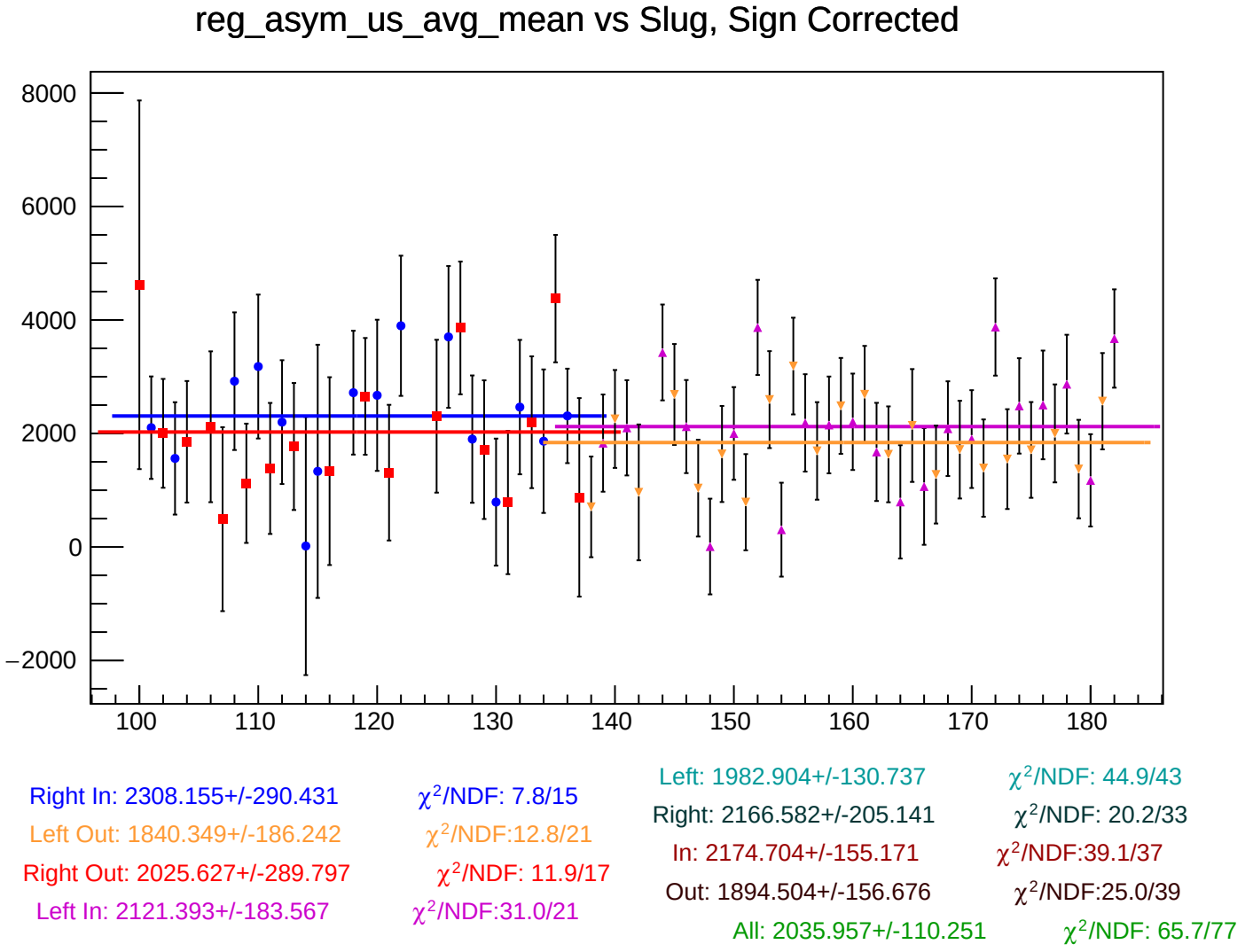
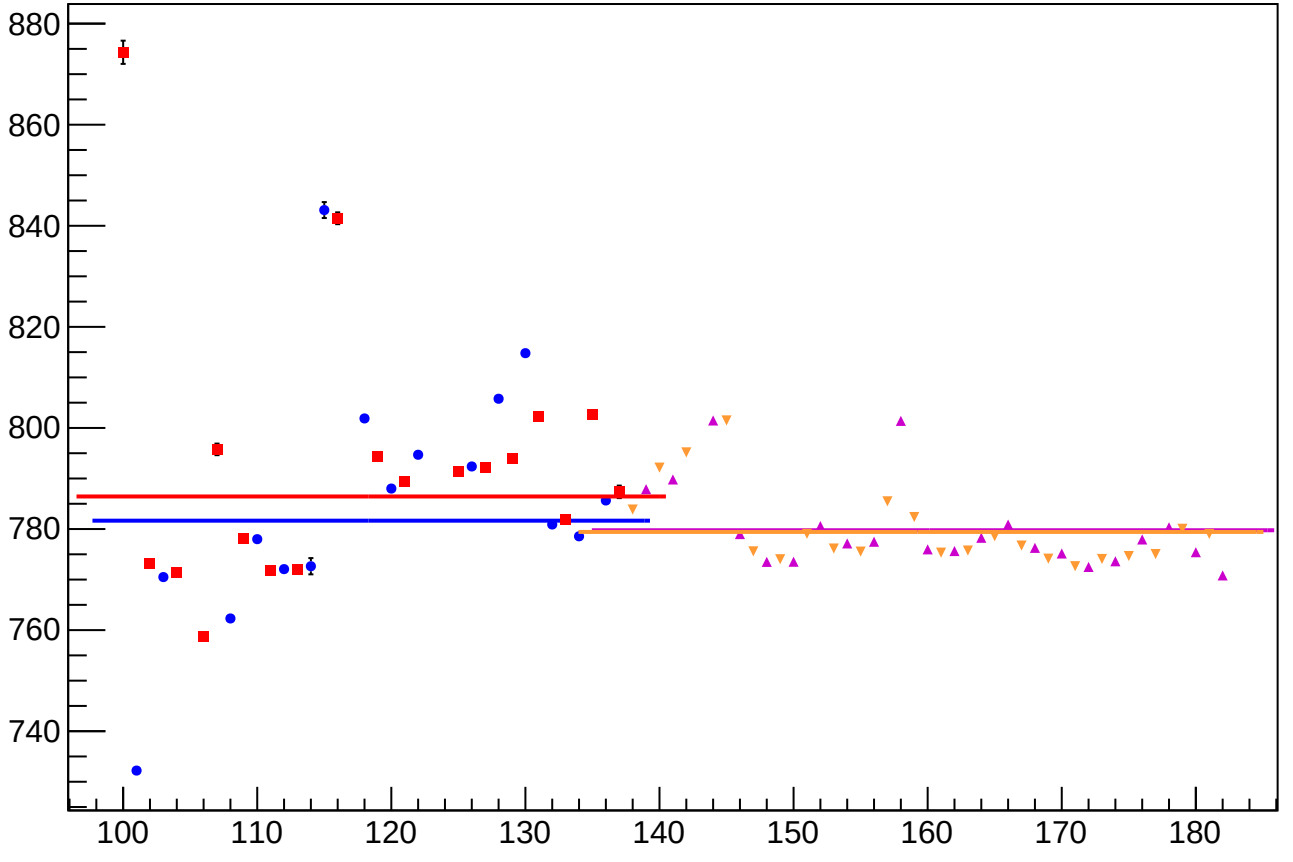

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1840.349+/-186.242
χ²/NDF:12.8/21
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 2121.393+/-183.567
χ²/NDF:31.0/21
Left: 1982.904+/-130.737
χ²/NDF: 44.9/43
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2174.704+/-155.171
χ²/NDF:39.1/37
Out: 1894.504+/-156.676
χ²/NDF:25.0/39
All: 2035.957+/-110.251
χ²/NDF: 65.7/77

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 779.425+/-0.132 χ^2/NDF:2875.7/21

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

Left In: 779.759+/-0.130 χ^2/NDF:4051.7/21

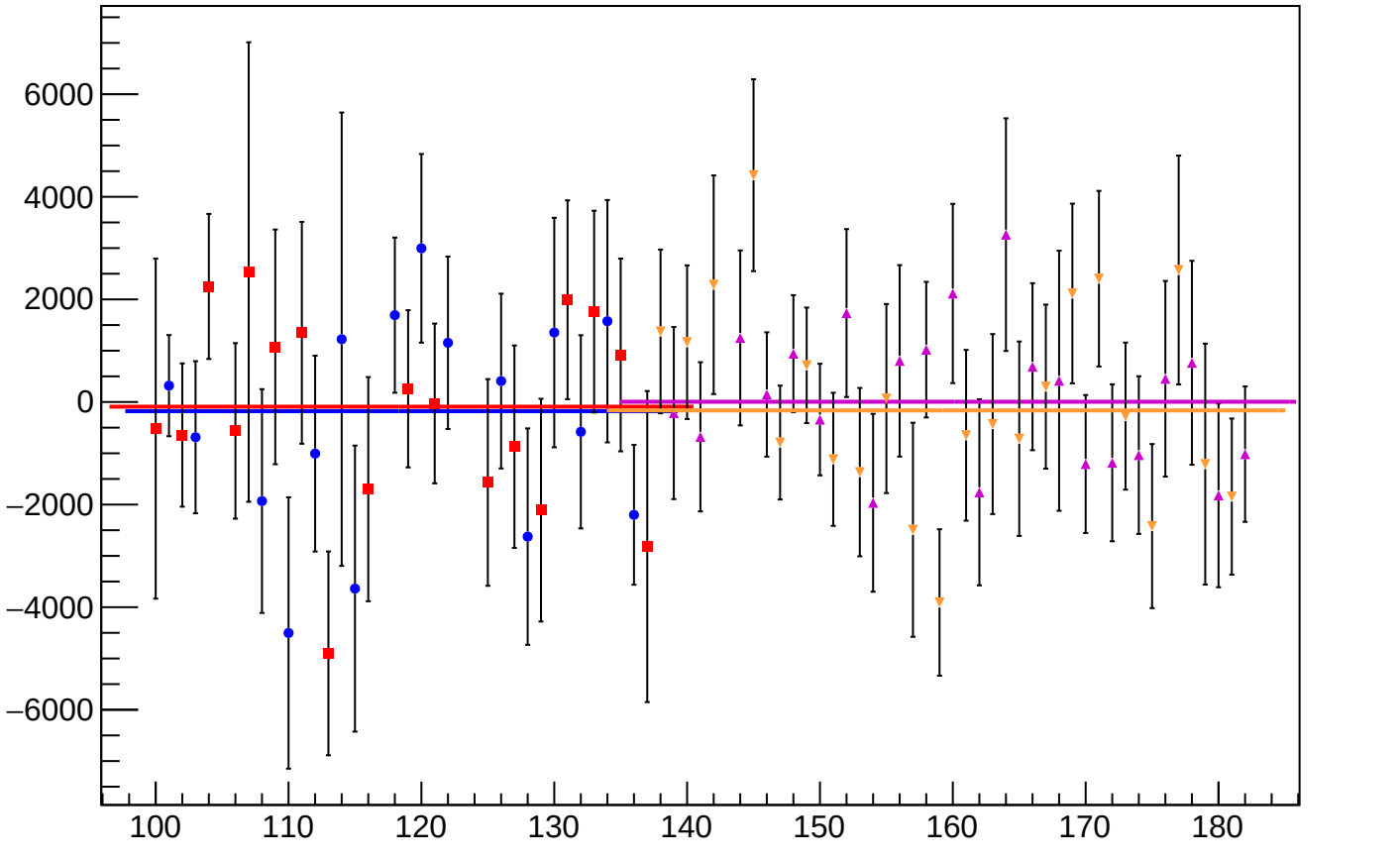
Left: 779.595+/-0.092 χ^2/NDF: 6930.6/43

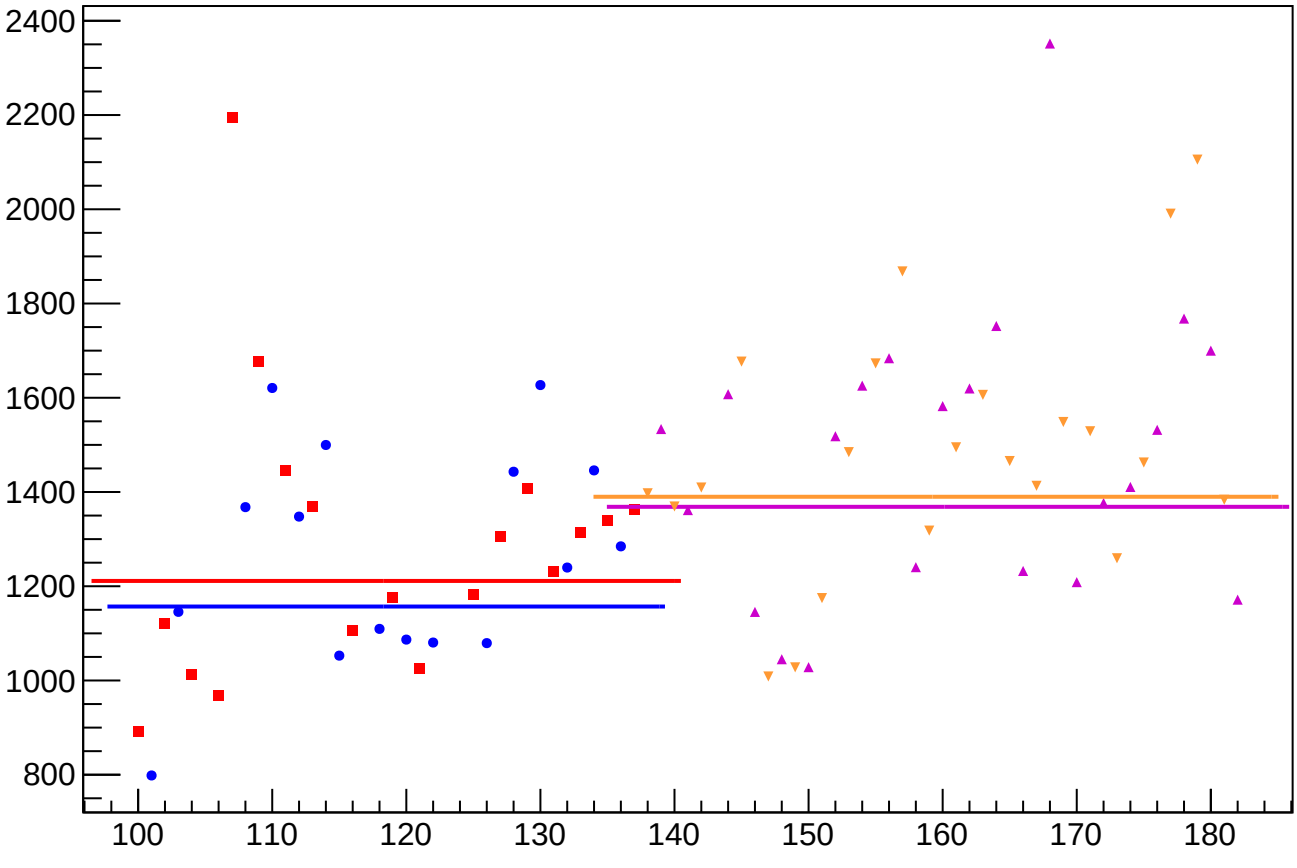
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 780.300+/-0.110 χ^2/NDF:16431.5/37

Out: 781.477+/-0.111 χ^2/NDF:10907.3/39

All: 780.883+/-0.078 χ^2/NDF: 27395.8/77


asym_us_avg_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -164.003+/-340.199 χ²/NDF:28.3/21
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 4.582+/-329.531 χ²/NDF:13.1/21
Left: -77.026+/-236.695 χ²/NDF: 41.6/43
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: -61.572+/-263.926 χ²/NDF:28.6/37
Out: -137.915+/-272.420 χ²/NDF:43.5/39
All: -98.535+/-189.556 χ²/NDF: 72.2/77



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

Left Out: 1389.895+/-0.241 χ^2/NDF:1132703.3/21

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

Left In: 1368.559+/-0.233 χ^2/NDF:1298201.6/21

Left: 1378.887+/-0.167 χ^2/NDF: 2434963.7/43

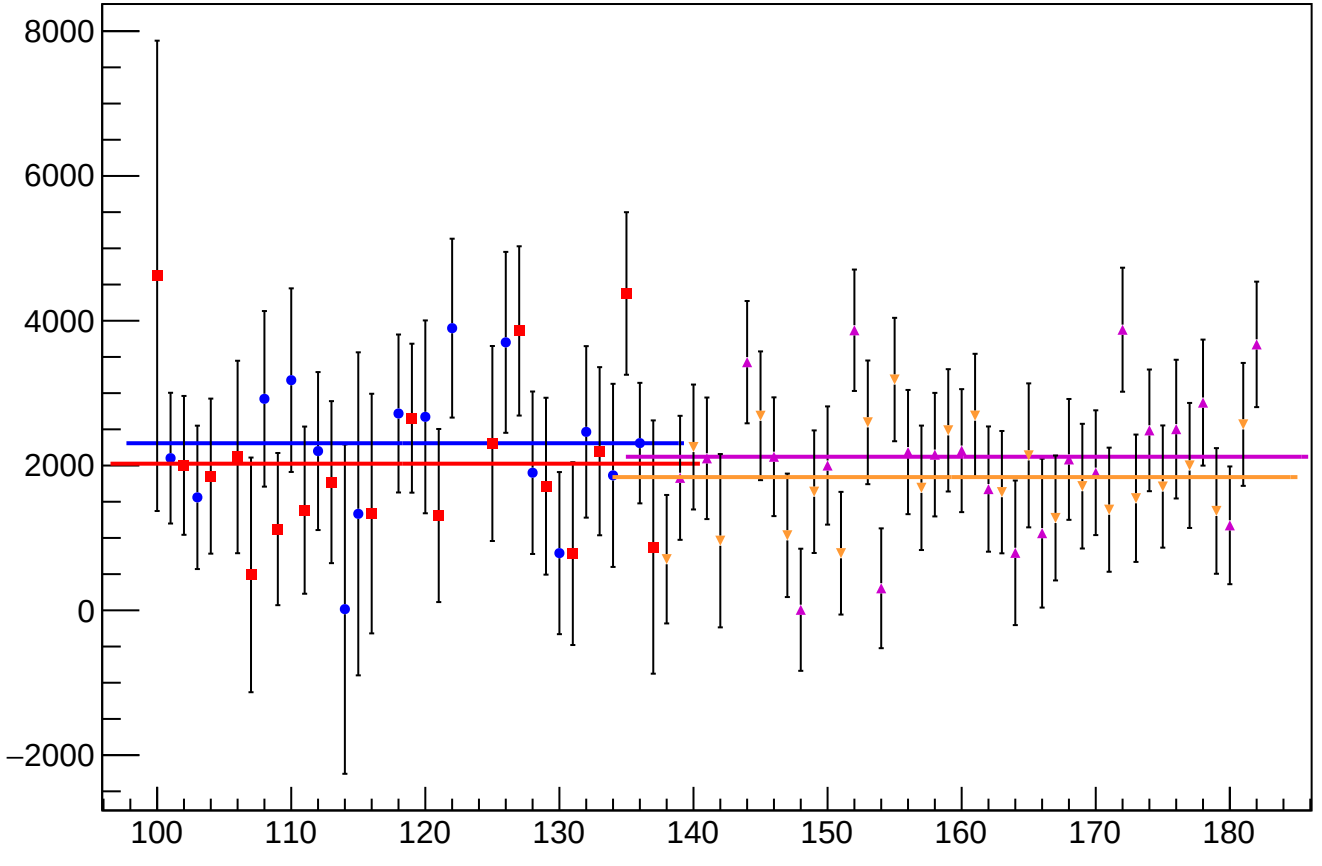
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1292.688+/-0.187 χ^2/NDF:2163018.8/37

Out: 1325.807+/-0.193 χ^2/NDF:1728249.7/39

All: 1308.723+/-0.134 χ^2/NDF: 3906517.0/77

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1840.349+/-186.242 χ^2/NDF:12.8/21

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

Left In: 2121.393+/-183.567 χ^2/NDF:31.0/21

Left: 1982.904+/-130.737 χ^2/NDF: 44.9/43

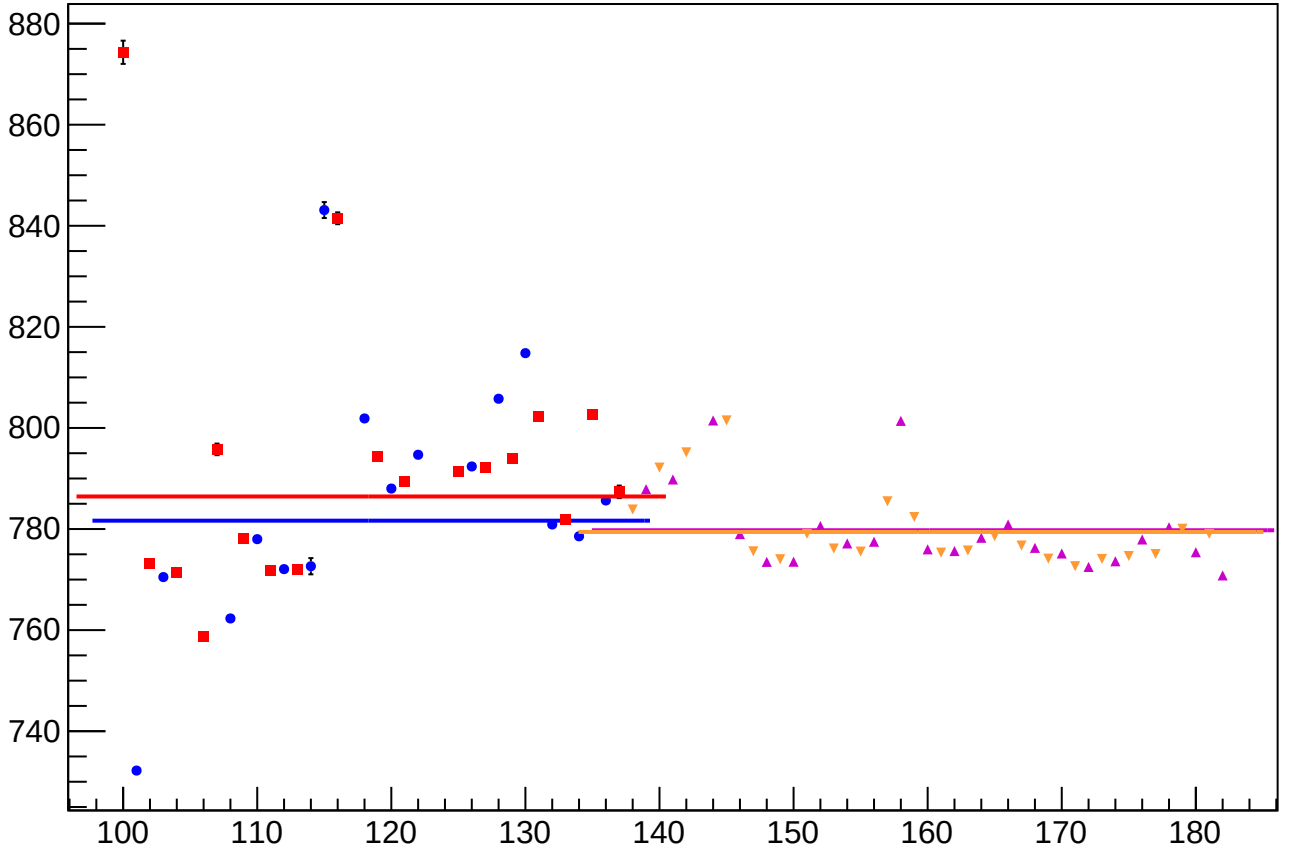
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2174.704+/-155.171 χ^2/NDF:39.1/37

Out: 1894.504+/-156.676 χ^2/NDF:25.0/39

All: 2035.957+/-110.251 χ^2/NDF: 65.7/77

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 779.425+/-0.132 χ^2/NDF:2875.7/21

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

Left In: 779.759+/-0.130 χ^2/NDF:4051.7/21

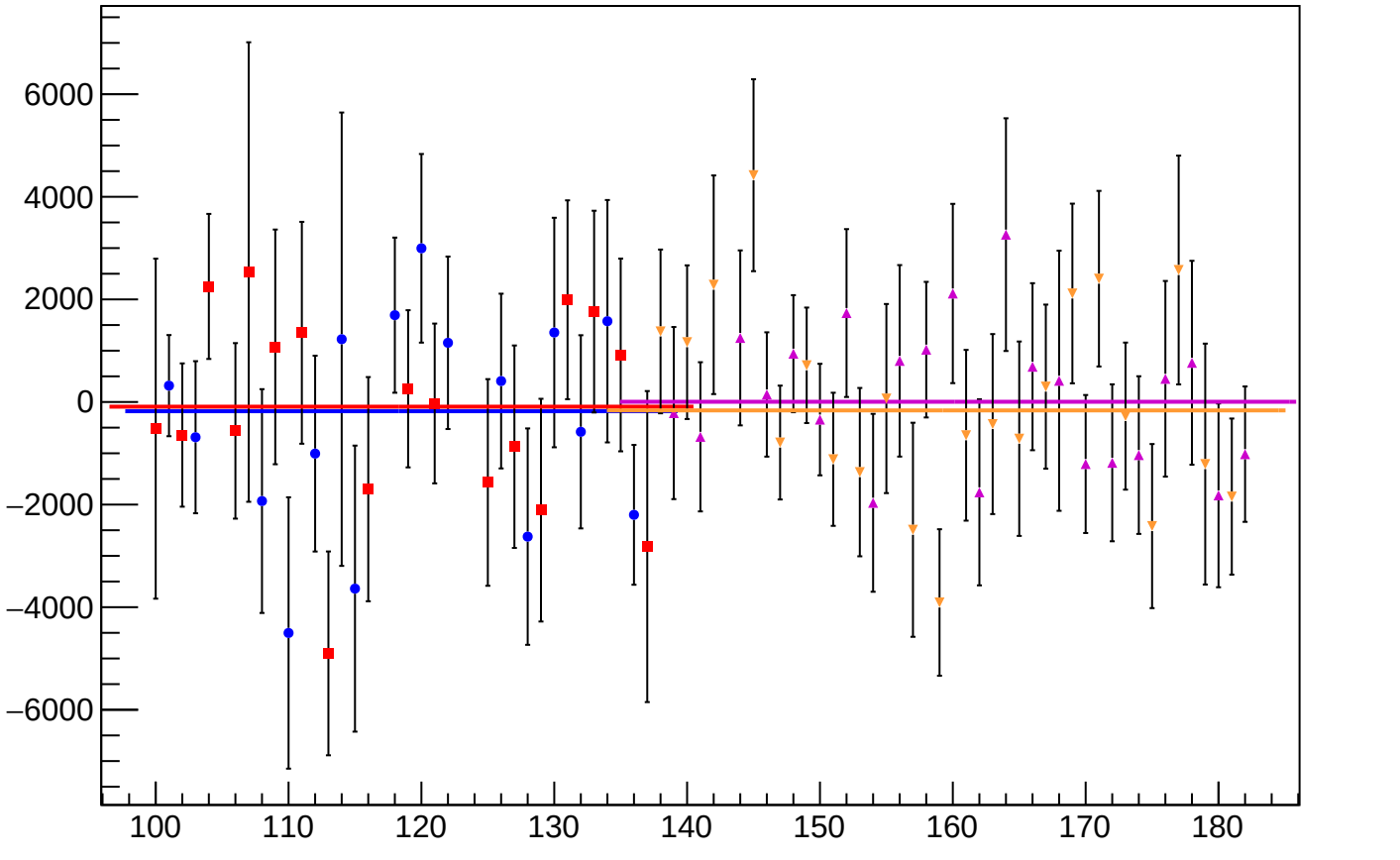
Left: 779.595+/-0.092 χ^2/NDF: 6930.6/43

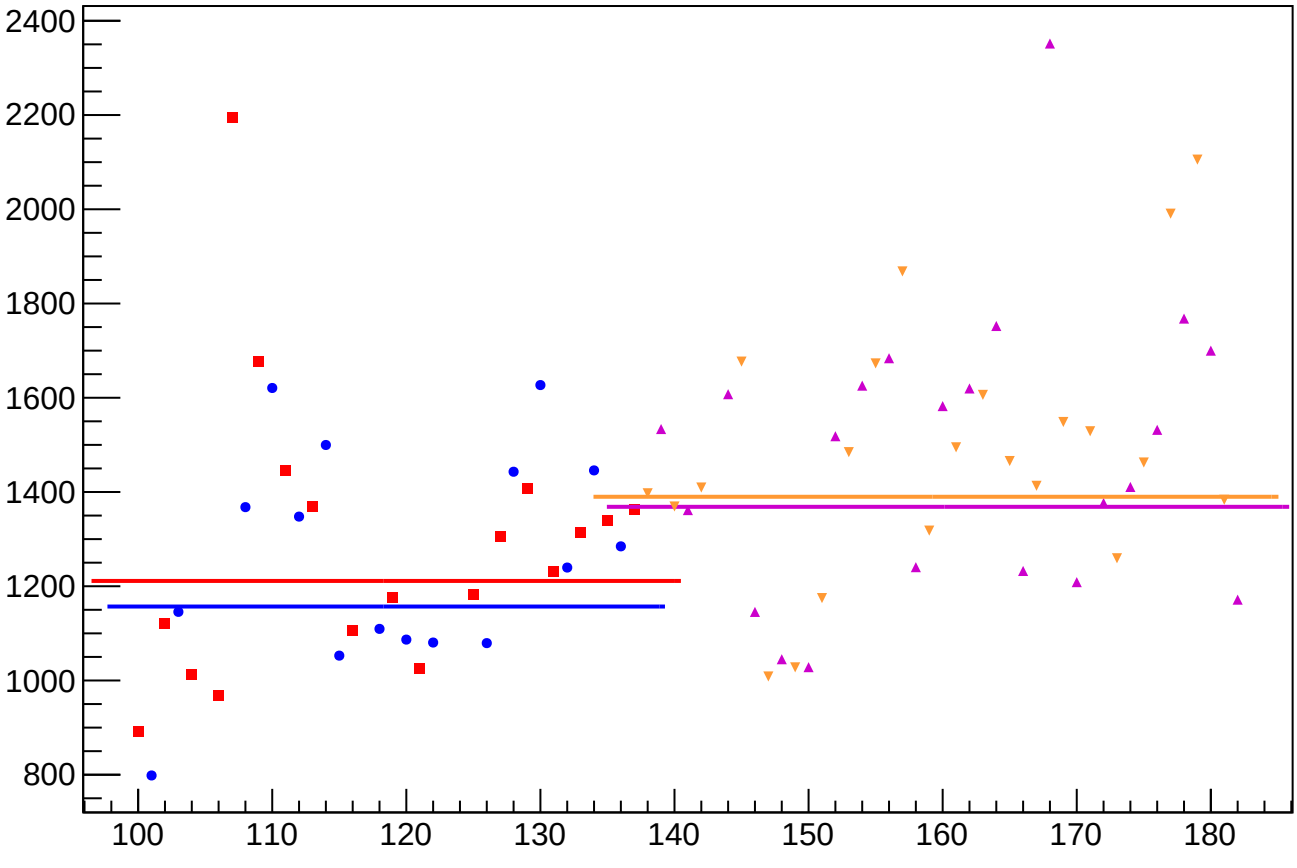
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 780.300+/-0.110 χ^2/NDF:16431.5/37

Out: 781.477+/-0.111 χ^2/NDF:10907.3/39

All: 780.883+/-0.078 χ^2/NDF: 27395.8/77


asym_us_avg_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -164.003+/-340.199 χ²/NDF:28.3/21
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 4.582+/-329.531 χ²/NDF:13.1/21
Left: -77.026+/-236.695 χ²/NDF: 41.6/43
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: -61.572+/-263.926 χ²/NDF:28.6/37
Out: -137.915+/-272.420 χ²/NDF:43.5/39
All: -98.535+/-189.556 χ²/NDF: 72.2/77



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

Left Out: 1389.895+/-0.241 χ^2/NDF:1132703.3/21

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

Left In: 1368.559+/-0.233 χ^2/NDF:1298201.6/21

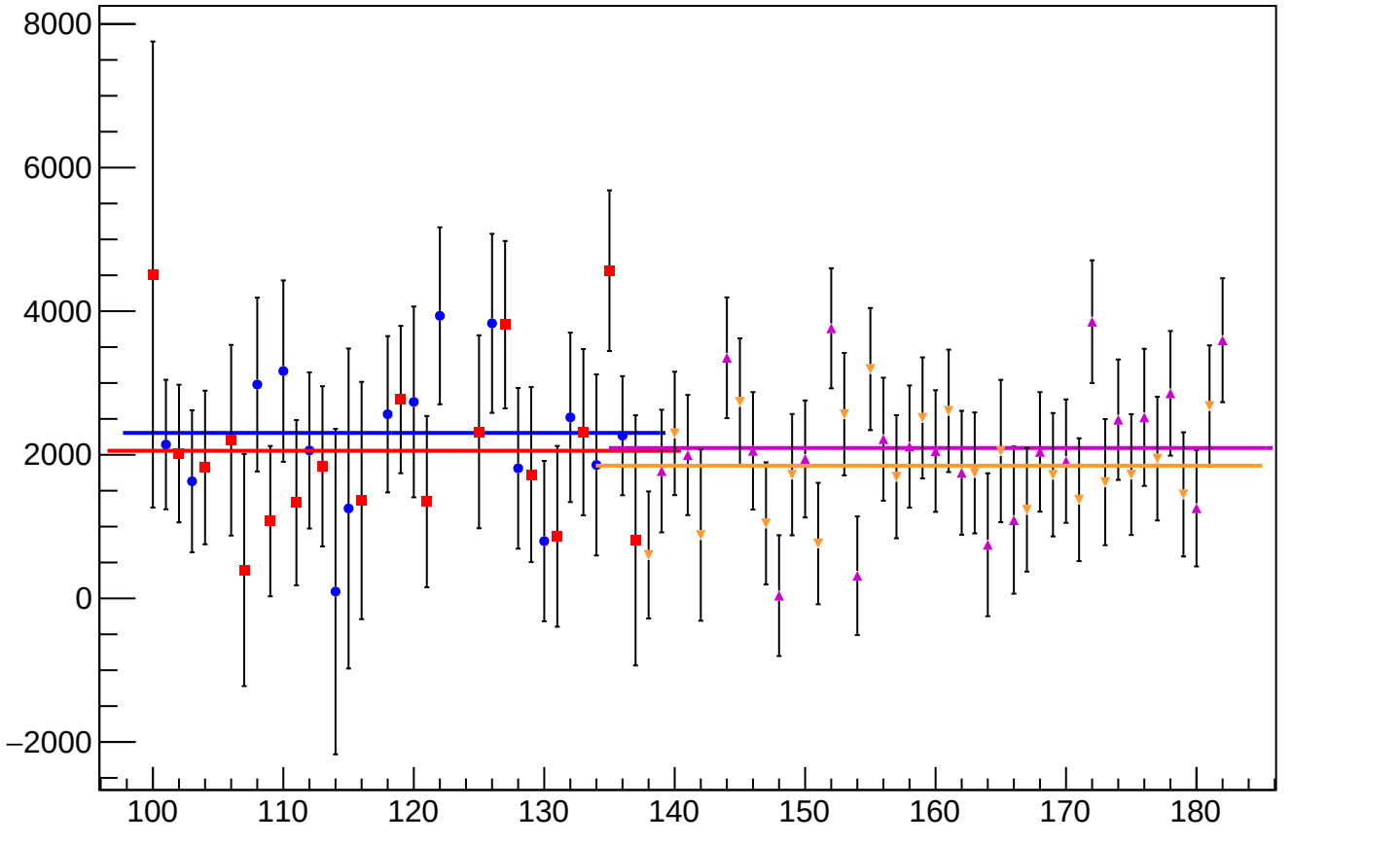
Left: 1378.887+/-0.167 χ^2/NDF: 2434963.7/43

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

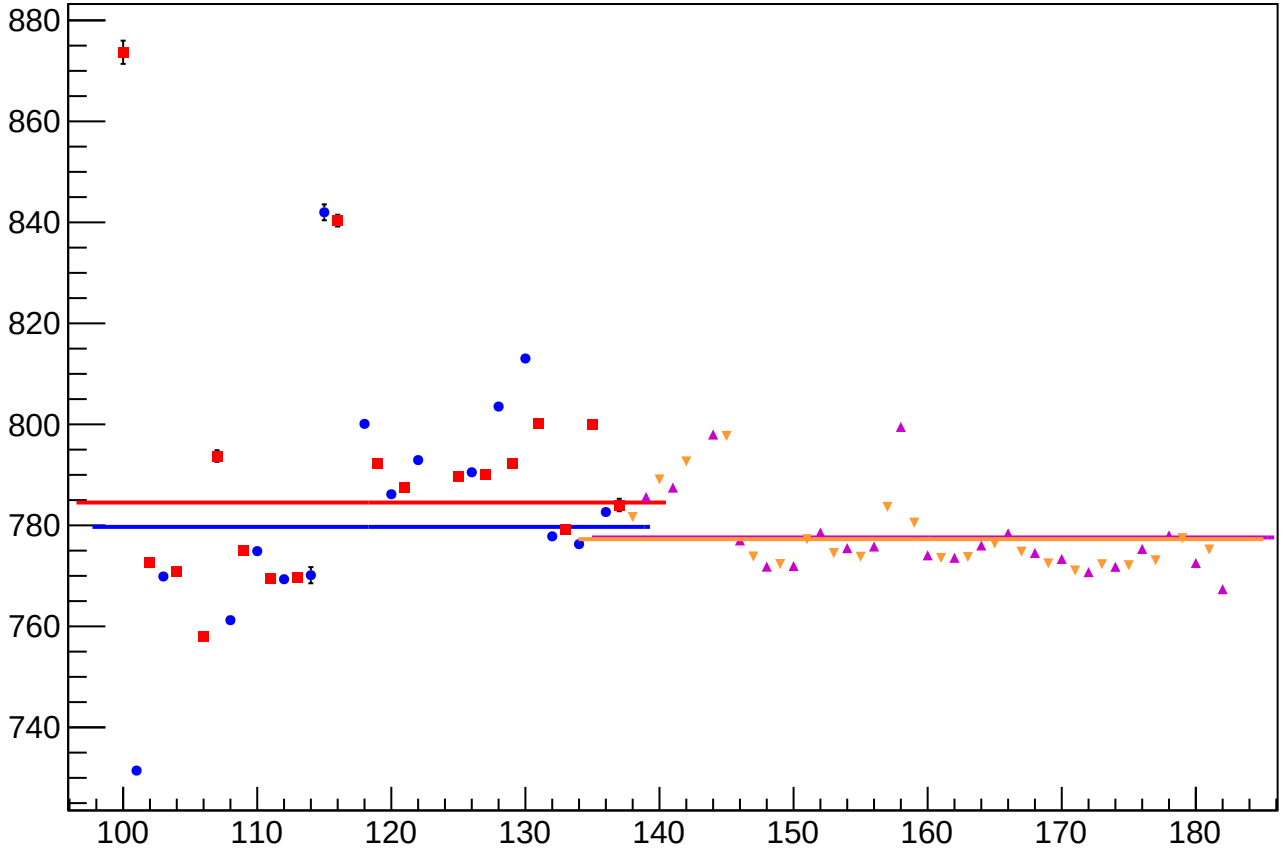
In: 1292.688+/-0.187 χ^2/NDF:2163018.8/37

Out: 1325.807+/-0.193 χ^2/NDF:1728249.7/39

All: 1308.723+/-0.134 χ^2/NDF: 3906517.0/77


overload_cor_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: 2304.852+/-289.704 χ²/NDF: 8.1/15
Left Out: 1848.667+/-185.725 χ²/NDF:13.3/21
Right Out: 2055.666+/-289.090 χ²/NDF: 12.9/17
Left In: 2094.659+/-183.060 χ²/NDF:29.6/21
Left: 1973.441+/-130.375 χ²/NDF: 43.8/43
Right: 2179.995+/-204.634 χ²/NDF: 21.3/33
In: 2154.637+/-154.753 χ²/NDF:38.0/37
Out: 1909.143+/-156.257 χ²/NDF:26.6/39
All: 2033.077+/-109.955 χ²/NDF: 65.8/77

overload_cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 777.269+/-0.131 χ^2/NDF:2582.1/21

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

Left In: 777.608+/-0.129 χ^2/NDF:3925.7/21

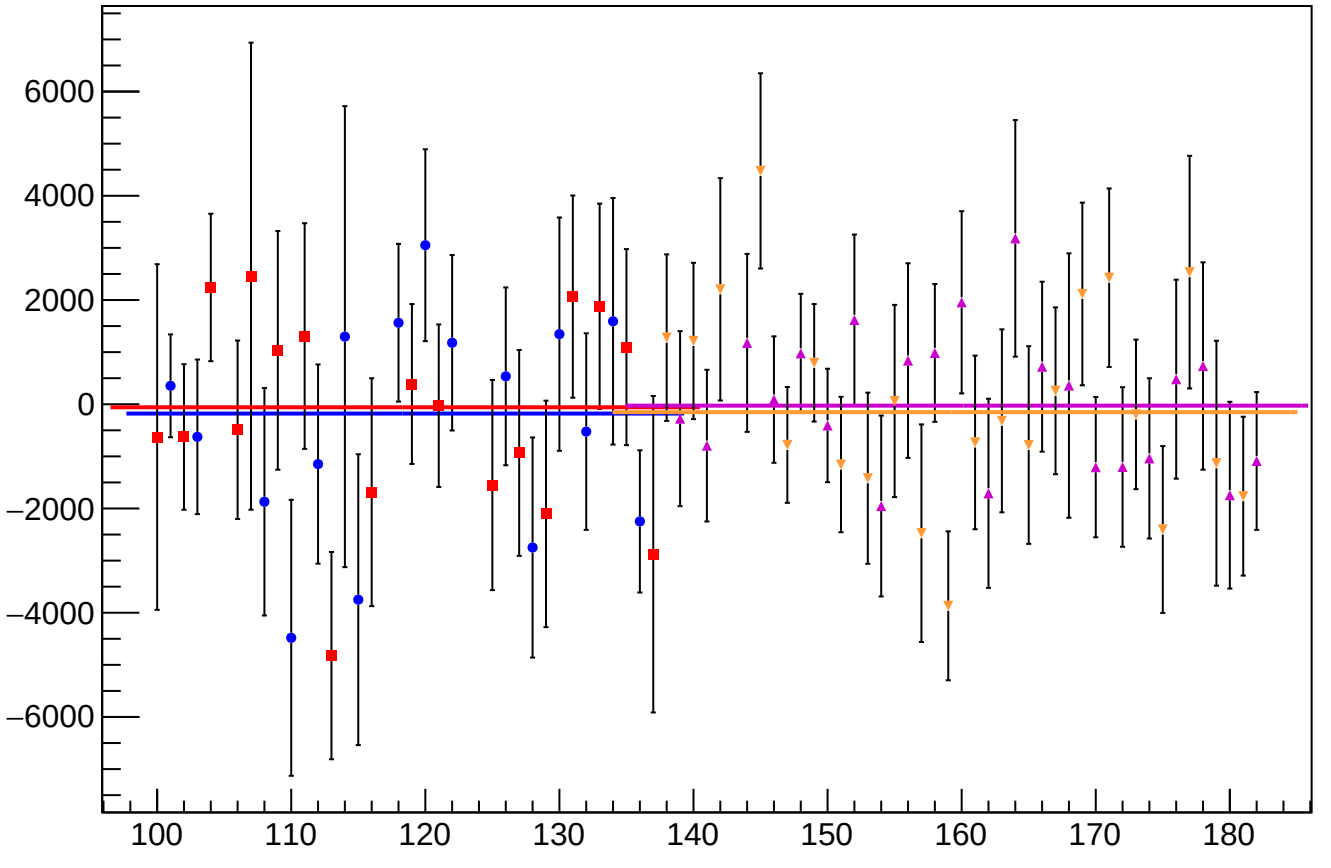
Left: 777.441+/-0.092 χ^2/NDF: 6511.2/43

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

In: 778.206+/-0.109 χ^2/NDF:16060.6/37

Out: 779.389+/-0.110 χ^2/NDF:10633.9/39

All: 778.792+/-0.078 χ^2/NDF: 26752.3/77



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

Left Out: -152.247+/-340.518 χ^2/NDF:28.2/21

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

Left In: -26.672+/-329.846 χ^2/NDF:12.7/21

Left: -87.461+/-236.919 χ^2/NDF: 40.9/43

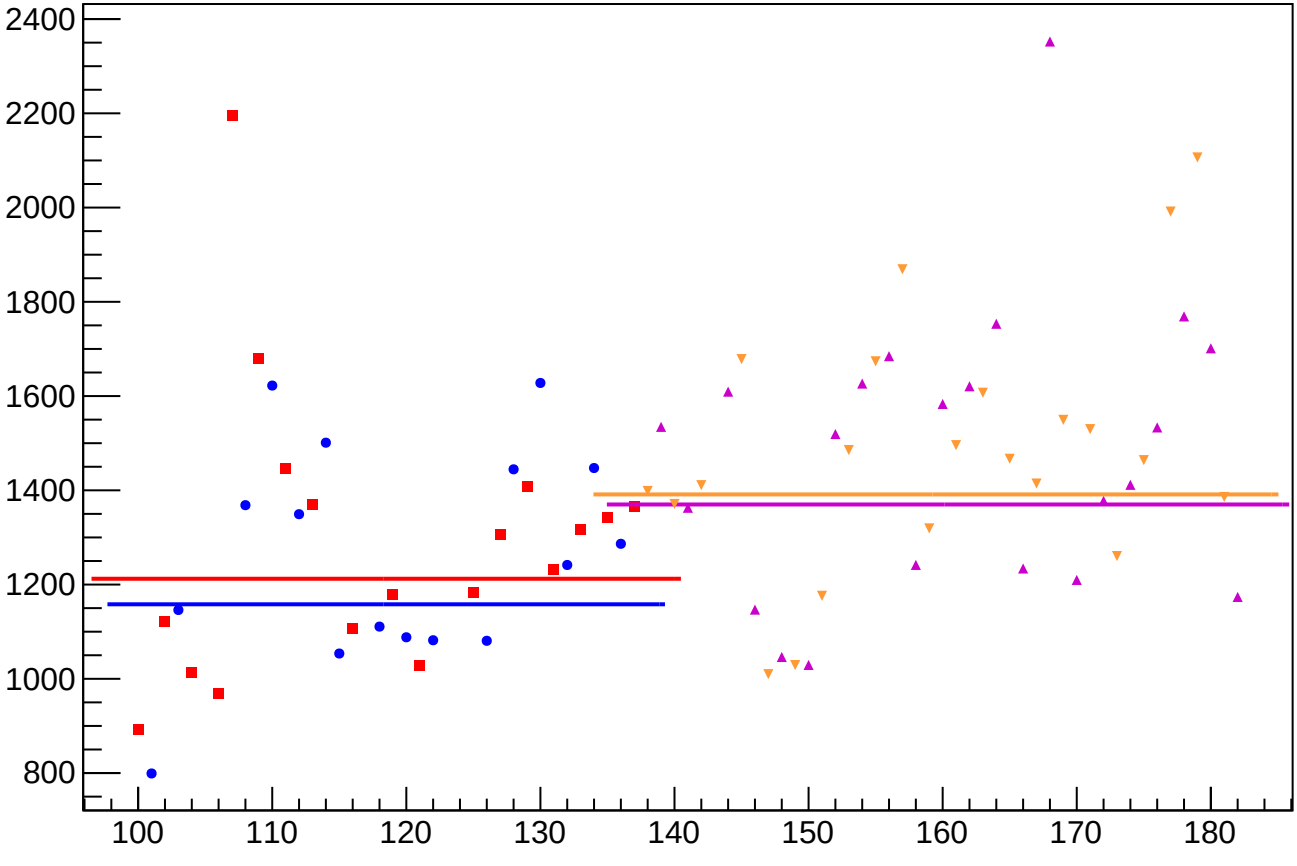
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: -81.089+/-264.183 χ^2/NDF:28.5/37

Out: -118.447+/-272.671 χ^2/NDF:43.5/39

All: -99.177+/-189.736 χ^2/NDF: 71.9/77

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1391.286+/-0.241 χ^2/NDF:1129838.2/21

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

Left In: 1369.944+/-0.233 χ^2/NDF:1294868.6/21

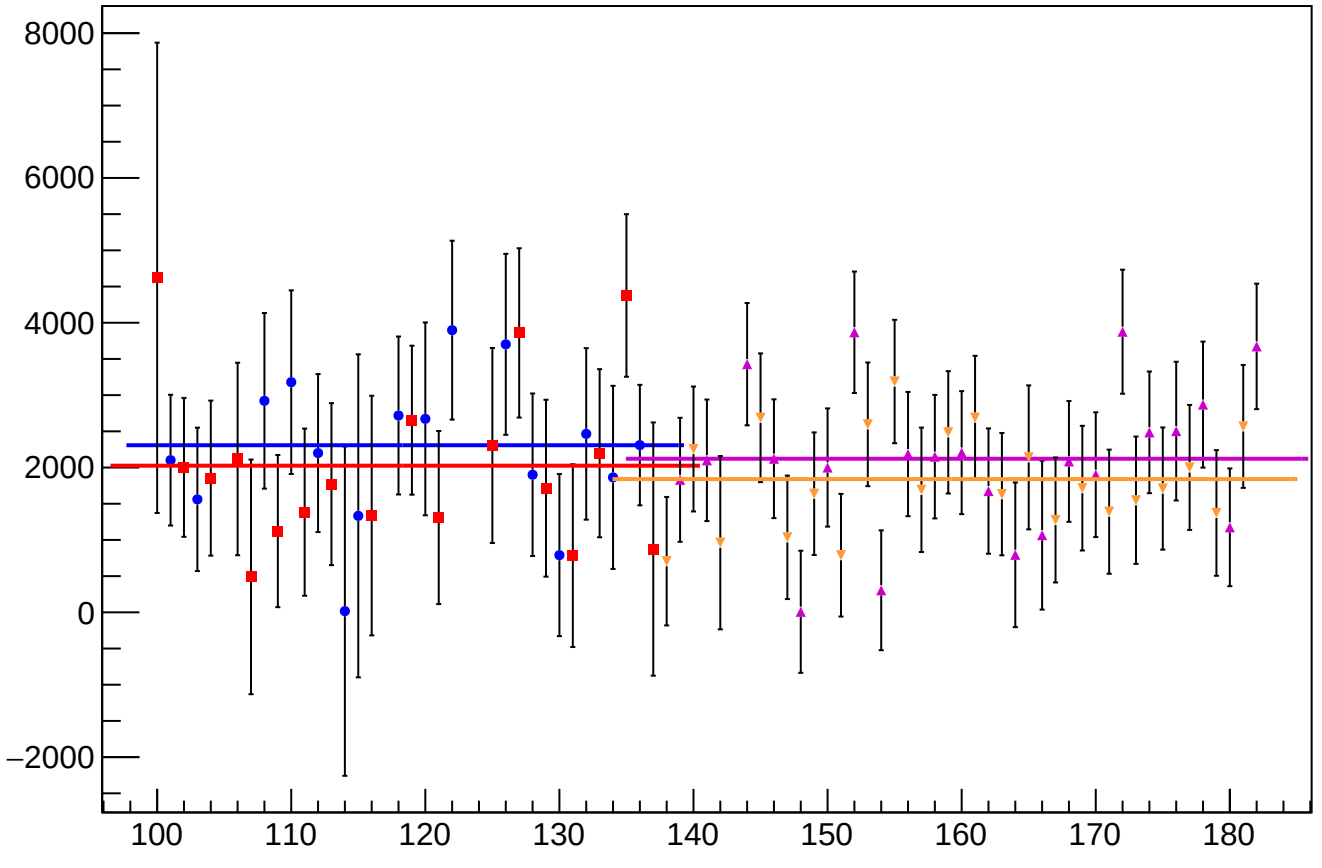
Left: 1380.275+/-0.168 χ^2/NDF: 2428759.8/43

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

In: 1294.007+/-0.187 χ^2/NDF:2159683.9/37

Out: 1327.084+/-0.193 χ^2/NDF:1725930.8/39

All: 1310.023+/-0.134 χ^2/NDF: 3900794.7/77



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

Left Out: 1840.349+/-186.242 χ^2/NDF:12.8/21

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

Left In: 2121.393+/-183.567 χ^2/NDF:31.0/21

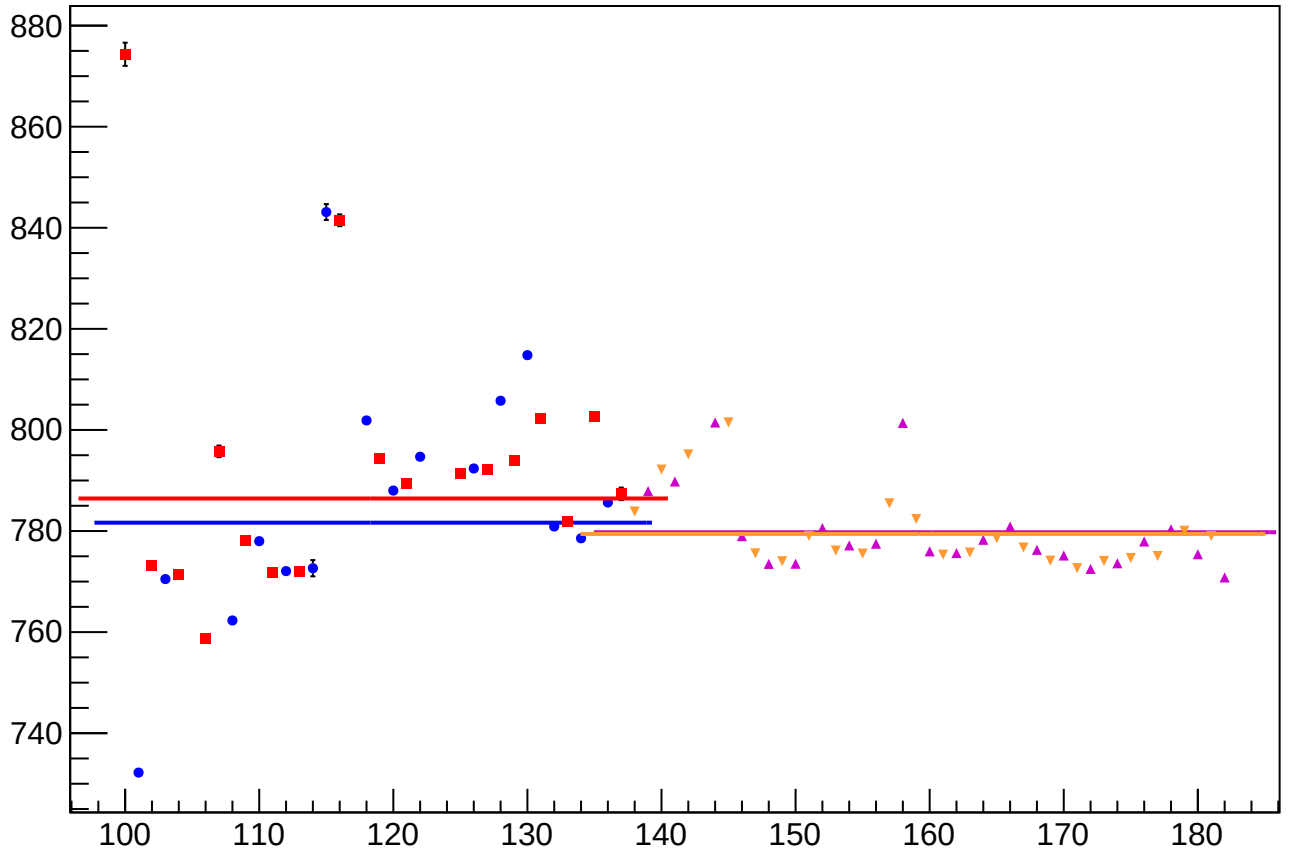
Left: 1982.904+/-130.737 χ^2/NDF: 44.9/43

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

In: 2174.704+/-155.171 χ^2/NDF:39.1/37

Out: 1894.504+/-156.676 χ^2/NDF:25.0/39

All: 2035.957+/-110.251 χ^2/NDF: 65.7/77



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

Left Out: 779.425+/-0.132 χ^2/NDF:2875.7/21

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

Left In: 779.759+/-0.130 χ^2/NDF:4051.7/21

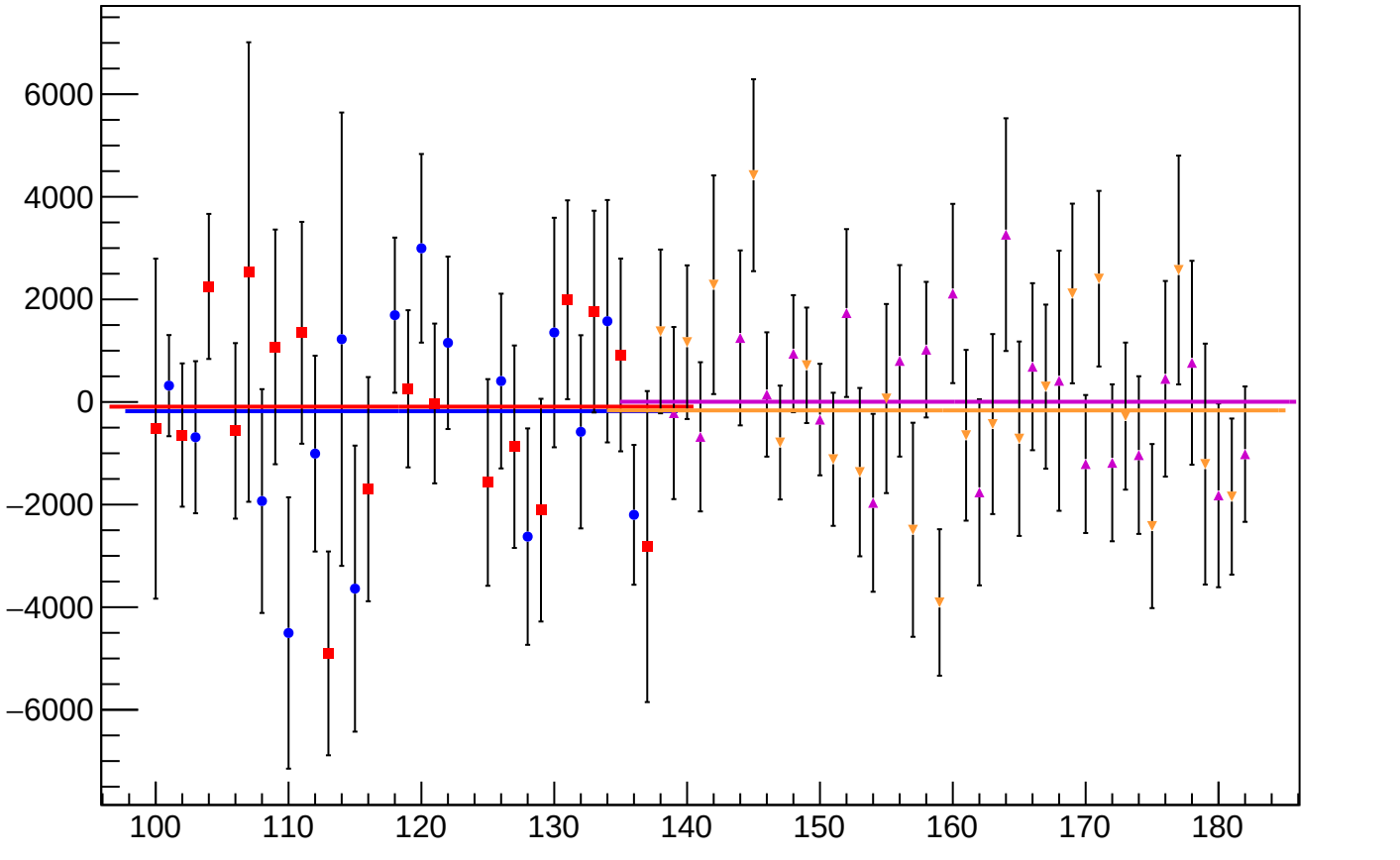
Left: 779.595+/-0.092 χ^2/NDF: 6930.6/43

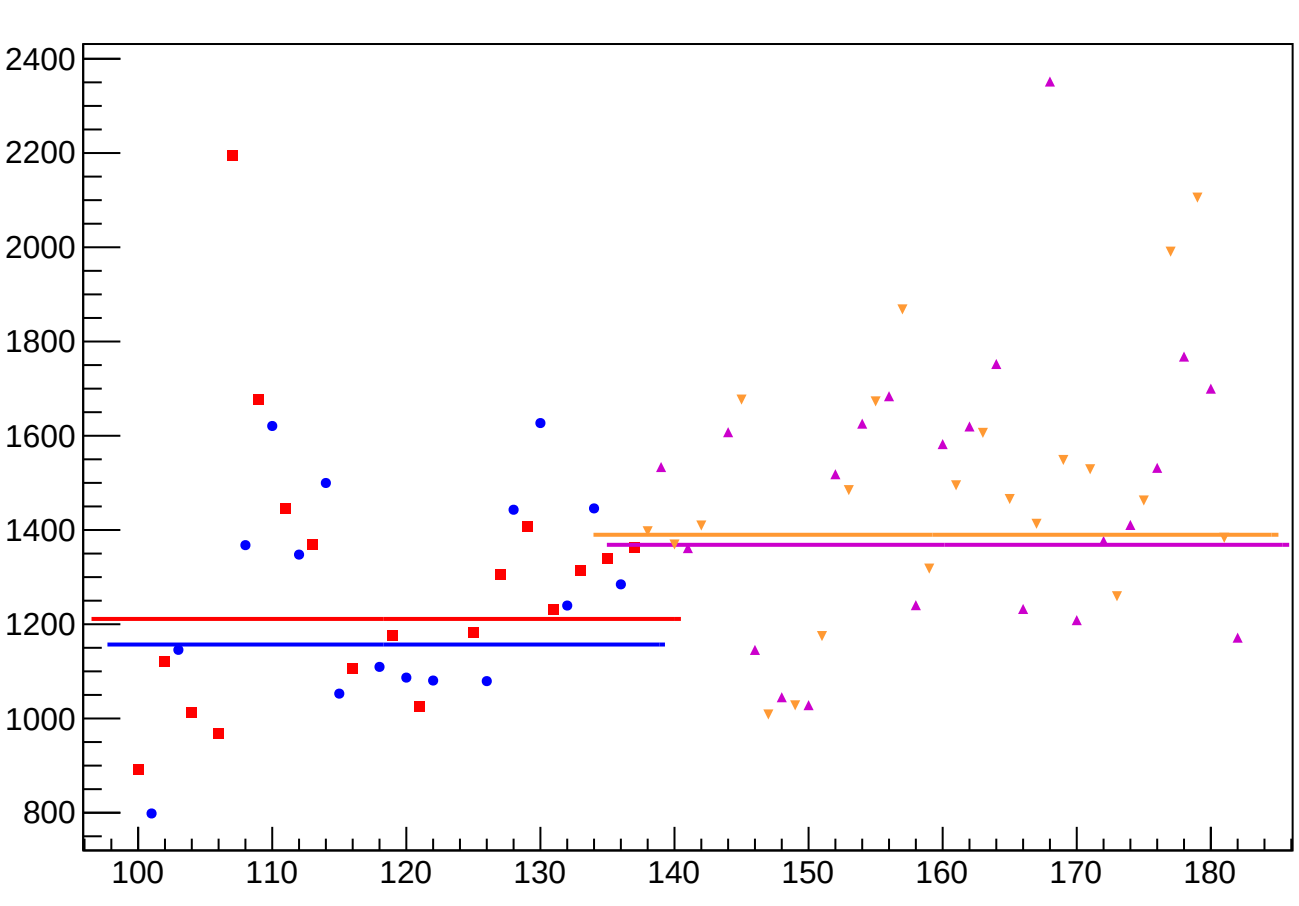
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 780.300+/-0.110 χ^2/NDF:16431.5/37

Out: 781.477+/-0.111 χ^2/NDF:10907.3/39

All: 780.883+/-0.078 χ^2/NDF: 27395.8/77


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
170
180
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -164.003+/-340.199 χ²/NDF:28.3/21
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 4.582+/-329.531 χ²/NDF:13.1/21
Left: -77.026+/-236.695 χ²/NDF: 41.6/43
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: -61.572+/-263.926 χ²/NDF:28.6/37
Out: -137.915+/-272.420 χ²/NDF:43.5/39
All: -98.535+/-189.556 χ²/NDF: 72.2/77



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

Left Out: 1389.895+/-0.241 χ^2/NDF:1132703.3/21

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

Left In: 1368.559+/-0.233 χ^2/NDF:1298201.6/21

Left: 1378.887+/-0.167 χ^2/NDF: 2434963.7/43

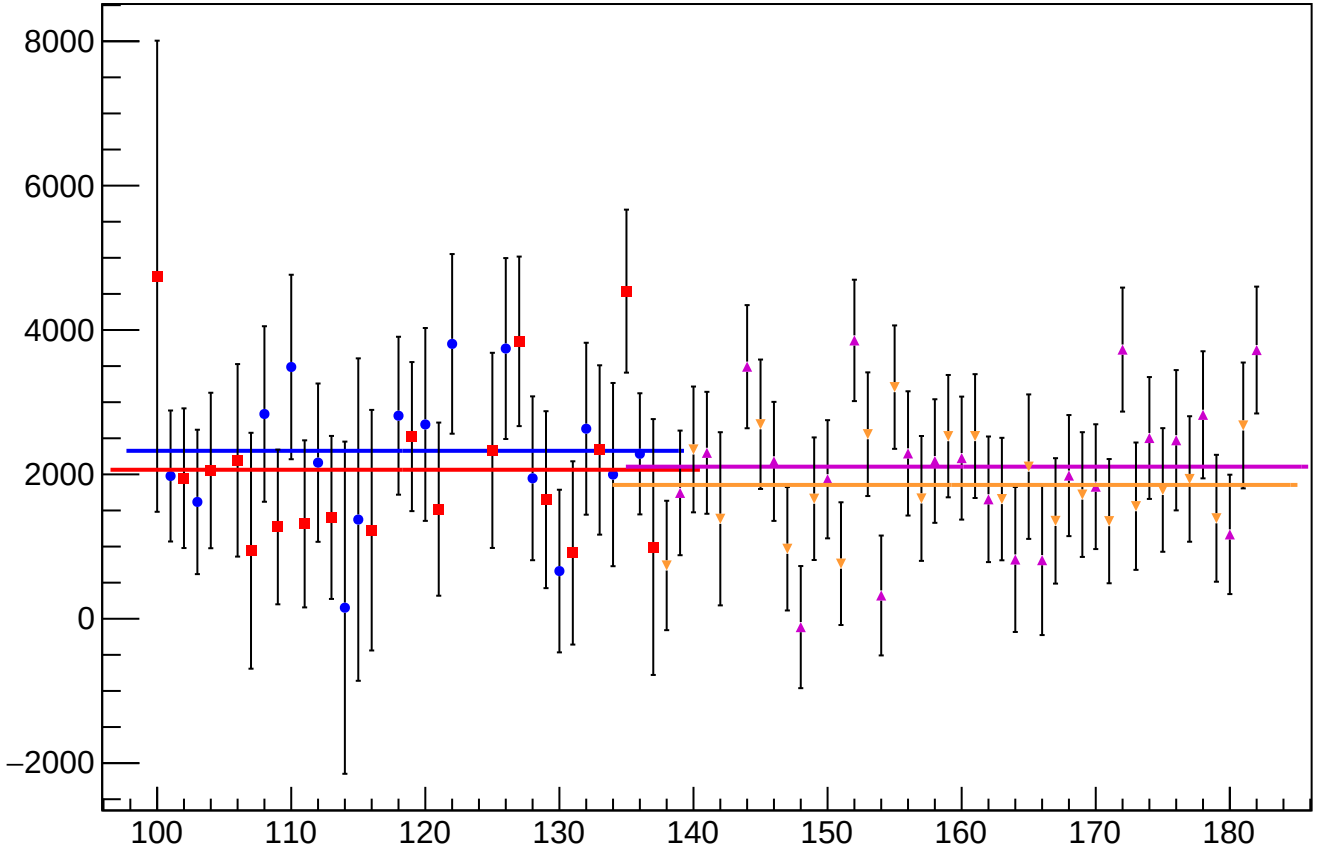
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1292.688+/-0.187 χ^2/NDF:2163018.8/37

Out: 1325.807+/-0.193 χ^2/NDF:1728249.7/39

All: 1308.723+/-0.134 χ^2/NDF: 3906517.0/77

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1853.957+/-187.493 χ^2/NDF:12.3/21

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

Left In: 2106.771+/-184.726 χ^2/NDF:31.7/21

Left: 1982.243+/-131.588 χ^2/NDF: 44.9/43

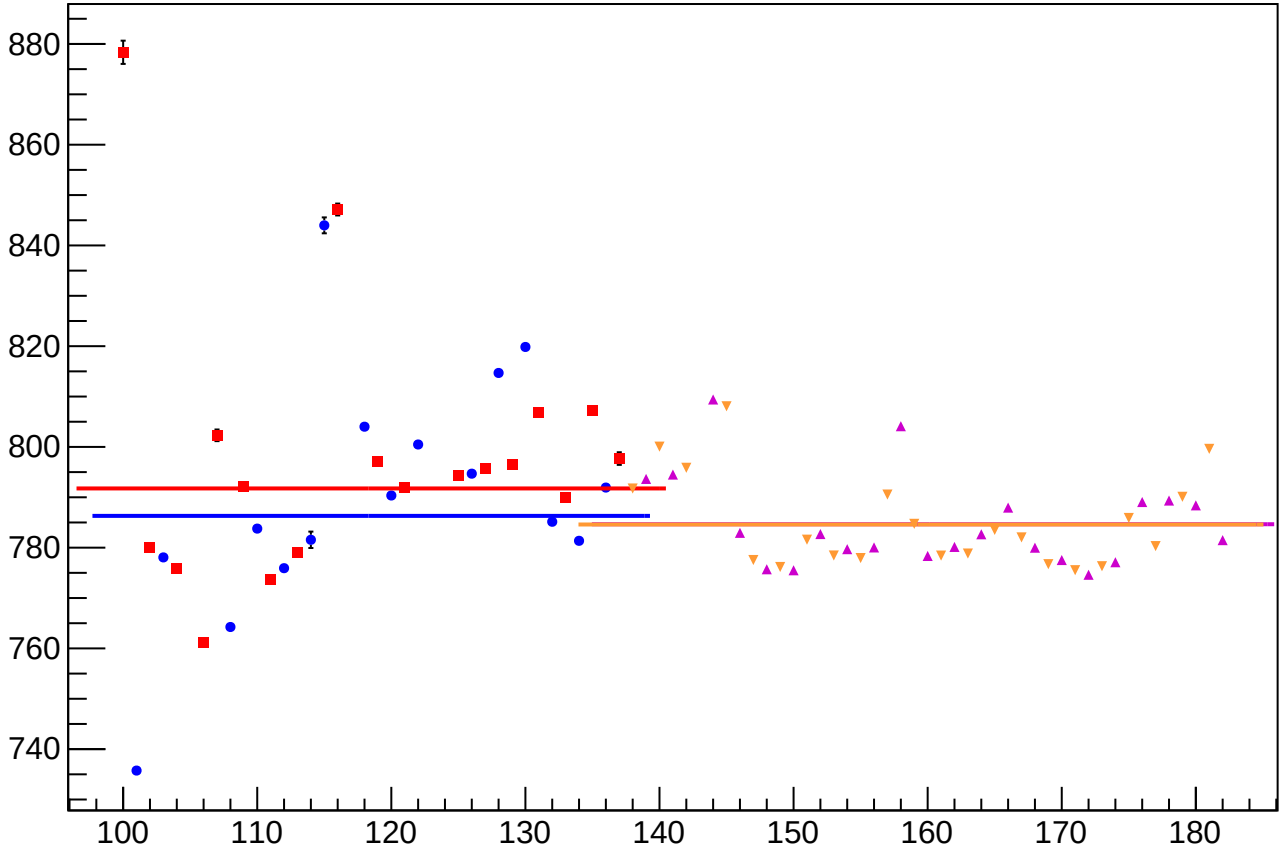
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2169.501+/-156.137 χ^2/NDF:40.3/37

Out: 1915.330+/-157.736 χ^2/NDF:24.3/39

All: 2043.710+/-110.967 χ^2/NDF: 65.8/77

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 784.599+/-0.133 χ^2/NDF:4487.0/21

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

Left In: 784.651+/-0.131 χ^2/NDF:4815.2/21

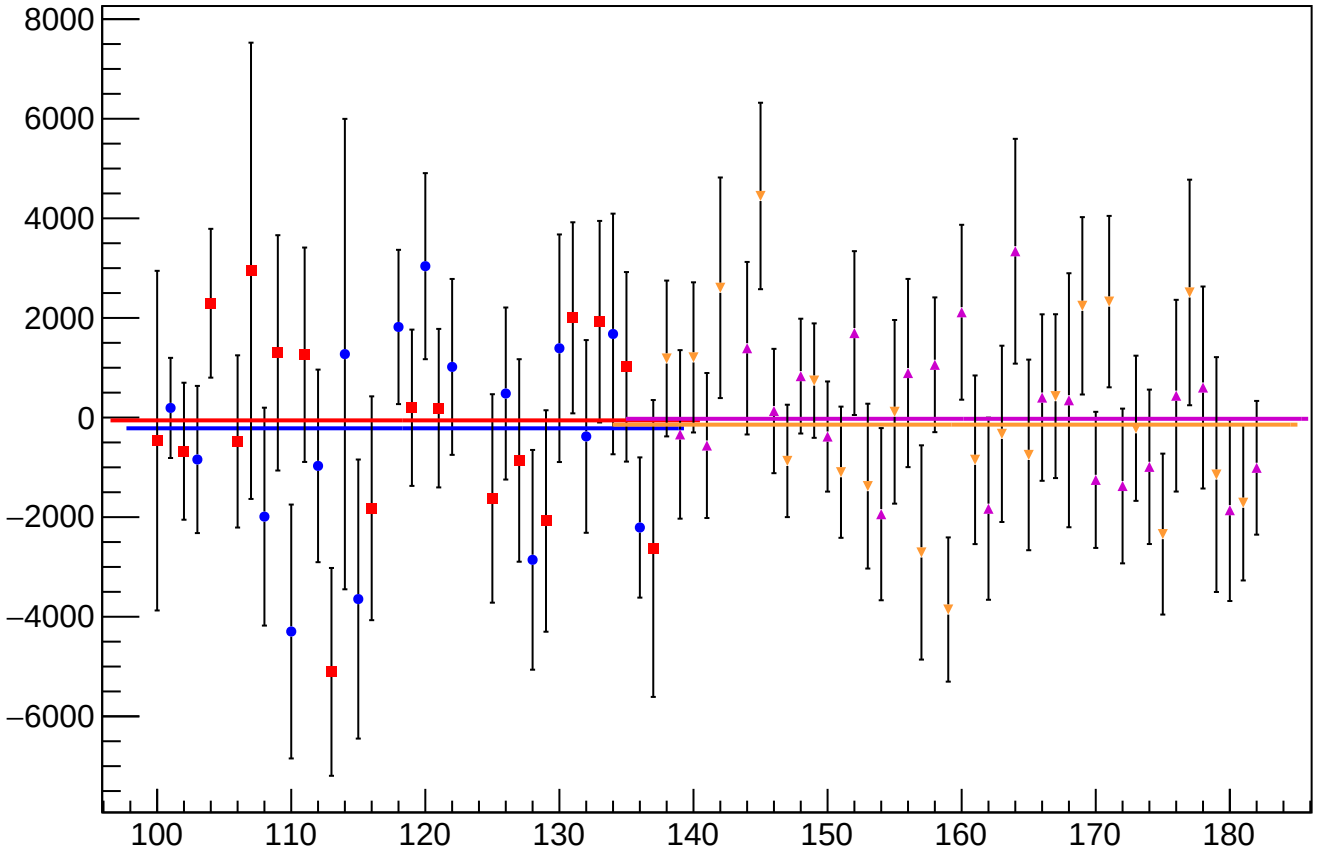
Left: 784.626+/-0.093 χ^2/NDF: 9302.3/43

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

In: 785.125+/-0.110 χ^2/NDF:17432.3/37

Out: 786.691+/-0.112 χ^2/NDF:12353.7/39

All: 785.900+/-0.078 χ^2/NDF: 29885.5/77



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

Left Out: -142.731+/-344.794 χ^2/NDF:27.9/21

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

Left In: -25.511+/-334.042 χ^2/NDF:13.1/21

Left: -82.265+/-239.914 χ^2/NDF: 41.1/43

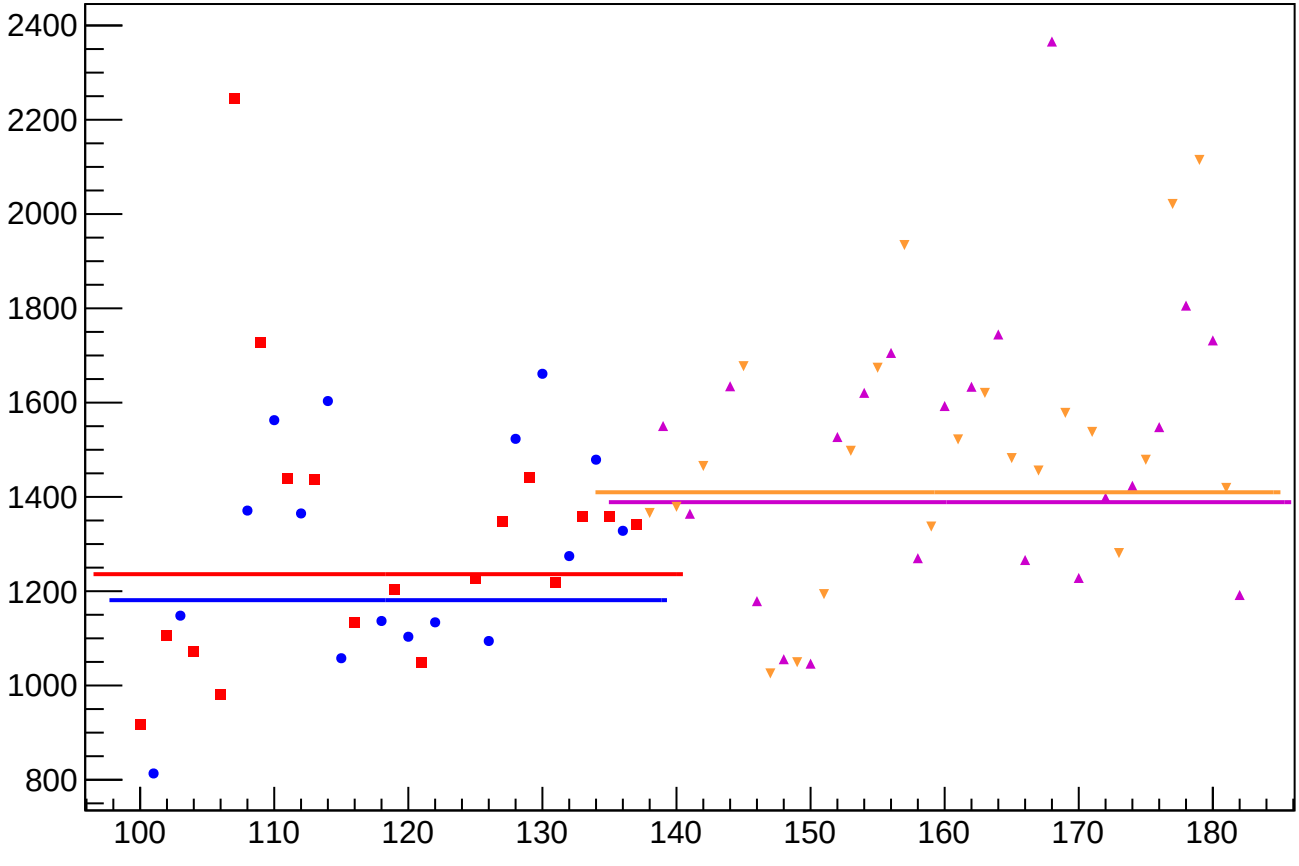
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: -93.341+/-268.122 χ^2/NDF:28.5/37

Out: -112.154+/-276.746 χ^2/NDF:43.0/39

All: -102.450+/-192.567 χ^2/NDF: 71.5/77

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1409.878+/-0.244 χ^2/NDF:1112117.5/21

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

Left In: 1388.869+/-0.236 χ^2/NDF:1253790.9/21

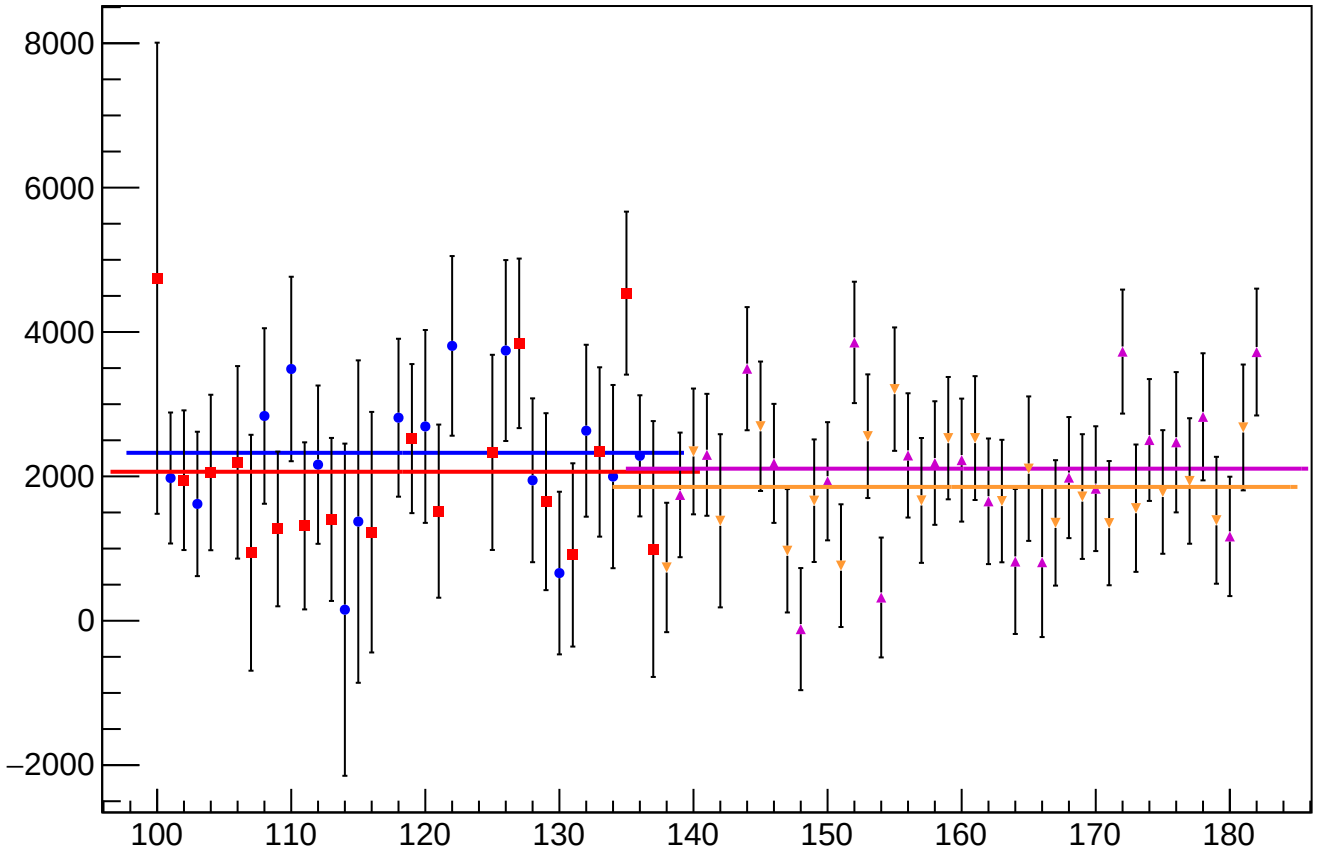
Left: 1399.041+/-0.170 χ^2/NDF: 2369738.6/43

Right: 1207.695+/-0.228 χ^2/NDF: 982917.9/33

In: 1314.921+/-0.190 χ^2/NDF:2100416.0/37

Out: 1348.065+/-0.196 χ^2/NDF:1690033.2/39

All: 1330.969+/-0.136 χ^2/NDF: 3805246.9/77



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

Left Out: 1853.954+/-187.493 χ^2/NDF:12.3/21

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

Left In: 2106.772+/-184.726 χ^2/NDF:31.7/21

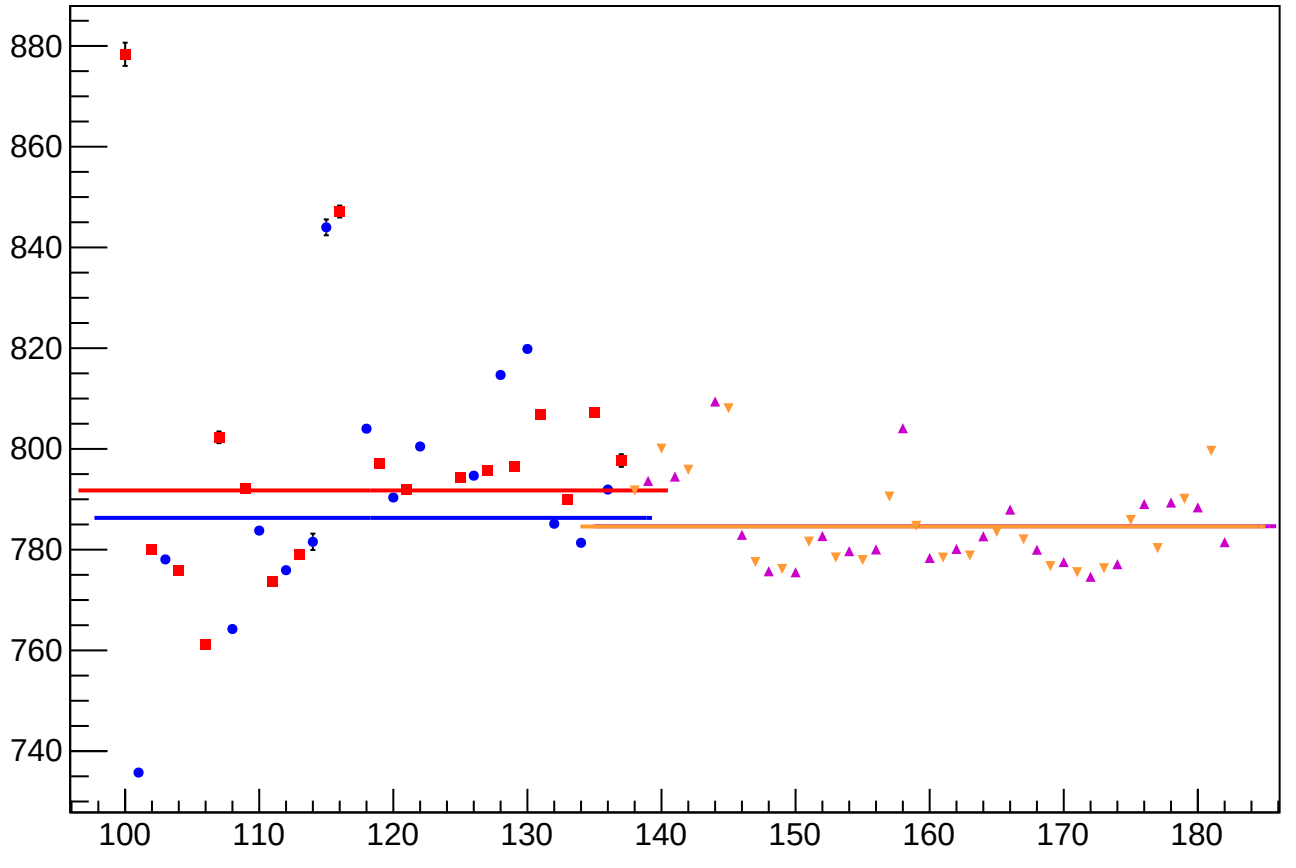
Left: 1982.242+/-131.588 χ^2/NDF: 44.9/43

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

In: 2169.501+/-156.137 χ^2/NDF:40.3/37

Out: 1915.328+/-157.736 χ^2/NDF:24.3/39

All: 2043.709+/-110.967 χ^2/NDF: 65.8/77



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

Left Out: 784.599+/-0.133 χ^2/NDF:4486.9/21

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

Left In: 784.651+/-0.131 χ^2/NDF:4815.2/21

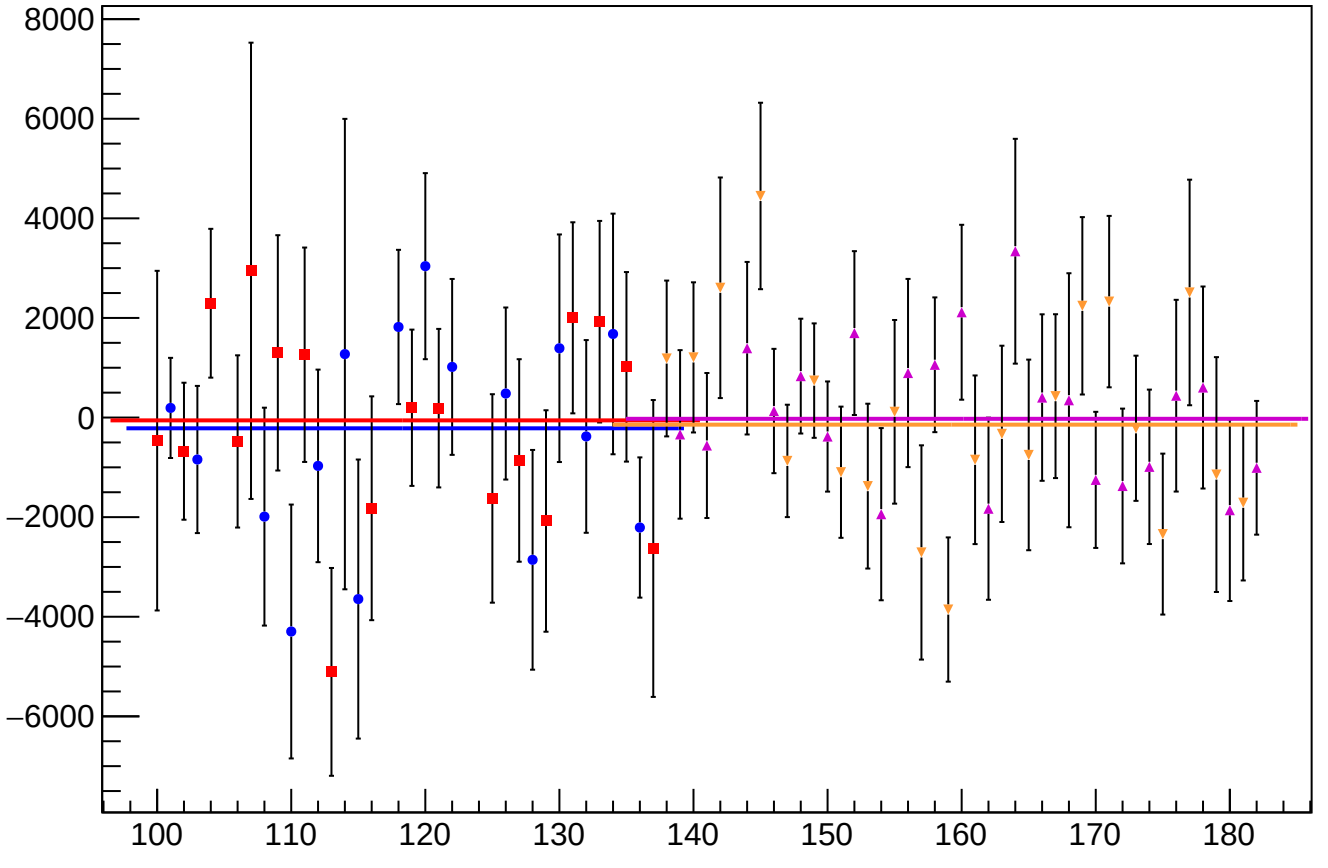
Left: 784.626+/-0.093 χ^2/NDF: 9302.2/43

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

In: 785.125+/-0.110 χ^2/NDF:17432.3/37

Out: 786.691+/-0.112 χ^2/NDF:12353.6/39

All: 785.900+/-0.078 χ^2/NDF: 29885.4/77



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

Left Out: -142.735+/-344.795 χ^2/NDF:27.9/21

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

Left In: -25.511+/-334.043 χ^2/NDF:13.1/21

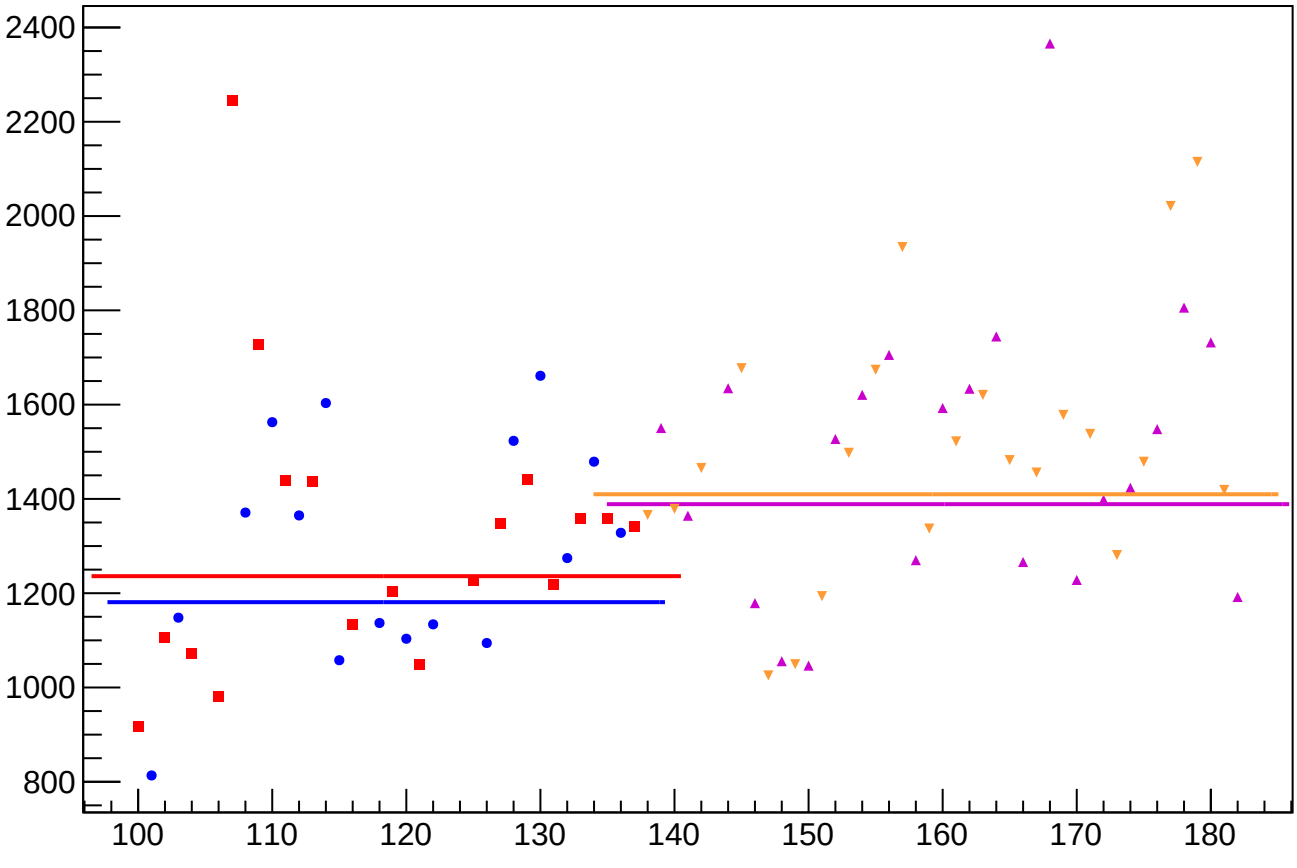
Left: -82.267+/-239.915 χ^2/NDF: 41.1/43

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

In: -93.341+/-268.122 χ^2/NDF:28.5/37

Out: -112.156+/-276.746 χ^2/NDF:43.0/39

All: -102.451+/-192.567 χ^2/NDF: 71.5/77



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

Left Out: 1409.880+/-0.244 χ^2/NDF:1112118.6/21

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

Left In: 1388.872+/-0.236 χ^2/NDF:1253791.5/21

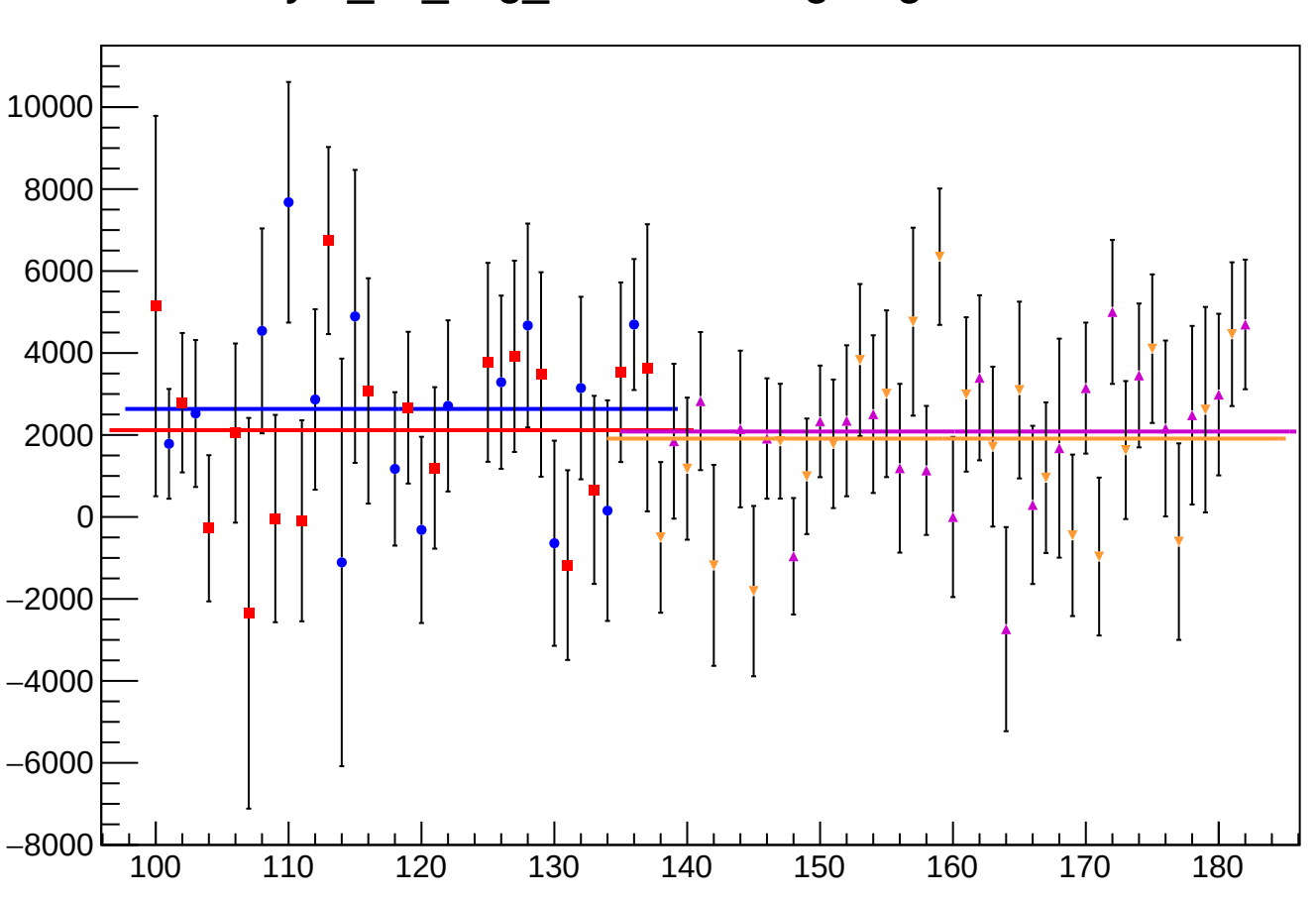
Left: 1399.043+/-0.170 χ^2/NDF: 2369740.3/43

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

In: 1314.921+/-0.190 χ^2/NDF:2100429.8/37

Out: 1348.066+/-0.196 χ^2/NDF:1690045.7/39

All: 1330.969+/-0.136 χ^2/NDF: 3805273.1/77



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

Left Out: 1911.947+/-394.427 χ^2/NDF:26.5/21

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

Left In: 2084.600+/-383.162 χ^2/NDF:18.4/21

Left: 2000.774+/-274.833 χ^2/NDF: 45.1/43

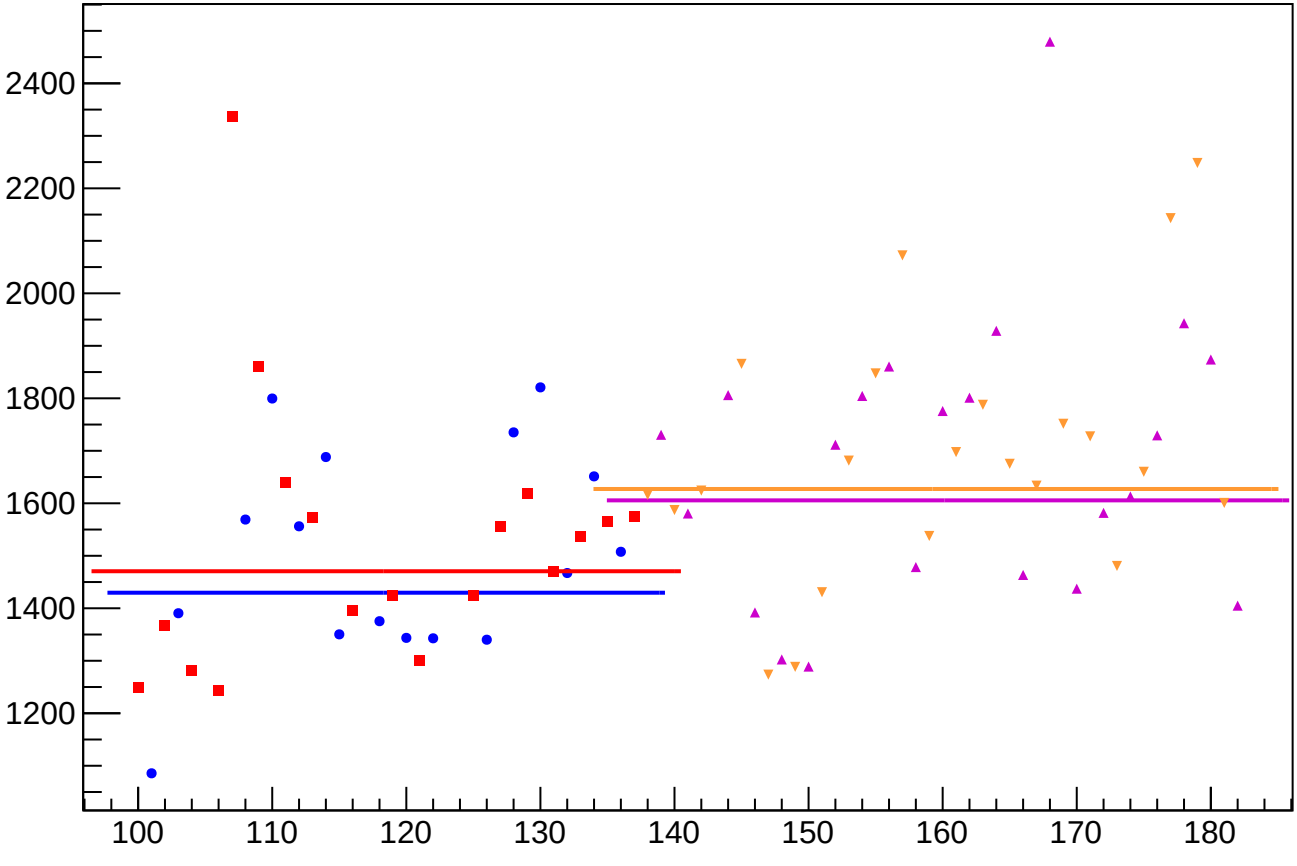
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2269.944+/-312.107 χ^2/NDF:31.4/37

Out: 1982.066+/-320.025 χ^2/NDF:40.3/39

All: 2129.610+/-223.440 χ^2/NDF: 72.1/77

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1627.251+/-0.279 χ^2/NDF:670613.9/21

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

Left In: 1605.577+/-0.271 χ^2/NDF:783094.0/21

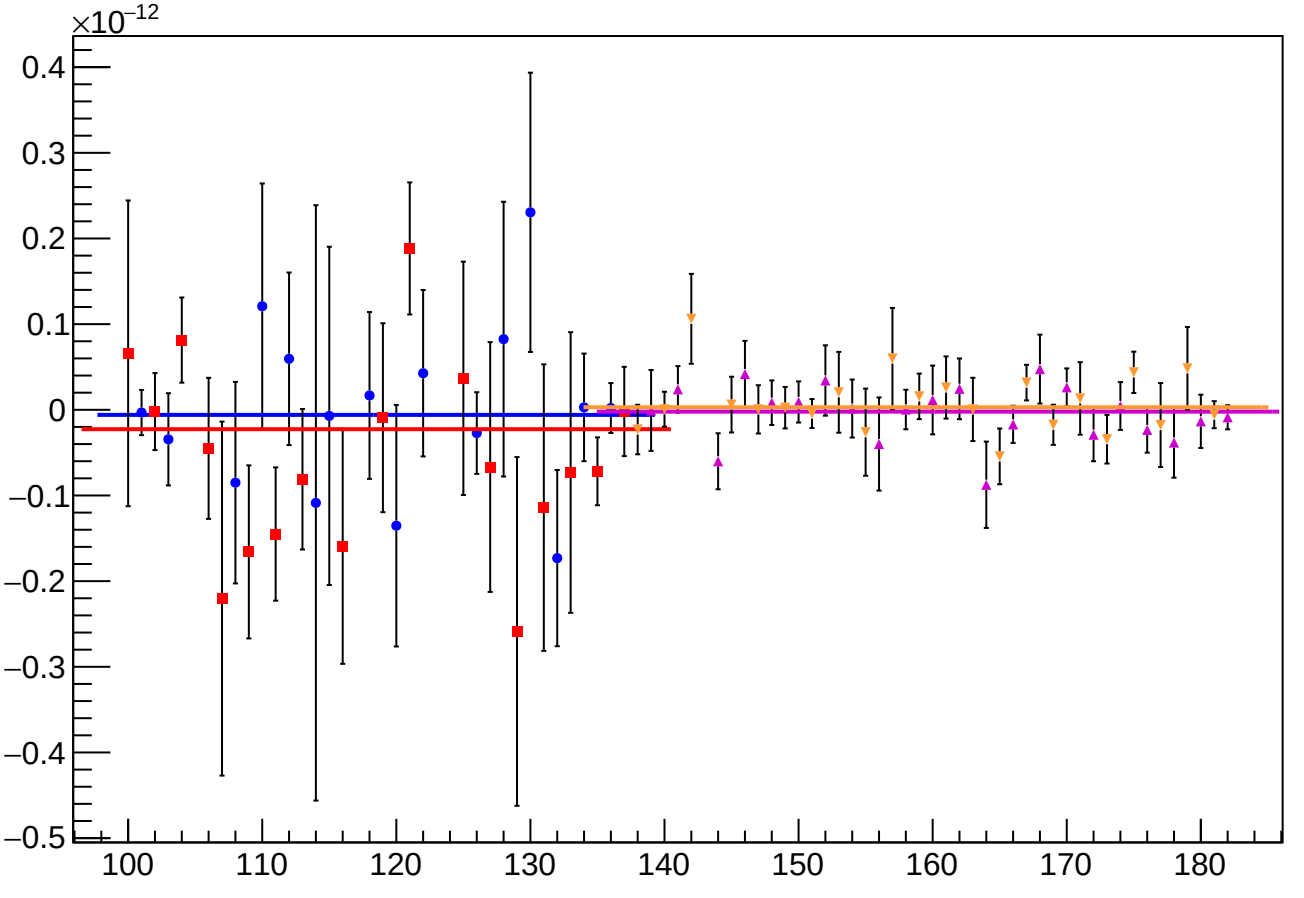
Left: 1616.100+/-0.194 χ^2/NDF: 1456814.8/43

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

In: 1546.379+/-0.221 χ^2/NDF:1218354.8/37

Out: 1573.714+/-0.226 χ^2/NDF:996521.9/39

All: 1559.704+/-0.158 χ^2/NDF: 2222355.1/77



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

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/21

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

Left In: -0.000+/-0.000 χ^2/NDF:16.8/21

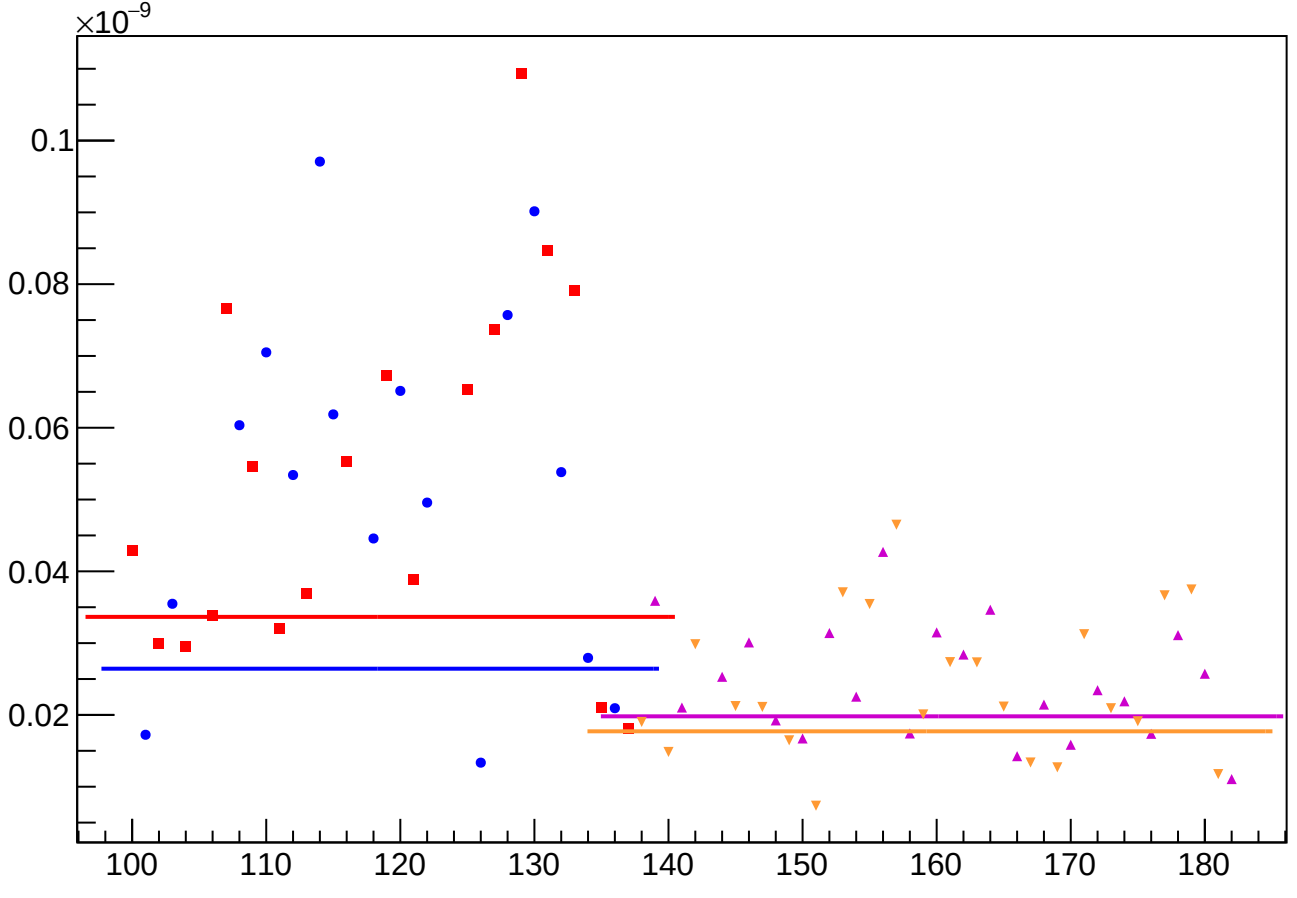
Left: 0.000+/-0.000 χ^2/NDF: 35.9/43

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

In: -0.000+/-0.000 χ^2/NDF:25.4/37

Out: 0.000+/-0.000 χ^2/NDF:43.6/39

All: -0.000+/-0.000 χ^2/NDF: 69.1/77



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

Left Out: 0.000+/-0.000 χ^2/NDF:3667306.2/21

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

Left In: 0.000+/-0.000 χ^2/NDF:2730967.3/21

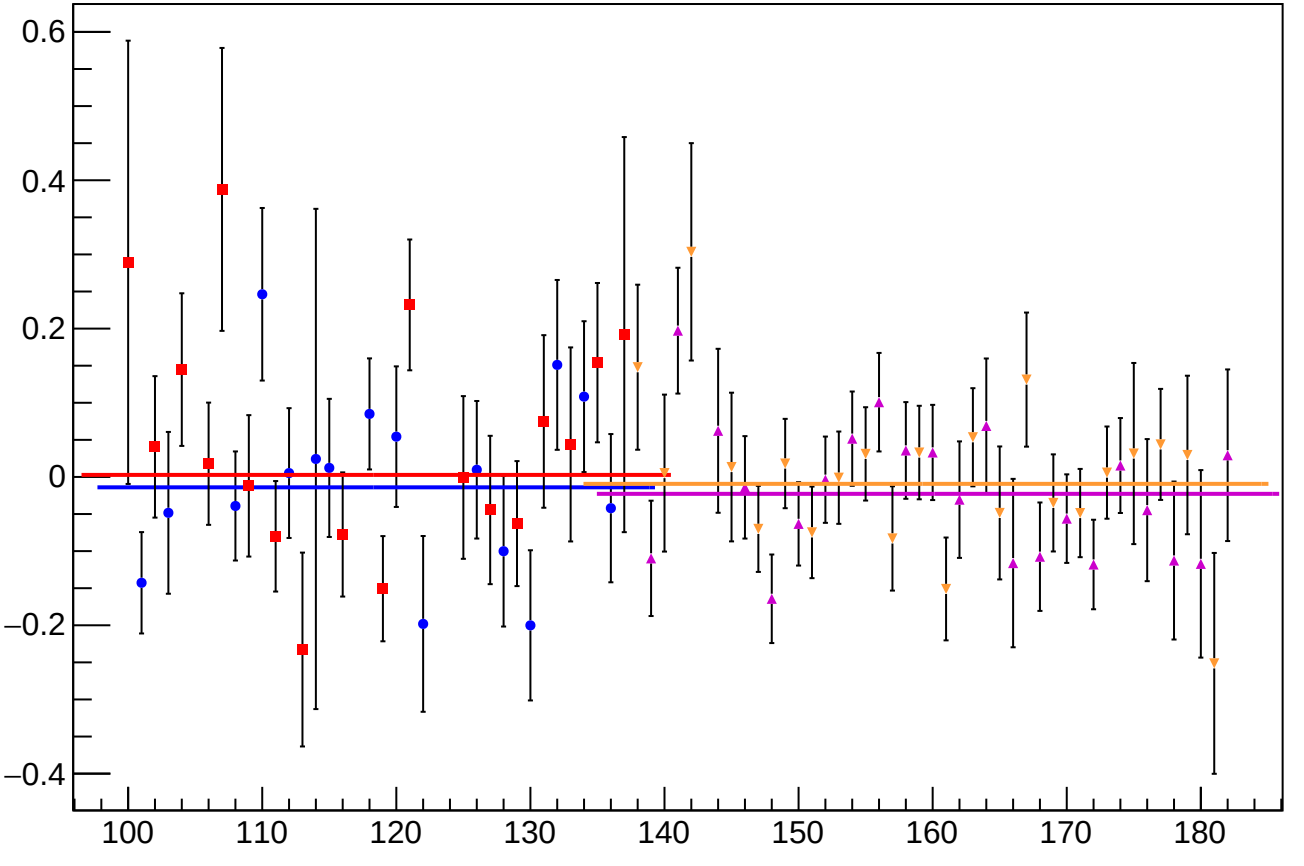
Left: 0.000+/-0.000 χ^2/NDF: 6520753.5/43

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

In: 0.000+/-0.000 χ^2/NDF:5199106.7/37

Out: 0.000+/-0.000 χ^2/NDF:6769039.4/39

All: 0.000+/-0.000 χ^2/NDF: 12038526.3/77



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

Left Out: -0.009+/-0.016 χ^2/NDF:22.8/21

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

Left In: -0.023+/-0.016 χ^2/NDF:29.0/21

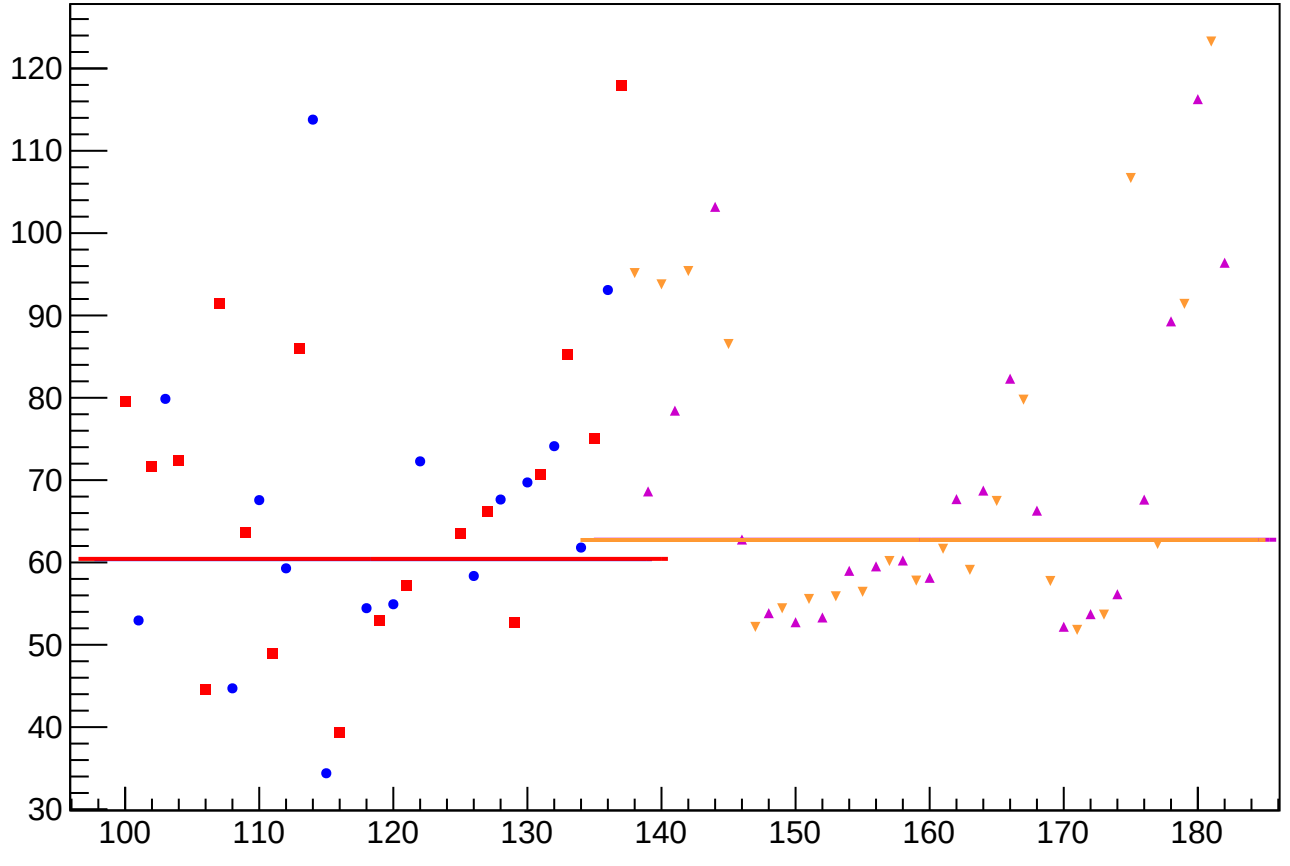
Left: -0.016+/-0.011 χ^2/NDF: 52.1/43

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

In: -0.020+/-0.013 χ^2/NDF:50.4/37

Out: -0.006+/-0.013 χ^2/NDF:50.7/39

All: -0.013+/-0.009 χ^2/NDF: 101.7/77



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

Left Out: 62.729+/-0.011 χ^2/NDF:1683013.0/21

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

Left In: 62.759+/-0.011 χ^2/NDF:1399774.3/21

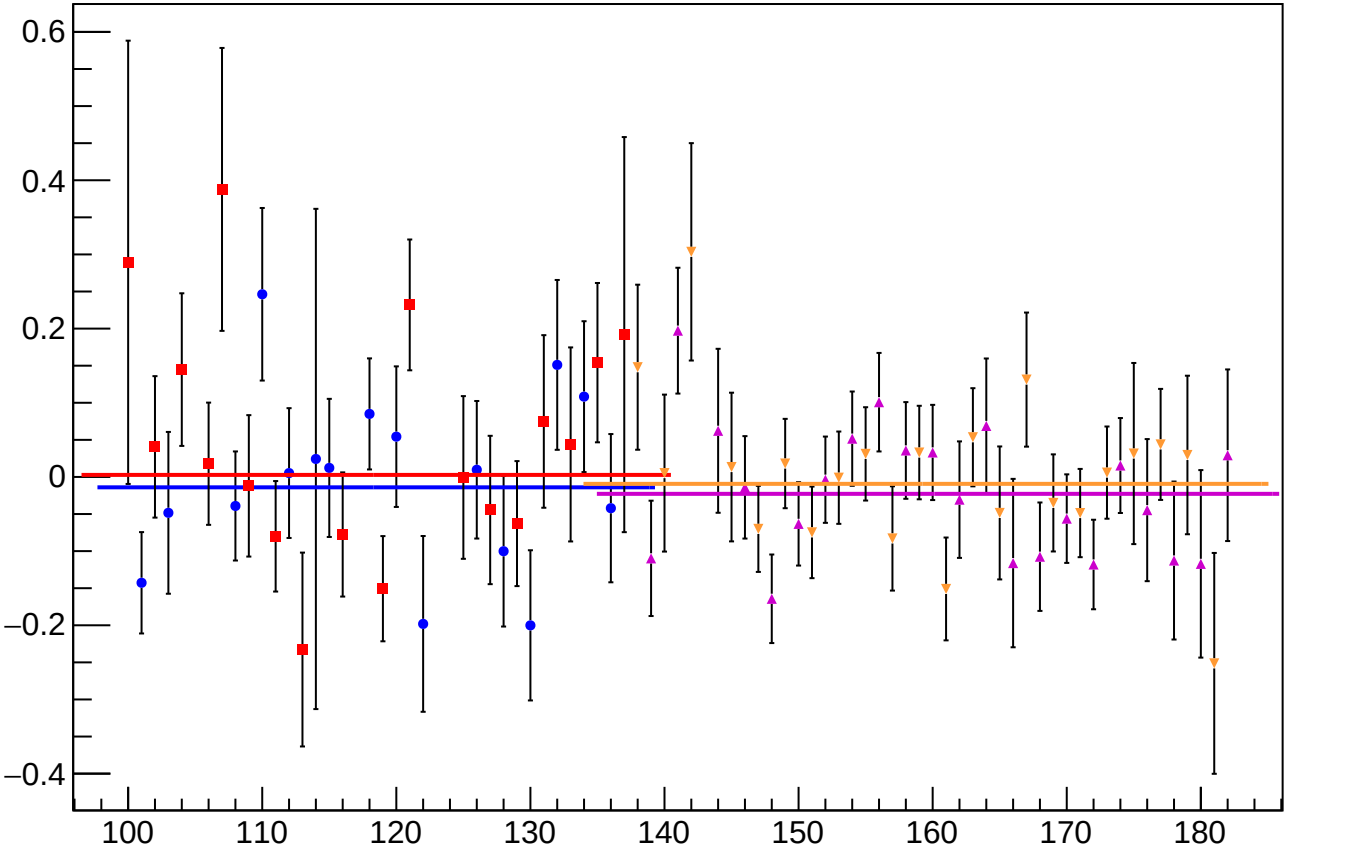
Left: 62.744+/-0.008 χ^2/NDF: 3082791.1/43

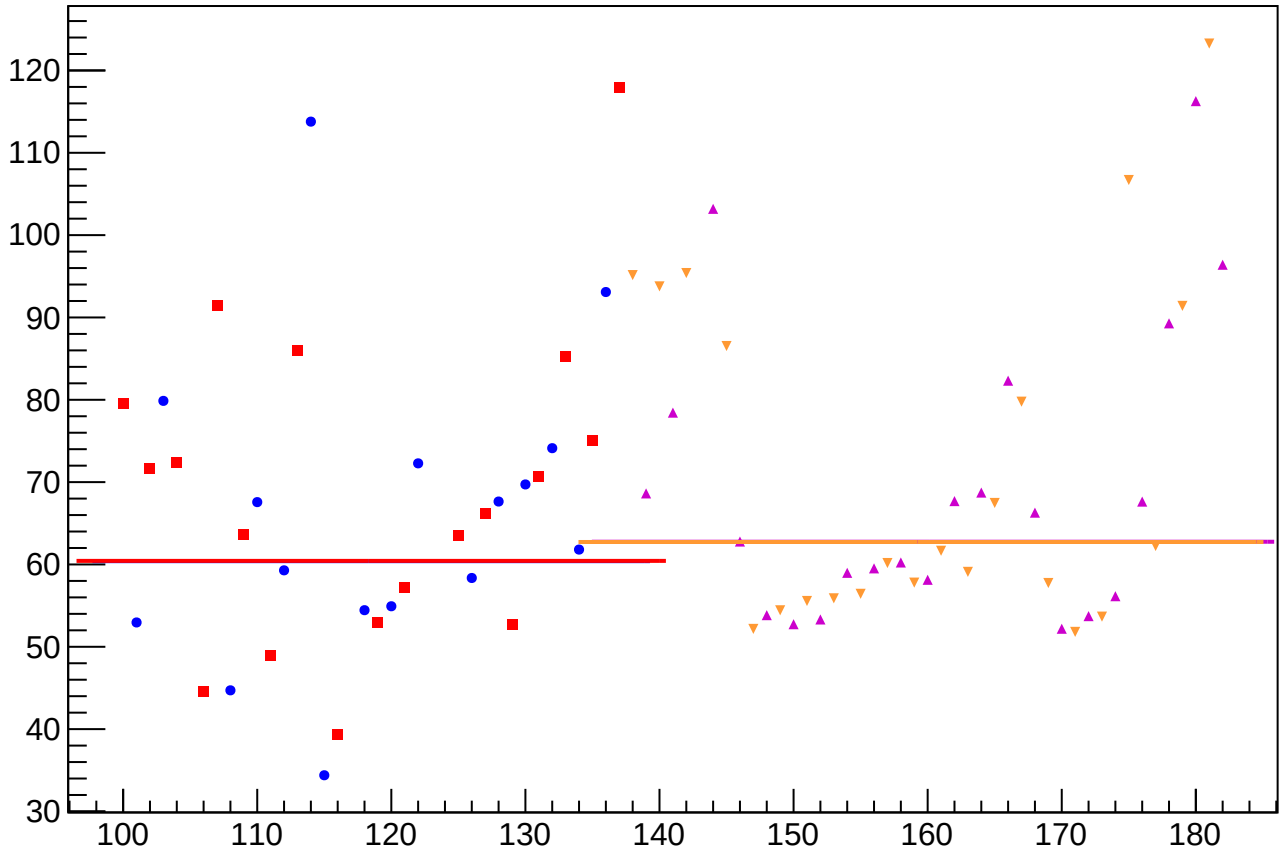
Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 62.054+/-0.009 χ^2/NDF:2116650.6/37

Out: 62.020+/-0.009 χ^2/NDF:2406960.3/39

All: 62.037+/-0.007 χ^2/NDF: 4523617.8/77


asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.009+/-0.016 χ²/NDF:22.8/21
Right Out: 0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.023+/-0.016 χ²/NDF:29.0/21
Left: -0.016+/-0.011 χ²/NDF: 52.1/43
Right: -0.006+/-0.017 χ²/NDF: 49.4/33
In: -0.020+/-0.013 χ²/NDF:50.4/37
Out: -0.006+/-0.013 χ²/NDF:50.7/39
All: -0.013+/-0.009 χ²/NDF: 101.7/77



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

Left Out: 62.729+/-0.011 χ^2/NDF:1683013.0/21

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

Left In: 62.759+/-0.011 χ^2/NDF:1399774.3/21

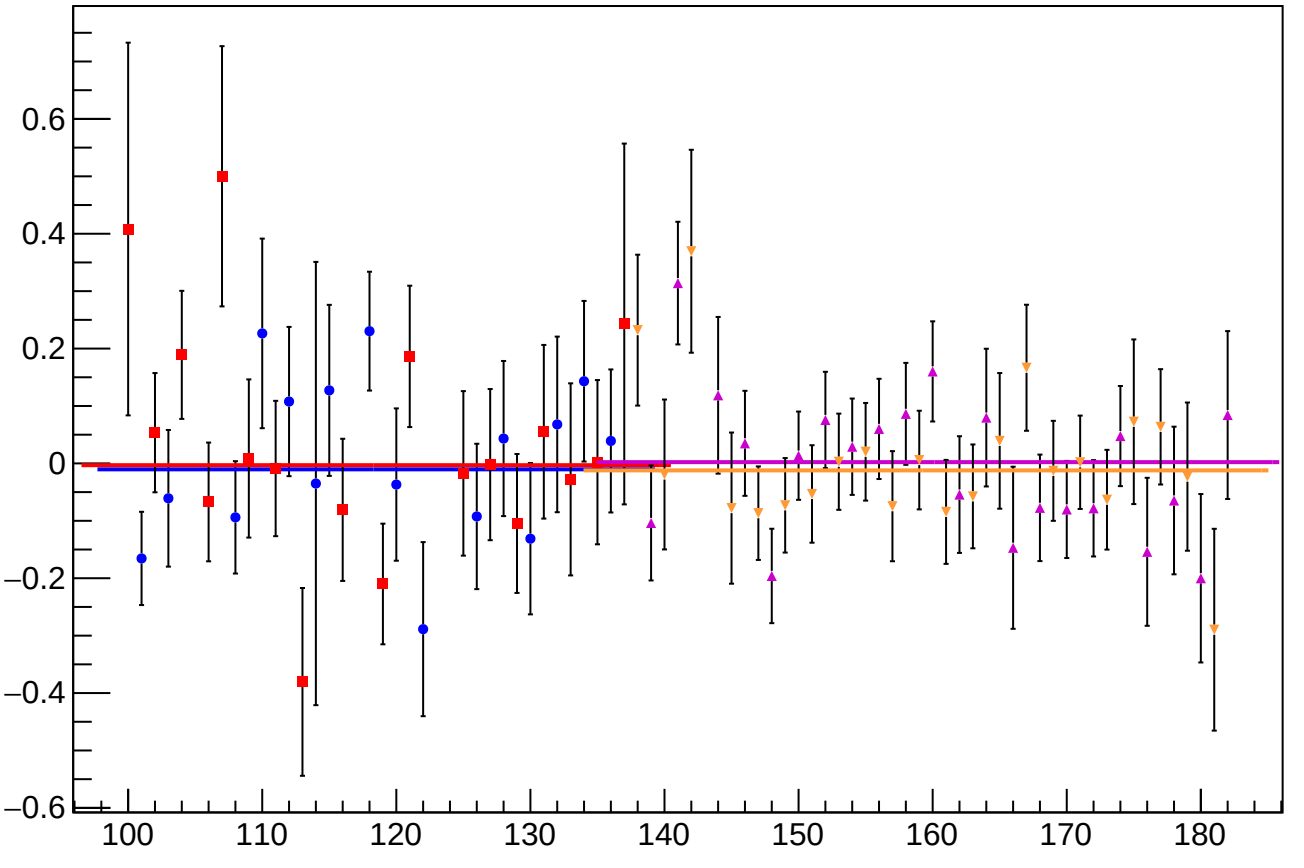
Left: 62.744+/-0.008 χ^2/NDF: 3082791.1/43

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

In: 62.054+/-0.009 χ^2/NDF:2116650.6/37

Out: 62.020+/-0.009 χ^2/NDF:2406960.3/39

All: 62.037+/-0.007 χ^2/NDF: 4523617.8/77



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

Left Out: -0.012+/-0.021 χ^2/NDF:18.2/21

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

Left In: 0.002+/-0.021 χ^2/NDF:30.5/21

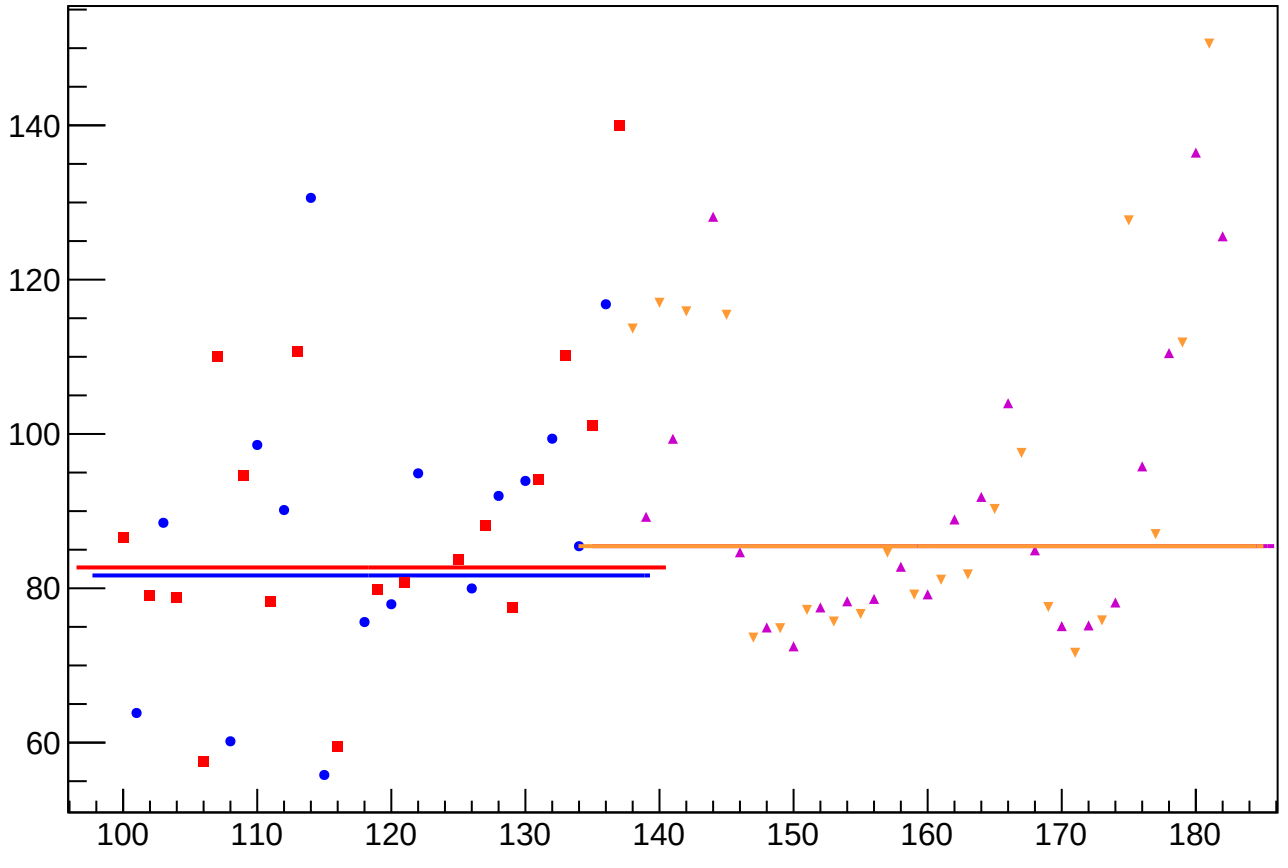
Left: -0.005+/-0.015 χ^2/NDF: 48.9/43

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

In: -0.002+/-0.017 χ^2/NDF:50.8/37

Out: -0.009+/-0.018 χ^2/NDF:41.9/39

All: -0.005+/-0.012 χ^2/NDF: 92.7/77



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

Left Out: 85.459+/-0.015 χ^2/NDF:1192406.0/21

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

Left In: 85.464+/-0.015 χ^2/NDF:977292.6/21

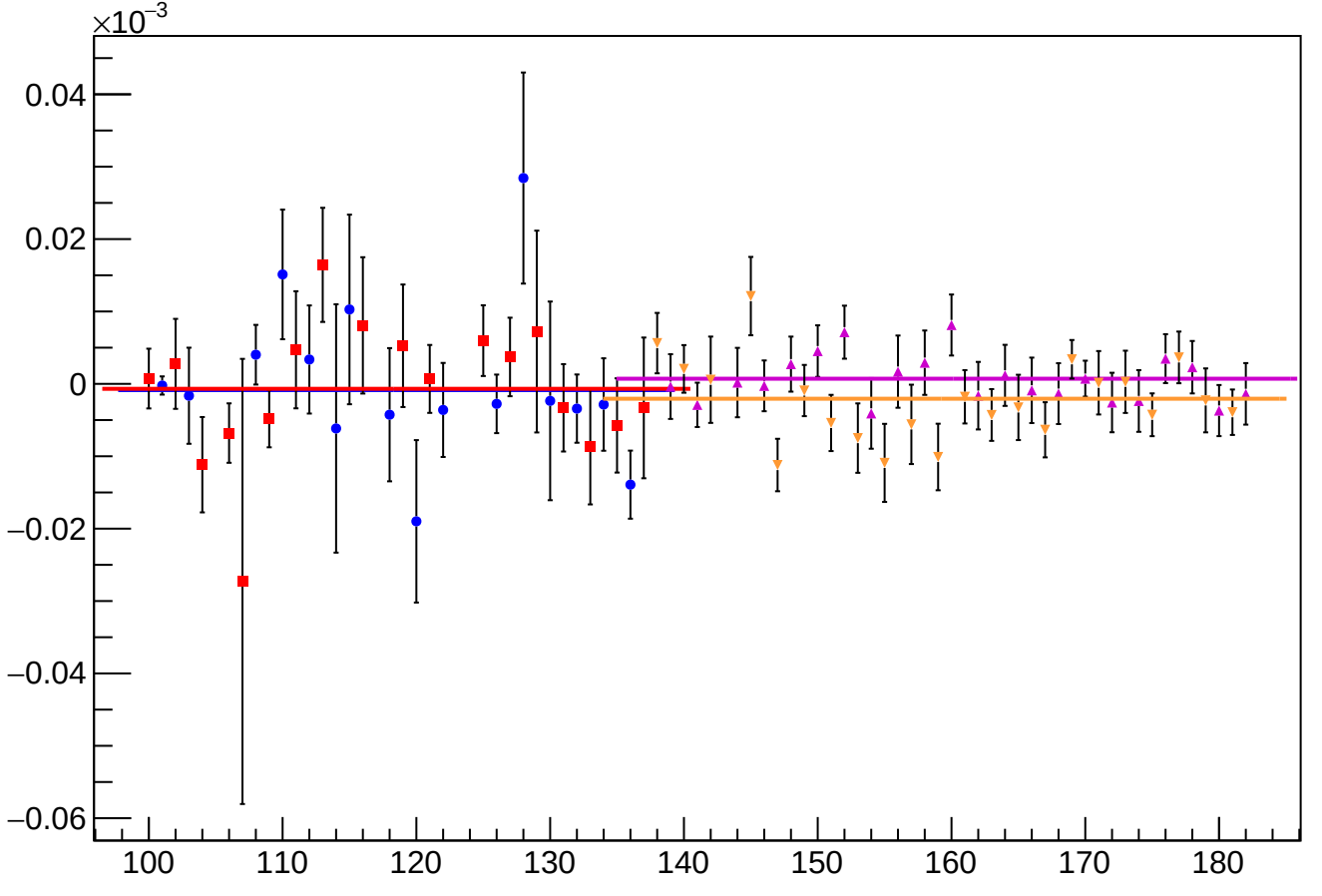
Left: 85.462+/-0.011 χ^2/NDF: 2169698.7/43

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

In: 84.316+/-0.012 χ^2/NDF:1559322.9/37

Out: 84.608+/-0.012 χ^2/NDF:1675912.0/39

All: 84.460+/-0.009 χ^2/NDF: 3235513.5/77



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

Left Out: -0.000+/-0.000 χ^2/NDF:36.7/21

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

Left In: 0.000+/-0.000 χ^2/NDF:14.9/21

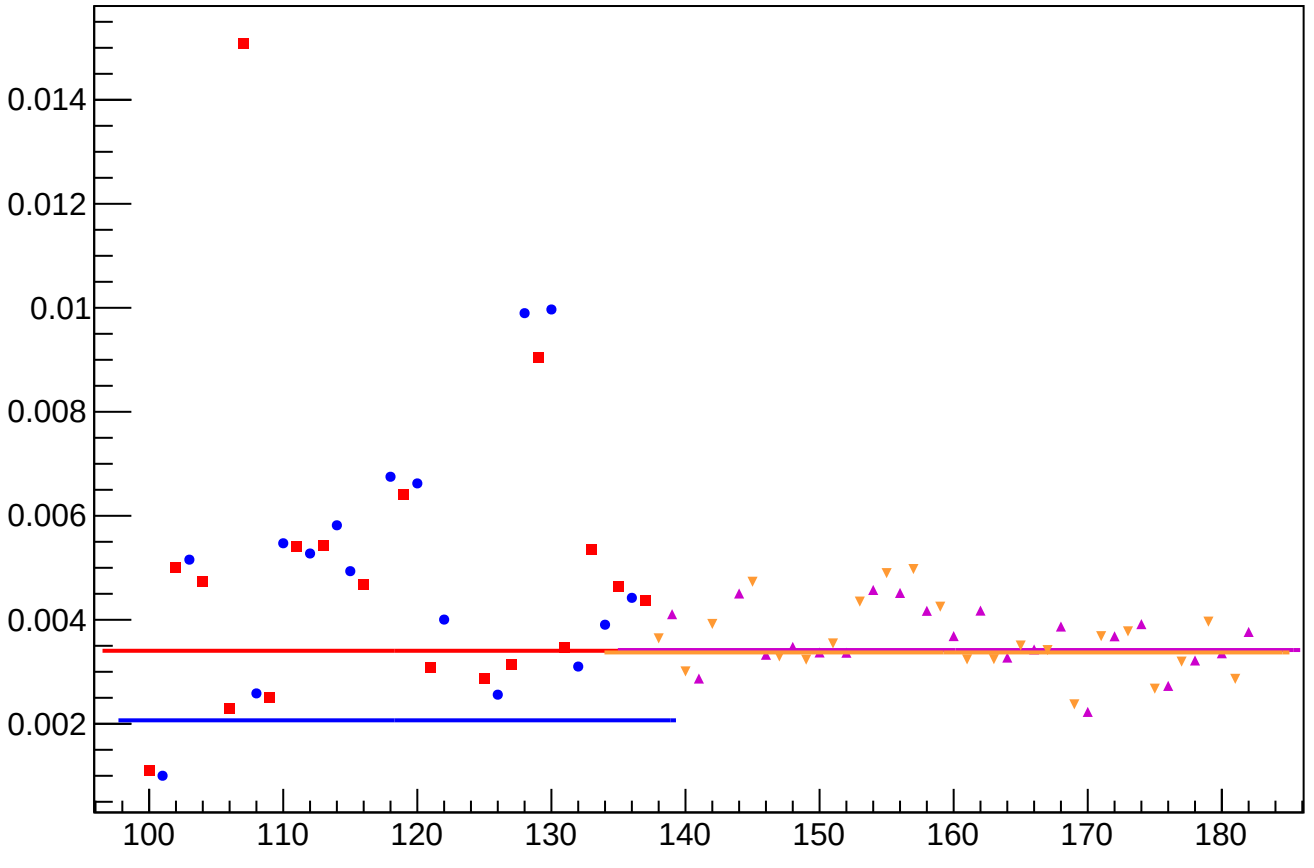
Left: -0.000+/-0.000 χ^2/NDF: 57.1/43

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

In: 0.000+/-0.000 χ^2/NDF:37.6/37

Out: -0.000+/-0.000 χ^2/NDF:55.7/39

All: -0.000+/-0.000 χ^2/NDF: 96.8/77



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

Left Out: 0.003+/-0.000 χ^2/NDF:1192070.2/21

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

Left In: 0.003+/-0.000 χ^2/NDF:1169177.0/21

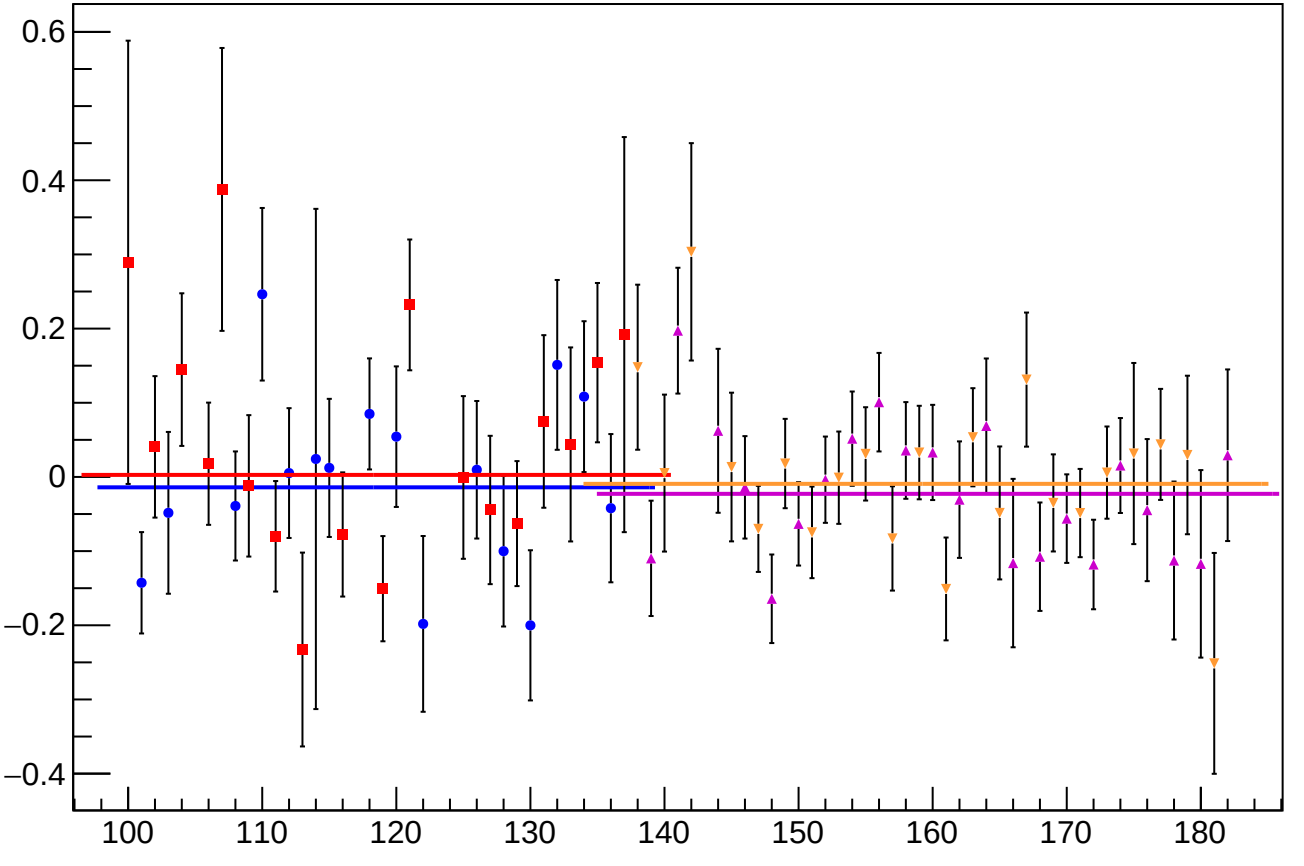
Left: 0.003+/-0.000 χ^2/NDF: 2364381.6/43

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

In: 0.003+/-0.000 χ^2/NDF:9140221.1/37

Out: 0.003+/-0.000 χ^2/NDF:3684127.7/39

All: 0.003+/-0.000 χ^2/NDF: 13372841.9/77



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

Left Out: -0.009+/-0.016 χ^2/NDF:22.8/21

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

Left In: -0.023+/-0.016 χ^2/NDF:29.0/21

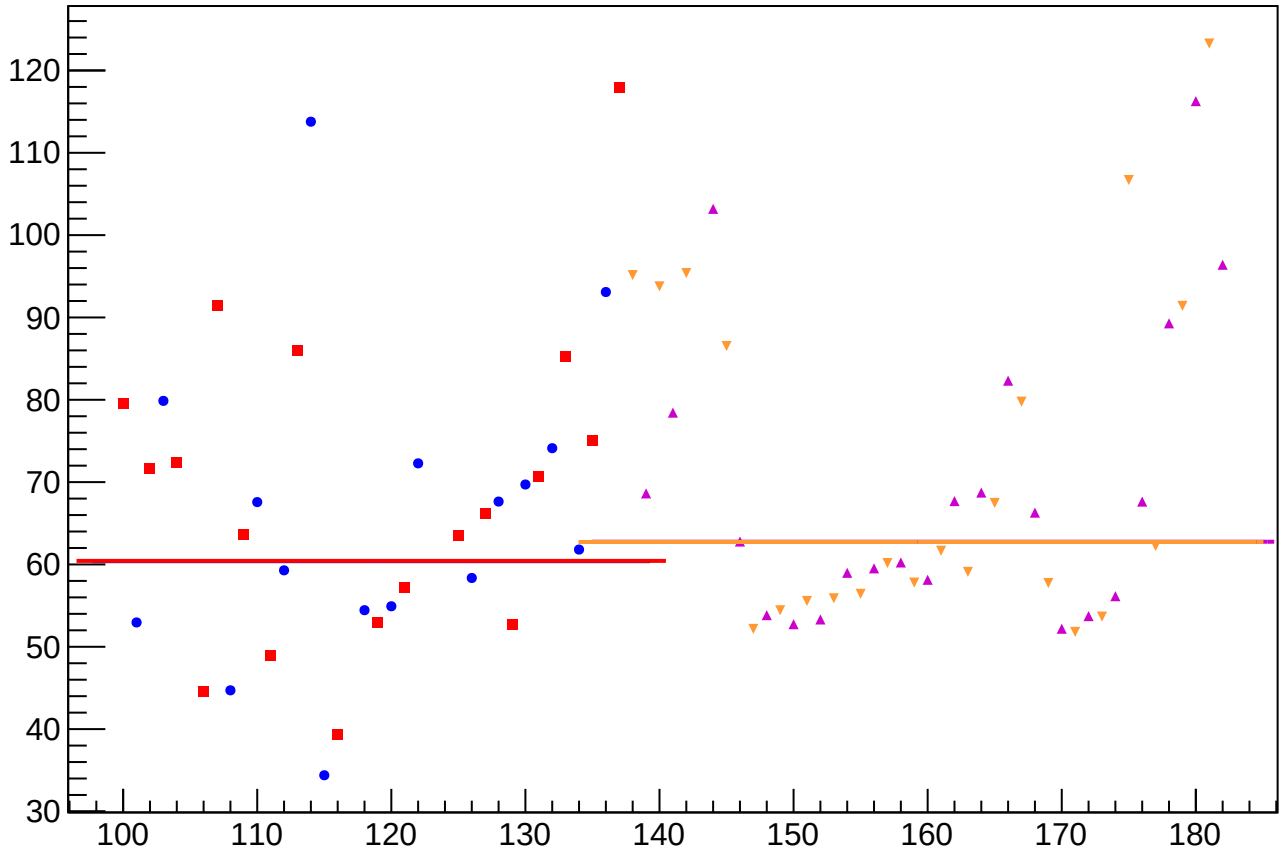
Left: -0.016+/-0.011 χ^2/NDF: 52.1/43

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

In: -0.020+/-0.013 χ^2/NDF:50.4/37

Out: -0.006+/-0.013 χ^2/NDF:50.7/39

All: -0.013+/-0.009 χ^2/NDF: 101.7/77



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

Left Out: 62.729+/-0.011 χ^2/NDF:1682997.0/21

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

Left In: 62.760+/-0.011 χ^2/NDF:1399752.6/21

Left: 62.745+/-0.008 χ^2/NDF: 3082753.4/43

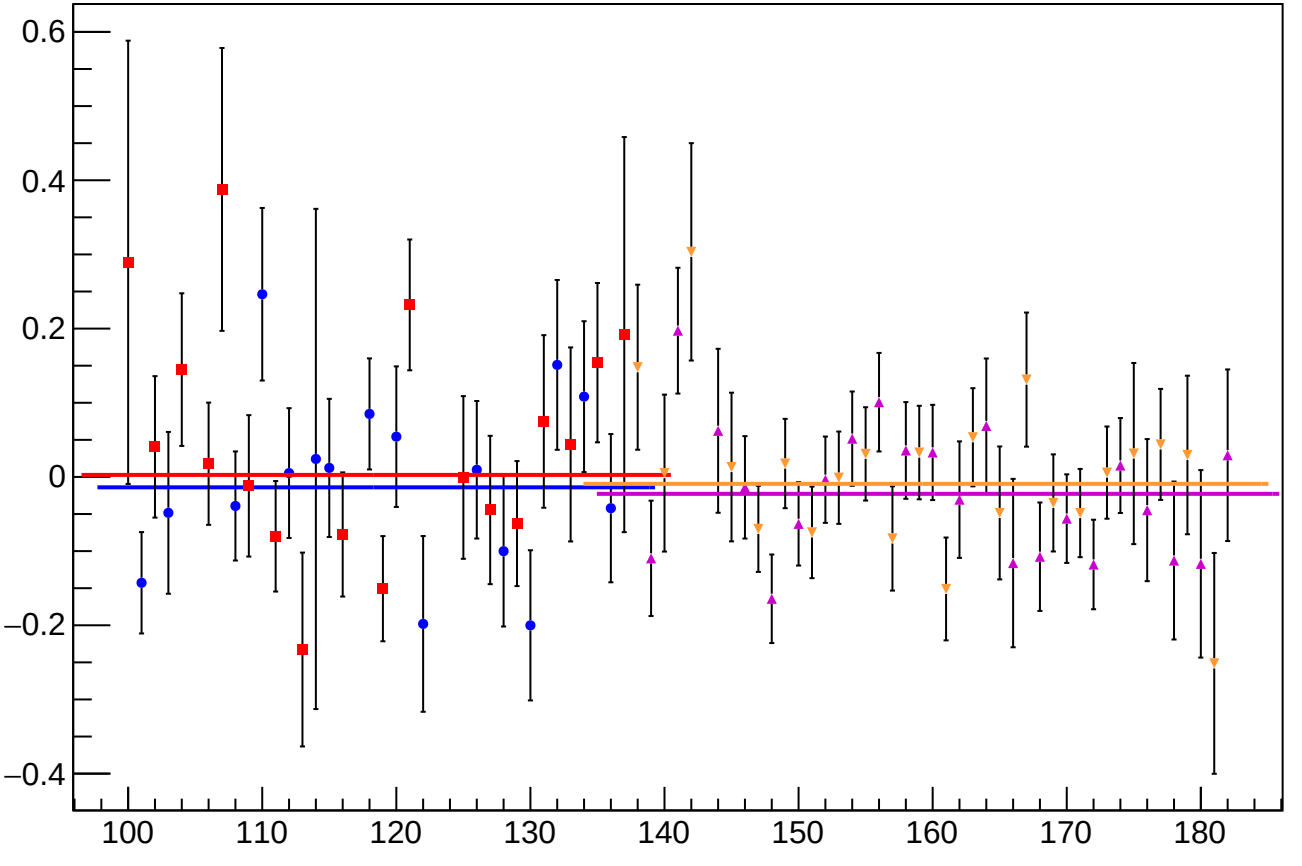
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 62.054+/-0.009 χ^2/NDF:2116661.4/37

Out: 62.020+/-0.009 χ^2/NDF:2406997.2/39

All: 62.037+/-0.007 χ^2/NDF: 4523665.4/77

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.009+/-0.016 χ^2/NDF:22.8/21

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

Left In: -0.023+/-0.016 χ^2/NDF:29.0/21

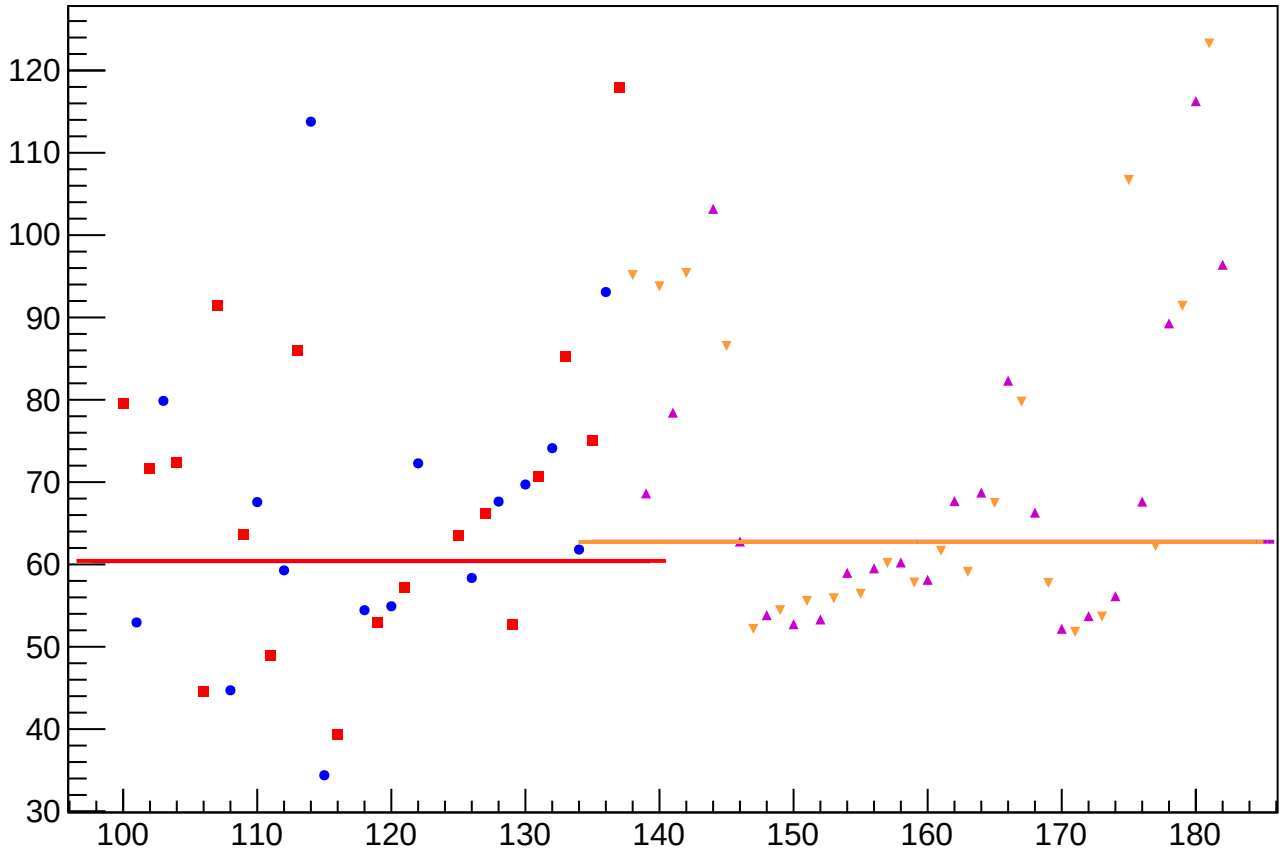
Left: -0.016+/-0.011 χ^2/NDF: 52.1/43

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

In: -0.020+/-0.013 χ^2/NDF:50.4/37

Out: -0.006+/-0.013 χ^2/NDF:50.7/39

All: -0.013+/-0.009 χ^2/NDF: 101.7/77



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

Left Out: 62.729+/-0.011 χ^2/NDF:1682997.0/21

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

Left In: 62.760+/-0.011 χ^2/NDF:1399752.6/21

Left: 62.745+/-0.008 χ^2/NDF: 3082753.4/43

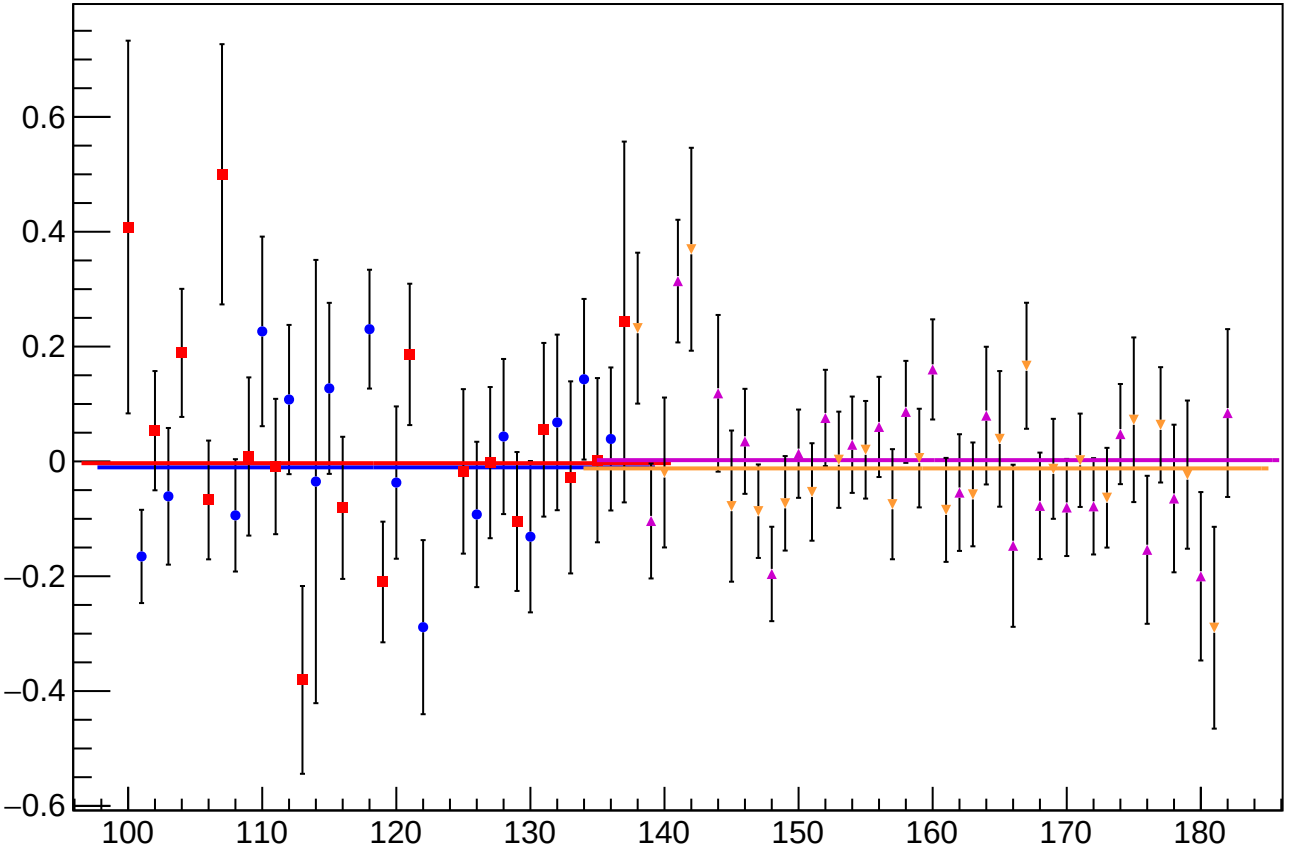
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 62.054+/-0.009 χ^2/NDF:2116661.4/37

Out: 62.020+/-0.009 χ^2/NDF:2406997.2/39

All: 62.037+/-0.007 χ^2/NDF: 4523665.4/77

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: -0.012+/-0.021 χ^2/NDF:18.2/21

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

Left In: 0.002+/-0.021 χ^2/NDF:30.5/21

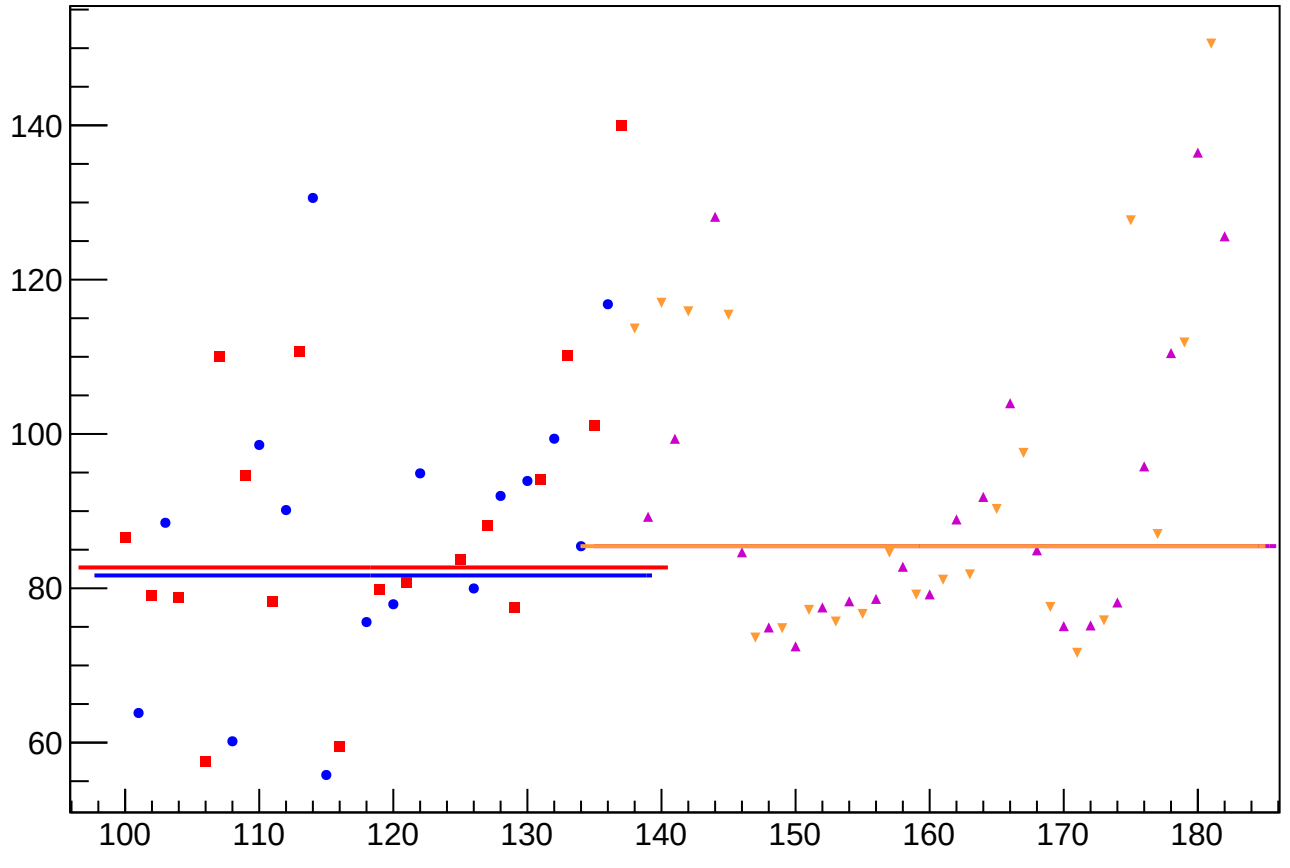
Left: -0.005+/-0.015 χ^2/NDF: 48.9/43

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

In: -0.002+/-0.017 χ^2/NDF:50.8/37

Out: -0.009+/-0.018 χ^2/NDF:41.9/39

All: -0.005+/-0.012 χ^2/NDF: 92.7/77



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

Left Out: 85.460+/-0.015 χ^2/NDF:1192397.7/21

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

Left In: 85.465+/-0.015 χ^2/NDF:977284.4/21

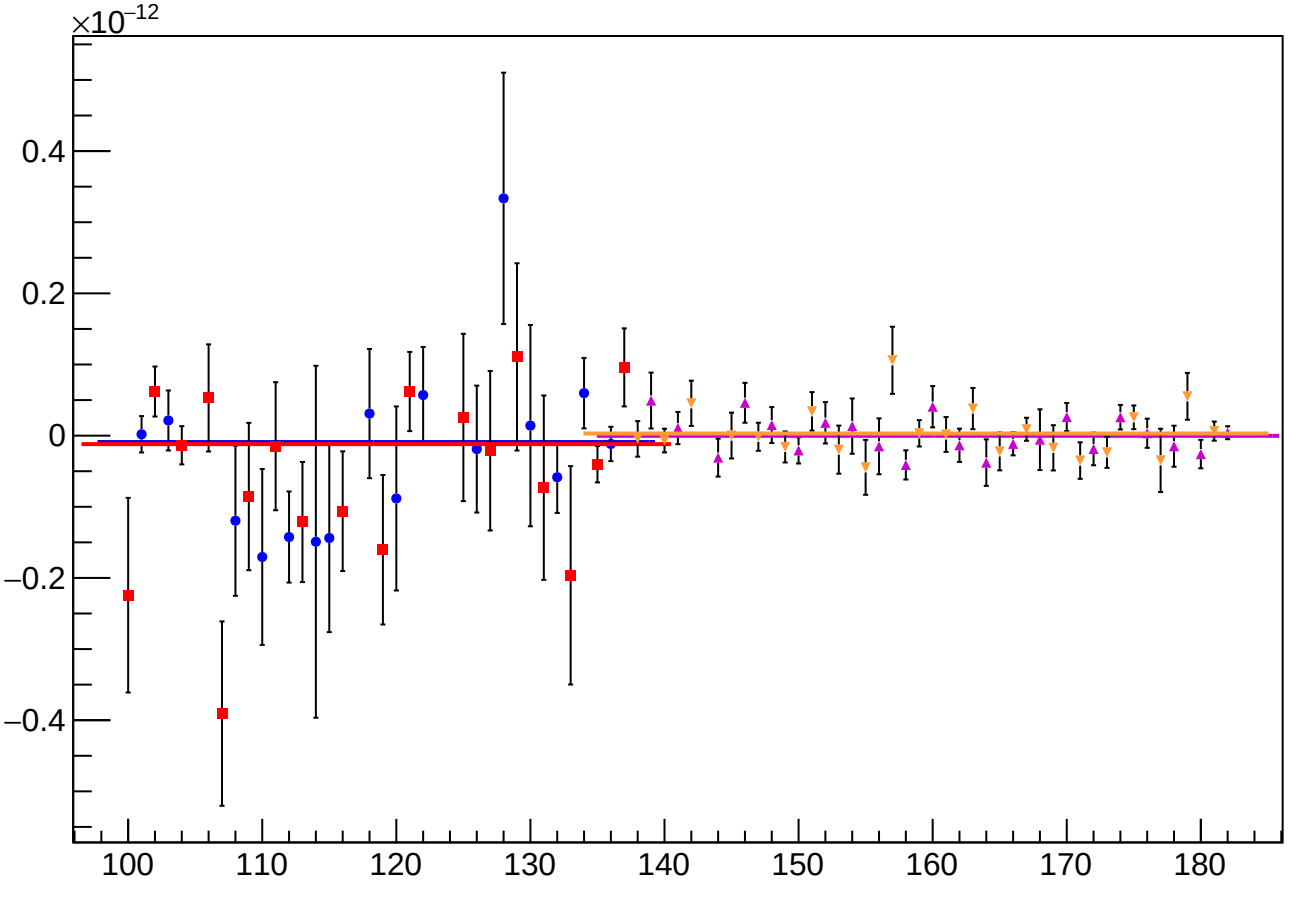
Left: 85.462+/-0.011 χ^2/NDF: 2169682.2/43

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

In: 84.316+/-0.012 χ^2/NDF:1559314.2/37

Out: 84.608+/-0.012 χ^2/NDF:1675911.0/39

All: 84.460+/-0.009 χ^2/NDF: 3235503.8/77



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

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/21

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

Left In: -0.000+/-0.000 χ^2/NDF:23.2/21

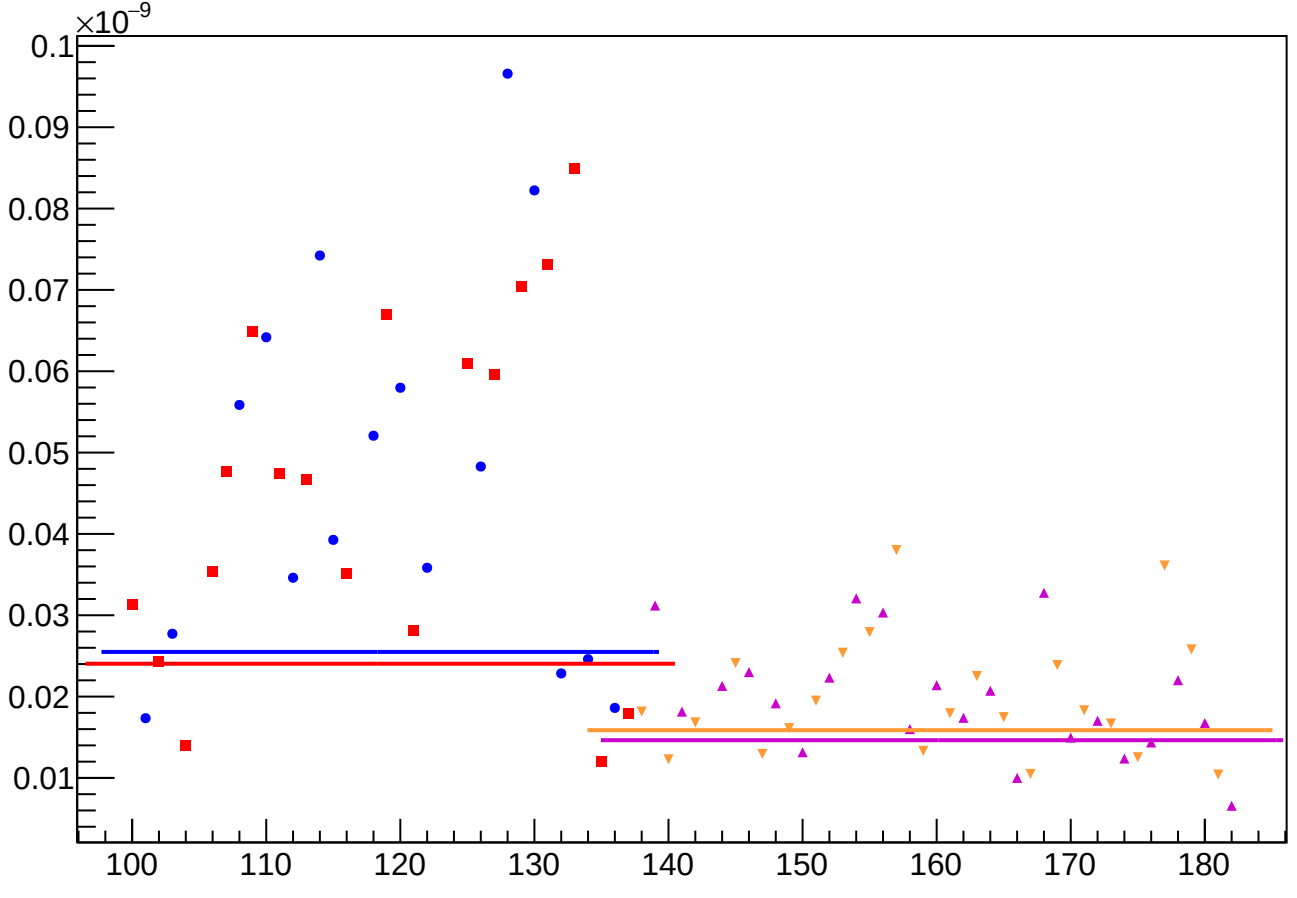
Left: 0.000+/-0.000 χ^2/NDF: 46.3/43

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

In: -0.000+/-0.000 χ^2/NDF:41.0/37

Out: 0.000+/-0.000 χ^2/NDF:55.0/39

All: -0.000+/-0.000 χ^2/NDF: 96.2/77



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

Left Out: 0.000+/-0.000 χ^2/NDF:2656132.7/21

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

Left In: 0.000+/-0.000 χ^2/NDF:4157406.0/21

Left: 0.000+/-0.000 χ^2/NDF: 6881942.8/43

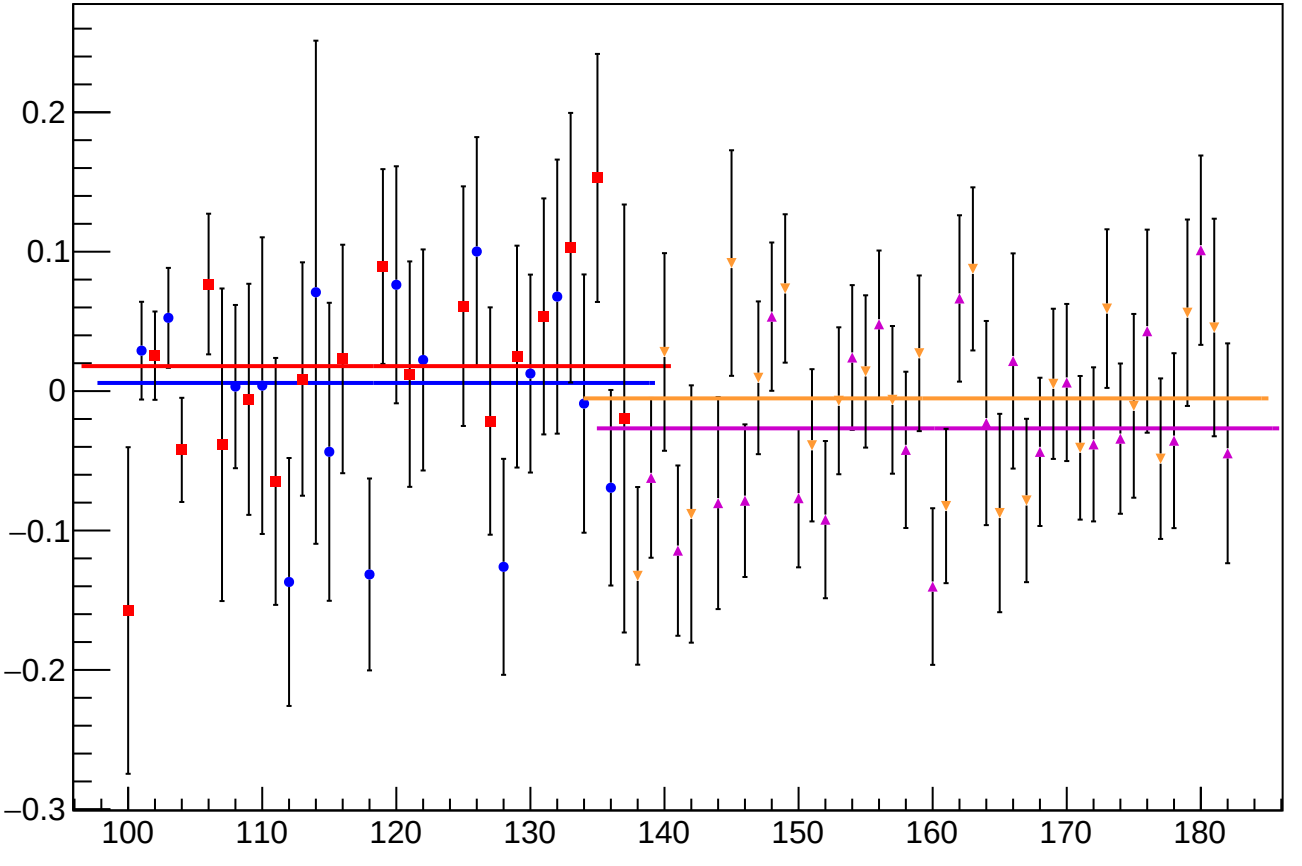
Right: 0.000+/-0.000 χ^2/NDF: 5096304.5/33

In: 0.000+/-0.000 χ^2/NDF:7359755.6/37

Out: 0.000+/-0.000 χ^2/NDF:6395836.4/39

All: 0.000+/-0.000 χ^2/NDF: 13813553.4/77

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: -0.005+/-0.013 χ^2/NDF:20.6/21

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

Left In: -0.027+/-0.013 χ^2/NDF:23.5/21

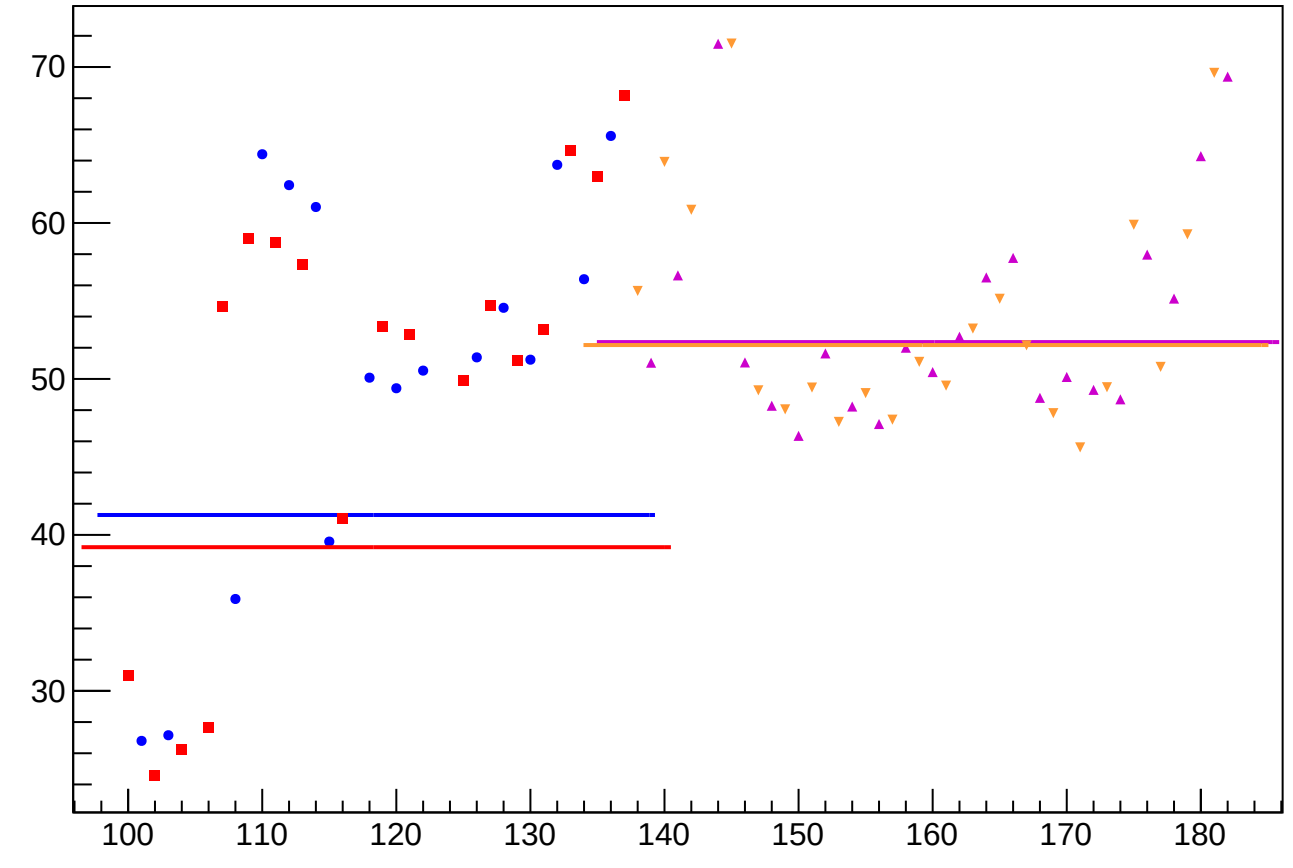
Left: -0.016+/-0.009 χ^2/NDF: 45.5/43

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.015+/-0.010 χ^2/NDF:41.5/37

Out: 0.004+/-0.010 χ^2/NDF:34.2/39

All: -0.005+/-0.007 χ^2/NDF: 77.4/77



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

Left Out: 52.173+/-0.009 χ^2/NDF:466024.5/21

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

Left In: 52.363+/-0.009 χ^2/NDF:429374.7/21

Left: 52.269+/-0.006 χ^2/NDF: 895624.7/43

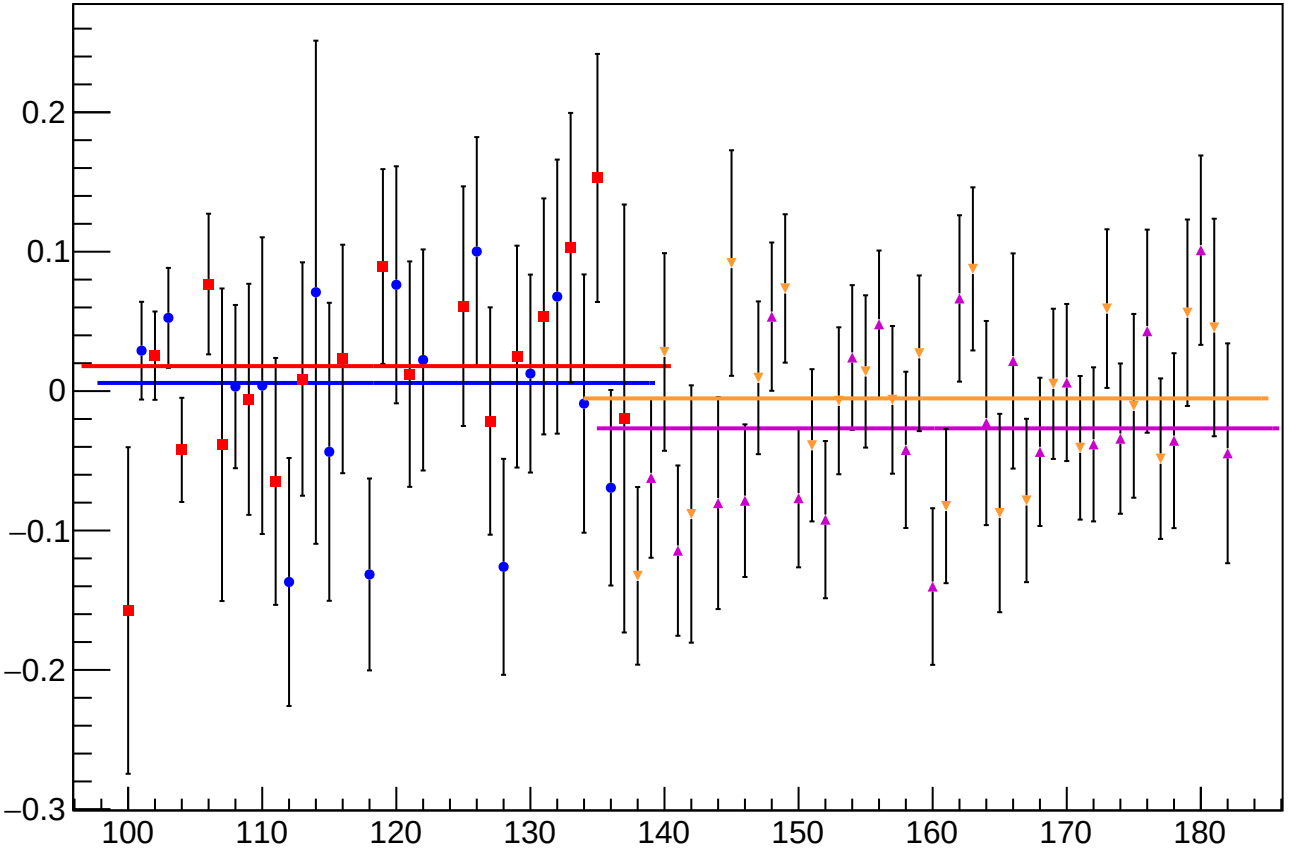
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 48.293+/-0.007 χ^2/NDF:2504329.3/37

Out: 47.043+/-0.007 χ^2/NDF:3106008.5/39

All: 47.661+/-0.005 χ^2/NDF: 5626101.1/77

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.005+/-0.013 χ^2/NDF:20.6/21

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

Left In: -0.027+/-0.013 χ^2/NDF:23.5/21

Left: -0.016+/-0.009 χ^2/NDF: 45.5/43

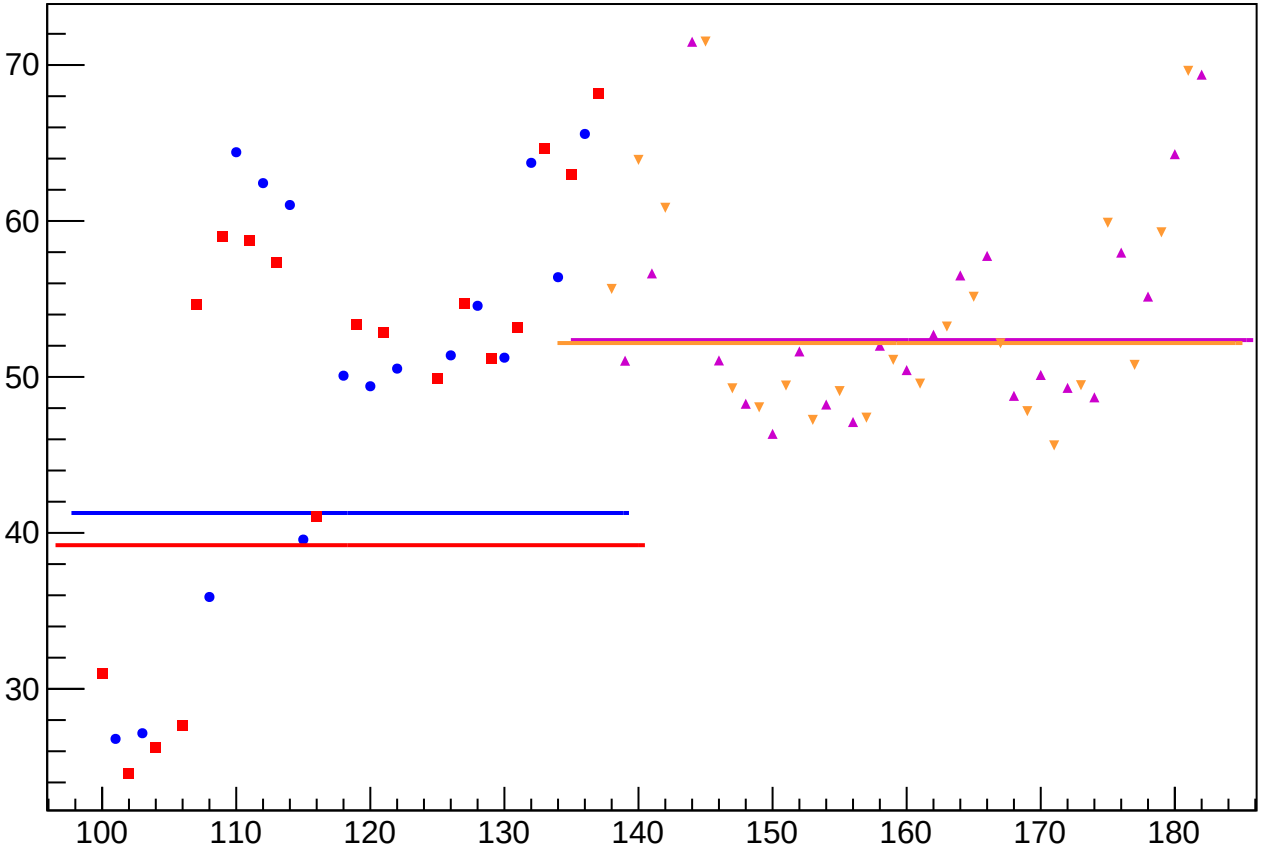
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.015+/-0.010 χ^2/NDF:41.5/37

Out: 0.004+/-0.010 χ^2/NDF:34.2/39

All: -0.005+/-0.007 χ^2/NDF: 77.4/77

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: 52.173+/-0.009 χ^2/NDF:466024.5/21

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

Left In: 52.363+/-0.009 χ^2/NDF:429374.7/21

Left: 52.269+/-0.006 χ^2/NDF: 895624.7/43

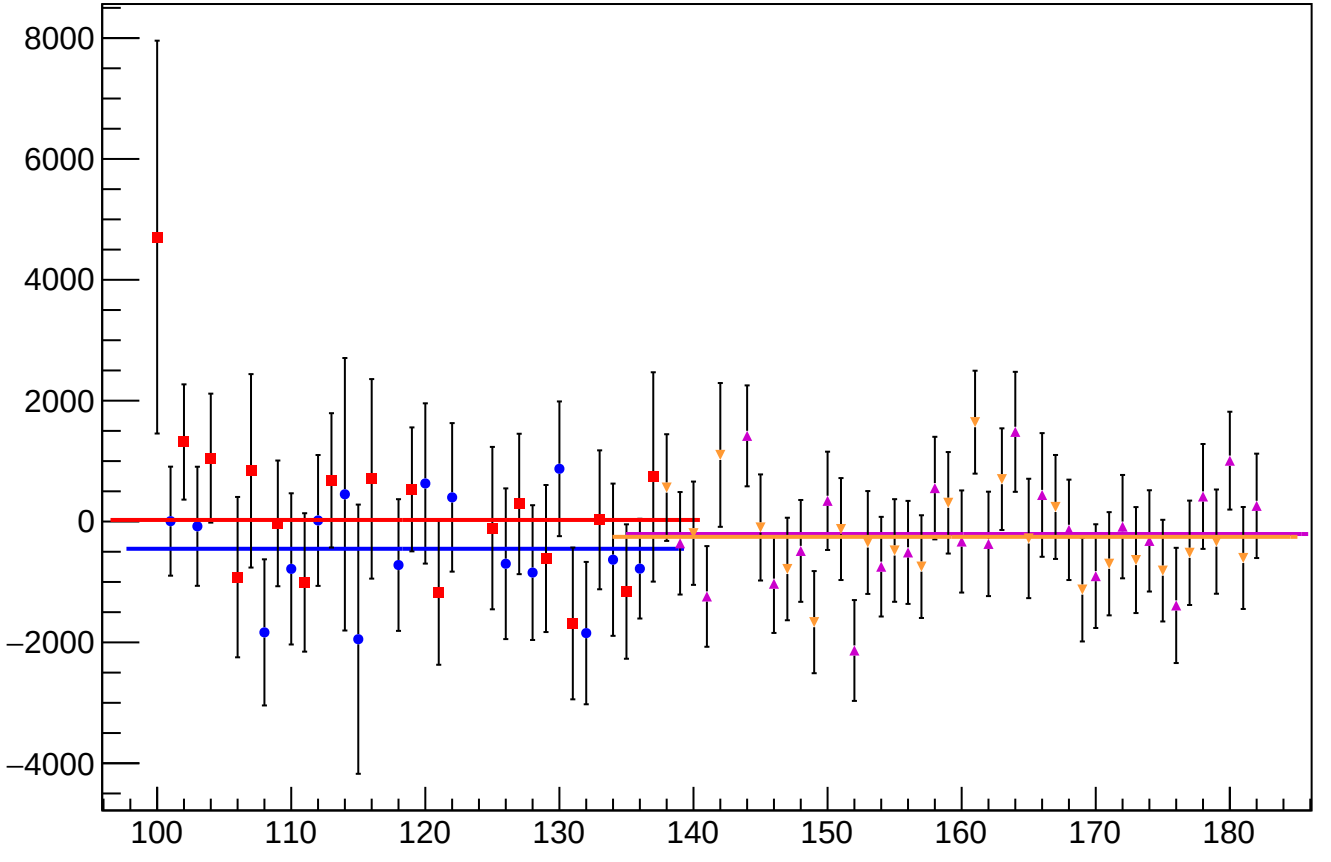
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 48.293+/-0.007 χ^2/NDF:2504329.3/37

Out: 47.043+/-0.007 χ^2/NDF:3106008.5/39

All: 47.661+/-0.005 χ^2/NDF: 5626101.1/77

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -253.465+/-185.319 χ^2/NDF:15.1/21

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

Left In: -206.656+/-182.688 χ^2/NDF:22.3/21

Left: -229.726+/-130.100 χ^2/NDF: 37.4/43

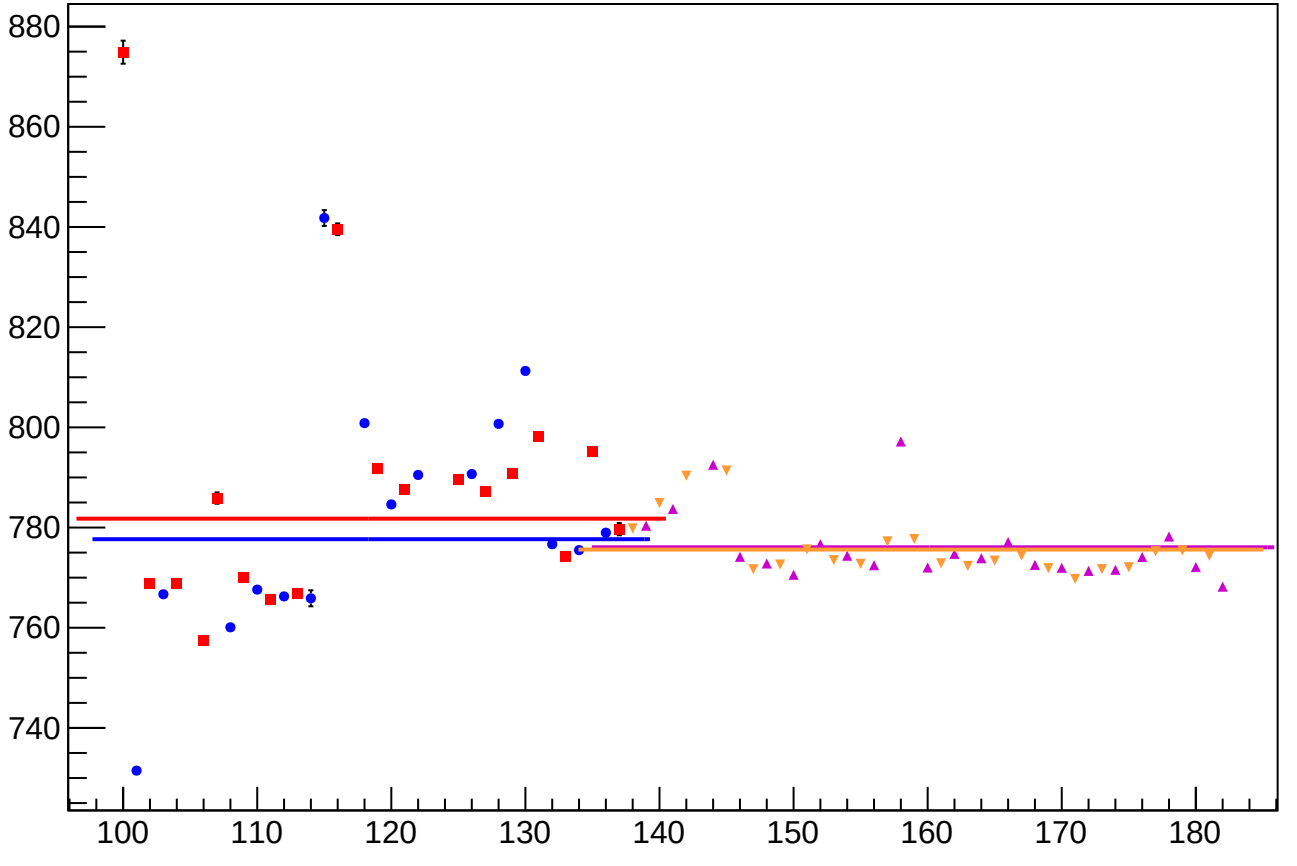
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -276.422+/-154.414 χ^2/NDF:29.7/37

Out: -171.637+/-155.856 χ^2/NDF:27.4/39

All: -224.516+/-109.693 χ^2/NDF: 57.4/77

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 775.606+/-0.131 χ^2/NDF:1634.7/21

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

Left In: 776.056+/-0.129 χ^2/NDF:2907.6/21

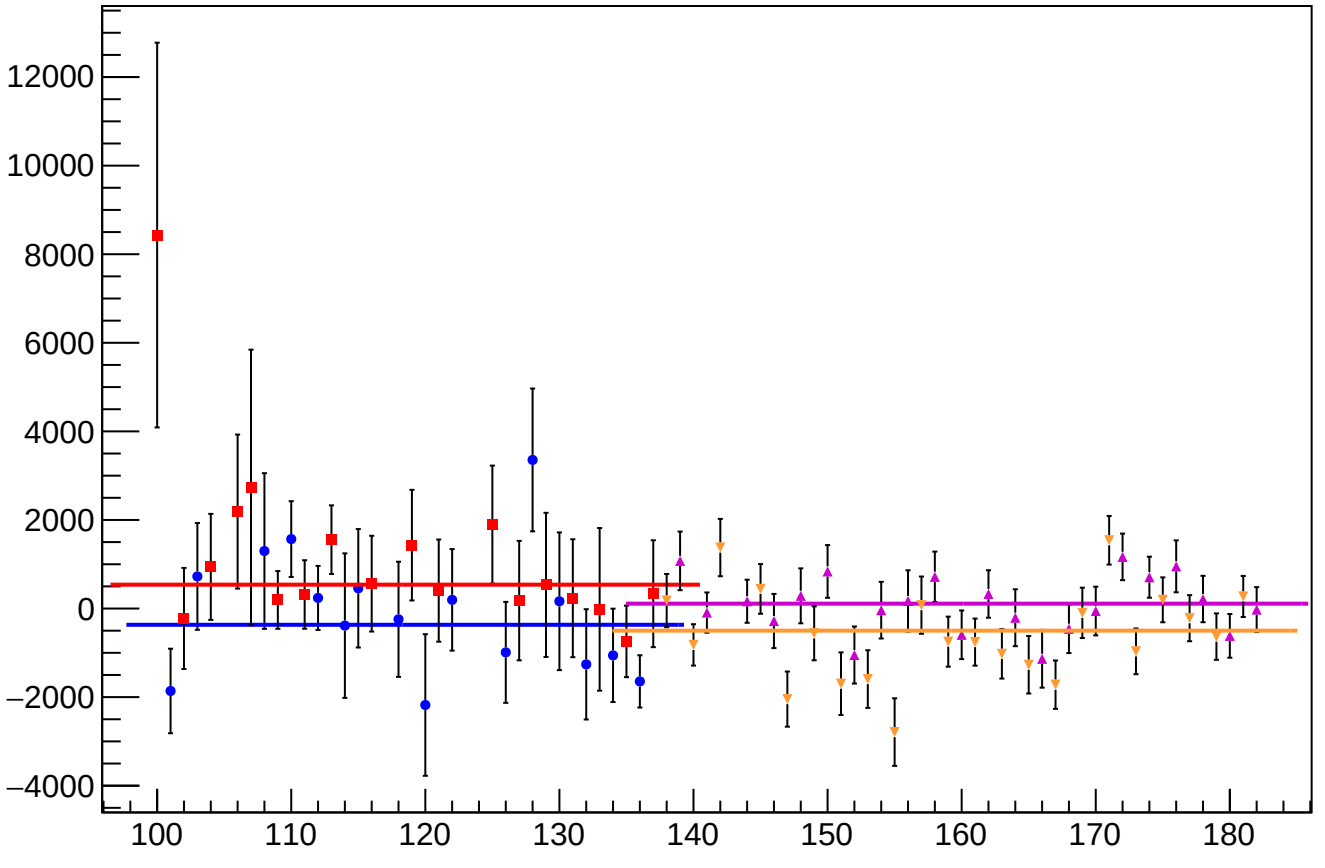
Left: 775.834+/-0.092 χ^2/NDF: 4548.3/43

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

In: 776.518+/-0.109 χ^2/NDF:15007.8/37

Out: 777.412+/-0.110 χ^2/NDF:9910.0/39

All: 776.961+/-0.078 χ^2/NDF: 24951.0/77



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

Left Out: -499.237+/-120.999 χ^2/NDF:62.5/21

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

Left In: 110.145+/-119.068 χ^2/NDF:25.7/21

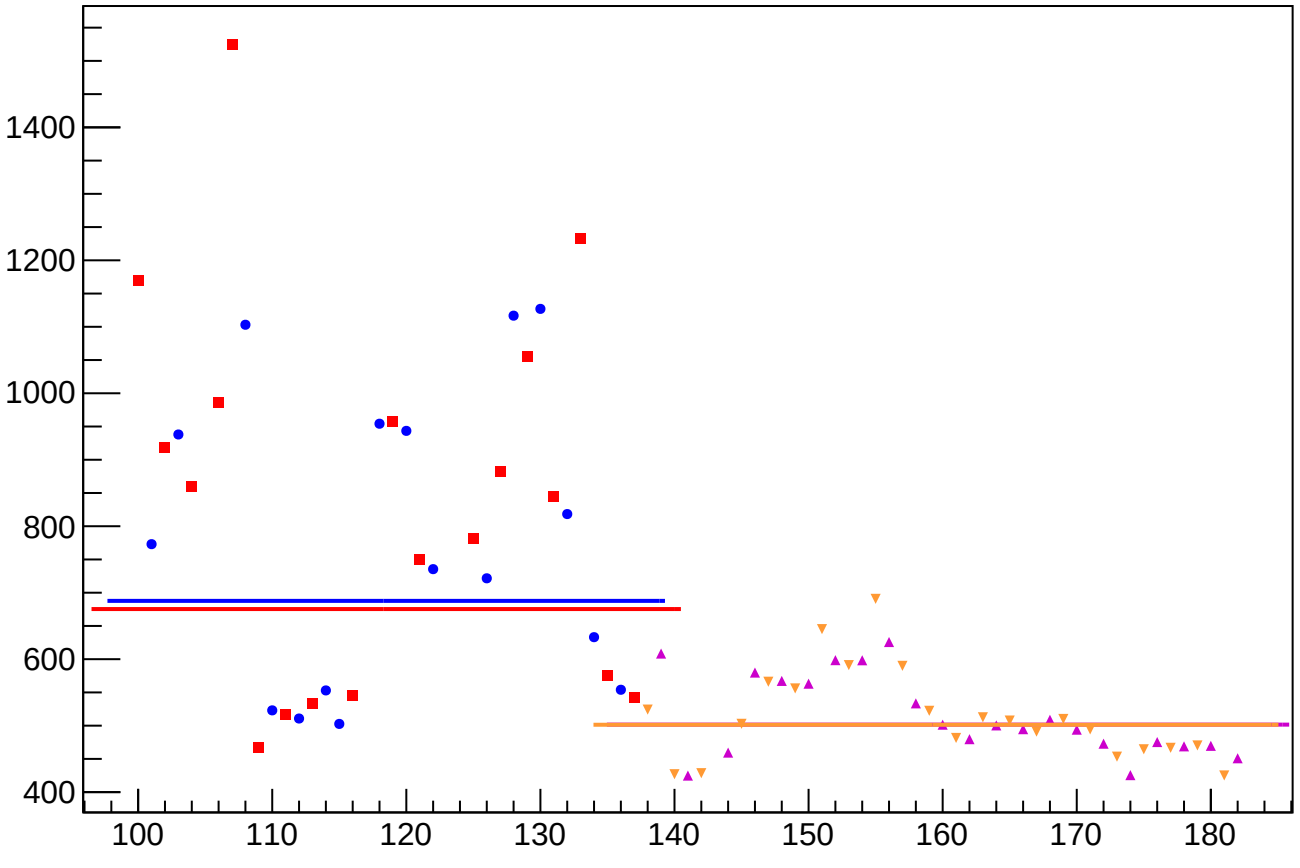
Left: -189.643+/-84.868 χ^2/NDF: 101.0/43

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

In: 30.845+/-108.724 χ^2/NDF:51.6/37

Out: -317.780+/-109.917 χ^2/NDF:87.0/39

All: -141.565+/-77.298 χ^2/NDF: 143.7/77



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

Left Out: 501.368+/-0.086 χ^2/NDF:504269.3/21

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

Left In: 501.553+/-0.084 χ^2/NDF:466973.7/21

Left: 501.462+/-0.060 χ^2/NDF: 971245.4/43

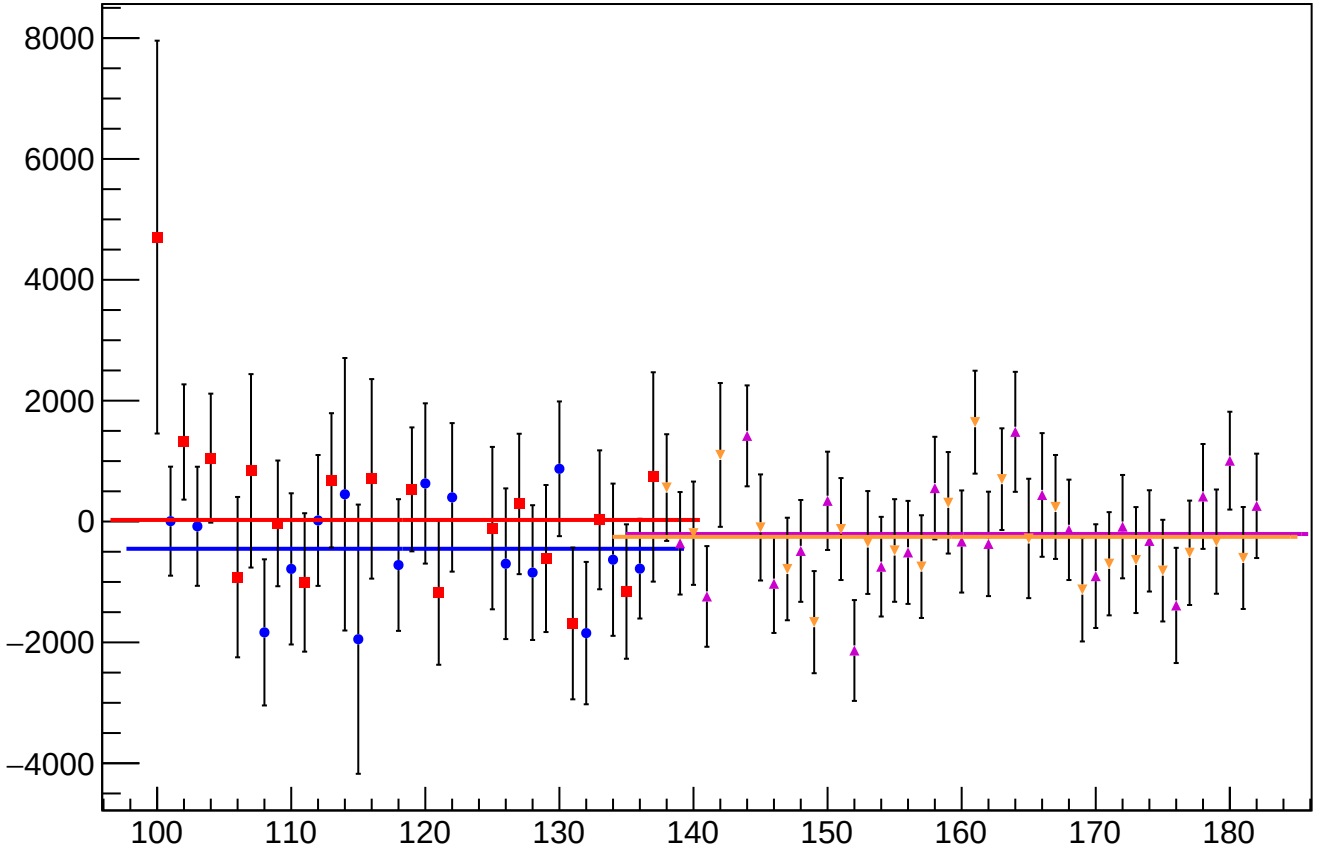
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 532.492+/-0.077 χ^2/NDF:2311419.3/37

Out: 531.789+/-0.078 χ^2/NDF:2540532.8/39

All: 532.145+/-0.055 χ^2/NDF: 4851993.5/77

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -253.465+/-185.319 χ^2/NDF:15.1/21

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

Left In: -206.656+/-182.688 χ^2/NDF:22.3/21

Left: -229.726+/-130.100 χ^2/NDF: 37.4/43

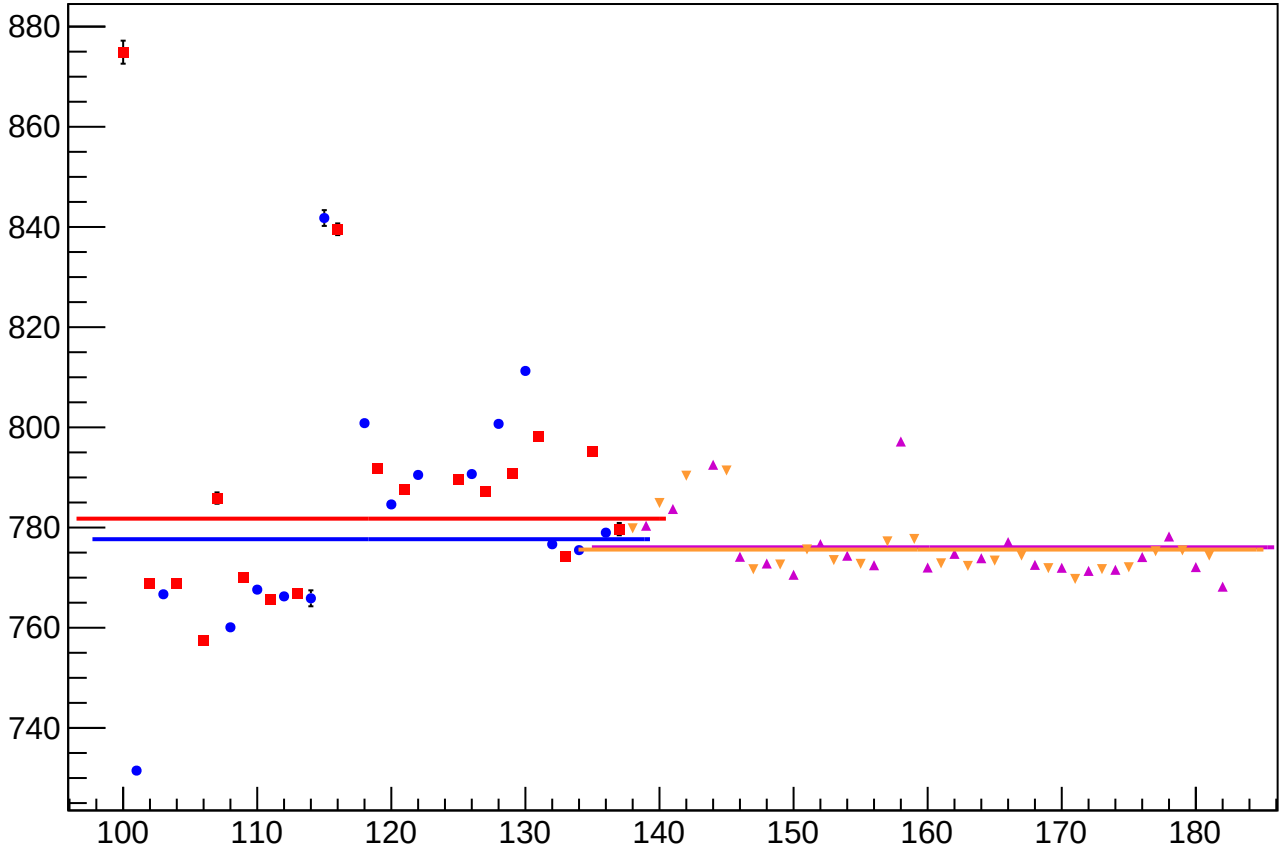
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -276.422+/-154.414 χ^2/NDF:29.7/37

Out: -171.637+/-155.856 χ^2/NDF:27.4/39

All: -224.516+/-109.693 χ^2/NDF: 57.4/77

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 775.606+/-0.131 χ^2/NDF:1634.7/21

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

Left In: 776.056+/-0.129 χ^2/NDF:2907.6/21

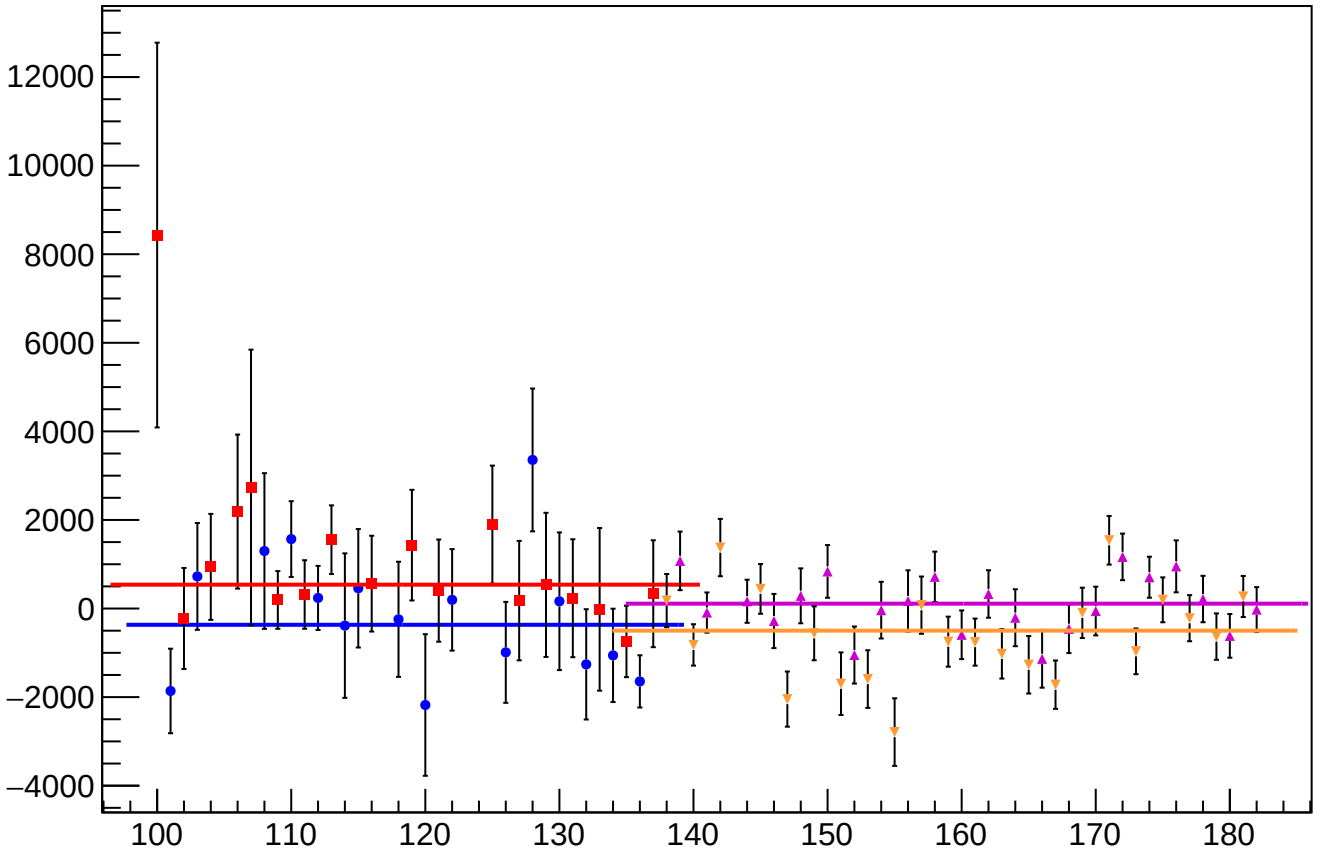
Left: 775.834+/-0.092 χ^2/NDF: 4548.3/43

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

In: 776.518+/-0.109 χ^2/NDF:15007.8/37

Out: 777.412+/-0.110 χ^2/NDF:9910.0/39

All: 776.961+/-0.078 χ^2/NDF: 24951.0/77



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

Left Out: -499.237+/-120.999 χ^2/NDF:62.5/21

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

Left In: 110.145+/-119.068 χ^2/NDF:25.7/21

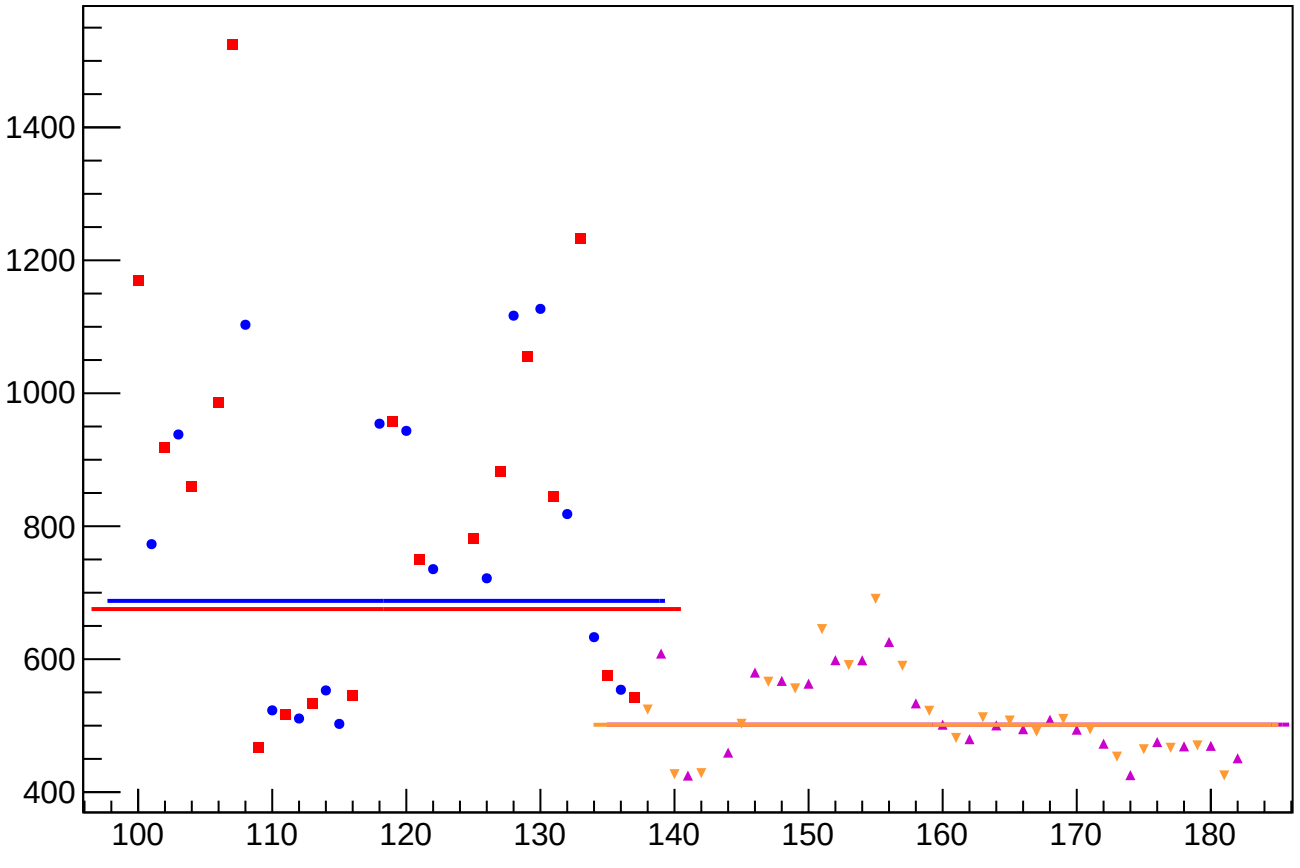
Left: -189.643+/-84.868 χ^2/NDF: 101.0/43

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

In: 30.845+/-108.724 χ^2/NDF:51.6/37

Out: -317.780+/-109.917 χ^2/NDF:87.0/39

All: -141.565+/-77.298 χ^2/NDF: 143.7/77



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

Left Out: 501.368+/-0.086 χ^2/NDF:504269.3/21

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

Left In: 501.553+/-0.084 χ^2/NDF:466973.7/21

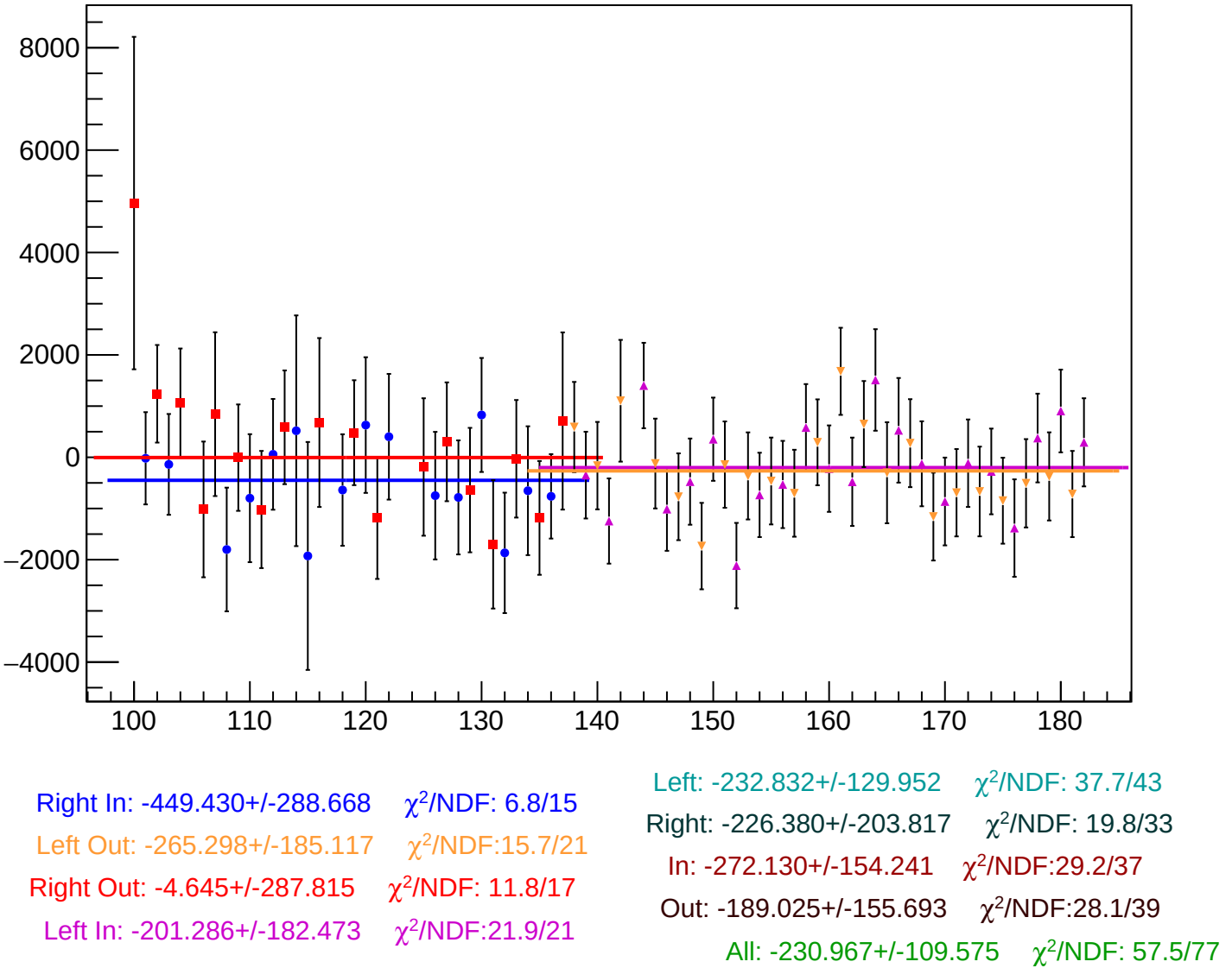
Left: 501.462+/-0.060 χ^2/NDF: 971245.4/43

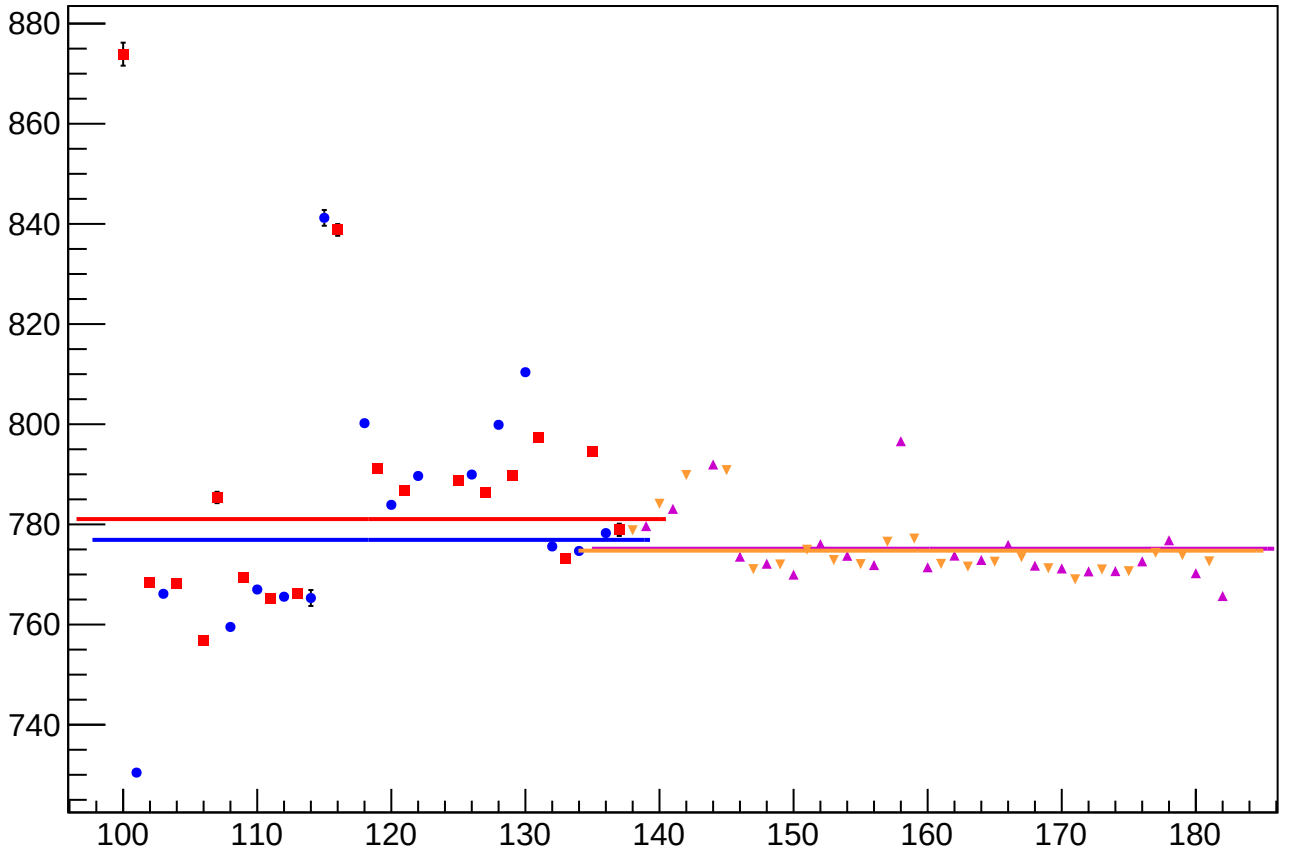
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 532.492+/-0.077 χ^2/NDF:2311419.3/37

Out: 531.789+/-0.078 χ^2/NDF:2540532.8/39

All: 532.145+/-0.055 χ^2/NDF: 4851993.5/77


overload_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: -449.430+/-288.668 χ²/NDF: 6.8/15
Left Out: -265.298+/-185.117 χ²/NDF:15.7/21
Right Out: -4.645+/-287.815 χ²/NDF: 11.8/17
Left In: -201.286+/-182.473 χ²/NDF:21.9/21
Left: -232.832+/-129.952 χ²/NDF: 37.7/43
Right: -226.380+/-203.817 χ²/NDF: 19.8/33
In: -272.130+/-154.241 χ²/NDF:29.2/37
Out: -189.025+/-155.693 χ²/NDF:28.1/39
All: -230.967+/-109.575 χ²/NDF: 57.5/77



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

Left Out: 774.757+/-0.131 χ^2/NDF:1678.5/21

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

Left In: 775.143+/-0.129 χ^2/NDF:3063.2/21

Left: 774.953+/-0.092 χ^2/NDF: 4746.1/43

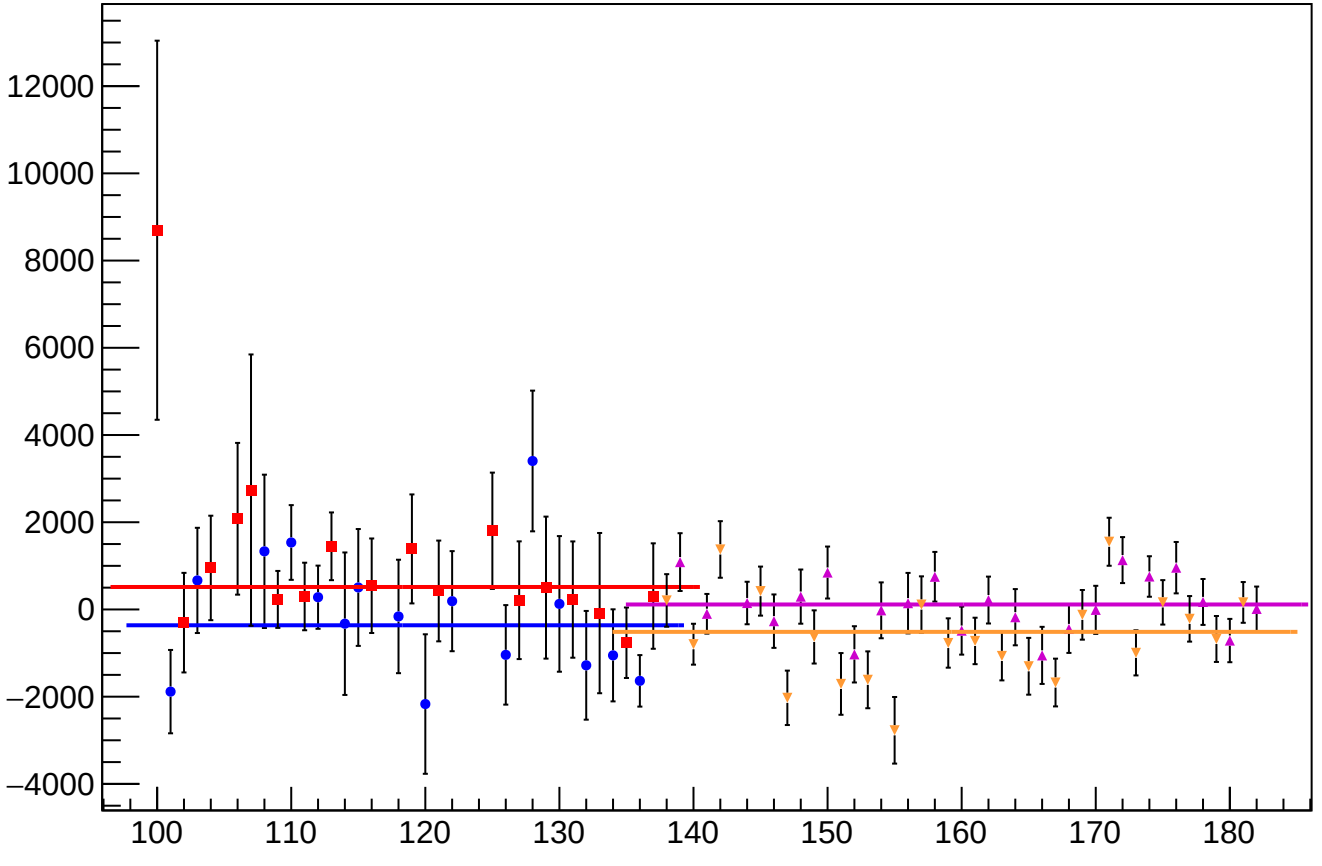
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 775.648+/-0.109 χ^2/NDF:15240.5/37

Out: 776.602+/-0.110 χ^2/NDF:9943.0/39

All: 776.120+/-0.077 χ^2/NDF: 25221.4/77

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: -513.679+/-121.359 χ^2/NDF:61.3/21

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

Left In: 114.170+/-119.446 χ^2/NDF:25.0/21

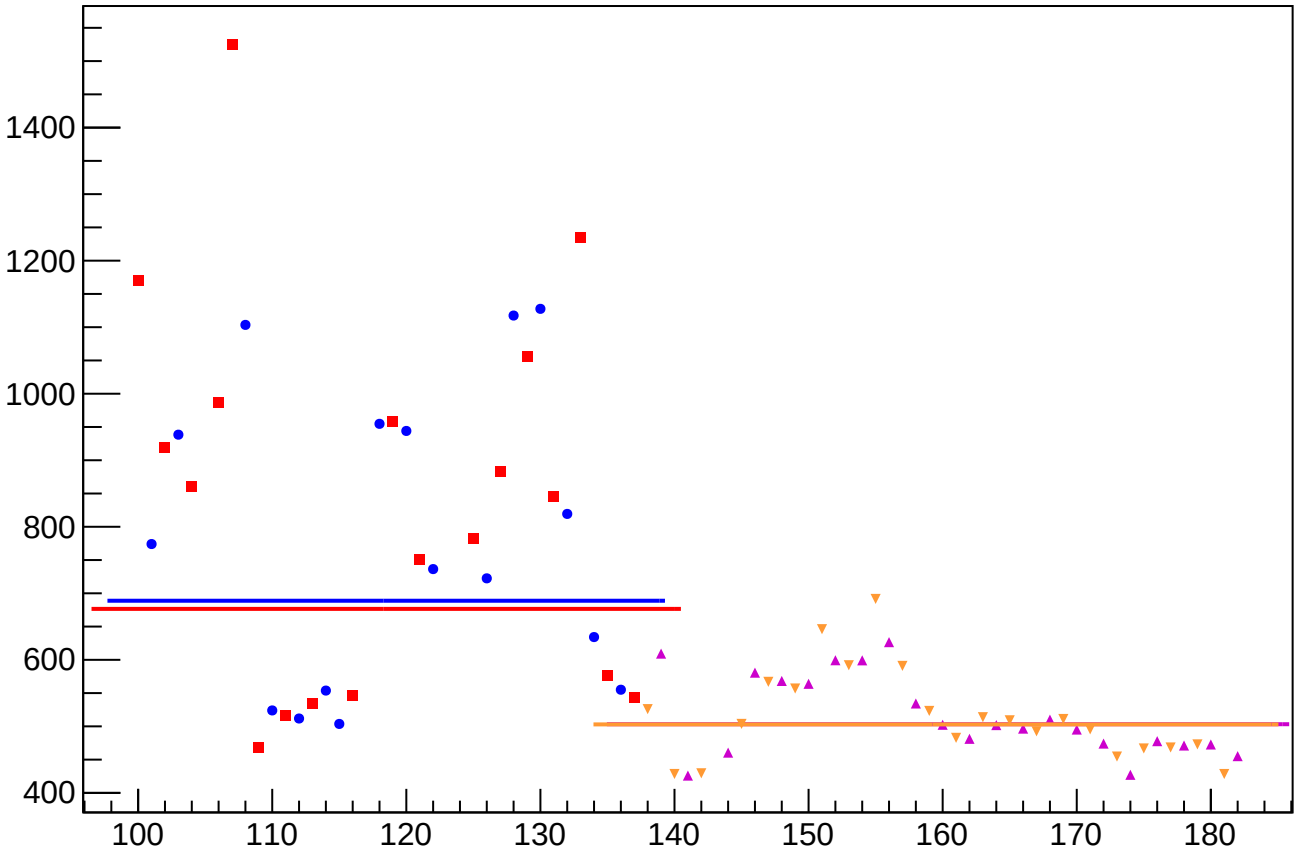
Left: -194.766+/-85.130 χ^2/NDF: 99.9/43

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

In: 34.672+/-109.039 χ^2/NDF:51.0/37

Out: -333.385+/-110.216 χ^2/NDF:85.3/39

All: -147.381+/-77.515 χ^2/NDF: 142.0/77



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

Left Out: 502.938+/-0.086 χ^2/NDF:495292.8/21

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

Left In: 503.221+/-0.084 χ^2/NDF:457842.8/21

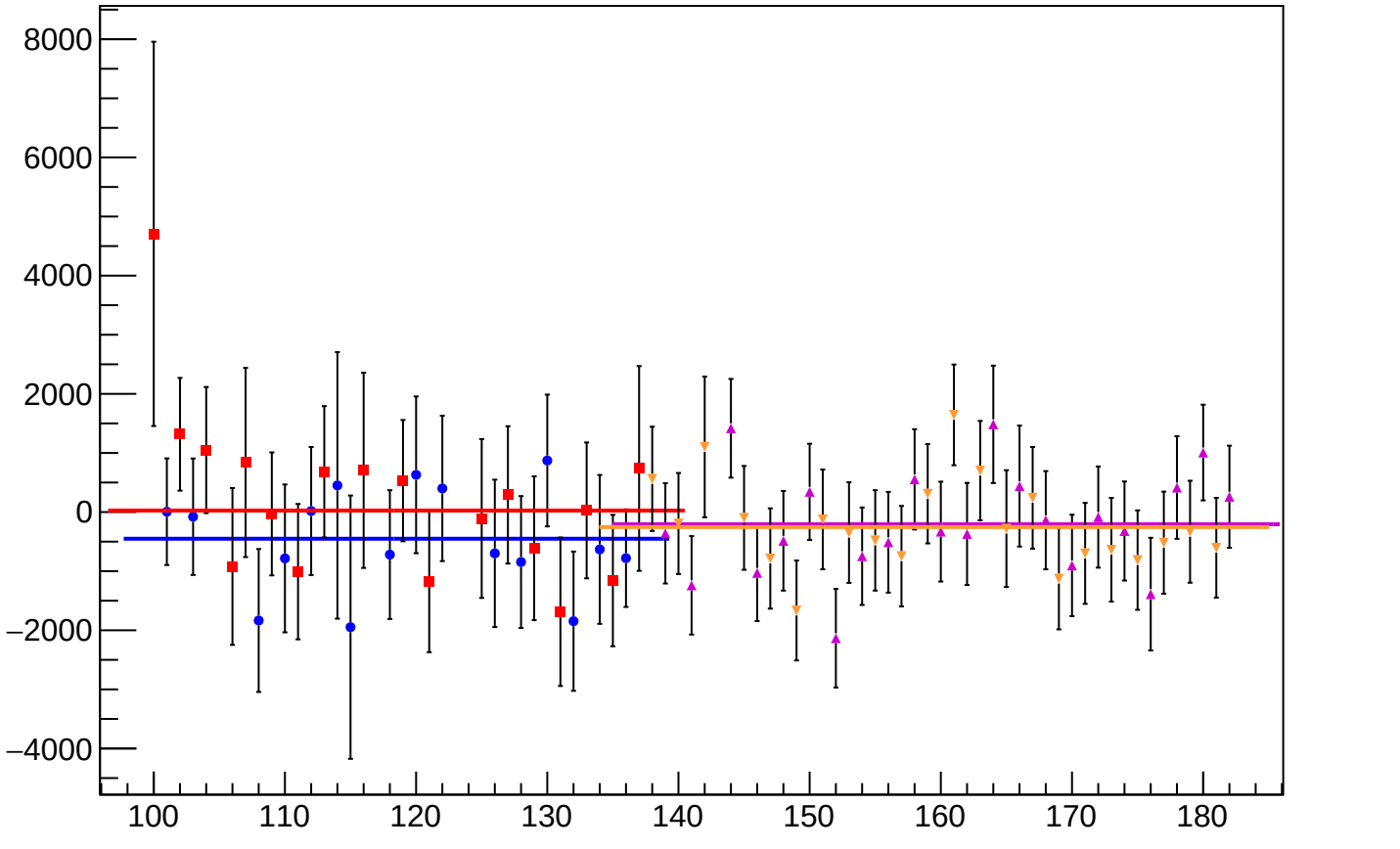
Left: 503.082+/-0.060 χ^2/NDF: 953141.2/43

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

In: 534.157+/-0.077 χ^2/NDF:2290847.5/37

Out: 533.361+/-0.078 χ^2/NDF:2520682.3/39

All: 533.763+/-0.055 χ^2/NDF: 4811582.5/77



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

Left Out: -253.465+/-185.319 χ^2/NDF:15.1/21

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

Left In: -206.656+/-182.688 χ^2/NDF:22.3/21

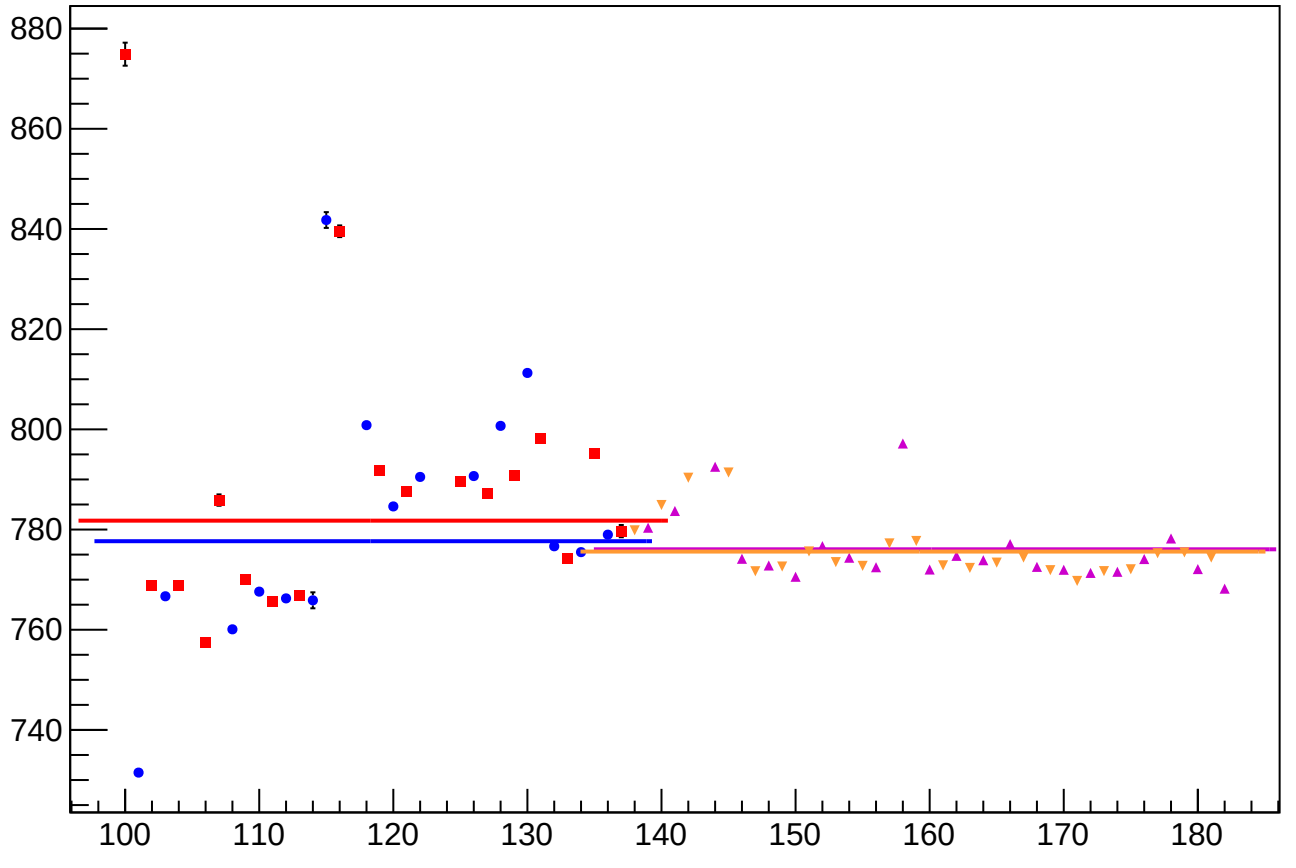
Left: -229.726+/-130.100 χ^2/NDF: 37.4/43

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

In: -276.422+/-154.414 χ^2/NDF:29.7/37

Out: -171.637+/-155.856 χ^2/NDF:27.4/39

All: -224.516+/-109.693 χ^2/NDF: 57.4/77



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

Left Out: 775.606+/-0.131 χ^2/NDF:1634.7/21

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

Left In: 776.056+/-0.129 χ^2/NDF:2907.6/21

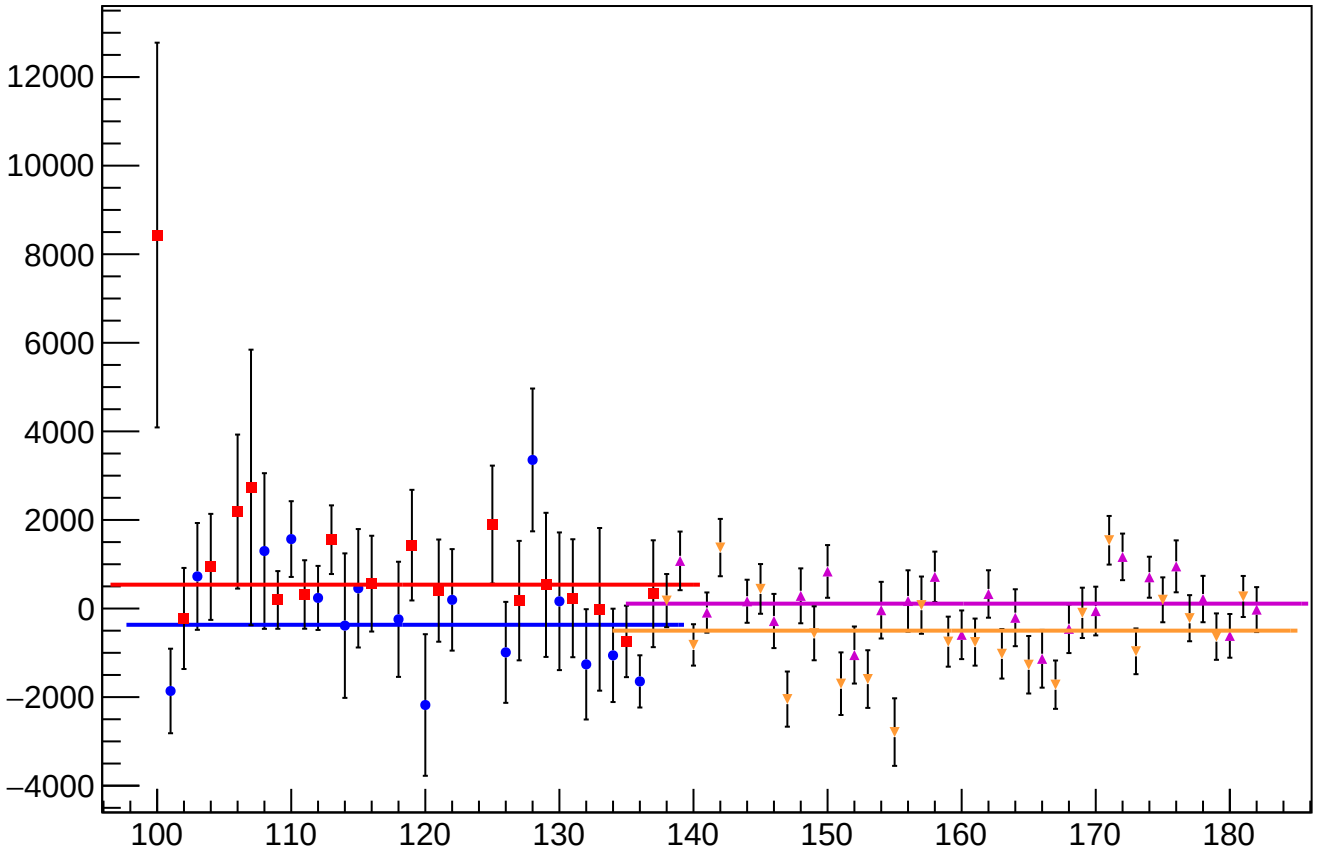
Left: 775.834+/-0.092 χ^2/NDF: 4548.3/43

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

In: 776.518+/-0.109 χ^2/NDF:15007.8/37

Out: 777.412+/-0.110 χ^2/NDF:9910.0/39

All: 776.961+/-0.078 χ^2/NDF: 24951.0/77



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

Left Out: -499.237+/-120.999 χ^2/NDF:62.5/21

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

Left In: 110.145+/-119.068 χ^2/NDF:25.7/21

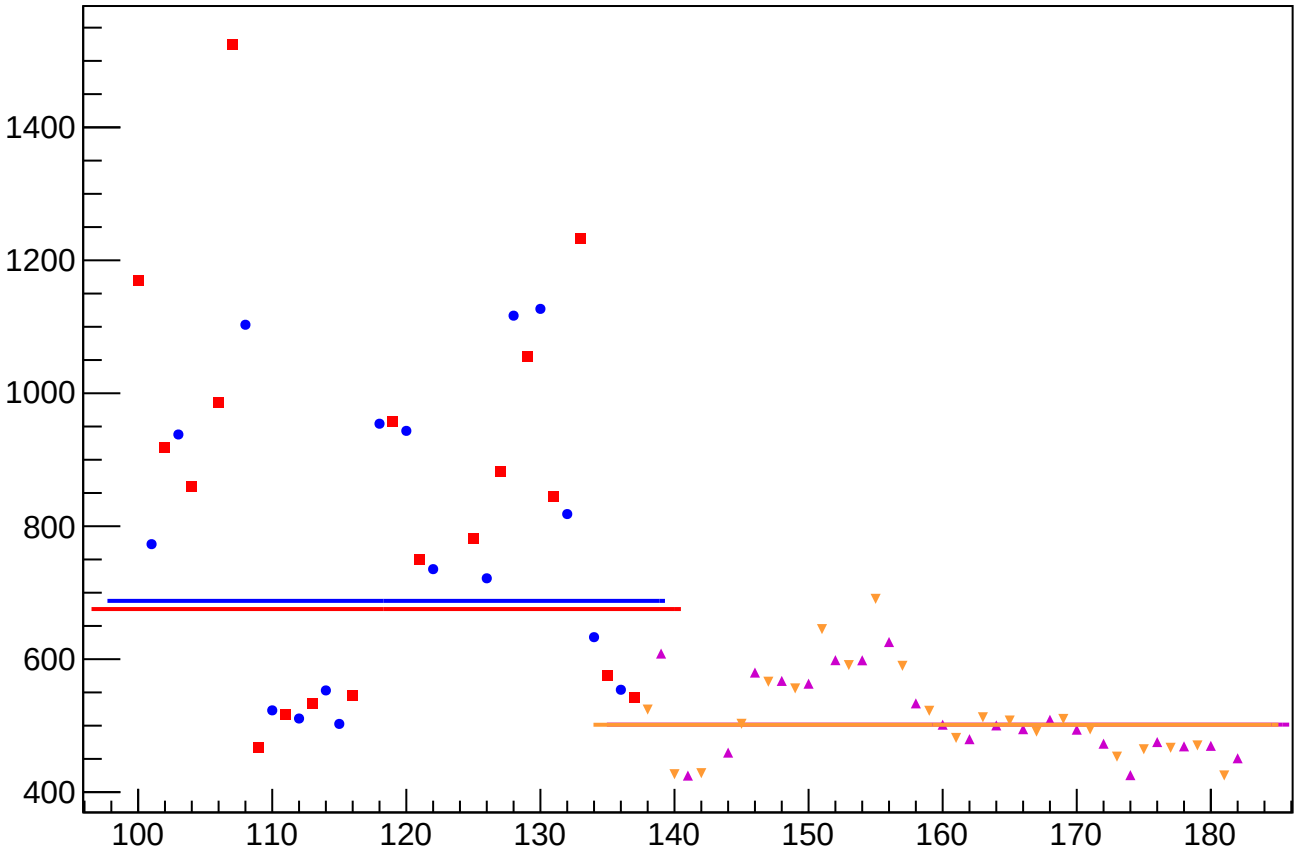
Left: -189.643+/-84.868 χ^2/NDF: 101.0/43

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

In: 30.845+/-108.724 χ^2/NDF:51.6/37

Out: -317.780+/-109.917 χ^2/NDF:87.0/39

All: -141.565+/-77.298 χ^2/NDF: 143.7/77



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

Left Out: 501.368+/-0.086 χ^2/NDF:504269.3/21

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

Left In: 501.553+/-0.084 χ^2/NDF:466973.7/21

Left: 501.462+/-0.060 χ^2/NDF: 971245.4/43

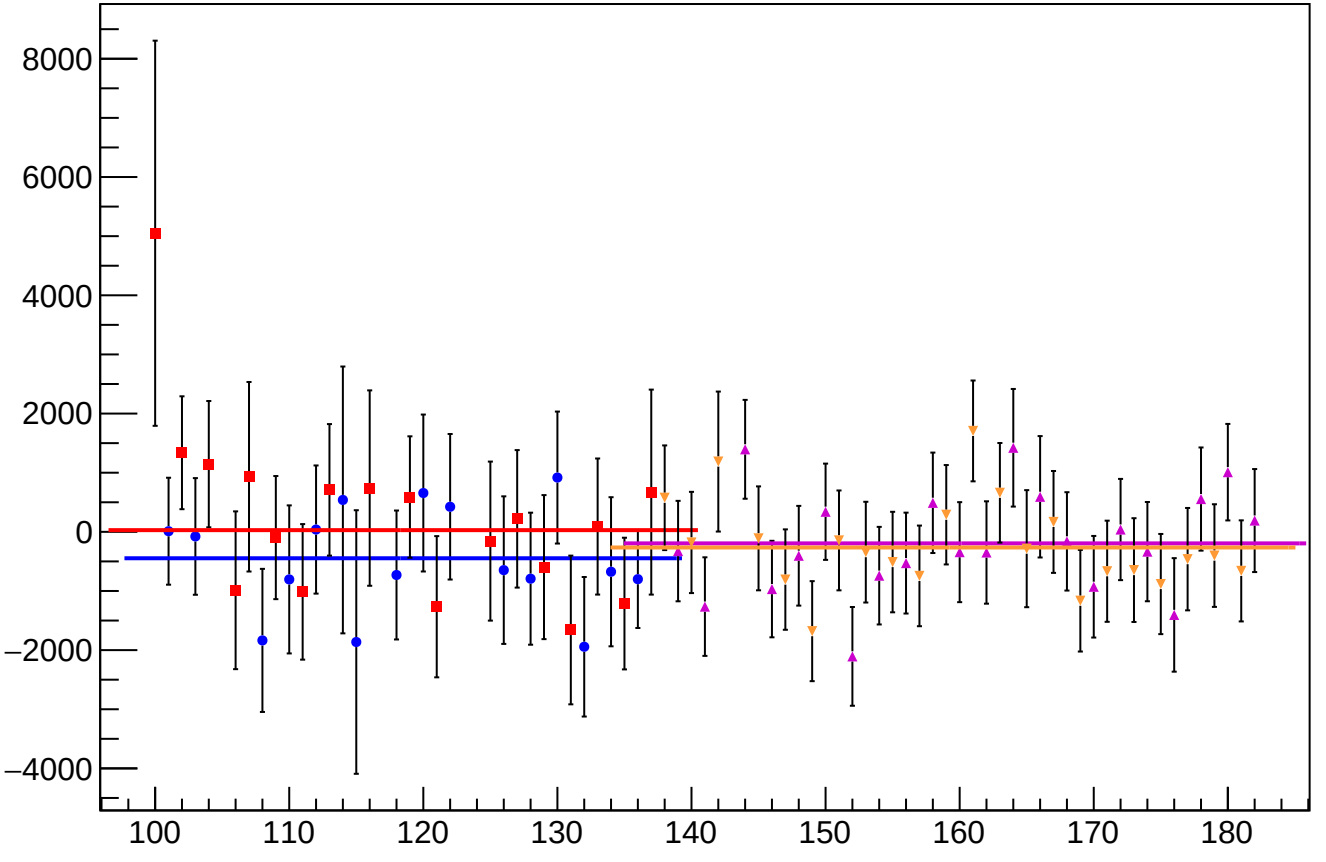
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 532.492+/-0.077 χ^2/NDF:2311419.3/37

Out: 531.789+/-0.078 χ^2/NDF:2540532.8/39

All: 532.145+/-0.055 χ^2/NDF: 4851993.5/77

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -264.554+/-185.694 χ^2/NDF:15.7/21

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

Left In: -195.150+/-183.065 χ^2/NDF:22.0/21

Left: -229.357+/-130.366 χ^2/NDF: 37.7/43

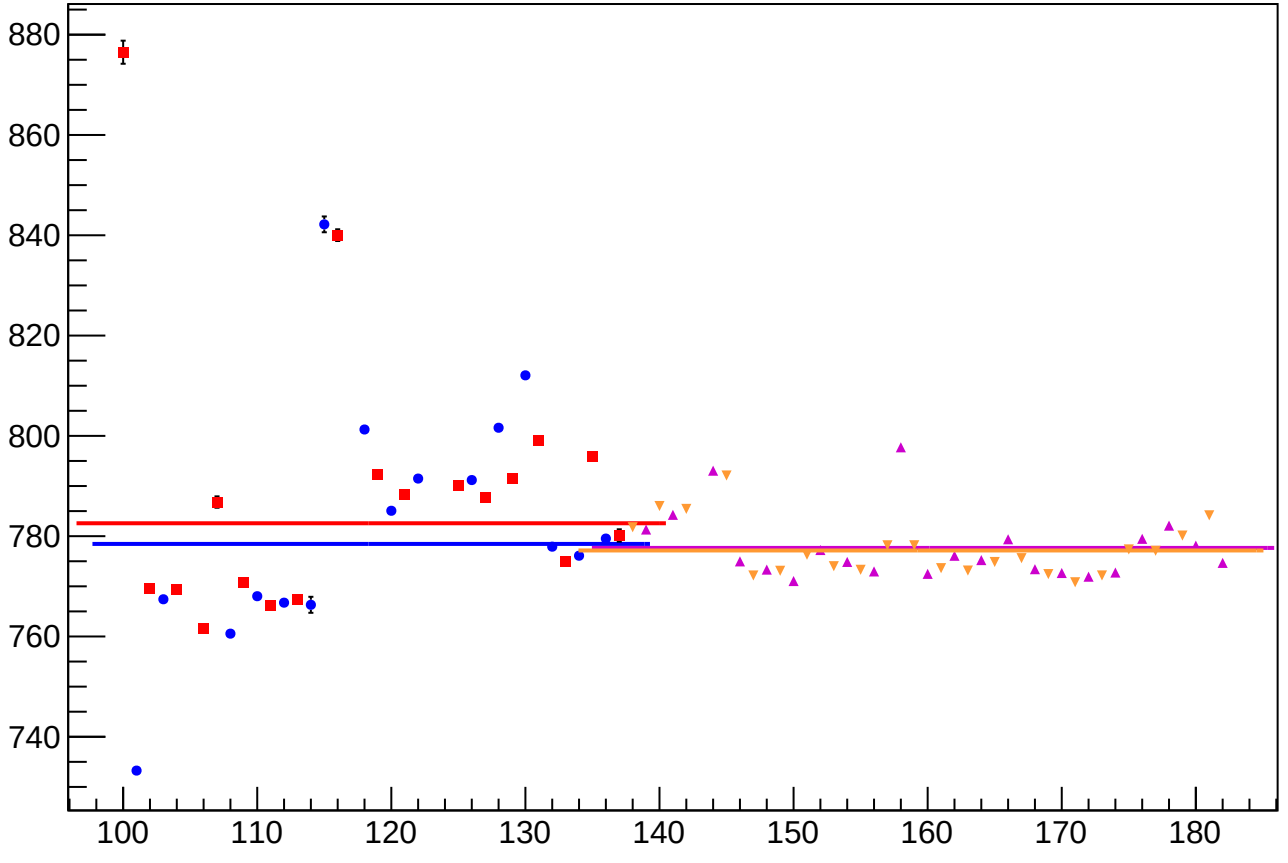
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -267.085+/-154.686 χ^2/NDF:29.8/37

Out: -178.572+/-156.125 χ^2/NDF:29.0/39

All: -223.238+/-109.885 χ^2/NDF: 59.0/77

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.152+/-0.131 χ^2/NDF:1626.6/21

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

Left In: 777.659+/-0.129 χ^2/NDF:2707.8/21

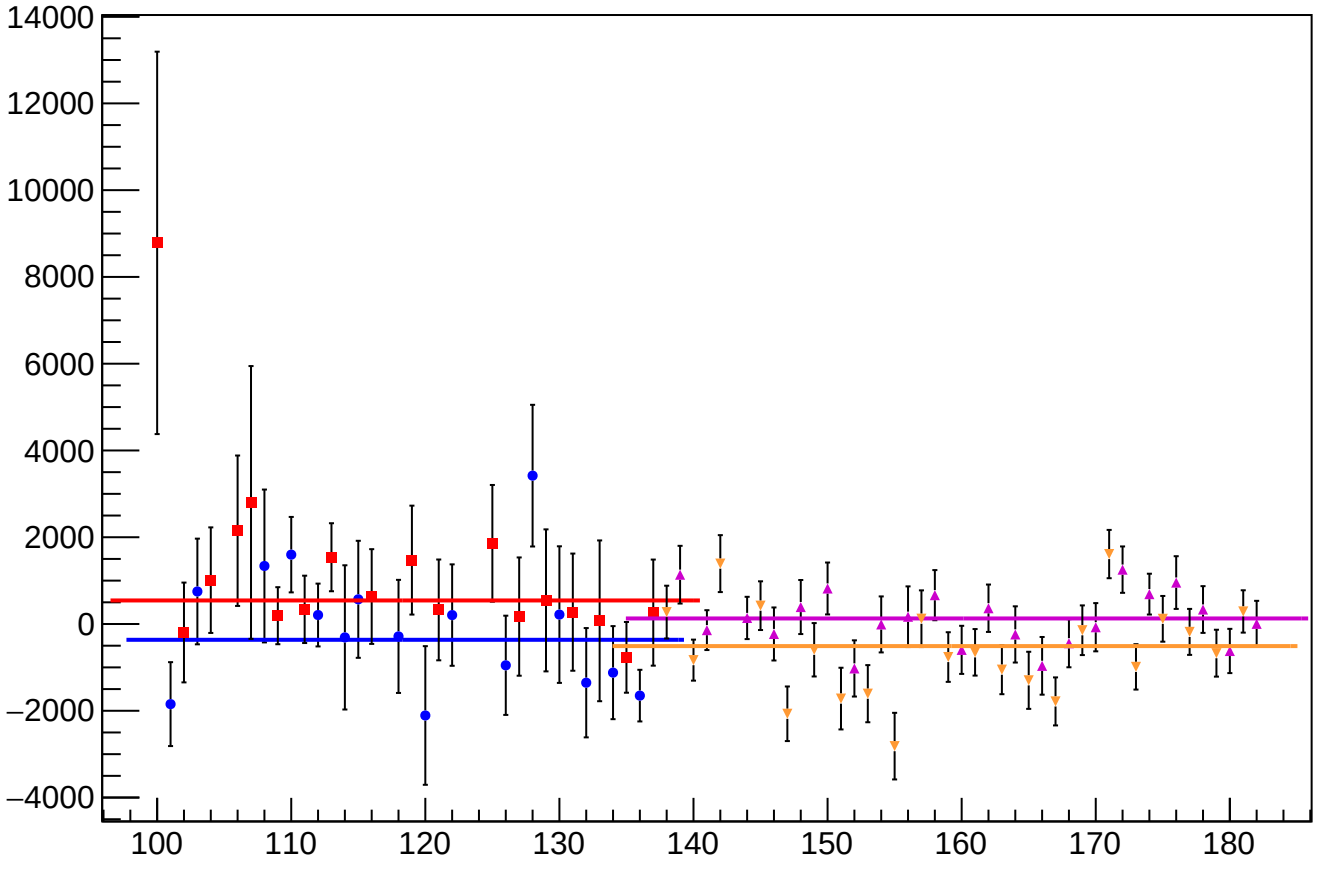
Left: 777.409+/-0.092 χ^2/NDF: 4341.9/43

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

In: 777.887+/-0.109 χ^2/NDF:14513.8/37

Out: 778.742+/-0.110 χ^2/NDF:9608.0/39

All: 778.310+/-0.078 χ^2/NDF: 24152.1/77



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

Left Out: -509.109+/-122.984 χ^2/NDF:63.3/21

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

Left In: 127.903+/-120.894 χ^2/NDF:24.7/21

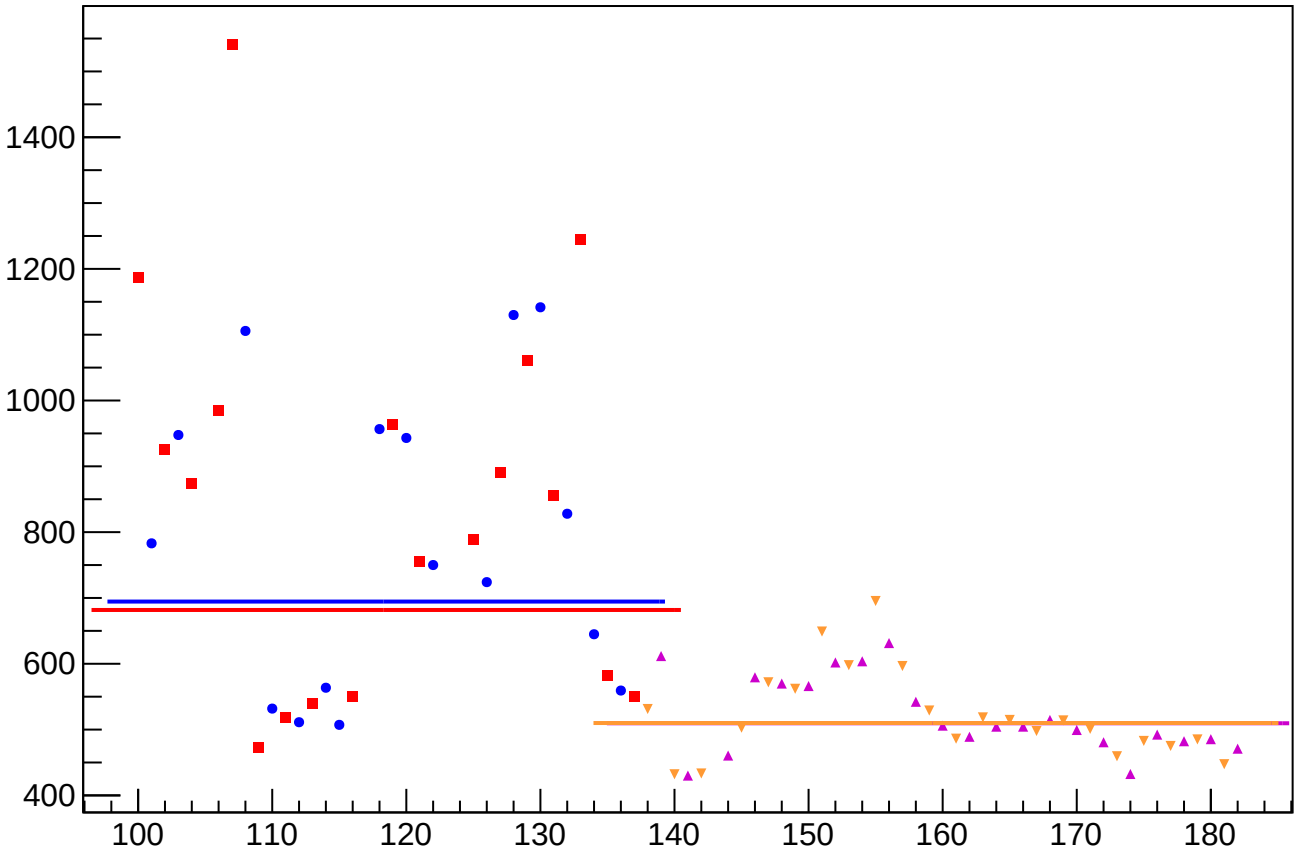
Left: -185.143+/-86.214 χ^2/NDF: 101.7/43

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

In: 45.410+/-110.291 χ^2/NDF:50.8/37

Out: -323.000+/-111.576 χ^2/NDF:88.1/39

All: -136.661+/-78.438 χ^2/NDF: 144.4/77



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

Left Out: 509.971+/-0.087 χ^2/NDF:459815.3/21

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

Left In: 509.614+/-0.085 χ^2/NDF:425941.0/21

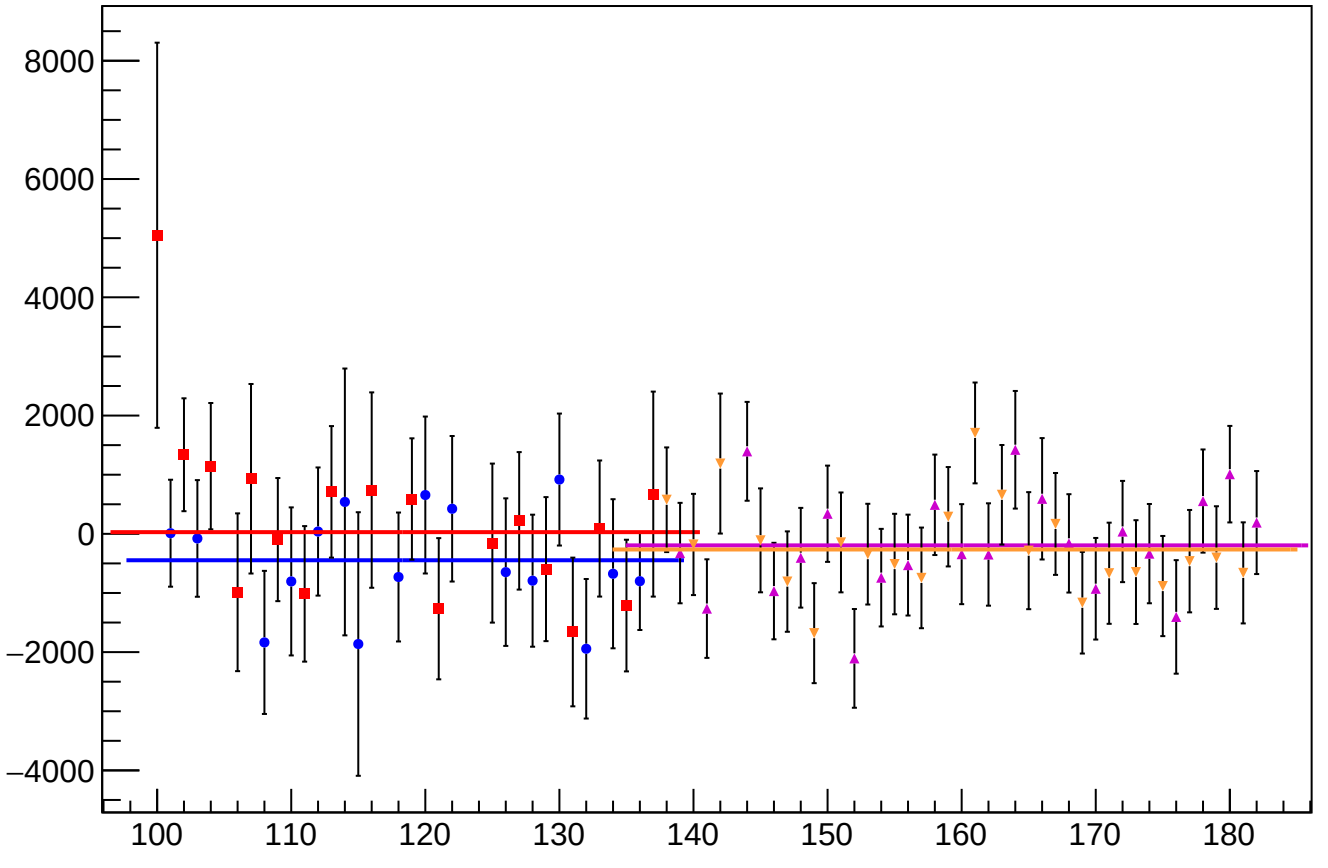
Left: 509.790+/-0.061 χ^2/NDF: 885764.8/43

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

In: 540.625+/-0.078 χ^2/NDF:2240507.9/37

Out: 540.360+/-0.079 χ^2/NDF:2461370.7/39

All: 540.494+/-0.055 χ^2/NDF: 4701884.3/77



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

Left Out: -264.555+/-185.694 χ^2/NDF:15.7/21

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

Left In: -195.149+/-183.065 χ^2/NDF:22.0/21

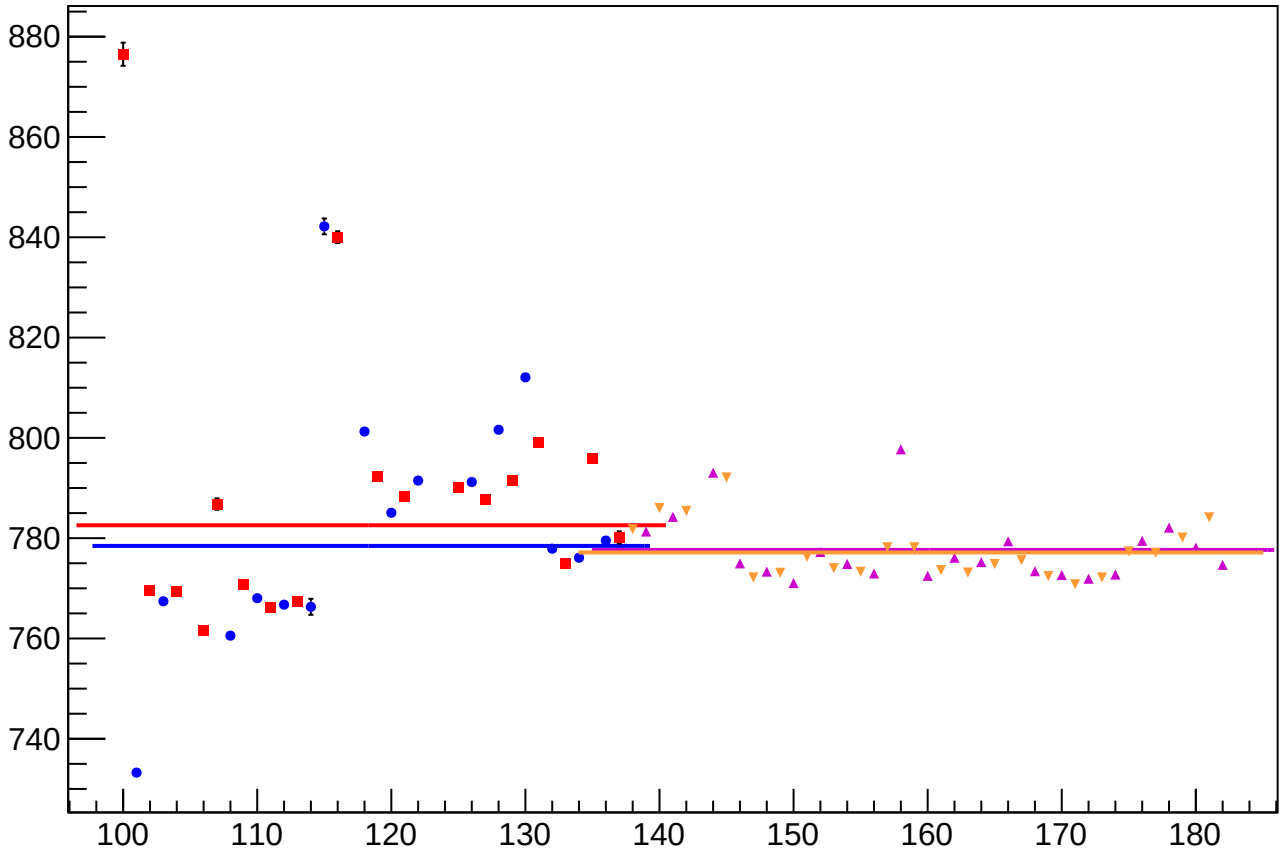
Left: -229.357+/-130.366 χ^2/NDF: 37.7/43

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

In: -267.085+/-154.686 χ^2/NDF:29.8/37

Out: -178.573+/-156.125 χ^2/NDF:29.0/39

All: -223.238+/-109.885 χ^2/NDF: 59.0/77



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

Left Out: 777.152+/-0.131 χ^2/NDF:1626.6/21

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

Left In: 777.659+/-0.129 χ^2/NDF:2707.8/21

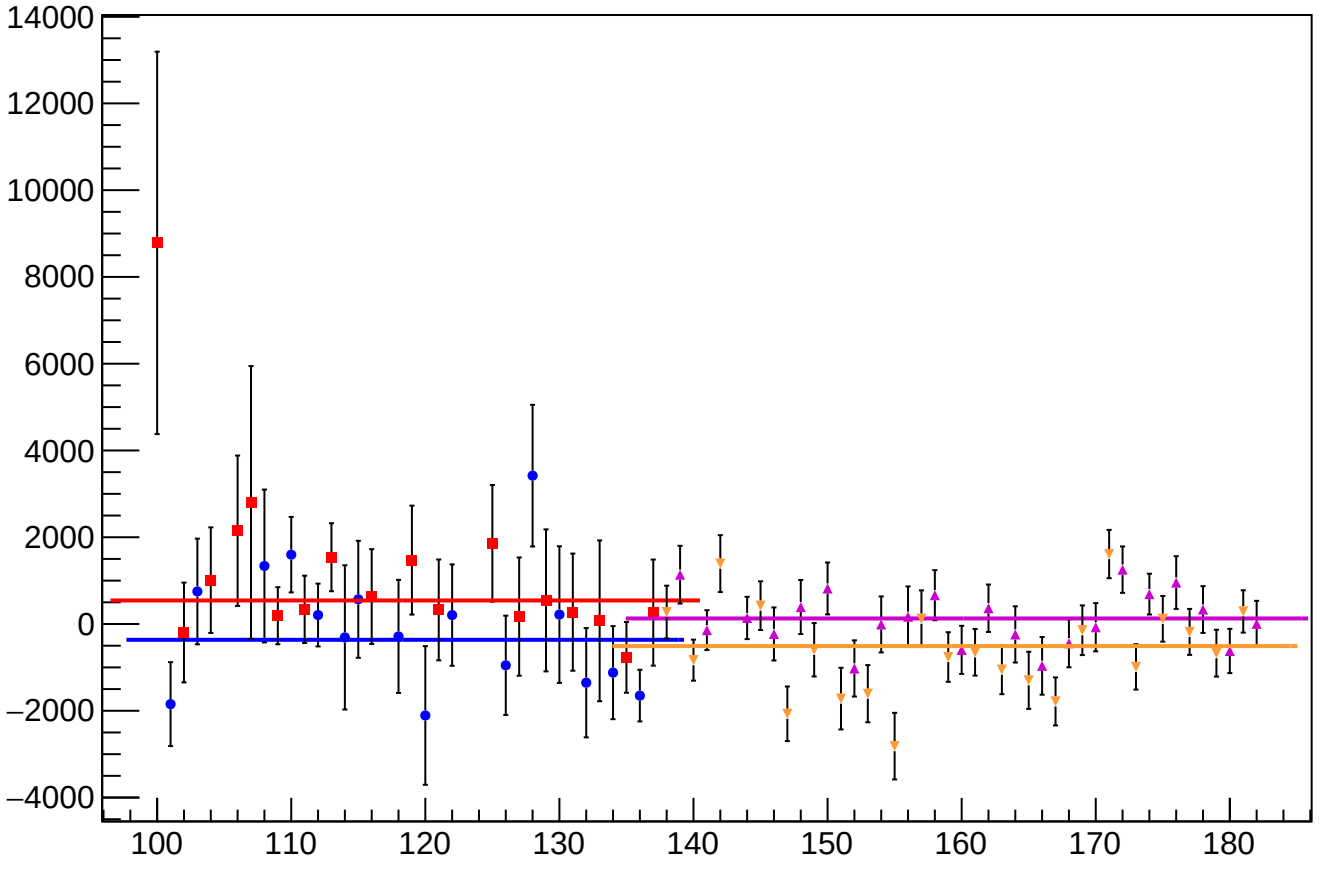
Left: 777.409+/-0.092 χ^2/NDF: 4341.9/43

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

In: 777.887+/-0.109 χ^2/NDF:14513.8/37

Out: 778.742+/-0.110 χ^2/NDF:9608.0/39

All: 778.310+/-0.078 χ^2/NDF: 24152.0/77



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

Left Out: -509.109+/-122.984 χ^2/NDF:63.3/21

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

Left In: 127.903+/-120.894 χ^2/NDF:24.7/21

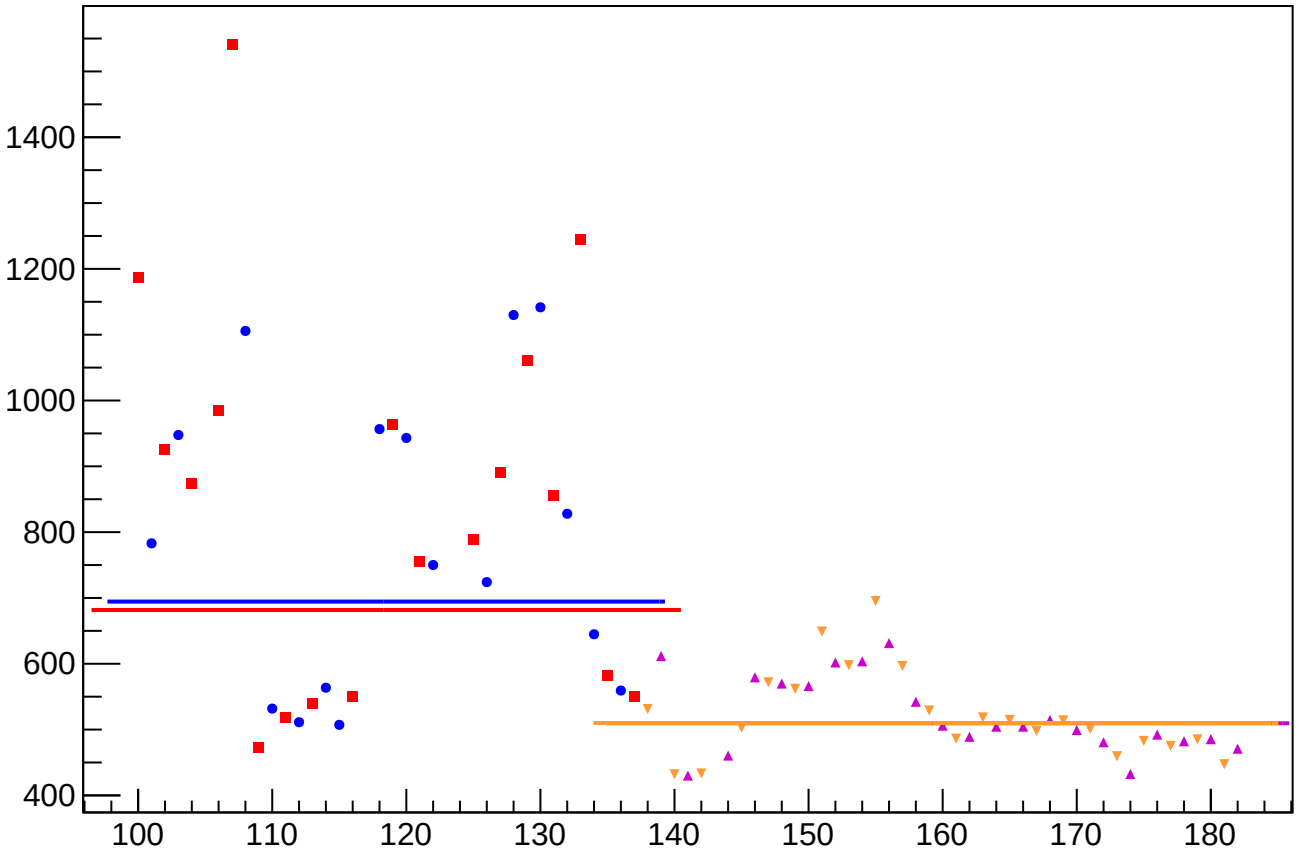
Left: -185.143+/-86.214 χ^2/NDF: 101.7/43

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

In: 45.410+/-110.291 χ^2/NDF:50.8/37

Out: -322.999+/-111.576 χ^2/NDF:88.1/39

All: -136.660+/-78.438 χ^2/NDF: 144.4/77



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

Left Out: 509.972+/-0.087 χ^2/NDF:459824.6/21

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

Left In: 509.614+/-0.085 χ^2/NDF:425955.6/21

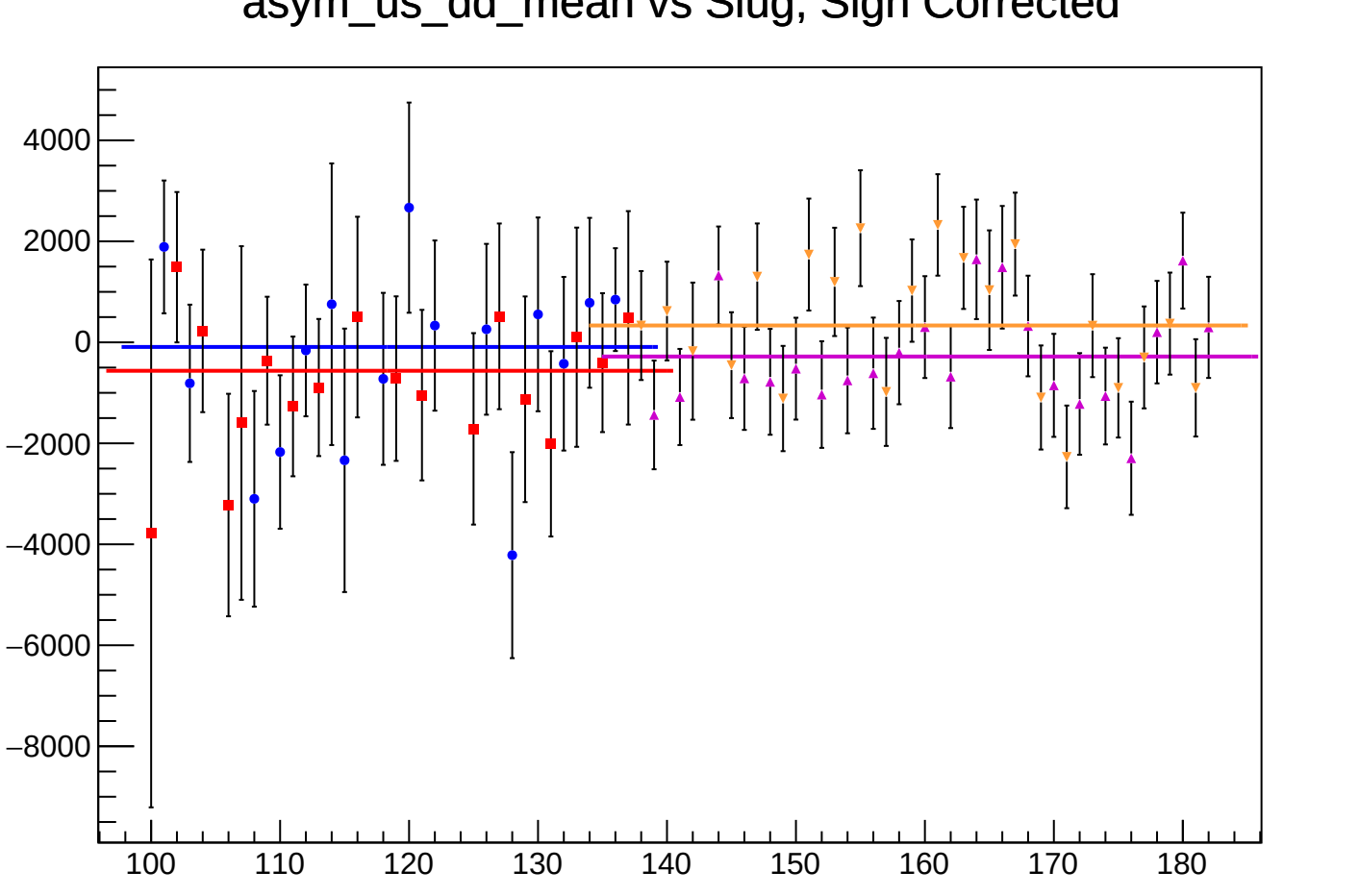
Left: 509.790+/-0.061 χ^2/NDF: 885788.8/43

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

In: 540.625+/-0.078 χ^2/NDF:2240511.3/37

Out: 540.360+/-0.079 χ^2/NDF:2461376.2/39

All: 540.494+/-0.055 χ^2/NDF: 4701893.1/77



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

Left Out: 334.050+/-223.303 χ^2/NDF:31.2/21

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

Left In: -280.941+/-219.660 χ^2/NDF:21.1/21

Left: 21.497+/-156.595 χ^2/NDF: 56.2/43

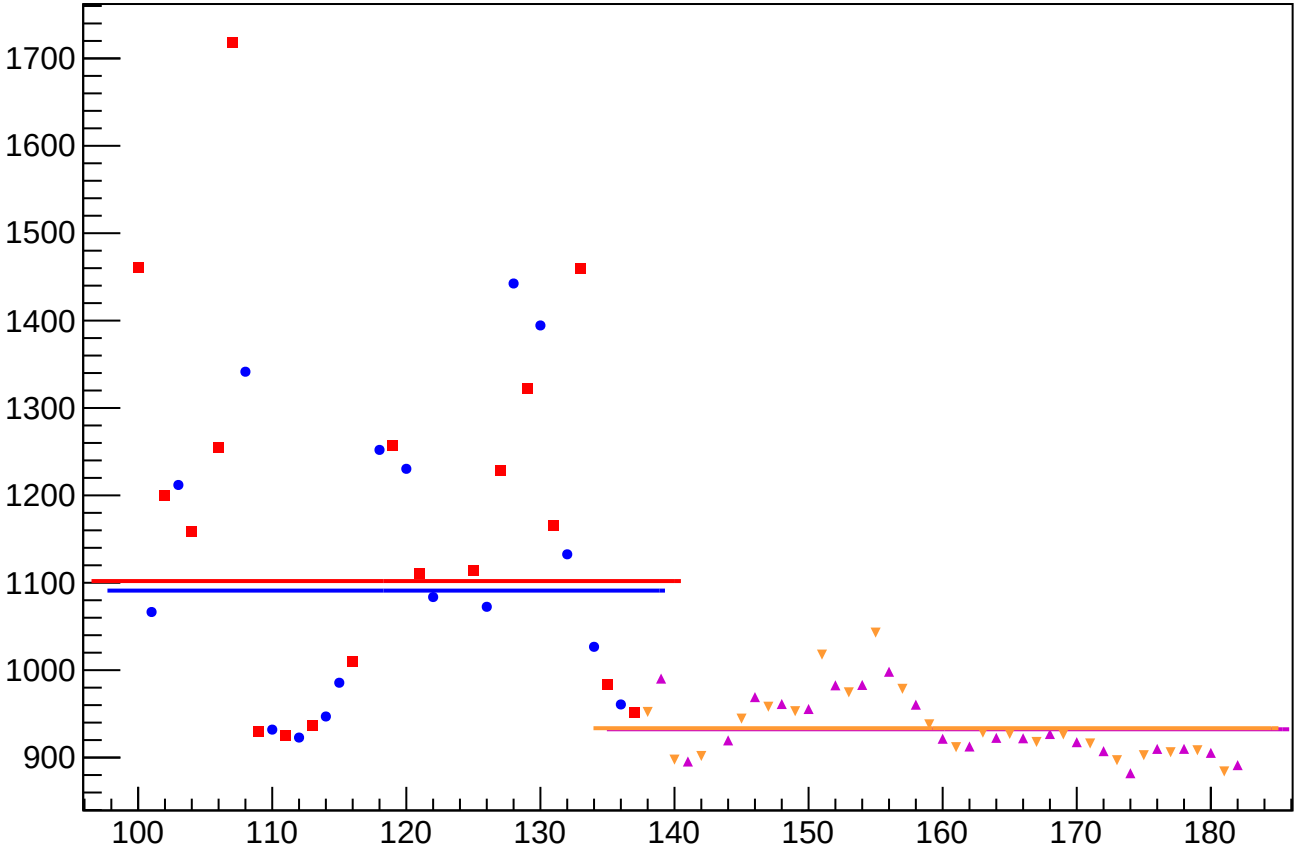
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -238.641+/-193.618 χ^2/NDF:35.8/37

Out: 129.966+/-196.274 χ^2/NDF:41.4/39

All: -56.849+/-137.838 χ^2/NDF: 79.0/77

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 933.574+/-0.158 χ^2/NDF:57387.4/21

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

Left In: 932.362+/-0.155 χ^2/NDF:47433.2/21

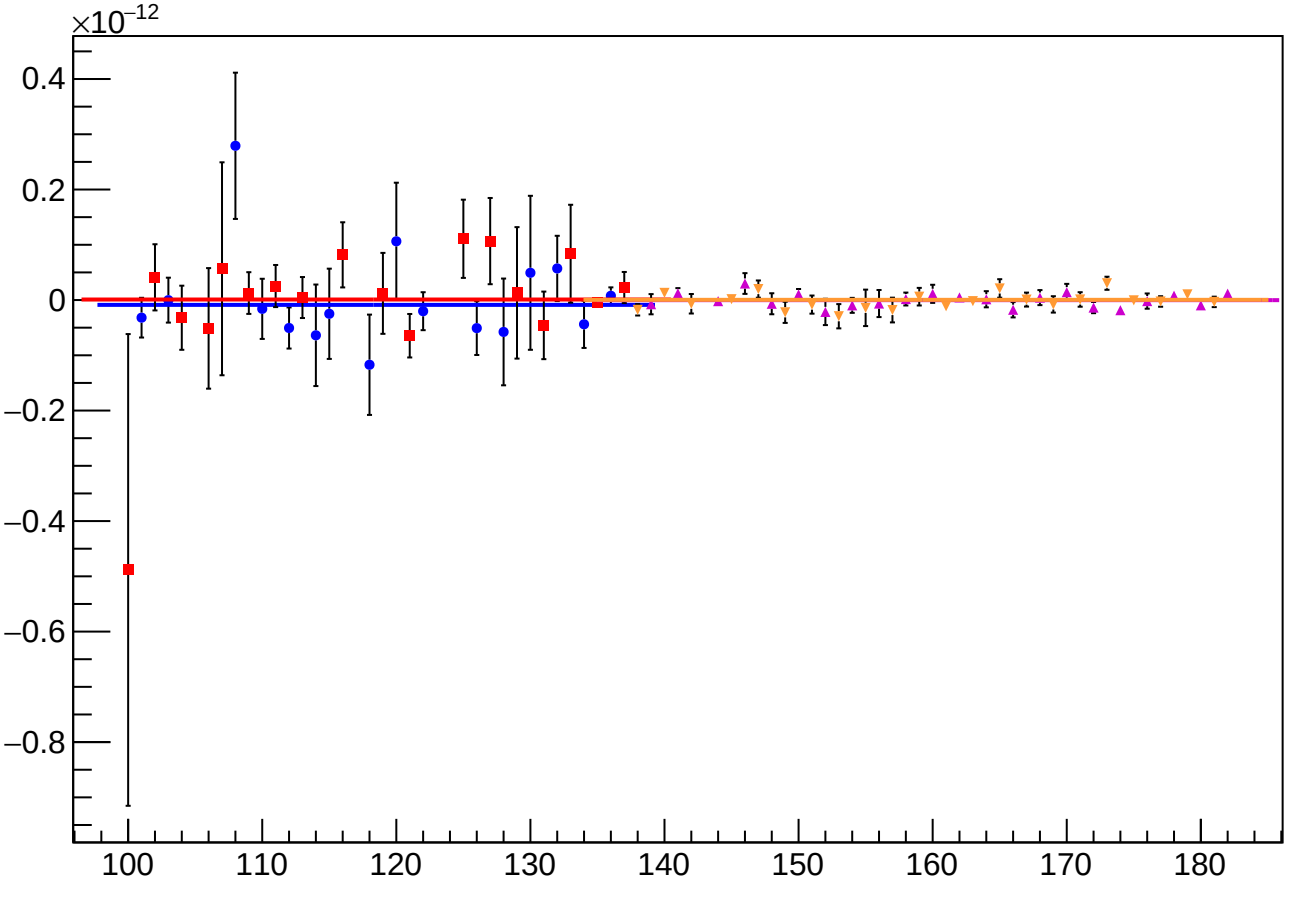
Left: 932.958+/-0.111 χ^2/NDF: 104850.6/43

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

In: 967.757+/-0.137 χ^2/NDF:557536.5/37

Out: 971.869+/-0.139 χ^2/NDF:644116.9/39

All: 969.785+/-0.097 χ^2/NDF: 1202098.3/77



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

Left Out: 0.000+/-0.000 χ^2/NDF:24.2/21

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

Left In: -0.000+/-0.000 χ^2/NDF:22.1/21

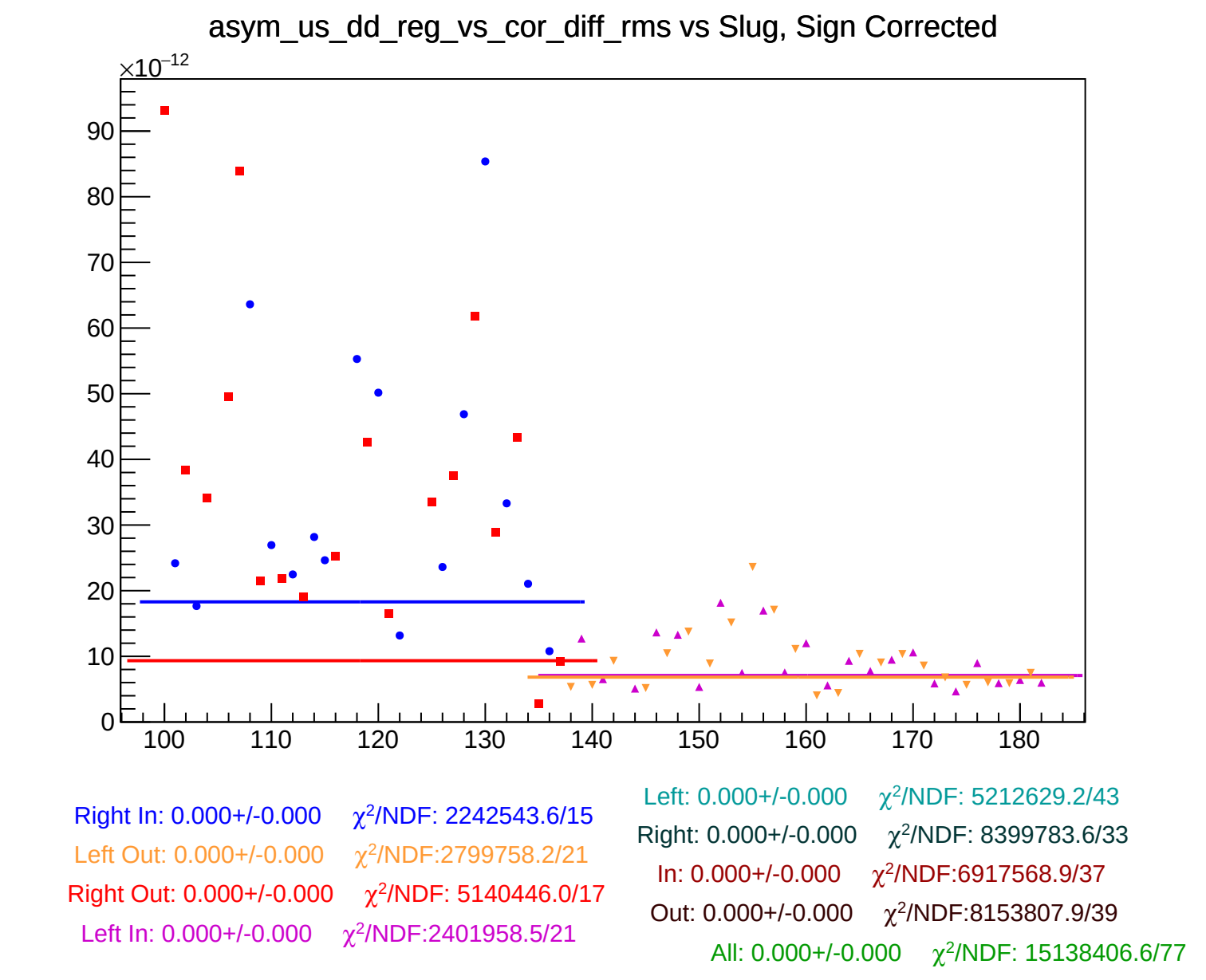
Left: 0.000+/-0.000 χ^2/NDF: 46.3/43

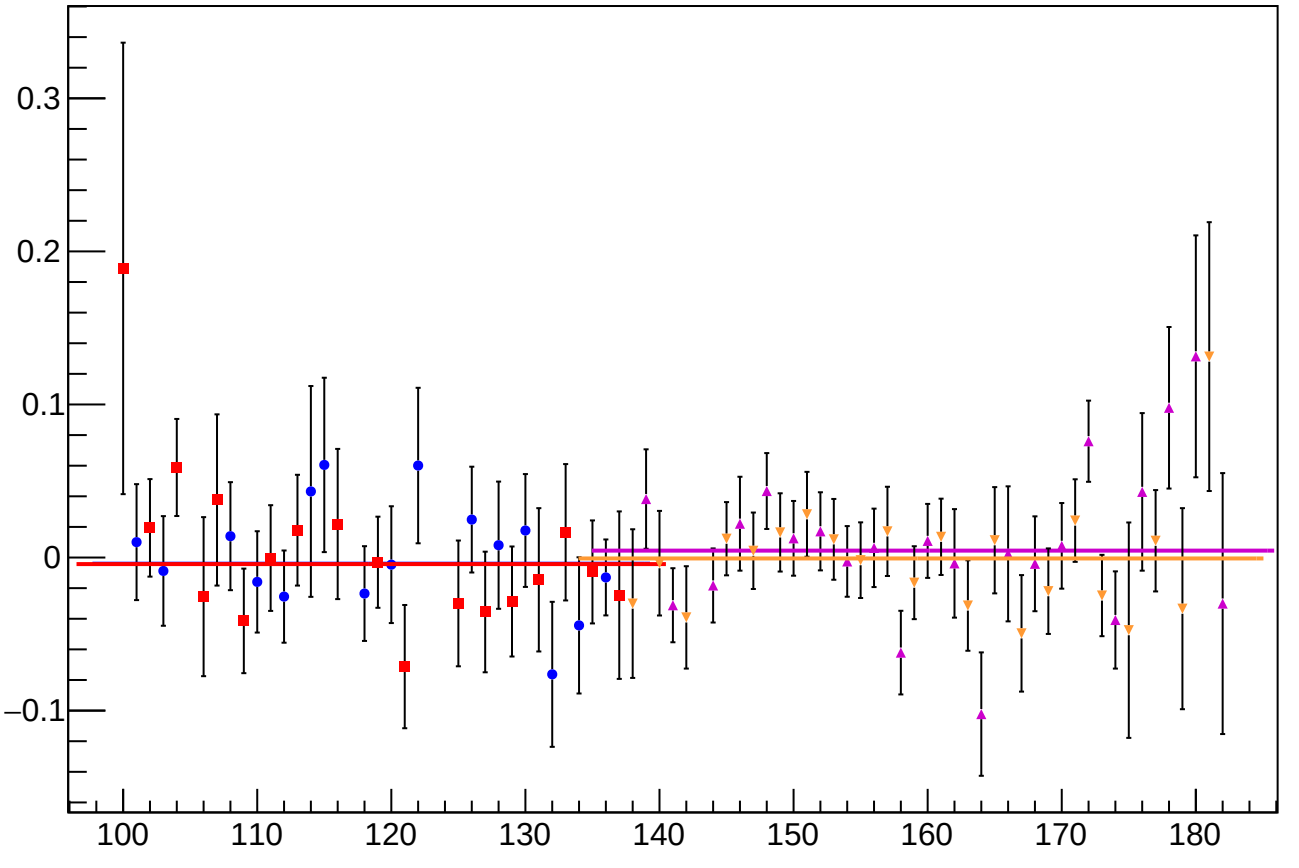
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: -0.000+/-0.000 χ^2/NDF:36.6/37

Out: 0.000+/-0.000 χ^2/NDF:38.5/39

All: -0.000+/-0.000 χ^2/NDF: 75.2/77


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2799758.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:2401958.5/21
Left: 0.000+/-0.000 χ²/NDF: 5212629.2/43
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:6917568.9/37
Out: 0.000+/-0.000 χ²/NDF:8153807.9/39
All: 0.000+/-0.000 χ²/NDF: 15138406.6/77



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

Left Out: -0.001+/-0.006 χ^2/NDF:13.1/21

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

Left In: 0.005+/-0.006 χ^2/NDF:36.3/21

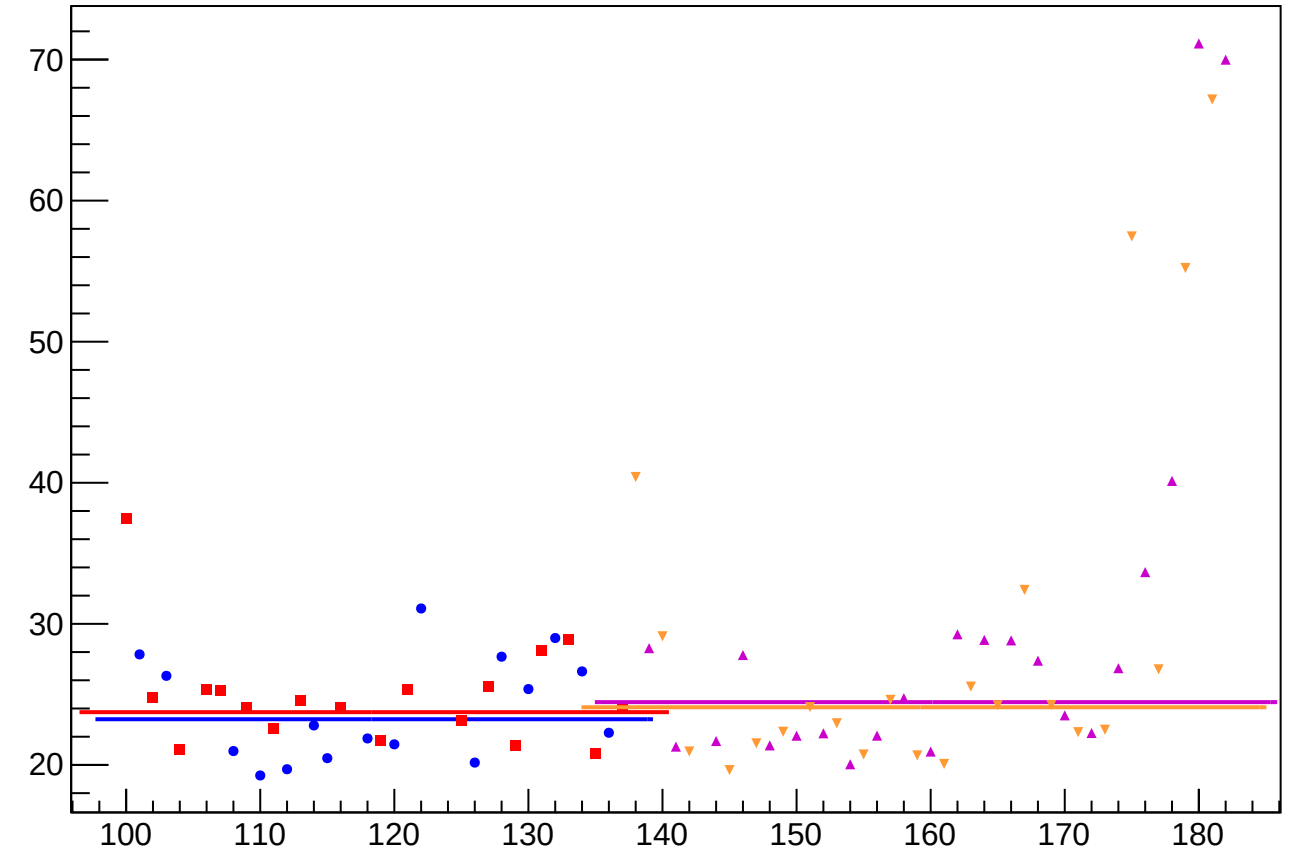
Left: 0.002+/-0.005 χ^2/NDF: 49.7/43

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

In: 0.002+/-0.005 χ^2/NDF:46.1/37

Out: -0.002+/-0.005 χ^2/NDF:26.7/39

All: -0.000+/-0.004 χ^2/NDF: 73.0/77



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

Left Out: 24.088+/-0.005 χ^2/NDF:2030876.0/21

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

Left In: 24.451+/-0.005 χ^2/NDF:1943606.8/21

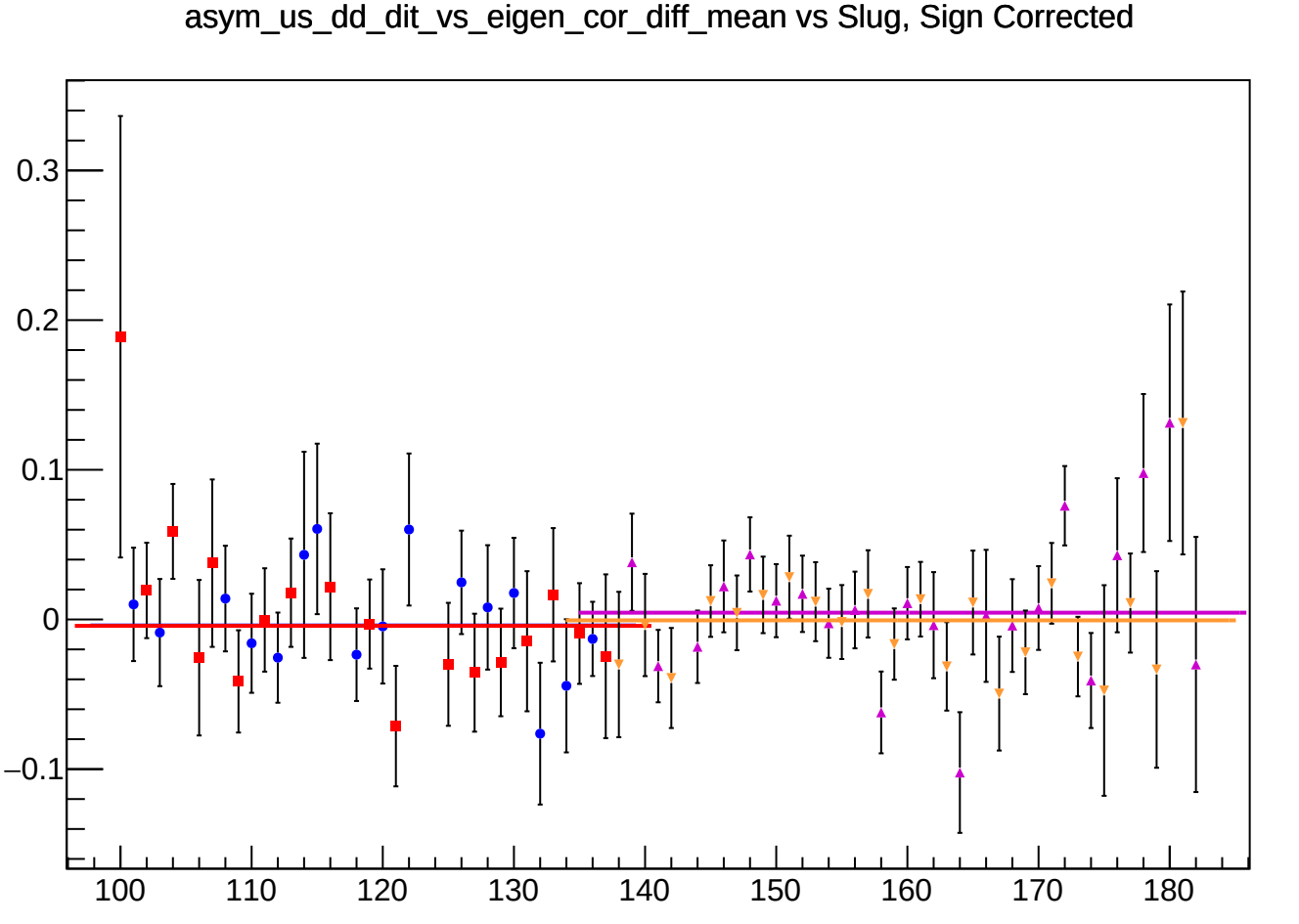
Left: 24.270+/-0.003 χ^2/NDF: 3977696.2/43

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

In: 24.059+/-0.004 χ^2/NDF:2226072.6/37

Out: 23.975+/-0.004 χ^2/NDF:2158942.6/39

All: 24.017+/-0.003 χ^2/NDF: 4385265.5/77



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

Left Out: -0.001+/-0.006 χ^2/NDF:13.1/21

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

Left In: 0.005+/-0.006 χ^2/NDF:36.3/21

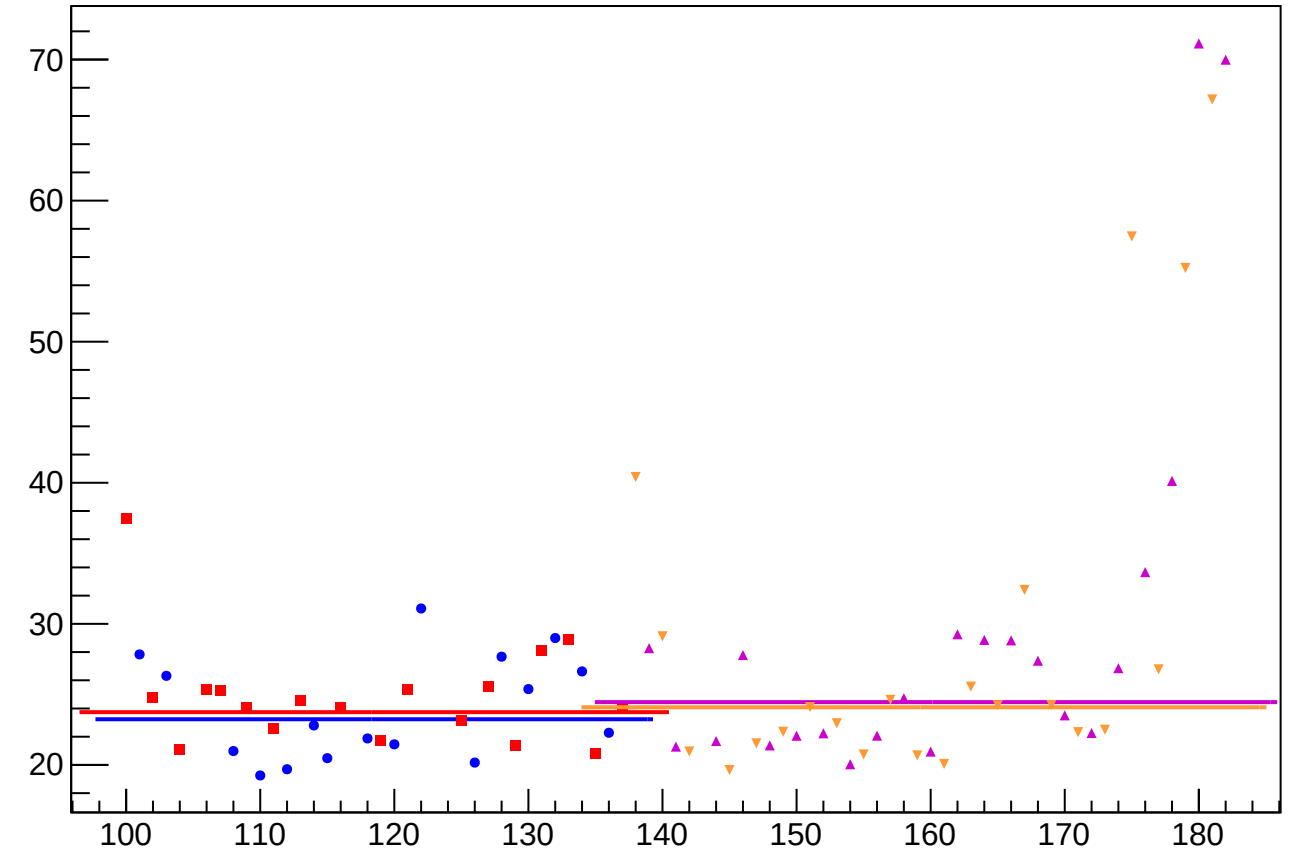
Left: 0.002+/-0.005 χ^2/NDF: 49.7/43

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

In: 0.002+/-0.005 χ^2/NDF:46.1/37

Out: -0.002+/-0.005 χ^2/NDF:26.7/39

All: -0.000+/-0.004 χ^2/NDF: 73.0/77



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

Left Out: 24.088+/-0.005 χ^2/NDF:2030876.0/21

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

Left In: 24.451+/-0.005 χ^2/NDF:1943606.8/21

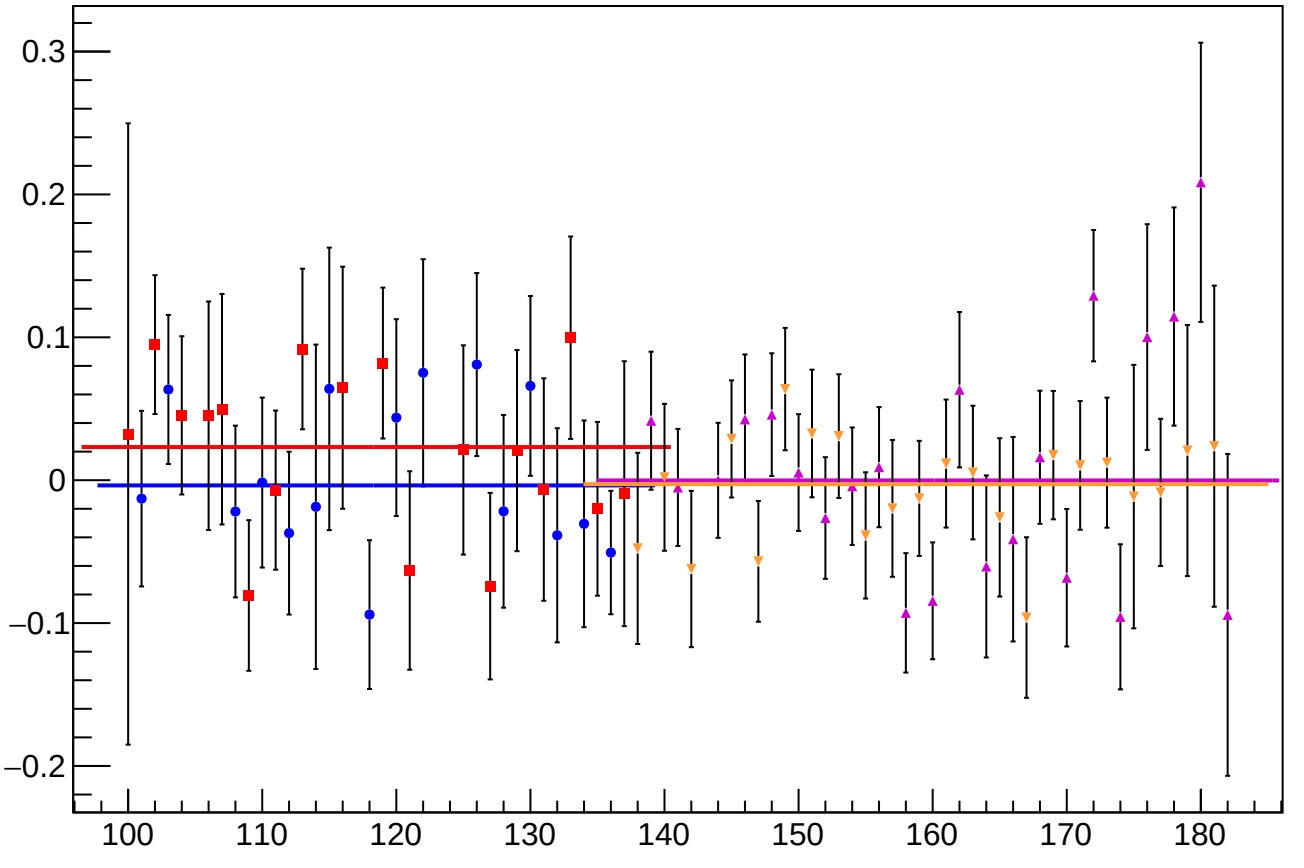
Left: 24.270+/-0.003 χ^2/NDF: 3977696.2/43

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

In: 24.059+/-0.004 χ^2/NDF:2226072.6/37

Out: 23.975+/-0.004 χ^2/NDF:2158942.6/39

All: 24.017+/-0.003 χ^2/NDF: 4385265.5/77



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

Left Out: -0.003+/-0.011 χ^2/NDF:12.0/21

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

Left In: -0.000+/-0.010 χ^2/NDF:37.7/21

Left: -0.001+/-0.007 χ^2/NDF: 49.7/43

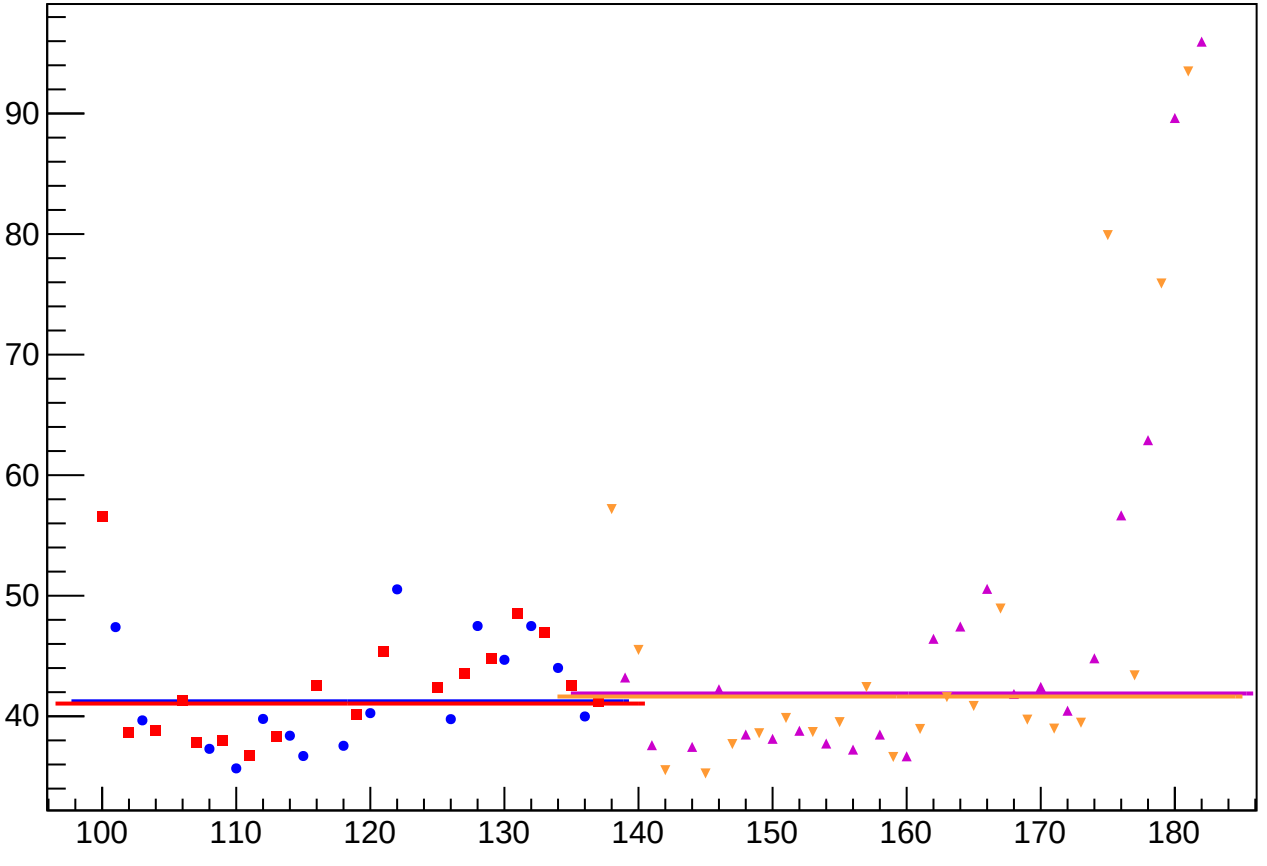
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.001+/-0.009 χ^2/NDF:49.4/37

Out: 0.005+/-0.009 χ^2/NDF:29.3/39

All: 0.002+/-0.006 χ^2/NDF: 79.0/77

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: 41.639+/-0.007 χ^2/NDF:1402302.0/21

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

Left In: 41.891+/-0.007 χ^2/NDF:1405508.5/21

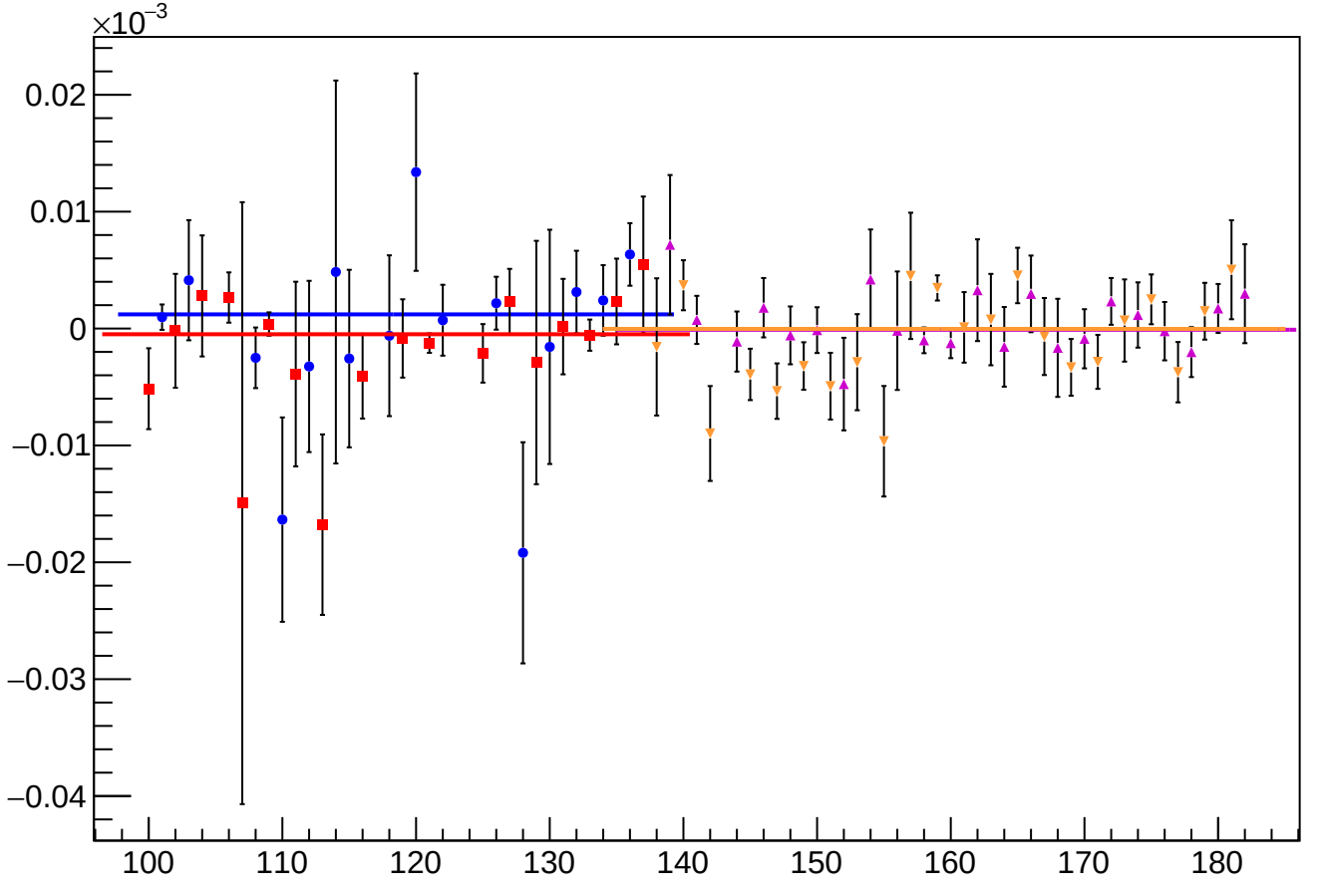
Left: 41.766+/-0.005 χ^2/NDF: 2808388.7/43

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

In: 41.693+/-0.006 χ^2/NDF:1543152.6/37

Out: 41.454+/-0.006 χ^2/NDF:1500802.8/39

All: 41.574+/-0.004 χ^2/NDF: 3044705.8/77



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

Left Out: -0.000+/-0.000 χ^2/NDF:49.9/21

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

Left In: -0.000+/-0.000 χ^2/NDF:11.9/21

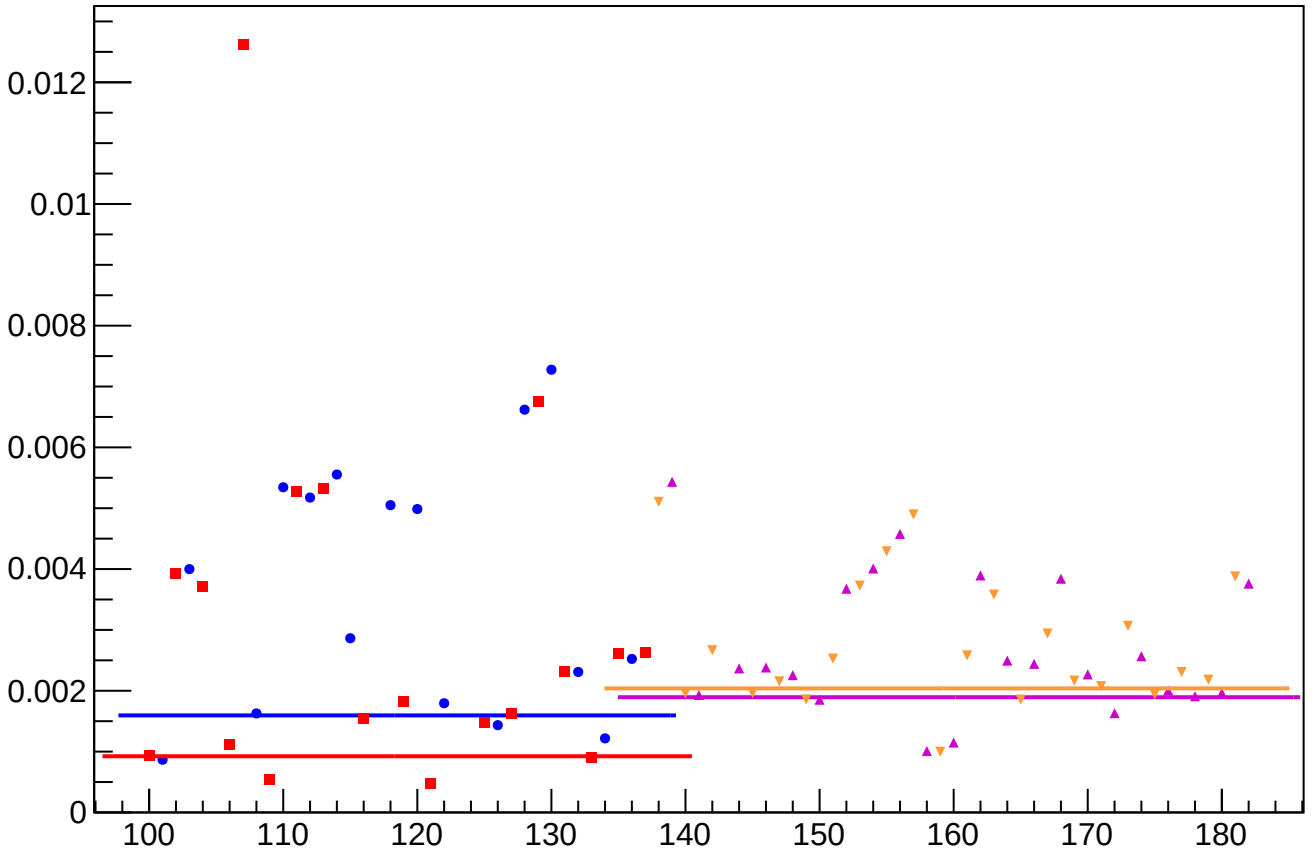
Left: -0.000+/-0.000 χ^2/NDF: 61.8/43

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:32.4/37

Out: -0.000+/-0.000 χ^2/NDF:65.2/39

All: -0.000+/-0.000 χ^2/NDF: 98.7/77



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

Left Out: 0.002+/-0.000 χ^2/NDF:5017729.0/21

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

Left In: 0.002+/-0.000 χ^2/NDF:5870010.0/21

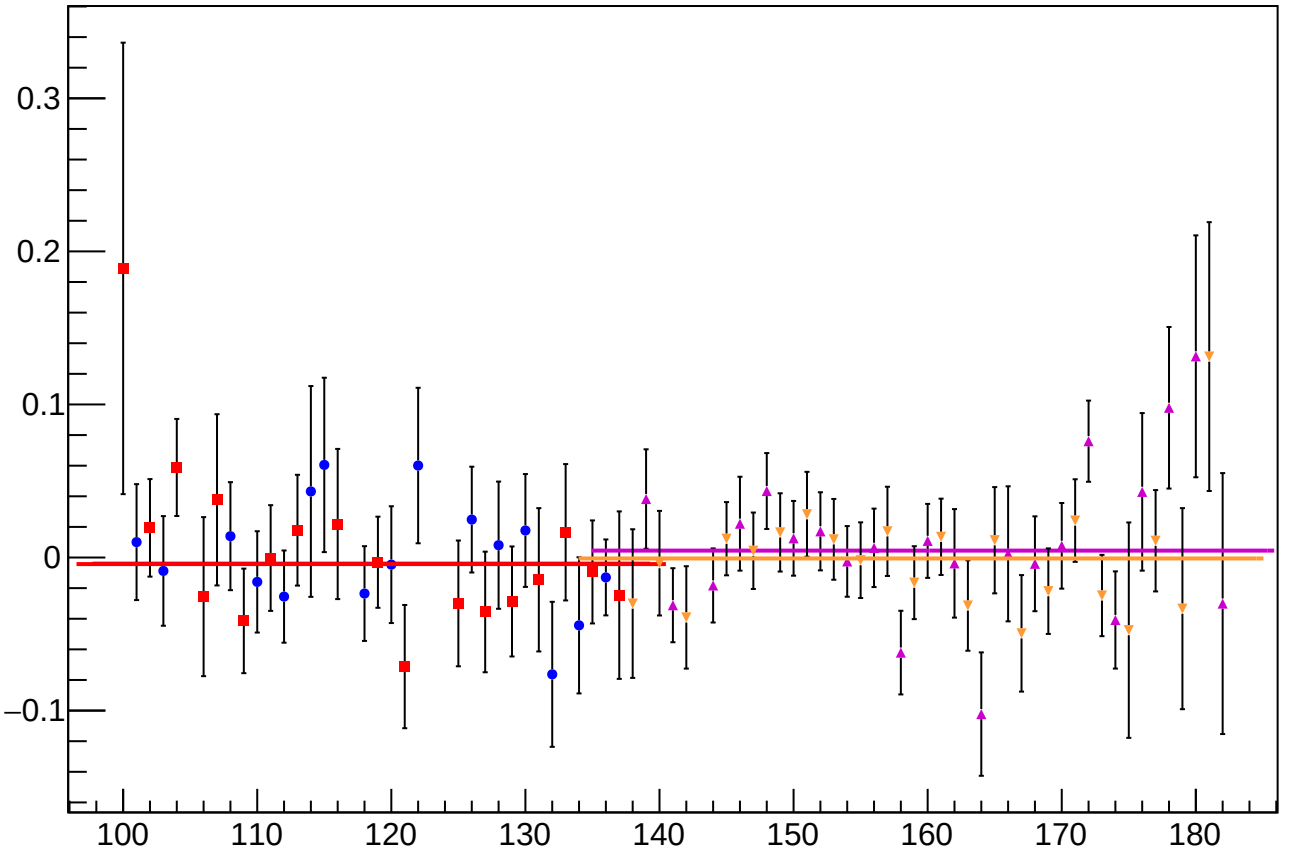
Left: 0.002+/-0.000 χ^2/NDF: 10967578.6/43

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

In: 0.002+/-0.000 χ^2/NDF:10852846.1/37

Out: 0.001+/-0.000 χ^2/NDF:15491906.2/39

All: 0.002+/-0.000 χ^2/NDF: 27197047.6/77



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

Left Out: -0.001+/-0.006 χ^2/NDF:13.1/21

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

Left In: 0.005+/-0.006 χ^2/NDF:36.3/21

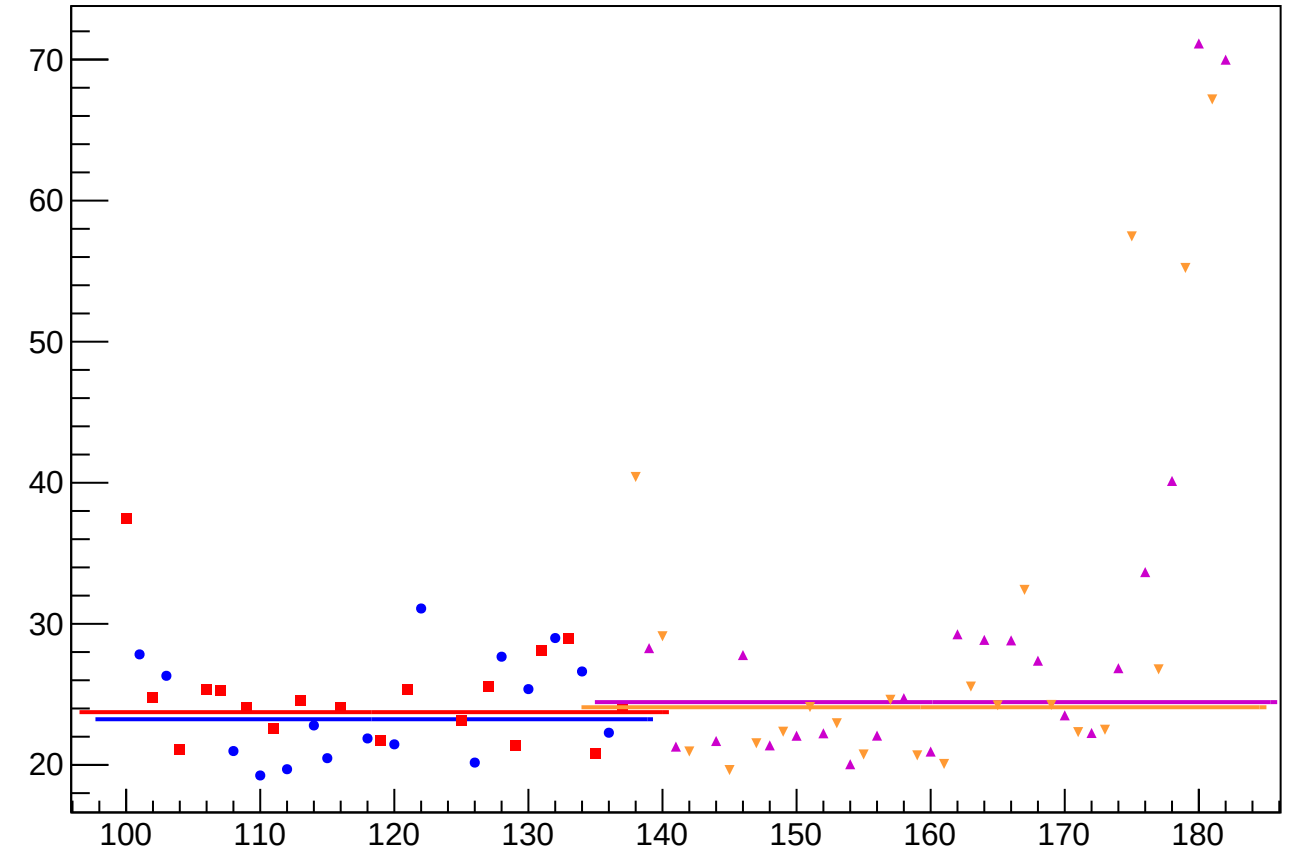
Left: 0.002+/-0.005 χ^2/NDF: 49.7/43

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

In: 0.002+/-0.005 χ^2/NDF:46.1/37

Out: -0.002+/-0.005 χ^2/NDF:26.7/39

All: -0.000+/-0.004 χ^2/NDF: 73.0/77



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

Left Out: 24.088+/-0.005 χ^2/NDF:2030912.9/21

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

Left In: 24.451+/-0.005 χ^2/NDF:1943477.3/21

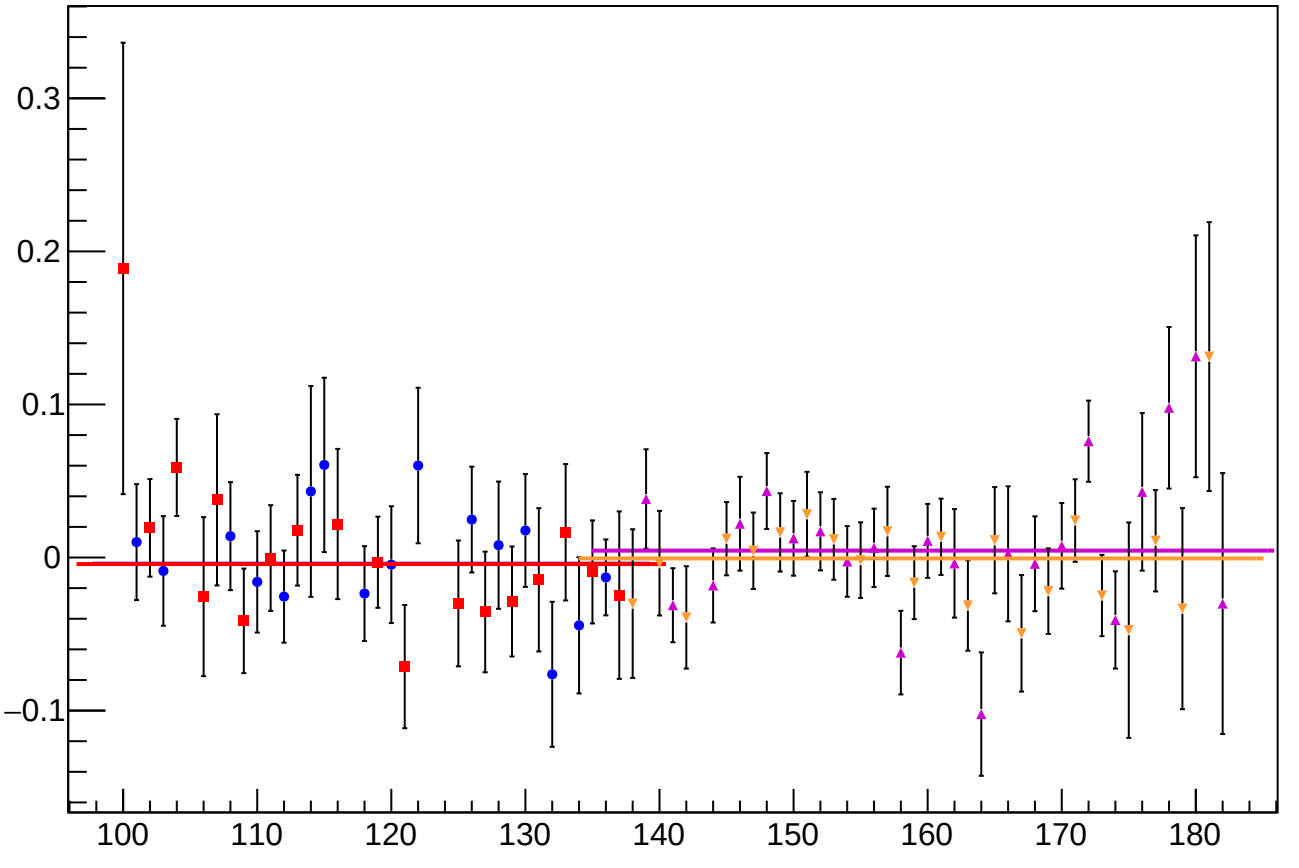
Left: 24.270+/-0.003 χ^2/NDF: 3977608.1/43

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

In: 24.059+/-0.004 χ^2/NDF:2225968.7/37

Out: 23.976+/-0.004 χ^2/NDF:2158926.4/39

All: 24.017+/-0.003 χ^2/NDF: 4385144.6/77



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

Left Out: -0.001+/-0.006 χ^2/NDF:13.1/21

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

Left In: 0.005+/-0.006 χ^2/NDF:36.3/21

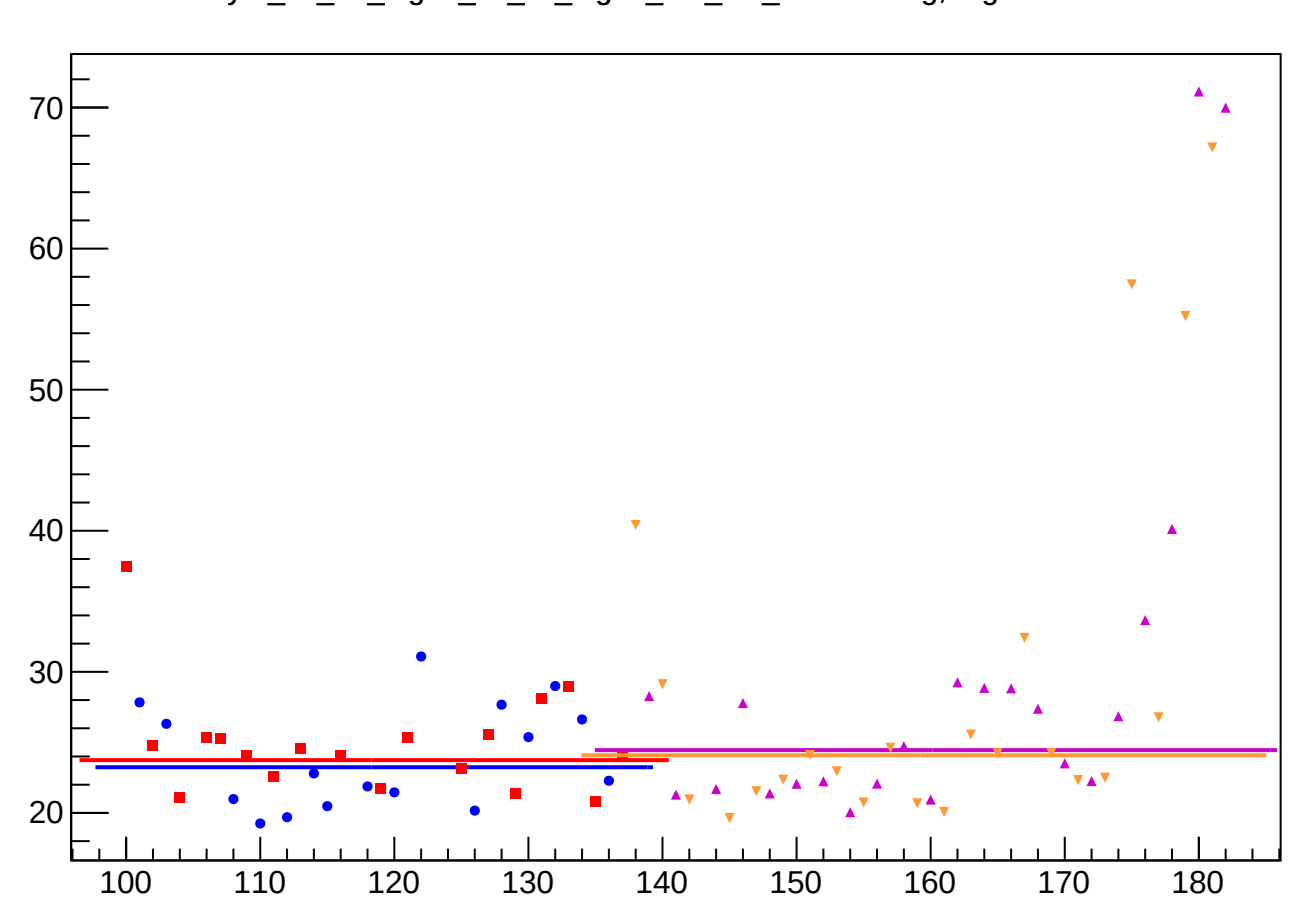
Left: 0.002+/-0.005 χ^2/NDF: 49.7/43

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

In: 0.002+/-0.005 χ^2/NDF:46.1/37

Out: -0.002+/-0.005 χ^2/NDF:26.7/39

All: -0.000+/-0.004 χ^2/NDF: 73.0/77



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

Left Out: 24.088+/-0.005 χ^2/NDF:2030912.9/21

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

Left In: 24.451+/-0.005 χ^2/NDF:1943477.3/21

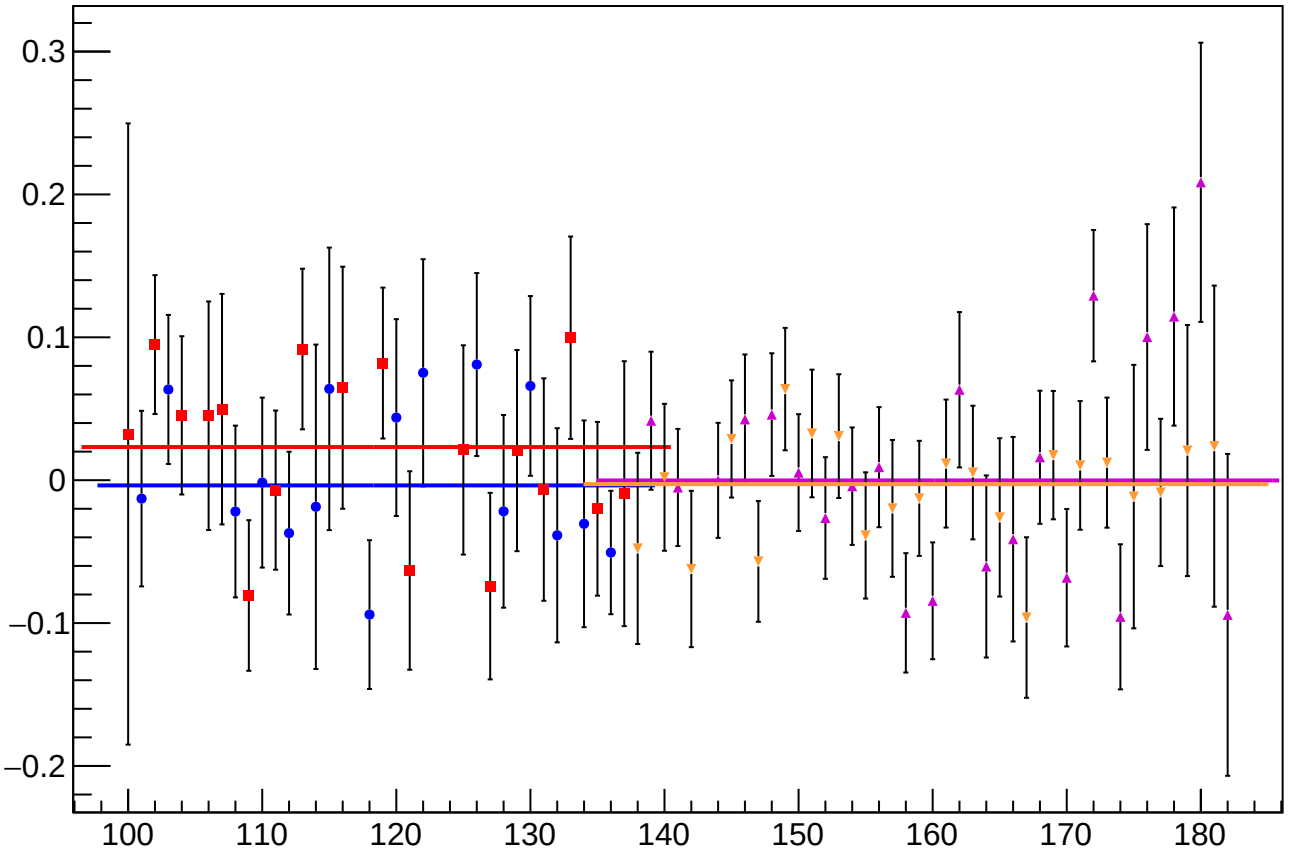
Left: 24.270+/-0.003 χ^2/NDF: 3977608.1/43

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

In: 24.059+/-0.004 χ^2/NDF:2225968.7/37

Out: 23.976+/-0.004 χ^2/NDF:2158926.4/39

All: 24.017+/-0.003 χ^2/NDF: 4385144.6/77



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

Left Out: -0.003+/-0.011 χ^2/NDF:12.0/21

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

Left In: -0.000+/-0.010 χ^2/NDF:37.7/21

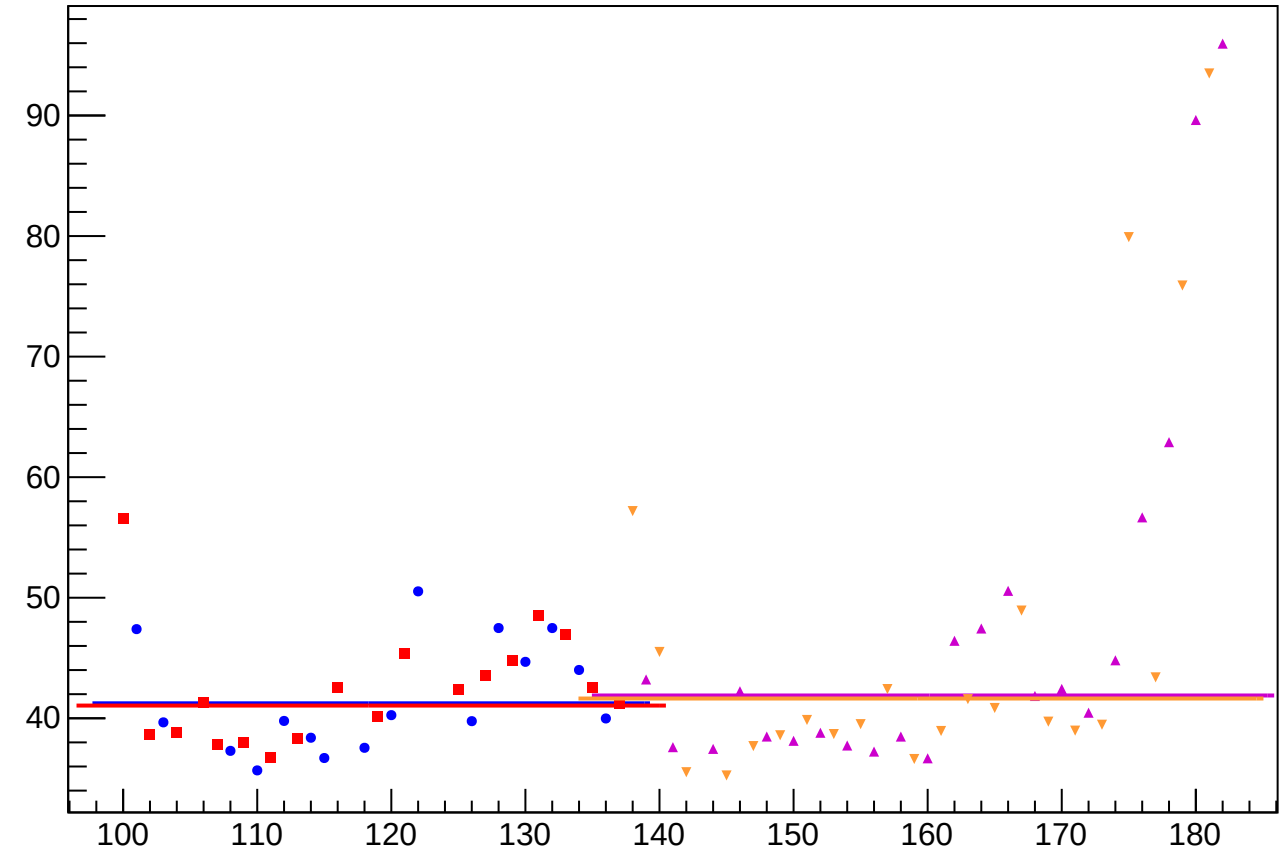
Left: -0.001+/-0.007 χ^2/NDF: 49.7/43

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.001+/-0.009 χ^2/NDF:49.4/37

Out: 0.005+/-0.009 χ^2/NDF:29.3/39

All: 0.002+/-0.006 χ^2/NDF: 79.0/77



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

Left Out: 41.639+/-0.007 χ^2/NDF:1402299.0/21

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

Left In: 41.891+/-0.007 χ^2/NDF:1405485.6/21

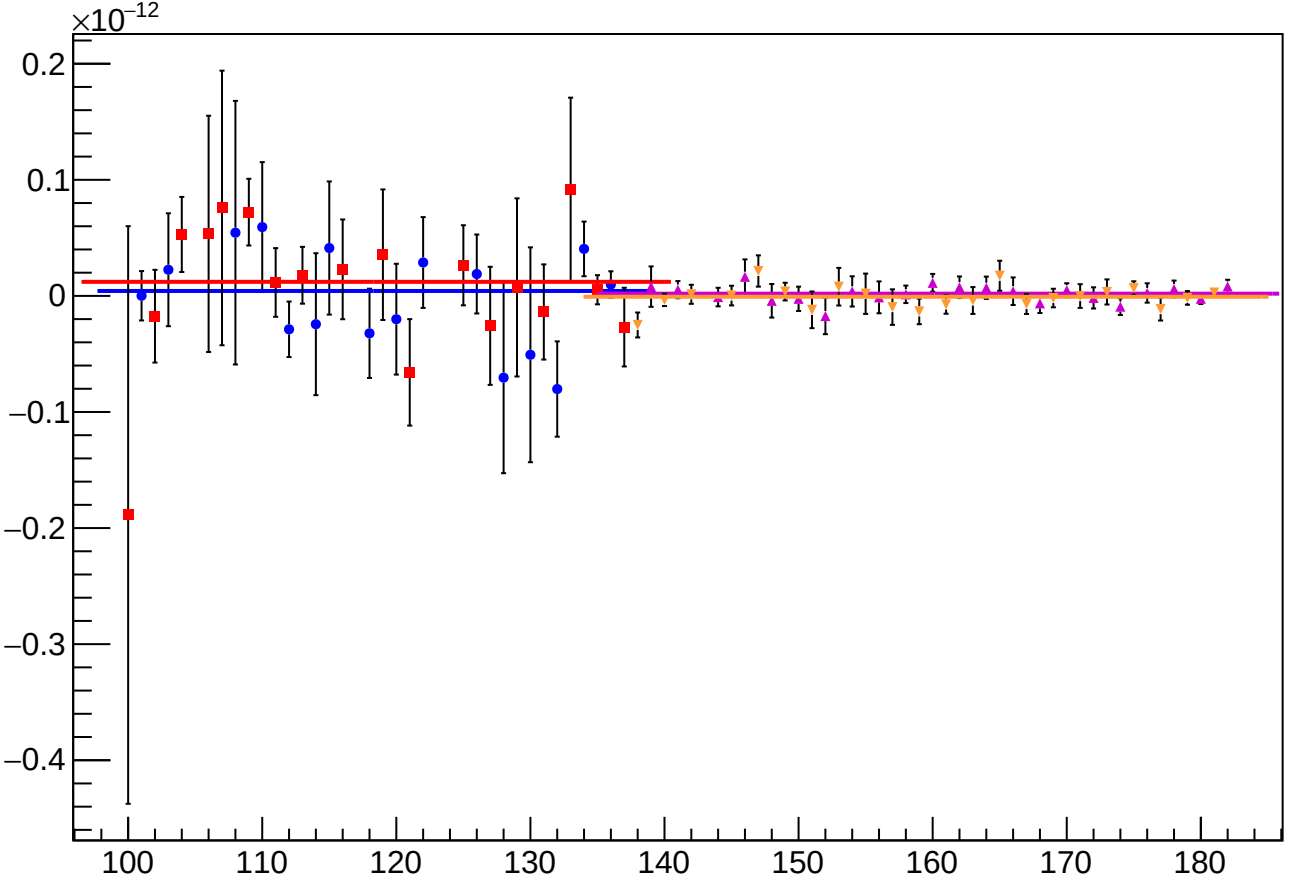
Left: 41.766+/-0.005 χ^2/NDF: 2808363.1/43

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

In: 41.693+/-0.006 χ^2/NDF:1543110.2/37

Out: 41.454+/-0.006 χ^2/NDF:1500789.1/39

All: 41.574+/-0.004 χ^2/NDF: 3044649.7/77



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

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/21

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

Left In: 0.000+/-0.000 χ^2/NDF:11.7/21

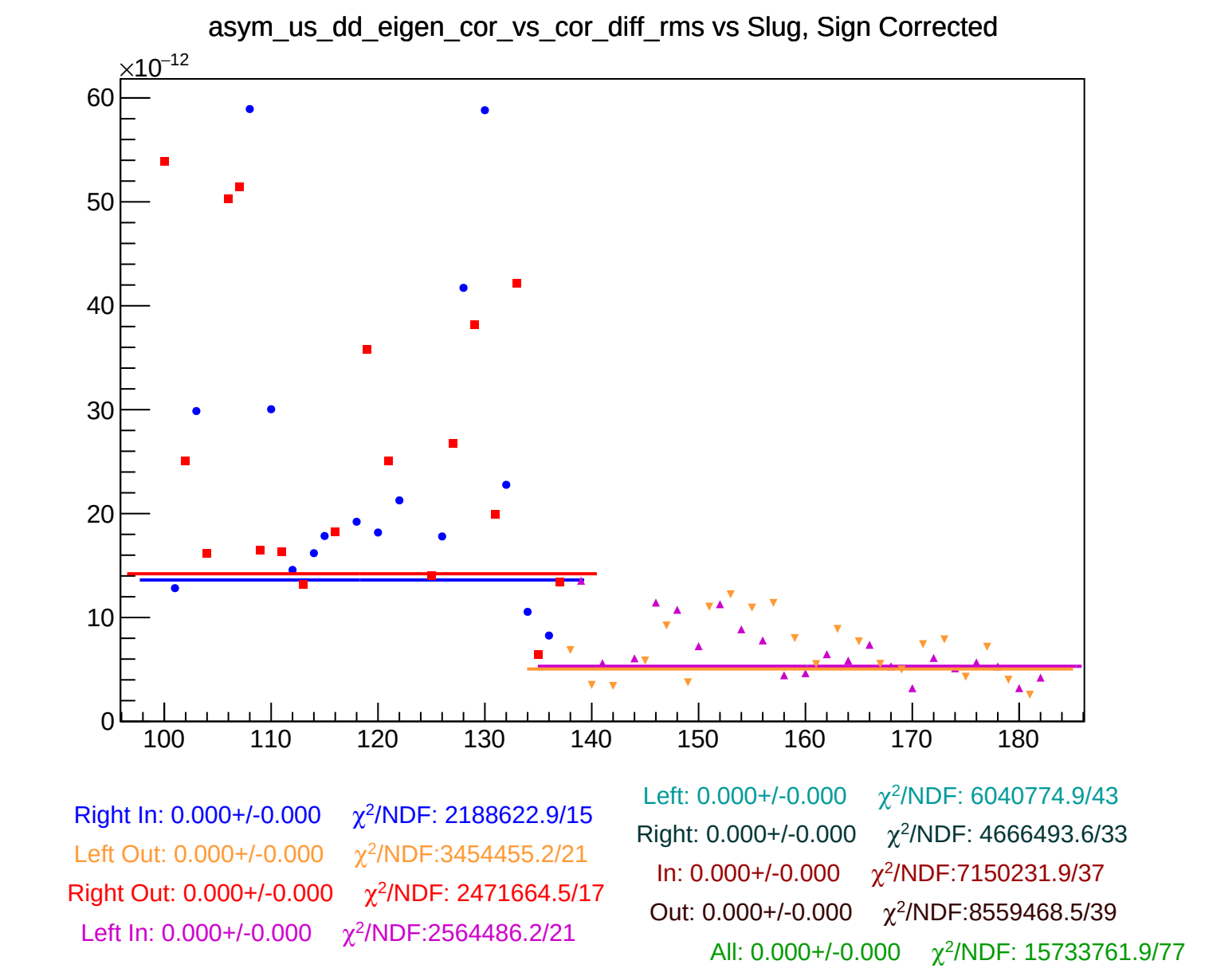
Left: 0.000+/-0.000 χ^2/NDF: 30.9/43

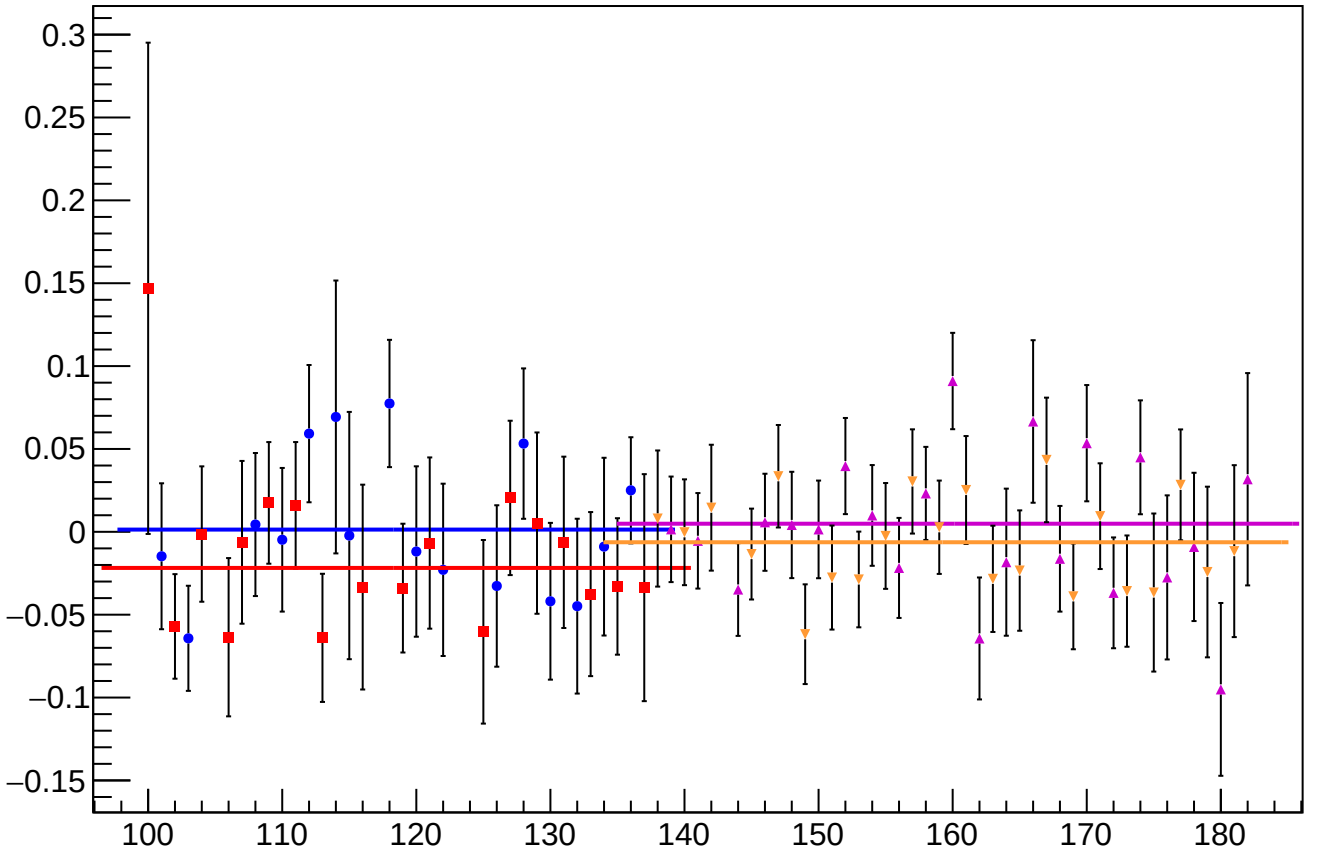
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:25.5/37

Out: -0.000+/-0.000 χ^2/NDF:35.1/39

All: 0.000+/-0.000 χ^2/NDF: 61.4/77


asym_us_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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:3454455.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:2564486.2/21
Left: 0.000+/-0.000 χ²/NDF: 6040774.9/43
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:7150231.9/37
Out: 0.000+/-0.000 χ²/NDF:8559468.5/39
All: 0.000+/-0.000 χ²/NDF: 15733761.9/77



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

Left Out: -0.006+/-0.007 χ^2/NDF:15.2/21

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

Left In: 0.005+/-0.007 χ^2/NDF:28.7/21

Left: -0.001+/-0.005 χ^2/NDF: 45.1/43

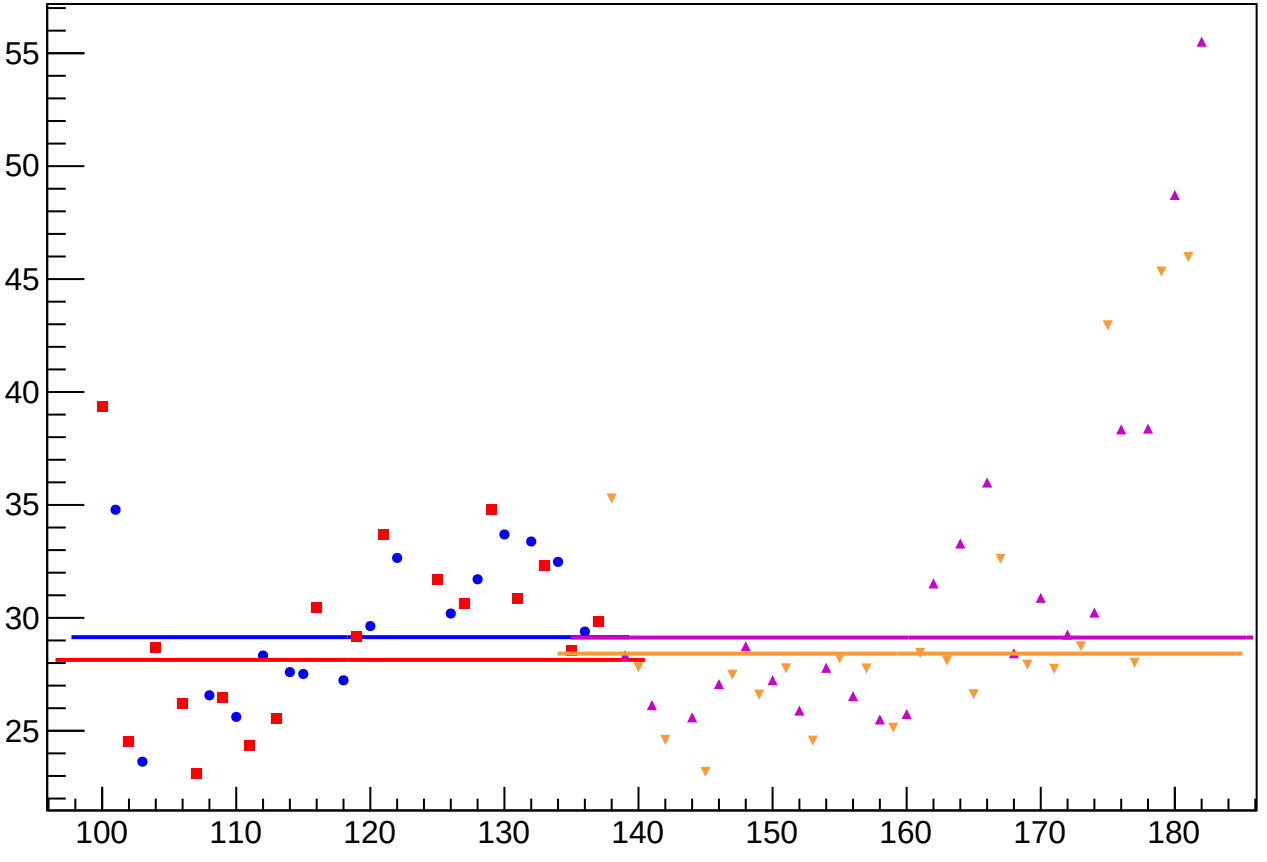
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.004+/-0.006 χ^2/NDF:44.0/37

Out: -0.011+/-0.006 χ^2/NDF:25.7/39

All: -0.004+/-0.004 χ^2/NDF: 72.7/77

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: 28.417+/-0.005 χ^2/NDF:886347.4/21

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

Left In: 29.128+/-0.005 χ^2/NDF:1027047.0/21

Left: 28.770+/-0.004 χ^2/NDF: 1923214.5/43

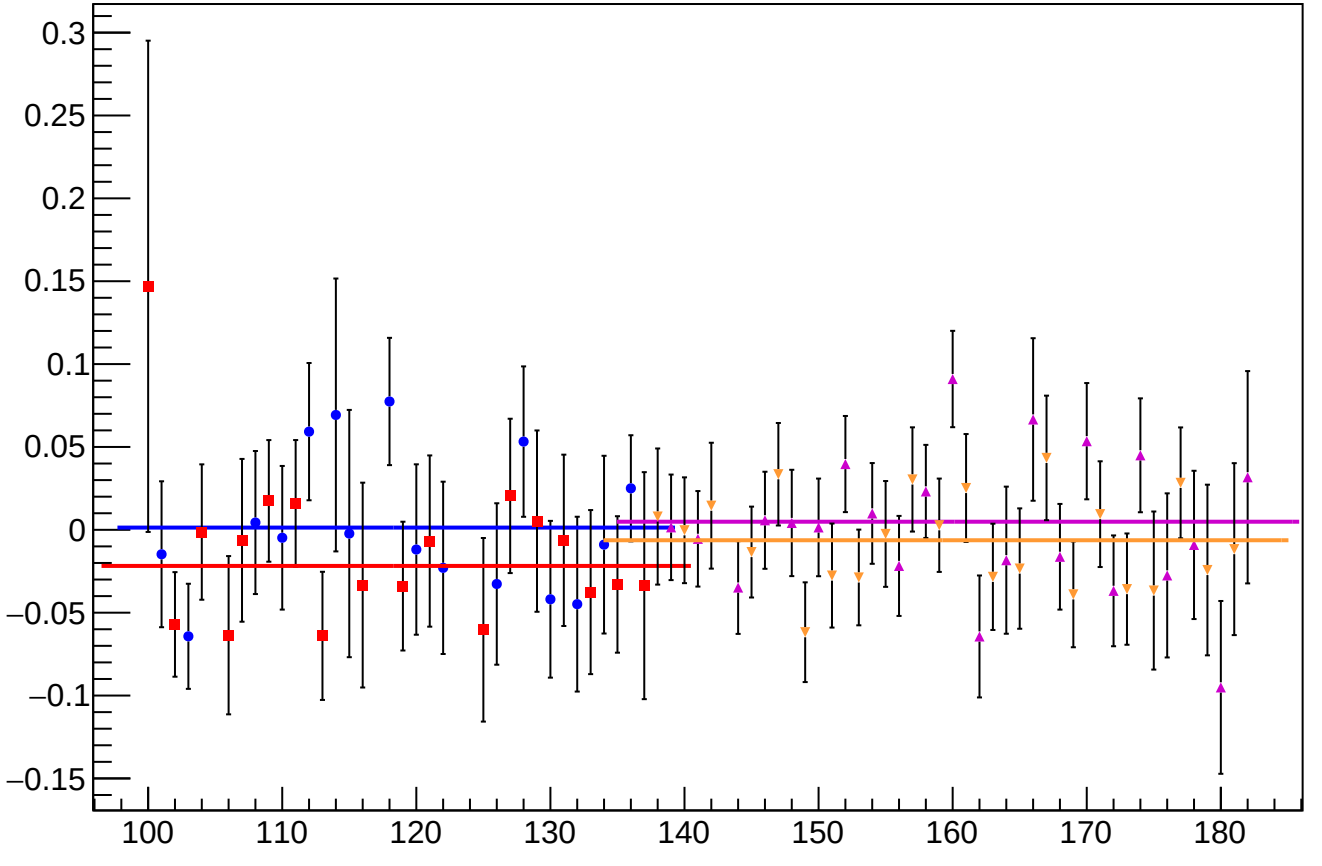
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 29.133+/-0.004 χ^2/NDF:1203939.9/37

Out: 28.332+/-0.004 χ^2/NDF:1074365.3/39

All: 28.726+/-0.003 χ^2/NDF: 2296069.2/77

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+/-0.007 χ^2/NDF:15.2/21

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

Left In: 0.005+/-0.007 χ^2/NDF:28.7/21

Left: -0.001+/-0.005 χ^2/NDF: 45.1/43

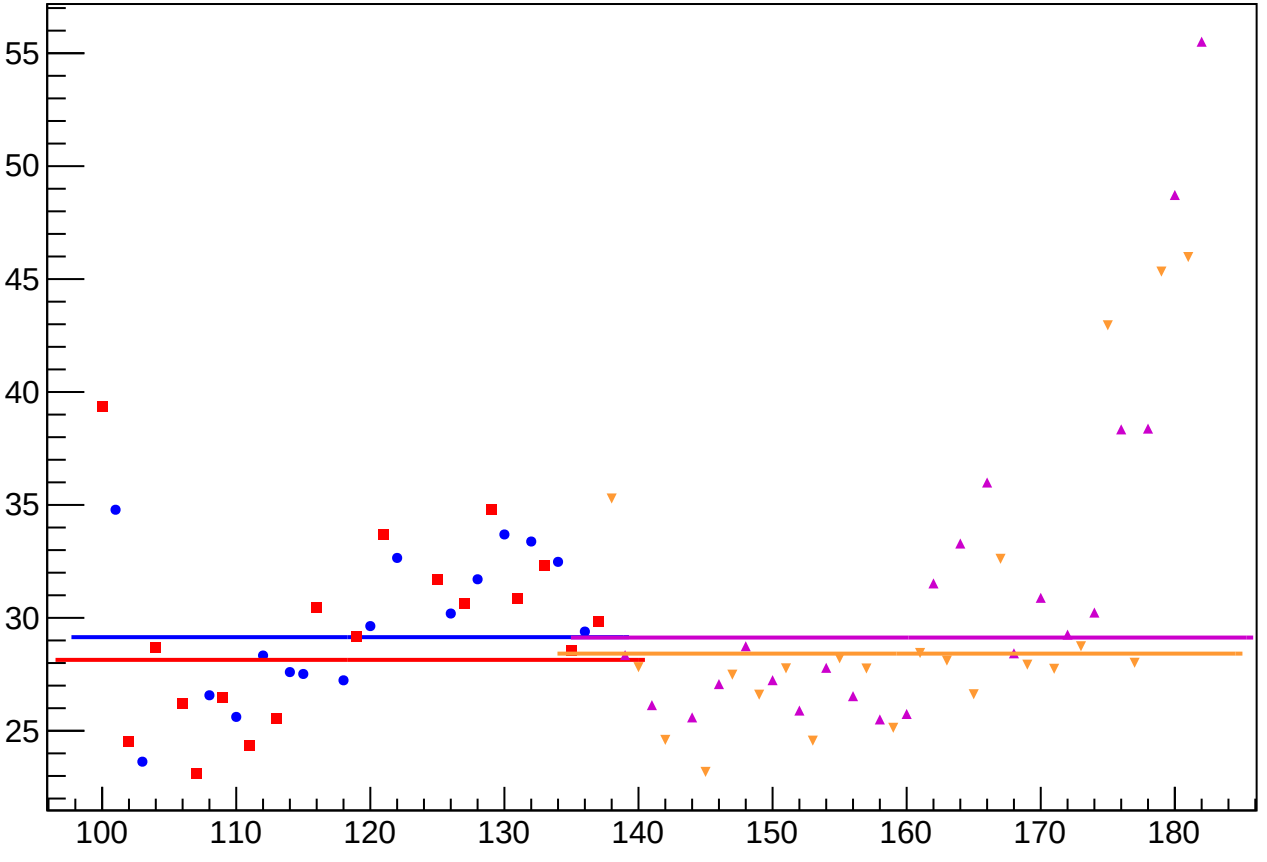
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.004+/-0.006 χ^2/NDF:44.0/37

Out: -0.011+/-0.006 χ^2/NDF:25.7/39

All: -0.004+/-0.004 χ^2/NDF: 72.7/77

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: 28.417+/-0.005 χ^2/NDF:886347.4/21

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

Left In: 29.128+/-0.005 χ^2/NDF:1027047.0/21

Left: 28.770+/-0.004 χ^2/NDF: 1923214.5/43

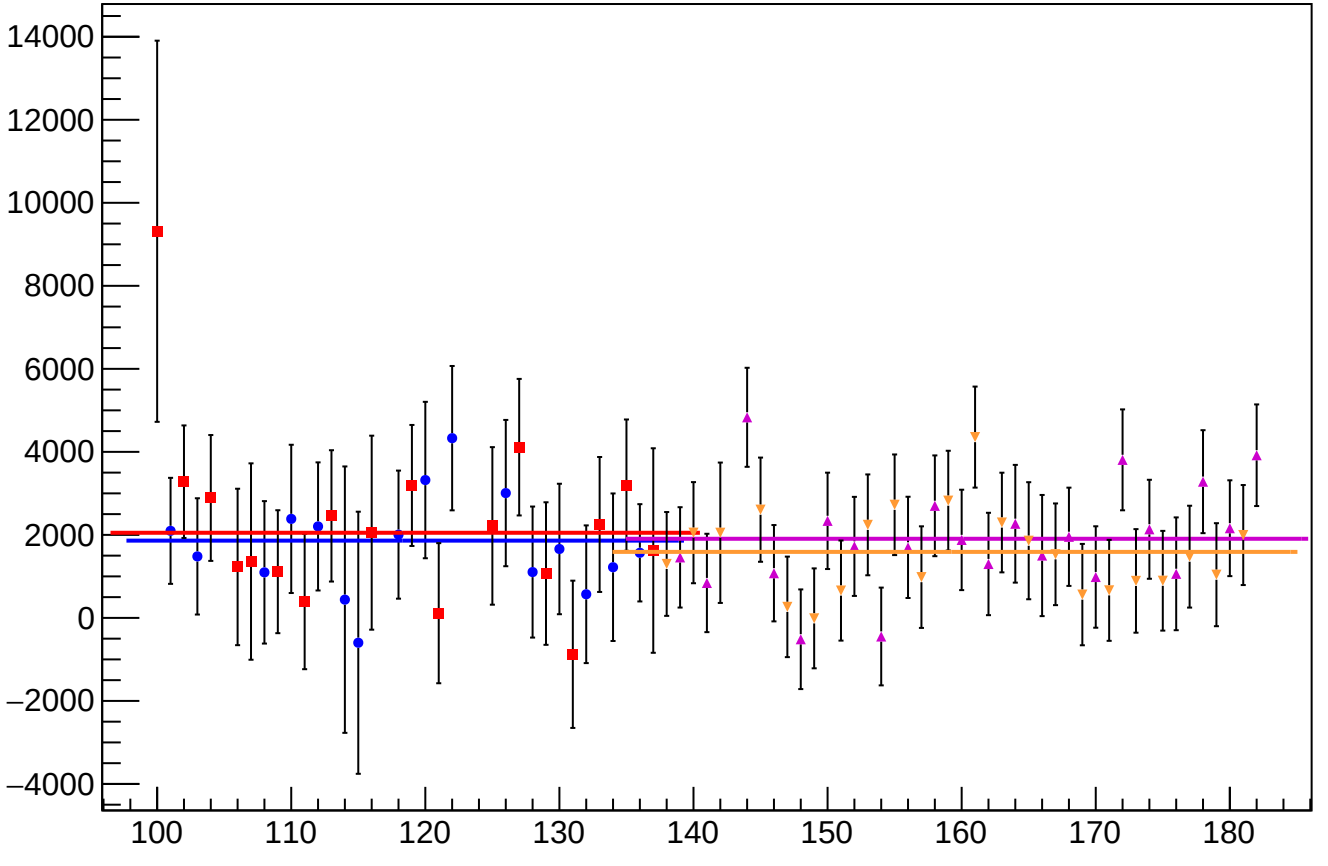
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 29.133+/-0.004 χ^2/NDF:1203939.9/37

Out: 28.332+/-0.004 χ^2/NDF:1074365.3/39

All: 28.726+/-0.003 χ^2/NDF: 2296069.2/77

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1590.256+/-264.446 χ^2/NDF:14.8/21

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

Left In: 1906.160+/-260.519 χ^2/NDF:24.0/21

Left: 1750.571+/-185.588 χ^2/NDF: 39.4/43

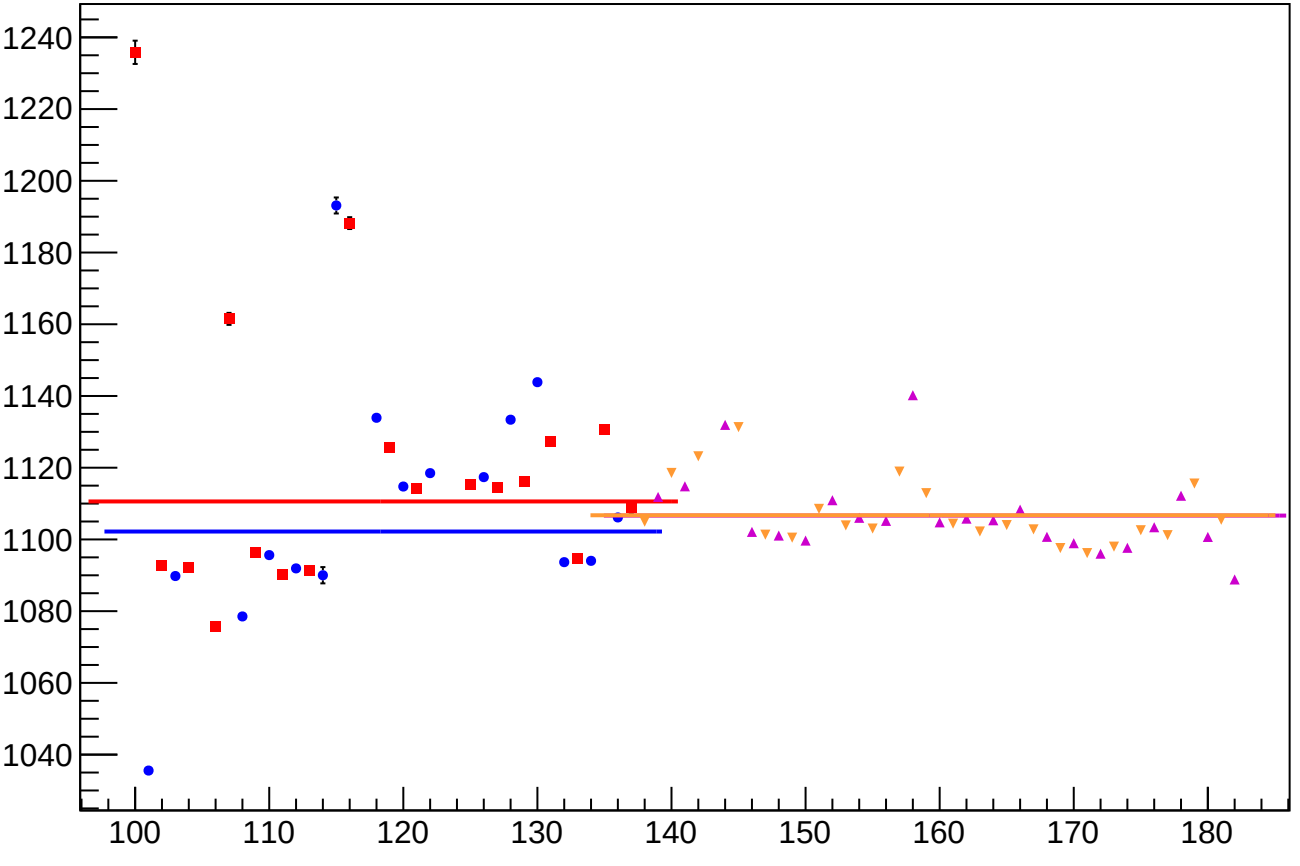
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1893.301+/-219.811 χ^2/NDF:29.3/37

Out: 1725.923+/-222.111 χ^2/NDF:28.2/39

All: 1810.483+/-156.237 χ^2/NDF: 57.8/77

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.741+/-0.187 χ^2/NDF:2119.9/21

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

Left In: 1106.651+/-0.184 χ^2/NDF:3669.5/21

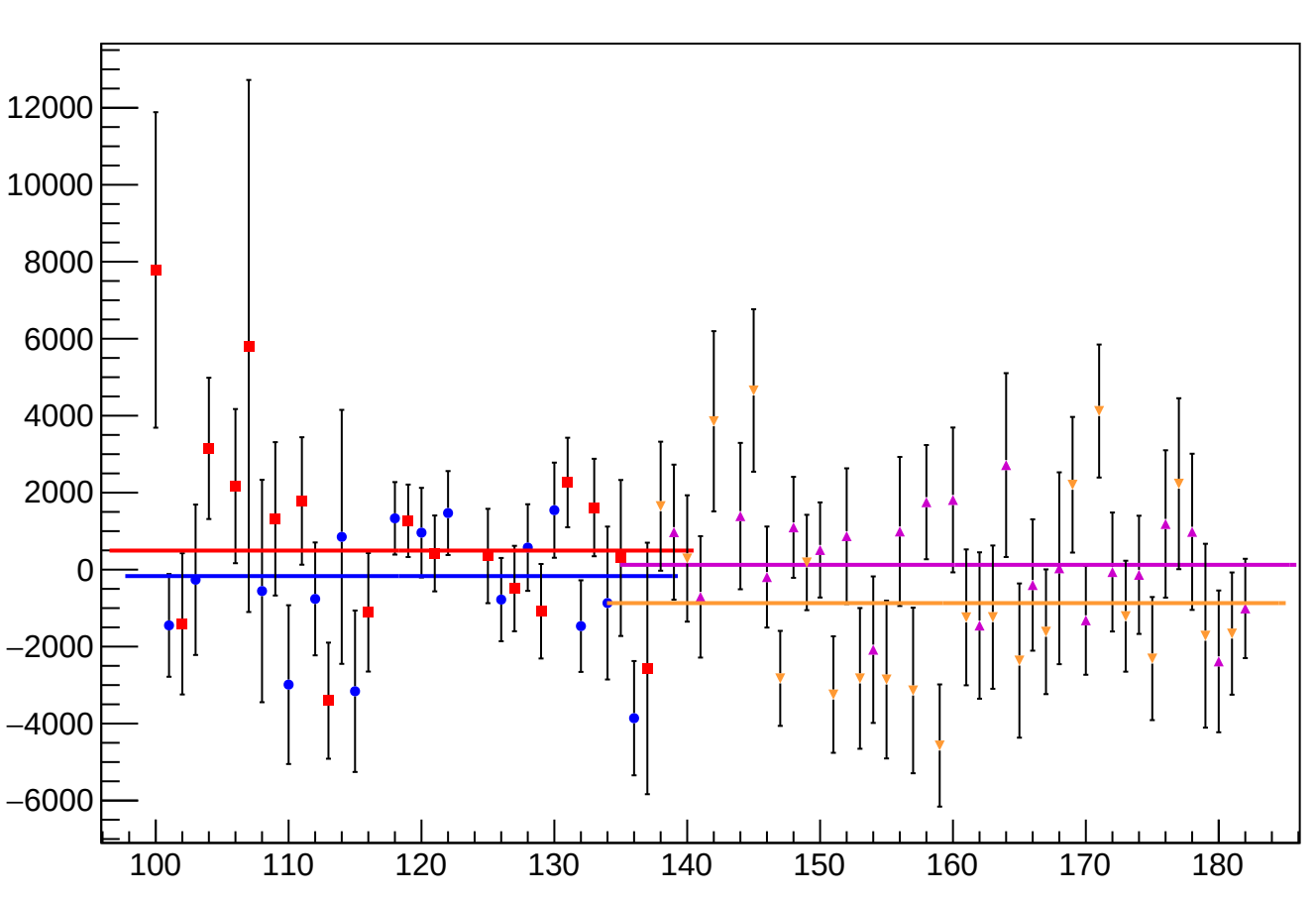
Left: 1106.695+/-0.131 χ^2/NDF: 5789.5/43

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

In: 1105.370+/-0.155 χ^2/NDF:15186.3/37

Out: 1107.875+/-0.157 χ^2/NDF:9940.8/39

All: 1106.610+/-0.110 χ^2/NDF: 25255.6/77



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

Left Out: -869.961+/-363.435 χ^2/NDF:43.4/21

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

Left In: 124.634+/-350.697 χ^2/NDF:11.5/21

Left: -354.928+/-252.363 χ^2/NDF: 58.9/43

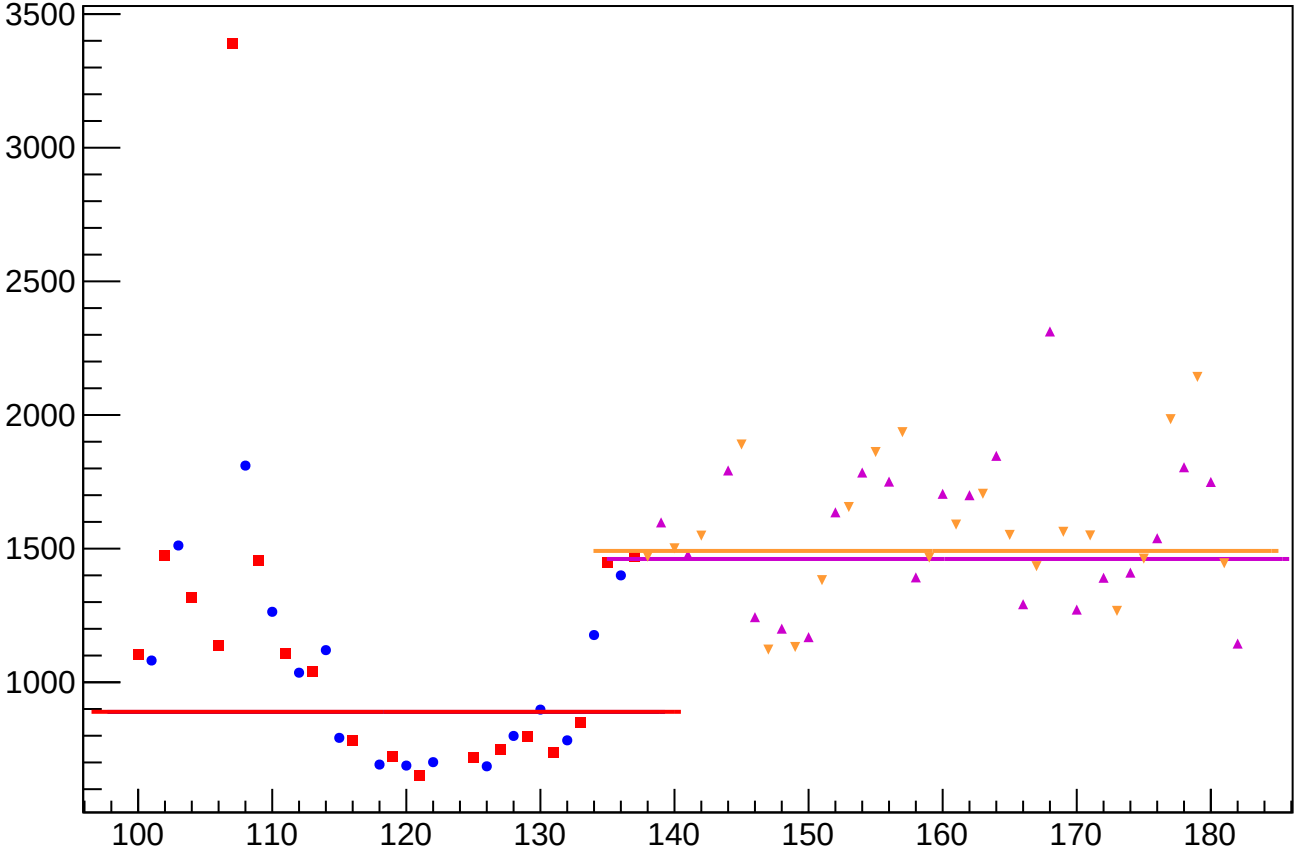
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -23.837+/-246.101 χ^2/NDF:32.9/37

Out: -152.001+/-250.236 χ^2/NDF:74.1/39

All: -86.851+/-175.463 χ^2/NDF: 107.2/77

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1491.421+/-0.257 χ^2/NDF:937681.6/21

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

Left In: 1461.302+/-0.248 χ^2/NDF:1087601.4/21

Left: 1475.825+/-0.178 χ^2/NDF: 2032395.6/43

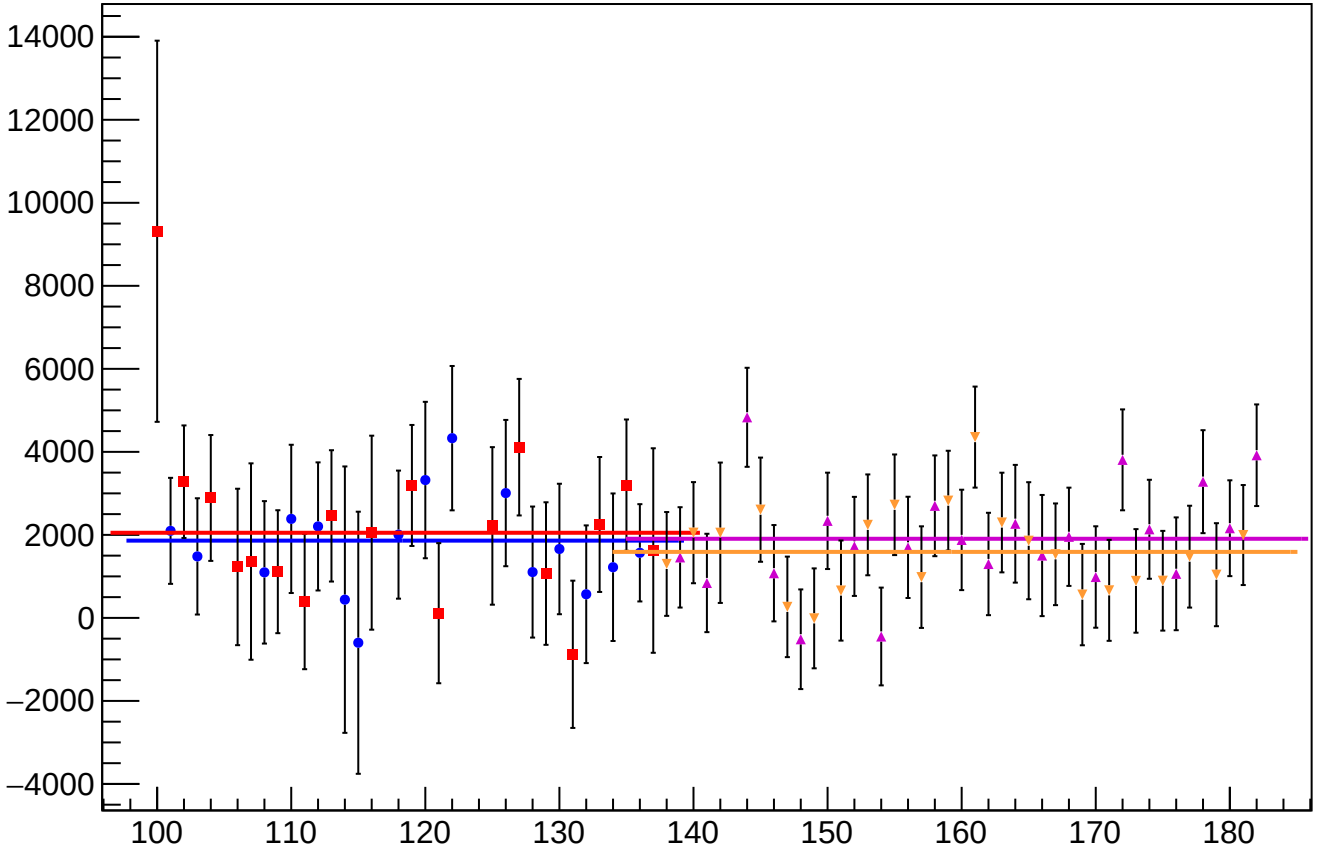
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1170.808+/-0.174 χ^2/NDF:4924090.1/37

Out: 1174.843+/-0.177 χ^2/NDF:5168868.7/39

All: 1172.792+/-0.124 χ^2/NDF: 10093223.2/7

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1590.256+/-264.446 χ^2/NDF:14.8/21

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

Left In: 1906.160+/-260.519 χ^2/NDF:24.0/21

Left: 1750.571+/-185.588 χ^2/NDF: 39.4/43

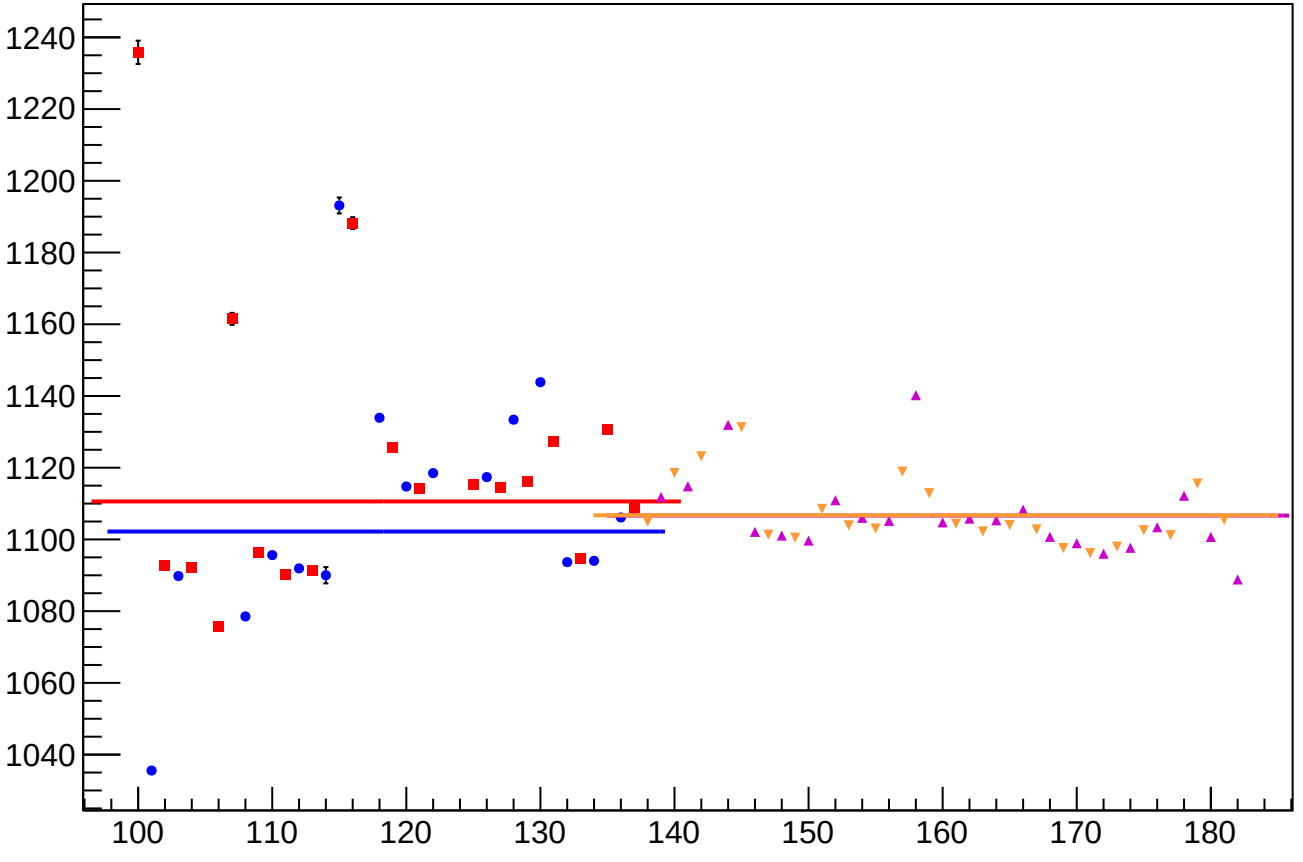
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1893.301+/-219.811 χ^2/NDF:29.3/37

Out: 1725.923+/-222.111 χ^2/NDF:28.2/39

All: 1810.483+/-156.237 χ^2/NDF: 57.8/77

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.741+/-0.187 χ^2/NDF:2119.9/21

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

Left In: 1106.651+/-0.184 χ^2/NDF:3669.5/21

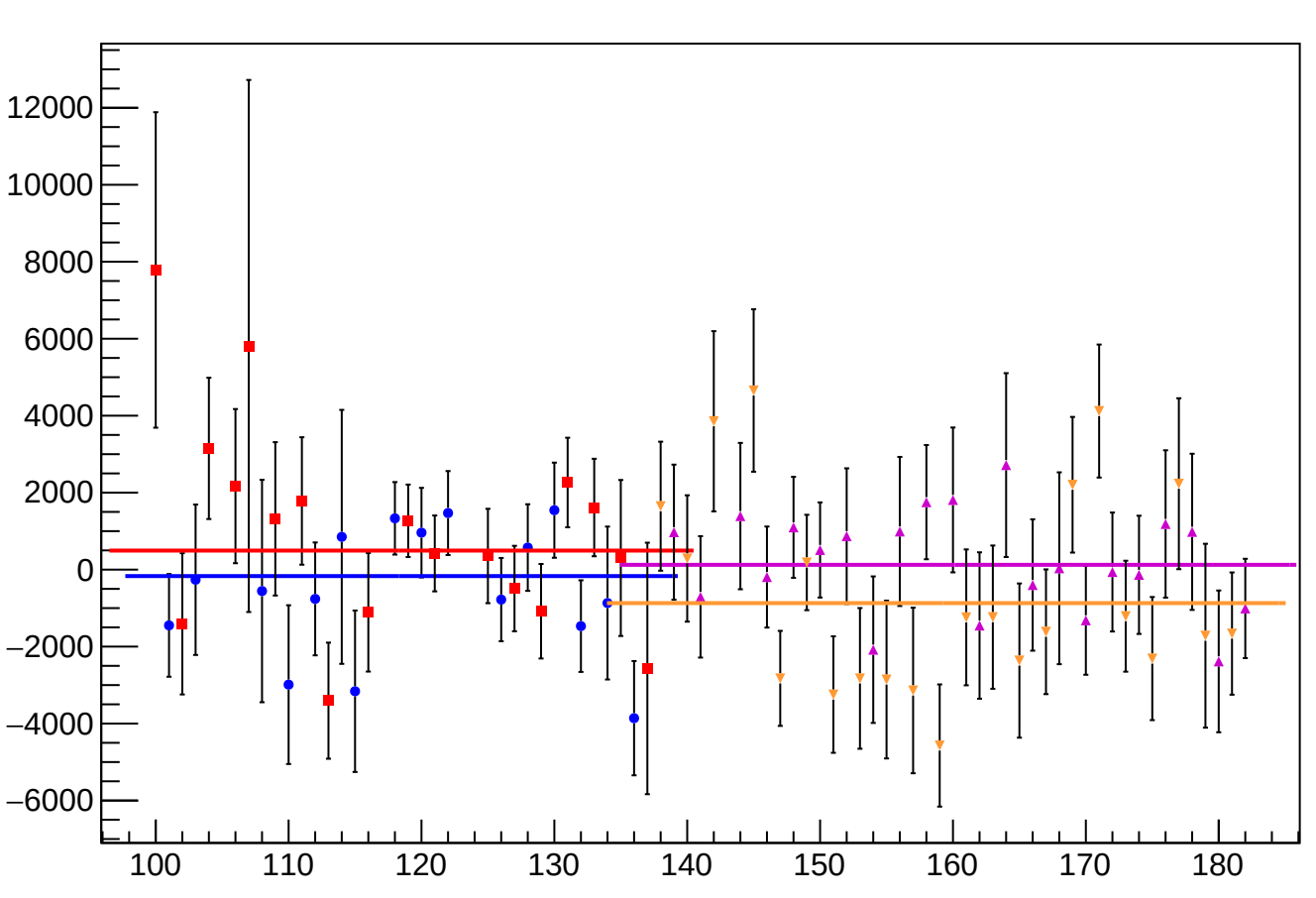
Left: 1106.695+/-0.131 χ^2/NDF: 5789.5/43

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

In: 1105.370+/-0.155 χ^2/NDF:15186.3/37

Out: 1107.875+/-0.157 χ^2/NDF:9940.8/39

All: 1106.610+/-0.110 χ^2/NDF: 25255.6/77



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

Left Out: -869.961+/-363.435 χ^2/NDF:43.4/21

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

Left In: 124.634+/-350.697 χ^2/NDF:11.5/21

Left: -354.928+/-252.363 χ^2/NDF: 58.9/43

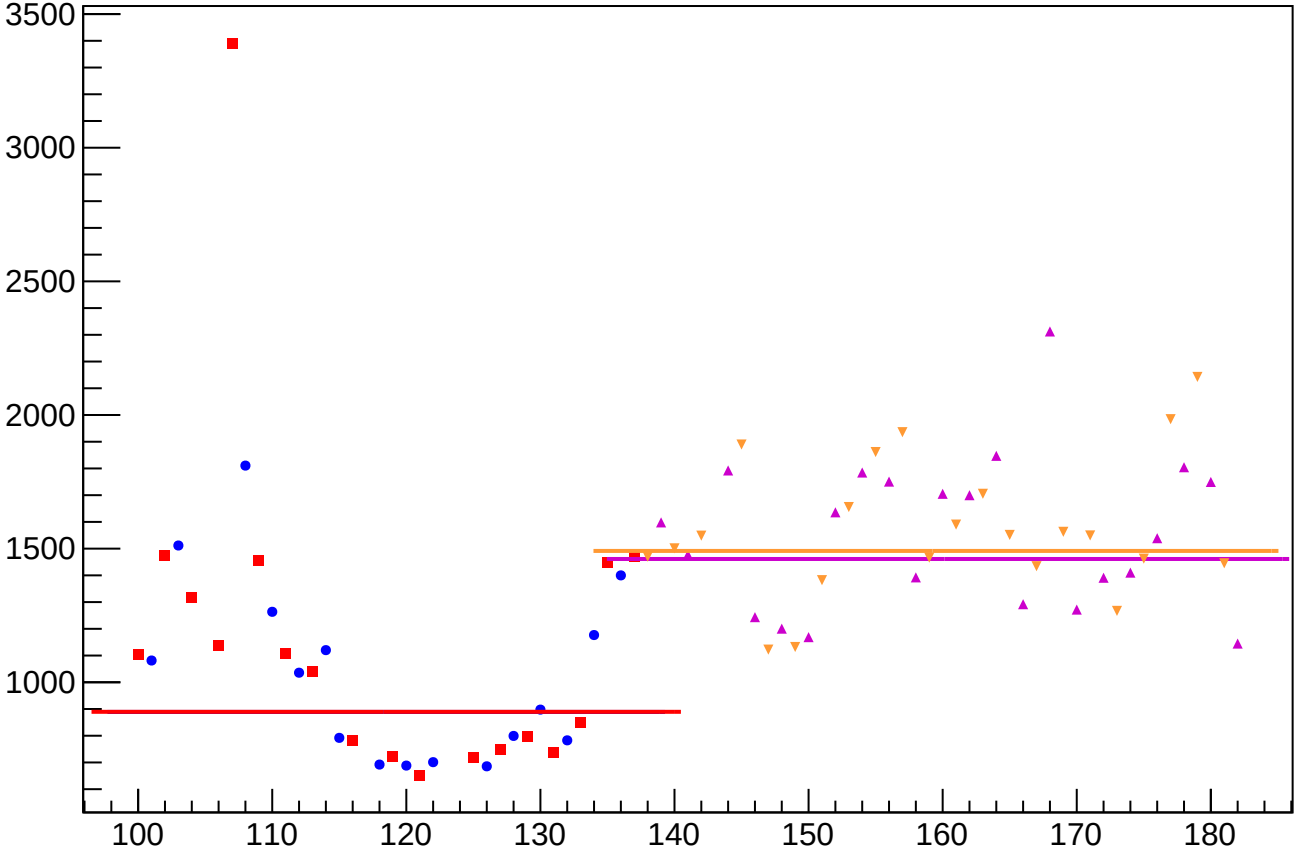
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -23.837+/-246.101 χ^2/NDF:32.9/37

Out: -152.001+/-250.236 χ^2/NDF:74.1/39

All: -86.851+/-175.463 χ^2/NDF: 107.2/77

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1491.421+/-0.257 χ^2/NDF:937681.6/21

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

Left In: 1461.302+/-0.248 χ^2/NDF:1087601.4/21

Left: 1475.825+/-0.178 χ^2/NDF: 2032395.6/43

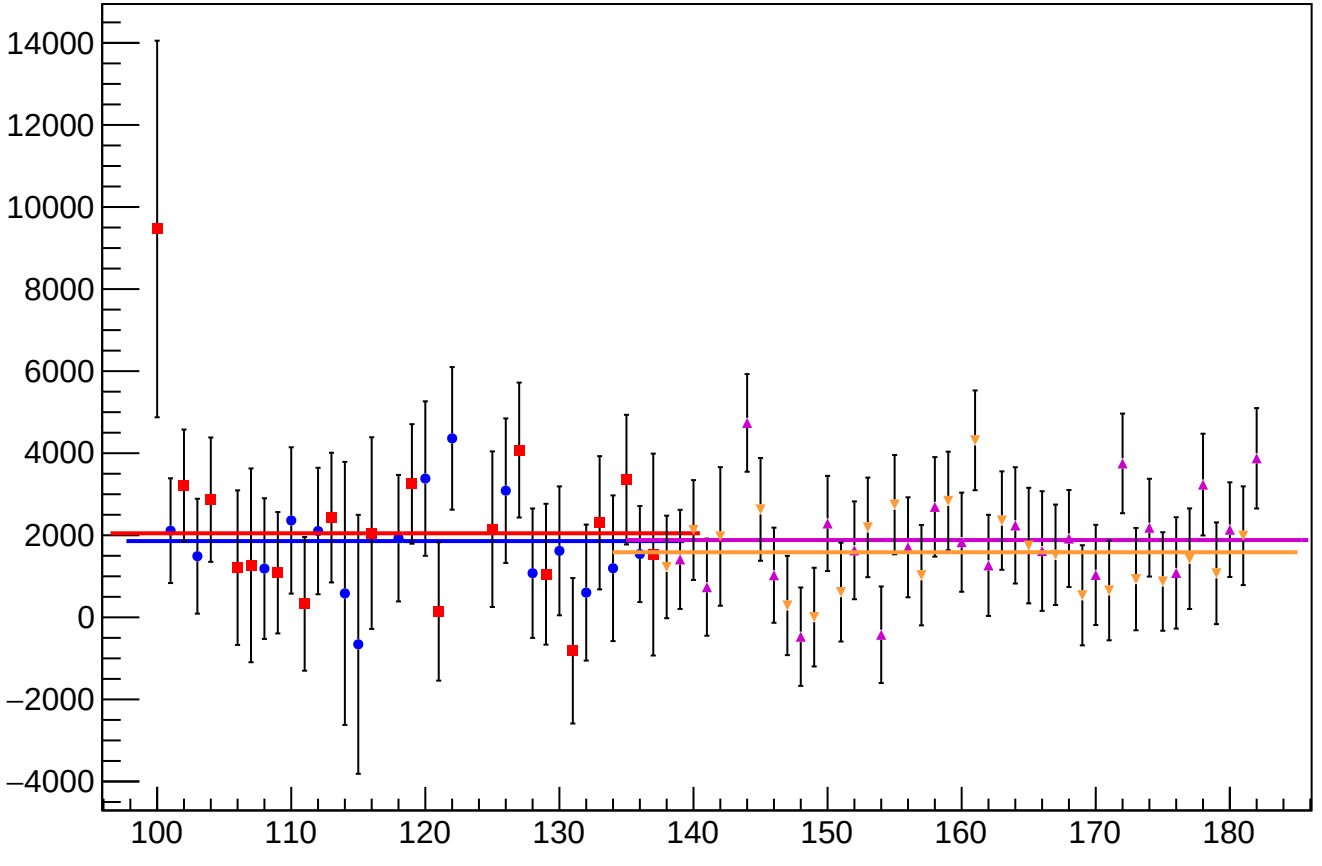
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1170.808+/-0.174 χ^2/NDF:4924090.1/37

Out: 1174.843+/-0.177 χ^2/NDF:5168868.7/39

All: 1172.792+/-0.124 χ^2/NDF: 10093223.2/7

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1586.183+/-264.192 χ^2/NDF:14.7/21

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

Left In: 1883.604+/-260.276 χ^2/NDF:23.2/21

Left: 1737.114+/-185.412 χ^2/NDF: 38.6/43

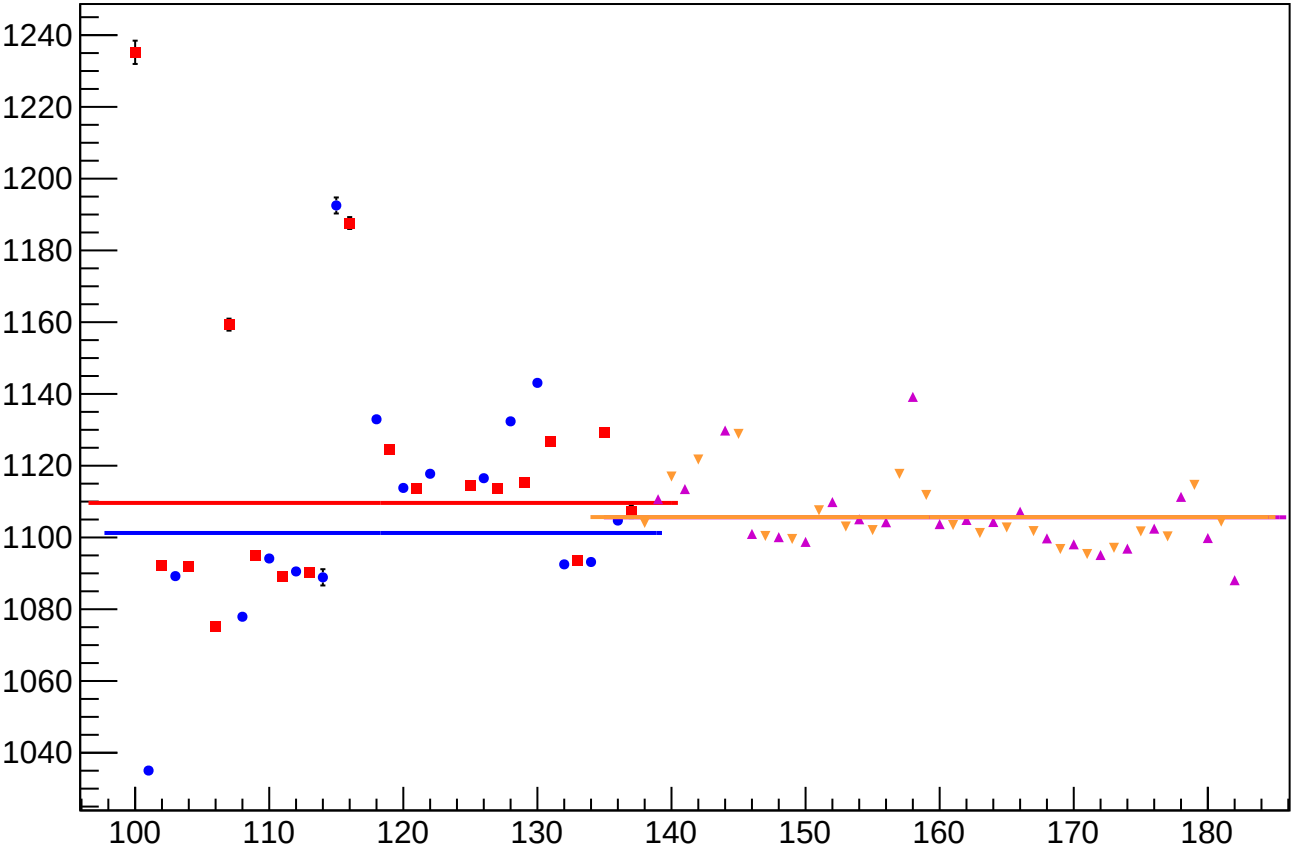
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1876.425+/-219.610 χ^2/NDF:28.7/37

Out: 1722.394+/-221.903 χ^2/NDF:28.4/39

All: 1800.209+/-156.092 χ^2/NDF: 57.3/77

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1105.684+/-0.187 χ^2/NDF:1985.1/21

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

Left In: 1105.621+/-0.184 χ^2/NDF:3558.9/21

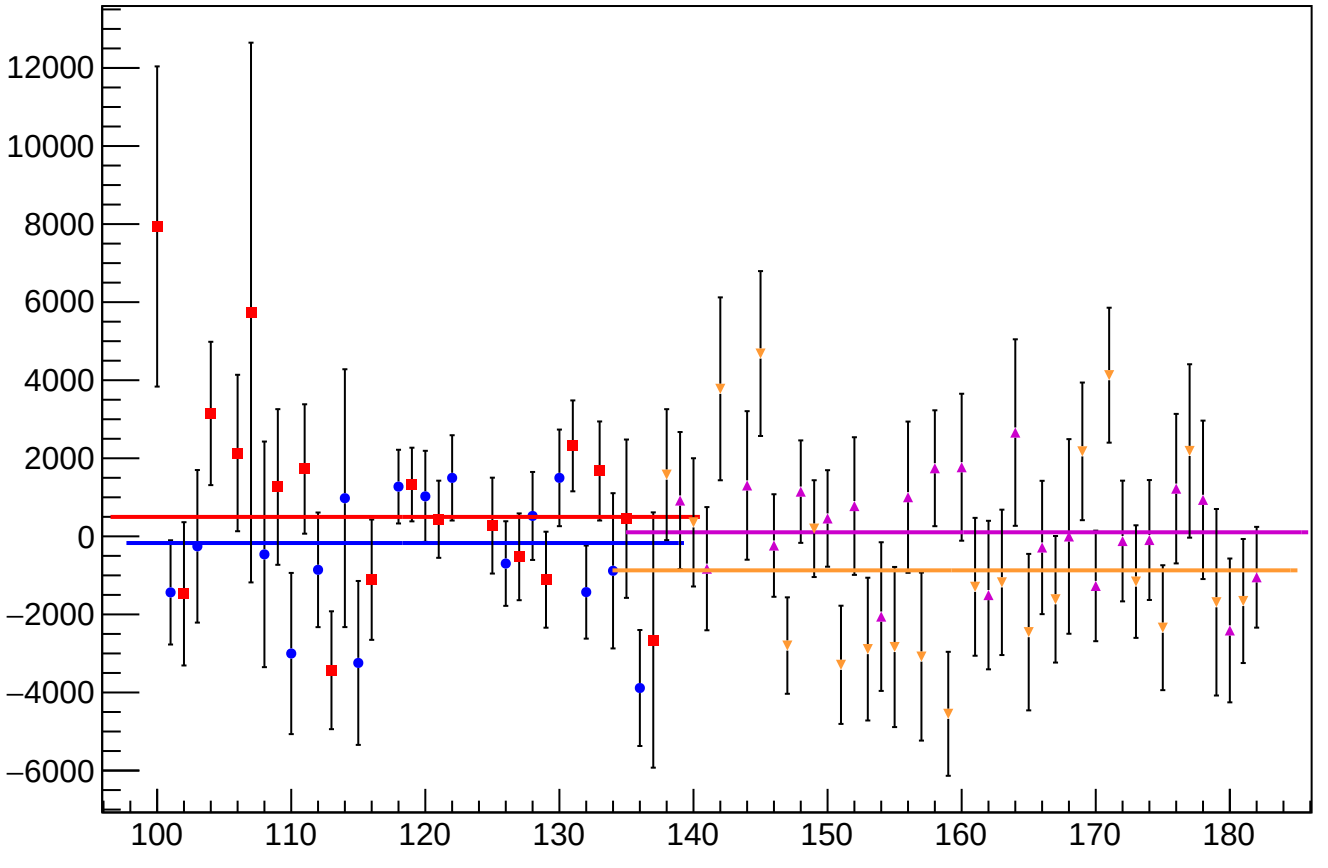
Left: 1105.652+/-0.131 χ^2/NDF: 5544.1/43

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

In: 1104.363+/-0.155 χ^2/NDF:15029.3/37

Out: 1106.846+/-0.157 χ^2/NDF:9789.5/39

All: 1105.591+/-0.110 χ^2/NDF: 24945.3/77



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

Left Out: -871.047+/-363.637 χ^2/NDF:43.2/21

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

Left In: 104.257+/-350.893 χ^2/NDF:11.5/21

Left: -366.006+/-252.504 χ^2/NDF: 58.4/43

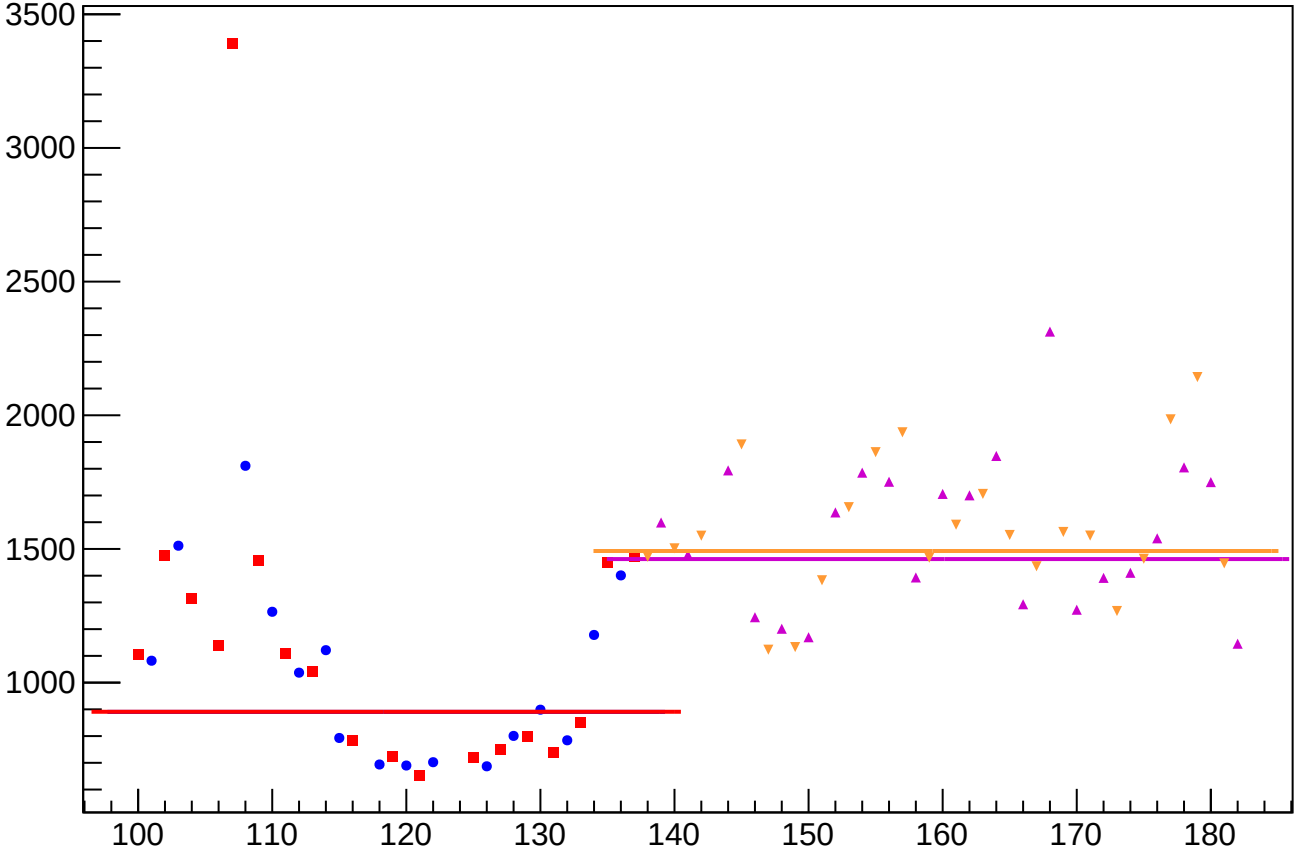
Right: 163.915+/-244.498 χ^2/NDF: 46.7/33

In: -35.276+/-246.364 χ^2/NDF:32.7/37

Out: -151.684+/-250.497 χ^2/NDF:74.6/39

All: -92.512+/-175.648 χ^2/NDF: 107.4/77

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1492.293+/-0.257 χ^2/NDF:936197.6/21

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

Left In: 1462.158+/-0.248 χ^2/NDF:1086035.1/21

Left: 1476.688+/-0.179 χ^2/NDF: 2029345.4/43

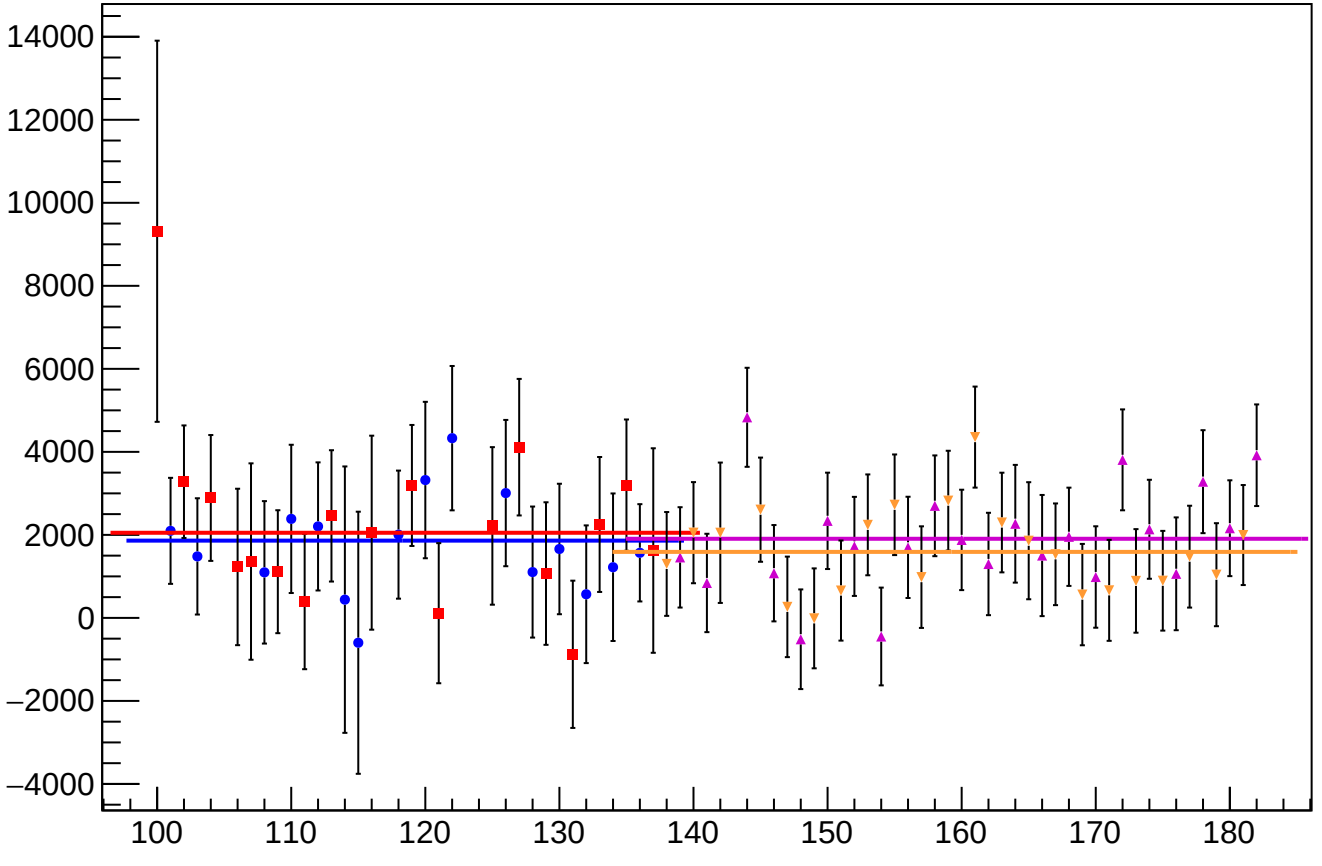
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1172.297+/-0.174 χ^2/NDF:4906380.2/37

Out: 1176.302+/-0.177 χ^2/NDF:5152085.7/39

All: 1174.266+/-0.124 χ^2/NDF: 10058725.9/7

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1590.256+/-264.446 χ^2/NDF:14.8/21

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

Left In: 1906.160+/-260.519 χ^2/NDF:24.0/21

Left: 1750.571+/-185.588 χ^2/NDF: 39.4/43

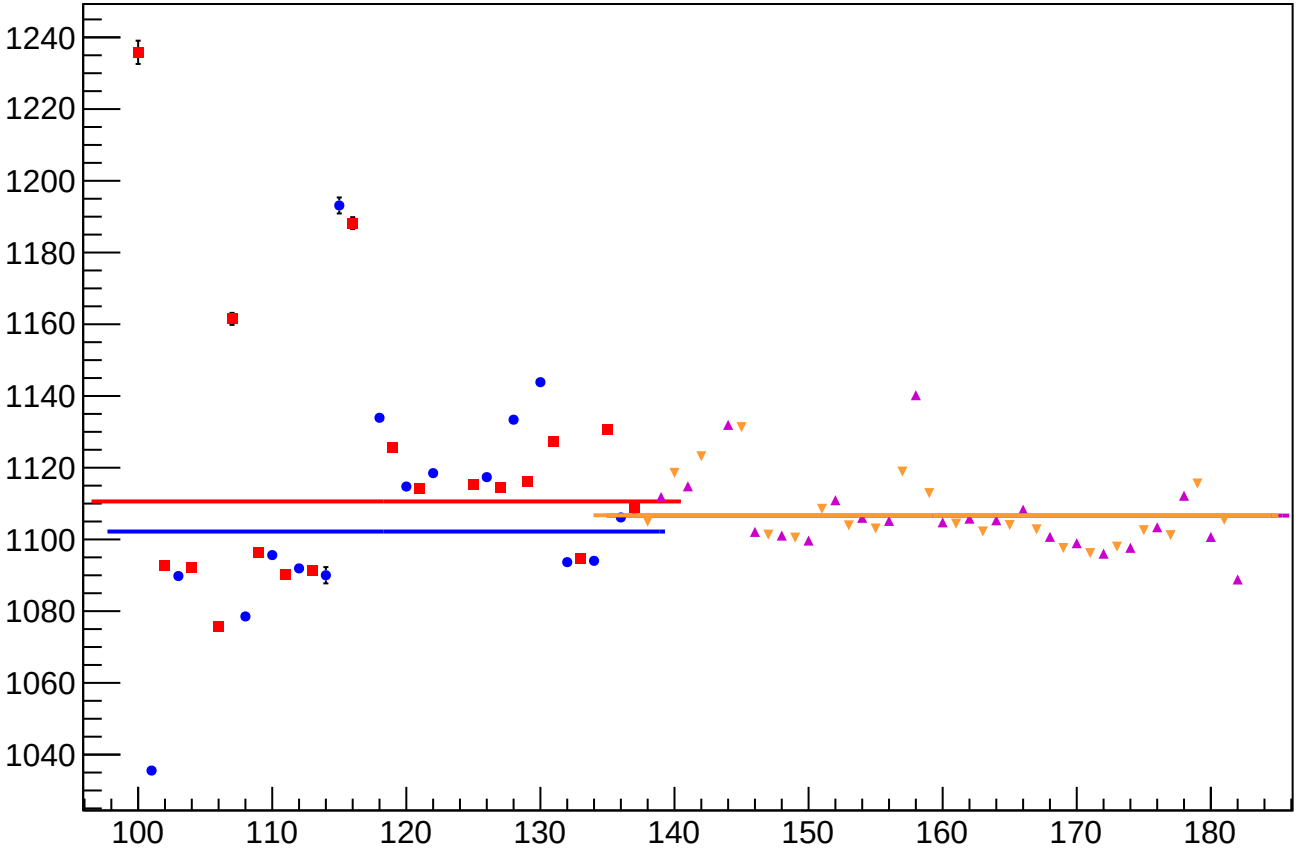
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1893.301+/-219.811 χ^2/NDF:29.3/37

Out: 1725.923+/-222.111 χ^2/NDF:28.2/39

All: 1810.483+/-156.237 χ^2/NDF: 57.8/77

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.741+/-0.187 χ^2/NDF:2119.9/21

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

Left In: 1106.651+/-0.184 χ^2/NDF:3669.5/21

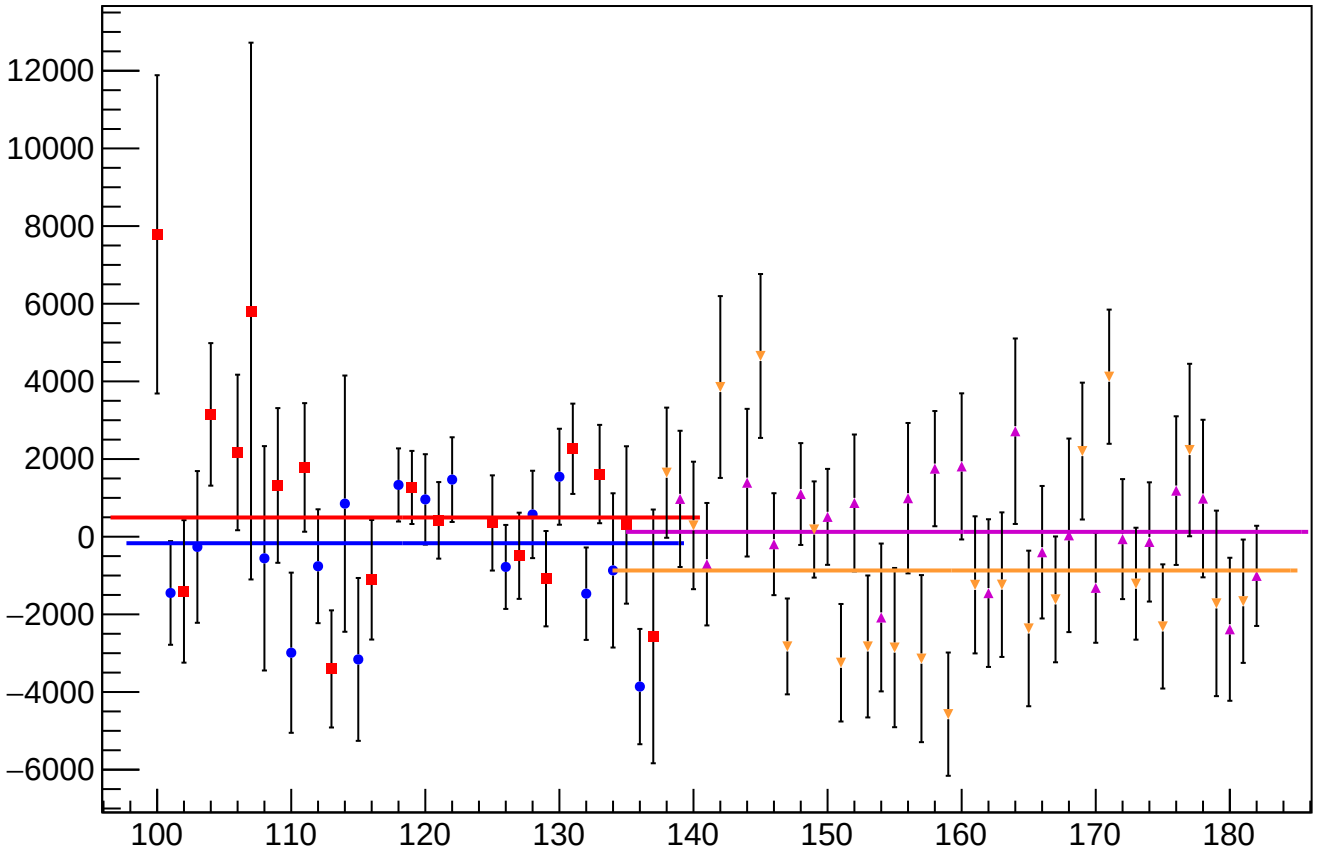
Left: 1106.695+/-0.131 χ^2/NDF: 5789.5/43

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

In: 1105.370+/-0.155 χ^2/NDF:15186.3/37

Out: 1107.875+/-0.157 χ^2/NDF:9940.8/39

All: 1106.610+/-0.110 χ^2/NDF: 25255.6/77



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

Left Out: -869.961+/-363.435 χ^2/NDF:43.4/21

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

Left In: 124.634+/-350.697 χ^2/NDF:11.5/21

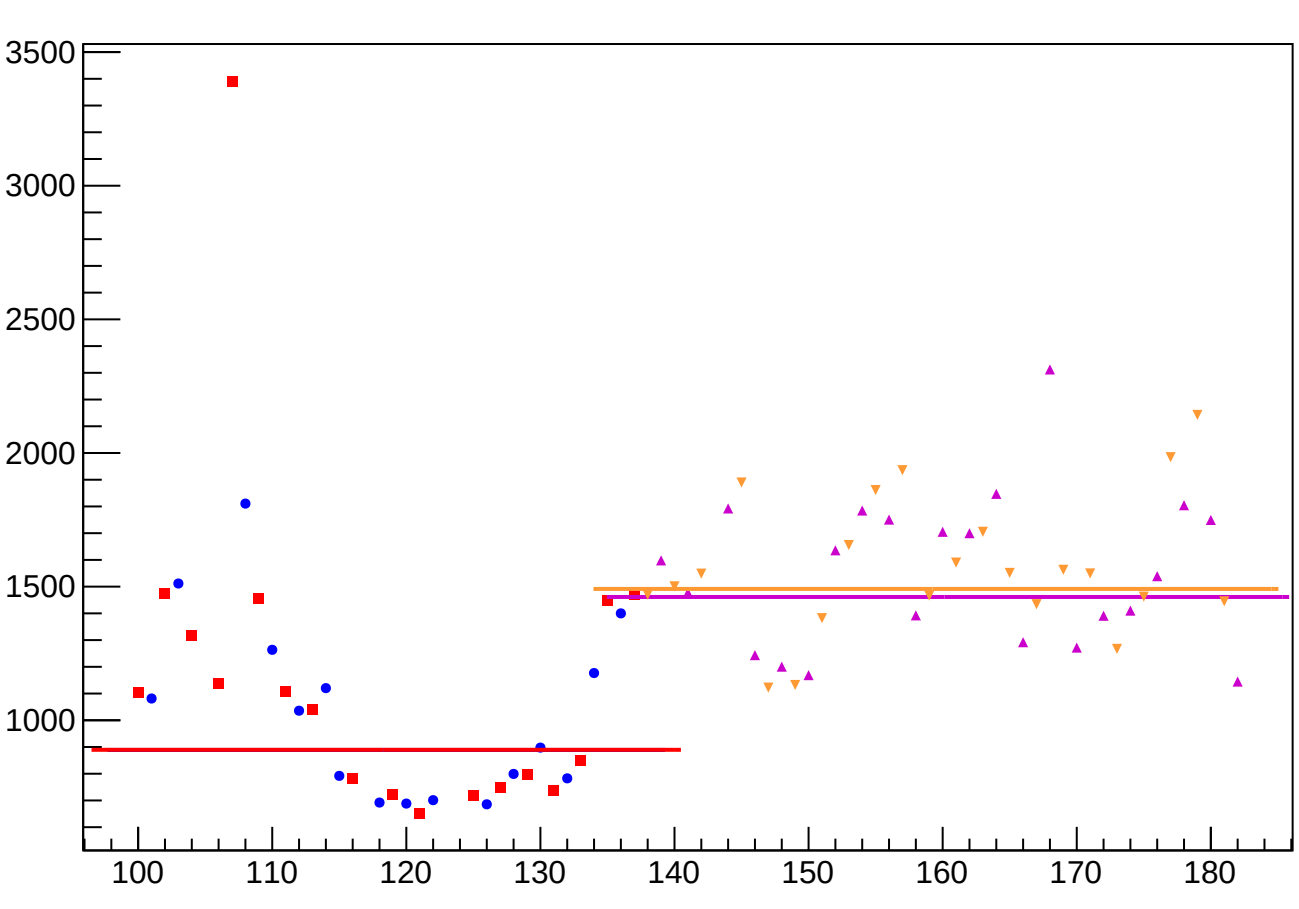
Left: -354.928+/-252.363 χ^2/NDF: 58.9/43

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

In: -23.837+/-246.101 χ^2/NDF:32.9/37

Out: -152.001+/-250.236 χ^2/NDF:74.1/39

All: -86.851+/-175.463 χ^2/NDF: 107.2/77



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

Left Out: 1491.421+/-0.257 χ^2/NDF:937681.6/21

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

Left In: 1461.302+/-0.248 χ^2/NDF:1087601.4/21

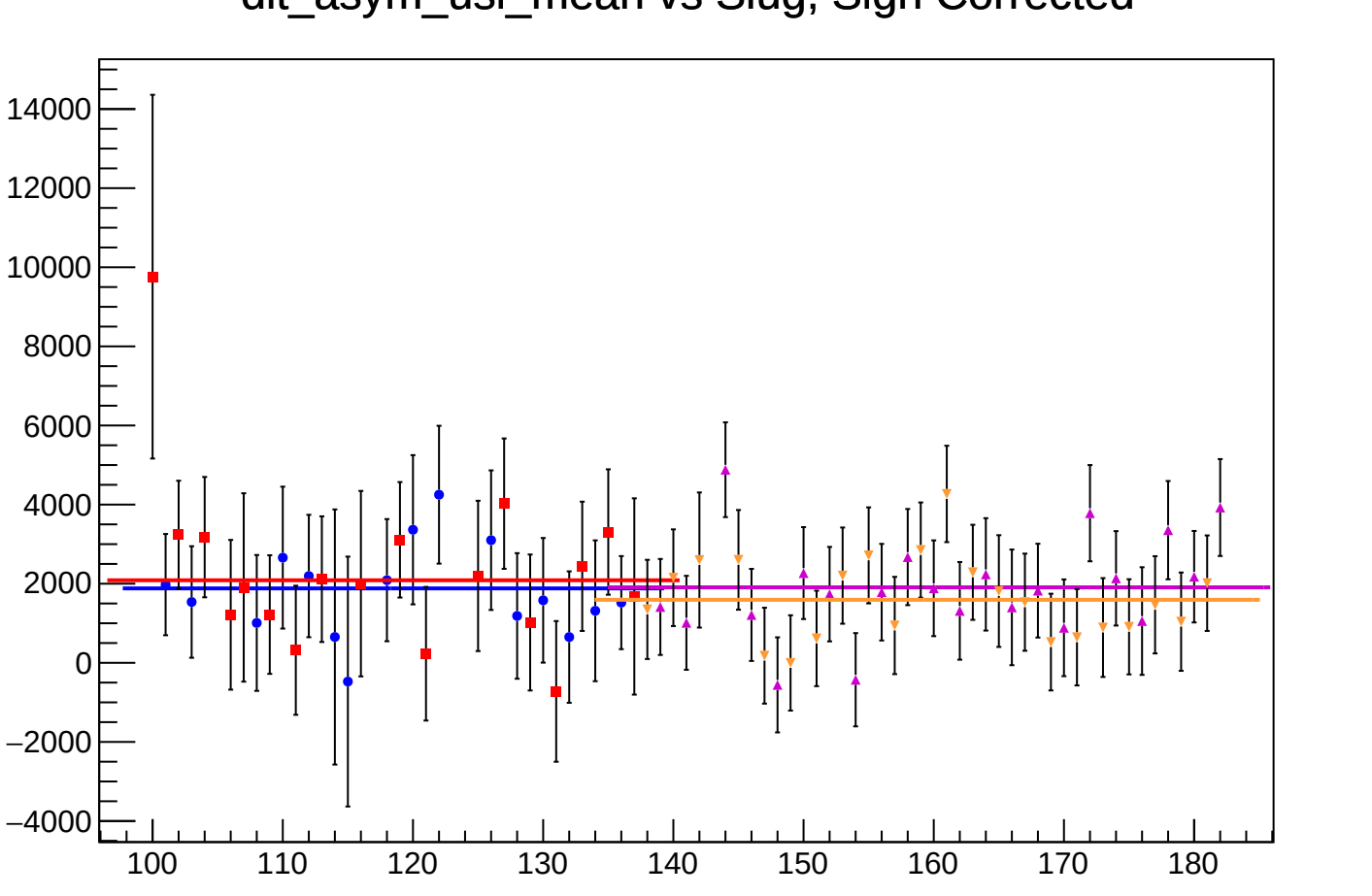
Left: 1475.825+/-0.178 χ^2/NDF: 2032395.6/43

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

In: 1170.808+/-0.174 χ^2/NDF:4924090.1/37

Out: 1174.843+/-0.177 χ^2/NDF:5168868.7/39

All: 1172.792+/-0.124 χ^2/NDF: 10093223.2/7



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

Left Out: 1593.550+/-264.947 χ^2/NDF:15.0/21

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

Left In: 1908.336+/-260.938 χ^2/NDF:23.9/21

Left: 1753.343+/-185.912 χ^2/NDF: 39.7/43

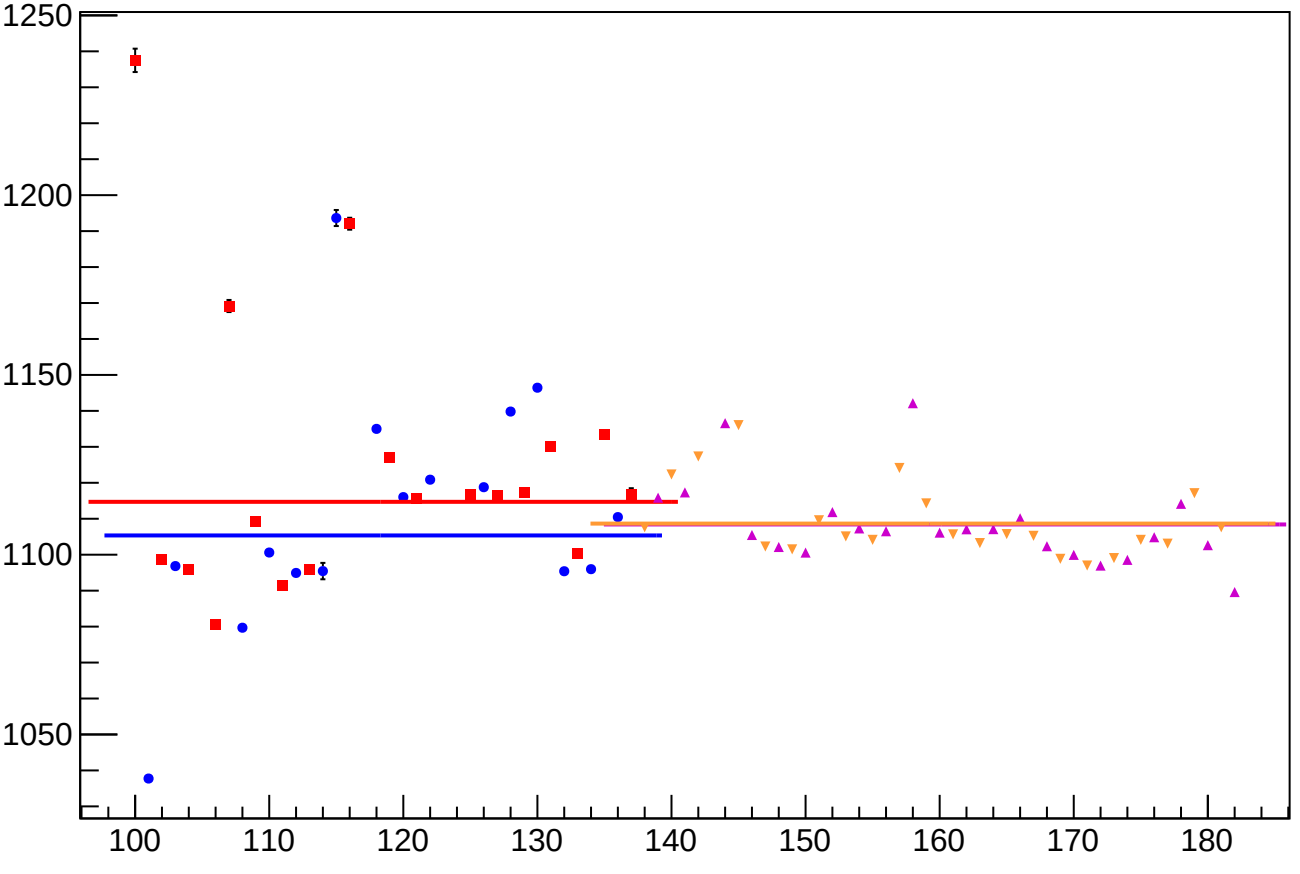
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1900.626+/-220.245 χ^2/NDF:29.1/37

Out: 1738.484+/-222.653 χ^2/NDF:28.4/39

All: 1820.436+/-156.581 χ^2/NDF: 57.8/77

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1108.650+/-0.187 χ^2/NDF:2637.2/21

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

Left In: 1108.412+/-0.185 χ^2/NDF:4065.9/21

Left: 1108.529+/-0.131 χ^2/NDF: 6704.0/43

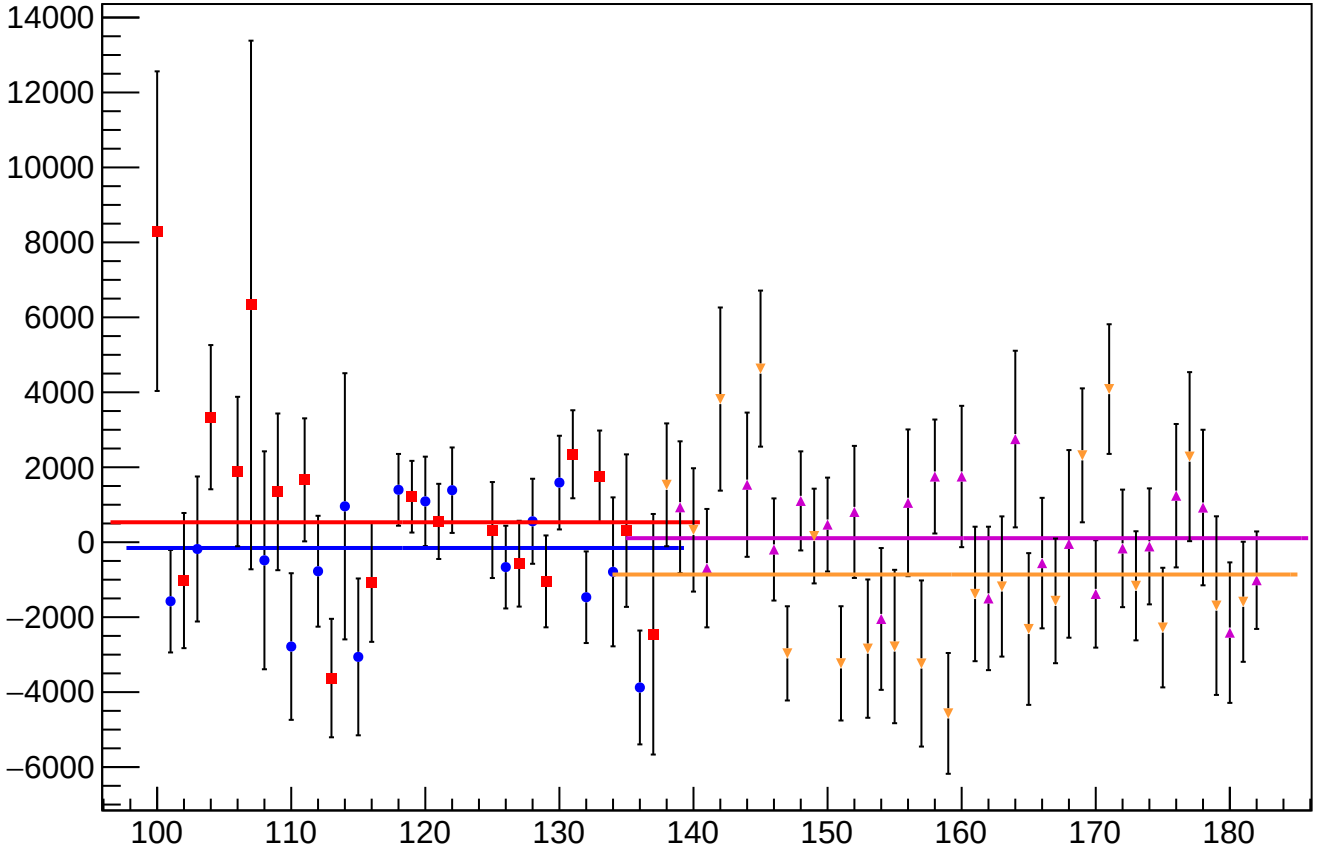
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1107.533+/-0.156 χ^2/NDF:15475.7/37

Out: 1110.429+/-0.157 χ^2/NDF:10274.4/39

All: 1108.965+/-0.111 χ^2/NDF: 25921.2/77

asym_usl_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: -861.797+/-366.956 χ^2/NDF:42.9/21

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

Left In: 107.765+/-354.603 χ^2/NDF:11.6/21

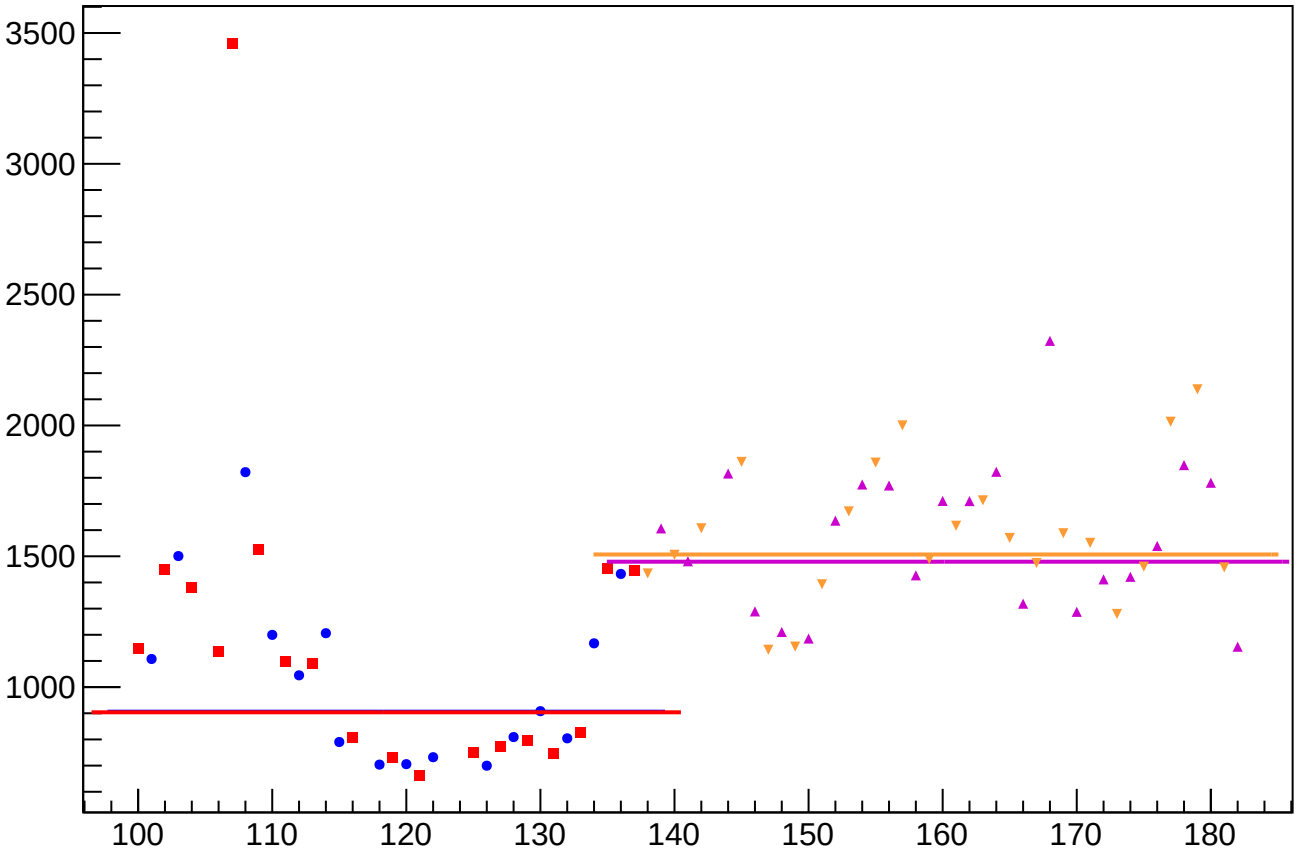
Left: -360.422+/-254.998 χ^2/NDF: 58.1/43

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

In: -24.335+/-249.573 χ^2/NDF:32.4/37

Out: -132.681+/-253.424 χ^2/NDF:73.7/39

All: -77.678+/-177.820 χ^2/NDF: 106.1/77



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

Left Out: 1506.929+/-0.259 χ^2/NDF:907545.5/21

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

Left In: 1479.280+/-0.251 χ^2/NDF:1044831.6/21

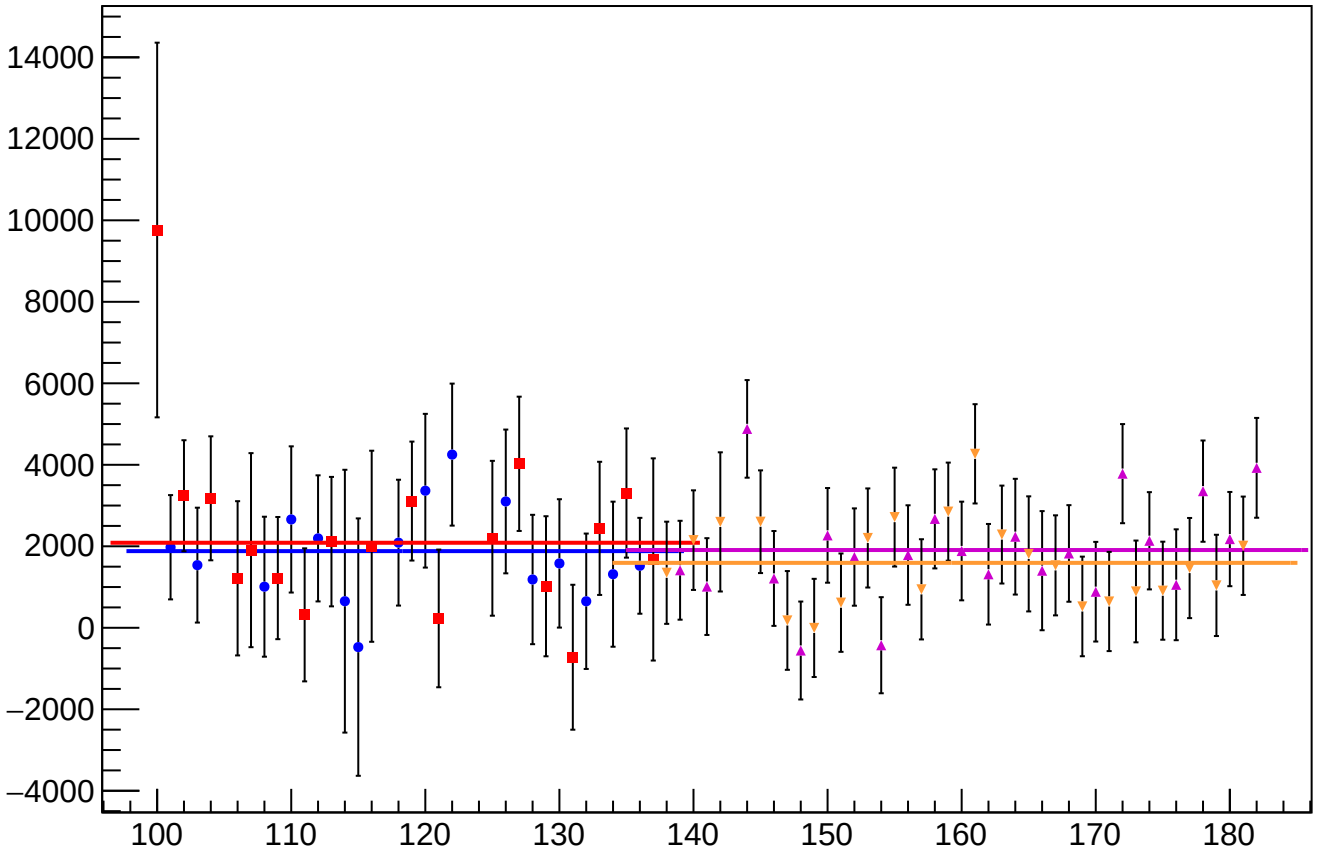
Left: 1492.631+/-0.180 χ^2/NDF: 1958248.8/43

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

In: 1189.990+/-0.176 χ^2/NDF:4761918.3/37

Out: 1191.434+/-0.179 χ^2/NDF:5073961.6/39

All: 1190.701+/-0.126 χ^2/NDF: 9835912.8/77



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

Left Out: 1593.547+/-264.947 χ^2/NDF:15.0/21

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

Left In: 1908.338+/-260.938 χ^2/NDF:23.9/21

Left: 1753.342+/-185.912 χ^2/NDF: 39.7/43

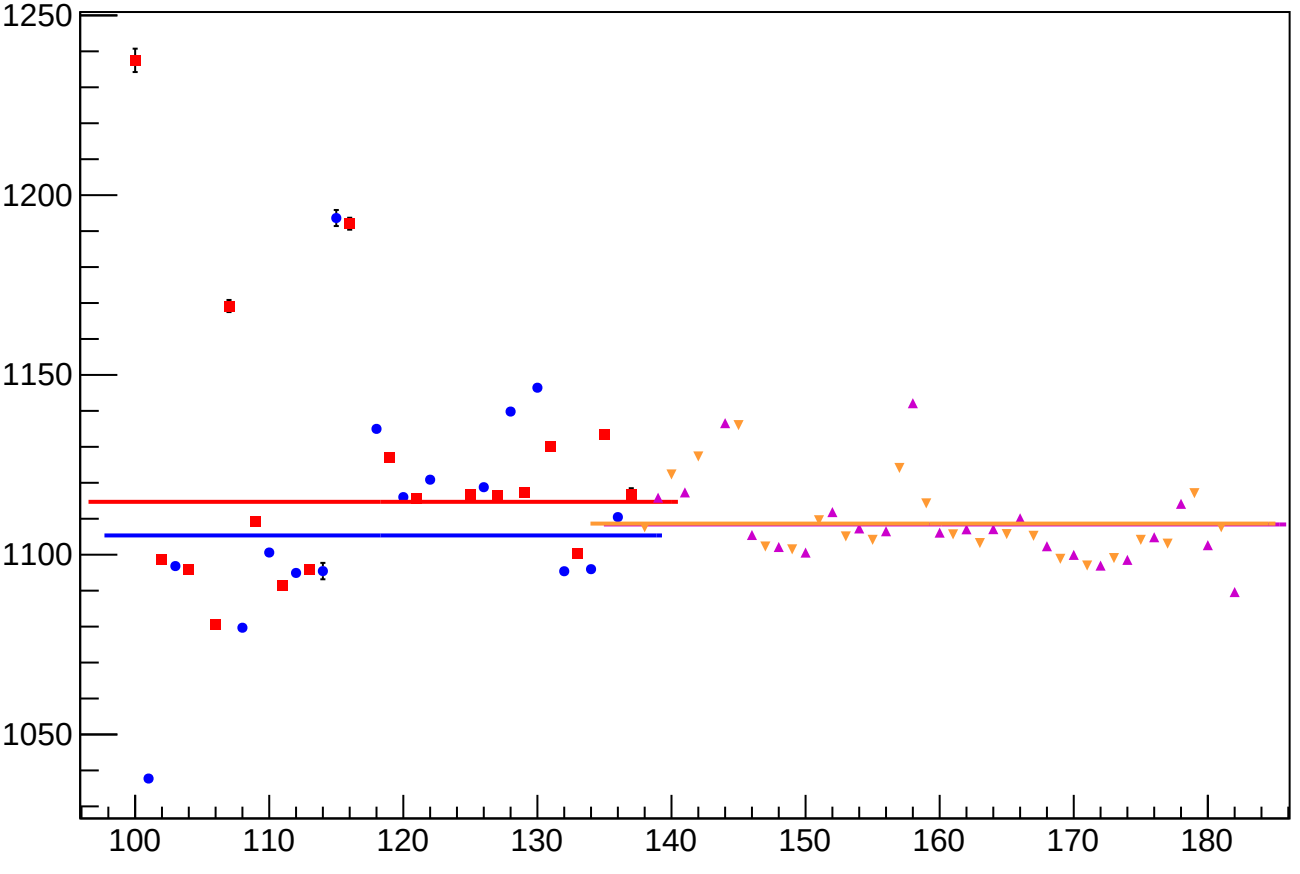
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1900.626+/-220.245 χ^2/NDF:29.1/37

Out: 1738.481+/-222.653 χ^2/NDF:28.4/39

All: 1820.435+/-156.581 χ^2/NDF: 57.8/77

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1108.650+/-0.187 χ^2/NDF:2637.2/21

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

Left In: 1108.412+/-0.185 χ^2/NDF:4065.9/21

Left: 1108.529+/-0.131 χ^2/NDF: 6704.0/43

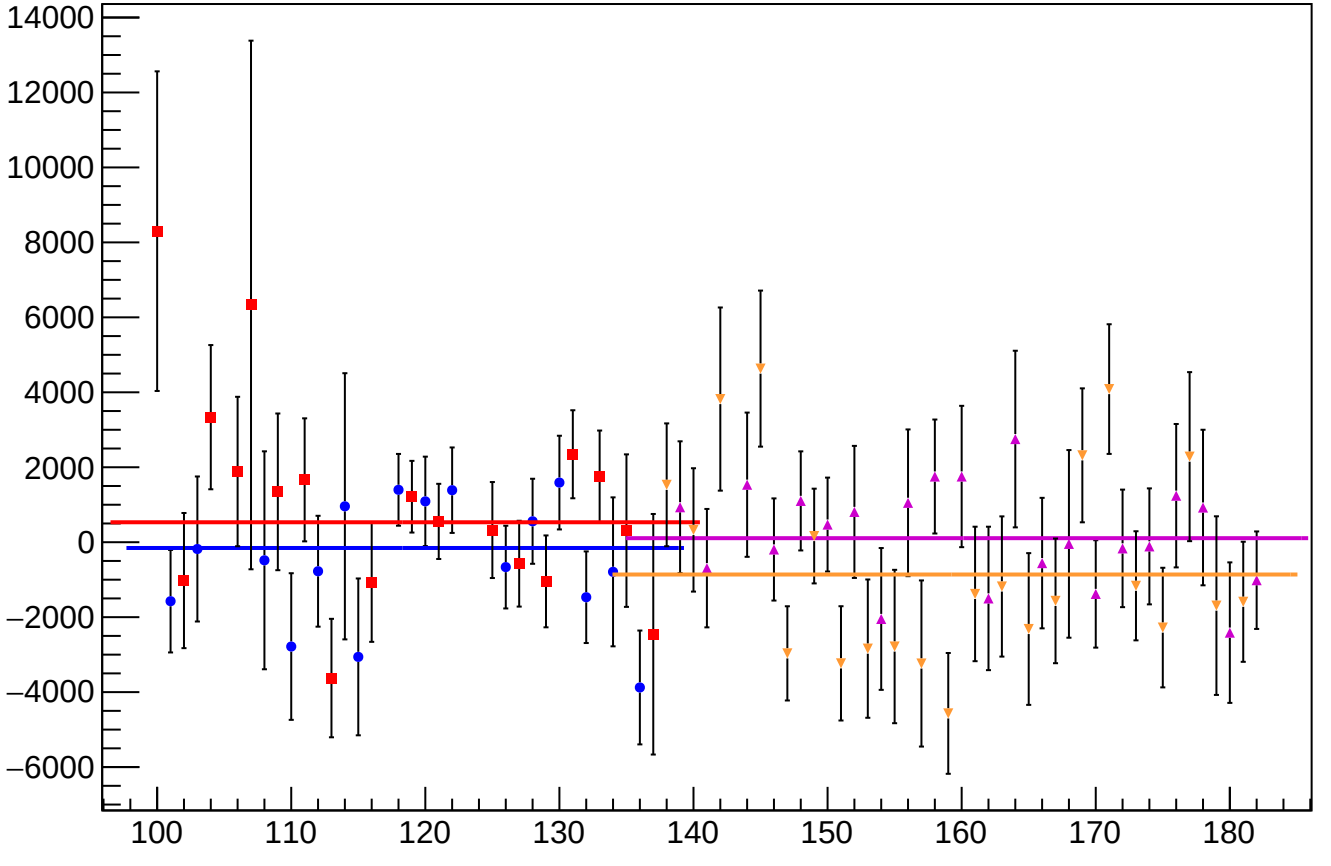
Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1107.533+/-0.156 χ^2/NDF:15475.8/37

Out: 1110.429+/-0.157 χ^2/NDF:10274.3/39

All: 1108.965+/-0.111 χ^2/NDF: 25921.1/77

asym_usl_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: -861.801+/-366.956 χ^2/NDF:42.9/21

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

Left In: 107.766+/-354.604 χ^2/NDF:11.6/21

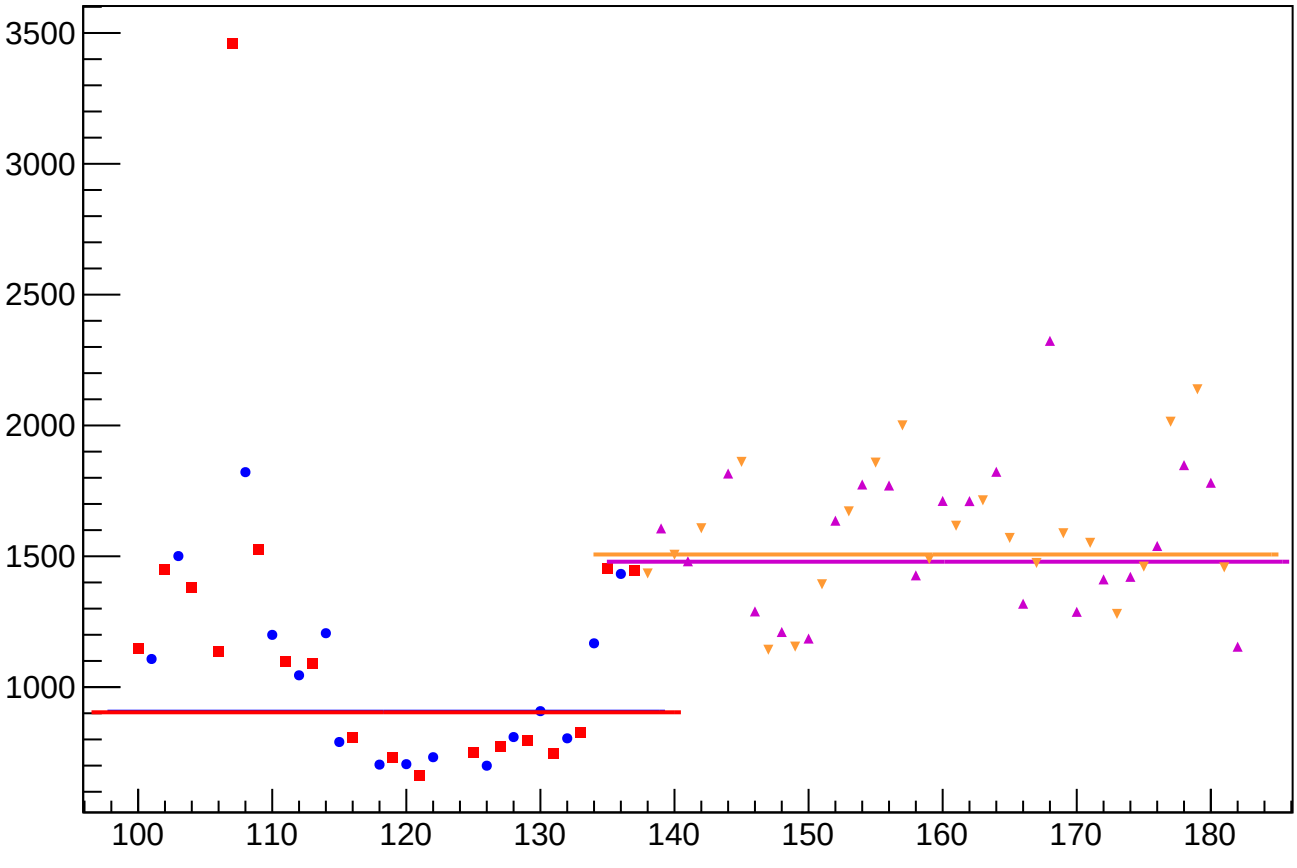
Left: -360.424+/-254.998 χ^2/NDF: 58.1/43

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

In: -24.335+/-249.572 χ^2/NDF:32.4/37

Out: -132.681+/-253.424 χ^2/NDF:73.7/39

All: -77.678+/-177.820 χ^2/NDF: 106.1/77



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

Left Out: 1506.931+/-0.259 χ^2/NDF:907541.8/21

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

Left In: 1479.281+/-0.251 χ^2/NDF:1044828.9/21

Left: 1492.633+/-0.180 χ^2/NDF: 1958242.4/43

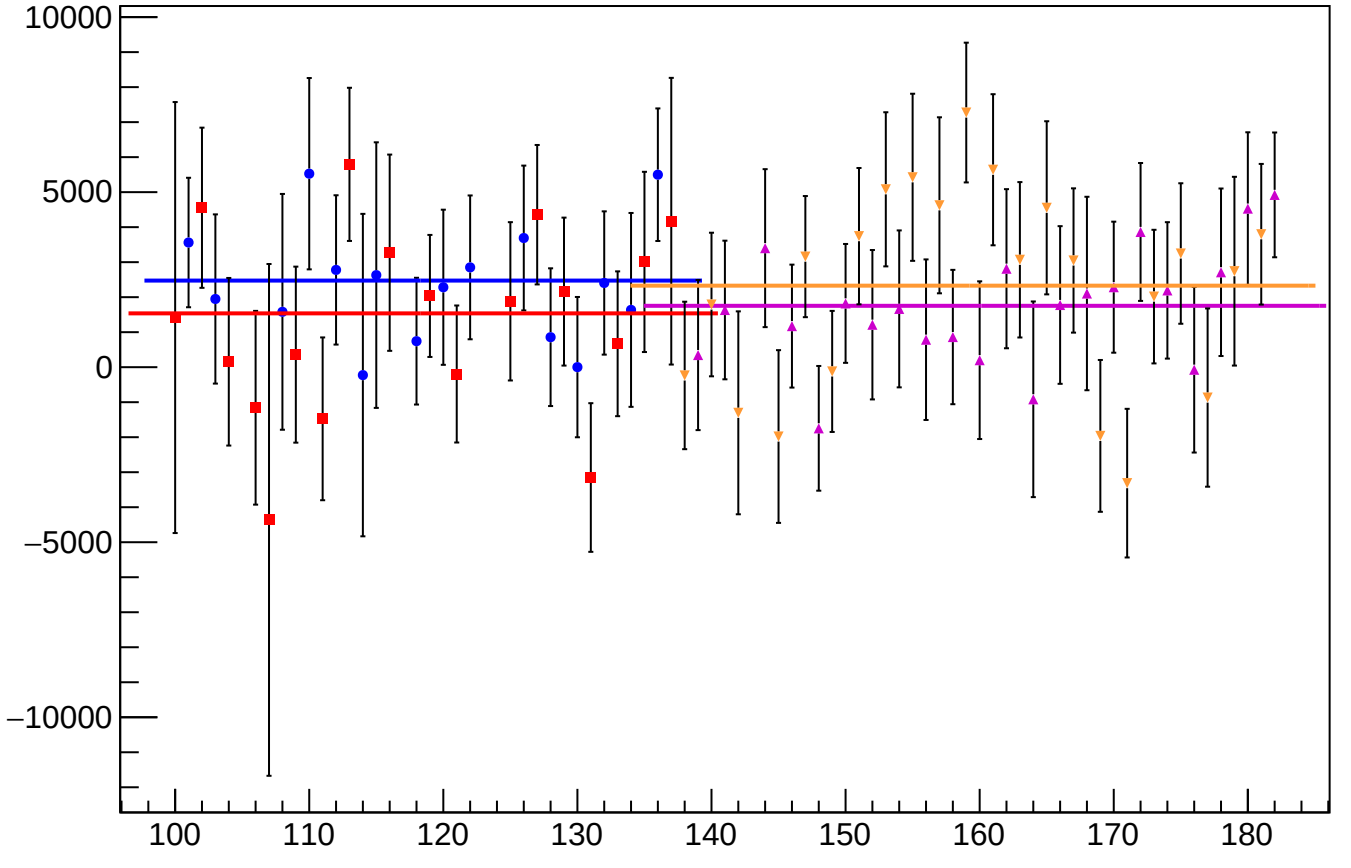
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1189.989+/-0.176 χ^2/NDF:4761953.9/37

Out: 1191.432+/-0.179 χ^2/NDF:5073998.4/39

All: 1190.699+/-0.126 χ^2/NDF: 9835985.3/77

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2328.774+/-457.214 χ^2/NDF:35.9/21

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

Left In: 1753.349+/-444.216 χ^2/NDF:13.8/21

Left: 2032.766+/-318.604 χ^2/NDF: 50.6/43

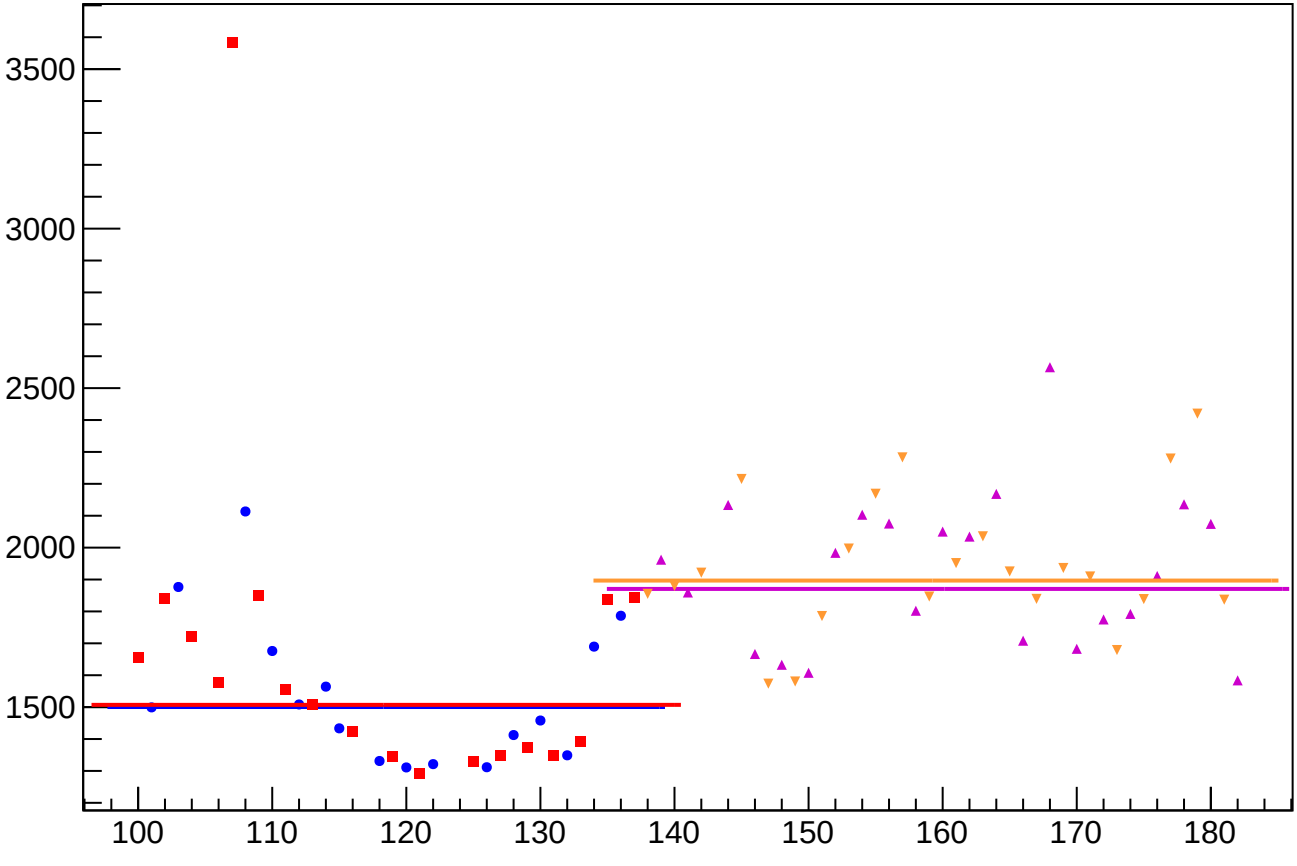
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 2030.000+/-348.686 χ^2/NDF:23.1/37

Out: 2014.660+/-355.058 χ^2/NDF:55.6/39

All: 2022.469+/-248.781 χ^2/NDF: 78.7/77

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1896.746+/-0.323 χ^2/NDF:417925.7/21

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

Left In: 1870.544+/-0.314 χ^2/NDF:492421.5/21

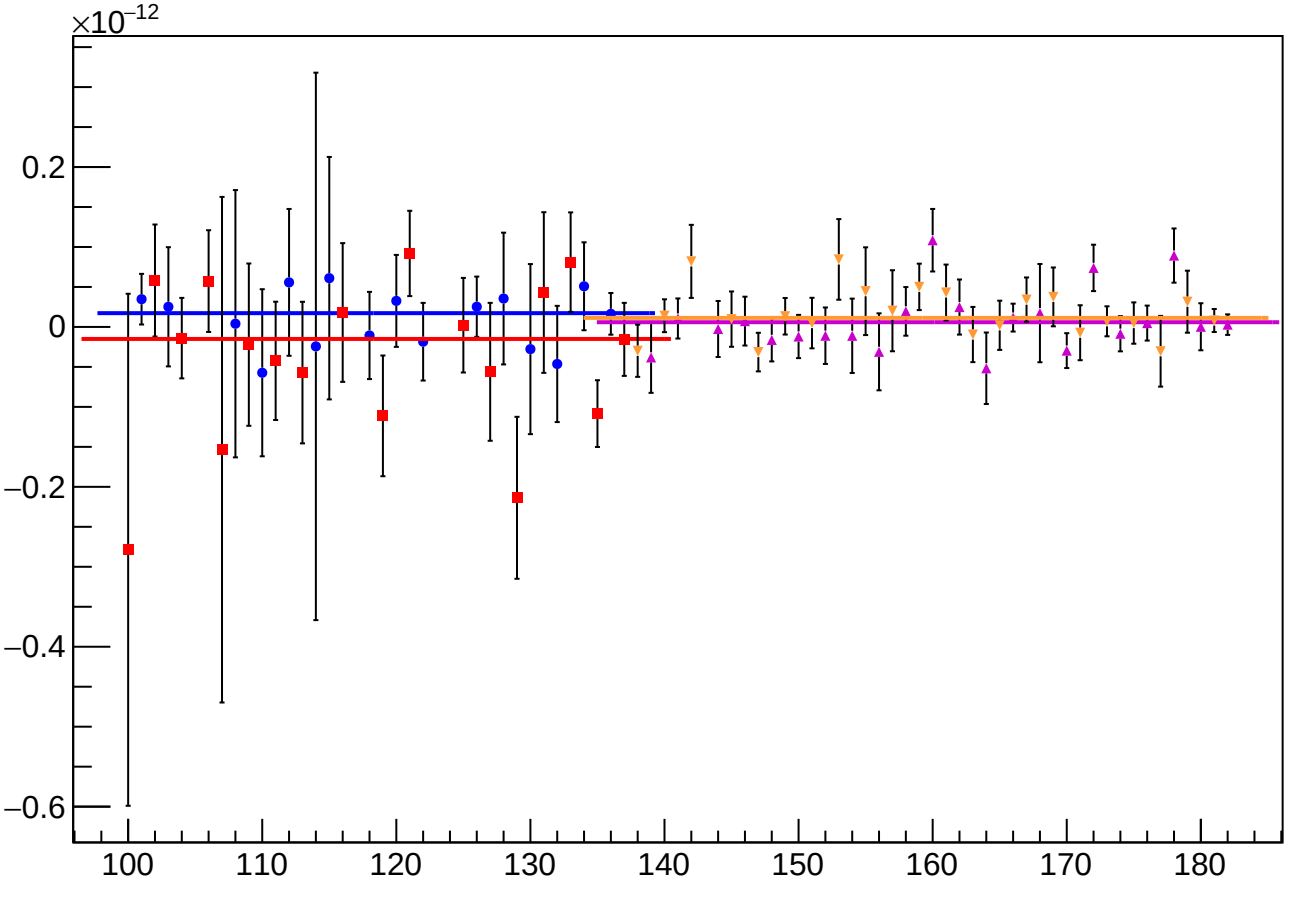
Left: 1883.268+/-0.225 χ^2/NDF: 913726.1/43

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

In: 1728.453+/-0.247 χ^2/NDF:1284311.2/37

Out: 1742.079+/-0.251 χ^2/NDF:1395736.6/39

All: 1735.143+/-0.176 χ^2/NDF: 2681547.3/77



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

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/21

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

Left In: 0.000+/-0.000 χ^2/NDF:27.0/21

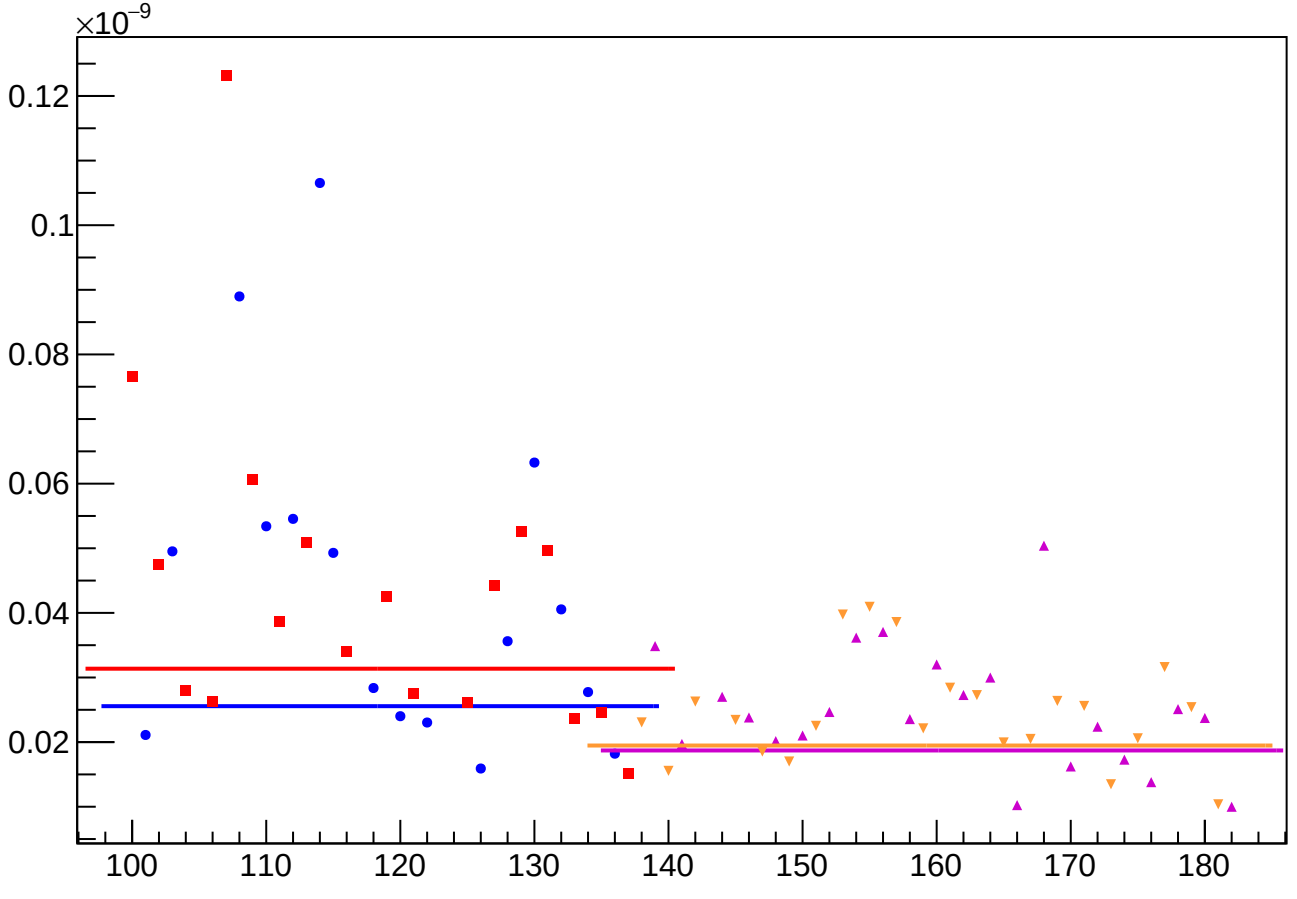
Left: 0.000+/-0.000 χ^2/NDF: 43.0/43

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:31.0/37

Out: 0.000+/-0.000 χ^2/NDF:39.2/39

All: 0.000+/-0.000 χ^2/NDF: 70.2/77



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

Left Out: 0.000+/-0.000 χ^2/NDF:2716709.8/21

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

Left In: 0.000+/-0.000 χ^2/NDF:3838530.3/21

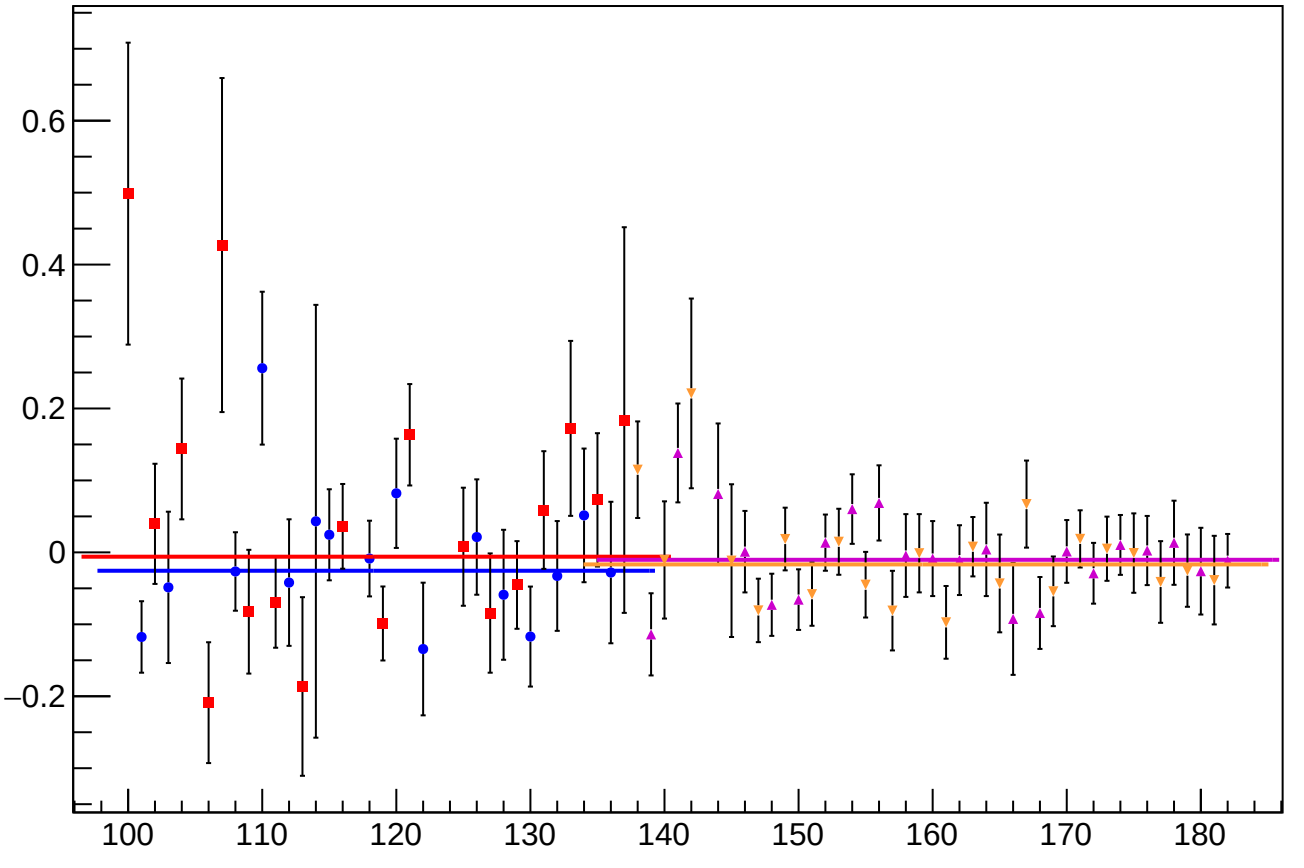
Left: 0.000+/-0.000 χ^2/NDF: 6572139.6/43

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

In: 0.000+/-0.000 χ^2/NDF:5982393.0/37

Out: 0.000+/-0.000 χ^2/NDF:4902149.1/39

All: 0.000+/-0.000 χ^2/NDF: 10931905.4/77



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

Left Out: -0.017+/-0.011 χ^2/NDF:20.1/21

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

Left In: -0.010+/-0.011 χ^2/NDF:21.7/21

Left: -0.013+/-0.008 χ^2/NDF: 41.9/43

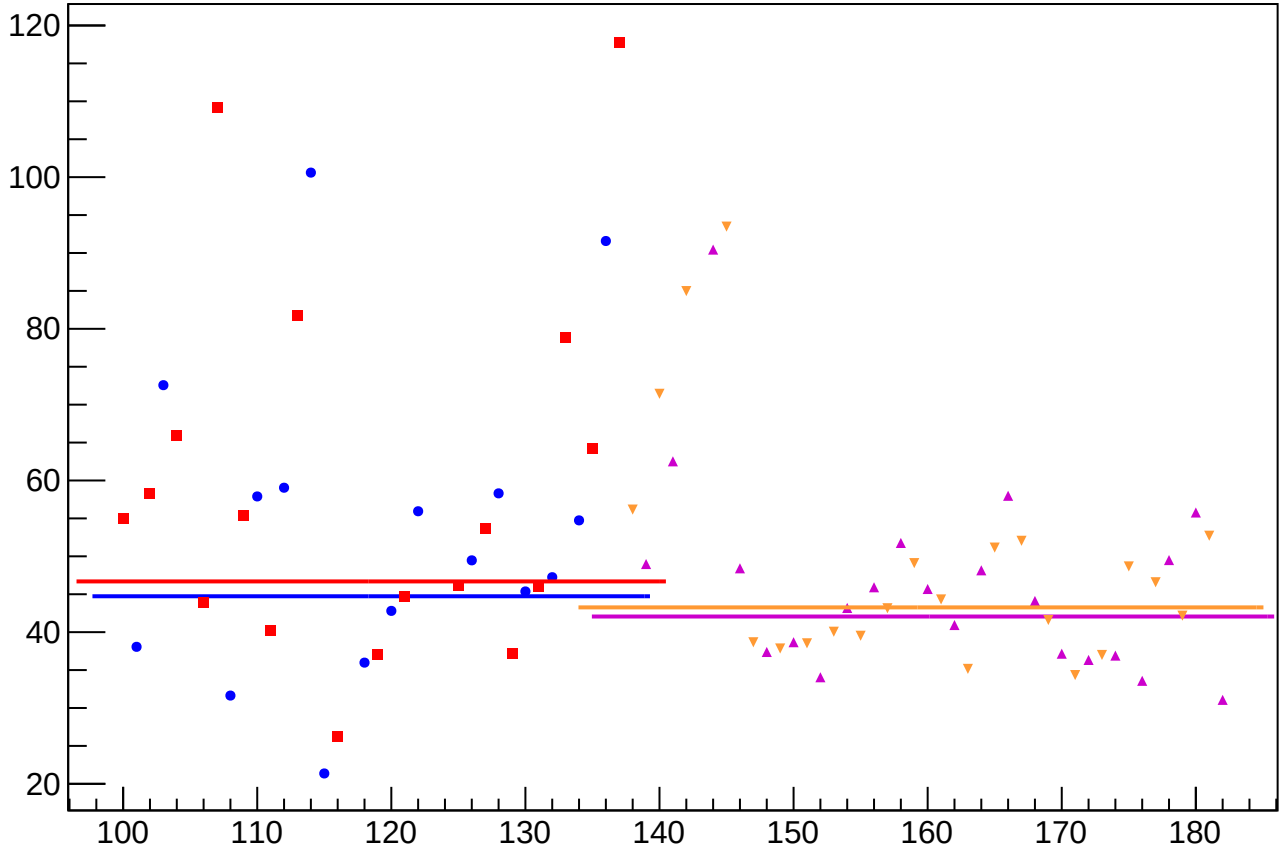
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.009 χ^2/NDF:39.8/37

Out: -0.014+/-0.010 χ^2/NDF:56.8/39

All: -0.014+/-0.007 χ^2/NDF: 96.6/77

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: 43.266+/-0.008 χ^2/NDF:1446567.0/21

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

Left In: 42.063+/-0.008 χ^2/NDF:1489452.7/21

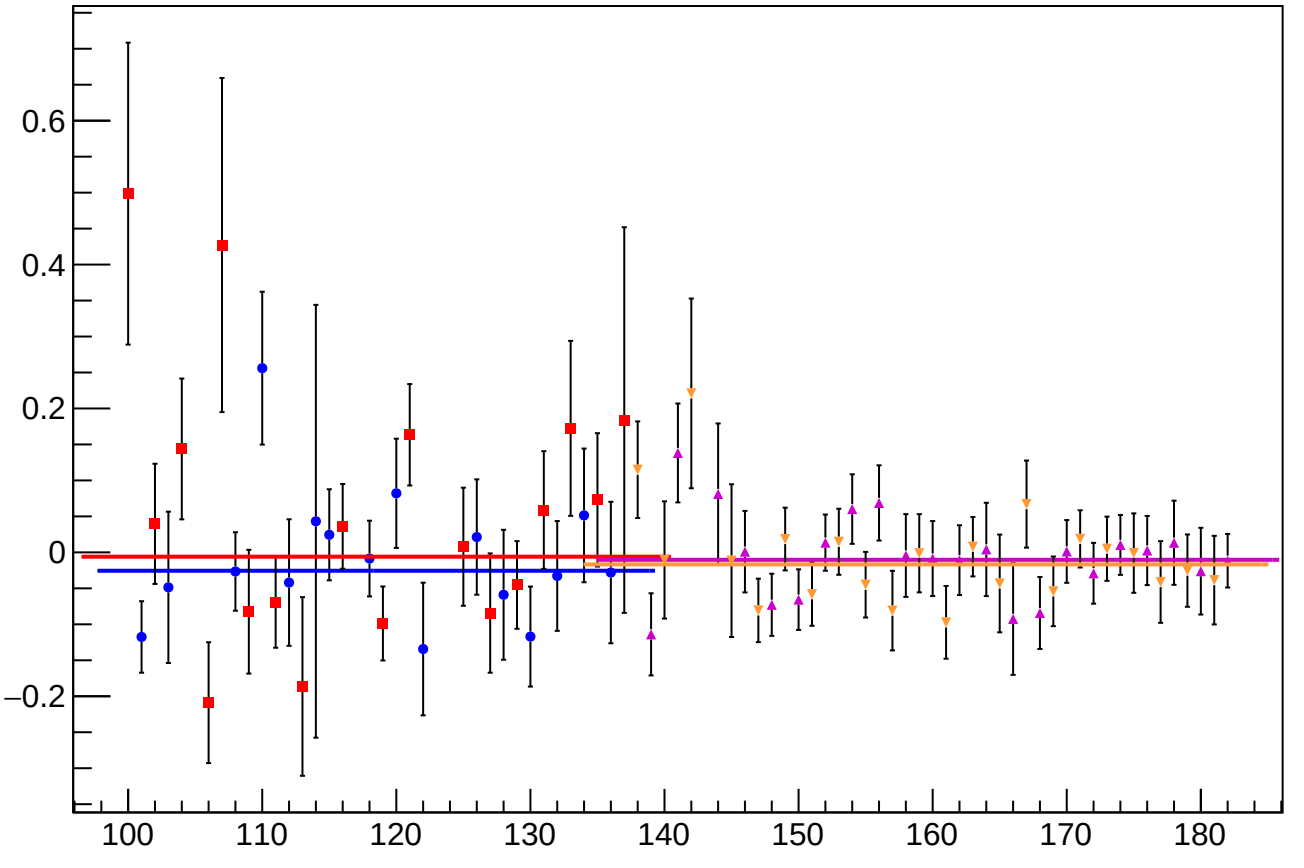
Left: 42.638+/-0.005 χ^2/NDF: 2948155.6/43

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

In: 42.716+/-0.007 χ^2/NDF:2854584.0/37

Out: 44.118+/-0.007 χ^2/NDF:2688885.6/39

All: 43.388+/-0.005 χ^2/NDF: 5565349.1/77



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

Left Out: -0.017+/-0.011 χ^2/NDF:20.1/21

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

Left In: -0.010+/-0.011 χ^2/NDF:21.7/21

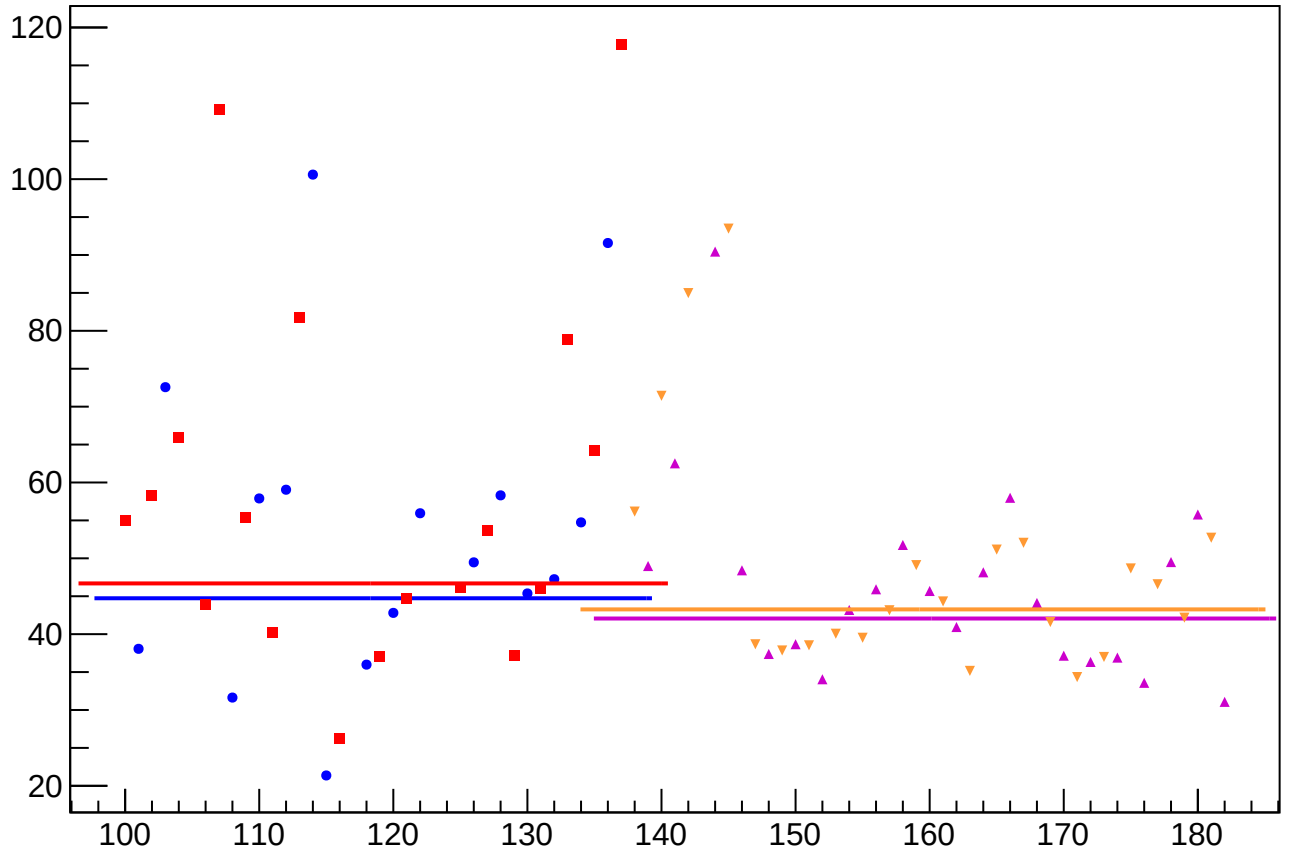
Left: -0.013+/-0.008 χ^2/NDF: 41.9/43

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

In: -0.014+/-0.009 χ^2/NDF:39.8/37

Out: -0.014+/-0.010 χ^2/NDF:56.8/39

All: -0.014+/-0.007 χ^2/NDF: 96.6/77



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

Left Out: 43.266+/-0.008 χ^2/NDF:1446567.0/21

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

Left In: 42.063+/-0.008 χ^2/NDF:1489452.7/21

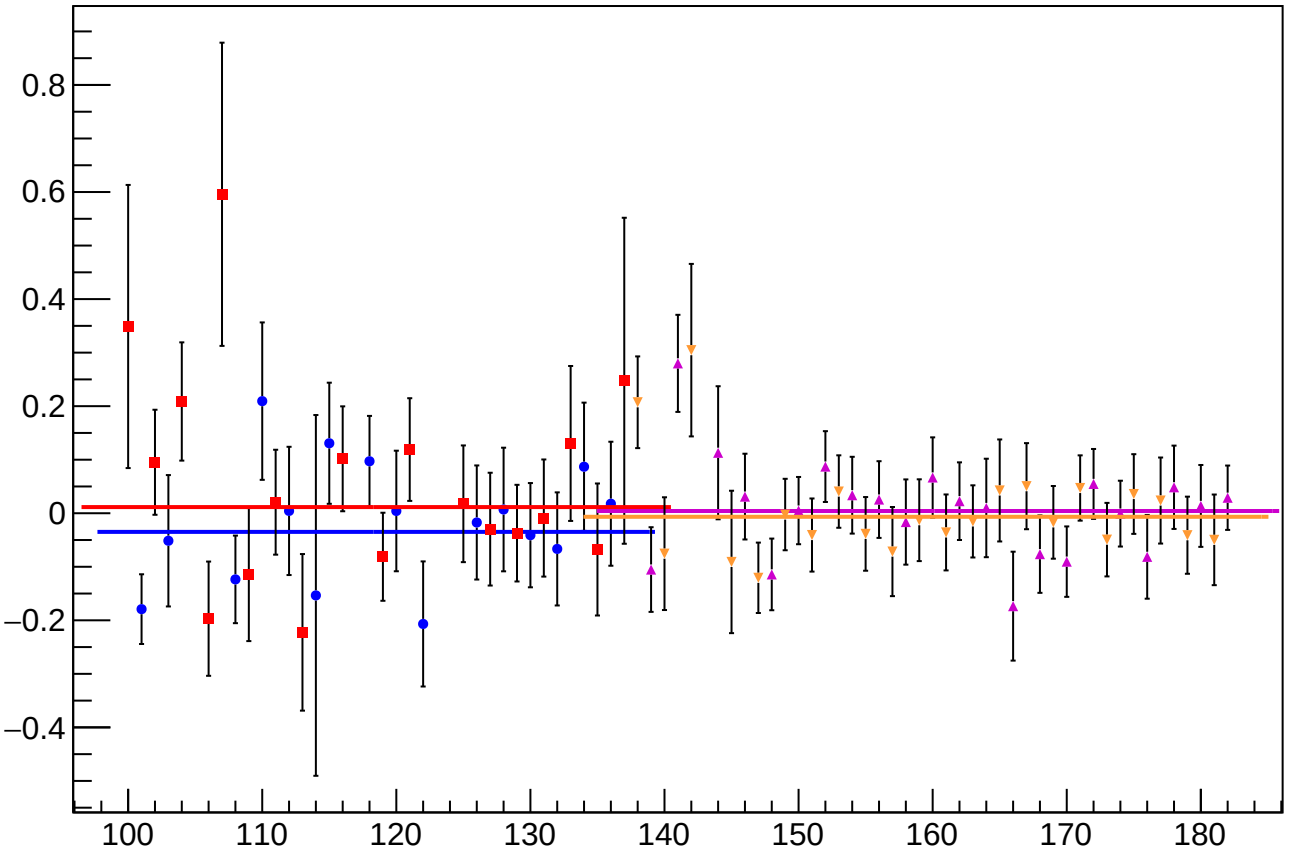
Left: 42.638+/-0.005 χ^2/NDF: 2948155.6/43

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

In: 42.716+/-0.007 χ^2/NDF:2854584.0/37

Out: 44.118+/-0.007 χ^2/NDF:2688885.6/39

All: 43.388+/-0.005 χ^2/NDF: 5565349.1/77



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

Left Out: -0.007+/-0.016 χ^2/NDF:18.5/21

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

Left In: 0.004+/-0.016 χ^2/NDF:26.5/21

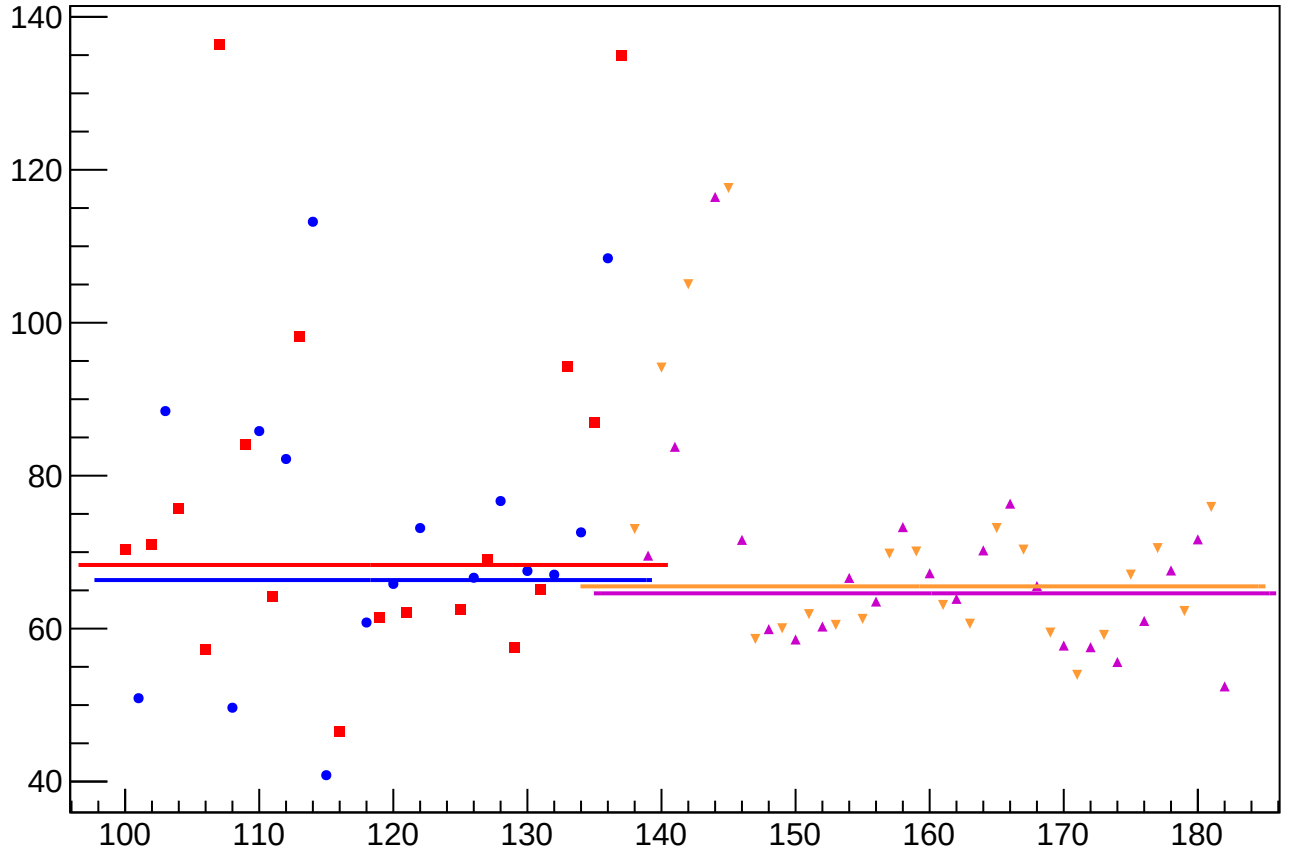
Left: -0.001+/-0.011 χ^2/NDF: 45.2/43

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

In: -0.006+/-0.014 χ^2/NDF:45.6/37

Out: -0.002+/-0.014 χ^2/NDF:41.6/39

All: -0.004+/-0.010 χ^2/NDF: 87.2/77



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 65.524+/-0.011 χ^2/NDF:842608.2/21

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

Left In: 64.612+/-0.011 χ^2/NDF:753716.6/21

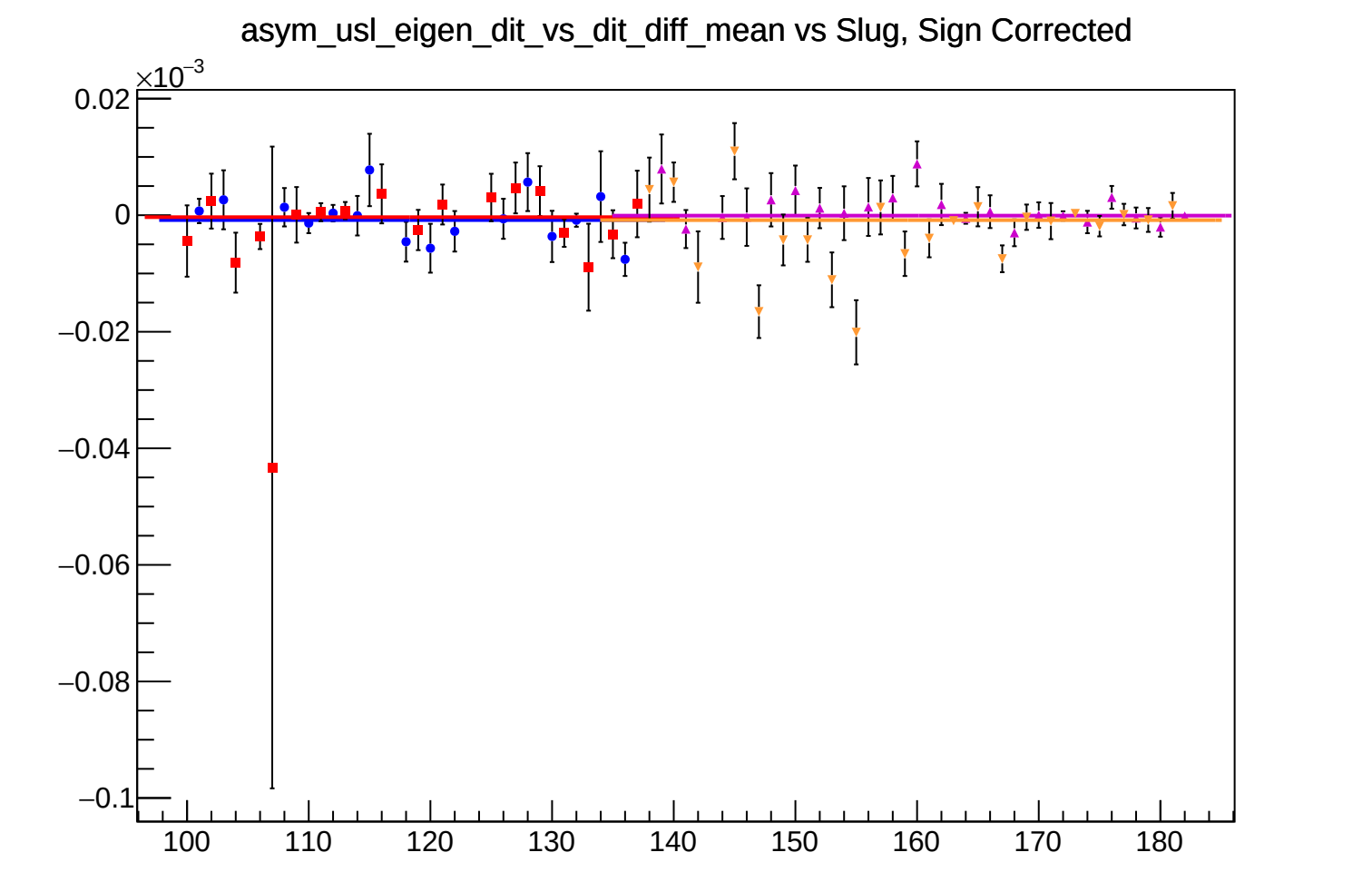
Left: 65.053+/-0.008 χ^2/NDF: 1599569.5/43

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

In: 65.071+/-0.010 χ^2/NDF:1532795.6/37

Out: 66.272+/-0.010 χ^2/NDF:1488134.2/39

All: 65.654+/-0.007 χ^2/NDF: 3028604.6/77



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:59.7/21

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

Left In: -0.000+/-0.000 χ^2/NDF:16.5/21

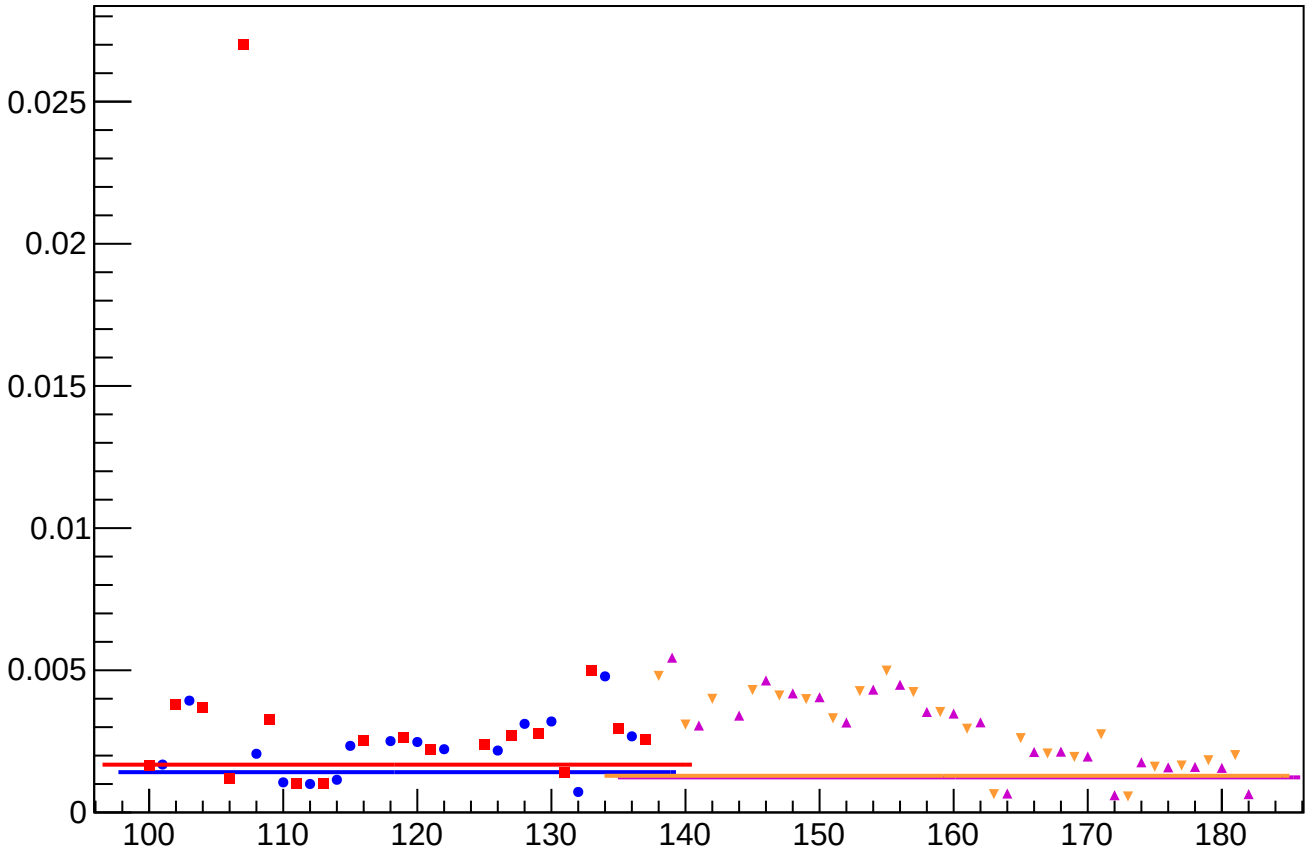
Left: -0.000+/-0.000 χ^2/NDF: 78.1/43

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:32.6/37

Out: -0.000+/-0.000 χ^2/NDF:74.9/39

All: -0.000+/-0.000 χ^2/NDF: 108.4/77



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:13751758.1/21

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

Left In: 0.001+/-0.000 χ^2/NDF:13727949.5/21

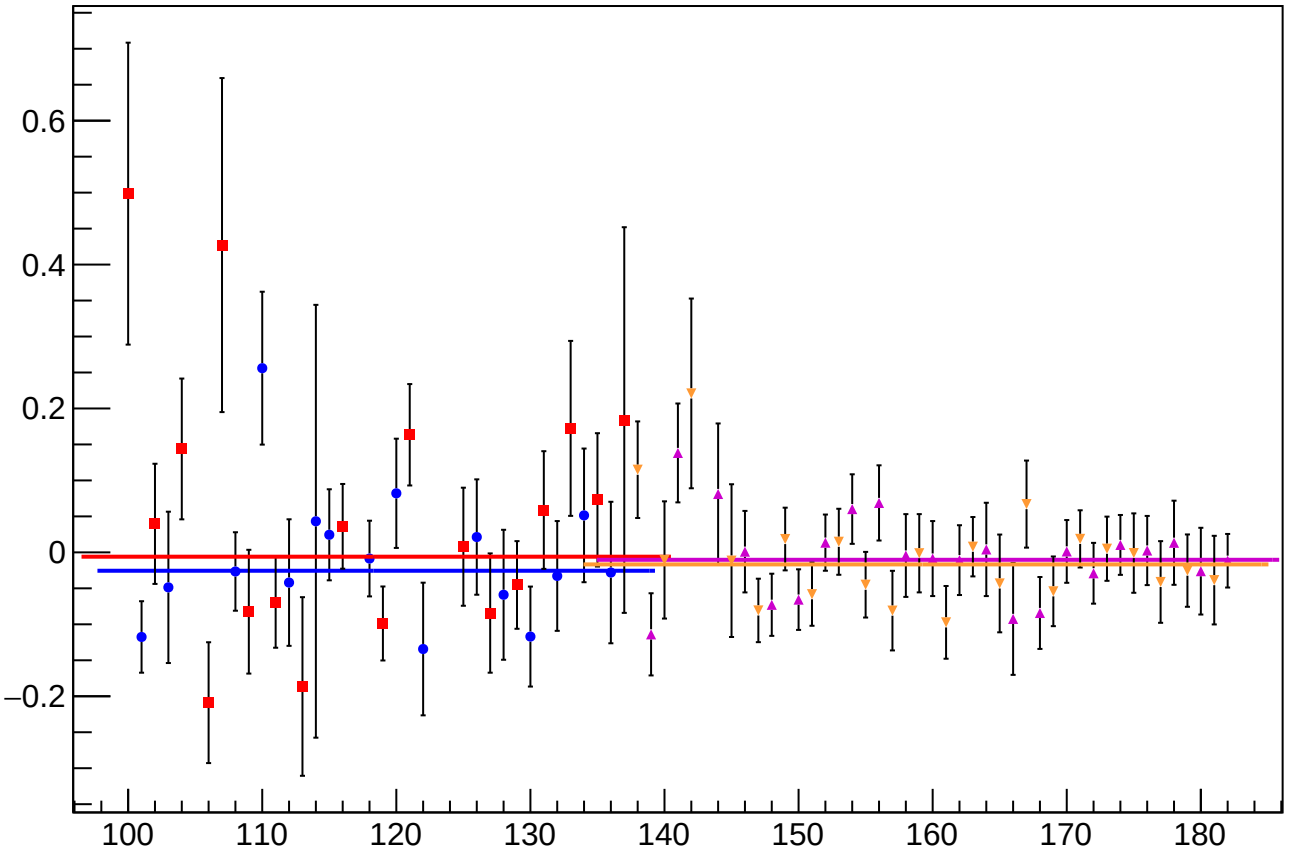
Left: 0.001+/-0.000 χ^2/NDF: 27500343.4/43

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

In: 0.001+/-0.000 χ^2/NDF:17403628.1/37

Out: 0.001+/-0.000 χ^2/NDF:17623815.3/39

All: 0.001+/-0.000 χ^2/NDF: 35113058.7/77



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

Left Out: -0.017+/-0.011 χ^2/NDF:20.1/21

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

Left In: -0.010+/-0.011 χ^2/NDF:21.7/21

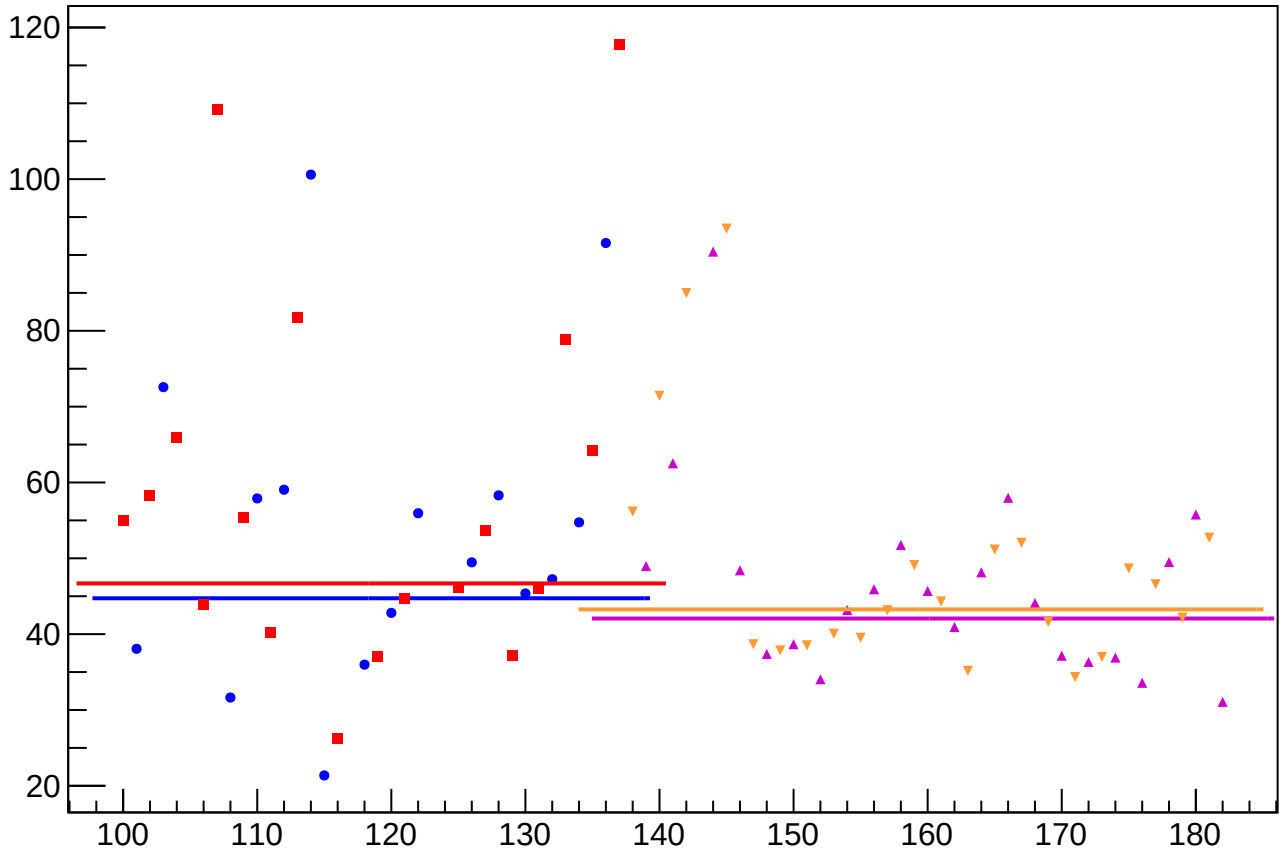
Left: -0.013+/-0.008 χ^2/NDF: 41.9/43

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

In: -0.014+/-0.009 χ^2/NDF:39.8/37

Out: -0.014+/-0.010 χ^2/NDF:56.8/39

All: -0.014+/-0.007 χ^2/NDF: 96.6/77



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 43.266+/-0.008 χ^2/NDF:1446530.8/21

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

Left In: 42.063+/-0.008 χ^2/NDF:1489402.2/21

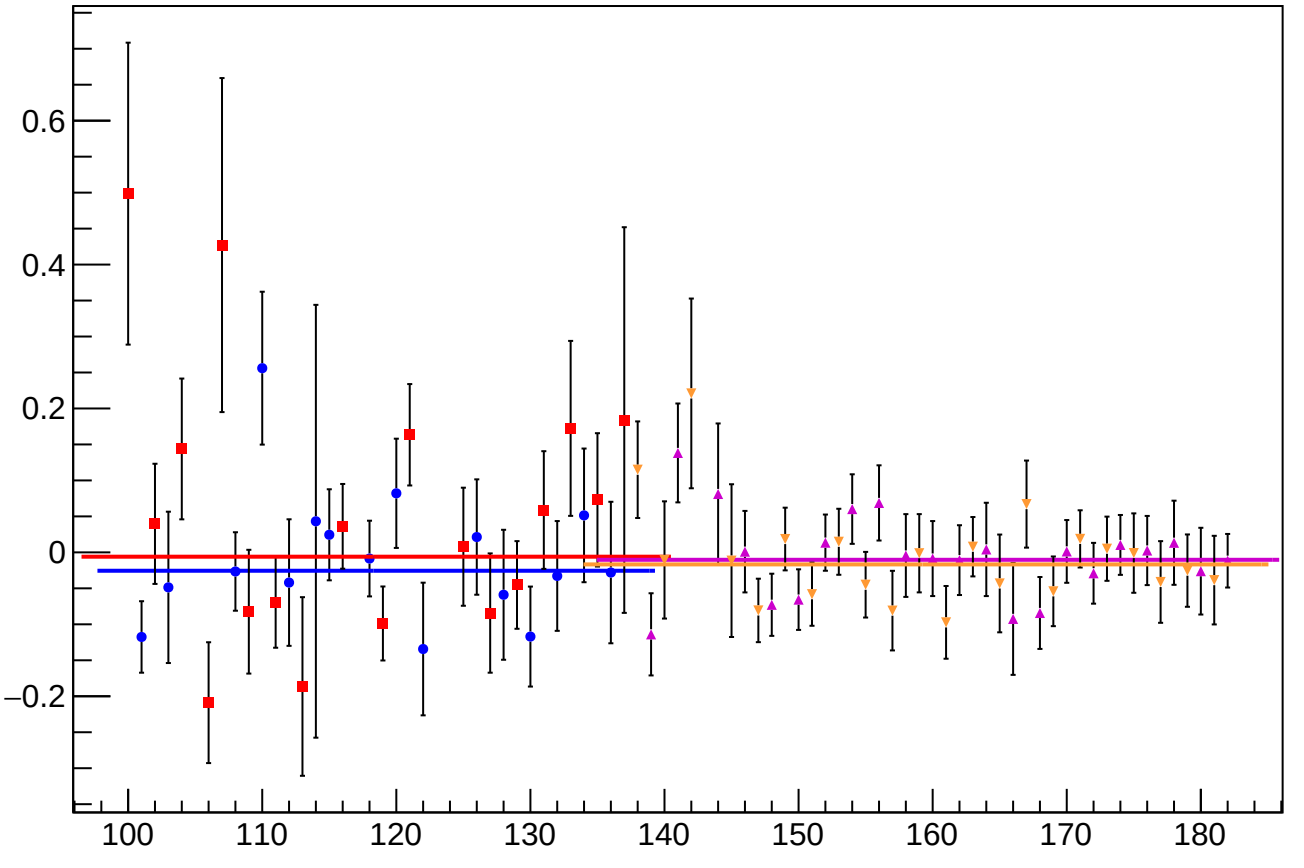
Left: 42.638+/-0.005 χ^2/NDF: 2948065.1/43

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

In: 42.716+/-0.007 χ^2/NDF:2854567.6/37

Out: 44.118+/-0.007 χ^2/NDF:2688860.5/39

All: 43.388+/-0.005 χ^2/NDF: 5565303.1/77



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

Left Out: -0.017+/-0.011 χ^2/NDF:20.1/21

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

Left In: -0.010+/-0.011 χ^2/NDF:21.7/21

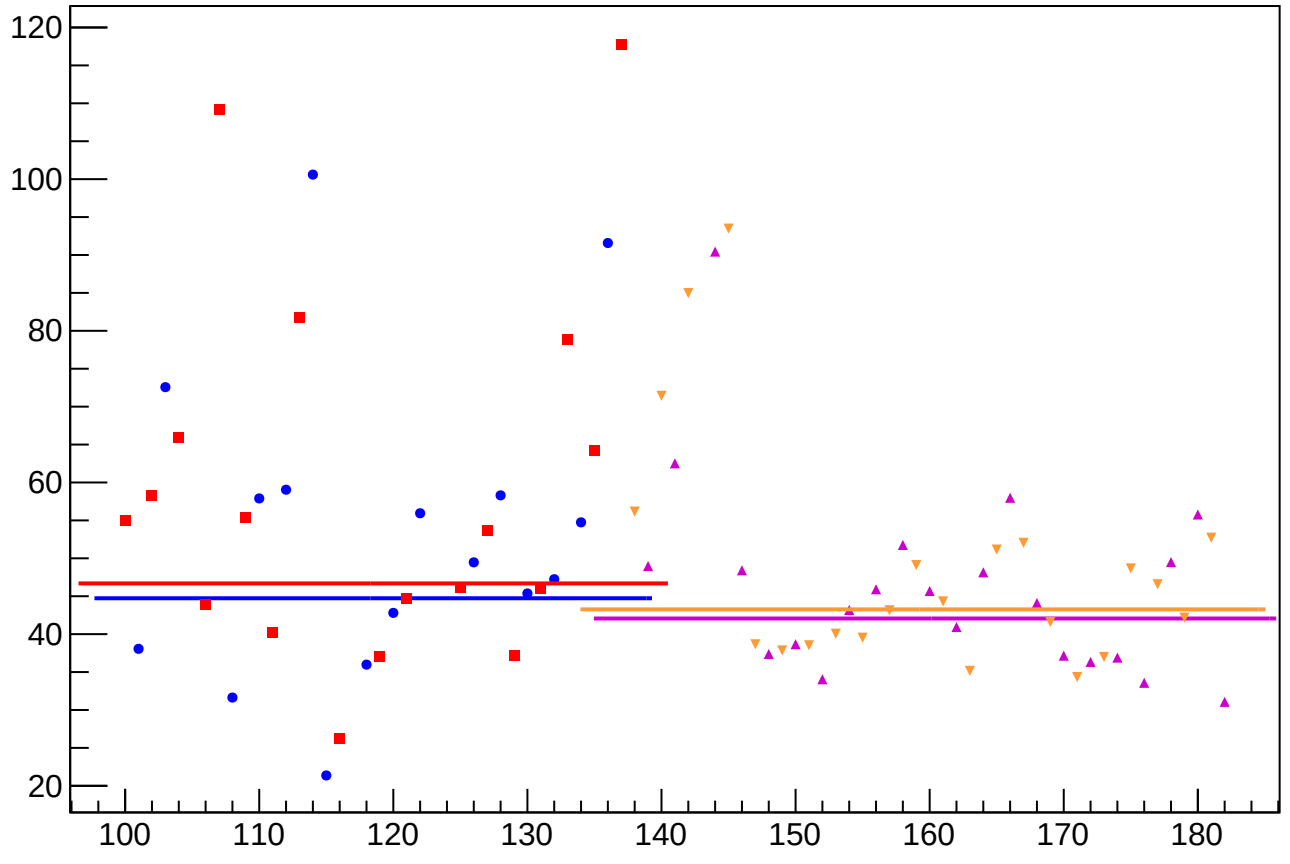
Left: -0.013+/-0.008 χ^2/NDF: 41.9/43

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

In: -0.014+/-0.009 χ^2/NDF:39.8/37

Out: -0.014+/-0.010 χ^2/NDF:56.8/39

All: -0.014+/-0.007 χ^2/NDF: 96.6/77



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 43.266+/-0.008 χ^2/NDF:1446530.8/21

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

Left In: 42.063+/-0.008 χ^2/NDF:1489402.2/21

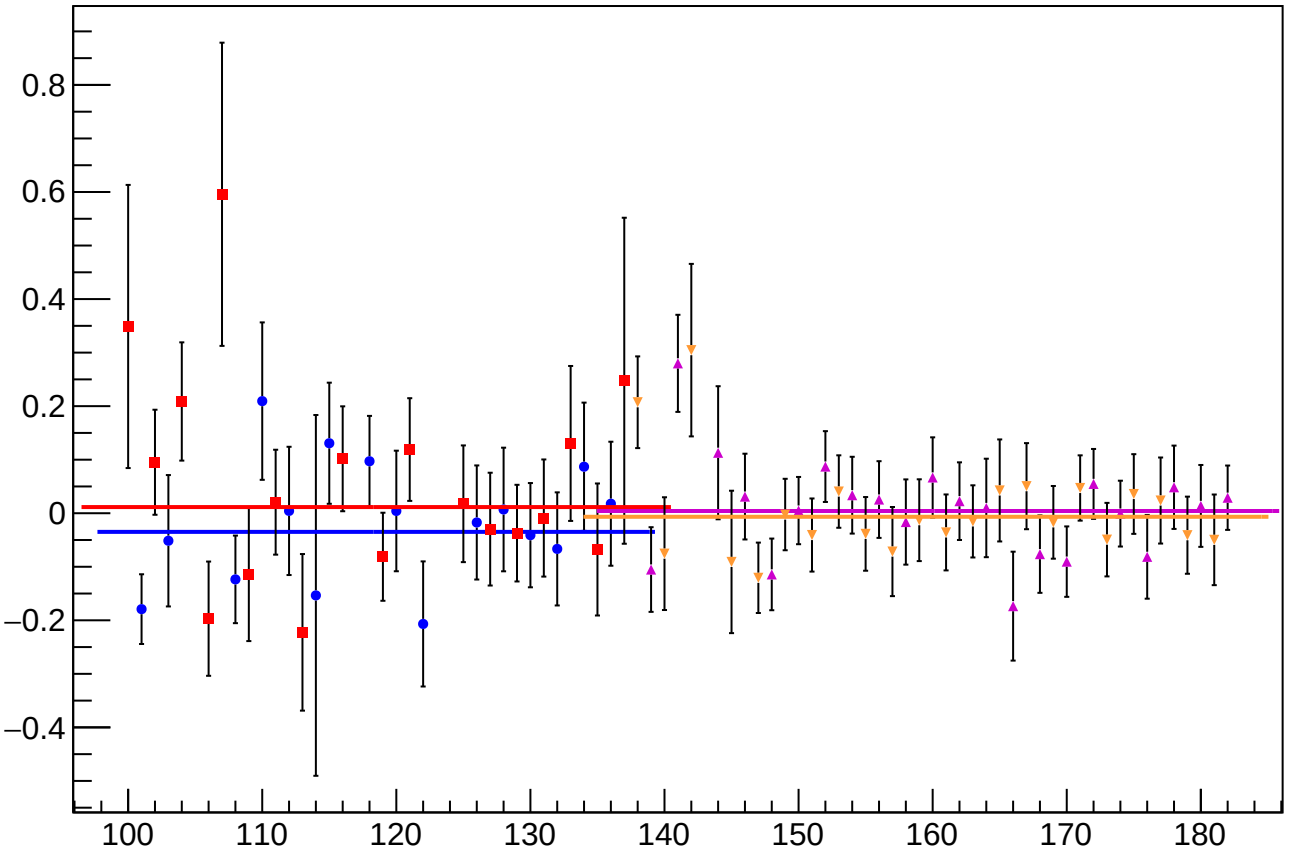
Left: 42.638+/-0.005 χ^2/NDF: 2948065.1/43

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

In: 42.716+/-0.007 χ^2/NDF:2854567.6/37

Out: 44.118+/-0.007 χ^2/NDF:2688860.5/39

All: 43.388+/-0.005 χ^2/NDF: 5565303.1/77



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

Left Out: -0.007+/-0.016 χ^2/NDF:18.5/21

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

Left In: 0.004+/-0.016 χ^2/NDF:26.5/21

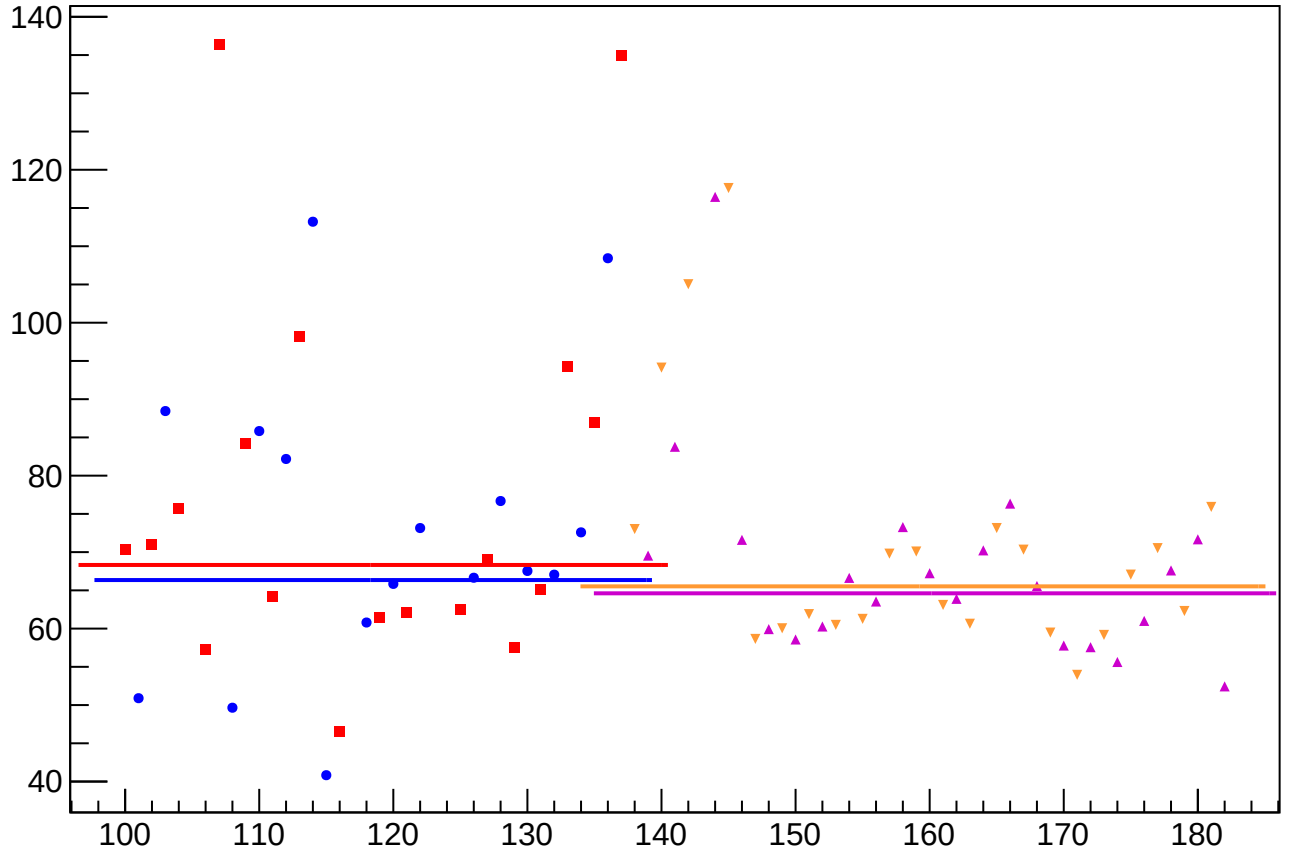
Left: -0.001+/-0.011 χ^2/NDF: 45.2/43

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

In: -0.006+/-0.014 χ^2/NDF:45.6/37

Out: -0.002+/-0.014 χ^2/NDF:41.6/39

All: -0.004+/-0.010 χ^2/NDF: 87.2/77



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

Left Out: 65.524+/-0.011 χ^2/NDF:842596.0/21

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

Left In: 64.612+/-0.011 χ^2/NDF:753708.7/21

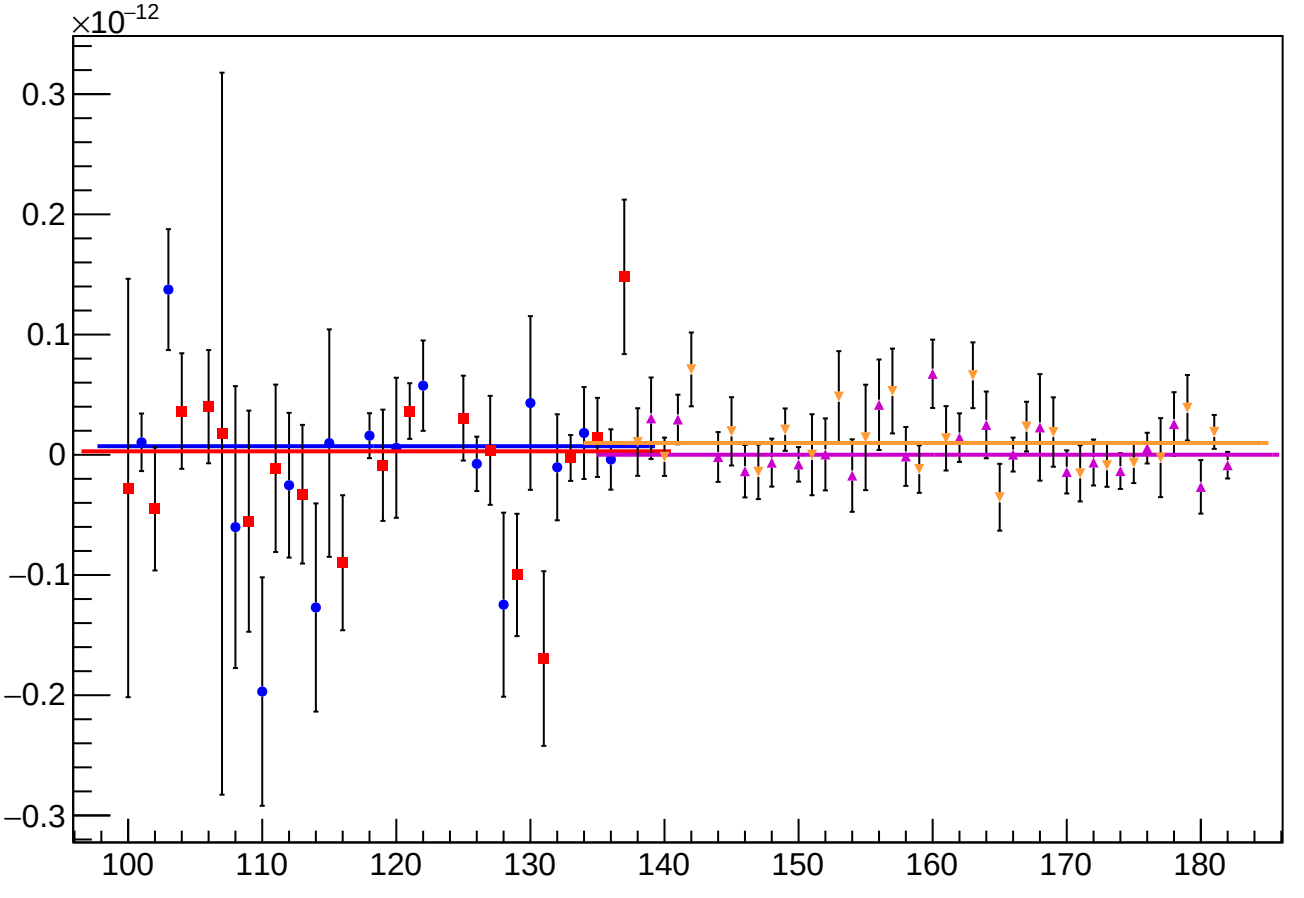
Left: 65.054+/-0.008 χ^2/NDF: 1599548.8/43

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

In: 65.071+/-0.010 χ^2/NDF:1532790.1/37

Out: 66.272+/-0.010 χ^2/NDF:1488109.0/39

All: 65.653+/-0.007 χ^2/NDF: 3028572.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.3/21

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

Left In: 0.000+/-0.000 χ^2/NDF:17.1/21

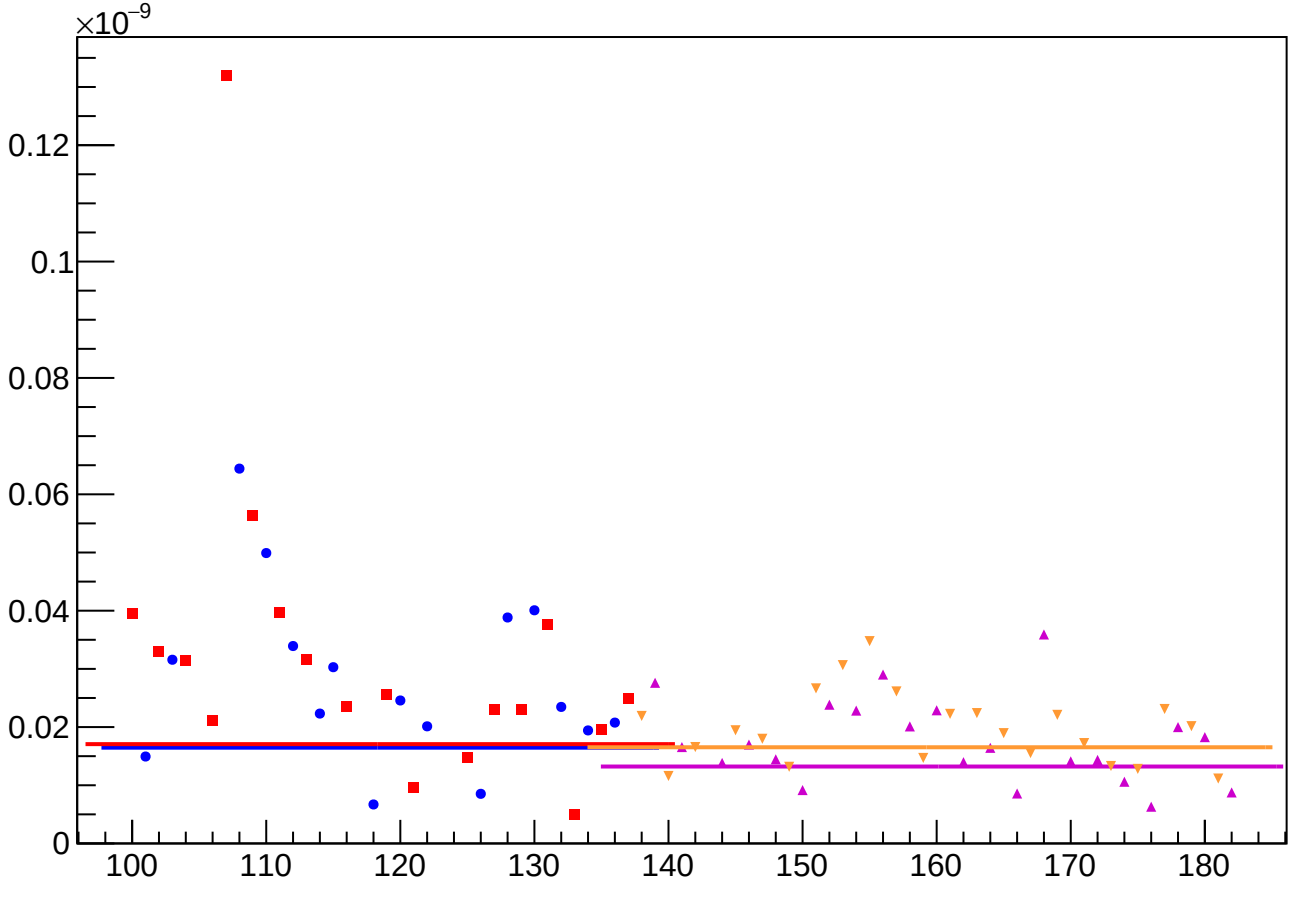
Left: 0.000+/-0.000 χ^2/NDF: 41.7/43

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:38.1/37

Out: 0.000+/-0.000 χ^2/NDF:46.0/39

All: 0.000+/-0.000 χ^2/NDF: 85.6/77



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2183385.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:3822423.3/21

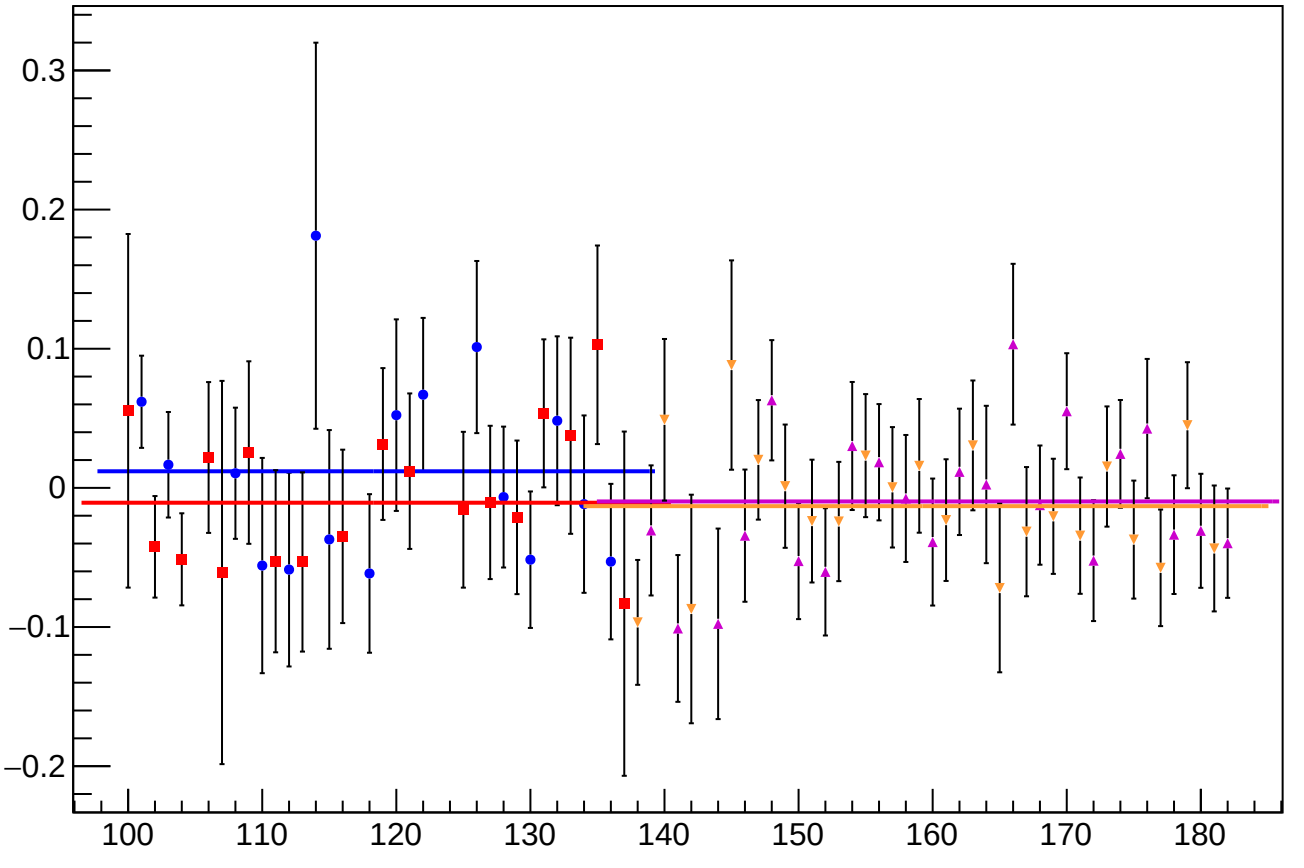
Left: 0.000+/-0.000 χ^2/NDF: 6535689.7/43

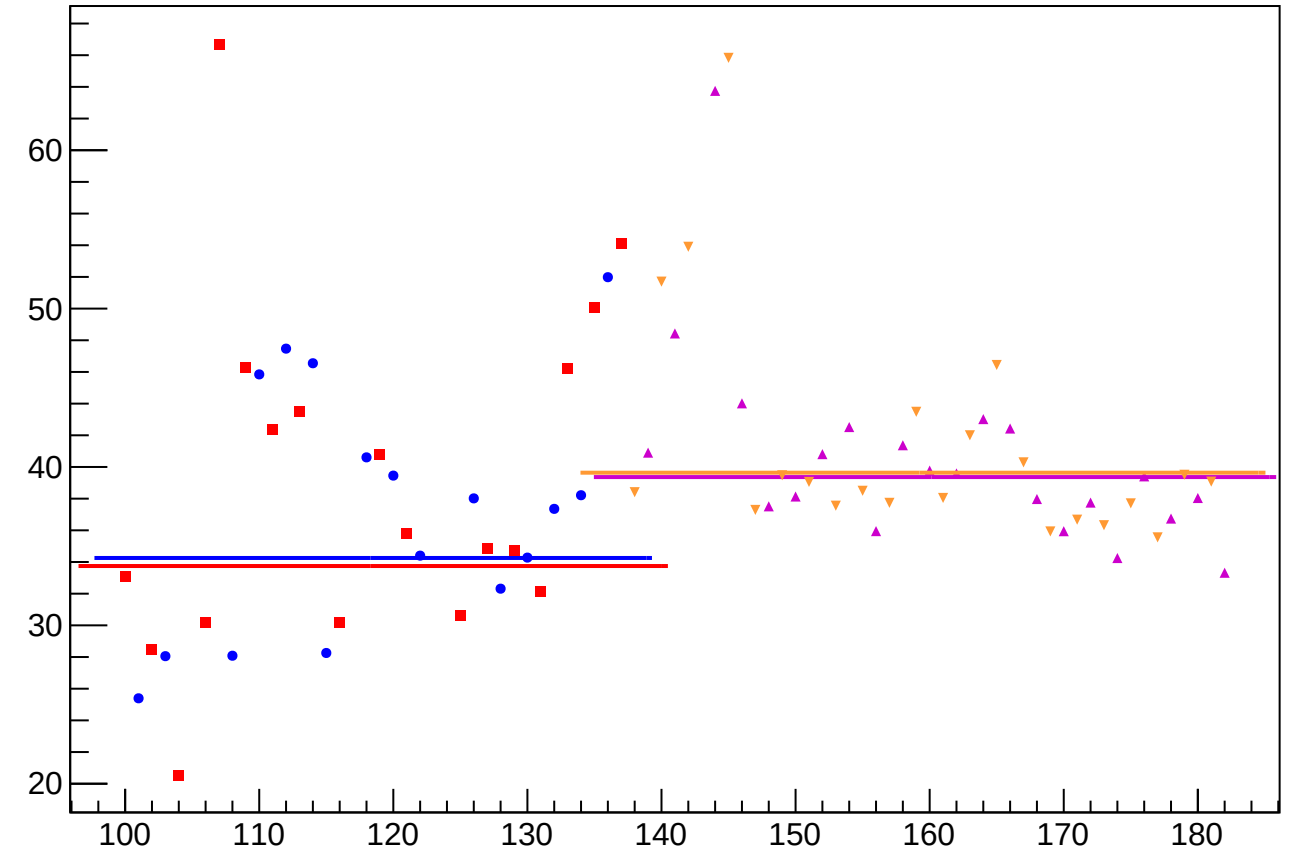
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:6374607.3/37

Out: 0.000+/-0.000 χ^2/NDF:4979550.4/39

All: 0.000+/-0.000 χ^2/NDF: 11844559.4/77


asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.013+/-0.010 χ²/NDF:15.5/21
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.010+/-0.010 χ²/NDF:22.3/21
Left: -0.011+/-0.007 χ²/NDF: 37.9/43
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.002+/-0.008 χ²/NDF:38.7/37
Out: -0.012+/-0.008 χ²/NDF:25.5/39
All: -0.007+/-0.006 χ²/NDF: 64.9/77



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.639+/-0.007 χ^2/NDF:514494.6/21

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

Left In: 39.362+/-0.007 χ^2/NDF:492524.3/21

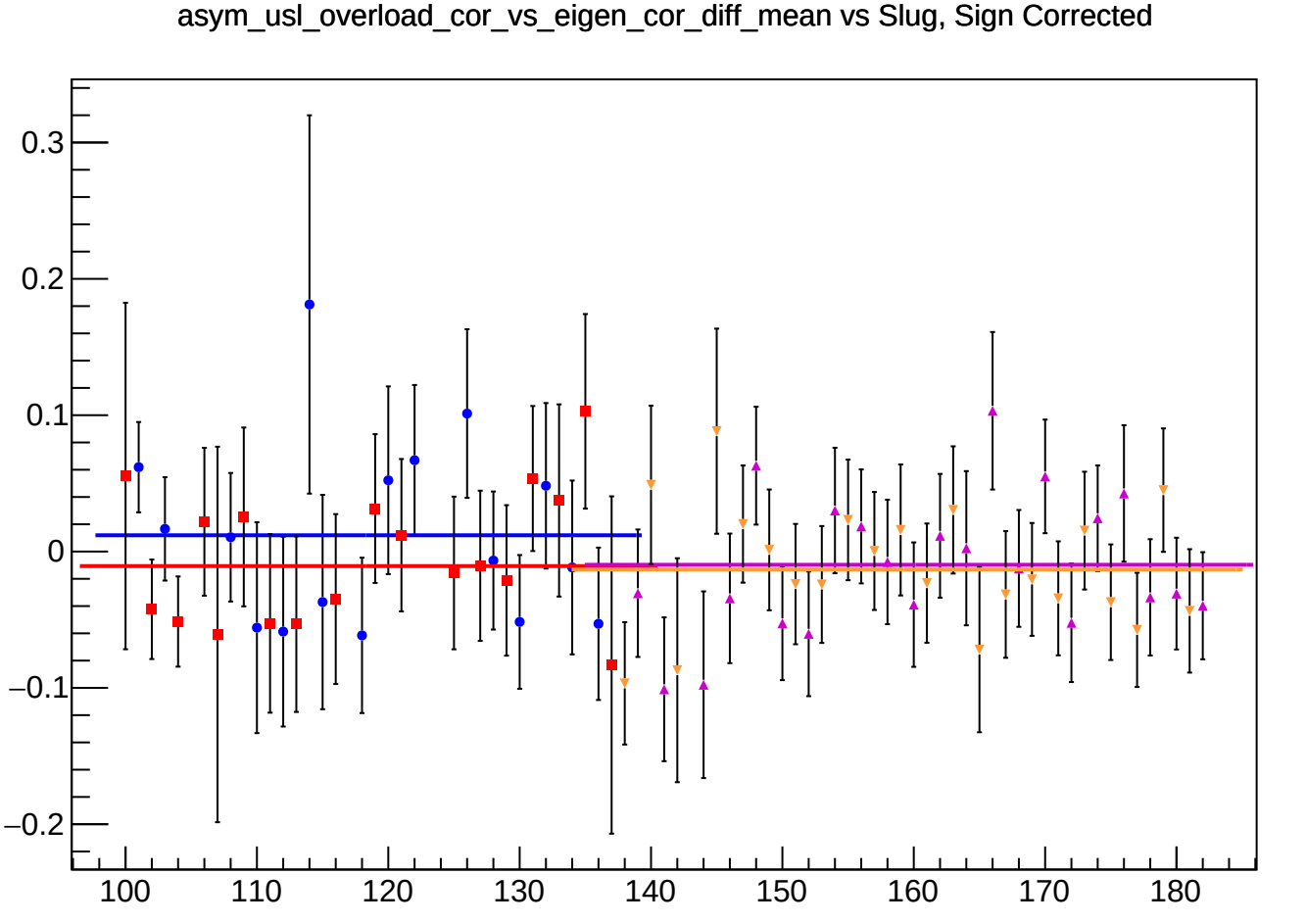
Left: 39.498+/-0.005 χ^2/NDF: 1007821.1/43

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

In: 37.647+/-0.006 χ^2/NDF:1315562.4/37

Out: 37.569+/-0.006 χ^2/NDF:1675809.7/39

All: 37.608+/-0.004 χ^2/NDF: 2991468.7/77



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

Left Out: -0.013+/-0.010 χ^2/NDF:15.5/21

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

Left In: -0.010+/-0.010 χ^2/NDF:22.3/21

Left: -0.011+/-0.007 χ^2/NDF: 37.9/43

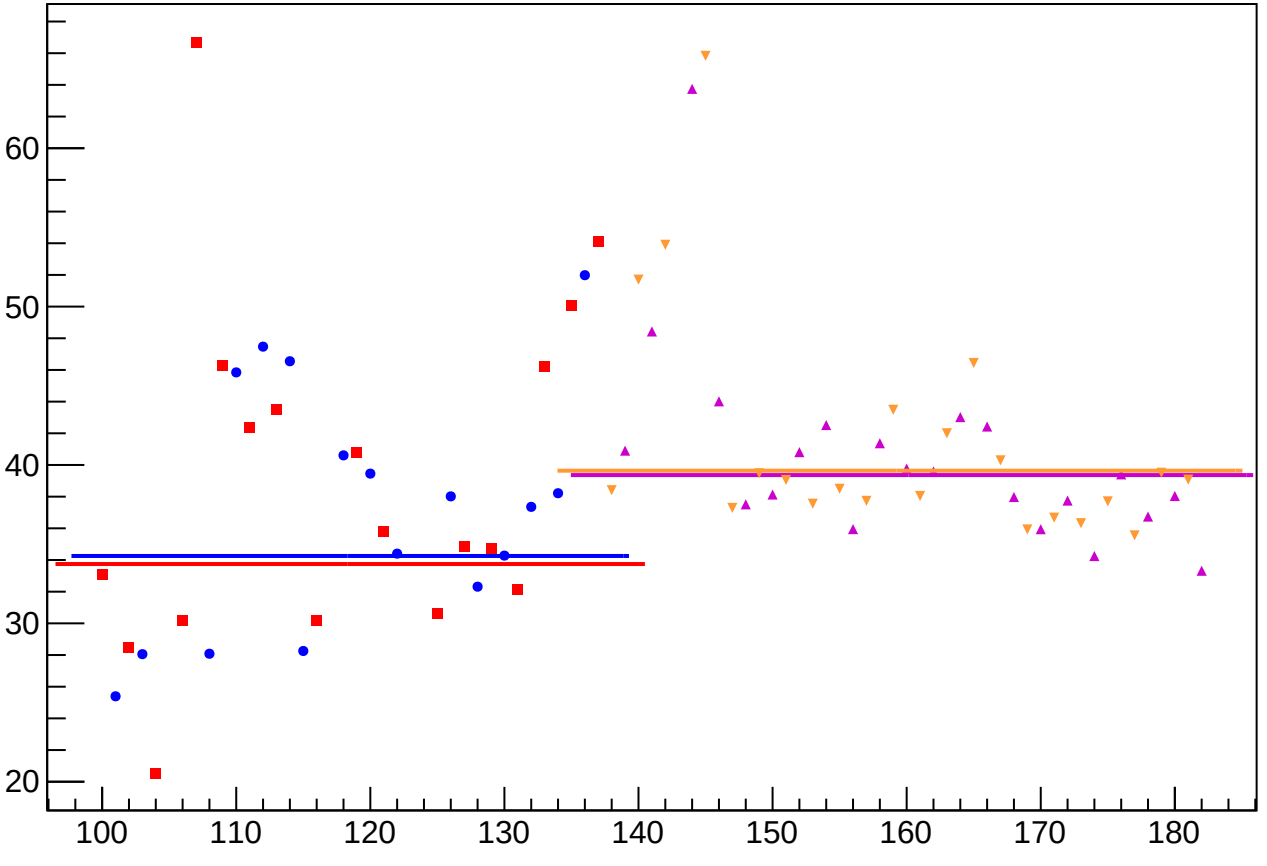
Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.002+/-0.008 χ^2/NDF:38.7/37

Out: -0.012+/-0.008 χ^2/NDF:25.5/39

All: -0.007+/-0.006 χ^2/NDF: 64.9/77

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.639+/-0.007 χ^2/NDF:514494.6/21

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

Left In: 39.362+/-0.007 χ^2/NDF:492524.3/21

Left: 39.498+/-0.005 χ^2/NDF: 1007821.1/43

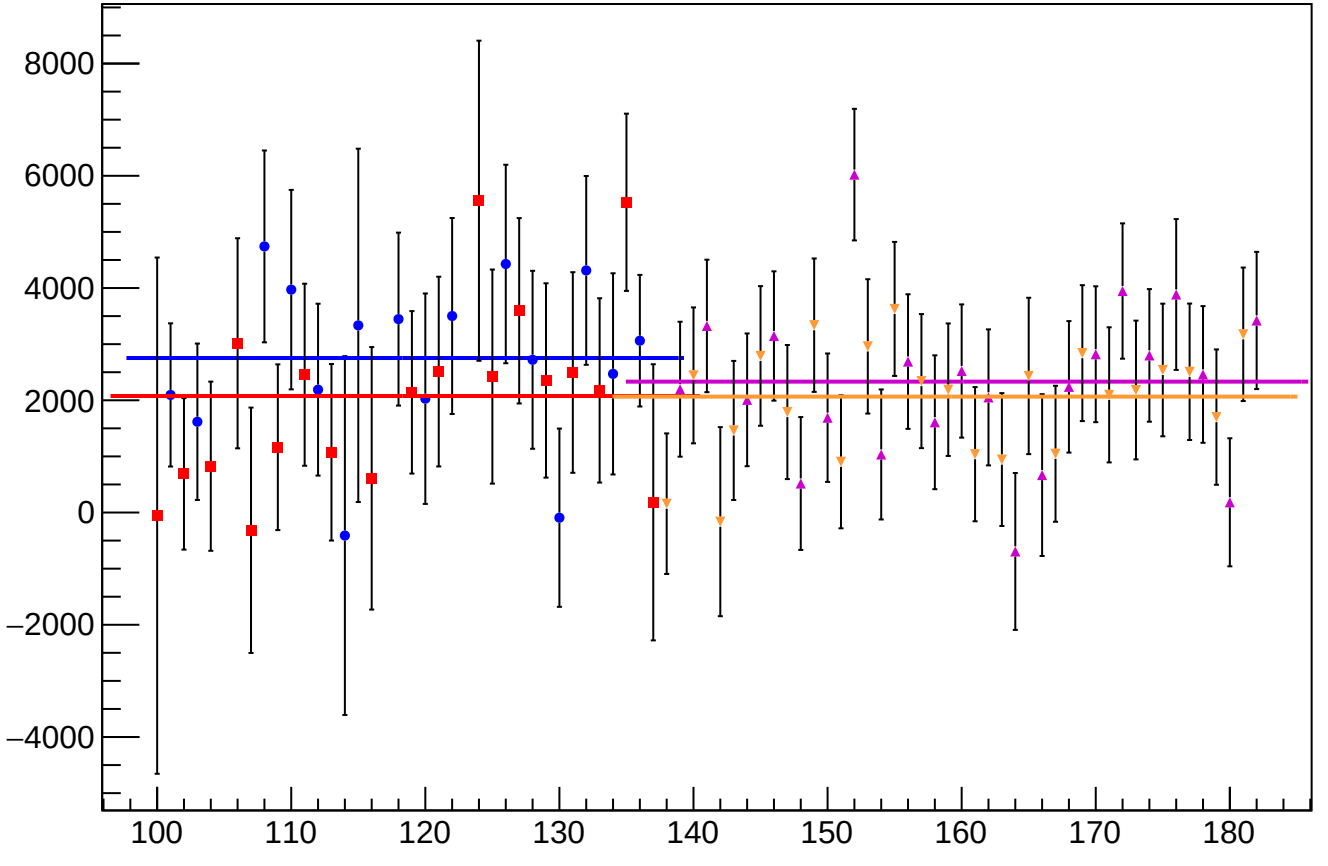
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.647+/-0.006 χ^2/NDF:1315562.4/37

Out: 37.569+/-0.006 χ^2/NDF:1675809.7/39

All: 37.608+/-0.004 χ^2/NDF: 2991468.7/77

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2065.044+/-255.409 χ^2/NDF:13.3/22

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

Left In: 2332.154+/-257.430 χ^2/NDF:29.5/21

Left: 2197.546+/-181.312 χ^2/NDF: 43.3/44

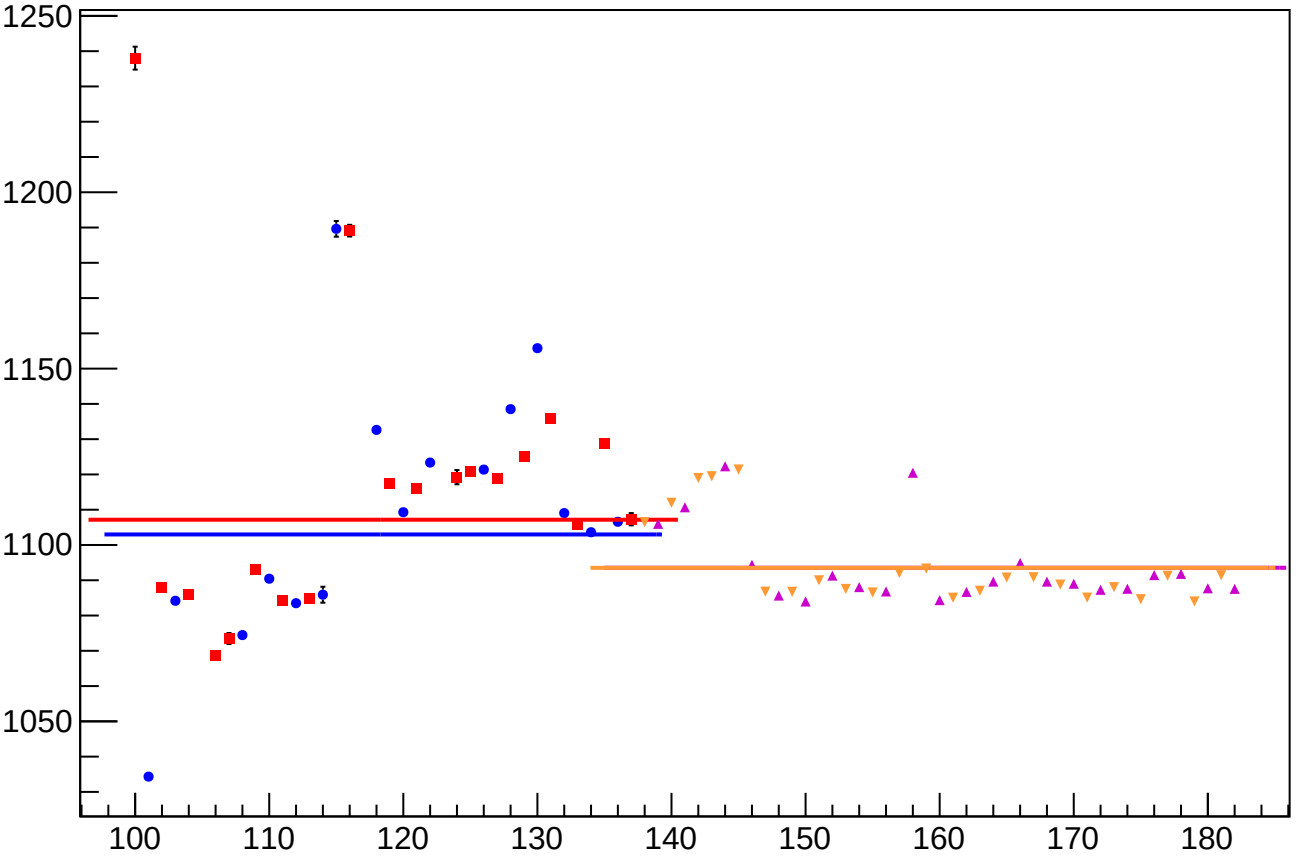
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2451.254+/-217.993 χ^2/NDF:39.7/37

Out: 2068.309+/-215.854 χ^2/NDF:25.9/41

All: 2257.893+/-153.382 χ^2/NDF: 67.2/79

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1093.525+/-0.181 χ^2/NDF:3882.5/22

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

Left In: 1093.544+/-0.182 χ^2/NDF:3648.9/21

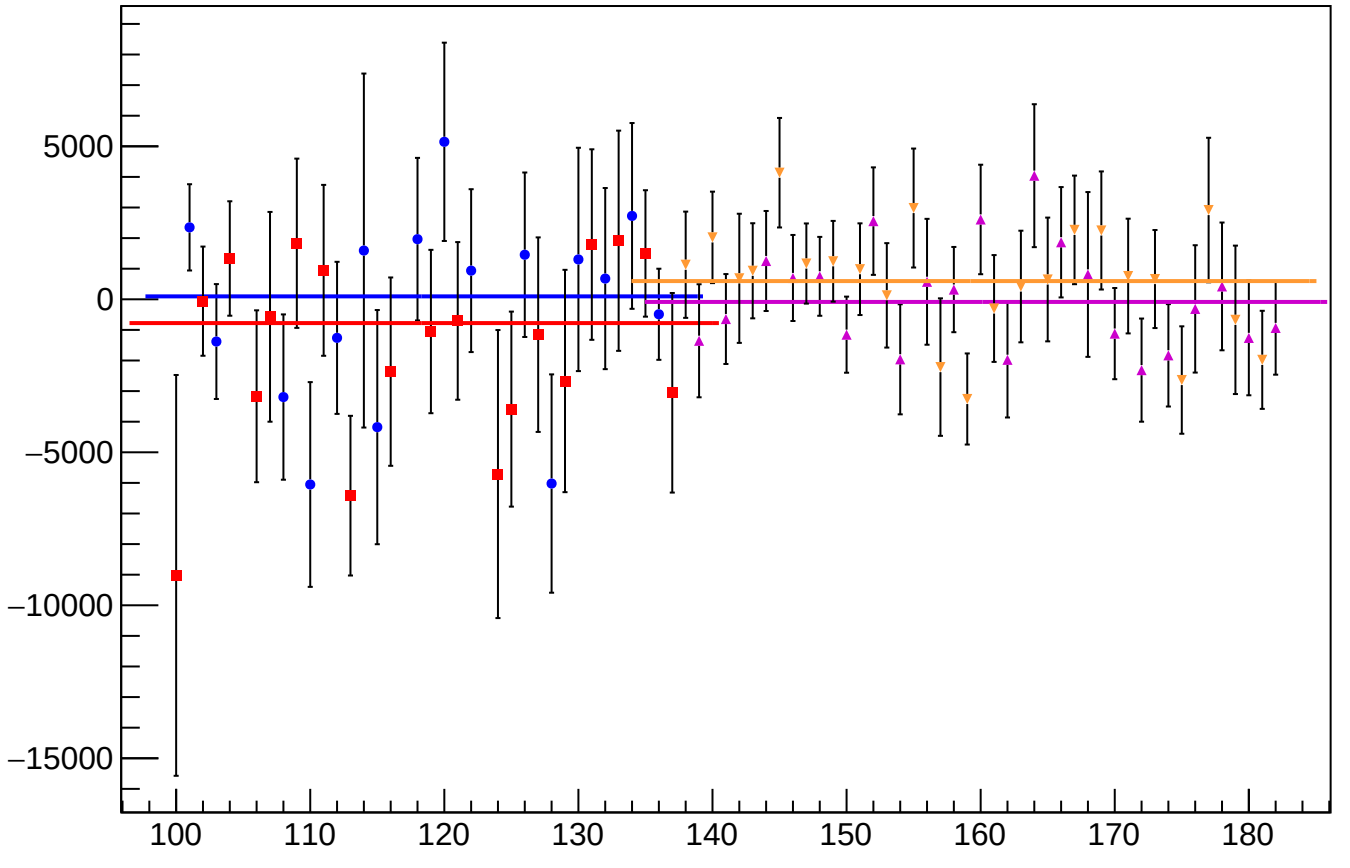
Left: 1093.535+/-0.128 χ^2/NDF: 7531.4/44

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

In: 1096.216+/-0.154 χ^2/NDF:17634.1/37

Out: 1097.421+/-0.153 χ^2/NDF:14194.4/41

All: 1096.825+/-0.108 χ^2/NDF: 31859.4/79



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 595.587+/-358.362 χ^2/NDF:24.4/22

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

Left In: -85.968+/-357.497 χ^2/NDF:18.1/21

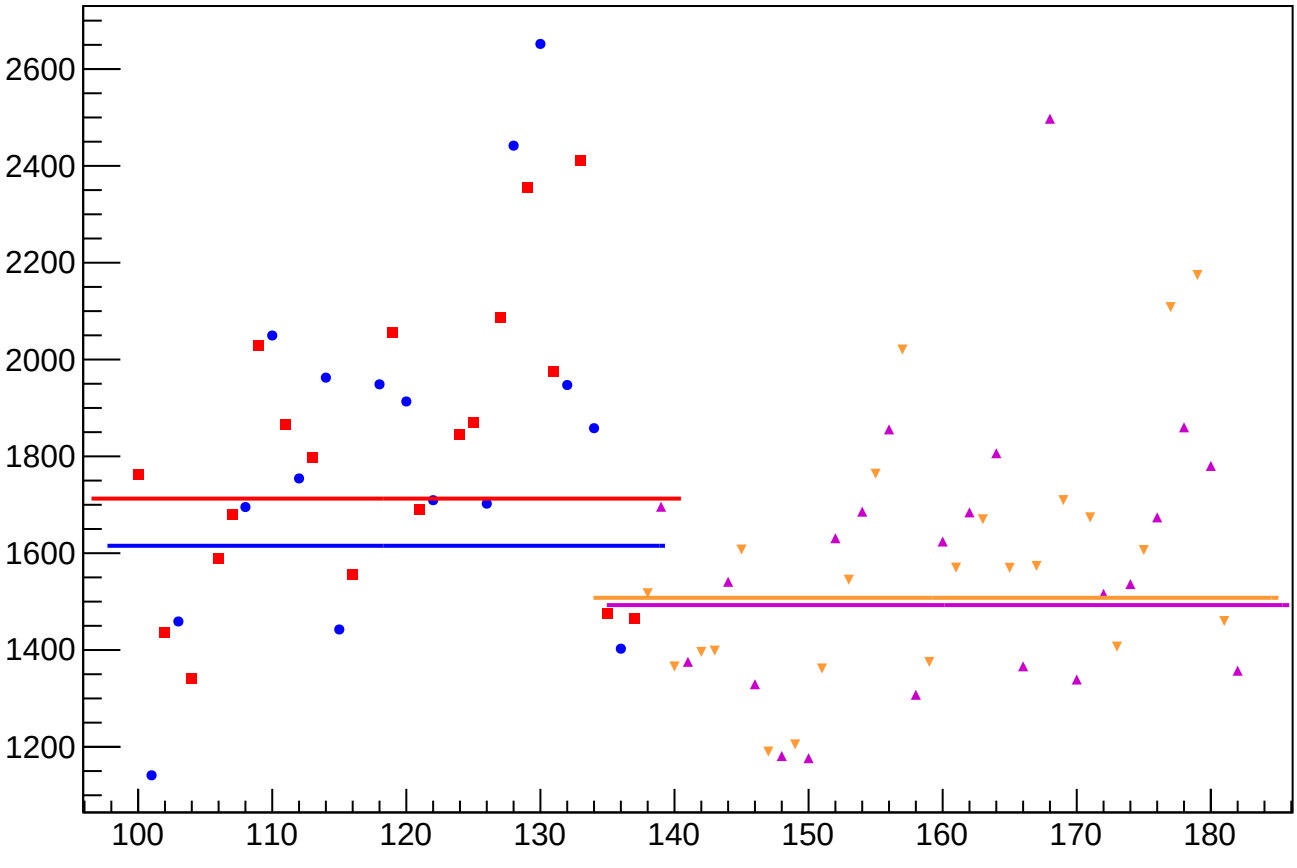
Left: 253.986+/-253.094 χ^2/NDF: 44.3/44

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

In: -40.365+/-309.463 χ^2/NDF:35.0/37

Out: 265.583+/-312.325 χ^2/NDF:43.0/41

All: 111.200+/-219.828 χ^2/NDF: 78.6/79



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

Left Out: 1507.877+/-0.253 χ^2/NDF:794426.9/22

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

Left In: 1492.781+/-0.253 χ^2/NDF:963421.6/21

Left: 1500.311+/-0.179 χ^2/NDF: 1759627.2/44

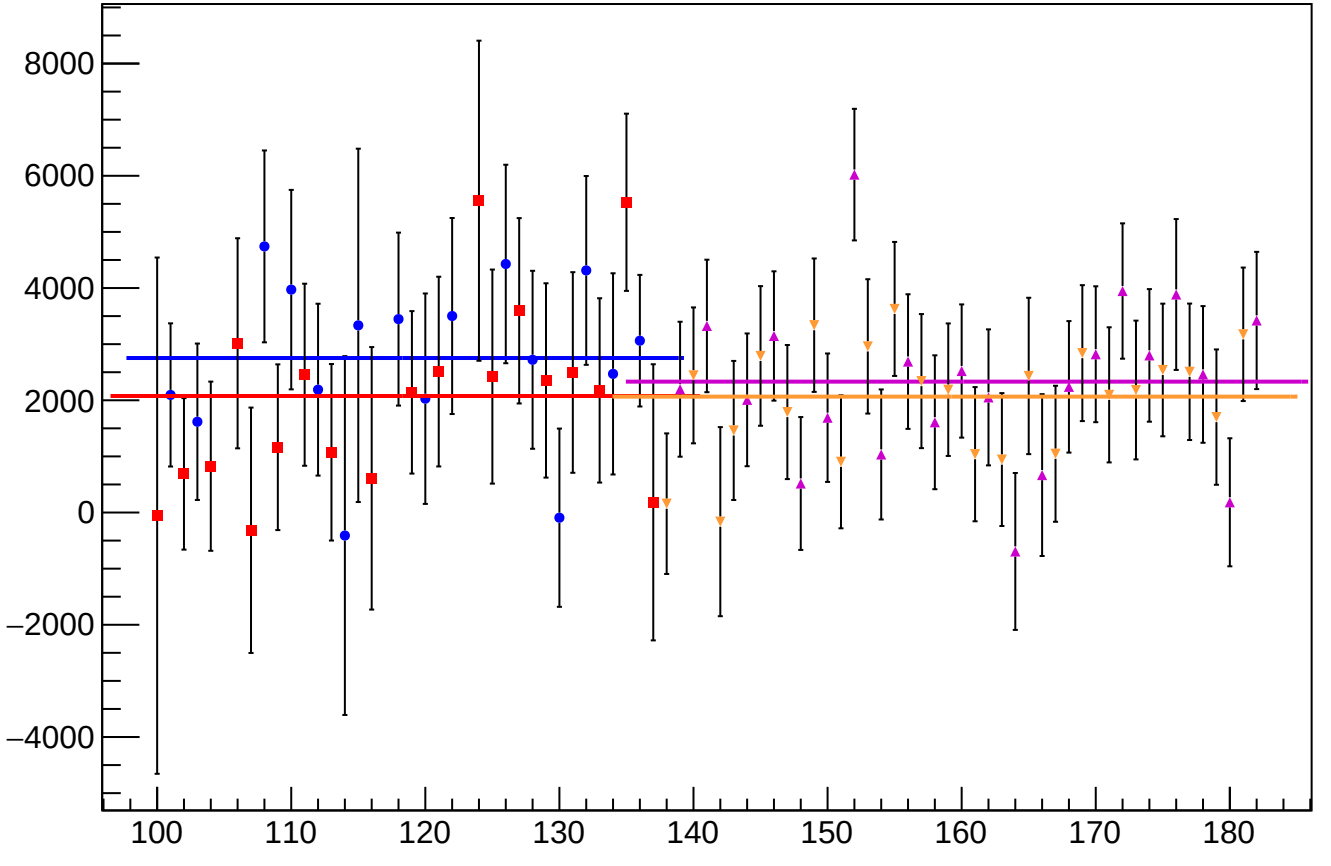
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1523.497+/-0.219 χ^2/NDF:1715950.4/37

Out: 1557.145+/-0.221 χ^2/NDF:1379723.5/41

All: 1540.166+/-0.155 χ^2/NDF: 3107387.5/79

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2065.044+/-255.409 χ^2/NDF:13.3/22

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

Left In: 2332.154+/-257.430 χ^2/NDF:29.5/21

Left: 2197.546+/-181.312 χ^2/NDF: 43.3/44

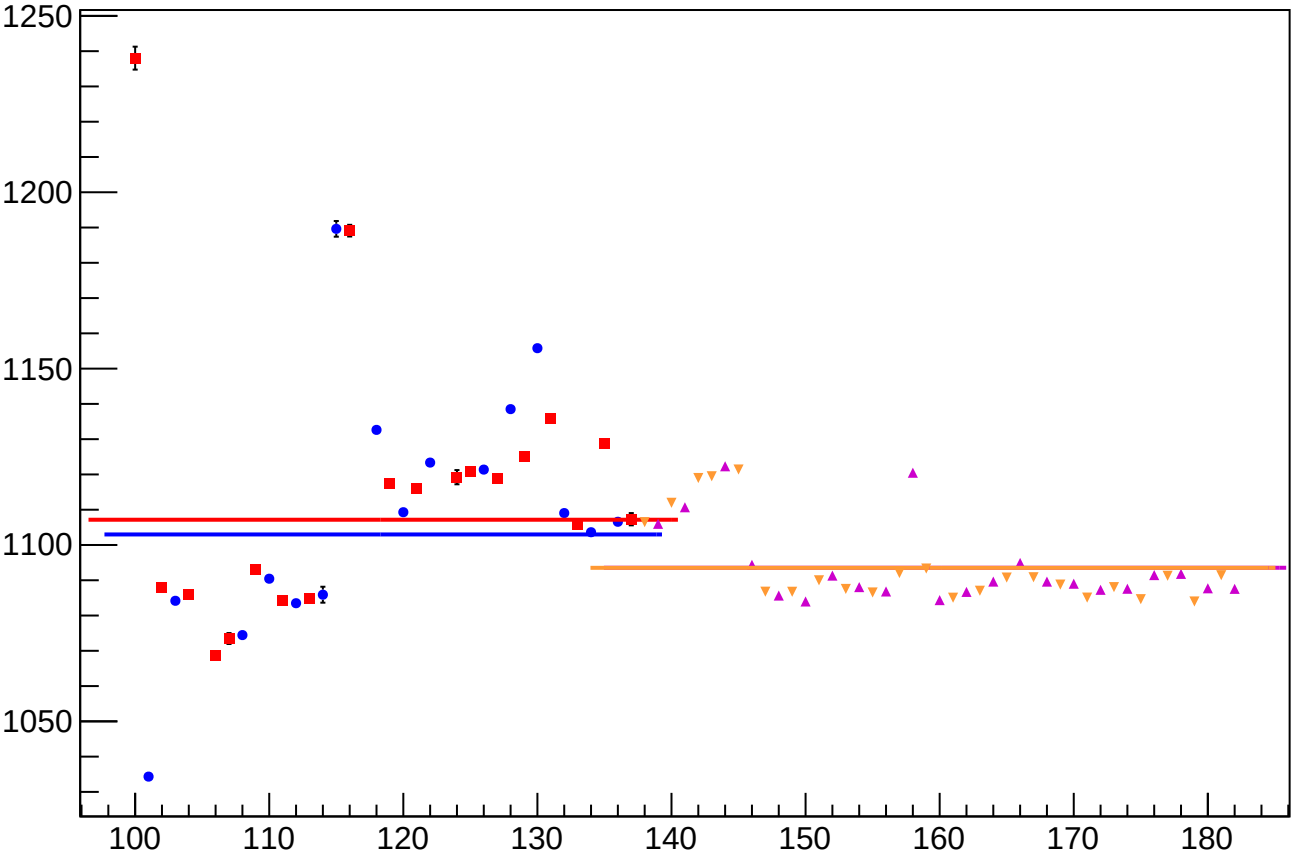
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2451.254+/-217.993 χ^2/NDF:39.7/37

Out: 2068.309+/-215.854 χ^2/NDF:25.9/41

All: 2257.893+/-153.382 χ^2/NDF: 67.2/79

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1093.525+/-0.181 χ^2/NDF:3882.5/22

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

Left In: 1093.544+/-0.182 χ^2/NDF:3648.9/21

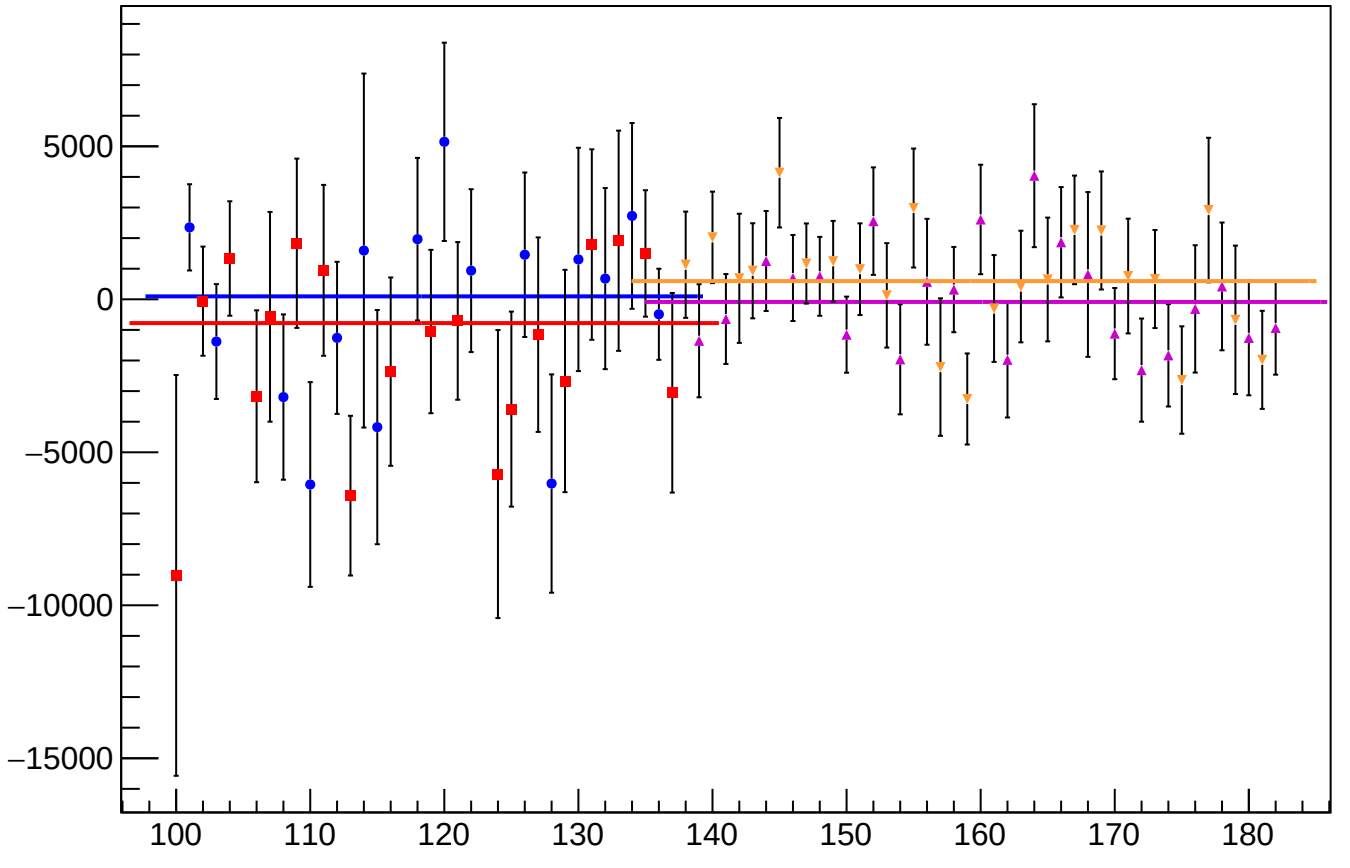
Left: 1093.535+/-0.128 χ^2/NDF: 7531.4/44

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

In: 1096.216+/-0.154 χ^2/NDF:17634.1/37

Out: 1097.421+/-0.153 χ^2/NDF:14194.4/41

All: 1096.825+/-0.108 χ^2/NDF: 31859.4/79



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 595.587+/-358.362 χ^2/NDF:24.4/22

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

Left In: -85.968+/-357.497 χ^2/NDF:18.1/21

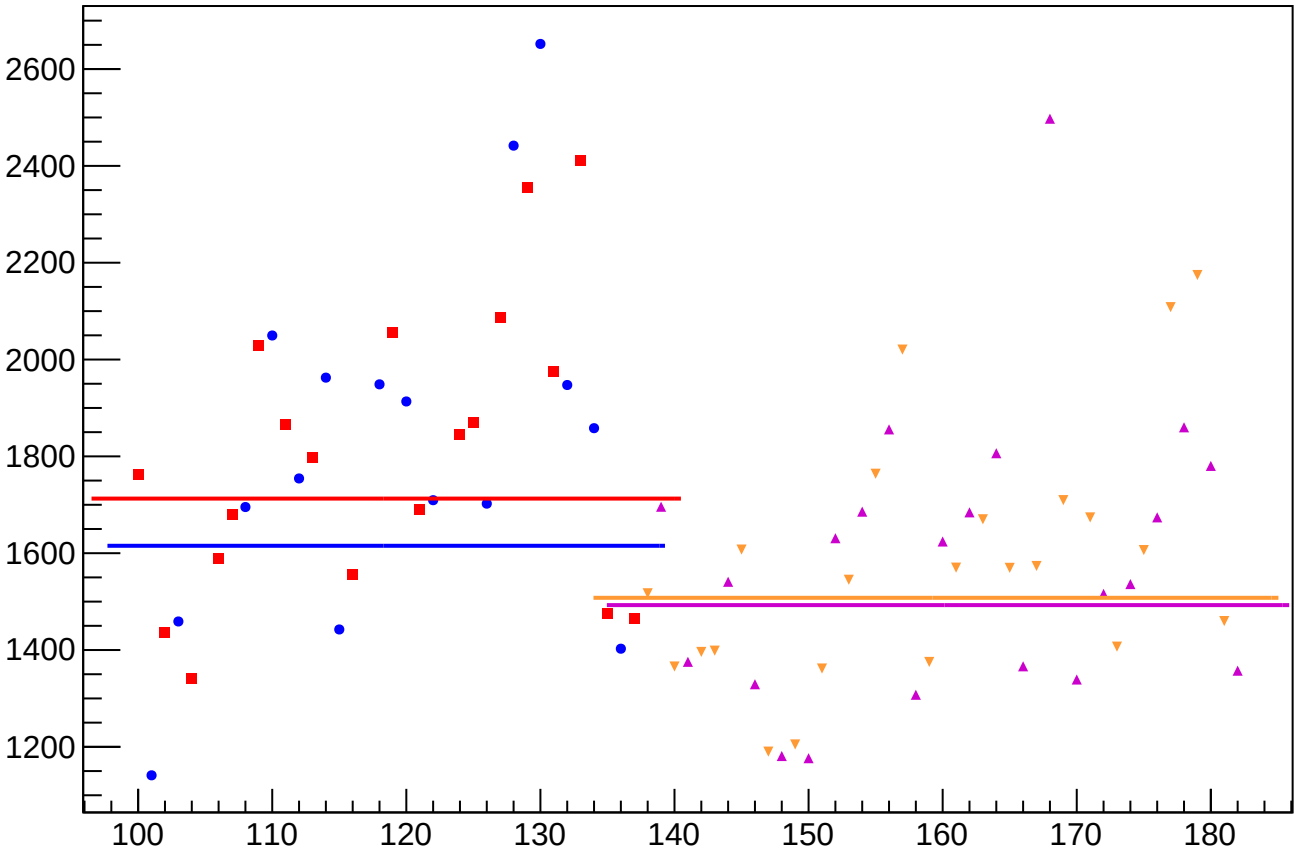
Left: 253.986+/-253.094 χ^2/NDF: 44.3/44

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

In: -40.365+/-309.463 χ^2/NDF:35.0/37

Out: 265.583+/-312.325 χ^2/NDF:43.0/41

All: 111.200+/-219.828 χ^2/NDF: 78.6/79



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

Left Out: 1507.877+/-0.253 χ^2/NDF:794426.9/22

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

Left In: 1492.781+/-0.253 χ^2/NDF:963421.6/21

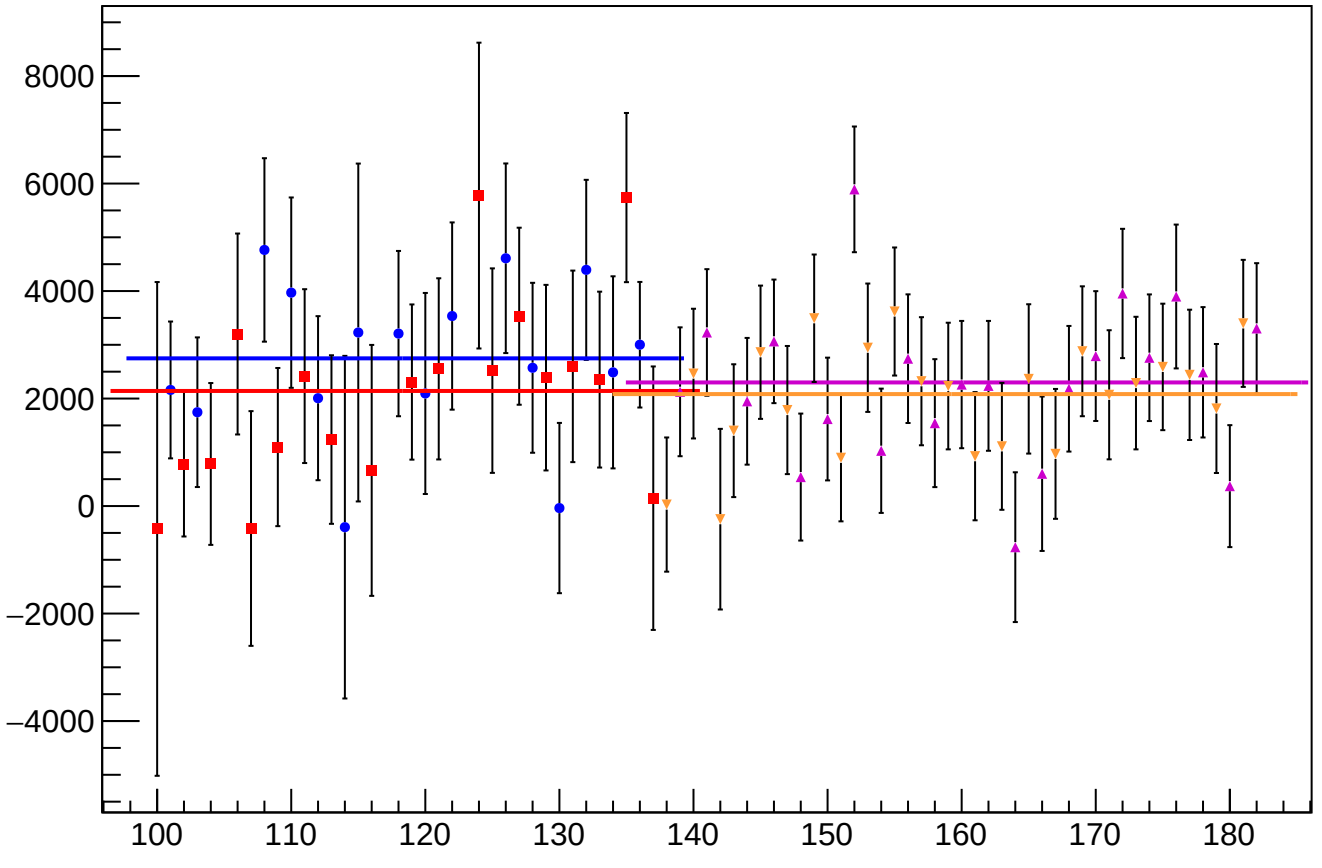
Left: 1500.311+/-0.179 χ^2/NDF: 1759627.2/44

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

In: 1523.497+/-0.219 χ^2/NDF:1715950.4/37

Out: 1557.145+/-0.221 χ^2/NDF:1379723.5/41

All: 1540.166+/-0.155 χ^2/NDF: 3107387.5/79



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2083.012+/-254.656 χ^2/NDF:14.7/22

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

Left In: 2299.645+/-256.647 χ^2/NDF:28.4/21

Left: 2190.484+/-180.769 χ^2/NDF: 43.5/44

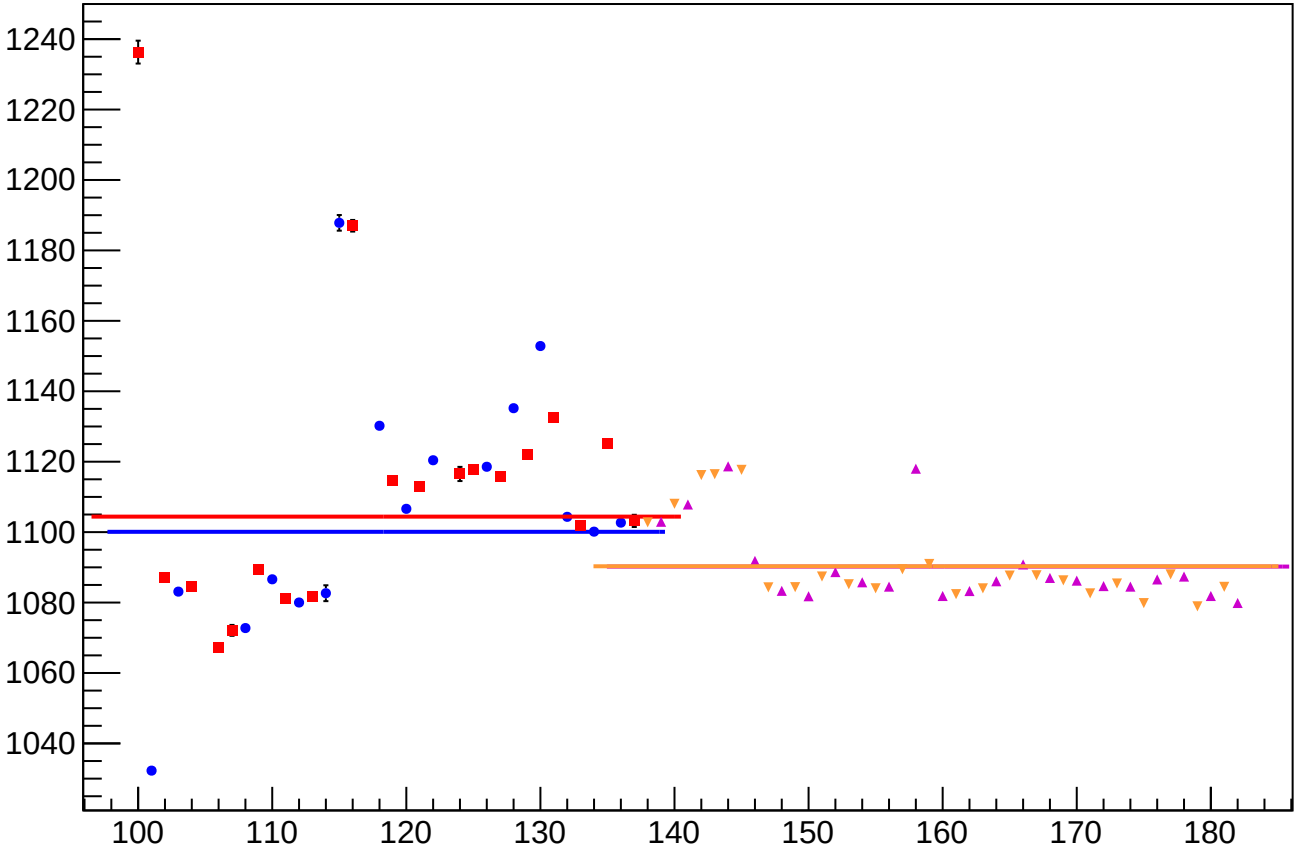
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2426.401+/-217.356 χ^2/NDF:38.8/37

Out: 2099.620+/-215.245 χ^2/NDF:28.2/41

All: 2261.416+/-152.942 χ^2/NDF: 68.2/79

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1090.303+/-0.180 χ^2/NDF:3873.3/22

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

Left In: 1090.218+/-0.181 χ^2/NDF:3779.0/21

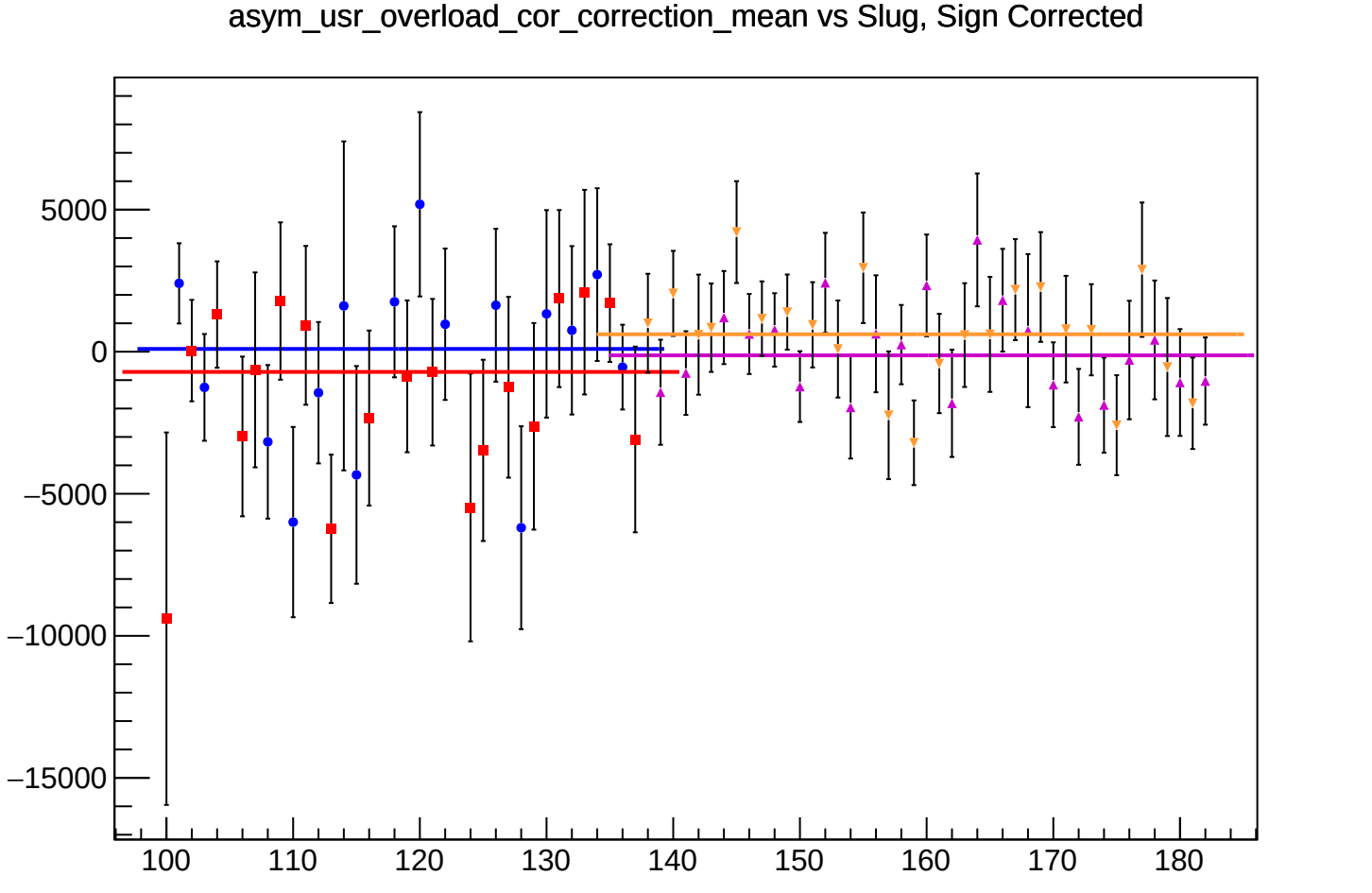
Left: 1090.261+/-0.128 χ^2/NDF: 7652.4/44

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

In: 1093.009+/-0.154 χ^2/NDF:17693.0/37

Out: 1094.329+/-0.152 χ^2/NDF:14167.7/41

All: 1093.676+/-0.108 χ^2/NDF: 31897.9/79



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 613.840+/-358.940 χ^2/NDF:23.9/22

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

Left In: -127.904+/-358.097 χ^2/NDF:17.1/21

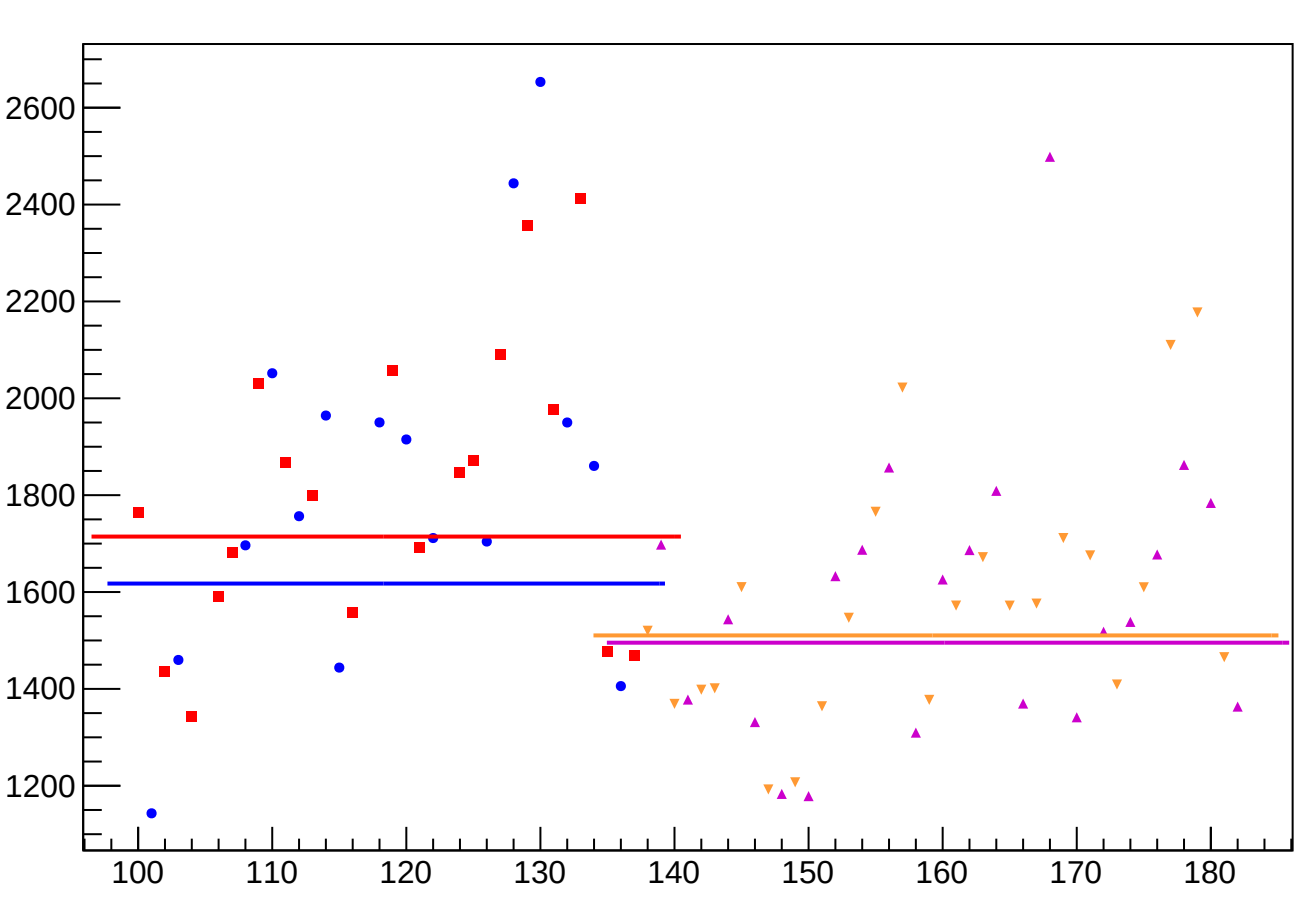
Left: 242.096+/-253.511 χ^2/NDF: 43.2/44

Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: -71.383+/-309.950 χ^2/NDF:34.4/37

Out: 294.937+/-312.781 χ^2/NDF:42.1/41

All: 110.112+/-220.162 χ^2/NDF: 77.3/79



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

Left Out: 1510.421+/-0.254 χ^2/NDF:791470.9/22

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

Left In: 1495.390+/-0.253 χ^2/NDF:959759.4/21

Left: 1502.888+/-0.179 χ^2/NDF: 1752988.1/44

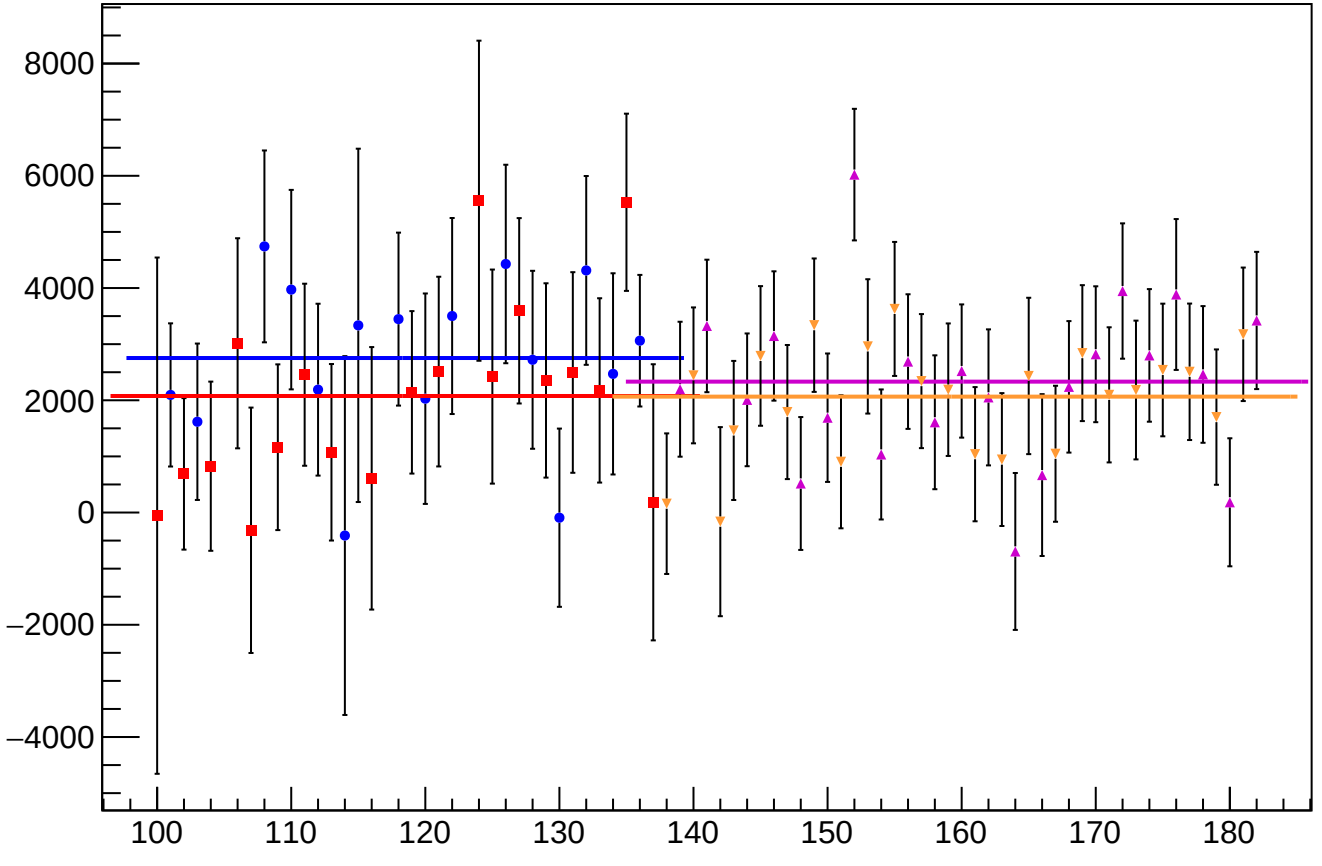
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1526.017+/-0.219 χ^2/NDF:1709807.8/37

Out: 1559.537+/-0.221 χ^2/NDF:1374782.7/41

All: 1542.624+/-0.156 χ^2/NDF: 3096179.9/79

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2065.044+/-255.409 χ^2/NDF:13.3/22

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

Left In: 2332.154+/-257.430 χ^2/NDF:29.5/21

Left: 2197.546+/-181.312 χ^2/NDF: 43.3/44

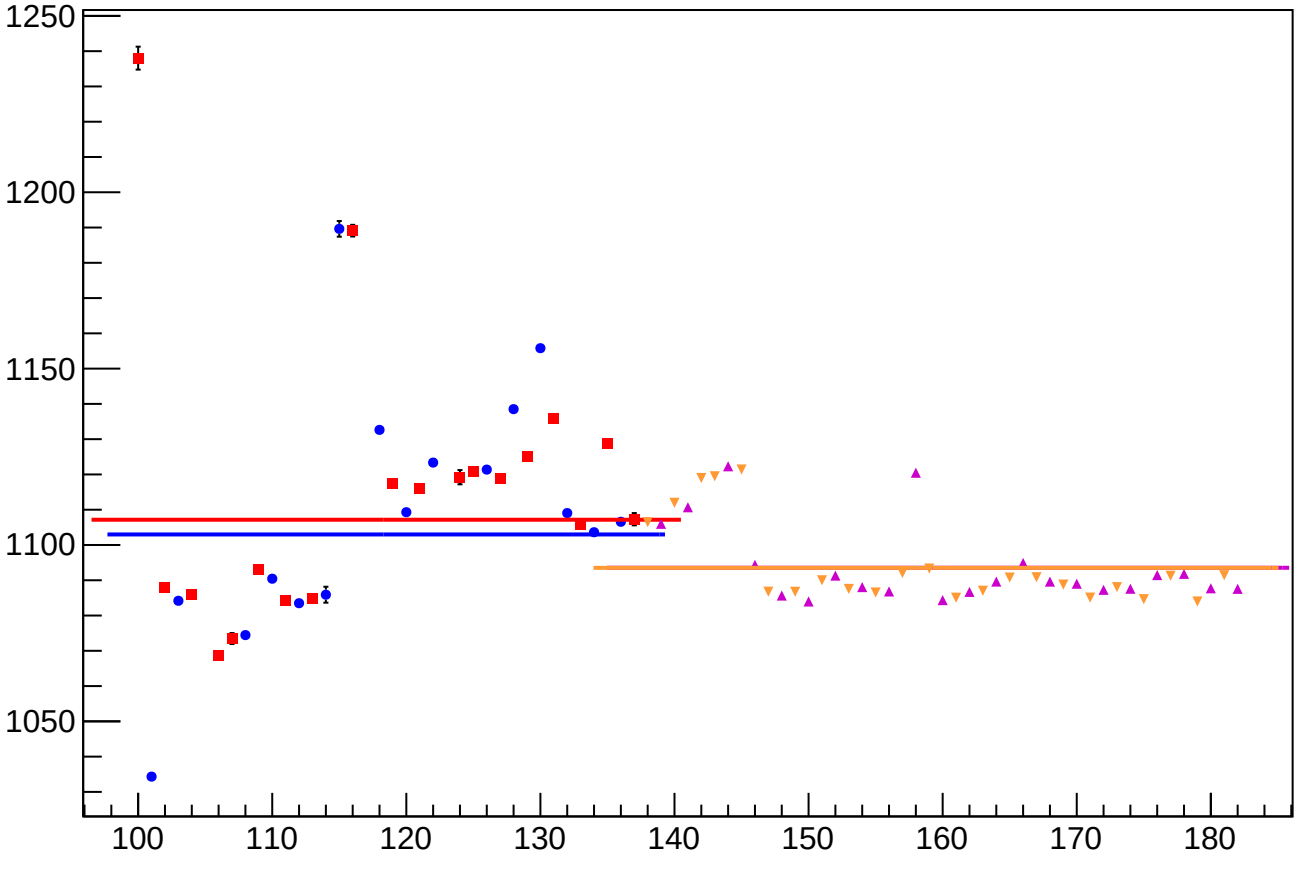
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2451.254+/-217.993 χ^2/NDF:39.7/37

Out: 2068.309+/-215.854 χ^2/NDF:25.9/41

All: 2257.893+/-153.382 χ^2/NDF: 67.2/79

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1093.525+/-0.181 χ^2/NDF:3882.5/22

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

Left In: 1093.544+/-0.182 χ^2/NDF:3648.9/21

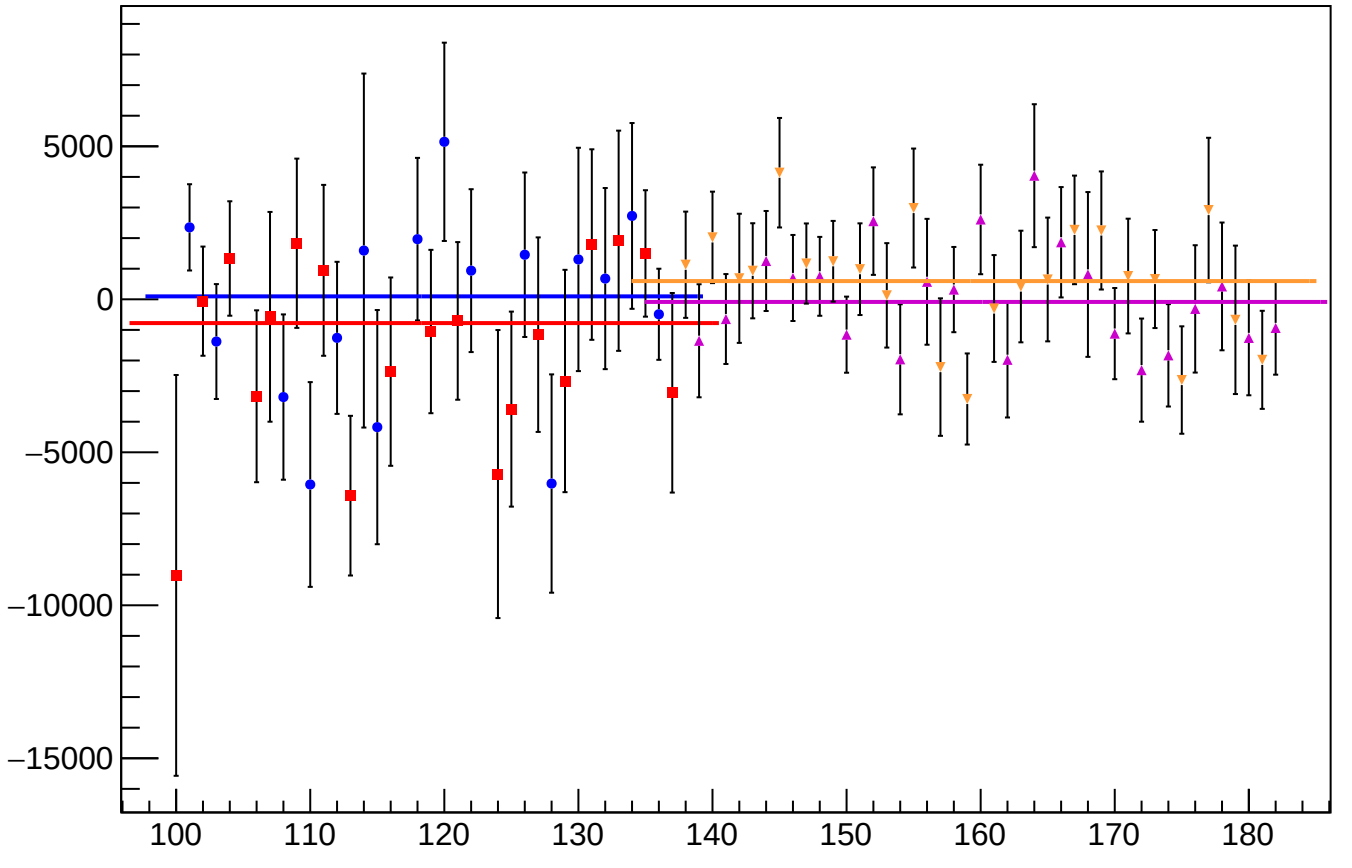
Left: 1093.535+/-0.128 χ^2/NDF: 7531.4/44

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

In: 1096.216+/-0.154 χ^2/NDF:17634.1/37

Out: 1097.421+/-0.153 χ^2/NDF:14194.4/41

All: 1096.825+/-0.108 χ^2/NDF: 31859.4/79



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 595.587+/-358.362 χ^2/NDF:24.4/22

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

Left In: -85.968+/-357.497 χ^2/NDF:18.1/21

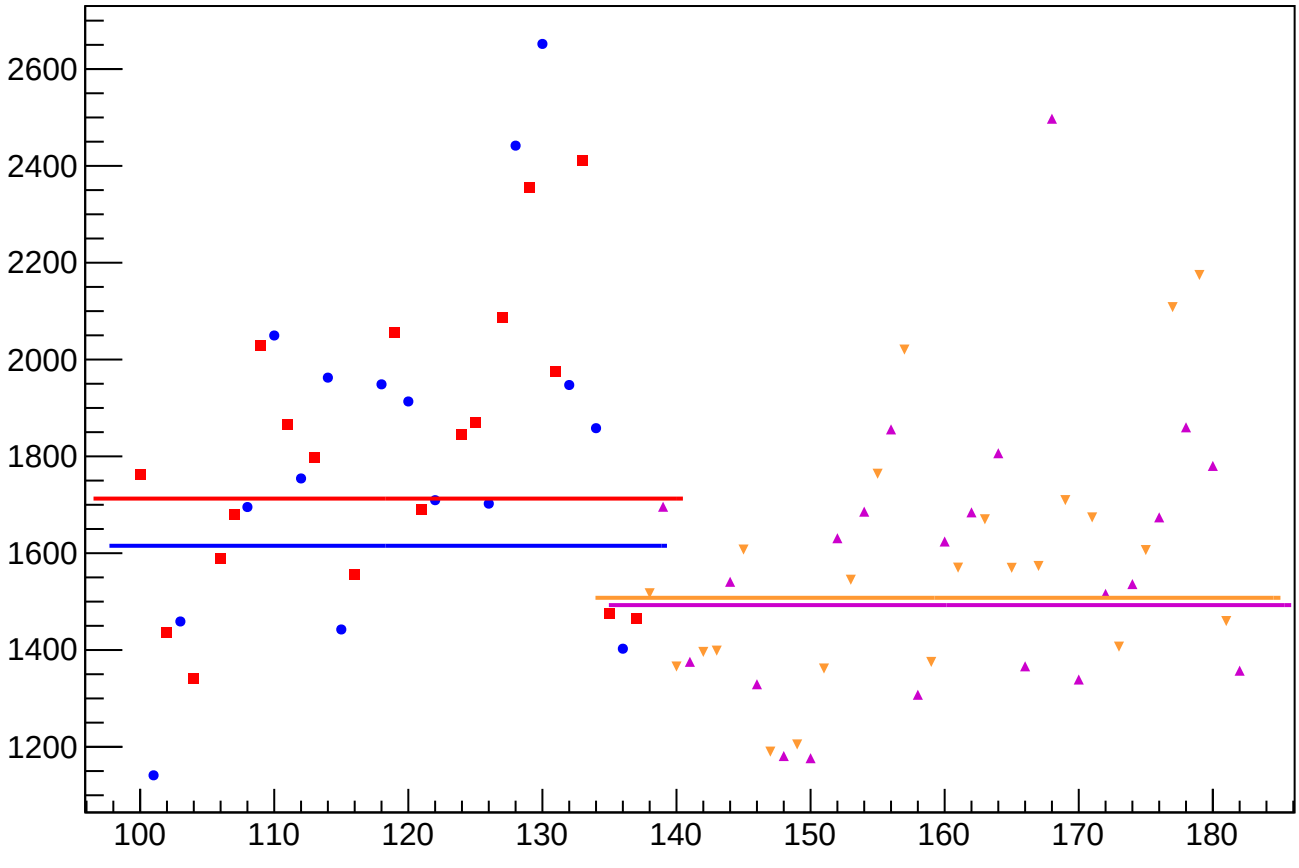
Left: 253.986+/-253.094 χ^2/NDF: 44.3/44

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

In: -40.365+/-309.463 χ^2/NDF:35.0/37

Out: 265.583+/-312.325 χ^2/NDF:43.0/41

All: 111.200+/-219.828 χ^2/NDF: 78.6/79



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

Left Out: 1507.877+/-0.253 χ^2/NDF:794426.9/22

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

Left In: 1492.781+/-0.253 χ^2/NDF:963421.6/21

Left: 1500.311+/-0.179 χ^2/NDF: 1759627.2/44

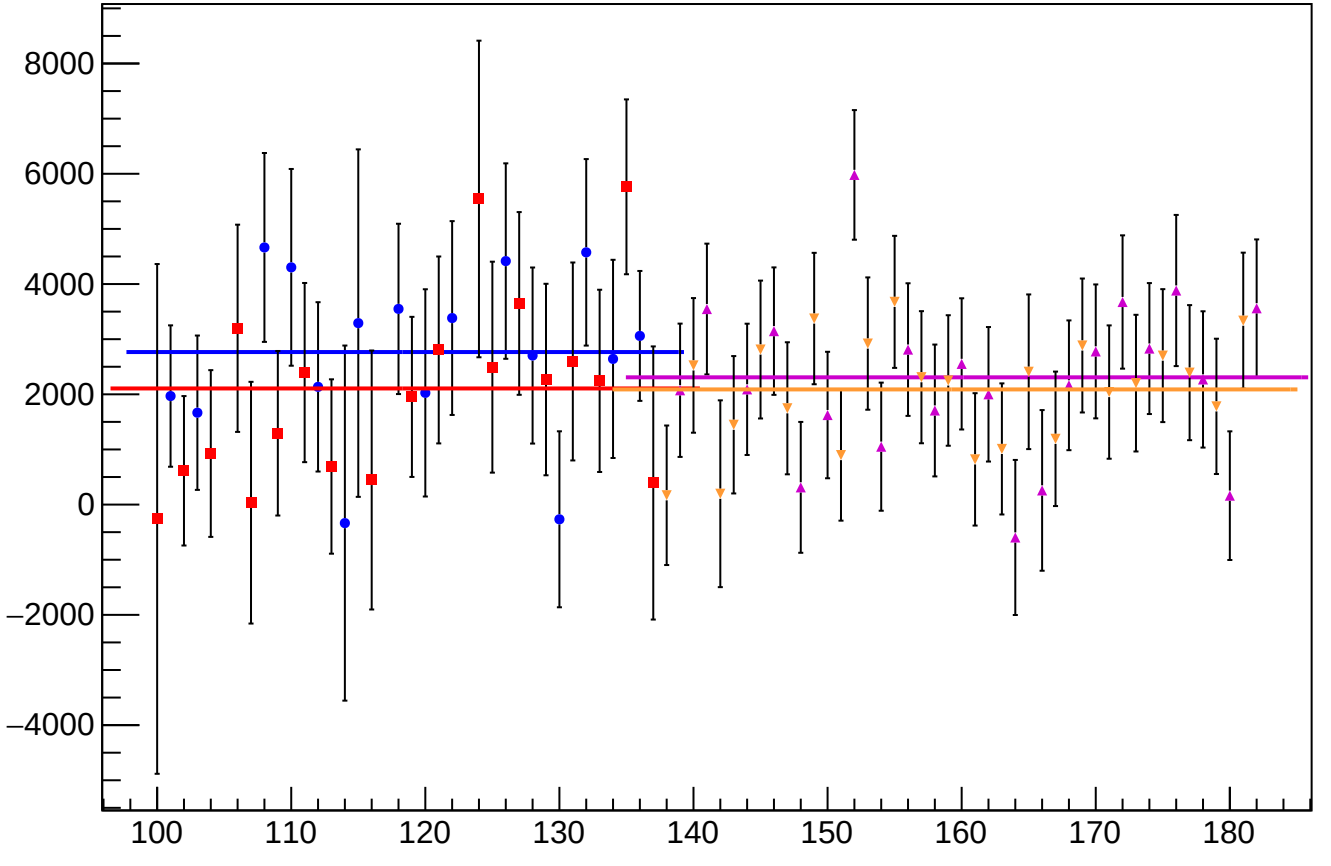
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1523.497+/-0.219 χ^2/NDF:1715950.4/37

Out: 1557.145+/-0.221 χ^2/NDF:1379723.5/41

All: 1540.166+/-0.155 χ^2/NDF: 3107387.5/79

dit_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2088.841+/-257.261 χ^2/NDF:13.2/22

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

Left In: 2308.143+/-259.181 χ^2/NDF:29.9/21

Left: 2197.677+/-182.586 χ^2/NDF: 43.5/44

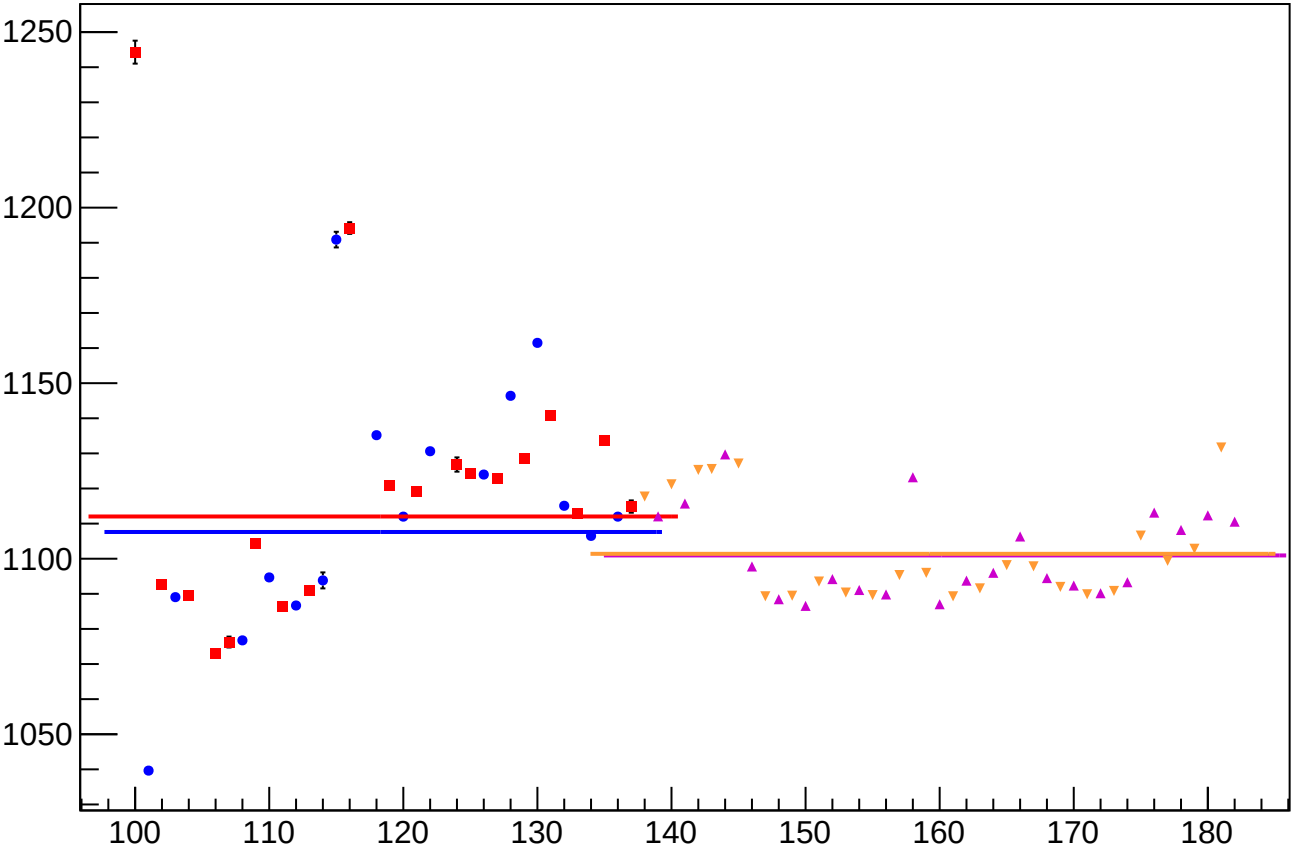
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2438.346+/-219.316 χ^2/NDF:41.1/37

Out: 2093.866+/-217.244 χ^2/NDF:26.5/41

All: 2264.472+/-154.342 χ^2/NDF: 68.9/79

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1101.391+/-0.182 χ^2/NDF:5868.8/22

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

Left In: 1100.935+/-0.183 χ^2/NDF:4605.1/21

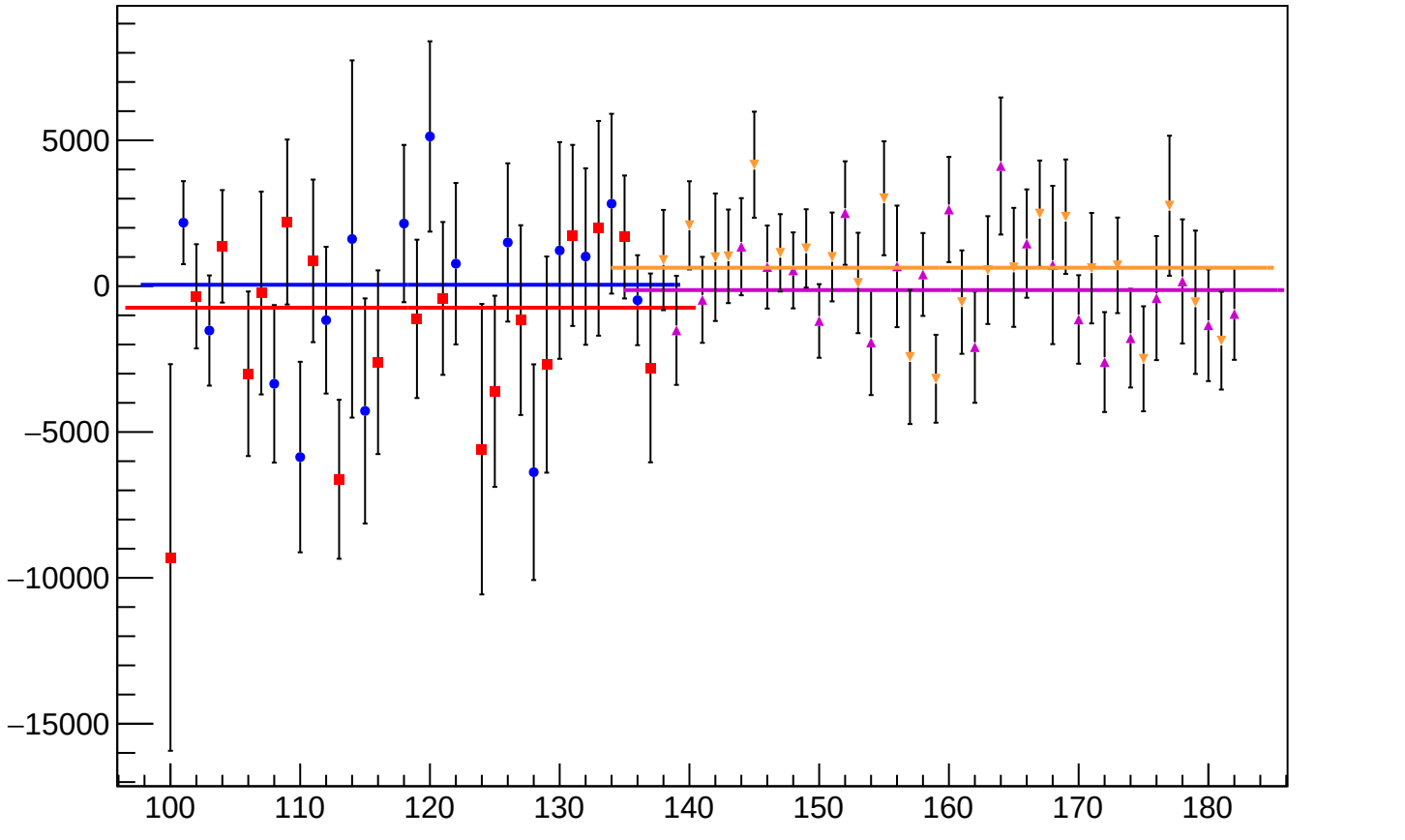
Left: 1101.164+/-0.129 χ^2/NDF: 10477.0/44

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

In: 1102.831+/-0.155 χ^2/NDF:18203.0/37

Out: 1104.443+/-0.154 χ^2/NDF:15503.5/41

All: 1103.645+/-0.109 χ^2/NDF: 33761.0/79



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 631.445+/-364.462 χ^2/NDF:23.5/22

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

Left In: -133.963+/-362.695 χ^2/NDF:17.8/21

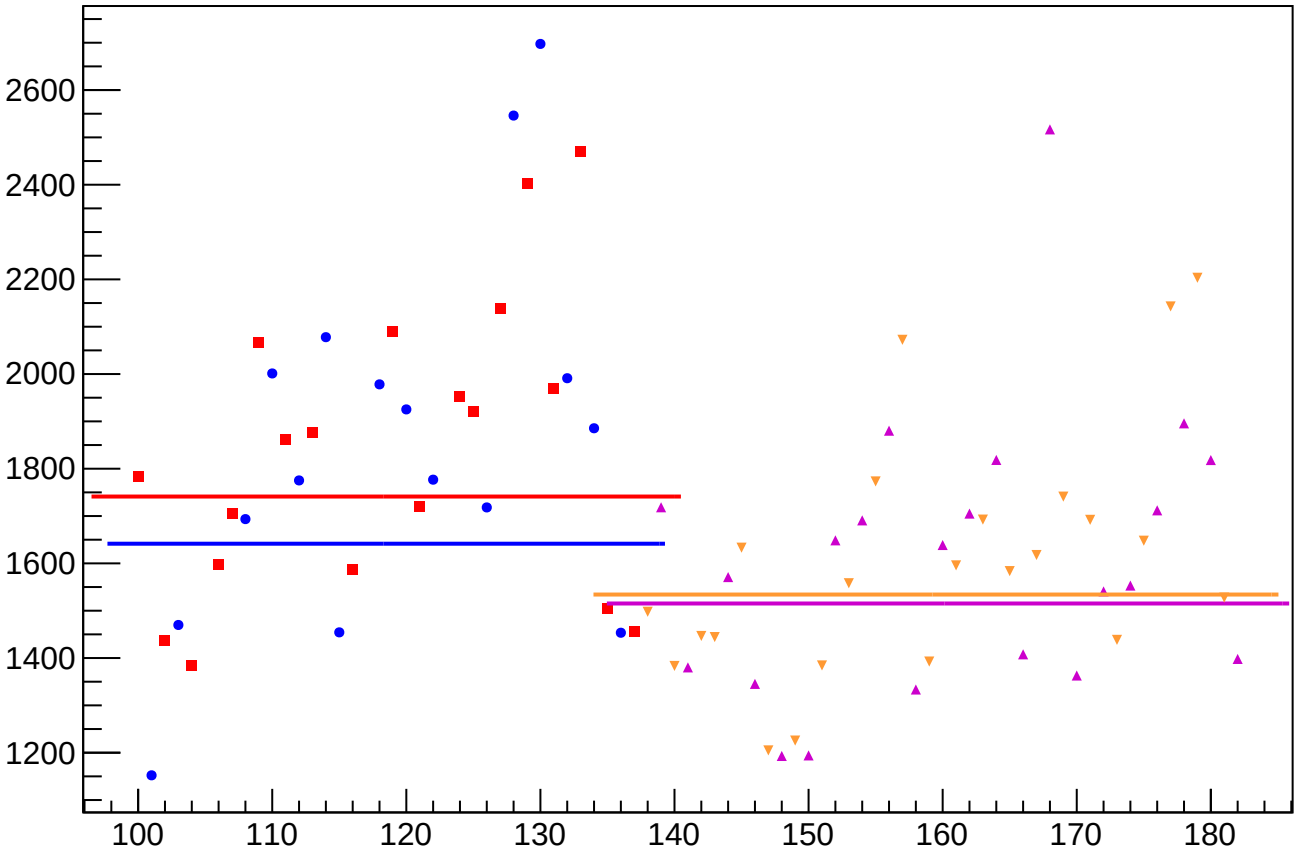
Left: 246.880+/-257.087 χ^2/NDF: 43.6/44

Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: -88.502+/-314.085 χ^2/NDF:34.8/37

Out: 302.140+/-317.640 χ^2/NDF:41.9/41

All: 104.620+/-223.338 χ^2/NDF: 77.4/79



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1534.145+/-0.258 χ^2/NDF:792719.8/22

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

Left In: 1515.236+/-0.256 χ^2/NDF:952987.6/21

Left: 1524.645+/-0.182 χ^2/NDF: 1748412.0/44

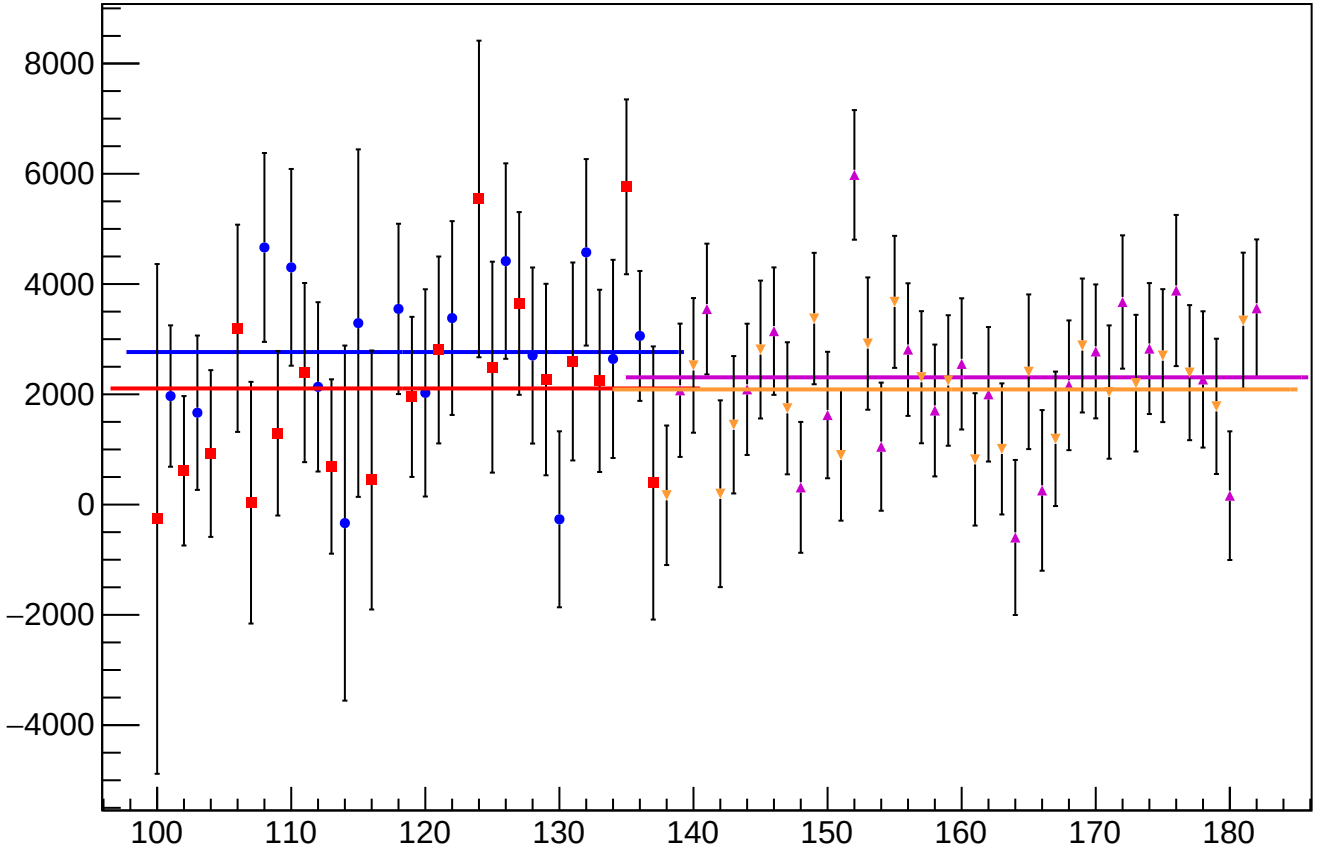
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1546.823+/-0.222 χ^2/NDF:1714952.4/37

Out: 1583.928+/-0.225 χ^2/NDF:1386256.8/41

All: 1565.166+/-0.158 χ^2/NDF: 3115008.6/79

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2088.839+/-257.261 χ^2/NDF:13.2/22

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

Left In: 2308.143+/-259.181 χ^2/NDF:29.9/21

Left: 2197.676+/-182.586 χ^2/NDF: 43.5/44

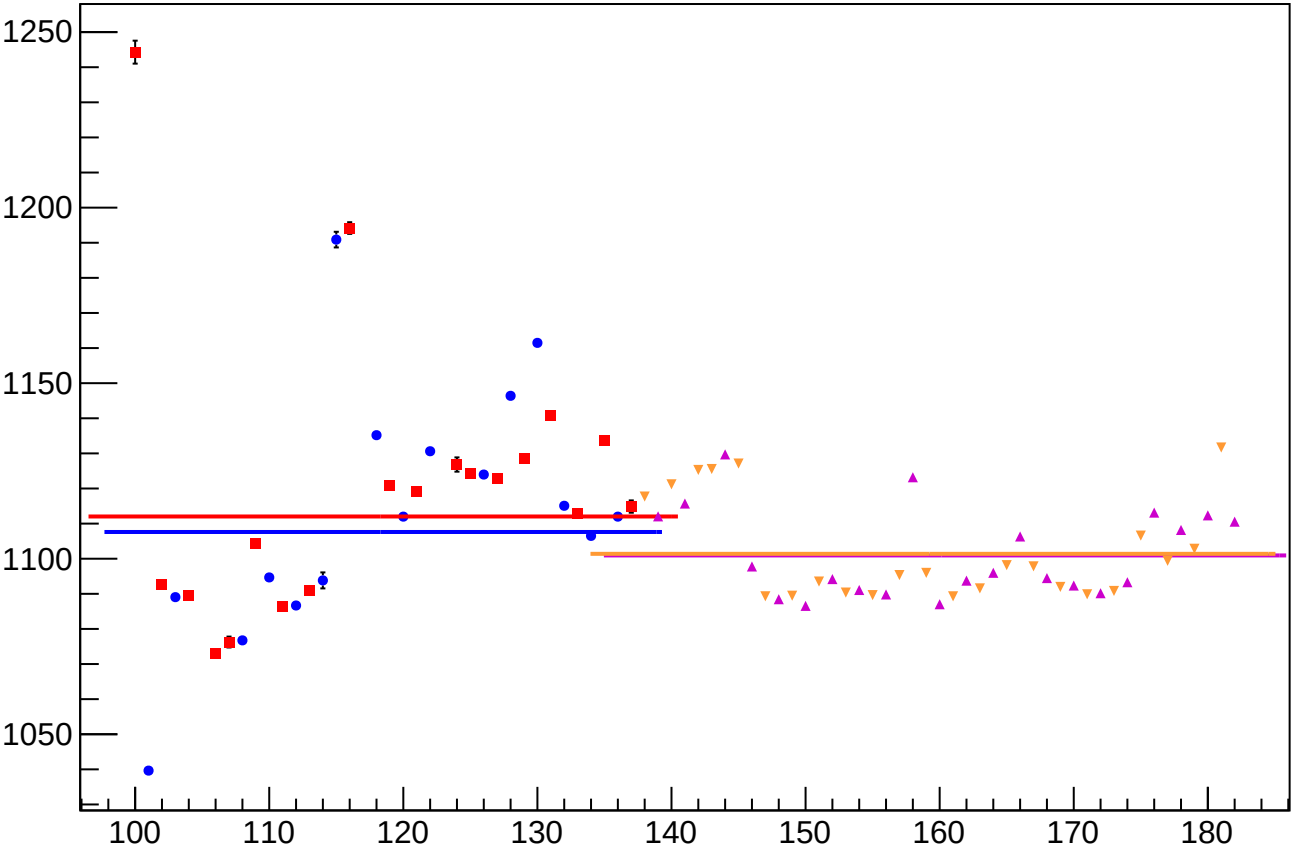
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2438.345+/-219.316 χ^2/NDF:41.1/37

Out: 2093.866+/-217.244 χ^2/NDF:26.5/41

All: 2264.471+/-154.342 χ^2/NDF: 68.9/79

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1101.391+/-0.182 χ^2/NDF:5868.8/22

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

Left In: 1100.935+/-0.183 χ^2/NDF:4605.1/21

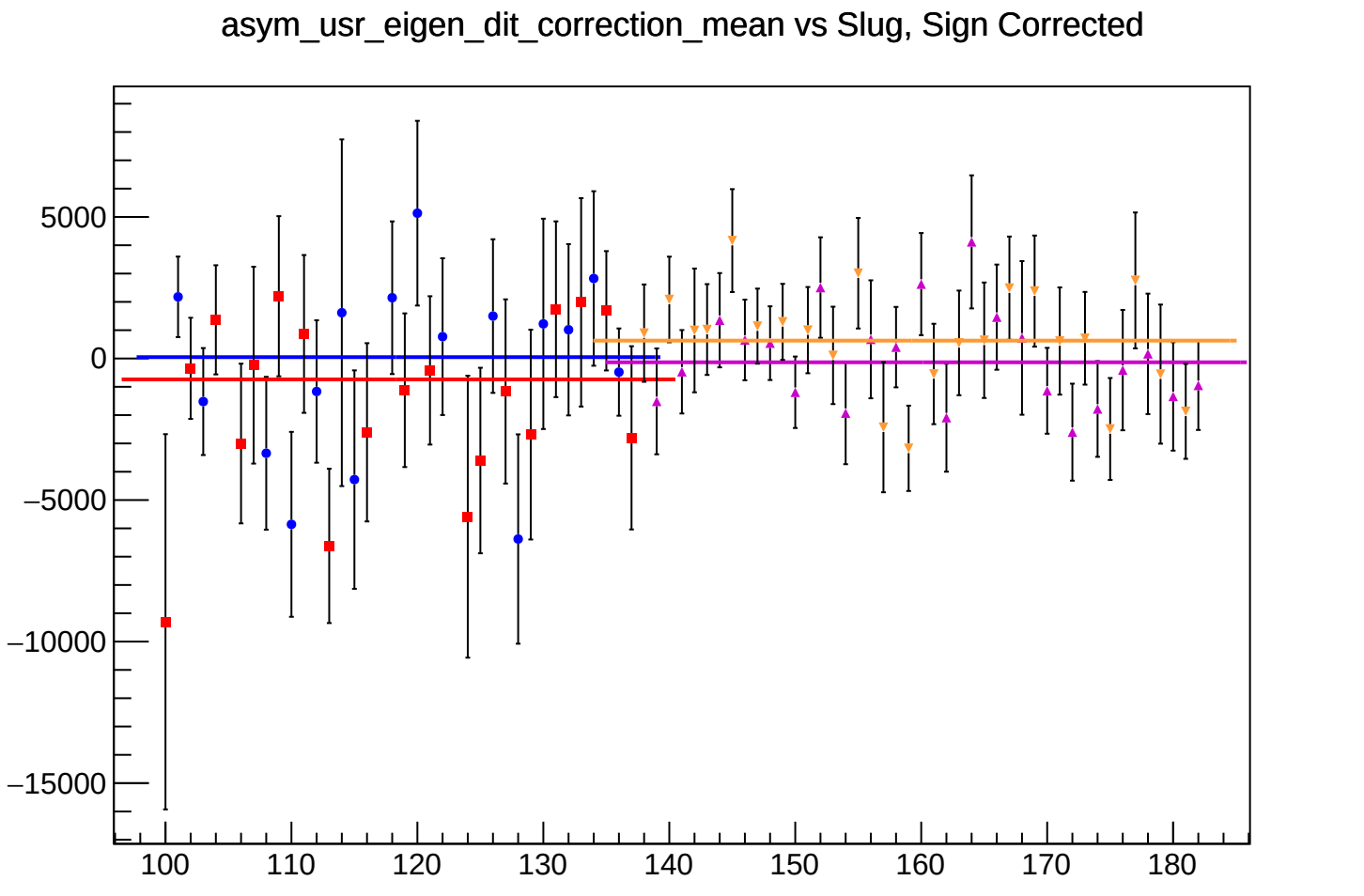
Left: 1101.164+/-0.129 χ^2/NDF: 10476.9/44

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

In: 1102.831+/-0.155 χ^2/NDF:18202.8/37

Out: 1104.443+/-0.154 χ^2/NDF:15503.5/41

All: 1103.645+/-0.109 χ^2/NDF: 33760.8/79



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 631.444+/-364.463 χ^2/NDF:23.5/22

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

Left In: -133.963+/-362.696 χ^2/NDF:17.8/21

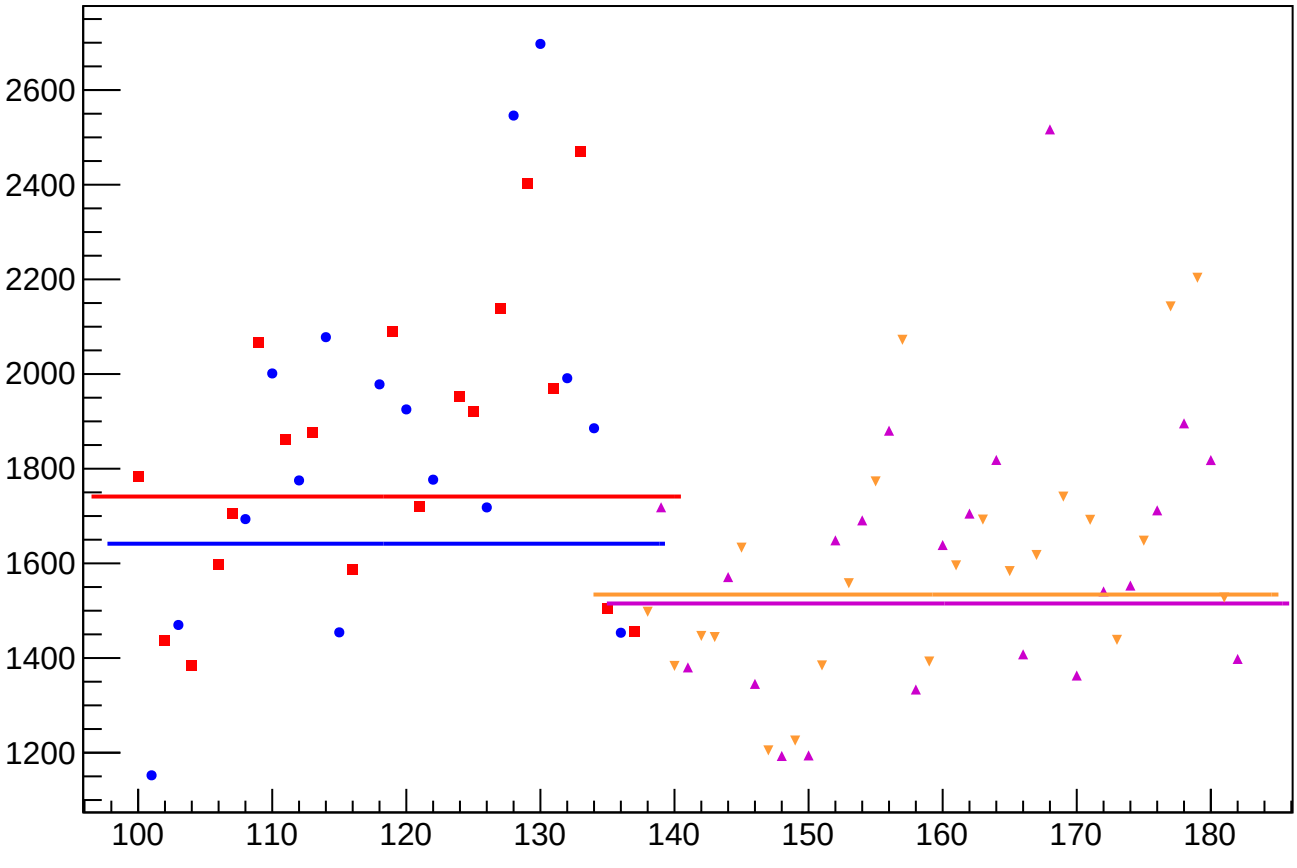
Left: 246.880+/-257.087 χ^2/NDF: 43.6/44

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

In: -88.503+/-314.085 χ^2/NDF:34.8/37

Out: 302.136+/-317.641 χ^2/NDF:41.8/41

All: 104.618+/-223.338 χ^2/NDF: 77.4/79



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1534.149+/-0.258 χ^2/NDF:792723.7/22

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

Left In: 1515.240+/-0.256 χ^2/NDF:952993.4/21

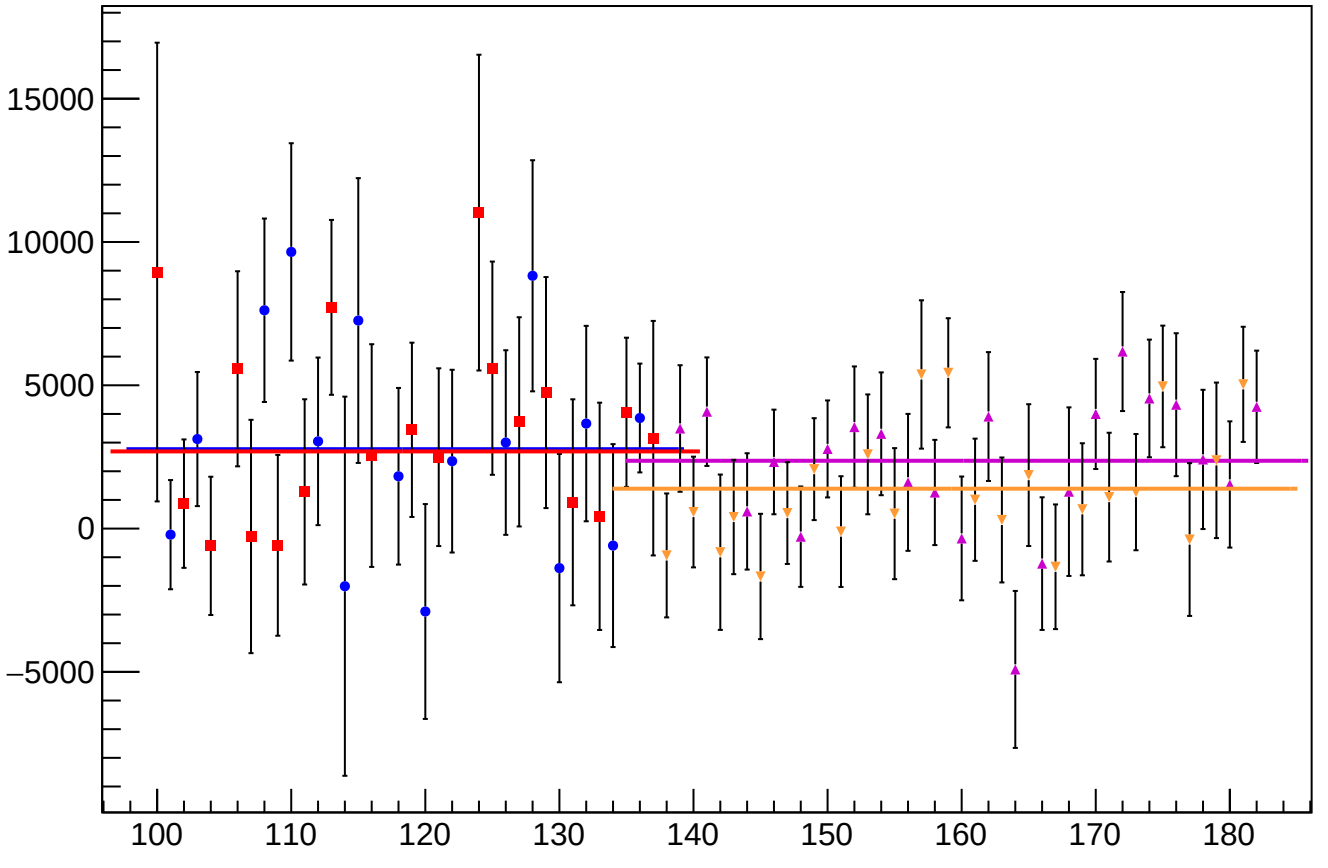
Left: 1524.648+/-0.182 χ^2/NDF: 1748421.7/44

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

In: 1546.825+/-0.222 χ^2/NDF:1714940.5/37

Out: 1583.931+/-0.225 χ^2/NDF:1386240.7/41

All: 1565.169+/-0.158 χ^2/NDF: 3114980.8/79



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1391.420+/-446.926 χ^2/NDF:21.2/22

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

Left In: 2365.870+/-447.242 χ^2/NDF:23.7/21

Left: 1878.300+/-316.136 χ^2/NDF: 47.3/44

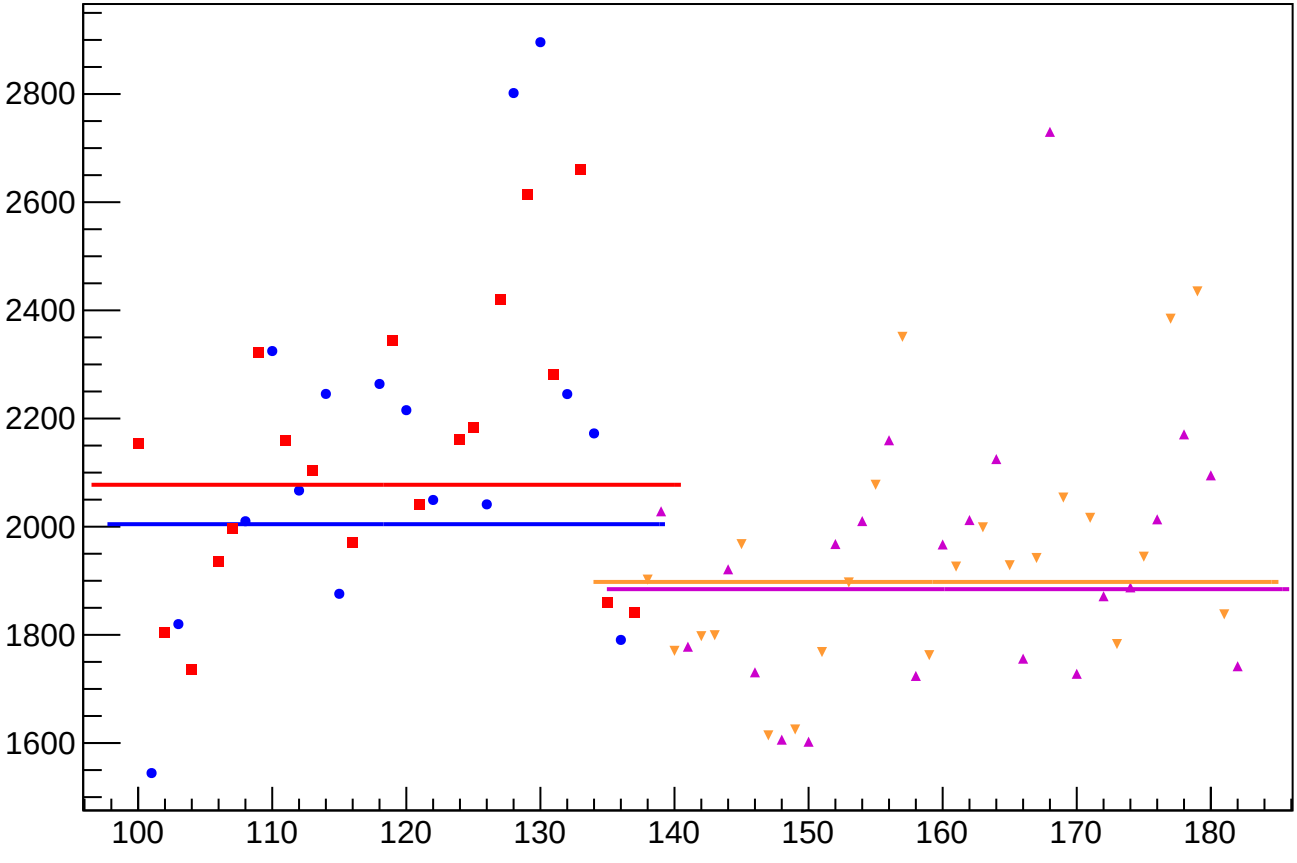
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2470.400+/-385.074 χ^2/NDF:40.3/37

Out: 1722.038+/-385.993 χ^2/NDF:35.9/41

All: 2097.112+/-272.613 χ^2/NDF: 78.2/79

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1897.885+/-0.316 χ^2/NDF:384037.6/22

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1884.499+/-0.316 χ^2/NDF:459098.6/21

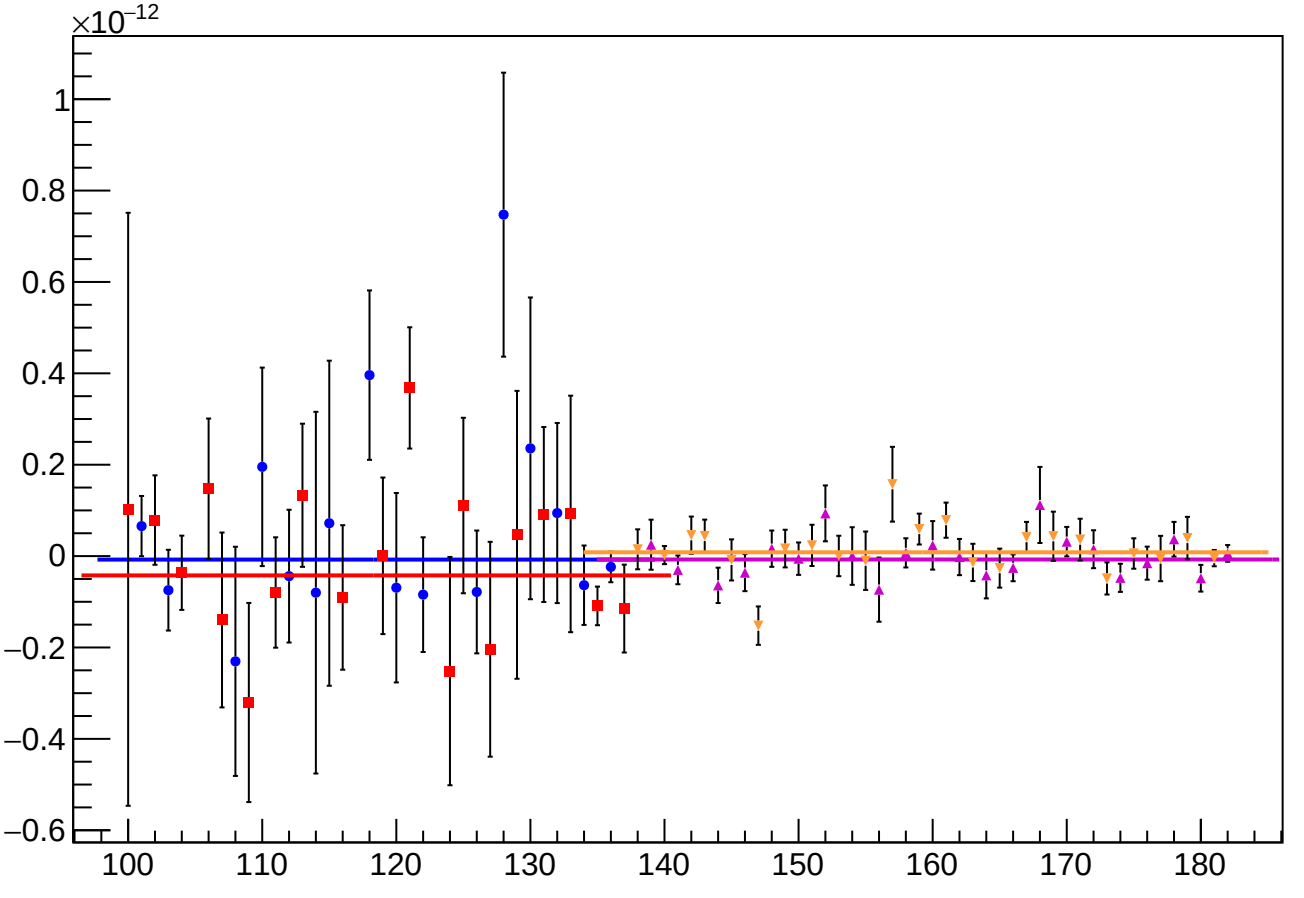
Left: 1891.197+/-0.224 χ^2/NDF: 844032.7/44

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

In: 1915.576+/-0.272 χ^2/NDF:883996.4/37

Out: 1943.523+/-0.273 χ^2/NDF:696597.4/41

All: 1929.516+/-0.193 χ^2/NDF: 1585848.2/79



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/21

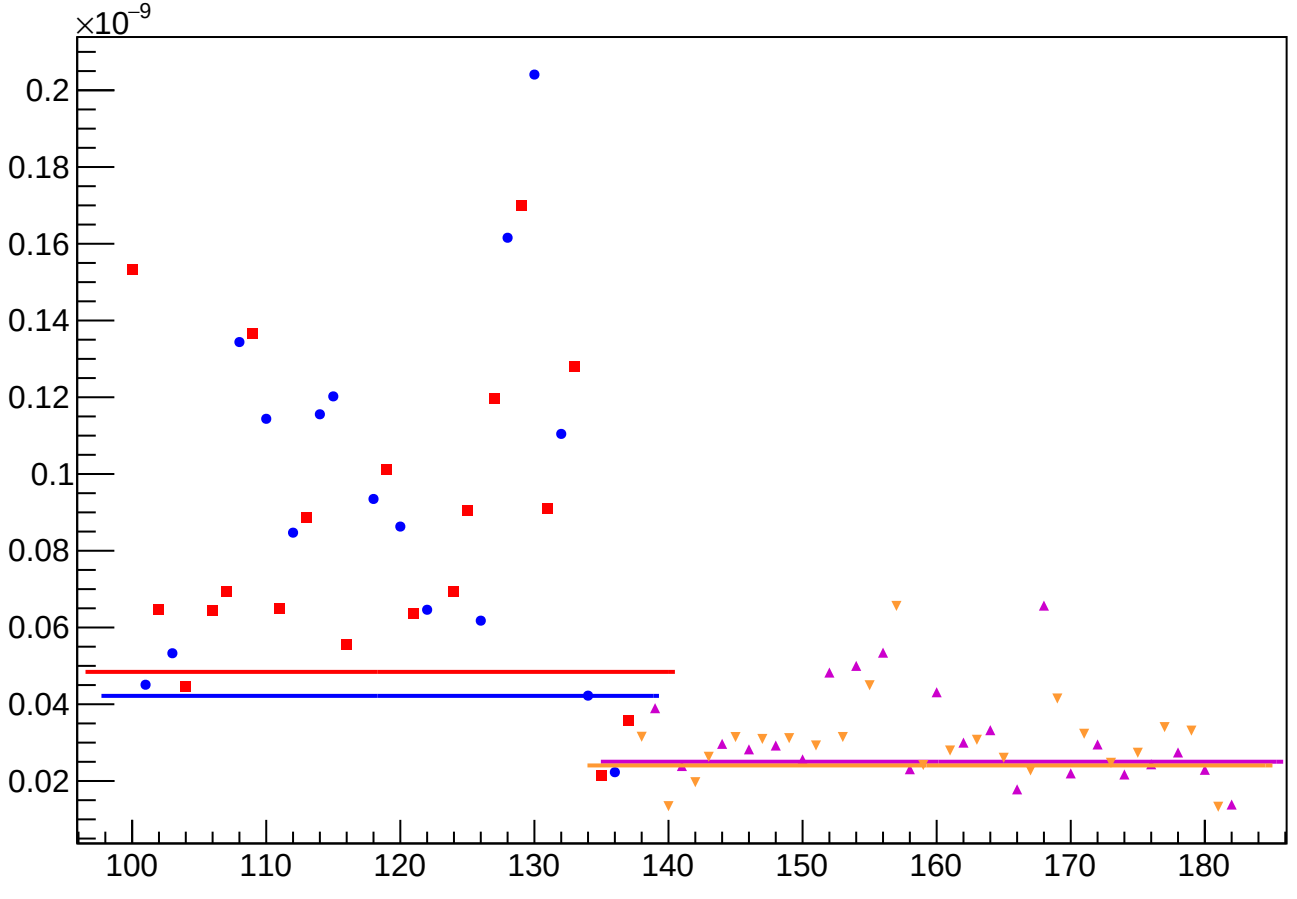
Left: 0.000+/-0.000 χ^2/NDF: 52.7/44

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

In: -0.000+/-0.000 χ^2/NDF:34.8/37

Out: 0.000+/-0.000 χ^2/NDF:57.3/41

All: -0.000+/-0.000 χ^2/NDF: 93.5/79



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2907351.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2878160.5/21

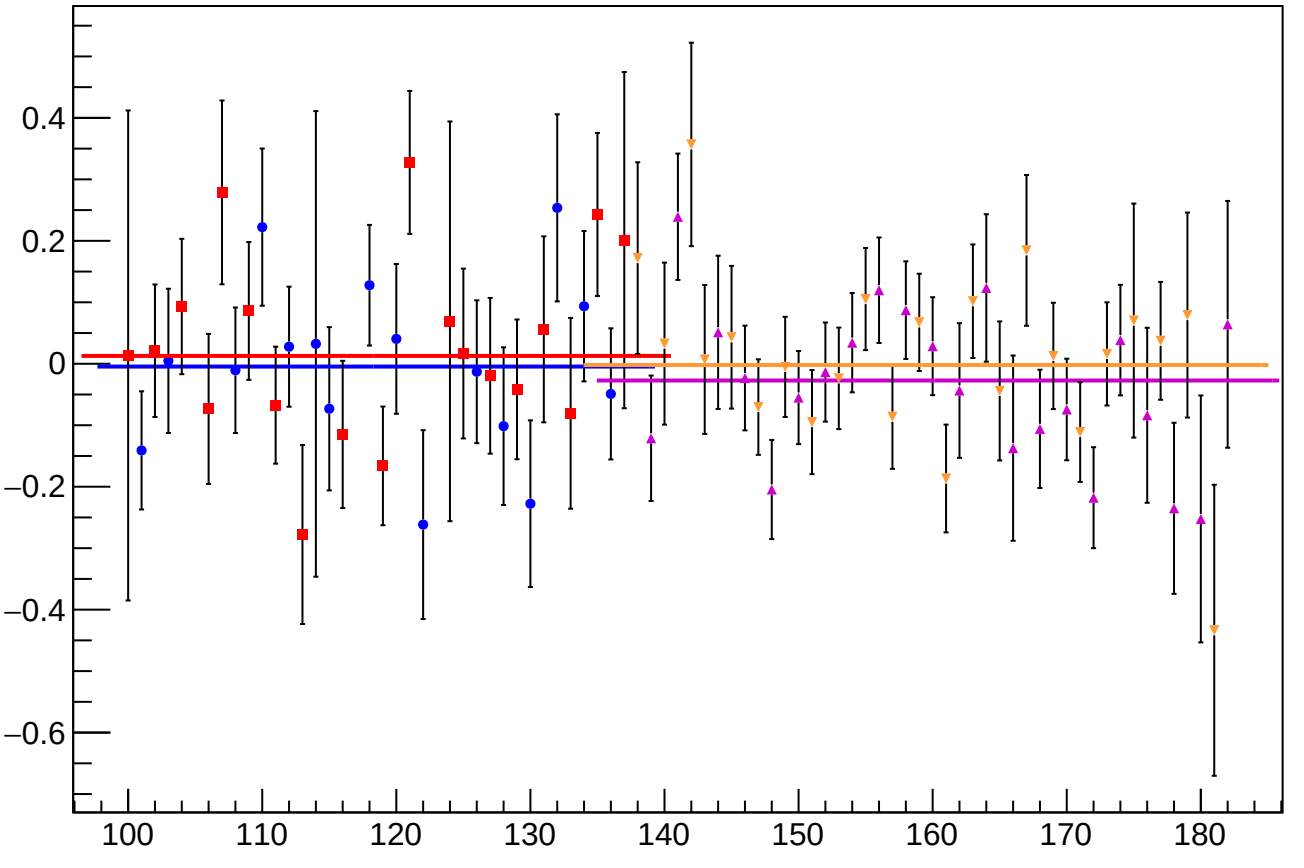
Left: 0.000+/-0.000 χ^2/NDF: 5801667.0/44

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

In: 0.000+/-0.000 χ^2/NDF:6717798.0/37

Out: 0.000+/-0.000 χ^2/NDF:7023725.4/41

All: 0.000+/-0.000 χ^2/NDF: 13753466.9/79



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:25.6/22

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.027+/-0.021 χ^2/NDF:31.9/21

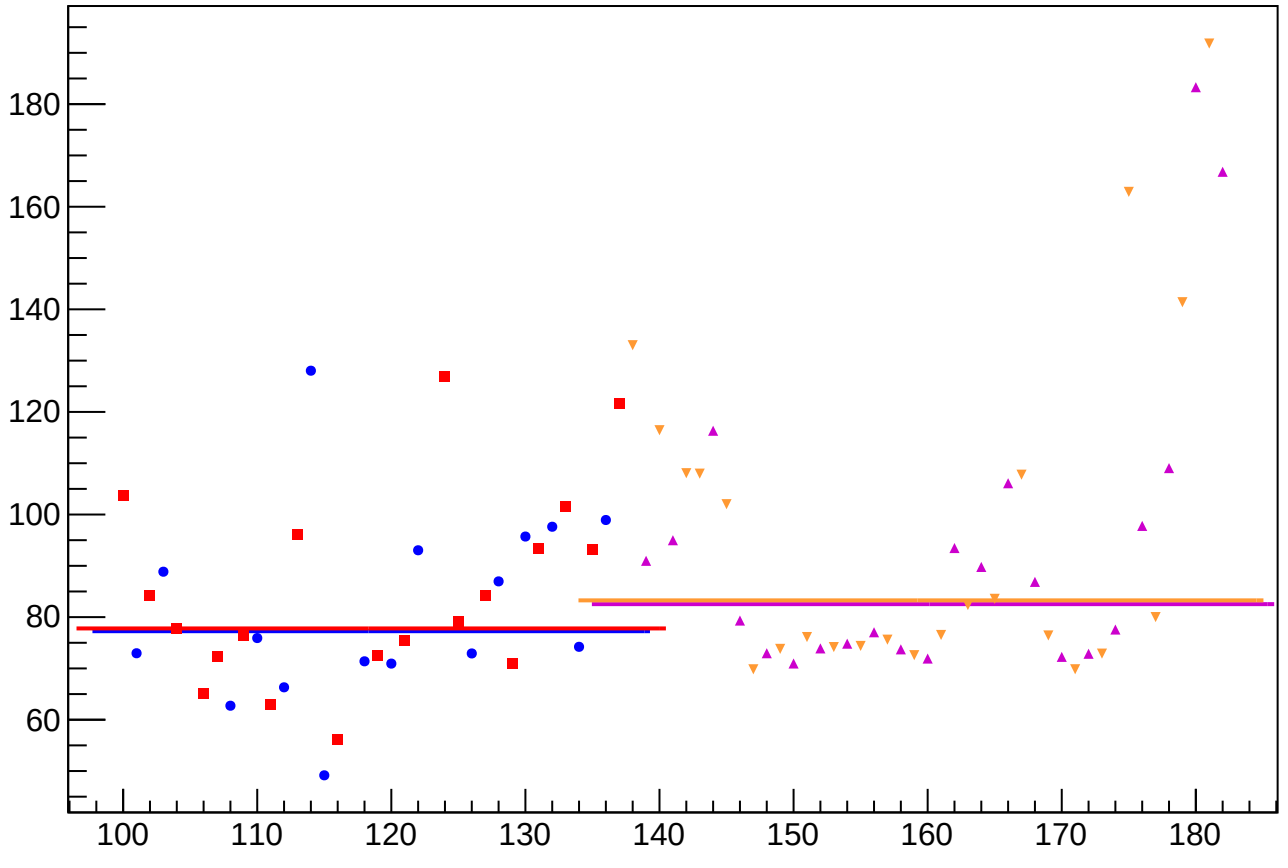
Left: -0.015+/-0.015 χ^2/NDF: 58.2/44

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.020+/-0.017 χ^2/NDF:49.6/37

Out: 0.003+/-0.017 χ^2/NDF:51.2/41

All: -0.009+/-0.012 χ^2/NDF: 101.7/79



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 83.267+/-0.015 χ^2/NDF:1916901.2/22

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 82.532+/-0.015 χ^2/NDF:1473730.5/21

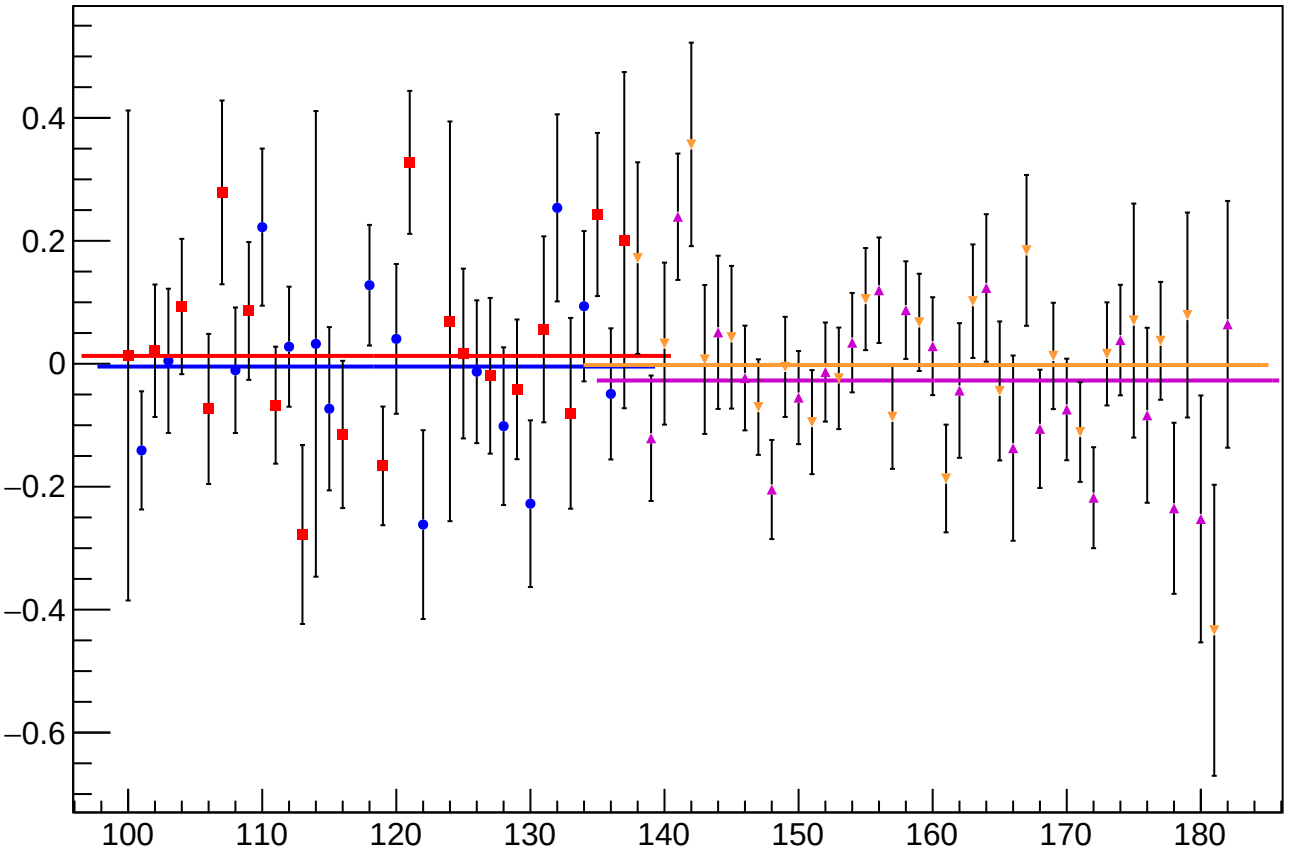
Left: 82.898+/-0.010 χ^2/NDF: 3391897.2/44

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

In: 80.845+/-0.012 χ^2/NDF:1934905.0/37

Out: 81.480+/-0.012 χ^2/NDF:2359001.3/41

All: 81.163+/-0.008 χ^2/NDF: 4295304.1/79



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:25.6/22

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.027+/-0.021 χ^2/NDF:31.9/21

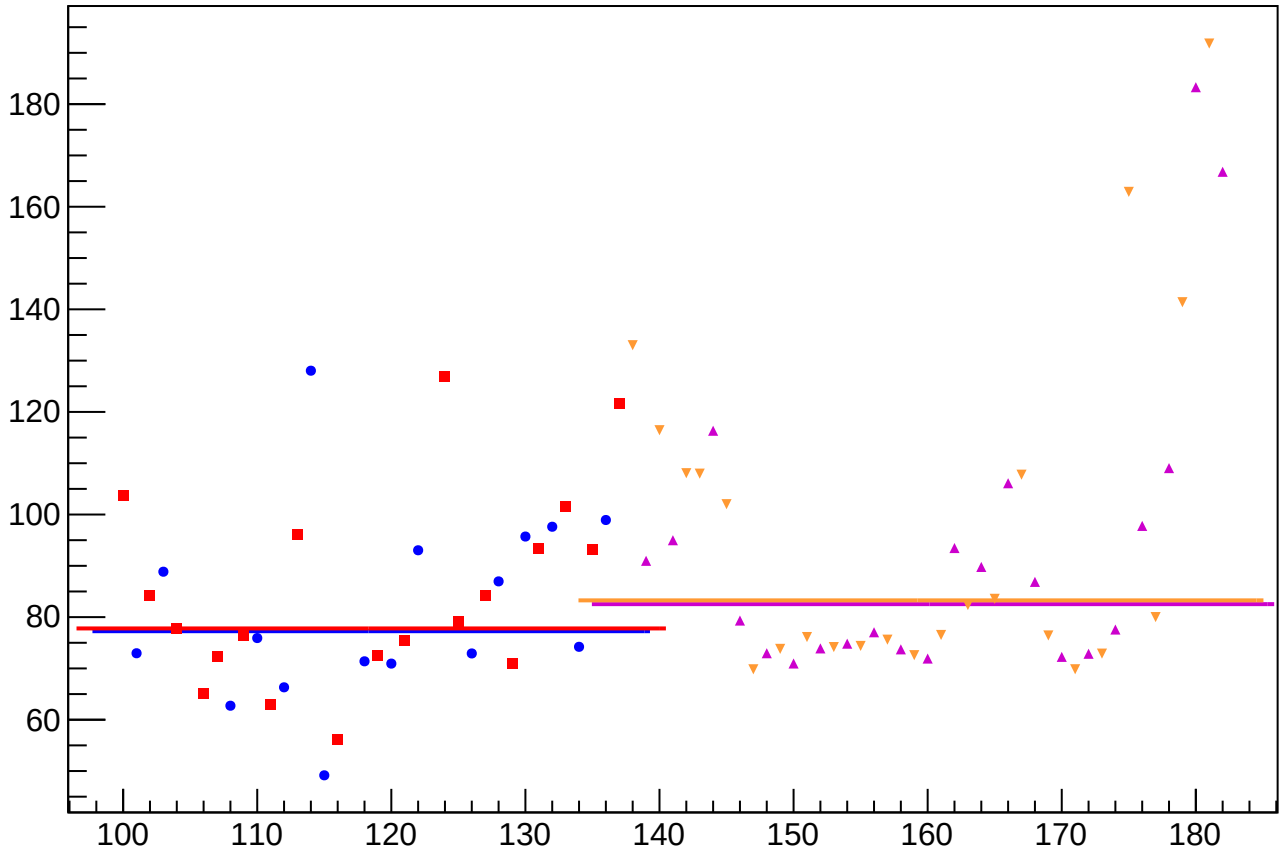
Left: -0.015+/-0.015 χ^2/NDF: 58.2/44

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.020+/-0.017 χ^2/NDF:49.6/37

Out: 0.003+/-0.017 χ^2/NDF:51.2/41

All: -0.009+/-0.012 χ^2/NDF: 101.7/79



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 83.267+/-0.015 χ^2/NDF:1916901.2/22

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 82.532+/-0.015 χ^2/NDF:1473730.5/21

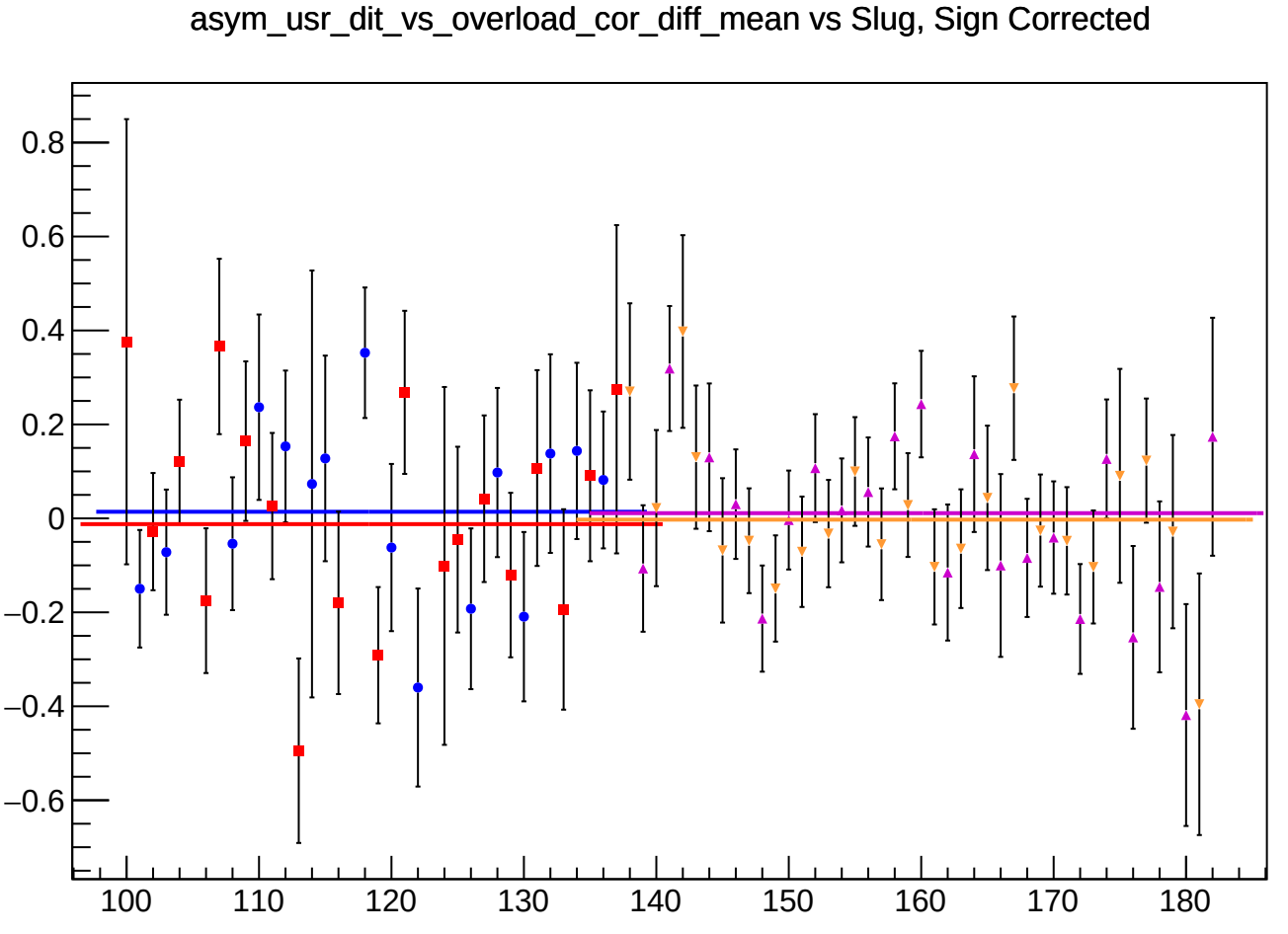
Left: 82.898+/-0.010 χ^2/NDF: 3391897.2/44

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

In: 80.845+/-0.012 χ^2/NDF:1934905.0/37

Out: 81.480+/-0.012 χ^2/NDF:2359001.3/41

All: 81.163+/-0.008 χ^2/NDF: 4295304.1/79



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.003+/-0.028 χ^2/NDF:18.5/22

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.011+/-0.028 χ^2/NDF:31.1/21

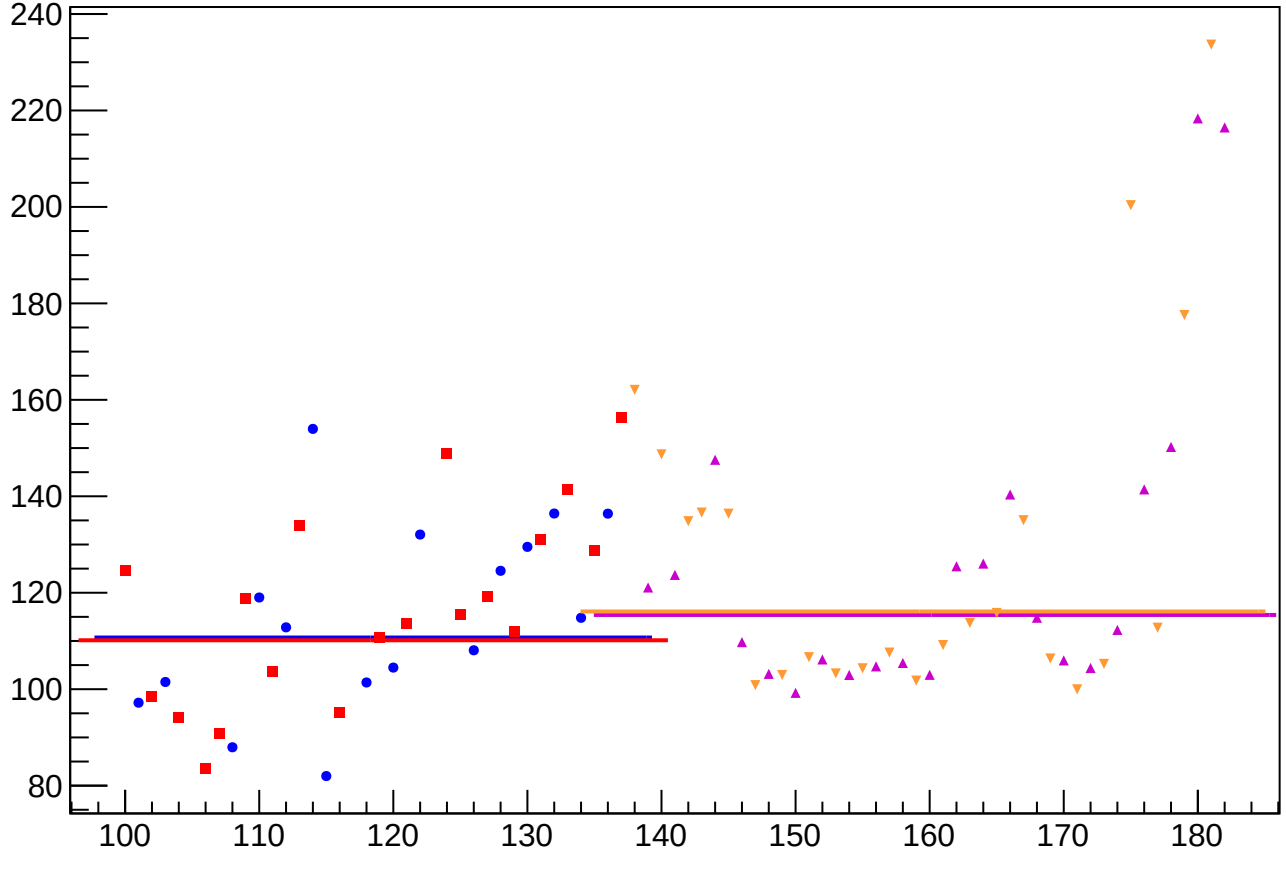
Left: 0.004+/-0.020 χ^2/NDF: 49.8/44

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.012+/-0.023 χ^2/NDF:49.3/37

Out: -0.006+/-0.023 χ^2/NDF:42.3/41

All: 0.003+/-0.017 χ^2/NDF: 91.9/79



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 116.117+/-0.020 χ^2/NDF:1369488.5/22

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 115.395+/-0.020 χ^2/NDF:1155136.4/21

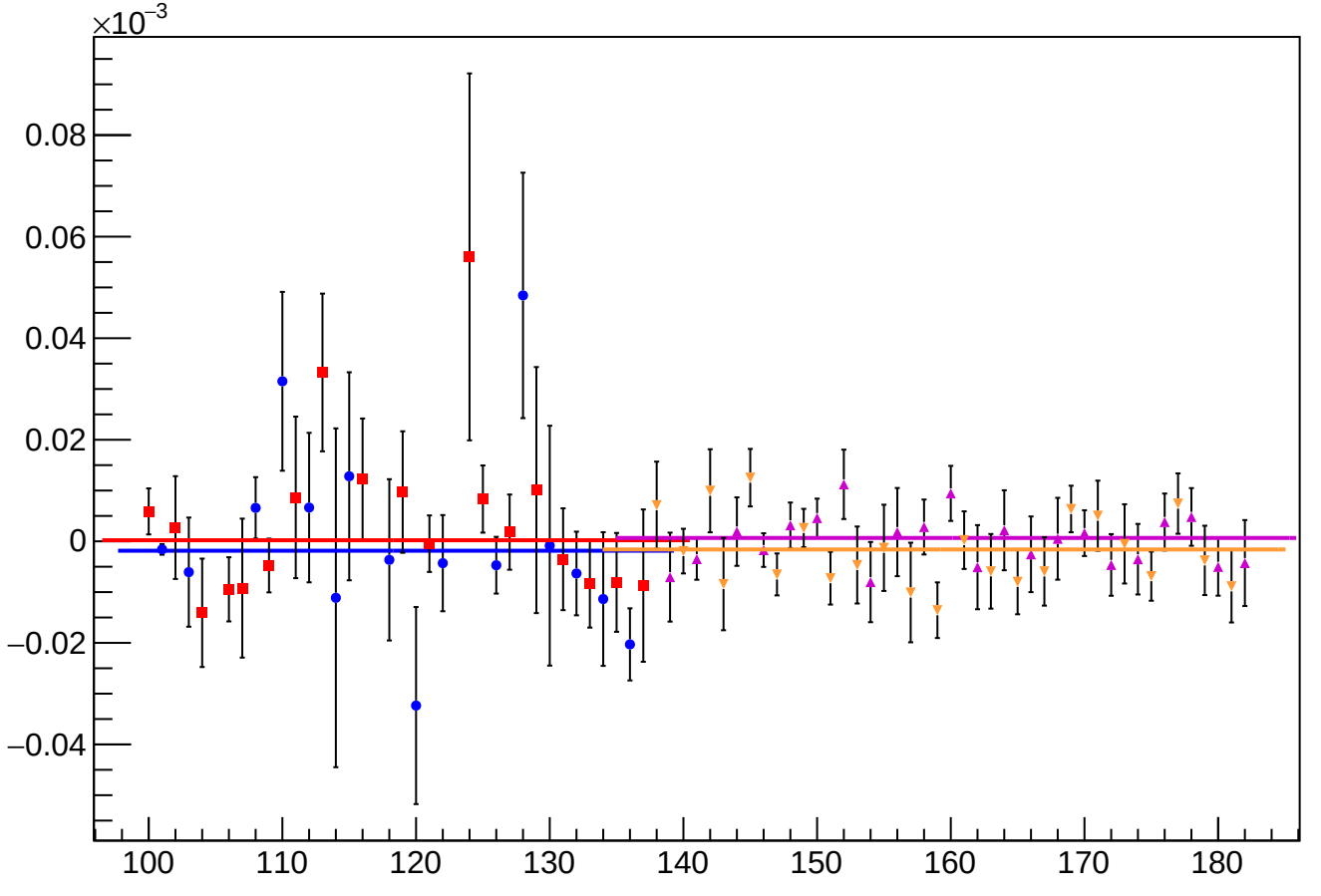
Left: 115.756+/-0.014 χ^2/NDF: 2525276.9/44

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

In: 113.949+/-0.017 χ^2/NDF:1472056.9/37

Out: 114.213+/-0.016 χ^2/NDF:1724687.4/41

All: 114.082+/-0.012 χ^2/NDF: 3196871.5/79



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:14.2/21

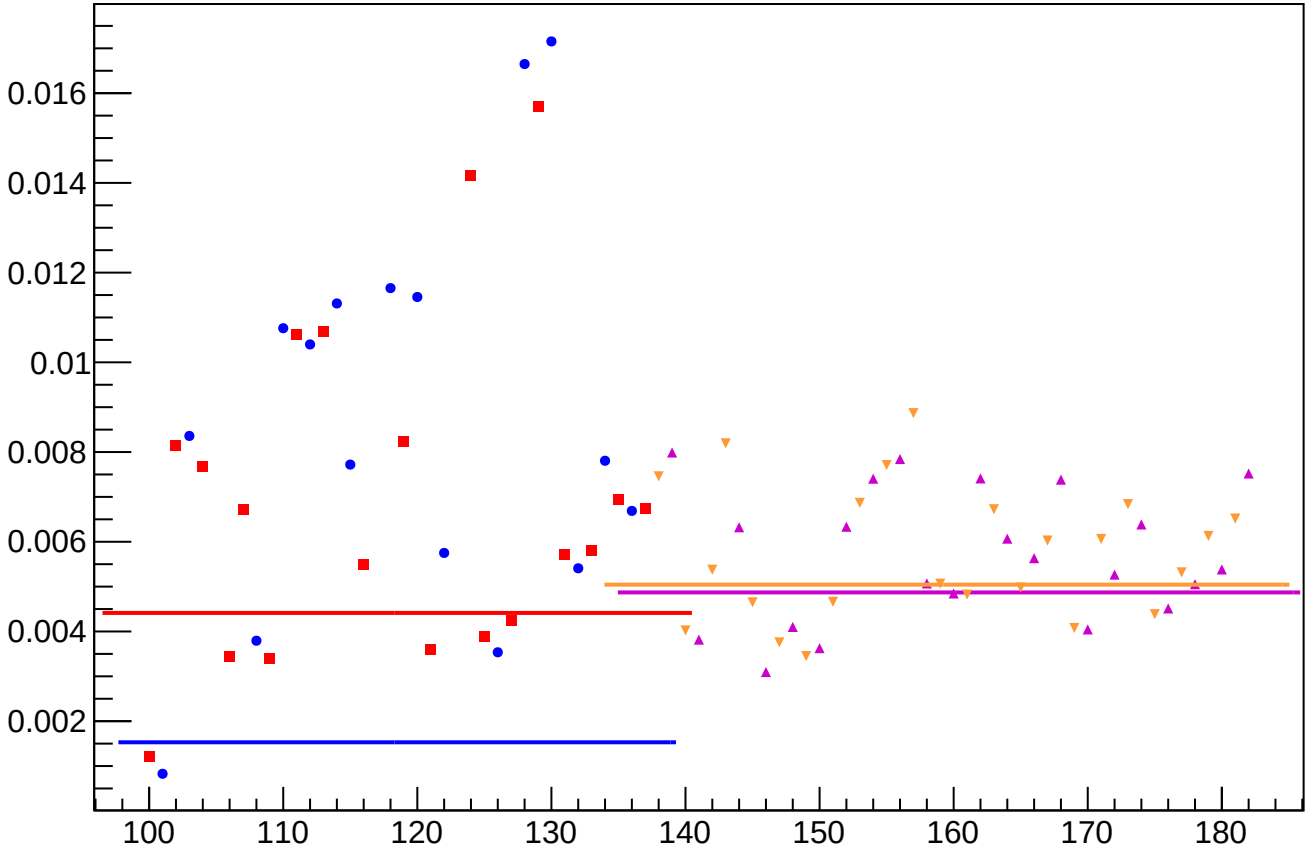
Left: -0.000+/-0.000 χ^2/NDF: 45.7/44

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

In: -0.000+/-0.000 χ^2/NDF:38.2/37

Out: -0.000+/-0.000 χ^2/NDF:50.3/41

All: -0.000+/-0.000 χ^2/NDF: 88.6/79



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2262875.6/22

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2701565.9/21

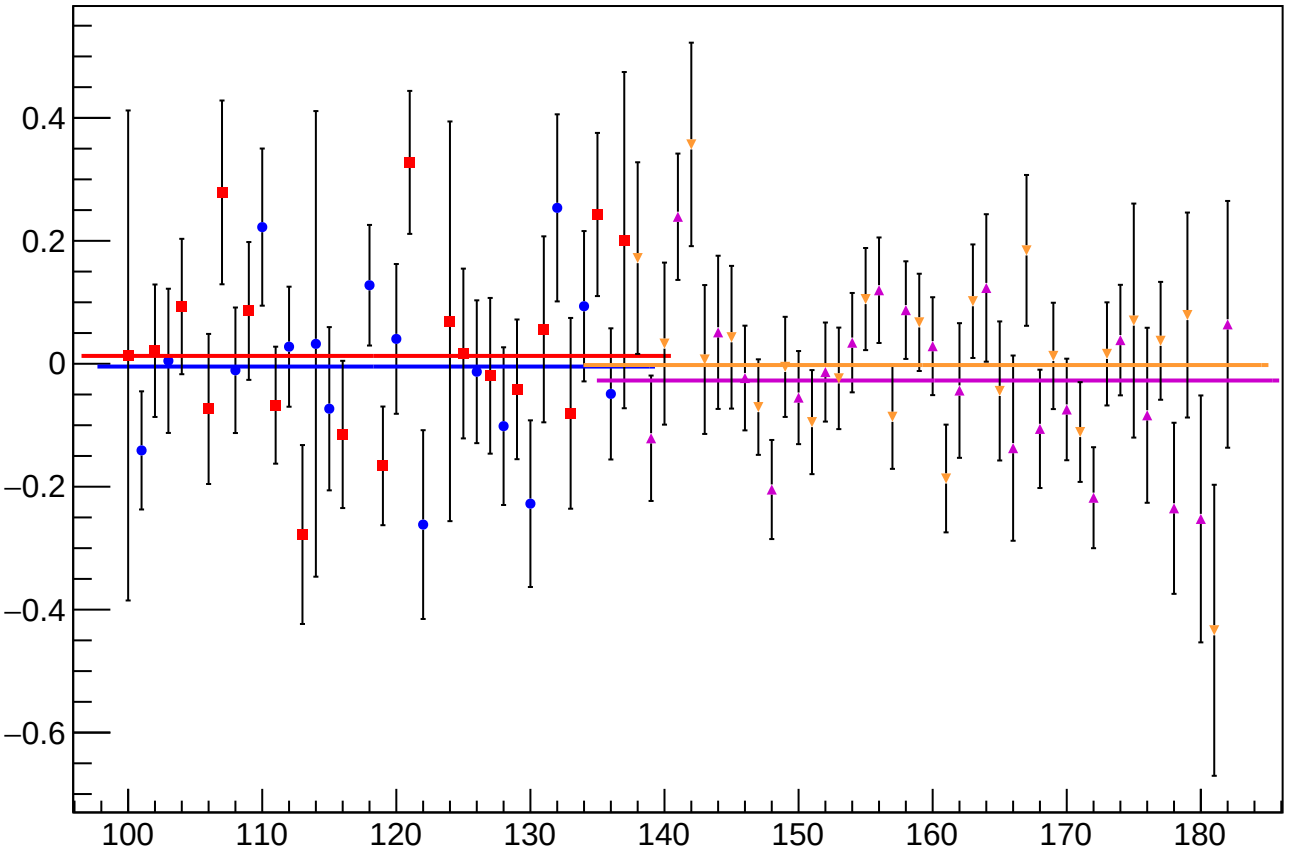
Left: 0.005+/-0.000 χ^2/NDF: 4984683.3/44

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

In: 0.003+/-0.000 χ^2/NDF:21260318.7/37

Out: 0.005+/-0.000 χ^2/NDF:5802849.9/41

All: 0.004+/-0.000 χ^2/NDF: 31952033.2/79



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:25.6/22

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.027+/-0.021 χ^2/NDF:31.9/21

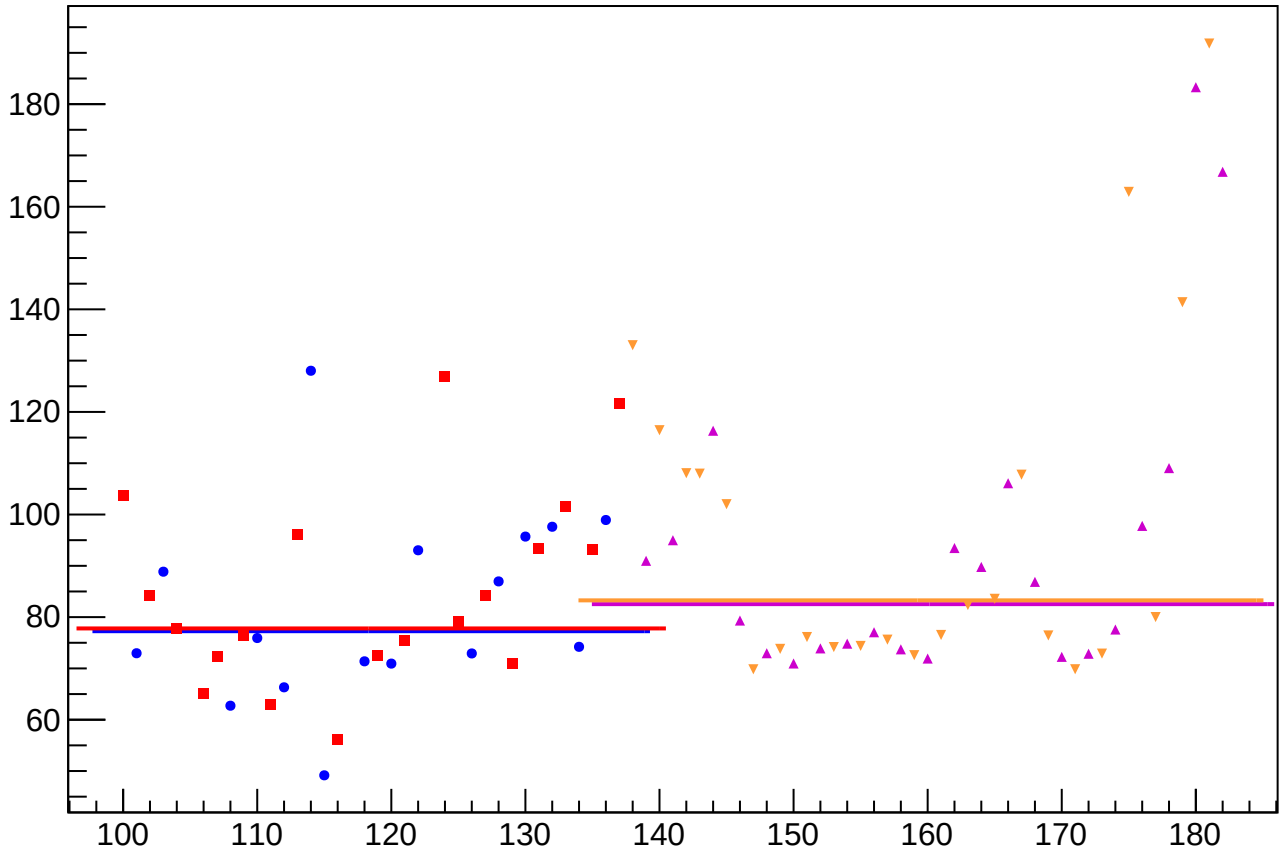
Left: -0.015+/-0.015 χ^2/NDF: 58.2/44

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.020+/-0.017 χ^2/NDF:49.6/37

Out: 0.003+/-0.017 χ^2/NDF:51.2/41

All: -0.009+/-0.012 χ^2/NDF: 101.7/79



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 83.268+/-0.015 χ^2/NDF:1916898.0/22

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 82.533+/-0.015 χ^2/NDF:1473712.1/21

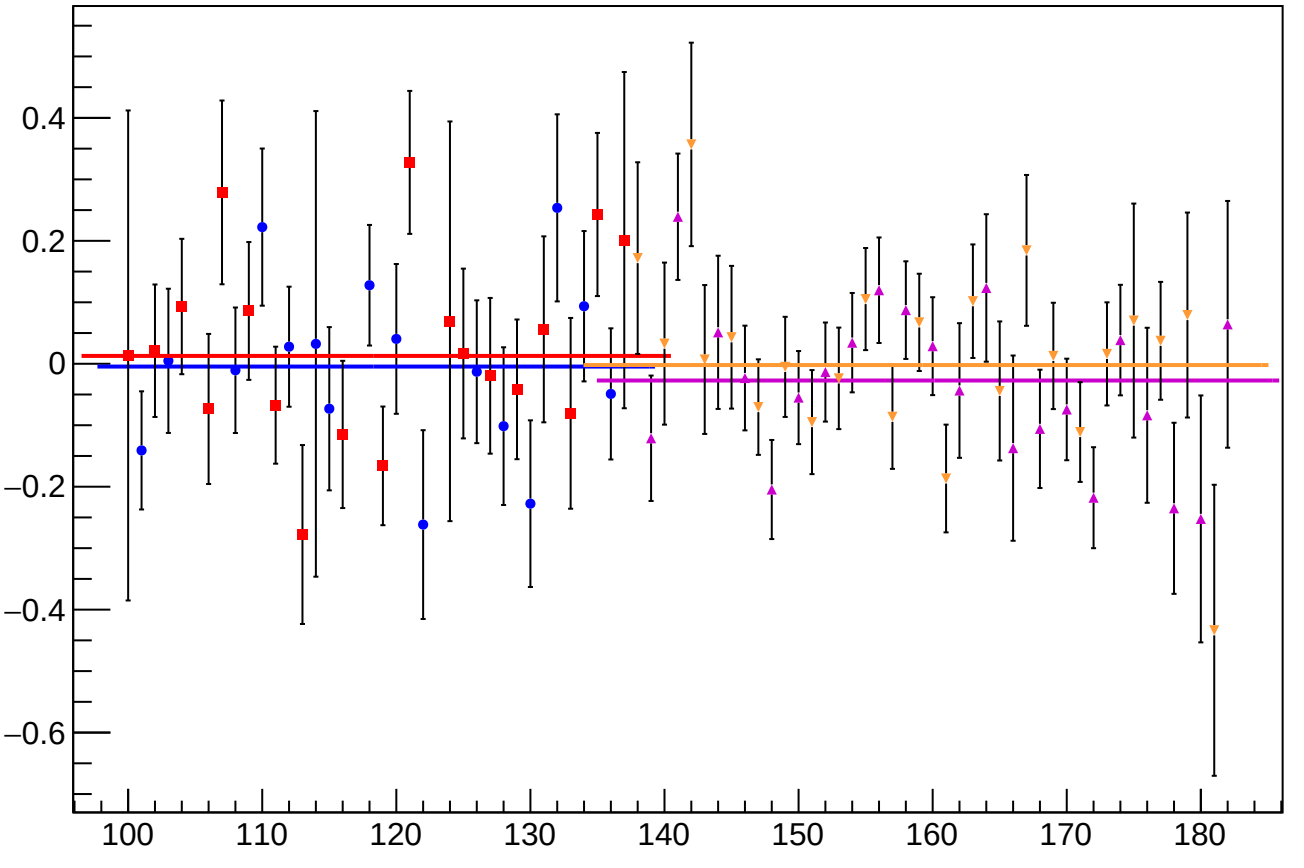
Left: 82.898+/-0.010 χ^2/NDF: 3391876.2/44

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

In: 80.845+/-0.012 χ^2/NDF:1934906.8/37

Out: 81.480+/-0.012 χ^2/NDF:2359033.2/41

All: 81.163+/-0.008 χ^2/NDF: 4295338.2/79



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:25.6/22

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.027+/-0.021 χ^2/NDF:31.9/21

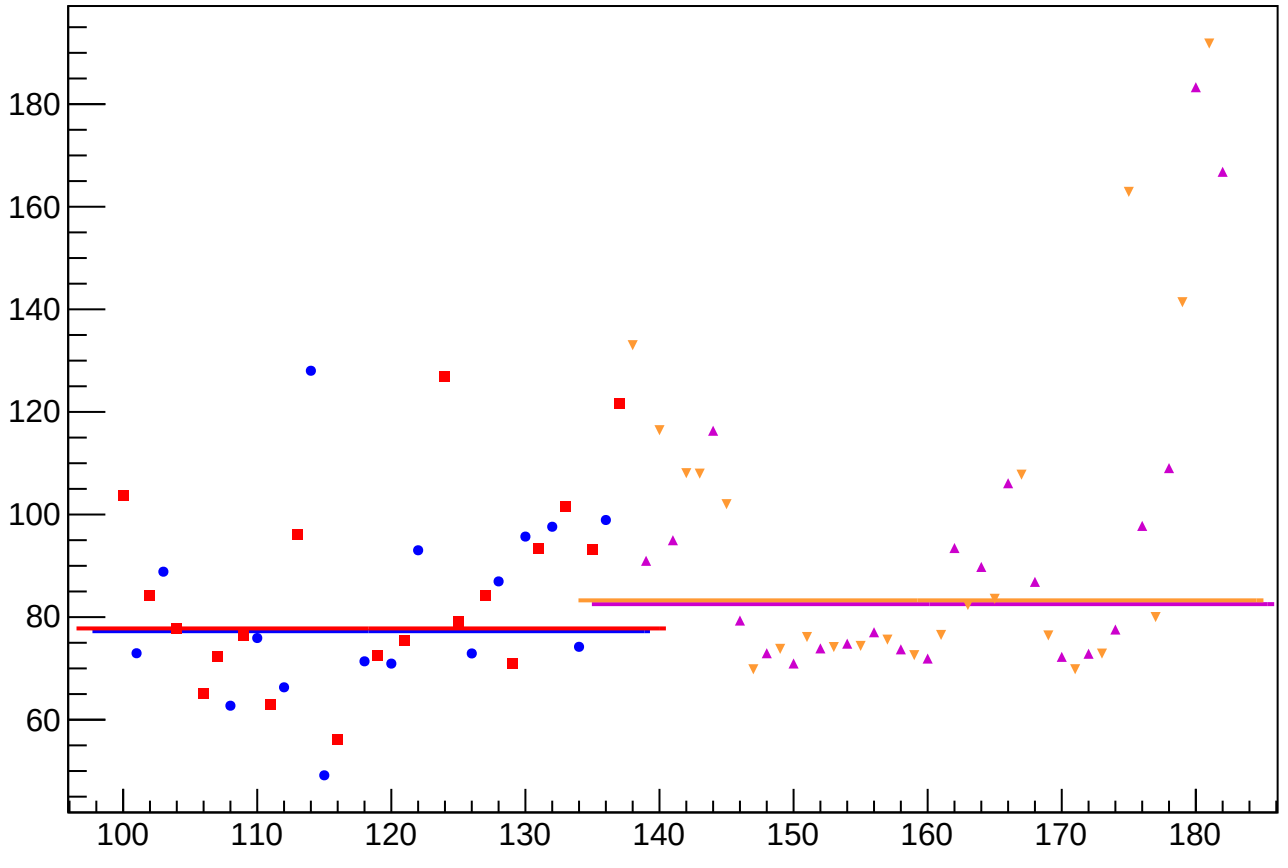
Left: -0.015+/-0.015 χ^2/NDF: 58.2/44

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.020+/-0.017 χ^2/NDF:49.6/37

Out: 0.003+/-0.017 χ^2/NDF:51.2/41

All: -0.009+/-0.012 χ^2/NDF: 101.7/79



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 83.268+/-0.015 χ^2/NDF:1916898.0/22

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 82.533+/-0.015 χ^2/NDF:1473712.1/21

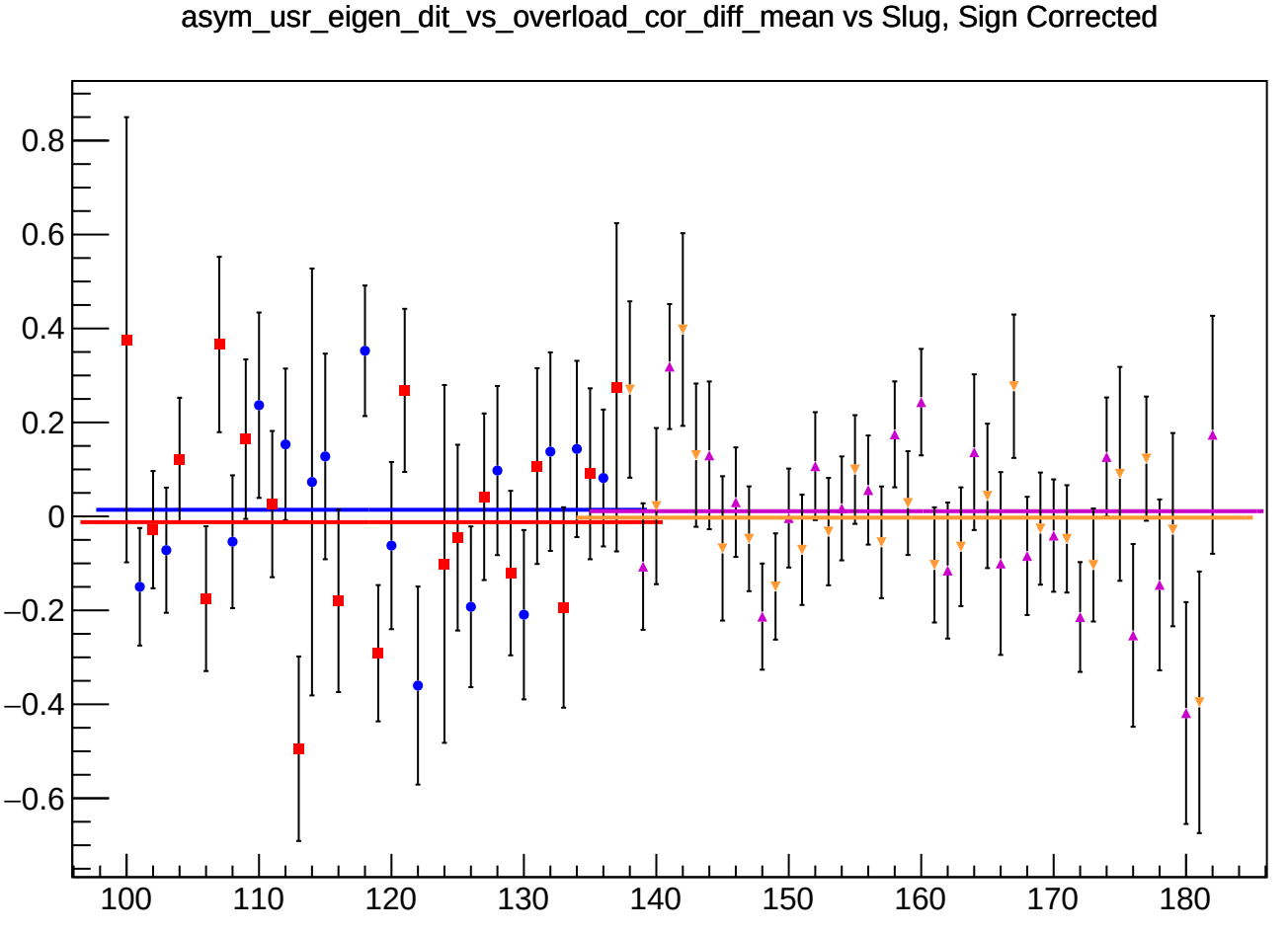
Left: 82.898+/-0.010 χ^2/NDF: 3391876.2/44

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

In: 80.845+/-0.012 χ^2/NDF:1934906.8/37

Out: 81.480+/-0.012 χ^2/NDF:2359033.2/41

All: 81.163+/-0.008 χ^2/NDF: 4295338.2/79



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.003+/-0.028 χ^2/NDF:18.5/22

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.011+/-0.028 χ^2/NDF:31.1/21

Left: 0.004+/-0.020 χ^2/NDF: 49.8/44

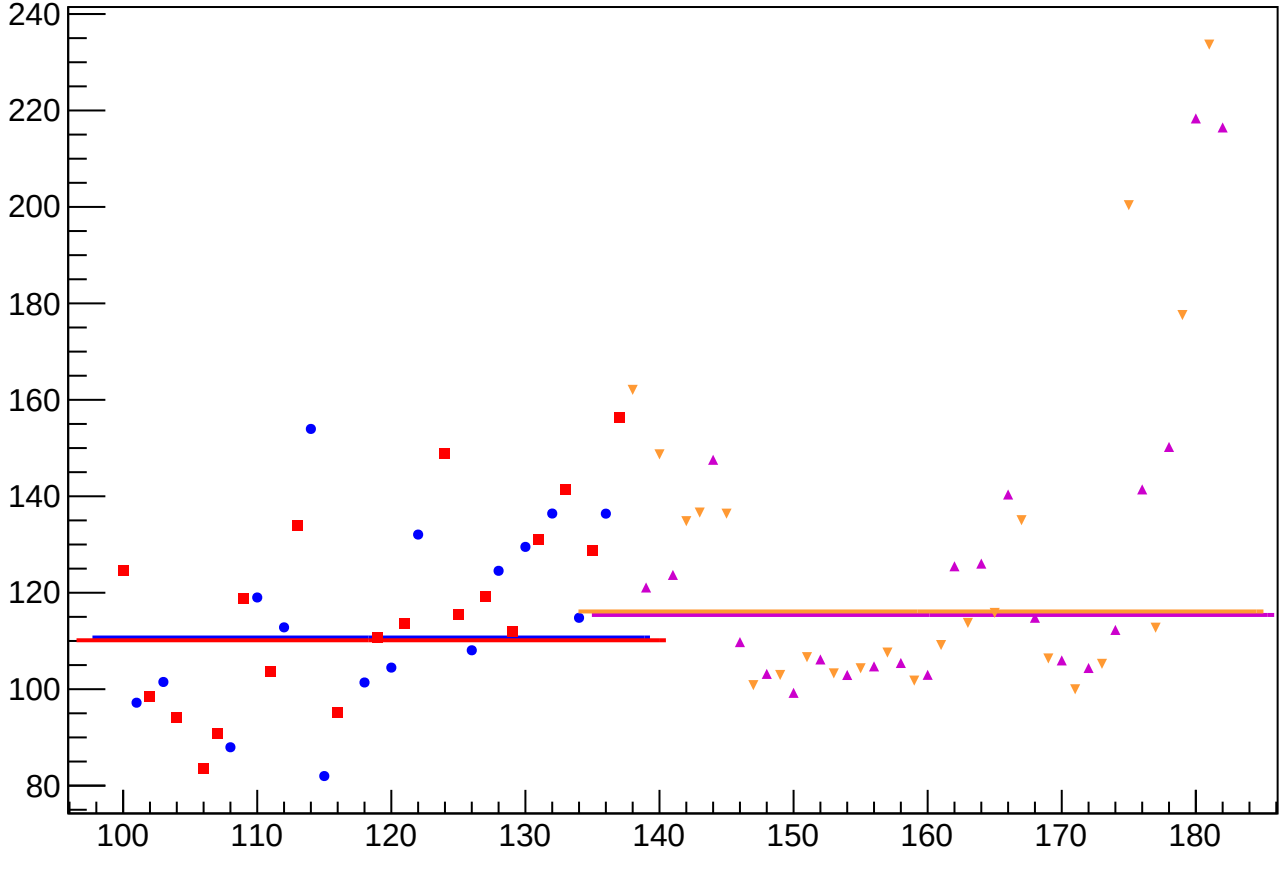
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.012+/-0.023 χ^2/NDF:49.3/37

Out: -0.006+/-0.023 χ^2/NDF:42.3/41

All: 0.003+/-0.017 χ^2/NDF: 91.9/79

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 116.117+/-0.020 χ^2/NDF:1369485.1/22

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 115.396+/-0.020 χ^2/NDF:1155128.0/21

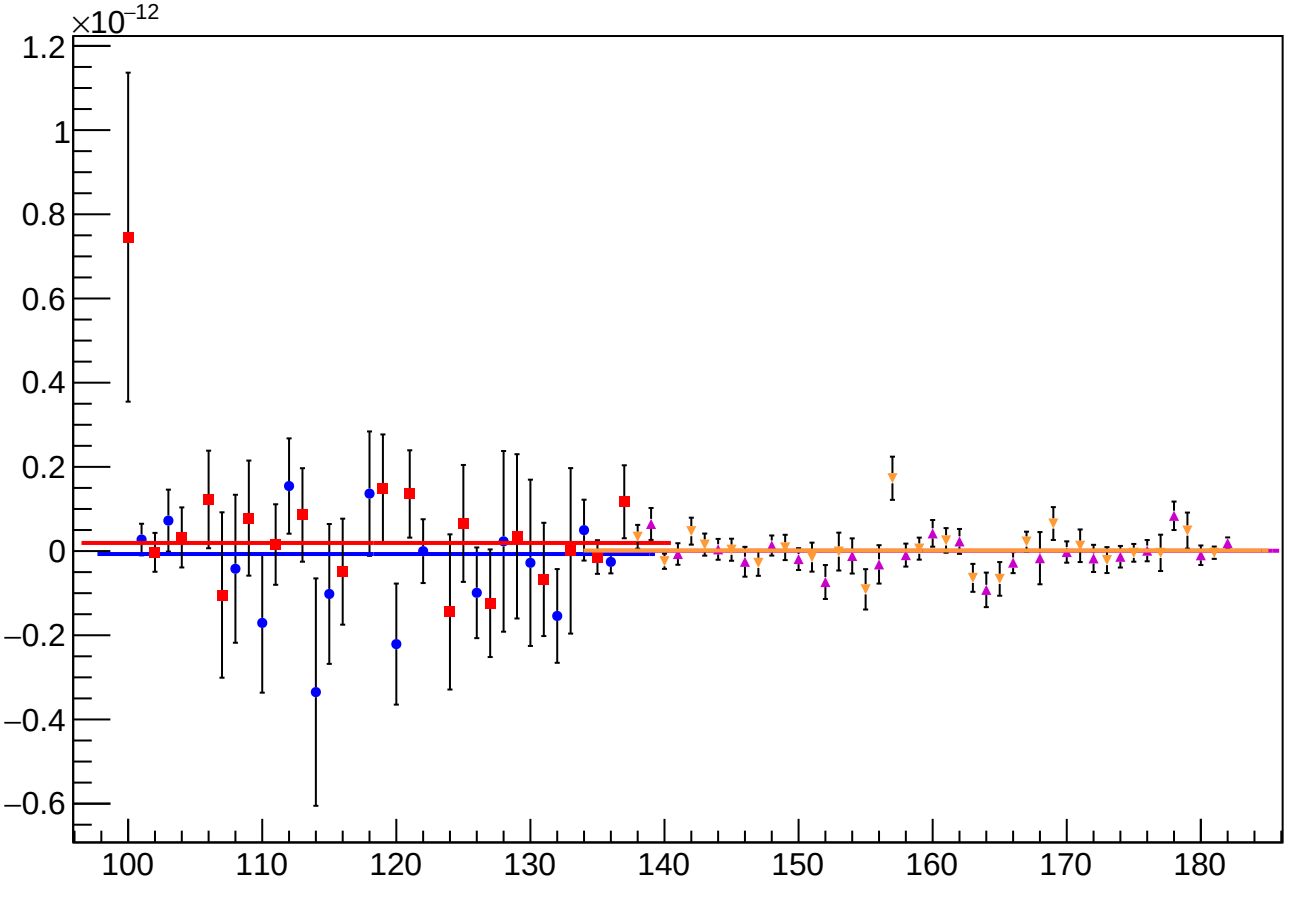
Left: 115.756+/-0.014 χ^2/NDF: 2525265.3/44

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

In: 113.949+/-0.017 χ^2/NDF:1472033.3/37

Out: 114.213+/-0.016 χ^2/NDF:1724666.5/41

All: 114.082+/-0.012 χ^2/NDF: 3196827.1/79



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

Left Out: 0.000+/-0.000 χ^2/NDF:34.7/22

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

Left In: 0.000+/-0.000 χ^2/NDF:25.9/21

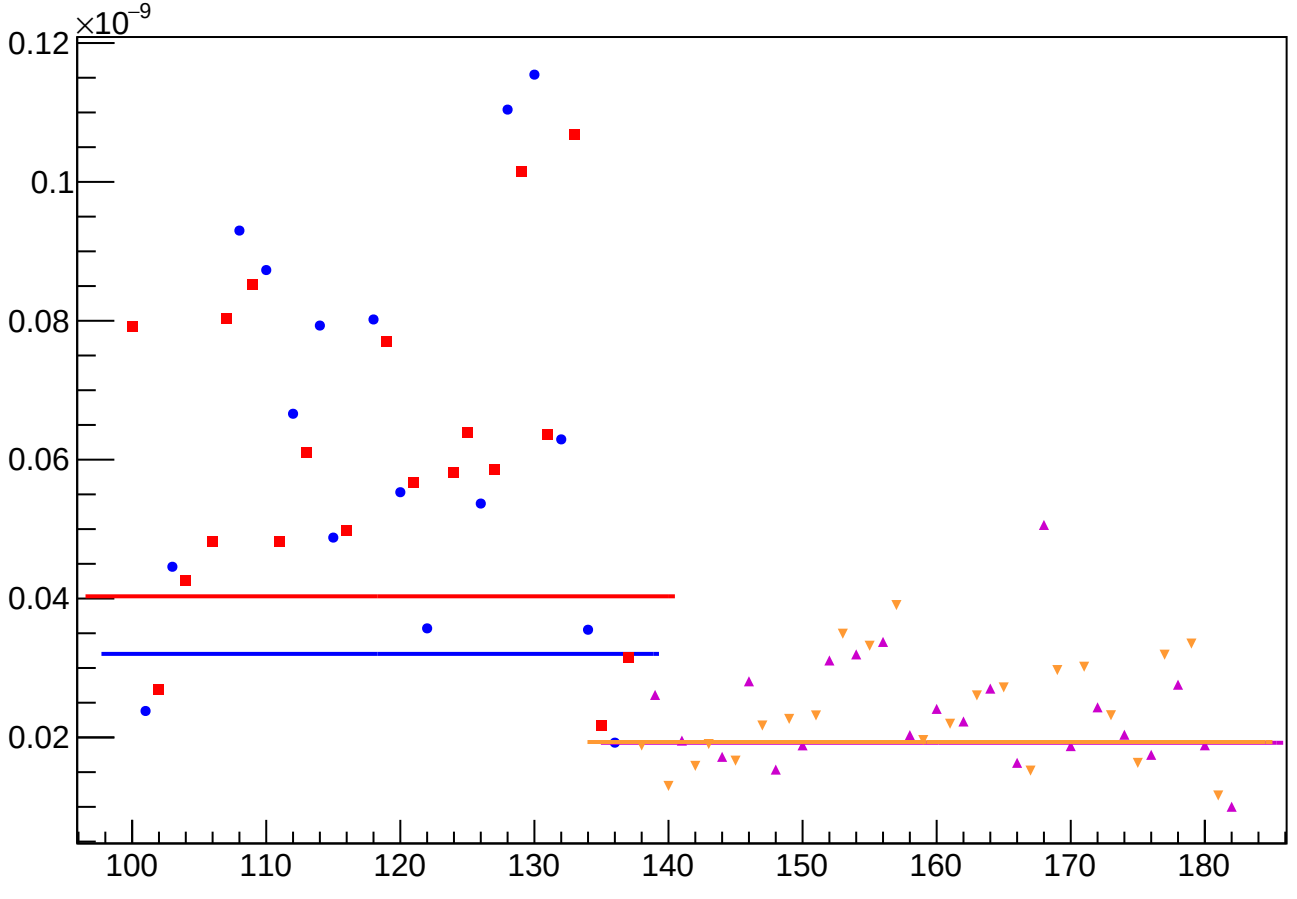
Left: 0.000+/-0.000 χ^2/NDF: 60.6/44

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:39.7/37

Out: 0.000+/-0.000 χ^2/NDF:48.0/41

All: 0.000+/-0.000 χ^2/NDF: 87.8/79



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2601615.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2631492.6/21

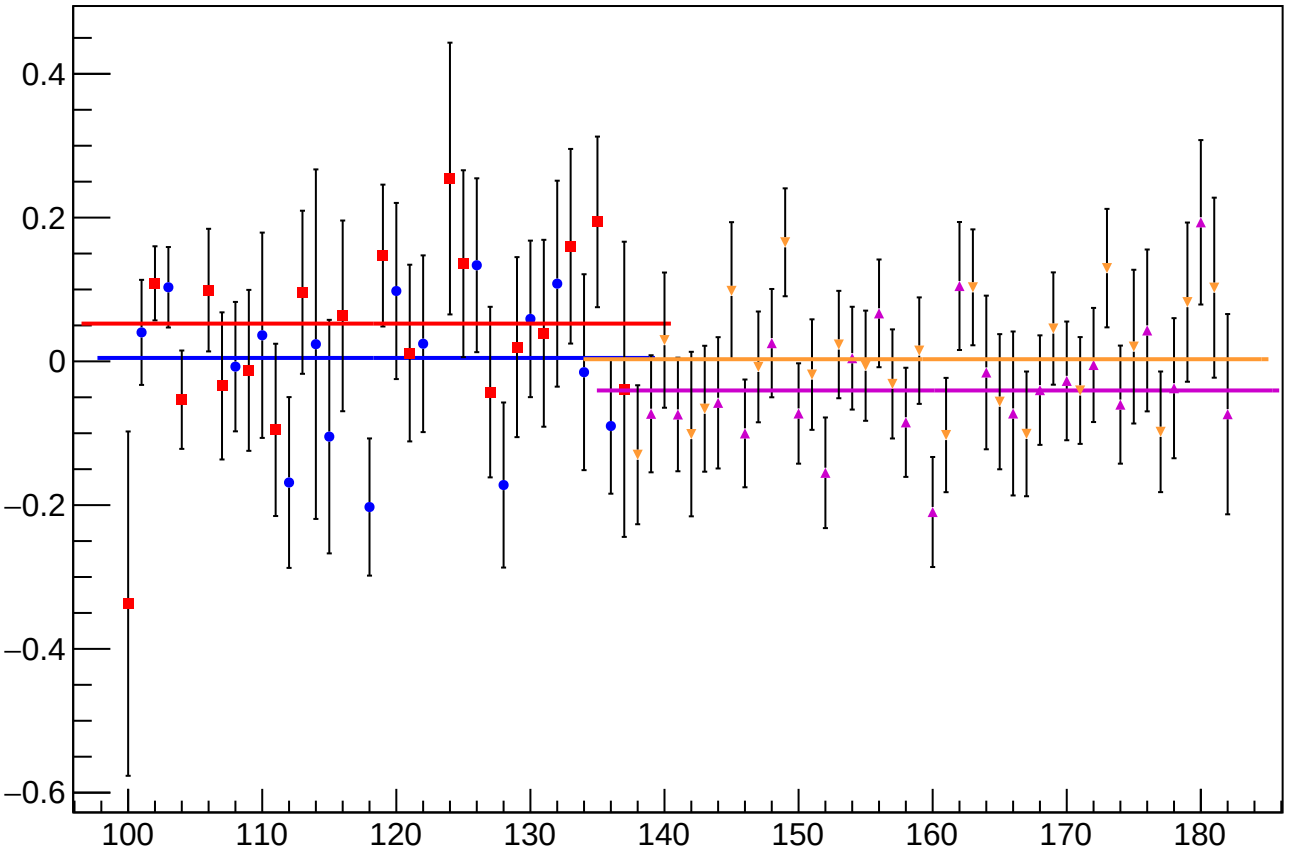
Left: 0.000+/-0.000 χ^2/NDF: 5233460.0/44

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

In: 0.000+/-0.000 χ^2/NDF:6013788.0/37

Out: 0.000+/-0.000 χ^2/NDF:6299821.2/41

All: 0.000+/-0.000 χ^2/NDF: 12318609.2/79



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.003+/-0.018 χ^2/NDF:20.3/22

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.040+/-0.018 χ^2/NDF:19.7/21

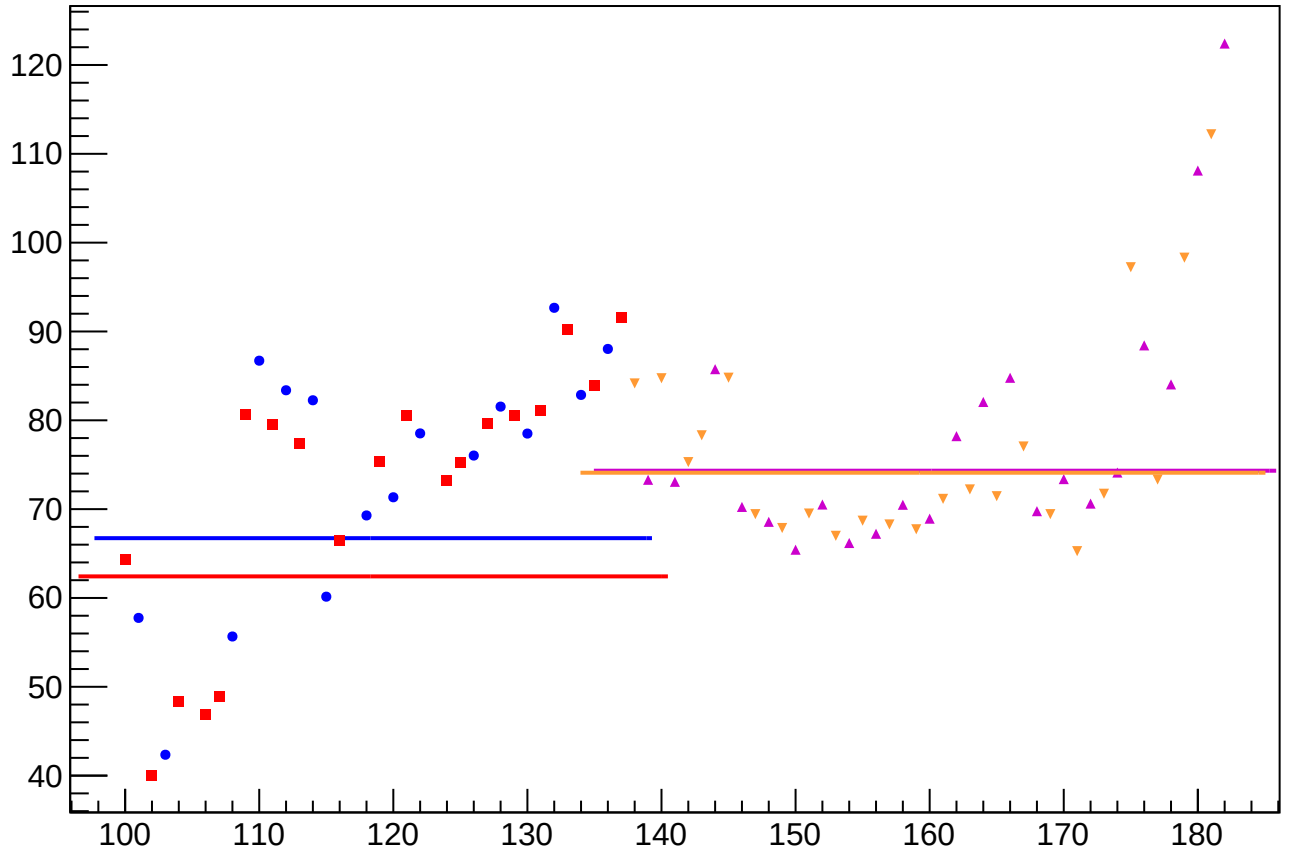
Left: -0.018+/-0.013 χ^2/NDF: 43.0/44

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.026+/-0.015 χ^2/NDF:38.4/37

Out: 0.020+/-0.014 χ^2/NDF:37.8/41

All: -0.002+/-0.010 χ^2/NDF: 81.3/79



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 74.100+/-0.013 χ^2/NDF:579109.3/22

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 74.326+/-0.013 χ^2/NDF:652986.8/21

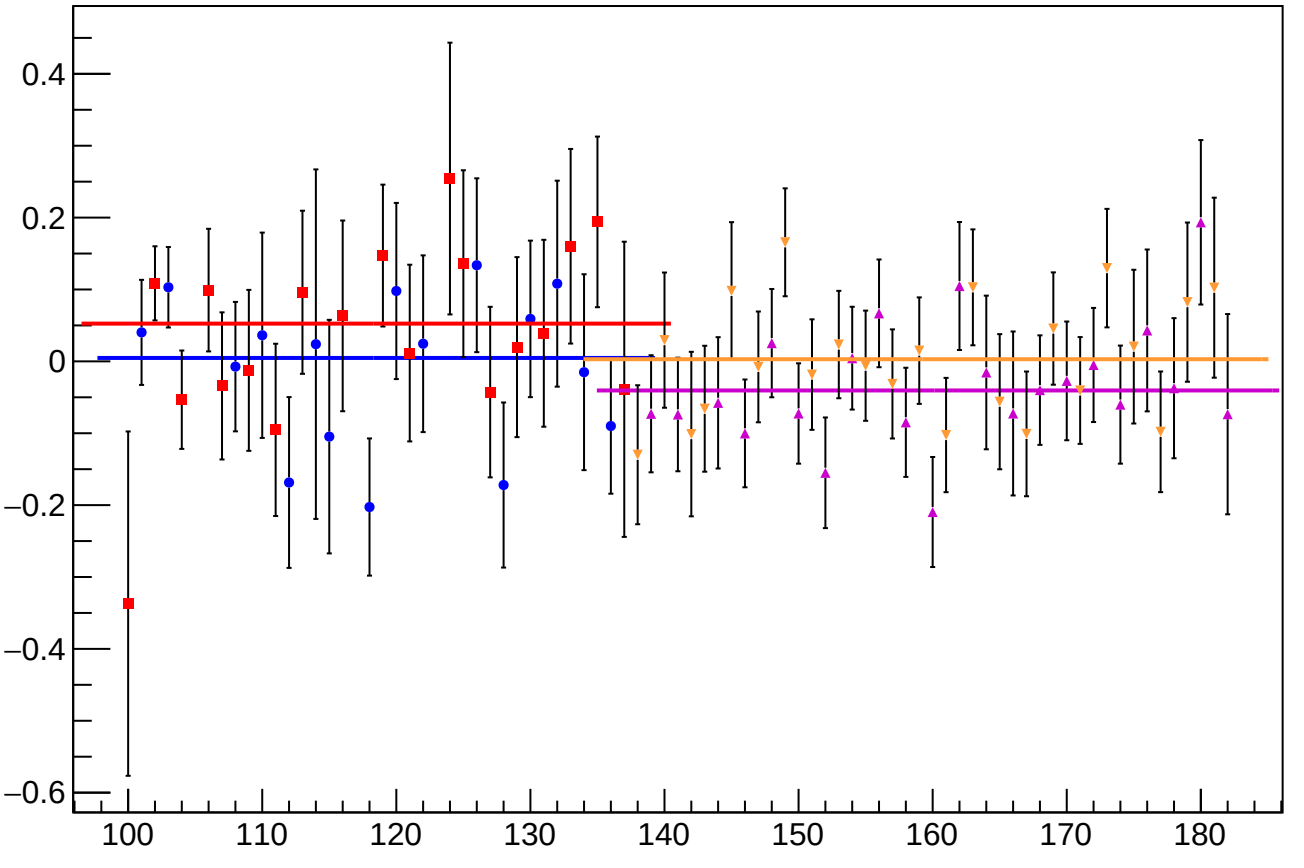
Left: 74.211+/-0.009 χ^2/NDF: 1232256.5/44

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

In: 71.863+/-0.010 χ^2/NDF:1585898.4/37

Out: 69.999+/-0.010 χ^2/NDF:1997715.6/41

All: 70.901+/-0.007 χ^2/NDF: 3600091.8/79



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.003+/-0.018 χ^2/NDF:20.3/22

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.040+/-0.018 χ^2/NDF:19.7/21

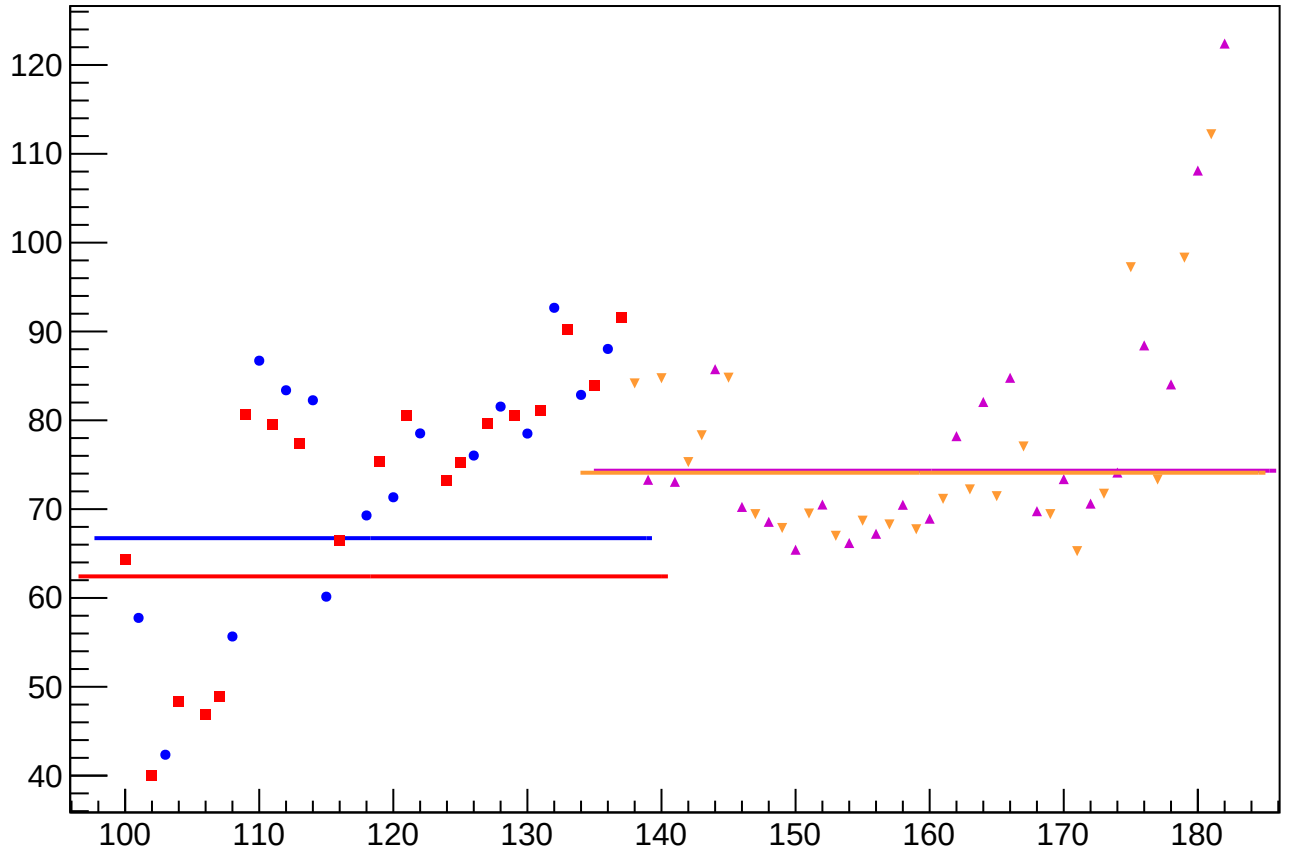
Left: -0.018+/-0.013 χ^2/NDF: 43.0/44

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.026+/-0.015 χ^2/NDF:38.4/37

Out: 0.020+/-0.014 χ^2/NDF:37.8/41

All: -0.002+/-0.010 χ^2/NDF: 81.3/79



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 74.100+/-0.013 χ^2/NDF:579109.3/22

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 74.326+/-0.013 χ^2/NDF:652986.8/21

Left: 74.211+/-0.009 χ^2/NDF: 1232256.5/44

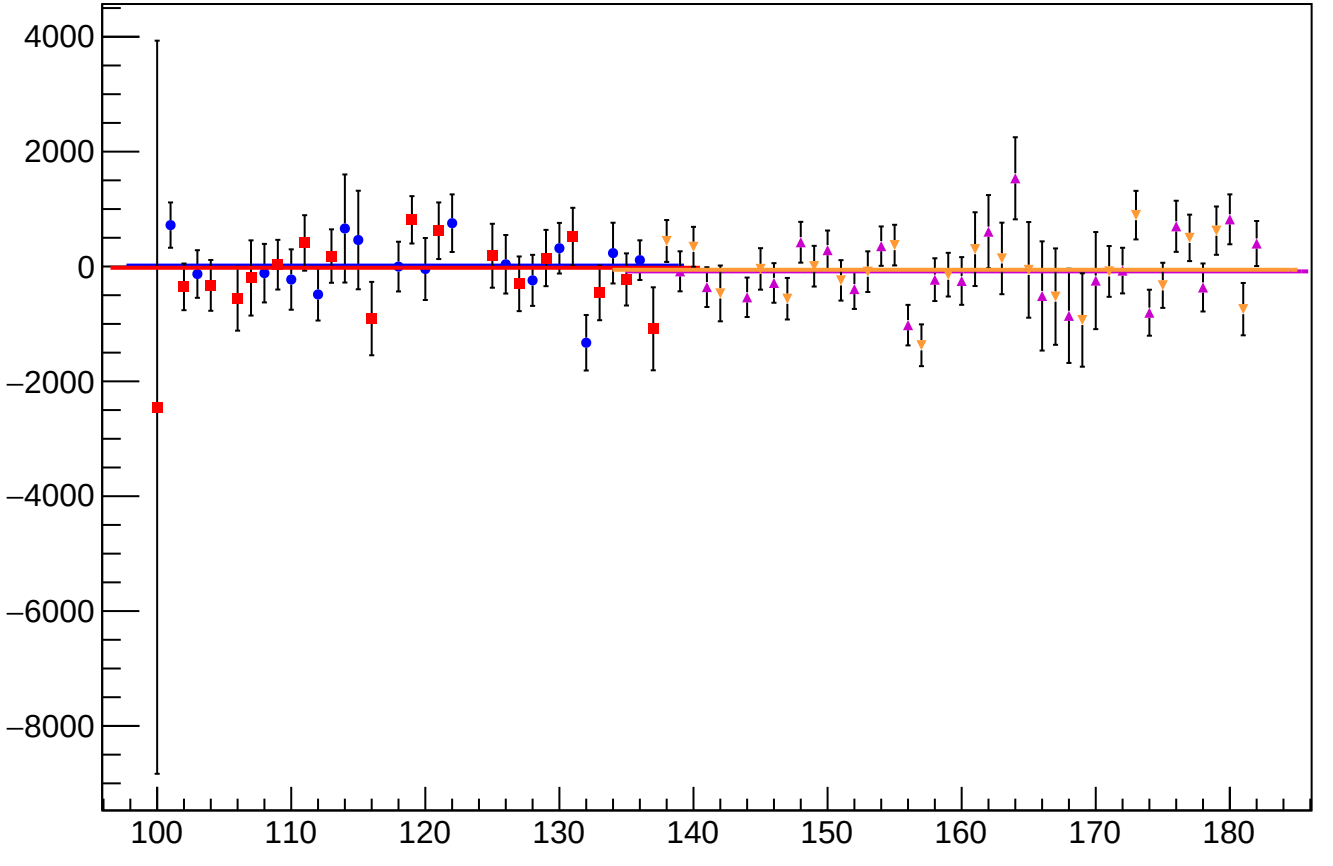
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 71.863+/-0.010 χ^2/NDF:1585898.4/37

Out: 69.999+/-0.010 χ^2/NDF:1997715.6/41

All: 70.901+/-0.007 χ^2/NDF: 3600091.8/79

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -57.046+/-89.478 χ^2/NDF:34.9/21

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -85.328+/-87.238 χ^2/NDF:35.8/21

Left: -71.545+/-62.464 χ^2/NDF: 70.8/43

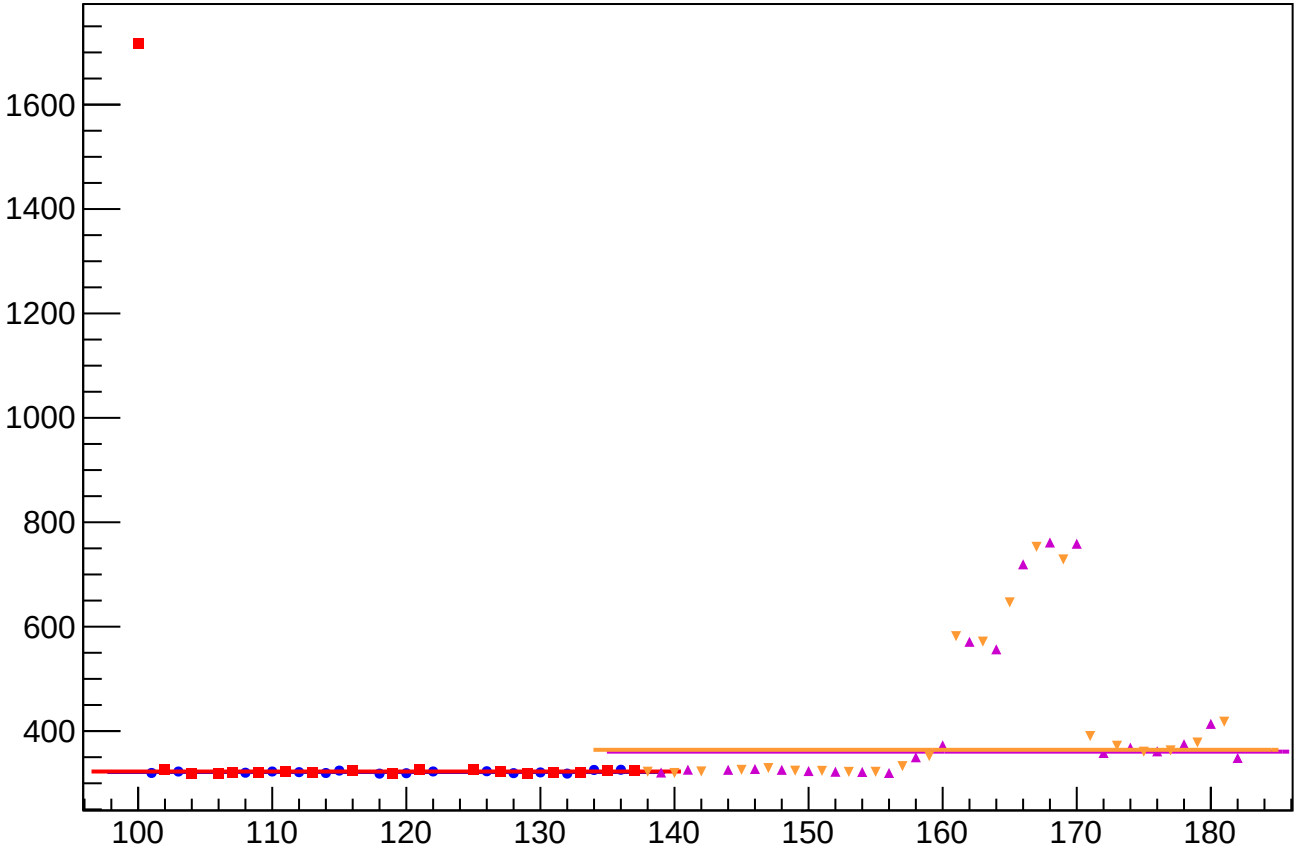
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -50.242+/-70.446 χ^2/NDF:52.8/37

Out: -44.469+/-71.562 χ^2/NDF:51.0/39

All: -47.401+/-50.203 χ^2/NDF: 103.8/77

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 364.127+/-0.063 χ^2/NDF:1791013.8/21

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 360.637+/-0.062 χ^2/NDF:1817650.4/21

Left: 362.338+/-0.044 χ^2/NDF: 3610223.5/43

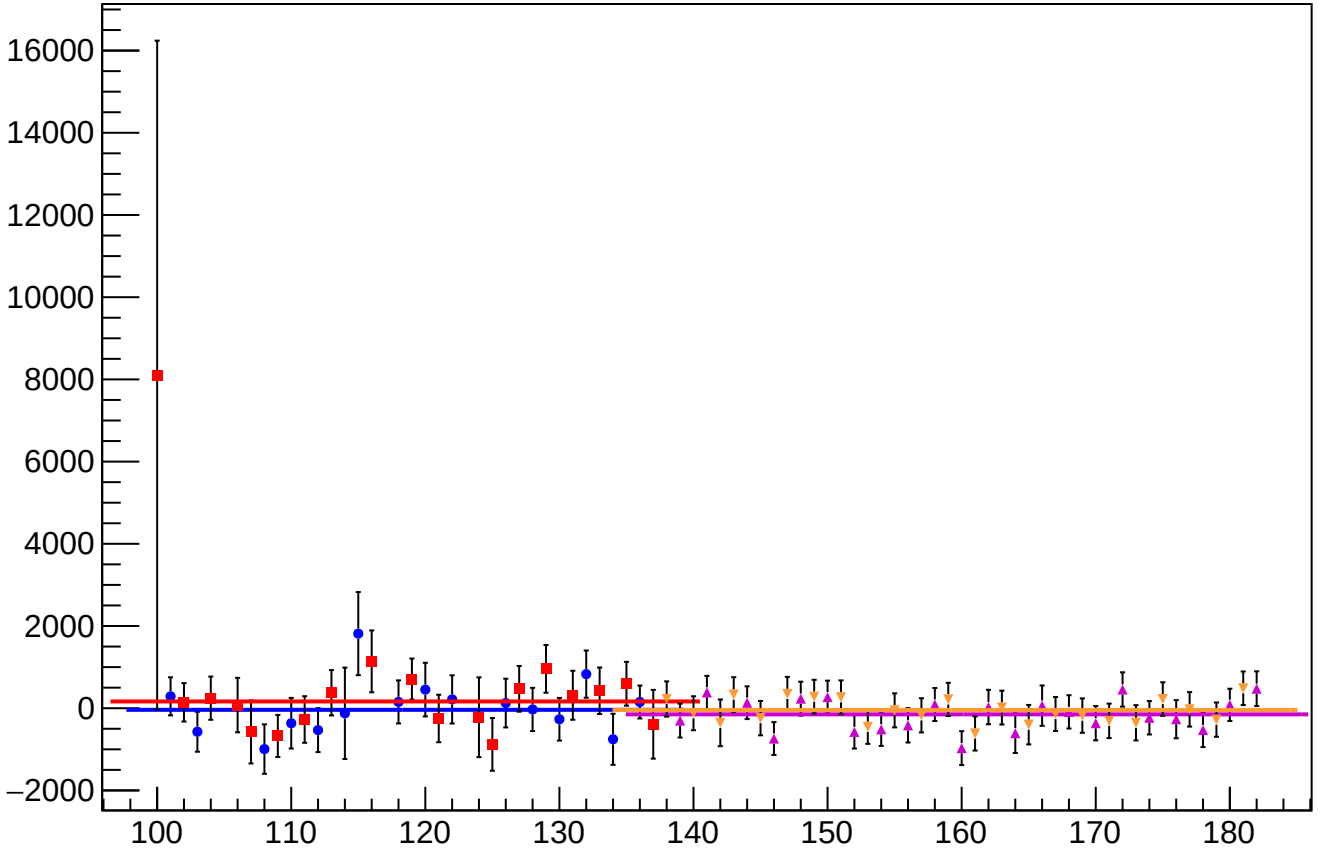
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 347.057+/-0.050 χ^2/NDF:1957777.9/37

Out: 349.145+/-0.051 χ^2/NDF:2043491.3/39

All: 348.084+/-0.035 χ^2/NDF: 4002134.2/77

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -44.309+/-88.034 χ^2/NDF:11.3/22

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -149.313+/-88.714 χ^2/NDF:20.3/21

Left: -96.407+/-62.489 χ^2/NDF: 32.3/44

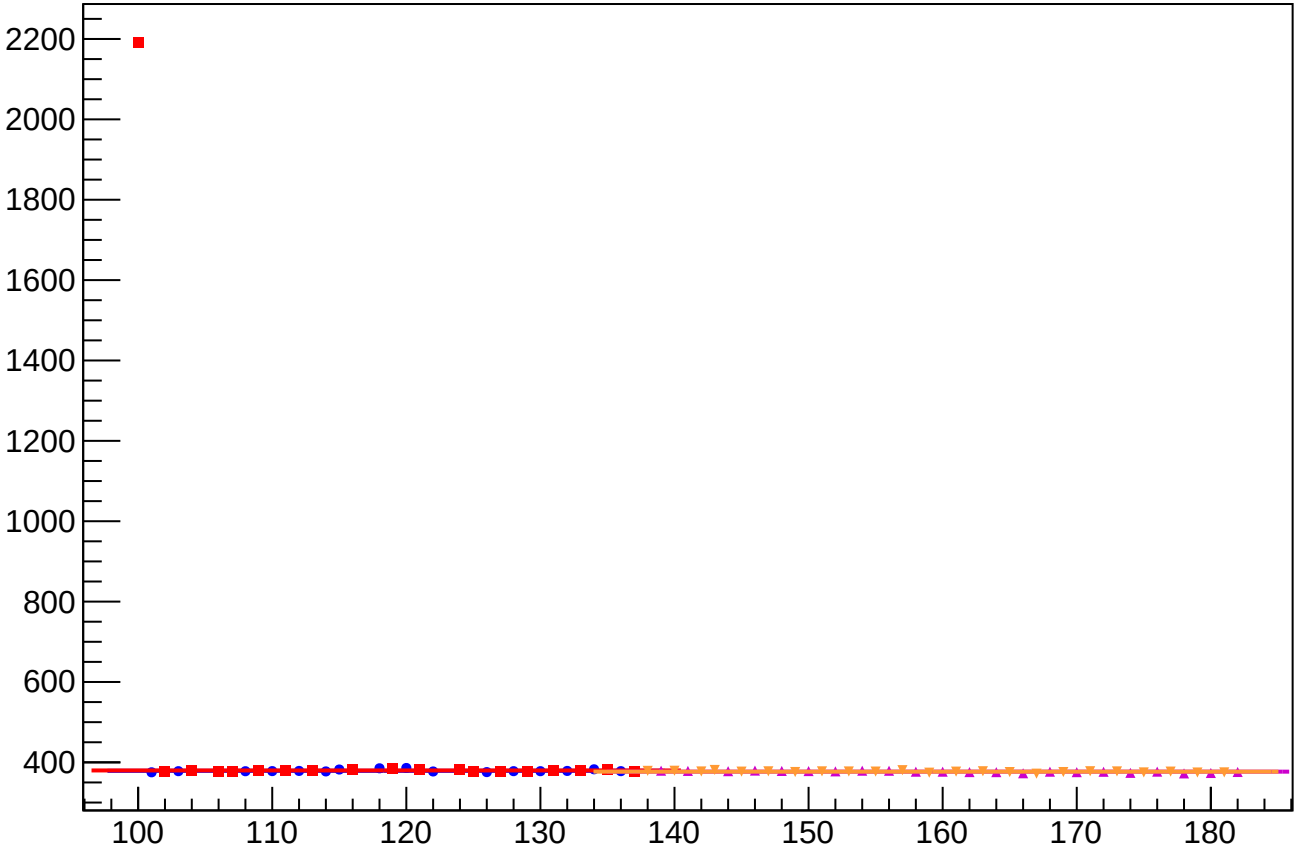
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -117.915+/-75.046 χ^2/NDF:34.5/37

Out: 15.532+/-74.367 χ^2/NDF:28.0/41

All: -50.585+/-52.824 χ^2/NDF: 64.0/79

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 376.903+/-0.062 χ^2/NDF:1044.5/22

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 376.846+/-0.063 χ^2/NDF:1074.1/21

Left: 376.875+/-0.044 χ^2/NDF: 2119.0/44

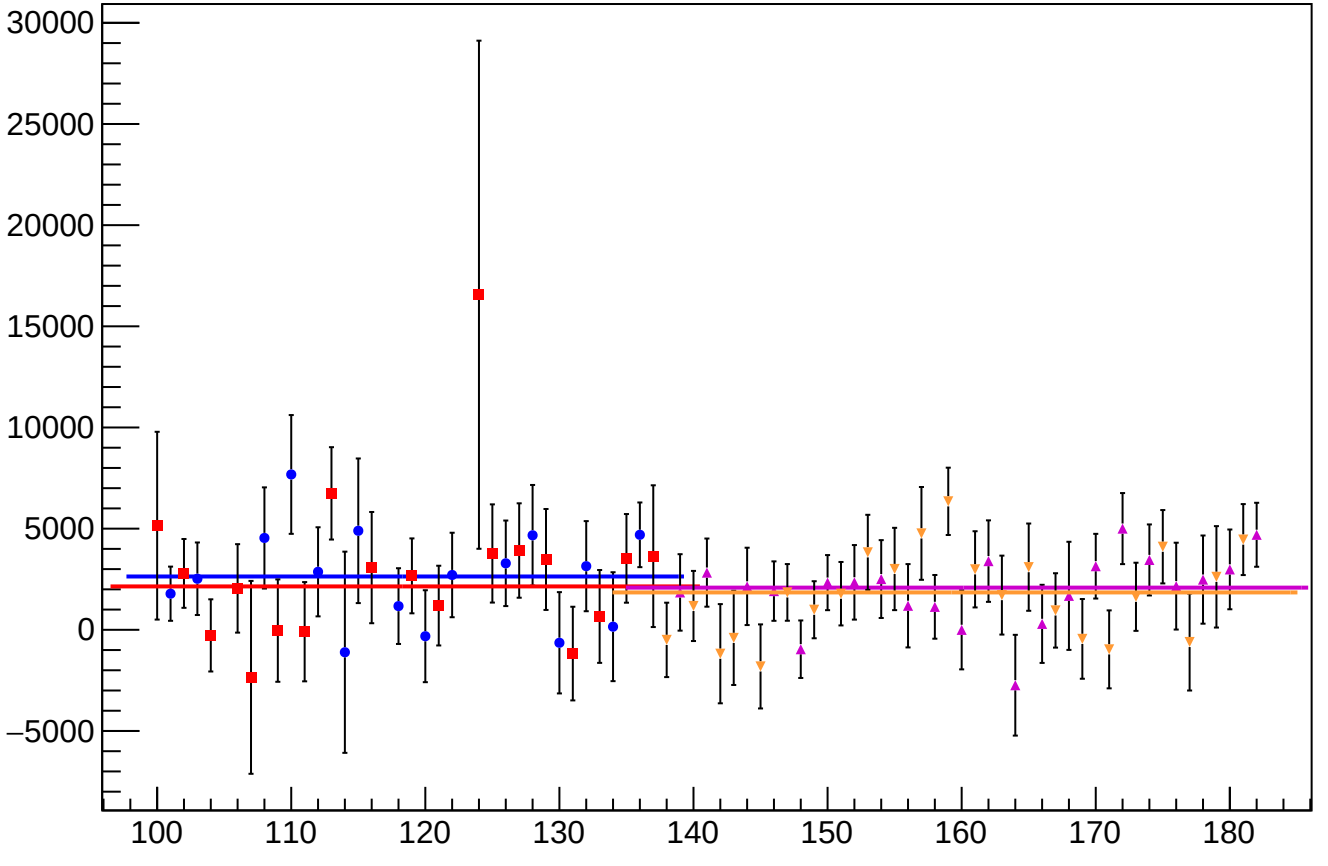
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 377.433+/-0.053 χ^2/NDF:2233.1/37

Out: 377.755+/-0.053 χ^2/NDF:101319.9/41

All: 377.596+/-0.037 χ^2/NDF: 103571.5/79

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1847.359+/-388.879 χ^2/NDF:27.5/22

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 2084.600+/-383.162 χ^2/NDF:18.4/21

Left: 1967.737+/-272.935 χ^2/NDF: 46.1/44

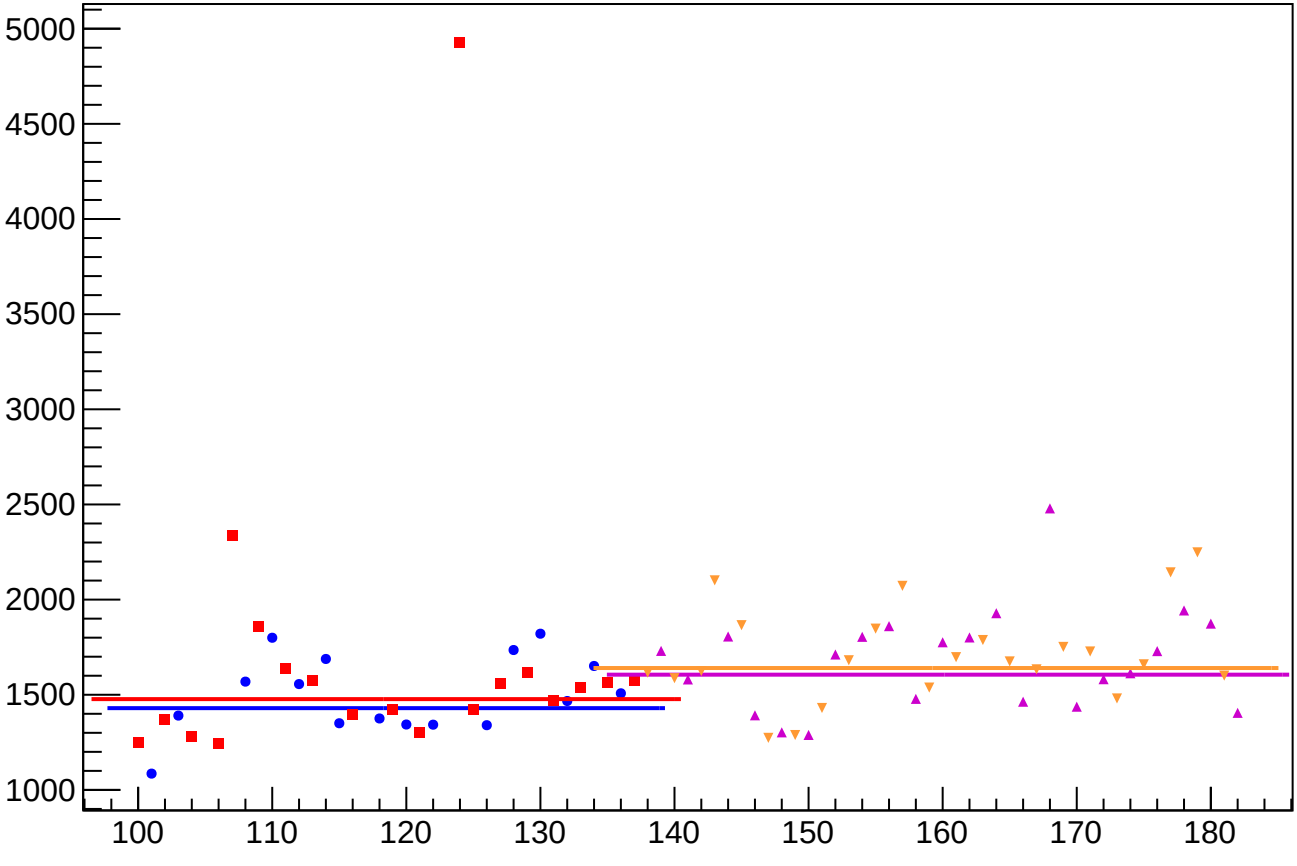
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2269.944+/-312.107 χ^2/NDF:31.4/37

Out: 1947.152+/-316.939 χ^2/NDF:42.7/41

All: 2111.027+/-222.381 χ^2/NDF: 74.6/79

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1640.489+/-0.275 χ^2/NDF:751262.6/22

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1605.577+/-0.271 χ^2/NDF:783094.0/21

Left: 1622.774+/-0.193 χ^2/NDF: 1542535.4/44

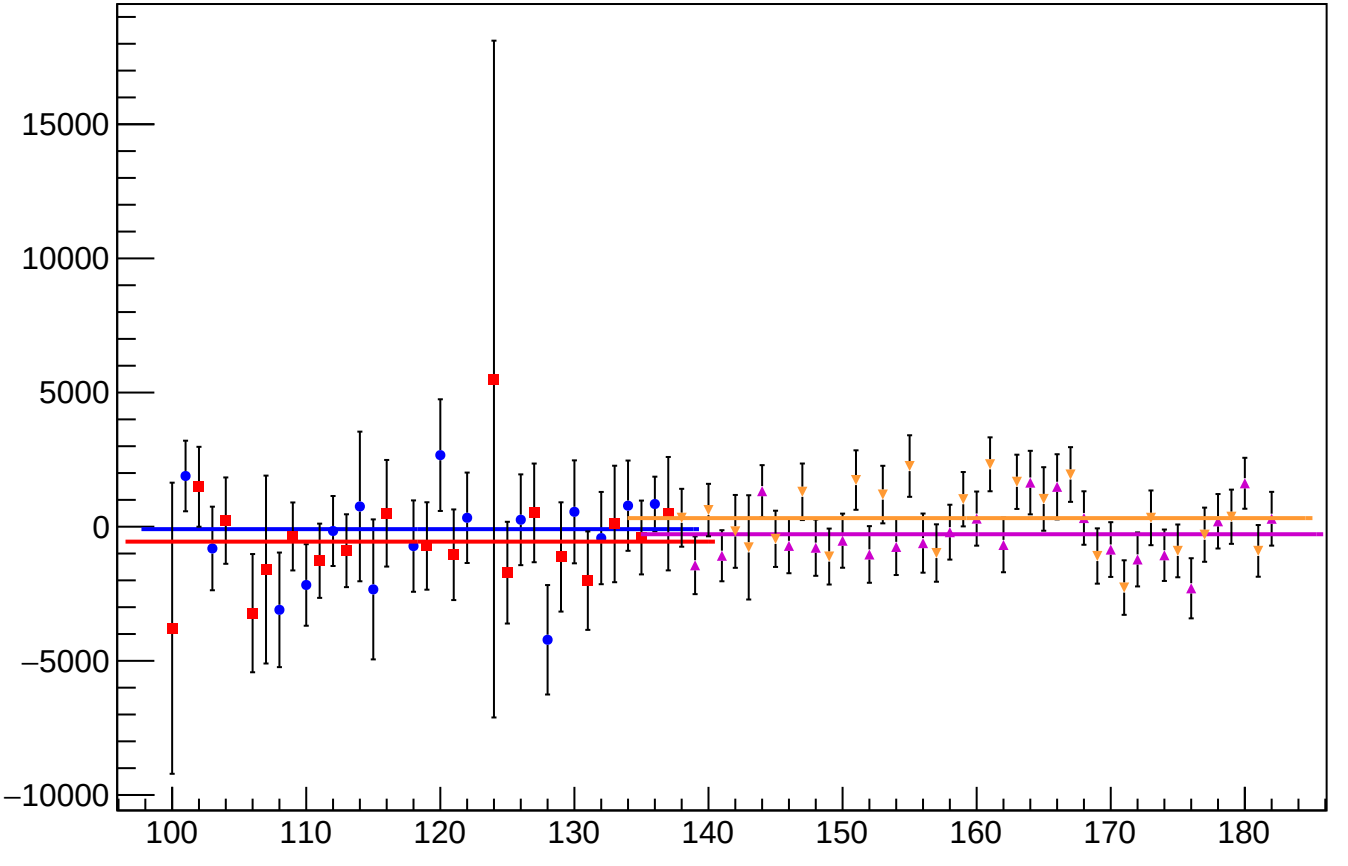
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1546.379+/-0.221 χ^2/NDF:1218354.8/37

Out: 1585.637+/-0.224 χ^2/NDF:1239199.7/41

All: 1565.706+/-0.157 χ^2/NDF: 2473133.3/79

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 319.652+/-221.843 χ^2/NDF:31.5/22

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -280.941+/-219.660 χ^2/NDF:21.1/21

Left: 16.386+/-156.089 χ^2/NDF: 56.4/44

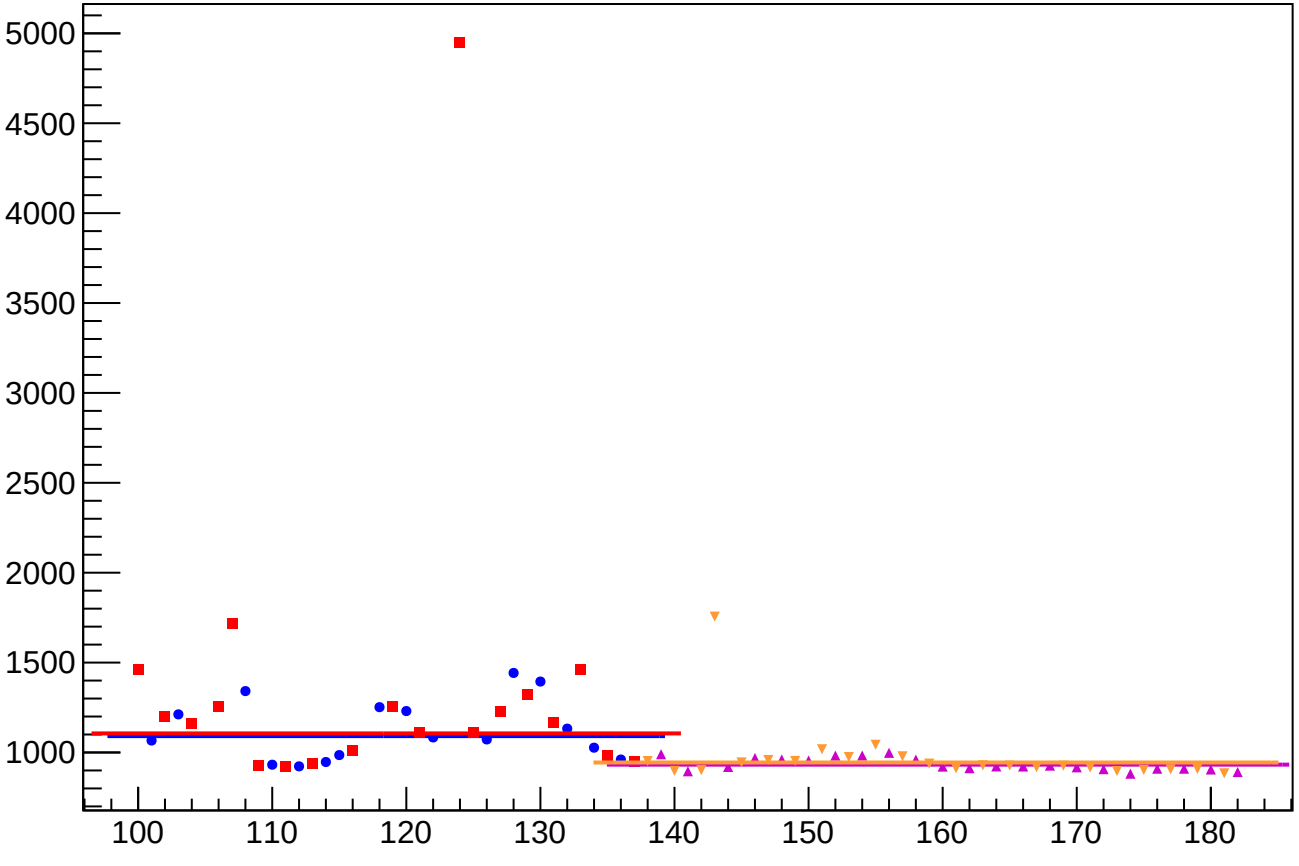
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -238.641+/-193.618 χ^2/NDF:35.8/37

Out: 122.160+/-195.257 χ^2/NDF:41.8/41

All: -59.761+/-137.485 χ^2/NDF: 79.4/79

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 944.287+/-0.157 χ^2/NDF:410575.3/22

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 932.362+/-0.155 χ^2/NDF:47433.2/21

Left: 938.266+/-0.110 χ^2/NDF: 460926.5/44

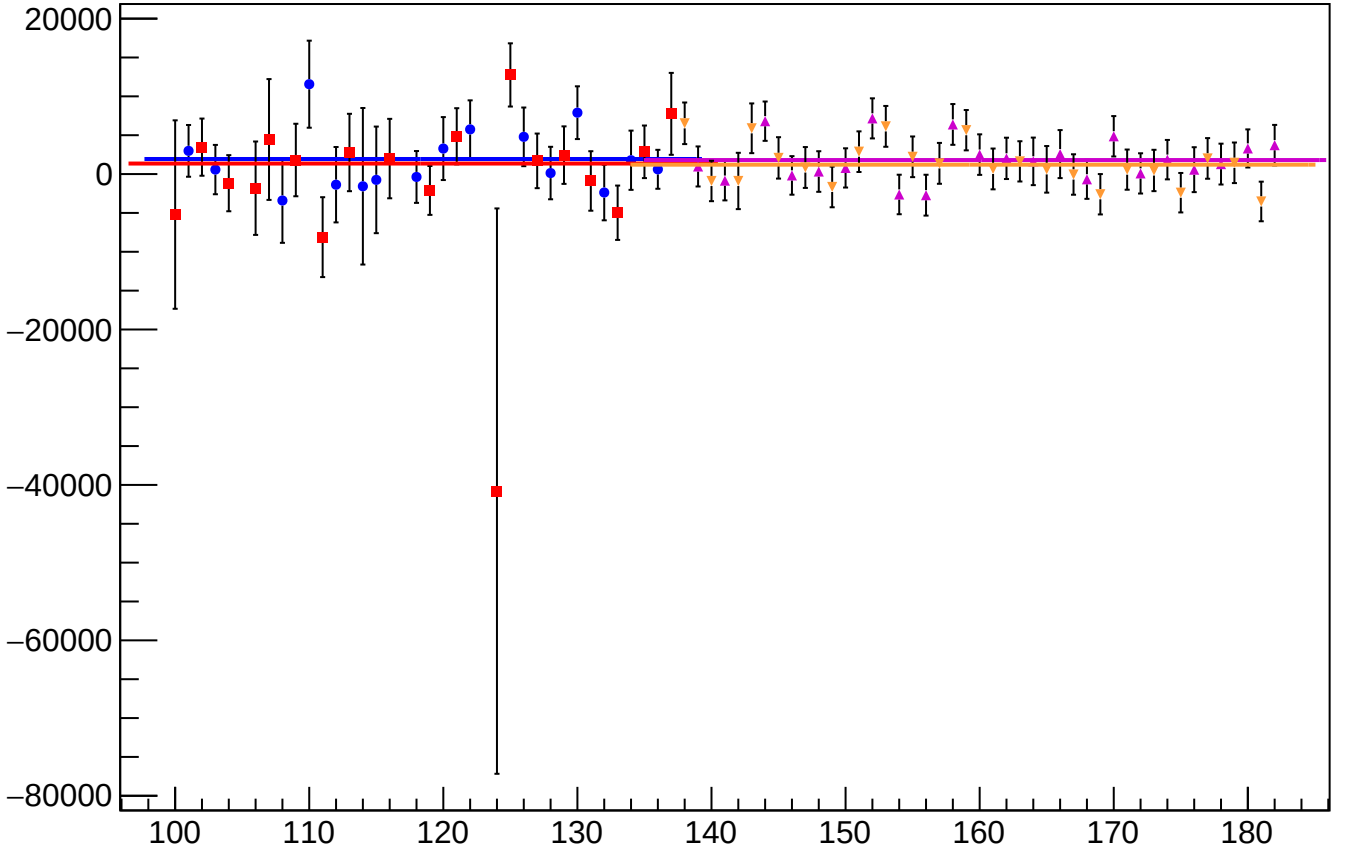
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 967.757+/-0.137 χ^2/NDF:557536.5/37

Out: 980.735+/-0.138 χ^2/NDF:1164266.1/41

All: 974.191+/-0.097 χ^2/NDF: 1726257.6/79

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1209.238+/-557.457 χ^2/NDF:23.6/22

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1803.821+/-558.007 χ^2/NDF:23.7/21

Left: 1506.237+/-394.376 χ^2/NDF: 47.9/44

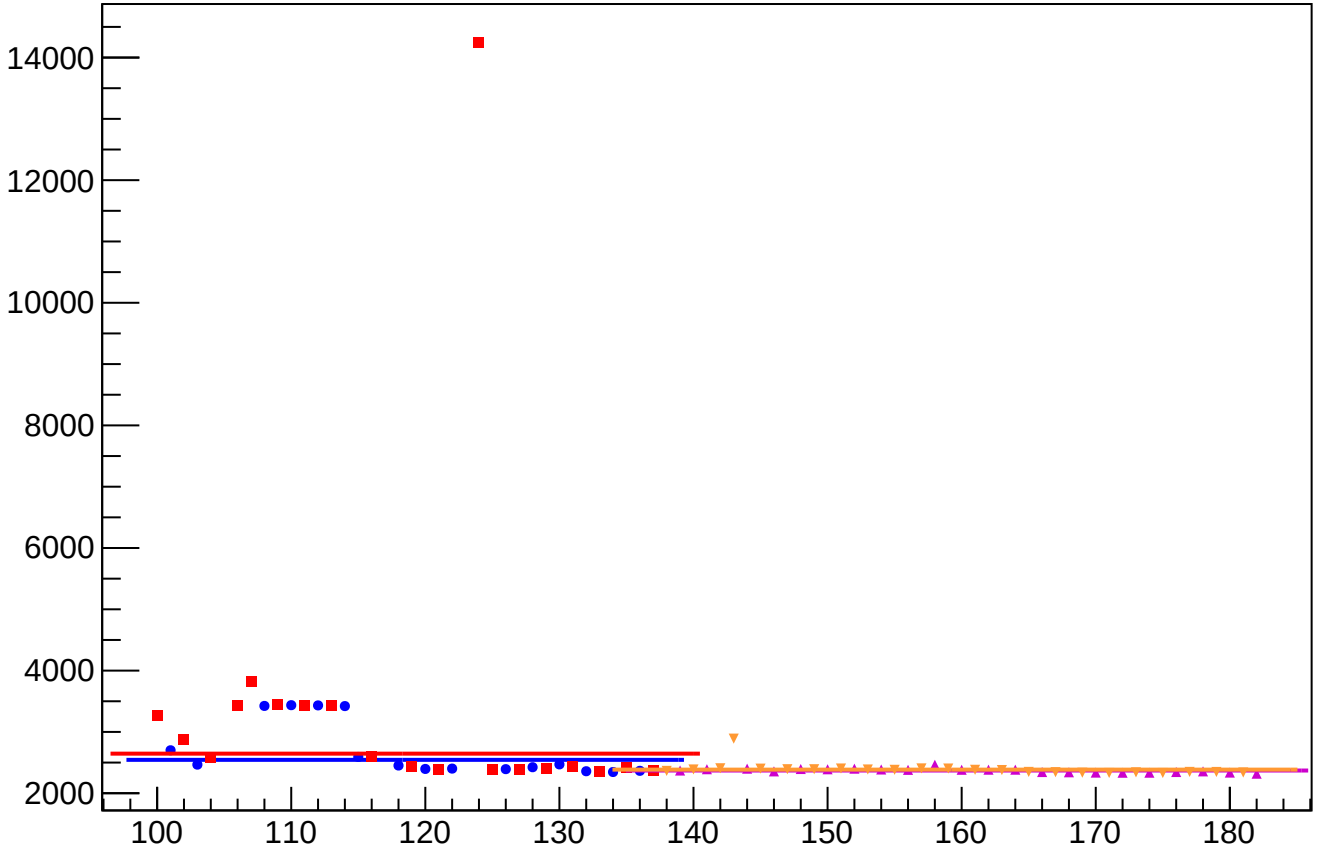
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1838.527+/-481.474 χ^2/NDF:35.9/37

Out: 1244.211+/-485.164 χ^2/NDF:45.4/41

All: 1543.637+/-341.751 χ^2/NDF: 82.1/79

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2385.044+/-0.394 χ^2/NDF:55981.8/22

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2370.273+/-0.395 χ^2/NDF:6735.1/21

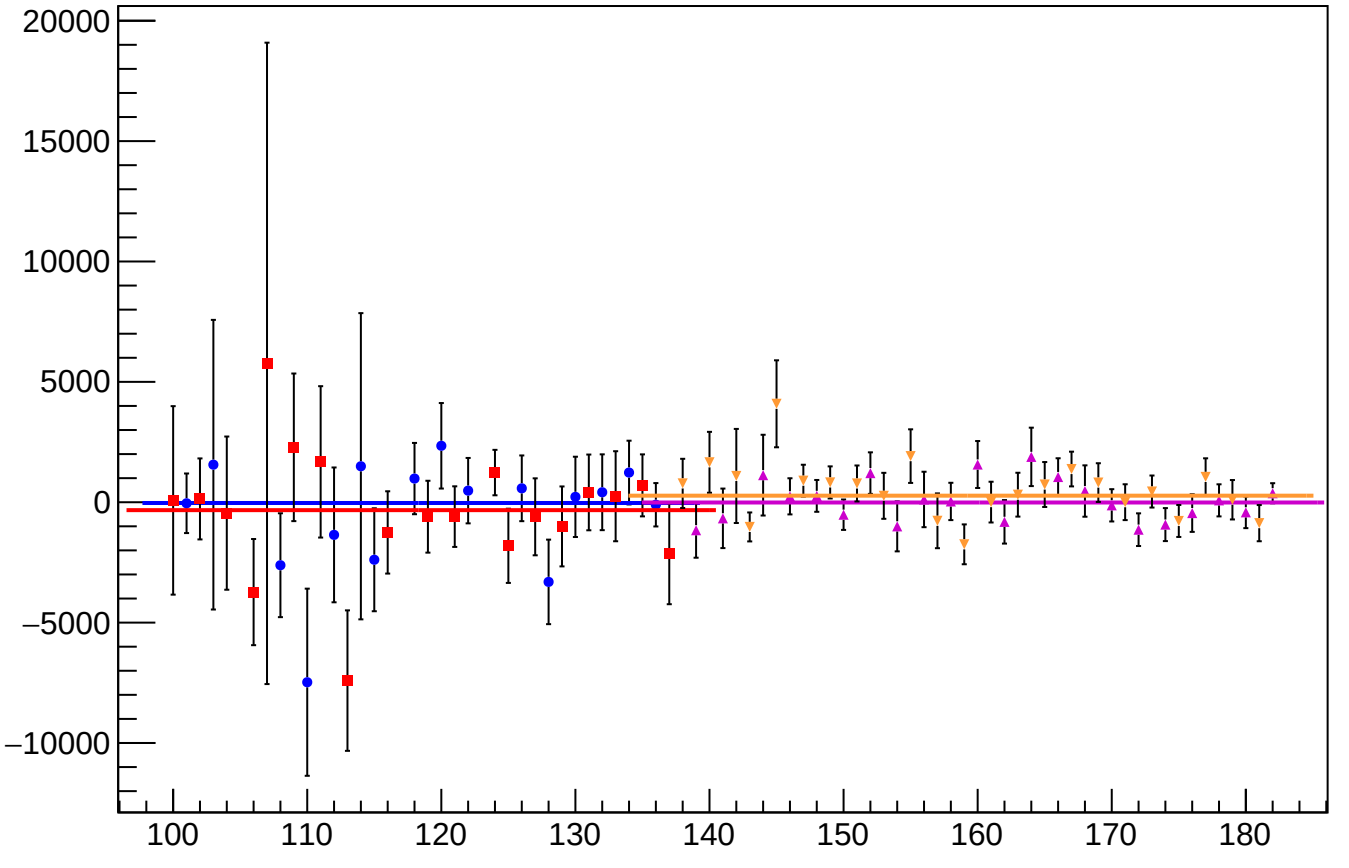
Left: 2377.666+/-0.279 χ^2/NDF: 63418.3/44

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2414.765+/-0.340 χ^2/NDF:282116.8/37

Out: 2448.253+/-0.343 χ^2/NDF:698961.5/41

All: 2431.381+/-0.242 χ^2/NDF: 985878.8/79



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 272.861+/-171.832 χ^2/NDF:31.0/22

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -10.902+/-164.449 χ^2/NDF:19.7/21

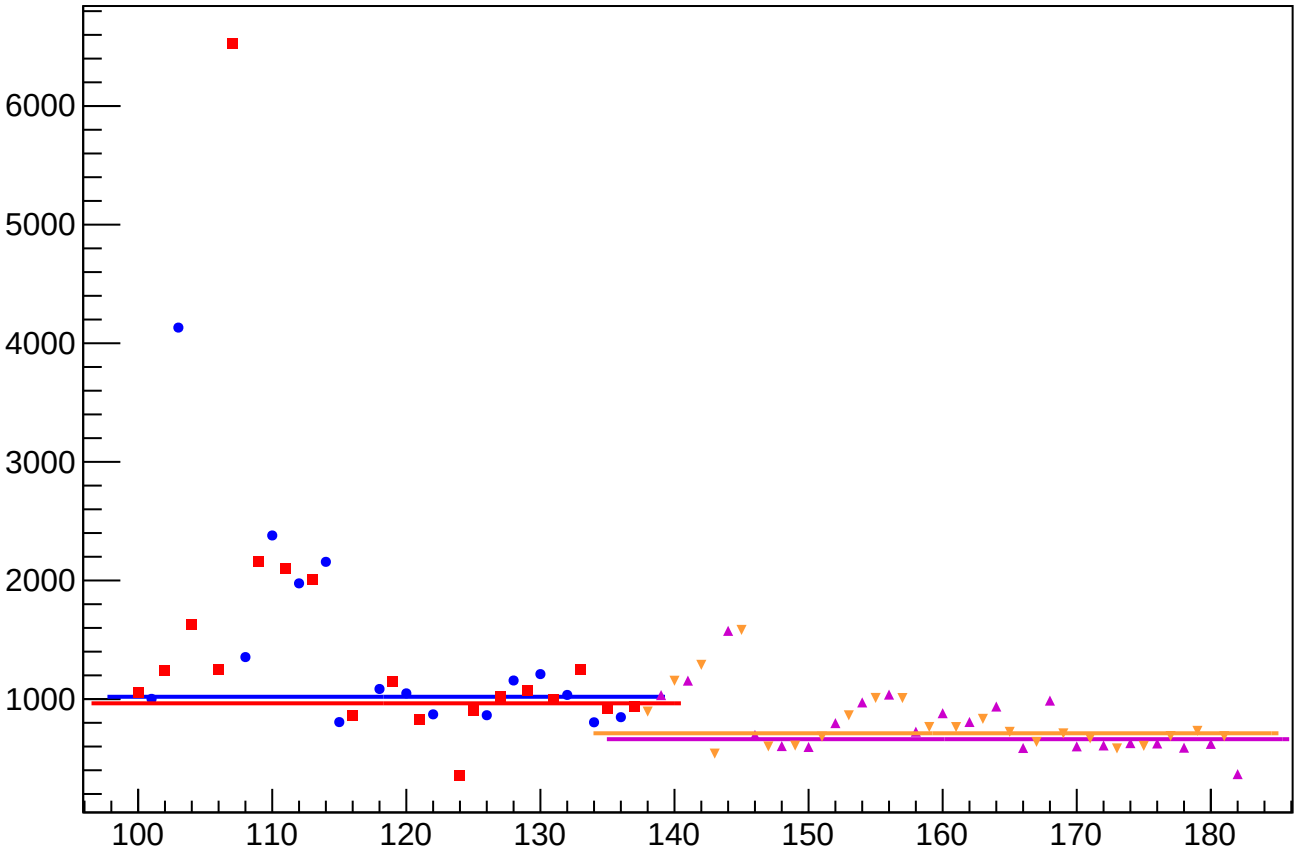
Left: 124.753+/-118.807 χ^2/NDF: 52.1/44

Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -13.765+/-152.406 χ^2/NDF:33.4/37

Out: 178.610+/-157.792 χ^2/NDF:48.5/41

All: 79.083+/-109.622 χ^2/NDF: 82.7/79



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 711.756+/-0.122 χ^2/NDF:1758180.9/22

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 661.984+/-0.116 χ^2/NDF:3140683.7/21

Left: 685.778+/-0.084 χ^2/NDF: 4986448.3/44

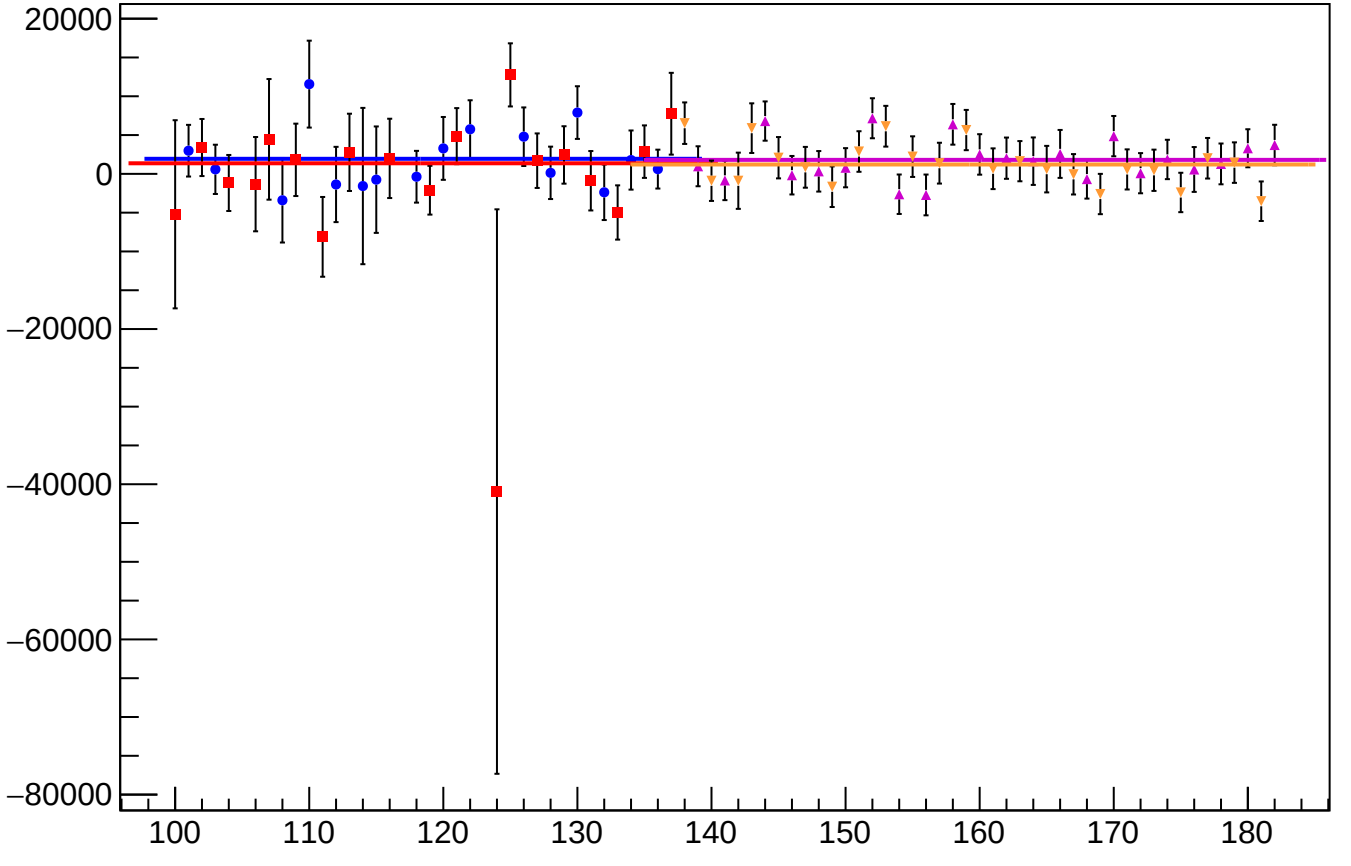
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 712.434+/-0.108 χ^2/NDF:5839414.2/37

Out: 751.351+/-0.112 χ^2/NDF:4745077.6/41

All: 731.217+/-0.078 χ^2/NDF: 10647433.1/79

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1209.207+/-557.457 χ^2/NDF:23.6/22

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1803.863+/-558.007 χ^2/NDF:23.7/21

Left: 1506.242+/-394.376 χ^2/NDF: 47.9/44

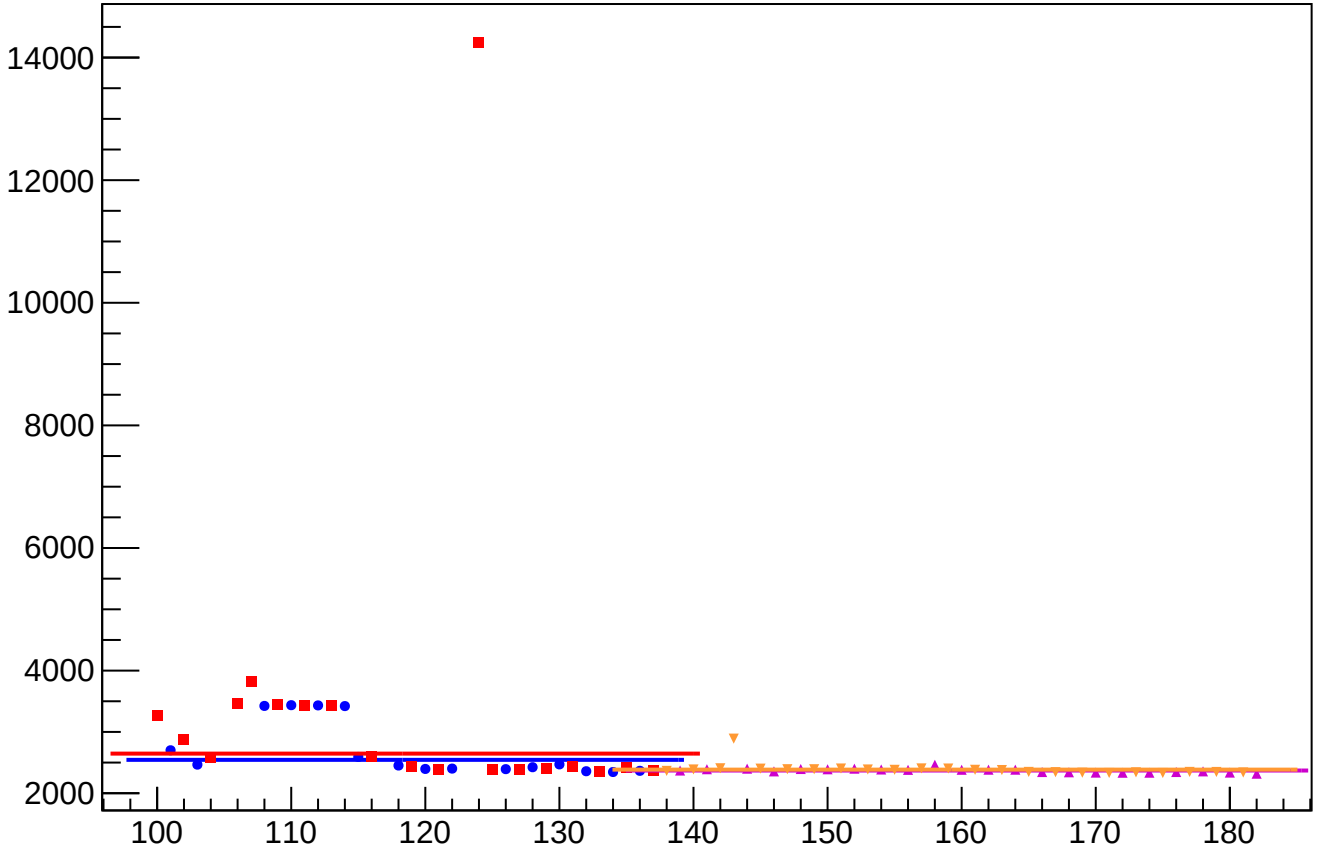
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1838.647+/-481.474 χ^2/NDF:35.9/37

Out: 1246.514+/-485.200 χ^2/NDF:45.3/41

All: 1544.862+/-341.763 χ^2/NDF: 82.0/79

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2385.044+/-0.394 χ^2/NDF:55981.7/22

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2370.273+/-0.395 χ^2/NDF:6735.1/21

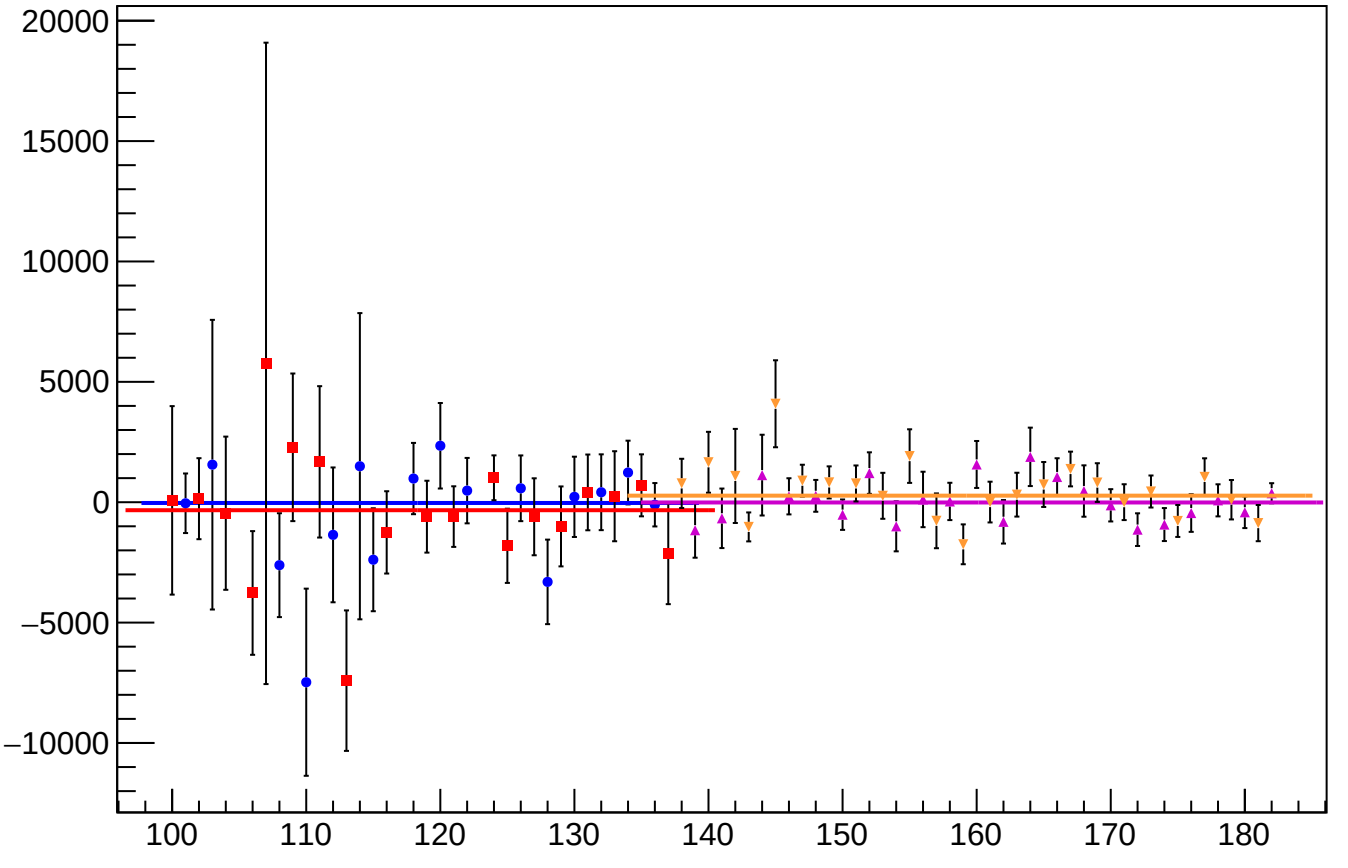
Left: 2377.666+/-0.279 χ^2/NDF: 63418.3/44

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2414.765+/-0.340 χ^2/NDF:282116.8/37

Out: 2448.359+/-0.343 χ^2/NDF:701946.9/41

All: 2431.432+/-0.242 χ^2/NDF: 988894.2/79



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 272.881+/-171.832 χ^2/NDF:31.0/22

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -10.838+/-164.447 χ^2/NDF:19.7/21

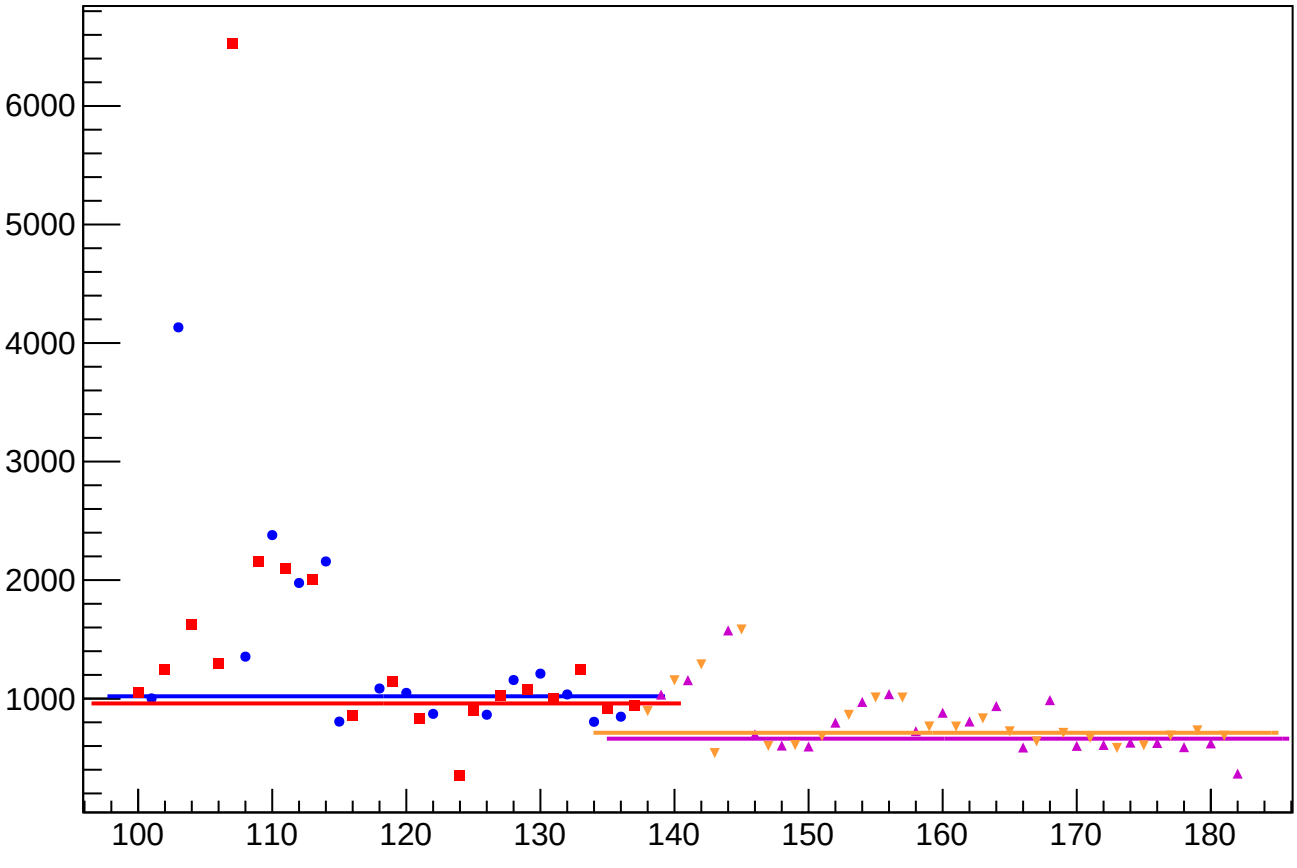
Left: 124.794+/-118.807 χ^2/NDF: 52.1/44

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -13.718+/-152.404 χ^2/NDF:33.4/37

Out: 178.387+/-157.840 χ^2/NDF:47.3/41

All: 78.970+/-109.637 χ^2/NDF: 81.5/79



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 711.759+/-0.122 χ^2/NDF:1758257.9/22

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 661.972+/-0.116 χ^2/NDF:3141131.5/21

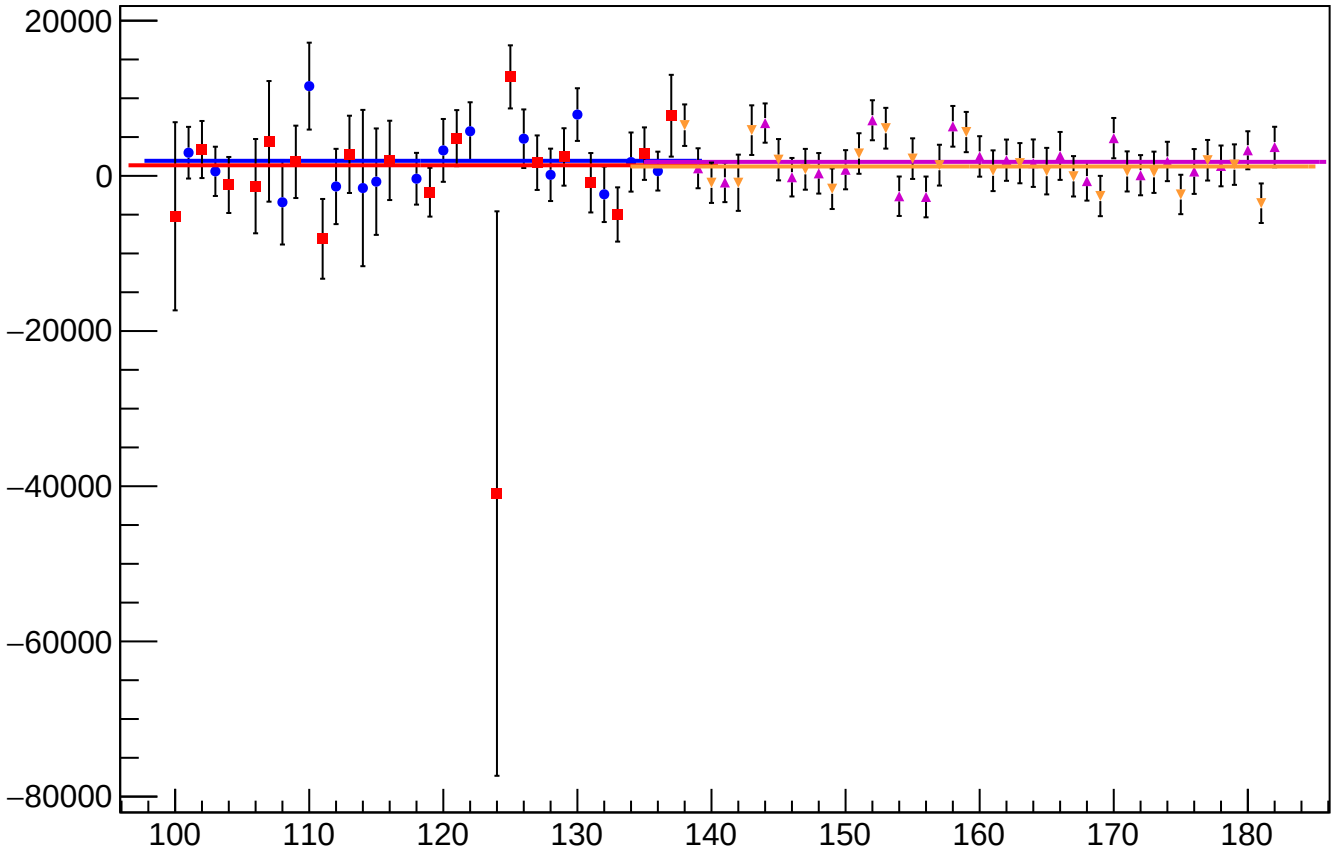
Left: 685.773+/-0.084 χ^2/NDF: 4987023.6/44

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 712.422+/-0.108 χ^2/NDF:5839901.4/37

Out: 750.439+/-0.112 χ^2/NDF:4751373.1/41

All: 730.765+/-0.078 χ^2/NDF: 10651318.0/79



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1209.207+/-557.457 χ^2/NDF:23.6/22

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1803.863+/-558.007 χ^2/NDF:23.7/21

Left: 1506.242+/-394.376 χ^2/NDF: 47.9/44

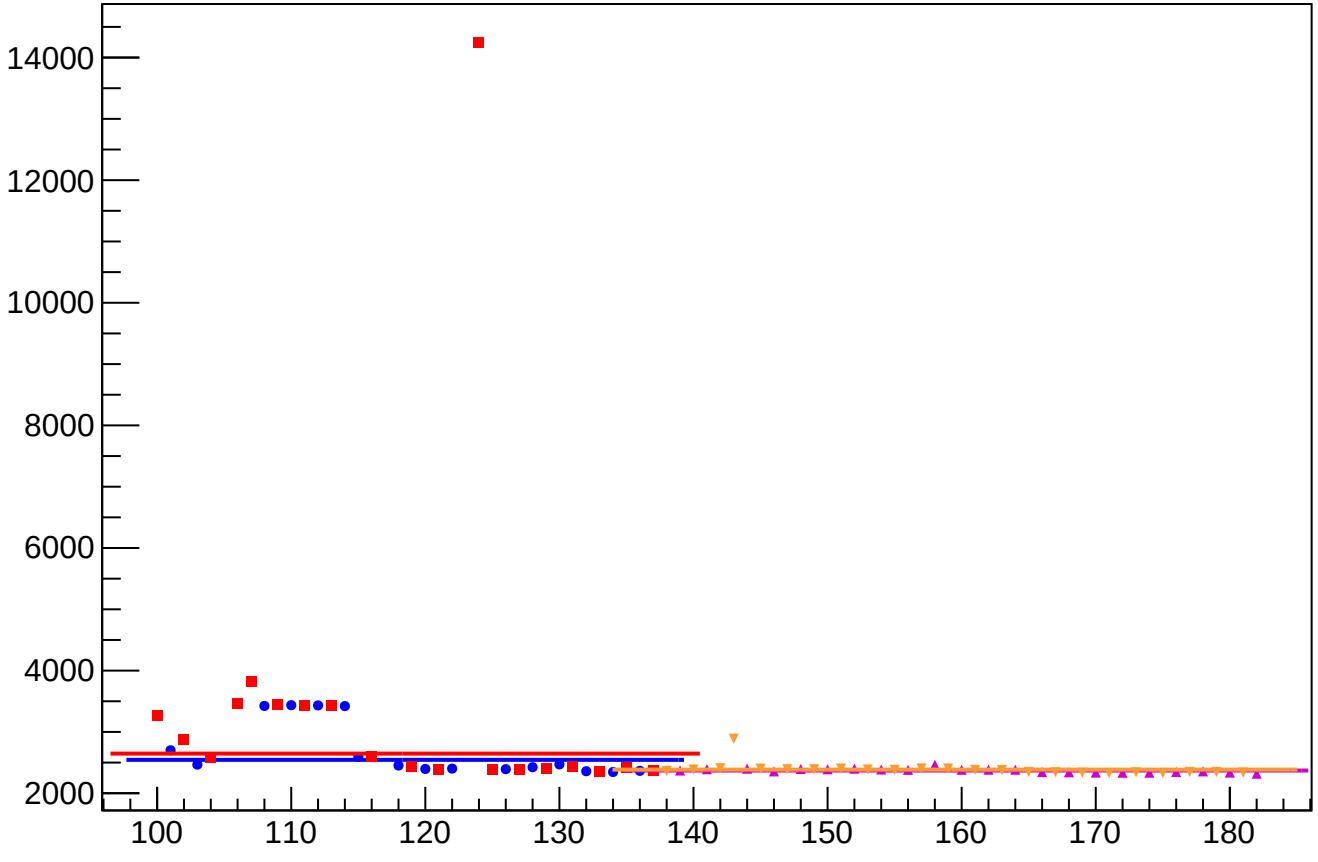
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1838.647+/-481.474 χ^2/NDF:35.9/37

Out: 1246.514+/-485.200 χ^2/NDF:45.3/41

All: 1544.862+/-341.763 χ^2/NDF: 82.0/79

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2385.044+/-0.394 χ^2/NDF:55981.7/22

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2370.273+/-0.395 χ^2/NDF:6735.1/21

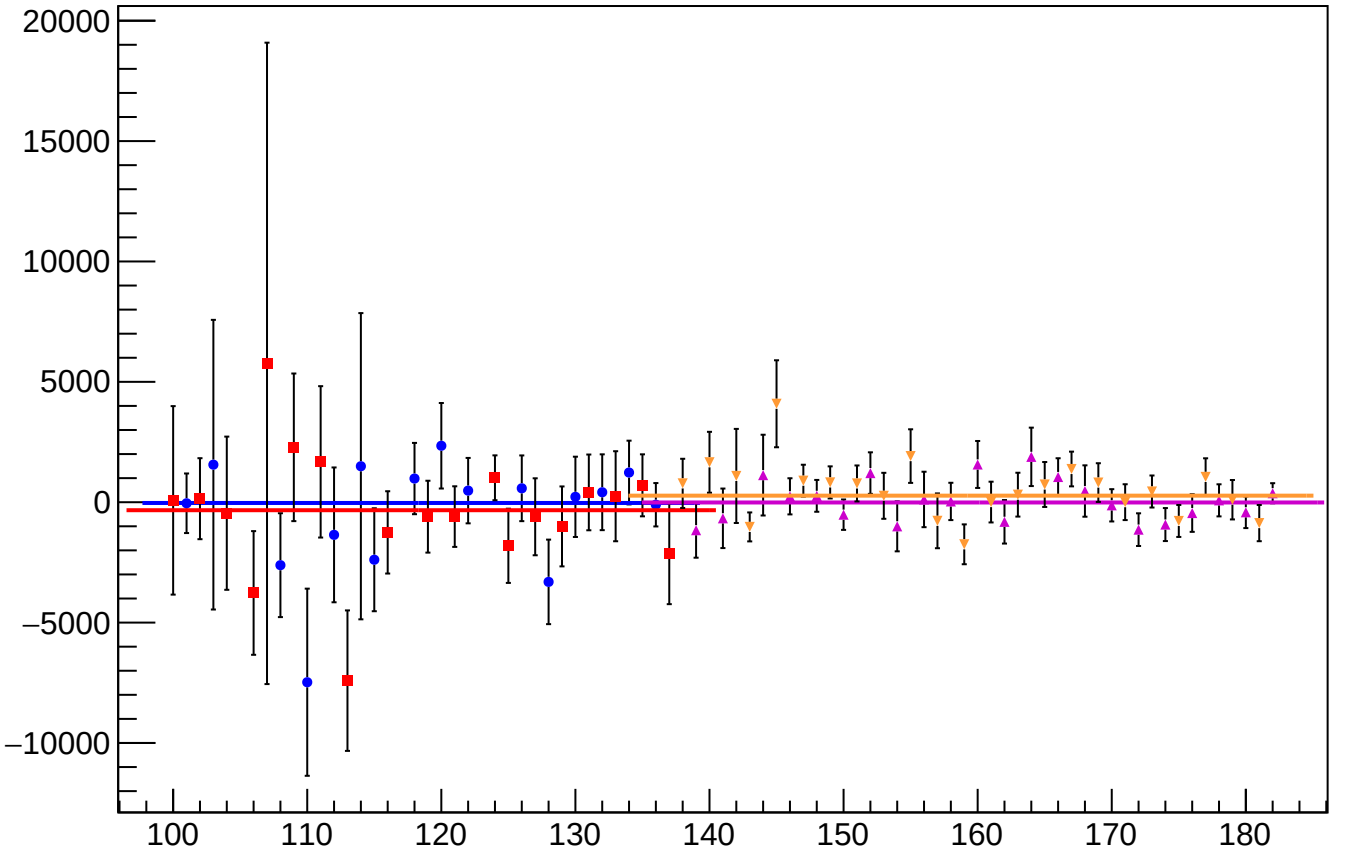
Left: 2377.666+/-0.279 χ^2/NDF: 63418.3/44

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2414.765+/-0.340 χ^2/NDF:282116.8/37

Out: 2448.359+/-0.343 χ^2/NDF:701946.9/41

All: 2431.432+/-0.242 χ^2/NDF: 988894.2/79



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 272.881+/-171.832 χ^2/NDF:31.0/22

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -10.838+/-164.447 χ^2/NDF:19.7/21

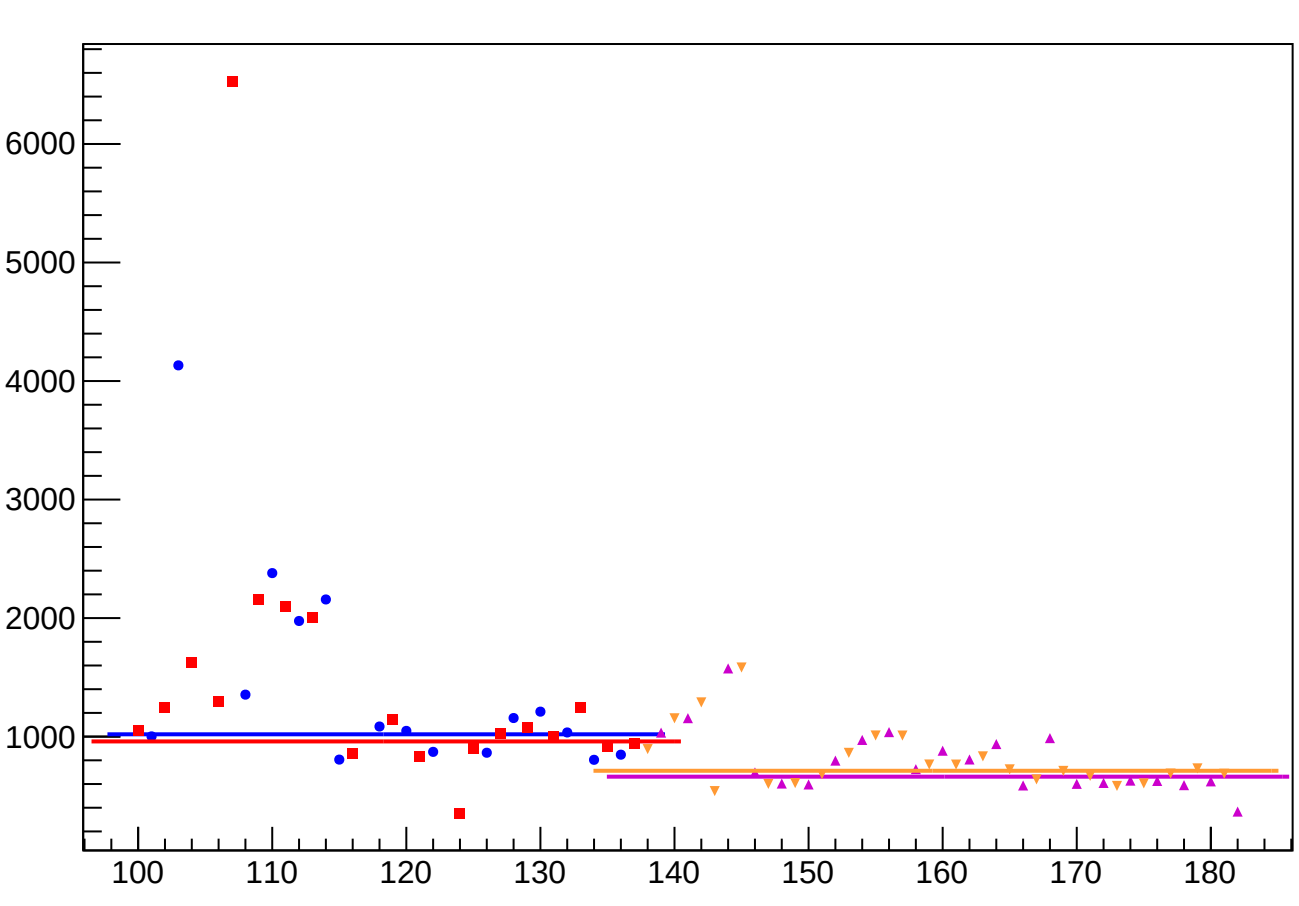
Left: 124.794+/-118.807 χ^2/NDF: 52.1/44

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -13.718+/-152.404 χ^2/NDF:33.4/37

Out: 178.387+/-157.840 χ^2/NDF:47.3/41

All: 78.970+/-109.637 χ^2/NDF: 81.5/79



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 711.759+/-0.122 χ^2/NDF:1758257.9/22

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 661.972+/-0.116 χ^2/NDF:3141131.5/21

Left: 685.773+/-0.084 χ^2/NDF: 4987023.6/44

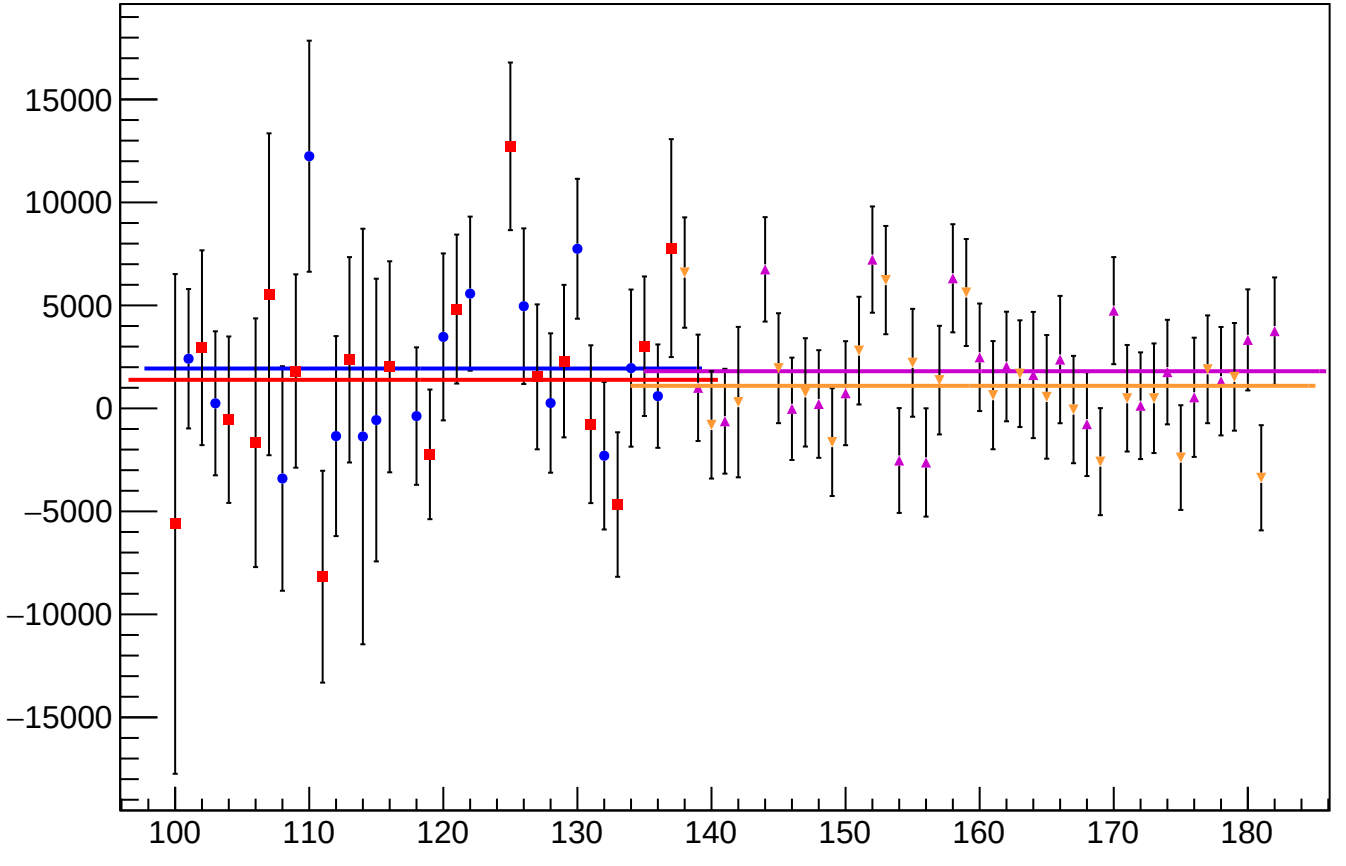
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 712.422+/-0.108 χ^2/NDF:5839901.4/37

Out: 750.439+/-0.112 χ^2/NDF:4751373.1/41

All: 730.765+/-0.078 χ^2/NDF: 10651318.0/79

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1095.550+/-566.783 χ^2/NDF:21.0/21

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1804.541+/-558.514 χ^2/NDF:23.0/21

Left: 1455.255+/-397.821 χ^2/NDF: 44.8/43

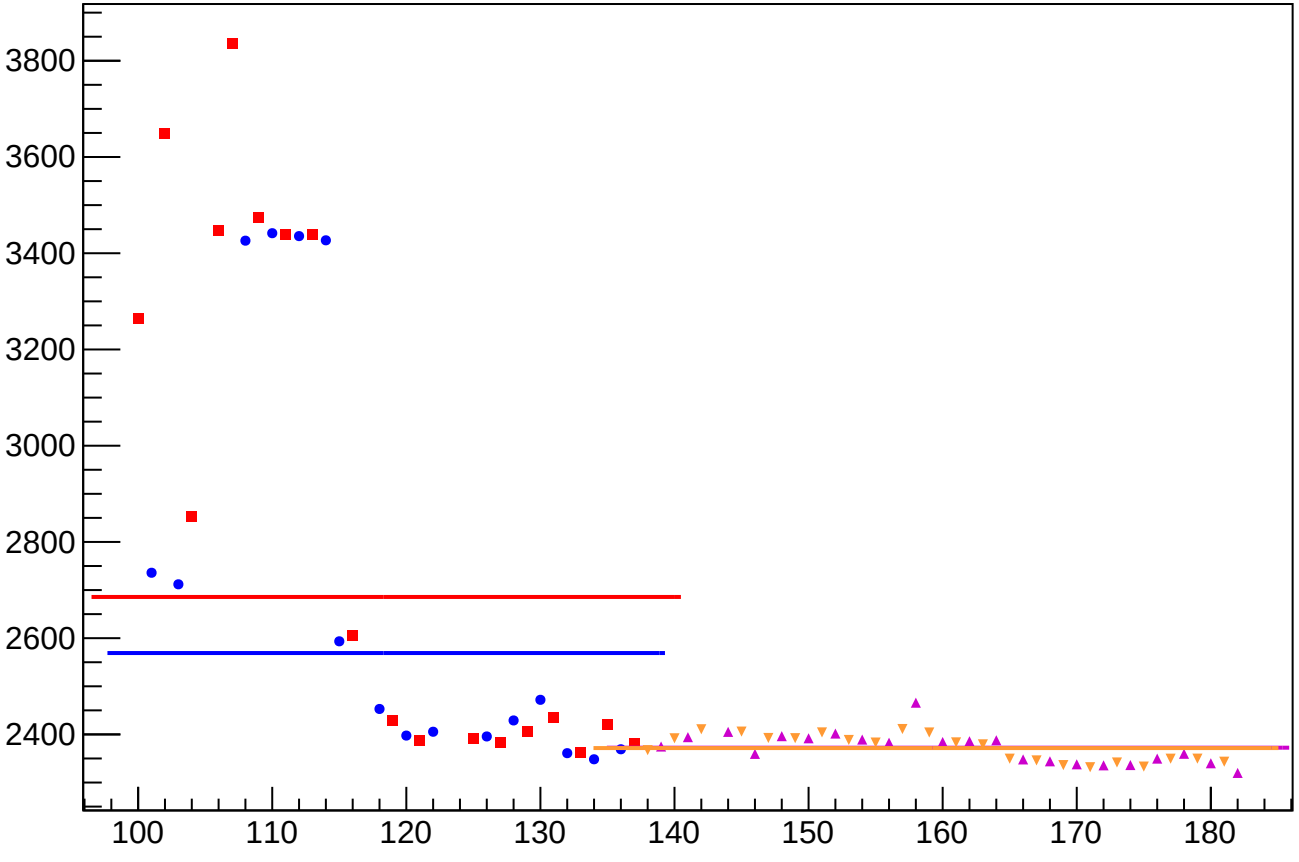
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1837.663+/-483.052 χ^2/NDF:35.4/37

Out: 1165.576+/-494.170 χ^2/NDF:40.8/39

All: 1509.265+/-345.433 χ^2/NDF: 77.1/77

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2371.625+/-0.401 χ^2/NDF:4574.8/21

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2372.418+/-0.395 χ^2/NDF:6747.5/21

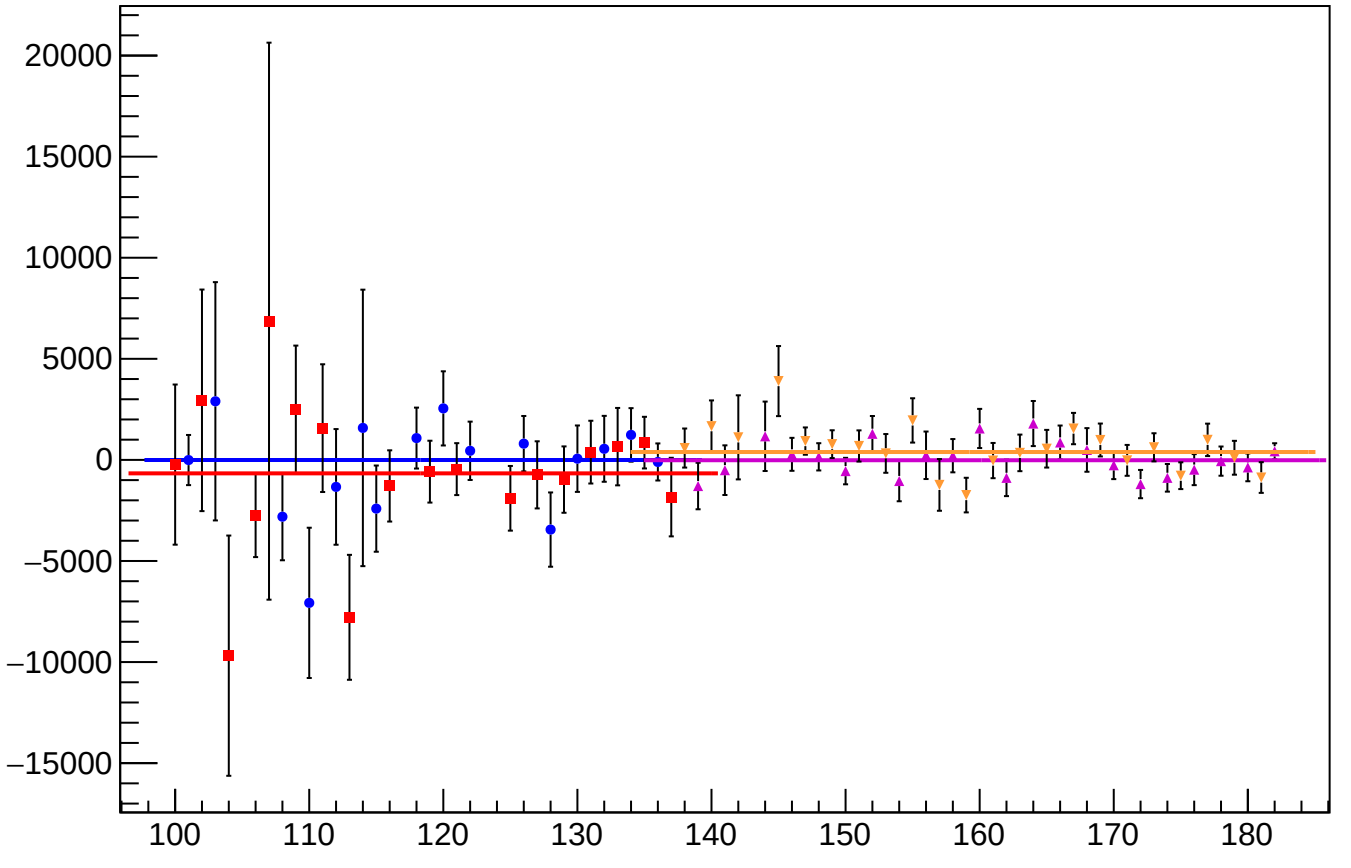
Left: 2372.027+/-0.281 χ^2/NDF: 11324.3/43

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2421.983+/-0.342 χ^2/NDF:298747.9/37

Out: 2446.940+/-0.349 χ^2/NDF:571095.0/39

All: 2434.178+/-0.244 χ^2/NDF: 872451.4/77



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 390.218+/-183.214 χ^2/NDF:26.3/21

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: -16.637+/-166.557 χ^2/NDF:20.1/21

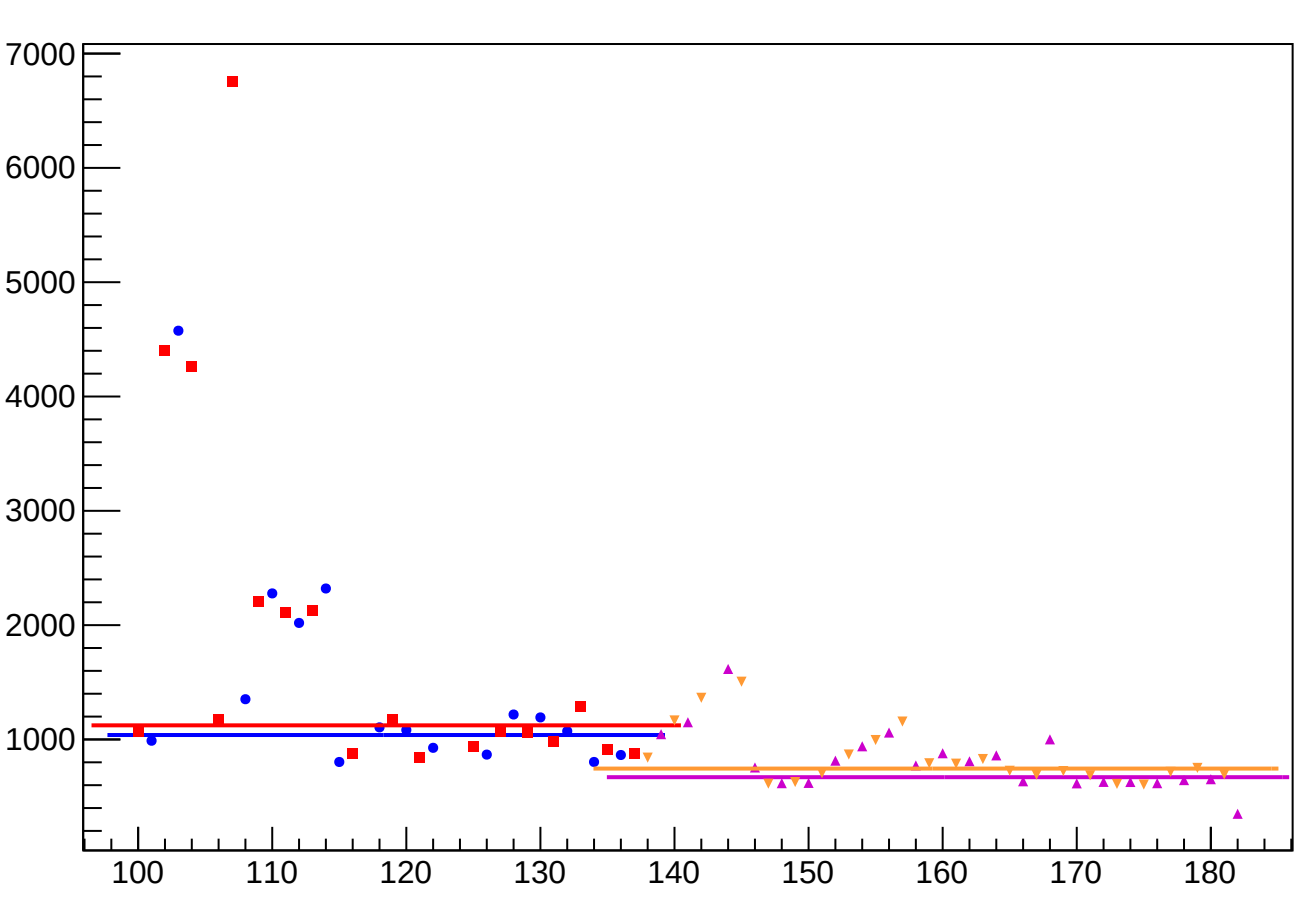
Left: 167.459+/-123.242 χ^2/NDF: 49.1/43

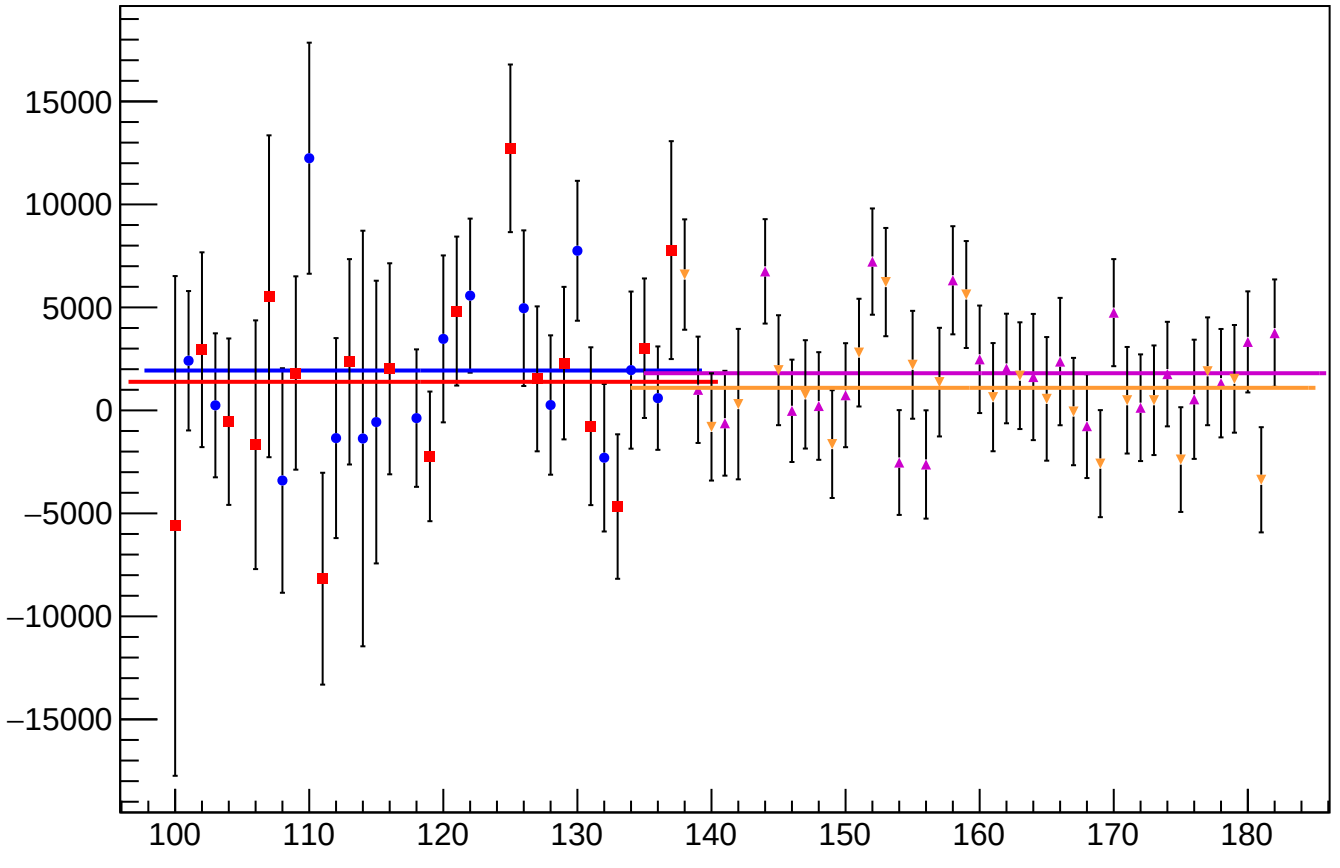
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -15.028+/-154.429 χ^2/NDF:34.6/37

Out: 245.890+/-170.236 χ^2/NDF:45.2/39

All: 102.758+/-114.379 χ^2/NDF: 81.1/77


asym_atl1_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
Right In: 1038.803+/-0.292 χ²/NDF: 1539731.1/15
Left Out: 745.227+/-0.130 χ²/NDF:1510441.4/21
Right Out: 1123.474+/-0.326 χ²/NDF: 2535511.7/17
Left In: 669.903+/-0.118 χ²/NDF:3355079.0/21
Left: 703.986+/-0.087 χ²/NDF: 5050604.8/43
Right: 1076.470+/-0.217 χ²/NDF: 4112776.2/33
In: 721.670+/-0.109 χ²/NDF:6271584.8/37
Out: 796.915+/-0.120 χ²/NDF:5210842.3/39
All: 755.638+/-0.081 χ²/NDF: 11696776.8/77



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1095.551+/-566.783 χ^2/NDF:21.0/21

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1804.542+/-558.514 χ^2/NDF:23.0/21

Left: 1455.256+/-397.821 χ^2/NDF: 44.8/43

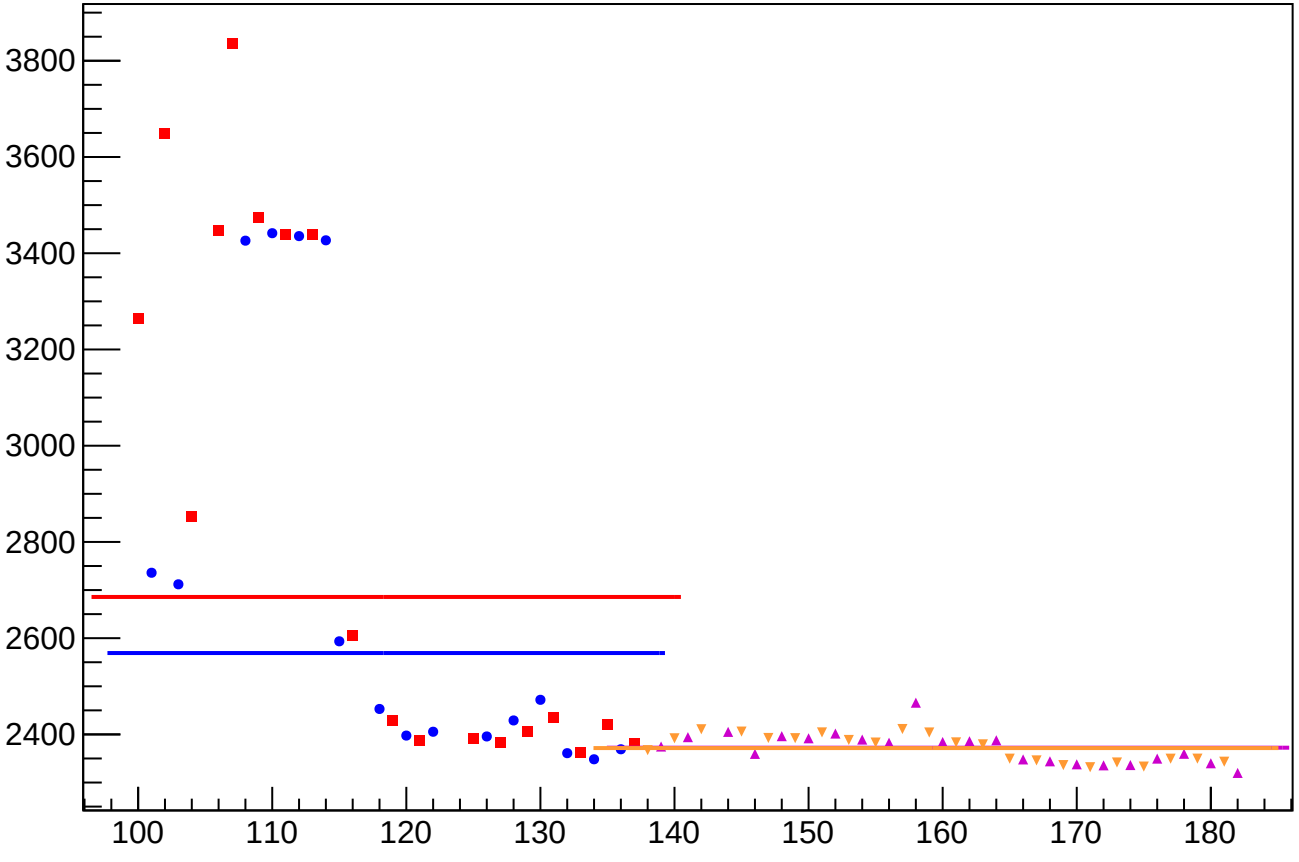
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1837.662+/-483.052 χ^2/NDF:35.4/37

Out: 1165.576+/-494.170 χ^2/NDF:40.8/39

All: 1509.264+/-345.433 χ^2/NDF: 77.1/77

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2371.625+/-0.401 χ^2/NDF:4574.8/21

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2372.418+/-0.395 χ^2/NDF:6747.5/21

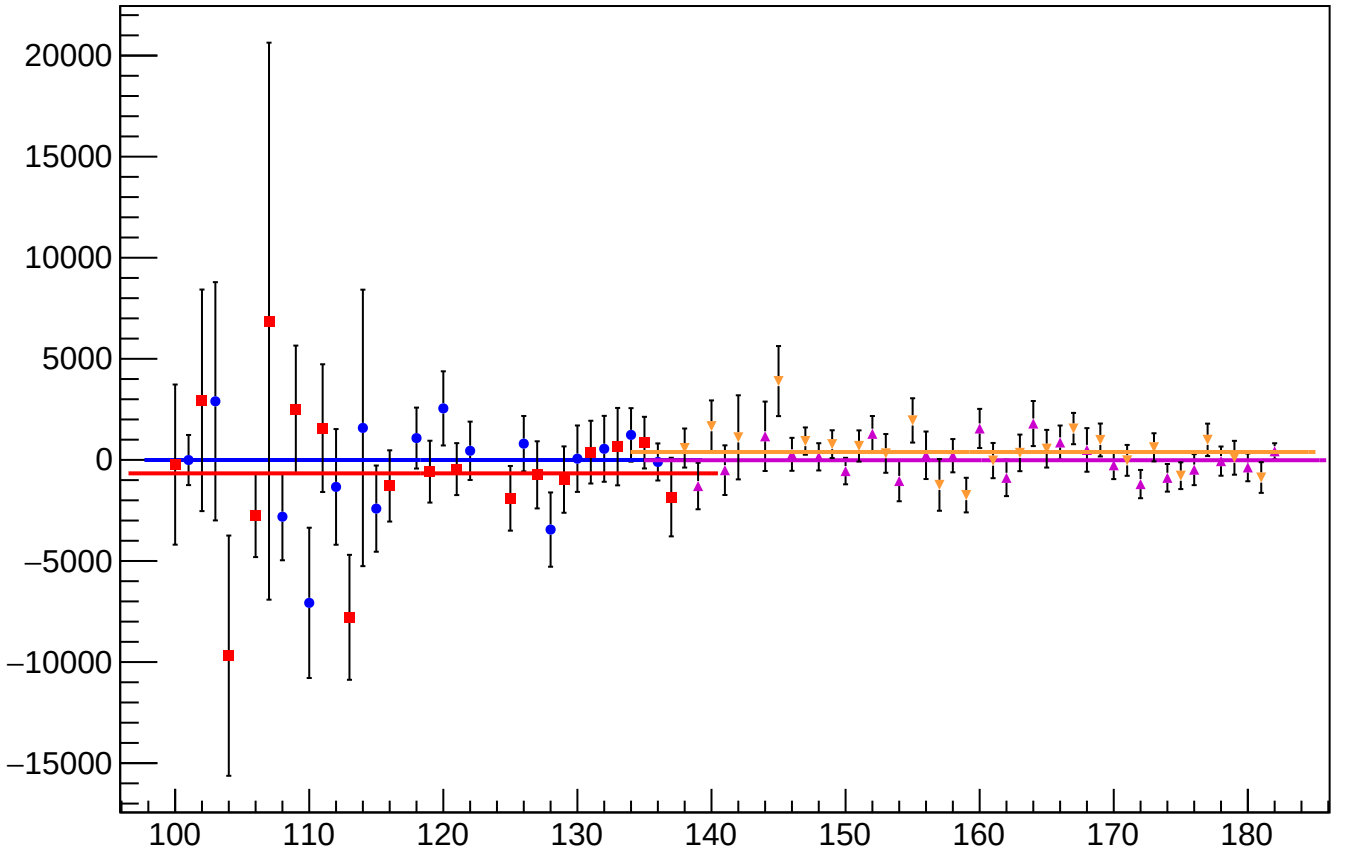
Left: 2372.027+/-0.281 χ^2/NDF: 11324.3/43

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2421.983+/-0.342 χ^2/NDF:298747.5/37

Out: 2446.939+/-0.349 χ^2/NDF:571094.1/39

All: 2434.178+/-0.244 χ^2/NDF: 872449.9/77



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 390.218+/-183.214 χ^2/NDF:26.3/21

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -16.637+/-166.557 χ^2/NDF:20.1/21

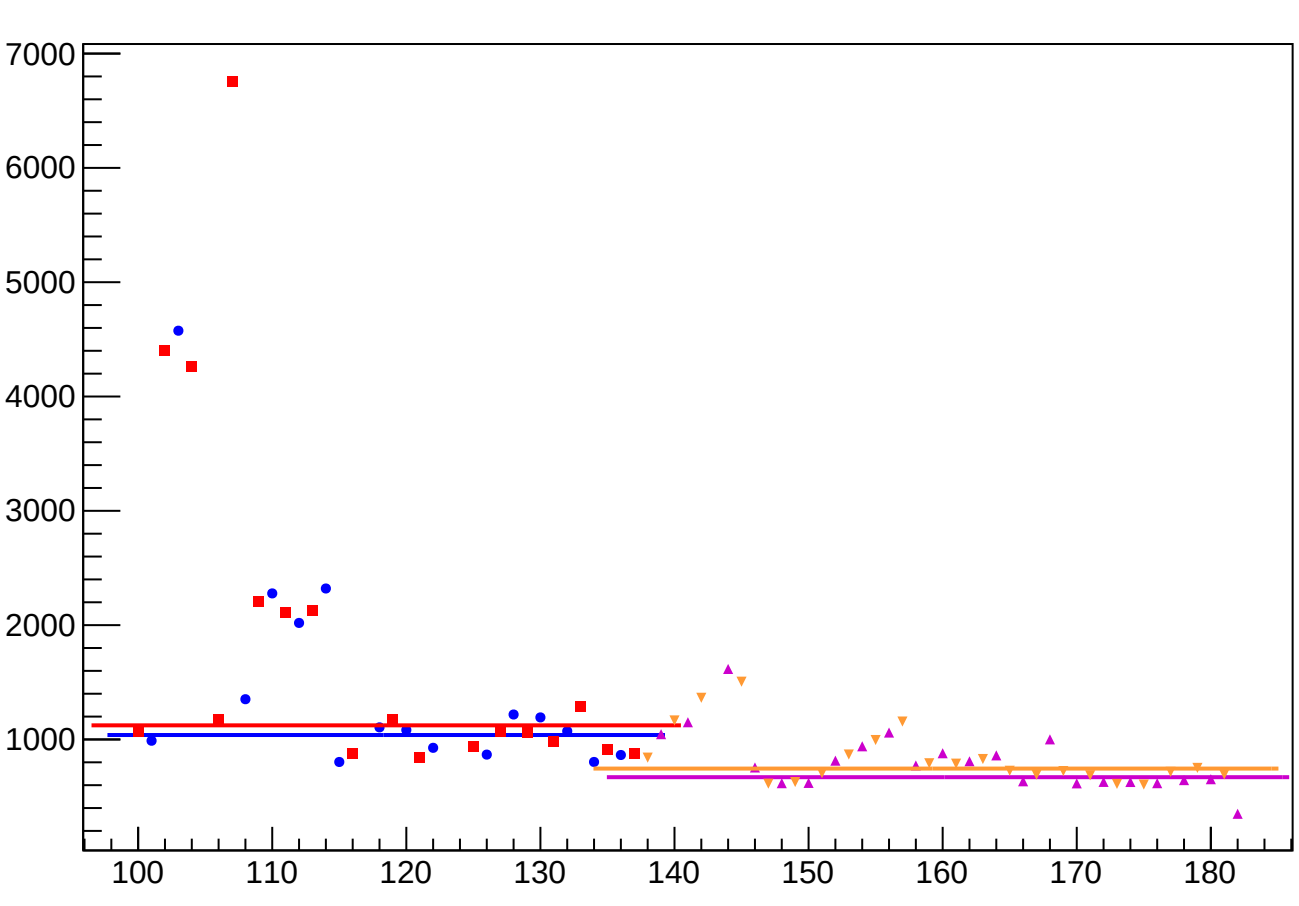
Left: 167.459+/-123.243 χ^2/NDF: 49.1/43

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -15.028+/-154.429 χ^2/NDF:34.6/37

Out: 245.889+/-170.236 χ^2/NDF:45.2/39

All: 102.757+/-114.379 χ^2/NDF: 81.1/77



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 745.228+/-0.130 χ^2/NDF:1510439.6/21

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 669.904+/-0.118 χ^2/NDF:3355090.4/21

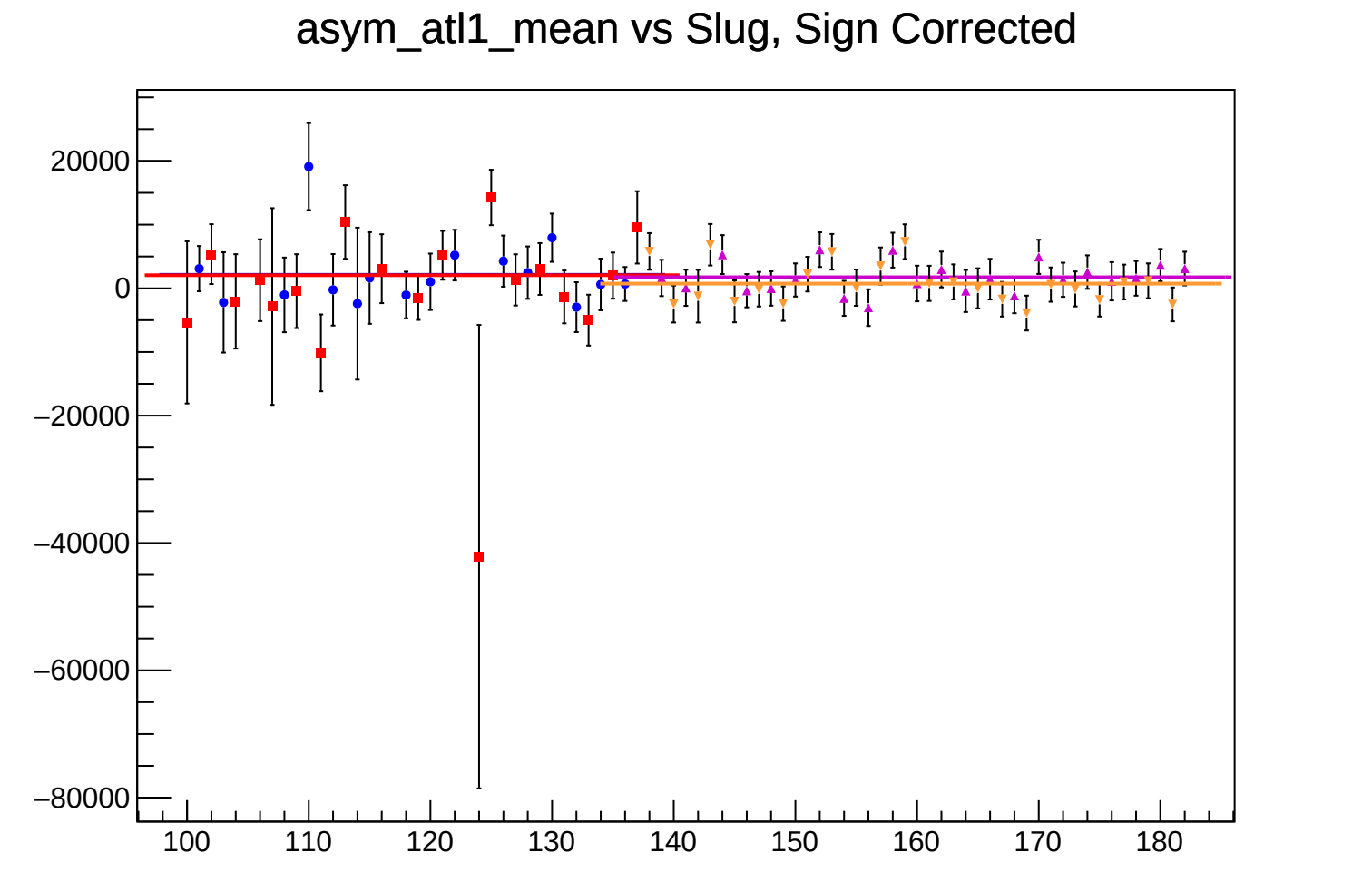
Left: 703.987+/-0.087 χ^2/NDF: 5050616.5/43

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 721.671+/-0.109 χ^2/NDF:6271587.2/37

Out: 796.917+/-0.120 χ^2/NDF:5210829.6/39

All: 755.639+/-0.081 χ^2/NDF: 11696768.5/77



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 740.745+/-592.083 χ^2/NDF:26.8/22

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1740.130+/-592.350 χ^2/NDF:16.2/21

Left: 1240.212+/-418.760 χ^2/NDF: 44.4/44

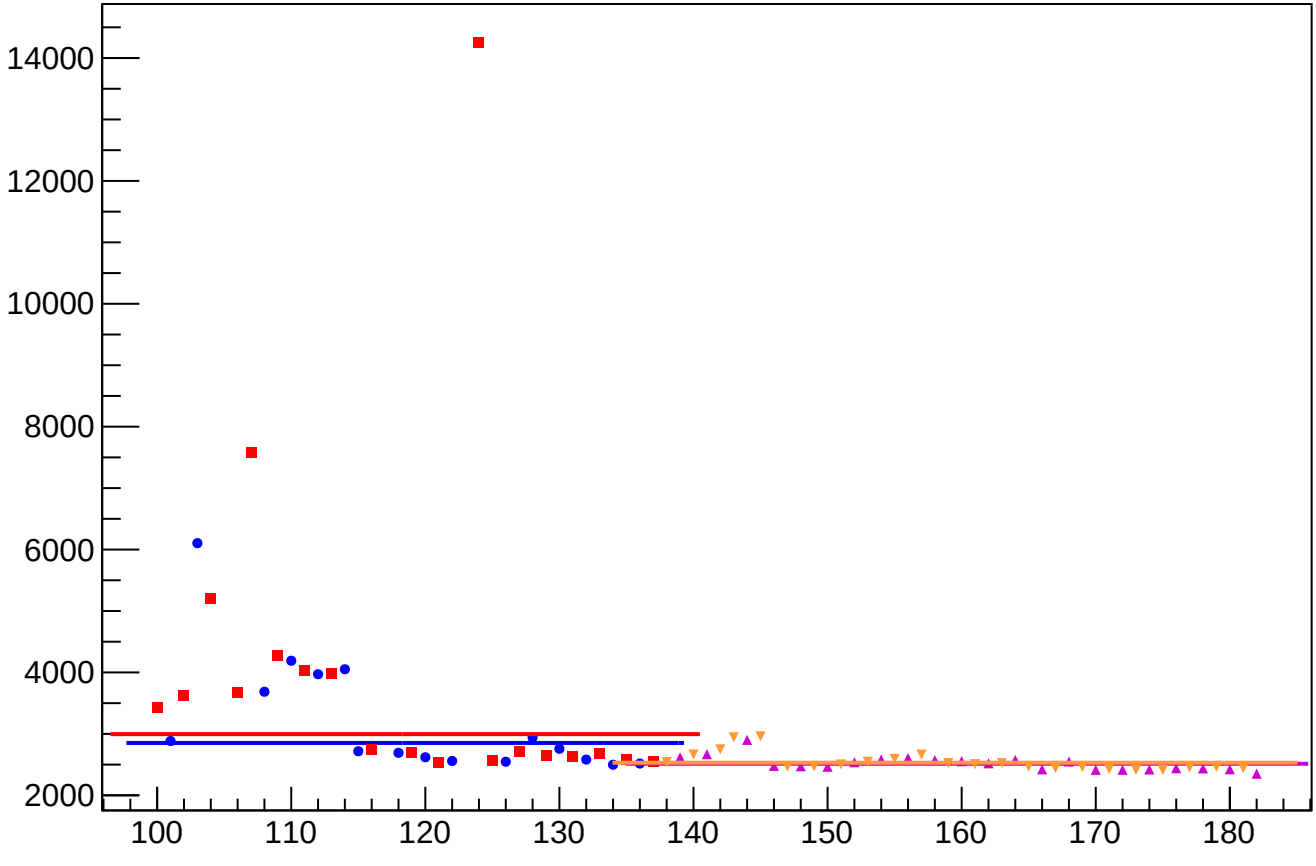
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1827.849+/-519.881 χ^2/NDF:29.7/37

Out: 1022.194+/-525.127 χ^2/NDF:52.1/41

All: 1429.066+/-369.452 χ^2/NDF: 83.0/79

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2531.009+/-0.419 χ^2/NDF:103151.3/22

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2513.461+/-0.419 χ^2/NDF:70453.8/21

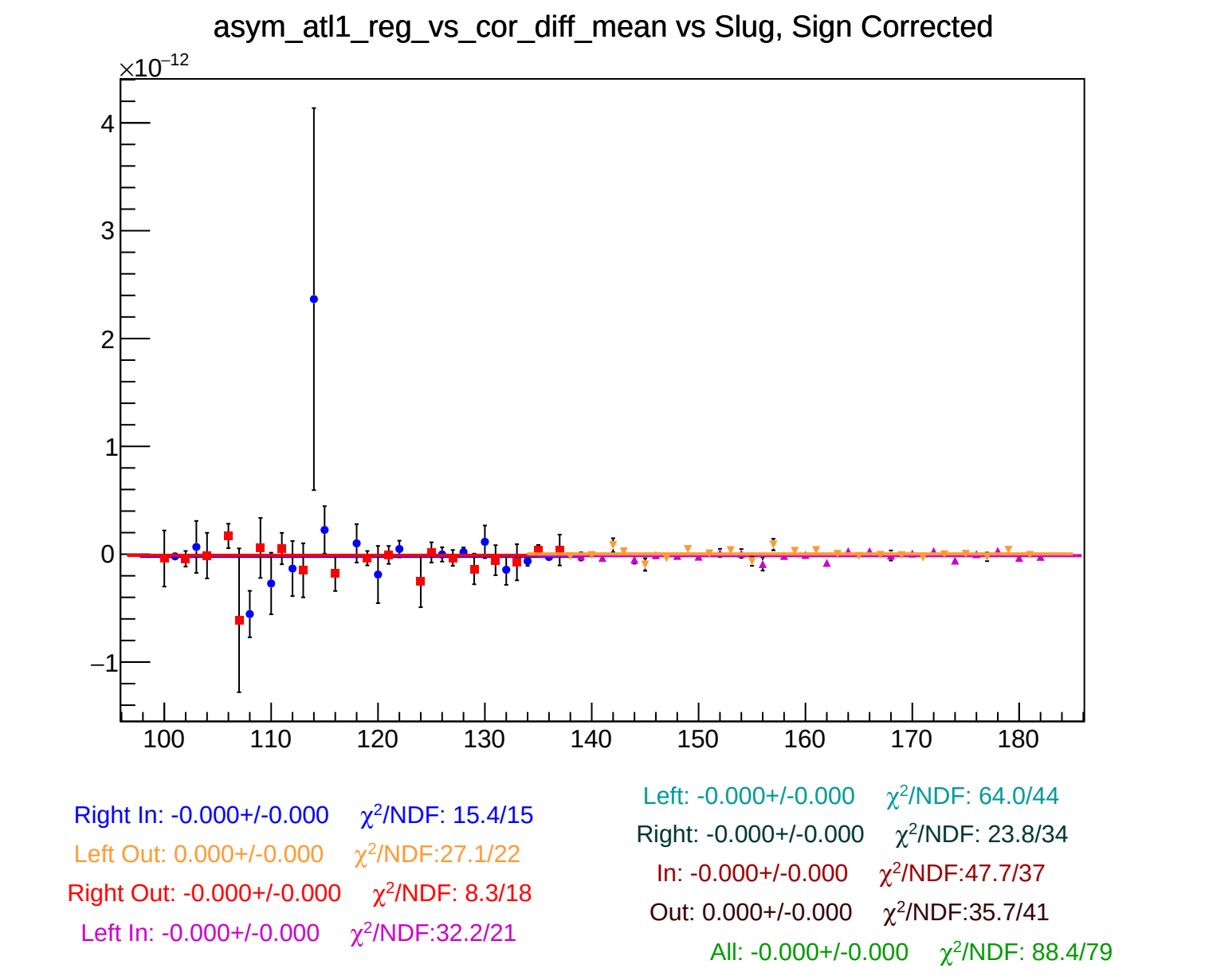
Left: 2522.239+/-0.296 χ^2/NDF: 174483.1/44

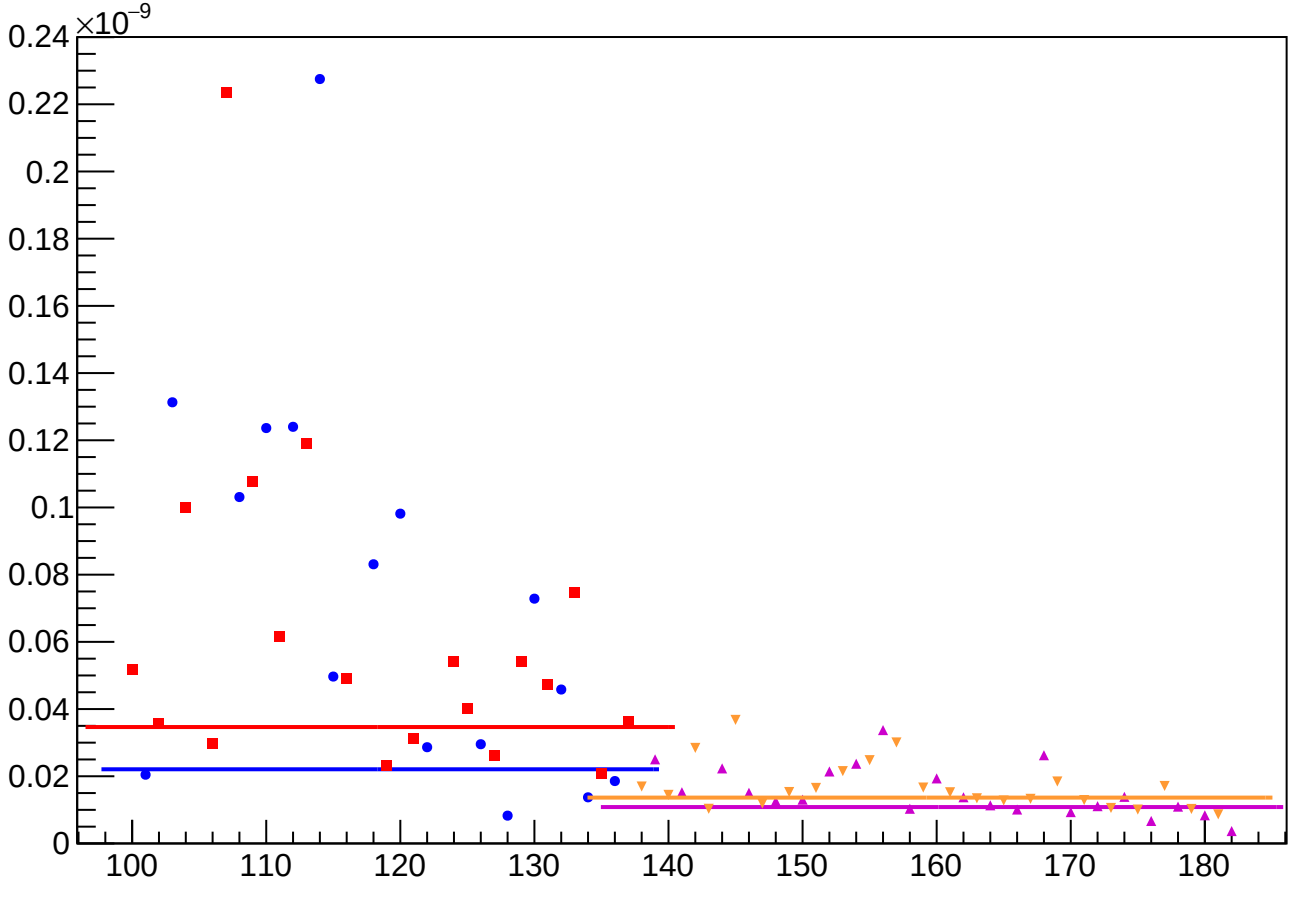
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

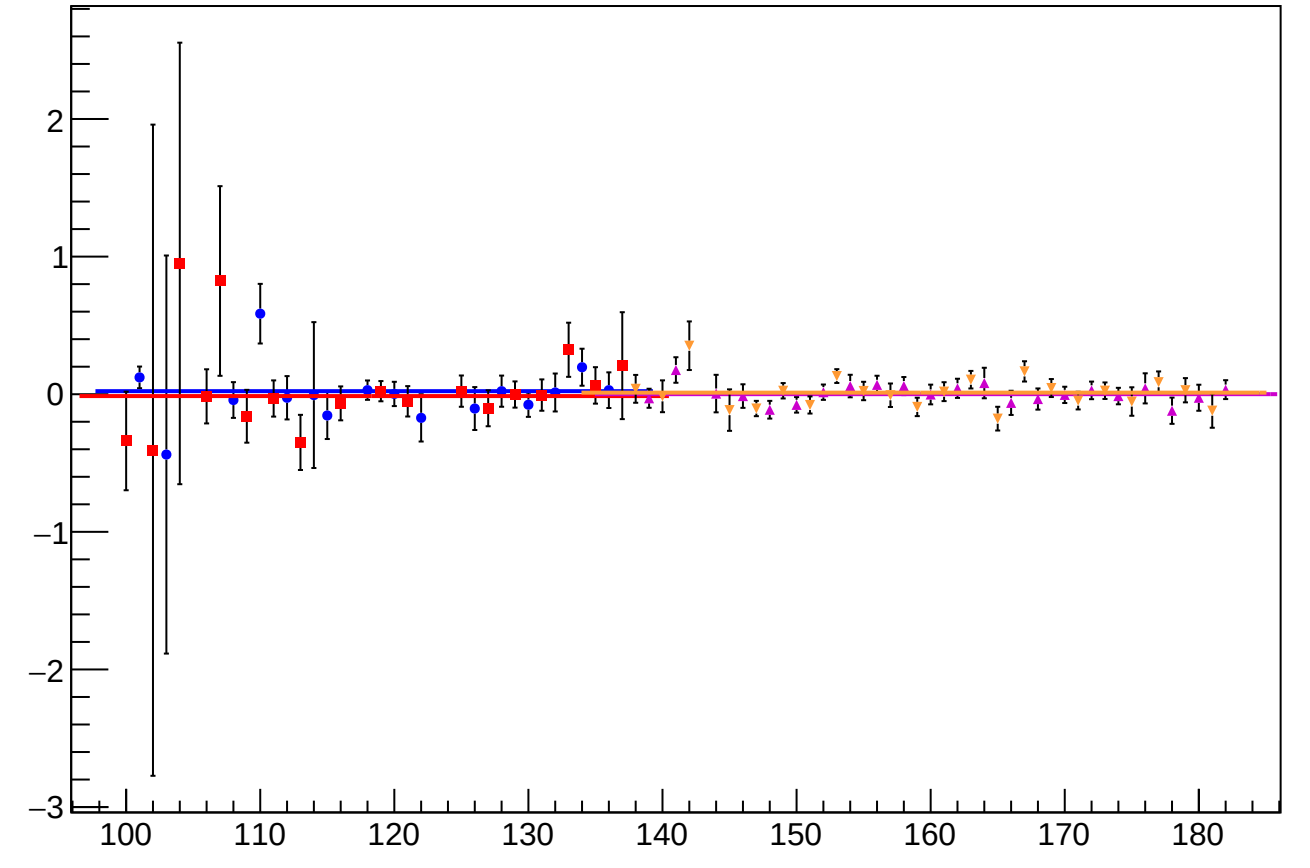
In: 2591.275+/-0.368 χ^2/NDF:869417.0/37

Out: 2630.128+/-0.371 χ^2/NDF:1344997.4/41

All: 2610.507+/-0.261 χ^2/NDF: 2219943.4/79


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:27.1/22
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:32.2/21
Left: -0.000+/-0.000 χ²/NDF: 64.0/44
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:47.7/37
Out: 0.000+/-0.000 χ²/NDF:35.7/41
All: -0.000+/-0.000 χ²/NDF: 88.4/79


asym_atl1_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
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2344133.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1349553.3/22
Right Out: 0.000+/-0.000 χ²/NDF: 1242991.9/18
Left In: 0.000+/-0.000 χ²/NDF:2608921.3/21
Left: 0.000+/-0.000 χ²/NDF: 4251753.6/44
Right: 0.000+/-0.000 χ²/NDF: 3942150.2/34
In: 0.000+/-0.000 χ²/NDF:5747724.5/37
Out: 0.000+/-0.000 χ²/NDF:4000639.4/41
All: 0.000+/-0.000 χ²/NDF: 10090405.9/79



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.016 χ^2/NDF:34.3/21

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.000+/-0.016 χ^2/NDF:15.1/21

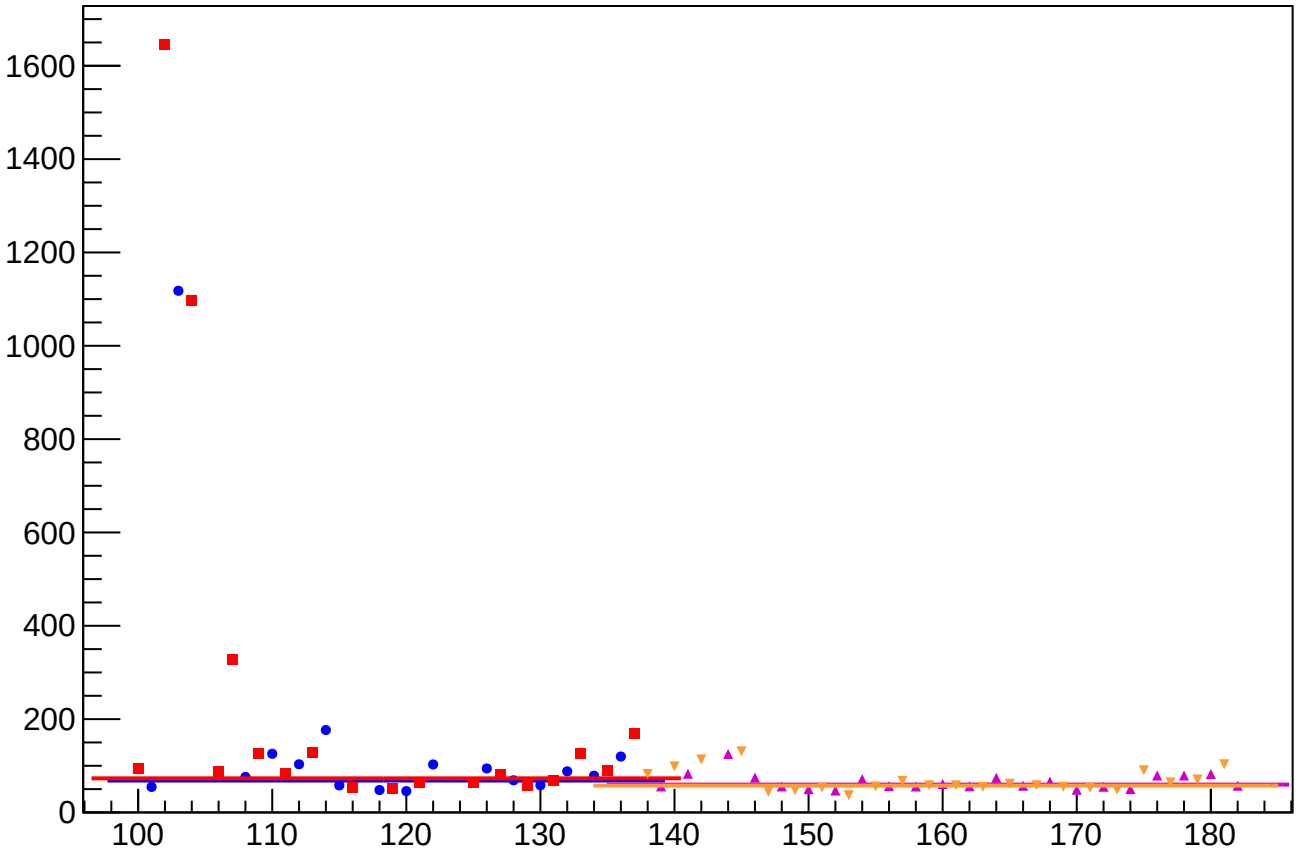
Left: 0.006+/-0.011 χ^2/NDF: 49.6/43

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.4/37

Out: 0.007+/-0.014 χ^2/NDF:45.5/39

All: 0.006+/-0.010 χ^2/NDF: 75.9/77



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 57.494+/-0.011 χ^2/NDF:2182477.7/21

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.693+/-0.011 χ^2/NDF:1329823.7/21

Left: 58.593+/-0.008 χ^2/NDF: 3532185.8/43

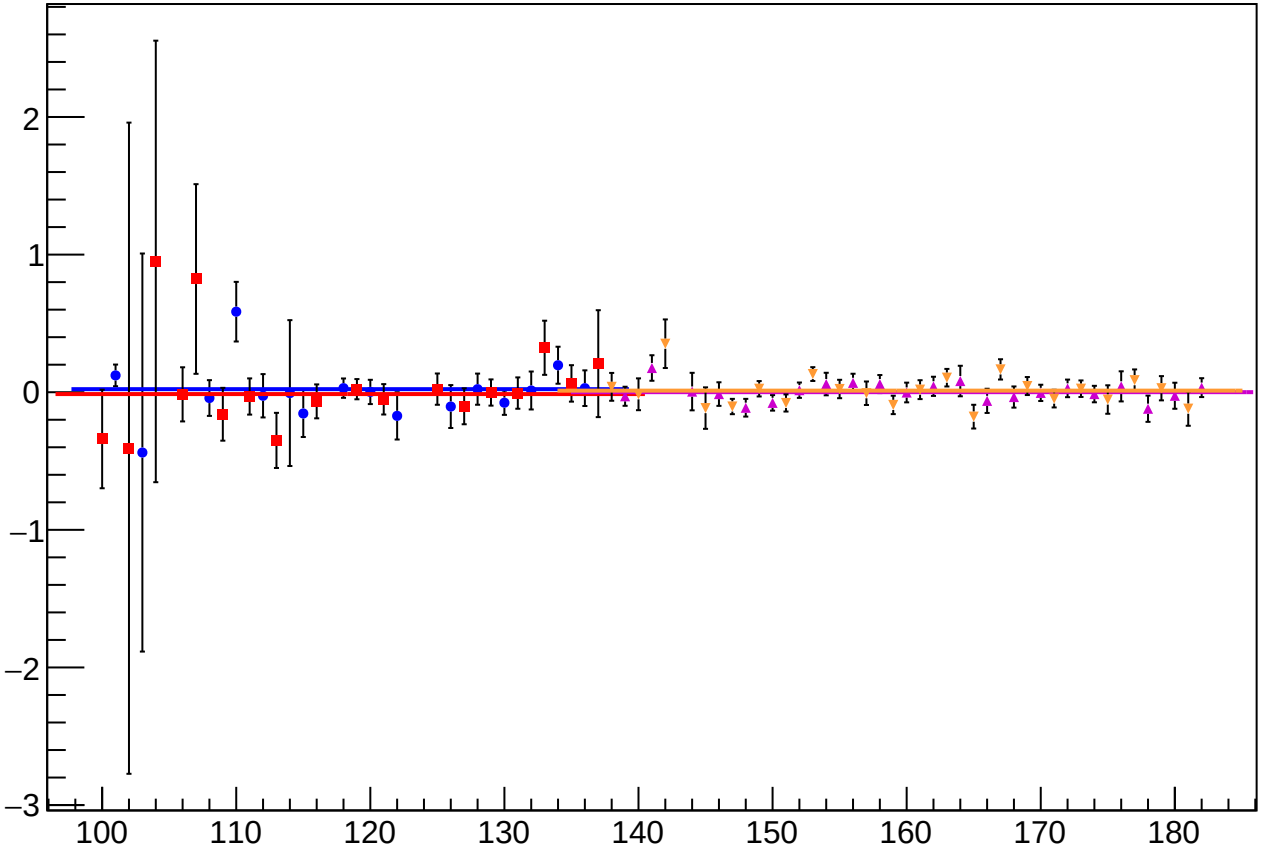
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.538+/-0.010 χ^2/NDF:3740374.6/37

Out: 60.271+/-0.010 χ^2/NDF:5451500.7/39

All: 60.917+/-0.007 χ^2/NDF: 9200071.7/77

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: 0.012+/-0.016 χ^2/NDF:34.3/21

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.000+/-0.016 χ^2/NDF:15.1/21

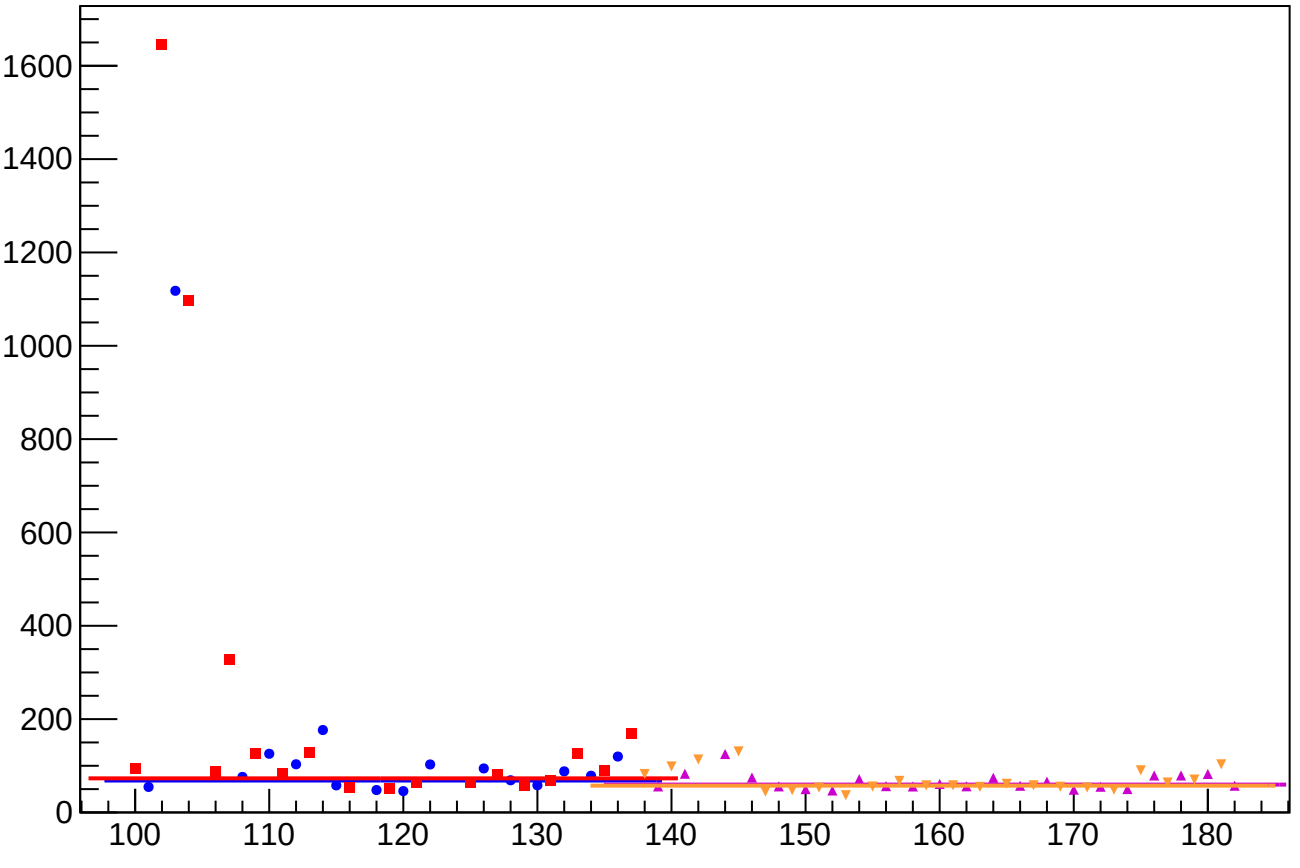
Left: 0.006+/-0.011 χ^2/NDF: 49.6/43

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.4/37

Out: 0.007+/-0.014 χ^2/NDF:45.5/39

All: 0.006+/-0.010 χ^2/NDF: 75.9/77



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 57.494+/-0.011 χ^2/NDF:2182477.7/21

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.693+/-0.011 χ^2/NDF:1329823.7/21

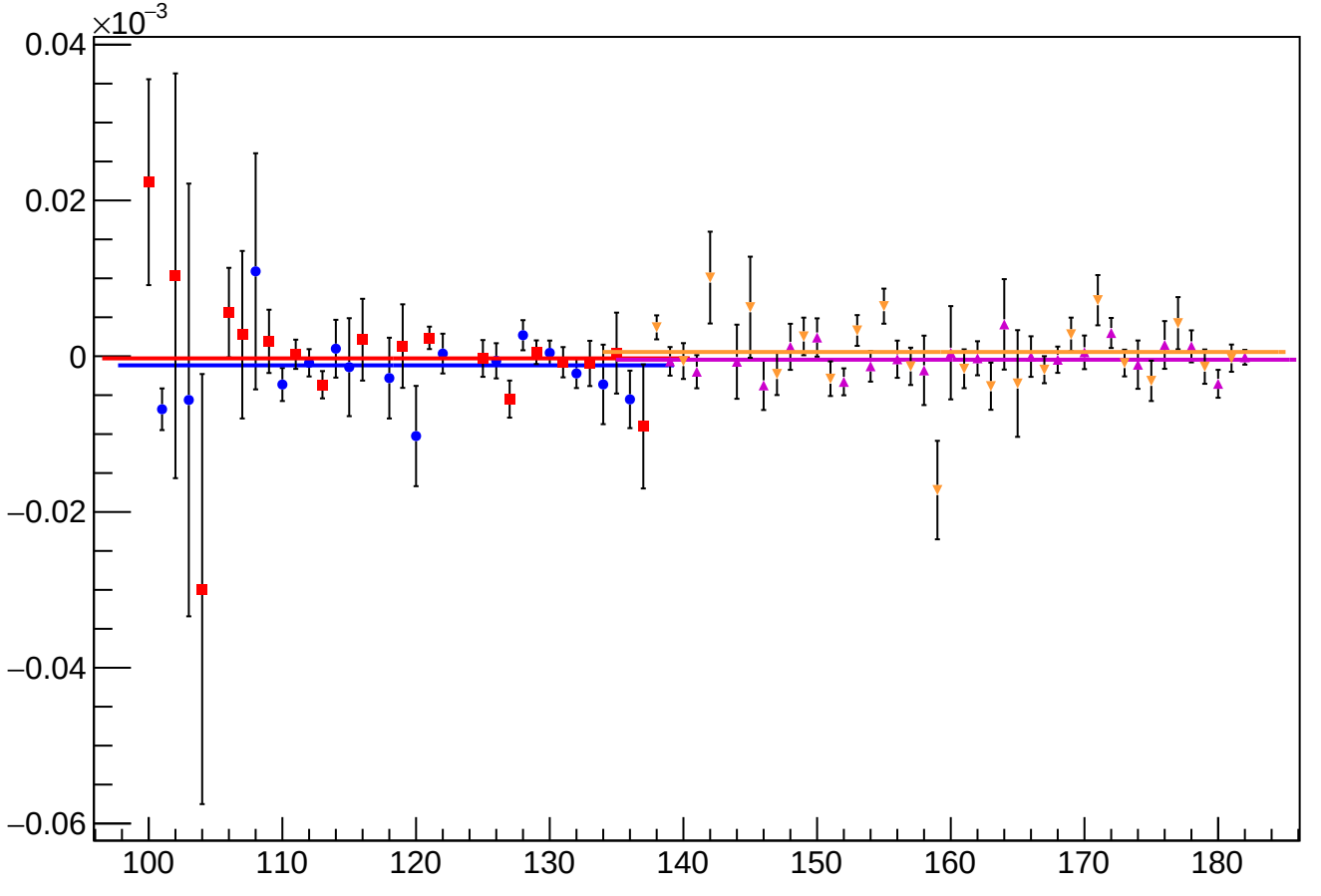
Left: 58.593+/-0.008 χ^2/NDF: 3532185.8/43

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.538+/-0.010 χ^2/NDF:3740374.6/37

Out: 60.271+/-0.010 χ^2/NDF:5451500.7/39

All: 60.917+/-0.007 χ^2/NDF: 9200071.7/77



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:14.5/21

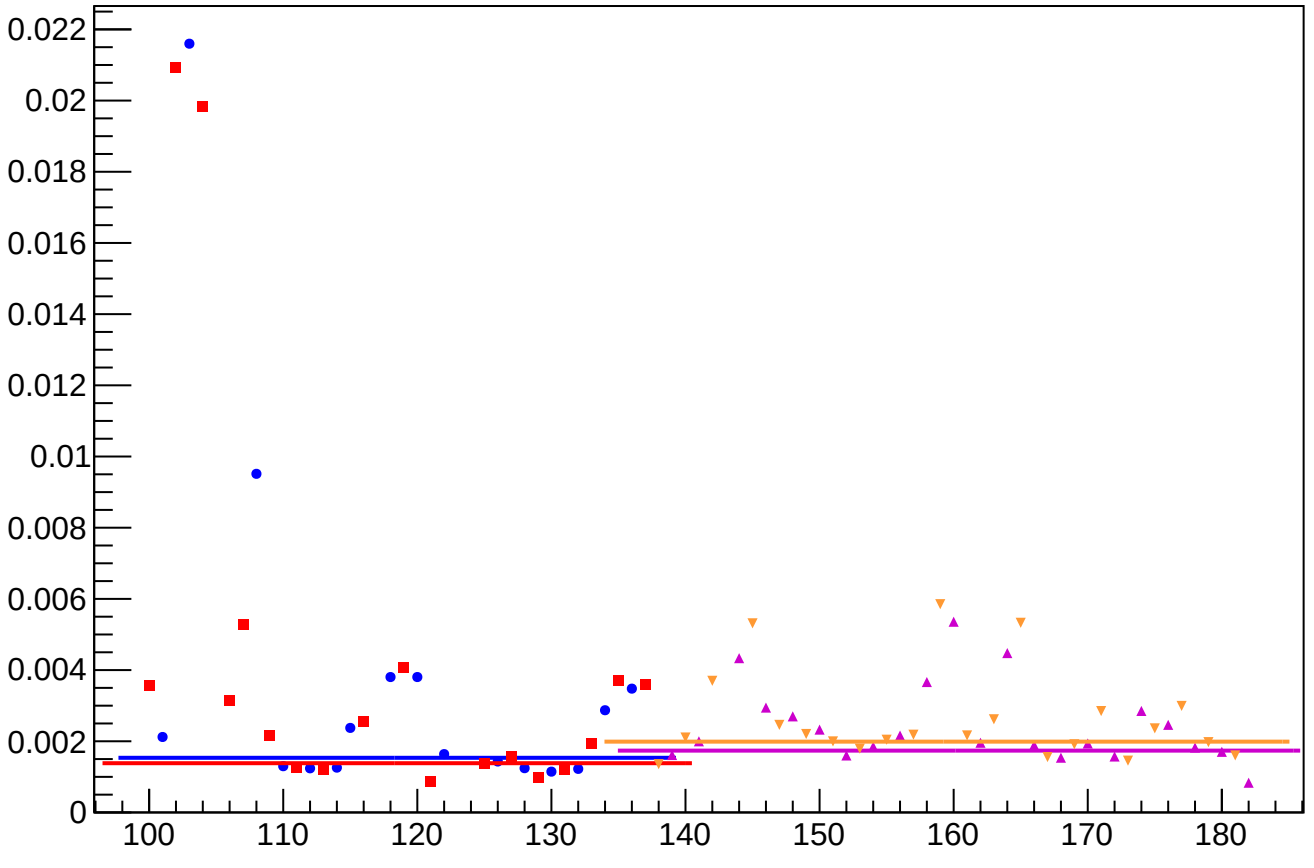
Left: -0.000+/-0.000 χ^2/NDF: 61.0/43

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:31.6/37

Out: 0.000+/-0.000 χ^2/NDF:65.0/39

All: -0.000+/-0.000 χ^2/NDF: 99.3/77



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3245059.2/21

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:5157620.2/21

Left: 0.002+/-0.000 χ^2/NDF: 8678129.2/43

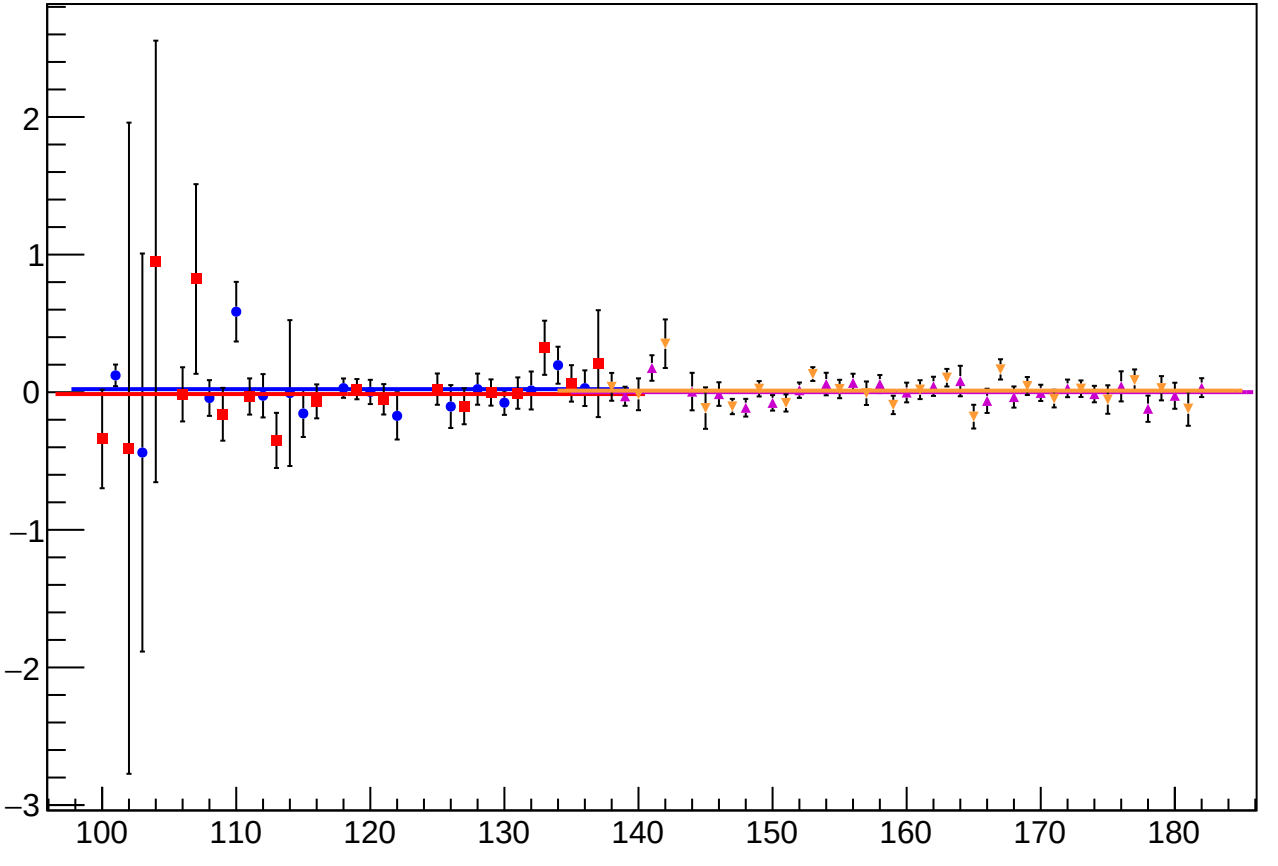
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:8657129.9/37

Out: 0.002+/-0.000 χ^2/NDF:8629096.5/39

All: 0.002+/-0.000 χ^2/NDF: 17328335.8/77

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: 0.012+/-0.016 χ^2/NDF:34.3/21

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.000+/-0.016 χ^2/NDF:15.1/21

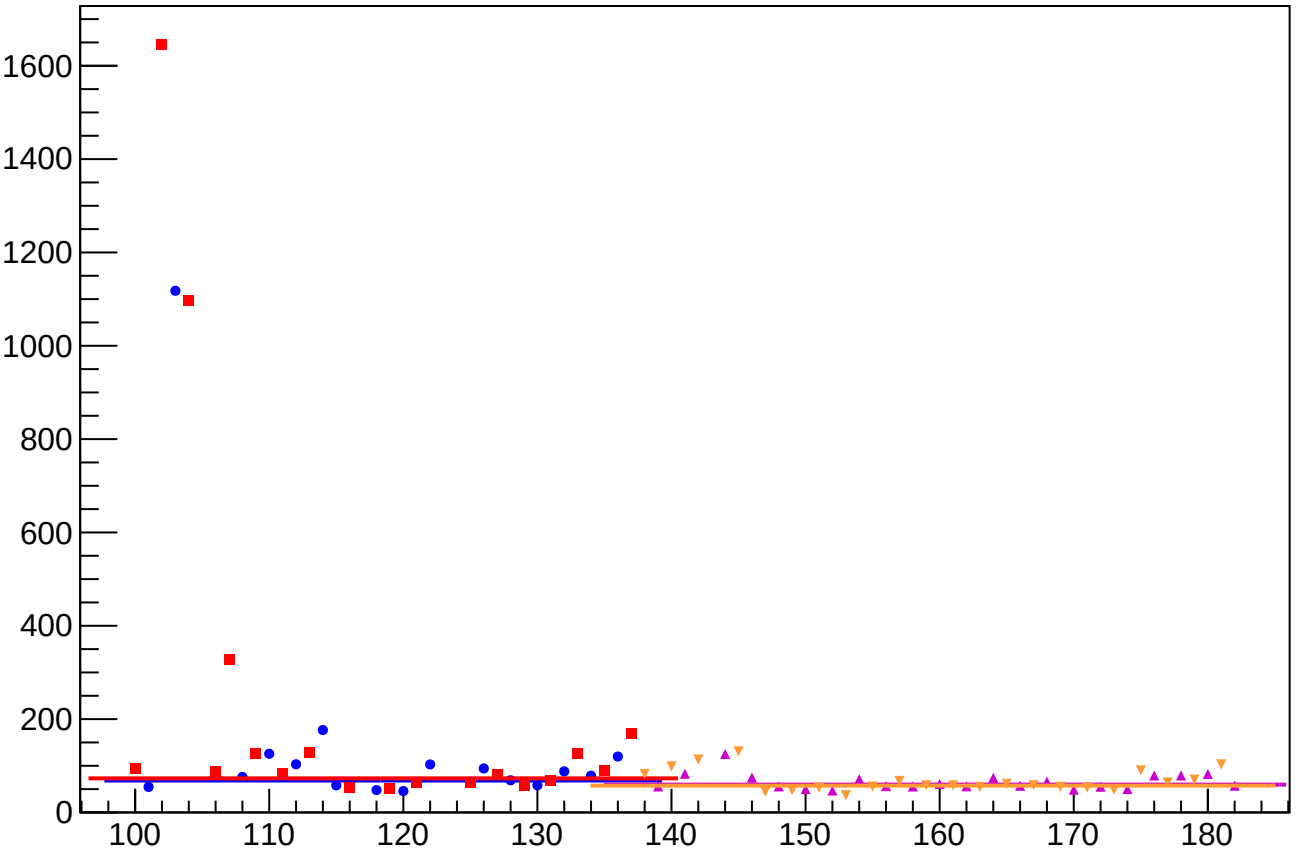
Left: 0.006+/-0.011 χ^2/NDF: 49.7/43

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.4/37

Out: 0.007+/-0.014 χ^2/NDF:45.5/39

All: 0.006+/-0.010 χ^2/NDF: 75.9/77



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 57.494+/-0.011 χ^2/NDF:2182551.8/21

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.693+/-0.011 χ^2/NDF:1329808.3/21

Left: 58.593+/-0.008 χ^2/NDF: 3532247.3/43

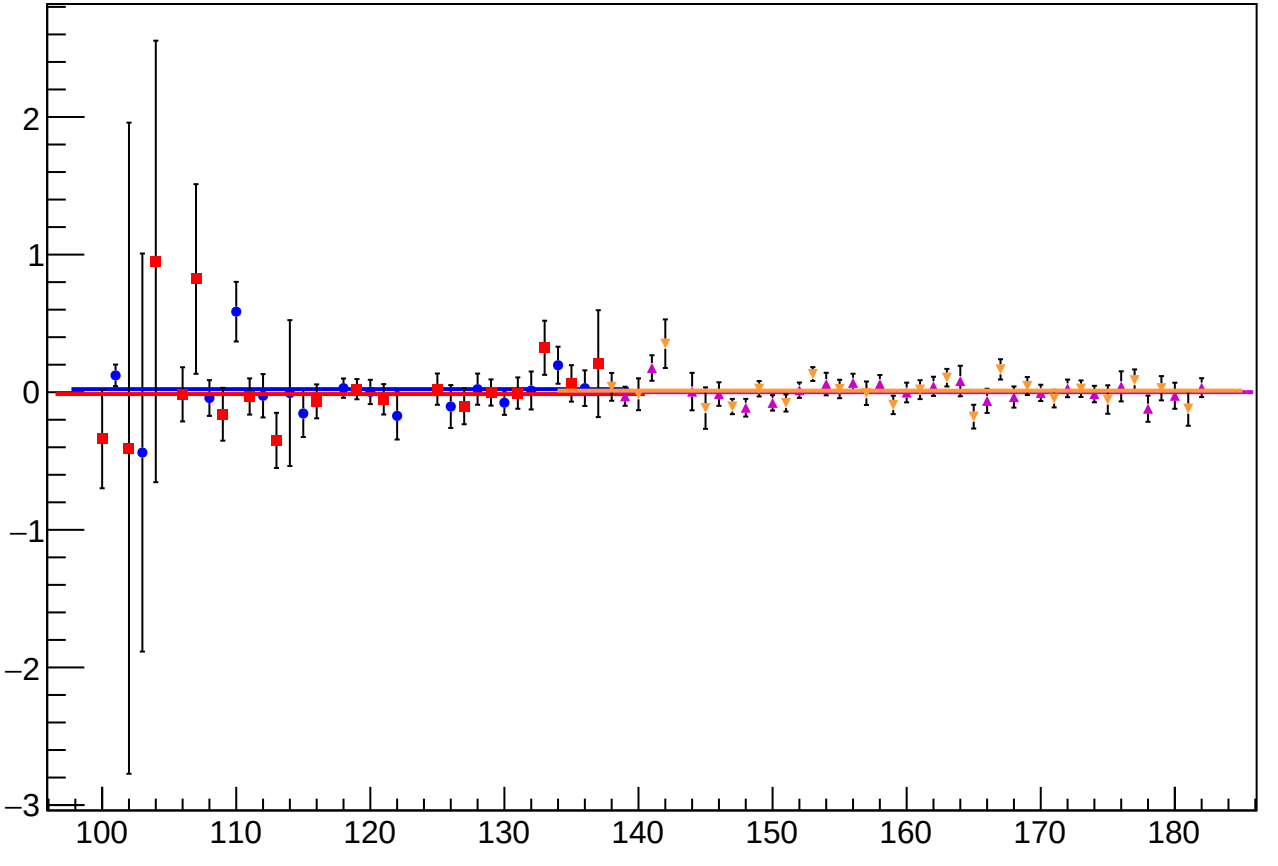
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.538+/-0.010 χ^2/NDF:3740410.8/37

Out: 60.271+/-0.010 χ^2/NDF:5451566.0/39

All: 60.917+/-0.007 χ^2/NDF: 9200173.3/77

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: 0.012+/-0.016 χ^2/NDF:34.3/21

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.000+/-0.016 χ^2/NDF:15.1/21

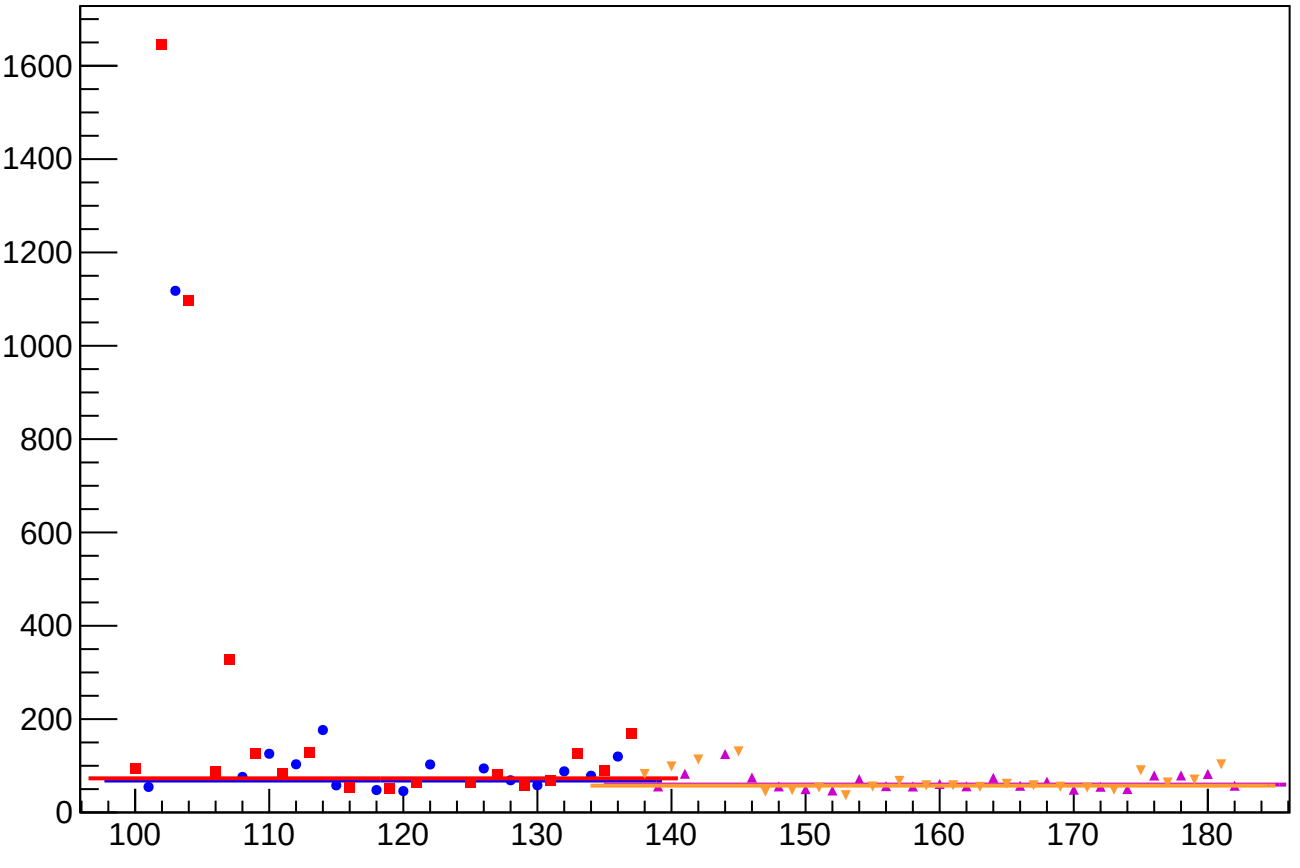
Left: 0.006+/-0.011 χ^2/NDF: 49.7/43

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.4/37

Out: 0.007+/-0.014 χ^2/NDF:45.5/39

All: 0.006+/-0.010 χ^2/NDF: 75.9/77



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 57.494+/-0.011 χ^2/NDF:2182551.8/21

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.693+/-0.011 χ^2/NDF:1329808.3/21

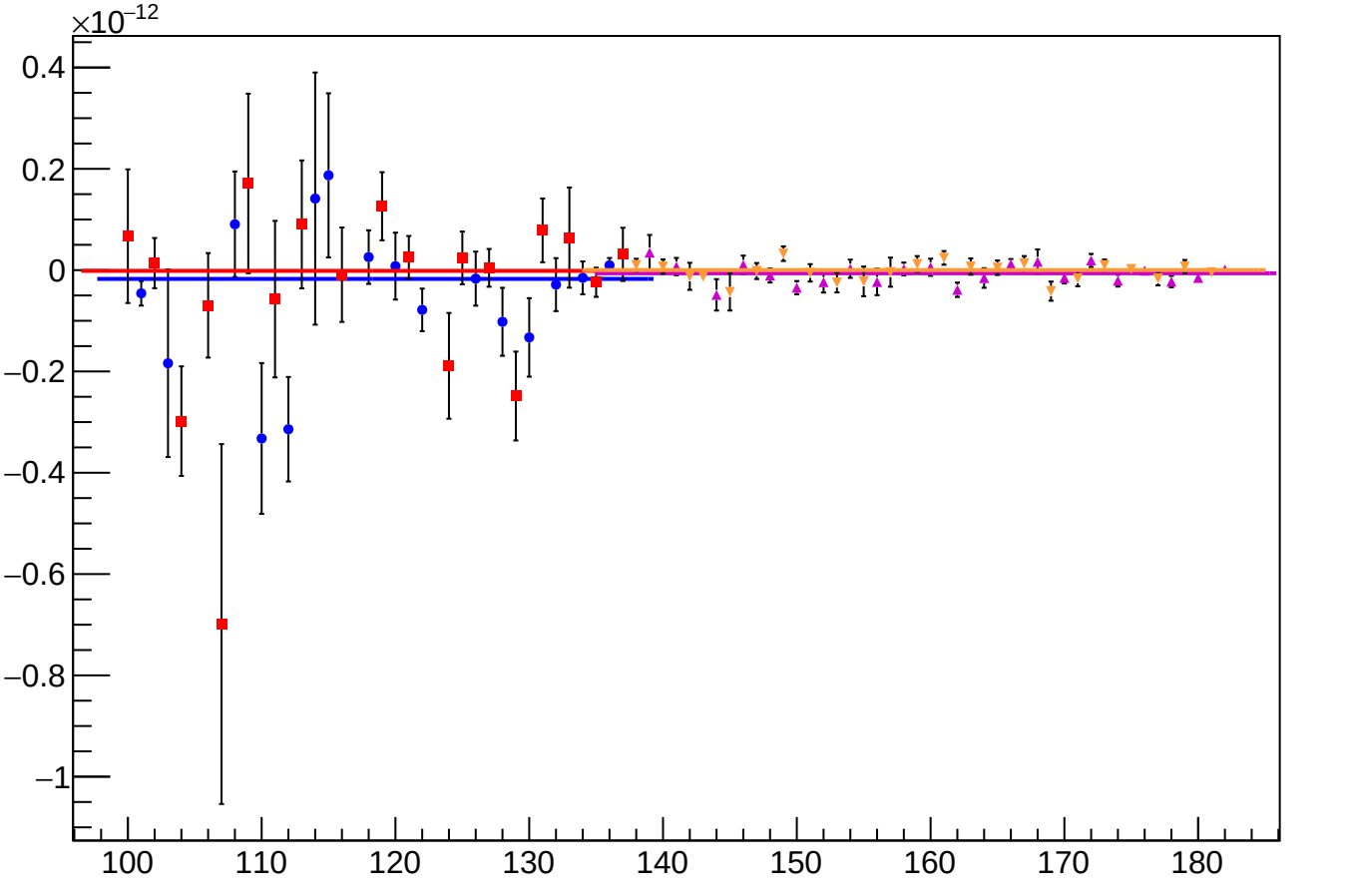
Left: 58.593+/-0.008 χ^2/NDF: 3532247.3/43

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.538+/-0.010 χ^2/NDF:3740410.8/37

Out: 60.271+/-0.010 χ^2/NDF:5451566.0/39

All: 60.917+/-0.007 χ^2/NDF: 9200173.3/77



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:32.4/21

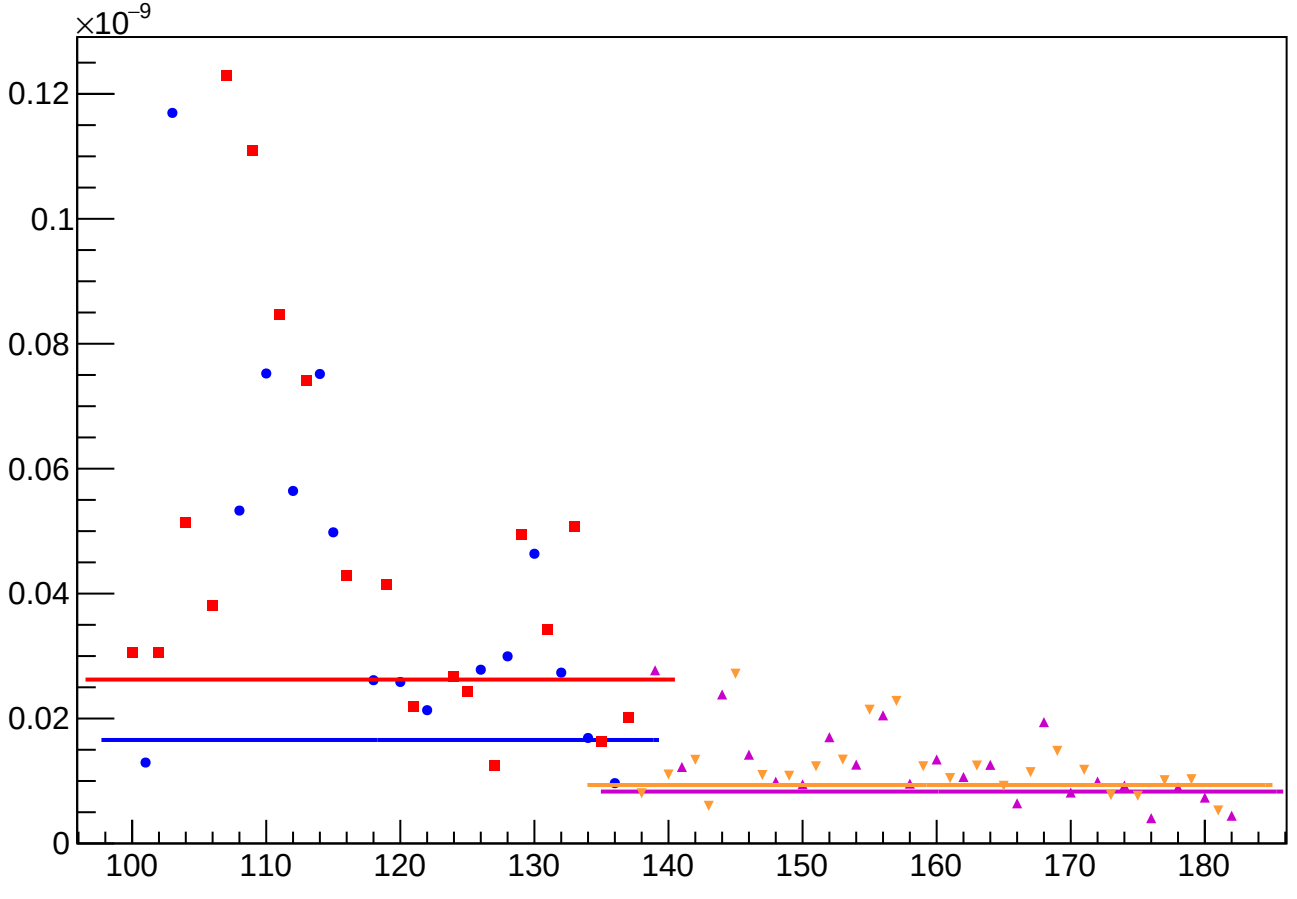
Left: -0.000+/-0.000 χ^2/NDF: 60.4/44

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:61.9/37

Out: 0.000+/-0.000 χ^2/NDF:57.6/41

All: -0.000+/-0.000 χ^2/NDF: 122.8/79



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:3033173.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:4816142.8/21

Left: 0.000+/-0.000 χ^2/NDF: 7997394.4/44

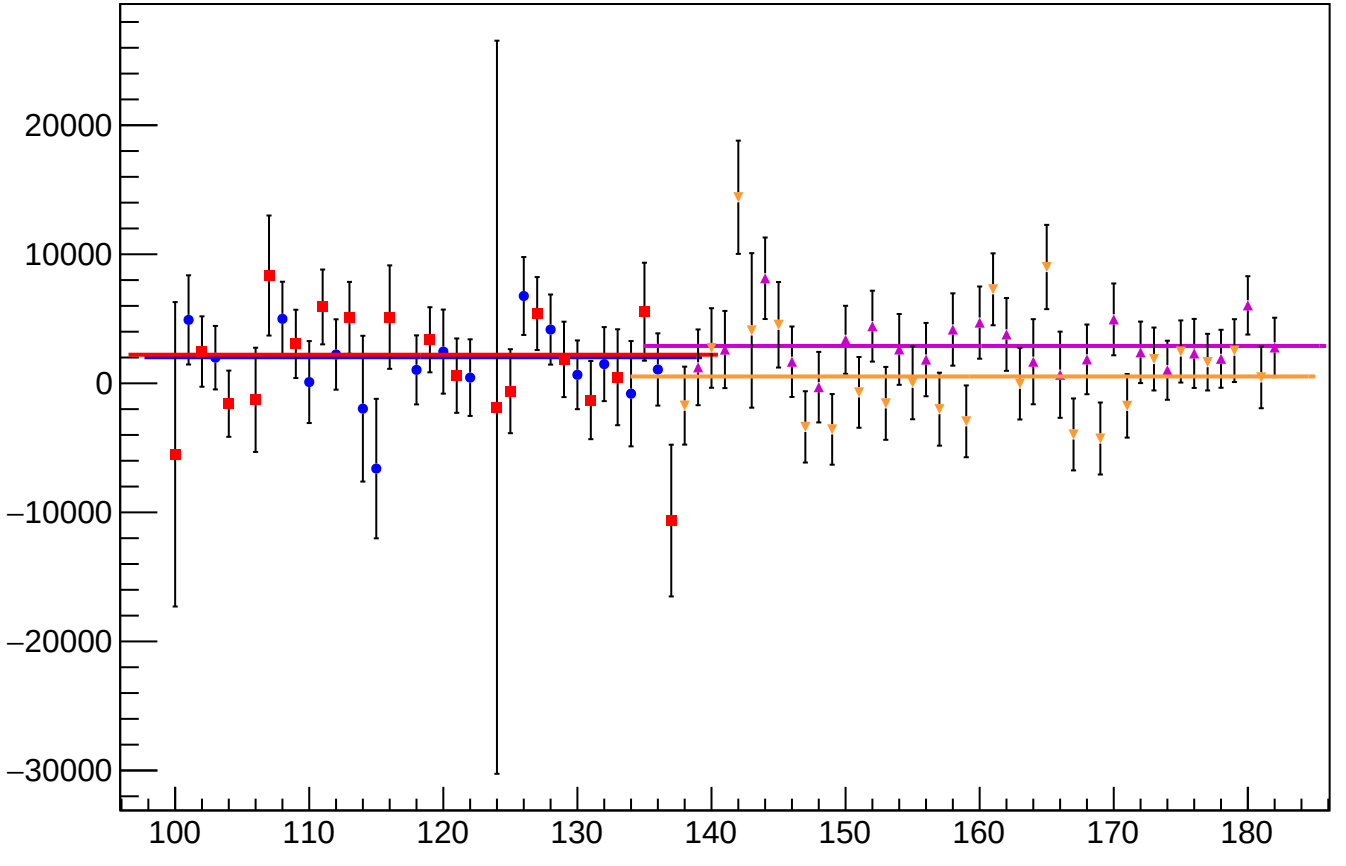
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:8918472.7/37

Out: 0.000+/-0.000 χ^2/NDF:8073938.9/41

All: 0.000+/-0.000 χ^2/NDF: 17181483.4/79

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 531.259+/-581.859 χ^2/NDF:41.3/22

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2896.195+/-572.895 χ^2/NDF:10.0/21

Left: 1732.084+/-408.230 χ^2/NDF: 59.7/44

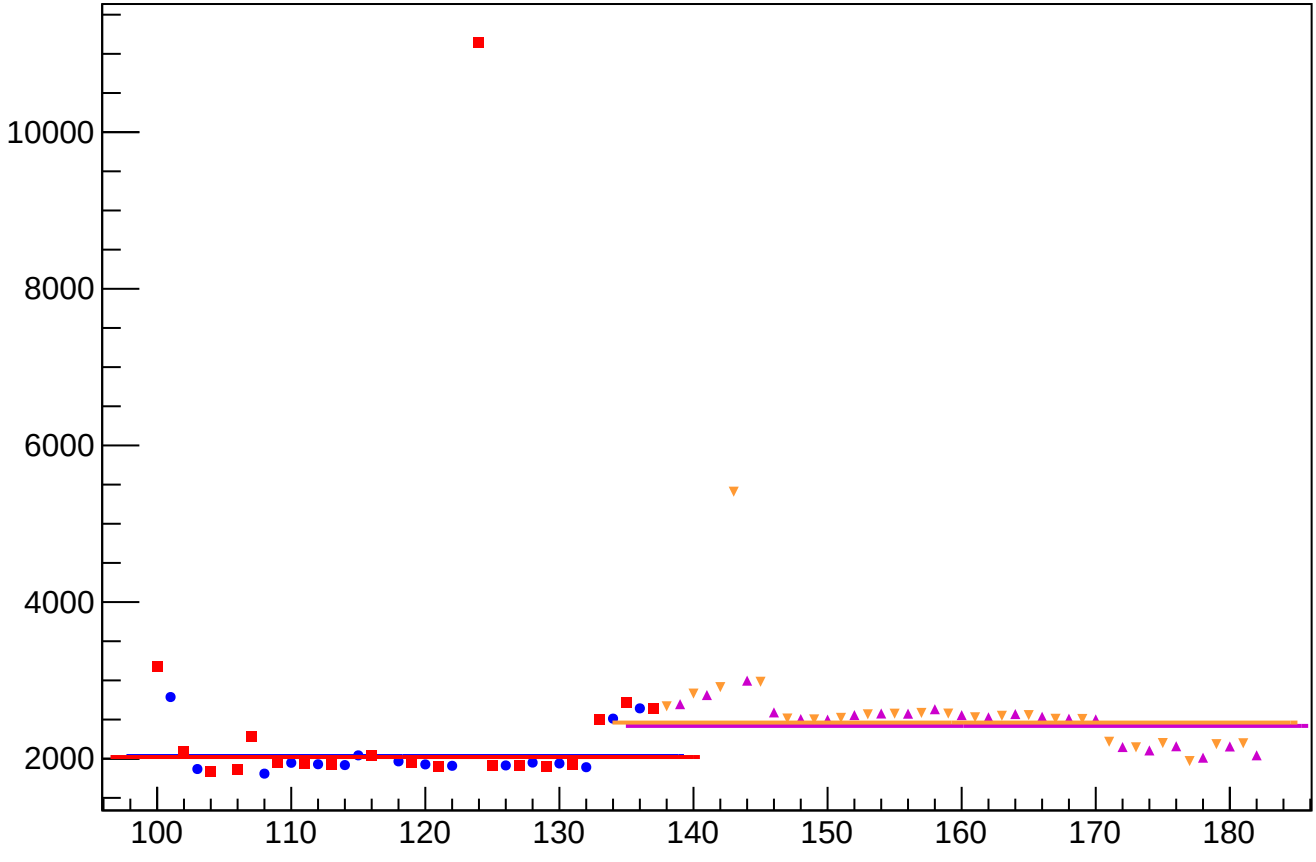
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2581.995+/-458.423 χ^2/NDF:20.5/37

Out: 1158.314+/-461.132 χ^2/NDF:62.5/41

All: 1874.349+/-325.108 χ^2/NDF: 87.8/79

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2461.425+/-0.411 χ^2/NDF:842414.9/22

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2418.922+/-0.405 χ^2/NDF:406628.2/21

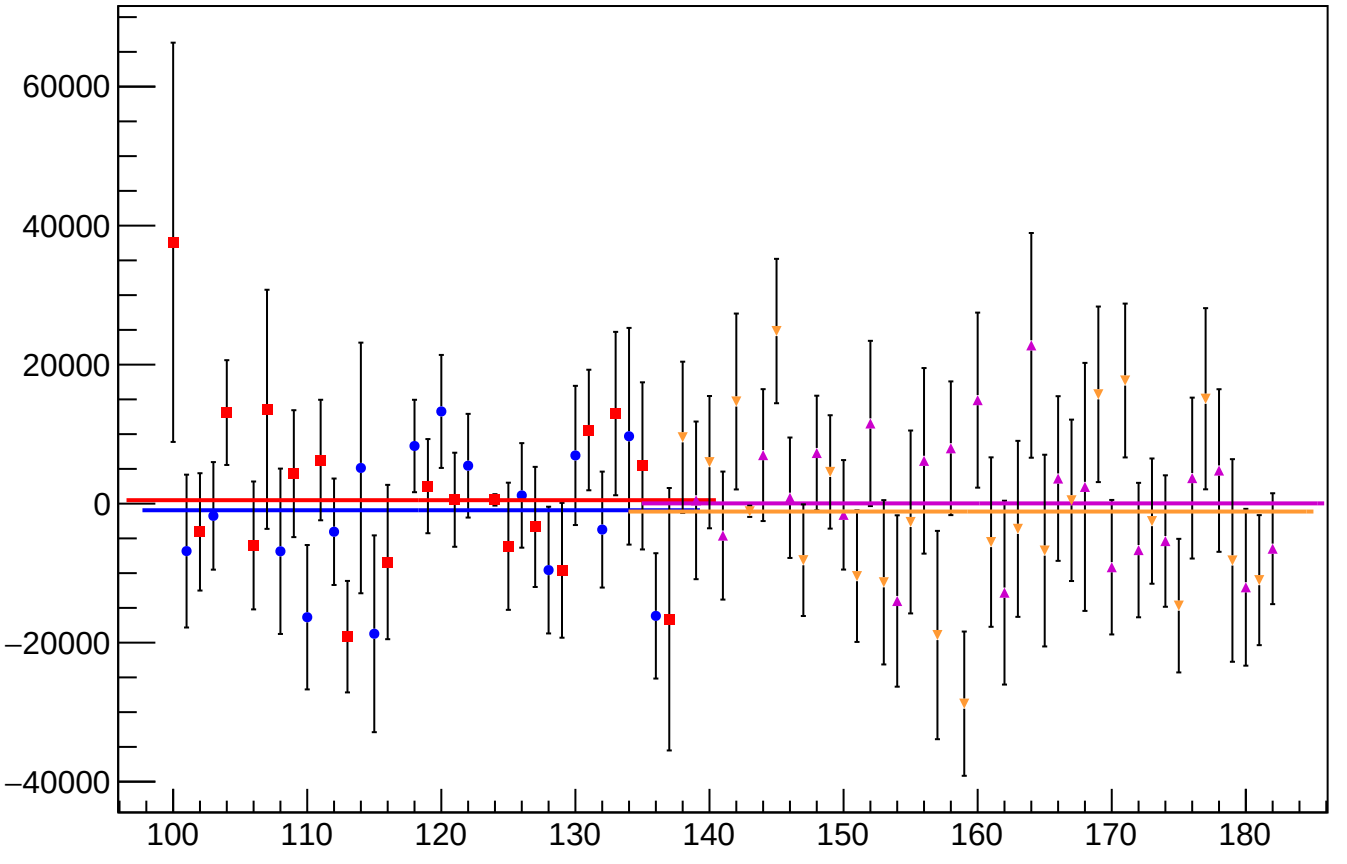
Left: 2439.843+/-0.289 χ^2/NDF: 1254461.7/44

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2280.523+/-0.324 χ^2/NDF:994084.0/37

Out: 2297.825+/-0.326 χ^2/NDF:1657855.4/41

All: 2289.123+/-0.230 χ^2/NDF: 2653355.5/79



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1137.388+/-761.711 χ^2/NDF:30.7/22

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 37.794+/-2225.488 χ^2/NDF:12.9/21

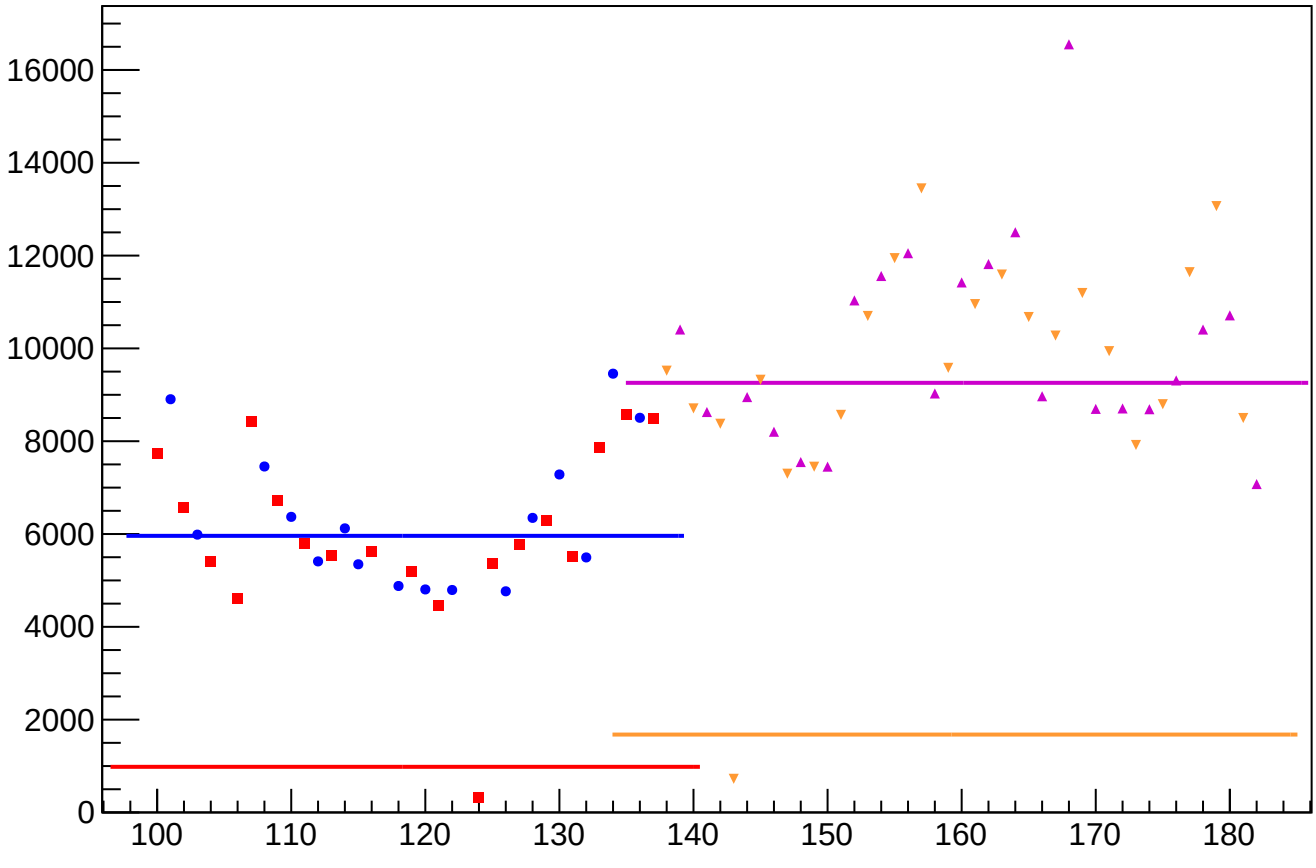
Left: -1014.155+/-720.668 χ^2/NDF: 43.9/44

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: -444.725+/-1592.080 χ^2/NDF:28.4/37

Out: -327.046+/-540.921 χ^2/NDF:51.5/41

All: -339.224+/-512.167 χ^2/NDF: 79.9/79



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1678.422+/-0.539 χ^2/NDF:26471710.6/22

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9258.144+/-1.574 χ^2/NDF:1228088.3/21

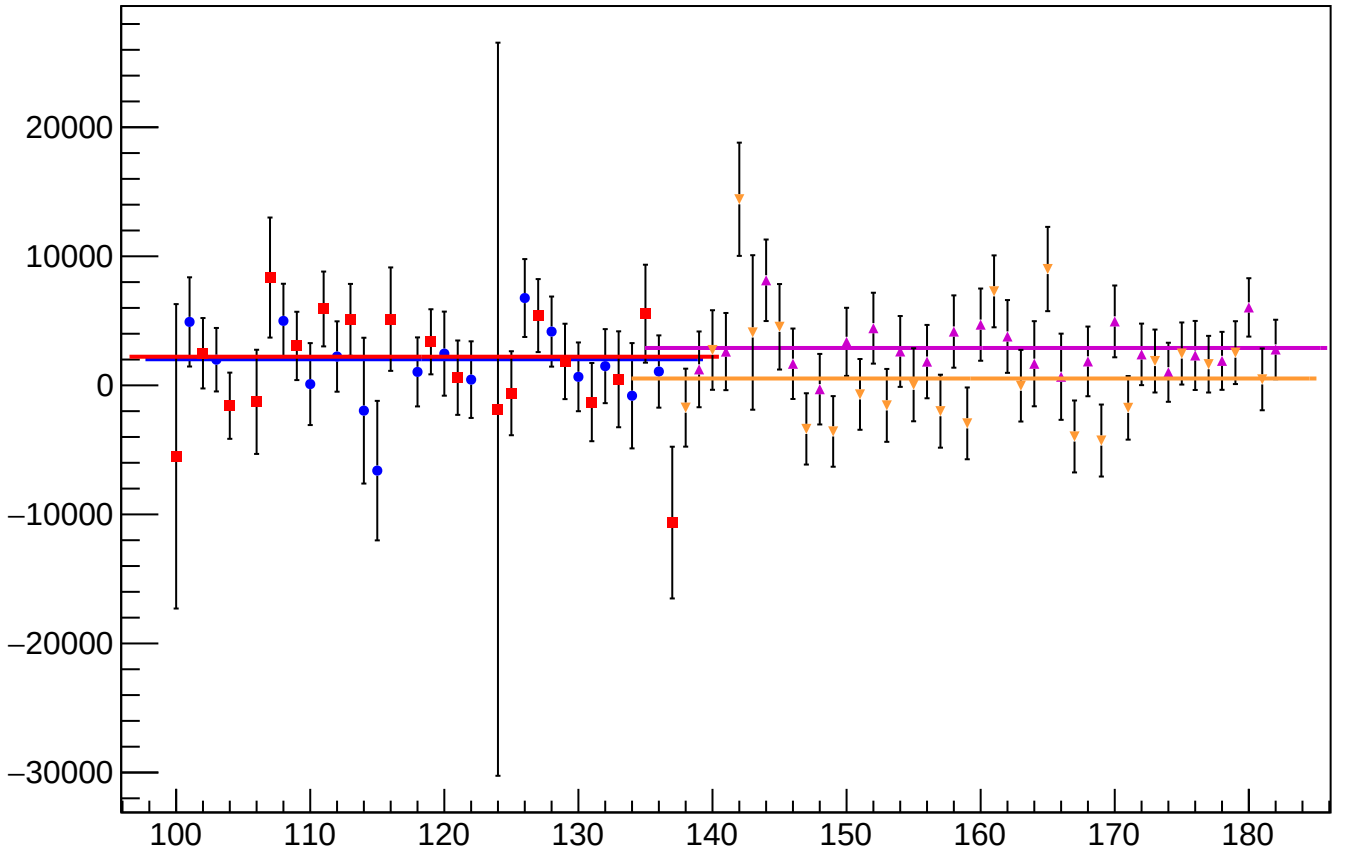
Left: 2473.251+/-0.510 χ^2/NDF: 48466902.1/44

Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7648.301+/-1.126 χ^2/NDF:4060875.0/37

Out: 1333.856+/-0.382 χ^2/NDF:38714005.1/41

All: 1987.331+/-0.362 χ^2/NDF: 70979882.5/7



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 531.245+/-581.859 χ^2/NDF:41.3/22

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2896.142+/-572.895 χ^2/NDF:10.0/21

Left: 1732.050+/-408.230 χ^2/NDF: 59.7/44

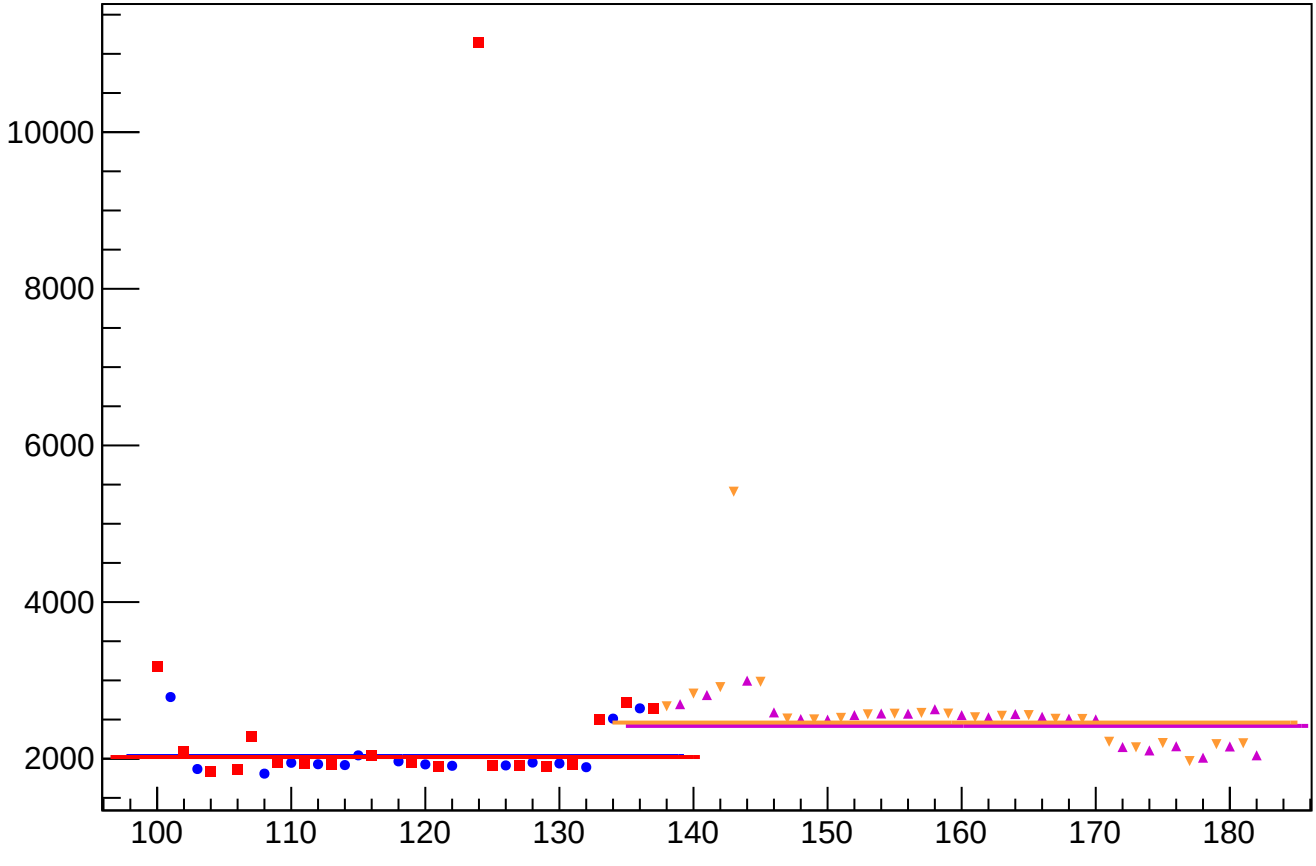
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2582.006+/-458.423 χ^2/NDF:20.5/37

Out: 1158.981+/-461.134 χ^2/NDF:62.5/41

All: 1874.689+/-325.108 χ^2/NDF: 87.8/79

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2461.425+/-0.411 χ^2/NDF:842414.9/22

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2418.922+/-0.405 χ^2/NDF:406628.2/21

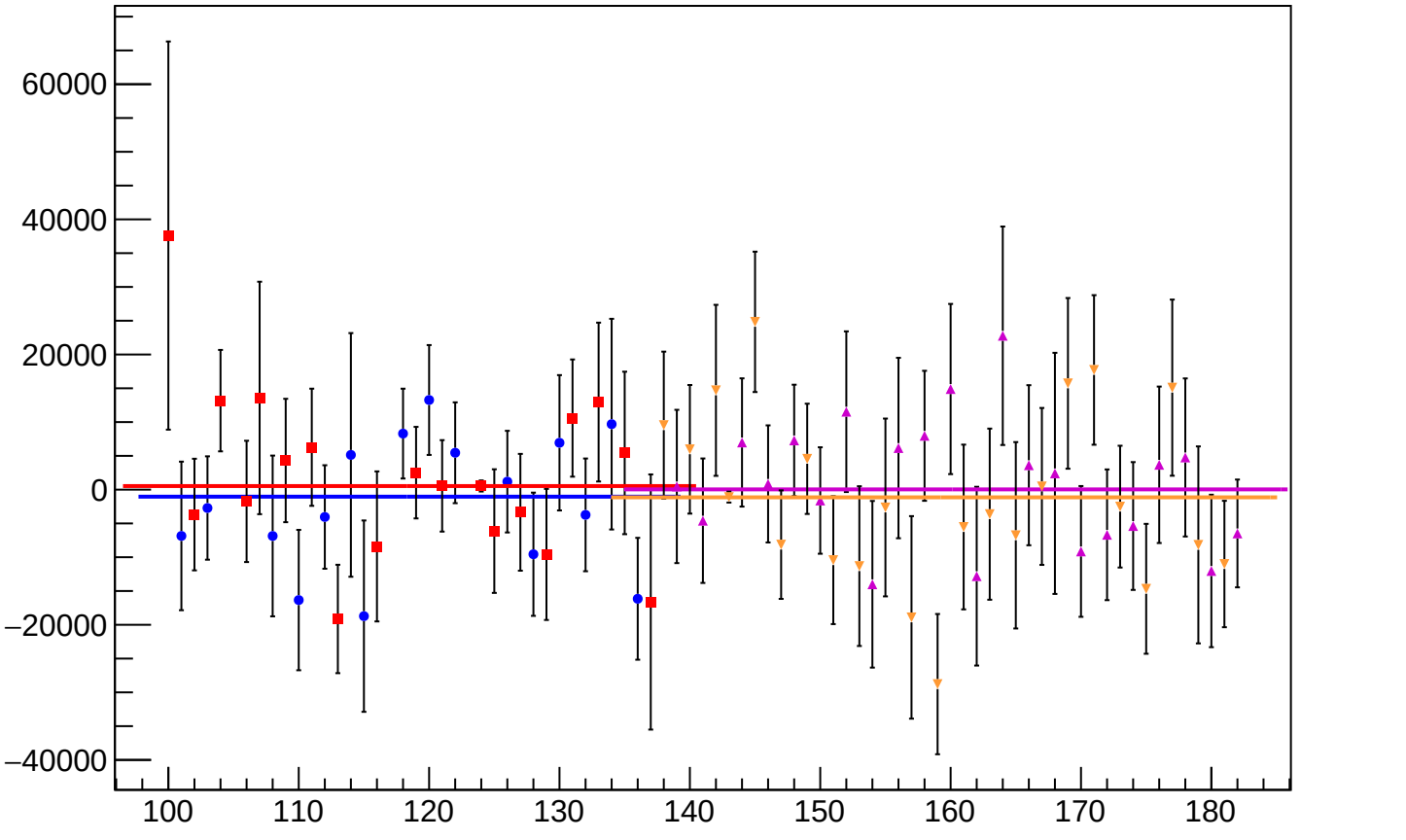
Left: 2439.844+/-0.289 χ^2/NDF: 1254461.6/44

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2280.523+/-0.324 χ^2/NDF:994084.1/37

Out: 2297.835+/-0.326 χ^2/NDF:1657820.1/41

All: 2289.128+/-0.230 χ^2/NDF: 2653322.0/79



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1137.151+/-761.646 χ^2/NDF:30.7/22

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 37.946+/-2225.485 χ^2/NDF:12.9/21

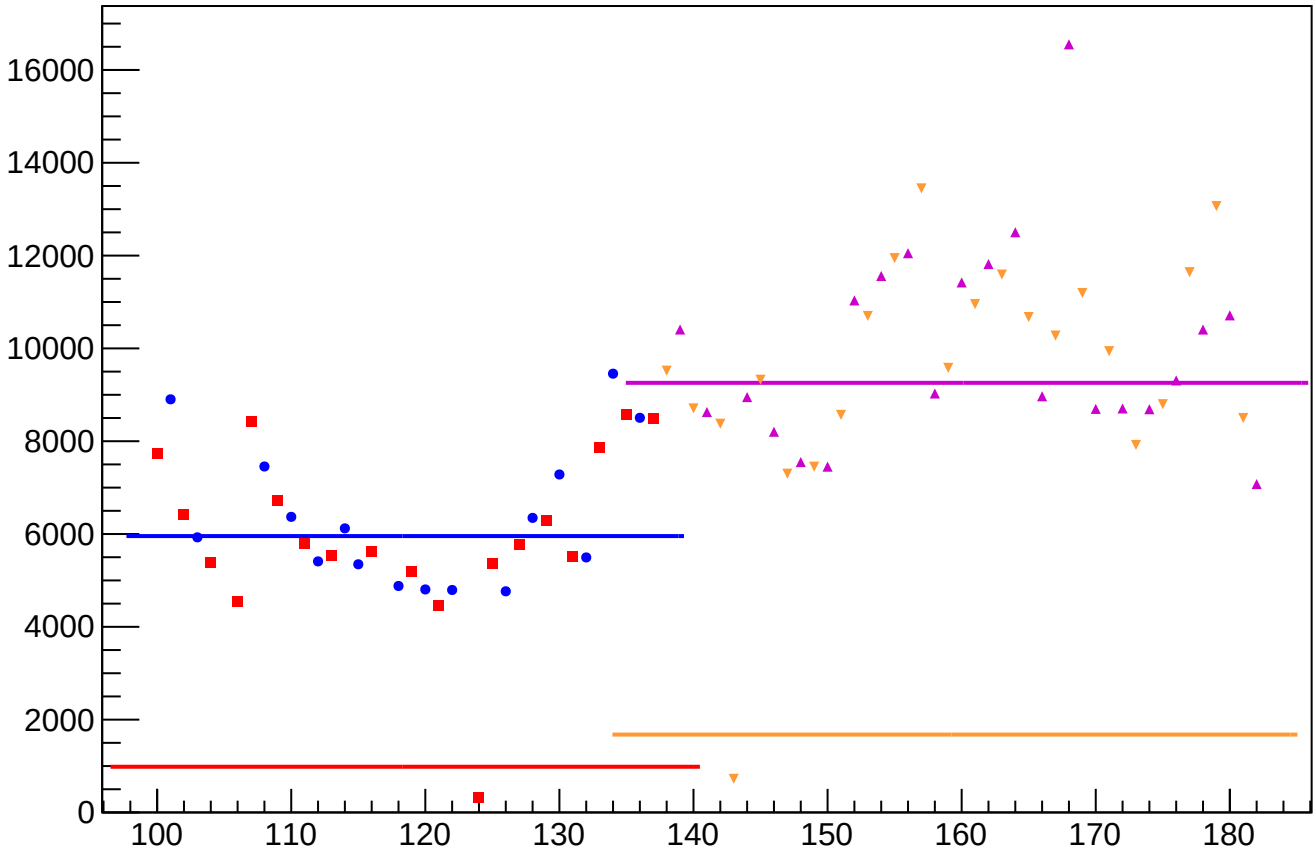
Left: -1013.947+/-720.612 χ^2/NDF: 43.9/44

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -487.884+/-1591.276 χ^2/NDF:28.4/37

Out: -310.116+/-540.779 χ^2/NDF:51.2/41

All: -328.521+/-512.020 χ^2/NDF: 79.6/79



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1678.196+/-0.539 χ^2/NDF:26472656.8/22

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9258.132+/-1.574 χ^2/NDF:1228099.0/21

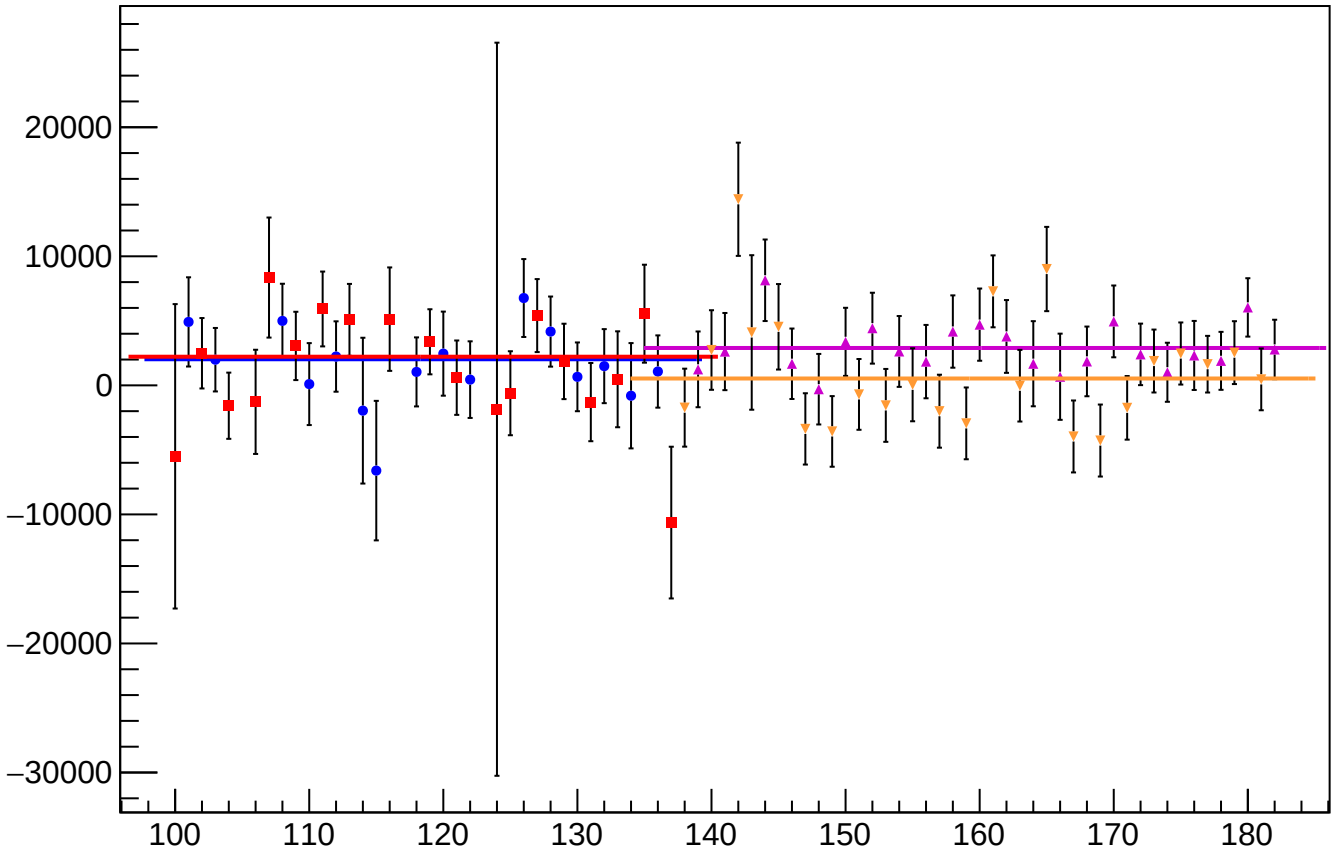
Left: 2472.926+/-0.510 χ^2/NDF: 48469448.0/44

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7644.071+/-1.125 χ^2/NDF:4069736.6/37

Out: 1334.476+/-0.382 χ^2/NDF:38706905.0/41

All: 1987.732+/-0.362 χ^2/NDF: 70965383.6/7



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 531.245+/-581.859 χ^2/NDF:41.3/22

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2896.142+/-572.895 χ^2/NDF:10.0/21

Left: 1732.050+/-408.230 χ^2/NDF: 59.7/44

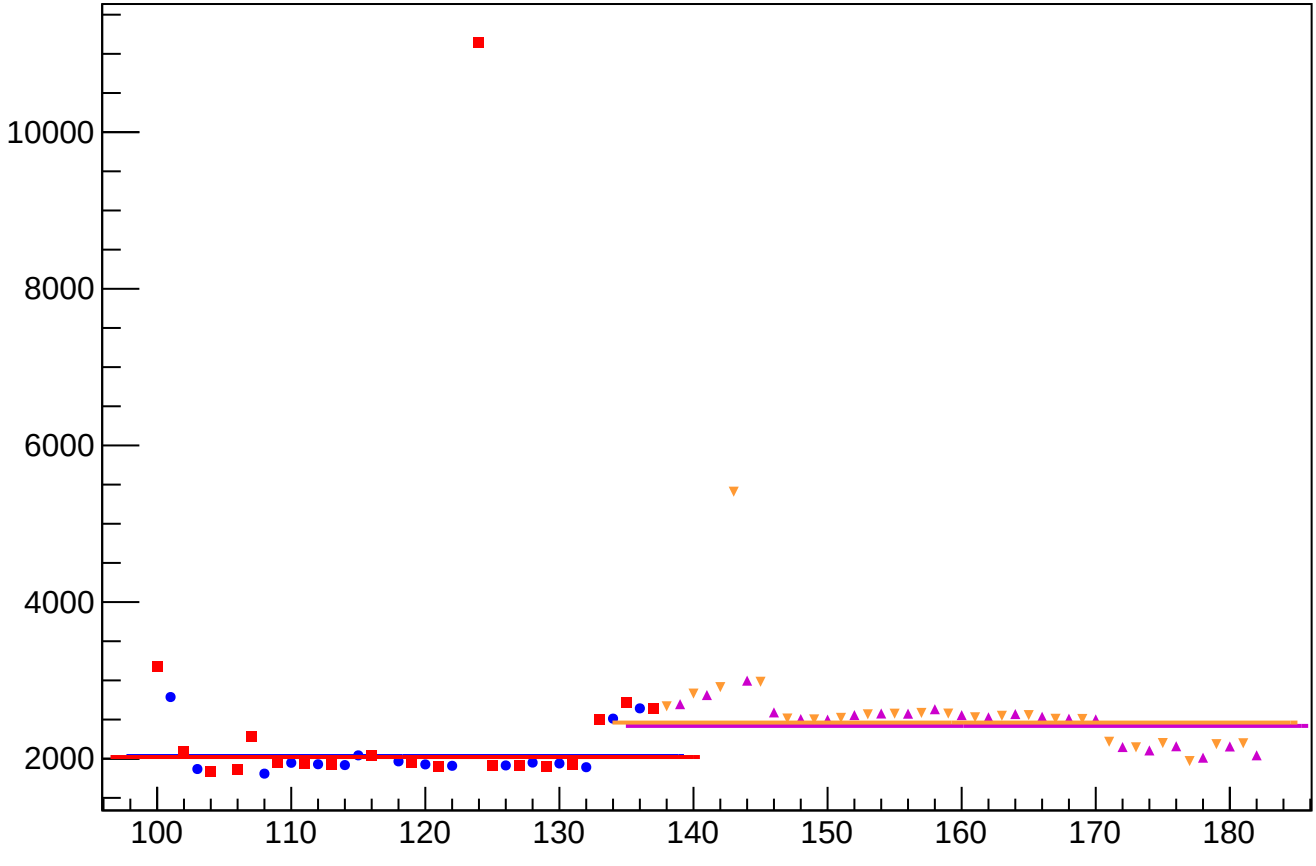
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2582.006+/-458.423 χ^2/NDF:20.5/37

Out: 1158.981+/-461.134 χ^2/NDF:62.5/41

All: 1874.689+/-325.108 χ^2/NDF: 87.8/79

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2461.425+/-0.411 χ^2/NDF:842414.9/22

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2418.922+/-0.405 χ^2/NDF:406628.2/21

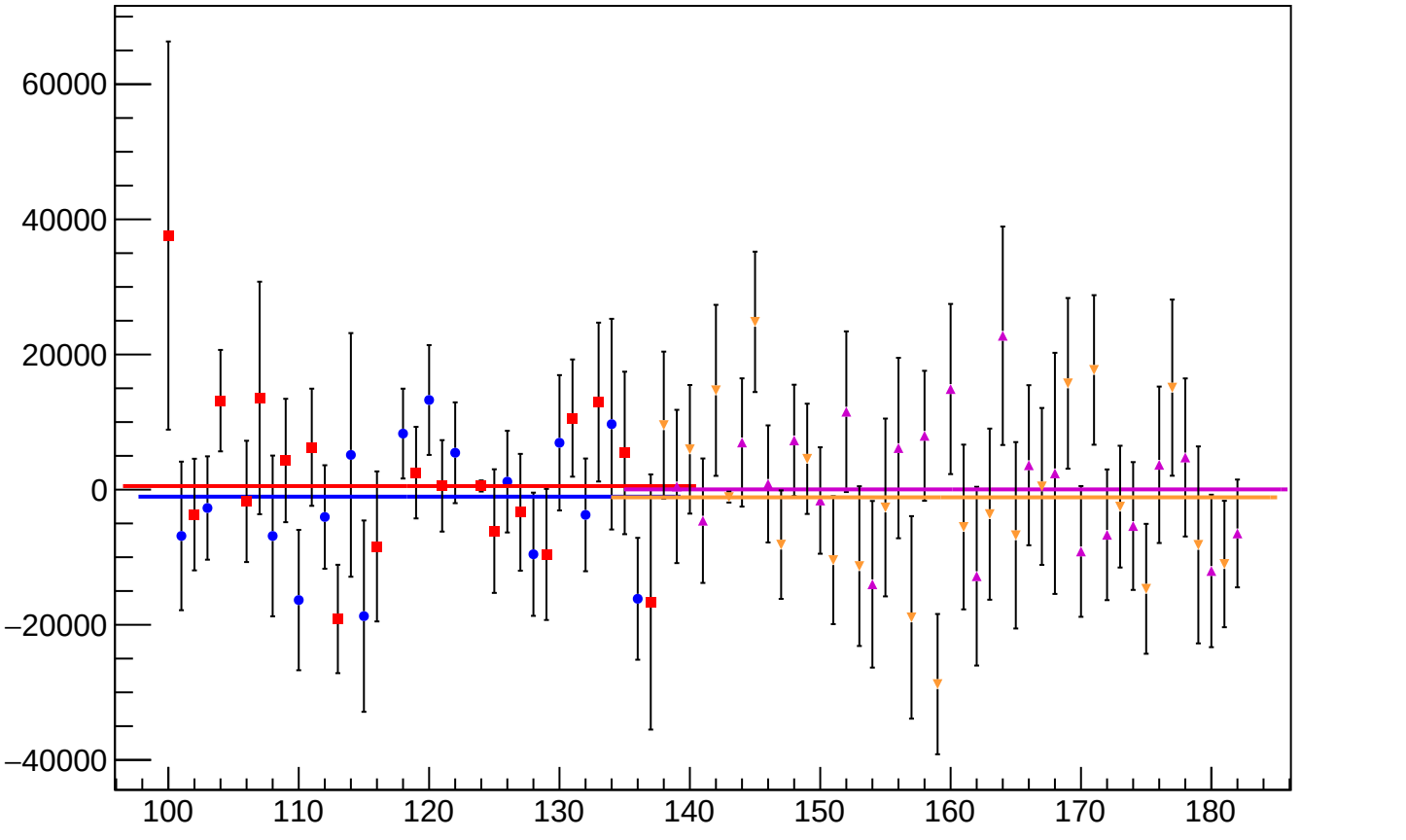
Left: 2439.844+/-0.289 χ^2/NDF: 1254461.6/44

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2280.523+/-0.324 χ^2/NDF:994084.1/37

Out: 2297.835+/-0.326 χ^2/NDF:1657820.1/41

All: 2289.128+/-0.230 χ^2/NDF: 2653322.0/79



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1137.151+/-761.646 χ^2/NDF:30.7/22

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 37.946+/-2225.485 χ^2/NDF:12.9/21

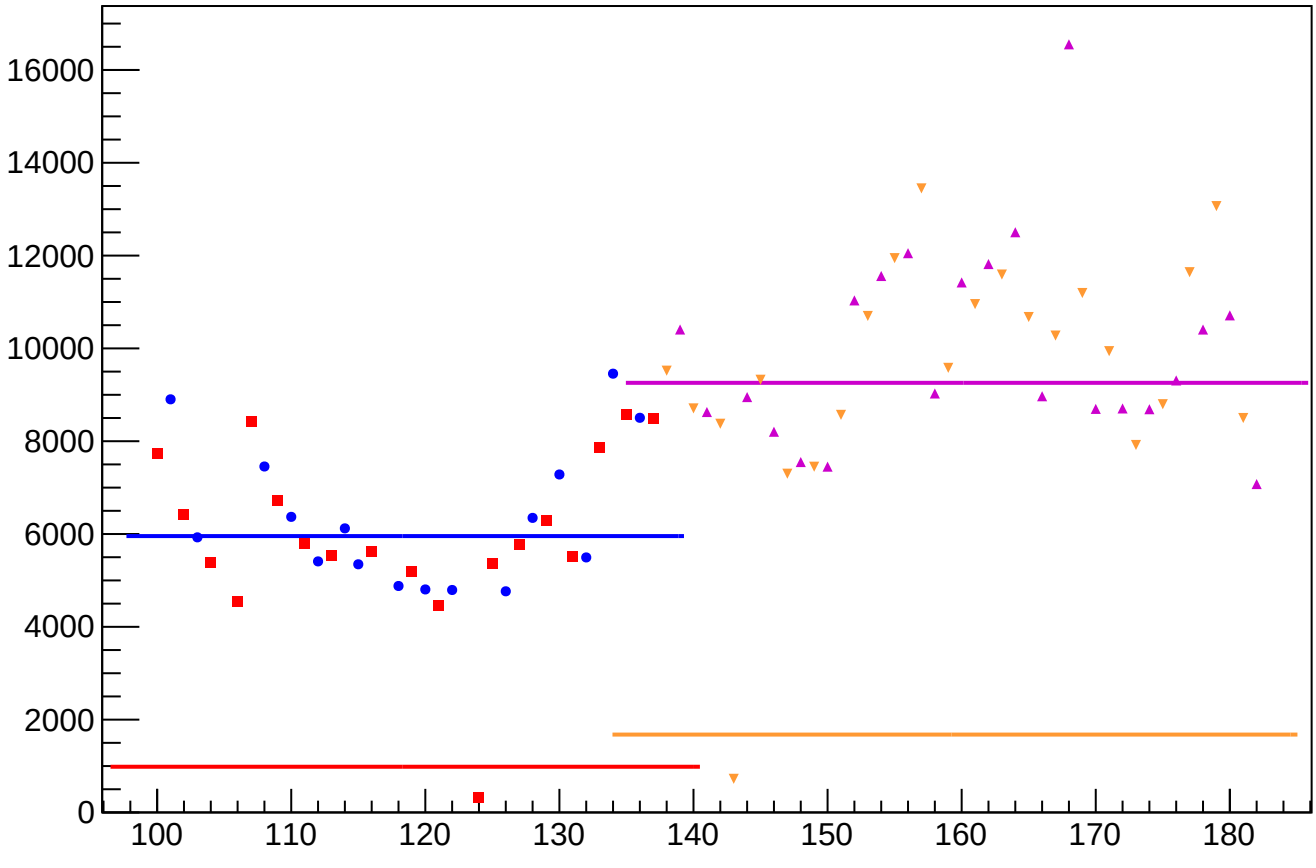
Left: -1013.947+/-720.612 χ^2/NDF: 43.9/44

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -487.884+/-1591.276 χ^2/NDF:28.4/37

Out: -310.116+/-540.779 χ^2/NDF:51.2/41

All: -328.521+/-512.020 χ^2/NDF: 79.6/79



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1678.196+/-0.539 χ^2/NDF:26472656.8/22

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9258.132+/-1.574 χ^2/NDF:1228099.0/21

Left: 2472.926+/-0.510 χ^2/NDF: 48469448.0/44

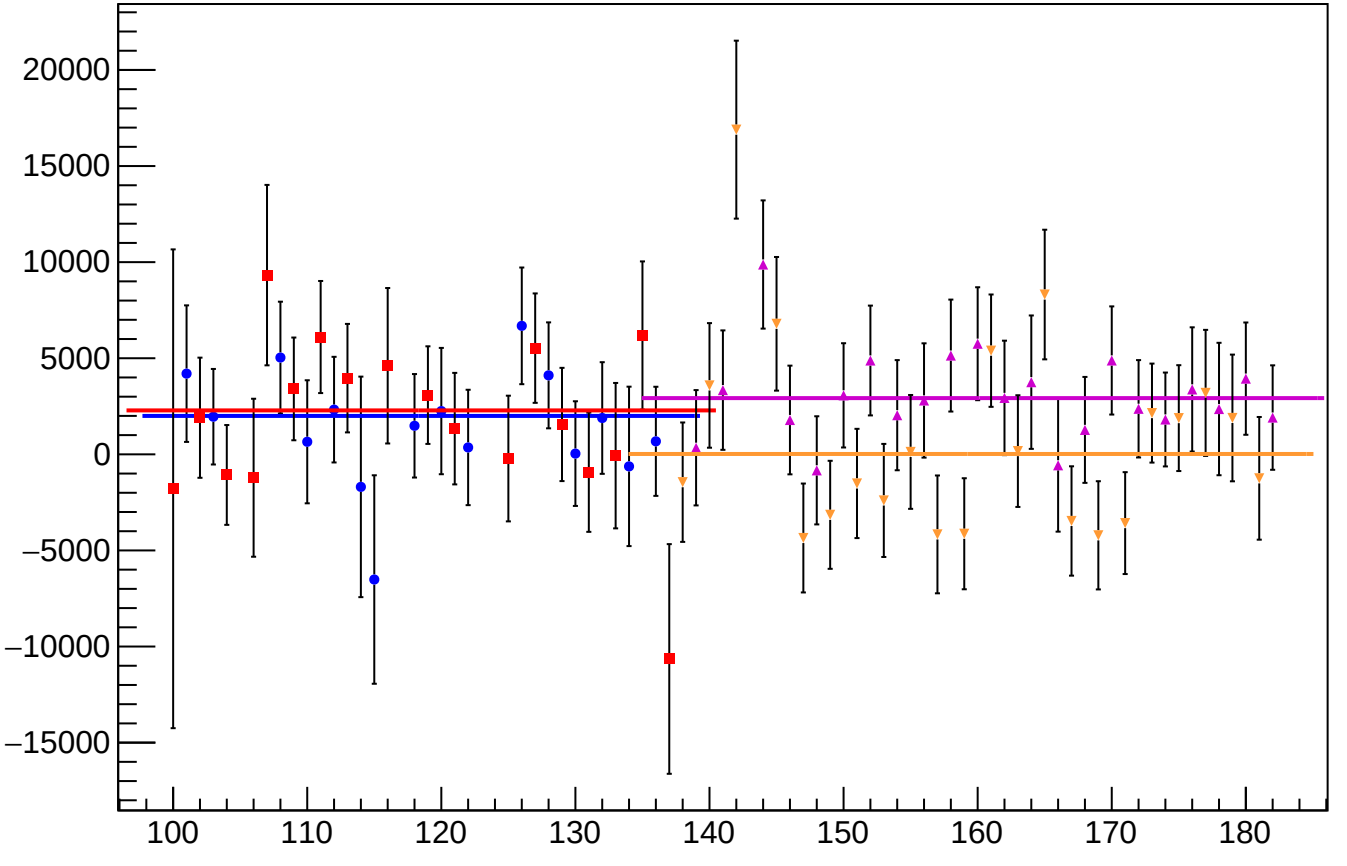
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7644.071+/-1.125 χ^2/NDF:4069736.6/37

Out: 1334.476+/-0.382 χ^2/NDF:38706905.0/41

All: 1987.732+/-0.362 χ^2/NDF: 70965383.6/7

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 18.867+/-640.162 χ^2/NDF:44.7/21

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 2925.633+/-622.958 χ^2/NDF:11.6/21

Left: 1511.833+/-446.456 χ^2/NDF: 66.9/43

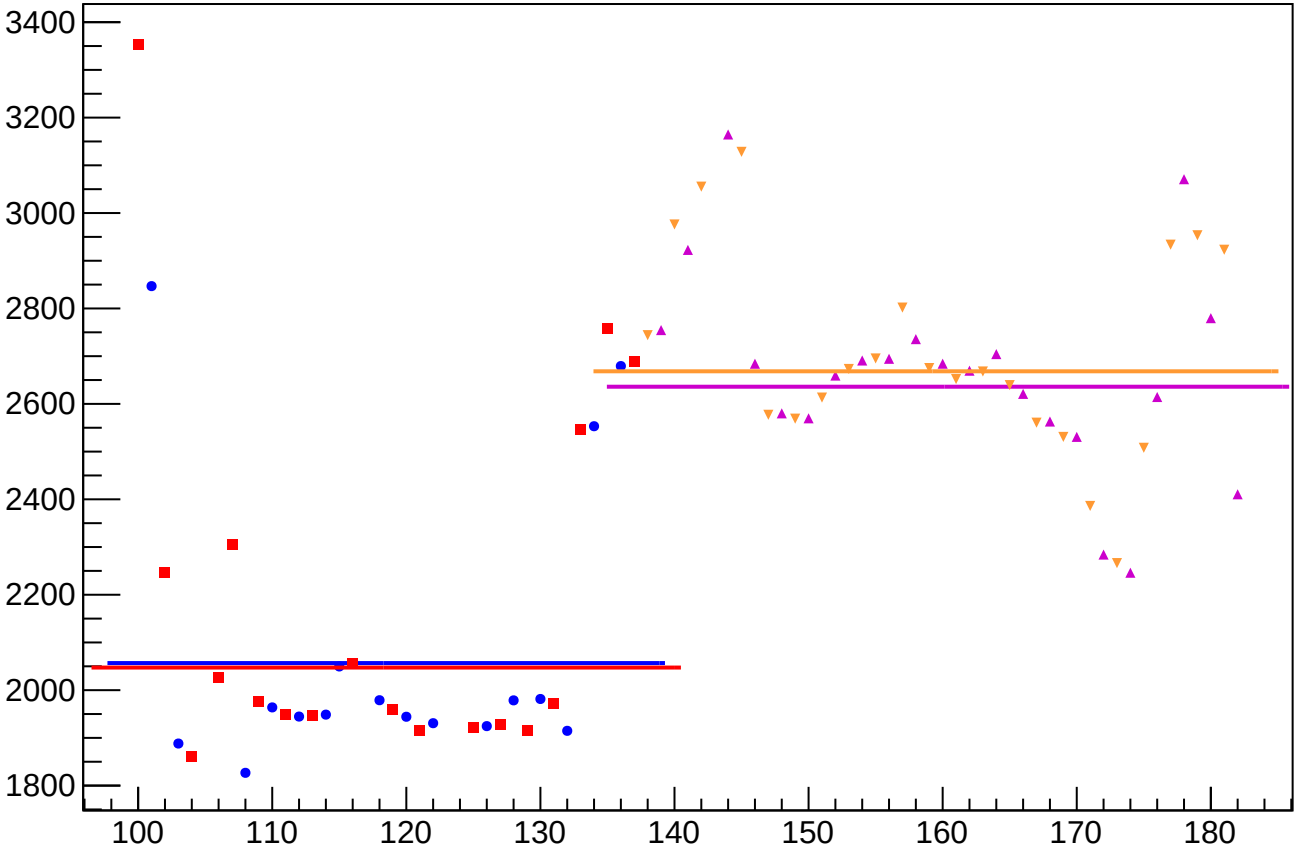
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2561.168+/-485.183 χ^2/NDF:21.5/37

Out: 943.560+/-492.598 χ^2/NDF:66.4/39

All: 1764.630+/-345.668 χ^2/NDF: 93.4/77

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2668.303+/-0.453 χ^2/NDF:204296.9/21

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2635.989+/-0.440 χ^2/NDF:222860.7/21

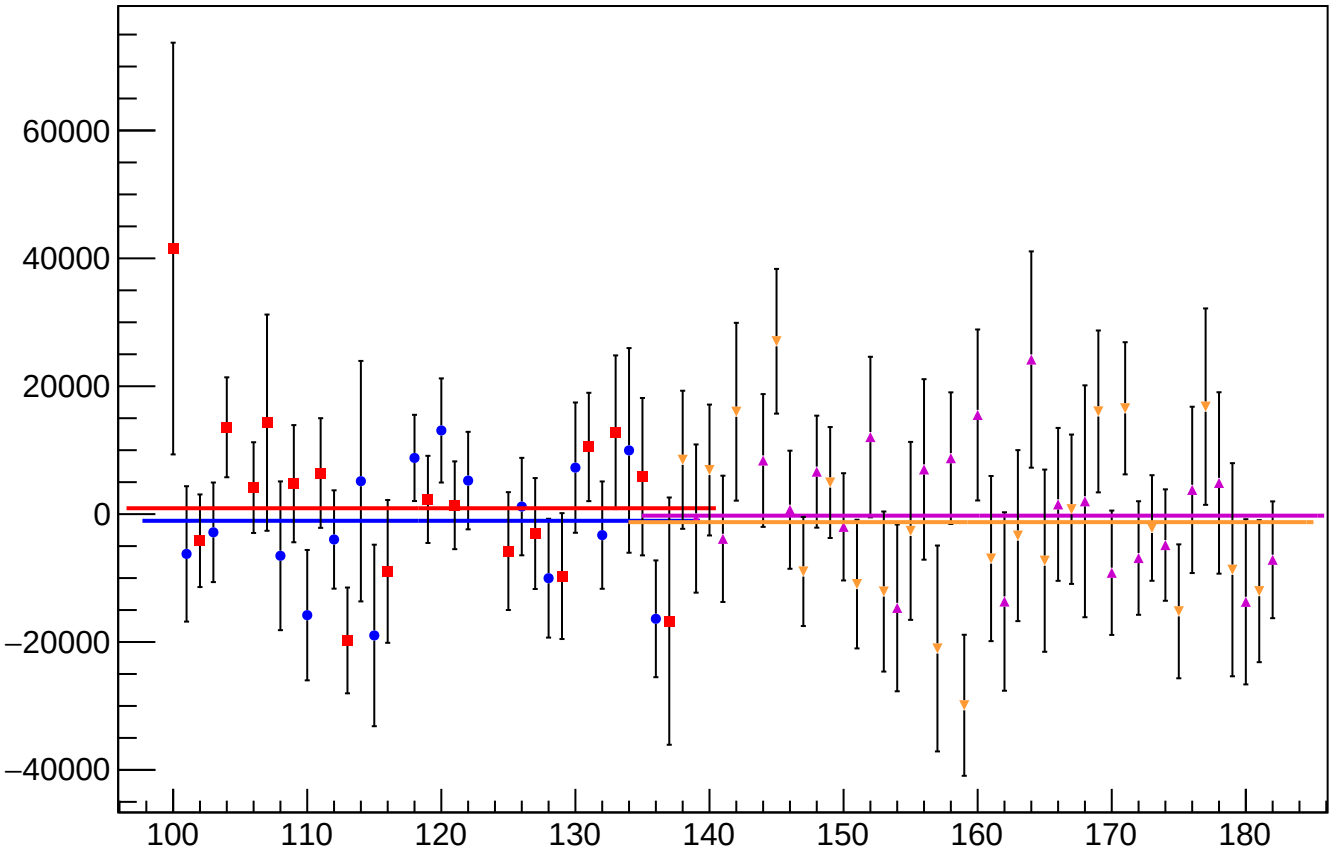
Left: 2651.706+/-0.316 χ^2/NDF: 429775.0/43

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2408.127+/-0.343 χ^2/NDF:1173470.1/37

Out: 2414.592+/-0.348 χ^2/NDF:1169619.0/39

All: 2411.312+/-0.244 χ^2/NDF: 2343264.0/77



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -1254.700+/-2419.490 χ^2/NDF:30.1/21

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: -239.653+/-2342.788 χ^2/NDF:12.7/21

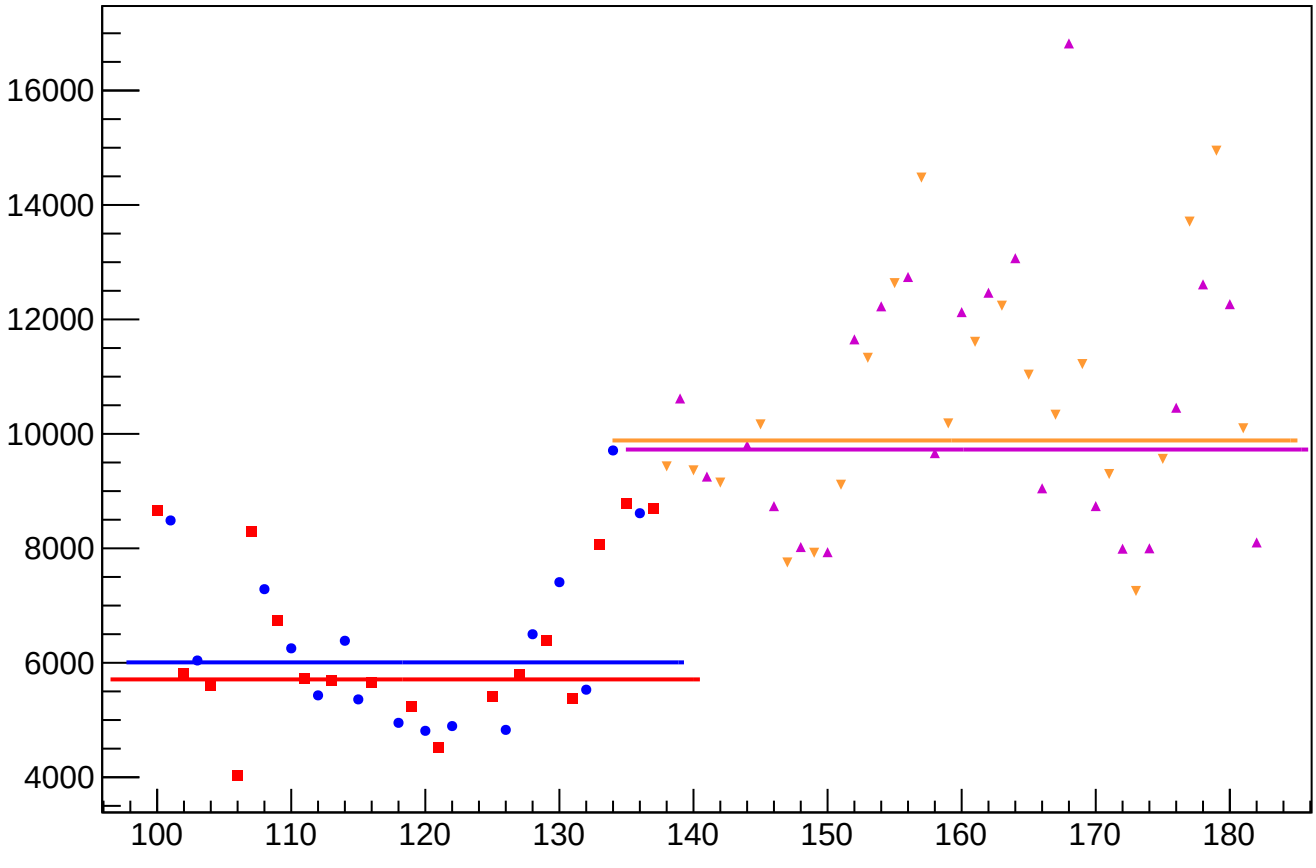
Left: -730.833+/-1683.064 χ^2/NDF: 42.9/43

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -649.425+/-1639.301 χ^2/NDF:28.1/37

Out: -40.175+/-1607.521 χ^2/NDF:48.9/39

All: -338.837+/-1147.760 χ^2/NDF: 77.0/77



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9885.043+/-1.711 χ^2/NDF:1180072.5/21

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9726.414+/-1.657 χ^2/NDF:1355997.3/21

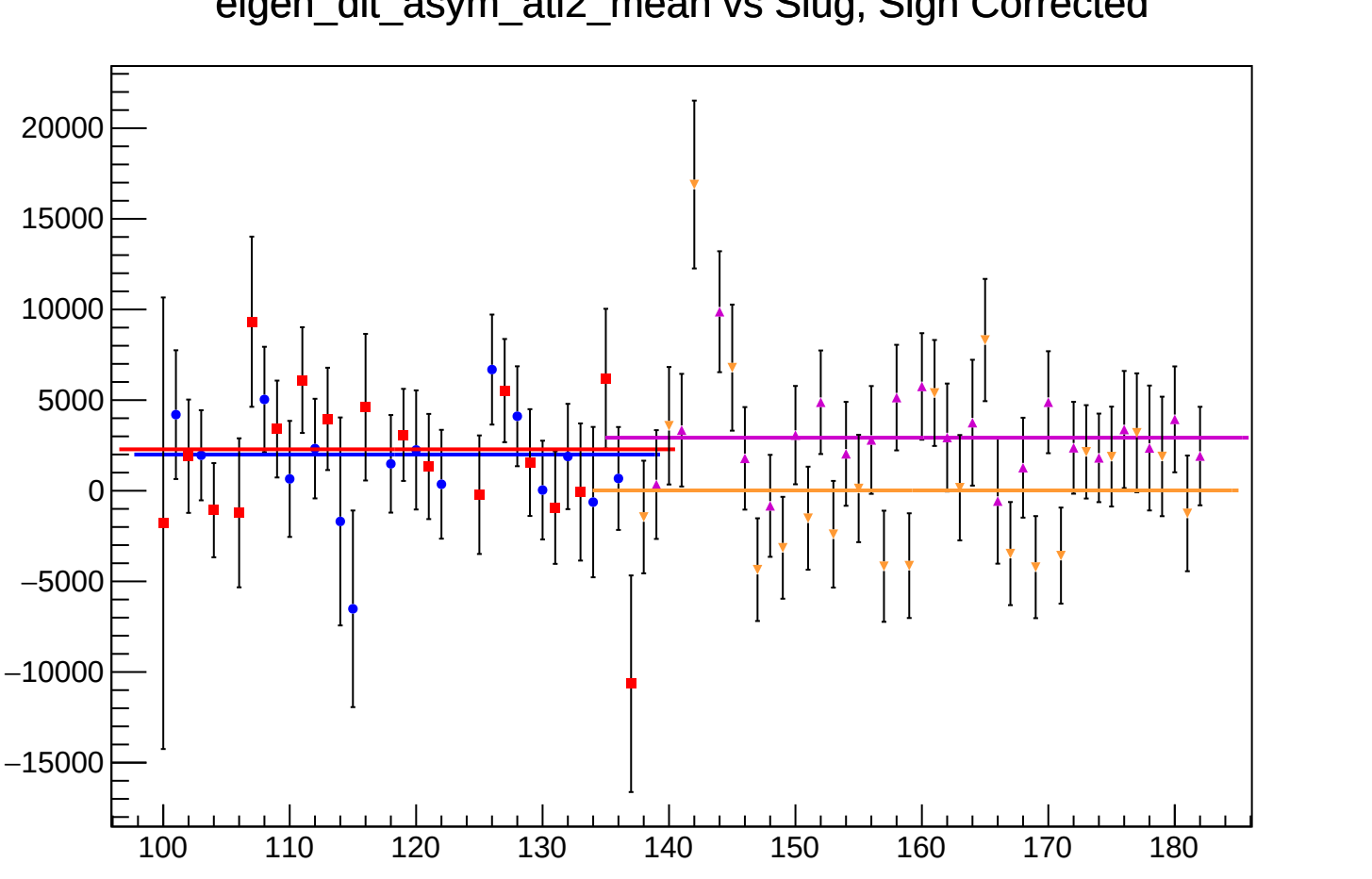
Left: 9803.174+/-1.190 χ^2/NDF: 2540506.7/43

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

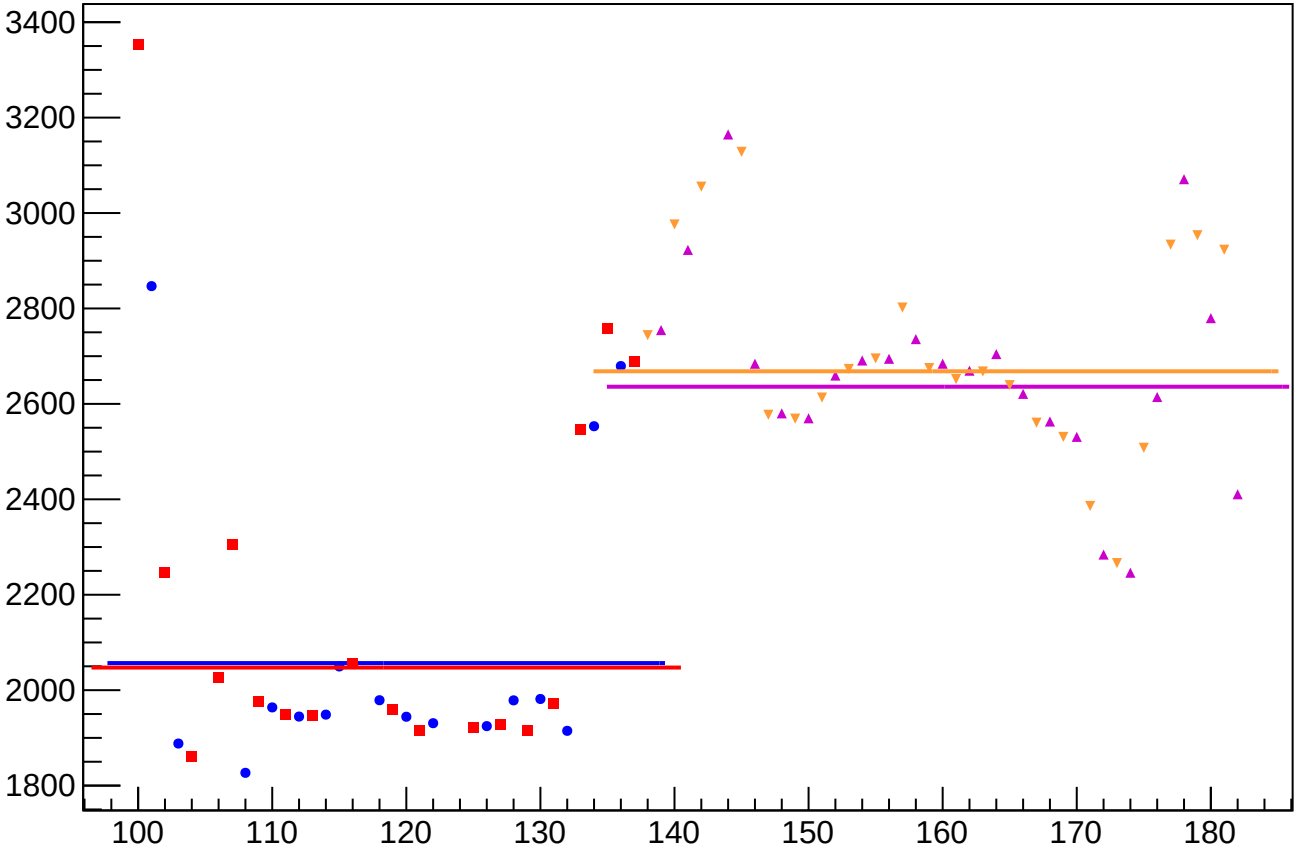
In: 7828.284+/-1.159 χ^2/NDF:4582253.9/37

Out: 7552.950+/-1.137 χ^2/NDF:5042589.2/39

All: 7687.923+/-0.812 χ^2/NDF: 9653605.3/77


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: 18.858+/-640.163 χ²/NDF:44.7/21
Right Out: 2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: 2925.631+/-622.959 χ²/NDF:11.6/21
Left: 1511.828+/-446.457 χ²/NDF: 66.9/43
Right: 2142.976+/-546.180 χ²/NDF: 25.7/33
In: 2561.168+/-485.183 χ²/NDF:21.5/37
Out: 943.557+/-492.598 χ²/NDF:66.4/39
All: 1764.629+/-345.668 χ²/NDF: 93.4/77

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2668.305+/-0.453 χ^2/NDF:204307.7/21

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2635.991+/-0.440 χ^2/NDF:222870.3/21

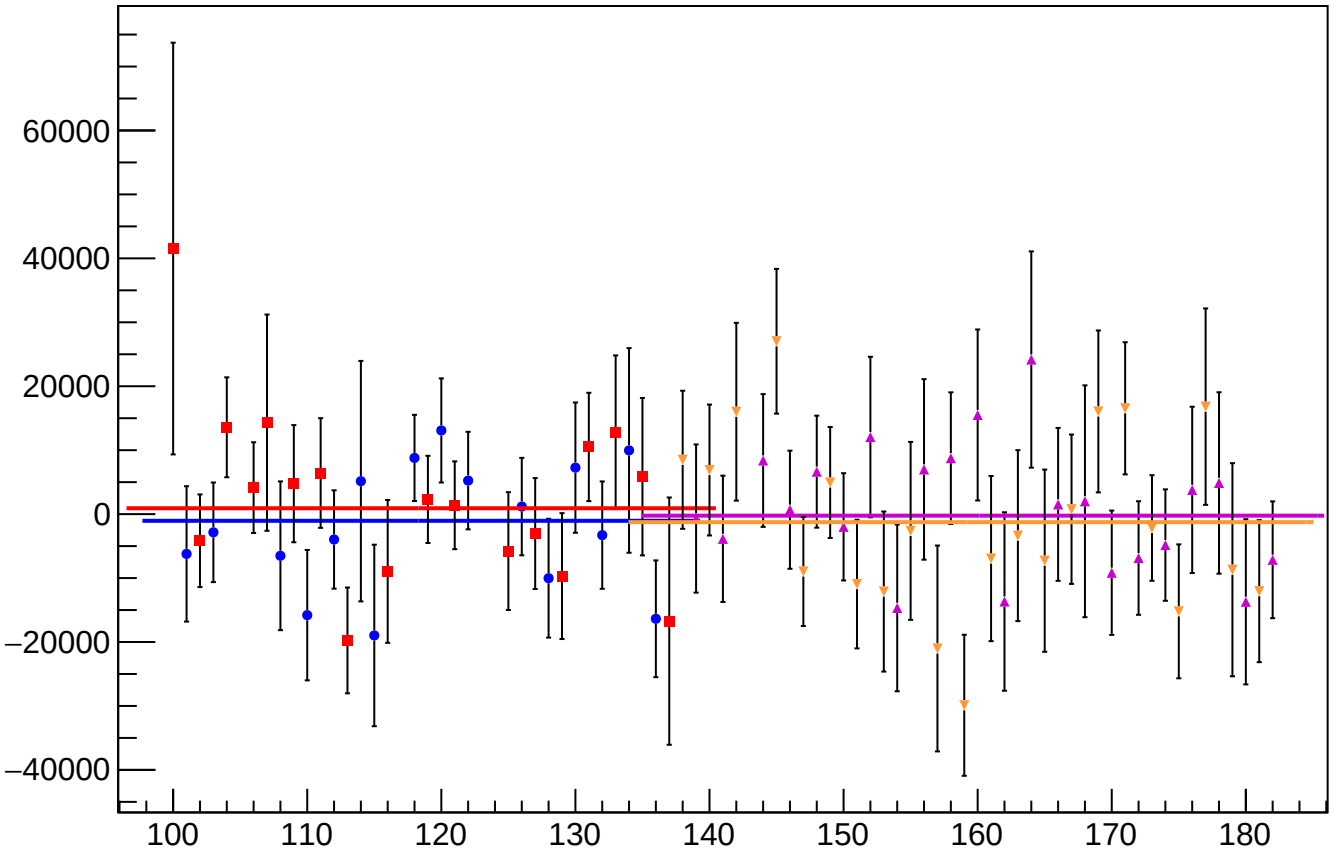
Left: 2651.708+/-0.316 χ^2/NDF: 429795.3/43

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2408.128+/-0.343 χ^2/NDF:1173483.8/37

Out: 2414.592+/-0.348 χ^2/NDF:1169634.7/39

All: 2411.313+/-0.244 χ^2/NDF: 2343293.5/77



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -1254.710+/-2419.494 χ^2/NDF:30.1/21

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: -239.654+/-2342.792 χ^2/NDF:12.7/21

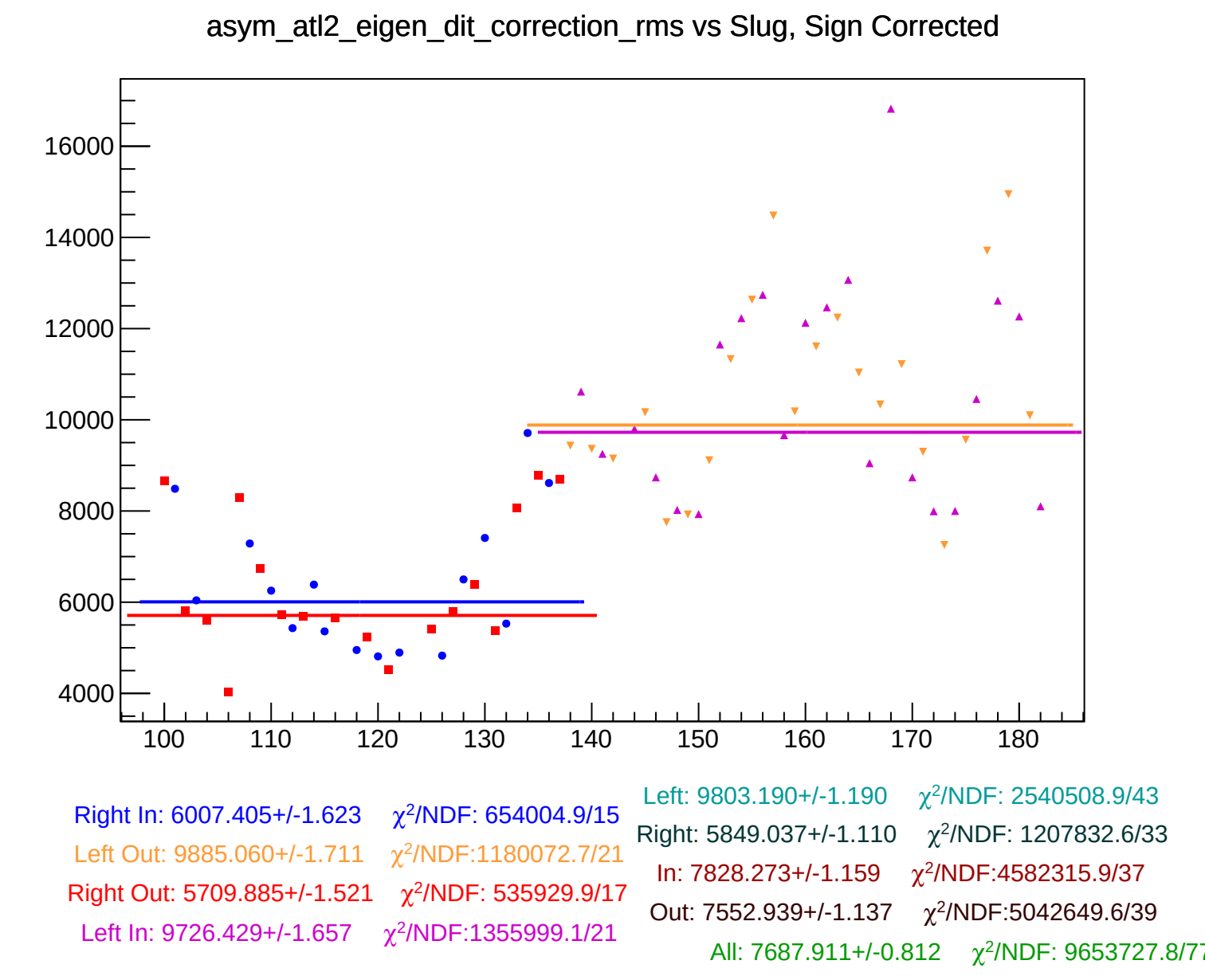
Left: -730.837+/-1683.067 χ^2/NDF: 42.9/43

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

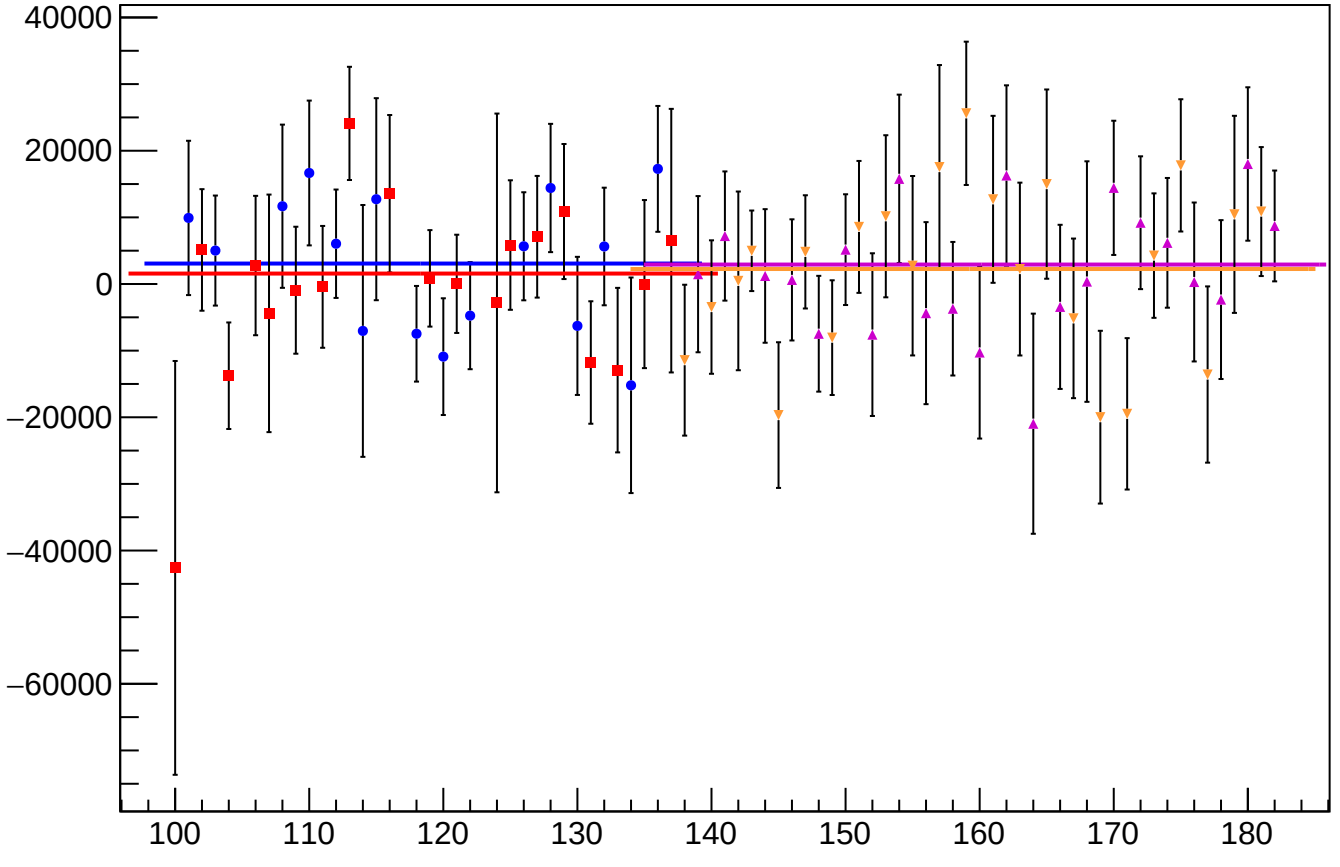
In: -649.421+/-1639.300 χ^2/NDF:28.1/37

Out: -40.171+/-1607.519 χ^2/NDF:48.9/39

All: -338.833+/-1147.759 χ^2/NDF: 77.0/77


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 6007.405+/-1.623 χ²/NDF: 654004.9/15
Left Out: 9885.060+/-1.711 χ²/NDF:1180072.7/21
Right Out: 5709.885+/-1.521 χ²/NDF: 535929.9/17
Left In: 9726.429+/-1.657 χ²/NDF:1355999.1/21
Left: 9803.190+/-1.190 χ²/NDF: 2540508.9/43
Right: 5849.037+/-1.110 χ²/NDF: 1207832.6/33
In: 7828.273+/-1.159 χ²/NDF:4582315.9/37
Out: 7552.939+/-1.137 χ²/NDF:5042649.6/39
All: 7687.911+/-0.812 χ²/NDF: 9653727.8/77

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2249.115+/-2223.033 χ^2/NDF:27.6/22

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 2919.216+/-2310.496 χ^2/NDF:13.0/21

Left: 2571.242+/-1601.950 χ^2/NDF: 40.6/44

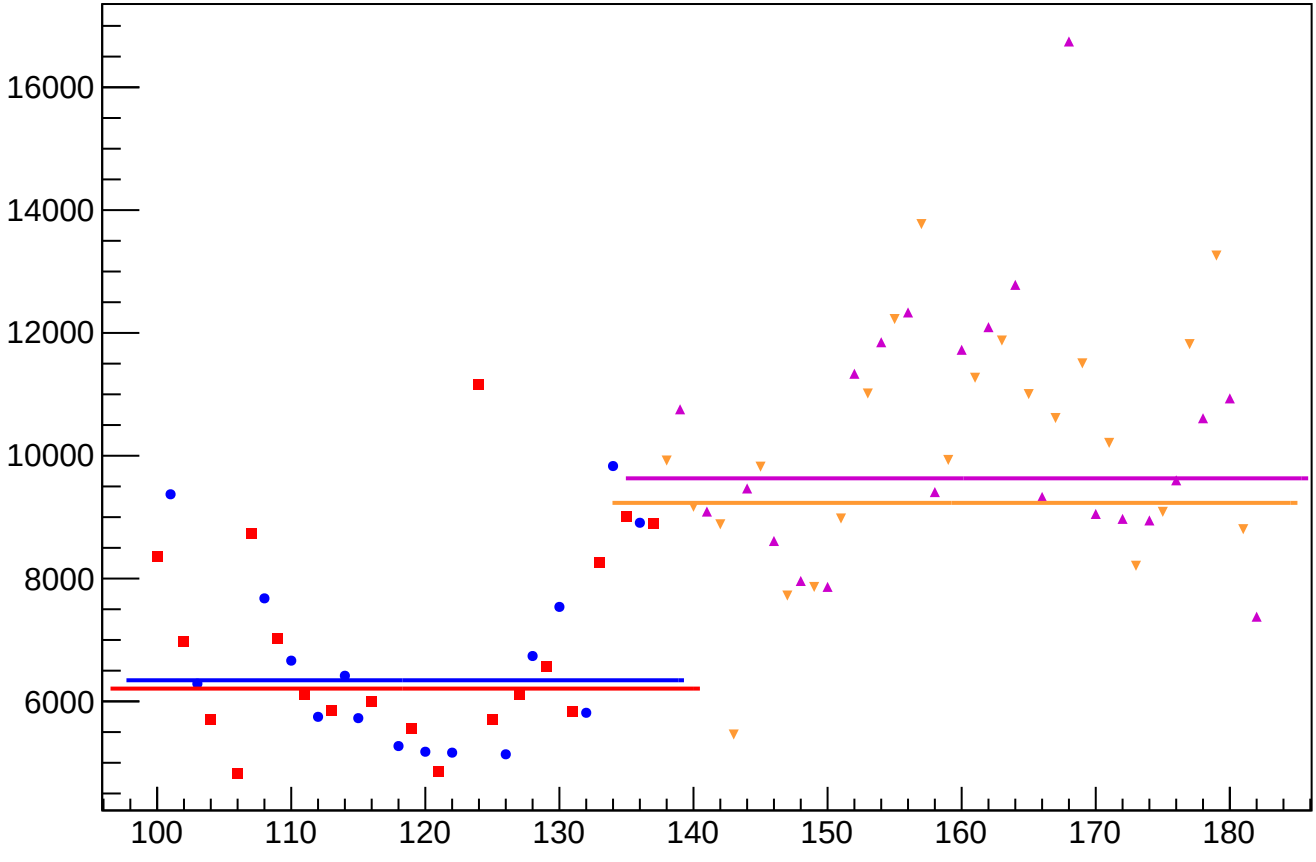
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2991.237+/-1671.376 χ^2/NDF:27.8/37

Out: 1924.974+/-1610.339 χ^2/NDF:46.9/41

All: 2438.281+/-1159.660 χ^2/NDF: 74.9/79

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9232.493+/-1.572 χ^2/NDF:1757795.7/22

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9632.086+/-1.634 χ^2/NDF:1109183.5/21

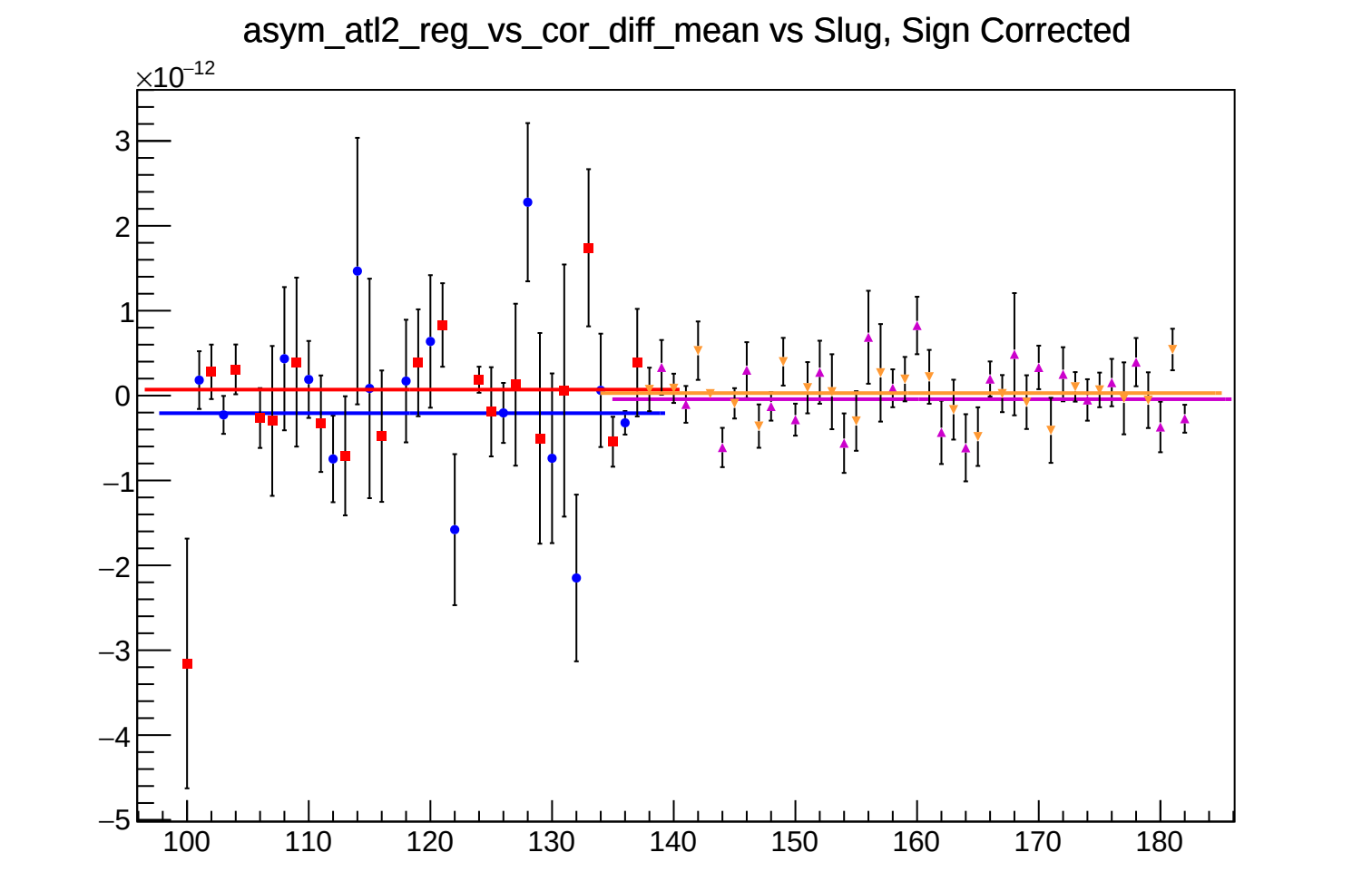
Left: 9424.583+/-1.133 χ^2/NDF: 2898043.6/44

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 8064.506+/-1.182 χ^2/NDF:3661589.2/37

Out: 7795.111+/-1.139 χ^2/NDF:3988971.5/41

All: 7924.800+/-0.820 χ^2/NDF: 7677506.1/79



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:36.1/21

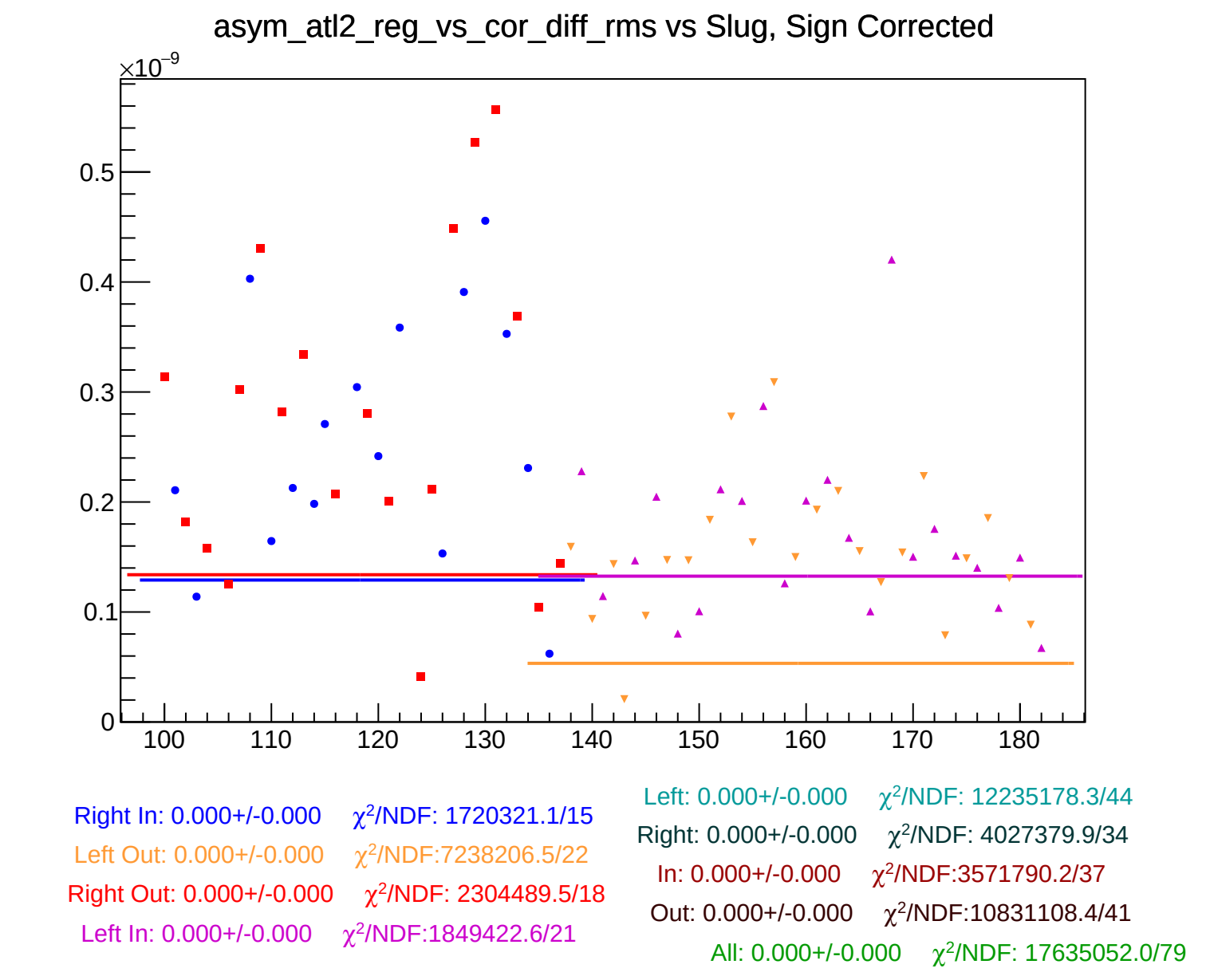
Left: 0.000+/-0.000 χ^2/NDF: 54.7/44

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:59.3/37

Out: 0.000+/-0.000 χ^2/NDF:38.3/41

All: 0.000+/-0.000 χ^2/NDF: 102.0/79


asym_atl2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
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100
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170
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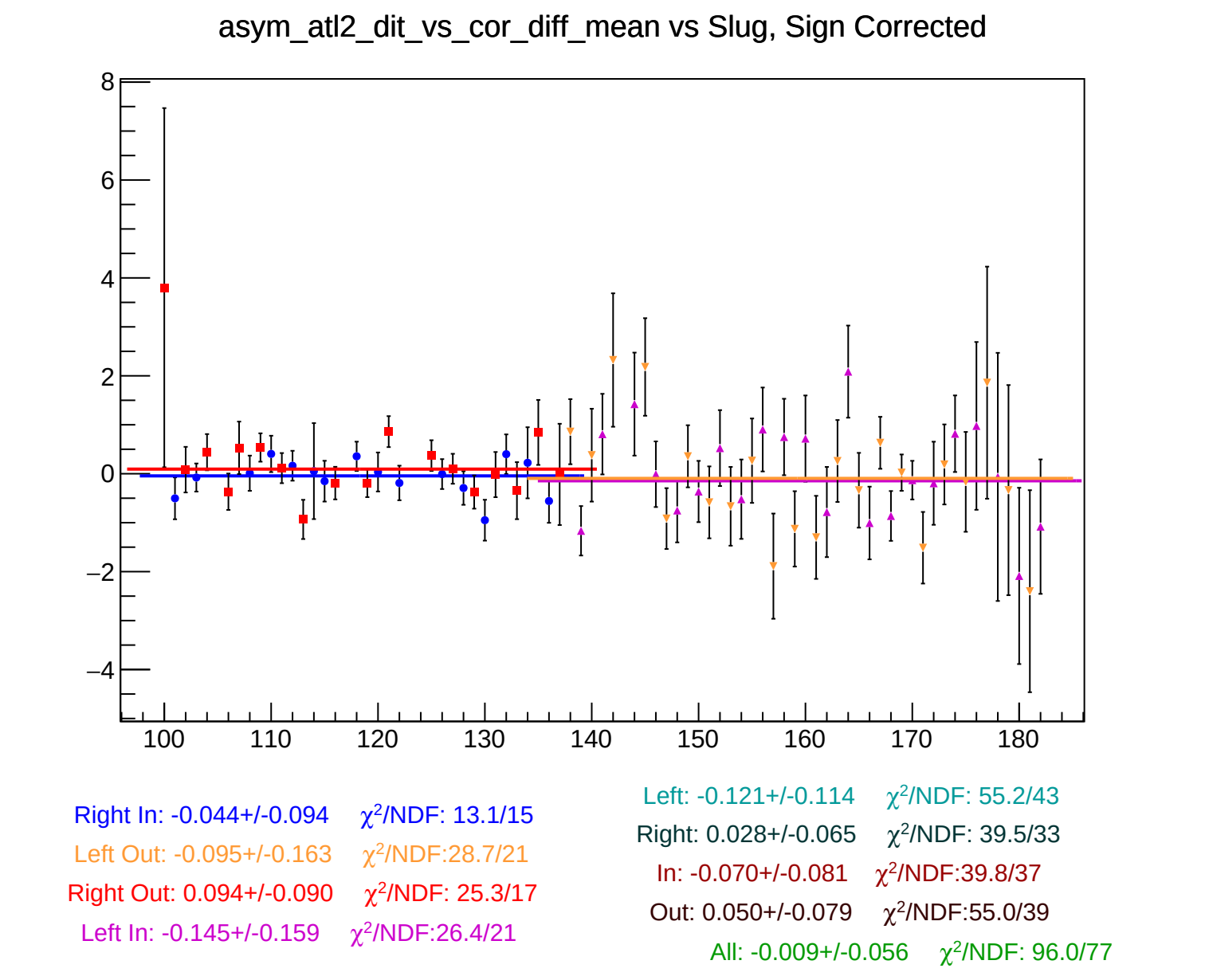
Right In: 0.000+/-0.000 χ²/NDF: 1720321.1/15
Left Out: 0.000+/-0.000 χ²/NDF:7238206.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 2304489.5/18
Left In: 0.000+/-0.000 χ²/NDF:1849422.6/21
Left: 0.000+/-0.000 χ²/NDF: 12235178.3/44
Right: 0.000+/-0.000 χ²/NDF: 4027379.9/34
In: 0.000+/-0.000 χ²/NDF:3571790.2/37
Out: 0.000+/-0.000 χ²/NDF:10831108.4/41
All: 0.000+/-0.000 χ²/NDF: 17635052.0/79


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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170
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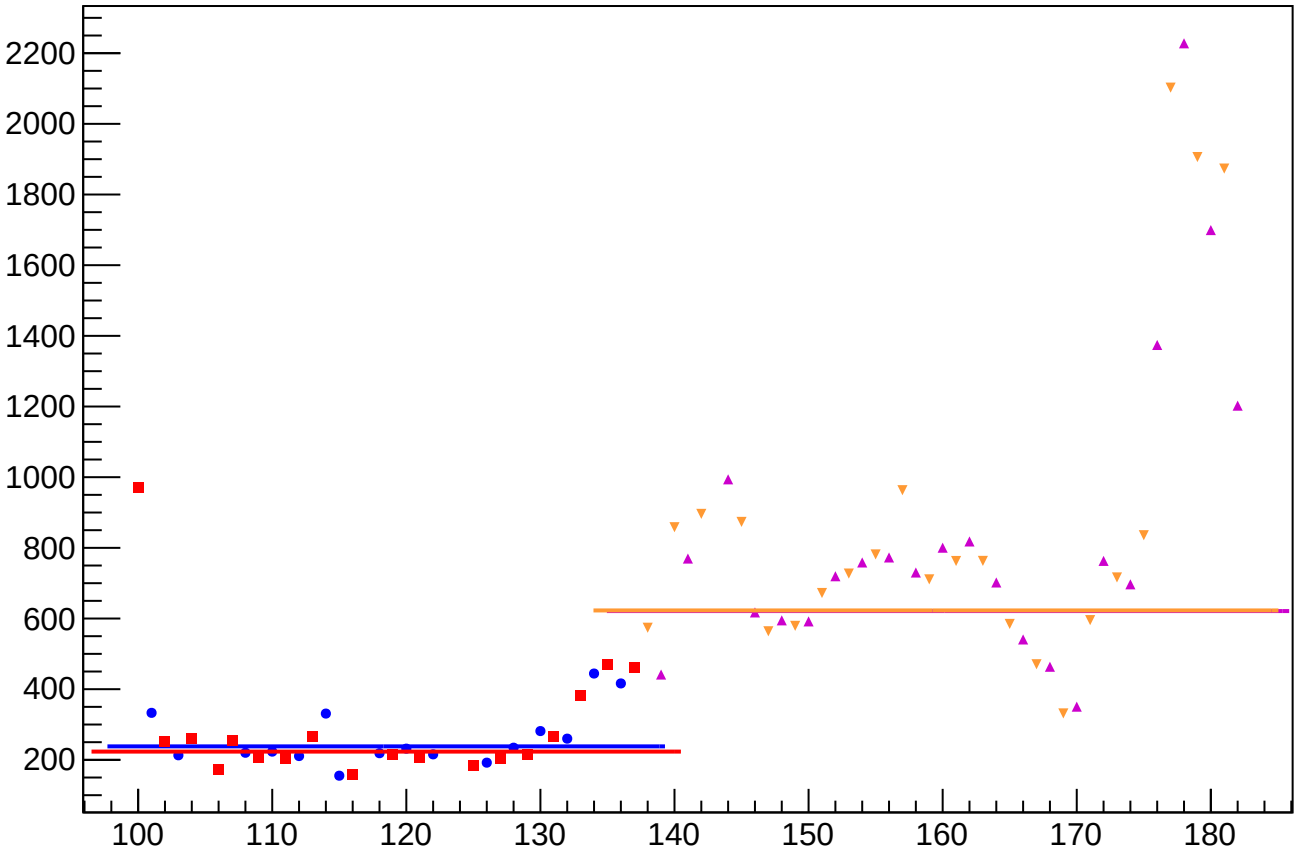
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.095+/-0.163 χ²/NDF:28.7/21
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.145+/-0.159 χ²/NDF:26.4/21
Left: -0.121+/-0.114 χ²/NDF: 55.2/43
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.070+/-0.081 χ²/NDF:39.8/37
Out: 0.050+/-0.079 χ²/NDF:55.0/39
All: -0.009+/-0.056 χ²/NDF: 96.0/77



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 622.870+/-0.115 χ^2/NDF:4563453.8/21

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 621.090+/-0.112 χ^2/NDF:4453066.6/21

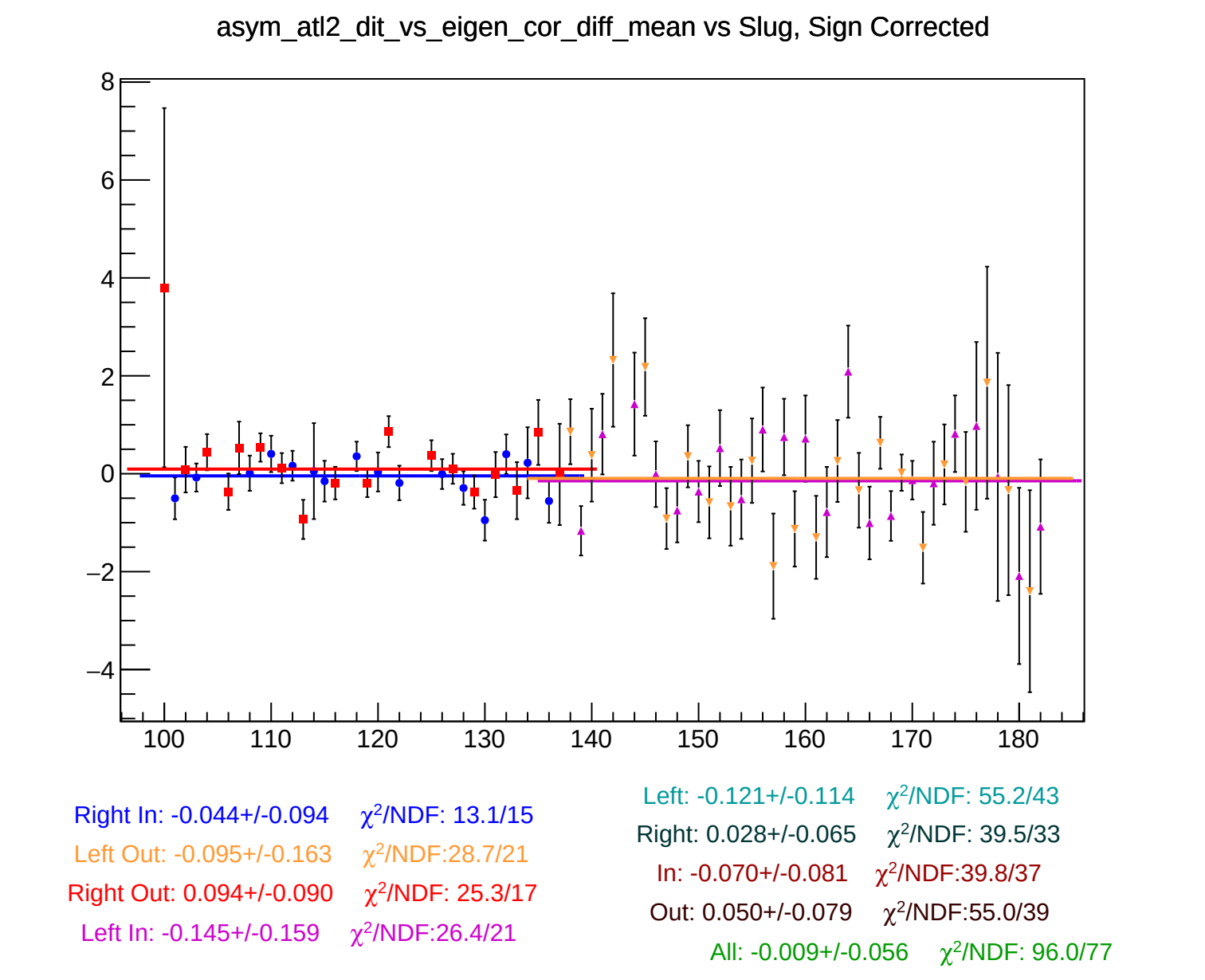
Left: 621.956+/-0.080 χ^2/NDF: 9016642.9/43

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 337.226+/-0.057 χ^2/NDF:13883128.8/37

Out: 316.678+/-0.056 χ^2/NDF:14620789.7/39

All: 326.703+/-0.040 χ^2/NDF: 28570224.2/77


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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170
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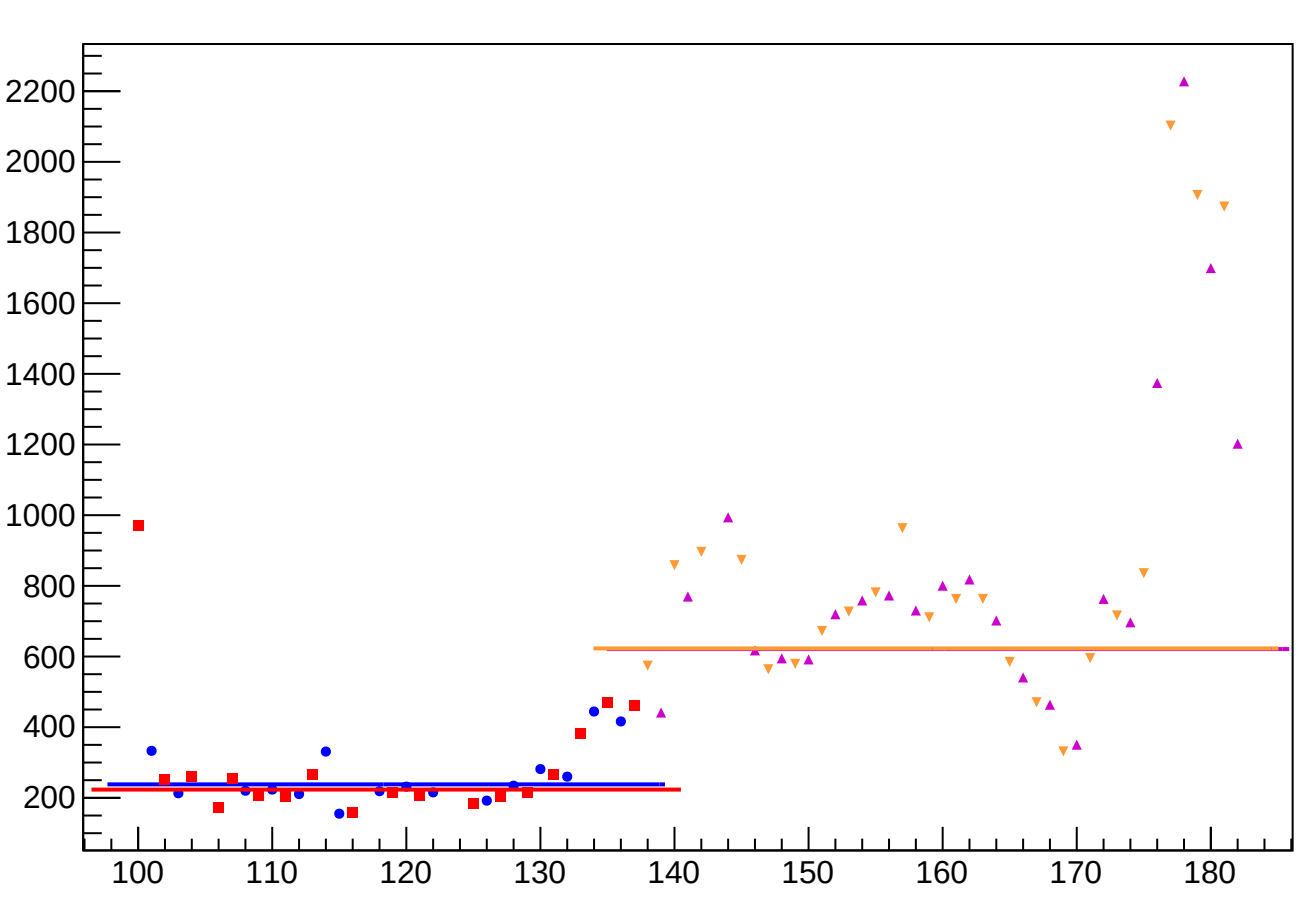
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.095+/-0.163 χ²/NDF:28.7/21
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.145+/-0.159 χ²/NDF:26.4/21
Left: -0.121+/-0.114 χ²/NDF: 55.2/43
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.070+/-0.081 χ²/NDF:39.8/37
Out: 0.050+/-0.079 χ²/NDF:55.0/39
All: -0.009+/-0.056 χ²/NDF: 96.0/77



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 622.870+/-0.115 χ^2/NDF:4563453.8/21

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 621.090+/-0.112 χ^2/NDF:4453066.6/21

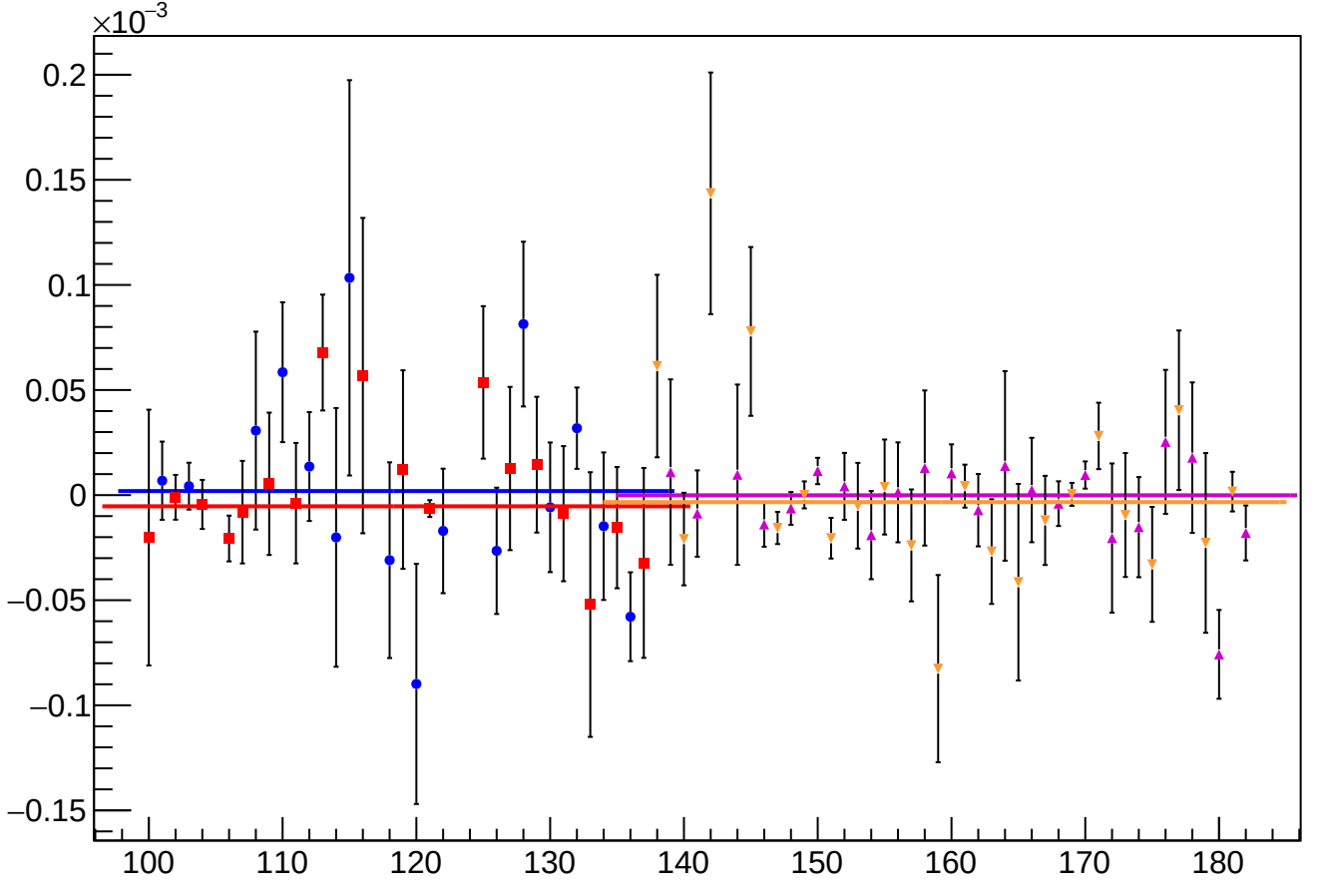
Left: 621.956+/-0.080 χ^2/NDF: 9016642.9/43

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 337.226+/-0.057 χ^2/NDF:13883128.8/37

Out: 316.678+/-0.056 χ^2/NDF:14620789.7/39

All: 326.703+/-0.040 χ^2/NDF: 28570224.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.1/21

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

Left In: -0.000+/-0.000 χ^2/NDF:26.5/21

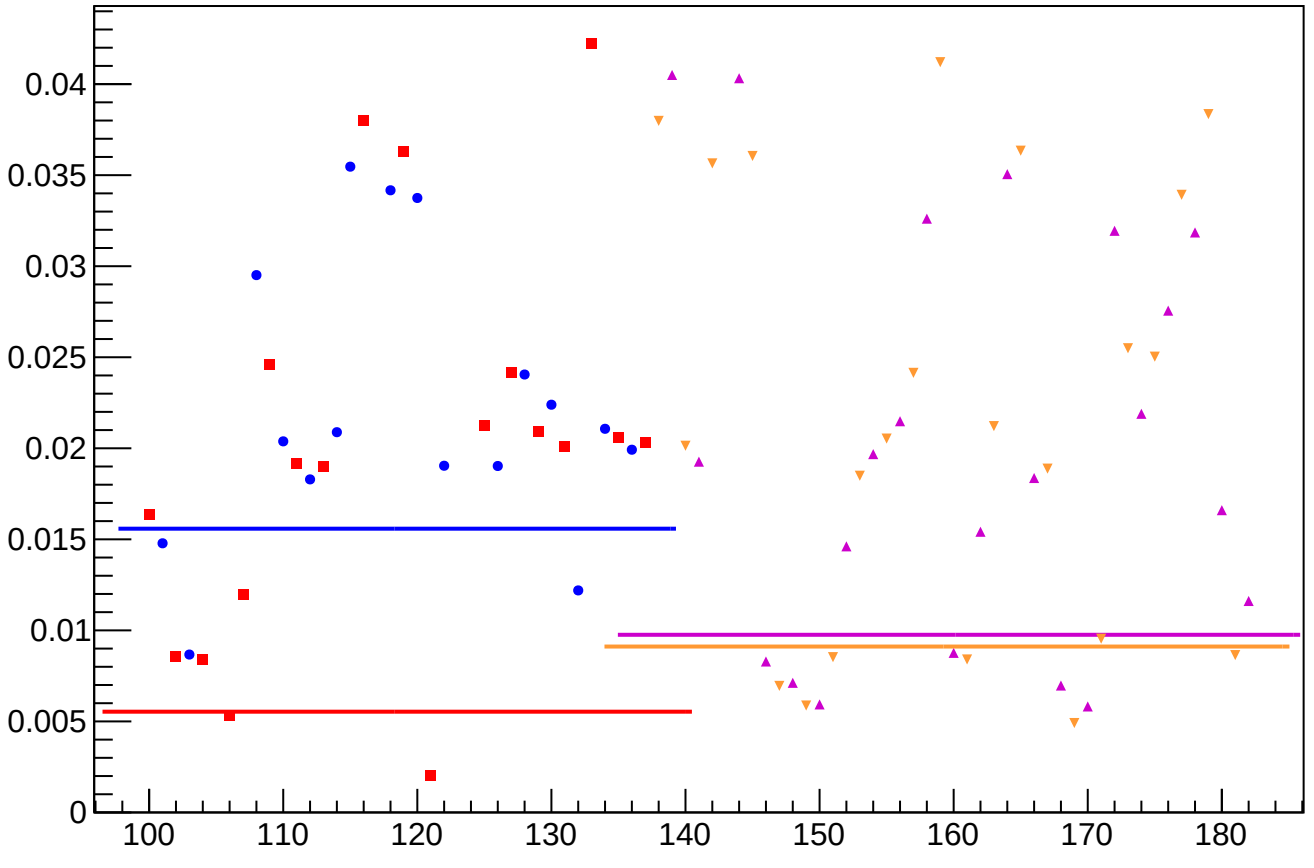
Left: -0.000+/-0.000 χ^2/NDF: 60.2/43

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:50.6/37

Out: -0.000+/-0.000 χ^2/NDF:47.9/39

All: -0.000+/-0.000 χ^2/NDF: 100.2/77



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:11851978.7/21

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.010+/-0.000 χ^2/NDF:10138341.9/21

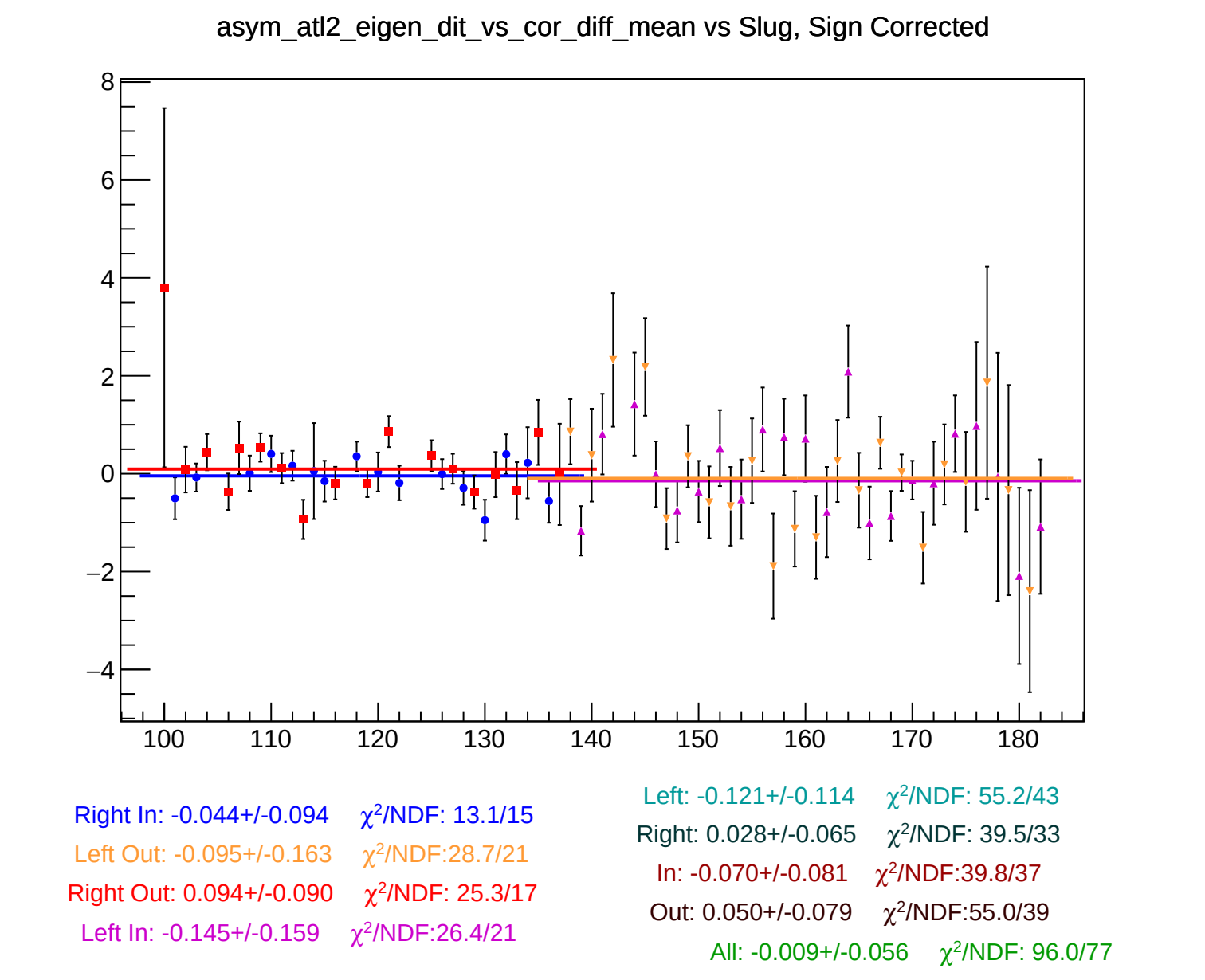
Left: 0.009+/-0.000 χ^2/NDF: 22041552.8/43

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:13596691.1/37

Out: 0.008+/-0.000 χ^2/NDF:21225492.2/39

All: 0.009+/-0.000 χ^2/NDF: 36611382.7/77


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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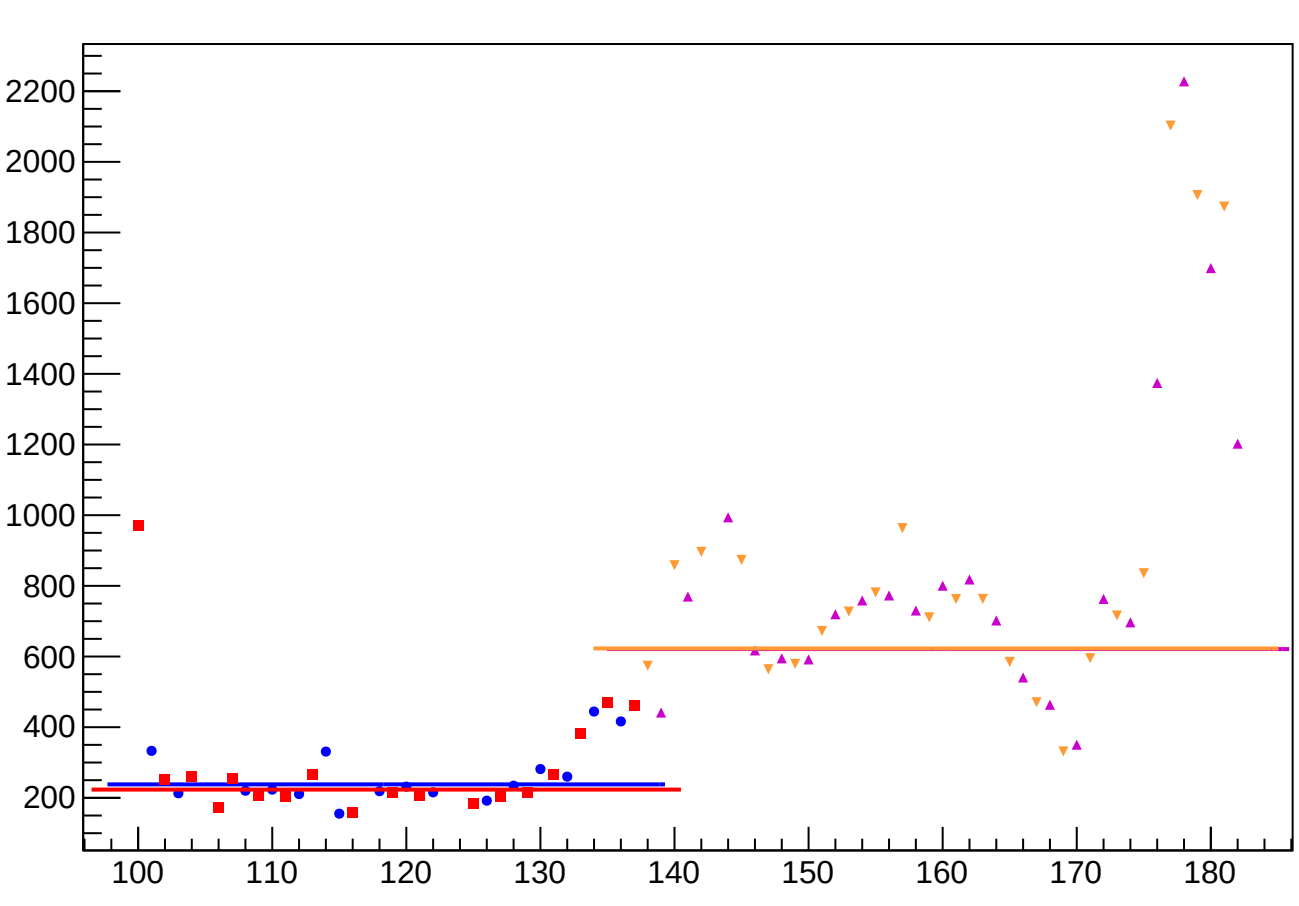
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.095+/-0.163 χ²/NDF:28.7/21
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.145+/-0.159 χ²/NDF:26.4/21
Left: -0.121+/-0.114 χ²/NDF: 55.2/43
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.070+/-0.081 χ²/NDF:39.8/37
Out: 0.050+/-0.079 χ²/NDF:55.0/39
All: -0.009+/-0.056 χ²/NDF: 96.0/77



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 622.874+/-0.115 χ^2/NDF:4563515.0/21

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 621.096+/-0.112 χ^2/NDF:4453047.3/21

Left: 621.961+/-0.080 χ^2/NDF: 9016684.3/43

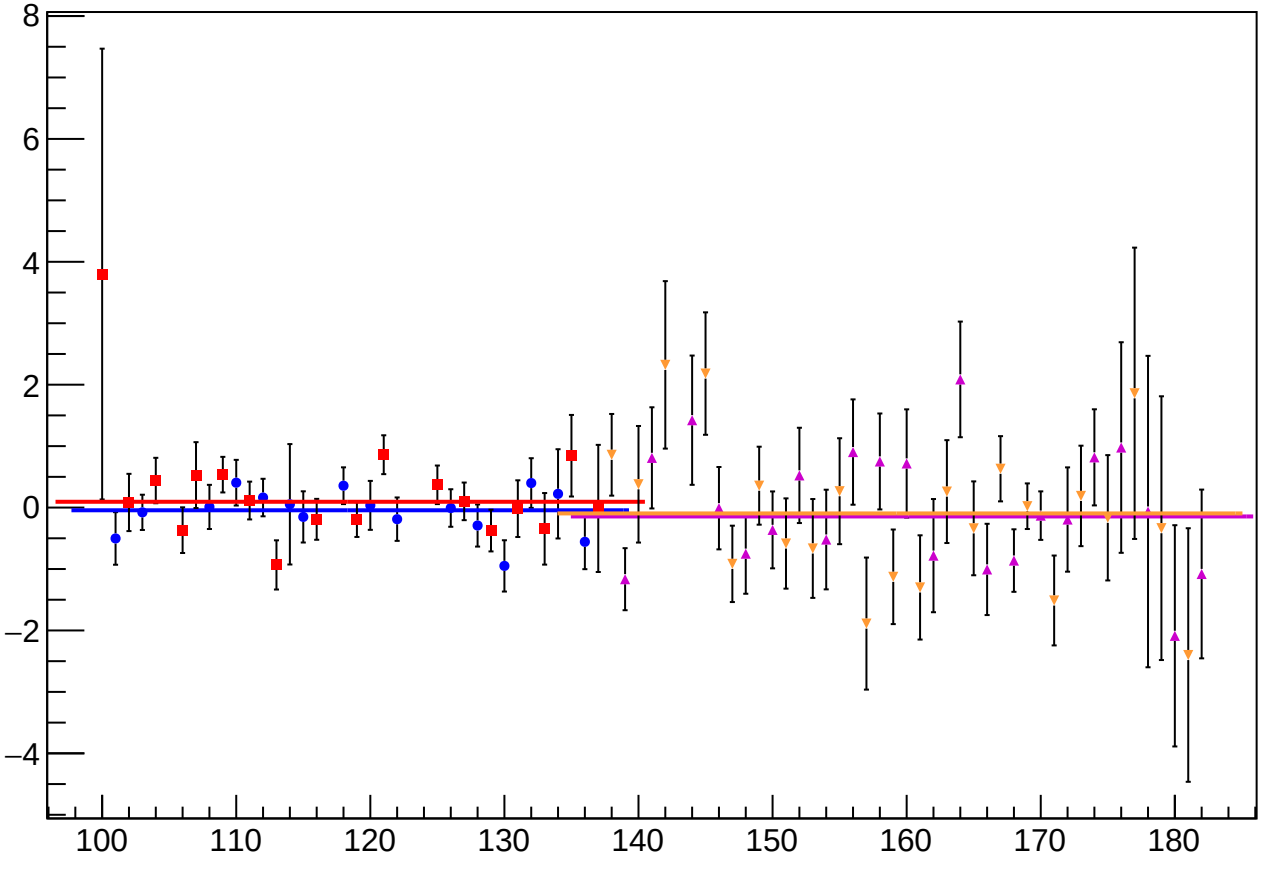
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 337.227+/-0.057 χ^2/NDF:13883188.1/37

Out: 316.680+/-0.056 χ^2/NDF:14620778.5/39

All: 326.704+/-0.040 χ^2/NDF: 28570267.8/77

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: -0.095+/-0.163 χ^2/NDF:28.7/21

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.145+/-0.159 χ^2/NDF:26.4/21

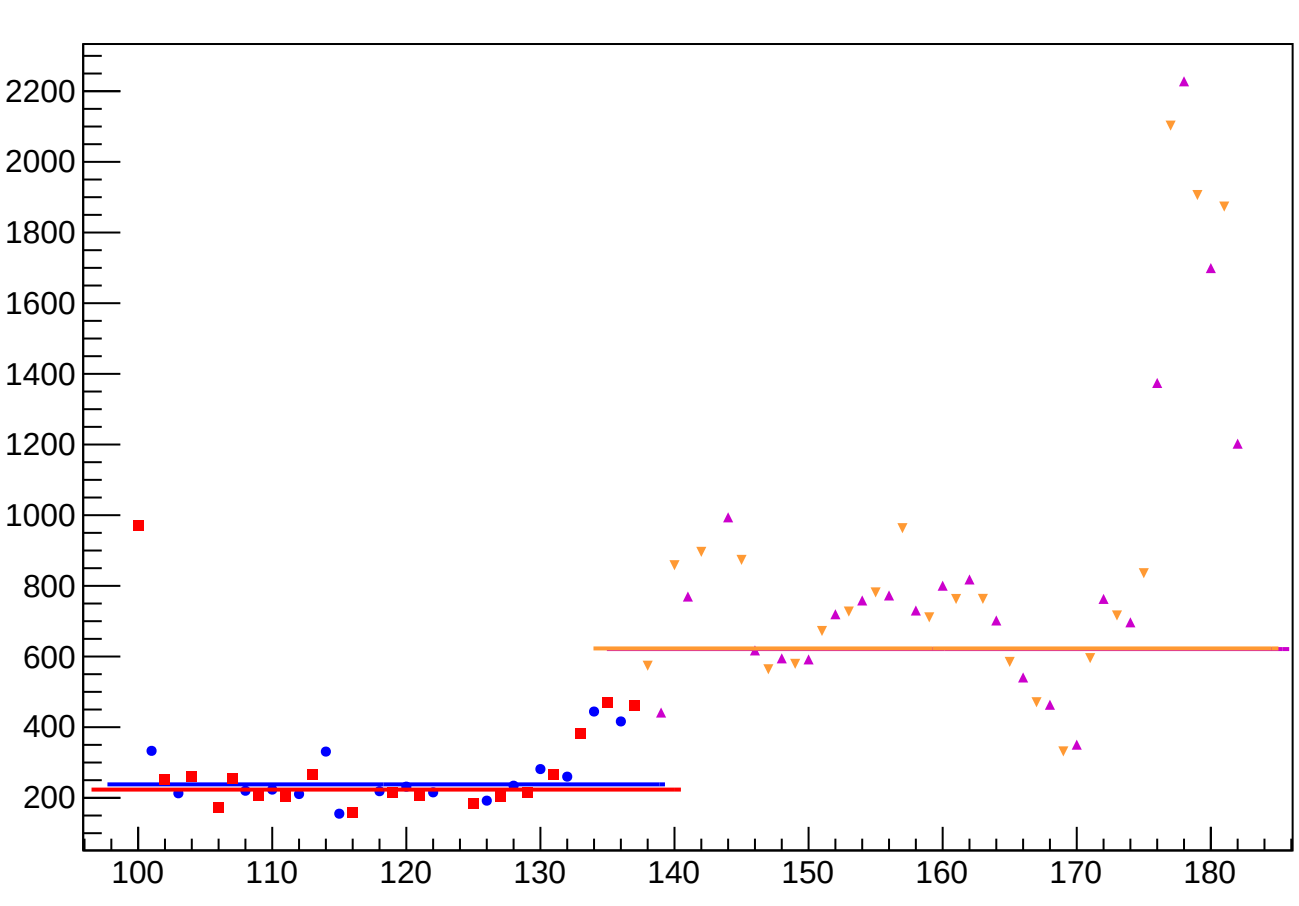
Left: -0.121+/-0.114 χ^2/NDF: 55.2/43

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.070+/-0.081 χ^2/NDF:39.8/37

Out: 0.050+/-0.079 χ^2/NDF:55.0/39

All: -0.009+/-0.056 χ^2/NDF: 96.0/77



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 622.874+/-0.115 χ^2/NDF:4563515.0/21

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 621.096+/-0.112 χ^2/NDF:4453047.3/21

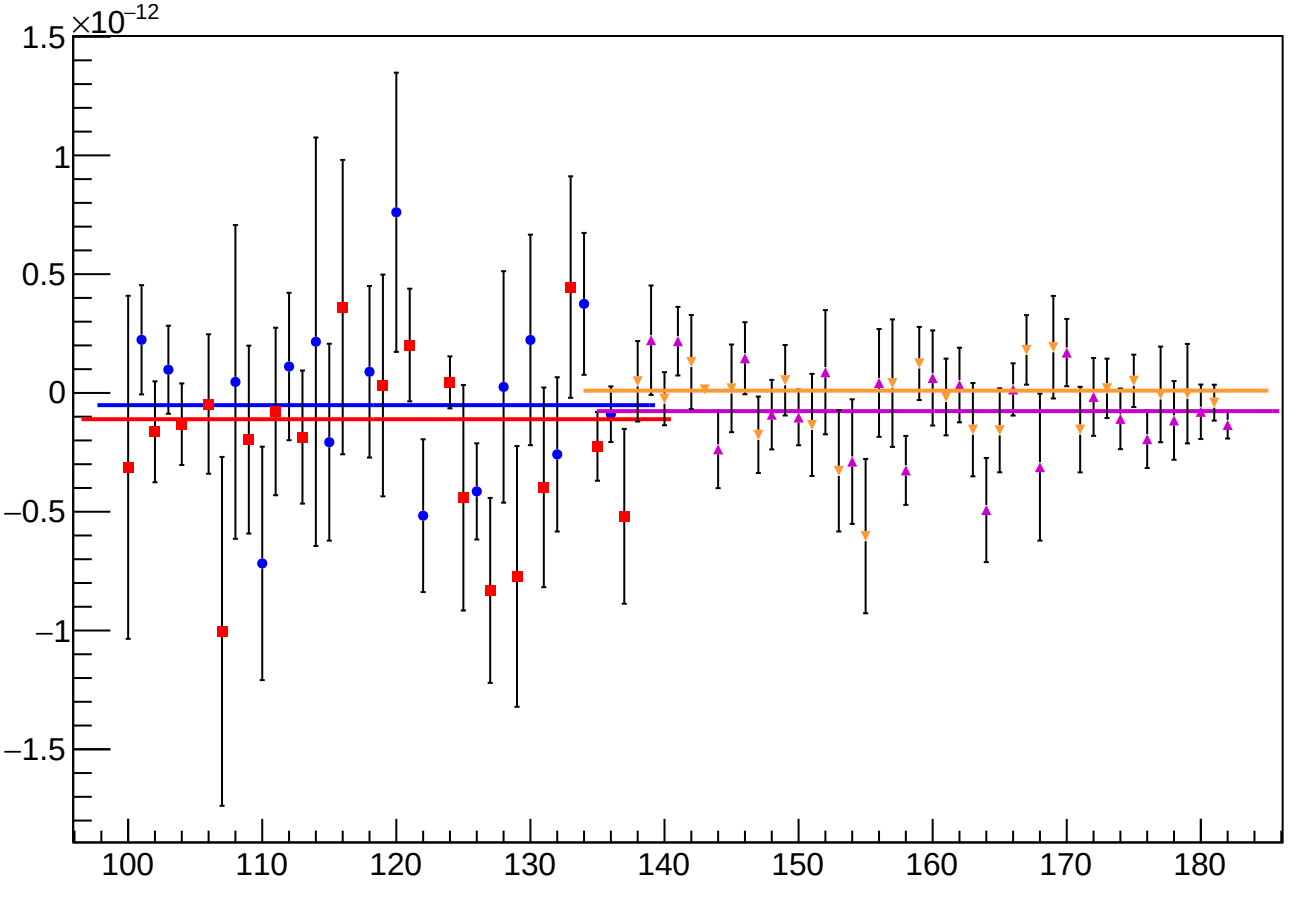
Left: 621.961+/-0.080 χ^2/NDF: 9016684.3/43

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 337.227+/-0.057 χ^2/NDF:13883188.1/37

Out: 316.680+/-0.056 χ^2/NDF:14620778.5/39

All: 326.704+/-0.040 χ^2/NDF: 28570267.8/77



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/22

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:24.4/21

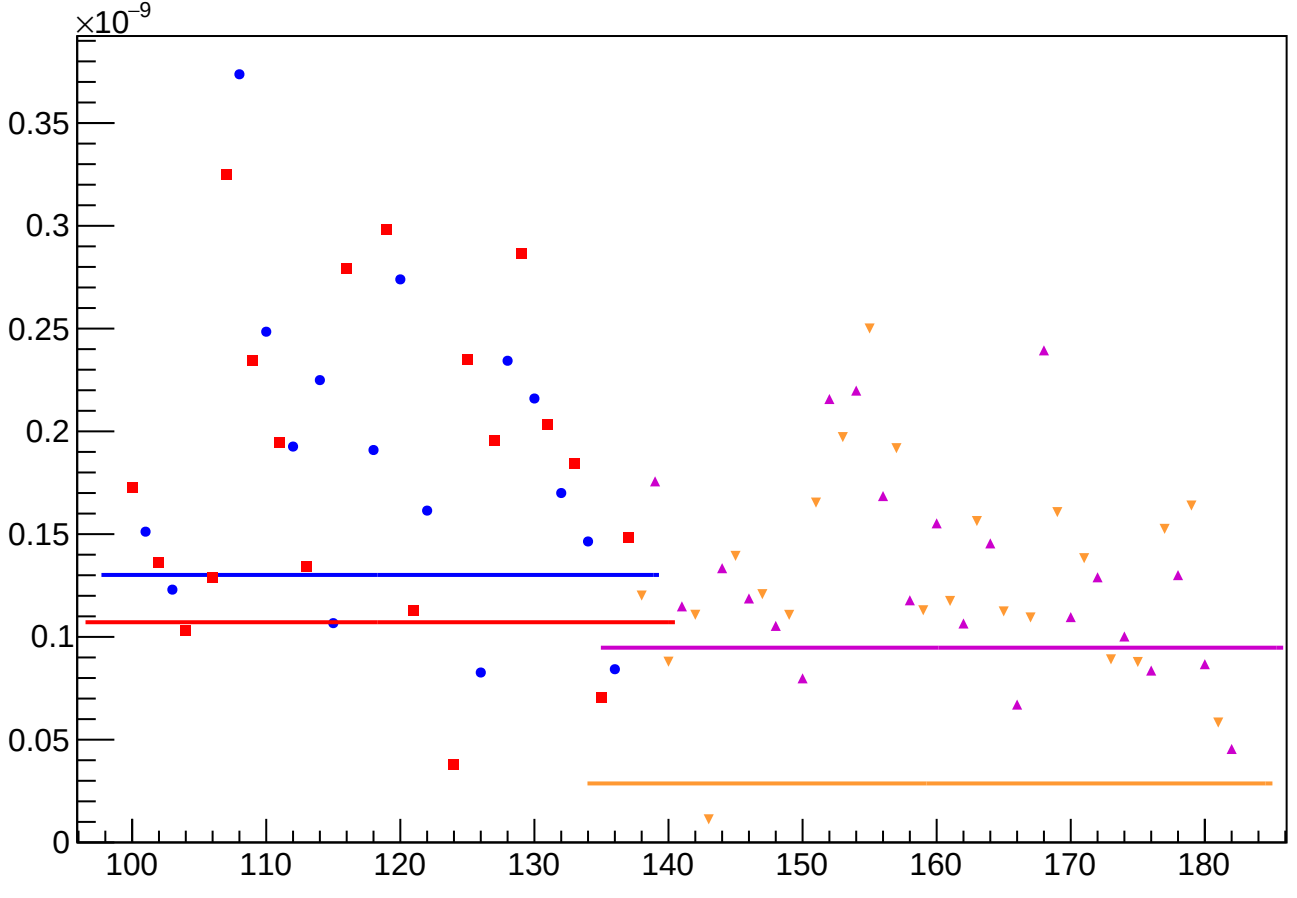
Left: -0.000+/-0.000 χ^2/NDF: 45.0/44

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:39.3/37

Out: 0.000+/-0.000 χ^2/NDF:32.8/41

All: -0.000+/-0.000 χ^2/NDF: 78.5/79



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:16921658.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:4214552.0/21

Left: 0.000+/-0.000 χ^2/NDF: 29486953.5/44

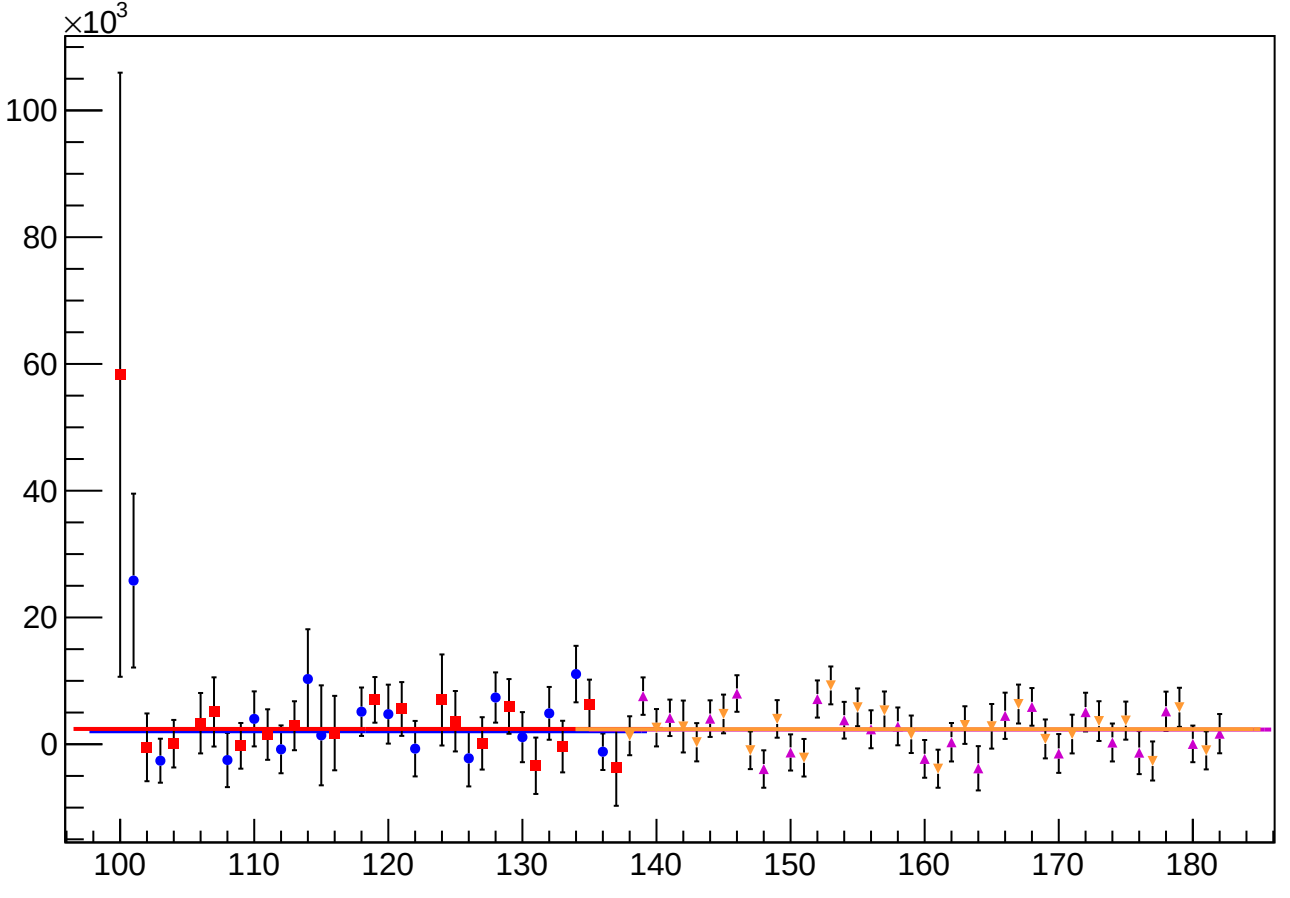
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:6012595.8/37

Out: 0.000+/-0.000 χ^2/NDF:22922076.0/41

All: 0.000+/-0.000 χ^2/NDF: 39037617.1/79

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2376.580+/-639.199 χ^2/NDF:24.7/22

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2315.024+/-644.923 χ^2/NDF:30.1/21

Left: 2346.077+/-453.992 χ^2/NDF: 54.7/44

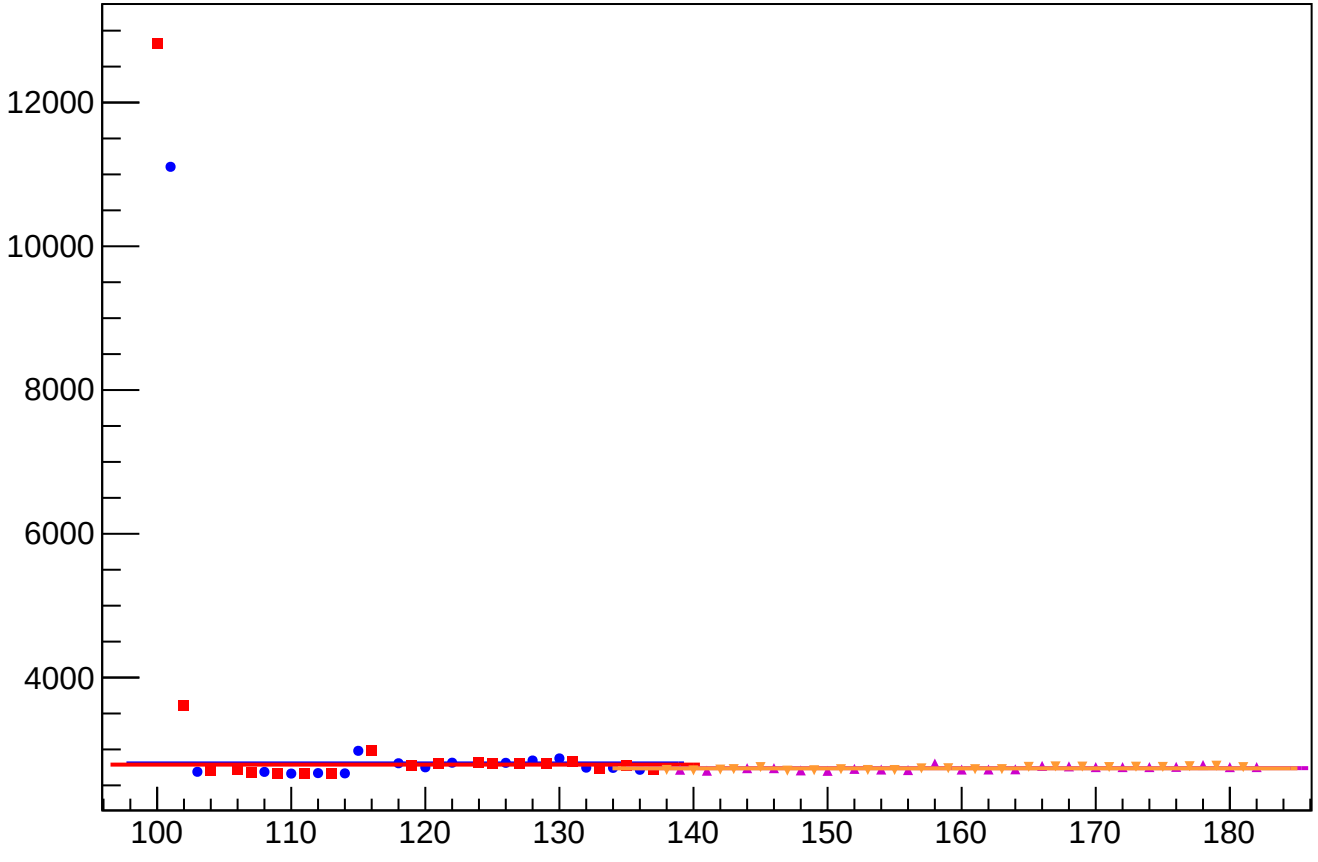
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2244.305+/-552.404 χ^2/NDF:47.9/37

Out: 2386.314+/-543.913 χ^2/NDF:35.5/41

All: 2316.409+/-387.572 χ^2/NDF: 83.4/79

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2736.796+/-0.452 χ^2/NDF:2266.2/22

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2739.612+/-0.456 χ^2/NDF:3343.1/21

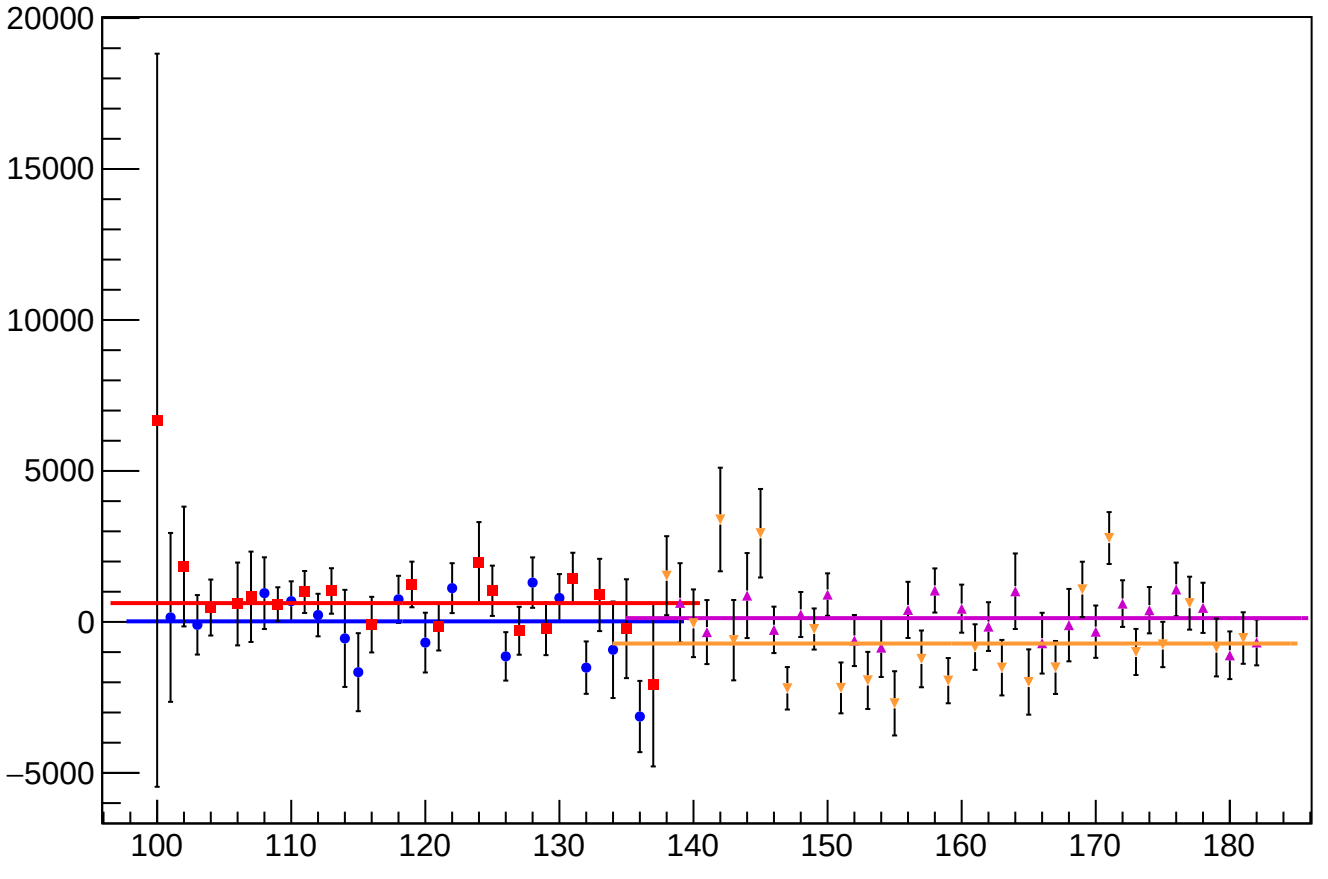
Left: 2738.192+/-0.321 χ^2/NDF: 5628.6/44

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2757.146+/-0.391 χ^2/NDF:755134.3/37

Out: 2751.151+/-0.385 χ^2/NDF:152920.1/41

All: 2754.102+/-0.274 χ^2/NDF: 908174.0/79



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -715.923+/-188.499 χ^2/NDF:57.2/22

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 125.792+/-185.199 χ^2/NDF:12.7/21

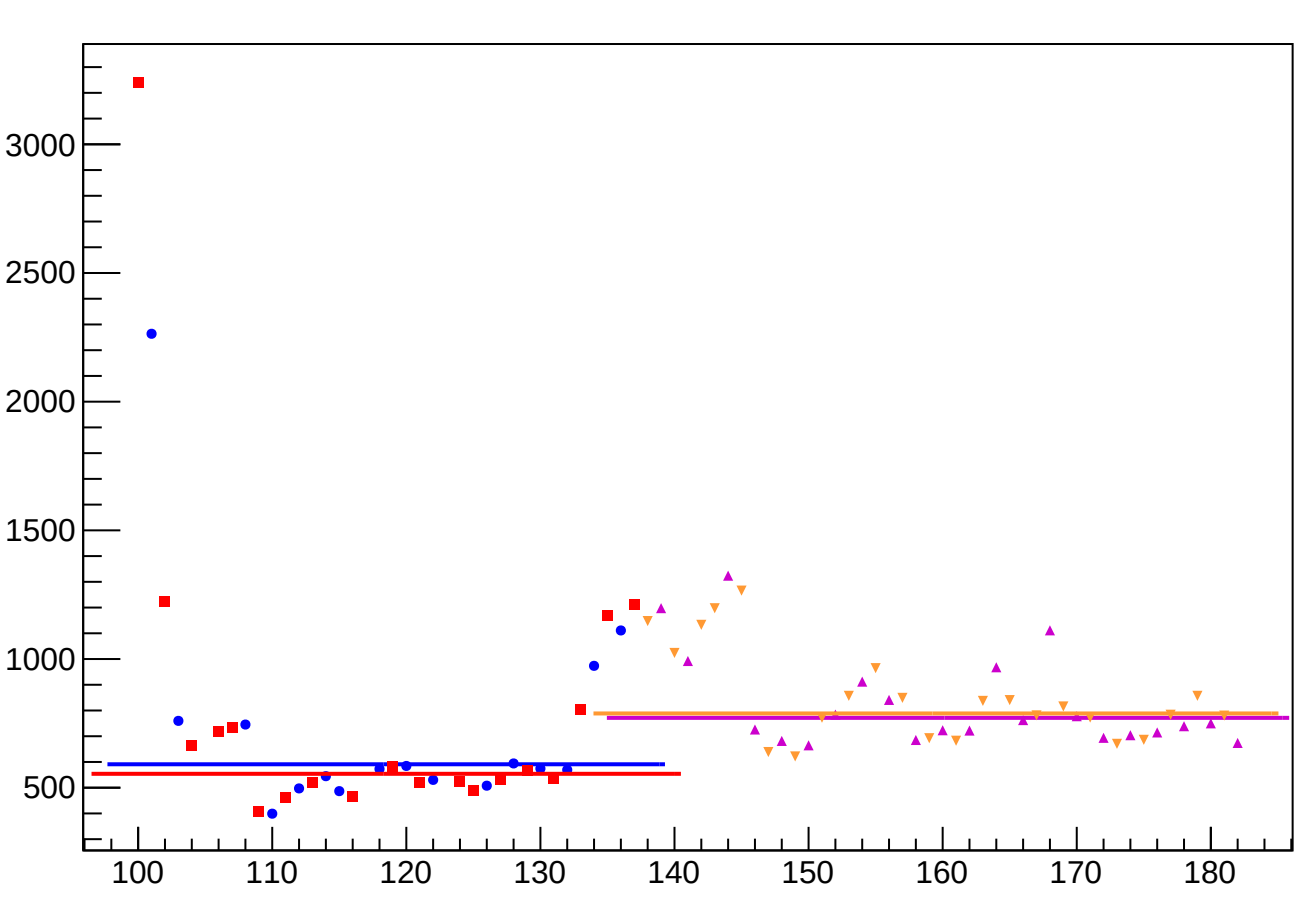
Left: -287.632+/-132.107 χ^2/NDF: 80.1/44

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 84.543+/-145.096 χ^2/NDF:35.6/37

Out: -136.868+/-142.008 χ^2/NDF:88.3/41

All: -28.543+/-101.489 χ^2/NDF: 125.1/79



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 788.487+/-0.133 χ^2/NDF:1186191.1/22

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 771.418+/-0.131 χ^2/NDF:1075120.5/21

Left: 779.802+/-0.093 χ^2/NDF: 2269656.0/44

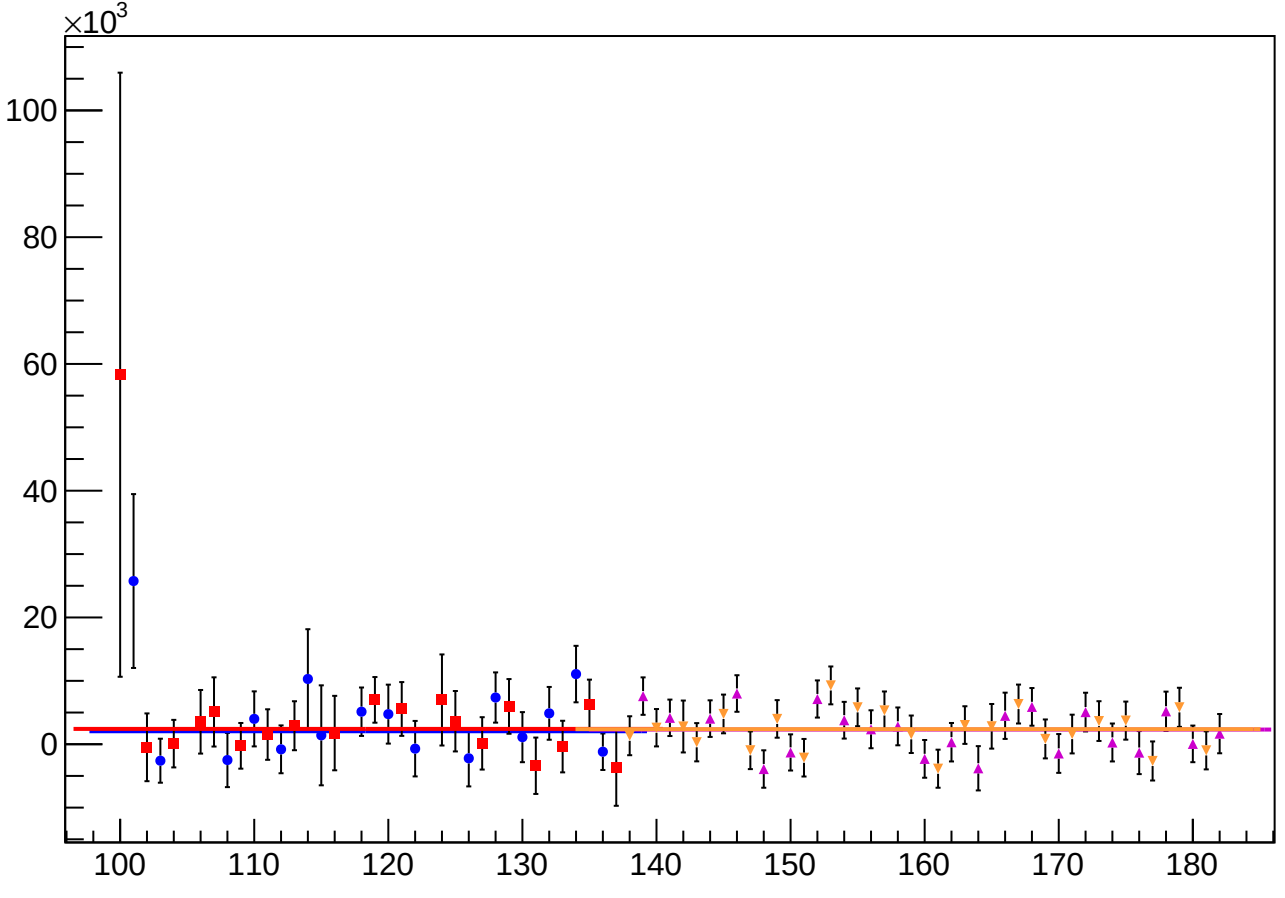
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 701.758+/-0.103 χ^2/NDF:3375468.4/37

Out: 687.077+/-0.100 χ^2/NDF:3641690.6/41

All: 694.260+/-0.072 χ^2/NDF: 7027618.0/79

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2376.573+/-639.199 χ^2/NDF:24.7/22

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2315.124+/-644.923 χ^2/NDF:30.1/21

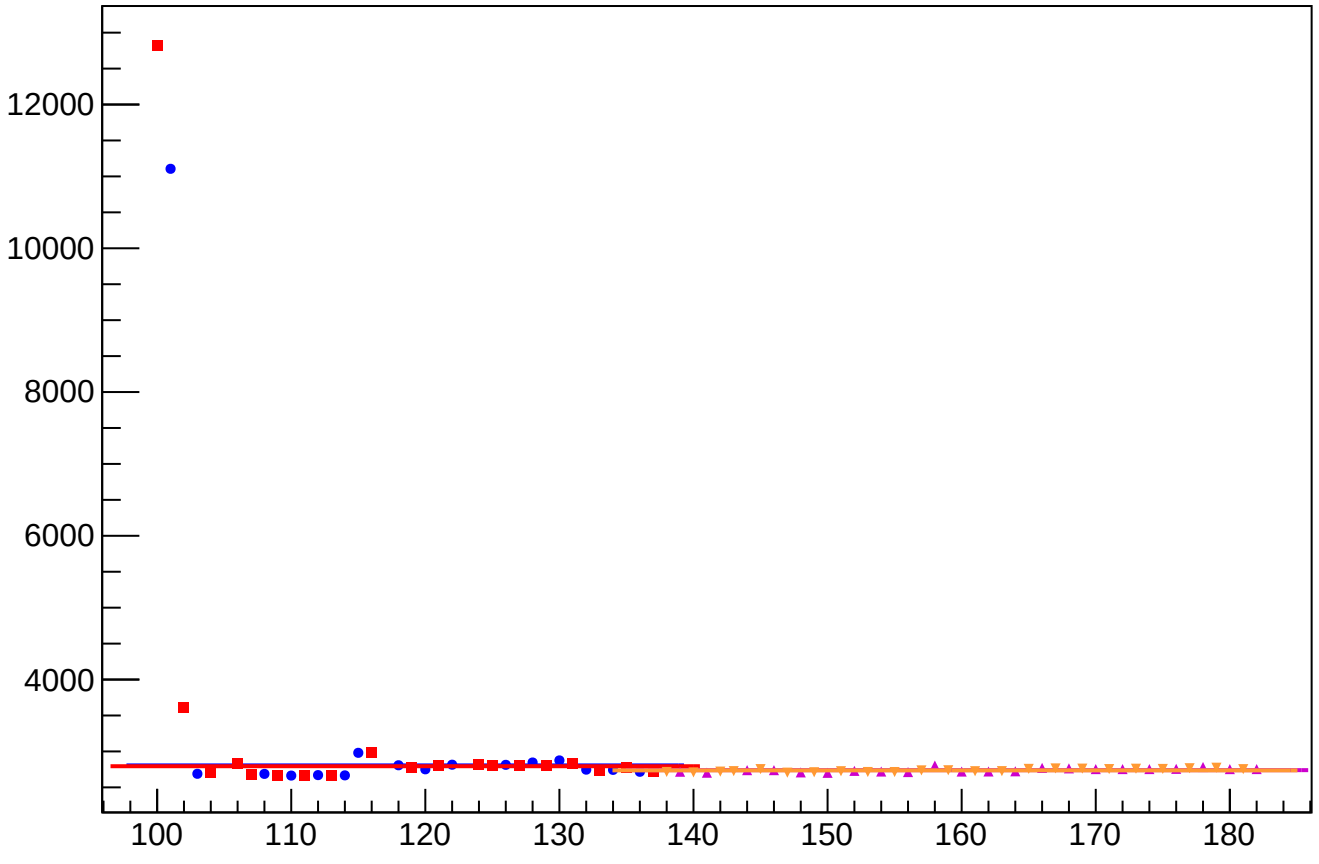
Left: 2346.122+/-453.992 χ^2/NDF: 54.7/44

Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2244.163+/-552.404 χ^2/NDF:47.9/37

Out: 2387.941+/-544.258 χ^2/NDF:35.5/41

All: 2317.120+/-387.696 χ^2/NDF: 83.4/79



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2736.796+/-0.452 χ^2/NDF:2266.2/22

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2739.612+/-0.456 χ^2/NDF:3343.1/21

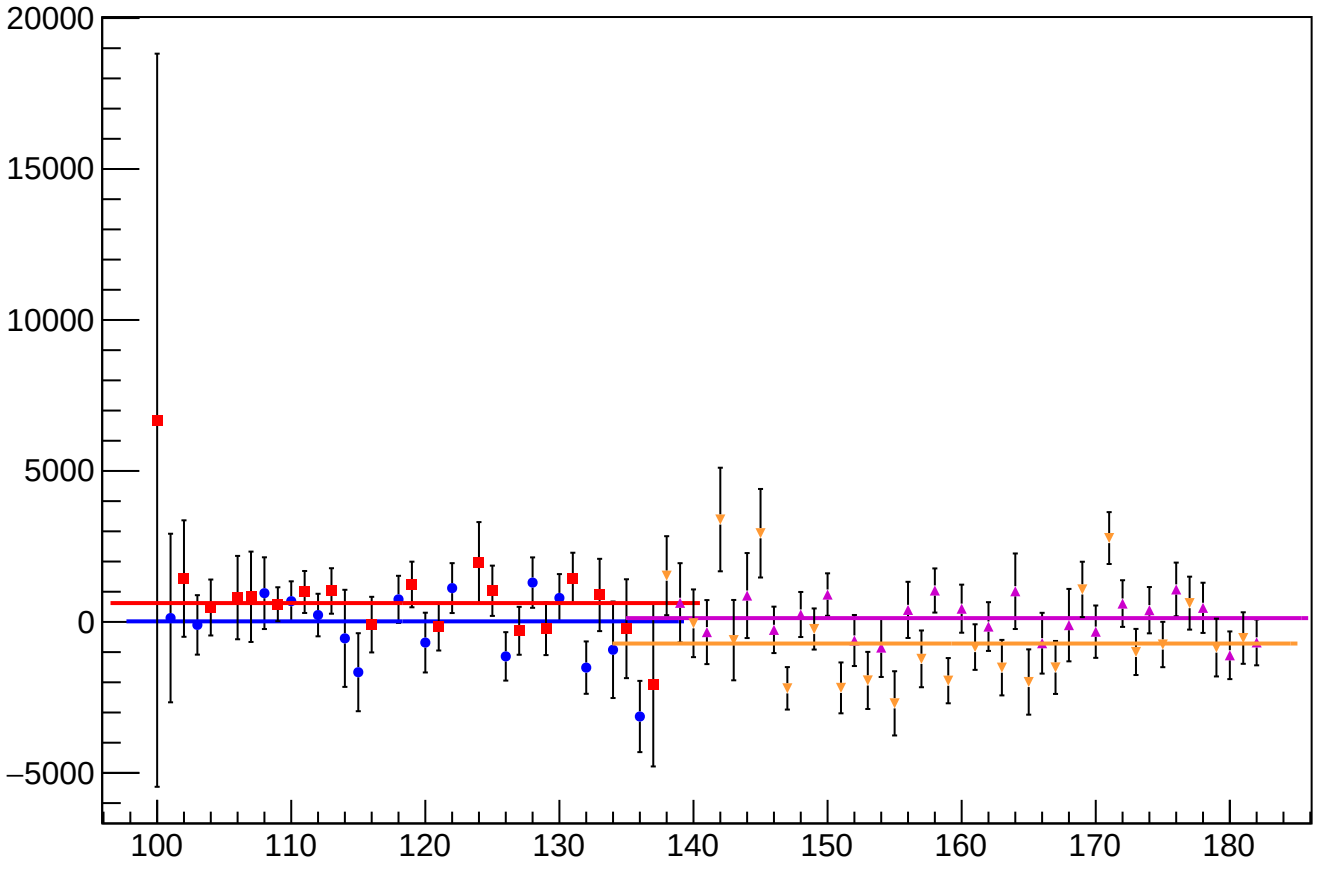
Left: 2738.192+/-0.321 χ^2/NDF: 5628.6/44

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2757.146+/-0.391 χ^2/NDF:755133.4/37

Out: 2752.571+/-0.385 χ^2/NDF:153439.7/41

All: 2754.824+/-0.274 χ^2/NDF: 908642.7/79



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -715.922+/-188.499 χ^2/NDF:57.2/22

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 125.906+/-185.199 χ^2/NDF:12.7/21

Left: -287.575+/-132.107 χ^2/NDF: 80.1/44

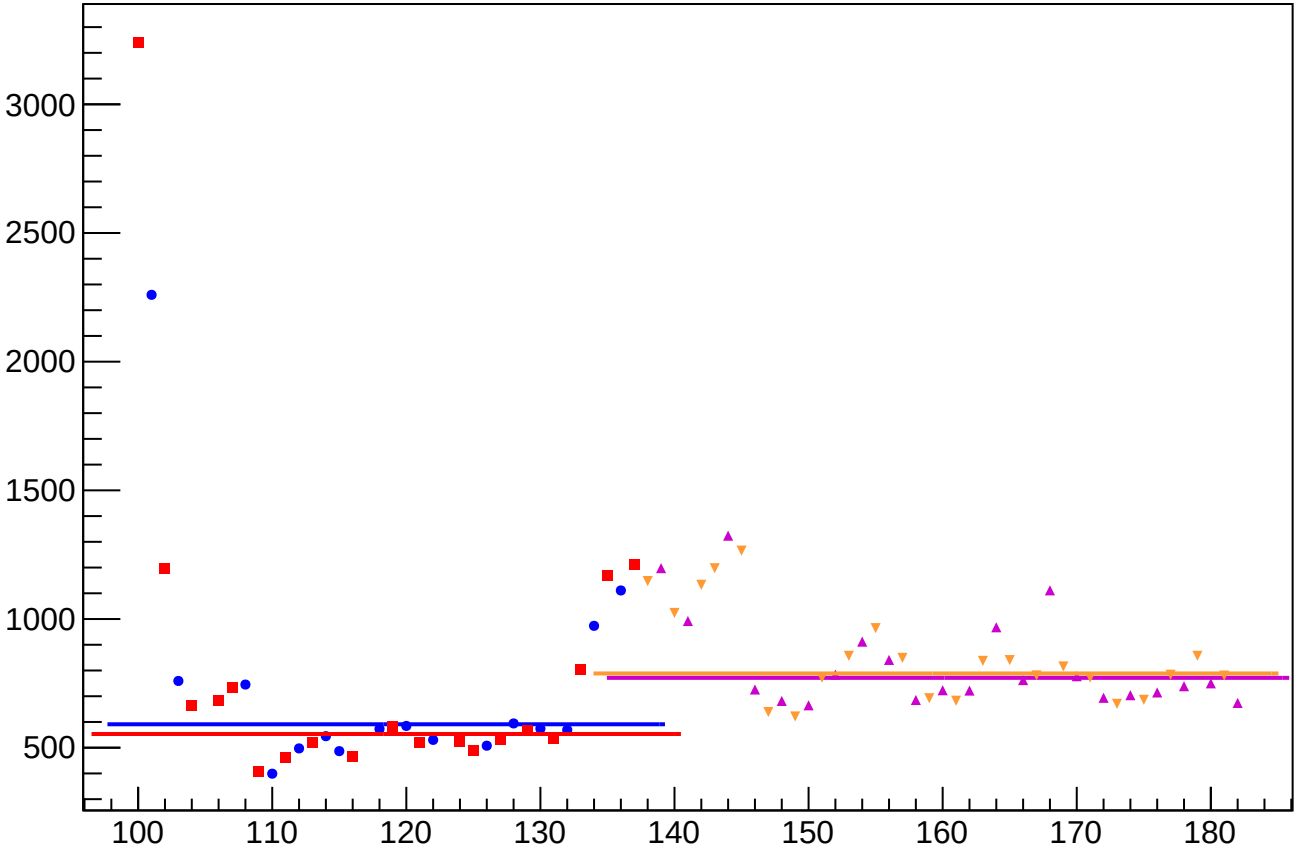
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 84.595+/-145.093 χ^2/NDF:35.6/37

Out: -136.247+/-141.995 χ^2/NDF:88.2/41

All: -28.210+/-101.483 χ^2/NDF: 125.0/79

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 788.485+/-0.133 χ^2/NDF:1186219.0/22

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 771.420+/-0.131 χ^2/NDF:1075064.2/21

Left: 779.802+/-0.093 χ^2/NDF: 2269623.4/44

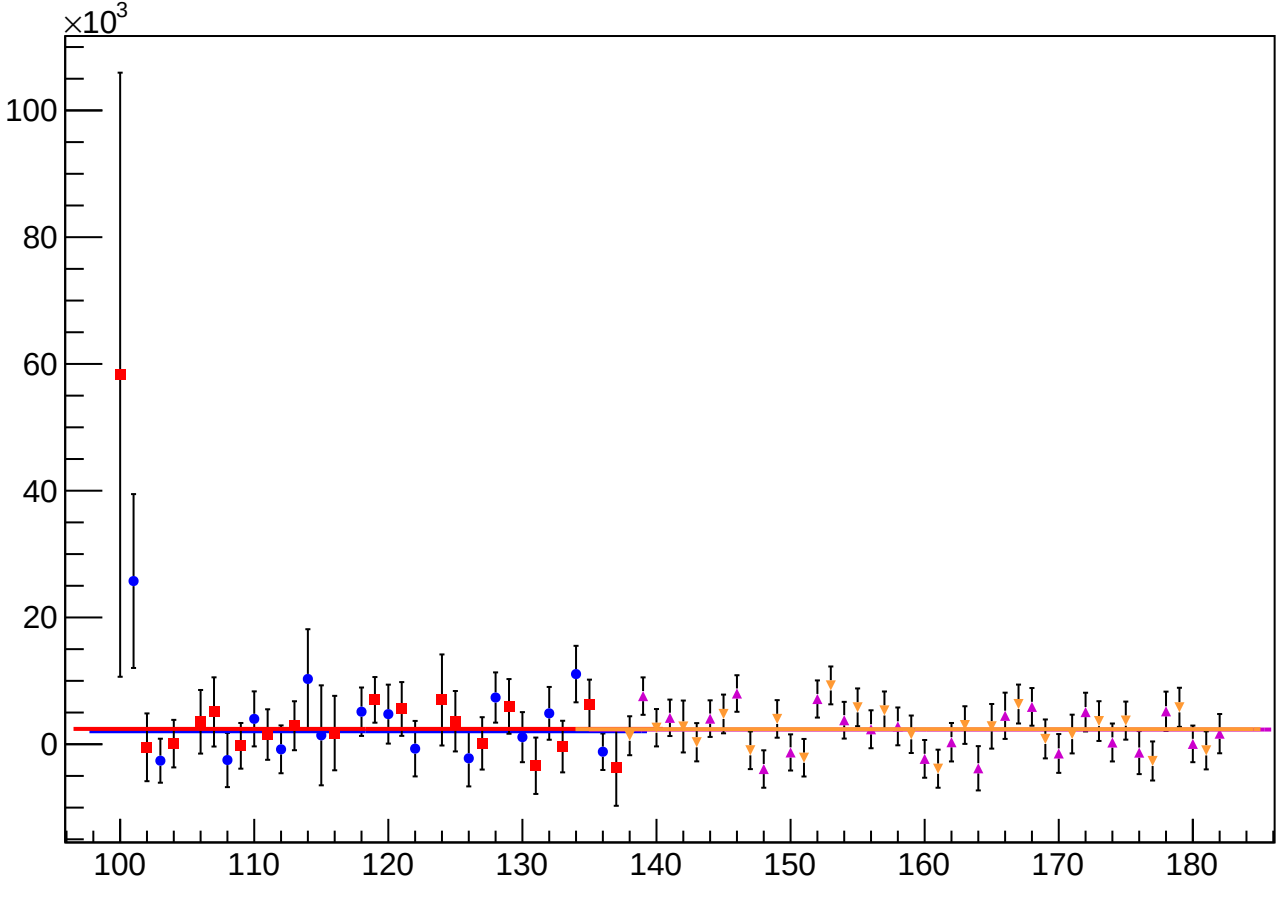
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 701.755+/-0.103 χ^2/NDF:3374457.0/37

Out: 686.727+/-0.100 χ^2/NDF:3635321.8/41

All: 694.079+/-0.072 χ^2/NDF: 7020737.5/79

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2376.573+/-639.199 χ^2/NDF:24.7/22

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2315.124+/-644.923 χ^2/NDF:30.1/21

Left: 2346.122+/-453.992 χ^2/NDF: 54.7/44

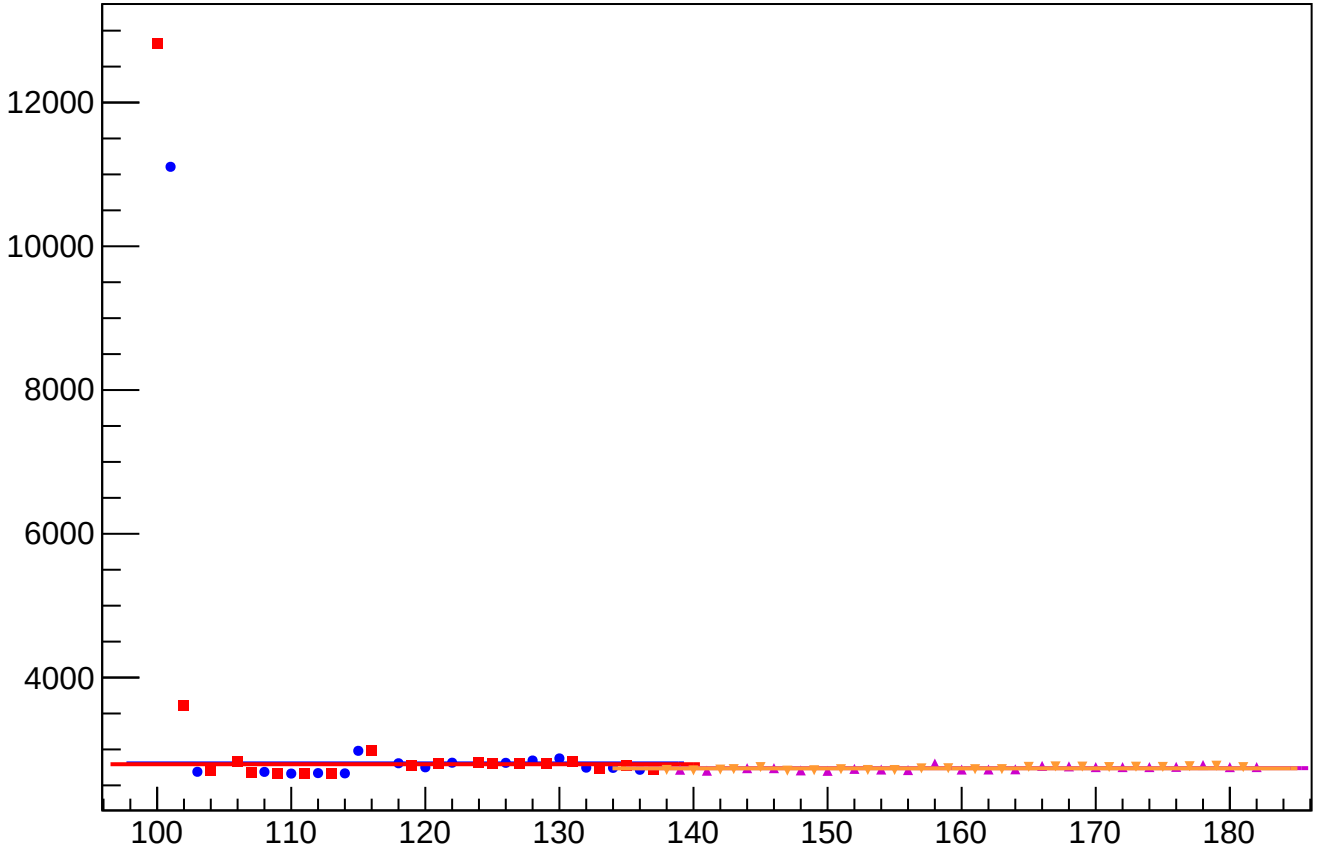
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2244.163+/-552.404 χ^2/NDF:47.9/37

Out: 2387.941+/-544.258 χ^2/NDF:35.5/41

All: 2317.120+/-387.696 χ^2/NDF: 83.4/79

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2736.796+/-0.452 χ^2/NDF:2266.2/22

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2739.612+/-0.456 χ^2/NDF:3343.1/21

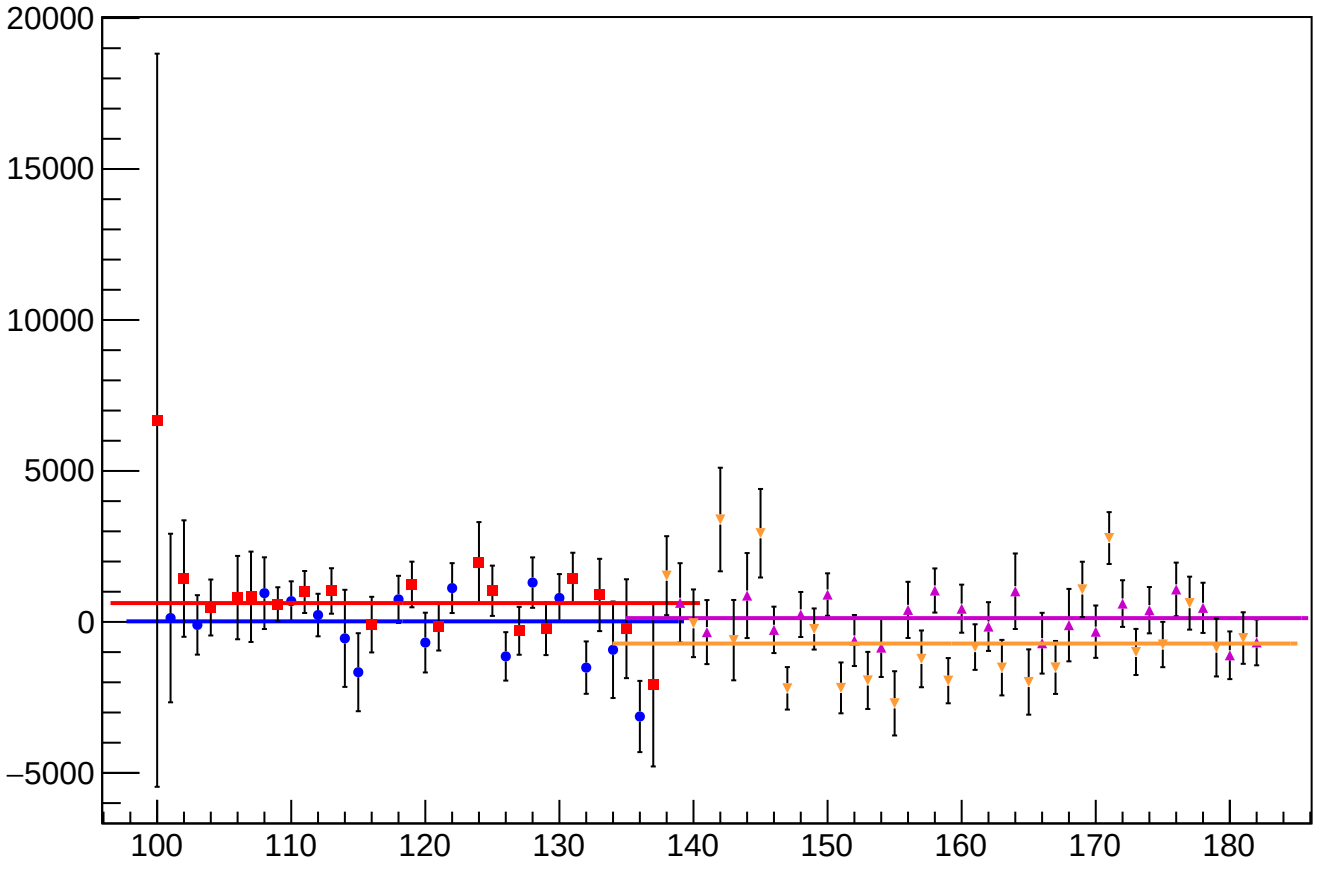
Left: 2738.192+/-0.321 χ^2/NDF: 5628.6/44

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2757.146+/-0.391 χ^2/NDF:755133.4/37

Out: 2752.571+/-0.385 χ^2/NDF:153439.7/41

All: 2754.824+/-0.274 χ^2/NDF: 908642.7/79



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -715.922+/-188.499 χ^2/NDF:57.2/22

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 125.906+/-185.199 χ^2/NDF:12.7/21

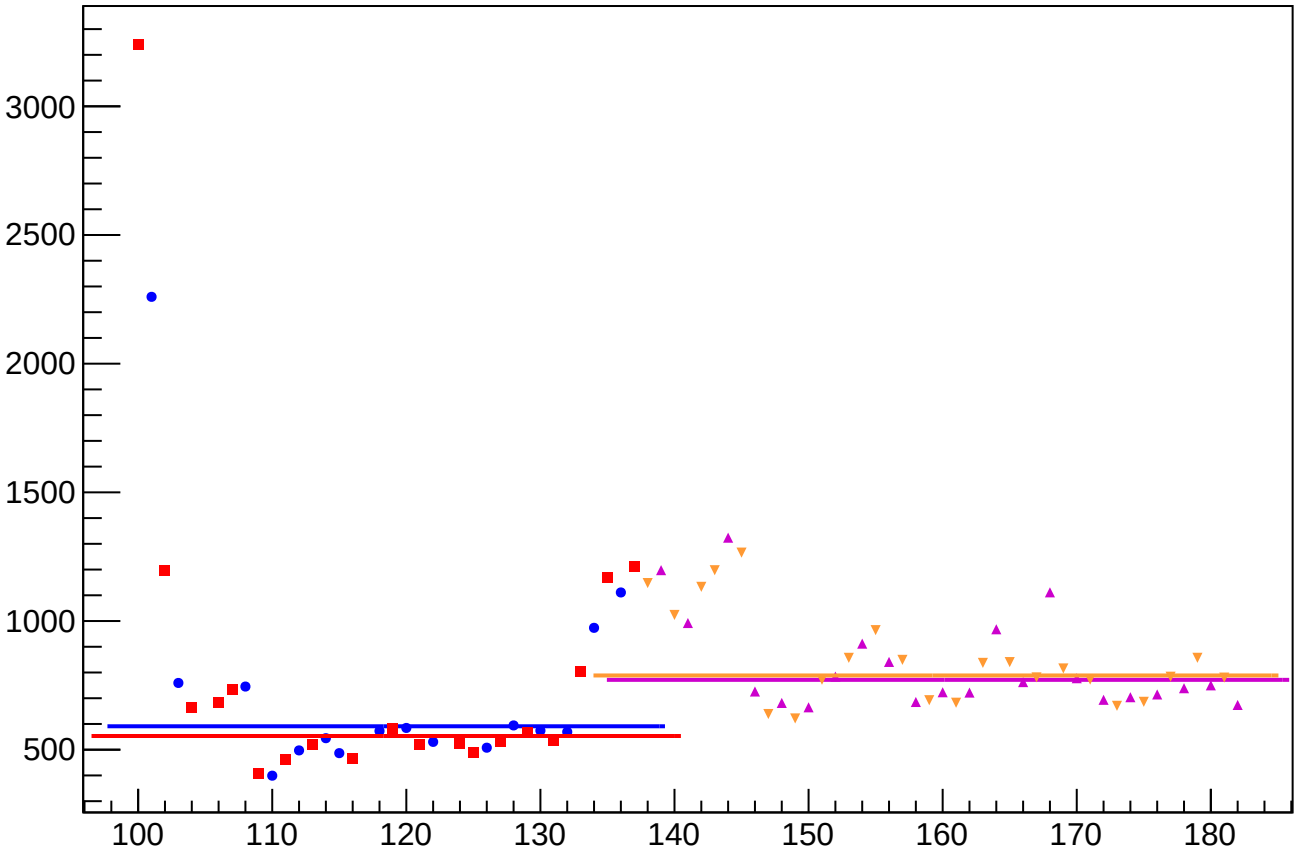
Left: -287.575+/-132.107 χ^2/NDF: 80.1/44

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 84.595+/-145.093 χ^2/NDF:35.6/37

Out: -136.247+/-141.995 χ^2/NDF:88.2/41

All: -28.210+/-101.483 χ^2/NDF: 125.0/79



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 788.485+/-0.133 χ^2/NDF:1186219.0/22

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 771.420+/-0.131 χ^2/NDF:1075064.2/21

Left: 779.802+/-0.093 χ^2/NDF: 2269623.4/44

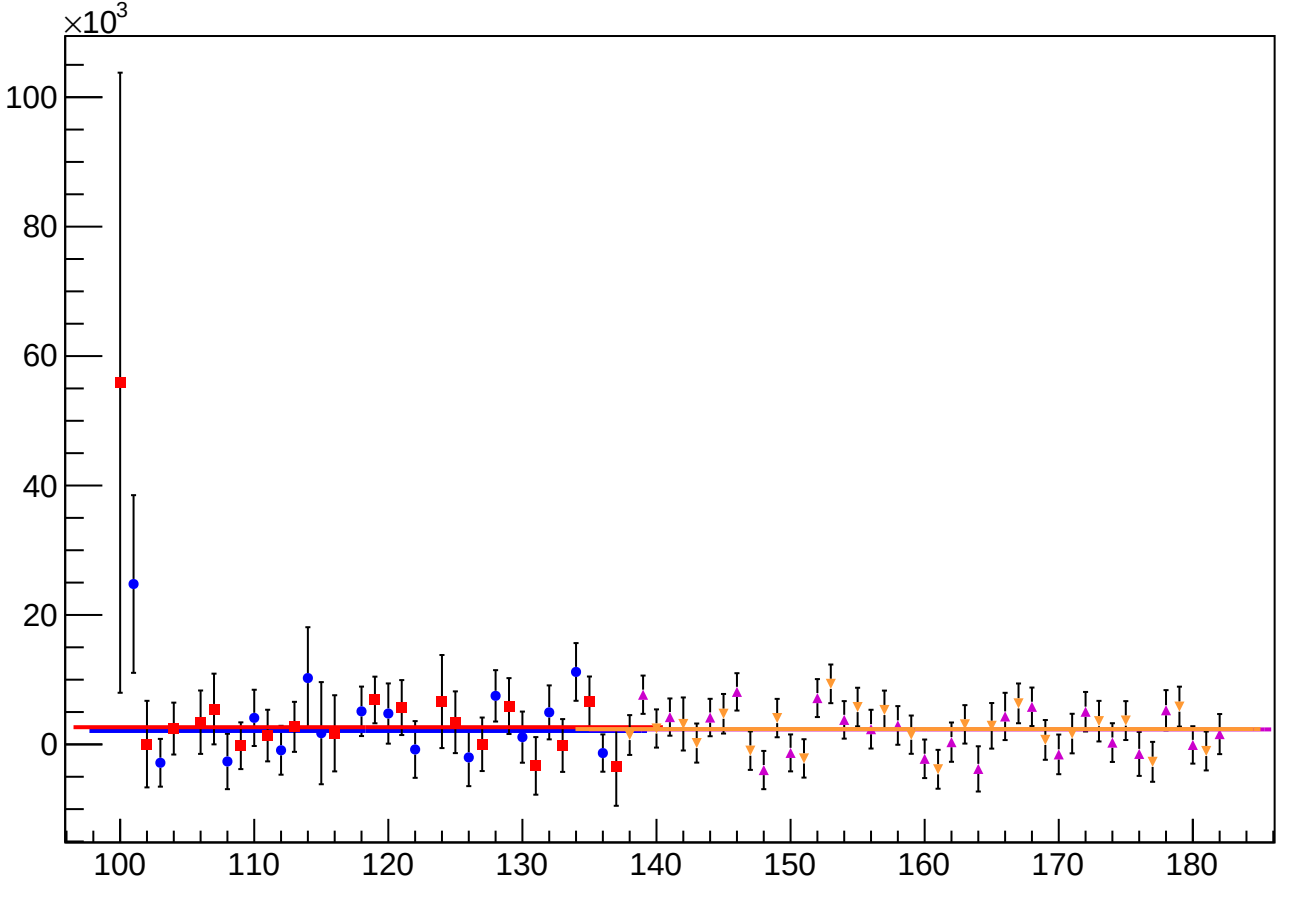
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 701.755+/-0.103 χ^2/NDF:3374457.0/37

Out: 686.727+/-0.100 χ^2/NDF:3635321.8/41

All: 694.079+/-0.072 χ^2/NDF: 7020737.5/79

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2367.665+/-639.619 χ^2/NDF:24.9/22

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2314.271+/-645.285 χ^2/NDF:30.5/21

Left: 2341.204+/-454.269 χ^2/NDF: 55.5/44

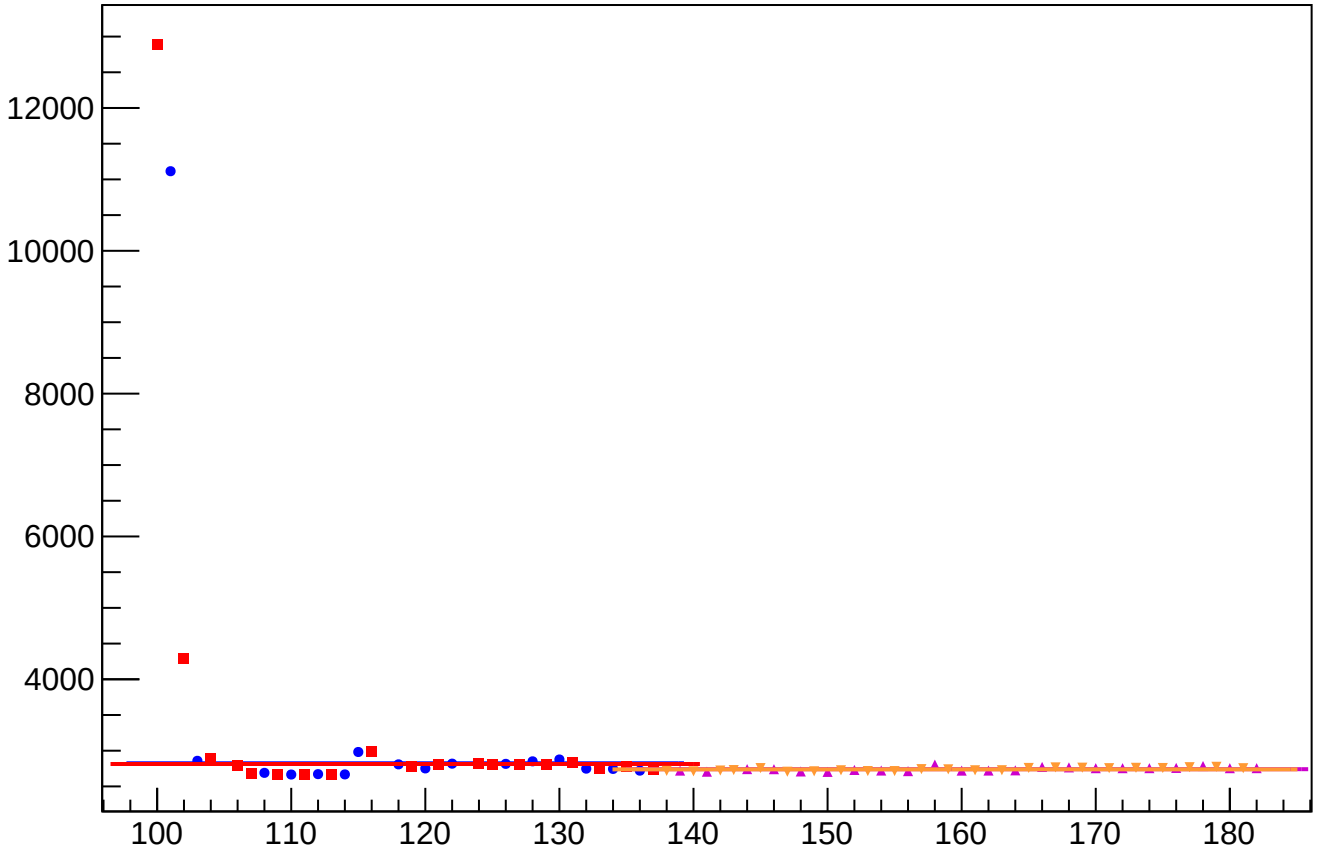
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2251.021+/-553.560 χ^2/NDF:48.5/37

Out: 2446.068+/-546.230 χ^2/NDF:34.9/41

All: 2349.844+/-388.808 χ^2/NDF: 83.4/79

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2738.590+/-0.452 χ^2/NDF:2273.0/22

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2741.145+/-0.456 χ^2/NDF:3351.6/21

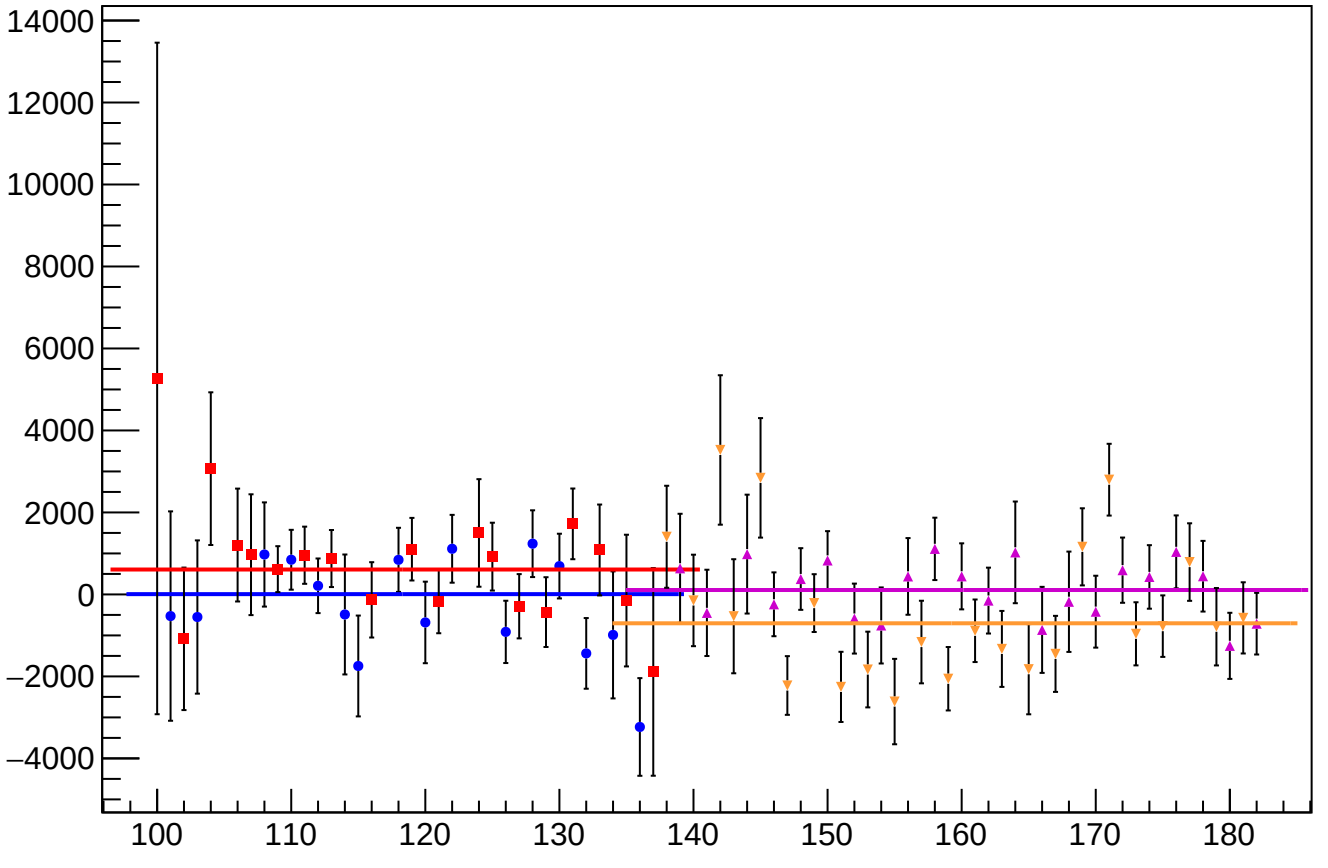
Left: 2739.856+/-0.321 χ^2/NDF: 5640.4/44

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2762.881+/-0.391 χ^2/NDF:755859.9/37

Out: 2758.955+/-0.386 χ^2/NDF:210274.7/41

All: 2760.891+/-0.275 χ^2/NDF: 966185.6/79



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -704.157+/-191.922 χ^2/NDF:55.6/22

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 107.746+/-187.318 χ^2/NDF:13.5/21

Left: -288.349+/-134.052 χ^2/NDF: 78.3/44

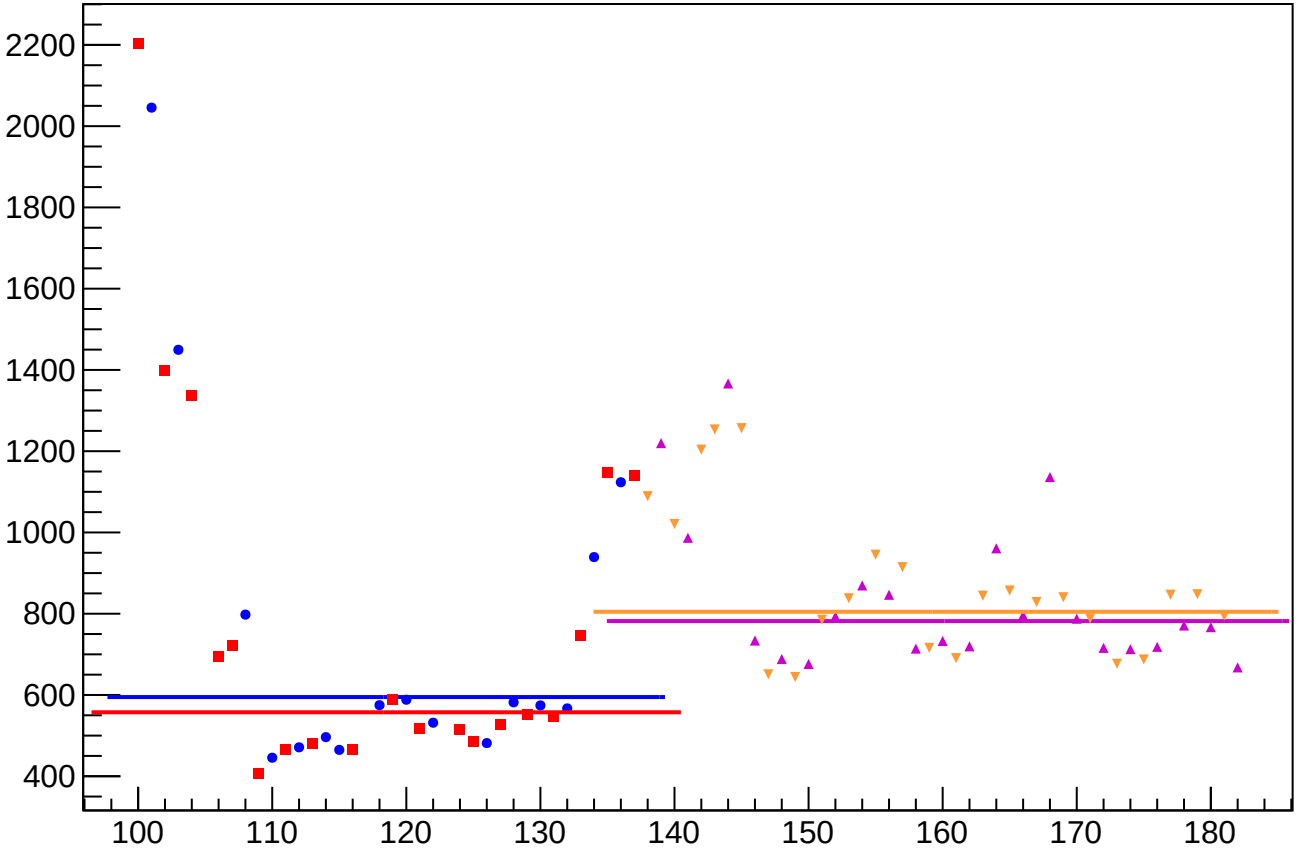
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 69.119+/-147.067 χ^2/NDF:36.4/37

Out: -128.680+/-143.789 χ^2/NDF:88.3/41

All: -32.009+/-102.813 χ^2/NDF: 125.6/79

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 804.739+/-0.136 χ^2/NDF:1132111.8/22

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 781.863+/-0.132 χ^2/NDF:1059722.8/21

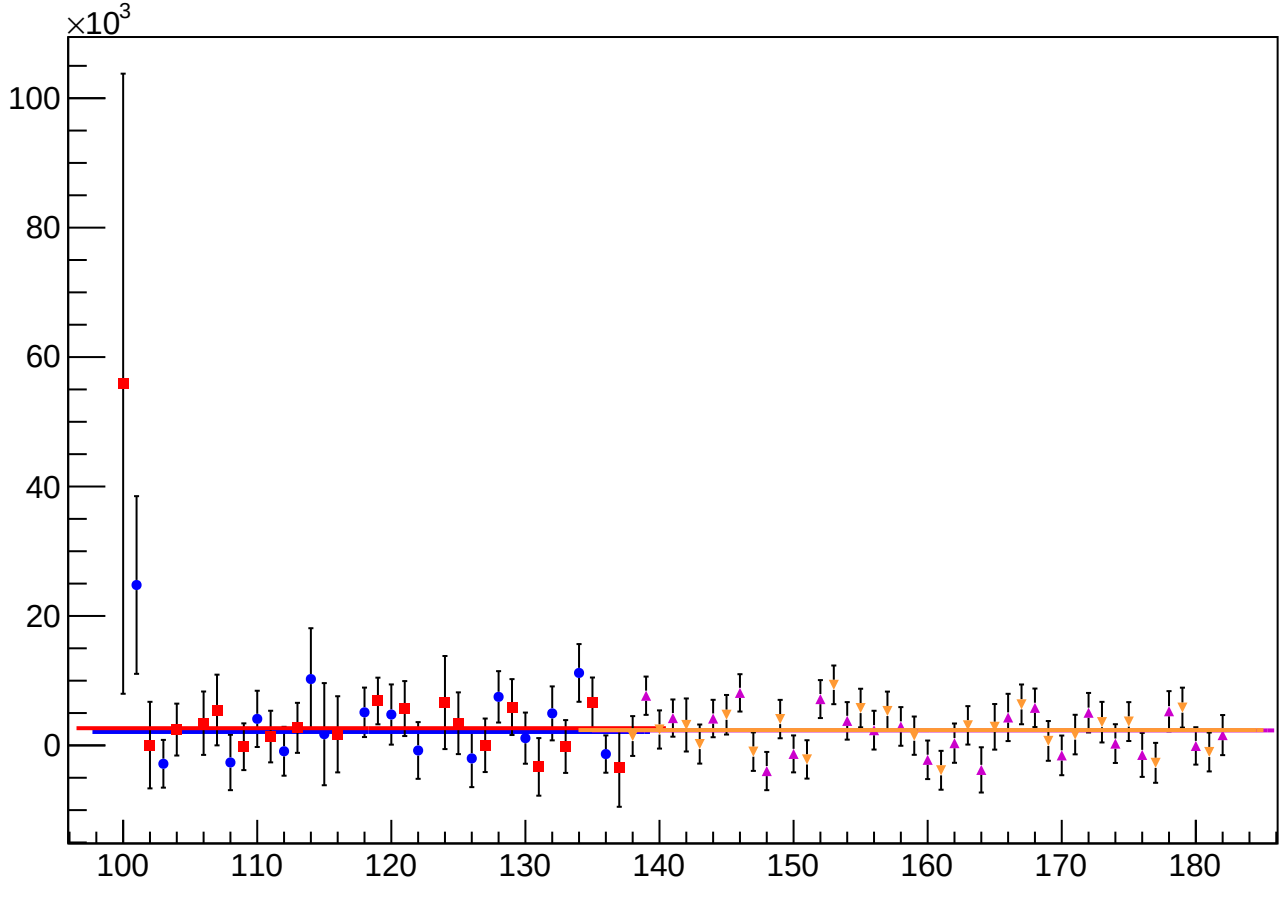
Left: 793.024+/-0.095 χ^2/NDF: 2206386.3/44

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 710.130+/-0.104 χ^2/NDF:3677002.3/37

Out: 696.232+/-0.102 χ^2/NDF:4220671.9/41

All: 703.025+/-0.073 χ^2/NDF: 7906805.8/79



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2367.666+/-639.619 χ^2/NDF:24.9/22

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2314.271+/-645.285 χ^2/NDF:30.5/21

Left: 2341.204+/-454.269 χ^2/NDF: 55.5/44

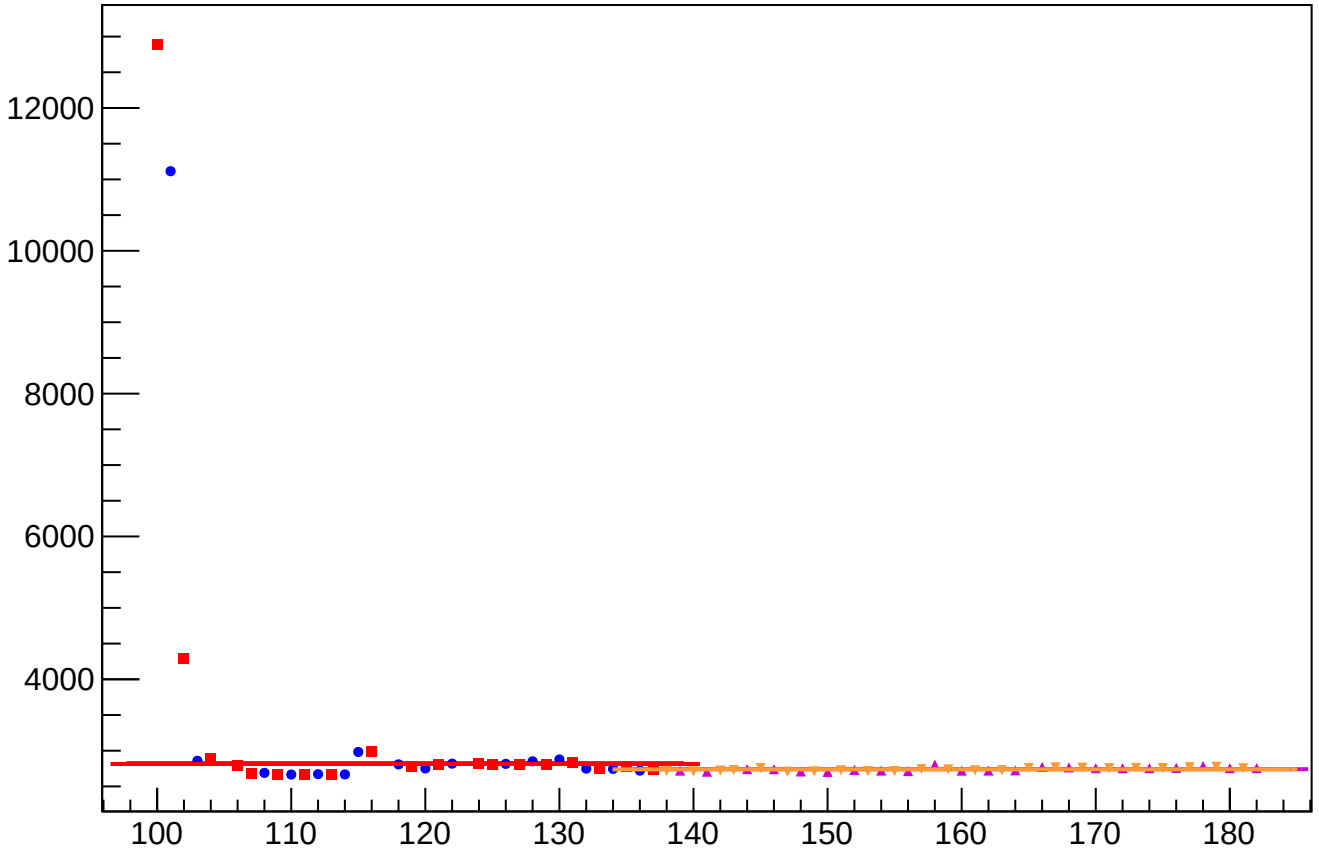
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2251.020+/-553.560 χ^2/NDF:48.5/37

Out: 2446.069+/-546.230 χ^2/NDF:34.9/41

All: 2349.844+/-388.808 χ^2/NDF: 83.4/79

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2738.590+/-0.452 χ^2/NDF:2273.0/22

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2741.145+/-0.456 χ^2/NDF:3351.6/21

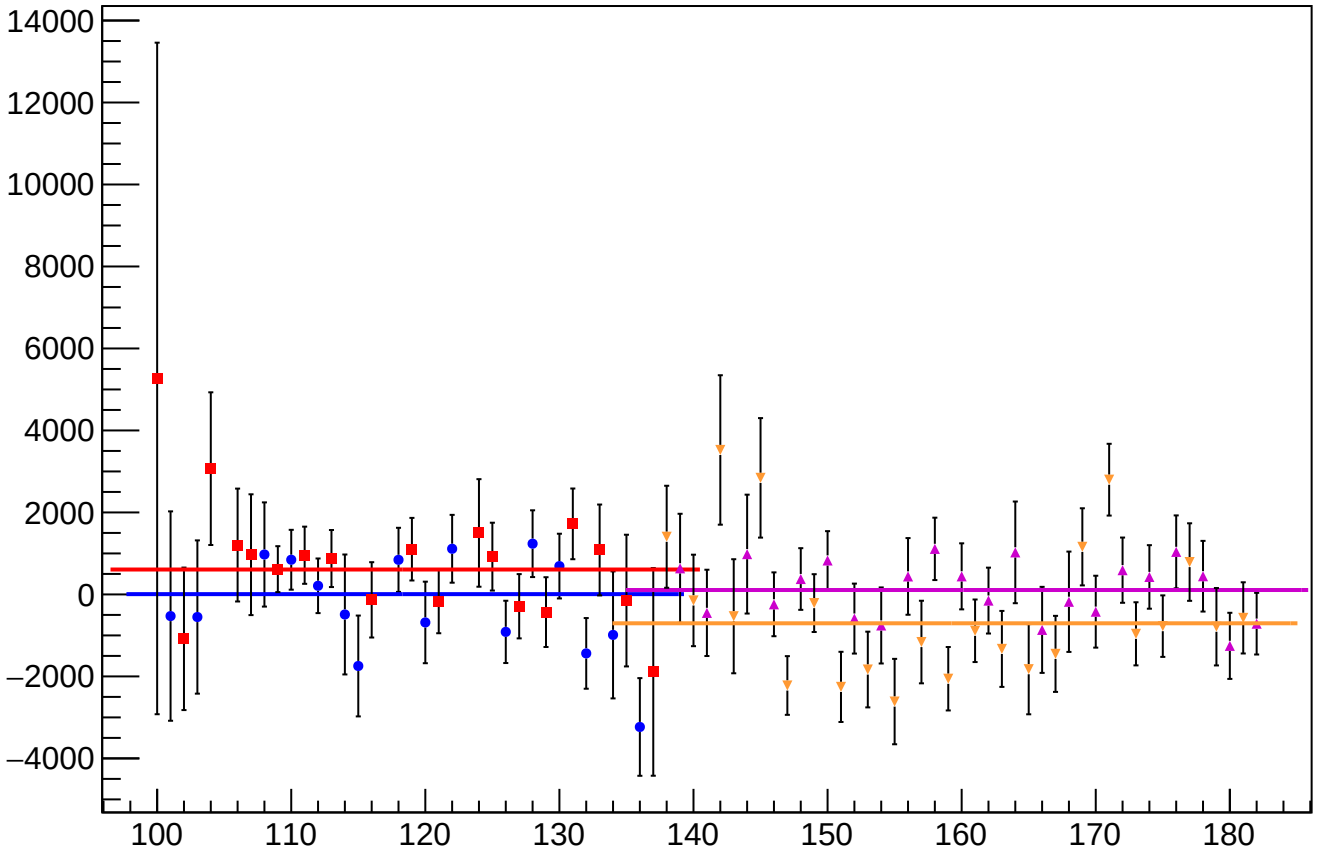
Left: 2739.856+/-0.321 χ^2/NDF: 5640.4/44

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2762.881+/-0.391 χ^2/NDF:755859.8/37

Out: 2758.955+/-0.386 χ^2/NDF:210274.5/41

All: 2760.891+/-0.275 χ^2/NDF: 966185.3/79



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -704.157+/-191.922 χ^2/NDF:55.6/22

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 107.746+/-187.318 χ^2/NDF:13.5/21

Left: -288.349+/-134.052 χ^2/NDF: 78.3/44

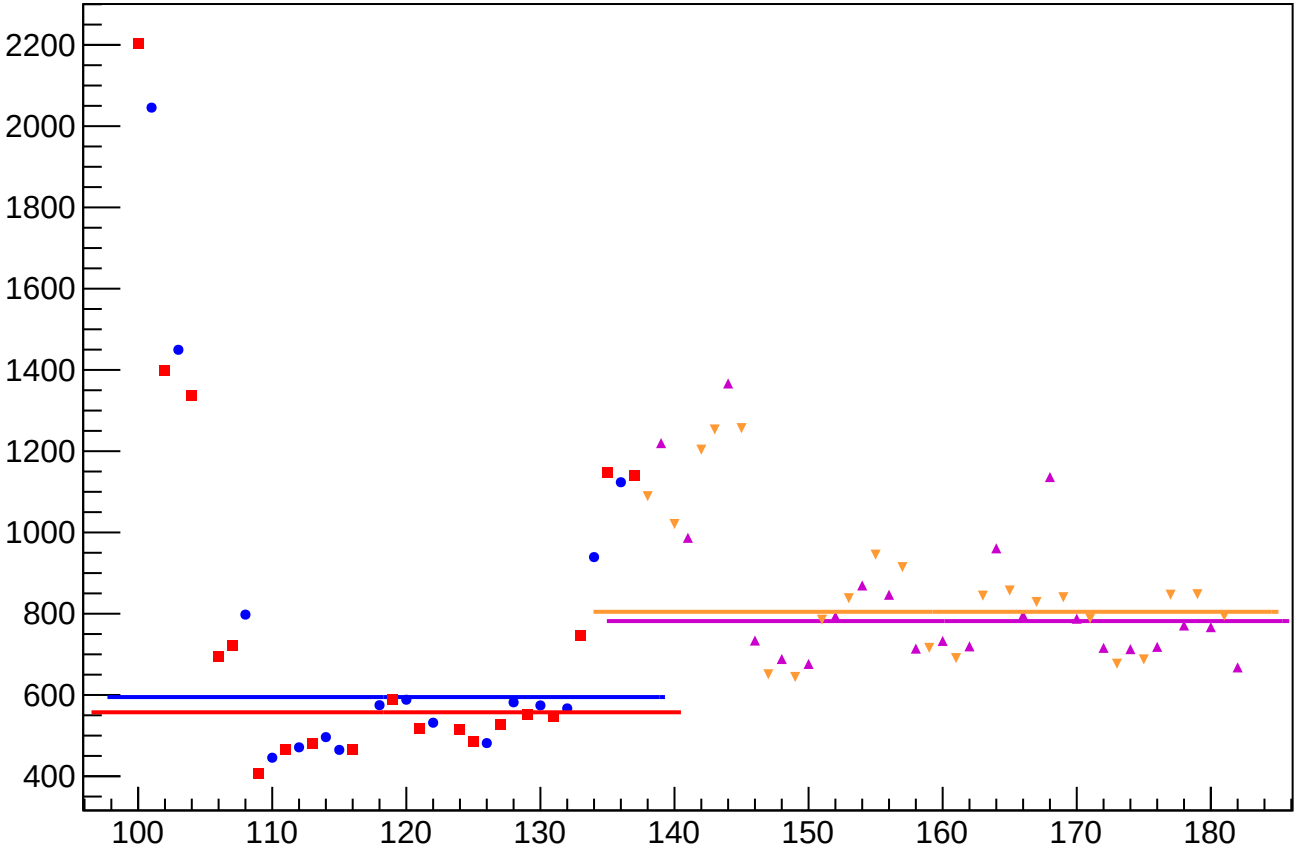
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 69.120+/-147.067 χ^2/NDF:36.4/37

Out: -128.680+/-143.789 χ^2/NDF:88.3/41

All: -32.009+/-102.813 χ^2/NDF: 125.6/79

asym_atr1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 804.739+/-0.136 χ^2/NDF:1132114.0/22

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 781.863+/-0.132 χ^2/NDF:1059726.0/21

Left: 793.024+/-0.095 χ^2/NDF: 2206391.9/44

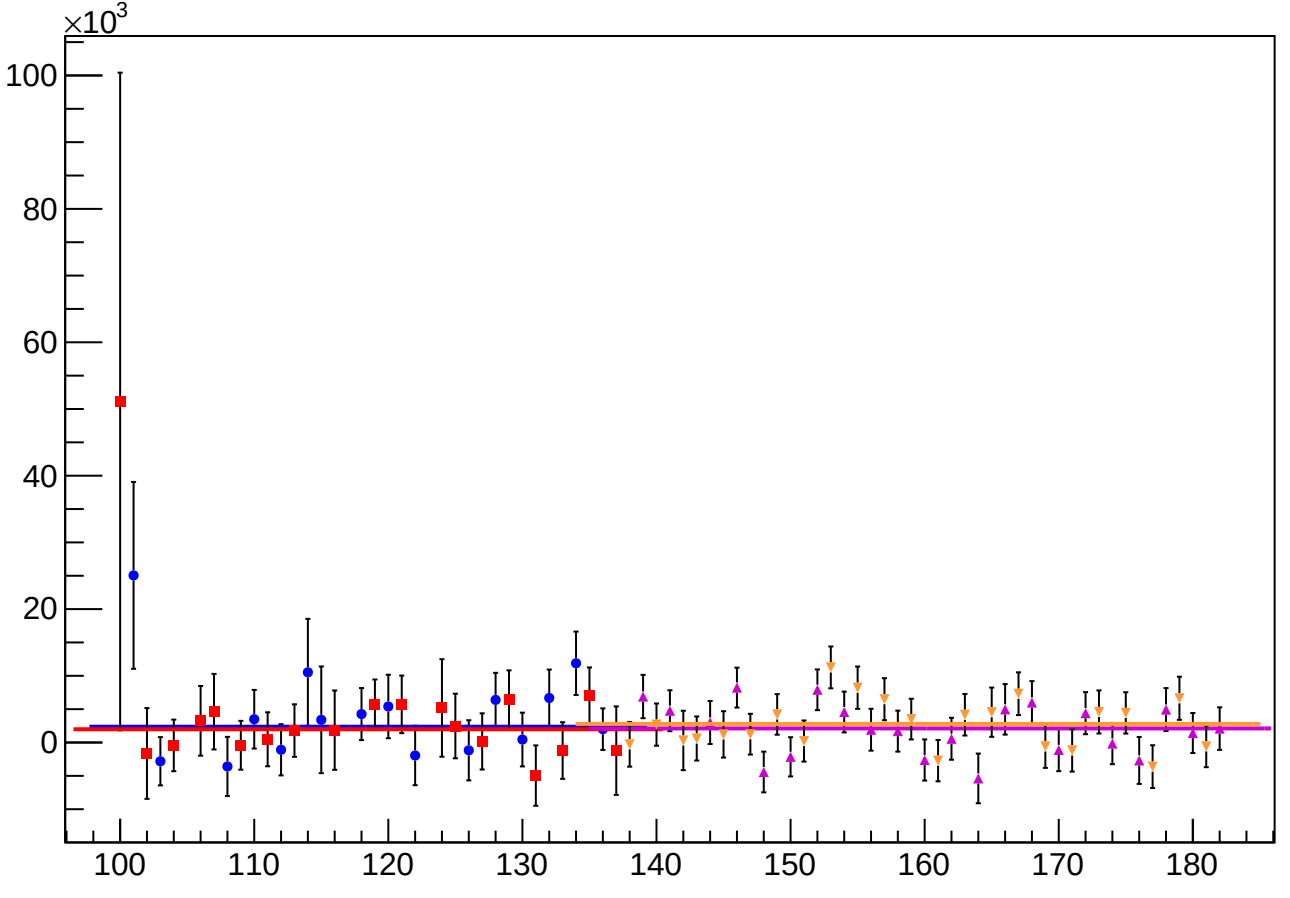
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 710.130+/-0.104 χ^2/NDF:3676994.9/37

Out: 696.232+/-0.102 χ^2/NDF:4220670.0/41

All: 703.025+/-0.073 χ^2/NDF: 7906796.6/79

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2785.640+/-672.286 χ^2/NDF:30.0/22

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2108.886+/-675.900 χ^2/NDF:31.6/21

Left: 2449.077+/-476.650 χ^2/NDF: 62.1/44

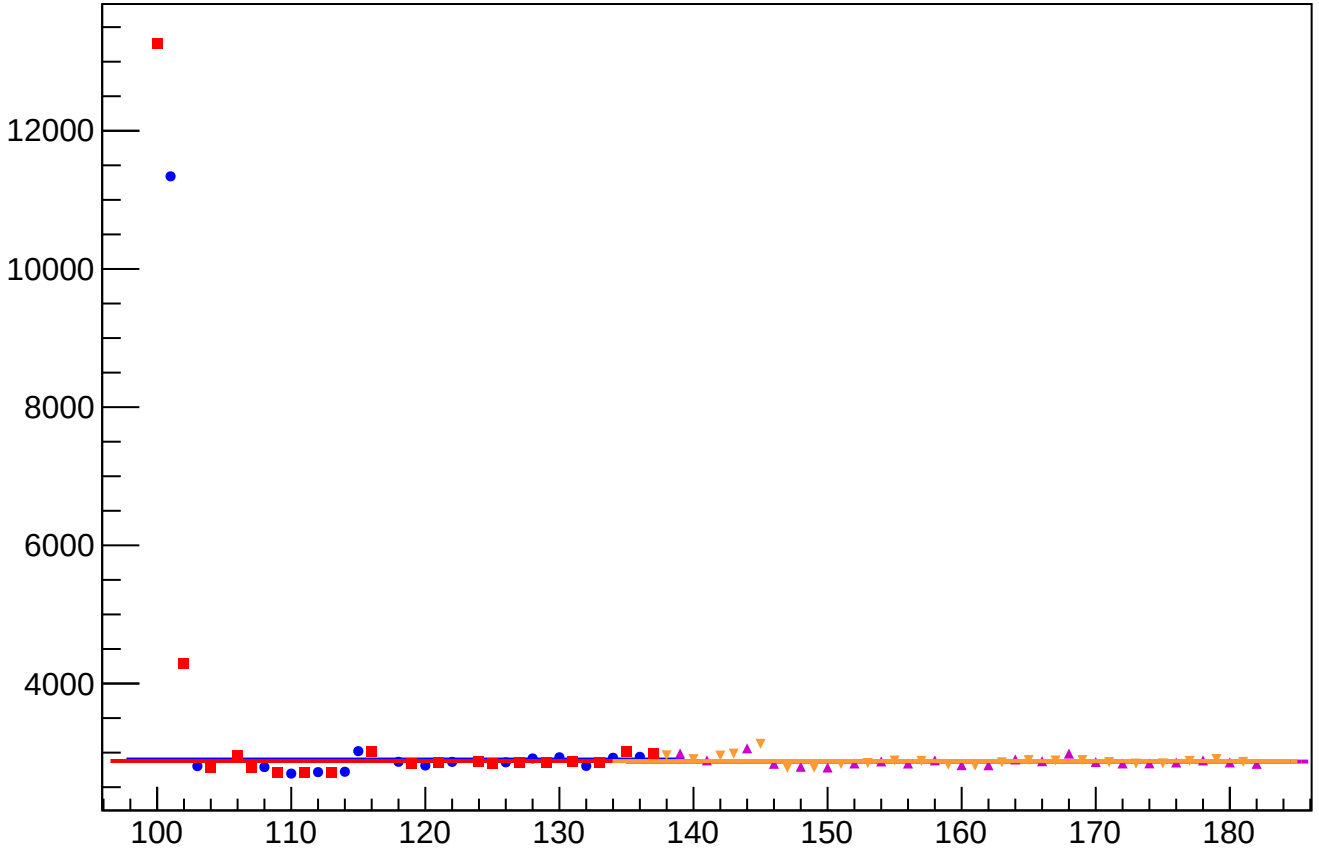
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2179.100+/-576.759 χ^2/NDF:48.5/37

Out: 2561.210+/-570.045 χ^2/NDF:40.7/41

All: 2372.392+/-405.436 χ^2/NDF: 89.4/79

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2877.348+/-0.475 χ^2/NDF:21325.1/22

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2870.418+/-0.478 χ^2/NDF:17668.7/21

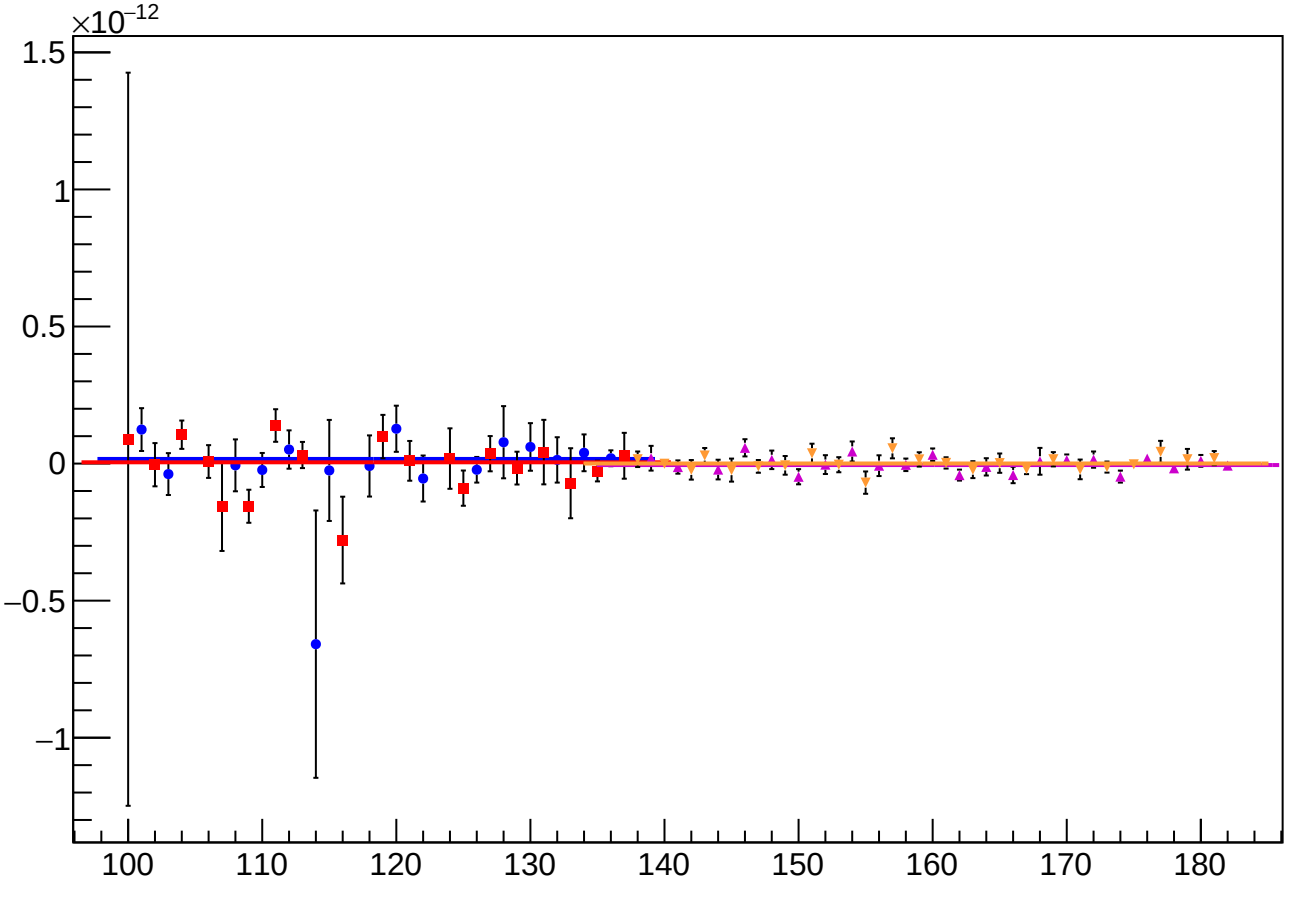
Left: 2873.902+/-0.337 χ^2/NDF: 39099.5/44

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2878.413+/-0.408 χ^2/NDF:760516.2/37

Out: 2877.800+/-0.403 χ^2/NDF:214610.7/41

All: 2878.103+/-0.287 χ^2/NDF: 975128.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:25.4/21

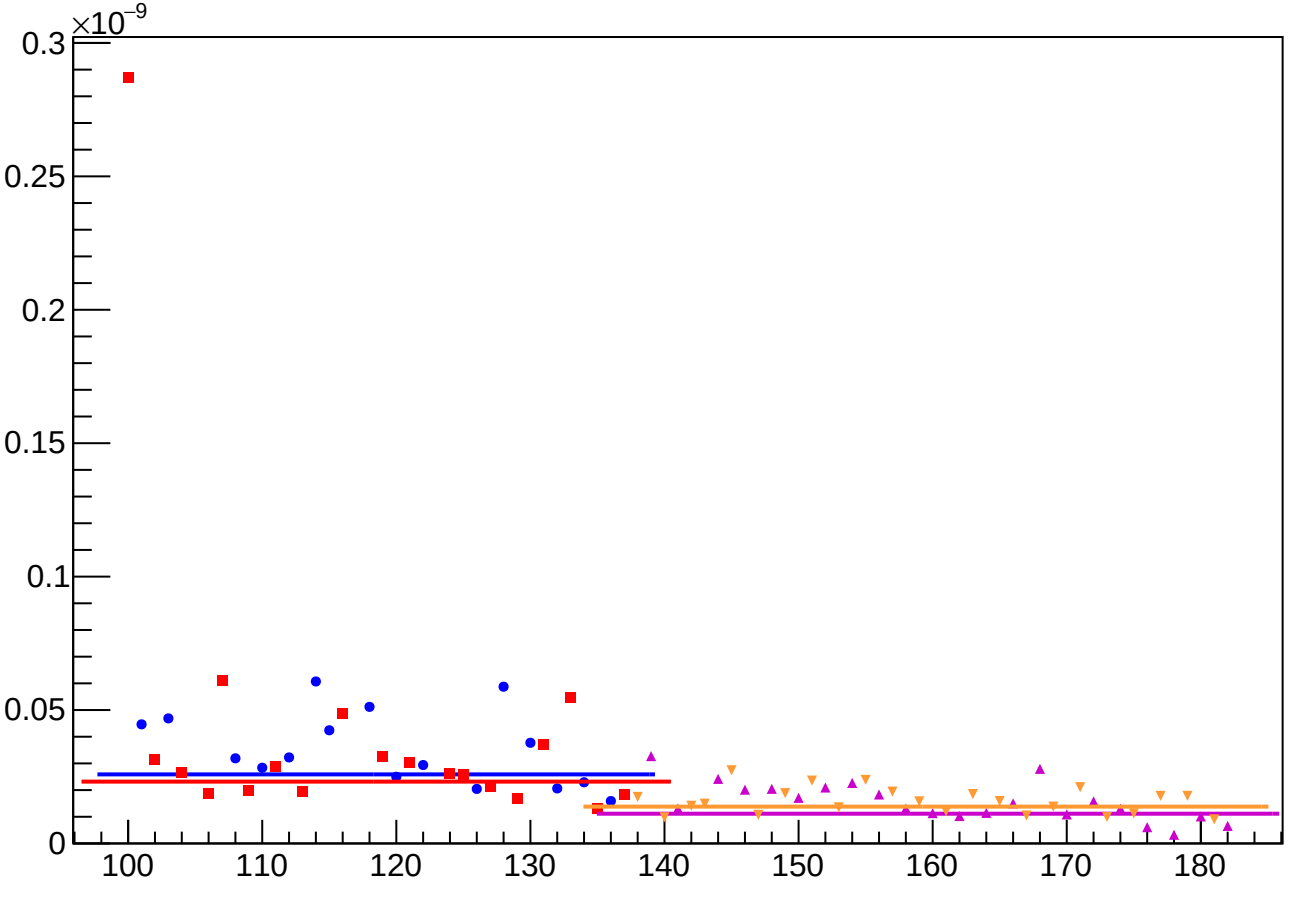
Left: -0.000+/-0.000 χ^2/NDF: 39.7/44

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:35.9/37

Out: 0.000+/-0.000 χ^2/NDF:39.5/41

All: -0.000+/-0.000 χ^2/NDF: 75.8/79



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1194489.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3164210.4/21

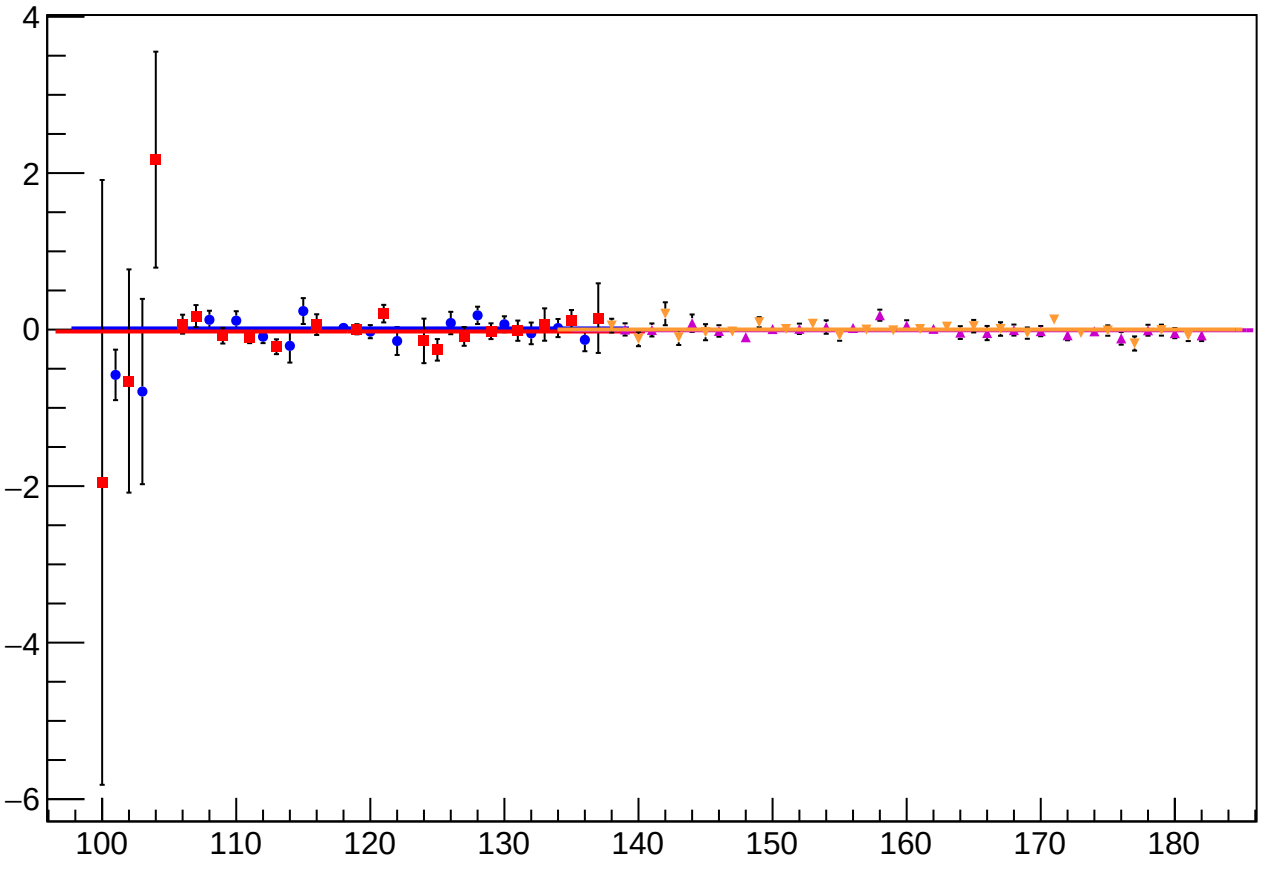
Left: 0.000+/-0.000 χ^2/NDF: 4610785.7/44

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:5430504.0/37

Out: 0.000+/-0.000 χ^2/NDF:2517698.1/41

All: 0.000+/-0.000 χ^2/NDF: 8193444.7/79



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:21.6/22

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.009+/-0.015 χ^2/NDF:15.5/21

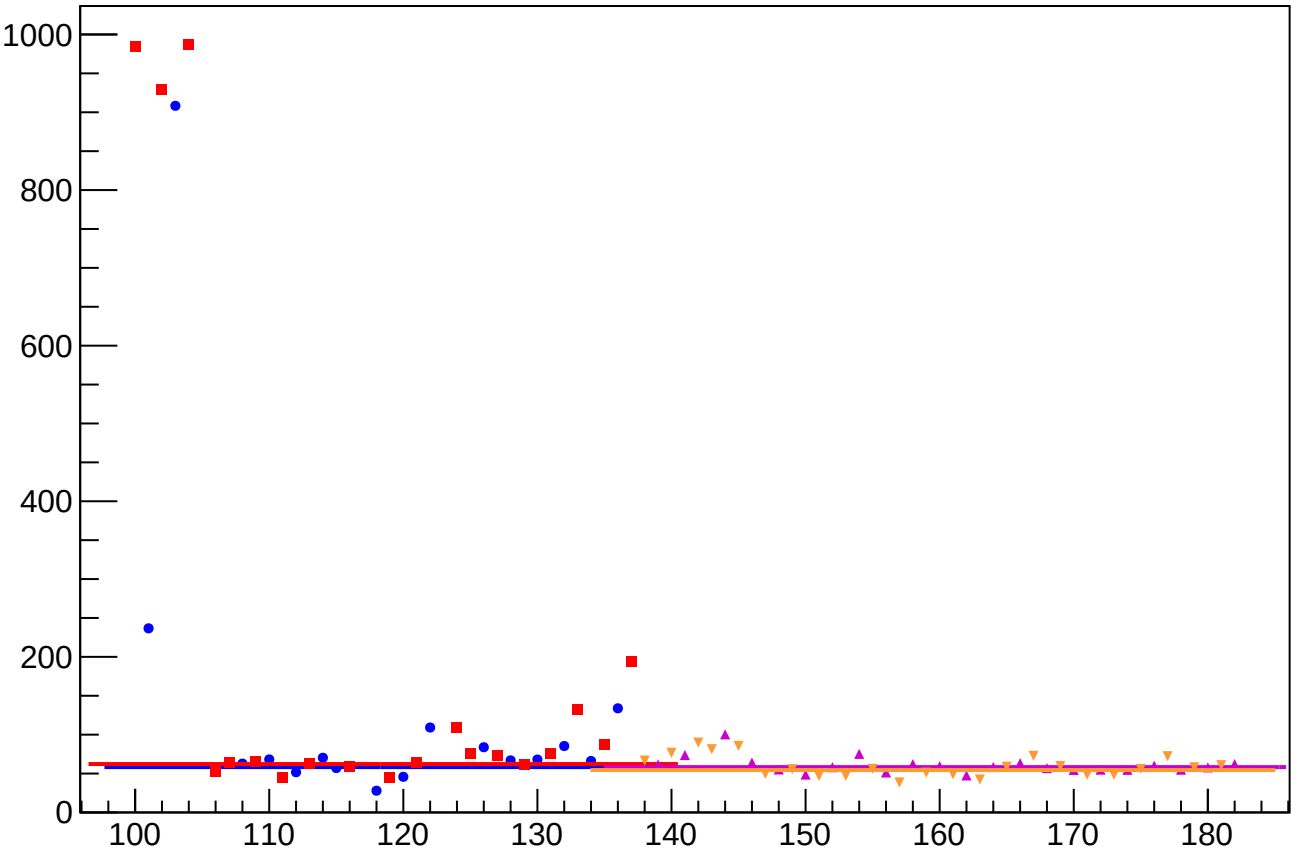
Left: -0.003+/-0.010 χ^2/NDF: 37.3/44

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.003+/-0.013 χ^2/NDF:31.1/37

Out: -0.004+/-0.013 χ^2/NDF:43.1/41

All: -0.004+/-0.009 χ^2/NDF: 74.1/79



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.520+/-0.010 χ^2/NDF:1196935.6/22

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.288+/-0.011 χ^2/NDF:647874.9/21

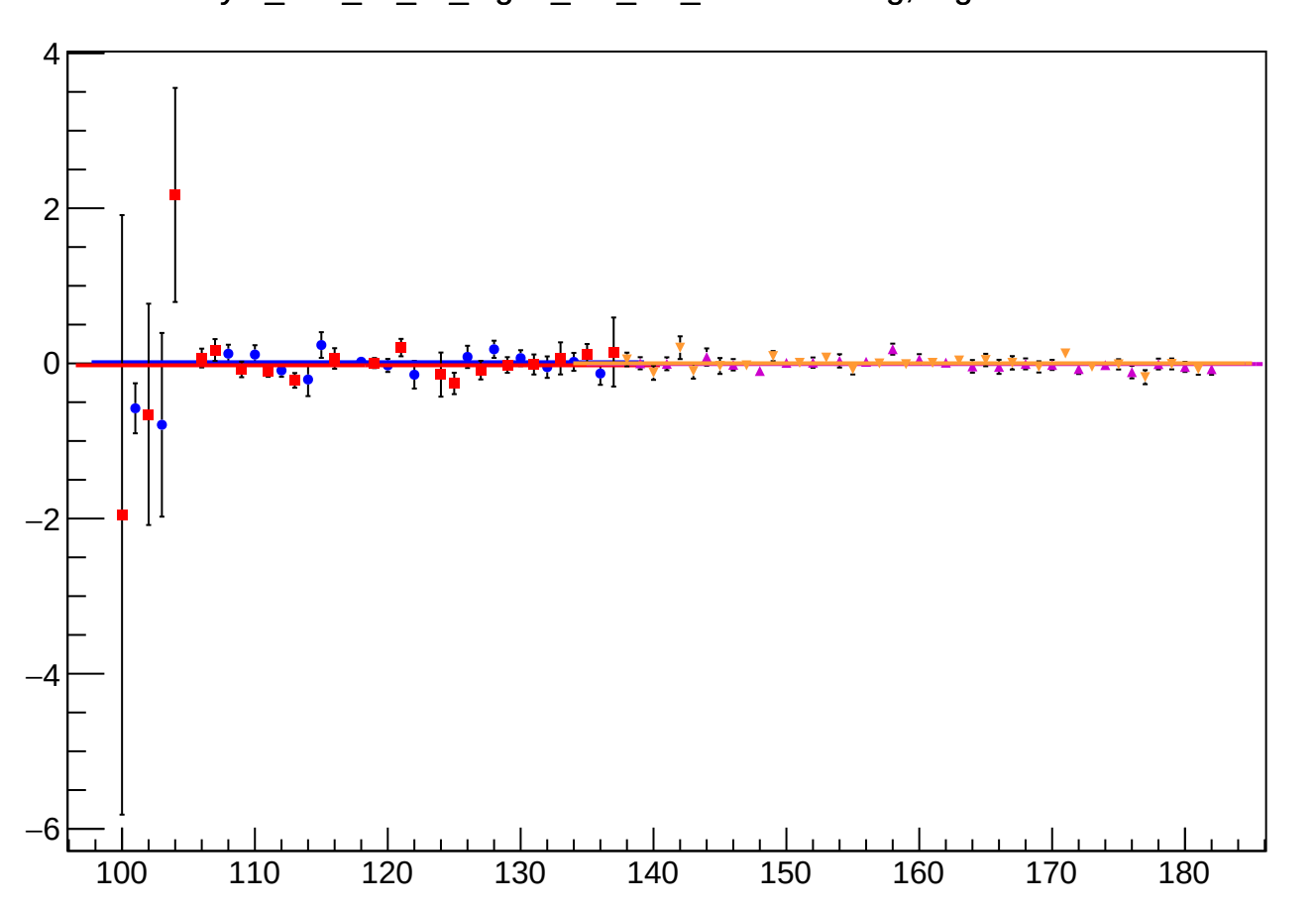
Left: 56.328+/-0.007 χ^2/NDF: 1910506.9/44

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.294+/-0.009 χ^2/NDF:3908280.4/37

Out: 56.132+/-0.009 χ^2/NDF:3943859.5/41

All: 57.180+/-0.007 χ^2/NDF: 7879763.6/79



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:21.6/22

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.009+/-0.015 χ^2/NDF:15.5/21

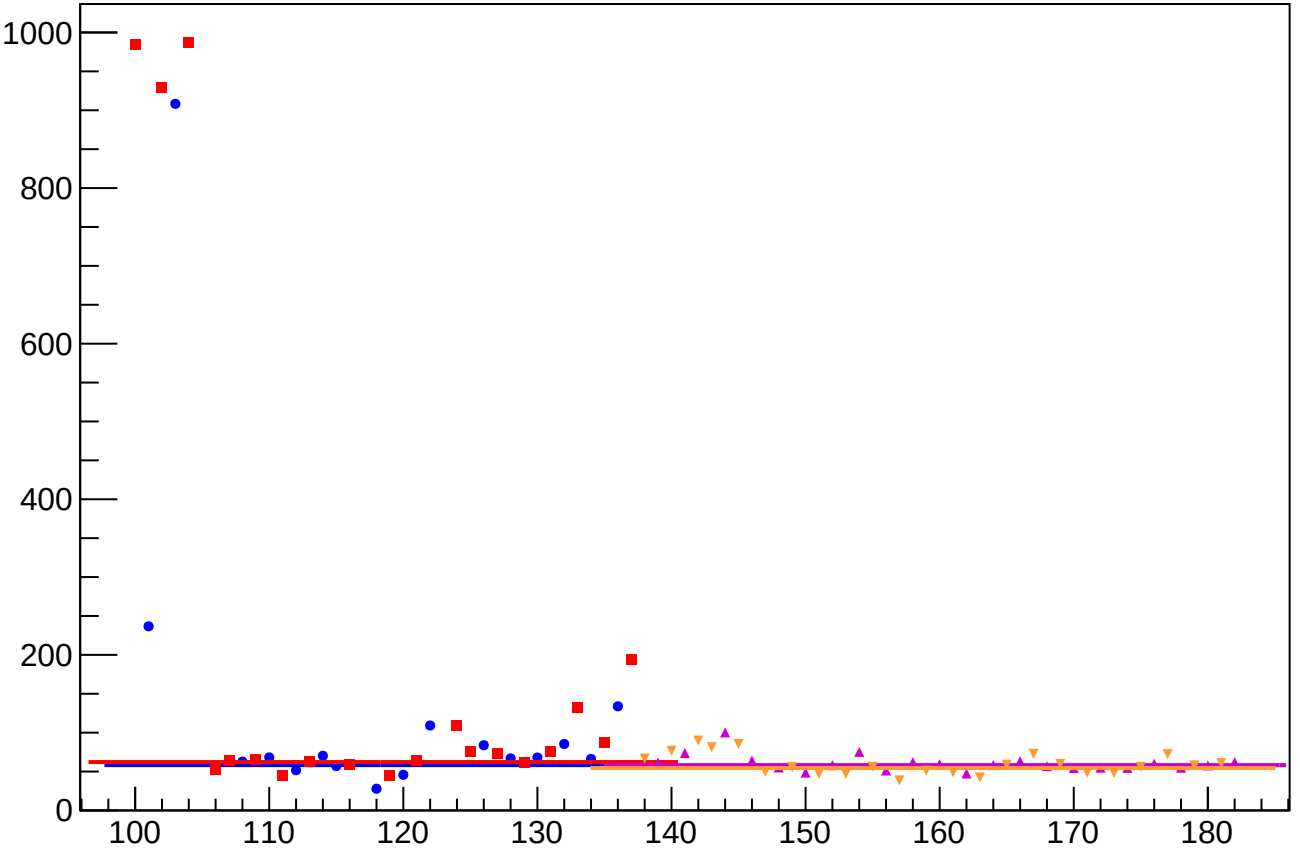
Left: -0.003+/-0.010 χ^2/NDF: 37.3/44

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.003+/-0.013 χ^2/NDF:31.1/37

Out: -0.004+/-0.013 χ^2/NDF:43.1/41

All: -0.004+/-0.009 χ^2/NDF: 74.1/79



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.520+/-0.010 χ^2/NDF:1196935.6/22

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.288+/-0.011 χ^2/NDF:647874.9/21

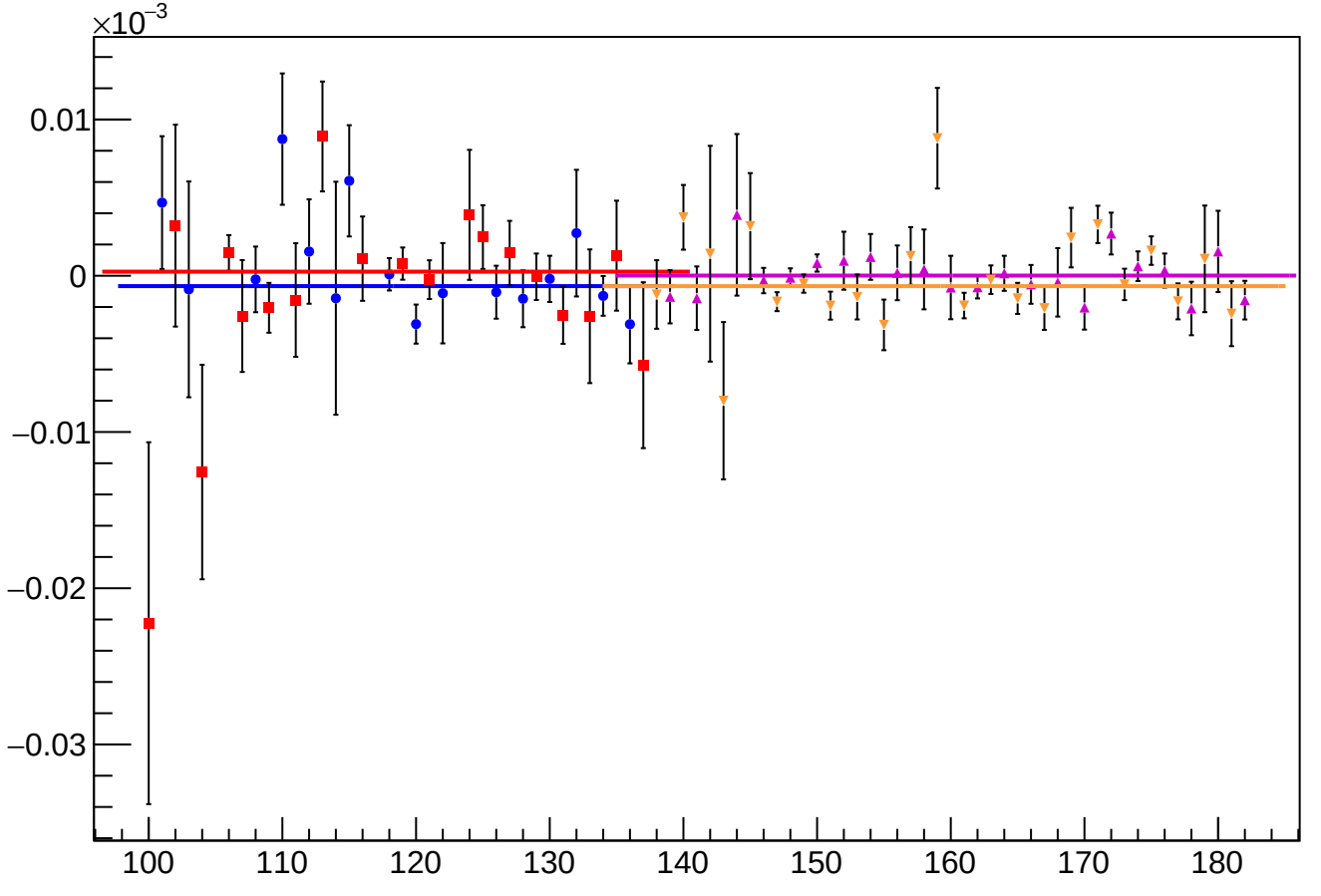
Left: 56.328+/-0.007 χ^2/NDF: 1910506.9/44

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.294+/-0.009 χ^2/NDF:3908280.4/37

Out: 56.132+/-0.009 χ^2/NDF:3943859.5/41

All: 57.180+/-0.007 χ^2/NDF: 7879763.6/79



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.6/21

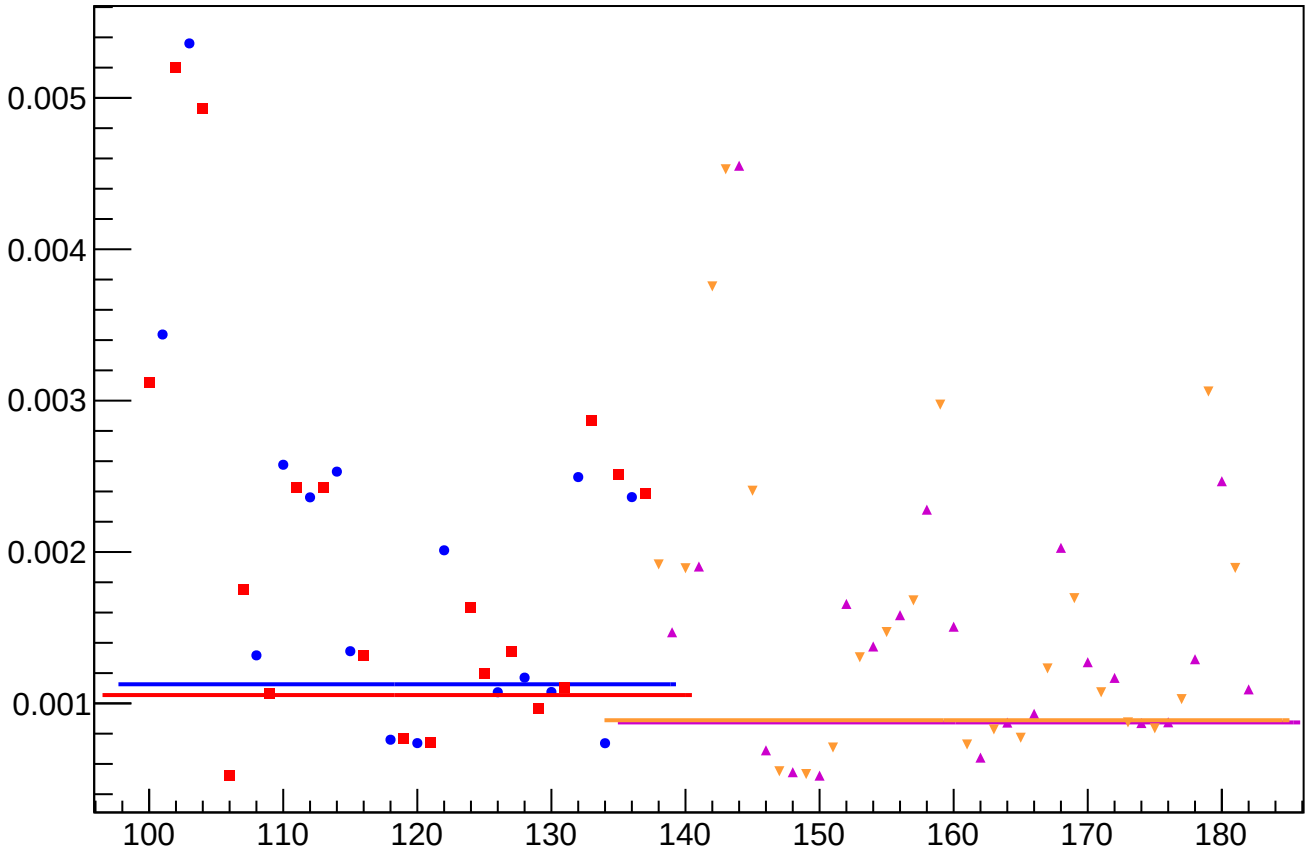
Left: -0.000+/-0.000 χ^2/NDF: 71.3/44

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:35.3/37

Out: -0.000+/-0.000 χ^2/NDF:78.5/41

All: -0.000+/-0.000 χ^2/NDF: 115.1/79



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:7727659.0/22

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:6963599.8/21

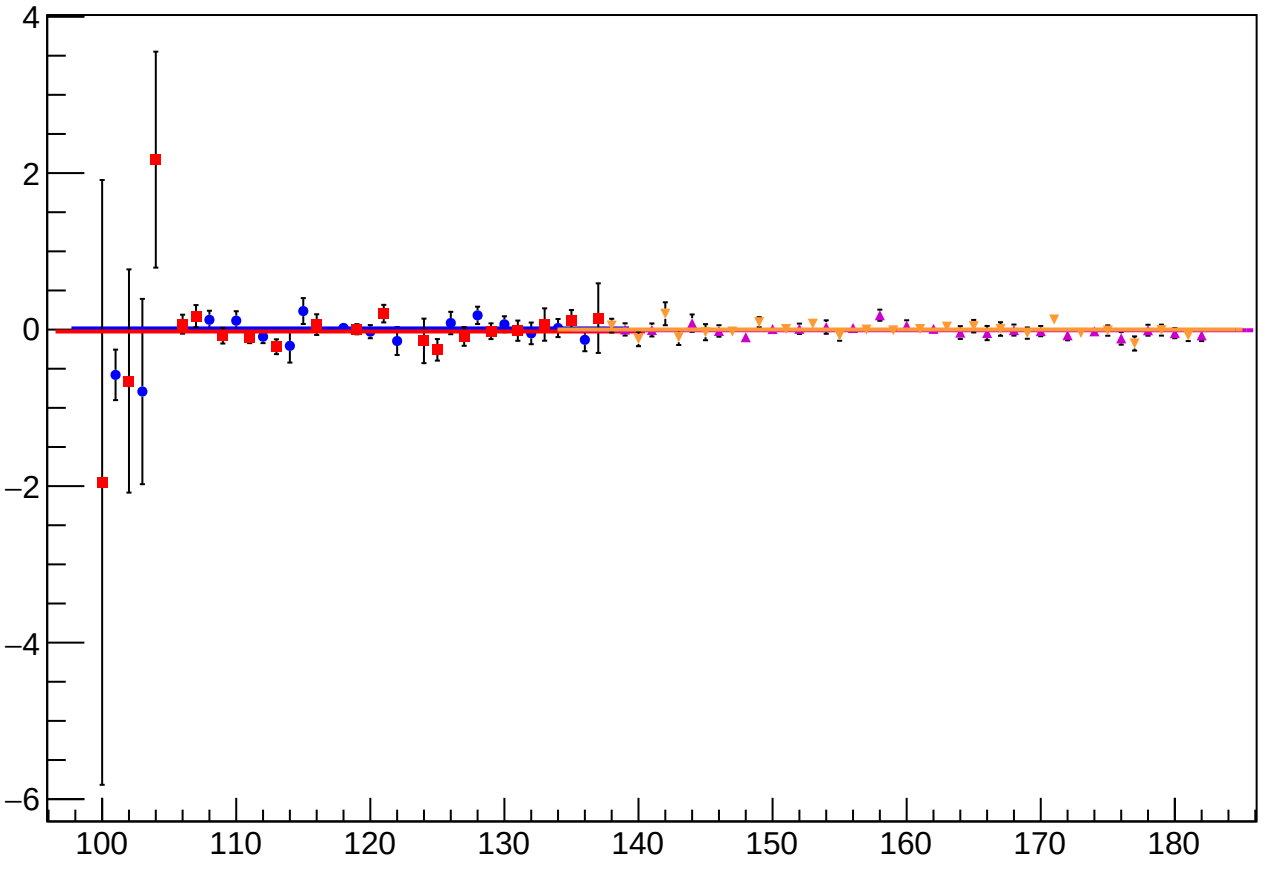
Left: 0.001+/-0.000 χ^2/NDF: 14694875.9/44

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:10843831.9/37

Out: 0.001+/-0.000 χ^2/NDF:11778090.9/41

All: 0.001+/-0.000 χ^2/NDF: 22621953.9/79



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:21.6/22

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.009+/-0.015 χ^2/NDF:15.5/21

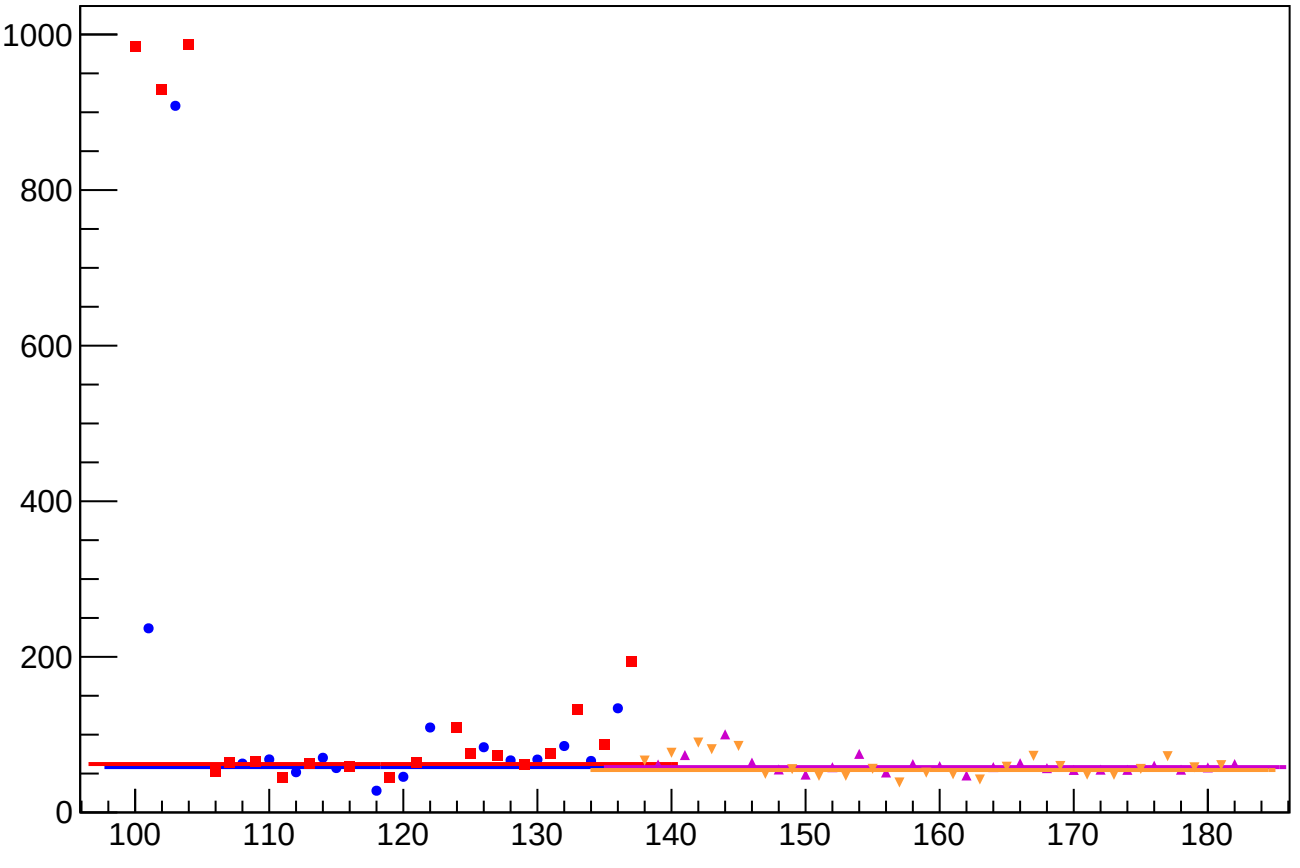
Left: -0.003+/-0.010 χ^2/NDF: 37.3/44

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.003+/-0.013 χ^2/NDF:31.1/37

Out: -0.004+/-0.013 χ^2/NDF:43.1/41

All: -0.004+/-0.009 χ^2/NDF: 74.1/79



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.519+/-0.010 χ^2/NDF:1197008.2/22

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.288+/-0.011 χ^2/NDF:647898.2/21

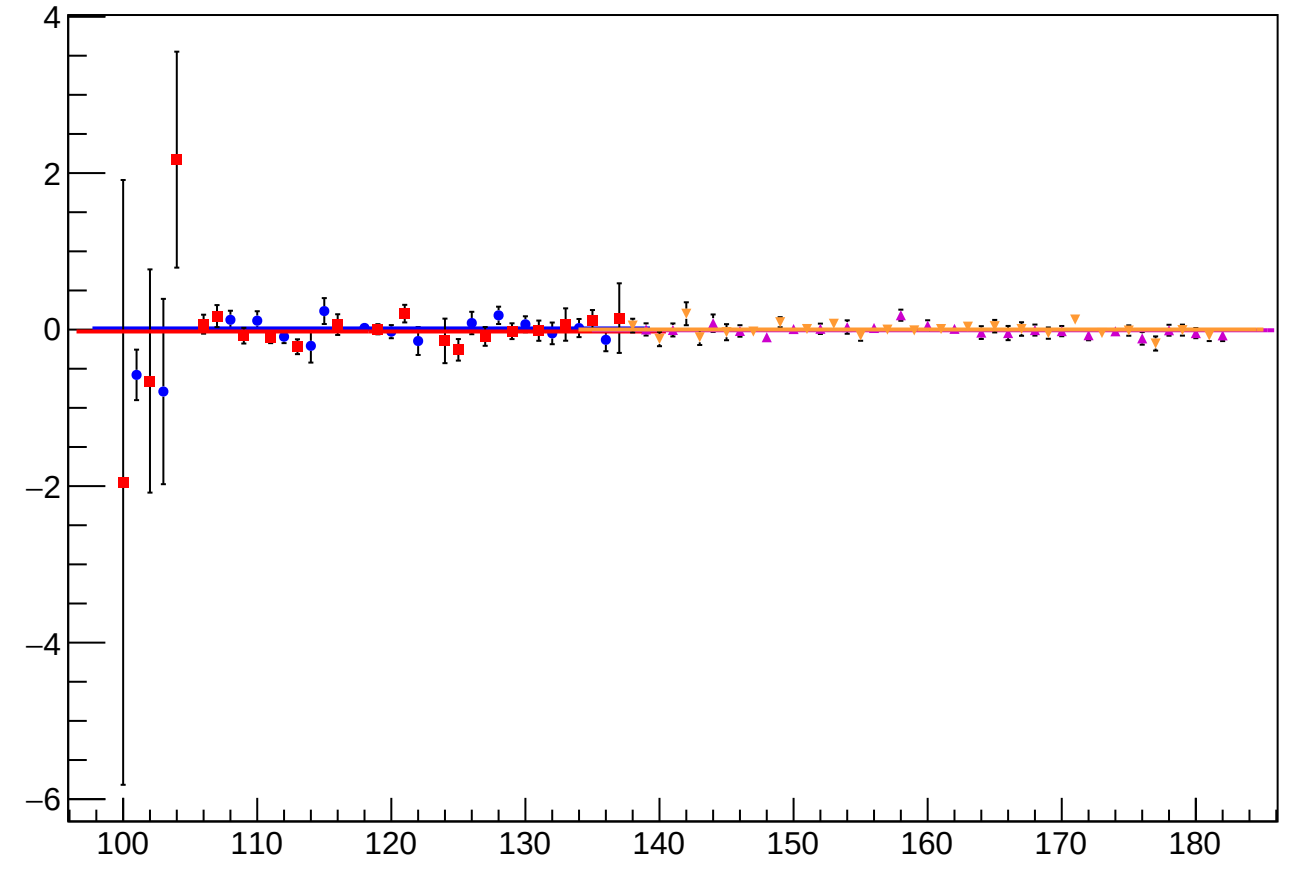
Left: 56.328+/-0.007 χ^2/NDF: 1910619.8/44

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.293+/-0.009 χ^2/NDF:3908383.5/37

Out: 56.131+/-0.009 χ^2/NDF:3943933.4/41

All: 57.180+/-0.007 χ^2/NDF: 7879946.7/79



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:21.6/22

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.009+/-0.015 χ^2/NDF:15.5/21

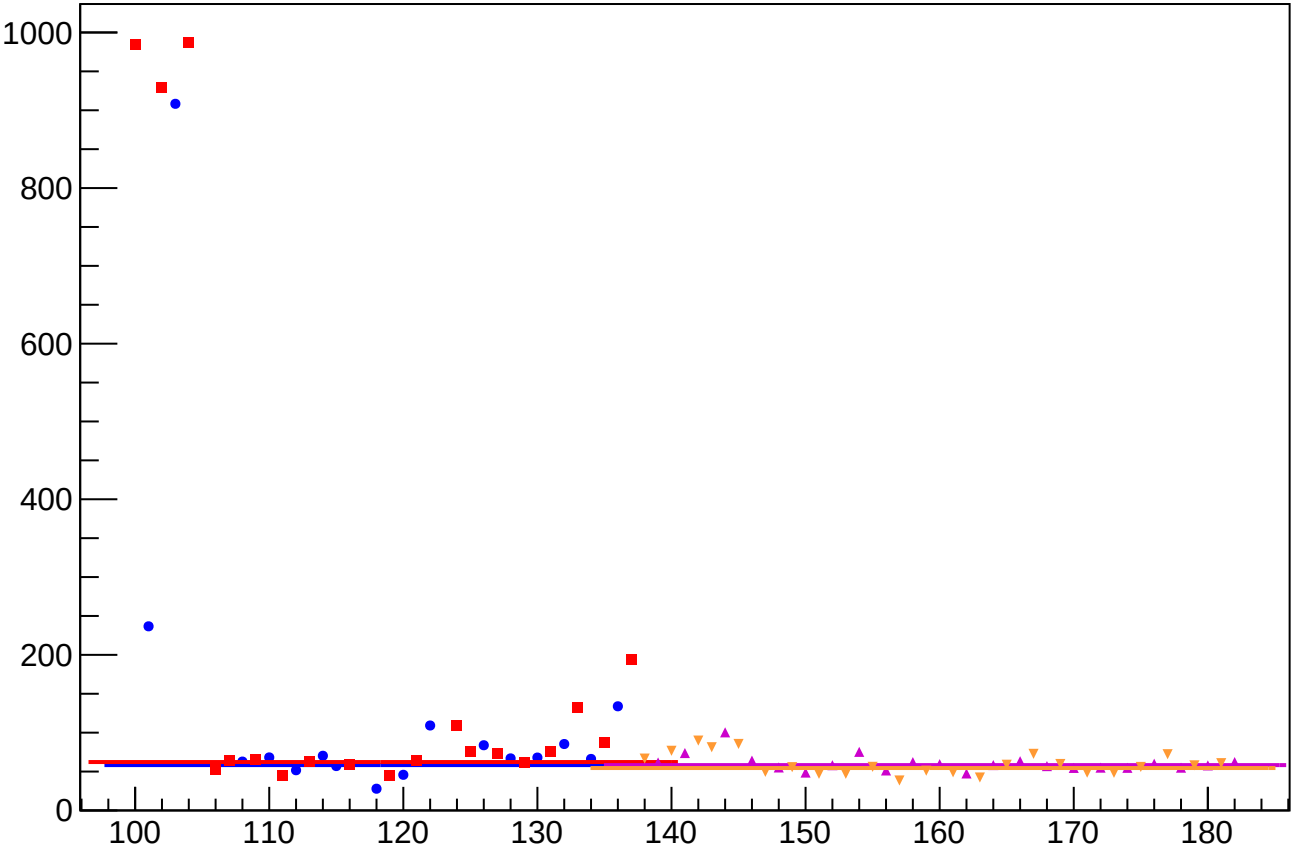
Left: -0.003+/-0.010 χ^2/NDF: 37.3/44

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.003+/-0.013 χ^2/NDF:31.1/37

Out: -0.004+/-0.013 χ^2/NDF:43.1/41

All: -0.004+/-0.009 χ^2/NDF: 74.1/79



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.519+/-0.010 χ^2/NDF:1197008.2/22

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.288+/-0.011 χ^2/NDF:647898.2/21

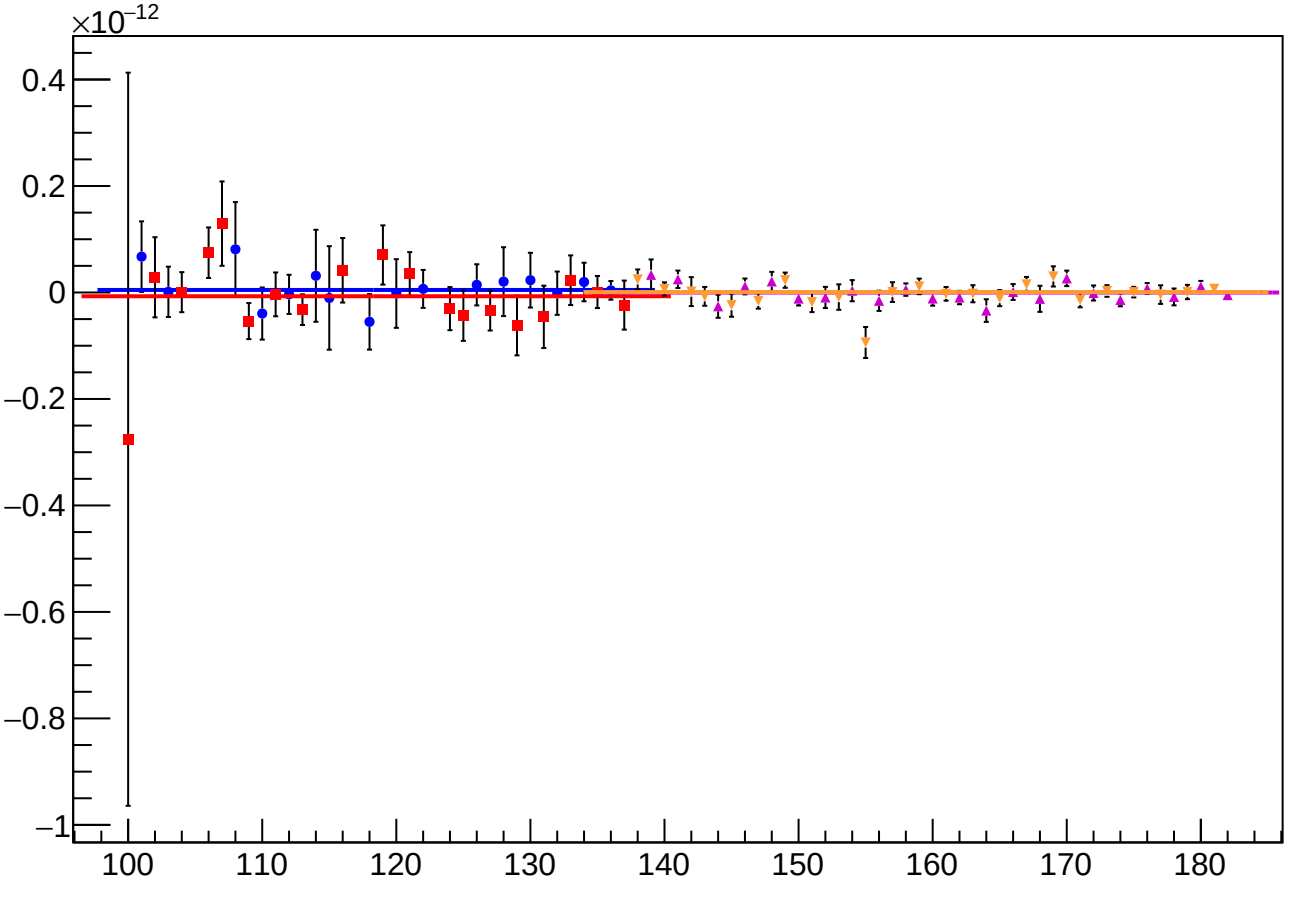
Left: 56.328+/-0.007 χ^2/NDF: 1910619.8/44

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.293+/-0.009 χ^2/NDF:3908383.5/37

Out: 56.131+/-0.009 χ^2/NDF:3943933.4/41

All: 57.180+/-0.007 χ^2/NDF: 7879946.7/79



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/22

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:20.0/21

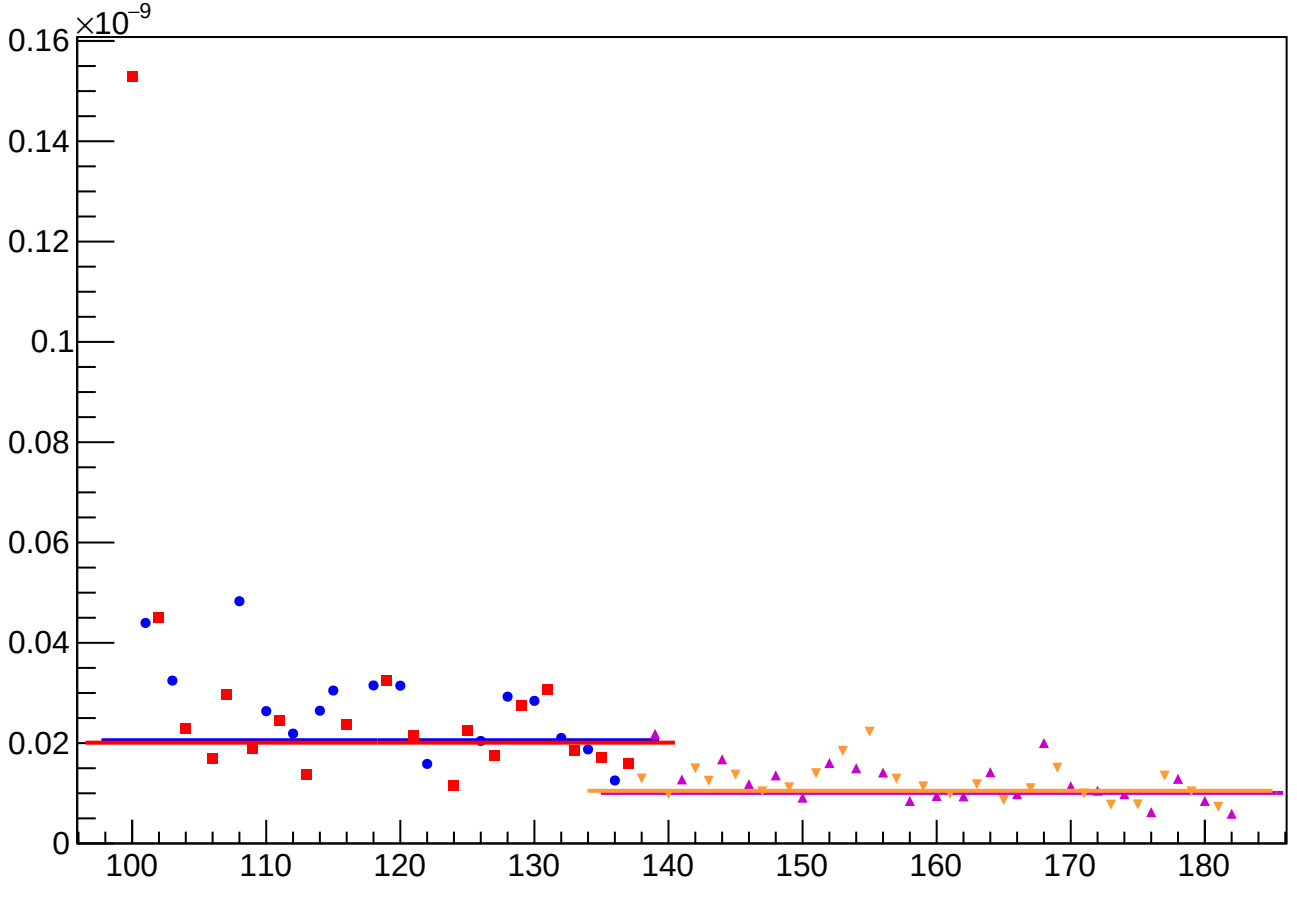
Left: 0.000+/-0.000 χ^2/NDF: 45.2/44

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:24.6/37

Out: 0.000+/-0.000 χ^2/NDF:41.8/41

All: 0.000+/-0.000 χ^2/NDF: 66.4/79



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1568111.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2469572.9/21

Left: 0.000+/-0.000 χ^2/NDF: 4056970.7/44

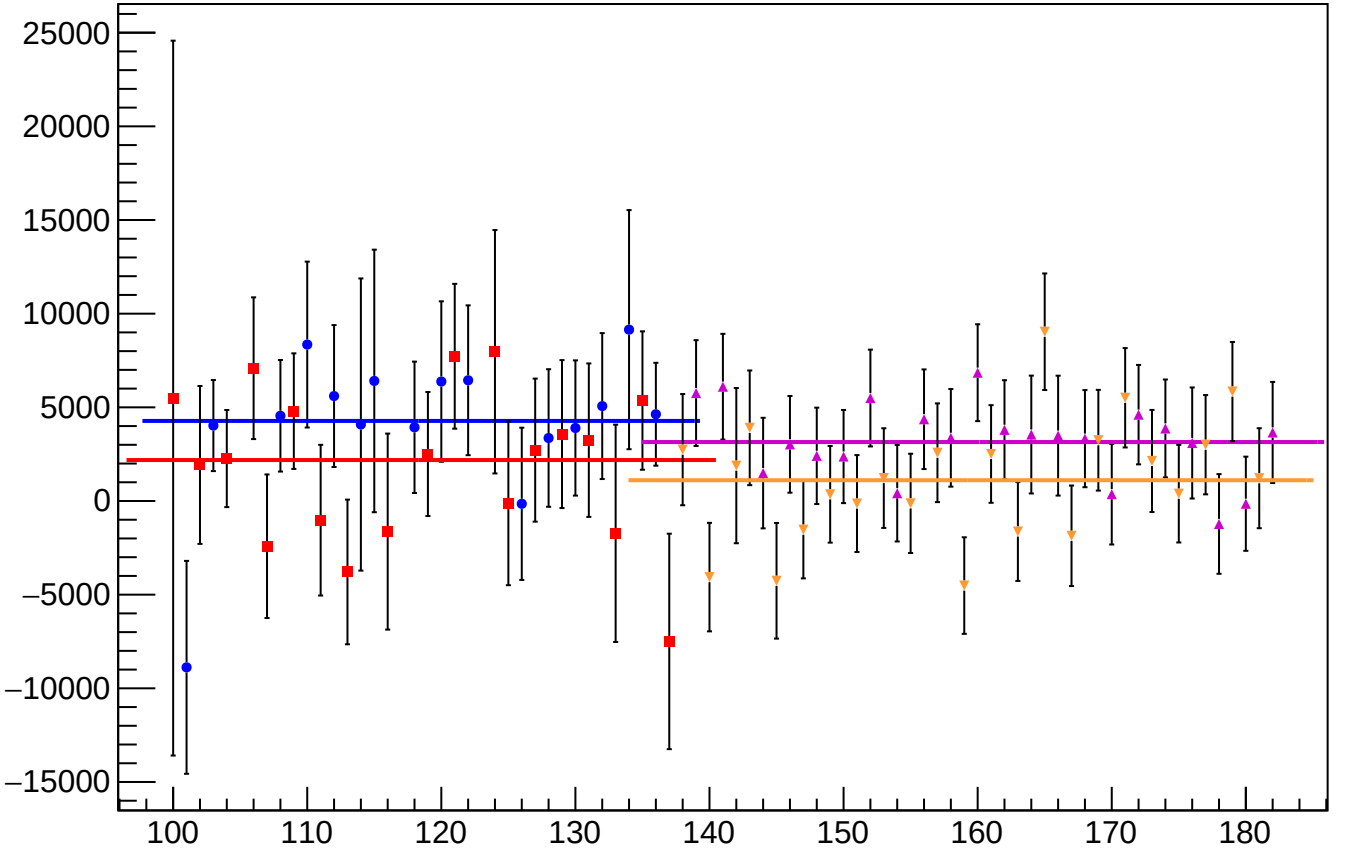
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:5721569.7/37

Out: 0.000+/-0.000 χ^2/NDF:4027054.2/41

All: 0.000+/-0.000 χ^2/NDF: 9768007.6/79

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1108.810+/-572.657 χ^2/NDF:30.4/22

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3147.307+/-574.011 χ^2/NDF:12.7/21

Left: 2125.650+/-405.407 χ^2/NDF: 49.4/44

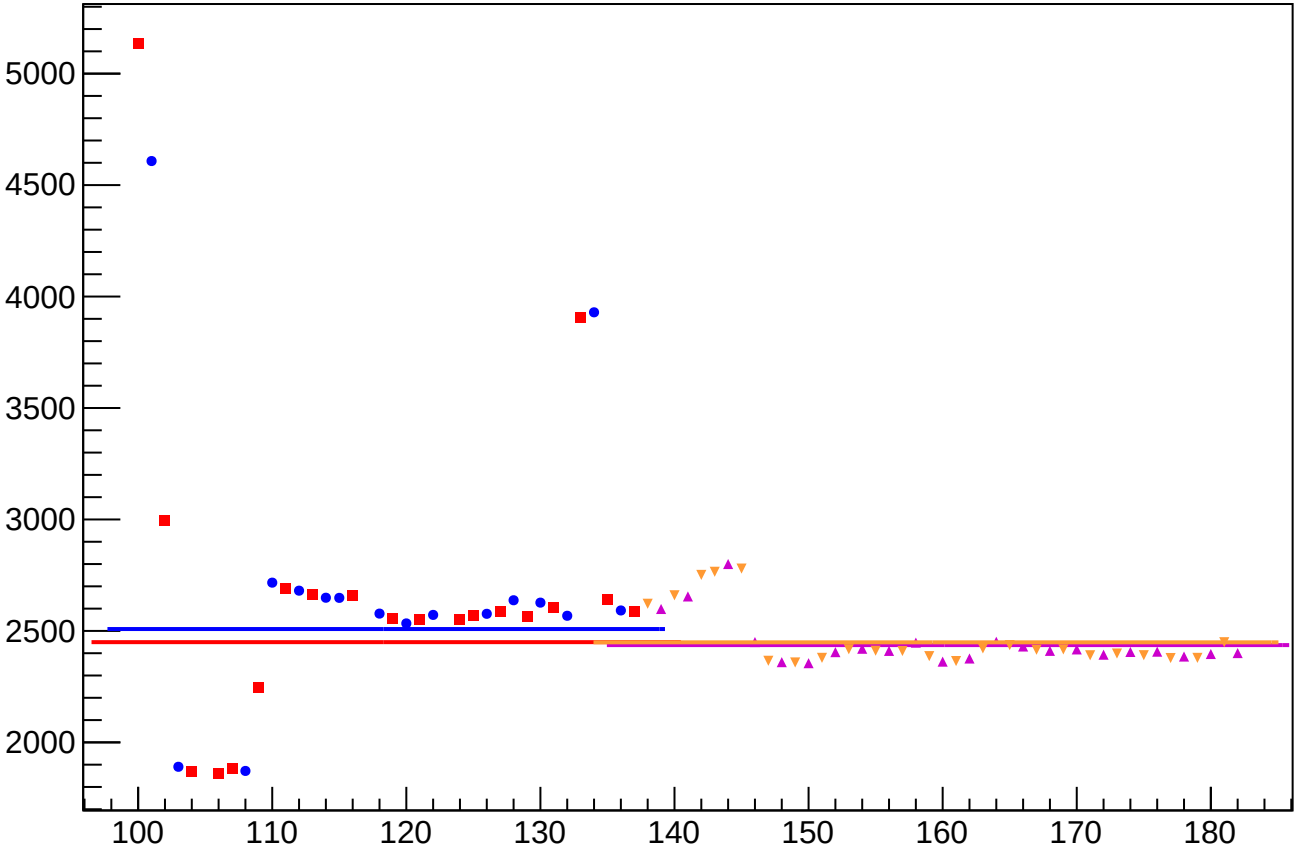
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3447.833+/-491.563 χ^2/NDF:22.6/37

Out: 1408.701+/-486.477 χ^2/NDF:46.2/41

All: 2417.664+/-345.775 χ^2/NDF: 77.5/79

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2448.801+/-0.405 χ^2/NDF:88955.6/22

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2436.403+/-0.406 χ^2/NDF:59115.0/21

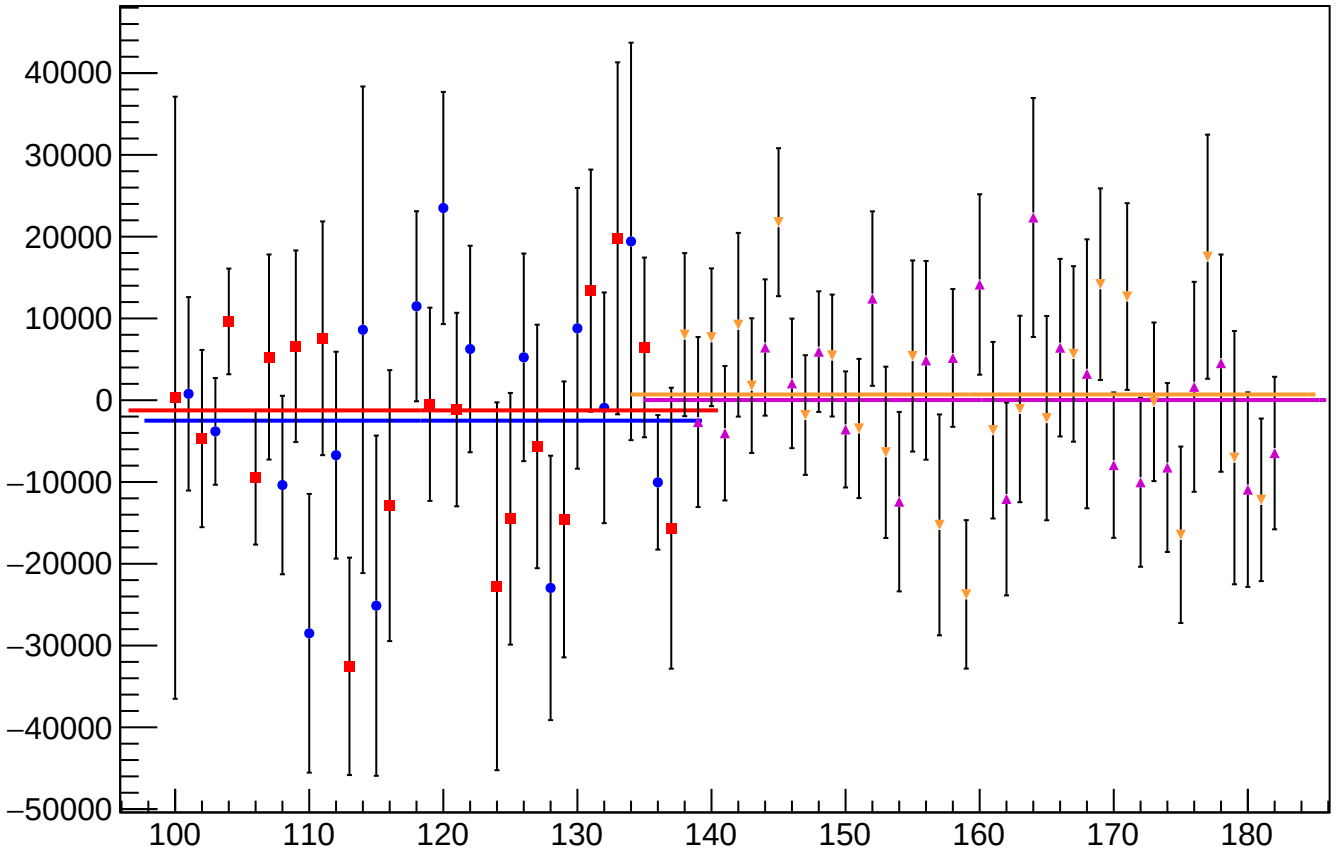
Left: 2442.617+/-0.287 χ^2/NDF: 148538.3/44

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2455.618+/-0.348 χ^2/NDF:679109.9/37

Out: 2449.030+/-0.344 χ^2/NDF:525857.8/41

All: 2452.289+/-0.245 χ^2/NDF: 1205149.1/79



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 701.973+/-2094.619 χ^2/NDF:25.9/22

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 20.329+/-2110.380 χ^2/NDF:14.3/21

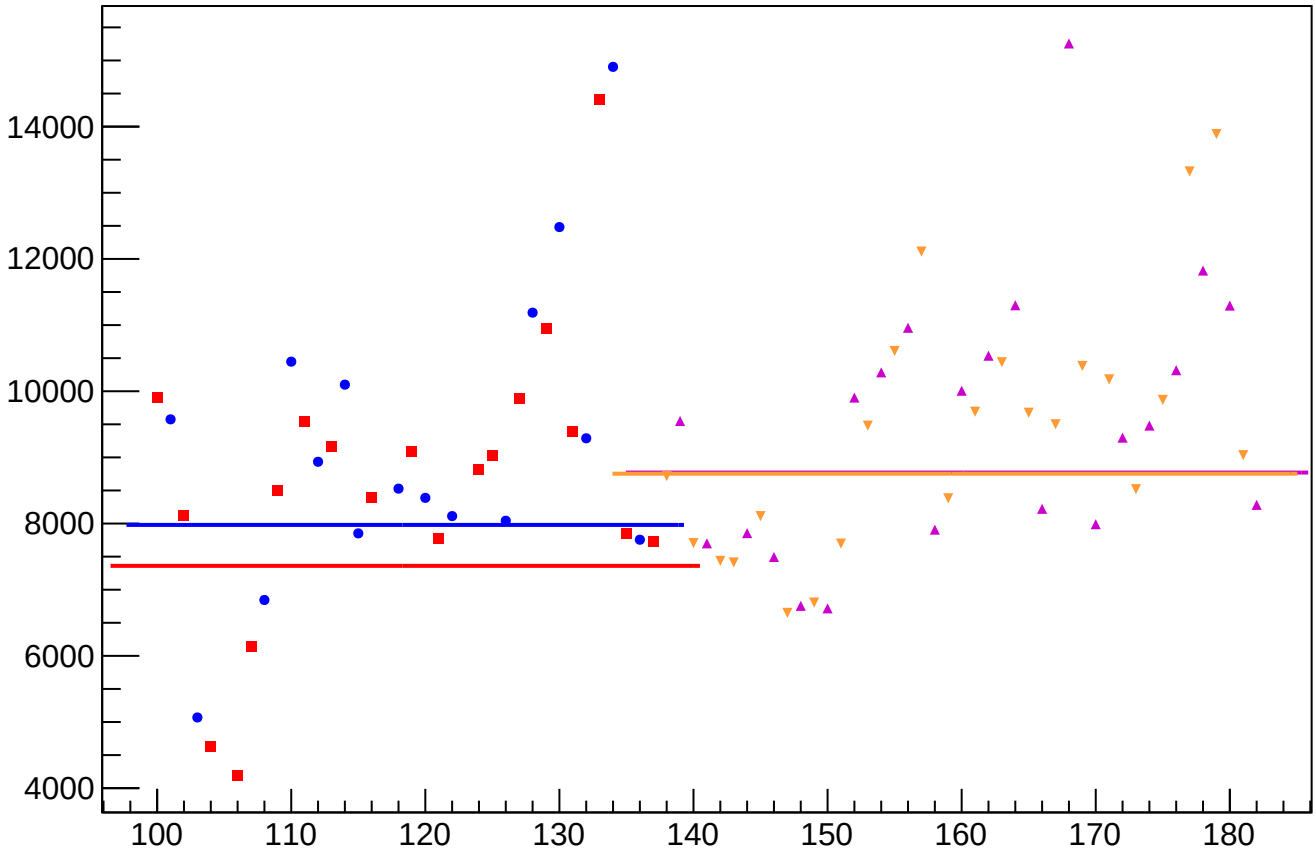
Left: 363.706+/-1486.660 χ^2/NDF: 40.2/44

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -786.655+/-1740.119 χ^2/NDF:28.5/37

Out: 20.218+/-1688.374 χ^2/NDF:42.8/41

All: -371.044+/-1211.741 χ^2/NDF: 71.4/79



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8753.643+/-1.481 χ^2/NDF:1221932.6/22

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8770.956+/-1.492 χ^2/NDF:1290563.1/21

Left: 8762.234+/-1.051 χ^2/NDF: 2512563.5/44

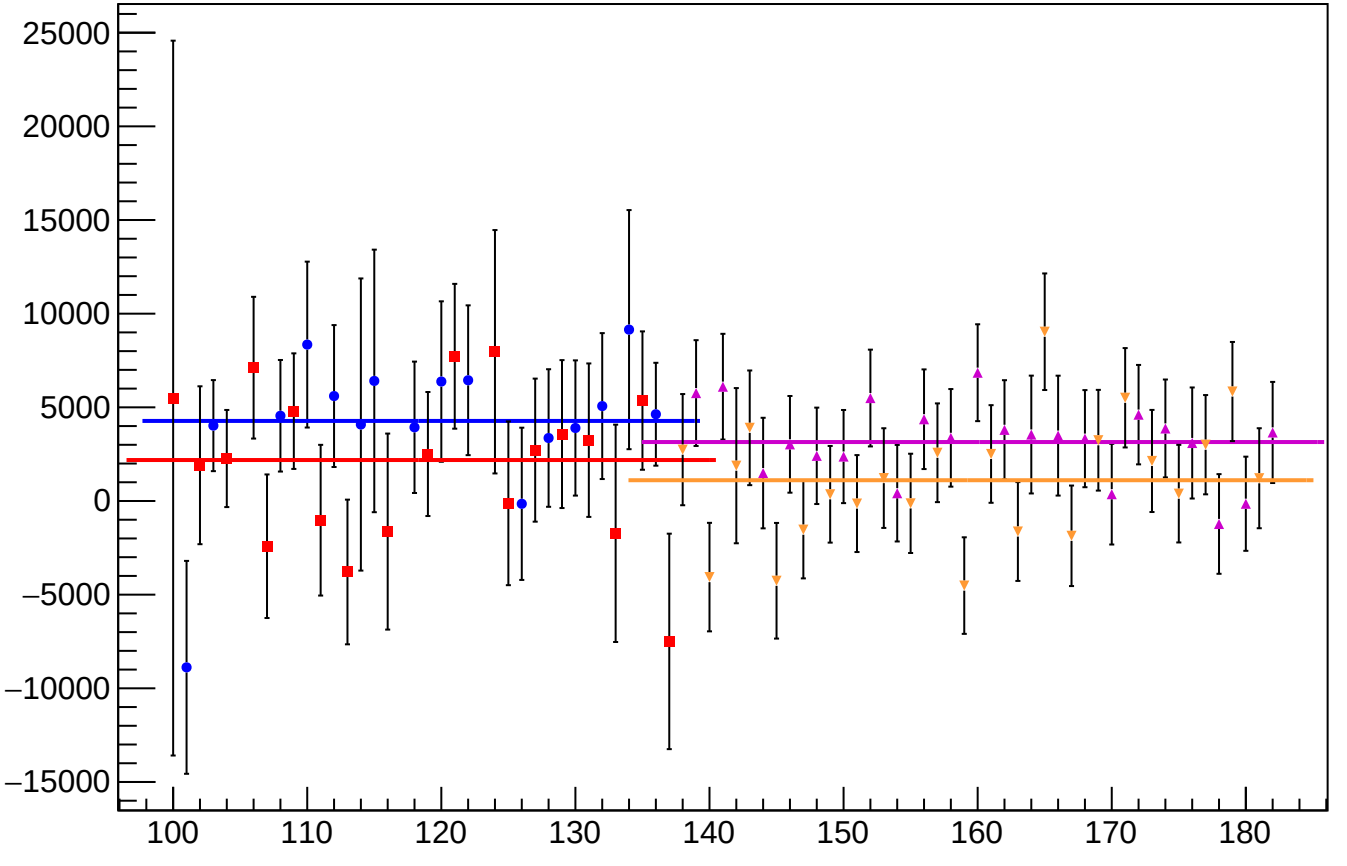
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 8517.596+/-1.230 χ^2/NDF:2303696.0/37

Out: 8265.740+/-1.194 χ^2/NDF:2817736.0/41

All: 8387.868+/-0.857 χ^2/NDF: 5143012.5/79

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1108.616+/-572.657 χ^2/NDF:30.4/22

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3147.140+/-574.011 χ^2/NDF:12.7/21

Left: 2125.470+/-405.407 χ^2/NDF: 49.4/44

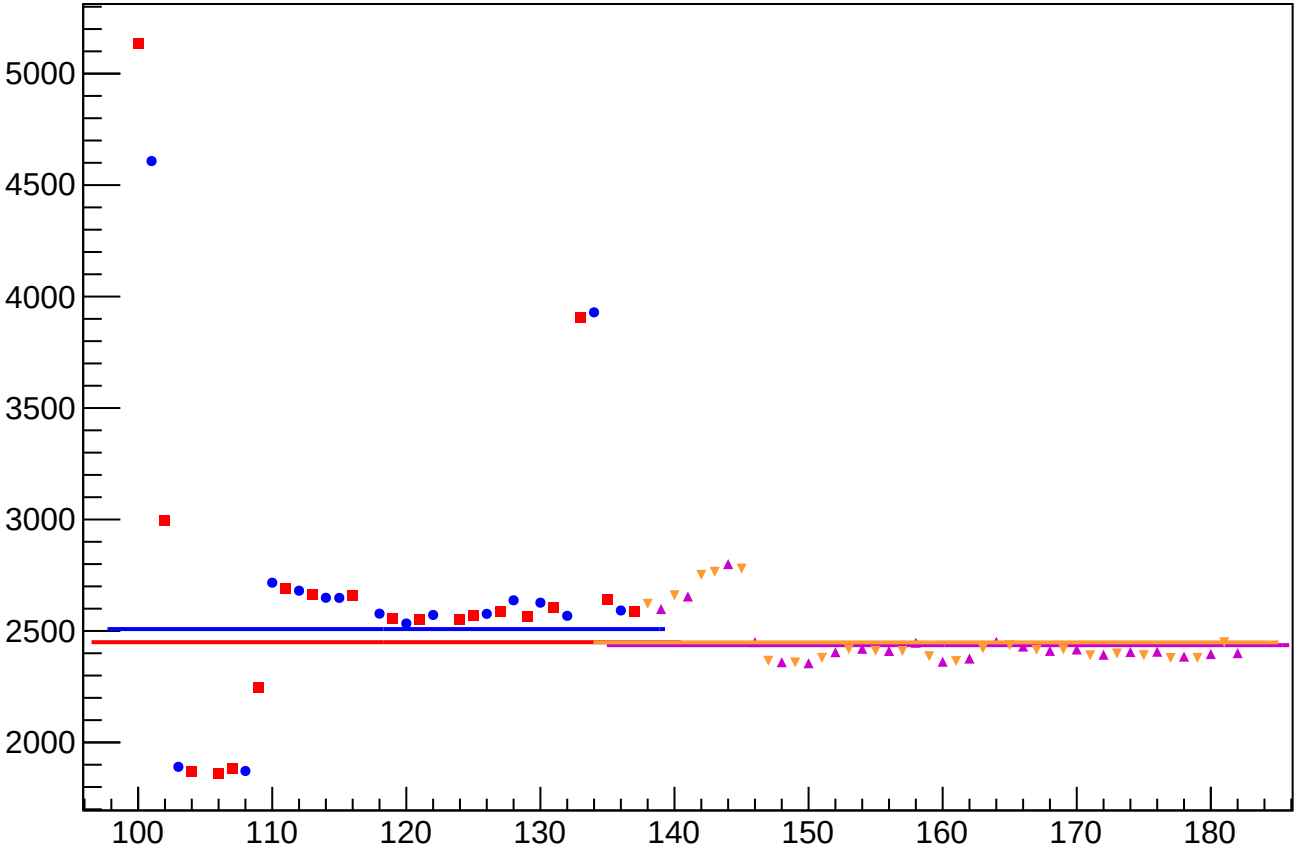
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3447.580+/-491.563 χ^2/NDF:22.6/37

Out: 1408.731+/-486.478 χ^2/NDF:46.2/41

All: 2417.556+/-345.776 χ^2/NDF: 77.5/79

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2448.801+/-0.405 χ^2/NDF:88955.6/22

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2436.403+/-0.406 χ^2/NDF:59115.0/21

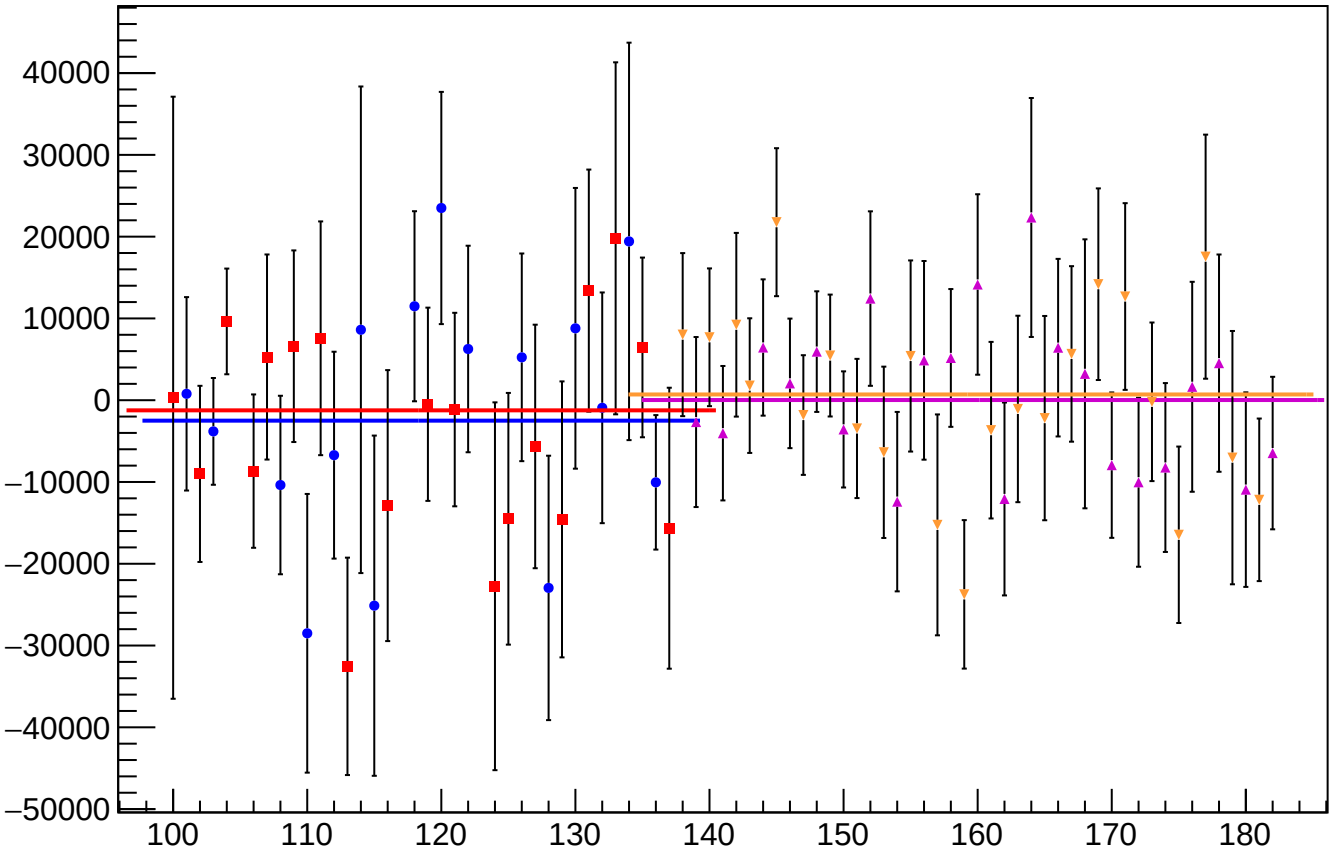
Left: 2442.617+/-0.287 χ^2/NDF: 148538.3/44

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2455.618+/-0.348 χ^2/NDF:679107.9/37

Out: 2449.037+/-0.344 χ^2/NDF:525803.4/41

All: 2452.293+/-0.245 χ^2/NDF: 1205092.4/79



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 701.968+/-2094.616 χ^2/NDF:25.9/22

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 20.288+/-2110.379 χ^2/NDF:14.3/21

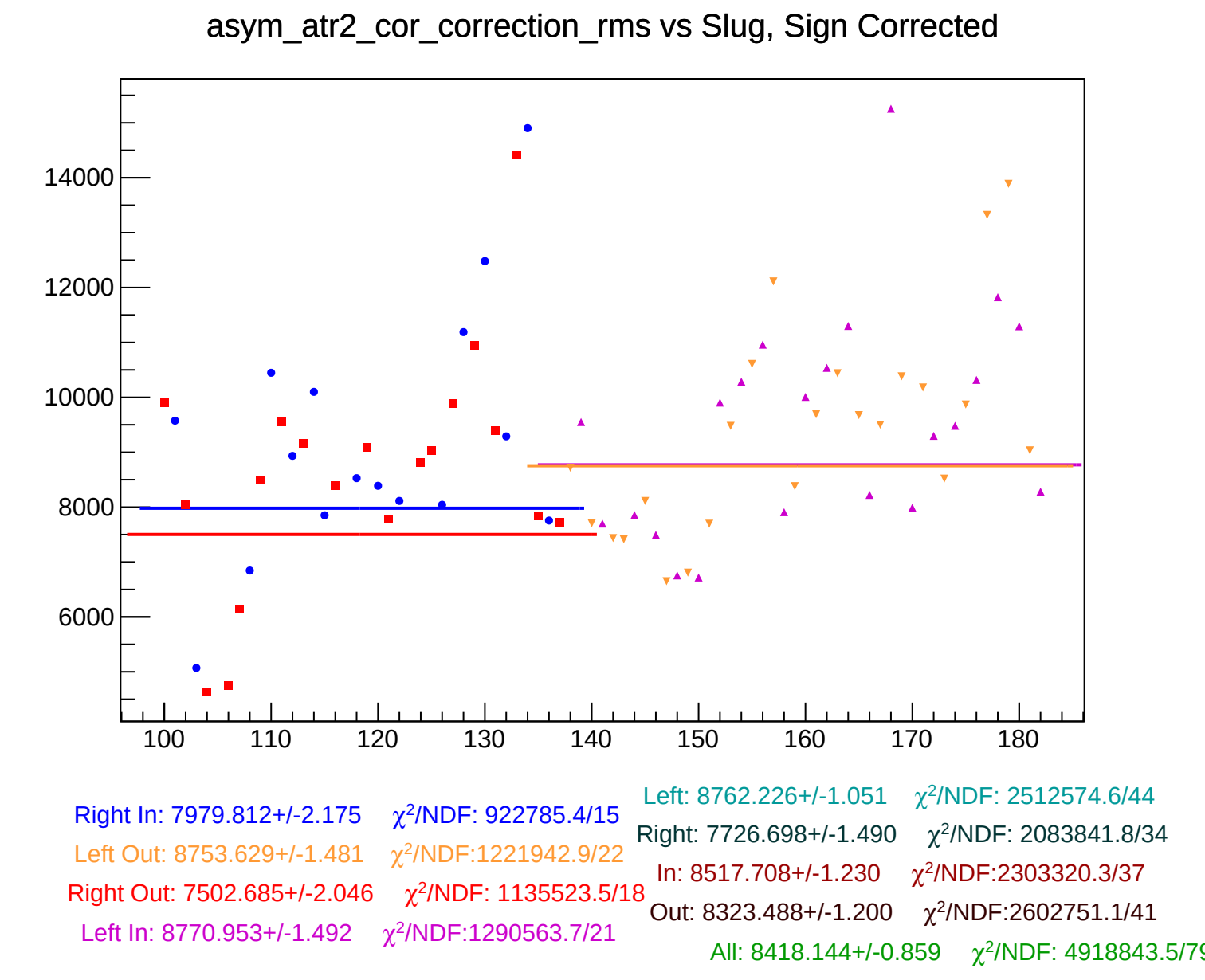
Left: 363.684+/-1486.659 χ^2/NDF: 40.2/44

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

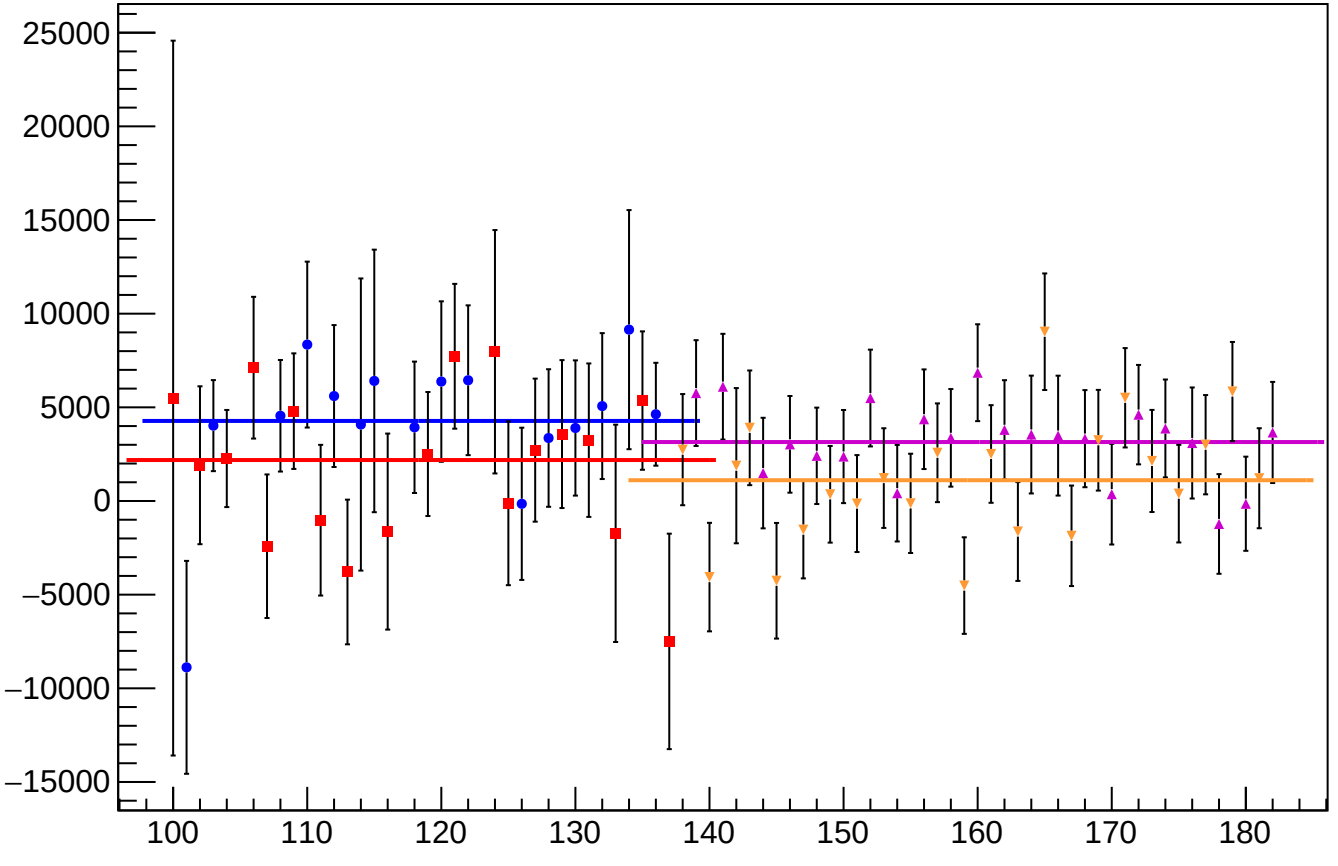
In: -786.580+/-1740.134 χ^2/NDF:28.5/37

Out: 34.251+/-1696.699 χ^2/NDF:42.8/41

All: -365.792+/-1214.813 χ^2/NDF: 71.4/79


asym_atr2_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8753.629+/-1.481 χ²/NDF:1221942.9/22
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8770.953+/-1.492 χ²/NDF:1290563.7/21
Left: 8762.226+/-1.051 χ²/NDF: 2512574.6/44
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8517.708+/-1.230 χ²/NDF:2303320.3/37
Out: 8323.488+/-1.200 χ²/NDF:2602751.1/41
All: 8418.144+/-0.859 χ²/NDF: 4918843.5/79

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1108.616+/-572.657 χ^2/NDF:30.4/22

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3147.140+/-574.011 χ^2/NDF:12.7/21

Left: 2125.470+/-405.407 χ^2/NDF: 49.4/44

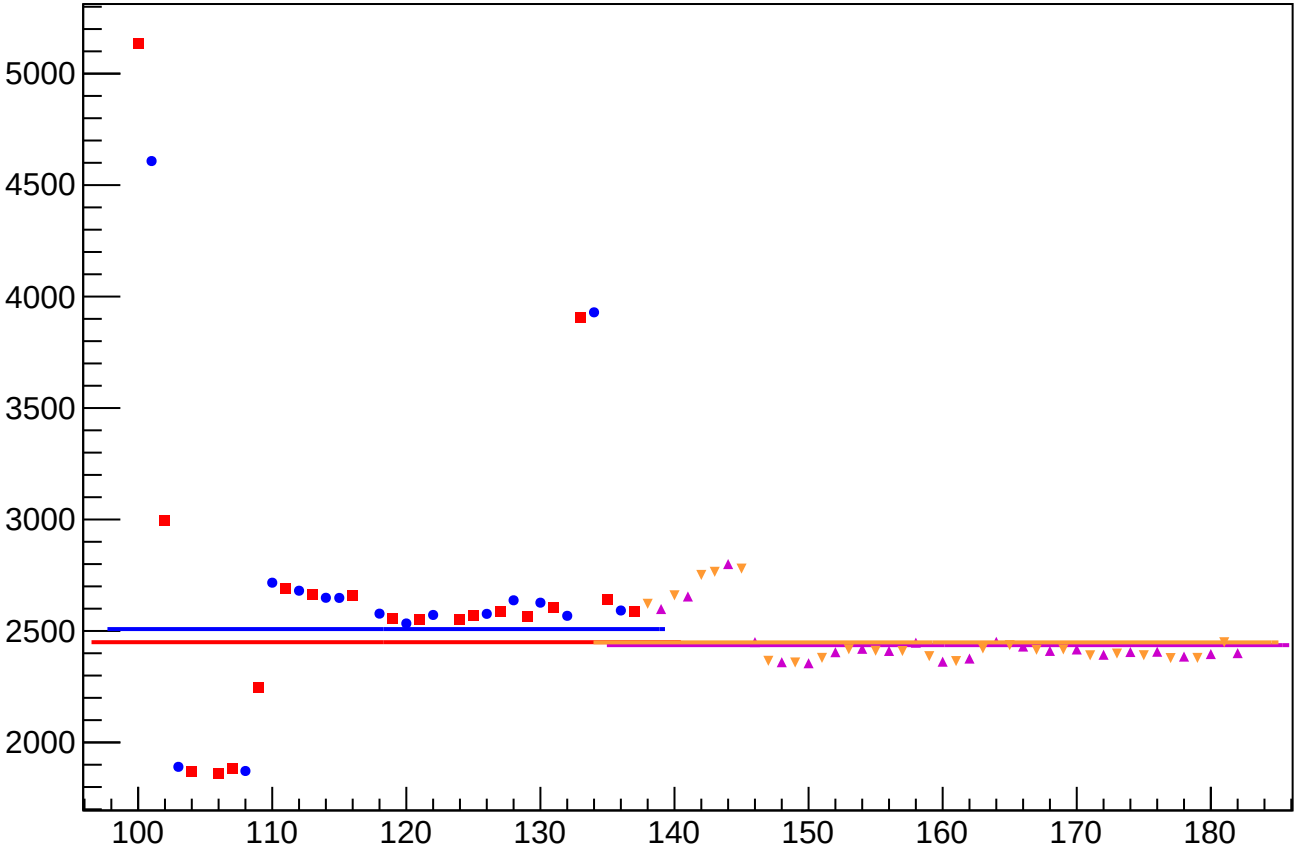
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3447.580+/-491.563 χ^2/NDF:22.6/37

Out: 1408.731+/-486.478 χ^2/NDF:46.2/41

All: 2417.556+/-345.776 χ^2/NDF: 77.5/79

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2448.801+/-0.405 χ^2/NDF:88955.6/22

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2436.403+/-0.406 χ^2/NDF:59115.0/21

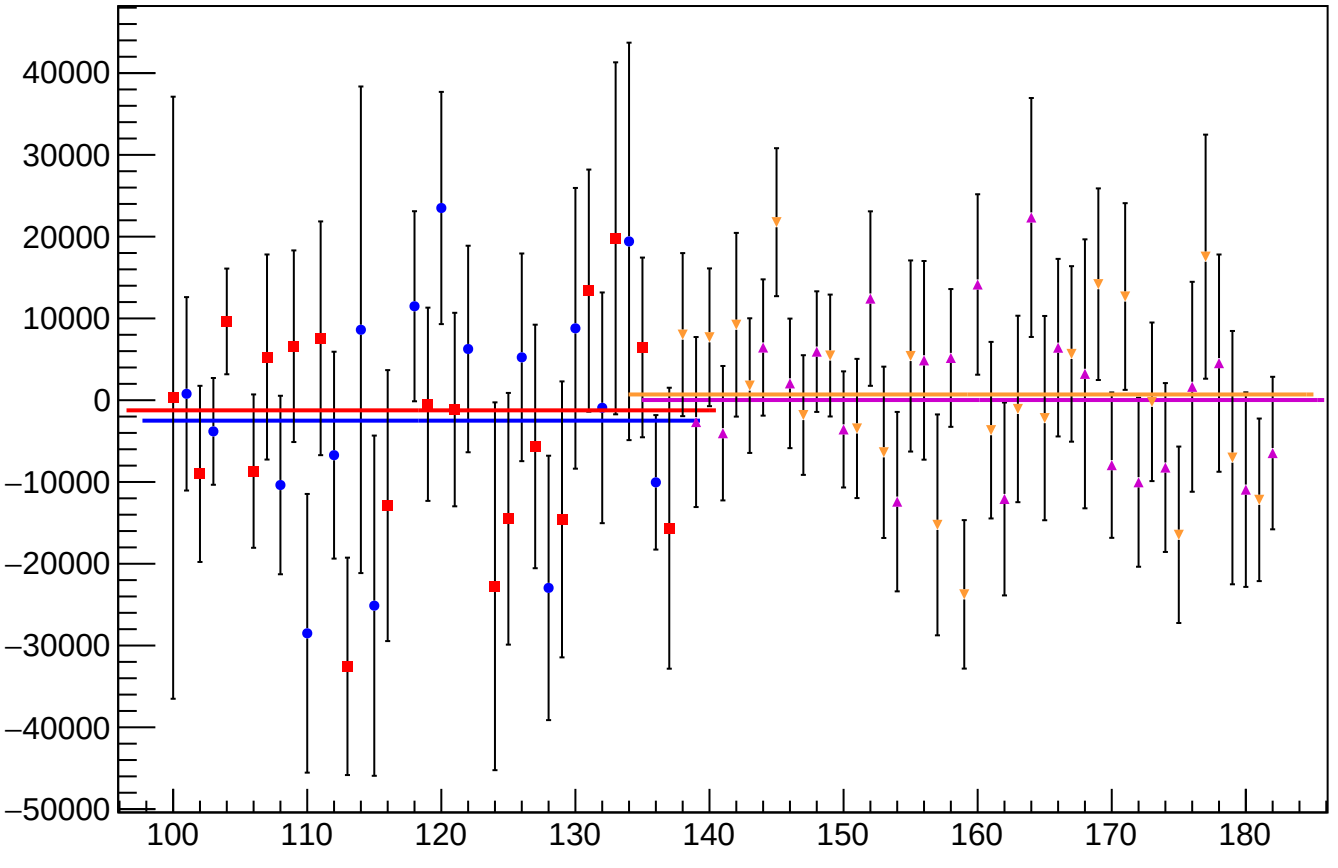
Left: 2442.617+/-0.287 χ^2/NDF: 148538.3/44

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2455.618+/-0.348 χ^2/NDF:679107.9/37

Out: 2449.037+/-0.344 χ^2/NDF:525803.4/41

All: 2452.293+/-0.245 χ^2/NDF: 1205092.4/79



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 701.968+/-2094.616 χ^2/NDF:25.9/22

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 20.288+/-2110.379 χ^2/NDF:14.3/21

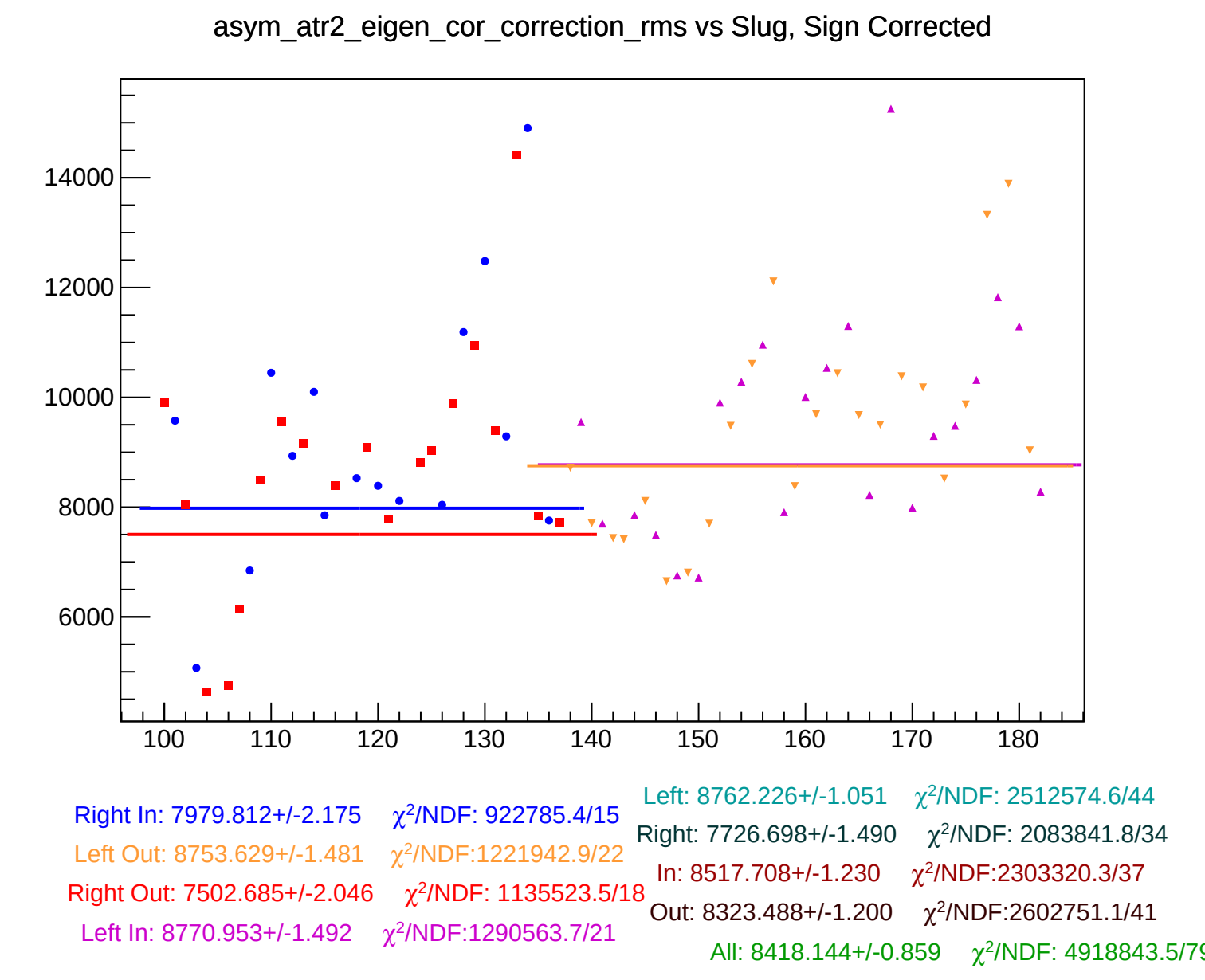
Left: 363.684+/-1486.659 χ^2/NDF: 40.2/44

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

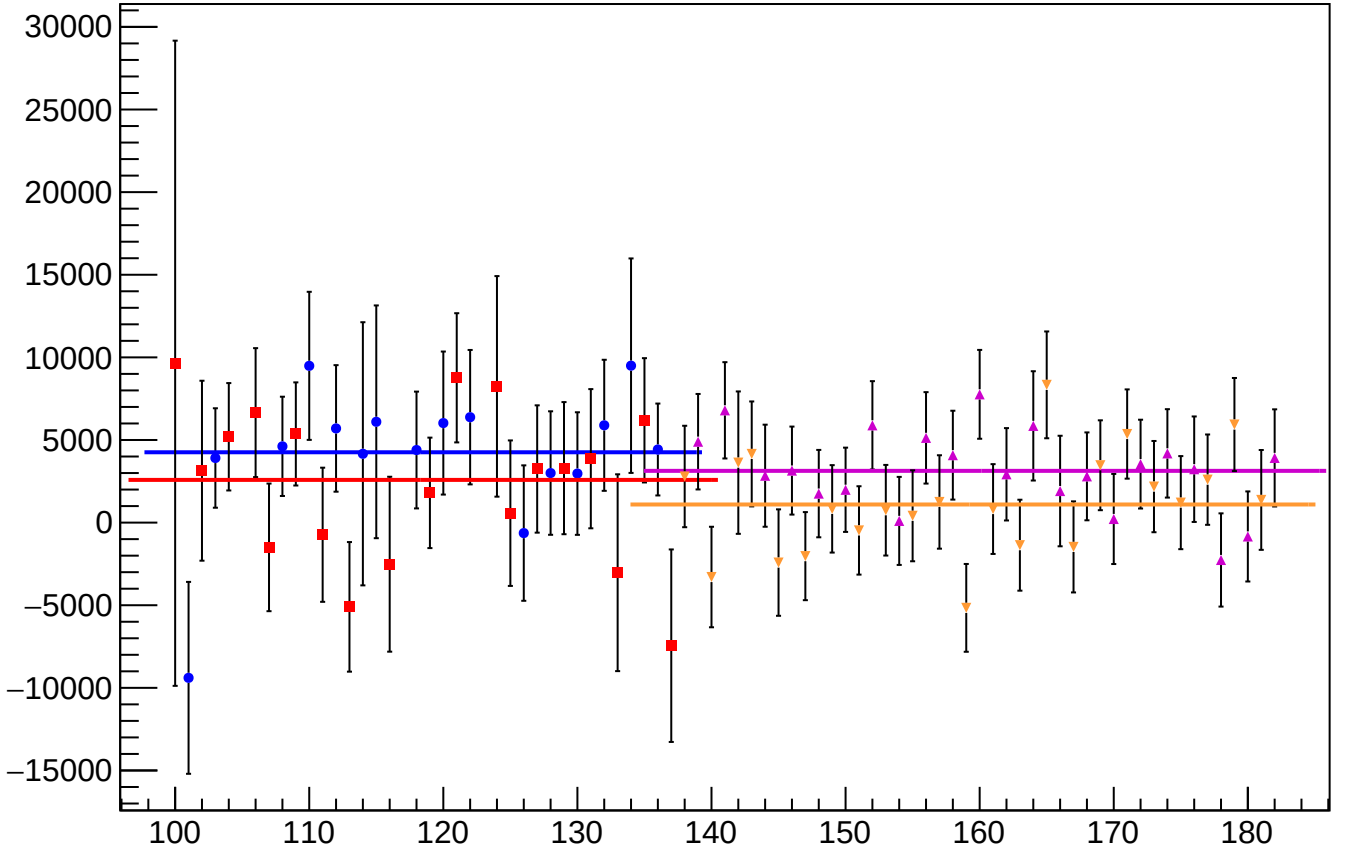
In: -786.580+/-1740.134 χ^2/NDF:28.5/37

Out: 34.251+/-1696.699 χ^2/NDF:42.8/41

All: -365.792+/-1214.813 χ^2/NDF: 71.4/79


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8753.629+/-1.481 χ²/NDF:1221942.9/22
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8770.953+/-1.492 χ²/NDF:1290563.7/21
Left: 8762.226+/-1.051 χ²/NDF: 2512574.6/44
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8517.708+/-1.230 χ²/NDF:2303320.3/37
Out: 8323.488+/-1.200 χ²/NDF:2602751.1/41
All: 8418.144+/-0.859 χ²/NDF: 4918843.5/79

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 1096.709+/-596.276 χ^2/NDF:25.6/22

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3132.178+/-597.040 χ^2/NDF:16.4/21

Left: 2113.140+/-421.901 χ^2/NDF: 47.8/44

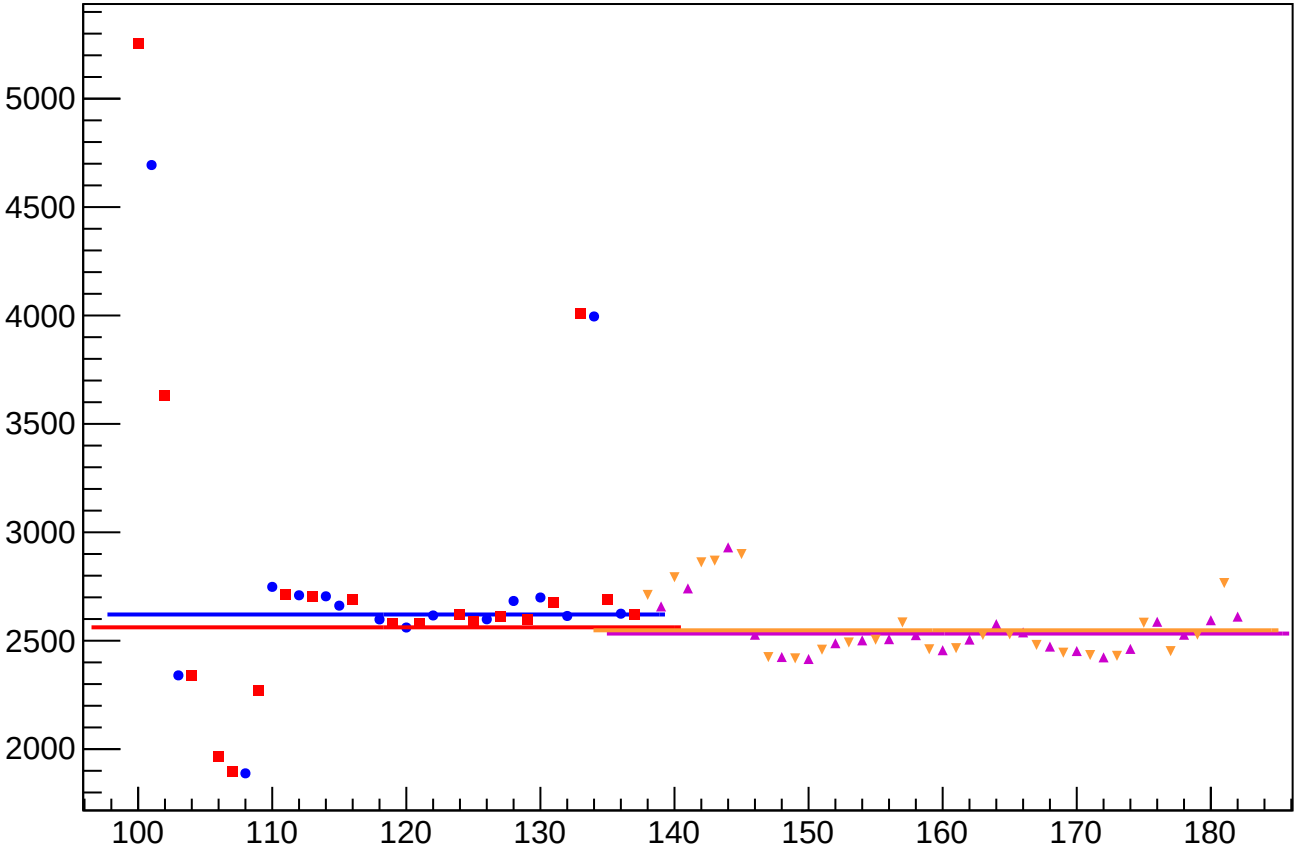
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3431.918+/-511.338 χ^2/NDF:27.4/37

Out: 1507.204+/-507.405 χ^2/NDF:44.9/41

All: 2462.130+/-360.172 χ^2/NDF: 79.5/79

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2548.006+/-0.422 χ^2/NDF:115257.0/22

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2532.980+/-0.422 χ^2/NDF:68426.3/21

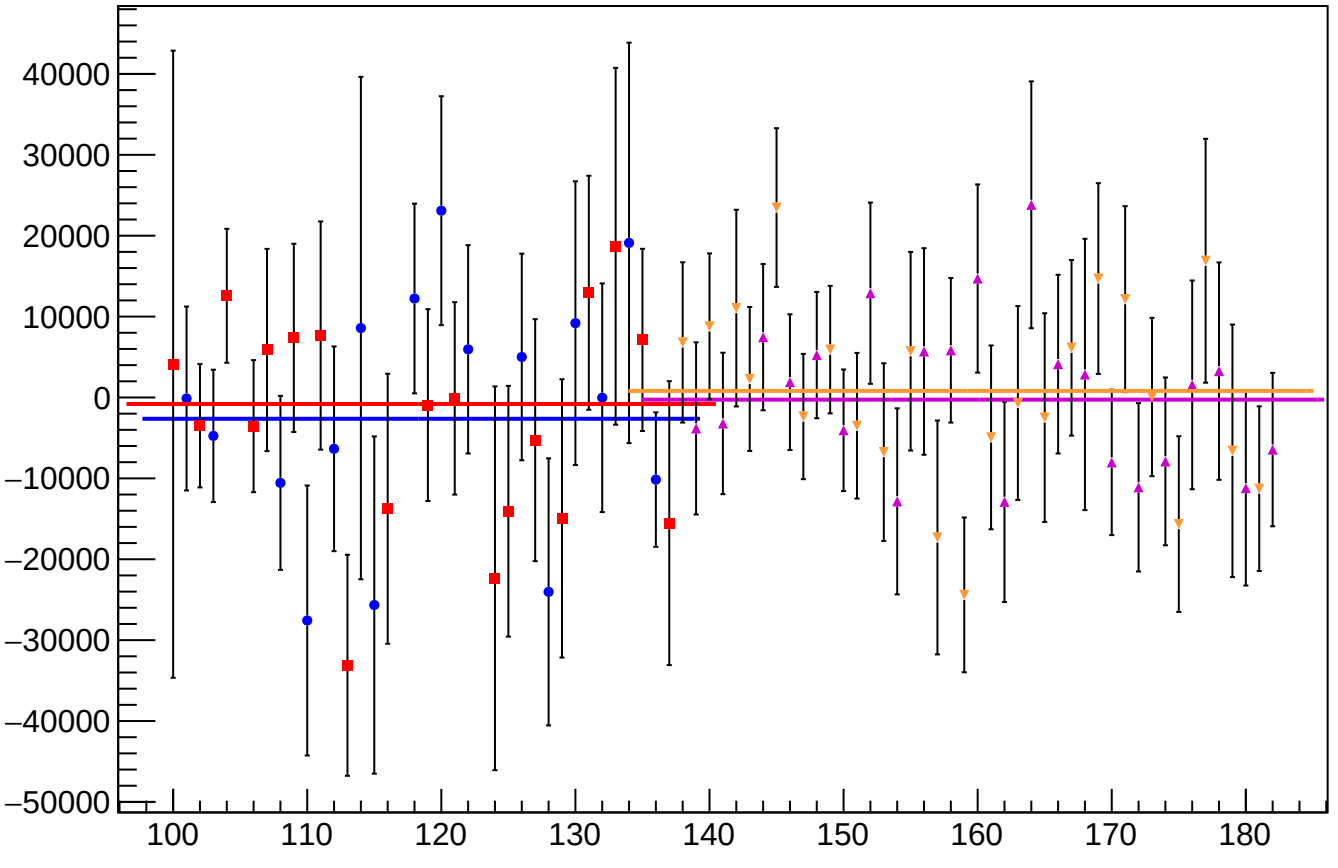
Left: 2540.502+/-0.298 χ^2/NDF: 184317.5/44

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2556.426+/-0.362 χ^2/NDF:565914.9/37

Out: 2551.792+/-0.359 χ^2/NDF:493808.6/41

All: 2554.091+/-0.255 χ^2/NDF: 1059806.2/79



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 807.844+/-2187.249 χ^2/NDF:25.2/22

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: -268.432+/-2197.830 χ^2/NDF:14.1/21

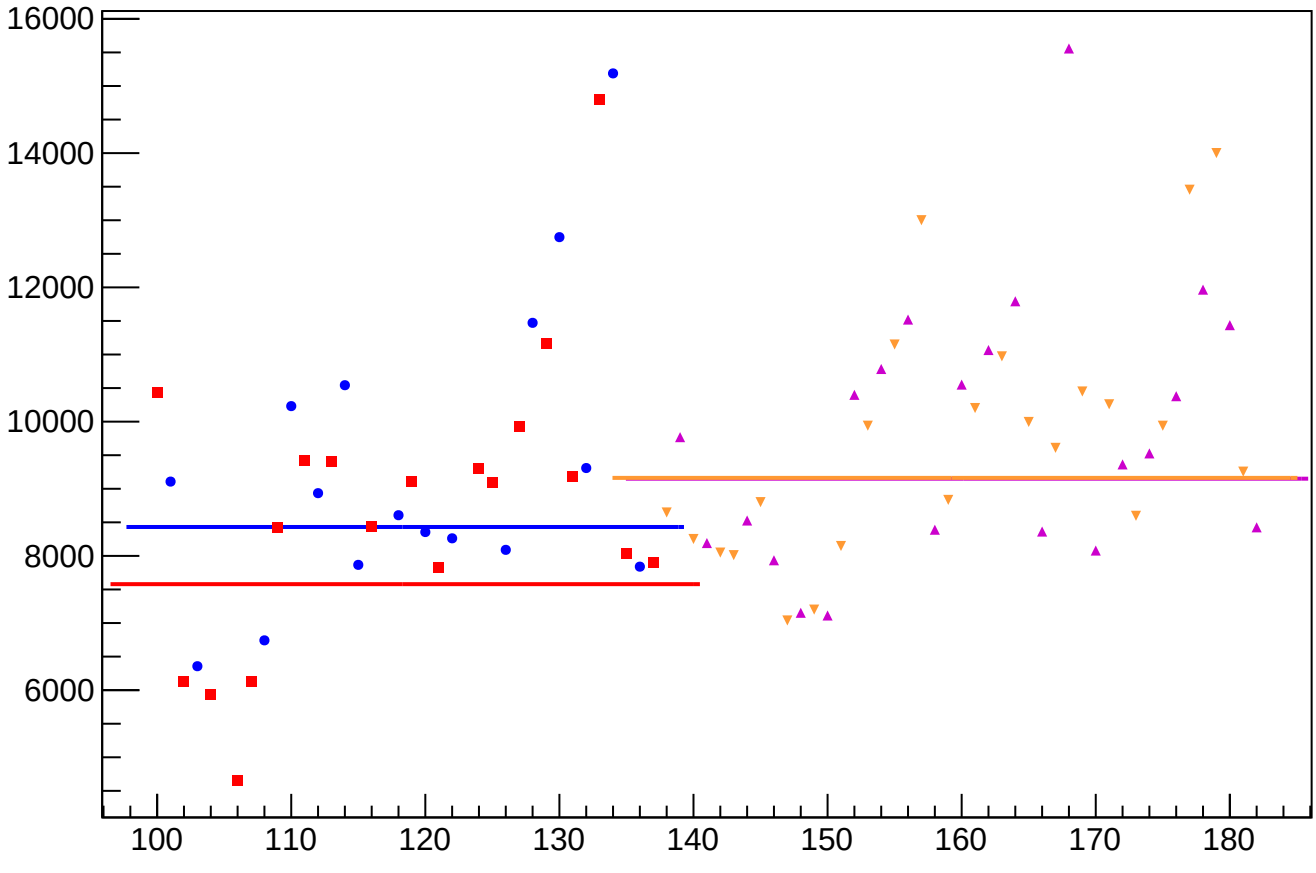
Left: 272.303+/-1550.346 χ^2/NDF: 39.5/44

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -1022.299+/-1813.758 χ^2/NDF:28.3/37

Out: 216.810+/-1740.290 χ^2/NDF:40.8/41

All: -377.141+/-1255.740 χ^2/NDF: 69.3/79



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 9162.143+/-1.547 χ^2/NDF:1071624.7/22

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 9150.248+/-1.554 χ^2/NDF:1169375.0/21

Left: 9156.224+/-1.096 χ^2/NDF: 2241029.1/44

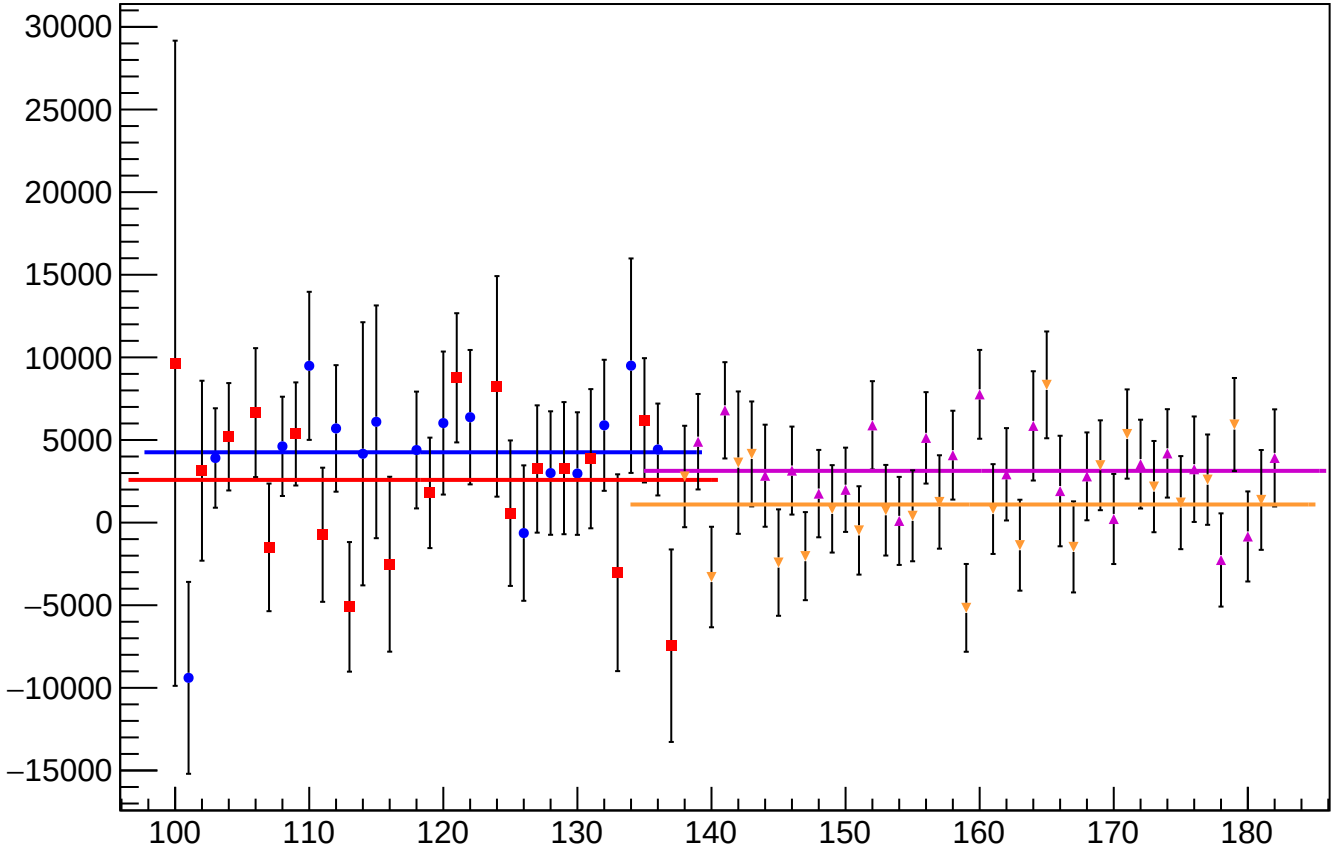
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8920.760+/-1.283 χ^2/NDF:1818032.8/37

Out: 8581.270+/-1.231 χ^2/NDF:2430169.8/41

All: 8744.000+/-0.888 χ^2/NDF: 4284684.9/79

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 1096.698+/-596.276 χ^2/NDF:25.6/22

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3132.177+/-597.040 χ^2/NDF:16.4/21

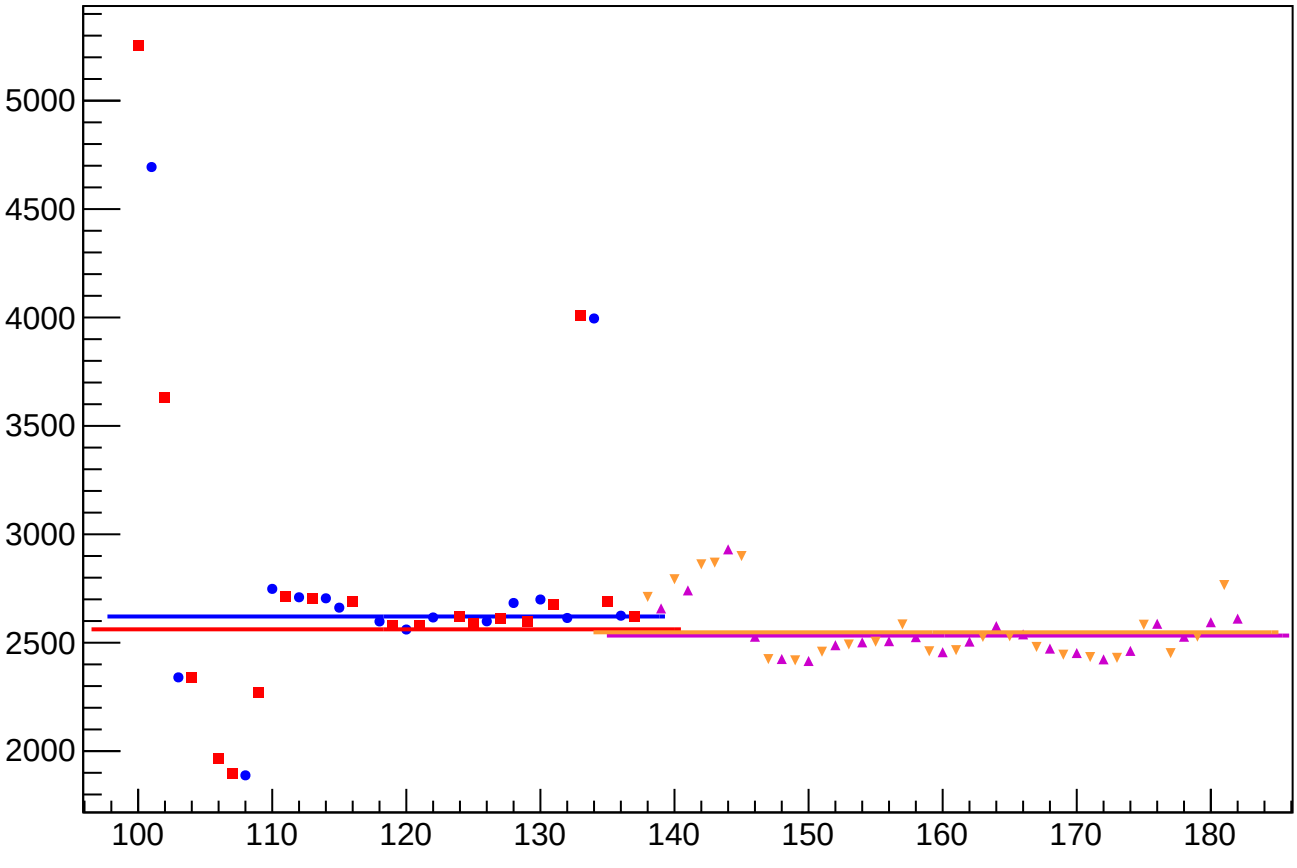
Left: 2113.135+/-421.901 χ^2/NDF: 47.8/44

Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3431.921+/-511.338 χ^2/NDF:27.4/37

Out: 1507.200+/-507.405 χ^2/NDF:44.9/41

All: 2462.129+/-360.172 χ^2/NDF: 79.5/79



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2548.007+/-0.422 χ^2/NDF:115257.0/22

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2532.982+/-0.422 χ^2/NDF:68426.0/21

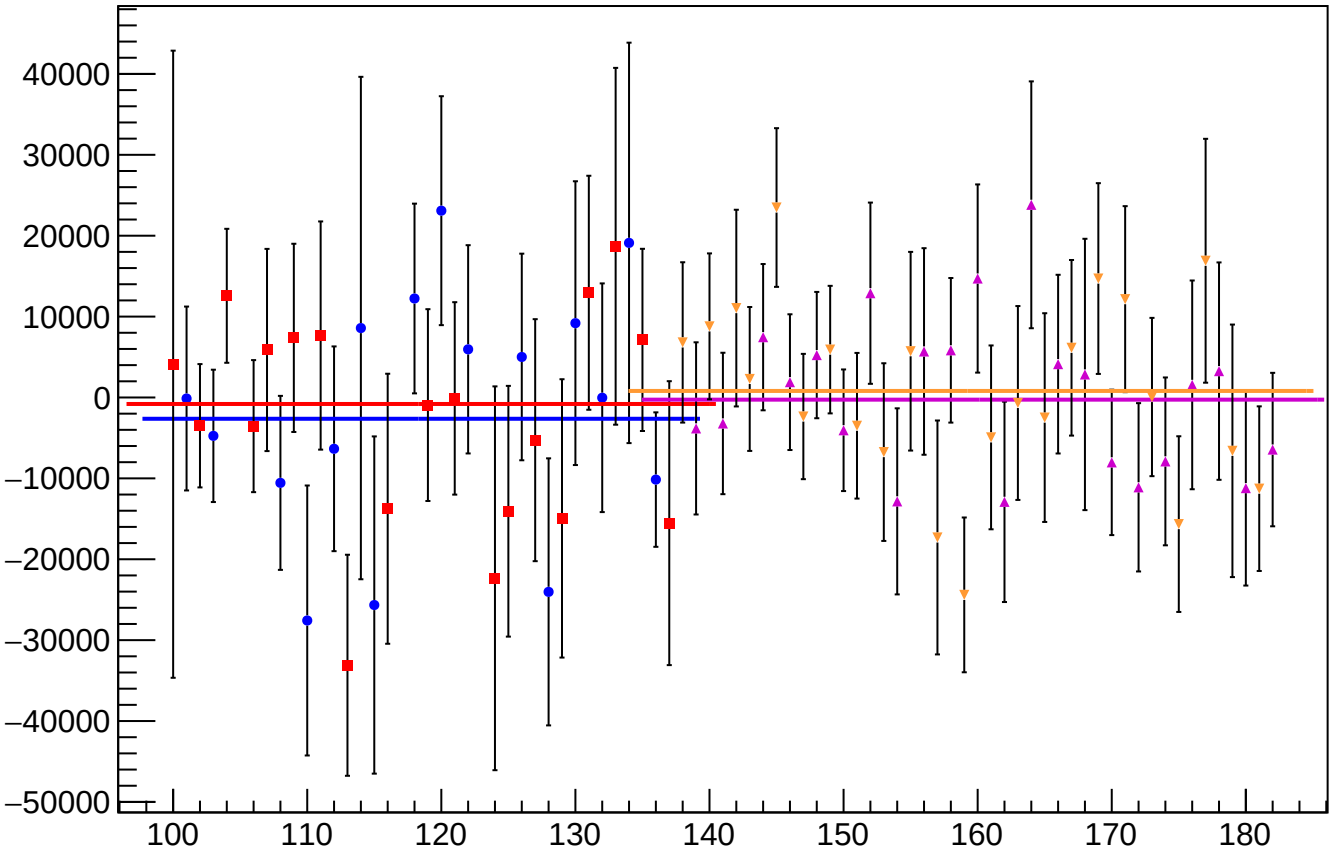
Left: 2540.504+/-0.298 χ^2/NDF: 184317.2/44

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2556.427+/-0.362 χ^2/NDF:565914.1/37

Out: 2551.793+/-0.359 χ^2/NDF:493807.9/41

All: 2554.092+/-0.255 χ^2/NDF: 1059804.8/79



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 807.841+/-2187.253 χ^2/NDF:25.2/22

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: -268.436+/-2197.834 χ^2/NDF:14.1/21

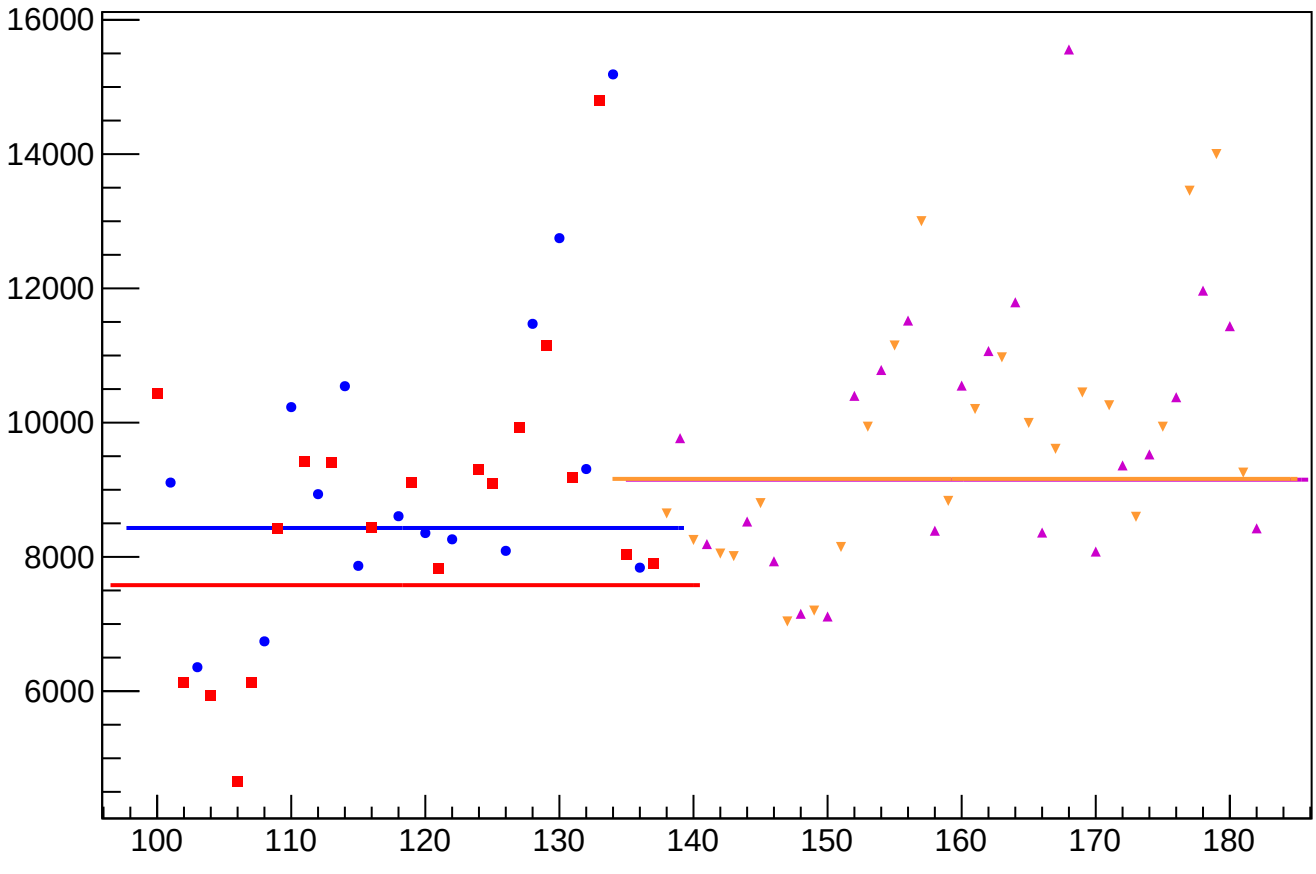
Left: 272.299+/-1550.349 χ^2/NDF: 39.5/44

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -1022.294+/-1813.759 χ^2/NDF:28.3/37

Out: 216.806+/-1740.291 χ^2/NDF:40.8/41

All: -377.140+/-1255.741 χ^2/NDF: 69.3/79



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 9162.157+/-1.547 χ^2/NDF:1071626.6/22

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 9150.261+/-1.554 χ^2/NDF:1169378.9/21

Left: 9156.238+/-1.096 χ^2/NDF: 2241034.9/44

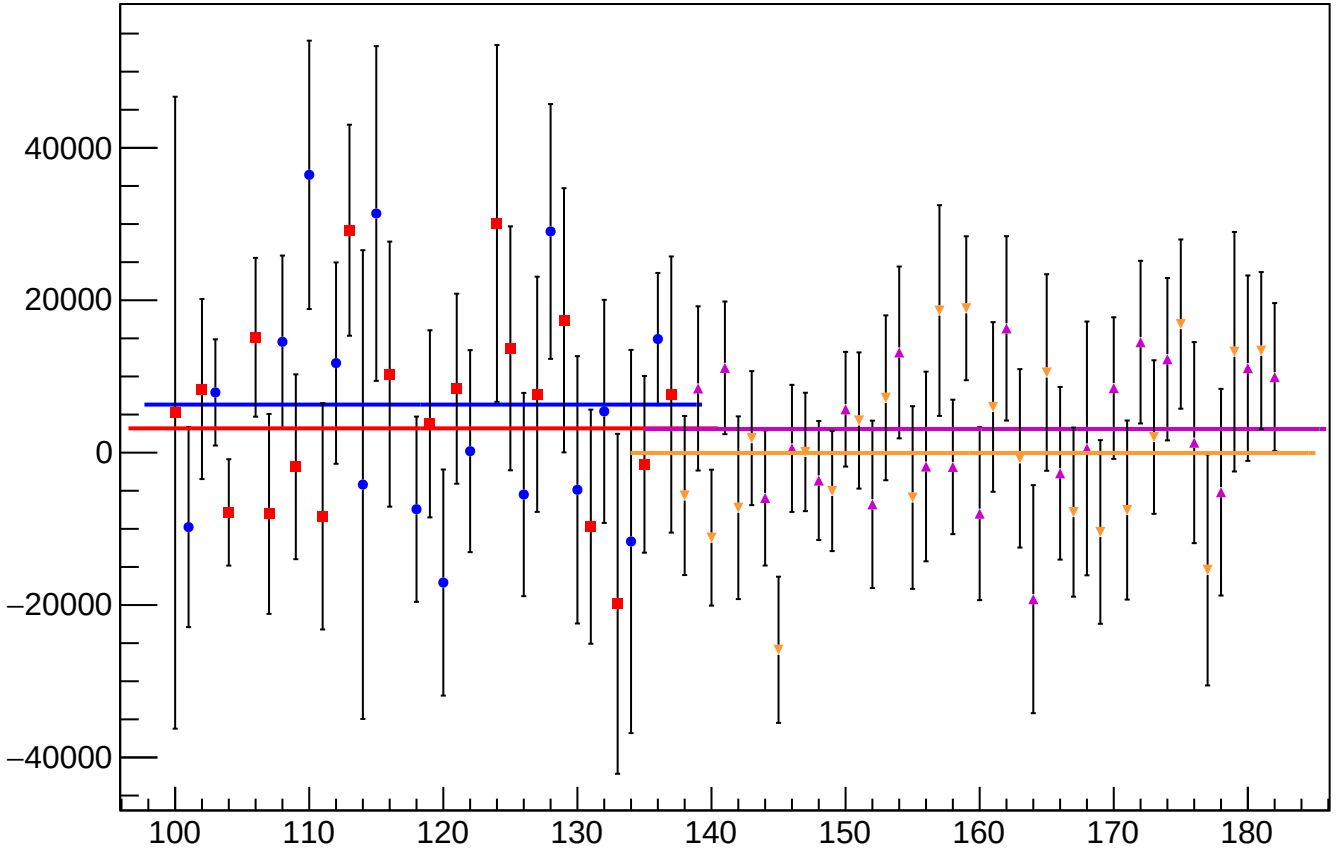
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8920.765+/-1.283 χ^2/NDF:1818035.6/37

Out: 8581.272+/-1.231 χ^2/NDF:2430181.2/41

All: 8744.004+/-0.888 χ^2/NDF: 4284699.6/79

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -39.996+/-2187.571 χ^2/NDF:25.1/22

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 3105.523+/-2200.230 χ^2/NDF:13.4/21

Left: 1523.689+/-1551.302 χ^2/NDF: 39.5/44

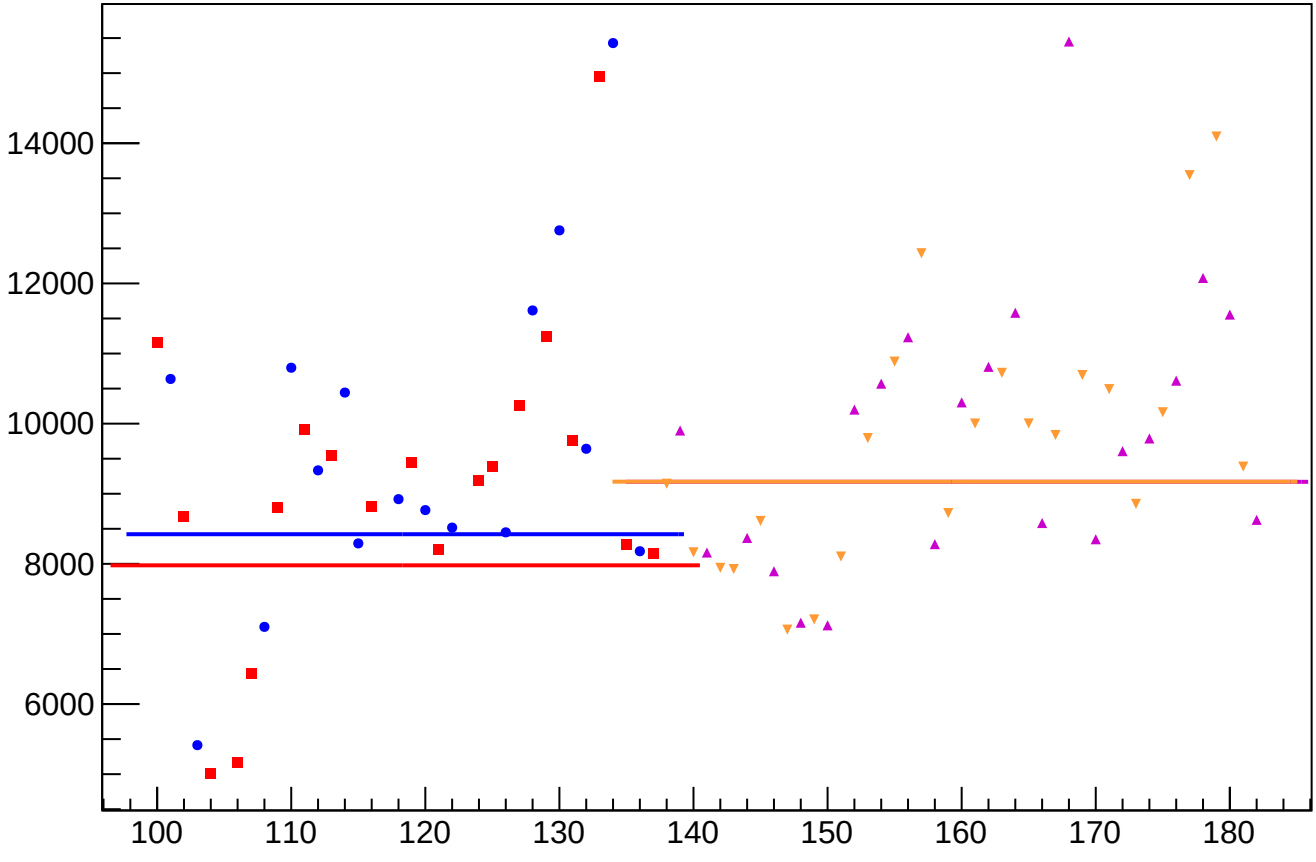
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 4116.077+/-1820.151 χ^2/NDF:29.1/37

Out: 1048.154+/-1781.284 χ^2/NDF:39.7/41

All: 2549.010+/-1273.077 χ^2/NDF: 70.3/79

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 9172.161+/-1.547 χ^2/NDF:1056932.0/22

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 9170.142+/-1.556 χ^2/NDF:1126147.6/21

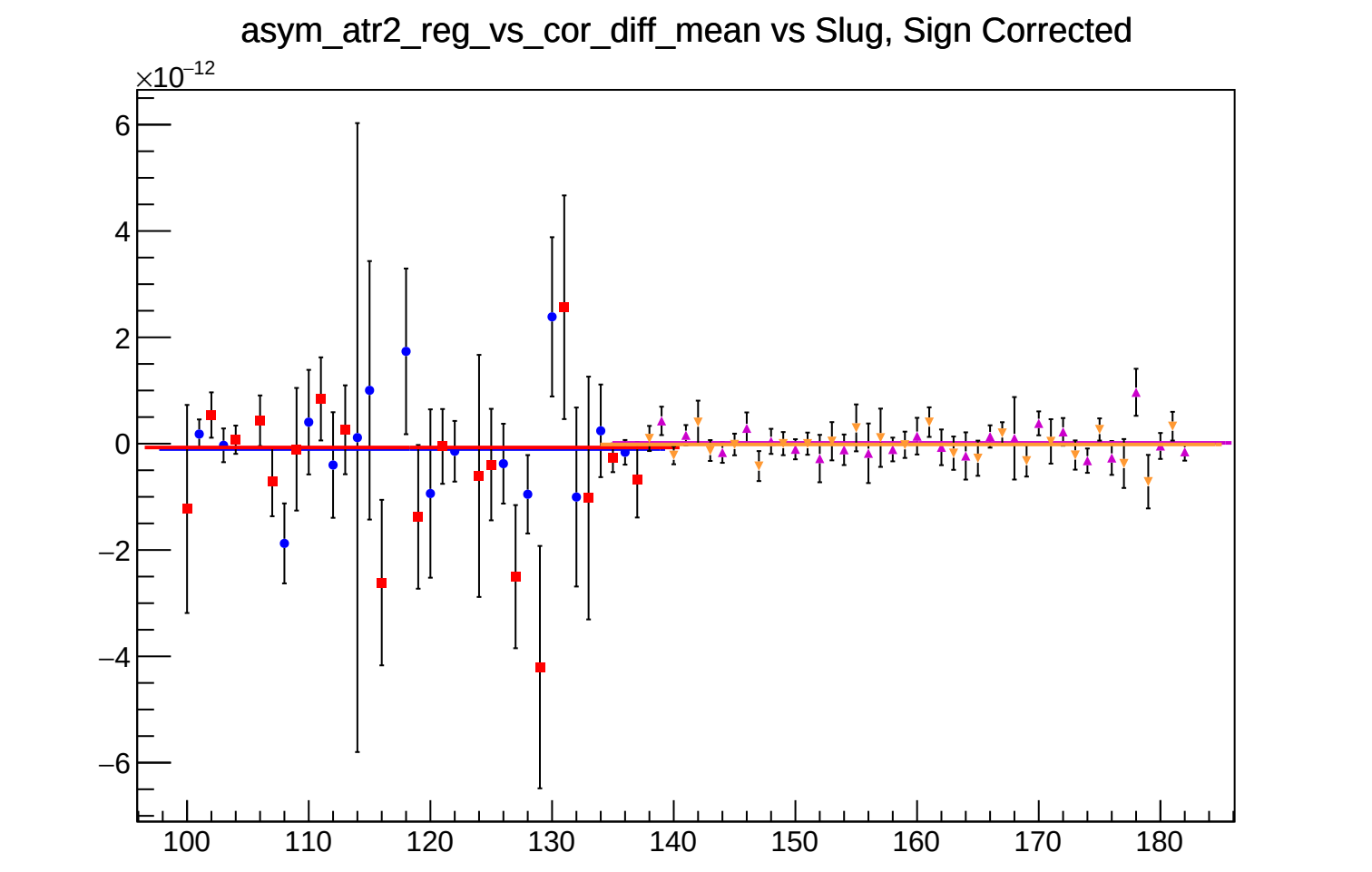
Left: 9171.157+/-1.097 χ^2/NDF: 2183080.4/44

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8934.218+/-1.287 χ^2/NDF:2080832.1/37

Out: 8770.107+/-1.260 χ^2/NDF:2273439.6/41

All: 8850.391+/-0.900 χ^2/NDF: 4362576.6/79



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

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/22

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:18.9/21

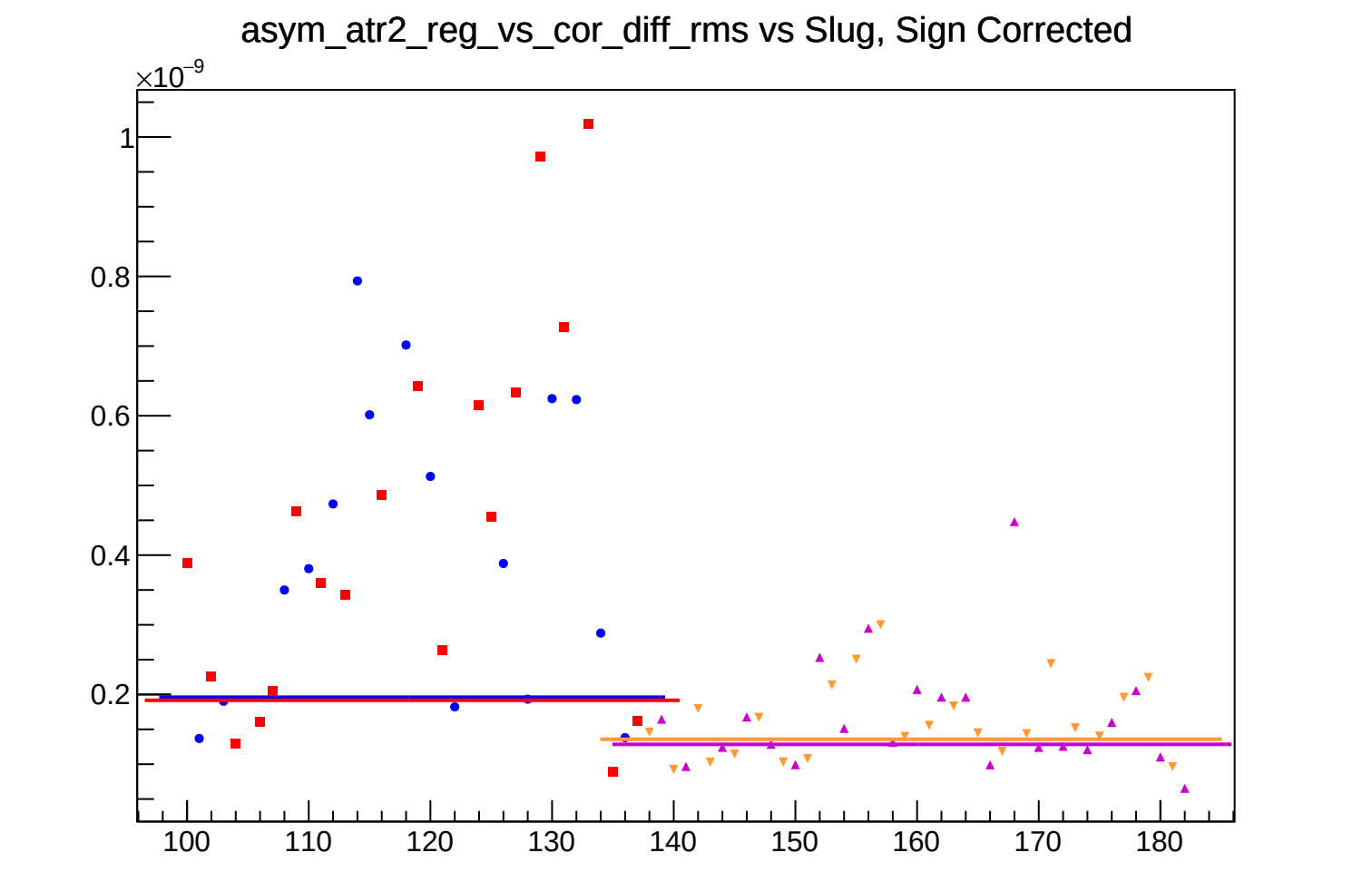
Left: 0.000+/-0.000 χ^2/NDF: 36.7/44

Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: -0.000+/-0.000 χ^2/NDF:33.2/37

Out: -0.000+/-0.000 χ^2/NDF:37.4/41

All: -0.000+/-0.000 χ^2/NDF: 70.7/79



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1105890.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1513489.9/21

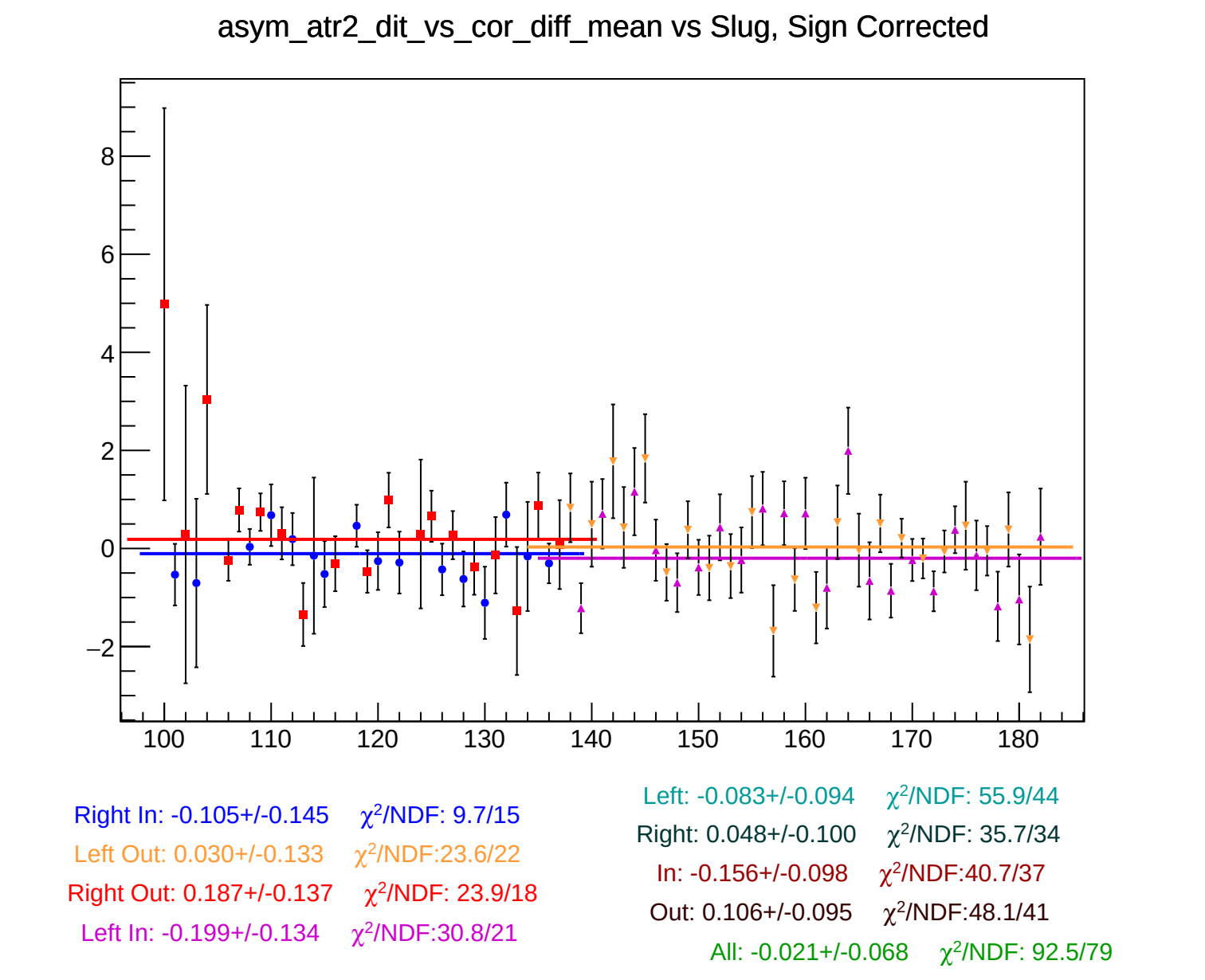
Left: 0.000+/-0.000 χ^2/NDF: 2636853.4/44

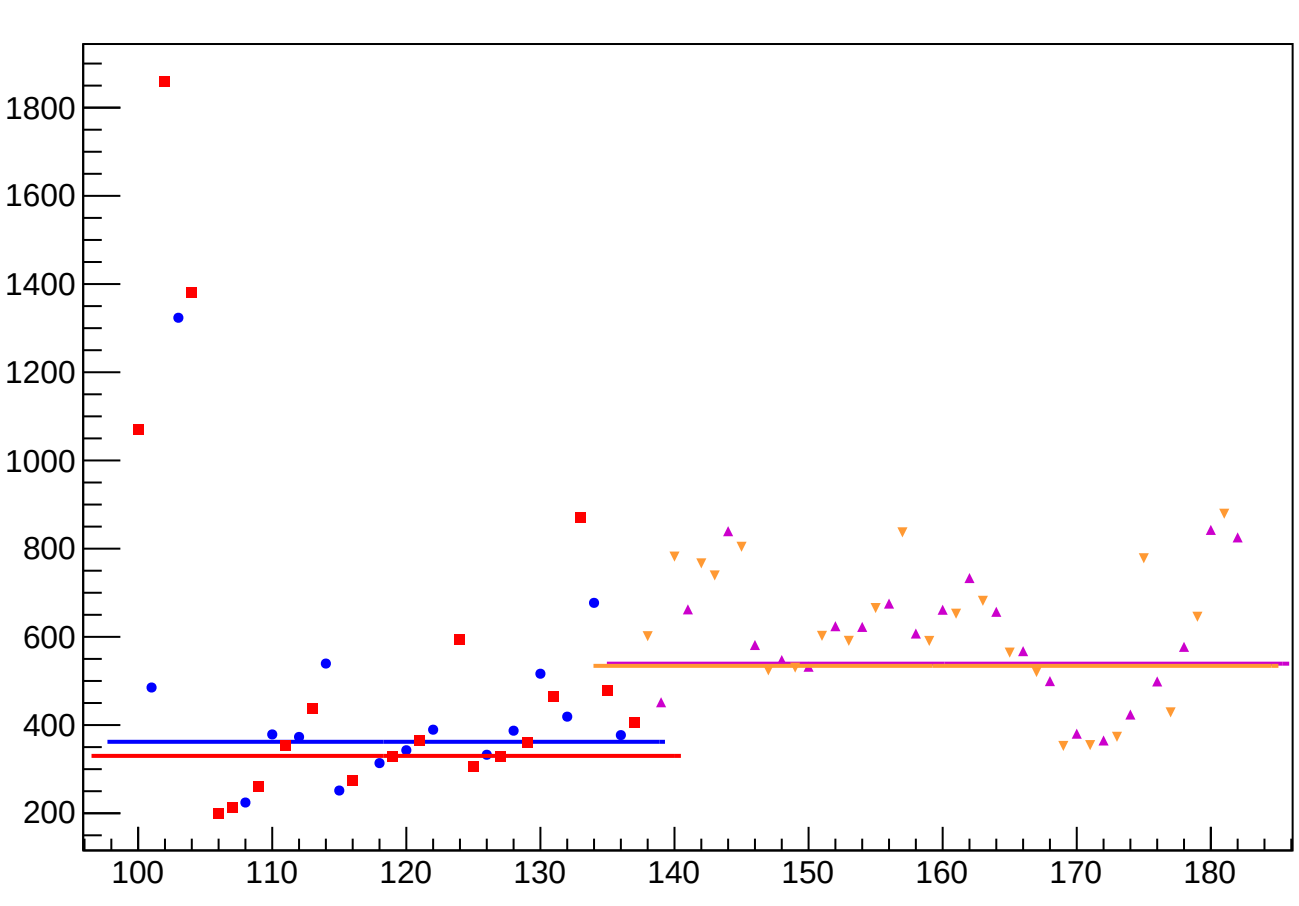
Right: 0.000+/-0.000 χ^2/NDF: 3409753.0/34

In: 0.000+/-0.000 χ^2/NDF:3290244.5/37

Out: 0.000+/-0.000 χ^2/NDF:3451378.1/41

All: 0.000+/-0.000 χ^2/NDF: 6751906.4/79


asym_atr2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.030+/-0.133 χ²/NDF:23.6/22
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.199+/-0.134 χ²/NDF:30.8/21
Left: -0.083+/-0.094 χ²/NDF: 55.9/44
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.156+/-0.098 χ²/NDF:40.7/37
Out: 0.106+/-0.095 χ²/NDF:48.1/41
All: -0.021+/-0.068 χ²/NDF: 92.5/79



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 534.267+/-0.094 χ^2/NDF:2605896.7/22

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 539.193+/-0.095 χ^2/NDF:1878326.0/21

Left: 536.706+/-0.067 χ^2/NDF: 4485590.4/44

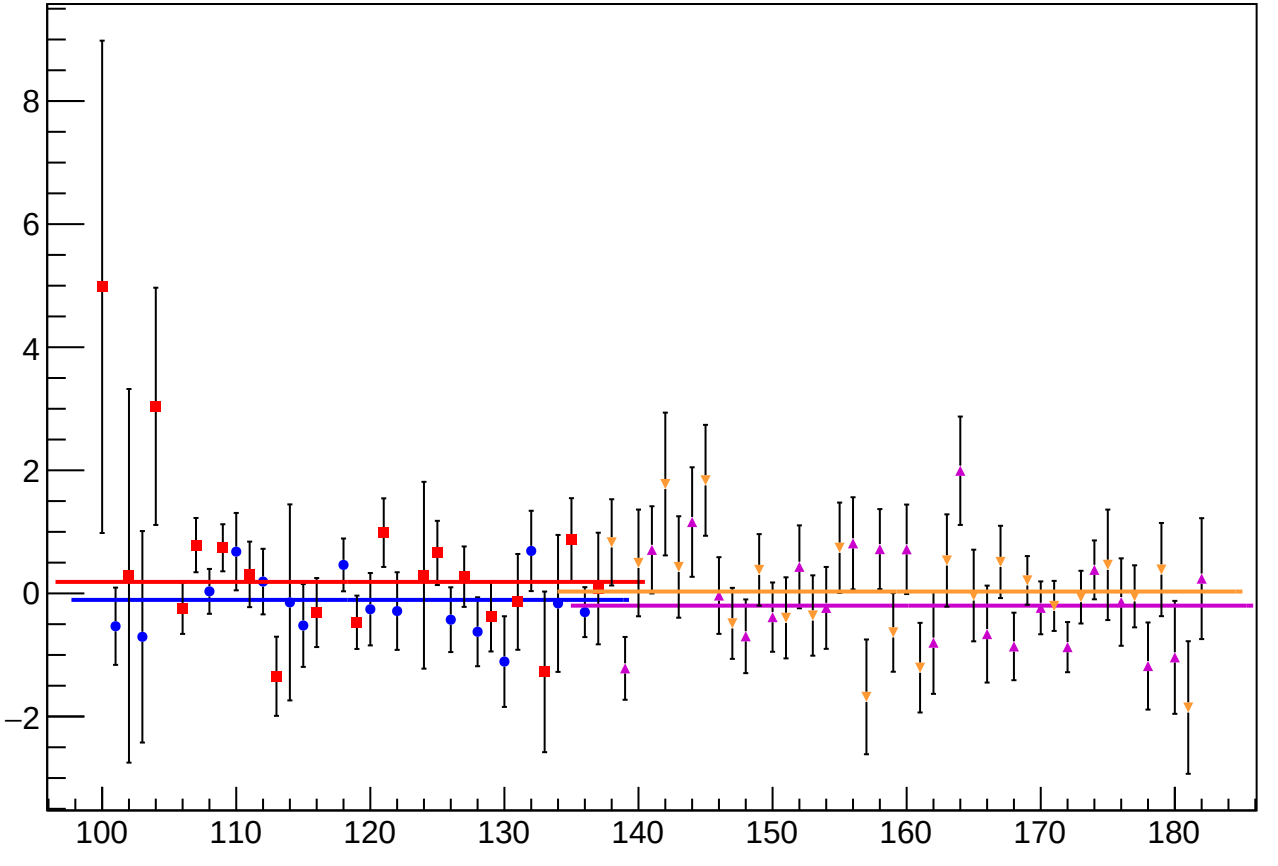
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 457.488+/-0.069 χ^2/NDF:4871207.9/37

Out: 435.864+/-0.067 χ^2/NDF:7140138.4/41

All: 446.356+/-0.048 χ^2/NDF: 12061211.6/79

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.030+/-0.133 χ^2/NDF:23.6/22

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.199+/-0.134 χ^2/NDF:30.8/21

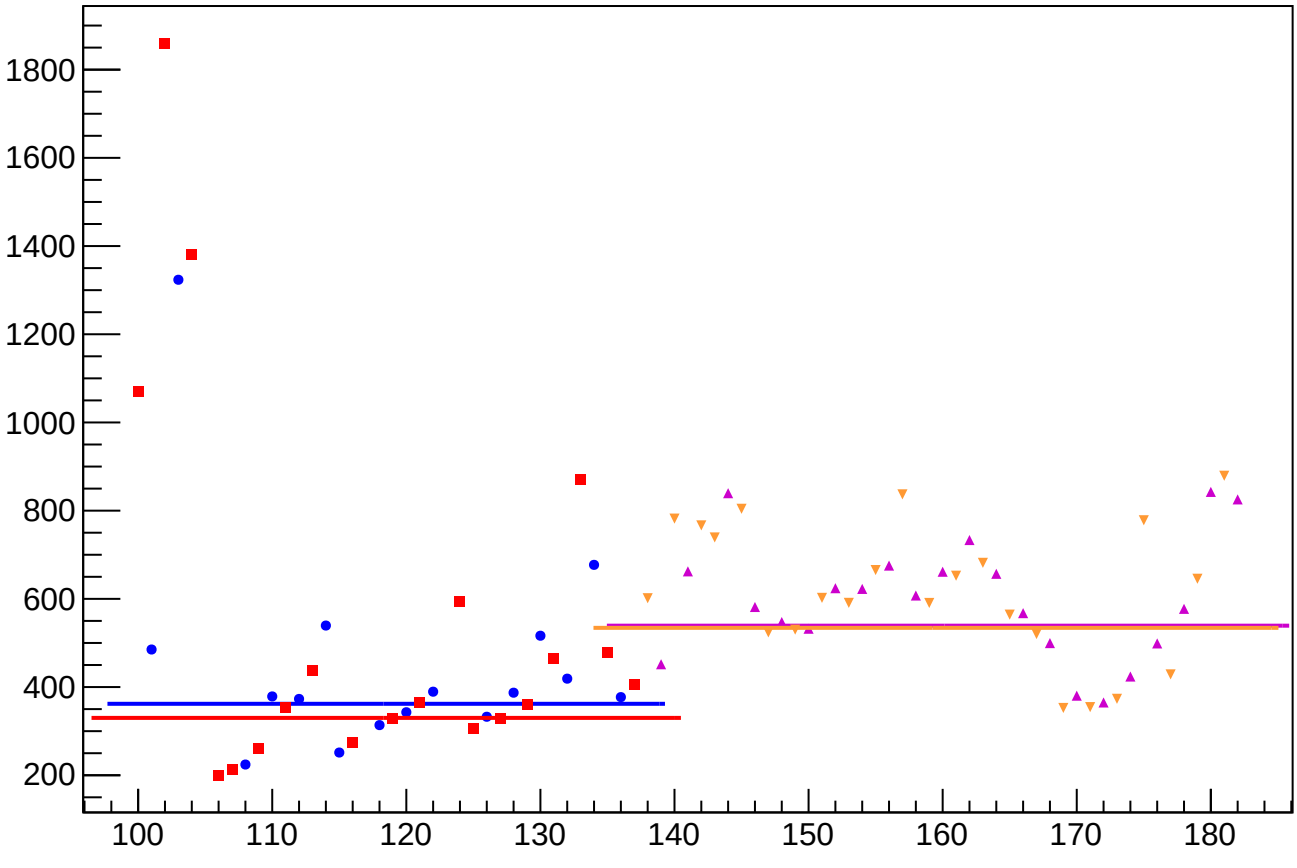
Left: -0.083+/-0.094 χ^2/NDF: 55.9/44

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.156+/-0.098 χ^2/NDF:40.7/37

Out: 0.106+/-0.095 χ^2/NDF:48.1/41

All: -0.021+/-0.068 χ^2/NDF: 92.5/79



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 534.267+/-0.094 χ^2/NDF:2605896.7/22

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 539.193+/-0.095 χ^2/NDF:1878326.0/21

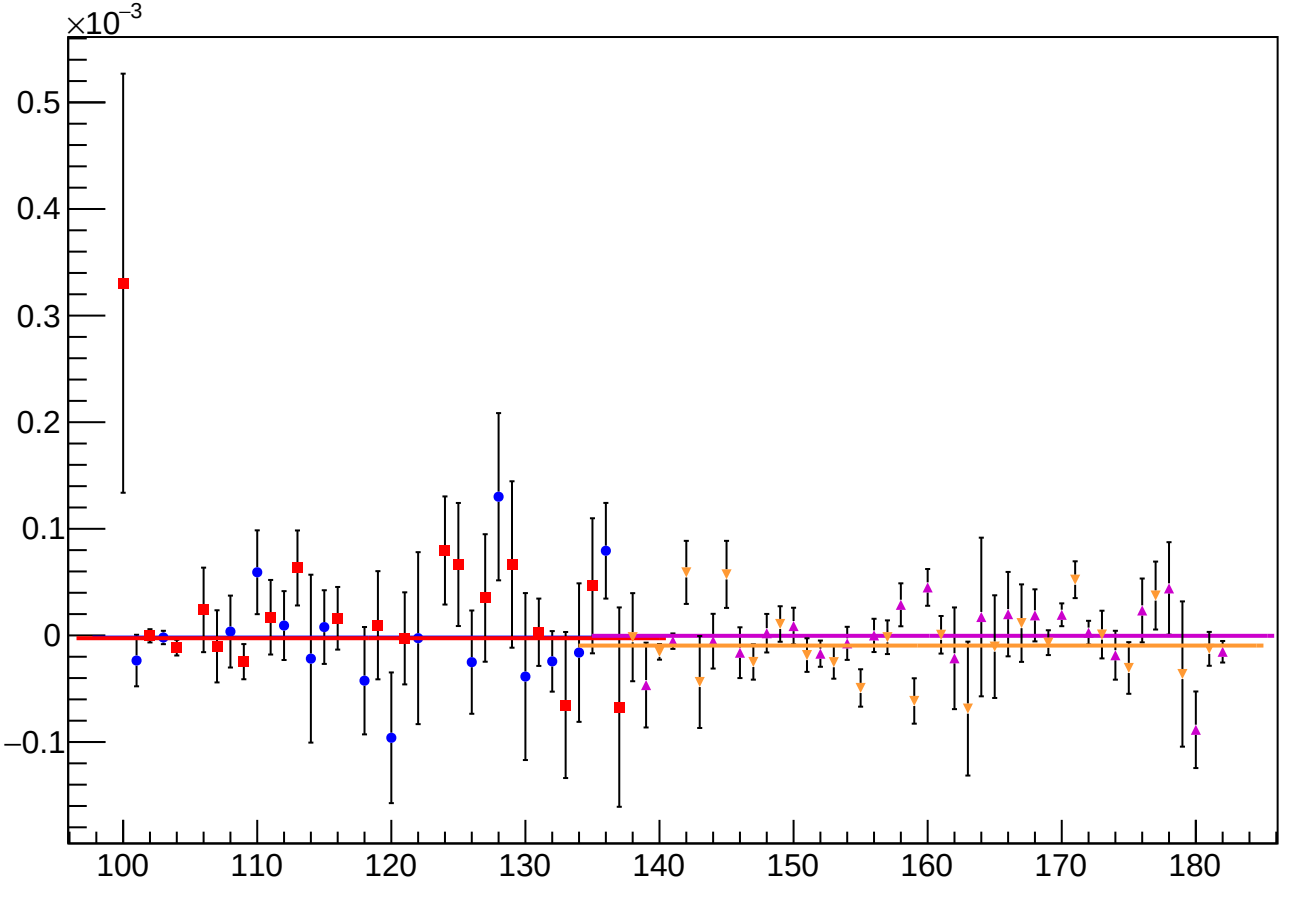
Left: 536.706+/-0.067 χ^2/NDF: 4485590.4/44

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 457.488+/-0.069 χ^2/NDF:4871207.9/37

Out: 435.864+/-0.067 χ^2/NDF:7140138.4/41

All: 446.356+/-0.048 χ^2/NDF: 12061211.6/79



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

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/22

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:28.8/21

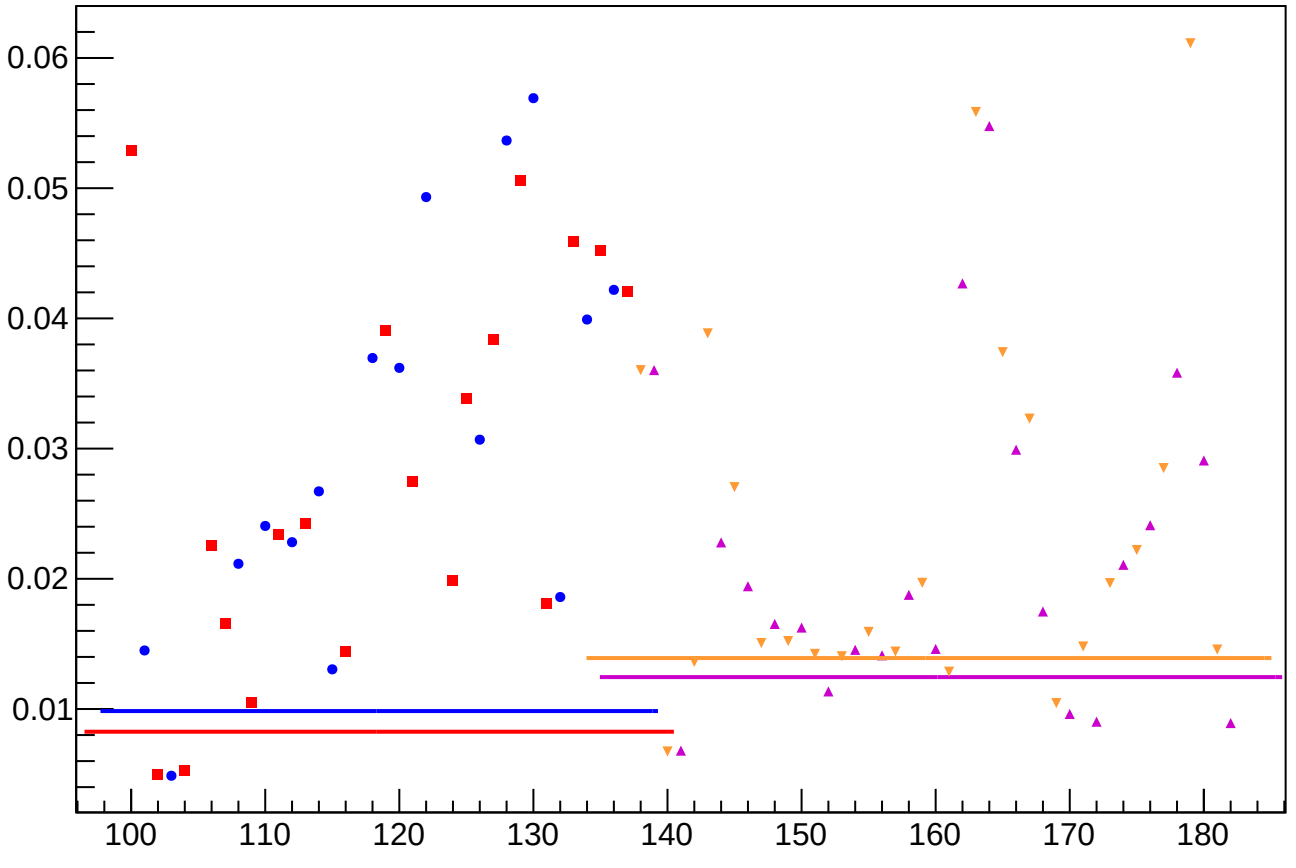
Left: -0.000+/-0.000 χ^2/NDF: 76.0/44

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:42.6/37

Out: -0.000+/-0.000 χ^2/NDF:63.6/41

All: -0.000+/-0.000 χ^2/NDF: 108.2/79



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.014+/-0.000 χ^2/NDF:7512596.1/22

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.012+/-0.000 χ^2/NDF:7016722.2/21

Left: 0.013+/-0.000 χ^2/NDF: 14693999.8/44

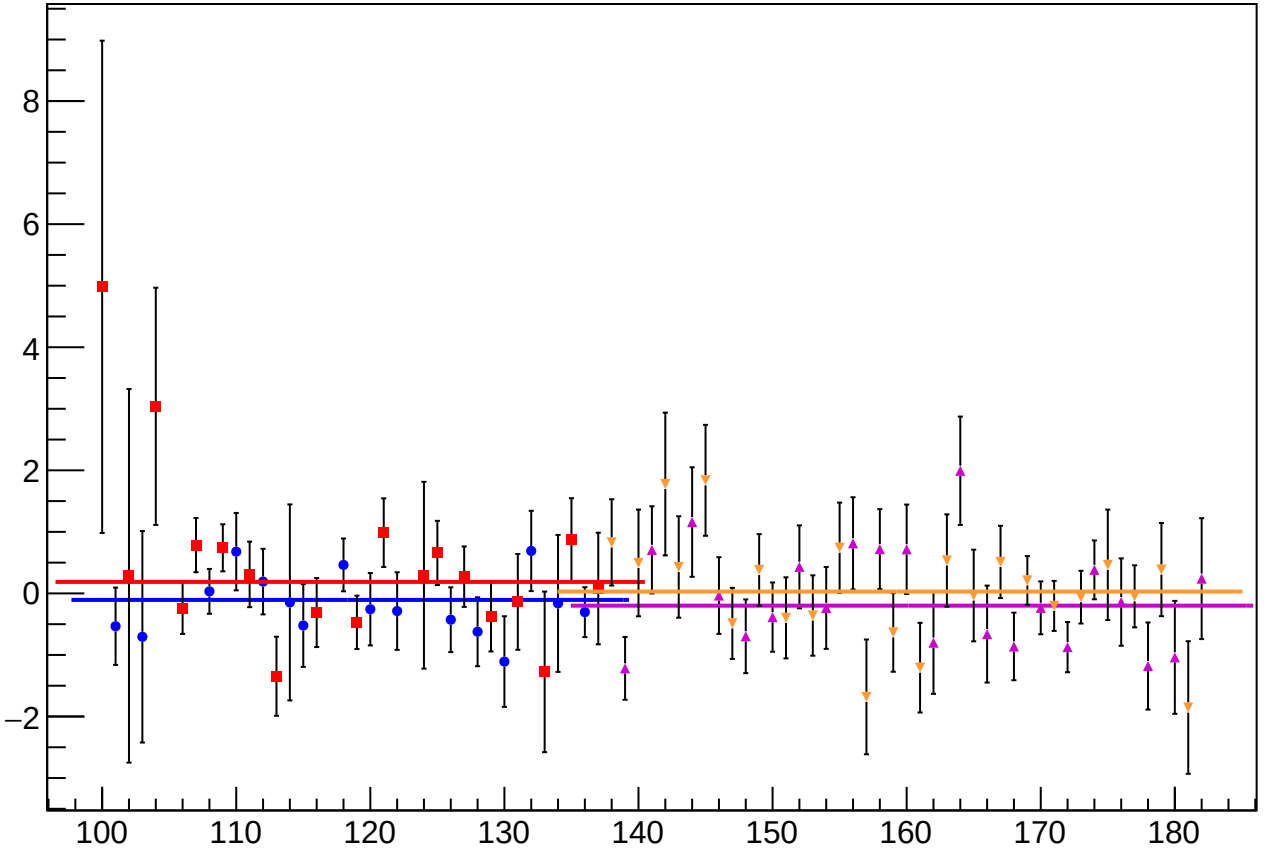
Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:14399833.6/37

Out: 0.011+/-0.000 χ^2/NDF:16257388.2/41

All: 0.012+/-0.000 χ^2/NDF: 30666676.0/79

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.030+/-0.133 χ^2/NDF:23.6/22

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.199+/-0.134 χ^2/NDF:30.8/21

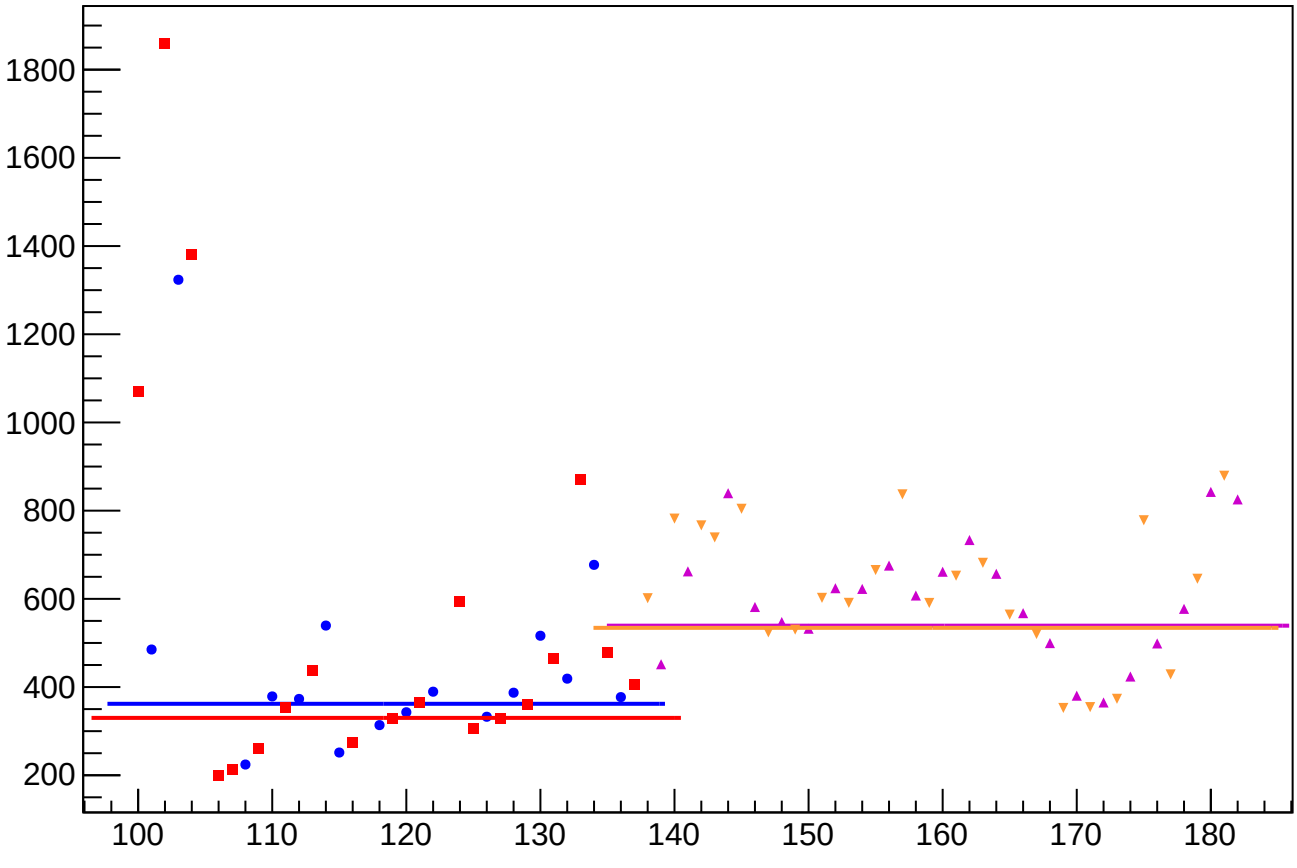
Left: -0.083+/-0.094 χ^2/NDF: 55.9/44

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.156+/-0.098 χ^2/NDF:40.7/37

Out: 0.106+/-0.095 χ^2/NDF:48.1/41

All: -0.021+/-0.068 χ^2/NDF: 92.5/79



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 534.272+/-0.094 χ^2/NDF:2605987.8/22

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 539.199+/-0.095 χ^2/NDF:1878366.0/21

Left: 536.711+/-0.067 χ^2/NDF: 4485722.0/44

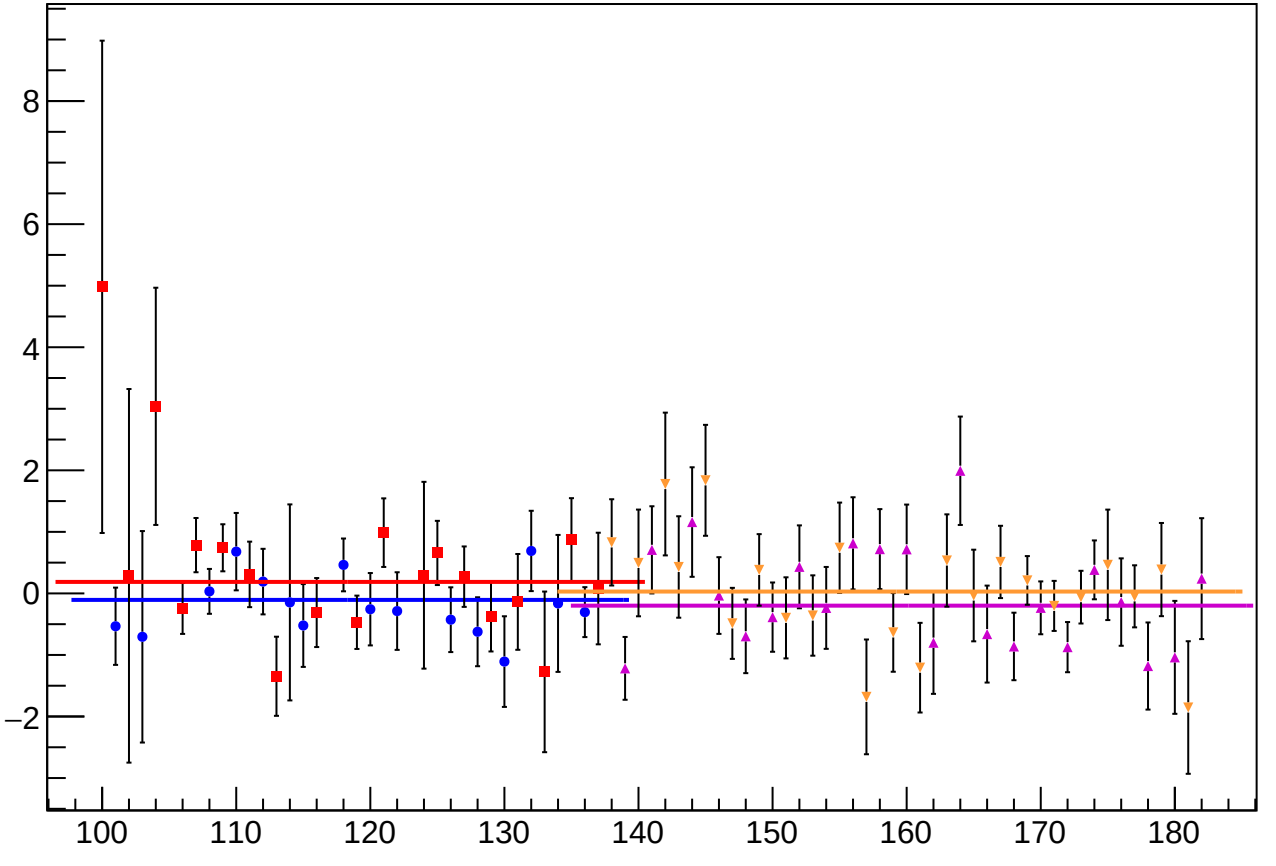
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 457.488+/-0.069 χ^2/NDF:4871390.5/37

Out: 435.864+/-0.067 χ^2/NDF:7140337.3/41

All: 446.356+/-0.048 χ^2/NDF: 12061591.9/79

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.030+/-0.133 χ^2/NDF:23.6/22

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.199+/-0.134 χ^2/NDF:30.8/21

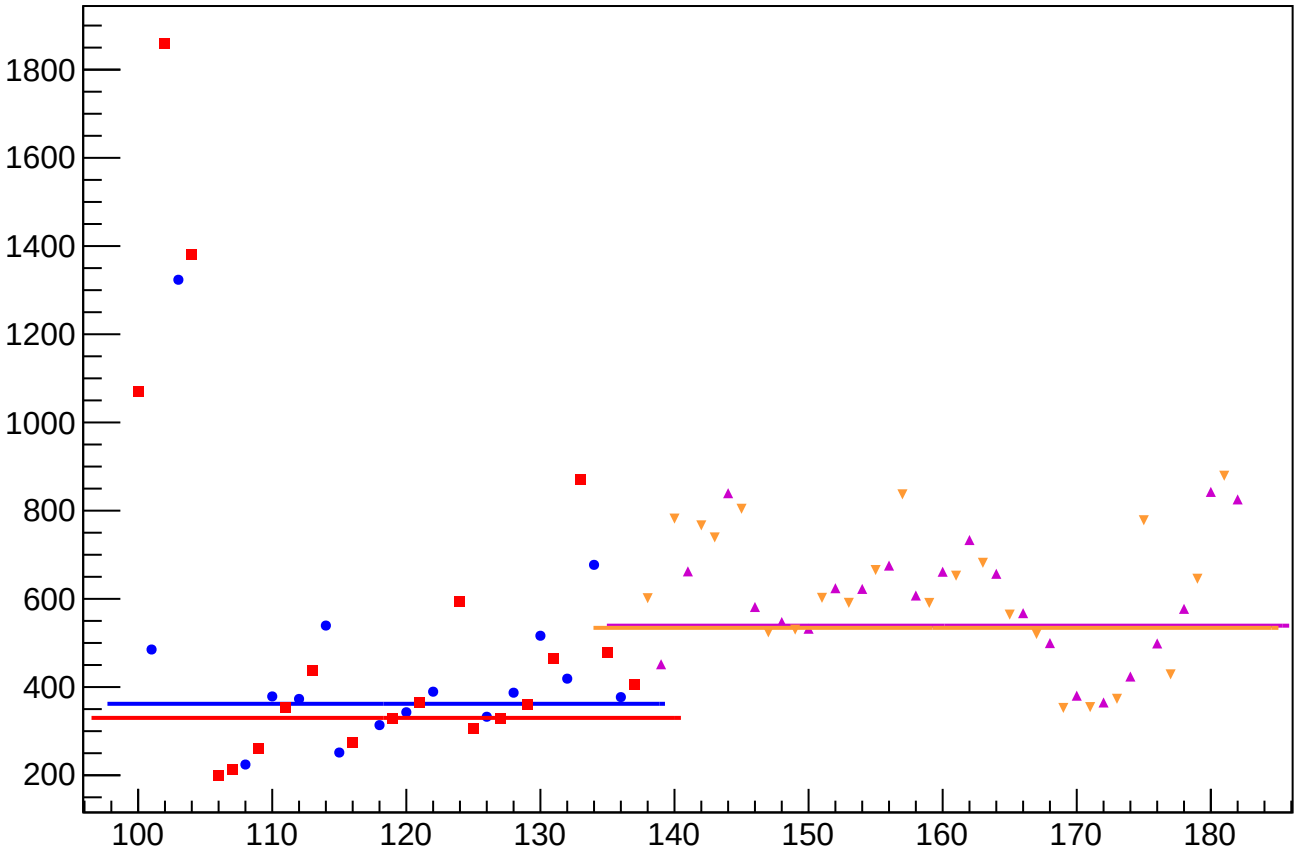
Left: -0.083+/-0.094 χ^2/NDF: 55.9/44

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.156+/-0.098 χ^2/NDF:40.7/37

Out: 0.106+/-0.095 χ^2/NDF:48.1/41

All: -0.021+/-0.068 χ^2/NDF: 92.5/79



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 534.272+/-0.094 χ^2/NDF:2605987.8/22

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 539.199+/-0.095 χ^2/NDF:1878366.0/21

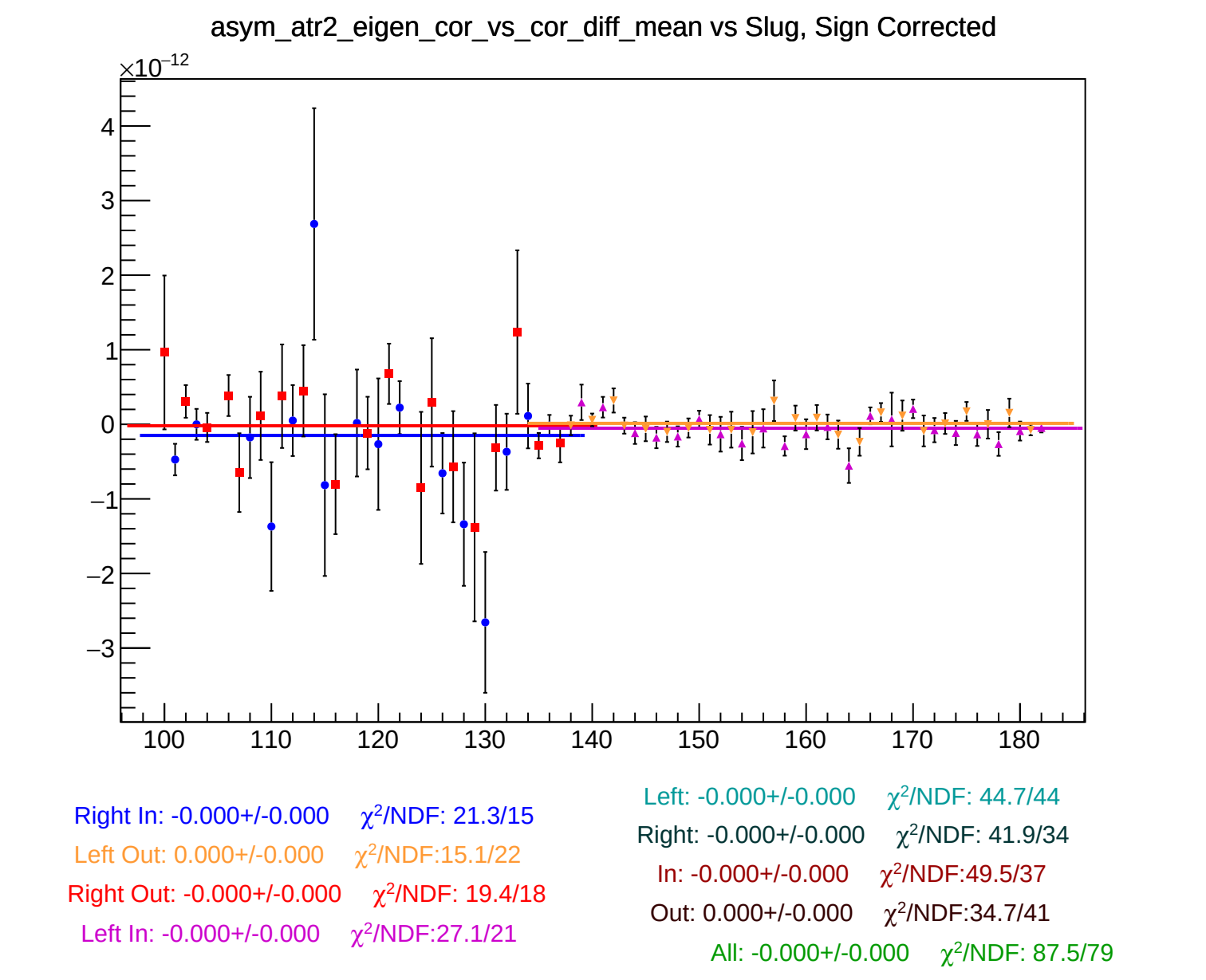
Left: 536.711+/-0.067 χ^2/NDF: 4485722.0/44

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 457.488+/-0.069 χ^2/NDF:4871390.5/37

Out: 435.864+/-0.067 χ^2/NDF:7140337.3/41

All: 446.356+/-0.048 χ^2/NDF: 12061591.9/79


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
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110
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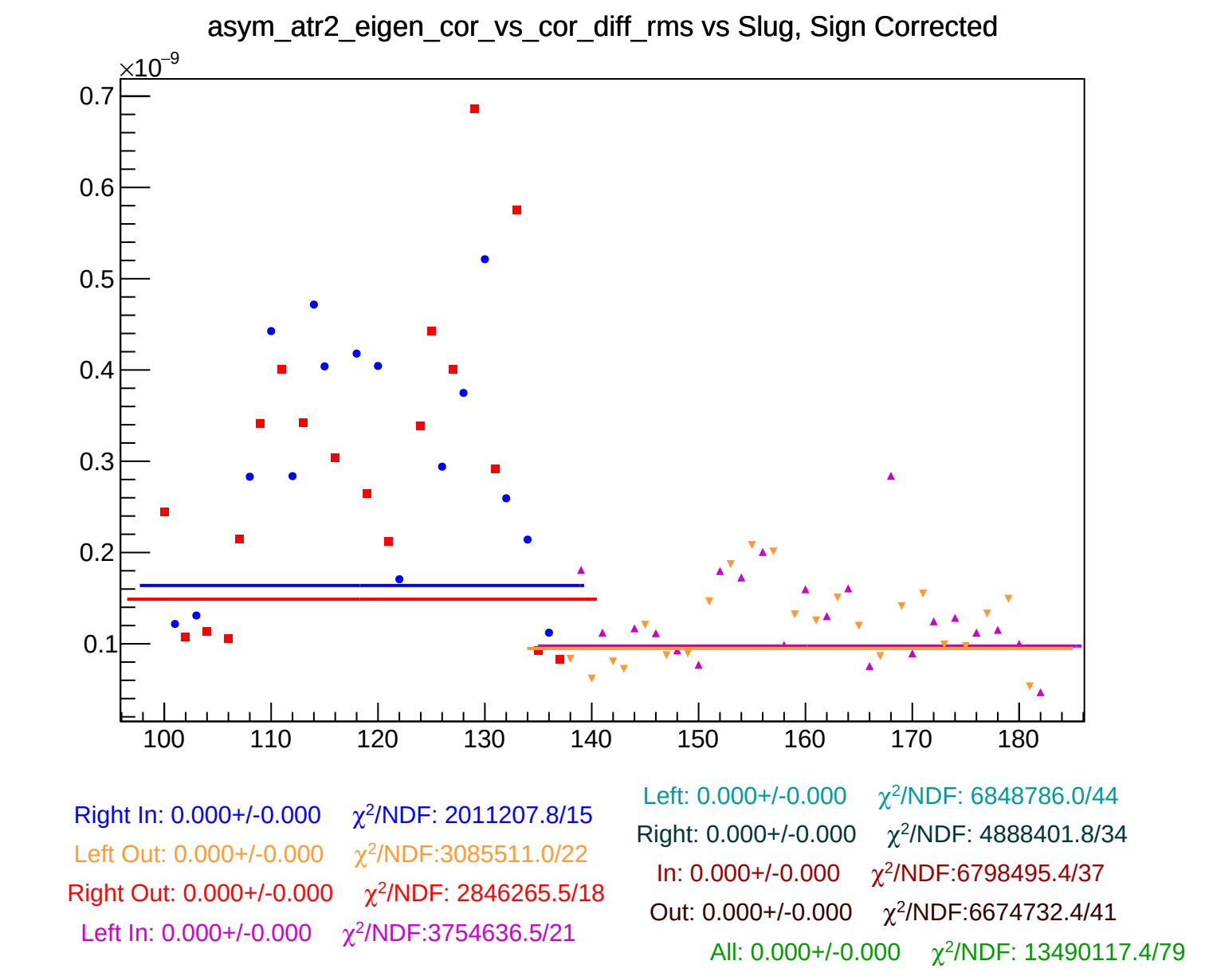
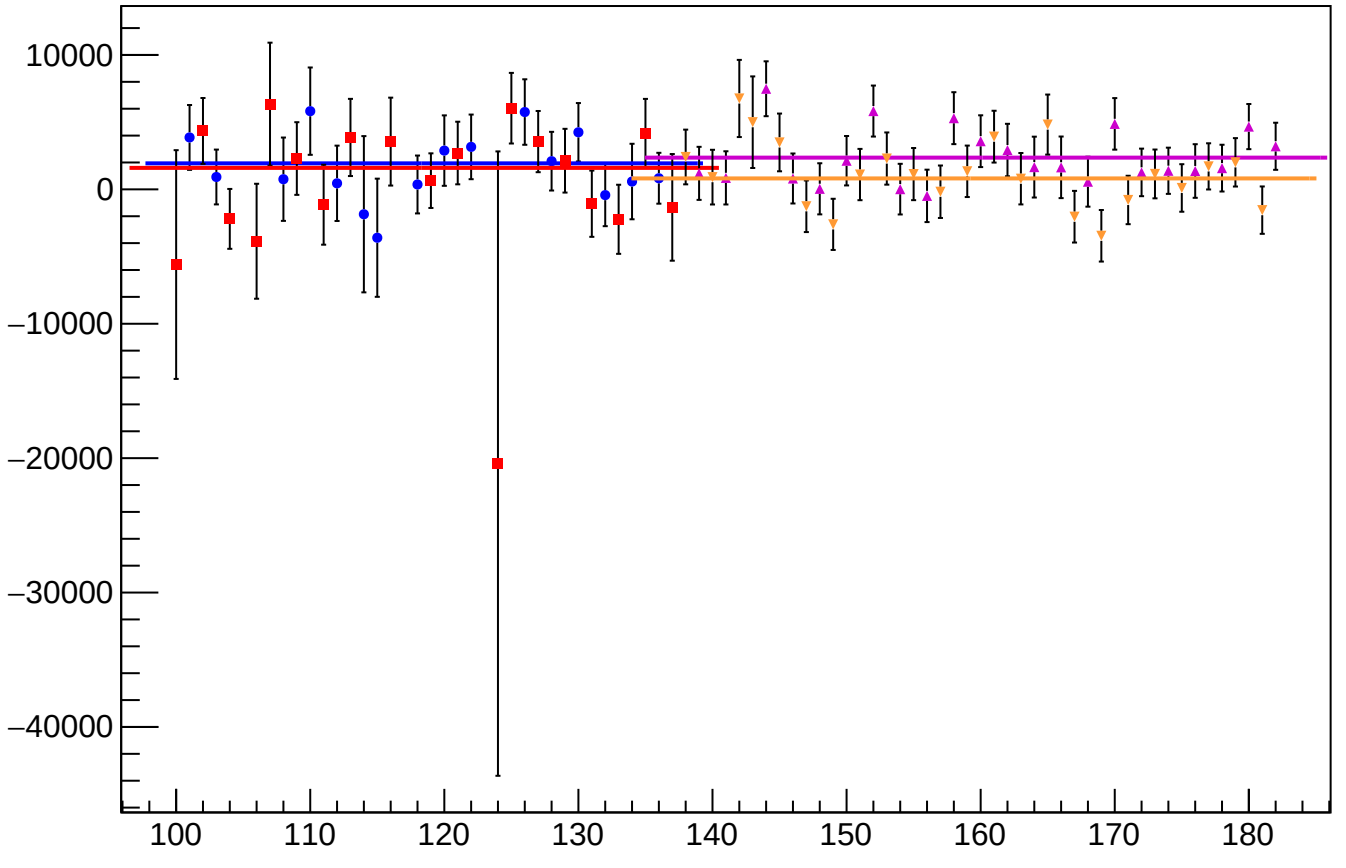
170
180
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:15.1/22
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:27.1/21
Left: -0.000+/-0.000 χ²/NDF: 44.7/44
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:49.5/37
Out: 0.000+/-0.000 χ²/NDF:34.7/41
All: -0.000+/-0.000 χ²/NDF: 87.5/79


asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2011207.8/15
Left Out: 0.000+/-0.000 χ²/NDF:3085511.0/22
Right Out: 0.000+/-0.000 χ²/NDF: 2846265.5/18
Left In: 0.000+/-0.000 χ²/NDF:3754636.5/21
Left: 0.000+/-0.000 χ²/NDF: 6848786.0/44
Right: 0.000+/-0.000 χ²/NDF: 4888401.8/34
In: 0.000+/-0.000 χ²/NDF:6798495.4/37
Out: 0.000+/-0.000 χ²/NDF:6674732.4/41
All: 0.000+/-0.000 χ²/NDF: 13490117.4/79



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 813.801+/-408.883 χ^2/NDF:29.8/22

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2360.252+/-404.819 χ^2/NDF:25.4/21

Left: 1594.749+/-287.676 χ^2/NDF: 62.4/44

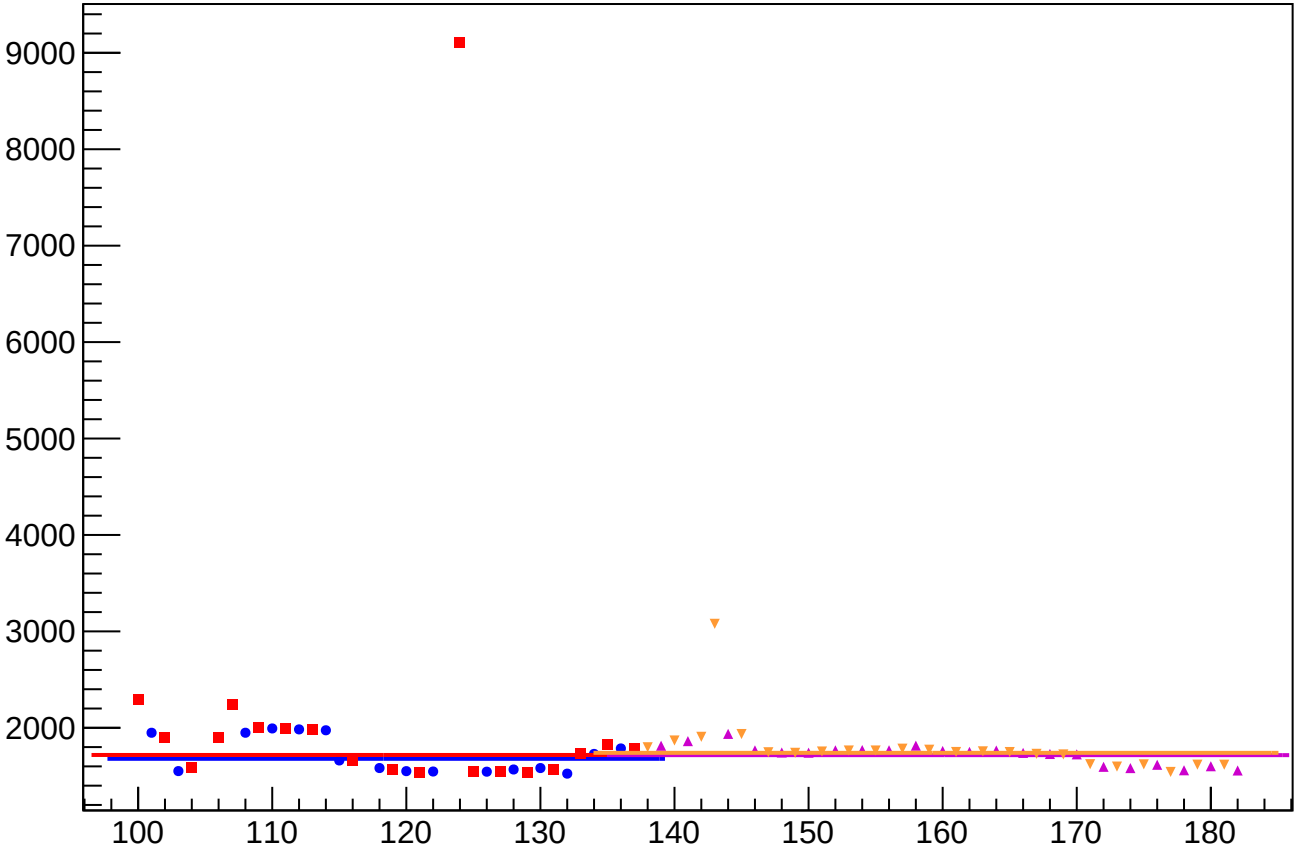
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2235.312+/-340.233 χ^2/NDF:36.6/37

Out: 1039.985+/-344.909 χ^2/NDF:50.2/41

All: 1645.806+/-242.217 χ^2/NDF: 92.9/79

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1740.409+/-0.289 χ^2/NDF:419400.7/22

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1716.549+/-0.286 χ^2/NDF:122258.1/21

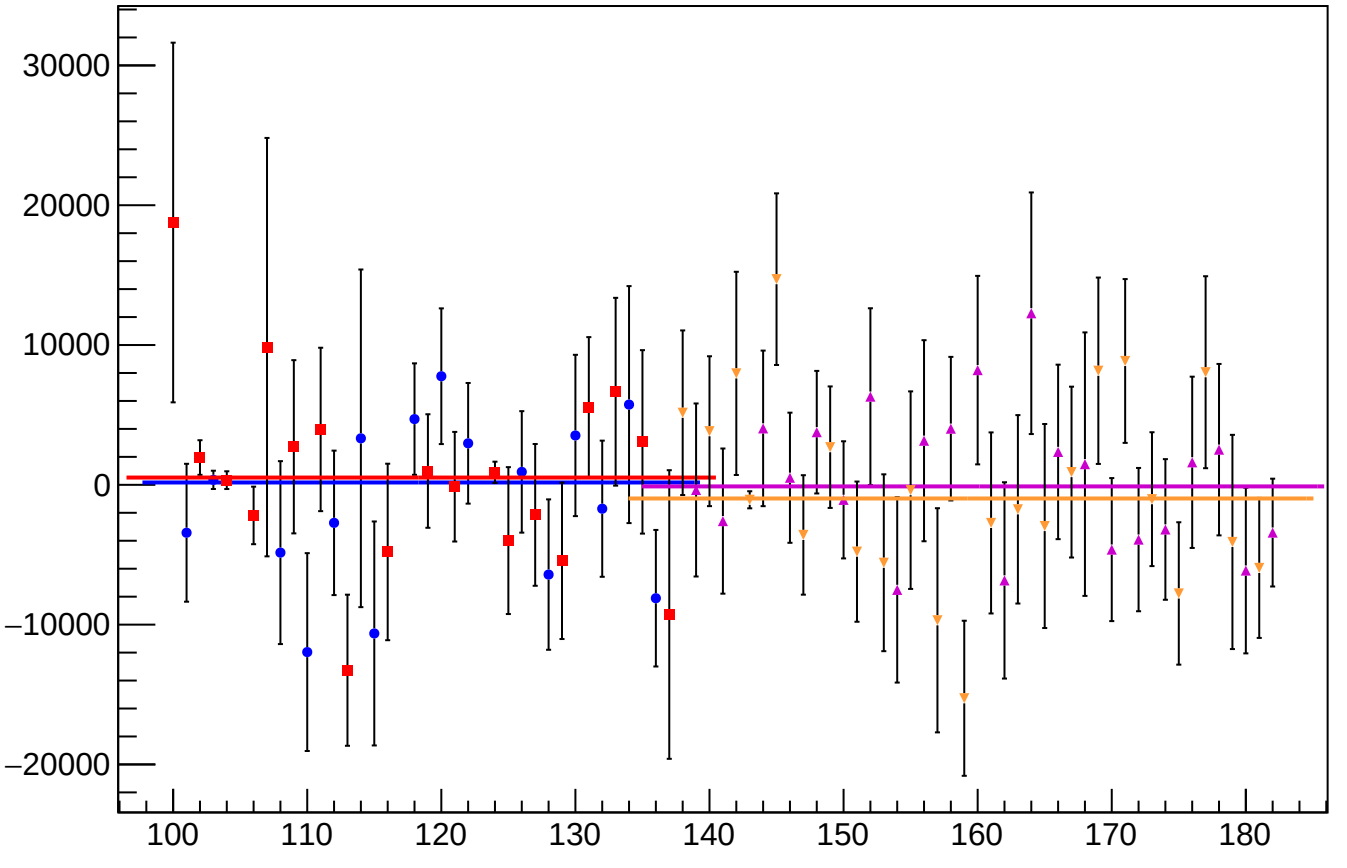
Left: 1728.360+/-0.203 χ^2/NDF: 545098.0/44

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1705.389+/-0.241 χ^2/NDF:268917.1/37

Out: 1733.992+/-0.244 χ^2/NDF:804276.3/41

All: 1719.515+/-0.171 χ^2/NDF: 1080174.3/79



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -976.257+/-547.410 χ^2/NDF:29.6/22

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: -112.676+/-1184.134 χ^2/NDF:13.2/21

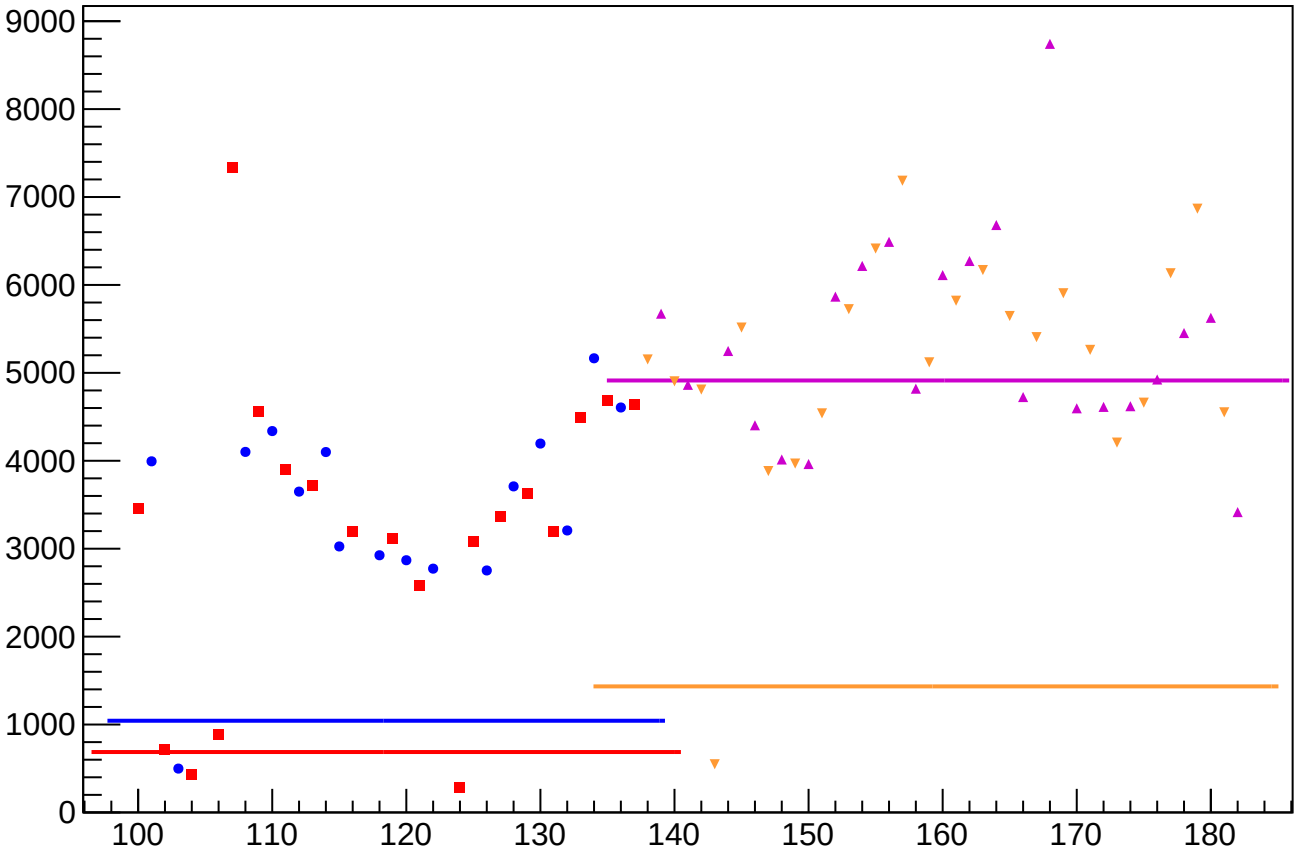
Left: -824.198+/-496.884 χ^2/NDF: 43.2/44

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 112.161+/-529.231 χ^2/NDF:29.1/37

Out: -41.680+/-335.594 χ^2/NDF:52.8/41

All: 2.439+/-283.416 χ^2/NDF: 81.9/79



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1433.835+/-0.387 χ^2/NDF:22457449.7/22

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 4913.342+/-0.837 χ^2/NDF:1389304.0/21

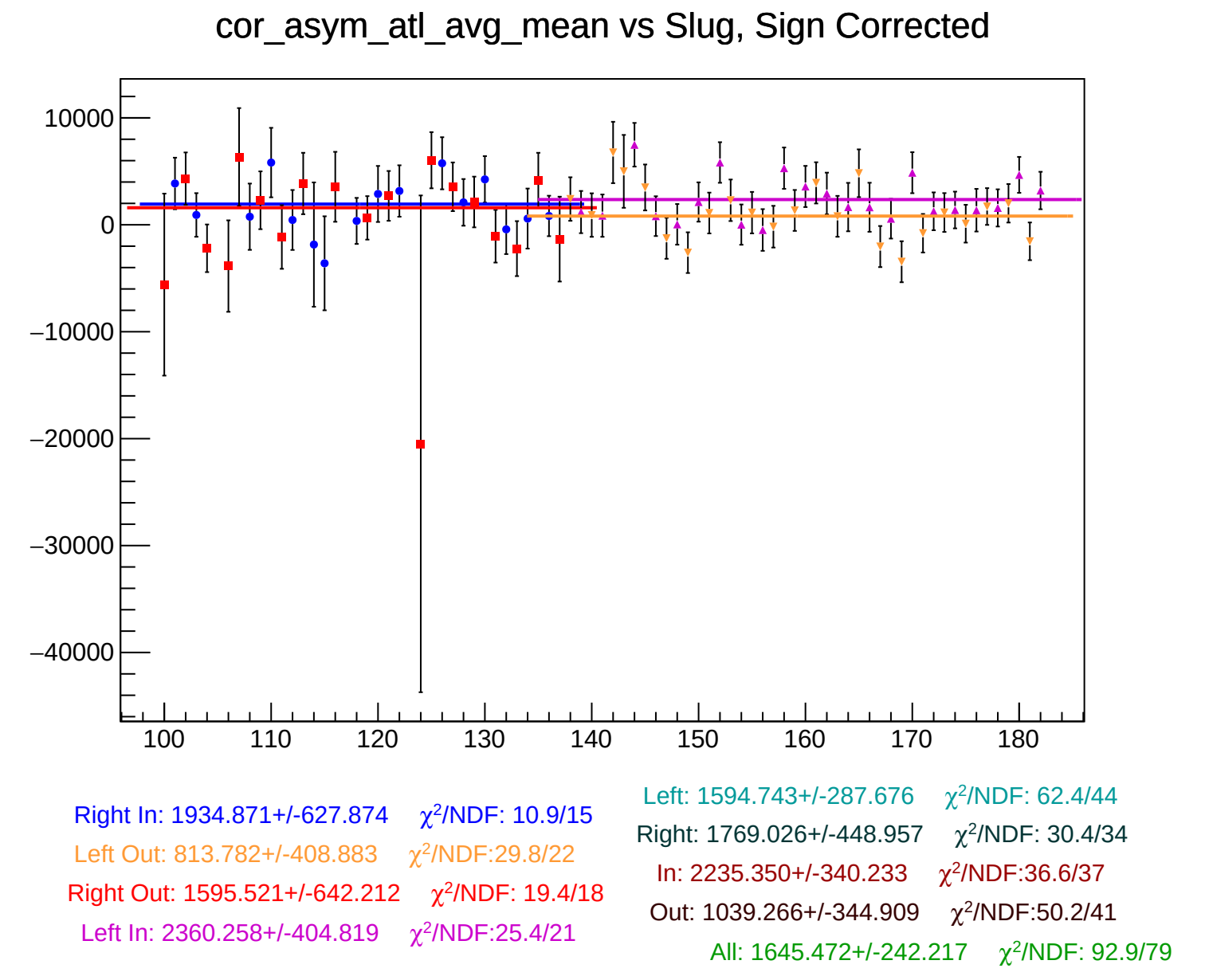
Left: 2046.504+/-0.351 χ^2/NDF: 38074912.2/44

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

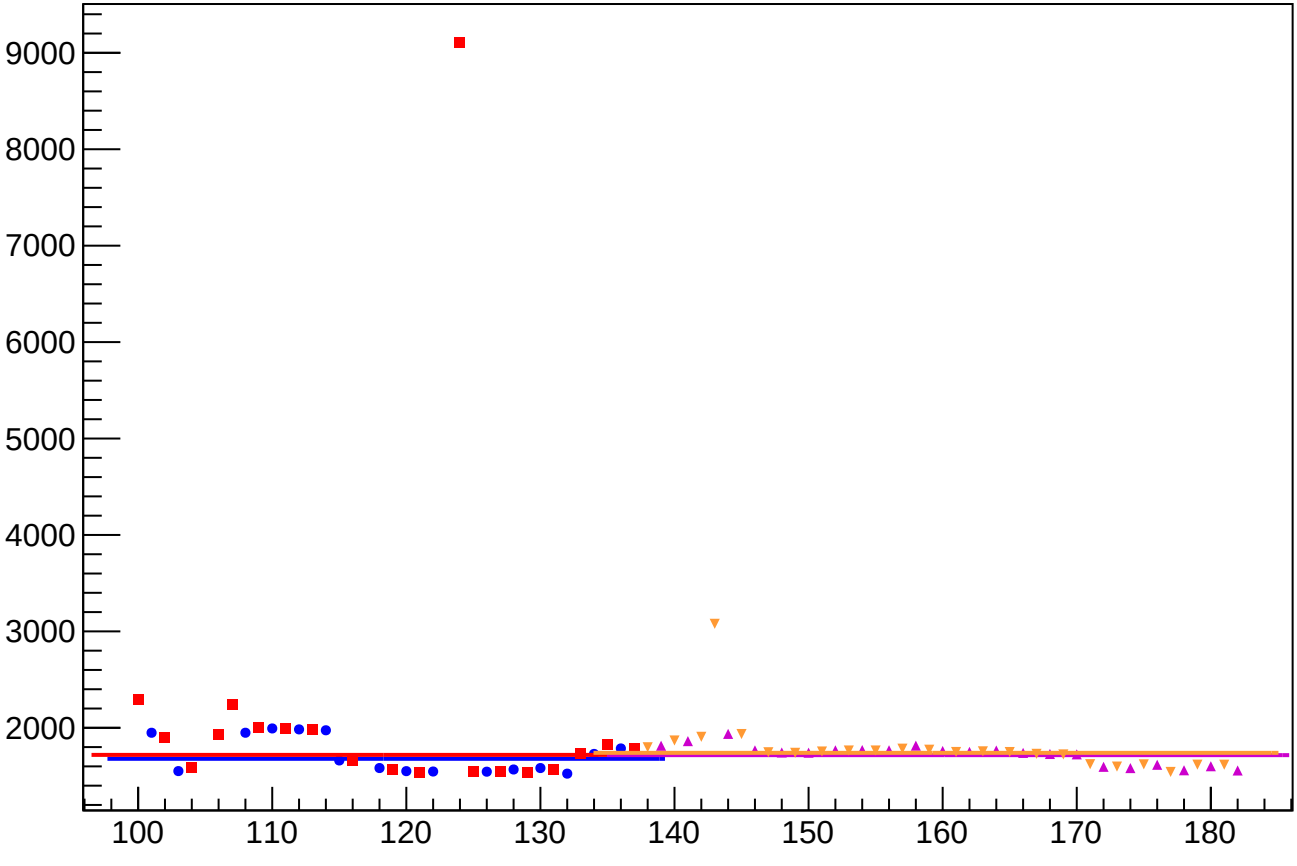
In: 1816.199+/-0.374 χ^2/NDF:26598419.1/37

Out: 967.897+/-0.237 χ^2/NDF:33410470.4/41

All: 1211.178+/-0.200 χ^2/NDF: 63673769.3/7


cor_asym_atl_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: 1934.871+/-627.874 χ²/NDF: 10.9/15
Left Out: 813.782+/-408.883 χ²/NDF:29.8/22
Right Out: 1595.521+/-642.212 χ²/NDF: 19.4/18
Left In: 2360.258+/-404.819 χ²/NDF:25.4/21
Left: 1594.743+/-287.676 χ²/NDF: 62.4/44
Right: 1769.026+/-448.957 χ²/NDF: 30.4/34
In: 2235.350+/-340.233 χ²/NDF:36.6/37
Out: 1039.266+/-344.909 χ²/NDF:50.2/41
All: 1645.472+/-242.217 χ²/NDF: 92.9/79

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1740.409+/-0.289 χ^2/NDF:419400.7/22

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1716.549+/-0.286 χ^2/NDF:122258.1/21

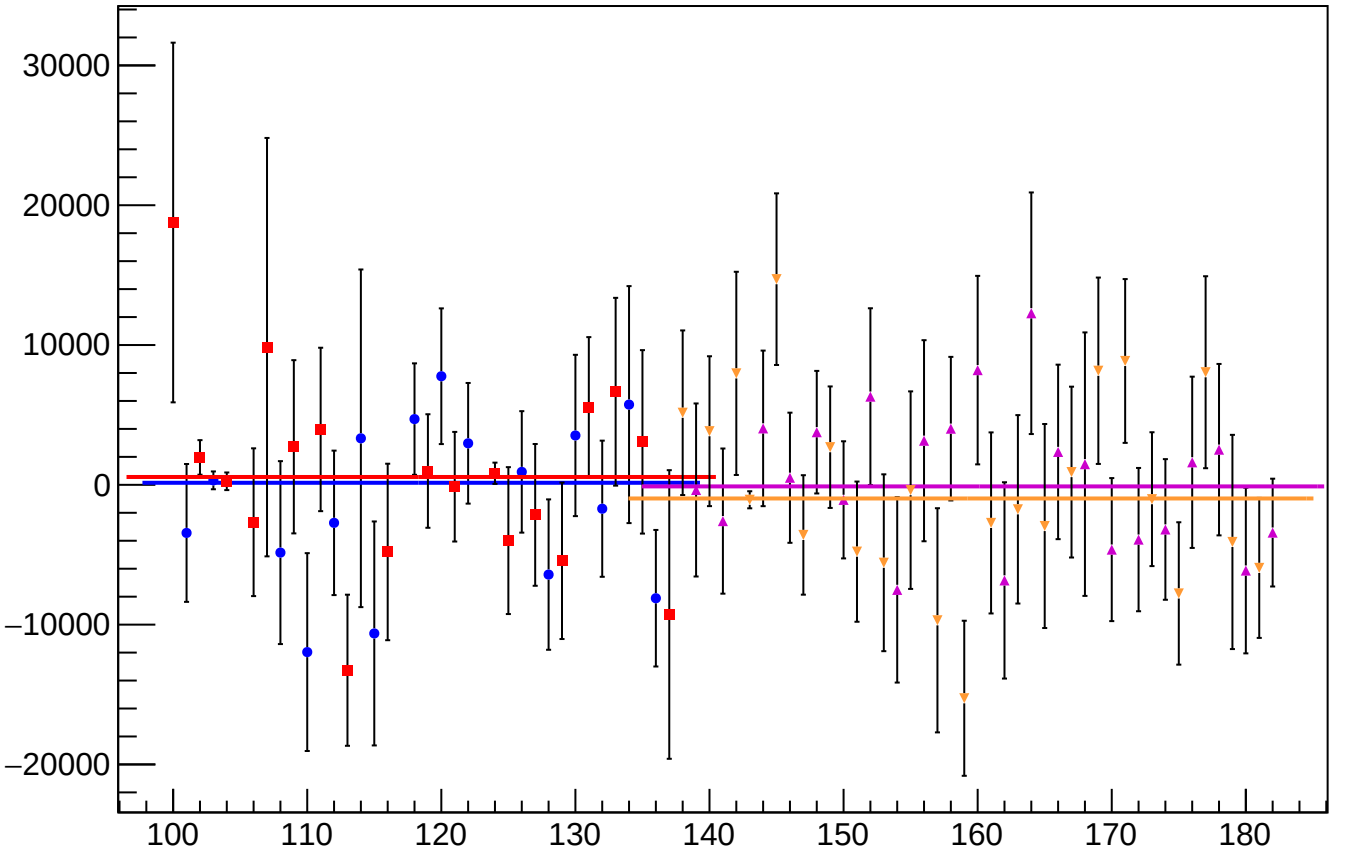
Left: 1728.360+/-0.203 χ^2/NDF: 545098.0/44

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1705.389+/-0.241 χ^2/NDF:268917.2/37

Out: 1734.239+/-0.244 χ^2/NDF:805892.5/41

All: 1719.635+/-0.171 χ^2/NDF: 1081910.5/79



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -975.927+/-547.391 χ^2/NDF:29.6/22

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -112.589+/-1184.133 χ^2/NDF:13.2/21

Left: -823.919+/-496.870 χ^2/NDF: 43.2/44

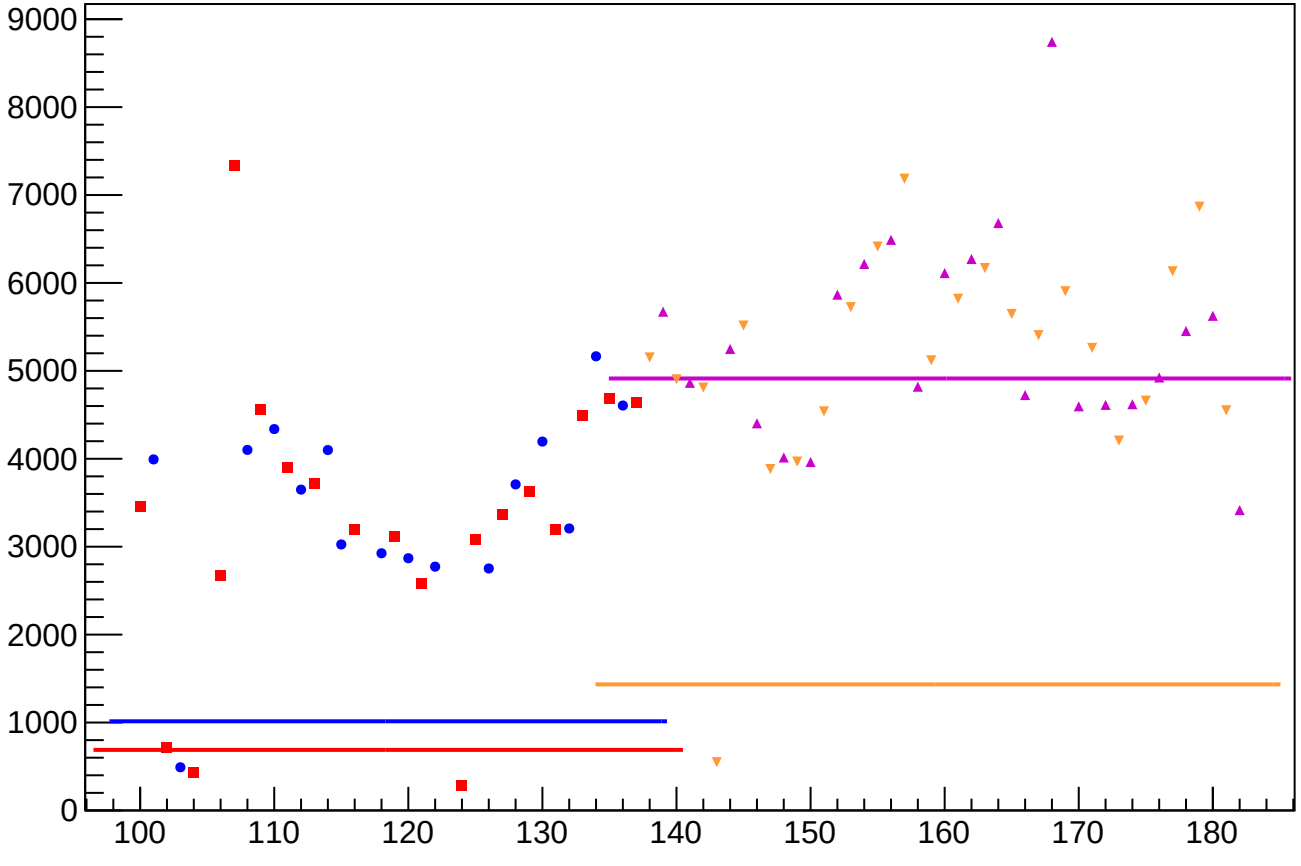
Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 96.497+/-520.407 χ^2/NDF:29.0/37

Out: -26.260+/-338.447 χ^2/NDF:51.7/41

All: 10.228+/-283.723 χ^2/NDF: 80.7/79

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1433.759+/-0.387 χ^2/NDF:22458021.4/22

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4913.336+/-0.837 χ^2/NDF:1389325.5/21

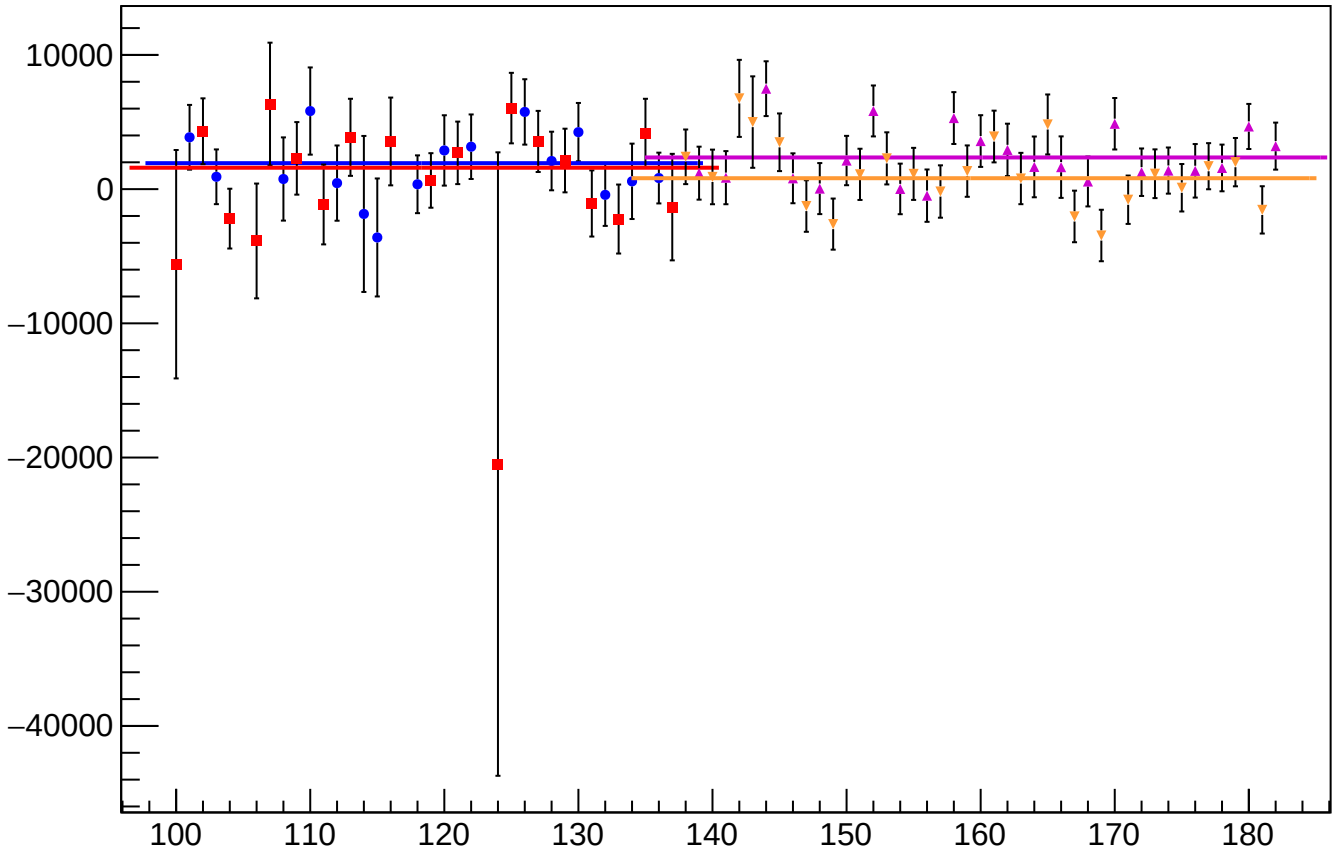
Left: 2046.407+/-0.351 χ^2/NDF: 38076273.1/44

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1767.216+/-0.368 χ^2/NDF:27110170.5/37

Out: 973.742+/-0.239 χ^2/NDF:33654990.3/41

All: 1209.592+/-0.201 χ^2/NDF: 64032679.9/7



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 813.782+/-408.883 χ^2/NDF:29.8/22

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2360.258+/-404.819 χ^2/NDF:25.4/21

Left: 1594.743+/-287.676 χ^2/NDF: 62.4/44

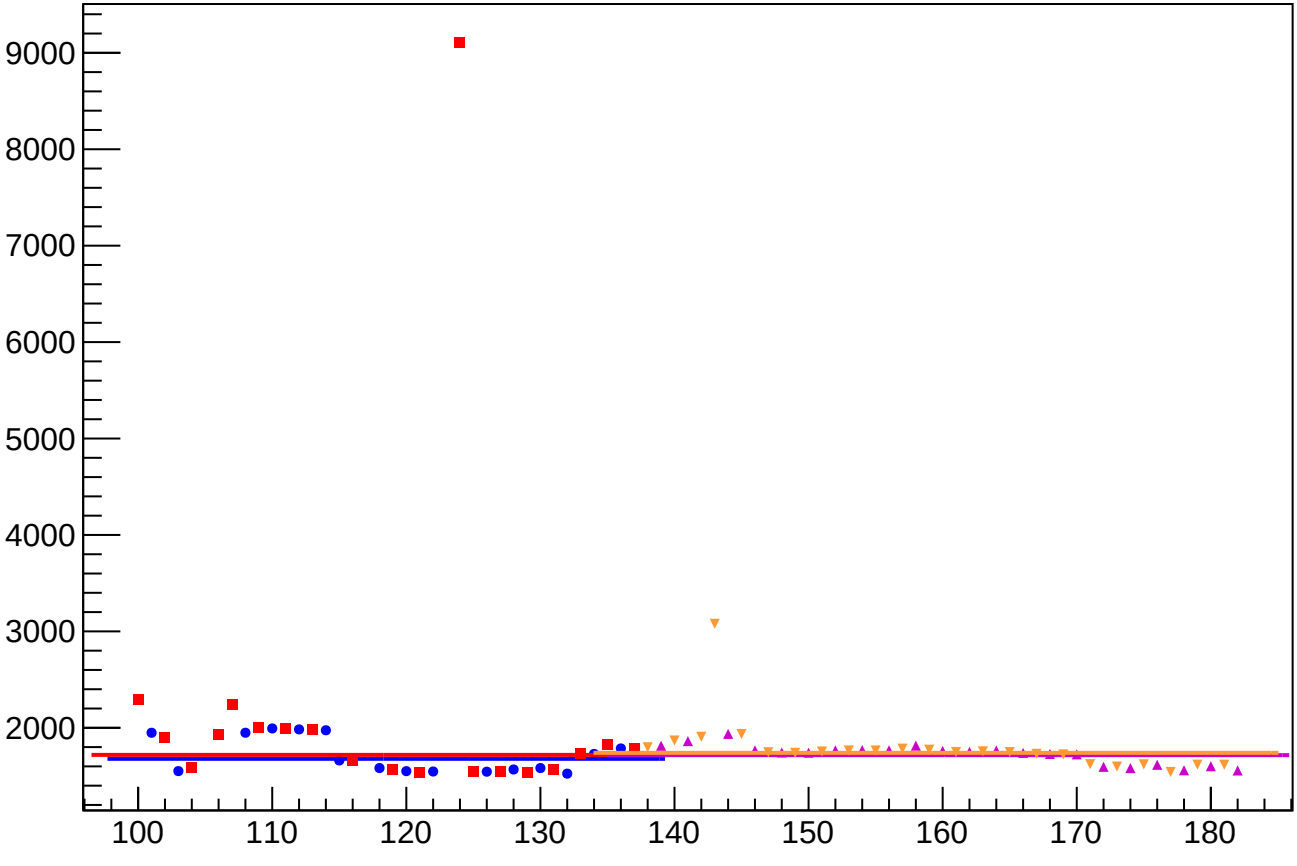
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2235.350+/-340.233 χ^2/NDF:36.6/37

Out: 1039.266+/-344.909 χ^2/NDF:50.2/41

All: 1645.472+/-242.217 χ^2/NDF: 92.9/79

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1740.409+/-0.289 χ^2/NDF:419400.7/22

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1716.549+/-0.286 χ^2/NDF:122258.1/21

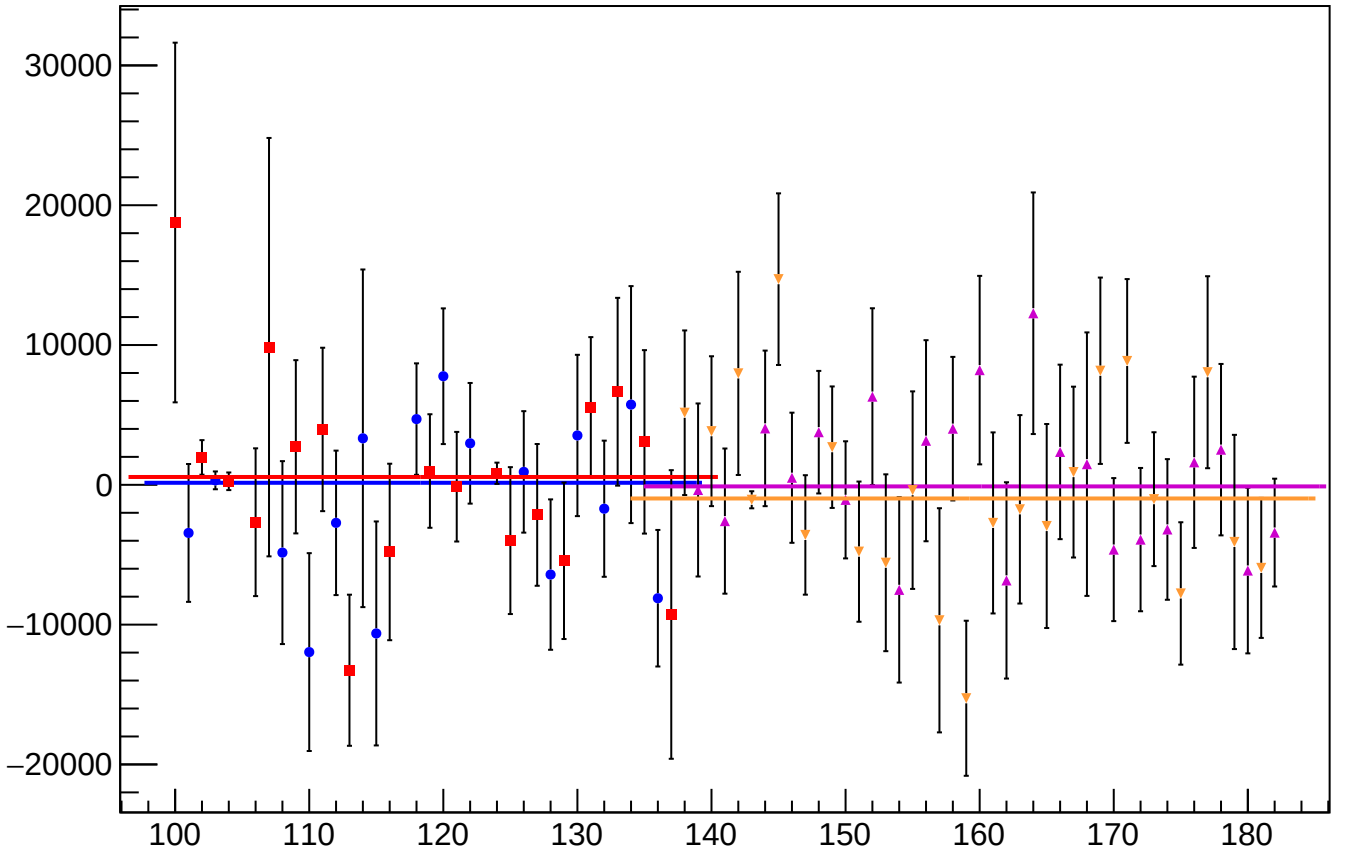
Left: 1728.360+/-0.203 χ^2/NDF: 545098.0/44

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1705.389+/-0.241 χ^2/NDF:268917.2/37

Out: 1734.239+/-0.244 χ^2/NDF:805892.5/41

All: 1719.635+/-0.171 χ^2/NDF: 1081910.5/79



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -975.927+/-547.391 χ^2/NDF:29.6/22

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -112.589+/-1184.133 χ^2/NDF:13.2/21

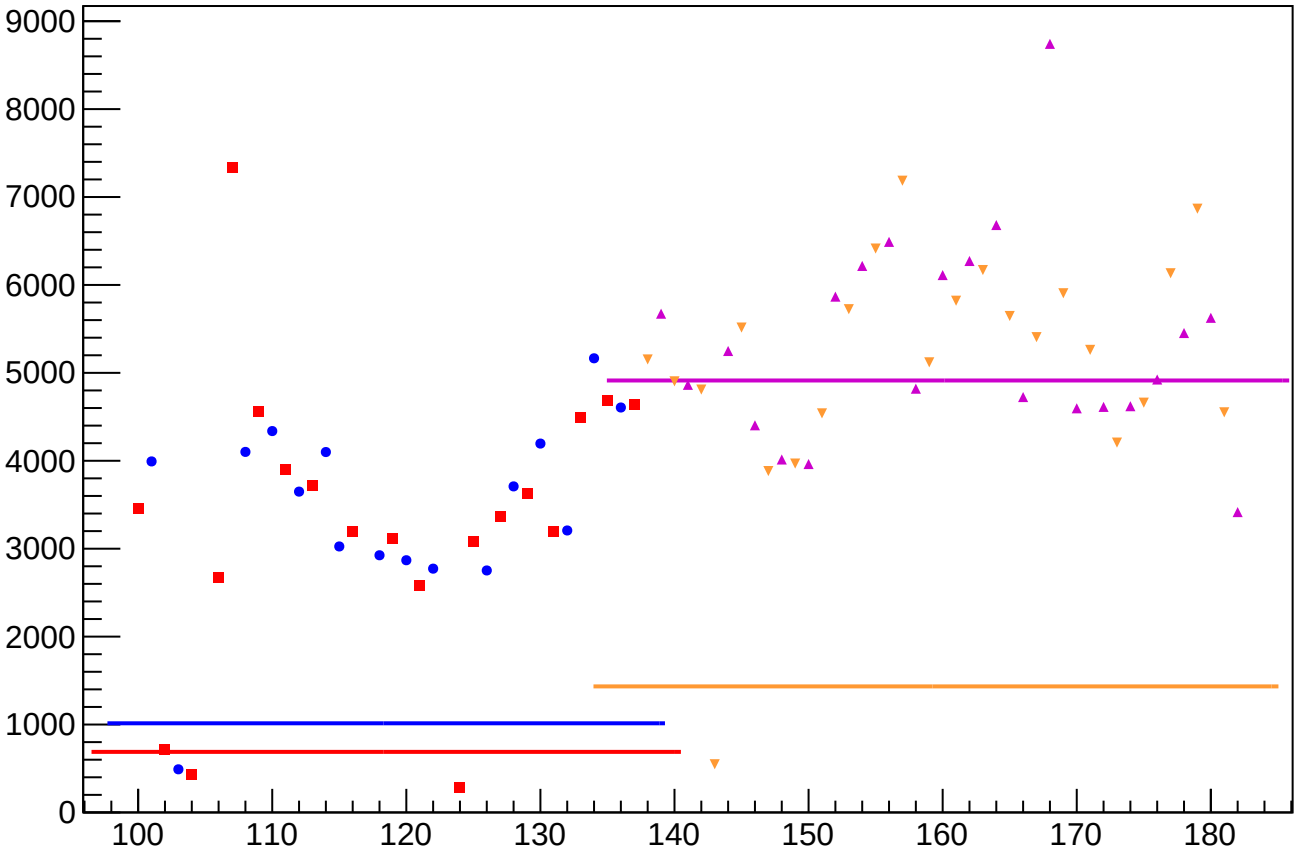
Left: -823.919+/-496.870 χ^2/NDF: 43.2/44

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 96.497+/-520.407 χ^2/NDF:29.0/37

Out: -26.260+/-338.447 χ^2/NDF:51.7/41

All: 10.228+/-283.723 χ^2/NDF: 80.7/79



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1433.759+/-0.387 χ^2/NDF:22458021.4/22

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4913.336+/-0.837 χ^2/NDF:1389325.5/21

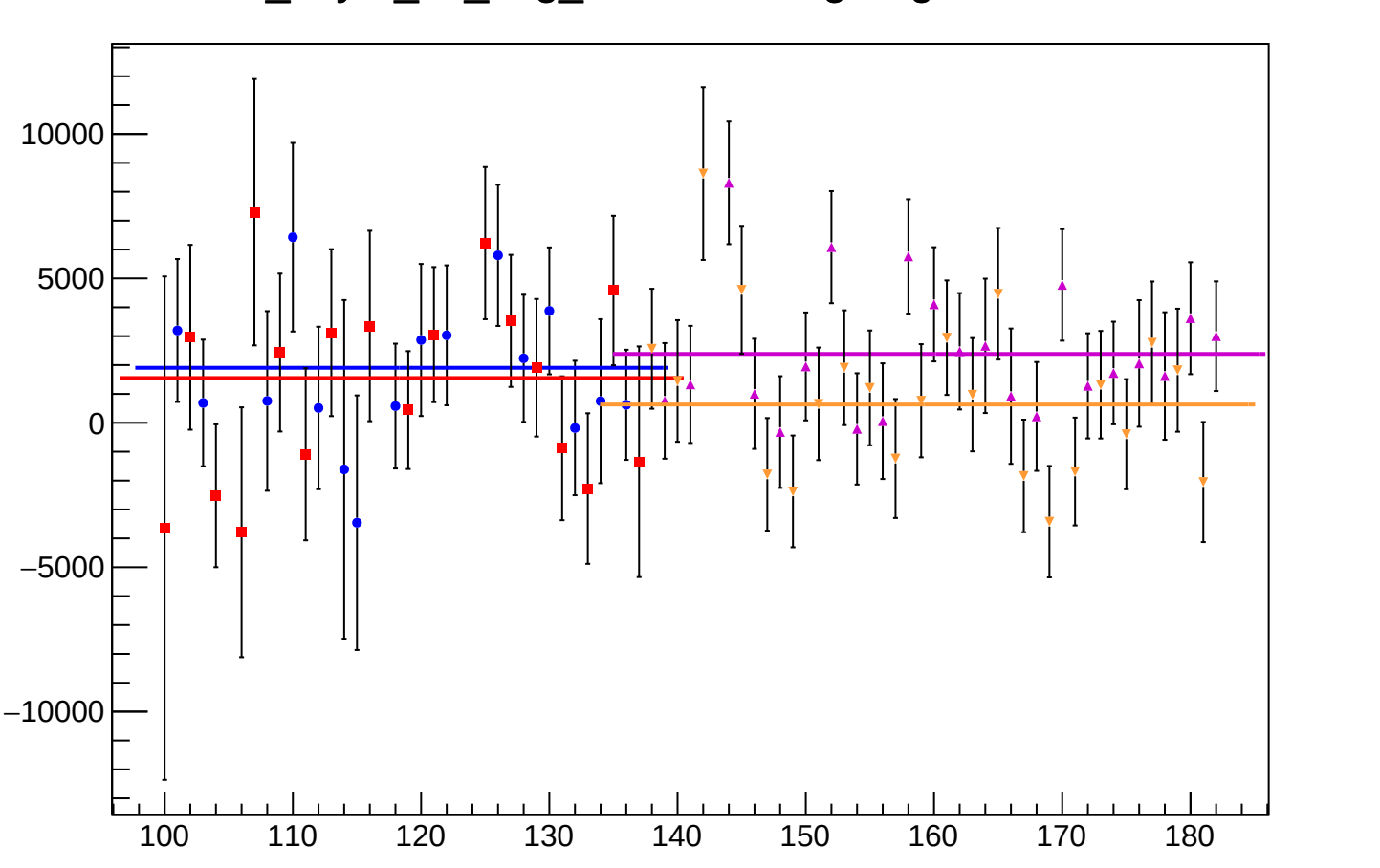
Left: 2046.407+/-0.351 χ^2/NDF: 38076273.1/44

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1767.216+/-0.368 χ^2/NDF:27110170.5/37

Out: 973.742+/-0.239 χ^2/NDF:33654990.3/41

All: 1209.592+/-0.201 χ^2/NDF: 64032679.9/7



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 633.567+/-433.001 χ^2/NDF:31.9/21

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2384.962+/-423.390 χ^2/NDF:26.1/21

Left: 1528.918+/-302.723 χ^2/NDF: 66.4/43

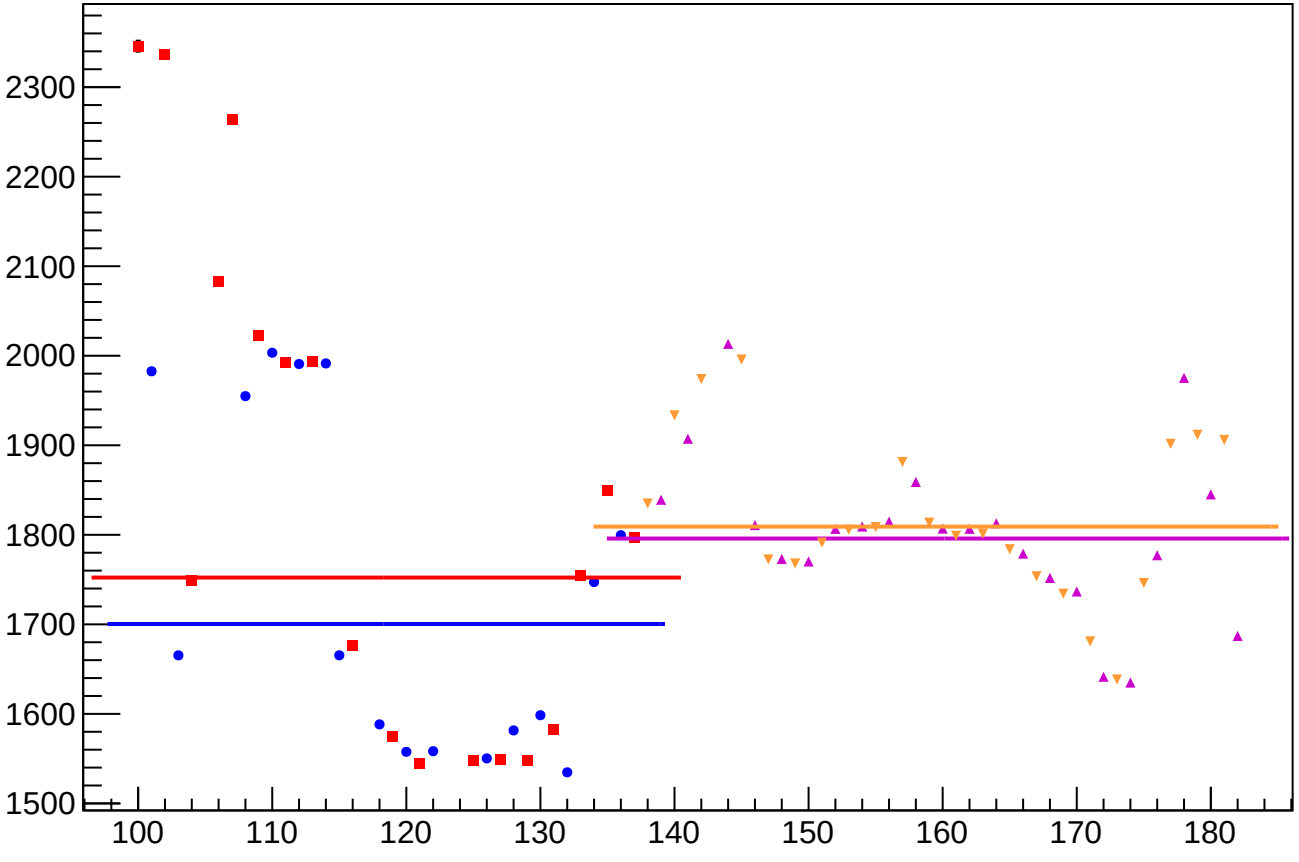
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2238.084+/-352.511 χ^2/NDF:36.8/37

Out: 909.006+/-362.215 χ^2/NDF:50.7/39

All: 1591.586+/-252.624 χ^2/NDF: 94.3/77

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1809.171+/-0.306 χ^2/NDF:77965.4/21

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1795.830+/-0.299 χ^2/NDF:86438.2/21

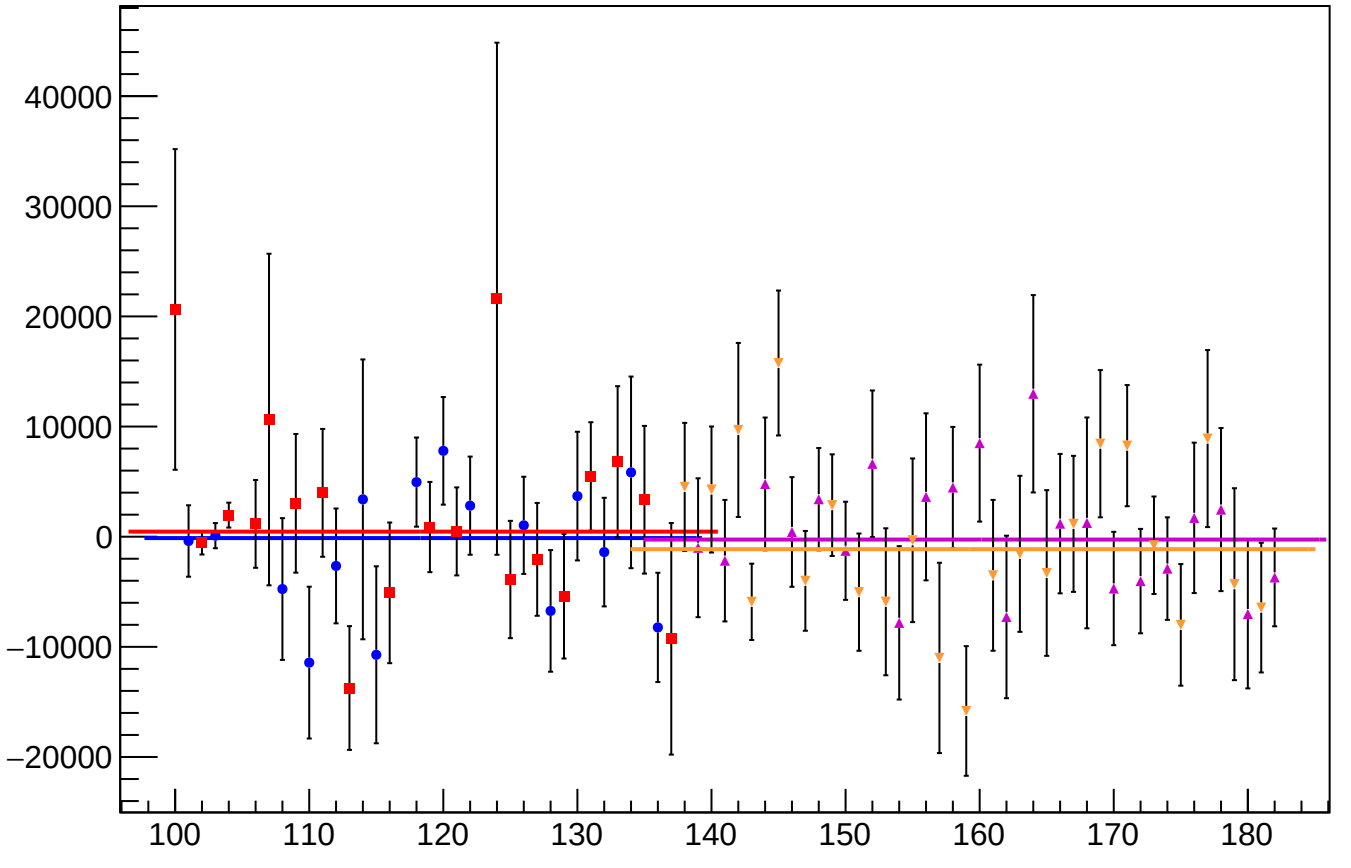
Left: 1802.351+/-0.214 χ^2/NDF: 165374.1/43

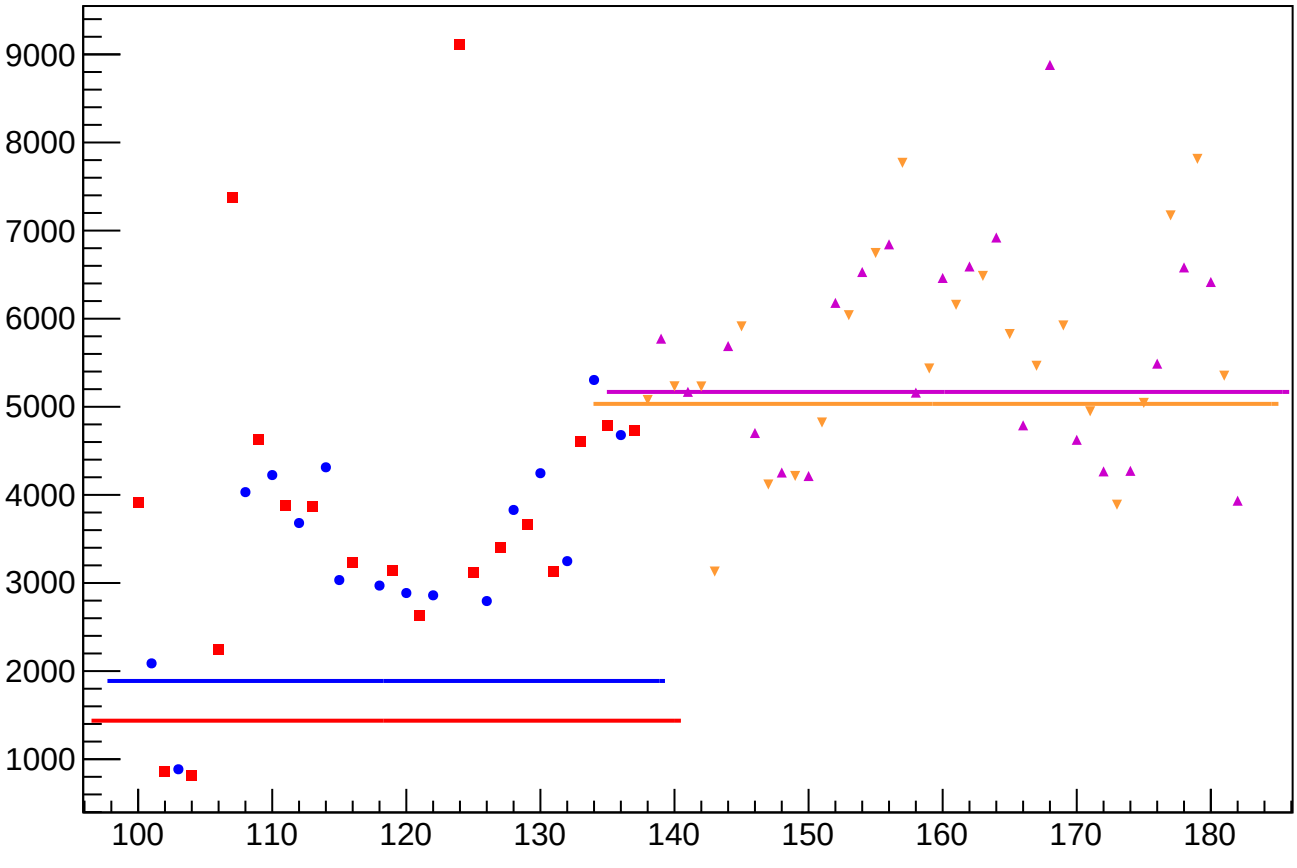
Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1766.540+/-0.249 χ^2/NDF:253057.4/37

Out: 1792.023+/-0.256 χ^2/NDF:336331.9/39

All: 1778.944+/-0.179 χ^2/NDF: 594476.8/77


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -125.468+/-867.645 χ²/NDF: 15.1/15
Left Out: -1131.830+/-1214.136 χ²/NDF:31.4/22
Right Out: 459.431+/-679.157 χ²/NDF: 18.5/18
Left In: -259.682+/-1246.560 χ²/NDF:13.0/21
Left: -707.246+/-869.761 χ²/NDF: 44.6/44
Right: 237.213+/-534.800 χ²/NDF: 33.9/34
In: -169.269+/-712.128 χ²/NDF:28.1/37
Out: 80.190+/-592.726 χ²/NDF:51.2/41
All: -21.902+/-455.569 χ²/NDF: 79.3/79



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 5033.092+/-0.859 χ^2/NDF:1843628.9/22

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5168.601+/-0.881 χ^2/NDF:1434298.8/21

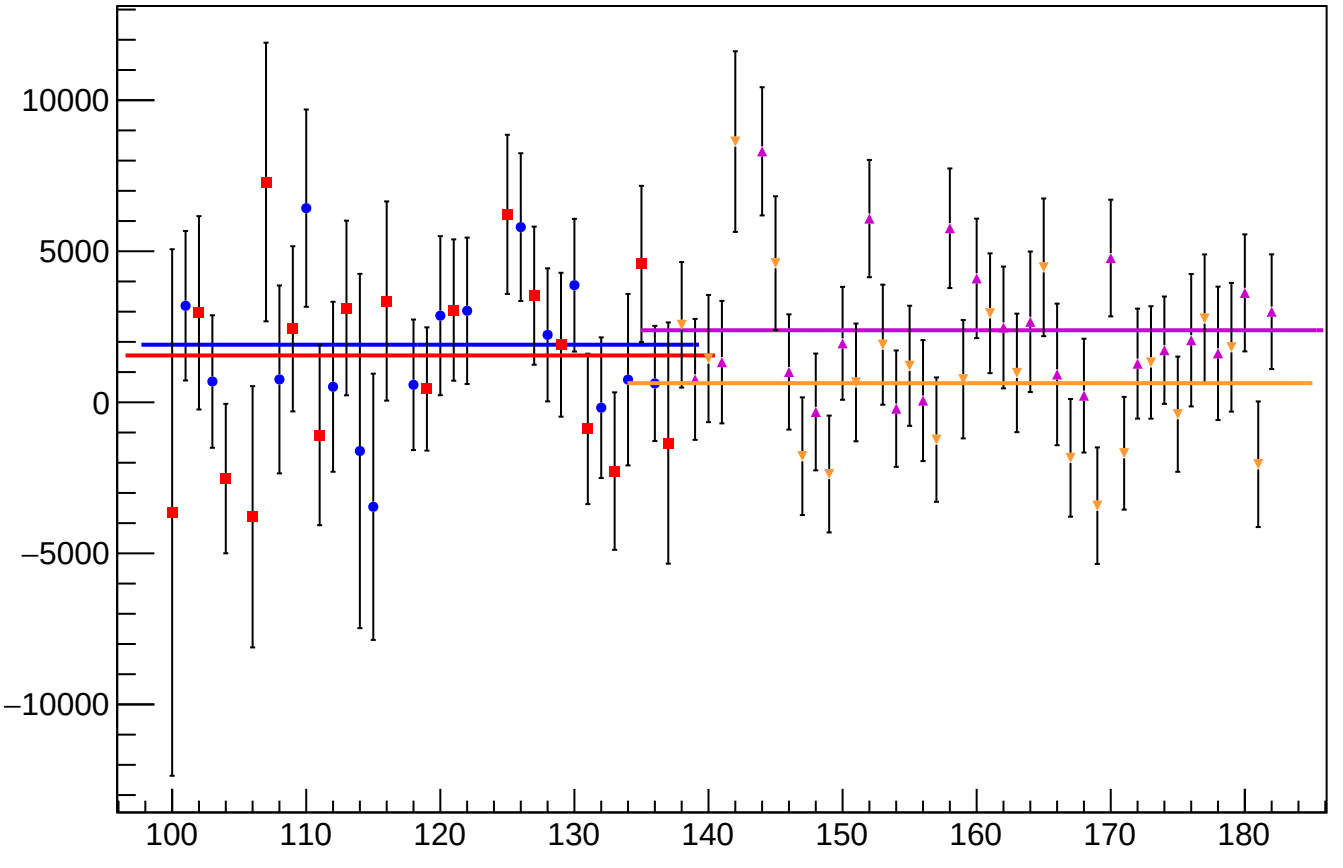
Left: 5099.061+/-0.615 χ^2/NDF: 3290056.2/44

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2958.637+/-0.504 χ^2/NDF:15191293.6/37

Out: 2294.129+/-0.419 χ^2/NDF:21170669.2/41

All: 2566.082+/-0.322 χ^2/NDF: 37390727.1/7



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 633.563+/-433.001 χ^2/NDF:31.9/21

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2384.962+/-423.390 χ^2/NDF:26.1/21

Left: 1528.916+/-302.723 χ^2/NDF: 66.4/43

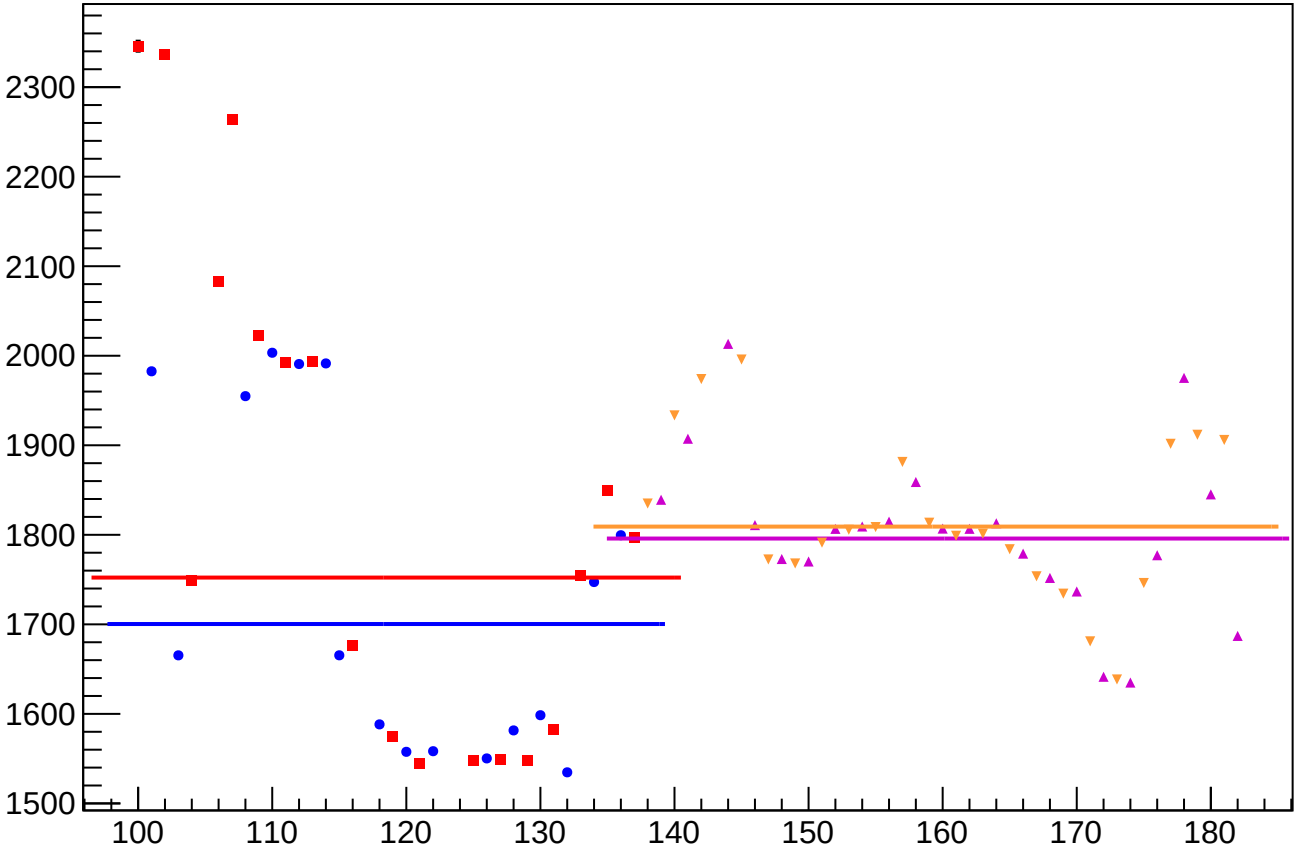
Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2238.084+/-352.512 χ^2/NDF:36.8/37

Out: 909.003+/-362.215 χ^2/NDF:50.7/39

All: 1591.584+/-252.624 χ^2/NDF: 94.3/77

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1809.172+/-0.306 χ^2/NDF:77969.1/21

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1795.832+/-0.299 χ^2/NDF:86441.7/21

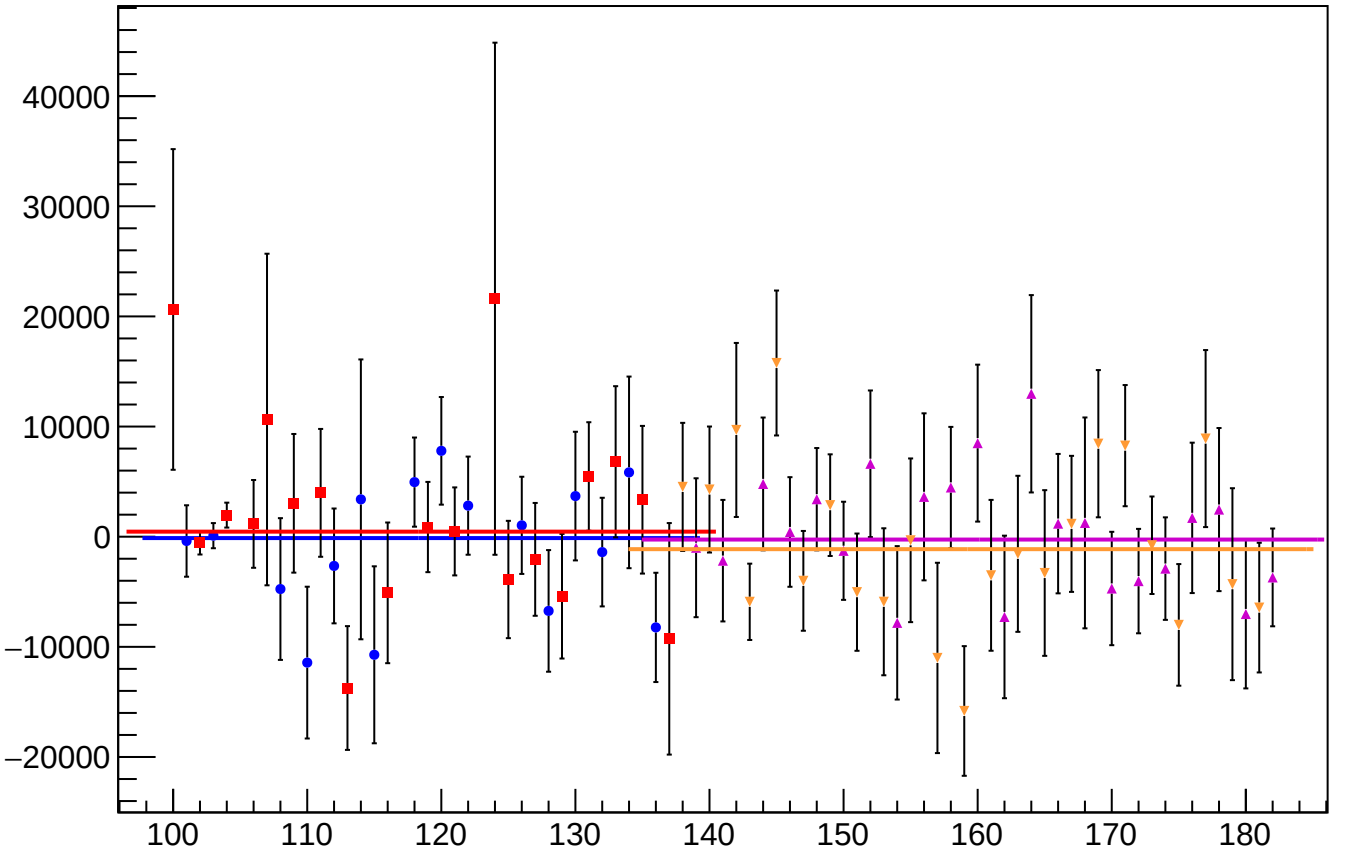
Left: 1802.352+/-0.214 χ^2/NDF: 165381.3/43

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1766.541+/-0.249 χ^2/NDF:253062.0/37

Out: 1792.024+/-0.256 χ^2/NDF:336335.7/39

All: 1778.945+/-0.179 χ^2/NDF: 594485.3/77



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1131.835+/-1214.138 χ^2/NDF:31.4/22

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: -259.683+/-1246.562 χ^2/NDF:13.0/21

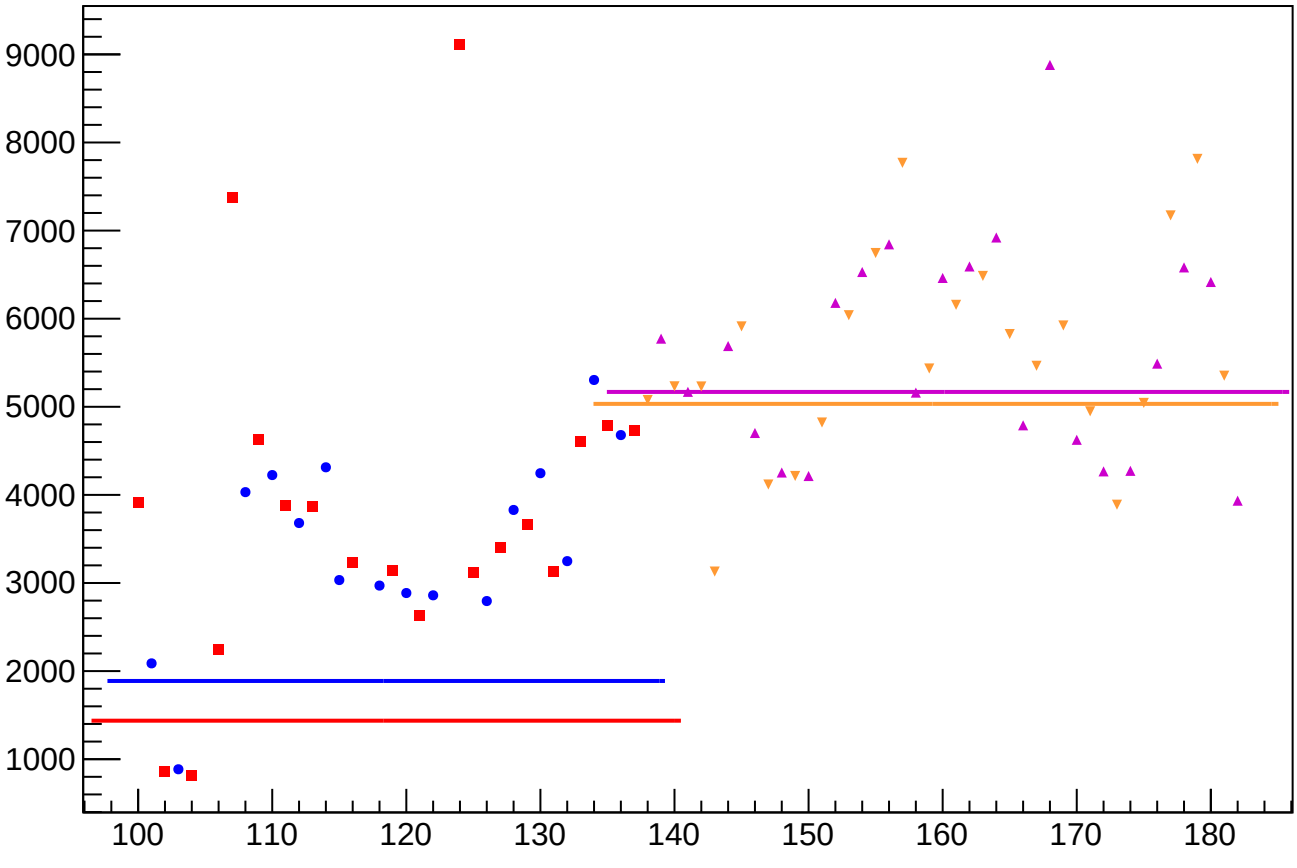
Left: -707.249+/-869.762 χ^2/NDF: 44.6/44

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: -169.266+/-712.125 χ^2/NDF:28.1/37

Out: 80.193+/-592.723 χ^2/NDF:51.2/41

All: -21.899+/-455.567 χ^2/NDF: 79.3/79



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 5033.099+/-0.859 χ^2/NDF:1843635.4/22

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5168.609+/-0.881 χ^2/NDF:1434301.0/21

Left: 5099.069+/-0.615 χ^2/NDF: 3290065.1/44

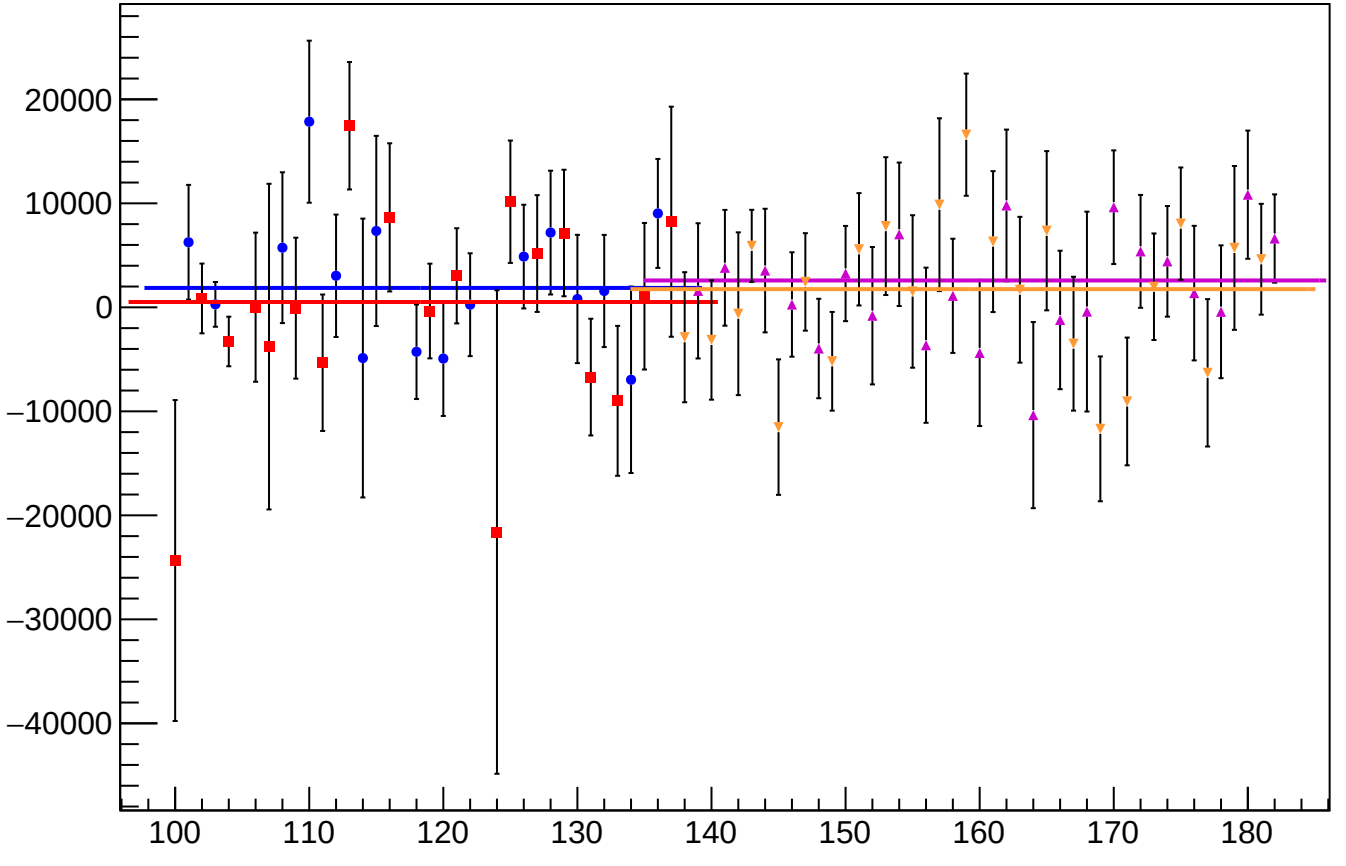
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2958.617+/-0.504 χ^2/NDF:15191492.9/37

Out: 2294.109+/-0.419 χ^2/NDF:21170881.2/41

All: 2566.061+/-0.322 χ^2/NDF: 37391148.1/7

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1749.886+/-1228.783 χ^2/NDF:29.5/22

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 2583.919+/-1261.430 χ^2/NDF:13.1/21

Left: 2155.970+/-880.196 χ^2/NDF: 42.8/44

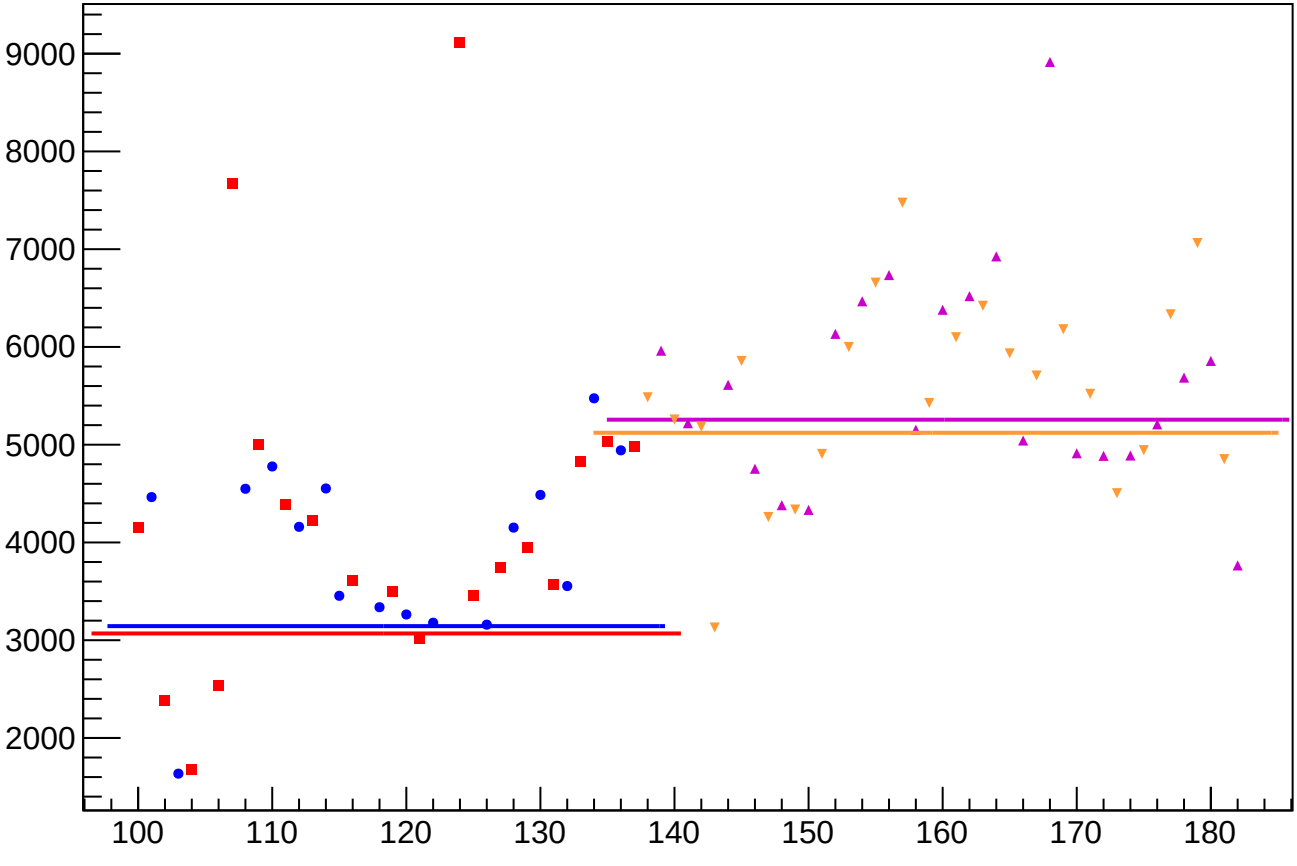
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 2224.631+/-891.172 χ^2/NDF:27.1/37

Out: 1137.584+/-873.347 χ^2/NDF:54.6/41

All: 1670.127+/-623.756 χ^2/NDF: 82.5/79

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5122.089+/-0.869 χ^2/NDF:1529604.4/22

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5255.728+/-0.892 χ^2/NDF:1150155.1/21

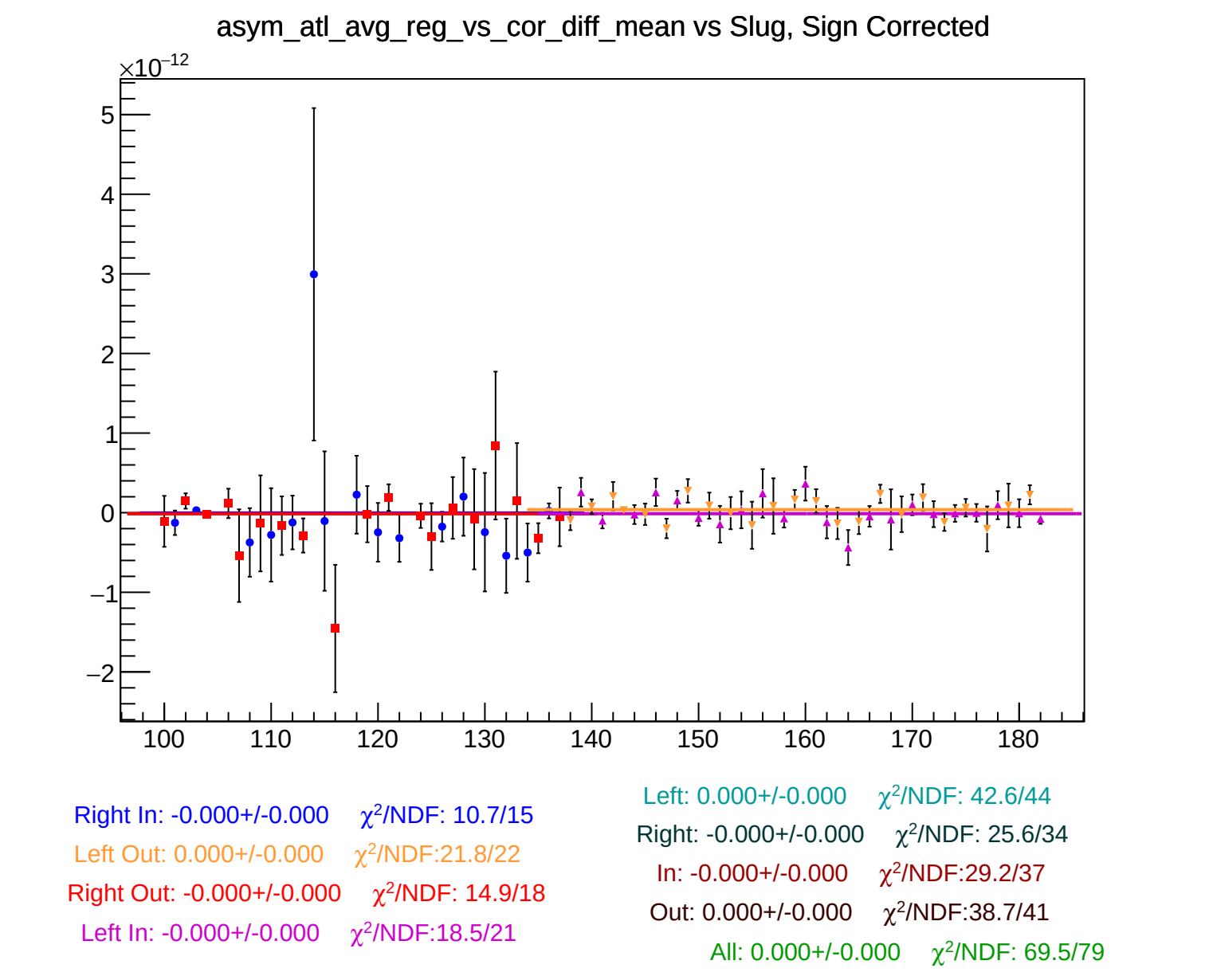
Left: 5187.157+/-0.622 χ^2/NDF: 2691277.7/44

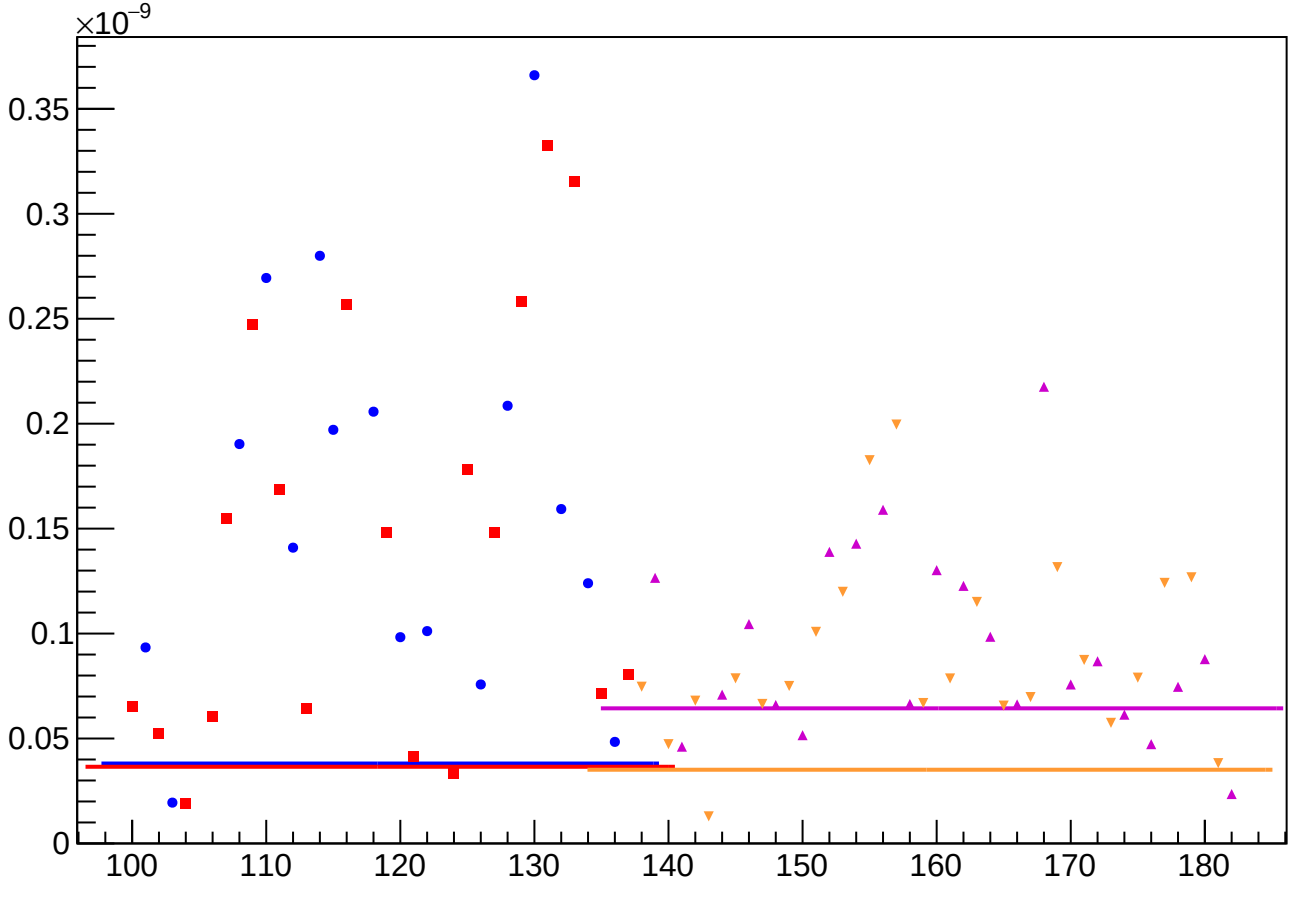
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 4198.052+/-0.630 χ^2/NDF:5840452.8/37

Out: 4090.053+/-0.613 χ^2/NDF:6217723.1/41

All: 4142.539+/-0.439 χ^2/NDF: 12073273.9/7


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
170
180
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:21.8/22
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: -0.000+/-0.000 χ²/NDF:18.5/21
Left: 0.000+/-0.000 χ²/NDF: 42.6/44
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: -0.000+/-0.000 χ²/NDF:29.2/37
Out: 0.000+/-0.000 χ²/NDF:38.7/41
All: 0.000+/-0.000 χ²/NDF: 69.5/79



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6501444.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2809333.2/21

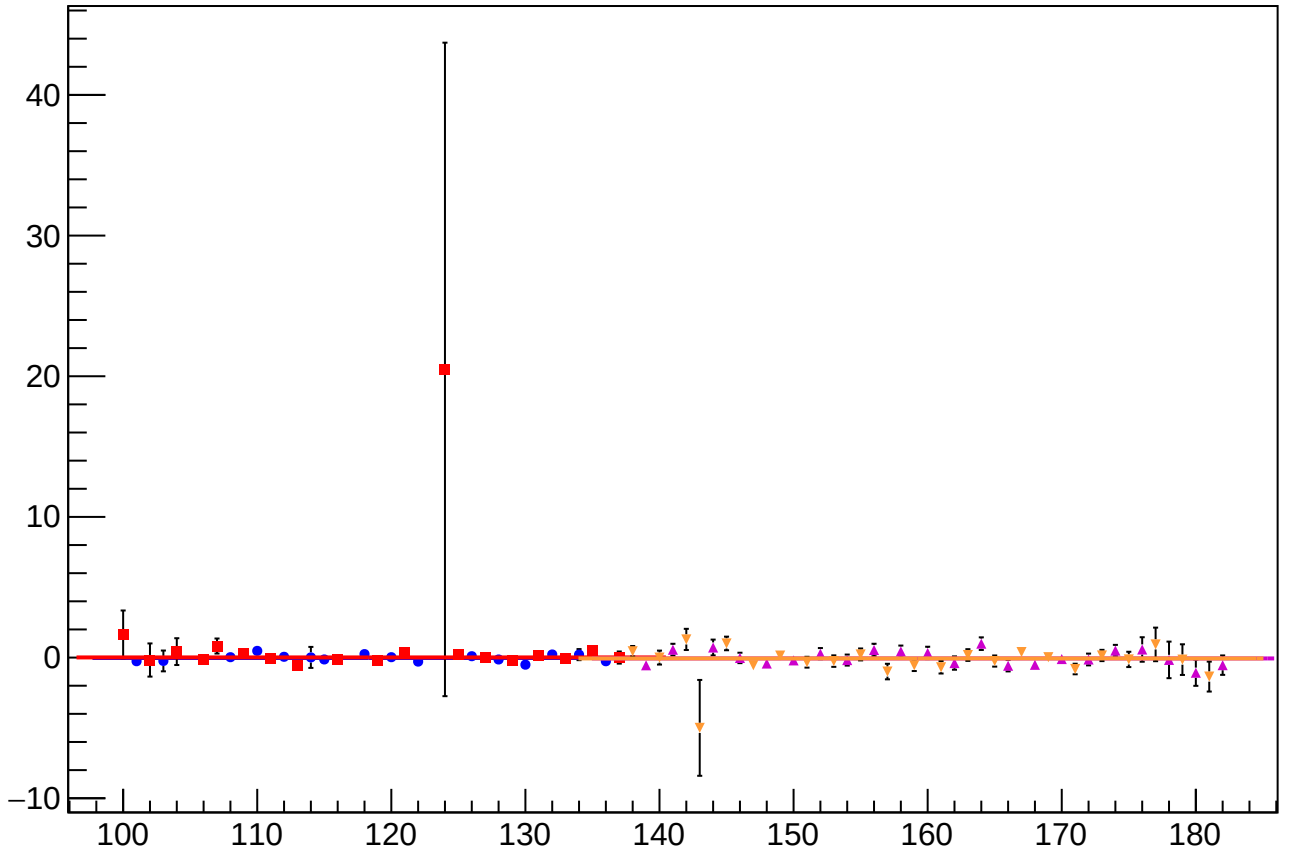
Left: 0.000+/-0.000 χ^2/NDF: 10806360.4/44

Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:6406496.0/37

Out: 0.000+/-0.000 χ^2/NDF:9187730.6/41

All: 0.000+/-0.000 χ^2/NDF: 16495075.4/79



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.060+/-0.086 χ^2/NDF:31.7/22

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.061+/-0.083 χ^2/NDF:28.0/21

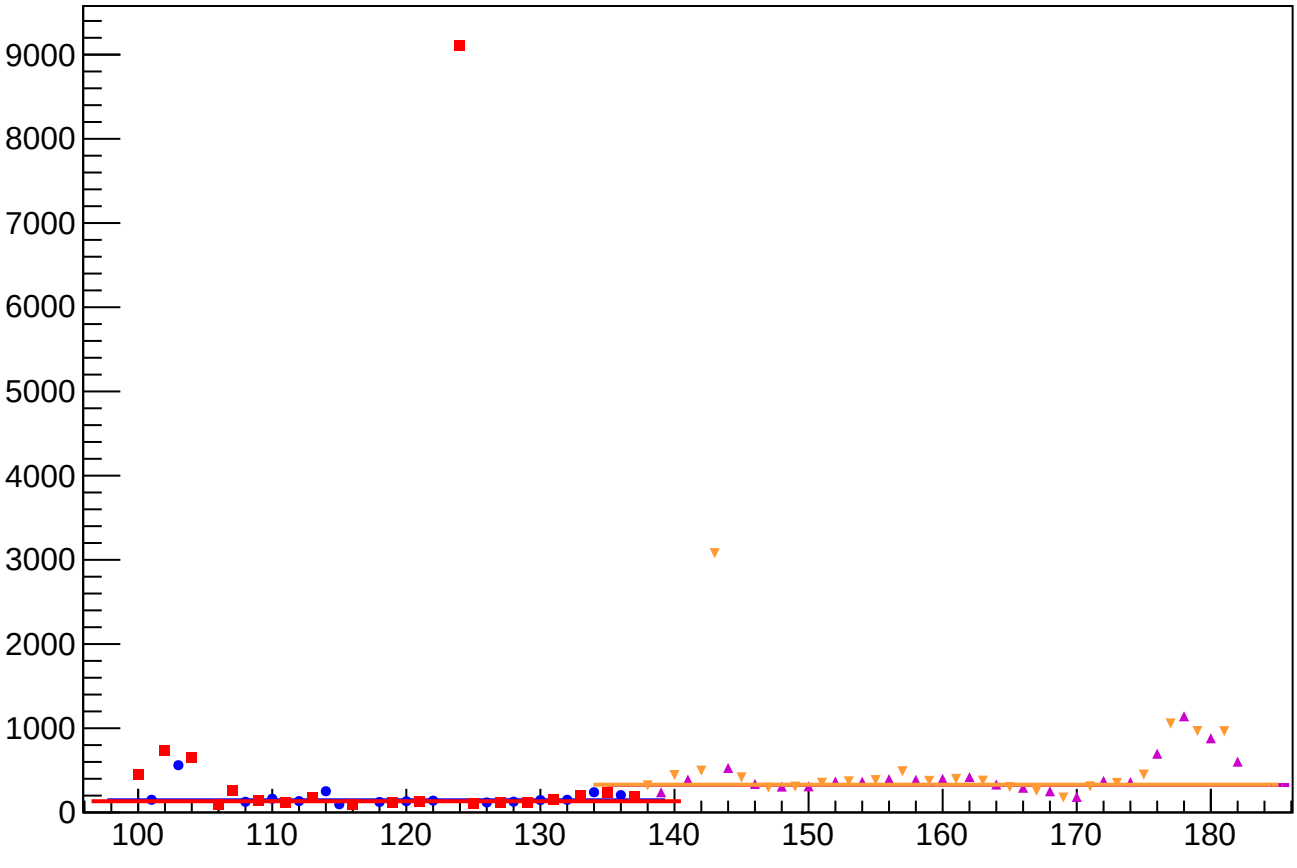
Left: -0.061+/-0.060 χ^2/NDF: 59.7/44

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.039+/-0.047 χ^2/NDF:45.3/37

Out: -0.011+/-0.047 χ^2/NDF:54.0/41

All: -0.025+/-0.033 χ^2/NDF: 99.5/79



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 329.648+/-0.061 χ^2/NDF:5478041.0/22

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 326.213+/-0.059 χ^2/NDF:4090774.6/21

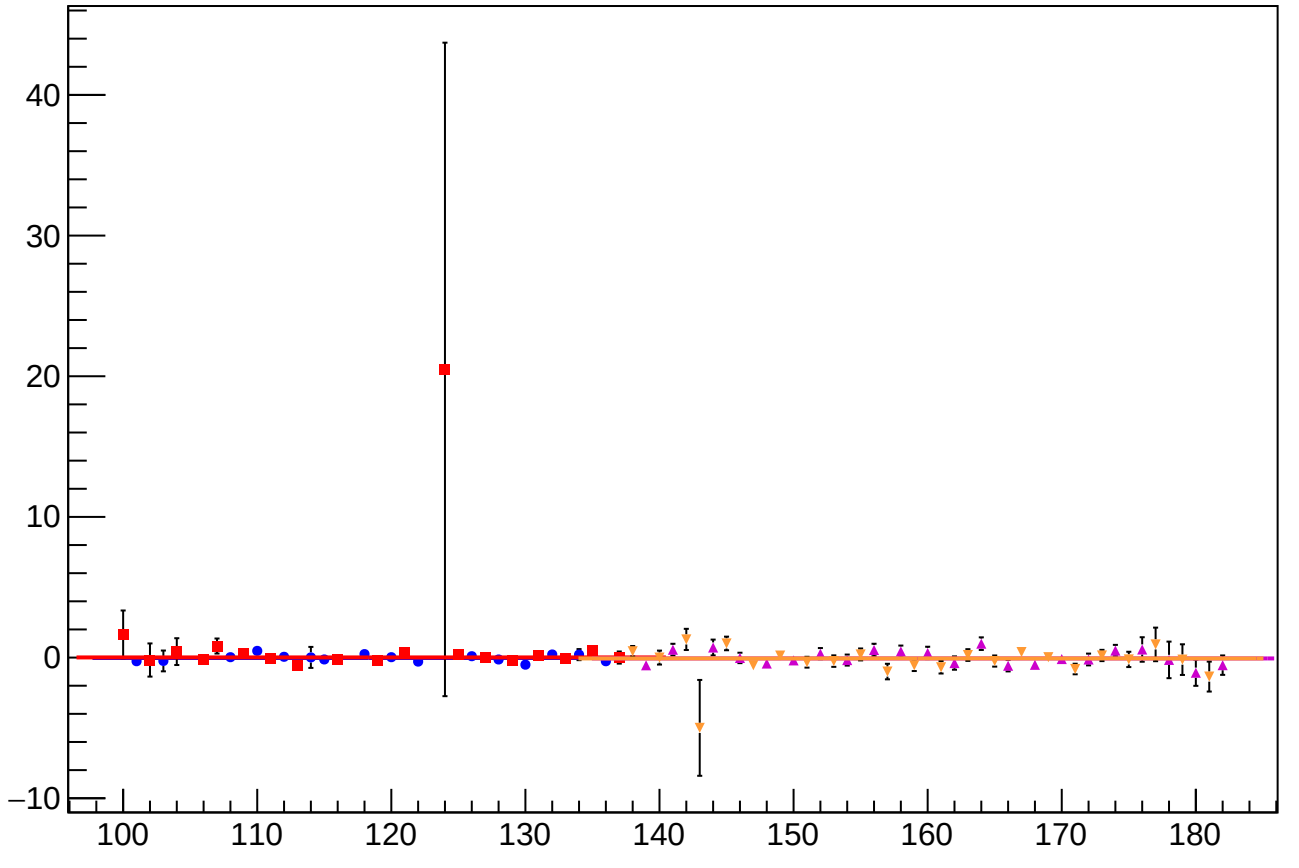
Left: 327.880+/-0.042 χ^2/NDF: 9570474.0/44

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 203.647+/-0.034 χ^2/NDF:11677907.6/37

Out: 192.895+/-0.033 χ^2/NDF:15034273.3/41

All: 198.236+/-0.024 χ^2/NDF: 26763828.5/79



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.060+/-0.086 χ^2/NDF:31.7/22

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.061+/-0.083 χ^2/NDF:28.0/21

Left: -0.061+/-0.060 χ^2/NDF: 59.7/44

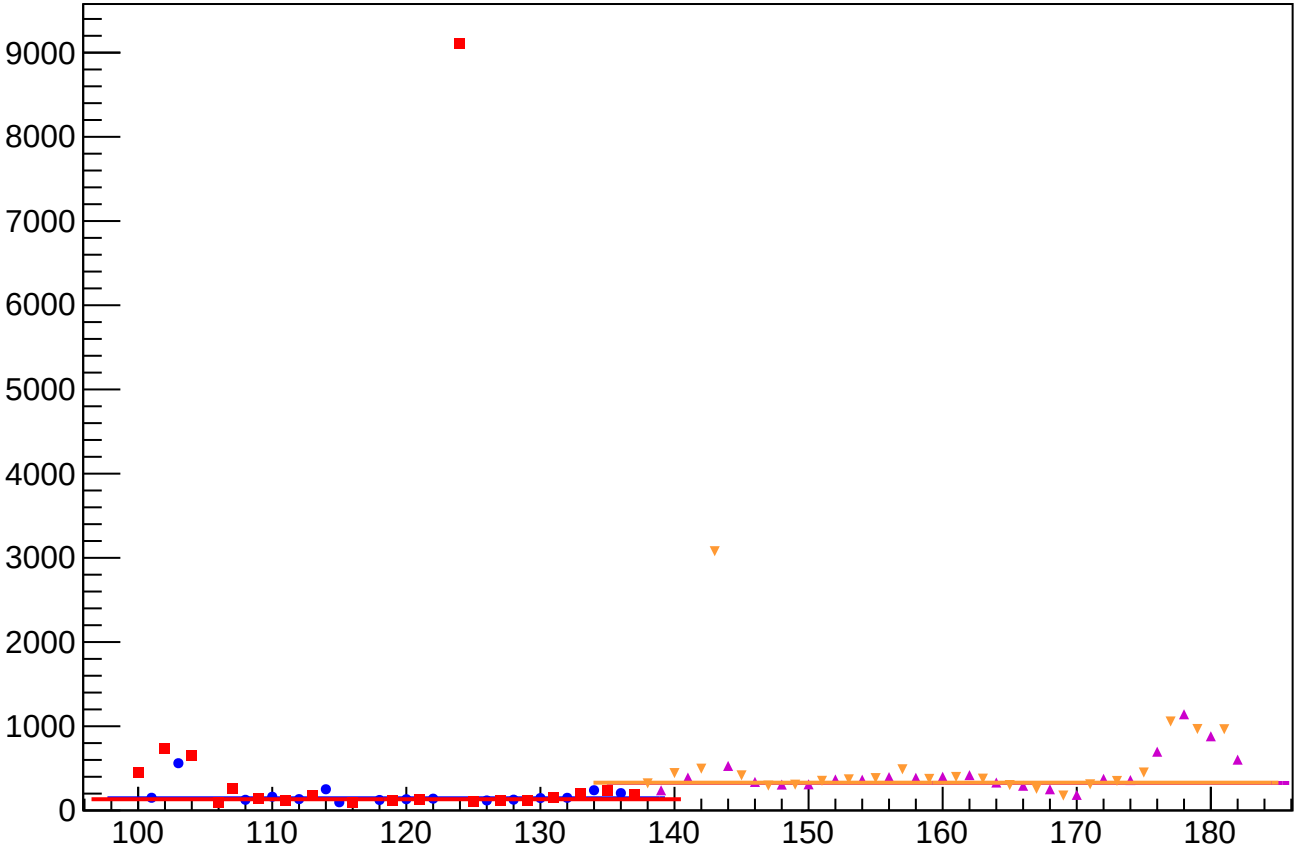
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.039+/-0.047 χ^2/NDF:45.3/37

Out: -0.011+/-0.047 χ^2/NDF:54.0/41

All: -0.025+/-0.033 χ^2/NDF: 99.5/79

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 329.648+/-0.061 χ^2/NDF:5478041.0/22

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 326.213+/-0.059 χ^2/NDF:4090774.6/21

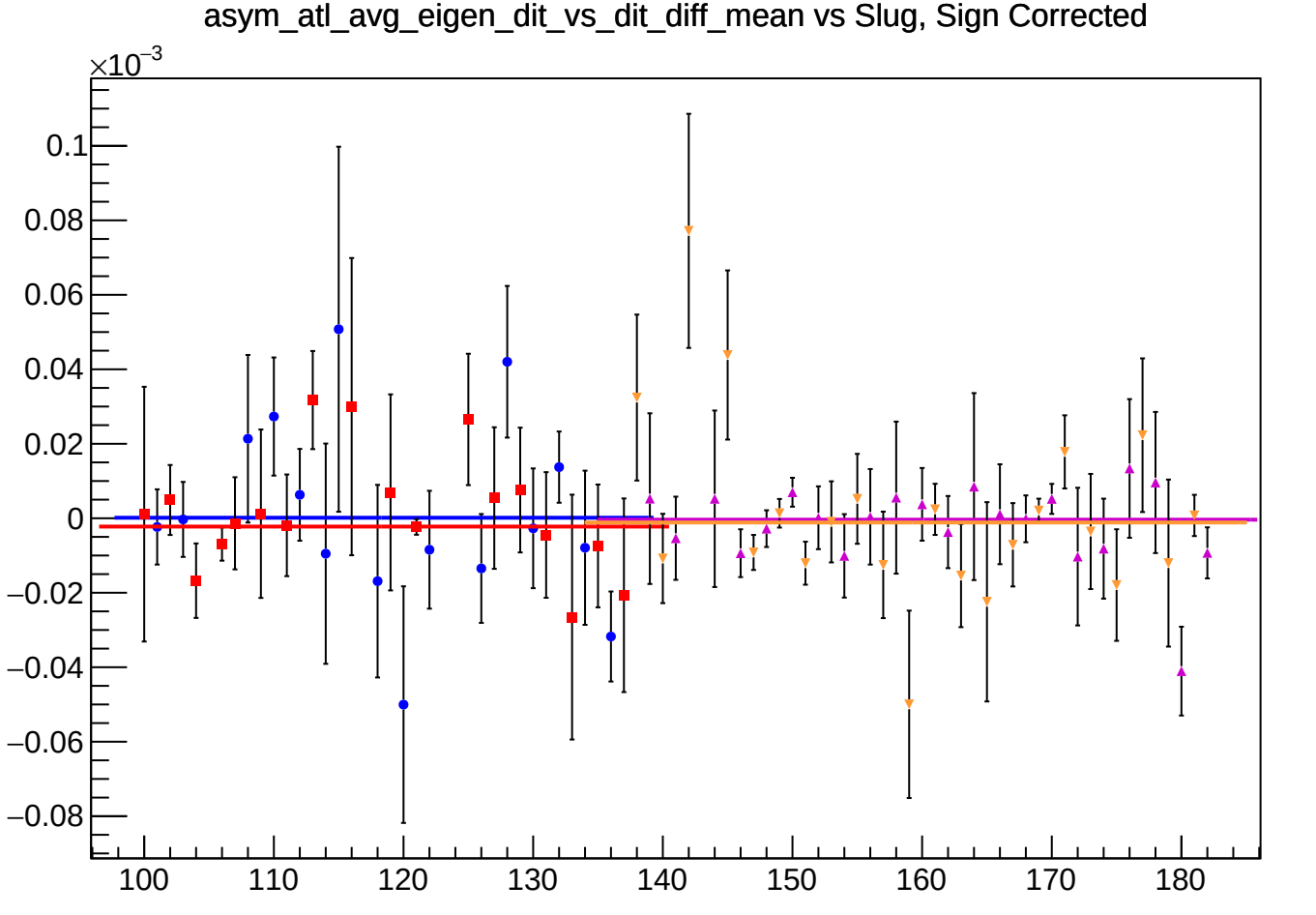
Left: 327.880+/-0.042 χ^2/NDF: 9570474.0/44

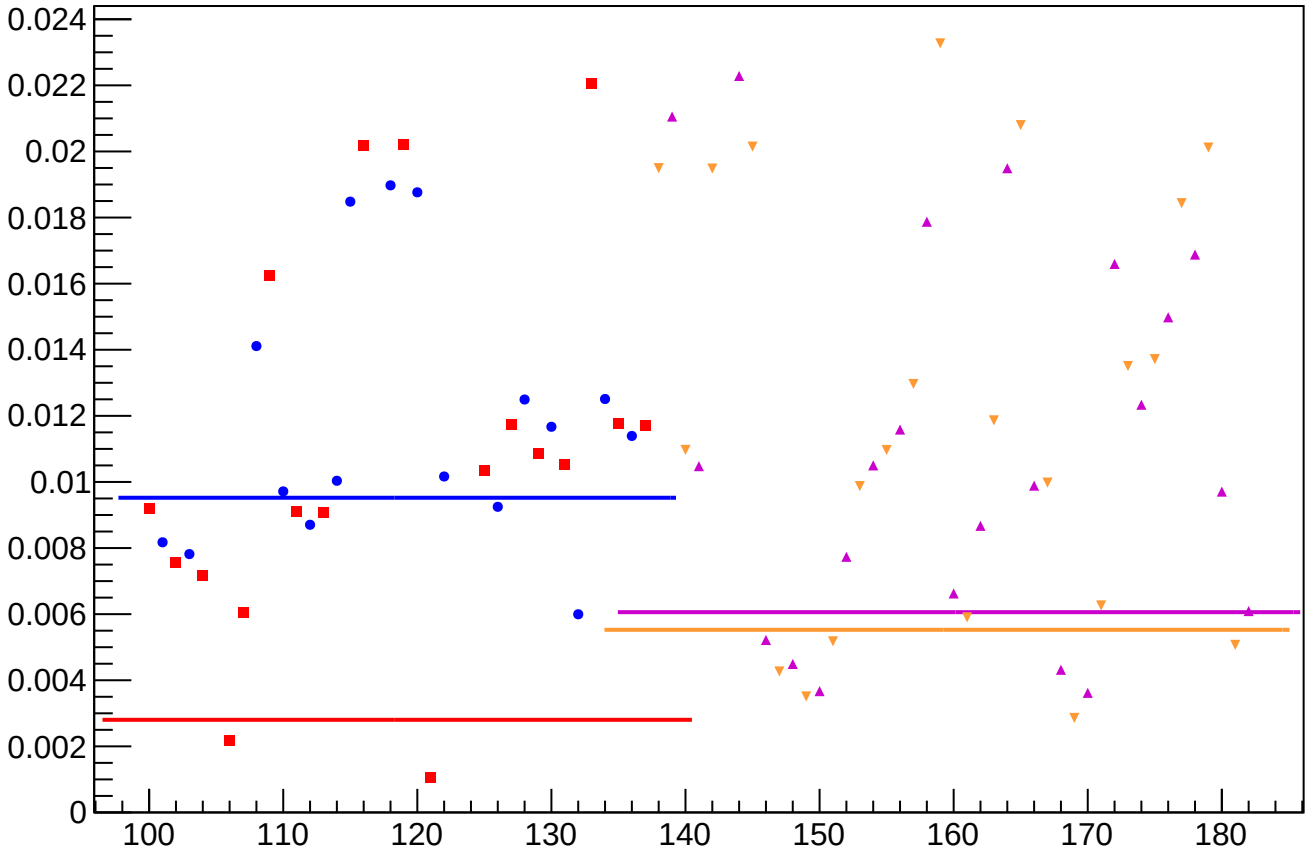
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 203.647+/-0.034 χ^2/NDF:11677907.6/37

Out: 192.895+/-0.033 χ^2/NDF:15034273.3/41

All: 198.236+/-0.024 χ^2/NDF: 26763828.5/79


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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 22.8/15
Left Out: -0.000+/-0.000 χ²/NDF:34.6/21
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/17
Left In: -0.000+/-0.000 χ²/NDF:24.1/21
Left: -0.000+/-0.000 χ²/NDF: 58.8/43
Right: -0.000+/-0.000 χ²/NDF: 38.7/33
In: -0.000+/-0.000 χ²/NDF:46.9/37
Out: -0.000+/-0.000 χ²/NDF:50.4/39
All: -0.000+/-0.000 χ²/NDF: 97.8/77



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:10962845.8/21

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:8697868.6/21

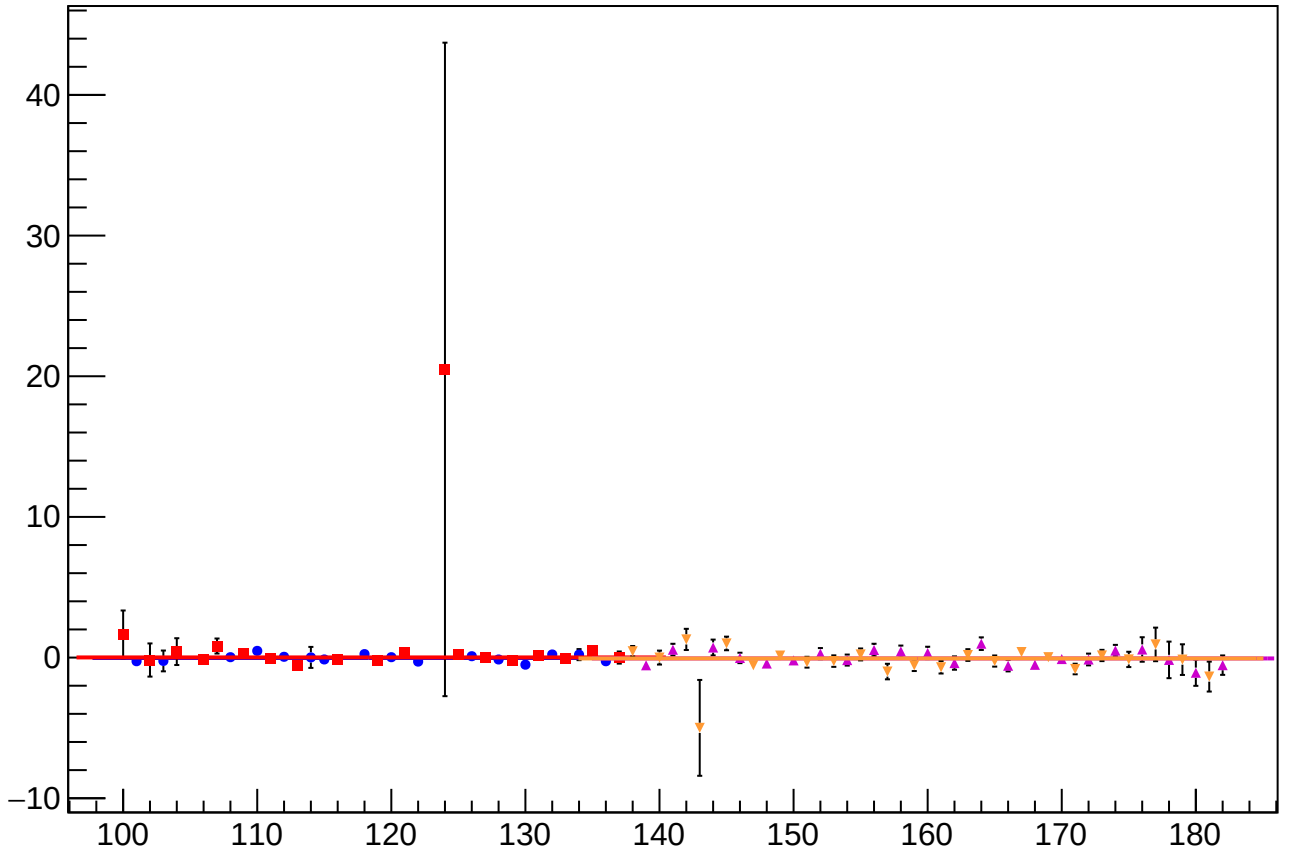
Left: 0.006+/-0.000 χ^2/NDF: 19759924.5/43

Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:11238246.8/37

Out: 0.004+/-0.000 χ^2/NDF:22141871.9/39

All: 0.005+/-0.000 χ^2/NDF: 36464143.4/77



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.060+/-0.086 χ^2/NDF:31.7/22

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.061+/-0.083 χ^2/NDF:28.0/21

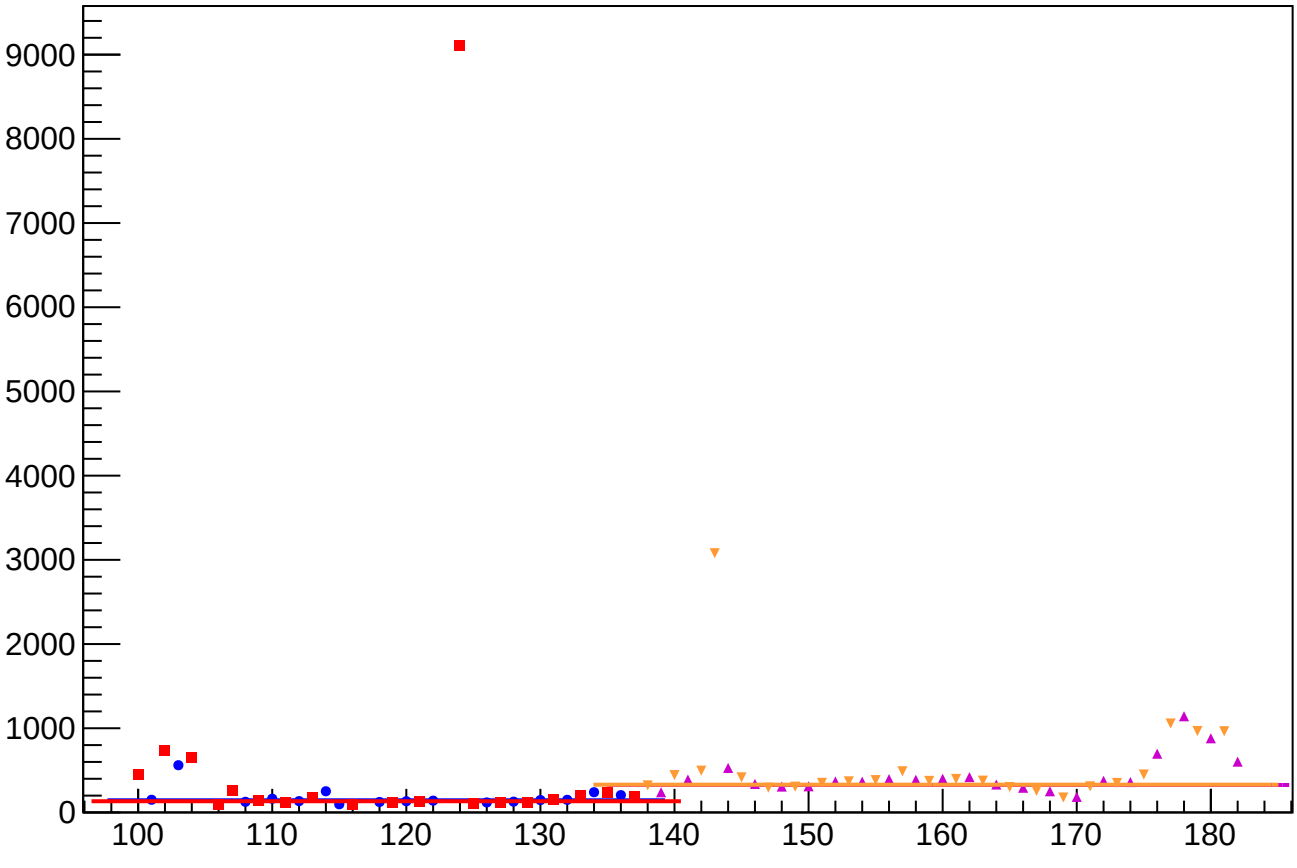
Left: -0.061+/-0.060 χ^2/NDF: 59.7/44

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.039+/-0.047 χ^2/NDF:45.3/37

Out: -0.011+/-0.047 χ^2/NDF:54.0/41

All: -0.025+/-0.033 χ^2/NDF: 99.5/79



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 329.650+/-0.061 χ^2/NDF:5478104.2/22

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 326.216+/-0.059 χ^2/NDF:4090778.7/21

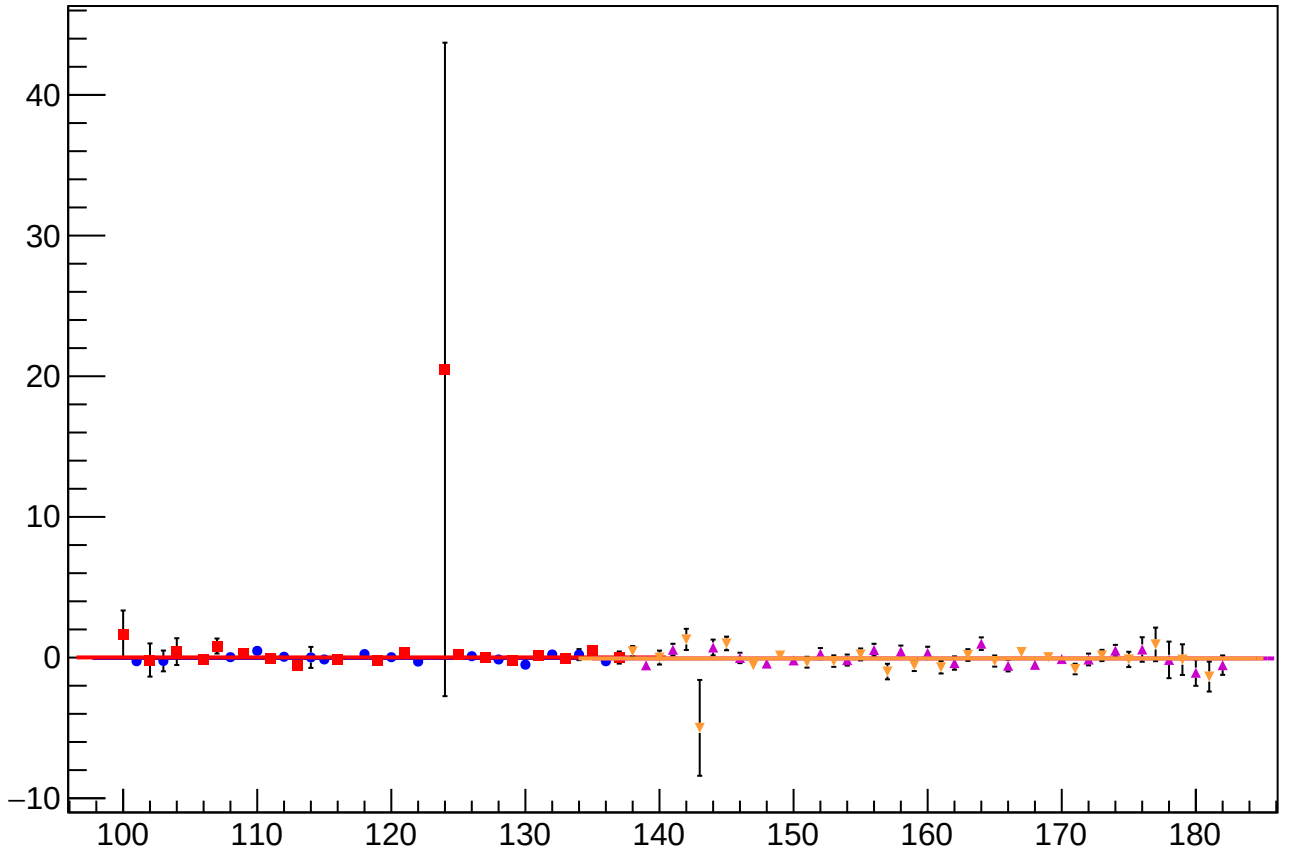
Left: 327.883+/-0.042 χ^2/NDF: 9570540.4/44

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 203.646+/-0.034 χ^2/NDF:11678202.2/37

Out: 192.895+/-0.033 χ^2/NDF:15034452.4/41

All: 198.235+/-0.024 χ^2/NDF: 26764297.1/79



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.060+/-0.086 χ^2/NDF:31.7/22

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.061+/-0.083 χ^2/NDF:28.0/21

Left: -0.061+/-0.060 χ^2/NDF: 59.7/44

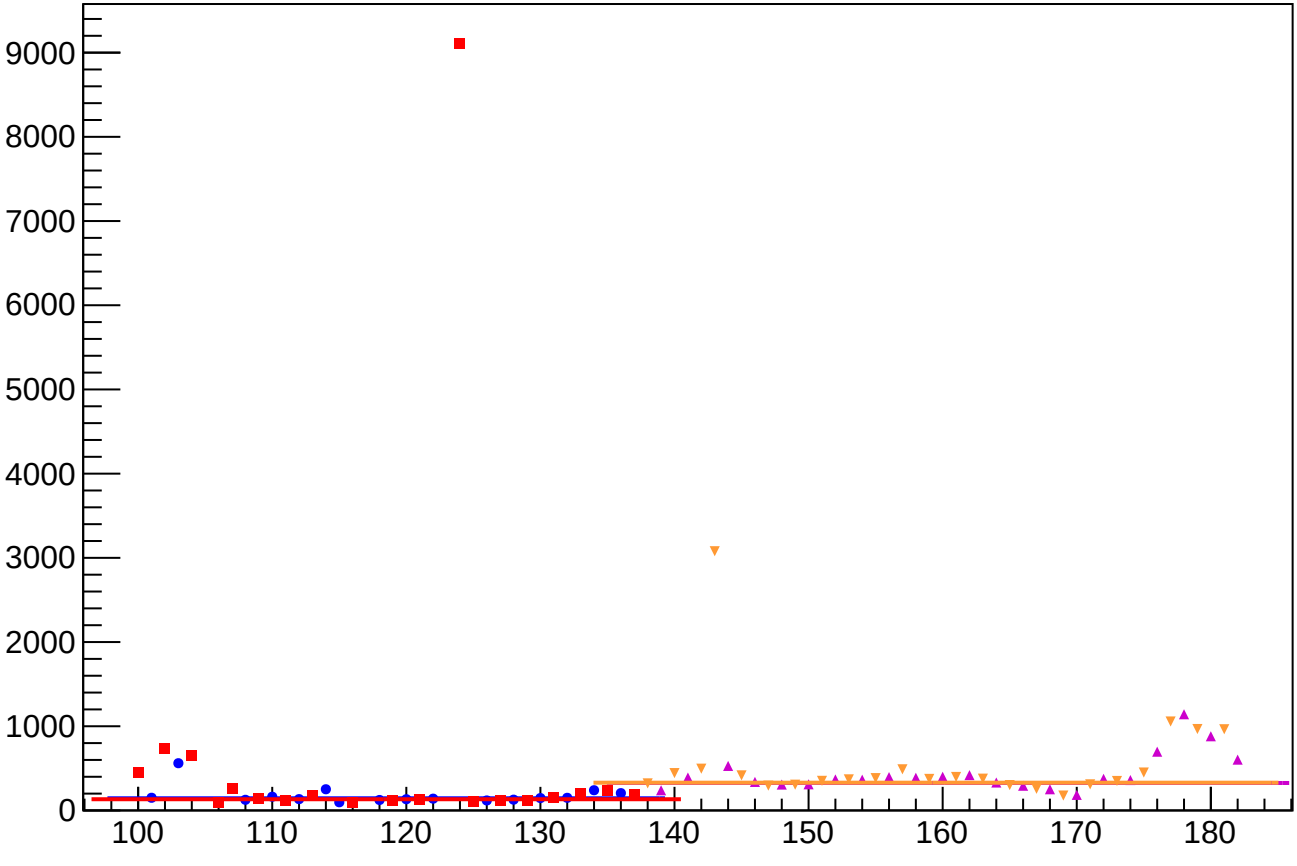
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.039+/-0.047 χ^2/NDF:45.3/37

Out: -0.011+/-0.047 χ^2/NDF:54.0/41

All: -0.025+/-0.033 χ^2/NDF: 99.5/79

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 329.650+/-0.061 χ^2/NDF:5478104.2/22

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 326.216+/-0.059 χ^2/NDF:4090778.7/21

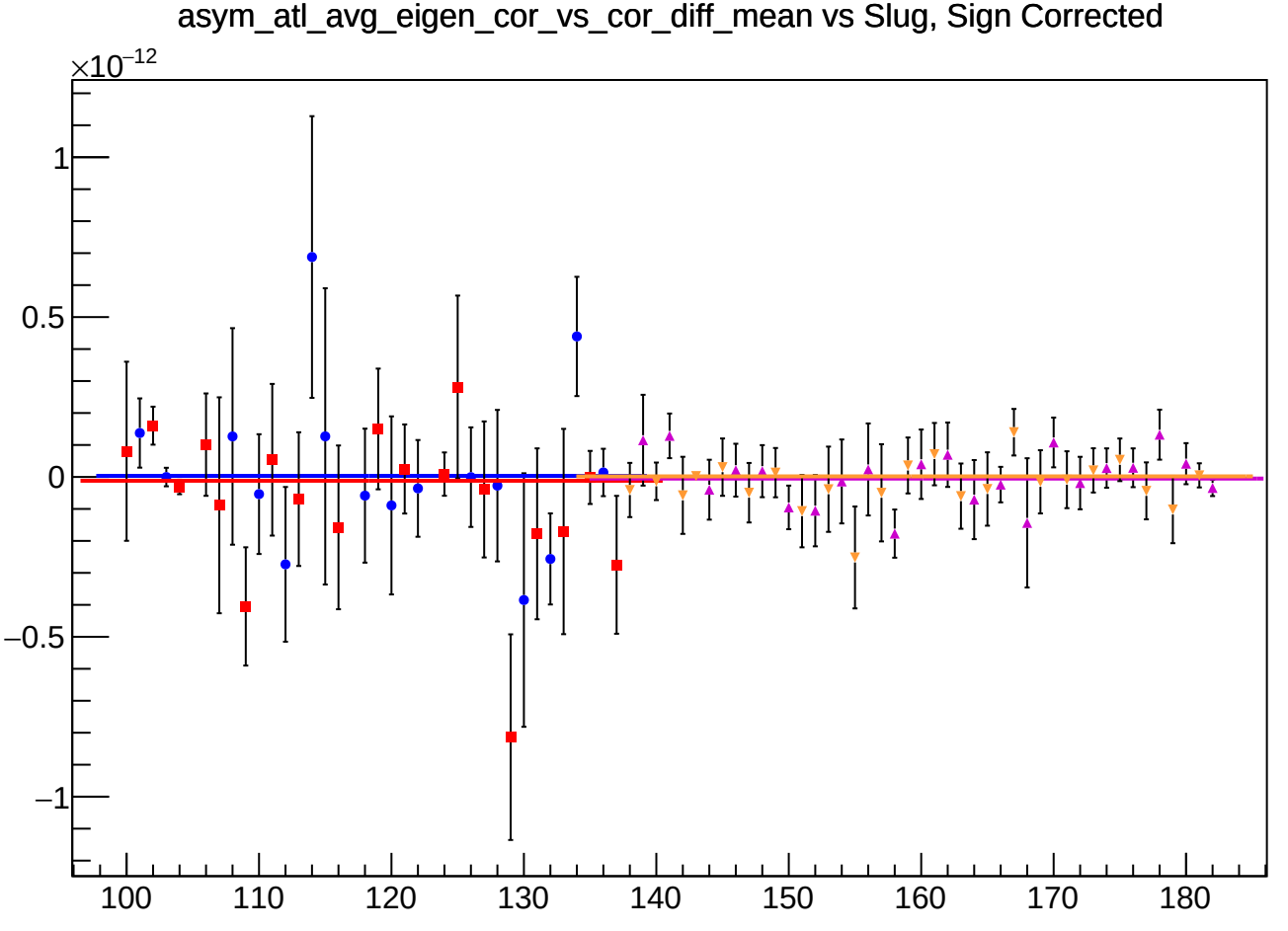
Left: 327.883+/-0.042 χ^2/NDF: 9570540.4/44

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 203.646+/-0.034 χ^2/NDF:11678202.2/37

Out: 192.895+/-0.033 χ^2/NDF:15034452.4/41

All: 198.235+/-0.024 χ^2/NDF: 26764297.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/22

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:21.8/21

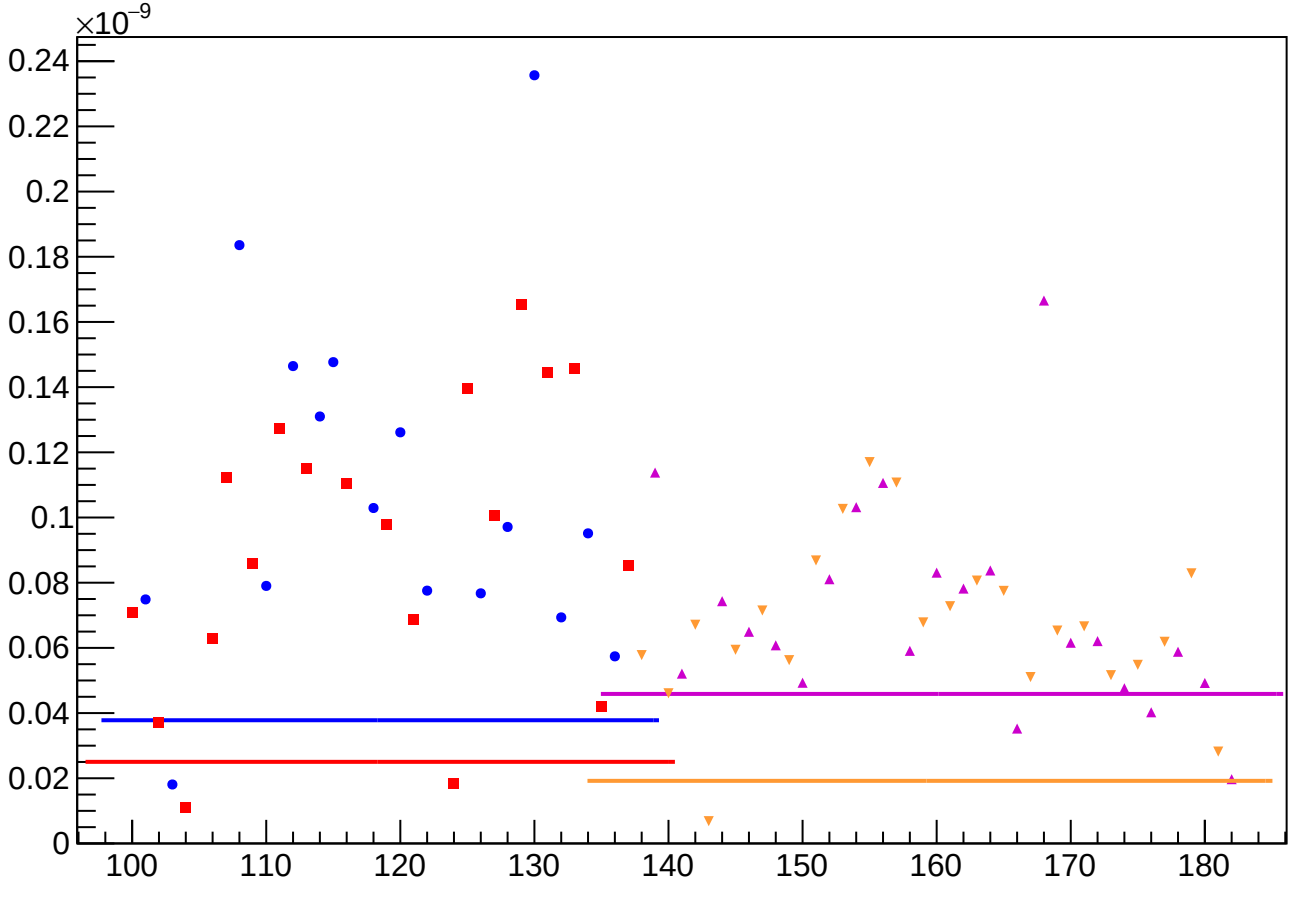
Left: 0.000+/-0.000 χ^2/NDF: 33.3/44

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:37.5/37

Out: -0.000+/-0.000 χ^2/NDF:36.9/41

All: -0.000+/-0.000 χ^2/NDF: 74.4/79



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14815386.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:5654103.1/21

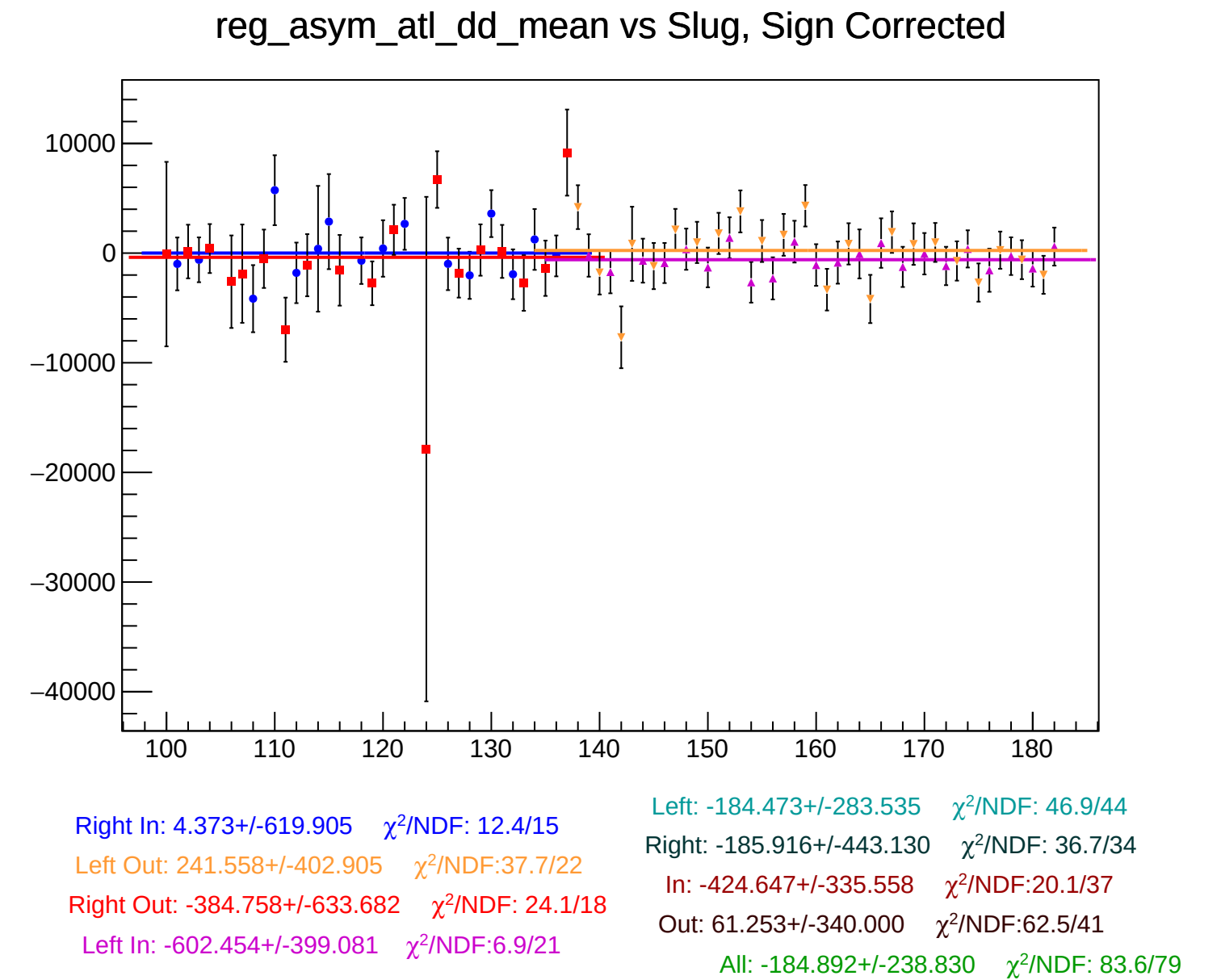
Left: 0.000+/-0.000 χ^2/NDF: 25358047.1/44

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

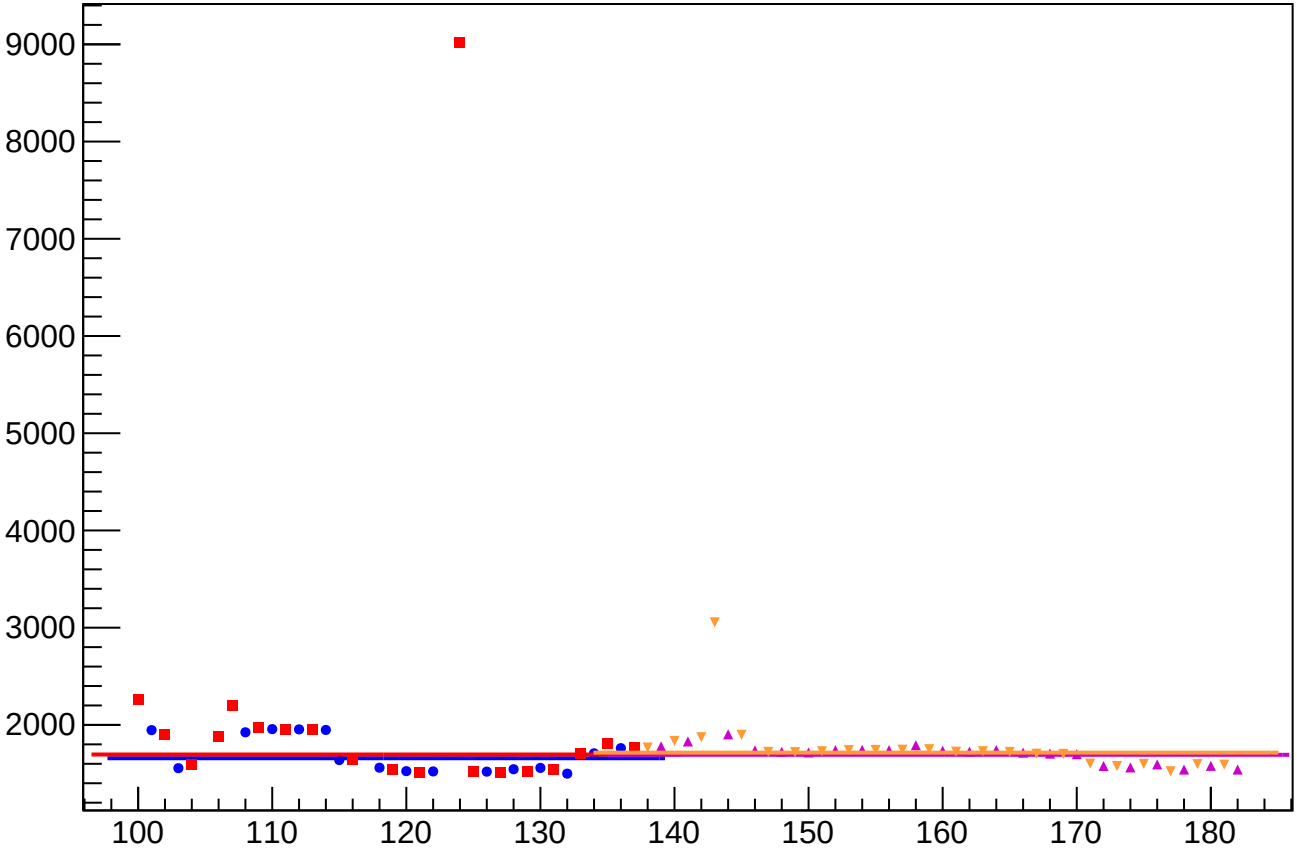
In: 0.000+/-0.000 χ^2/NDF:9762430.9/37

Out: 0.000+/-0.000 χ^2/NDF:19679096.5/41

All: 0.000+/-0.000 χ^2/NDF: 34458288.0/79


reg_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: 4.373+/-619.905 χ²/NDF: 12.4/15
Left Out: 241.558+/-402.905 χ²/NDF:37.7/22
Right Out: -384.758+/-633.682 χ²/NDF: 24.1/18
Left In: -602.454+/-399.081 χ²/NDF:6.9/21
Left: -184.473+/-283.535 χ²/NDF: 46.9/44
Right: -185.916+/-443.130 χ²/NDF: 36.7/34
In: -424.647+/-335.558 χ²/NDF:20.1/37
Out: 61.253+/-340.000 χ²/NDF:62.5/41
All: -184.892+/-238.830 χ²/NDF: 83.6/79

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1715.000+/-0.285 χ^2/NDF:420073.4/22

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1692.424+/-0.282 χ^2/NDF:115961.2/21

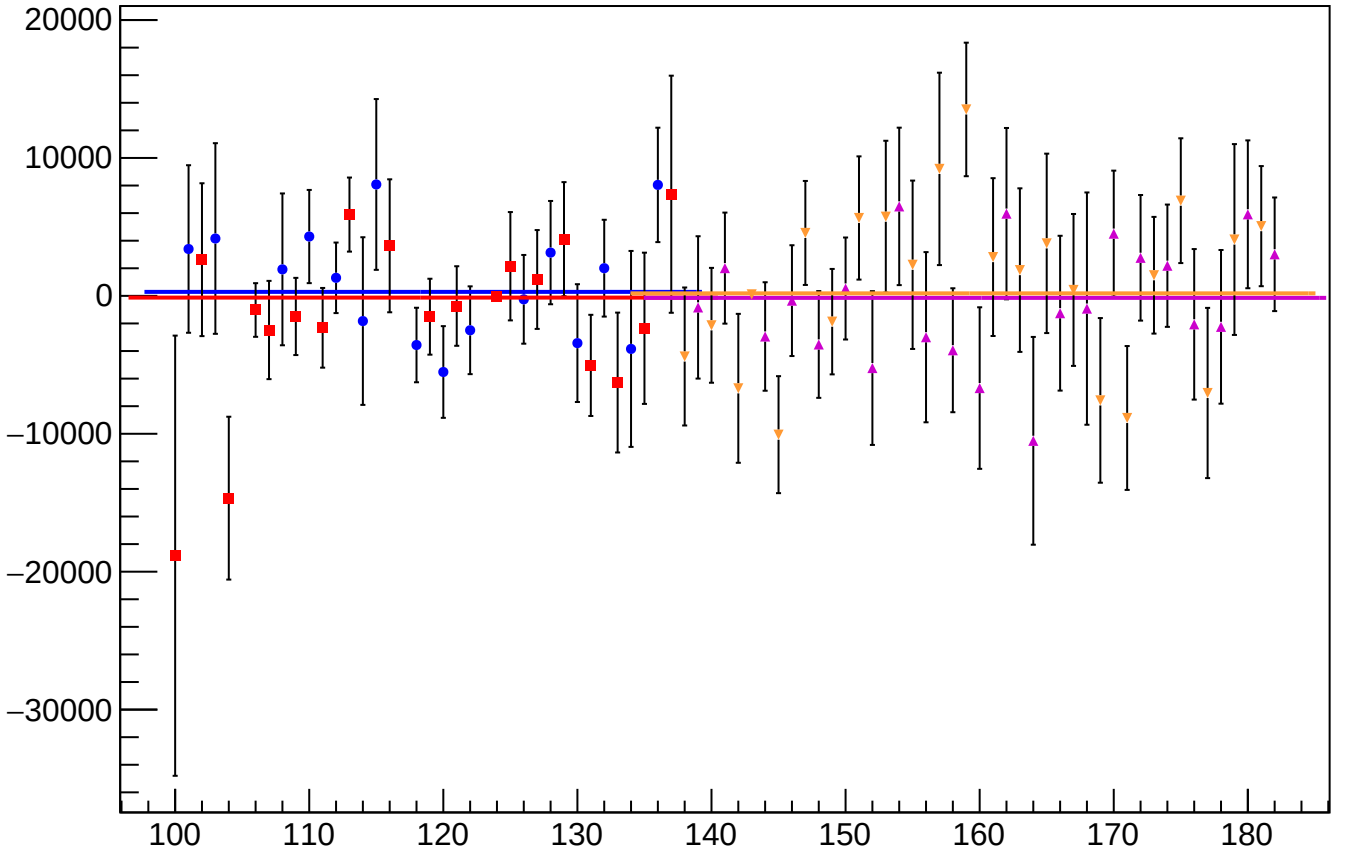
Left: 1703.604+/-0.200 χ^2/NDF: 539204.2/44

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1682.079+/-0.237 χ^2/NDF:264530.0/37

Out: 1709.392+/-0.240 χ^2/NDF:807626.5/41

All: 1695.574+/-0.169 χ^2/NDF: 1078703.6/79



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 181.671+/-344.488 χ^2/NDF:32.7/22

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -145.188+/-1037.301 χ^2/NDF:12.7/21

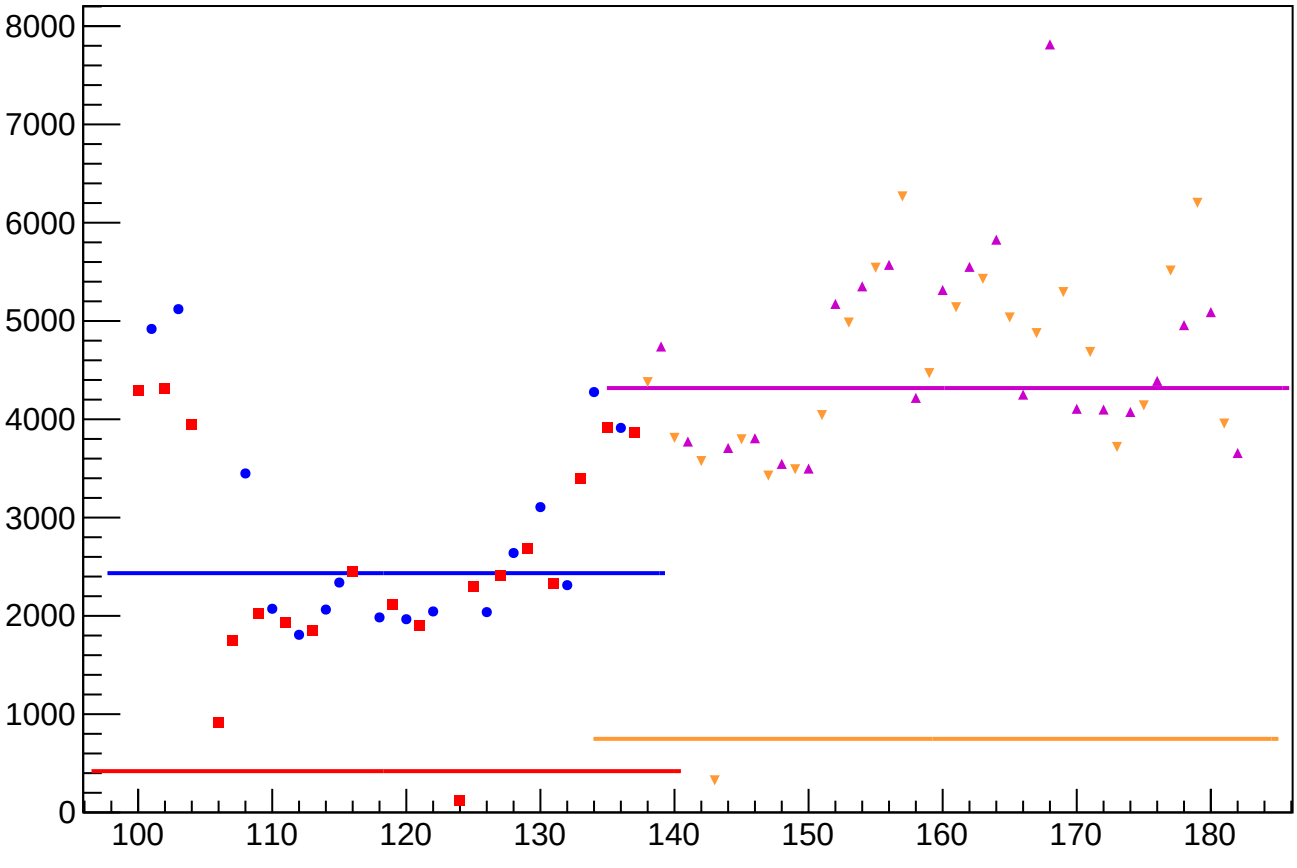
Left: 149.202+/-326.931 χ^2/NDF: 45.5/44

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: 88.586+/-704.990 χ^2/NDF:28.0/37

Out: 18.500+/-235.903 χ^2/NDF:54.0/41

All: 25.557+/-223.711 χ^2/NDF: 82.0/79



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 749.003+/-0.244 χ^2/NDF:26721252.6/22

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4317.758+/-0.733 χ^2/NDF:1201067.6/21

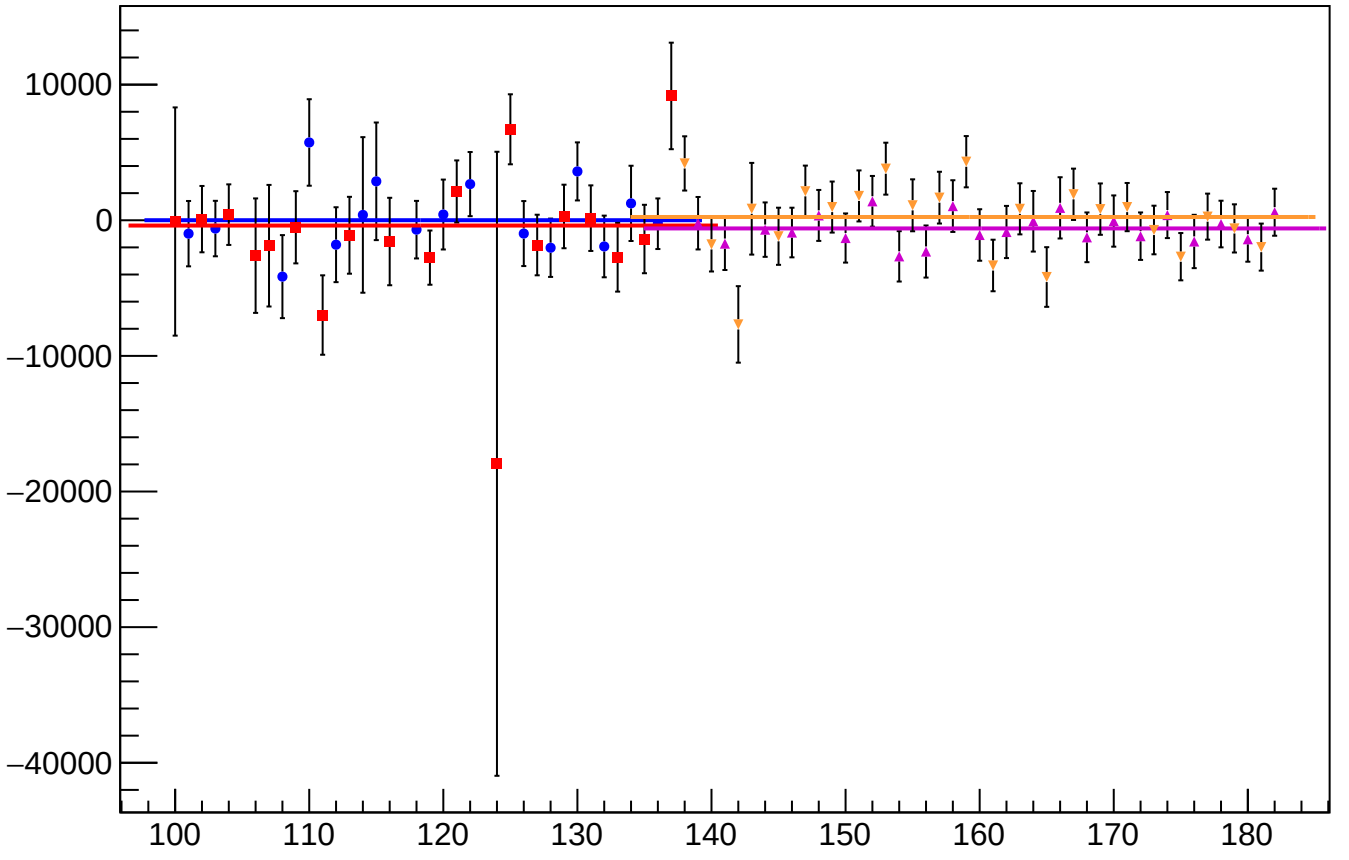
Left: 1103.505+/-0.231 χ^2/NDF: 49243768.2/44

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3304.444+/-0.499 χ^2/NDF:6205716.7/37

Out: 574.438+/-0.167 χ^2/NDF:38752284.0/41

All: 849.336+/-0.158 χ^2/NDF: 71929038.9/79



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 241.542+/-402.905 χ^2/NDF:37.7/22

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -602.420+/-399.081 χ^2/NDF:6.9/21

Left: -184.463+/-283.535 χ^2/NDF: 46.9/44

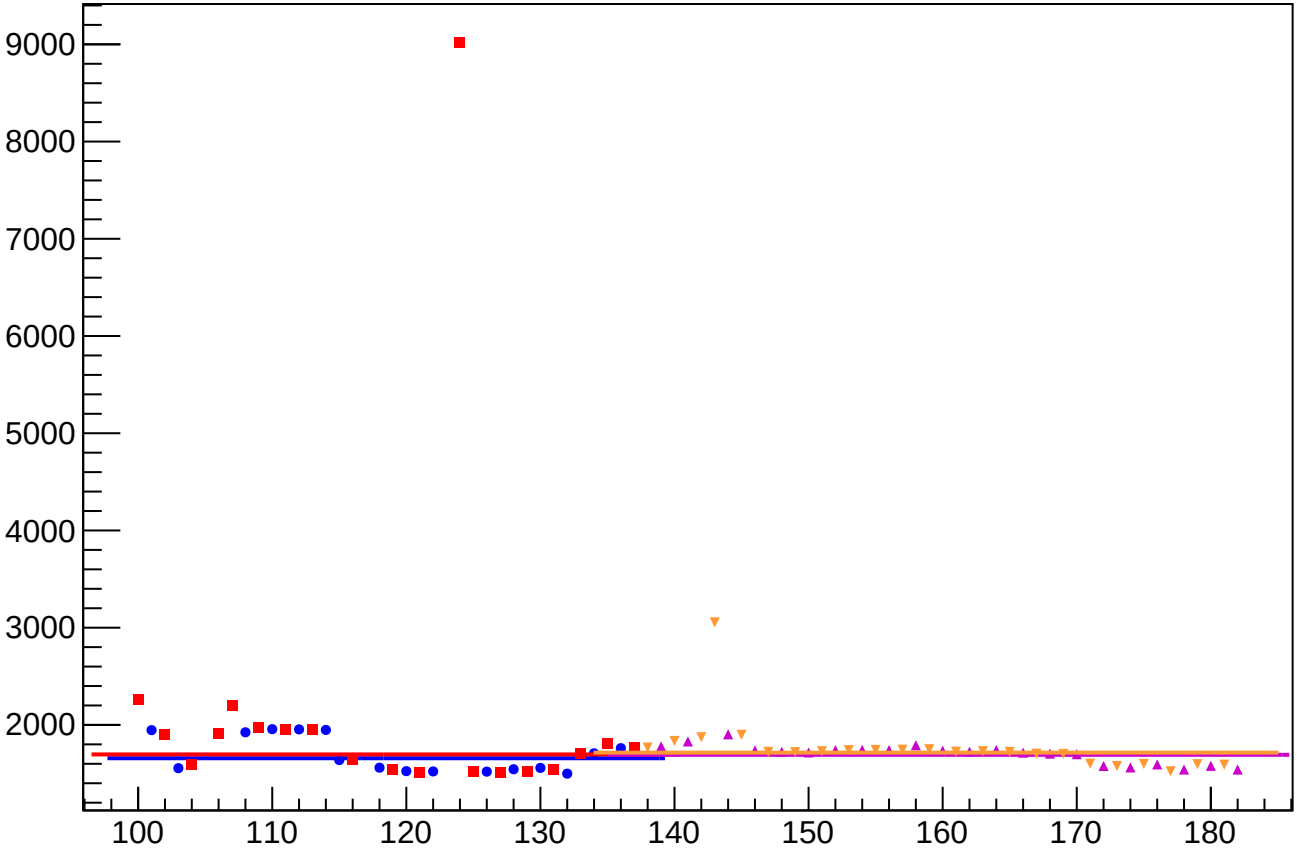
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -424.646+/-335.558 χ^2/NDF:20.1/37

Out: 60.007+/-340.001 χ^2/NDF:62.5/41

All: -185.507+/-238.830 χ^2/NDF: 83.6/79

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1715.000+/-0.285 χ^2/NDF:420073.4/22

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1692.424+/-0.282 χ^2/NDF:115961.2/21

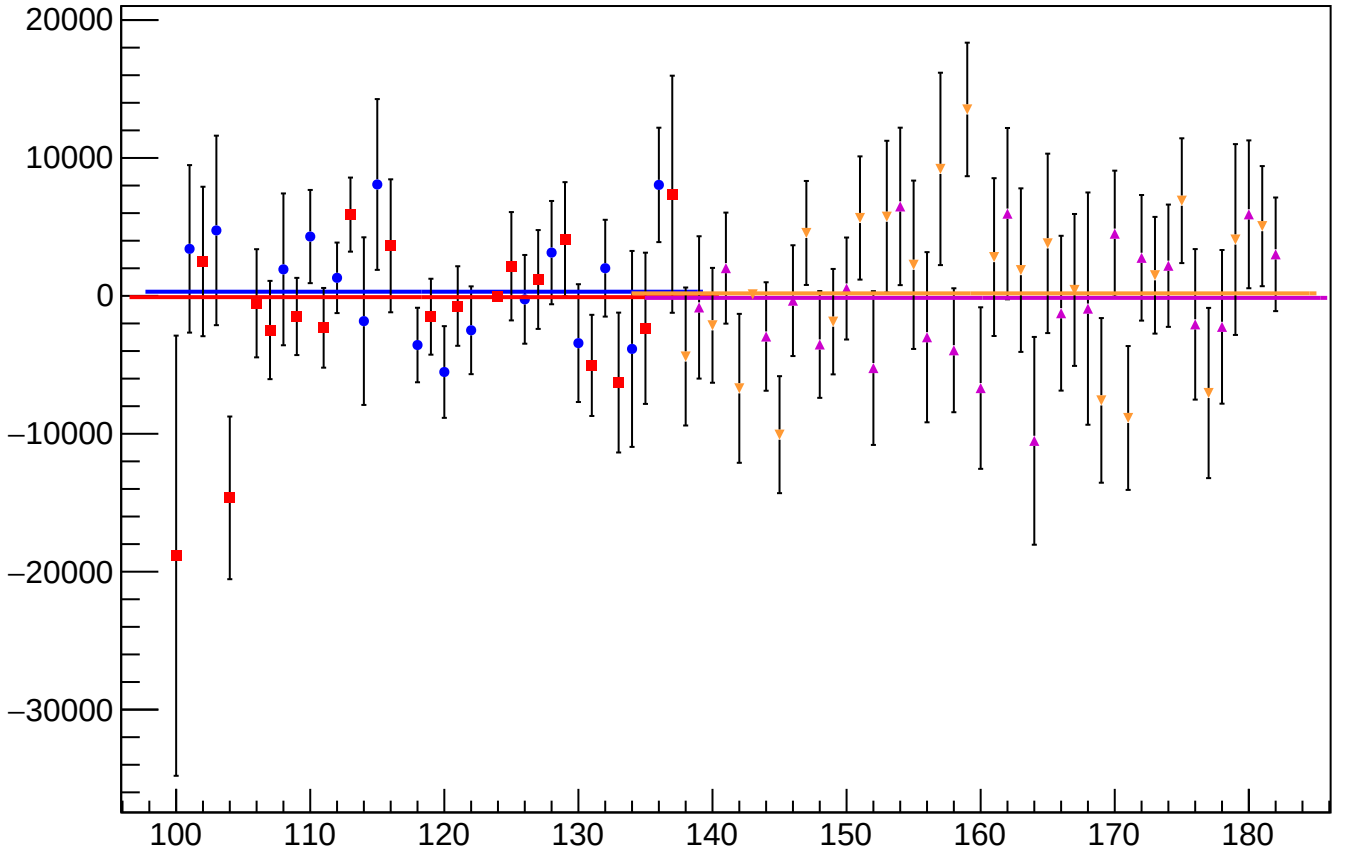
Left: 1703.604+/-0.200 χ^2/NDF: 539204.2/44

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1682.079+/-0.237 χ^2/NDF:264530.0/37

Out: 1709.626+/-0.240 χ^2/NDF:809276.5/41

All: 1695.688+/-0.169 χ^2/NDF: 1080465.2/79



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 182.088+/-344.464 χ^2/NDF:32.7/22

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -145.233+/-1037.300 χ^2/NDF:12.7/21

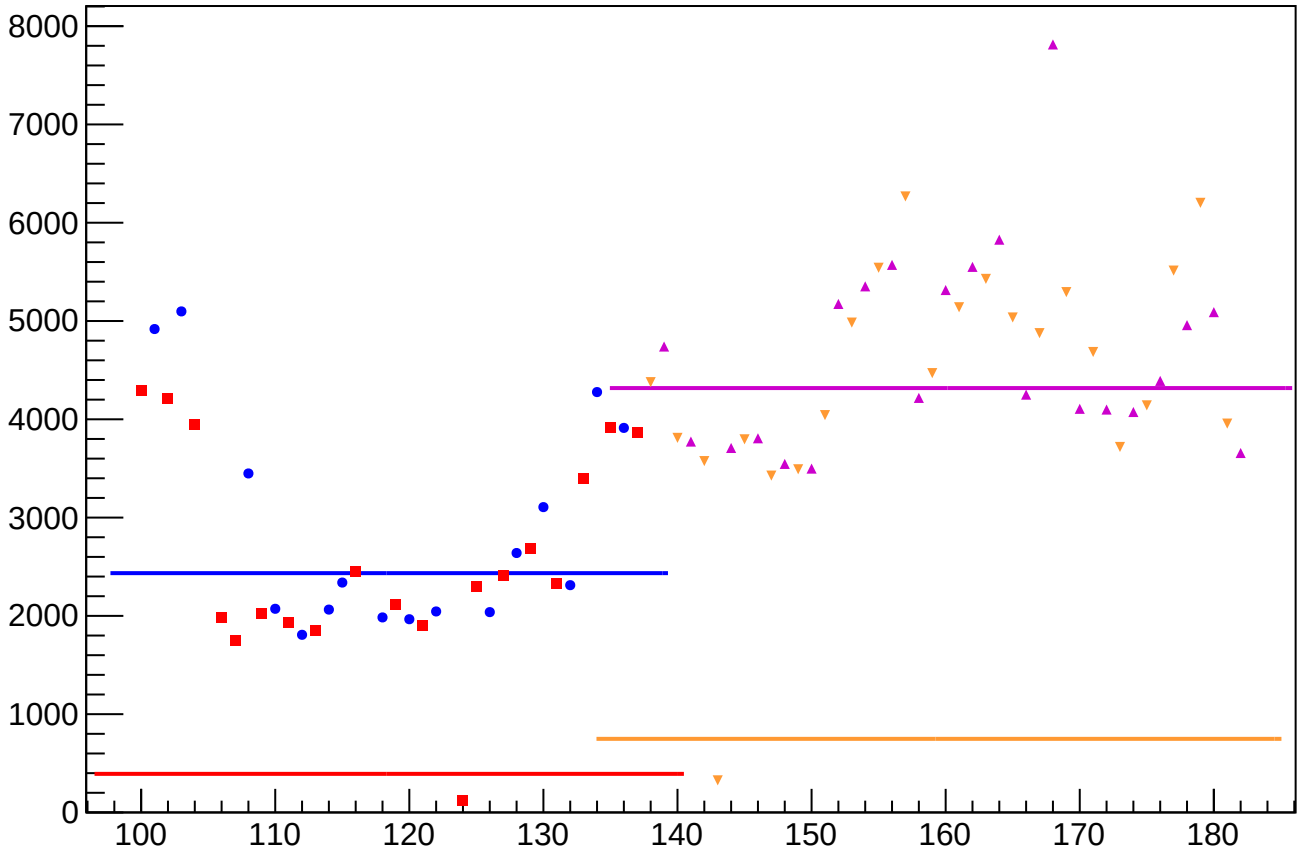
Left: 149.578+/-326.910 χ^2/NDF: 45.5/44

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 95.359+/-704.943 χ^2/NDF:28.2/37

Out: 33.017+/-232.762 χ^2/NDF:53.7/41

All: 39.146+/-221.025 χ^2/NDF: 81.9/79



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 748.917+/-0.244 χ^2/NDF:26722041.9/22

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4317.752+/-0.733 χ^2/NDF:1201061.8/21

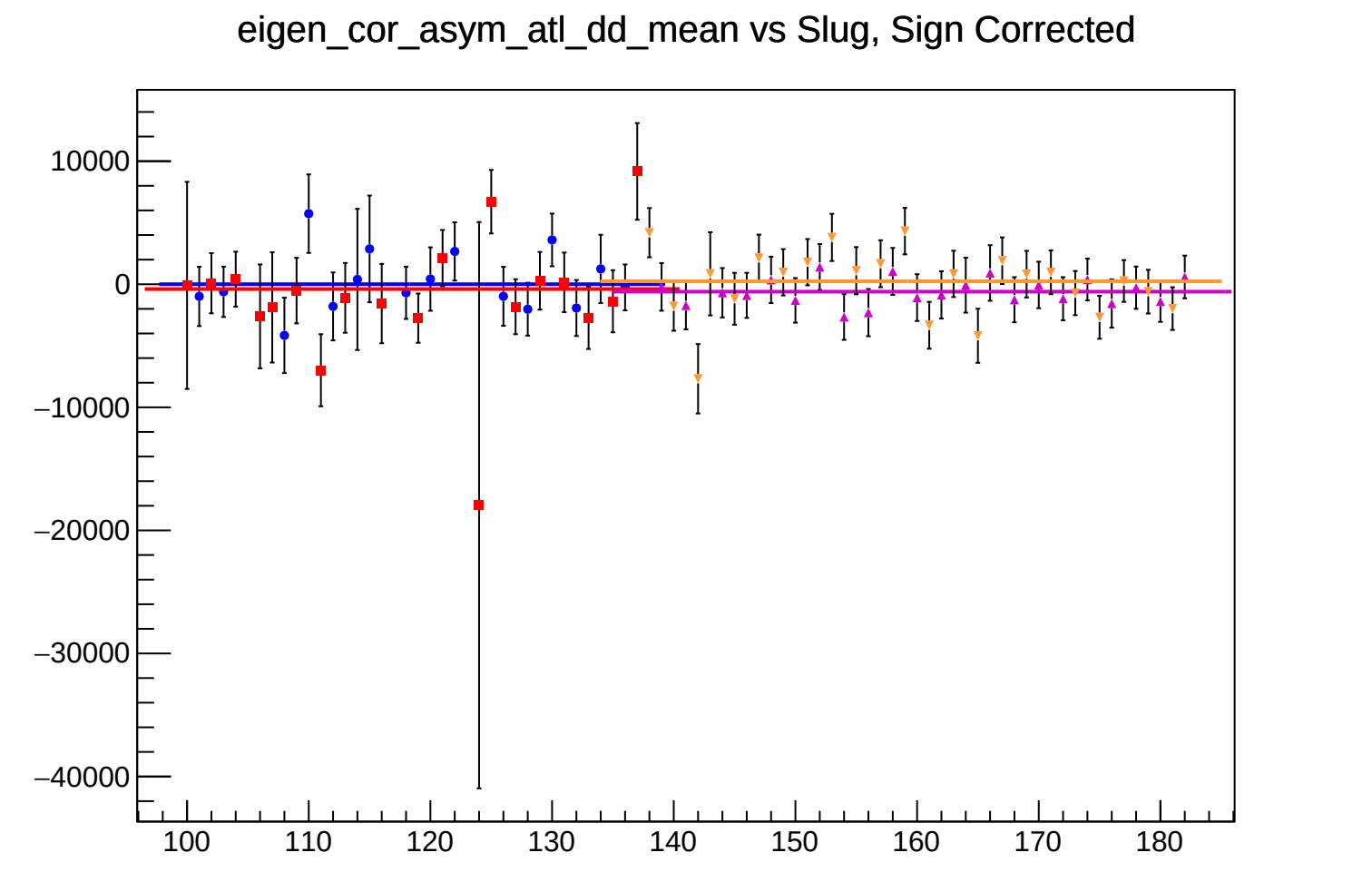
Left: 1103.383+/-0.231 χ^2/NDF: 49245861.5/44

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3304.416+/-0.498 χ^2/NDF:6203782.5/37

Out: 555.331+/-0.165 χ^2/NDF:39292500.1/41

All: 825.580+/-0.156 χ^2/NDF: 72921985.1/79



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 241.542+/-402.905 χ^2/NDF:37.7/22

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -602.420+/-399.081 χ^2/NDF:6.9/21

Left: -184.463+/-283.535 χ^2/NDF: 46.9/44

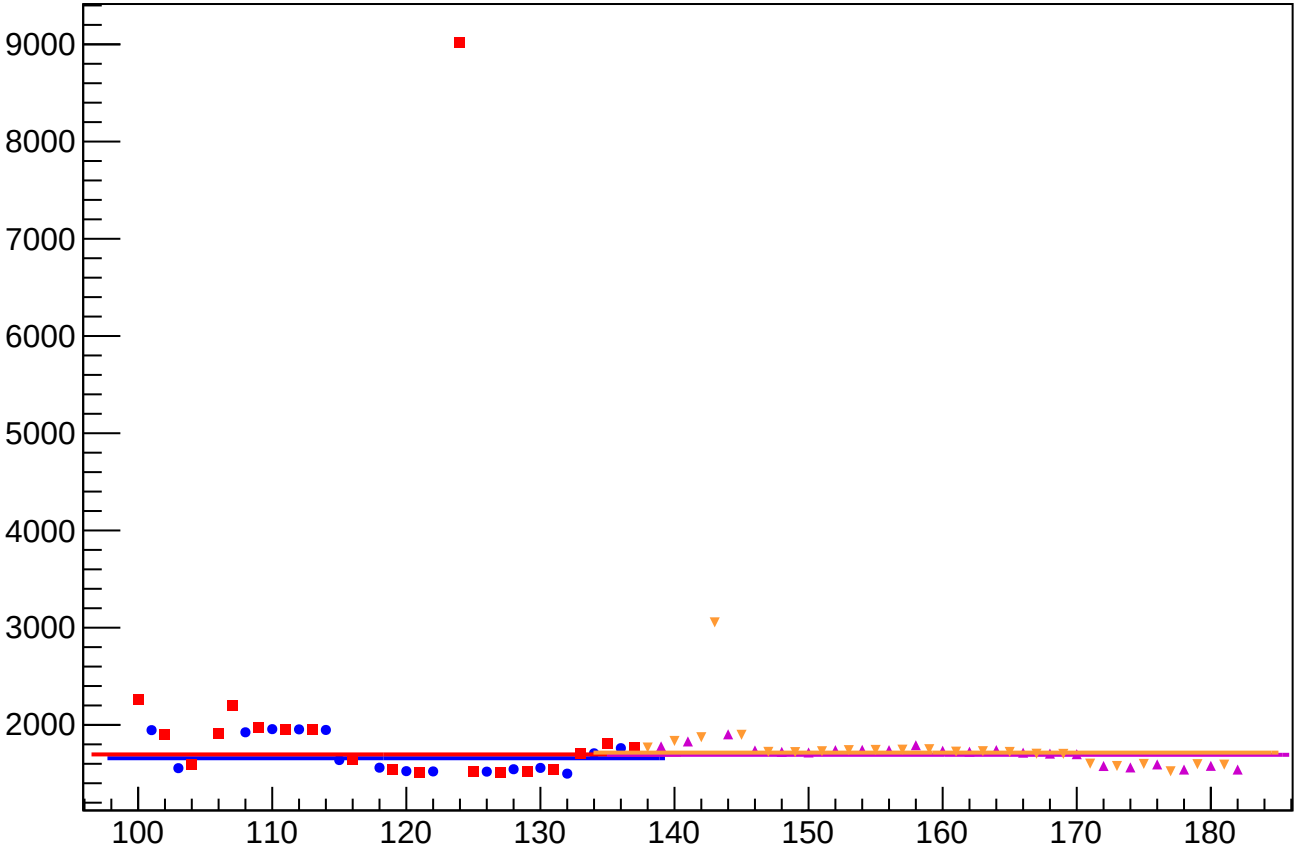
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -424.646+/-335.558 χ^2/NDF:20.1/37

Out: 60.007+/-340.001 χ^2/NDF:62.5/41

All: -185.507+/-238.830 χ^2/NDF: 83.6/79

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1715.000+/-0.285 χ^2/NDF:420073.4/22

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1692.424+/-0.282 χ^2/NDF:115961.2/21

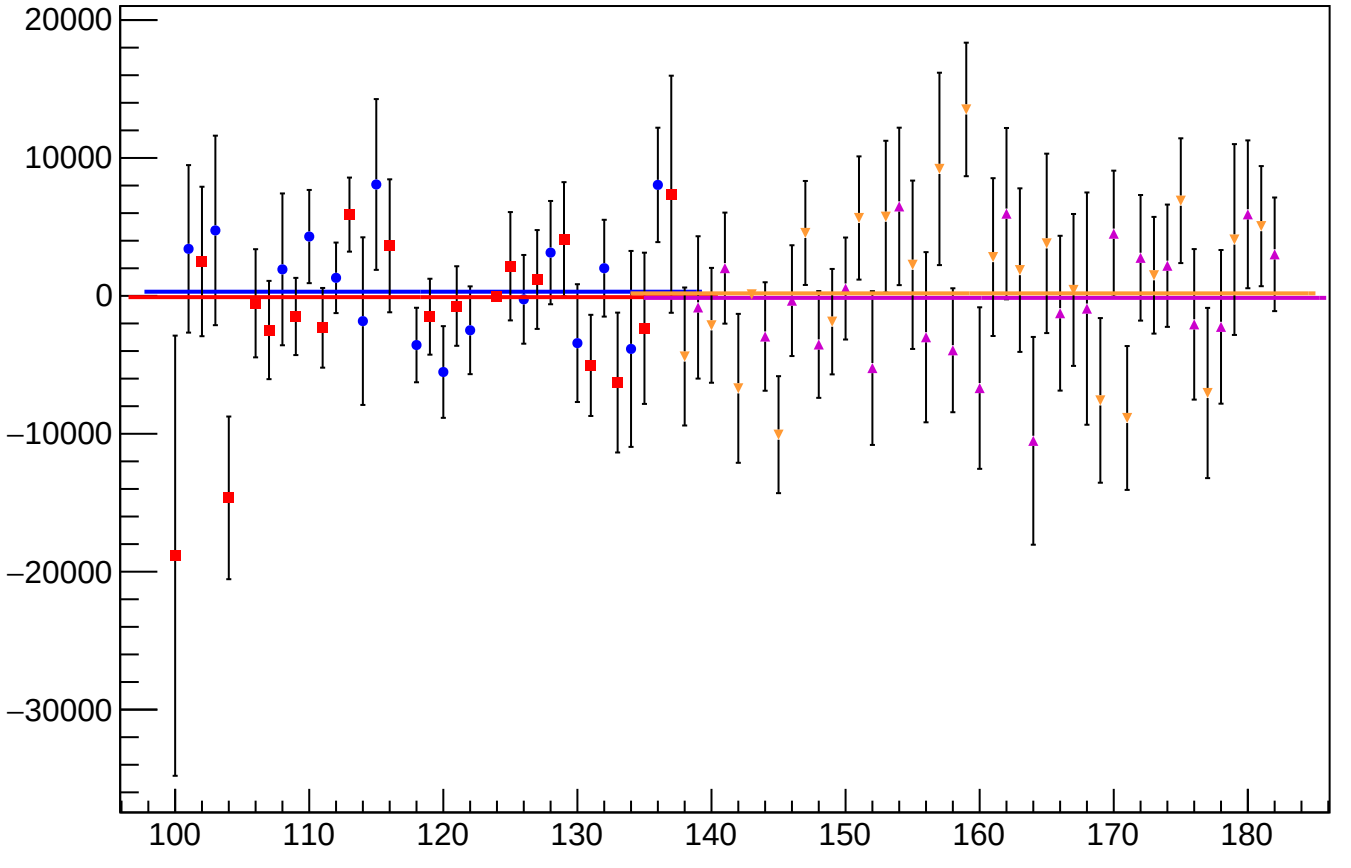
Left: 1703.604+/-0.200 χ^2/NDF: 539204.2/44

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1682.079+/-0.237 χ^2/NDF:264530.0/37

Out: 1709.626+/-0.240 χ^2/NDF:809276.5/41

All: 1695.688+/-0.169 χ^2/NDF: 1080465.2/79



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 182.088+/-344.464 χ^2/NDF:32.7/22

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -145.233+/-1037.300 χ^2/NDF:12.7/21

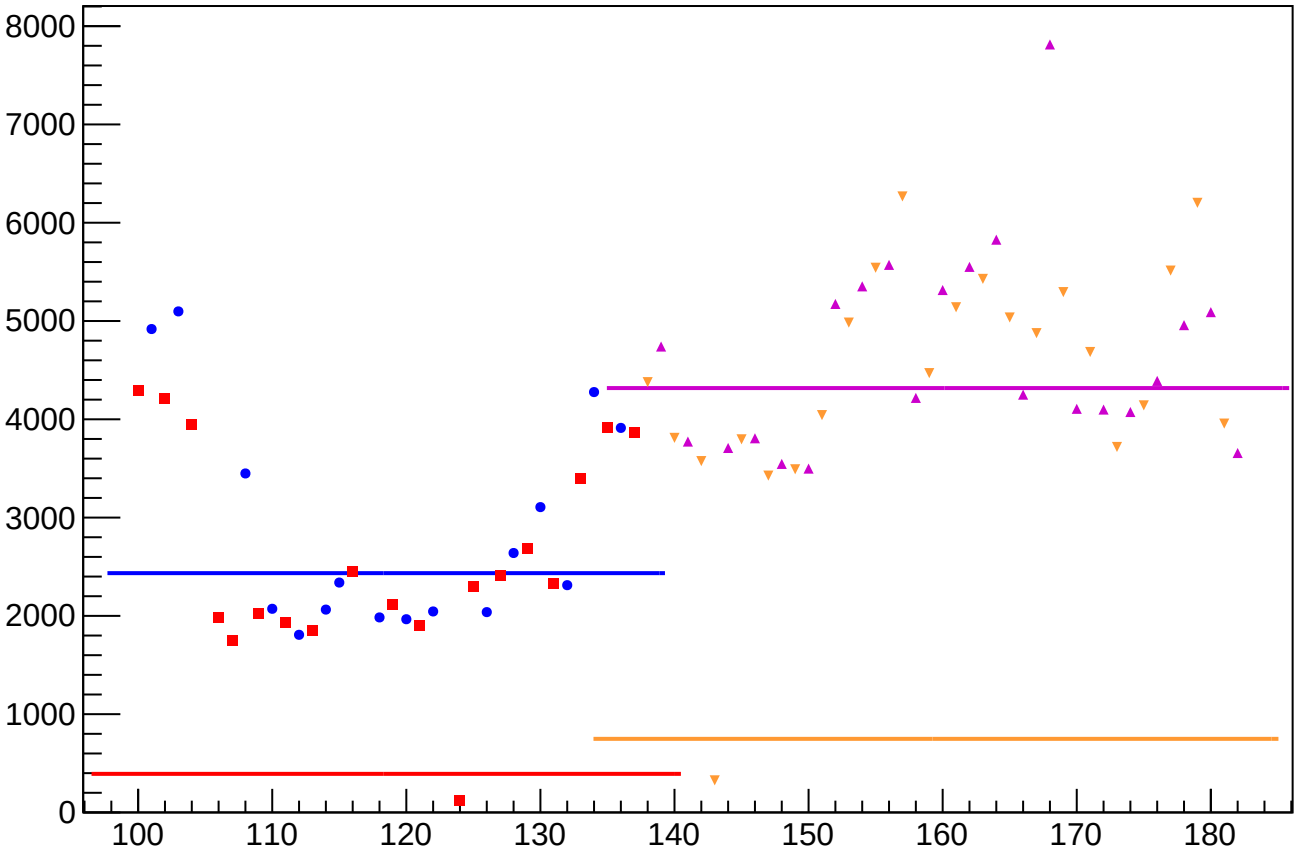
Left: 149.578+/-326.910 χ^2/NDF: 45.5/44

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 95.359+/-704.943 χ^2/NDF:28.2/37

Out: 33.017+/-232.762 χ^2/NDF:53.7/41

All: 39.146+/-221.025 χ^2/NDF: 81.9/79



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 748.917+/-0.244 χ^2/NDF:26722041.9/22

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4317.752+/-0.733 χ^2/NDF:1201061.8/21

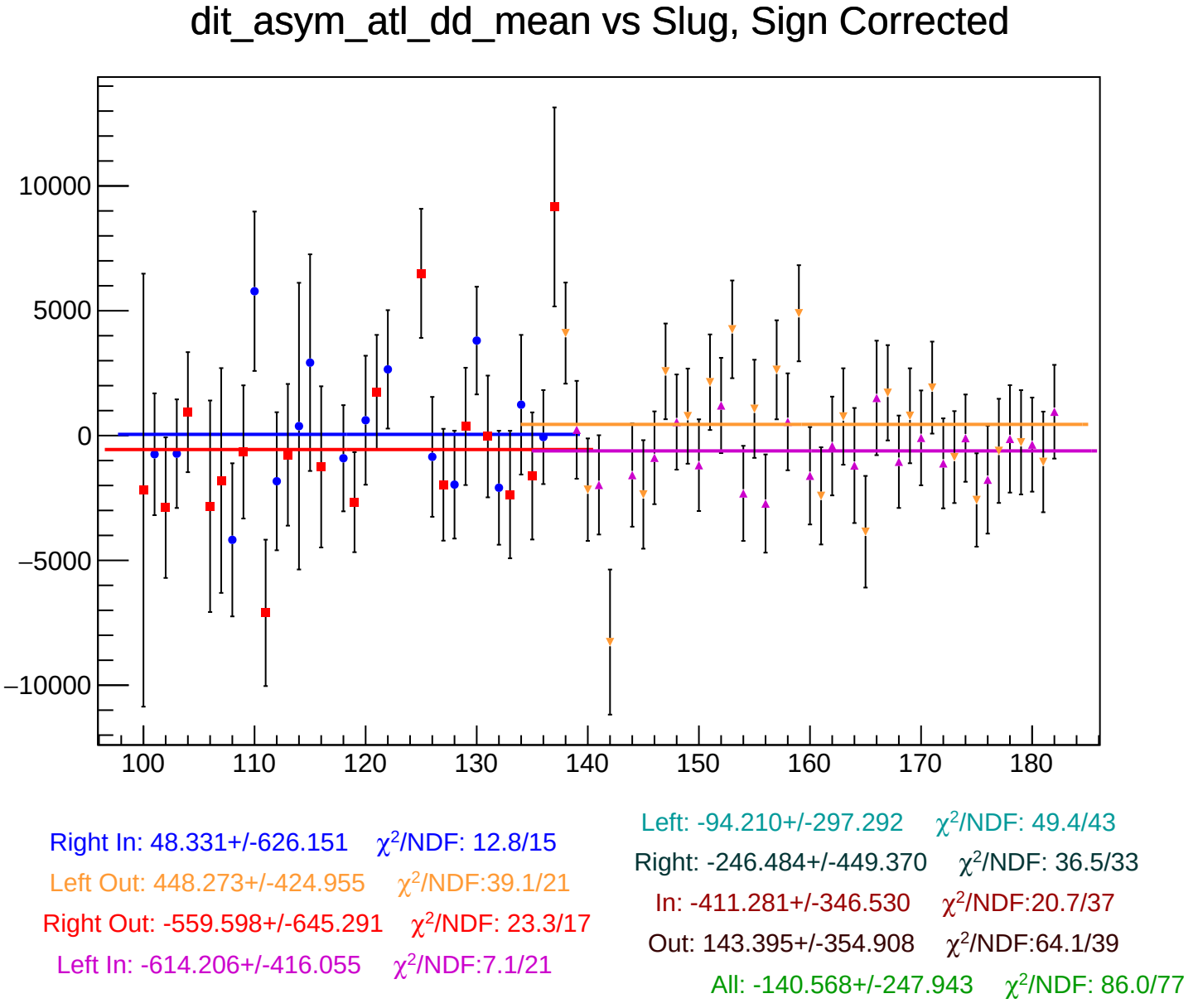
Left: 1103.383+/-0.231 χ^2/NDF: 49245861.5/44

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3304.416+/-0.498 χ^2/NDF:6203782.5/37

Out: 555.331+/-0.165 χ^2/NDF:39292500.1/41

All: 825.580+/-0.156 χ^2/NDF: 72921985.1/79


dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
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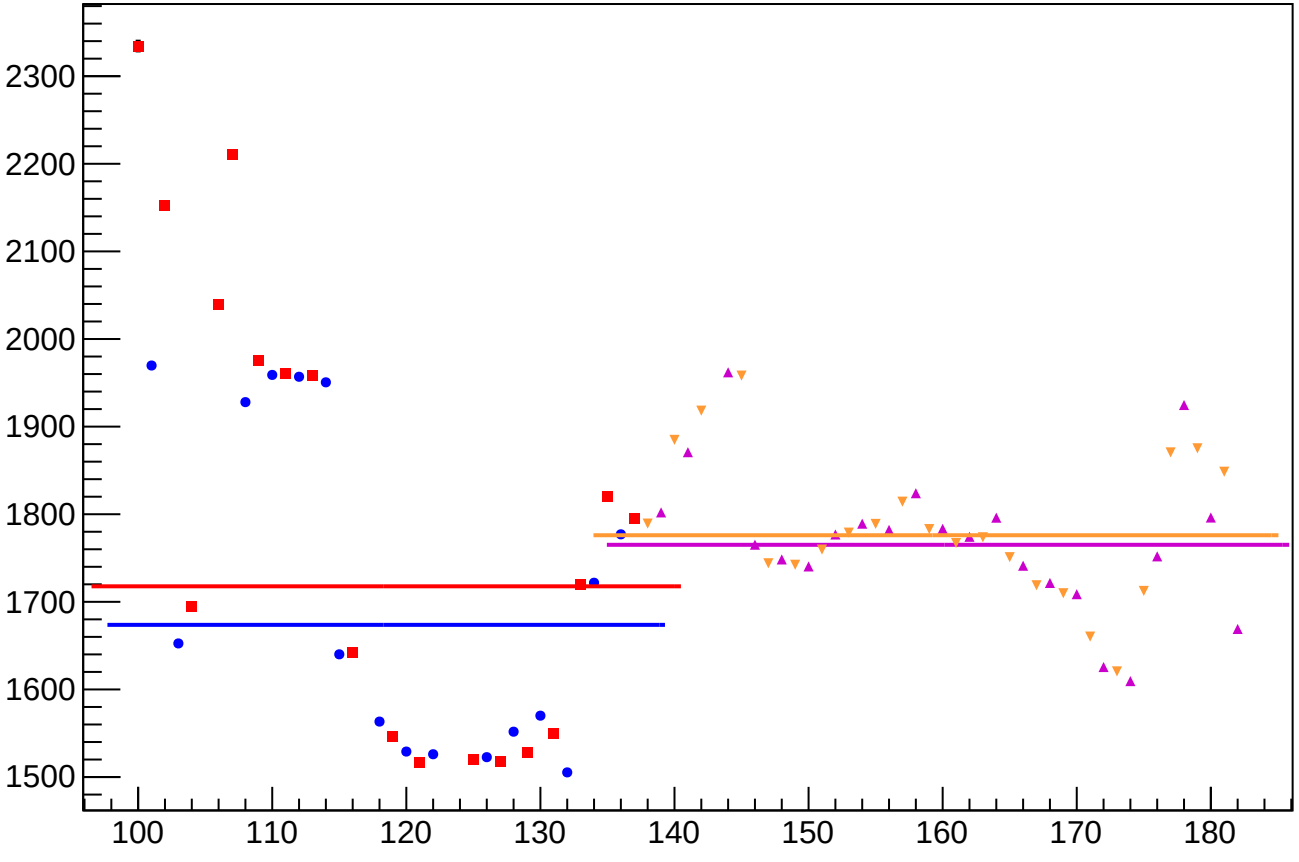
Right In: 48.331+/-626.151 χ²/NDF: 12.8/15
Left Out: 448.273+/-424.955 χ²/NDF:39.1/21
Right Out: -559.598+/-645.291 χ²/NDF: 23.3/17
Left In: -614.206+/-416.055 χ²/NDF:7.1/21
Left: -94.210+/-297.292 χ²/NDF: 49.4/43
Right: -246.484+/-449.370 χ²/NDF: 36.5/33
In: -411.281+/-346.530 χ²/NDF:20.7/37
Out: 143.395+/-354.908 χ²/NDF:64.1/39
All: -140.568+/-247.943 χ²/NDF: 86.0/77

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1776.020+/-0.300 χ^2/NDF:66896.6/21

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1765.095+/-0.294 χ^2/NDF:75726.9/21

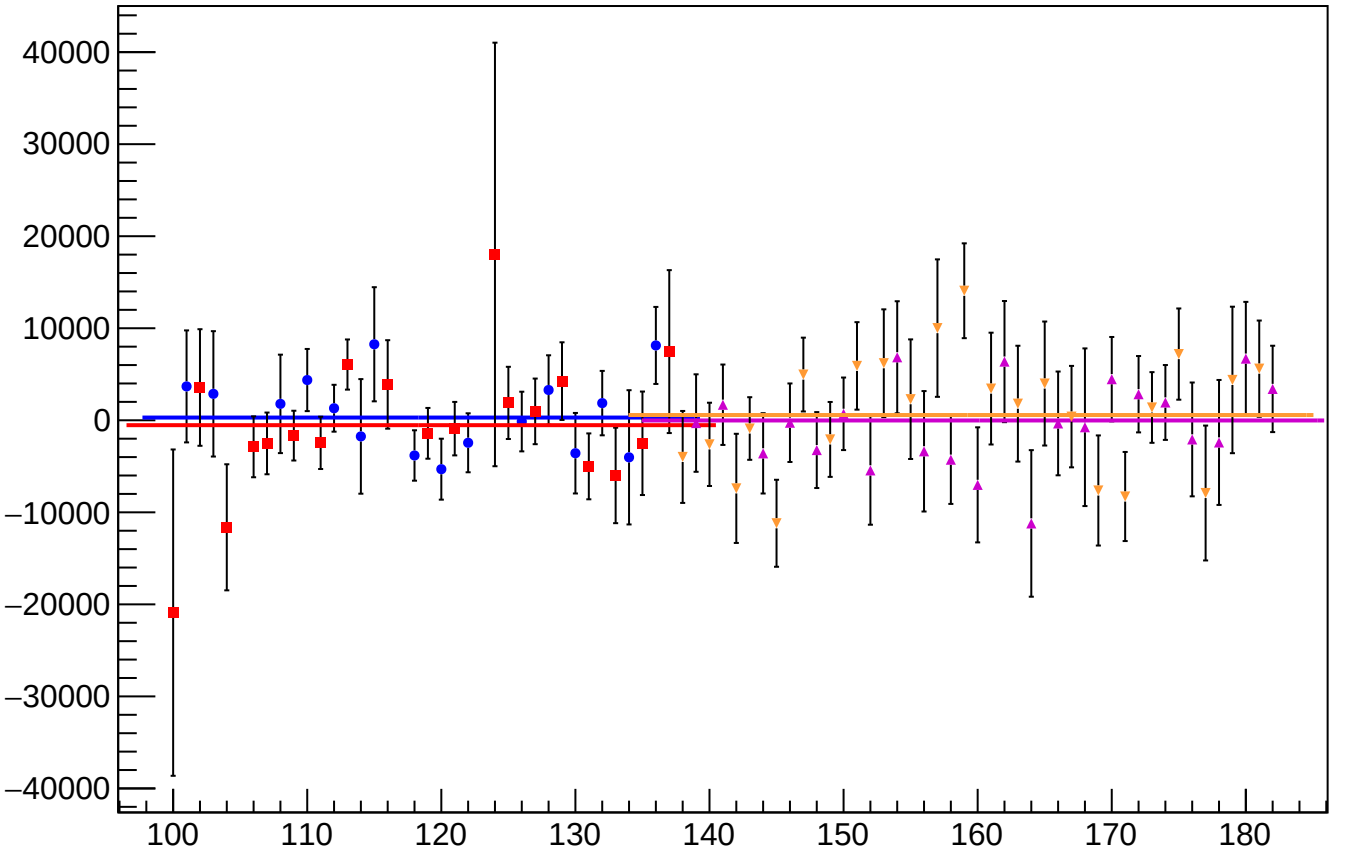
Left: 1770.441+/-0.210 χ^2/NDF: 143298.4/43

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1737.111+/-0.245 χ^2/NDF:246140.9/37

Out: 1758.325+/-0.251 χ^2/NDF:305964.7/39

All: 1747.472+/-0.175 χ^2/NDF: 555766.5/77



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 569.909+/-1065.186 χ^2/NDF:31.9/22

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -20.057+/-1093.497 χ^2/NDF:12.4/21

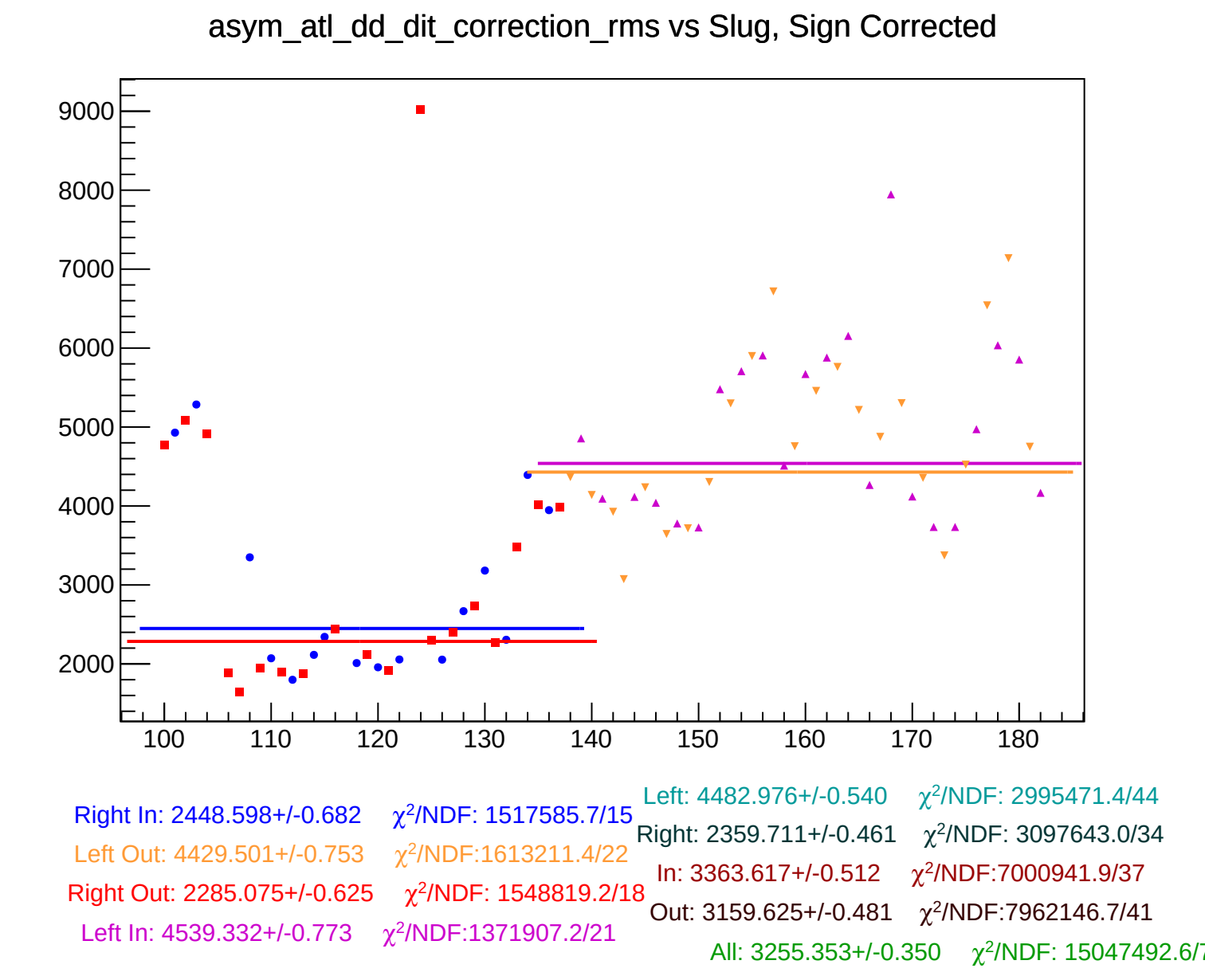
Left: 282.662+/-763.013 χ^2/NDF: 44.5/44

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 157.967+/-723.408 χ^2/NDF:27.7/37

Out: -82.026+/-680.240 χ^2/NDF:51.3/41

All: 30.596+/-495.561 χ^2/NDF: 79.1/79


asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected
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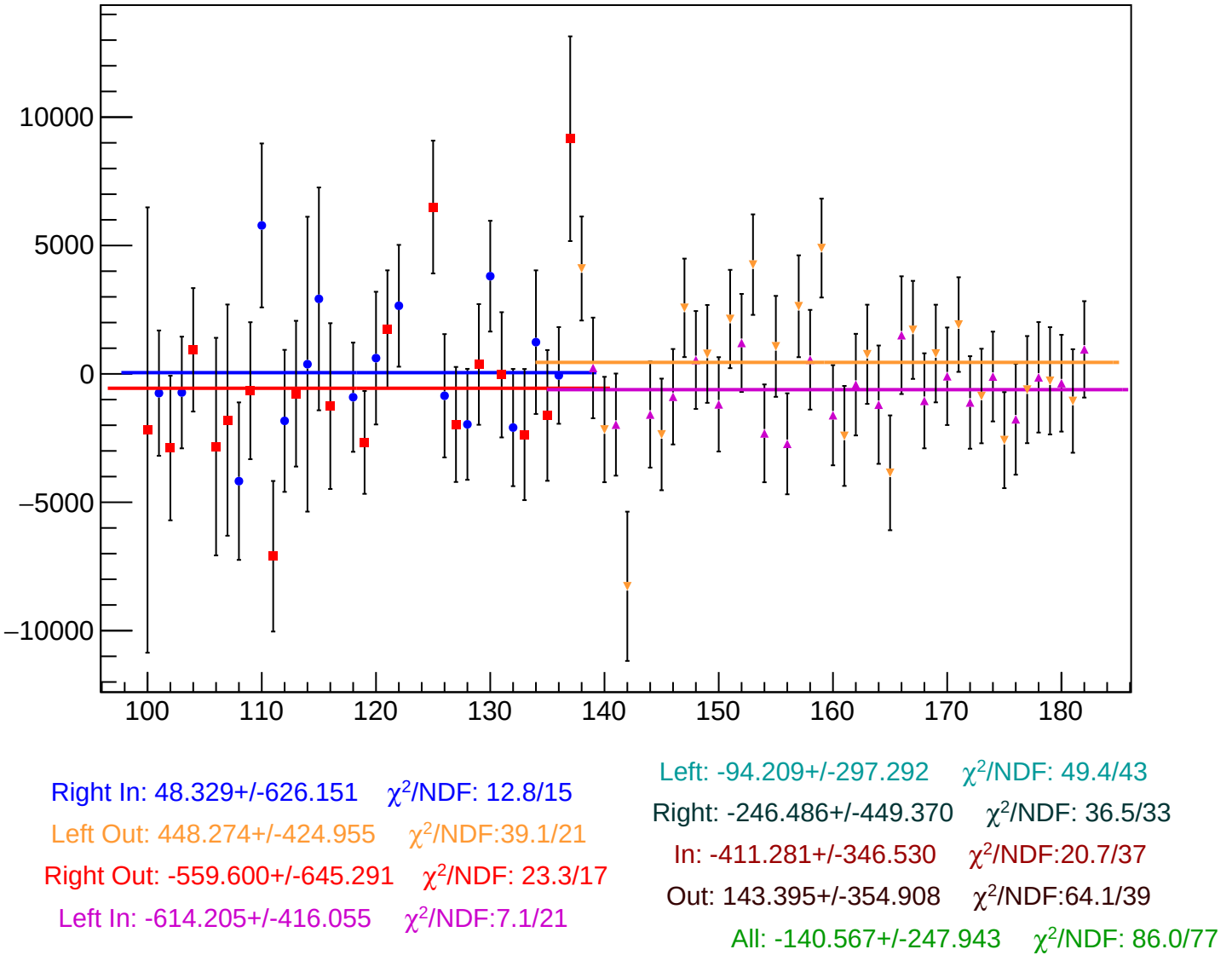
Right In: 2448.598+/-0.682 χ²/NDF: 1517585.7/15
Left Out: 4429.501+/-0.753 χ²/NDF:1613211.4/22
Right Out: 2285.075+/-0.625 χ²/NDF: 1548819.2/18
Left In: 4539.332+/-0.773 χ²/NDF:1371907.2/21
Left: 4482.976+/-0.540 χ²/NDF: 2995471.4/44
Right: 2359.711+/-0.461 χ²/NDF: 3097643.0/34
In: 3363.617+/-0.512 χ²/NDF:7000941.9/37
Out: 3159.625+/-0.481 χ²/NDF:7962146.7/41
All: 3255.353+/-0.350 χ²/NDF: 15047492.6/7


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
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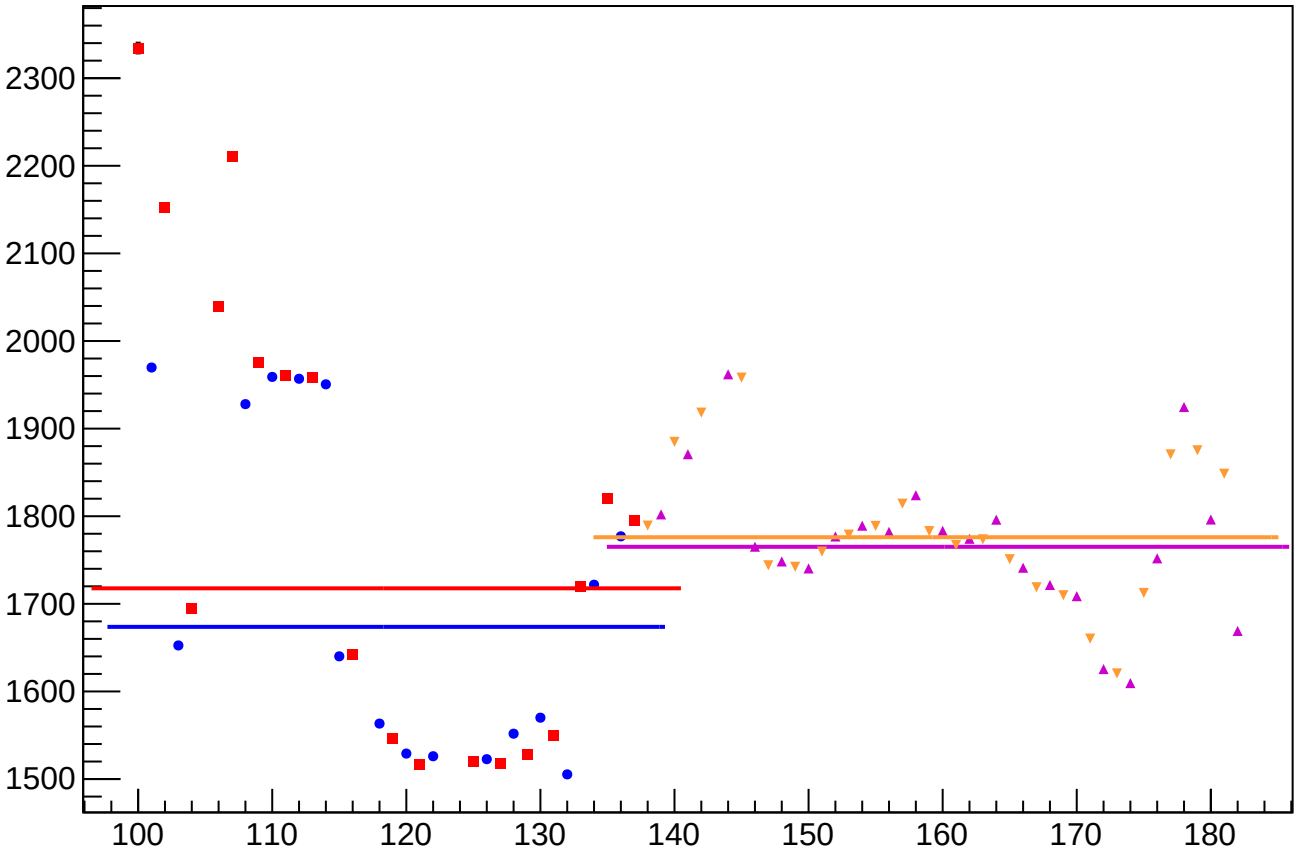
Right In: 48.329+/-626.151 χ²/NDF: 12.8/15
Left Out: 448.274+/-424.955 χ²/NDF:39.1/21
Right Out: -559.600+/-645.291 χ²/NDF: 23.3/17
Left In: -614.205+/-416.055 χ²/NDF:7.1/21
Left: -94.209+/-297.292 χ²/NDF: 49.4/43
Right: -246.486+/-449.370 χ²/NDF: 36.5/33
In: -411.281+/-346.530 χ²/NDF:20.7/37
Out: 143.395+/-354.908 χ²/NDF:64.1/39
All: -140.567+/-247.943 χ²/NDF: 86.0/77



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1776.021+/-0.300 χ^2/NDF:66899.8/21

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1765.096+/-0.294 χ^2/NDF:75729.6/21

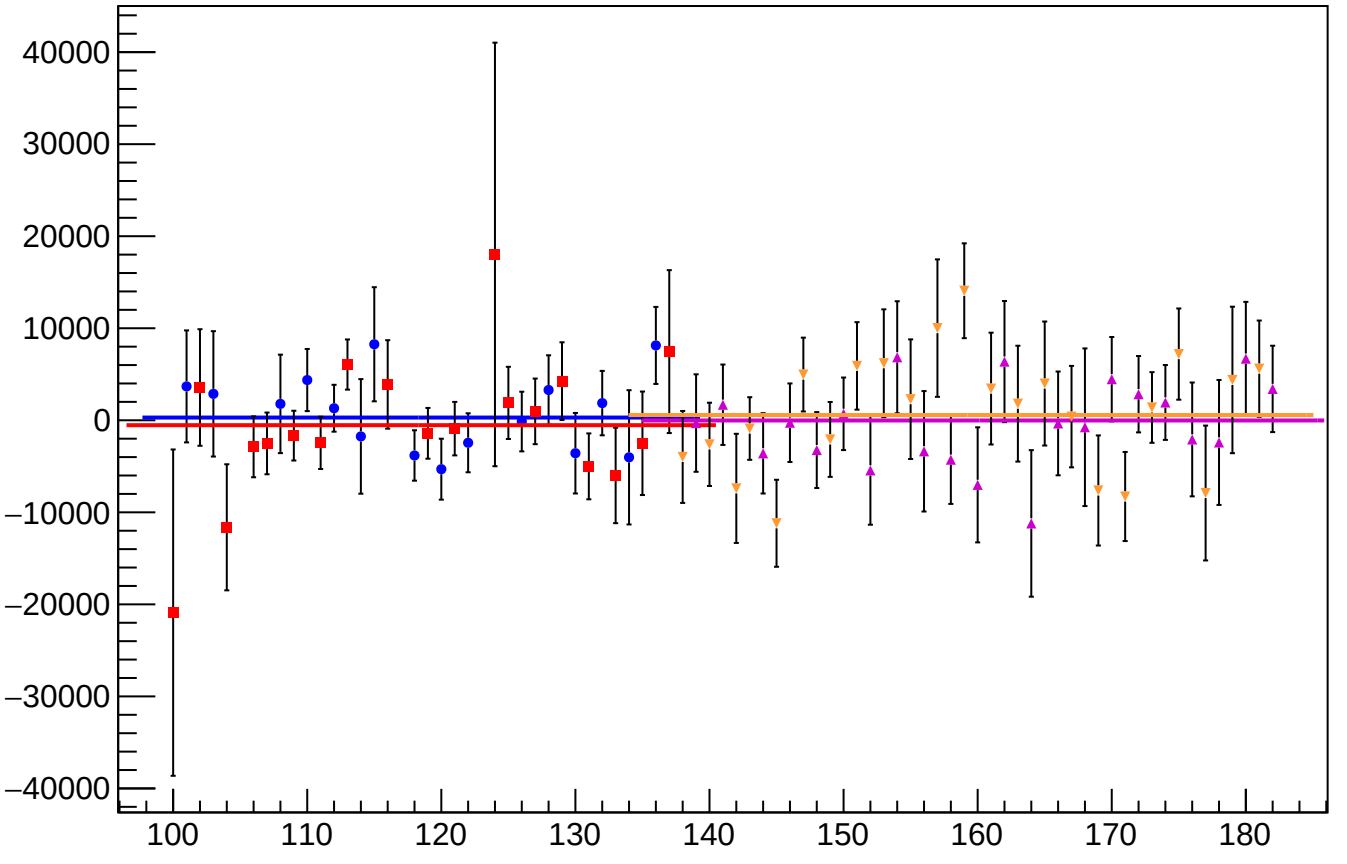
Left: 1770.442+/-0.210 χ^2/NDF: 143304.4/43

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1737.111+/-0.245 χ^2/NDF:246144.4/37

Out: 1758.326+/-0.251 χ^2/NDF:305967.6/39

All: 1747.473+/-0.175 χ^2/NDF: 555773.0/77



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 569.913+/-1065.187 χ^2/NDF:31.9/22

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -20.057+/-1093.499 χ^2/NDF:12.4/21

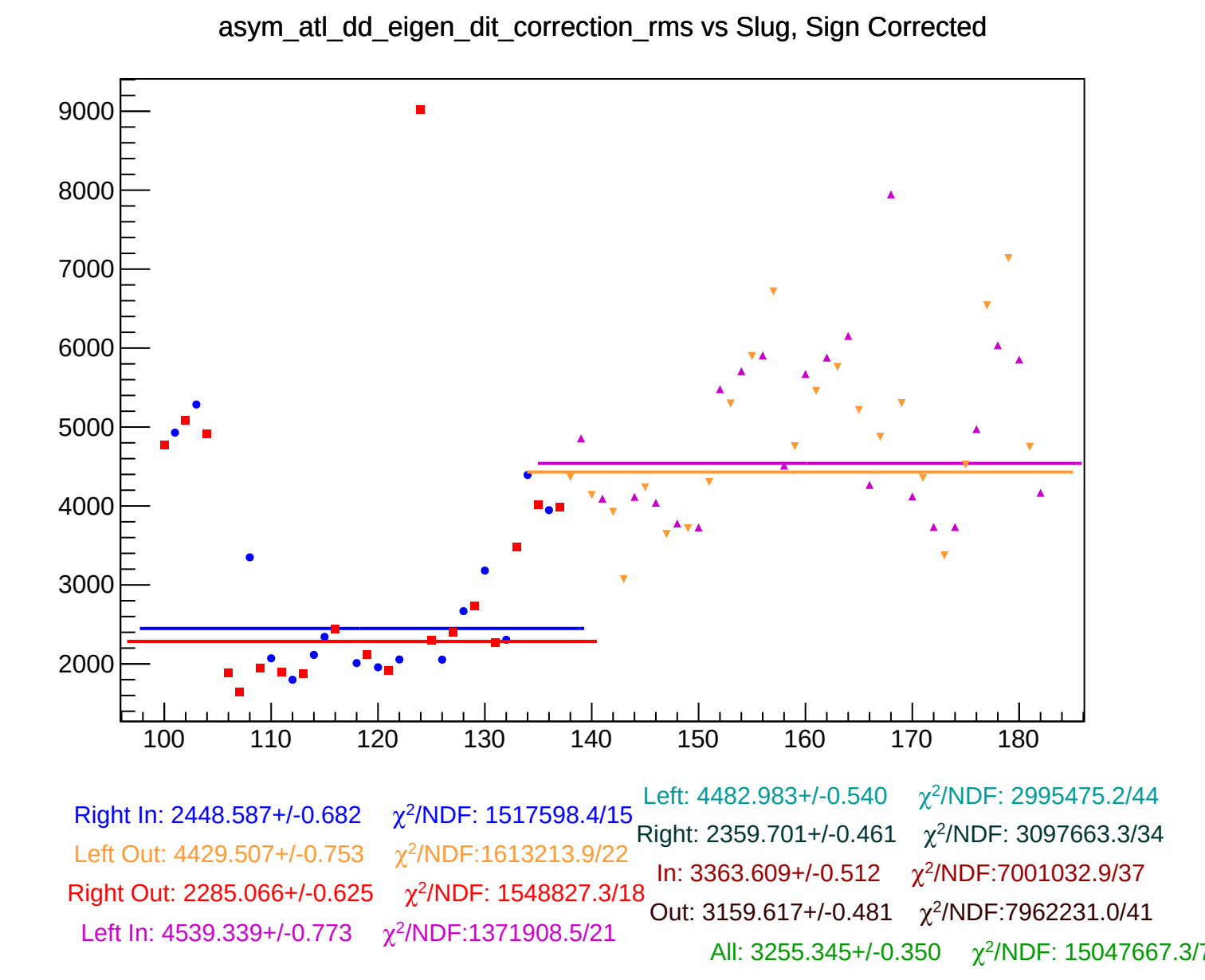
Left: 282.665+/-763.014 χ^2/NDF: 44.5/44

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 157.964+/-723.407 χ^2/NDF:27.7/37

Out: -82.028+/-680.239 χ^2/NDF:51.3/41

All: 30.594+/-495.560 χ^2/NDF: 79.1/79


asym_atl_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
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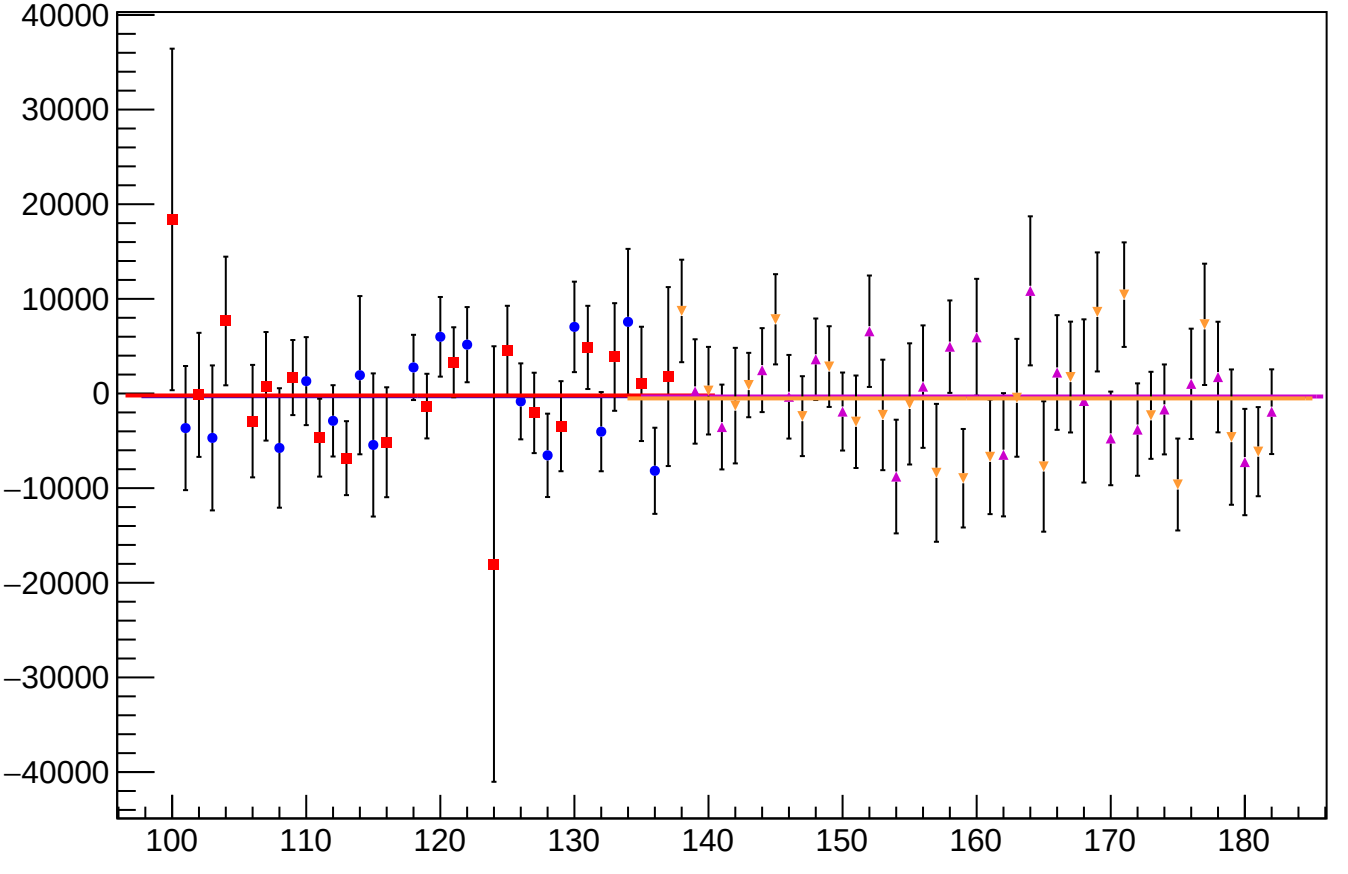
Right In: 2448.587+/-0.682 χ²/NDF: 1517598.4/15
Left Out: 4429.507+/-0.753 χ²/NDF:1613213.9/22
Right Out: 2285.066+/-0.625 χ²/NDF: 1548827.3/18
Left In: 4539.339+/-0.773 χ²/NDF:1371908.5/21
Left: 4482.983+/-0.540 χ²/NDF: 2995475.2/44
Right: 2359.701+/-0.461 χ²/NDF: 3097663.3/34
In: 3363.609+/-0.512 χ²/NDF:7001032.9/37
Out: 3159.617+/-0.481 χ²/NDF:7962231.0/41
All: 3255.345+/-0.350 χ²/NDF: 15047667.3/7

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -520.028+/-1090.711 χ^2/NDF:26.4/22

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: -317.143+/-1122.264 χ^2/NDF:13.8/21

Left: -421.478+/-782.166 χ^2/NDF: 40.2/44

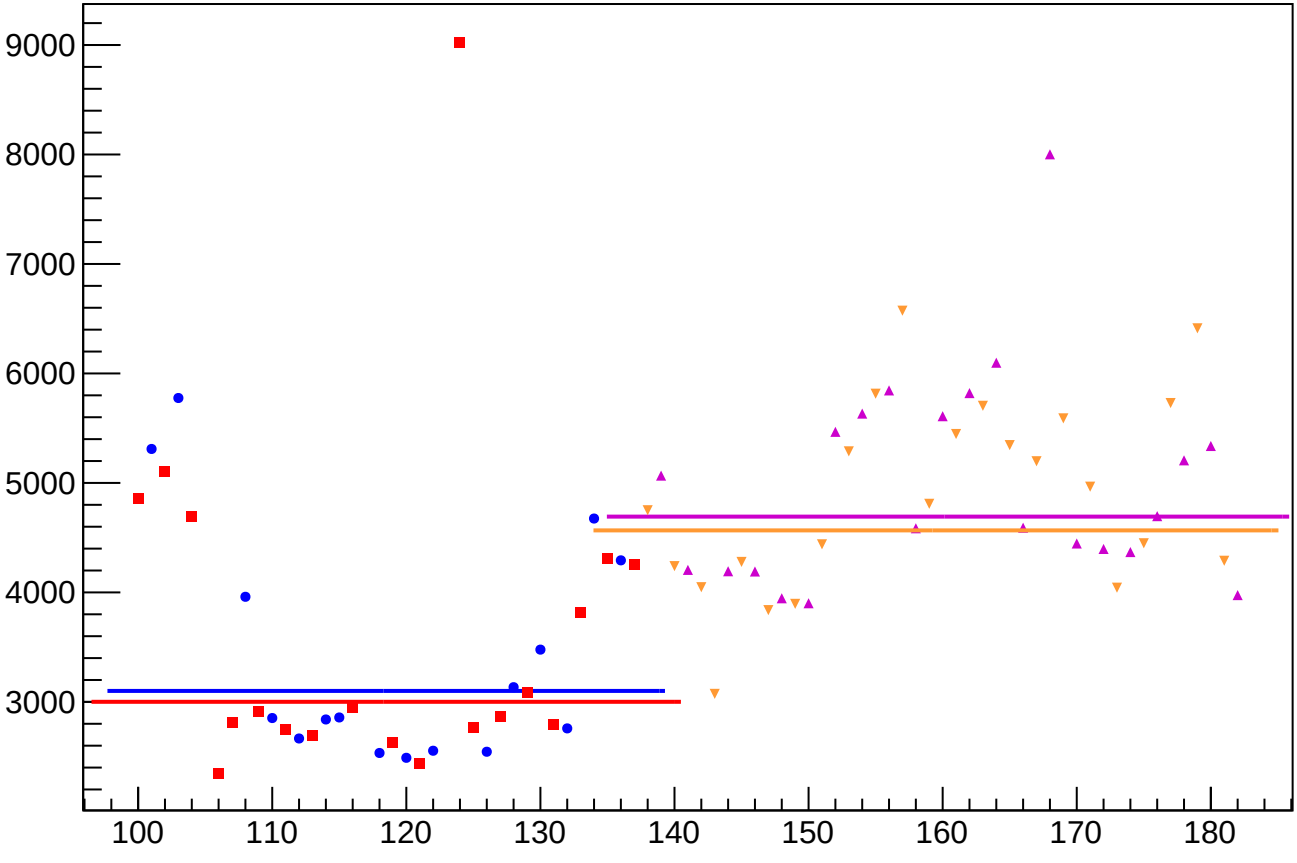
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -303.175+/-818.816 χ^2/NDF:30.4/37

Out: -373.465+/-792.596 χ^2/NDF:39.3/41

All: -339.463+/-569.494 χ^2/NDF: 69.7/79

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4566.445+/-0.771 χ^2/NDF:1247120.3/22

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4692.292+/-0.794 χ^2/NDF:943585.7/21

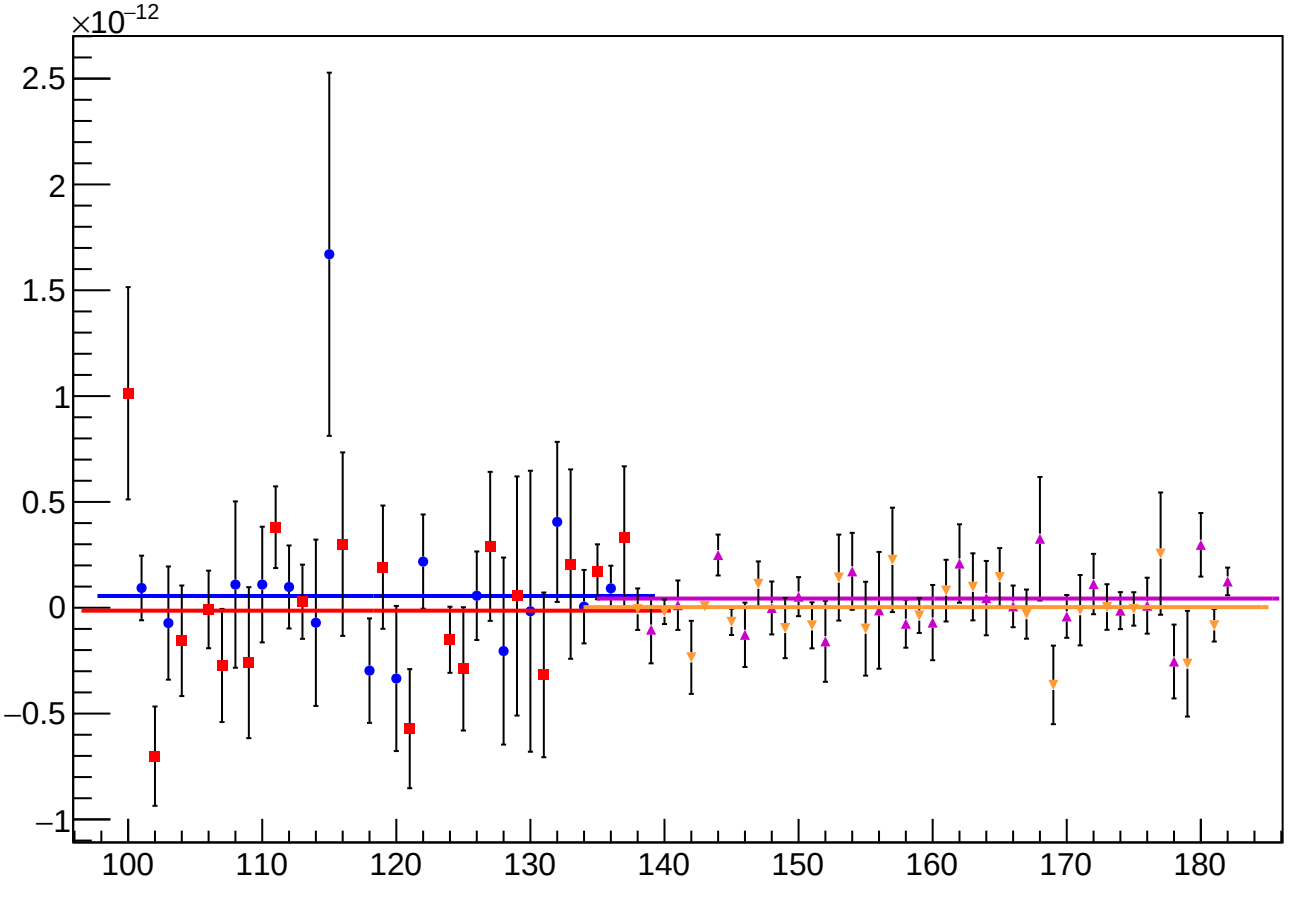
Left: 4627.575+/-0.553 χ^2/NDF: 2203639.2/44

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3947.689+/-0.579 χ^2/NDF:3789823.5/37

Out: 3816.919+/-0.557 χ^2/NDF:4026620.0/41

All: 3879.755+/-0.401 χ^2/NDF: 7842943.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.4/22

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:20.6/21

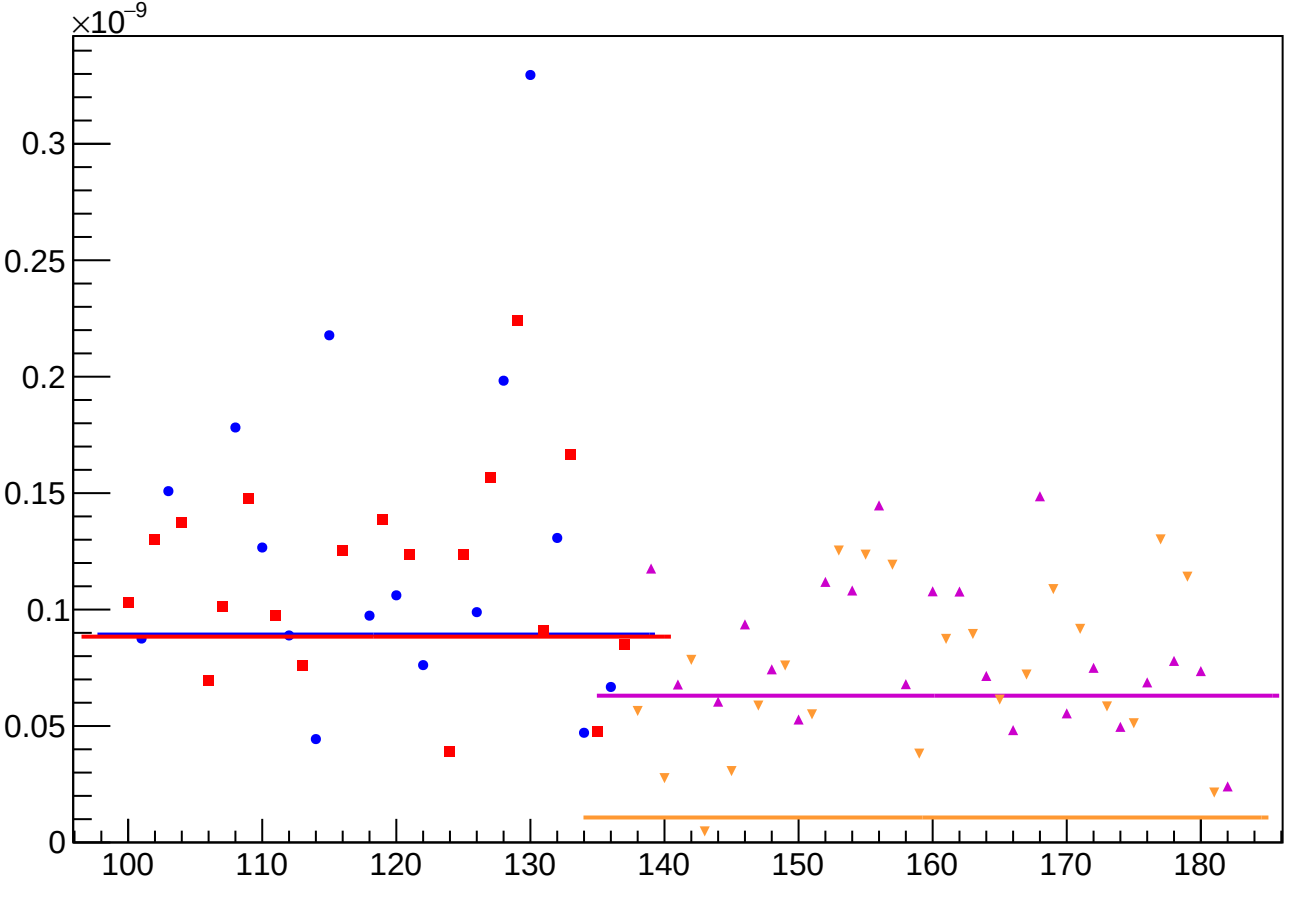
Left: 0.000+/-0.000 χ^2/NDF: 39.1/44

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:30.0/37

Out: 0.000+/-0.000 χ^2/NDF:46.5/41

All: 0.000+/-0.000 χ^2/NDF: 79.4/79



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9496193.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2070688.7/21

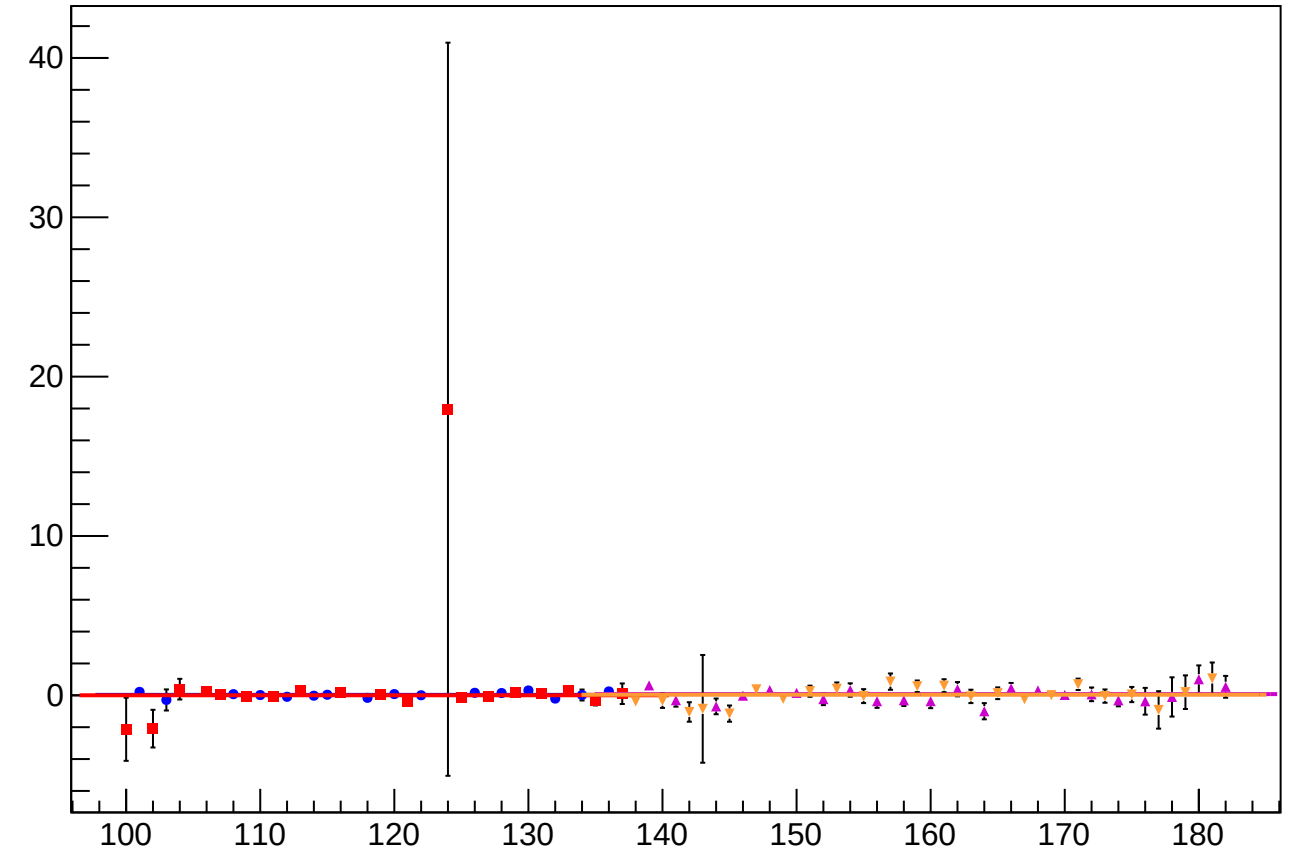
Left: 0.000+/-0.000 χ^2/NDF: 18759408.4/44

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:3375343.0/37

Out: 0.000+/-0.000 χ^2/NDF:14303297.6/41

All: 0.000+/-0.000 χ^2/NDF: 27283886.3/79



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.040+/-0.078 χ^2/NDF:28.0/22

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.077+/-0.076 χ^2/NDF:24.1/21

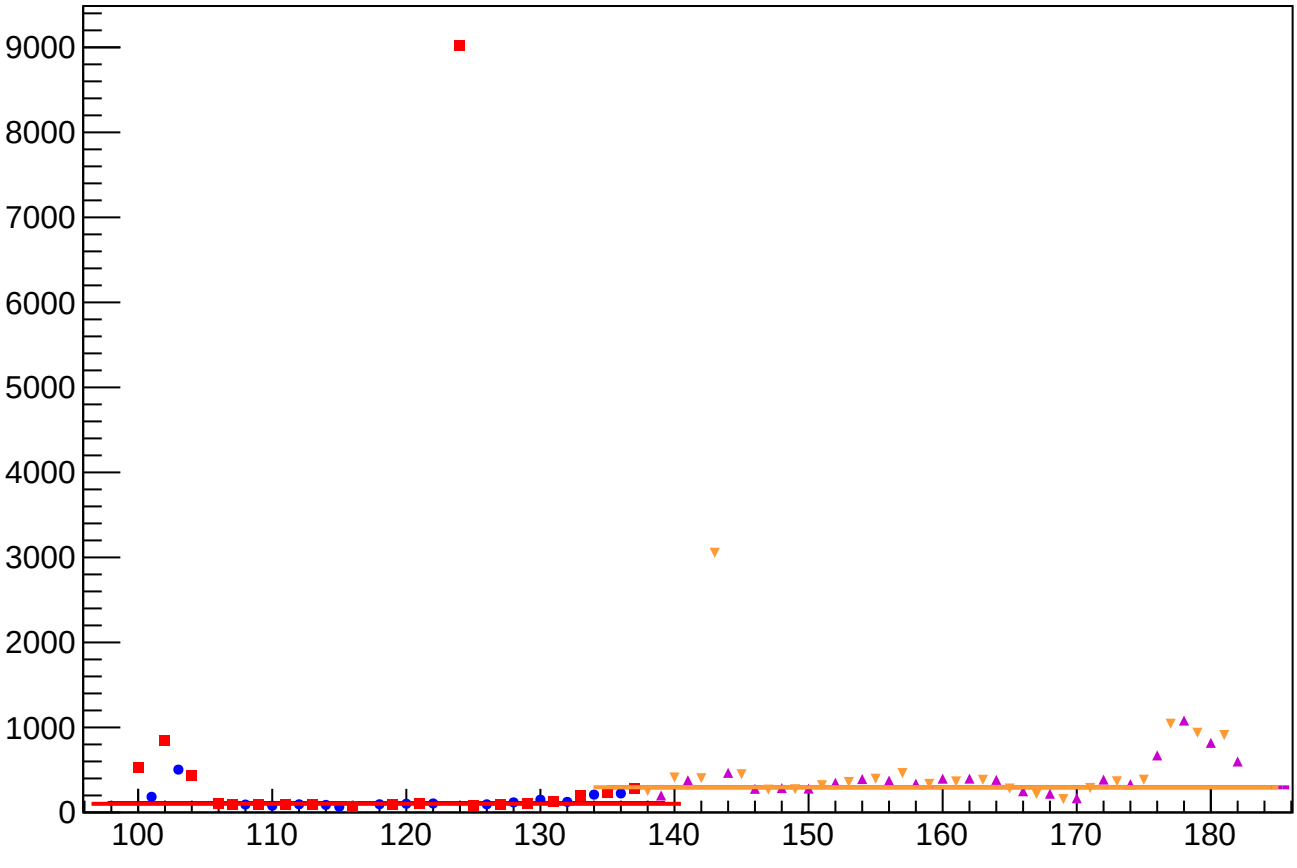
Left: 0.059+/-0.054 χ^2/NDF: 52.2/44

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.041+/-0.039 χ^2/NDF:33.3/37

Out: 0.012+/-0.038 χ^2/NDF:50.6/41

All: 0.026+/-0.027 χ^2/NDF: 84.1/79



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 296.552+/-0.055 χ^2/NDF:6215717.5/22

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 295.457+/-0.054 χ^2/NDF:4801804.5/21

Left: 295.992+/-0.038 χ^2/NDF: 11017725.1/44

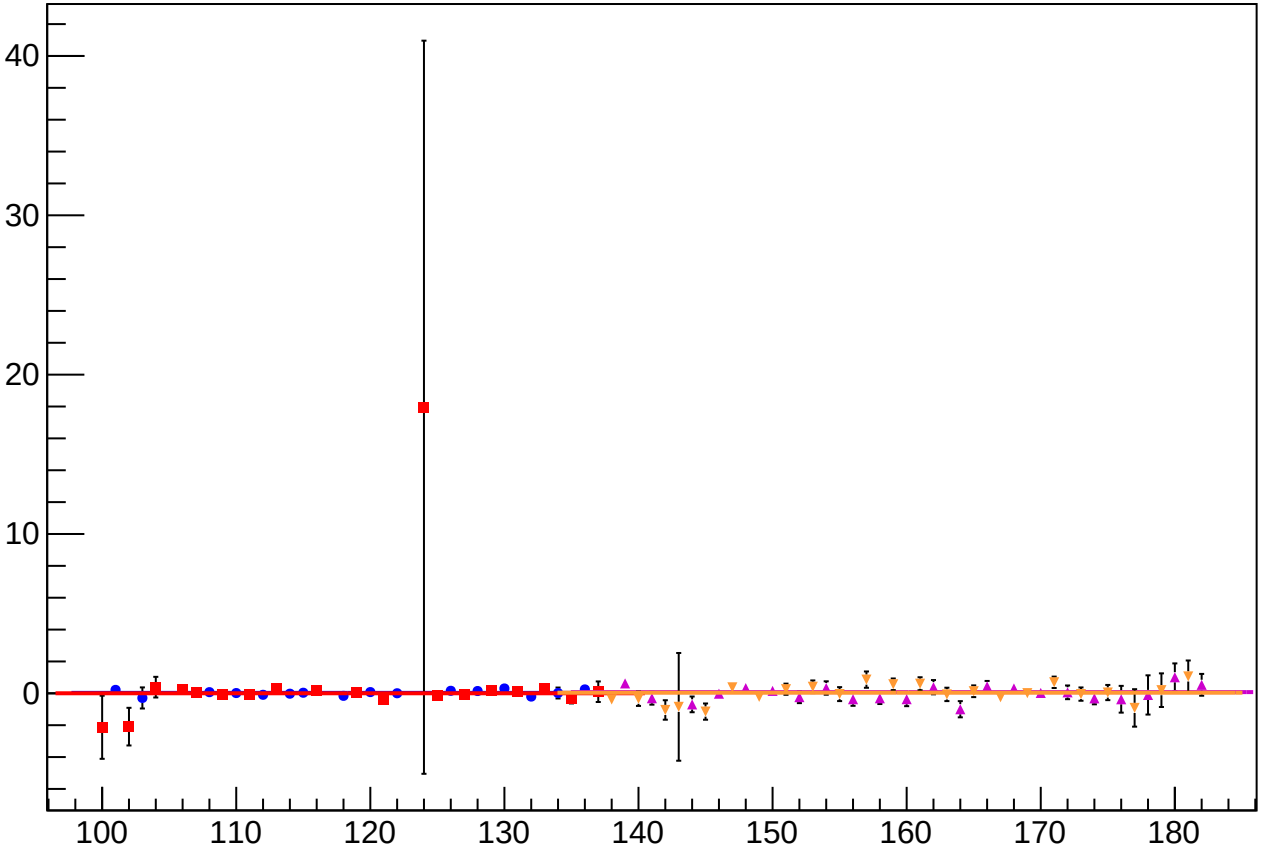
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 158.640+/-0.028 χ^2/NDF:15526495.1/37

Out: 148.136+/-0.027 χ^2/NDF:18386873.7/41

All: 153.246+/-0.019 χ^2/NDF: 33988231.3/79

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: 0.040+/-0.078 χ^2/NDF:28.0/22

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.077+/-0.076 χ^2/NDF:24.1/21

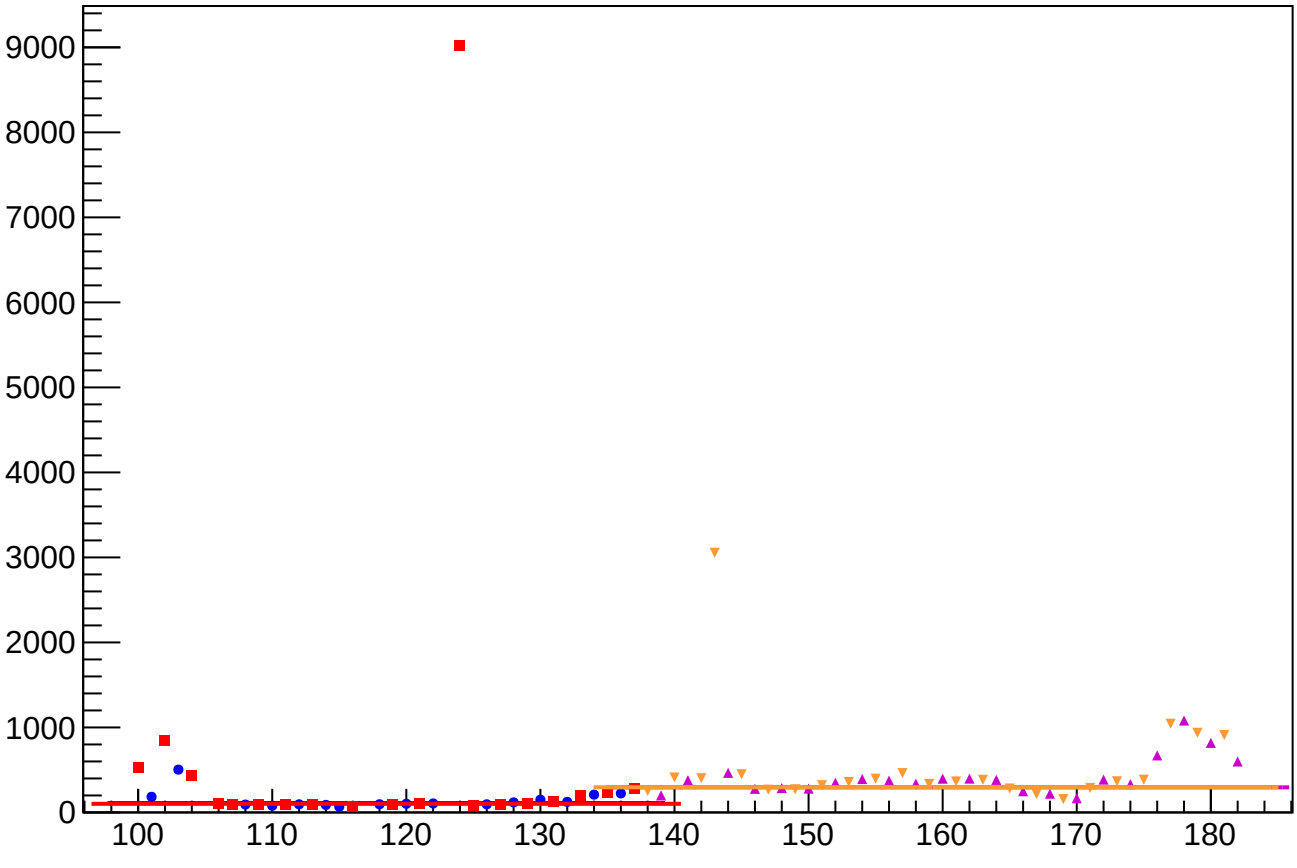
Left: 0.059+/-0.054 χ^2/NDF: 52.2/44

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.041+/-0.039 χ^2/NDF:33.3/37

Out: 0.012+/-0.038 χ^2/NDF:50.6/41

All: 0.026+/-0.027 χ^2/NDF: 84.1/79



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 296.552+/-0.055 χ^2/NDF:6215717.5/22

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 295.457+/-0.054 χ^2/NDF:4801804.5/21

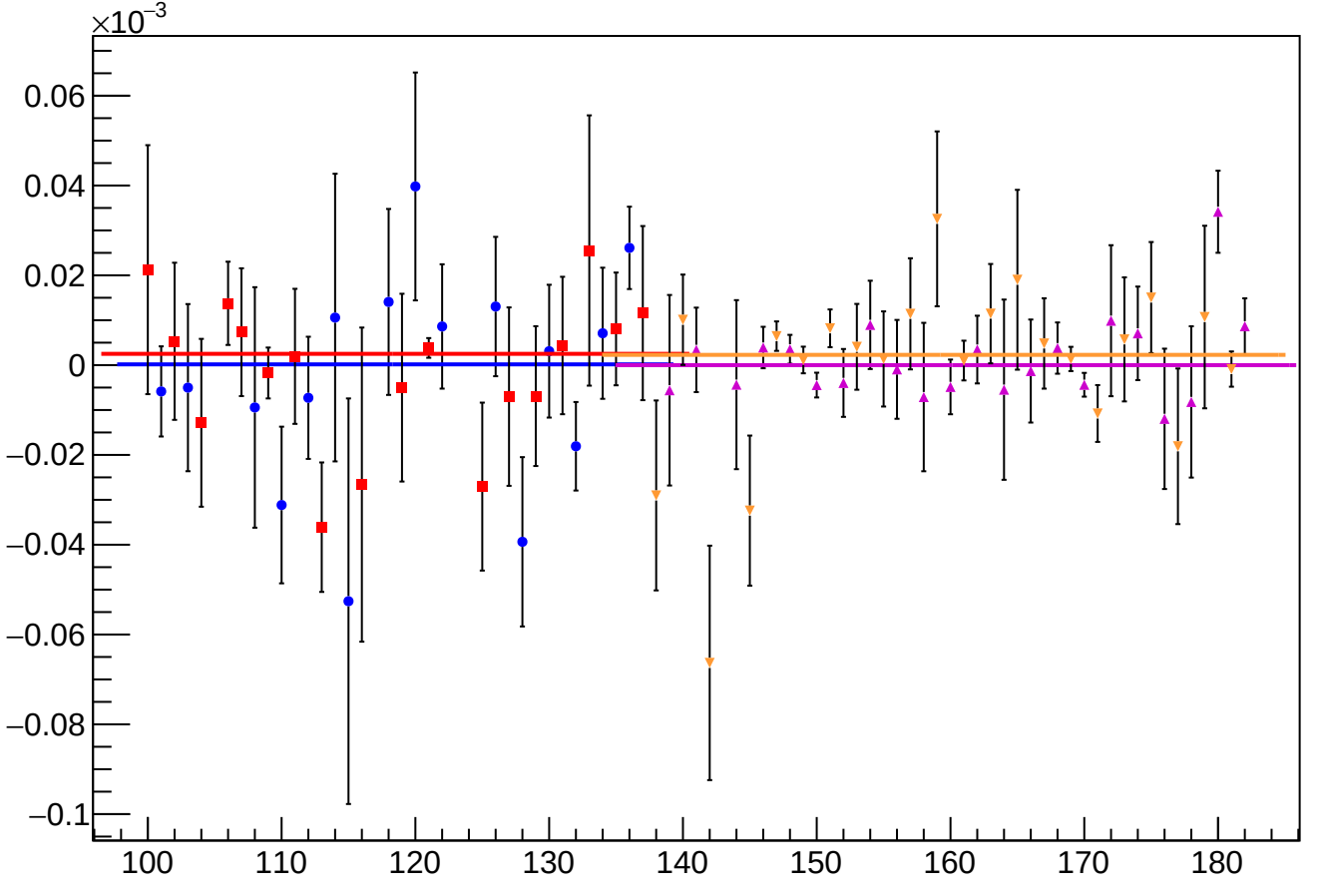
Left: 295.992+/-0.038 χ^2/NDF: 11017725.1/44

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 158.640+/-0.028 χ^2/NDF:15526495.1/37

Out: 148.136+/-0.027 χ^2/NDF:18386873.7/41

All: 153.246+/-0.019 χ^2/NDF: 33988231.3/79



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:27.7/21

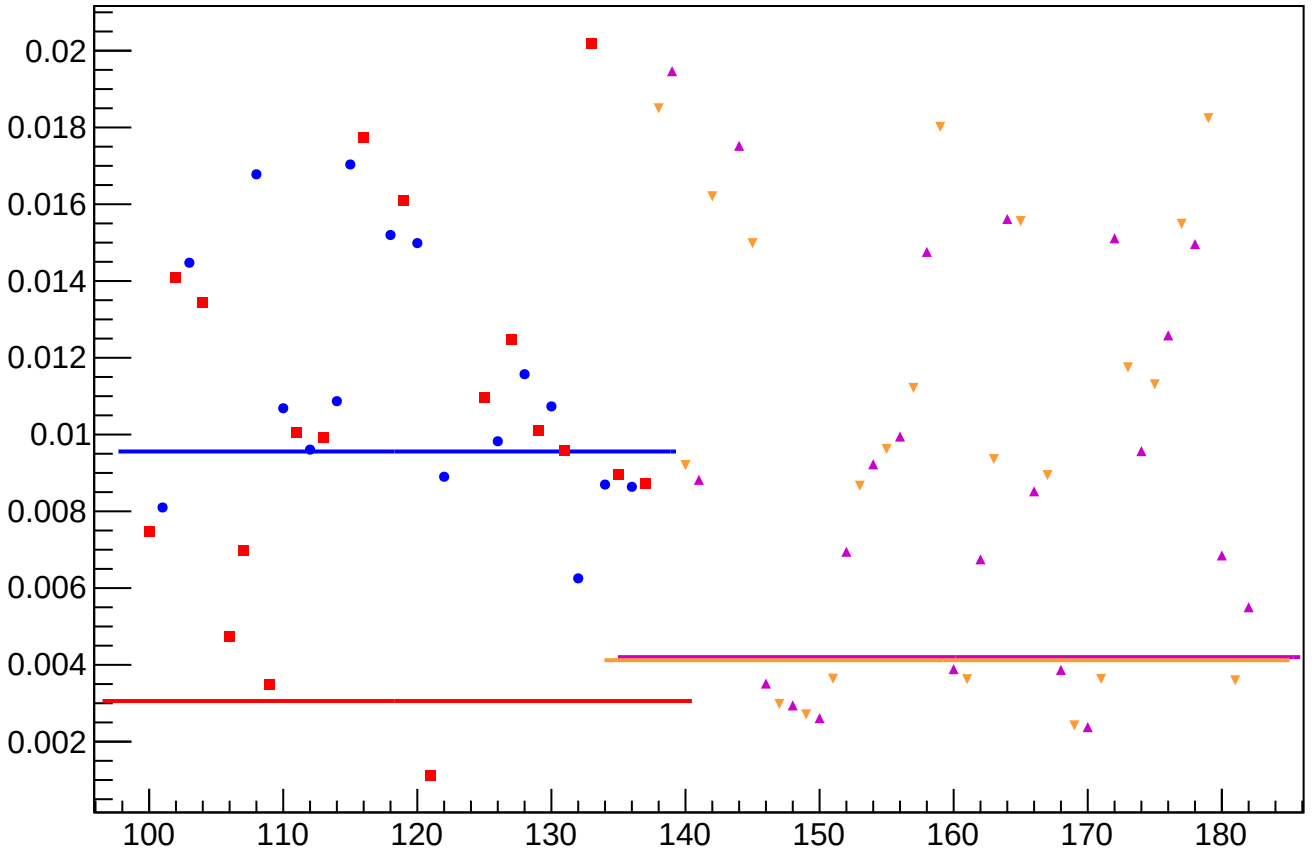
Left: 0.000+/-0.000 χ^2/NDF: 59.3/43

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: 0.000+/-0.000 χ^2/NDF:53.3/37

Out: 0.000+/-0.000 χ^2/NDF:45.8/39

All: 0.000+/-0.000 χ^2/NDF: 101.2/77



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:11630869.8/21

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:10817997.5/21

Left: 0.004+/-0.000 χ^2/NDF: 22452835.5/43

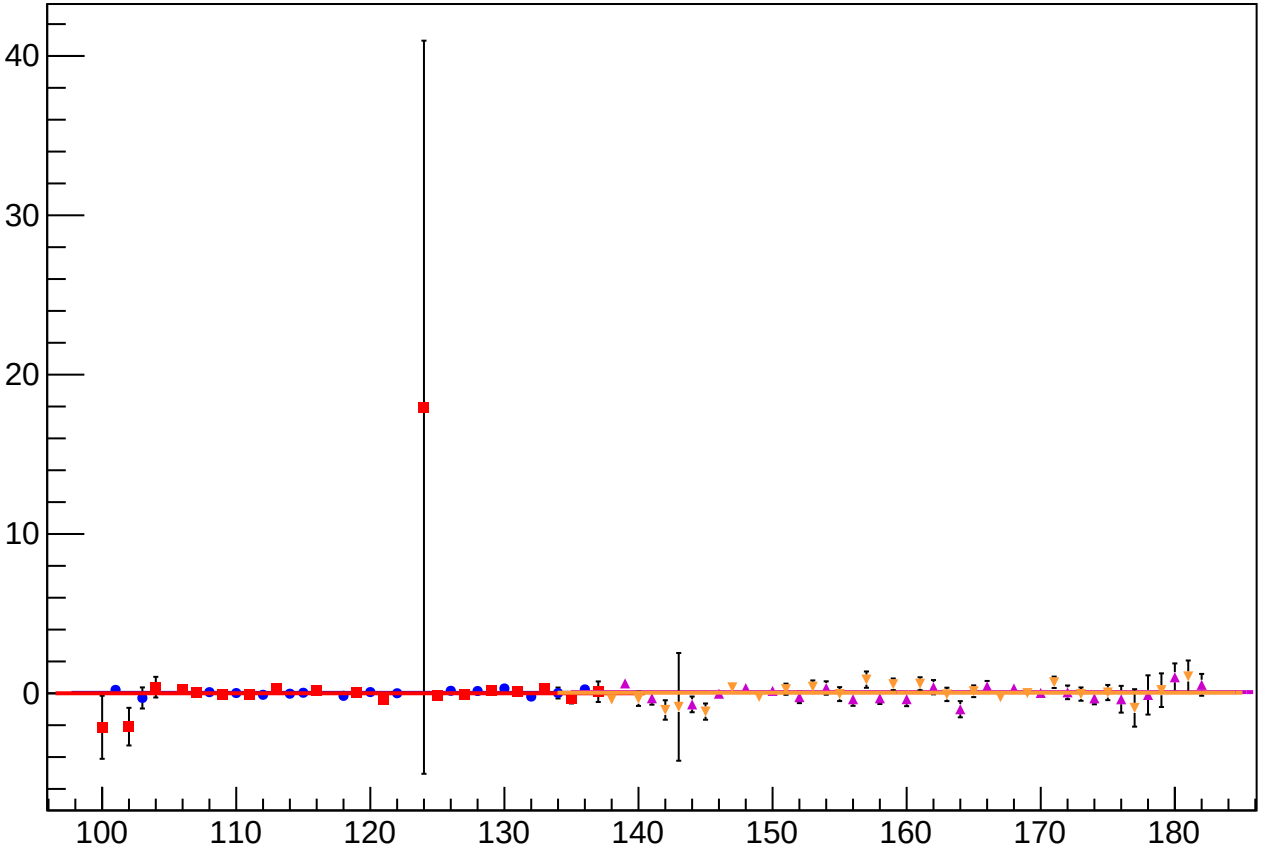
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:15438033.7/37

Out: 0.004+/-0.000 χ^2/NDF:20211044.3/39

All: 0.004+/-0.000 χ^2/NDF: 36411475.7/77

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: 0.040+/-0.078 χ^2/NDF:28.0/22

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.077+/-0.076 χ^2/NDF:24.1/21

Left: 0.059+/-0.054 χ^2/NDF: 52.2/44

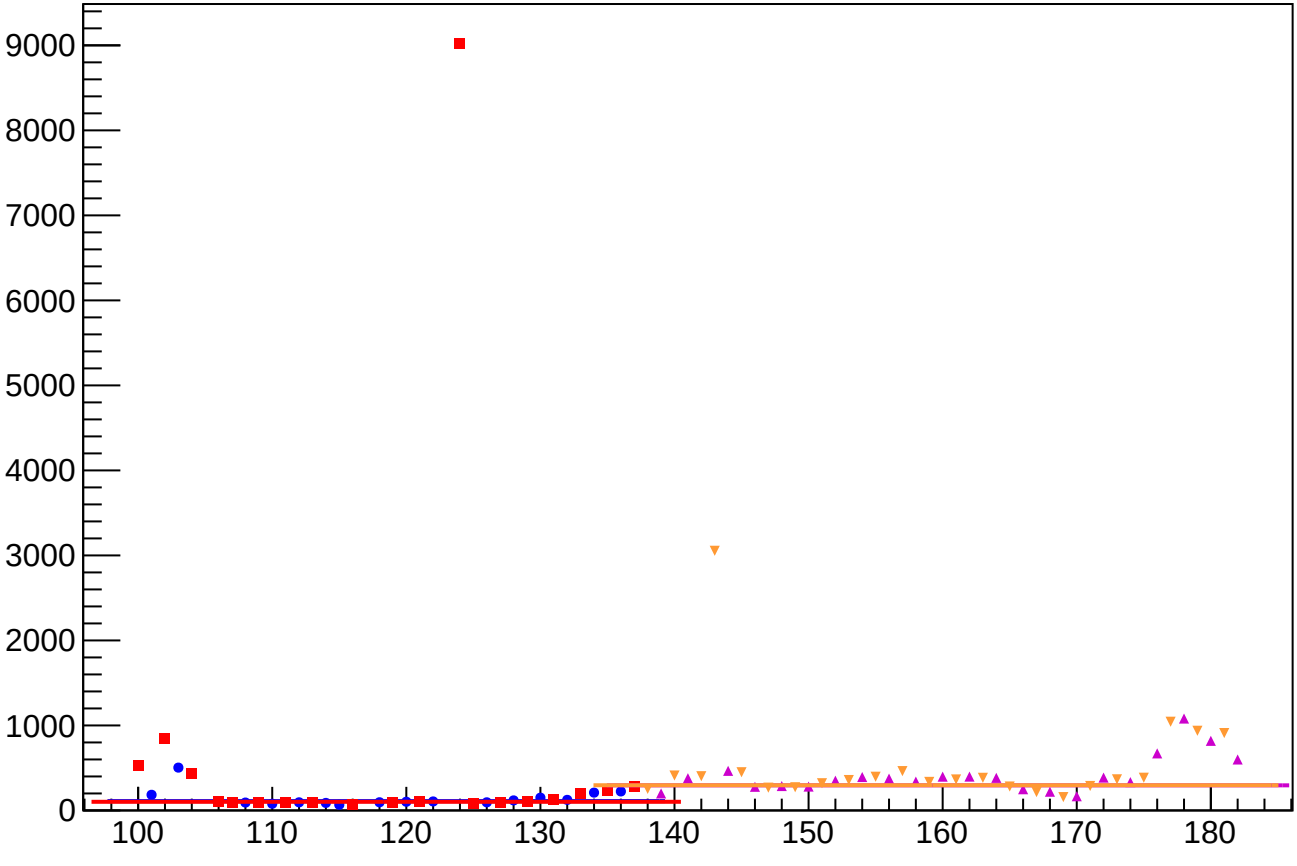
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.041+/-0.039 χ^2/NDF:33.3/37

Out: 0.012+/-0.038 χ^2/NDF:50.6/41

All: 0.026+/-0.027 χ^2/NDF: 84.1/79

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: 296.553+/-0.055 χ^2/NDF:6215771.6/22

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 295.460+/-0.054 χ^2/NDF:4801760.3/21

Left: 295.994+/-0.038 χ^2/NDF: 11017734.5/44

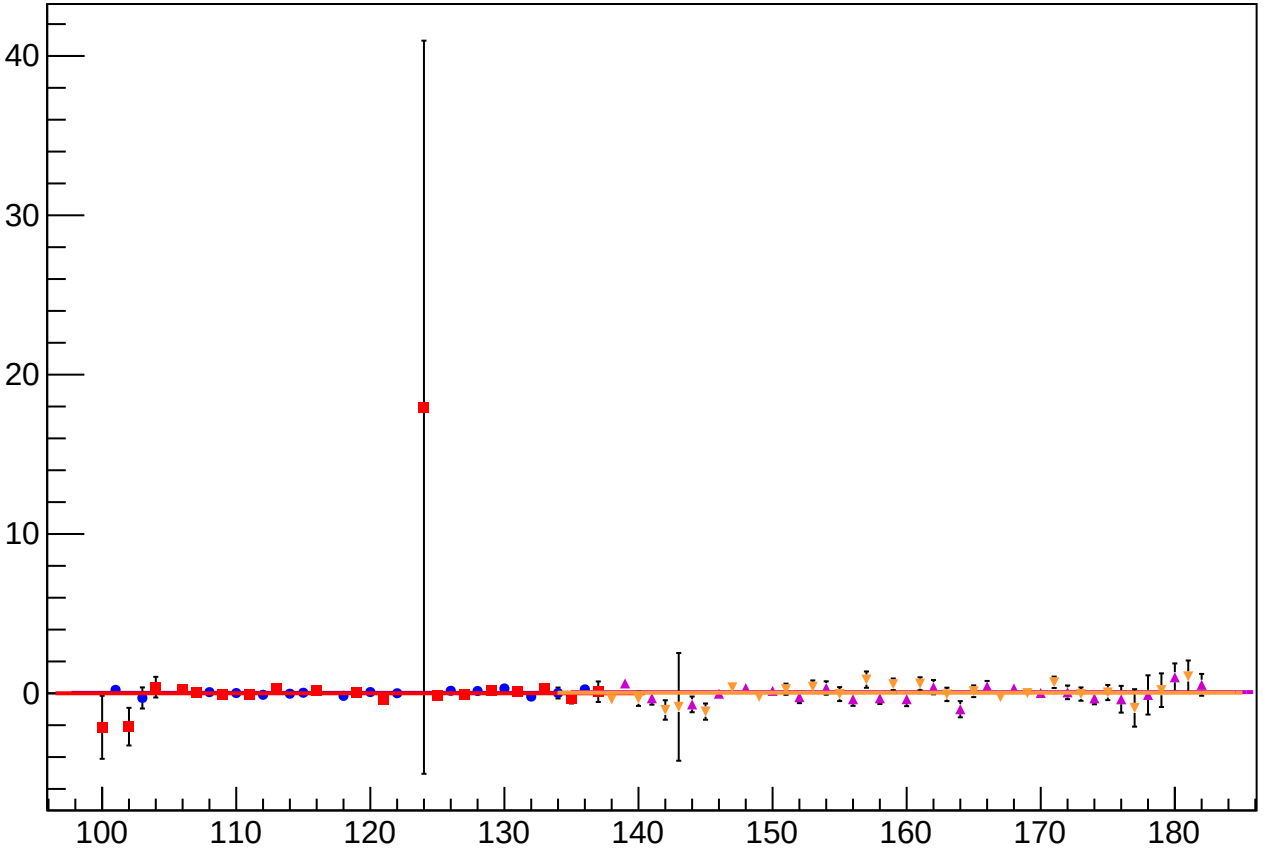
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 158.642+/-0.028 χ^2/NDF:15526437.9/37

Out: 148.138+/-0.027 χ^2/NDF:18386748.8/41

All: 153.247+/-0.019 χ^2/NDF: 33988043.4/79

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: 0.040+/-0.078 χ^2/NDF:28.0/22

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.077+/-0.076 χ^2/NDF:24.1/21

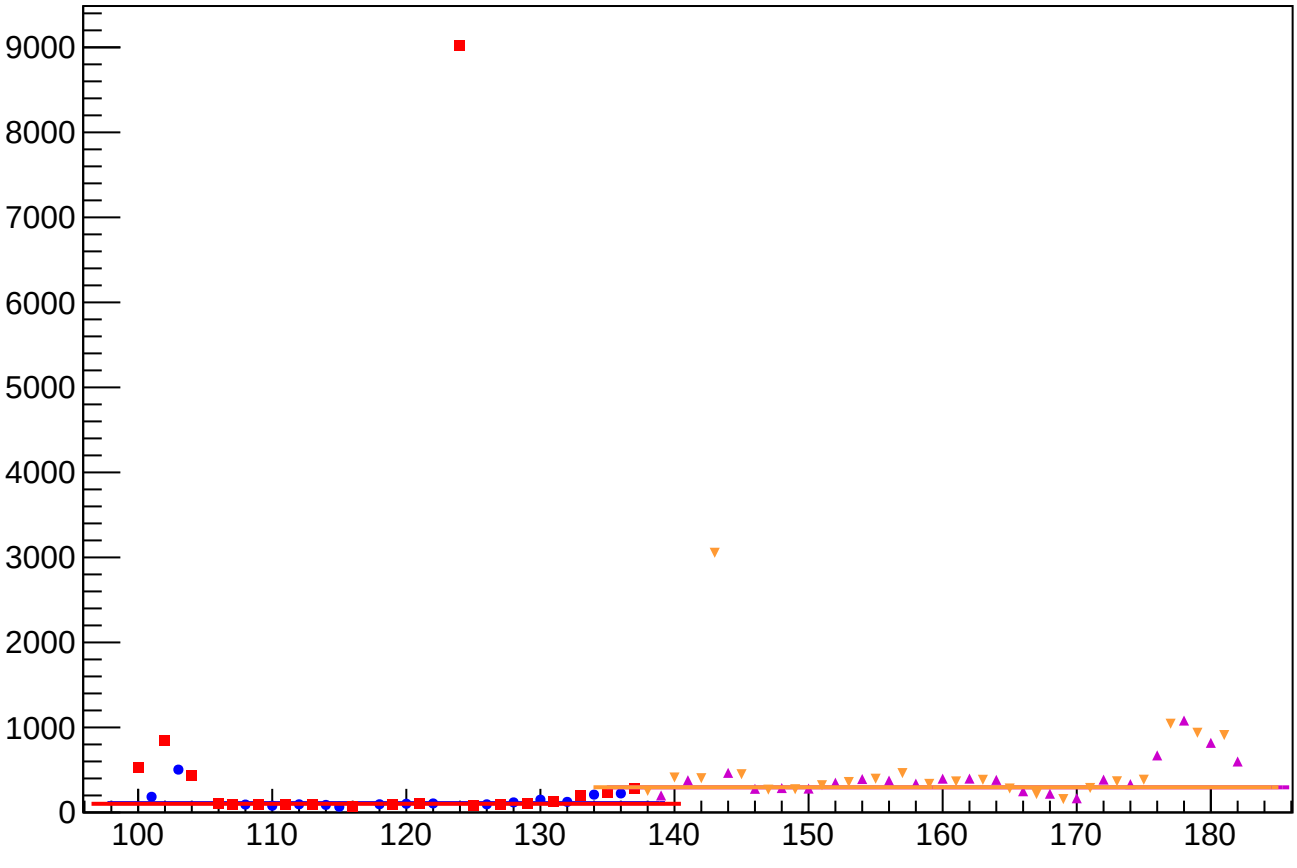
Left: 0.059+/-0.054 χ^2/NDF: 52.2/44

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.041+/-0.039 χ^2/NDF:33.3/37

Out: 0.012+/-0.038 χ^2/NDF:50.6/41

All: 0.026+/-0.027 χ^2/NDF: 84.1/79



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 296.553+/-0.055 χ^2/NDF:6215771.6/22

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 295.460+/-0.054 χ^2/NDF:4801760.3/21

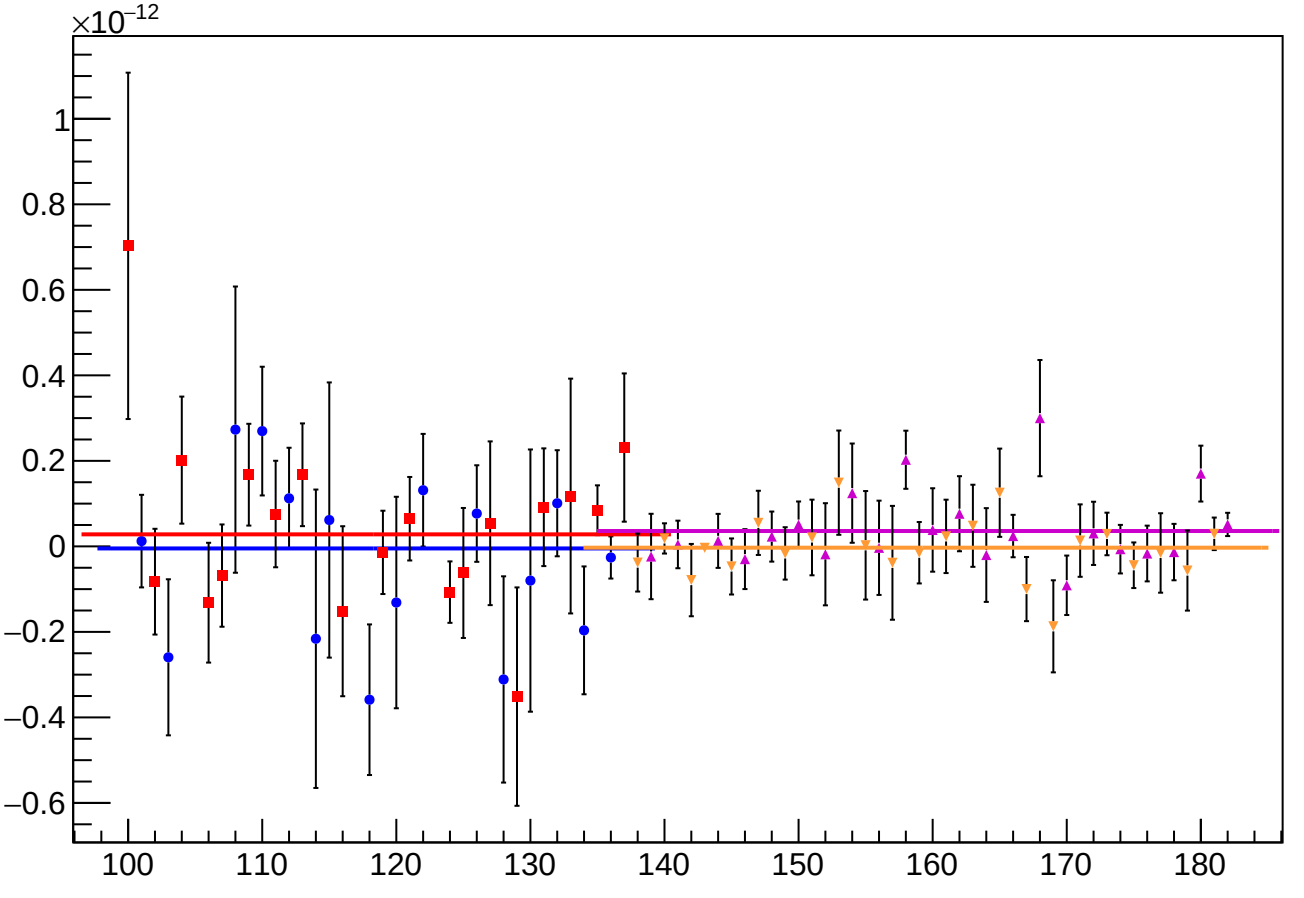
Left: 295.994+/-0.038 χ^2/NDF: 11017734.5/44

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 158.642+/-0.028 χ^2/NDF:15526437.9/37

Out: 148.138+/-0.027 χ^2/NDF:18386748.8/41

All: 153.247+/-0.019 χ^2/NDF: 33988043.4/79



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:22.7/21

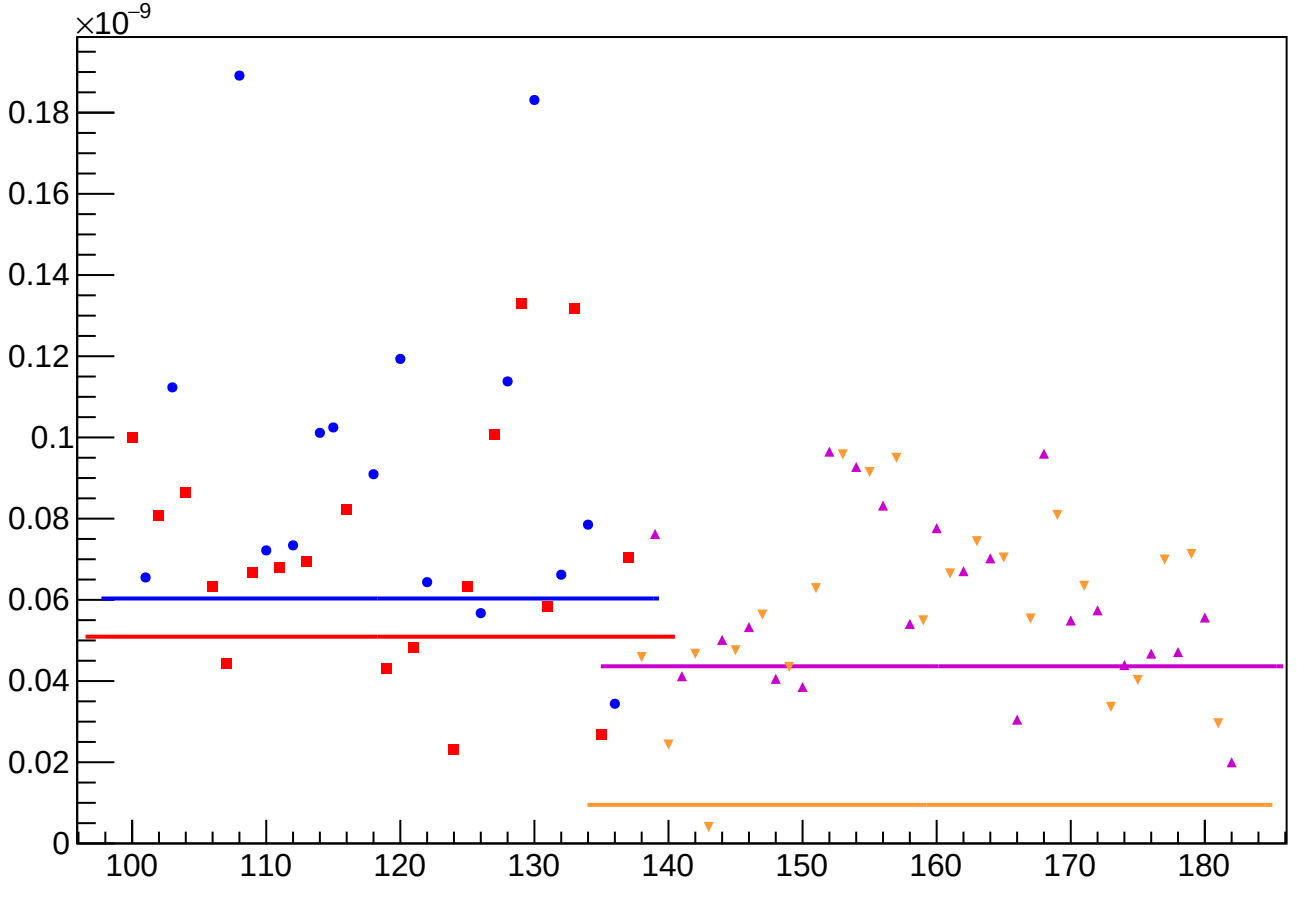
Left: 0.000+/-0.000 χ^2/NDF: 42.8/44

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:41.6/37

Out: -0.000+/-0.000 χ^2/NDF:33.8/41

All: 0.000+/-0.000 χ^2/NDF: 80.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17812115.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:4005249.2/21

Left: 0.000+/-0.000 χ^2/NDF: 32920032.6/44

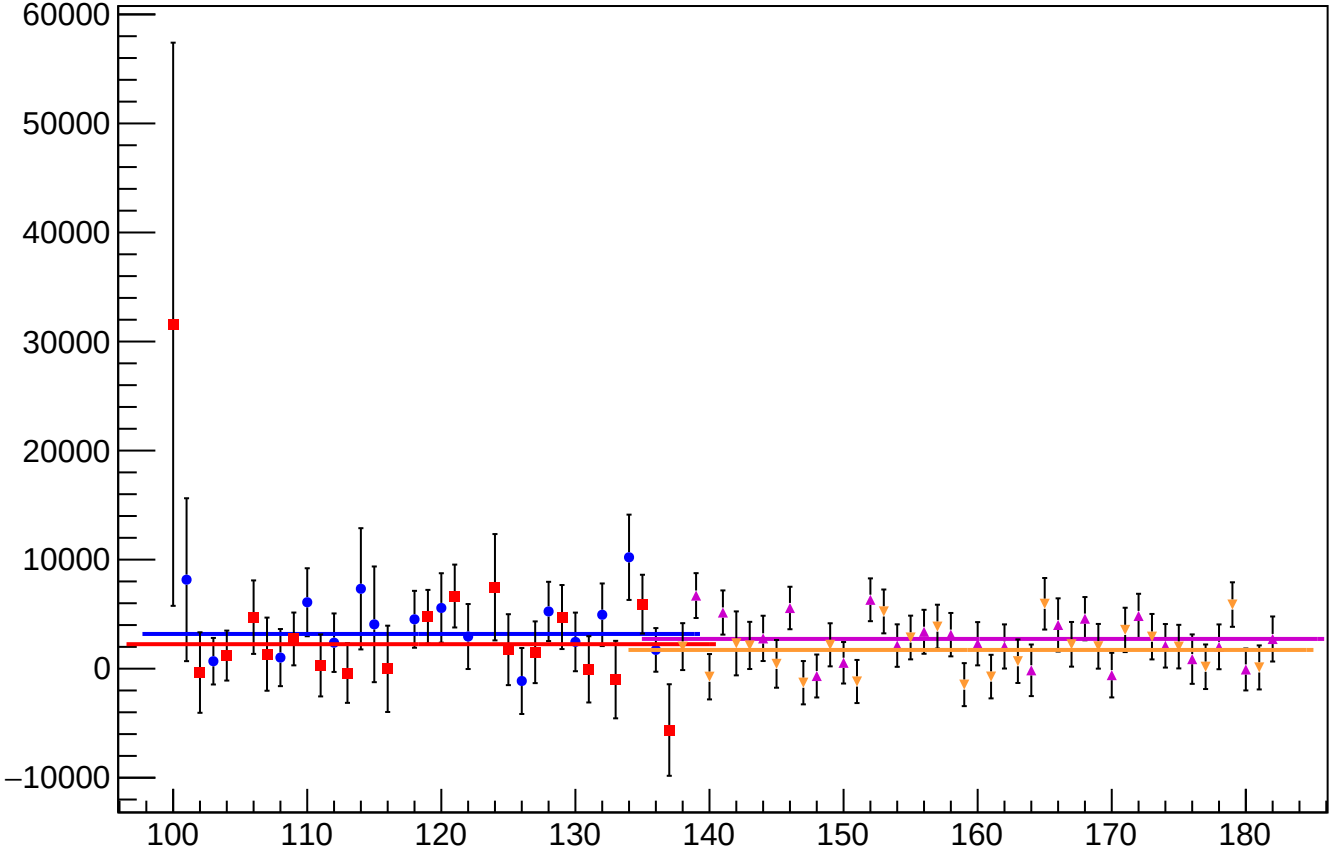
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:6219756.4/37

Out: 0.000+/-0.000 χ^2/NDF:23951121.8/41

All: 0.000+/-0.000 χ^2/NDF: 43874553.2/79

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1717.769+/-432.063 χ^2/NDF:25.1/22

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 2727.712+/-434.423 χ^2/NDF:24.7/21

Left: 2219.990+/-306.346 χ^2/NDF: 52.5/44

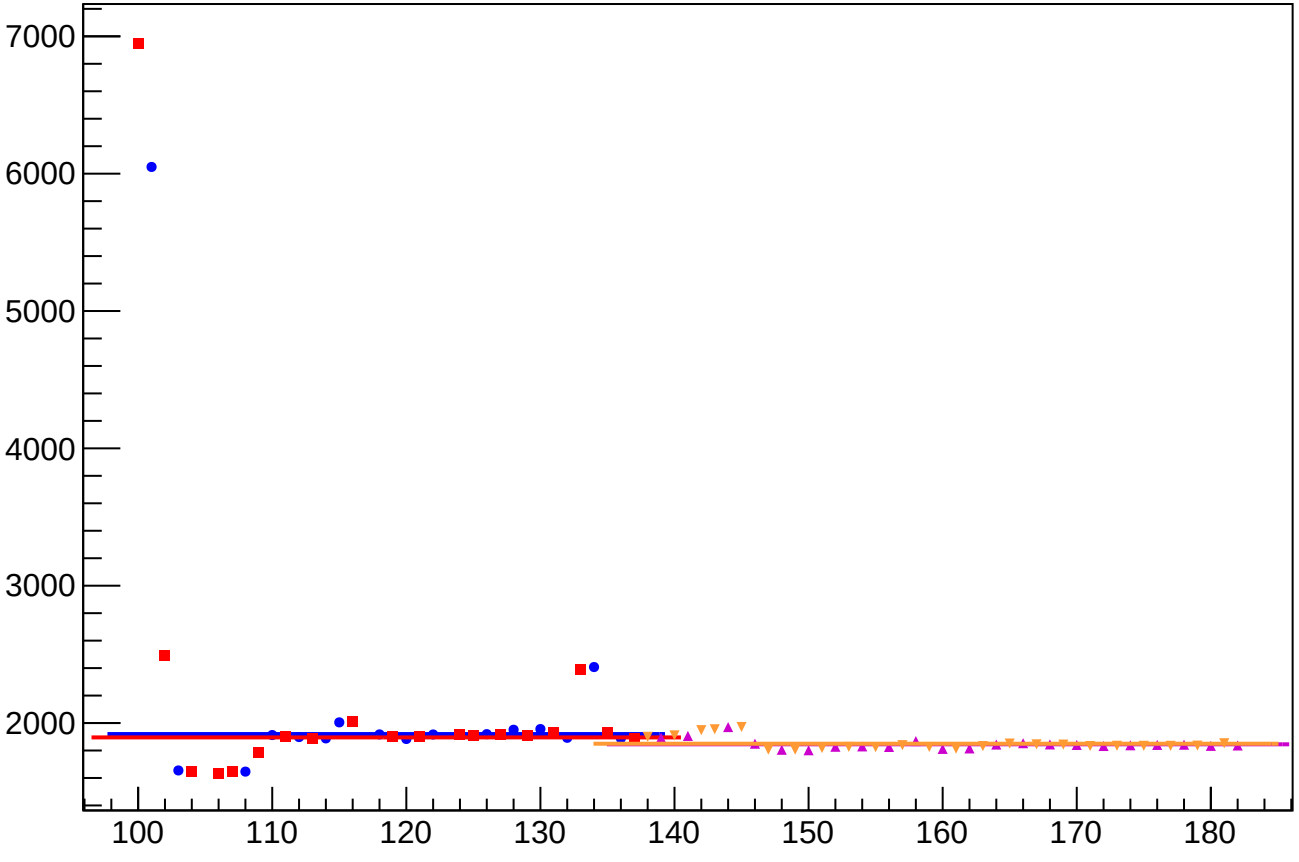
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 2846.693+/-373.470 χ^2/NDF:36.7/37

Out: 1860.268+/-369.221 χ^2/NDF:42.0/41

All: 2347.837+/-262.568 χ^2/NDF: 82.2/79

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1849.401+/-0.306 χ^2/NDF:20705.8/22

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1845.111+/-0.307 χ^2/NDF:14024.3/21

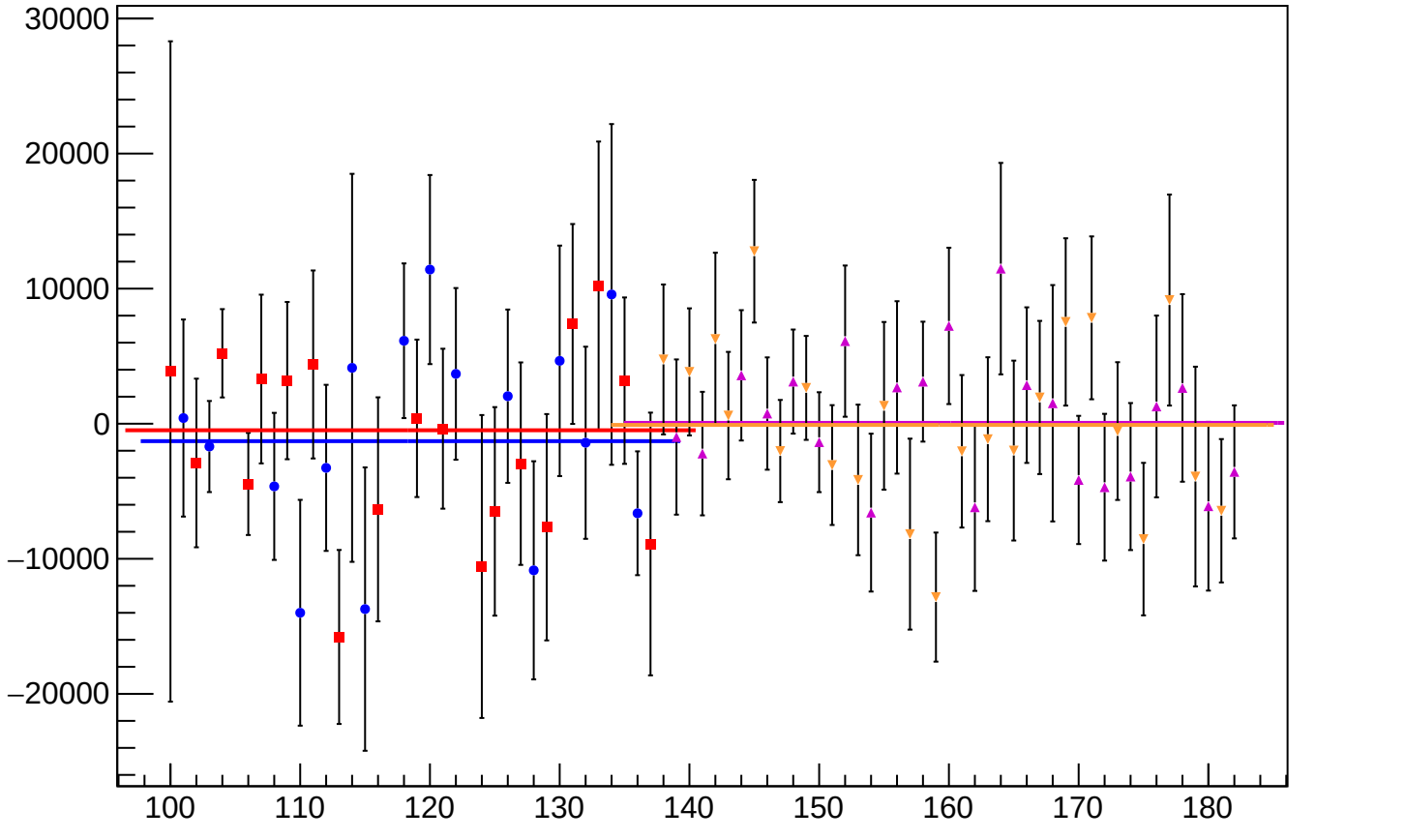
Left: 1847.268+/-0.217 χ^2/NDF: 34828.2/44

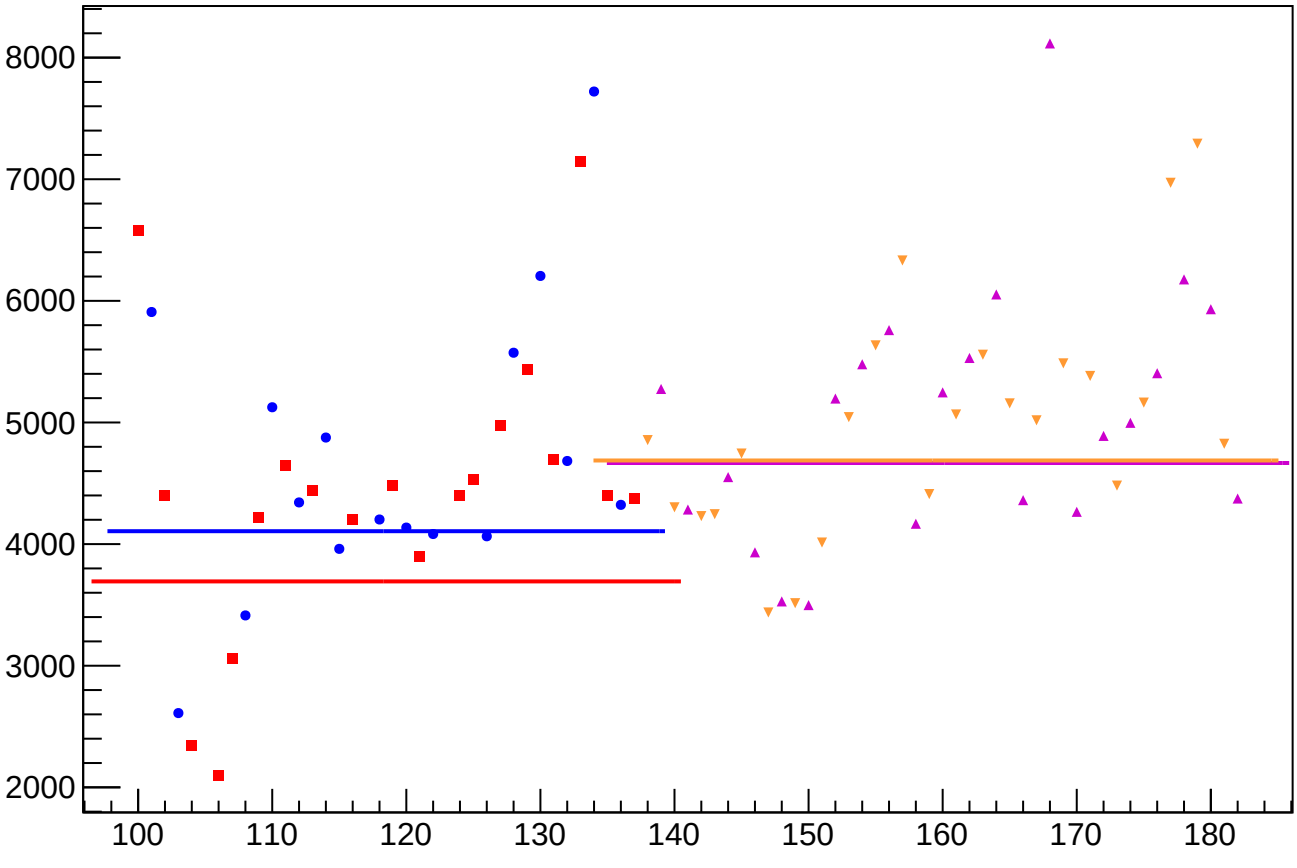
Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1864.607+/-0.264 χ^2/NDF:726792.3/37

Out: 1861.861+/-0.261 χ^2/NDF:249115.0/41

All: 1863.217+/-0.186 χ^2/NDF: 975962.0/79


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1290.495+/-1585.432 χ²/NDF: 14.3/15
Left Out: -89.812+/-1120.988 χ²/NDF:27.5/22
Right Out: -485.214+/-1437.465 χ²/NDF: 17.2/18
Left In: 62.571+/-1122.926 χ²/NDF:13.5/21
Left: -13.752+/-793.343 χ²/NDF: 41.0/44
Right: -848.531+/-1064.920 χ²/NDF: 31.6/34
In: -389.446+/-916.359 χ²/NDF:28.2/37
Out: -239.340+/-883.972 χ²/NDF:44.8/41
All: -311.694+/-636.204 χ²/NDF: 73.0/79



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4687.508+/-0.793 χ^2/NDF:1185022.6/22

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4666.837+/-0.794 χ^2/NDF:1285628.2/21

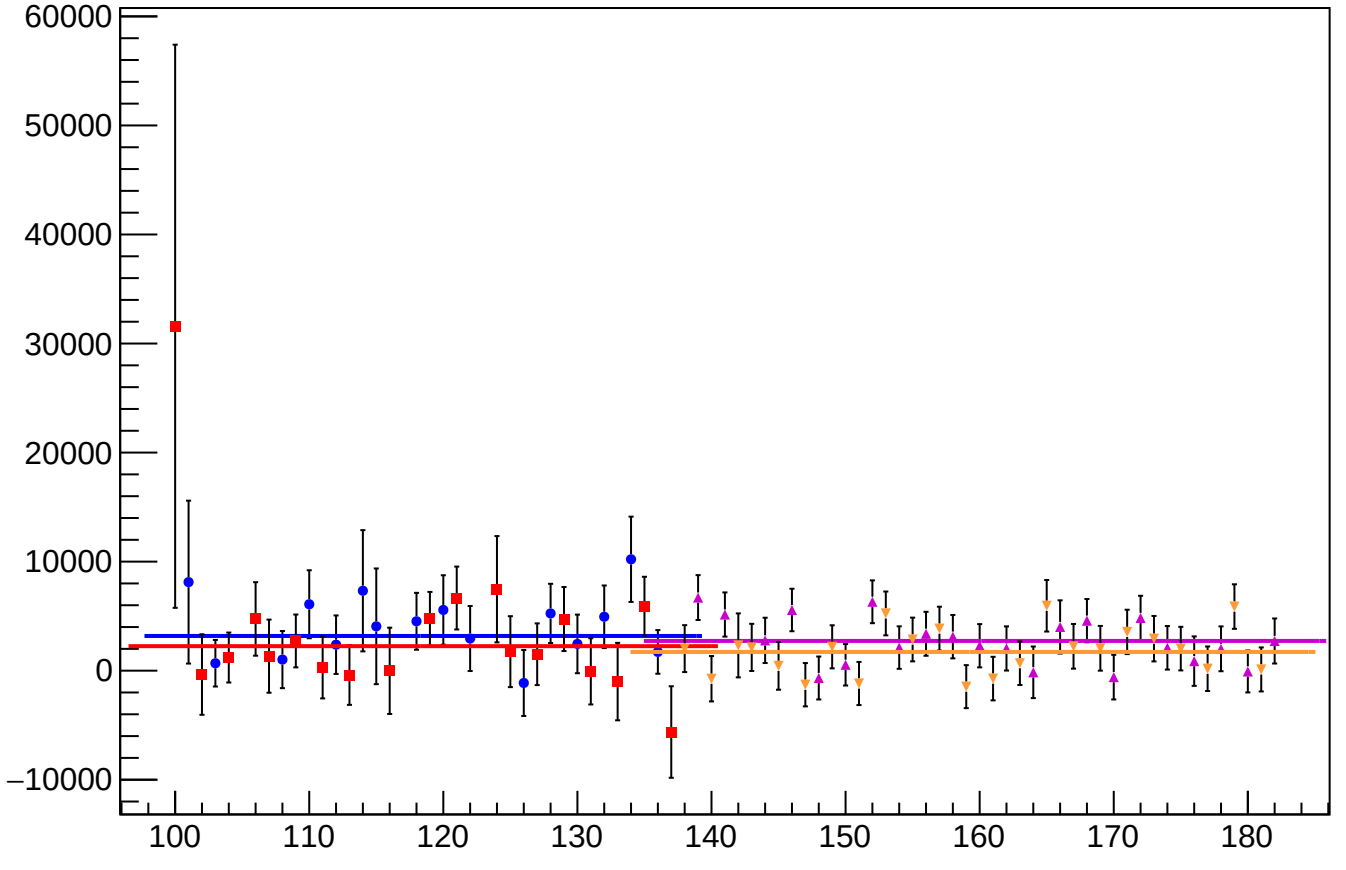
Left: 4677.190+/-0.561 χ^2/NDF: 2470990.3/44

Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

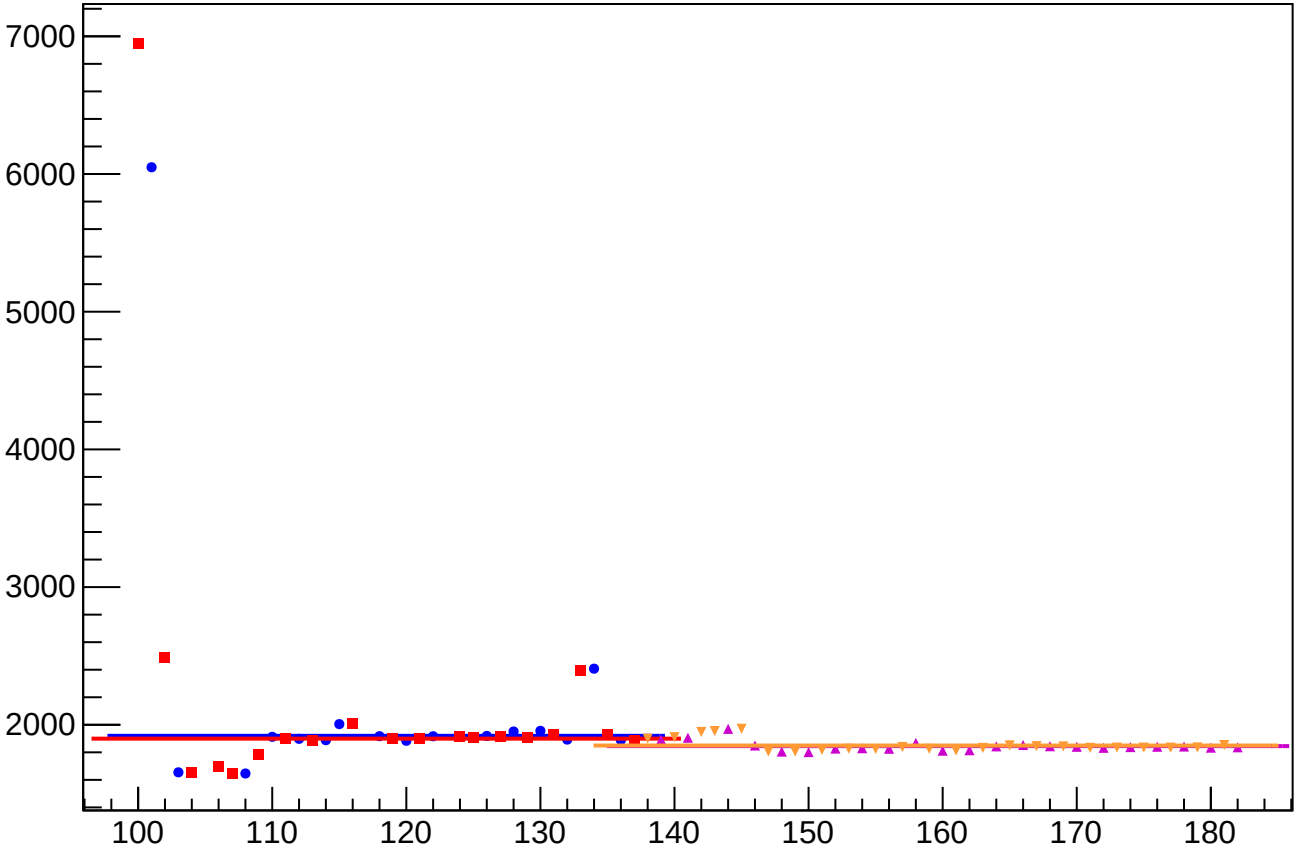
In: 4479.526+/-0.648 χ^2/NDF:2408336.6/37

Out: 4311.520+/-0.625 χ^2/NDF:3136635.1/41

All: 4392.502+/-0.450 χ^2/NDF: 5579794.3/79


cor_asym_atr_avg_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: 3182.973+/-731.133 χ²/NDF: 11.7/15
Left Out: 1717.663+/-432.063 χ²/NDF:25.1/22
Right Out: 2247.193+/-710.916 χ²/NDF: 16.5/18
Left In: 2727.682+/-434.423 χ²/NDF:24.7/21
Left: 2219.922+/-306.346 χ²/NDF: 52.5/44
Right: 2701.966+/-509.691 χ²/NDF: 29.1/34
In: 2846.480+/-373.470 χ²/NDF:36.7/37
Out: 1860.496+/-369.222 χ²/NDF:42.0/41
All: 2347.848+/-262.568 χ²/NDF: 82.2/79

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.401+/-0.306 χ^2/NDF:20705.8/22

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1845.111+/-0.307 χ^2/NDF:14024.3/21

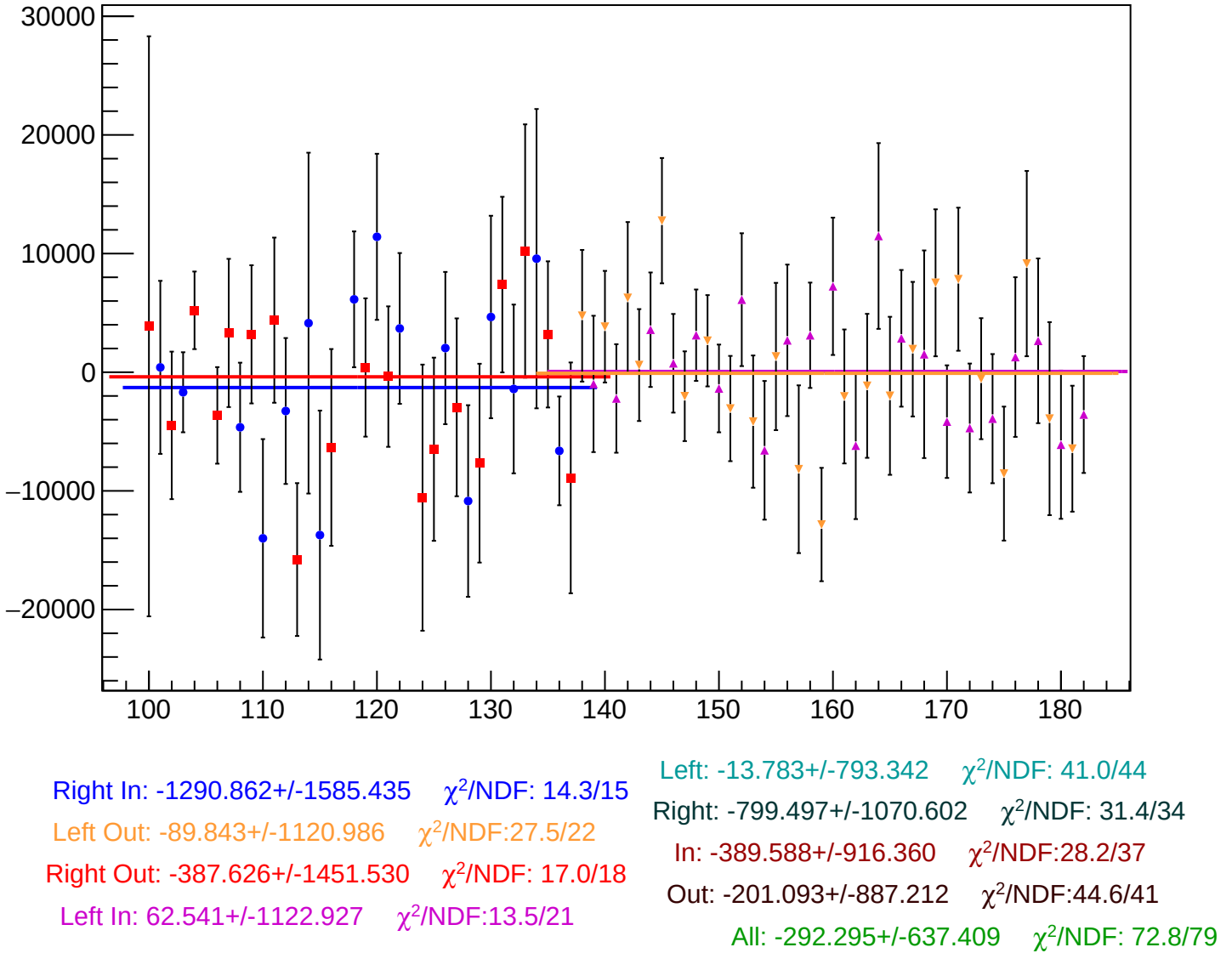
Left: 1847.268+/-0.217 χ^2/NDF: 34828.2/44

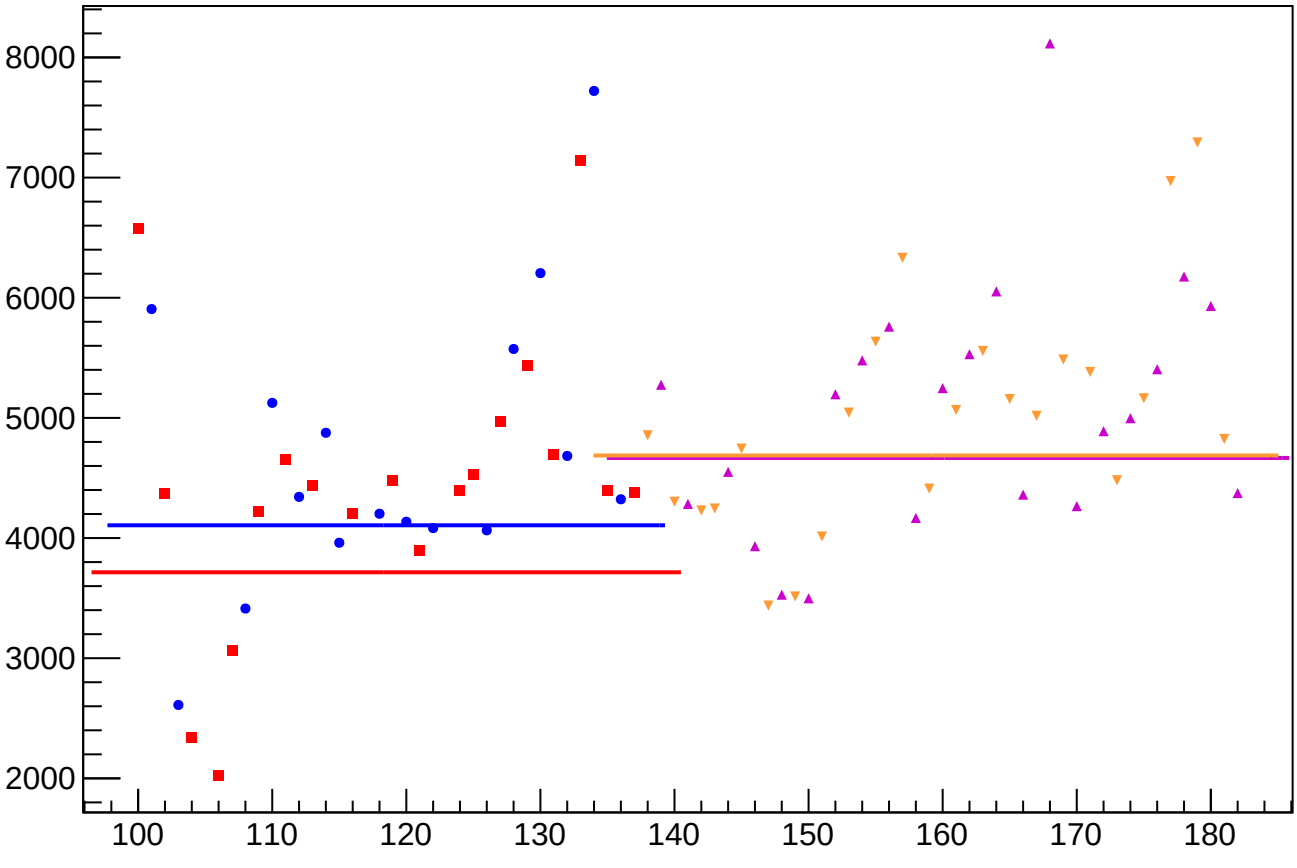
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1864.607+/-0.264 χ^2/NDF:726791.6/37

Out: 1862.909+/-0.261 χ^2/NDF:243590.4/41

All: 1863.748+/-0.186 χ^2/NDF: 970402.9/79


asym_atr_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: -89.843+/-1120.986 χ²/NDF:27.5/22
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 62.541+/-1122.927 χ²/NDF:13.5/21
Left: -13.783+/-793.342 χ²/NDF: 41.0/44
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -389.588+/-916.360 χ²/NDF:28.2/37
Out: -201.093+/-887.212 χ²/NDF:44.6/41
All: -292.295+/-637.409 χ²/NDF: 72.8/79



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4687.497+/-0.793 χ^2/NDF:1185048.2/22

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4666.839+/-0.794 χ^2/NDF:1285624.4/21

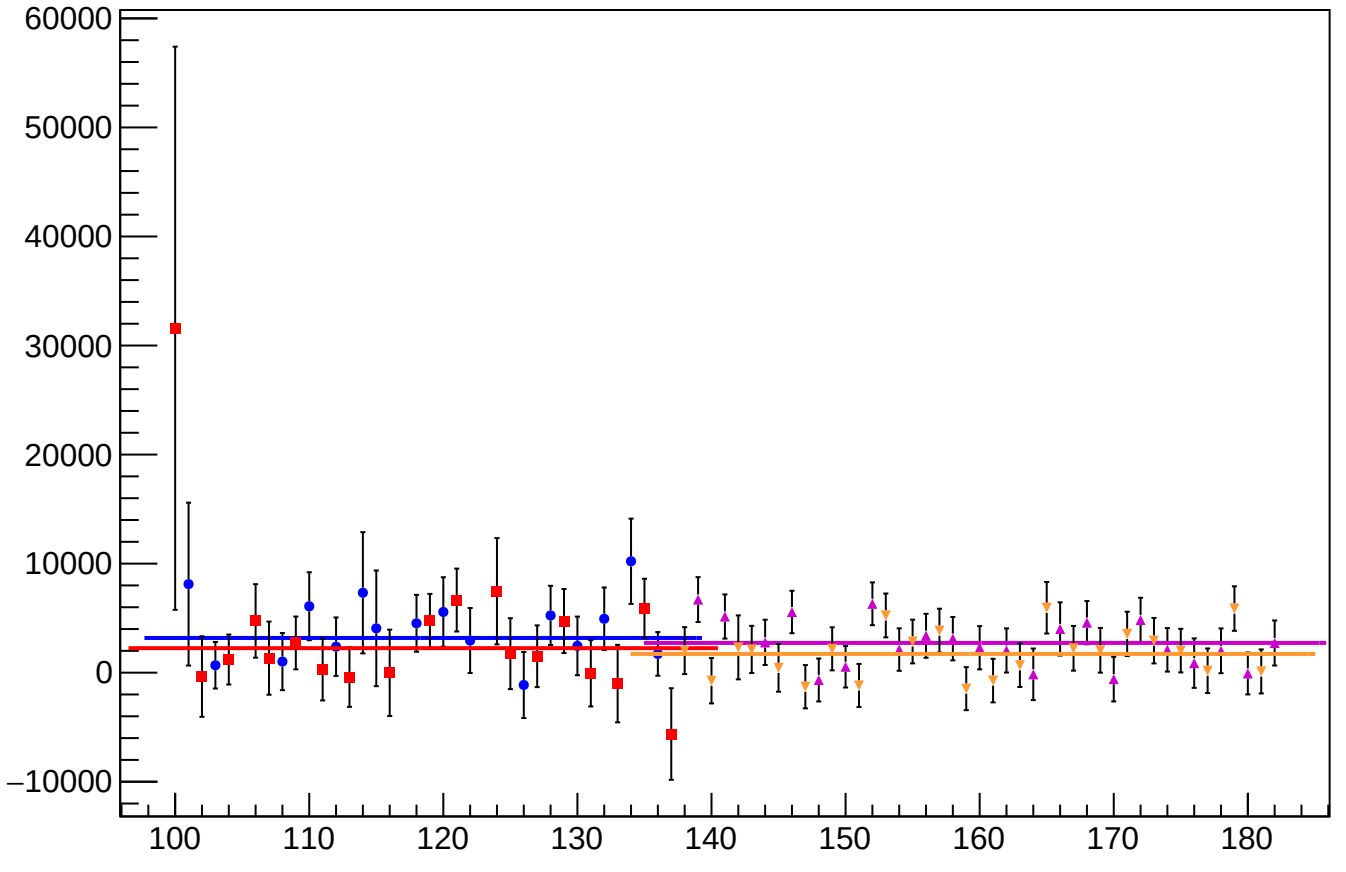
Left: 4677.186+/-0.561 χ^2/NDF: 2471011.7/44

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4479.558+/-0.648 χ^2/NDF:2407779.2/37

Out: 4324.252+/-0.627 χ^2/NDF:3082268.1/41

All: 4399.396+/-0.451 χ^2/NDF: 5519699.6/79



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1717.663+/-432.063 χ^2/NDF:25.1/22

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 2727.682+/-434.423 χ^2/NDF:24.7/21

Left: 2219.922+/-306.346 χ^2/NDF: 52.5/44

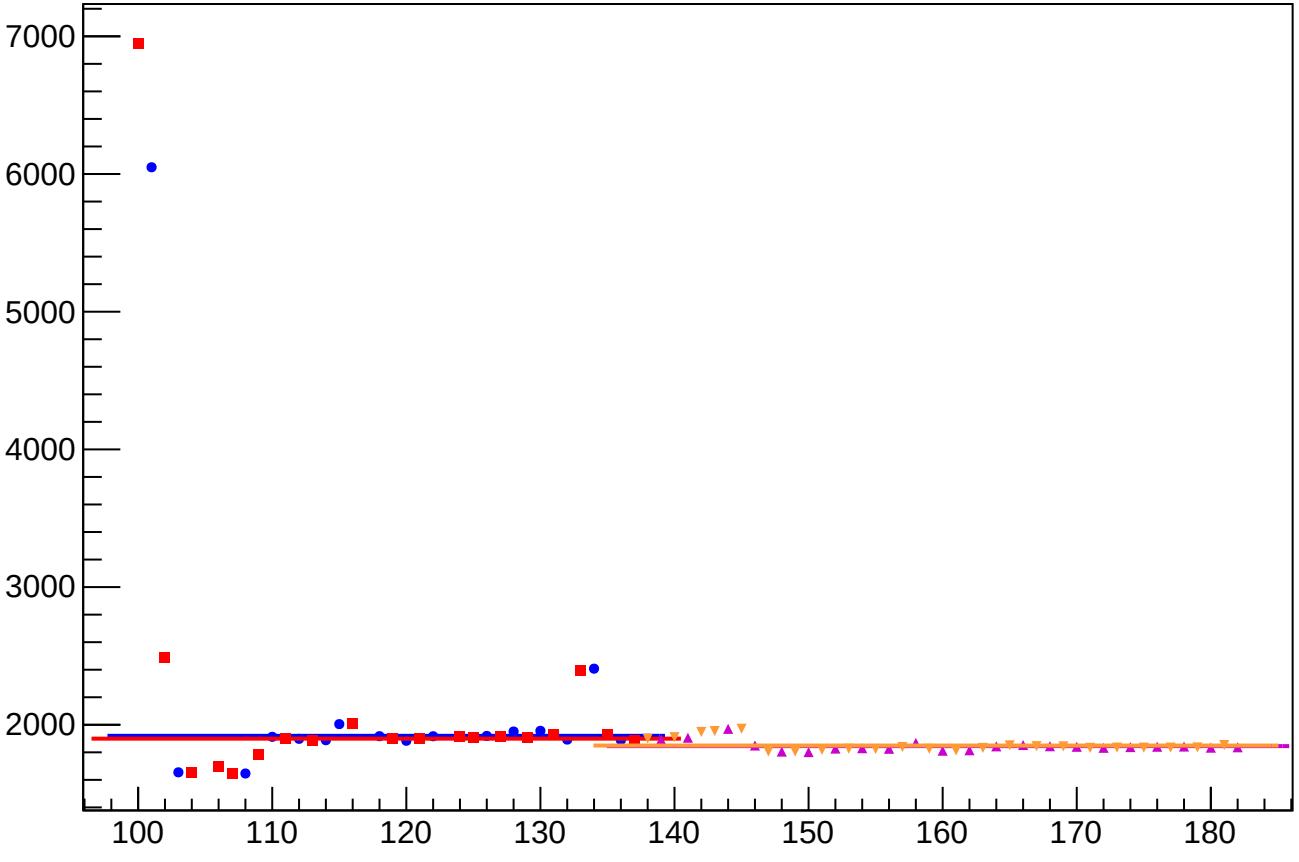
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 2846.480+/-373.470 χ^2/NDF:36.7/37

Out: 1860.496+/-369.222 χ^2/NDF:42.0/41

All: 2347.848+/-262.568 χ^2/NDF: 82.2/79

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.401+/-0.306 χ^2/NDF:20705.8/22

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1845.111+/-0.307 χ^2/NDF:14024.3/21

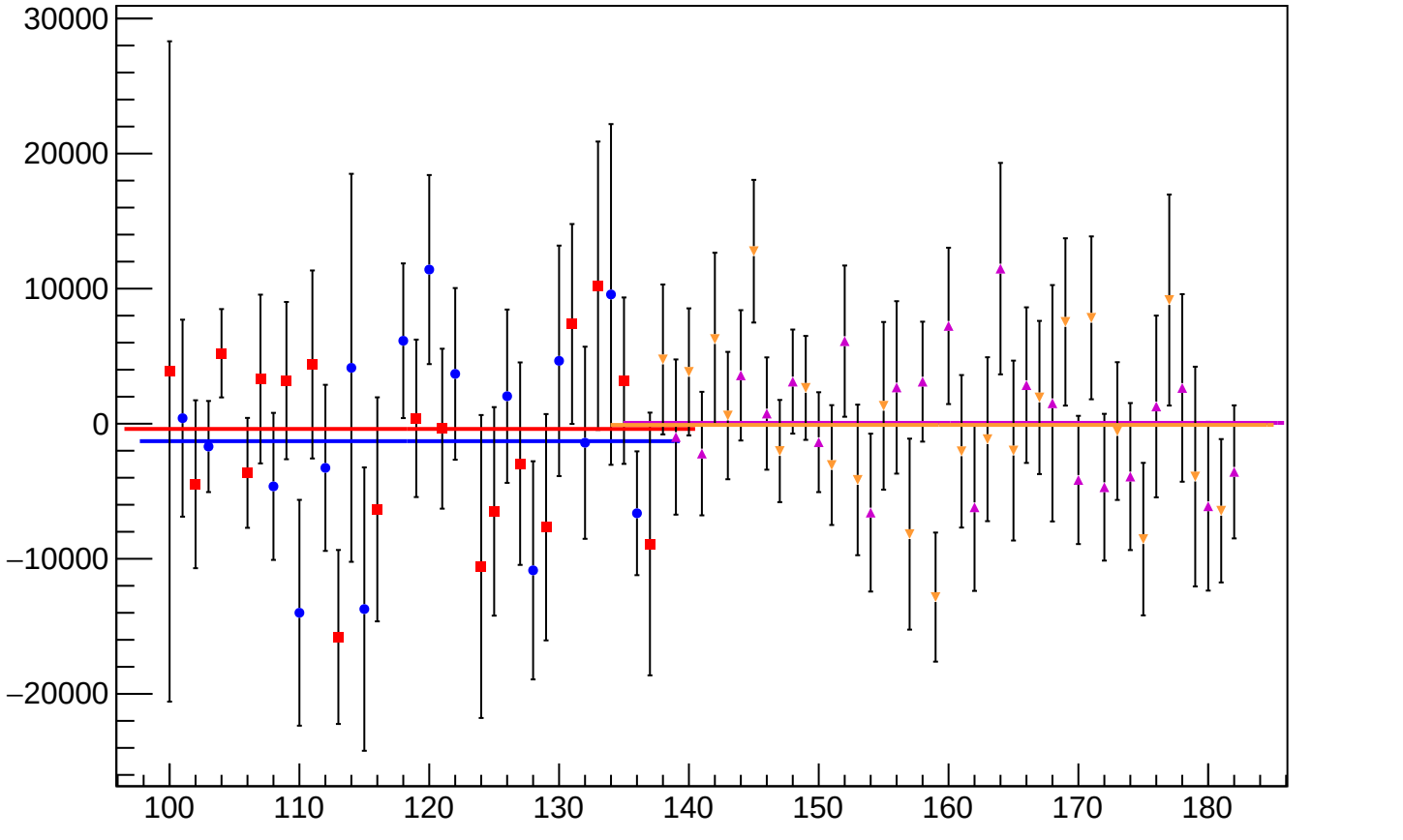
Left: 1847.268+/-0.217 χ^2/NDF: 34828.2/44

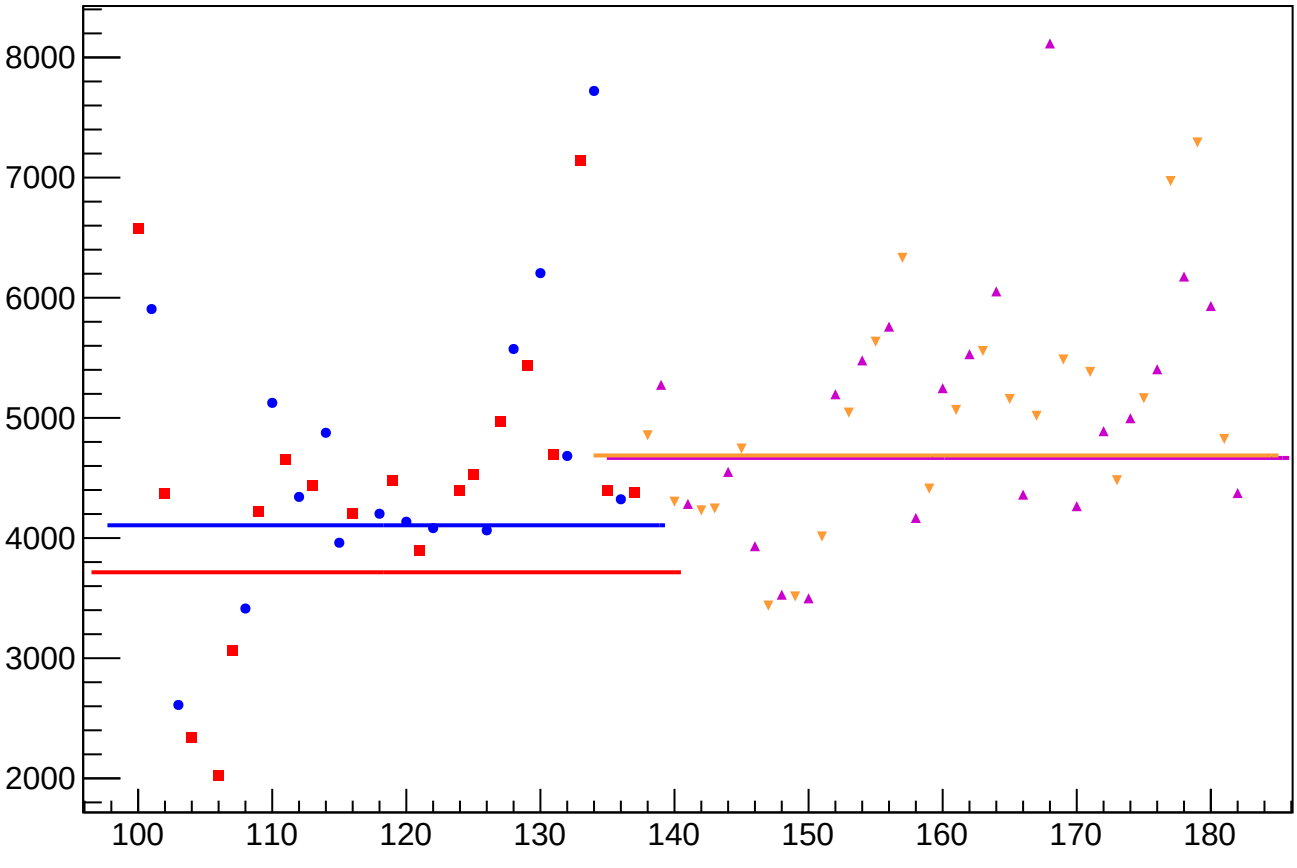
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1864.607+/-0.264 χ^2/NDF:726791.6/37

Out: 1862.909+/-0.261 χ^2/NDF:243590.4/41

All: 1863.748+/-0.186 χ^2/NDF: 970402.9/79


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: -89.843+/-1120.986 χ²/NDF:27.5/22
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 62.541+/-1122.927 χ²/NDF:13.5/21
Left: -13.783+/-793.342 χ²/NDF: 41.0/44
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -389.588+/-916.360 χ²/NDF:28.2/37
Out: -201.093+/-887.212 χ²/NDF:44.6/41
All: -292.295+/-637.409 χ²/NDF: 72.8/79



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4687.497+/-0.793 χ^2/NDF:1185048.2/22

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4666.839+/-0.794 χ^2/NDF:1285624.4/21

Left: 4677.186+/-0.561 χ^2/NDF: 2471011.7/44

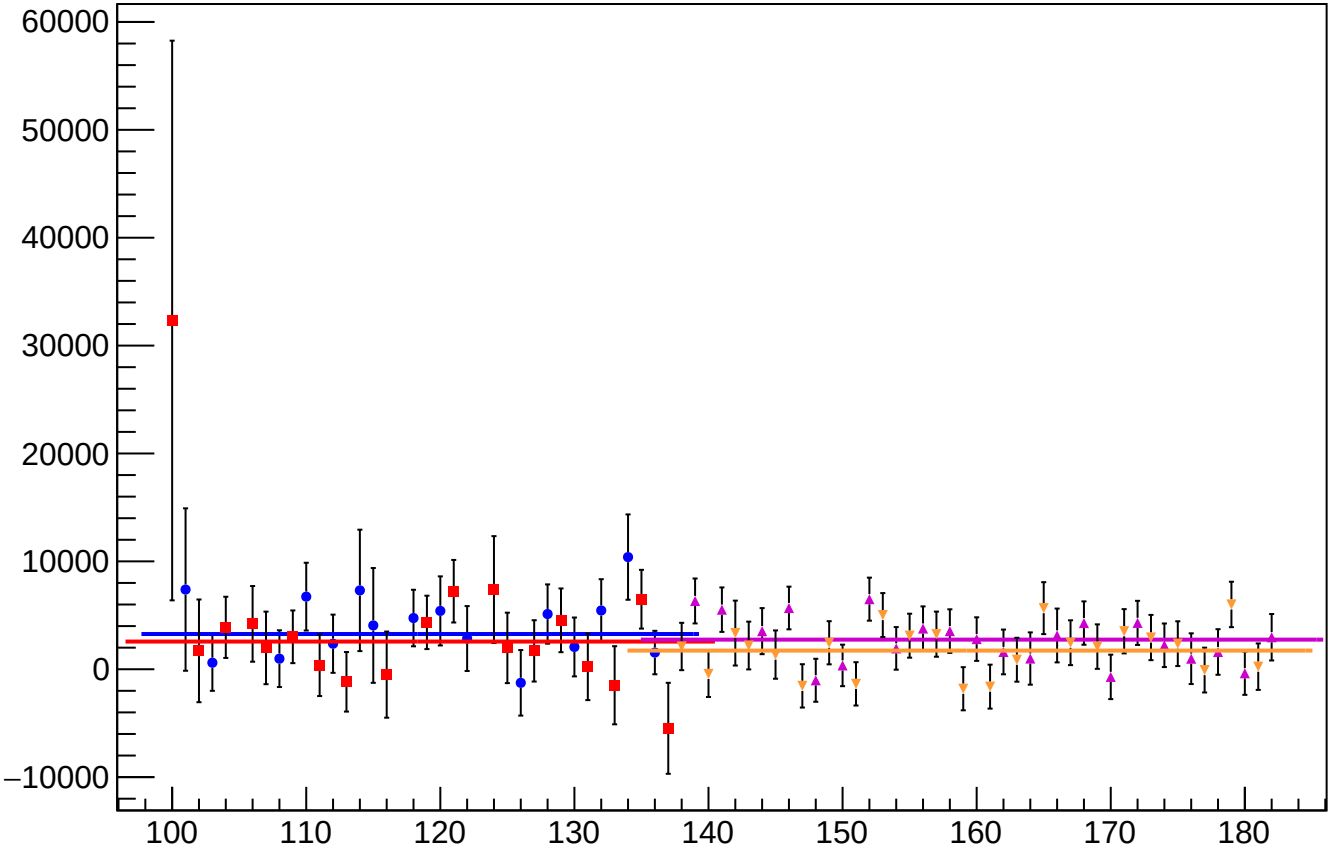
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4479.558+/-0.648 χ^2/NDF:2407779.2/37

Out: 4324.252+/-0.627 χ^2/NDF:3082268.1/41

All: 4399.396+/-0.451 χ^2/NDF: 5519699.6/79

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1729.262+/-441.127 χ^2/NDF:25.5/22

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 2744.376+/-442.846 χ^2/NDF:24.5/21

Left: 2234.844+/-312.530 χ^2/NDF: 52.7/44

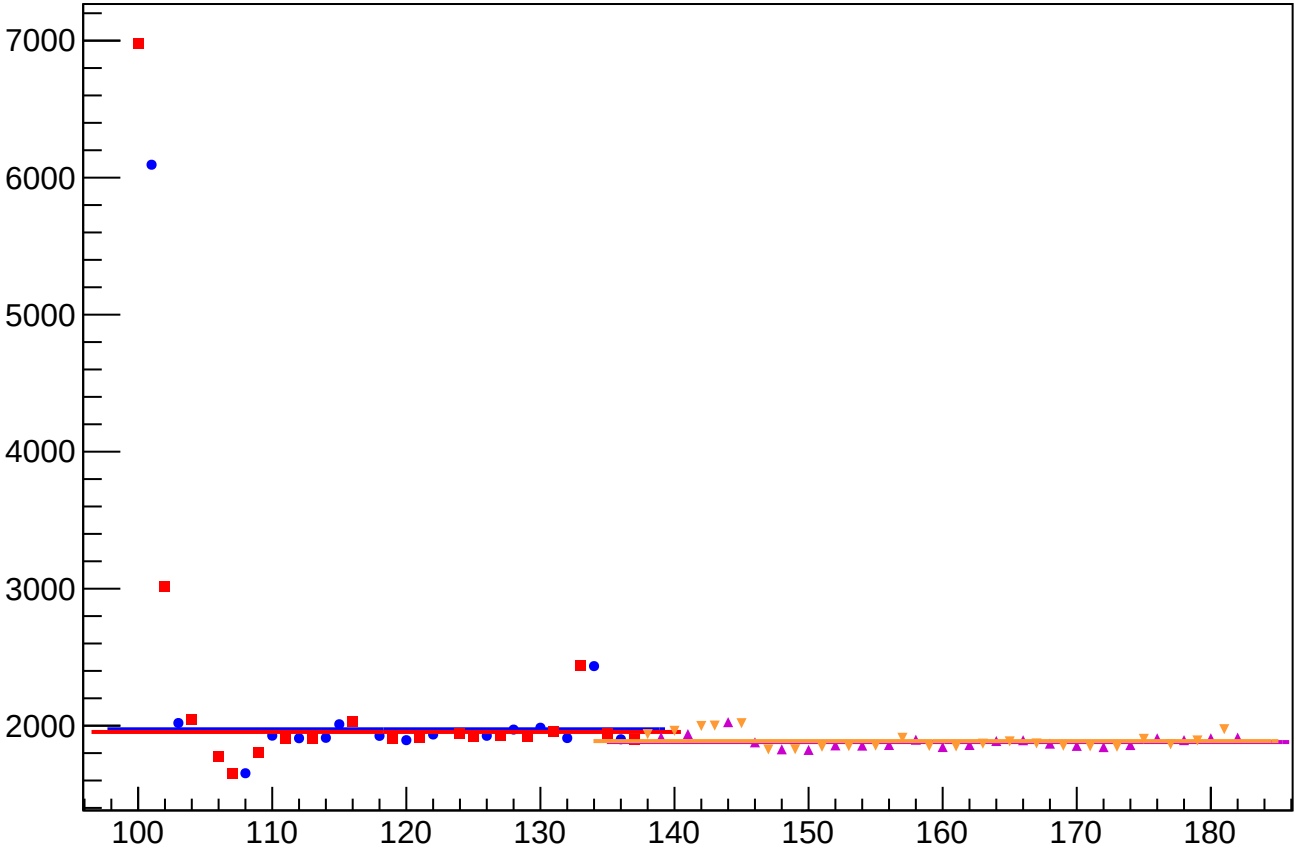
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 2878.642+/-381.446 χ^2/NDF:37.0/37

Out: 1951.081+/-378.217 χ^2/NDF:43.5/41

All: 2410.919+/-268.574 χ^2/NDF: 83.5/79

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1887.713+/-0.312 χ^2/NDF:31511.4/22

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1880.583+/-0.313 χ^2/NDF:19037.6/21

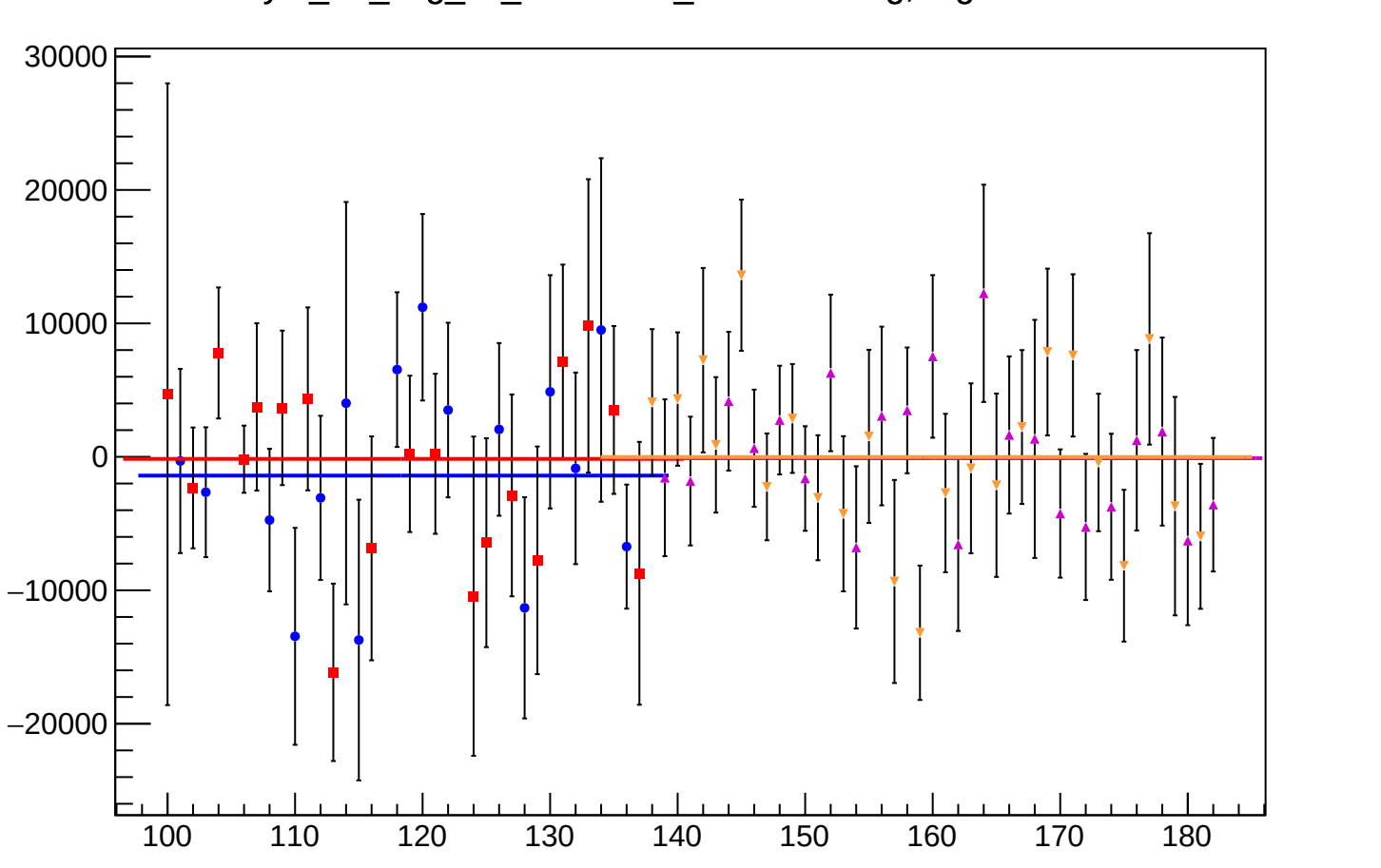
Left: 1884.162+/-0.221 χ^2/NDF: 50809.2/44

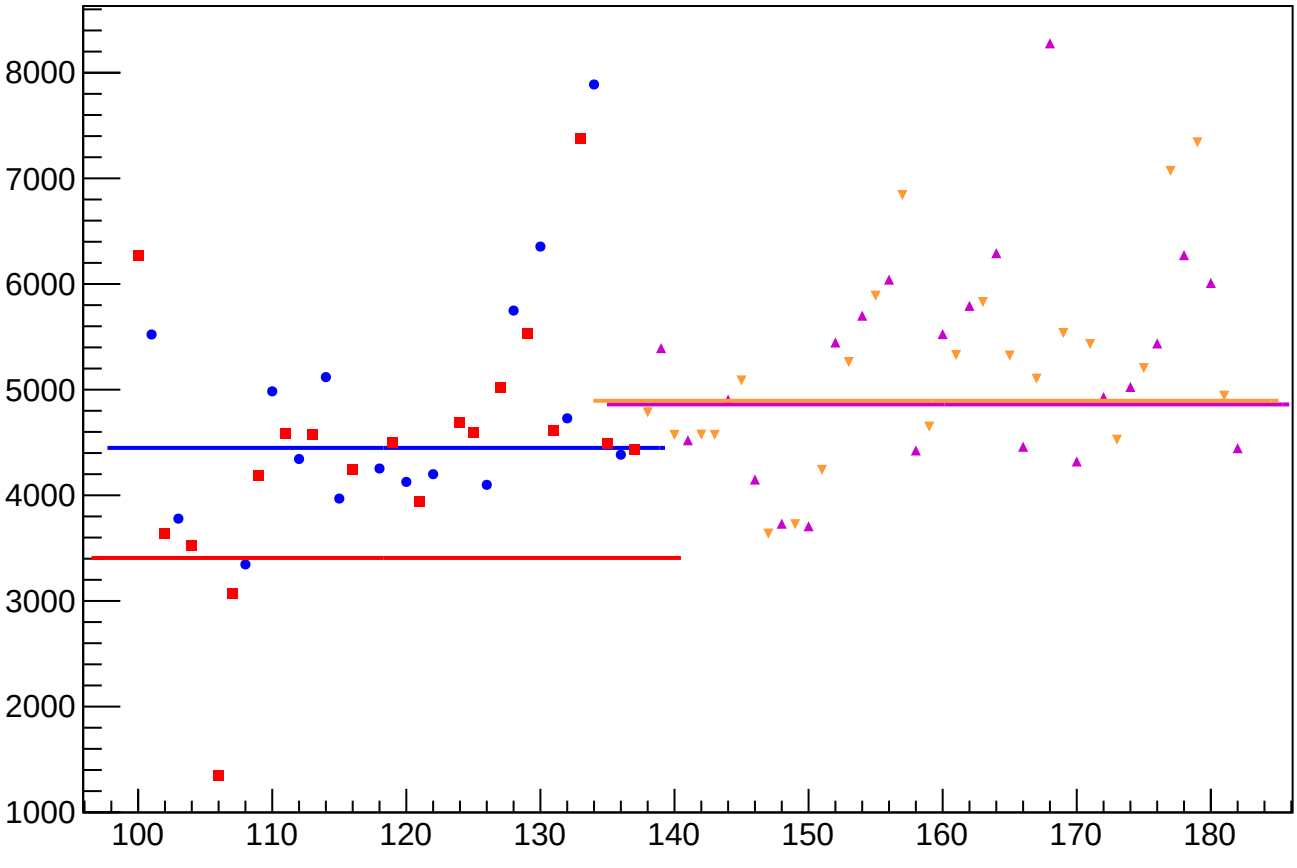
Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1904.626+/-0.270 χ^2/NDF:707006.0/37

Out: 1905.384+/-0.267 χ^2/NDF:289823.4/41

All: 1905.008+/-0.190 χ^2/NDF: 996833.3/79


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1407.382+/-1689.989 χ²/NDF: 14.2/15
Left Out: -16.142+/-1168.167 χ²/NDF:26.7/22
Right Out: -155.271+/-1363.642 χ²/NDF: 15.8/18
Left In: -102.764+/-1167.497 χ²/NDF:13.3/21
Left: -59.478+/-825.782 χ²/NDF: 40.1/44
Right: -649.023+/-1061.247 χ²/NDF: 30.4/34
In: -524.241+/-960.570 χ²/NDF:28.0/37
Out: -75.028+/-887.154 χ²/NDF:42.6/41
All: -281.814+/-651.723 χ²/NDF: 70.6/79



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4894.848+/-0.826 χ^2/NDF:1061943.5/22

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4860.191+/-0.826 χ^2/NDF:1175128.0/21

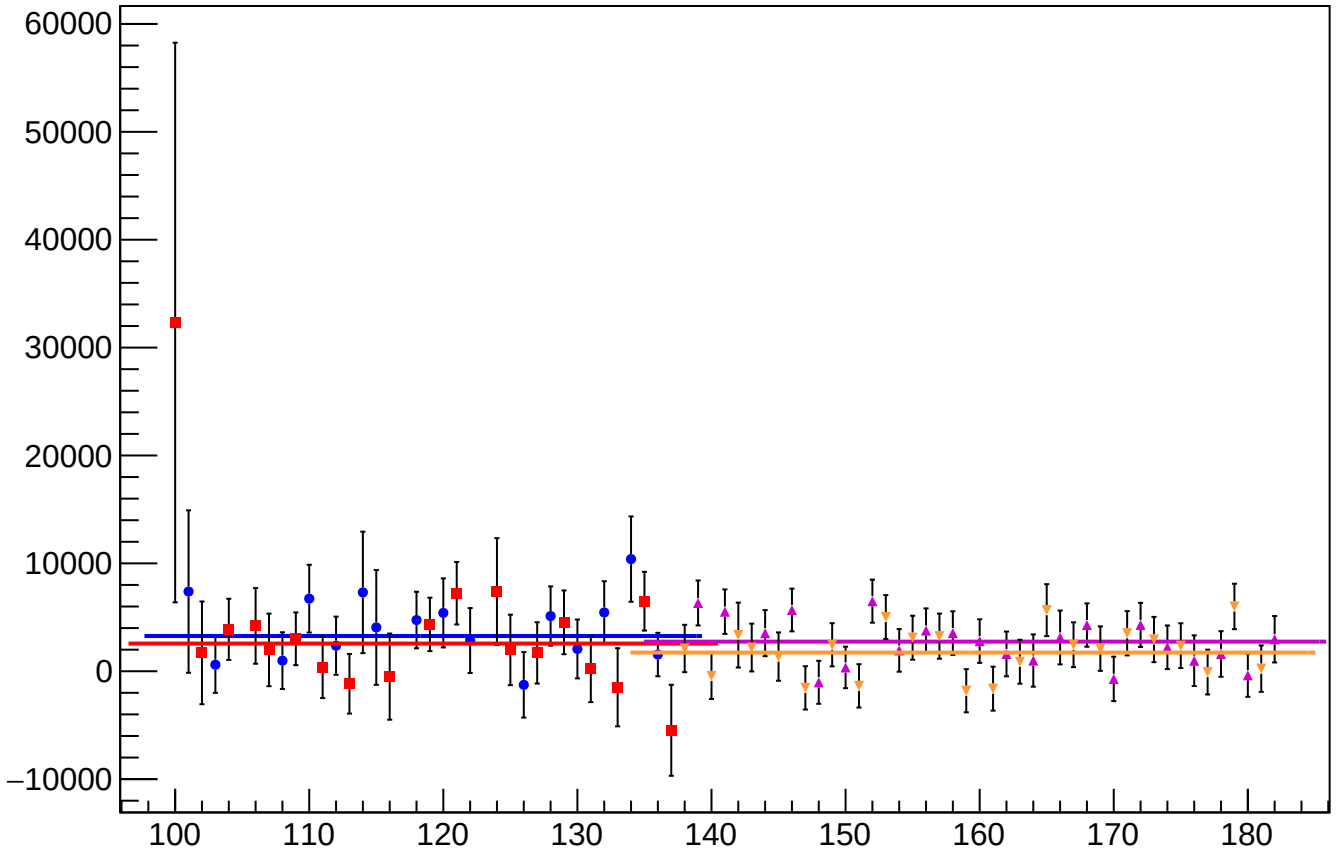
Left: 4877.510+/-0.584 χ^2/NDF: 2237952.1/44

Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4727.256+/-0.679 χ^2/NDF:1750002.9/37

Out: 4265.171+/-0.627 χ^2/NDF:4760969.1/41

All: 4477.882+/-0.461 χ^2/NDF: 6760744.6/79



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1729.257+/-441.127 χ^2/NDF:25.5/22

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 2744.376+/-442.847 χ^2/NDF:24.5/21

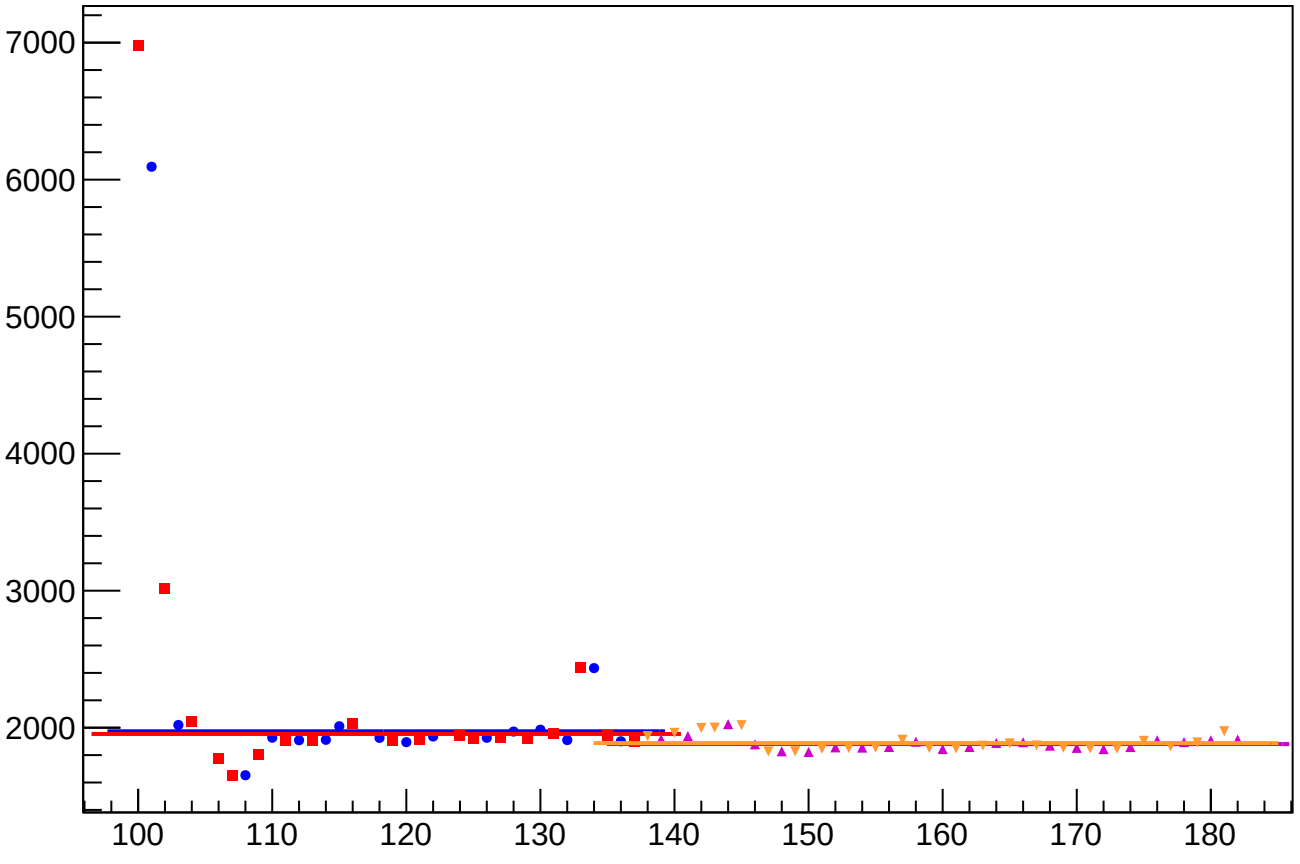
Left: 2234.842+/-312.530 χ^2/NDF: 52.7/44

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 2878.644+/-381.447 χ^2/NDF:37.0/37

Out: 1951.079+/-378.218 χ^2/NDF:43.5/41

All: 2410.919+/-268.575 χ^2/NDF: 83.5/79



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1887.713+/-0.312 χ^2/NDF:31511.4/22

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1880.584+/-0.313 χ^2/NDF:19037.5/21

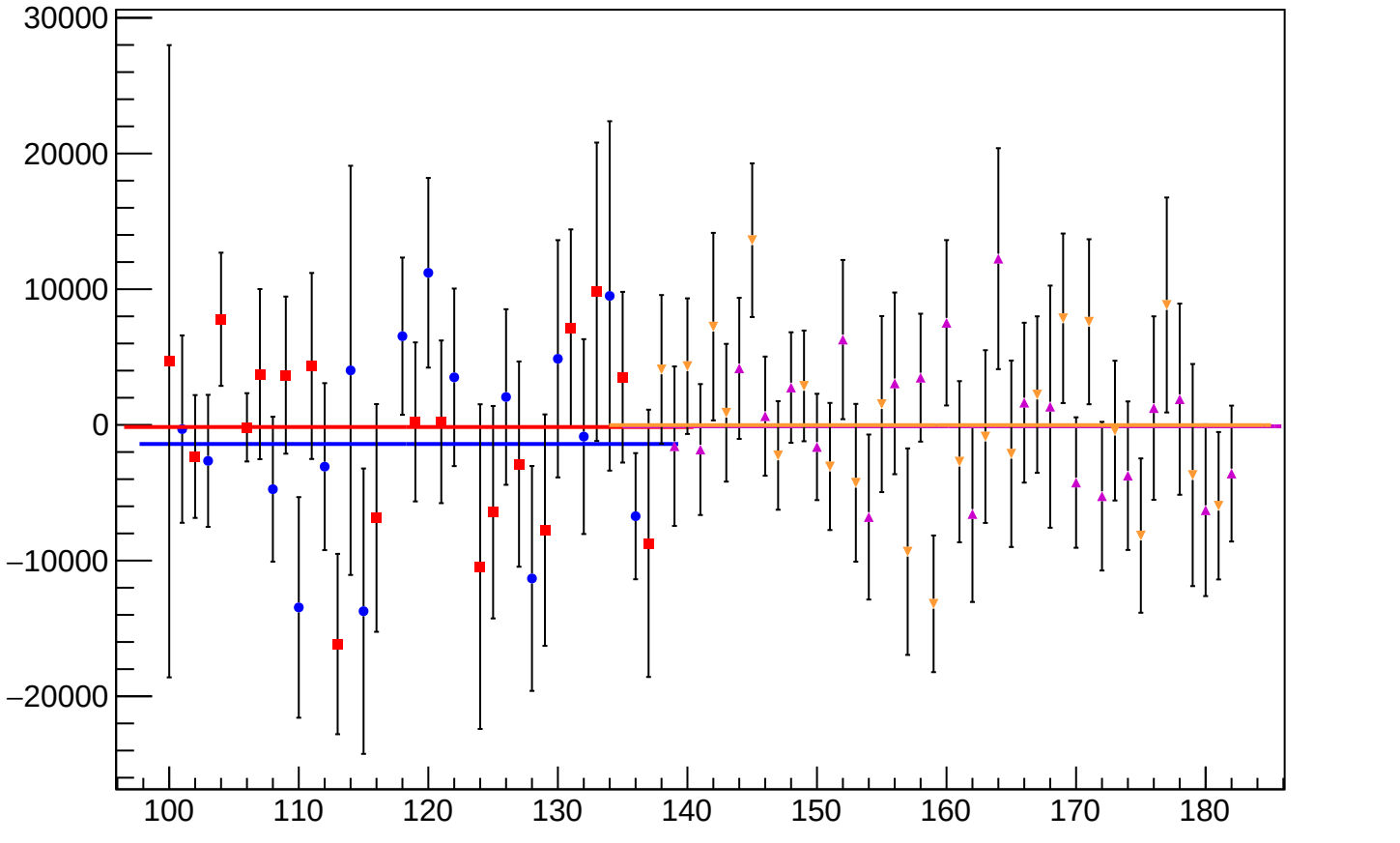
Left: 1884.162+/-0.221 χ^2/NDF: 50809.2/44

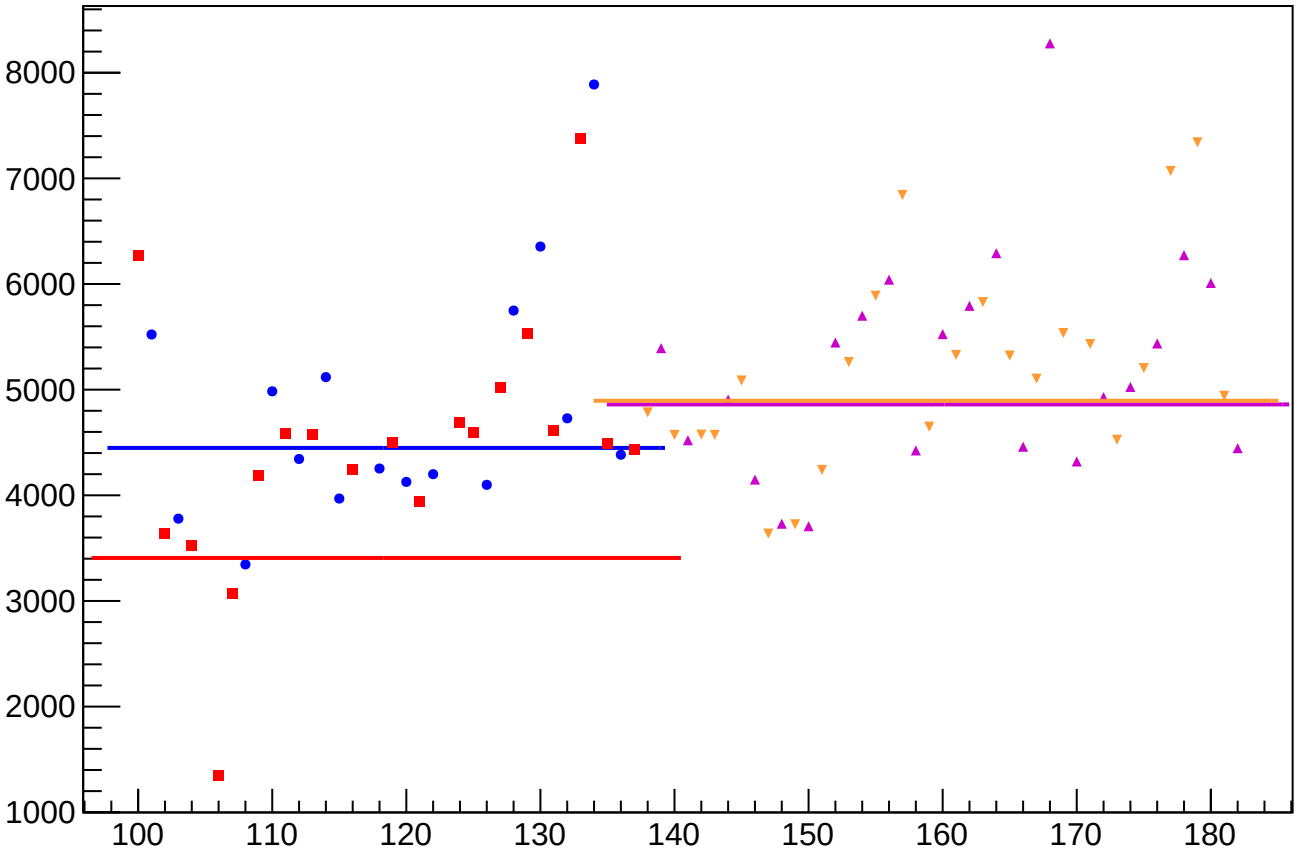
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1904.627+/-0.270 χ^2/NDF:707005.4/37

Out: 1905.384+/-0.267 χ^2/NDF:289822.5/41

All: 1905.009+/-0.190 χ^2/NDF: 996831.9/79


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1407.363+/-1689.986 χ²/NDF: 14.2/15
Left Out: -16.144+/-1168.169 χ²/NDF:26.7/22
Right Out: -155.272+/-1363.639 χ²/NDF: 15.8/18
Left In: -102.766+/-1167.499 χ²/NDF:13.3/21
Left: -59.480+/-825.783 χ²/NDF: 40.1/44
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: -524.238+/-960.571 χ²/NDF:28.0/37
Out: -75.031+/-887.154 χ²/NDF:42.6/41
All: -281.814+/-651.724 χ²/NDF: 70.6/79



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4894.856+/-0.826 χ^2/NDF:1061944.9/22

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4860.198+/-0.826 χ^2/NDF:1175130.5/21

Left: 4877.517+/-0.584 χ^2/NDF: 2237956.1/44

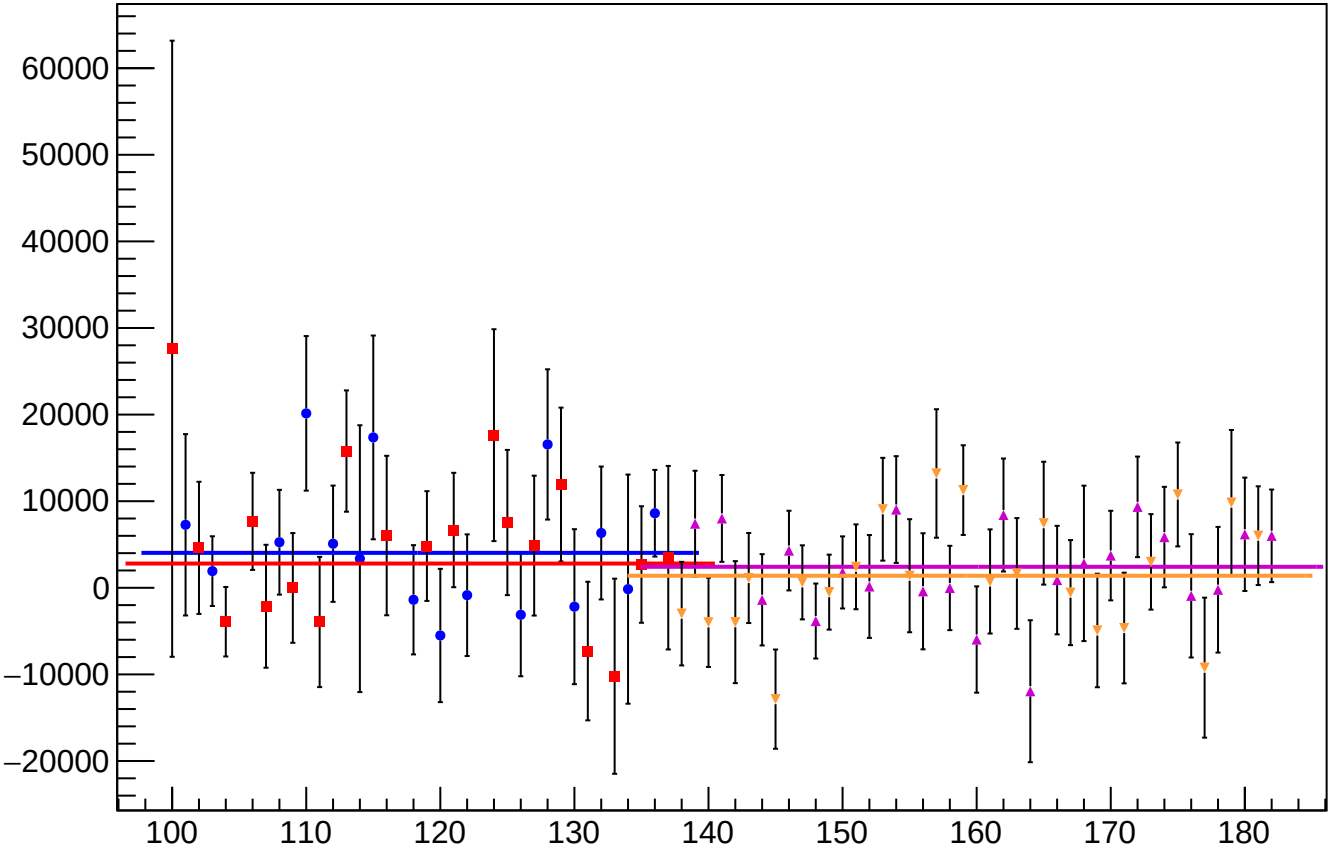
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4727.258+/-0.679 χ^2/NDF:1750008.4/37

Out: 4265.169+/-0.627 χ^2/NDF:4761005.4/41

All: 4477.882+/-0.461 χ^2/NDF: 6760790.3/79

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1390.757+/-1214.239 χ^2/NDF:25.1/22

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 2425.046+/-1215.667 χ^2/NDF:15.2/21

Left: 1907.294+/-859.101 χ^2/NDF: 40.7/44

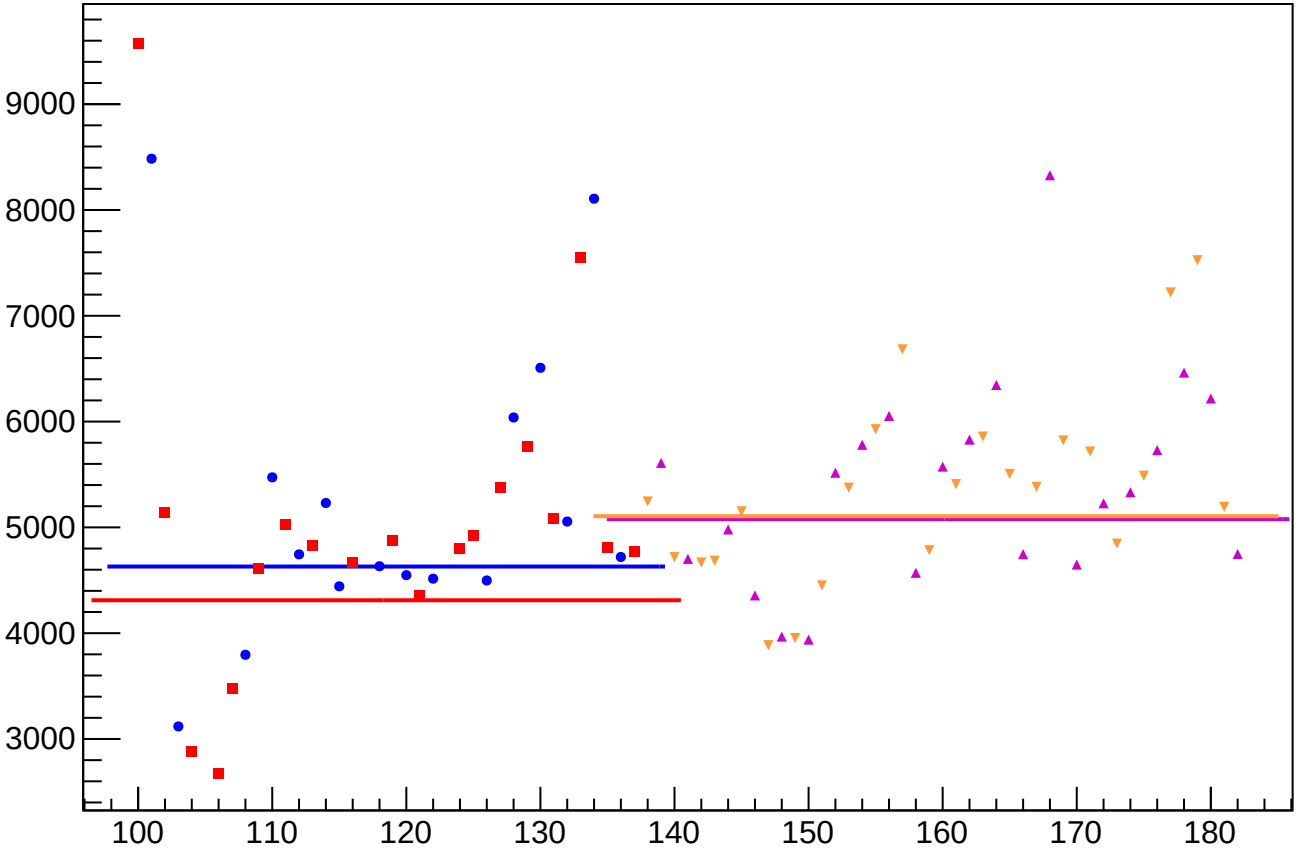
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2936.198+/-1004.248 χ^2/NDF:28.1/37

Out: 1877.591+/-982.466 χ^2/NDF:41.0/41

All: 2395.289+/-702.283 χ^2/NDF: 69.7/79

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 5105.716+/-0.859 χ^2/NDF:908720.6/22

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 5077.870+/-0.860 χ^2/NDF:990535.6/21

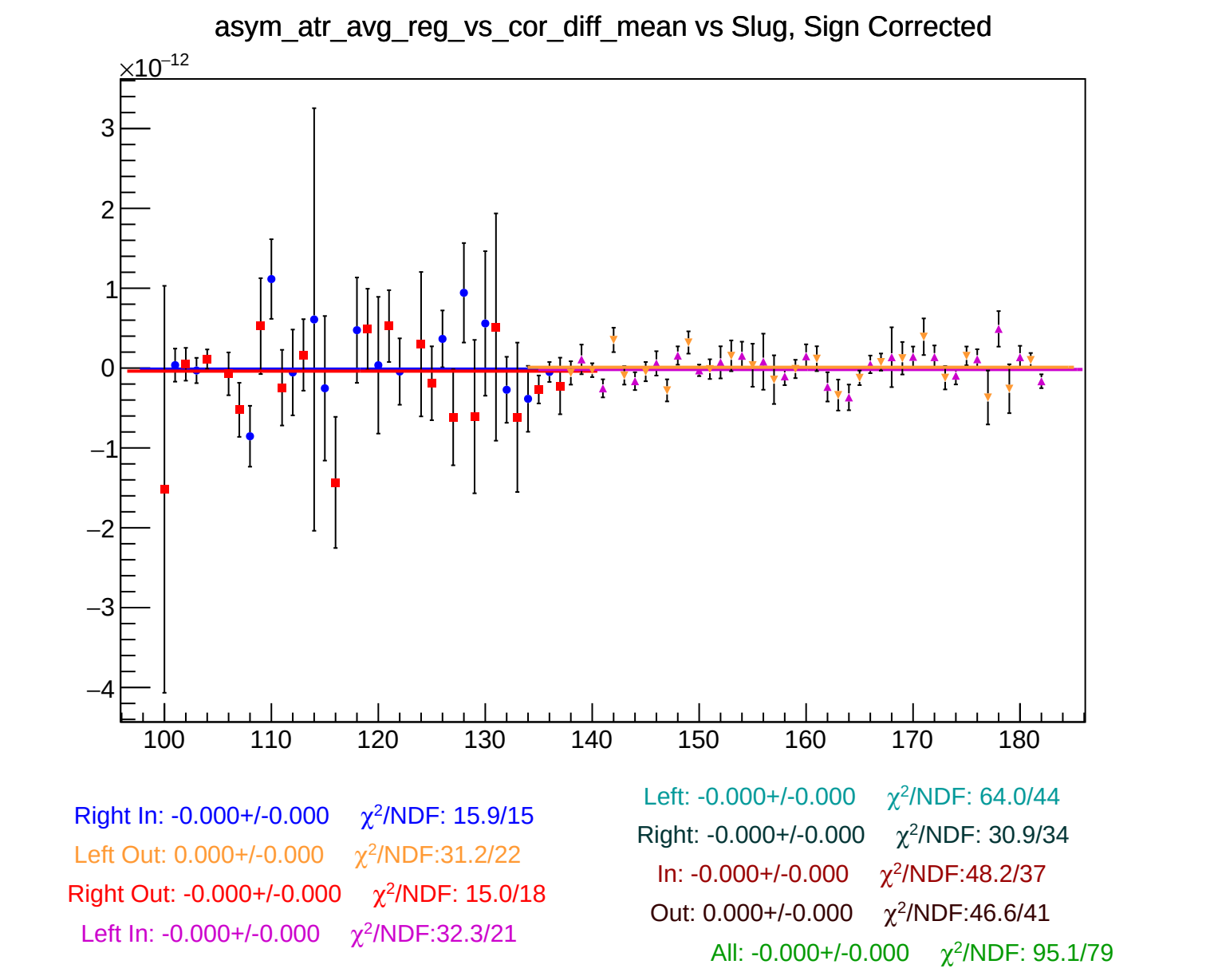
Left: 5091.810+/-0.607 χ^2/NDF: 1899781.5/44

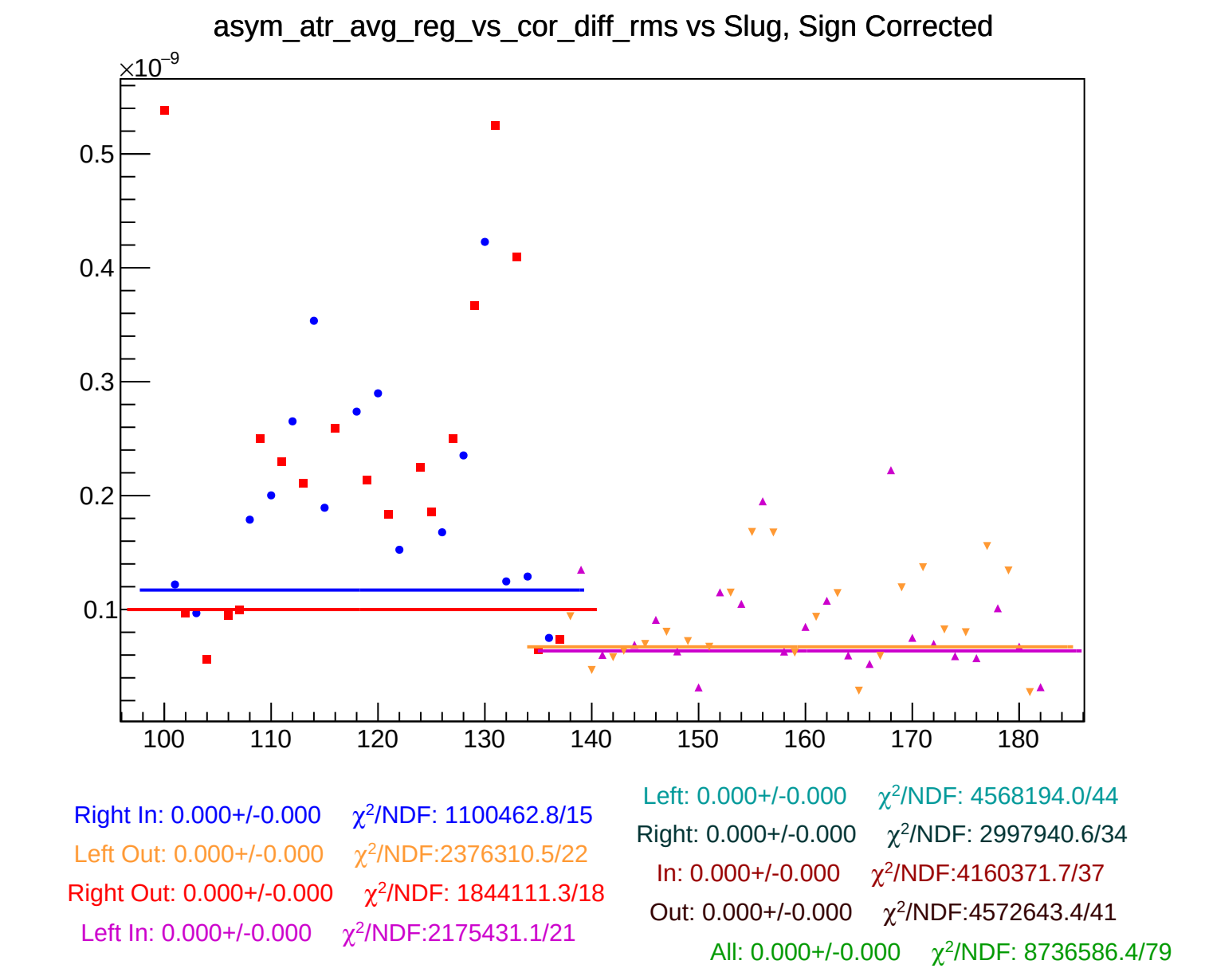
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4935.626+/-0.710 χ^2/NDF:1977004.5/37

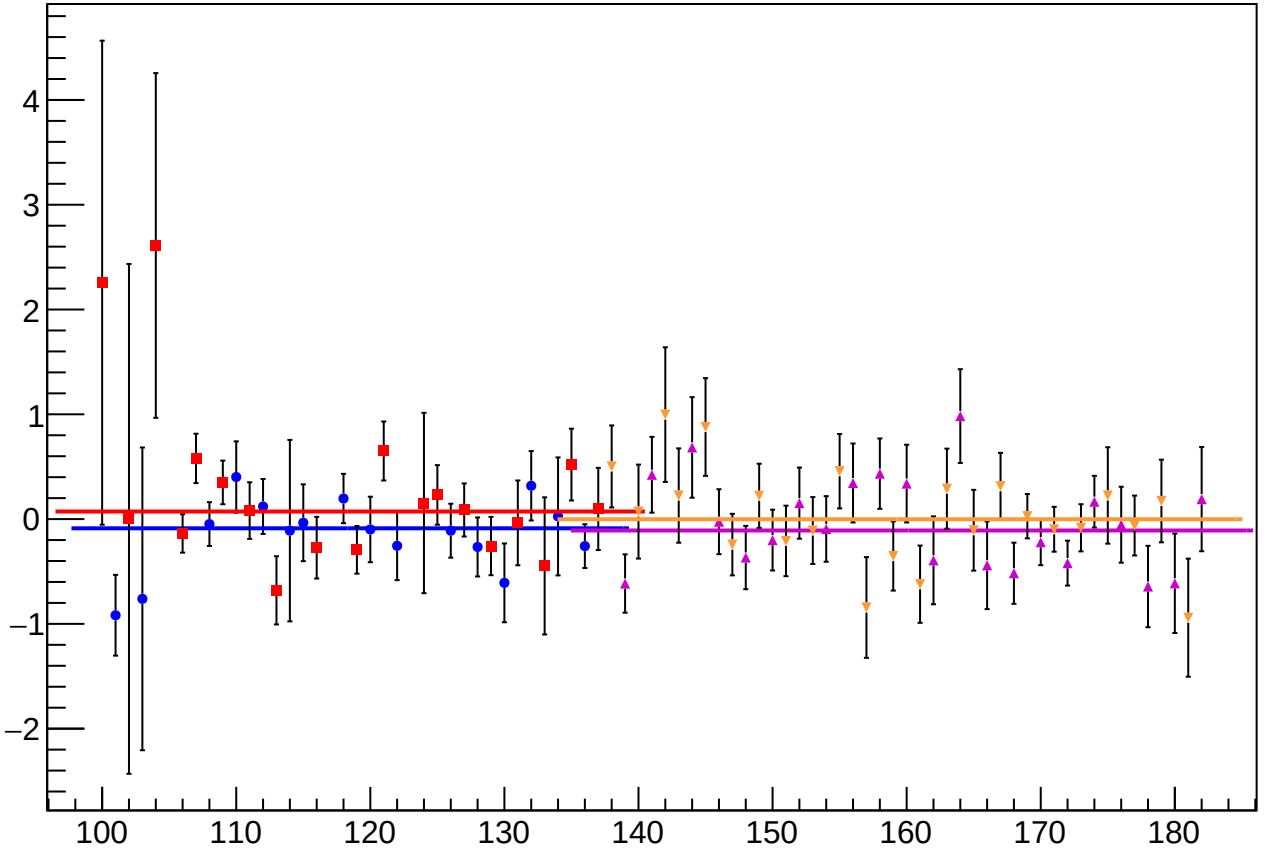
Out: 4828.227+/-0.693 χ^2/NDF:2112518.9/41

All: 4880.587+/-0.496 χ^2/NDF: 4101245.8/79


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
170
180
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: 0.000+/-0.000 χ²/NDF:31.2/22
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:32.3/21
Left: -0.000+/-0.000 χ²/NDF: 64.0/44
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:48.2/37
Out: 0.000+/-0.000 χ²/NDF:46.6/41
All: -0.000+/-0.000 χ²/NDF: 95.1/79


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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2376310.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:2175431.1/21
Left: 0.000+/-0.000 χ²/NDF: 4568194.0/44
Right: 0.000+/-0.000 χ²/NDF: 2997940.6/34
In: 0.000+/-0.000 χ²/NDF:4160371.7/37
Out: 0.000+/-0.000 χ²/NDF:4572643.4/41
All: 0.000+/-0.000 χ²/NDF: 8736586.4/79

asym_atr_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: -0.001+/-0.069 χ^2/NDF:23.6/22

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.109+/-0.069 χ^2/NDF:31.2/21

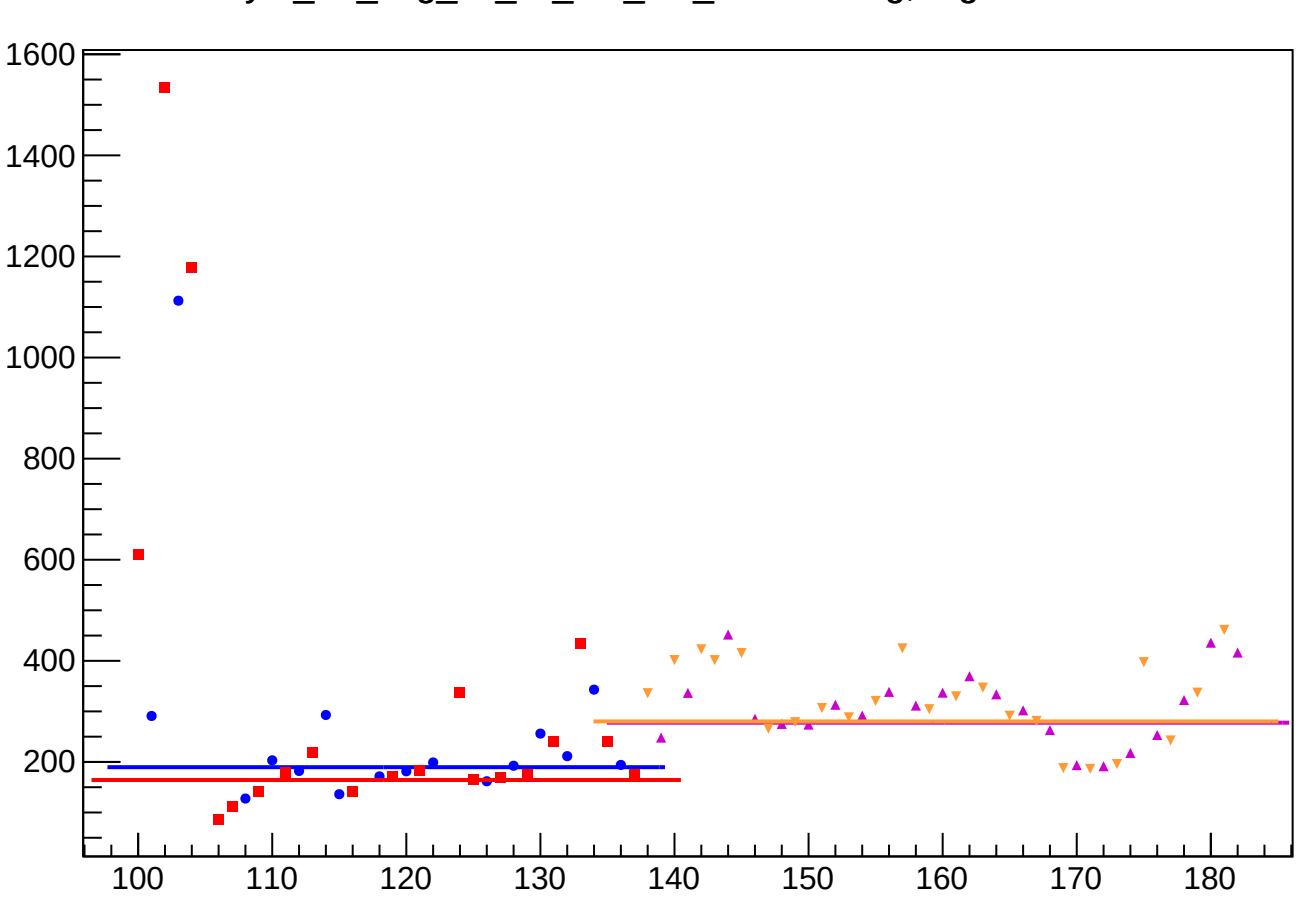
Left: -0.055+/-0.049 χ^2/NDF: 56.0/44

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.099+/-0.051 χ^2/NDF:45.1/37

Out: 0.035+/-0.049 χ^2/NDF:52.8/41

All: -0.029+/-0.036 χ^2/NDF: 101.5/79



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 280.113+/-0.049 χ^2/NDF:2394938.1/22

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 277.654+/-0.049 χ^2/NDF:1778834.8/21

Left: 278.874+/-0.035 χ^2/NDF: 4175034.4/44

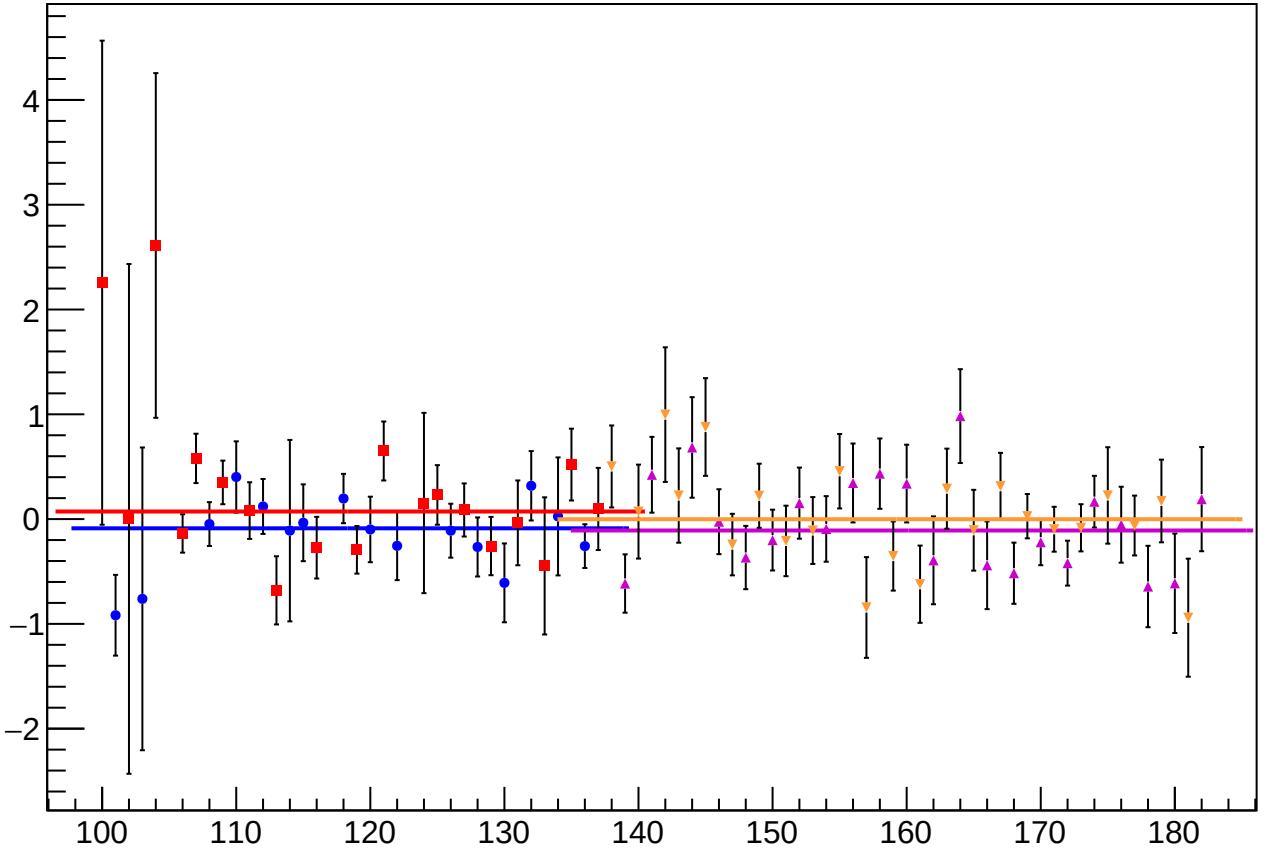
Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 238.322+/-0.036 χ^2/NDF:4698907.3/37

Out: 222.644+/-0.035 χ^2/NDF:7796221.4/41

All: 230.172+/-0.025 χ^2/NDF: 12592176.9/79

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: -0.001+/-0.069 χ^2/NDF:23.6/22

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.109+/-0.069 χ^2/NDF:31.2/21

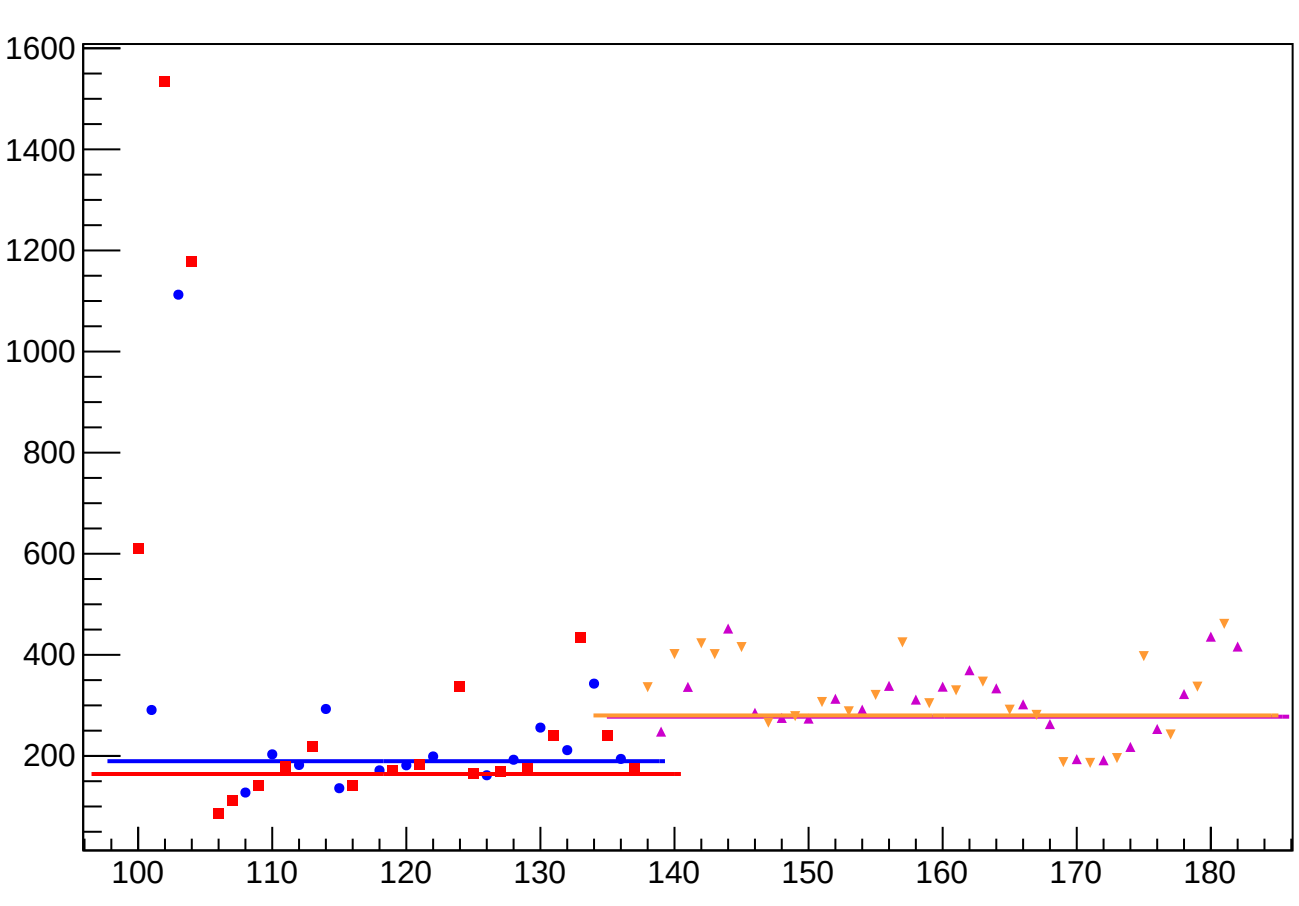
Left: -0.055+/-0.049 χ^2/NDF: 56.0/44

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.099+/-0.051 χ^2/NDF:45.1/37

Out: 0.035+/-0.049 χ^2/NDF:52.8/41

All: -0.029+/-0.036 χ^2/NDF: 101.5/79



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 280.113+/-0.049 χ^2/NDF:2394938.1/22

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 277.654+/-0.049 χ^2/NDF:1778834.8/21

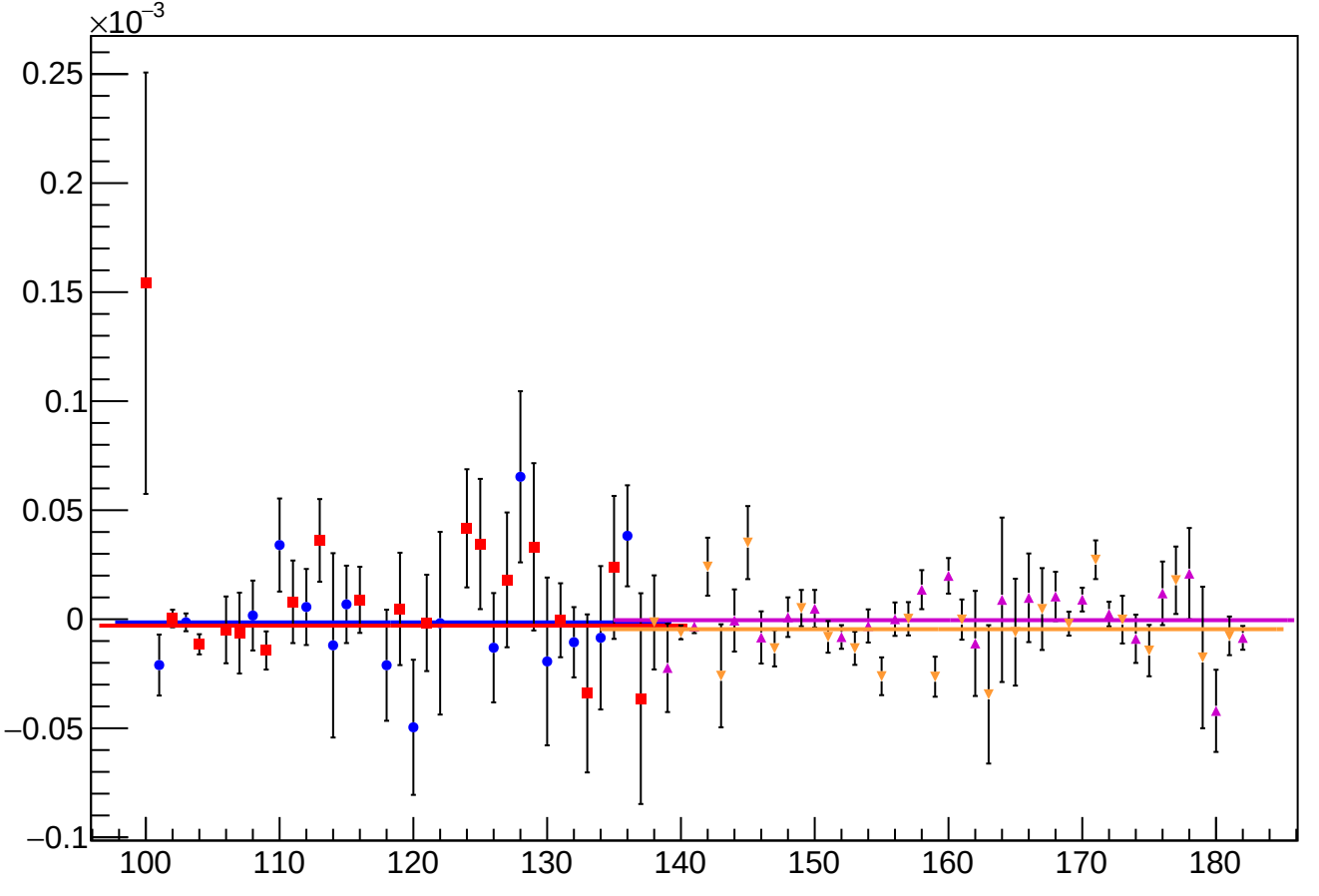
Left: 278.874+/-0.035 χ^2/NDF: 4175034.4/44

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 238.322+/-0.036 χ^2/NDF:4698907.3/37

Out: 222.644+/-0.035 χ^2/NDF:7796221.4/41

All: 230.172+/-0.025 χ^2/NDF: 12592176.9/79



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:27.8/21

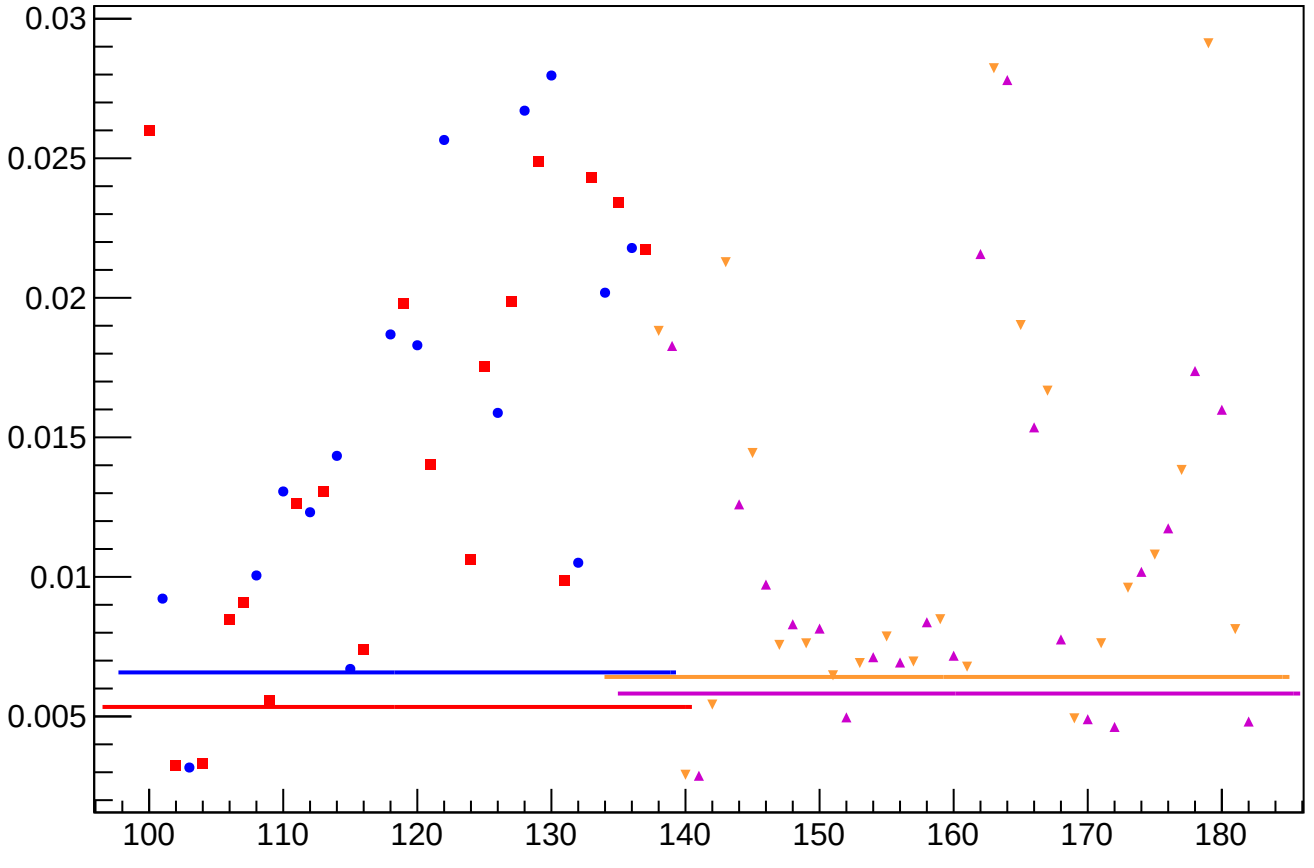
Left: -0.000+/-0.000 χ^2/NDF: 76.0/44

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:42.7/37

Out: -0.000+/-0.000 χ^2/NDF:66.8/41

All: -0.000+/-0.000 χ^2/NDF: 112.3/79



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:8838734.9/22

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:8019996.5/21

Left: 0.006+/-0.000 χ^2/NDF: 16979704.0/44

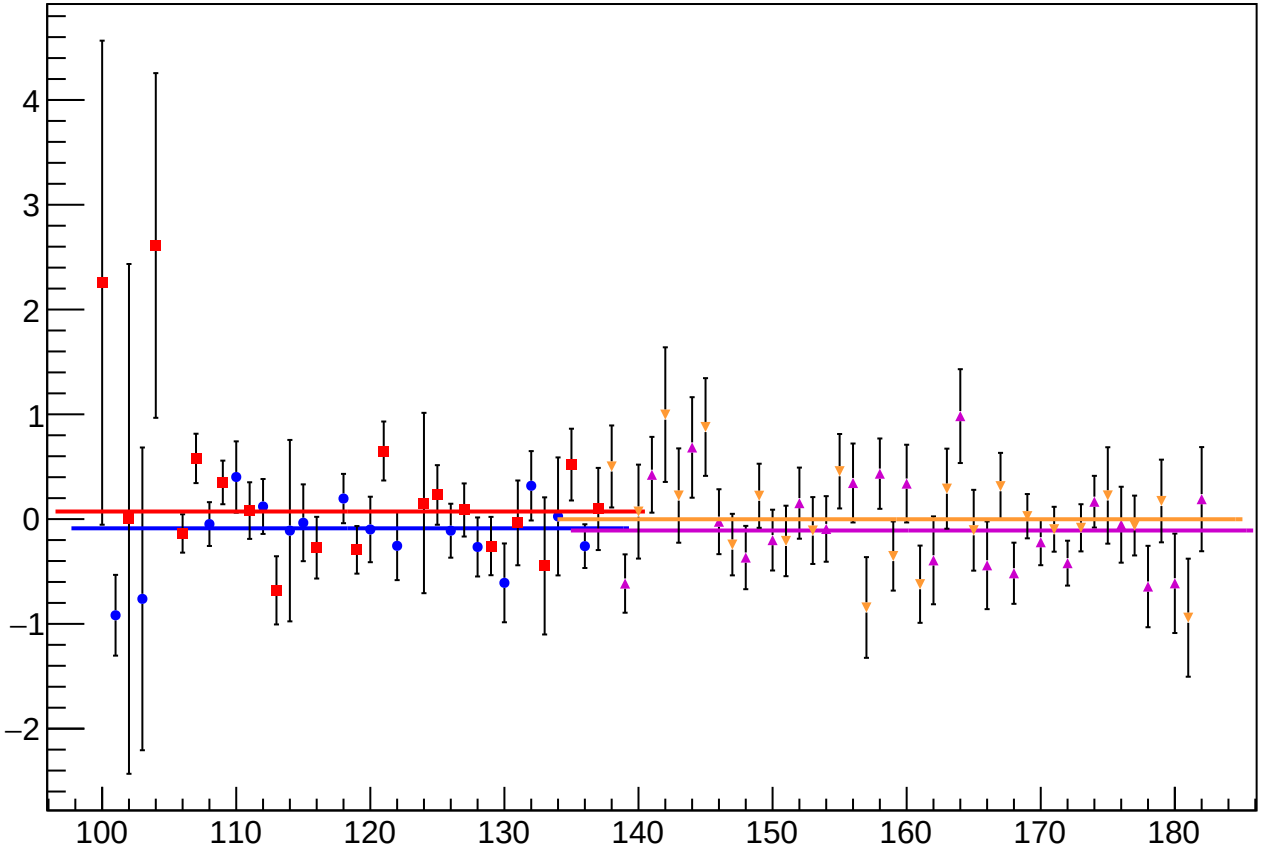
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:14031903.6/37

Out: 0.006+/-0.000 χ^2/NDF:14762057.1/41

All: 0.006+/-0.000 χ^2/NDF: 28798333.6/79

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: -0.001+/-0.069 χ^2/NDF:23.6/22

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.109+/-0.069 χ^2/NDF:31.2/21

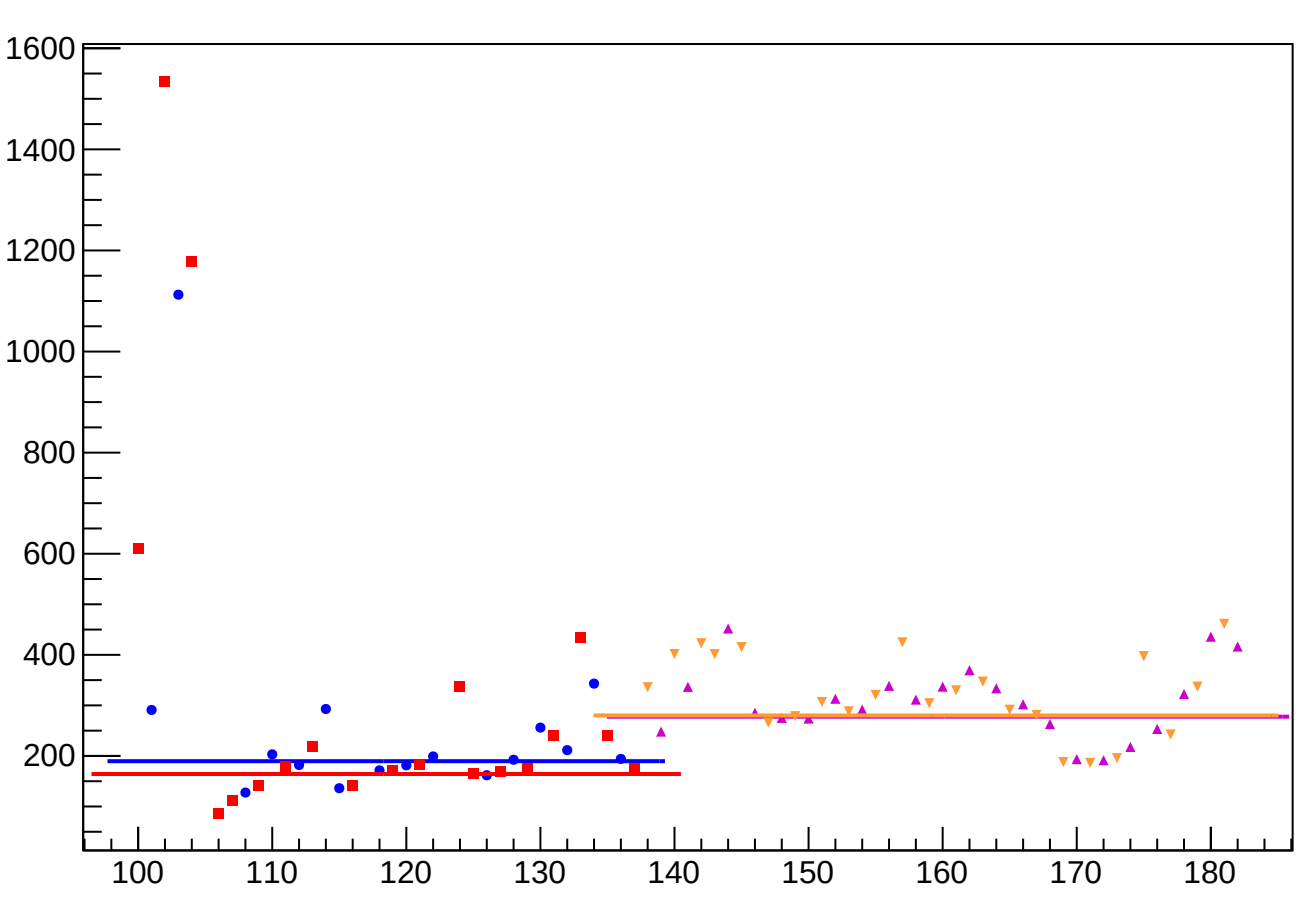
Left: -0.055+/-0.049 χ^2/NDF: 56.0/44

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.099+/-0.051 χ^2/NDF:45.1/37

Out: 0.035+/-0.049 χ^2/NDF:52.8/41

All: -0.029+/-0.036 χ^2/NDF: 101.5/79



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 280.115+/-0.049 χ^2/NDF:2395010.3/22

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 277.656+/-0.049 χ^2/NDF:1778876.8/21

Left: 278.877+/-0.035 χ^2/NDF: 4175148.4/44

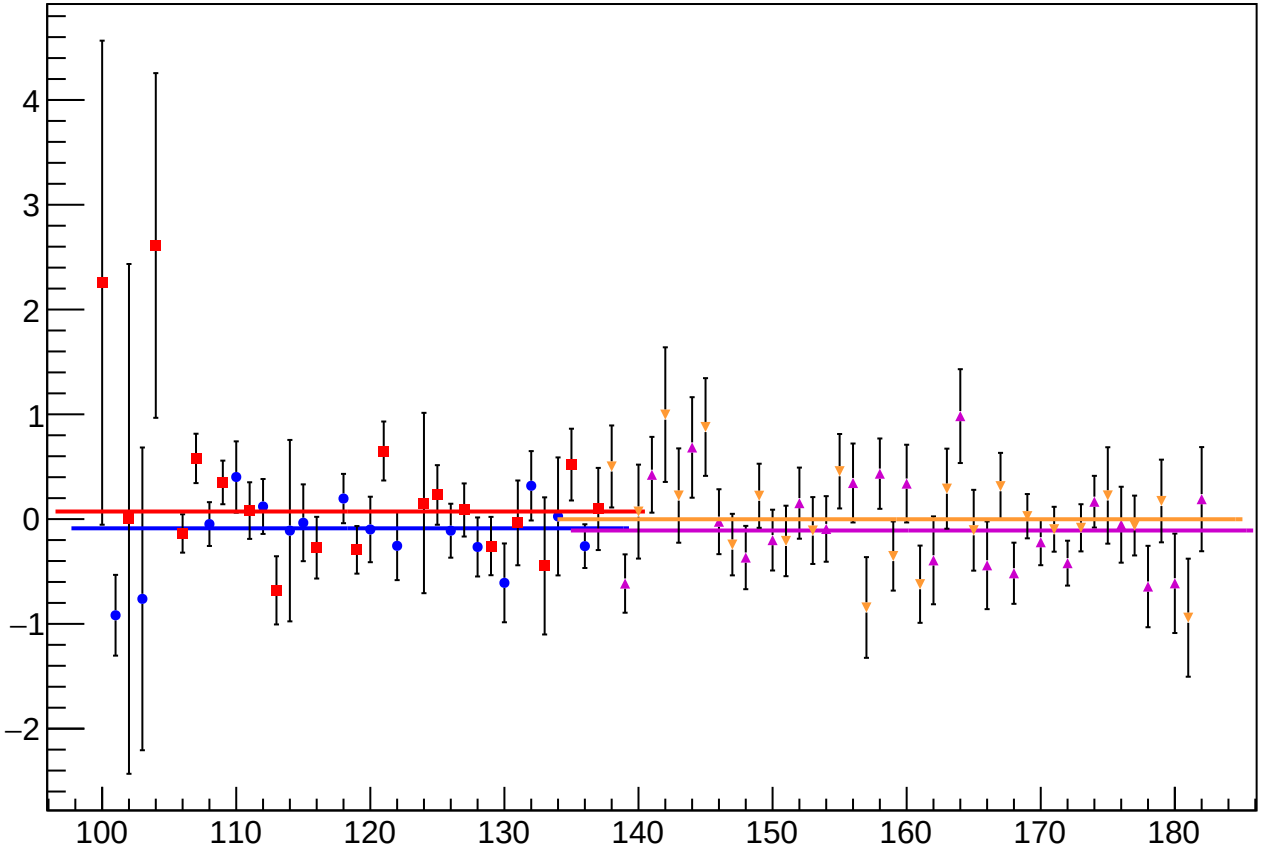
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 238.322+/-0.036 χ^2/NDF:4699038.5/37

Out: 222.644+/-0.035 χ^2/NDF:7796411.8/41

All: 230.172+/-0.025 χ^2/NDF: 12592503.9/79

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: -0.001+/-0.069 χ^2/NDF:23.6/22

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.109+/-0.069 χ^2/NDF:31.2/21

Left: -0.055+/-0.049 χ^2/NDF: 56.0/44

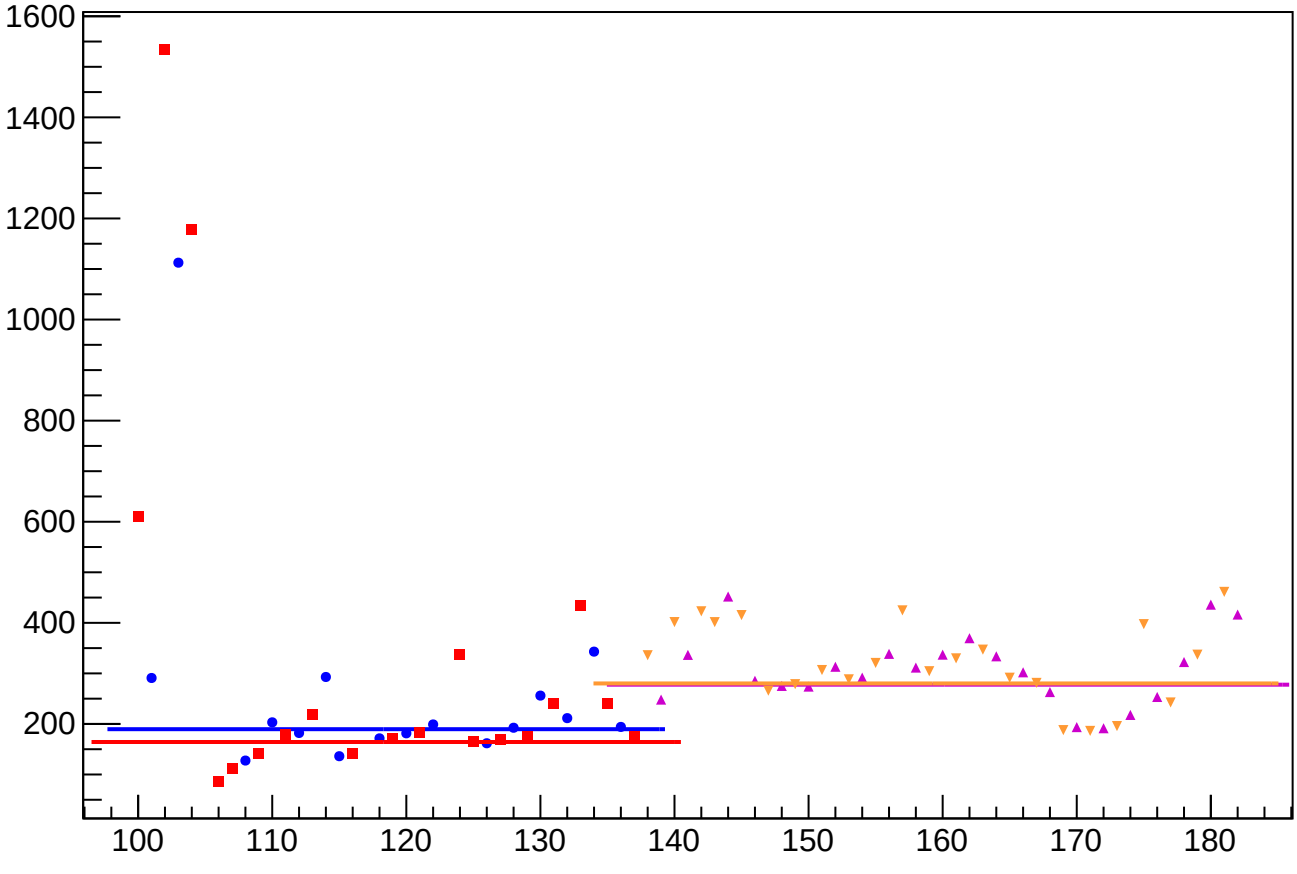
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.099+/-0.051 χ^2/NDF:45.1/37

Out: 0.035+/-0.049 χ^2/NDF:52.8/41

All: -0.029+/-0.036 χ^2/NDF: 101.5/79

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: 280.115+/-0.049 χ^2/NDF:2395010.3/22

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 277.656+/-0.049 χ^2/NDF:1778876.8/21

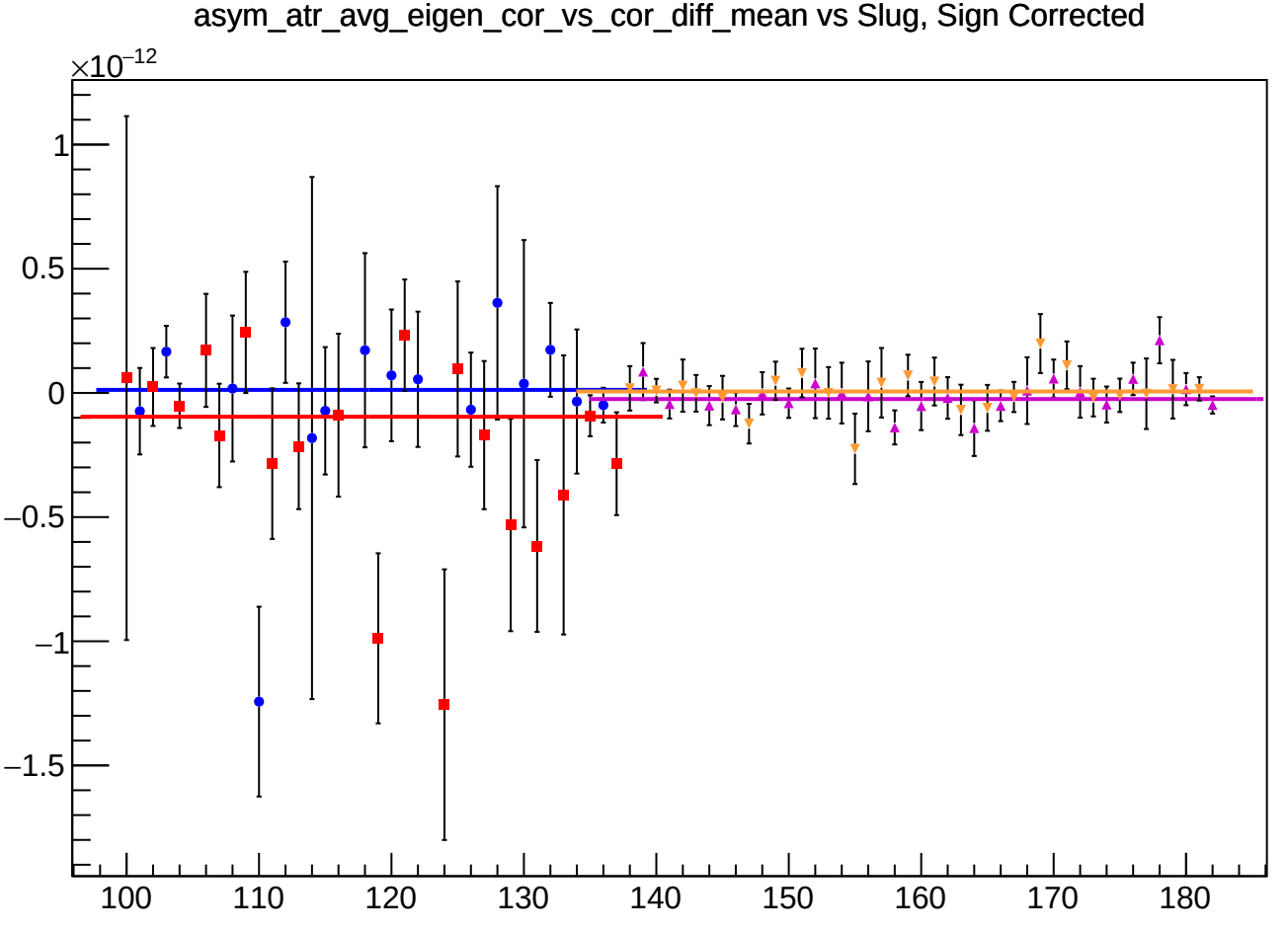
Left: 278.877+/-0.035 χ^2/NDF: 4175148.4/44

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 238.322+/-0.036 χ^2/NDF:4699038.5/37

Out: 222.644+/-0.035 χ^2/NDF:7796411.8/41

All: 230.172+/-0.025 χ^2/NDF: 12592503.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/22

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/21

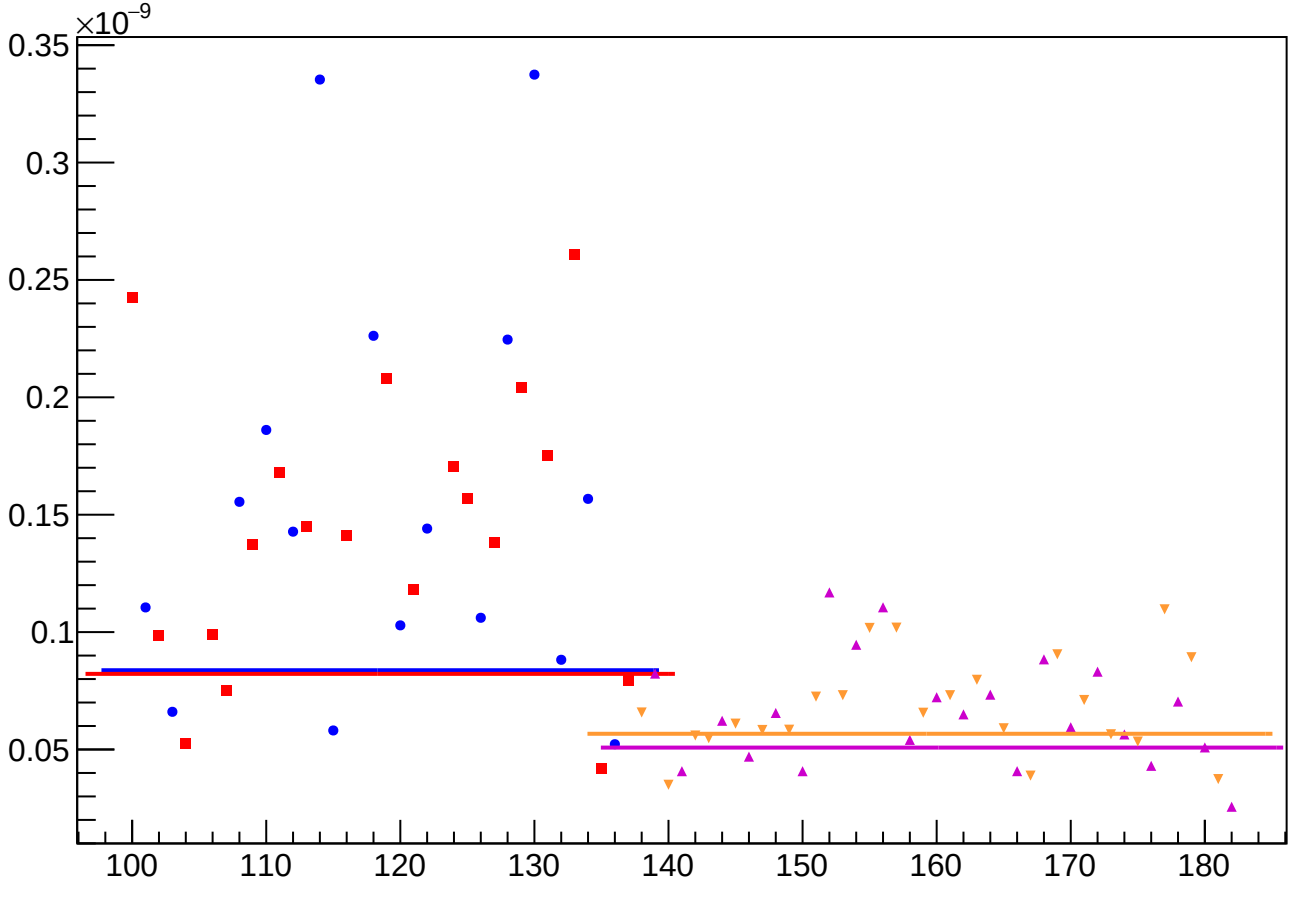
Left: -0.000+/-0.000 χ^2/NDF: 30.5/44

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:34.0/37

Out: -0.000+/-0.000 χ^2/NDF:40.1/41

All: -0.000+/-0.000 χ^2/NDF: 74.6/79



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2300737.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3300590.3/21

Left: 0.000+/-0.000 χ^2/NDF: 5731547.6/44

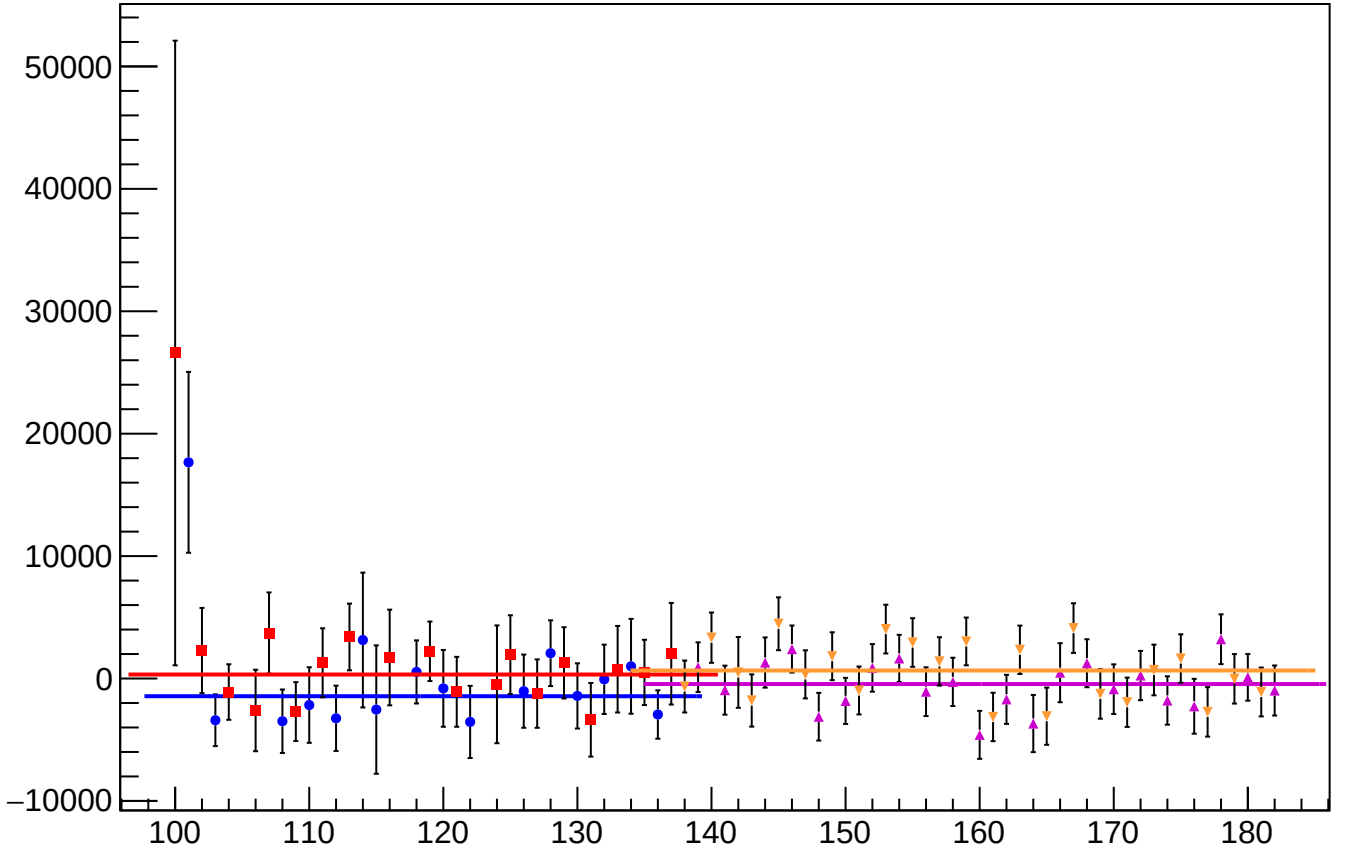
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:6344930.2/37

Out: 0.000+/-0.000 χ^2/NDF:5141483.7/41

All: 0.000+/-0.000 χ^2/NDF: 11620284.5/79

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 654.614+/-427.291 χ^2/NDF:29.8/22

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -451.736+/-429.745 χ^2/NDF:20.0/21

Left: 104.607+/-303.005 χ^2/NDF: 53.1/44

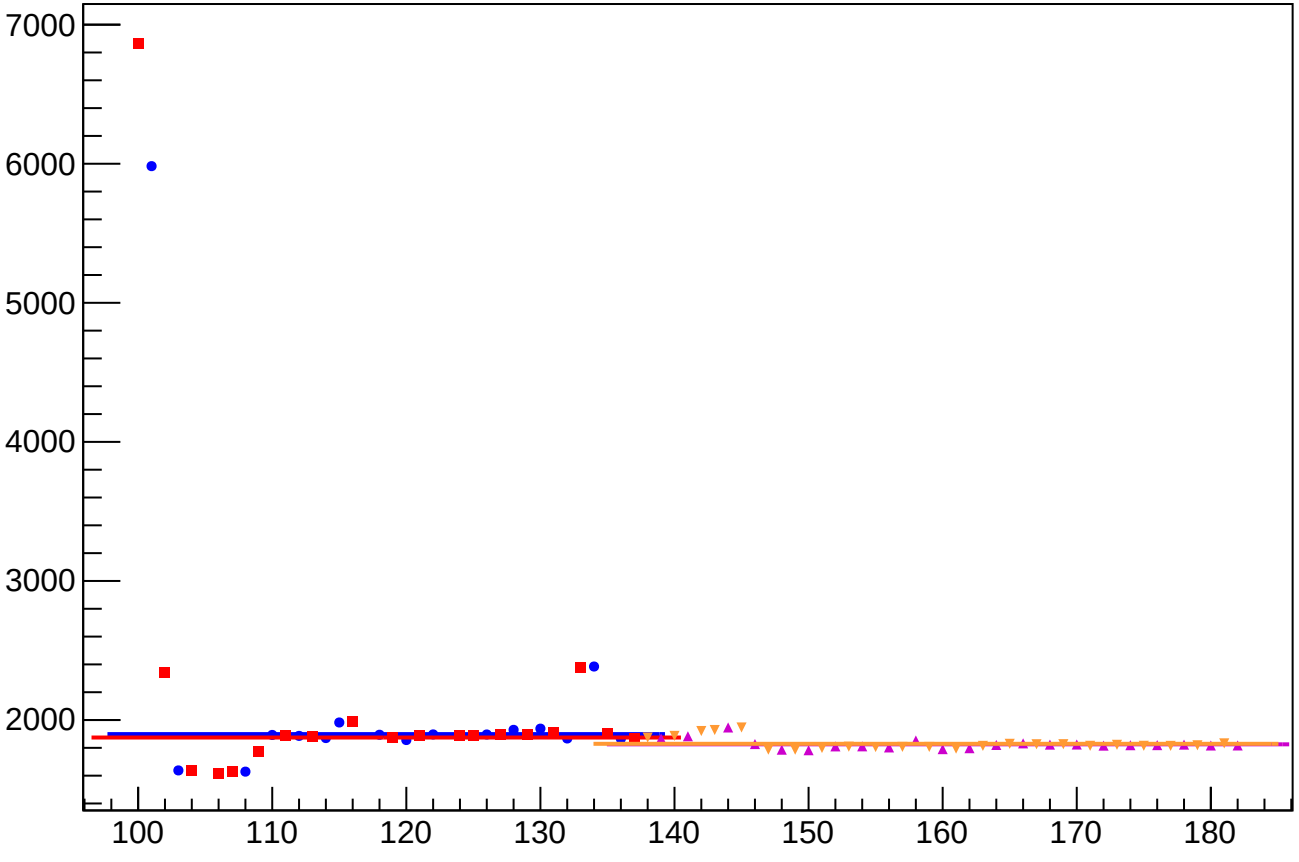
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -711.373+/-369.433 χ^2/NDF:34.9/37

Out: 565.874+/-365.086 χ^2/NDF:39.9/41

All: -65.190+/-259.678 χ^2/NDF: 80.8/79

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1829.045+/-0.302 χ^2/NDF:19171.1/22

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1825.284+/-0.304 χ^2/NDF:13350.8/21

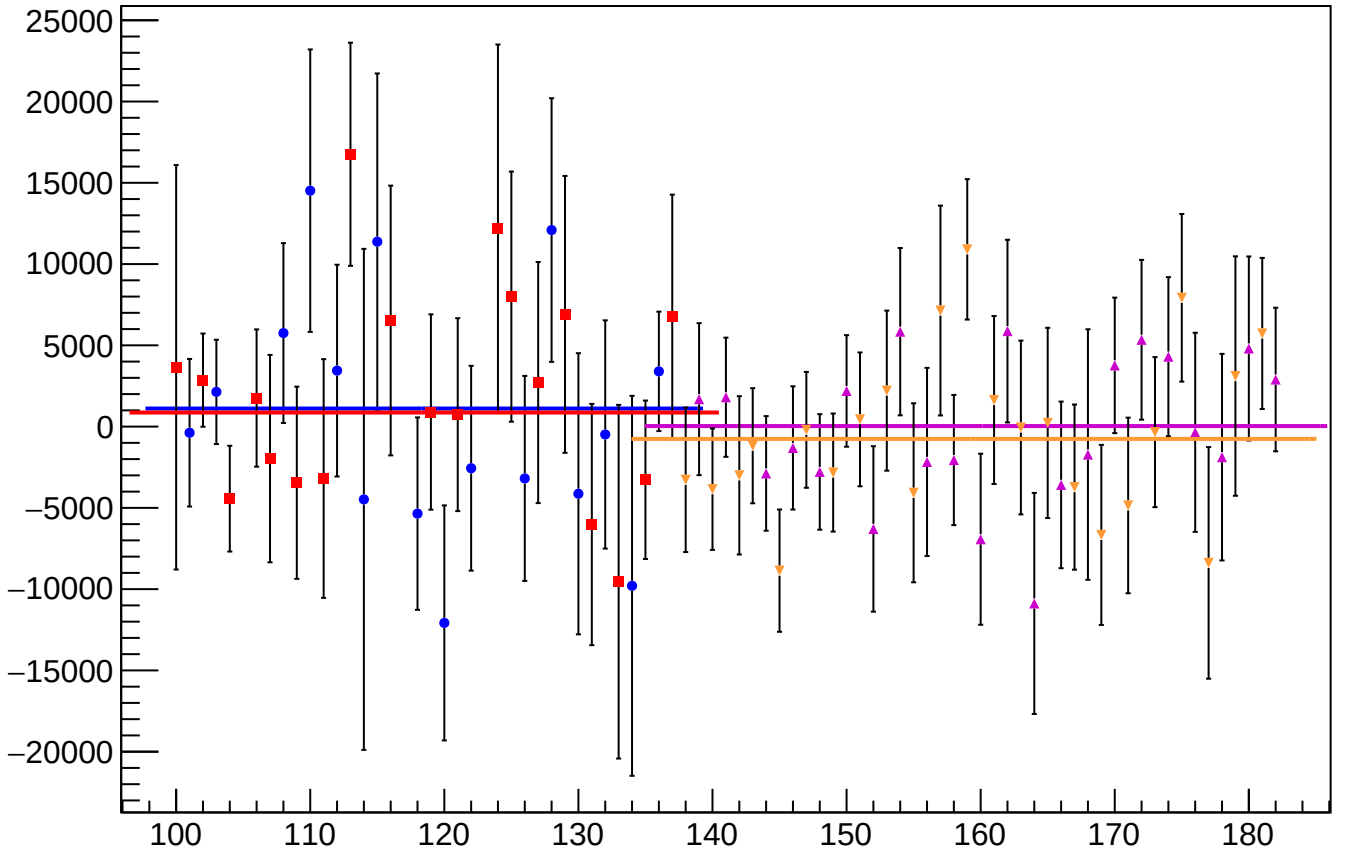
Left: 1827.175+/-0.214 χ^2/NDF: 32599.0/44

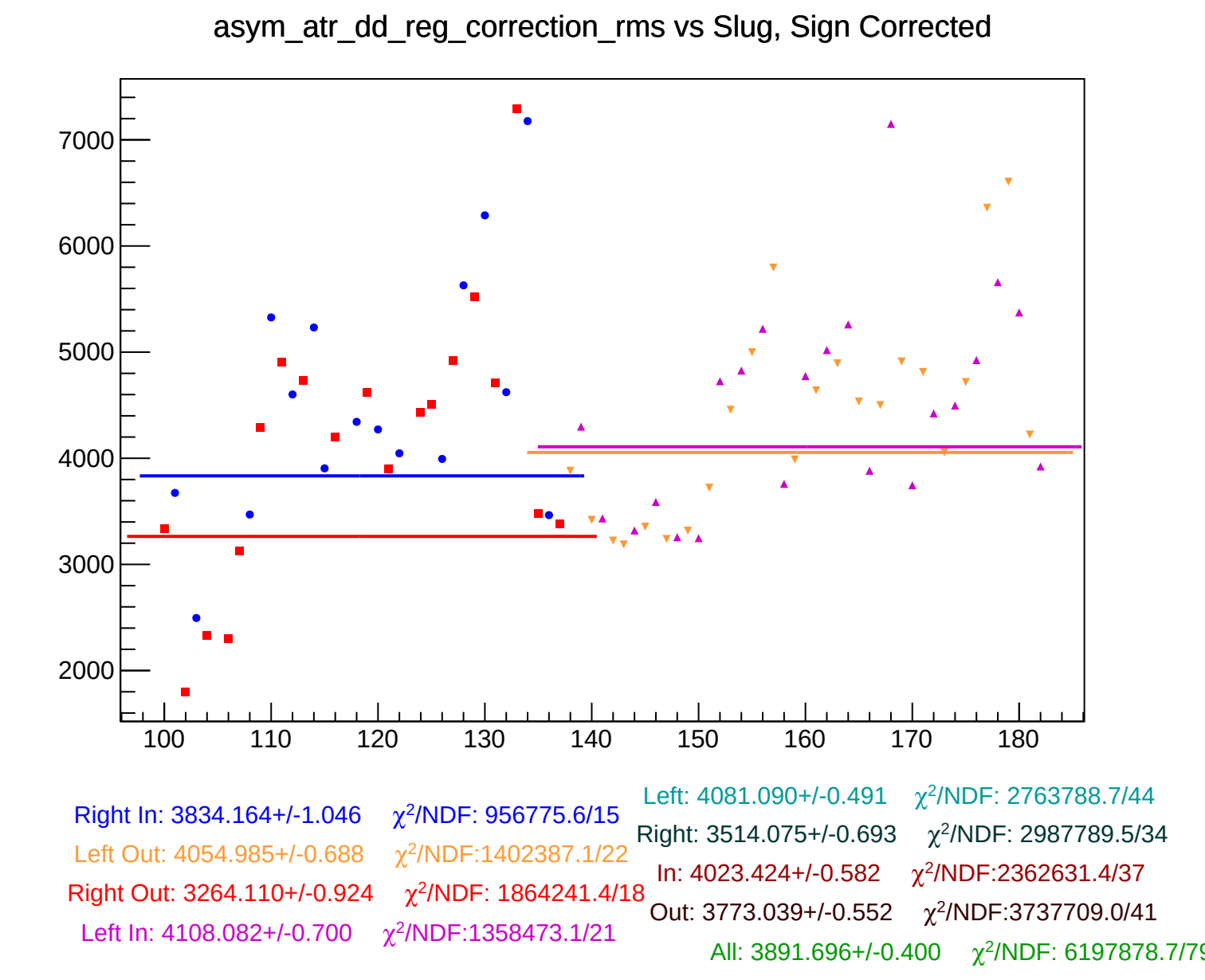
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

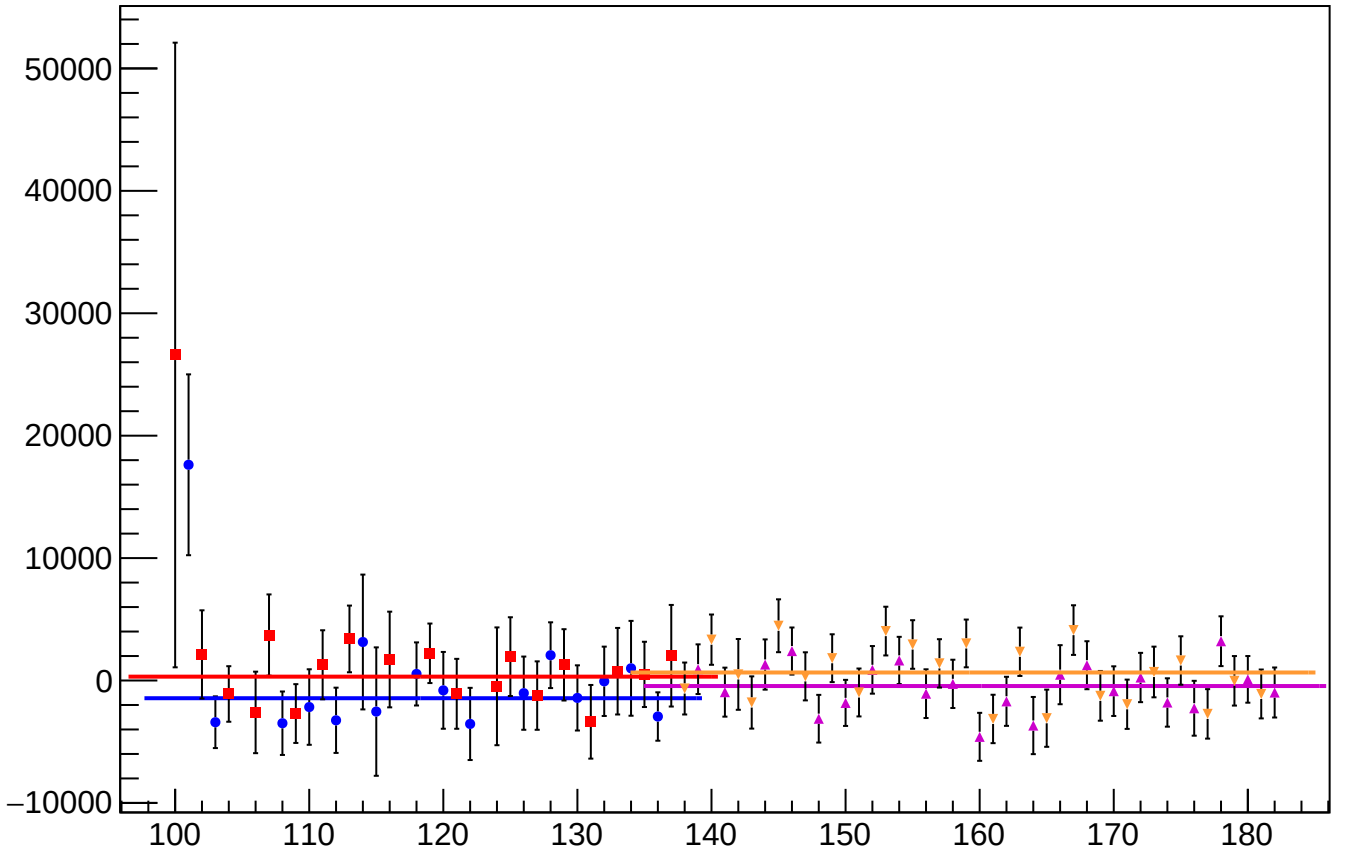
In: 1844.478+/-0.261 χ^2/NDF:726151.6/37

Out: 1841.310+/-0.258 χ^2/NDF:232902.2/41

All: 1842.873+/-0.184 χ^2/NDF: 959128.3/79


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
170
180
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -758.088+/-972.979 χ²/NDF:24.3/22
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: 32.885+/-989.352 χ²/NDF:15.3/21
Left: -369.200+/-693.716 χ²/NDF: 40.0/44
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: 366.618+/-822.375 χ²/NDF:29.1/37
Out: -178.756+/-780.510 χ²/NDF:41.0/41
All: 79.697+/-566.126 χ²/NDF: 70.3/79


asym_atr_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3834.164+/-1.046 χ²/NDF: 956775.6/15
Left Out: 4054.985+/-0.688 χ²/NDF:1402387.1/22
Right Out: 3264.110+/-0.924 χ²/NDF: 1864241.4/18
Left In: 4108.082+/-0.700 χ²/NDF:1358473.1/21
Left: 4081.090+/-0.491 χ²/NDF: 2763788.7/44
Right: 3514.075+/-0.693 χ²/NDF: 2987789.5/34
In: 4023.424+/-0.582 χ²/NDF:2362631.4/37
Out: 3773.039+/-0.552 χ²/NDF:3737709.0/41
All: 3891.696+/-0.400 χ²/NDF: 6197878.7/79



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 654.702+/-427.291 χ^2/NDF:29.8/22

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -451.609+/-429.745 χ^2/NDF:20.0/21

Left: 104.714+/-303.005 χ^2/NDF: 53.1/44

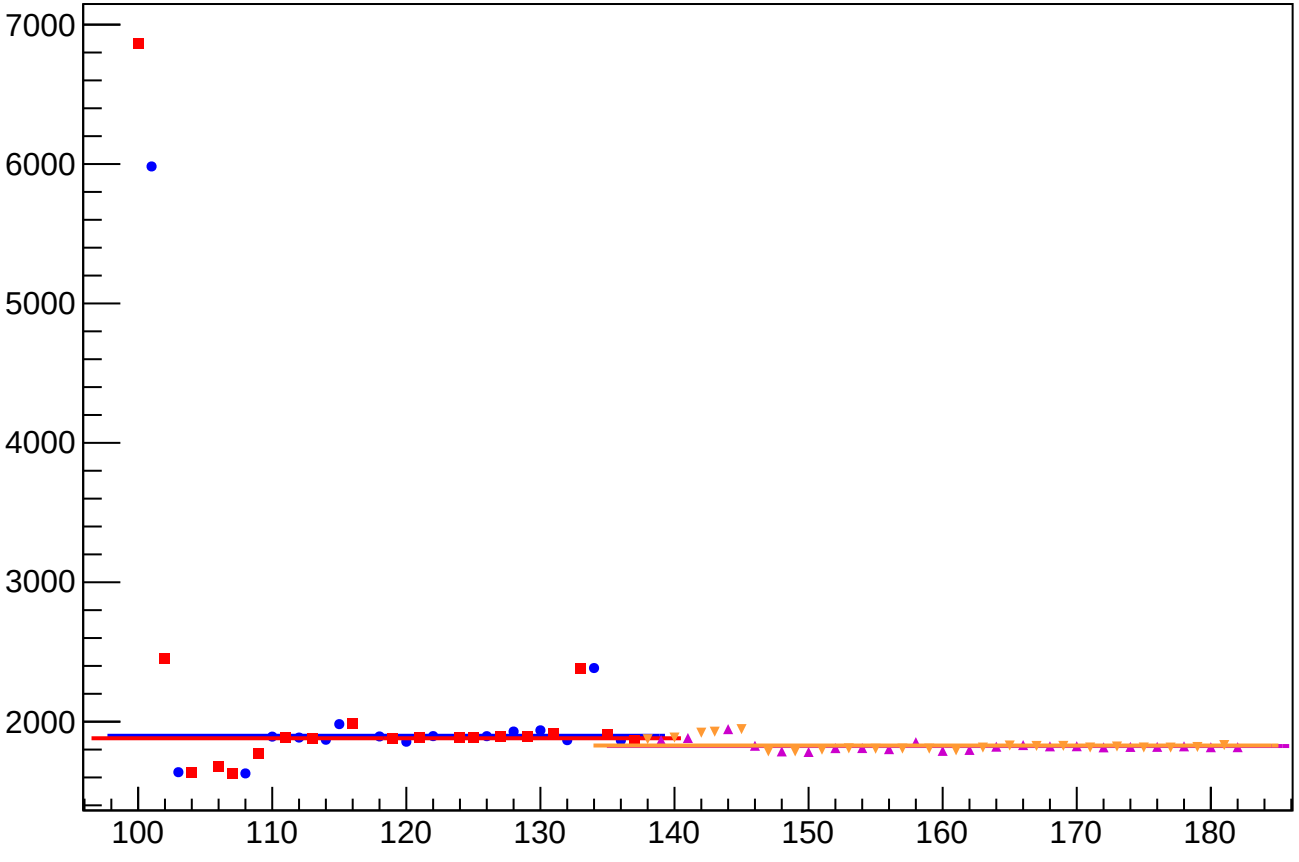
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -711.380+/-369.433 χ^2/NDF:34.8/37

Out: 563.298+/-365.218 χ^2/NDF:39.9/41

All: -66.728+/-259.726 χ^2/NDF: 80.7/79

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1829.045+/-0.302 χ^2/NDF:19171.1/22

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1825.284+/-0.304 χ^2/NDF:13350.8/21

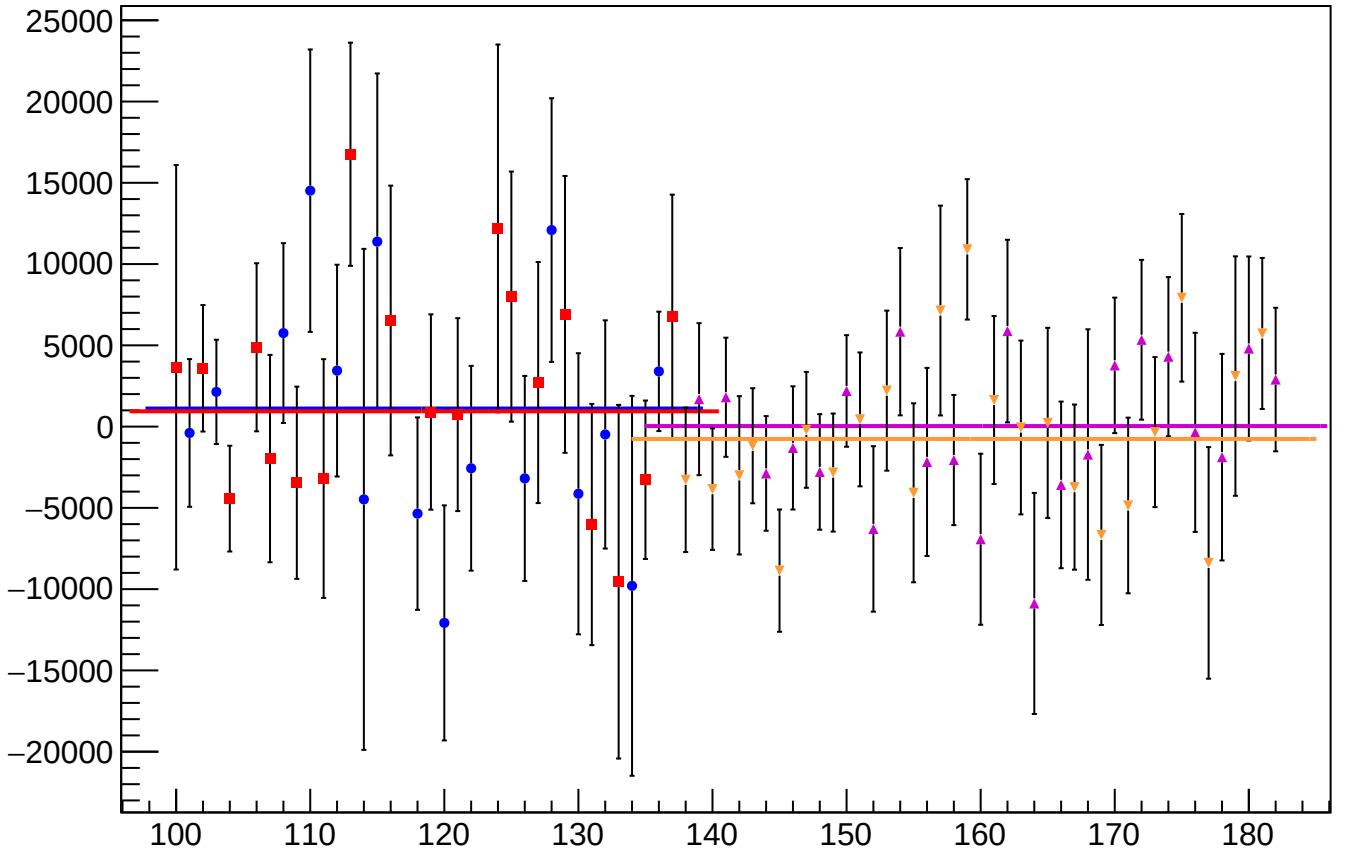
Left: 1827.175+/-0.214 χ^2/NDF: 32598.9/44

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1844.478+/-0.261 χ^2/NDF:726151.7/37

Out: 1843.077+/-0.258 χ^2/NDF:243722.5/41

All: 1843.769+/-0.184 χ^2/NDF: 969888.7/79



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -758.082+/-972.979 χ^2/NDF:24.3/22

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 32.891+/-989.351 χ^2/NDF:15.3/21

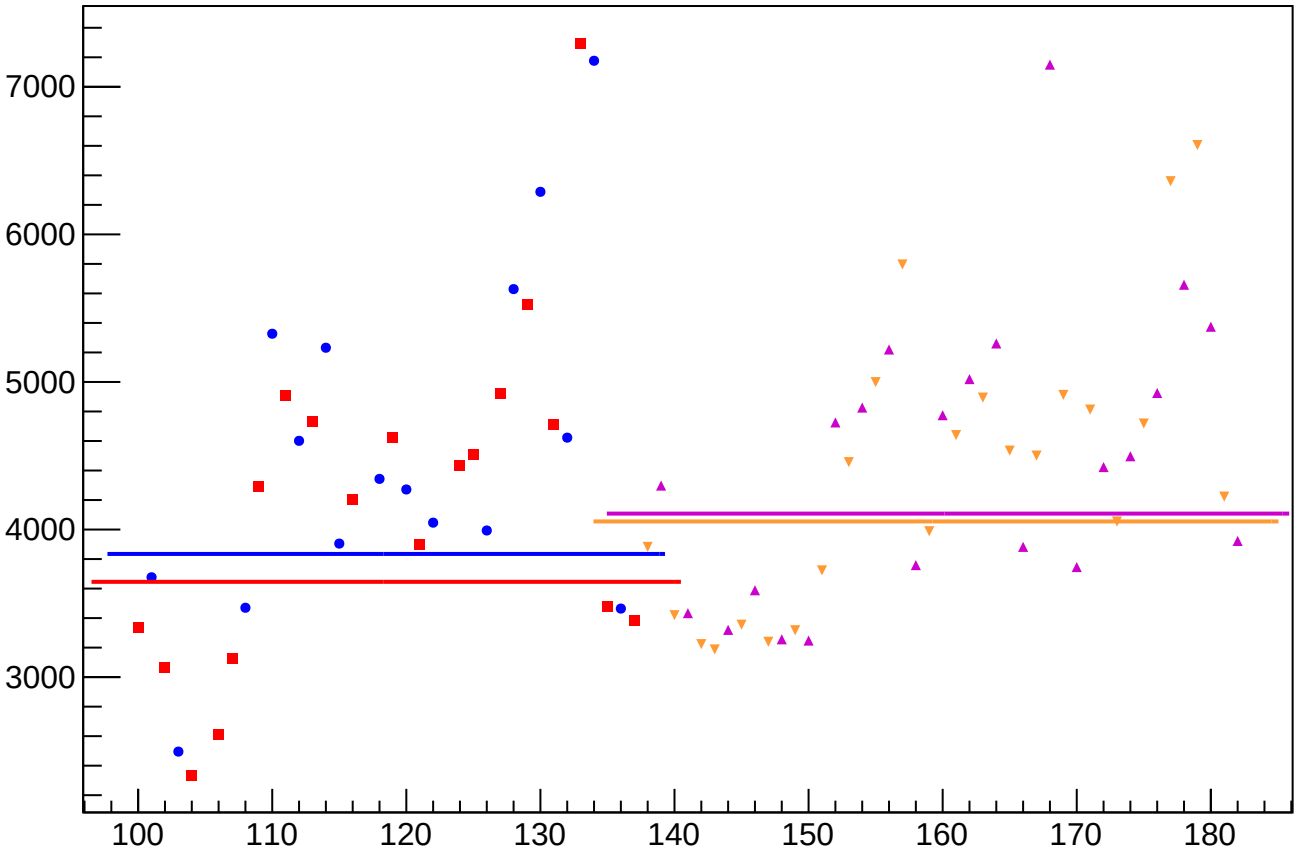
Left: -369.194+/-693.716 χ^2/NDF: 40.0/44

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 366.206+/-822.404 χ^2/NDF:29.1/37

Out: -204.260+/-798.786 χ^2/NDF:41.5/41

All: 72.664+/-572.995 χ^2/NDF: 70.9/79



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4054.981+/-0.688 χ^2/NDF:1402381.0/22

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4108.077+/-0.700 χ^2/NDF:1358480.5/21

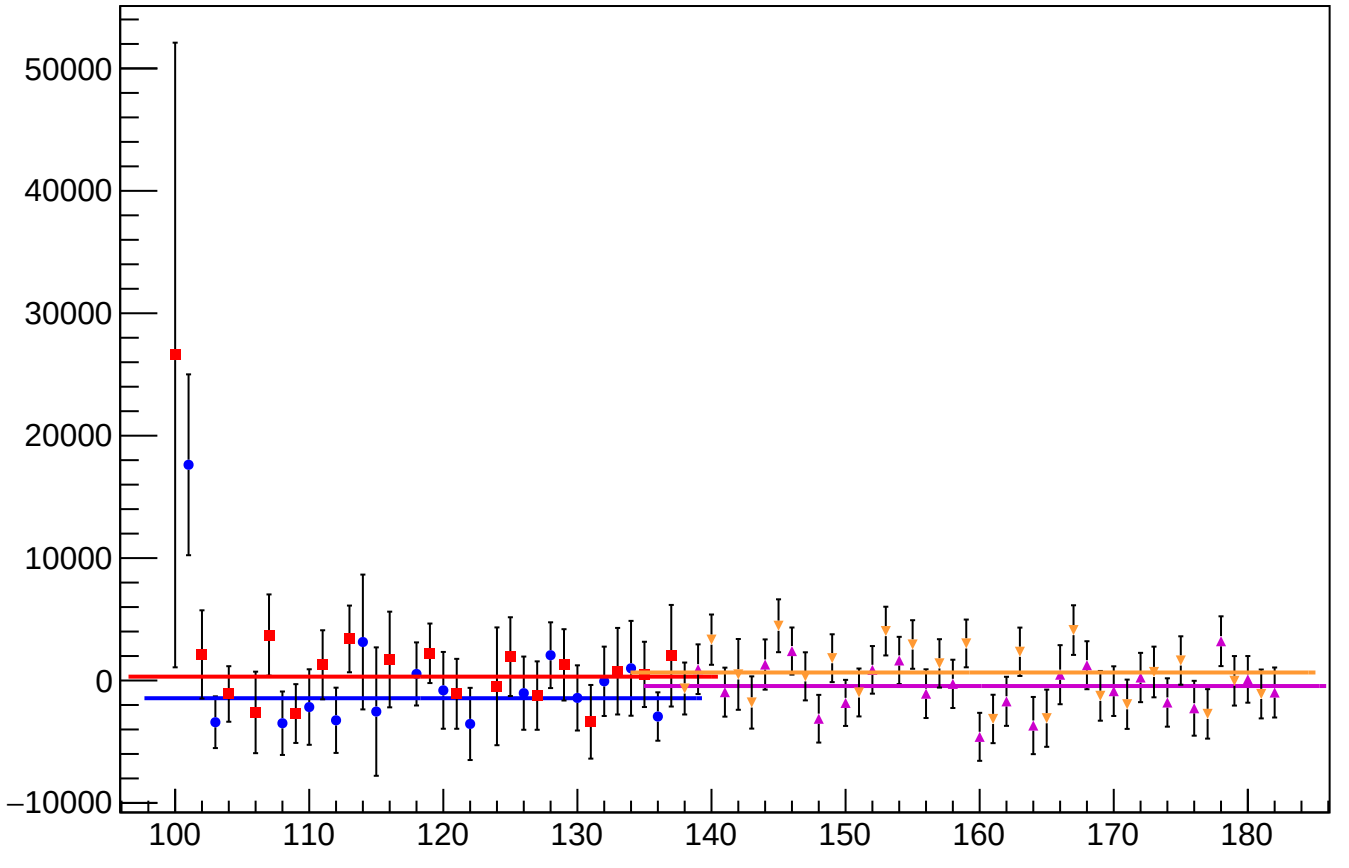
Left: 4081.086+/-0.491 χ^2/NDF: 2763789.7/44

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 4023.597+/-0.582 χ^2/NDF:2361983.9/37

Out: 3921.548+/-0.565 χ^2/NDF:2642739.6/41

All: 3971.086+/-0.405 χ^2/NDF: 5020569.2/79



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 654.702+/-427.291 χ^2/NDF:29.8/22

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -451.609+/-429.745 χ^2/NDF:20.0/21

Left: 104.714+/-303.005 χ^2/NDF: 53.1/44

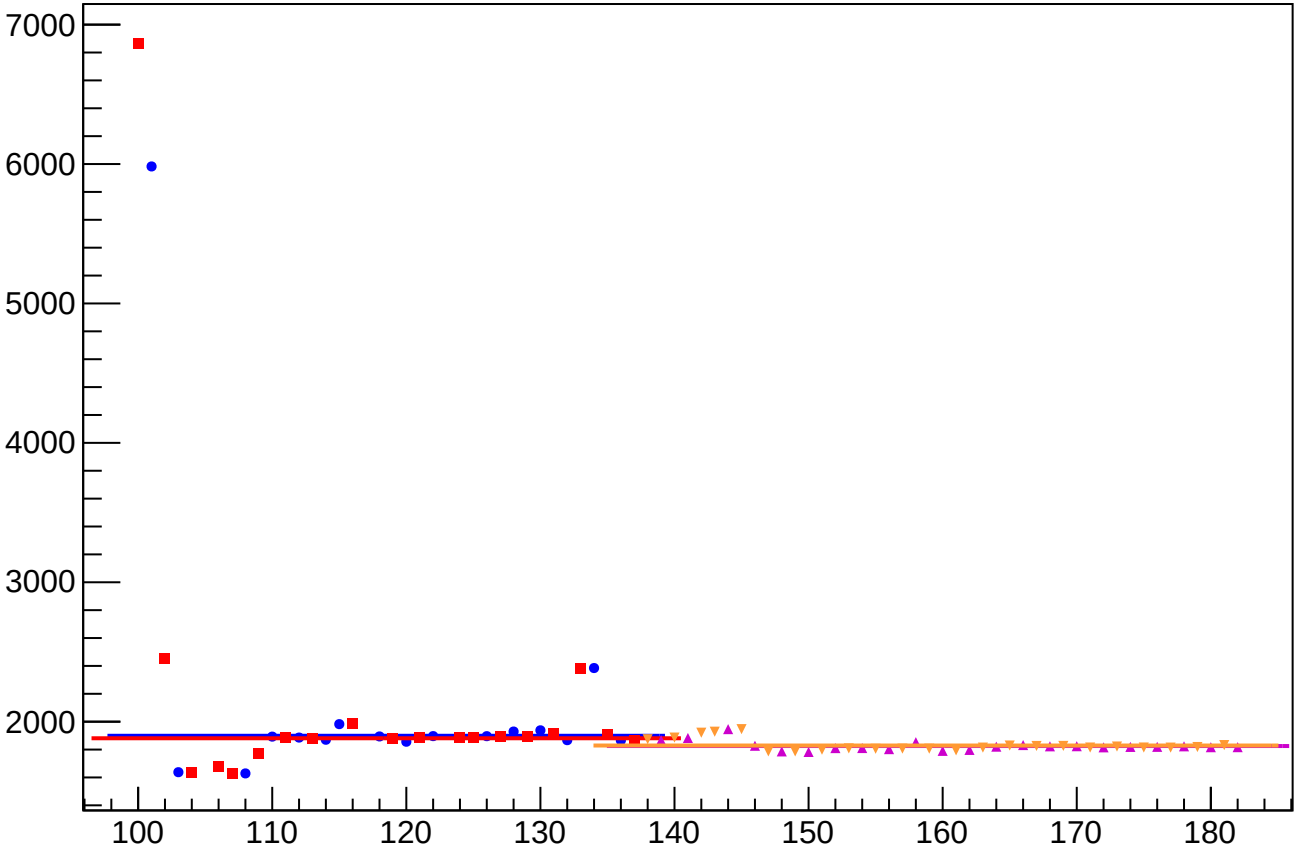
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -711.380+/-369.433 χ^2/NDF:34.8/37

Out: 563.298+/-365.218 χ^2/NDF:39.9/41

All: -66.728+/-259.726 χ^2/NDF: 80.7/79

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1829.045+/-0.302 χ^2/NDF:19171.1/22

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1825.284+/-0.304 χ^2/NDF:13350.8/21

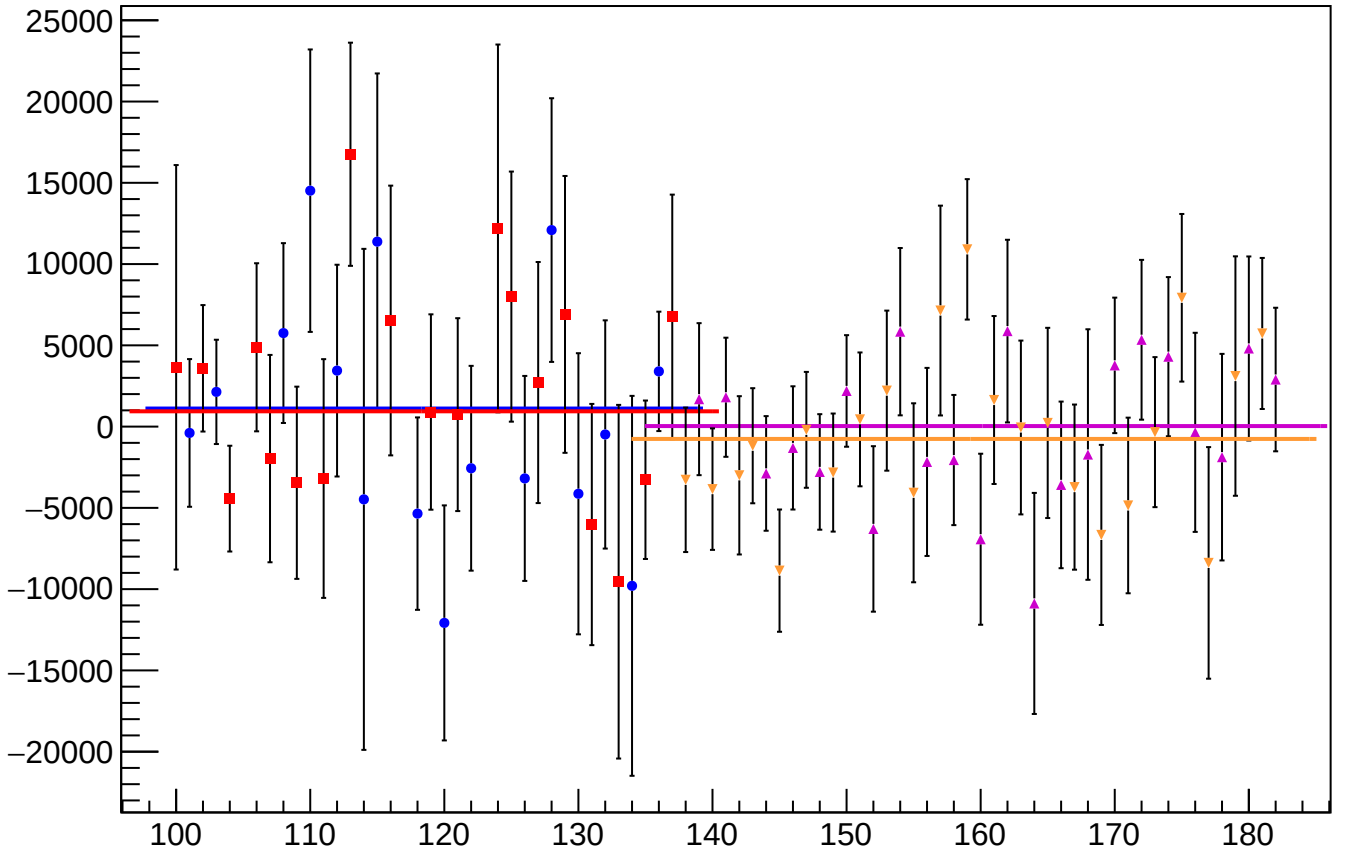
Left: 1827.175+/-0.214 χ^2/NDF: 32598.9/44

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1844.478+/-0.261 χ^2/NDF:726151.7/37

Out: 1843.077+/-0.258 χ^2/NDF:243722.5/41

All: 1843.769+/-0.184 χ^2/NDF: 969888.7/79



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -758.082+/-972.979 χ^2/NDF:24.3/22

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 32.891+/-989.351 χ^2/NDF:15.3/21

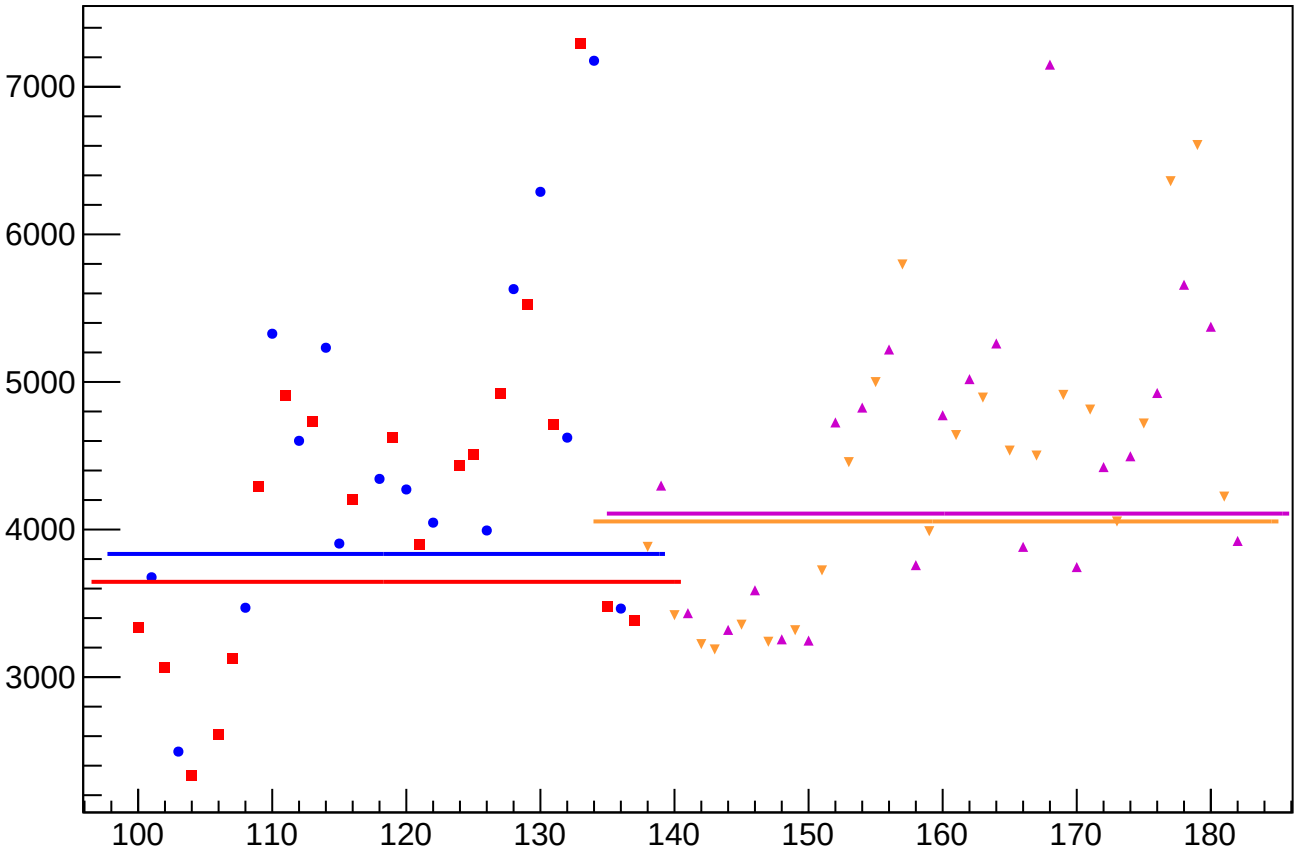
Left: -369.194+/-693.716 χ^2/NDF: 40.0/44

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 366.206+/-822.404 χ^2/NDF:29.1/37

Out: -204.260+/-798.786 χ^2/NDF:41.5/41

All: 72.664+/-572.995 χ^2/NDF: 70.9/79



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4054.981+/-0.688 χ^2/NDF:1402381.0/22

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4108.077+/-0.700 χ^2/NDF:1358480.5/21

Left: 4081.086+/-0.491 χ^2/NDF: 2763789.7/44

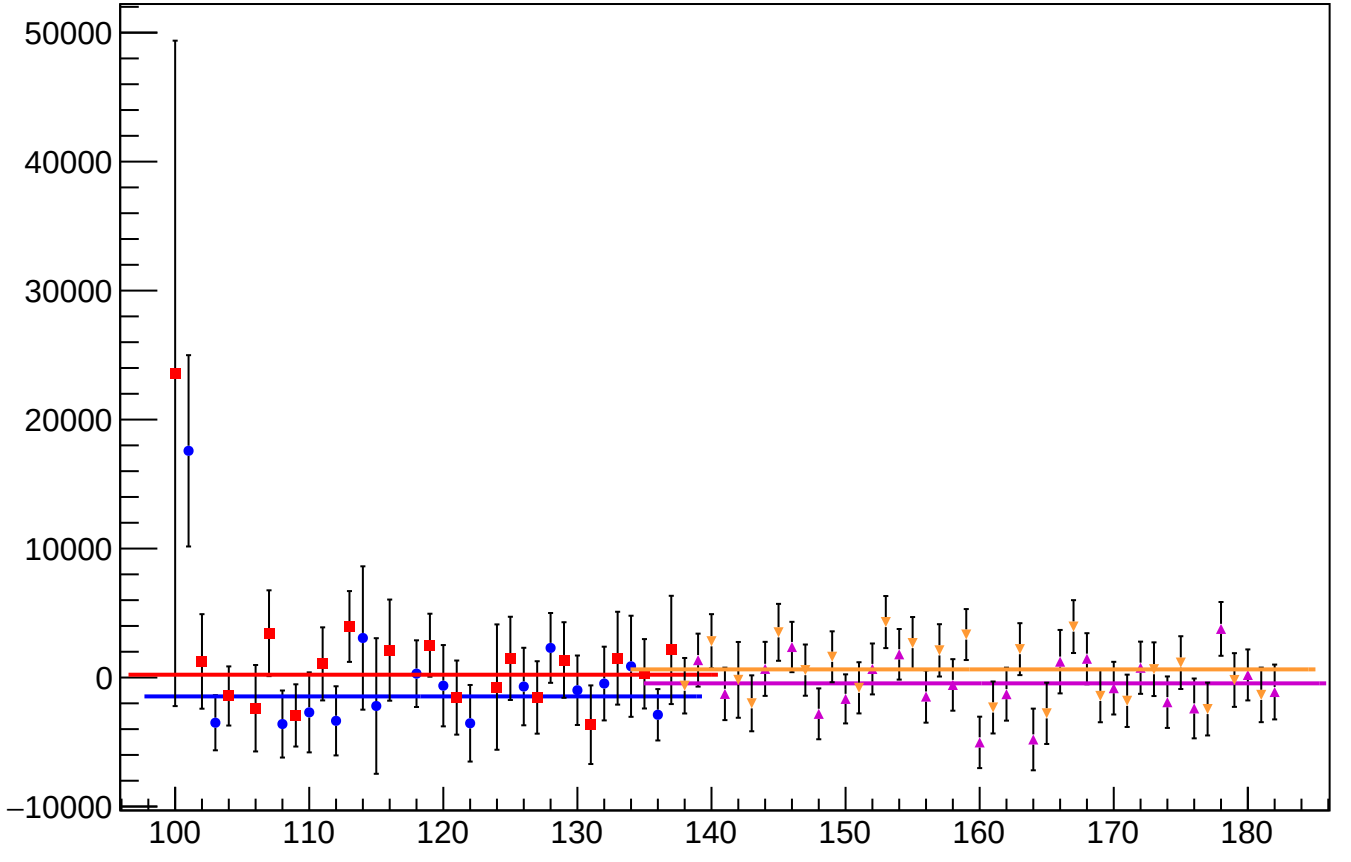
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 4023.597+/-0.582 χ^2/NDF:2361983.9/37

Out: 3921.548+/-0.565 χ^2/NDF:2642739.6/41

All: 3971.086+/-0.405 χ^2/NDF: 5020569.2/79

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 632.608+/-435.035 χ^2/NDF:25.4/22

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -450.613+/-437.429 χ^2/NDF:23.1/21

Left: 93.970+/-308.459 χ^2/NDF: 51.6/44

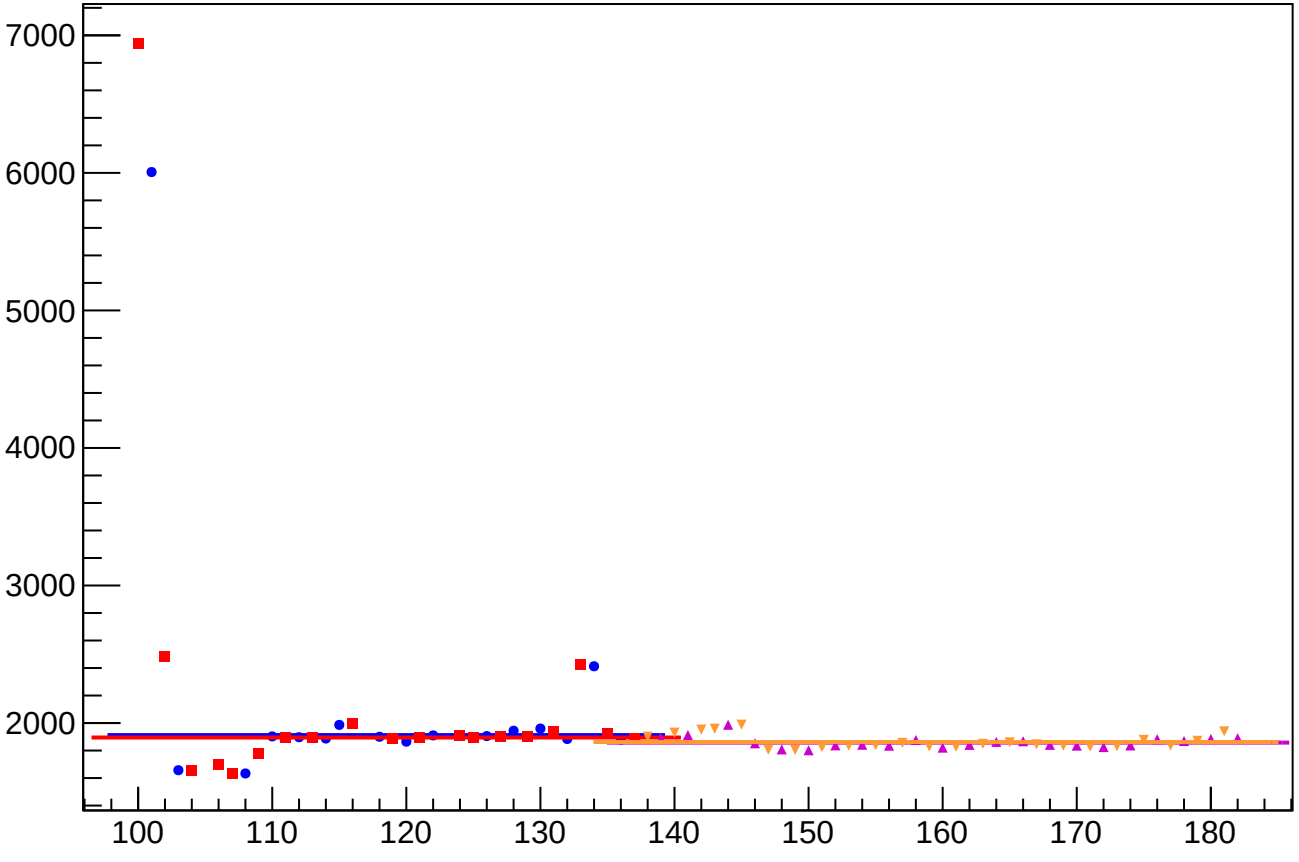
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -718.921+/-374.987 χ^2/NDF:38.1/37

Out: 519.644+/-370.777 χ^2/NDF:36.4/41

All: -92.647+/-263.655 χ^2/NDF: 80.1/79

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1861.877+/-0.308 χ^2/NDF:25552.3/22

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.690+/-0.309 χ^2/NDF:16380.5/21

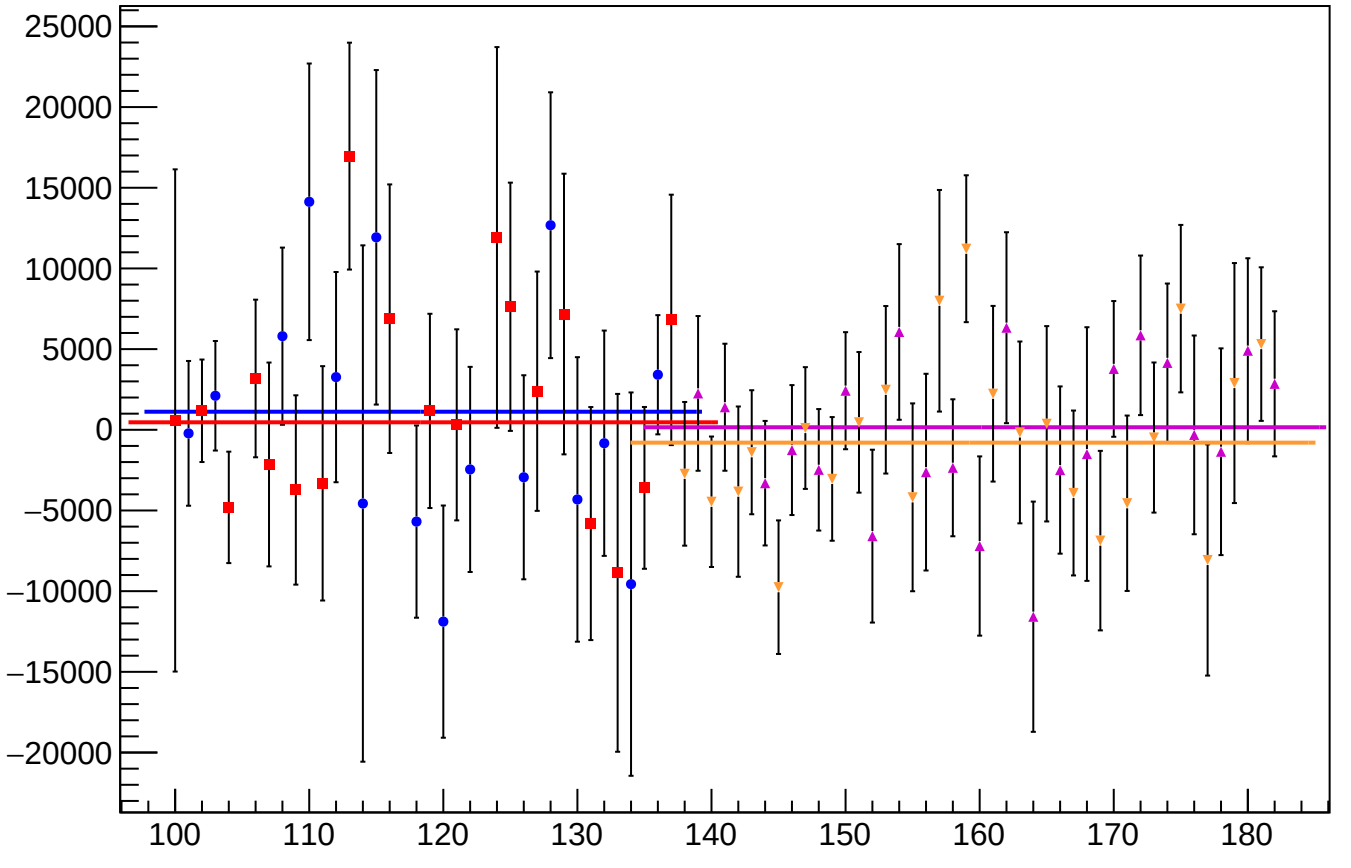
Left: 1859.795+/-0.218 χ^2/NDF: 42025.0/44

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1872.189+/-0.265 χ^2/NDF:720888.8/37

Out: 1870.889+/-0.262 χ^2/NDF:248465.9/41

All: 1871.531+/-0.186 χ^2/NDF: 969366.8/79



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -795.884+/-1019.089 χ^2/NDF:23.8/22

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: 157.191+/-1032.505 χ^2/NDF:15.1/21

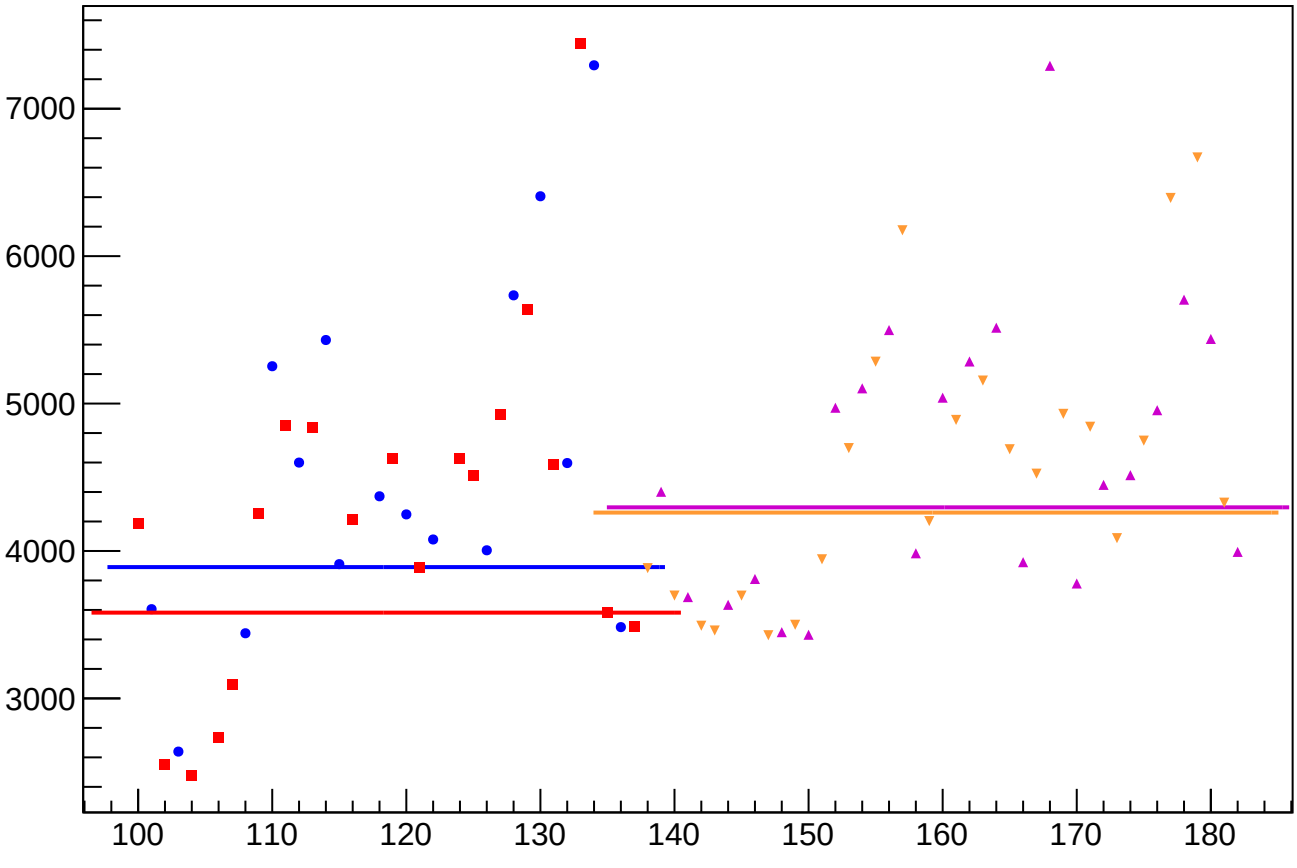
Left: -325.579+/-725.301 χ^2/NDF: 39.3/44

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 467.429+/-850.070 χ^2/NDF:28.8/37

Out: -347.301+/-817.848 χ^2/NDF:39.3/41

All: 44.331+/-589.368 χ^2/NDF: 68.7/79



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4260.514+/-0.721 χ^2/NDF:1190544.9/22

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4296.047+/-0.730 χ^2/NDF:1210869.6/21

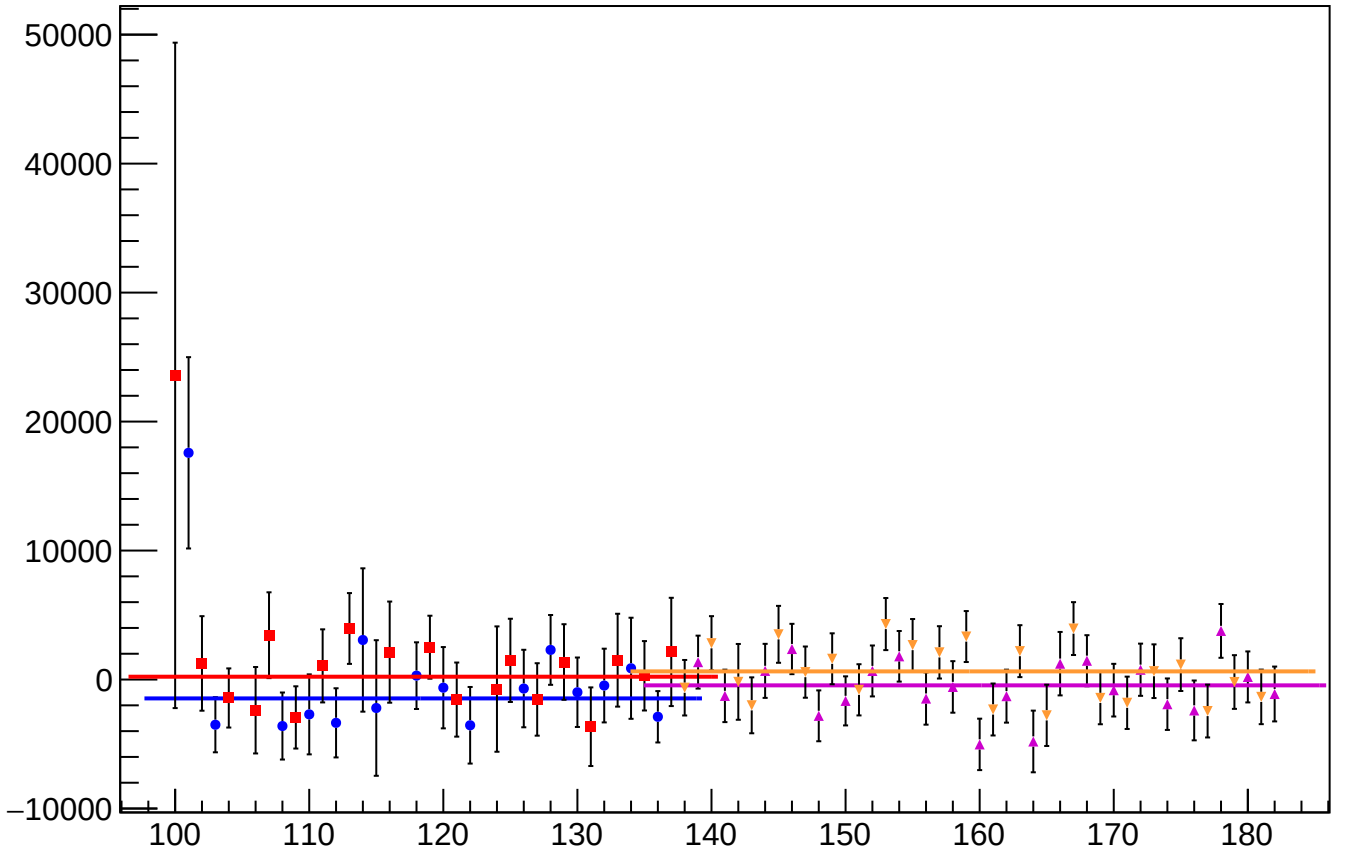
Left: 4278.048+/-0.513 χ^2/NDF: 2402614.3/44

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4165.462+/-0.601 χ^2/NDF:2188590.2/37

Out: 4018.920+/-0.578 χ^2/NDF:2728184.1/41

All: 4089.361+/-0.417 χ^2/NDF: 4947639.5/79



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 632.613+/-435.035 χ^2/NDF:25.4/22

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -450.613+/-437.429 χ^2/NDF:23.1/21

Left: 93.972+/-308.459 χ^2/NDF: 51.6/44

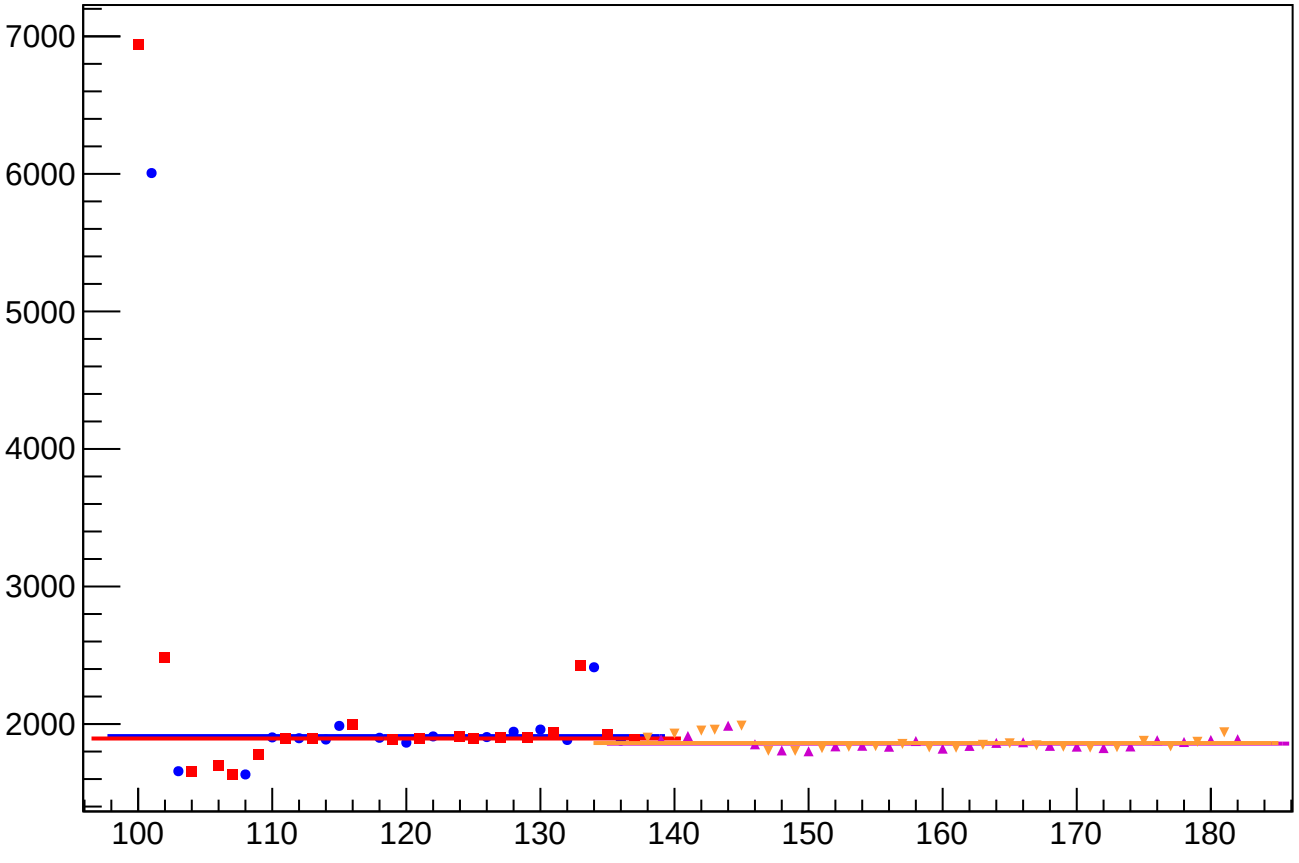
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -718.923+/-374.987 χ^2/NDF:38.1/37

Out: 519.646+/-370.777 χ^2/NDF:36.4/41

All: -92.646+/-263.655 χ^2/NDF: 80.1/79

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1861.878+/-0.308 χ^2/NDF:25552.3/22

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.690+/-0.309 χ^2/NDF:16380.4/21

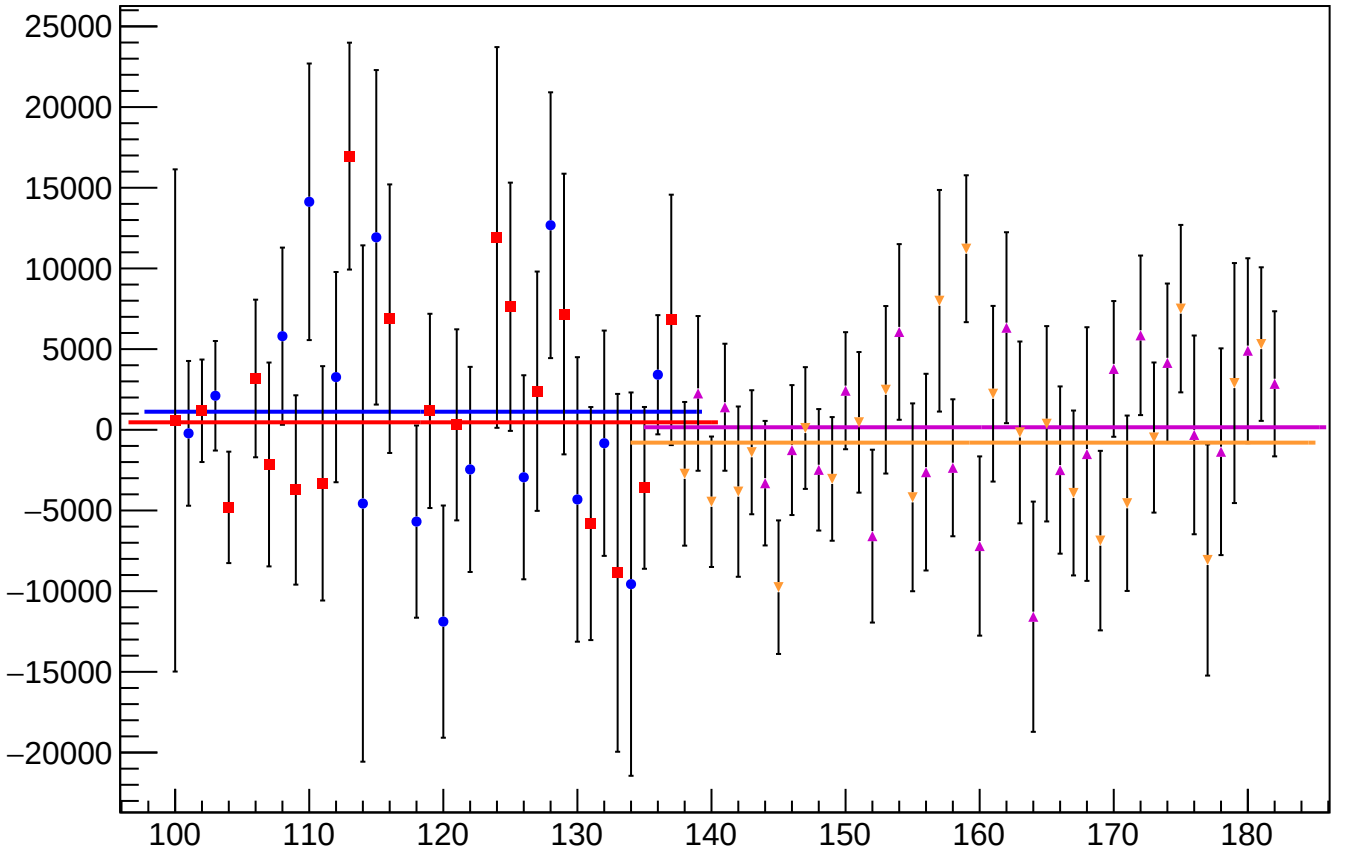
Left: 1859.796+/-0.218 χ^2/NDF: 42024.8/44

Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1872.189+/-0.265 χ^2/NDF:720888.3/37

Out: 1870.890+/-0.262 χ^2/NDF:248465.7/41

All: 1871.532+/-0.186 χ^2/NDF: 969366.2/79



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -795.883+/-1019.090 χ^2/NDF:23.8/22

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: 157.193+/-1032.507 χ^2/NDF:15.1/21

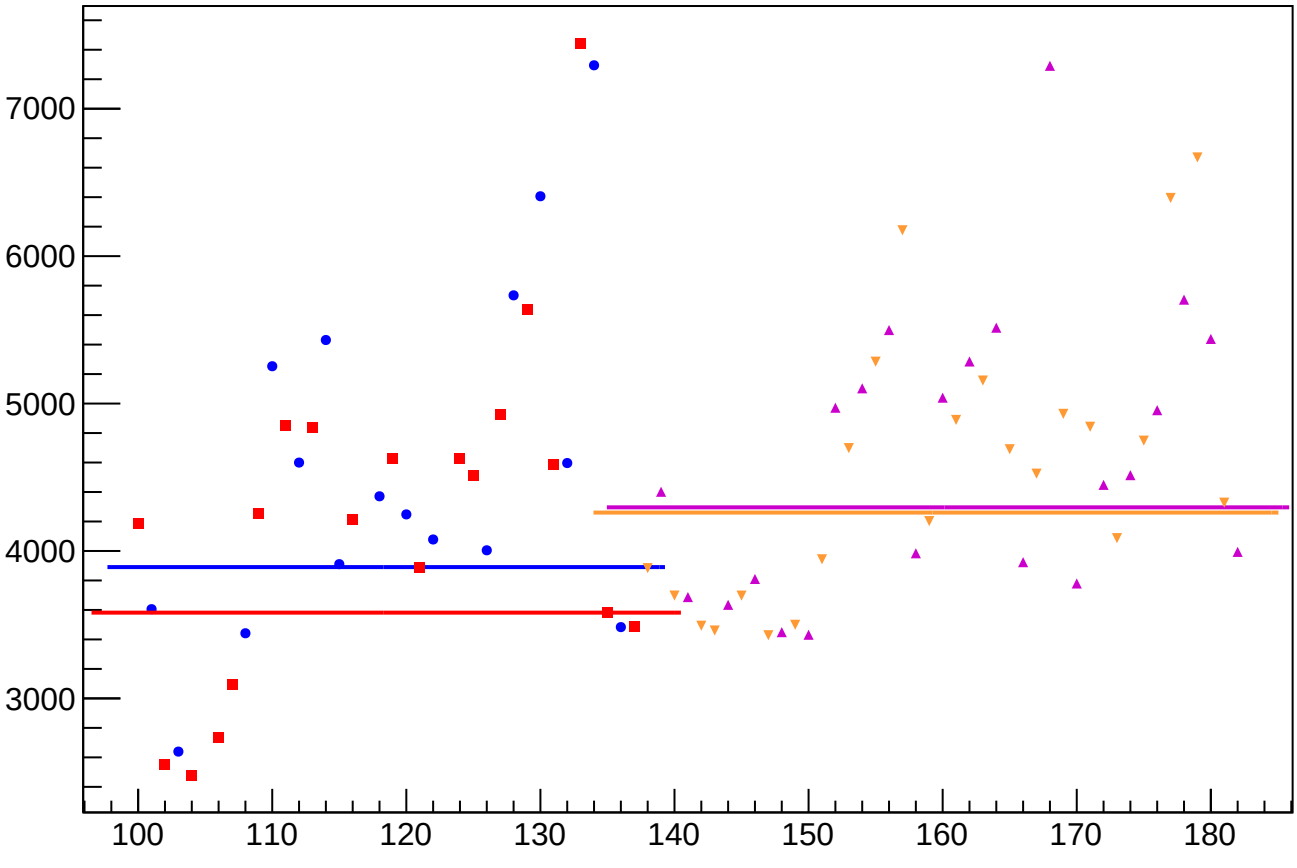
Left: -325.577+/-725.303 χ^2/NDF: 39.3/44

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 467.427+/-850.071 χ^2/NDF:28.8/37

Out: -347.298+/-817.849 χ^2/NDF:39.3/41

All: 44.331+/-589.368 χ^2/NDF: 68.7/79



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4260.520+/-0.721 χ^2/NDF:1190547.7/22

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4296.054+/-0.730 χ^2/NDF:1210875.5/21

Left: 4278.055+/-0.513 χ^2/NDF: 2402623.0/44

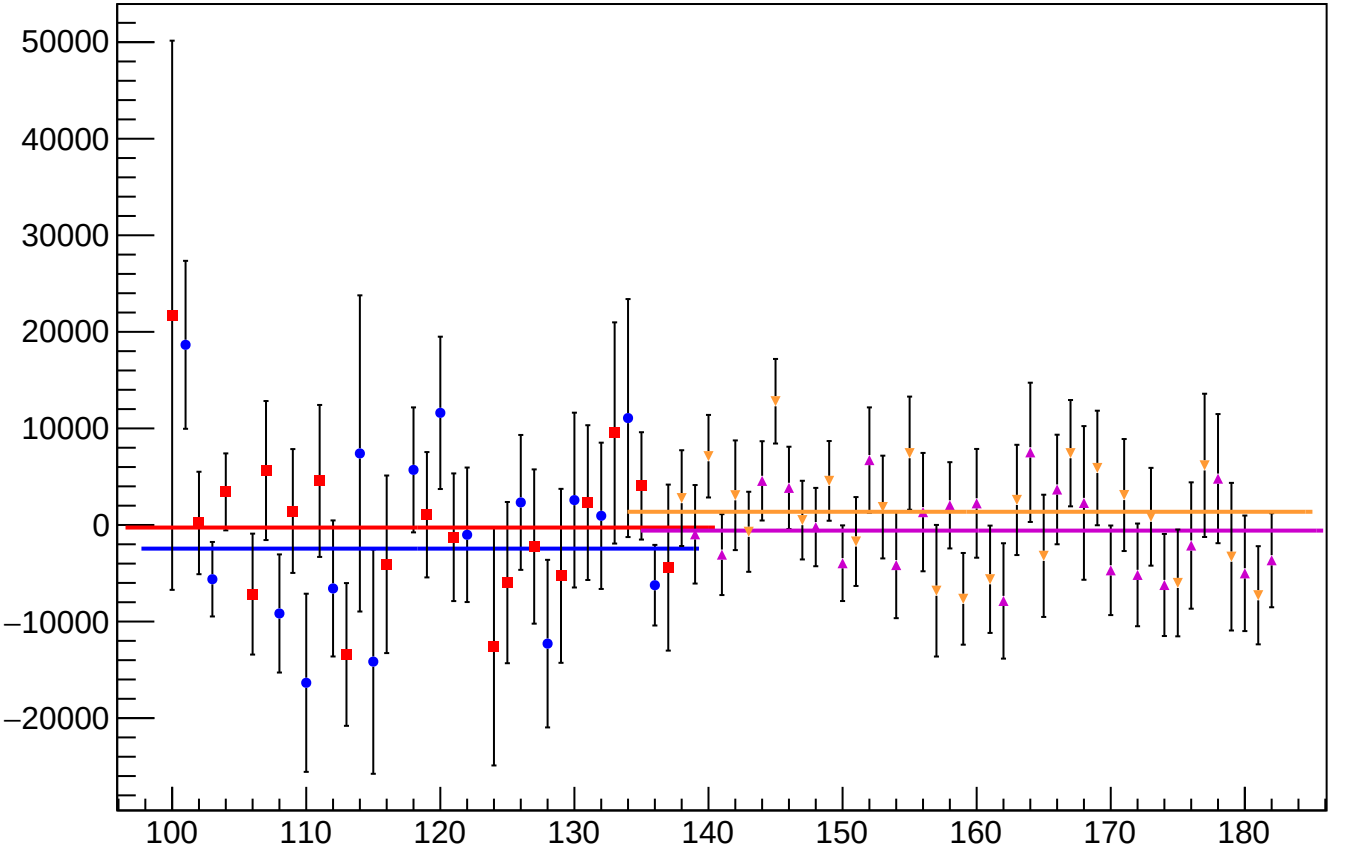
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4165.465+/-0.601 χ^2/NDF:2188591.6/37

Out: 4018.923+/-0.578 χ^2/NDF:2728187.5/41

All: 4089.364+/-0.417 χ^2/NDF: 4947644.5/79

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1367.319+/-1079.557 χ^2/NDF:25.8/22

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -582.183+/-1092.220 χ^2/NDF:14.4/21

Left: 403.935+/-767.800 χ^2/NDF: 41.8/44

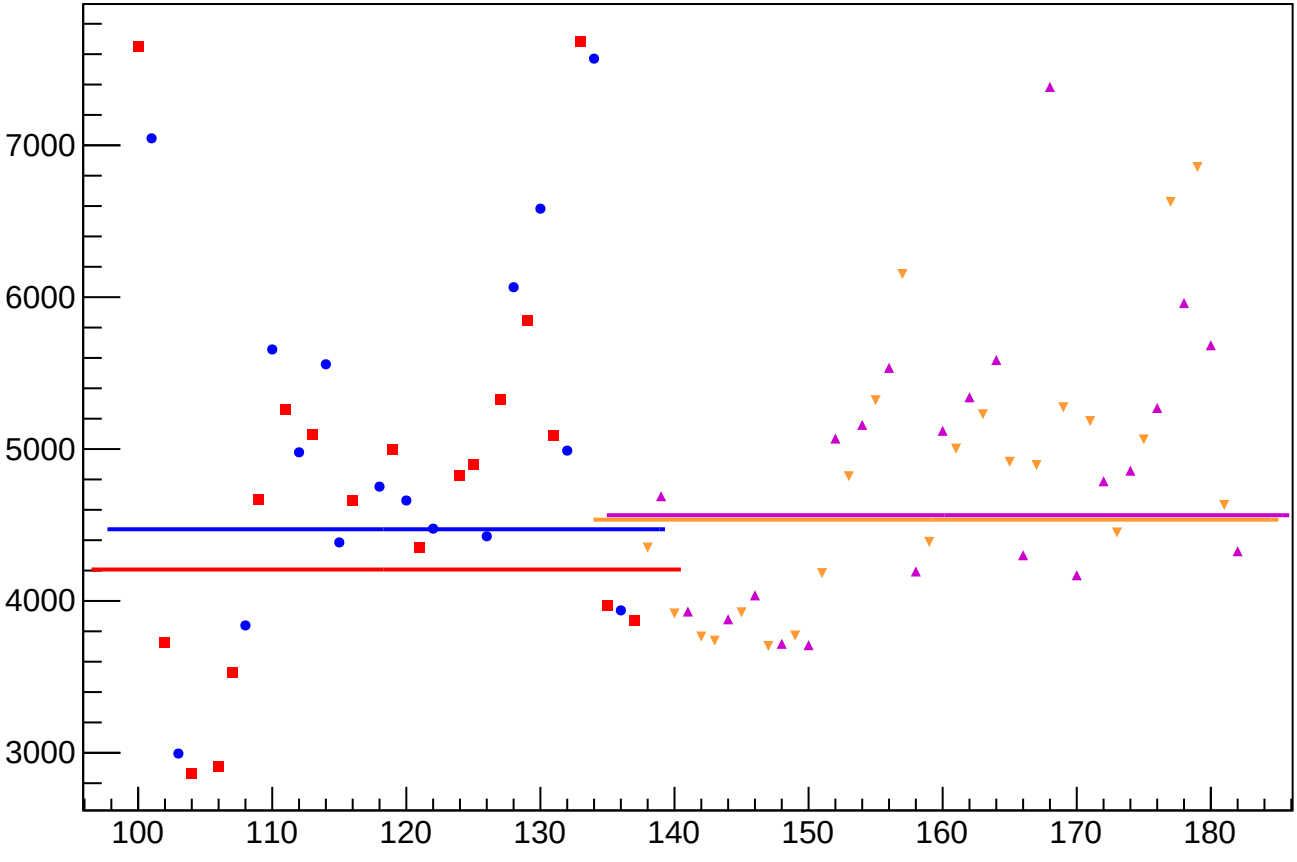
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -1118.562+/-921.981 χ^2/NDF:36.1/37

Out: 866.183+/-898.798 χ^2/NDF:37.2/41

All: -100.922+/-643.586 χ^2/NDF: 75.7/79

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4535.095+/-0.763 χ^2/NDF:992636.1/22

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4564.497+/-0.772 χ^2/NDF:978749.8/21

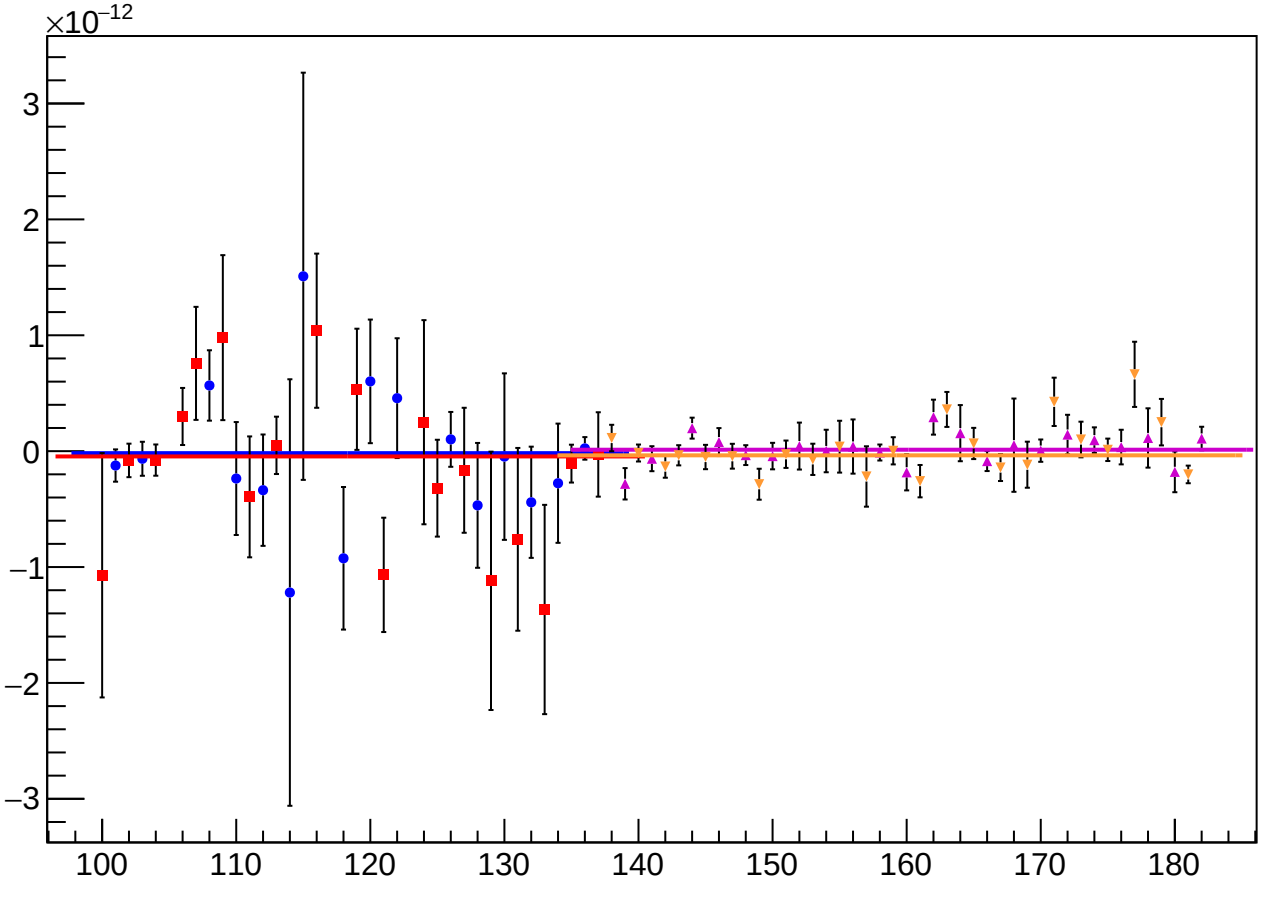
Left: 4549.625+/-0.543 χ^2/NDF: 1972119.0/44

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4537.882+/-0.652 χ^2/NDF:1874559.7/37

Out: 4433.246+/-0.634 χ^2/NDF:1896522.7/41

All: 4484.100+/-0.454 χ^2/NDF: 3784322.9/79



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.9/22

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:20.6/21

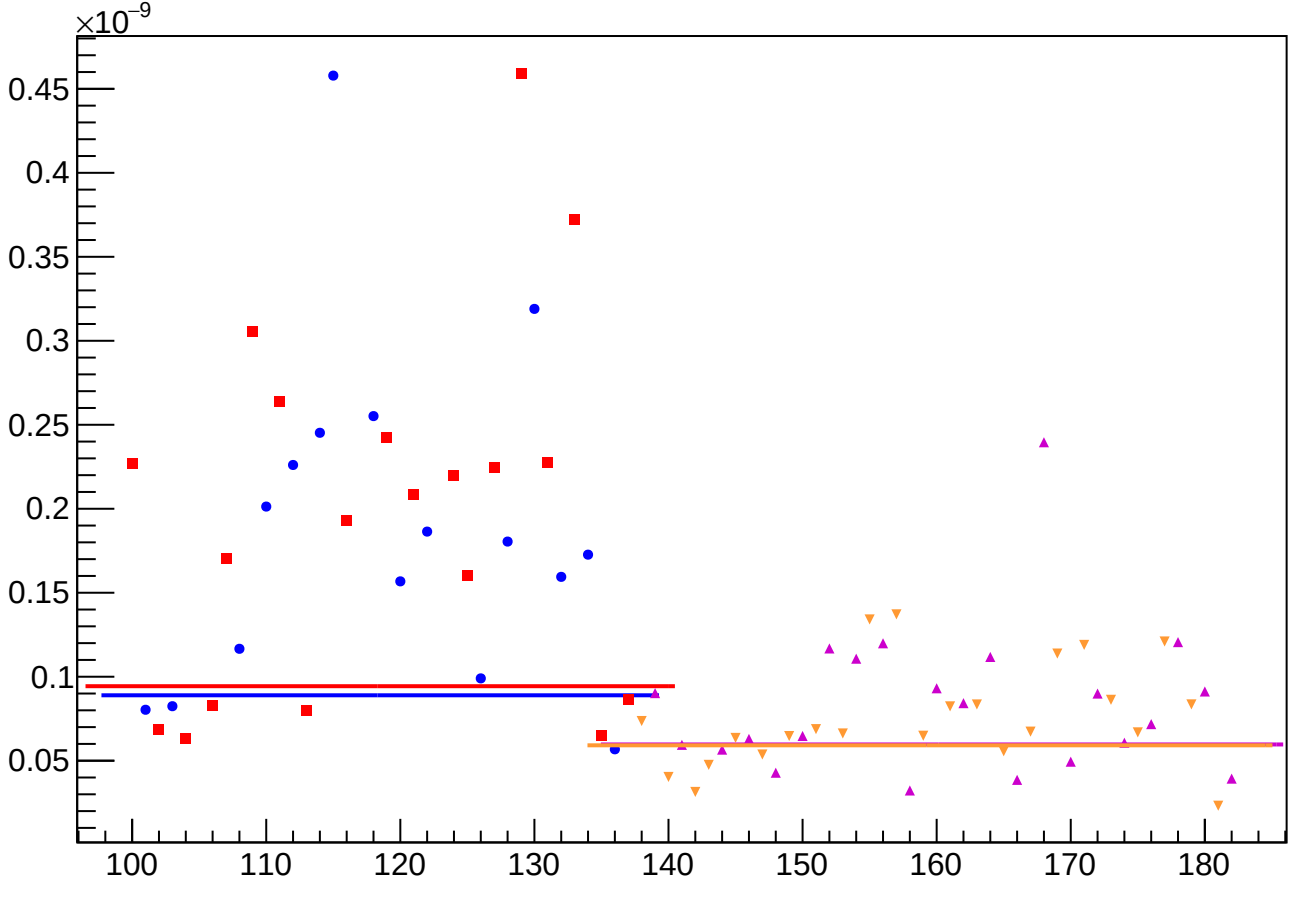
Left: -0.000+/-0.000 χ^2/NDF: 59.3/44

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:33.5/37

Out: -0.000+/-0.000 χ^2/NDF:58.1/41

All: -0.000+/-0.000 χ^2/NDF: 93.5/79



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1887001.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2063243.2/21

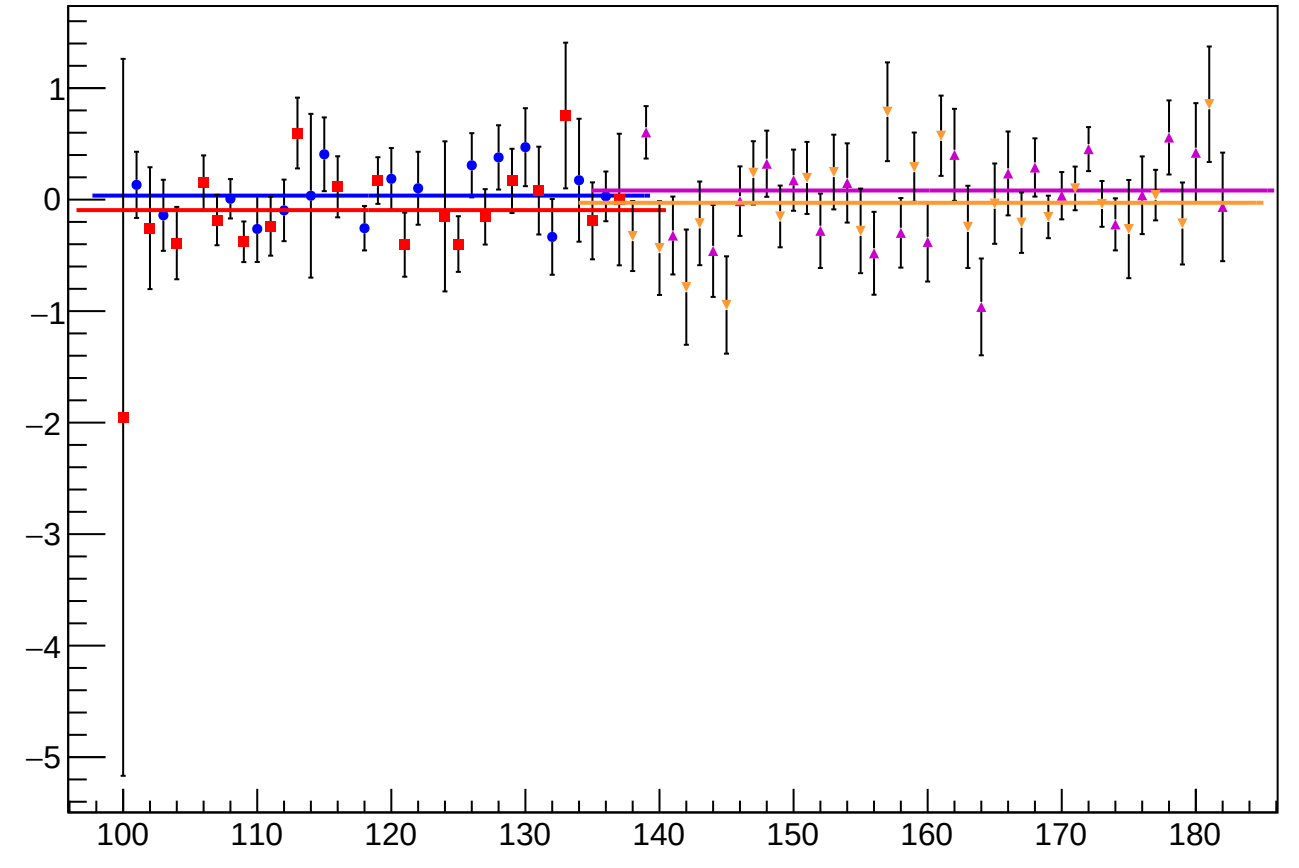
Left: 0.000+/-0.000 χ^2/NDF: 3950642.0/44

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:3678497.4/37

Out: 0.000+/-0.000 χ^2/NDF:4052865.4/41

All: 0.000+/-0.000 χ^2/NDF: 7732411.1/79



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.028+/-0.064 χ^2/NDF:23.8/22

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.082+/-0.065 χ^2/NDF:30.7/21

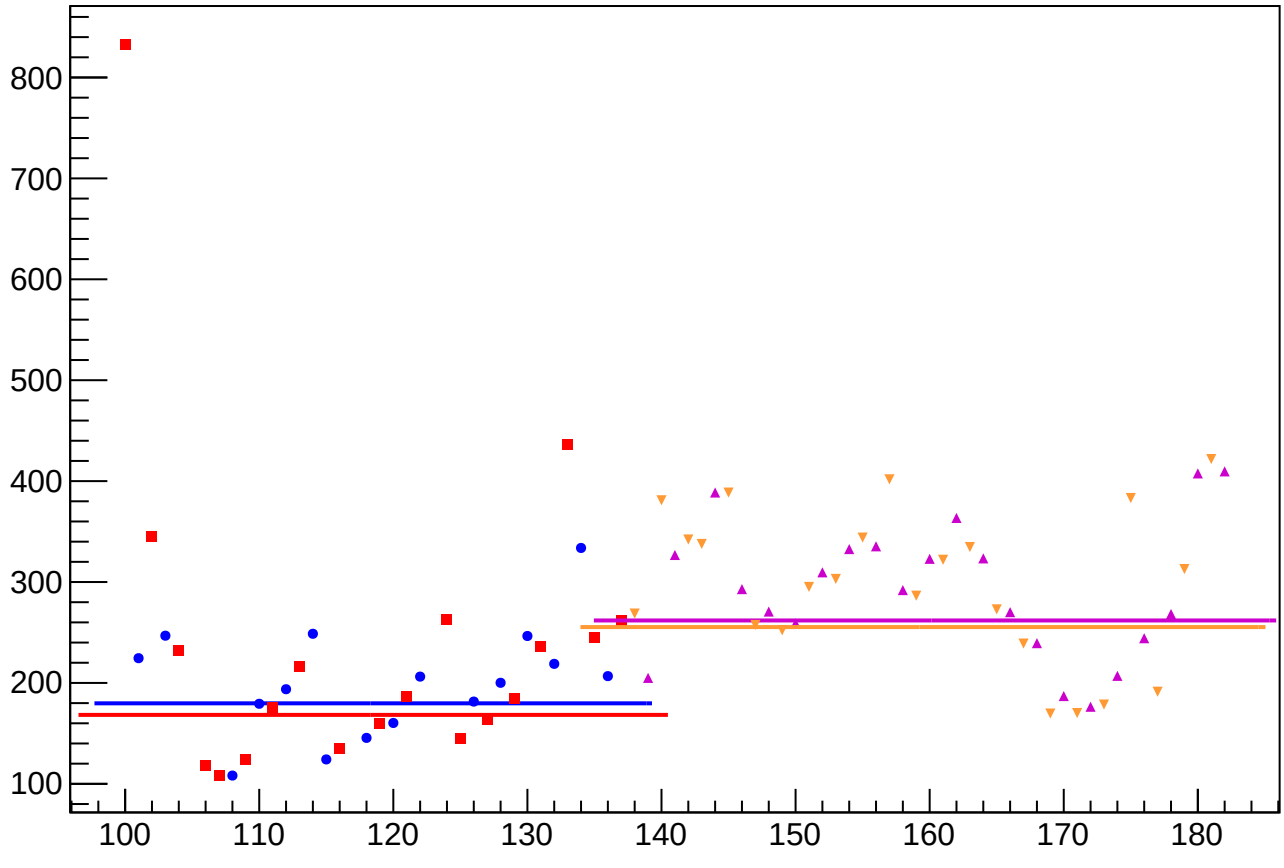
Left: 0.025+/-0.046 χ^2/NDF: 55.9/44

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.061+/-0.048 χ^2/NDF:41.5/37

Out: -0.059+/-0.046 χ^2/NDF:41.9/41

All: -0.001+/-0.033 χ^2/NDF: 86.6/79



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 255.357+/-0.045 χ^2/NDF:2760948.6/22

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 261.918+/-0.046 χ^2/NDF:1990129.4/21

Left: 258.551+/-0.032 χ^2/NDF: 4761466.8/44

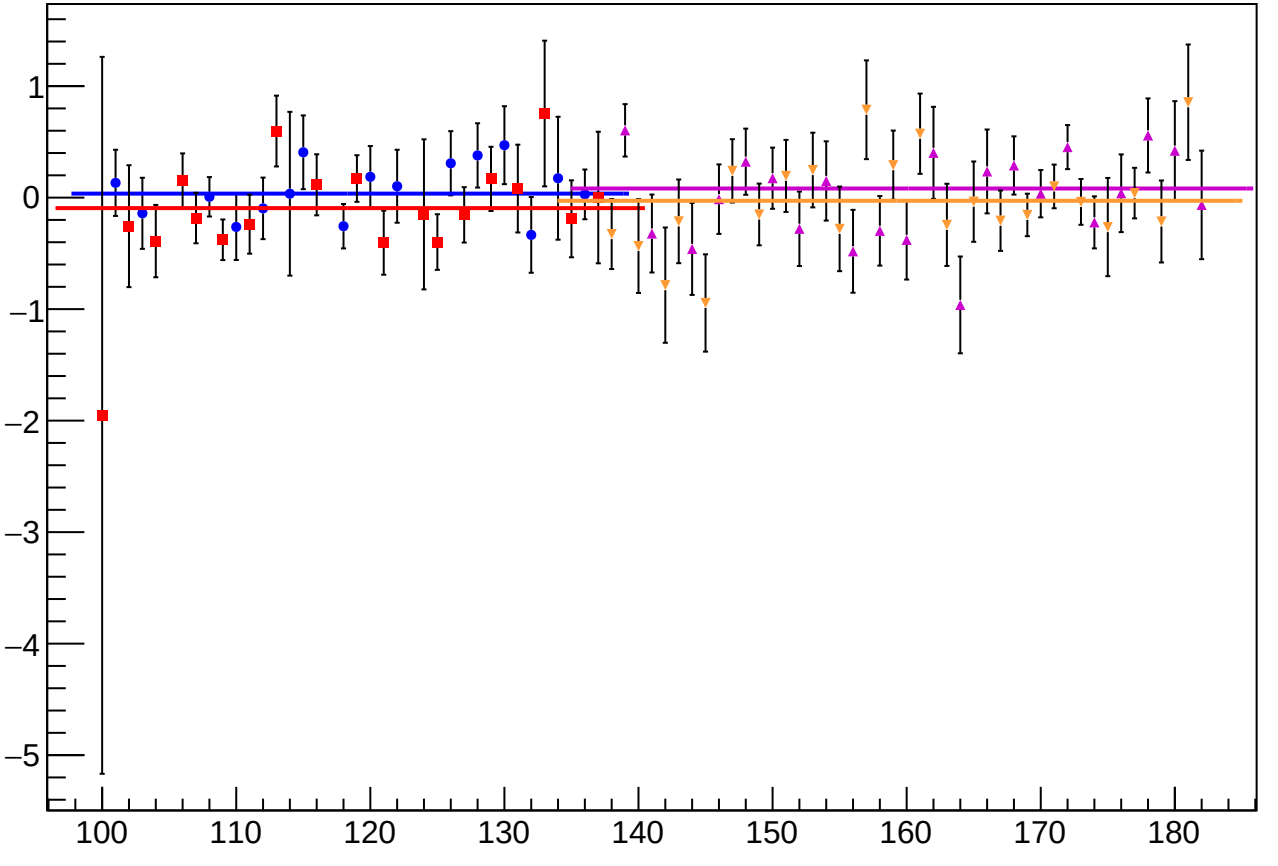
Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 224.096+/-0.034 χ^2/NDF:4369297.2/37

Out: 214.569+/-0.033 χ^2/NDF:5929405.4/41

All: 219.171+/-0.024 χ^2/NDF: 10339599.1/79

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.028+/-0.064 χ^2/NDF:23.8/22

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.082+/-0.065 χ^2/NDF:30.7/21

Left: 0.025+/-0.046 χ^2/NDF: 55.9/44

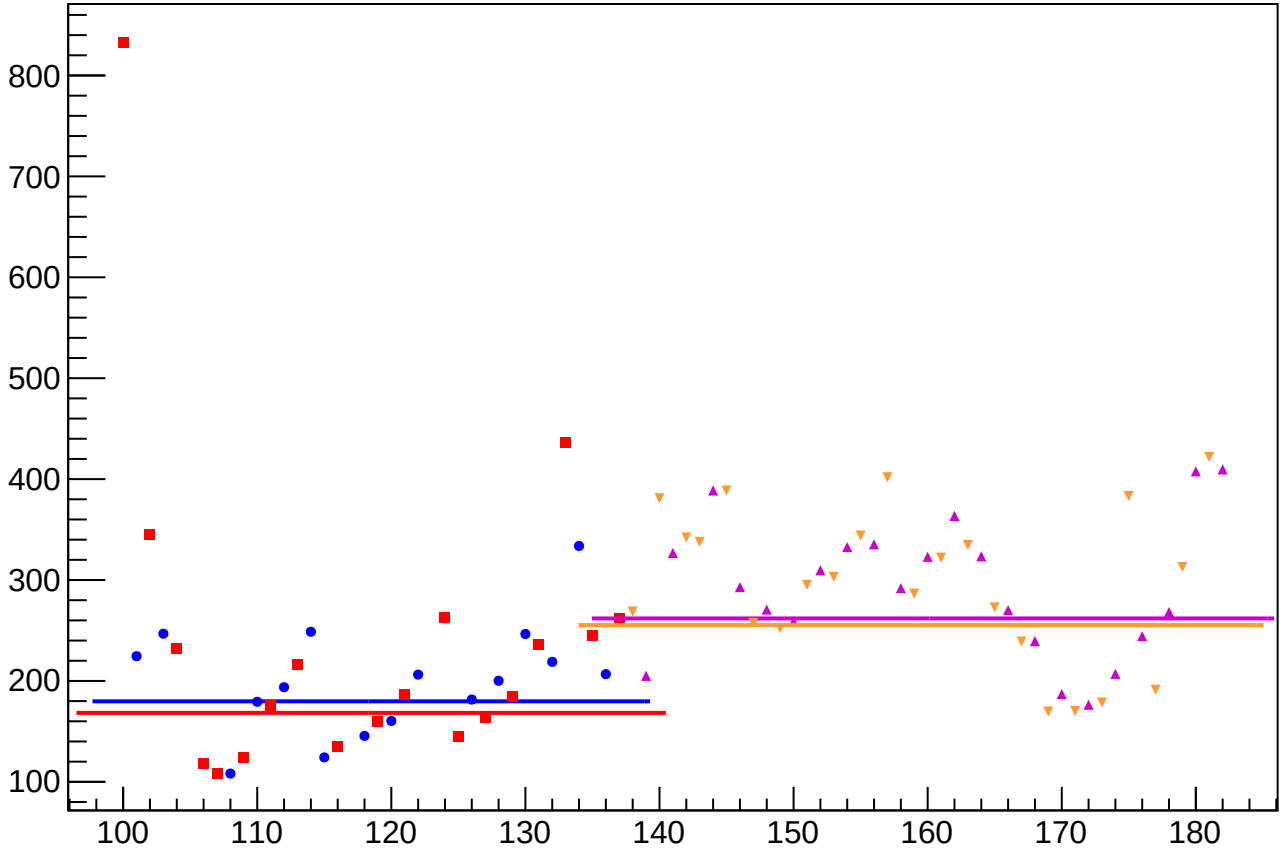
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.061+/-0.048 χ^2/NDF:41.5/37

Out: -0.059+/-0.046 χ^2/NDF:41.9/41

All: -0.001+/-0.033 χ^2/NDF: 86.6/79

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 255.357+/-0.045 χ^2/NDF:2760948.6/22

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 261.918+/-0.046 χ^2/NDF:1990129.4/21

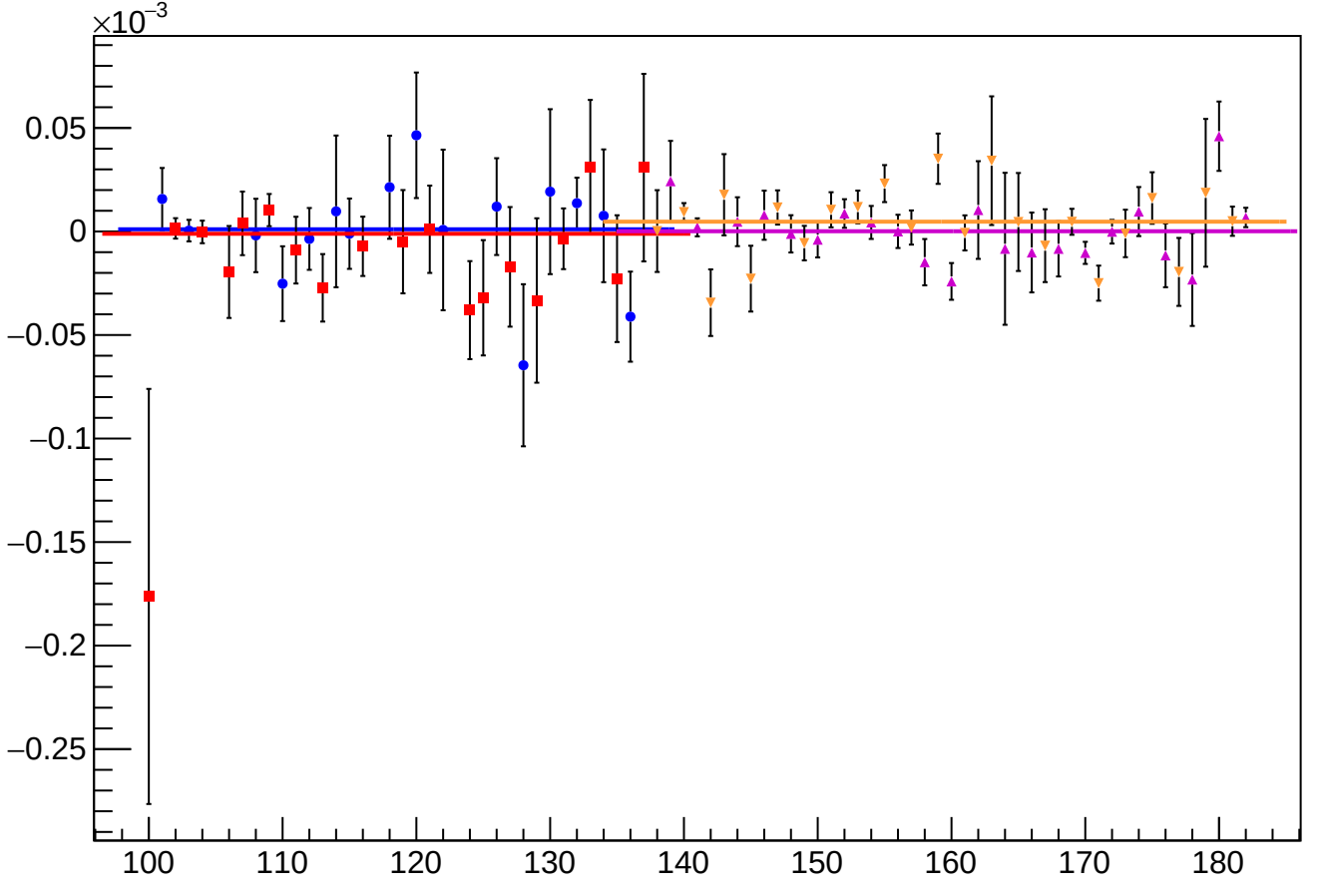
Left: 258.551+/-0.032 χ^2/NDF: 4761466.8/44

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 224.096+/-0.034 χ^2/NDF:4369297.2/37

Out: 214.569+/-0.033 χ^2/NDF:5929405.4/41

All: 219.171+/-0.024 χ^2/NDF: 10339599.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/22

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

Left In: 0.000+/-0.000 χ^2/NDF:30.2/21

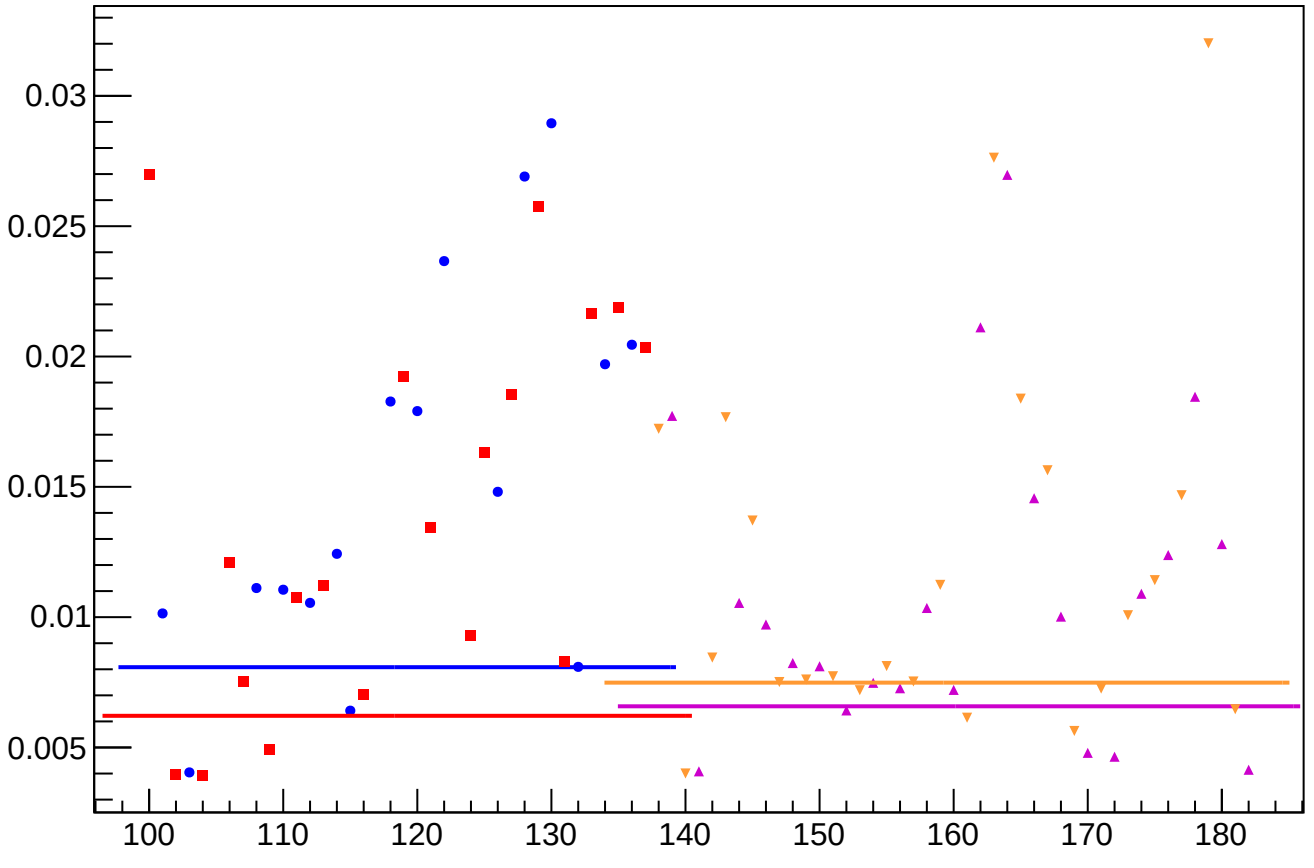
Left: 0.000+/-0.000 χ^2/NDF: 75.2/44

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:44.5/37

Out: 0.000+/-0.000 χ^2/NDF:61.0/41

All: 0.000+/-0.000 χ^2/NDF: 106.7/79



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:6408456.8/22

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:6320529.6/21

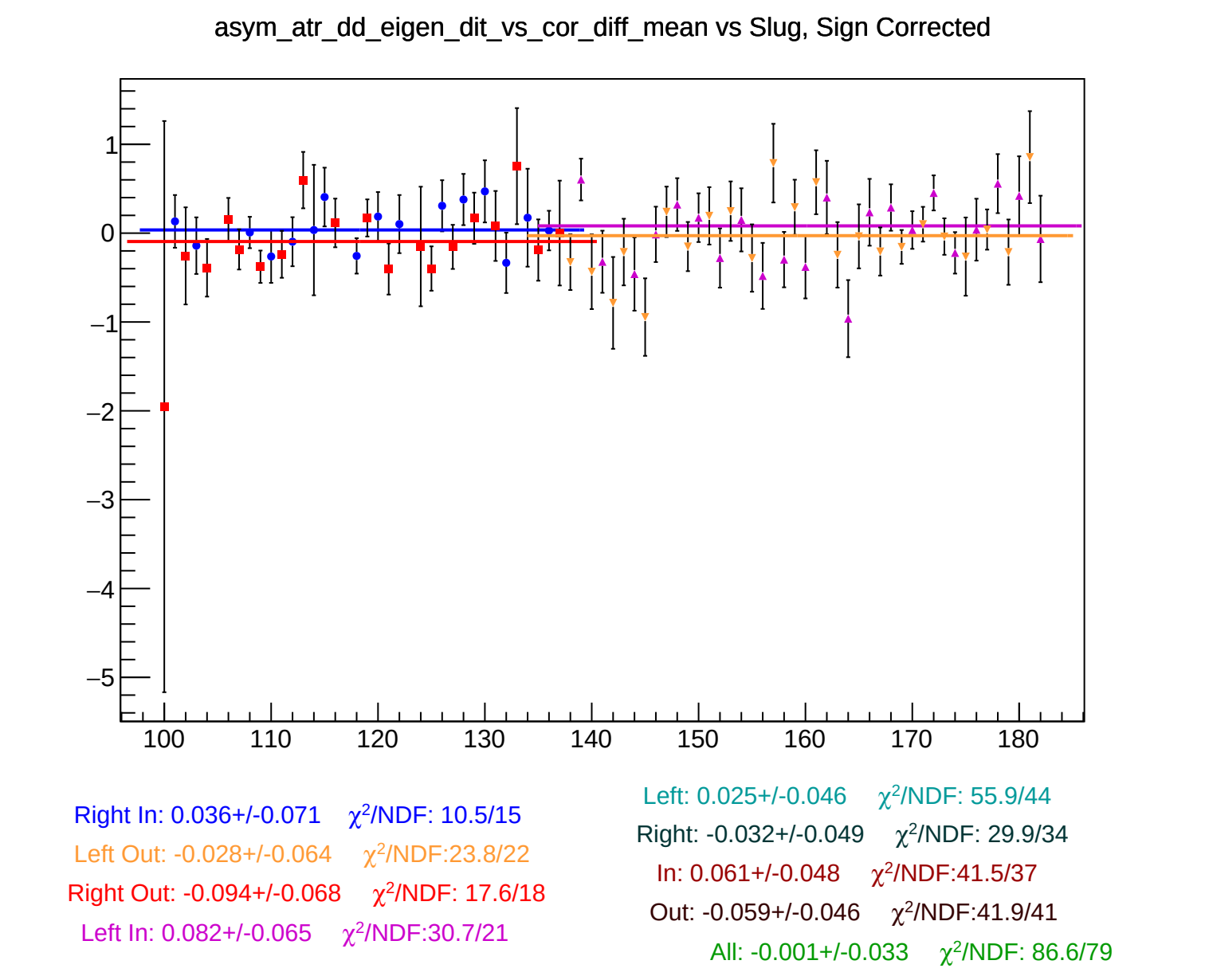
Left: 0.007+/-0.000 χ^2/NDF: 12959261.7/44

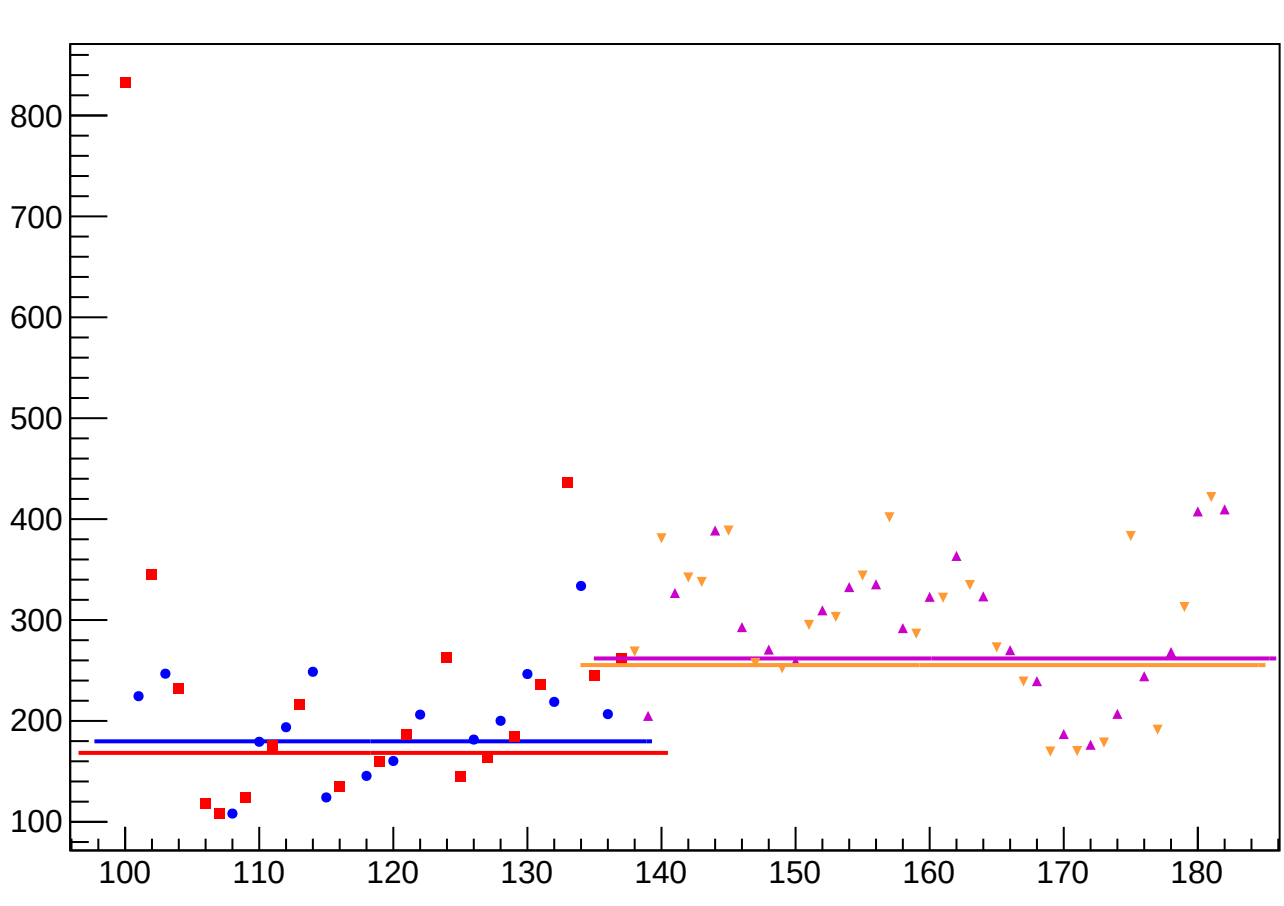
Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:10998320.2/37

Out: 0.007+/-0.000 χ^2/NDF:11243283.9/41

All: 0.007+/-0.000 χ^2/NDF: 22257052.1/79


asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.028+/-0.064 χ²/NDF:23.8/22
Right Out: -0.094+/-0.068 χ²/NDF: 17.6/18
Left In: 0.082+/-0.065 χ²/NDF:30.7/21
Left: 0.025+/-0.046 χ²/NDF: 55.9/44
Right: -0.032+/-0.049 χ²/NDF: 29.9/34
In: 0.061+/-0.048 χ²/NDF:41.5/37
Out: -0.059+/-0.046 χ²/NDF:41.9/41
All: -0.001+/-0.033 χ²/NDF: 86.6/79



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 255.358+/-0.045 χ^2/NDF:2761065.9/22

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 261.921+/-0.046 χ^2/NDF:1990169.8/21

Left: 258.553+/-0.032 χ^2/NDF: 4761626.7/44

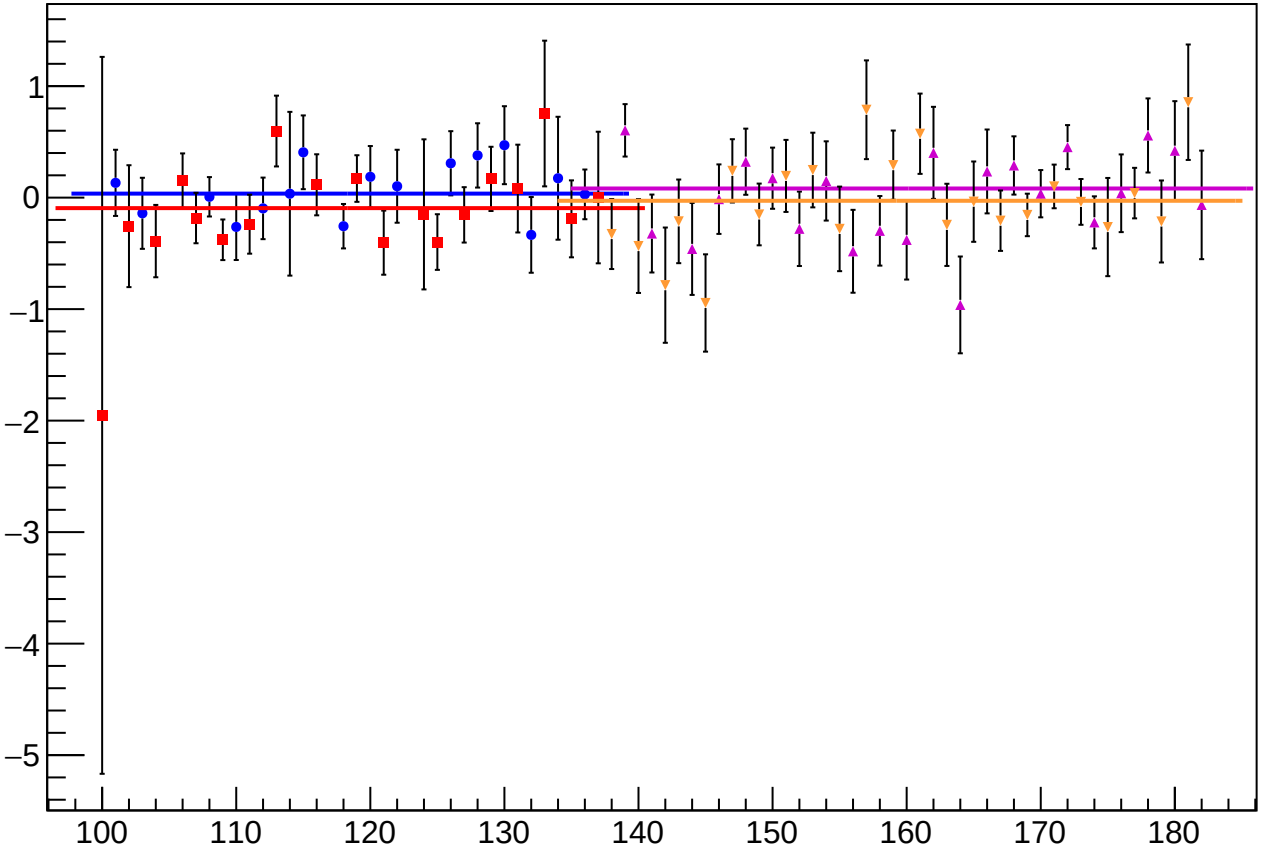
Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 224.095+/-0.034 χ^2/NDF:4369567.5/37

Out: 214.570+/-0.033 χ^2/NDF:5929583.6/41

All: 219.171+/-0.024 χ^2/NDF: 10340037.0/79

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.028+/-0.064 χ^2/NDF:23.8/22

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.082+/-0.065 χ^2/NDF:30.7/21

Left: 0.025+/-0.046 χ^2/NDF: 55.9/44

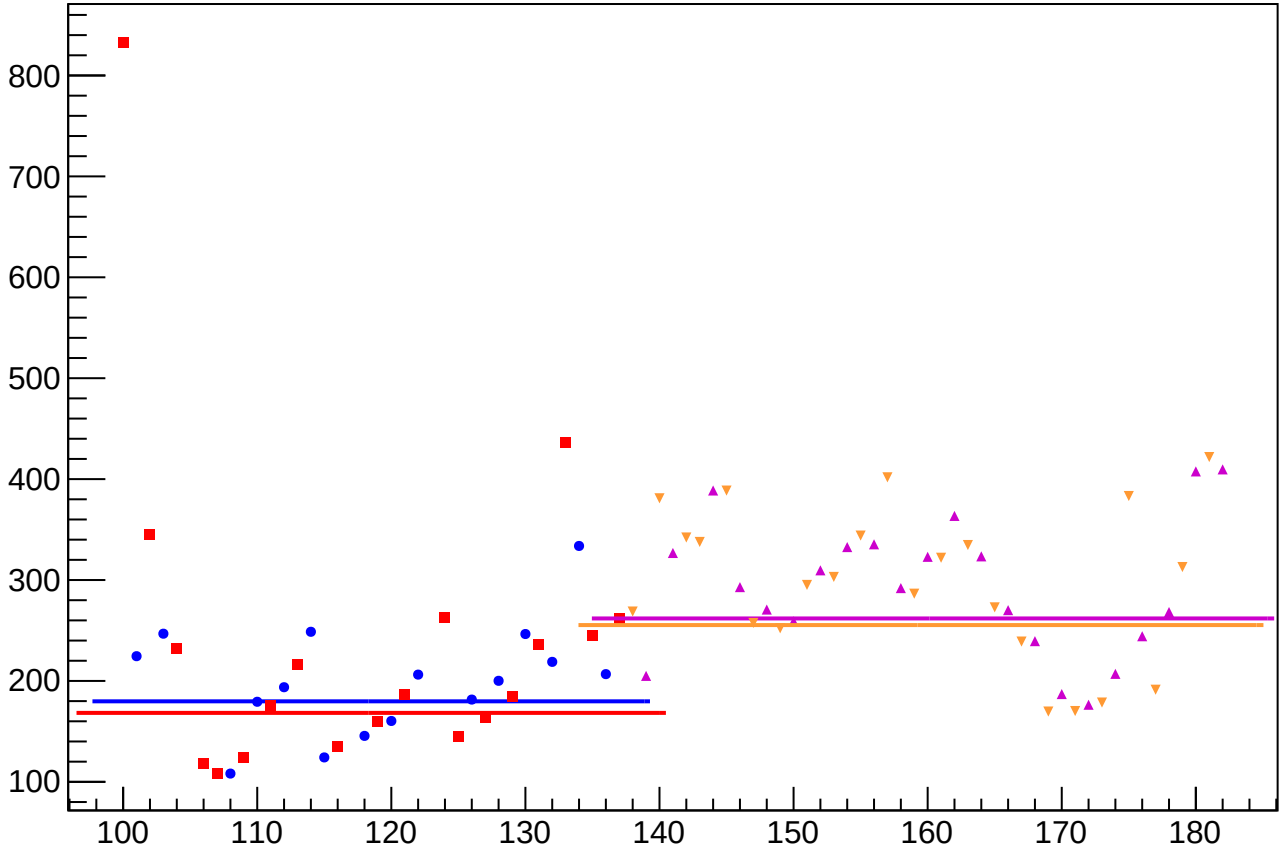
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.061+/-0.048 χ^2/NDF:41.5/37

Out: -0.059+/-0.046 χ^2/NDF:41.9/41

All: -0.001+/-0.033 χ^2/NDF: 86.6/79

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: 255.358+/-0.045 χ^2/NDF:2761065.9/22

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 261.921+/-0.046 χ^2/NDF:1990169.8/21

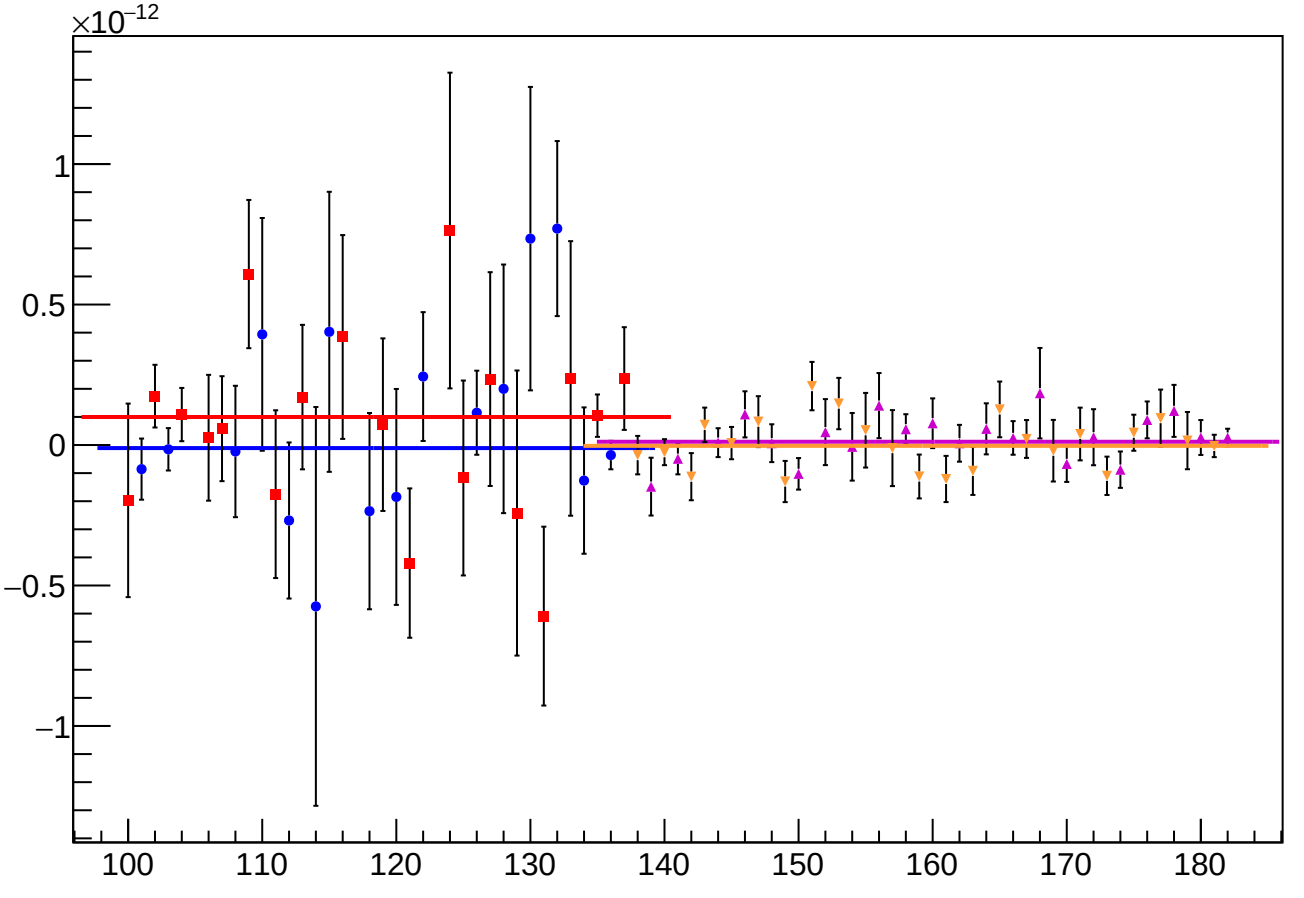
Left: 258.553+/-0.032 χ^2/NDF: 4761626.7/44

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 224.095+/-0.034 χ^2/NDF:4369567.5/37

Out: 214.570+/-0.033 χ^2/NDF:5929583.6/41

All: 219.171+/-0.024 χ^2/NDF: 10340037.0/79



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:20.2/21

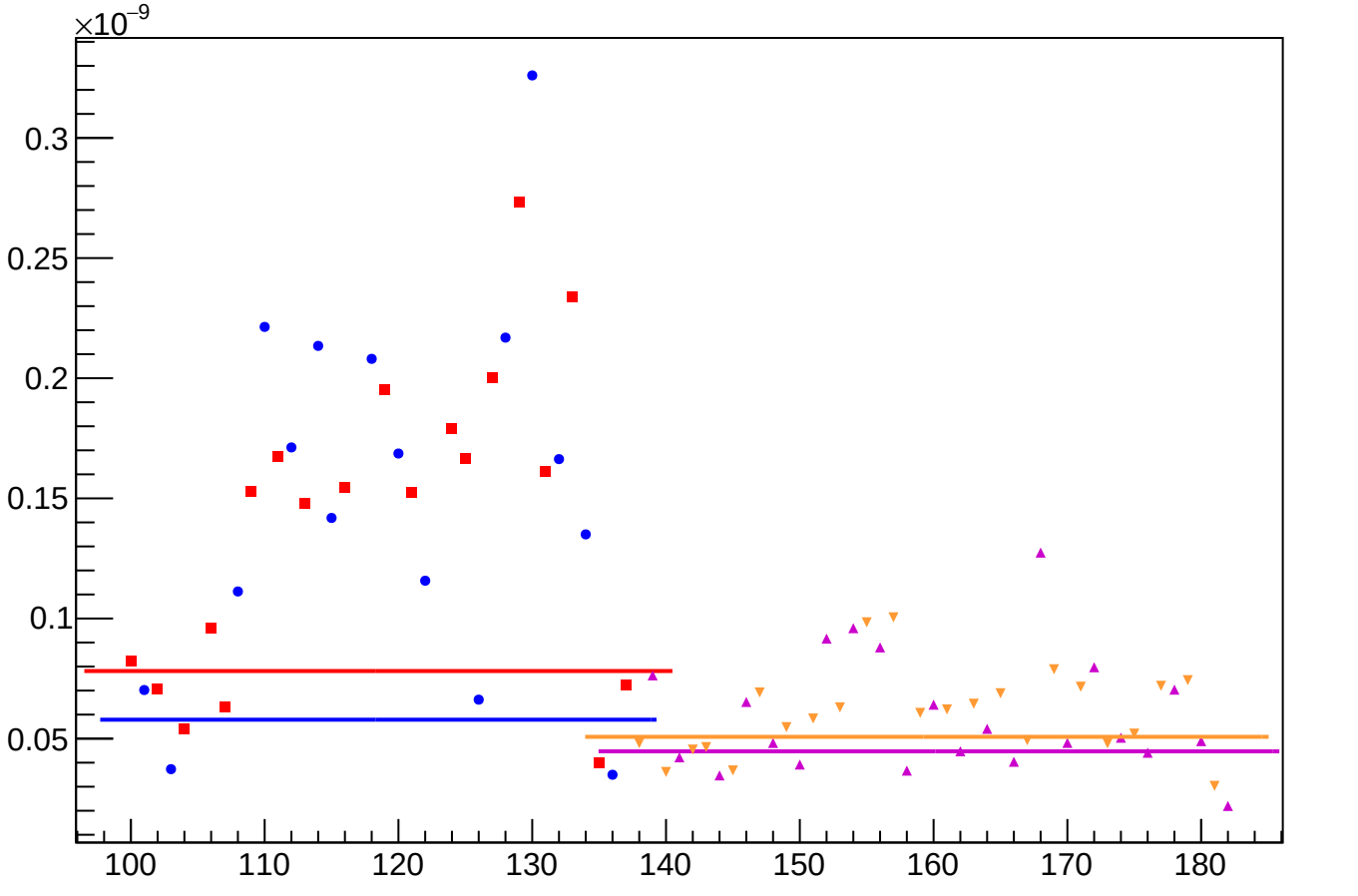
Left: 0.000+/-0.000 χ^2/NDF: 48.4/44

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:35.6/37

Out: 0.000+/-0.000 χ^2/NDF:51.4/41

All: 0.000+/-0.000 χ^2/NDF: 87.0/79



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2152207.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3561864.4/21

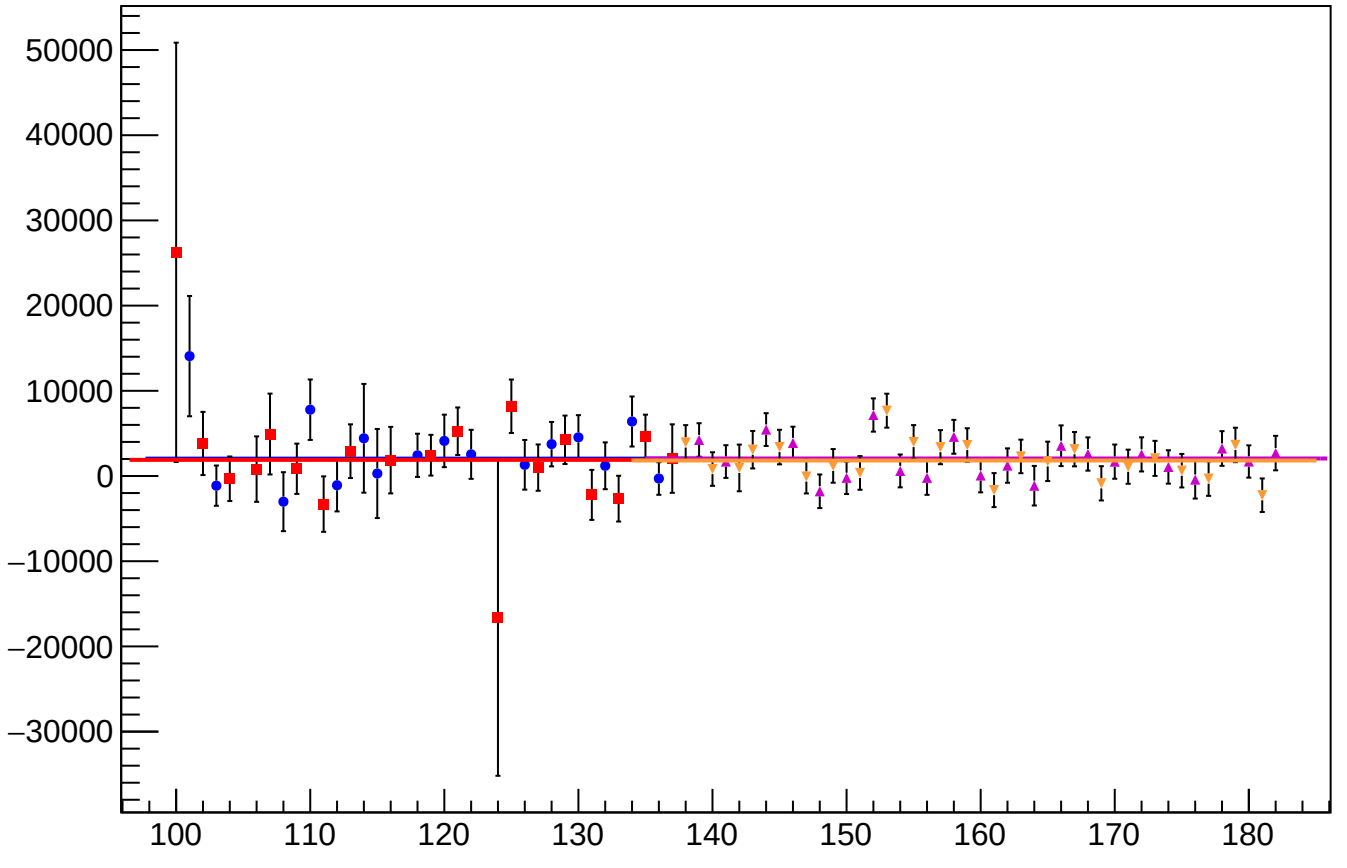
Left: 0.000+/-0.000 χ^2/NDF: 5883977.1/44

Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:7125597.7/37

Out: 0.000+/-0.000 χ^2/NDF:5632299.6/41

All: 0.000+/-0.000 χ^2/NDF: 13049326.1/79



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1819.936+/-424.820 χ^2/NDF:27.2/22

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2057.009+/-426.727 χ^2/NDF:26.4/21

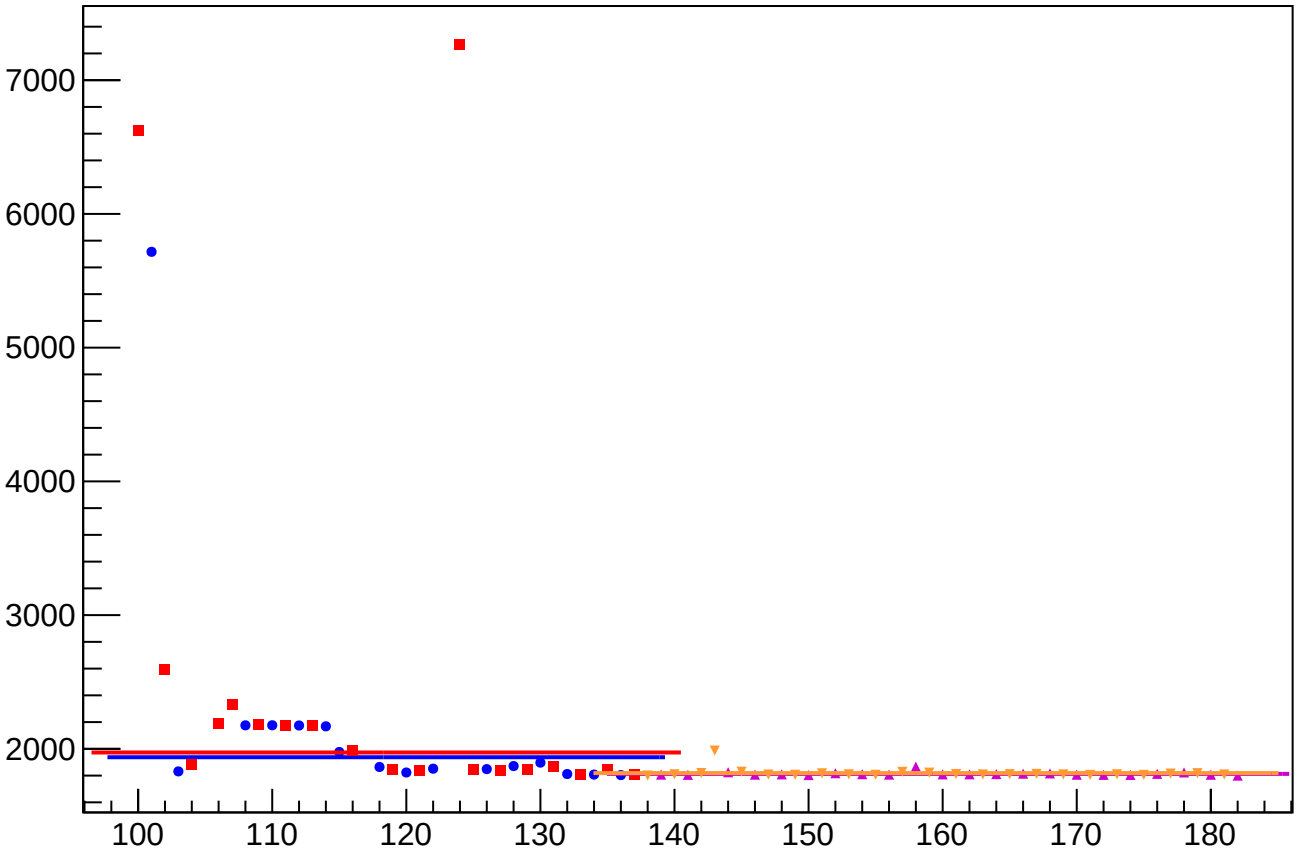
Left: 1937.941+/-301.065 χ^2/NDF: 53.8/44

Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2052.533+/-369.192 χ^2/NDF:42.9/37

Out: 1838.726+/-368.024 χ^2/NDF:45.7/41

All: 1945.291+/-260.644 χ^2/NDF: 88.8/79



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1818.623+/-0.300 χ^2/NDF:12713.2/22

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1812.750+/-0.302 χ^2/NDF:1985.0/21

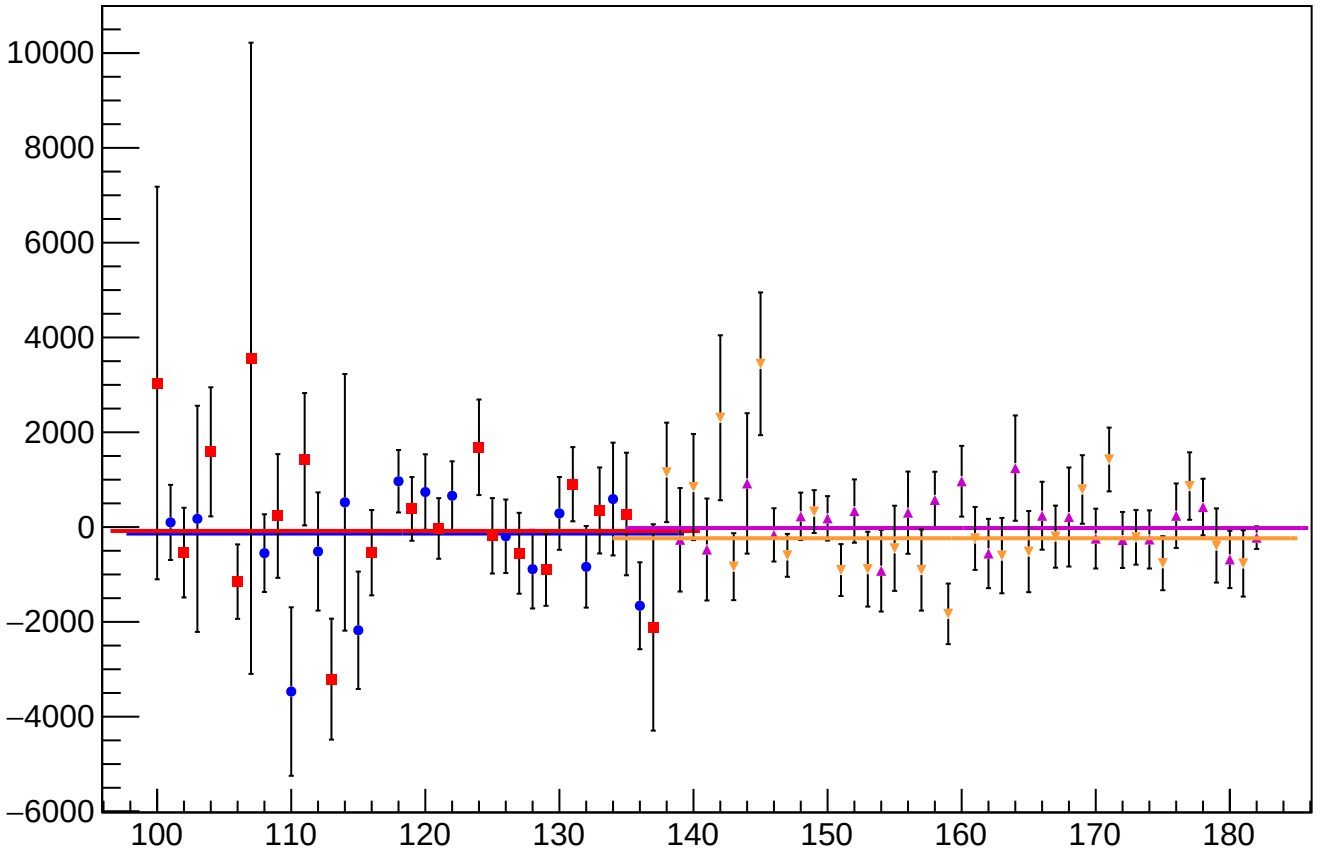
Left: 1815.699+/-0.213 χ^2/NDF: 14888.6/44

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1844.059+/-0.261 χ^2/NDF:682890.9/37

Out: 1857.082+/-0.260 χ^2/NDF:455945.8/41

All: 1850.591+/-0.184 χ^2/NDF: 1140085.0/79



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -235.379+/-144.857 χ^2/NDF:35.1/22

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: -20.287+/-126.675 χ^2/NDF:10.5/21

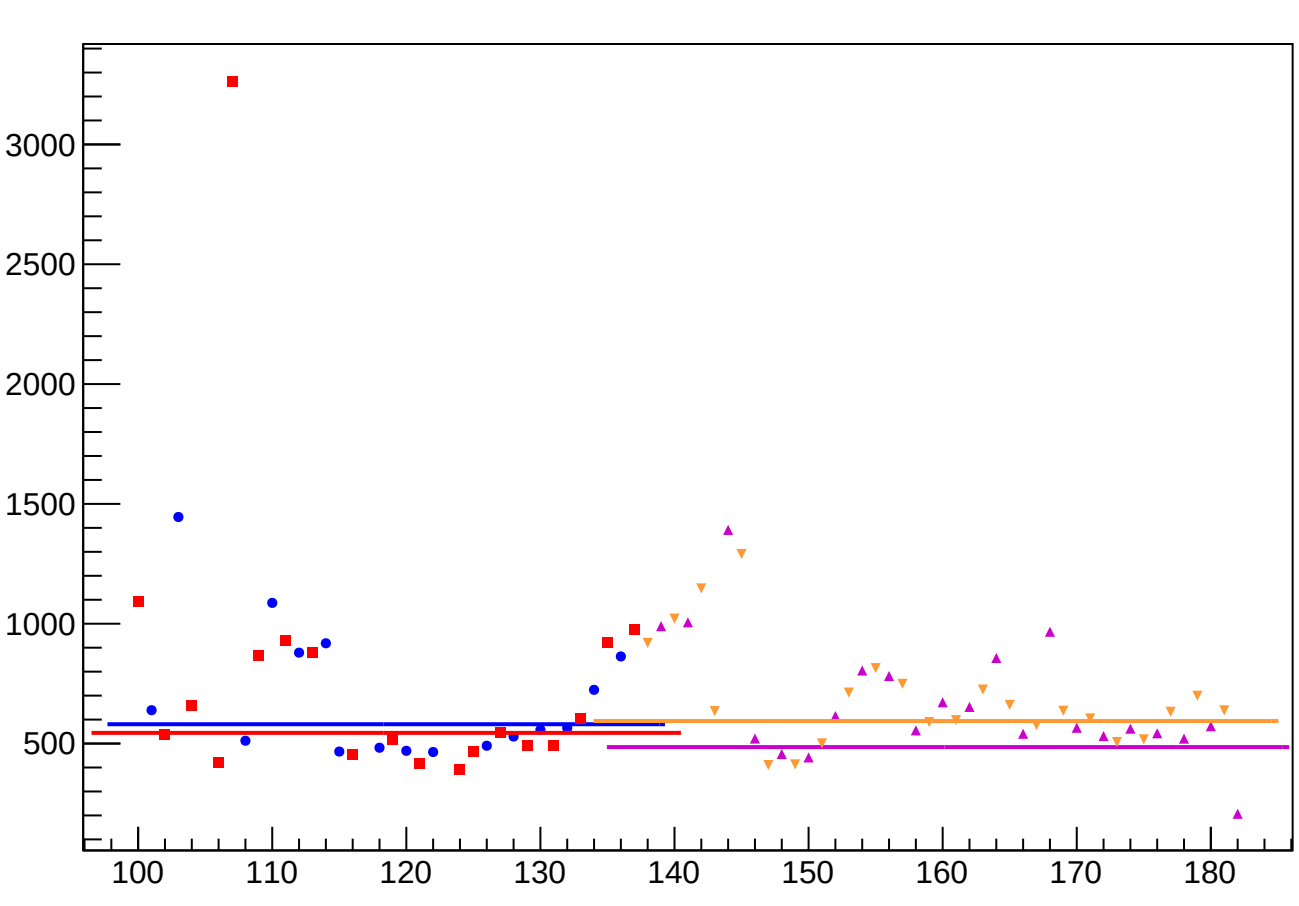
Left: -113.494+/-95.357 χ^2/NDF: 46.8/44

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -47.290+/-111.007 χ^2/NDF:27.6/37

Out: -189.670+/-121.318 χ^2/NDF:55.2/41

All: -112.173+/-81.897 χ^2/NDF: 83.5/79



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 593.893+/-0.102 χ^2/NDF:2270321.5/22

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 485.254+/-0.090 χ^2/NDF:6046534.0/21

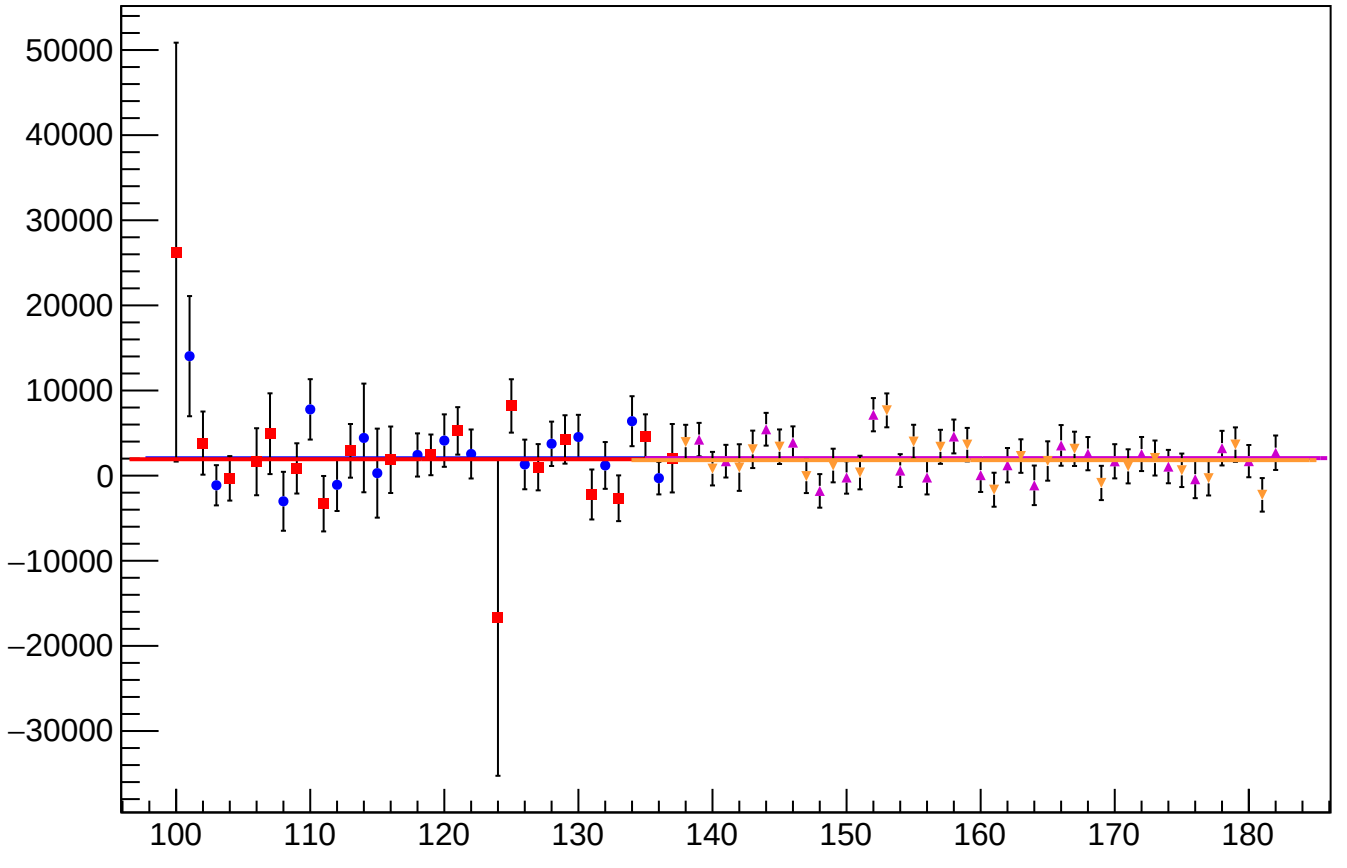
Left: 532.331+/-0.067 χ^2/NDF: 8954312.9/44

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 507.383+/-0.078 χ^2/NDF:7312957.7/37

Out: 579.154+/-0.086 χ^2/NDF:3627310.6/41

All: 540.089+/-0.058 χ^2/NDF: 11321252.8/79



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1819.914+/-424.820 χ^2/NDF:27.2/22

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2057.082+/-426.727 χ^2/NDF:26.4/21

Left: 1937.966+/-301.065 χ^2/NDF: 53.8/44

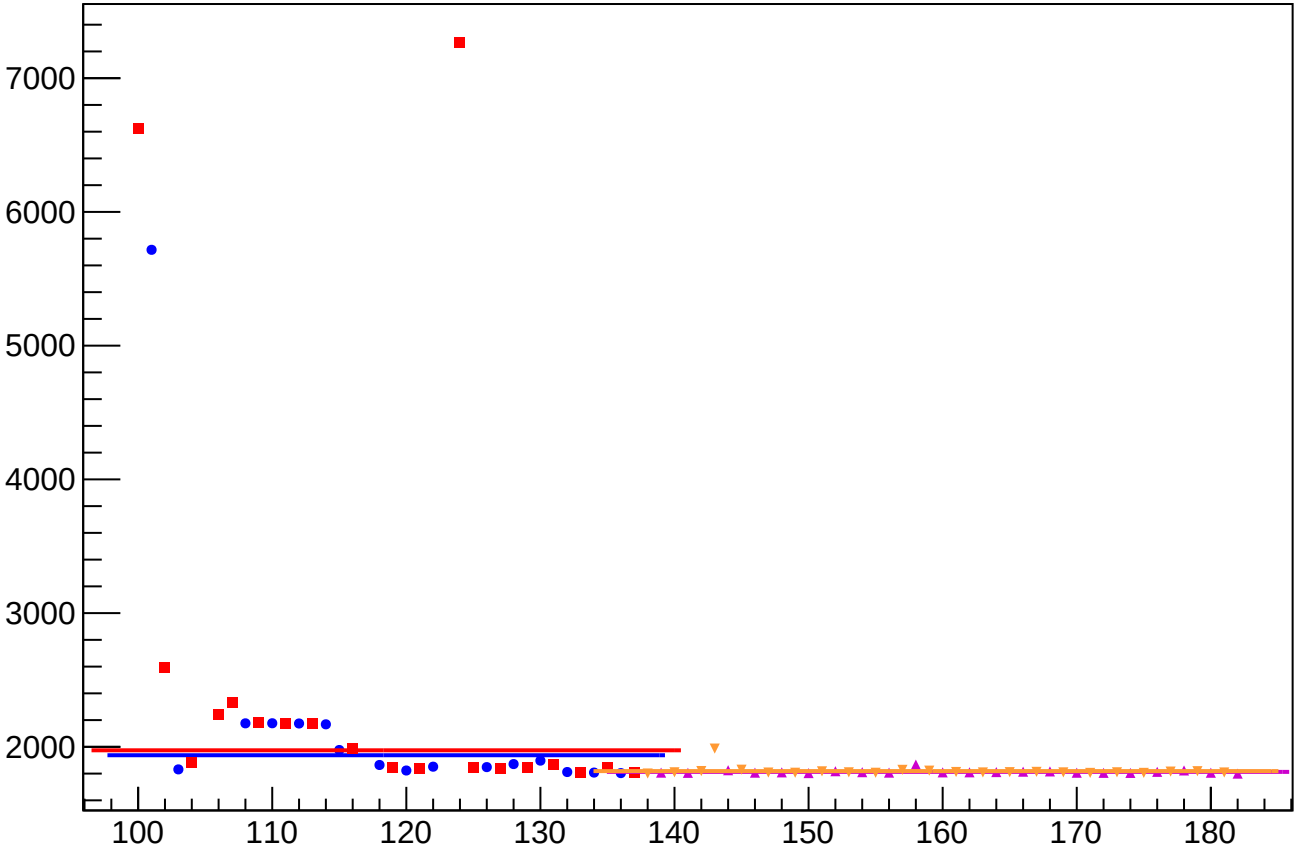
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2052.495+/-369.192 χ^2/NDF:42.9/37

Out: 1846.415+/-368.104 χ^2/NDF:45.7/41

All: 1949.150+/-260.673 χ^2/NDF: 88.7/79

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1818.623+/-0.300 χ^2/NDF:12713.2/22

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1812.750+/-0.302 χ^2/NDF:1985.0/21

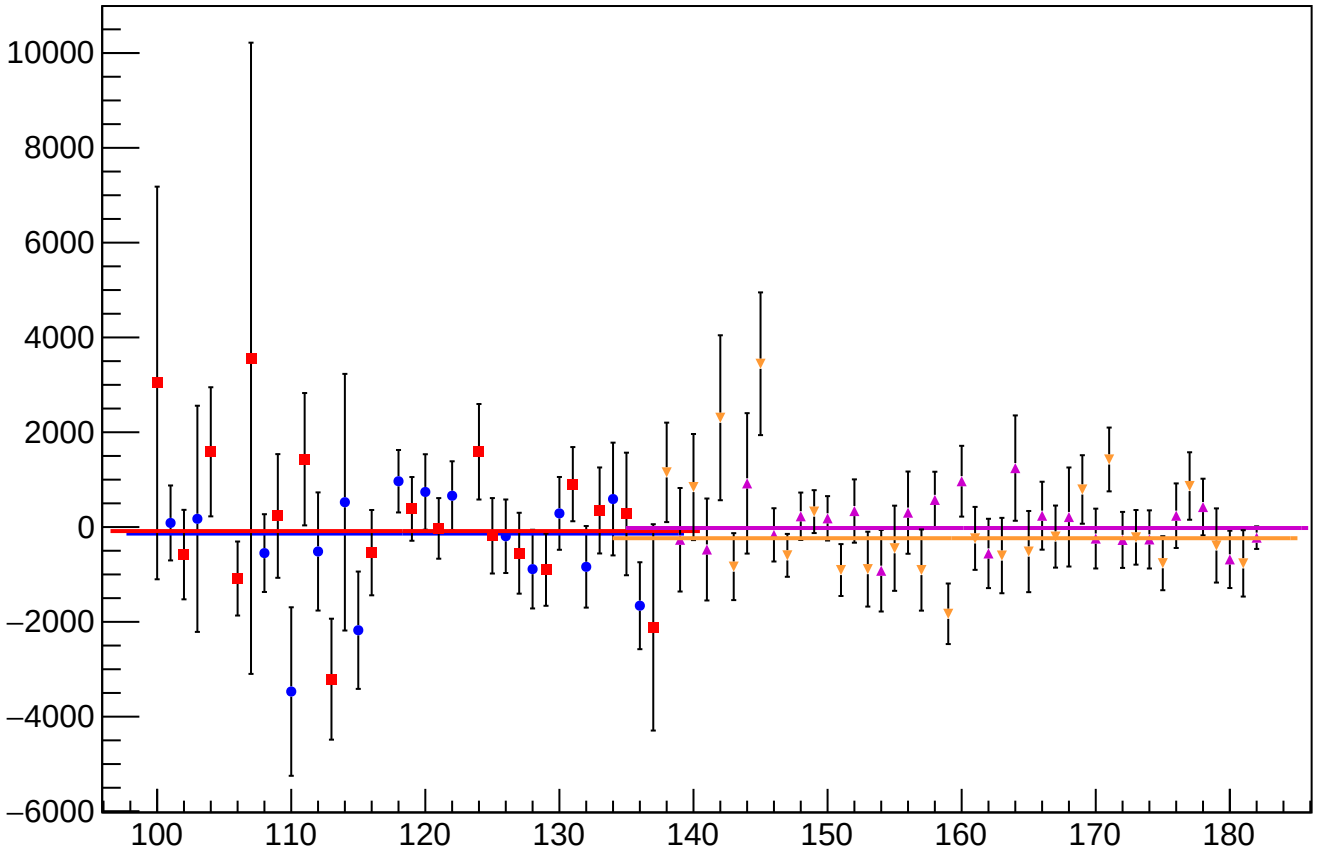
Left: 1815.699+/-0.213 χ^2/NDF: 14888.5/44

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1844.059+/-0.261 χ^2/NDF:682890.8/37

Out: 1857.379+/-0.260 χ^2/NDF:459945.3/41

All: 1850.739+/-0.184 χ^2/NDF: 1144141.6/79



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -235.428+/-144.857 χ^2/NDF:35.1/22

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -20.359+/-126.676 χ^2/NDF:10.5/21

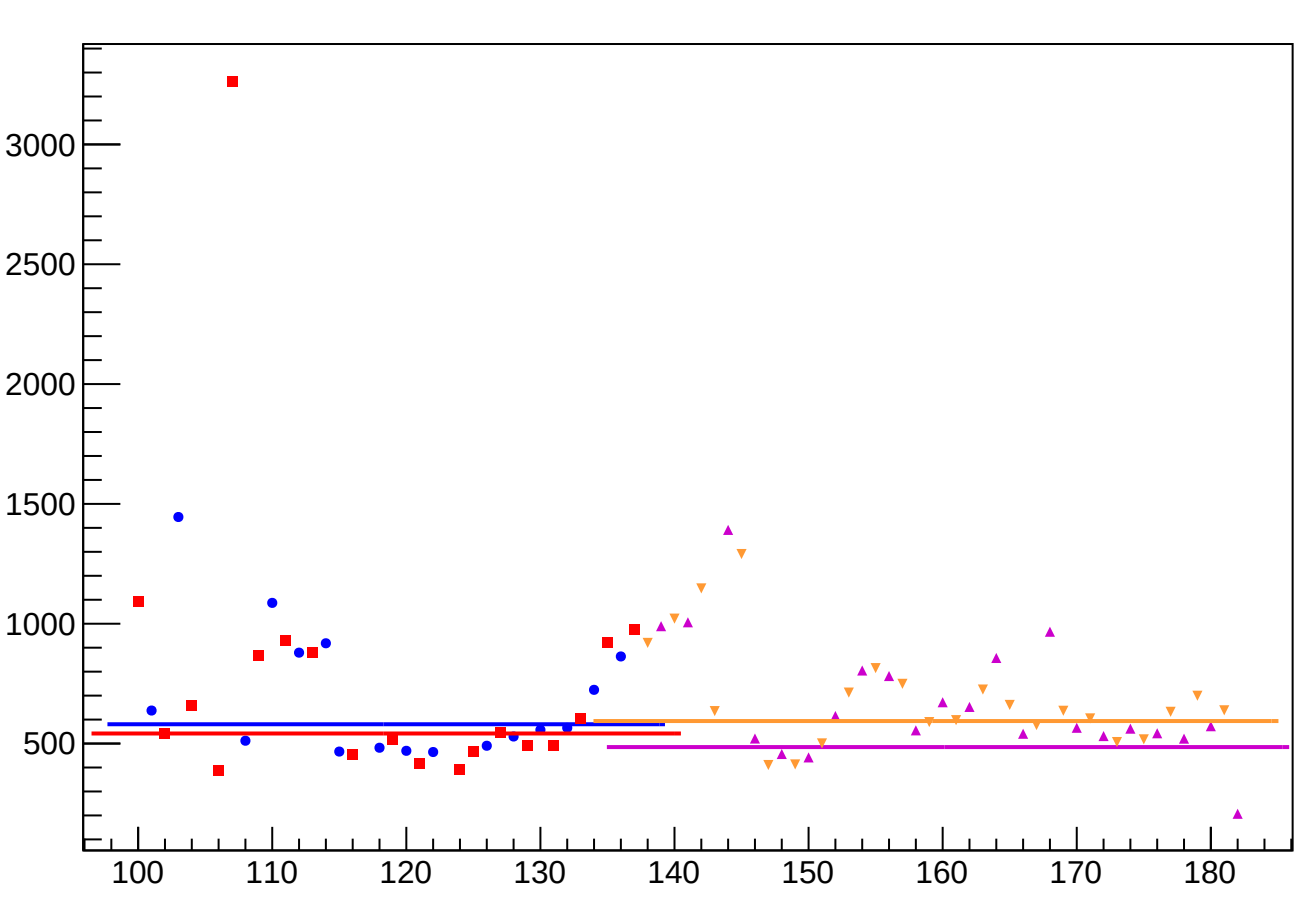
Left: -113.557+/-95.357 χ^2/NDF: 46.8/44

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -47.551+/-111.002 χ^2/NDF:27.6/37

Out: -190.457+/-121.296 χ^2/NDF:54.7/41

All: -112.684+/-81.888 χ^2/NDF: 83.0/79



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 593.892+/-0.102 χ^2/NDF:2270456.3/22

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 485.258+/-0.090 χ^2/NDF:6046564.0/21

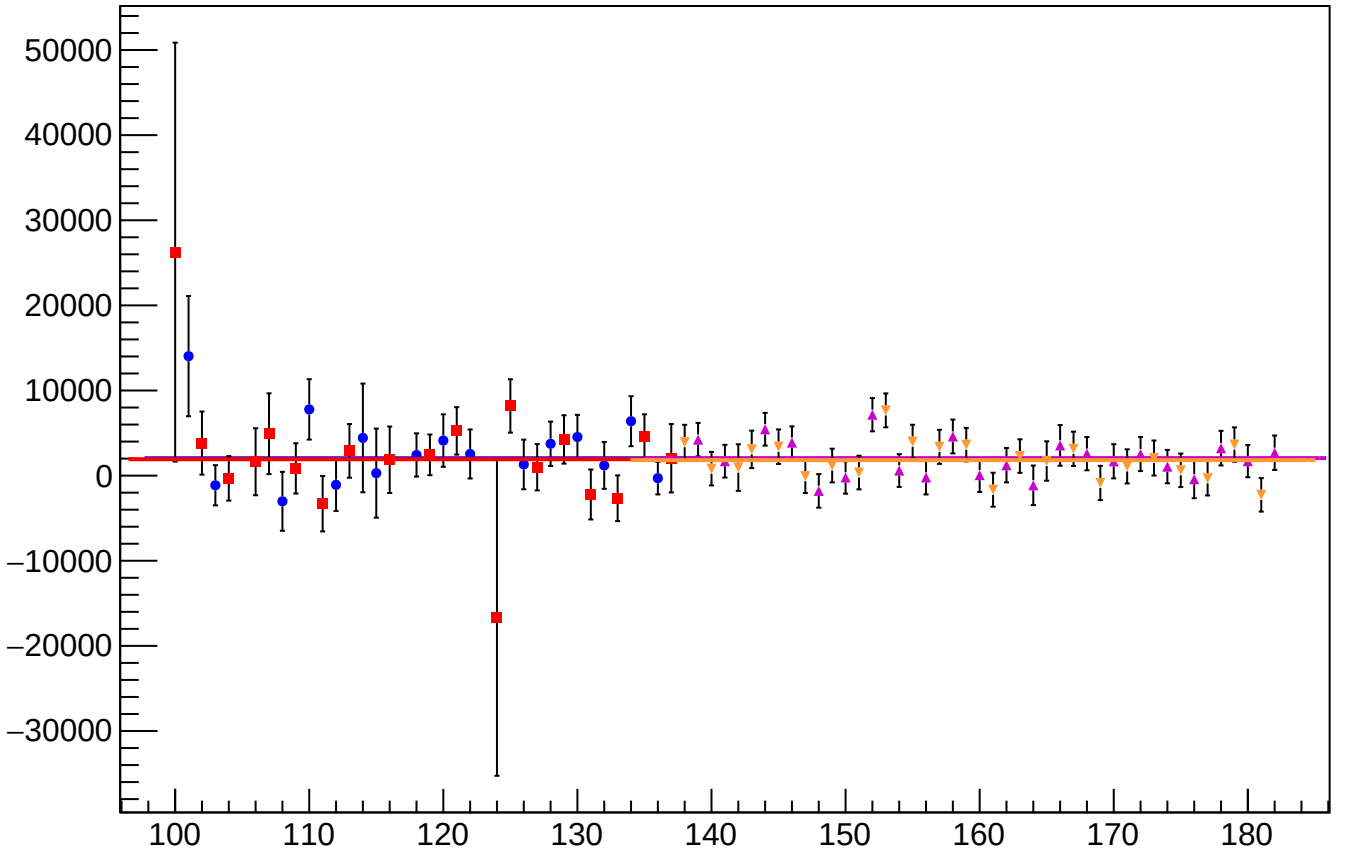
Left: 532.334+/-0.067 χ^2/NDF: 8954399.2/44

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 507.373+/-0.078 χ^2/NDF:7312027.6/37

Out: 578.366+/-0.086 χ^2/NDF:3666188.3/41

All: 539.730+/-0.058 χ^2/NDF: 11351072.8/79



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1819.914+/-424.820 χ^2/NDF:27.2/22

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2057.082+/-426.727 χ^2/NDF:26.4/21

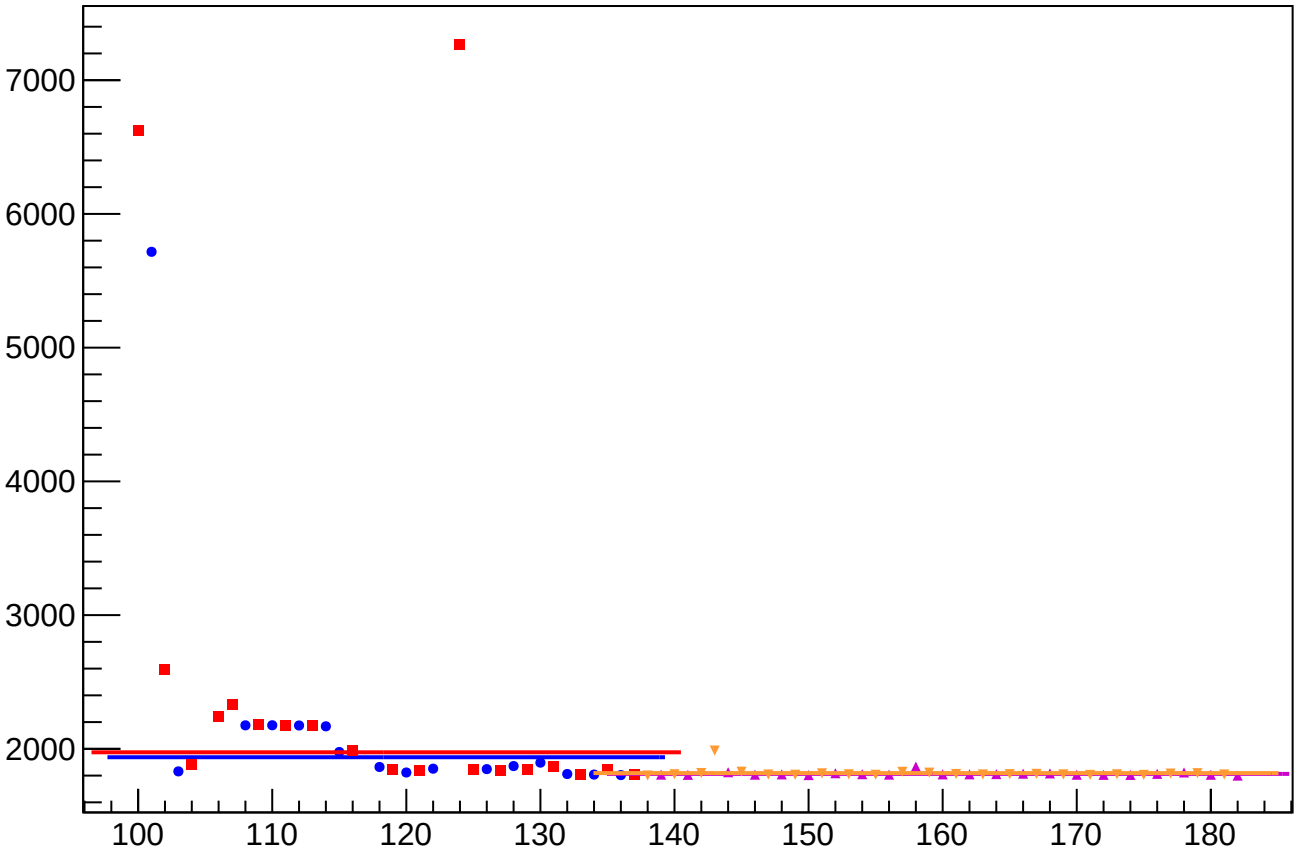
Left: 1937.966+/-301.065 χ^2/NDF: 53.8/44

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2052.495+/-369.192 χ^2/NDF:42.9/37

Out: 1846.415+/-368.104 χ^2/NDF:45.7/41

All: 1949.150+/-260.673 χ^2/NDF: 88.7/79



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1818.623+/-0.300 χ^2/NDF:12713.2/22

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1812.750+/-0.302 χ^2/NDF:1985.0/21

Left: 1815.699+/-0.213 χ^2/NDF: 14888.5/44

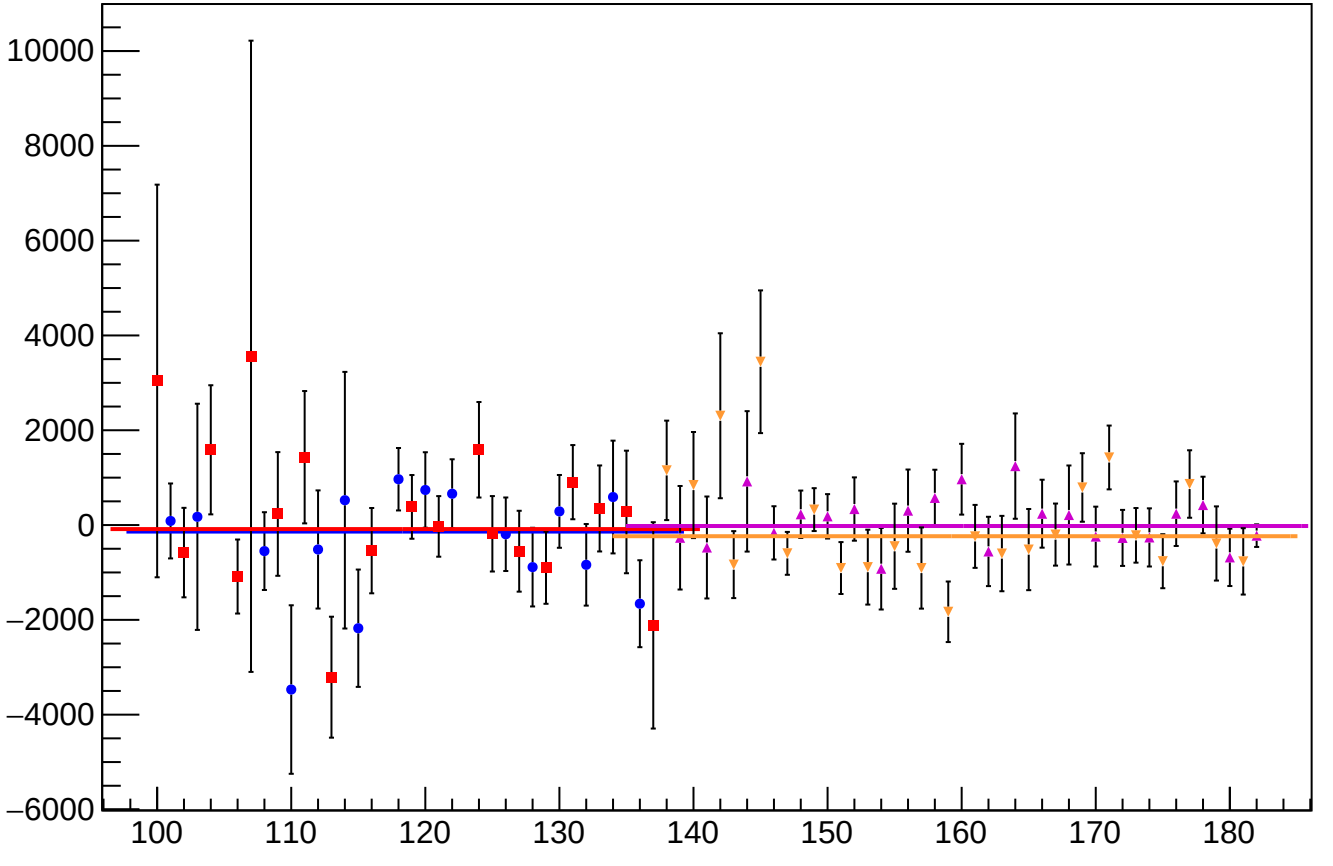
Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1844.059+/-0.261 χ^2/NDF:682890.8/37

Out: 1857.379+/-0.260 χ^2/NDF:459945.3/41

All: 1850.739+/-0.184 χ^2/NDF: 1144141.6/79

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -235.428+/-144.857 χ^2/NDF:35.1/22

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -20.359+/-126.676 χ^2/NDF:10.5/21

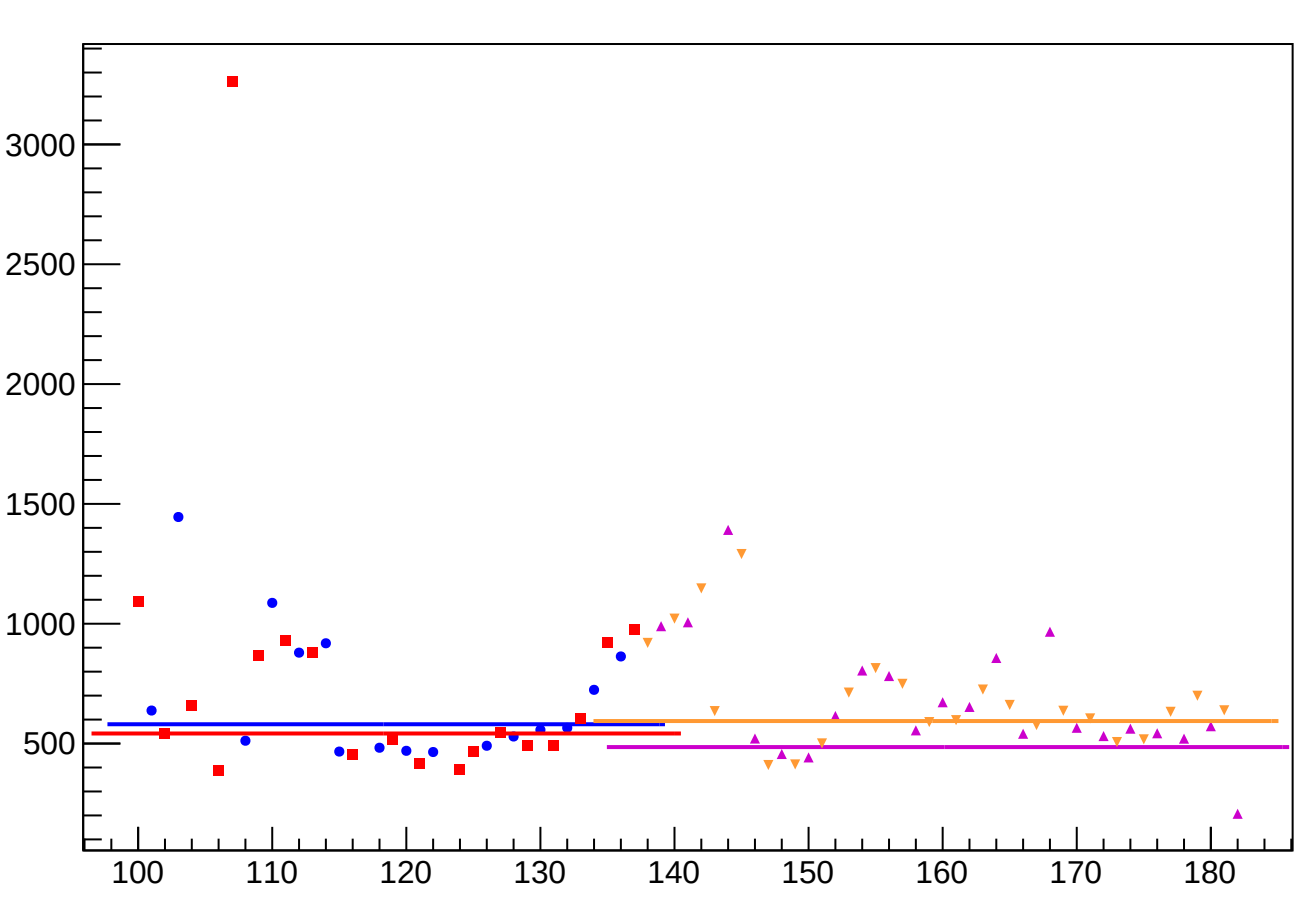
Left: -113.557+/-95.357 χ^2/NDF: 46.8/44

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -47.551+/-111.002 χ^2/NDF:27.6/37

Out: -190.457+/-121.296 χ^2/NDF:54.7/41

All: -112.684+/-81.888 χ^2/NDF: 83.0/79



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 593.892+/-0.102 χ^2/NDF:2270456.3/22

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 485.258+/-0.090 χ^2/NDF:6046564.0/21

Left: 532.334+/-0.067 χ^2/NDF: 8954399.2/44

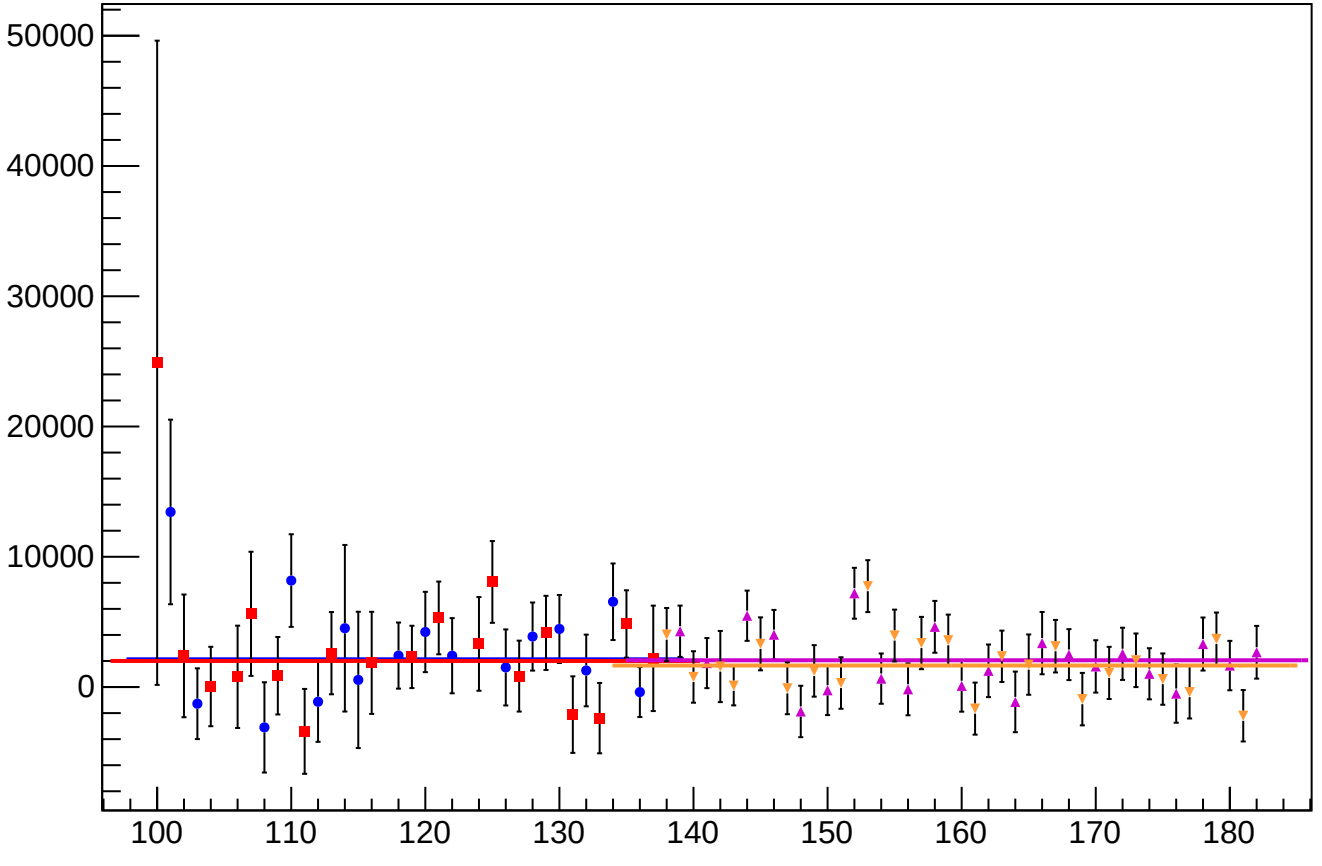
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 507.373+/-0.078 χ^2/NDF:7312027.6/37

Out: 578.366+/-0.086 χ^2/NDF:3666188.3/41

All: 539.730+/-0.058 χ^2/NDF: 11351072.8/79

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1652.641+/-416.632 χ^2/NDF:28.3/22

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2056.628+/-427.178 χ^2/NDF:26.9/21

Left: 1849.586+/-298.262 χ^2/NDF: 55.6/44

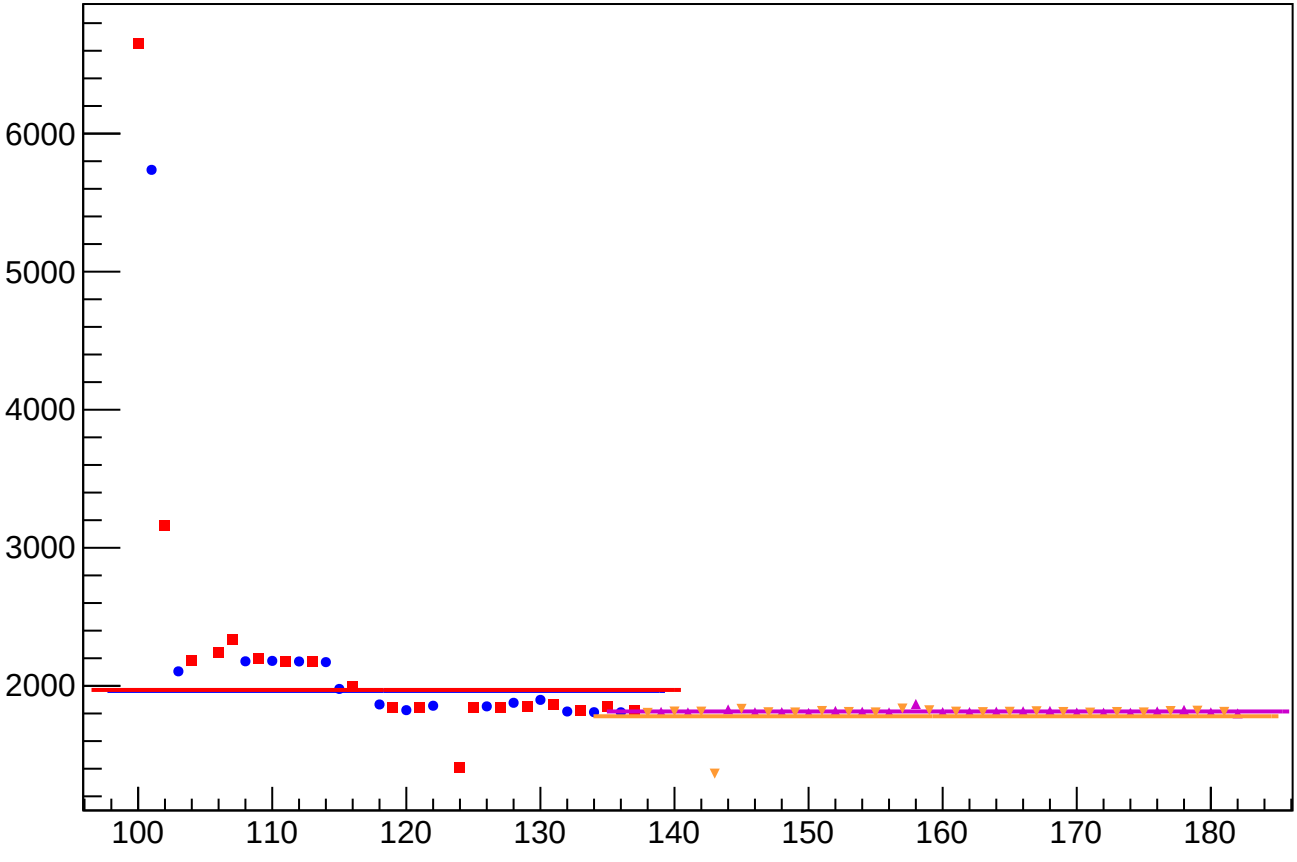
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2074.428+/-370.733 χ^2/NDF:43.4/37

Out: 1737.267+/-362.713 χ^2/NDF:45.2/41

All: 1902.162+/-259.266 χ^2/NDF: 89.0/79

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1779.831+/-0.295 χ^2/NDF:164683.0/22

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1814.647+/-0.302 χ^2/NDF:2064.5/21

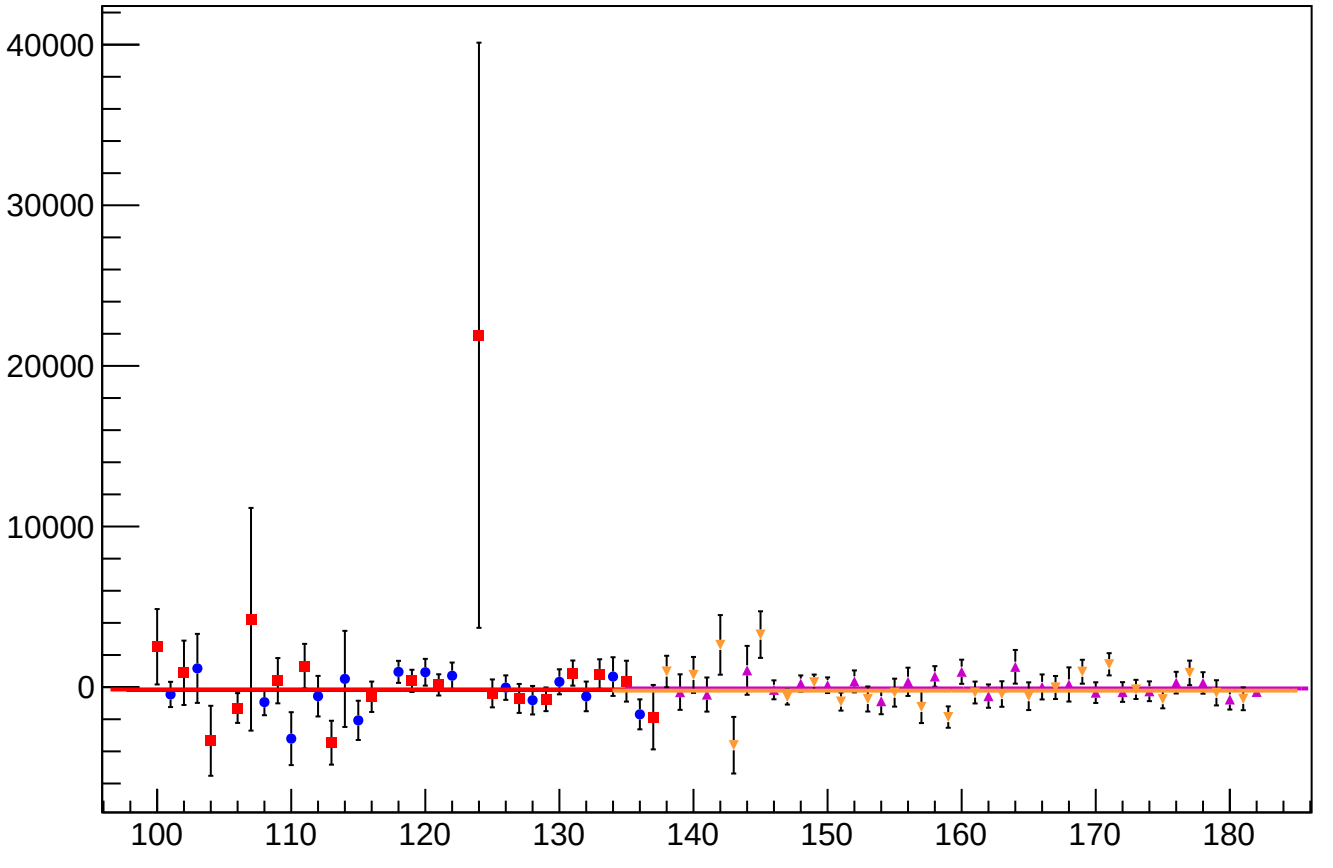
Left: 1796.804+/-0.211 χ^2/NDF: 173556.1/44

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1851.364+/-0.262 χ^2/NDF:702186.4/37

Out: 1825.979+/-0.256 χ^2/NDF:611175.4/41

All: 1838.394+/-0.183 χ^2/NDF: 1318153.0/79



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -216.721+/-152.044 χ^2/NDF:37.0/22

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: -83.443+/-124.981 χ^2/NDF:11.4/21

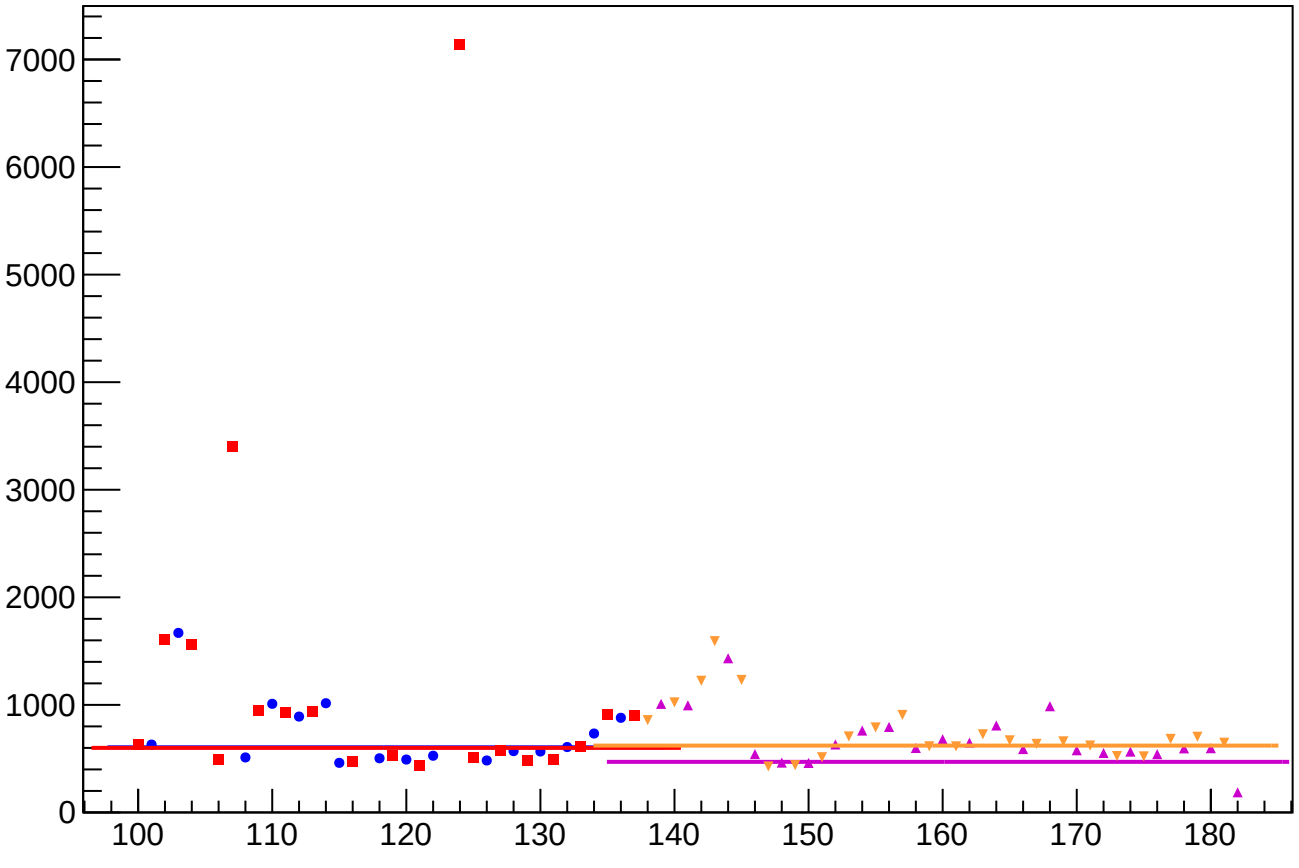
Left: -137.185+/-96.549 χ^2/NDF: 48.9/44

Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -102.456+/-110.542 χ^2/NDF:28.7/37

Out: -197.225+/-128.870 χ^2/NDF:57.2/41

All: -142.628+/-83.903 χ^2/NDF: 86.2/79



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 621.565+/-0.108 χ^2/NDF:2704765.7/22

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 470.397+/-0.088 χ^2/NDF:7316801.0/21

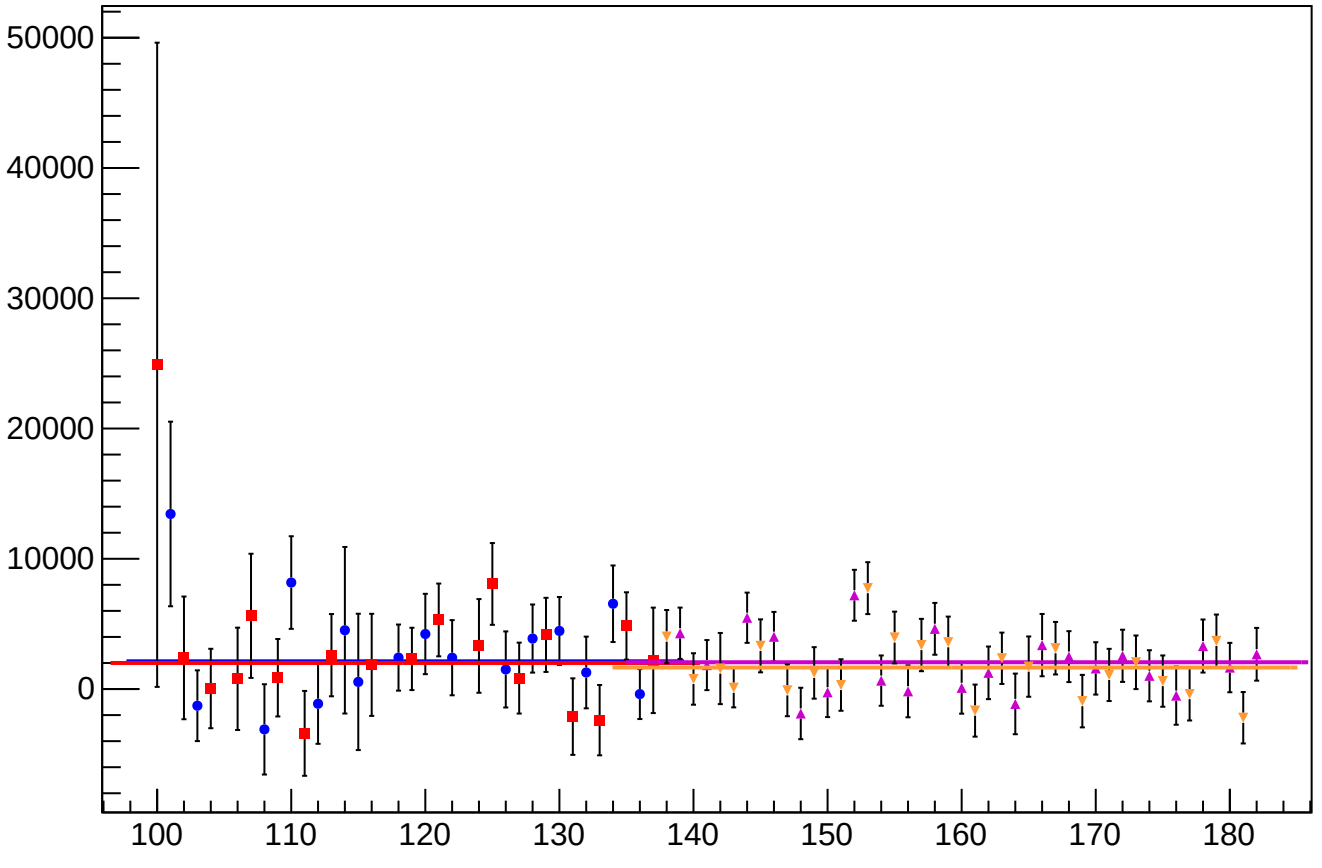
Left: 531.353+/-0.068 χ^2/NDF: 11201383.2/44

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 499.795+/-0.078 χ^2/NDF:8987531.5/37

Out: 615.618+/-0.091 χ^2/NDF:5044154.6/41

All: 548.892+/-0.059 χ^2/NDF: 14962400.5/79



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1652.641+/-416.632 χ^2/NDF:28.3/22

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2056.629+/-427.178 χ^2/NDF:26.9/21

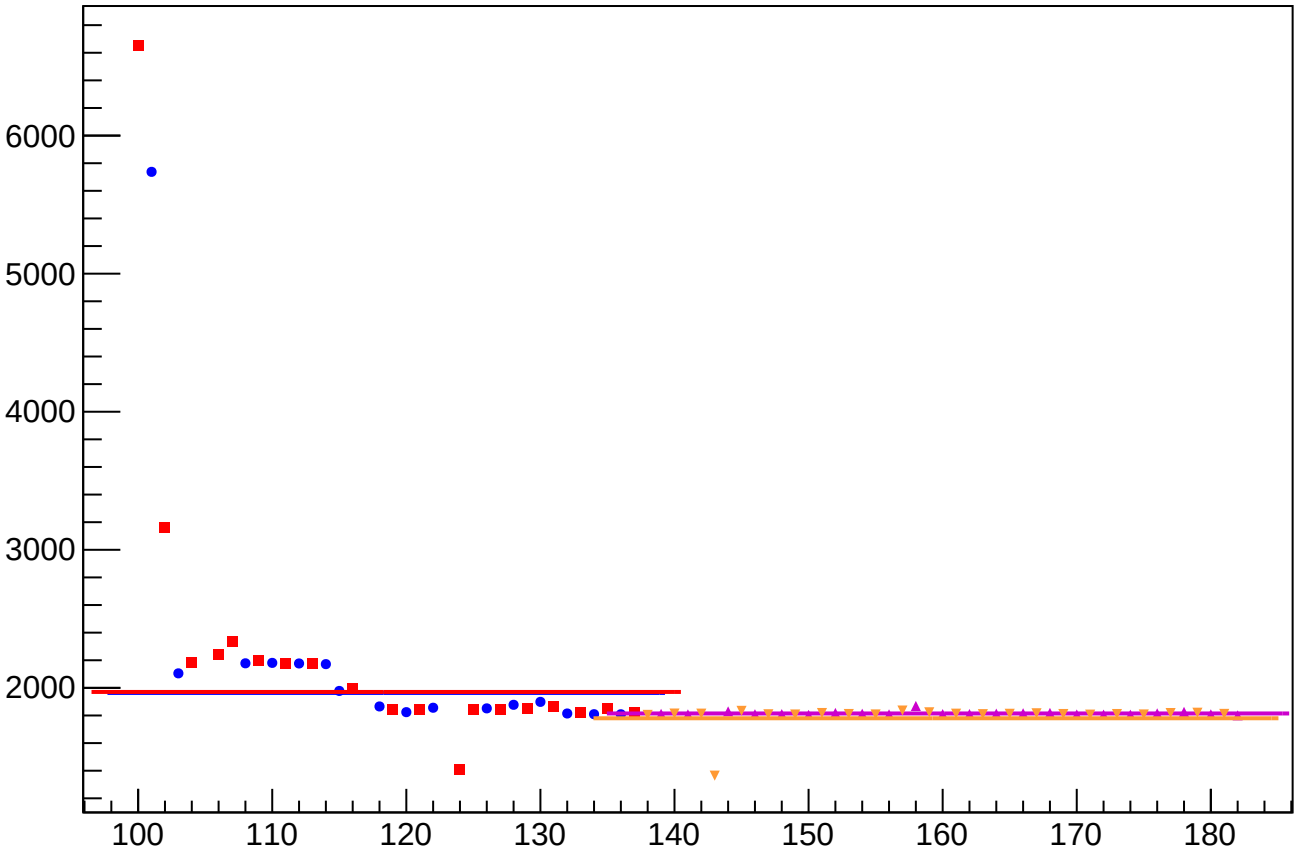
Left: 1849.586+/-298.262 χ^2/NDF: 55.6/44

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2074.428+/-370.733 χ^2/NDF:43.4/37

Out: 1737.267+/-362.713 χ^2/NDF:45.2/41

All: 1902.161+/-259.266 χ^2/NDF: 89.0/79



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1779.831+/-0.295 χ^2/NDF:164682.9/22

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1814.647+/-0.302 χ^2/NDF:2064.5/21

Left: 1796.804+/-0.211 χ^2/NDF: 173556.1/44

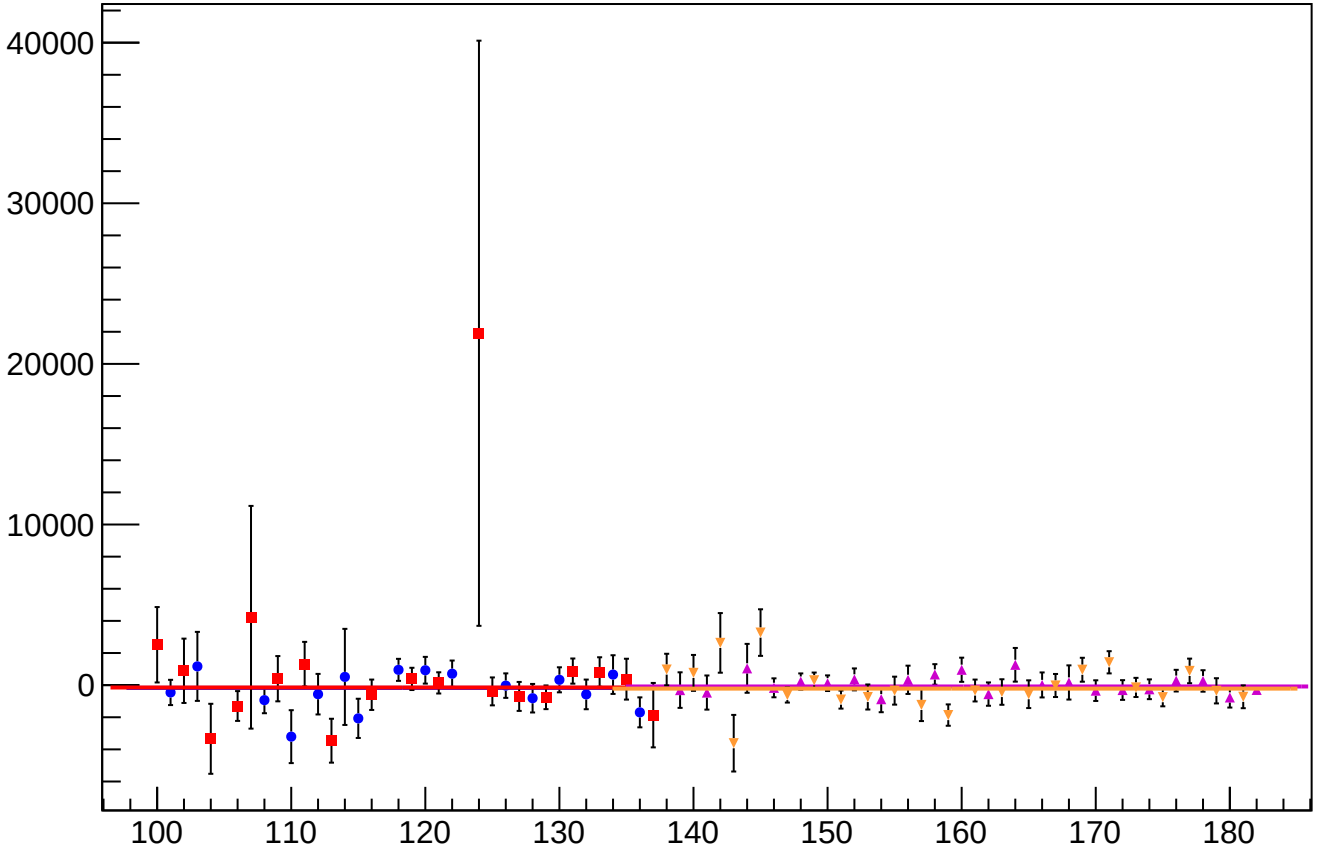
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1851.364+/-0.262 χ^2/NDF:702185.9/37

Out: 1825.979+/-0.256 χ^2/NDF:611173.8/41

All: 1838.394+/-0.183 χ^2/NDF: 1318151.0/79

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -216.721+/-152.044 χ^2/NDF:37.0/22

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: -83.443+/-124.982 χ^2/NDF:11.4/21

Left: -137.186+/-96.549 χ^2/NDF: 48.9/44

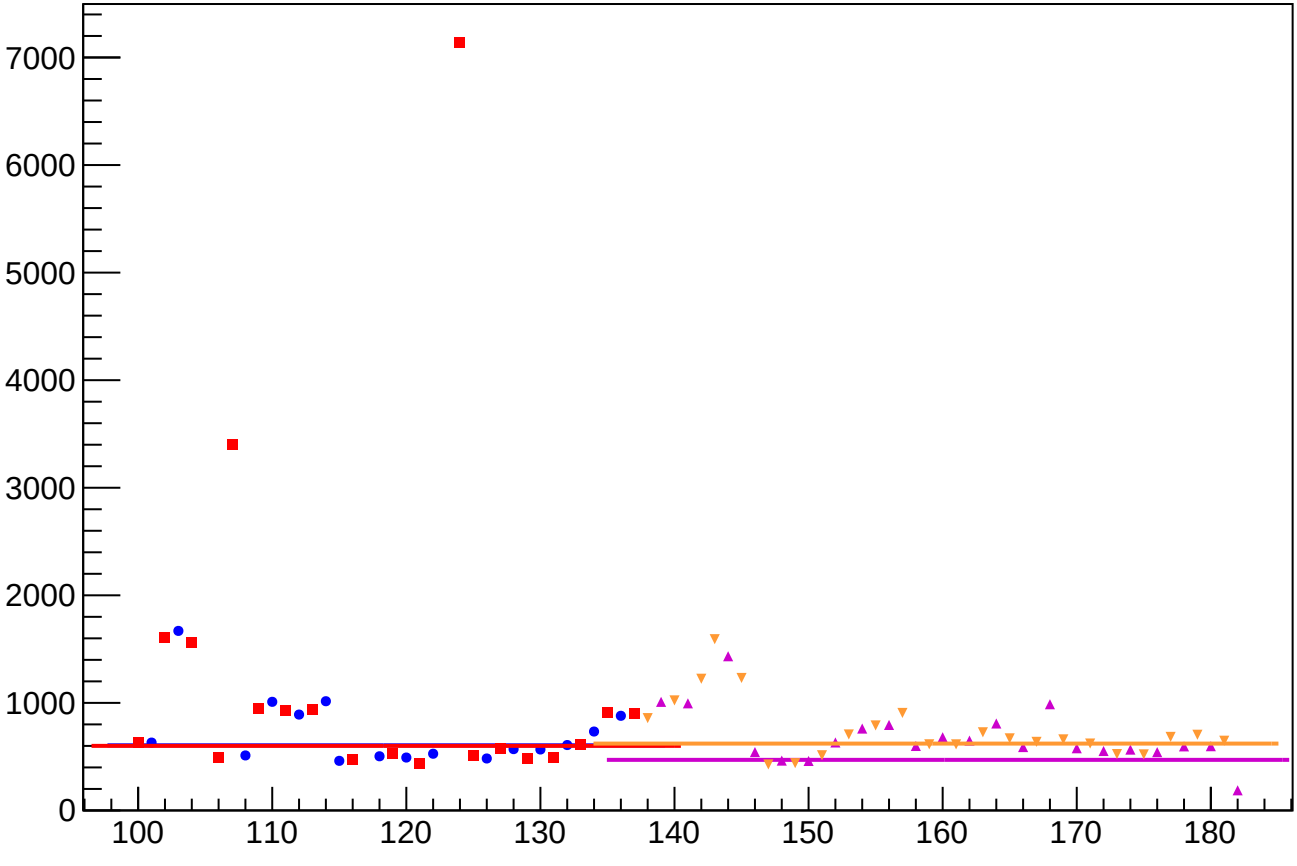
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -102.456+/-110.542 χ^2/NDF:28.7/37

Out: -197.225+/-128.870 χ^2/NDF:57.2/41

All: -142.628+/-83.904 χ^2/NDF: 86.2/79

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: 621.566+/-0.108 χ^2/NDF:2704758.5/22

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 470.398+/-0.088 χ^2/NDF:7316779.8/21

Left: 531.354+/-0.068 χ^2/NDF: 11201349.8/44

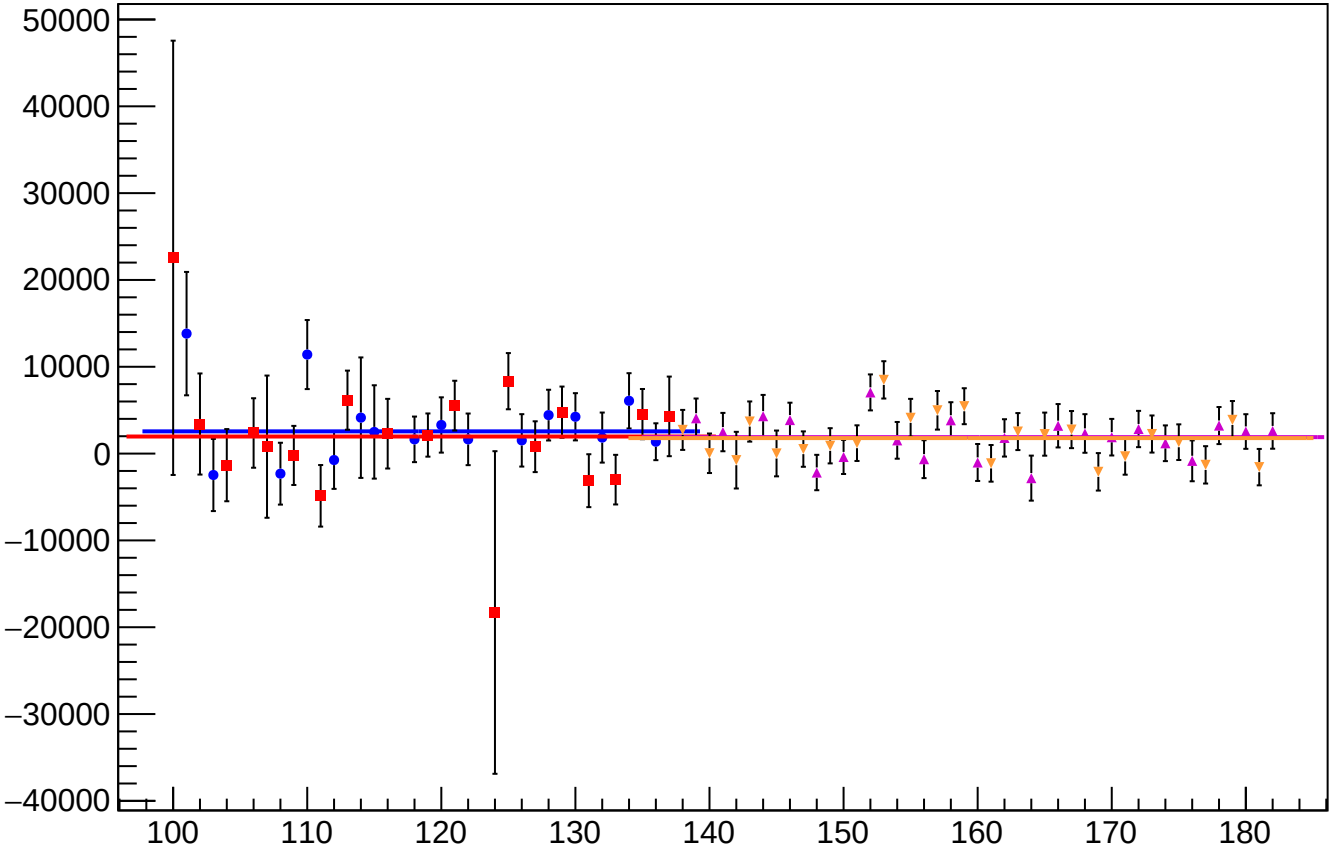
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 499.796+/-0.078 χ^2/NDF:8987503.2/37

Out: 615.618+/-0.091 χ^2/NDF:5044157.2/41

All: 548.892+/-0.059 χ^2/NDF: 14962368.7/79

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1784.249+/-458.156 χ^2/NDF:31.4/22

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1895.547+/-459.162 χ^2/NDF:24.5/21

Left: 1839.776+/-324.320 χ^2/NDF: 55.9/44

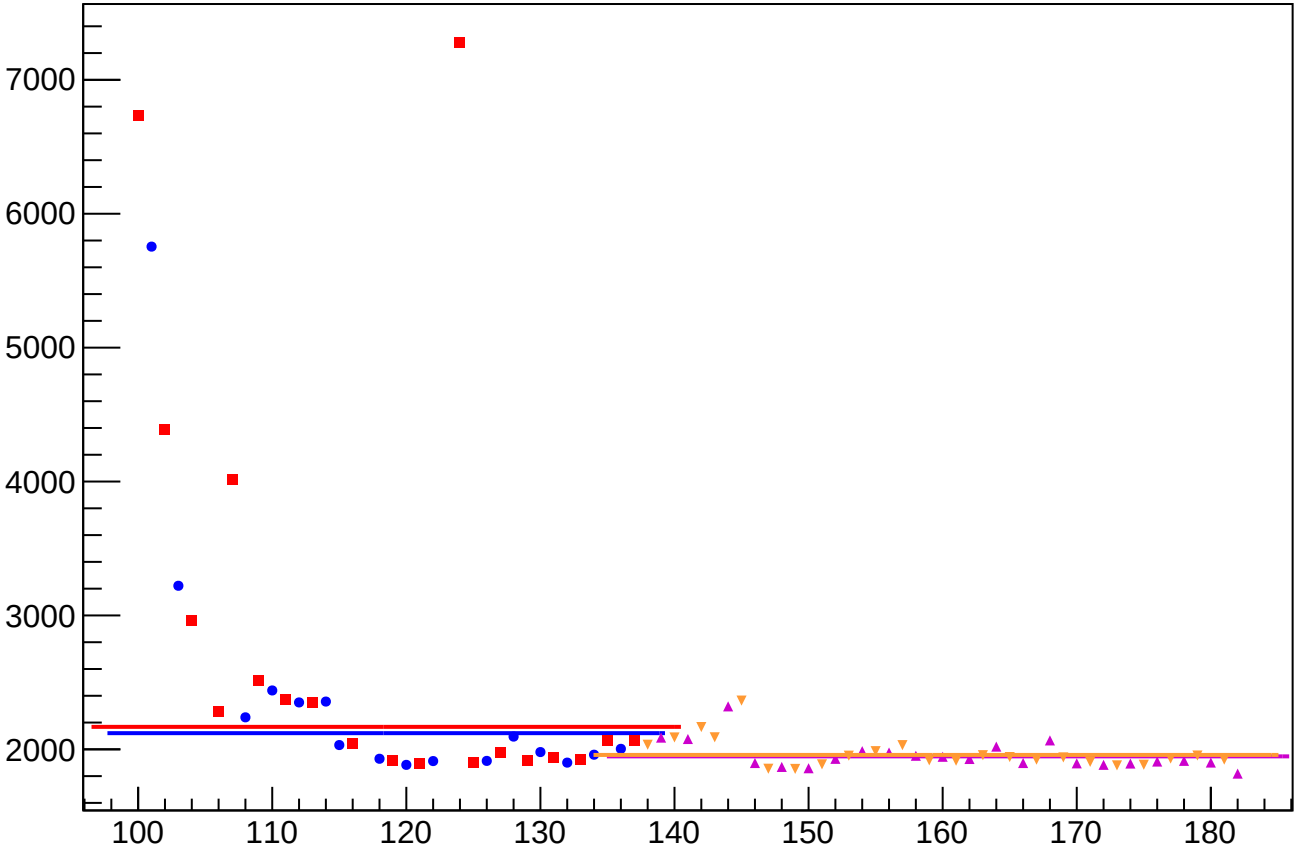
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2057.476+/-399.406 χ^2/NDF:39.6/37

Out: 1827.757+/-399.826 χ^2/NDF:53.0/41

All: 1942.737+/-282.571 χ^2/NDF: 92.8/79

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1958.217+/-0.324 χ^2/NDF:95648.5/22

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1947.471+/-0.325 χ^2/NDF:93159.3/21

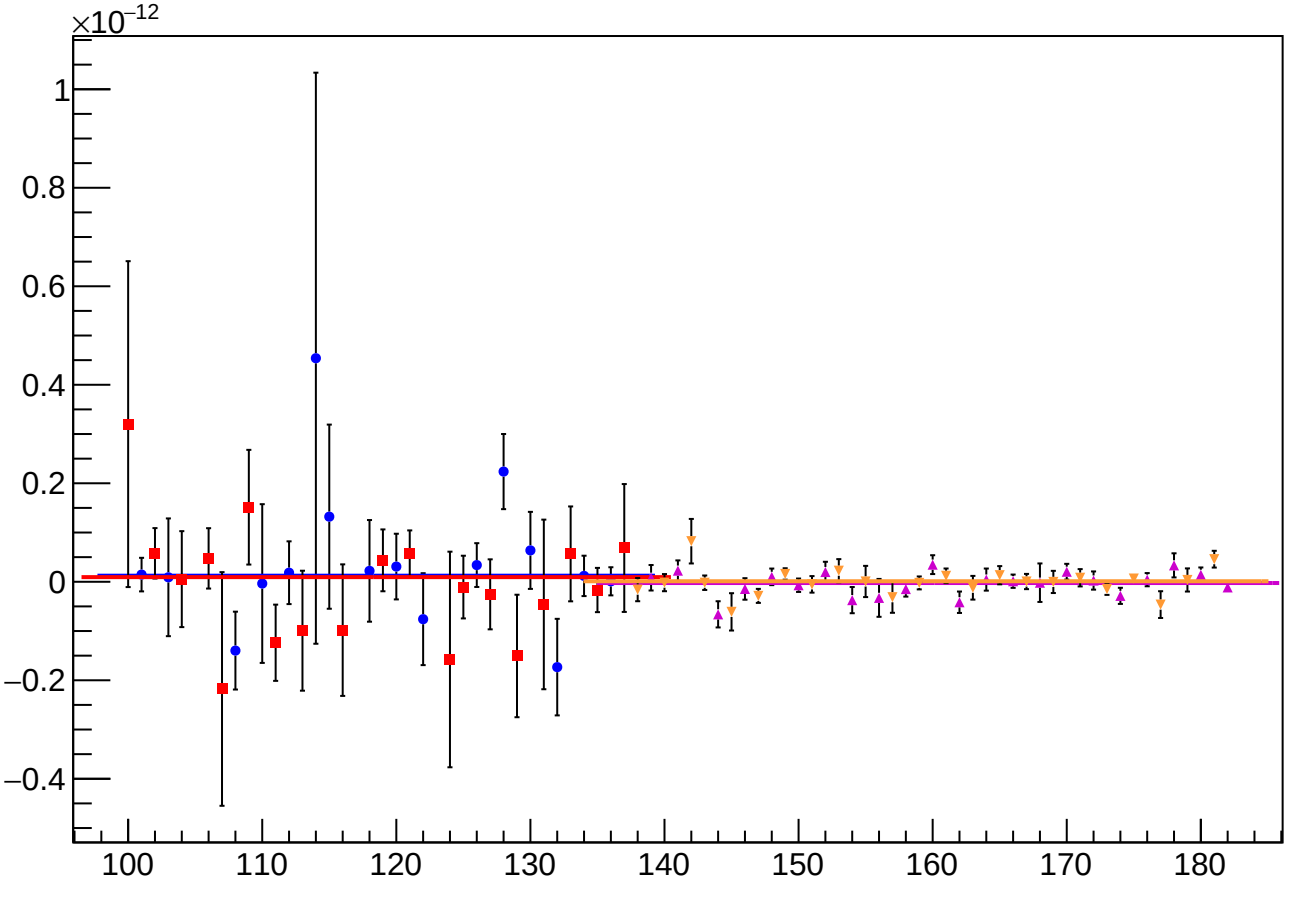
Left: 1952.856+/-0.229 χ^2/NDF: 189356.7/44

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 1989.645+/-0.282 χ^2/NDF:922463.5/37

Out: 2008.196+/-0.283 χ^2/NDF:1019396.0/41

All: 1998.911+/-0.200 χ^2/NDF: 1944014.5/79



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:29.2/21

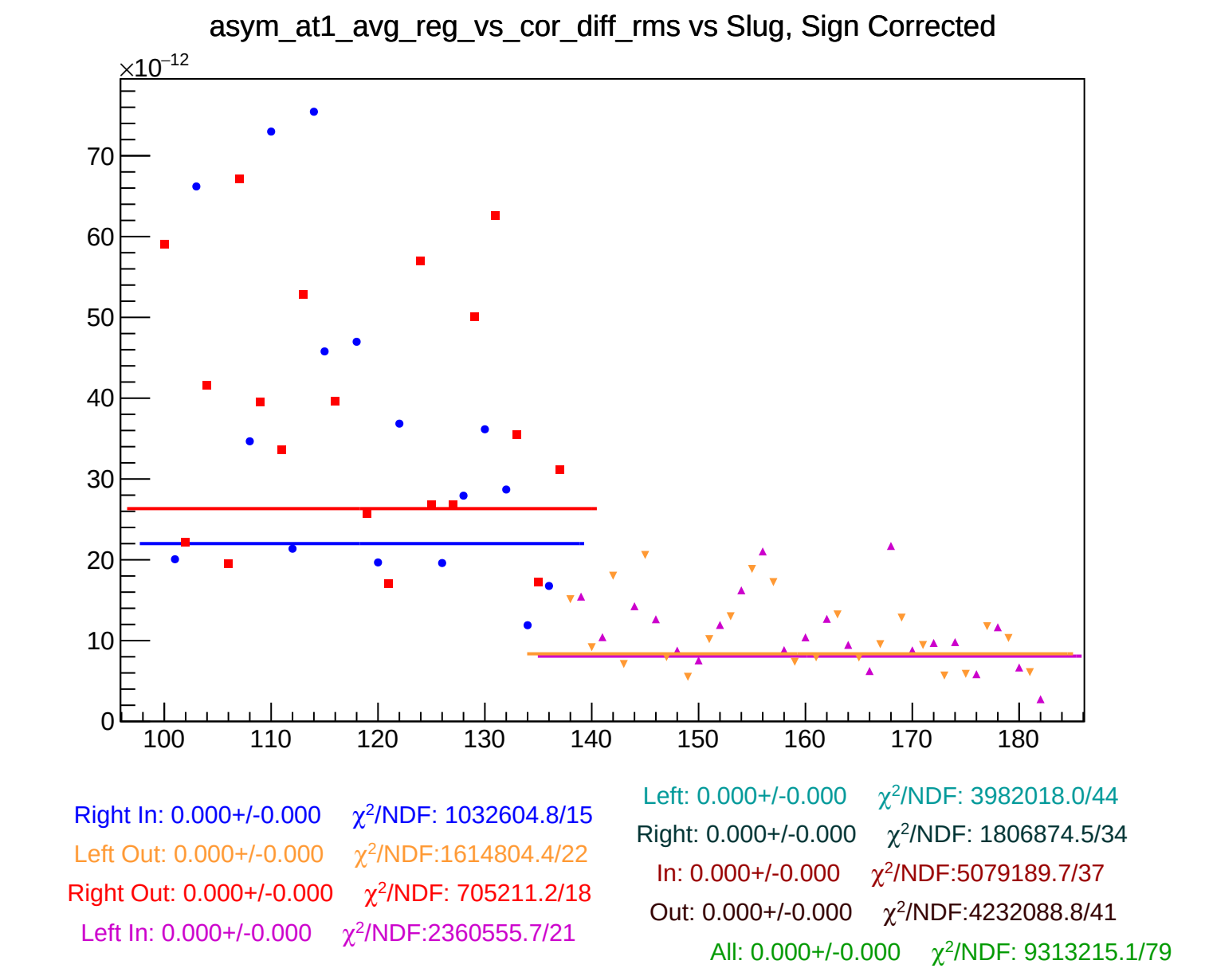
Left: -0.000+/-0.000 χ^2/NDF: 57.9/44

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

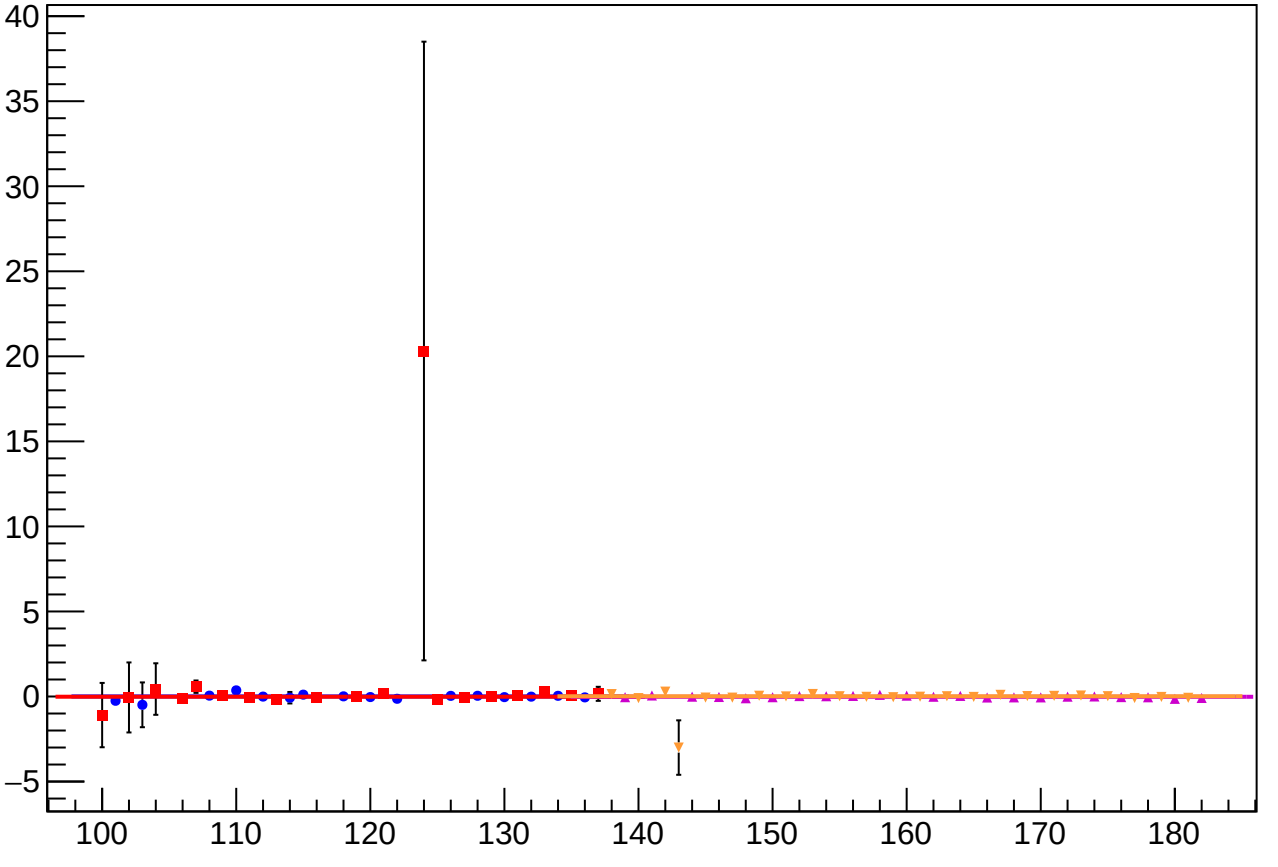
In: -0.000+/-0.000 χ^2/NDF:48.0/37

Out: 0.000+/-0.000 χ^2/NDF:42.2/41

All: -0.000+/-0.000 χ^2/NDF: 90.5/79


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
0
10
20
30
40
50
60
70
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1614804.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:2360555.7/21
Left: 0.000+/-0.000 χ²/NDF: 3982018.0/44
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:5079189.7/37
Out: 0.000+/-0.000 χ²/NDF:4232088.8/41
All: 0.000+/-0.000 χ²/NDF: 9313215.1/79

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: 0.014+/-0.013 χ^2/NDF:28.3/22

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.017+/-0.012 χ^2/NDF:19.3/21

Left: -0.002+/-0.009 χ^2/NDF: 50.6/44

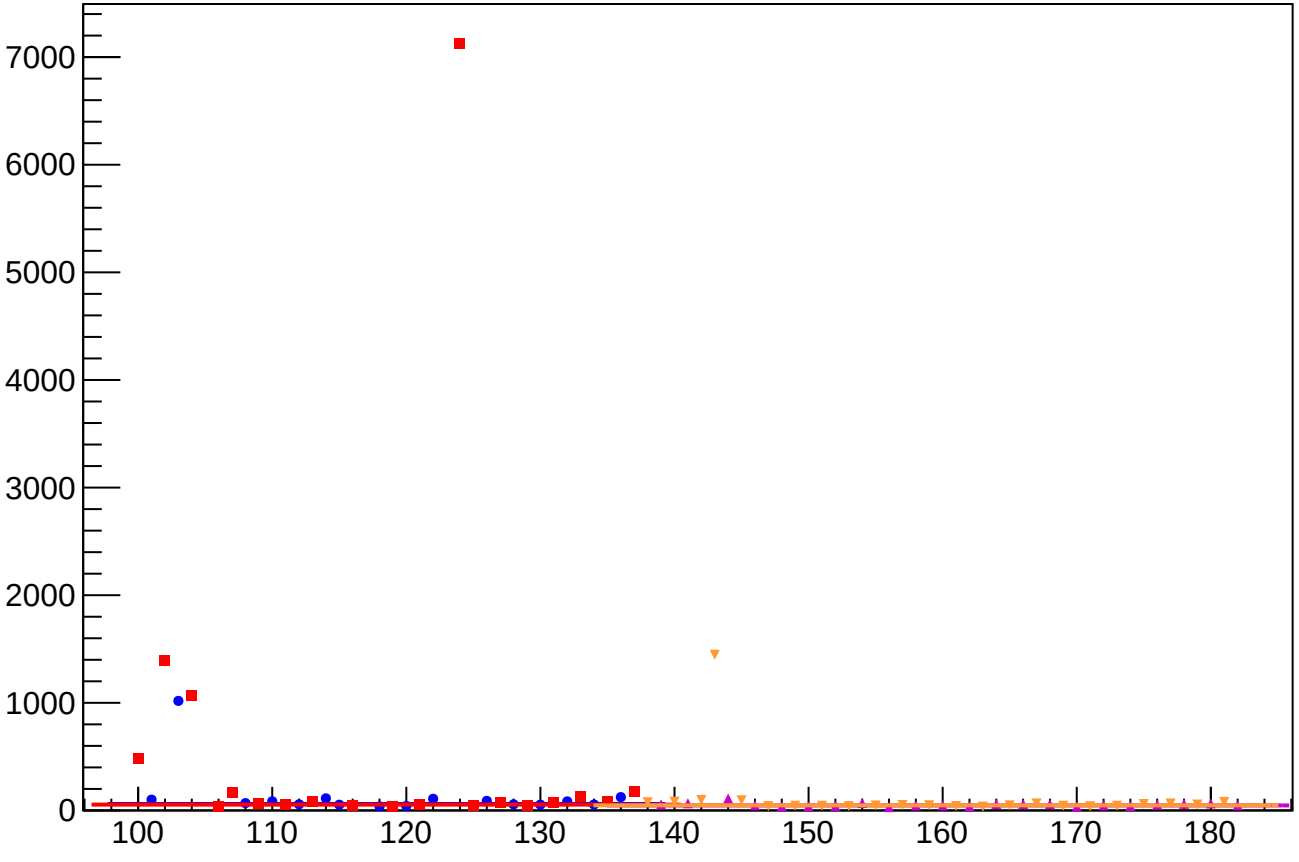
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.013+/-0.011 χ^2/NDF:31.1/37

Out: 0.009+/-0.011 χ^2/NDF:46.8/41

All: -0.002+/-0.008 χ^2/NDF: 79.8/79

asym_at1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 47.757+/-0.009 χ^2/NDF:3430195.1/22

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.742+/-0.009 χ^2/NDF:1947837.7/21

Left: 47.231+/-0.006 χ^2/NDF: 5384550.0/44

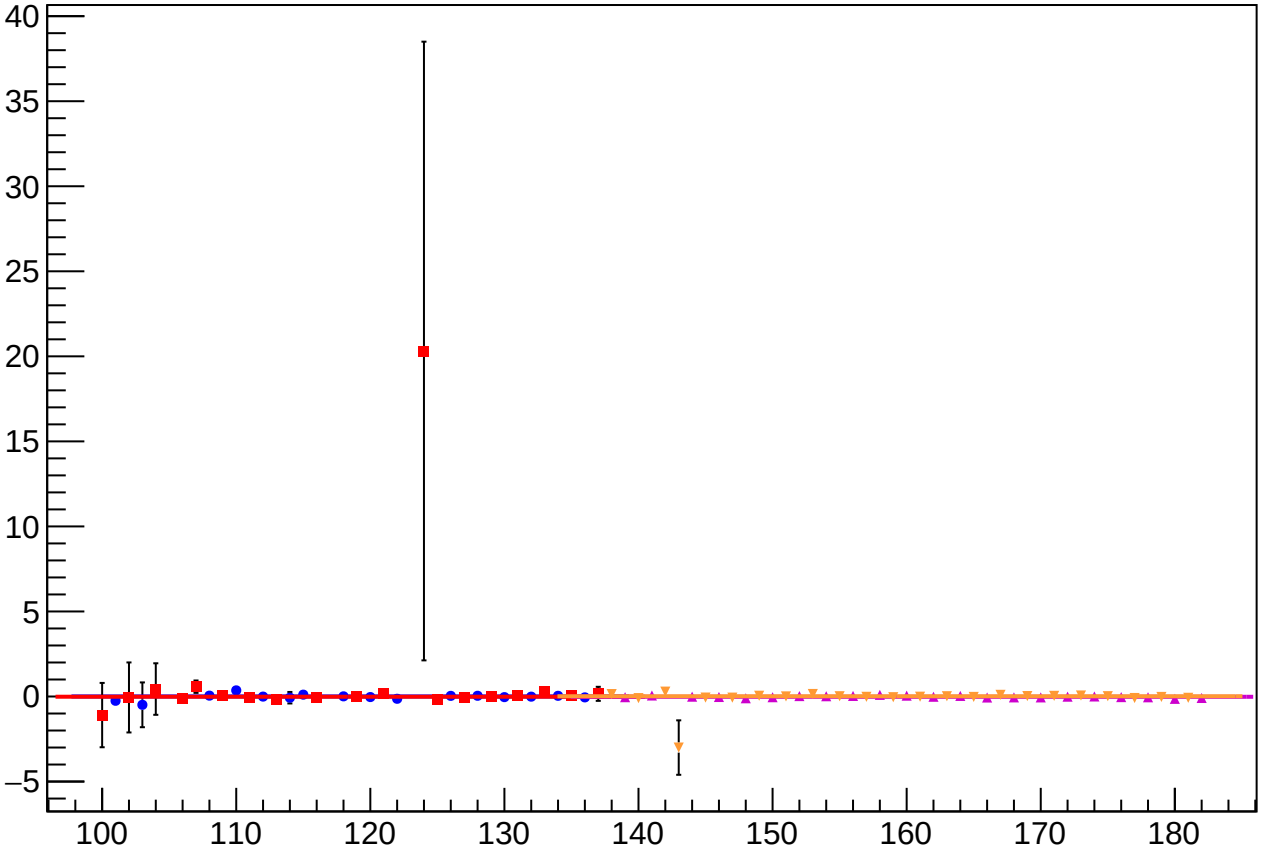
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.048+/-0.008 χ^2/NDF:4882730.1/37

Out: 49.039+/-0.008 χ^2/NDF:7053296.9/41

All: 49.044+/-0.006 χ^2/NDF: 11936027.5/79

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: 0.014+/-0.013 χ^2/NDF:28.3/22

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.017+/-0.012 χ^2/NDF:19.3/21

Left: -0.002+/-0.009 χ^2/NDF: 50.6/44

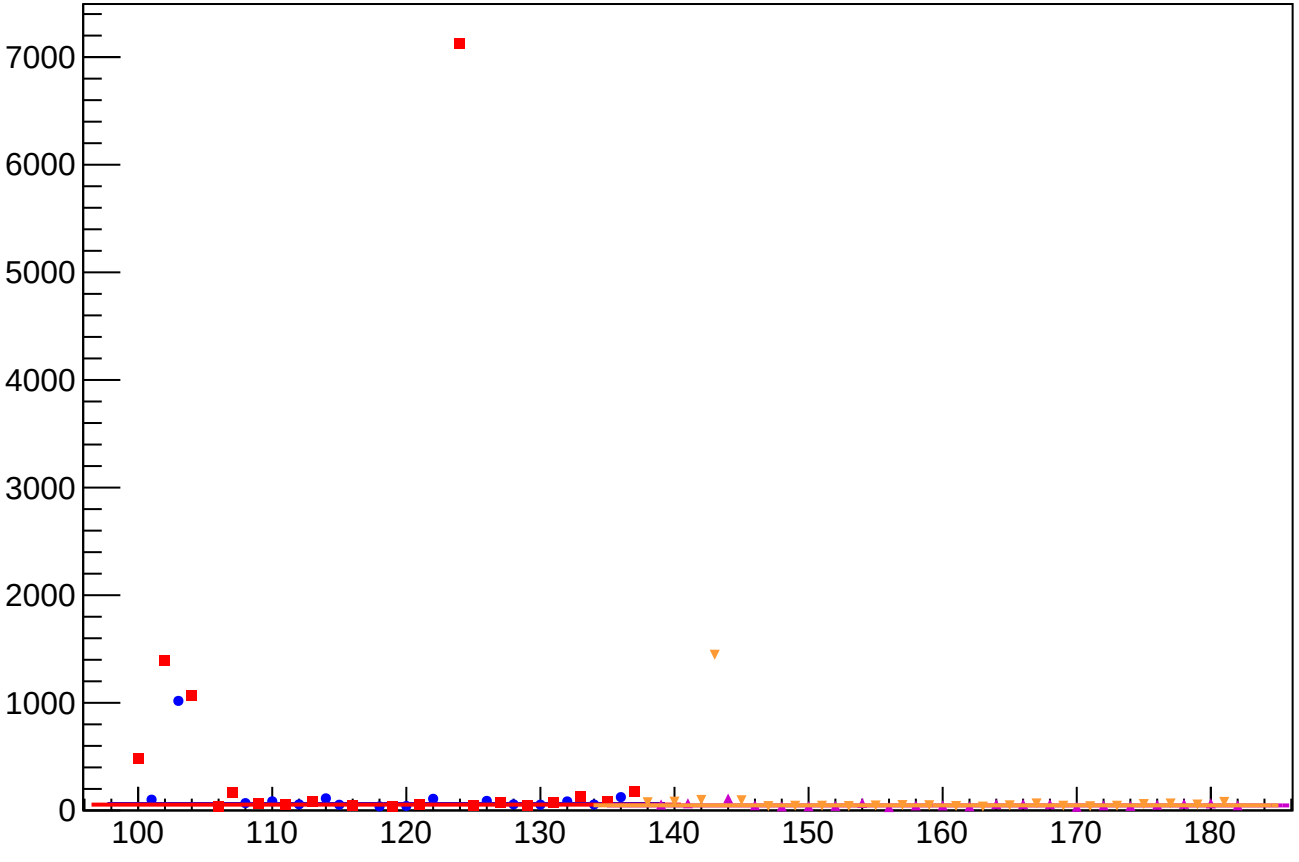
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.013+/-0.011 χ^2/NDF:31.1/37

Out: 0.009+/-0.011 χ^2/NDF:46.8/41

All: -0.002+/-0.008 χ^2/NDF: 79.8/79

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: 47.757+/-0.009 χ^2/NDF:3430195.1/22

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.742+/-0.009 χ^2/NDF:1947837.7/21

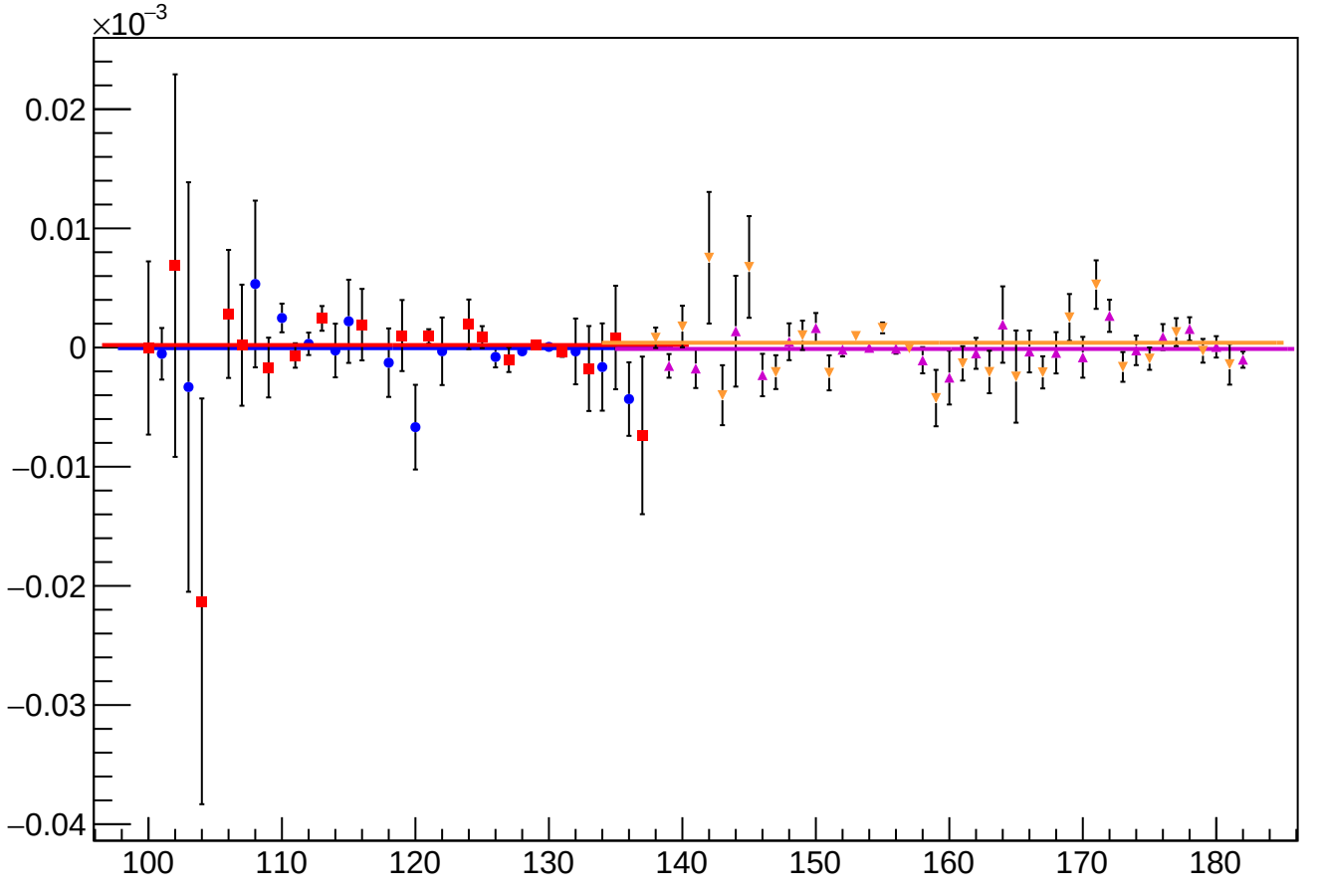
Left: 47.231+/-0.006 χ^2/NDF: 5384550.0/44

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.048+/-0.008 χ^2/NDF:4882730.1/37

Out: 49.039+/-0.008 χ^2/NDF:7053296.9/41

All: 49.044+/-0.006 χ^2/NDF: 11936027.5/79



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:19.2/21

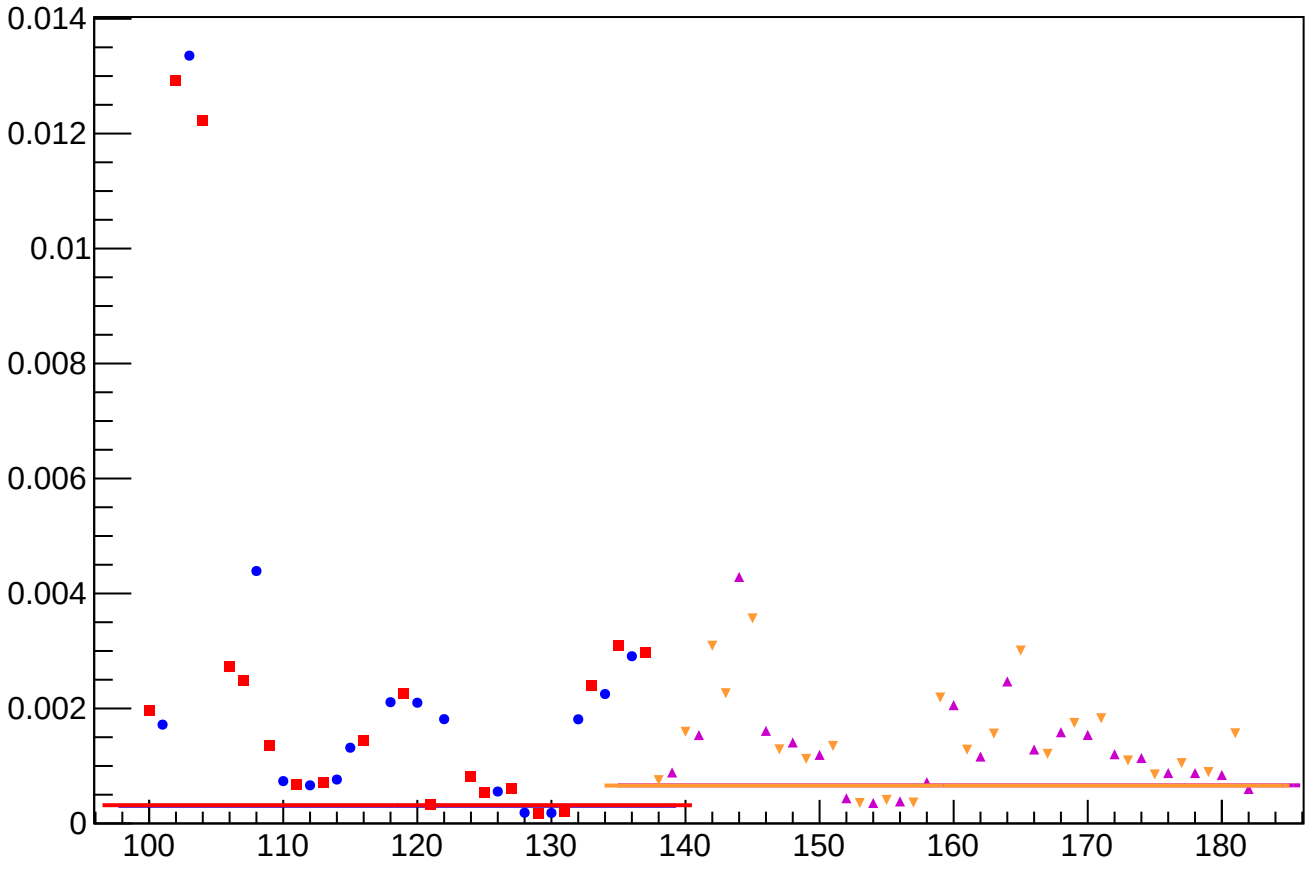
Left: 0.000+/-0.000 χ^2/NDF: 72.8/44

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:32.1/37

Out: 0.000+/-0.000 χ^2/NDF:66.0/41

All: 0.000+/-0.000 χ^2/NDF: 102.3/79



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:12065239.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9685841.8/21

Left: 0.001+/-0.000 χ^2/NDF: 21751471.3/44

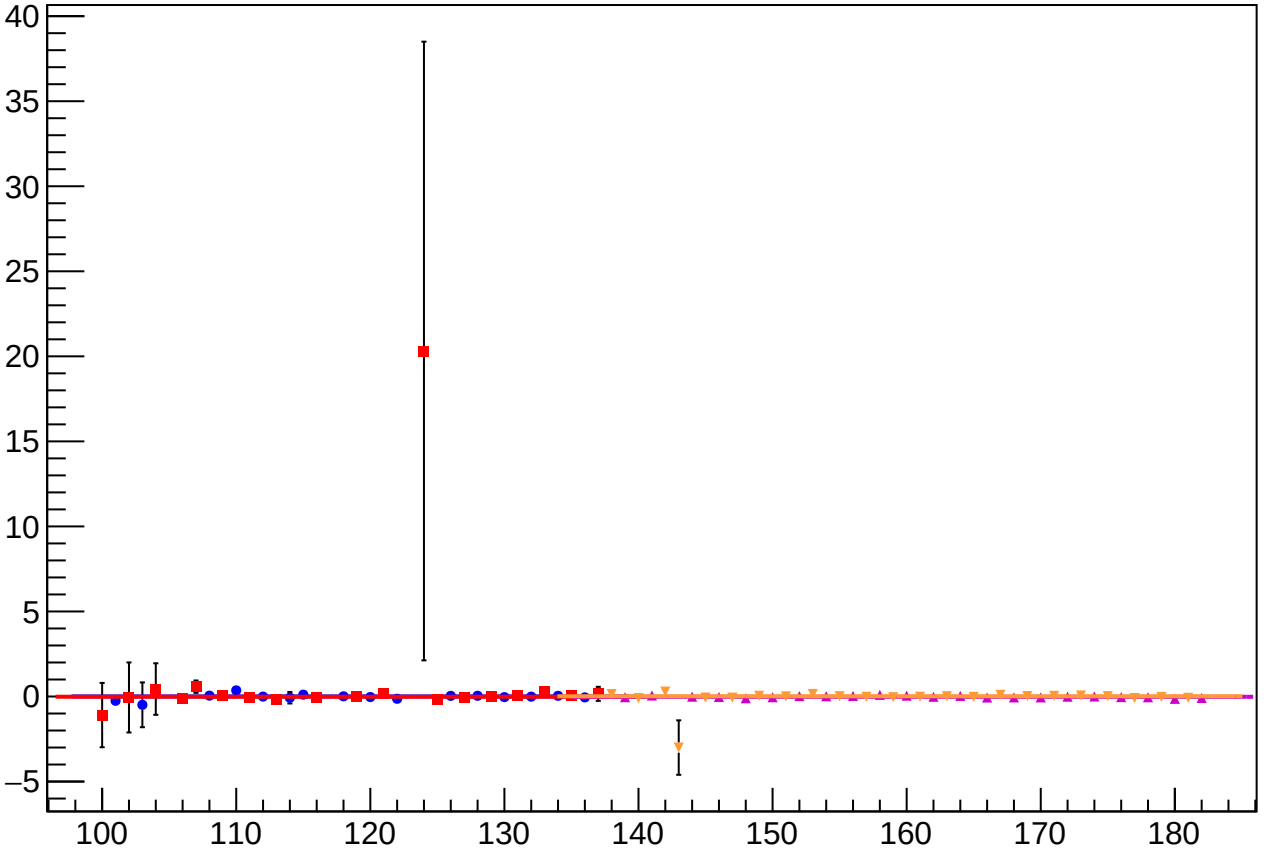
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:21851683.5/37

Out: 0.000+/-0.000 χ^2/NDF:23247259.2/41

All: 0.000+/-0.000 χ^2/NDF: 45098986.8/79

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: 0.014+/-0.013 χ^2/NDF:28.3/22

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.017+/-0.012 χ^2/NDF:19.3/21

Left: -0.002+/-0.009 χ^2/NDF: 50.6/44

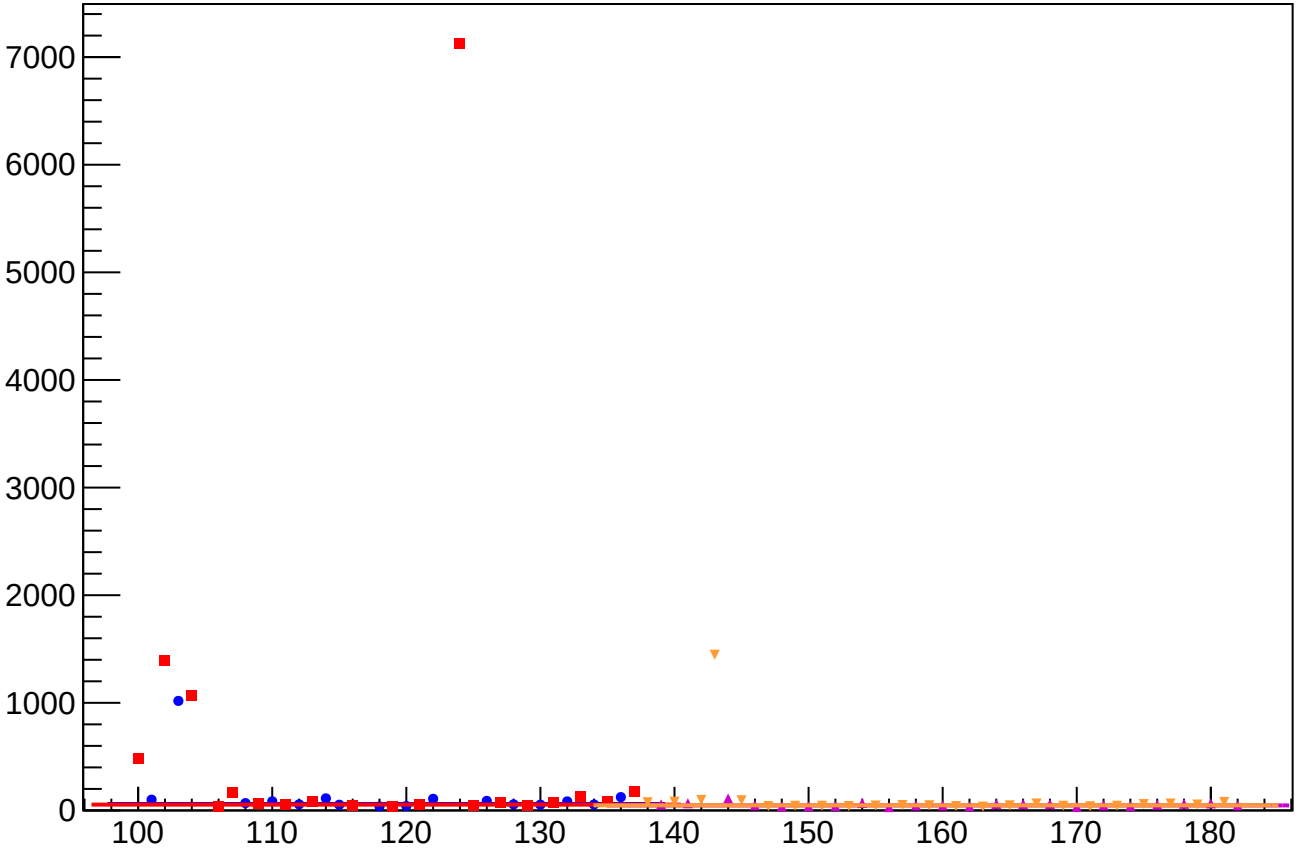
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.013+/-0.011 χ^2/NDF:31.1/37

Out: 0.009+/-0.011 χ^2/NDF:46.8/41

All: -0.002+/-0.008 χ^2/NDF: 79.8/79

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 47.758+/-0.009 χ^2/NDF:3430171.7/22

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.742+/-0.009 χ^2/NDF:1947831.8/21

Left: 47.231+/-0.006 χ^2/NDF: 5384523.8/44

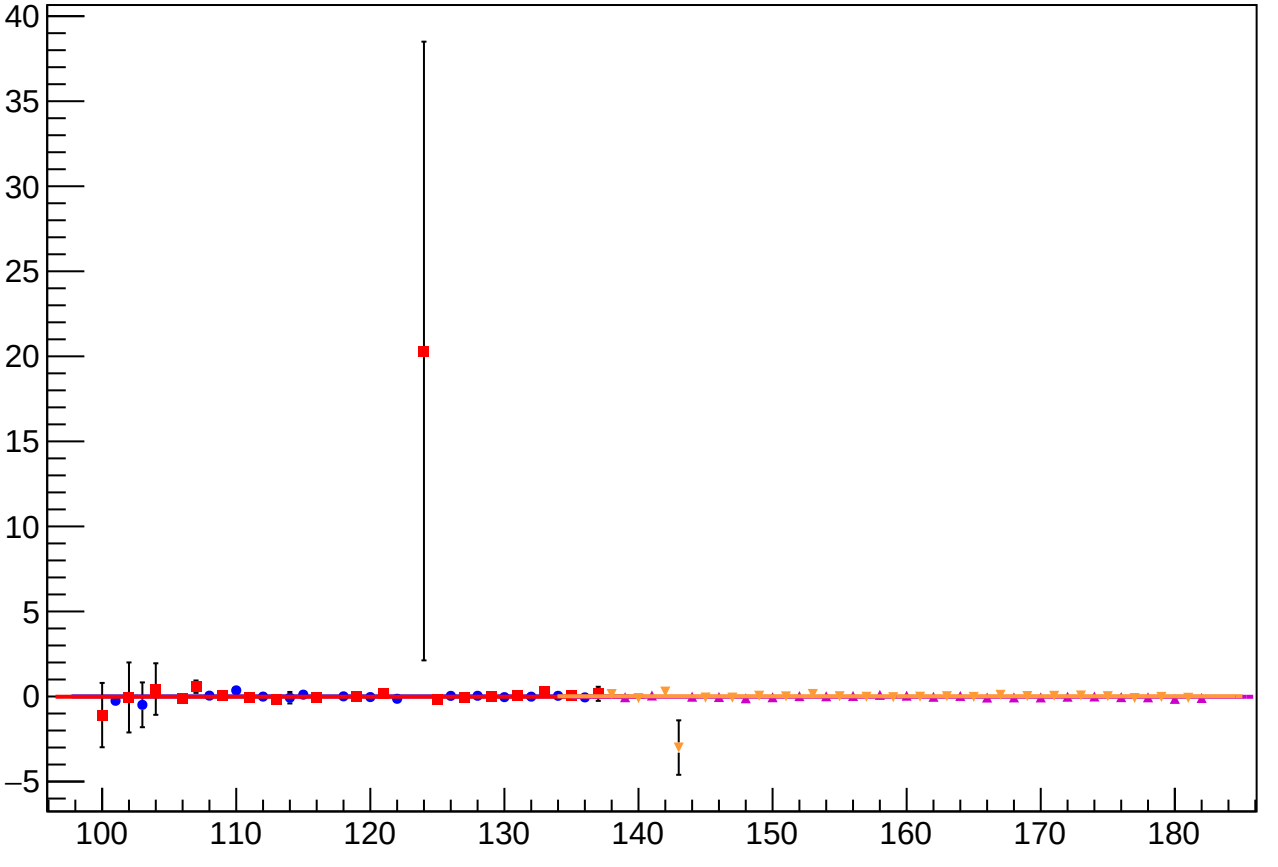
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.048+/-0.008 χ^2/NDF:4882728.8/37

Out: 49.039+/-0.008 χ^2/NDF:7053295.7/41

All: 49.044+/-0.006 χ^2/NDF: 11936025.1/79

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: 0.014+/-0.013 χ^2/NDF:28.3/22

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.017+/-0.012 χ^2/NDF:19.3/21

Left: -0.002+/-0.009 χ^2/NDF: 50.6/44

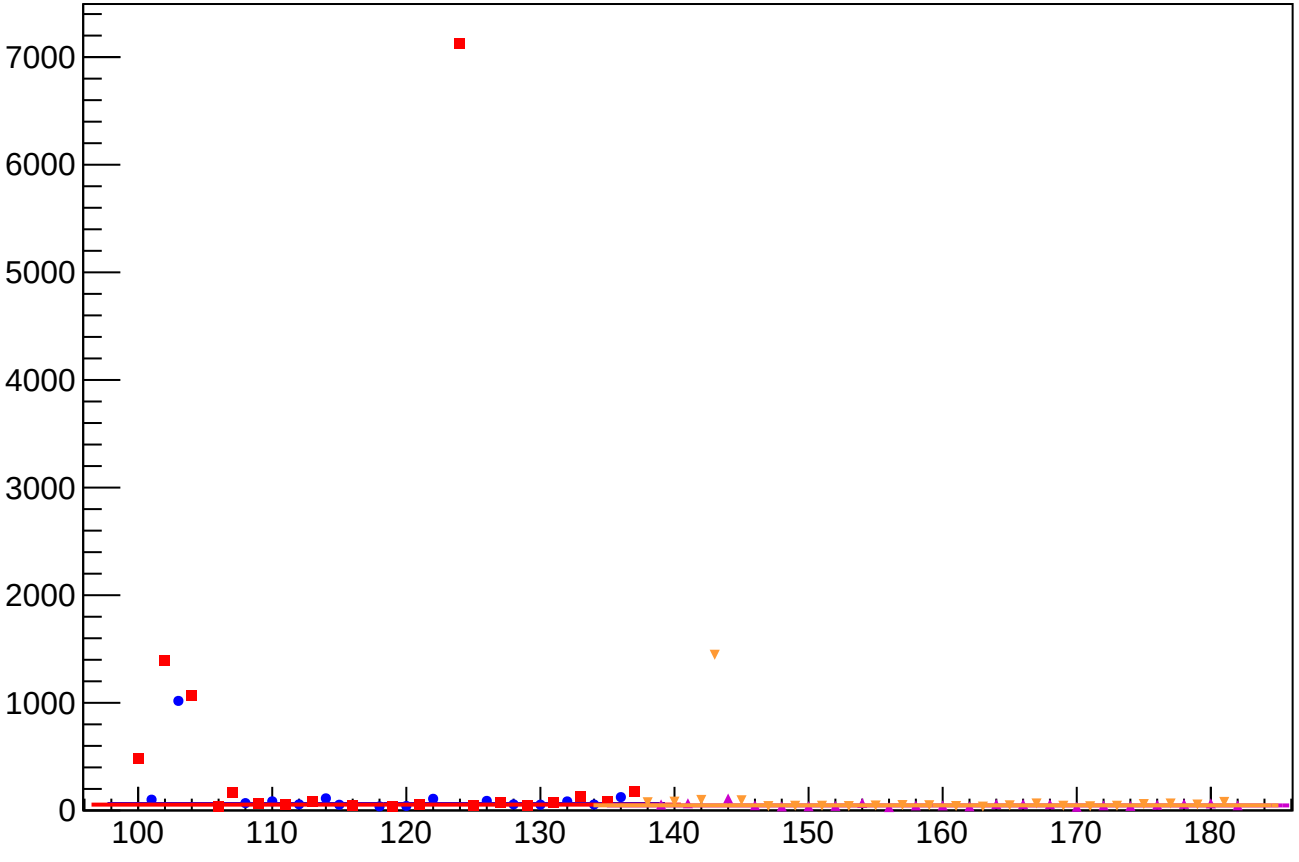
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.013+/-0.011 χ^2/NDF:31.1/37

Out: 0.009+/-0.011 χ^2/NDF:46.8/41

All: -0.002+/-0.008 χ^2/NDF: 79.8/79

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: 47.758+/-0.009 χ^2/NDF:3430171.7/22

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.742+/-0.009 χ^2/NDF:1947831.8/21

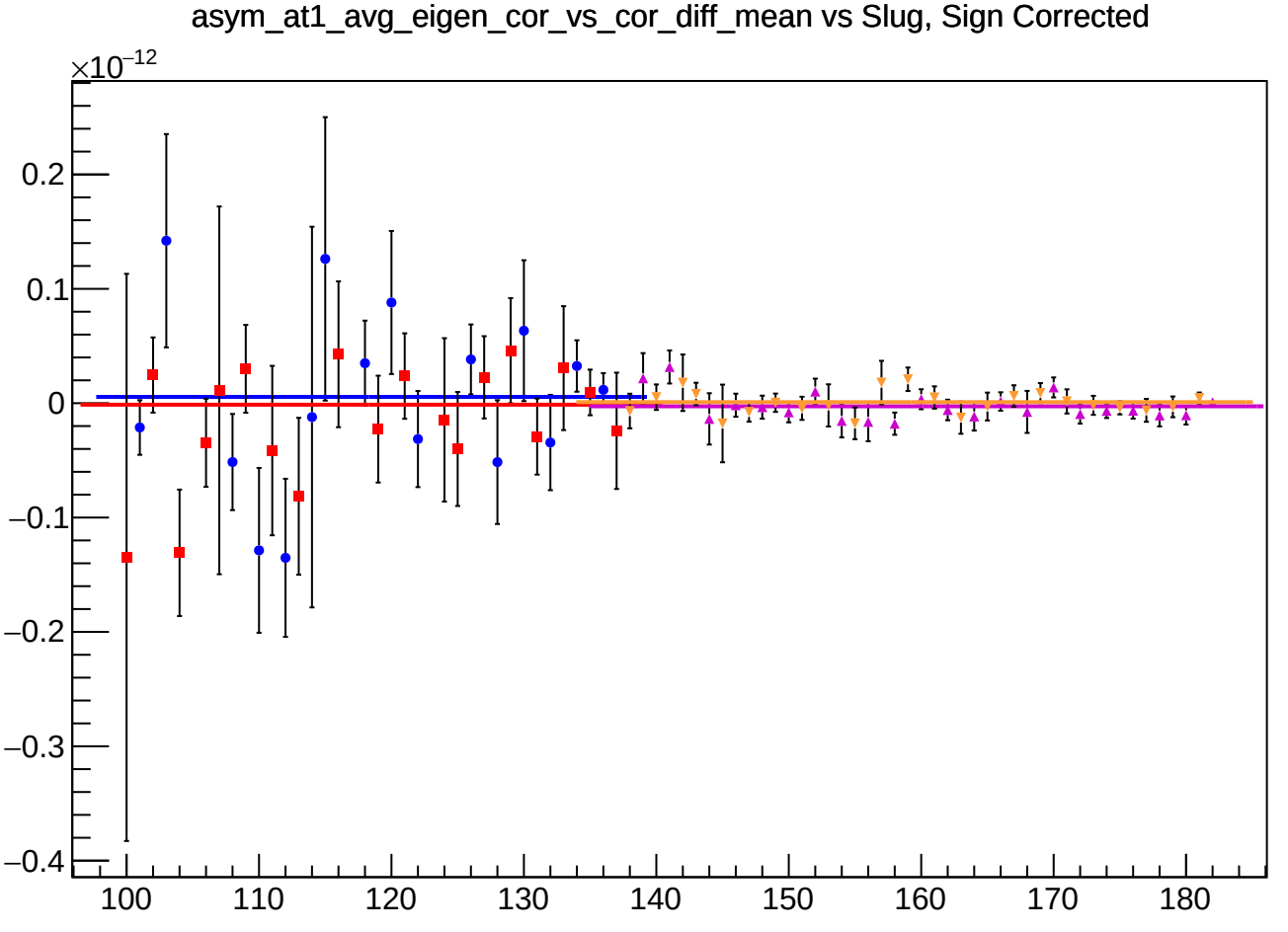
Left: 47.231+/-0.006 χ^2/NDF: 5384523.8/44

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.048+/-0.008 χ^2/NDF:4882728.8/37

Out: 49.039+/-0.008 χ^2/NDF:7053295.7/41

All: 49.044+/-0.006 χ^2/NDF: 11936025.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/22

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

Left In: -0.000+/-0.000 χ^2/NDF:21.7/21

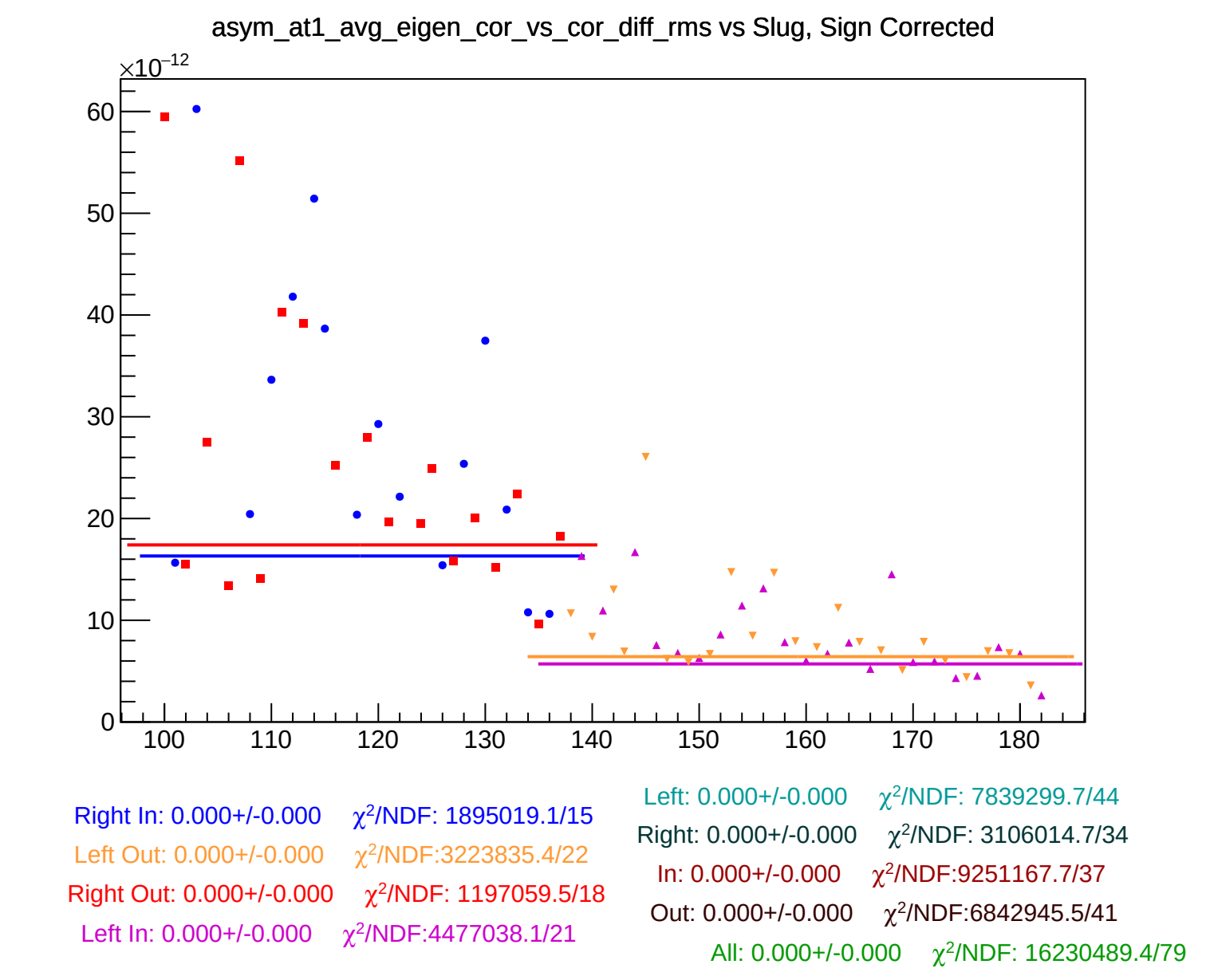
Left: -0.000+/-0.000 χ^2/NDF: 37.4/44

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

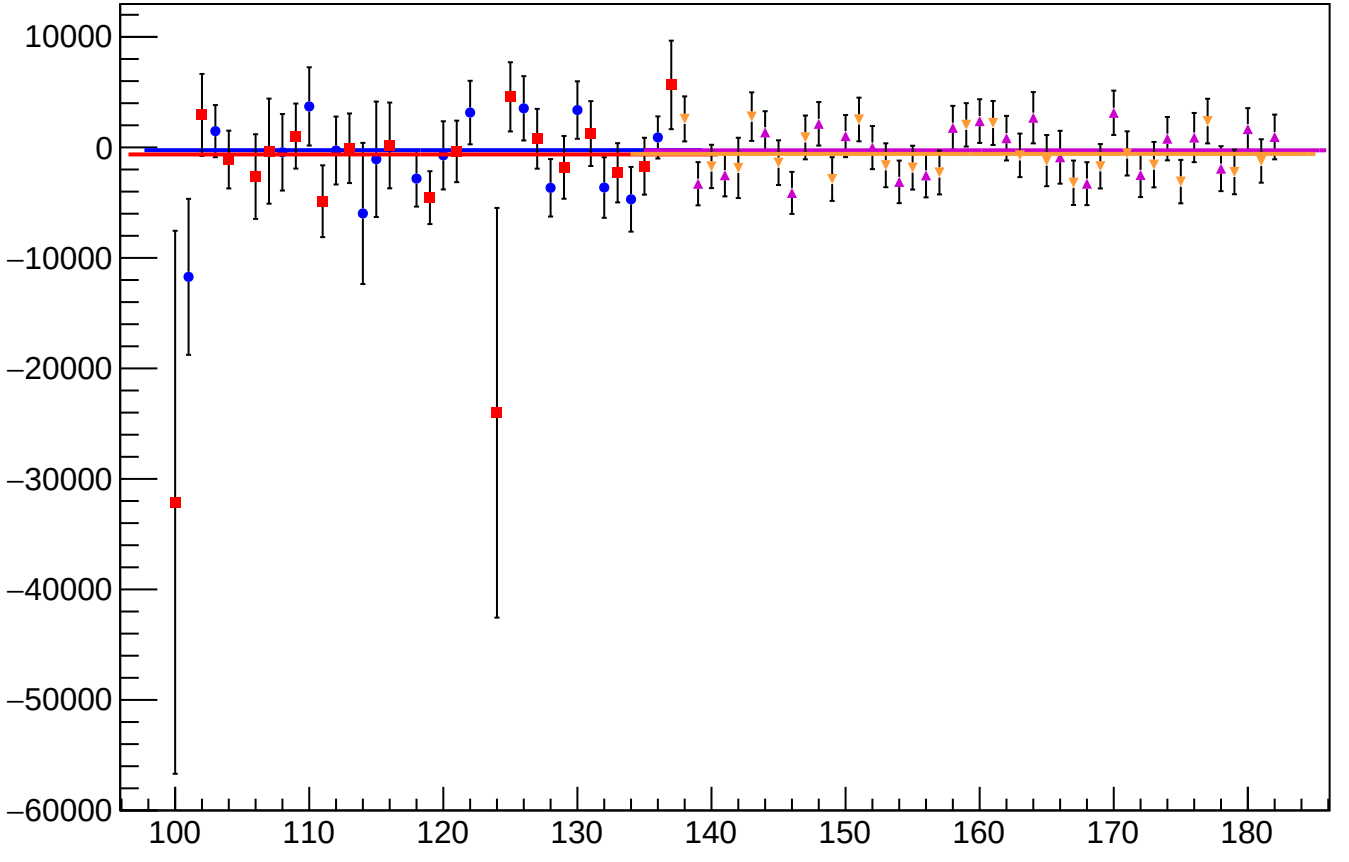
In: -0.000+/-0.000 χ^2/NDF:45.2/37

Out: 0.000+/-0.000 χ^2/NDF:28.2/41

All: -0.000+/-0.000 χ^2/NDF: 74.9/79


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3223835.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:4477038.1/21
Left: 0.000+/-0.000 χ²/NDF: 7839299.7/44
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:9251167.7/37
Out: 0.000+/-0.000 χ²/NDF:6842945.5/41
All: 0.000+/-0.000 χ²/NDF: 16230489.4/79

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -587.744+/-424.053 χ^2/NDF:21.9/22

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -264.566+/-426.224 χ^2/NDF:28.0/21

Left: -426.980+/-300.615 χ^2/NDF: 50.1/44

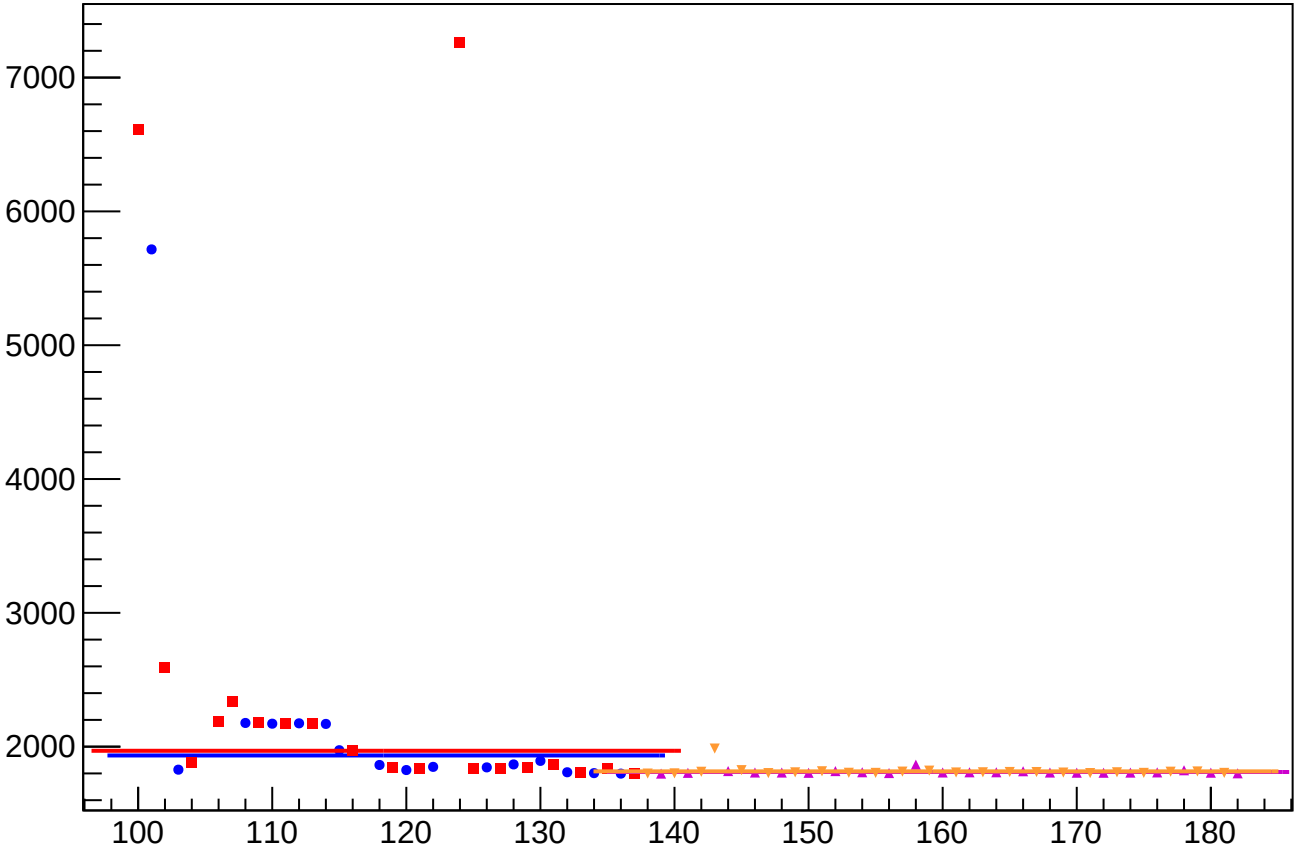
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -261.227+/-368.728 χ^2/NDF:45.3/37

Out: -599.804+/-367.365 χ^2/NDF:37.8/41

All: -431.142+/-260.247 χ^2/NDF: 83.4/79

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1815.370+/-0.300 χ^2/NDF:12925.5/22

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1810.627+/-0.301 χ^2/NDF:1948.0/21

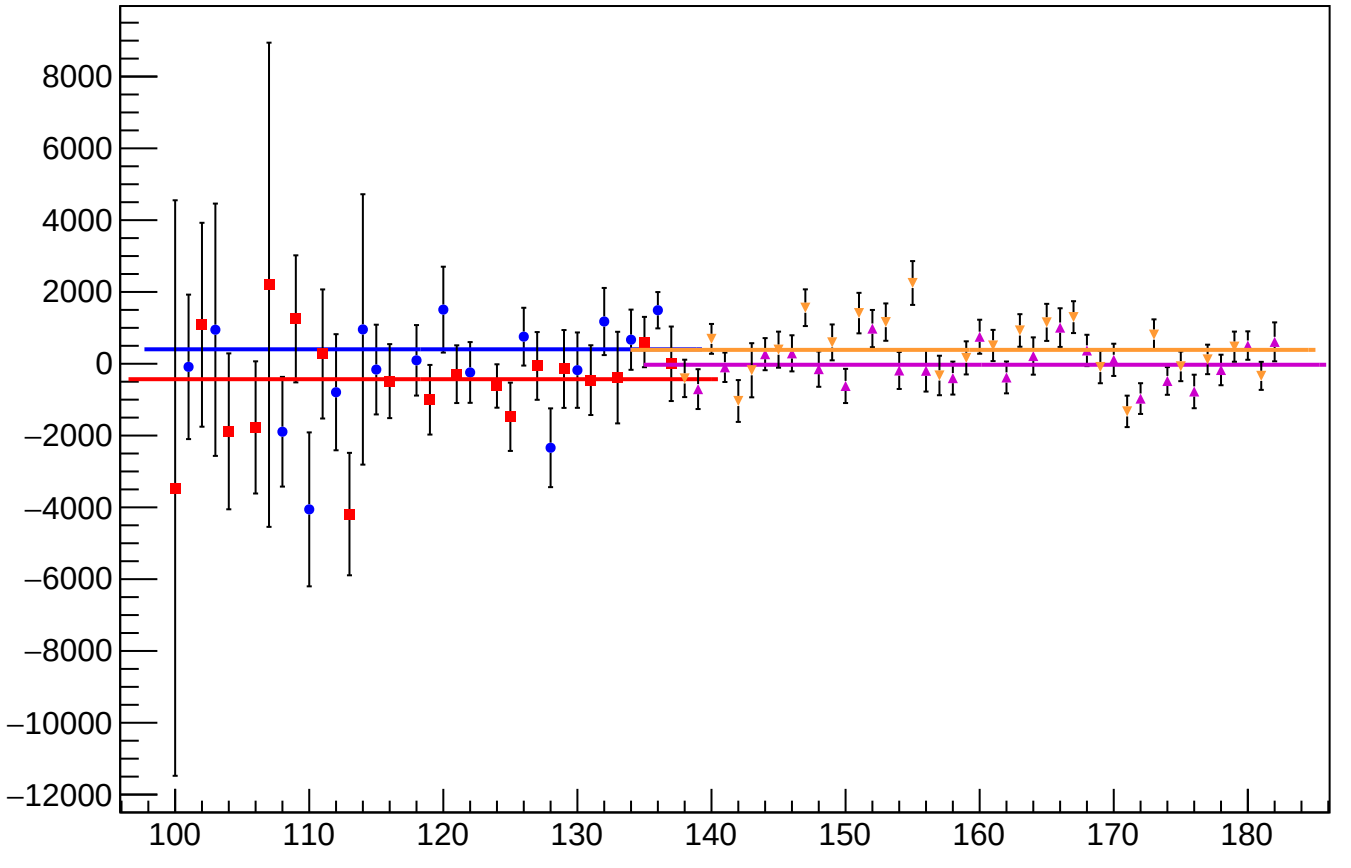
Left: 1813.010+/-0.213 χ^2/NDF: 14997.9/44

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1841.721+/-0.261 χ^2/NDF:684176.2/37

Out: 1853.750+/-0.260 χ^2/NDF:456972.4/41

All: 1847.758+/-0.184 χ^2/NDF: 1142216.8/79



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 386.770+/-98.970 χ^2/NDF:62.0/22

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -28.020+/-99.574 χ^2/NDF:28.8/21

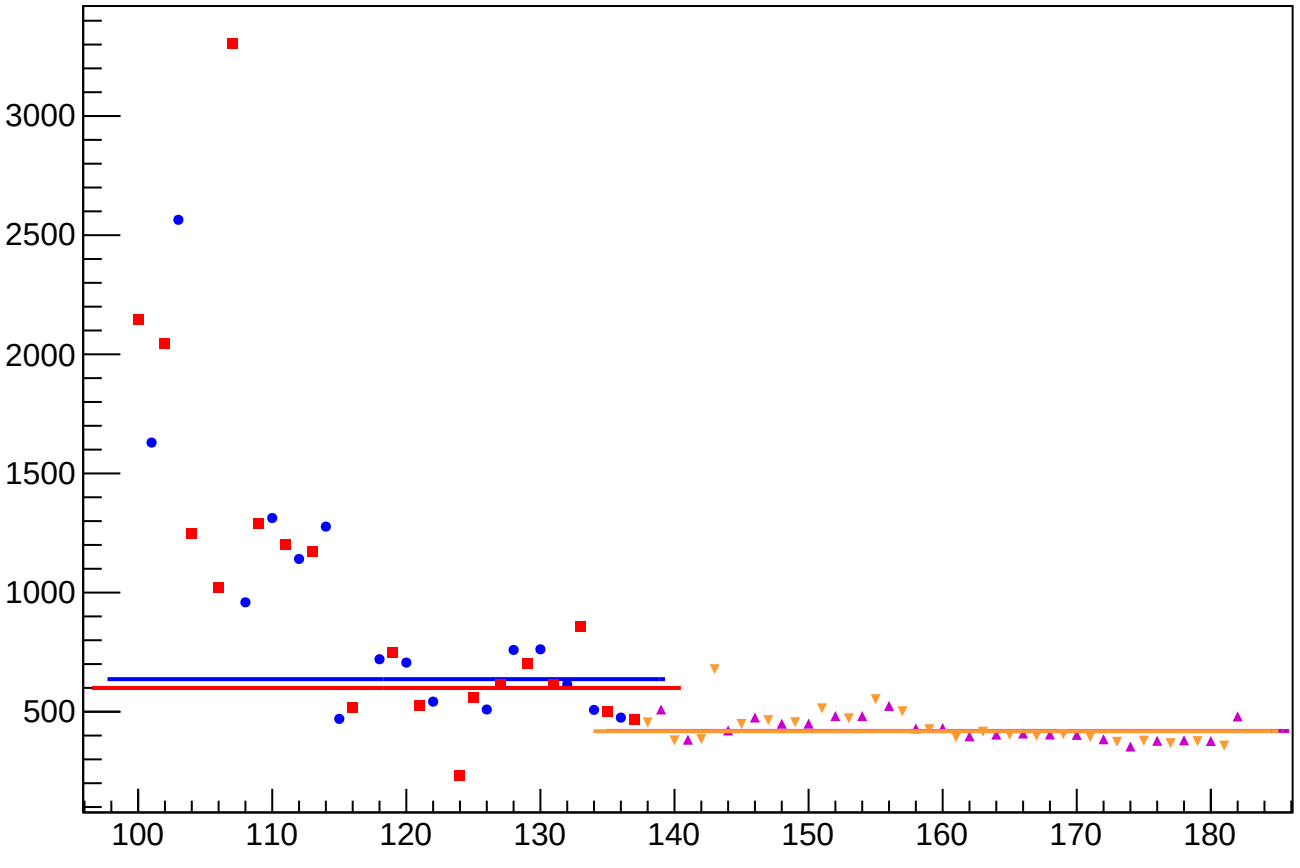
Left: 180.637+/-70.195 χ^2/NDF: 99.6/44

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 27.595+/-92.922 χ^2/NDF:52.4/37

Out: 278.231+/-92.160 χ^2/NDF:82.8/41

All: 153.945+/-65.435 χ^2/NDF: 138.9/79



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 418.161+/-0.070 χ^2/NDF:687639.2/22

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 419.343+/-0.070 χ^2/NDF:400107.8/21

Left: 418.748+/-0.050 χ^2/NDF: 1087888.8/44

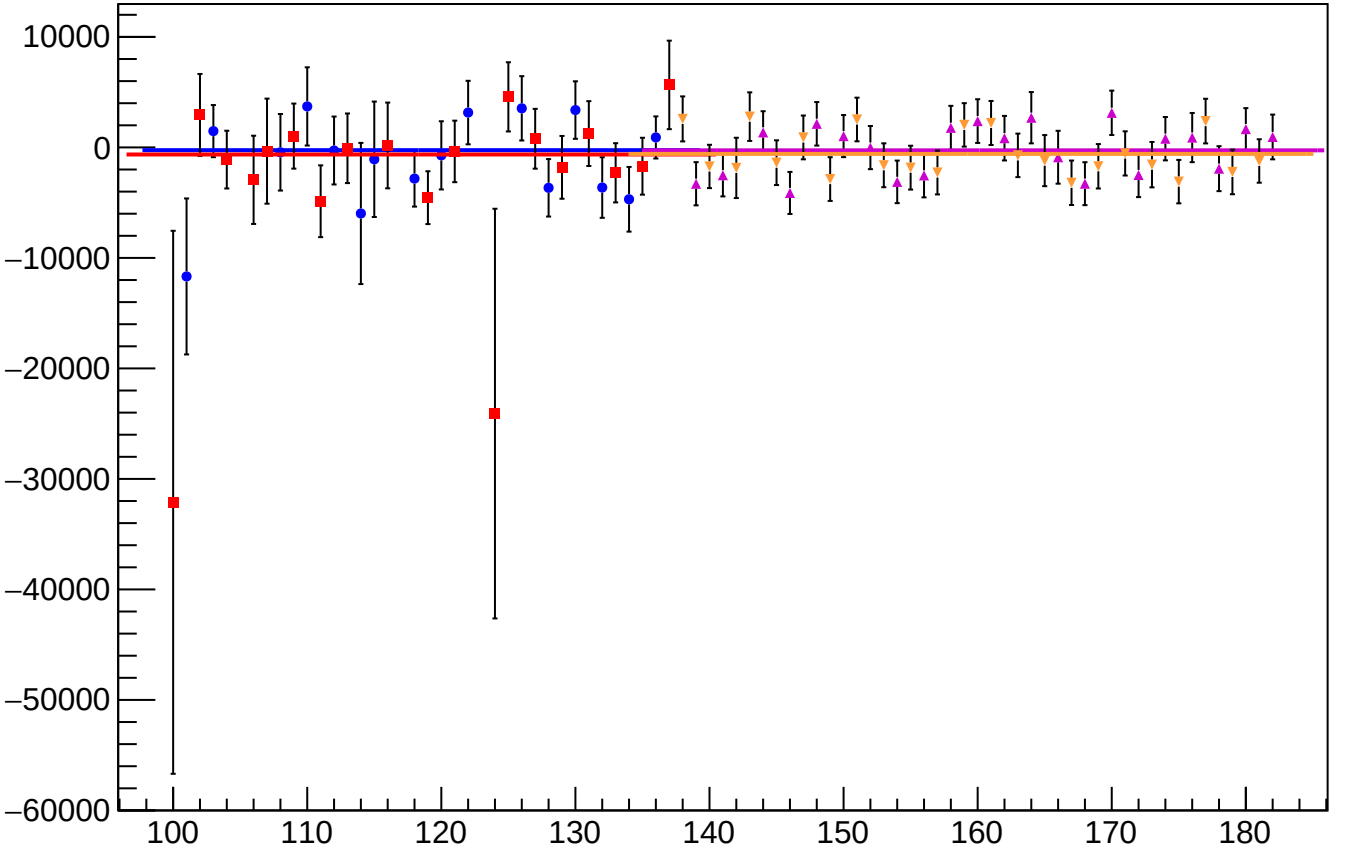
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 447.413+/-0.066 χ^2/NDF:3697703.6/37

Out: 442.274+/-0.065 χ^2/NDF:4525226.4/41

All: 444.822+/-0.046 χ^2/NDF: 8226013.9/79

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -587.754+/-424.053 χ^2/NDF:21.8/22

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -264.595+/-426.224 χ^2/NDF:28.0/21

Left: -427.000+/-300.615 χ^2/NDF: 50.1/44

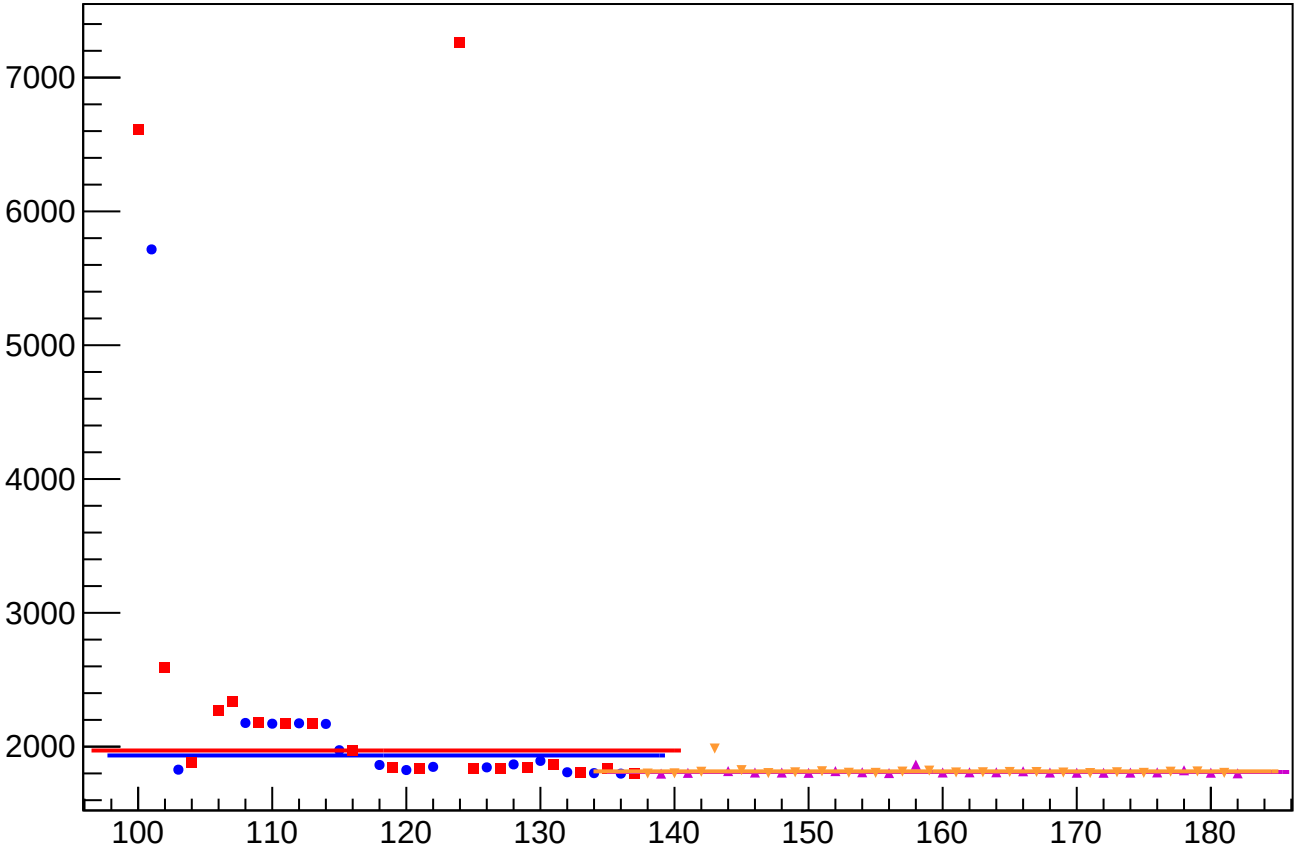
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -261.045+/-368.728 χ^2/NDF:45.2/37

Out: -600.976+/-367.498 χ^2/NDF:37.8/41

All: -431.578+/-260.294 χ^2/NDF: 83.5/79

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.370+/-0.300 χ^2/NDF:12925.5/22

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1810.627+/-0.301 χ^2/NDF:1948.0/21

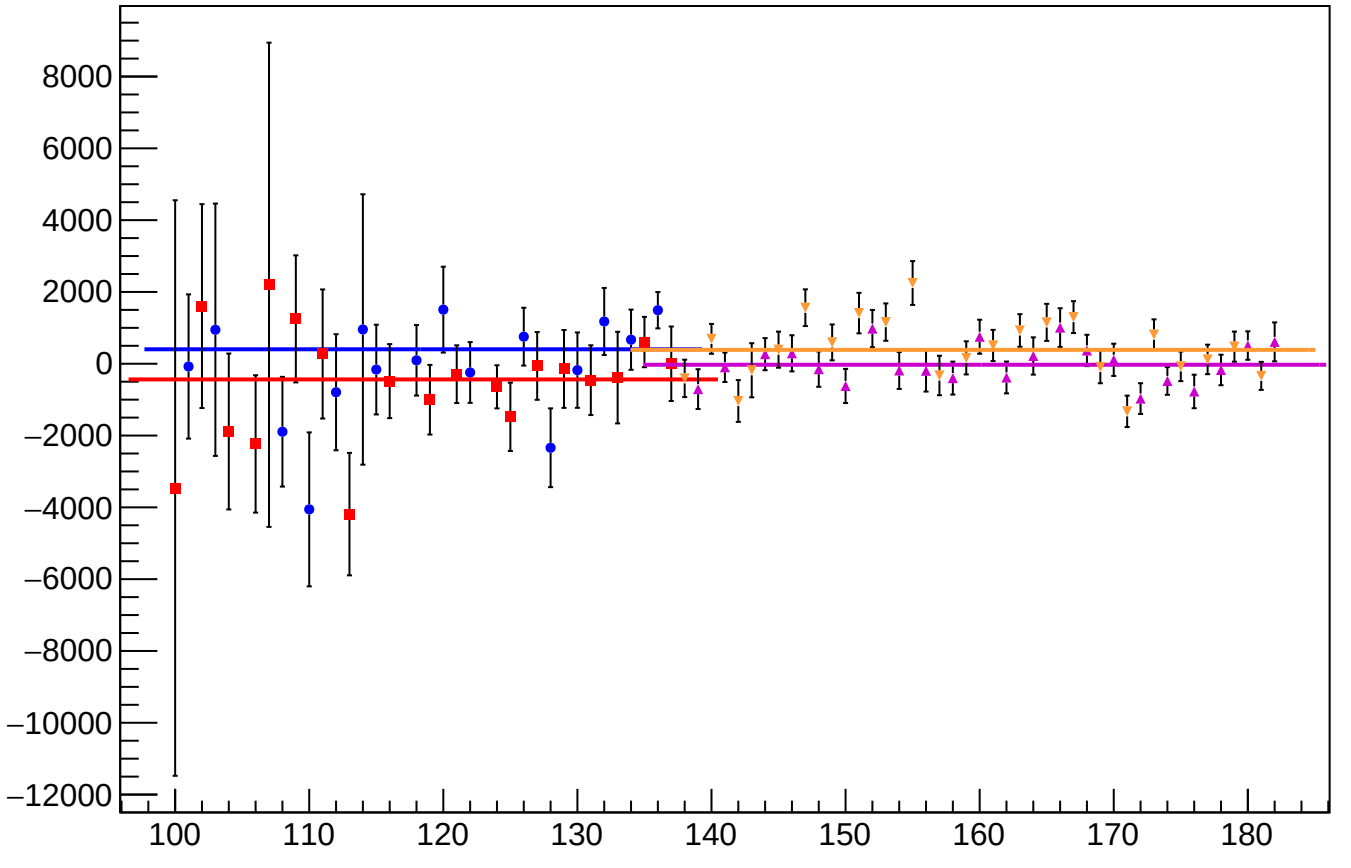
Left: 1813.010+/-0.213 χ^2/NDF: 14997.9/44

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1841.722+/-0.261 χ^2/NDF:684176.1/37

Out: 1854.202+/-0.260 χ^2/NDF:463473.5/41

All: 1847.983+/-0.184 χ^2/NDF: 1148799.2/79



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 386.758+/-98.970 χ^2/NDF:62.0/22

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -28.026+/-99.573 χ^2/NDF:28.8/21

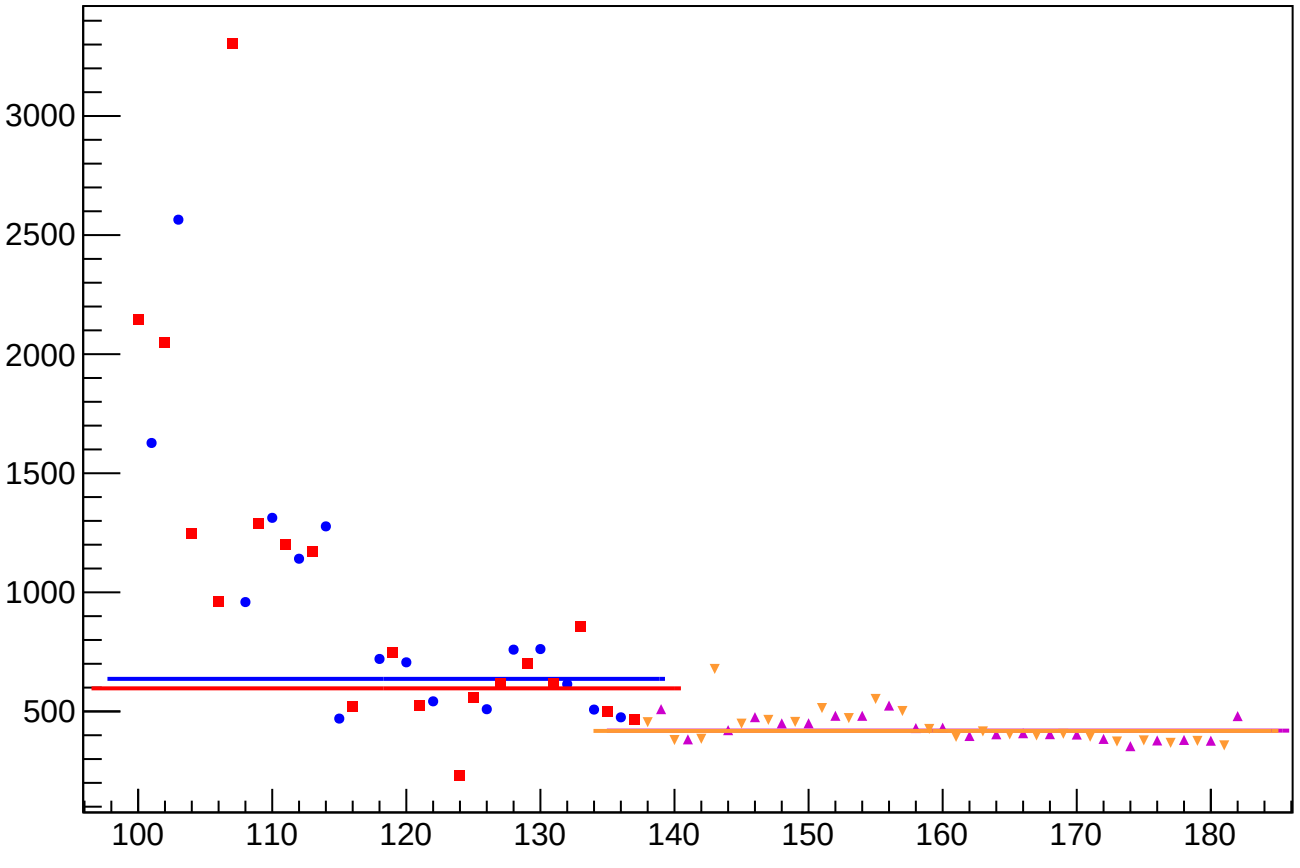
Left: 180.625+/-70.195 χ^2/NDF: 99.6/44

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 27.602+/-92.921 χ^2/NDF:52.4/37

Out: 277.226+/-92.153 χ^2/NDF:83.6/41

All: 153.449+/-65.432 χ^2/NDF: 139.6/79



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 418.163+/-0.070 χ^2/NDF:687552.8/22

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 419.339+/-0.070 χ^2/NDF:400131.0/21

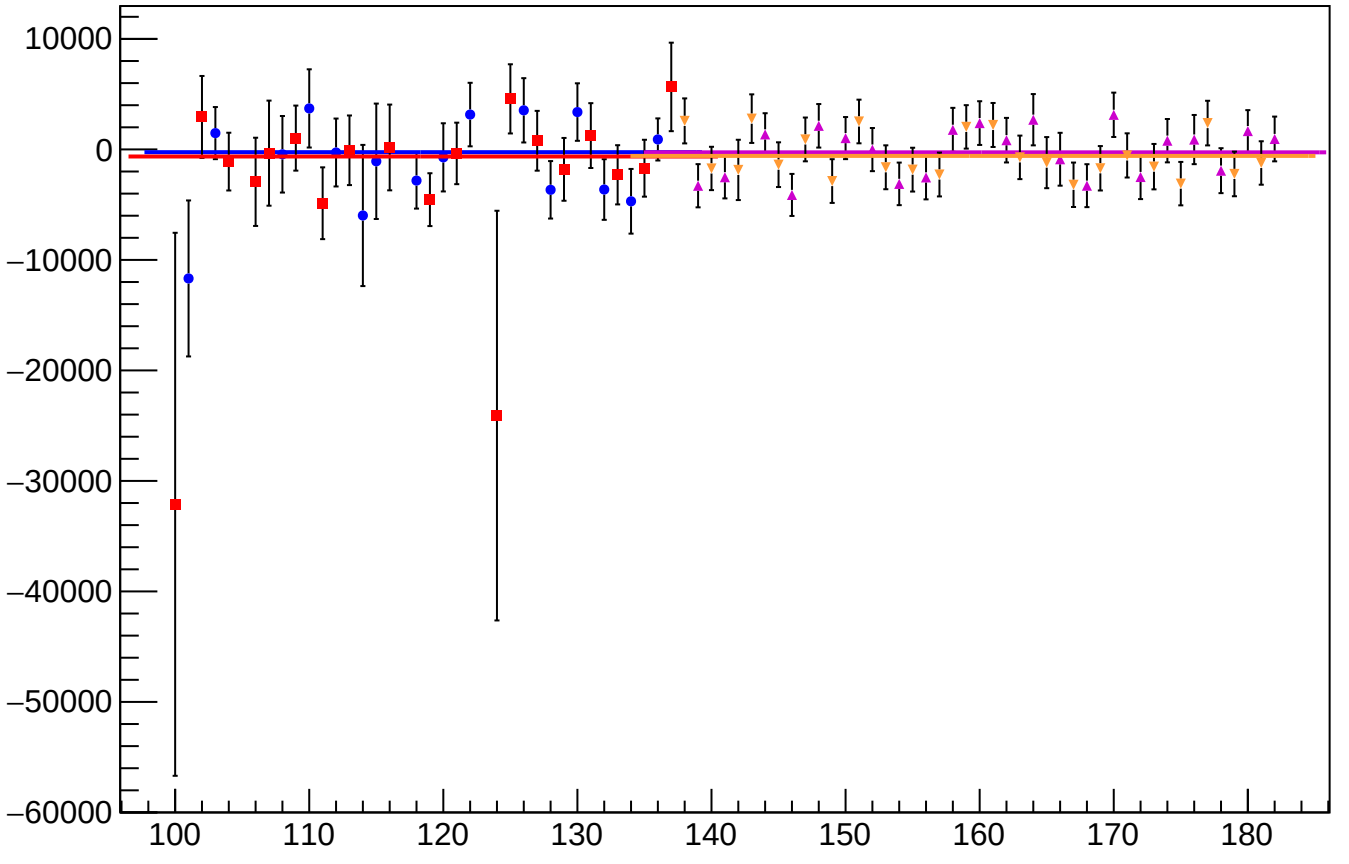
Left: 418.747+/-0.050 χ^2/NDF: 1087824.0/44

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 447.410+/-0.066 χ^2/NDF:3696978.3/37

Out: 441.933+/-0.065 χ^2/NDF:4485293.9/41

All: 444.649+/-0.046 χ^2/NDF: 8185775.7/79



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -587.754+/-424.053 χ^2/NDF:21.8/22

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -264.595+/-426.224 χ^2/NDF:28.0/21

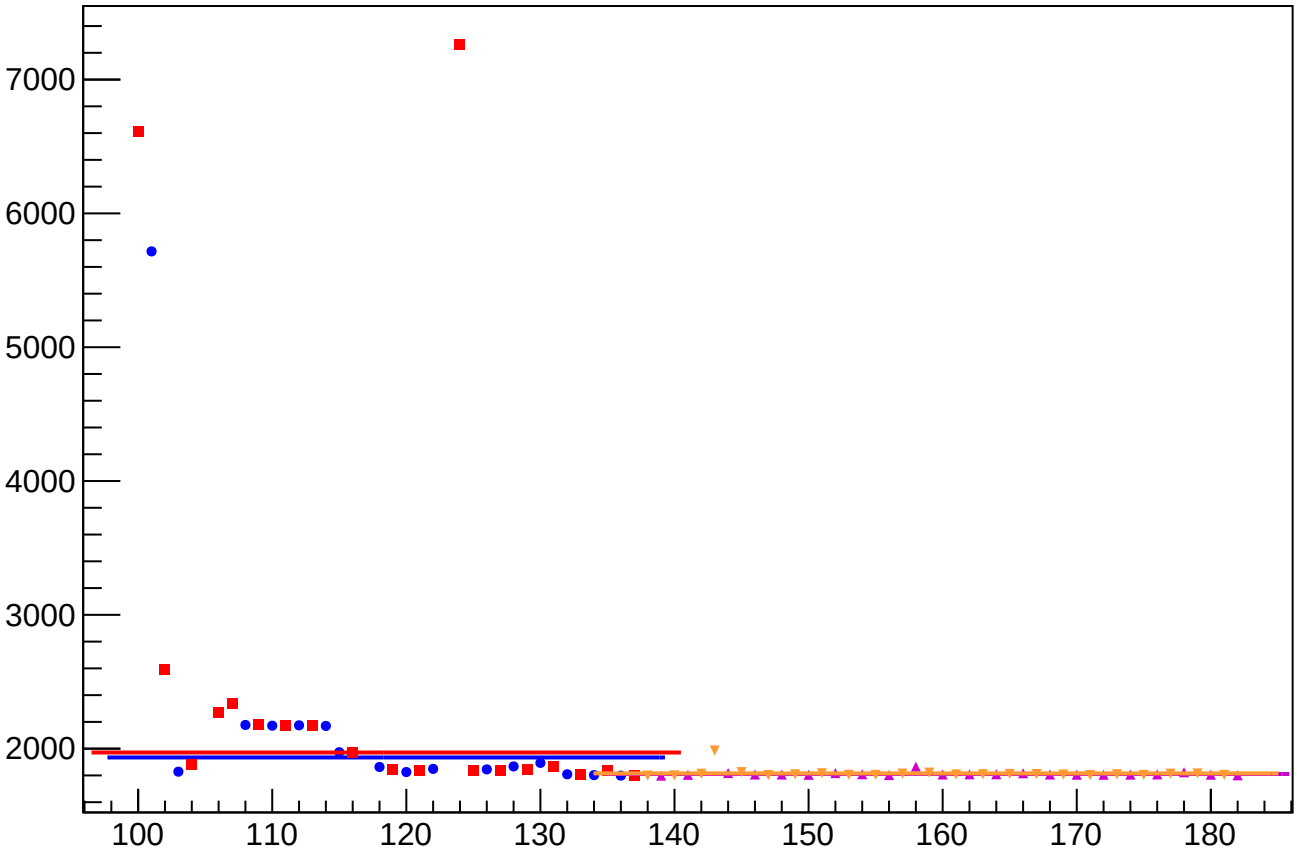
Left: -427.000+/-300.615 χ^2/NDF: 50.1/44

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -261.045+/-368.728 χ^2/NDF:45.2/37

Out: -600.976+/-367.498 χ^2/NDF:37.8/41

All: -431.578+/-260.294 χ^2/NDF: 83.5/79



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.370+/-0.300 χ^2/NDF:12925.5/22

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1810.627+/-0.301 χ^2/NDF:1948.0/21

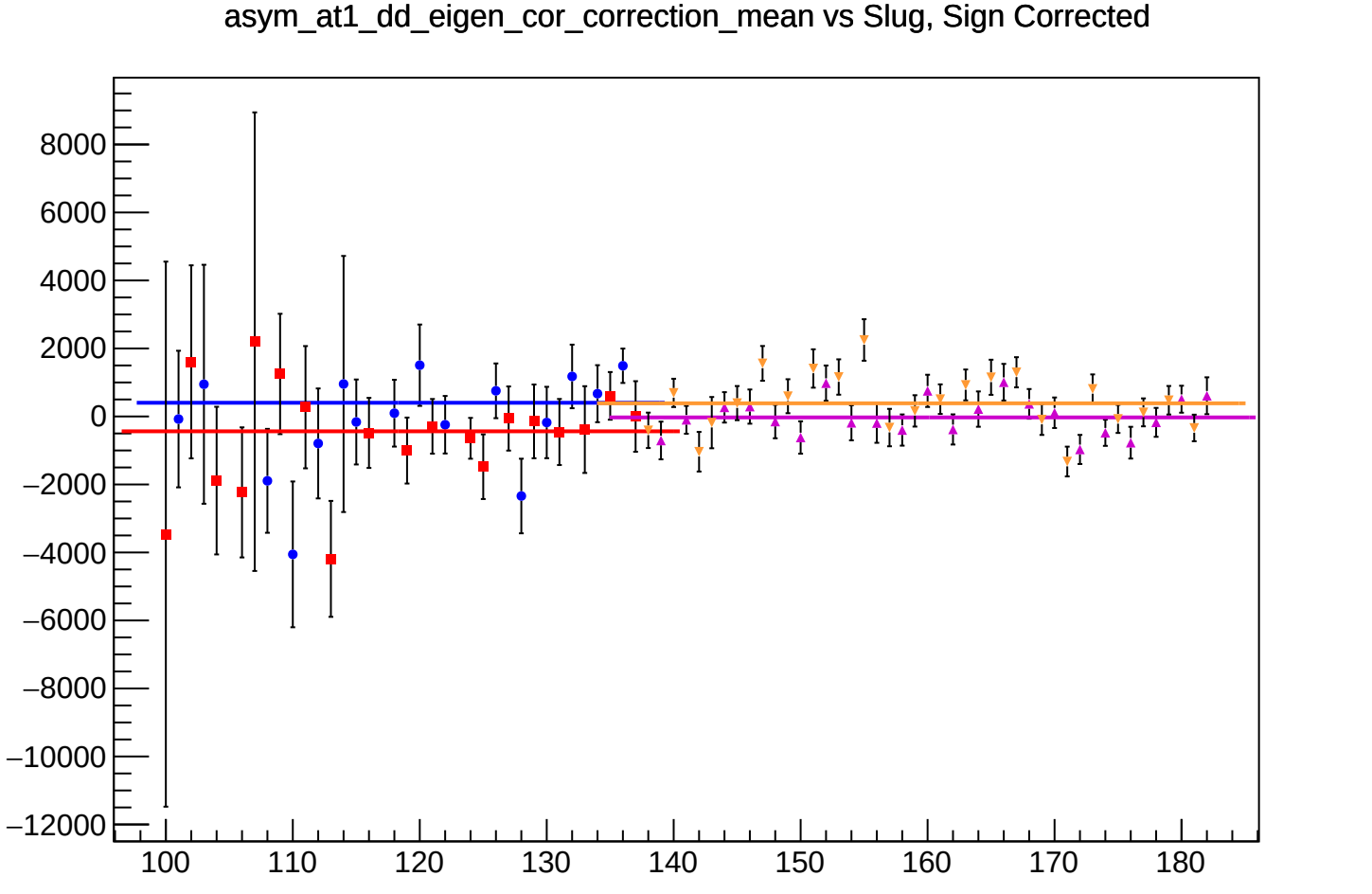
Left: 1813.010+/-0.213 χ^2/NDF: 14997.9/44

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1841.722+/-0.261 χ^2/NDF:684176.1/37

Out: 1854.202+/-0.260 χ^2/NDF:463473.5/41

All: 1847.983+/-0.184 χ^2/NDF: 1148799.2/79



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 386.758+/-98.970 χ^2/NDF:62.0/22

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -28.026+/-99.573 χ^2/NDF:28.8/21

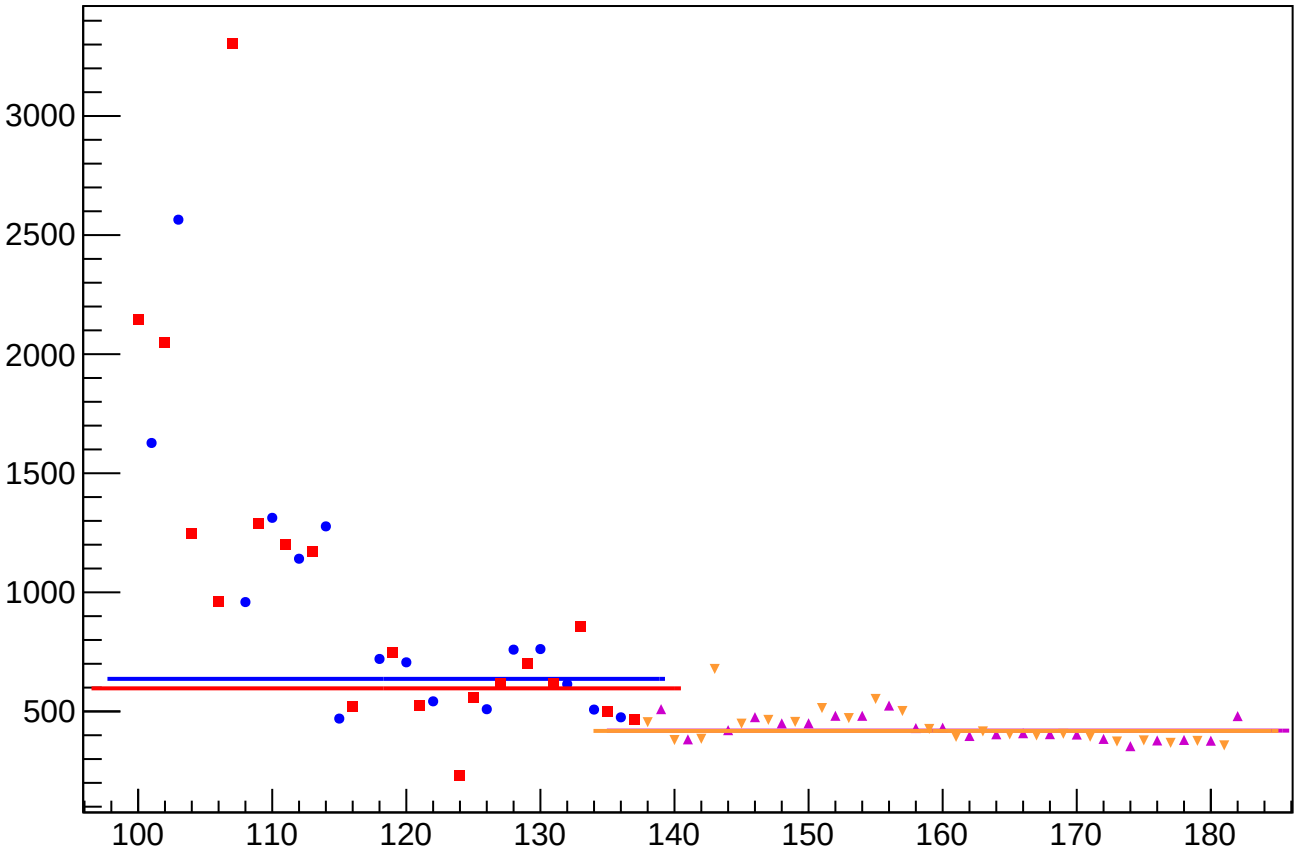
Left: 180.625+/-70.195 χ^2/NDF: 99.6/44

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 27.602+/-92.921 χ^2/NDF:52.4/37

Out: 277.226+/-92.153 χ^2/NDF:83.6/41

All: 153.449+/-65.432 χ^2/NDF: 139.6/79



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 418.163+/-0.070 χ^2/NDF:687552.8/22

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 419.339+/-0.070 χ^2/NDF:400131.0/21

Left: 418.747+/-0.050 χ^2/NDF: 1087824.0/44

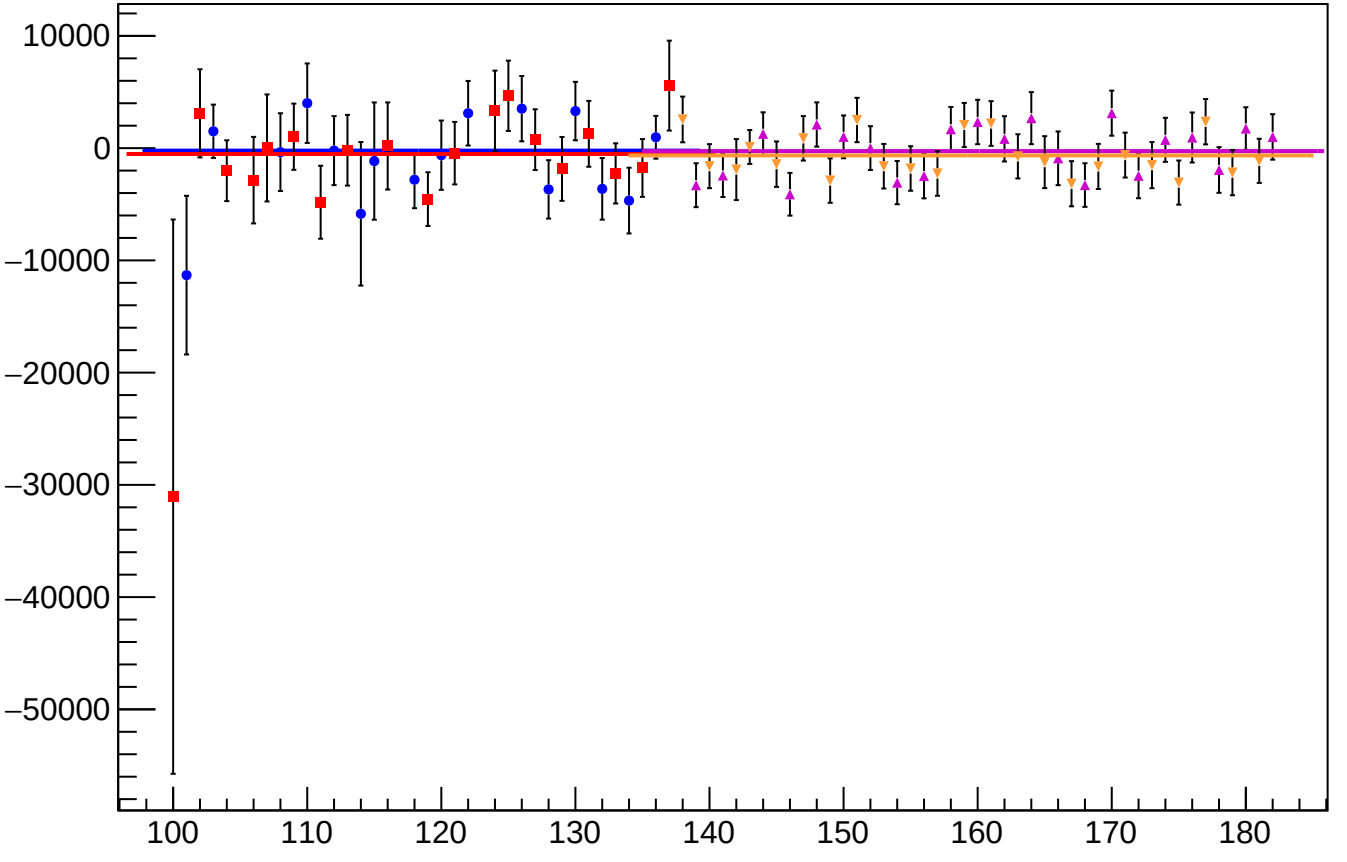
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 447.410+/-0.066 χ^2/NDF:3696978.3/37

Out: 441.933+/-0.065 χ^2/NDF:4485293.9/41

All: 444.649+/-0.046 χ^2/NDF: 8185775.7/79

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -649.060+/-415.579 χ^2/NDF:19.3/22

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -263.171+/-426.372 χ^2/NDF:27.6/21

Left: -461.062+/-297.601 χ^2/NDF: 47.3/44

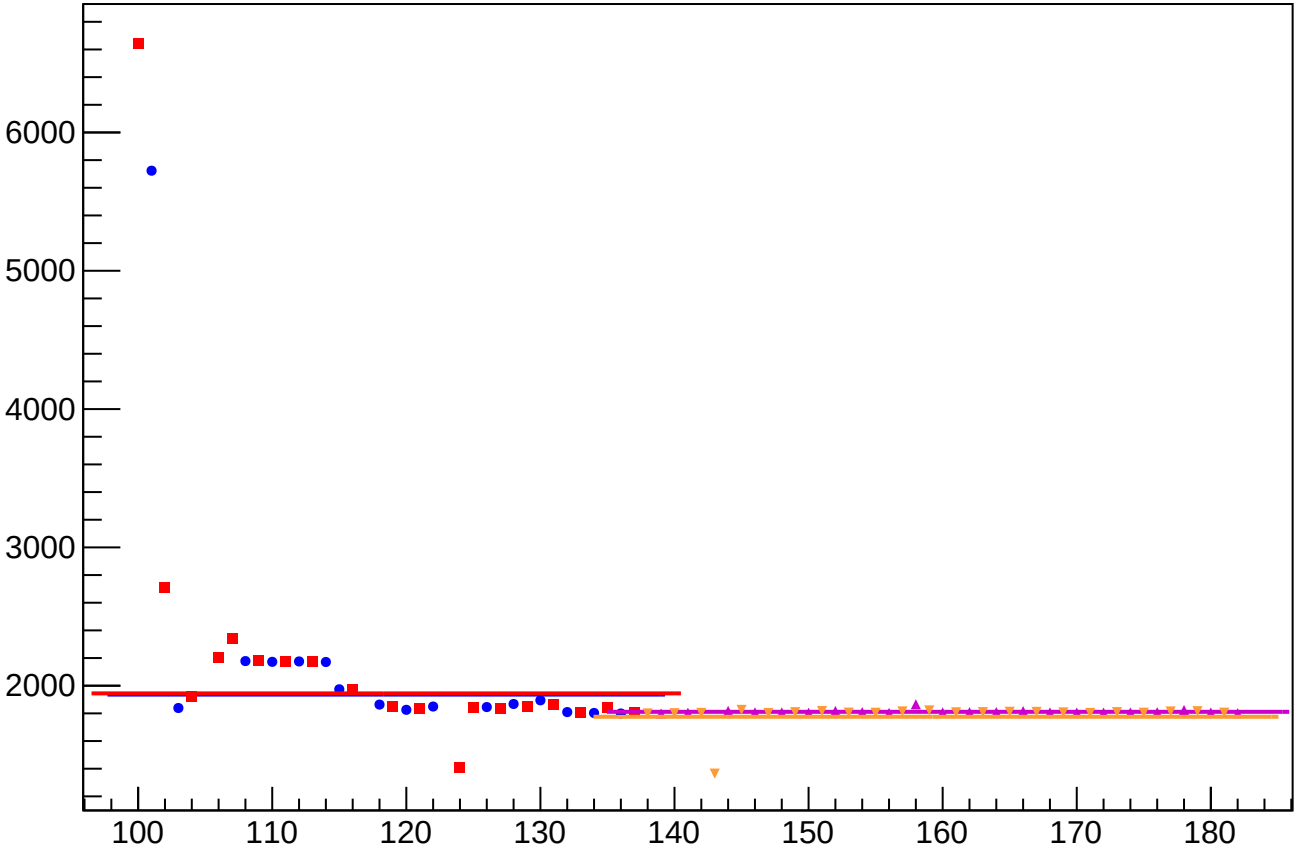
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -252.420+/-368.922 χ^2/NDF:44.7/37

Out: -617.206+/-360.544 χ^2/NDF:35.0/41

All: -439.002+/-257.854 χ^2/NDF: 80.1/79

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1775.471+/-0.294 χ^2/NDF:160953.2/22

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1811.256+/-0.301 χ^2/NDF:1945.3/21

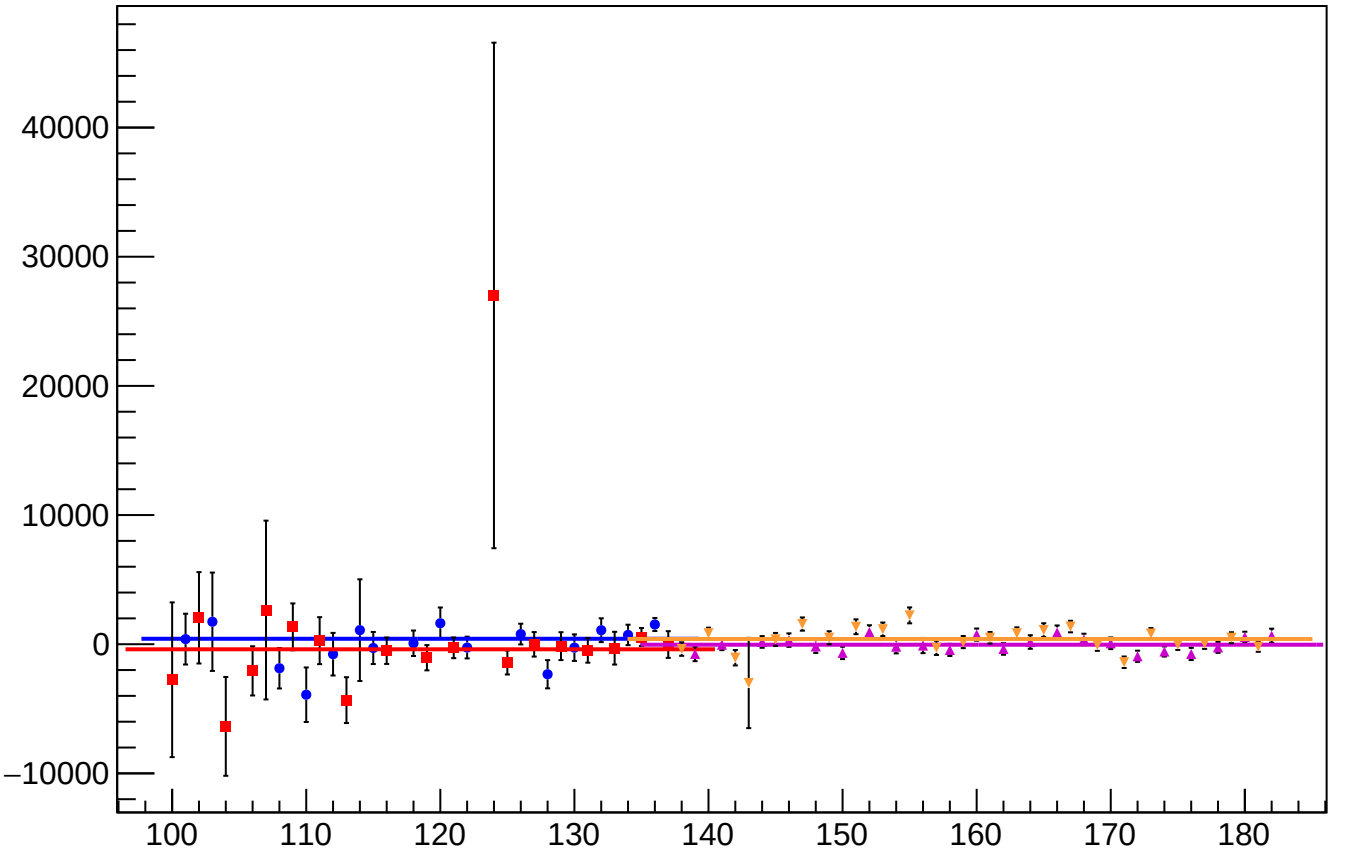
Left: 1792.905+/-0.210 χ^2/NDF: 170123.1/44

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1842.601+/-0.261 χ^2/NDF:684762.1/37

Out: 1817.275+/-0.255 χ^2/NDF:519001.4/41

All: 1829.647+/-0.182 χ^2/NDF: 1208584.7/79



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 404.387+/-101.135 χ^2/NDF:60.3/22

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -38.895+/-100.868 χ^2/NDF:28.3/21

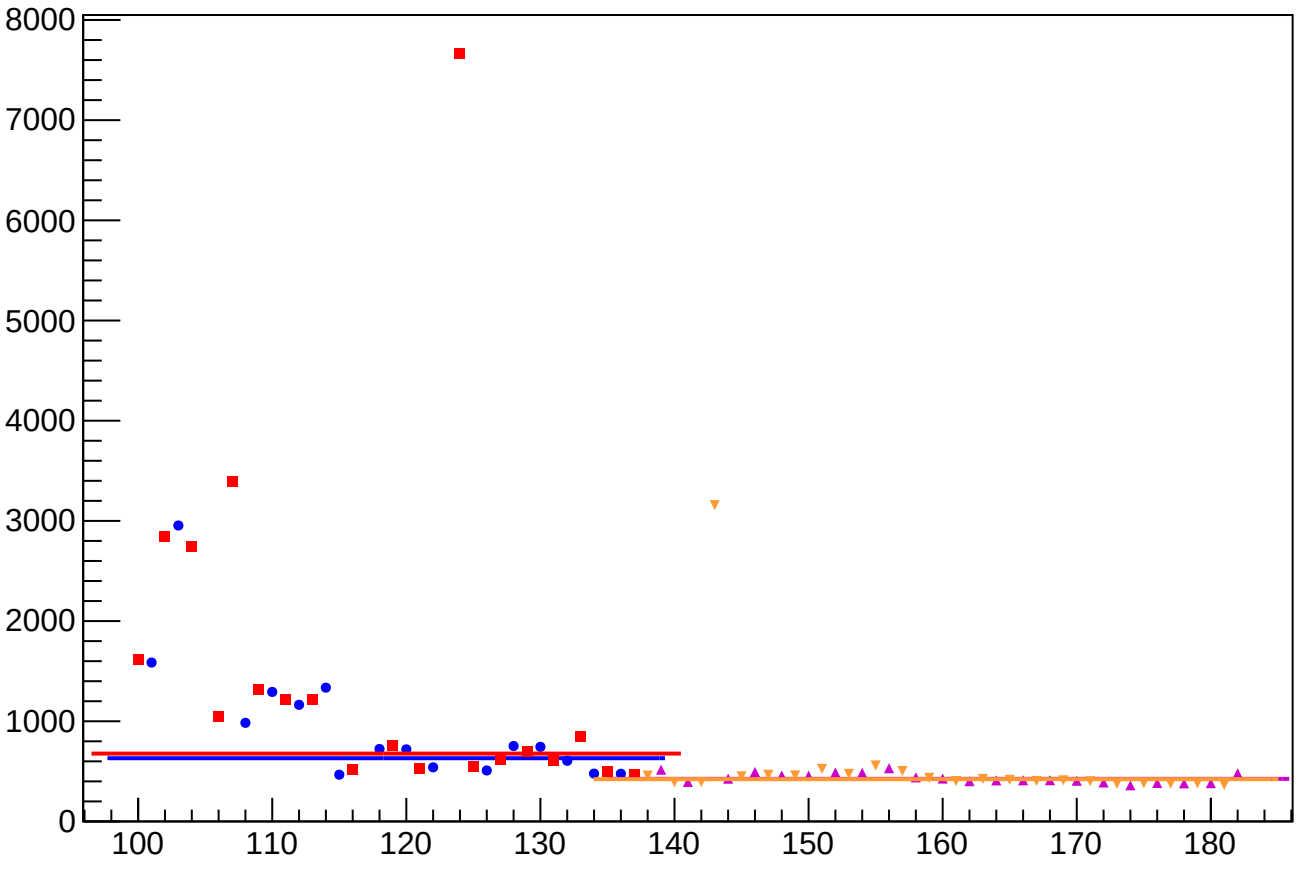
Left: 182.160+/-71.419 χ^2/NDF: 98.2/44

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 22.615+/-93.883 χ^2/NDF:52.6/37

Out: 312.039+/-95.104 χ^2/NDF:83.3/41

All: 165.458+/-66.813 χ^2/NDF: 140.6/79



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 422.054+/-0.072 χ^2/NDF:1650818.9/22

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 425.250+/-0.071 χ^2/NDF:402251.3/21

Left: 423.656+/-0.051 χ^2/NDF: 2054071.4/44

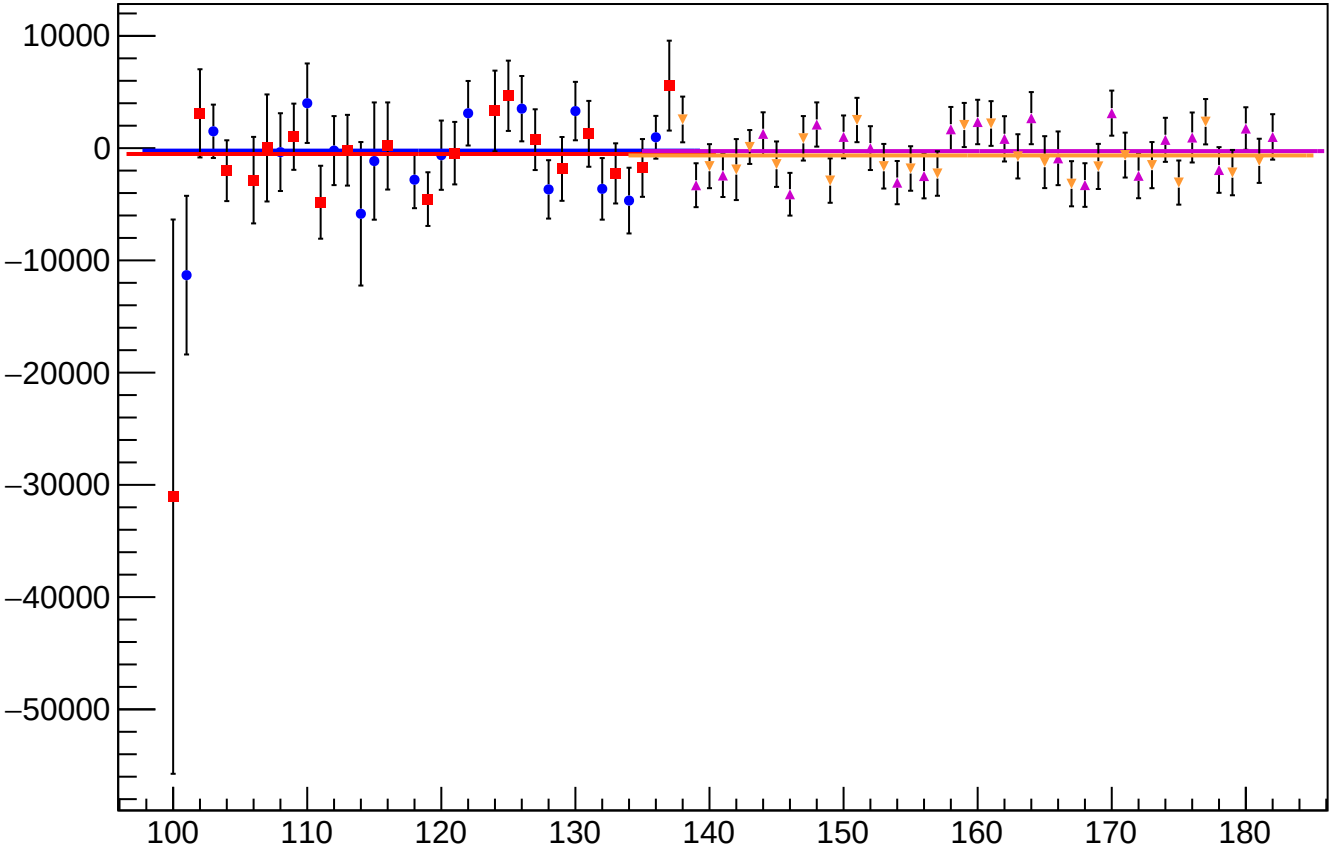
Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 452.779+/-0.066 χ^2/NDF:3750884.9/37

Out: 451.609+/-0.067 χ^2/NDF:6208245.2/41

All: 452.202+/-0.047 χ^2/NDF: 9959283.3/79

eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -649.061+/-415.579 χ^2/NDF:19.3/22

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -263.171+/-426.372 χ^2/NDF:27.6/21

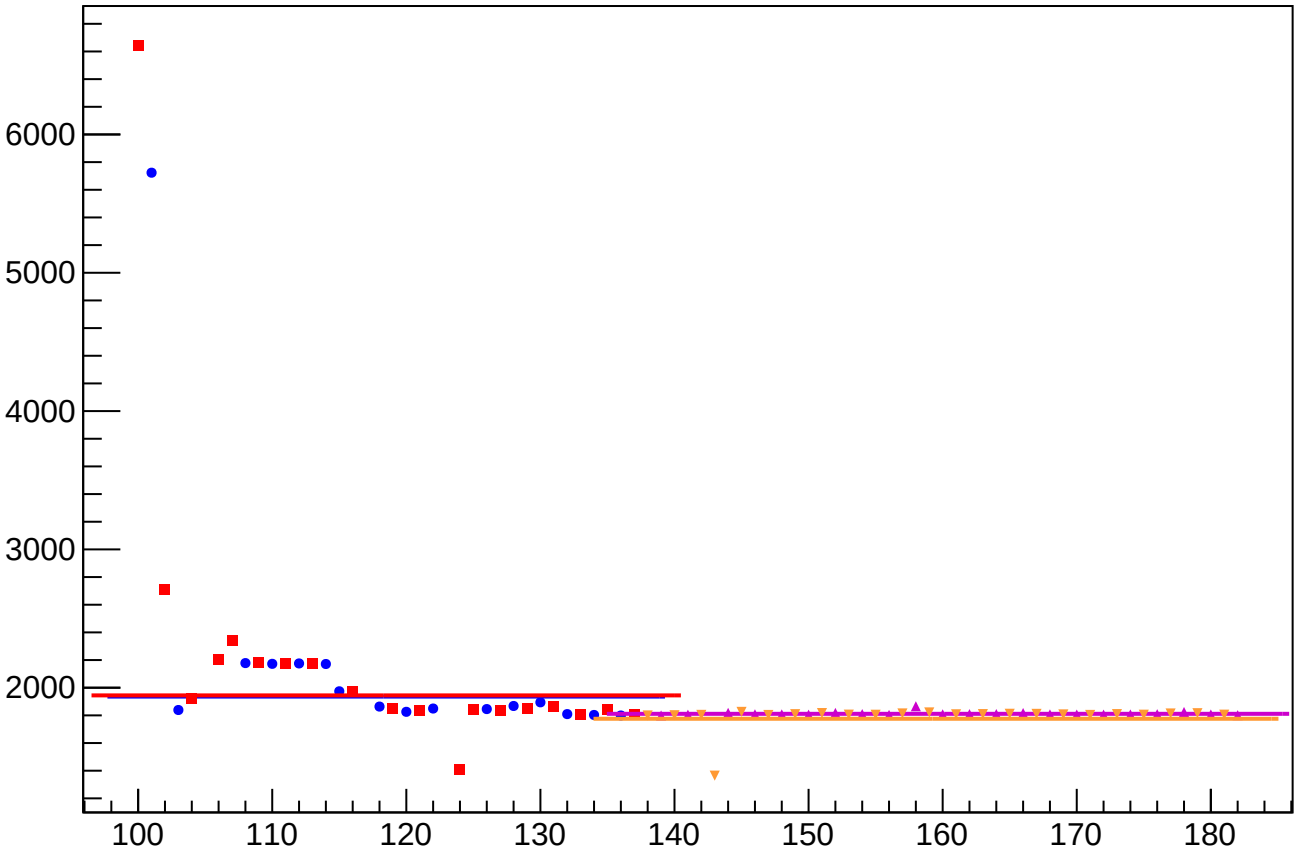
Left: -461.062+/-297.601 χ^2/NDF: 47.3/44

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -252.420+/-368.922 χ^2/NDF:44.7/37

Out: -617.207+/-360.544 χ^2/NDF:35.0/41

All: -439.002+/-257.854 χ^2/NDF: 80.1/79



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1775.471+/-0.294 χ^2/NDF:160953.2/22

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1811.256+/-0.301 χ^2/NDF:1945.3/21

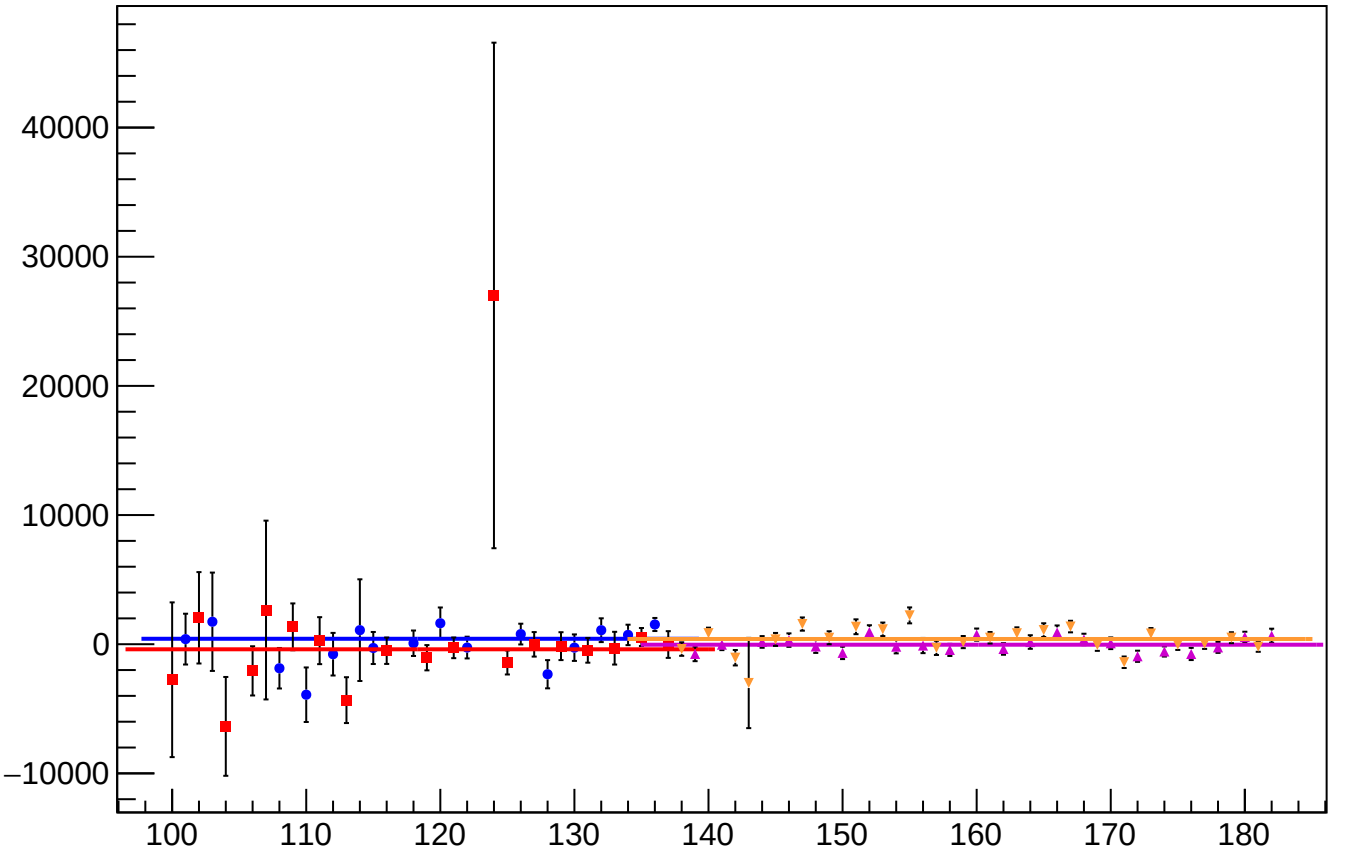
Left: 1792.905+/-0.210 χ^2/NDF: 170123.1/44

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1842.601+/-0.261 χ^2/NDF:684762.1/37

Out: 1817.275+/-0.255 χ^2/NDF:519001.2/41

All: 1829.647+/-0.182 χ^2/NDF: 1208584.5/79



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 404.387+/-101.135 χ^2/NDF:60.3/22

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -38.895+/-100.868 χ^2/NDF:28.3/21

Left: 182.160+/-71.419 χ^2/NDF: 98.2/44

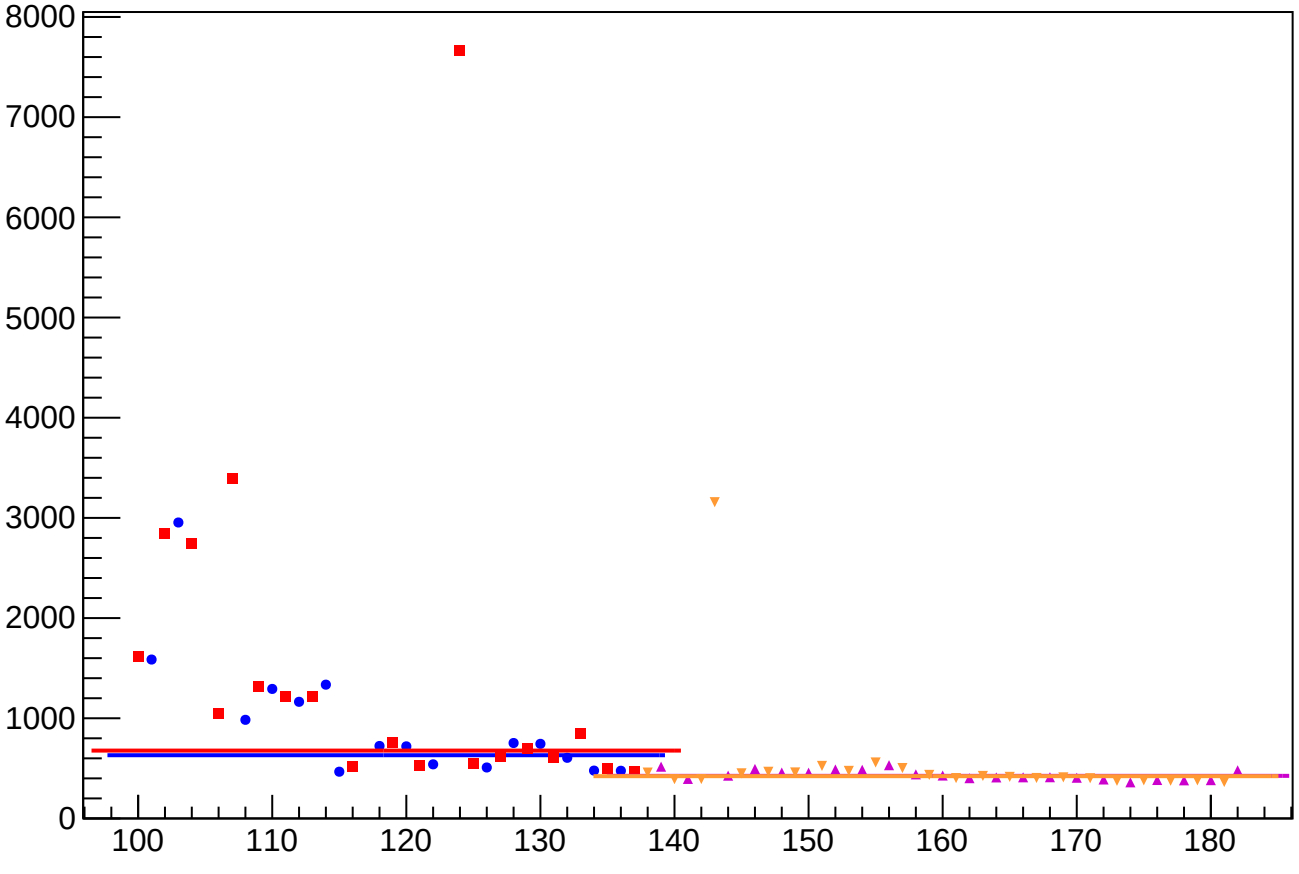
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 22.616+/-93.883 χ^2/NDF:52.6/37

Out: 312.039+/-95.103 χ^2/NDF:83.3/41

All: 165.458+/-66.813 χ^2/NDF: 140.6/79

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: 422.054+/-0.072 χ^2/NDF:1650820.9/22

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 425.250+/-0.071 χ^2/NDF:402254.7/21

Left: 423.656+/-0.051 χ^2/NDF: 2054076.8/44

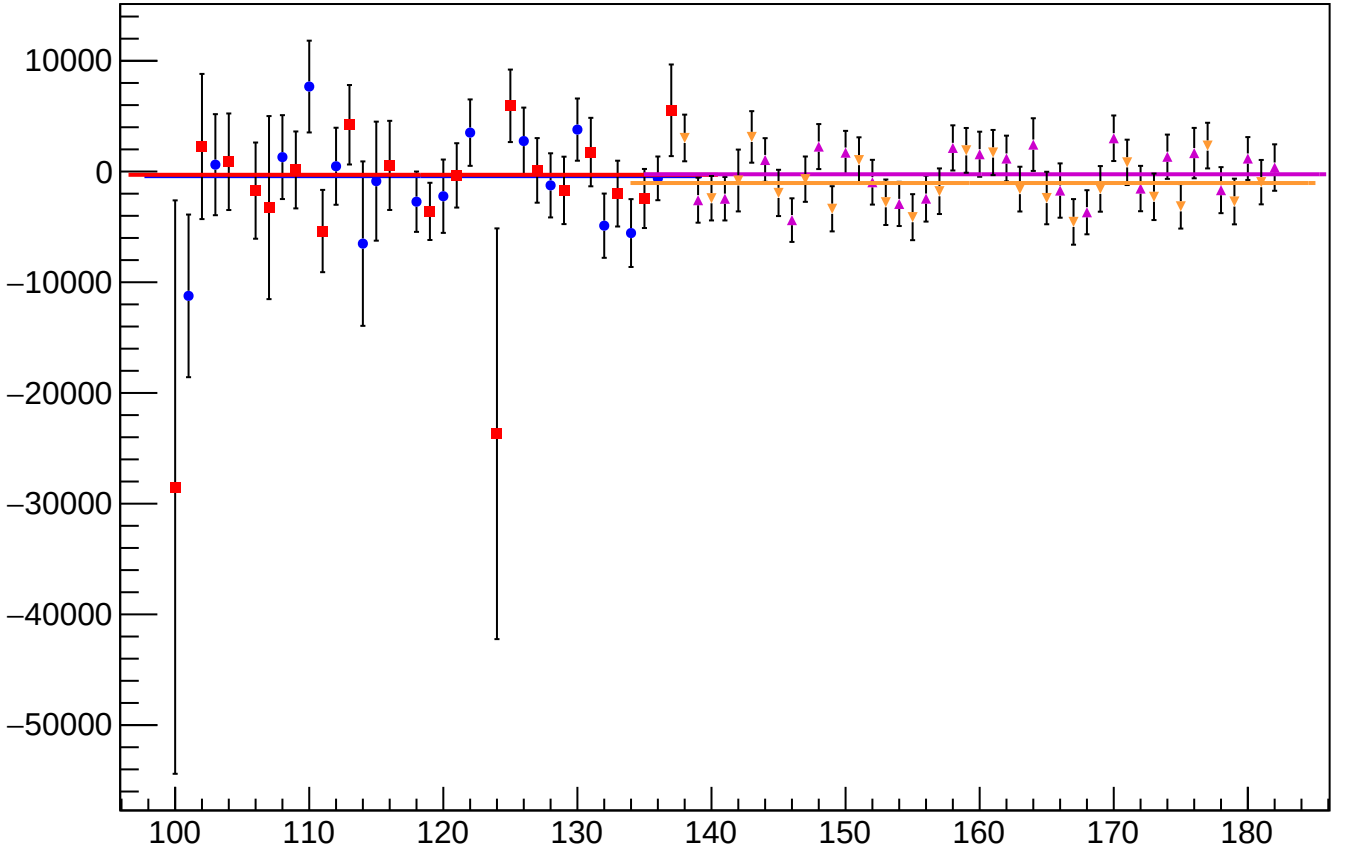
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 452.779+/-0.066 χ^2/NDF:3750887.7/37

Out: 451.609+/-0.067 χ^2/NDF:6208249.6/41

All: 452.201+/-0.047 χ^2/NDF: 9959290.5/79

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1037.550+/-436.645 χ^2/NDF:25.9/22

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -246.960+/-438.502 χ^2/NDF:25.6/21

Left: -643.933+/-309.409 χ^2/NDF: 53.1/44

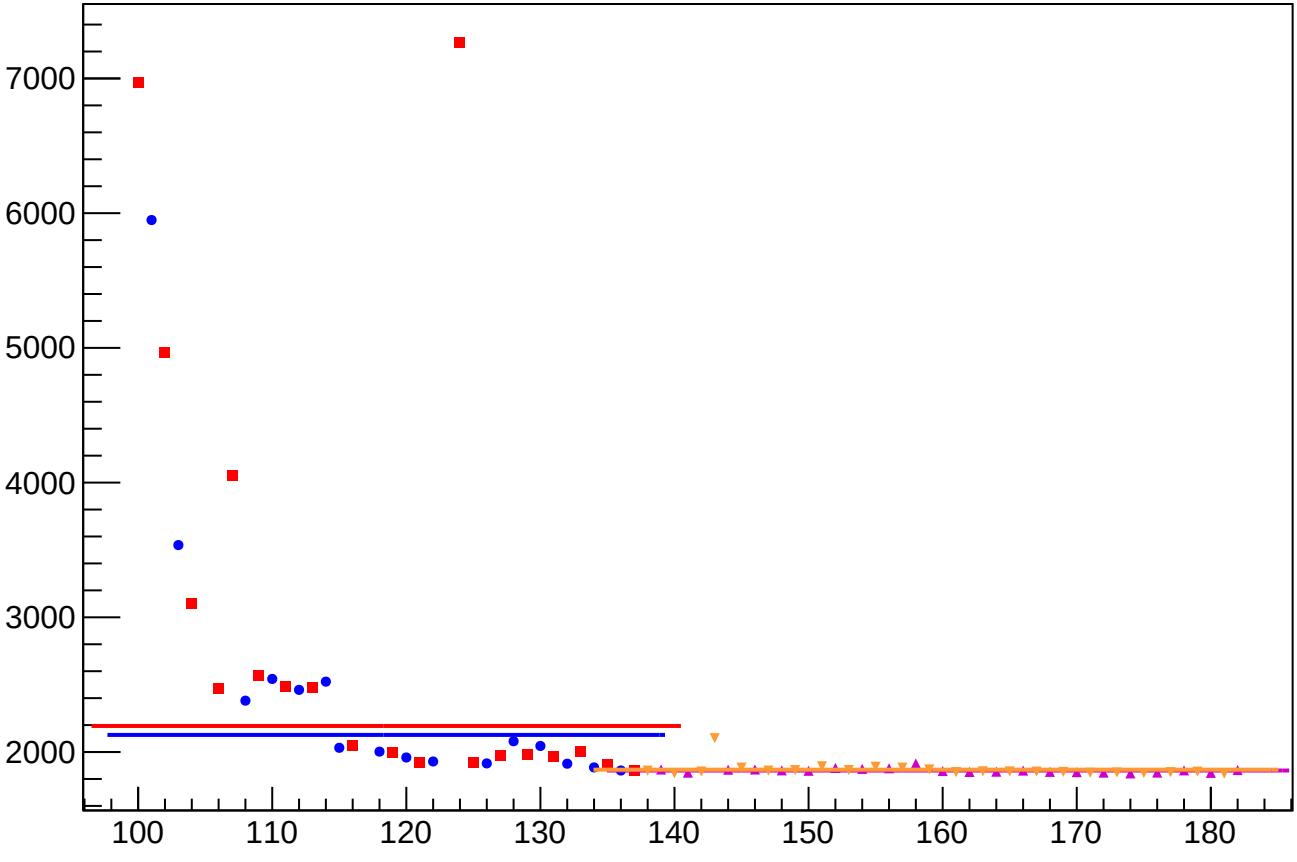
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -285.255+/-386.196 χ^2/NDF:43.9/37

Out: -876.976+/-386.595 χ^2/NDF:42.2/41

All: -580.810+/-273.223 χ^2/NDF: 87.3/79

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1868.997+/-0.309 χ^2/NDF:23313.8/22

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1862.752+/-0.310 χ^2/NDF:2710.8/21

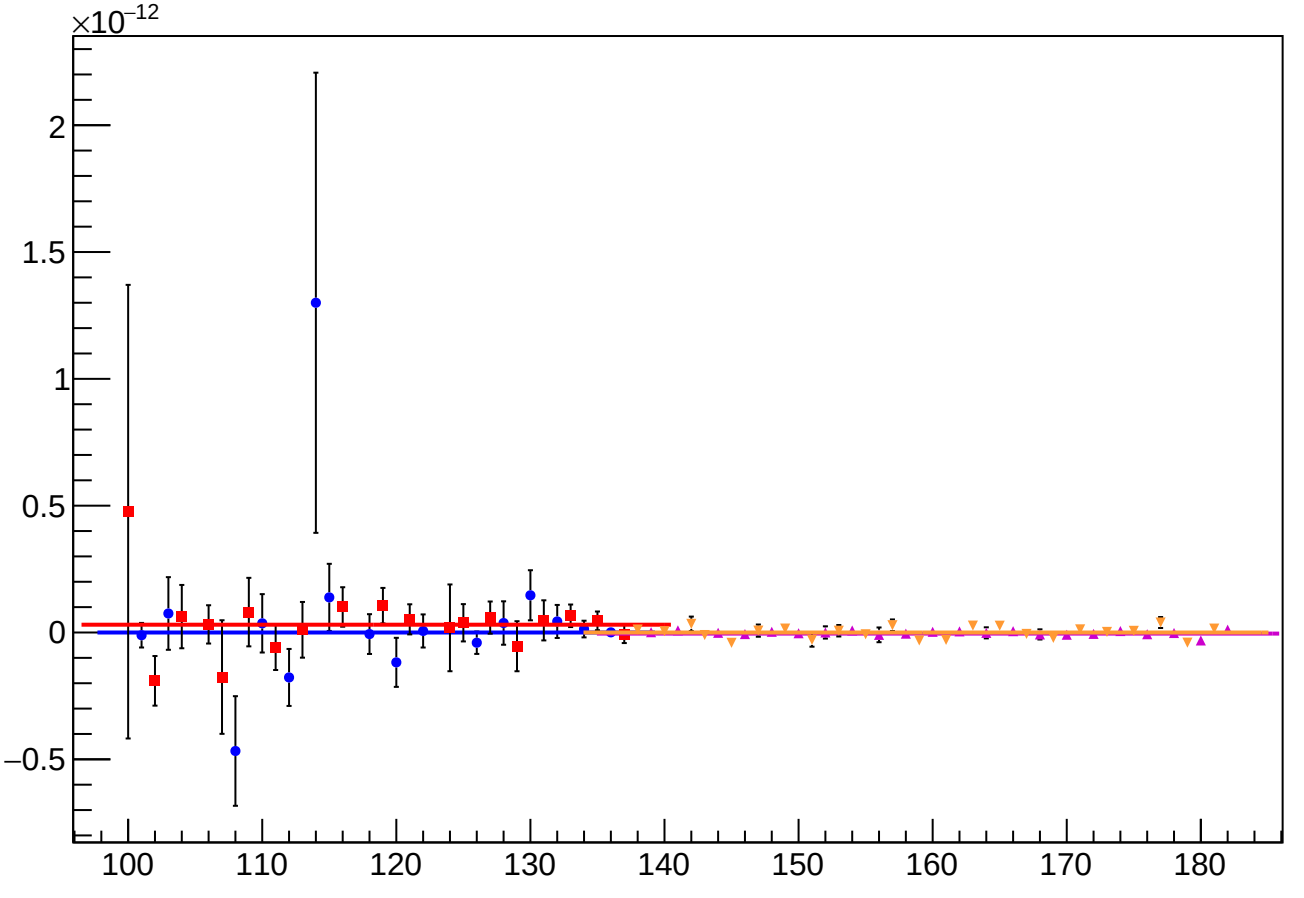
Left: 1865.888+/-0.219 χ^2/NDF: 26228.3/44

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1922.043+/-0.273 χ^2/NDF:1040775.0/37

Out: 1939.138+/-0.273 χ^2/NDF:1204701.1/41

All: 1930.582+/-0.193 χ^2/NDF: 2247433.5/79



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:15.4/21

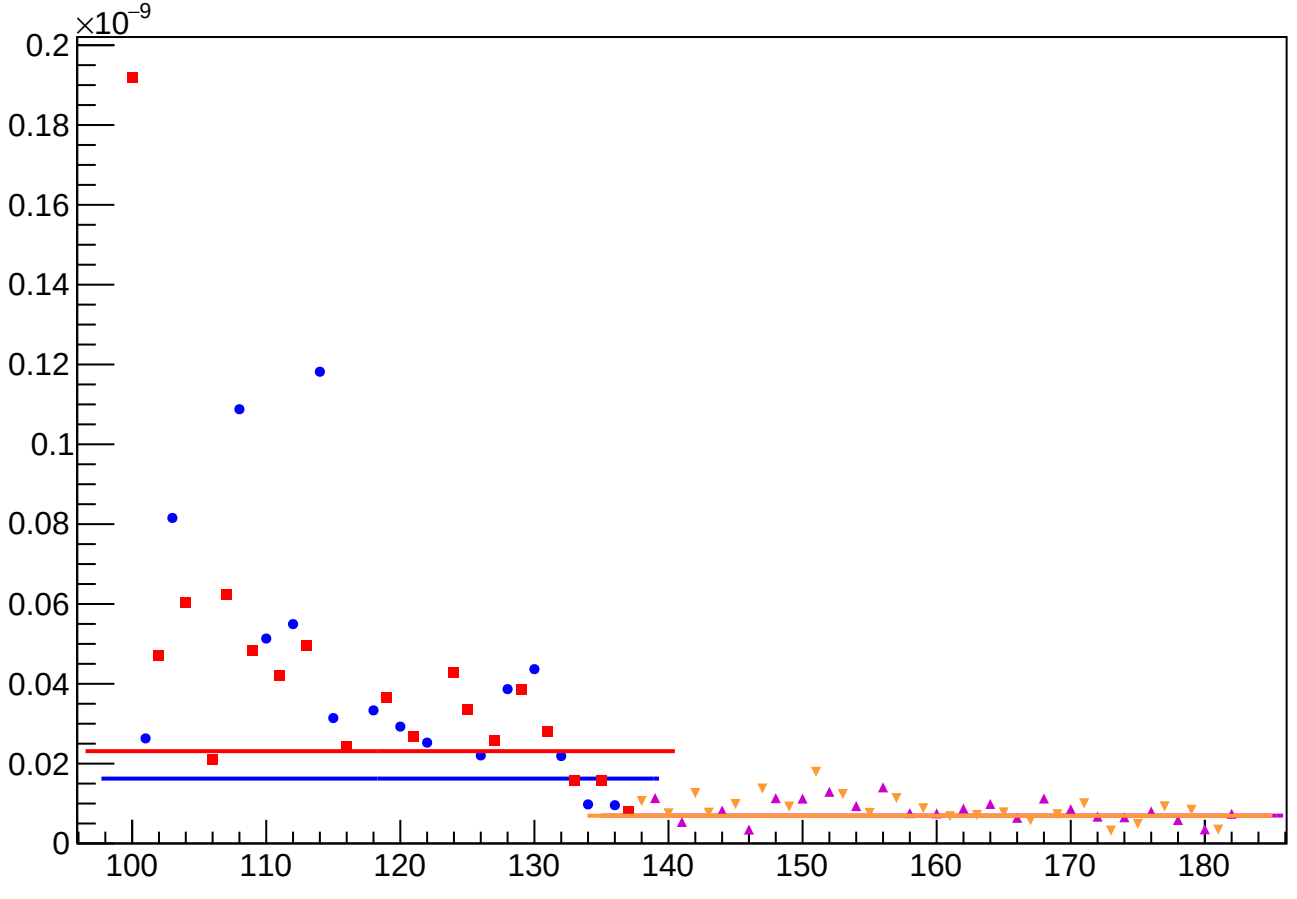
Left: -0.000+/-0.000 χ^2/NDF: 57.3/44

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:31.6/37

Out: 0.000+/-0.000 χ^2/NDF:57.1/41

All: -0.000+/-0.000 χ^2/NDF: 90.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1806409.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1447216.6/21

Left: 0.000+/-0.000 χ^2/NDF: 3253810.2/44

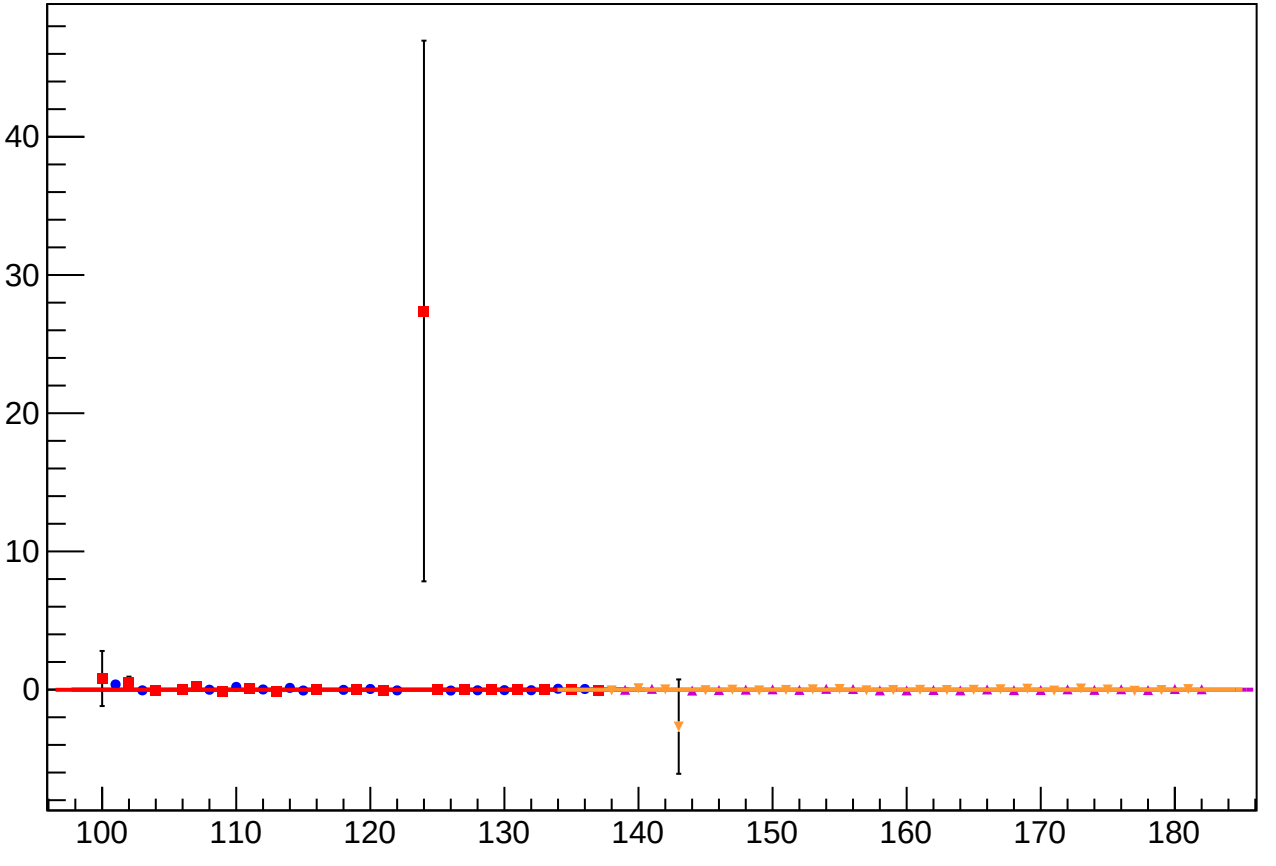
Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4877752.4/37

Out: 0.000+/-0.000 χ^2/NDF:5261619.9/41

All: 0.000+/-0.000 χ^2/NDF: 10139708.8/79

asym_at1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.008 χ^2/NDF:36.3/22

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.003+/-0.008 χ^2/NDF:20.8/21

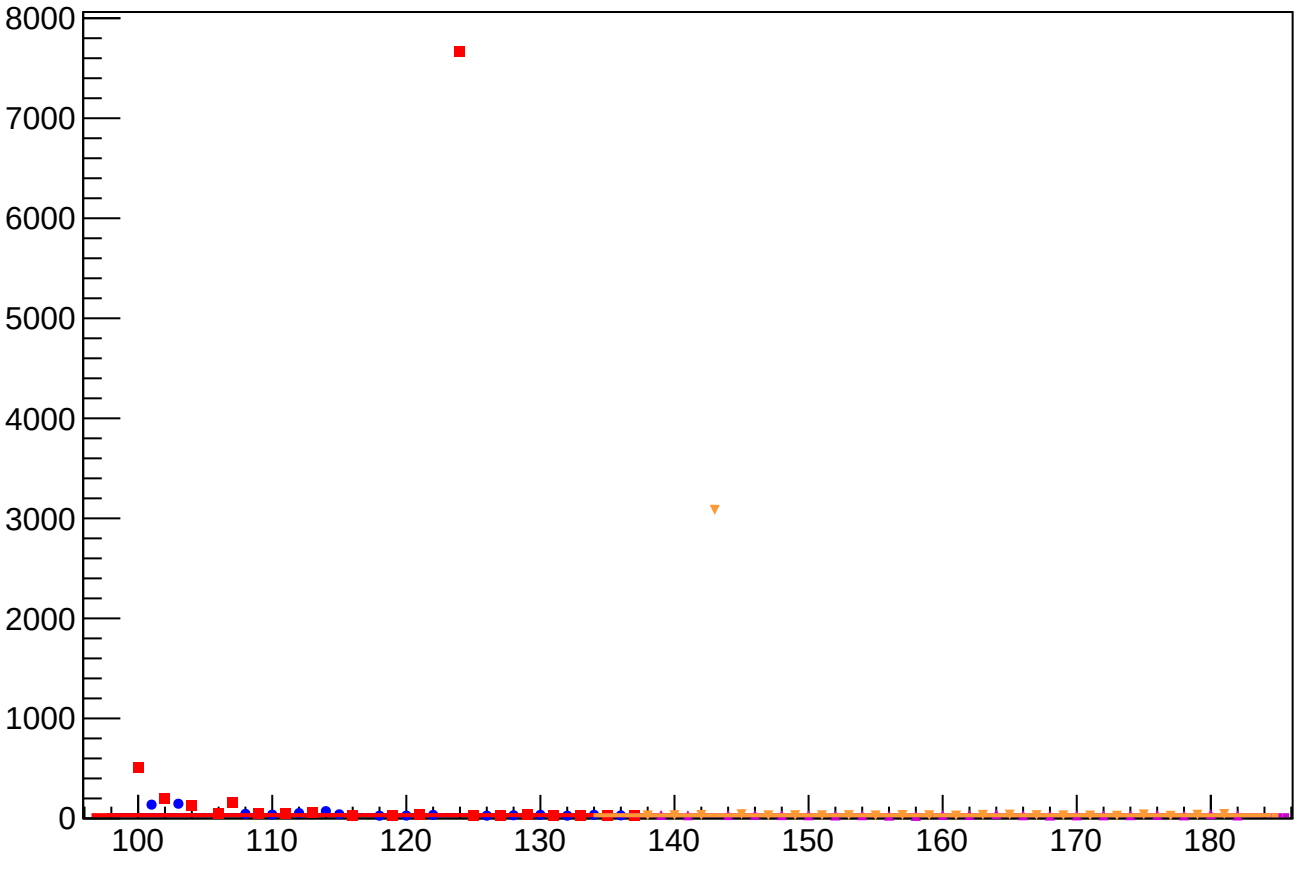
Left: -0.005+/-0.006 χ^2/NDF: 57.2/44

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.007 χ^2/NDF:41.9/37

Out: -0.008+/-0.007 χ^2/NDF:50.5/41

All: -0.005+/-0.005 χ^2/NDF: 92.8/79



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.296+/-0.006 χ^2/NDF:2045520.2/22

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.576+/-0.006 χ^2/NDF:398100.8/21

Left: 32.437+/-0.004 χ^2/NDF: 2444729.6/44

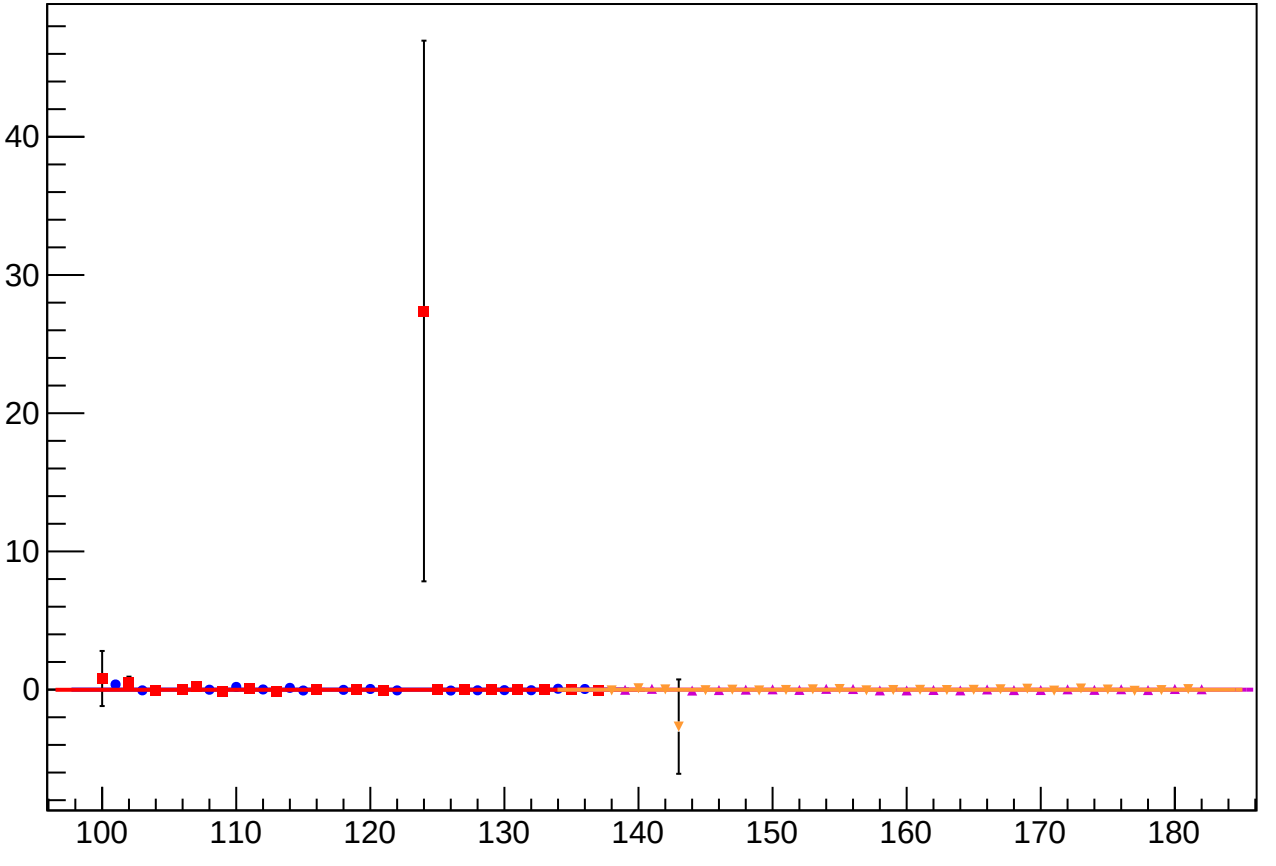
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.938+/-0.005 χ^2/NDF:2130551.0/37

Out: 32.489+/-0.005 χ^2/NDF:4124887.2/41

All: 32.715+/-0.004 χ^2/NDF: 6259194.1/79

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.008 χ^2/NDF:36.3/22

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.003+/-0.008 χ^2/NDF:20.8/21

Left: -0.005+/-0.006 χ^2/NDF: 57.2/44

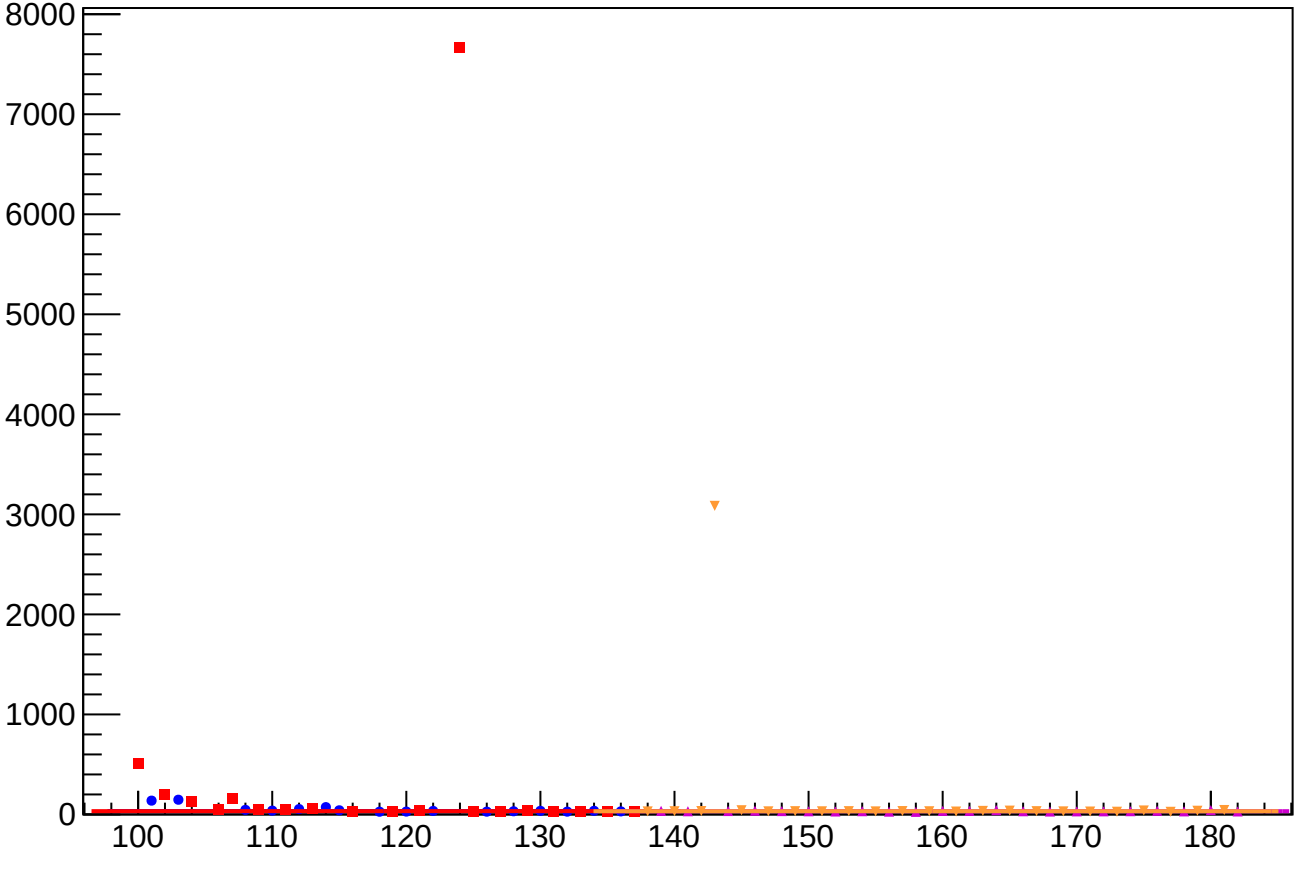
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.007 χ^2/NDF:41.9/37

Out: -0.008+/-0.007 χ^2/NDF:50.5/41

All: -0.005+/-0.005 χ^2/NDF: 92.8/79

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: 32.296+/-0.006 χ^2/NDF:2045520.2/22

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.576+/-0.006 χ^2/NDF:398100.8/21

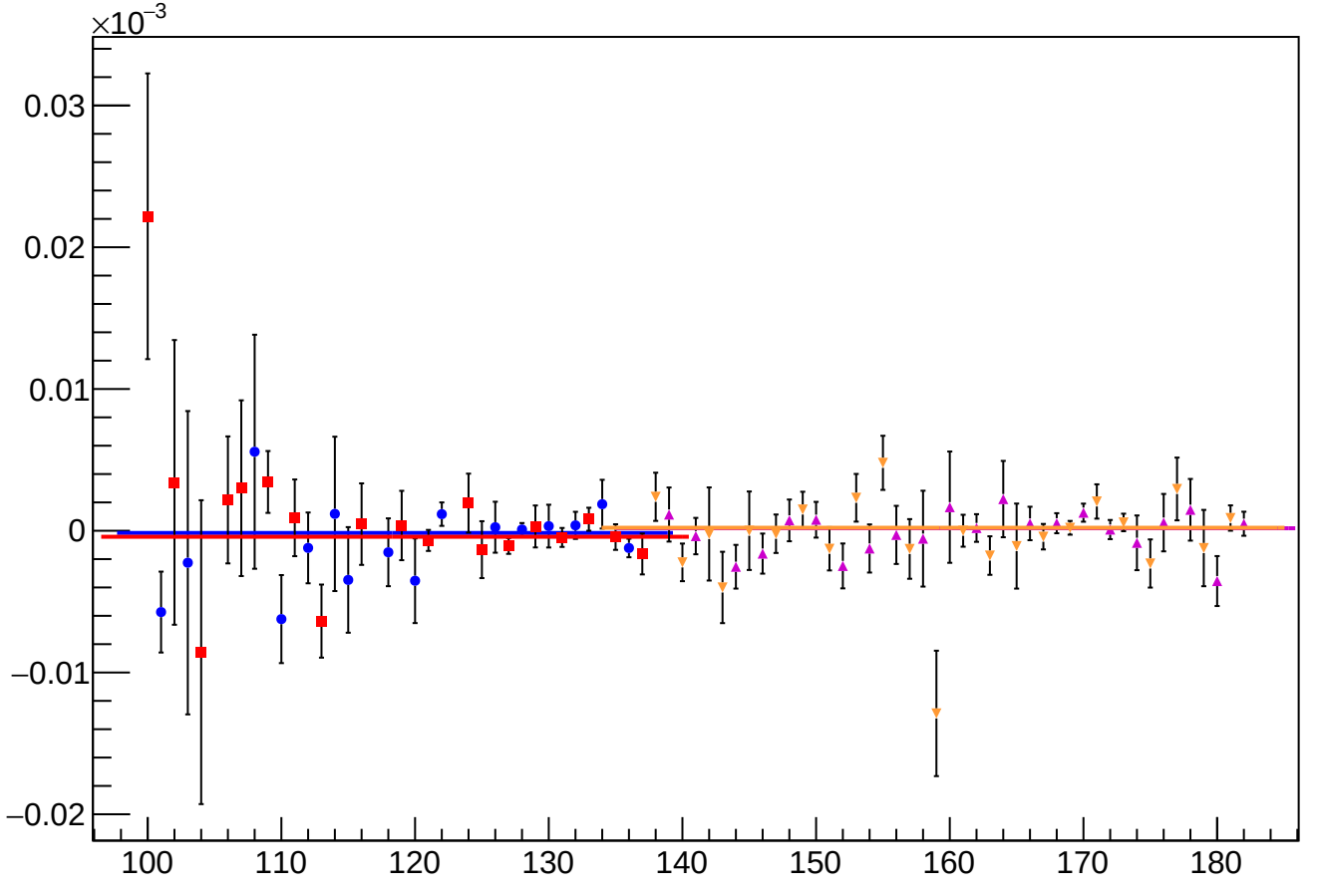
Left: 32.437+/-0.004 χ^2/NDF: 2444729.6/44

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.938+/-0.005 χ^2/NDF:2130551.0/37

Out: 32.489+/-0.005 χ^2/NDF:4124887.2/41

All: 32.715+/-0.004 χ^2/NDF: 6259194.1/79



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/21

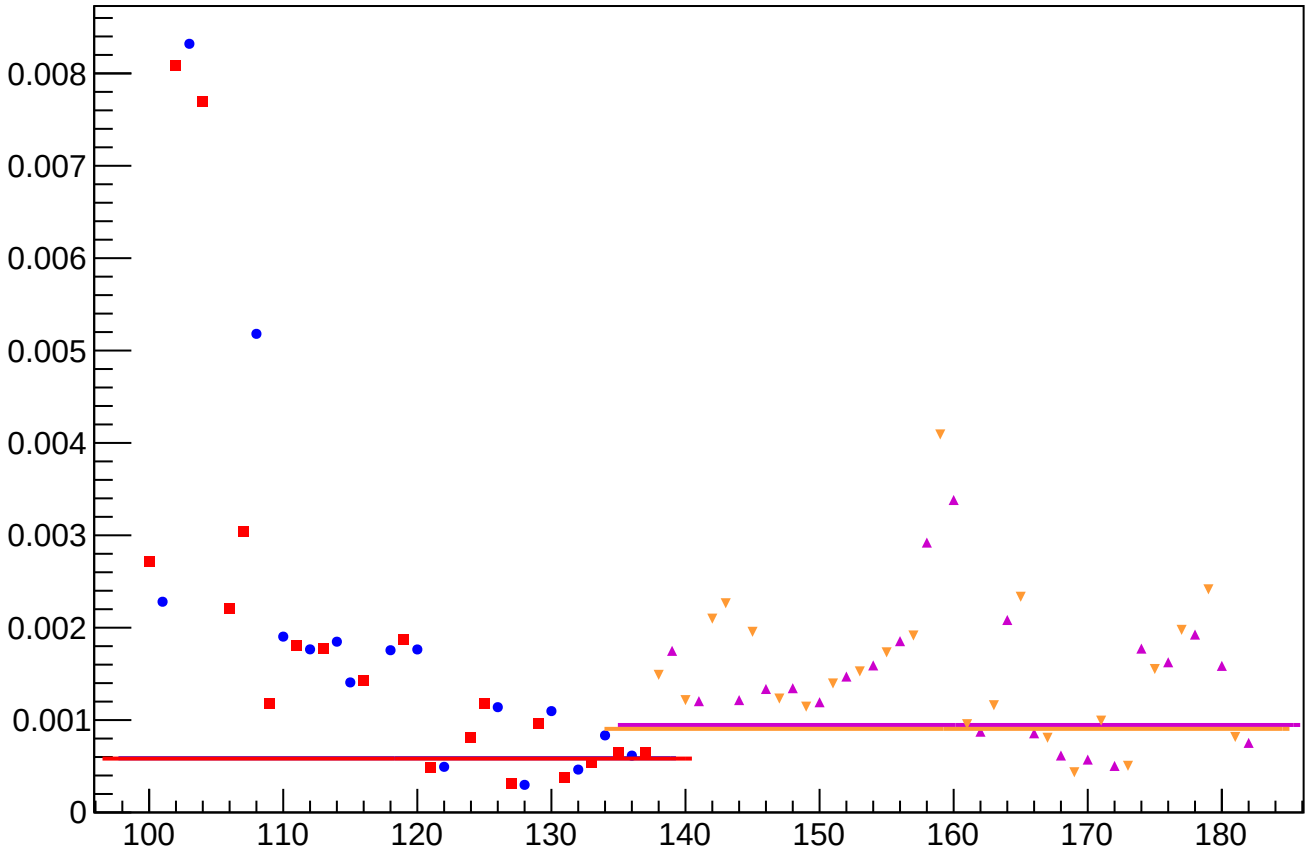
Left: 0.000+/-0.000 χ^2/NDF: 55.2/44

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: 0.000+/-0.000 χ^2/NDF:37.4/37

Out: -0.000+/-0.000 χ^2/NDF:61.1/41

All: -0.000+/-0.000 χ^2/NDF: 98.6/79



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:8711727.4/22

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:6952277.4/21

Left: 0.001+/-0.000 χ^2/NDF: 15691394.7/44

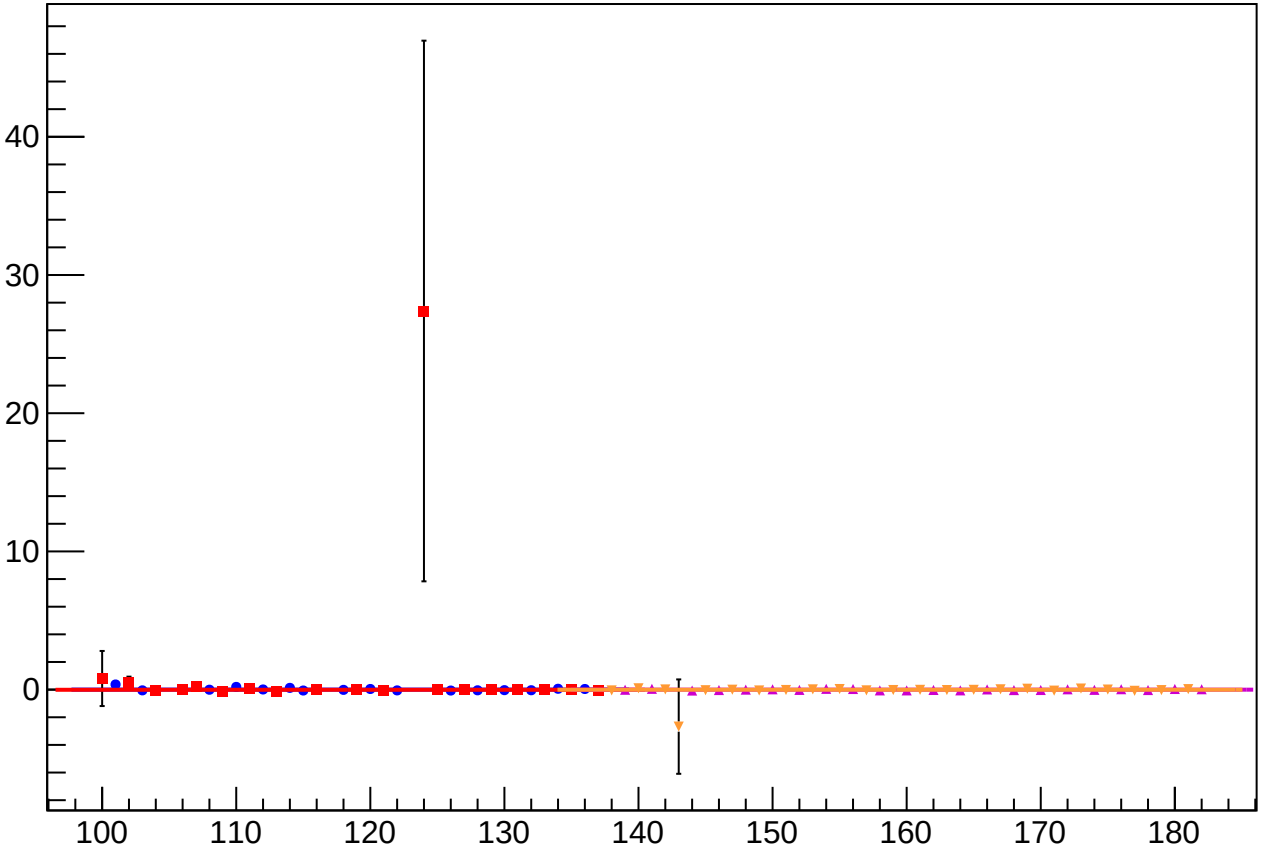
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:14136888.3/37

Out: 0.001+/-0.000 χ^2/NDF:15583294.9/41

All: 0.001+/-0.000 χ^2/NDF: 29737628.2/79

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: -0.007+/-0.008 χ^2/NDF:36.3/22

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.003+/-0.008 χ^2/NDF:20.8/21

Left: -0.005+/-0.006 χ^2/NDF: 57.2/44

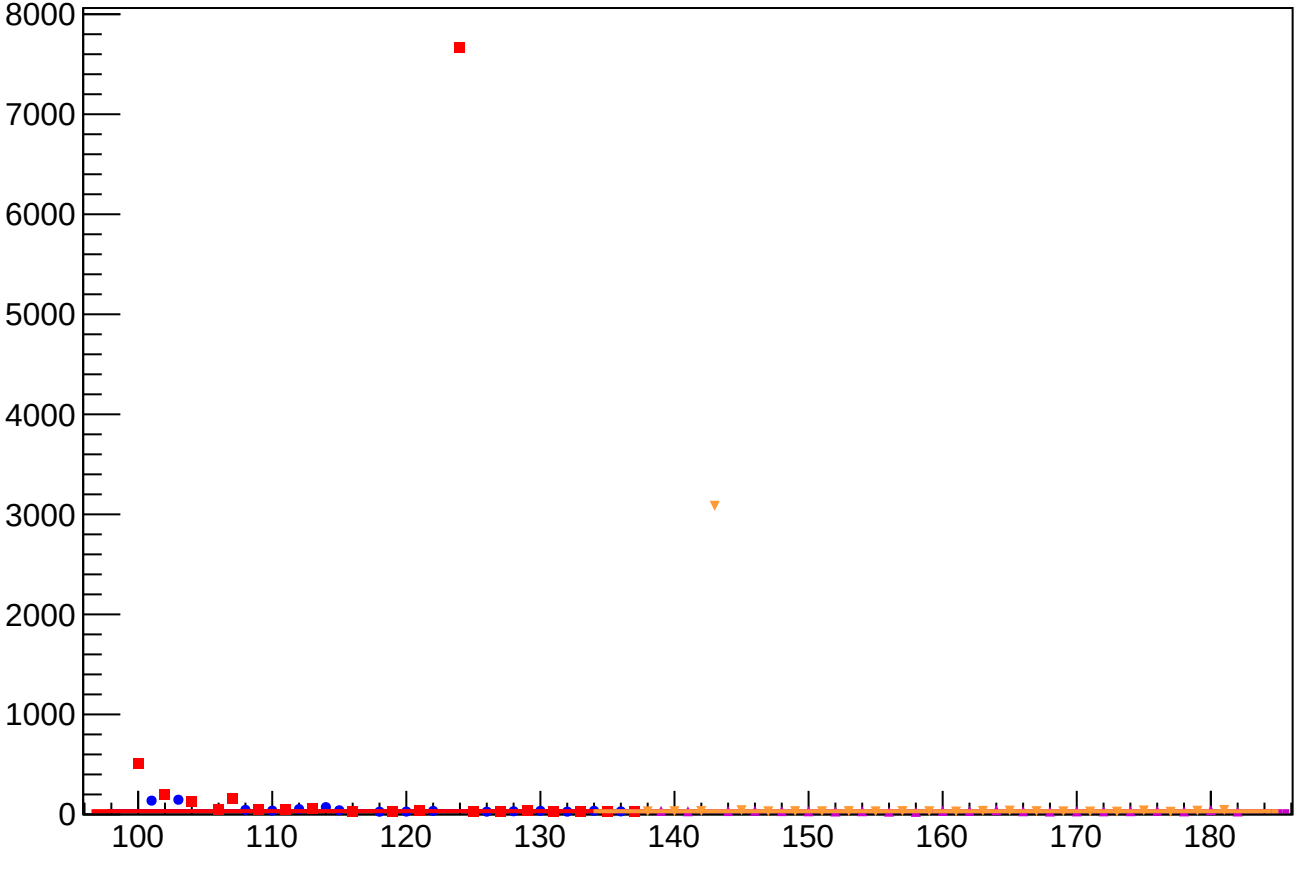
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.007 χ^2/NDF:41.9/37

Out: -0.008+/-0.007 χ^2/NDF:50.5/41

All: -0.005+/-0.005 χ^2/NDF: 92.8/79

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: 32.296+/-0.006 χ^2/NDF:2045564.0/22

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.577+/-0.006 χ^2/NDF:398014.5/21

Left: 32.437+/-0.004 χ^2/NDF: 2444689.8/44

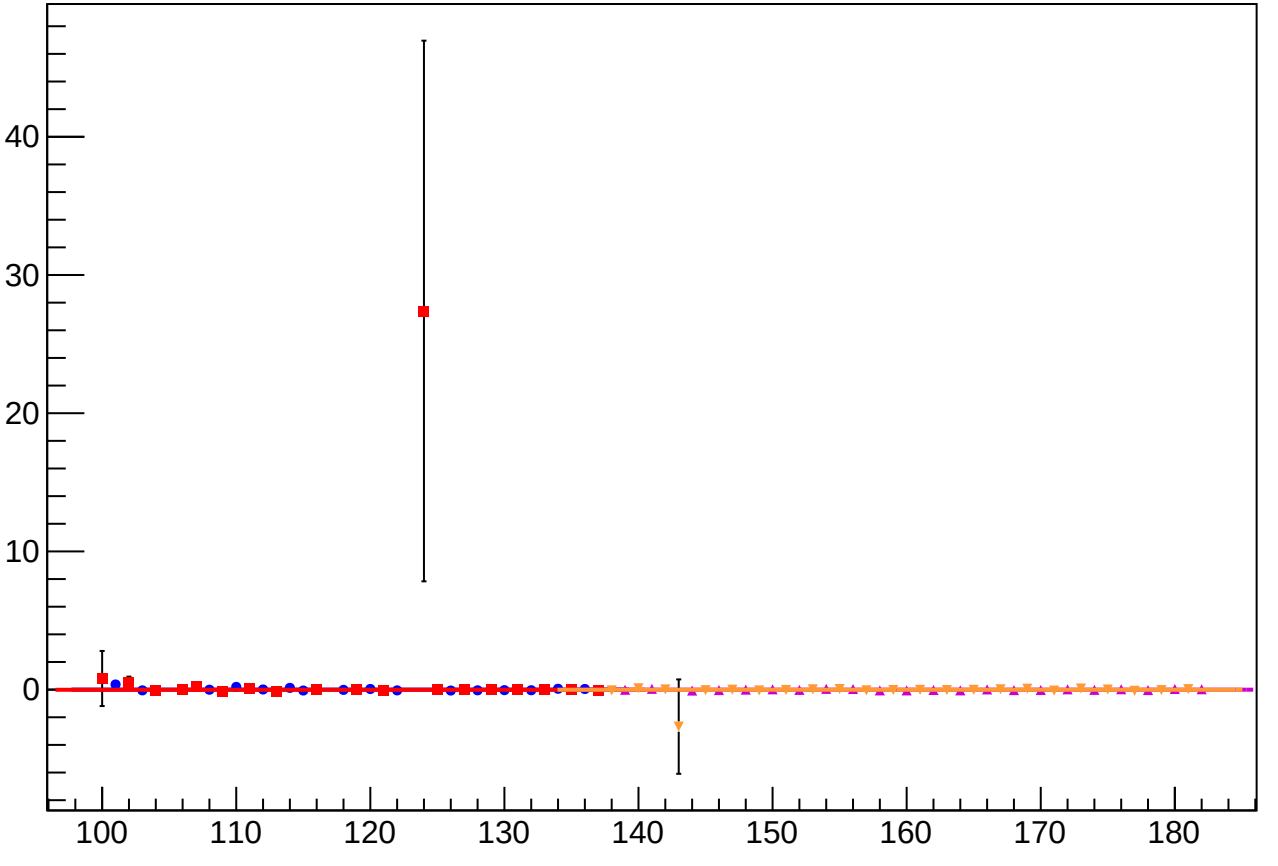
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.938+/-0.005 χ^2/NDF:2130448.5/37

Out: 32.489+/-0.005 χ^2/NDF:4124912.2/41

All: 32.715+/-0.004 χ^2/NDF: 6259121.4/79

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.008 χ^2/NDF:36.3/22

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.003+/-0.008 χ^2/NDF:20.8/21

Left: -0.005+/-0.006 χ^2/NDF: 57.2/44

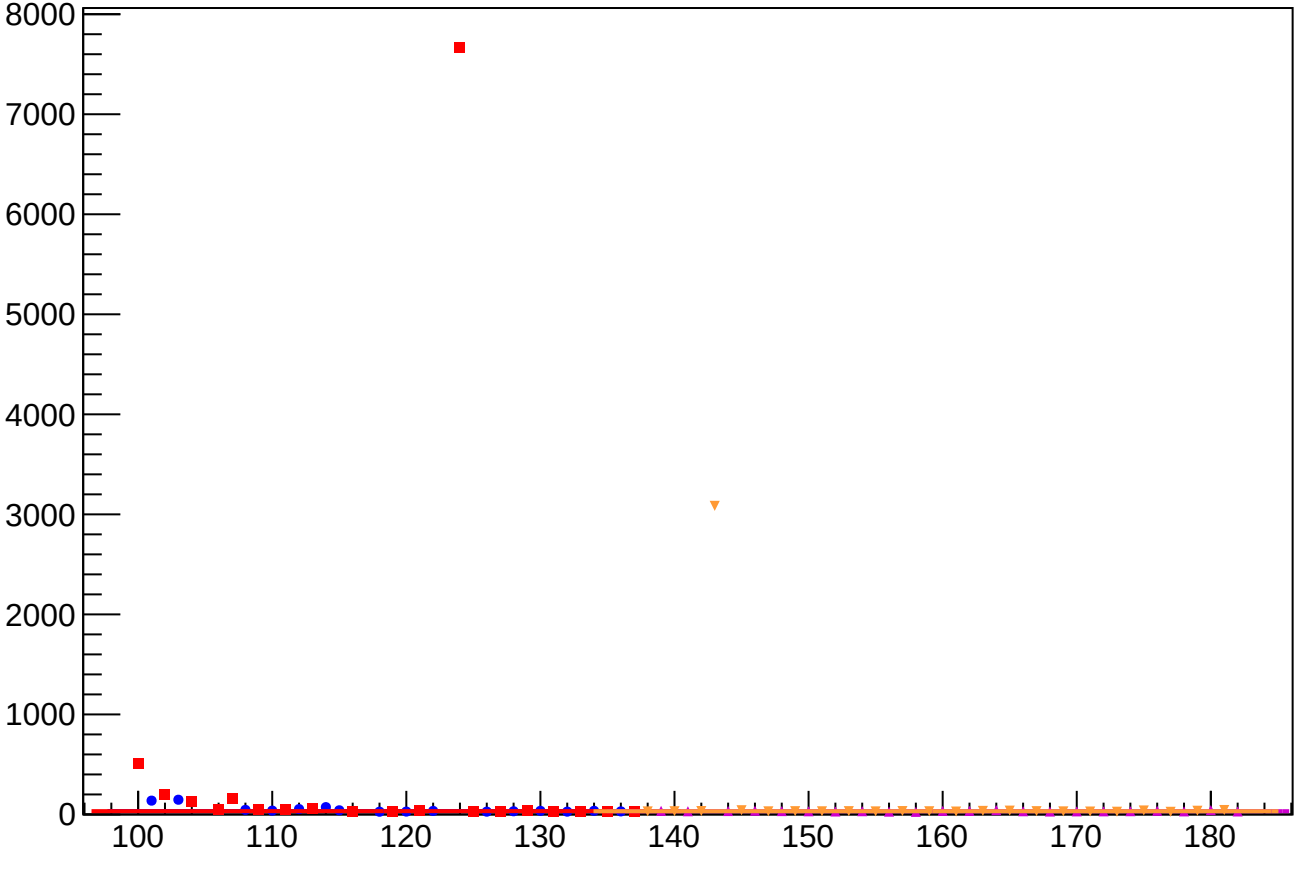
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.007 χ^2/NDF:41.9/37

Out: -0.008+/-0.007 χ^2/NDF:50.5/41

All: -0.005+/-0.005 χ^2/NDF: 92.8/79

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: 32.296+/-0.006 χ^2/NDF:2045564.0/22

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.577+/-0.006 χ^2/NDF:398014.5/21

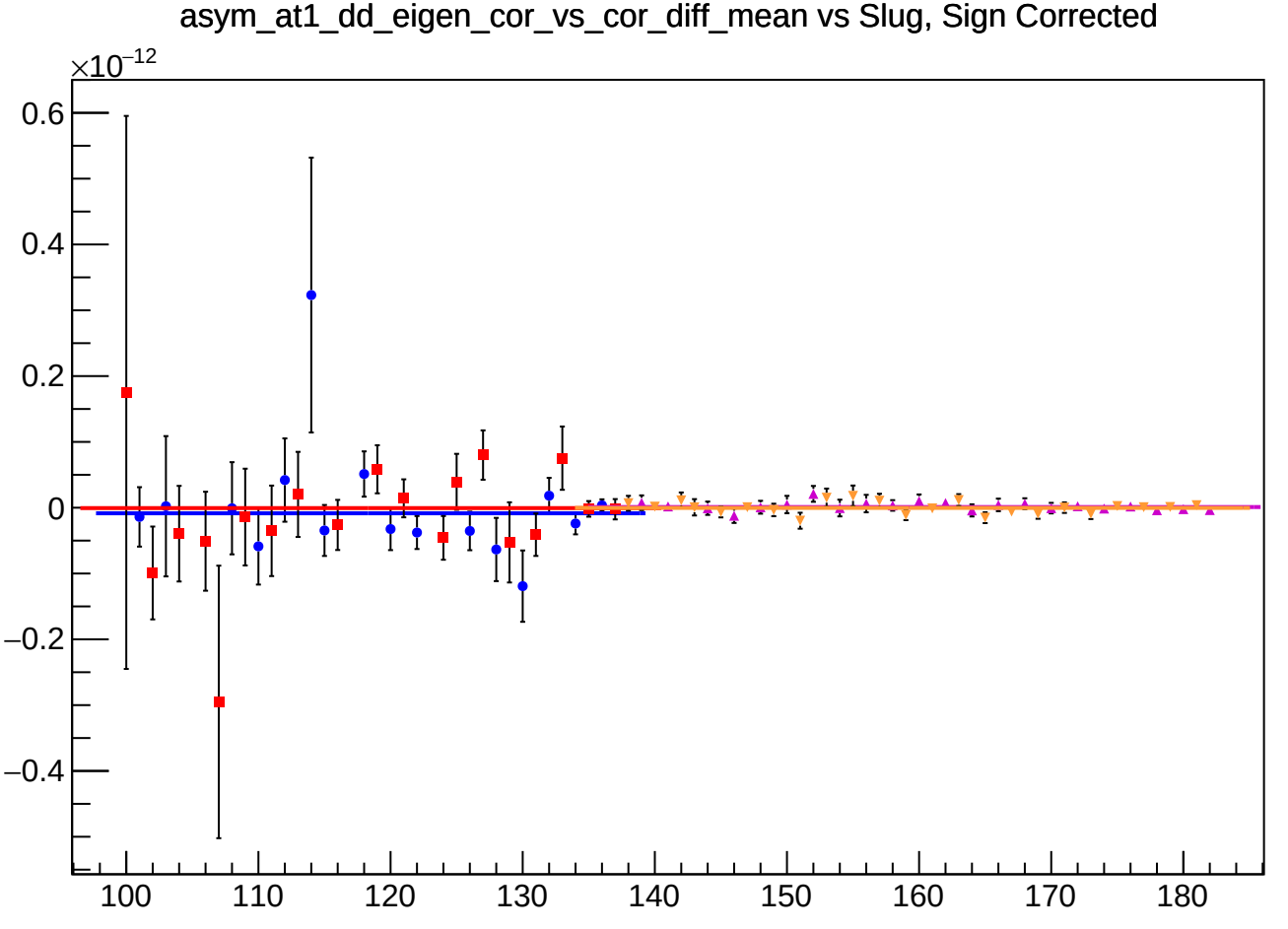
Left: 32.437+/-0.004 χ^2/NDF: 2444689.8/44

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.938+/-0.005 χ^2/NDF:2130448.5/37

Out: 32.489+/-0.005 χ^2/NDF:4124912.2/41

All: 32.715+/-0.004 χ^2/NDF: 6259121.4/79



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/22

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/21

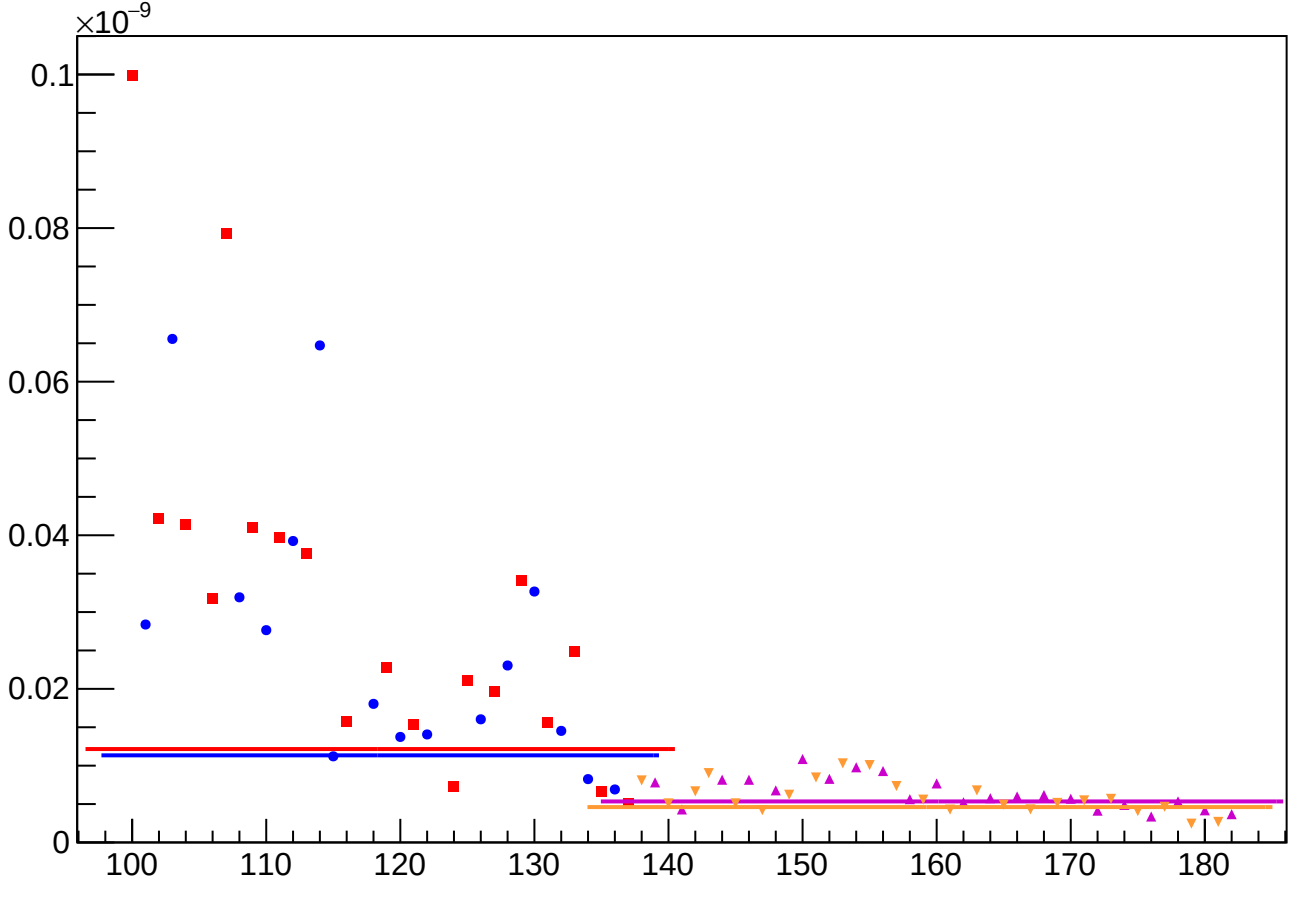
Left: 0.000+/-0.000 χ^2/NDF: 29.5/44

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:30.5/37

Out: -0.000+/-0.000 χ^2/NDF:40.8/41

All: 0.000+/-0.000 χ^2/NDF: 71.4/79



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2786387.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2185493.4/21

Left: 0.000+/-0.000 χ^2/NDF: 5186195.2/44

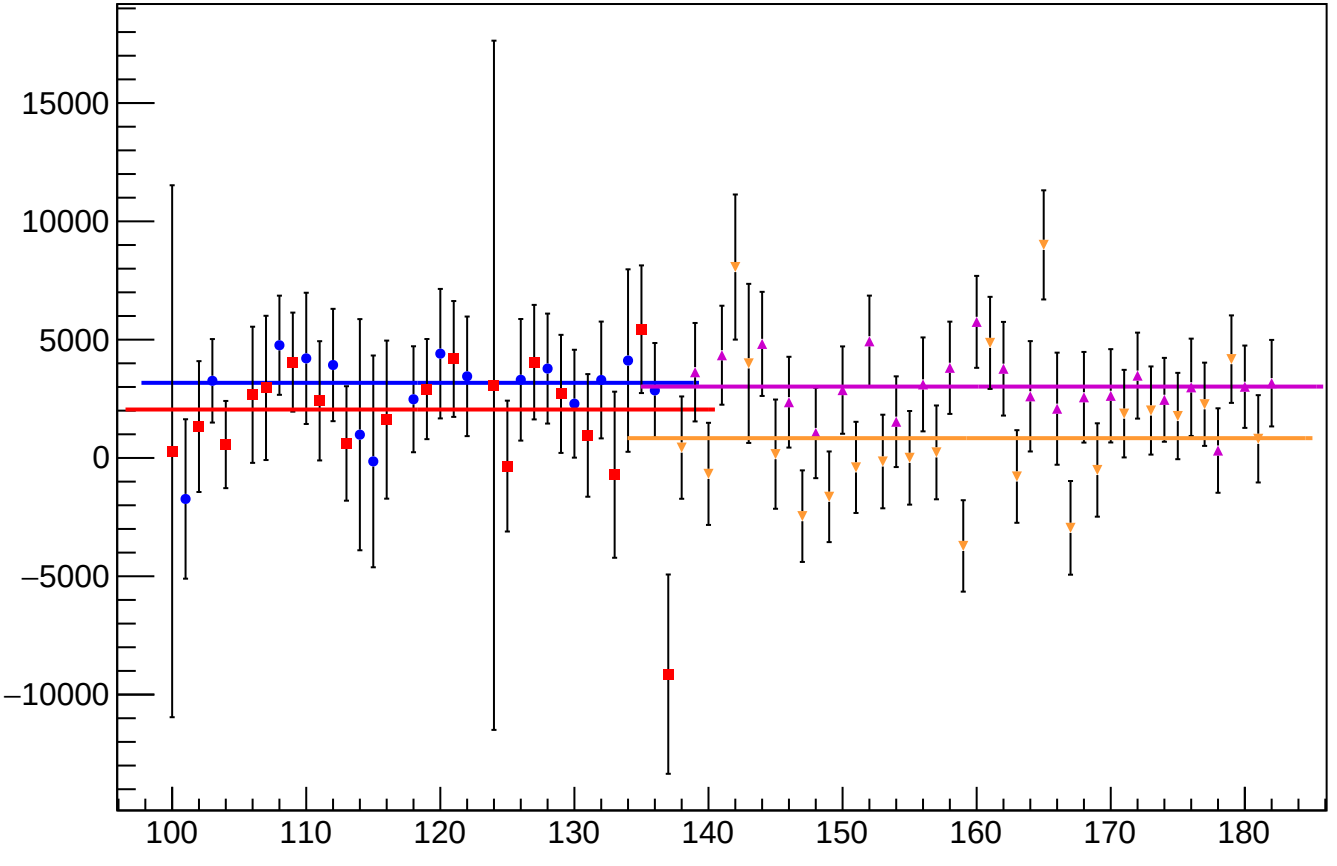
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:6647826.9/37

Out: 0.000+/-0.000 χ^2/NDF:8625007.6/41

All: 0.000+/-0.000 χ^2/NDF: 15538409.3/79

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 836.959+/-420.032 χ^2/NDF:44.6/22

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3016.524+/-416.119 χ^2/NDF:9.0/21

Left: 1936.941+/-295.614 χ^2/NDF: 67.2/44

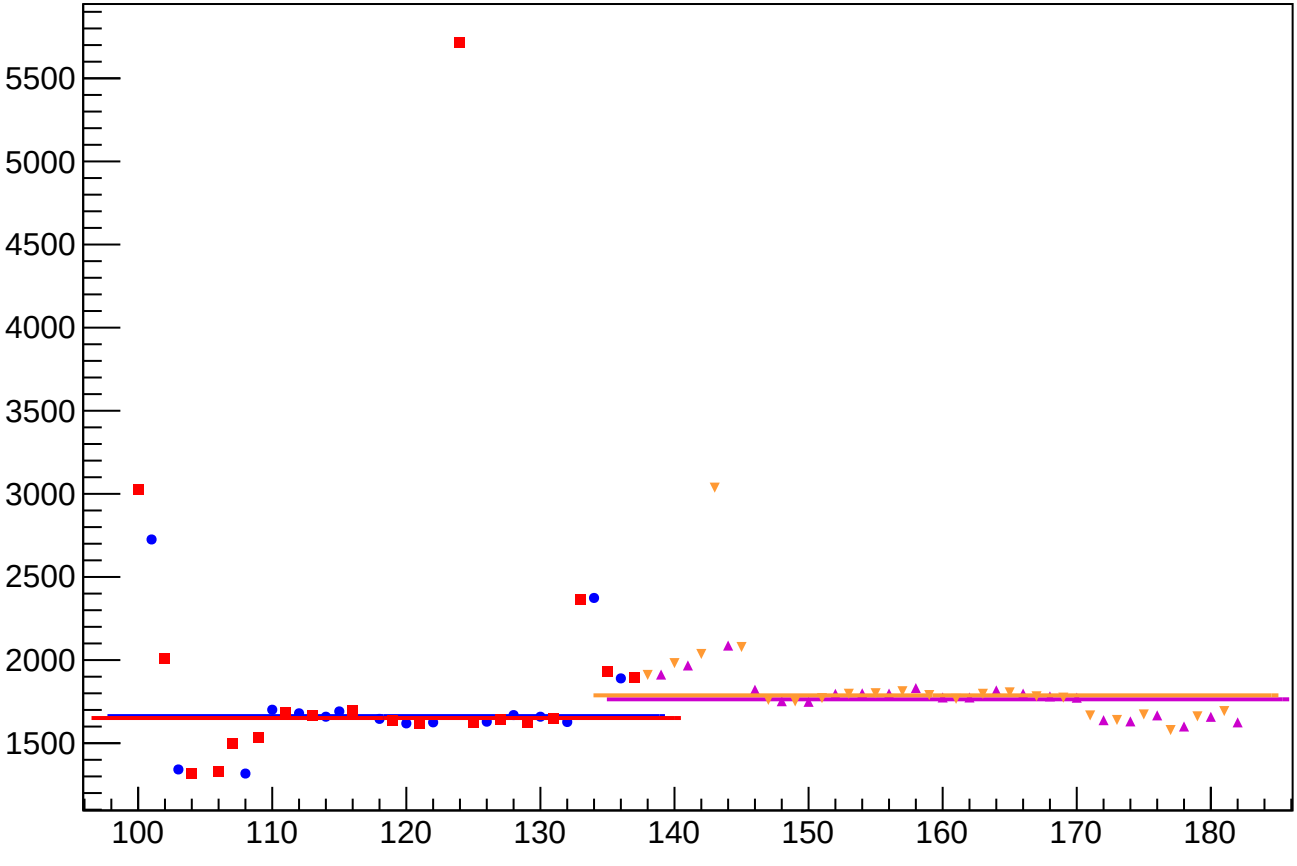
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3065.058+/-346.879 χ^2/NDF:13.3/37

Out: 1216.486+/-348.007 χ^2/NDF:61.3/41

All: 2143.775+/-245.678 χ^2/NDF: 88.8/79

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1787.832+/-0.297 χ^2/NDF:417950.4/22

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1763.964+/-0.294 χ^2/NDF:141336.2/21

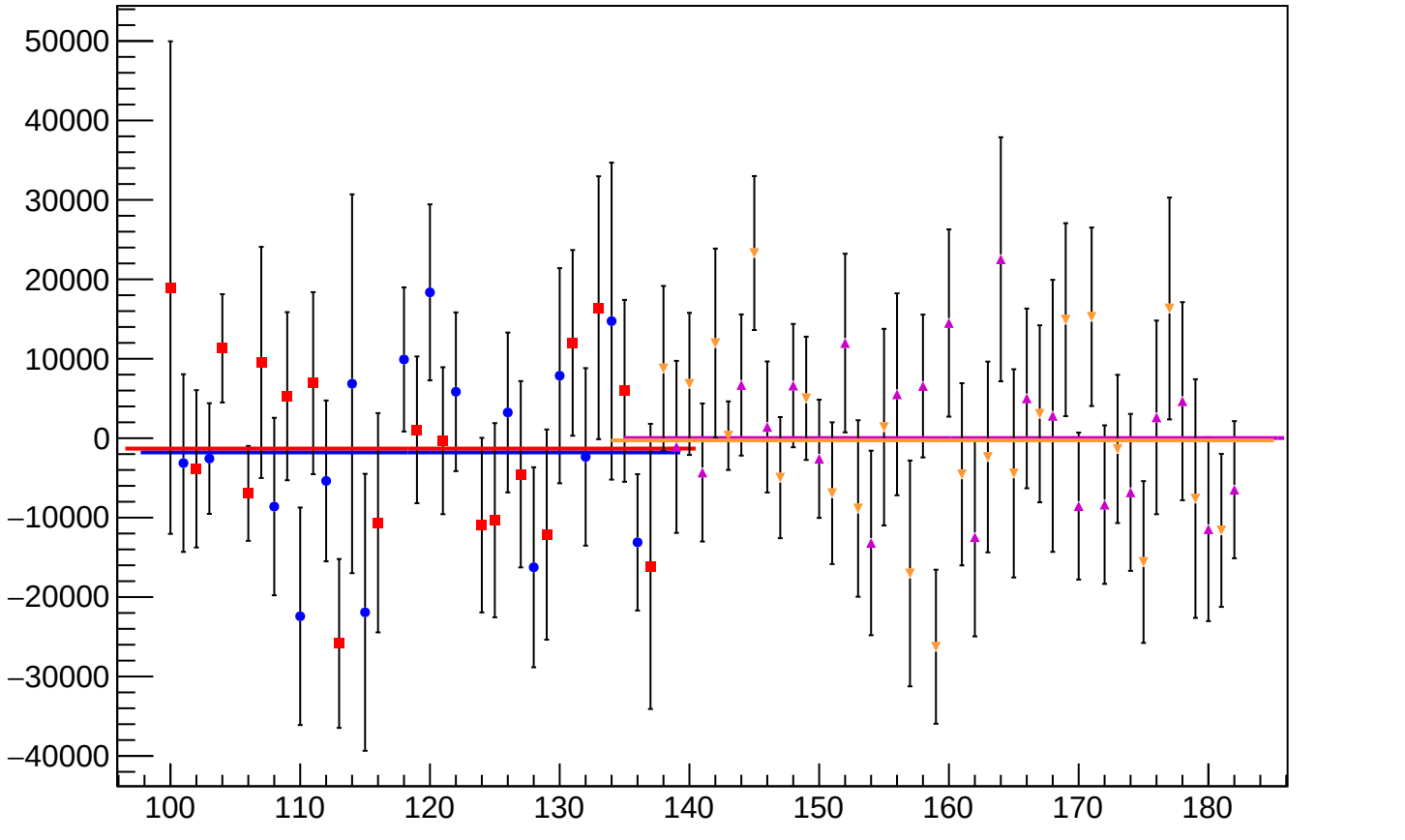
Left: 1775.786+/-0.209 χ^2/NDF: 562545.8/44

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1733.129+/-0.245 χ^2/NDF:592960.4/37

Out: 1745.030+/-0.246 χ^2/NDF:916151.4/41

All: 1739.060+/-0.174 χ^2/NDF: 1510285.0/79



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: -272.327+/-1983.098 χ^2/NDF:28.1/22

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 22.693+/-2167.861 χ^2/NDF:13.5/21

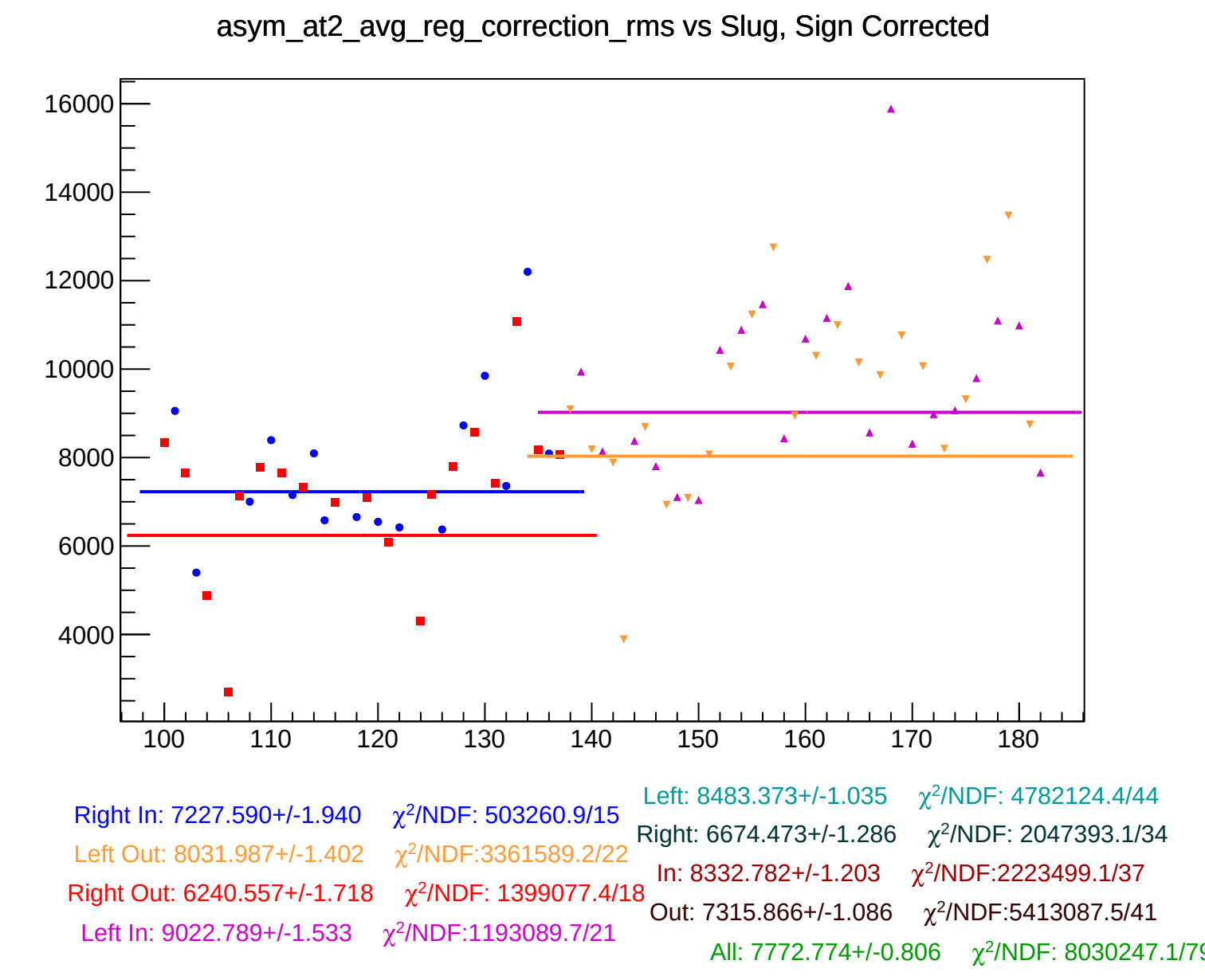
Left: -137.922+/-1463.229 χ^2/NDF: 41.6/44

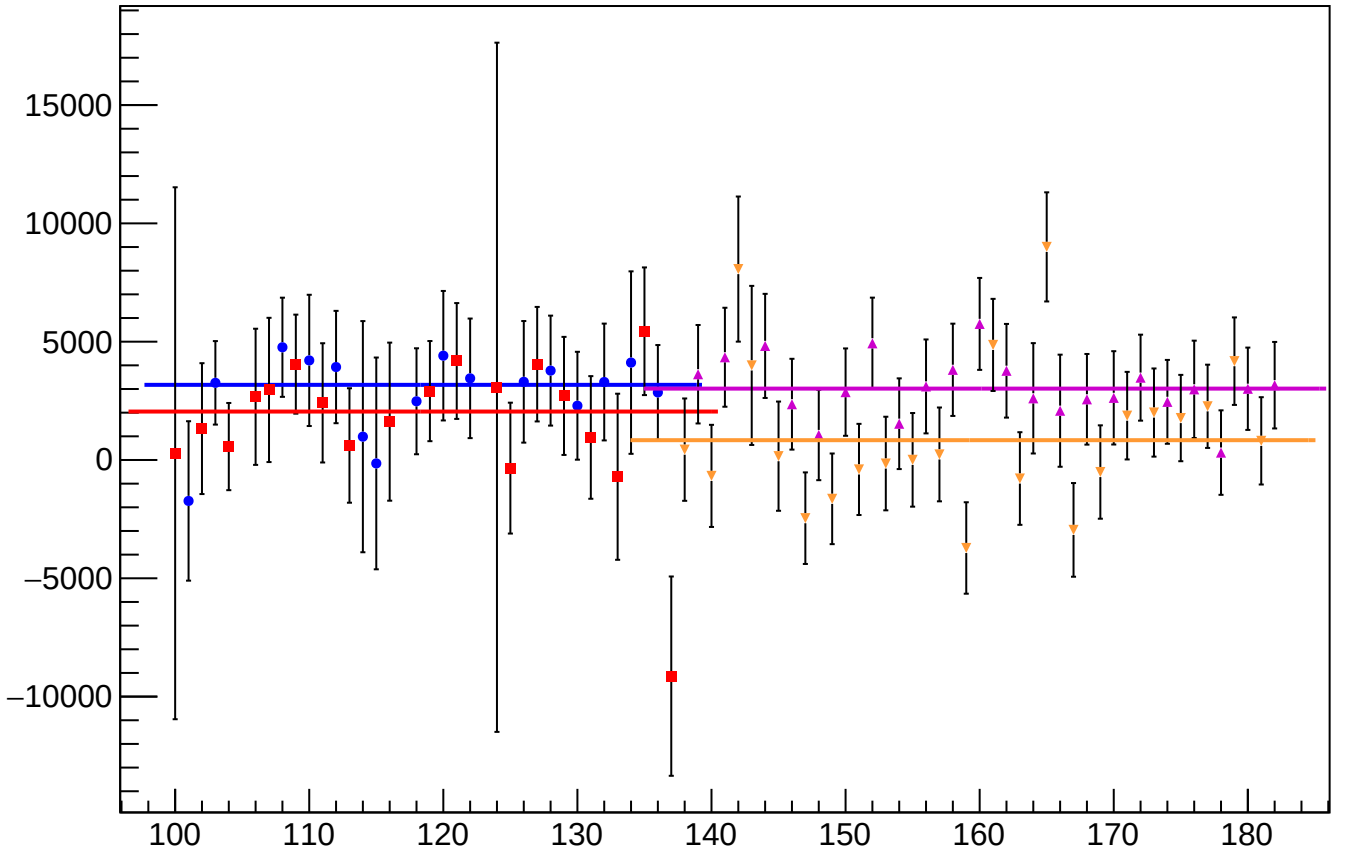
Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -674.434+/-1700.959 χ^2/NDF:28.1/37

Out: -685.660+/-1536.423 χ^2/NDF:46.0/41

All: -680.616+/-1140.159 χ^2/NDF: 74.1/79


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 8031.987+/-1.402 χ²/NDF:3361589.2/22
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 9022.789+/-1.533 χ²/NDF:1193089.7/21
Left: 8483.373+/-1.035 χ²/NDF: 4782124.4/44
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8332.782+/-1.203 χ²/NDF:2223499.1/37
Out: 7315.866+/-1.086 χ²/NDF:5413087.5/41
All: 7772.774+/-0.806 χ²/NDF: 8030247.1/79



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 836.859+/-420.032 χ^2/NDF:44.7/22

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3016.423+/-416.119 χ^2/NDF:9.0/21

Left: 1936.840+/-295.614 χ^2/NDF: 67.2/44

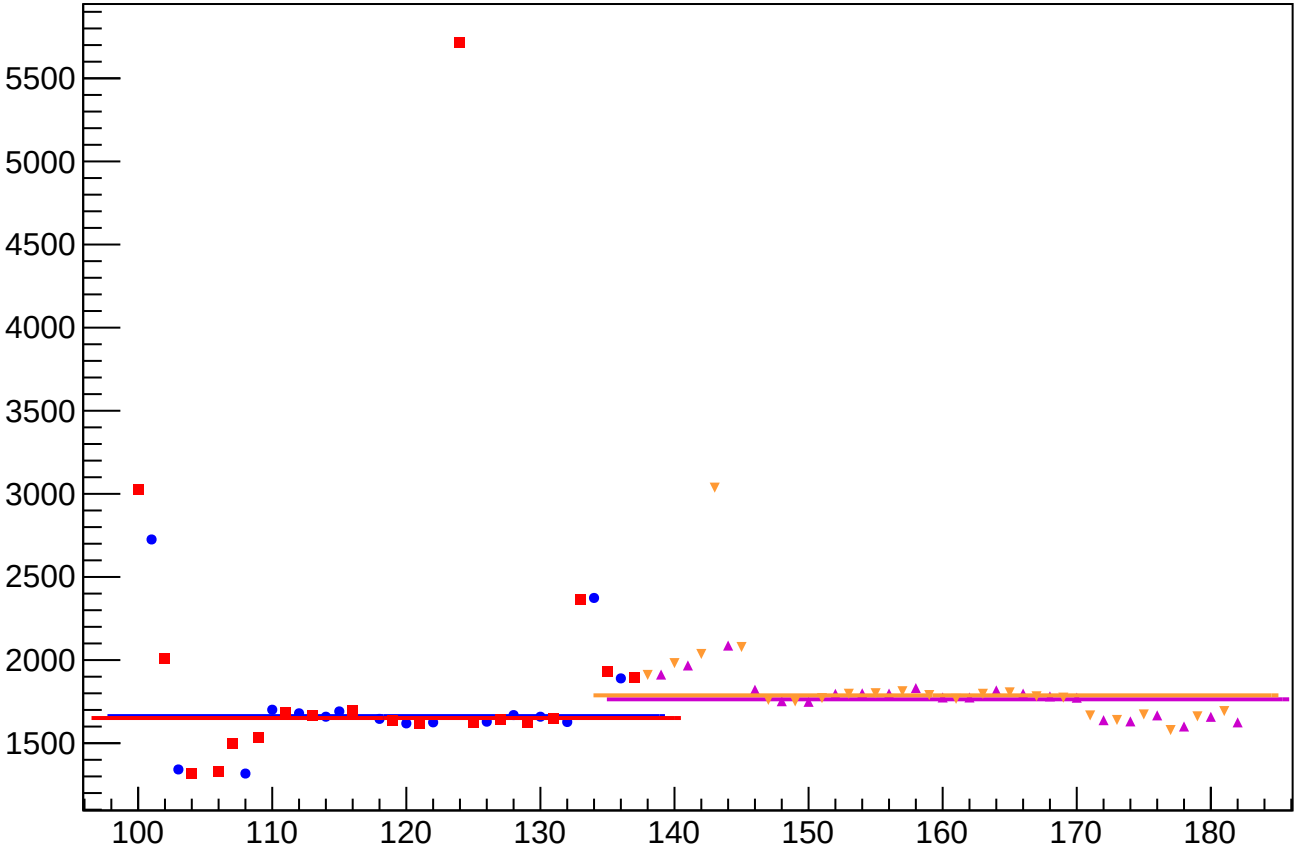
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3065.015+/-346.879 χ^2/NDF:13.3/37

Out: 1216.356+/-348.007 χ^2/NDF:61.3/41

All: 2143.689+/-245.678 χ^2/NDF: 88.8/79

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1787.832+/-0.297 χ^2/NDF:417950.3/22

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1763.964+/-0.294 χ^2/NDF:141336.2/21

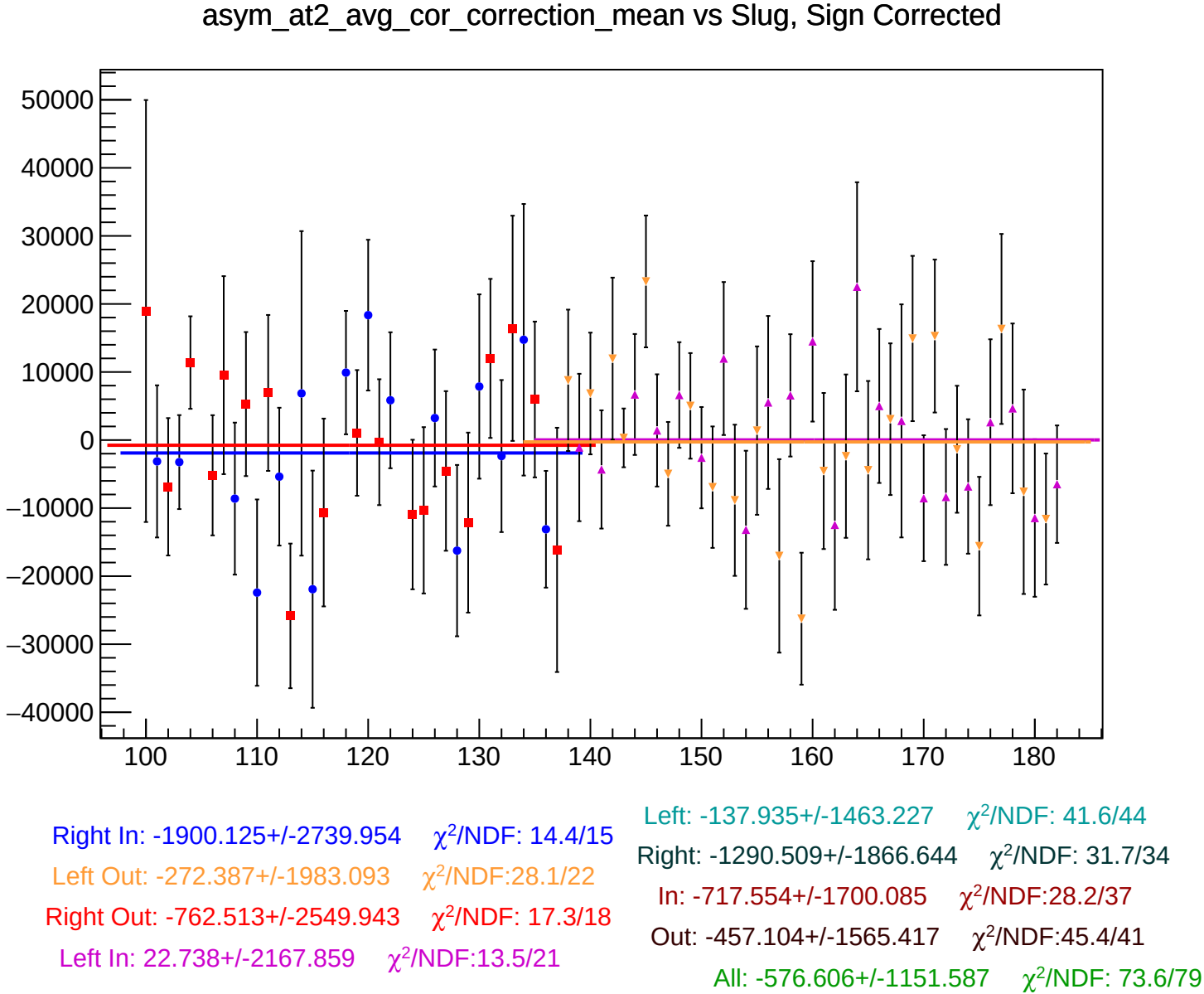
Left: 1775.786+/-0.209 χ^2/NDF: 562545.8/44

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1733.129+/-0.245 χ^2/NDF:592960.8/37

Out: 1745.030+/-0.246 χ^2/NDF:916151.7/41

All: 1739.060+/-0.174 χ^2/NDF: 1510285.6/79


asym_at2_avg_cor_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
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0
−10000
−20000
−30000
−40000
100
110
120
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140
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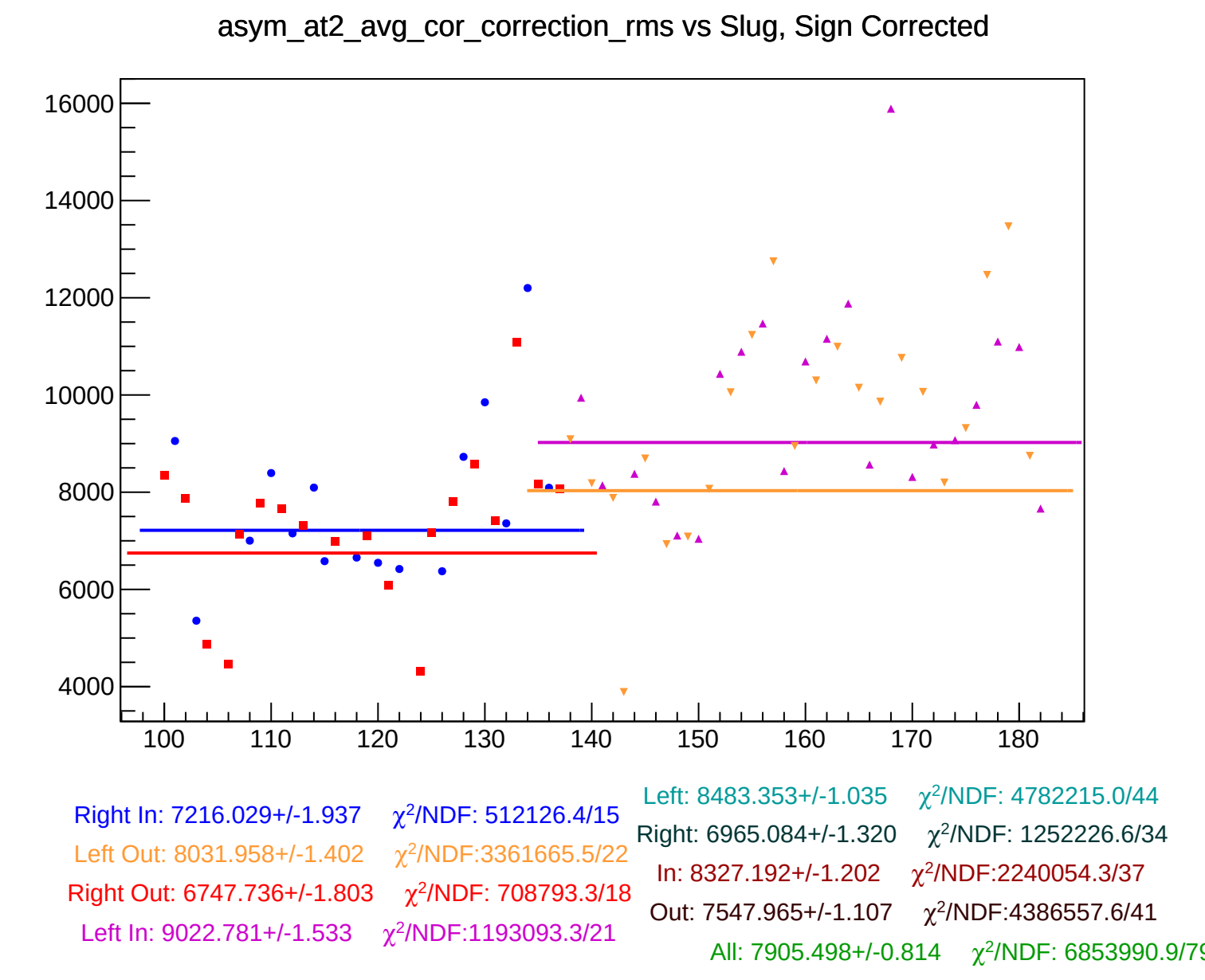
160
170
180
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: -272.387+/-1983.093 χ²/NDF:28.1/22
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 22.738+/-2167.859 χ²/NDF:13.5/21
Left: -137.935+/-1463.227 χ²/NDF: 41.6/44
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: -717.554+/-1700.085 χ²/NDF:28.2/37
Out: -457.104+/-1565.417 χ²/NDF:45.4/41
All: -576.606+/-1151.587 χ²/NDF: 73.6/79


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
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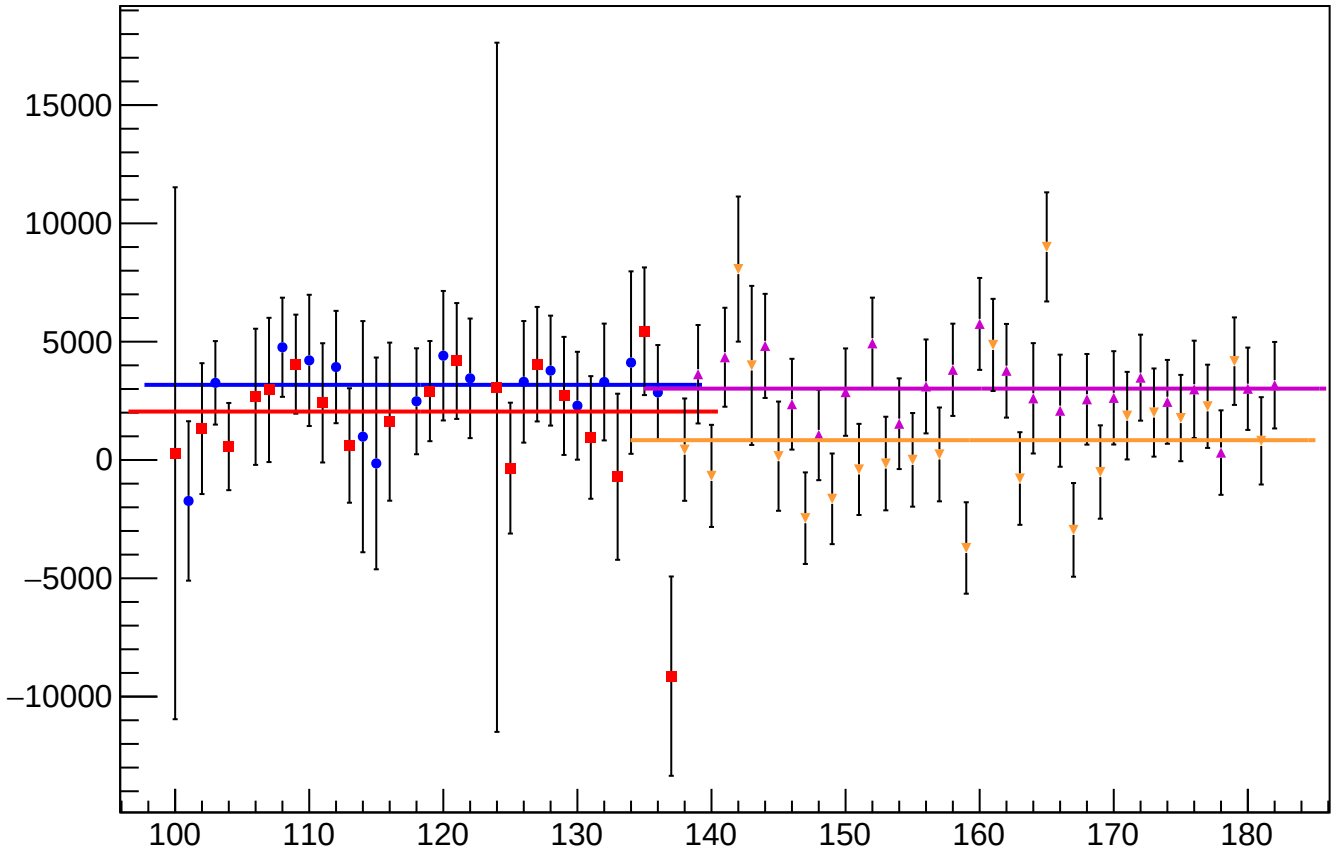
170
180
Right In: 7216.029+/-1.937 χ²/NDF: 512126.4/15
Left Out: 8031.958+/-1.402 χ²/NDF:3361665.5/22
Right Out: 6747.736+/-1.803 χ²/NDF: 708793.3/18
Left In: 9022.781+/-1.533 χ²/NDF:1193093.3/21
Left: 8483.353+/-1.035 χ²/NDF: 4782215.0/44
Right: 6965.084+/-1.320 χ²/NDF: 1252226.6/34
In: 8327.192+/-1.202 χ²/NDF:2240054.3/37
Out: 7547.965+/-1.107 χ²/NDF:4386557.6/41
All: 7905.498+/-0.814 χ²/NDF: 6853990.9/79



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 836.859+/-420.032 χ^2/NDF:44.7/22

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3016.423+/-416.119 χ^2/NDF:9.0/21

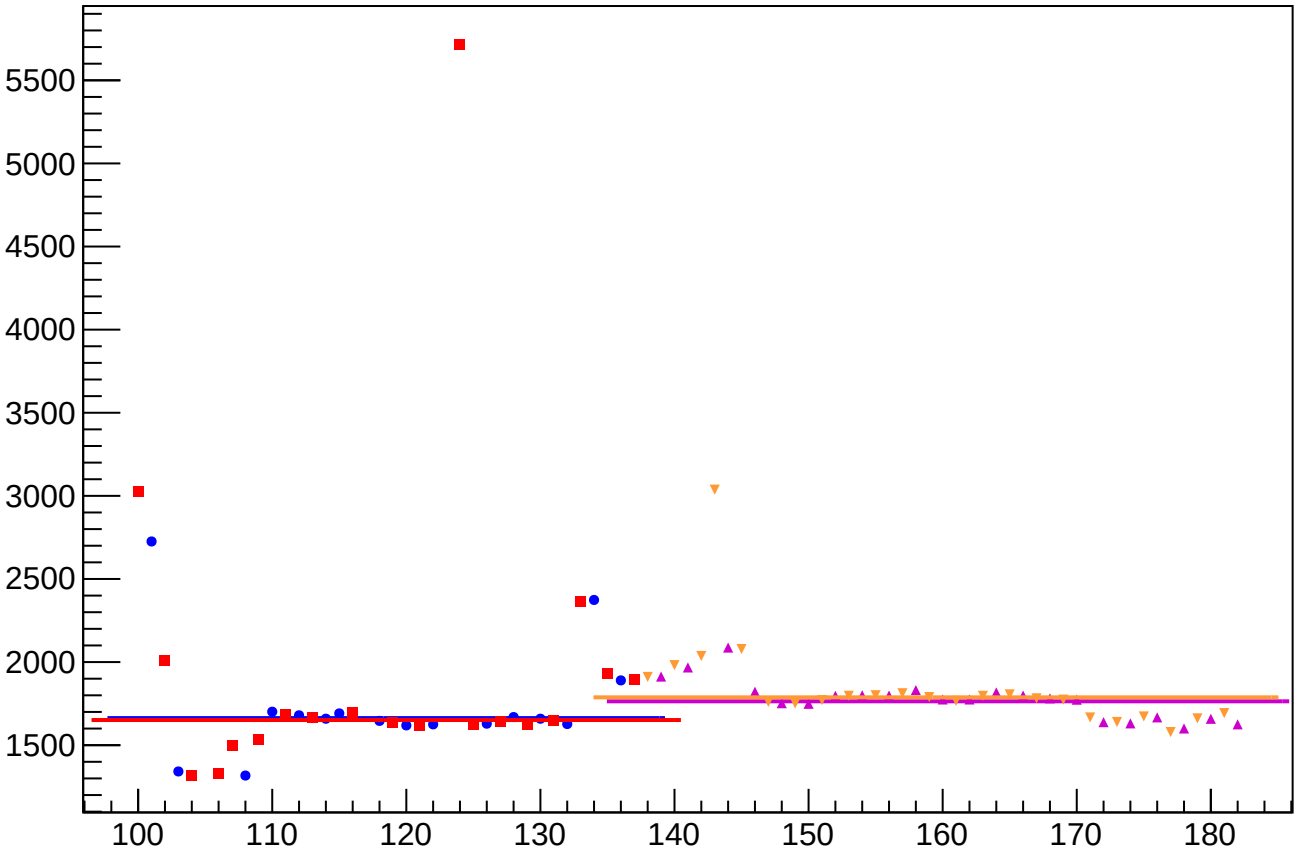
Left: 1936.840+/-295.614 χ^2/NDF: 67.2/44

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3065.015+/-346.879 χ^2/NDF:13.3/37

Out: 1216.356+/-348.007 χ^2/NDF:61.3/41

All: 2143.689+/-245.678 χ^2/NDF: 88.8/79



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1787.832+/-0.297 χ^2/NDF:417950.3/22

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1763.964+/-0.294 χ^2/NDF:141336.2/21

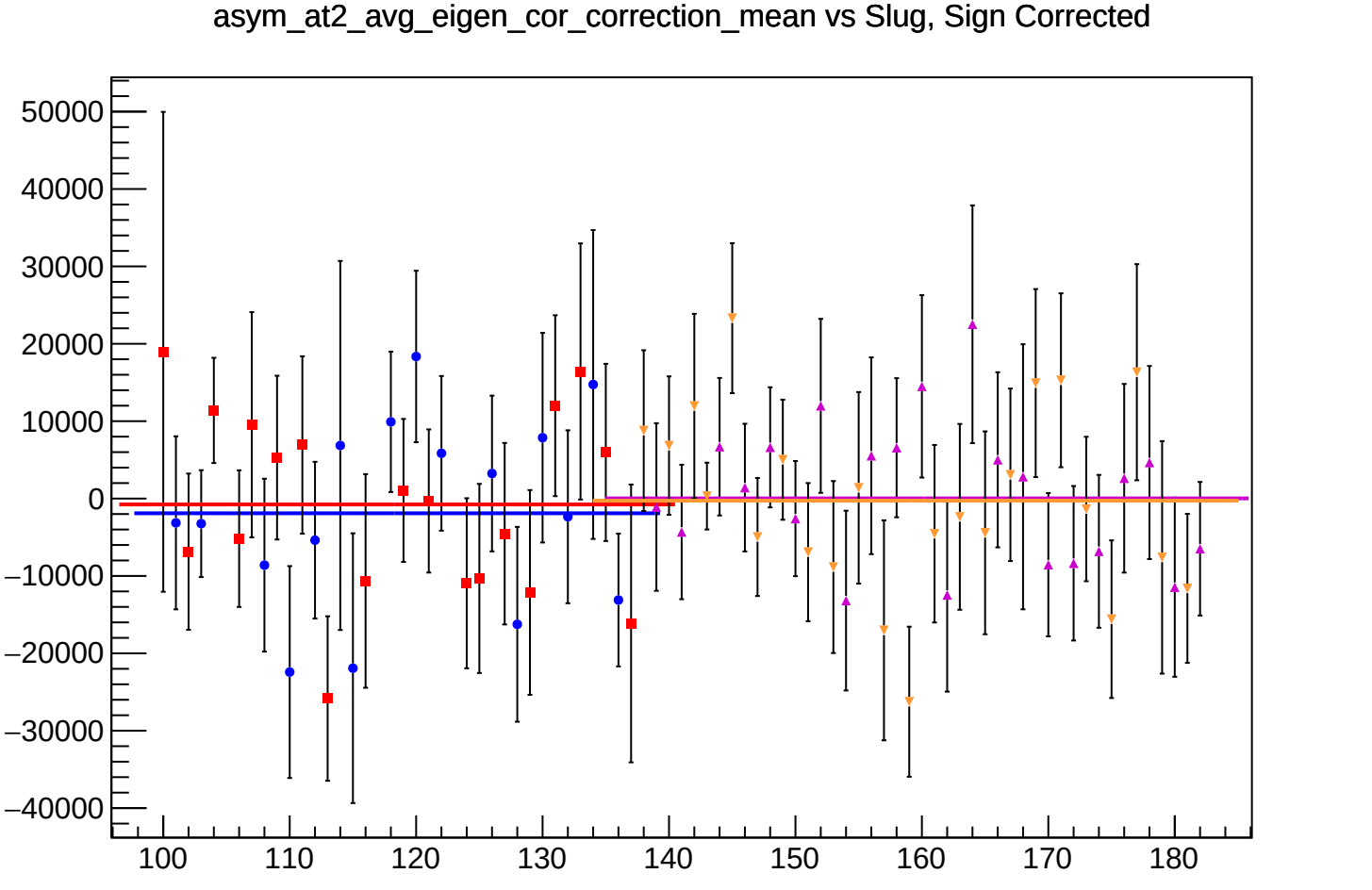
Left: 1775.786+/-0.209 χ^2/NDF: 562545.8/44

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1733.129+/-0.245 χ^2/NDF:592960.8/37

Out: 1745.030+/-0.246 χ^2/NDF:916151.7/41

All: 1739.060+/-0.174 χ^2/NDF: 1510285.6/79


asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
50000
40000
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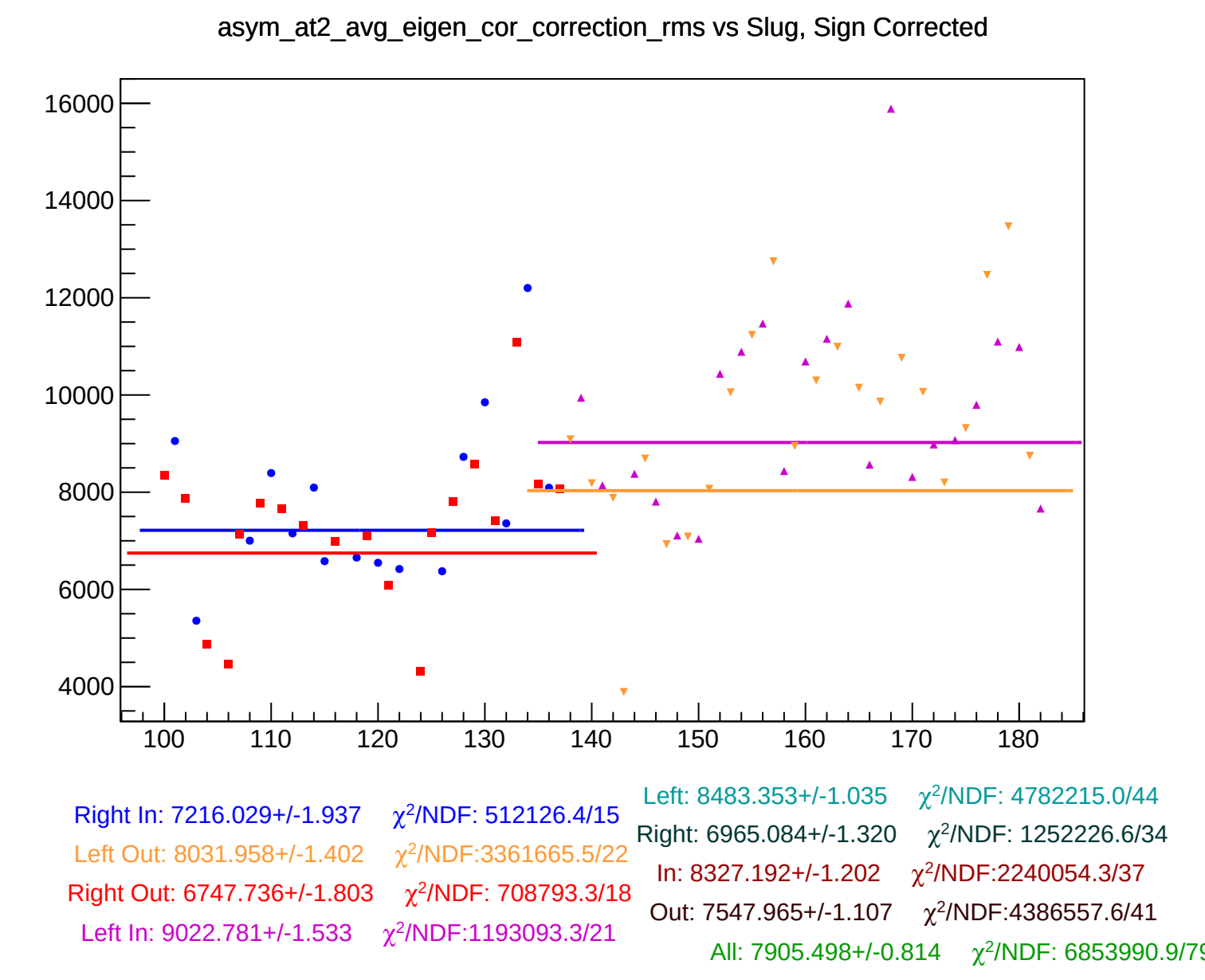
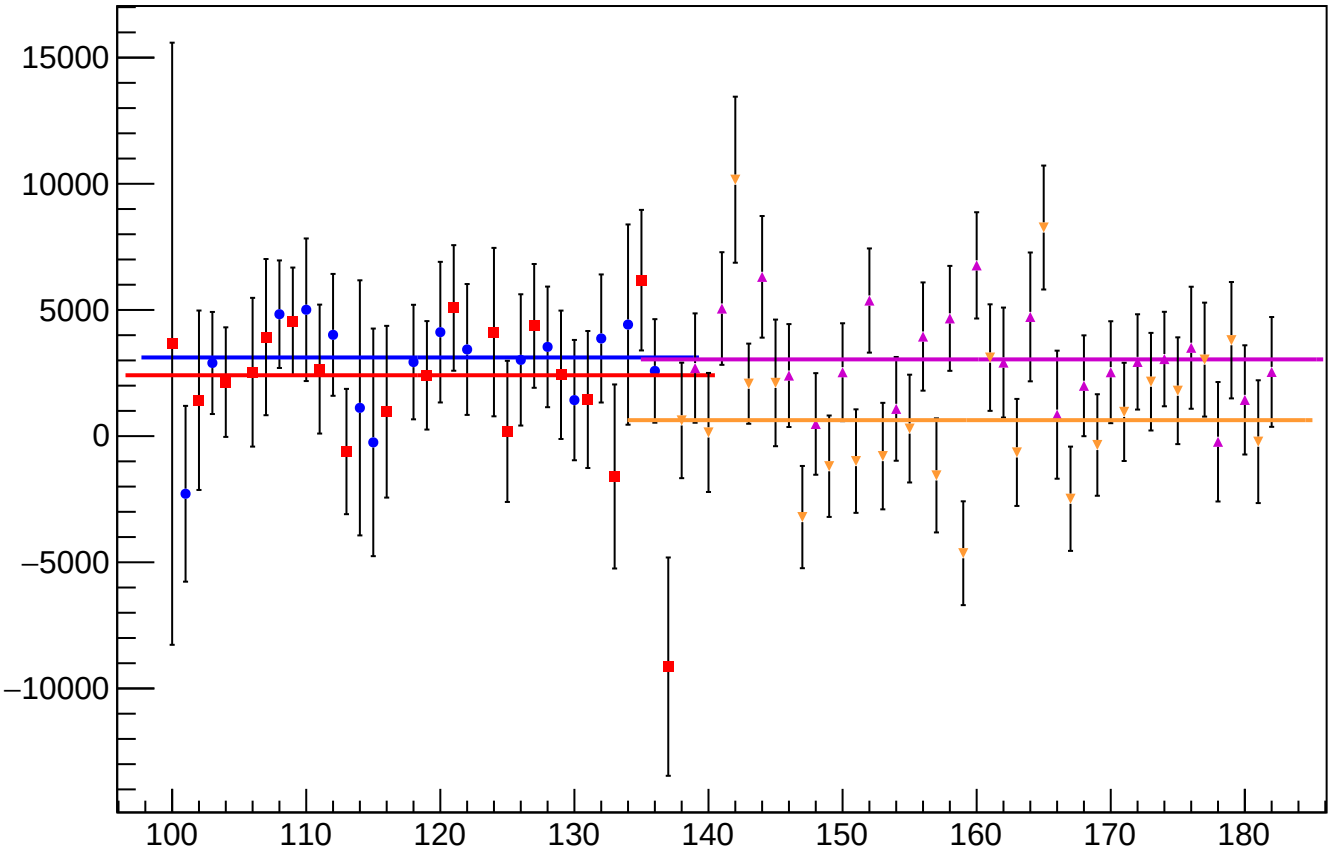
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: -272.387+/-1983.093 χ²/NDF:28.1/22
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 22.738+/-2167.859 χ²/NDF:13.5/21
Left: -137.935+/-1463.227 χ²/NDF: 41.6/44
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: -717.554+/-1700.085 χ²/NDF:28.2/37
Out: -457.104+/-1565.417 χ²/NDF:45.4/41
All: -576.606+/-1151.587 χ²/NDF: 73.6/79


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7216.029+/-1.937 χ²/NDF: 512126.4/15
Left Out: 8031.958+/-1.402 χ²/NDF:3361665.5/22
Right Out: 6747.736+/-1.803 χ²/NDF: 708793.3/18
Left In: 9022.781+/-1.533 χ²/NDF:1193093.3/21
Left: 8483.353+/-1.035 χ²/NDF: 4782215.0/44
Right: 6965.084+/-1.320 χ²/NDF: 1252226.6/34
In: 8327.192+/-1.202 χ²/NDF:2240054.3/37
Out: 7547.965+/-1.107 χ²/NDF:4386557.6/41
All: 7905.498+/-0.814 χ²/NDF: 6853990.9/79



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 632.764+/-446.108 χ^2/NDF:40.6/22

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3041.004+/-454.593 χ^2/NDF:14.6/21

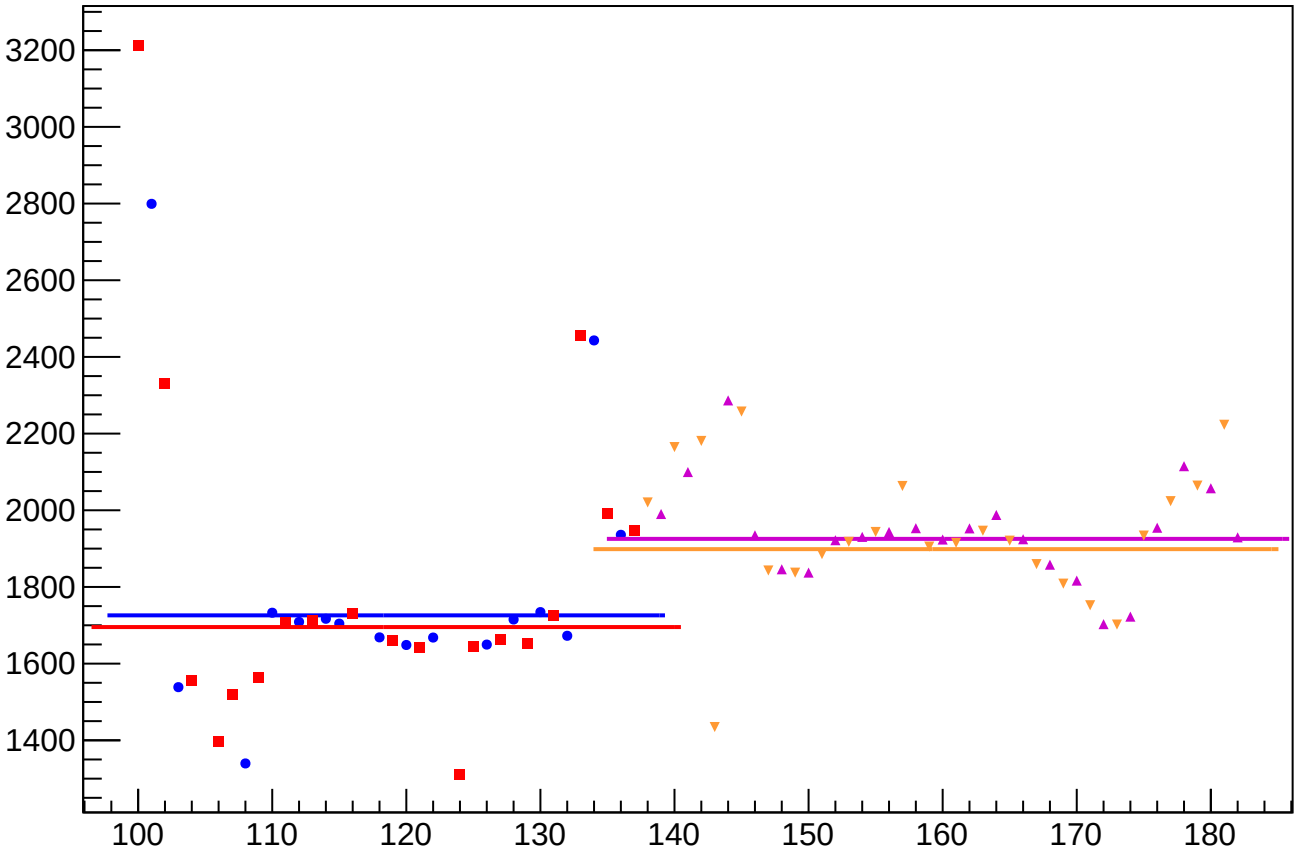
Left: 1814.197+/-318.403 χ^2/NDF: 69.6/44

Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3066.196+/-372.737 χ^2/NDF:20.0/37

Out: 1215.920+/-365.789 χ^2/NDF:61.9/41

All: 2123.653+/-261.074 χ^2/NDF: 94.4/79



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1898.625+/-0.315 χ^2/NDF:363319.6/22

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1925.413+/-0.321 χ^2/NDF:148050.8/21

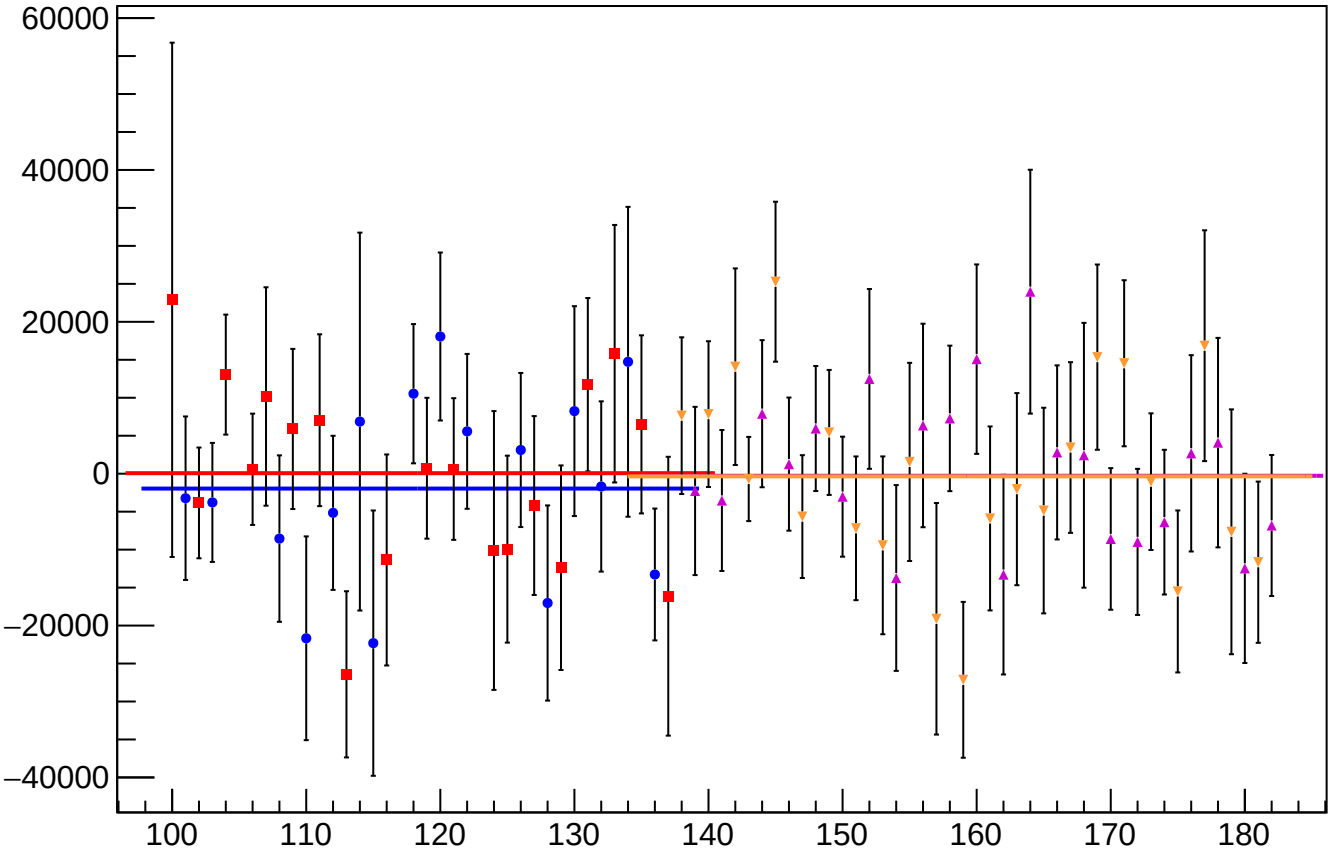
Left: 1911.767+/-0.225 χ^2/NDF: 514908.2/44

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1860.035+/-0.264 χ^2/NDF:639920.4/37

Out: 1831.997+/-0.259 χ^2/NDF:785027.5/41

All: 1845.751+/-0.185 χ^2/NDF: 1430713.4/79



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -354.044+/-2153.349 χ^2/NDF:27.5/22

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: -274.563+/-2269.989 χ^2/NDF:13.3/21

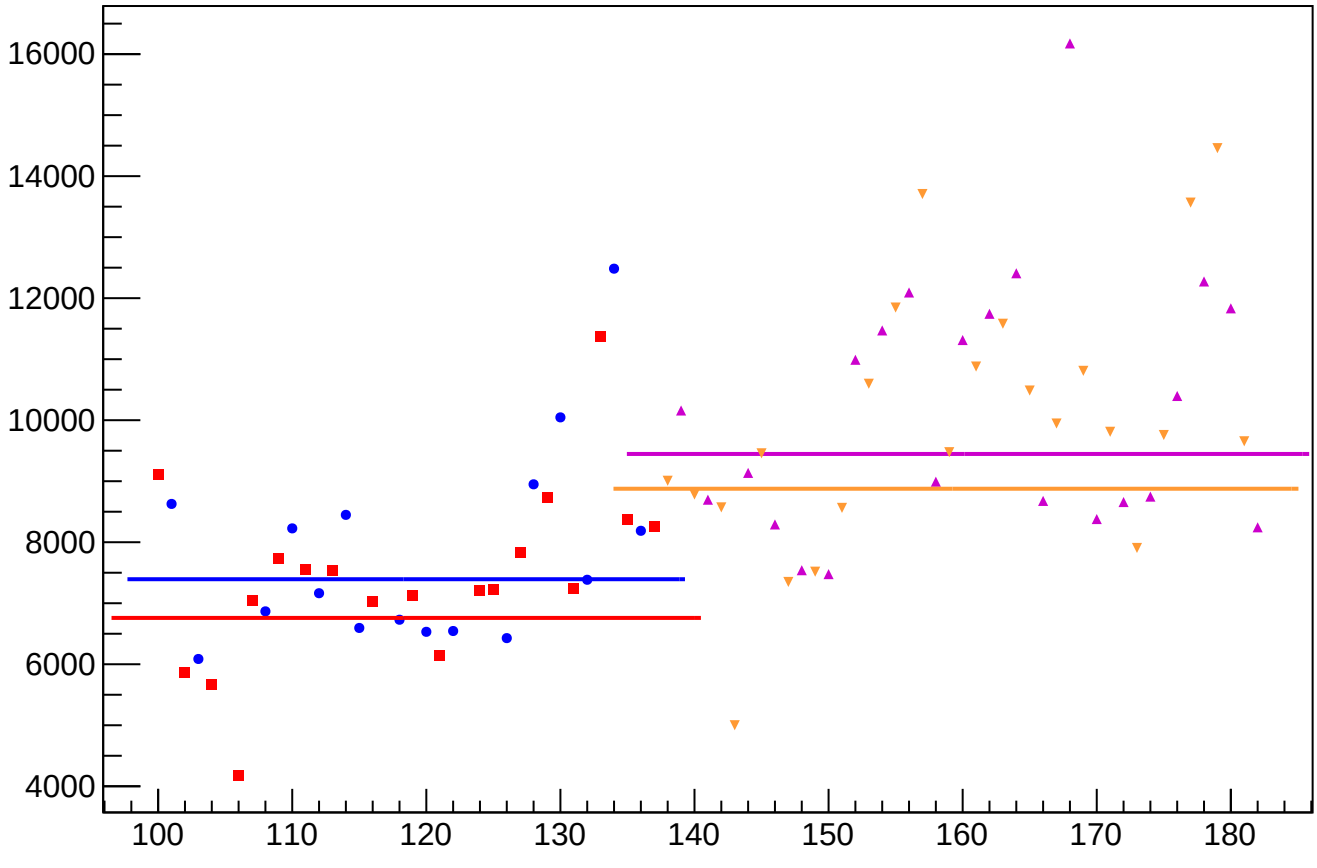
Left: -316.398+/-1562.256 χ^2/NDF: 40.8/44

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -942.908+/-1762.891 χ^2/NDF:27.9/37

Out: -176.642+/-1639.681 χ^2/NDF:43.6/41

All: -532.064+/-1200.627 χ^2/NDF: 71.7/79



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8876.725+/-1.523 χ^2/NDF:2203131.3/22

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9446.755+/-1.605 χ^2/NDF:1193646.3/21

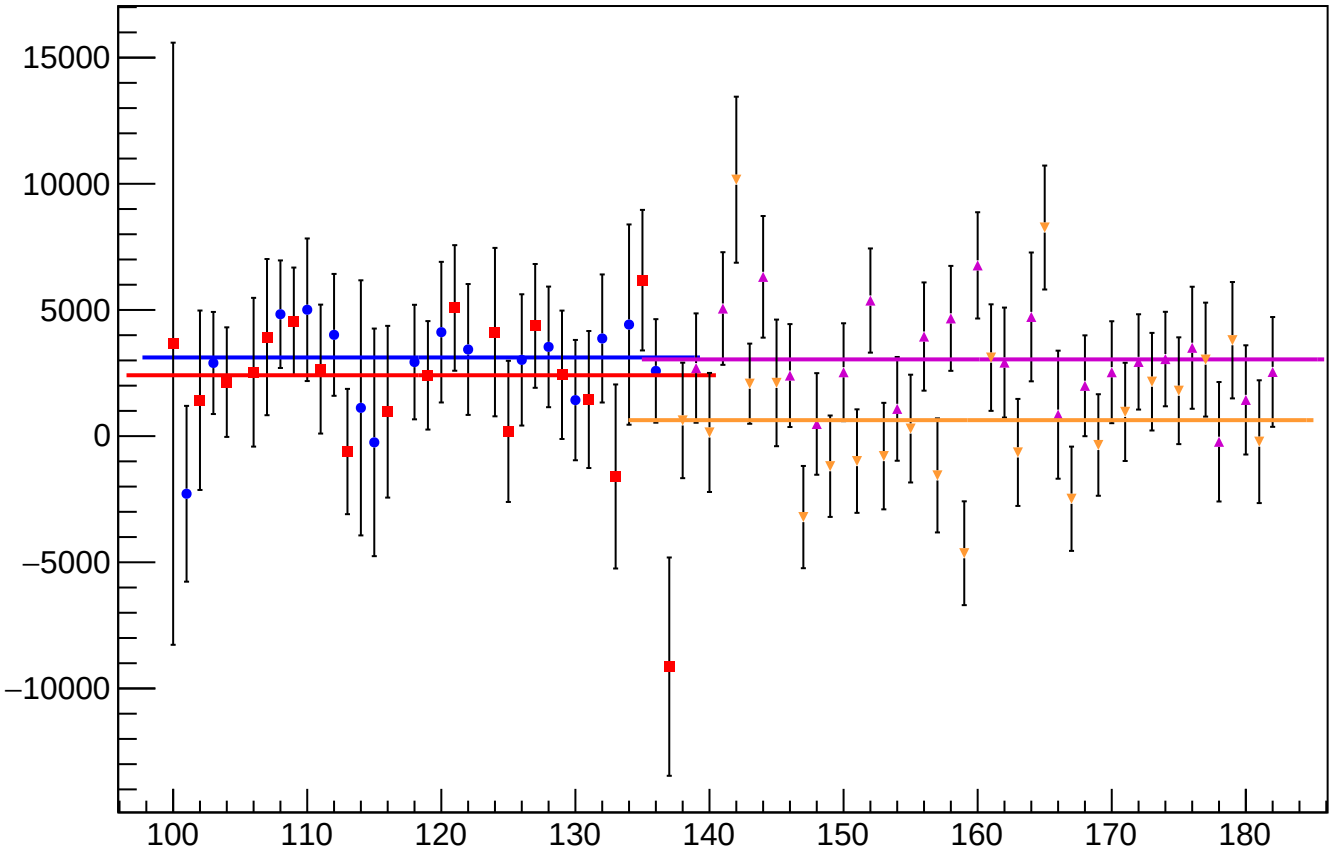
Left: 9146.720+/-1.105 χ^2/NDF: 3463160.1/44

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8631.907+/-1.247 χ^2/NDF:2244819.4/37

Out: 7987.070+/-1.159 χ^2/NDF:3659888.0/41

All: 8286.169+/-0.849 χ^2/NDF: 6048182.5/79



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 632.753+/-446.108 χ^2/NDF:40.6/22

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3041.006+/-454.594 χ^2/NDF:14.6/21

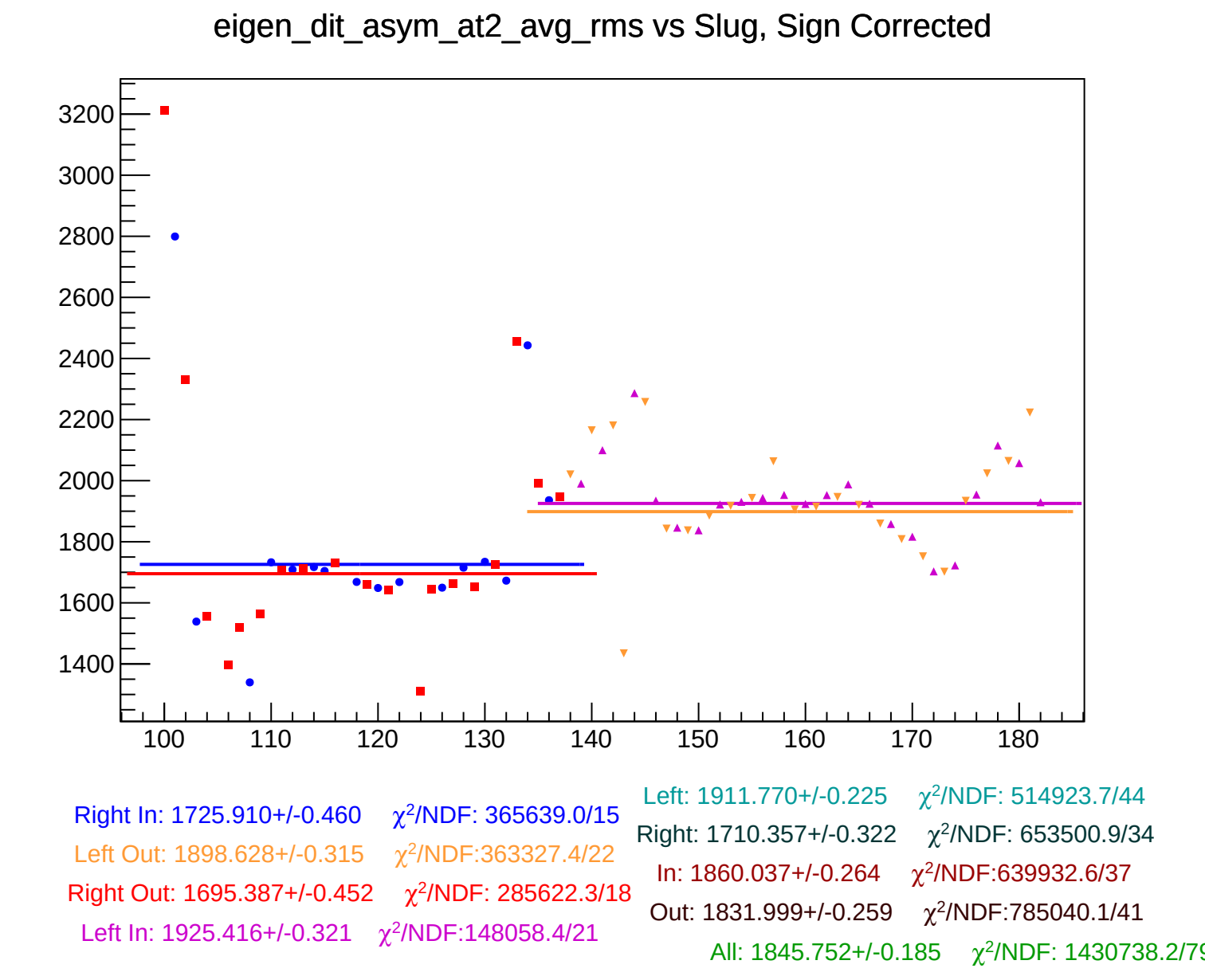
Left: 1814.193+/-318.404 χ^2/NDF: 69.6/44

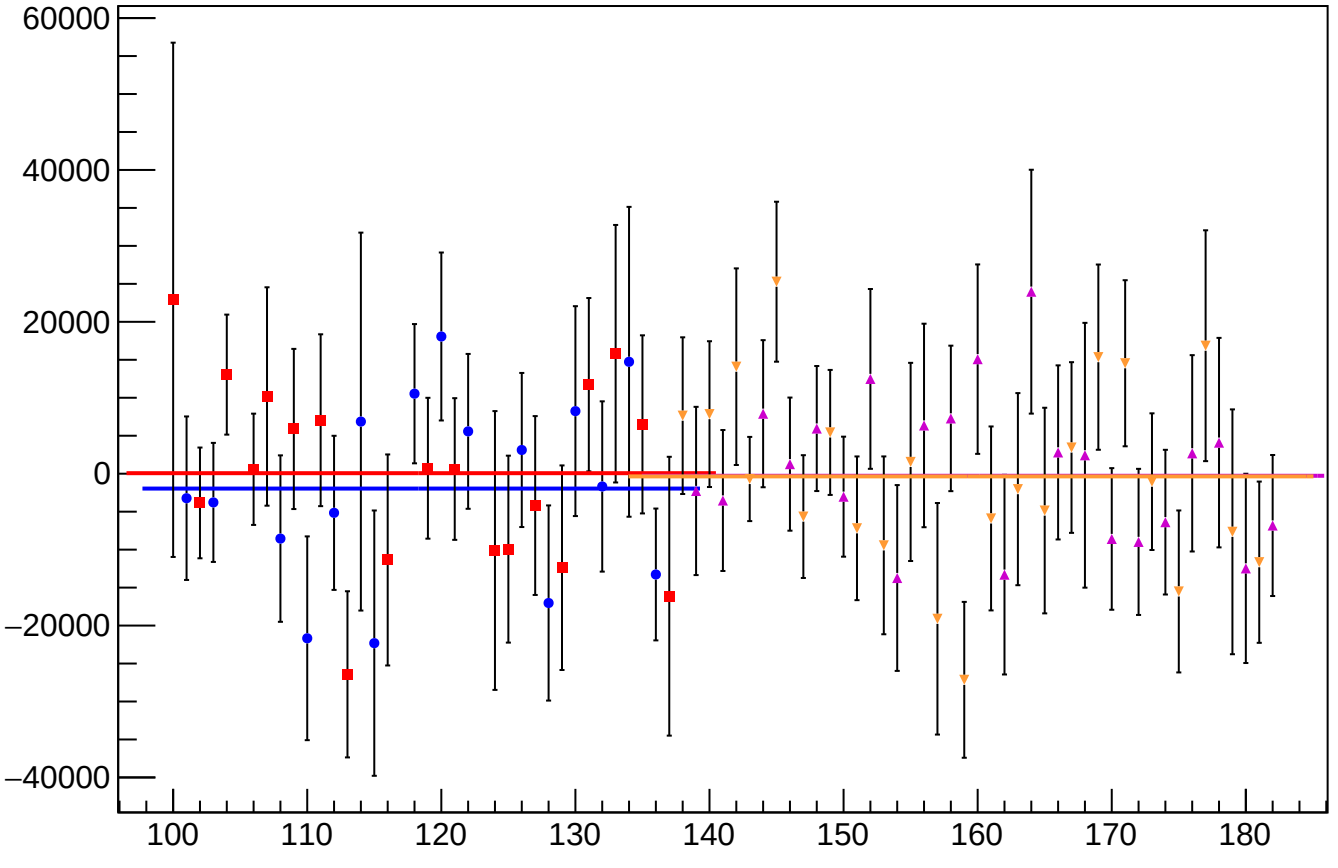
Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3066.199+/-372.737 χ^2/NDF:20.0/37

Out: 1215.917+/-365.790 χ^2/NDF:61.9/41

All: 2123.653+/-261.074 χ^2/NDF: 94.4/79


eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
170
180
Right In: 1725.910+/-0.460 χ²/NDF: 365639.0/15
Left Out: 1898.628+/-0.315 χ²/NDF:363327.4/22
Right Out: 1695.387+/-0.452 χ²/NDF: 285622.3/18
Left In: 1925.416+/-0.321 χ²/NDF:148058.4/21
Left: 1911.770+/-0.225 χ²/NDF: 514923.7/44
Right: 1710.357+/-0.322 χ²/NDF: 653500.9/34
In: 1860.037+/-0.264 χ²/NDF:639932.6/37
Out: 1831.999+/-0.259 χ²/NDF:785040.1/41
All: 1845.752+/-0.185 χ²/NDF: 1430738.2/79



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -354.051+/-2153.353 χ^2/NDF:27.5/22

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: -274.565+/-2269.993 χ^2/NDF:13.3/21

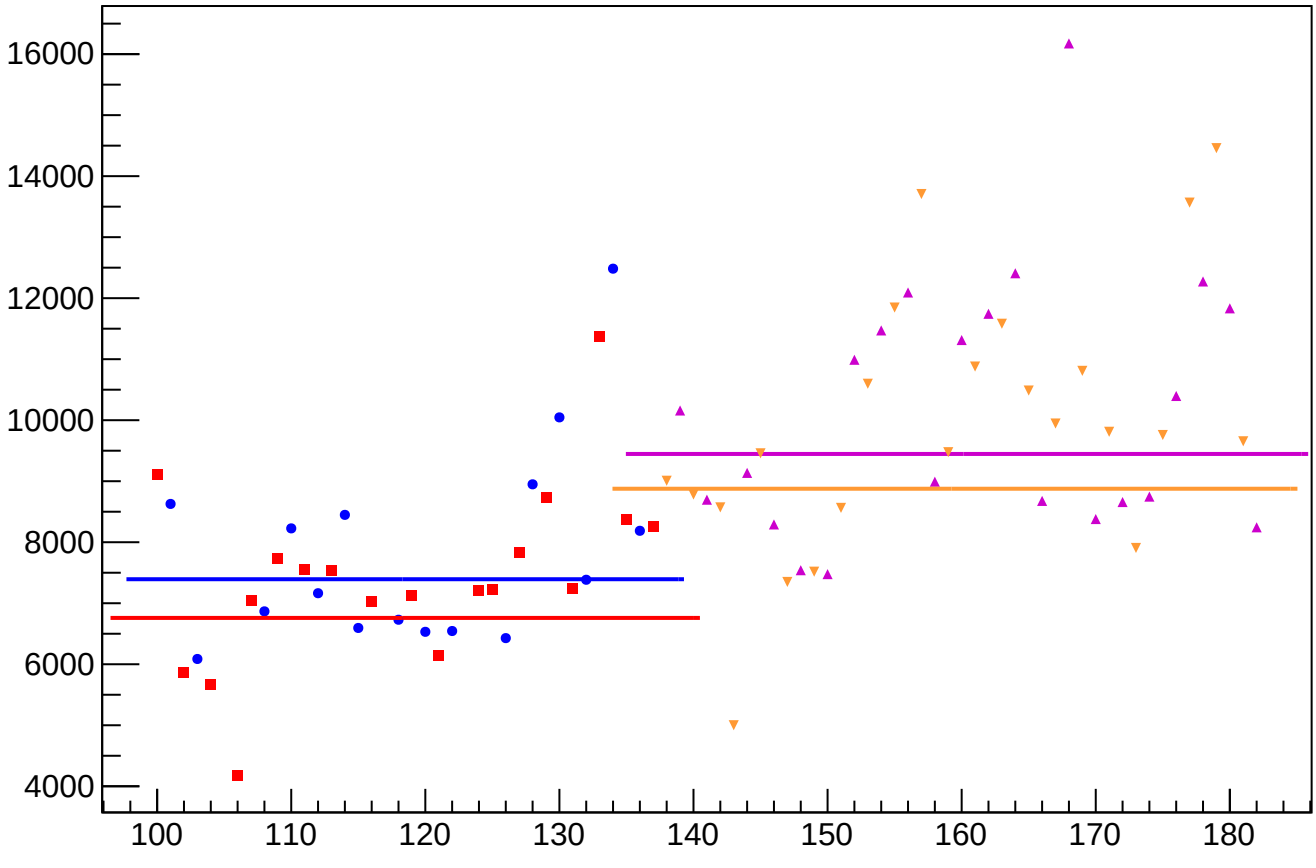
Left: -316.402+/-1562.258 χ^2/NDF: 40.8/44

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -942.904+/-1762.891 χ^2/NDF:27.9/37

Out: -176.642+/-1639.681 χ^2/NDF:43.6/41

All: -532.063+/-1200.627 χ^2/NDF: 71.7/79



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8876.740+/-1.523 χ^2/NDF:2203132.8/22

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9446.770+/-1.605 χ^2/NDF:1193650.4/21

Left: 9146.734+/-1.105 χ^2/NDF: 3463165.4/44

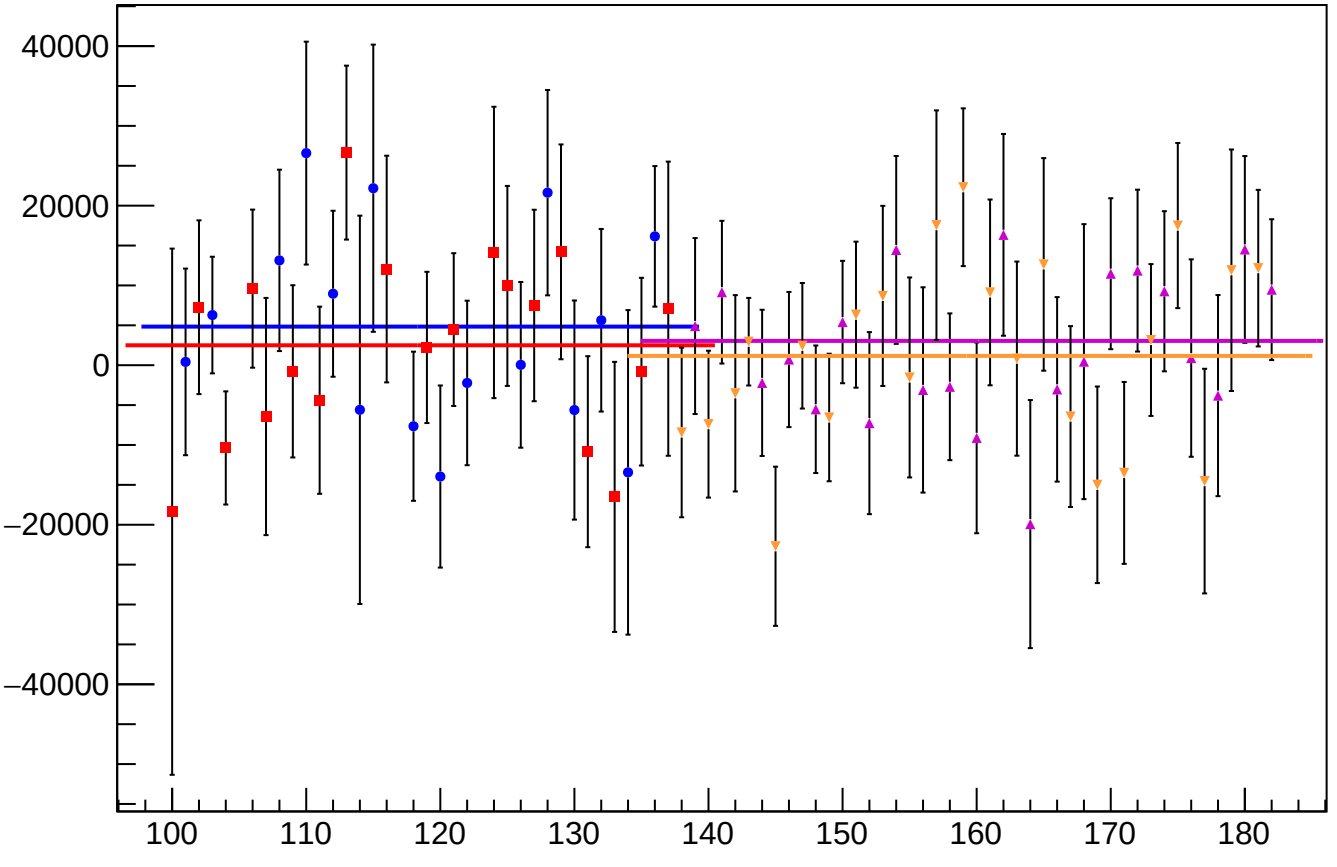
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8631.905+/-1.247 χ^2/NDF:2244846.6/37

Out: 7987.068+/-1.159 χ^2/NDF:3659911.3/41

All: 8286.167+/-0.849 χ^2/NDF: 6048232.8/79

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 1165.572+/-2106.015 χ^2/NDF:25.9/22

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 3045.481+/-2214.365 χ^2/NDF:12.9/21

Left: 2058.411+/-1526.045 χ^2/NDF: 39.1/44

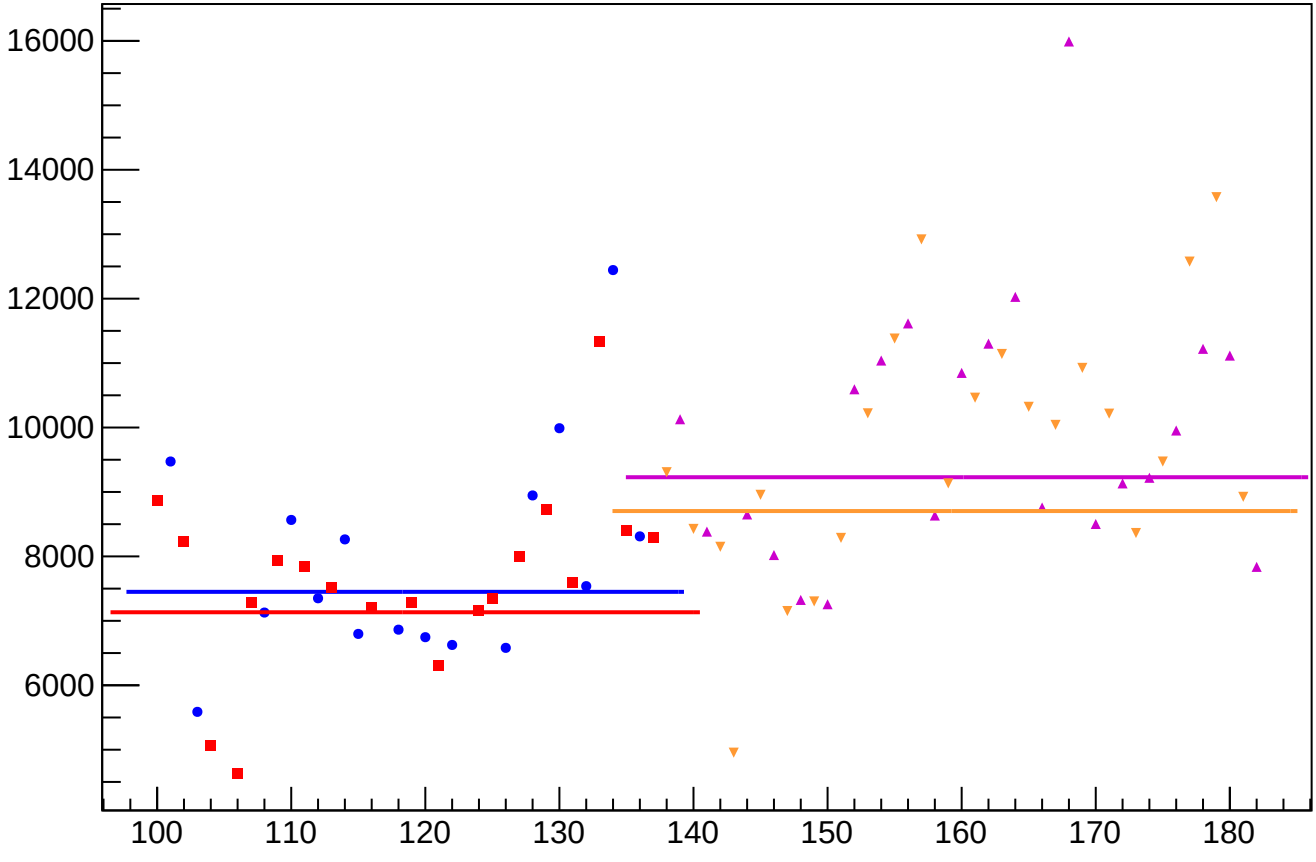
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3726.440+/-1743.695 χ^2/NDF:27.5/37

Out: 1669.808+/-1659.552 χ^2/NDF:40.9/41

All: 2647.306+/-1202.127 χ^2/NDF: 69.1/79

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8703.680+/-1.489 χ^2/NDF:2048950.5/22

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9228.823+/-1.566 χ^2/NDF:1115094.1/21

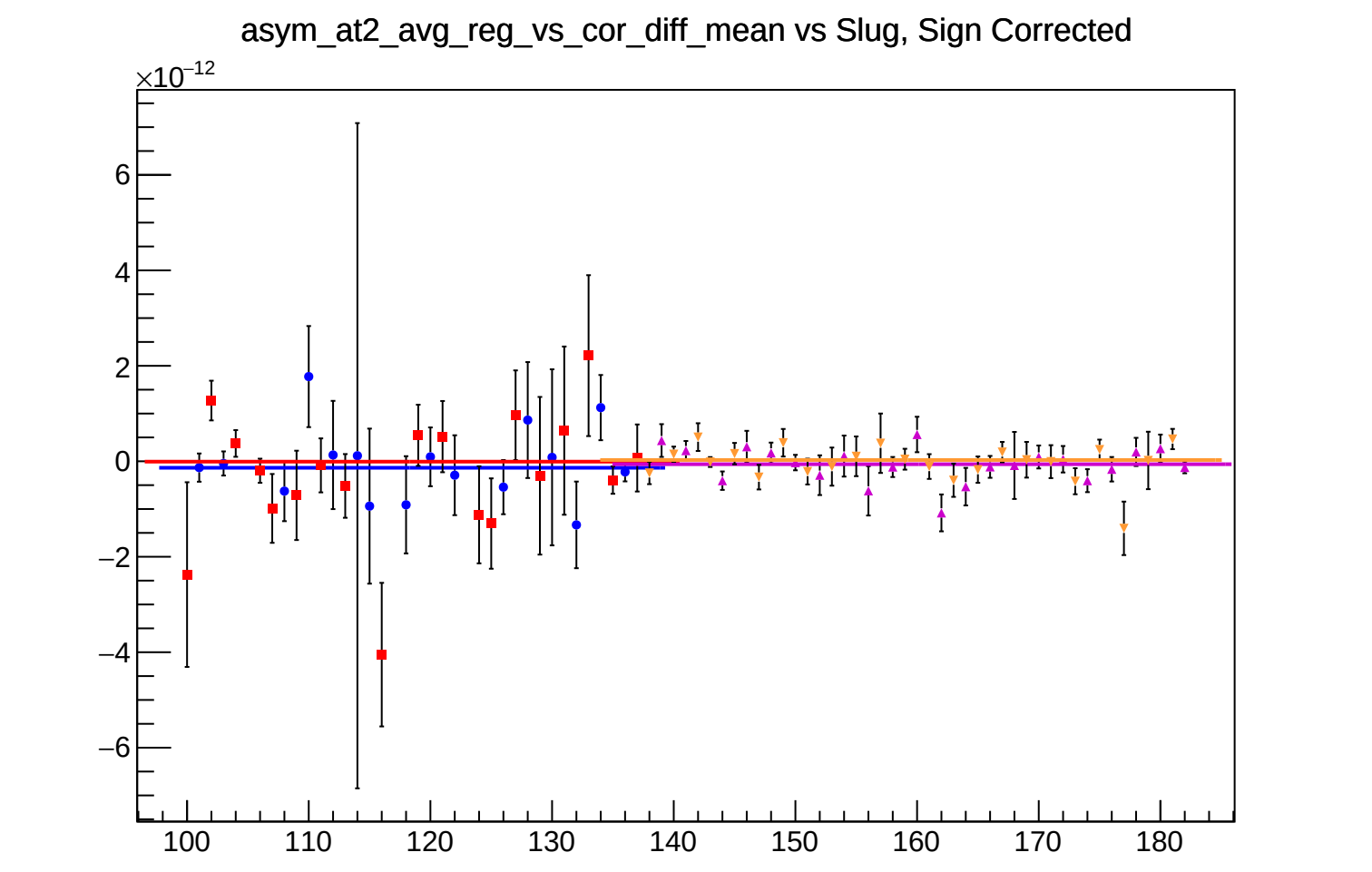
Left: 8953.090+/-1.079 χ^2/NDF: 3223105.4/44

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8552.987+/-1.233 χ^2/NDF:2091875.6/37

Out: 8108.310+/-1.173 χ^2/NDF:3027591.2/41

All: 8319.656+/-0.850 χ^2/NDF: 5187718.0/79



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/22

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:27.8/21

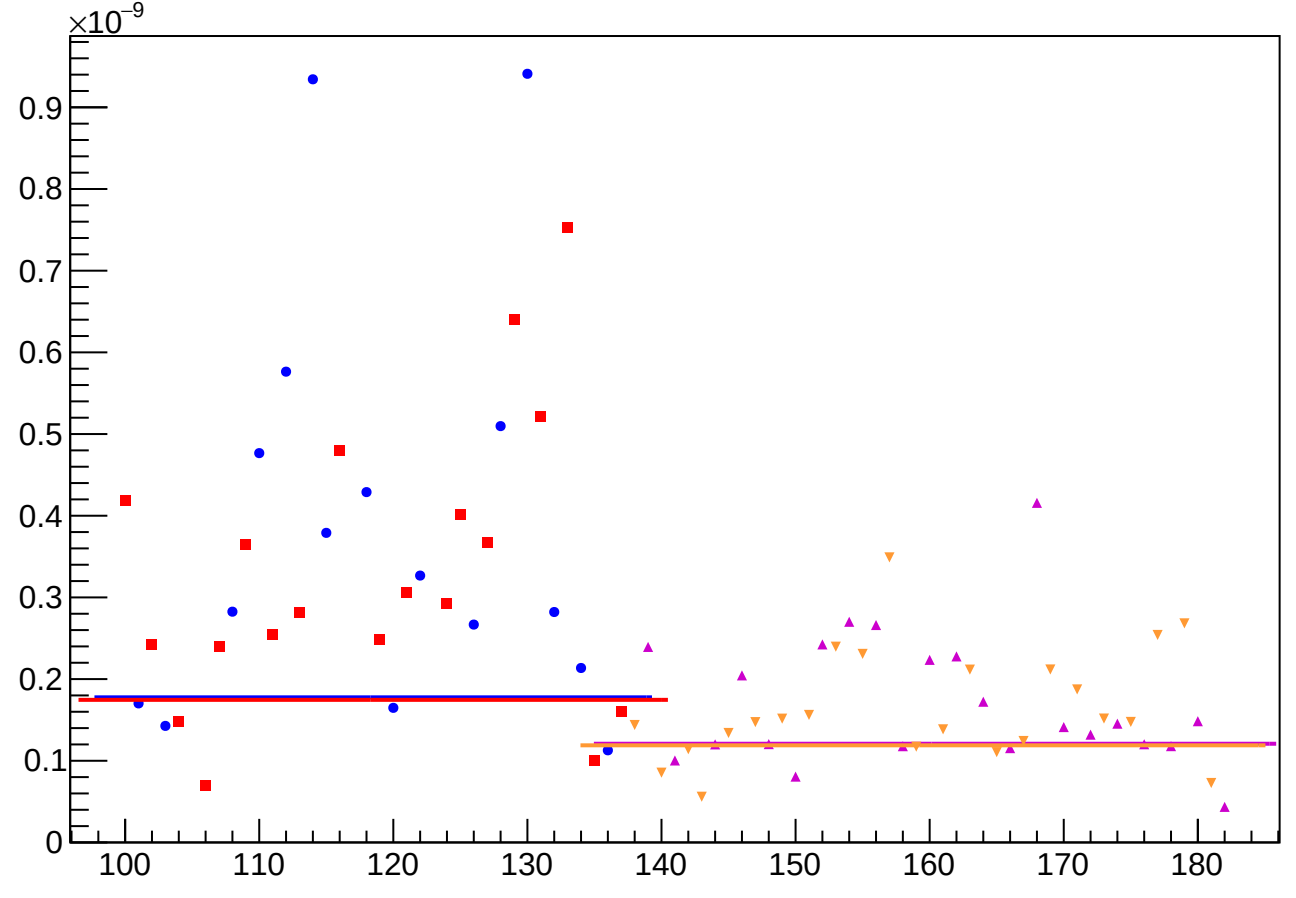
Left: -0.000+/-0.000 χ^2/NDF: 56.7/44

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:39.7/37

Out: 0.000+/-0.000 χ^2/NDF:60.3/41

All: -0.000+/-0.000 χ^2/NDF: 102.0/79



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2310429.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2628559.9/21

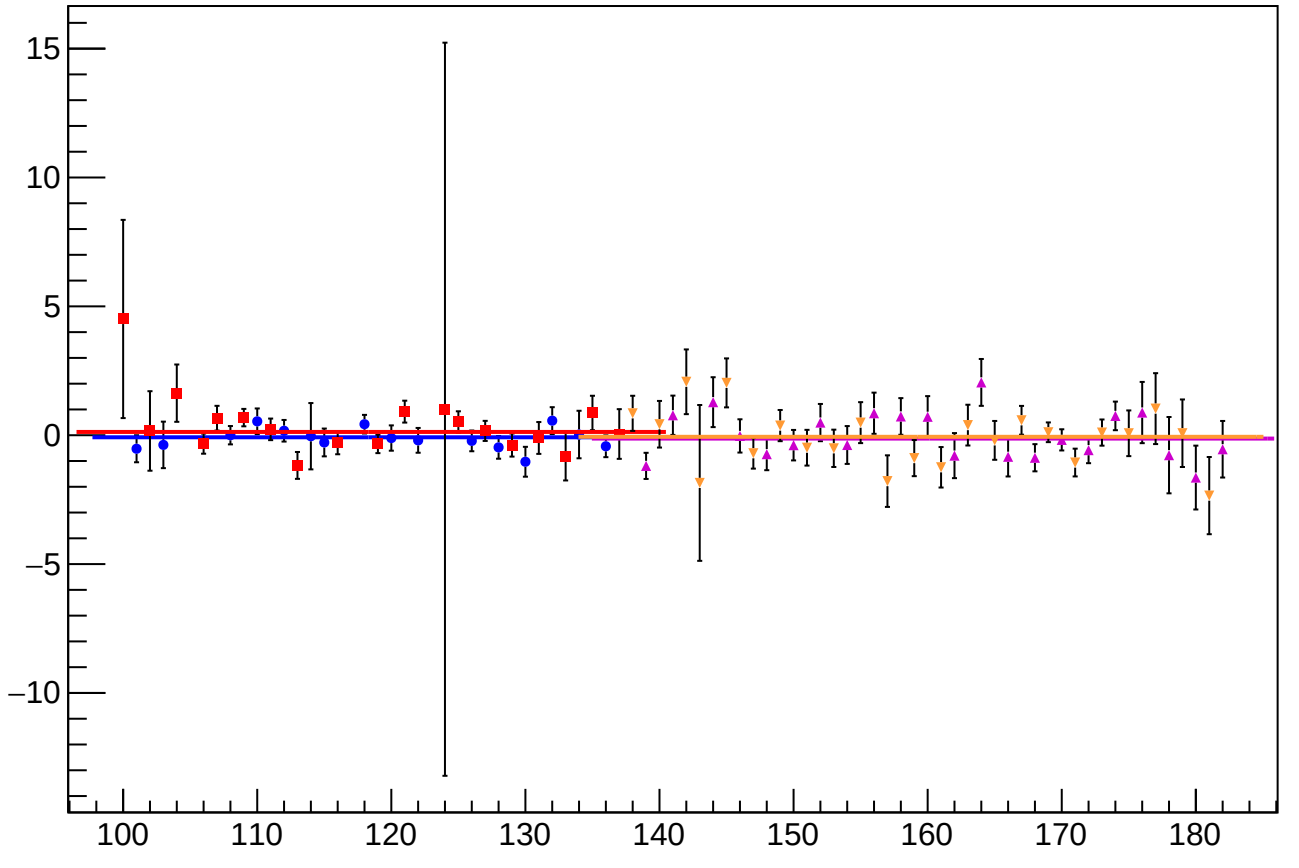
Left: 0.000+/-0.000 χ^2/NDF: 4940392.0/44

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:4535172.1/37

Out: 0.000+/-0.000 χ^2/NDF:4302917.9/41

All: 0.000+/-0.000 χ^2/NDF: 8842640.3/79



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.062+/-0.150 χ^2/NDF:28.1/22

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.130+/-0.146 χ^2/NDF:29.0/21

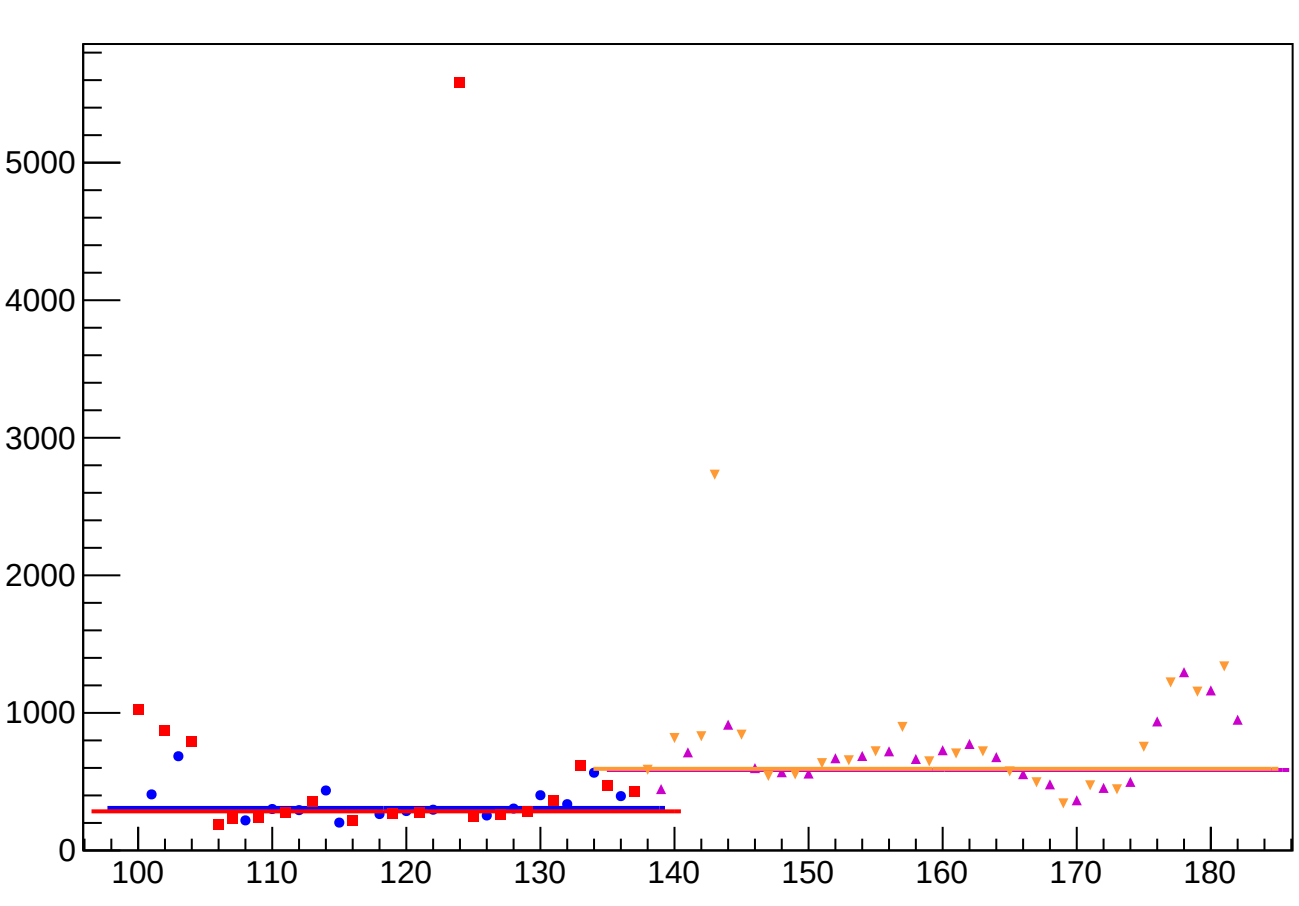
Left: -0.097+/-0.105 χ^2/NDF: 57.2/44

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.101+/-0.094 χ^2/NDF:39.8/37

Out: 0.056+/-0.092 χ^2/NDF:54.3/41

All: -0.021+/-0.066 χ^2/NDF: 95.6/79



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 593.396+/-0.106 χ^2/NDF:4258638.2/22

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 584.968+/-0.103 χ^2/NDF:2904579.1/21

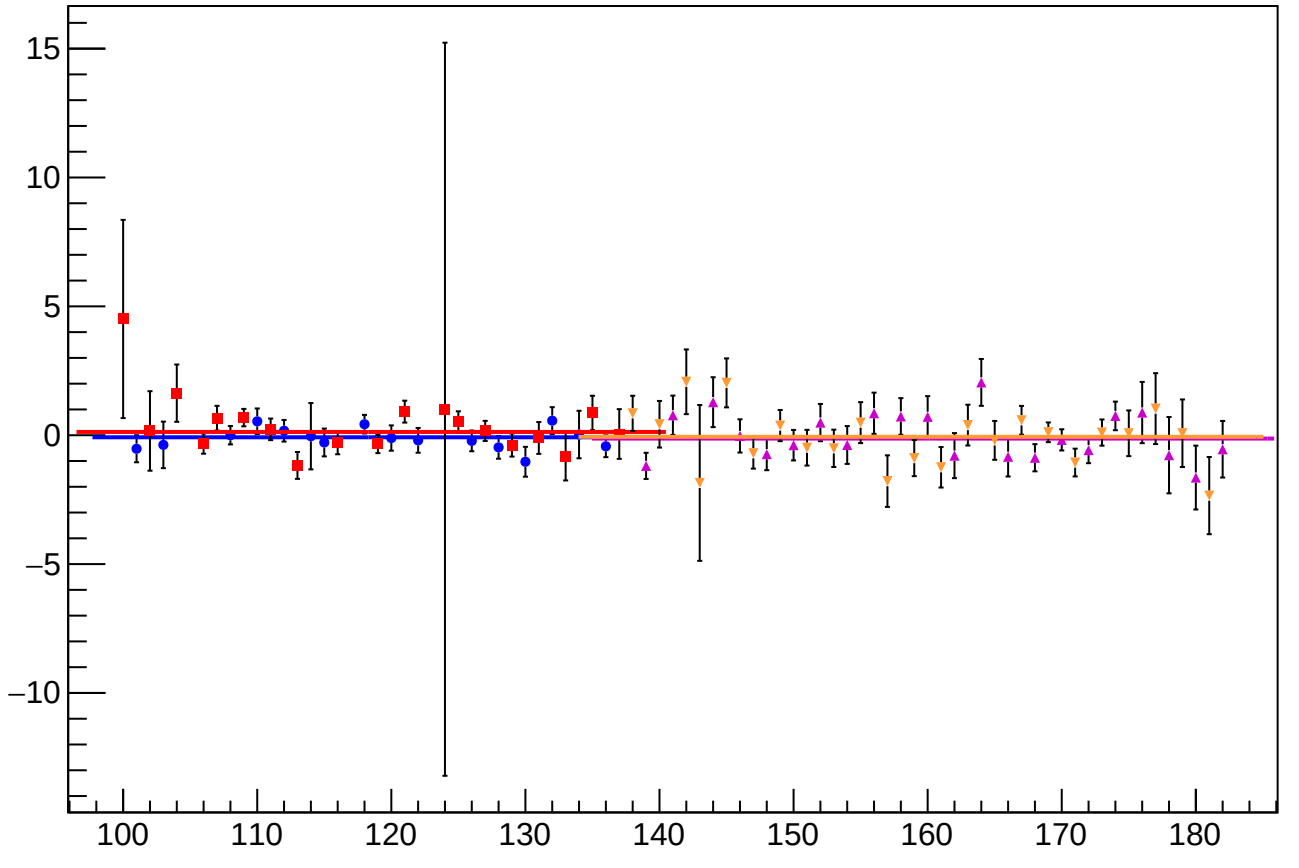
Left: 589.073+/-0.074 χ^2/NDF: 7166464.3/44

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 422.391+/-0.066 χ^2/NDF:8128346.3/37

Out: 401.210+/-0.065 χ^2/NDF:11409731.2/41

All: 411.642+/-0.046 χ^2/NDF: 19590100.2/79



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.062+/-0.150 χ^2/NDF:28.1/22

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.130+/-0.146 χ^2/NDF:29.0/21

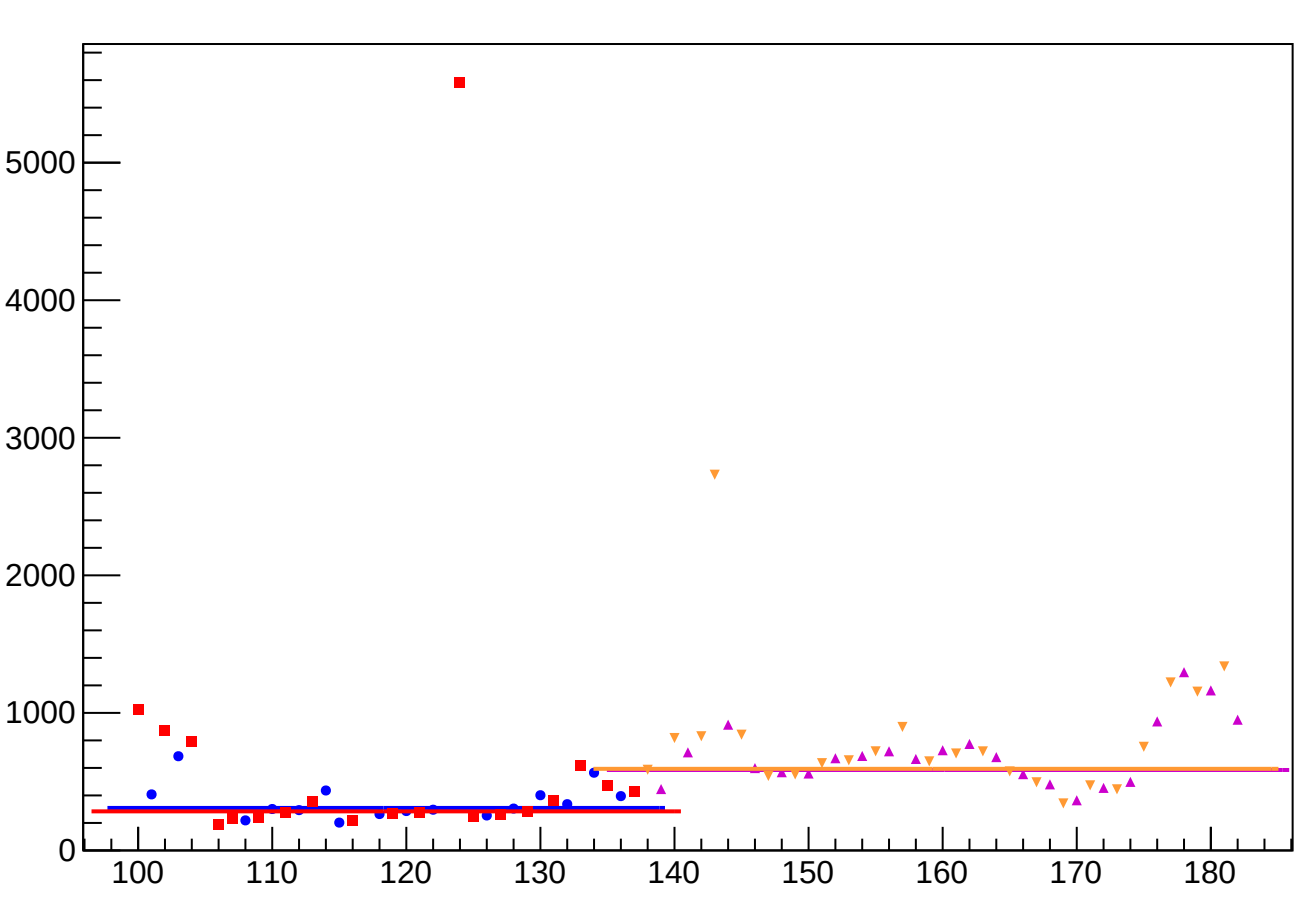
Left: -0.097+/-0.105 χ^2/NDF: 57.2/44

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.101+/-0.094 χ^2/NDF:39.8/37

Out: 0.056+/-0.092 χ^2/NDF:54.3/41

All: -0.021+/-0.066 χ^2/NDF: 95.6/79



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 593.396+/-0.106 χ^2/NDF:4258638.2/22

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 584.968+/-0.103 χ^2/NDF:2904579.1/21

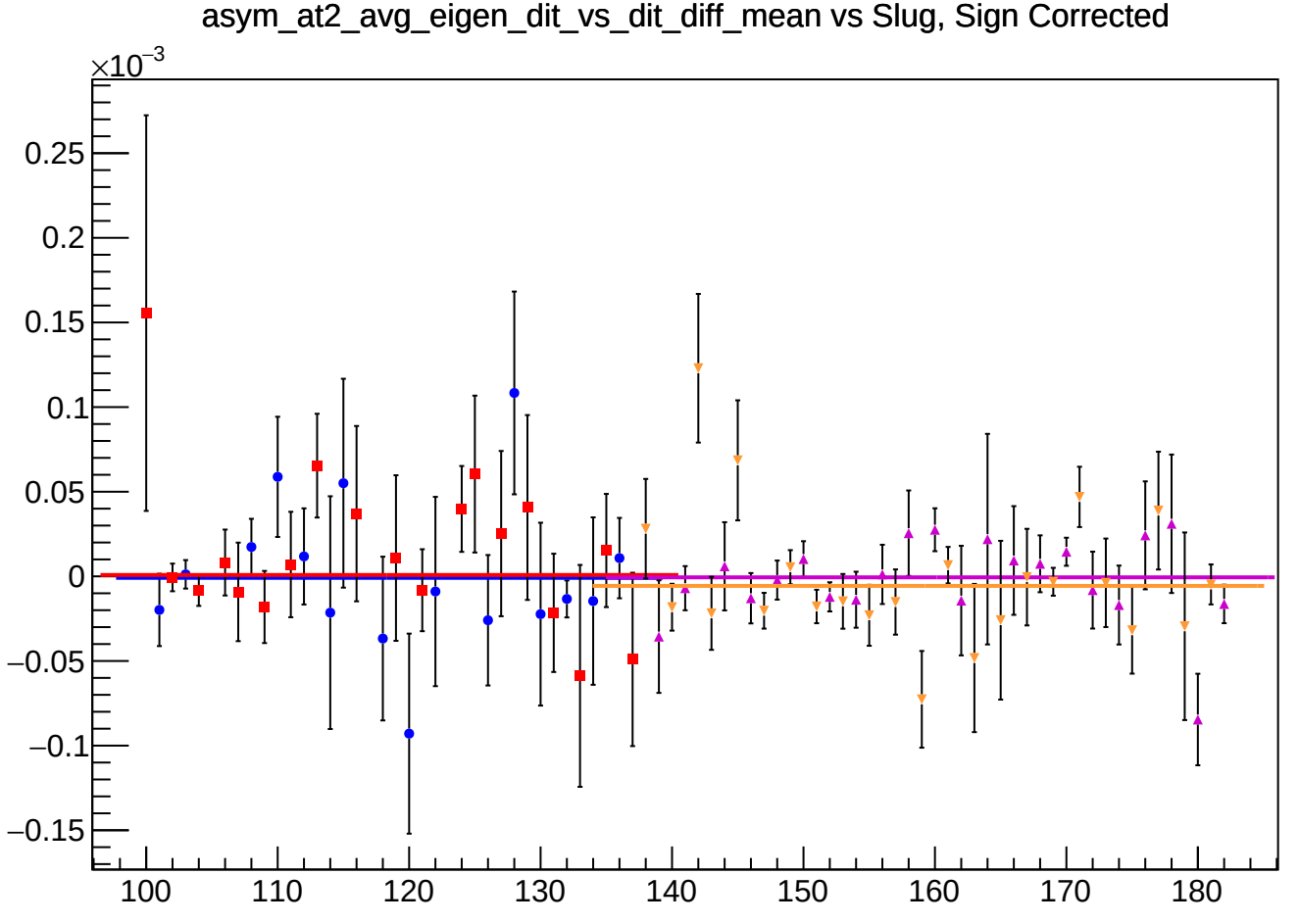
Left: 589.073+/-0.074 χ^2/NDF: 7166464.3/44

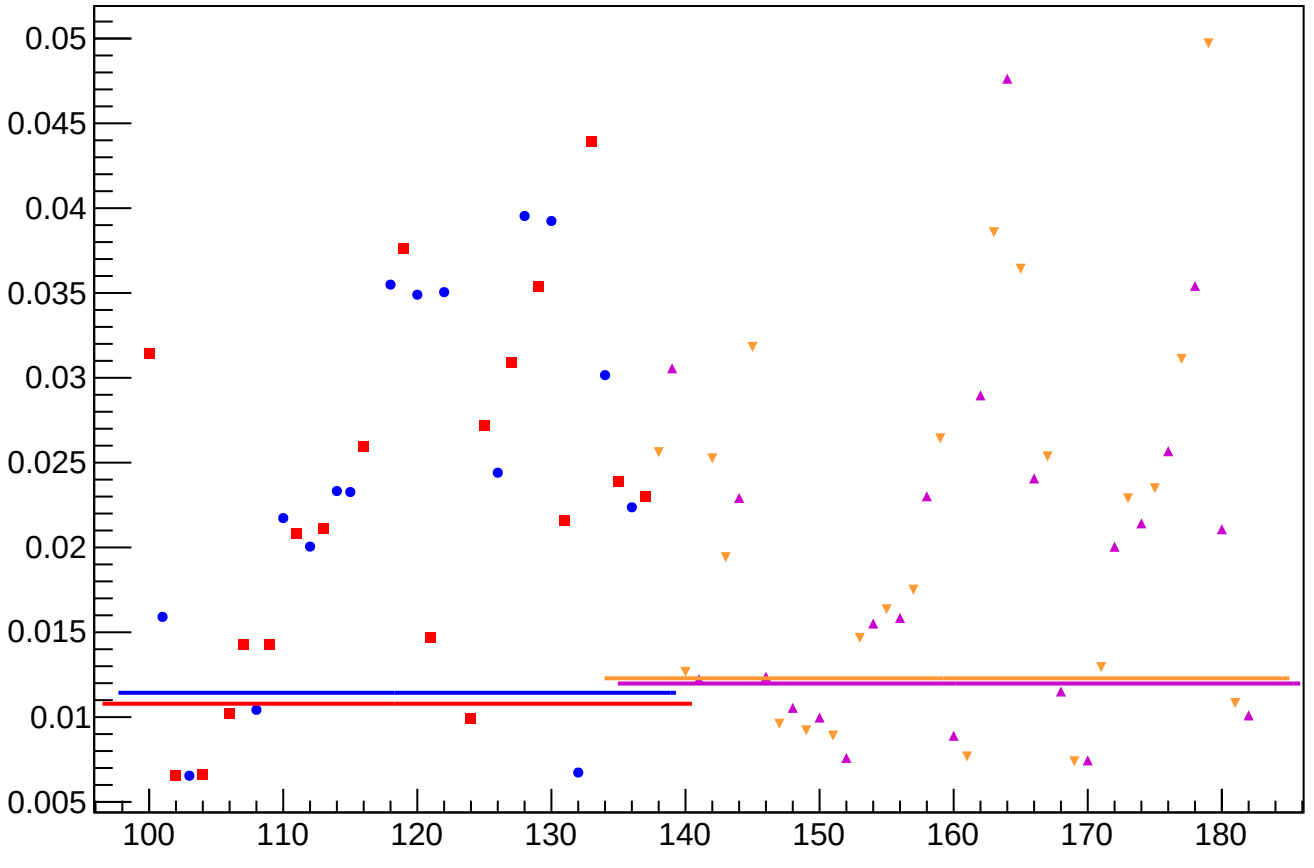
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 422.391+/-0.066 χ^2/NDF:8128346.3/37

Out: 401.210+/-0.065 χ^2/NDF:11409731.2/41

All: 411.642+/-0.046 χ^2/NDF: 19590100.2/79


asym_at2_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
−0.15
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 14.5/15
Left Out: -0.000+/-0.000 χ²/NDF:41.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 16.1/18
Left In: -0.000+/-0.000 χ²/NDF:28.9/21
Left: -0.000+/-0.000 χ²/NDF: 71.5/44
Right: 0.000+/-0.000 χ²/NDF: 30.7/34
In: -0.000+/-0.000 χ²/NDF:43.5/37
Out: -0.000+/-0.000 χ²/NDF:58.8/41
All: -0.000+/-0.000 χ²/NDF: 102.8/79



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:7729059.3/22

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:6267743.8/21

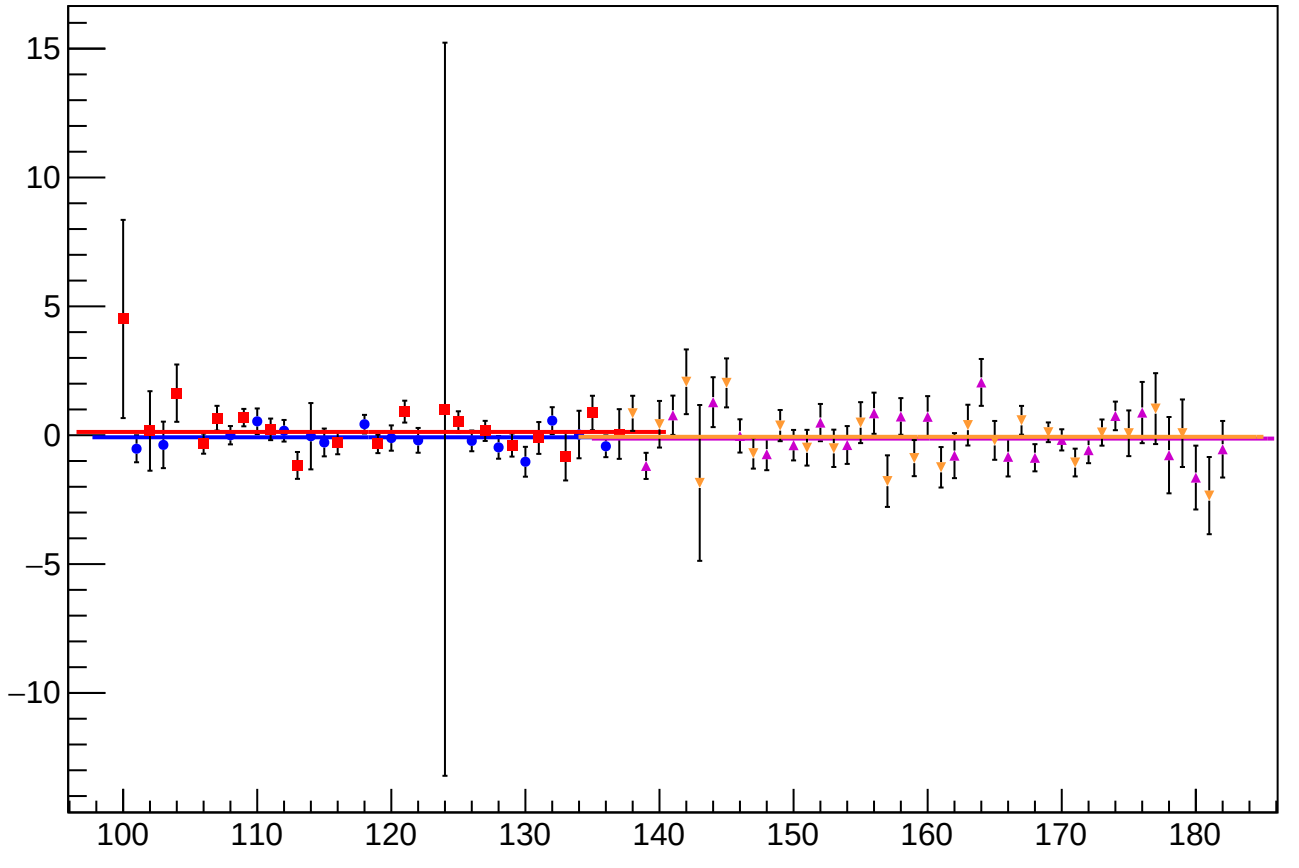
Left: 0.012+/-0.000 χ^2/NDF: 14005437.0/44

Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:10982859.9/37

Out: 0.012+/-0.000 χ^2/NDF:12332587.3/41

All: 0.012+/-0.000 χ^2/NDF: 23315520.8/79



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.062+/-0.150 χ^2/NDF:28.1/22

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.130+/-0.146 χ^2/NDF:29.0/21

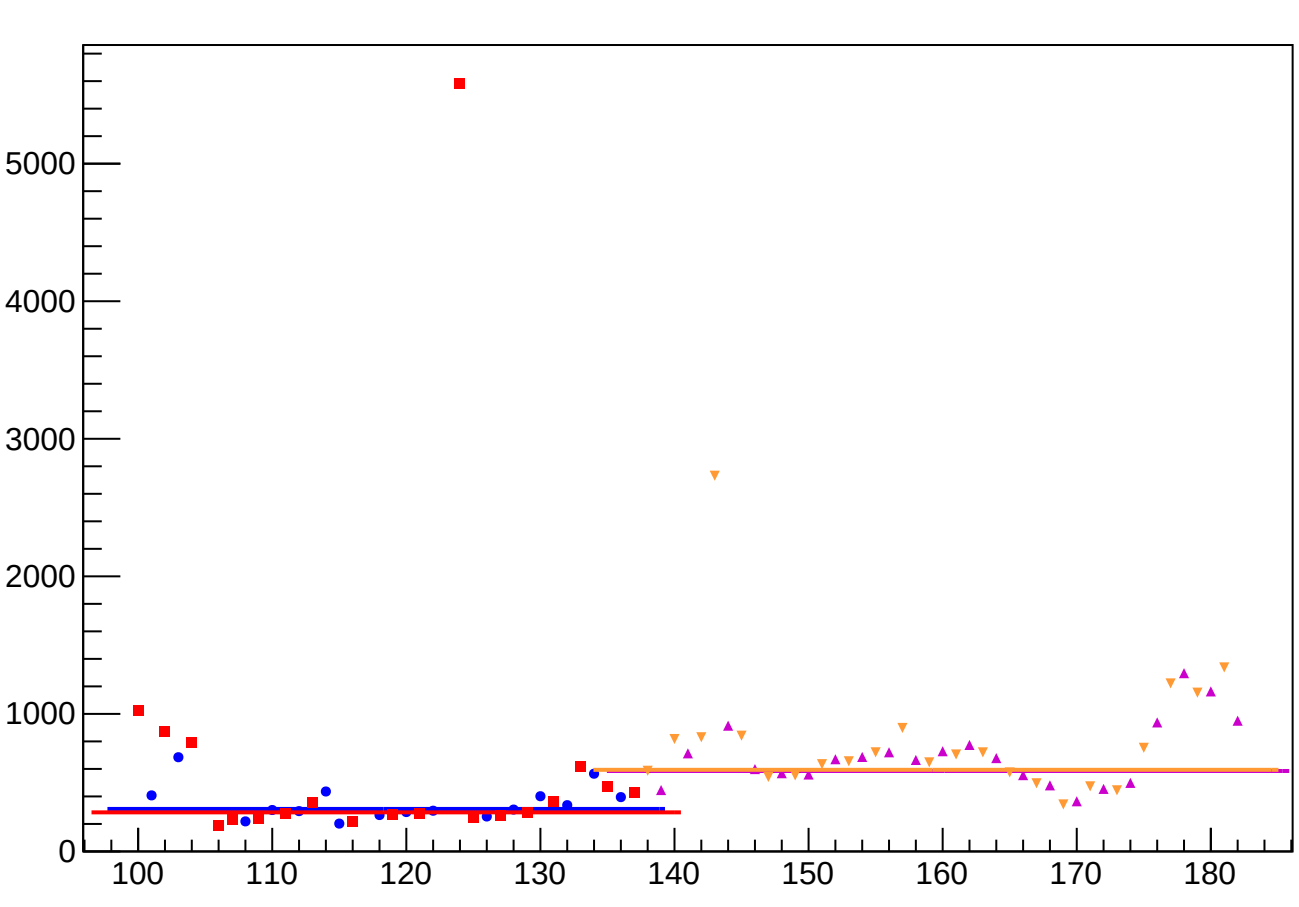
Left: -0.097+/-0.105 χ^2/NDF: 57.2/44

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.101+/-0.094 χ^2/NDF:39.8/37

Out: 0.056+/-0.092 χ^2/NDF:54.3/41

All: -0.021+/-0.066 χ^2/NDF: 95.6/79



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 593.397+/-0.106 χ^2/NDF:4258835.6/22

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 584.971+/-0.103 χ^2/NDF:2904702.5/21

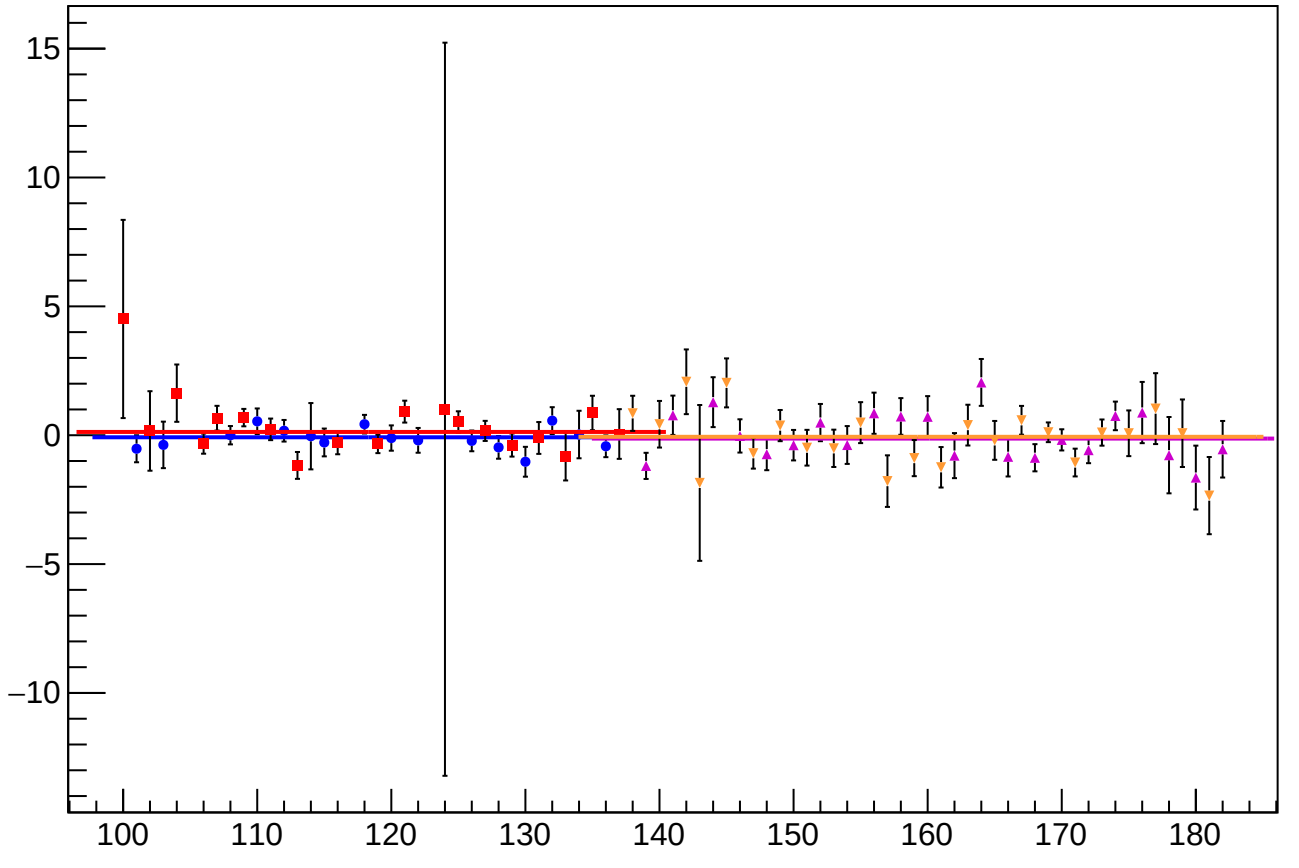
Left: 589.074+/-0.074 χ^2/NDF: 7166782.8/44

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 422.390+/-0.066 χ^2/NDF:8128523.0/37

Out: 401.209+/-0.065 χ^2/NDF:11409925.8/41

All: 411.642+/-0.046 χ^2/NDF: 19590474.5/79



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.062+/-0.150 χ^2/NDF:28.1/22

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.130+/-0.146 χ^2/NDF:29.0/21

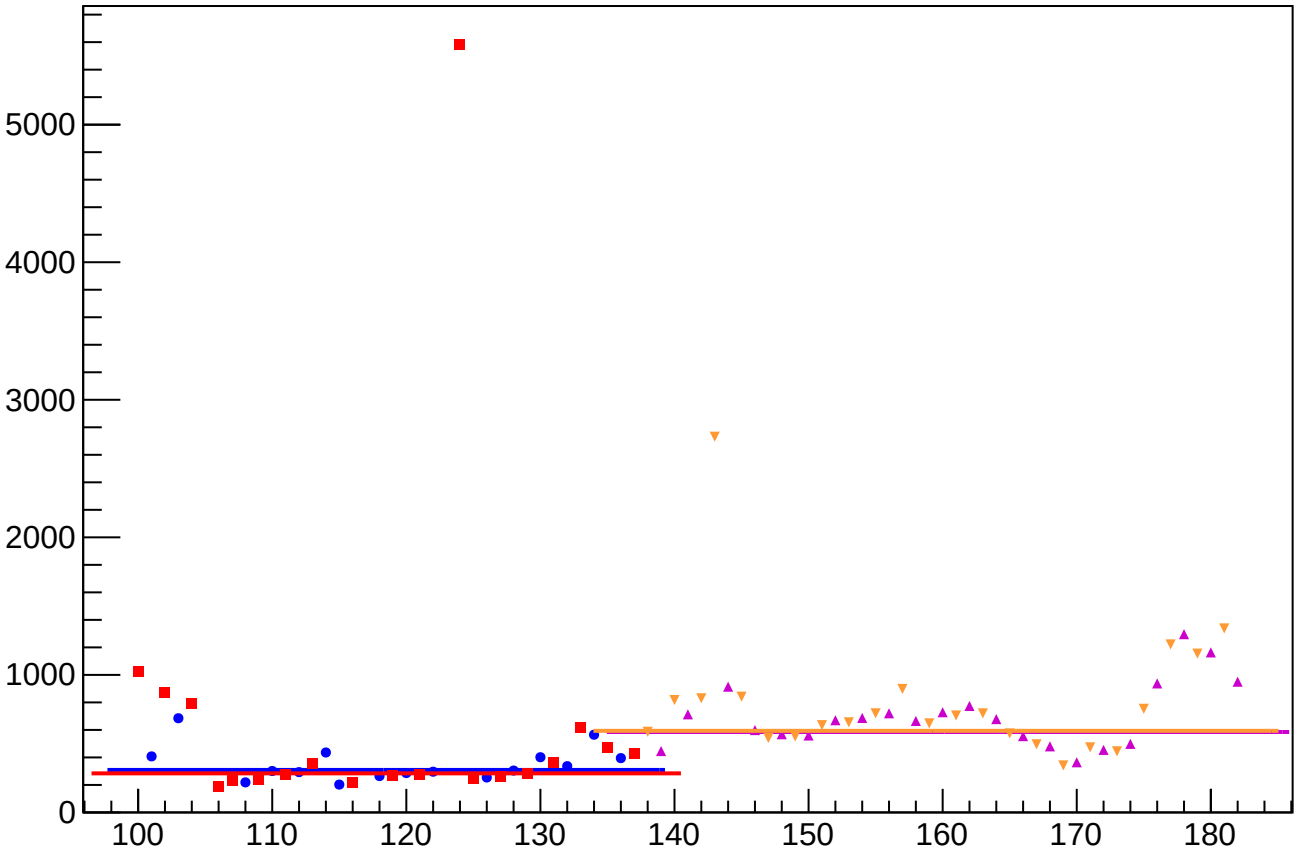
Left: -0.097+/-0.105 χ^2/NDF: 57.2/44

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.101+/-0.094 χ^2/NDF:39.8/37

Out: 0.056+/-0.092 χ^2/NDF:54.3/41

All: -0.021+/-0.066 χ^2/NDF: 95.6/79



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 593.397+/-0.106 χ^2/NDF:4258835.6/22

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 584.971+/-0.103 χ^2/NDF:2904702.5/21

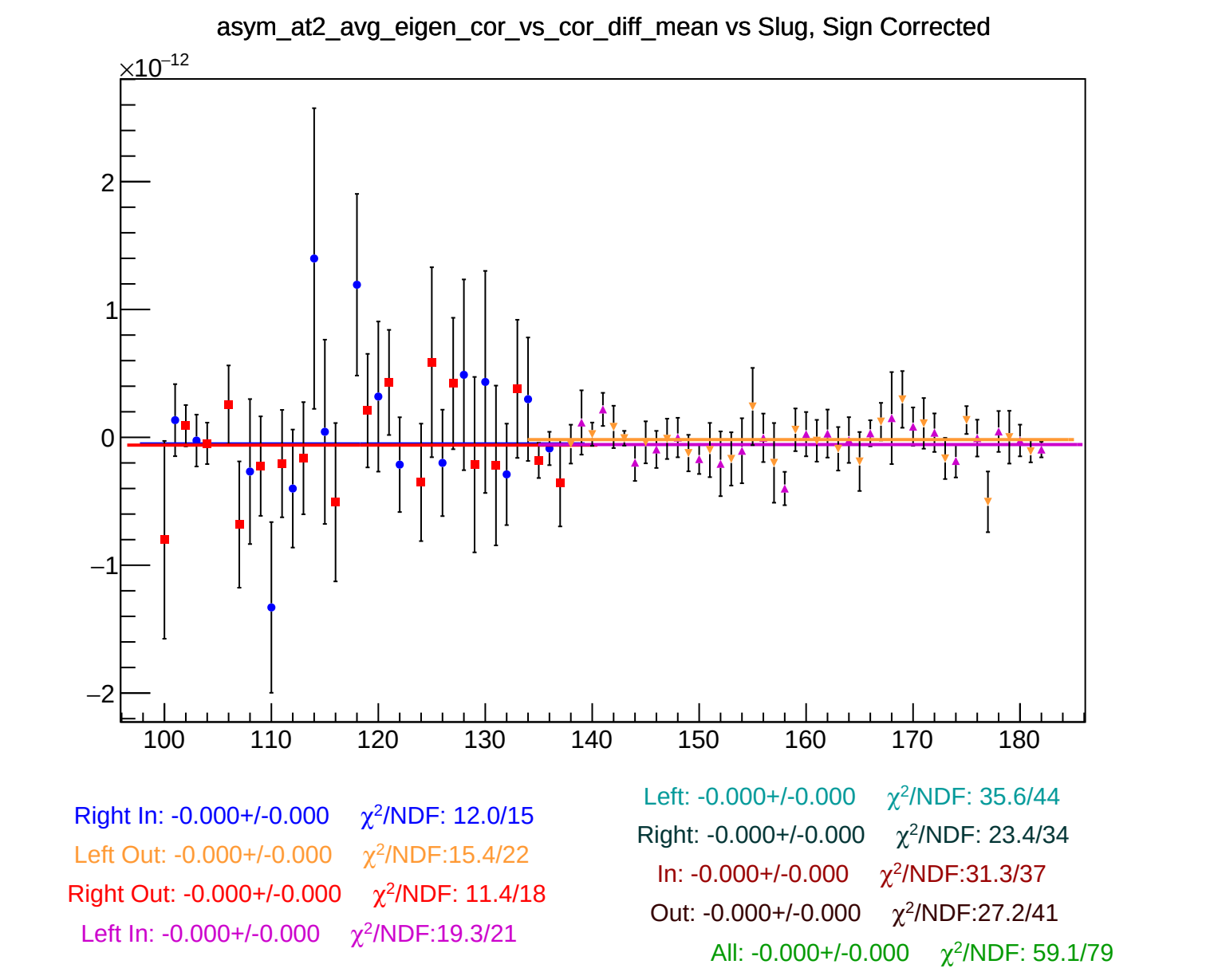
Left: 589.074+/-0.074 χ^2/NDF: 7166782.8/44

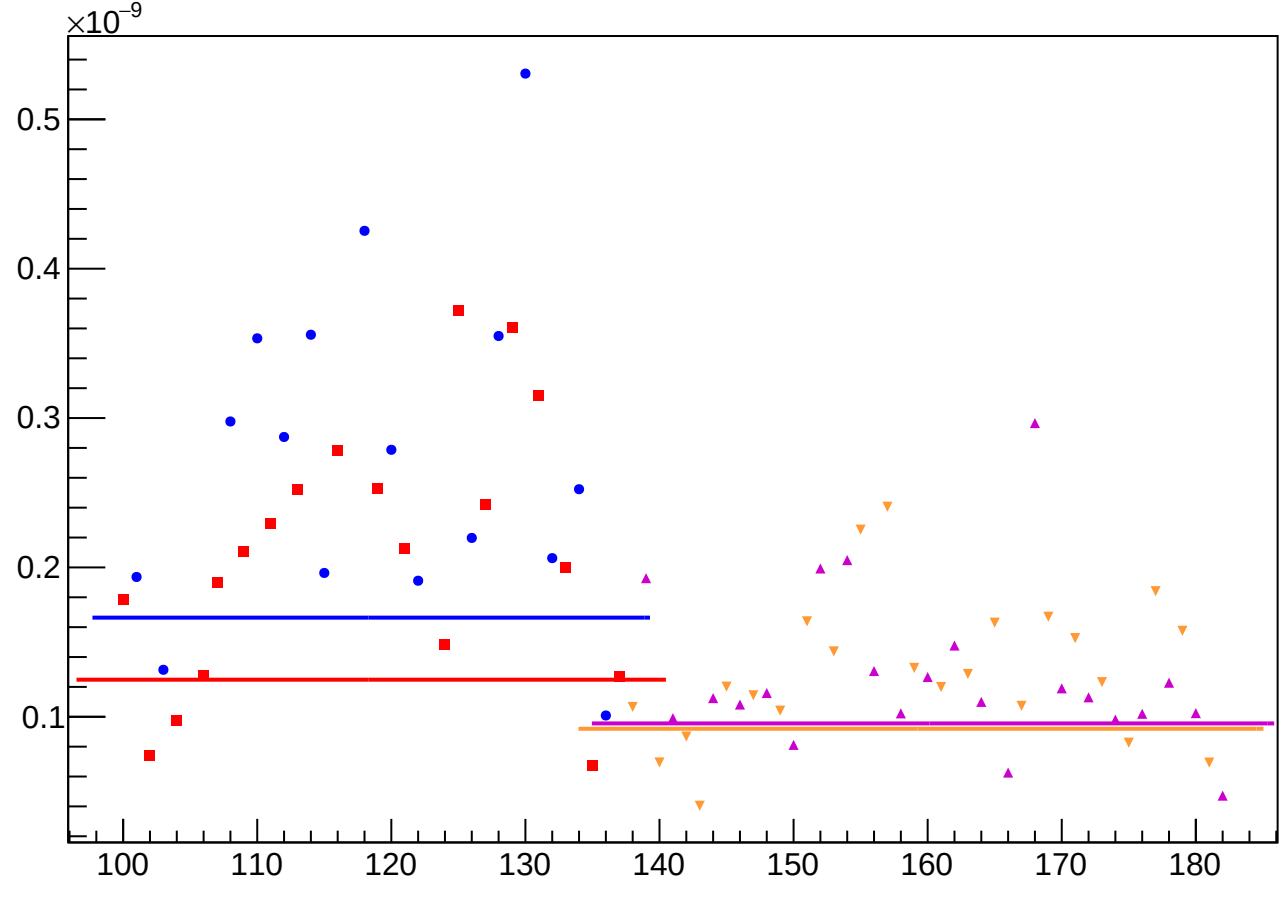
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 422.390+/-0.066 χ^2/NDF:8128523.0/37

Out: 401.209+/-0.065 χ^2/NDF:11409925.8/41

All: 411.642+/-0.046 χ^2/NDF: 19590474.5/79


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
170
180
Right In: -0.000+/-0.000 χ²/NDF: 12.0/15
Left Out: -0.000+/-0.000 χ²/NDF:15.4/22
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: -0.000+/-0.000 χ²/NDF:19.3/21
Left: -0.000+/-0.000 χ²/NDF: 35.6/44
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:31.3/37
Out: -0.000+/-0.000 χ²/NDF:27.2/41
All: -0.000+/-0.000 χ²/NDF: 59.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4681563.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3635474.0/21

Left: 0.000+/-0.000 χ^2/NDF: 8332210.9/44

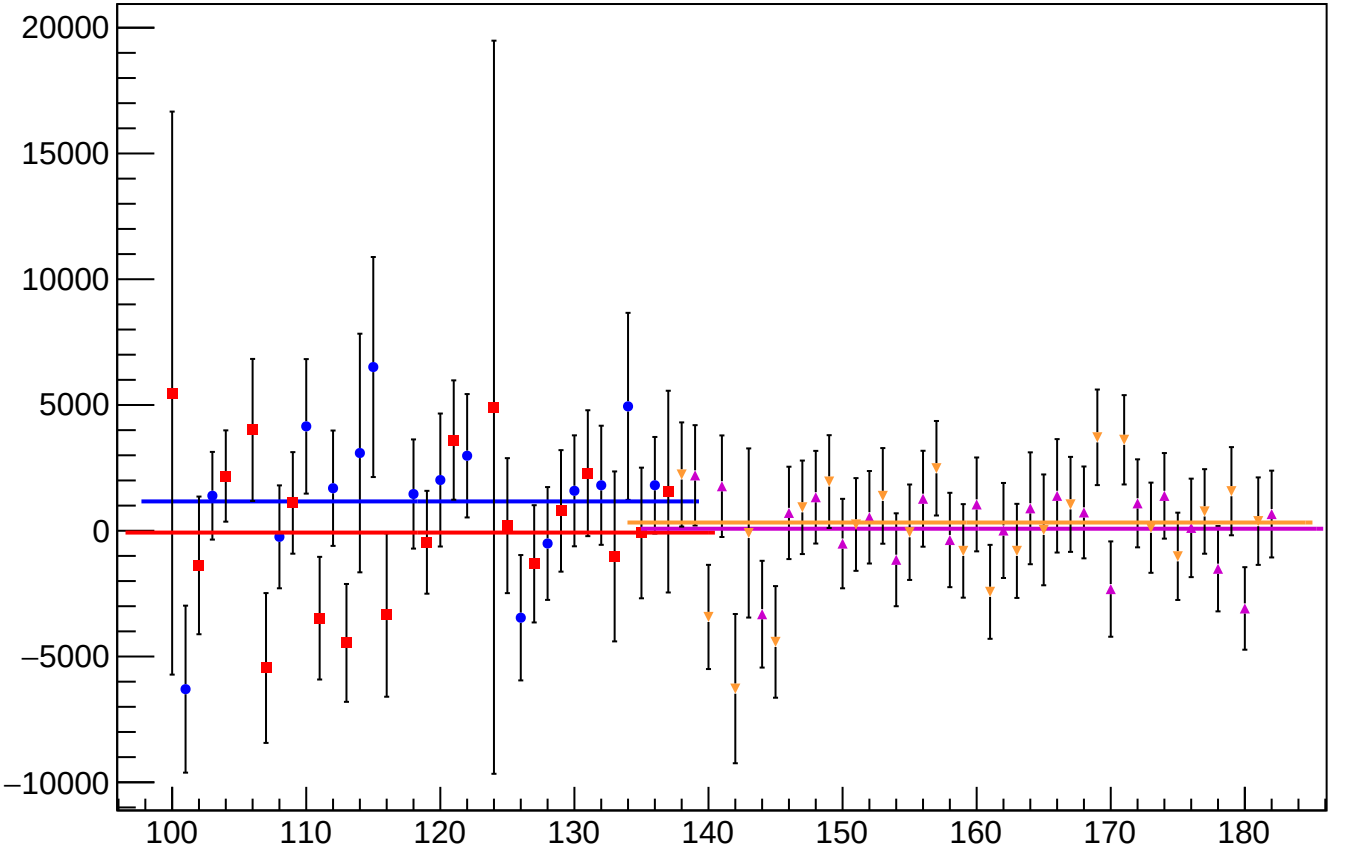
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:6874794.9/37

Out: 0.000+/-0.000 χ^2/NDF:7267588.0/41

All: 0.000+/-0.000 χ^2/NDF: 14198576.8/79

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 327.515+/-402.193 χ^2/NDF:27.1/22

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 80.445+/-398.204 χ^2/NDF:14.2/21

Left: 202.749+/-282.972 χ^2/NDF: 41.5/44

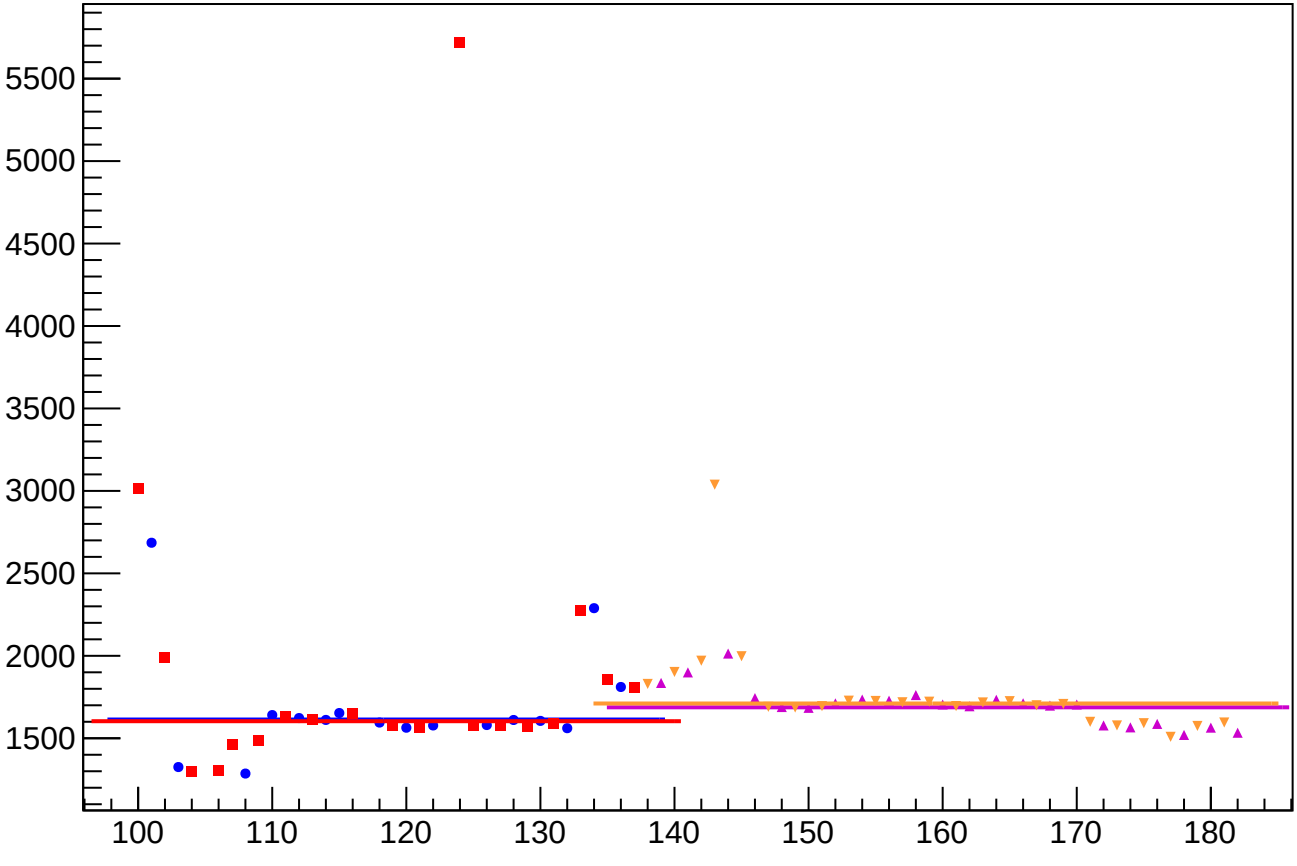
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 405.692+/-333.310 χ^2/NDF:30.8/37

Out: 204.552+/-334.657 χ^2/NDF:45.7/41

All: 305.528+/-236.160 χ^2/NDF: 76.7/79

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1710.856+/-0.284 χ^2/NDF:463254.8/22

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1687.651+/-0.282 χ^2/NDF:159312.2/21

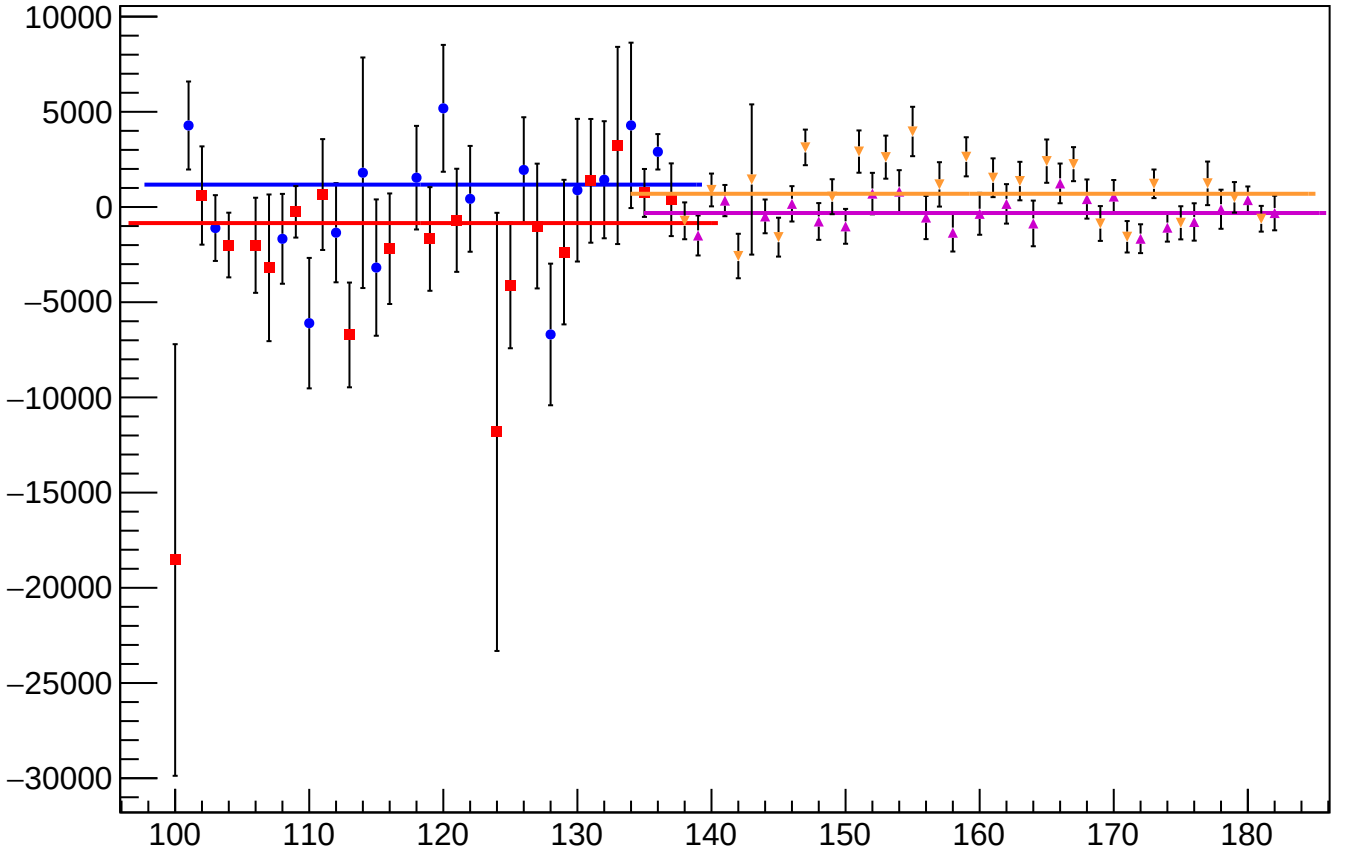
Left: 1699.138+/-0.200 χ^2/NDF: 625929.1/44

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1665.504+/-0.236 χ^2/NDF:584665.7/37

Out: 1677.818+/-0.237 χ^2/NDF:932916.4/41

All: 1671.636+/-0.167 χ^2/NDF: 1518941.4/79



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 695.231+/-201.628 χ^2/NDF:63.3/22

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -315.096+/-200.335 χ^2/NDF:15.6/21

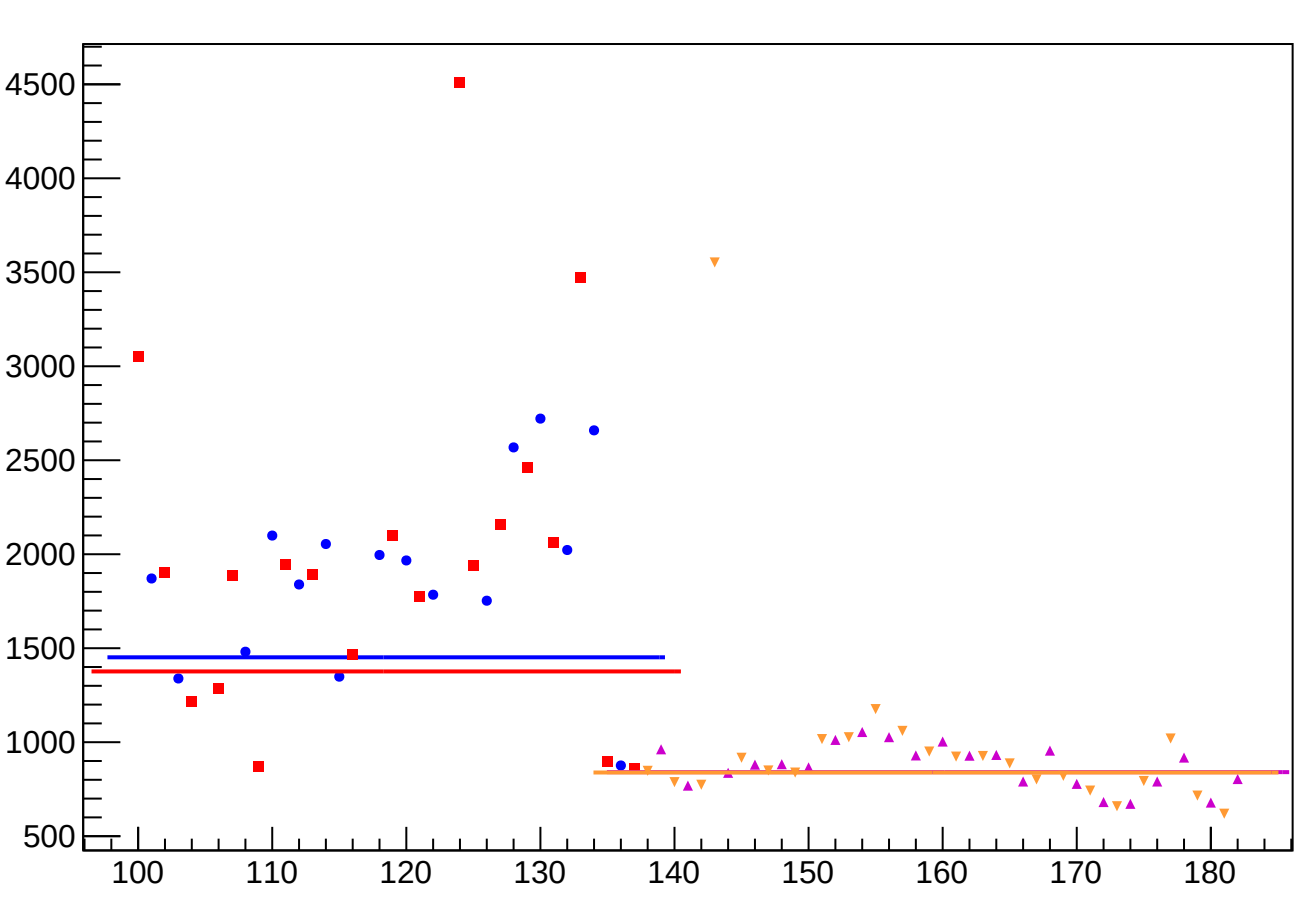
Left: 186.819+/-142.113 χ^2/NDF: 91.5/44

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -155.758+/-189.325 χ^2/NDF:43.5/37

Out: 517.168+/-189.606 χ^2/NDF:84.3/41

All: 180.207+/-133.972 χ^2/NDF: 134.1/79



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 838.805+/-0.143 χ^2/NDF:1799433.8/22

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 840.740+/-0.142 χ^2/NDF:667752.0/21

Left: 839.779+/-0.100 χ^2/NDF: 2467278.5/44

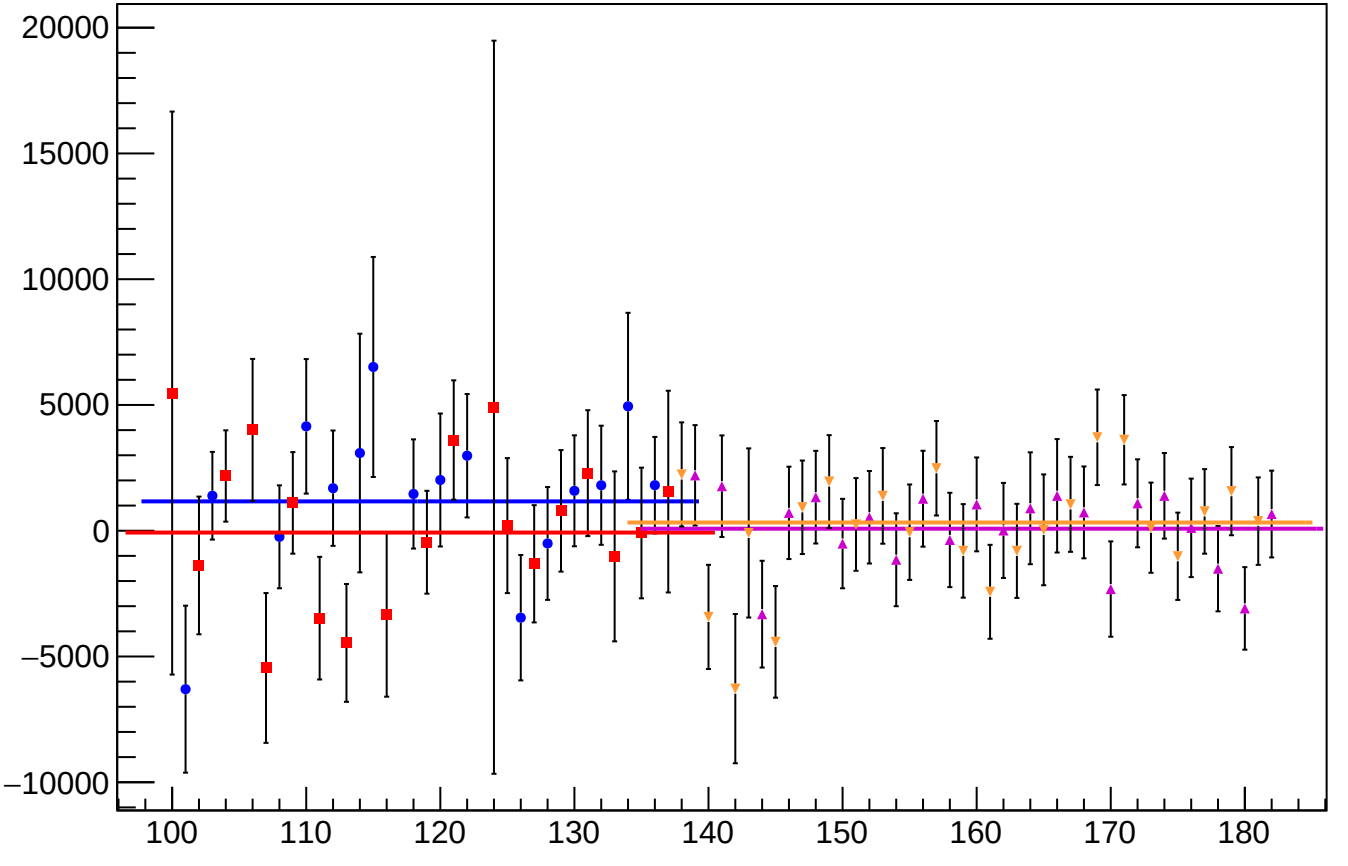
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 906.042+/-0.134 χ^2/NDF:4446556.9/37

Out: 901.009+/-0.134 χ^2/NDF:5576850.6/41

All: 903.530+/-0.095 χ^2/NDF: 10024113.1/79

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 327.422+/-402.193 χ^2/NDF:27.1/22

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 80.376+/-398.204 χ^2/NDF:14.2/21

Left: 202.668+/-282.972 χ^2/NDF: 41.5/44

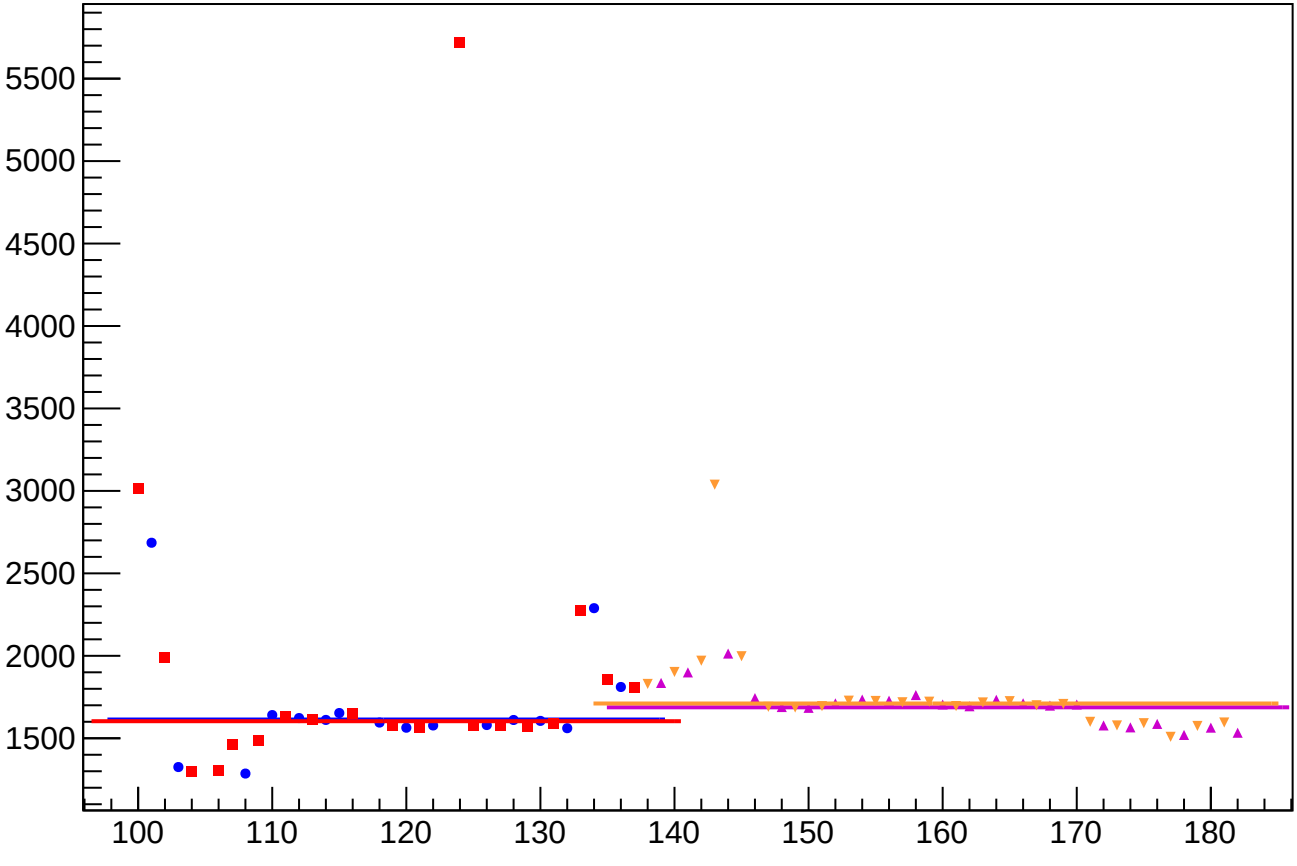
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 405.616+/-333.310 χ^2/NDF:30.8/37

Out: 204.389+/-334.657 χ^2/NDF:45.7/41

All: 305.408+/-236.160 χ^2/NDF: 76.7/79

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1710.856+/-0.284 χ^2/NDF:463254.8/22

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1687.651+/-0.282 χ^2/NDF:159312.2/21

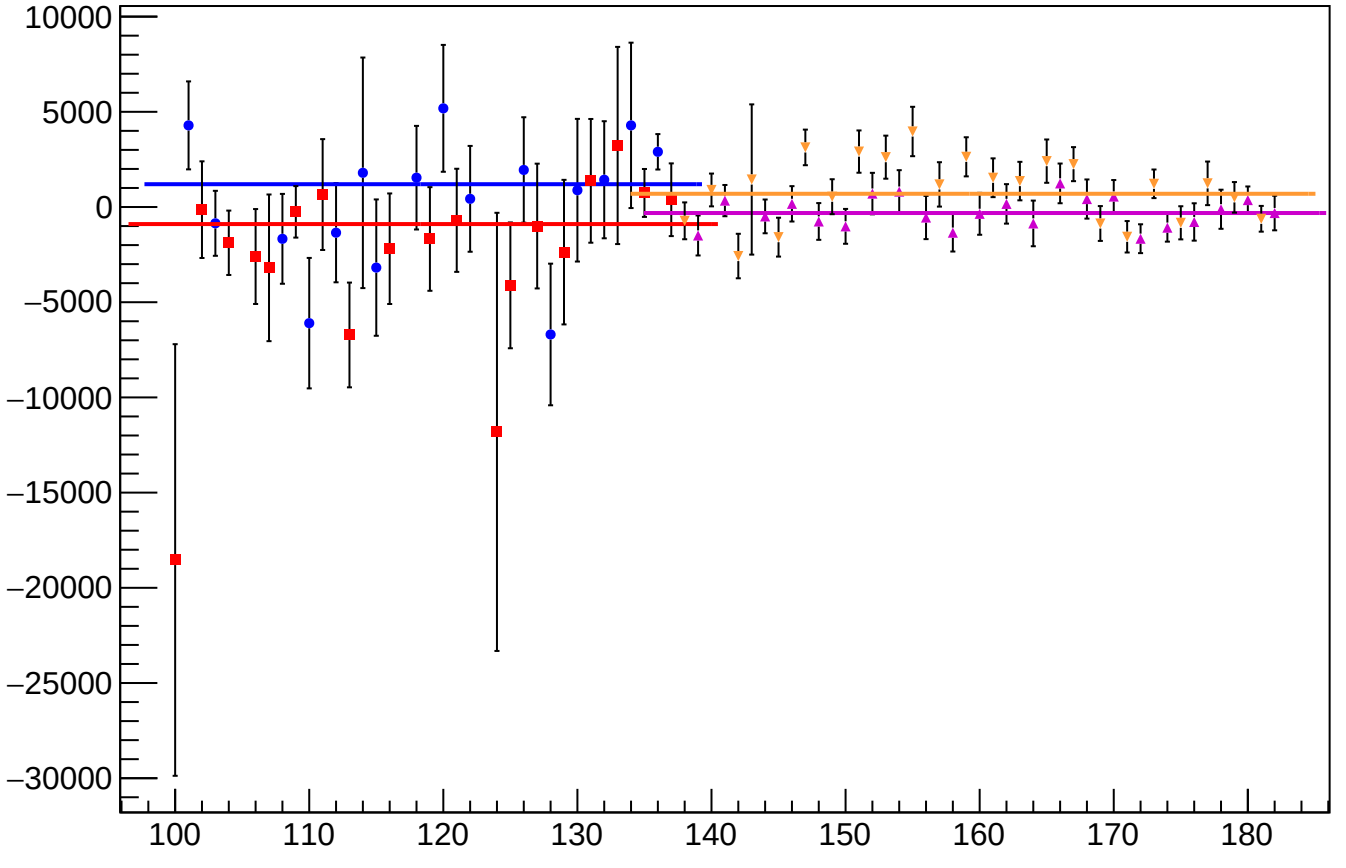
Left: 1699.138+/-0.200 χ^2/NDF: 625929.0/44

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1665.504+/-0.236 χ^2/NDF:584666.0/37

Out: 1677.818+/-0.237 χ^2/NDF:932916.5/41

All: 1671.636+/-0.167 χ^2/NDF: 1518941.9/79



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 695.229+/-201.630 χ^2/NDF:63.3/22

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -315.076+/-200.336 χ^2/NDF:15.6/21

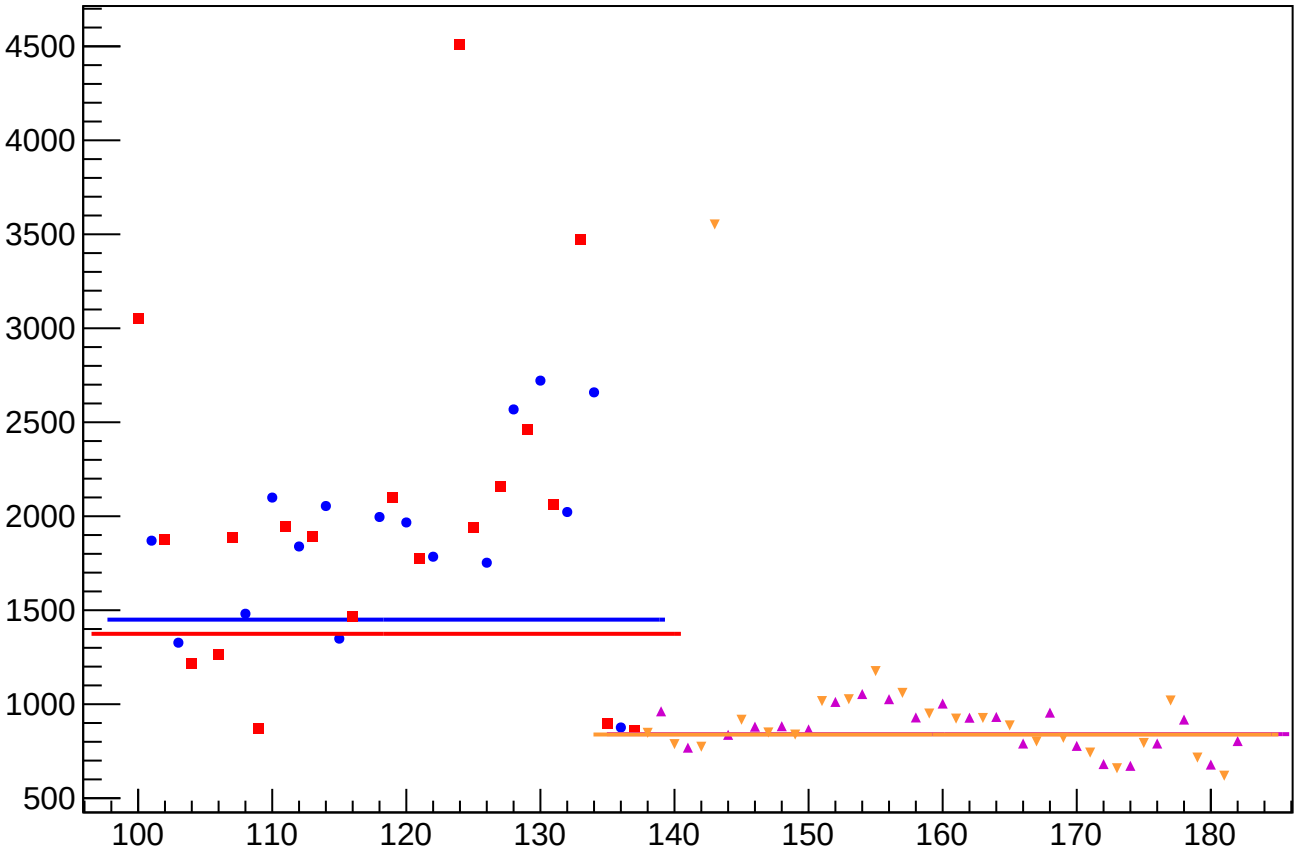
Left: 186.824+/-142.114 χ^2/NDF: 91.5/44

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -152.885+/-189.297 χ^2/NDF:43.4/37

Out: 510.741+/-189.577 χ^2/NDF:84.7/41

All: 178.437+/-133.952 χ^2/NDF: 134.2/79



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 838.816+/-0.143 χ^2/NDF:1799326.3/22

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 840.742+/-0.142 χ^2/NDF:667748.8/21

Left: 839.785+/-0.100 χ^2/NDF: 2467167.0/44

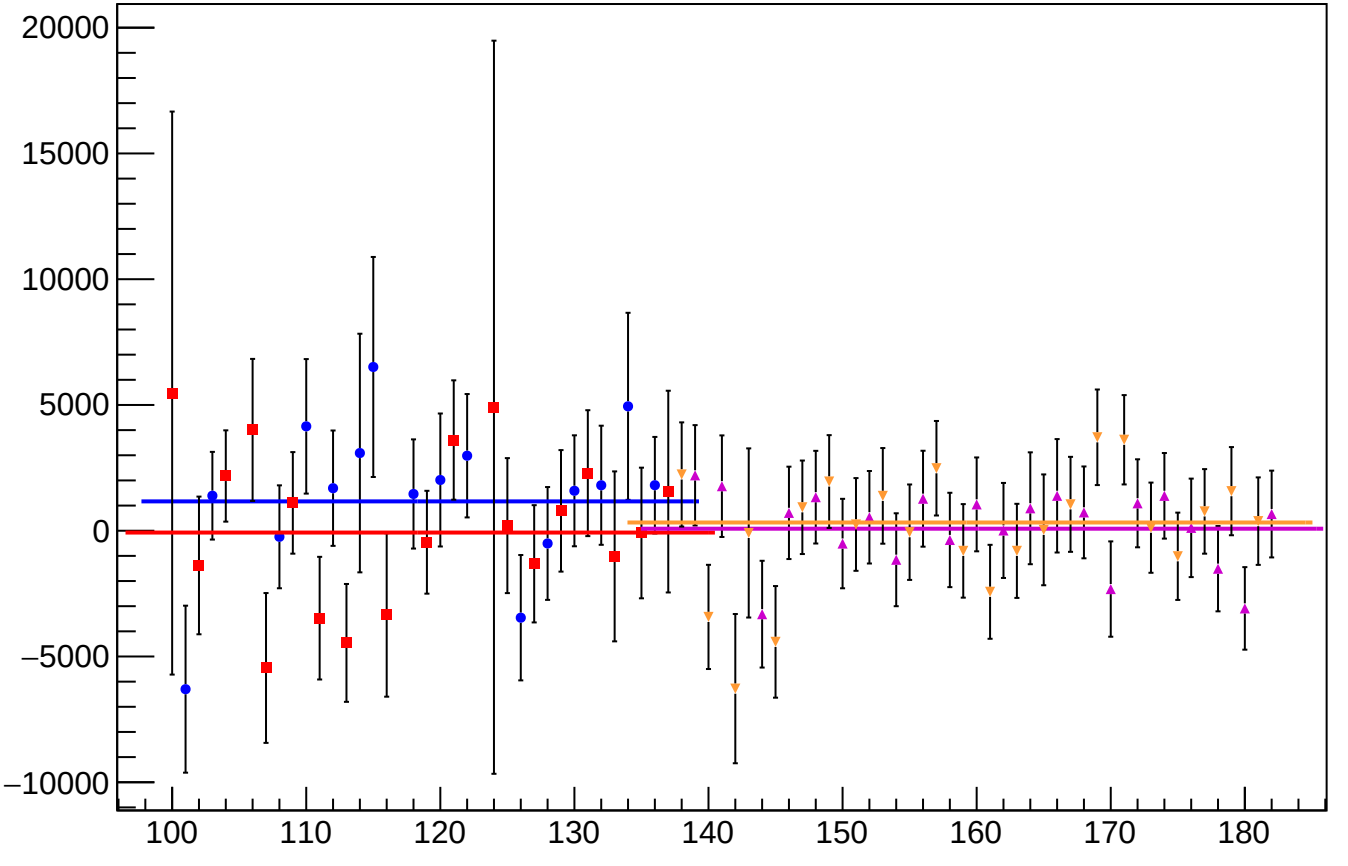
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 906.029+/-0.134 χ^2/NDF:4442391.4/37

Out: 900.937+/-0.134 χ^2/NDF:5563911.1/41

All: 903.487+/-0.095 χ^2/NDF: 10007025.1/79

eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 327.422+/-402.193 χ^2/NDF:27.1/22

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 80.376+/-398.204 χ^2/NDF:14.2/21

Left: 202.668+/-282.972 χ^2/NDF: 41.5/44

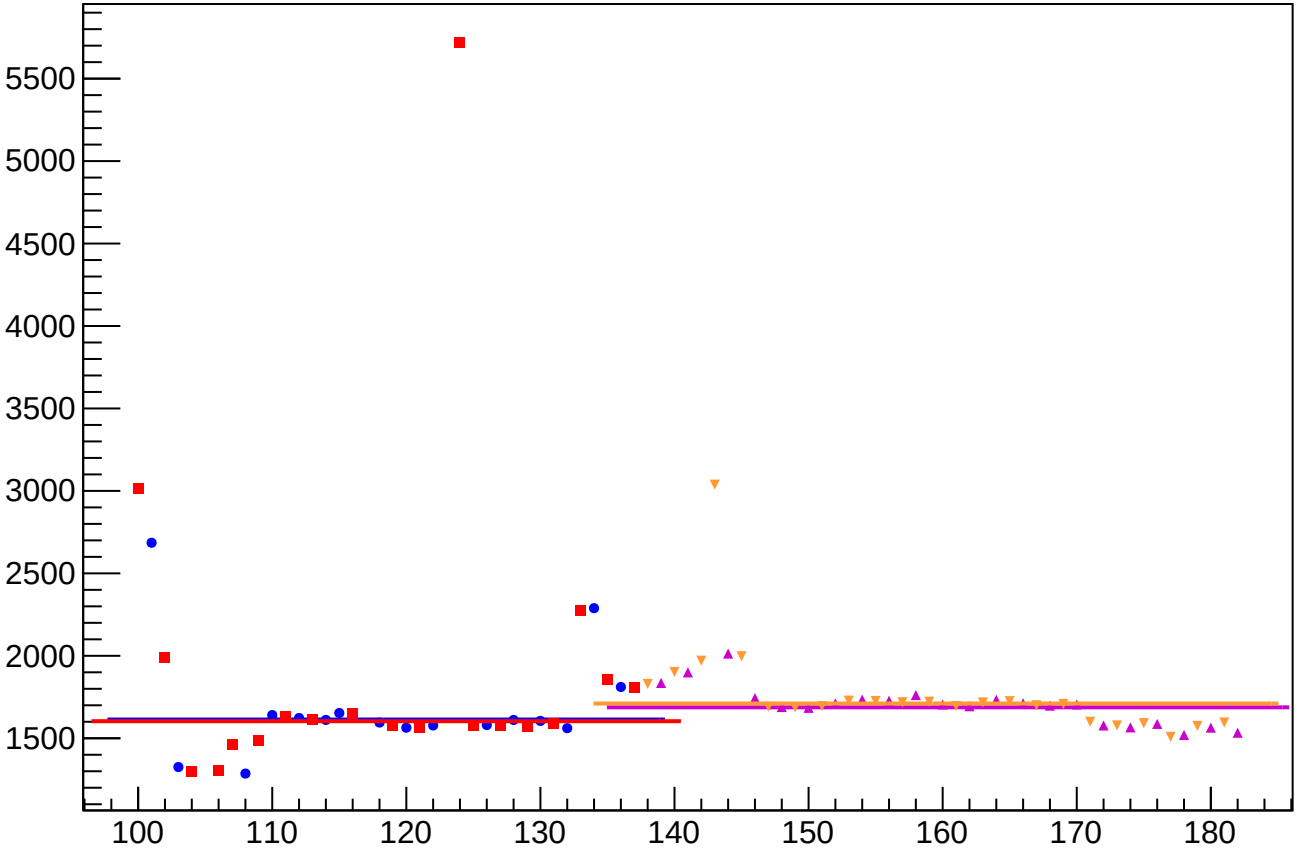
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 405.616+/-333.310 χ^2/NDF:30.8/37

Out: 204.389+/-334.657 χ^2/NDF:45.7/41

All: 305.408+/-236.160 χ^2/NDF: 76.7/79

eigen_cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1710.856+/-0.284 χ^2/NDF:463254.8/22

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1687.651+/-0.282 χ^2/NDF:159312.2/21

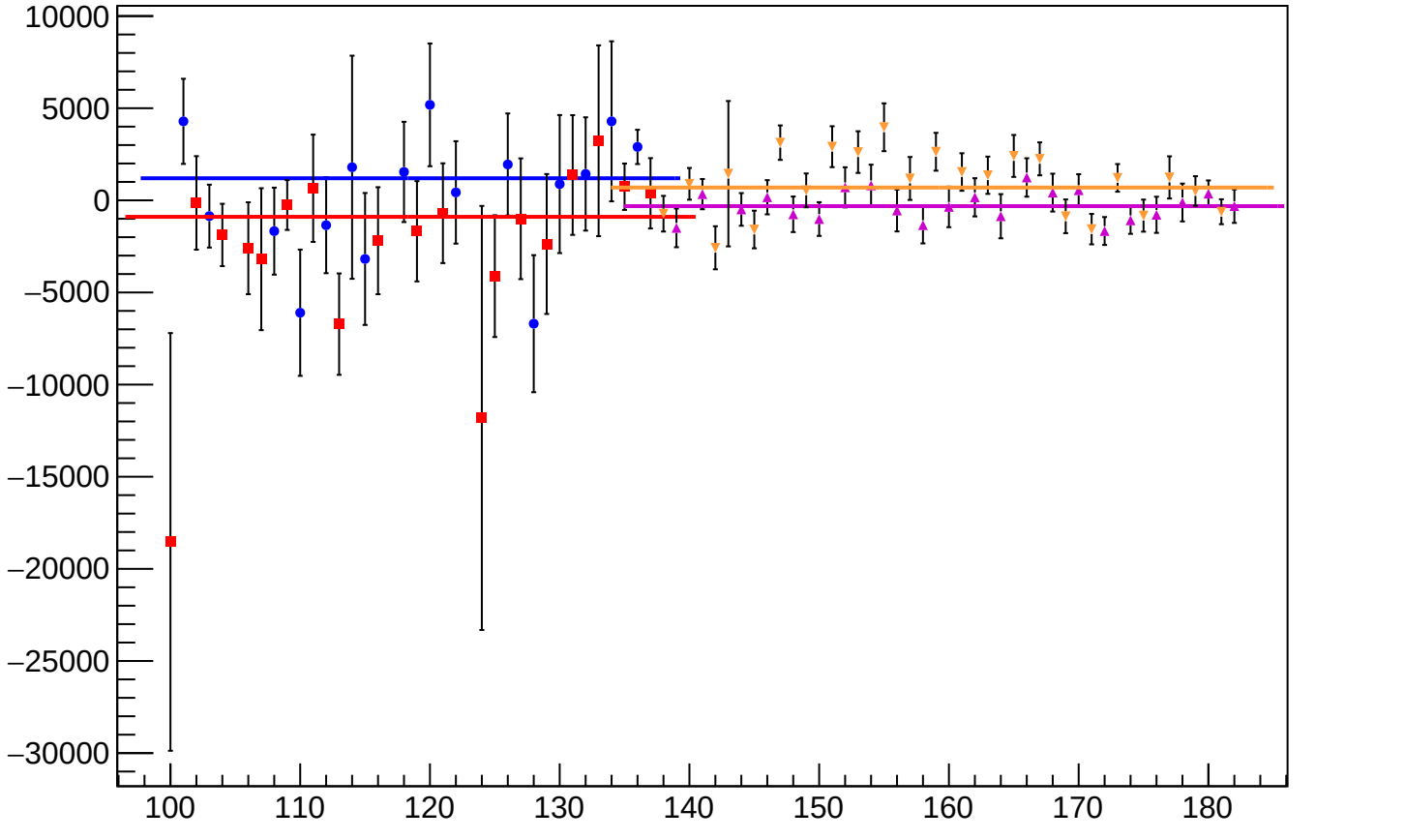
Left: 1699.138+/-0.200 χ^2/NDF: 625929.0/44

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1665.504+/-0.236 χ^2/NDF:584666.0/37

Out: 1677.818+/-0.237 χ^2/NDF:932916.5/41

All: 1671.636+/-0.167 χ^2/NDF: 1518941.9/79



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 695.229+/-201.630 χ^2/NDF:63.3/22

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -315.076+/-200.336 χ^2/NDF:15.6/21

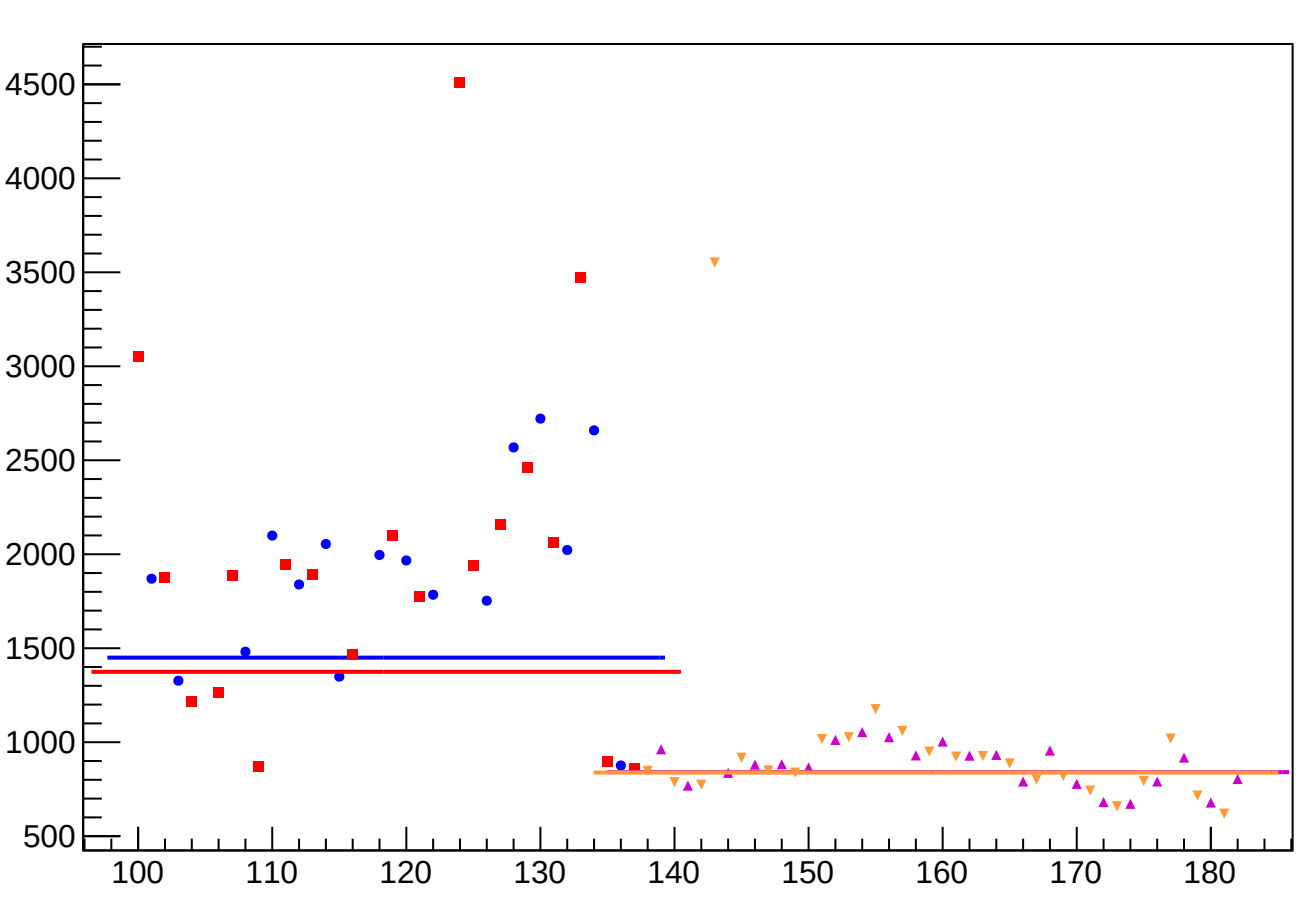
Left: 186.824+/-142.114 χ^2/NDF: 91.5/44

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -152.885+/-189.297 χ^2/NDF:43.4/37

Out: 510.741+/-189.577 χ^2/NDF:84.7/41

All: 178.437+/-133.952 χ^2/NDF: 134.2/79



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 838.816+/-0.143 χ^2/NDF:1799326.3/22

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 840.742+/-0.142 χ^2/NDF:667748.8/21

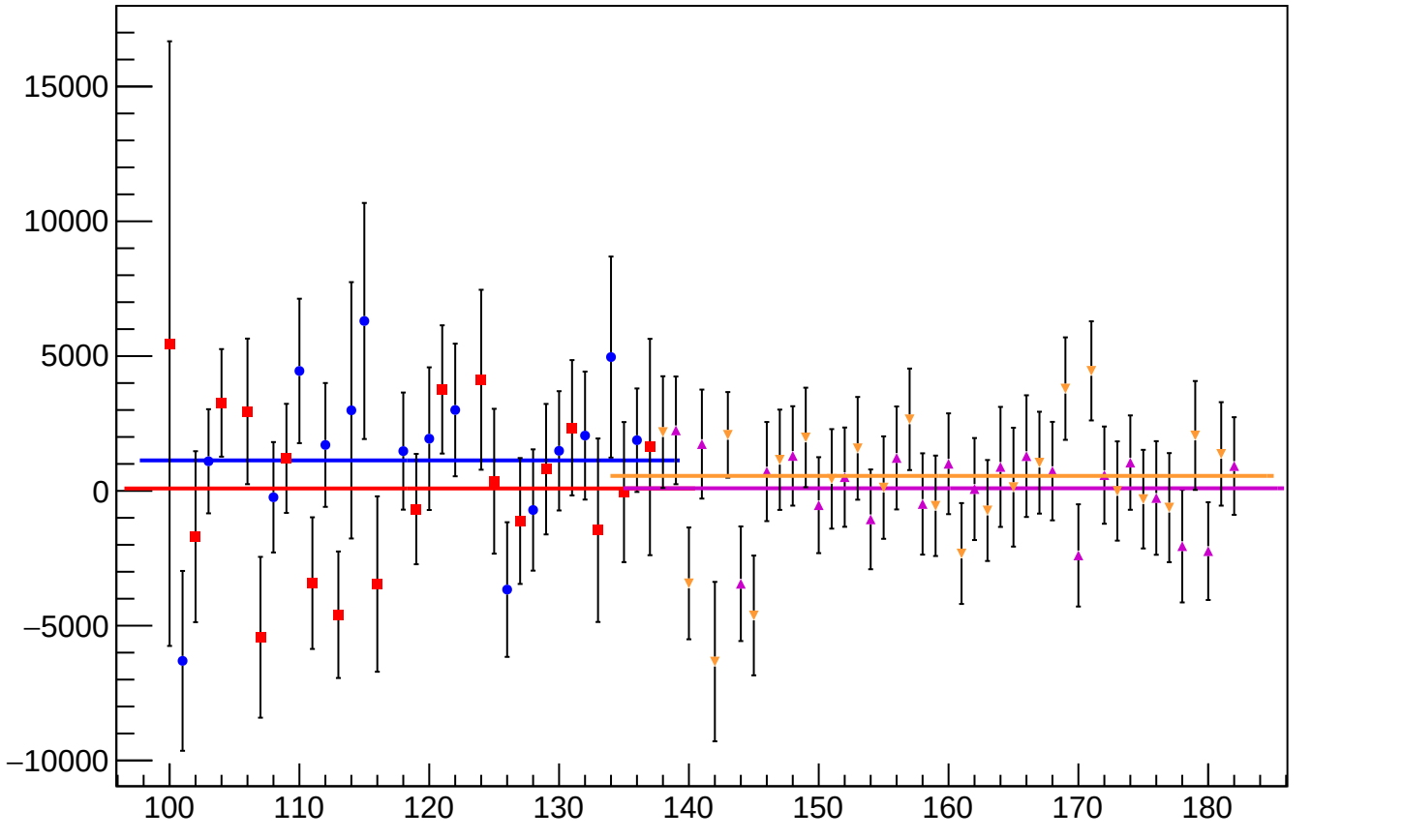
Left: 839.785+/-0.100 χ^2/NDF: 2467167.0/44

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

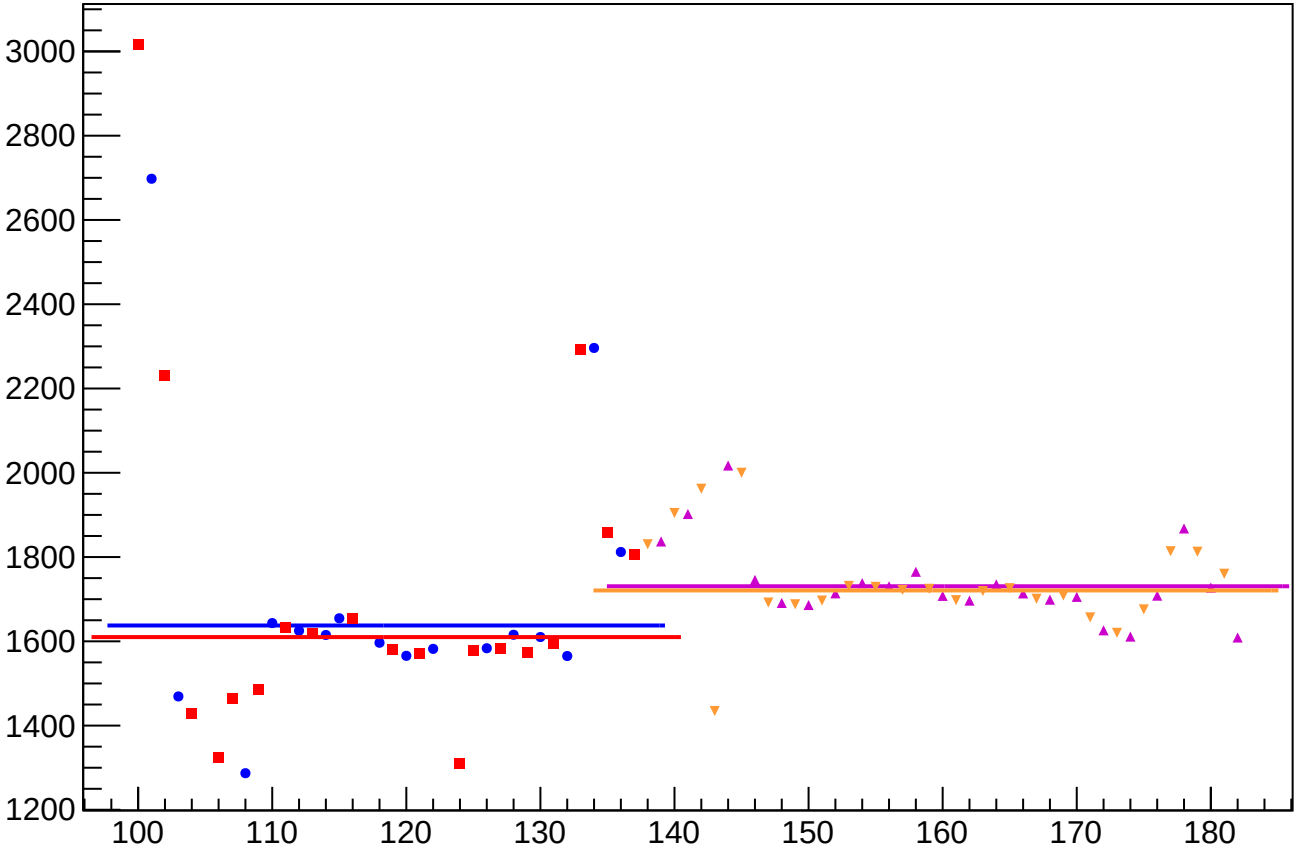
In: 906.029+/-0.134 χ^2/NDF:4442391.4/37

Out: 900.937+/-0.134 χ^2/NDF:5563911.1/41

All: 903.487+/-0.095 χ^2/NDF: 10007025.1/79


dit_asym_at2_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 1130.726+/-617.236 χ²/NDF: 15.0/15
Left Out: 555.946+/-402.843 χ²/NDF:30.4/22
Right Out: 89.220+/-603.072 χ²/NDF: 20.7/18
Left In: 96.251+/-408.048 χ²/NDF:11.9/21
Left: 329.049+/-286.675 χ²/NDF: 43.0/44
Right: 597.886+/-431.357 χ²/NDF: 37.1/34
In: 410.860+/-340.390 χ²/NDF:28.9/37
Out: 411.945+/-334.982 χ²/NDF:51.5/41
All: 411.411+/-238.757 χ²/NDF: 80.4/79

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1720.733+/-0.285 χ^2/NDF:152180.3/22

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1730.670+/-0.289 χ^2/NDF:95491.7/21

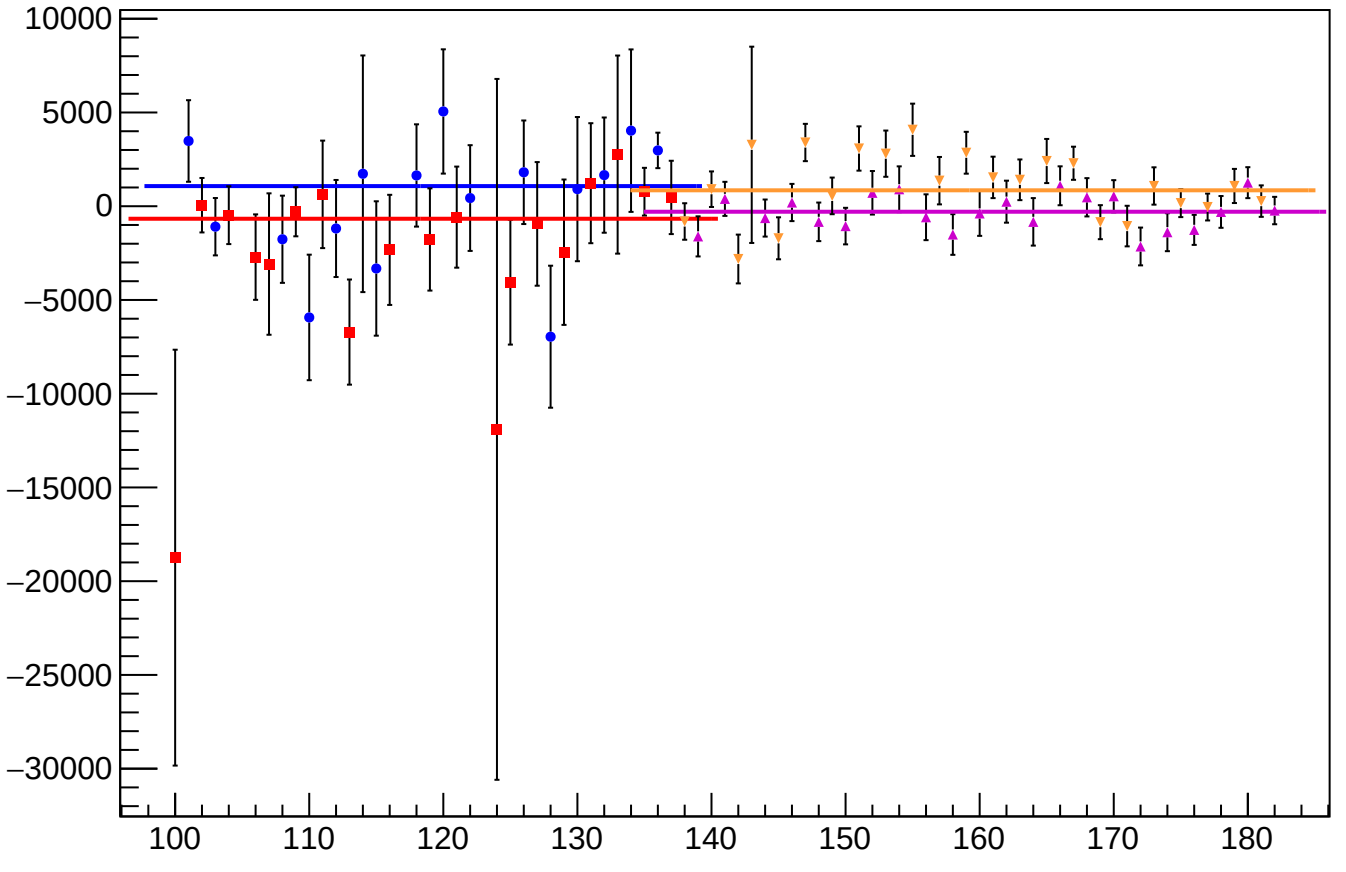
Left: 1725.638+/-0.203 χ^2/NDF: 248272.7/44

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1702.357+/-0.241 χ^2/NDF:488569.4/37

Out: 1686.581+/-0.237 χ^2/NDF:479581.6/41

All: 1694.343+/-0.169 χ^2/NDF: 970333.2/79



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 848.822+/-212.832 χ^2/NDF:52.5/22

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -293.936+/-210.058 χ^2/NDF:19.6/21

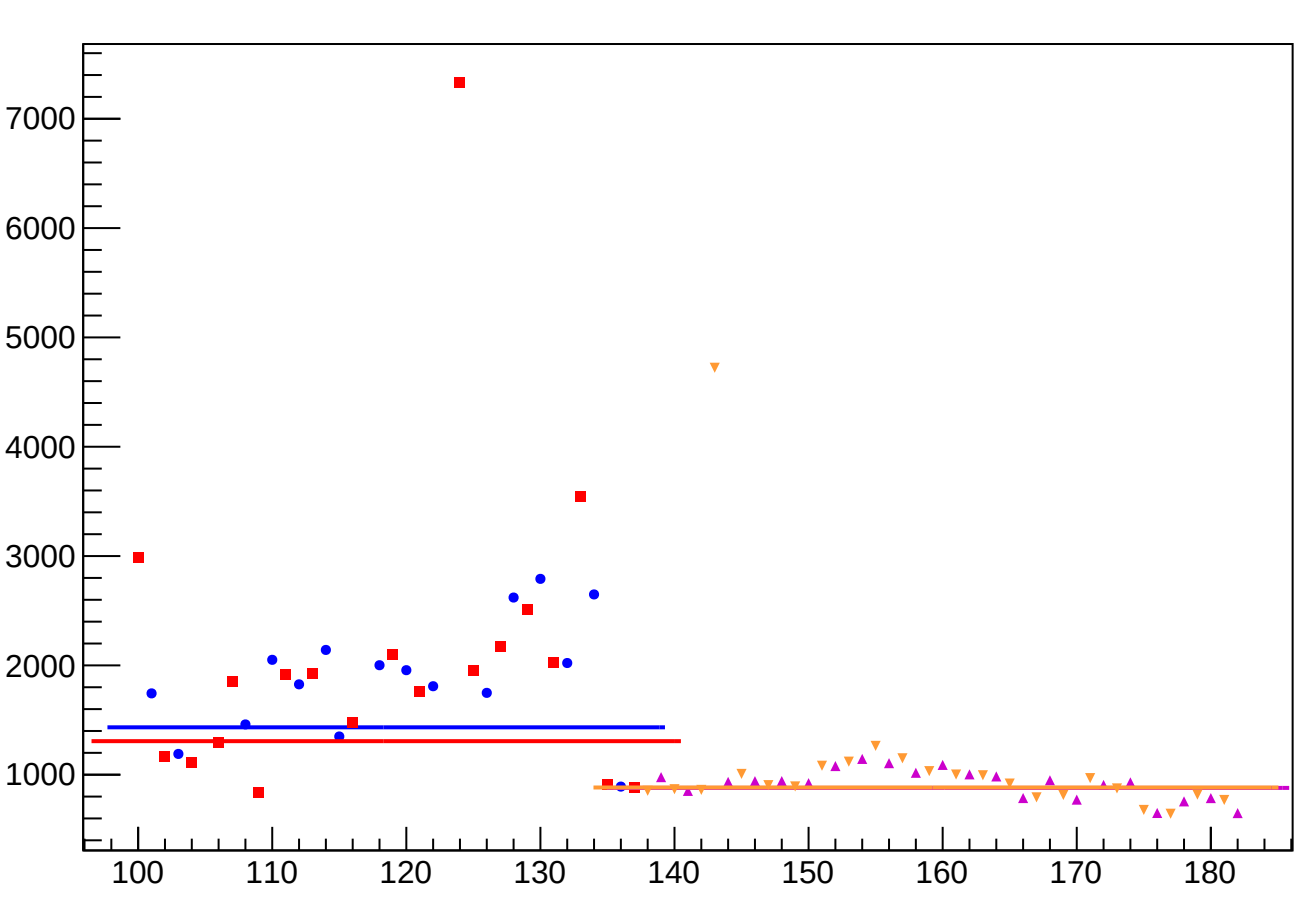
Left: 269.948+/-149.504 χ^2/NDF: 86.6/44

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -131.230+/-197.166 χ^2/NDF:46.7/37

Out: 633.688+/-197.159 χ^2/NDF:73.2/41

All: 251.243+/-139.415 χ^2/NDF: 127.4/79



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 882.997+/-0.150 χ^2/NDF:2022766.4/22

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 879.334+/-0.149 χ^2/NDF:892161.1/21

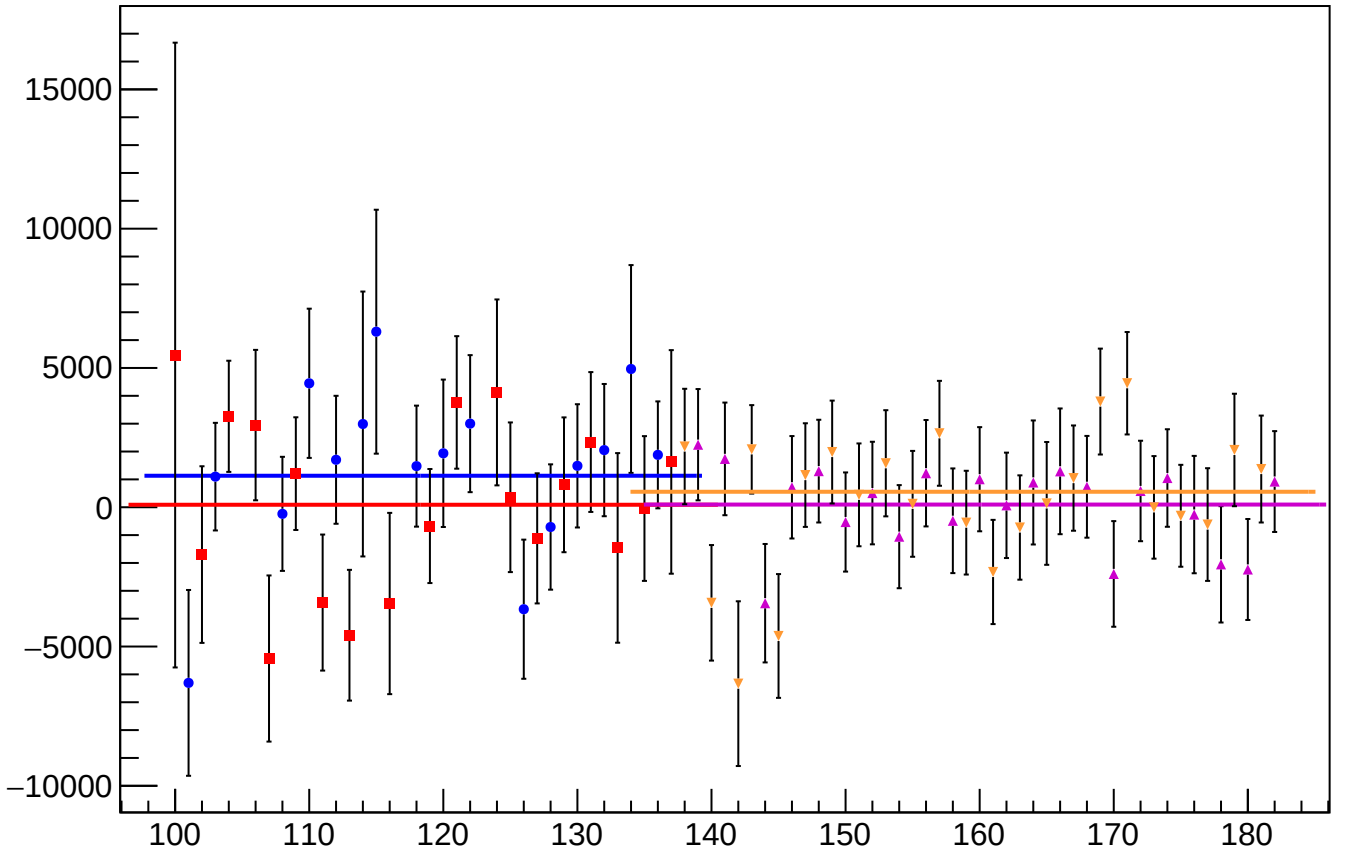
Left: 881.141+/-0.106 χ^2/NDF: 2915227.7/44

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 945.265+/-0.139 χ^2/NDF:4311662.3/37

Out: 943.124+/-0.139 χ^2/NDF:5331951.4/41

All: 944.194+/-0.099 χ^2/NDF: 9643731.5/79



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 555.941+/-402.843 χ^2/NDF:30.4/22

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 96.251+/-408.047 χ^2/NDF:11.9/21

Left: 329.046+/-286.675 χ^2/NDF: 43.0/44

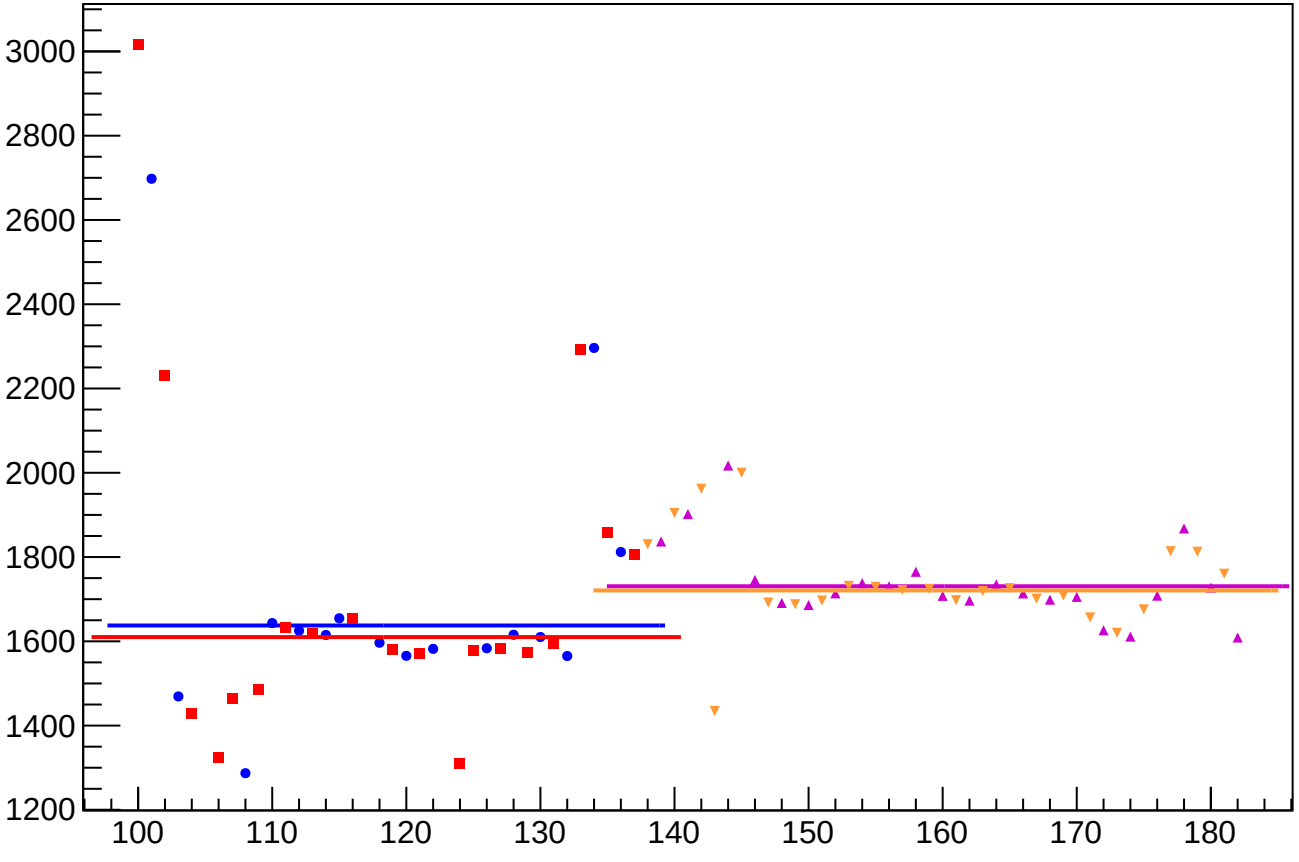
Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 410.860+/-340.390 χ^2/NDF:28.9/37

Out: 411.943+/-334.982 χ^2/NDF:51.5/41

All: 411.410+/-238.757 χ^2/NDF: 80.4/79

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1720.733+/-0.285 χ^2/NDF:152179.2/22

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1730.669+/-0.289 χ^2/NDF:95491.8/21

Left: 1725.637+/-0.203 χ^2/NDF: 248271.5/44

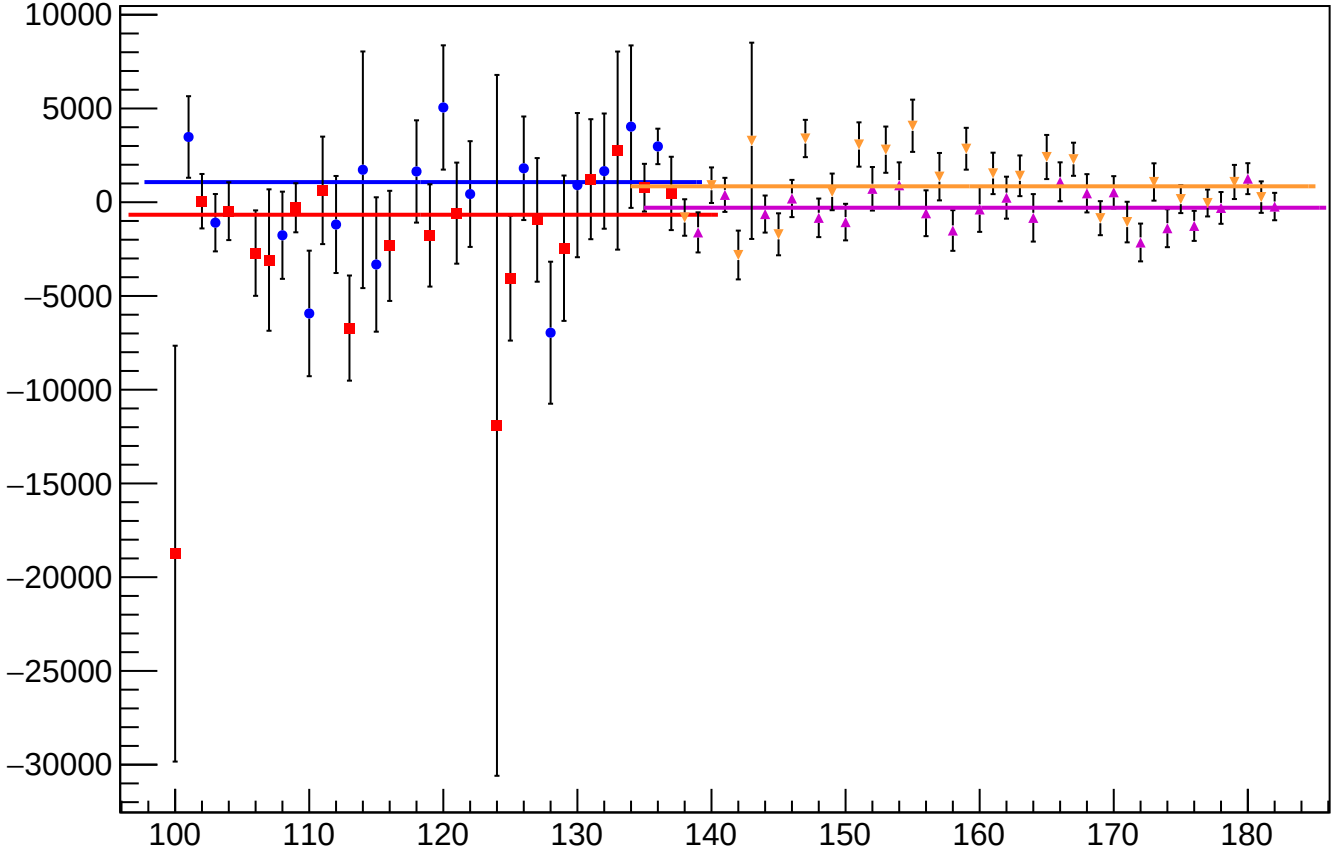
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1702.357+/-0.241 χ^2/NDF:488568.9/37

Out: 1686.581+/-0.237 χ^2/NDF:479580.6/41

All: 1694.343+/-0.169 χ^2/NDF: 970331.8/79

asym_at2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 848.825+/-212.832 χ^2/NDF:52.5/22

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -293.934+/-210.058 χ^2/NDF:19.6/21

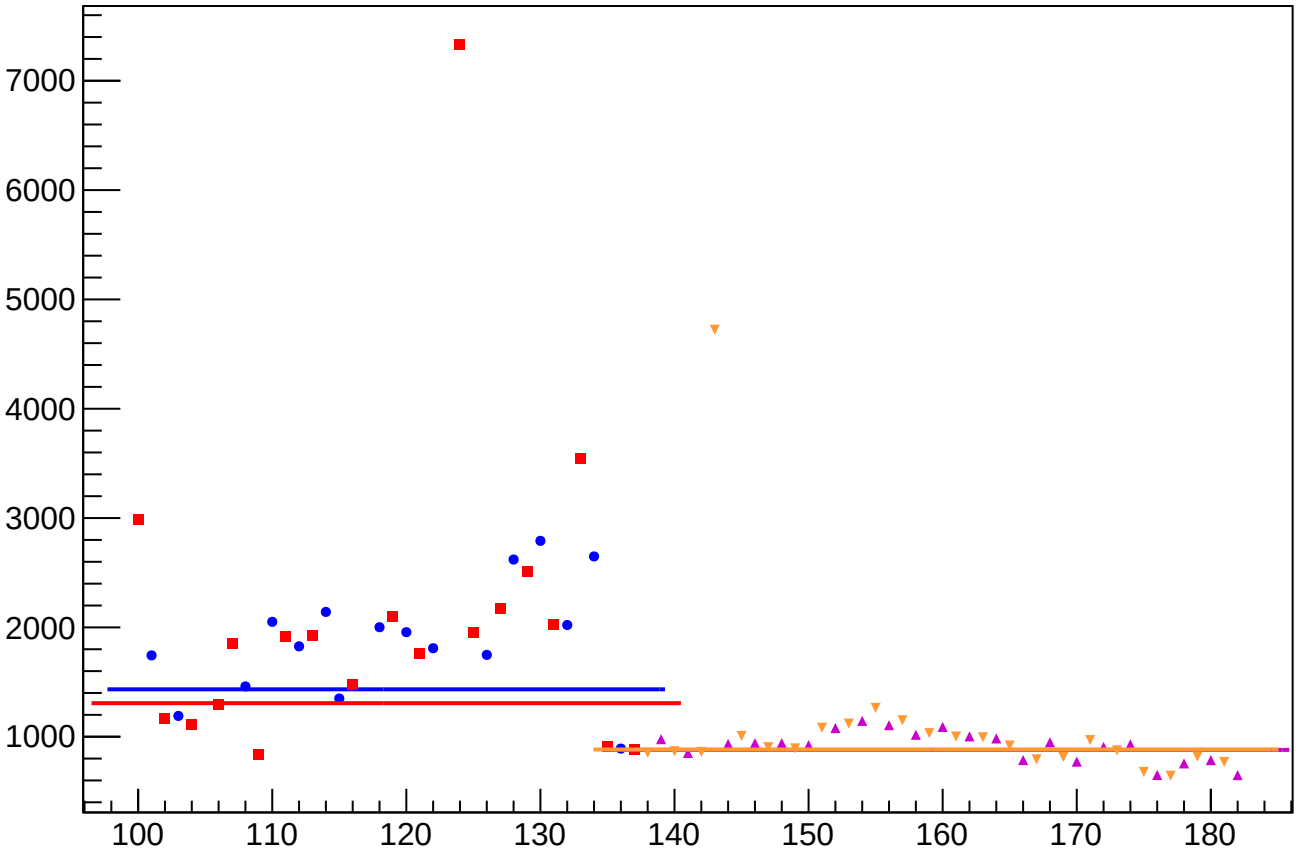
Left: 269.950+/-149.504 χ^2/NDF: 86.6/44

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: -131.231+/-197.166 χ^2/NDF:46.7/37

Out: 633.691+/-197.159 χ^2/NDF:73.2/41

All: 251.243+/-139.415 χ^2/NDF: 127.4/79



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 882.997+/-0.150 χ^2/NDF:2022758.9/22

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 879.333+/-0.149 χ^2/NDF:892166.3/21

Left: 881.141+/-0.106 χ^2/NDF: 2915225.5/44

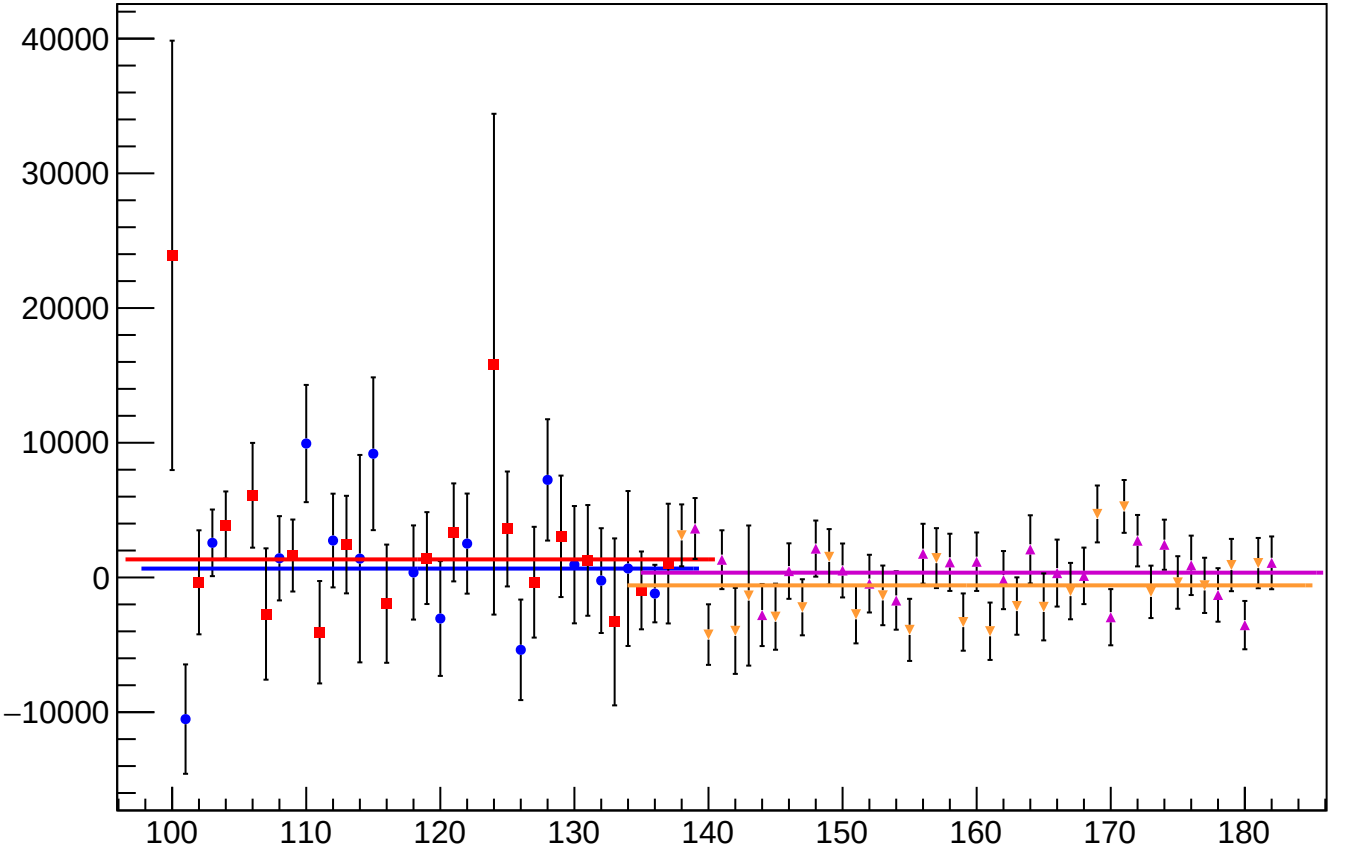
Right: 1364.632+/-0.273 χ^2/NDF: 4000599.5/34

In: 945.265+/-0.139 χ^2/NDF:4311652.0/37

Out: 943.126+/-0.139 χ^2/NDF:5331928.9/41

All: 944.195+/-0.099 χ^2/NDF: 9643698.6/79

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -586.034+/-455.617 χ^2/NDF:34.8/22

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 355.868+/-449.004 χ^2/NDF:18.1/21

Left: -108.198+/-319.806 χ^2/NDF: 55.1/44

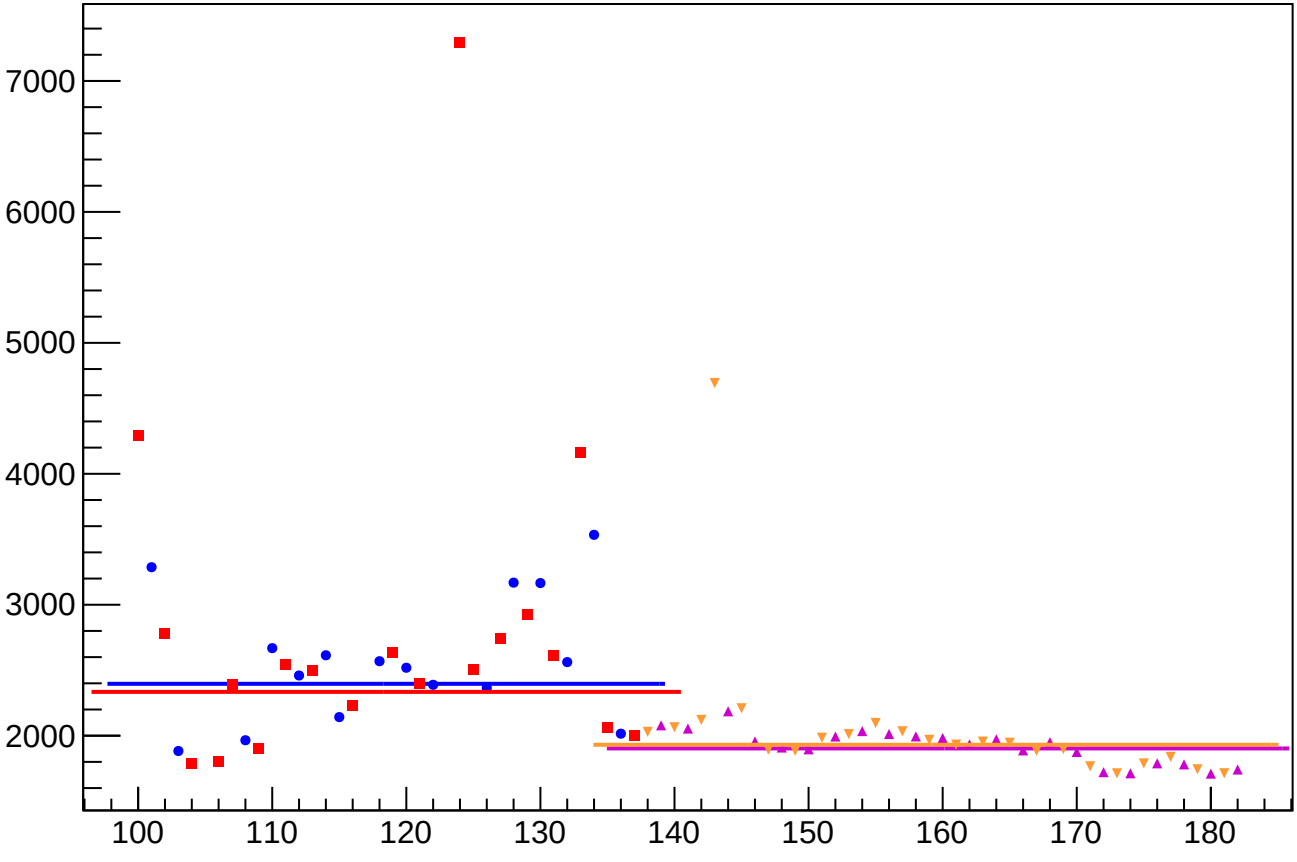
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 415.353+/-402.620 χ^2/NDF:40.2/37

Out: -186.085+/-405.617 χ^2/NDF:49.4/41

All: 116.864+/-285.749 χ^2/NDF: 90.6/79

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1930.694+/-0.322 χ^2/NDF:730251.7/22

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1902.623+/-0.317 χ^2/NDF:167614.4/21

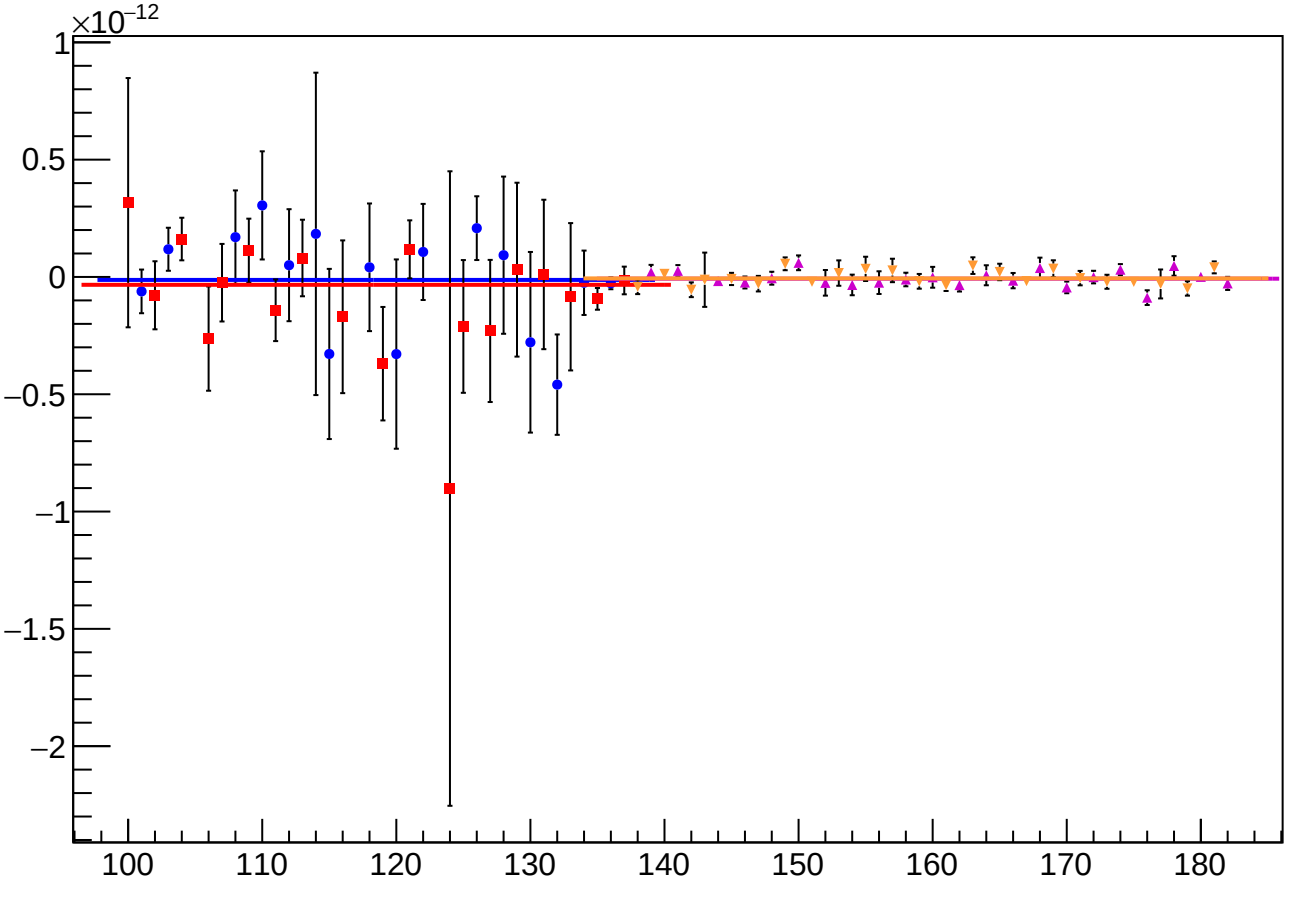
Left: 1916.453+/-0.226 χ^2/NDF: 901717.6/44

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 1999.348+/-0.285 χ^2/NDF:1149198.8/37

Out: 2014.479+/-0.287 χ^2/NDF:1737860.3/41

All: 2006.858+/-0.202 χ^2/NDF: 2888461.0/79



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/22

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:24.9/21

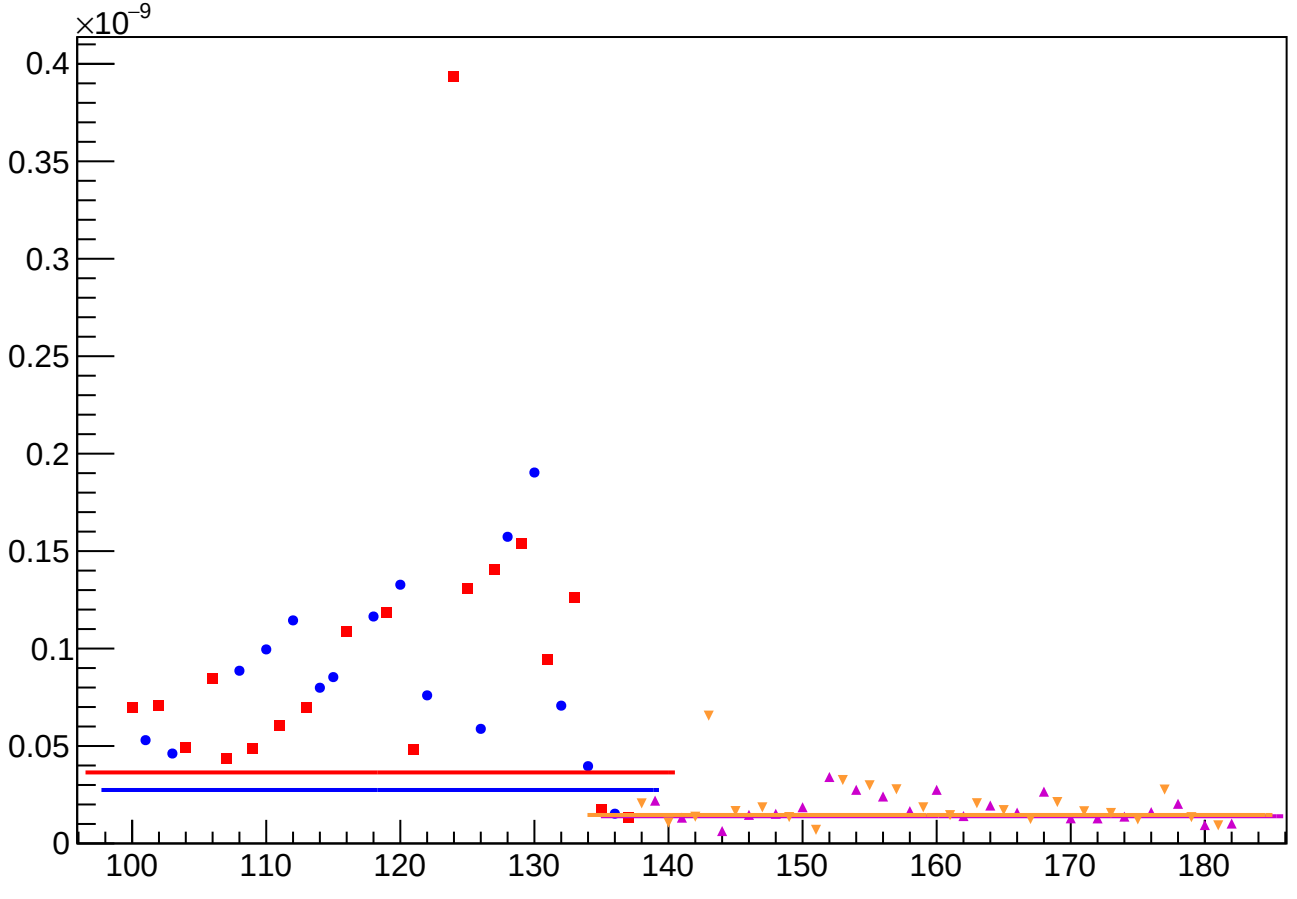
Left: -0.000+/-0.000 χ^2/NDF: 49.6/44

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:39.8/37

Out: -0.000+/-0.000 χ^2/NDF:40.7/41

All: -0.000+/-0.000 χ^2/NDF: 80.5/79



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1865343.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1944536.1/21

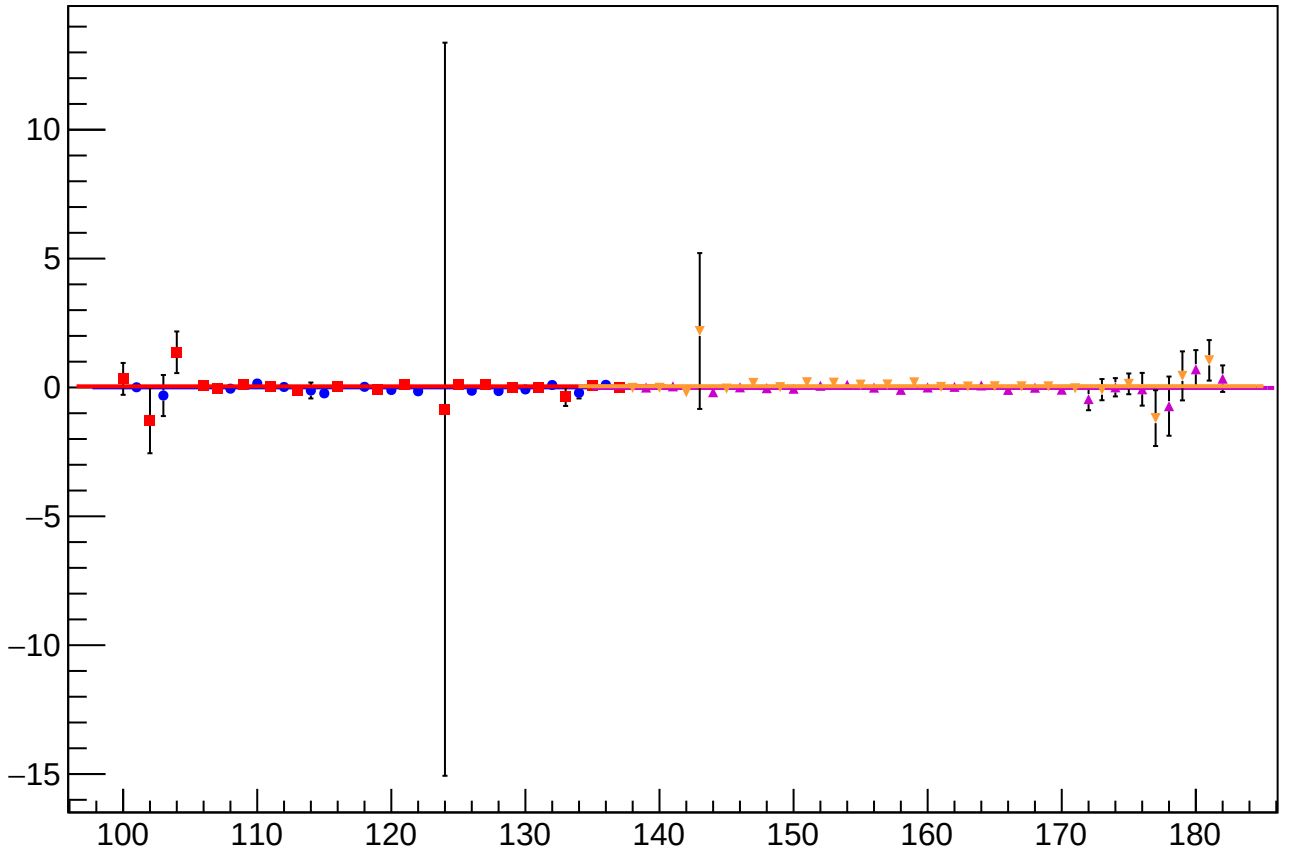
Left: 0.000+/-0.000 χ^2/NDF: 3822093.0/44

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:5361300.8/37

Out: 0.000+/-0.000 χ^2/NDF:5469704.7/41

All: 0.000+/-0.000 χ^2/NDF: 10846356.8/79



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:23.0/22

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.019+/-0.017 χ^2/NDF:14.6/21

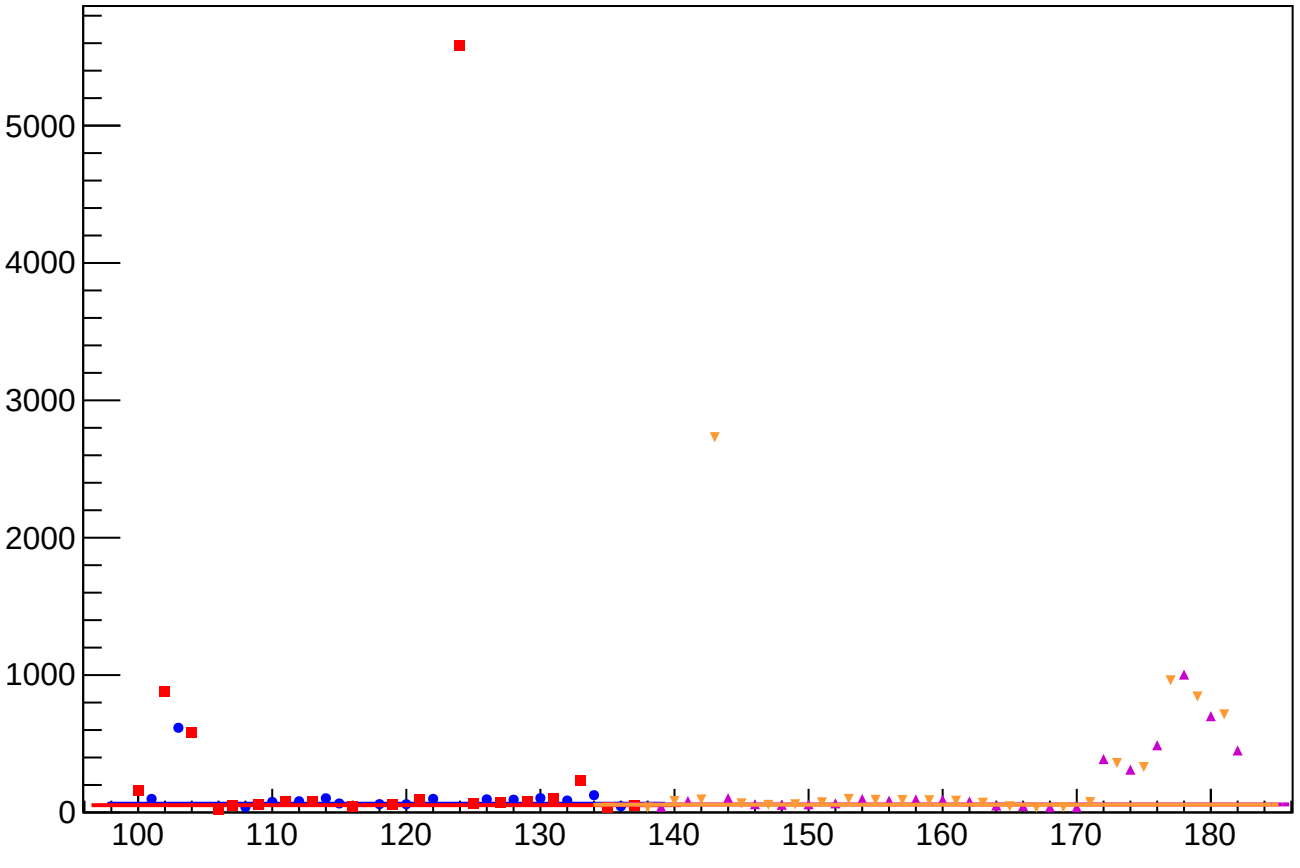
Left: 0.015+/-0.012 χ^2/NDF: 45.7/44

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.014 χ^2/NDF:28.4/37

Out: 0.047+/-0.014 χ^2/NDF:35.7/41

All: 0.018+/-0.010 χ^2/NDF: 73.1/79



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 56.653+/-0.012 χ^2/NDF:10749898.6/22

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 58.399+/-0.012 χ^2/NDF:9813472.8/21

Left: 57.521+/-0.009 χ^2/NDF: 20573805.6/44

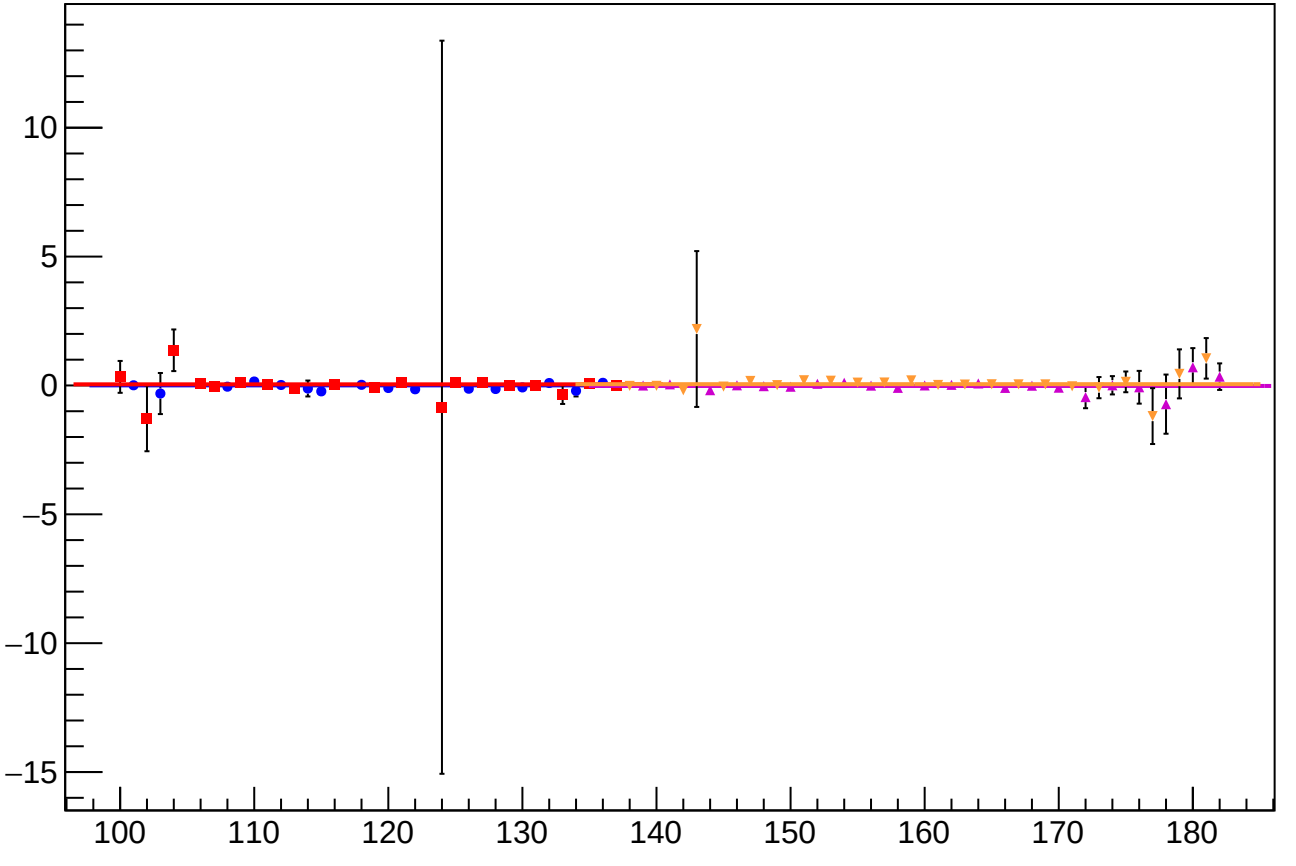
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.834+/-0.010 χ^2/NDF:12308153.4/37

Out: 55.550+/-0.010 χ^2/NDF:14721871.5/41

All: 57.625+/-0.007 χ^2/NDF: 27120052.3/79

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:23.0/22

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.019+/-0.017 χ^2/NDF:14.6/21

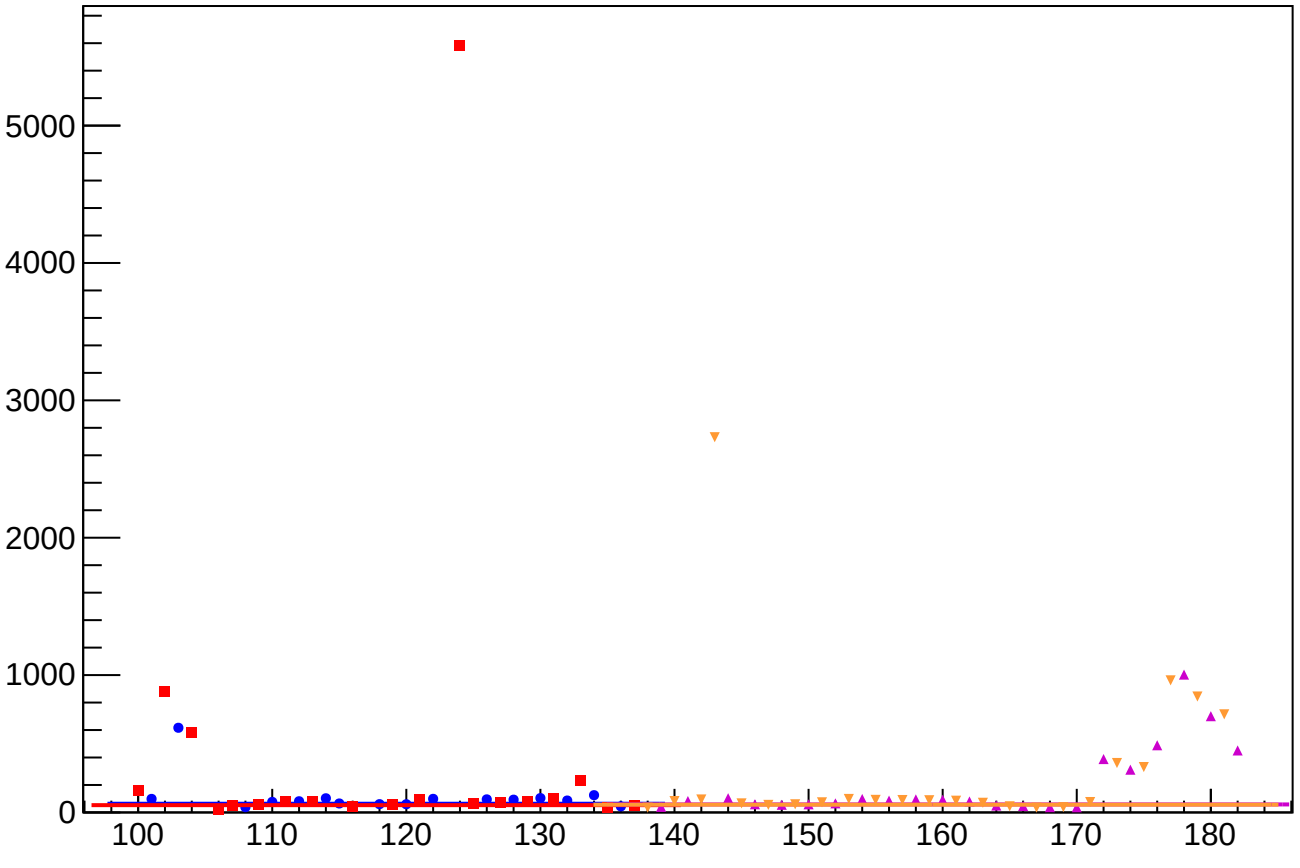
Left: 0.015+/-0.012 χ^2/NDF: 45.7/44

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.014 χ^2/NDF:28.4/37

Out: 0.047+/-0.014 χ^2/NDF:35.7/41

All: 0.018+/-0.010 χ^2/NDF: 73.1/79



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 56.653+/-0.012 χ^2/NDF:10749898.6/22

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 58.399+/-0.012 χ^2/NDF:9813472.8/21

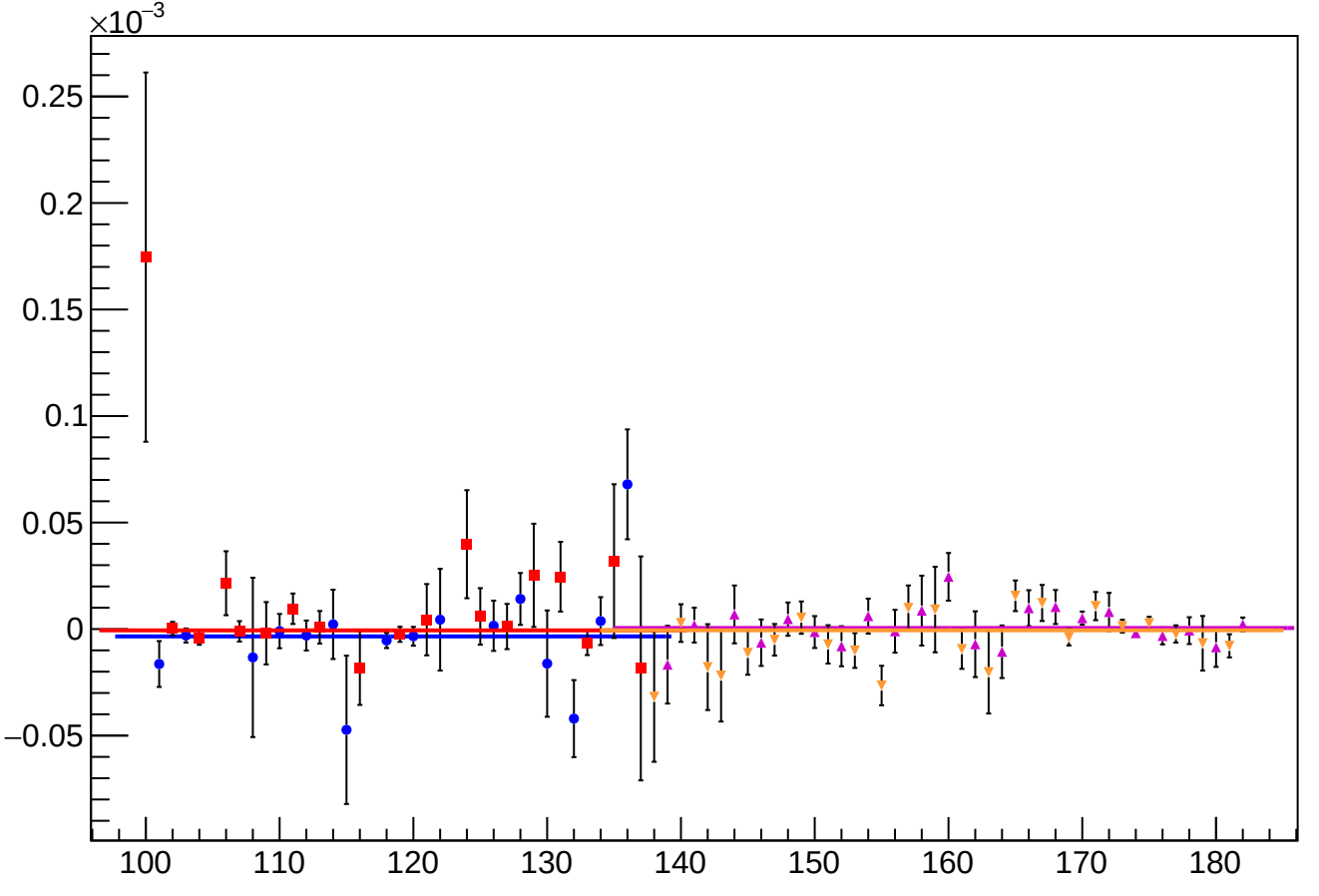
Left: 57.521+/-0.009 χ^2/NDF: 20573805.6/44

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.834+/-0.010 χ^2/NDF:12308153.4/37

Out: 55.550+/-0.010 χ^2/NDF:14721871.5/41

All: 57.625+/-0.007 χ^2/NDF: 27120052.3/79



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.6/21

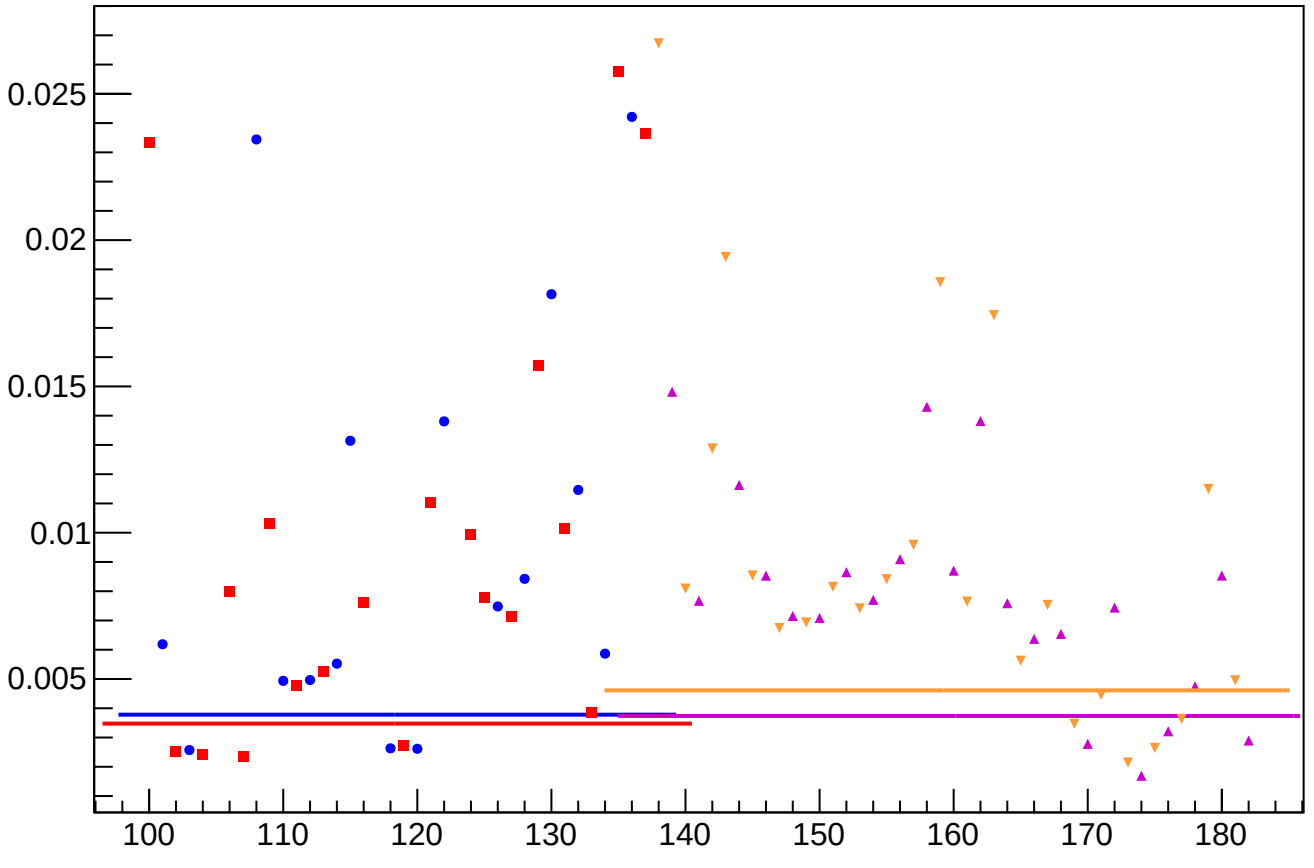
Left: 0.000+/-0.000 χ^2/NDF: 51.7/44

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:40.9/37

Out: -0.000+/-0.000 χ^2/NDF:51.8/41

All: -0.000+/-0.000 χ^2/NDF: 92.7/79



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.005+/-0.000 χ^2/NDF:10024611.4/22

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.004+/-0.000 χ^2/NDF:11095769.6/21

Left: 0.004+/-0.000 χ^2/NDF: 21619031.0/44

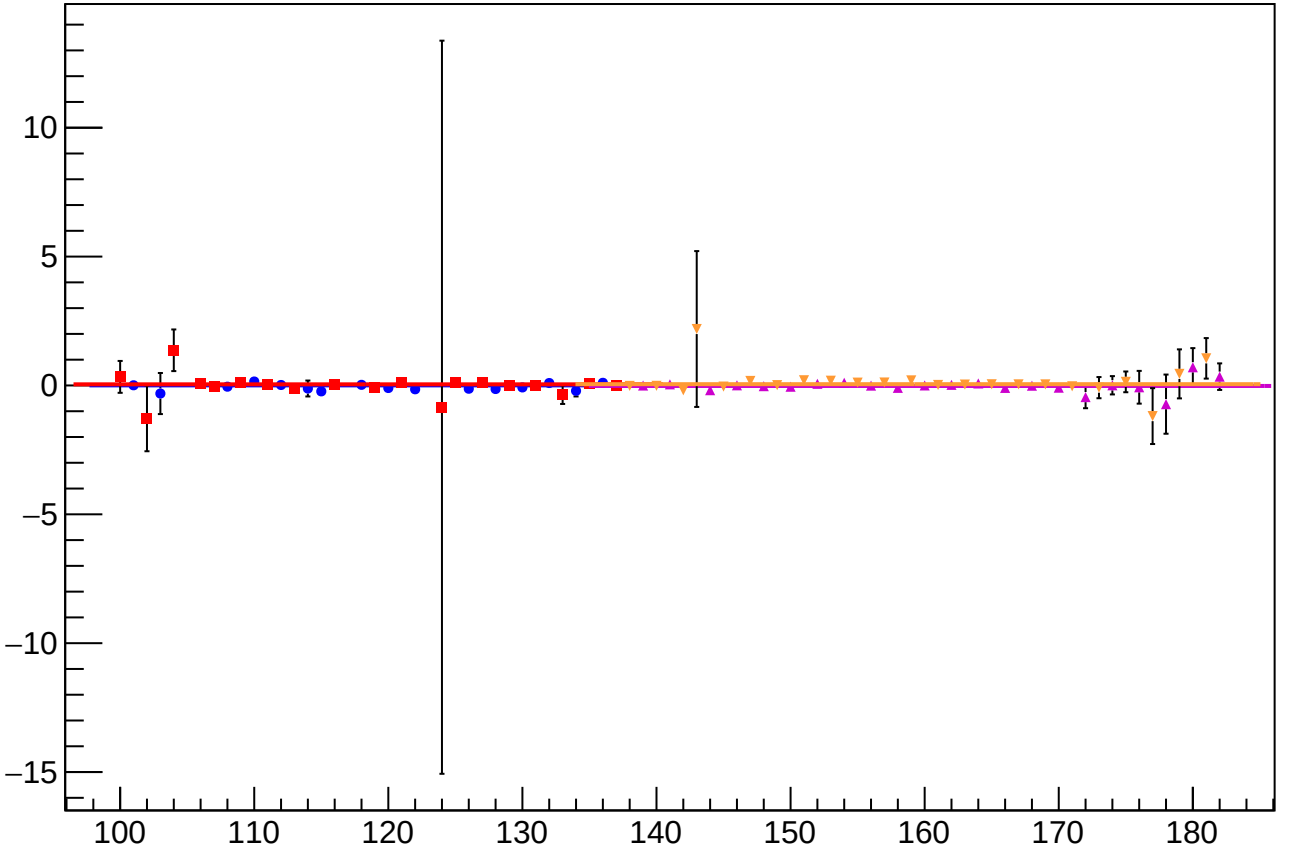
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:15816120.3/37

Out: 0.004+/-0.000 χ^2/NDF:15144370.5/41

All: 0.004+/-0.000 χ^2/NDF: 31109662.4/79

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:23.0/22

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.019+/-0.017 χ^2/NDF:14.6/21

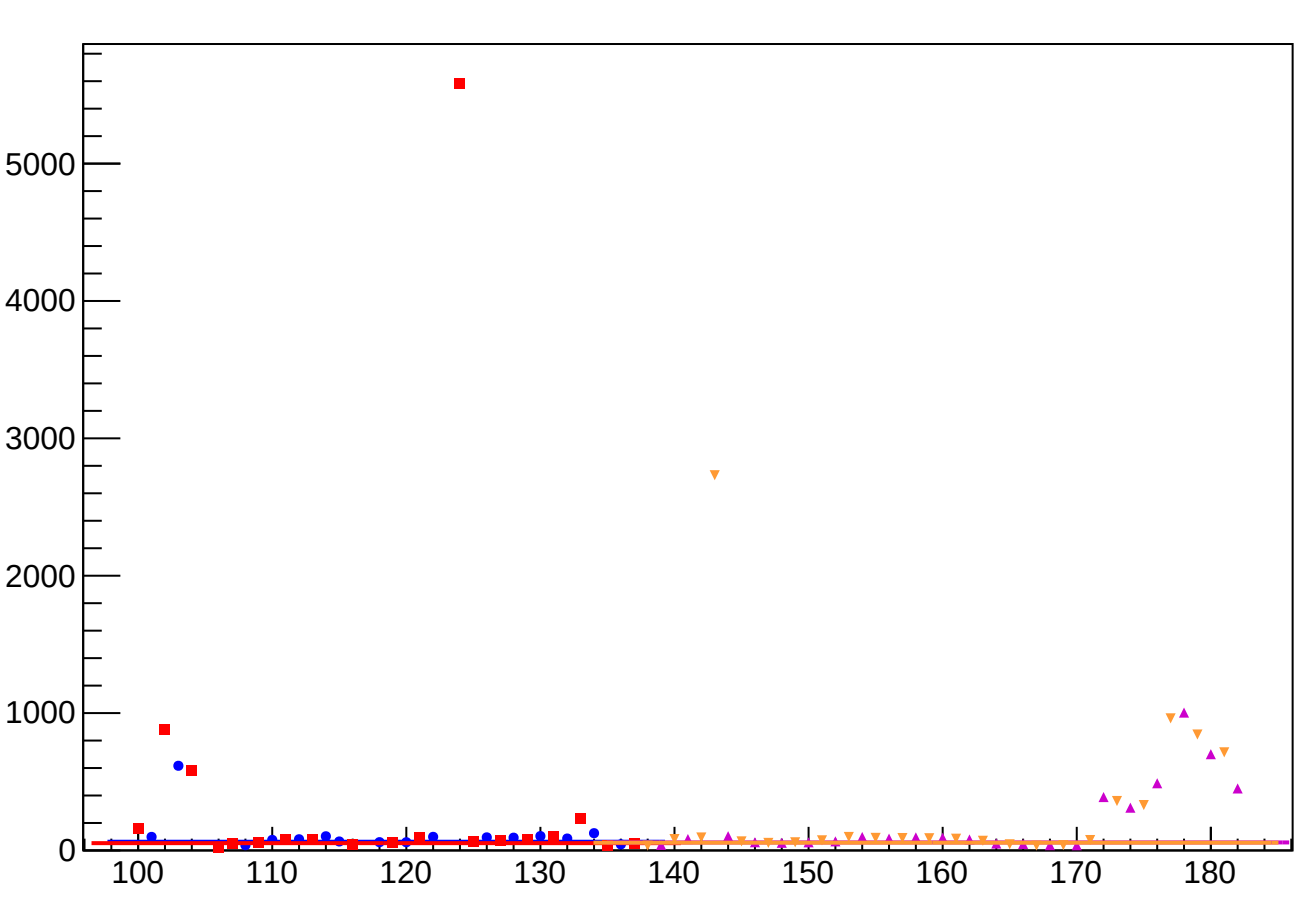
Left: 0.015+/-0.012 χ^2/NDF: 45.7/44

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.014 χ^2/NDF:28.4/37

Out: 0.047+/-0.014 χ^2/NDF:35.7/41

All: 0.018+/-0.010 χ^2/NDF: 73.1/79



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 56.652+/-0.012 χ^2/NDF:10749631.7/22

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 58.401+/-0.012 χ^2/NDF:9812972.3/21

Left: 57.522+/-0.009 χ^2/NDF: 20573079.8/44

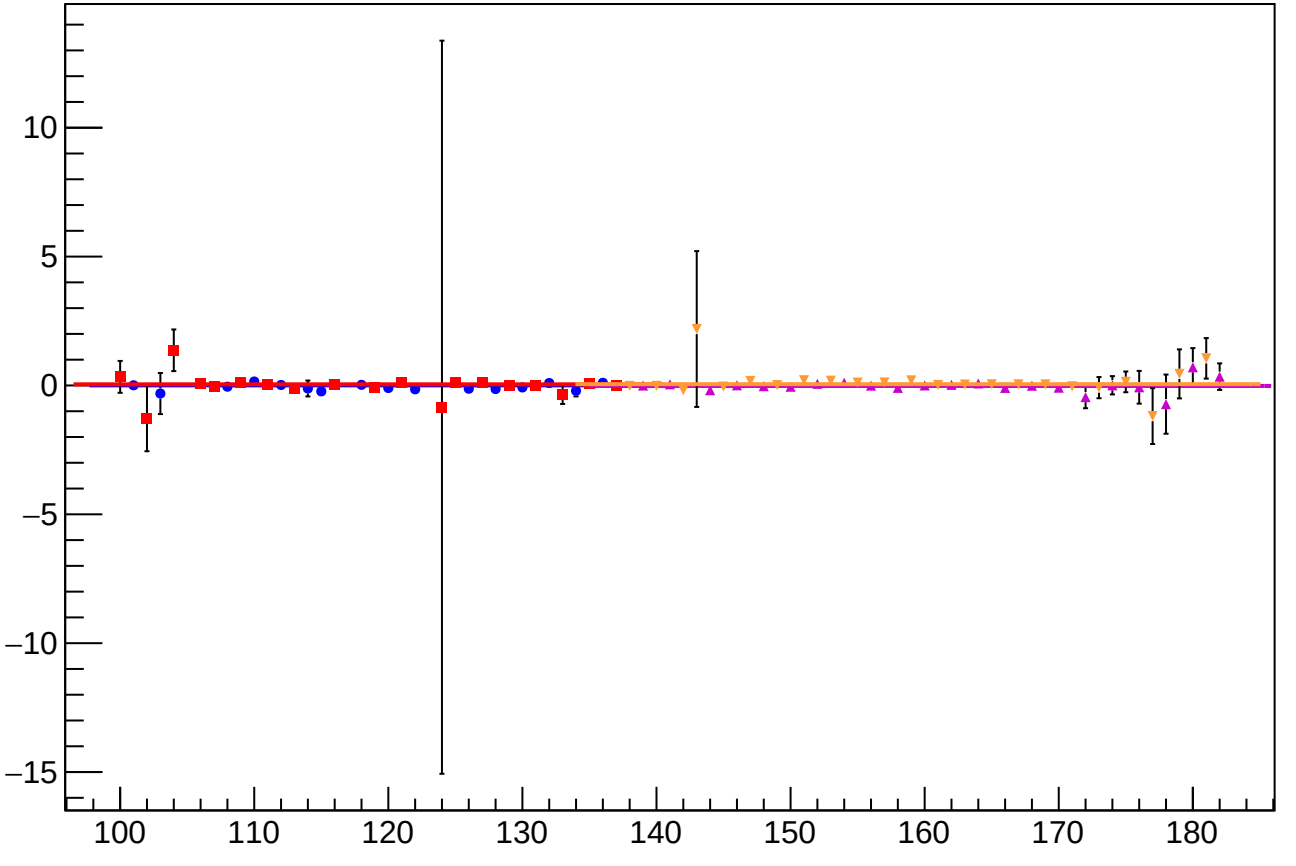
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.838+/-0.010 χ^2/NDF:12306875.7/37

Out: 55.548+/-0.010 χ^2/NDF:14722216.6/41

All: 57.625+/-0.007 χ^2/NDF: 27119392.6/79

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:23.0/22

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.019+/-0.017 χ^2/NDF:14.6/21

Left: 0.015+/-0.012 χ^2/NDF: 45.7/44

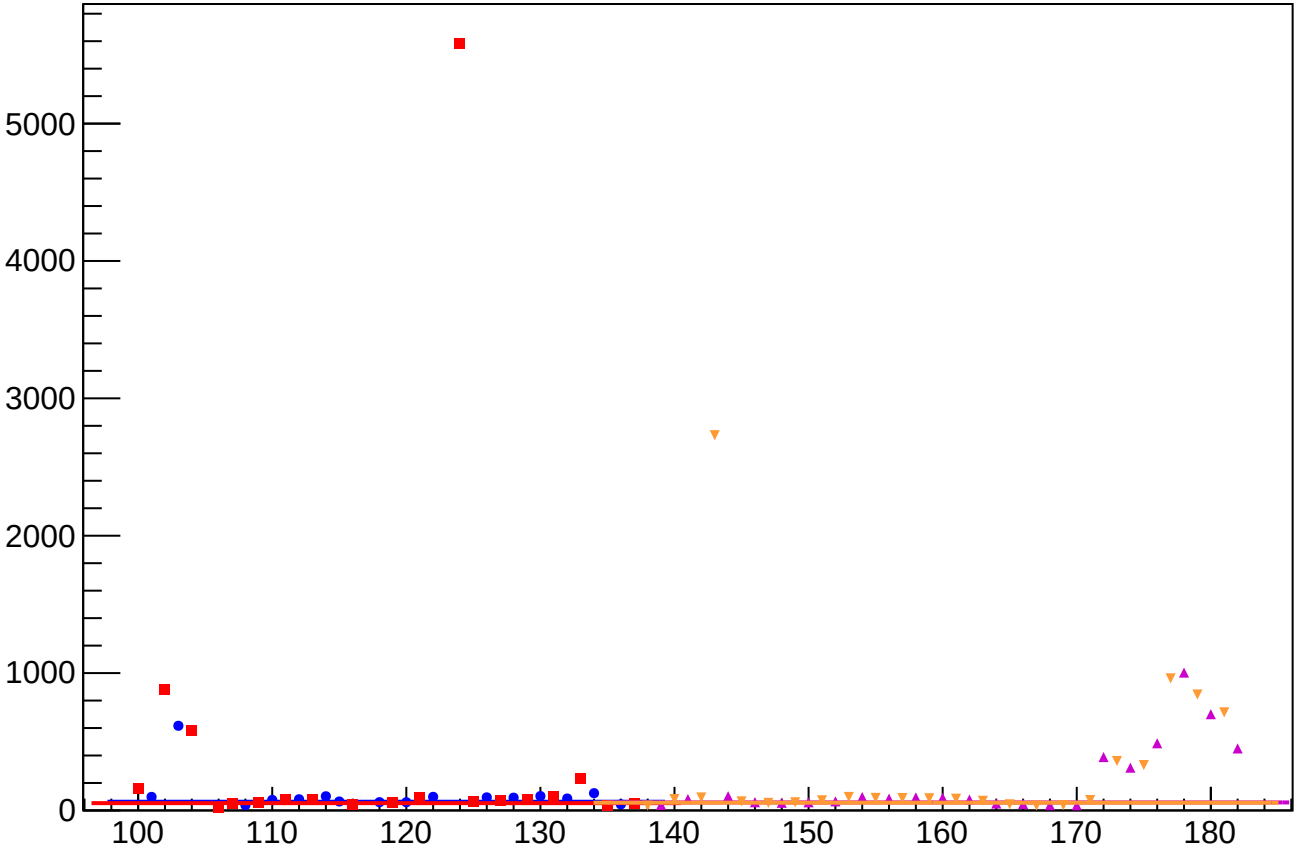
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.014 χ^2/NDF:28.4/37

Out: 0.047+/-0.014 χ^2/NDF:35.7/41

All: 0.018+/-0.010 χ^2/NDF: 73.1/79

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: 56.652+/-0.012 χ^2/NDF:10749631.7/22

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 58.401+/-0.012 χ^2/NDF:9812972.3/21

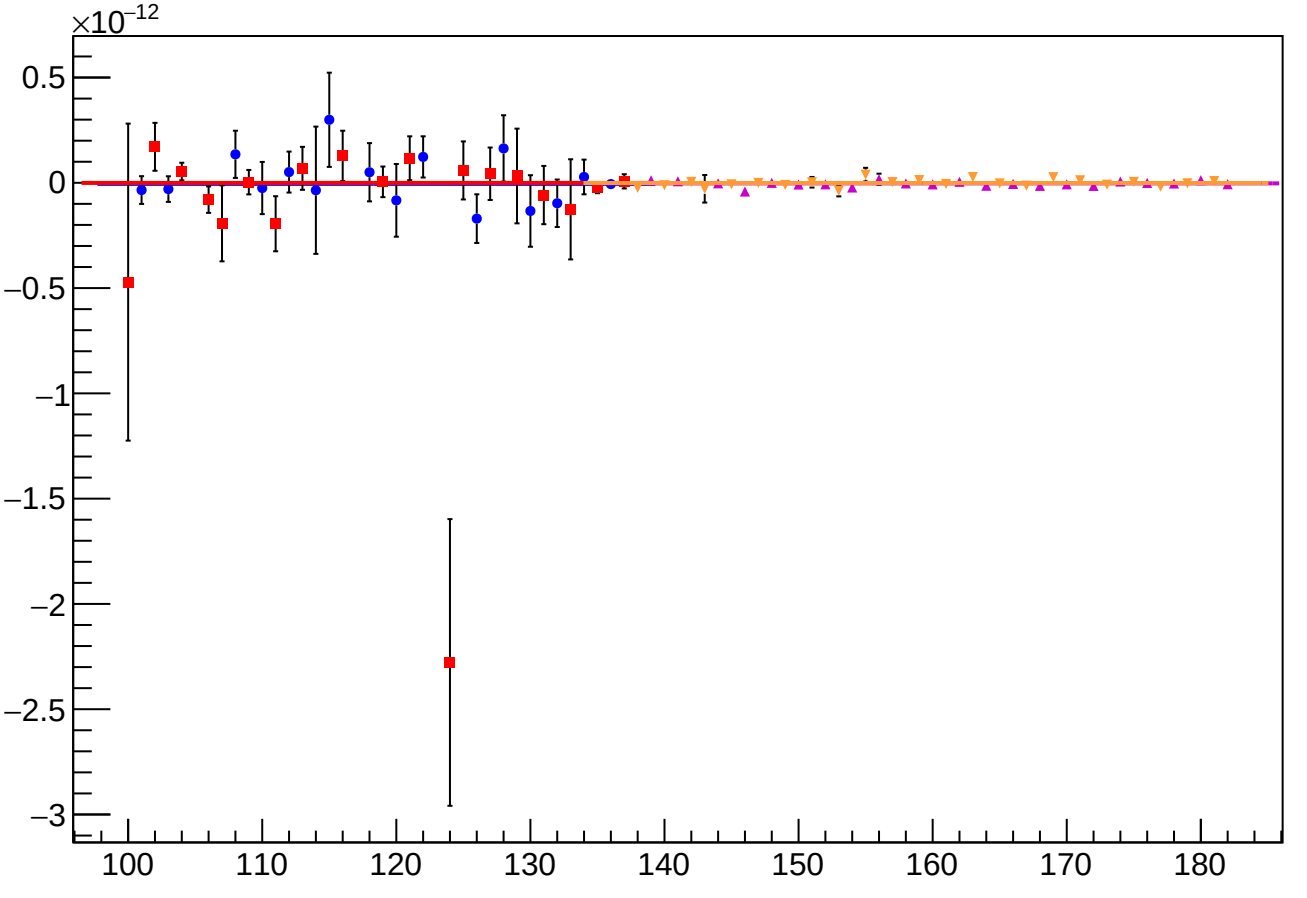
Left: 57.522+/-0.009 χ^2/NDF: 20573079.8/44

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.838+/-0.010 χ^2/NDF:12306875.7/37

Out: 55.548+/-0.010 χ^2/NDF:14722216.6/41

All: 57.625+/-0.007 χ^2/NDF: 27119392.6/79



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/22

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/21

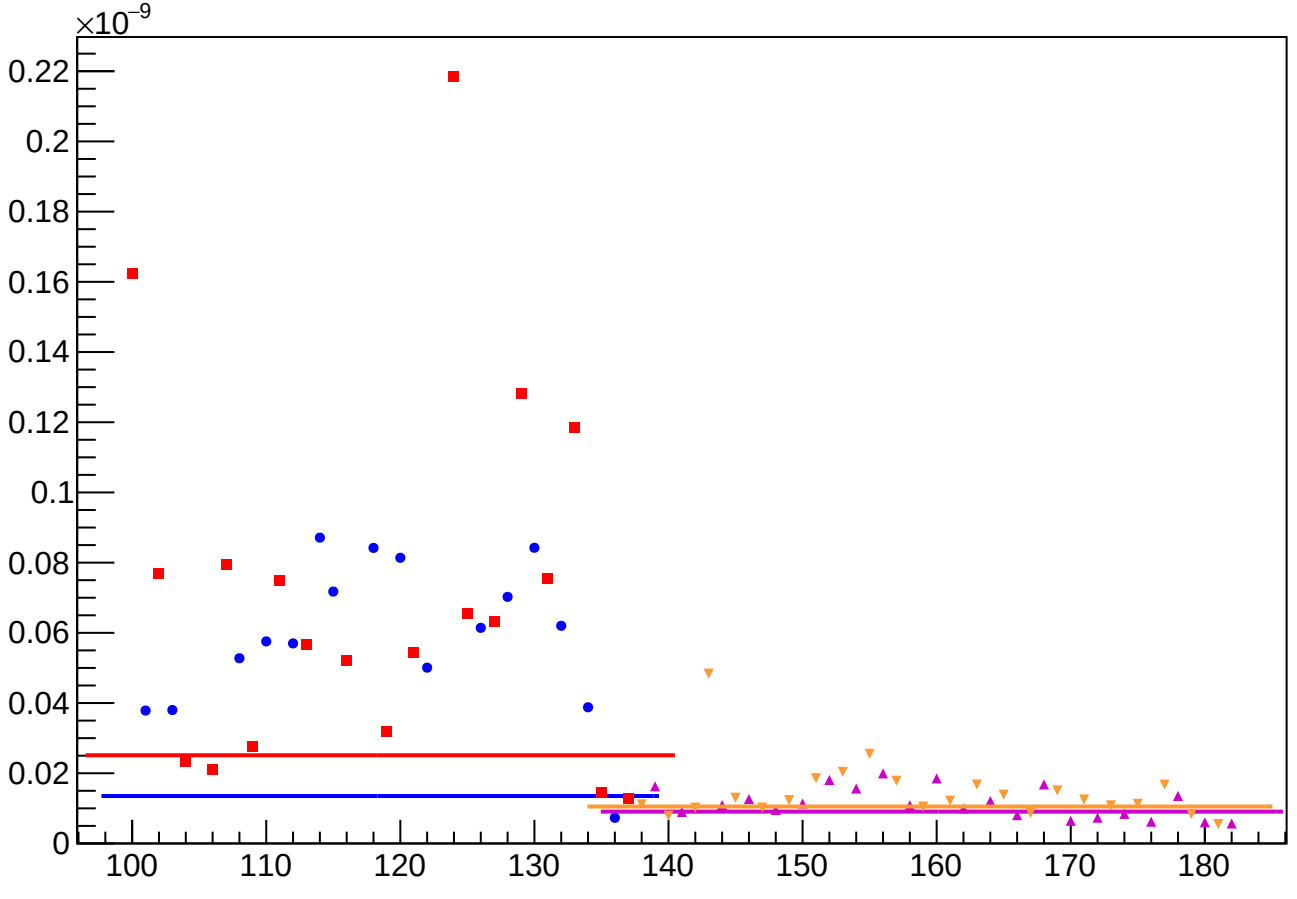
Left: -0.000+/-0.000 χ^2/NDF: 31.5/44

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:26.0/37

Out: -0.000+/-0.000 χ^2/NDF:41.3/41

All: -0.000+/-0.000 χ^2/NDF: 67.5/79



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3507218.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3040935.6/21

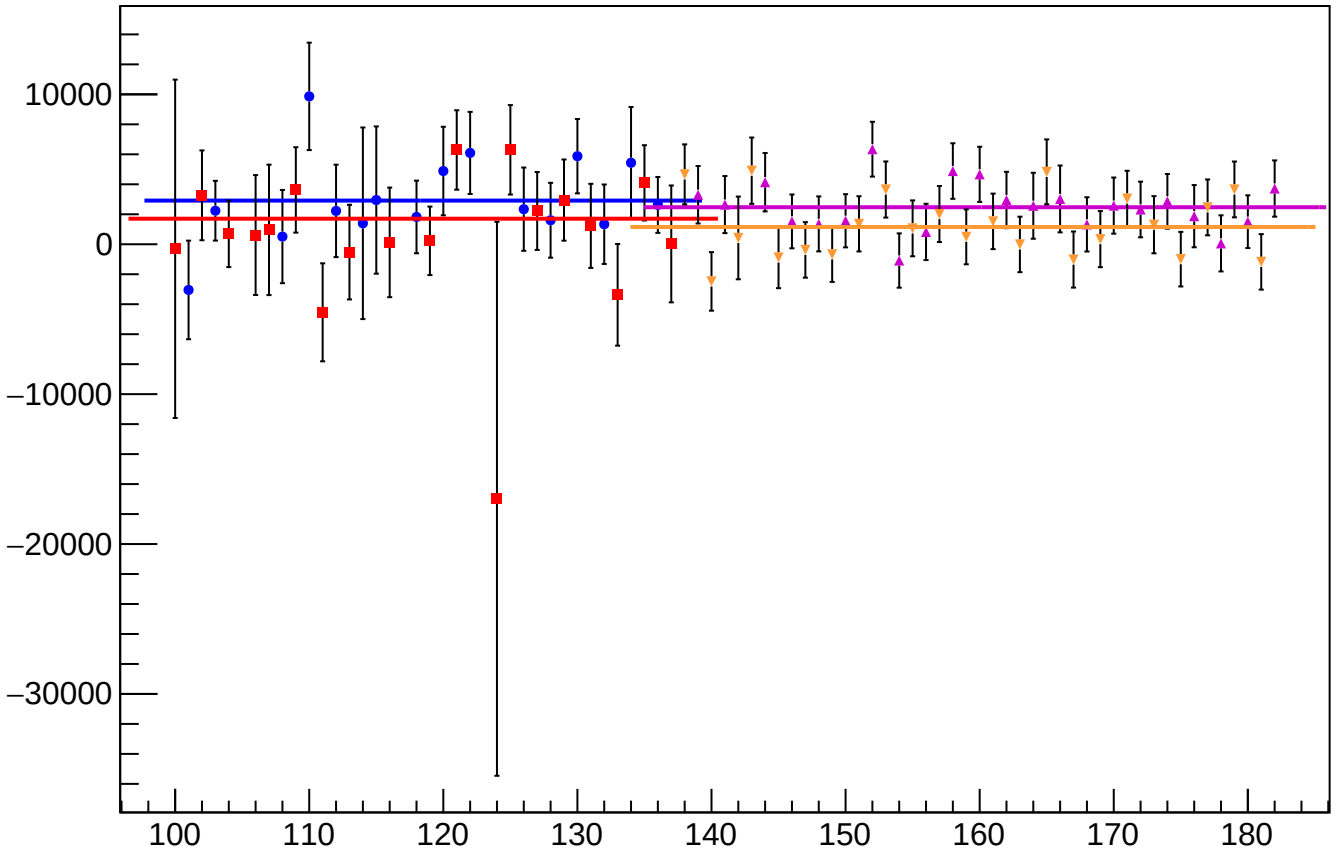
Left: 0.000+/-0.000 χ^2/NDF: 6777385.7/44

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:8381097.1/37

Out: 0.000+/-0.000 χ^2/NDF:8887747.6/41

All: 0.000+/-0.000 χ^2/NDF: 17626829.3/79



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1150.898+/-400.761 χ^2/NDF:25.4/22

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2470.305+/-401.364 χ^2/NDF:17.1/21

Left: 1809.609+/-283.594 χ^2/NDF: 48.0/44

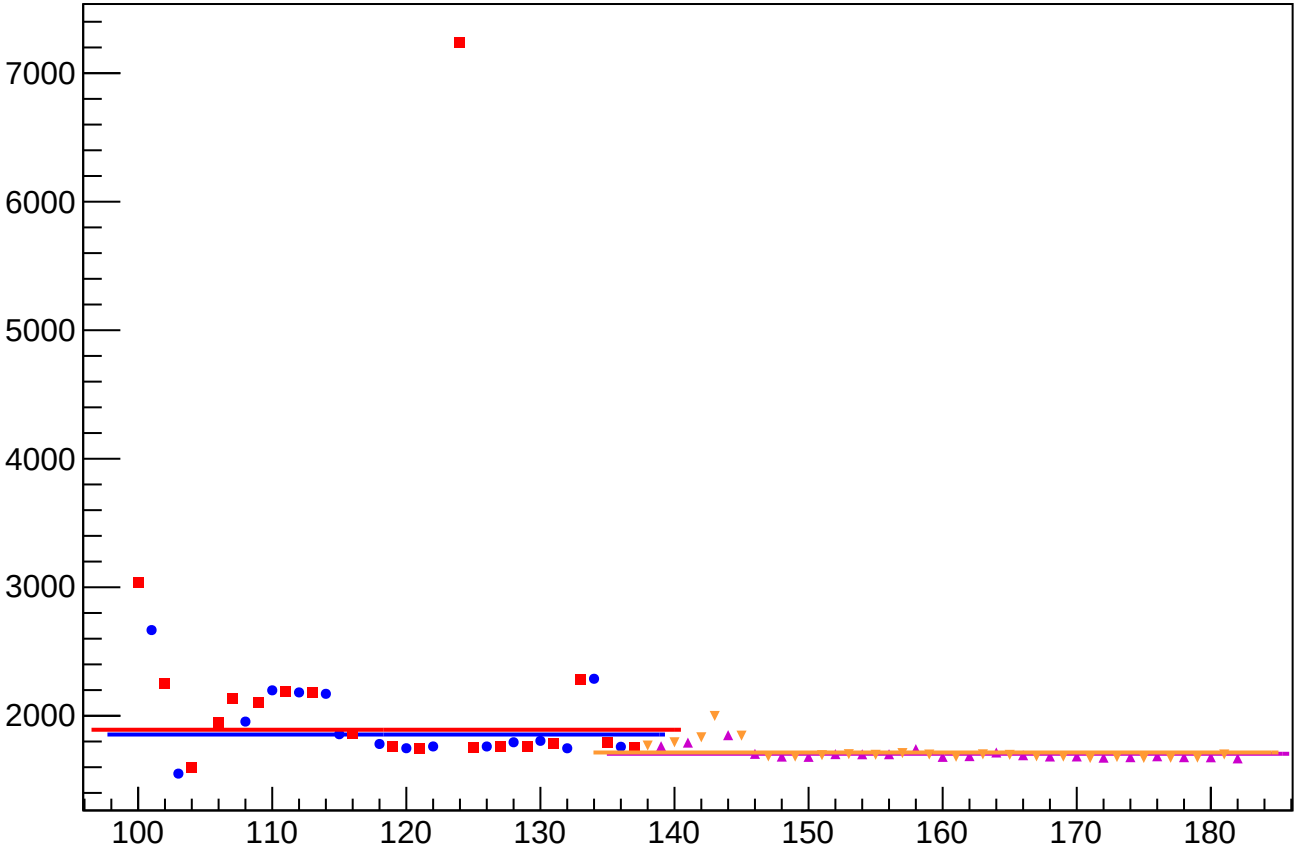
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2581.006+/-347.576 χ^2/NDF:29.9/37

Out: 1285.664+/-348.625 χ^2/NDF:41.7/41

All: 1935.287+/-246.144 χ^2/NDF: 78.5/79

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1714.512+/-0.283 χ^2/NDF:58415.3/22

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1704.500+/-0.284 χ^2/NDF:22360.8/21

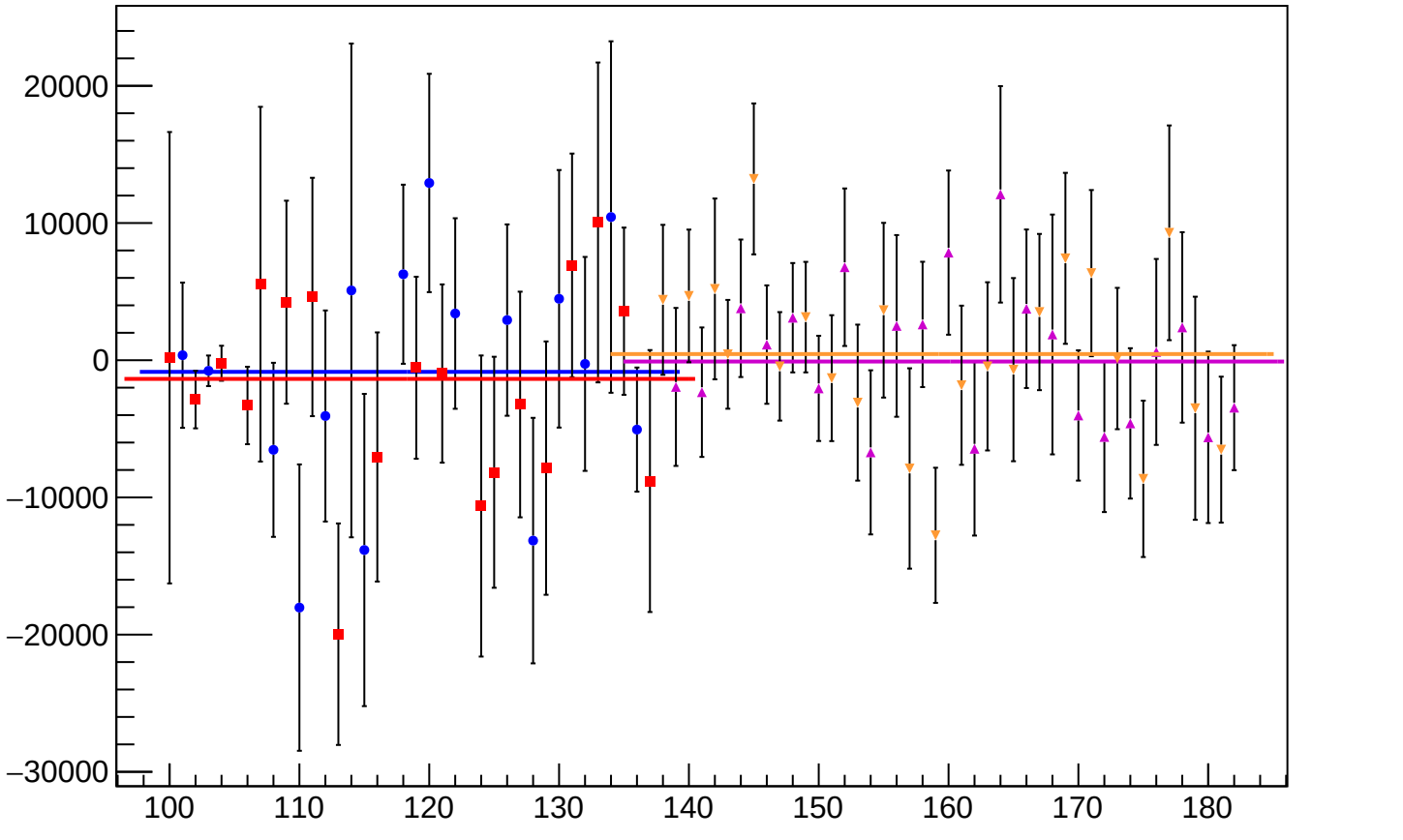
Left: 1709.514+/-0.201 χ^2/NDF: 81399.3/44

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1741.963+/-0.246 χ^2/NDF:355363.3/37

Out: 1757.710+/-0.246 χ^2/NDF:517654.9/41

All: 1749.817+/-0.174 χ^2/NDF: 875065.6/79



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 450.609+/-1130.397 χ^2/NDF:25.5/22

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: -95.002+/-1141.101 χ^2/NDF:14.6/21

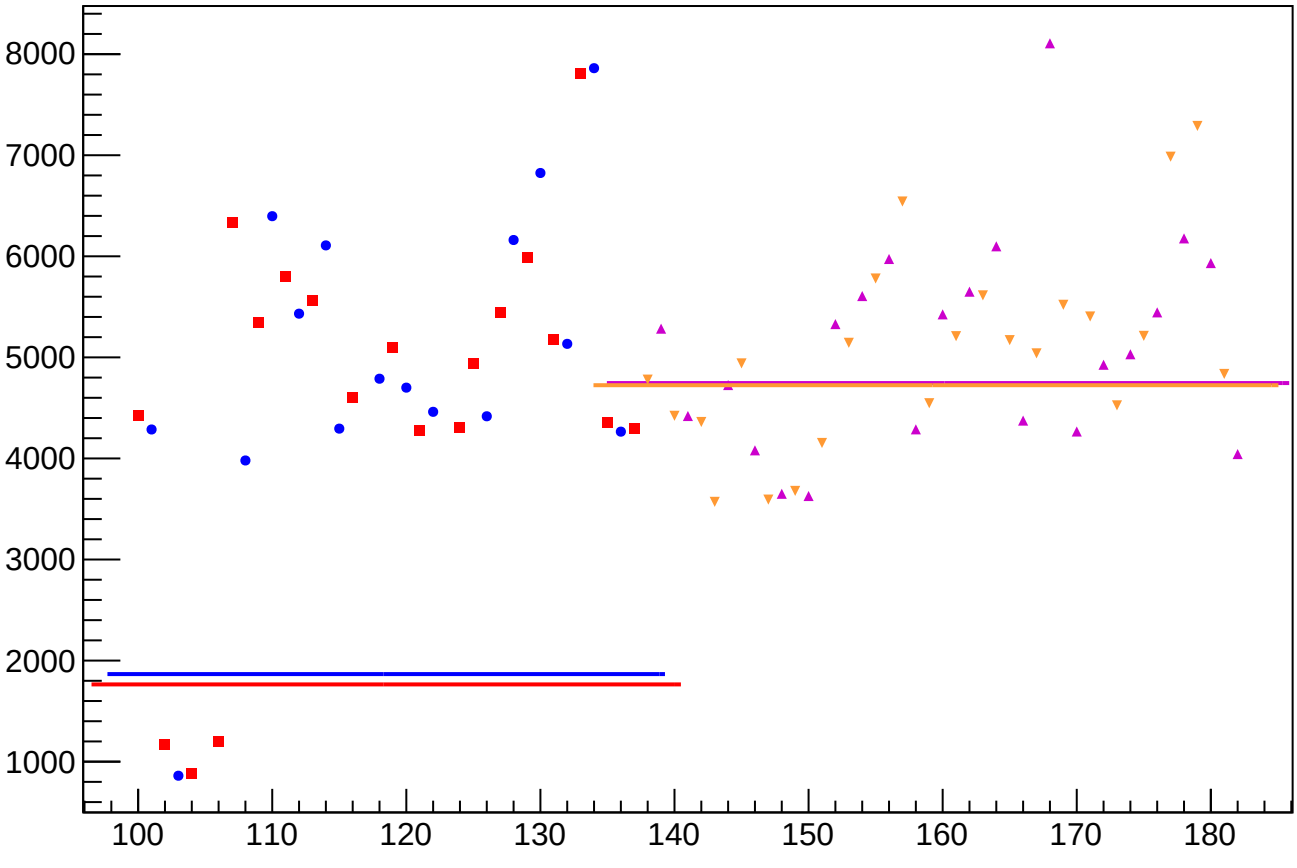
Left: 180.374+/-803.069 χ^2/NDF: 40.1/44

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -534.802+/-735.914 χ^2/NDF:28.7/37

Out: -643.320+/-711.639 χ^2/NDF:41.0/41

All: -590.880+/-511.571 χ^2/NDF: 69.7/79



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4724.610+/-0.799 χ^2/NDF:1222312.4/22

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4745.842+/-0.807 χ^2/NDF:1230258.3/21

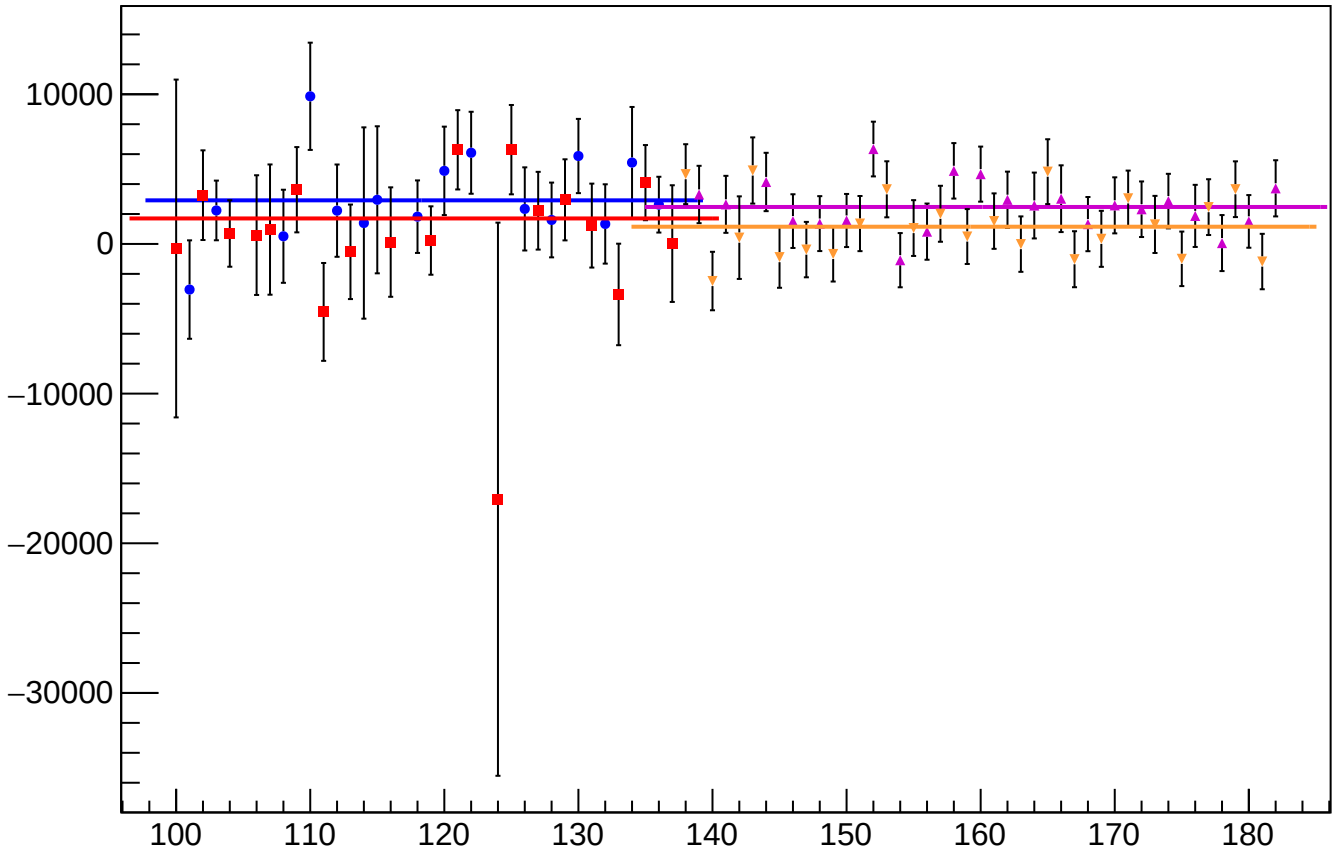
Left: 4735.126+/-0.568 χ^2/NDF: 2452920.2/44

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 3064.012+/-0.520 χ^2/NDF:15518166.0/37

Out: 2937.549+/-0.503 χ^2/NDF:15937447.1/41

All: 2998.660+/-0.362 χ^2/NDF: 31486133.9/7



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1150.783+/-400.761 χ^2/NDF:25.4/22

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2470.246+/-401.364 χ^2/NDF:17.1/21

Left: 1809.522+/-283.594 χ^2/NDF: 48.0/44

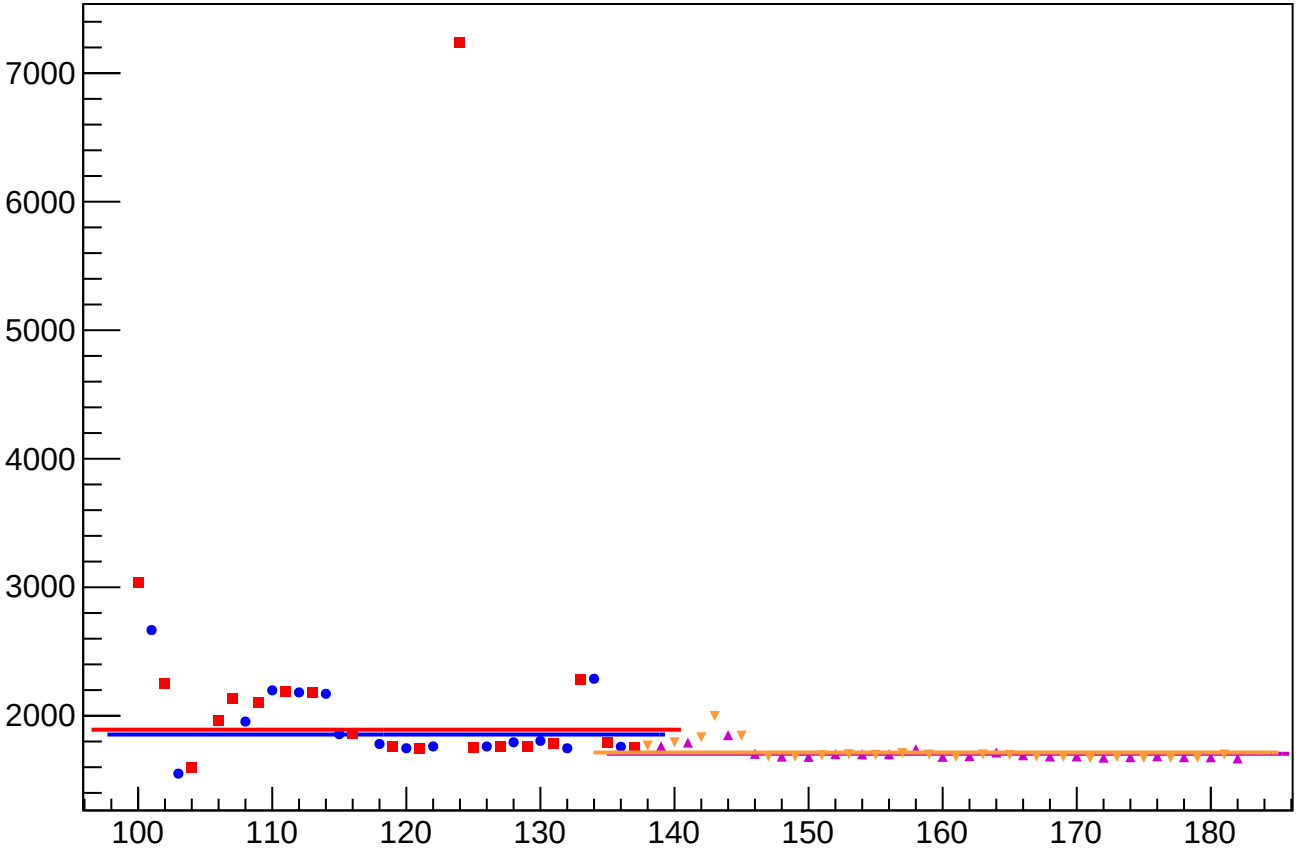
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2580.986+/-347.576 χ^2/NDF:29.9/37

Out: 1285.242+/-348.625 χ^2/NDF:41.7/41

All: 1935.066+/-246.144 χ^2/NDF: 78.6/79

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1714.512+/-0.283 χ^2/NDF:58415.3/22

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1704.500+/-0.284 χ^2/NDF:22360.8/21

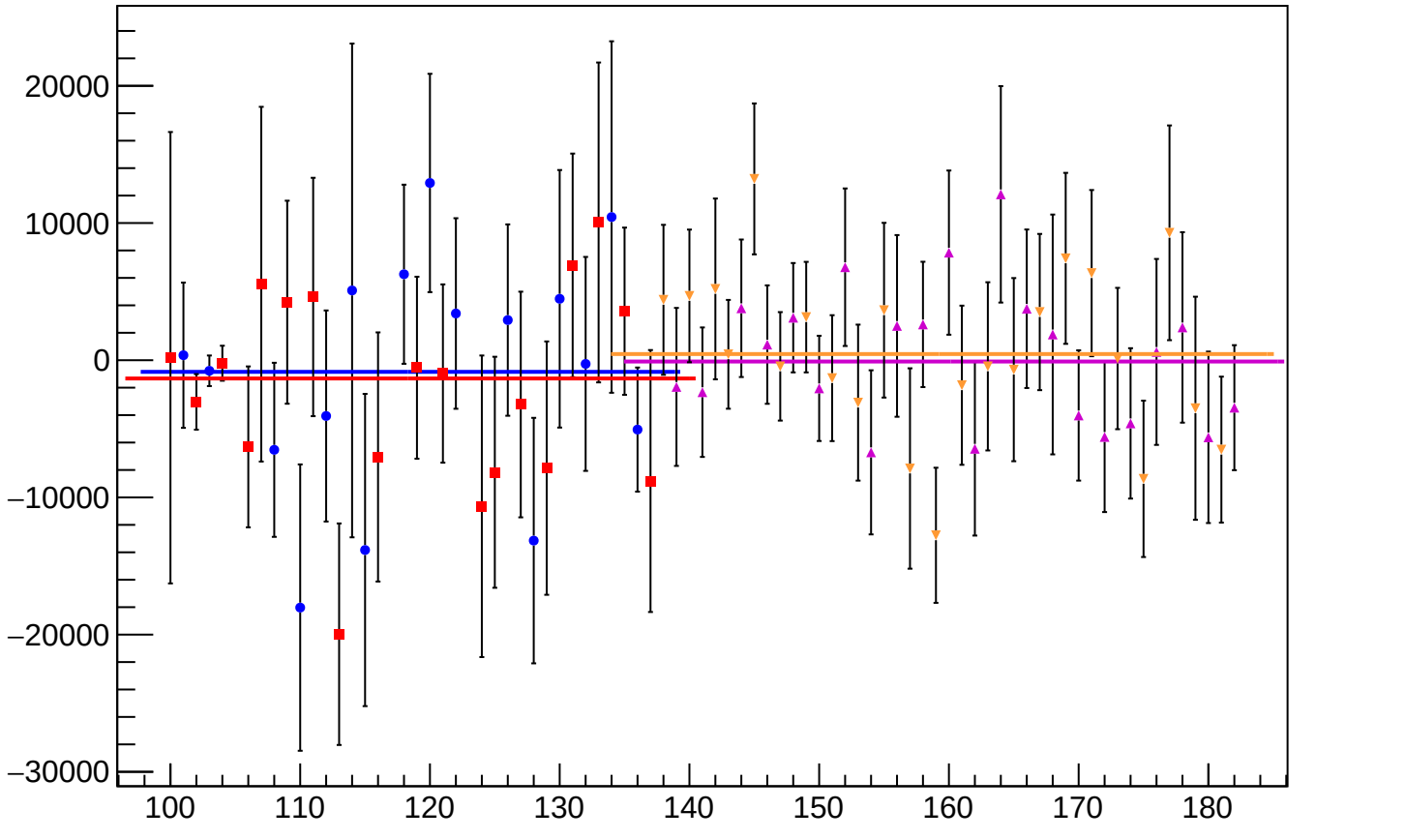
Left: 1709.514+/-0.201 χ^2/NDF: 81399.3/44

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1741.963+/-0.246 χ^2/NDF:355363.2/37

Out: 1757.807+/-0.246 χ^2/NDF:518357.4/41

All: 1749.865+/-0.174 χ^2/NDF: 875793.2/79



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 450.623+/-1130.395 χ^2/NDF:25.5/22

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -95.004+/-1141.101 χ^2/NDF:14.6/21

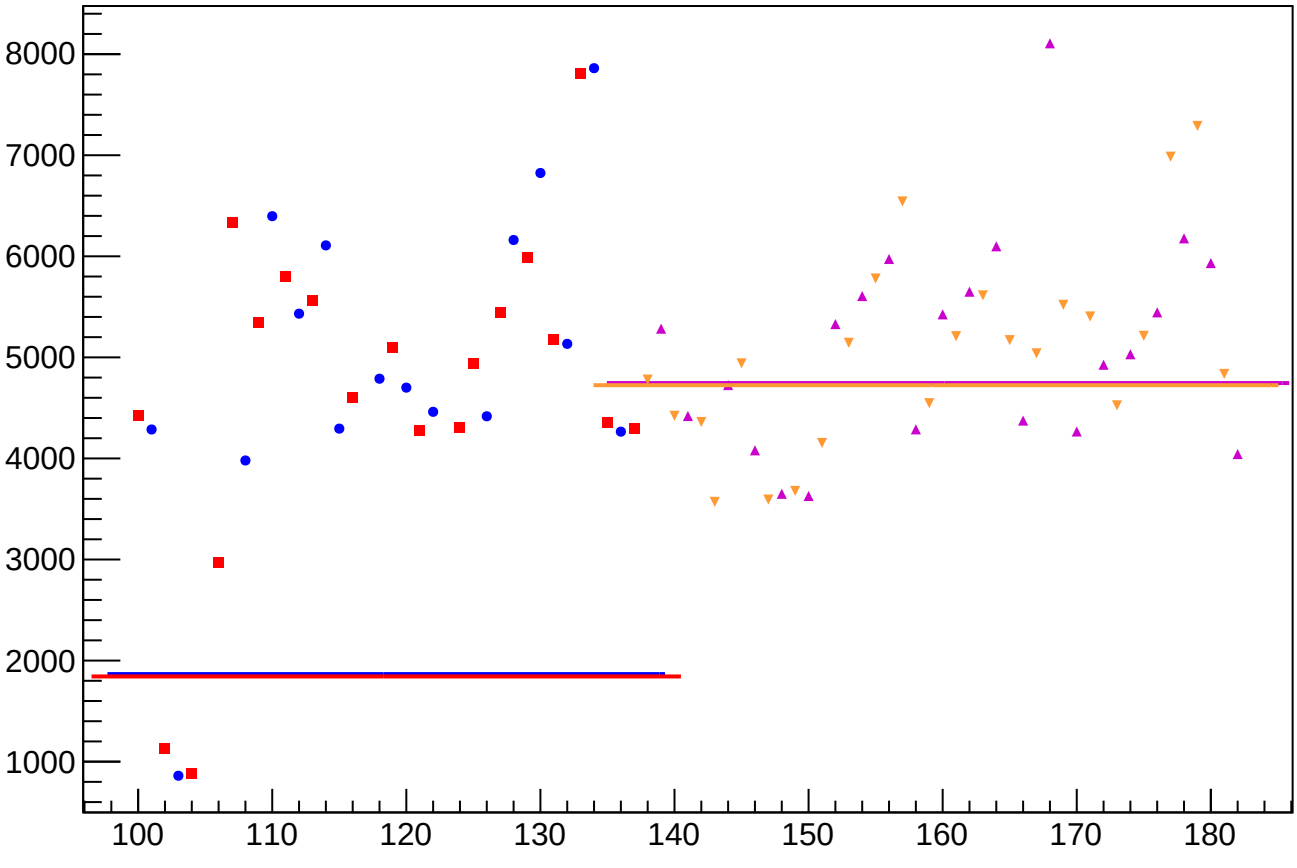
Left: 180.381+/-803.068 χ^2/NDF: 40.1/44

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -534.547+/-735.891 χ^2/NDF:28.7/37

Out: -595.414+/-726.446 χ^2/NDF:41.3/41

All: -565.374+/-516.982 χ^2/NDF: 70.0/79



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4724.604+/-0.799 χ^2/NDF:1222328.6/22

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4745.841+/-0.807 χ^2/NDF:1230270.2/21

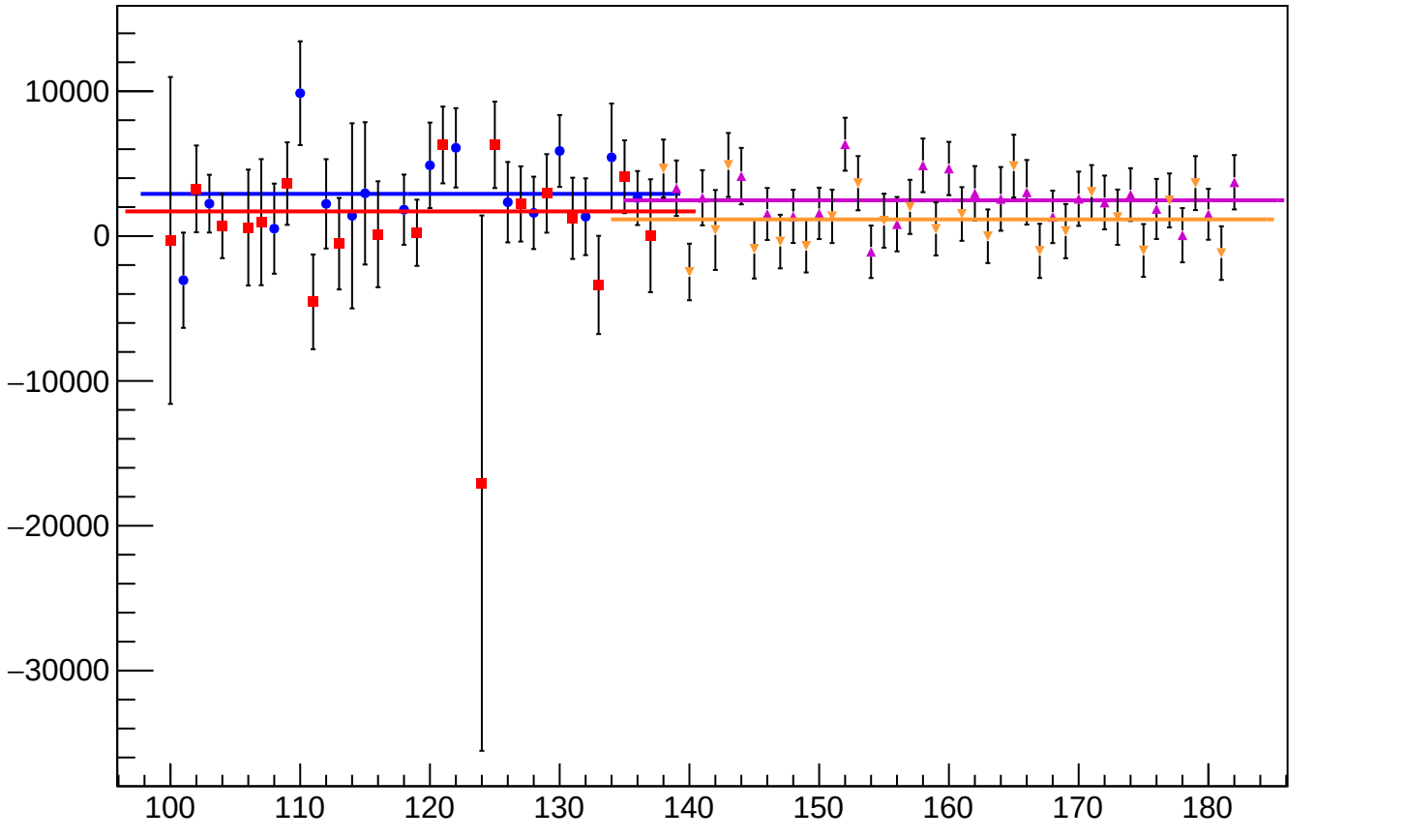
Left: 4735.123+/-0.568 χ^2/NDF: 2452948.5/44

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 3063.845+/-0.520 χ^2/NDF:15519731.7/37

Out: 3033.022+/-0.514 χ^2/NDF:15310604.8/41

All: 3048.234+/-0.366 χ^2/NDF: 30832113.5/7



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1150.783+/-400.761 χ^2/NDF:25.4/22

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2470.246+/-401.364 χ^2/NDF:17.1/21

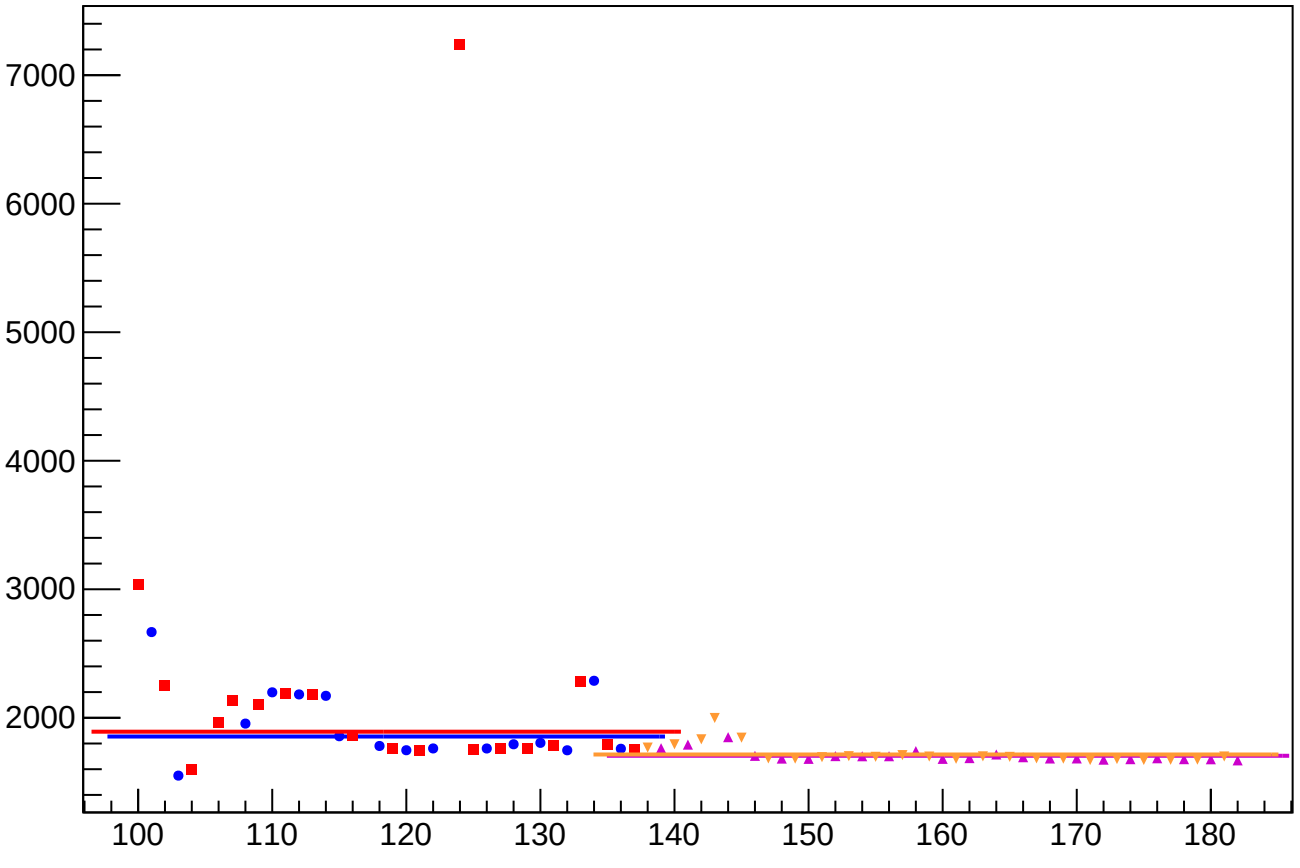
Left: 1809.522+/-283.594 χ^2/NDF: 48.0/44

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2580.986+/-347.576 χ^2/NDF:29.9/37

Out: 1285.242+/-348.625 χ^2/NDF:41.7/41

All: 1935.066+/-246.144 χ^2/NDF: 78.6/79



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1714.512+/-0.283 χ^2/NDF:58415.3/22

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1704.500+/-0.284 χ^2/NDF:22360.8/21

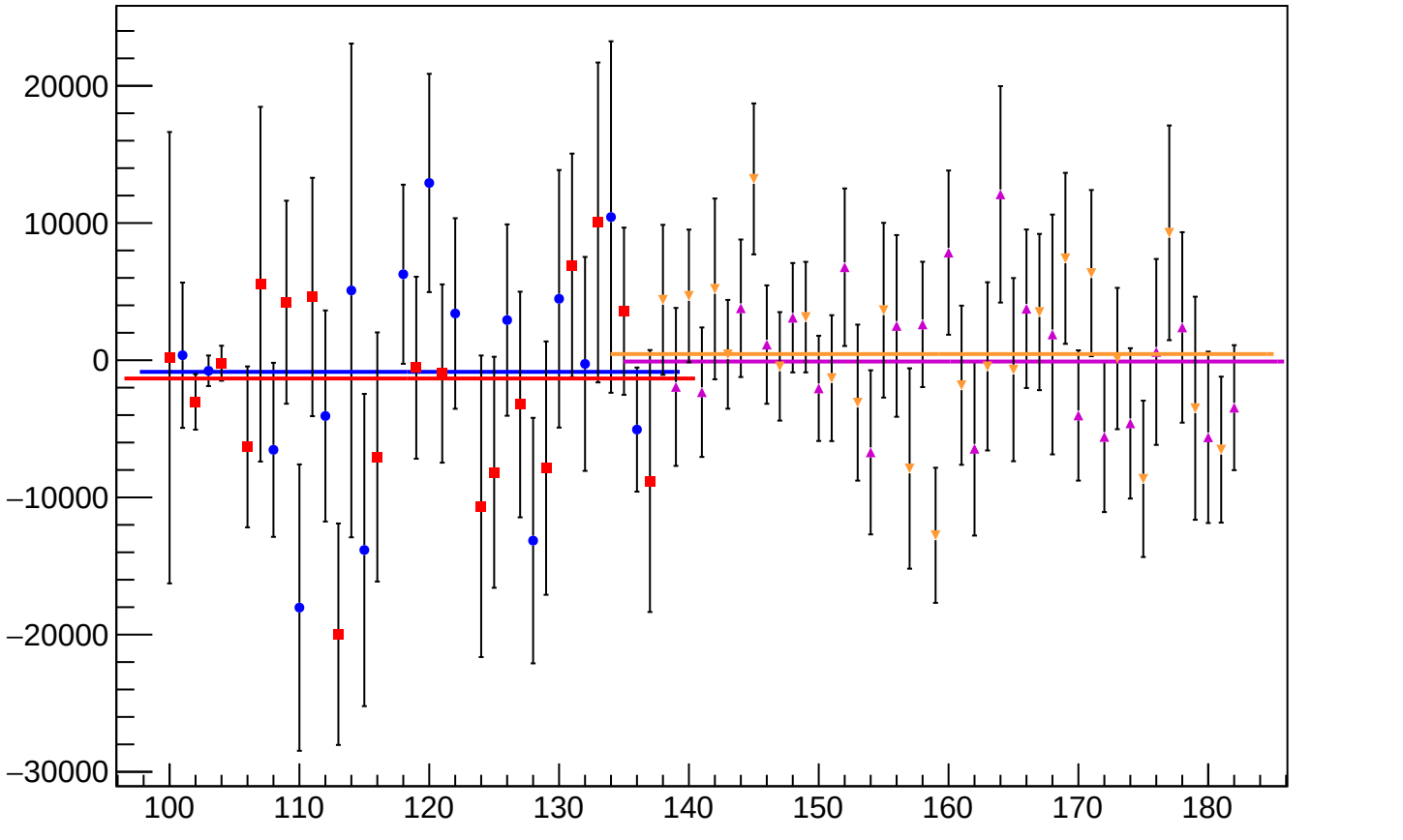
Left: 1709.514+/-0.201 χ^2/NDF: 81399.3/44

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1741.963+/-0.246 χ^2/NDF:355363.2/37

Out: 1757.807+/-0.246 χ^2/NDF:518357.4/41

All: 1749.865+/-0.174 χ^2/NDF: 875793.2/79



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 450.623+/-1130.395 χ^2/NDF:25.5/22

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -95.004+/-1141.101 χ^2/NDF:14.6/21

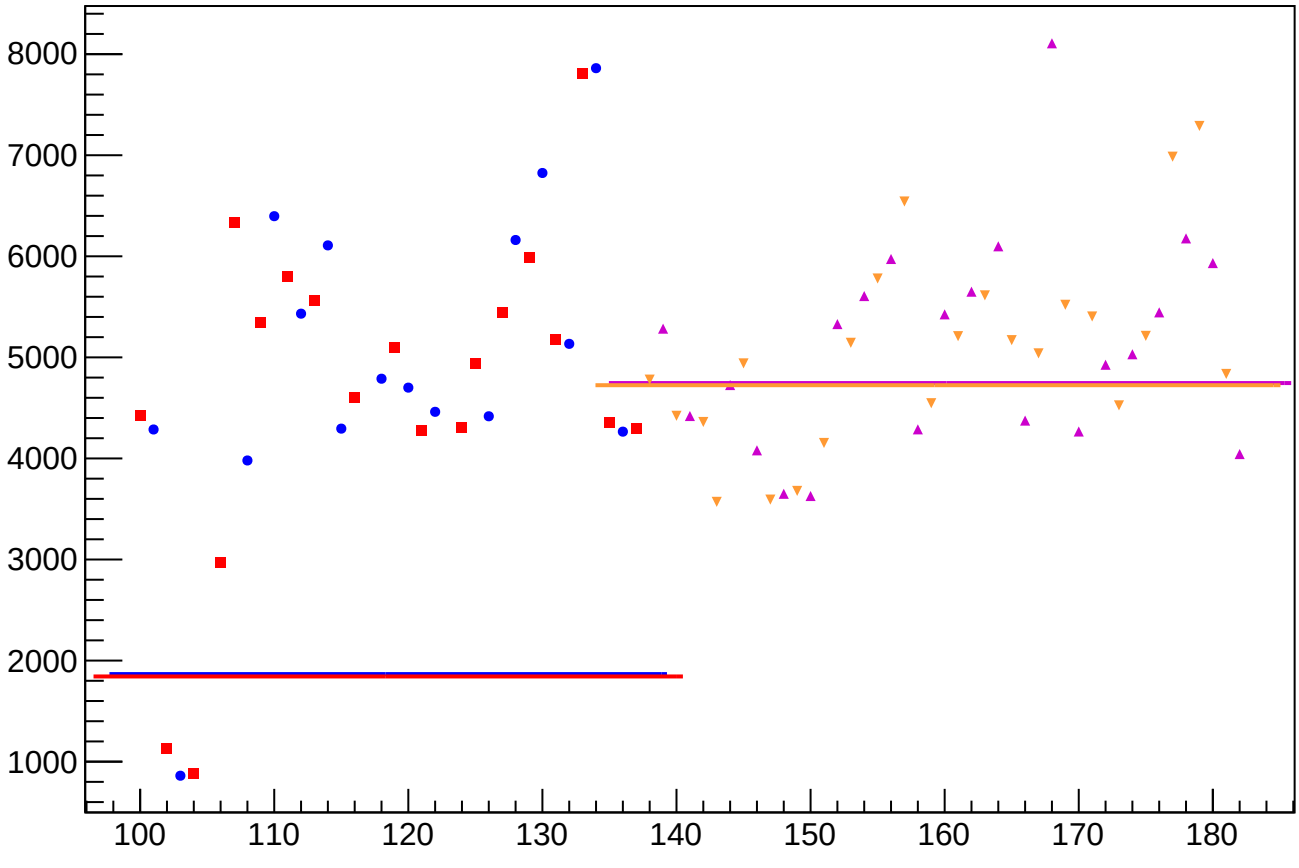
Left: 180.381+/-803.068 χ^2/NDF: 40.1/44

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -534.547+/-735.891 χ^2/NDF:28.7/37

Out: -595.414+/-726.446 χ^2/NDF:41.3/41

All: -565.374+/-516.982 χ^2/NDF: 70.0/79



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4724.604+/-0.799 χ^2/NDF:1222328.6/22

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4745.841+/-0.807 χ^2/NDF:1230270.2/21

Left: 4735.123+/-0.568 χ^2/NDF: 2452948.5/44

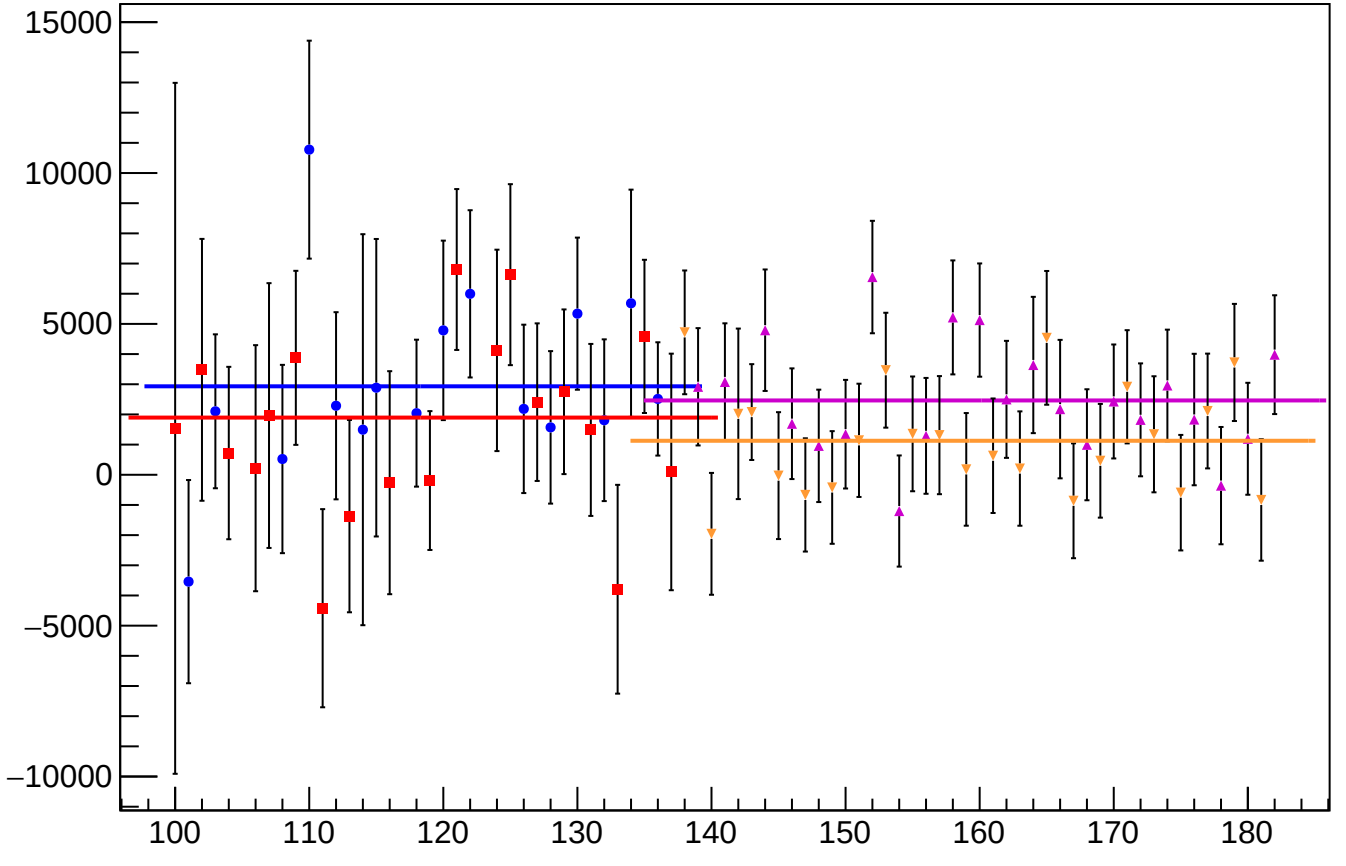
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 3063.845+/-0.520 χ^2/NDF:15519731.7/37

Out: 3033.022+/-0.514 χ^2/NDF:15310604.8/41

All: 3048.234+/-0.366 χ^2/NDF: 30832113.5/7

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1127.071+/-404.218 χ^2/NDF:18.2/22

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2463.377+/-411.029 χ^2/NDF:20.4/21

Left: 1784.059+/-288.203 χ^2/NDF: 43.9/44

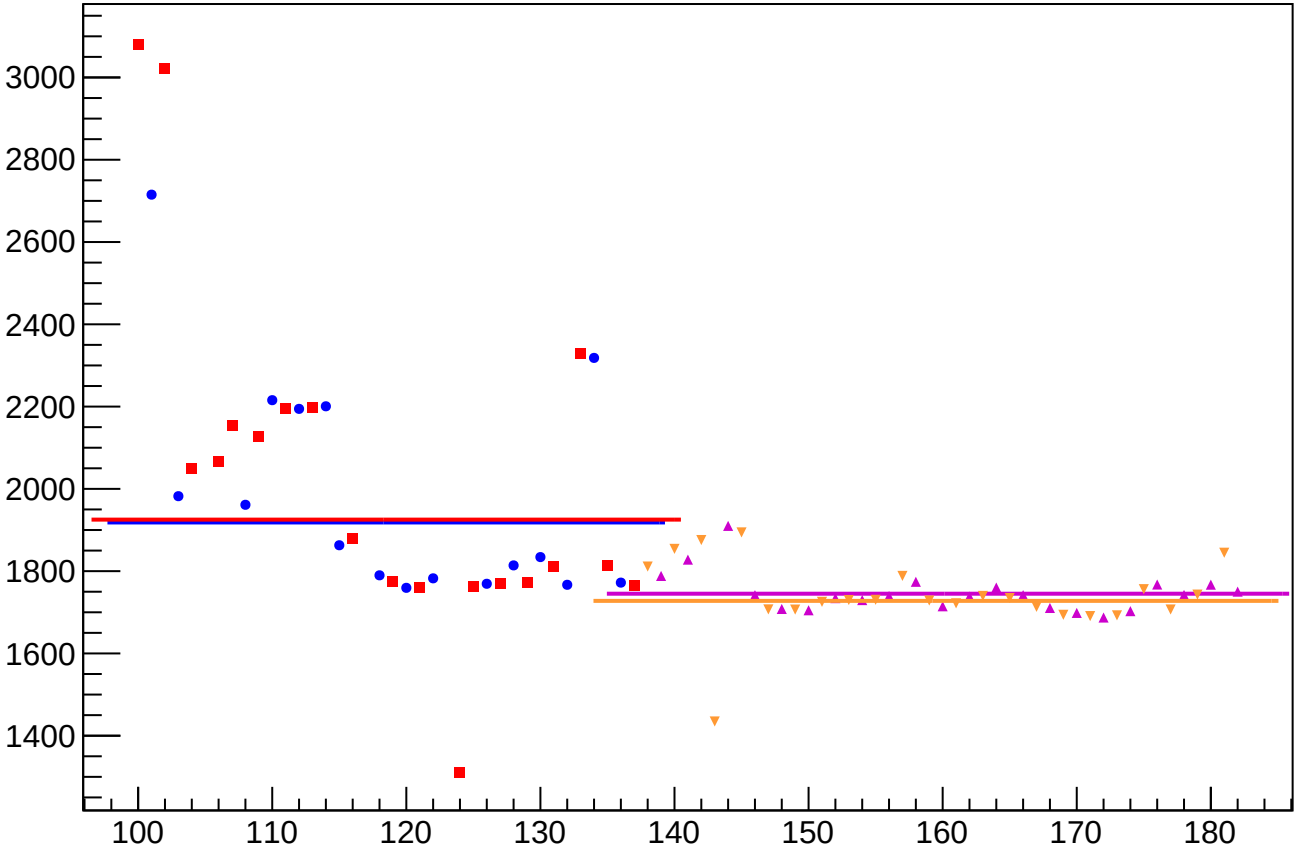
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2578.895+/-356.752 χ^2/NDF:33.7/37

Out: 1310.468+/-352.698 χ^2/NDF:36.4/41

All: 1937.435+/-250.816 χ^2/NDF: 76.5/79

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.754+/-0.286 χ^2/NDF:109649.2/22

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1745.177+/-0.291 χ^2/NDF:26589.9/21

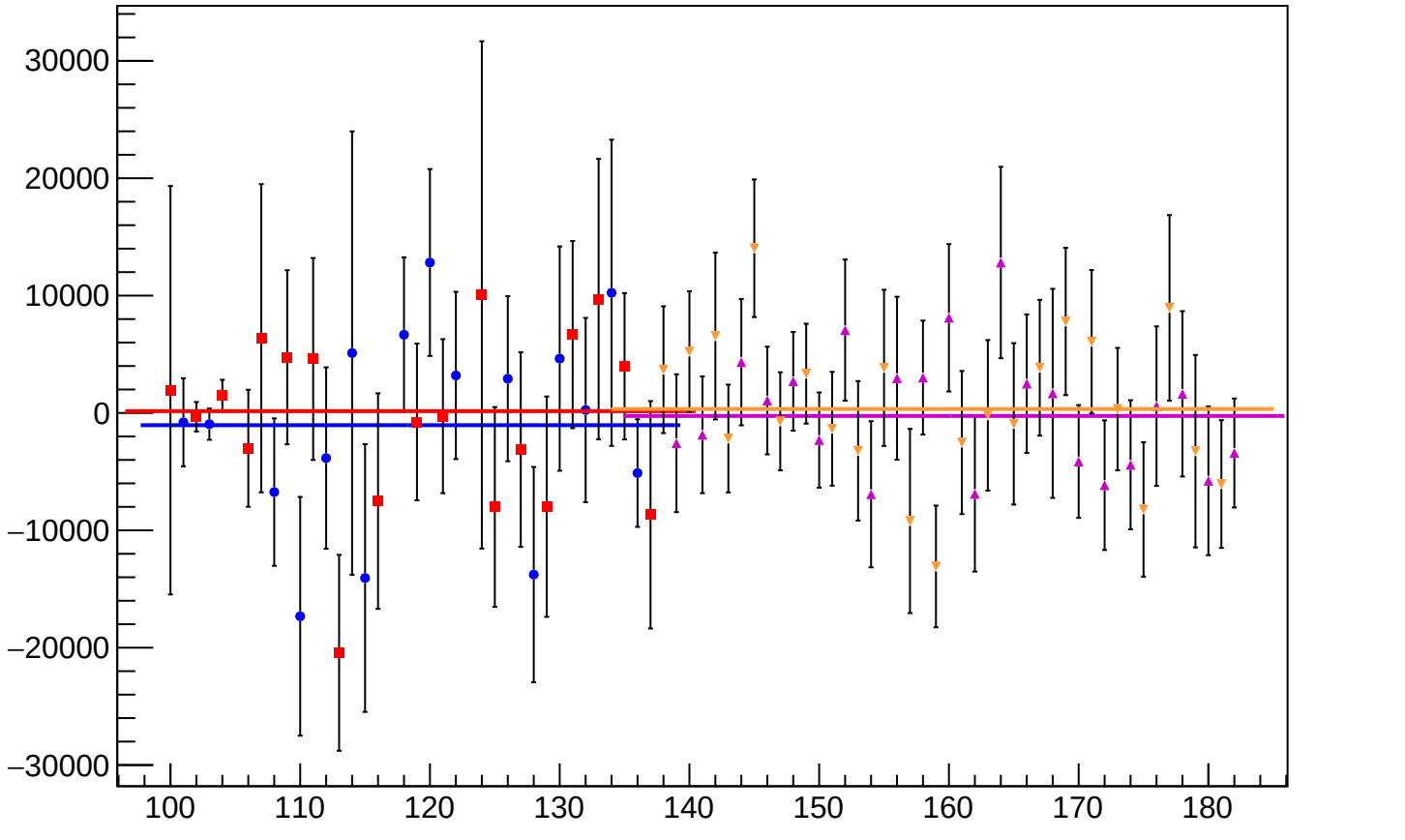
Left: 1736.320+/-0.204 χ^2/NDF: 138065.8/44

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1787.897+/-0.252 χ^2/NDF:329770.9/37

Out: 1774.951+/-0.249 χ^2/NDF:562845.3/41

All: 1781.349+/-0.177 χ^2/NDF: 893948.5/79



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 338.064+/-1183.099 χ^2/NDF:25.2/22

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: -254.156+/-1184.978 χ^2/NDF:14.4/21

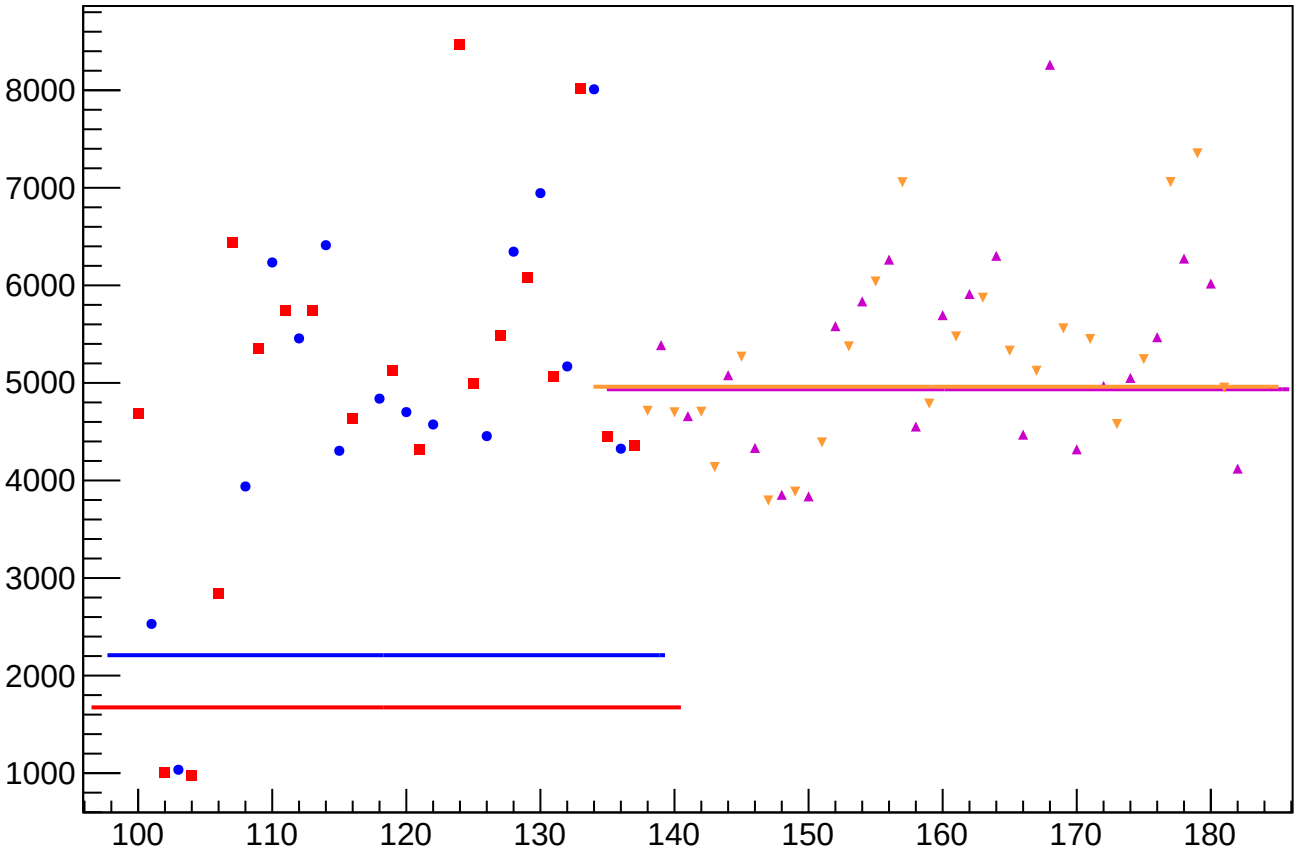
Left: 42.424+/-837.241 χ^2/NDF: 39.8/44

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -687.219+/-795.133 χ^2/NDF:28.5/37

Out: 215.011+/-682.560 χ^2/NDF:39.0/41

All: -167.767+/-517.911 χ^2/NDF: 68.2/79



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4960.762+/-0.837 χ^2/NDF:1020215.4/22

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4934.937+/-0.838 χ^2/NDF:1141998.4/21

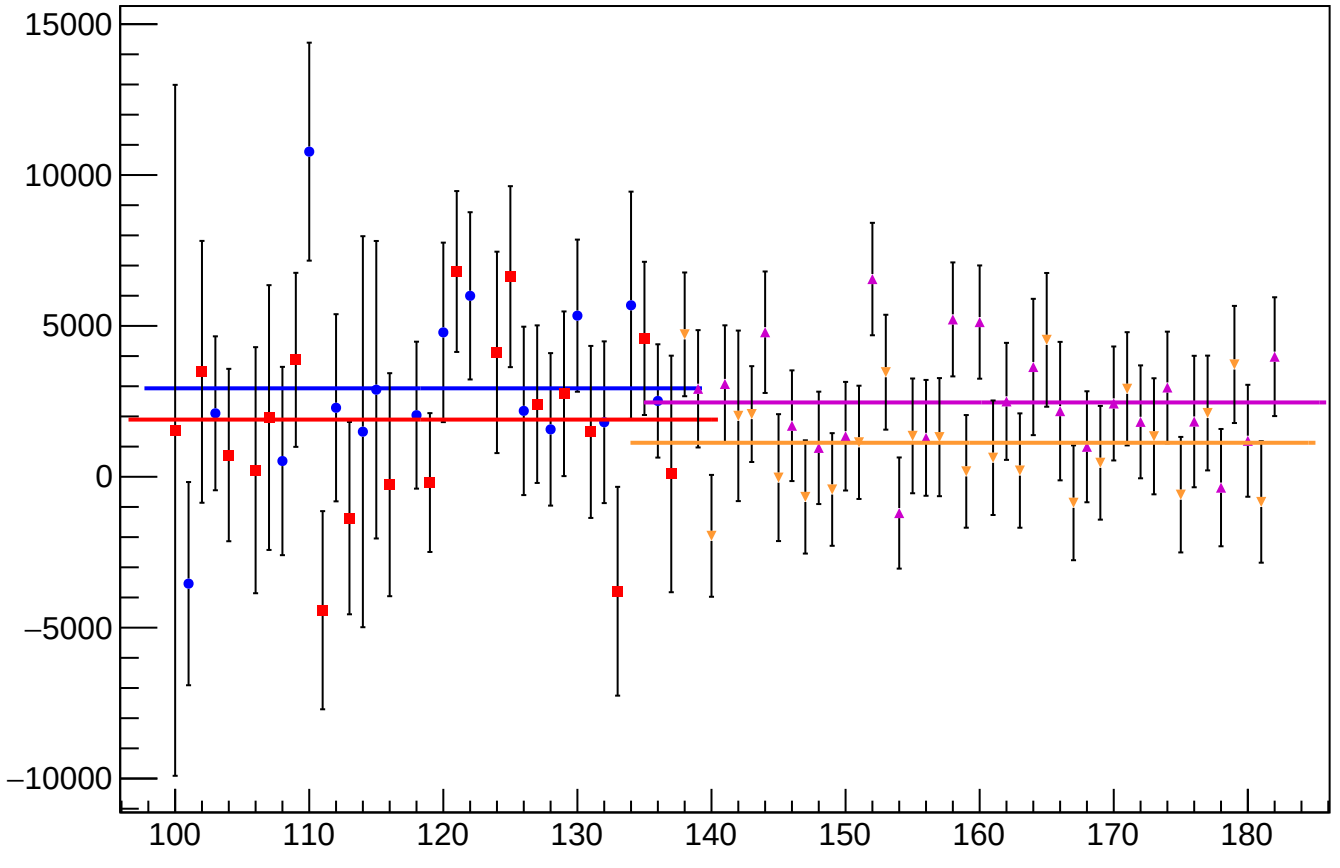
Left: 4947.870+/-0.592 χ^2/NDF: 2162689.5/44

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3436.319+/-0.562 χ^2/NDF:12459763.9/37

Out: 2768.086+/-0.483 χ^2/NDF:18170399.3/41

All: 3051.589+/-0.366 χ^2/NDF: 31443431.7/7



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1127.065+/-404.218 χ^2/NDF:18.2/22

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2463.378+/-411.030 χ^2/NDF:20.4/21

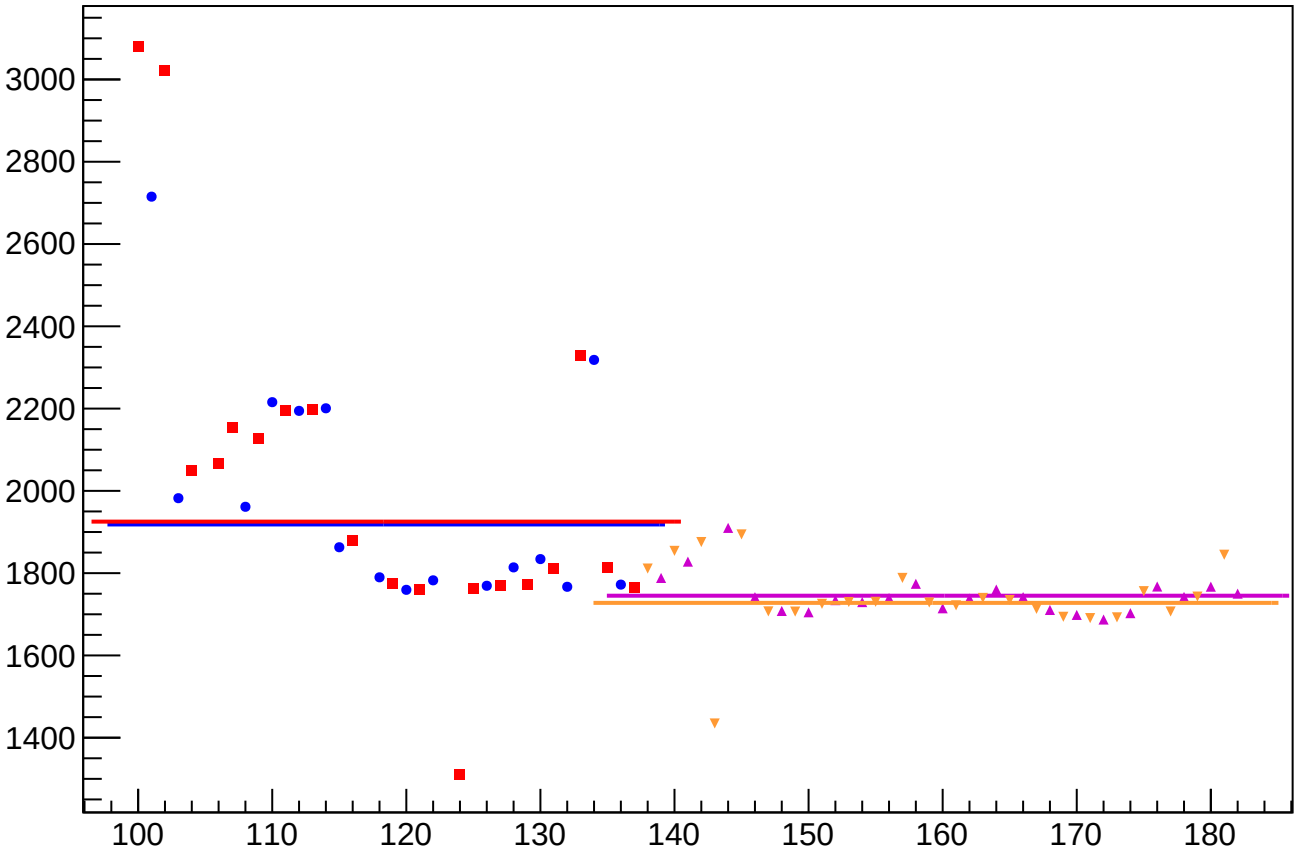
Left: 1784.057+/-288.203 χ^2/NDF: 43.9/44

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2578.896+/-356.752 χ^2/NDF:33.7/37

Out: 1310.465+/-352.698 χ^2/NDF:36.4/41

All: 1937.434+/-250.816 χ^2/NDF: 76.5/79



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.755+/-0.286 χ^2/NDF:109648.2/22

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1745.178+/-0.291 χ^2/NDF:26589.9/21

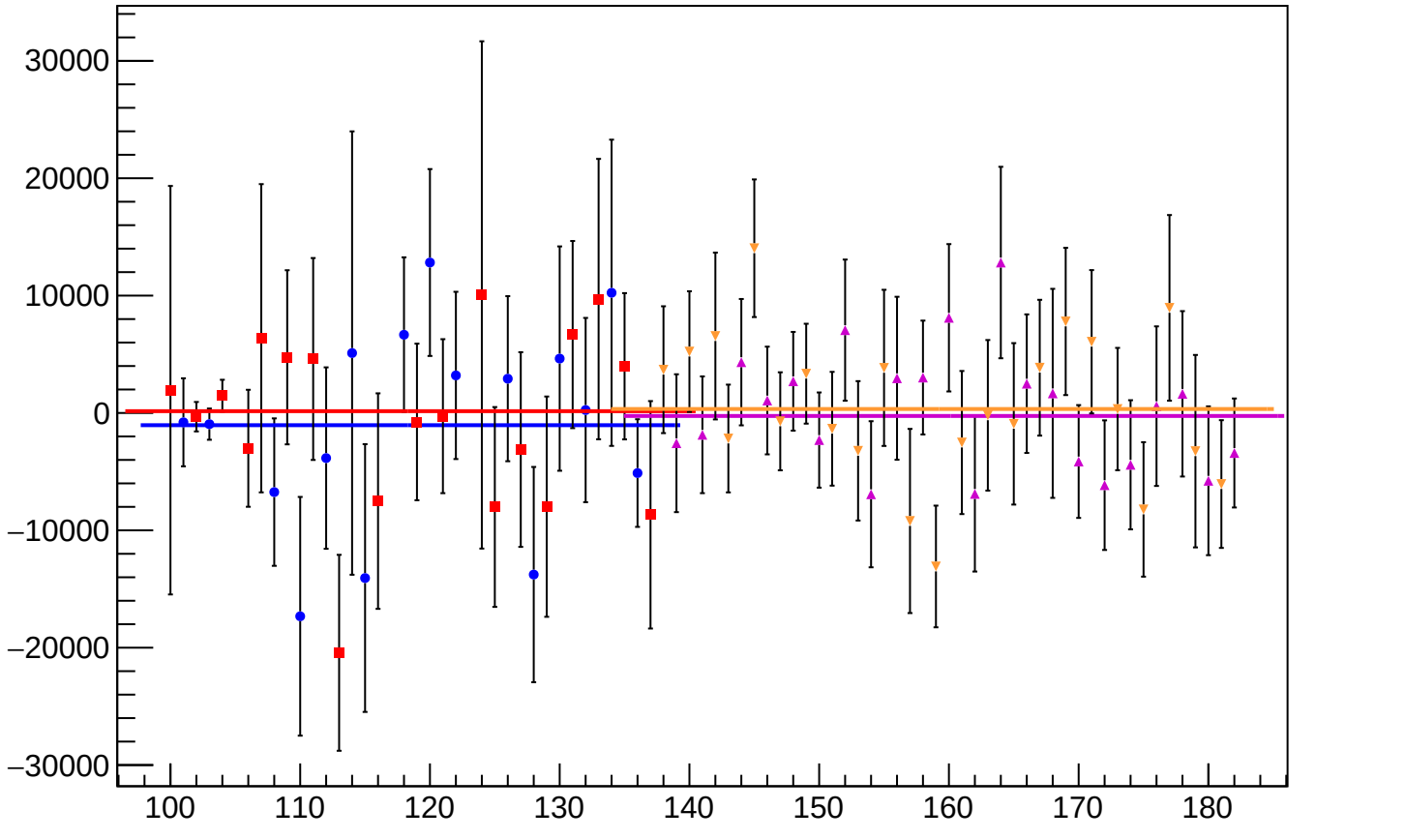
Left: 1736.321+/-0.204 χ^2/NDF: 138064.8/44

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1787.898+/-0.252 χ^2/NDF:329769.6/37

Out: 1774.951+/-0.249 χ^2/NDF:562841.7/41

All: 1781.349+/-0.177 χ^2/NDF: 893943.6/79



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 338.062+/-1183.101 χ^2/NDF:25.2/22

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: -254.159+/-1184.980 χ^2/NDF:14.4/21

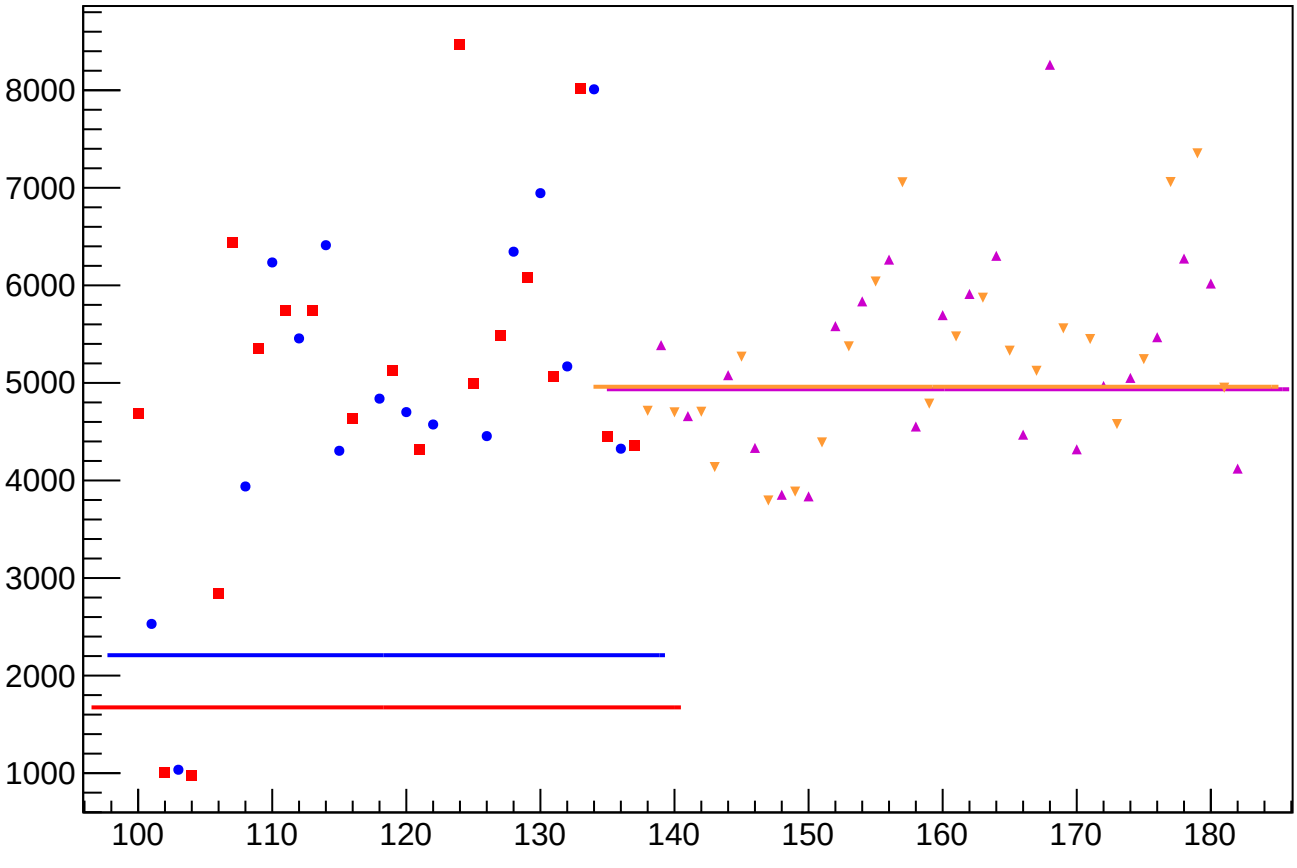
Left: 42.422+/-837.242 χ^2/NDF: 39.8/44

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -687.219+/-795.133 χ^2/NDF:28.5/37

Out: 215.006+/-682.560 χ^2/NDF:39.0/41

All: -167.770+/-517.911 χ^2/NDF: 68.2/79



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4960.770+/-0.837 χ^2/NDF:1020216.6/22

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4934.945+/-0.838 χ^2/NDF:1142001.8/21

Left: 4947.878+/-0.592 χ^2/NDF: 2162694.2/44

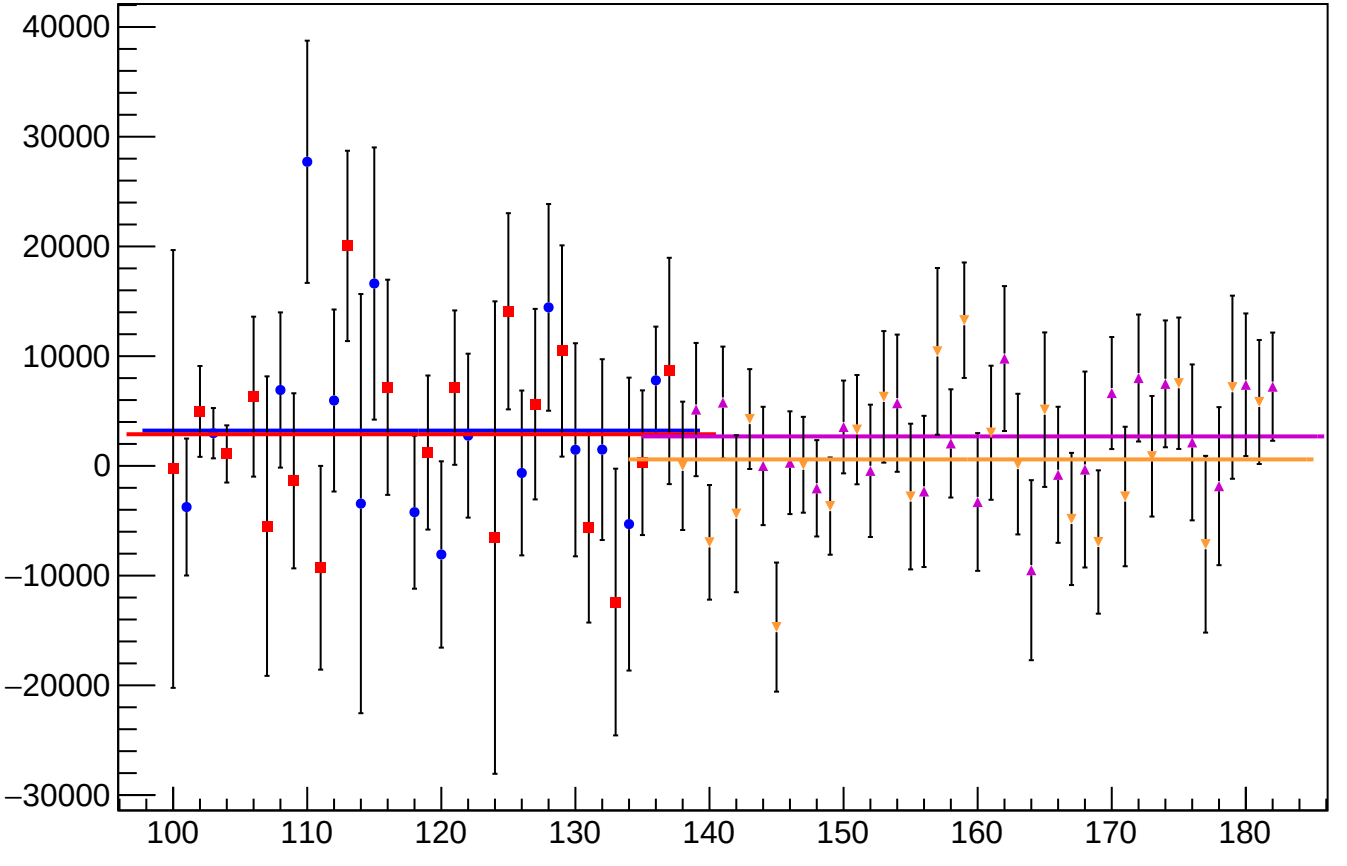
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3436.319+/-0.562 χ^2/NDF:12459789.9/37

Out: 2768.085+/-0.483 χ^2/NDF:18170426.9/41

All: 3051.589+/-0.366 χ^2/NDF: 31443486.3/7

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 592.633+/-1213.282 χ^2/NDF:26.6/22

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 2686.266+/-1219.550 χ^2/NDF:11.9/21

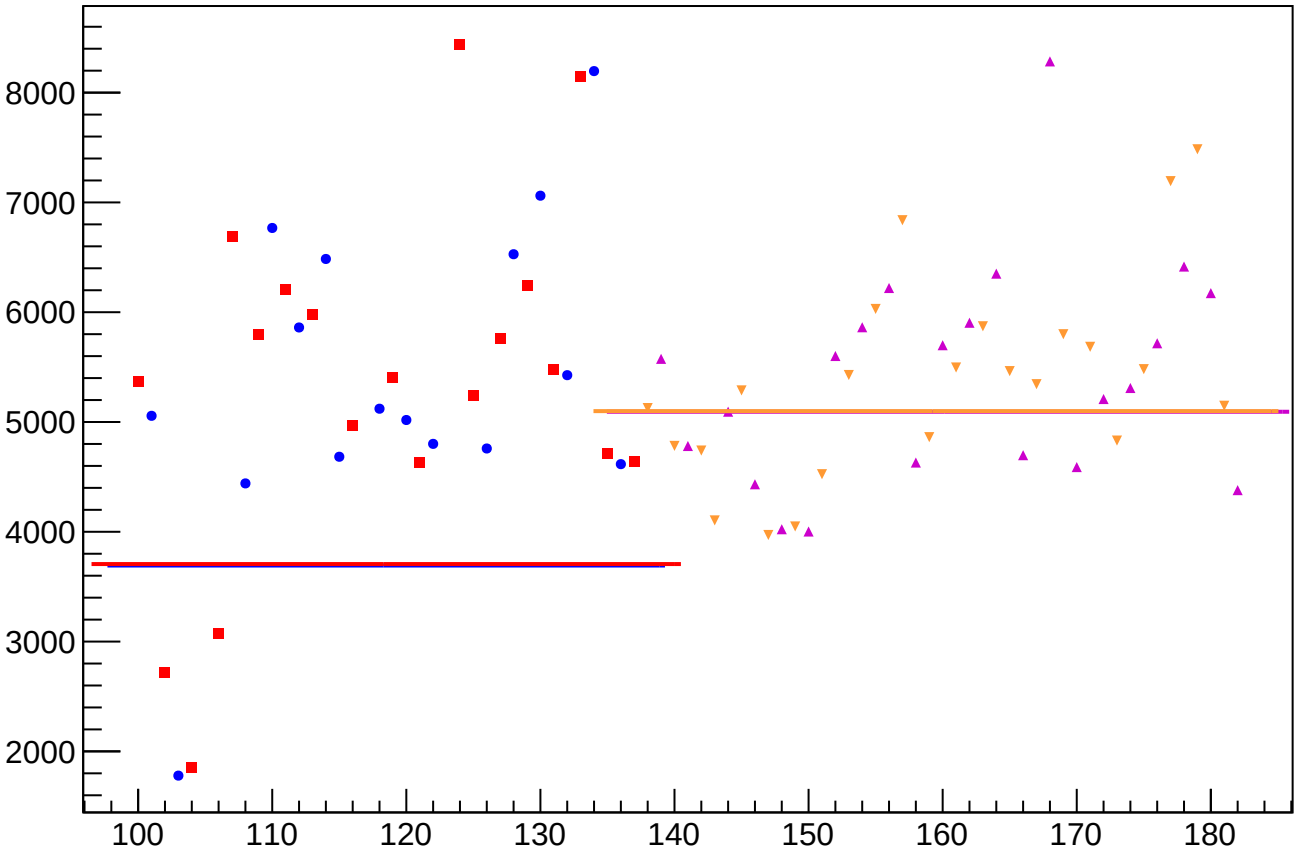
Left: 1634.055+/-860.127 χ^2/NDF: 40.0/44

Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2890.439+/-955.890 χ^2/NDF:25.8/37

Out: 1461.490+/-955.890 χ^2/NDF:41.4/41

All: 2175.964+/-675.916 χ^2/NDF: 68.3/79



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 5099.020+/-0.858 χ^2/NDF:934596.7/22

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5093.250+/-0.862 χ^2/NDF:989858.1/21

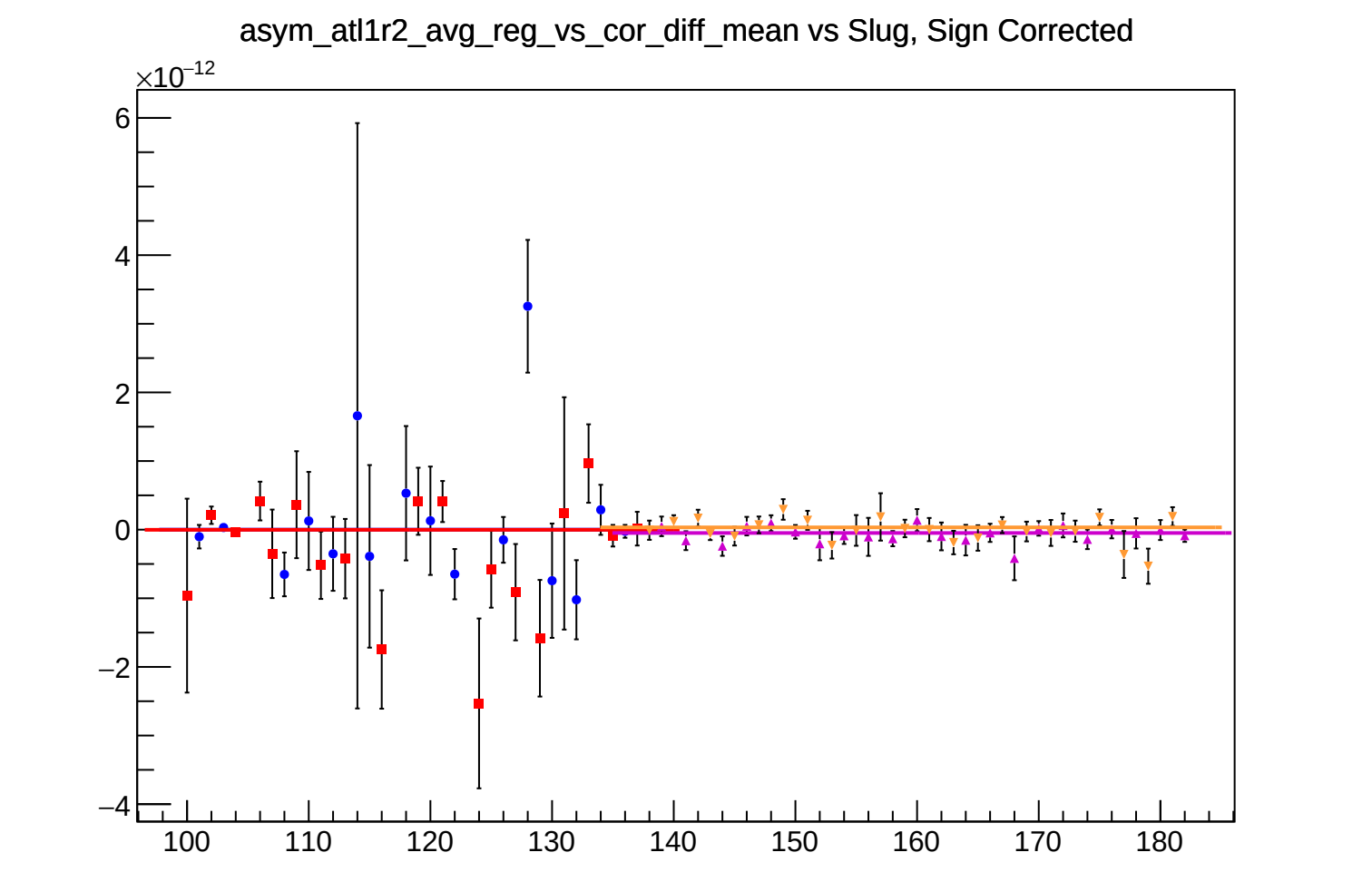
Left: 5096.150+/-0.608 χ^2/NDF: 1924477.2/44

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4553.175+/-0.676 χ^2/NDF:4892579.2/37

Out: 4564.105+/-0.673 χ^2/NDF:4631460.0/41

All: 4558.661+/-0.477 χ^2/NDF: 9524170.5/79



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/22

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/21

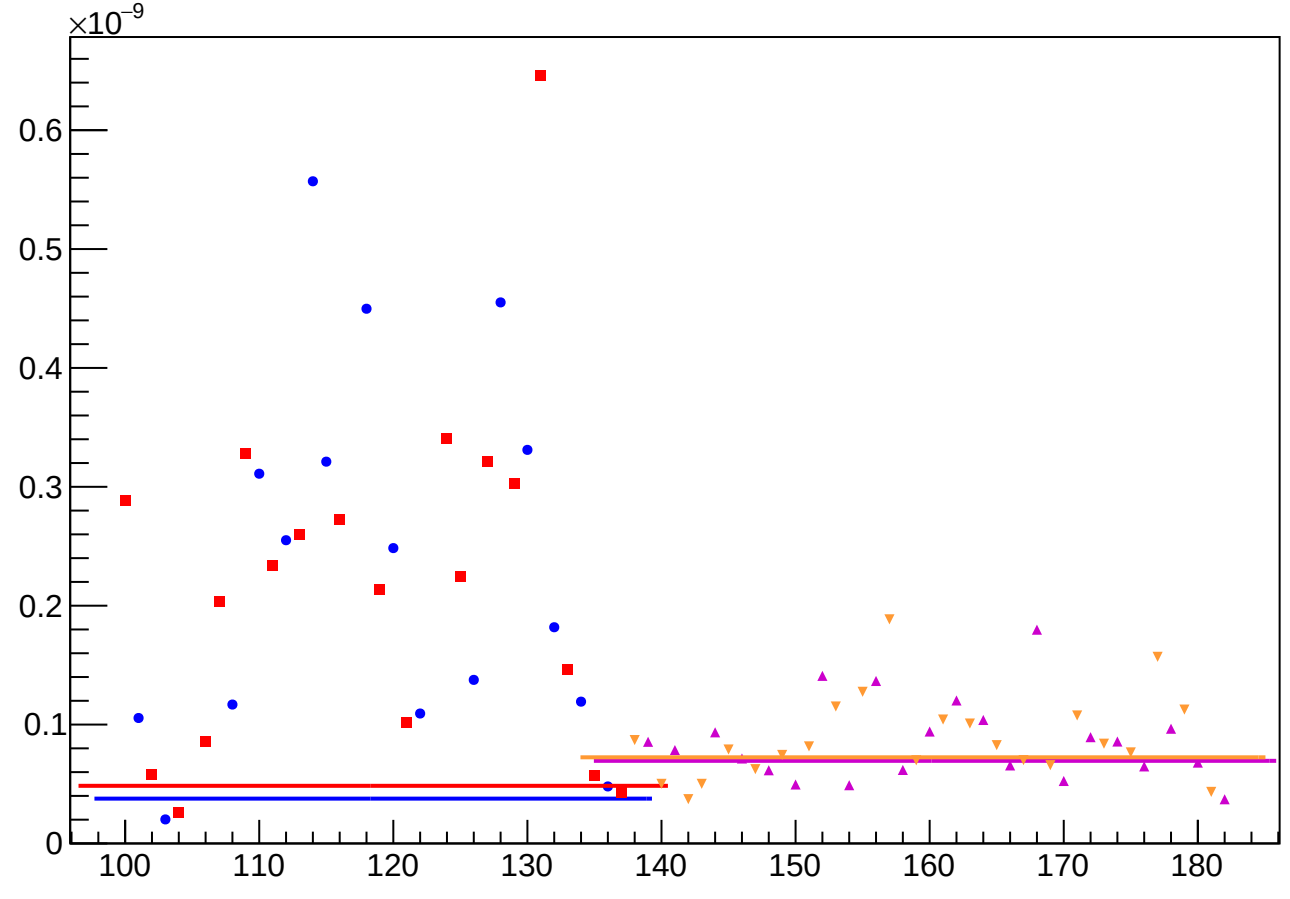
Left: -0.000+/-0.000 χ^2/NDF: 36.4/44

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:37.2/37

Out: 0.000+/-0.000 χ^2/NDF:50.5/41

All: -0.000+/-0.000 χ^2/NDF: 90.0/79



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1372781.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1393657.7/21

Left: 0.000+/-0.000 χ^2/NDF: 2776332.0/44

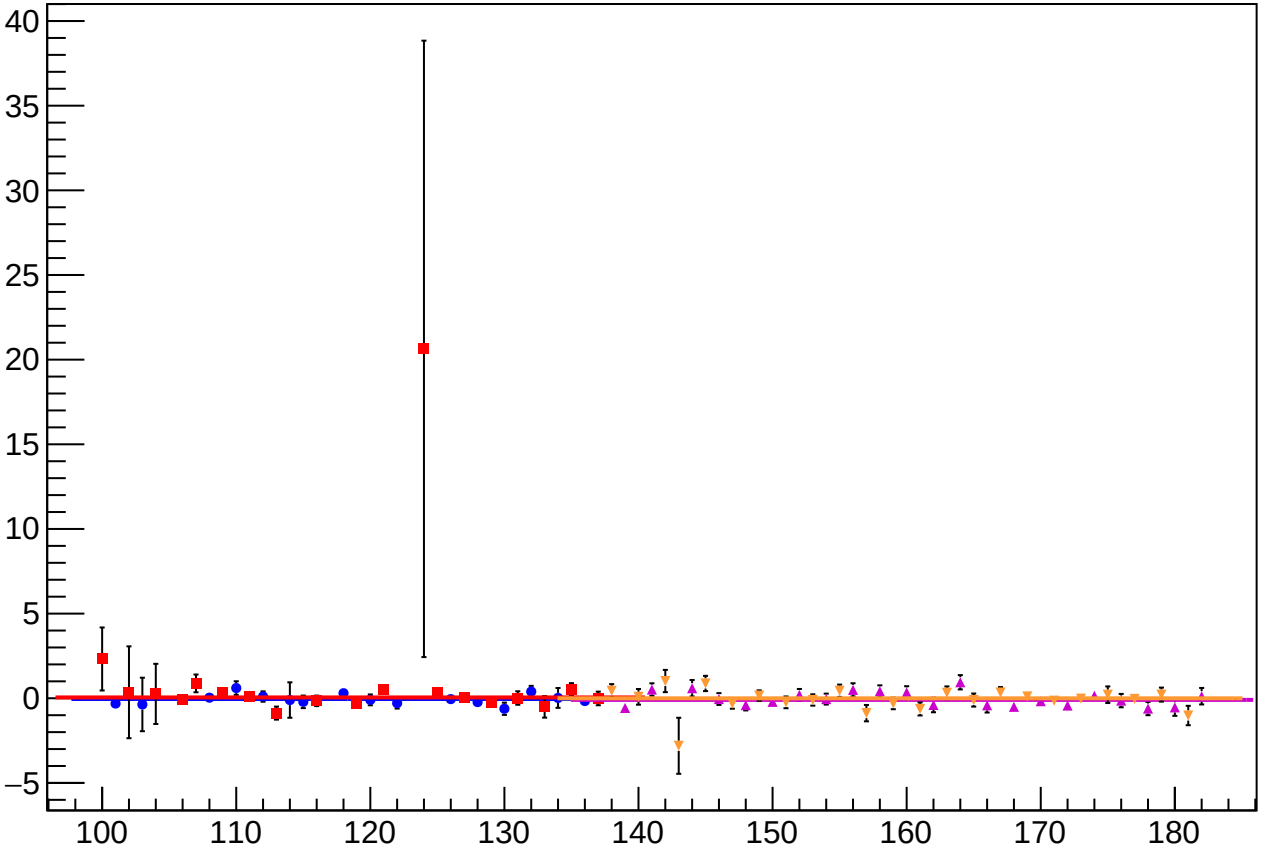
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:5451189.6/37

Out: 0.000+/-0.000 χ^2/NDF:4664539.8/41

All: 0.000+/-0.000 χ^2/NDF: 10238231.0/79

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: -0.003+/-0.072 χ^2/NDF:26.7/22

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.095+/-0.071 χ^2/NDF:30.6/21

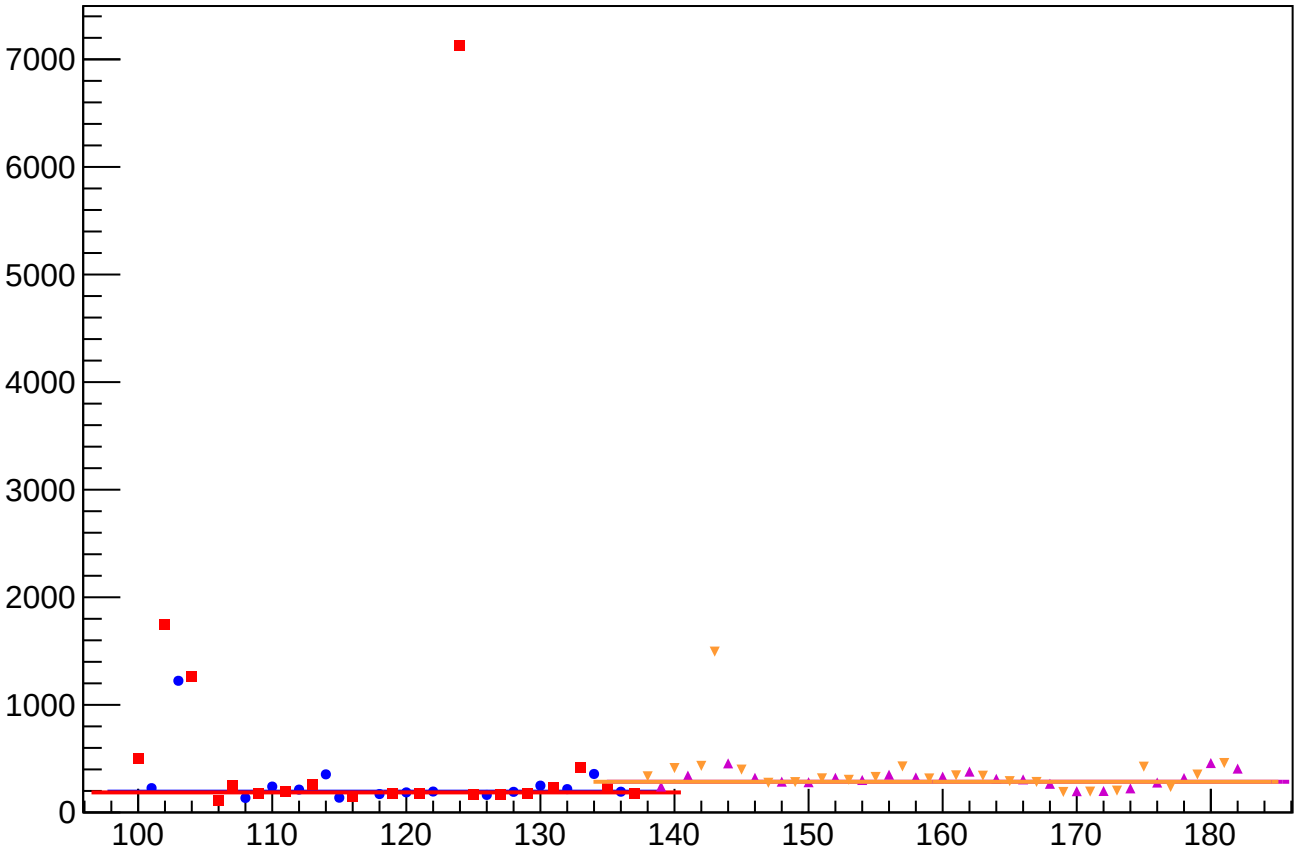
Left: -0.050+/-0.050 χ^2/NDF: 58.2/44

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.071+/-0.052 χ^2/NDF:42.6/37

Out: 0.021+/-0.053 χ^2/NDF:50.0/41

All: -0.025+/-0.037 χ^2/NDF: 94.1/79



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 285.176+/-0.051 χ^2/NDF:3262062.8/22

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 285.188+/-0.050 χ^2/NDF:1729834.0/21

Left: 285.182+/-0.036 χ^2/NDF: 4991896.8/44

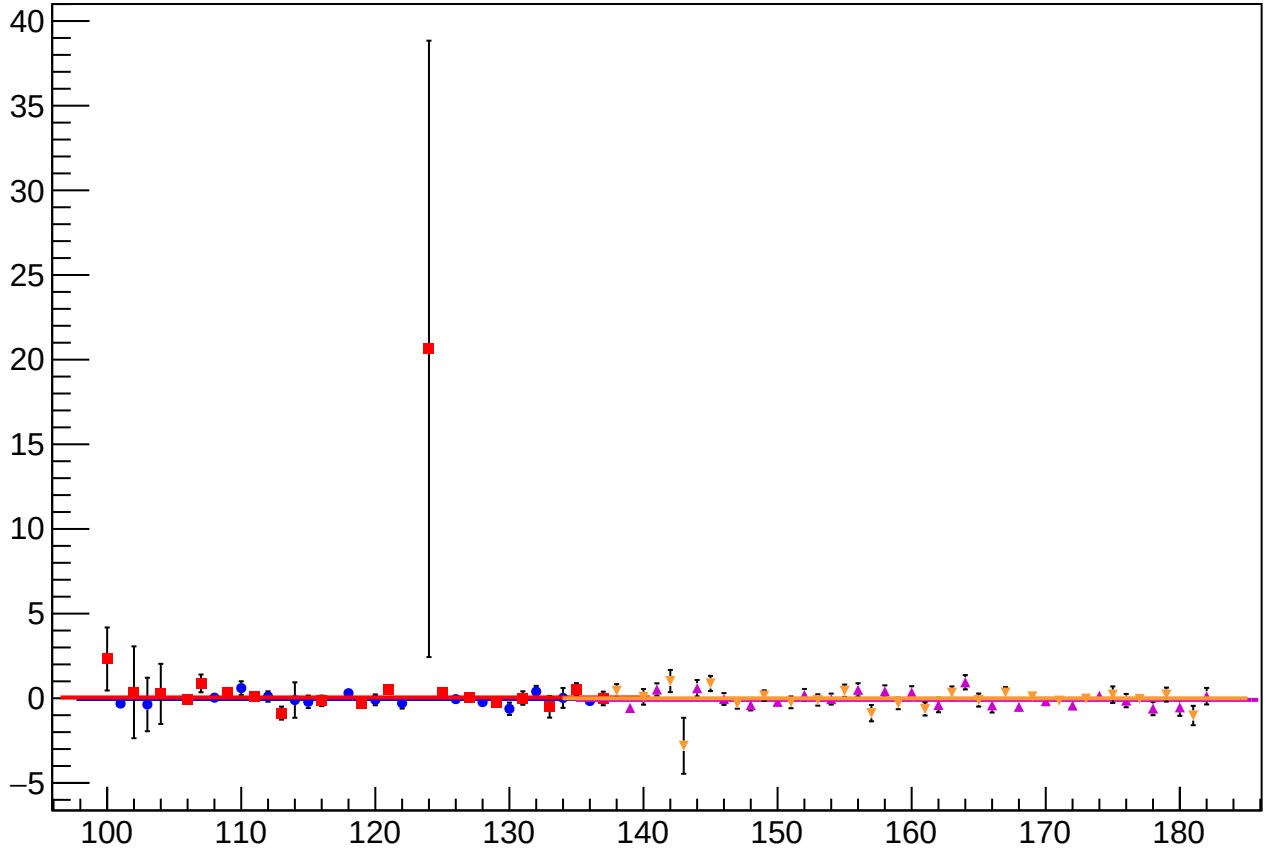
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 243.475+/-0.037 χ^2/NDF:4665850.5/37

Out: 240.379+/-0.038 χ^2/NDF:7459921.9/41

All: 241.947+/-0.026 χ^2/NDF: 12129222.3/79

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: -0.003+/-0.072 χ^2/NDF:26.7/22

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.095+/-0.071 χ^2/NDF:30.6/21

Left: -0.050+/-0.050 χ^2/NDF: 58.2/44

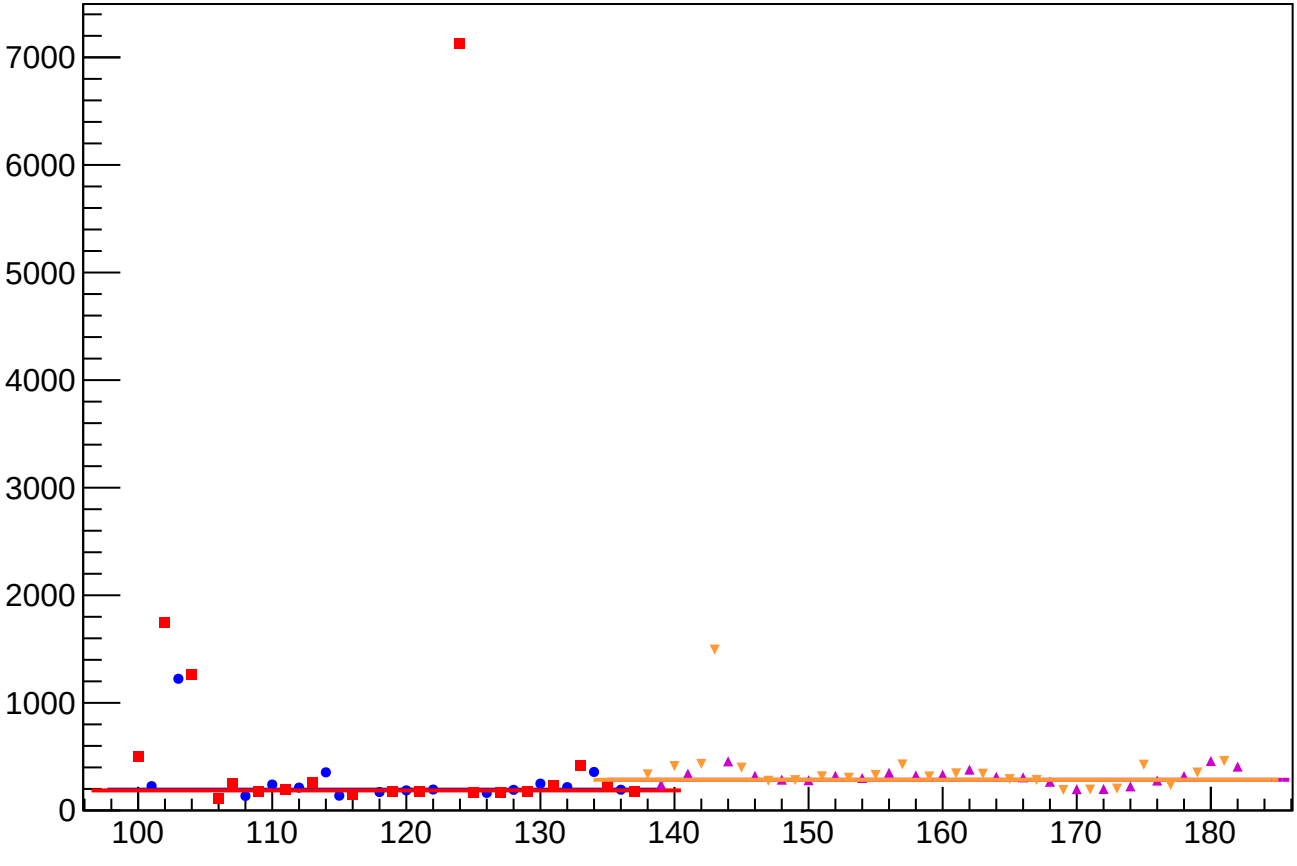
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.071+/-0.052 χ^2/NDF:42.6/37

Out: 0.021+/-0.053 χ^2/NDF:50.0/41

All: -0.025+/-0.037 χ^2/NDF: 94.1/79

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 285.176+/-0.051 χ^2/NDF:3262062.8/22

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 285.188+/-0.050 χ^2/NDF:1729834.0/21

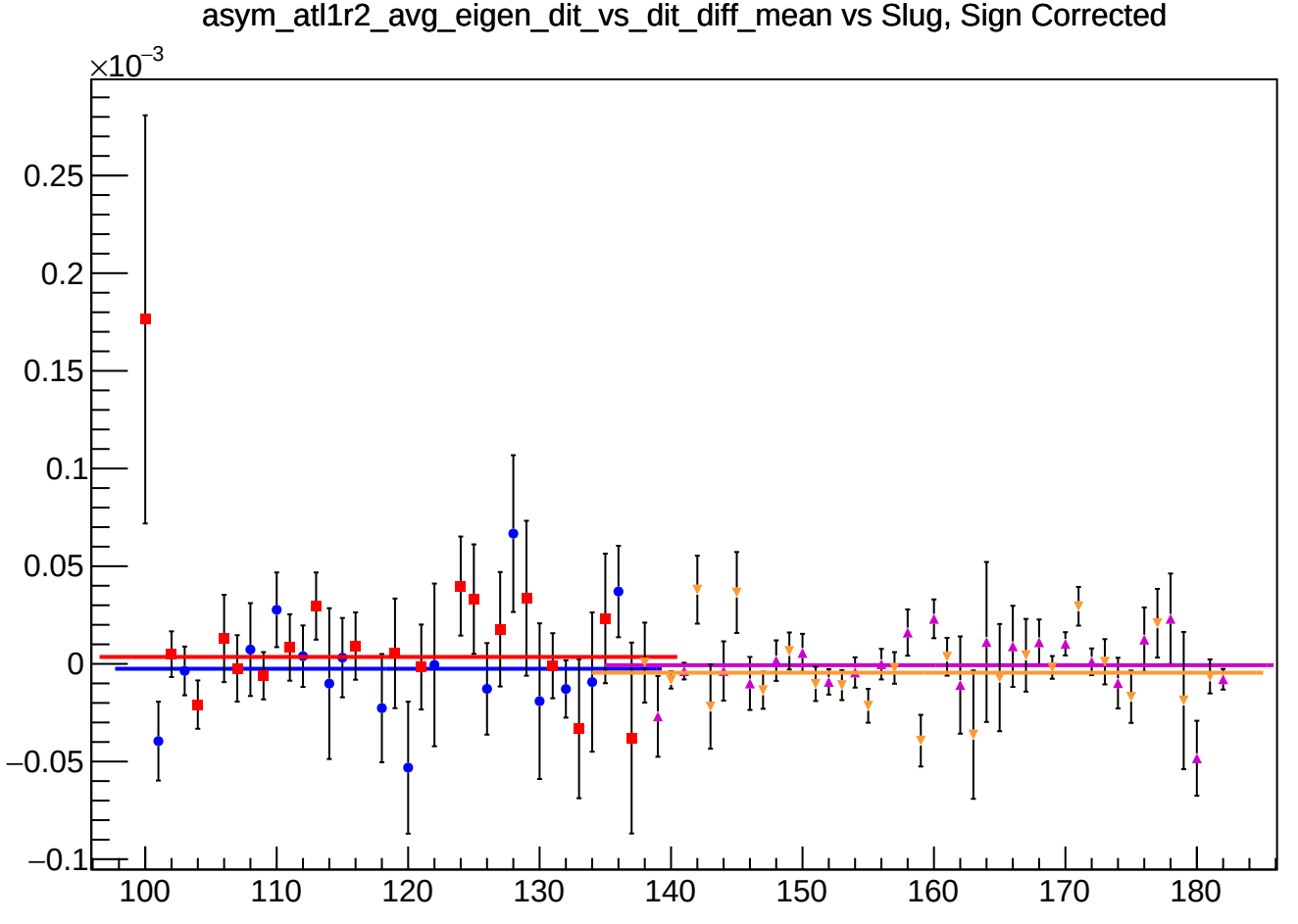
Left: 285.182+/-0.036 χ^2/NDF: 4991896.8/44

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 243.475+/-0.037 χ^2/NDF:4665850.5/37

Out: 240.379+/-0.038 χ^2/NDF:7459921.9/41

All: 241.947+/-0.026 χ^2/NDF: 12129222.3/79



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:27.9/21

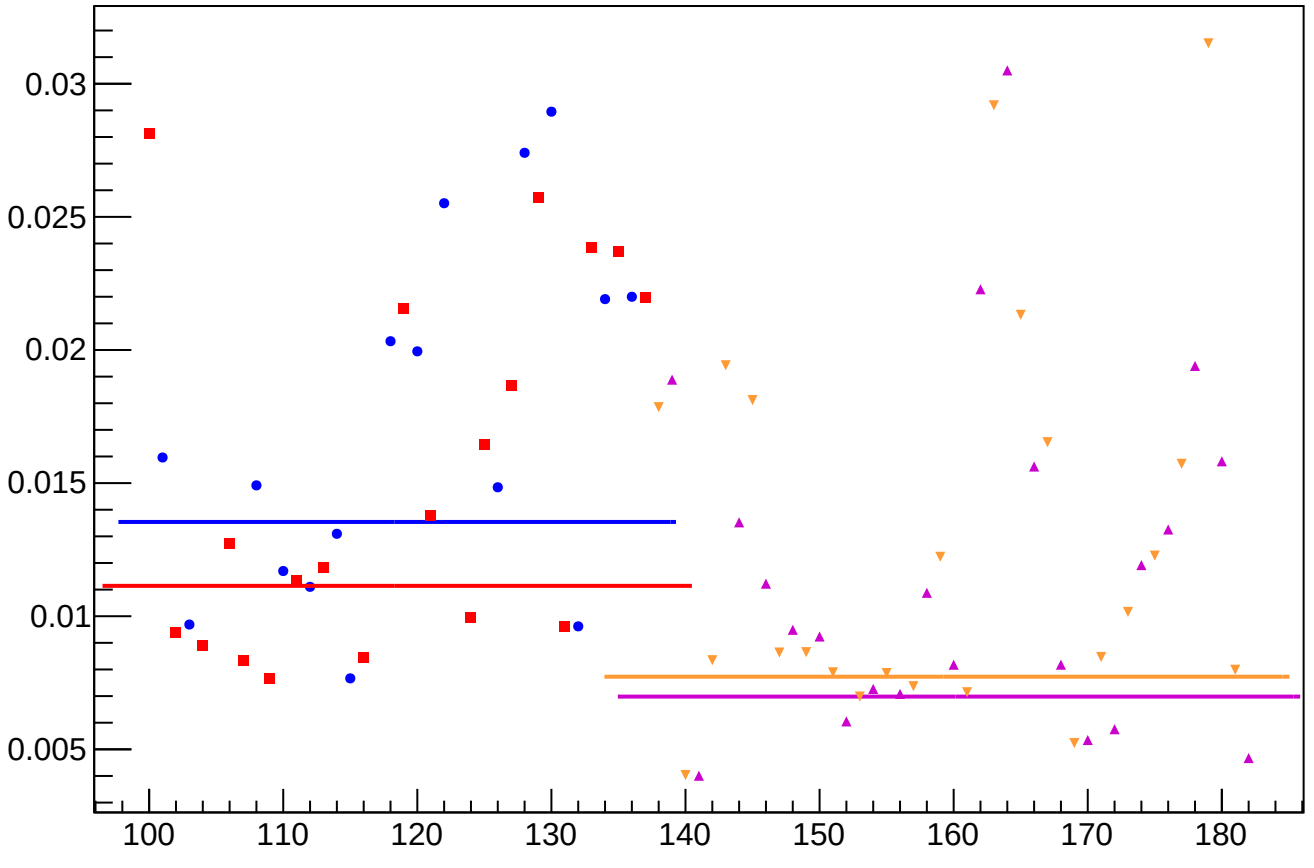
Left: -0.000+/-0.000 χ^2/NDF: 72.5/44

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:43.8/37

Out: -0.000+/-0.000 χ^2/NDF:61.8/41

All: -0.000+/-0.000 χ^2/NDF: 106.3/79



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7115719.2/22

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:6671394.1/21

Left: 0.007+/-0.000 χ^2/NDF: 13927349.4/44

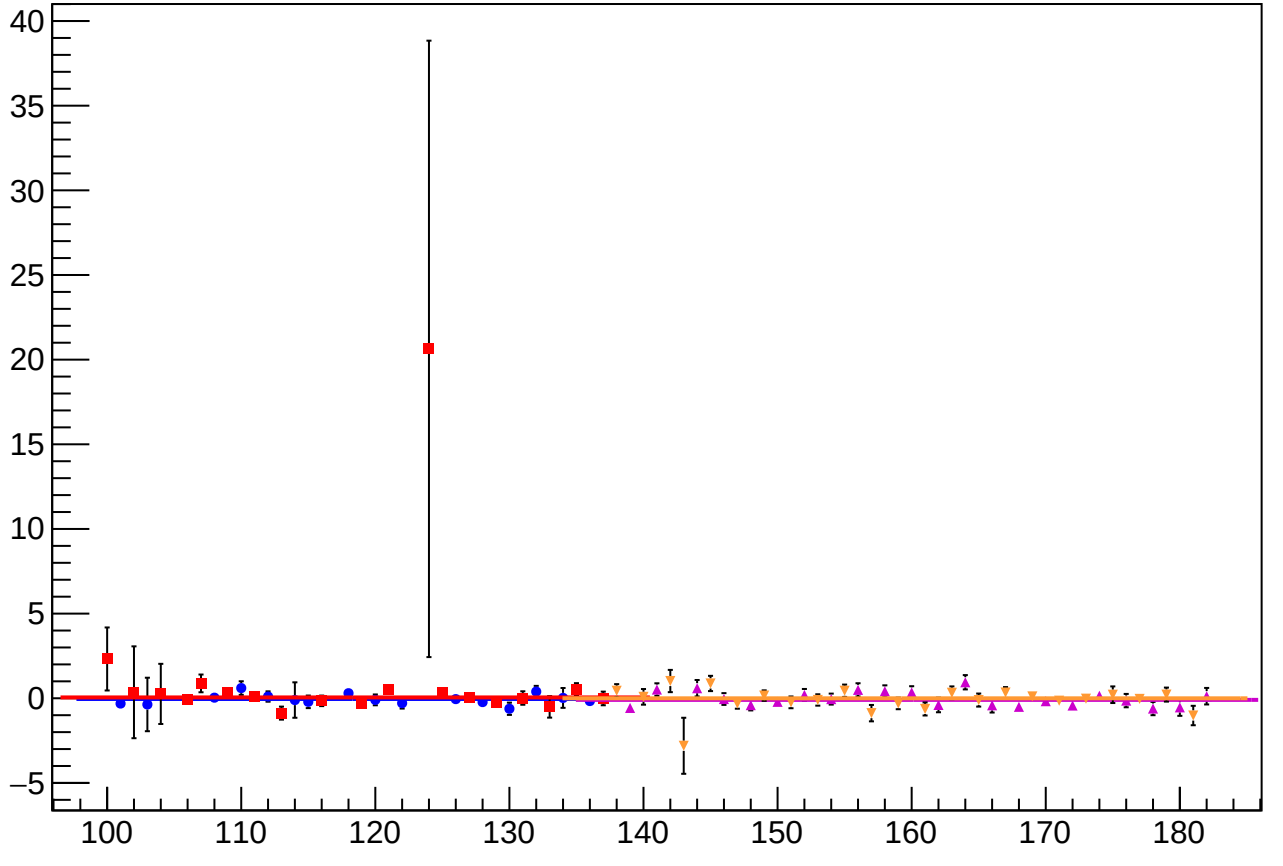
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:11125118.9/37

Out: 0.008+/-0.000 χ^2/NDF:9966374.6/41

All: 0.008+/-0.000 χ^2/NDF: 21207459.0/79

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: -0.003+/-0.072 χ^2/NDF:26.7/22

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.095+/-0.071 χ^2/NDF:30.6/21

Left: -0.050+/-0.050 χ^2/NDF: 58.2/44

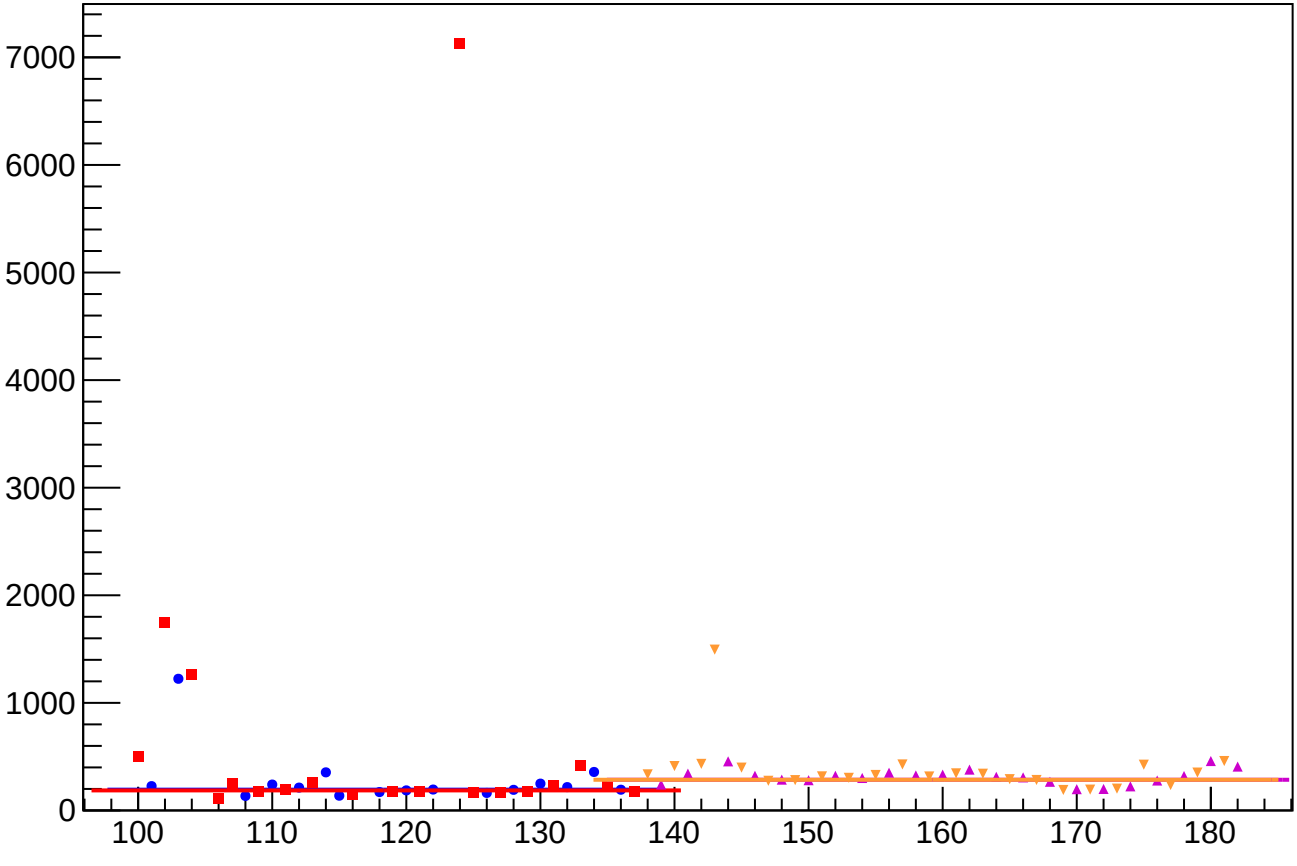
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.071+/-0.052 χ^2/NDF:42.6/37

Out: 0.021+/-0.053 χ^2/NDF:50.0/41

All: -0.025+/-0.037 χ^2/NDF: 94.1/79

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: 285.179+/-0.051 χ^2/NDF:3262112.8/22

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 285.190+/-0.050 χ^2/NDF:1729873.9/21

Left: 285.185+/-0.036 χ^2/NDF: 4991986.7/44

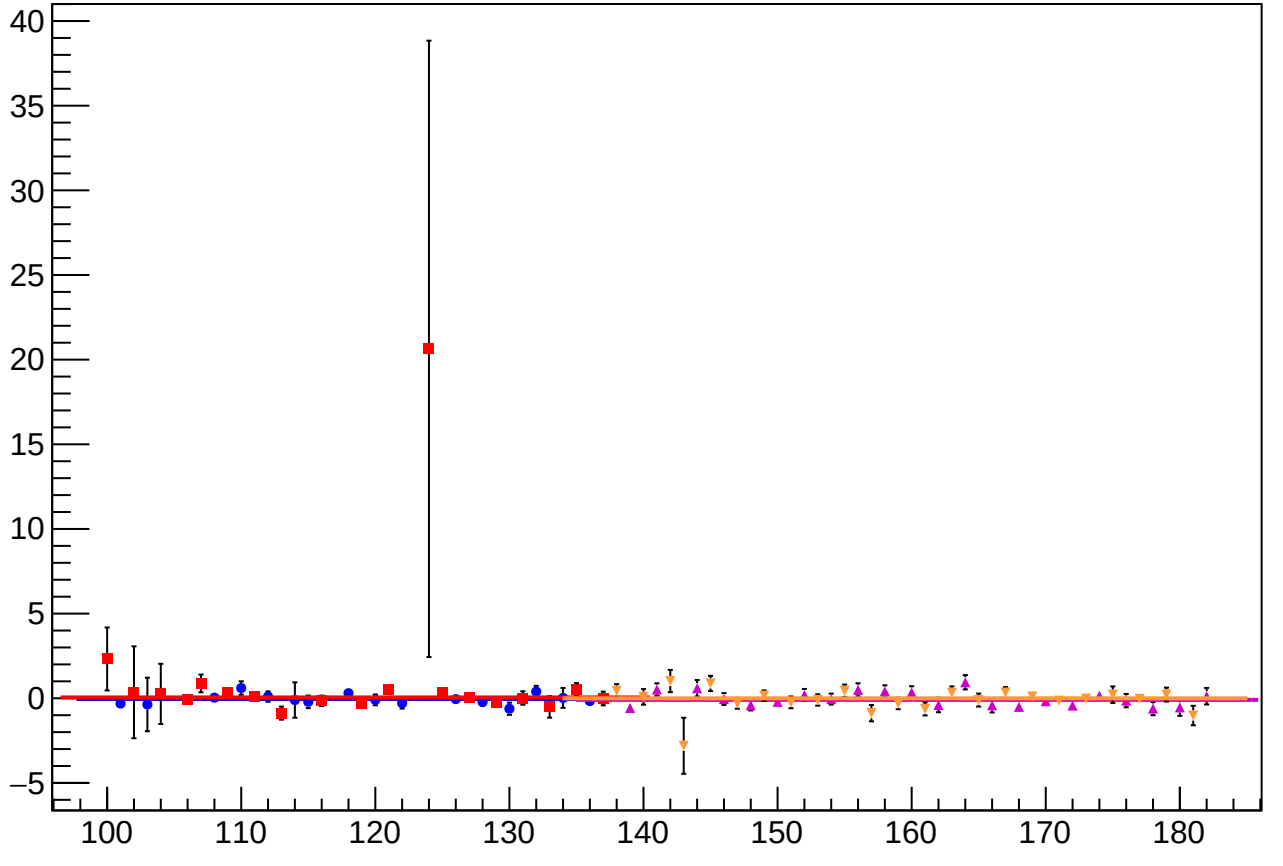
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 243.475+/-0.037 χ^2/NDF:4666018.5/37

Out: 240.378+/-0.038 χ^2/NDF:7460171.7/41

All: 241.947+/-0.026 χ^2/NDF: 12129641.3/79

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: -0.003+/-0.072 χ^2/NDF:26.7/22

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.095+/-0.071 χ^2/NDF:30.6/21

Left: -0.050+/-0.050 χ^2/NDF: 58.2/44

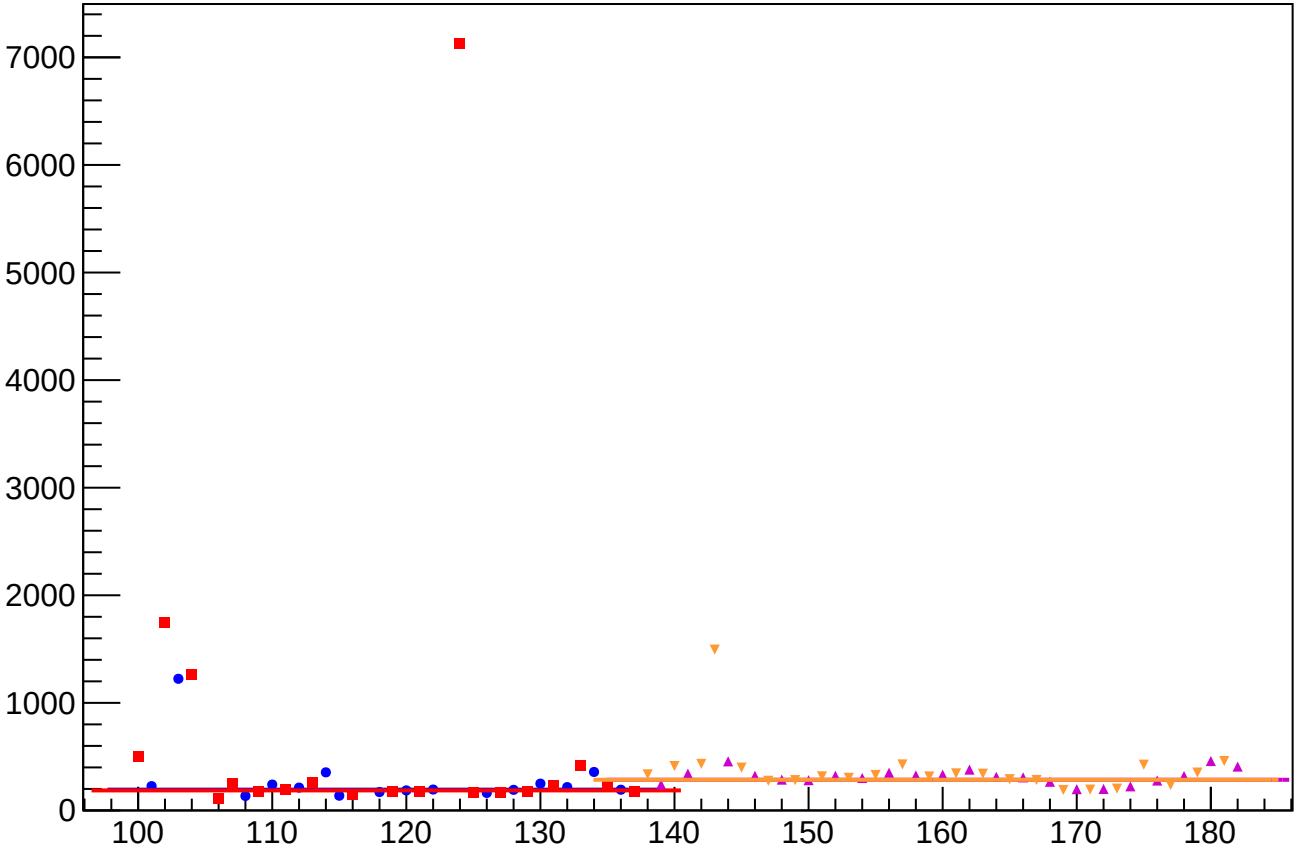
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.071+/-0.052 χ^2/NDF:42.6/37

Out: 0.021+/-0.053 χ^2/NDF:50.0/41

All: -0.025+/-0.037 χ^2/NDF: 94.1/79

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: 285.179+/-0.051 χ^2/NDF:3262112.8/22

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 285.190+/-0.050 χ^2/NDF:1729873.9/21

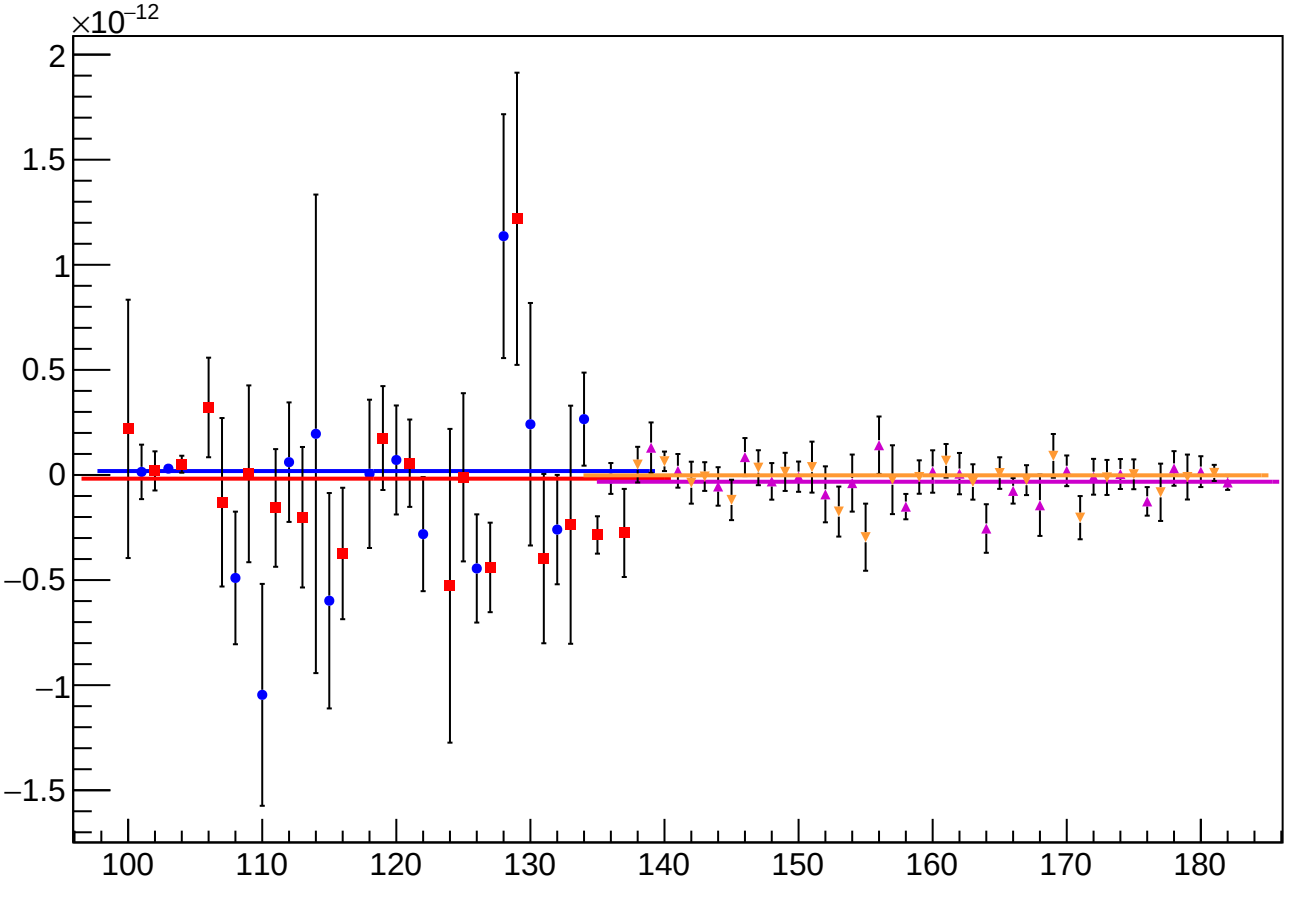
Left: 285.185+/-0.036 χ^2/NDF: 4991986.7/44

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 243.475+/-0.037 χ^2/NDF:4666018.5/37

Out: 240.378+/-0.038 χ^2/NDF:7460171.7/41

All: 241.947+/-0.026 χ^2/NDF: 12129641.3/79



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/22

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:18.7/21

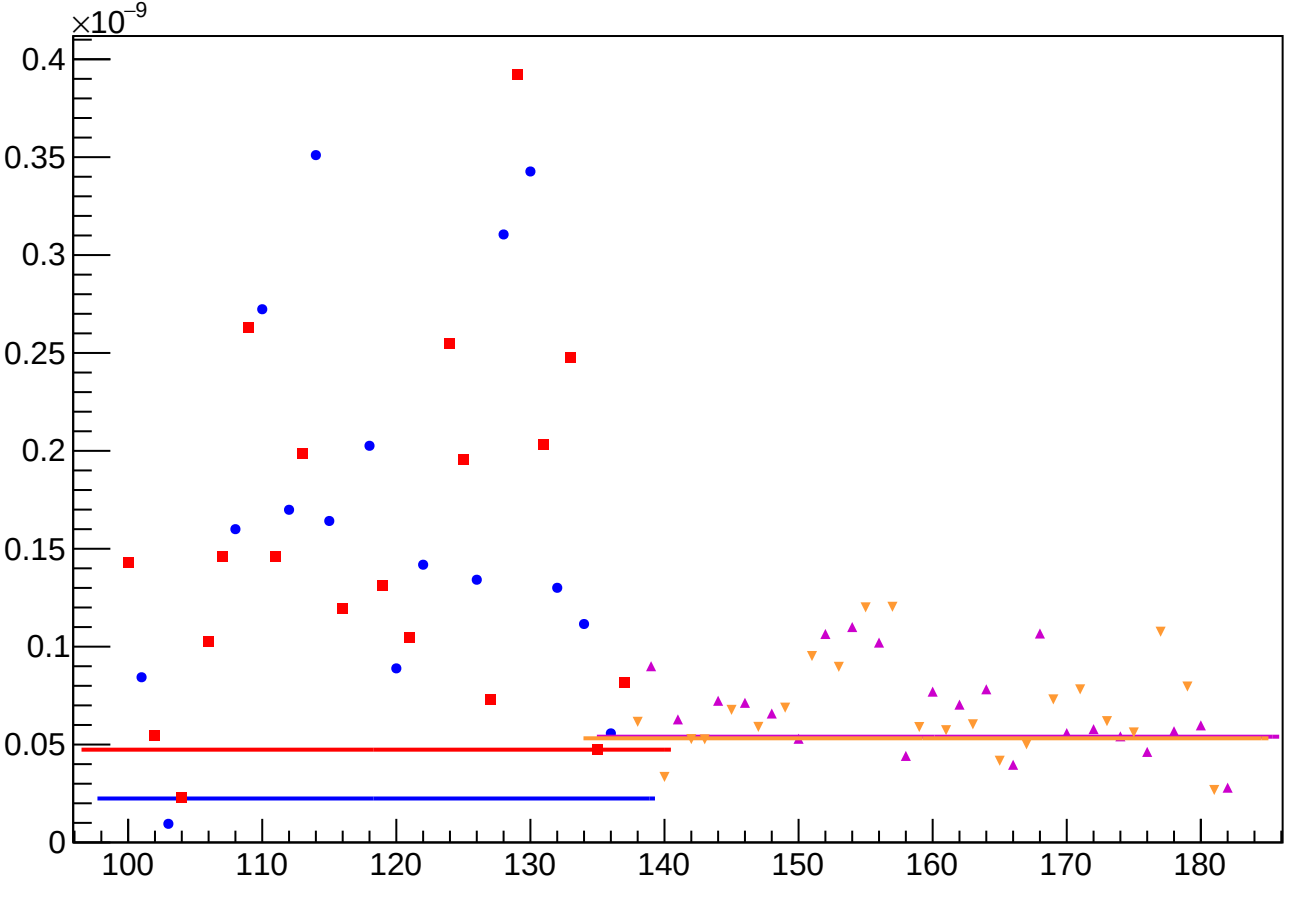
Left: -0.000+/-0.000 χ^2/NDF: 36.5/44

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: -0.000+/-0.000 χ^2/NDF:41.9/37

Out: -0.000+/-0.000 χ^2/NDF:43.3/41

All: -0.000+/-0.000 χ^2/NDF: 85.4/79



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3298358.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3080057.5/21

Left: 0.000+/-0.000 χ^2/NDF: 6380905.5/44

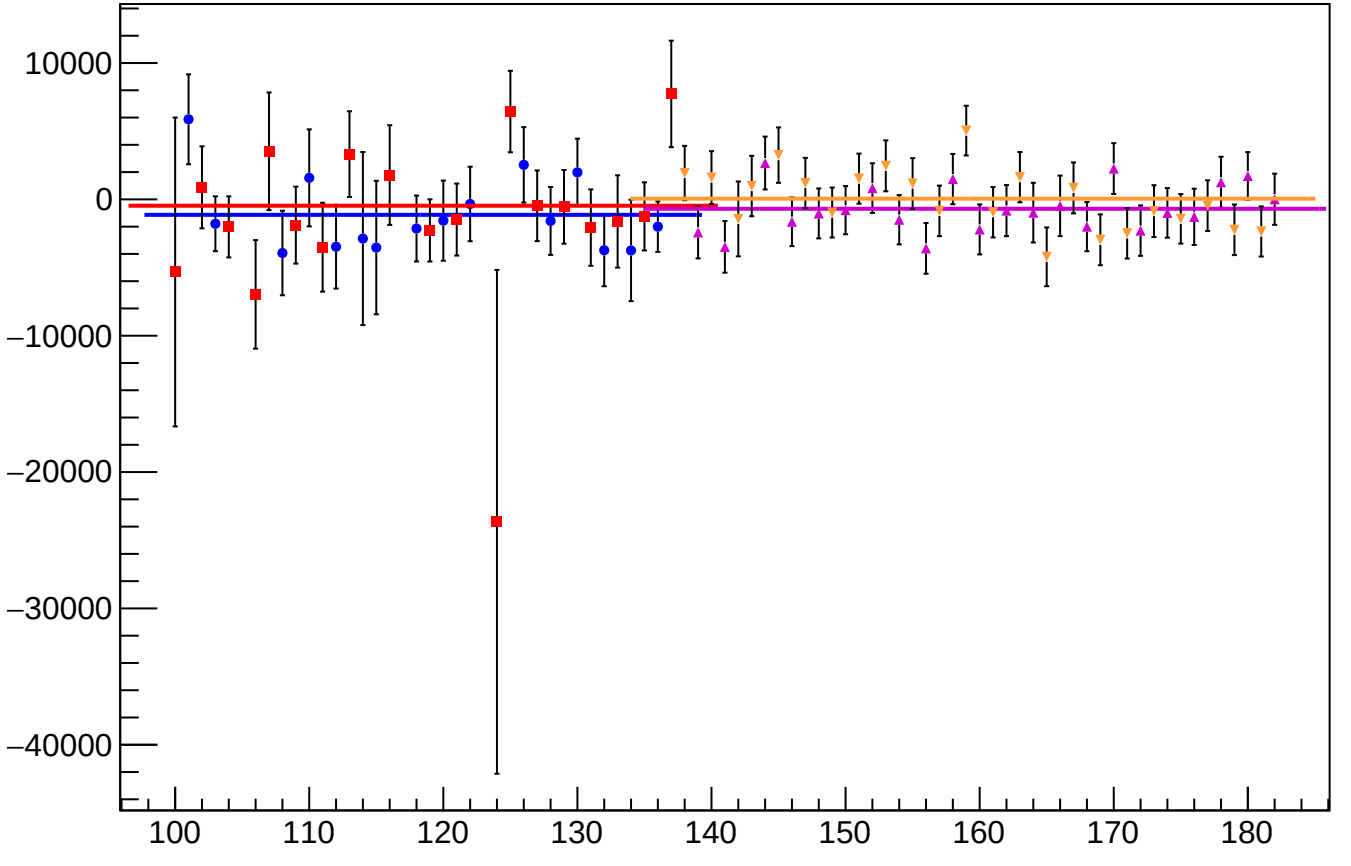
Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:12354365.9/37

Out: 0.000+/-0.000 χ^2/NDF:7588475.4/41

All: 0.000+/-0.000 χ^2/NDF: 20496839.4/79

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 54.024+/-399.209 χ^2/NDF:29.3/22

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -689.458+/-399.816 χ^2/NDF:18.7/21

Left: -317.152+/-282.498 χ^2/NDF: 49.8/44

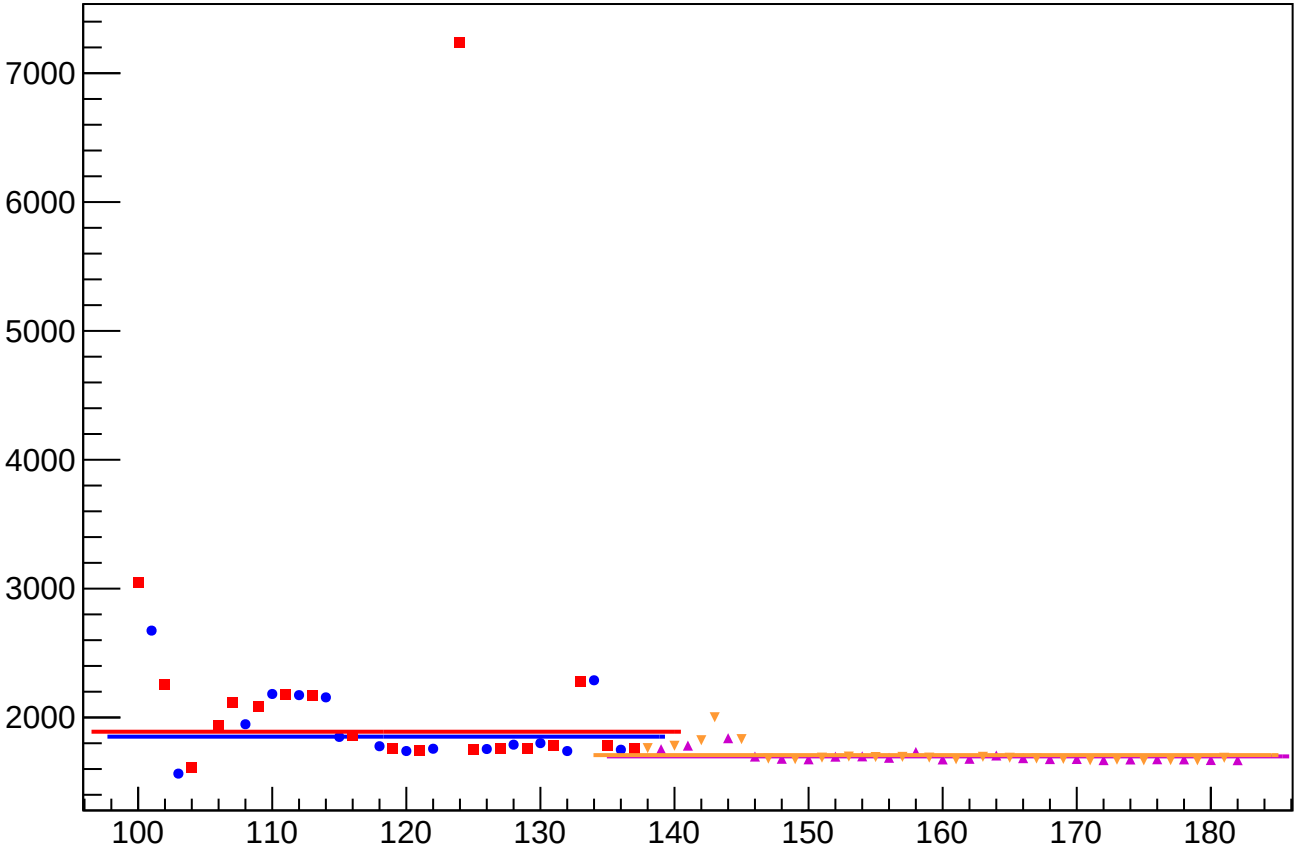
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -800.443+/-346.411 χ^2/NDF:31.3/37

Out: -71.867+/-347.493 χ^2/NDF:49.8/41

All: -437.291+/-245.331 χ^2/NDF: 83.2/79

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1707.900+/-0.282 χ^2/NDF:58783.1/22

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1697.978+/-0.283 χ^2/NDF:20986.2/21

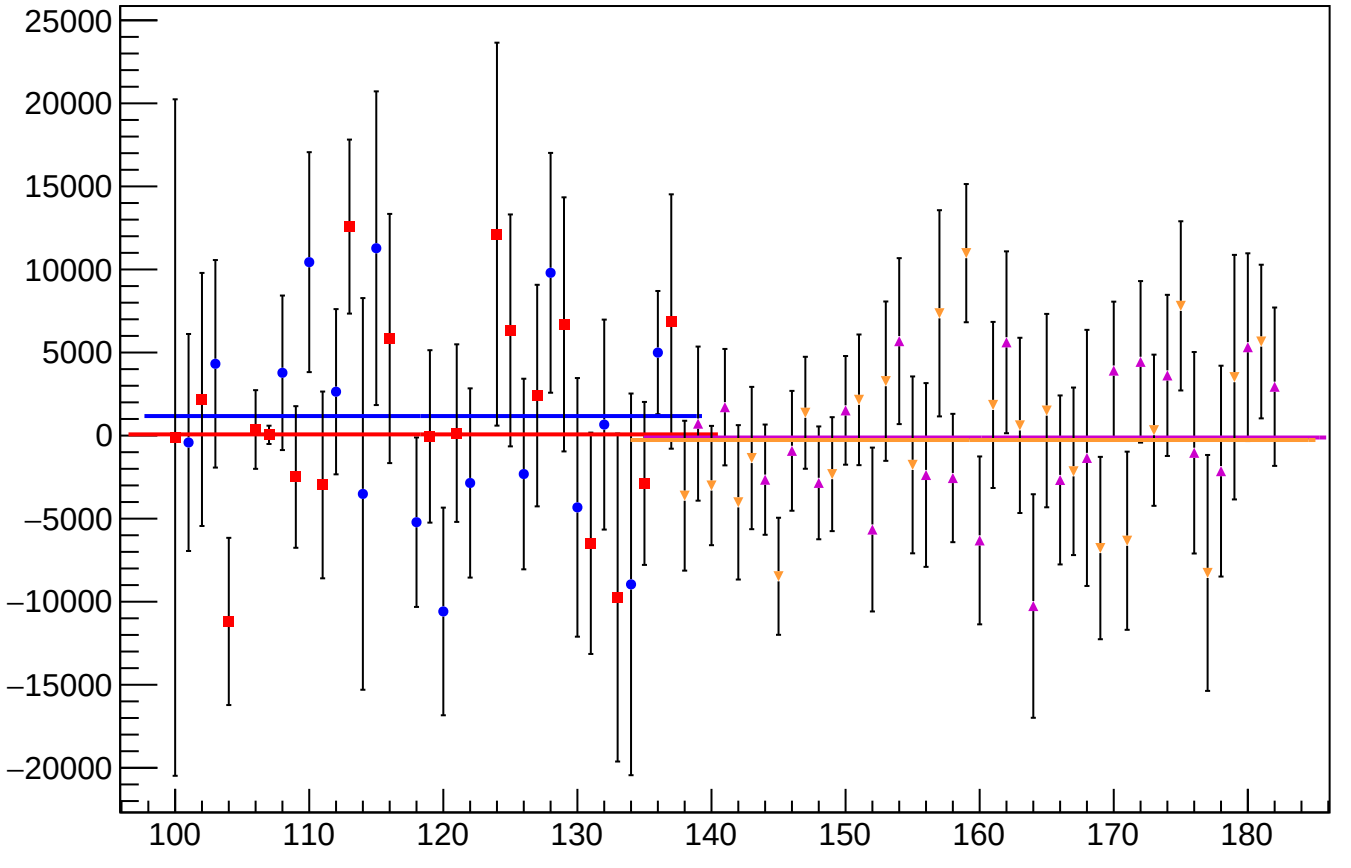
Left: 1702.947+/-0.200 χ^2/NDF: 80386.1/44

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1736.160+/-0.245 χ^2/NDF:354130.6/37

Out: 1752.065+/-0.246 χ^2/NDF:518353.2/41

All: 1744.093+/-0.173 χ^2/NDF: 874586.5/79



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -266.305+/-956.562 χ^2/NDF:26.5/22

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -115.555+/-963.596 χ^2/NDF:14.0/21

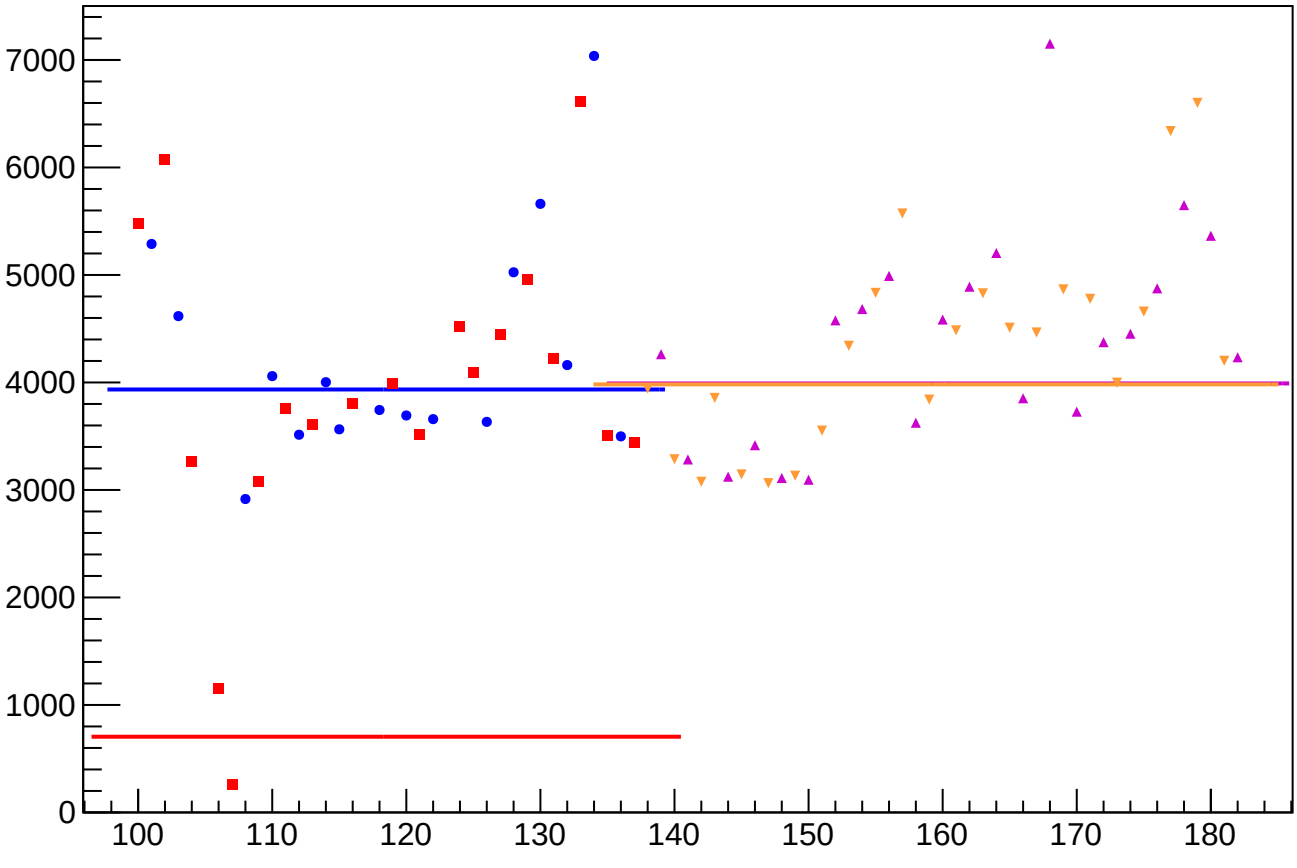
Left: -191.482+/-678.865 χ^2/NDF: 40.6/44

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 260.815+/-811.061 χ^2/NDF:28.3/37

Out: -1.364+/-447.065 χ^2/NDF:44.5/41

All: 59.732+/-391.525 χ^2/NDF: 72.9/79



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3982.070+/-0.676 χ^2/NDF:1472971.7/22

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3990.866+/-0.681 χ^2/NDF:1535676.0/21

Left: 3986.435+/-0.480 χ^2/NDF: 3008731.7/44

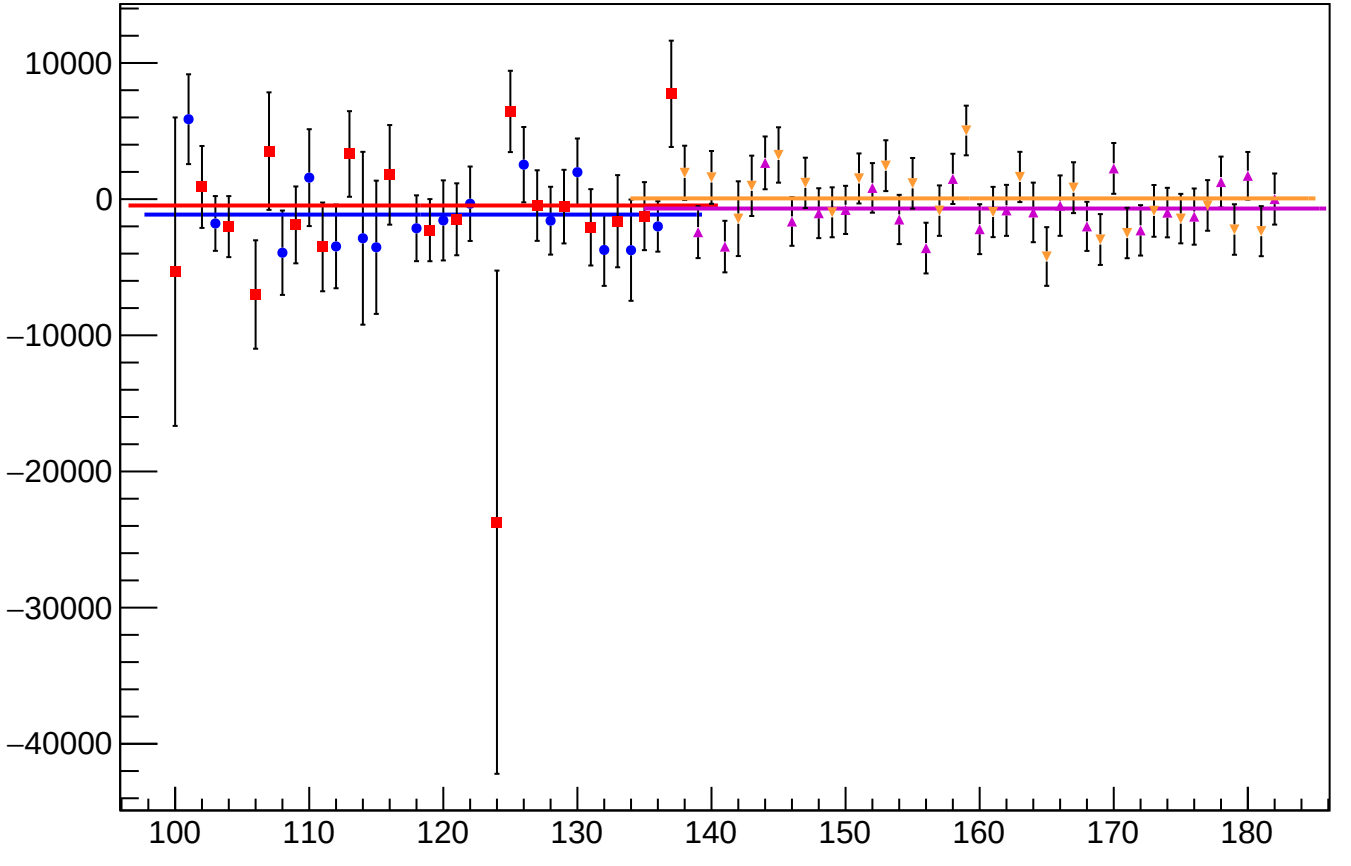
Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3974.497+/-0.574 χ^2/NDF:2097781.3/37

Out: 1420.335+/-0.316 χ^2/NDF:30444540.9/41

All: 2015.531+/-0.277 χ^2/NDF: 47754725.2/7

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 54.105+/-399.209 χ^2/NDF:29.3/22

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -689.355+/-399.816 χ^2/NDF:18.7/21

Left: -317.060+/-282.498 χ^2/NDF: 49.8/44

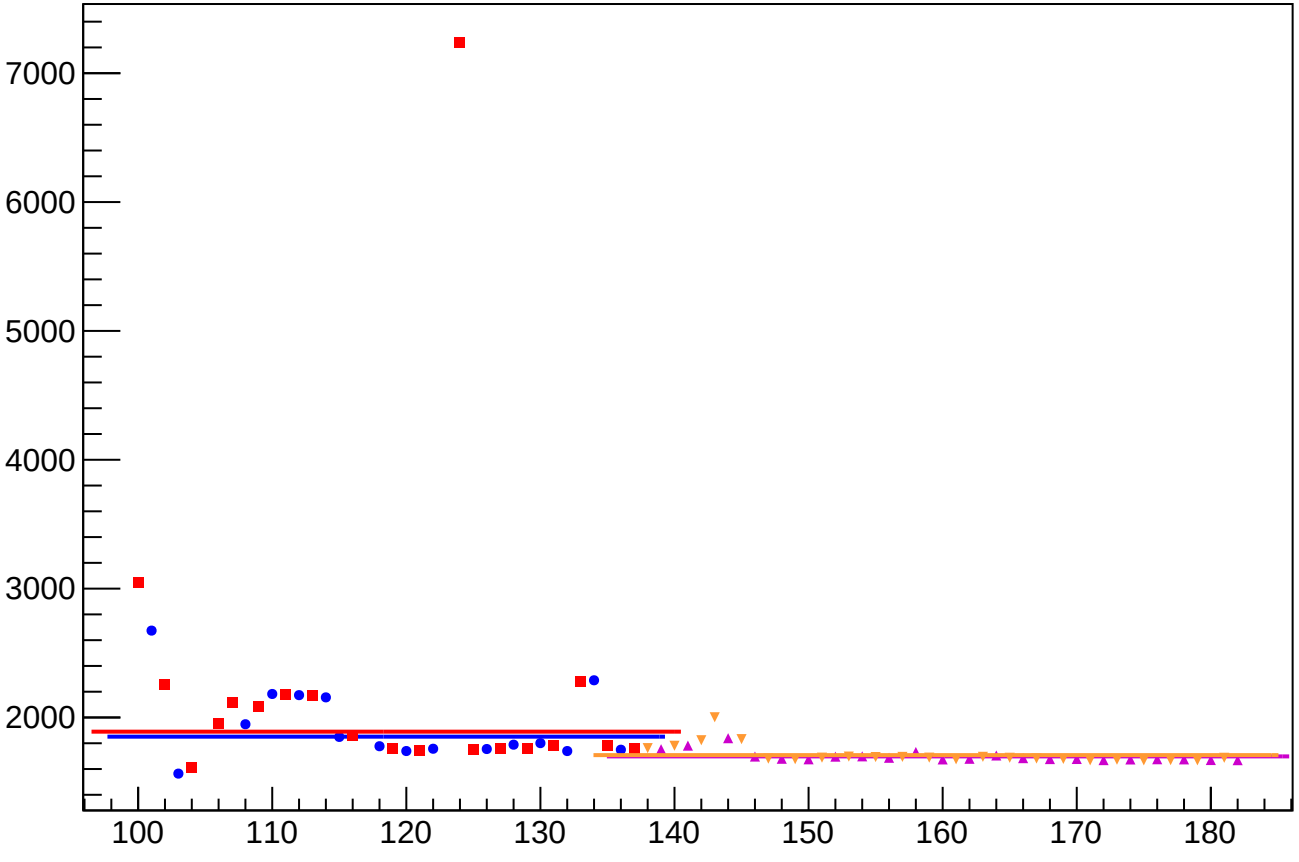
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -800.259+/-346.411 χ^2/NDF:31.3/37

Out: -71.897+/-347.493 χ^2/NDF:49.8/41

All: -437.215+/-245.331 χ^2/NDF: 83.3/79

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1707.900+/-0.282 χ^2/NDF:58783.1/22

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1697.978+/-0.283 χ^2/NDF:20986.2/21

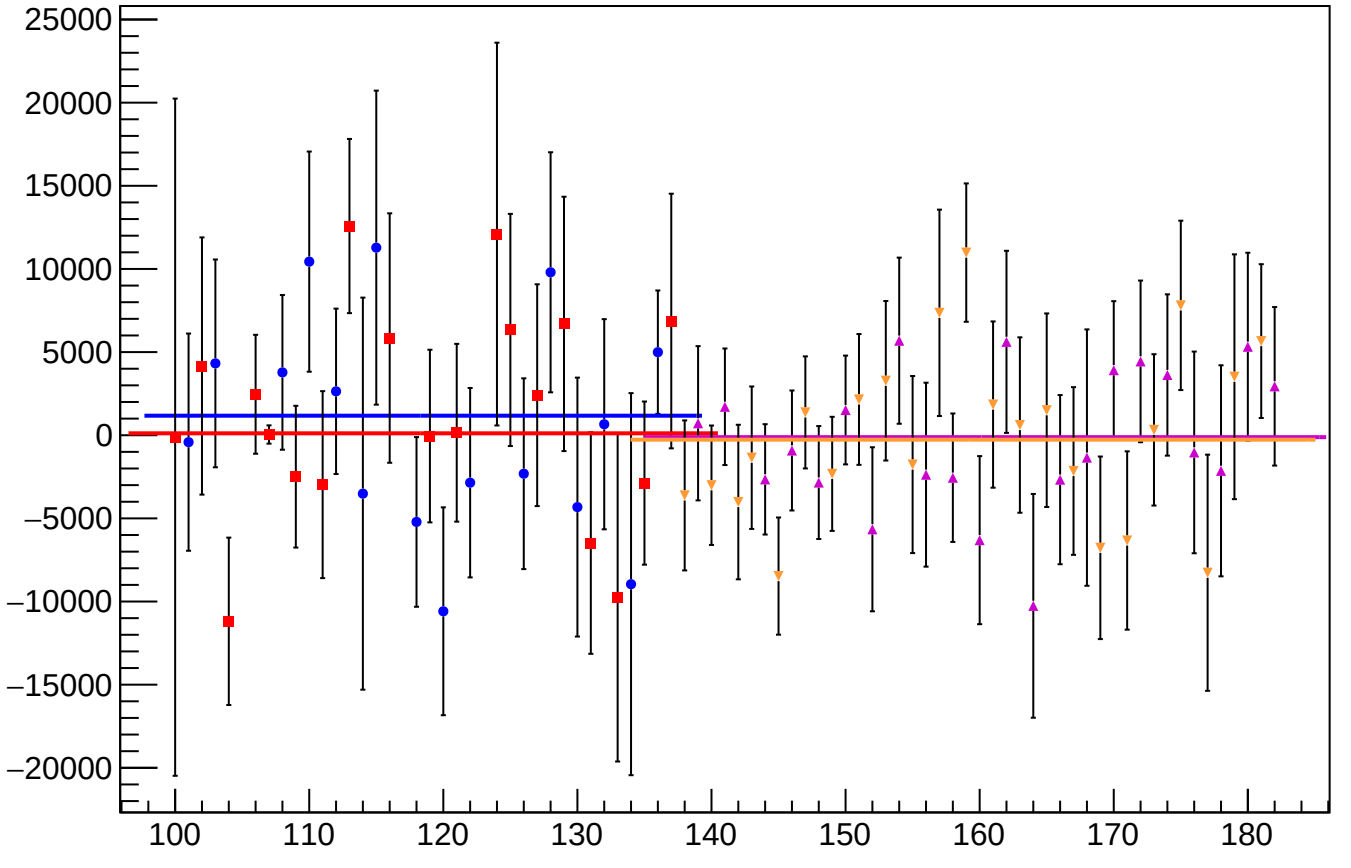
Left: 1702.947+/-0.200 χ^2/NDF: 80386.1/44

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1736.161+/-0.245 χ^2/NDF:354130.1/37

Out: 1752.162+/-0.246 χ^2/NDF:519046.8/41

All: 1744.140+/-0.173 χ^2/NDF: 875305.0/79



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -266.283+/-956.560 χ^2/NDF:26.5/22

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -115.503+/-963.596 χ^2/NDF:14.0/21

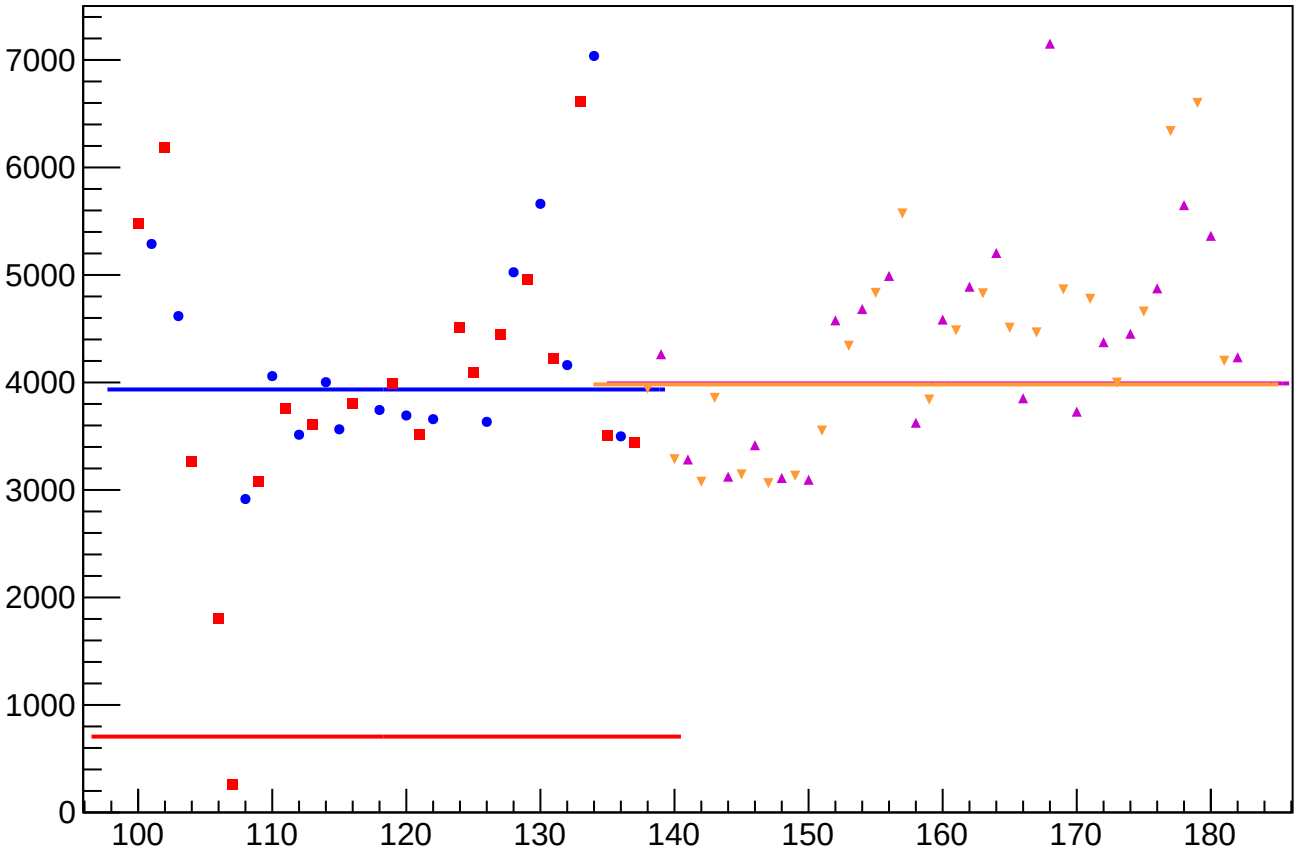
Left: -191.445+/-678.864 χ^2/NDF: 40.6/44

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 260.843+/-811.062 χ^2/NDF:28.3/37

Out: 30.729+/-451.603 χ^2/NDF:45.2/41

All: 85.187+/-394.562 χ^2/NDF: 73.5/79



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3982.060+/-0.676 χ^2/NDF:1472987.1/22

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3990.865+/-0.681 χ^2/NDF:1535659.8/21

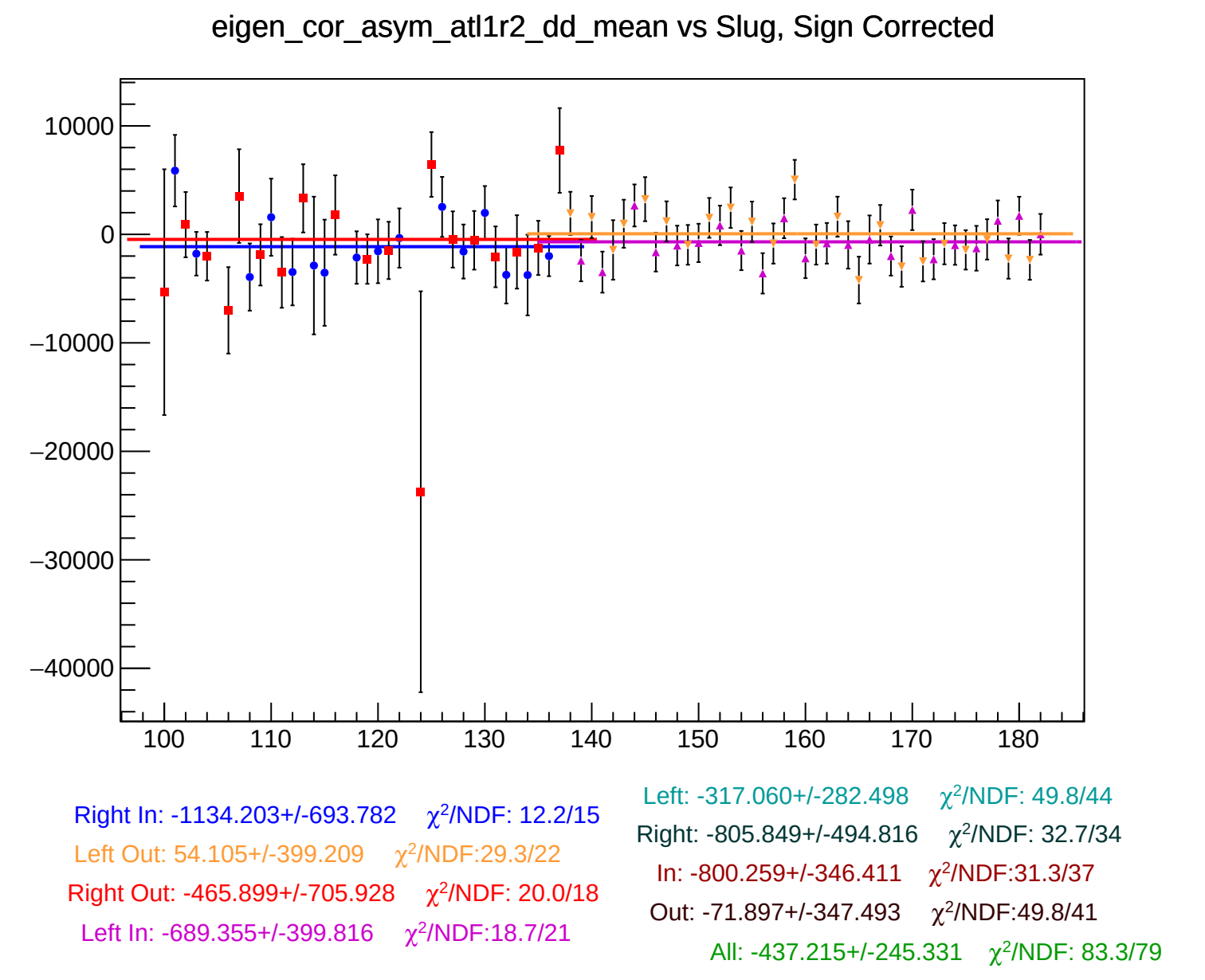
Left: 3986.430+/-0.480 χ^2/NDF: 3008731.0/44

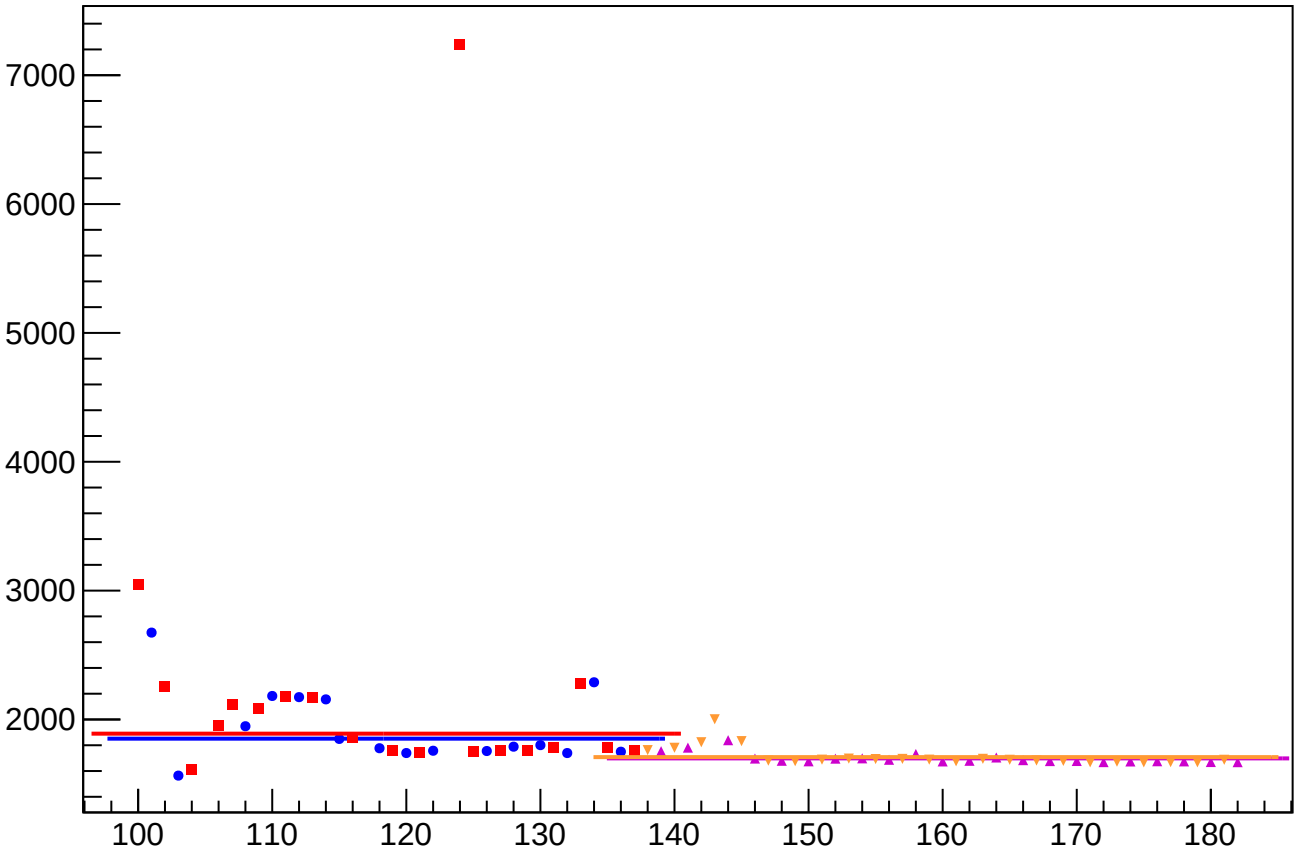
Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3974.499+/-0.574 χ^2/NDF:2097788.7/37

Out: 1435.903+/-0.319 χ^2/NDF:30454665.6/41

All: 2036.685+/-0.279 χ^2/NDF: 47508867.8/7


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 54.105+/-399.209 χ²/NDF:29.3/22
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -689.355+/-399.816 χ²/NDF:18.7/21
Left: -317.060+/-282.498 χ²/NDF: 49.8/44
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -800.259+/-346.411 χ²/NDF:31.3/37
Out: -71.897+/-347.493 χ²/NDF:49.8/41
All: -437.215+/-245.331 χ²/NDF: 83.3/79



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1707.900+/-0.282 χ^2/NDF:58783.1/22

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1697.978+/-0.283 χ^2/NDF:20986.2/21

Left: 1702.947+/-0.200 χ^2/NDF: 80386.1/44

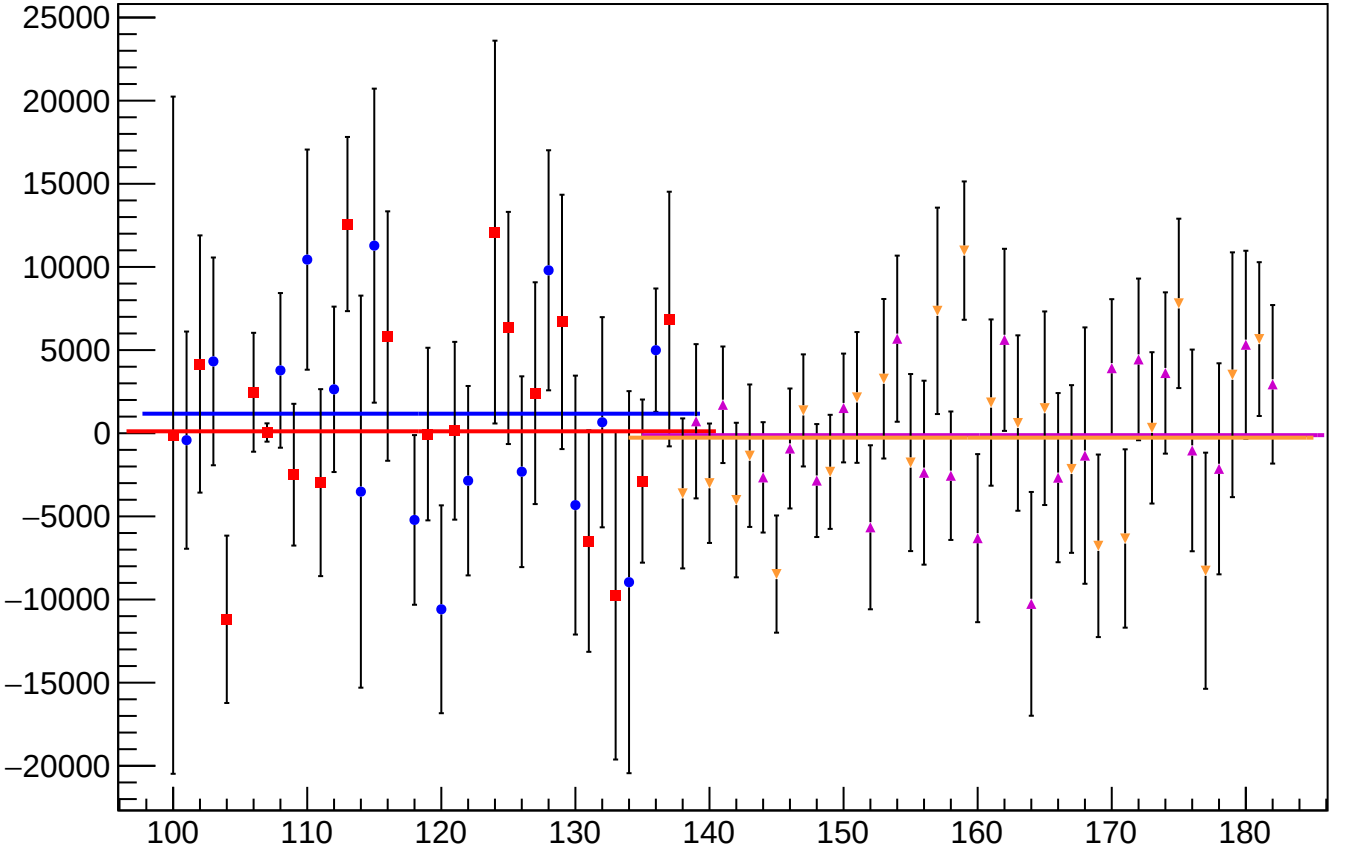
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1736.161+/-0.245 χ^2/NDF:354130.1/37

Out: 1752.162+/-0.246 χ^2/NDF:519046.8/41

All: 1744.140+/-0.173 χ^2/NDF: 875305.0/79

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: -266.283+/-956.560 χ^2/NDF:26.5/22

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -115.503+/-963.596 χ^2/NDF:14.0/21

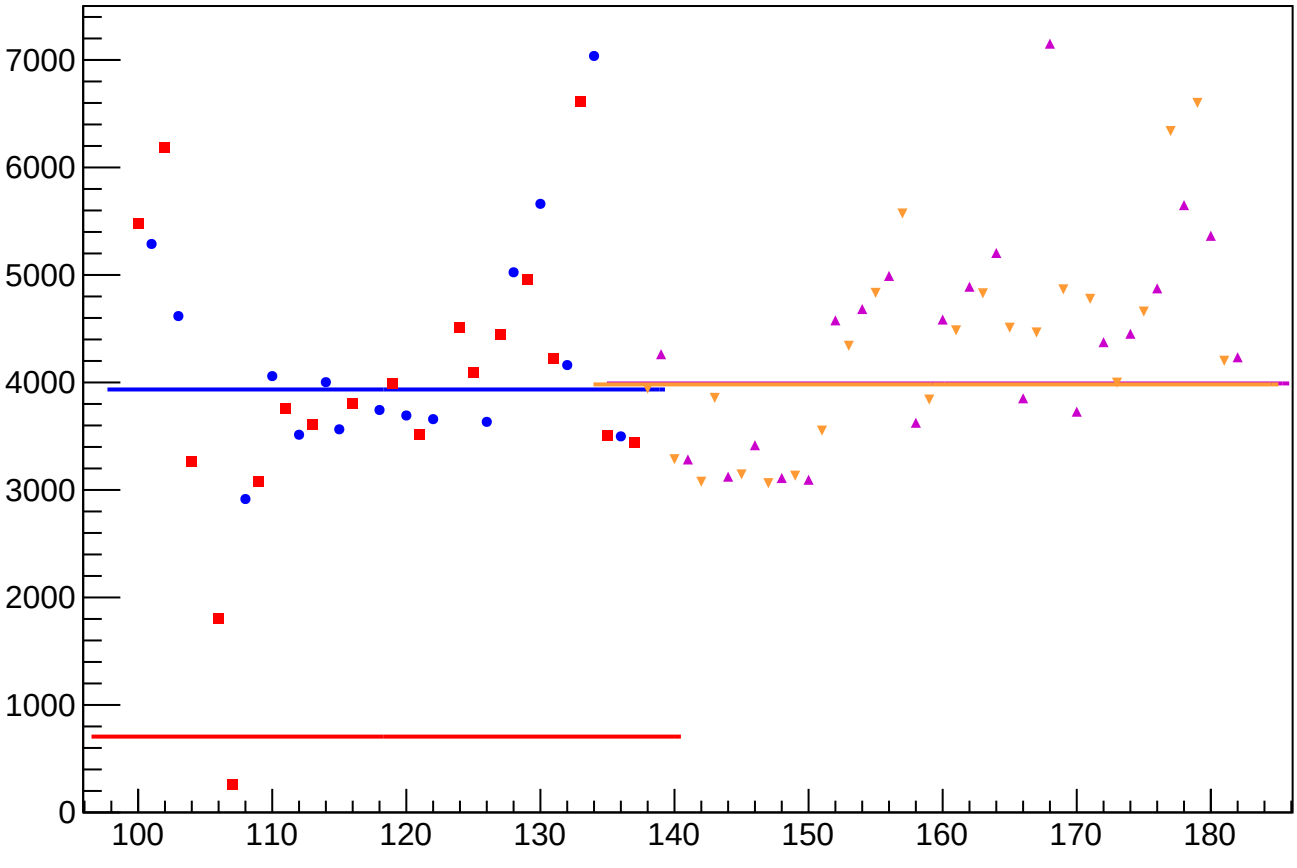
Left: -191.445+/-678.864 χ^2/NDF: 40.6/44

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 260.843+/-811.062 χ^2/NDF:28.3/37

Out: 30.729+/-451.603 χ^2/NDF:45.2/41

All: 85.187+/-394.562 χ^2/NDF: 73.5/79



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3982.060+/-0.676 χ^2/NDF:1472987.1/22

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3990.865+/-0.681 χ^2/NDF:1535659.8/21

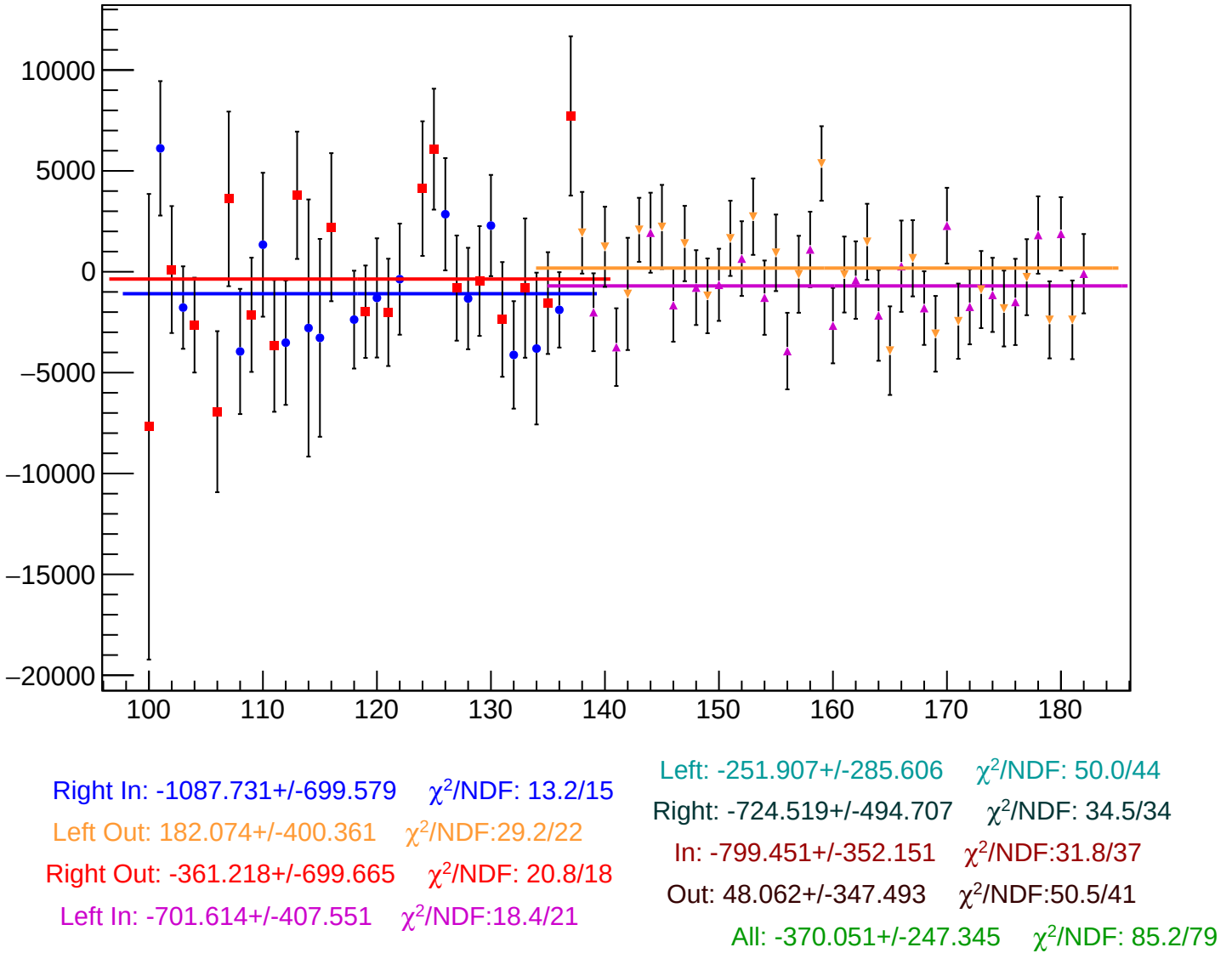
Left: 3986.430+/-0.480 χ^2/NDF: 3008731.0/44

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

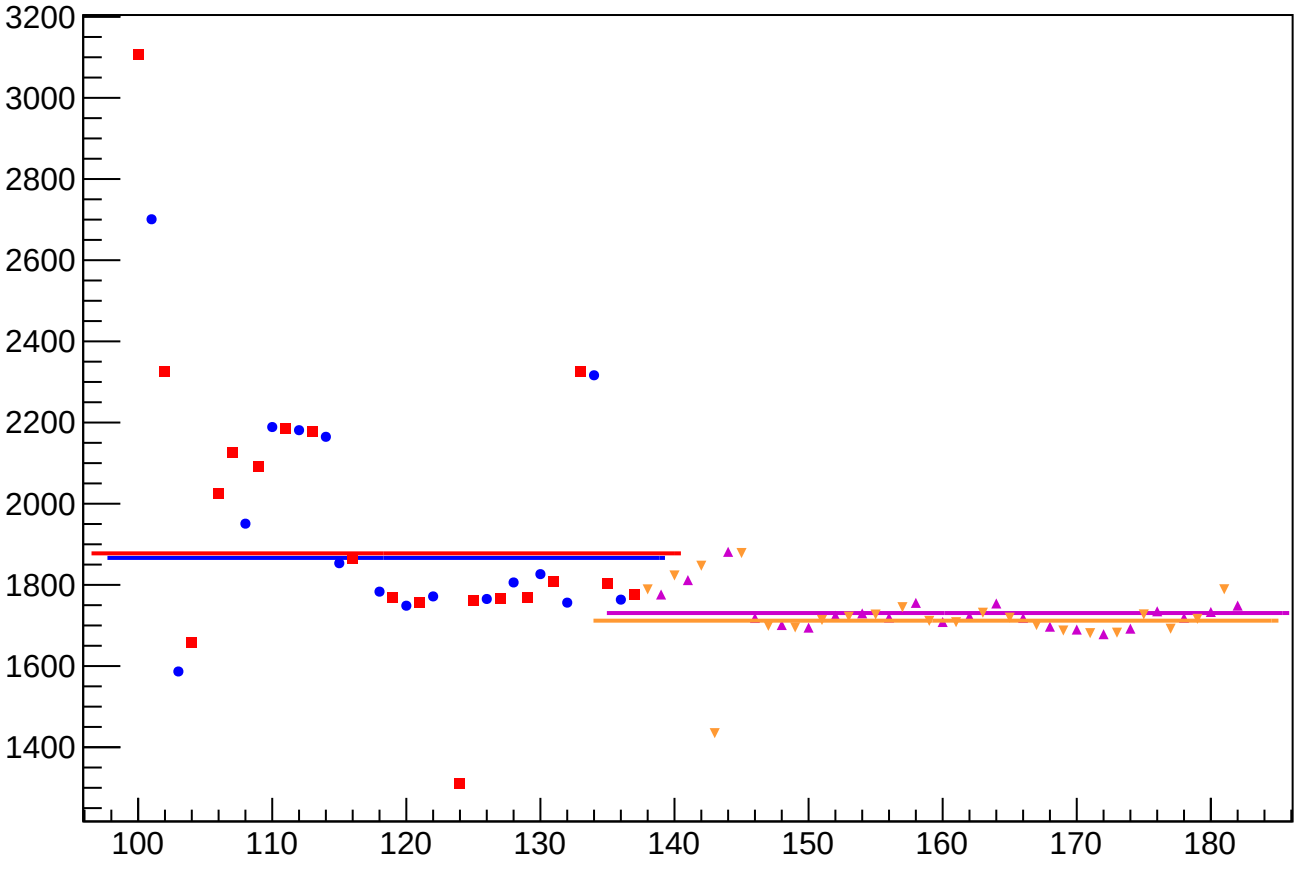
In: 3974.499+/-0.574 χ^2/NDF:2097788.7/37

Out: 1435.903+/-0.319 χ^2/NDF:30454665.6/41

All: 2036.685+/-0.279 χ^2/NDF: 47508867.8/7


dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1087.731+/-699.579 χ²/NDF: 13.2/15
Left Out: 182.074+/-400.361 χ²/NDF:29.2/22
Right Out: -361.218+/-699.665 χ²/NDF: 20.8/18
Left In: -701.614+/-407.551 χ²/NDF:18.4/21
Left: -251.907+/-285.606 χ²/NDF: 50.0/44
Right: -724.519+/-494.707 χ²/NDF: 34.5/34
In: -799.451+/-352.151 χ²/NDF:31.8/37
Out: 48.062+/-347.493 χ²/NDF:50.5/41
All: -370.051+/-247.345 χ²/NDF: 85.2/79

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1711.857+/-0.283 χ^2/NDF:93891.1/22

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1730.631+/-0.288 χ^2/NDF:23015.0/21

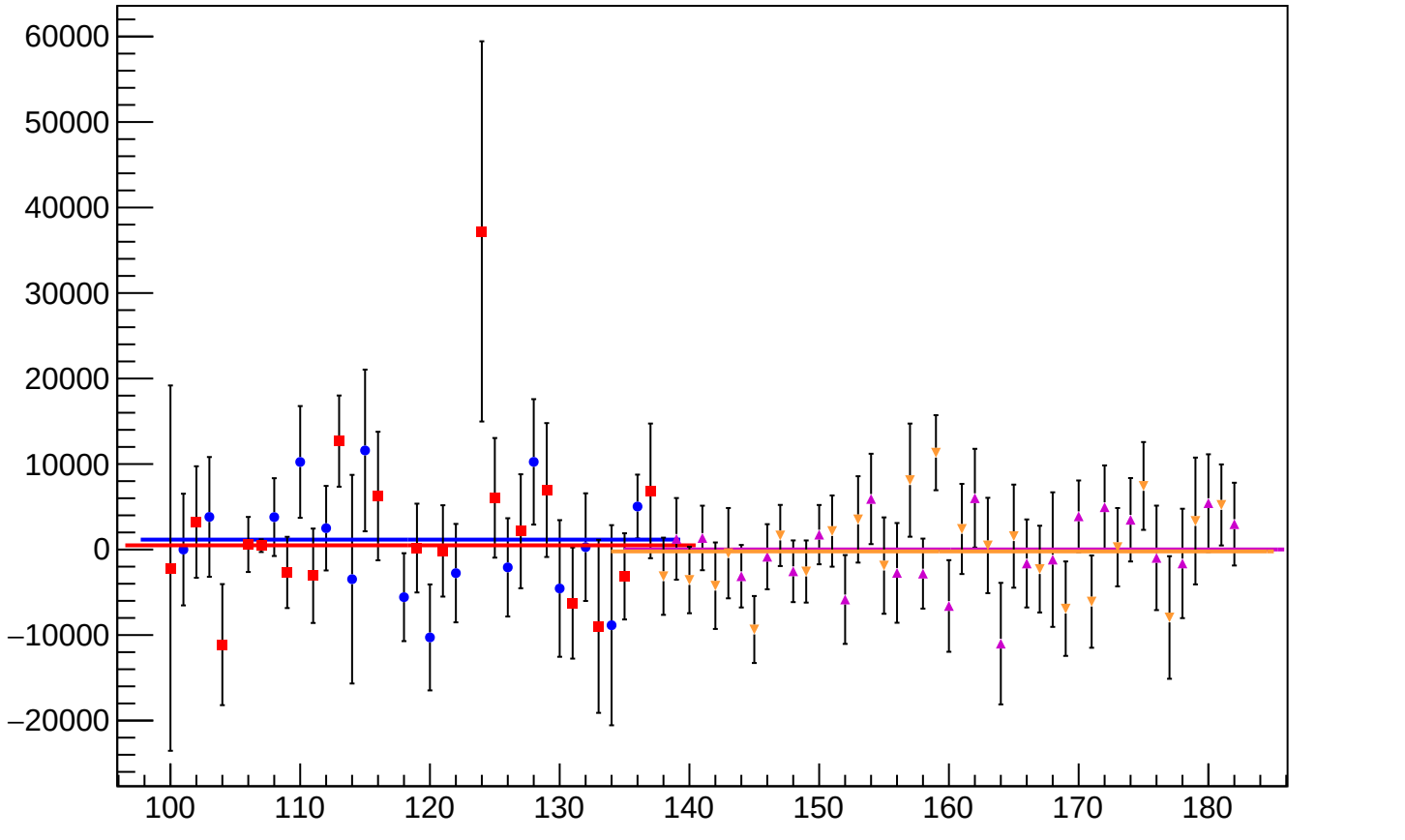
Left: 1721.077+/-0.202 χ^2/NDF: 119065.7/44

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1765.047+/-0.249 χ^2/NDF:335564.8/37

Out: 1752.806+/-0.246 χ^2/NDF:430455.4/41

All: 1758.844+/-0.175 χ^2/NDF: 767244.8/79



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -217.423+/-1009.225 χ^2/NDF:25.5/22

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: 11.284+/-1008.097 χ^2/NDF:13.8/21

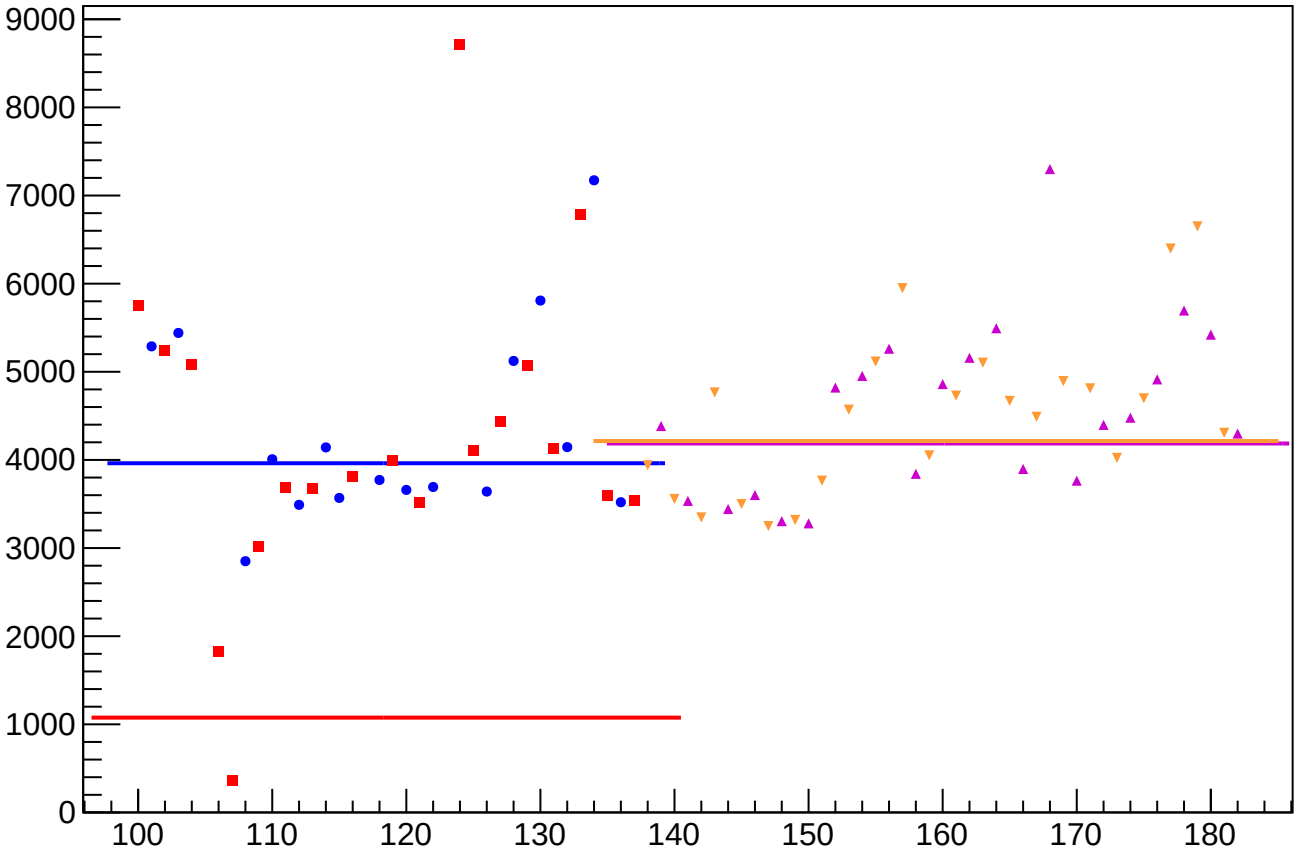
Left: -102.942+/-713.231 χ^2/NDF: 39.3/44

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 365.055+/-838.801 χ^2/NDF:27.9/37

Out: 280.794+/-551.495 χ^2/NDF:42.8/41

All: 306.225+/-460.816 χ^2/NDF: 70.7/79



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4214.443+/-0.714 χ^2/NDF:1269099.7/22

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 4186.526+/-0.713 χ^2/NDF:1343915.2/21

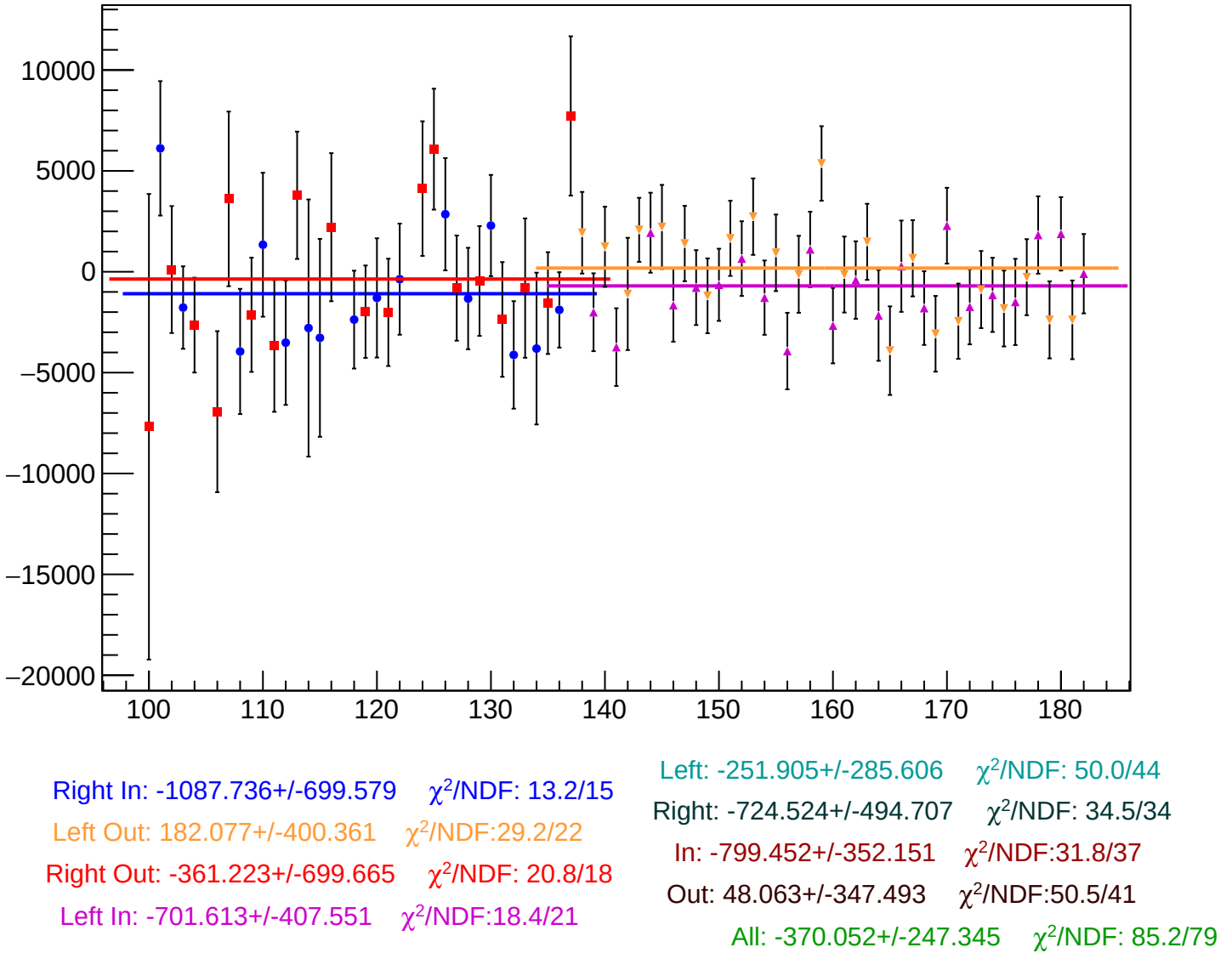
Left: 4200.469+/-0.504 χ^2/NDF: 2613780.8/44

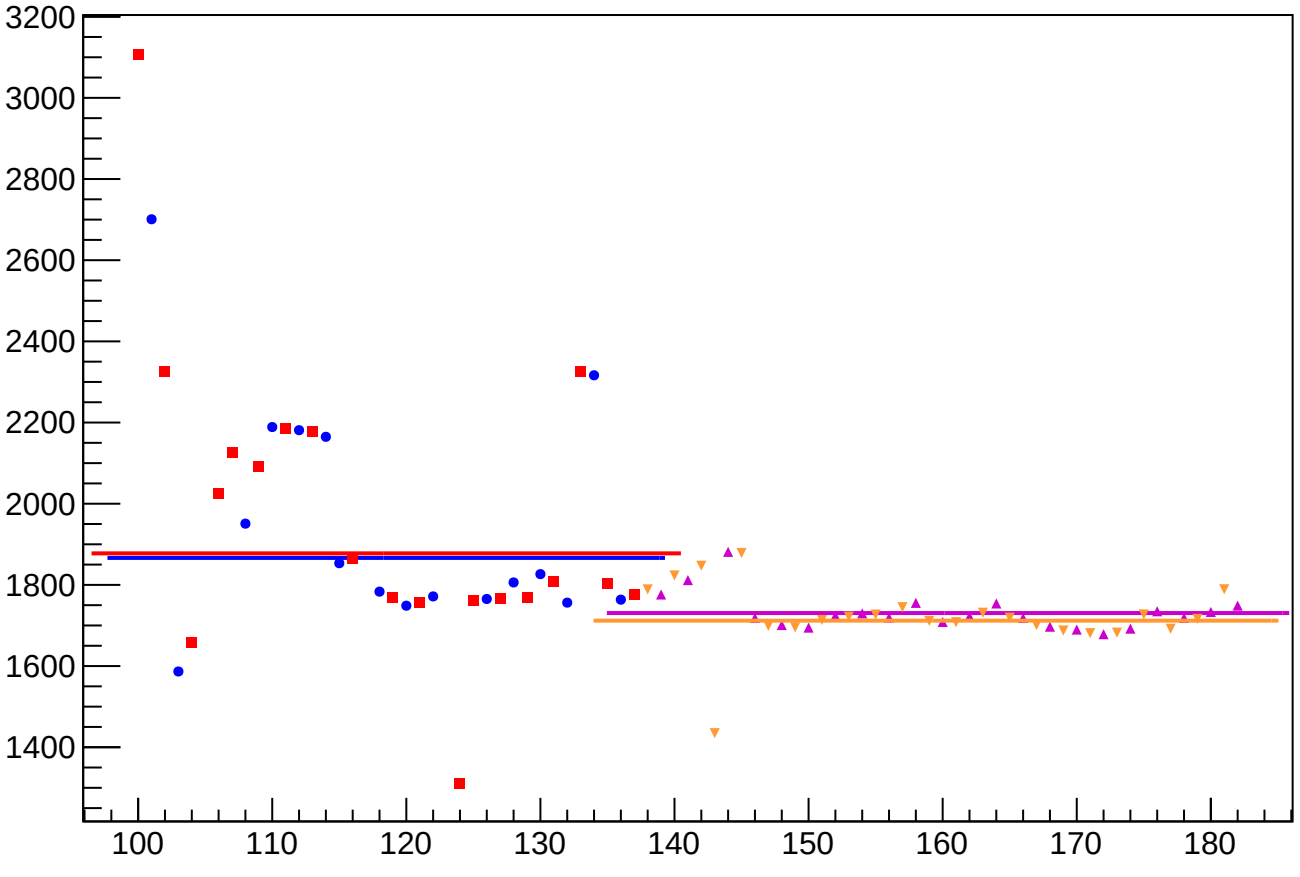
Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 4117.560+/-0.593 χ^2/NDF:2042679.1/37

Out: 2013.147+/-0.390 χ^2/NDF:24393487.7/41

All: 2648.285+/-0.326 χ^2/NDF: 35225299.3/7


eigen_dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1087.736+/-699.579 χ²/NDF: 13.2/15
Left Out: 182.077+/-400.361 χ²/NDF:29.2/22
Right Out: -361.223+/-699.665 χ²/NDF: 20.8/18
Left In: -701.613+/-407.551 χ²/NDF:18.4/21
Left: -251.905+/-285.606 χ²/NDF: 50.0/44
Right: -724.524+/-494.707 χ²/NDF: 34.5/34
In: -799.452+/-352.151 χ²/NDF:31.8/37
Out: 48.063+/-347.493 χ²/NDF:50.5/41
All: -370.052+/-247.345 χ²/NDF: 85.2/79



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1711.858+/-0.283 χ^2/NDF:93890.2/22

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1730.631+/-0.288 χ^2/NDF:23015.0/21

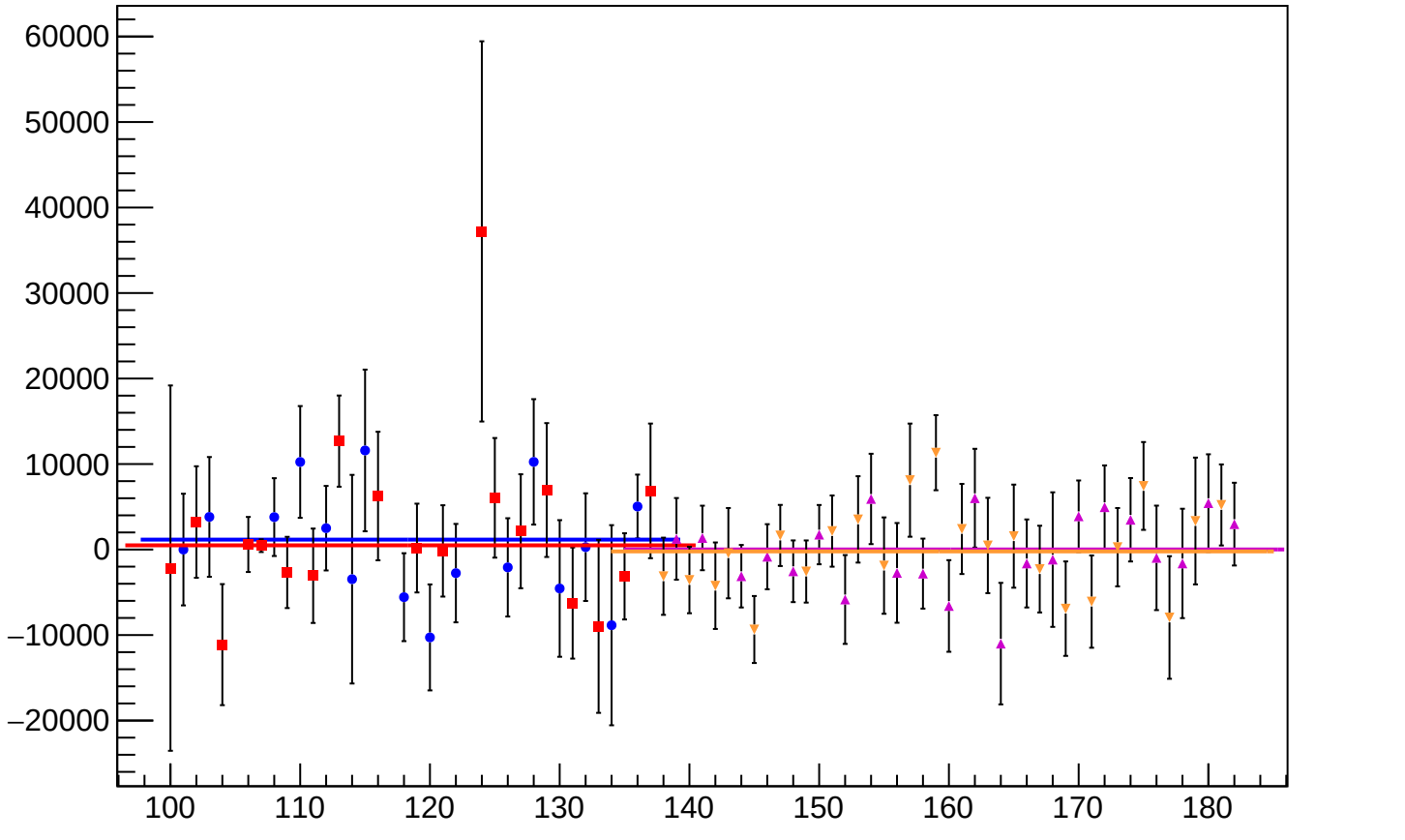
Left: 1721.078+/-0.202 χ^2/NDF: 119064.8/44

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1765.048+/-0.249 χ^2/NDF:335564.0/37

Out: 1752.807+/-0.246 χ^2/NDF:430454.1/41

All: 1758.844+/-0.175 χ^2/NDF: 767242.7/79



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -217.424+/-1009.227 χ^2/NDF:25.5/22

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: 11.285+/-1008.098 χ^2/NDF:13.8/21

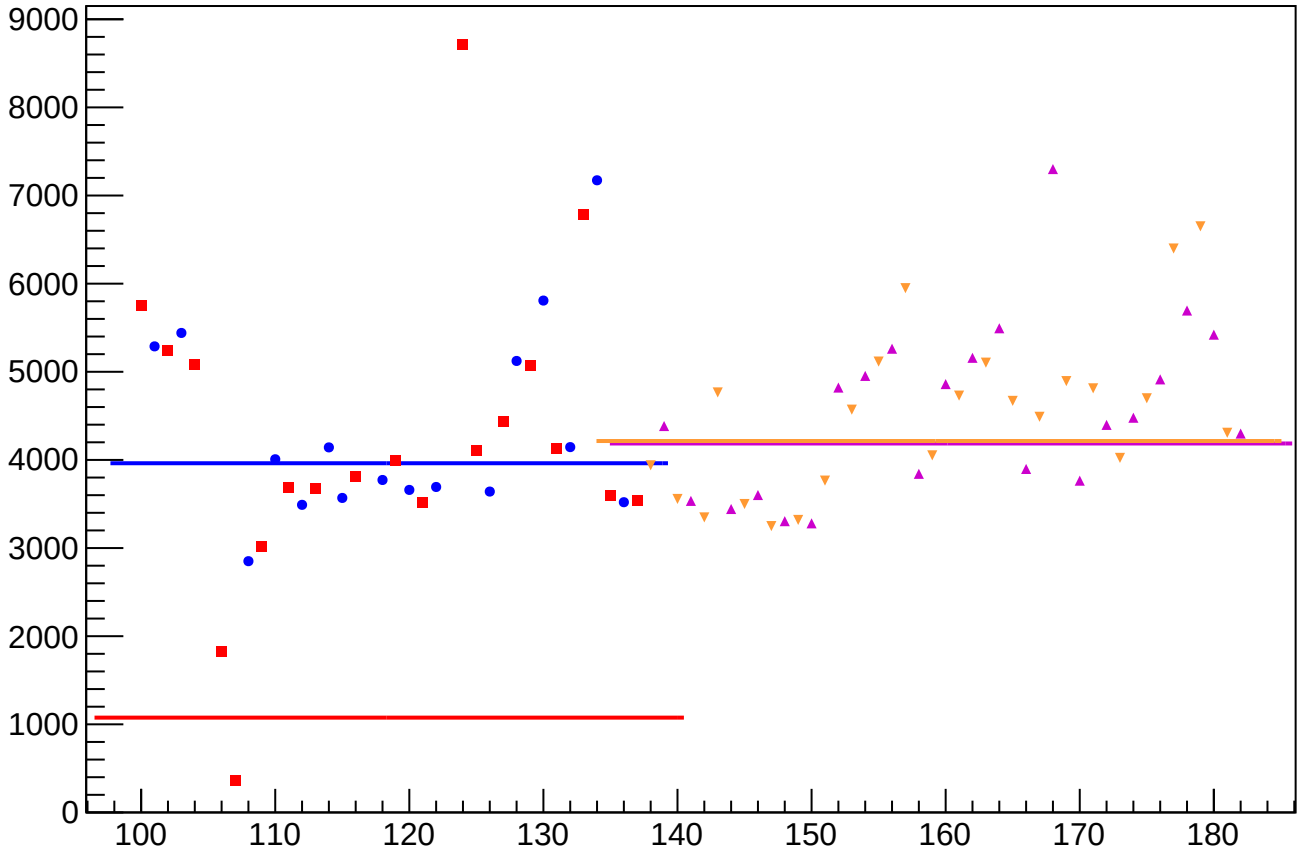
Left: -102.941+/-713.232 χ^2/NDF: 39.3/44

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 365.051+/-838.801 χ^2/NDF:27.9/37

Out: 280.794+/-551.502 χ^2/NDF:42.8/41

All: 306.225+/-460.820 χ^2/NDF: 70.7/79



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4214.449+/-0.714 χ^2/NDF:1269102.0/22

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 4186.532+/-0.713 χ^2/NDF:1343920.1/21

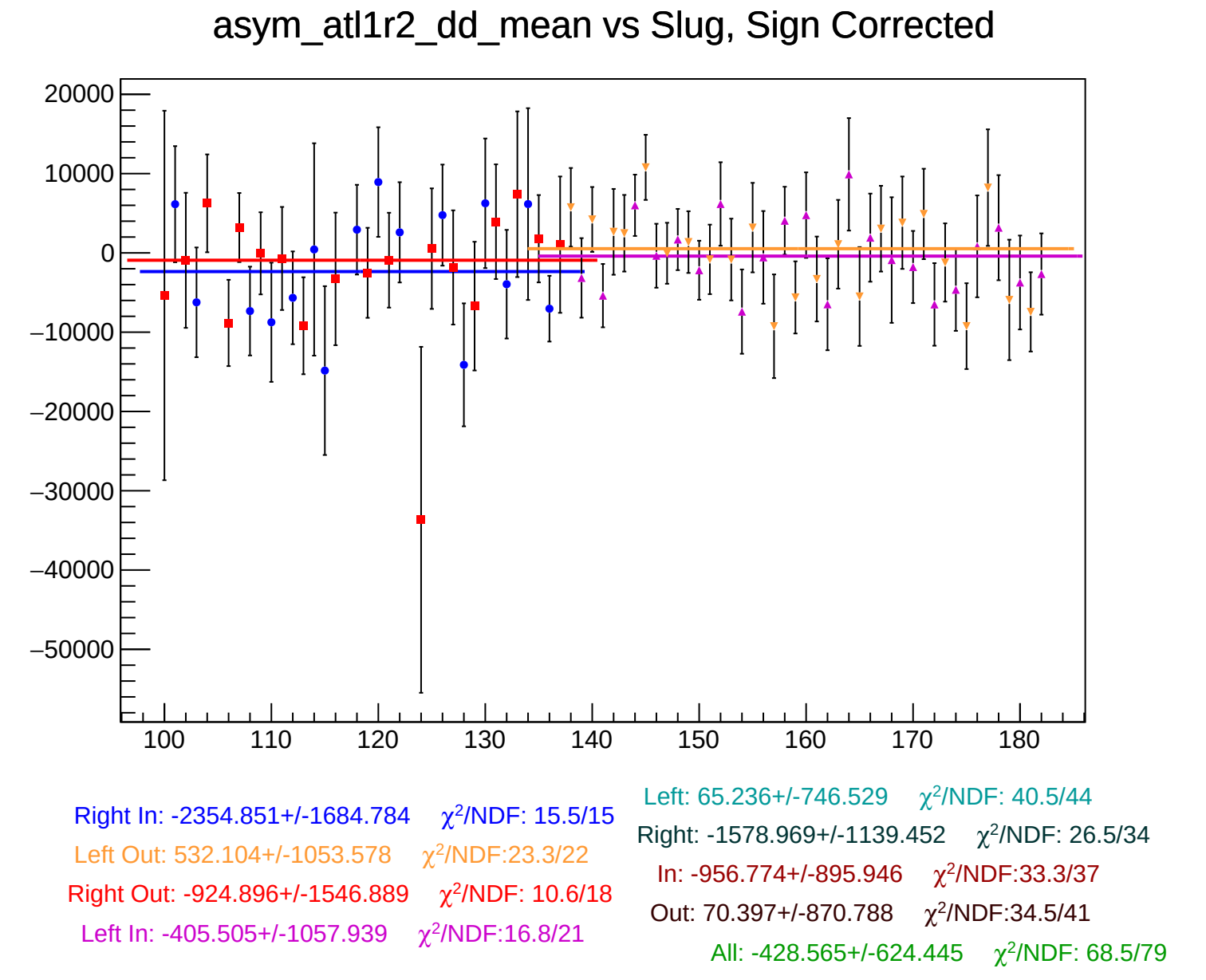
Left: 4200.475+/-0.504 χ^2/NDF: 2613788.1/44

Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

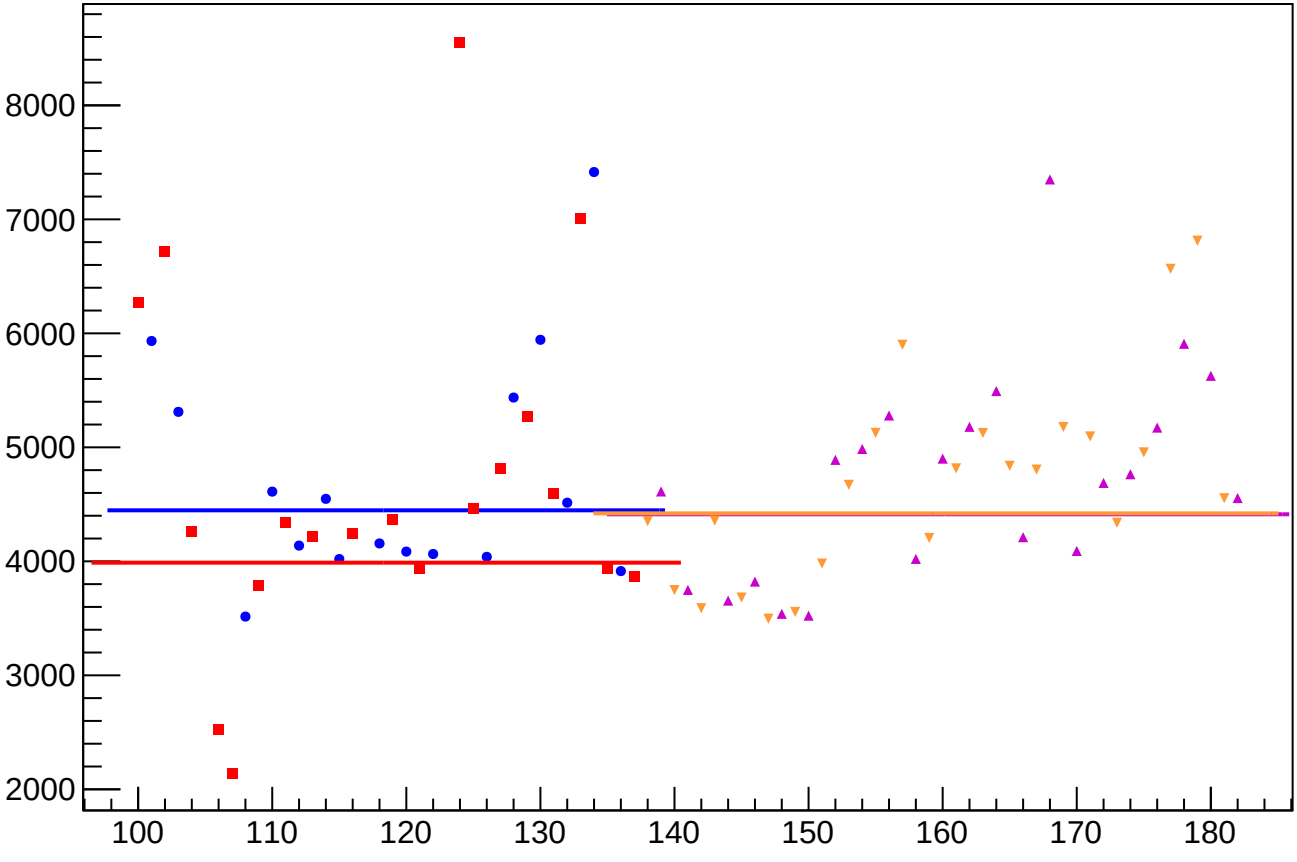
In: 4117.561+/-0.593 χ^2/NDF:2042683.7/37

Out: 2013.190+/-0.390 χ^2/NDF:24392984.7/41

All: 2648.326+/-0.326 χ^2/NDF: 35224387.7/7


asym_atl1r2_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
Right In: -2354.851+/-1684.784 χ²/NDF: 15.5/15
Left Out: 532.104+/-1053.578 χ²/NDF:23.3/22
Right Out: -924.896+/-1546.889 χ²/NDF: 10.6/18
Left In: -405.505+/-1057.939 χ²/NDF:16.8/21
Left: 65.236+/-746.529 χ²/NDF: 40.5/44
Right: -1578.969+/-1139.452 χ²/NDF: 26.5/34
In: -956.774+/-895.946 χ²/NDF:33.3/37
Out: 70.397+/-870.788 χ²/NDF:34.5/41
All: -428.565+/-624.445 χ²/NDF: 68.5/79

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4420.820+/-0.745 χ^2/NDF:1057825.2/22

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4412.661+/-0.748 χ^2/NDF:1110570.4/21

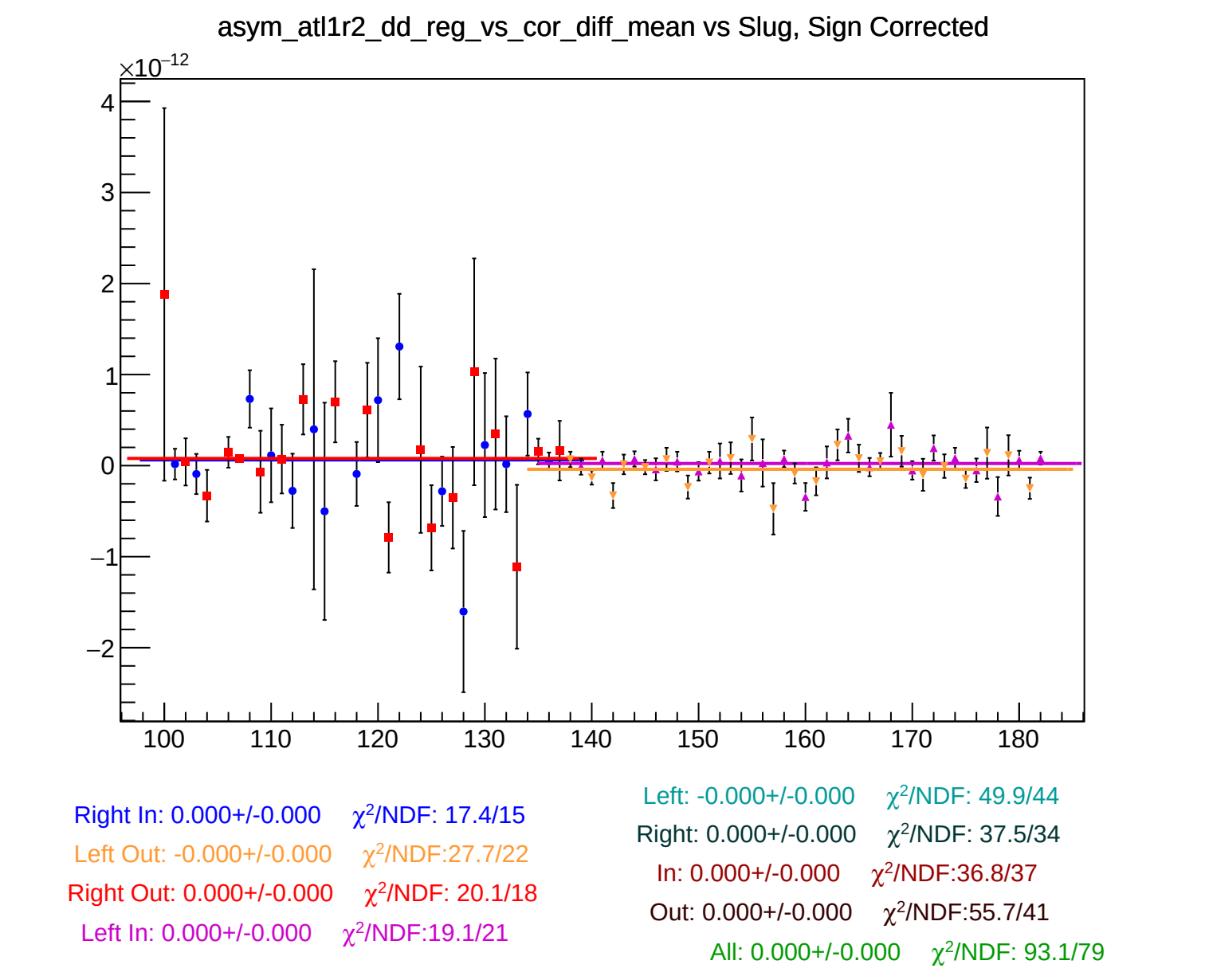
Left: 4416.757+/-0.528 χ^2/NDF: 2168455.3/44

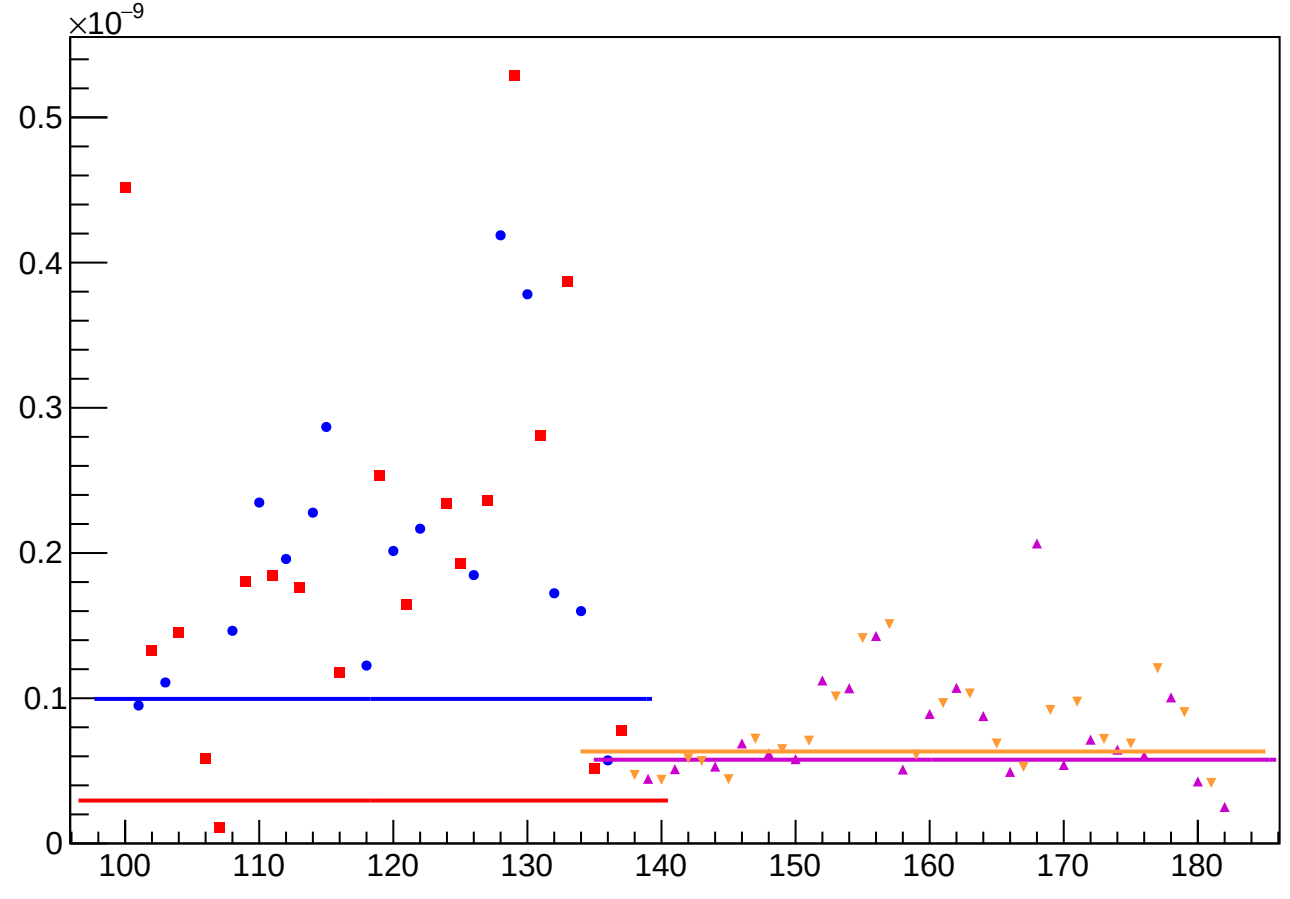
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4422.492+/-0.634 χ^2/NDF:1569432.3/37

Out: 4281.870+/-0.614 χ^2/NDF:2310053.3/41

All: 4349.956+/-0.441 χ^2/NDF: 3904899.9/79


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:27.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:19.1/21
Left: -0.000+/-0.000 χ²/NDF: 49.9/44
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:36.8/37
Out: 0.000+/-0.000 χ²/NDF:55.7/41
All: 0.000+/-0.000 χ²/NDF: 93.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1415739.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1868084.6/21

Left: 0.000+/-0.000 χ^2/NDF: 3334521.2/44

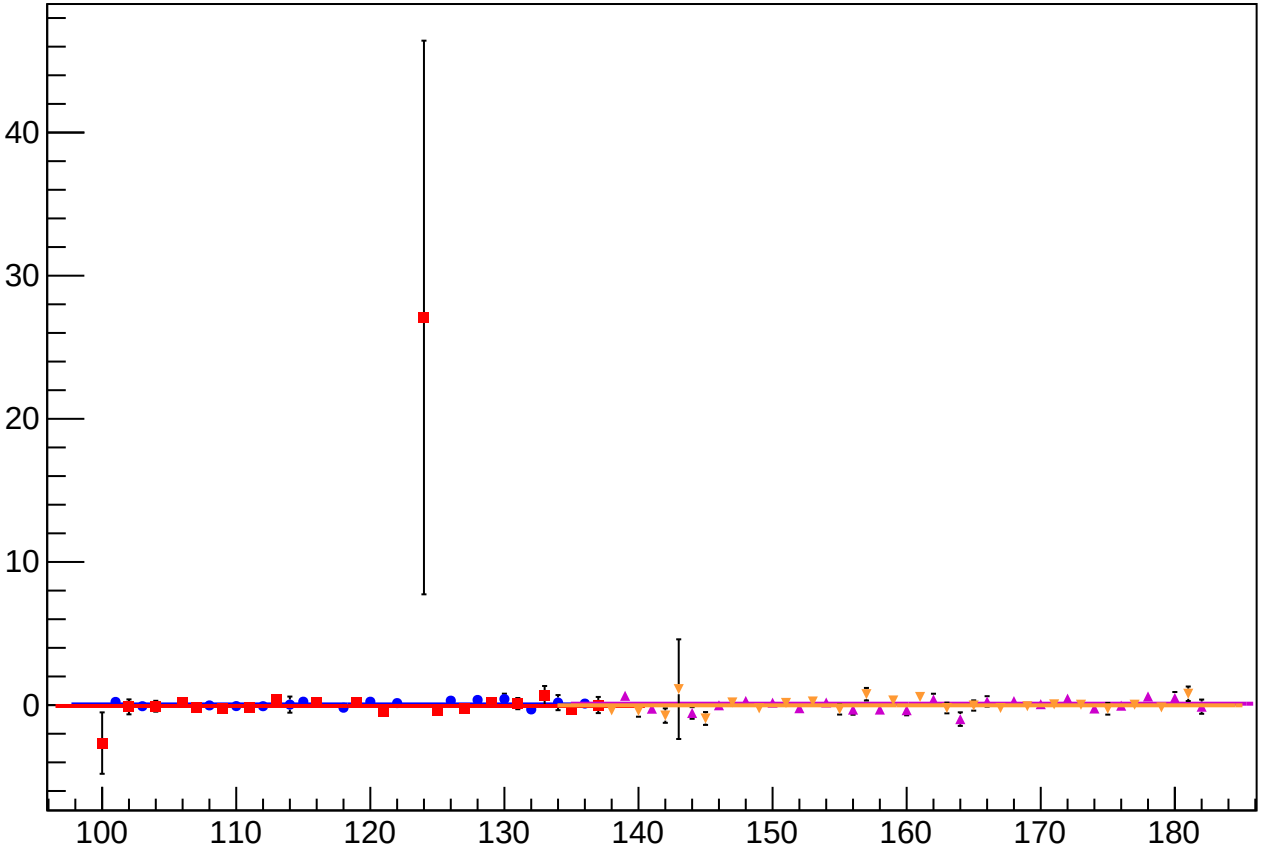
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:4099419.3/37

Out: 0.000+/-0.000 χ^2/NDF:7070238.6/41

All: 0.000+/-0.000 χ^2/NDF: 11462824.9/79

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.015+/-0.063 χ^2/NDF:22.6/22

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.098+/-0.063 χ^2/NDF:31.2/21

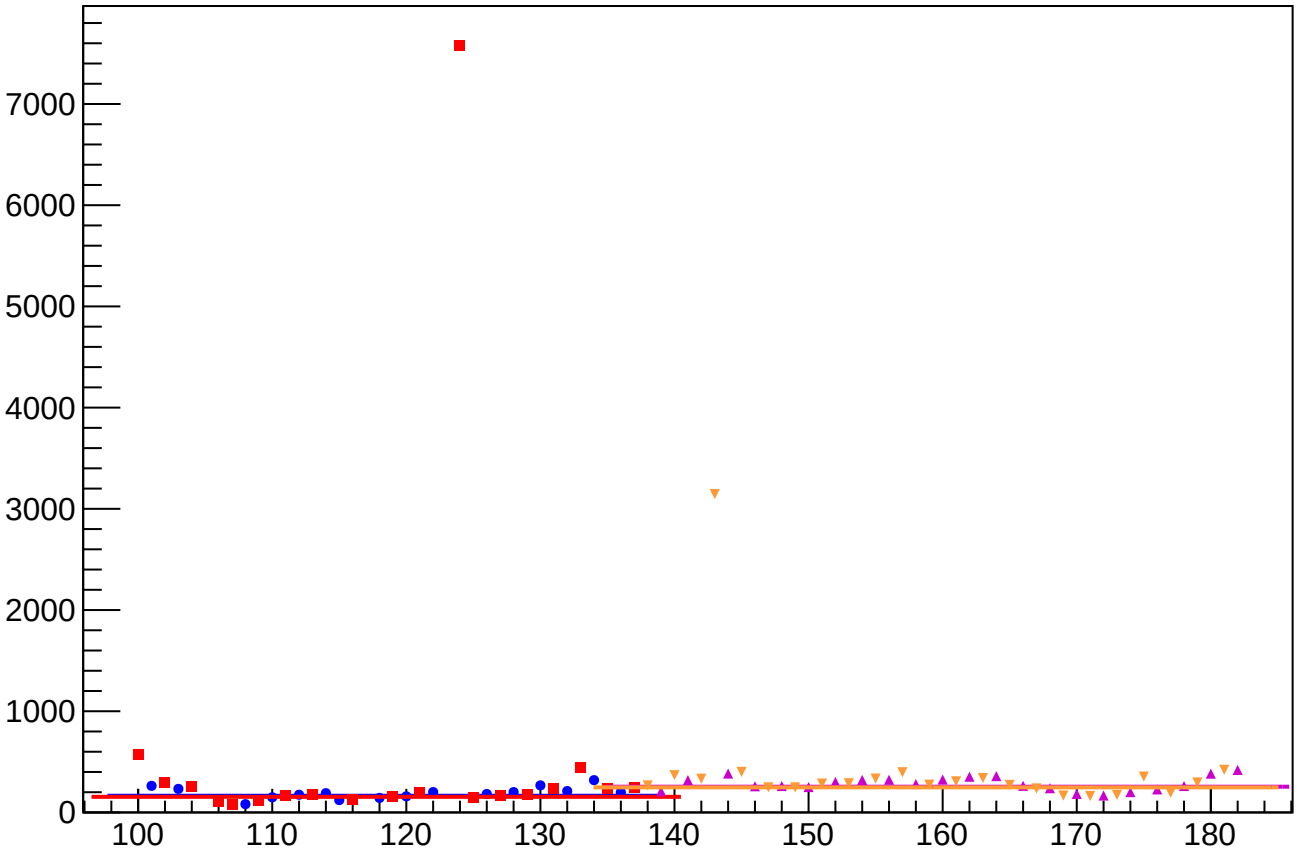
Left: 0.041+/-0.045 χ^2/NDF: 55.5/44

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.074+/-0.046 χ^2/NDF:39.1/37

Out: -0.038+/-0.045 χ^2/NDF:41.3/41

All: 0.017+/-0.032 χ^2/NDF: 83.5/79



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 248.015+/-0.044 χ^2/NDF:4068404.4/22

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 254.405+/-0.045 χ^2/NDF:2068790.9/21

Left: 251.187+/-0.032 χ^2/NDF: 6147457.0/44

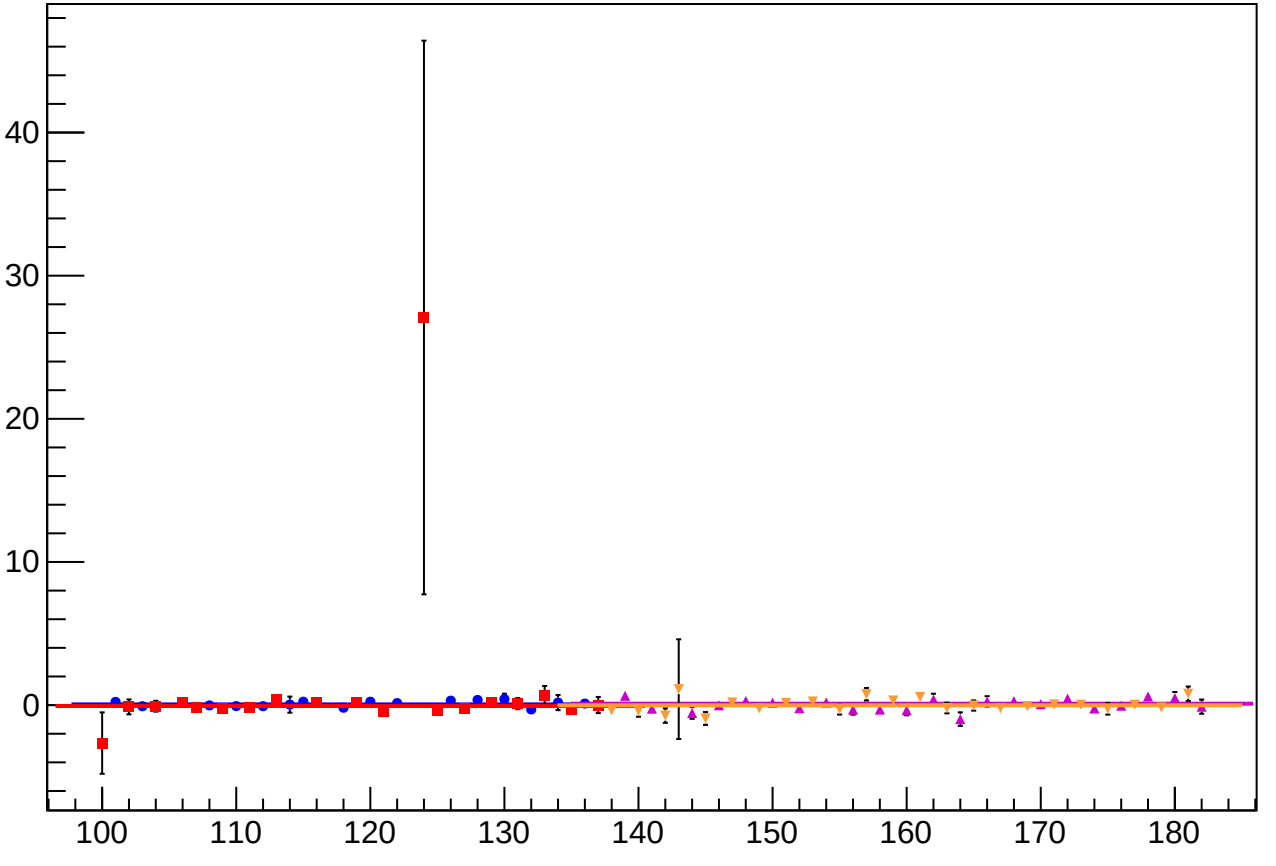
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 211.778+/-0.032 χ^2/NDF:5448802.2/37

Out: 202.344+/-0.032 χ^2/NDF:8154735.9/41

All: 206.974+/-0.023 χ^2/NDF: 13646718.2/79

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: -0.015+/-0.063 χ^2/NDF:22.6/22

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.098+/-0.063 χ^2/NDF:31.2/21

Left: 0.041+/-0.045 χ^2/NDF: 55.5/44

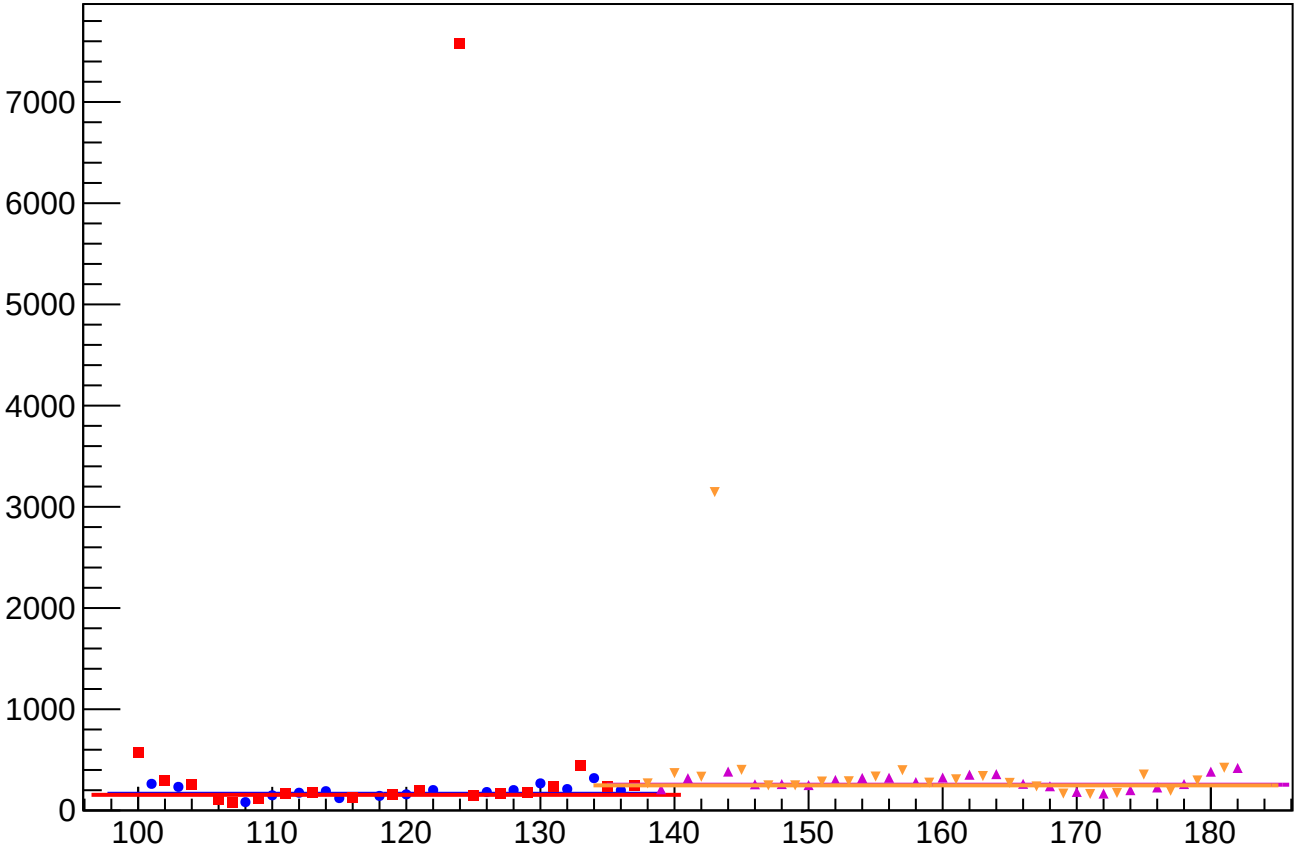
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.074+/-0.046 χ^2/NDF:39.1/37

Out: -0.038+/-0.045 χ^2/NDF:41.3/41

All: 0.017+/-0.032 χ^2/NDF: 83.5/79

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 248.015+/-0.044 χ^2/NDF:4068404.4/22

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 254.405+/-0.045 χ^2/NDF:2068790.9/21

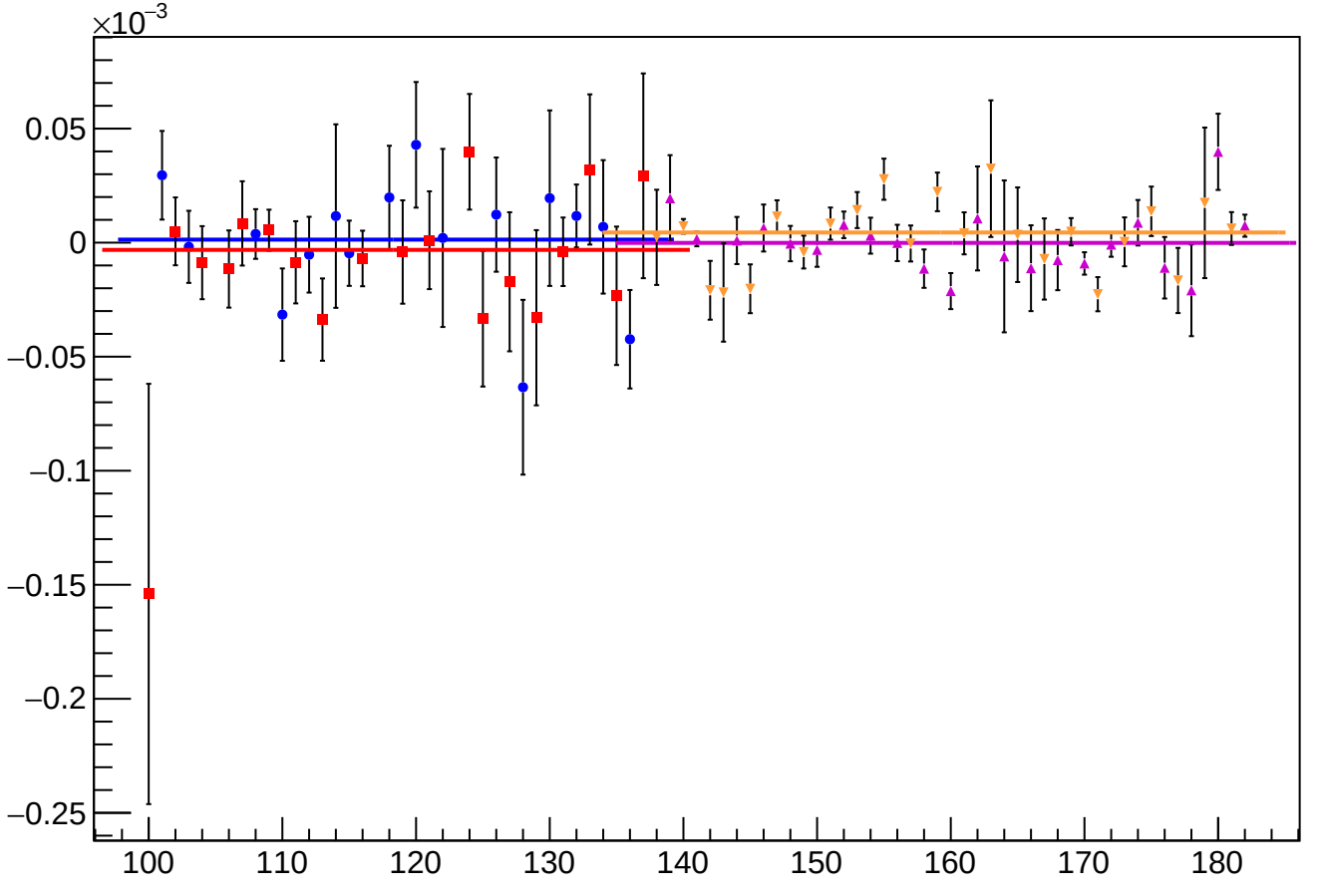
Left: 251.187+/-0.032 χ^2/NDF: 6147457.0/44

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 211.778+/-0.032 χ^2/NDF:5448802.2/37

Out: 202.344+/-0.032 χ^2/NDF:8154735.9/41

All: 206.974+/-0.023 χ^2/NDF: 13646718.2/79



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:27.9/21

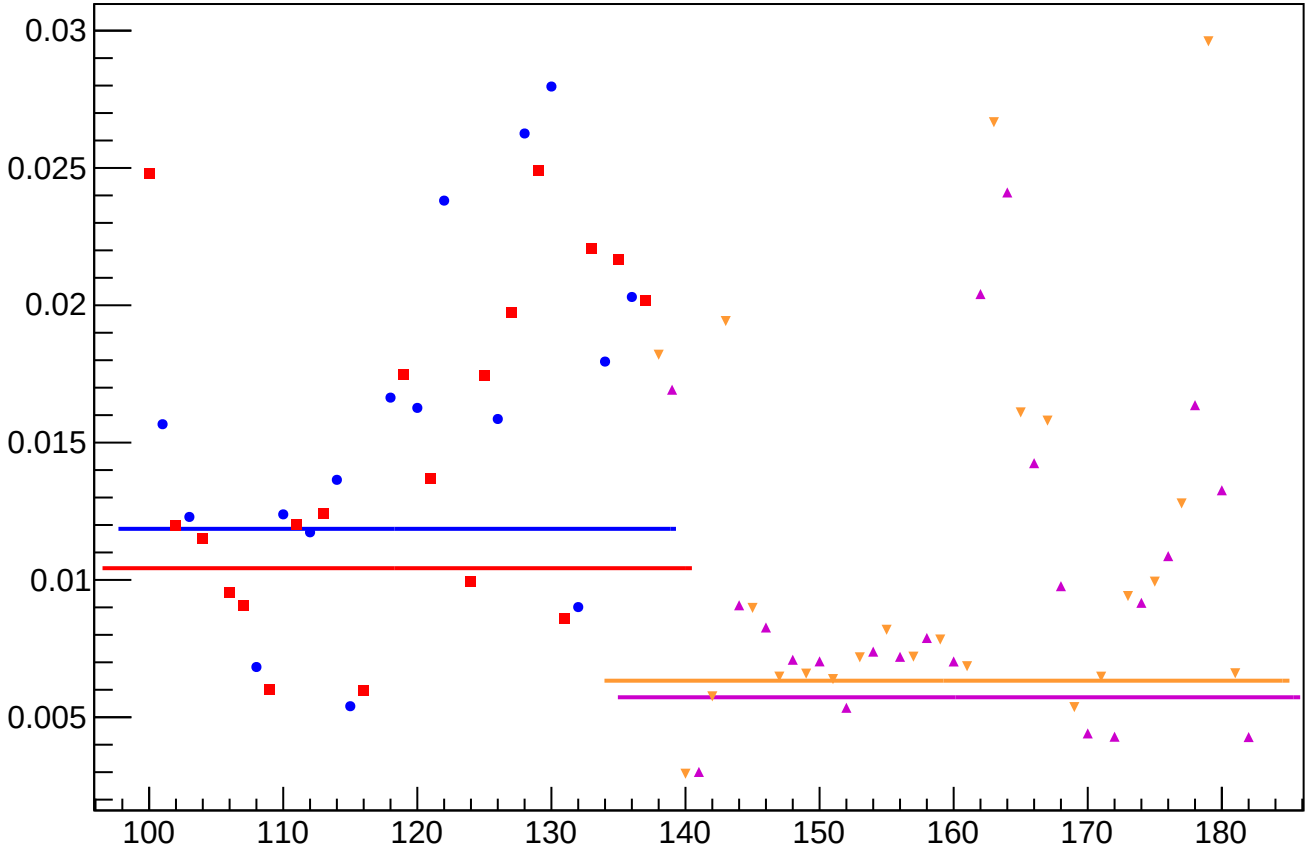
Left: 0.000+/-0.000 χ^2/NDF: 76.4/44

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:44.1/37

Out: 0.000+/-0.000 χ^2/NDF:62.1/41

All: 0.000+/-0.000 χ^2/NDF: 108.5/79



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:7717910.0/22

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:6948835.0/21

Left: 0.006+/-0.000 χ^2/NDF: 14800305.0/44

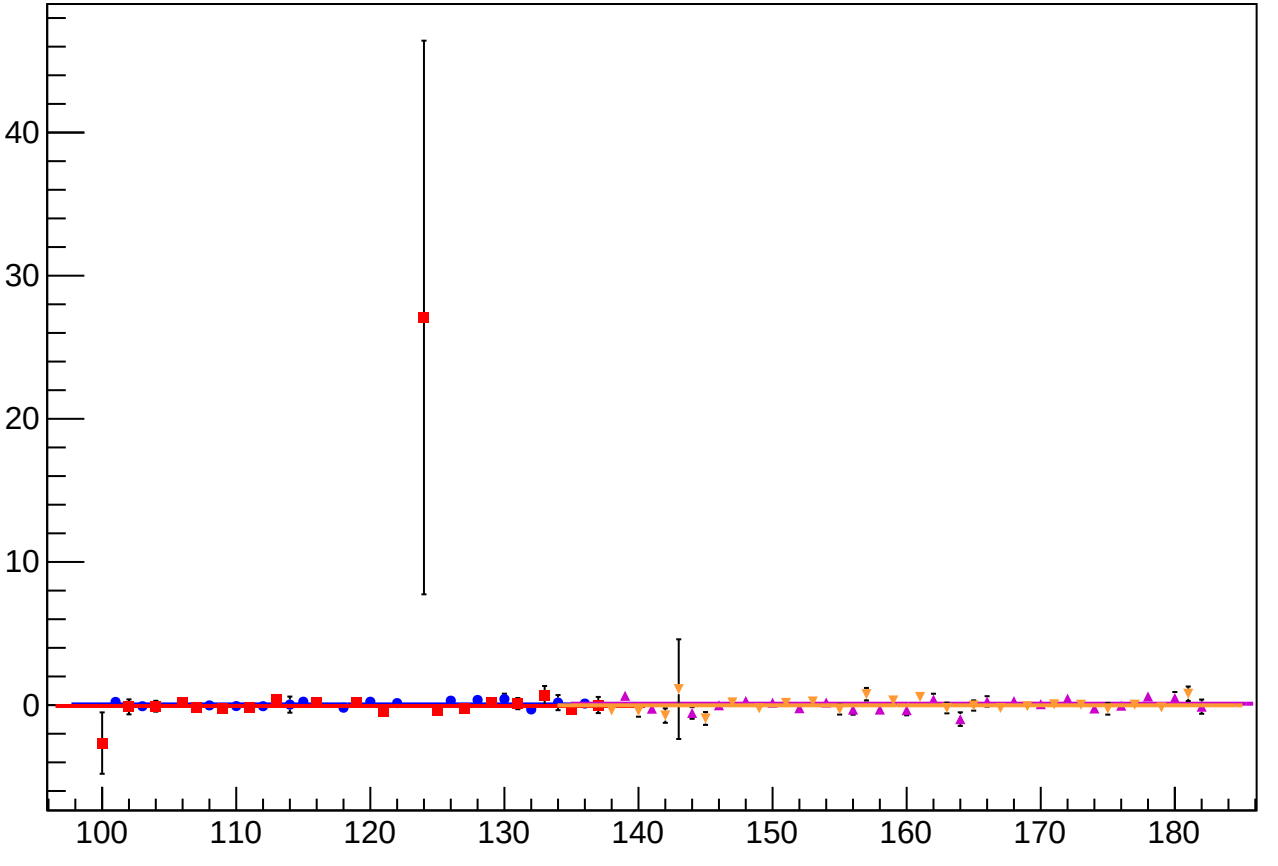
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:12219705.1/37

Out: 0.007+/-0.000 χ^2/NDF:11678670.4/41

All: 0.007+/-0.000 χ^2/NDF: 24044737.4/79

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: -0.015+/-0.063 χ^2/NDF:22.6/22

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.098+/-0.063 χ^2/NDF:31.2/21

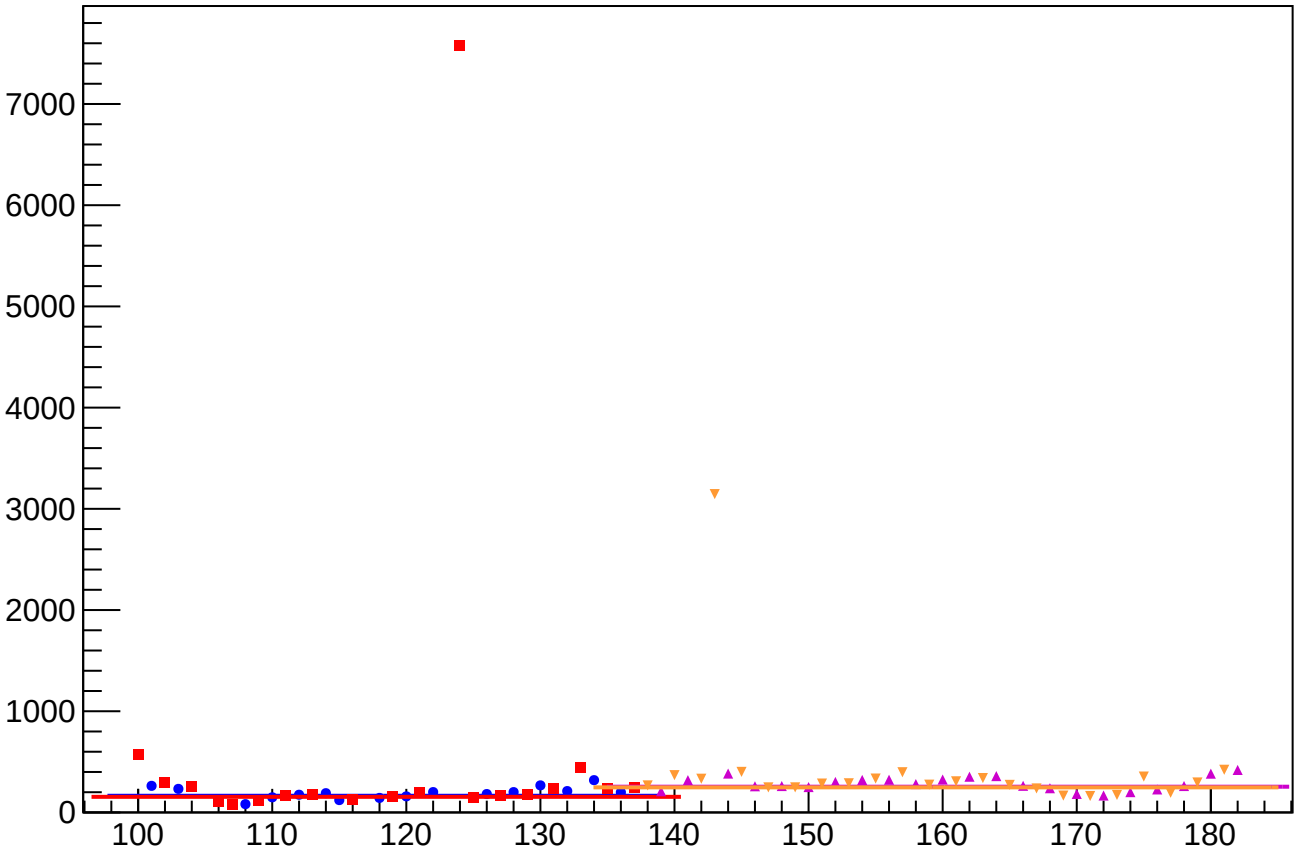
Left: 0.041+/-0.045 χ^2/NDF: 55.5/44

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.074+/-0.046 χ^2/NDF:39.1/37

Out: -0.038+/-0.045 χ^2/NDF:41.3/41

All: 0.017+/-0.032 χ^2/NDF: 83.5/79



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 248.017+/-0.044 χ^2/NDF:4068504.1/22

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 254.407+/-0.045 χ^2/NDF:2068825.7/21

Left: 251.189+/-0.032 χ^2/NDF: 6147594.0/44

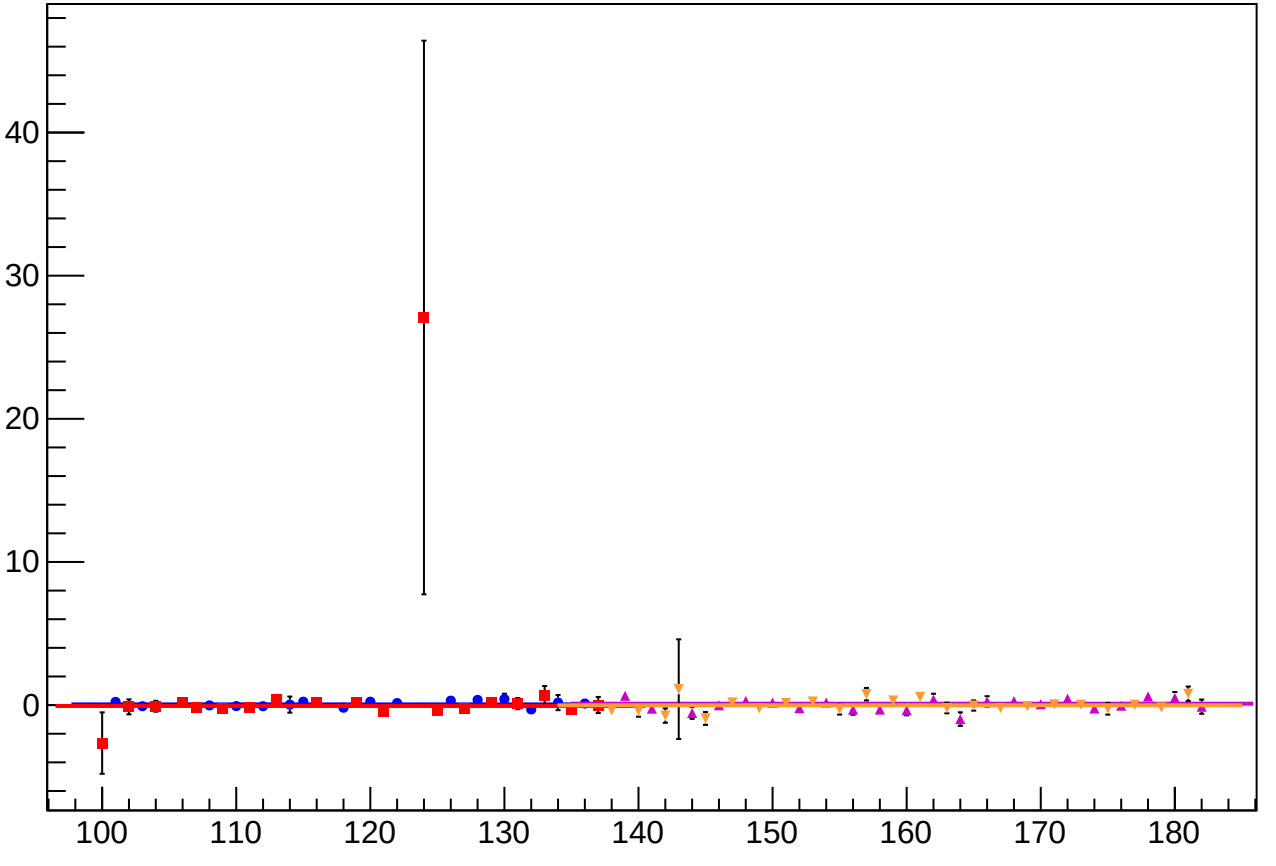
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 211.779+/-0.032 χ^2/NDF:5448908.7/37

Out: 202.344+/-0.032 χ^2/NDF:8154929.2/41

All: 206.975+/-0.023 χ^2/NDF: 13647020.7/79

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: -0.015+/-0.063 χ^2/NDF:22.6/22

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.098+/-0.063 χ^2/NDF:31.2/21

Left: 0.041+/-0.045 χ^2/NDF: 55.5/44

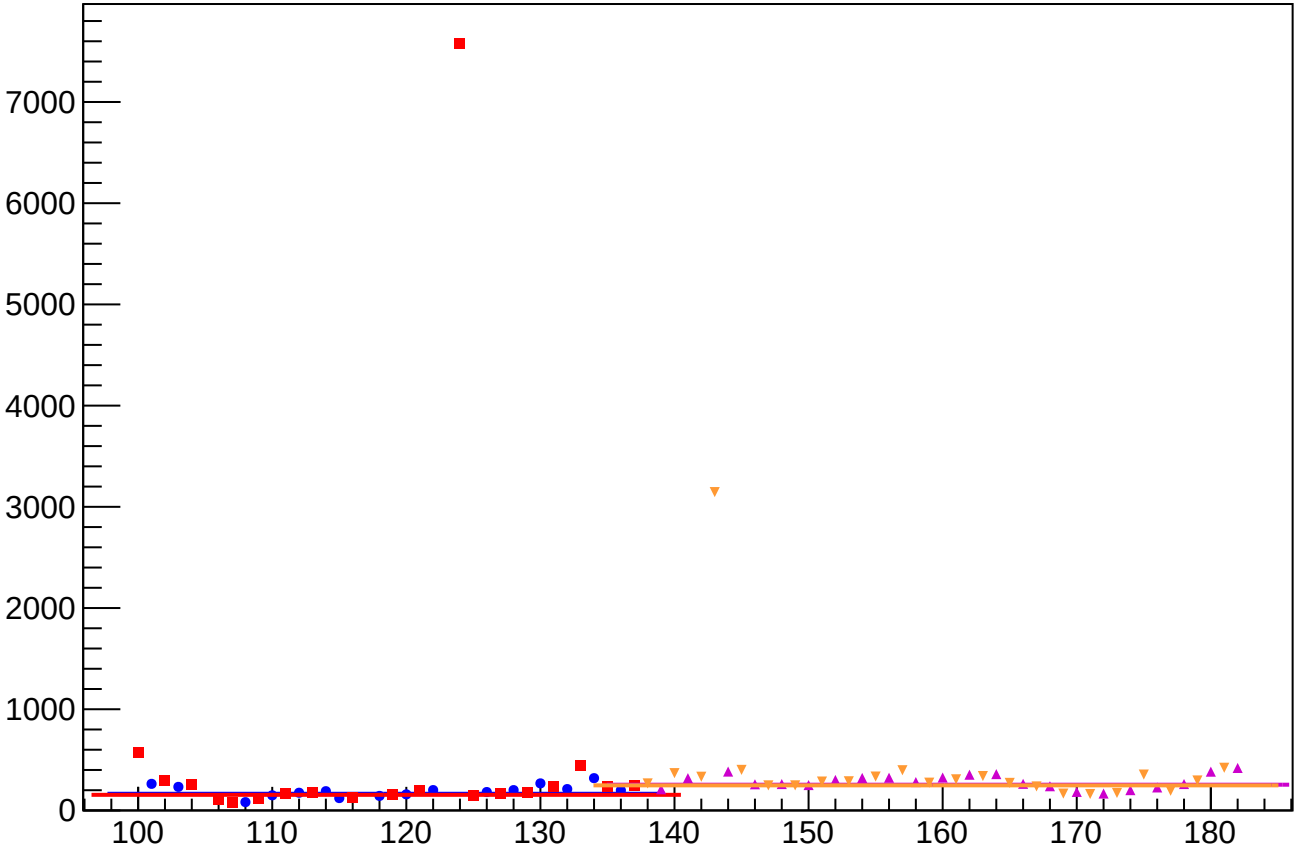
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.074+/-0.046 χ^2/NDF:39.1/37

Out: -0.038+/-0.045 χ^2/NDF:41.3/41

All: 0.017+/-0.032 χ^2/NDF: 83.5/79

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: 248.017+/-0.044 χ^2/NDF:4068504.1/22

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 254.407+/-0.045 χ^2/NDF:2068825.7/21

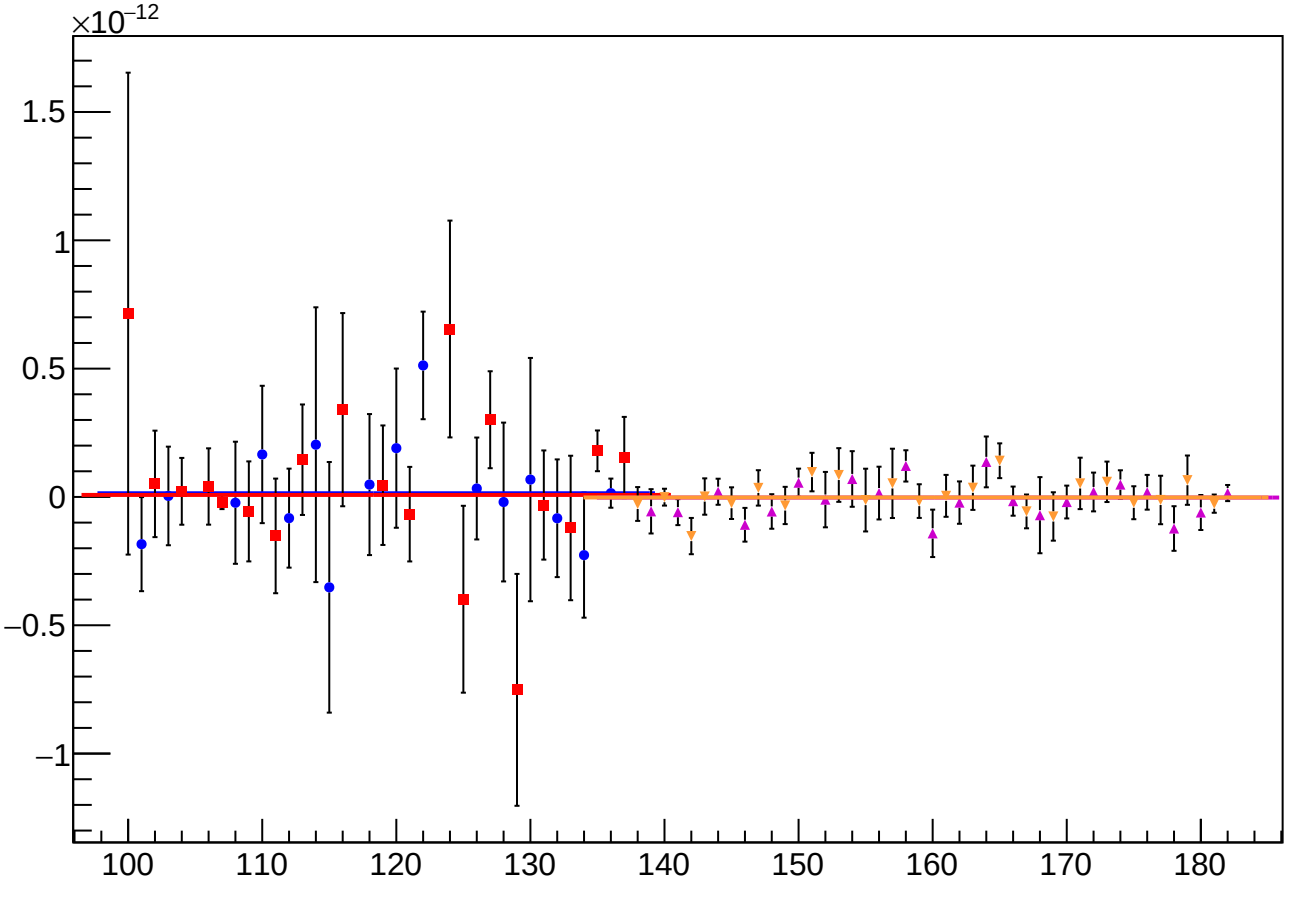
Left: 251.189+/-0.032 χ^2/NDF: 6147594.0/44

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 211.779+/-0.032 χ^2/NDF:5448908.7/37

Out: 202.344+/-0.032 χ^2/NDF:8154929.2/41

All: 206.975+/-0.023 χ^2/NDF: 13647020.7/79



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.4/21

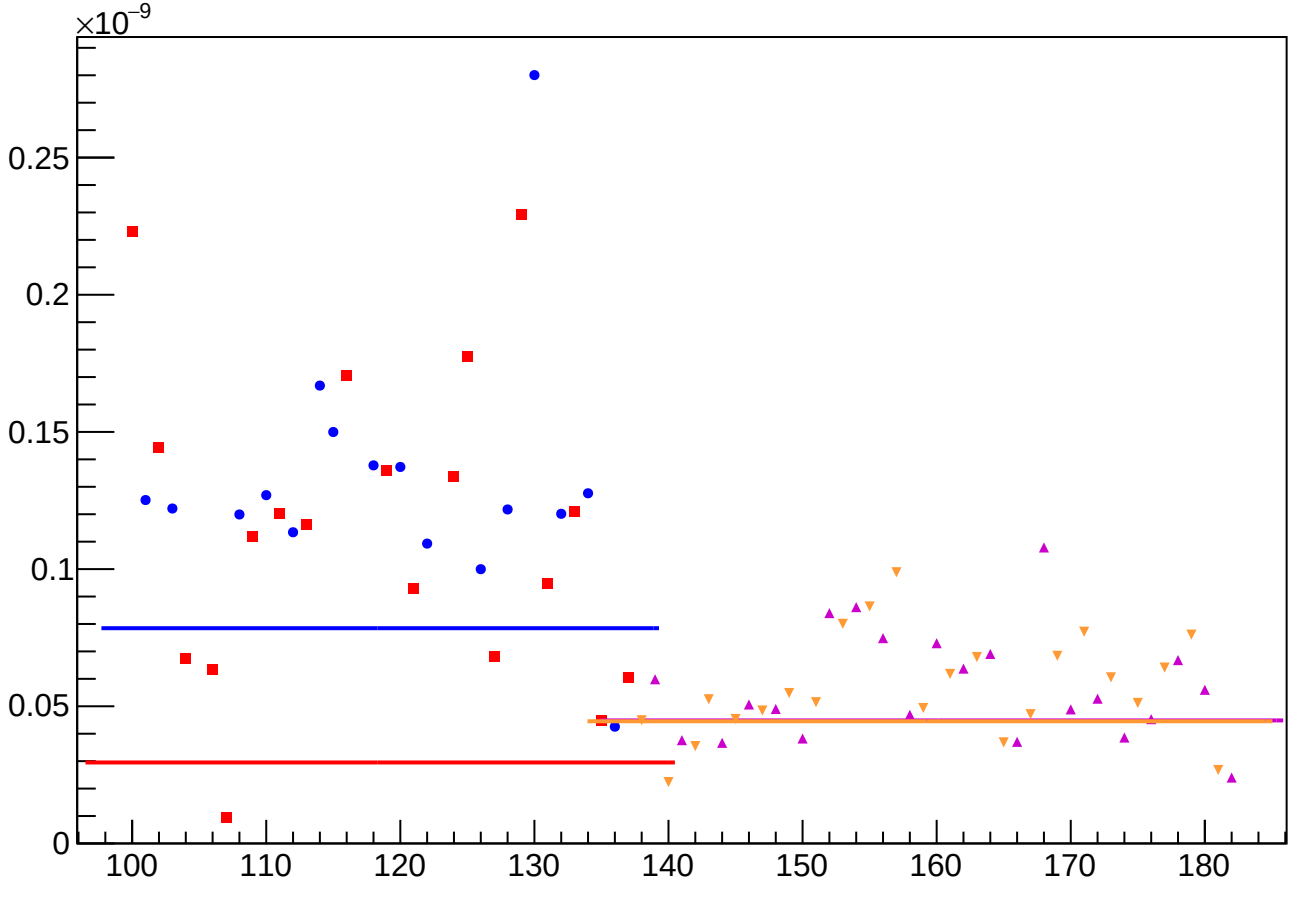
Left: -0.000+/-0.000 χ^2/NDF: 35.3/44

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:29.2/37

Out: 0.000+/-0.000 χ^2/NDF:34.4/41

All: -0.000+/-0.000 χ^2/NDF: 63.6/79



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3346915.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2856549.0/21

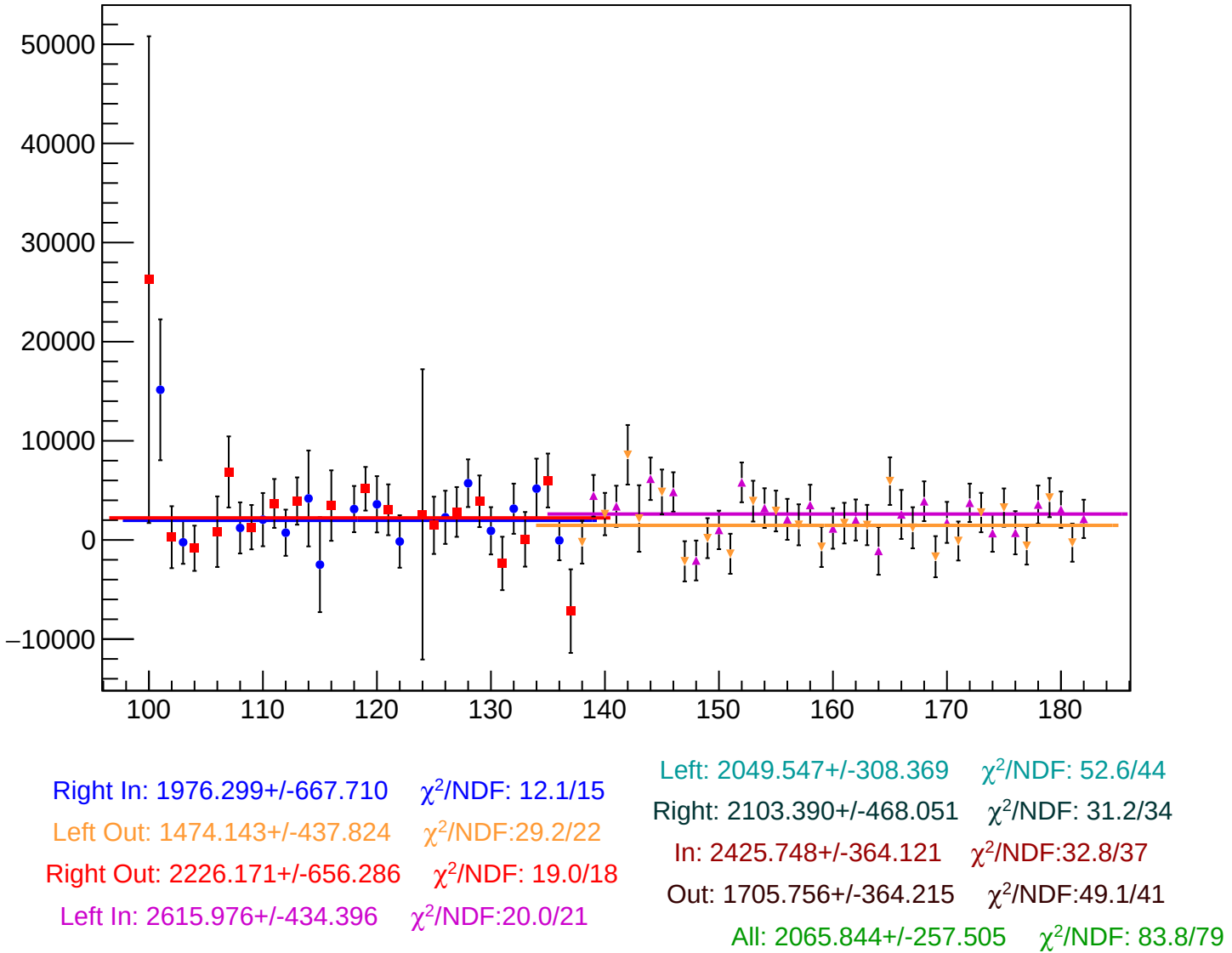
Left: 0.000+/-0.000 χ^2/NDF: 6203968.7/44

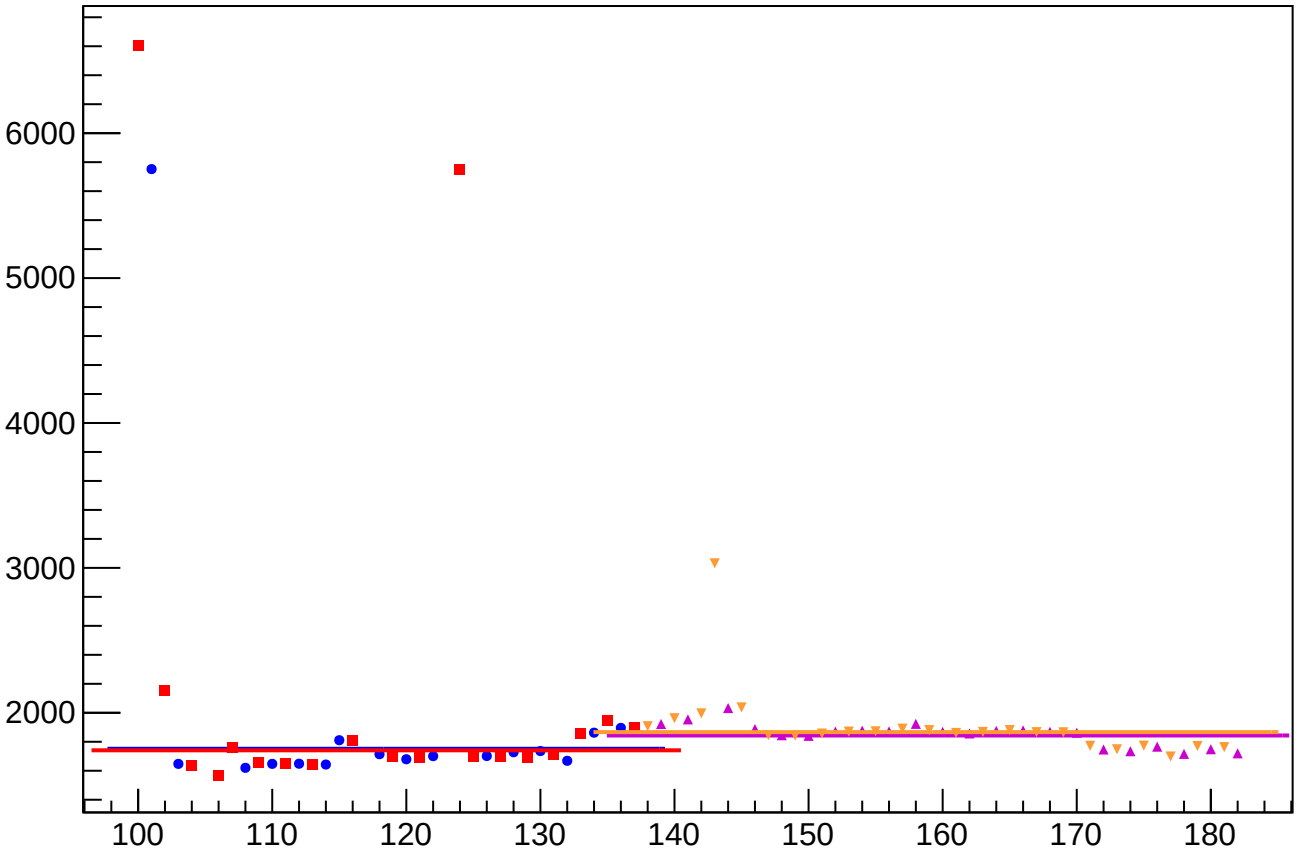
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:6096526.6/37

Out: 0.000+/-0.000 χ^2/NDF:9462216.5/41

All: 0.000+/-0.000 χ^2/NDF: 15922072.2/79


reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: 1976.299+/-667.710 χ²/NDF: 12.1/15
Left Out: 1474.143+/-437.824 χ²/NDF:29.2/22
Right Out: 2226.171+/-656.286 χ²/NDF: 19.0/18
Left In: 2615.976+/-434.396 χ²/NDF:20.0/21
Left: 2049.547+/-308.369 χ²/NDF: 52.6/44
Right: 2103.390+/-468.051 χ²/NDF: 31.2/34
In: 2425.748+/-364.121 χ²/NDF:32.8/37
Out: 1705.756+/-364.215 χ²/NDF:49.1/41
All: 2065.844+/-257.505 χ²/NDF: 83.8/79



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1866.633+/-0.310 χ^2/NDF:304625.3/22

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1843.446+/-0.307 χ^2/NDF:67561.9/21

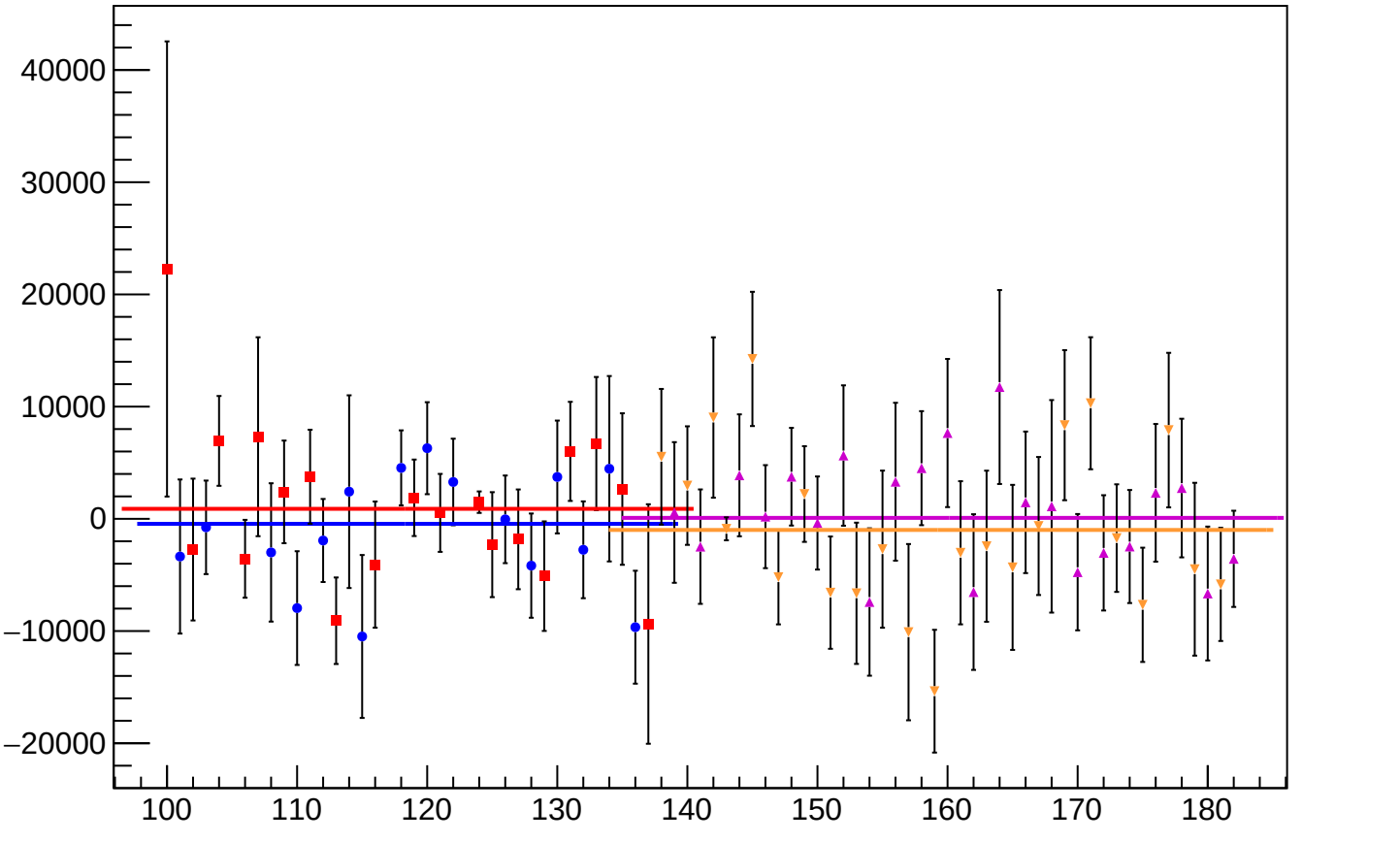
Left: 1854.948+/-0.218 χ^2/NDF: 375014.2/44

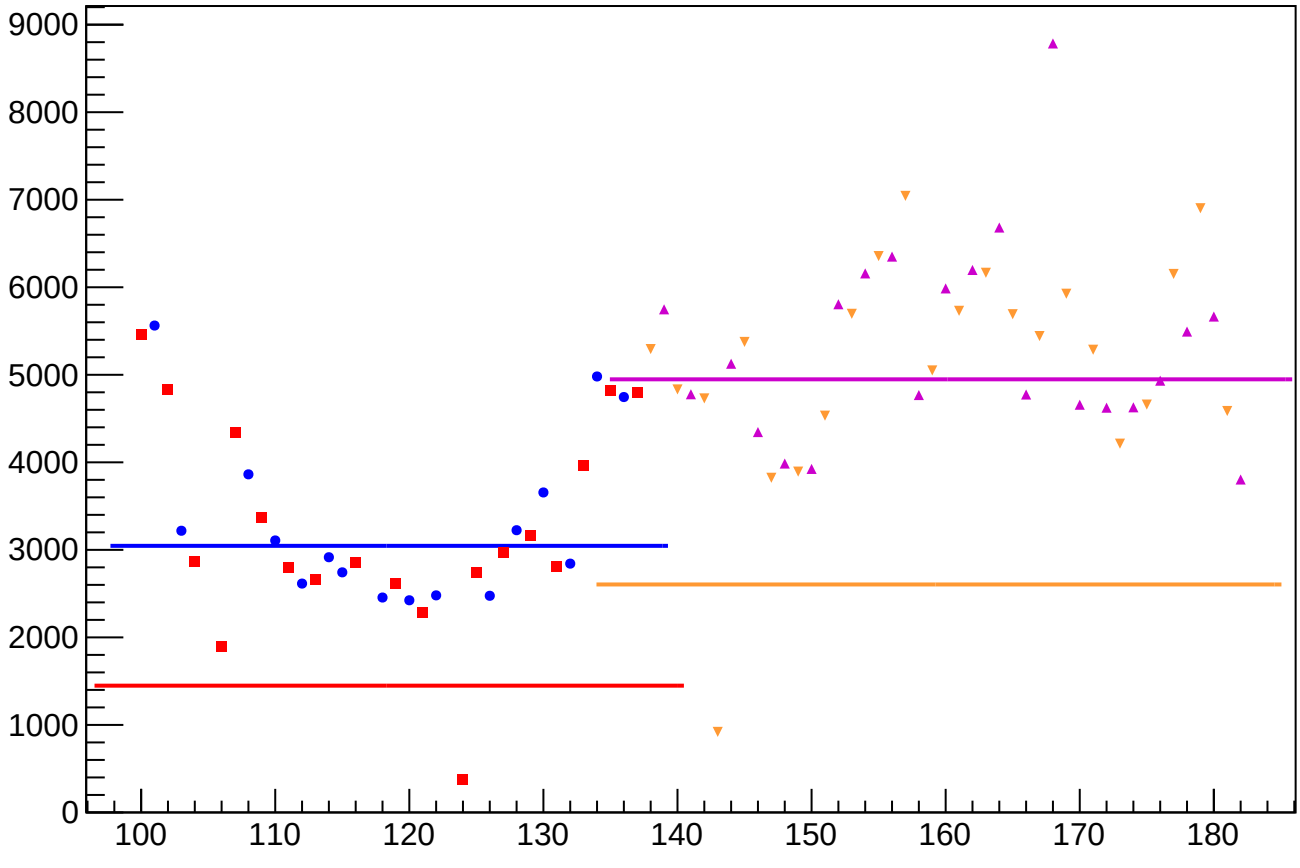
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1816.134+/-0.257 χ^2/NDF:764797.7/37

Out: 1827.560+/-0.257 χ^2/NDF:660476.3/41

All: 1821.859+/-0.182 χ^2/NDF: 1426260.6/79


asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -444.273+/-1174.448 χ²/NDF: 15.9/15
Left Out: -991.409+/-786.579 χ²/NDF:32.6/22
Right Out: 892.237+/-725.737 χ²/NDF: 20.1/18
Left In: 85.444+/-1189.256 χ²/NDF:12.4/21
Left: -663.694+/-656.062 χ²/NDF: 45.7/44
Right: 522.917+/-617.375 χ²/NDF: 36.9/34
In: -182.733+/-835.646 χ²/NDF:28.5/37
Out: 26.073+/-533.387 χ²/NDF:55.8/41
All: -34.372+/-449.605 χ²/NDF: 84.3/79



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2604.629+/-0.556 χ^2/NDF:14269445.1/22

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4948.203+/-0.841 χ^2/NDF:1212465.7/21

Left: 3317.840+/-0.464 χ^2/NDF: 20884999.5/44

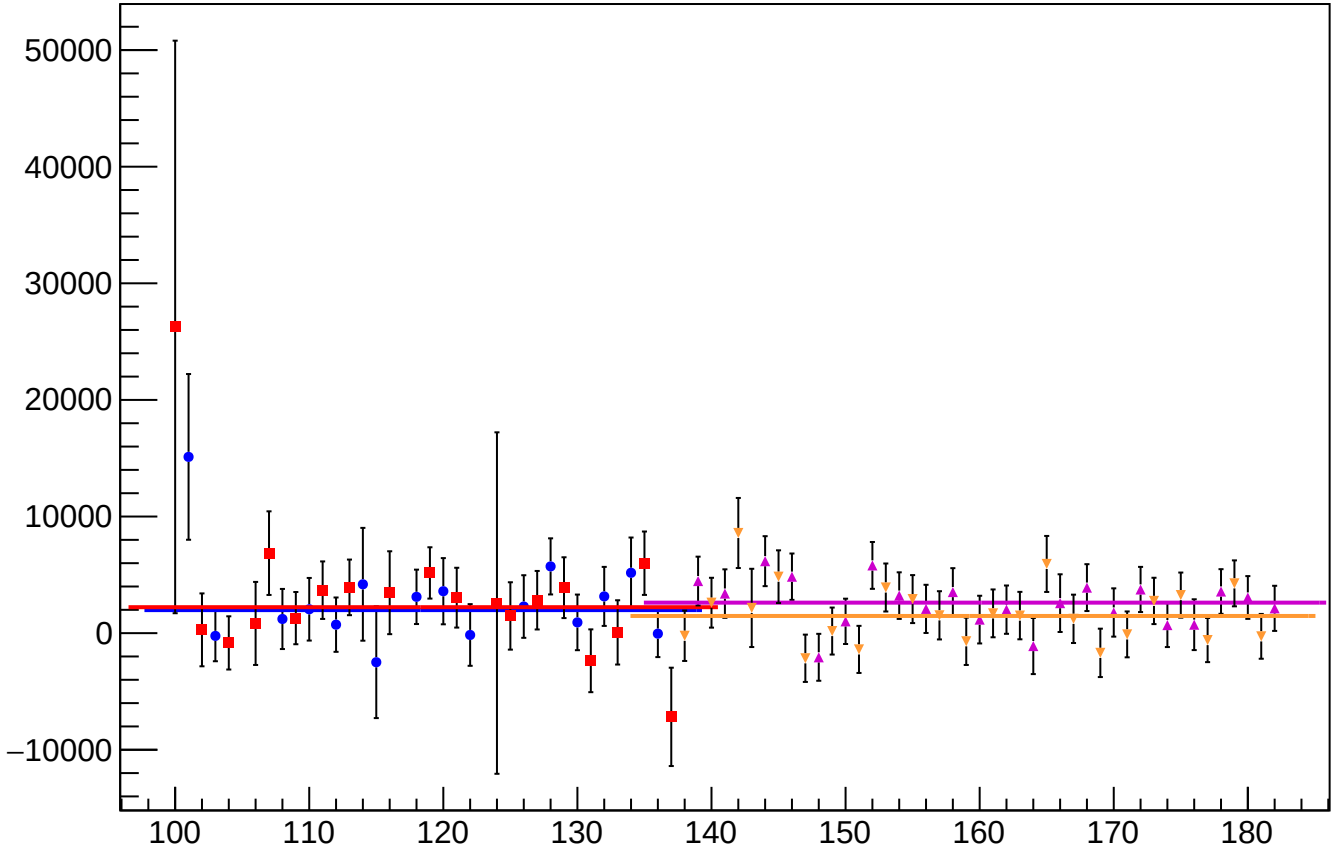
Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3985.143+/-0.591 χ^2/NDF:4710497.2/37

Out: 1980.138+/-0.377 χ^2/NDF:23390211.3/41

All: 2560.545+/-0.318 χ^2/NDF: 36281452.5/7

cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1474.123+/-437.824 χ^2/NDF:29.2/22

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2616.018+/-434.396 χ^2/NDF:20.0/21

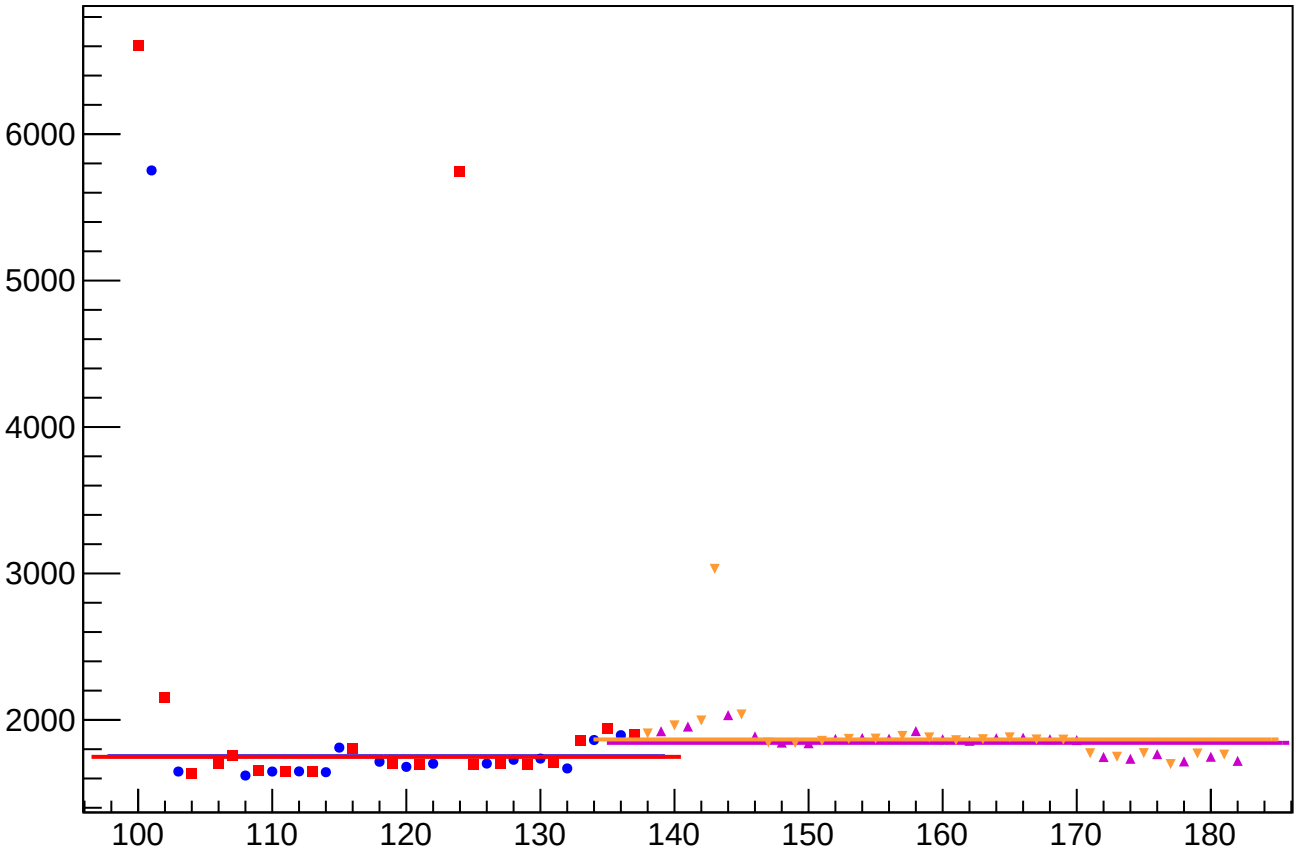
Left: 2049.558+/-308.369 χ^2/NDF: 52.6/44

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2425.672+/-364.121 χ^2/NDF:32.7/37

Out: 1705.771+/-364.215 χ^2/NDF:49.1/41

All: 2065.814+/-257.505 χ^2/NDF: 83.8/79



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1866.633+/-0.310 χ^2/NDF:304625.3/22

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1843.446+/-0.307 χ^2/NDF:67561.9/21

Left: 1854.948+/-0.218 χ^2/NDF: 375014.2/44

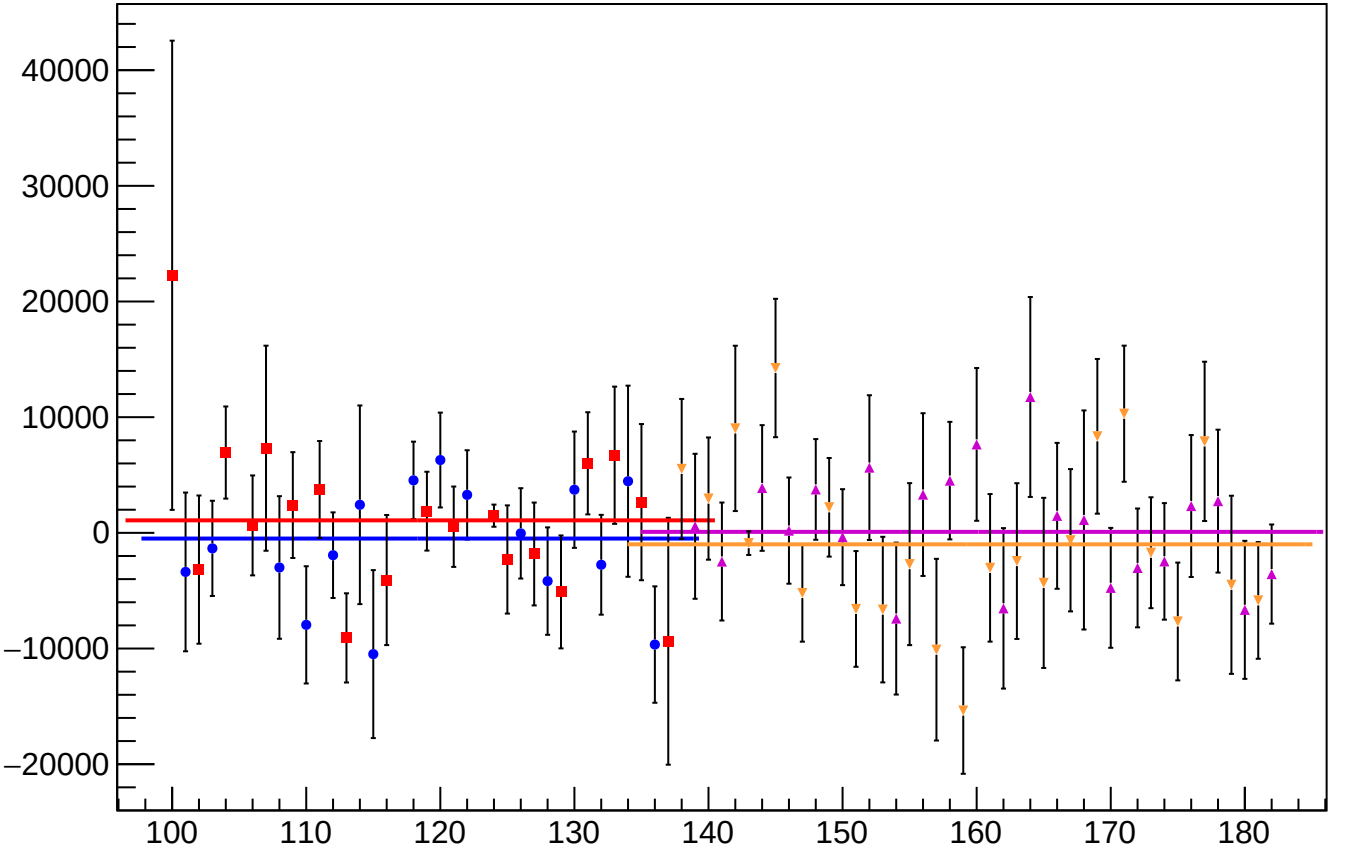
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1816.134+/-0.257 χ^2/NDF:764798.1/37

Out: 1829.840+/-0.257 χ^2/NDF:648166.4/41

All: 1822.993+/-0.182 χ^2/NDF: 1414382.6/79

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -991.259+/-786.560 χ^2/NDF:32.6/22

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 85.518+/-1189.255 χ^2/NDF:12.4/21

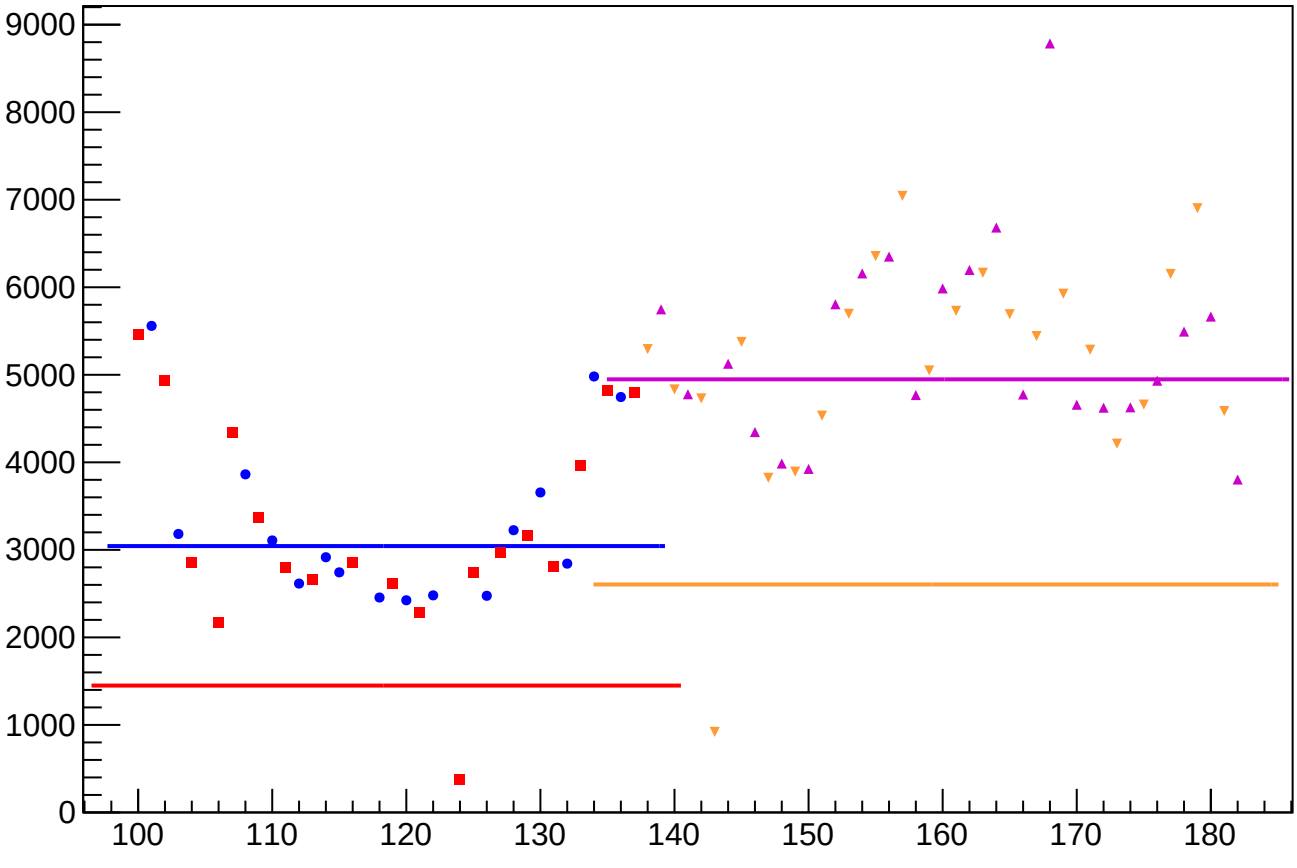
Left: -663.578+/-656.051 χ^2/NDF: 45.7/44

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -207.620+/-835.210 χ^2/NDF:28.5/37

Out: 119.951+/-535.640 χ^2/NDF:54.8/41

All: 24.486+/-450.883 χ^2/NDF: 83.5/79



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2604.525+/-0.556 χ^2/NDF:14270138.2/22

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4948.198+/-0.841 χ^2/NDF:1212477.5/21

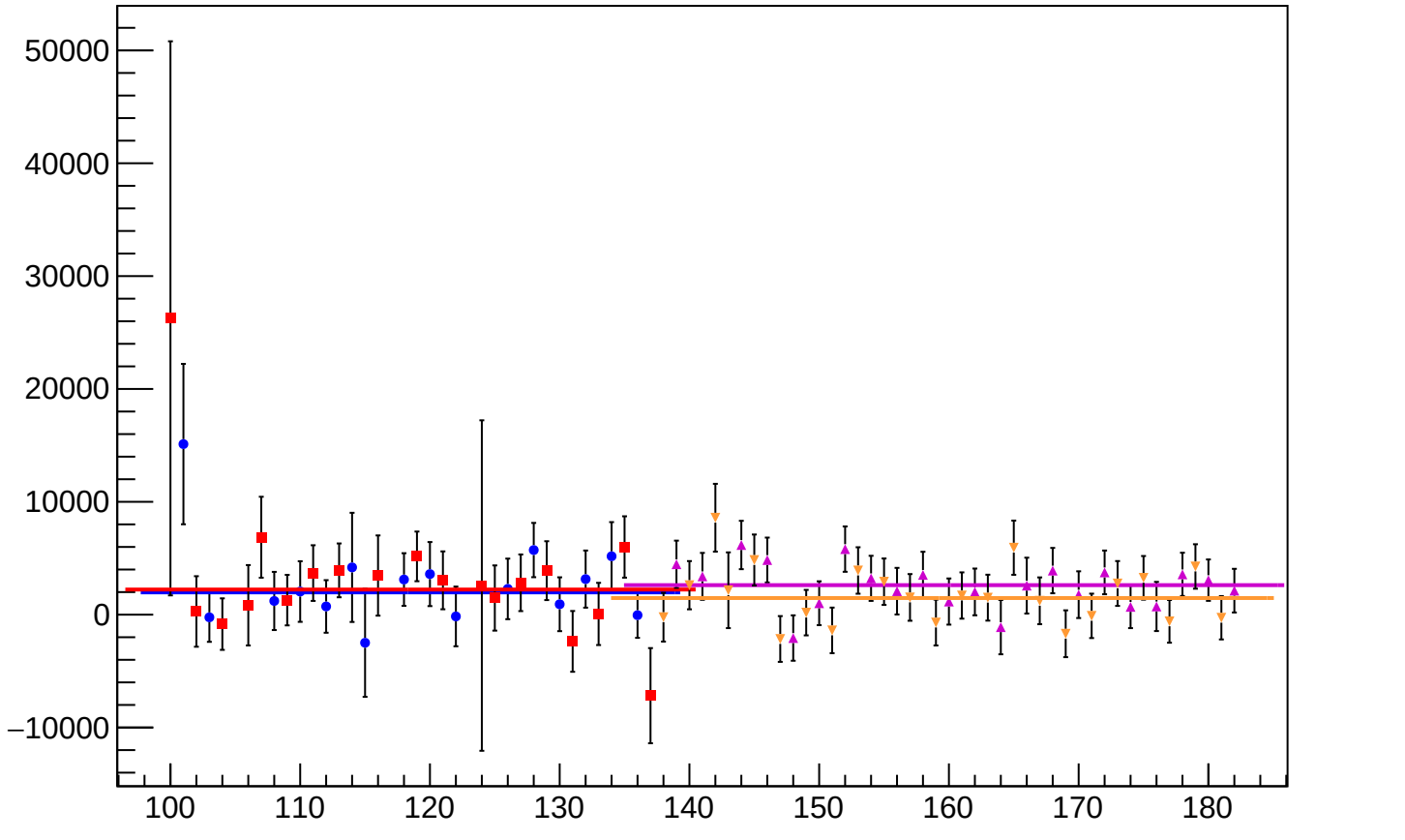
Left: 3317.743+/-0.464 χ^2/NDF: 20886248.7/44

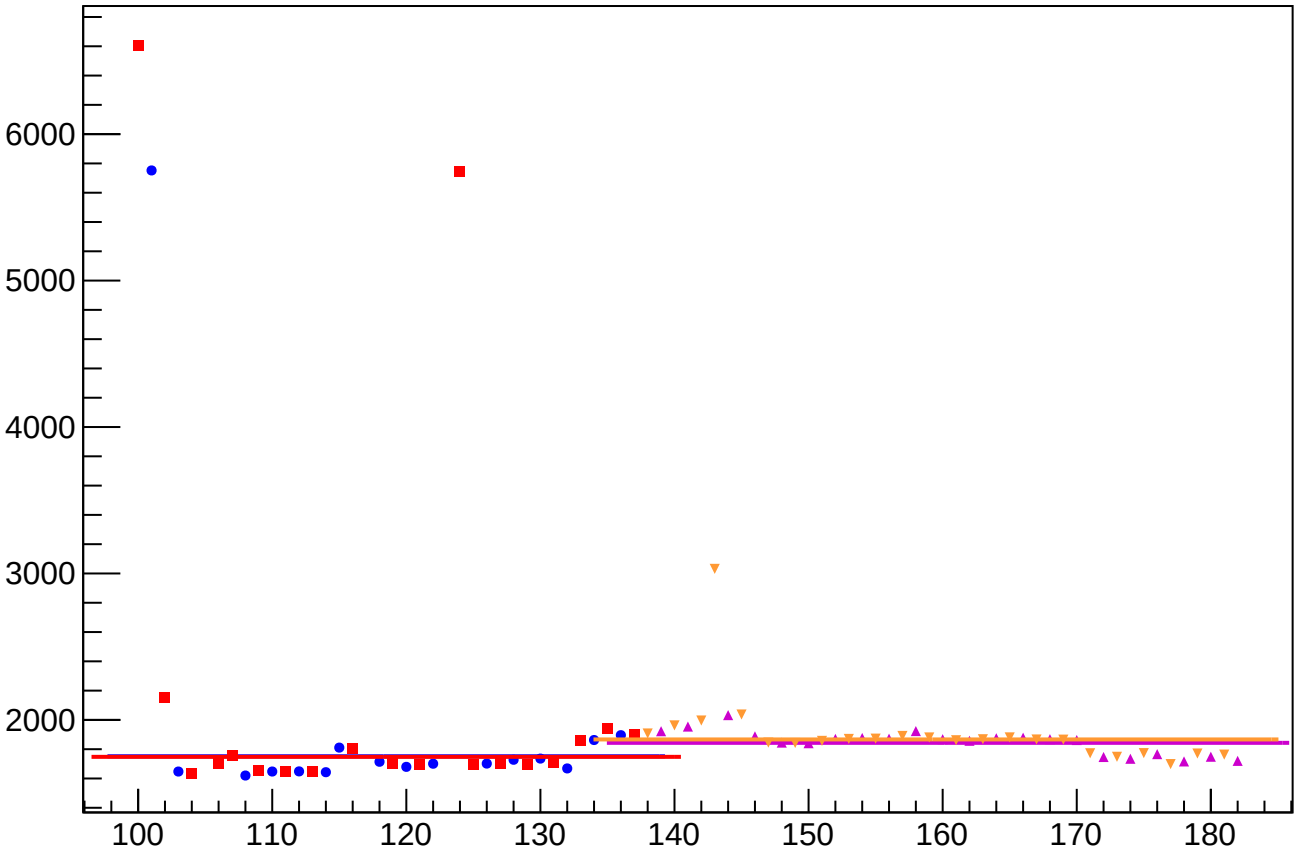
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3982.821+/-0.591 χ^2/NDF:4718631.0/37

Out: 1985.151+/-0.379 χ^2/NDF:23408481.1/41

All: 2567.335+/-0.319 χ^2/NDF: 36234251.2/7


eigen_cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: 1975.946+/-667.710 χ²/NDF: 12.1/15
Left Out: 1474.123+/-437.824 χ²/NDF:29.2/22
Right Out: 2226.267+/-656.286 χ²/NDF: 19.0/18
Left In: 2616.018+/-434.396 χ²/NDF:20.0/21
Left: 2049.558+/-308.369 χ²/NDF: 52.6/44
Right: 2103.266+/-468.051 χ²/NDF: 31.1/34
In: 2425.672+/-364.121 χ²/NDF:32.7/37
Out: 1705.771+/-364.215 χ²/NDF:49.1/41
All: 2065.814+/-257.505 χ²/NDF: 83.8/79



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1866.633+/-0.310 χ^2/NDF:304625.3/22

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1843.446+/-0.307 χ^2/NDF:67561.9/21

Left: 1854.948+/-0.218 χ^2/NDF: 375014.2/44

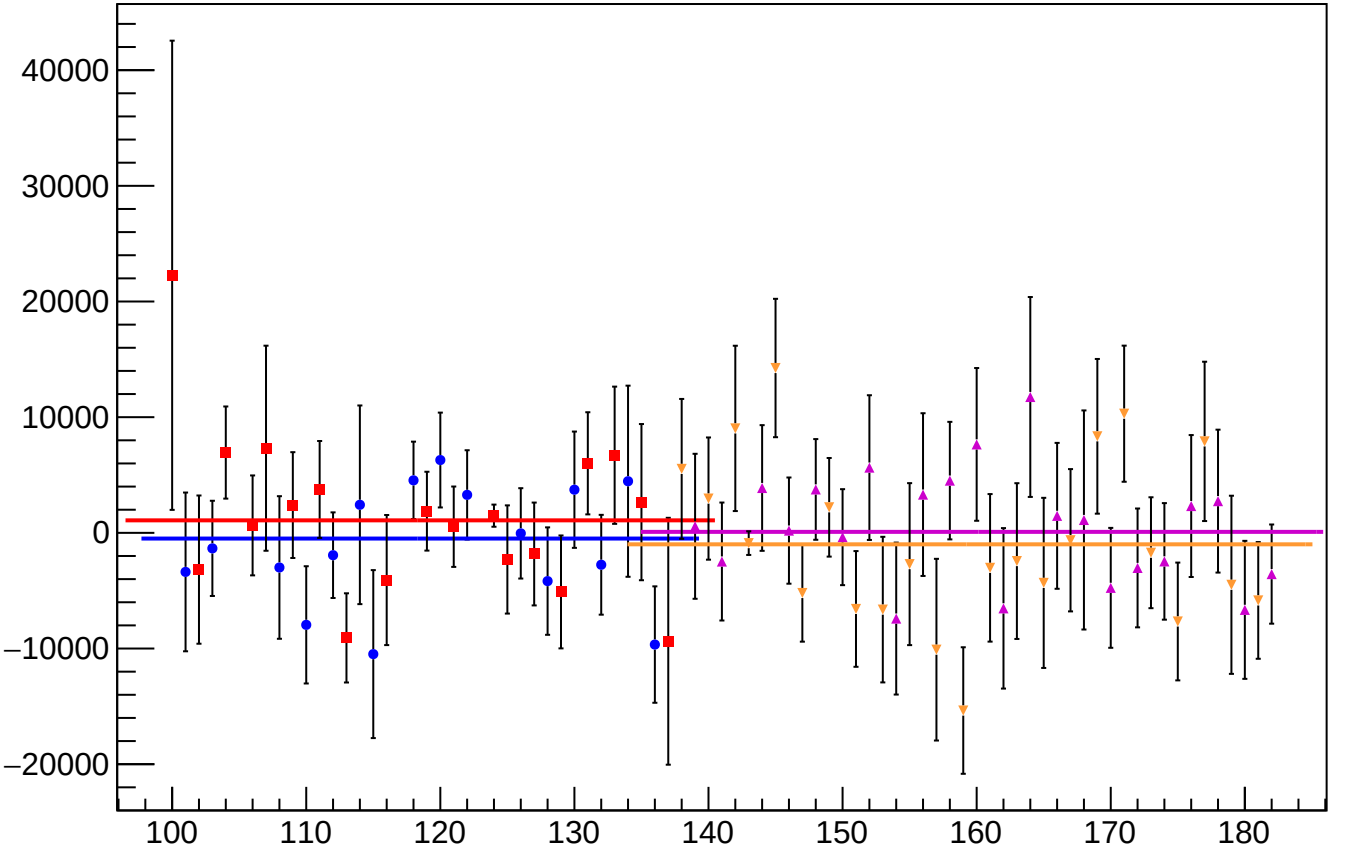
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1816.134+/-0.257 χ^2/NDF:764798.1/37

Out: 1829.840+/-0.257 χ^2/NDF:648166.4/41

All: 1822.993+/-0.182 χ^2/NDF: 1414382.6/79

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -991.259+/-786.560 χ^2/NDF:32.6/22

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 85.518+/-1189.255 χ^2/NDF:12.4/21

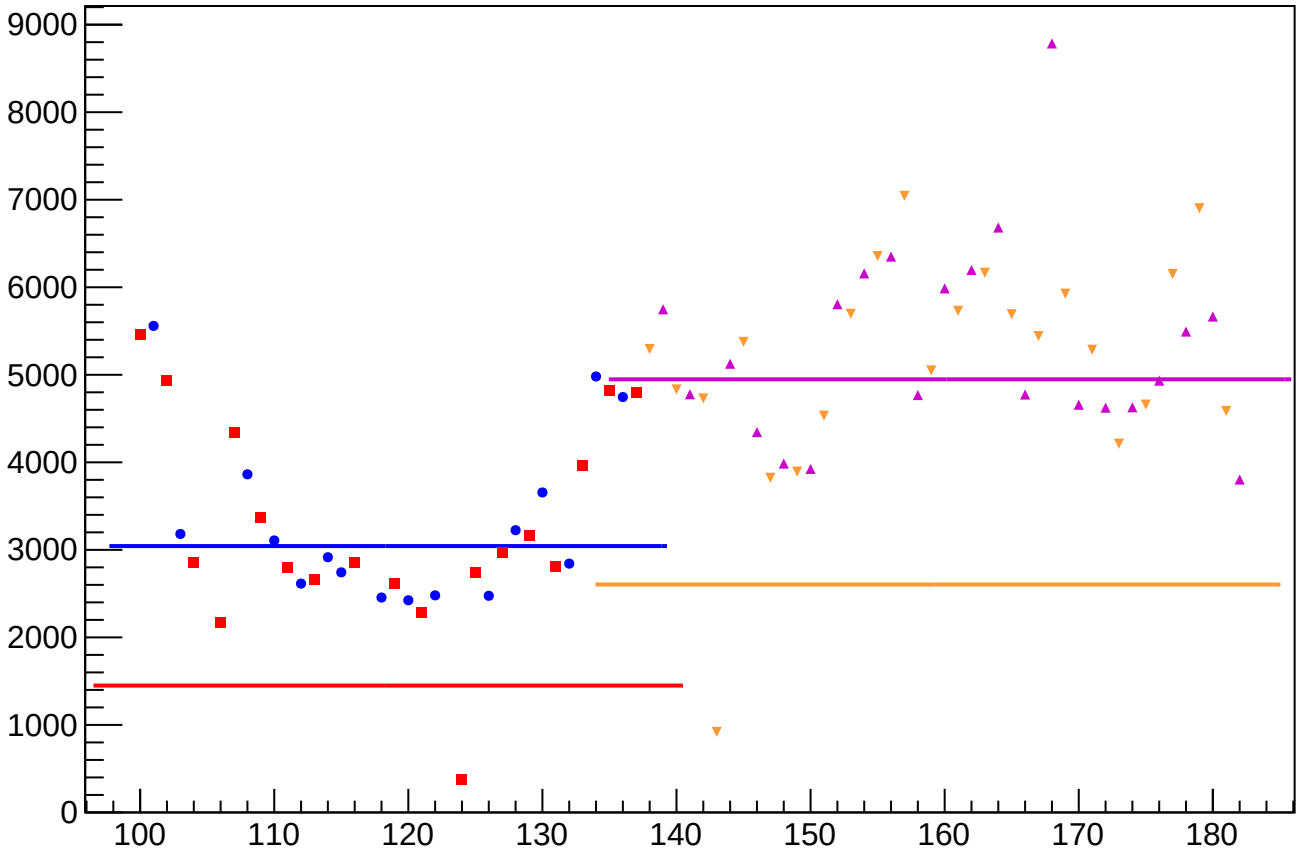
Left: -663.578+/-656.051 χ^2/NDF: 45.7/44

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -207.620+/-835.210 χ^2/NDF:28.5/37

Out: 119.951+/-535.640 χ^2/NDF:54.8/41

All: 24.486+/-450.883 χ^2/NDF: 83.5/79



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2604.525+/-0.556 χ^2/NDF:14270138.2/22

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4948.198+/-0.841 χ^2/NDF:1212477.5/21

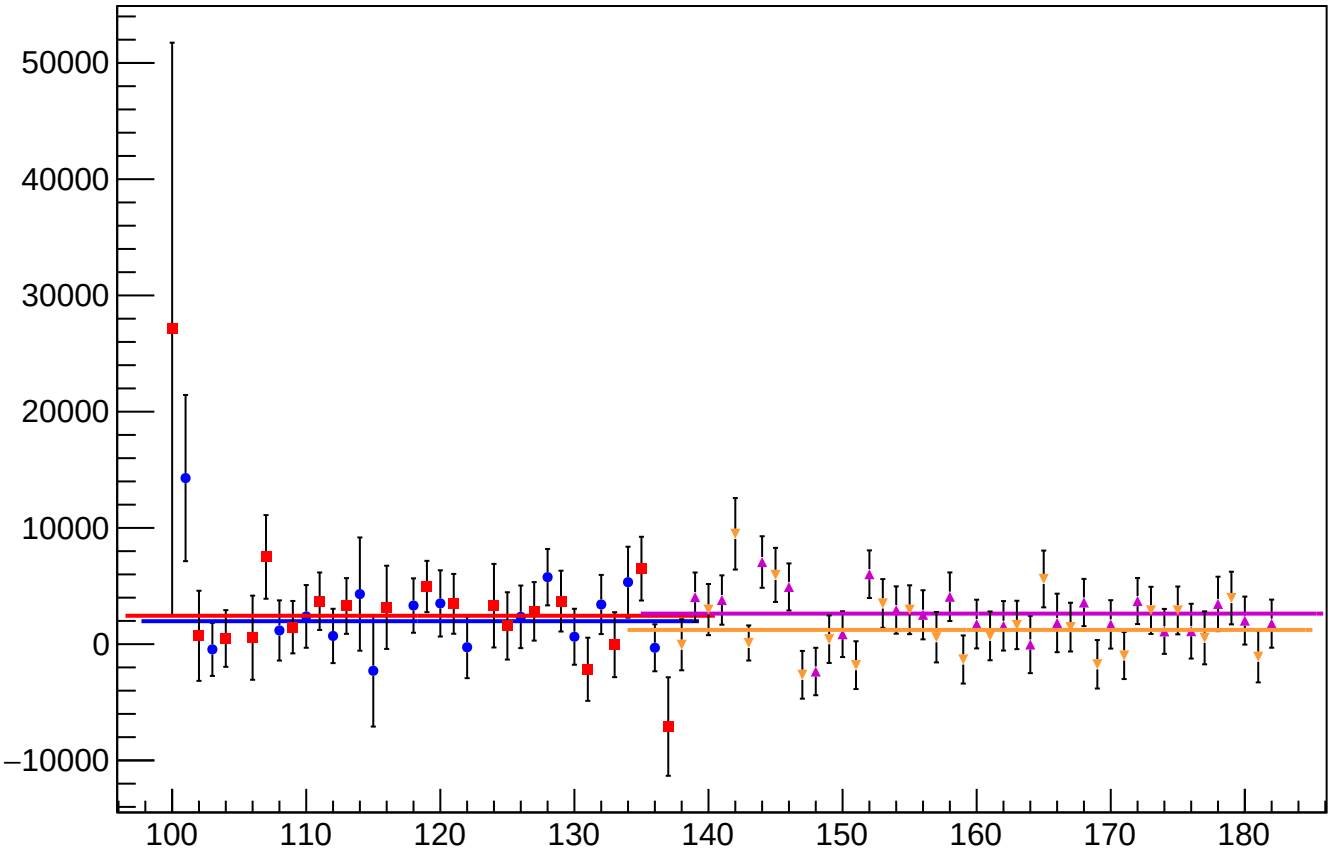
Left: 3317.743+/-0.464 χ^2/NDF: 20886248.7/44

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3982.821+/-0.591 χ^2/NDF:4718631.0/37

Out: 1985.151+/-0.379 χ^2/NDF:23408481.1/41

All: 2567.335+/-0.319 χ^2/NDF: 36234251.2/7



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1226.065+/-440.481 χ^2/NDF:32.7/22

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2628.006+/-450.956 χ^2/NDF:19.9/21

Left: 1910.564+/-315.105 χ^2/NDF: 57.5/44

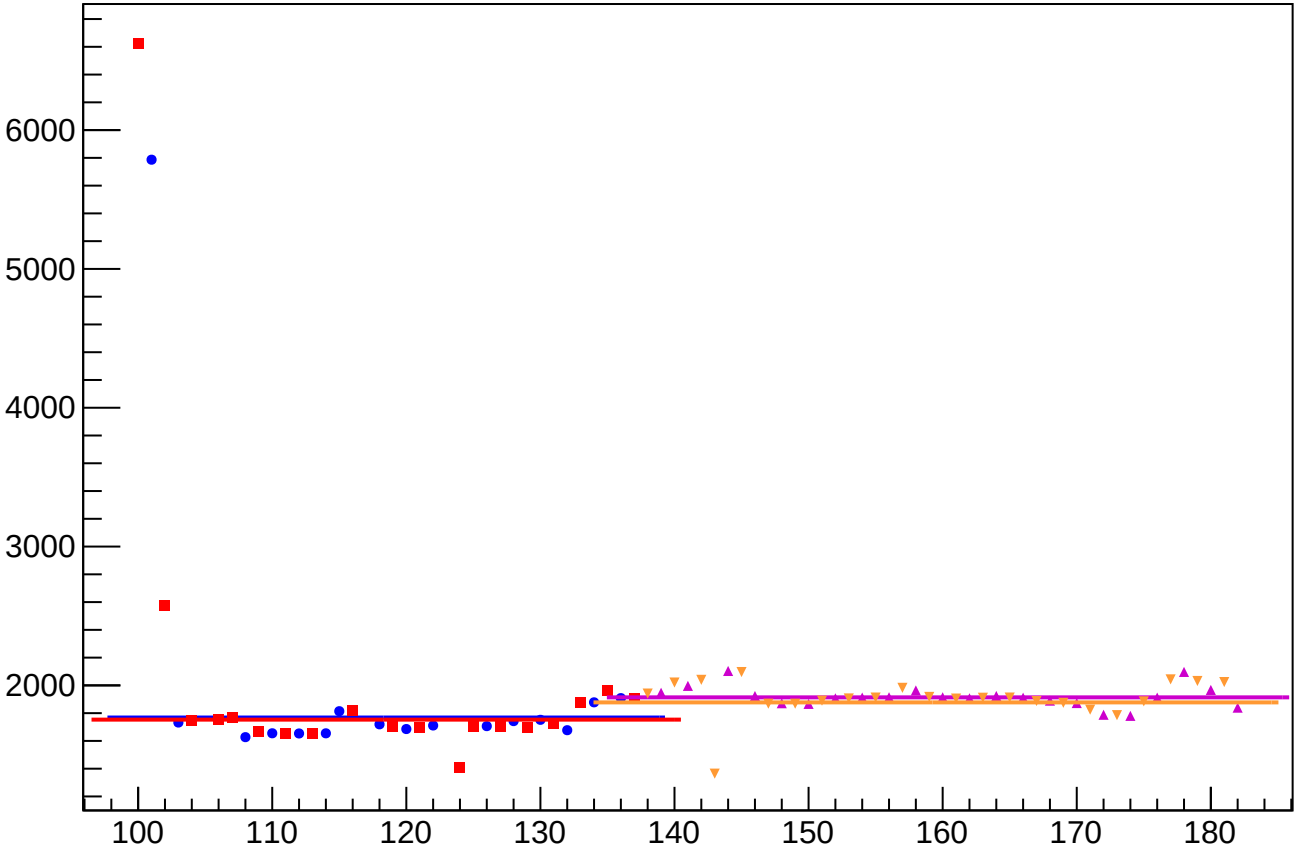
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2426.361+/-374.816 χ^2/NDF:32.9/37

Out: 1603.272+/-365.981 χ^2/NDF:52.6/41

All: 2005.002+/-261.855 χ^2/NDF: 88.0/79

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1877.472+/-0.311 χ^2/NDF:306428.0/22

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1913.782+/-0.319 χ^2/NDF:56200.3/21

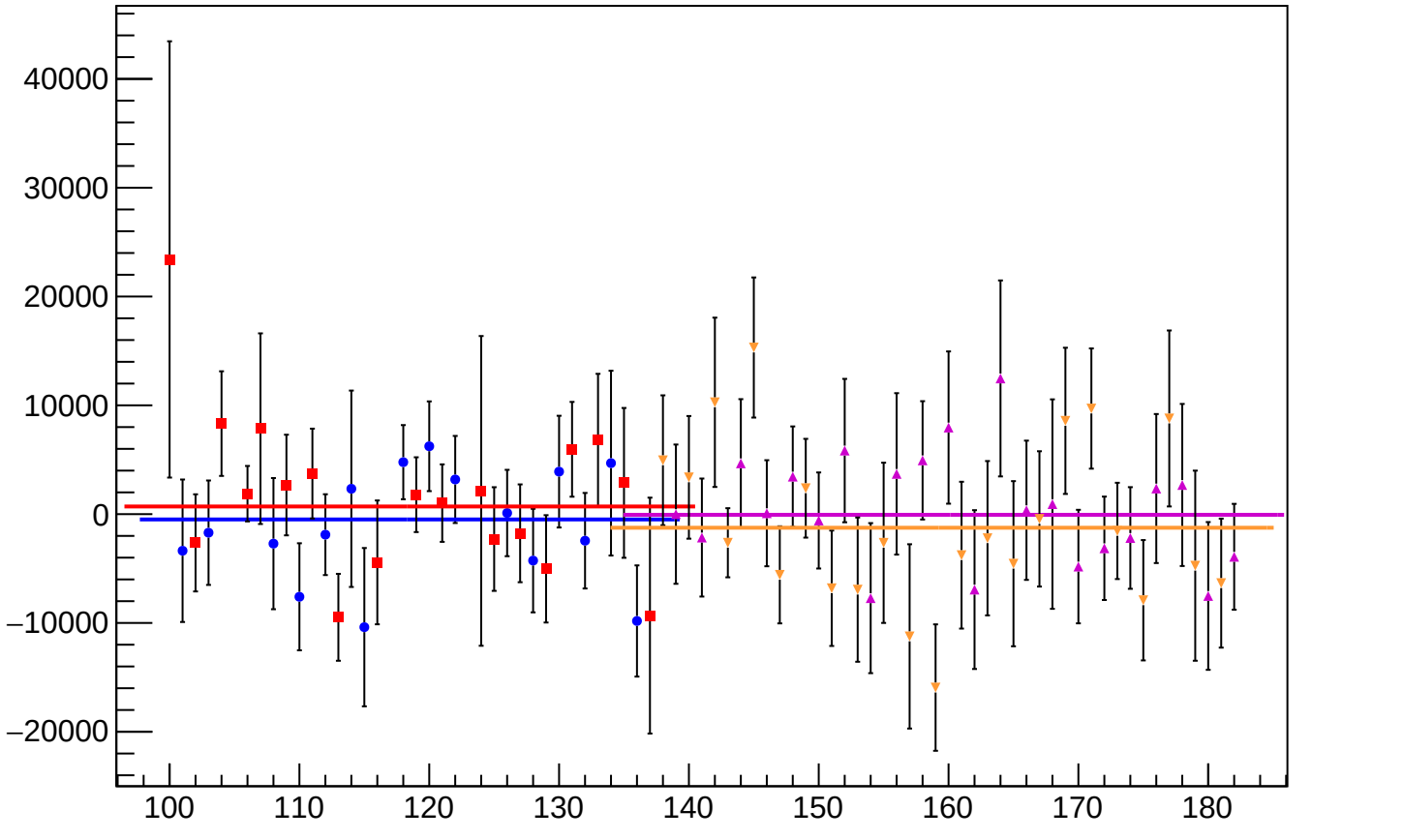
Left: 1895.200+/-0.223 χ^2/NDF: 369263.6/44

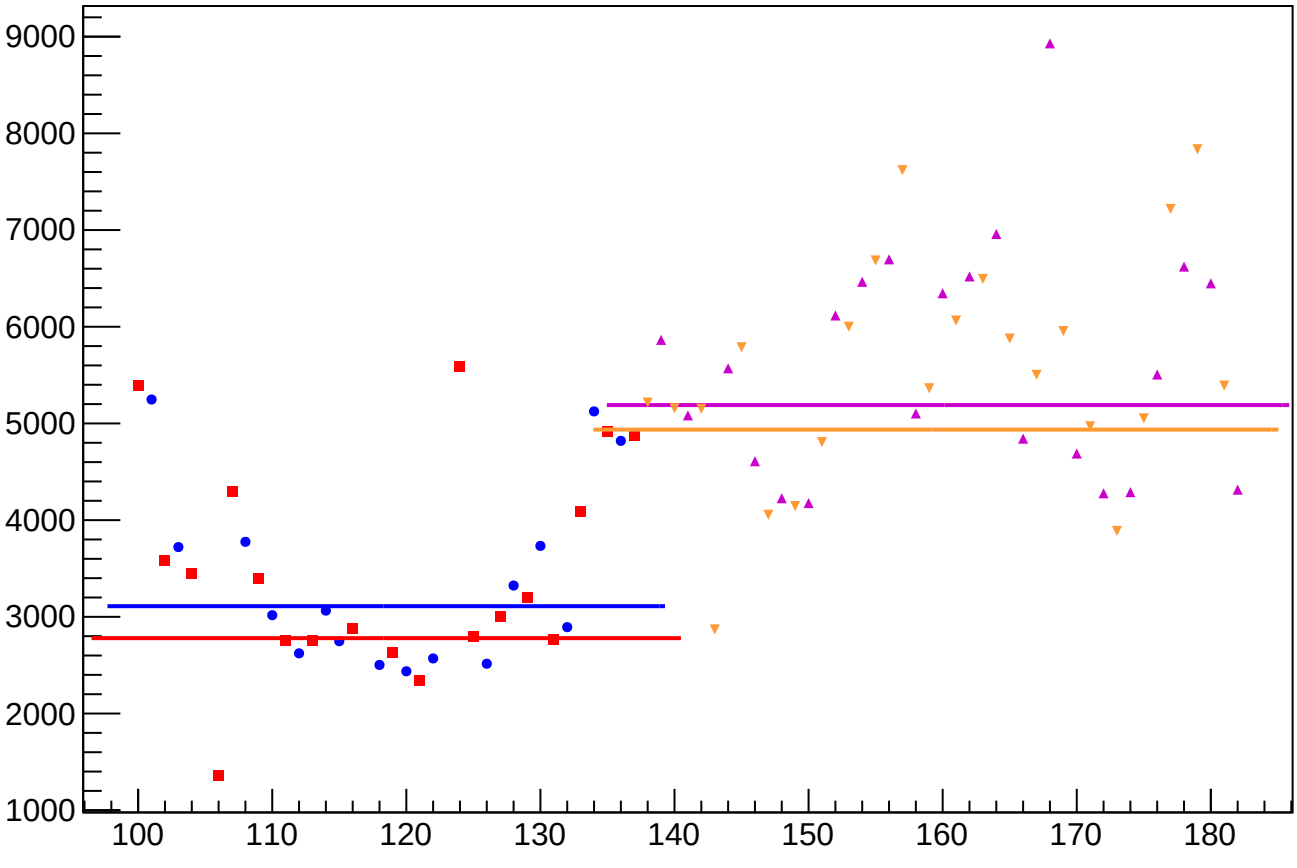
Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1868.858+/-0.265 χ^2/NDF:787763.6/37

Out: 1838.905+/-0.259 χ^2/NDF:574623.7/41

All: 1853.512+/-0.185 χ^2/NDF: 1368930.9/79


asym_atr1l2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -488.104+/-1198.506 χ²/NDF: 15.8/15
Left Out: -1250.305+/-1196.029 χ²/NDF:32.3/22
Right Out: 703.324+/-1069.467 χ²/NDF: 18.8/18
Left In: -61.364+/-1249.500 χ²/NDF:12.2/21
Left: -681.818+/-864.005 χ²/NDF: 45.0/44
Right: 175.178+/-797.963 χ²/NDF: 35.1/34
In: -283.620+/-864.937 χ²/NDF:28.0/37
Out: -164.691+/-797.231 χ²/NDF:52.6/41
All: -219.319+/-586.204 χ²/NDF: 80.7/79



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4936.166+/-0.846 χ^2/NDF:2156782.1/22

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5189.807+/-0.884 χ^2/NDF:1327658.8/21

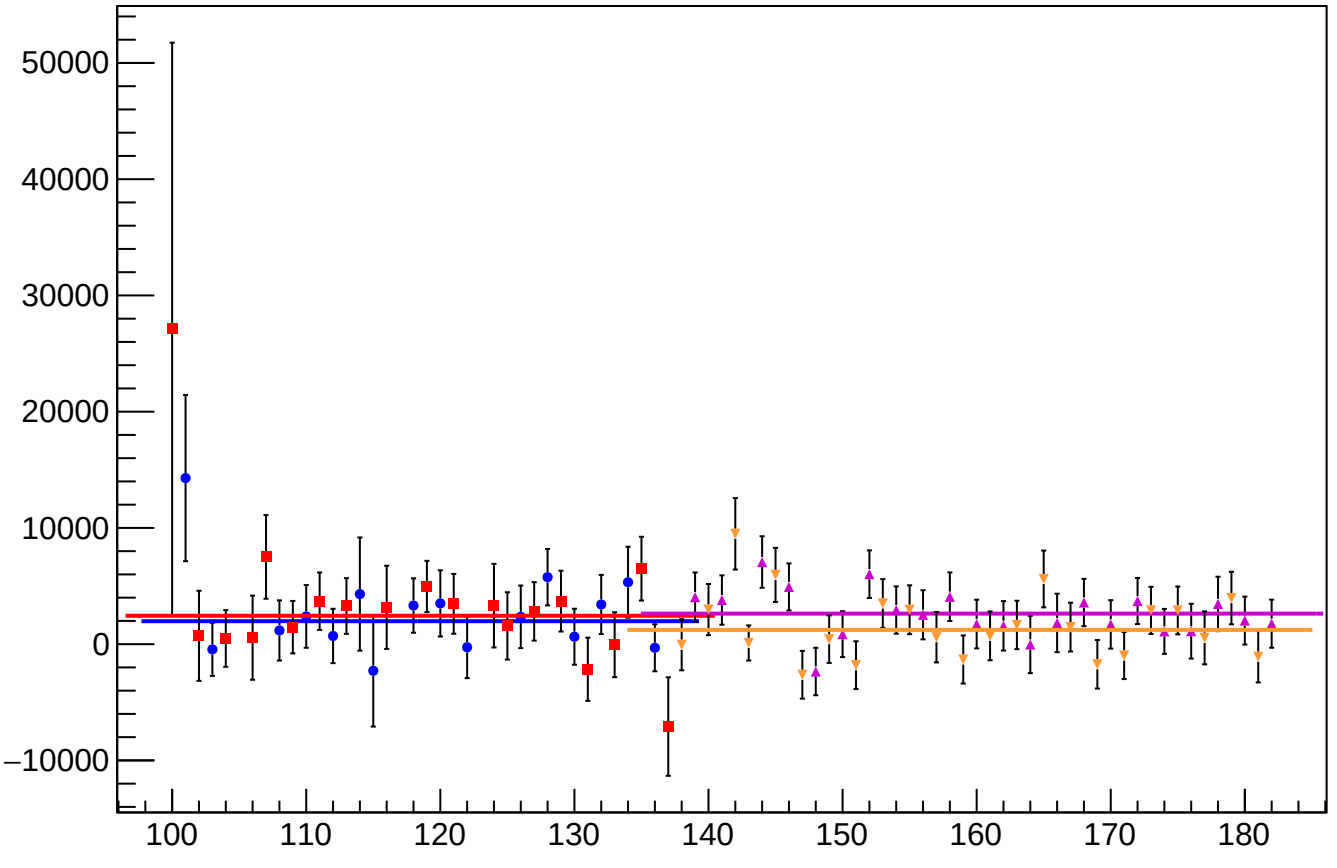
Left: 5057.443+/-0.611 χ^2/NDF: 3527448.5/44

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 4106.667+/-0.612 χ^2/NDF:5096529.8/37

Out: 3737.799+/-0.564 χ^2/NDF:7118137.9/41

All: 3907.232+/-0.415 χ^2/NDF: 12411335.1/7



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1226.062+/-440.481 χ^2/NDF:32.7/22

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2628.005+/-450.956 χ^2/NDF:19.9/21

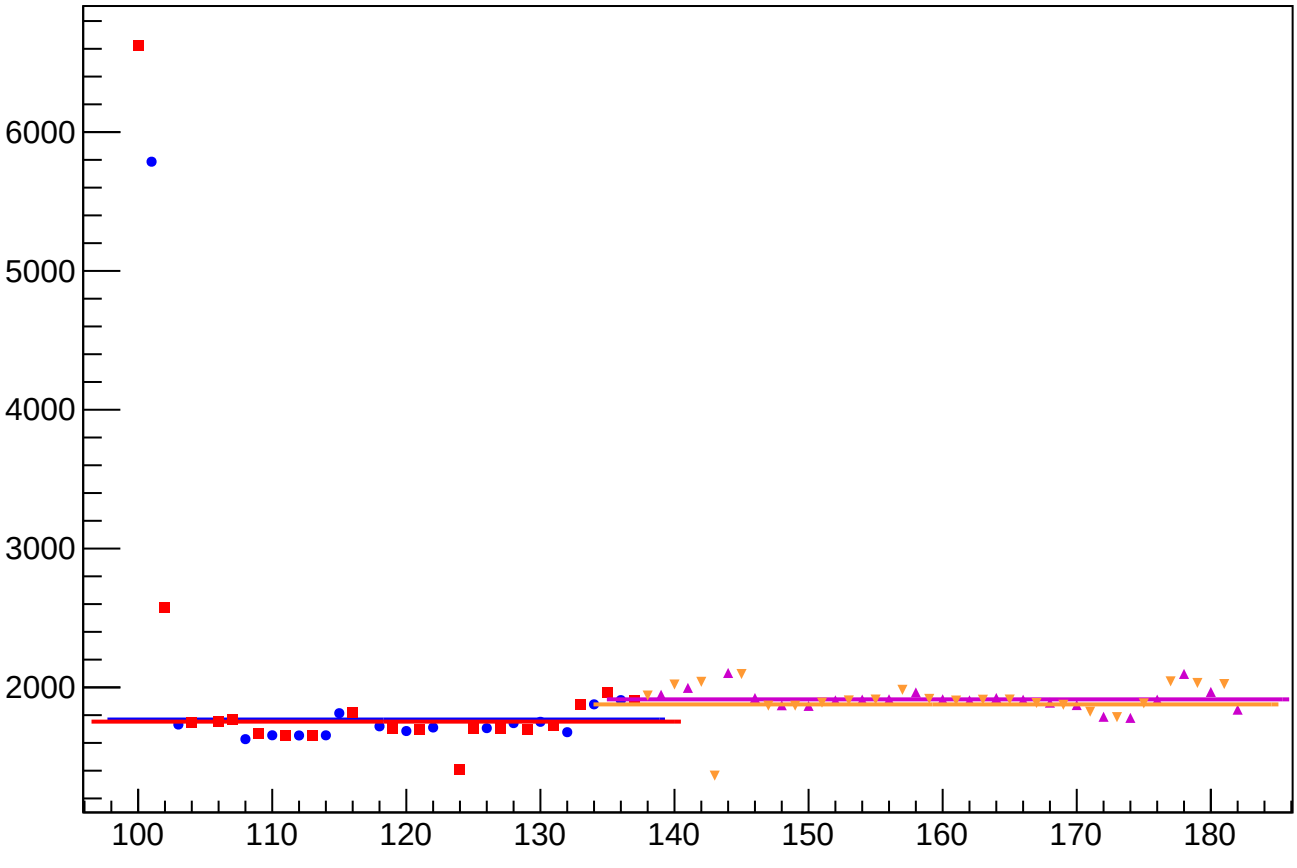
Left: 1910.562+/-315.105 χ^2/NDF: 57.5/44

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2426.361+/-374.816 χ^2/NDF:32.9/37

Out: 1603.270+/-365.981 χ^2/NDF:52.6/41

All: 2005.001+/-261.855 χ^2/NDF: 88.0/79



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1877.473+/-0.311 χ^2/NDF:306431.6/22

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1913.783+/-0.319 χ^2/NDF:56202.6/21

Left: 1895.201+/-0.223 χ^2/NDF: 369269.5/44

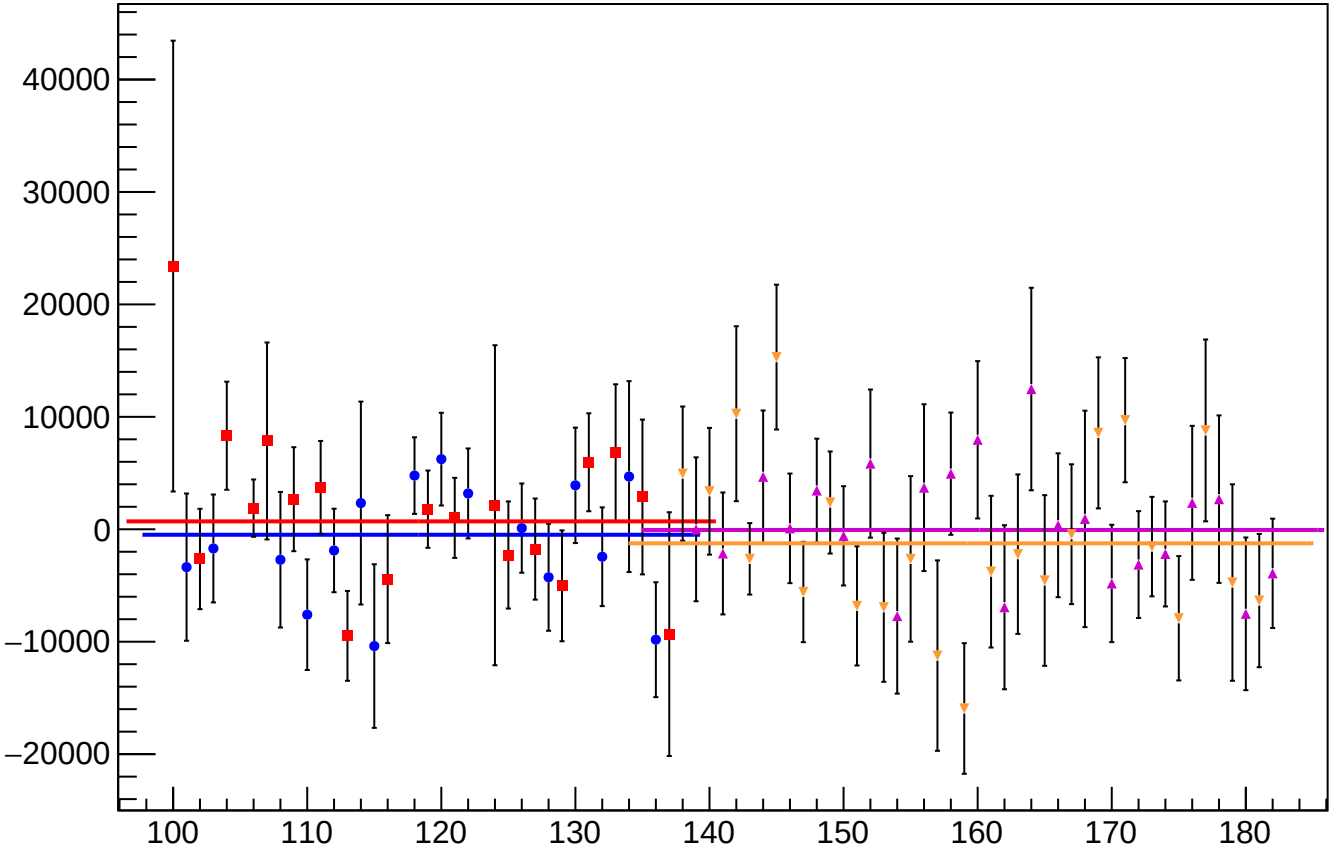
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1868.859+/-0.265 χ^2/NDF:787766.9/37

Out: 1838.906+/-0.259 χ^2/NDF:574628.1/41

All: 1853.513+/-0.185 χ^2/NDF: 1368938.6/79

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1250.310+/-1196.030 χ^2/NDF:32.3/22

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: -61.365+/-1249.502 χ^2/NDF:12.2/21

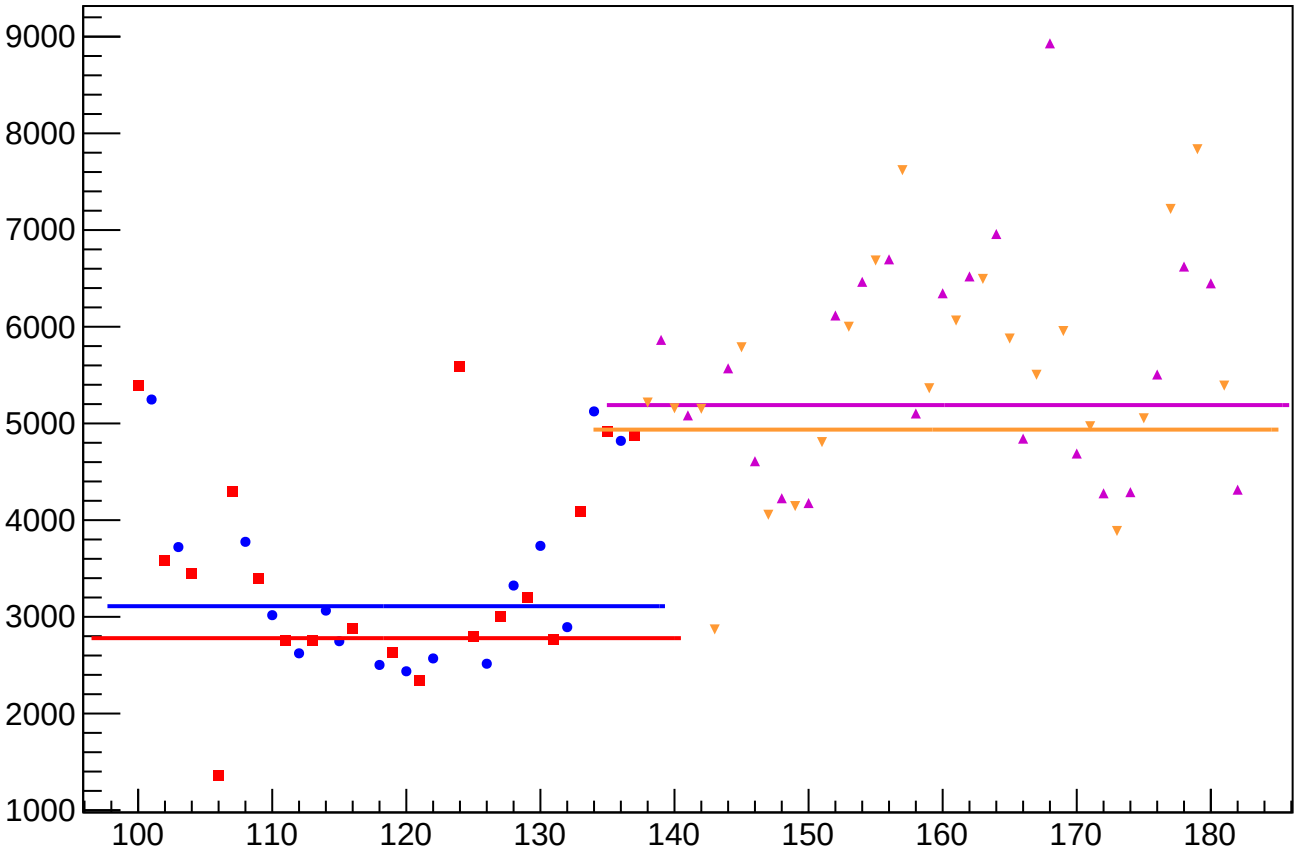
Left: -681.821+/-864.006 χ^2/NDF: 45.0/44

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -283.618+/-864.937 χ^2/NDF:28.0/37

Out: -164.688+/-797.230 χ^2/NDF:52.6/41

All: -219.316+/-586.203 χ^2/NDF: 80.7/79



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4936.173+/-0.846 χ^2/NDF:2156789.3/22

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5189.814+/-0.884 χ^2/NDF:1327660.9/21

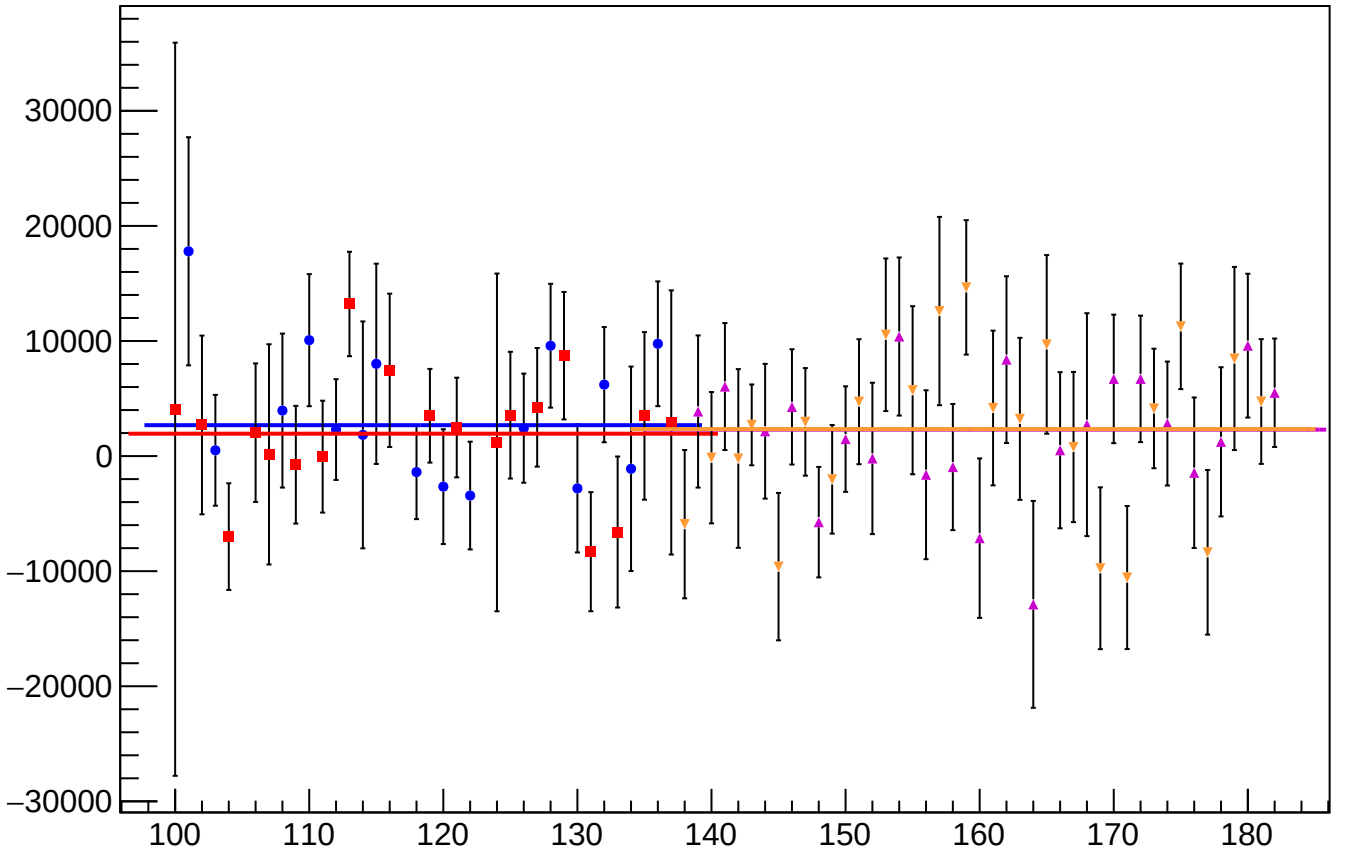
Left: 5057.450+/-0.611 χ^2/NDF: 3527458.0/44

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 4106.660+/-0.612 χ^2/NDF:5096598.3/37

Out: 3737.789+/-0.564 χ^2/NDF:7118235.5/41

All: 3907.223+/-0.415 χ^2/NDF: 12411504.8/7



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2344.319+/-1234.926 χ^2/NDF:28.4/22

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 2297.364+/-1276.079 χ^2/NDF:14.6/21

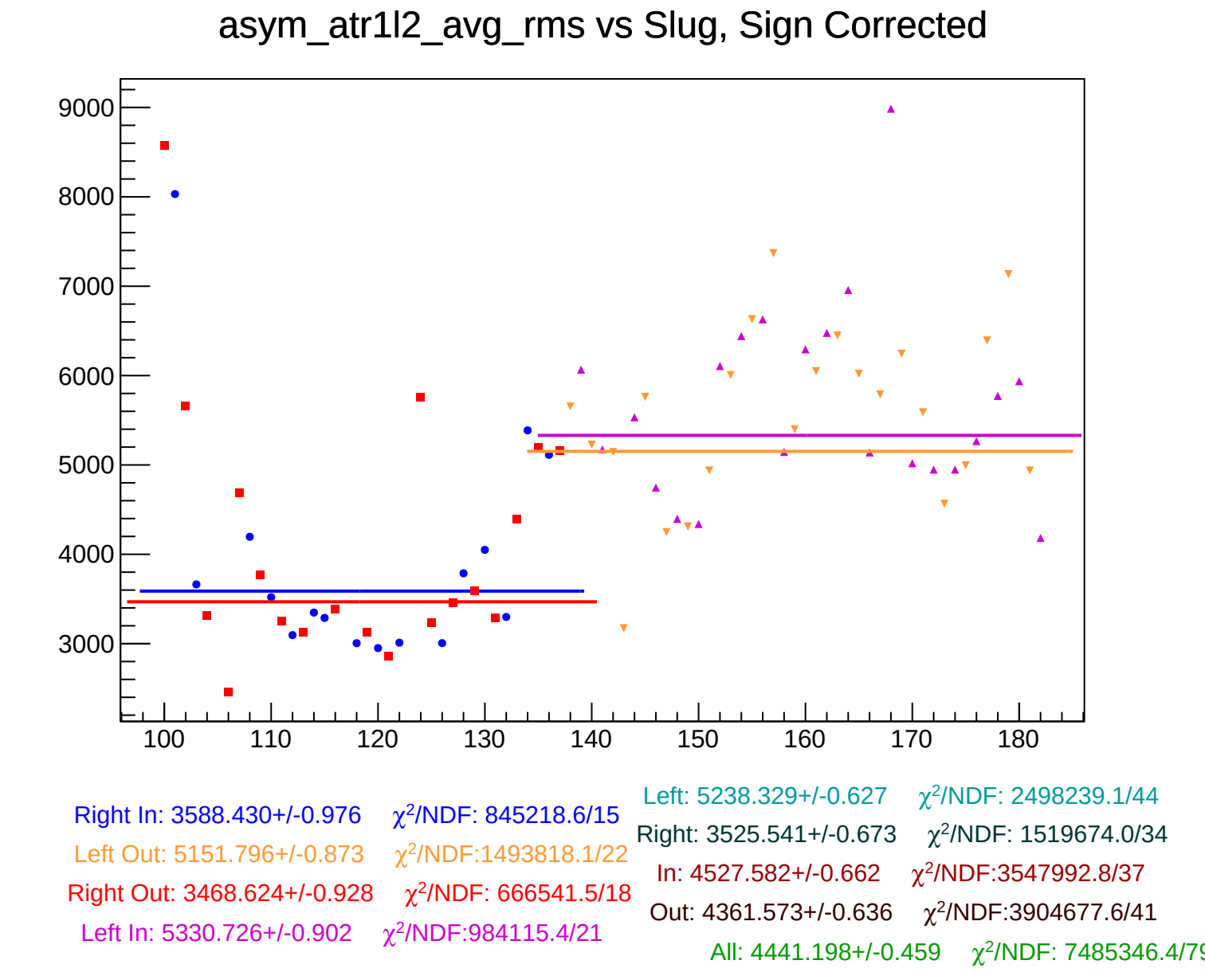
Left: 2321.611+/-887.417 χ^2/NDF: 43.0/44

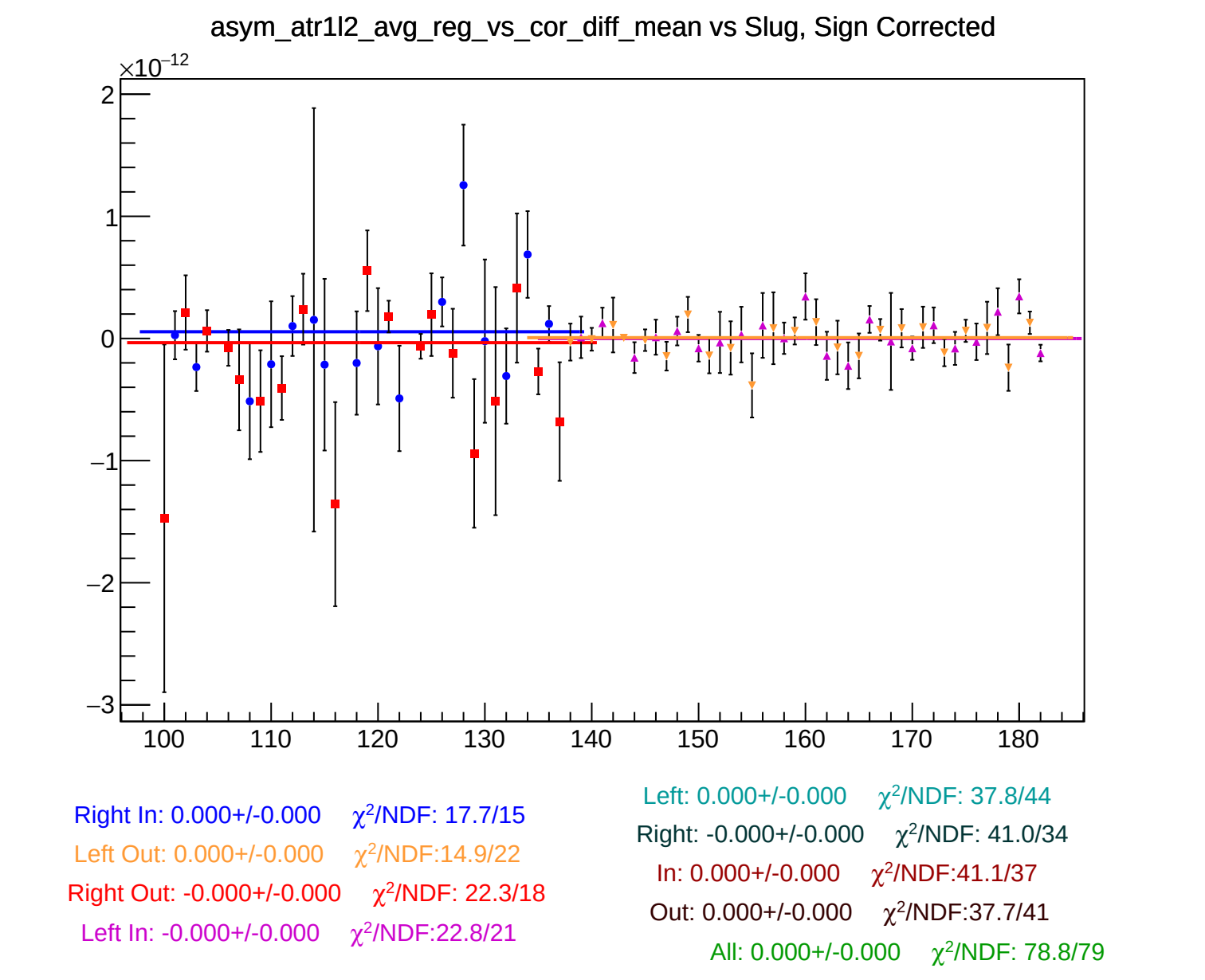
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

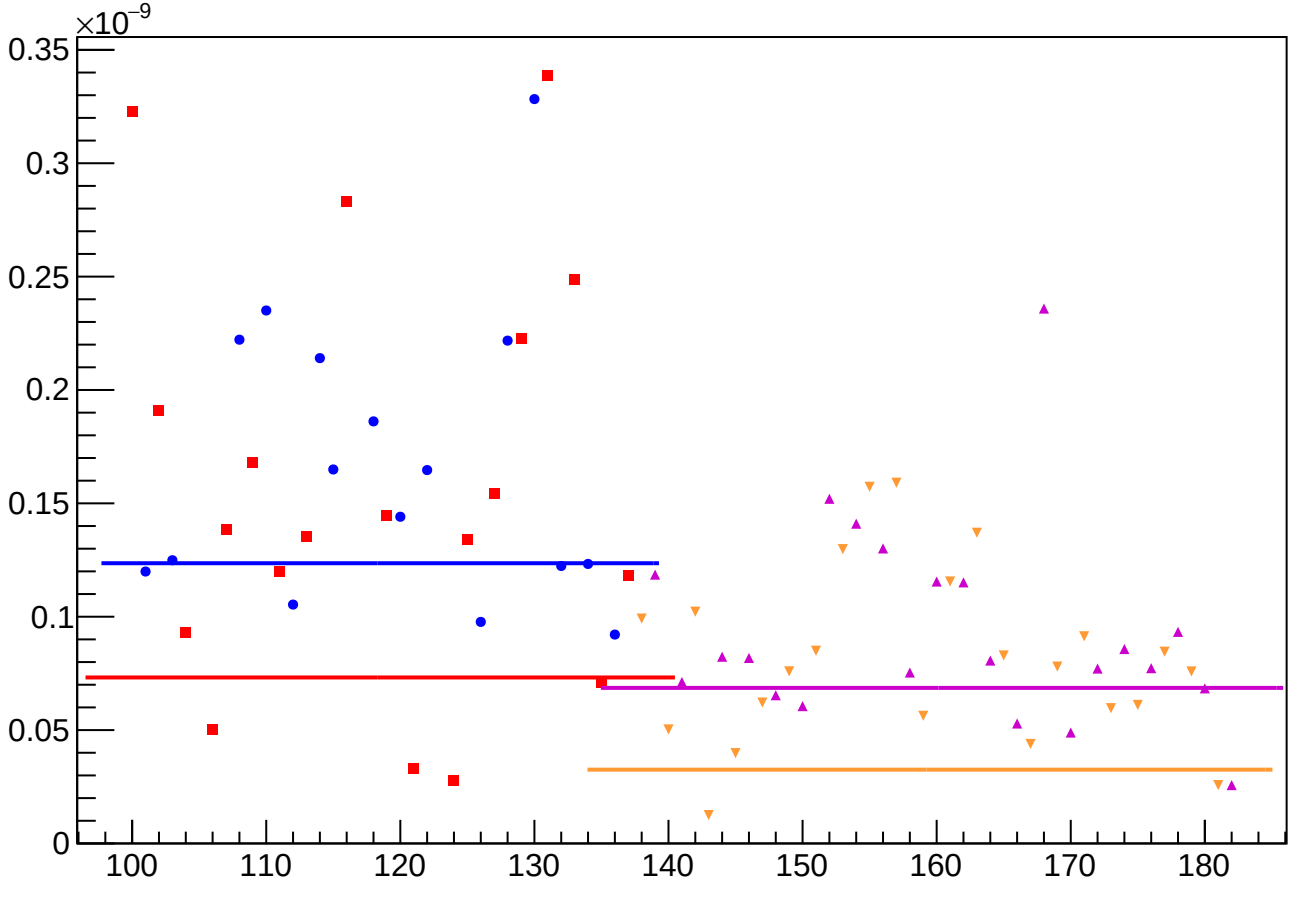
In: 2476.243+/-936.882 χ^2/NDF:28.1/37

Out: 2160.202+/-905.910 χ^2/NDF:47.1/41

All: 2312.912+/-651.249 χ^2/NDF: 75.3/79


asym_atr1l2_avg_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
Right In: 3588.430+/-0.976 χ²/NDF: 845218.6/15
Left Out: 5151.796+/-0.873 χ²/NDF:1493818.1/22
Right Out: 3468.624+/-0.928 χ²/NDF: 666541.5/18
Left In: 5330.726+/-0.902 χ²/NDF:984115.4/21
Left: 5238.329+/-0.627 χ²/NDF: 2498239.1/44
Right: 3525.541+/-0.673 χ²/NDF: 1519674.0/34
In: 4527.582+/-0.662 χ²/NDF:3547992.8/37
Out: 4361.573+/-0.636 χ²/NDF:3904677.6/41
All: 4441.198+/-0.459 χ²/NDF: 7485346.4/79


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: 0.000+/-0.000 χ²/NDF:14.9/22
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: -0.000+/-0.000 χ²/NDF:22.8/21
Left: 0.000+/-0.000 χ²/NDF: 37.8/44
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:41.1/37
Out: 0.000+/-0.000 χ²/NDF:37.7/41
All: 0.000+/-0.000 χ²/NDF: 78.8/79



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6121978.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2364083.7/21

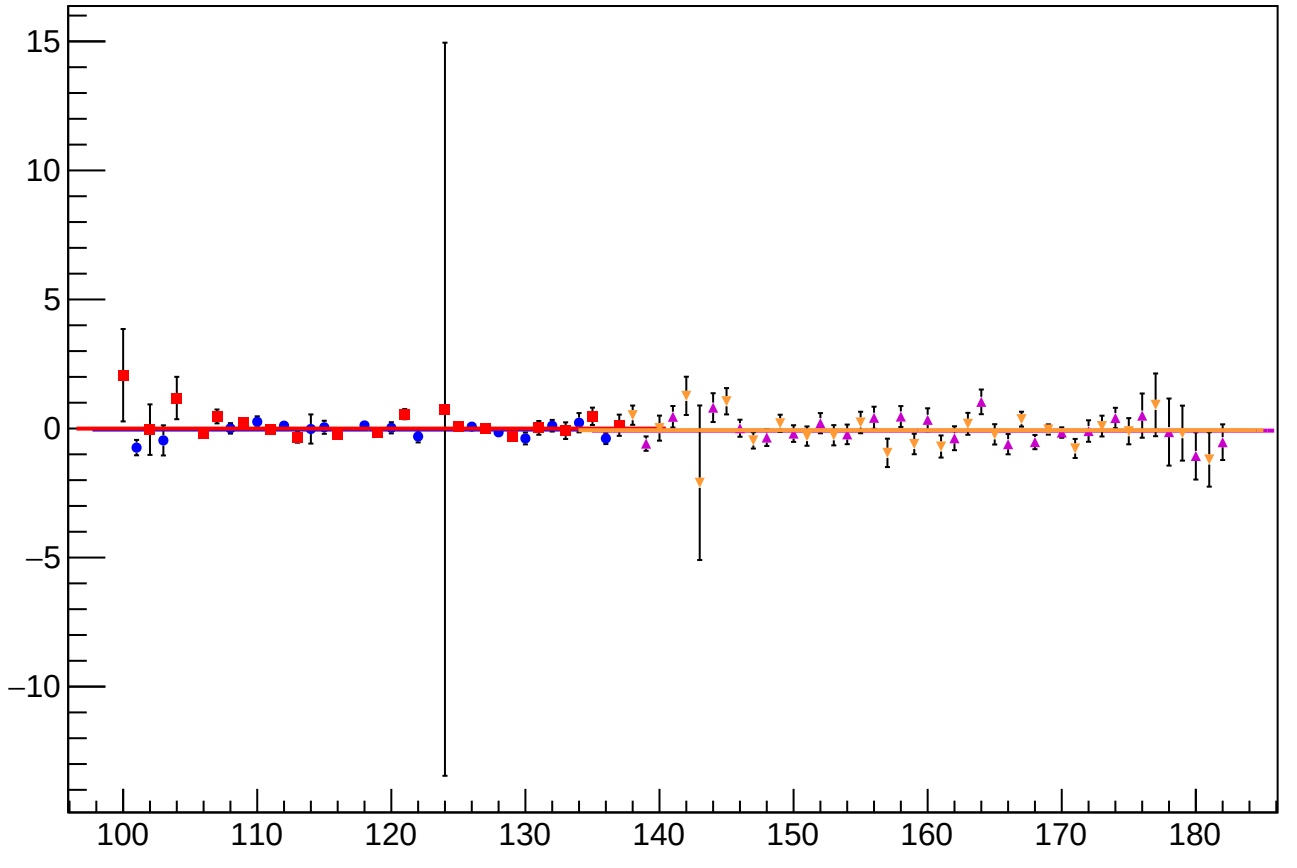
Left: 0.000+/-0.000 χ^2/NDF: 10759496.4/44

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:4003536.0/37

Out: 0.000+/-0.000 χ^2/NDF:9362918.1/41

All: 0.000+/-0.000 χ^2/NDF: 16482732.4/79



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.066+/-0.085 χ^2/NDF:29.2/22

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.082+/-0.081 χ^2/NDF:27.0/21

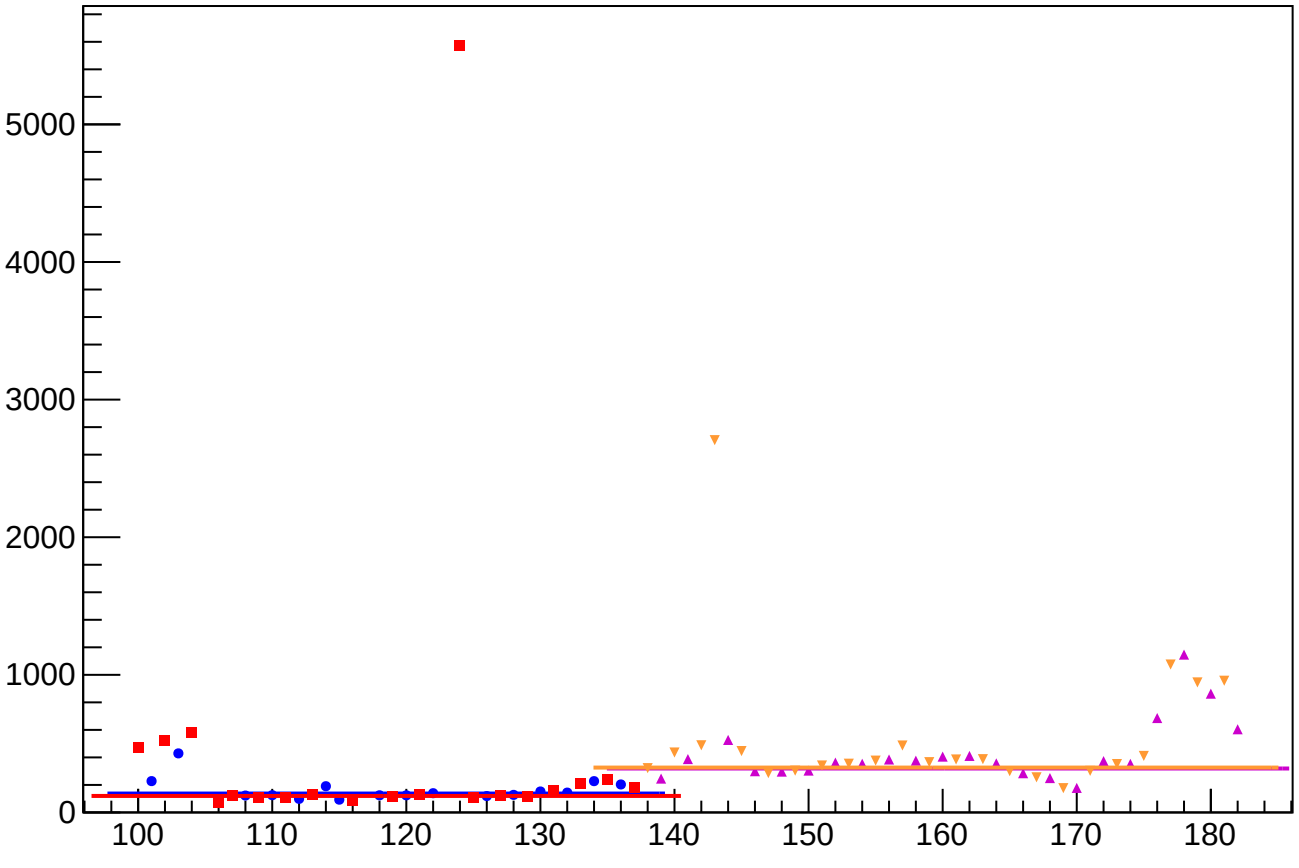
Left: -0.075+/-0.059 χ^2/NDF: 56.2/44

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.046 χ^2/NDF:45.1/37

Out: -0.020+/-0.044 χ^2/NDF:58.3/41

All: -0.036+/-0.032 χ^2/NDF: 103.7/79



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 326.107+/-0.060 χ^2/NDF:5410240.8/22

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 319.360+/-0.058 χ^2/NDF:4175037.0/21

Left: 322.608+/-0.041 χ^2/NDF: 9591882.2/44

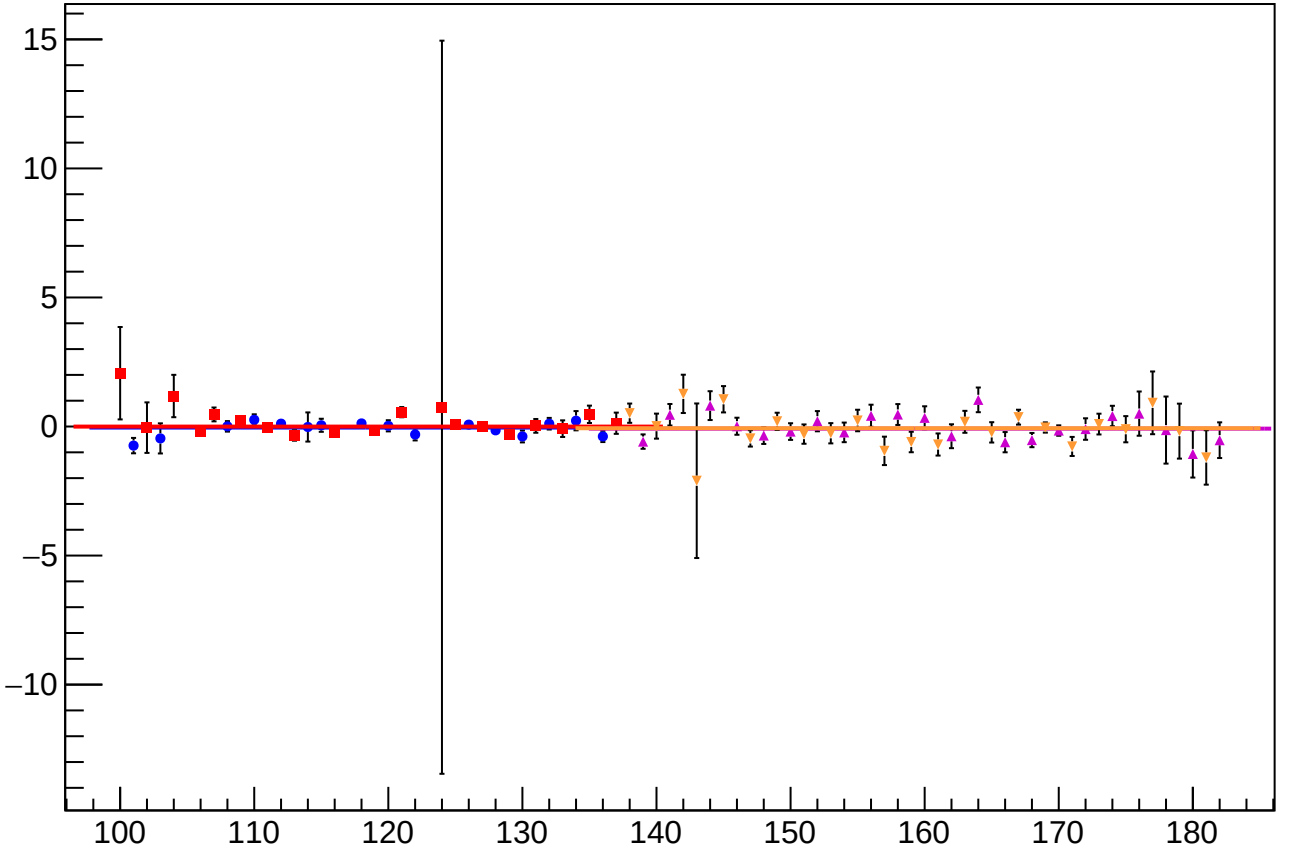
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 195.532+/-0.033 χ^2/NDF:12232811.5/37

Out: 174.874+/-0.031 χ^2/NDF:16270855.9/41

All: 184.645+/-0.022 χ^2/NDF: 28715793.3/79

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: -0.066+/-0.085 χ^2/NDF:29.2/22

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.082+/-0.081 χ^2/NDF:27.0/21

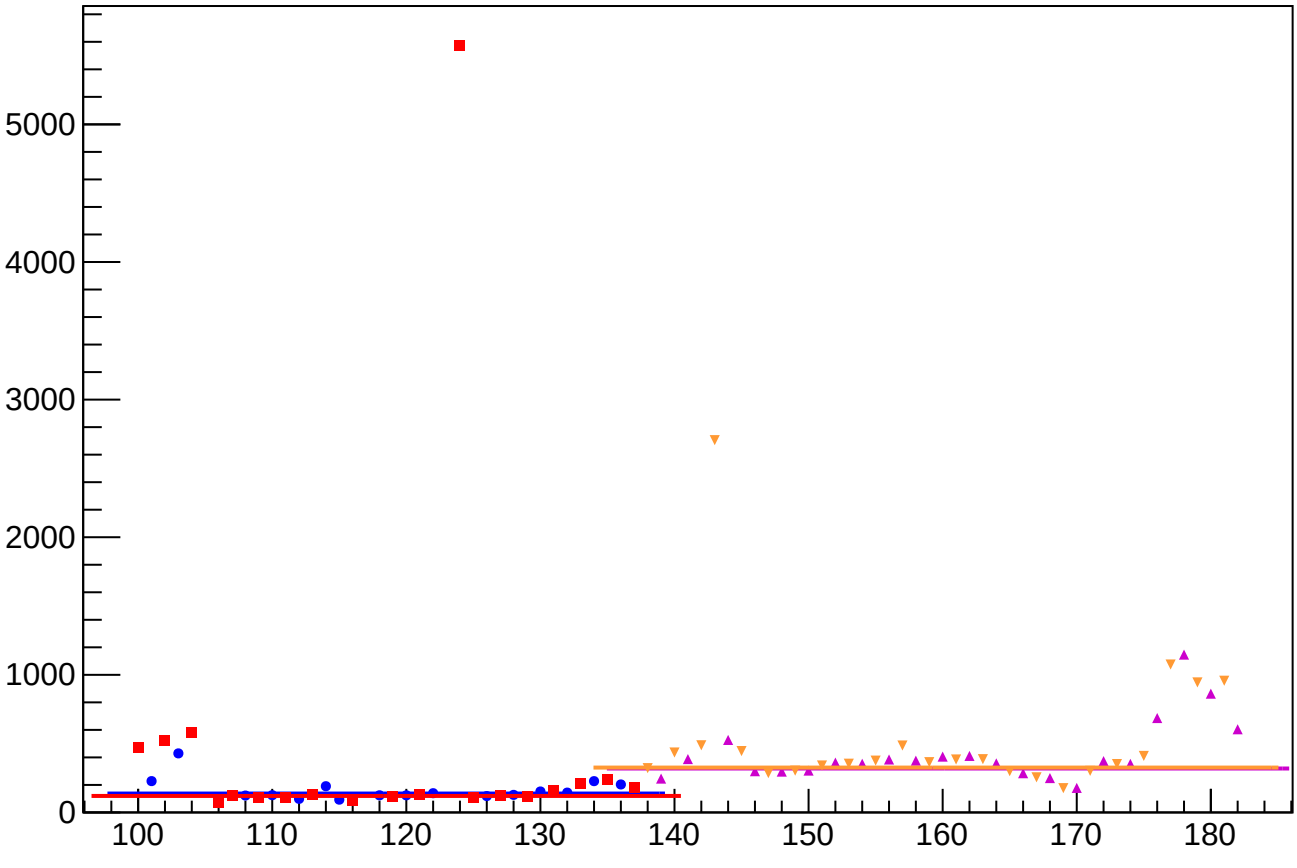
Left: -0.075+/-0.059 χ^2/NDF: 56.2/44

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.046 χ^2/NDF:45.1/37

Out: -0.020+/-0.044 χ^2/NDF:58.3/41

All: -0.036+/-0.032 χ^2/NDF: 103.7/79



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 326.107+/-0.060 χ^2/NDF:5410240.8/22

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 319.360+/-0.058 χ^2/NDF:4175037.0/21

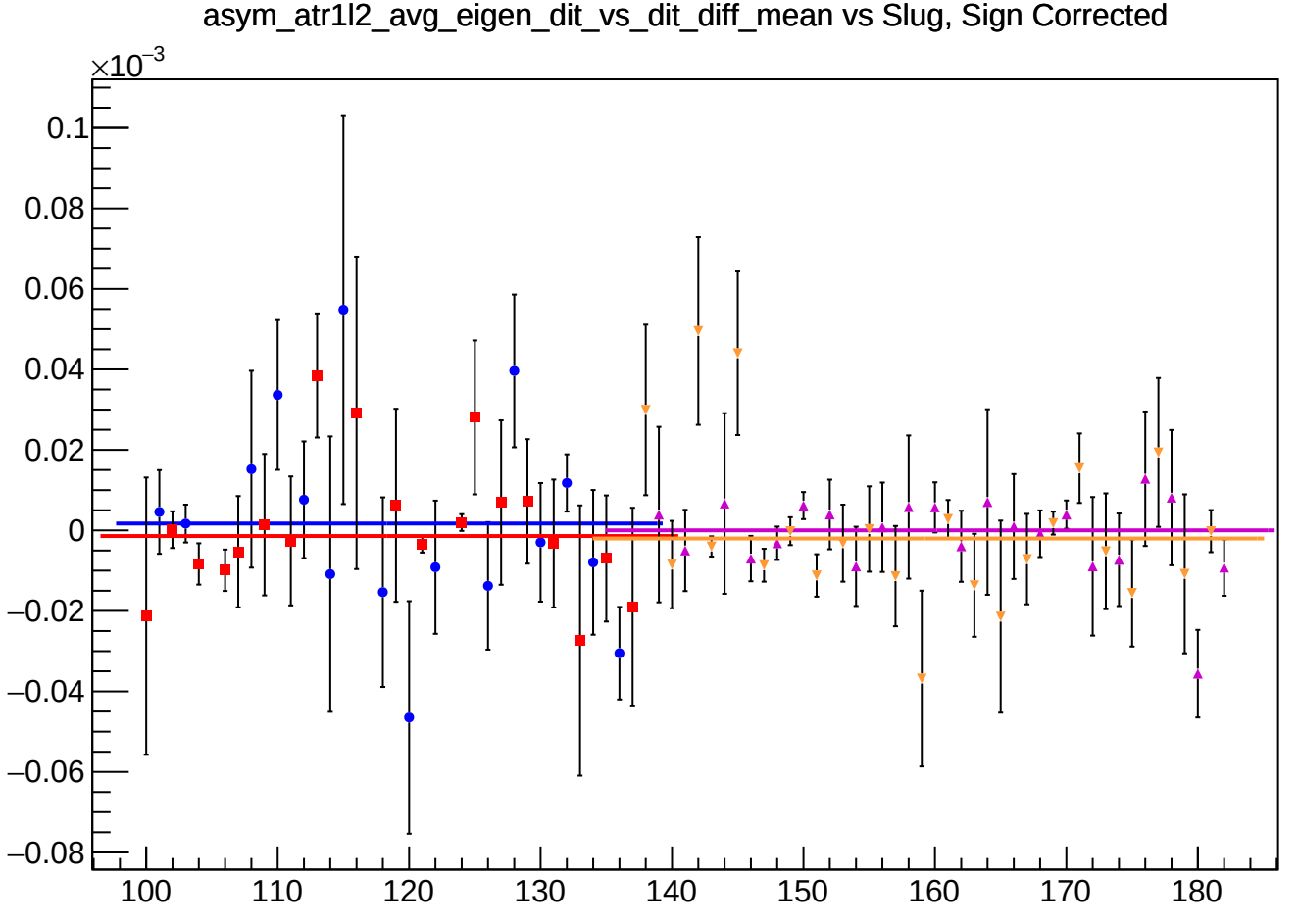
Left: 322.608+/-0.041 χ^2/NDF: 9591882.2/44

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 195.532+/-0.033 χ^2/NDF:12232811.5/37

Out: 174.874+/-0.031 χ^2/NDF:16270855.9/41

All: 184.645+/-0.022 χ^2/NDF: 28715793.3/79



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.8/22

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:23.3/21

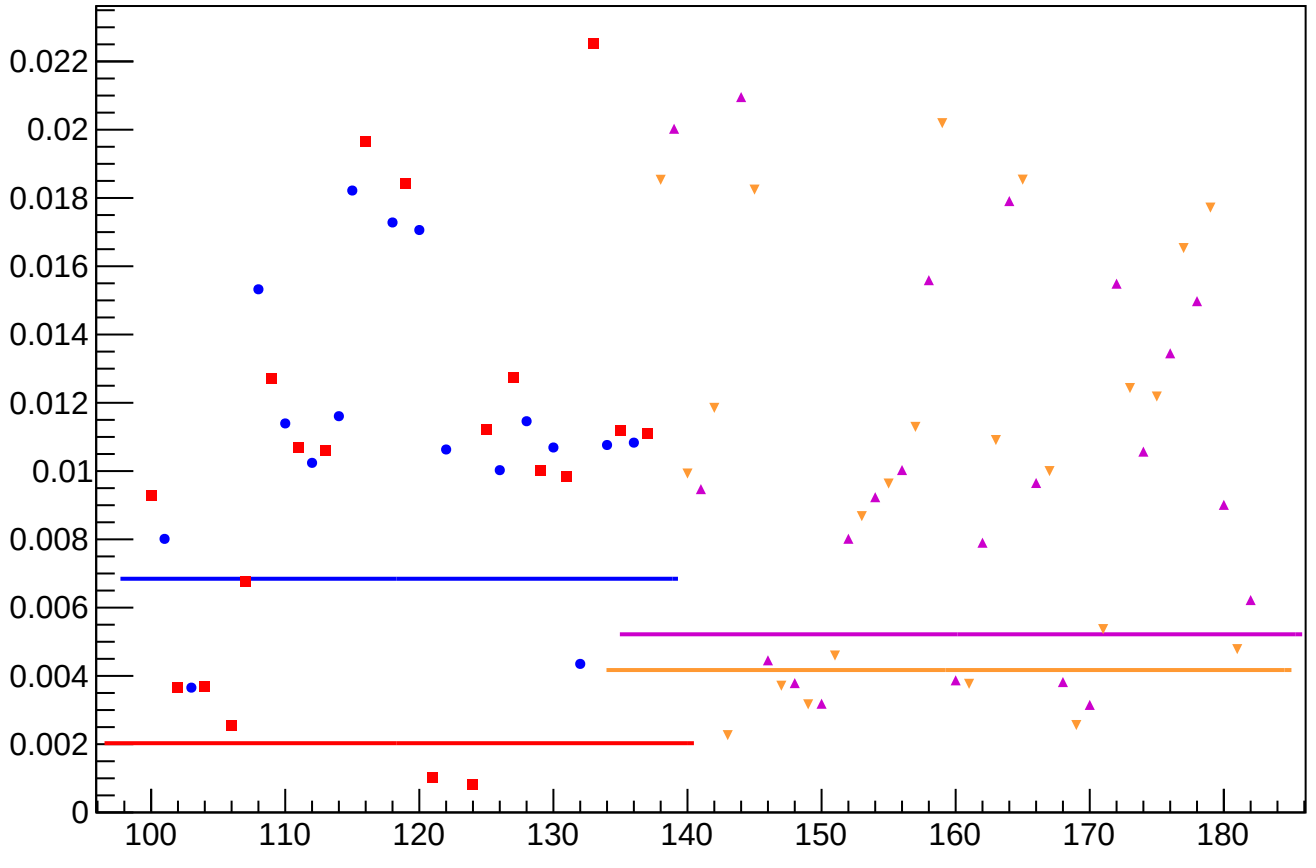
Left: -0.000+/-0.000 χ^2/NDF: 58.2/44

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:47.4/37

Out: -0.000+/-0.000 χ^2/NDF:54.1/41

All: -0.000+/-0.000 χ^2/NDF: 103.2/79



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:12471832.0/22

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:9382111.9/21

Left: 0.005+/-0.000 χ^2/NDF: 22415275.5/44

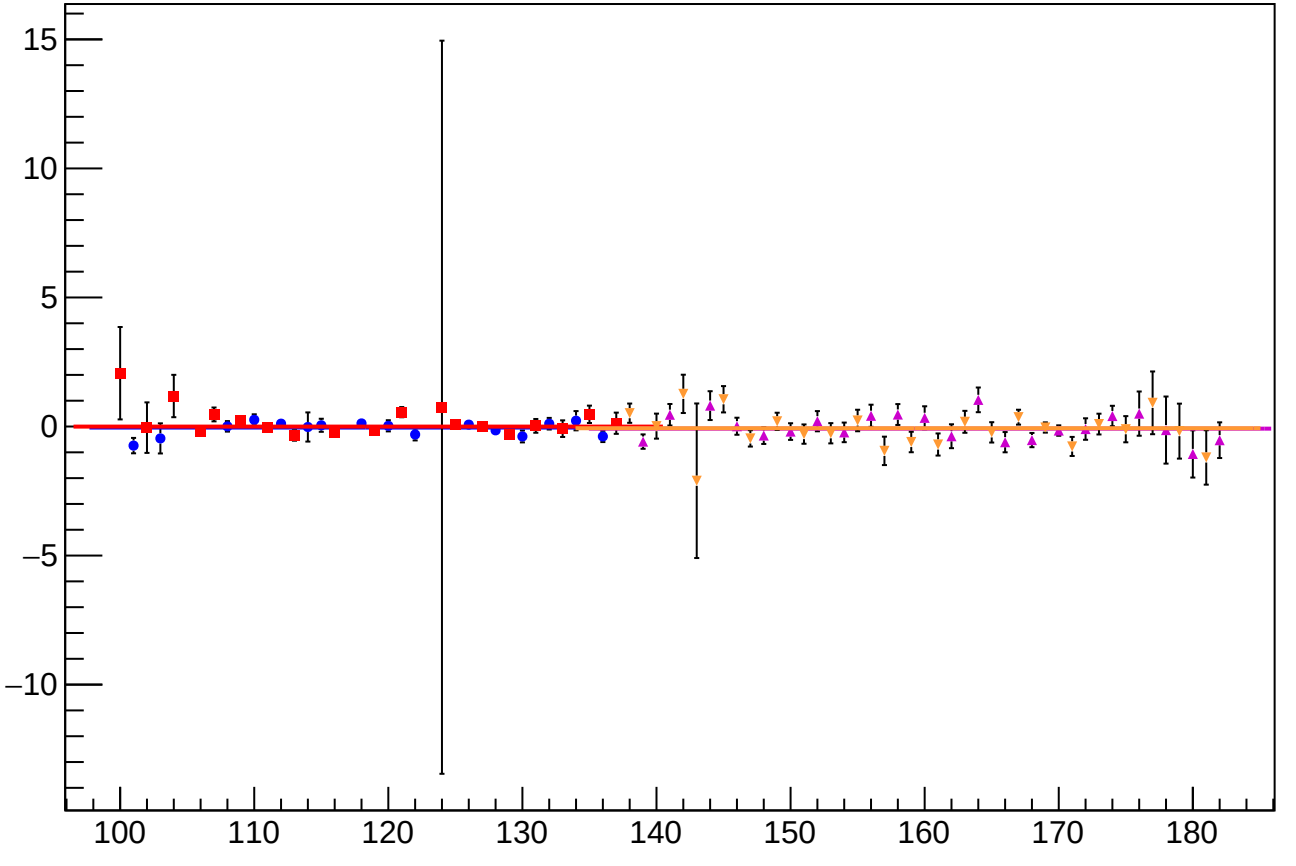
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.006+/-0.000 χ^2/NDF:13088142.4/37

Out: 0.003+/-0.000 χ^2/NDF:24380545.0/41

All: 0.004+/-0.000 χ^2/NDF: 42077851.7/79

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: -0.066+/-0.085 χ^2/NDF:29.2/22

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.082+/-0.081 χ^2/NDF:27.0/21

Left: -0.075+/-0.059 χ^2/NDF: 56.2/44

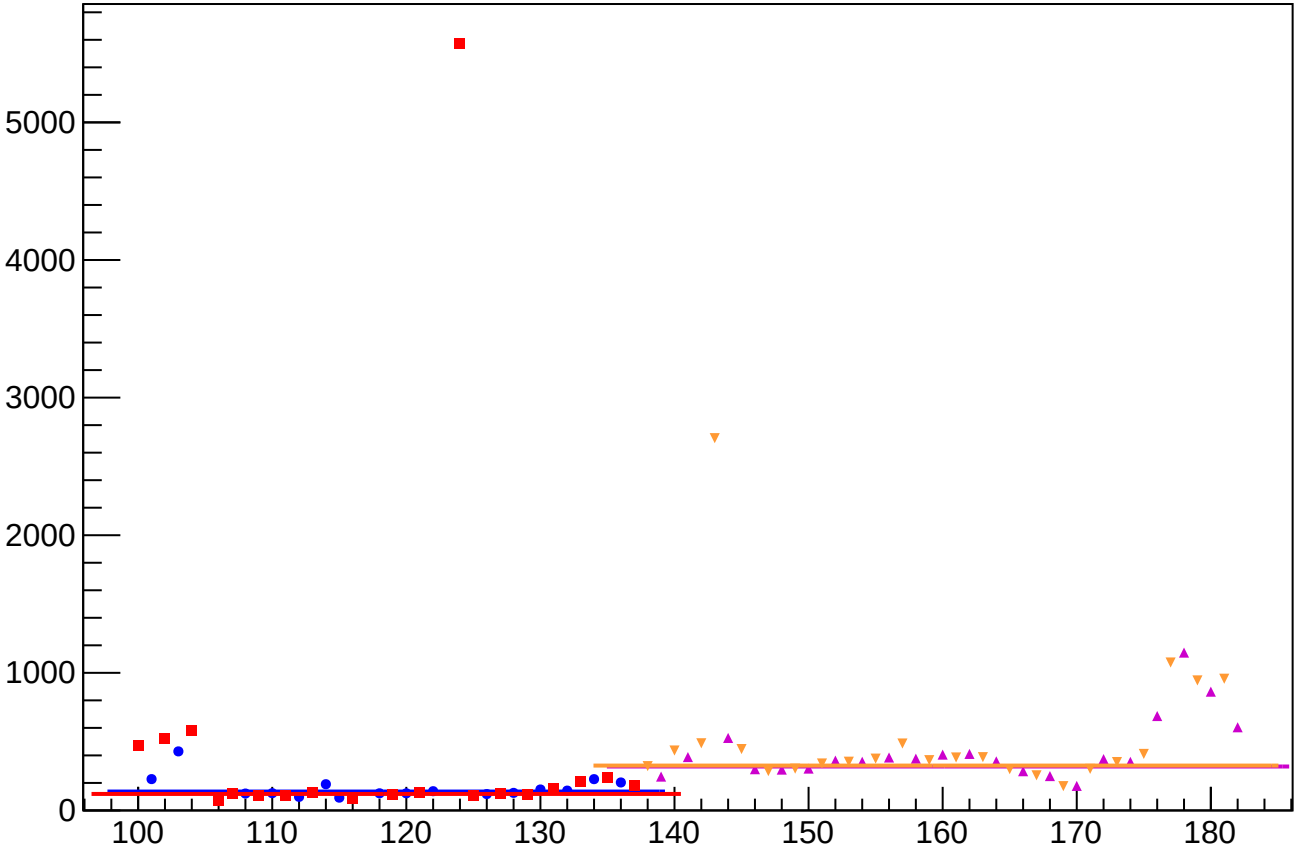
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.046 χ^2/NDF:45.1/37

Out: -0.020+/-0.044 χ^2/NDF:58.3/41

All: -0.036+/-0.032 χ^2/NDF: 103.7/79

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 326.109+/-0.060 χ^2/NDF:5410293.3/22

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 319.363+/-0.058 χ^2/NDF:4175034.5/21

Left: 322.611+/-0.041 χ^2/NDF: 9591930.2/44

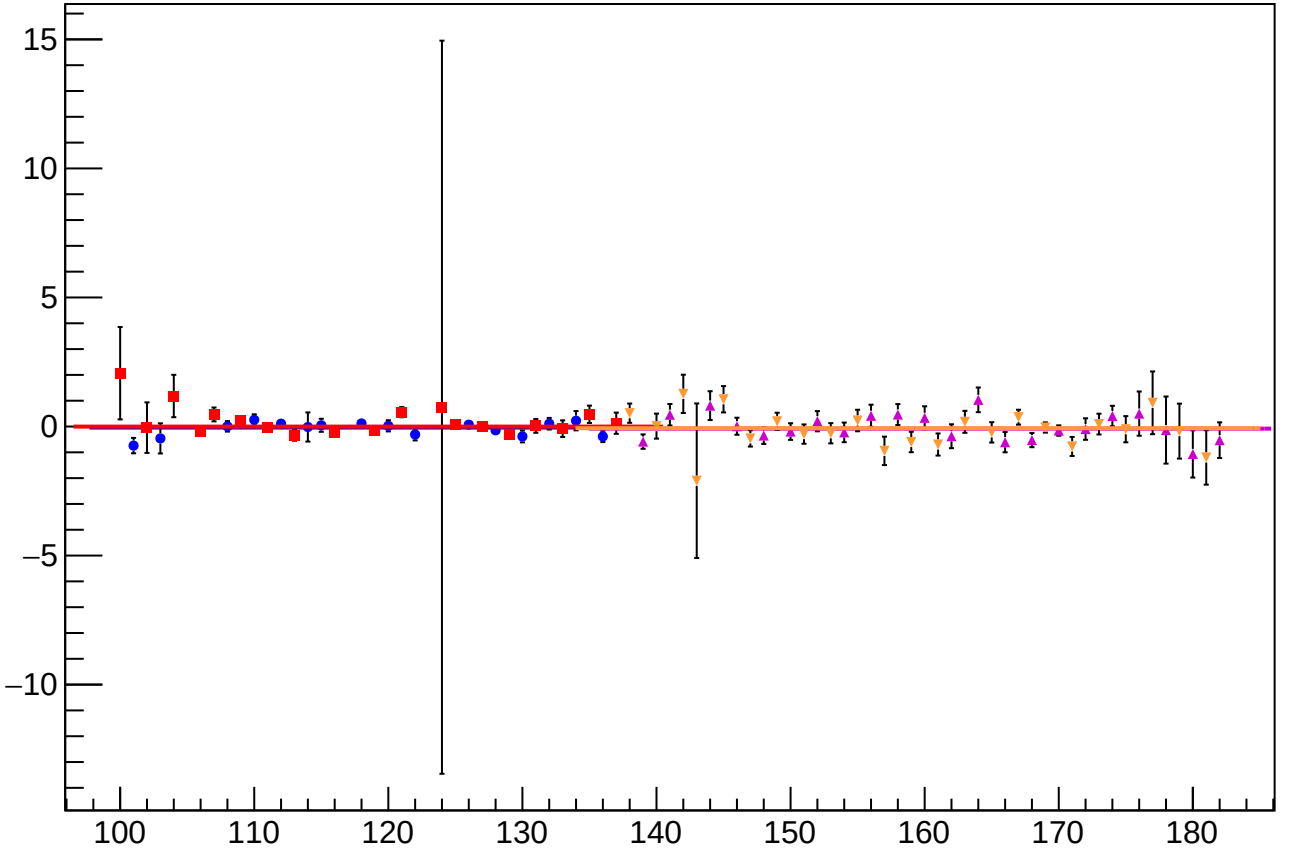
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 195.534+/-0.033 χ^2/NDF:12232787.3/37

Out: 174.874+/-0.031 χ^2/NDF:16270916.4/41

All: 184.646+/-0.022 χ^2/NDF: 28715856.0/79

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: -0.066+/-0.085 χ^2/NDF:29.2/22

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.082+/-0.081 χ^2/NDF:27.0/21

Left: -0.075+/-0.059 χ^2/NDF: 56.2/44

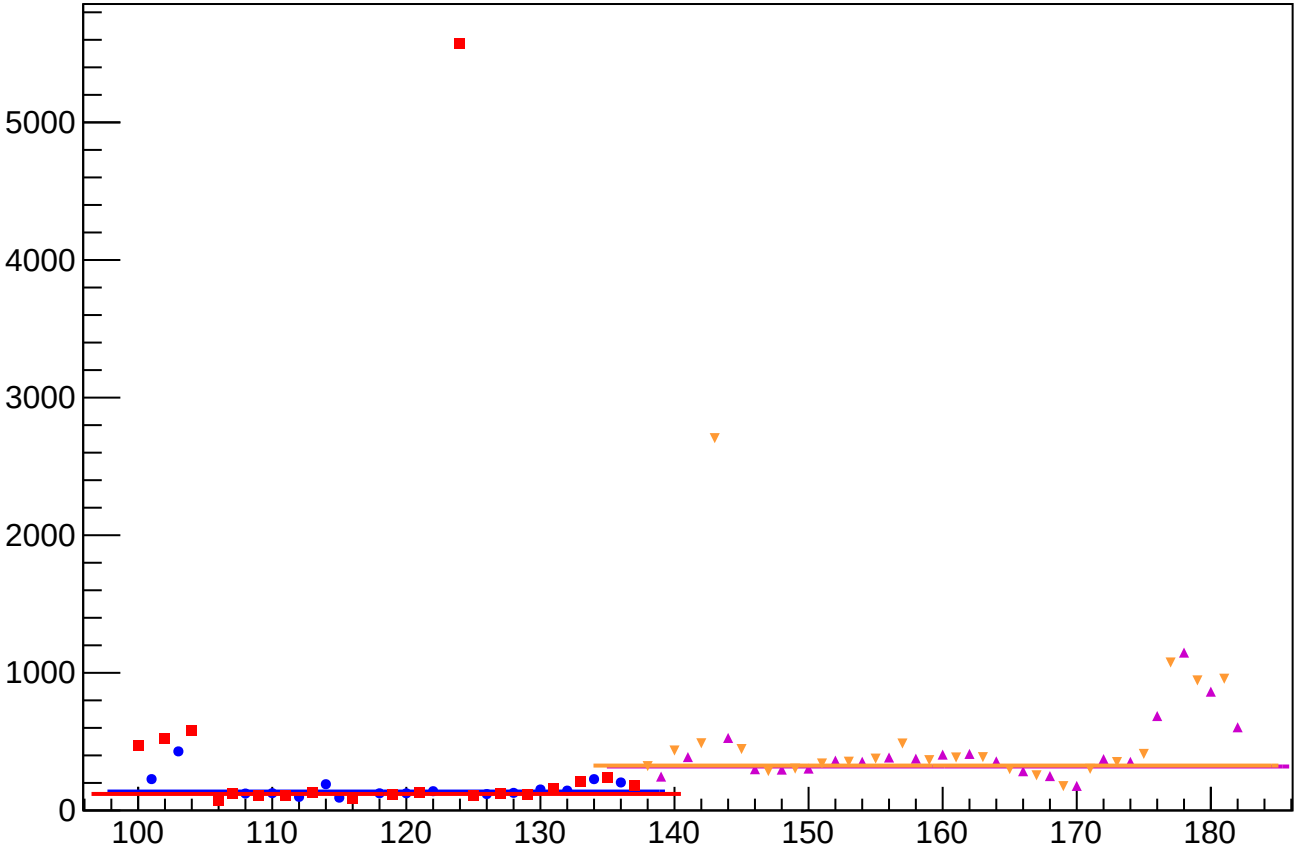
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.046 χ^2/NDF:45.1/37

Out: -0.020+/-0.044 χ^2/NDF:58.3/41

All: -0.036+/-0.032 χ^2/NDF: 103.7/79

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: 326.109+/-0.060 χ^2/NDF:5410293.3/22

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 319.363+/-0.058 χ^2/NDF:4175034.5/21

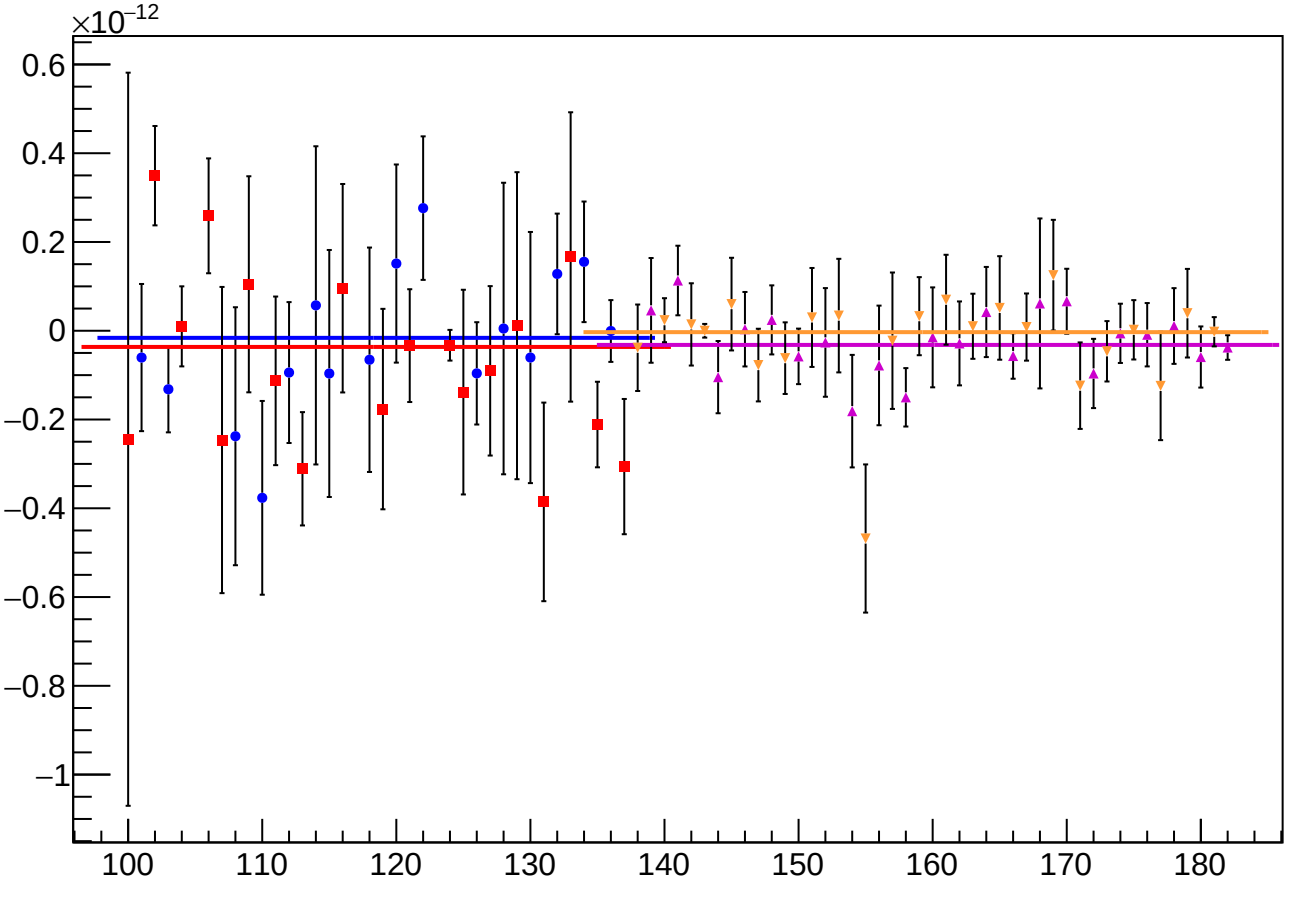
Left: 322.611+/-0.041 χ^2/NDF: 9591930.2/44

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 195.534+/-0.033 χ^2/NDF:12232787.3/37

Out: 174.874+/-0.031 χ^2/NDF:16270916.4/41

All: 184.646+/-0.022 χ^2/NDF: 28715856.0/79



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.5/21

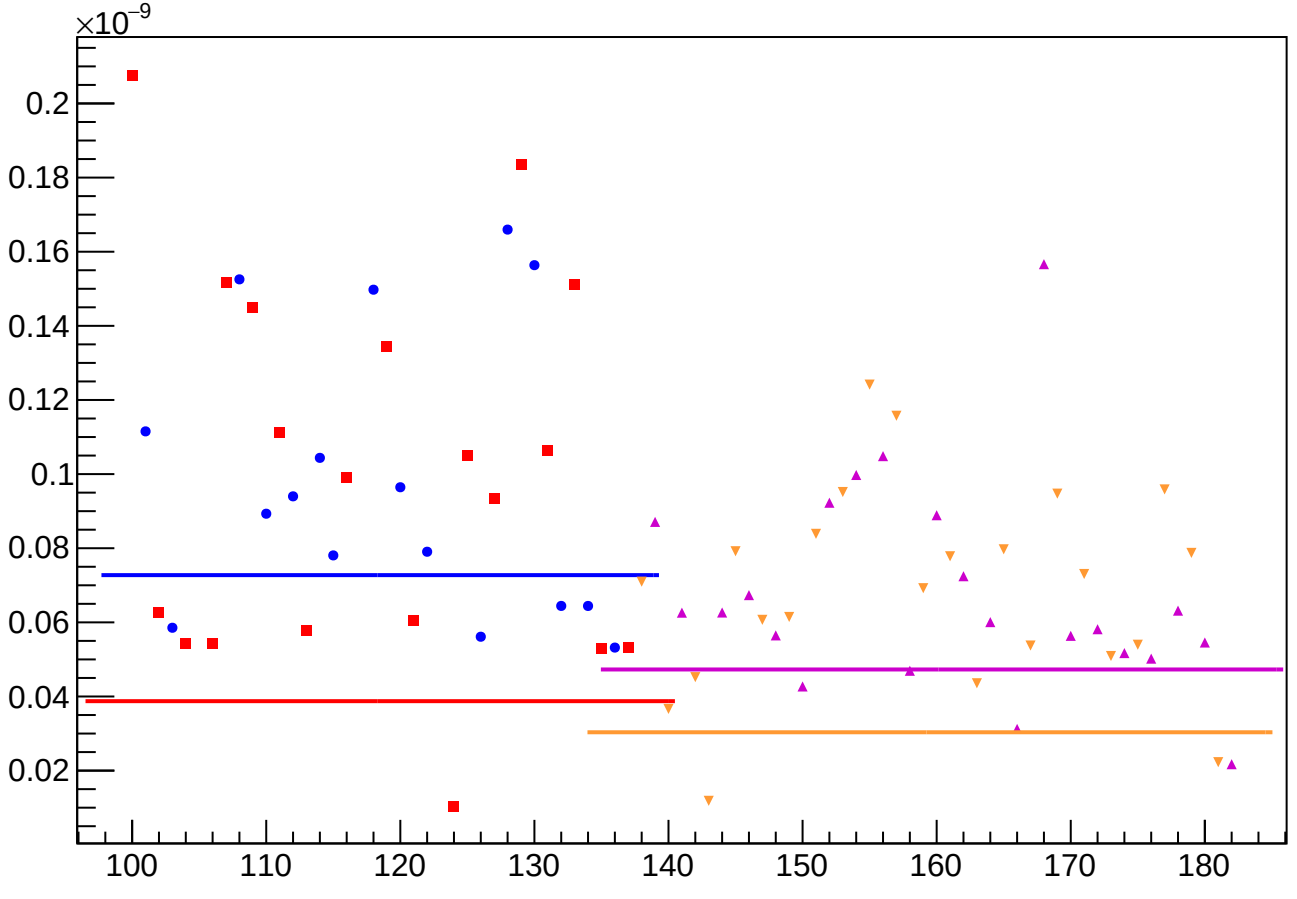
Left: -0.000+/-0.000 χ^2/NDF: 32.1/44

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

In: -0.000+/-0.000 χ^2/NDF:26.9/37

Out: -0.000+/-0.000 χ^2/NDF:49.9/41

All: -0.000+/-0.000 χ^2/NDF: 78.3/79



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10495730.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:4671400.7/21

Left: 0.000+/-0.000 χ^2/NDF: 16800187.6/44

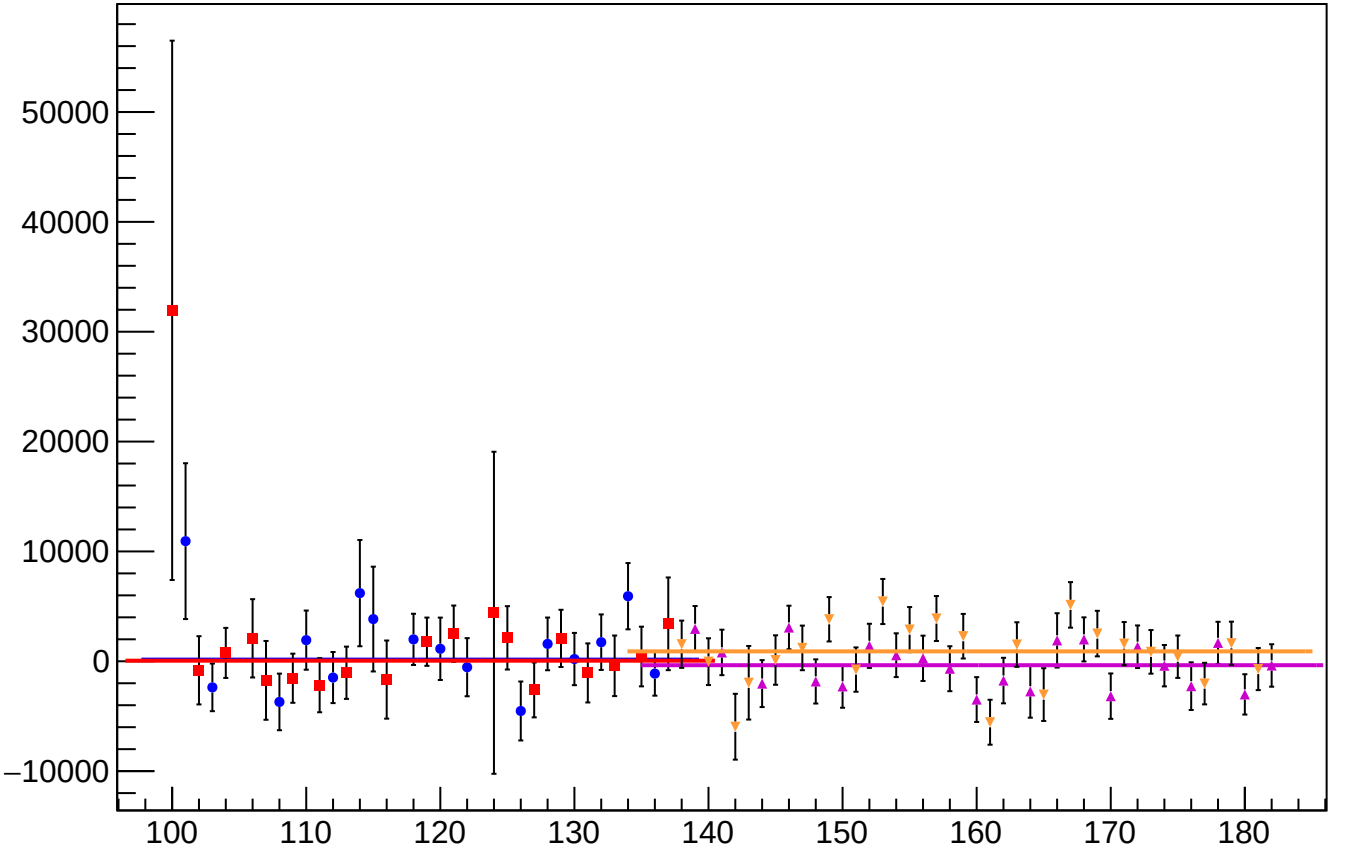
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:6604543.5/37

Out: 0.000+/-0.000 χ^2/NDF:14943730.6/41

All: 0.000+/-0.000 χ^2/NDF: 23981720.1/79

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 902.180+/-437.054 χ^2/NDF:38.5/22

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -358.268+/-433.804 χ^2/NDF:21.7/21

Left: 267.252+/-307.889 χ^2/NDF: 64.4/44

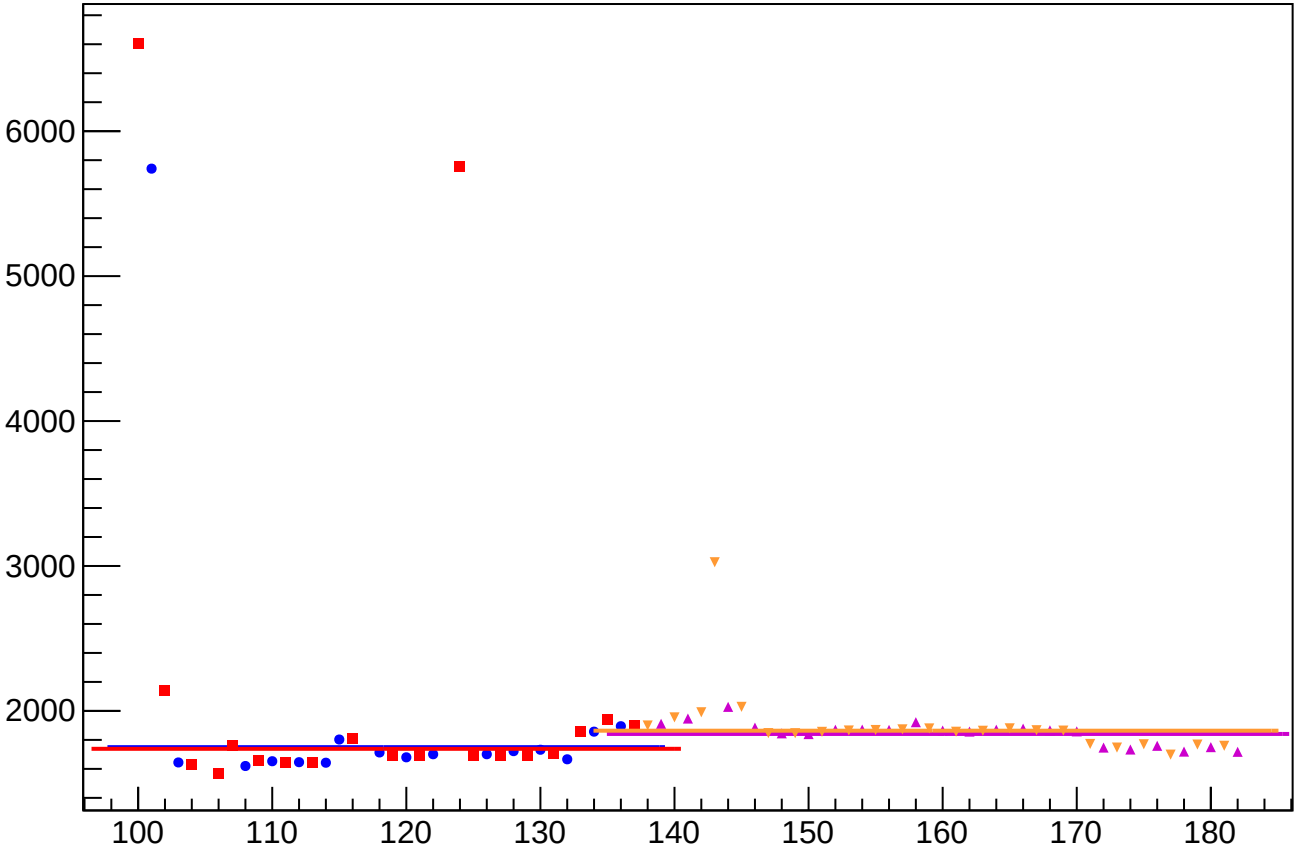
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -206.977+/-363.662 χ^2/NDF:39.8/37

Out: 641.060+/-363.597 χ^2/NDF:48.6/41

All: 217.117+/-257.125 χ^2/NDF: 91.1/79

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1863.463+/-0.309 χ^2/NDF:301823.8/22

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1841.031+/-0.307 χ^2/NDF:64945.2/21

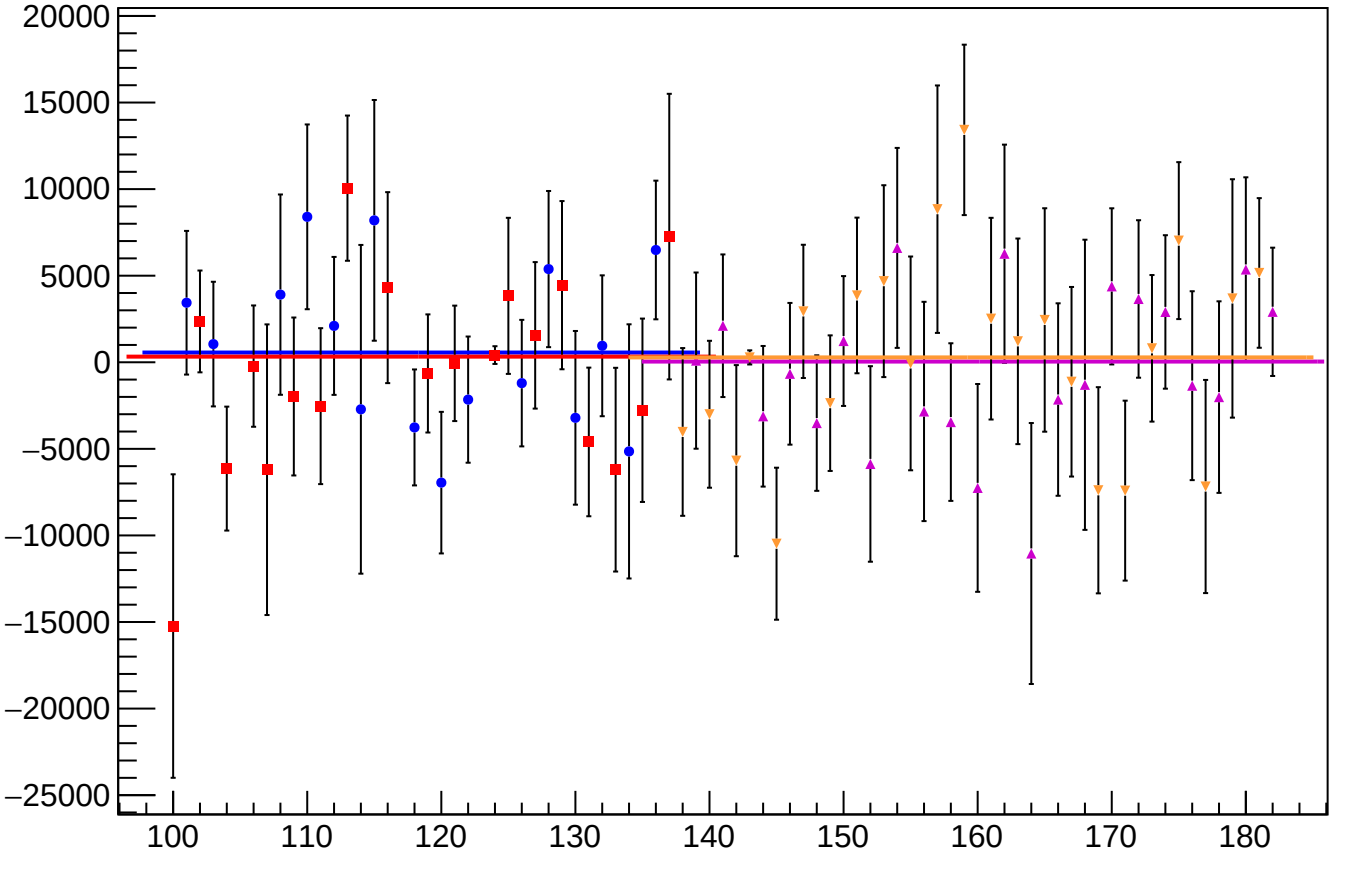
Left: 1852.163+/-0.218 χ^2/NDF: 369423.0/44

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1813.932+/-0.257 χ^2/NDF:760776.3/37

Out: 1824.592+/-0.257 χ^2/NDF:657178.4/41

All: 1819.275+/-0.182 χ^2/NDF: 1418816.0/79



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 280.881+/-382.189 χ^2/NDF:28.8/22

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: 40.552+/-1037.505 χ^2/NDF:13.6/21

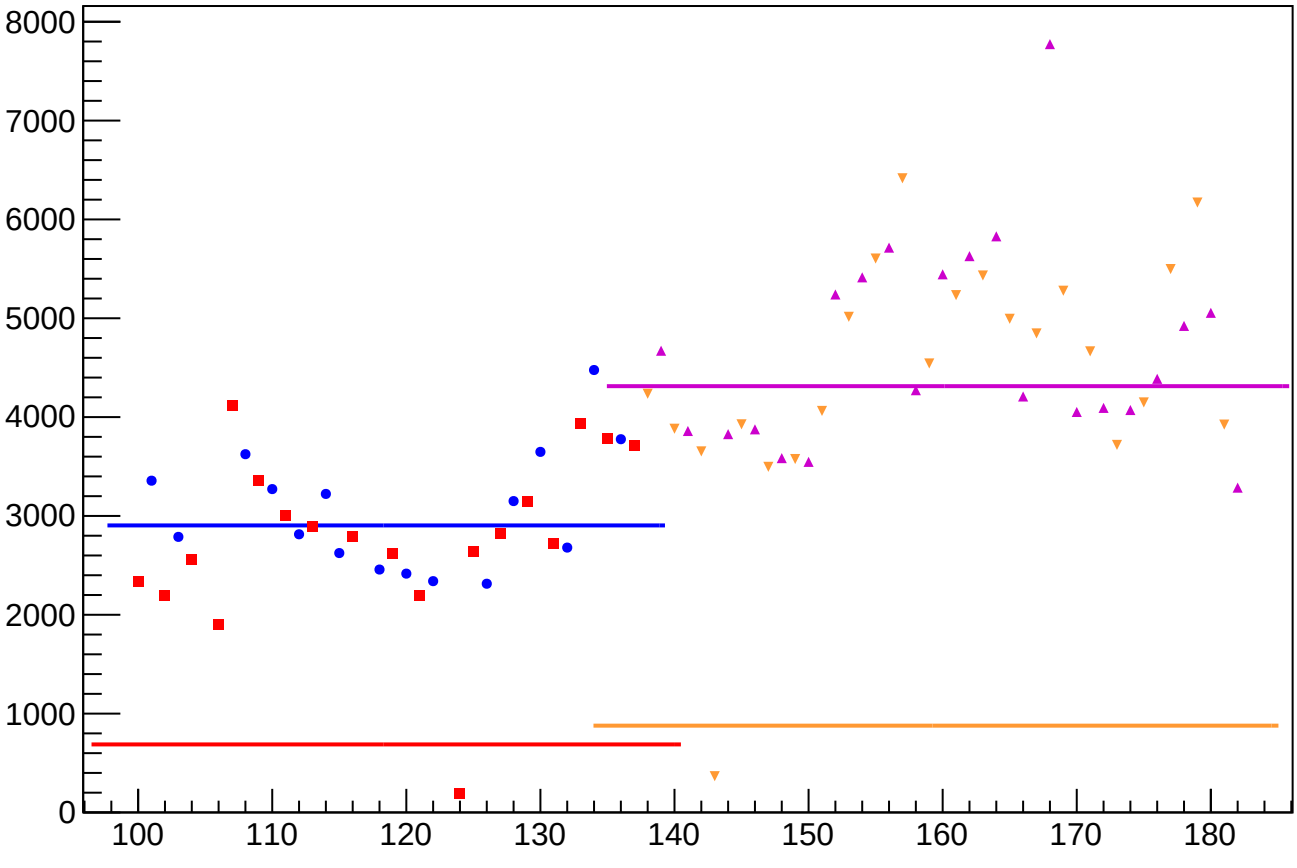
Left: 252.165+/-358.630 χ^2/NDF: 42.4/44

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 285.928+/-755.129 χ^2/NDF:28.5/37

Out: 299.227+/-293.427 χ^2/NDF:48.0/41

All: 297.482+/-273.504 χ^2/NDF: 76.5/79



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 878.267+/-0.270 χ^2/NDF:25598326.9/22

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4313.031+/-0.734 χ^2/NDF:1278659.7/21

Left: 1288.669+/-0.254 χ^2/NDF: 46178021.3/44

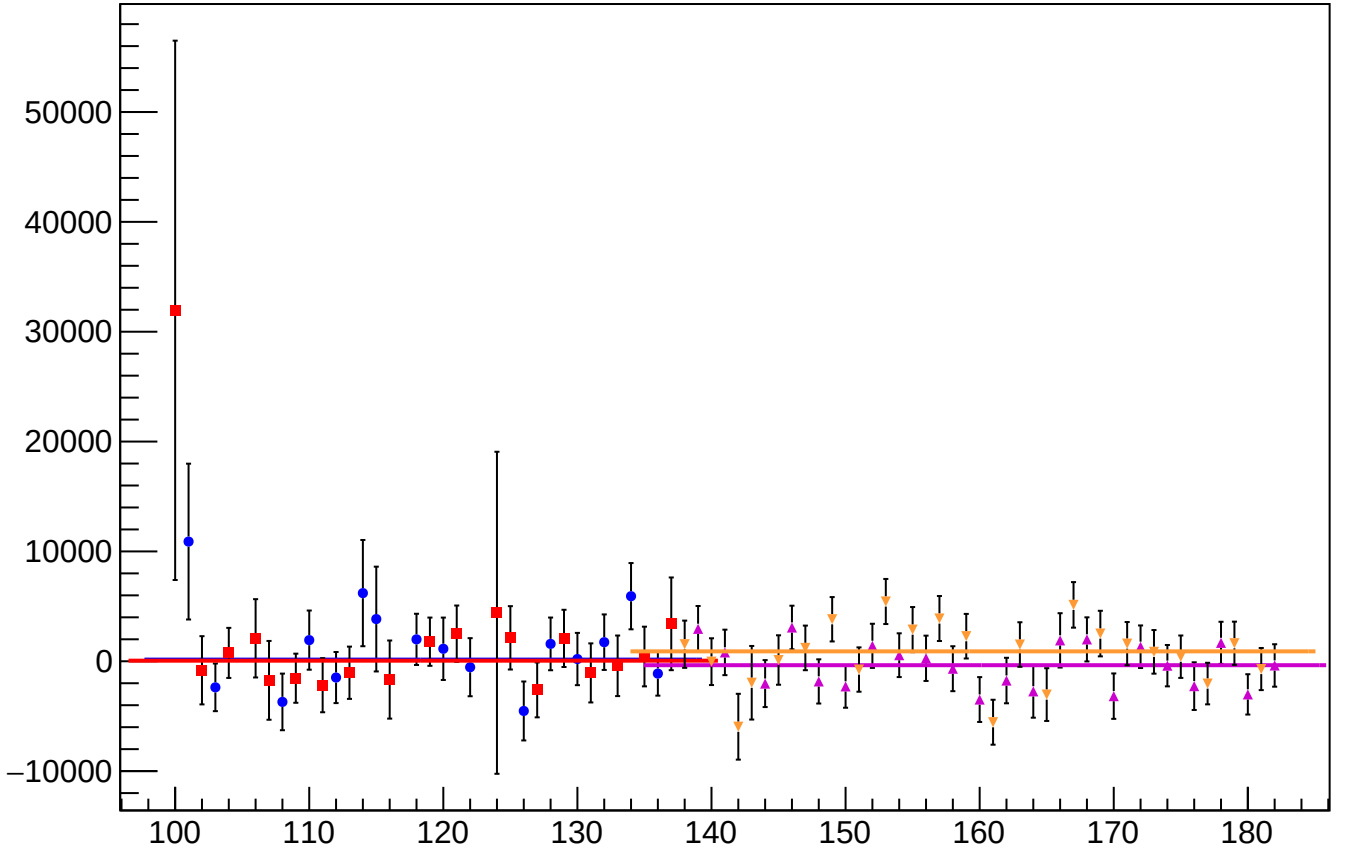
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3650.446+/-0.534 χ^2/NDF:3493009.8/37

Out: 800.283+/-0.207 χ^2/NDF:35950061.6/41

All: 1174.184+/-0.193 χ^2/NDF: 64197587.8/7

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 902.163+/-437.054 χ^2/NDF:38.5/22

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -358.202+/-433.804 χ^2/NDF:21.7/21

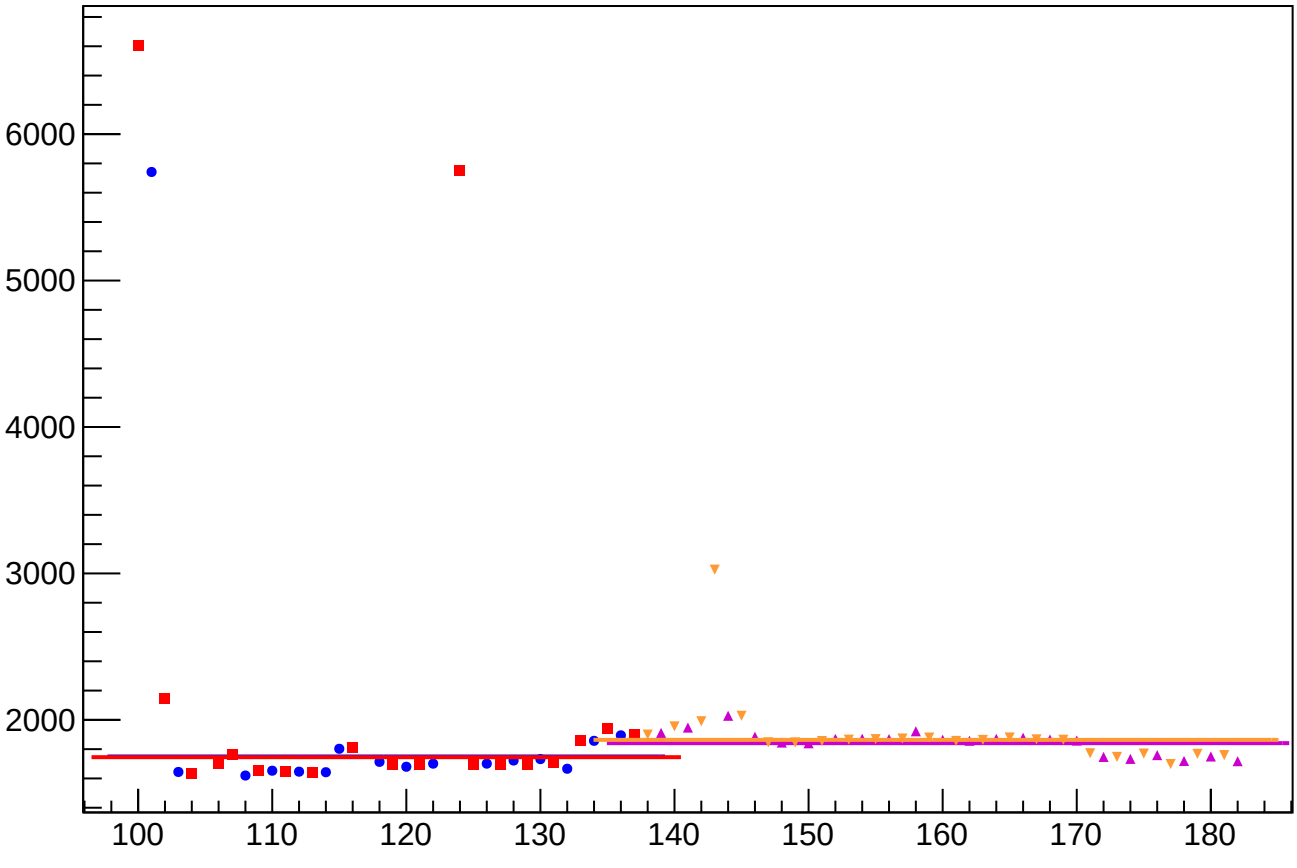
Left: 267.277+/-307.889 χ^2/NDF: 64.4/44

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -207.069+/-363.662 χ^2/NDF:39.7/37

Out: 641.064+/-363.597 χ^2/NDF:48.6/41

All: 217.073+/-257.125 χ^2/NDF: 91.1/79



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1863.463+/-0.309 χ^2/NDF:301823.8/22

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1841.031+/-0.307 χ^2/NDF:64945.2/21

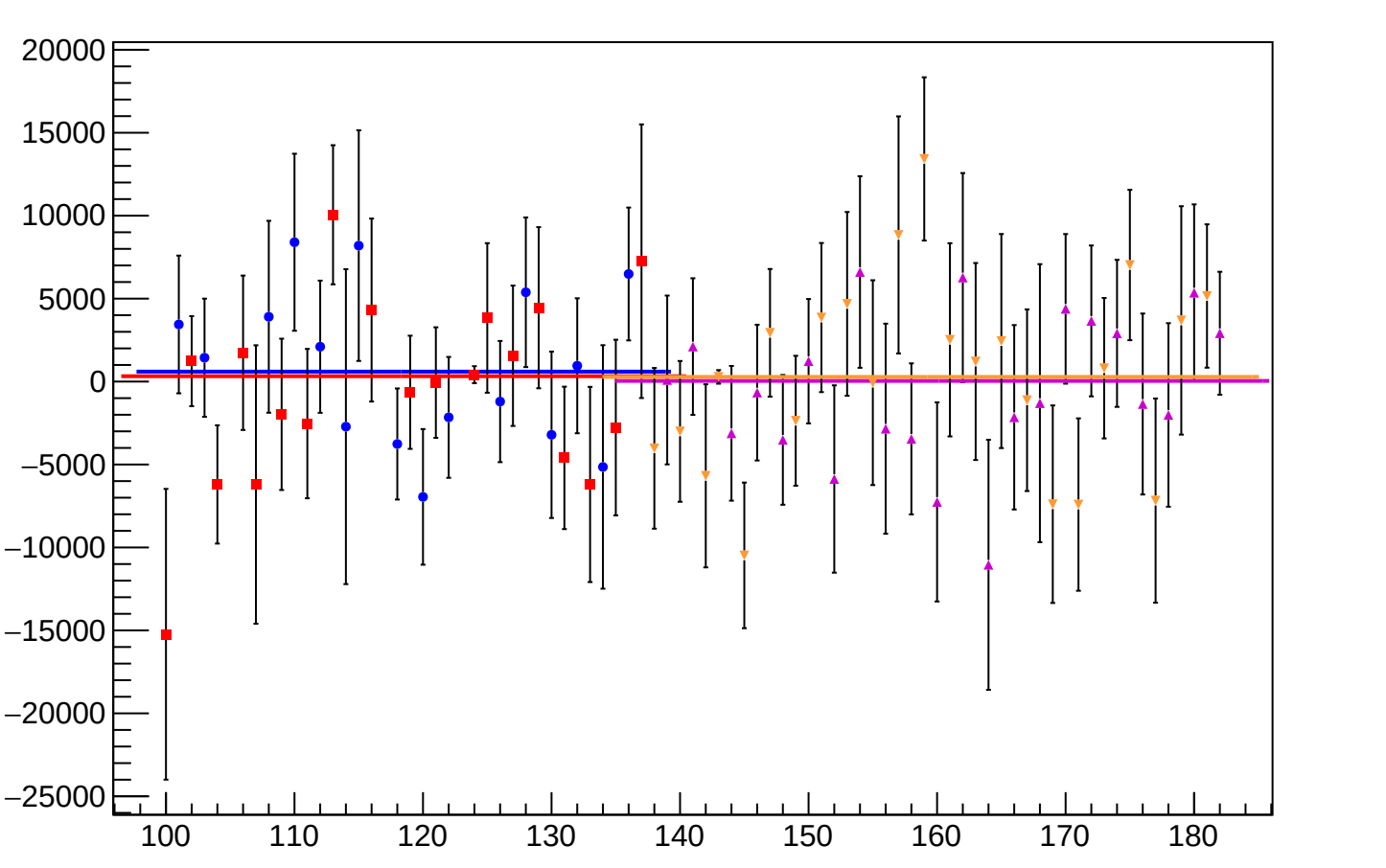
Left: 1852.163+/-0.218 χ^2/NDF: 369422.9/44

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1813.932+/-0.257 χ^2/NDF:760776.7/37

Out: 1826.857+/-0.257 χ^2/NDF:645133.8/41

All: 1820.403+/-0.182 χ^2/NDF: 1407175.3/79



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 281.793+/-382.218 χ^2/NDF:28.8/22

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 40.469+/-1037.503 χ^2/NDF:13.6/21

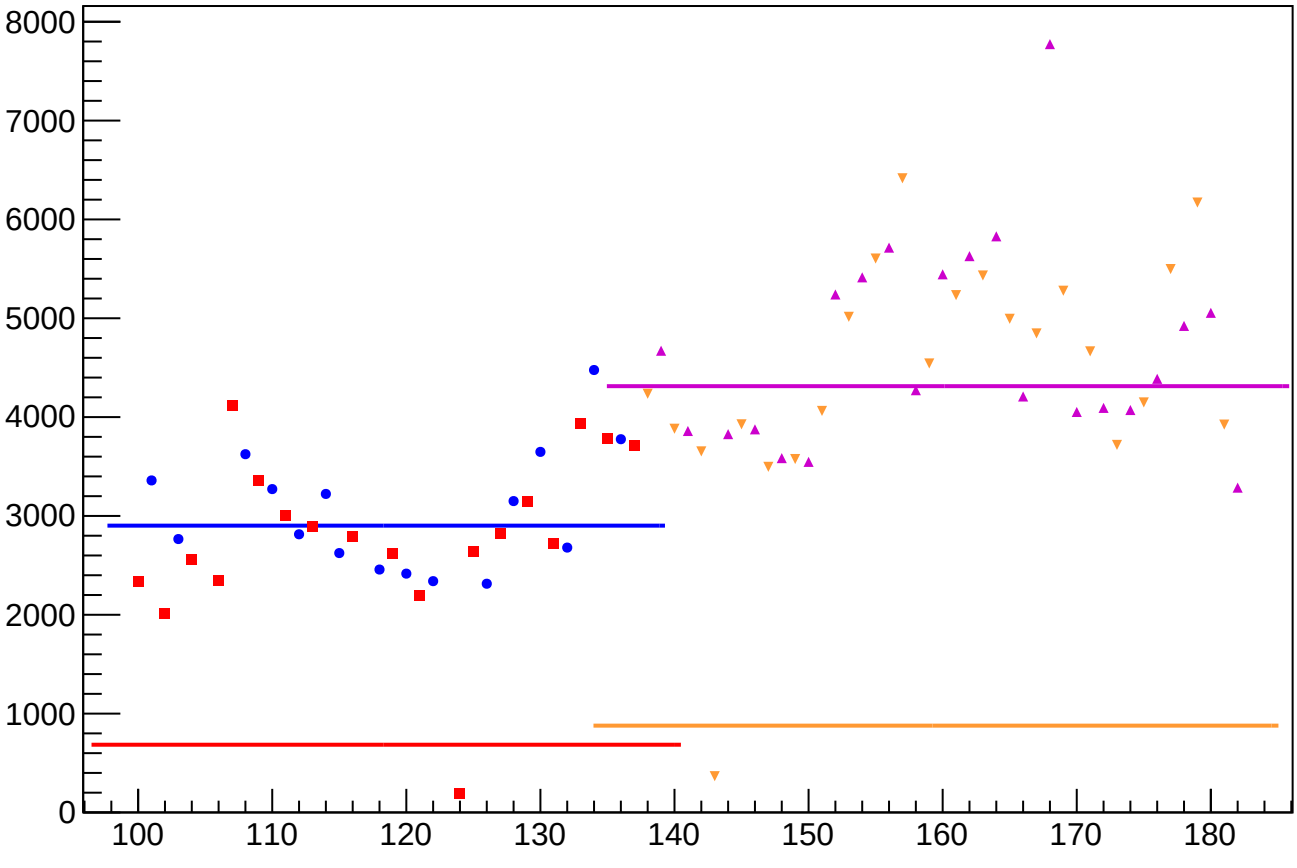
Left: 252.955+/-358.654 χ^2/NDF: 42.4/44

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 303.952+/-754.793 χ^2/NDF:28.6/37

Out: 298.740+/-293.681 χ^2/NDF:47.8/41

All: 299.425+/-273.693 χ^2/NDF: 76.3/79



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 878.382+/-0.270 χ^2/NDF:25597277.5/22

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4313.023+/-0.734 χ^2/NDF:1278666.7/21

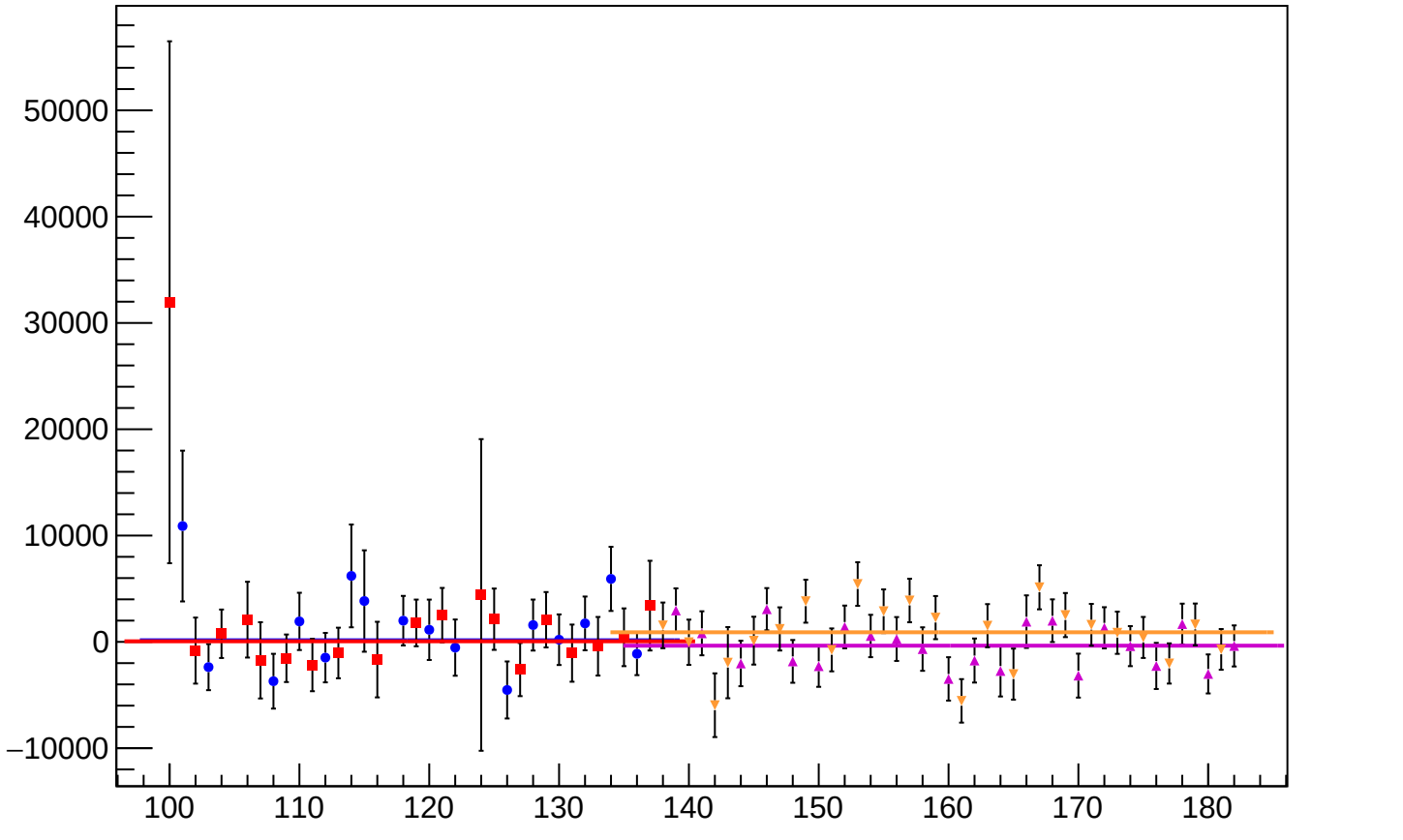
Left: 1288.826+/-0.254 χ^2/NDF: 46175298.3/44

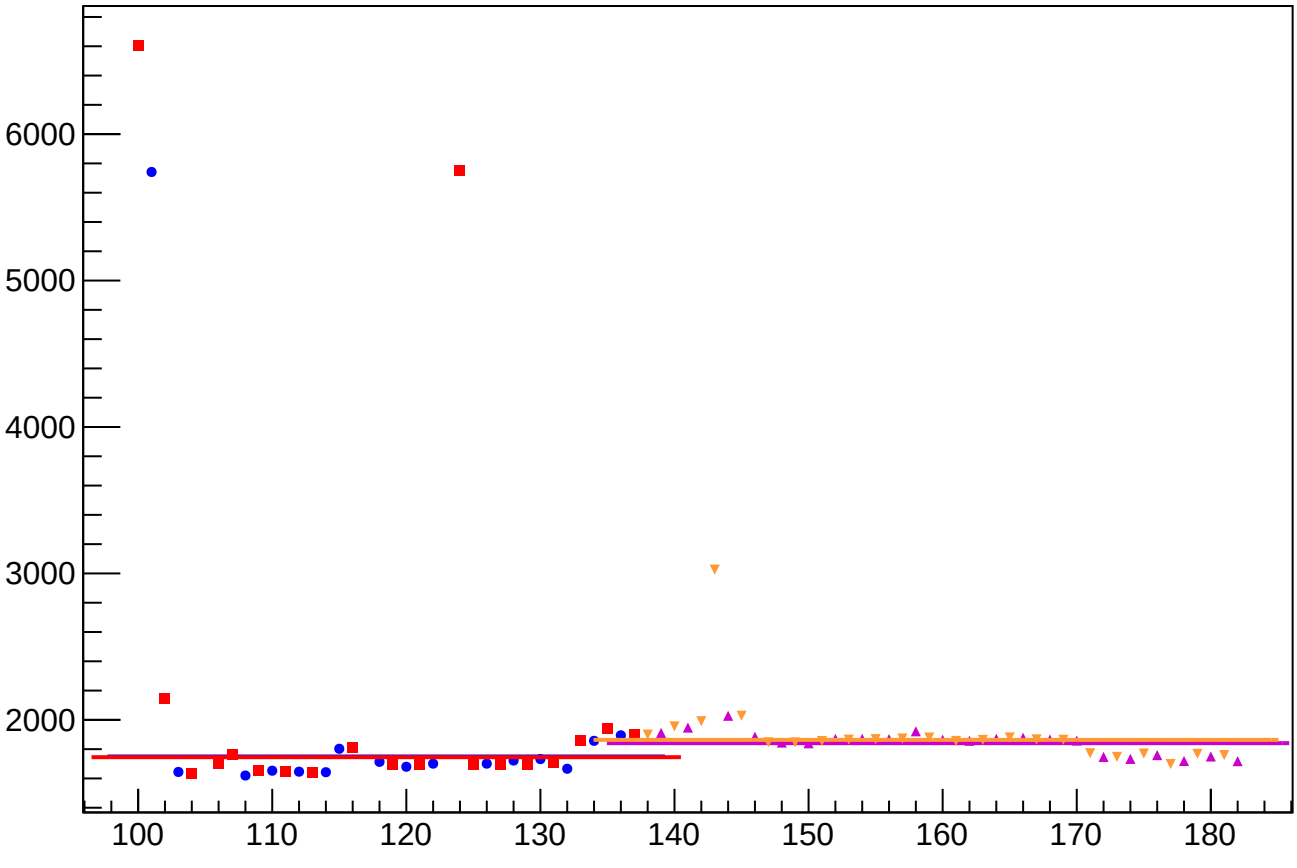
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3648.747+/-0.534 χ^2/NDF:3501313.3/37

Out: 799.273+/-0.208 χ^2/NDF:35912231.2/41

All: 1173.933+/-0.194 χ^2/NDF: 64169585.2/7


eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: 150.254+/-667.029 χ²/NDF: 17.6/15
Left Out: 902.163+/-437.054 χ²/NDF:38.5/22
Right Out: 54.158+/-655.266 χ²/NDF: 9.0/18
Left In: -358.202+/-433.804 χ²/NDF:21.7/21
Left: 267.277+/-307.889 χ²/NDF: 64.4/44
Right: 101.351+/-467.446 χ²/NDF: 26.6/34
In: -207.069+/-363.662 χ²/NDF:39.7/37
Out: 641.064+/-363.597 χ²/NDF:48.6/41
All: 217.073+/-257.125 χ²/NDF: 91.1/79



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1863.463+/-0.309 χ^2/NDF:301823.8/22

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1841.031+/-0.307 χ^2/NDF:64945.2/21

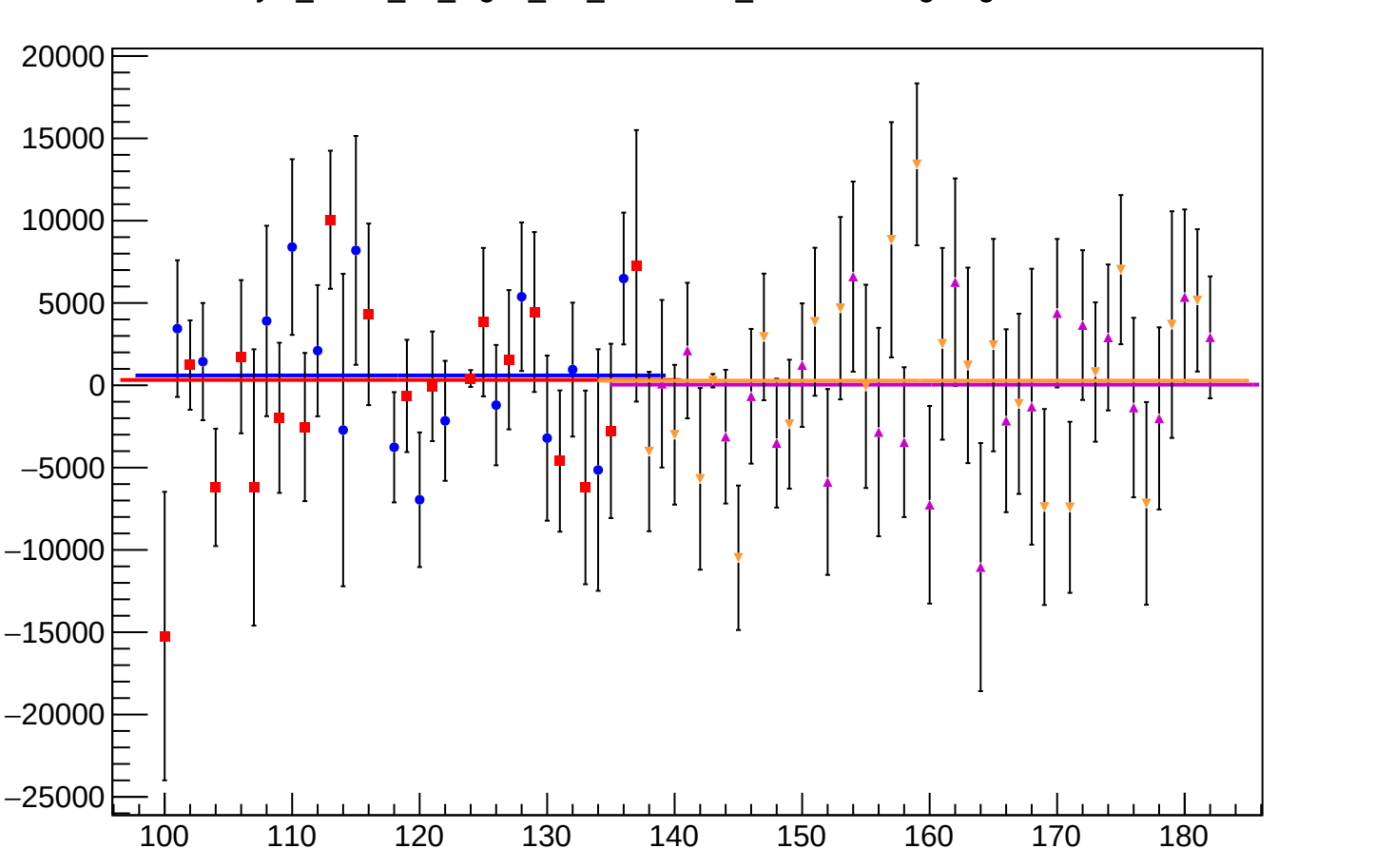
Left: 1852.163+/-0.218 χ^2/NDF: 369422.9/44

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1813.932+/-0.257 χ^2/NDF:760776.7/37

Out: 1826.857+/-0.257 χ^2/NDF:645133.8/41

All: 1820.403+/-0.182 χ^2/NDF: 1407175.3/79



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 281.793+/-382.218 χ^2/NDF:28.8/22

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 40.469+/-1037.503 χ^2/NDF:13.6/21

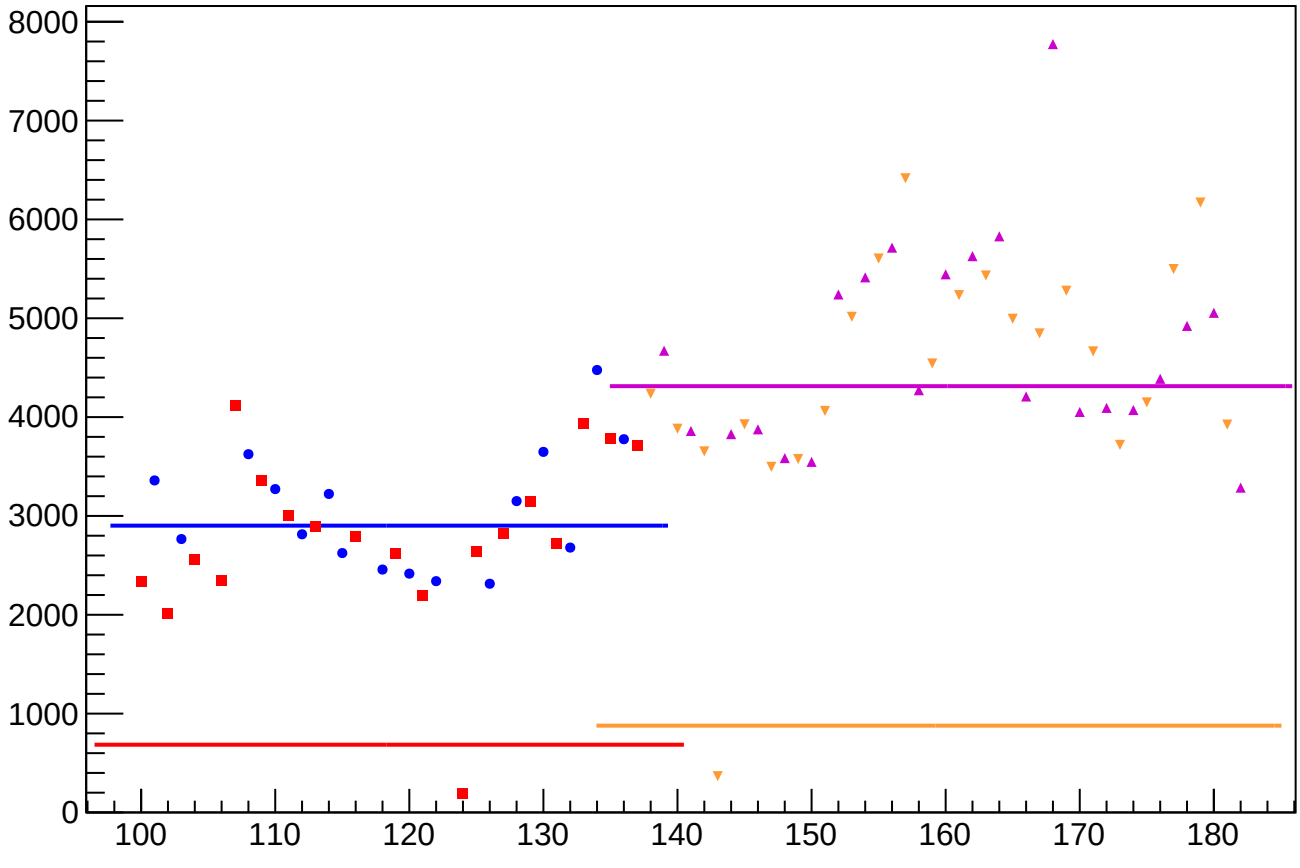
Left: 252.955+/-358.654 χ^2/NDF: 42.4/44

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 303.952+/-754.793 χ^2/NDF:28.6/37

Out: 298.740+/-293.681 χ^2/NDF:47.8/41

All: 299.425+/-273.693 χ^2/NDF: 76.3/79



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 878.382+/-0.270 χ^2/NDF:25597277.5/22

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4313.023+/-0.734 χ^2/NDF:1278666.7/21

Left: 1288.826+/-0.254 χ^2/NDF: 46175298.3/44

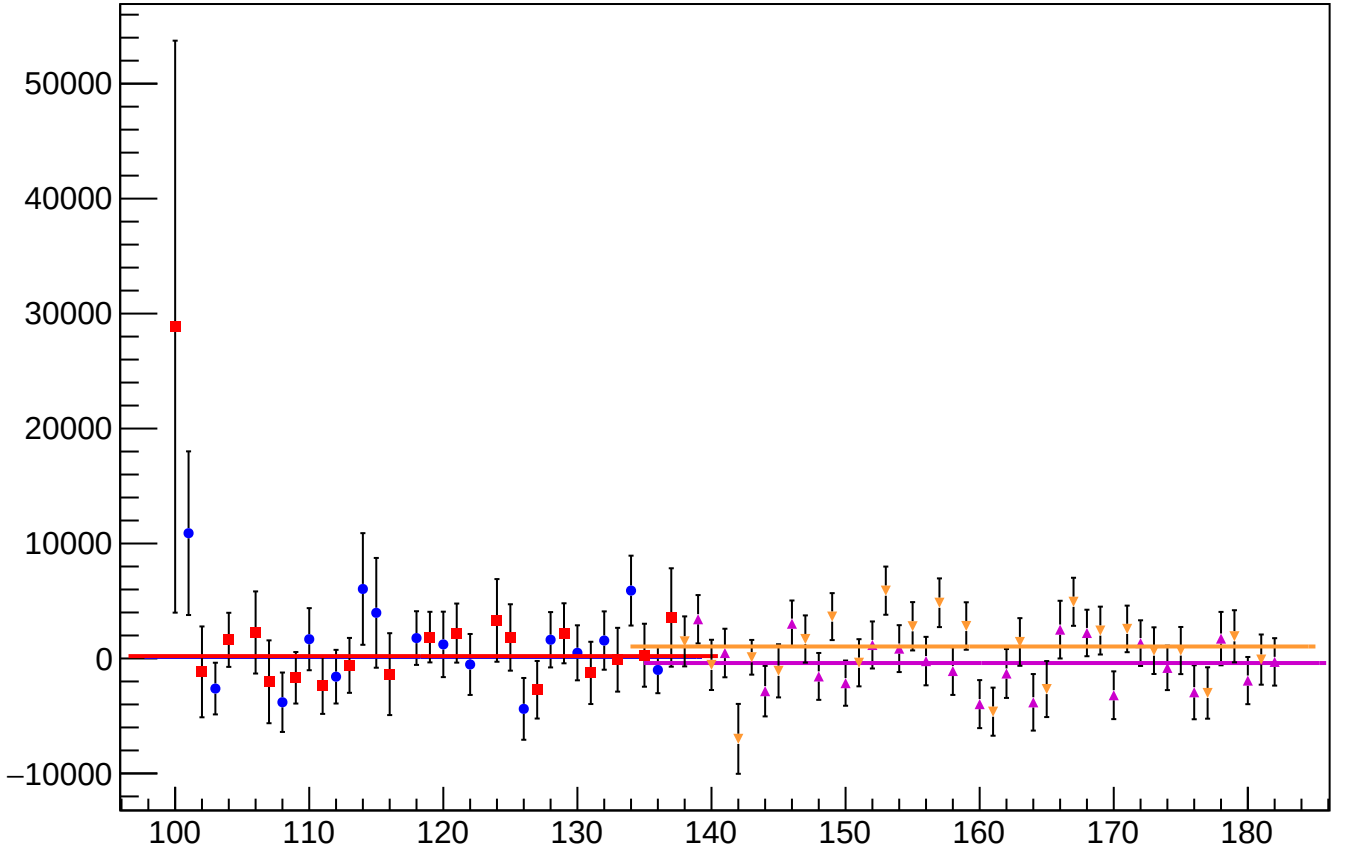
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3648.747+/-0.534 χ^2/NDF:3501313.3/37

Out: 799.273+/-0.208 χ^2/NDF:35912231.2/41

All: 1173.933+/-0.194 χ^2/NDF: 64169585.2/7

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1041.761+/-438.564 χ^2/NDF:39.0/22

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -396.598+/-449.524 χ^2/NDF:23.0/21

Left: 340.330+/-313.915 χ^2/NDF: 67.2/44

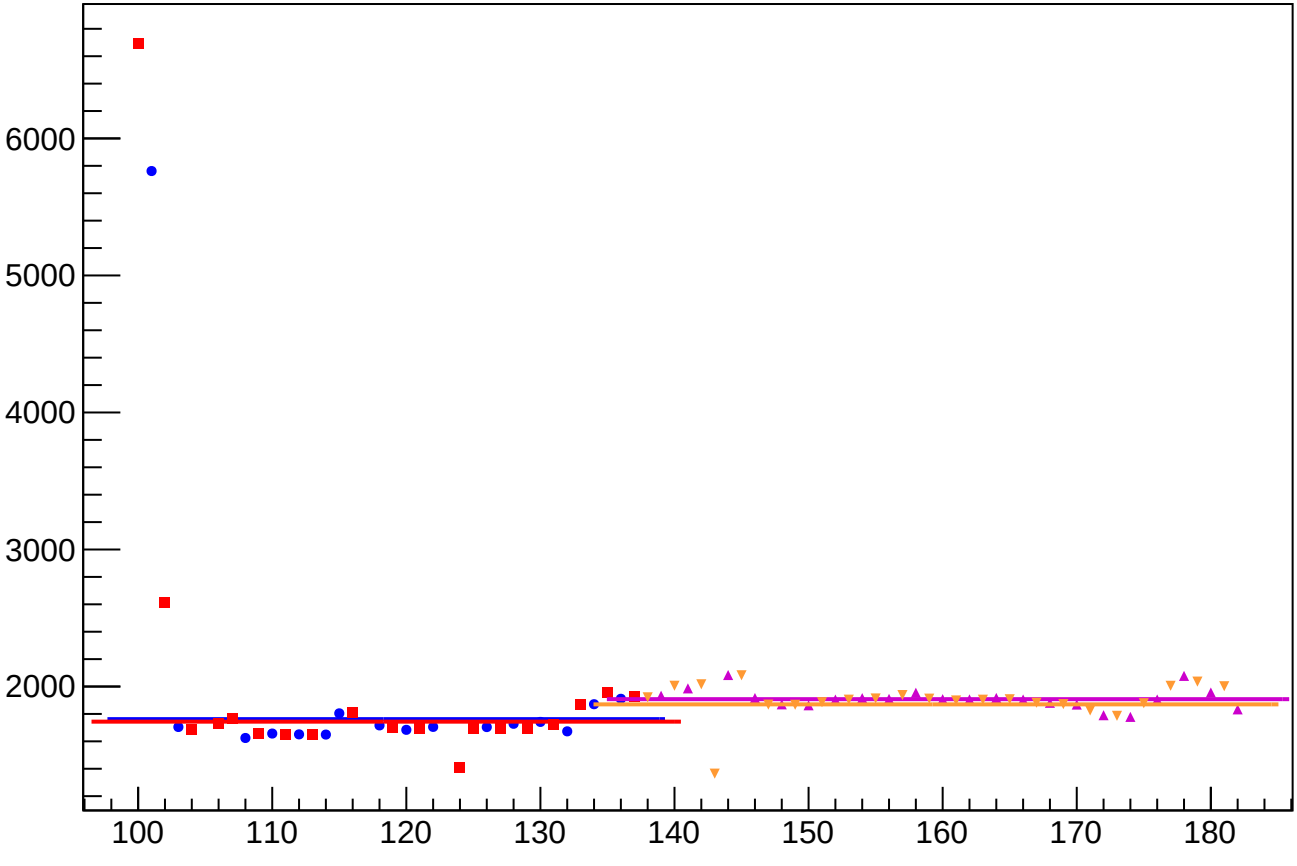
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -232.491+/-373.570 χ^2/NDF:40.7/37

Out: 782.576+/-364.323 χ^2/NDF:49.8/41

All: 287.760+/-260.823 χ^2/NDF: 94.3/79

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1869.847+/-0.310 χ^2/NDF:290197.0/22

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1907.842+/-0.318 χ^2/NDF:50153.6/21

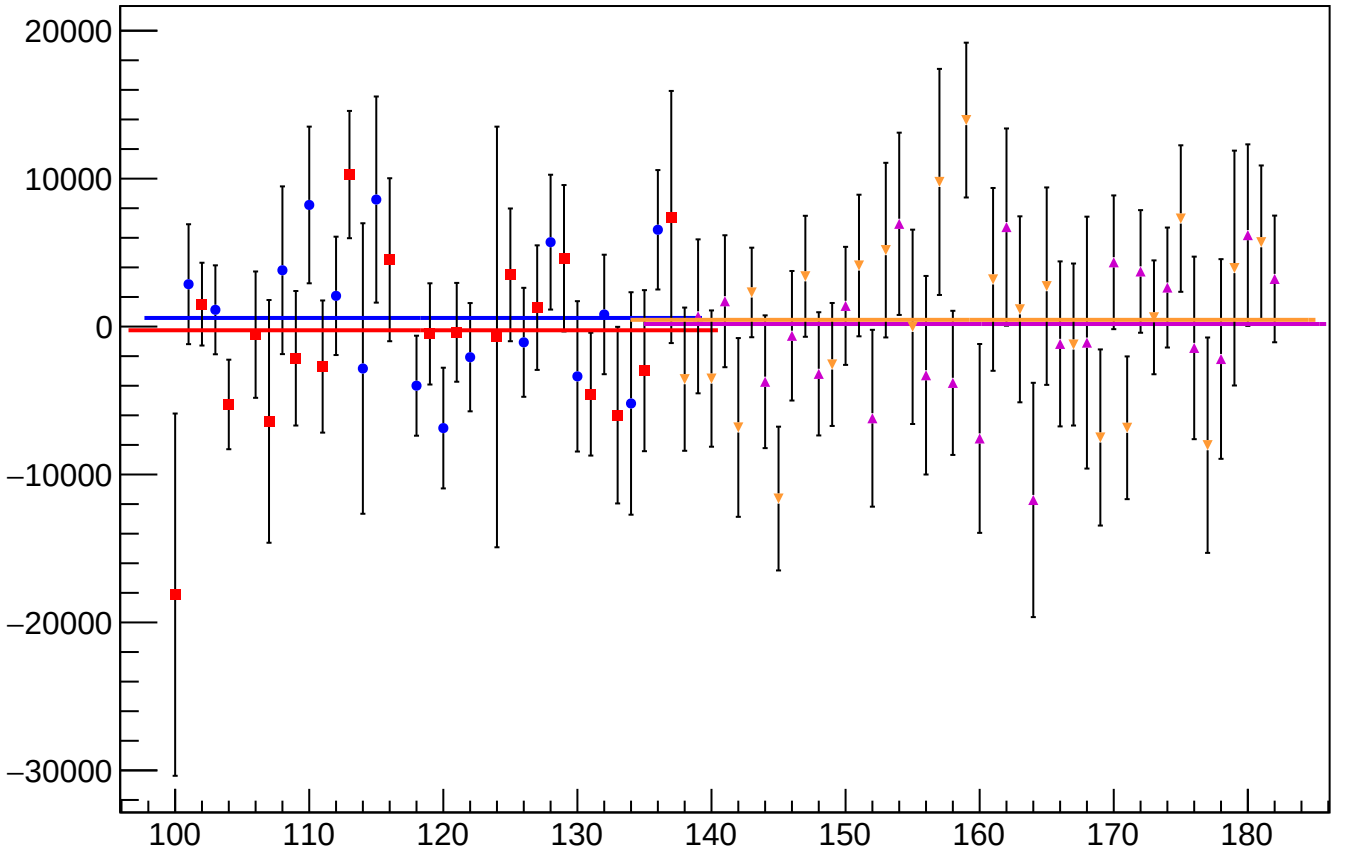
Left: 1888.376+/-0.222 χ^2/NDF: 347671.2/44

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1862.737+/-0.264 χ^2/NDF:782934.6/37

Out: 1830.604+/-0.257 χ^2/NDF:569424.0/41

All: 1846.254+/-0.184 χ^2/NDF: 1359949.3/79



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 455.452+/-1057.495 χ^2/NDF:28.8/22

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: 172.943+/-1094.725 χ^2/NDF:13.3/21

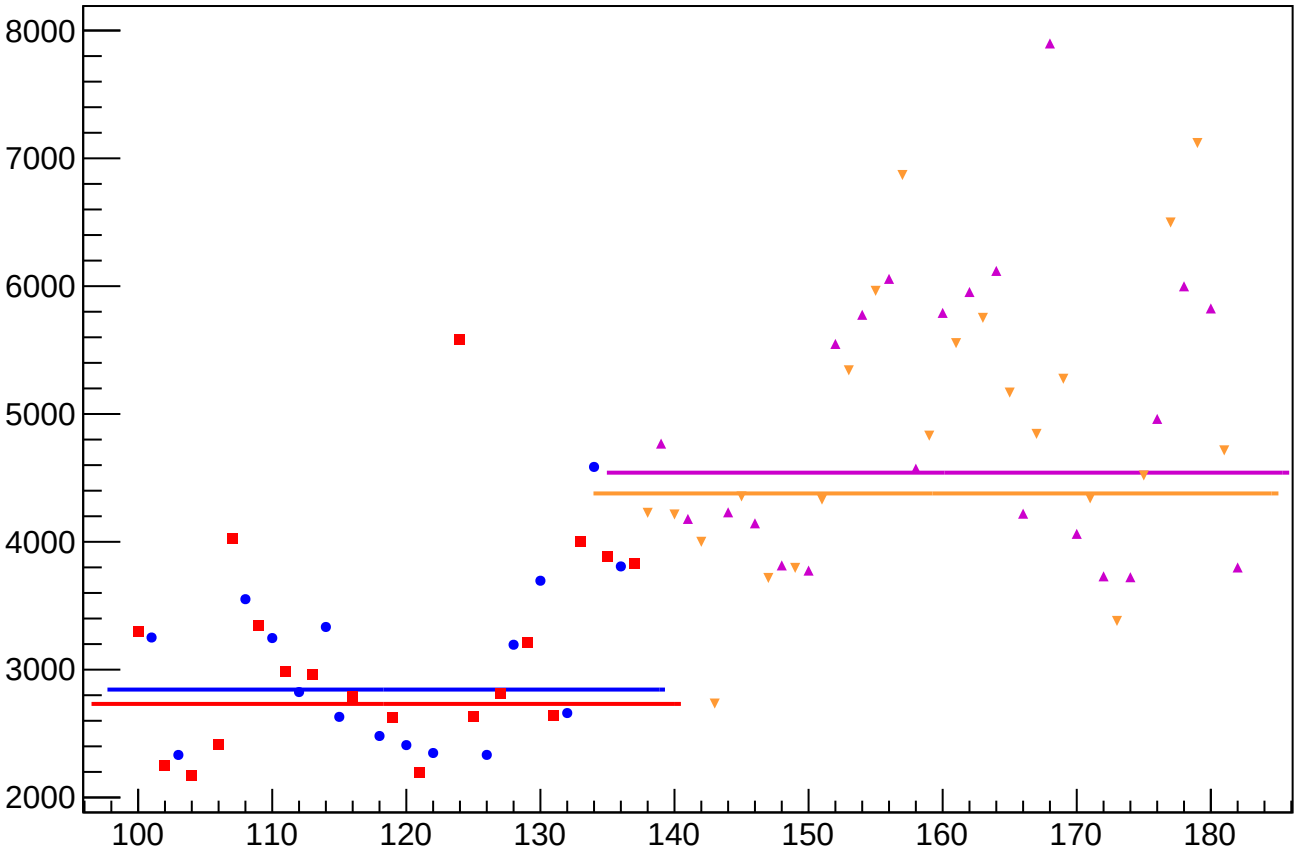
Left: 319.083+/-760.583 χ^2/NDF: 42.2/44

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 380.074+/-769.362 χ^2/NDF:28.3/37

Out: 90.231+/-734.524 χ^2/NDF:47.0/41

All: 228.442+/-531.276 χ^2/NDF: 75.3/79



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4378.519+/-0.748 χ^2/NDF:1899466.9/22

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4541.025+/-0.774 χ^2/NDF:1411063.1/21

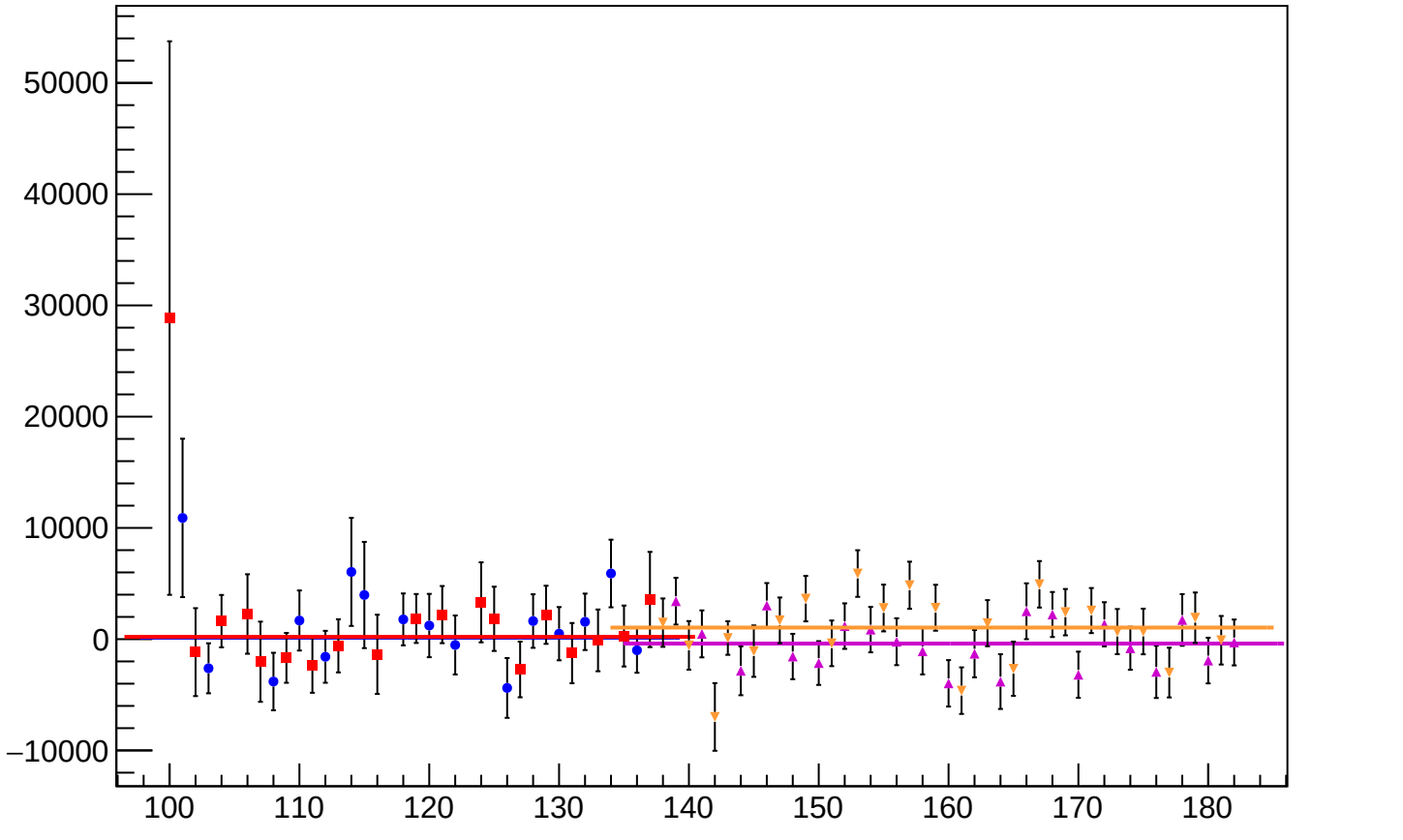
Left: 4456.962+/-0.538 χ^2/NDF: 3333328.1/44

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3682.262+/-0.544 χ^2/NDF:4384976.9/37

Out: 3526.356+/-0.519 χ^2/NDF:5020132.6/41

All: 3600.700+/-0.376 χ^2/NDF: 9448075.2/79



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1041.763+/-438.564 χ^2/NDF:39.0/22

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: -396.599+/-449.524 χ^2/NDF:23.0/21

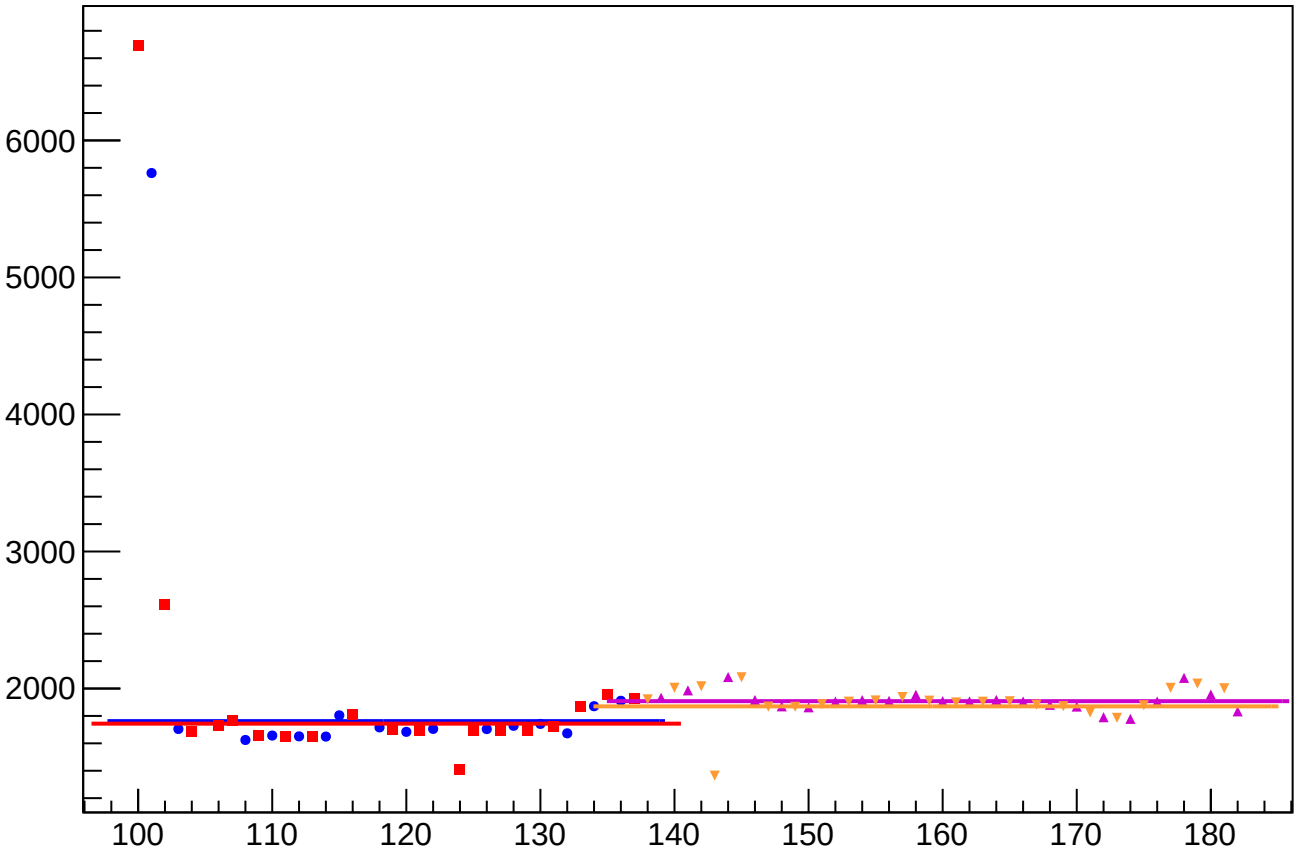
Left: 340.331+/-313.915 χ^2/NDF: 67.2/44

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -232.491+/-373.570 χ^2/NDF:40.7/37

Out: 782.576+/-364.324 χ^2/NDF:49.8/41

All: 287.760+/-260.823 χ^2/NDF: 94.3/79



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1869.848+/-0.310 χ^2/NDF:290200.4/22

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1907.843+/-0.318 χ^2/NDF:50155.9/21

Left: 1888.377+/-0.222 χ^2/NDF: 347677.0/44

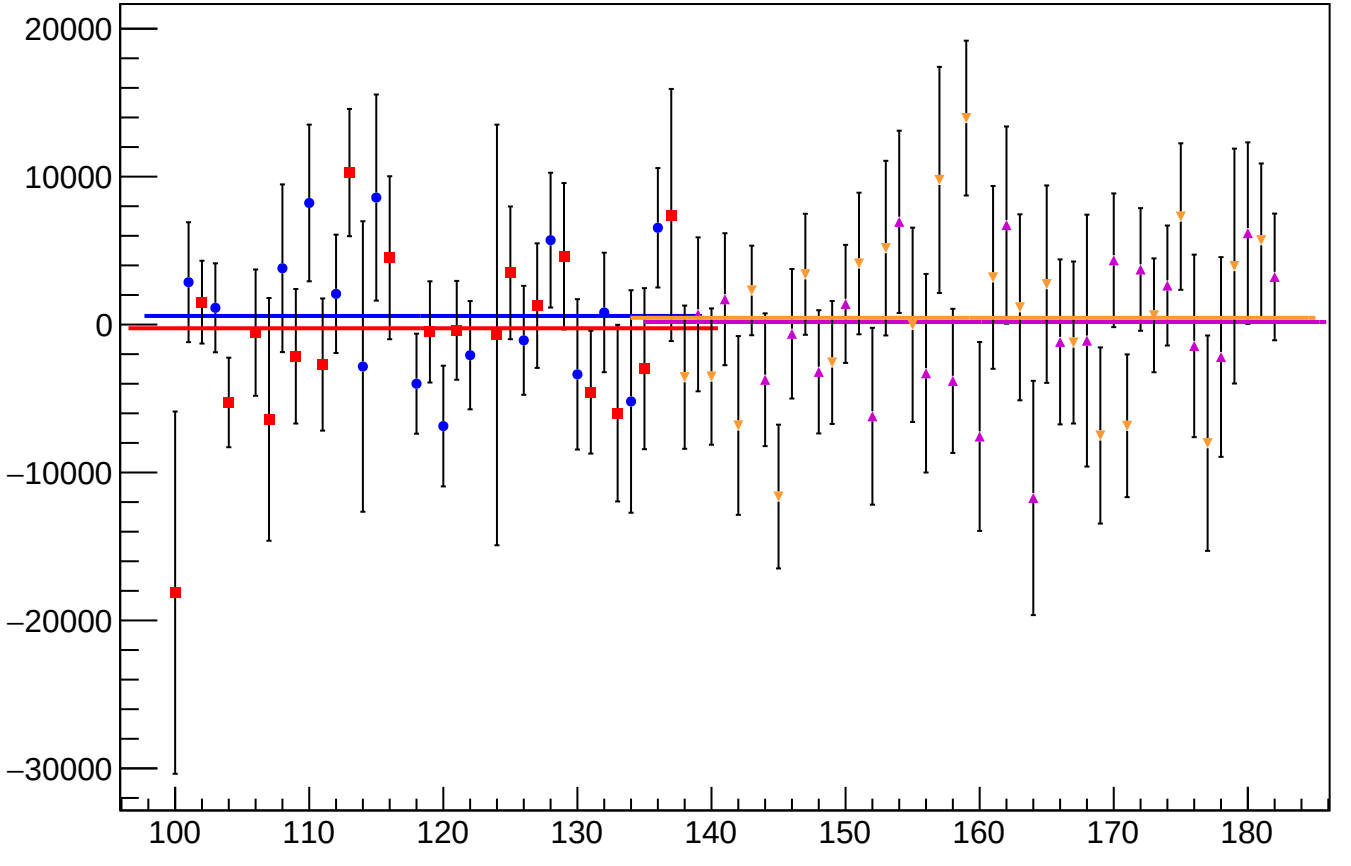
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1862.738+/-0.264 χ^2/NDF:782937.8/37

Out: 1830.605+/-0.257 χ^2/NDF:569428.3/41

All: 1846.255+/-0.184 χ^2/NDF: 1359956.8/79

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: 455.455+/-1057.497 χ^2/NDF:28.8/22

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: 172.943+/-1094.727 χ^2/NDF:13.3/21

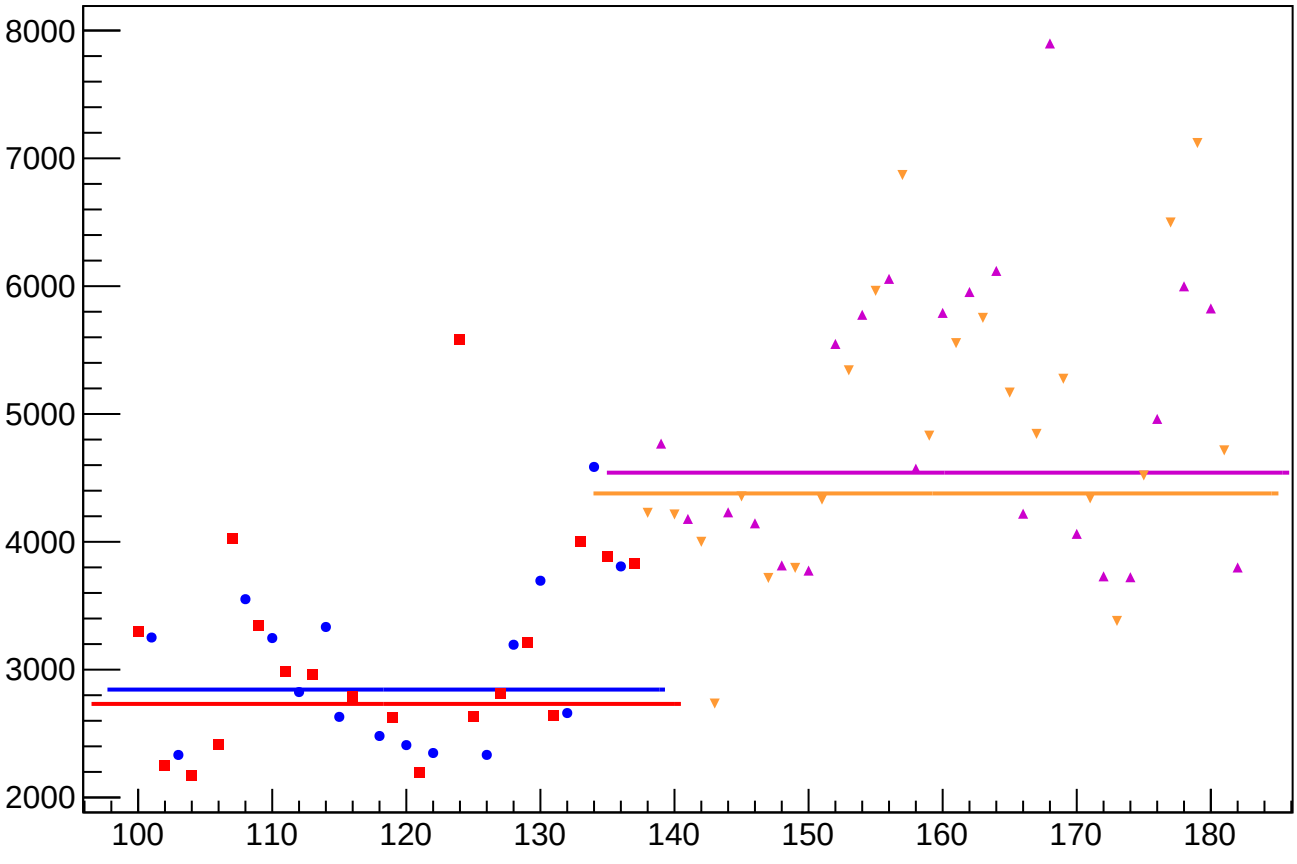
Left: 319.085+/-760.585 χ^2/NDF: 42.2/44

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 380.072+/-769.362 χ^2/NDF:28.3/37

Out: 90.231+/-734.524 χ^2/NDF:47.0/41

All: 228.441+/-531.276 χ^2/NDF: 75.3/79



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4378.526+/-0.748 χ^2/NDF:1899471.6/22

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4541.033+/-0.774 χ^2/NDF:1411064.3/21

Left: 4456.969+/-0.538 χ^2/NDF: 3333334.2/44

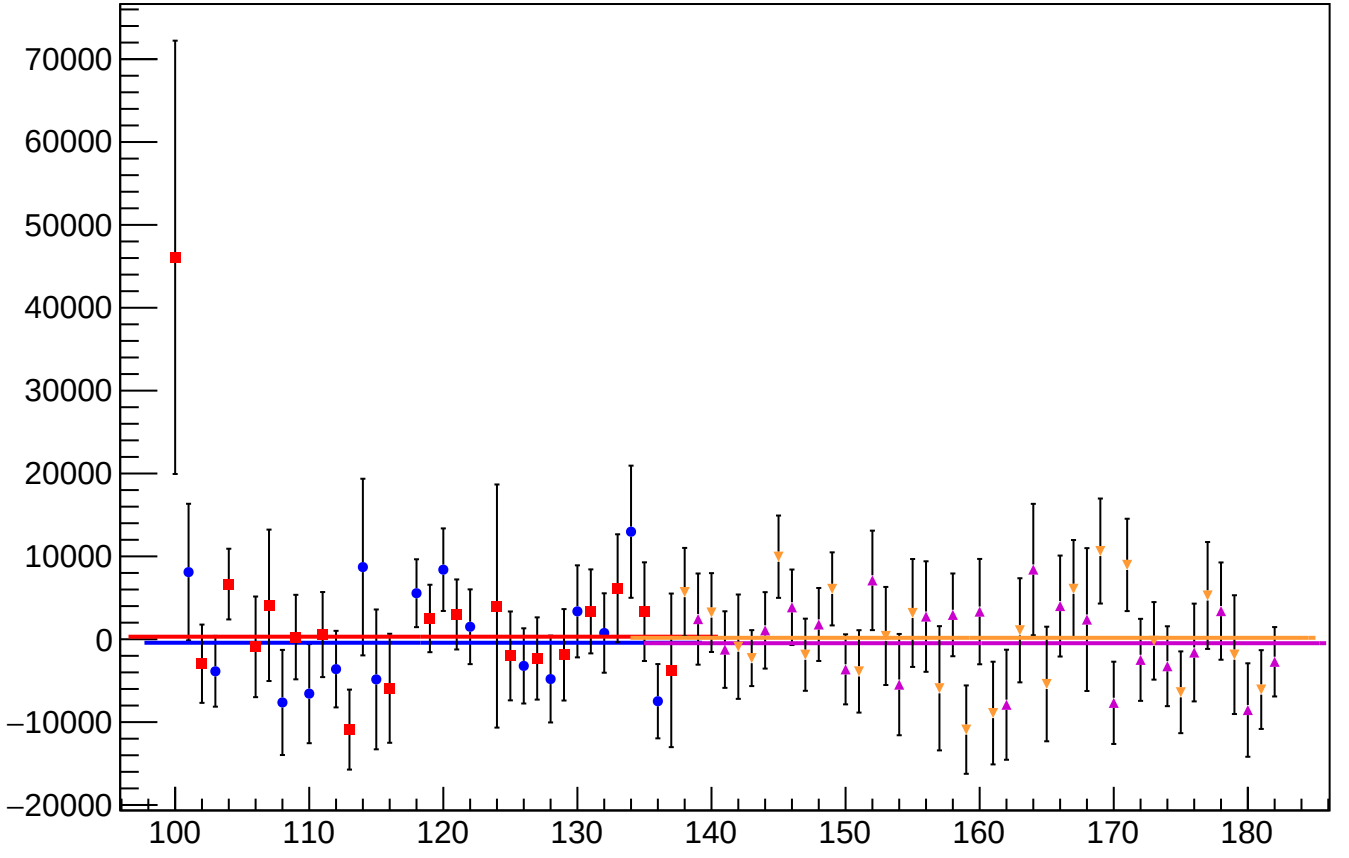
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3682.259+/-0.544 χ^2/NDF:4385027.8/37

Out: 3526.354+/-0.519 χ^2/NDF:5020173.5/41

All: 3600.696+/-0.376 χ^2/NDF: 9448166.6/79

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 172.125+/-1107.390 χ^2/NDF:27.0/22

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: -477.717+/-1136.484 χ^2/NDF:14.0/21

Left: -144.371+/-793.129 χ^2/NDF: 41.2/44

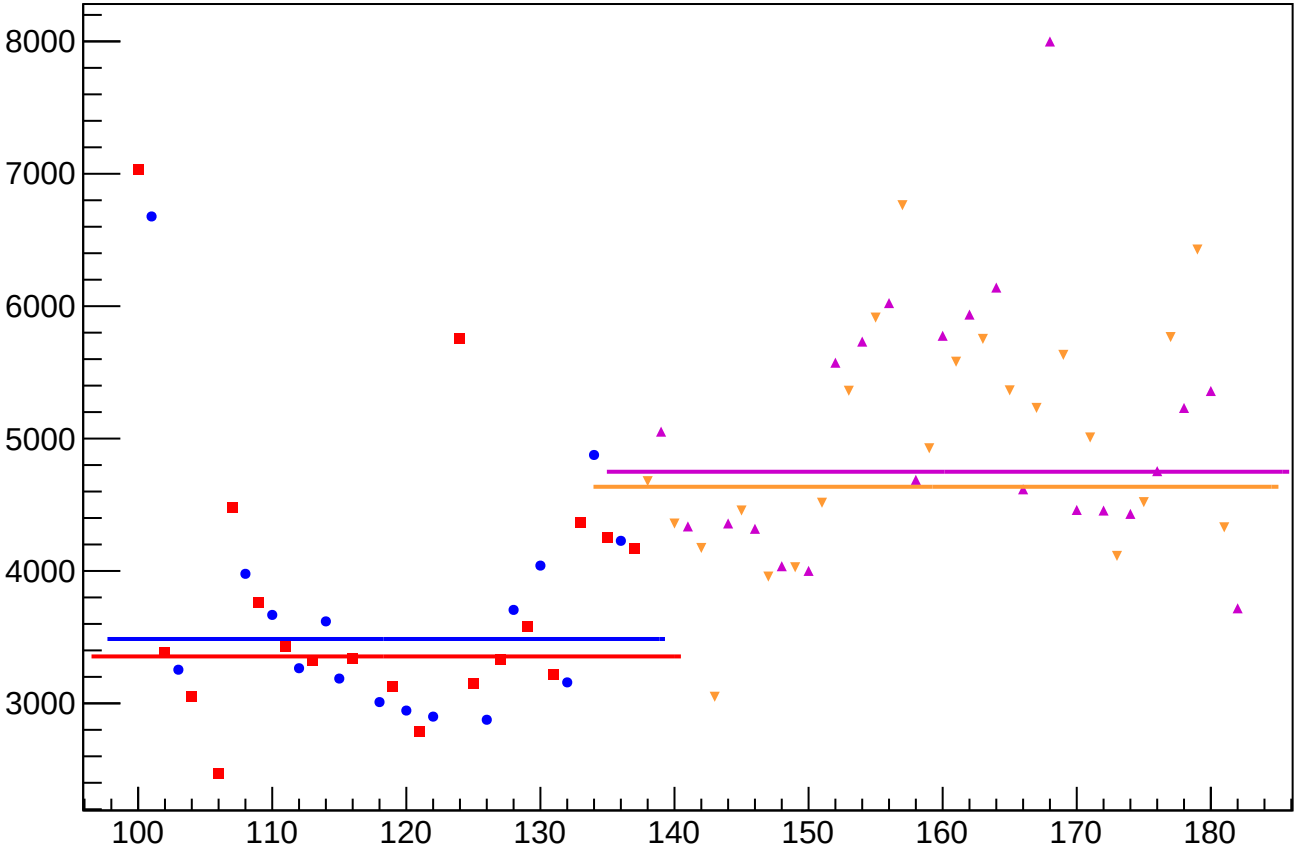
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -454.625+/-863.258 χ^2/NDF:31.9/37

Out: 230.437+/-836.269 χ^2/NDF:42.3/41

All: -101.218+/-600.646 χ^2/NDF: 74.6/79

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4635.908+/-0.783 χ^2/NDF:1255150.7/22

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4749.389+/-0.804 χ^2/NDF:975969.5/21

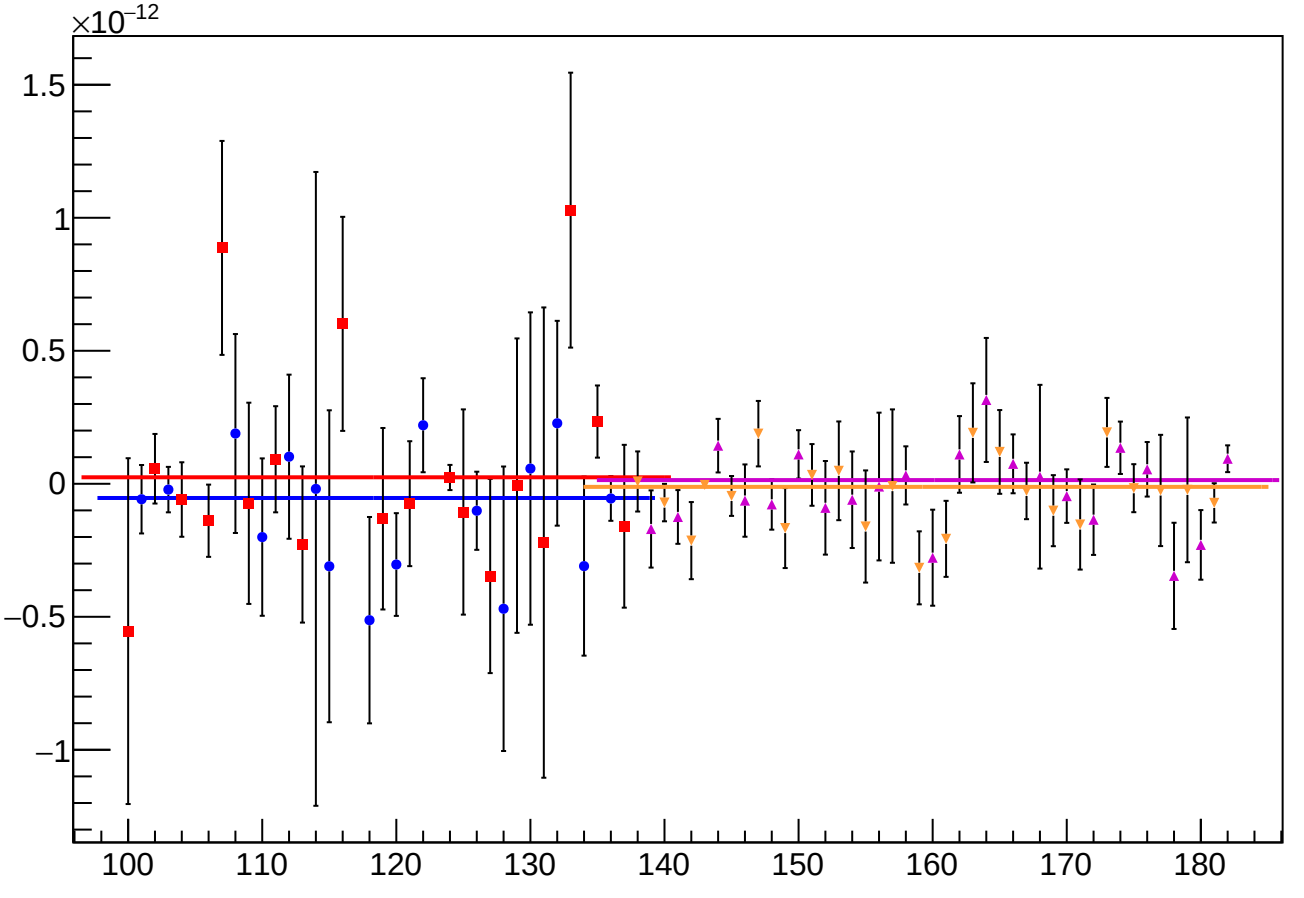
Left: 4691.177+/-0.561 χ^2/NDF: 2241349.3/44

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4215.008+/-0.610 χ^2/NDF:2617042.9/37

Out: 4076.399+/-0.588 χ^2/NDF:2800936.0/41

All: 4143.082+/-0.423 χ^2/NDF: 5444735.3/79



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:25.7/21

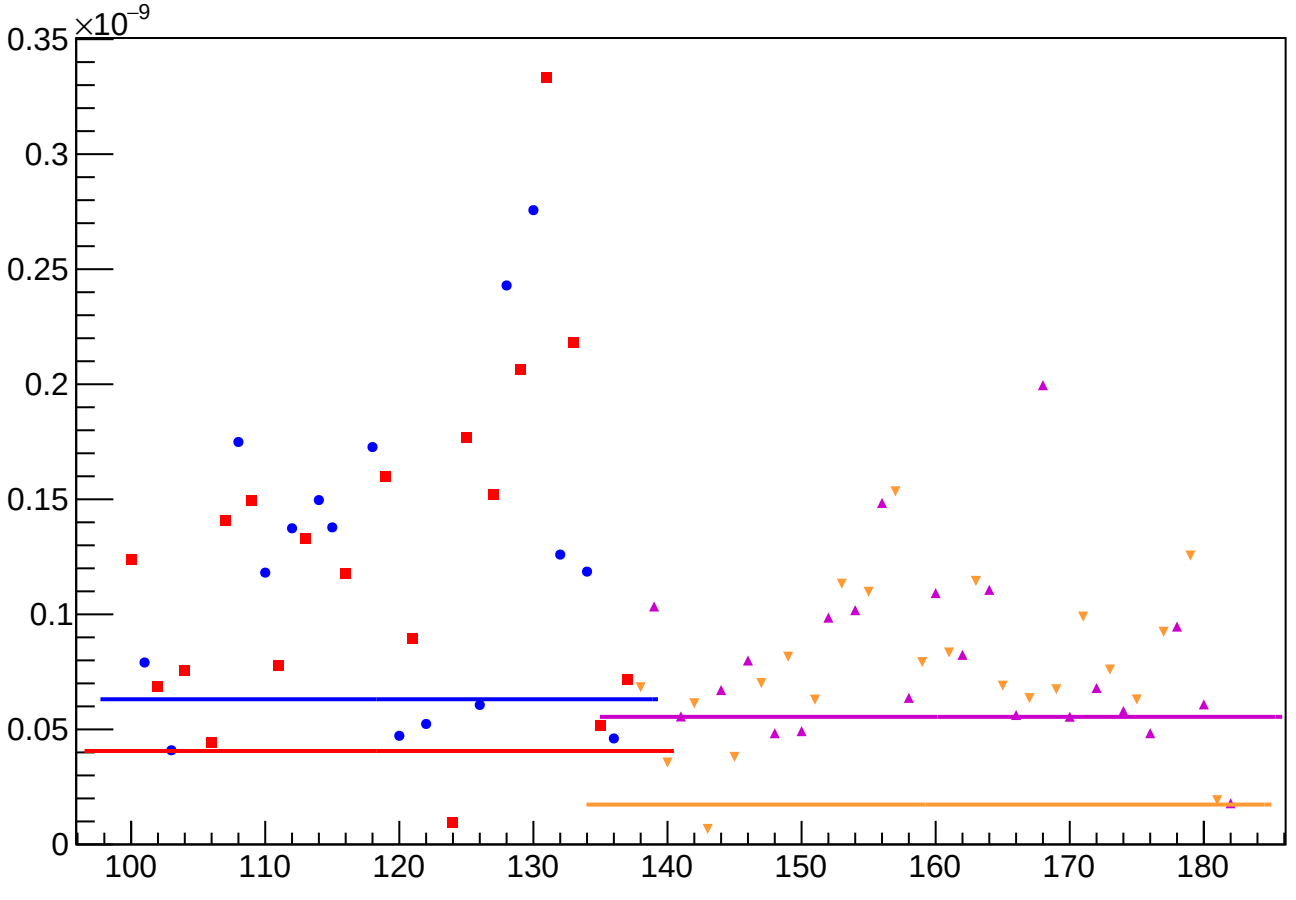
Left: -0.000+/-0.000 χ^2/NDF: 47.2/44

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:36.0/37

Out: -0.000+/-0.000 χ^2/NDF:40.0/41

All: -0.000+/-0.000 χ^2/NDF: 76.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8850817.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2746158.0/21

Left: 0.000+/-0.000 χ^2/NDF: 15640429.8/44

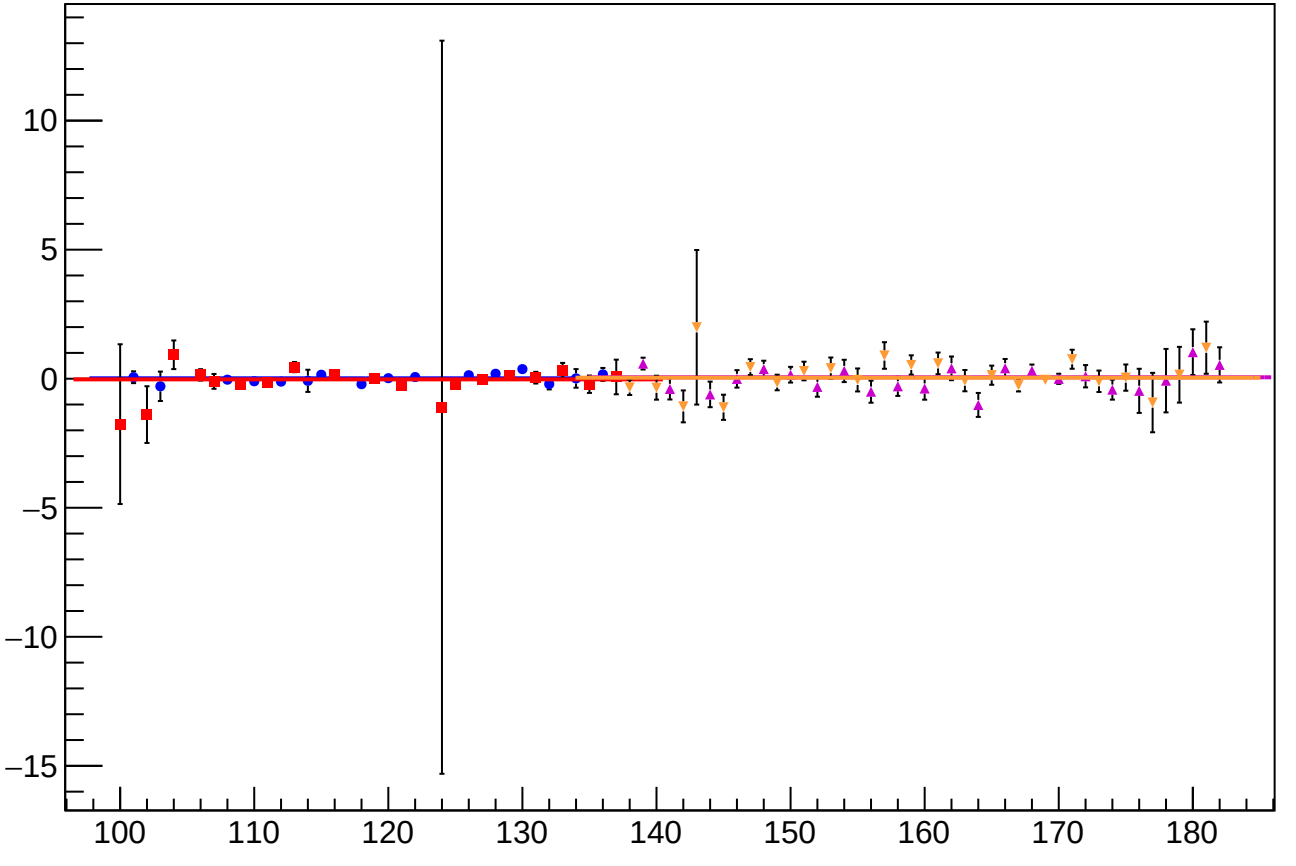
Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:4223929.9/37

Out: 0.000+/-0.000 χ^2/NDF:12793029.6/41

All: 0.000+/-0.000 χ^2/NDF: 21974652.4/79

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.039+/-0.079 χ^2/NDF:29.0/22

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.055+/-0.078 χ^2/NDF:26.0/21

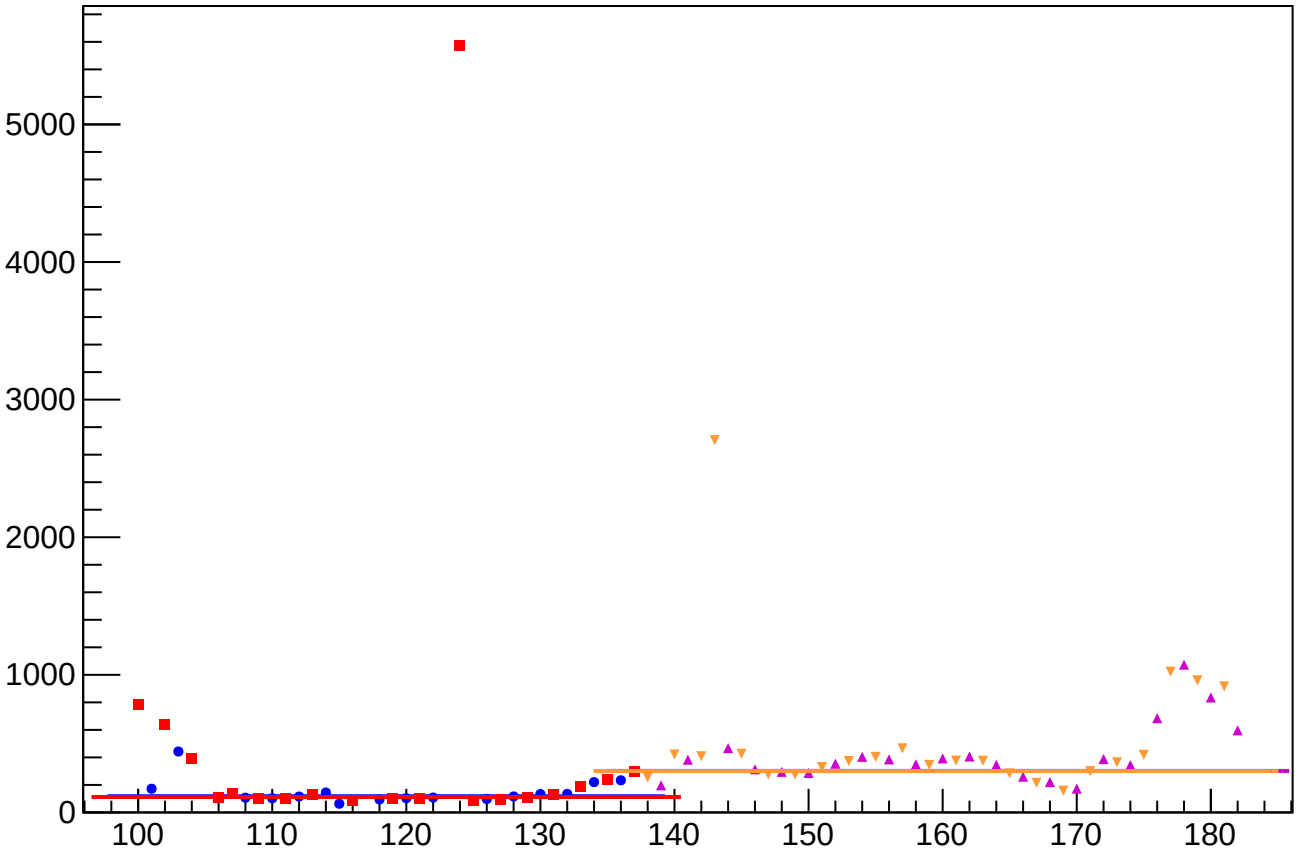
Left: 0.047+/-0.055 χ^2/NDF: 55.0/44

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.026+/-0.041 χ^2/NDF:38.0/37

Out: -0.009+/-0.040 χ^2/NDF:51.6/41

All: 0.009+/-0.029 χ^2/NDF: 89.9/79



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 300.772+/-0.056 χ^2/NDF:6219027.2/22

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 301.851+/-0.055 χ^2/NDF:4709858.2/21

Left: 301.320+/-0.039 χ^2/NDF: 10929075.8/44

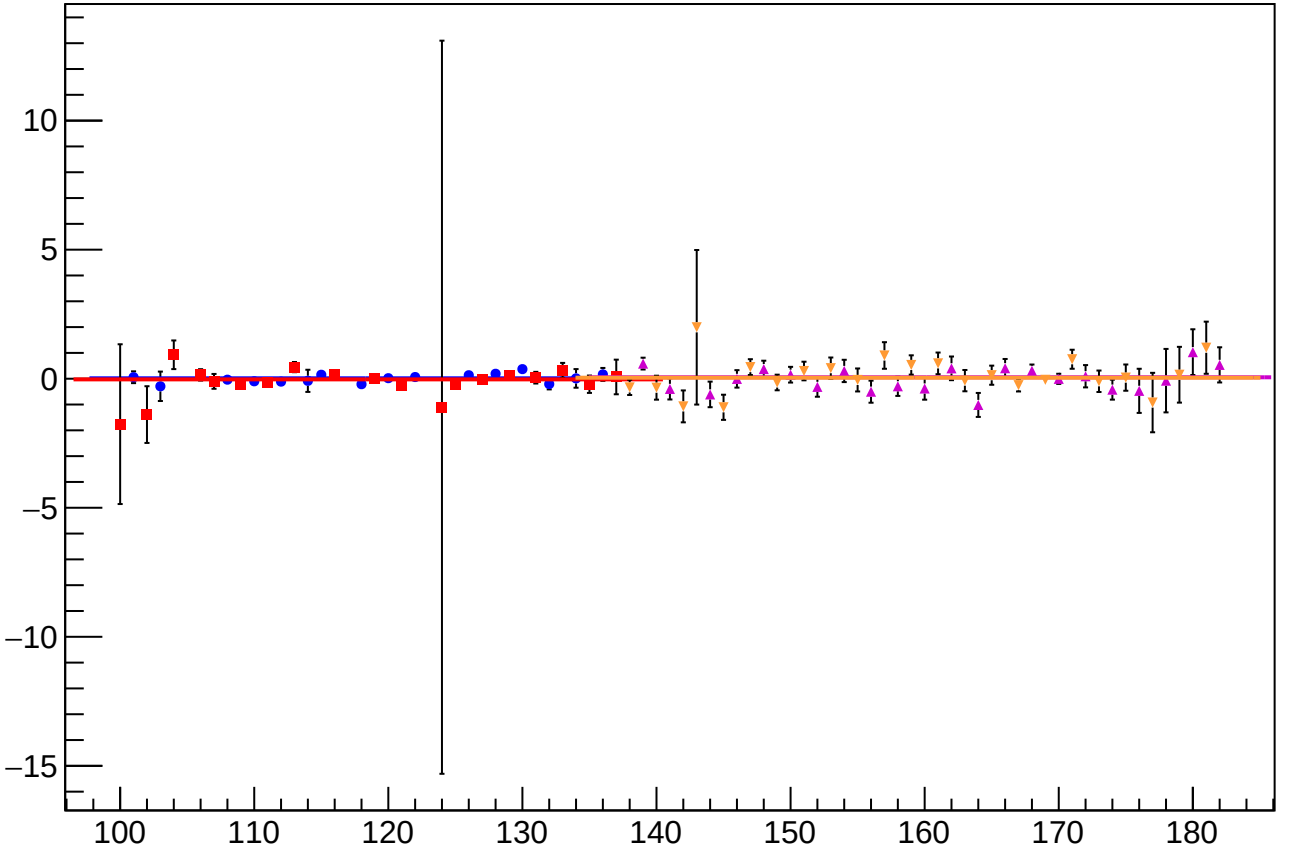
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 168.498+/-0.029 χ^2/NDF:14599123.2/37

Out: 161.404+/-0.028 χ^2/NDF:16879197.4/41

All: 164.909+/-0.020 χ^2/NDF: 31508990.7/79

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: 0.039+/-0.079 χ^2/NDF:29.0/22

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.055+/-0.078 χ^2/NDF:26.0/21

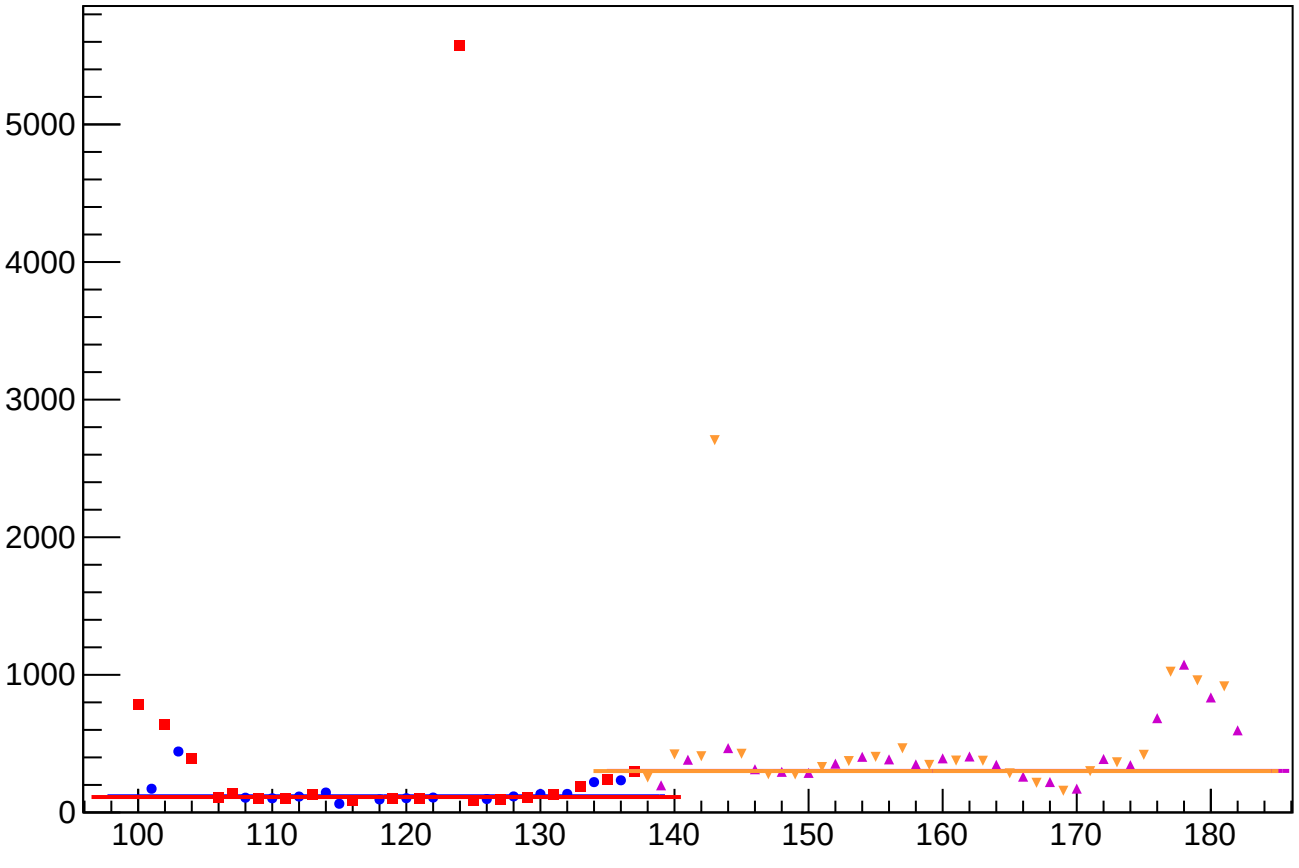
Left: 0.047+/-0.055 χ^2/NDF: 55.0/44

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.026+/-0.041 χ^2/NDF:38.0/37

Out: -0.009+/-0.040 χ^2/NDF:51.6/41

All: 0.009+/-0.029 χ^2/NDF: 89.9/79



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 300.772+/-0.056 χ^2/NDF:6219027.2/22

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 301.851+/-0.055 χ^2/NDF:4709858.2/21

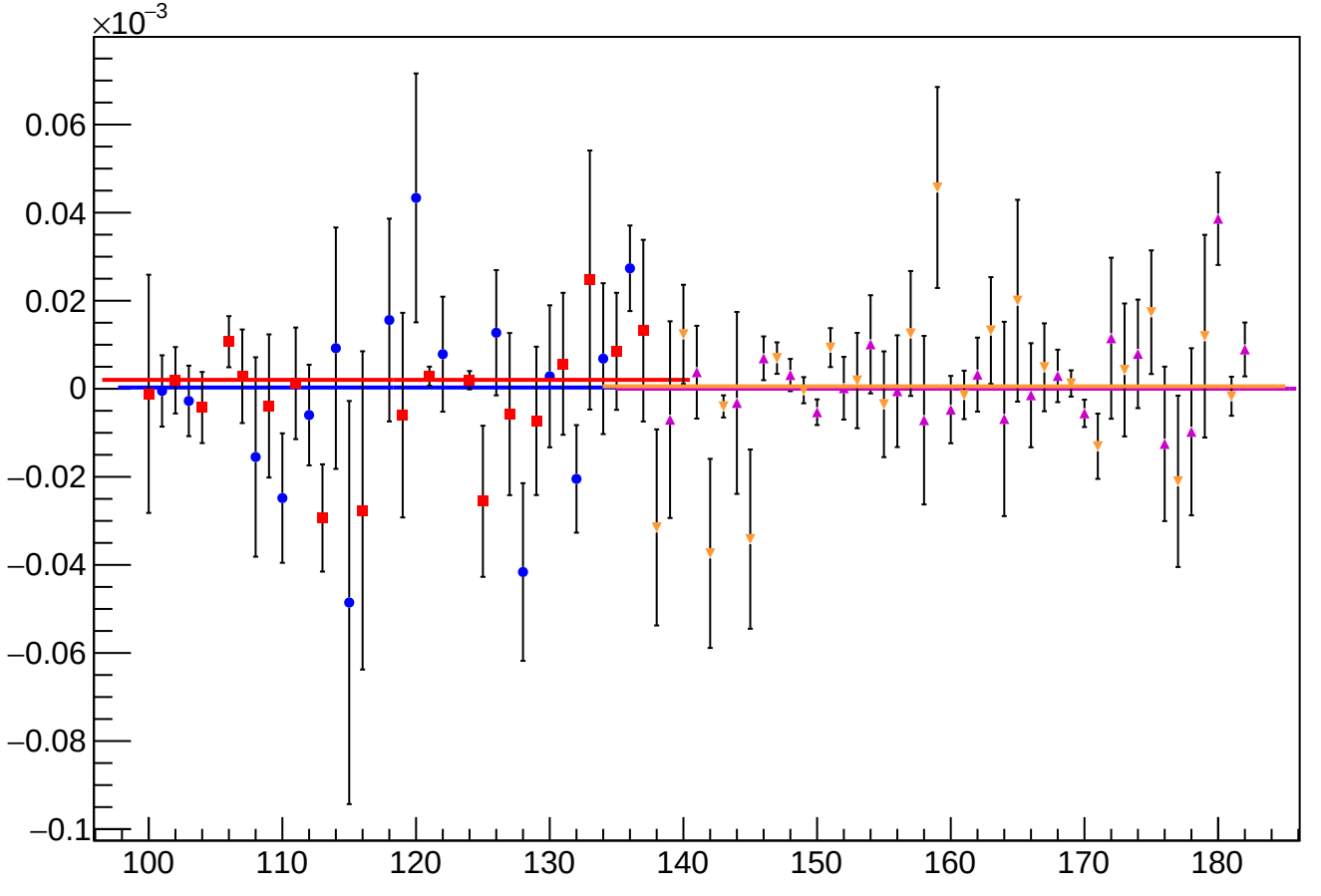
Left: 301.320+/-0.039 χ^2/NDF: 10929075.8/44

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 168.498+/-0.029 χ^2/NDF:14599123.2/37

Out: 161.404+/-0.028 χ^2/NDF:16879197.4/41

All: 164.909+/-0.020 χ^2/NDF: 31508990.7/79



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:28.6/21

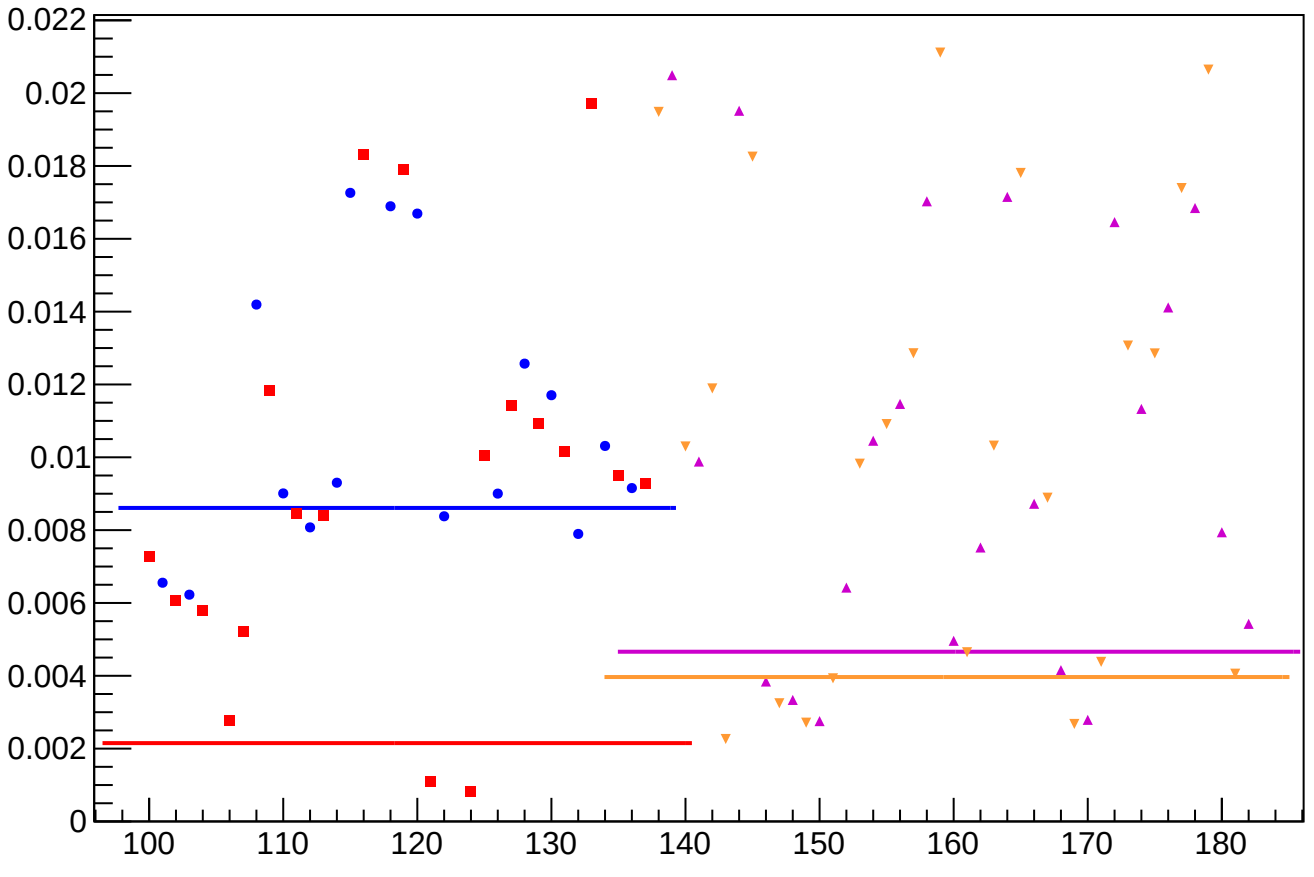
Left: 0.000+/-0.000 χ^2/NDF: 61.9/44

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: 0.000+/-0.000 χ^2/NDF:52.7/37

Out: 0.000+/-0.000 χ^2/NDF:48.8/41

All: 0.000+/-0.000 χ^2/NDF: 102.0/79



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:13092256.6/22

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:10677039.0/21

Left: 0.004+/-0.000 χ^2/NDF: 24050890.9/44

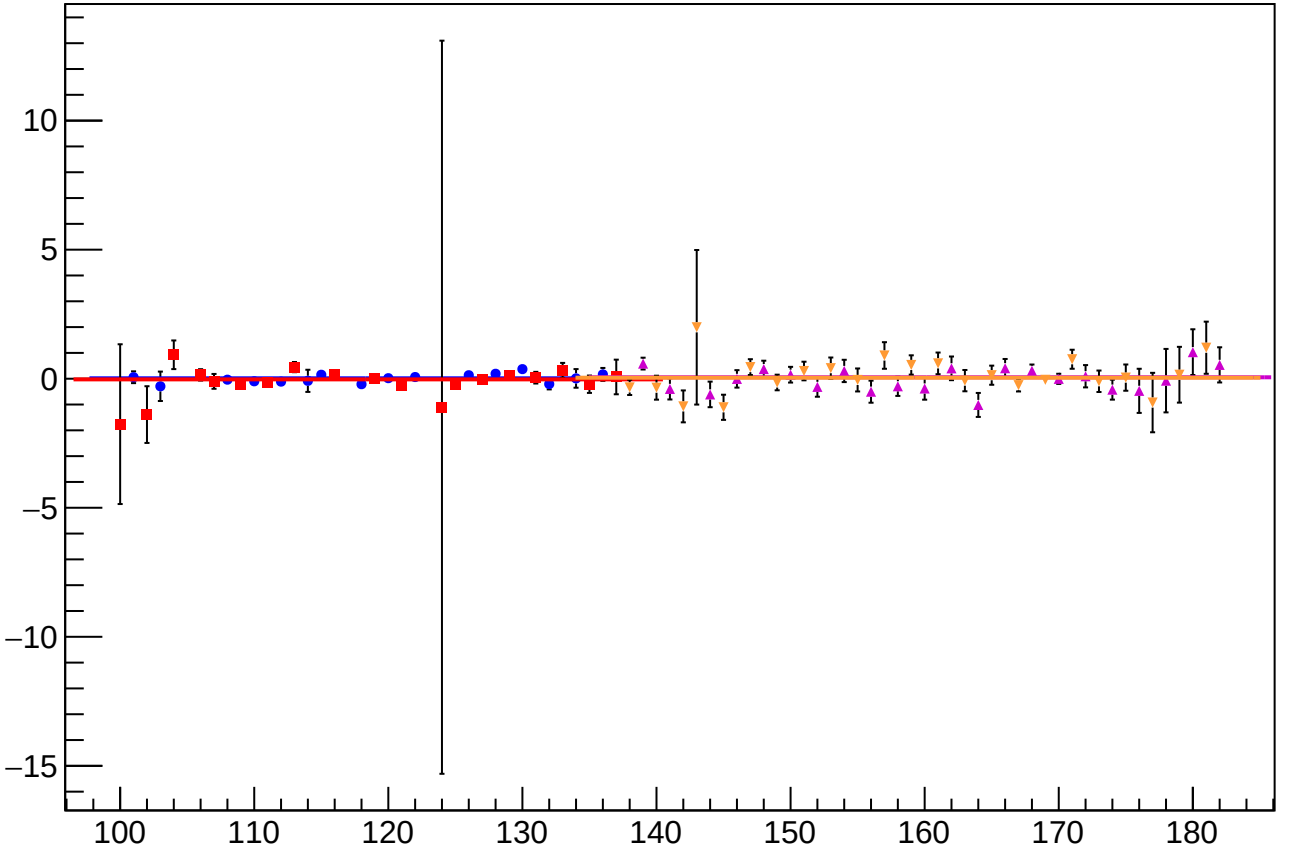
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:14125902.2/37

Out: 0.003+/-0.000 χ^2/NDF:24206447.9/41

All: 0.004+/-0.000 χ^2/NDF: 41860491.6/79

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: 0.039+/-0.079 χ^2/NDF:29.0/22

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.055+/-0.078 χ^2/NDF:26.0/21

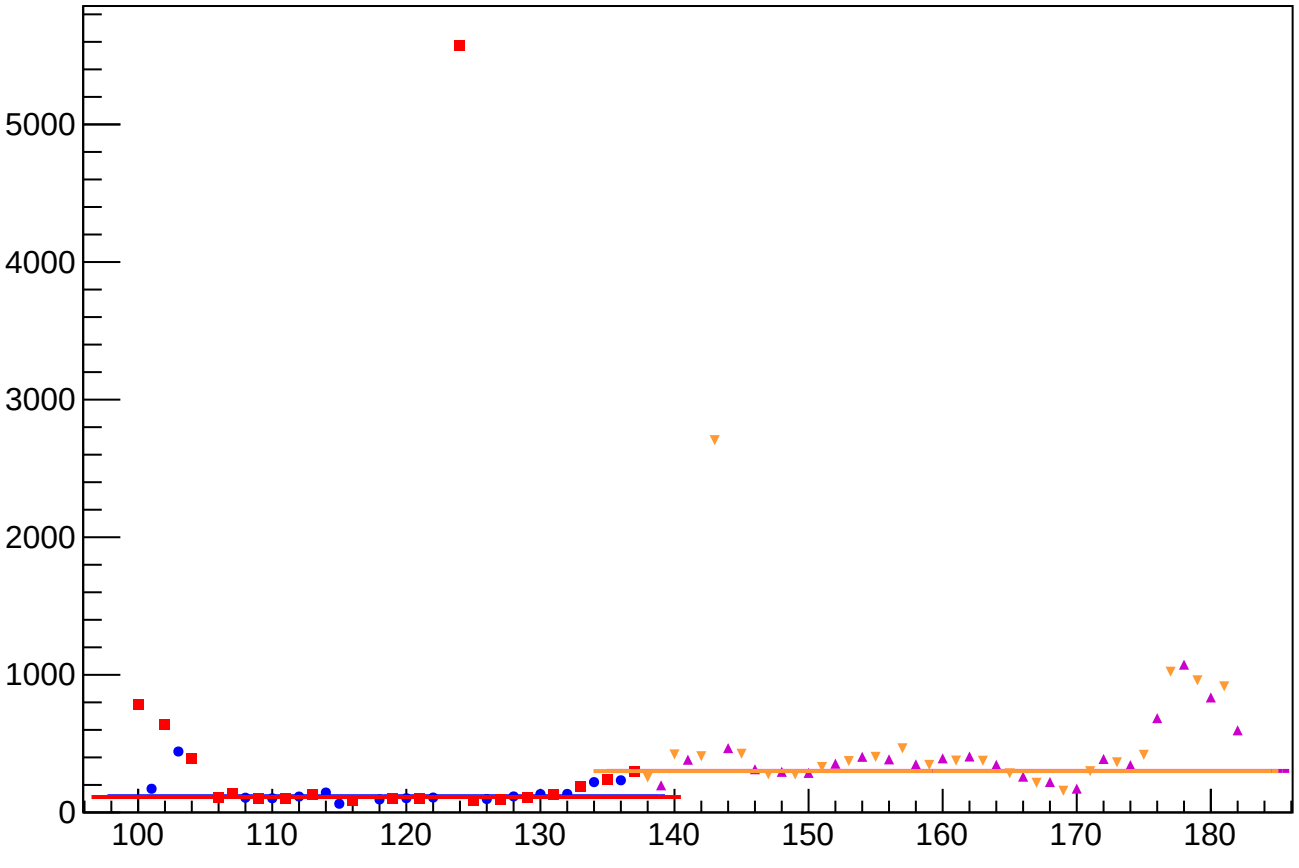
Left: 0.047+/-0.055 χ^2/NDF: 55.0/44

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.026+/-0.041 χ^2/NDF:38.0/37

Out: -0.009+/-0.040 χ^2/NDF:51.6/41

All: 0.009+/-0.029 χ^2/NDF: 89.9/79



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 300.774+/-0.056 χ^2/NDF:6219092.8/22

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 301.854+/-0.055 χ^2/NDF:4709840.8/21

Left: 301.322+/-0.039 χ^2/NDF: 10929124.4/44

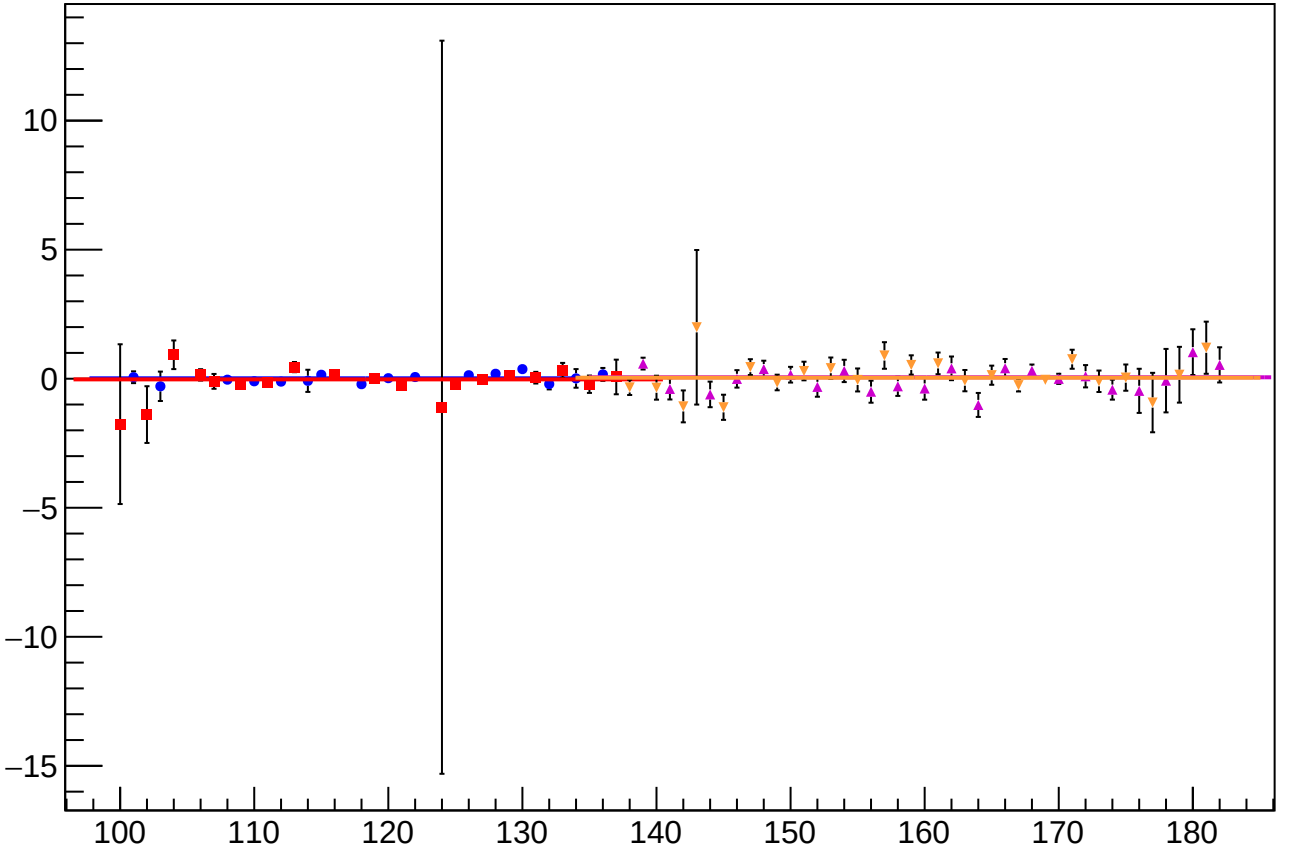
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 168.498+/-0.029 χ^2/NDF:14599215.6/37

Out: 161.406+/-0.028 χ^2/NDF:16879067.5/41

All: 164.910+/-0.020 χ^2/NDF: 31508937.0/79

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: 0.039+/-0.079 χ^2/NDF:29.0/22

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.055+/-0.078 χ^2/NDF:26.0/21

Left: 0.047+/-0.055 χ^2/NDF: 55.0/44

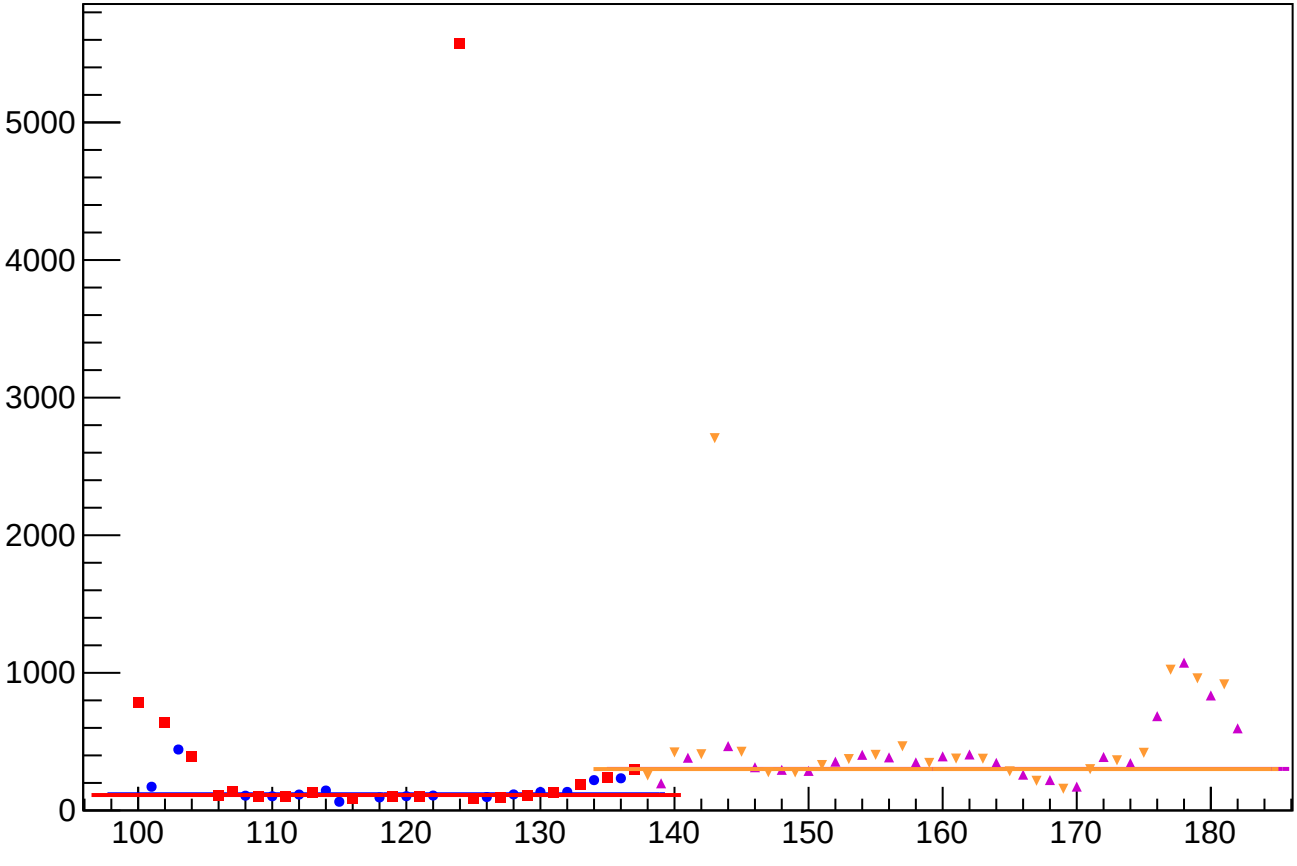
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.026+/-0.041 χ^2/NDF:38.0/37

Out: -0.009+/-0.040 χ^2/NDF:51.6/41

All: 0.009+/-0.029 χ^2/NDF: 89.9/79

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: 300.774+/-0.056 χ^2/NDF:6219092.8/22

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 301.854+/-0.055 χ^2/NDF:4709840.8/21

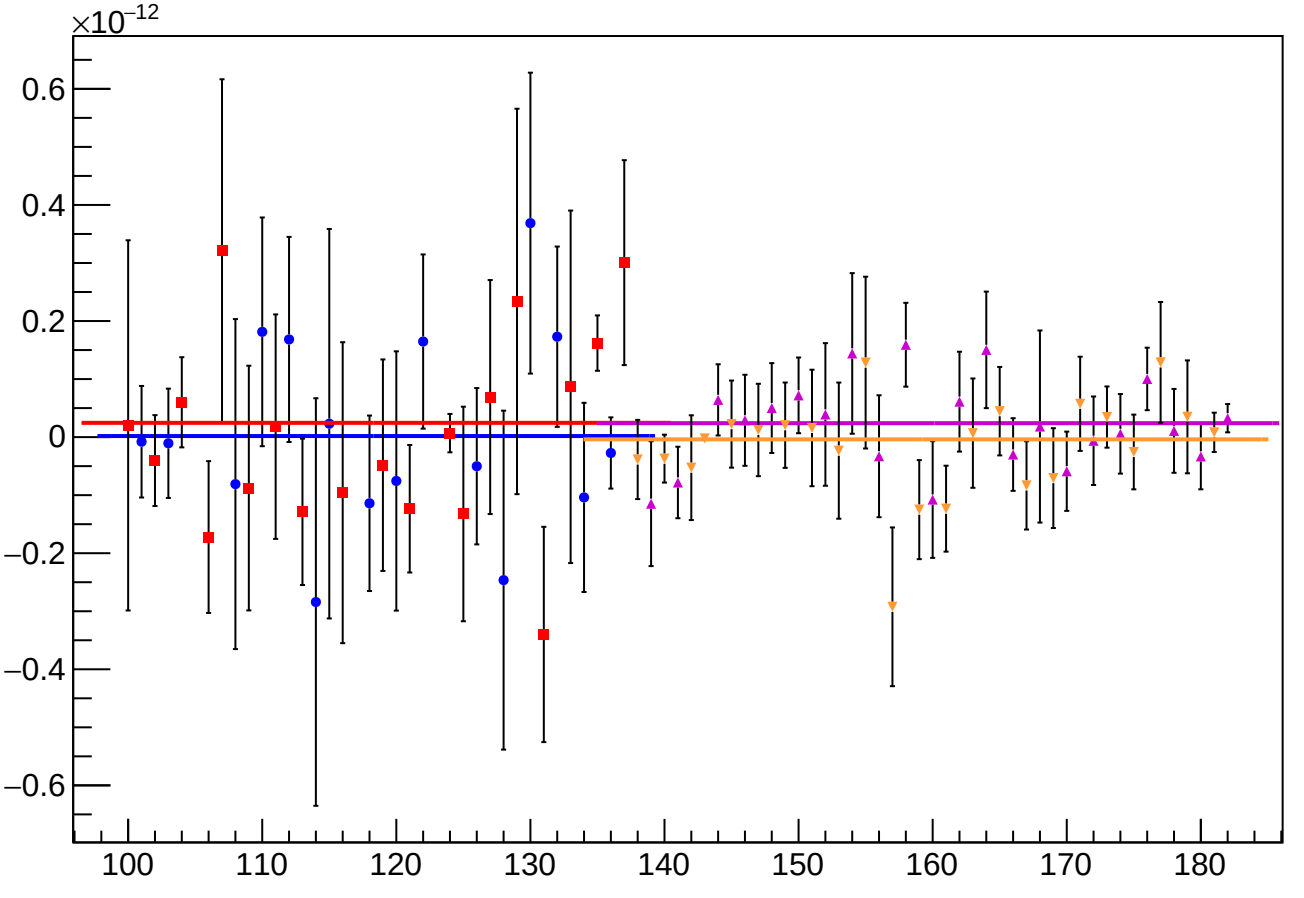
Left: 301.322+/-0.039 χ^2/NDF: 10929124.4/44

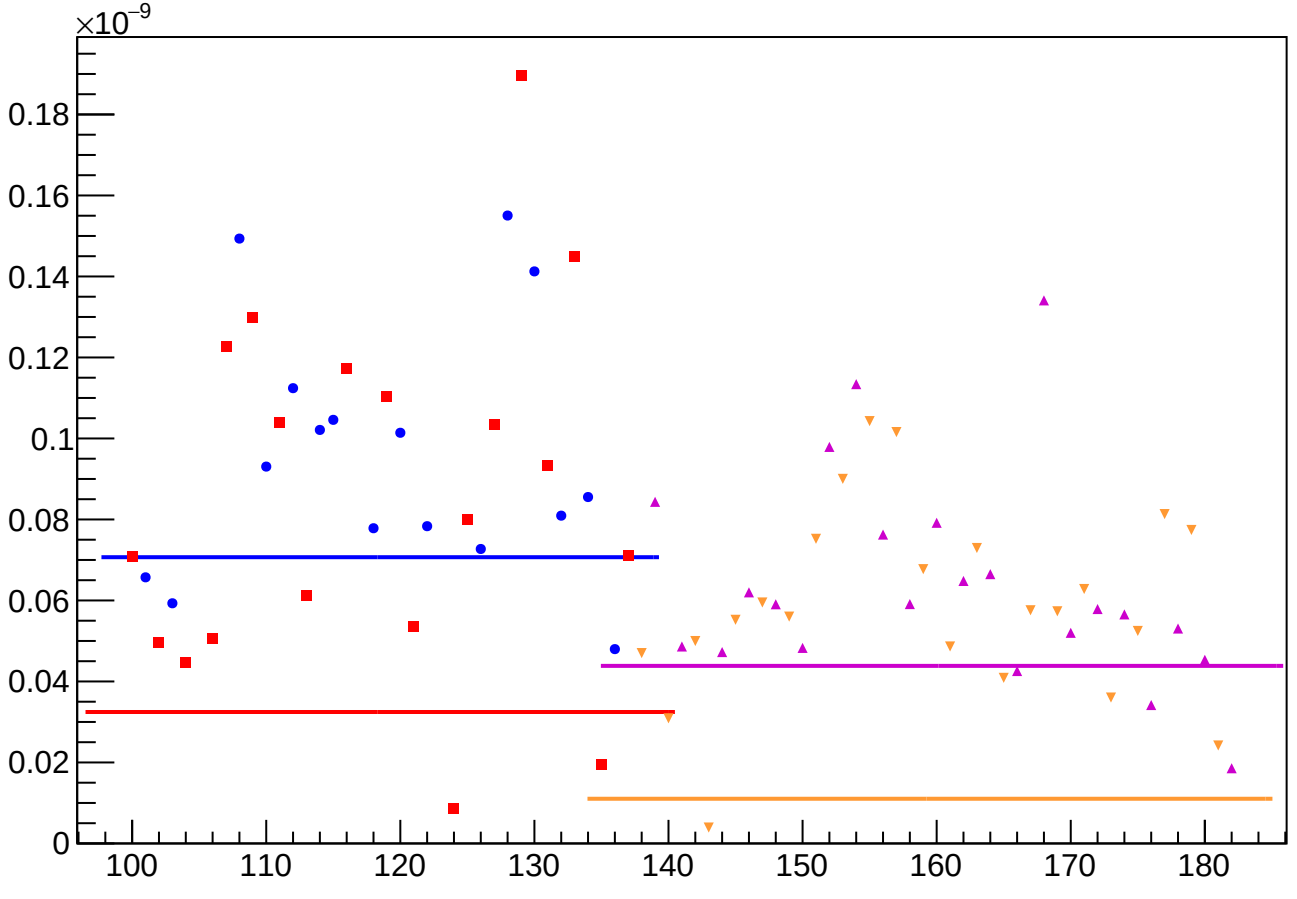
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 168.498+/-0.029 χ^2/NDF:14599215.6/37

Out: 161.406+/-0.028 χ^2/NDF:16879067.5/41

All: 164.910+/-0.020 χ^2/NDF: 31508937.0/79


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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 9.1/15
Left Out: -0.000+/-0.000 χ²/NDF:16.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 24.2/18
Left In: 0.000+/-0.000 χ²/NDF:19.2/21
Left: 0.000+/-0.000 χ²/NDF: 39.4/44
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: 0.000+/-0.000 χ²/NDF:28.7/37
Out: -0.000+/-0.000 χ²/NDF:42.5/41
All: 0.000+/-0.000 χ²/NDF: 73.8/79



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17414985.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5150444.3/21

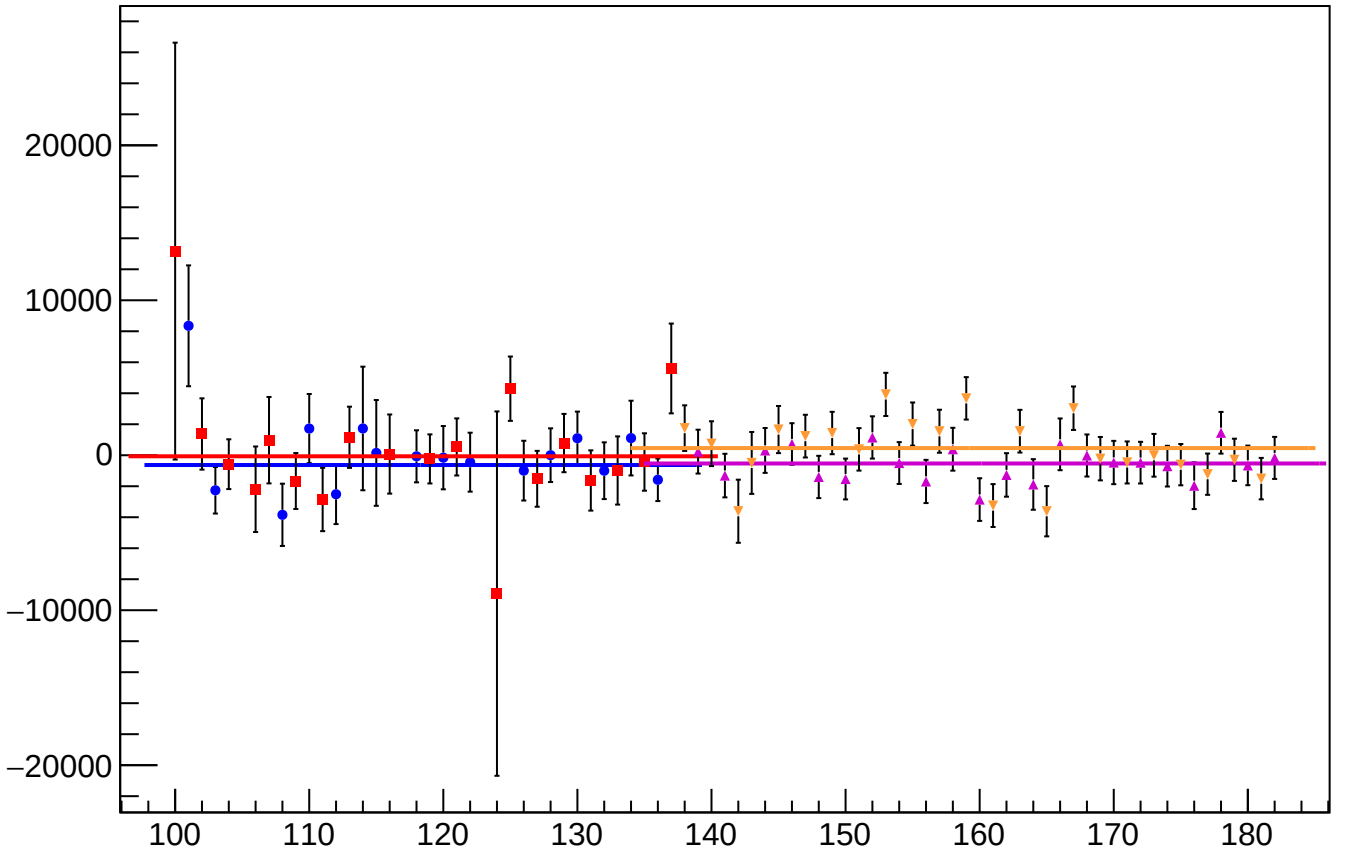
Left: 0.000+/-0.000 χ^2/NDF: 32179212.8/44

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:7222505.2/37

Out: 0.000+/-0.000 χ^2/NDF:23683885.4/41

All: 0.000+/-0.000 χ^2/NDF: 43358674.6/79



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.177+/-297.716 χ^2/NDF:43.0/22

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -531.379+/-296.419 χ^2/NDF:13.2/21

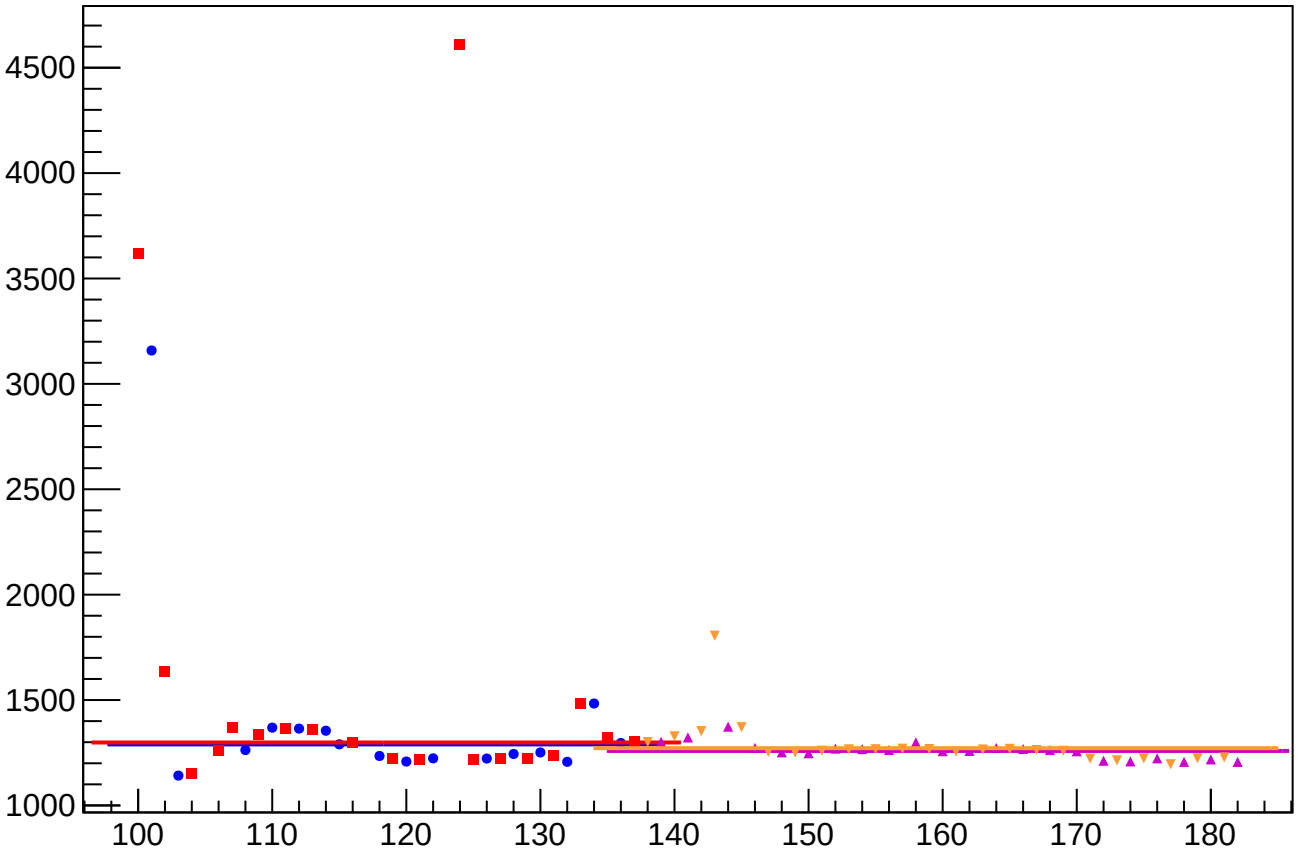
Left: -36.771+/-210.057 χ^2/NDF: 61.8/44

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -558.187+/-253.437 χ^2/NDF:27.1/37

Out: 318.367+/-254.119 χ^2/NDF:59.8/41

All: -121.088+/-179.448 χ^2/NDF: 92.8/79



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1271.558+/-0.211 χ^2/NDF:179720.0/22

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

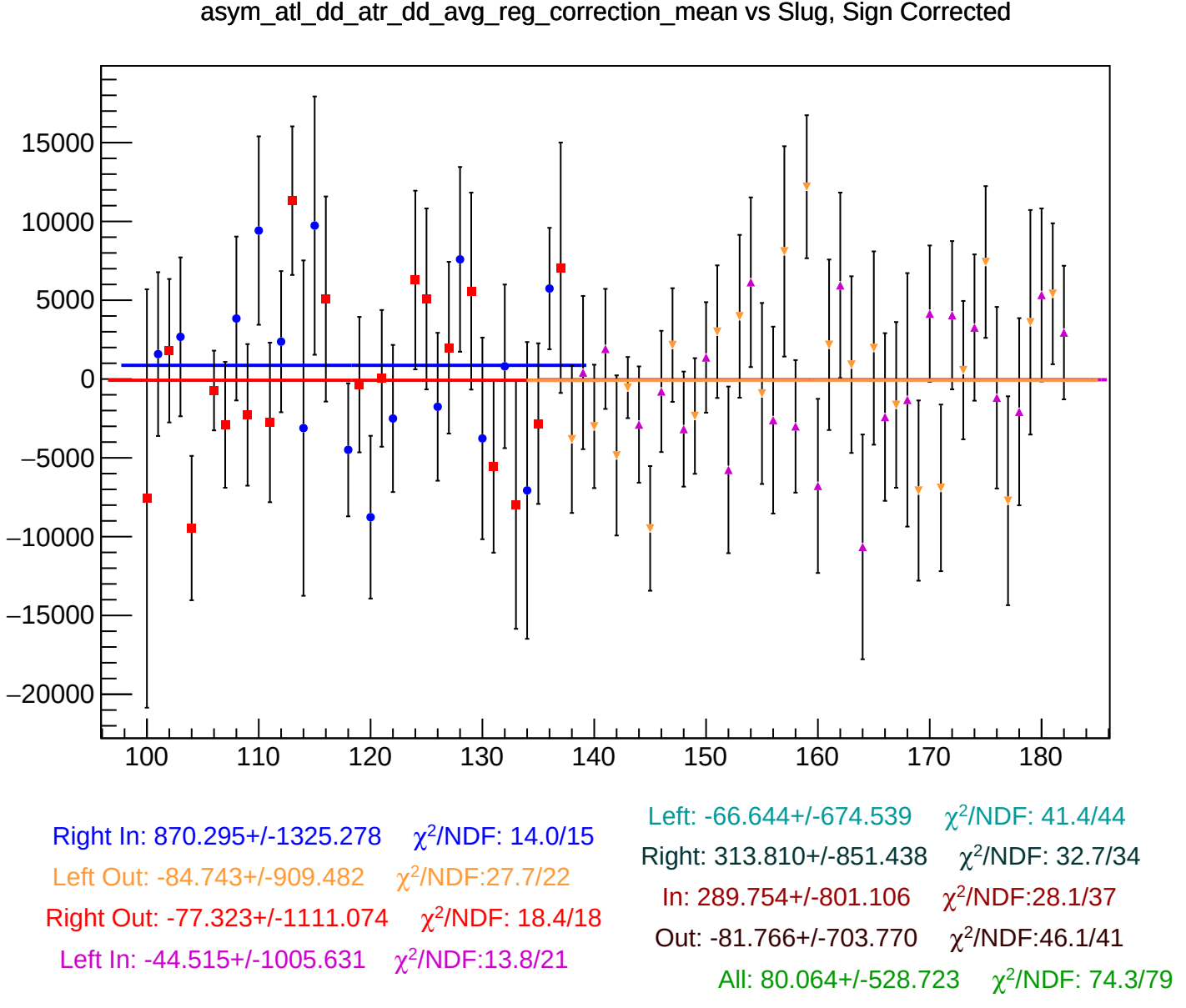
Left: 1265.035+/-0.149 χ^2/NDF: 217126.3/44

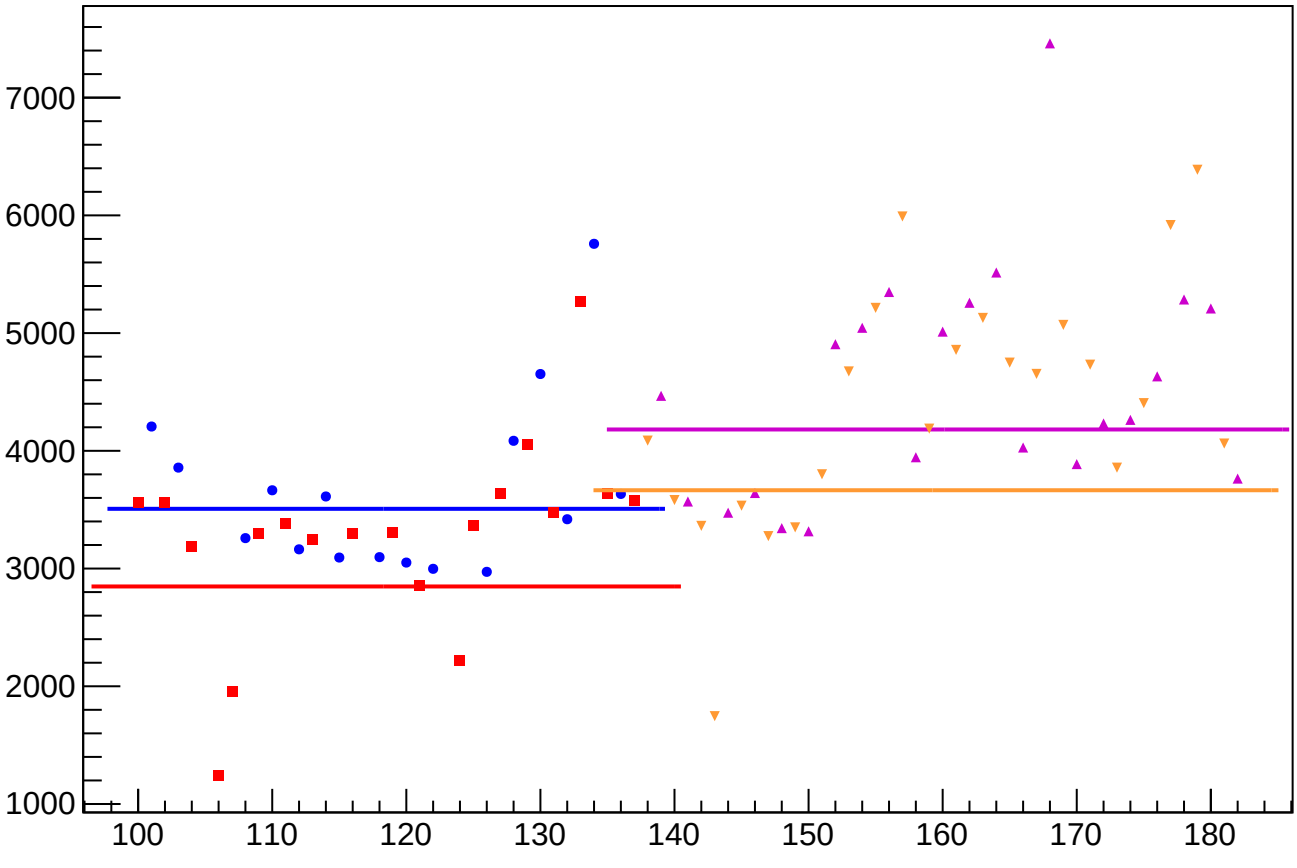
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1266.879+/-0.179 χ^2/NDF:556014.6/37

Out: 1278.941+/-0.180 χ^2/NDF:503609.3/41

All: 1272.898+/-0.127 χ^2/NDF: 1061884.6/79


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
170
180
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -84.743+/-909.482 χ²/NDF:27.7/22
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -44.515+/-1005.631 χ²/NDF:13.8/21
Left: -66.644+/-674.539 χ²/NDF: 41.4/44
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 289.754+/-801.106 χ²/NDF:28.1/37
Out: -81.766+/-703.770 χ²/NDF:46.1/41
All: 80.064+/-528.723 χ²/NDF: 74.3/79



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3665.168+/-0.643 χ^2/NDF:3675034.8/22

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4181.302+/-0.711 χ^2/NDF:1269136.5/21

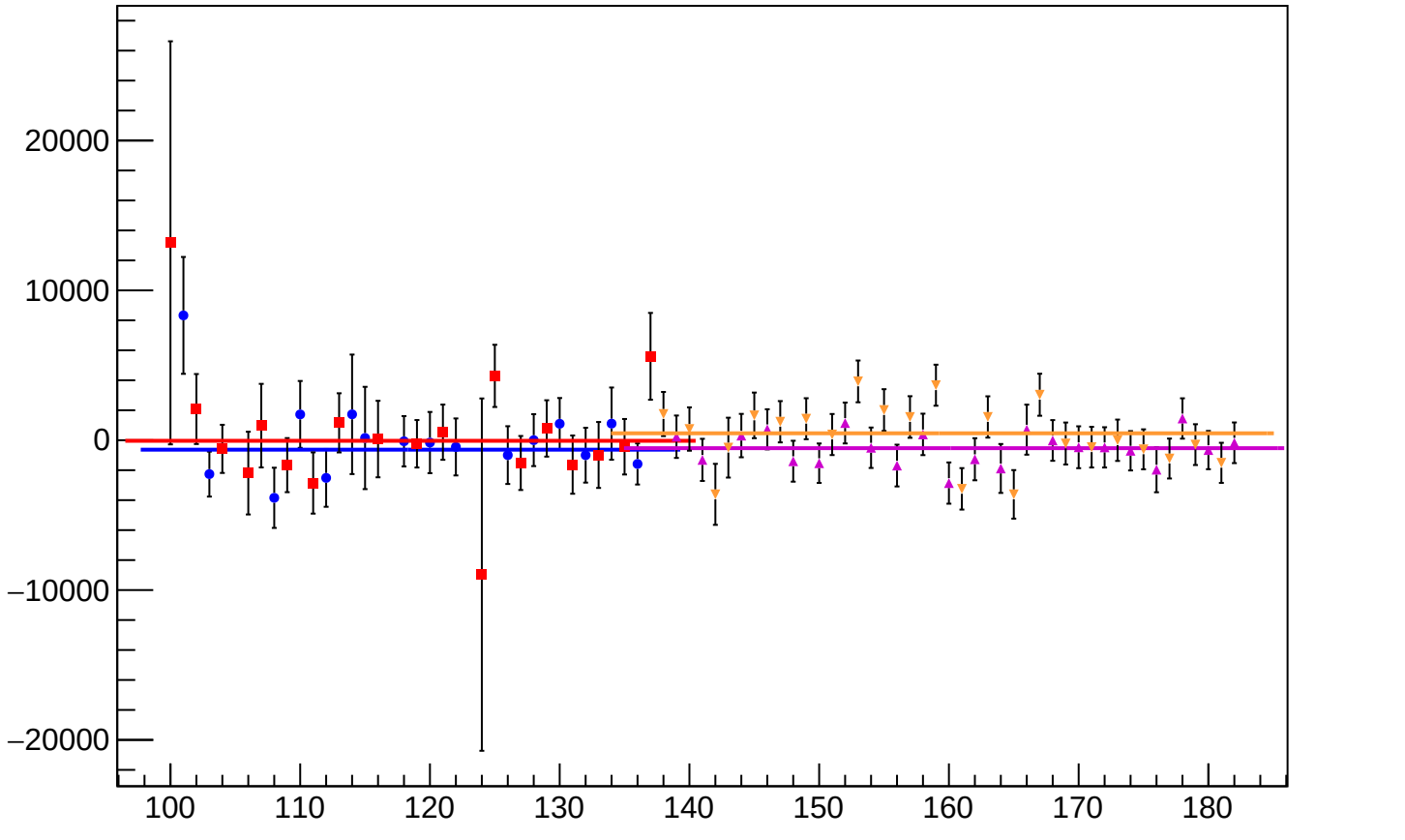
Left: 3897.388+/-0.477 χ^2/NDF: 5233973.9/44

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3935.059+/-0.566 χ^2/NDF:1951298.1/37

Out: 3337.243+/-0.498 χ^2/NDF:5822471.1/41

All: 3597.645+/-0.374 χ^2/NDF: 8402379.5/79



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.210+/-297.716 χ^2/NDF:43.0/22

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -531.298+/-296.419 χ^2/NDF:13.2/21

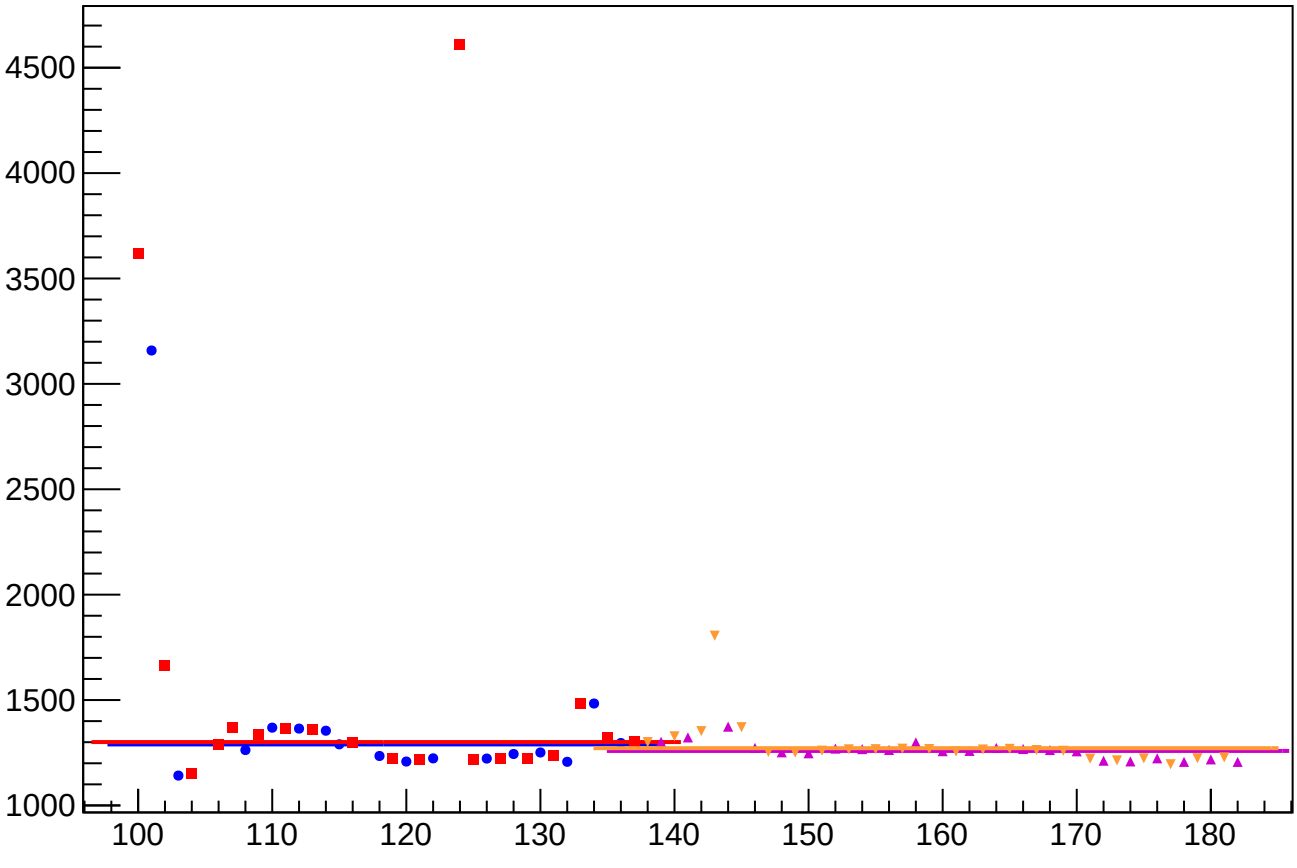
Left: -36.714+/-210.057 χ^2/NDF: 61.8/44

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -558.231+/-253.437 χ^2/NDF:27.1/37

Out: 326.399+/-254.165 χ^2/NDF:60.1/41

All: -117.185+/-179.464 χ^2/NDF: 93.3/79



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1271.558+/-0.211 χ^2/NDF:179720.0/22

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

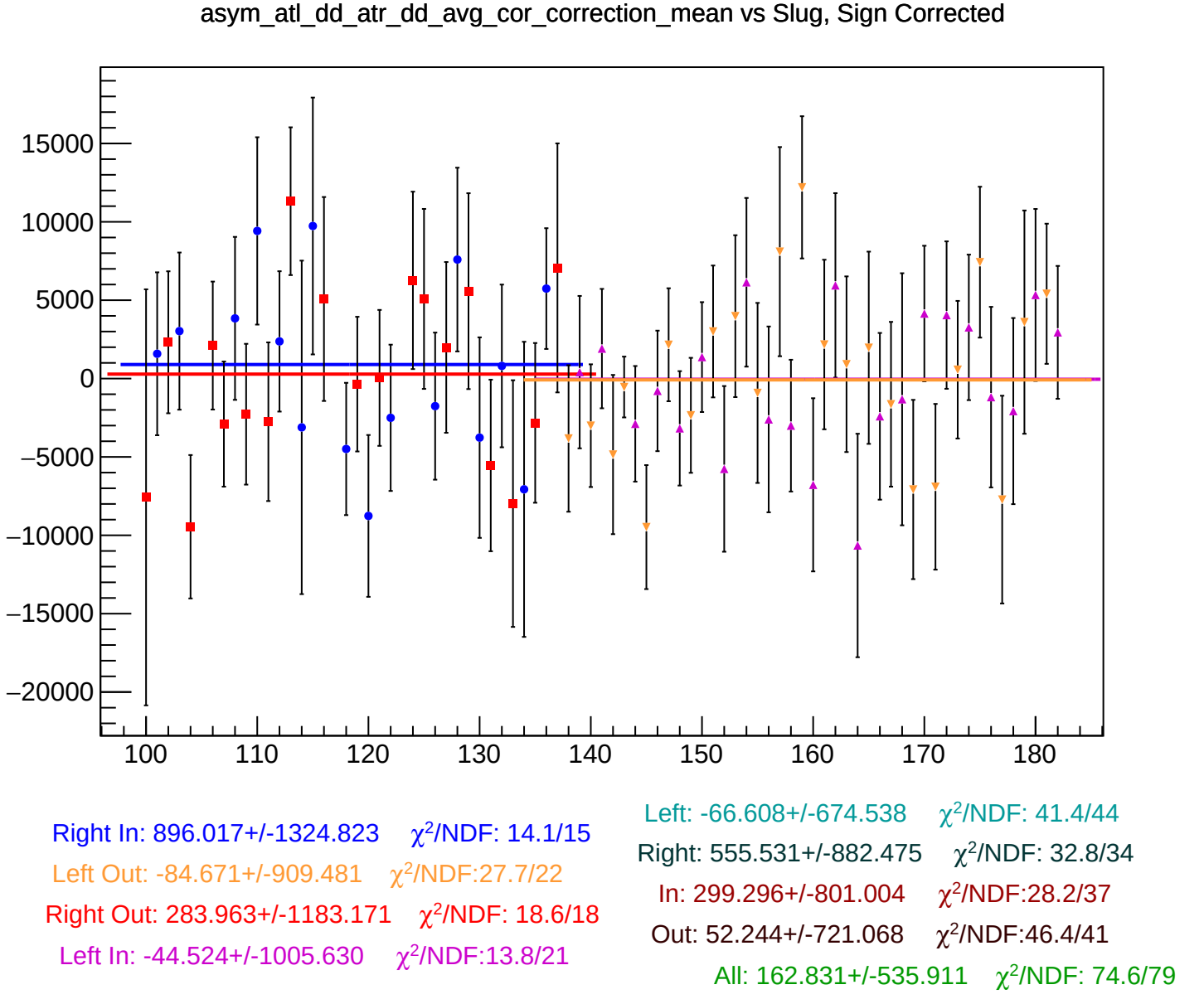
Left: 1265.035+/-0.149 χ^2/NDF: 217126.3/44

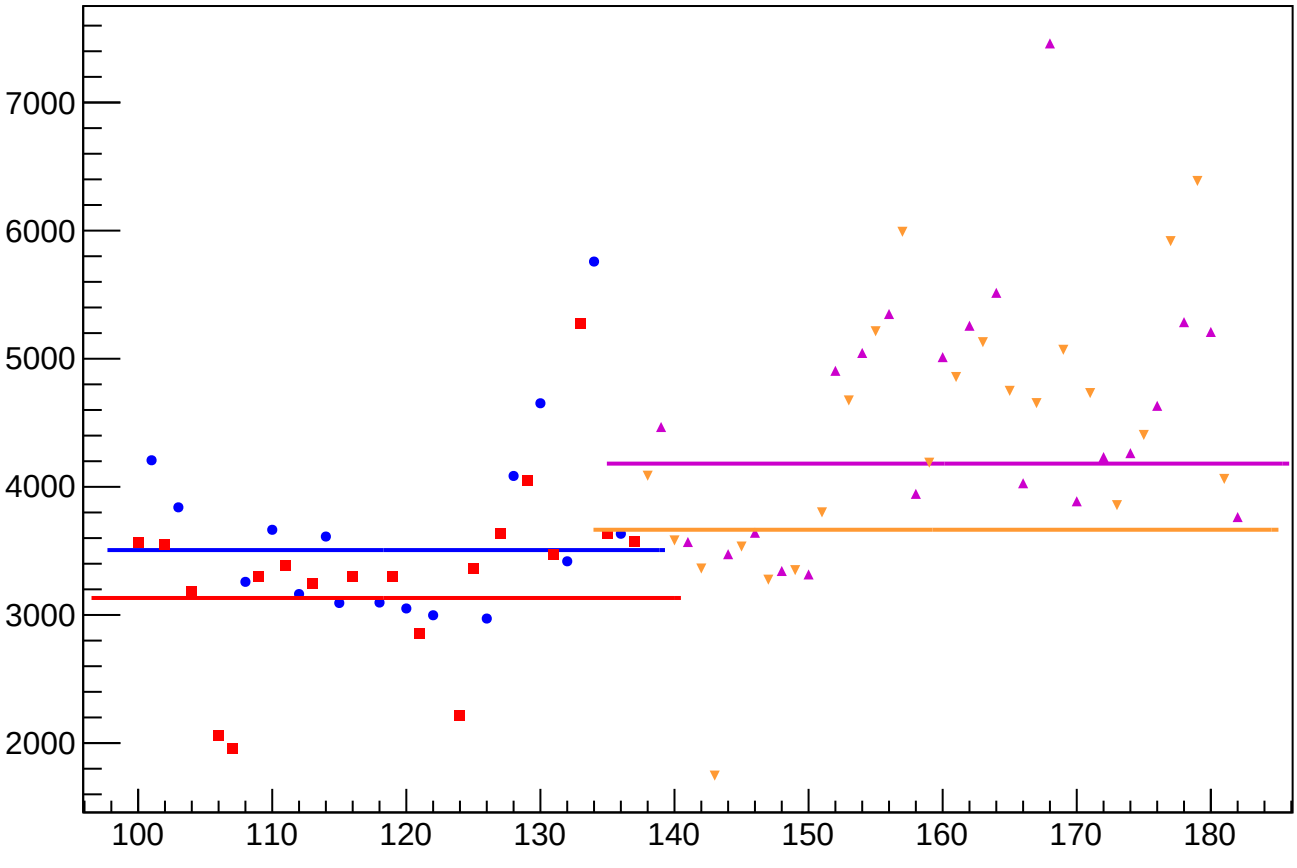
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.879+/-0.179 χ^2/NDF:556015.9/37

Out: 1279.478+/-0.180 χ^2/NDF:510832.3/41

All: 1273.163+/-0.127 χ^2/NDF: 1069313.6/79


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
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -84.671+/-909.481 χ²/NDF:27.7/22
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -44.524+/-1005.630 χ²/NDF:13.8/21
Left: -66.608+/-674.538 χ²/NDF: 41.4/44
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 299.296+/-801.004 χ²/NDF:28.2/37
Out: 52.244+/-721.068 χ²/NDF:46.4/41
All: 162.831+/-535.911 χ²/NDF: 74.6/79



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3665.160+/-0.643 χ^2/NDF:3675073.2/22

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4181.297+/-0.711 χ^2/NDF:1269133.7/21

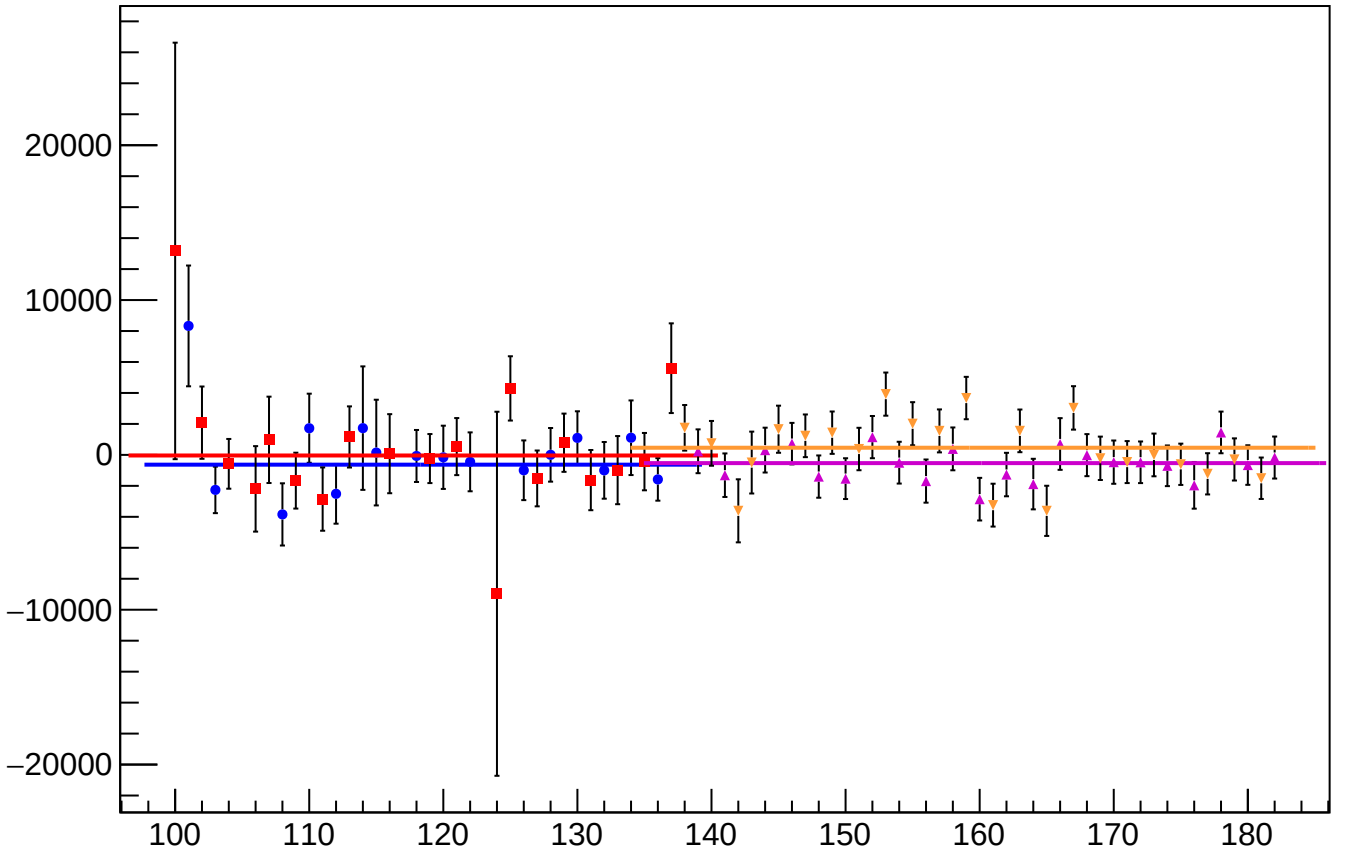
Left: 3897.381+/-0.477 χ^2/NDF: 5234013.6/44

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3934.615+/-0.566 χ^2/NDF:1951582.7/37

Out: 3467.355+/-0.510 χ^2/NDF:4579402.4/41

All: 3676.513+/-0.379 χ^2/NDF: 6906917.5/79



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.210+/-297.716 χ^2/NDF:43.0/22

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -531.298+/-296.419 χ^2/NDF:13.2/21

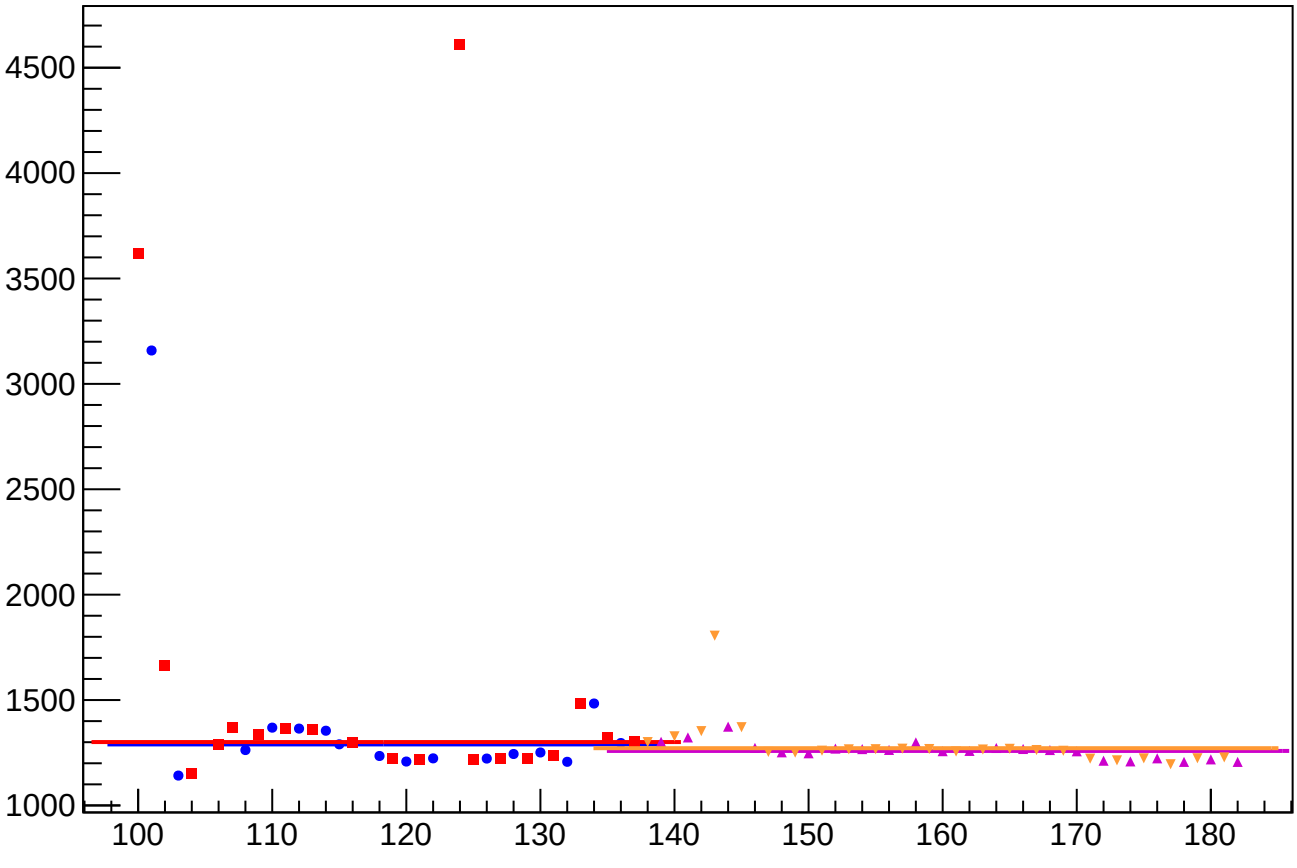
Left: -36.714+/-210.057 χ^2/NDF: 61.8/44

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -558.231+/-253.437 χ^2/NDF:27.1/37

Out: 326.399+/-254.165 χ^2/NDF:60.1/41

All: -117.185+/-179.464 χ^2/NDF: 93.3/79



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1271.558+/-0.211 χ^2/NDF:179720.0/22

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

Left: 1265.035+/-0.149 χ^2/NDF: 217126.3/44

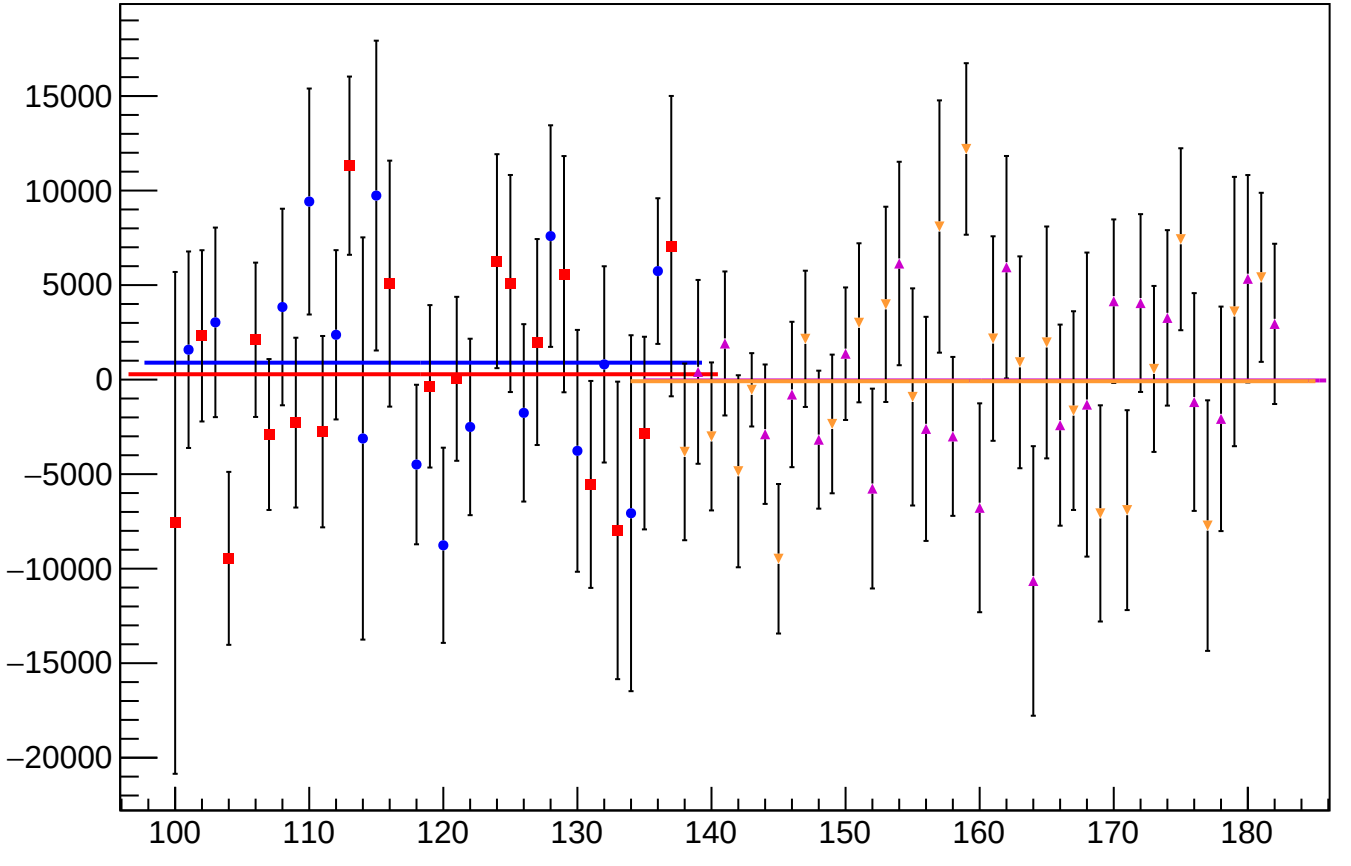
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.879+/-0.179 χ^2/NDF:556015.9/37

Out: 1279.478+/-0.180 χ^2/NDF:510832.3/41

All: 1273.163+/-0.127 χ^2/NDF: 1069313.6/79

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -84.671+/-909.481 χ^2/NDF:27.7/22

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -44.524+/-1005.630 χ^2/NDF:13.8/21

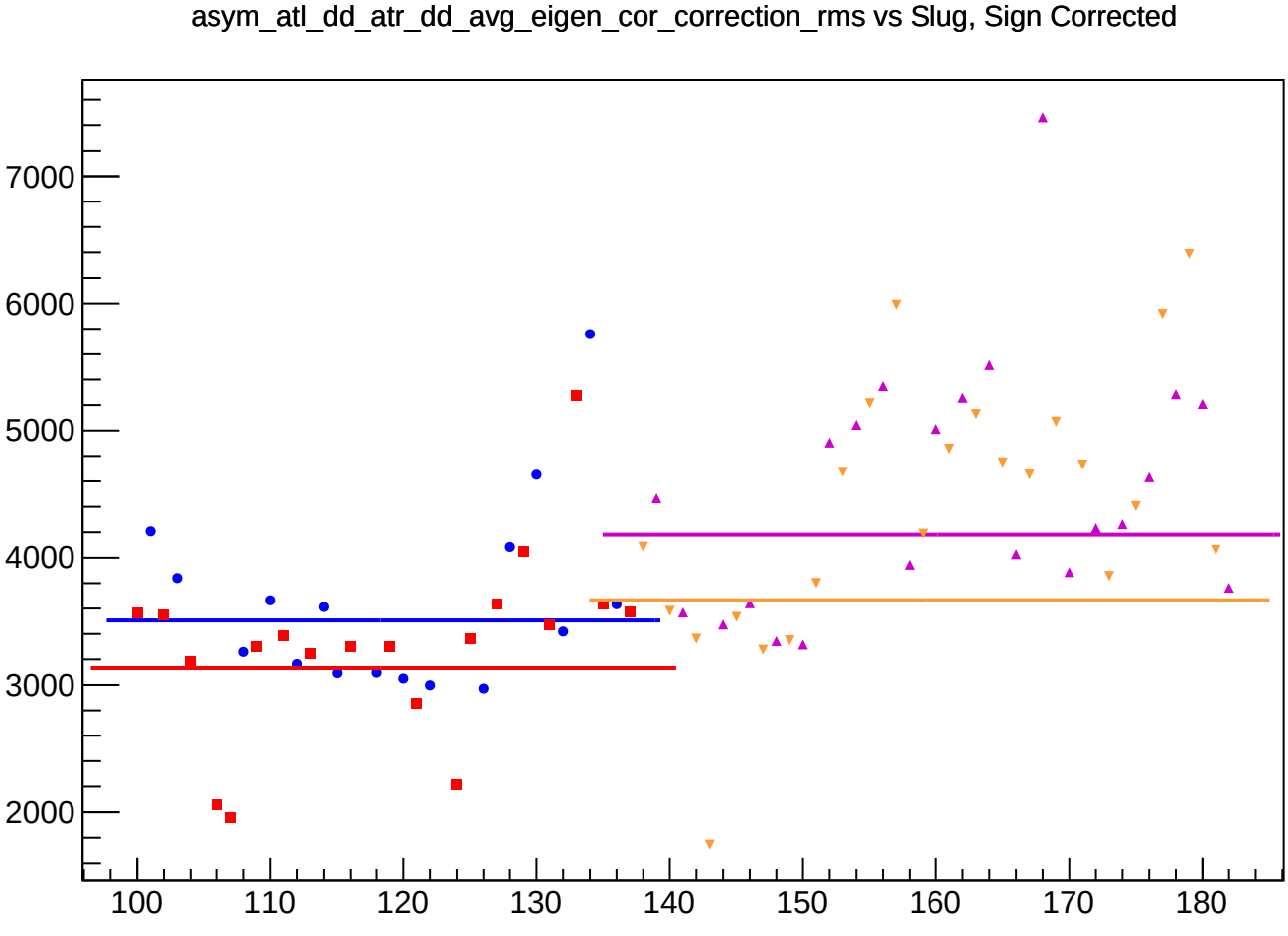
Left: -66.608+/-674.538 χ^2/NDF: 41.4/44

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 299.296+/-801.004 χ^2/NDF:28.2/37

Out: 52.244+/-721.068 χ^2/NDF:46.4/41

All: 162.831+/-535.911 χ^2/NDF: 74.6/79



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3665.160+/-0.643 χ^2/NDF:3675073.2/22

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4181.297+/-0.711 χ^2/NDF:1269133.7/21

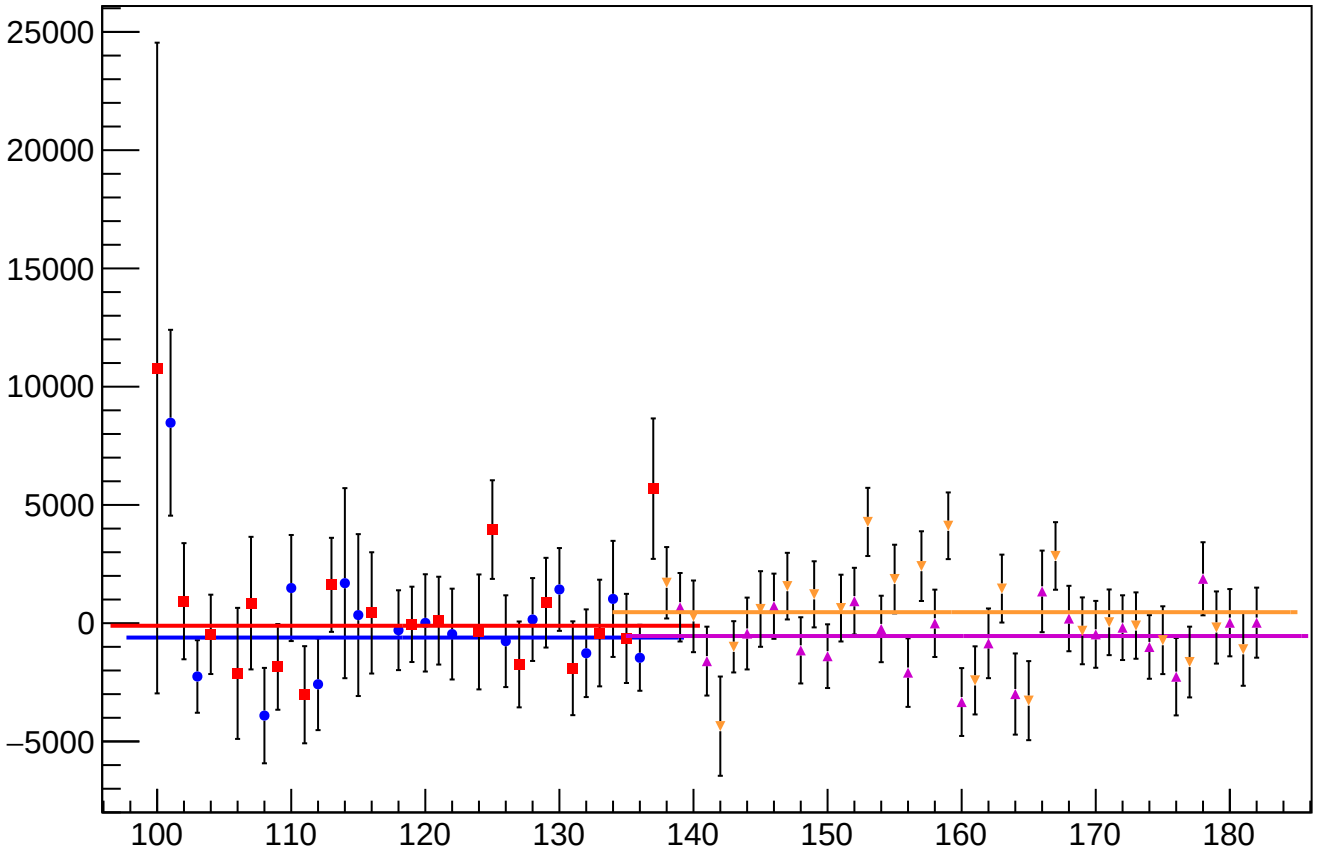
Left: 3897.381+/-0.477 χ^2/NDF: 5234013.6/44

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3934.615+/-0.566 χ^2/NDF:1951582.7/37

Out: 3467.355+/-0.510 χ^2/NDF:4579402.4/41

All: 3676.513+/-0.379 χ^2/NDF: 6906917.5/79



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 465.770+/-302.813 χ^2/NDF:41.8/22

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -542.806+/-309.764 χ^2/NDF:16.5/21

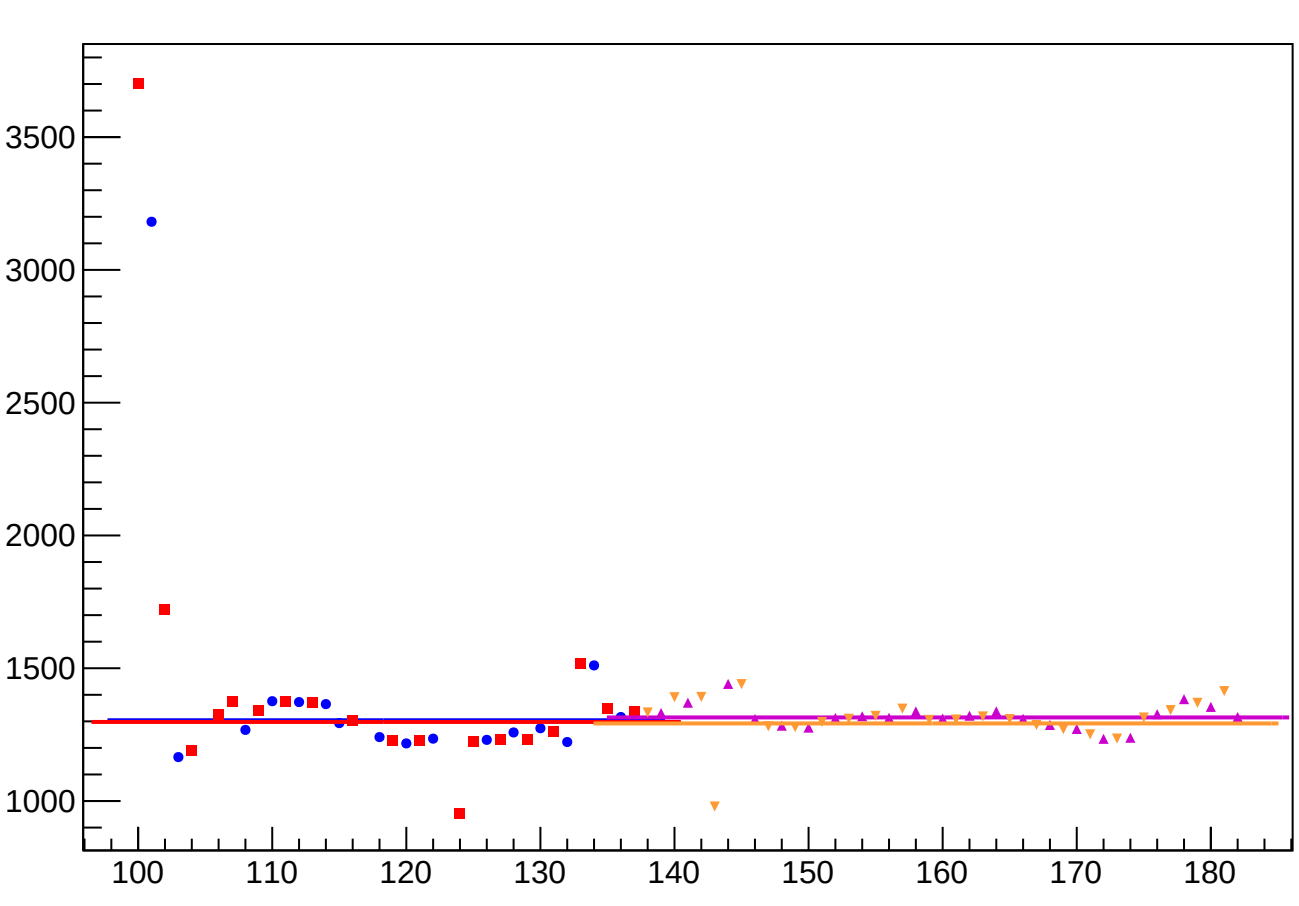
Left: -27.076+/-216.537 χ^2/NDF: 63.7/44

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -561.148+/-262.464 χ^2/NDF:30.6/37

Out: 304.929+/-256.941 χ^2/NDF:57.7/41

All: -118.902+/-183.606 χ^2/NDF: 93.9/79



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1292.099+/-0.214 χ^2/NDF:229751.7/22

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.793+/-0.219 χ^2/NDF:42303.0/21

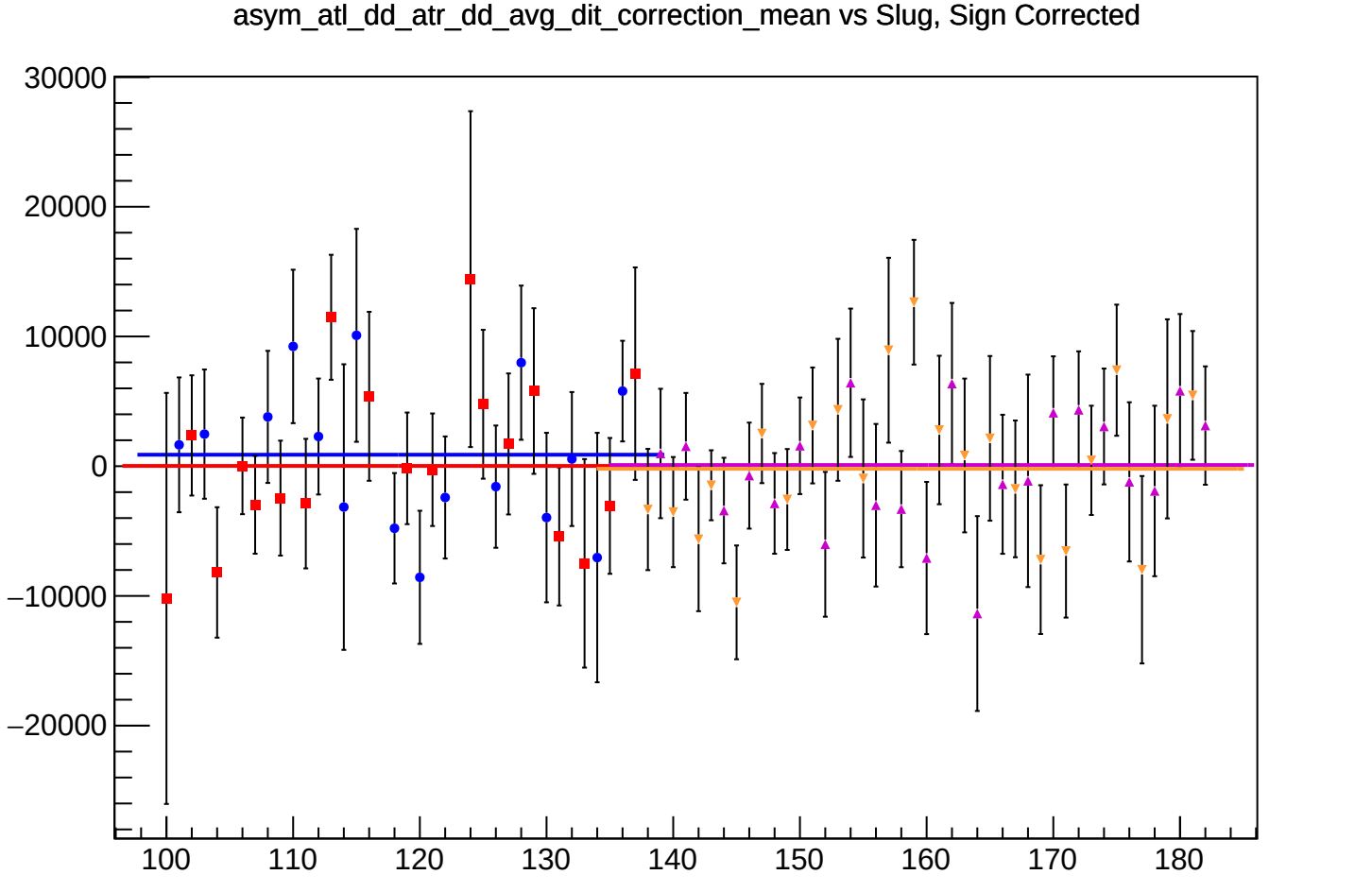
Left: 1303.189+/-0.153 χ^2/NDF: 277543.7/44

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1311.777+/-0.186 χ^2/NDF:553564.3/37

Out: 1293.696+/-0.182 χ^2/NDF:443047.0/41

All: 1302.543+/-0.130 χ^2/NDF: 1001459.2/79



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -201.438+/-1004.291 χ^2/NDF:27.2/22

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 89.972+/-1055.954 χ^2/NDF:13.6/21

Left: -63.036+/-727.720 χ^2/NDF: 40.8/44

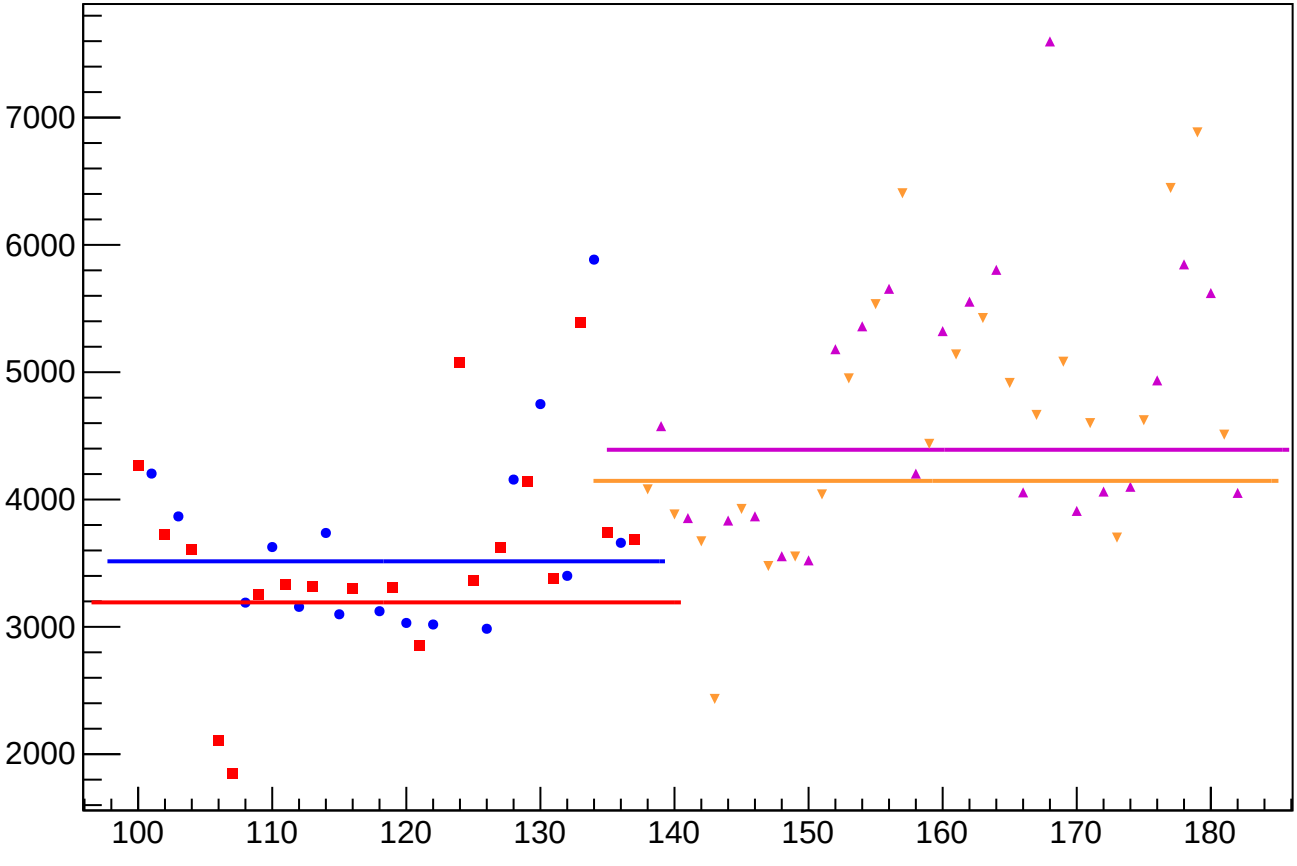
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 397.733+/-826.370 χ^2/NDF:27.9/37

Out: -109.946+/-770.166 χ^2/NDF:44.1/41

All: 126.043+/-563.412 χ^2/NDF: 72.2/79

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4146.558+/-0.710 χ^2/NDF:2077011.7/22

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4390.854+/-0.747 χ^2/NDF:1251583.3/21

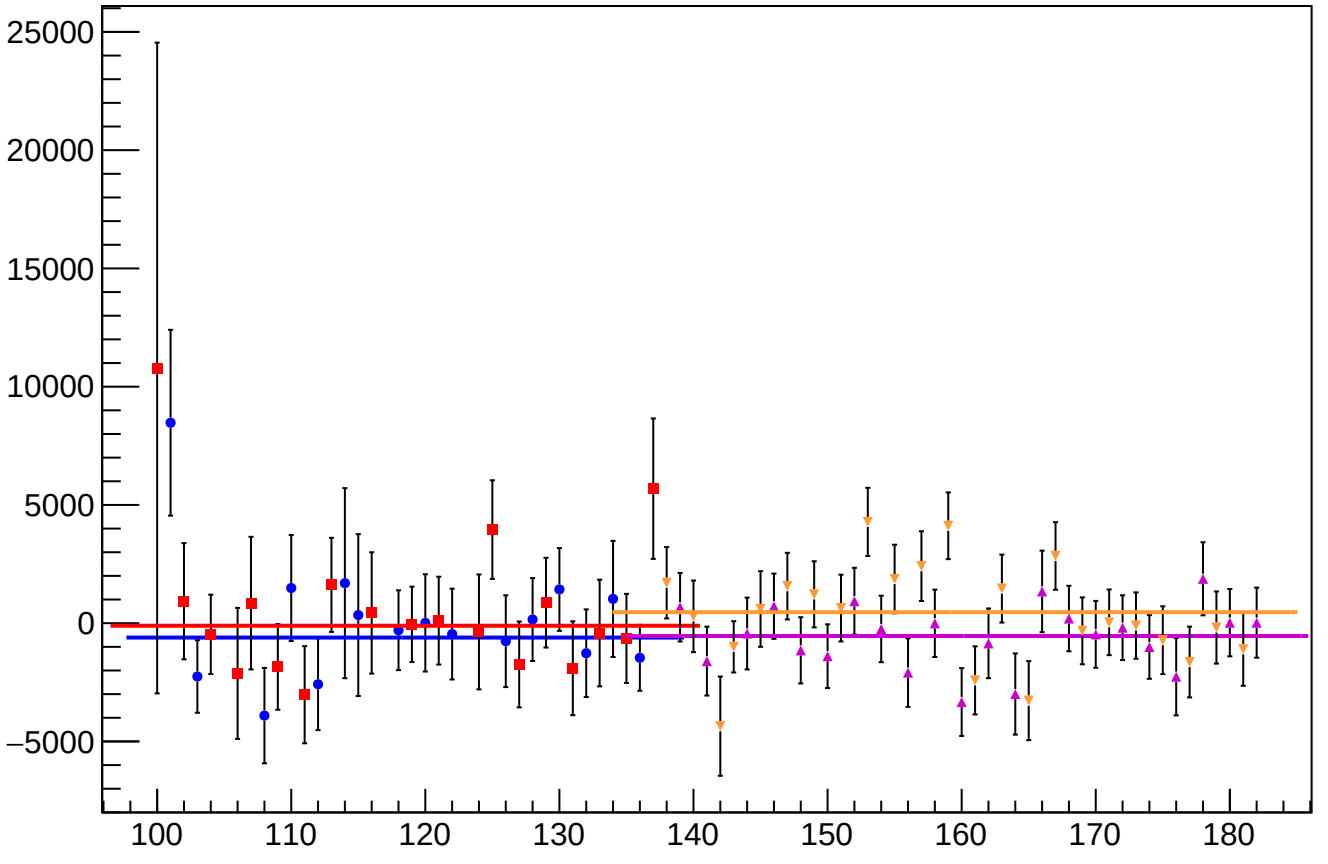
Left: 4262.584+/-0.515 χ^2/NDF: 3384801.1/44

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4051.304+/-0.584 χ^2/NDF:2160245.0/37

Out: 3753.456+/-0.545 χ^2/NDF:3593425.4/41

All: 3891.908+/-0.398 χ^2/NDF: 5892714.7/79



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 465.773+/-302.814 χ^2/NDF:41.8/22

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -542.806+/-309.764 χ^2/NDF:16.5/21

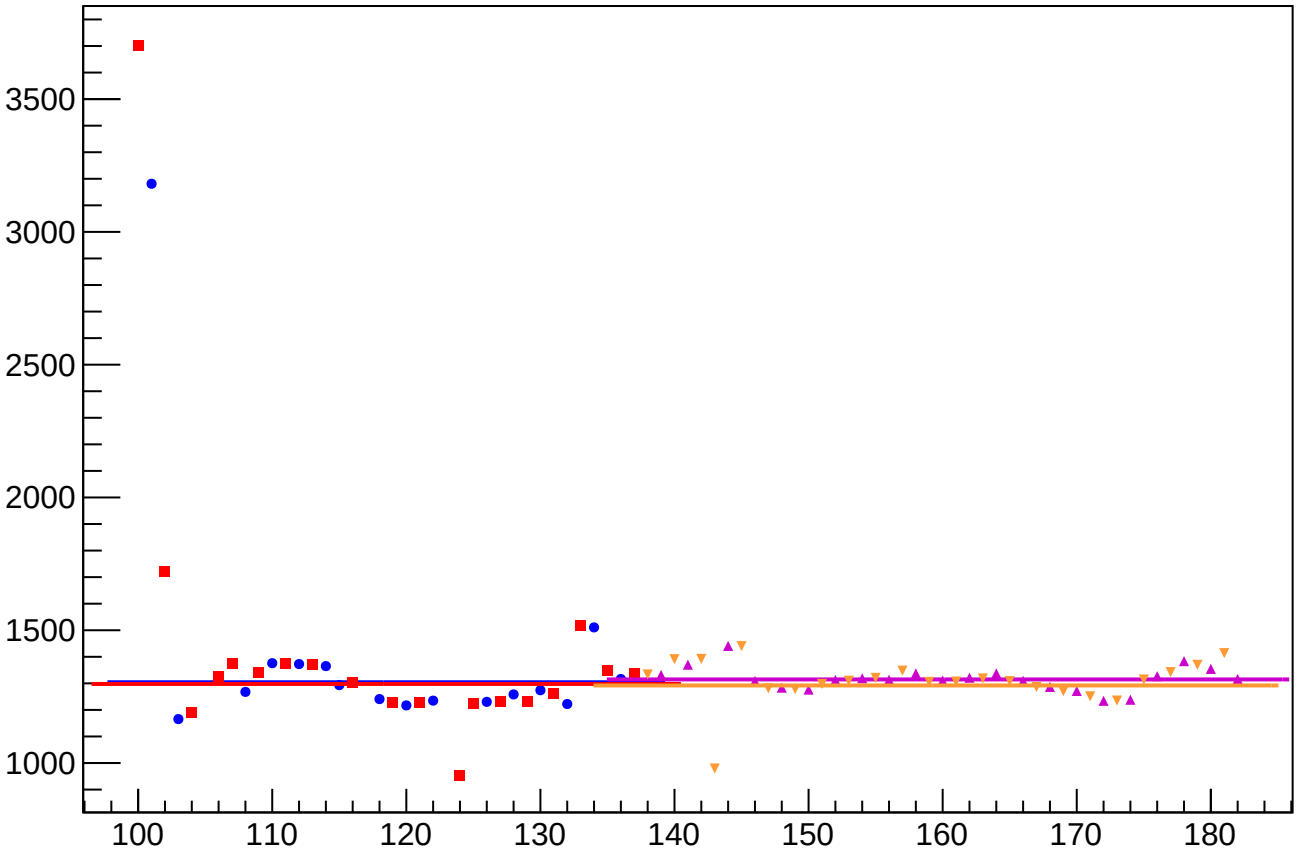
Left: -27.075+/-216.537 χ^2/NDF: 63.7/44

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -561.149+/-262.464 χ^2/NDF:30.6/37

Out: 304.929+/-256.942 χ^2/NDF:57.7/41

All: -118.902+/-183.607 χ^2/NDF: 93.9/79



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1292.100+/-0.214 χ^2/NDF:229754.2/22

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.794+/-0.219 χ^2/NDF:42305.1/21

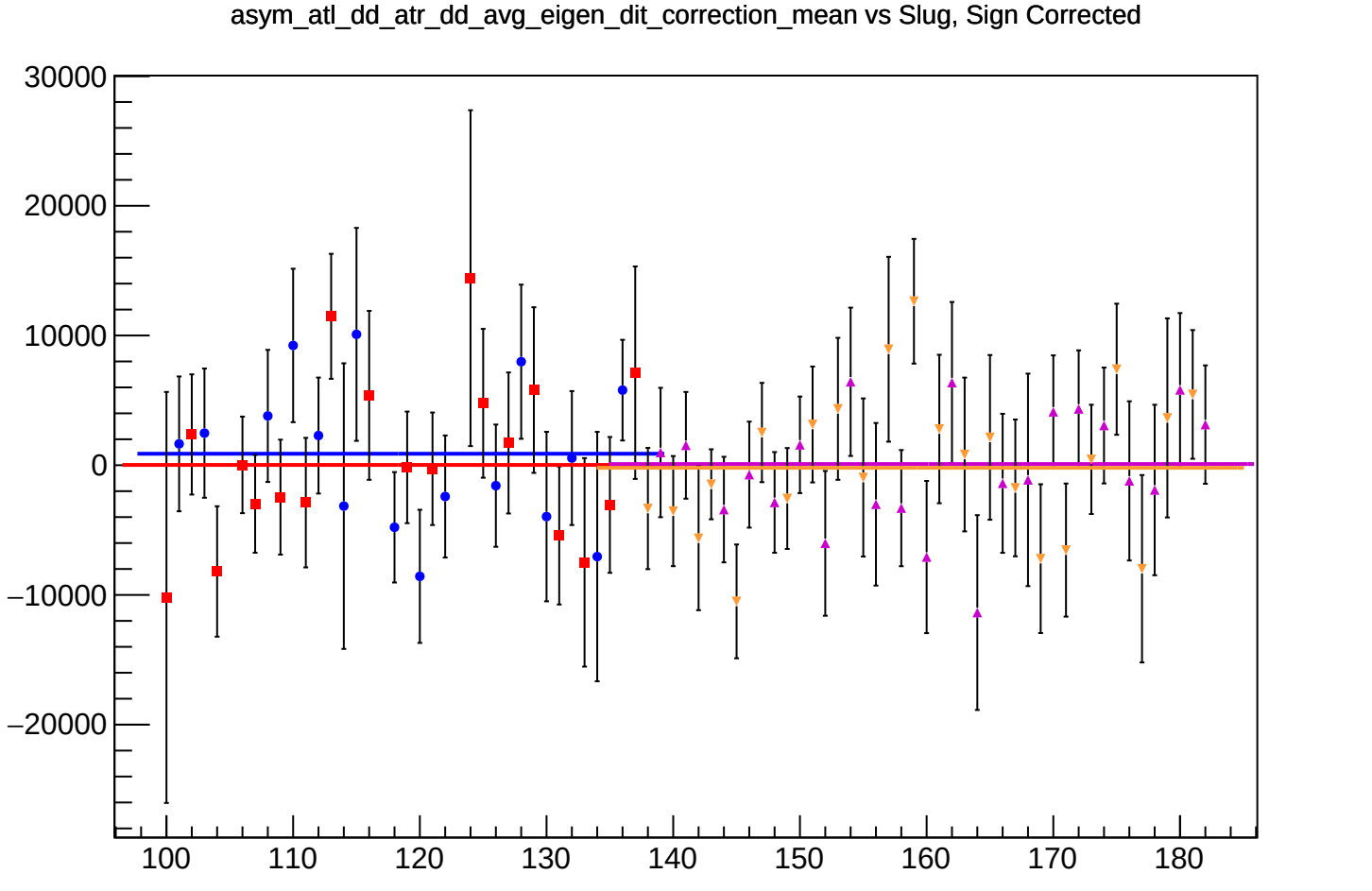
Left: 1303.190+/-0.153 χ^2/NDF: 277548.4/44

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1311.778+/-0.186 χ^2/NDF:553566.8/37

Out: 1293.697+/-0.182 χ^2/NDF:443049.5/41

All: 1302.544+/-0.130 χ^2/NDF: 1001464.2/79



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -201.435+/-1004.293 χ^2/NDF:27.2/22

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 89.973+/-1055.956 χ^2/NDF:13.6/21

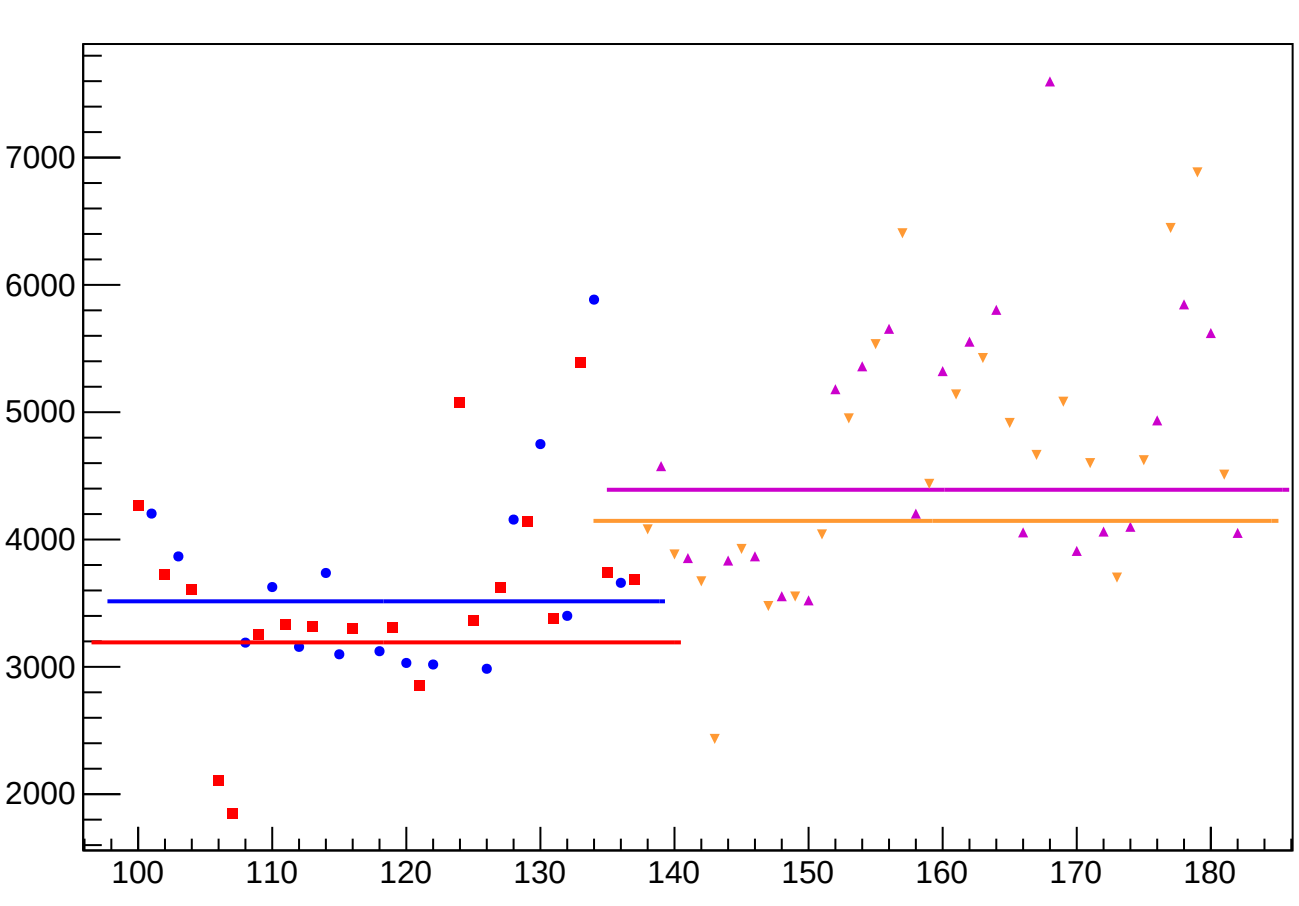
Left: -63.034+/-727.721 χ^2/NDF: 40.8/44

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 397.731+/-826.370 χ^2/NDF:27.9/37

Out: -109.946+/-770.166 χ^2/NDF:44.1/41

All: 126.042+/-563.412 χ^2/NDF: 72.2/79



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4146.564+/-0.710 χ^2/NDF:2077014.6/22

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4390.861+/-0.747 χ^2/NDF:1251587.6/21

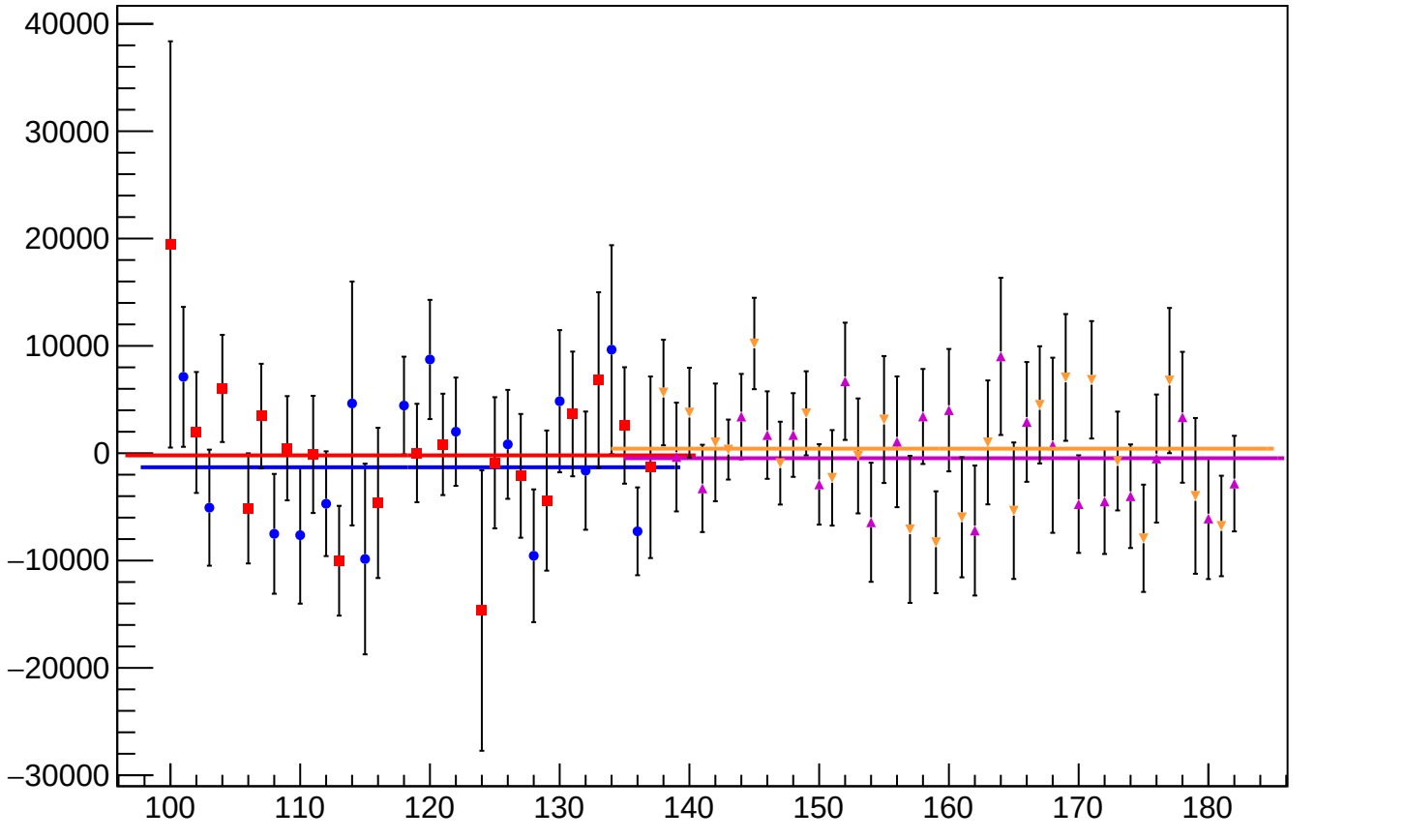
Left: 4262.591+/-0.515 χ^2/NDF: 3384808.2/44

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4051.303+/-0.584 χ^2/NDF:2160273.7/37

Out: 3753.455+/-0.545 χ^2/NDF:3593453.8/41

All: 3891.907+/-0.398 χ^2/NDF: 5892771.9/79



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 425.460+/-1008.552 χ^2/NDF:24.9/22

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -465.712+/-1055.508 χ^2/NDF:13.8/21

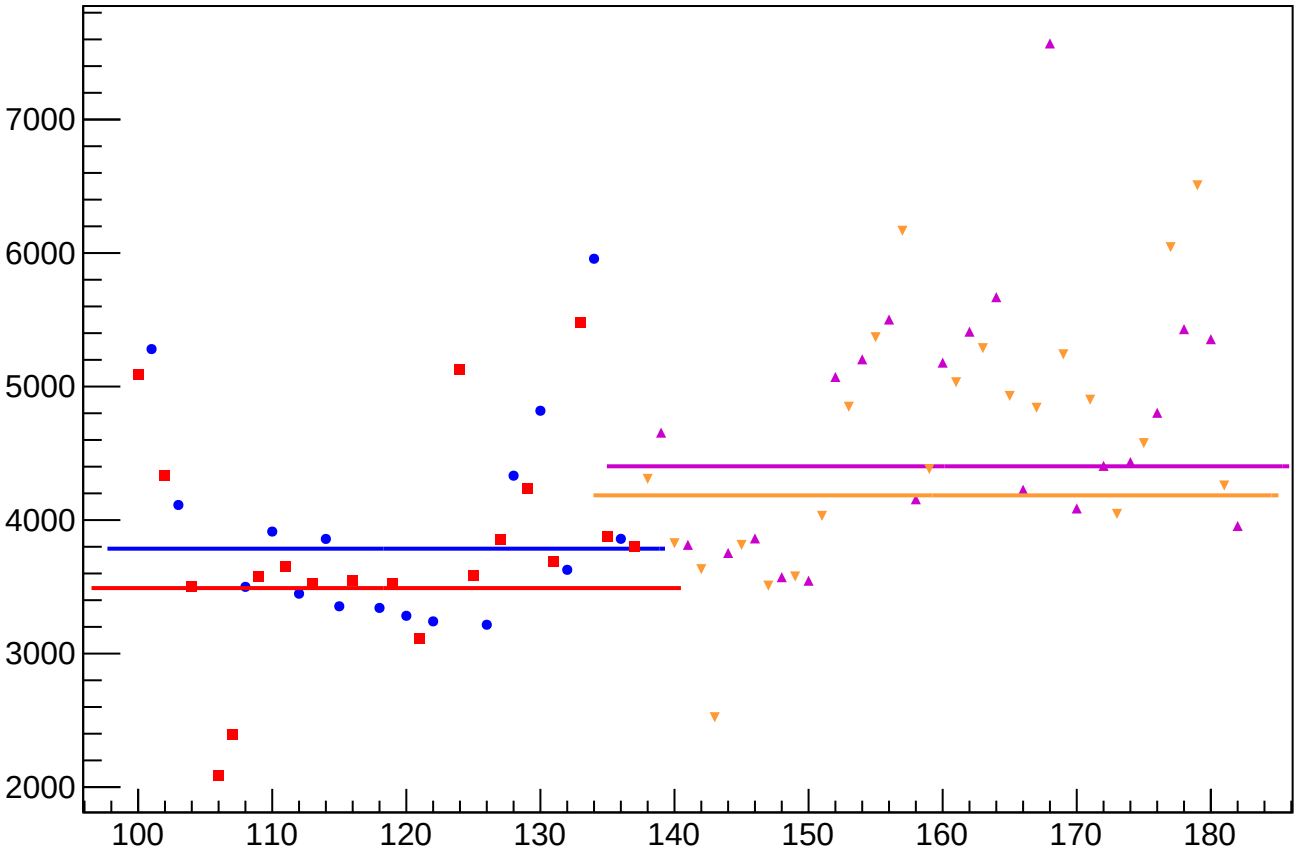
Left: 0.137+/-729.189 χ^2/NDF: 39.1/44

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -762.804+/-849.565 χ^2/NDF:31.6/37

Out: 197.848+/-804.957 χ^2/NDF:36.7/41

All: -256.596+/-584.324 χ^2/NDF: 69.0/79



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4185.197+/-0.713 χ^2/NDF:1796091.9/22

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4402.755+/-0.746 χ^2/NDF:1082128.6/21

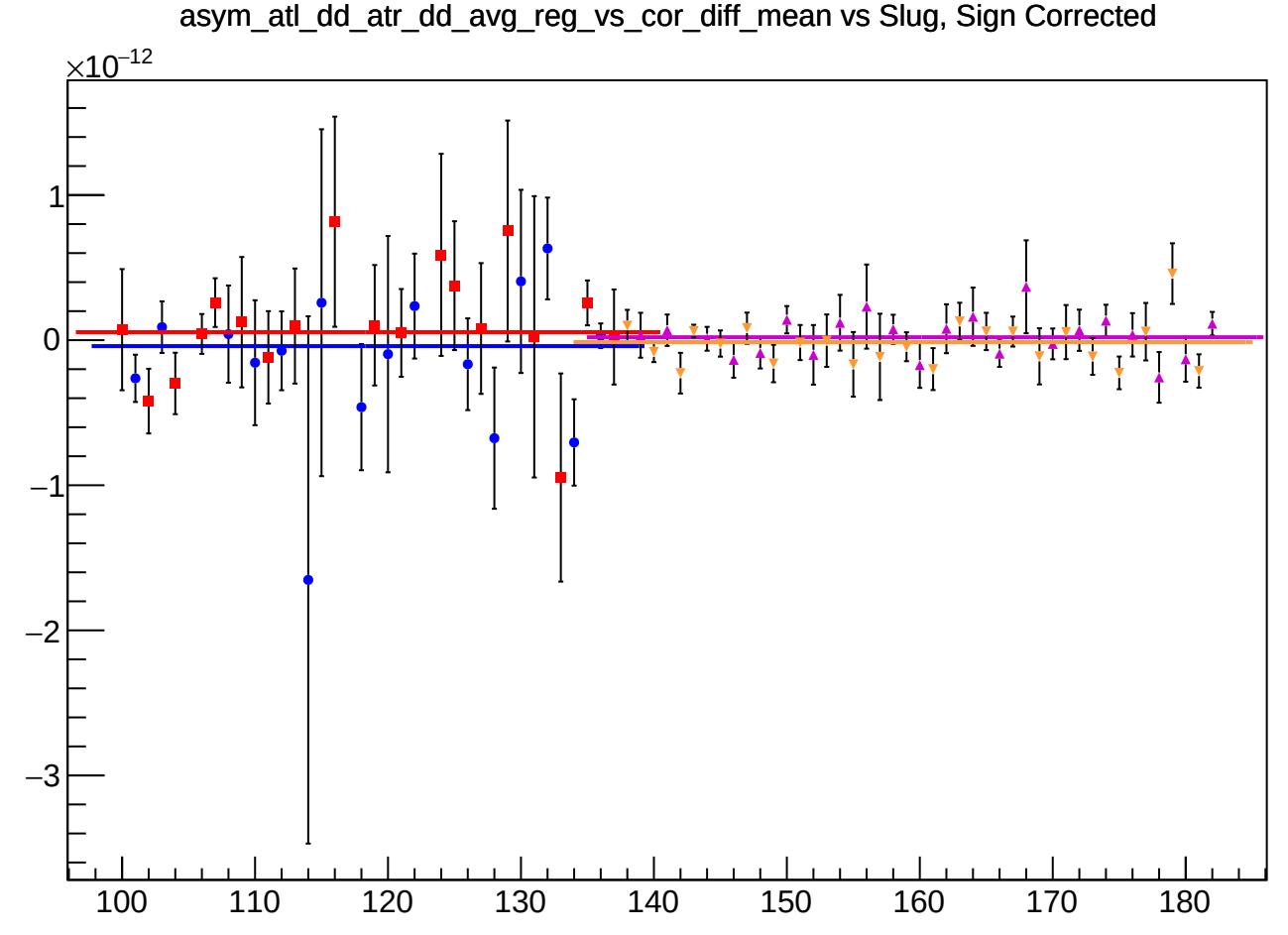
Left: 4289.029+/-0.516 χ^2/NDF: 2922636.6/44

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4185.479+/-0.601 χ^2/NDF:1705774.3/37

Out: 3928.646+/-0.566 χ^2/NDF:2733179.7/41

All: 4049.500+/-0.412 χ^2/NDF: 4535728.2/79



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/21

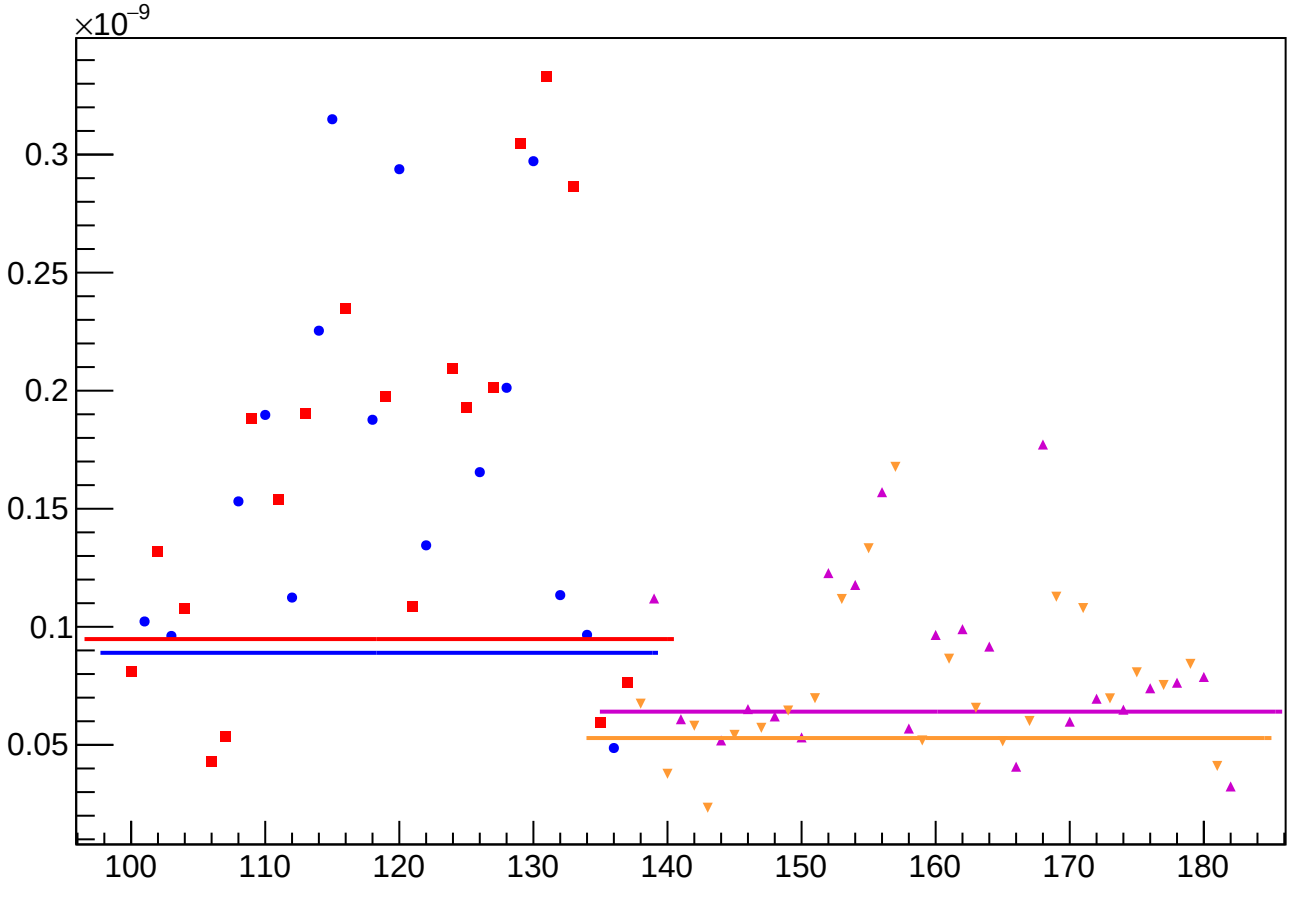
Left: 0.000+/-0.000 χ^2/NDF: 44.4/44

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:34.5/37

Out: -0.000+/-0.000 χ^2/NDF:43.5/41

All: 0.000+/-0.000 χ^2/NDF: 78.2/79



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2614098.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1736248.0/21

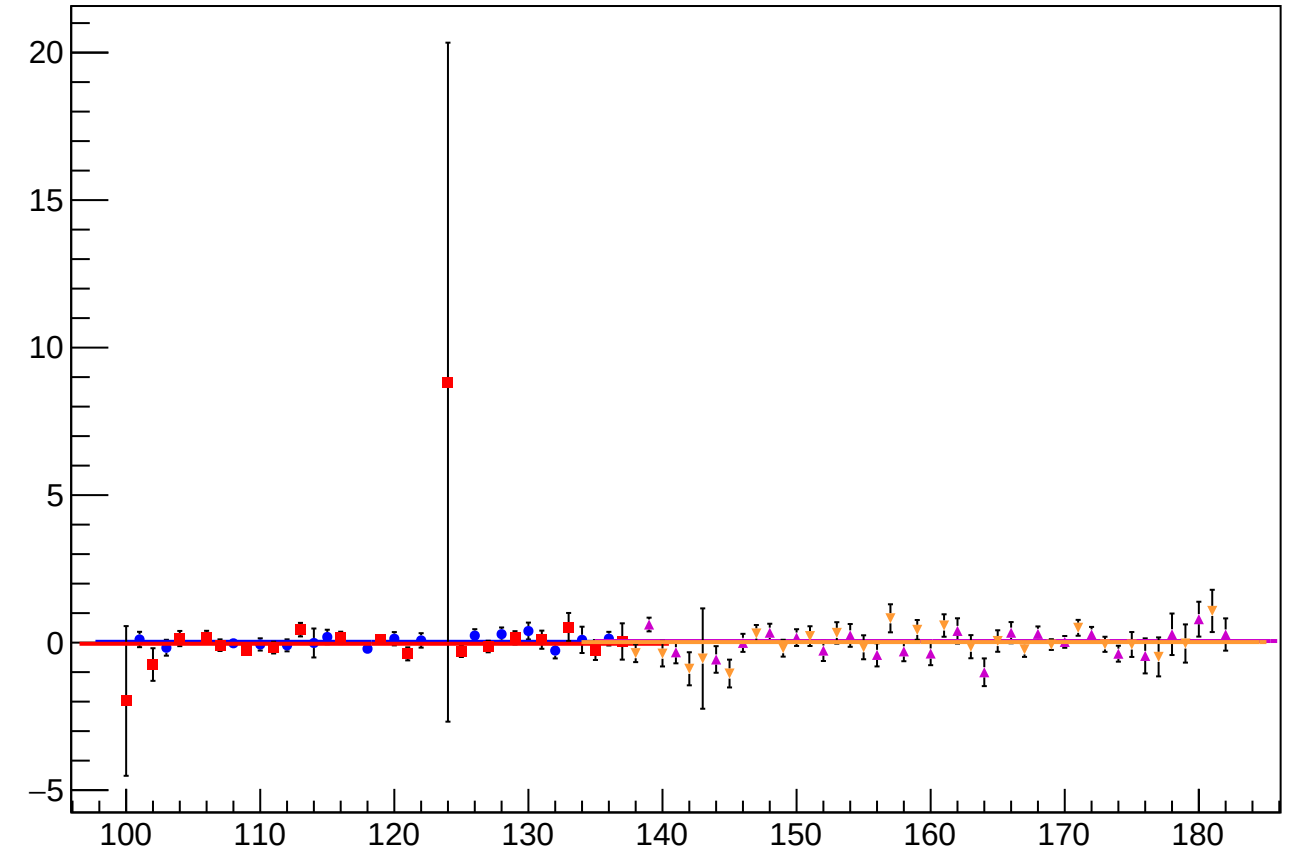
Left: 0.000+/-0.000 χ^2/NDF: 4555526.9/44

Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3493949.7/37

Out: 0.000+/-0.000 χ^2/NDF:5111328.0/41

All: 0.000+/-0.000 χ^2/NDF: 8823122.8/79



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.018+/-0.072 χ^2/NDF:27.0/22

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.054+/-0.071 χ^2/NDF:27.7/21

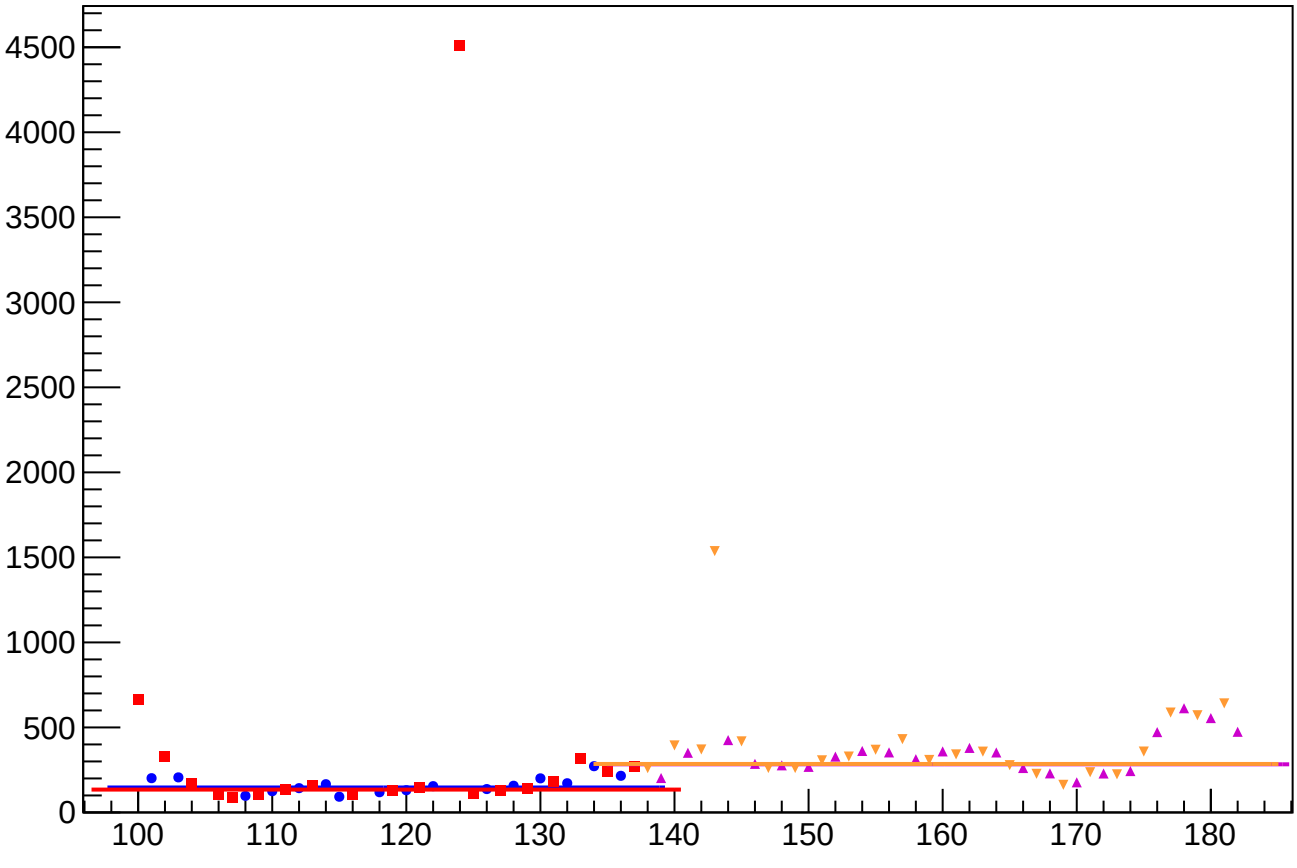
Left: 0.037+/-0.051 χ^2/NDF: 54.9/44

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.018+/-0.044 χ^2/NDF:47.4/41

All: 0.009+/-0.031 χ^2/NDF: 85.5/79



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 285.190+/-0.051 χ^2/NDF:4442266.0/22

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 283.124+/-0.050 χ^2/NDF:3030589.5/21

Left: 284.136+/-0.036 χ^2/NDF: 7473691.8/44

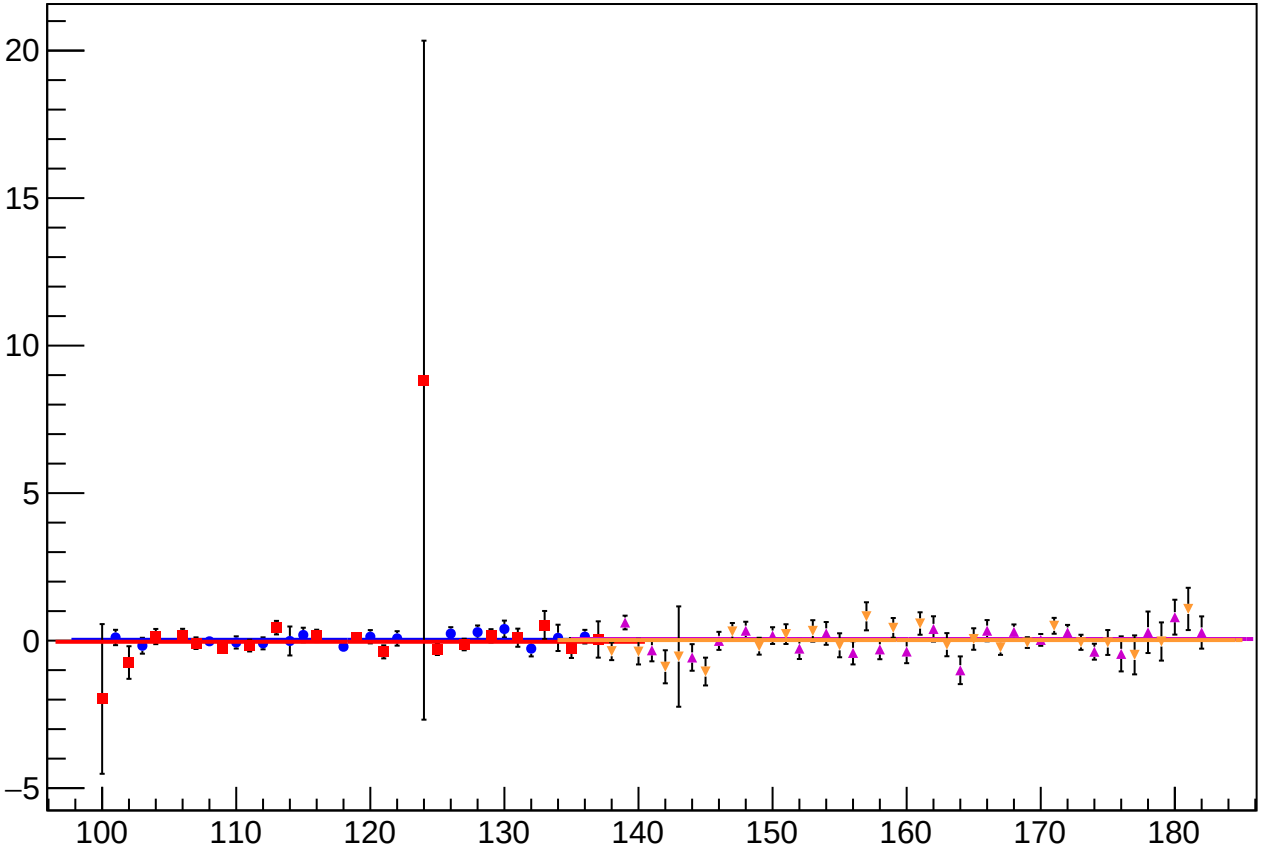
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 201.288+/-0.032 χ^2/NDF:8487835.3/37

Out: 189.624+/-0.031 χ^2/NDF:11584381.2/41

All: 195.312+/-0.022 χ^2/NDF: 20141946.9/79

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: 0.018+/-0.072 χ^2/NDF:27.0/22

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.054+/-0.071 χ^2/NDF:27.7/21

Left: 0.037+/-0.051 χ^2/NDF: 54.9/44

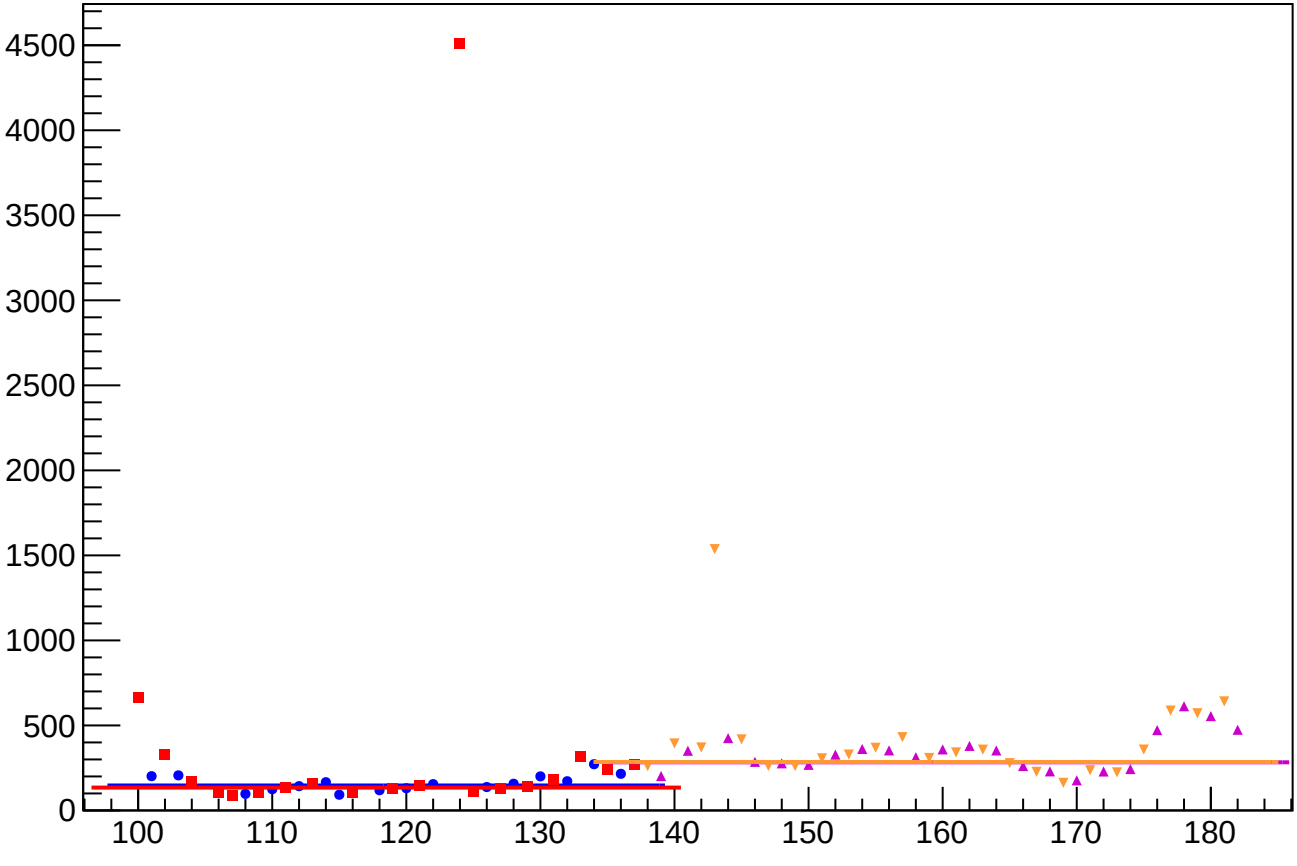
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.018+/-0.044 χ^2/NDF:47.4/41

All: 0.009+/-0.031 χ^2/NDF: 85.5/79

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: 285.190+/-0.051 χ^2/NDF:4442266.0/22

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 283.124+/-0.050 χ^2/NDF:3030589.5/21

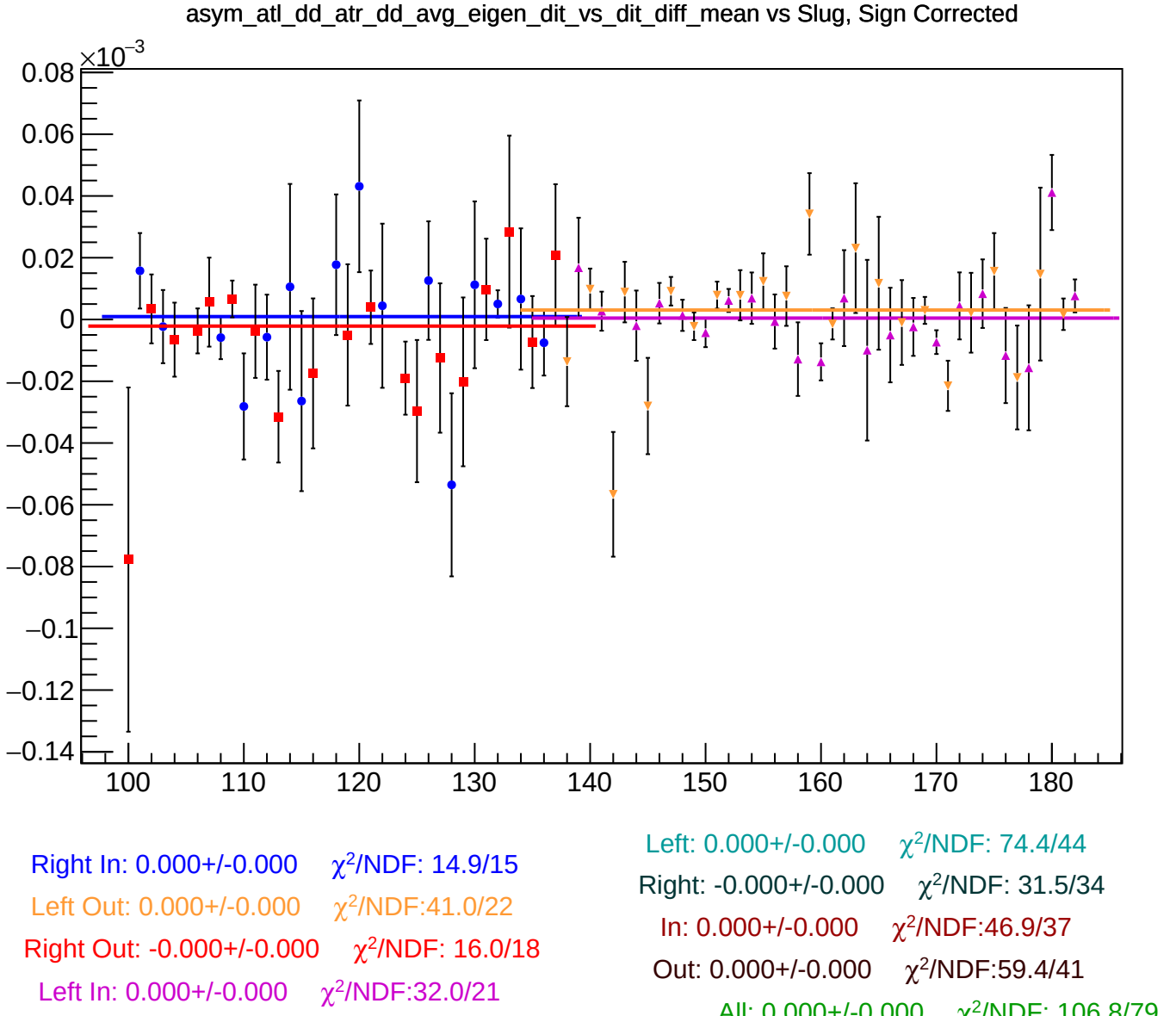
Left: 284.136+/-0.036 χ^2/NDF: 7473691.8/44

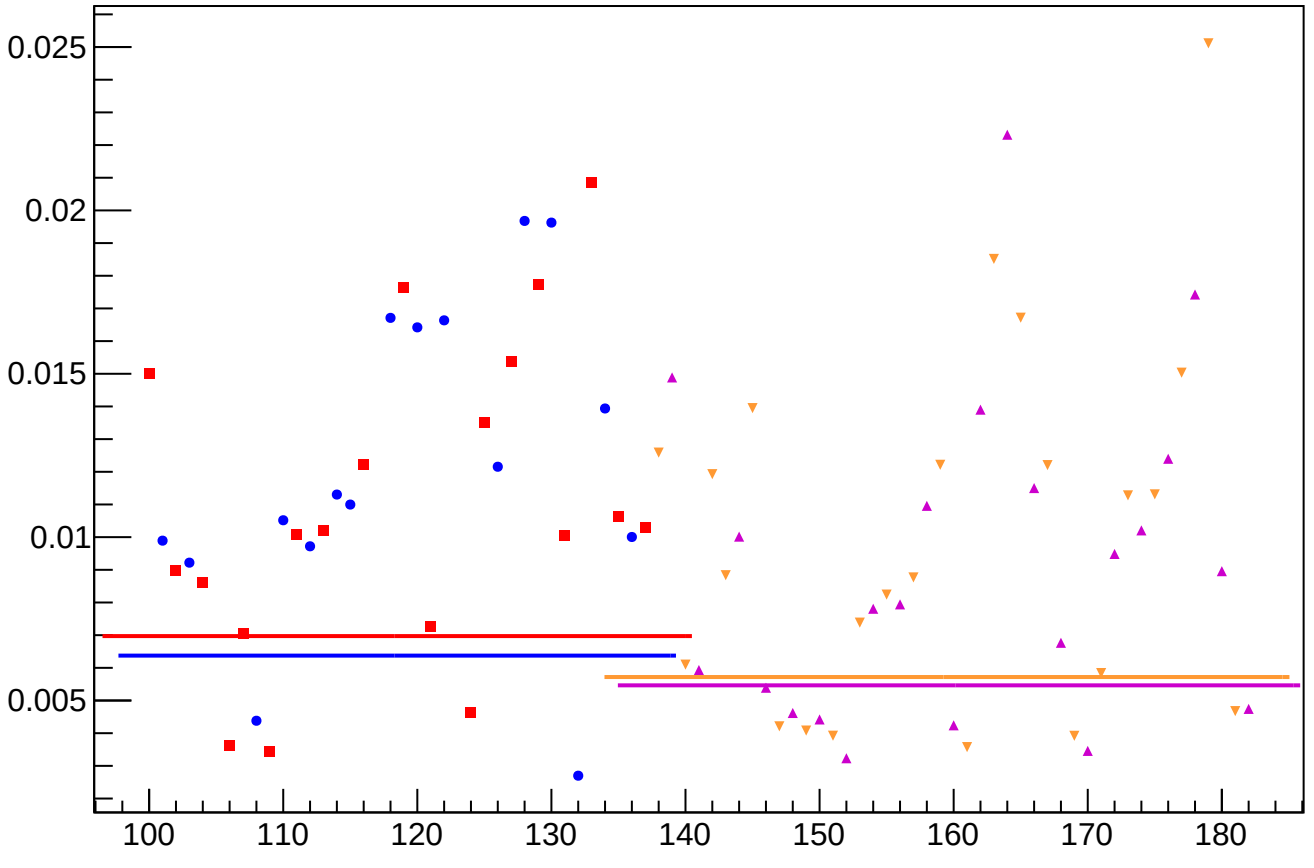
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 201.288+/-0.032 χ^2/NDF:8487835.3/37

Out: 189.624+/-0.031 χ^2/NDF:11584381.2/41

All: 195.312+/-0.022 χ^2/NDF: 20141946.9/79


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:41.0/22
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:32.0/21
Left: 0.000+/-0.000 χ²/NDF: 74.4/44
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:46.9/37
Out: 0.000+/-0.000 χ²/NDF:59.4/41
All: 0.000+/-0.000 χ²/NDF: 106.8/79



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7997784.9/22

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6796454.6/21

Left: 0.006+/-0.000 χ^2/NDF: 14821432.7/44

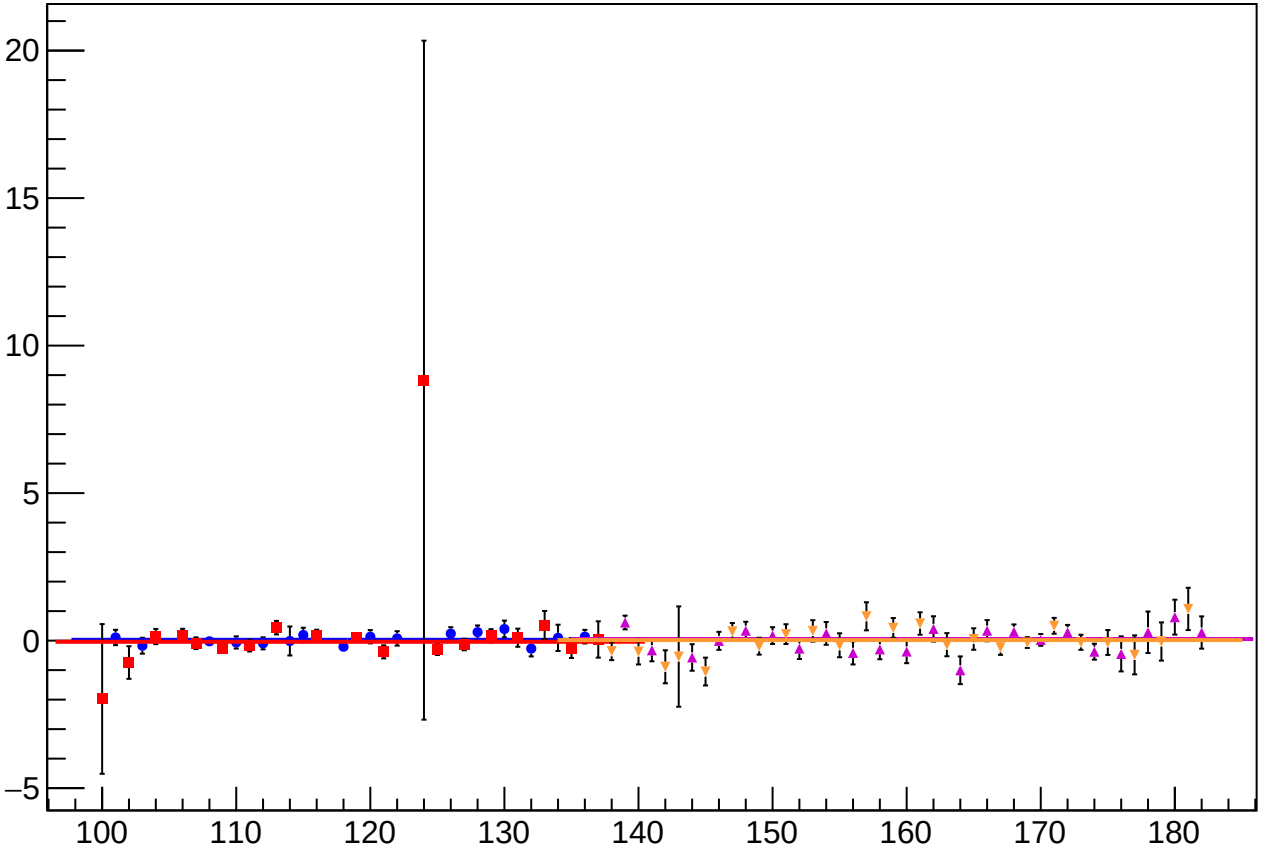
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11588422.5/37

Out: 0.006+/-0.000 χ^2/NDF:11680246.7/41

All: 0.006+/-0.000 χ^2/NDF: 23325506.1/79

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: 0.018+/-0.072 χ^2/NDF:27.0/22

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.054+/-0.071 χ^2/NDF:27.7/21

Left: 0.037+/-0.051 χ^2/NDF: 54.9/44

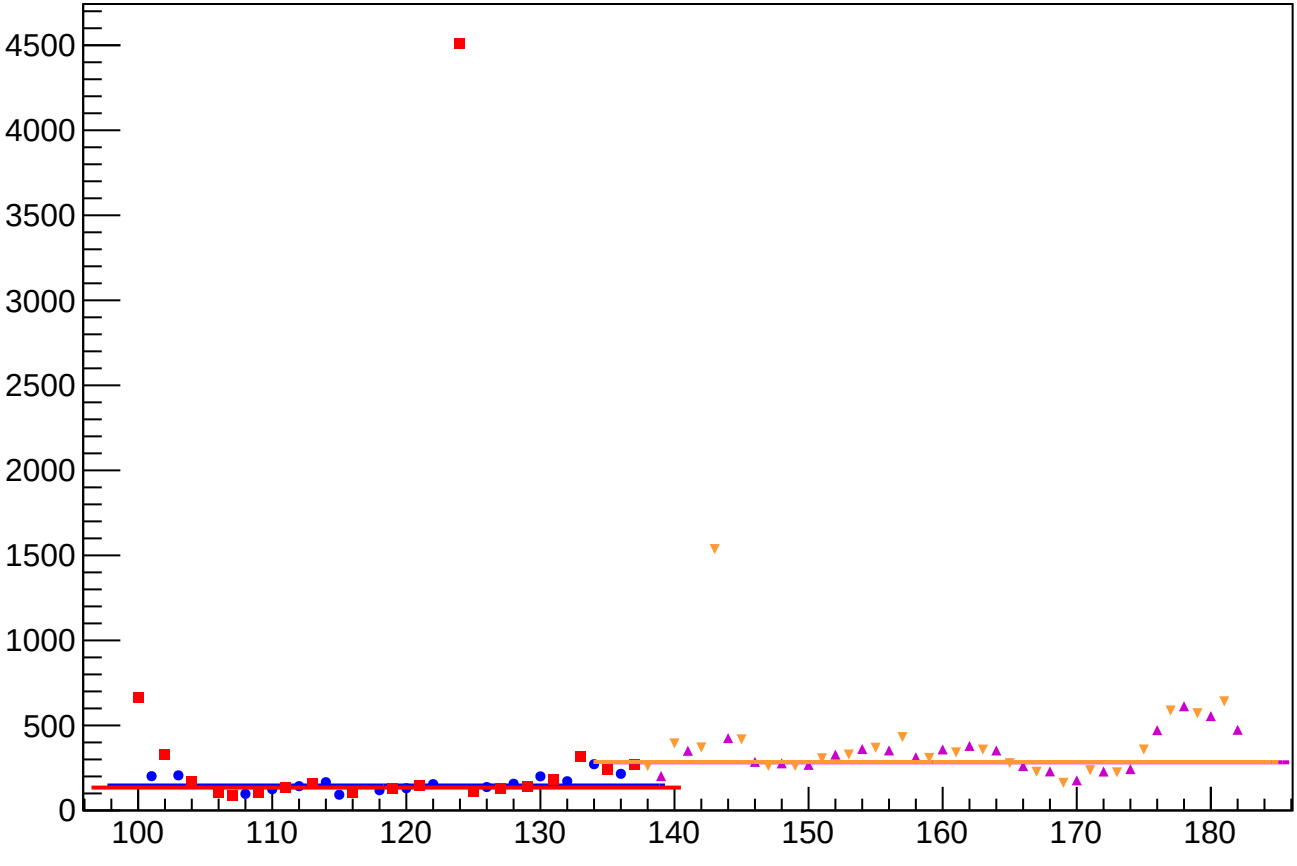
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.018+/-0.044 χ^2/NDF:47.4/41

All: 0.009+/-0.031 χ^2/NDF: 85.5/79

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: 285.190+/-0.051 χ^2/NDF:4442450.0/22

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 283.125+/-0.050 χ^2/NDF:3030693.1/21

Left: 284.137+/-0.036 χ^2/NDF: 7473978.2/44

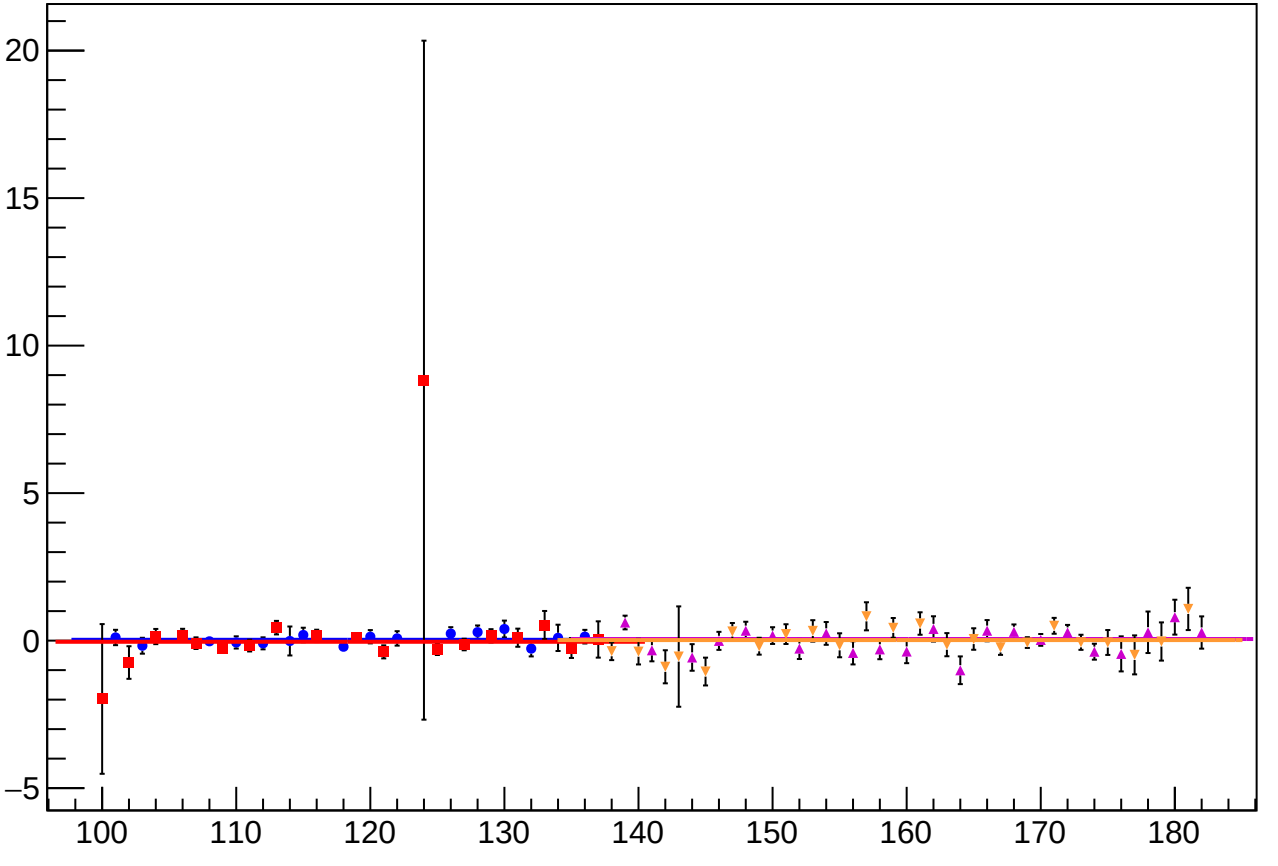
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 201.288+/-0.032 χ^2/NDF:8487953.1/37

Out: 189.625+/-0.031 χ^2/NDF:11584355.6/41

All: 195.313+/-0.022 χ^2/NDF: 20142025.4/79

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: 0.018+/-0.072 χ^2/NDF:27.0/22

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.054+/-0.071 χ^2/NDF:27.7/21

Left: 0.037+/-0.051 χ^2/NDF: 54.9/44

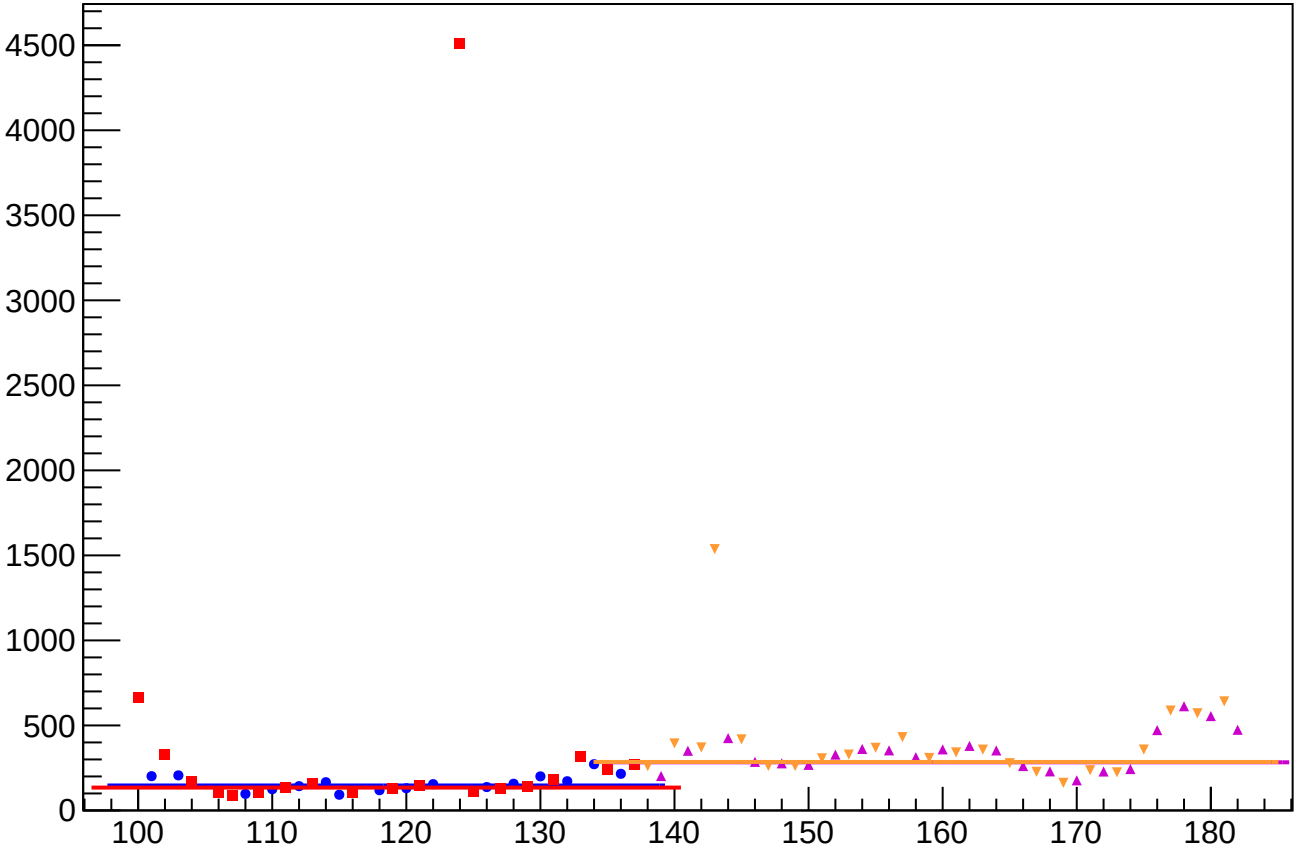
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.018+/-0.044 χ^2/NDF:47.4/41

All: 0.009+/-0.031 χ^2/NDF: 85.5/79

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: 285.190+/-0.051 χ^2/NDF:4442450.0/22

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 283.125+/-0.050 χ^2/NDF:3030693.1/21

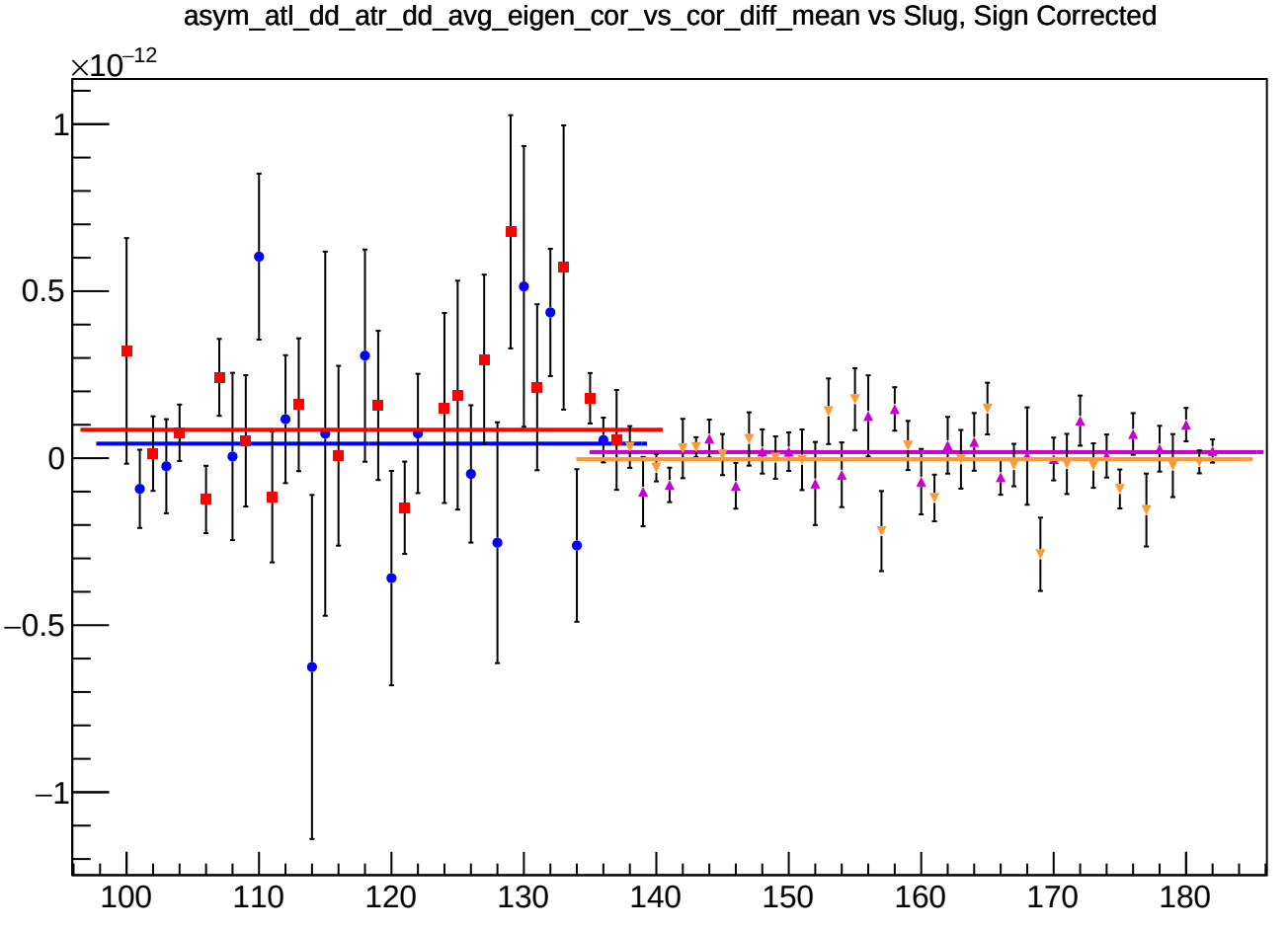
Left: 284.137+/-0.036 χ^2/NDF: 7473978.2/44

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 201.288+/-0.032 χ^2/NDF:8487953.1/37

Out: 189.625+/-0.031 χ^2/NDF:11584355.6/41

All: 195.313+/-0.022 χ^2/NDF: 20142025.4/79



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:21.6/21

Left: 0.000+/-0.000 χ^2/NDF: 53.1/44

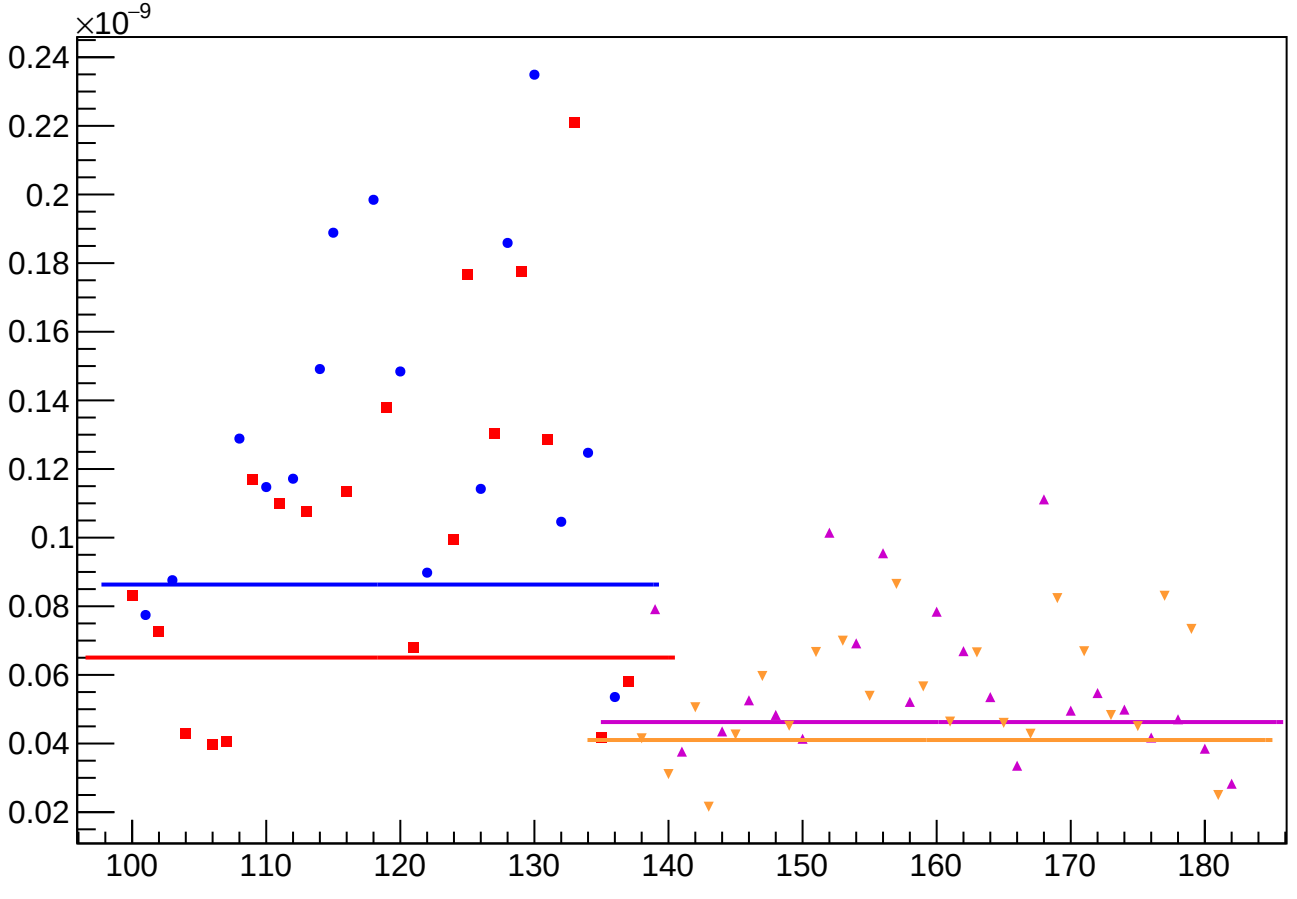
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:40.9/37

Out: 0.000+/-0.000 χ^2/NDF:54.3/41

All: 0.000+/-0.000 χ^2/NDF: 95.7/79

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:3512442.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2636841.6/21

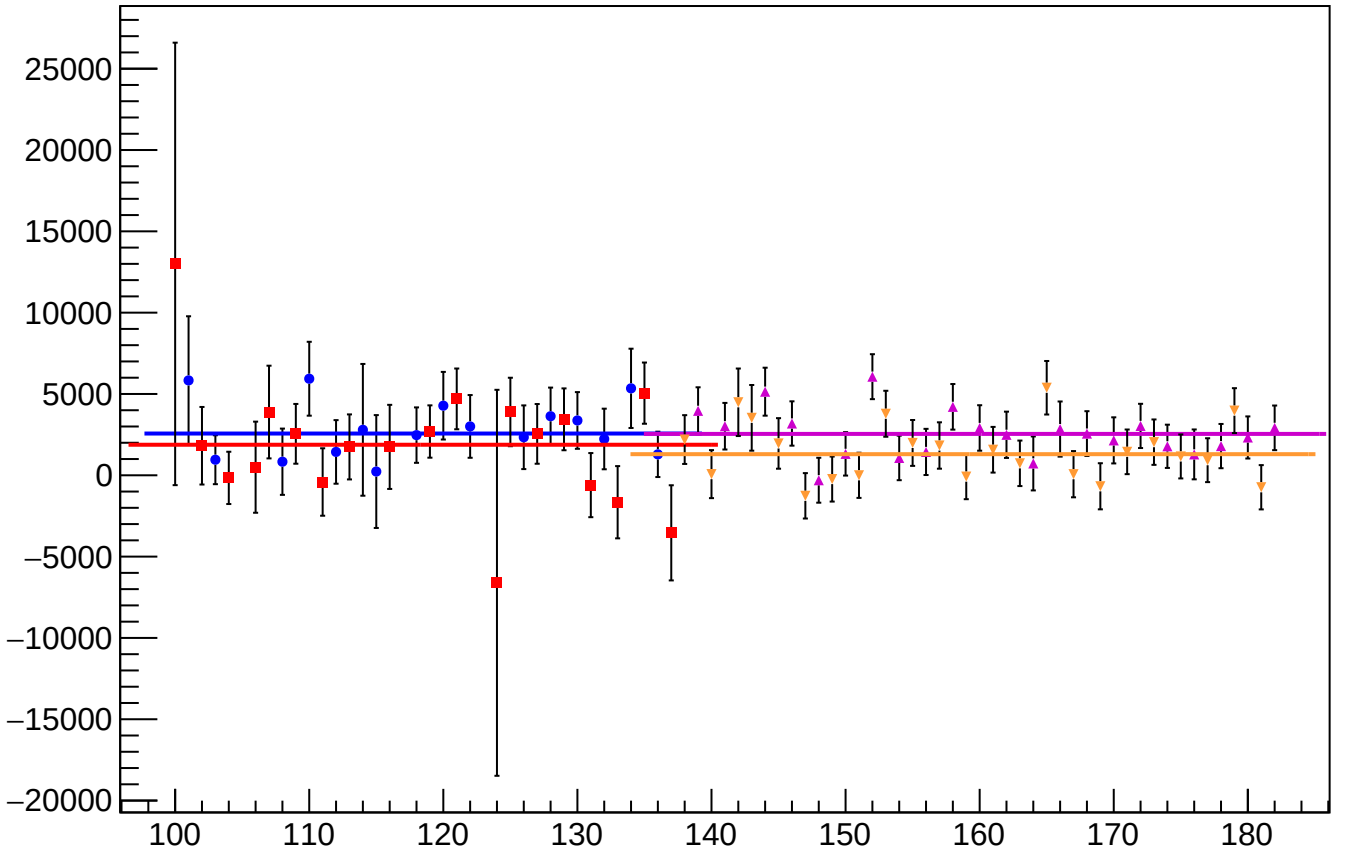
Left: 0.000+/-0.000 χ^2/NDF: 6299831.2/44

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:5791726.0/37

Out: 0.000+/-0.000 χ^2/NDF:6532358.6/41

All: 0.000+/-0.000 χ^2/NDF: 12550590.5/79



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1298.484+/-302.235 χ^2/NDF:30.2/22

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2544.479+/-300.792 χ^2/NDF:22.1/21

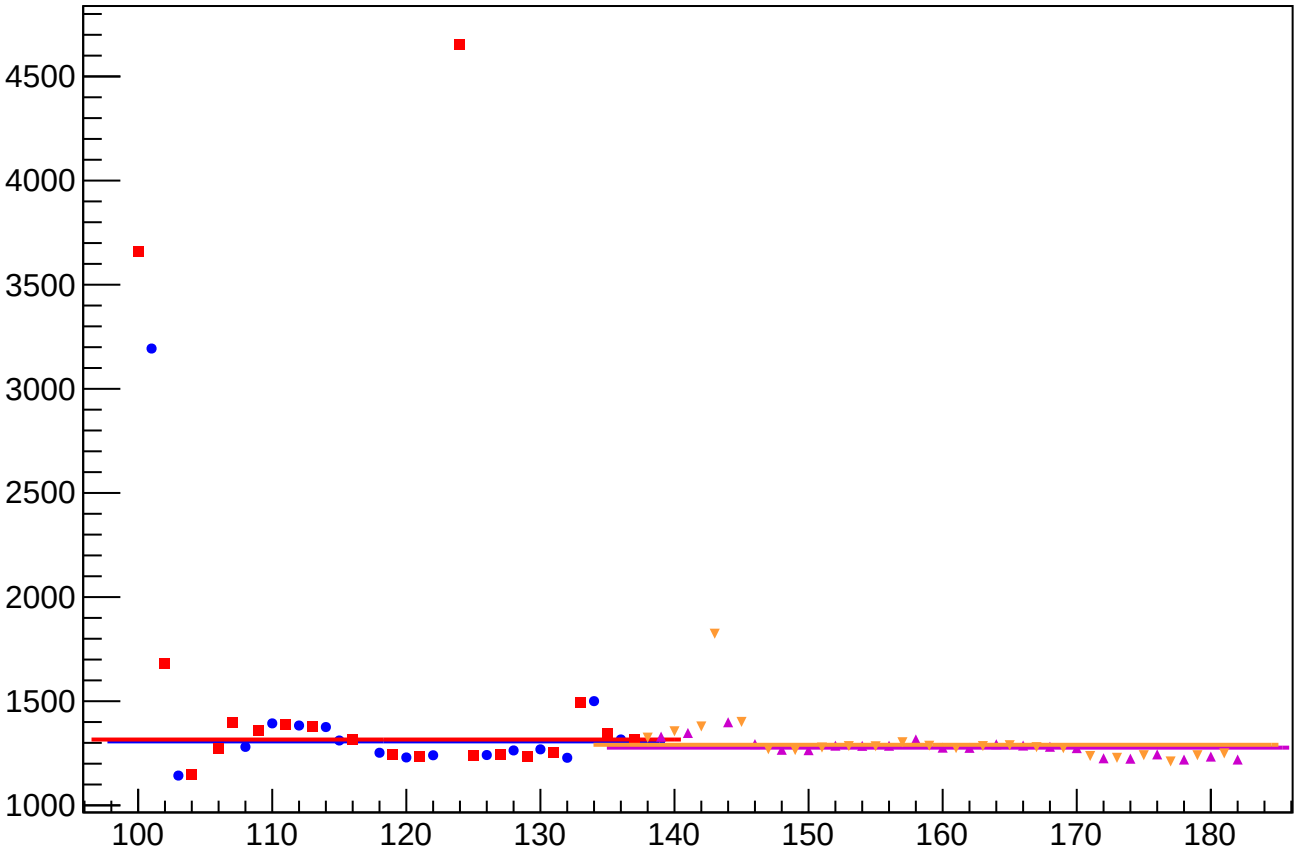
Left: 1924.462+/-213.200 χ^2/NDF: 60.8/44

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2550.670+/-257.105 χ^2/NDF:31.1/37

Out: 1455.997+/-257.913 χ^2/NDF:50.7/41

All: 2005.051+/-182.086 χ^2/NDF: 90.9/79



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1290.753+/-0.214 χ^2/NDF:181696.5/22

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1277.004+/-0.213 χ^2/NDF:39998.8/21

Left: 1283.846+/-0.151 χ^2/NDF: 223774.8/44

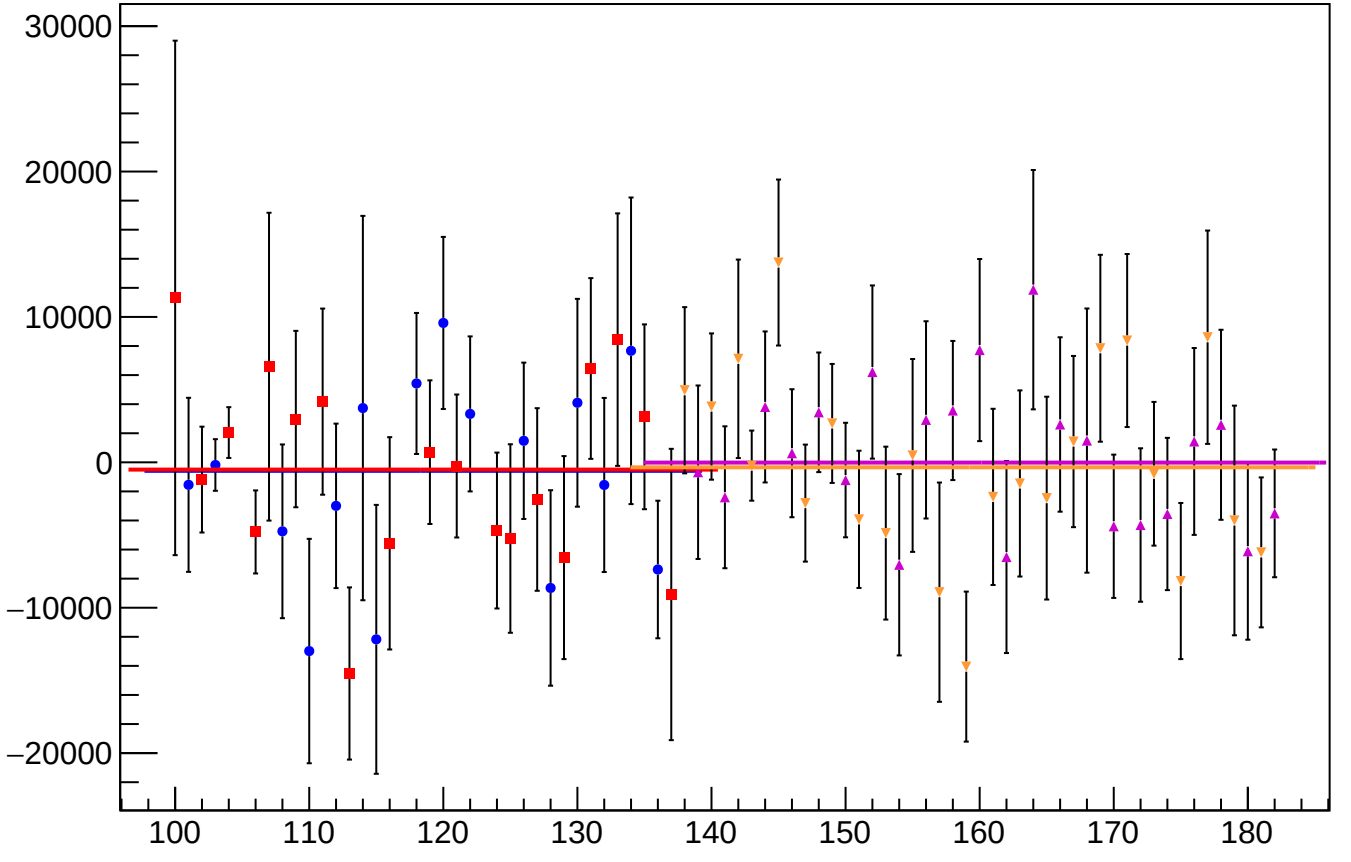
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1285.103+/-0.182 χ^2/NDF:561630.2/37

Out: 1297.642+/-0.182 χ^2/NDF:511924.0/41

All: 1291.357+/-0.129 χ^2/NDF: 1075927.0/79

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: -343.590+/-1073.195 χ^2/NDF:28.5/22

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -17.208+/-1158.794 χ^2/NDF:13.3/21

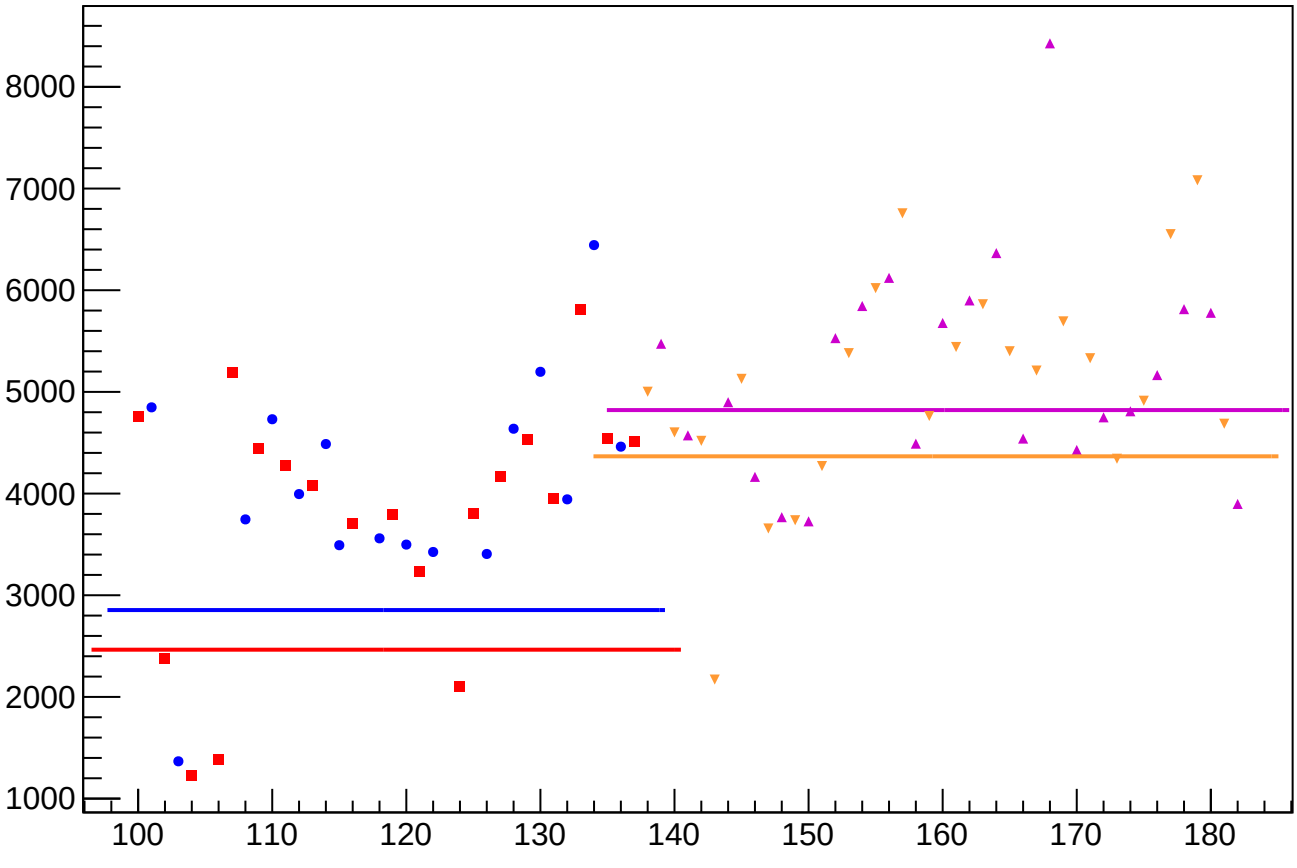
Left: -192.898+/-787.388 χ^2/NDF: 41.8/44

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -291.322+/-831.174 χ^2/NDF:28.1/37

Out: -423.150+/-752.505 χ^2/NDF:46.2/41

All: -363.768+/-557.846 χ^2/NDF: 74.4/79



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4366.382+/-0.759 χ^2/NDF:3067646.3/22

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4821.214+/-0.819 χ^2/NDF:1208126.3/21

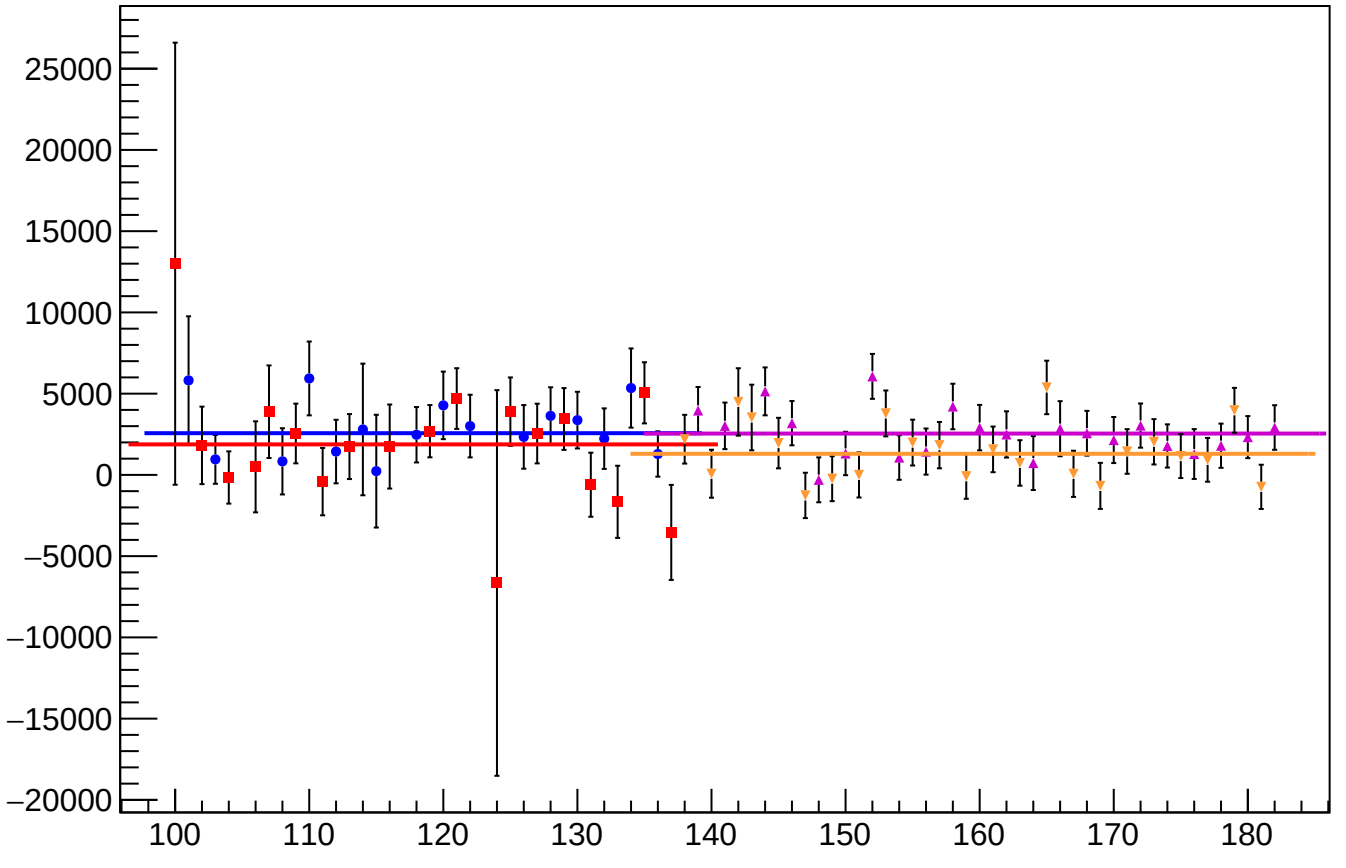
Left: 4576.381+/-0.557 χ^2/NDF: 4441631.8/44

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3866.245+/-0.588 χ^2/NDF:6910591.0/37

Out: 3399.620+/-0.532 χ^2/NDF:9616267.4/41

All: 3609.810+/-0.394 χ^2/NDF: 16873268.4/7



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1298.417+/-302.235 χ^2/NDF:30.2/22

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2544.471+/-300.792 χ^2/NDF:22.1/21

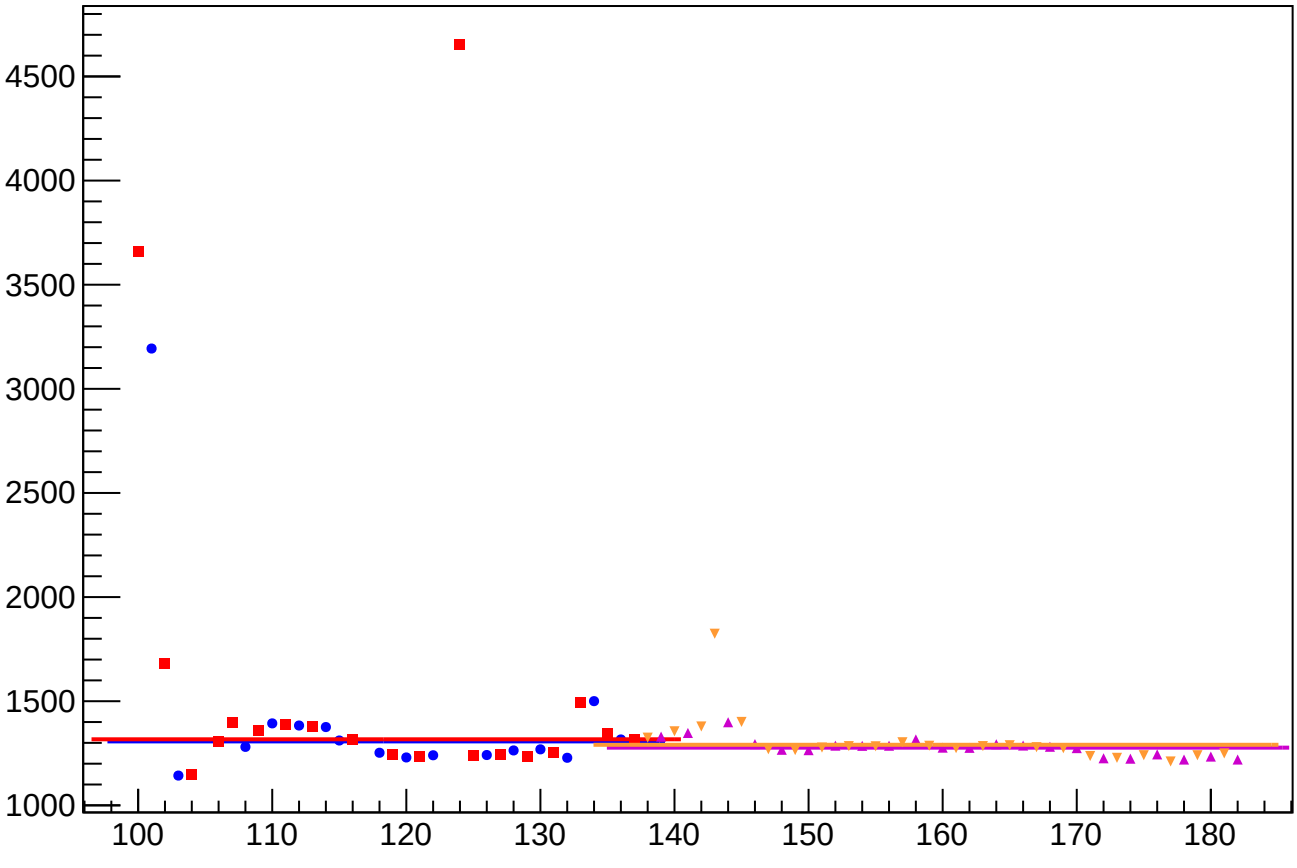
Left: 1924.425+/-213.200 χ^2/NDF: 60.8/44

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2550.588+/-257.105 χ^2/NDF:31.1/37

Out: 1455.878+/-257.913 χ^2/NDF:50.7/41

All: 2004.951+/-182.086 χ^2/NDF: 90.9/79



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1290.753+/-0.214 χ^2/NDF:181696.5/22

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1277.004+/-0.213 χ^2/NDF:39998.8/21

Left: 1283.846+/-0.151 χ^2/NDF: 223774.8/44

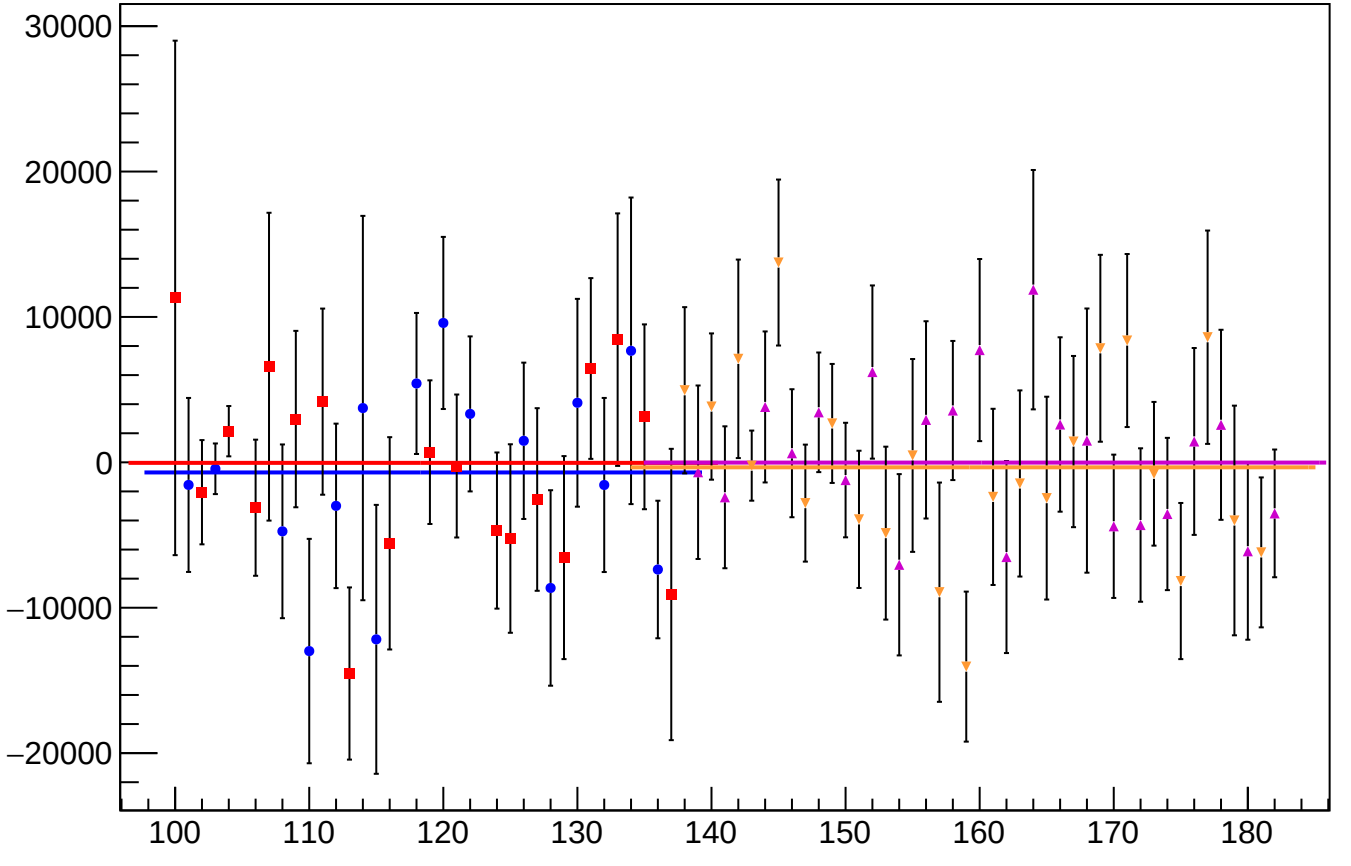
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1285.103+/-0.182 χ^2/NDF:561631.6/37

Out: 1297.942+/-0.182 χ^2/NDF:511774.2/41

All: 1291.505+/-0.129 χ^2/NDF: 1075893.0/79

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: -343.594+/-1073.192 χ^2/NDF:28.5/22

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -17.180+/-1158.794 χ^2/NDF:13.3/21

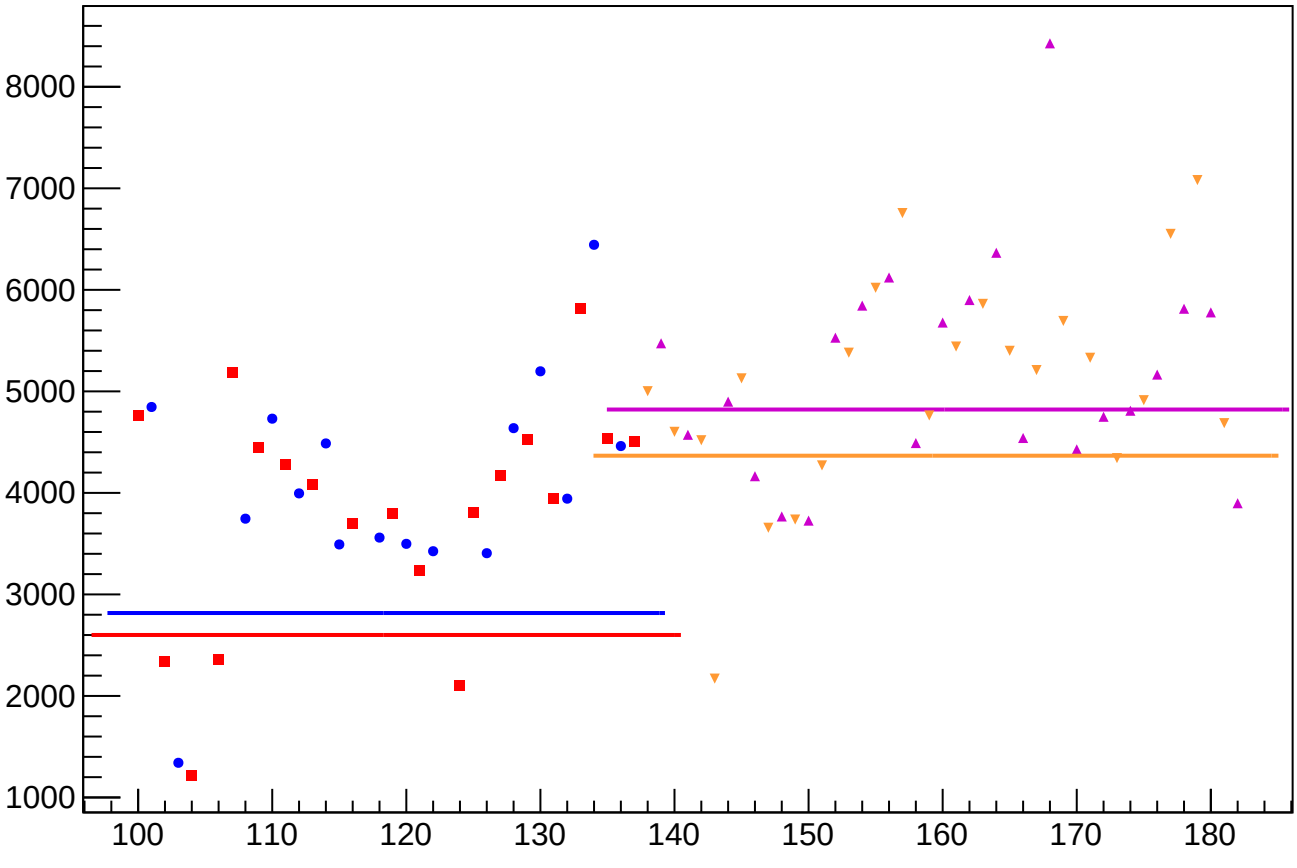
Left: -192.888+/-787.387 χ^2/NDF: 41.8/44

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -349.369+/-827.622 χ^2/NDF:28.1/37

Out: -193.396+/-767.553 χ^2/NDF:44.5/41

All: -265.518+/-562.781 χ^2/NDF: 72.6/79



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4366.364+/-0.759 χ^2/NDF:3067740.3/22

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4821.212+/-0.819 χ^2/NDF:1208136.1/21

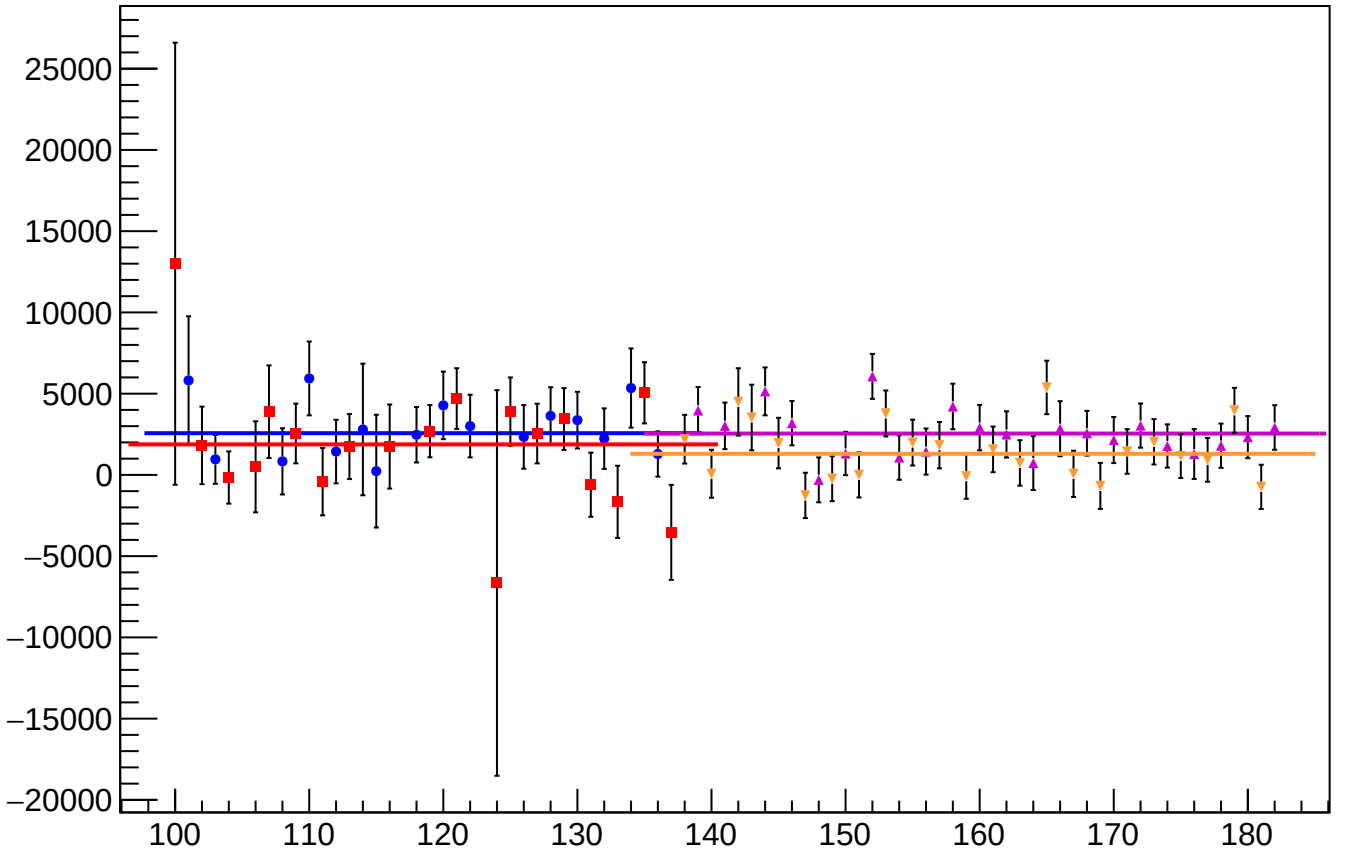
Left: 4576.369+/-0.557 χ^2/NDF: 4441748.0/44

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3839.234+/-0.585 χ^2/NDF:7147340.9/37

Out: 3503.784+/-0.543 χ^2/NDF:8793511.9/41

All: 3658.895+/-0.398 χ^2/NDF: 16117490.7/7



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1298.417+/-302.235 χ^2/NDF:30.2/22

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2544.471+/-300.792 χ^2/NDF:22.1/21

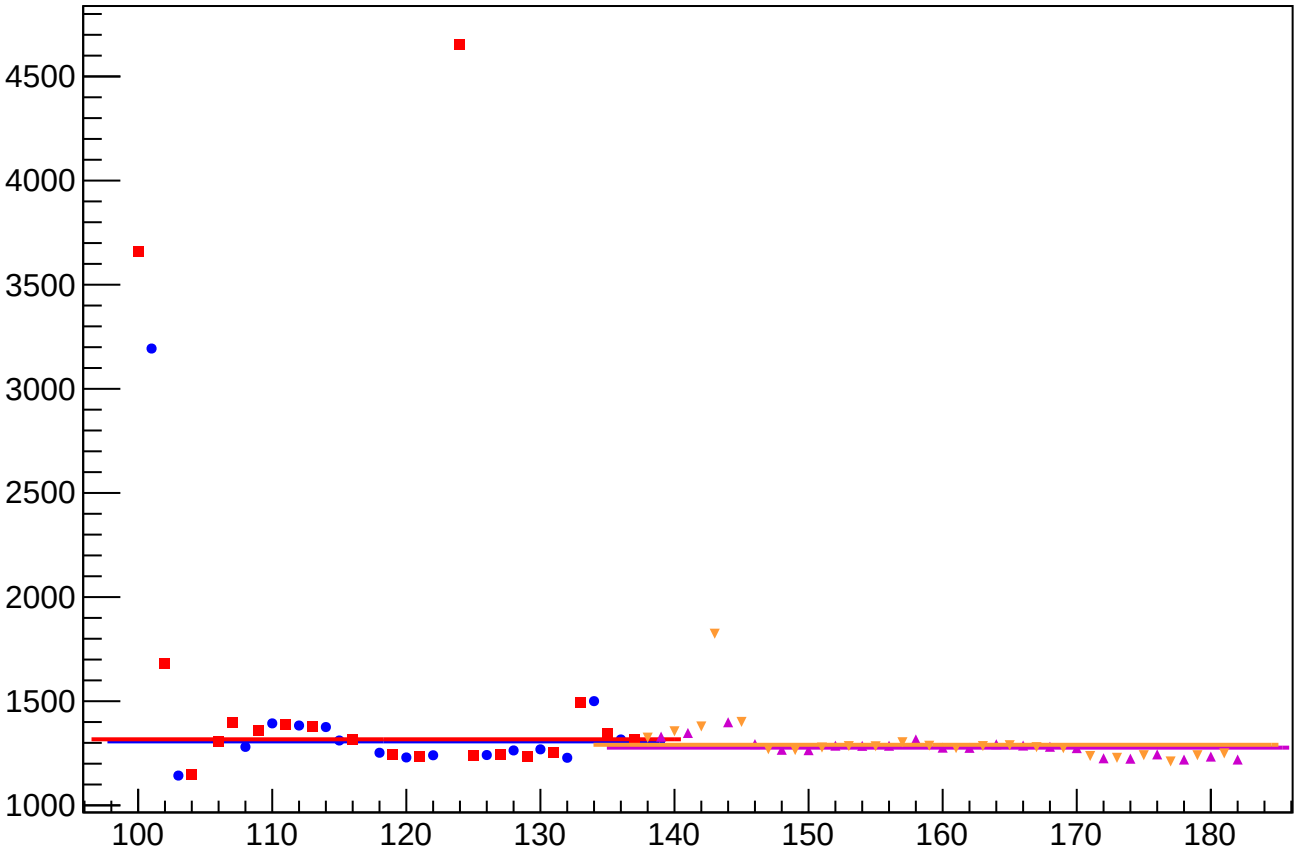
Left: 1924.425+/-213.200 χ^2/NDF: 60.8/44

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2550.588+/-257.105 χ^2/NDF:31.1/37

Out: 1455.878+/-257.913 χ^2/NDF:50.7/41

All: 2004.951+/-182.086 χ^2/NDF: 90.9/79



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1290.753+/-0.214 χ^2/NDF:181696.5/22

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1277.004+/-0.213 χ^2/NDF:39998.8/21

Left: 1283.846+/-0.151 χ^2/NDF: 223774.8/44

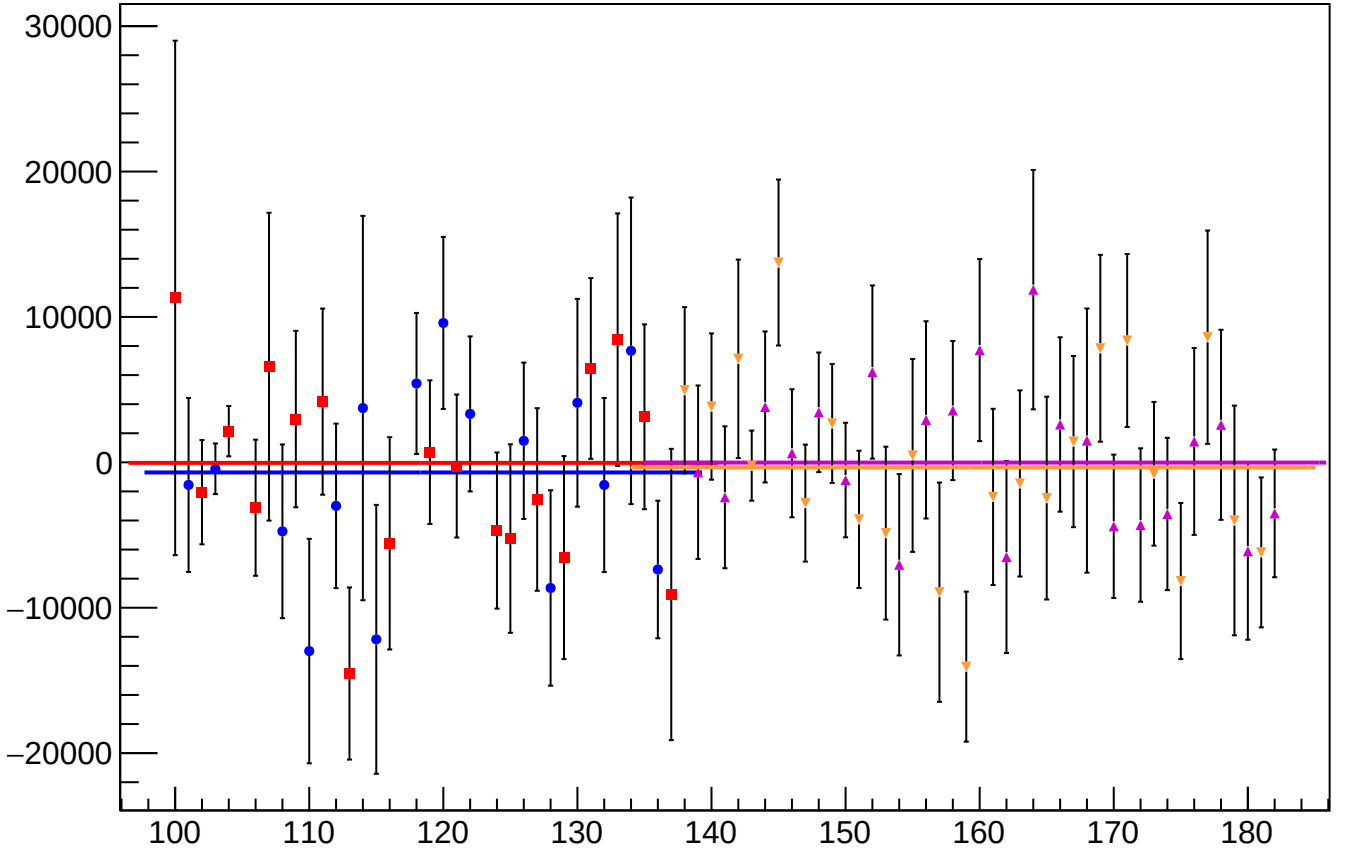
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1285.103+/-0.182 χ^2/NDF:561631.6/37

Out: 1297.942+/-0.182 χ^2/NDF:511774.2/41

All: 1291.505+/-0.129 χ^2/NDF: 1075893.0/79

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -343.594+/-1073.192 χ^2/NDF:28.5/22

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -17.180+/-1158.794 χ^2/NDF:13.3/21

Left: -192.888+/-787.387 χ^2/NDF: 41.8/44

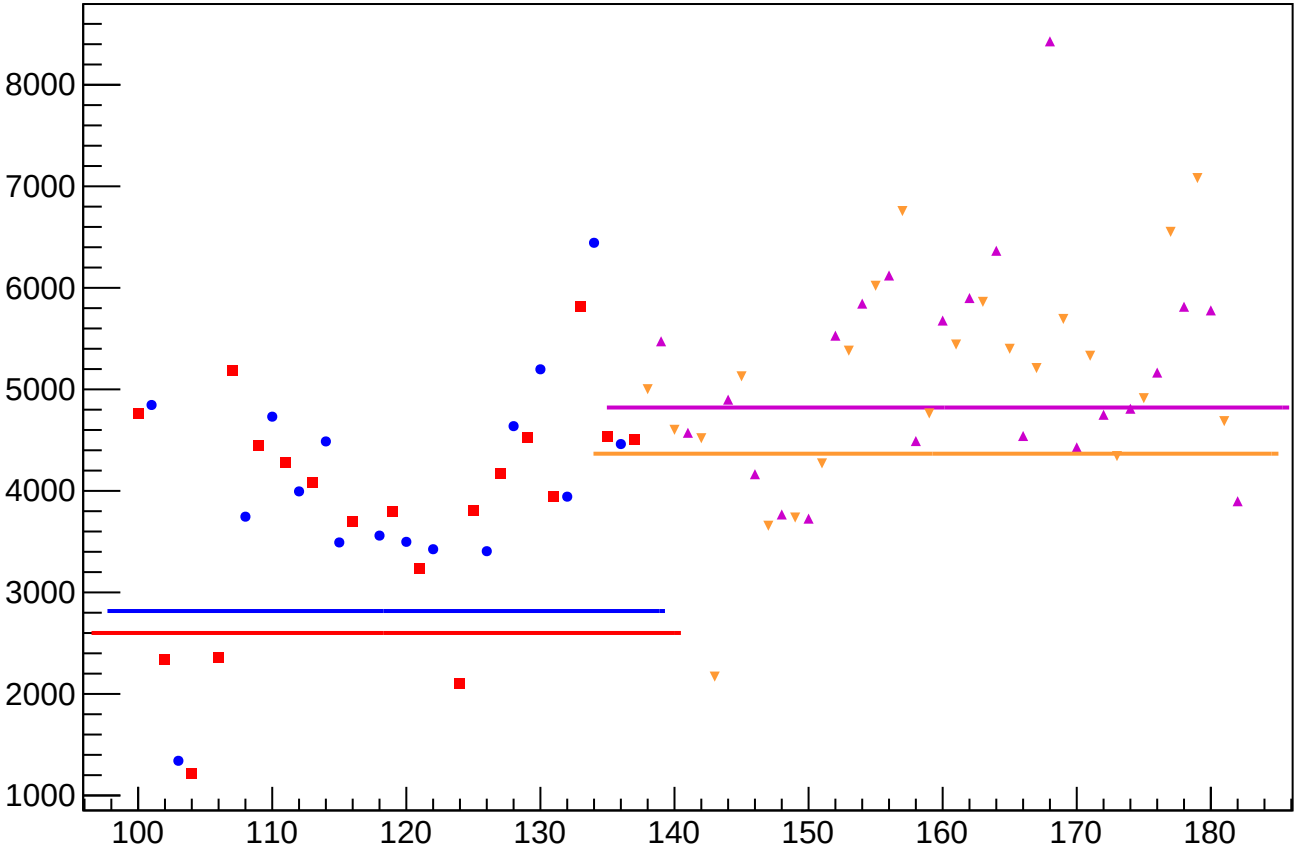
Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -349.369+/-827.622 χ^2/NDF:28.1/37

Out: -193.396+/-767.553 χ^2/NDF:44.5/41

All: -265.518+/-562.781 χ^2/NDF: 72.6/79

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4366.364+/-0.759 χ^2/NDF:3067740.3/22

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4821.212+/-0.819 χ^2/NDF:1208136.1/21

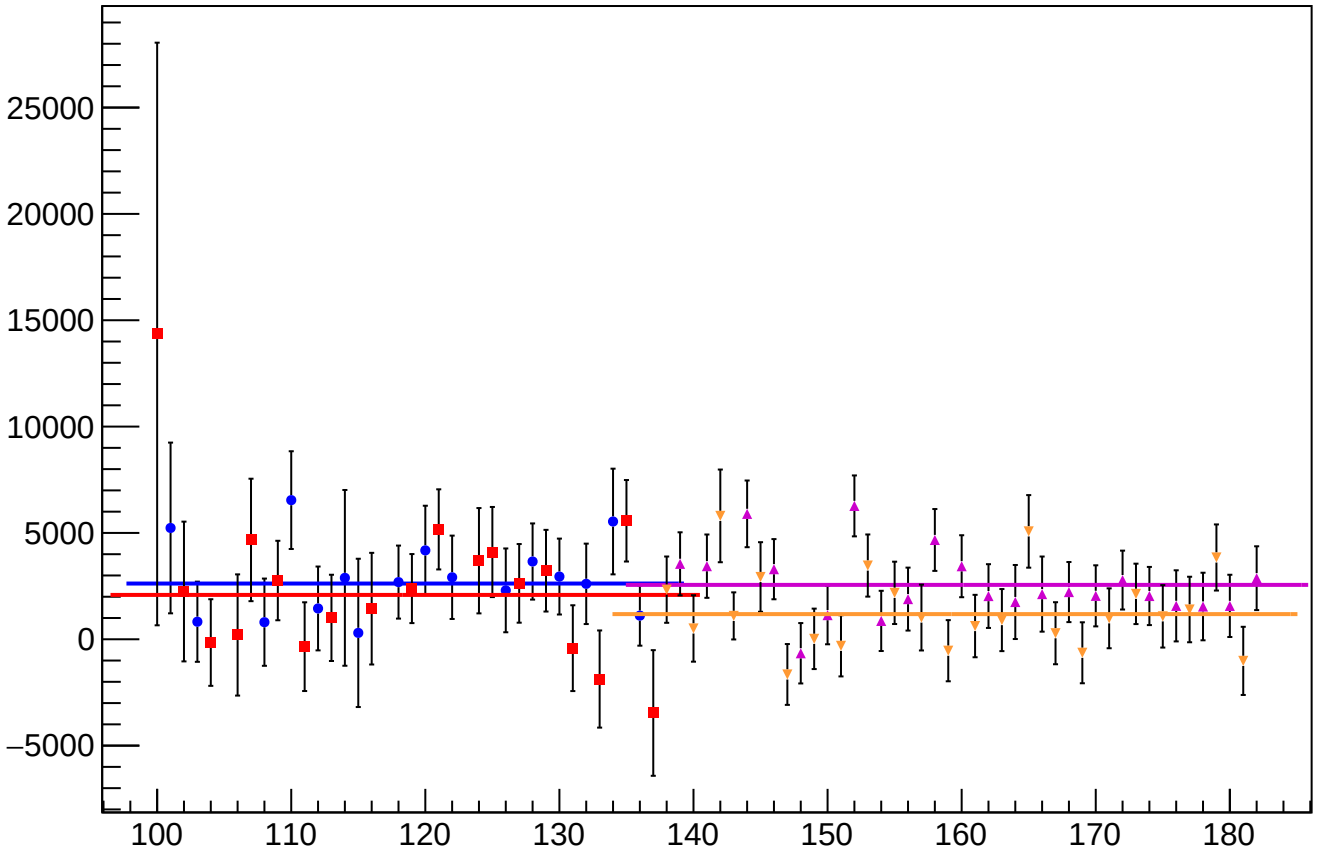
Left: 4576.369+/-0.557 χ^2/NDF: 4441748.0/44

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3839.234+/-0.585 χ^2/NDF:7147340.9/37

Out: 3503.784+/-0.543 χ^2/NDF:8793511.9/41

All: 3658.895+/-0.398 χ^2/NDF: 16117490.7/7



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1183.204+/-309.368 χ^2/NDF:29.1/22

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2557.238+/-315.715 χ^2/NDF:24.7/21

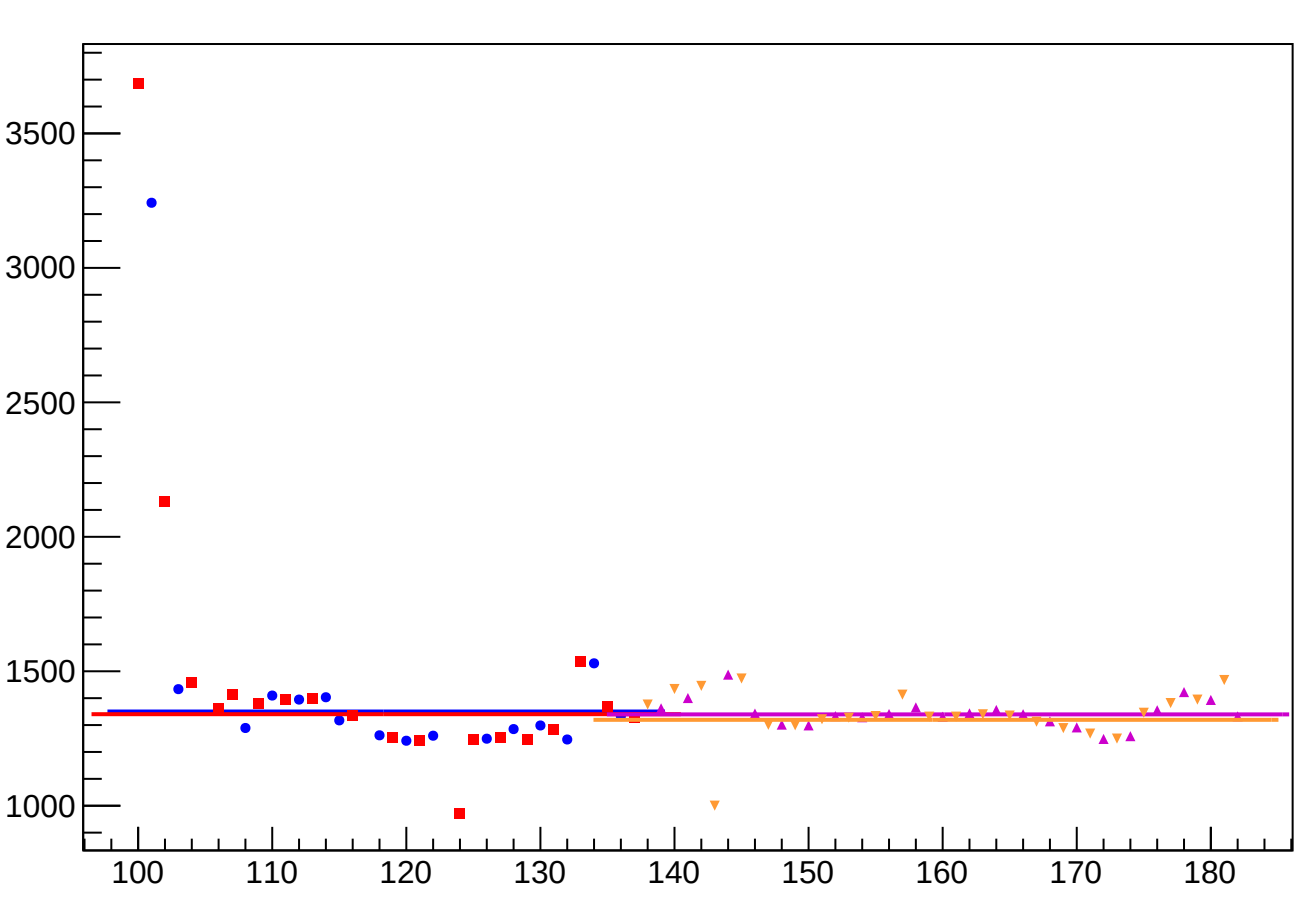
Left: 1856.271+/-220.966 χ^2/NDF: 63.4/44

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2574.699+/-268.661 χ^2/NDF:34.0/37

Out: 1429.543+/-263.784 χ^2/NDF:52.4/41

All: 1991.634+/-188.224 χ^2/NDF: 95.6/79



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1319.482+/-0.219 χ^2/NDF:247259.6/22

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1339.704+/-0.223 χ^2/NDF:52884.2/21

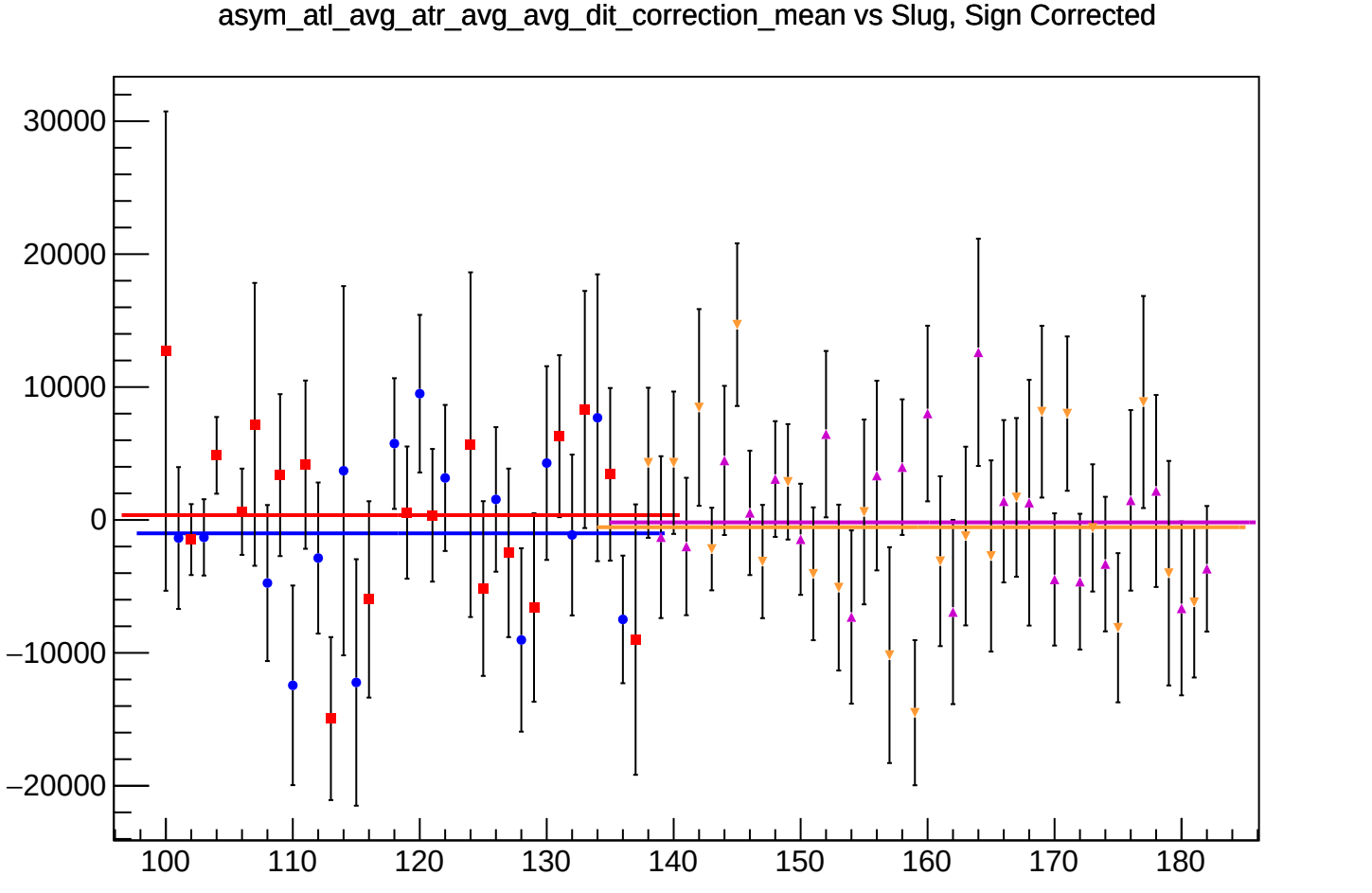
Left: 1329.388+/-0.156 χ^2/NDF: 304329.6/44

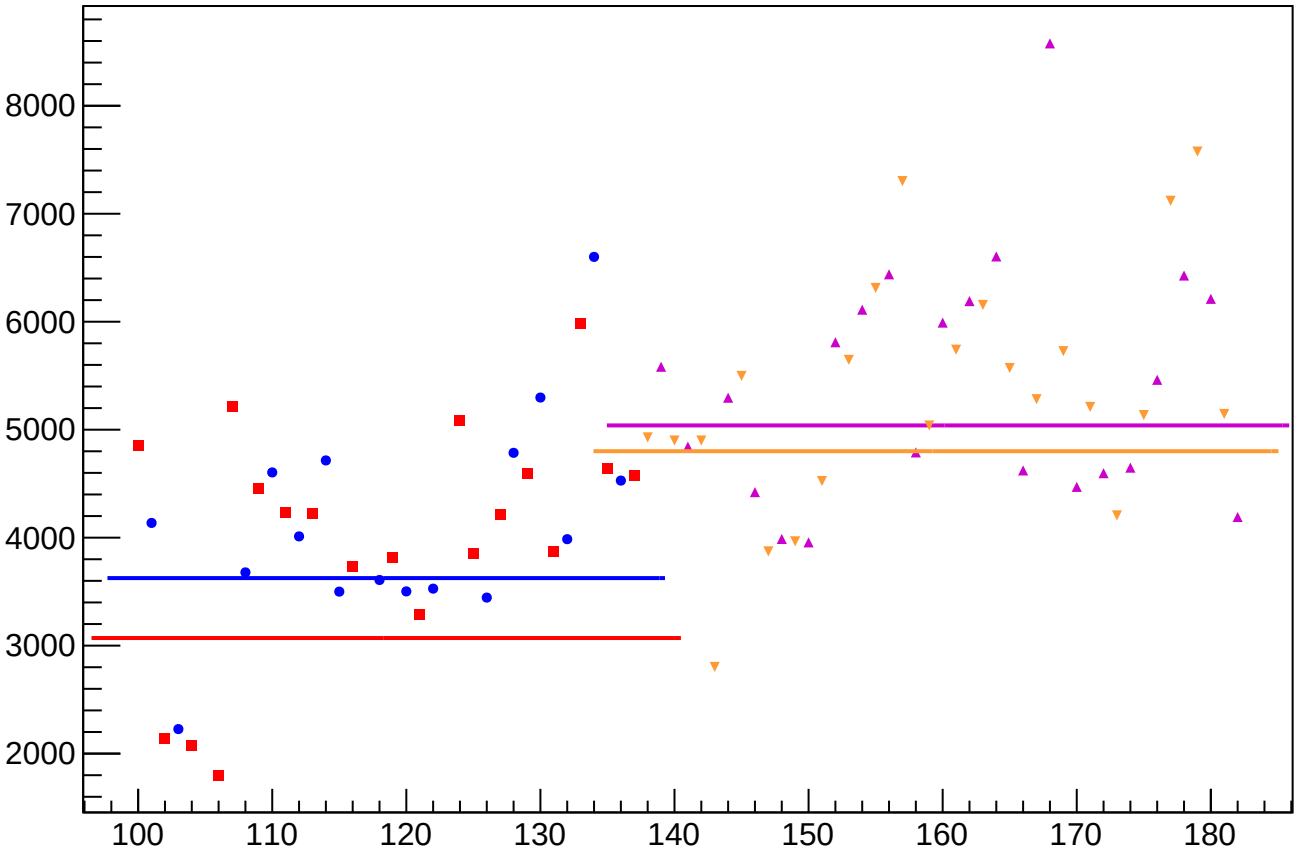
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1342.646+/-0.190 χ^2/NDF:547564.9/37

Out: 1325.205+/-0.186 χ^2/NDF:521948.3/41

All: 1333.764+/-0.133 χ^2/NDF: 1073805.3/79


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -545.941+/-1160.886 χ²/NDF:28.3/22
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: -179.760+/-1211.229 χ²/NDF:13.1/21
Left: -370.618+/-838.103 χ²/NDF: 41.5/44
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -532.495+/-917.239 χ²/NDF:27.9/37
Out: -106.749+/-835.194 χ²/NDF:44.8/41
All: -299.733+/-617.544 χ²/NDF: 72.8/79



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4800.779+/-0.821 χ^2/NDF:1996699.1/22

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5039.567+/-0.856 χ^2/NDF:1204289.7/21

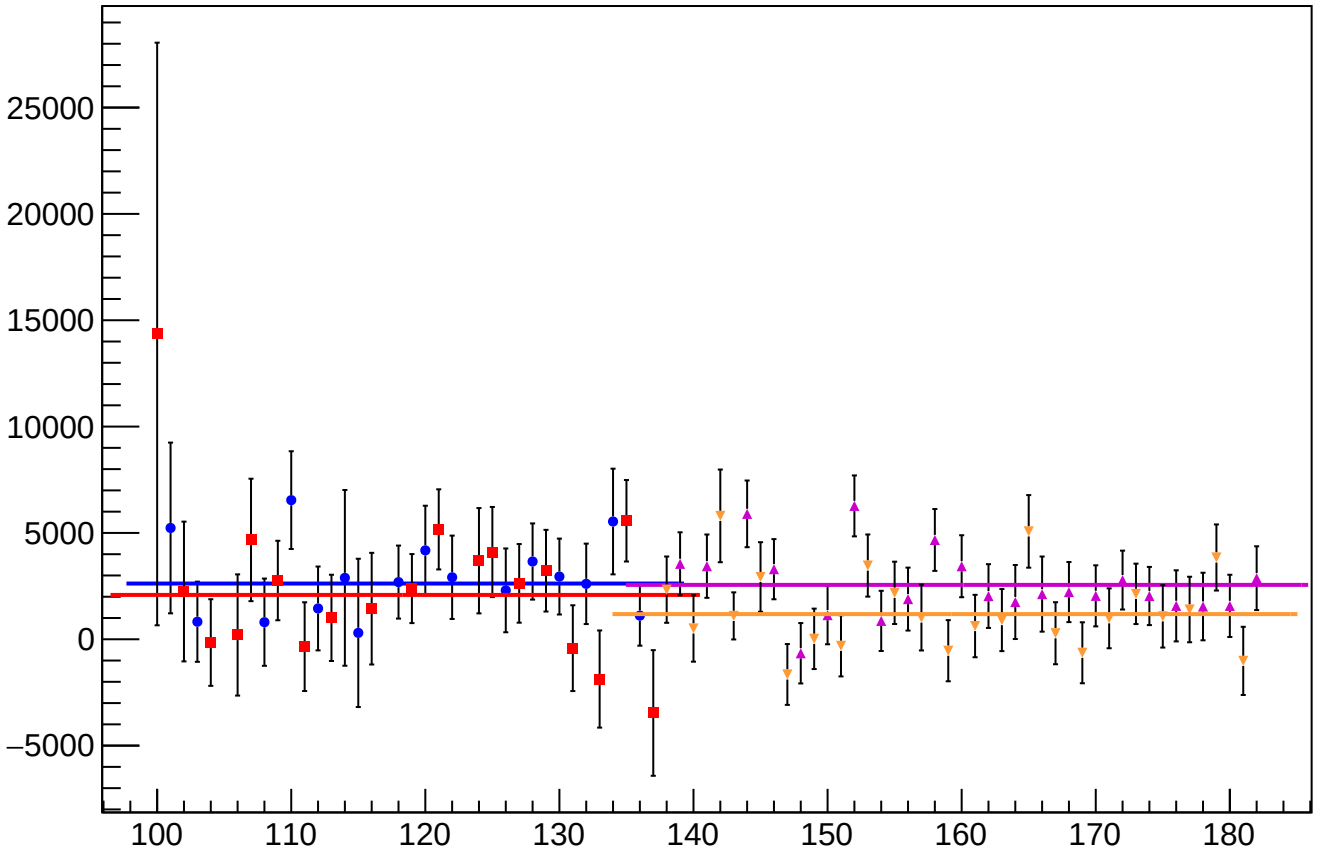
Left: 4915.108+/-0.593 χ^2/NDF: 3241504.0/44

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4436.433+/-0.649 χ^2/NDF:3311868.1/37

Out: 3966.067+/-0.591 χ^2/NDF:5978830.7/41

All: 4179.277+/-0.437 χ^2/NDF: 9578238.9/79



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1183.199+/-309.369 χ^2/NDF:29.1/22

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2557.239+/-315.715 χ^2/NDF:24.7/21

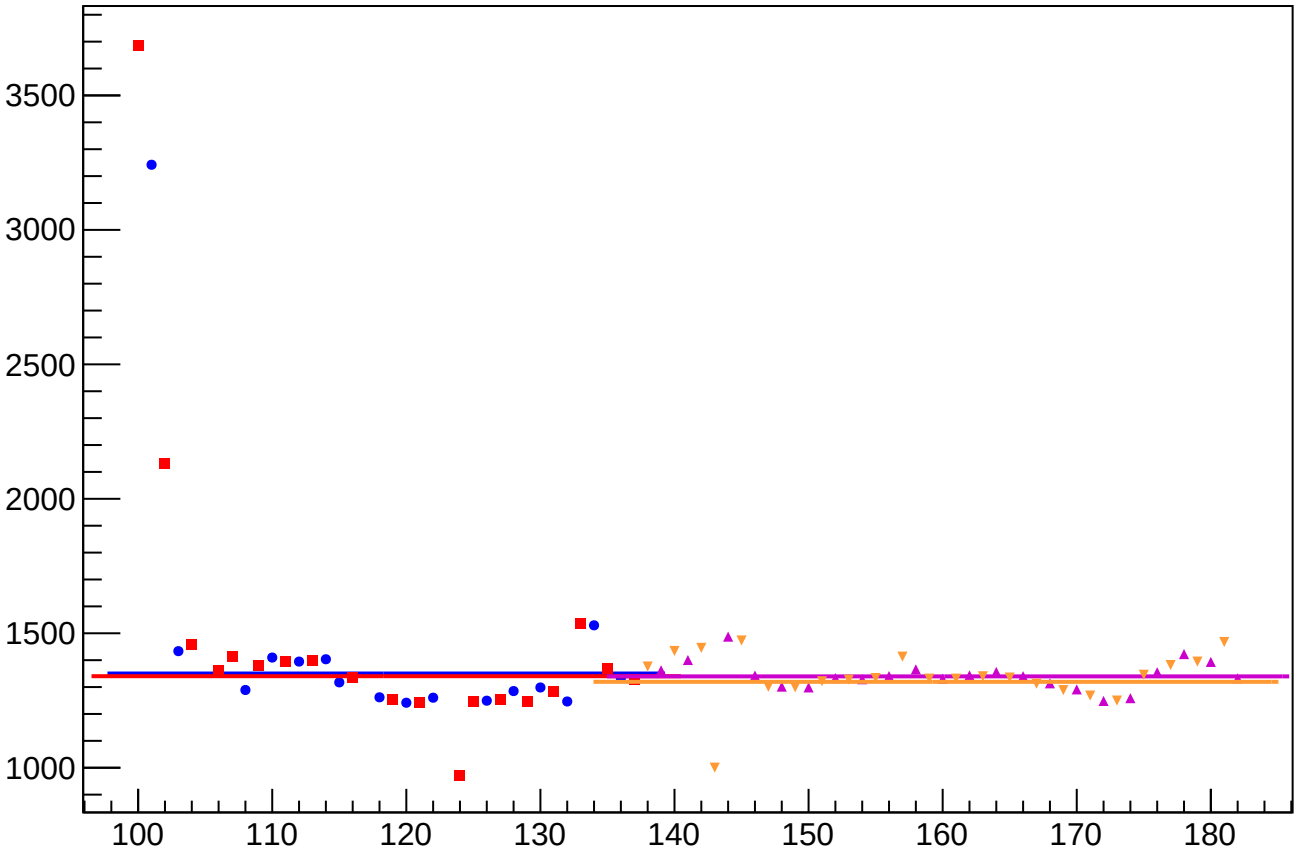
Left: 1856.269+/-220.966 χ^2/NDF: 63.4/44

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2574.700+/-268.661 χ^2/NDF:34.0/37

Out: 1429.540+/-263.784 χ^2/NDF:52.4/41

All: 1991.633+/-188.224 χ^2/NDF: 95.6/79



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1319.483+/-0.219 χ^2/NDF:247262.2/22

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1339.705+/-0.223 χ^2/NDF:52886.8/21

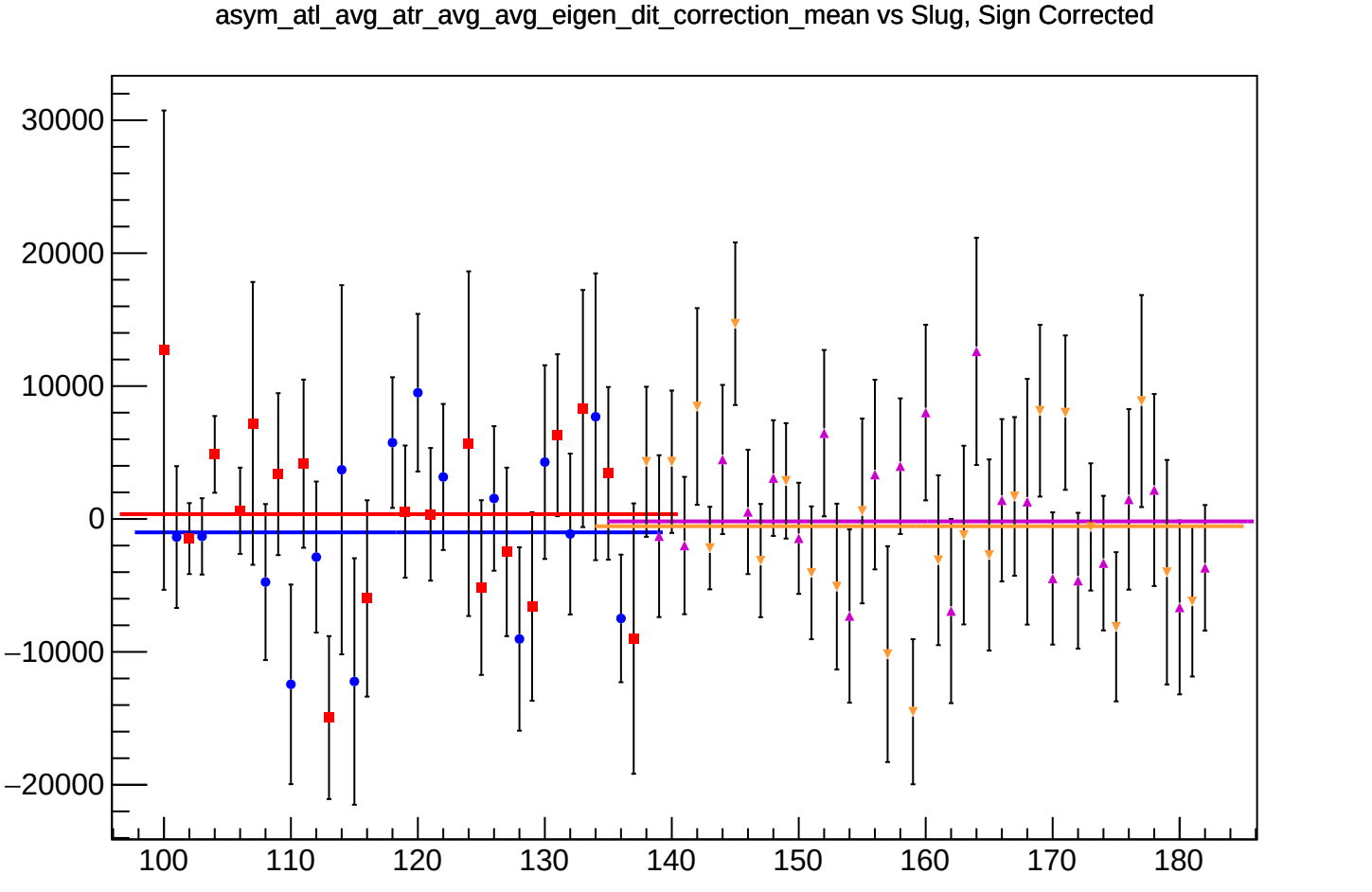
Left: 1329.389+/-0.156 χ^2/NDF: 304334.7/44

Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

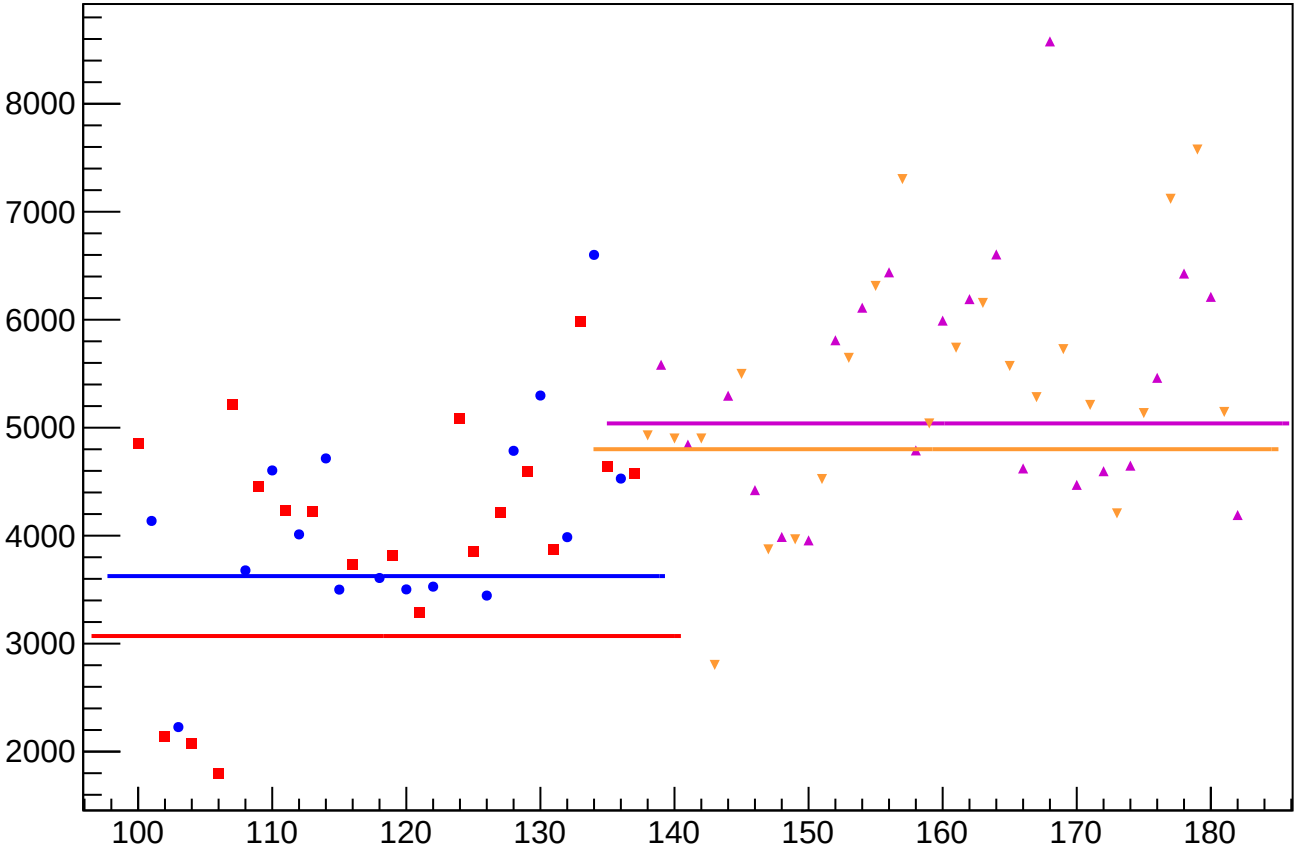
In: 1342.647+/-0.190 χ^2/NDF:547567.4/37

Out: 1325.206+/-0.186 χ^2/NDF:521949.5/41

All: 1333.765+/-0.133 χ^2/NDF: 1073809.0/79


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: -545.945+/-1160.888 χ²/NDF:28.3/22
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: -179.761+/-1211.231 χ²/NDF:13.1/21
Left: -370.621+/-838.104 χ²/NDF: 41.5/44
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -532.493+/-917.239 χ²/NDF:27.9/37
Out: -106.748+/-835.194 χ²/NDF:44.8/41
All: -299.732+/-617.544 χ²/NDF: 72.8/79

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: 4800.787+/-0.821 χ^2/NDF:1996700.6/22

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5039.575+/-0.856 χ^2/NDF:1204293.5/21

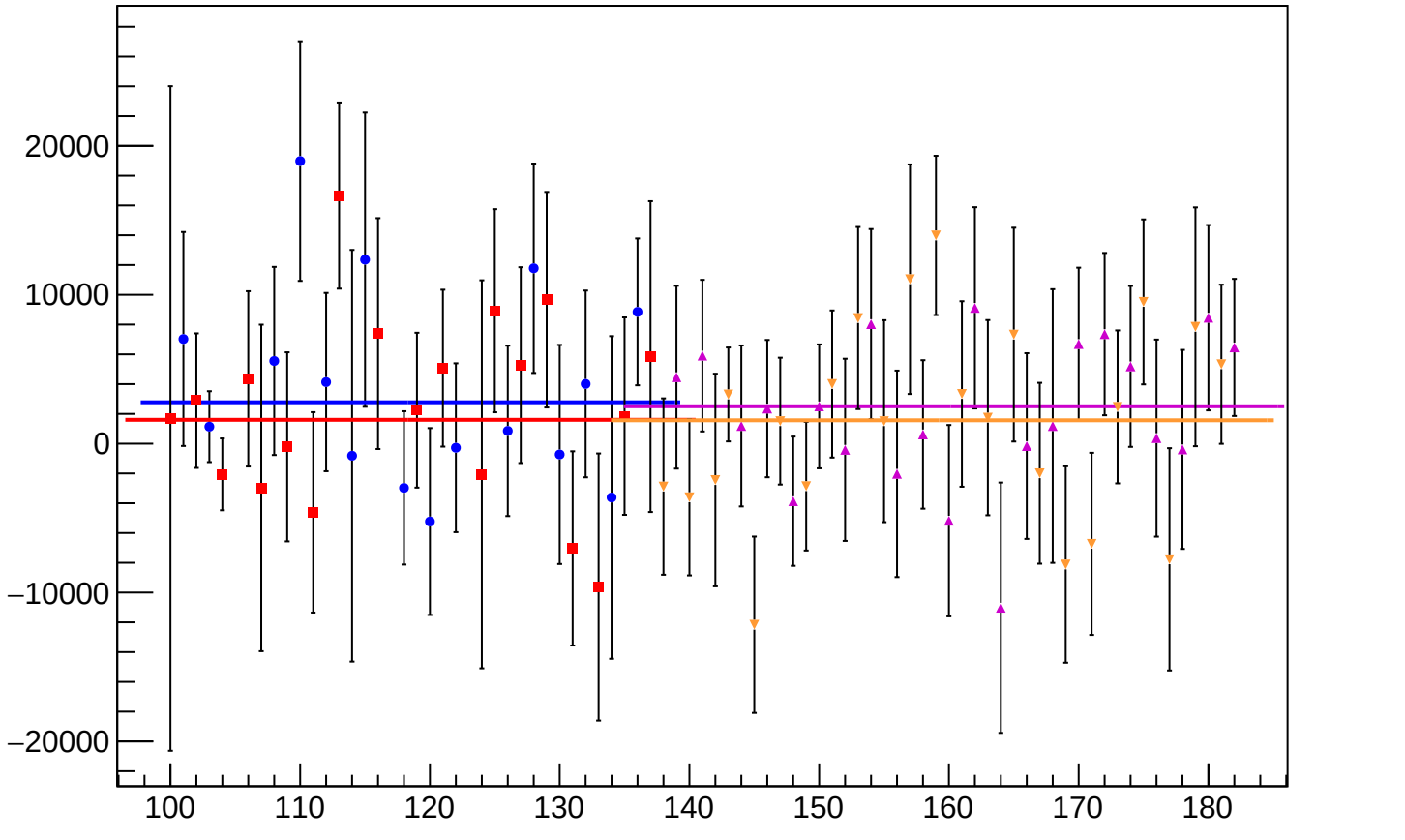
Left: 4915.115+/-0.593 χ^2/NDF: 3241509.0/44

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4436.431+/-0.649 χ^2/NDF:3311902.8/37

Out: 3966.063+/-0.591 χ^2/NDF:5978878.1/41

All: 4179.274+/-0.437 χ^2/NDF: 9578323.0/79



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1571.019+/-1156.700 χ^2/NDF:26.8/22

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 2513.256+/-1202.880 χ^2/NDF:13.1/21

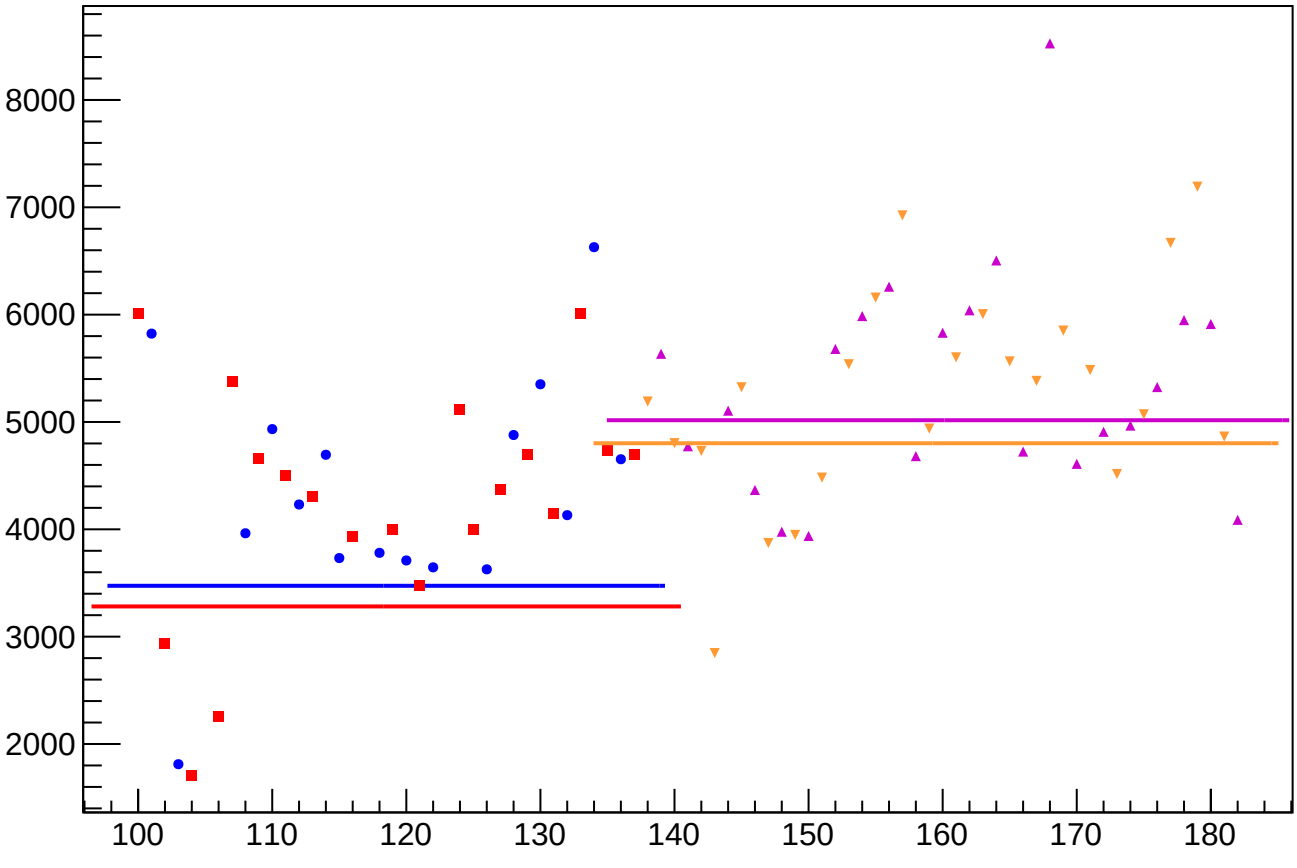
Left: 2023.704+/-833.758 χ^2/NDF: 40.3/44

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2627.906+/-909.424 χ^2/NDF:26.3/37

Out: 1584.549+/-874.769 χ^2/NDF:43.6/41

All: 2085.969+/-630.451 χ^2/NDF: 70.6/79



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4801.890+/-0.818 χ^2/NDF:1766575.5/22

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5016.369+/-0.851 χ^2/NDF:1073502.8/21

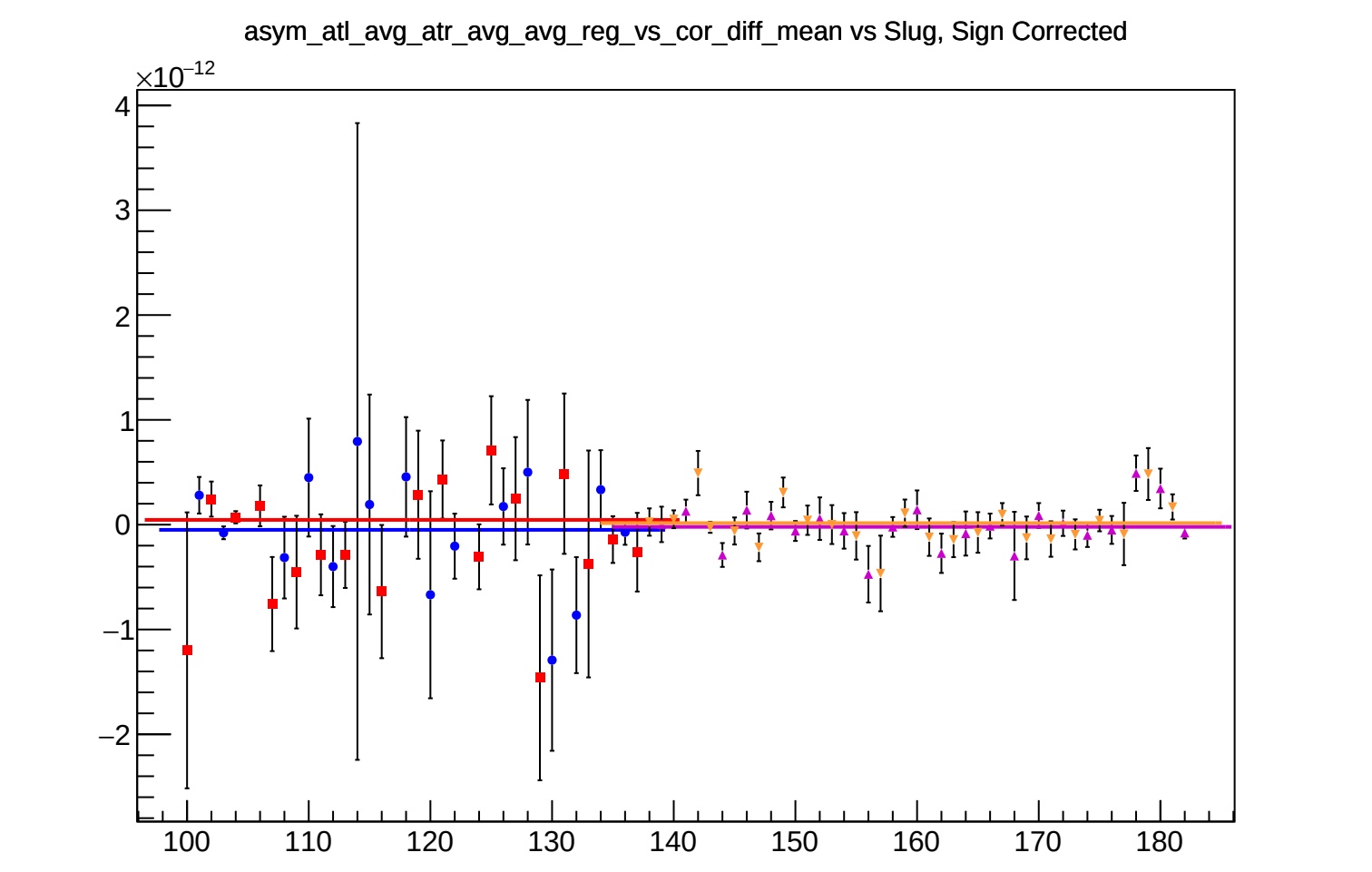
Left: 4904.934+/-0.590 χ^2/NDF: 2873114.6/44

Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4355.561+/-0.643 χ^2/NDF:4326358.7/37

Out: 4140.787+/-0.615 χ^2/NDF:5144584.7/41

All: 4243.368+/-0.444 χ^2/NDF: 9529213.7/79



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: -0.000+/-0.000 χ^2/NDF:30.8/21

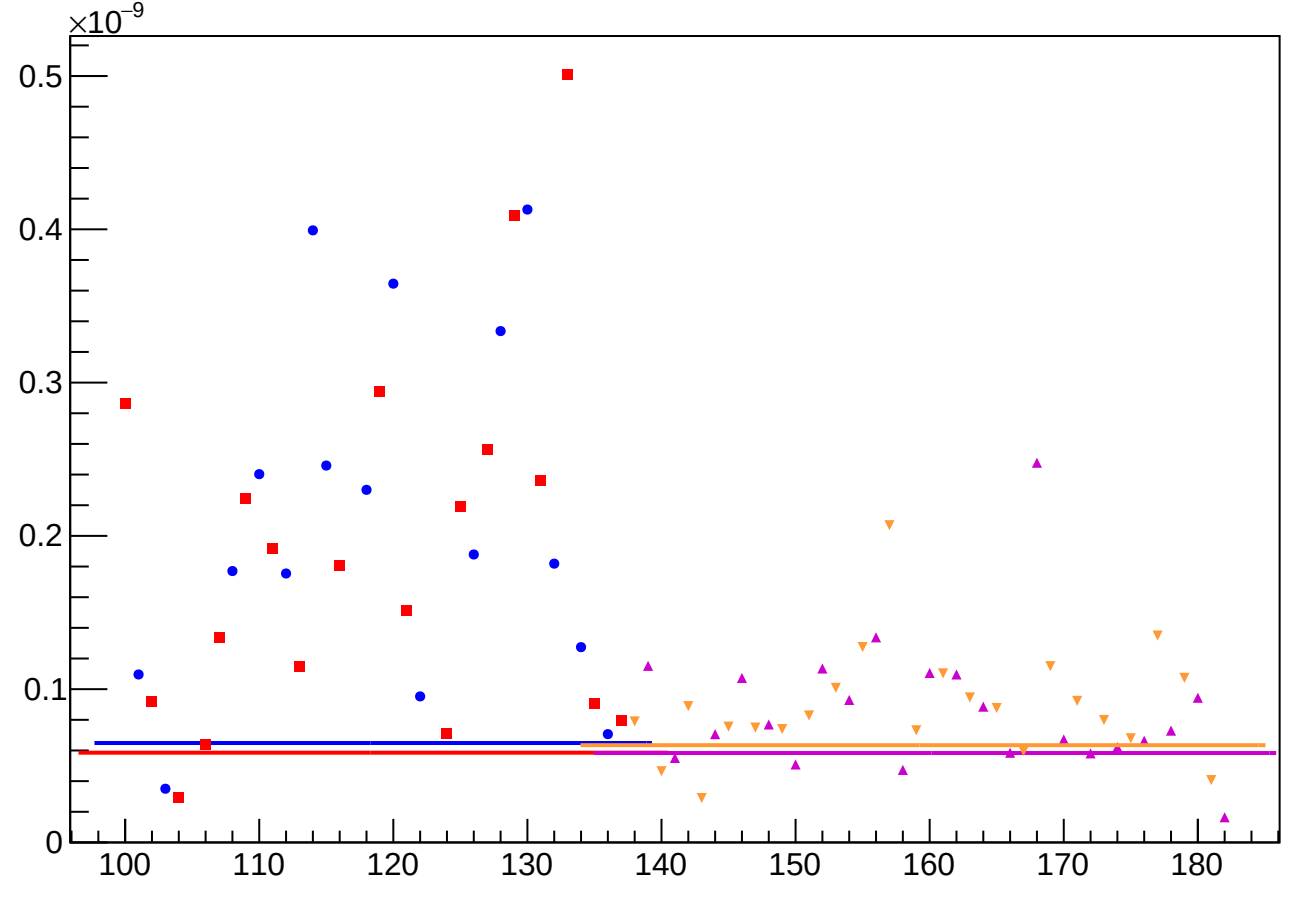
Left: -0.000+/-0.000 χ^2/NDF: 57.3/44

Right: -0.000+/-0.000 χ^2/NDF: 34.2/34

In: -0.000+/-0.000 χ^2/NDF:44.8/37

Out: 0.000+/-0.000 χ^2/NDF:44.5/41

All: -0.000+/-0.000 χ^2/NDF: 91.6/79



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2347943.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2956481.0/21

Left: 0.000+/-0.000 χ^2/NDF: 5341122.4/44

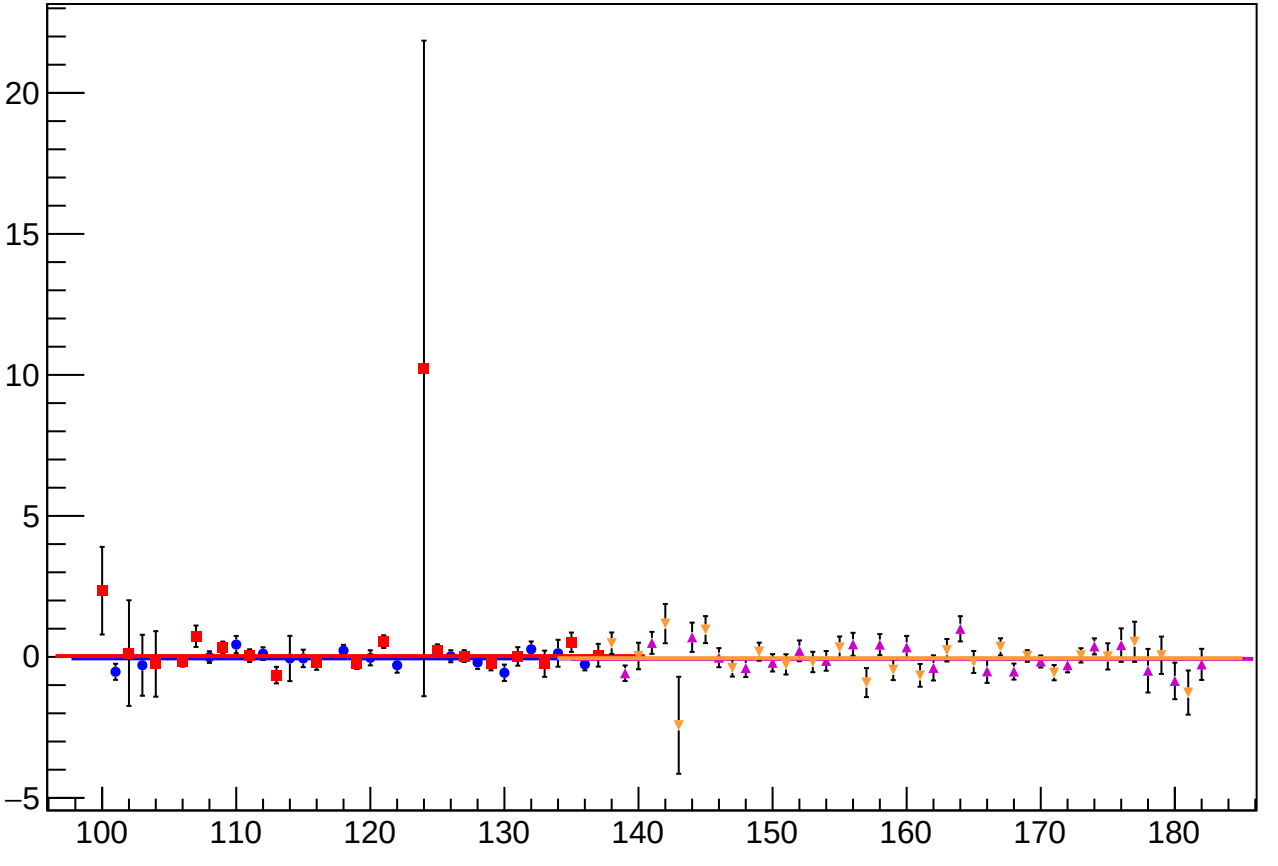
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:5577303.8/37

Out: 0.000+/-0.000 χ^2/NDF:5219114.7/41

All: 0.000+/-0.000 χ^2/NDF: 10807252.0/79

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: -0.046+/-0.078 χ^2/NDF:30.4/22

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.070+/-0.075 χ^2/NDF:29.9/21

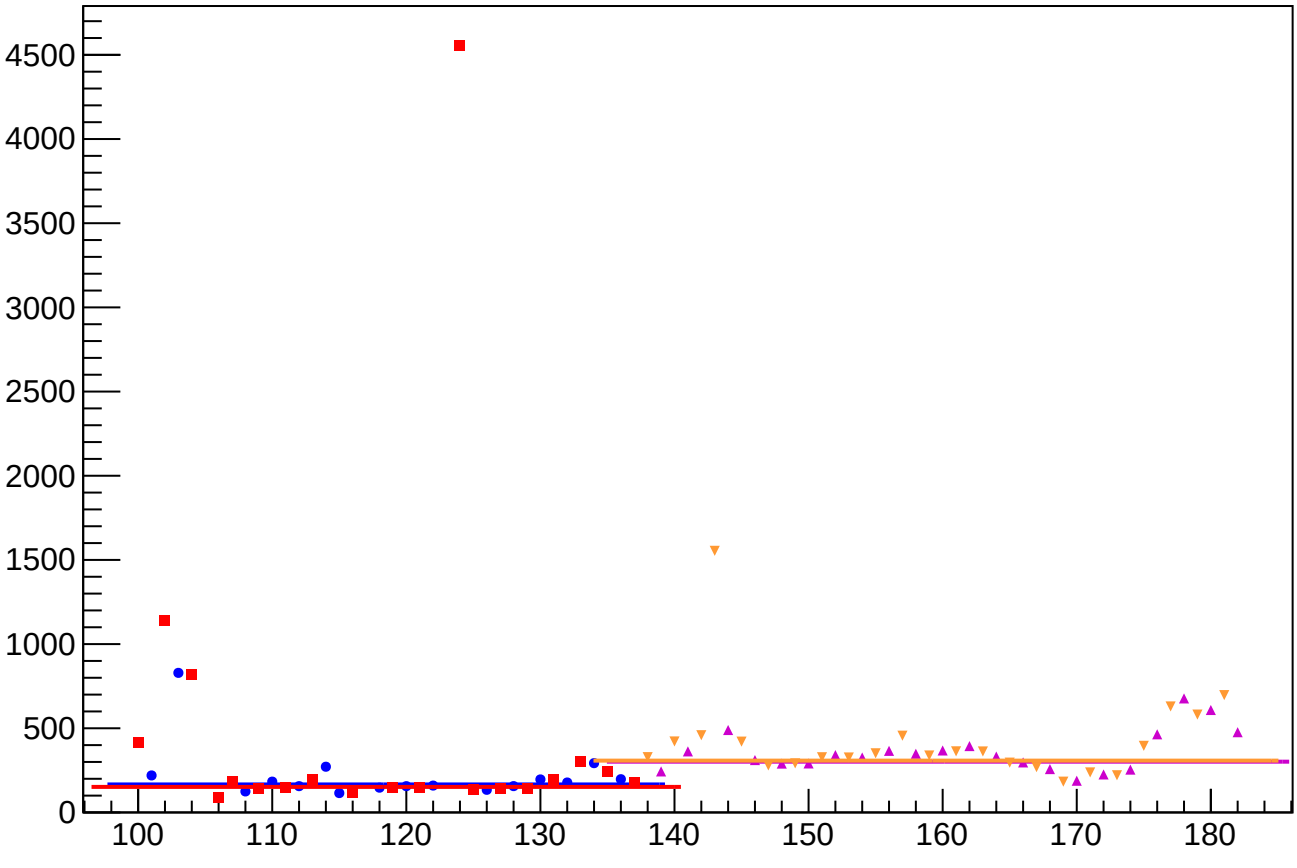
Left: -0.058+/-0.054 χ^2/NDF: 60.3/44

Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.050 χ^2/NDF:44.8/37

Out: -0.001+/-0.049 χ^2/NDF:58.5/41

All: -0.030+/-0.035 χ^2/NDF: 104.0/79



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 307.852+/-0.055 χ^2/NDF:4151443.4/22

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 301.613+/-0.053 χ^2/NDF:2792081.1/21

Left: 304.630+/-0.038 χ^2/NDF: 6950153.7/44

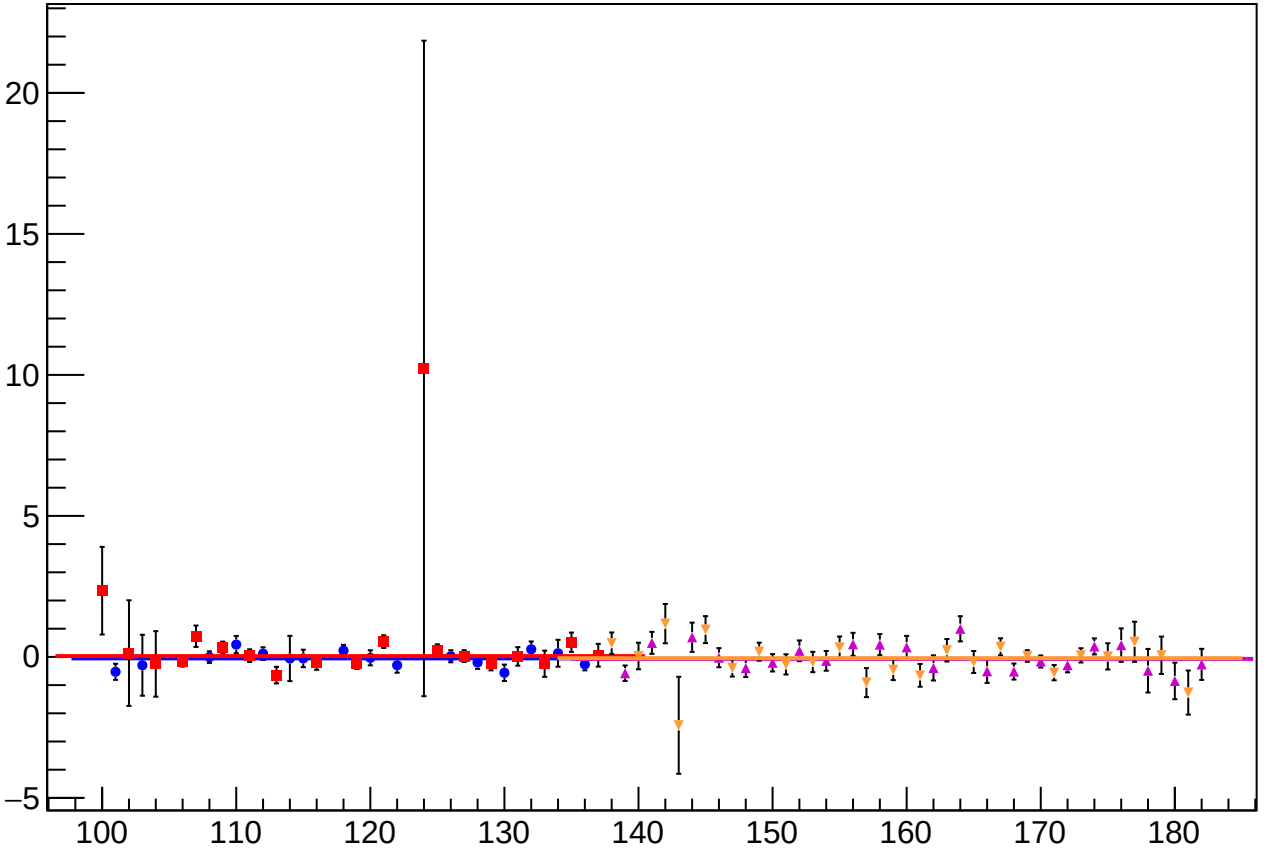
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 225.799+/-0.035 χ^2/NDF:7685885.8/37

Out: 214.730+/-0.035 χ^2/NDF:11259747.9/41

All: 220.209+/-0.025 χ^2/NDF: 18995226.1/79

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: -0.046+/-0.078 χ^2/NDF:30.4/22

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.070+/-0.075 χ^2/NDF:29.9/21

Left: -0.058+/-0.054 χ^2/NDF: 60.3/44

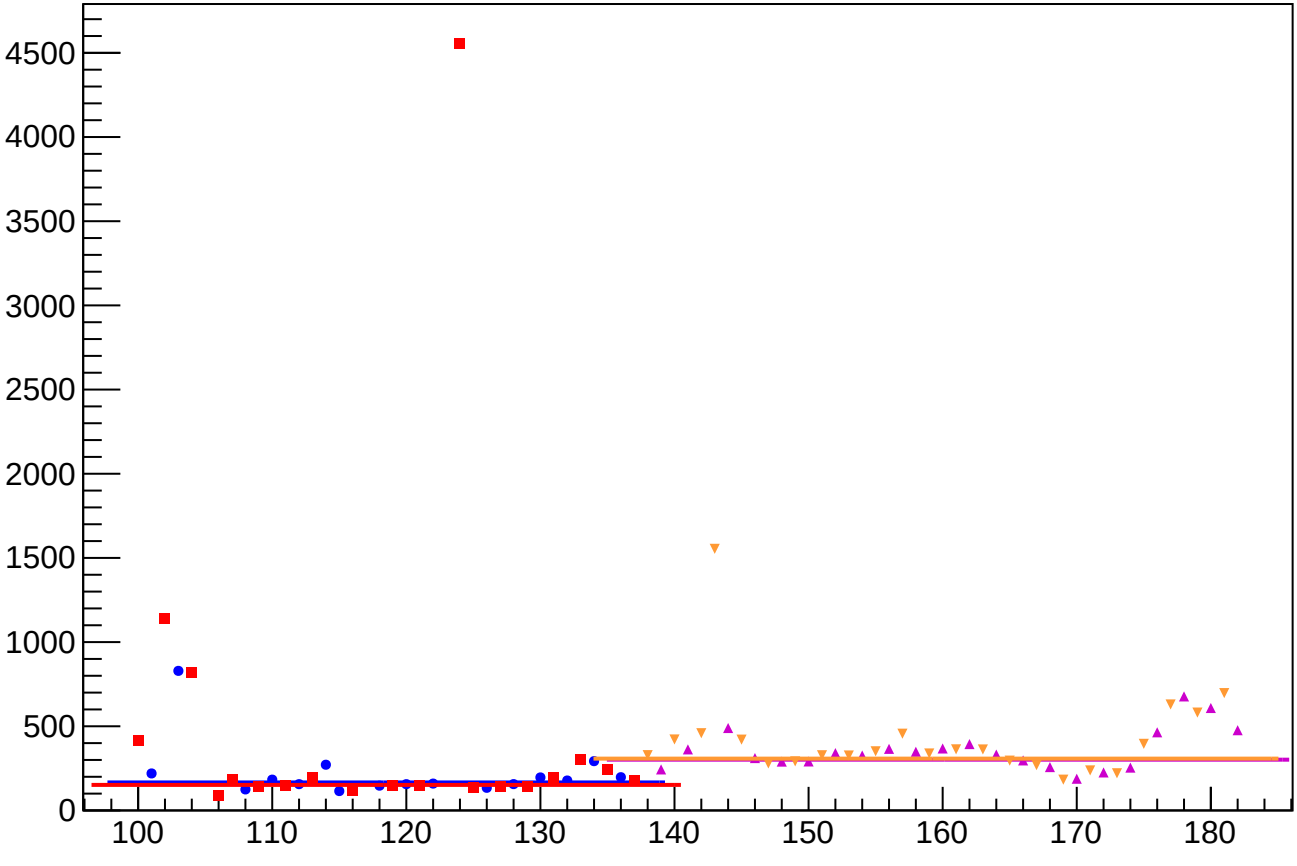
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.050 χ^2/NDF:44.8/37

Out: -0.001+/-0.049 χ^2/NDF:58.5/41

All: -0.030+/-0.035 χ^2/NDF: 104.0/79

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: 307.852+/-0.055 χ^2/NDF:4151443.4/22

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 301.613+/-0.053 χ^2/NDF:2792081.1/21

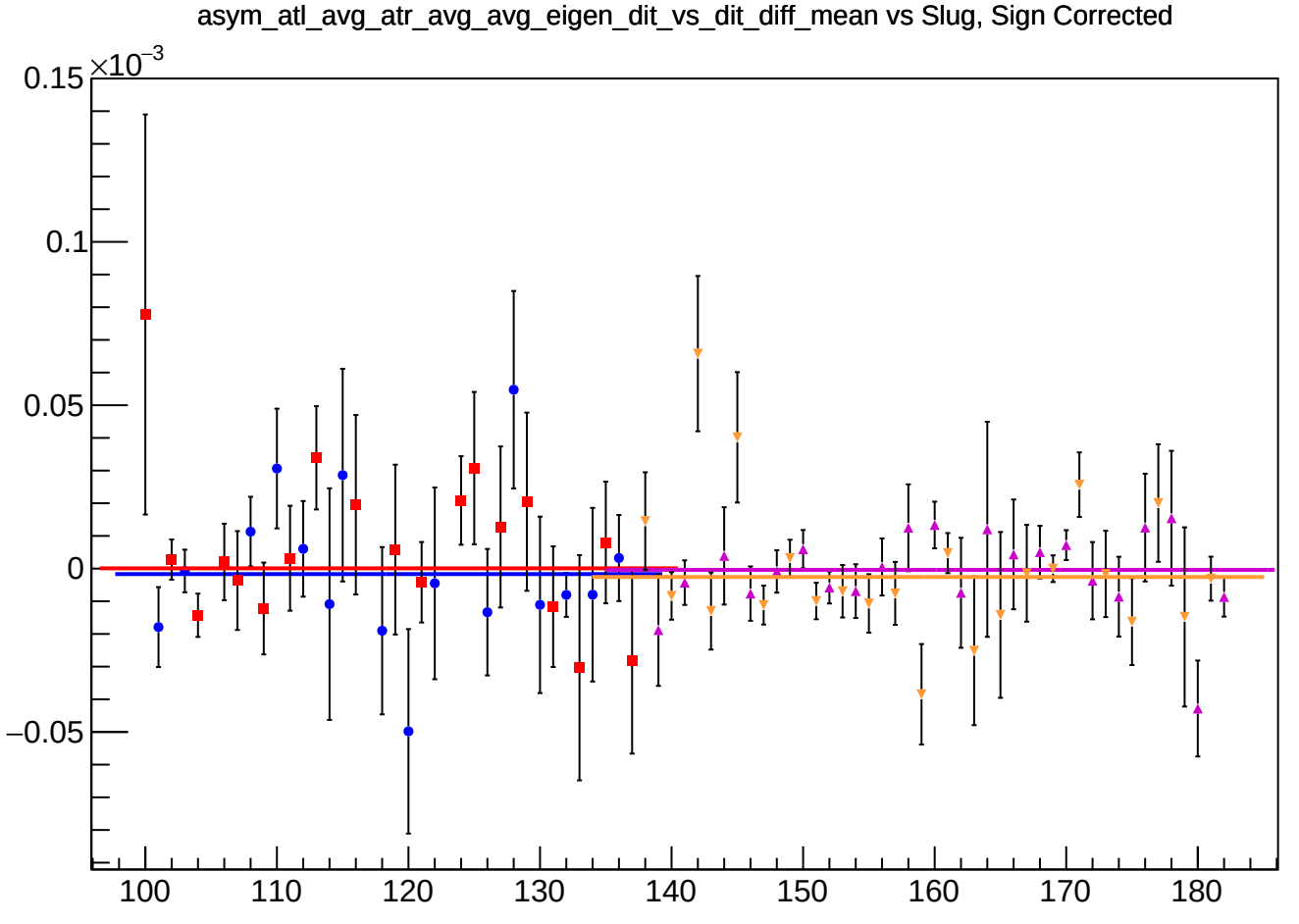
Left: 304.630+/-0.038 χ^2/NDF: 6950153.7/44

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 225.799+/-0.035 χ^2/NDF:7685885.8/37

Out: 214.730+/-0.035 χ^2/NDF:11259747.9/41

All: 220.209+/-0.025 χ^2/NDF: 18995226.1/79



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:25.5/21

Left: -0.000+/-0.000 χ^2/NDF: 67.6/44

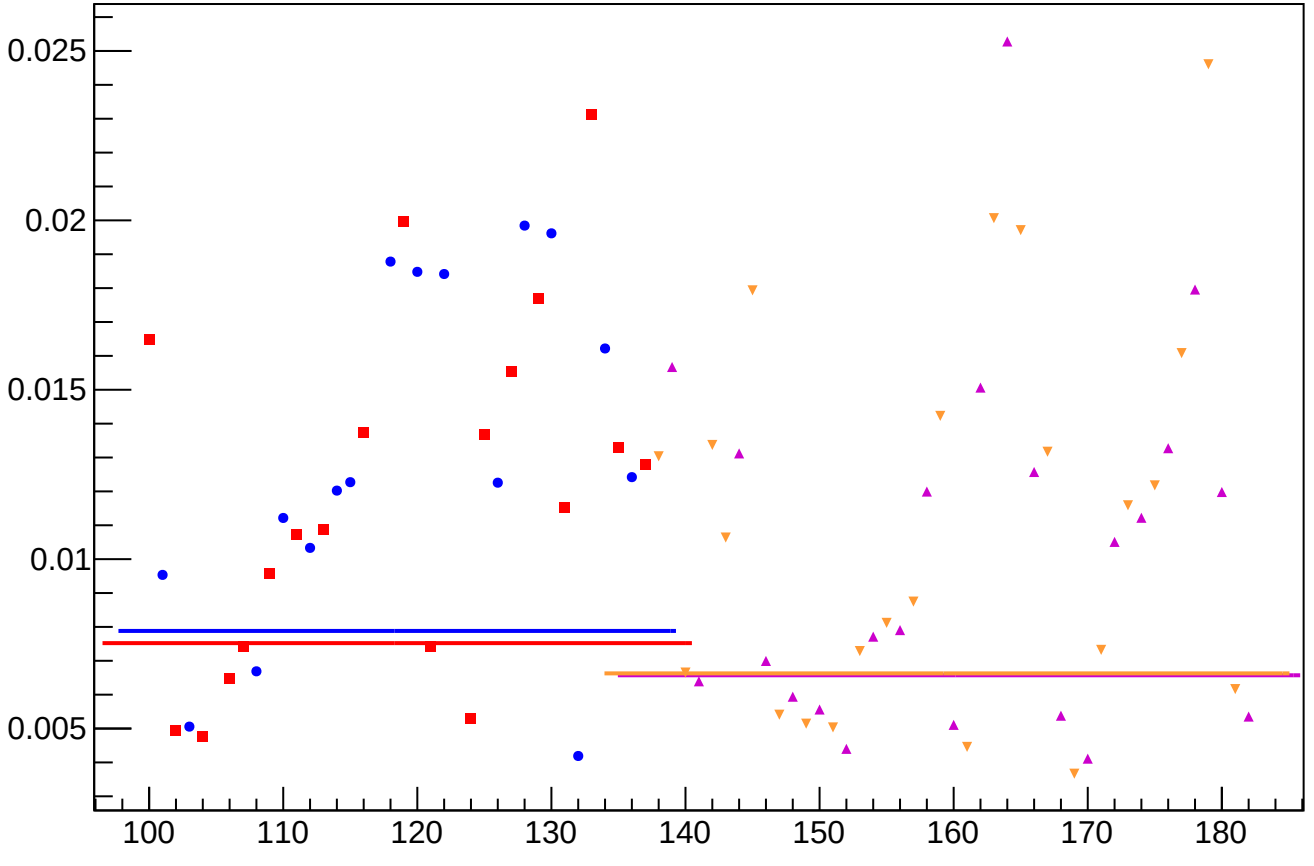
Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:41.1/37

Out: -0.000+/-0.000 χ^2/NDF:61.8/41

All: -0.000+/-0.000 χ^2/NDF: 103.2/79

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:7423883.1/22

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:5772458.0/21

Left: 0.007+/-0.000 χ^2/NDF: 13197320.5/44

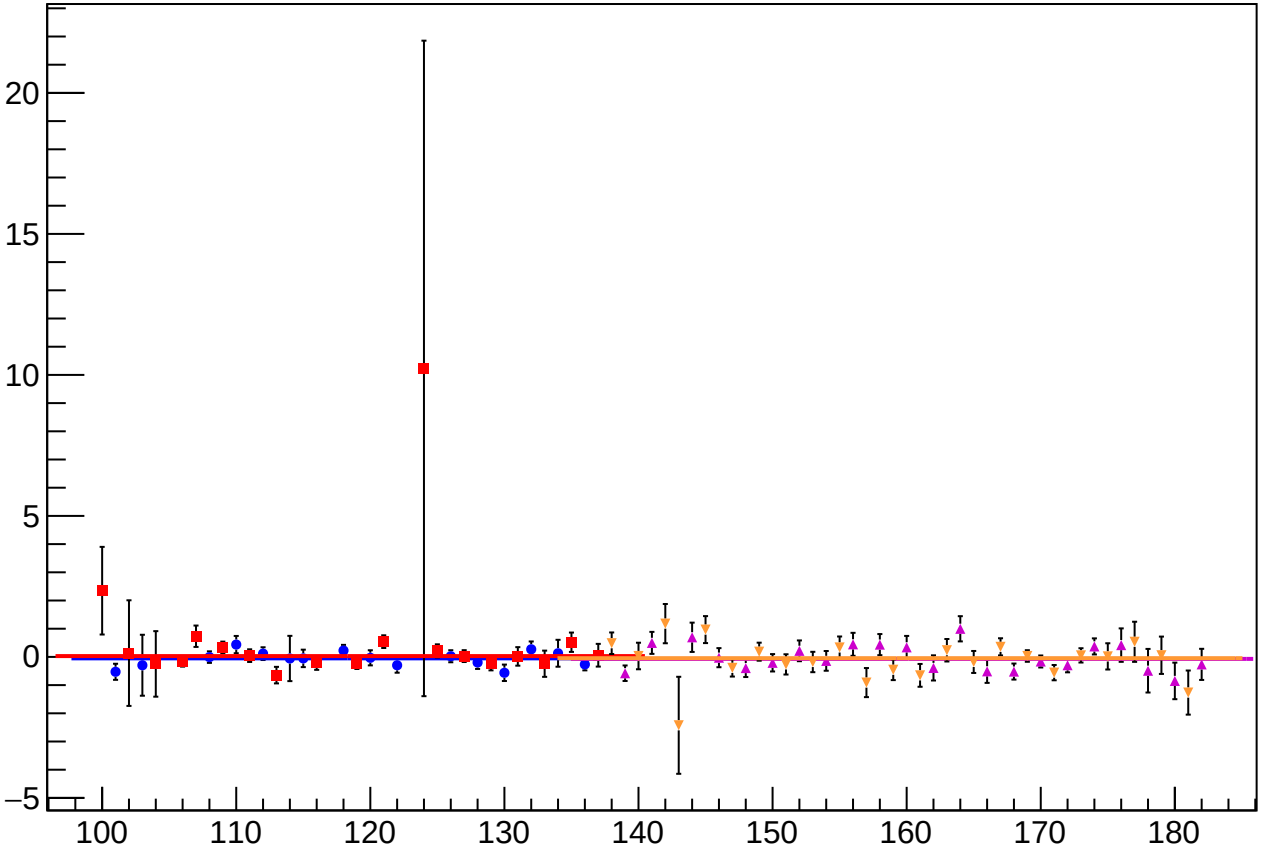
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:9306610.8/37

Out: 0.007+/-0.000 χ^2/NDF:10521583.4/41

All: 0.007+/-0.000 χ^2/NDF: 19828215.8/79

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: -0.046+/-0.078 χ^2/NDF:30.4/22

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.070+/-0.075 χ^2/NDF:29.9/21

Left: -0.058+/-0.054 χ^2/NDF: 60.3/44

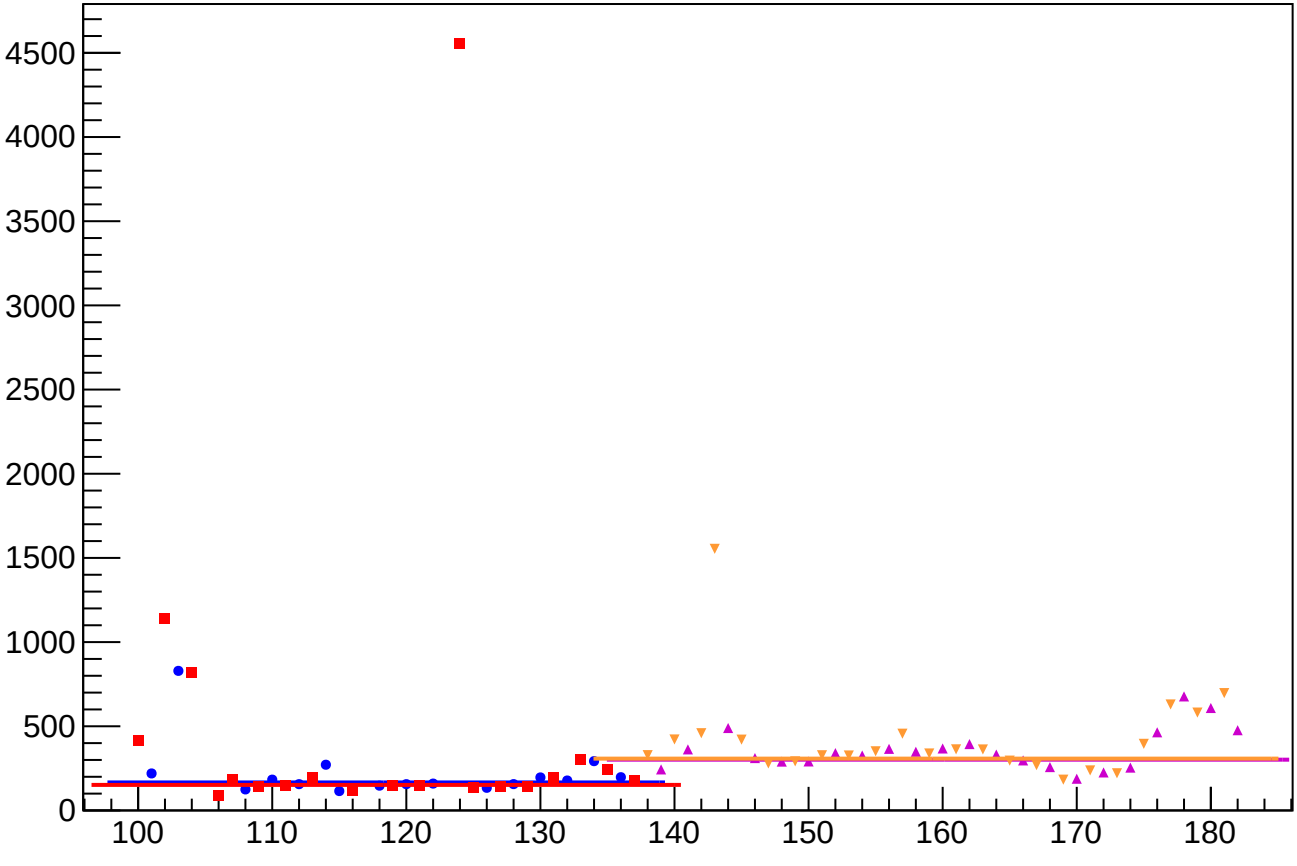
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.050 χ^2/NDF:44.8/37

Out: -0.001+/-0.049 χ^2/NDF:58.5/41

All: -0.030+/-0.035 χ^2/NDF: 104.0/79

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: 307.852+/-0.055 χ^2/NDF:4151649.6/22

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 301.614+/-0.053 χ^2/NDF:2792223.8/21

Left: 304.631+/-0.038 χ^2/NDF: 6950499.9/44

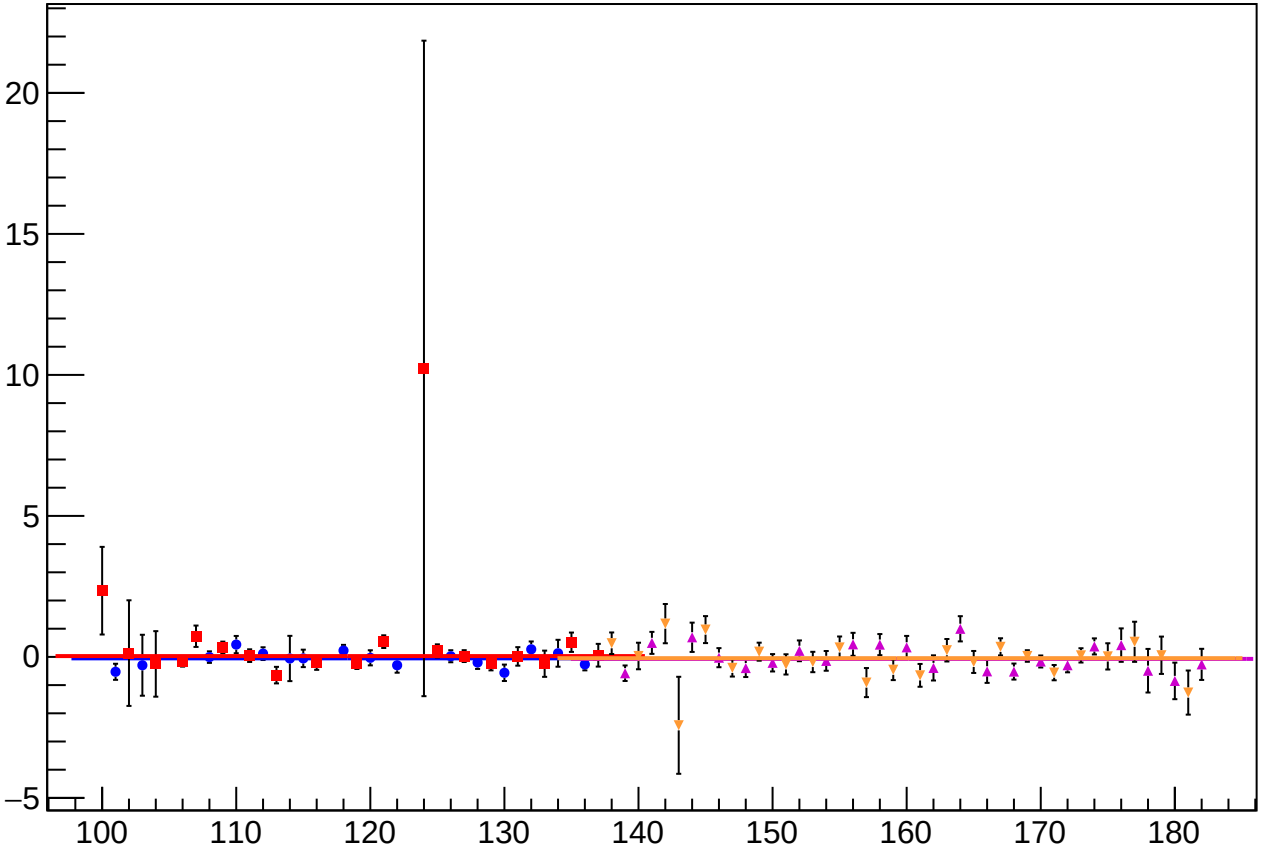
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 225.799+/-0.035 χ^2/NDF:7686116.7/37

Out: 214.728+/-0.035 χ^2/NDF:11260049.6/41

All: 220.207+/-0.025 χ^2/NDF: 18995768.1/79

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: -0.046+/-0.078 χ^2/NDF:30.4/22

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.070+/-0.075 χ^2/NDF:29.9/21

Left: -0.058+/-0.054 χ^2/NDF: 60.3/44

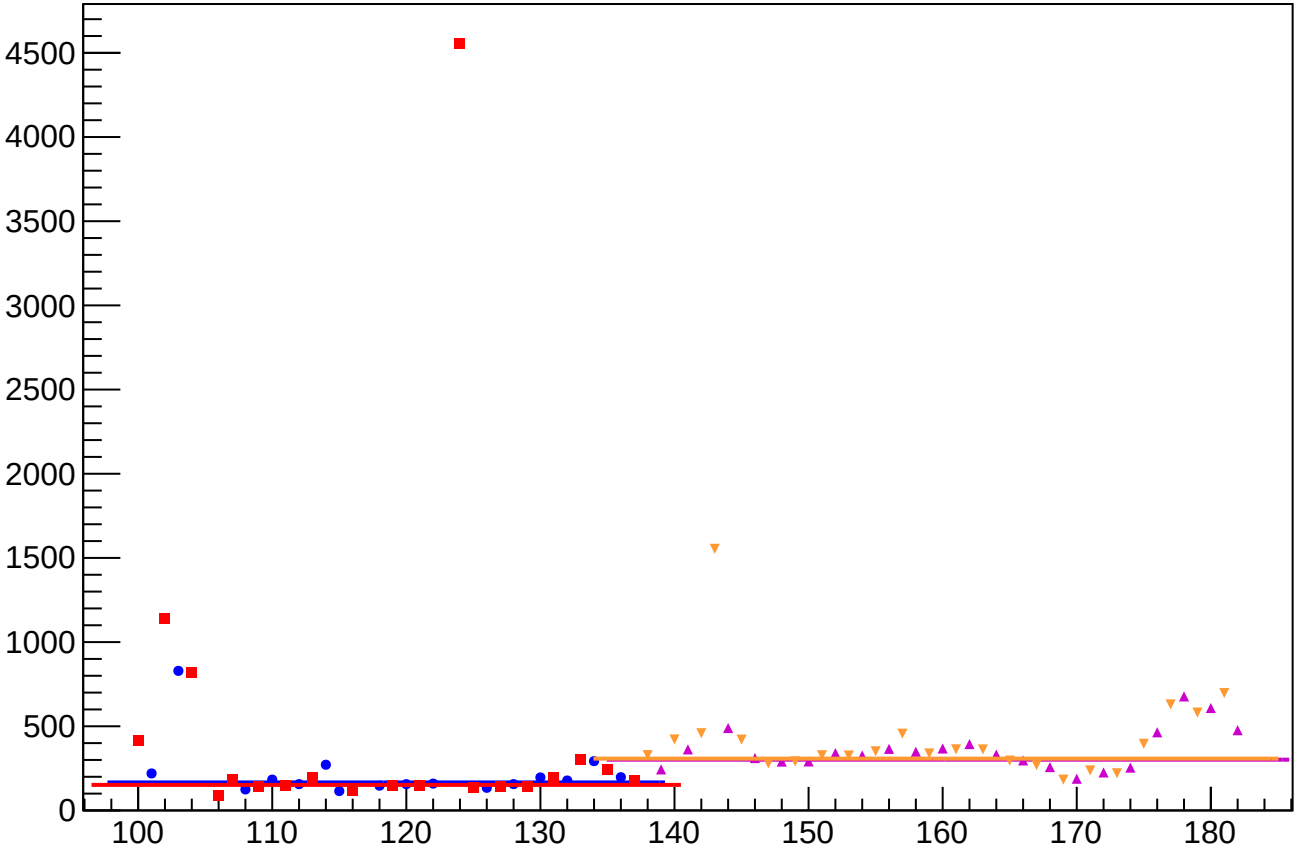
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.050 χ^2/NDF:44.8/37

Out: -0.001+/-0.049 χ^2/NDF:58.5/41

All: -0.030+/-0.035 χ^2/NDF: 104.0/79

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: 307.852+/-0.055 χ^2/NDF:4151649.6/22

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 301.614+/-0.053 χ^2/NDF:2792223.8/21

Left: 304.631+/-0.038 χ^2/NDF: 6950499.9/44

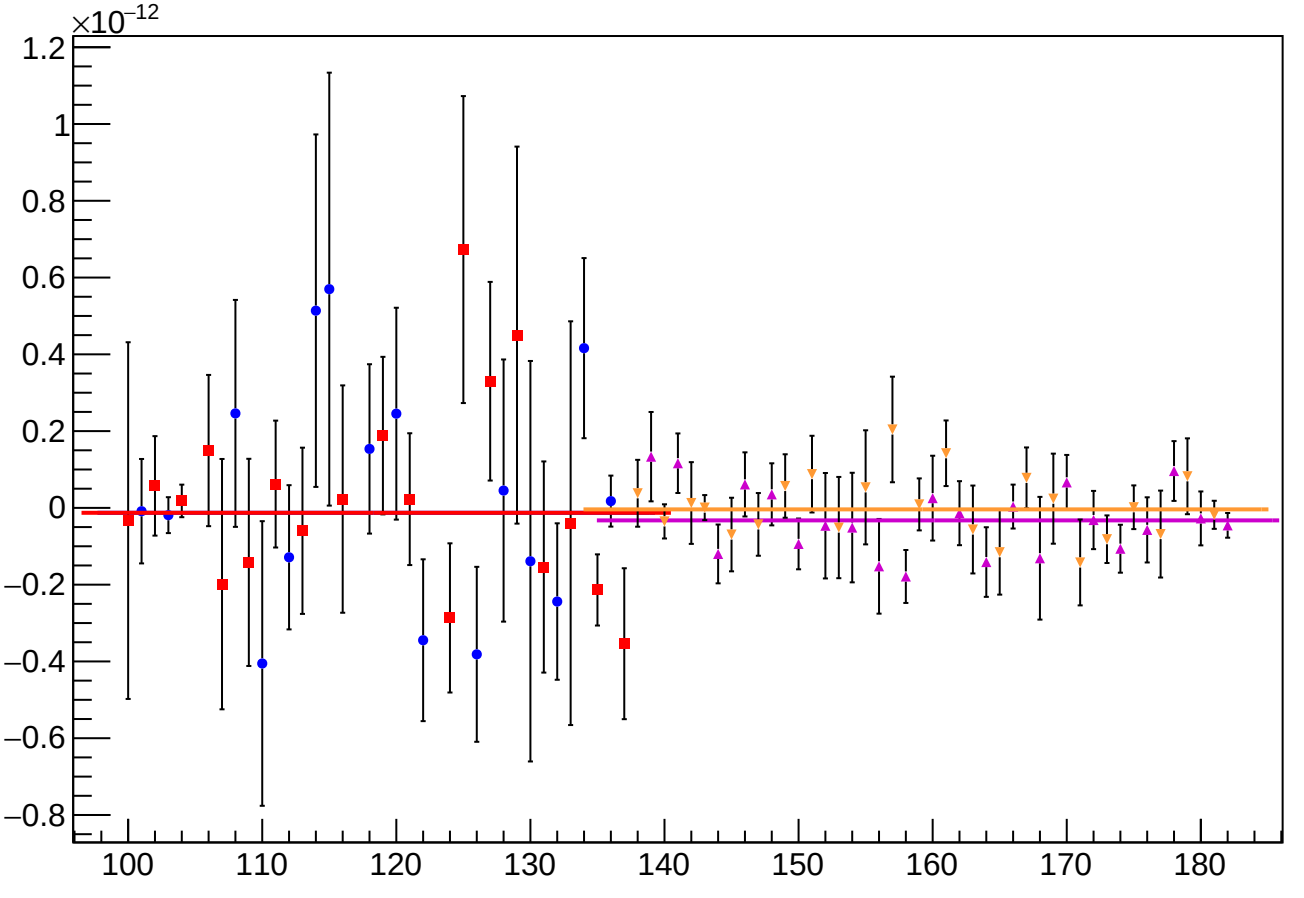
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 225.799+/-0.035 χ^2/NDF:7686116.7/37

Out: 214.728+/-0.035 χ^2/NDF:11260049.6/41

All: 220.207+/-0.025 χ^2/NDF: 18995768.1/79

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/22

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:24.1/21

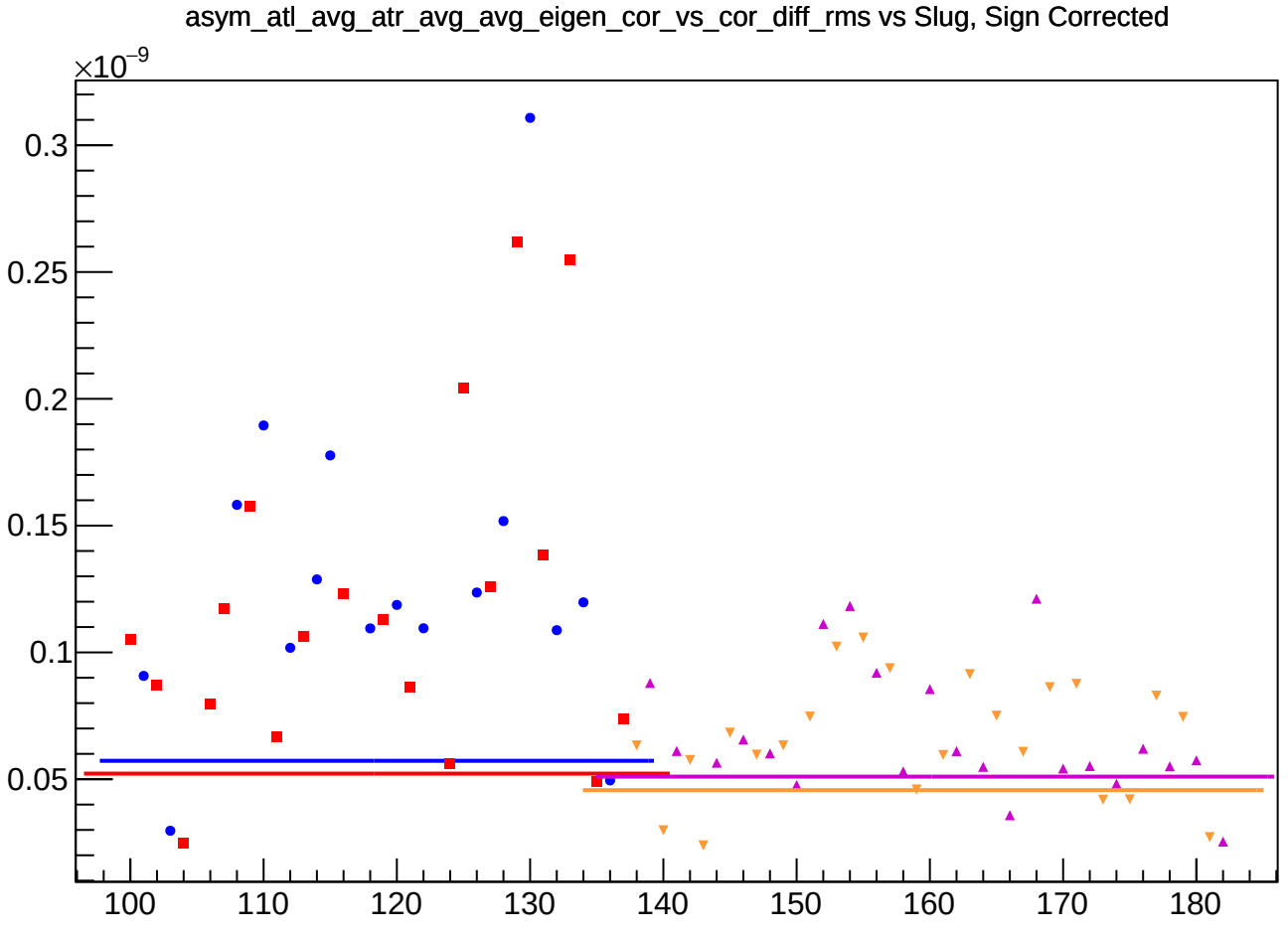
Left: -0.000+/-0.000 χ^2/NDF: 41.0/44

Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:40.6/37

Out: -0.000+/-0.000 χ^2/NDF:34.0/41

All: -0.000+/-0.000 χ^2/NDF: 76.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:4641502.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3480590.4/21

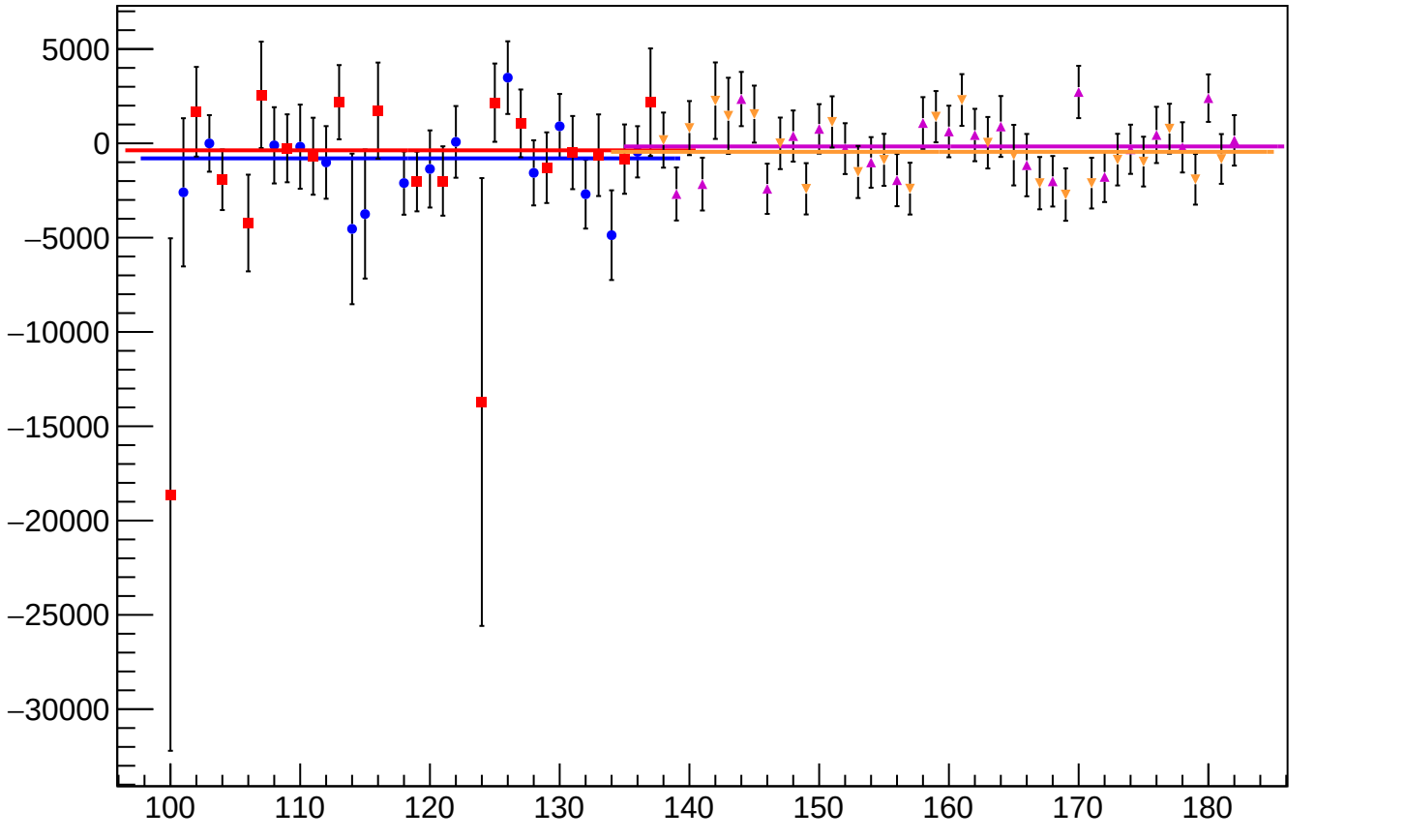
Left: 0.000+/-0.000 χ^2/NDF: 8245697.9/44

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:6522456.0/37

Out: 0.000+/-0.000 χ^2/NDF:7999727.6/41

All: 0.000+/-0.000 χ^2/NDF: 14672234.5/79



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -450.113+/-295.142 χ^2/NDF:25.7/22

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -164.744+/-293.807 χ^2/NDF:28.1/21

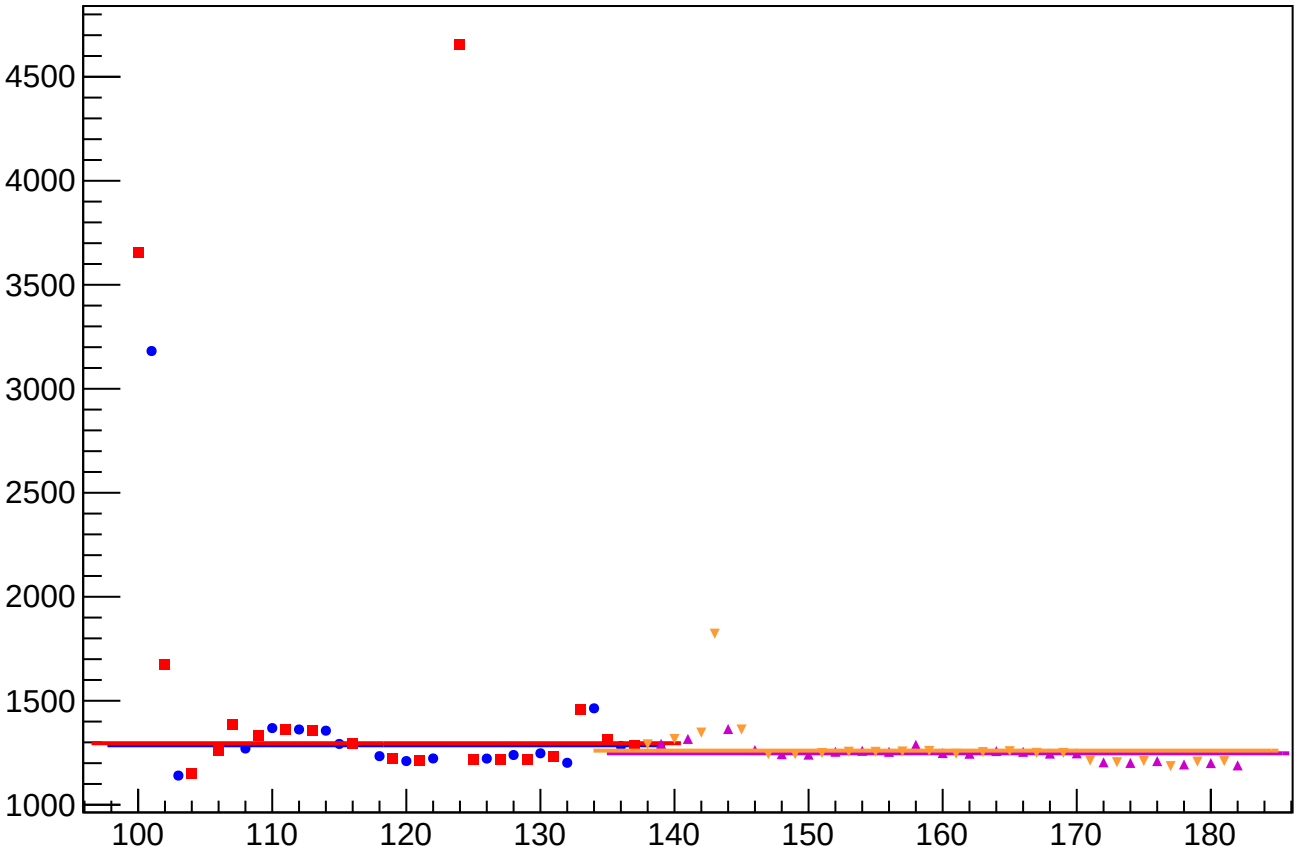
Left: -306.782+/-208.223 χ^2/NDF: 54.2/44

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -333.305+/-251.633 χ^2/NDF:42.8/37

Out: -428.520+/-252.243 χ^2/NDF:41.3/41

All: -380.797+/-178.147 χ^2/NDF: 84.1/79



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1260.308+/-0.209 χ^2/NDF:194520.5/22

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1247.423+/-0.208 χ^2/NDF:38379.9/21

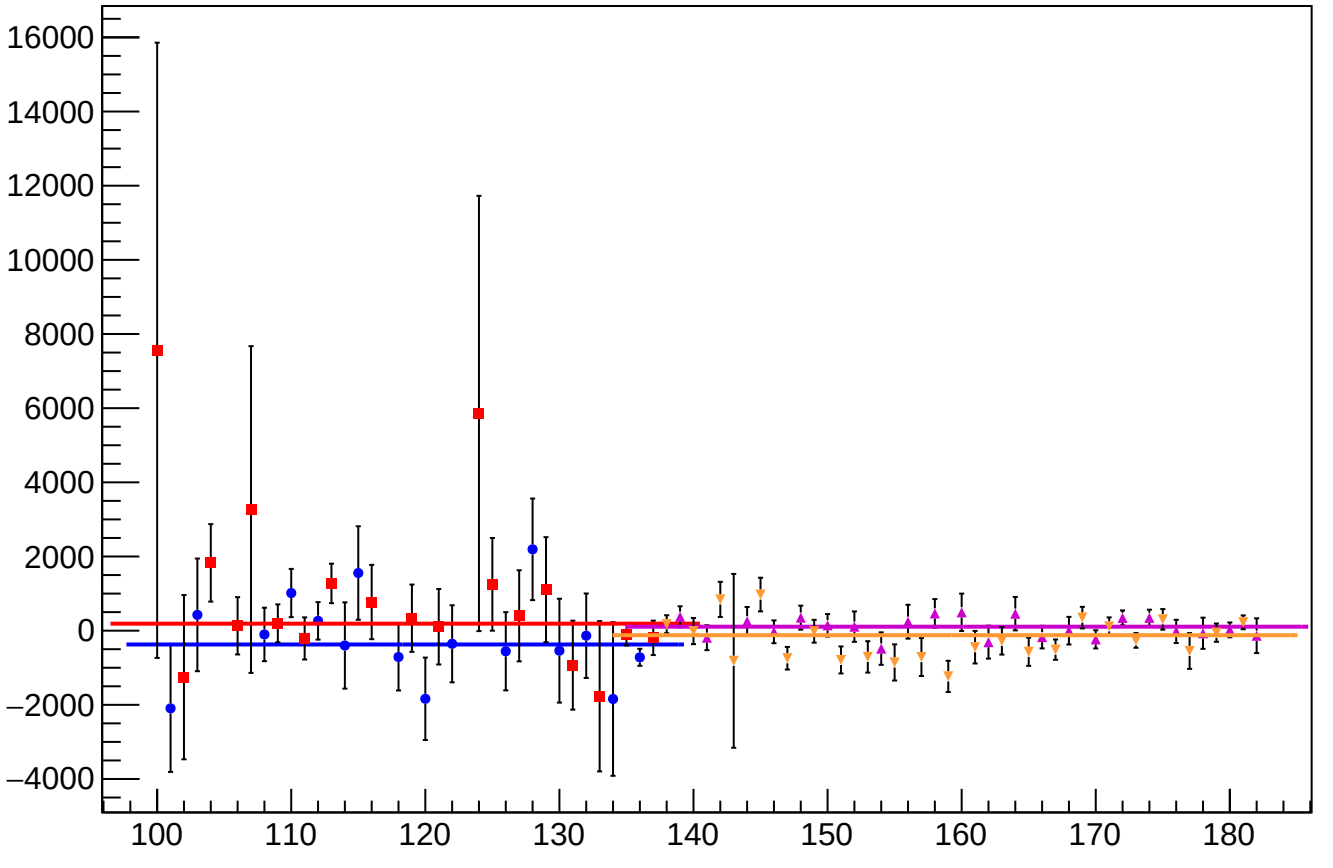
Left: 1253.836+/-0.147 χ^2/NDF: 234815.2/44

Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1257.729+/-0.178 χ^2/NDF:565741.6/37

Out: 1269.914+/-0.178 χ^2/NDF:530449.7/41

All: 1263.807+/-0.126 χ^2/NDF: 1098530.9/79



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -122.476+/-65.651 χ^2/NDF:46.7/22

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 106.923+/-67.198 χ^2/NDF:13.7/21

Left: -10.449+/-46.960 χ^2/NDF: 66.4/44

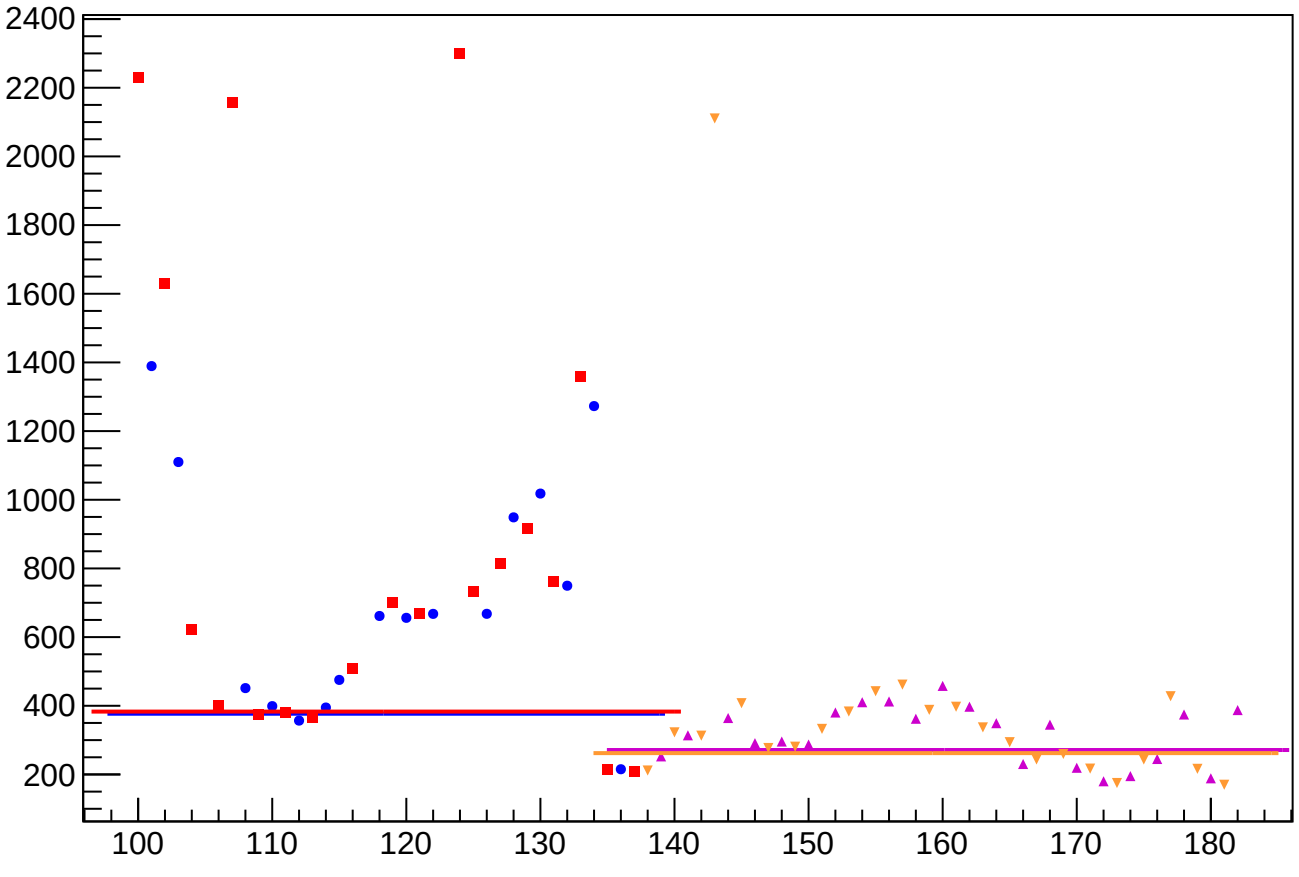
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 40.961+/-62.403 χ^2/NDF:38.9/37

Out: -81.884+/-61.223 χ^2/NDF:64.3/41

All: -21.634+/-43.702 χ^2/NDF: 105.2/79

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: 262.119+/-0.046 χ^2/NDF:4172625.8/22

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 271.167+/-0.048 χ^2/NDF:2778914.3/21

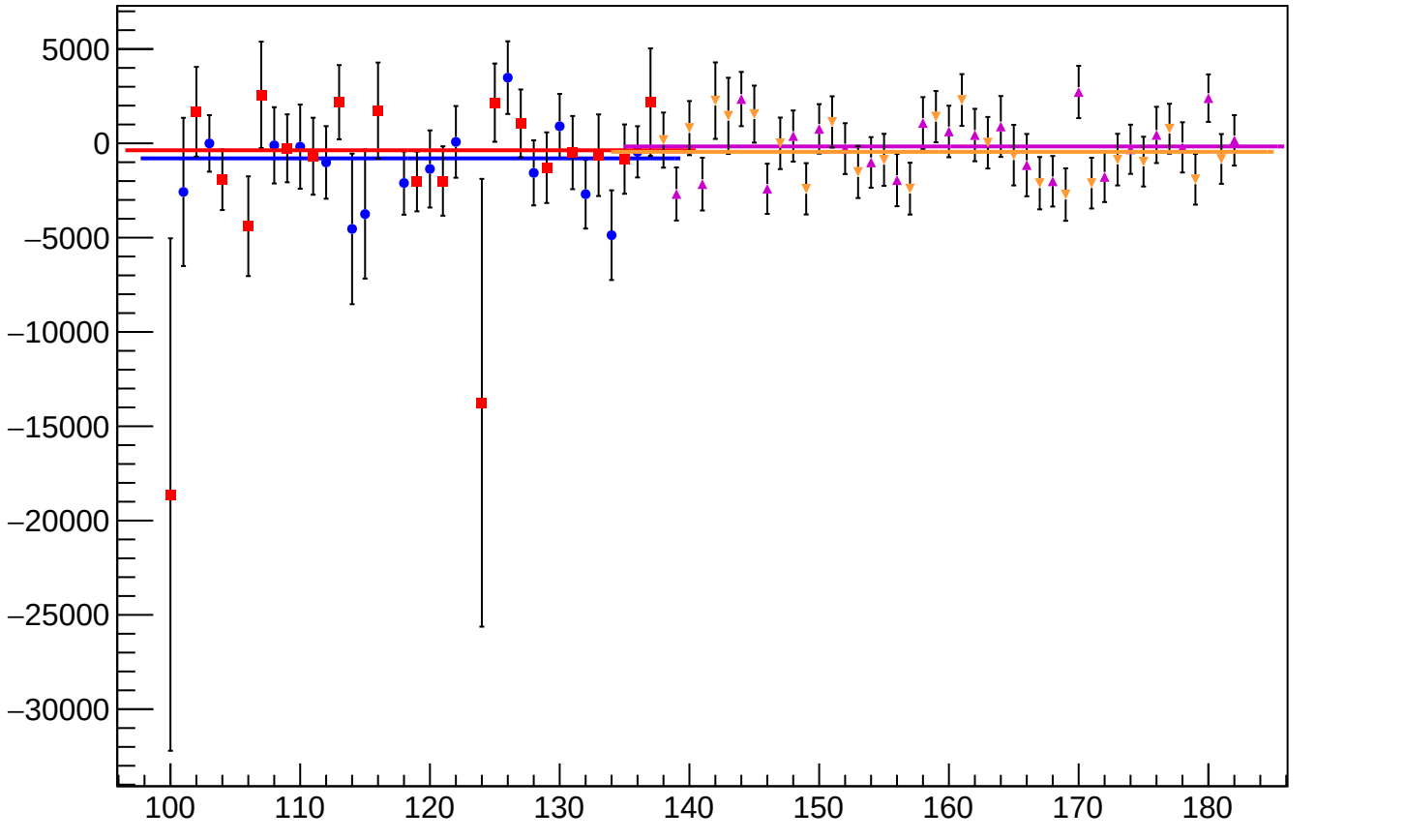
Left: 266.538+/-0.033 χ^2/NDF: 6970089.0/44

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 285.718+/-0.044 χ^2/NDF:7650525.2/37

Out: 277.885+/-0.043 χ^2/NDF:9111648.3/41

All: 281.727+/-0.031 χ^2/NDF: 16778230.9/79



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -450.066+/-295.142 χ^2/NDF:25.7/22

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -164.724+/-293.807 χ^2/NDF:28.1/21

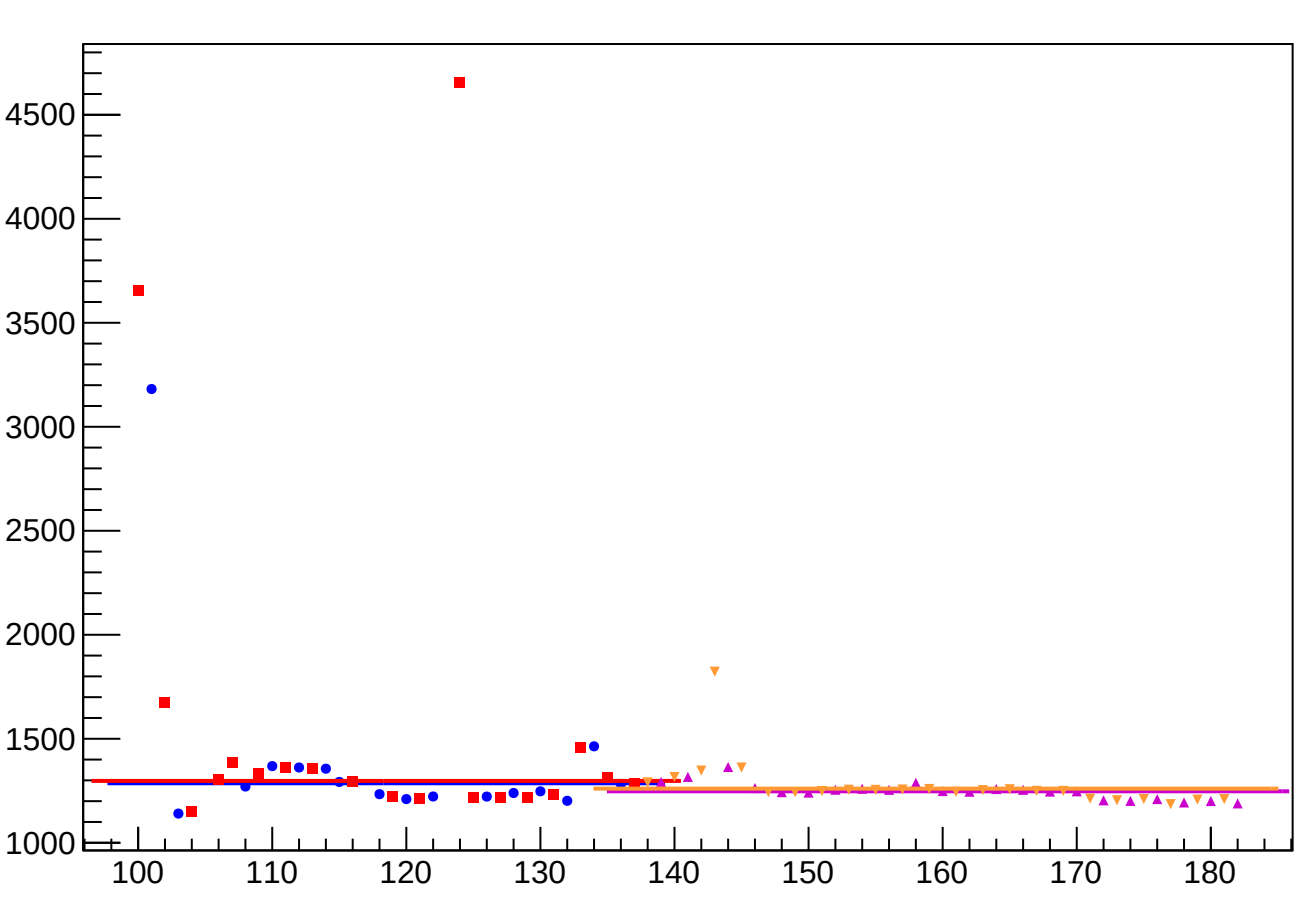
Left: -306.748+/-208.223 χ^2/NDF: 54.2/44

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -333.183+/-251.633 χ^2/NDF:42.8/37

Out: -427.837+/-252.316 χ^2/NDF:41.4/41

All: -380.381+/-178.172 χ^2/NDF: 84.2/79



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1260.308+/-0.209 χ^2/NDF:194520.4/22

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1247.423+/-0.208 χ^2/NDF:38379.9/21

Left: 1253.836+/-0.147 χ^2/NDF: 234815.2/44

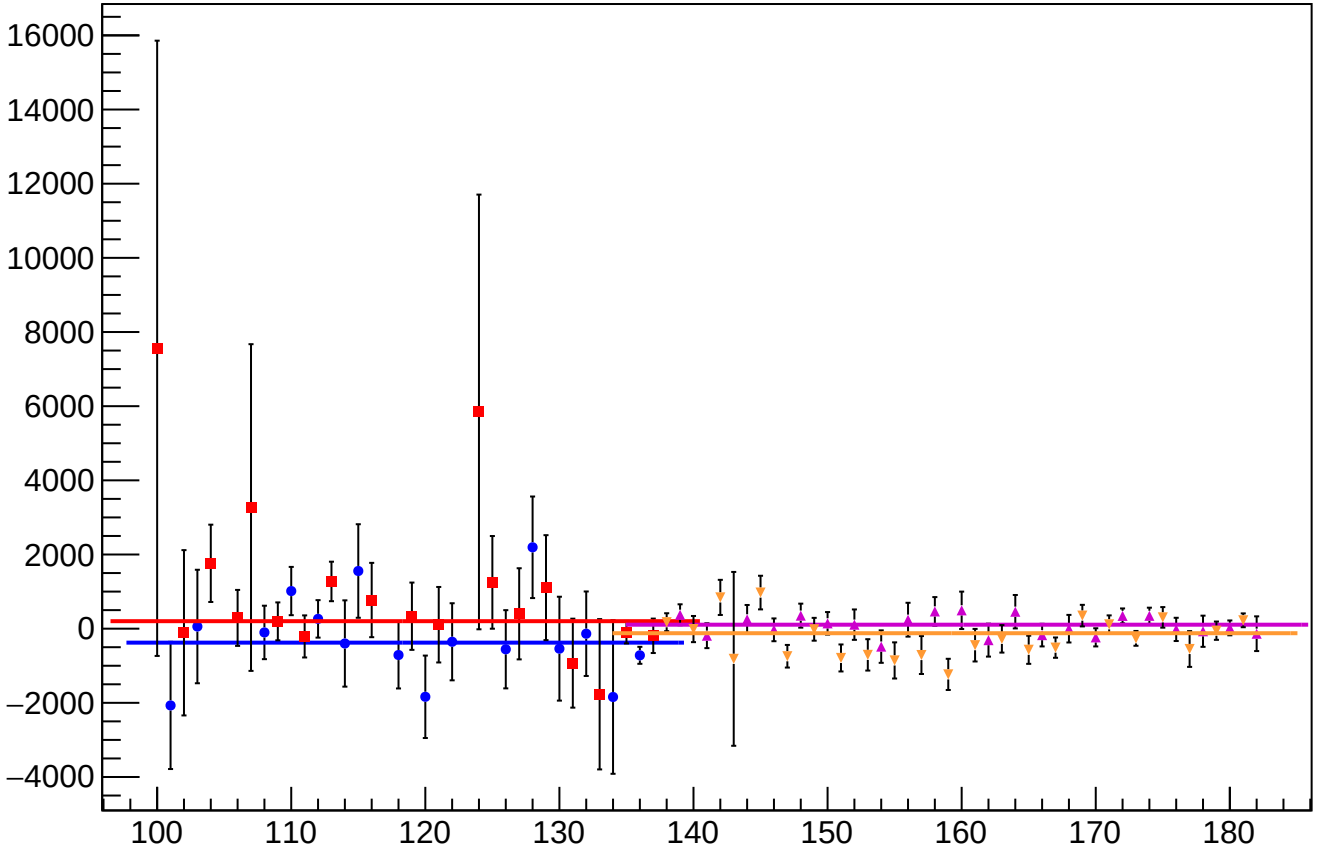
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1257.729+/-0.178 χ^2/NDF:565743.0/37

Out: 1270.290+/-0.178 χ^2/NDF:530761.3/41

All: 1263.992+/-0.126 χ^2/NDF: 1098989.4/79

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: -122.454+/-65.652 χ^2/NDF:46.7/22

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 107.037+/-67.200 χ^2/NDF:13.7/21

Left: -10.383+/-46.961 χ^2/NDF: 66.4/44

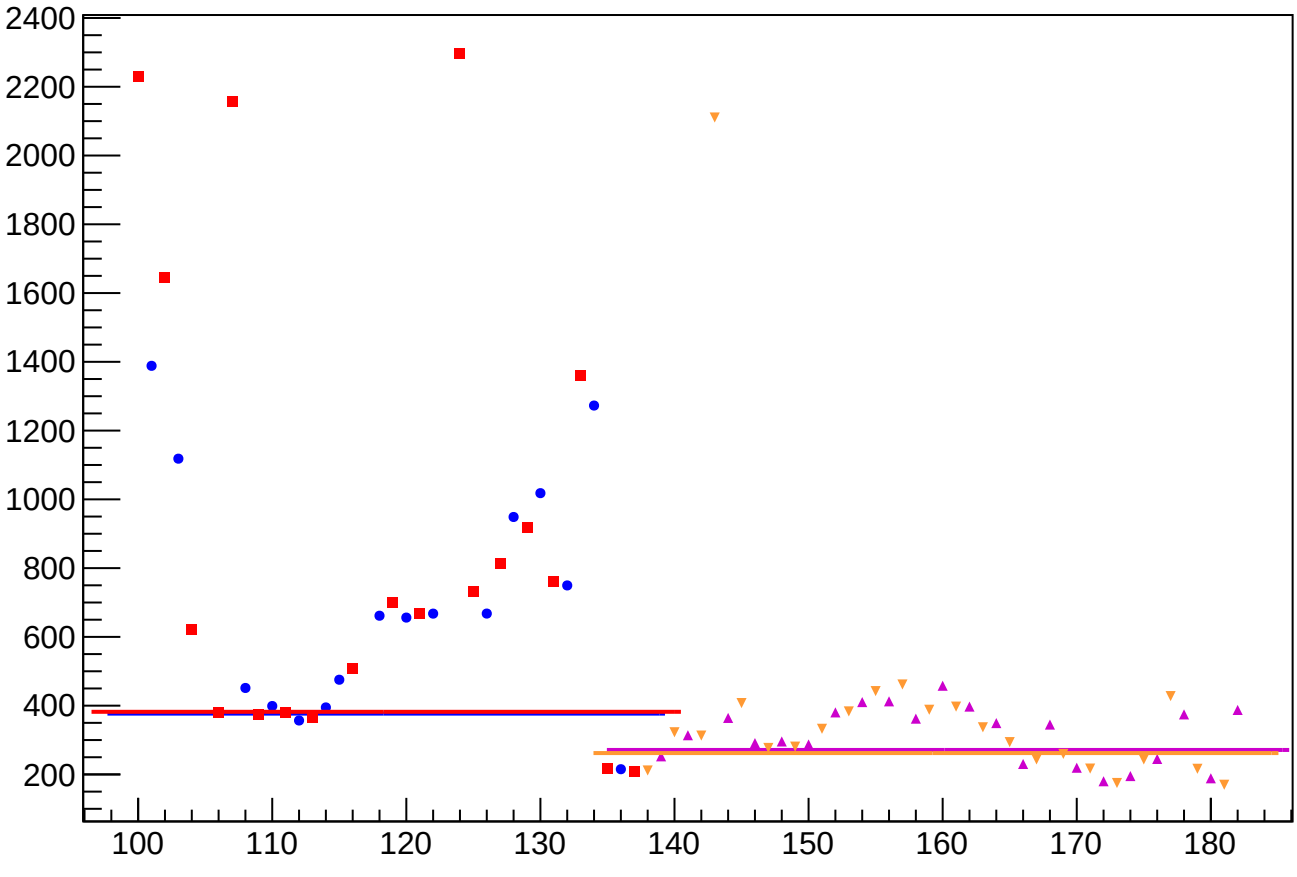
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 40.457+/-62.405 χ^2/NDF:38.8/37

Out: -80.056+/-61.214 χ^2/NDF:64.0/41

All: -20.960+/-43.700 χ^2/NDF: 104.7/79

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: 262.125+/-0.046 χ^2/NDF:4172619.8/22

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 271.176+/-0.048 χ^2/NDF:2778687.6/21

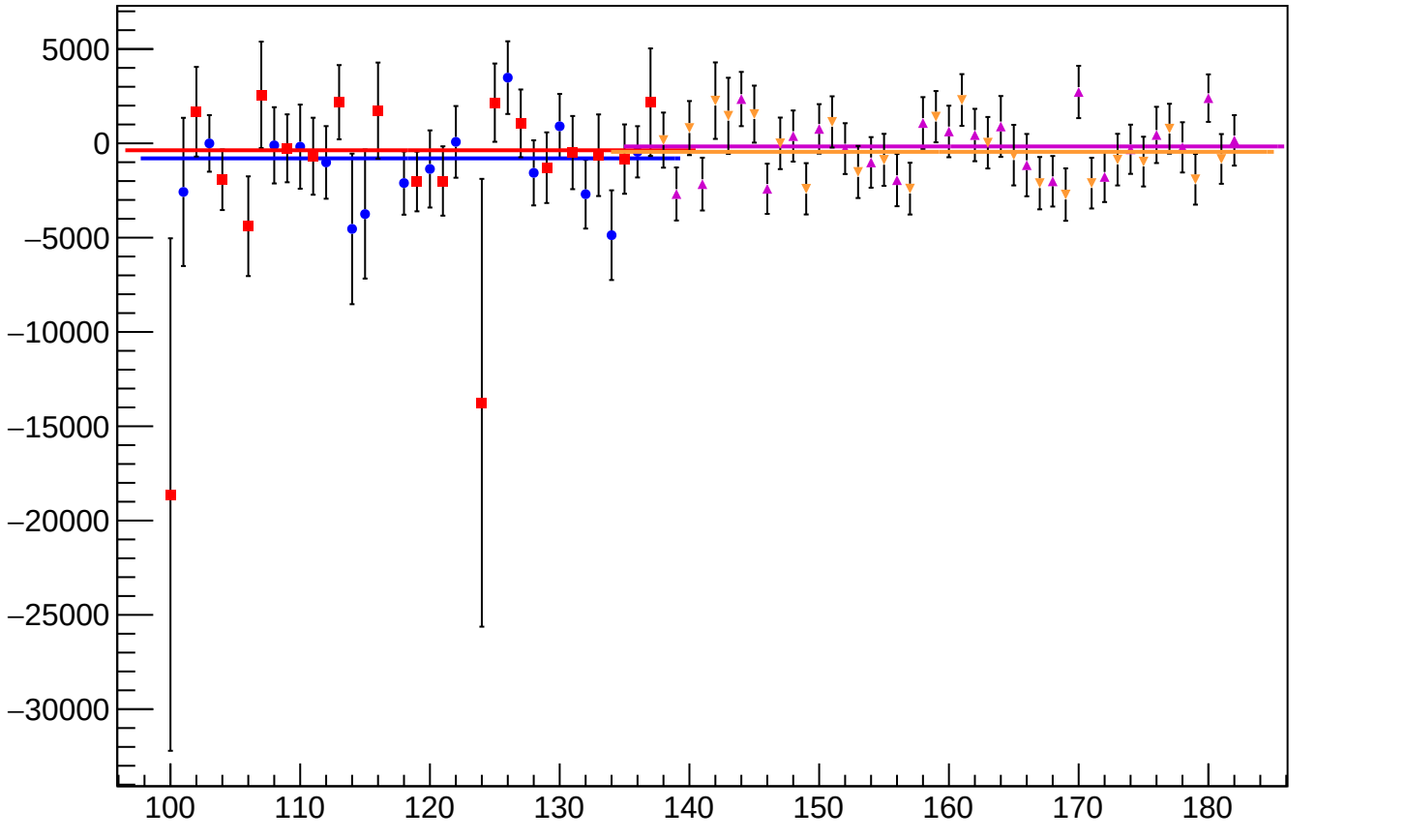
Left: 266.545+/-0.033 χ^2/NDF: 6969873.0/44

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 285.723+/-0.044 χ^2/NDF:7653052.5/37

Out: 277.800+/-0.043 χ^2/NDF:9105140.5/41

All: 281.685+/-0.031 χ^2/NDF: 16774623.4/79



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -450.066+/-295.142 χ^2/NDF:25.7/22

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -164.724+/-293.807 χ^2/NDF:28.1/21

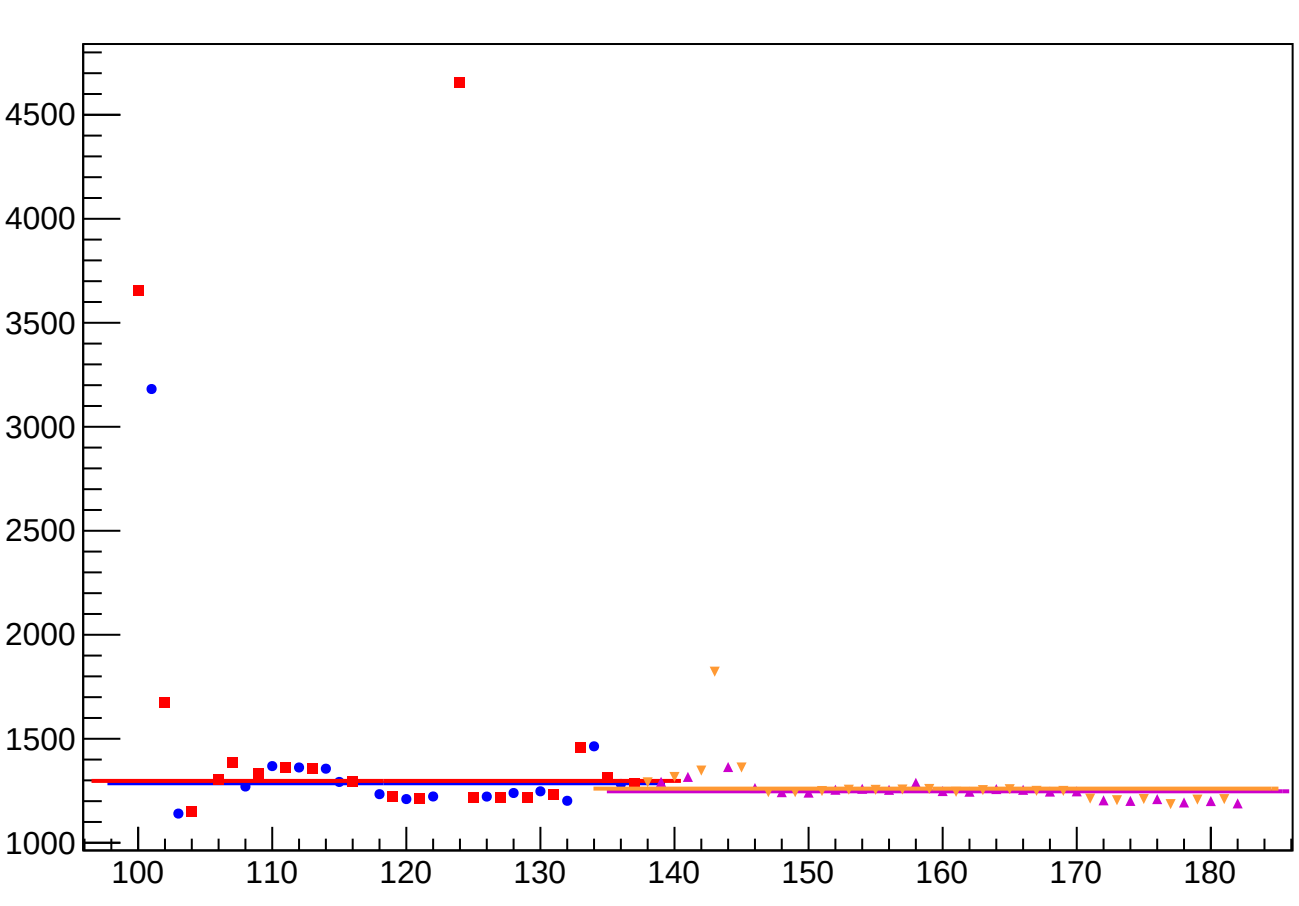
Left: -306.748+/-208.223 χ^2/NDF: 54.2/44

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -333.183+/-251.633 χ^2/NDF:42.8/37

Out: -427.837+/-252.316 χ^2/NDF:41.4/41

All: -380.381+/-178.172 χ^2/NDF: 84.2/79



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1260.308+/-0.209 χ^2/NDF:194520.4/22

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1247.423+/-0.208 χ^2/NDF:38379.9/21

Left: 1253.836+/-0.147 χ^2/NDF: 234815.2/44

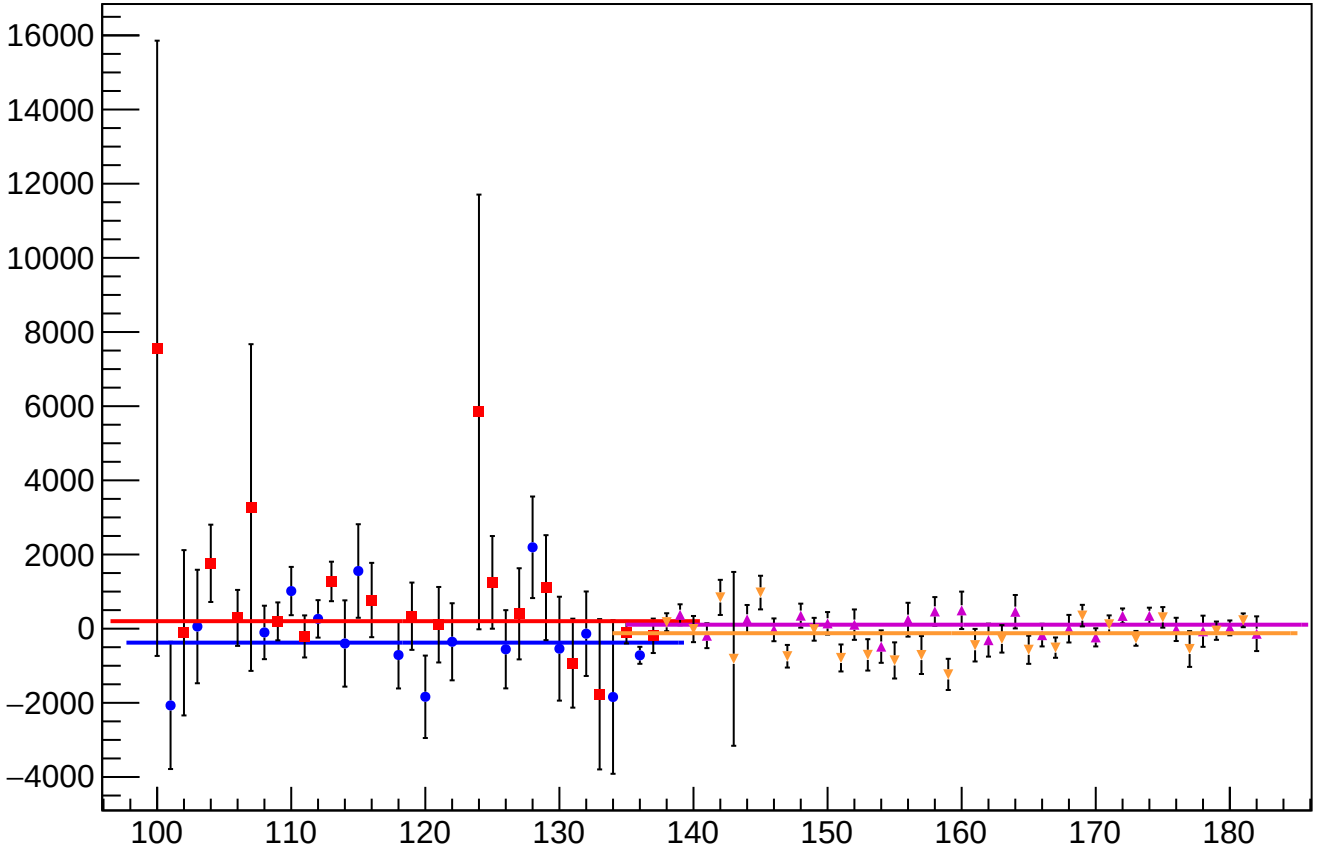
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1257.729+/-0.178 χ^2/NDF:565743.0/37

Out: 1270.290+/-0.178 χ^2/NDF:530761.3/41

All: 1263.992+/-0.126 χ^2/NDF: 1098989.4/79

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: -122.454+/-65.652 χ^2/NDF:46.7/22

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 107.037+/-67.200 χ^2/NDF:13.7/21

Left: -10.383+/-46.961 χ^2/NDF: 66.4/44

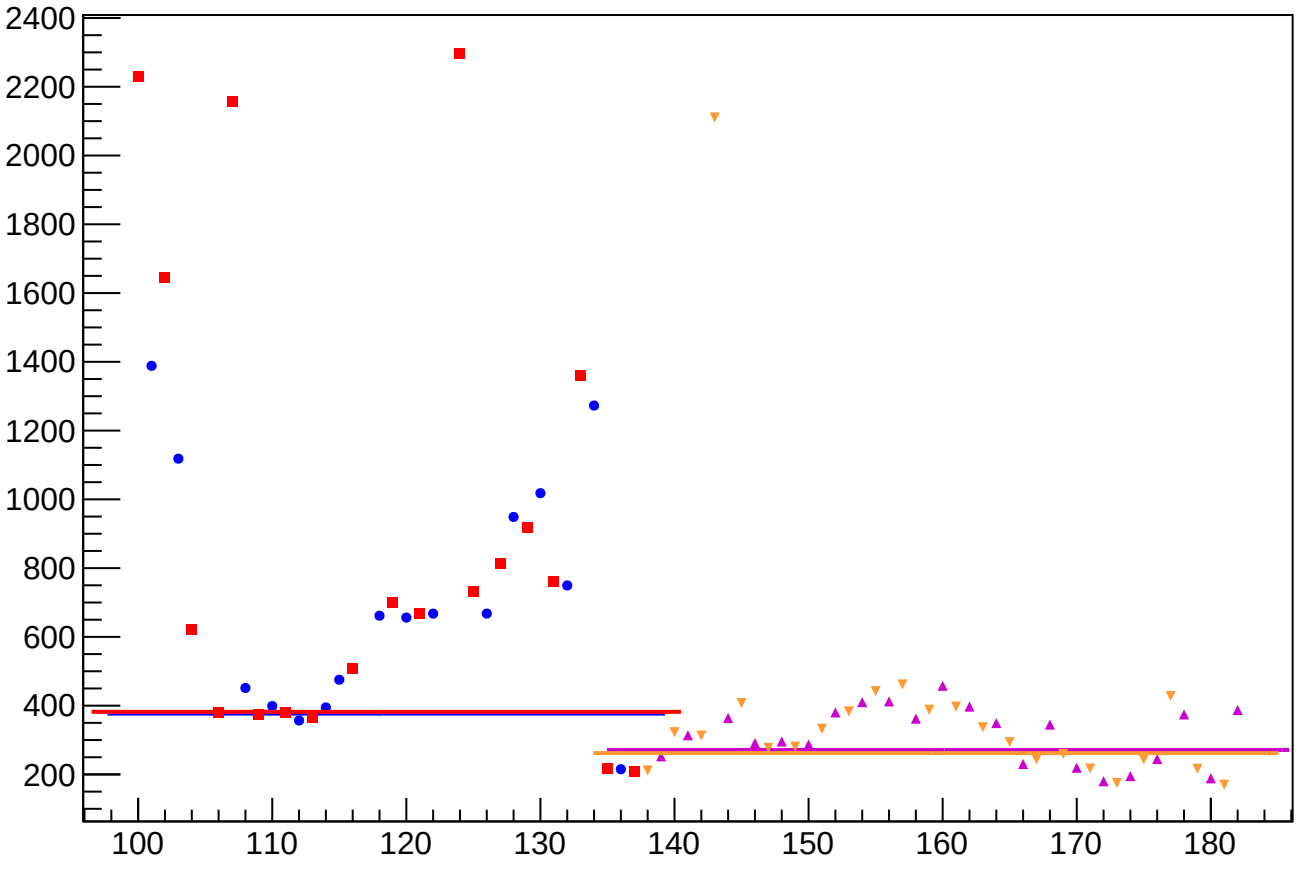
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 40.457+/-62.405 χ^2/NDF:38.8/37

Out: -80.056+/-61.214 χ^2/NDF:64.0/41

All: -20.960+/-43.700 χ^2/NDF: 104.7/79

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: 262.125+/-0.046 χ^2/NDF:4172619.8/22

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 271.176+/-0.048 χ^2/NDF:2778687.6/21

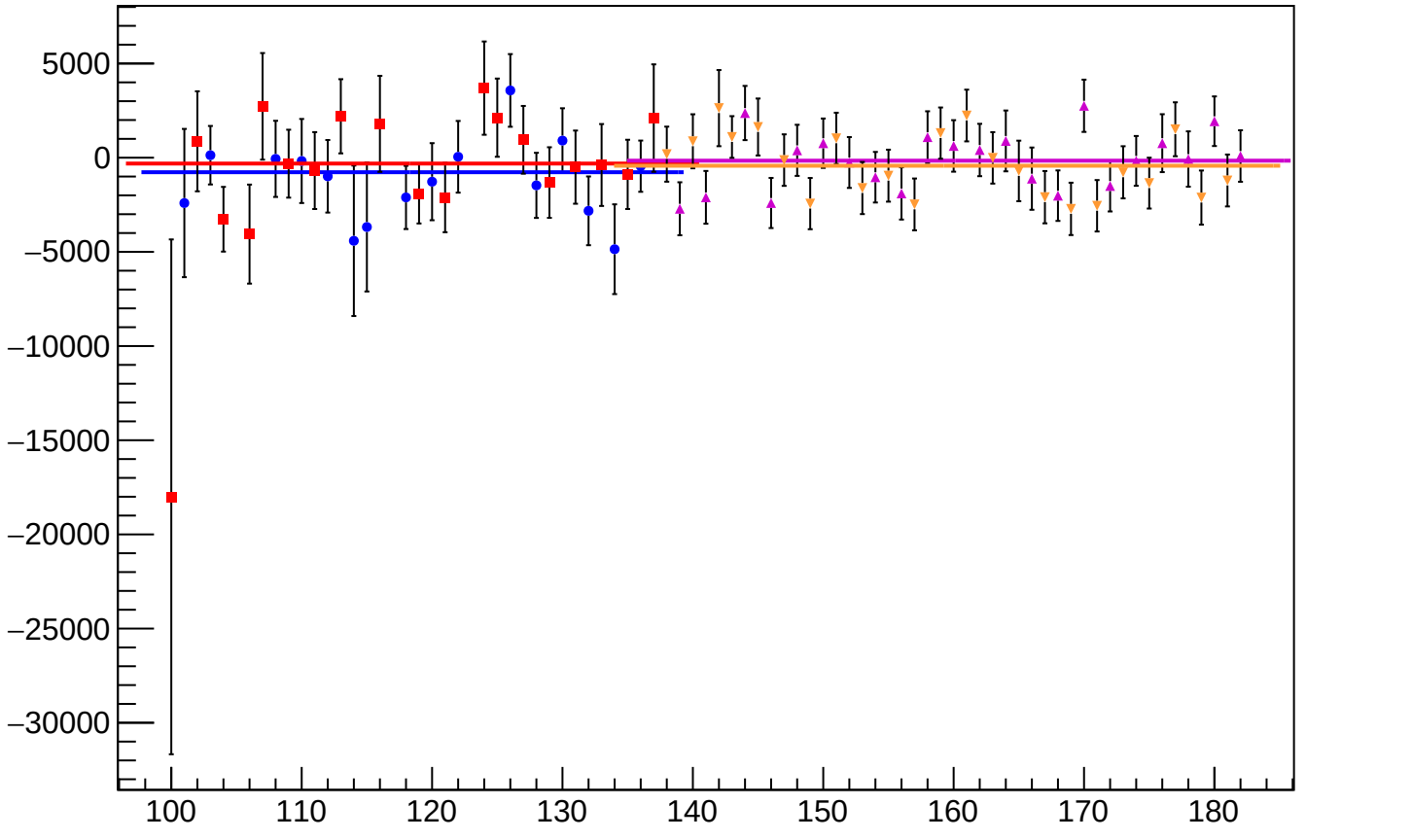
Left: 266.545+/-0.033 χ^2/NDF: 6969873.0/44

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 285.723+/-0.044 χ^2/NDF:7653052.5/37

Out: 277.800+/-0.043 χ^2/NDF:9105140.5/41

All: 281.685+/-0.031 χ^2/NDF: 16774623.4/79



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -427.671+/-291.318 χ^2/NDF:29.7/22

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -157.854+/-296.987 χ^2/NDF:26.2/21

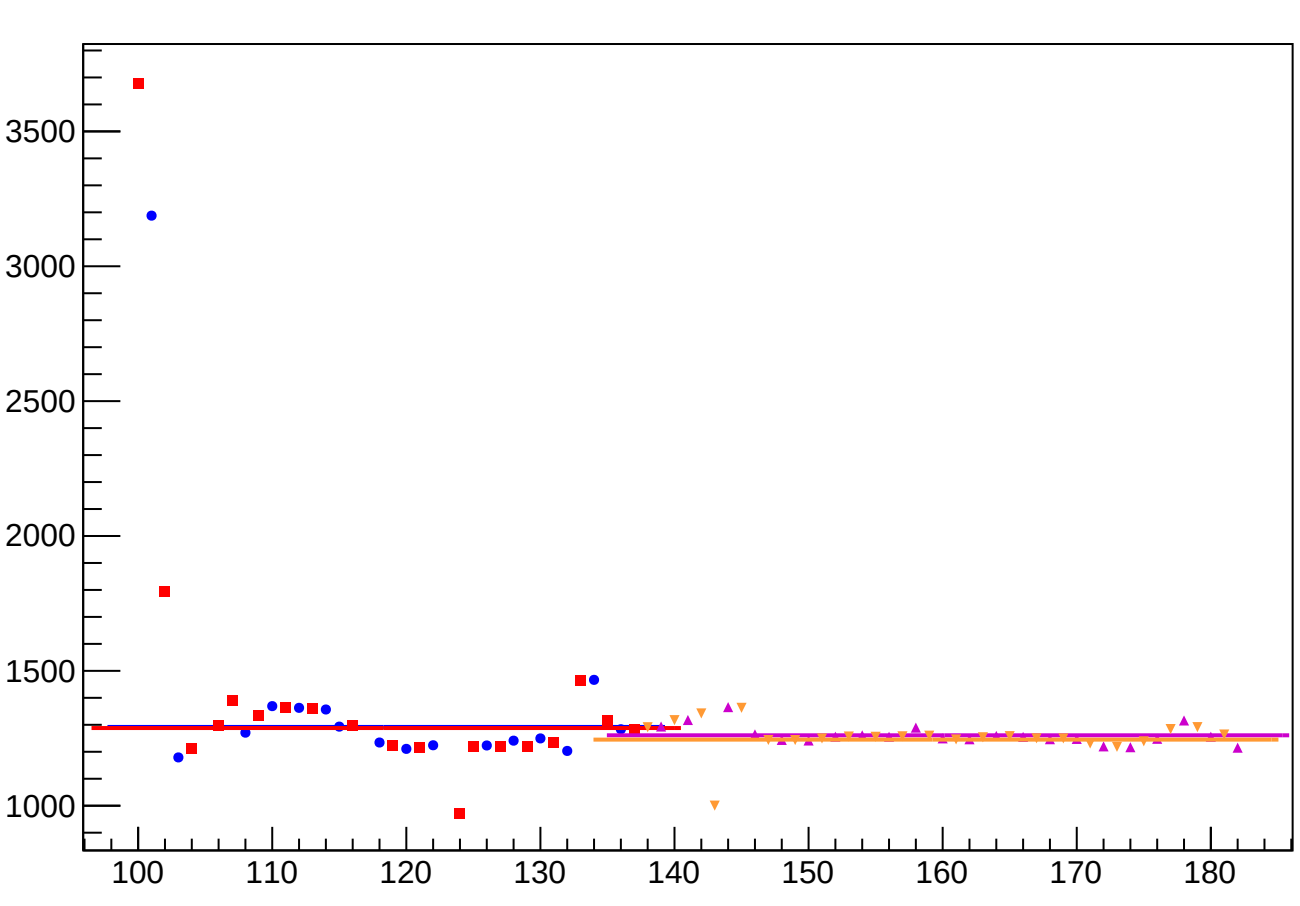
Left: -295.362+/-207.968 χ^2/NDF: 56.3/44

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -322.911+/-253.923 χ^2/NDF:40.9/37

Out: -396.627+/-249.407 χ^2/NDF:47.7/41

All: -360.430+/-177.933 χ^2/NDF: 88.6/79



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1245.065+/-0.206 χ^2/NDF:127405.0/22

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.079+/-0.210 χ^2/NDF:26691.7/21

Left: 1252.918+/-0.147 χ^2/NDF: 157060.2/44

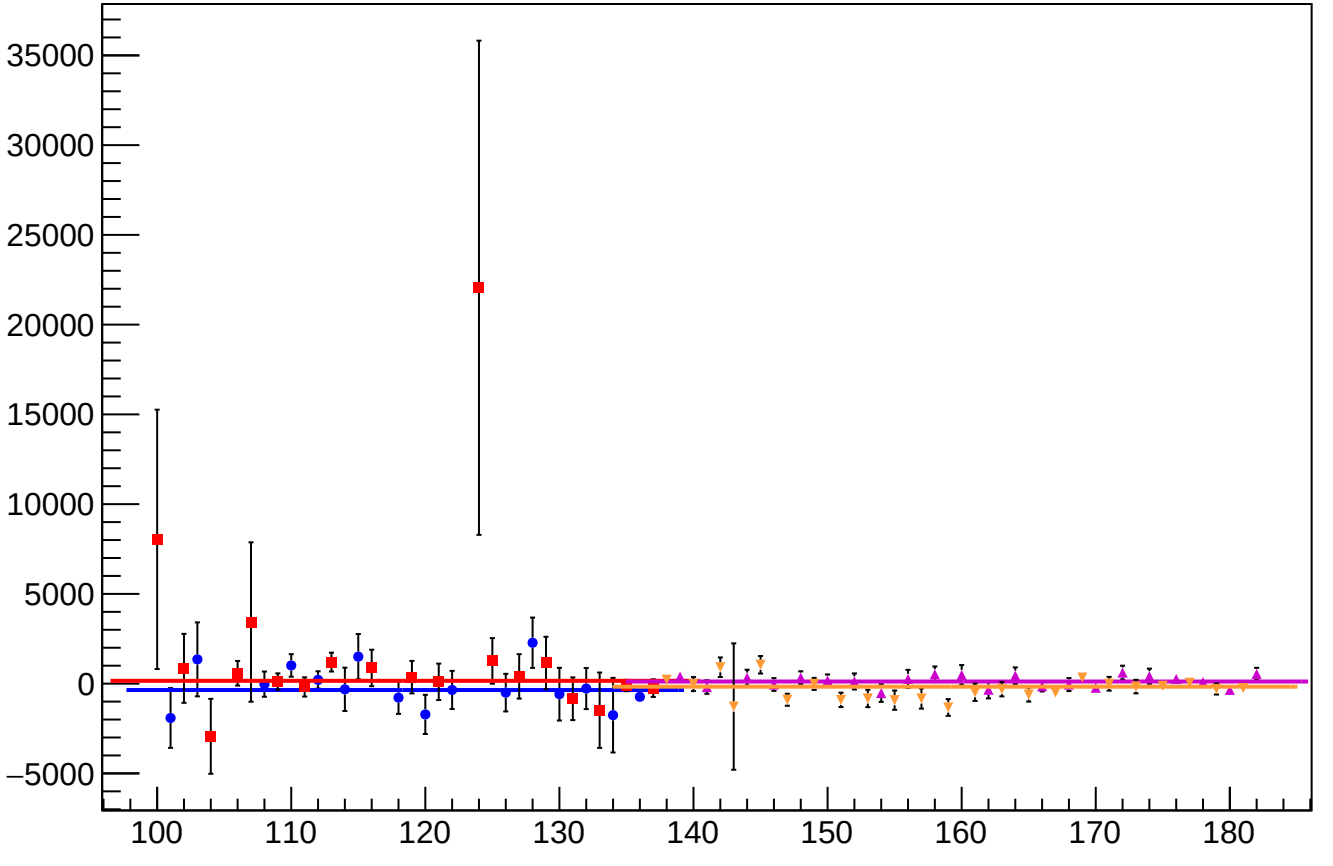
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1269.406+/-0.180 χ^2/NDF:541943.7/37

Out: 1256.527+/-0.176 χ^2/NDF:348208.1/41

All: 1262.851+/-0.126 χ^2/NDF: 892770.5/79

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: -168.765+/-65.544 χ^2/NDF:41.8/22

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 118.511+/-69.370 χ^2/NDF:17.9/21

Left: -33.268+/-47.642 χ^2/NDF: 68.8/44

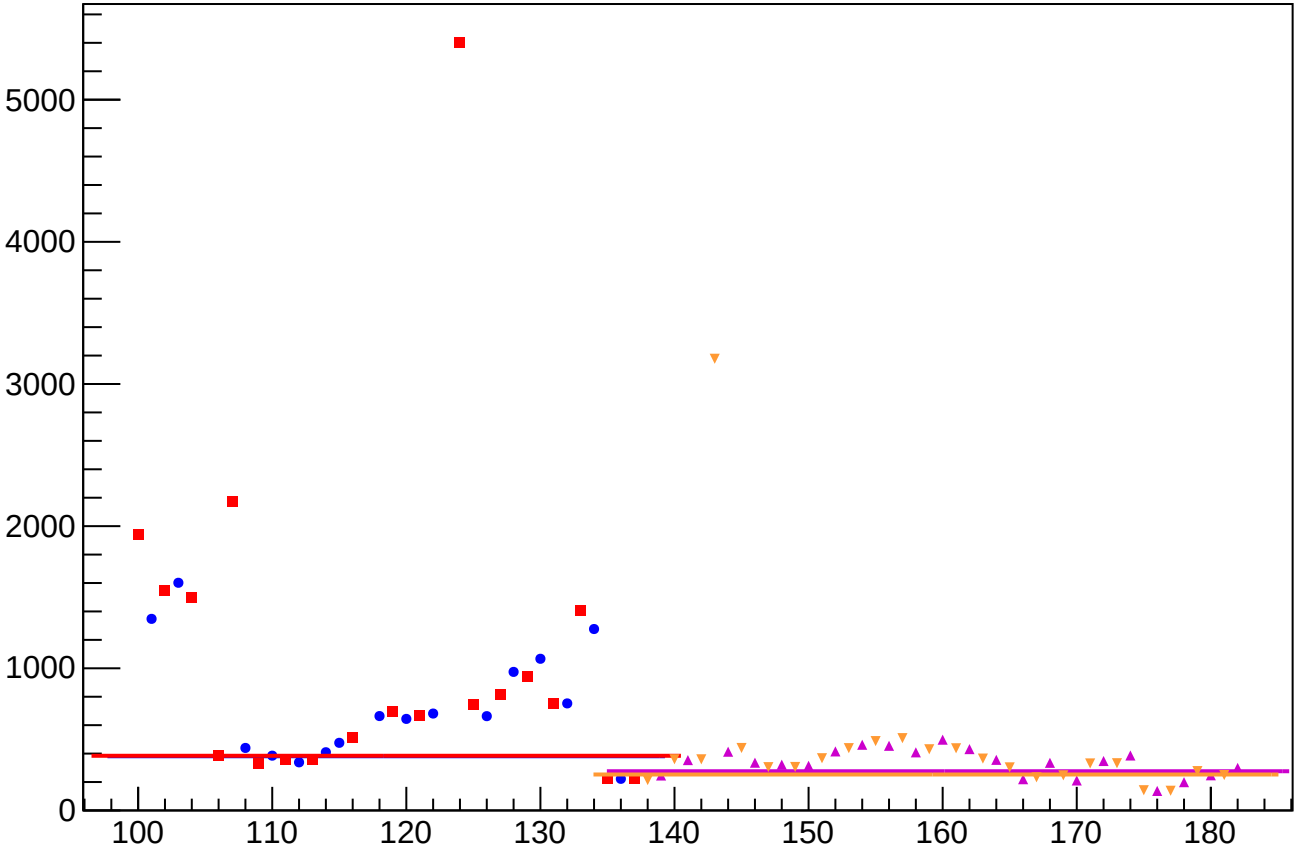
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 50.868+/-64.227 χ^2/NDF:43.0/37

Out: -126.342+/-61.140 χ^2/NDF:60.9/41

All: -42.098+/-44.284 χ^2/NDF: 107.8/79

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 253.005+/-0.046 χ^2/NDF:6290402.9/22

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 275.869+/-0.049 χ^2/NDF:4022379.0/21

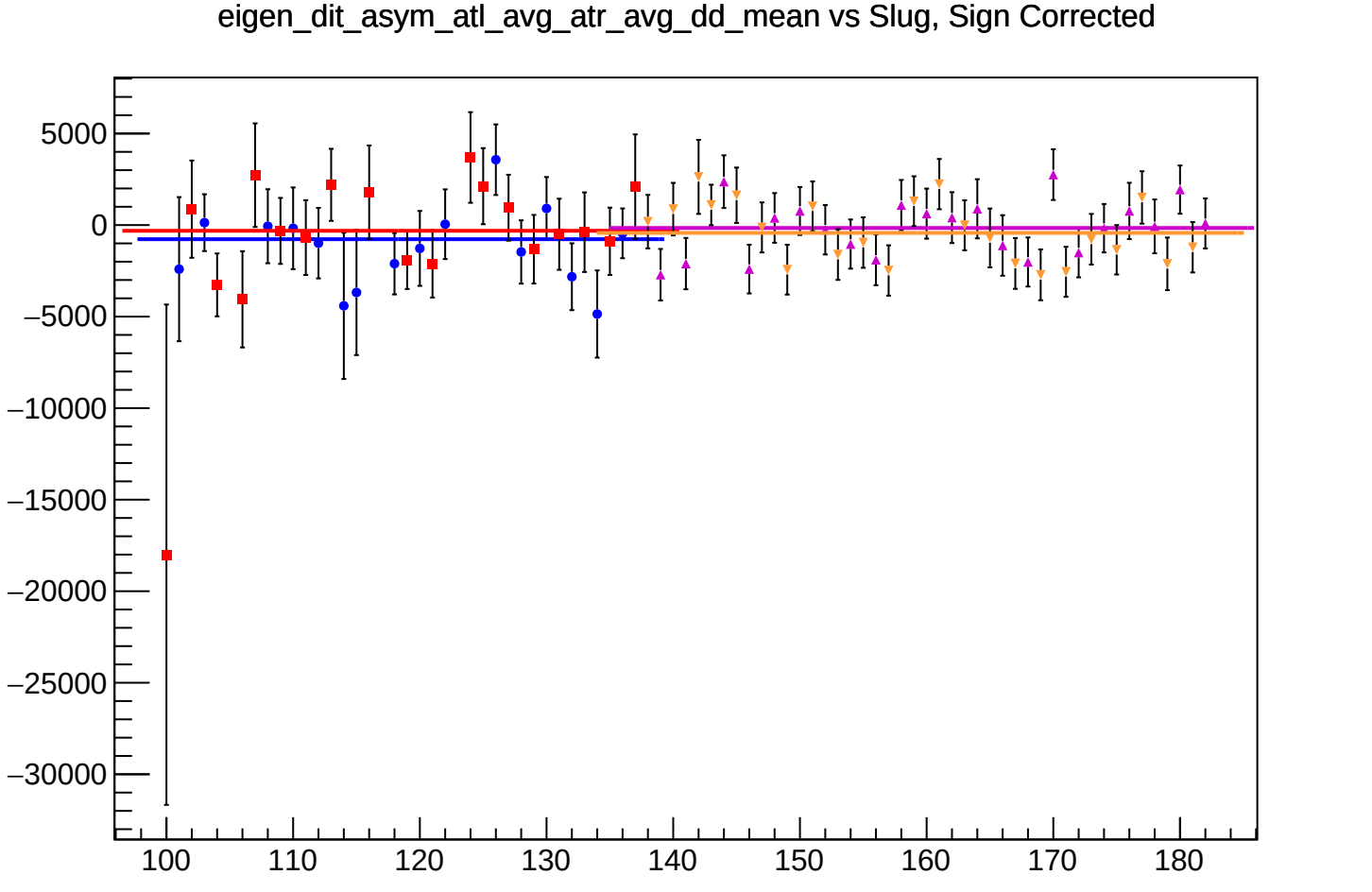
Left: 263.789+/-0.034 χ^2/NDF: 10427574.9/44

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 290.930+/-0.045 χ^2/NDF:9000553.9/37

Out: 270.100+/-0.043 χ^2/NDF:11898344.3/41

All: 280.003+/-0.031 χ^2/NDF: 21009258.8/79



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -427.670+/-291.318 χ^2/NDF:29.7/22

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -157.854+/-296.987 χ^2/NDF:26.2/21

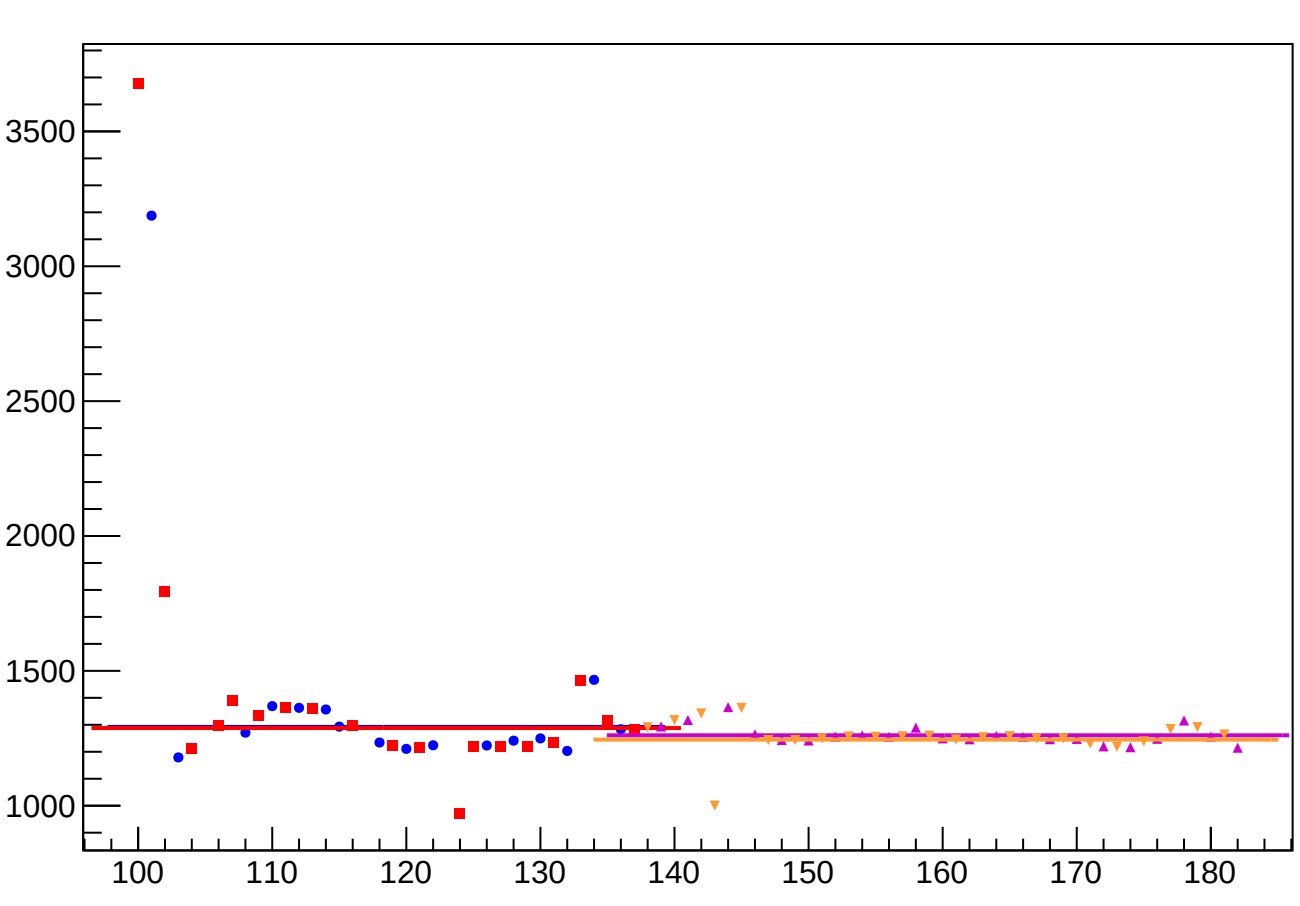
Left: -295.362+/-207.968 χ^2/NDF: 56.3/44

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -322.912+/-253.923 χ^2/NDF:40.9/37

Out: -396.627+/-249.407 χ^2/NDF:47.7/41

All: -360.431+/-177.933 χ^2/NDF: 88.6/79



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1245.065+/-0.206 χ^2/NDF:127404.1/22

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.079+/-0.210 χ^2/NDF:26691.7/21

Left: 1252.918+/-0.147 χ^2/NDF: 157059.3/44

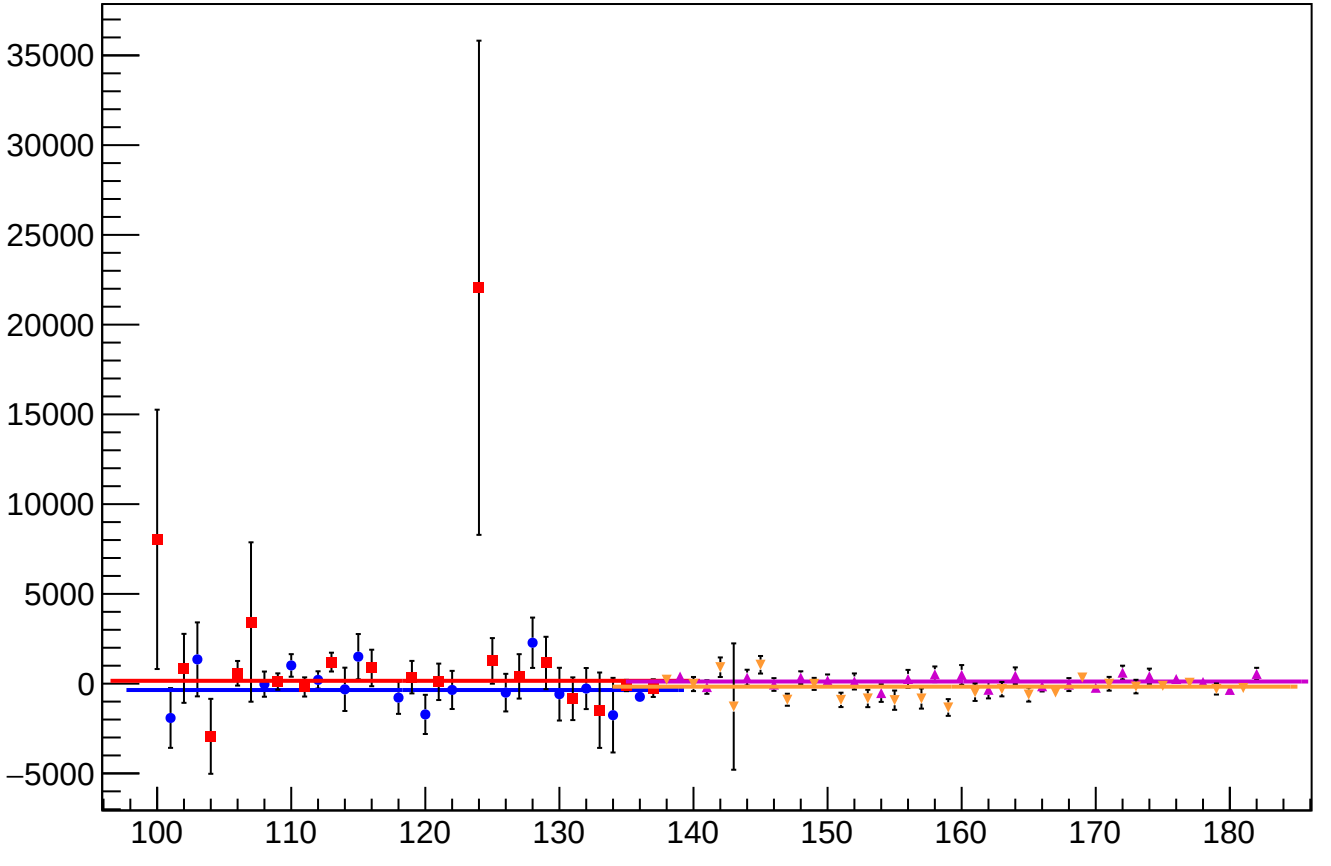
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1269.406+/-0.180 χ^2/NDF:541943.8/37

Out: 1256.527+/-0.176 χ^2/NDF:348207.5/41

All: 1262.851+/-0.126 χ^2/NDF: 892770.0/79

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: -168.769+/-65.544 χ^2/NDF:41.8/22

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 118.509+/-69.370 χ^2/NDF:17.9/21

Left: -33.271+/-47.642 χ^2/NDF: 68.8/44

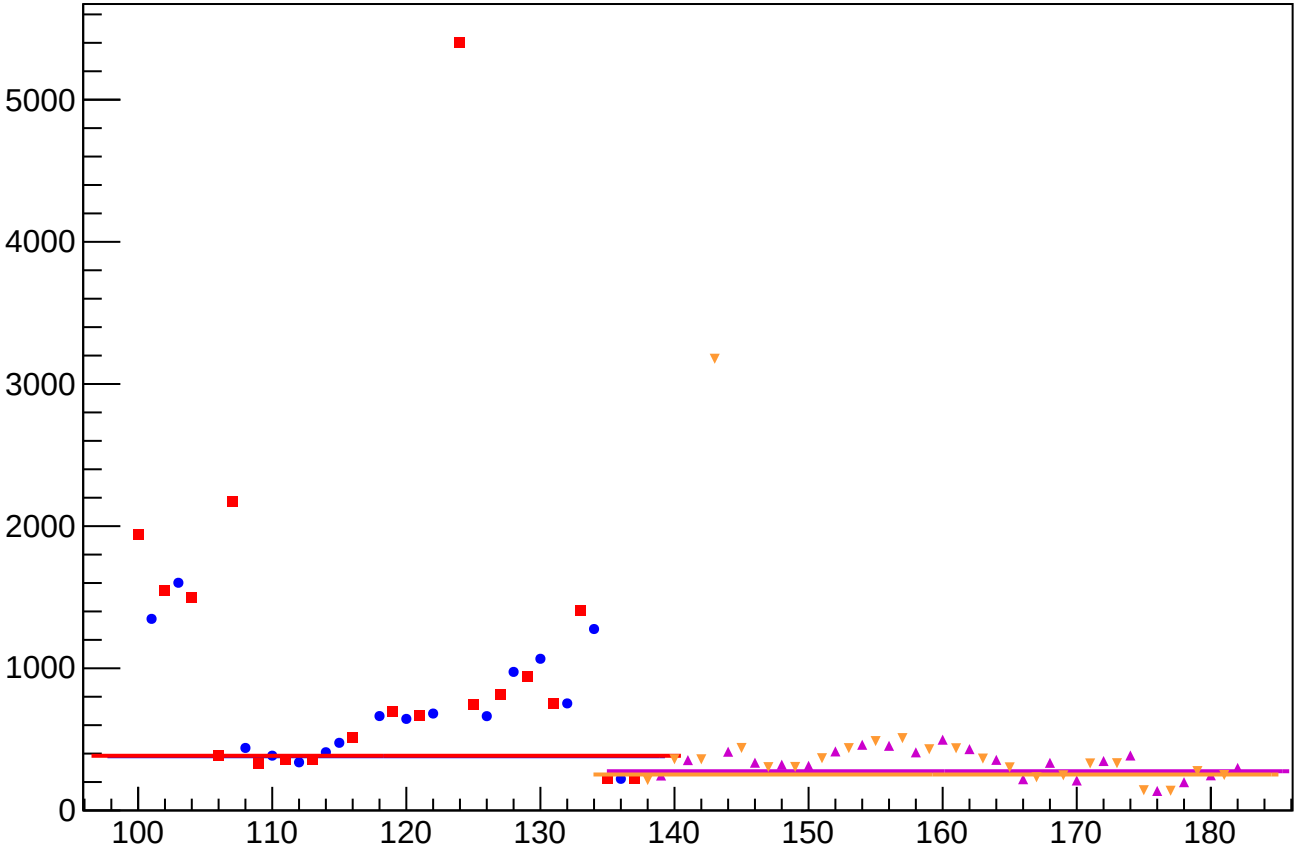
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 50.868+/-64.227 χ^2/NDF:43.0/37

Out: -126.345+/-61.140 χ^2/NDF:60.9/41

All: -42.099+/-44.284 χ^2/NDF: 107.8/79

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: 253.006+/-0.046 χ^2/NDF:6290306.7/22

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 275.870+/-0.049 χ^2/NDF:4022339.7/21

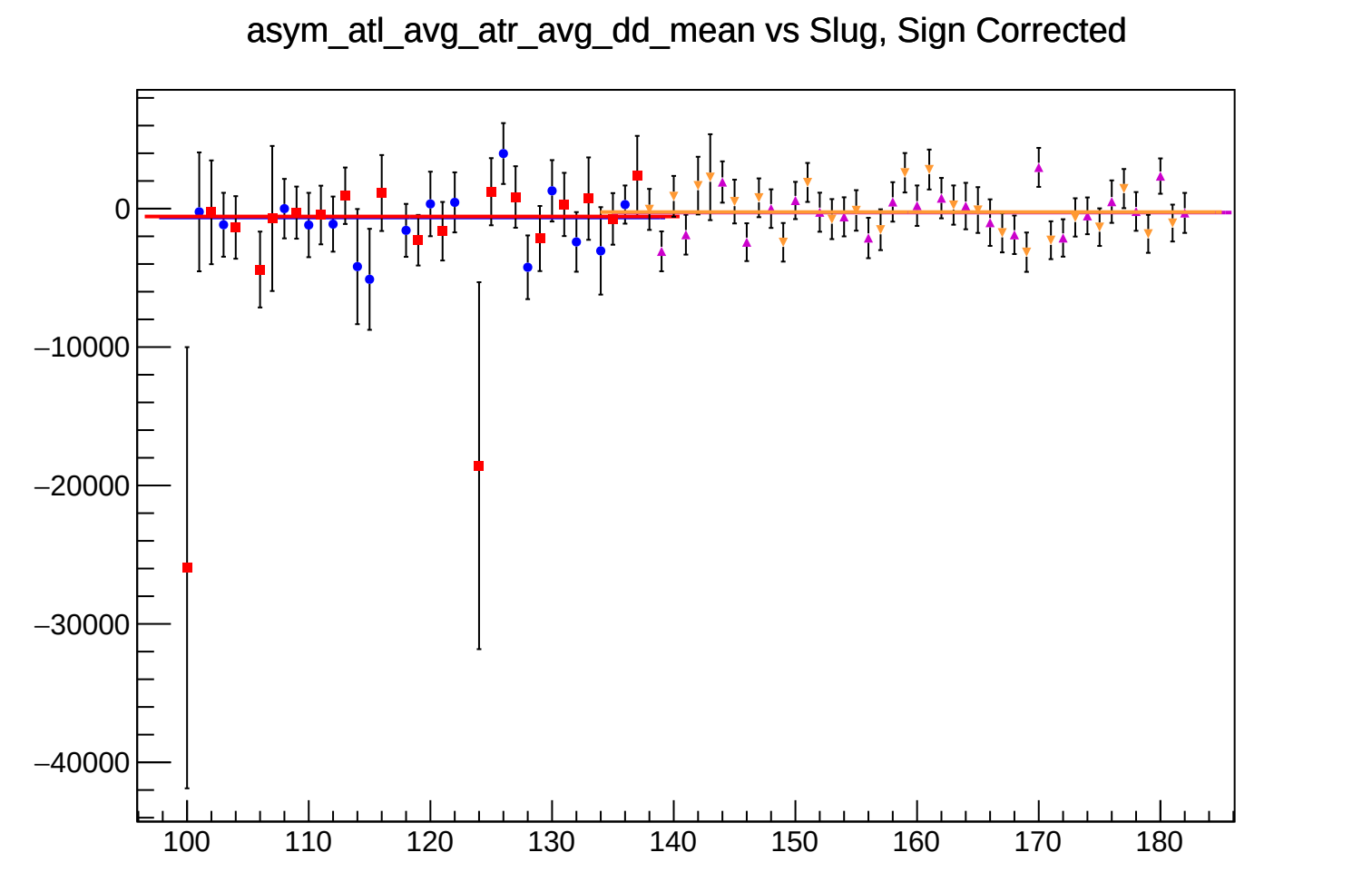
Left: 263.790+/-0.034 χ^2/NDF: 10427430.5/44

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 290.932+/-0.045 χ^2/NDF:9000429.4/37

Out: 270.102+/-0.043 χ^2/NDF:11898185.9/41

All: 280.004+/-0.031 χ^2/NDF: 21008970.3/79



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -246.934+/-307.086 χ^2/NDF:28.5/22

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -281.747+/-304.427 χ^2/NDF:26.0/21

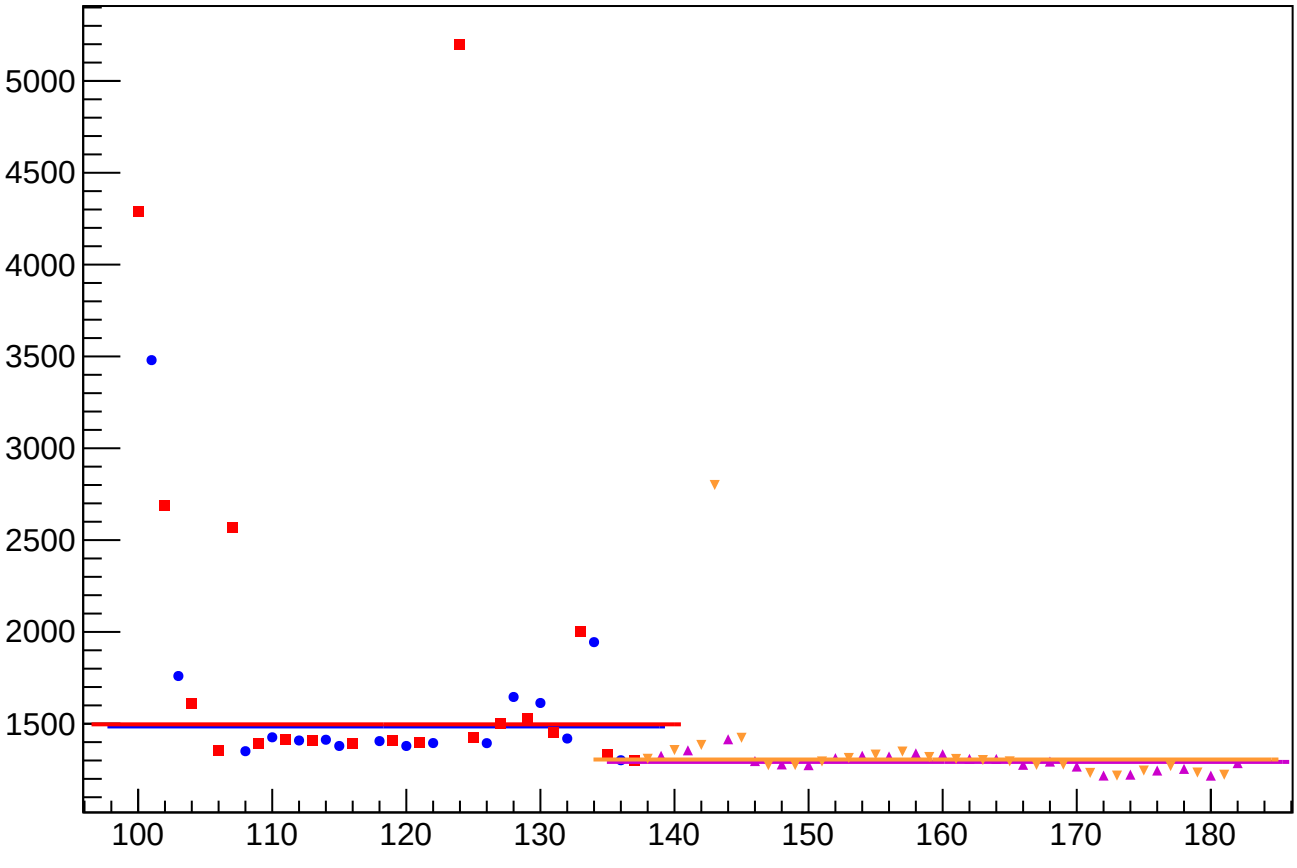
Left: -264.492+/-216.196 χ^2/NDF: 54.5/44

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -362.678+/-267.933 χ^2/NDF:38.8/37

Out: -319.628+/-270.002 χ^2/NDF:40.1/41

All: -341.319+/-190.184 χ^2/NDF: 78.9/79



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1305.369+/-0.217 χ^2/NDF:519026.6/22

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.298+/-0.215 χ^2/NDF:48302.9/21

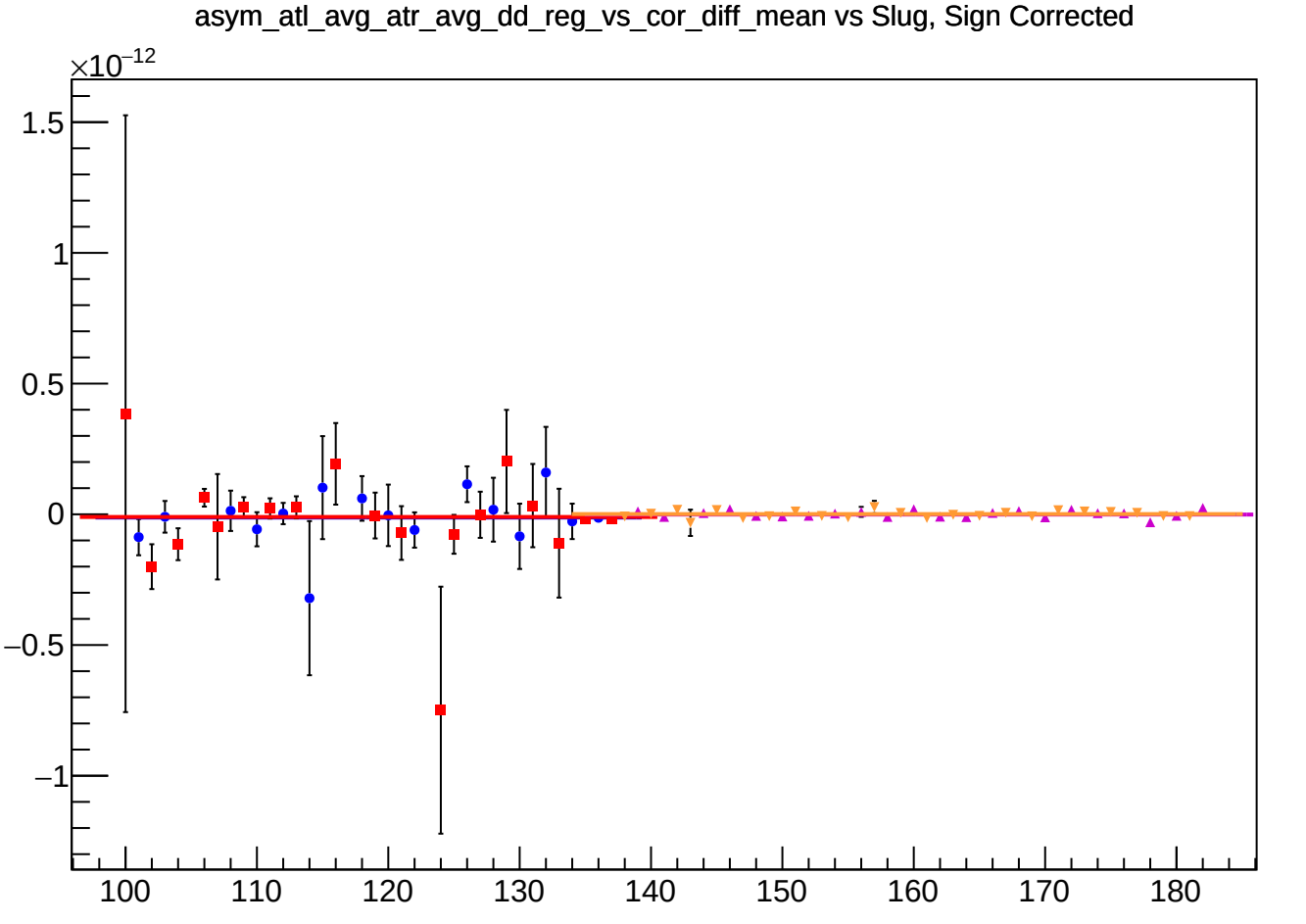
Left: 1298.777+/-0.153 χ^2/NDF: 569156.8/44

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1335.814+/-0.189 χ^2/NDF:814087.1/37

Out: 1348.827+/-0.191 χ^2/NDF:1318821.1/41

All: 1342.271+/-0.134 χ^2/NDF: 2135248.8/79



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/22

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:29.5/21

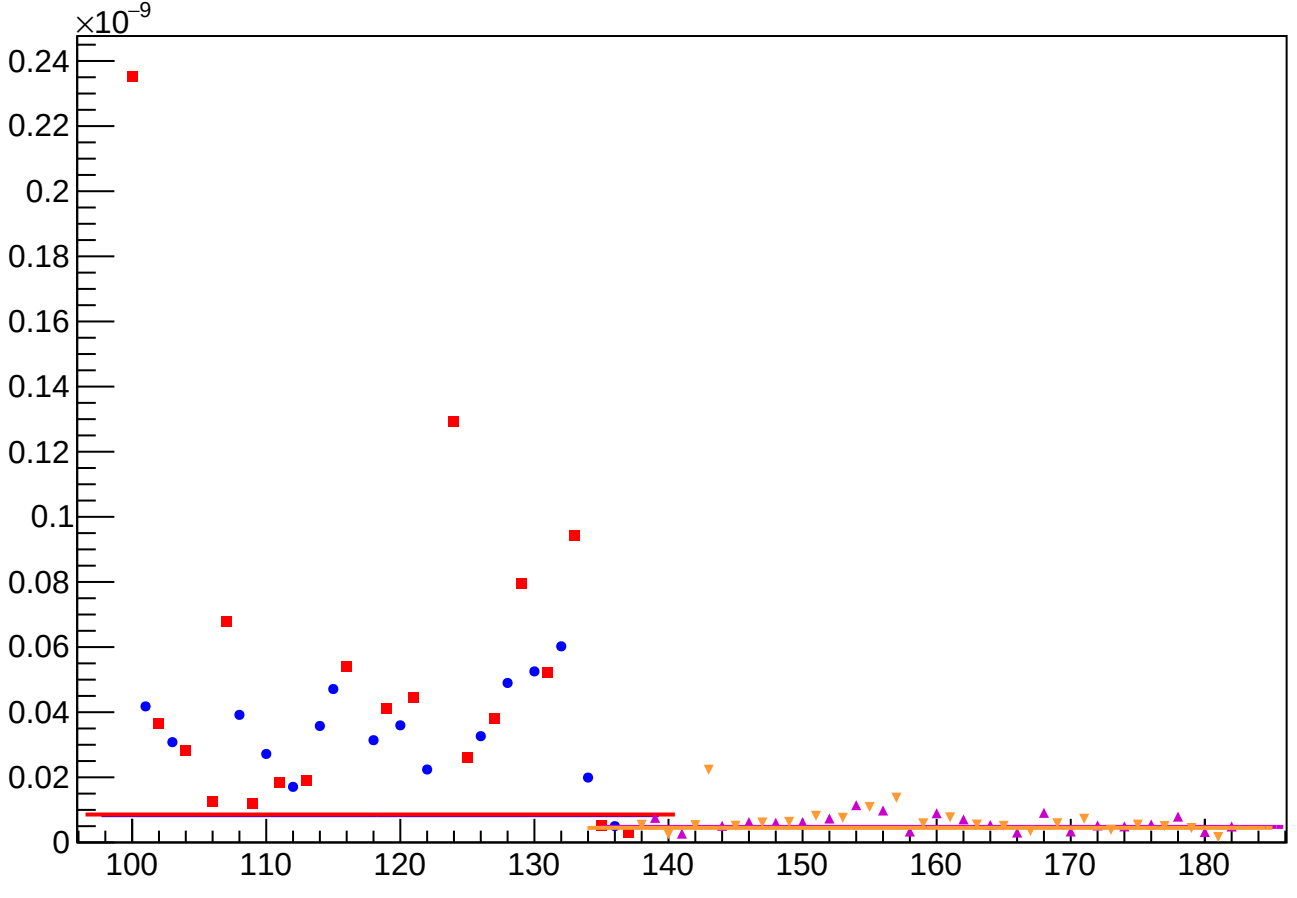
Left: 0.000+/-0.000 χ^2/NDF: 52.9/44

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:41.1/37

Out: 0.000+/-0.000 χ^2/NDF:47.1/41

All: -0.000+/-0.000 χ^2/NDF: 88.8/79



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2696144.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1884771.1/21

Left: 0.000+/-0.000 χ^2/NDF: 4604332.7/44

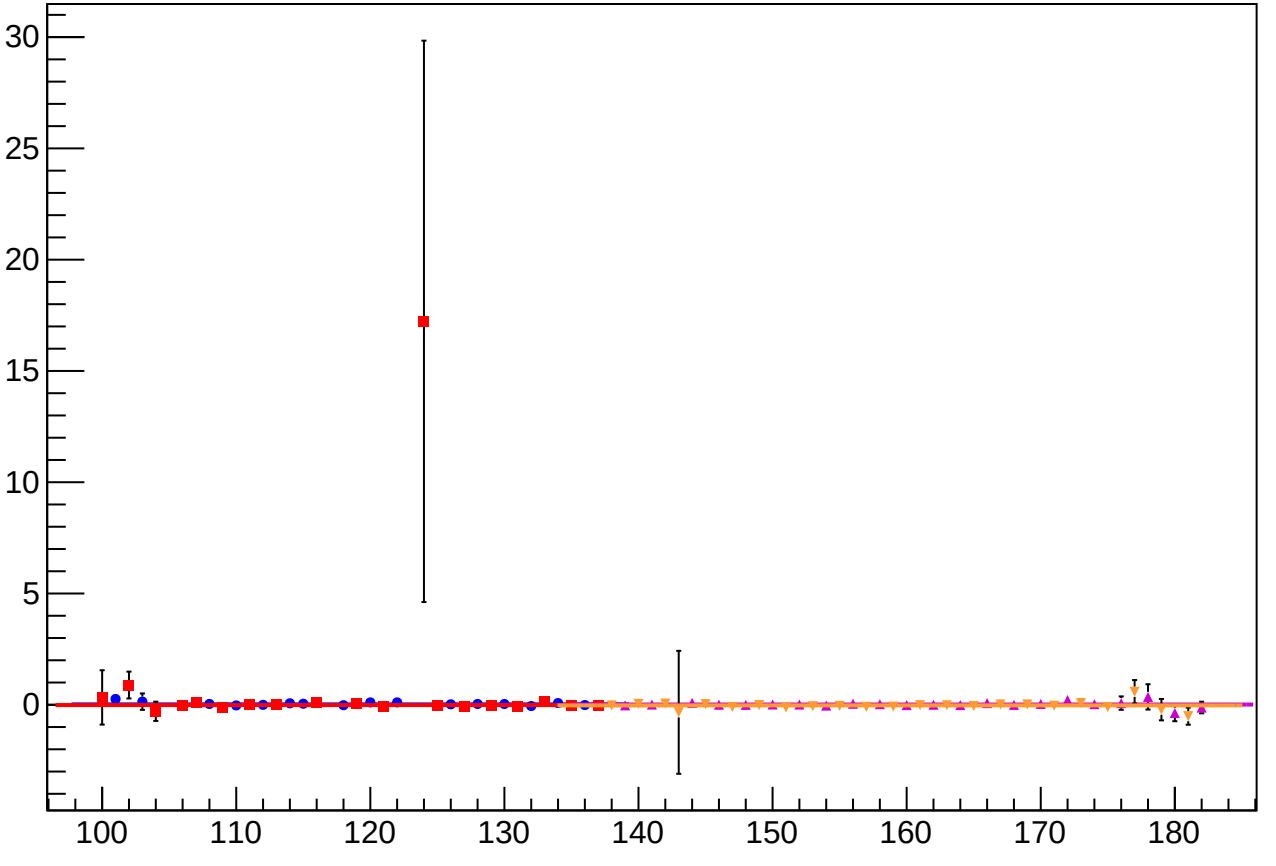
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5381835.3/37

Out: 0.000+/-0.000 χ^2/NDF:6539805.7/41

All: 0.000+/-0.000 χ^2/NDF: 11952188.1/79

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/22

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.4/21

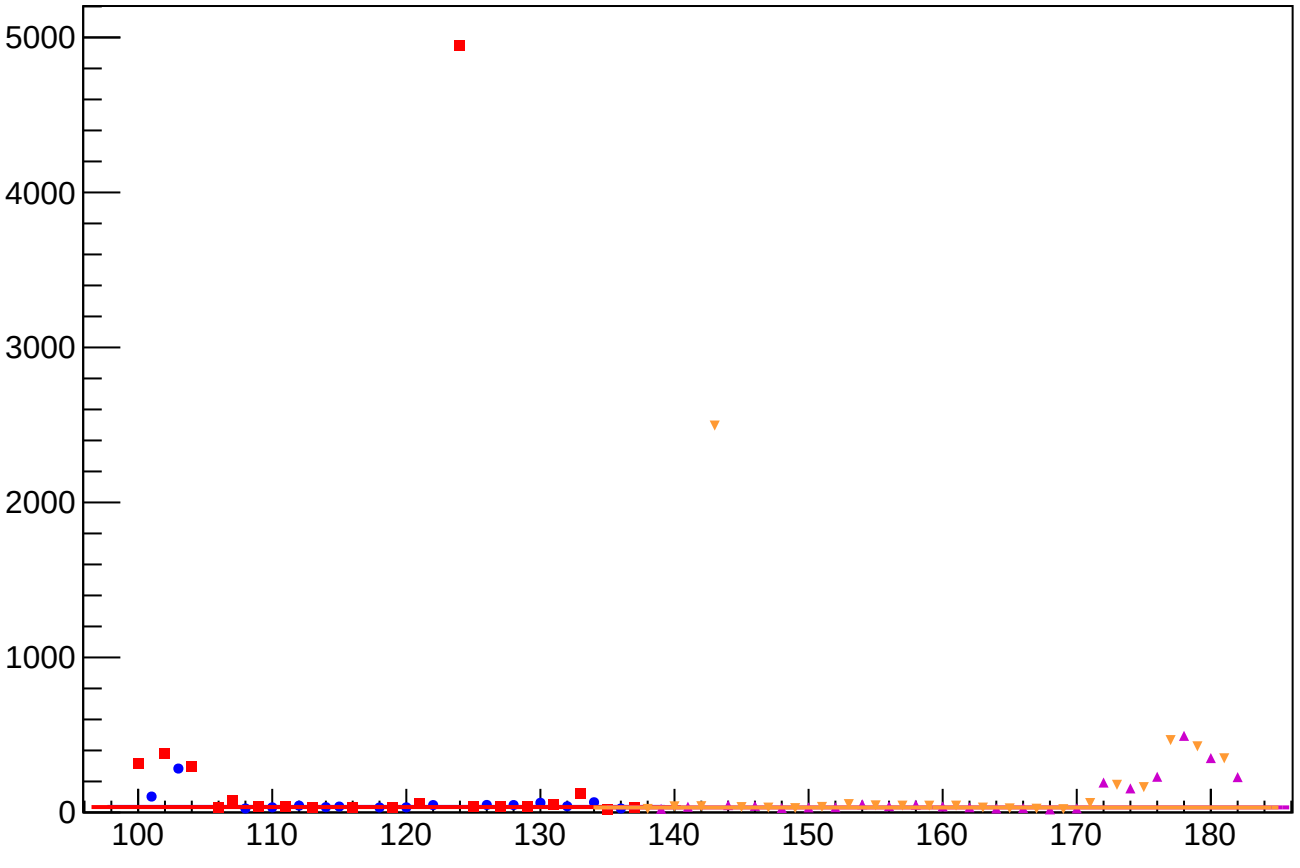
Left: -0.008+/-0.007 χ^2/NDF: 47.6/44

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/41

All: -0.006+/-0.006 χ^2/NDF: 77.6/79



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.169+/-0.007 χ^2/NDF:9393169.5/22

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.628+/-0.007 χ^2/NDF:8549557.8/21

Left: 32.399+/-0.005 χ^2/NDF: 17945055.9/44

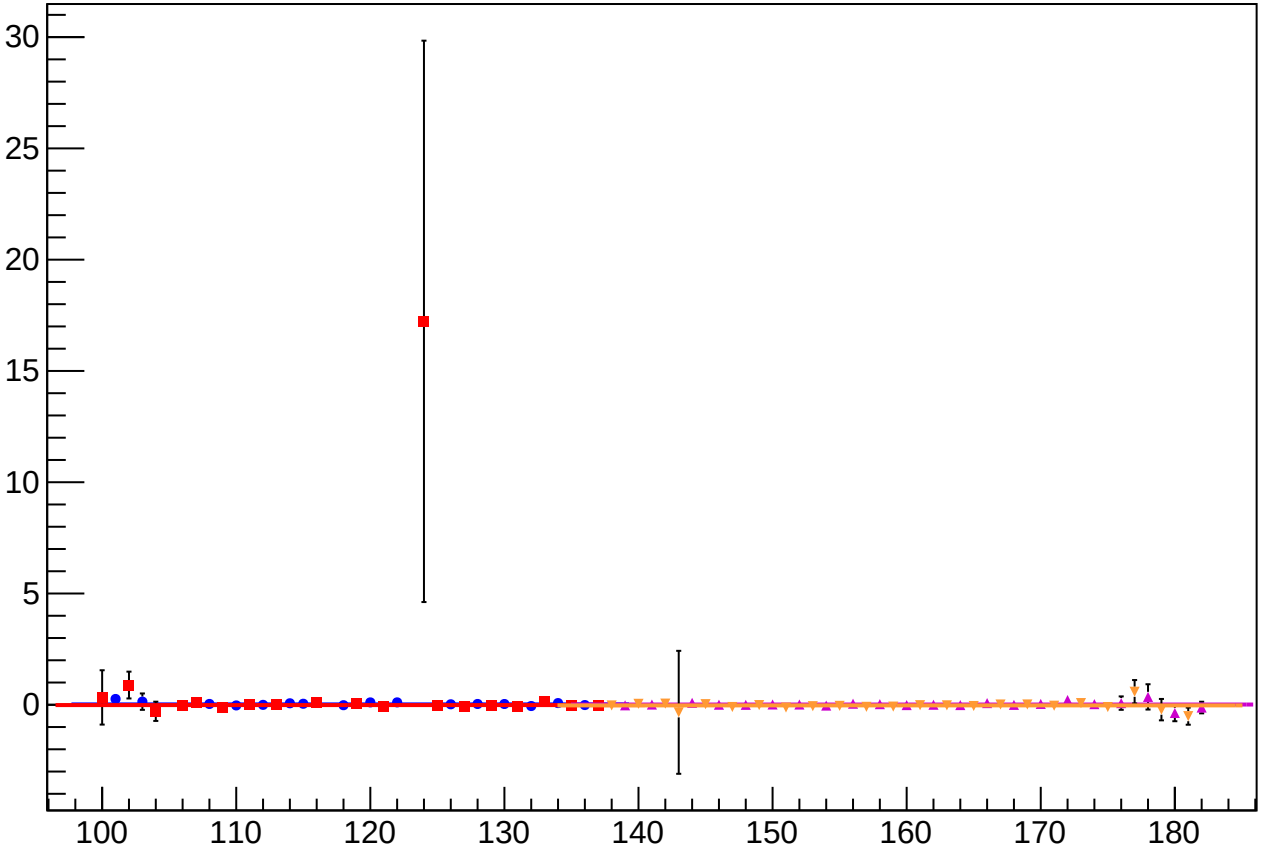
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.483+/-0.006 χ^2/NDF:10873313.9/37

Out: 32.881+/-0.006 χ^2/NDF:12348572.1/41

All: 33.183+/-0.004 χ^2/NDF: 23227384.7/79

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: -0.028+/-0.010 χ^2/NDF:26.9/22

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.4/21

Left: -0.008+/-0.007 χ^2/NDF: 47.6/44

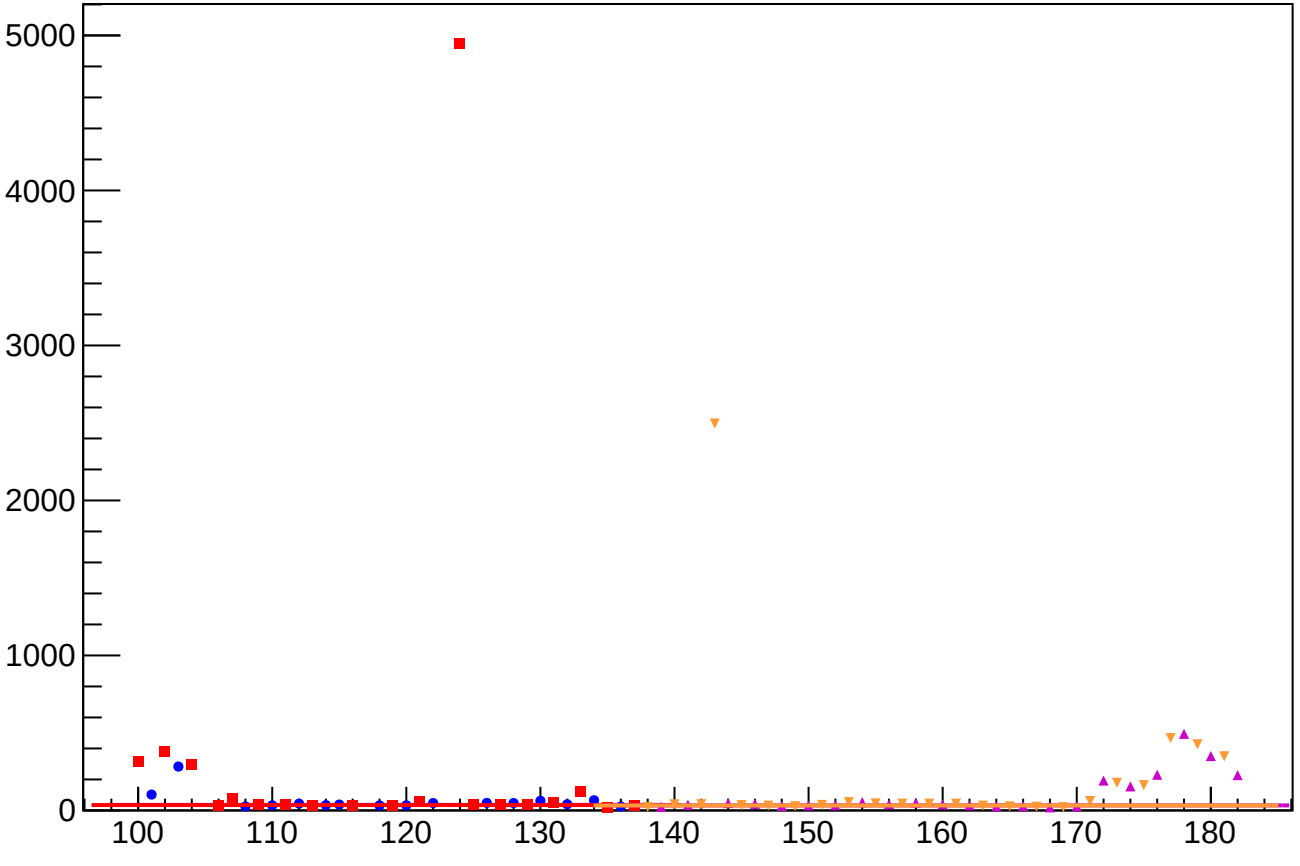
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/41

All: -0.006+/-0.006 χ^2/NDF: 77.6/79

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: 32.169+/-0.007 χ^2/NDF:9393169.5/22

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.628+/-0.007 χ^2/NDF:8549557.8/21

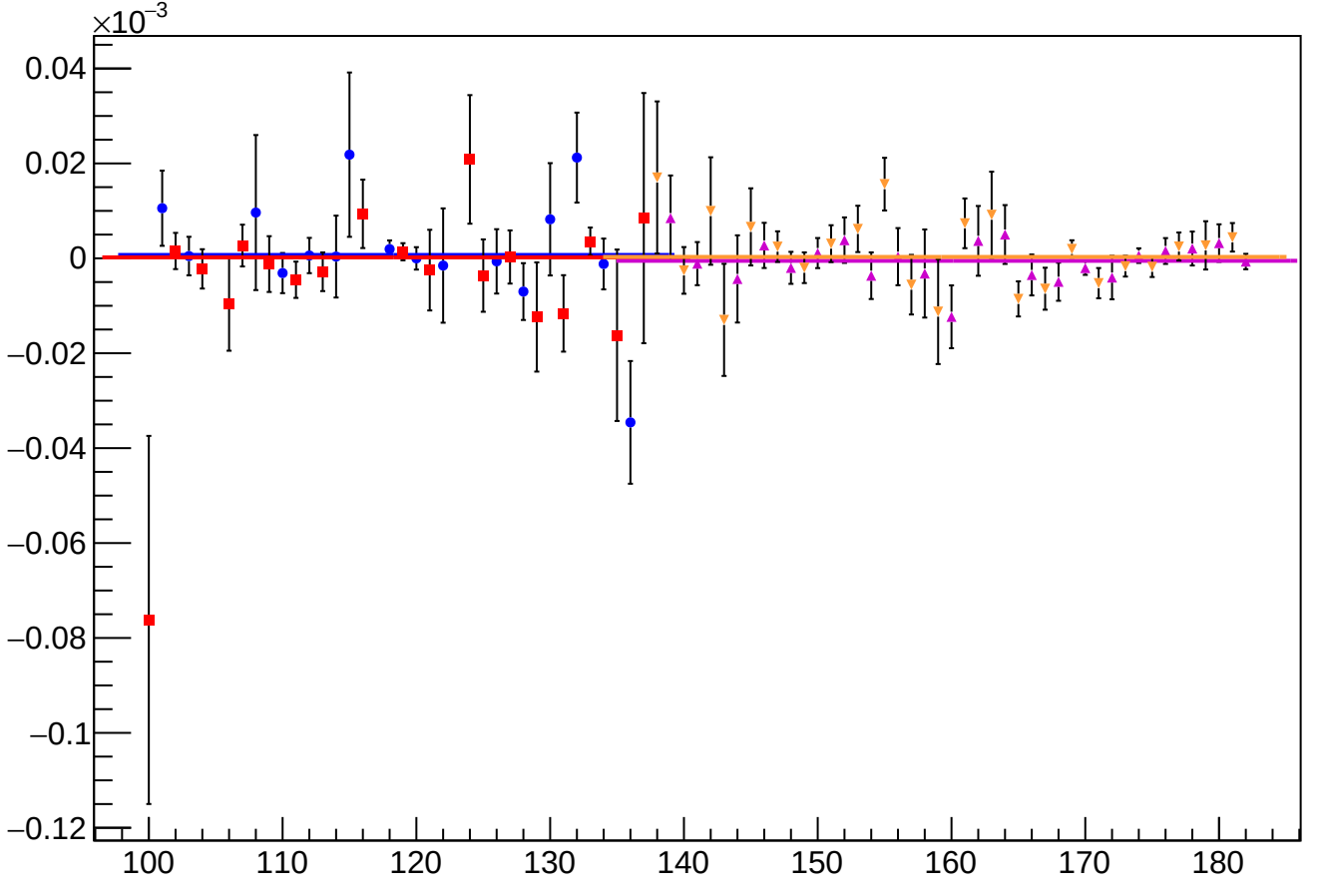
Left: 32.399+/-0.005 χ^2/NDF: 17945055.9/44

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.483+/-0.006 χ^2/NDF:10873313.9/37

Out: 32.881+/-0.006 χ^2/NDF:12348572.1/41

All: 33.183+/-0.004 χ^2/NDF: 23227384.7/79



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/21

Left: -0.000+/-0.000 χ^2/NDF: 49.9/44

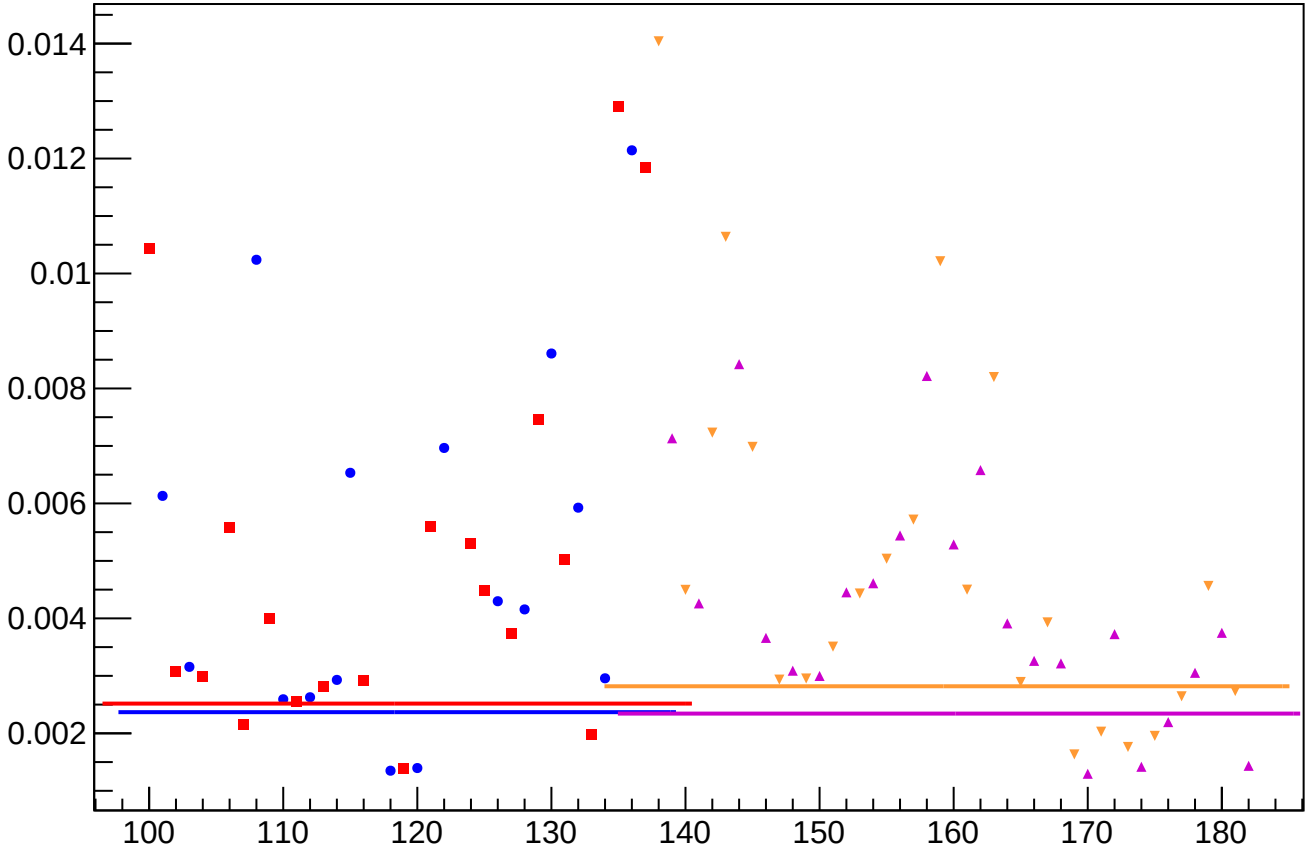
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:33.6/37

Out: 0.000+/-0.000 χ^2/NDF:53.7/41

All: 0.000+/-0.000 χ^2/NDF: 87.6/79

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7874548.3/22

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.002+/-0.000 χ^2/NDF:8565713.7/21

Left: 0.003+/-0.000 χ^2/NDF: 16874402.2/44

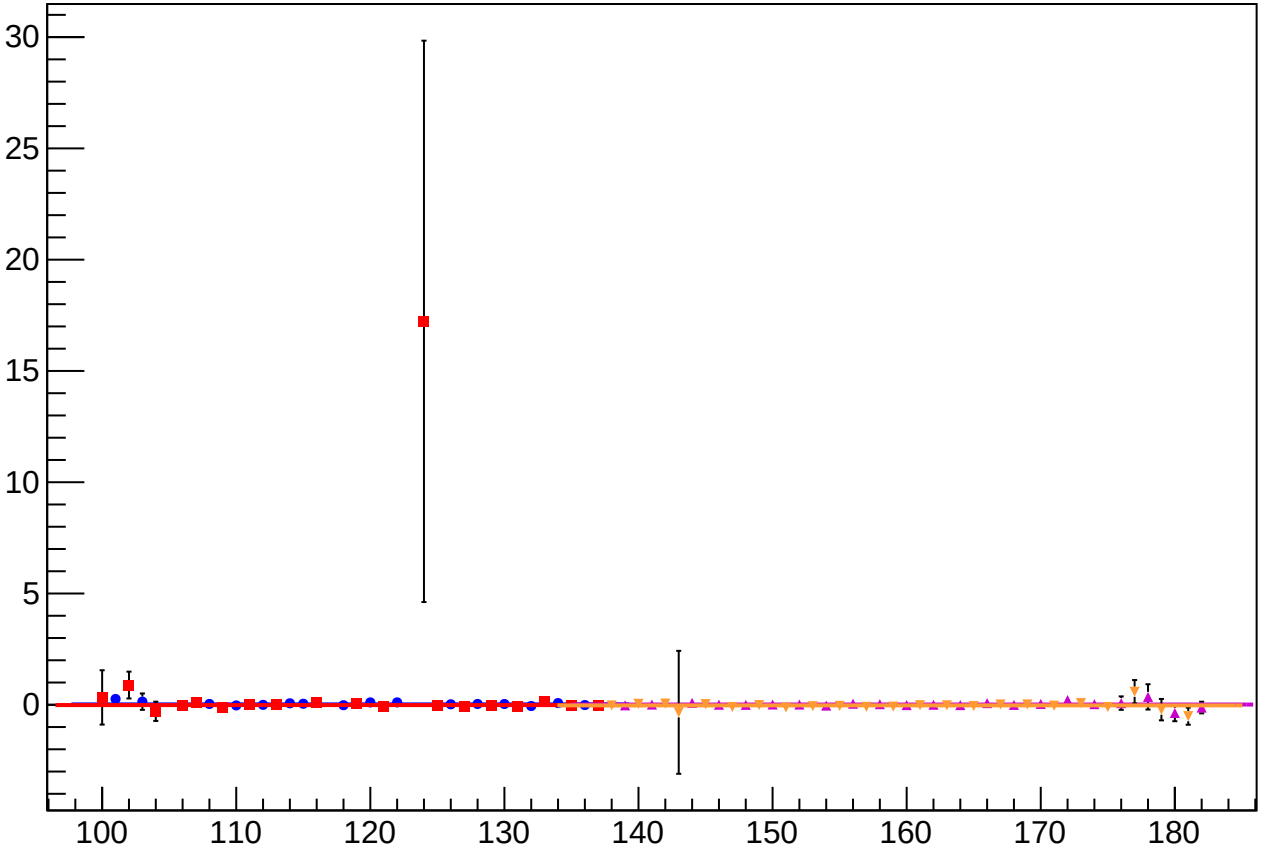
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:13288048.9/37

Out: 0.003+/-0.000 χ^2/NDF:11377566.1/41

All: 0.003+/-0.000 χ^2/NDF: 25037997.4/79

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: -0.028+/-0.010 χ^2/NDF:26.9/22

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.4/21

Left: -0.008+/-0.007 χ^2/NDF: 47.6/44

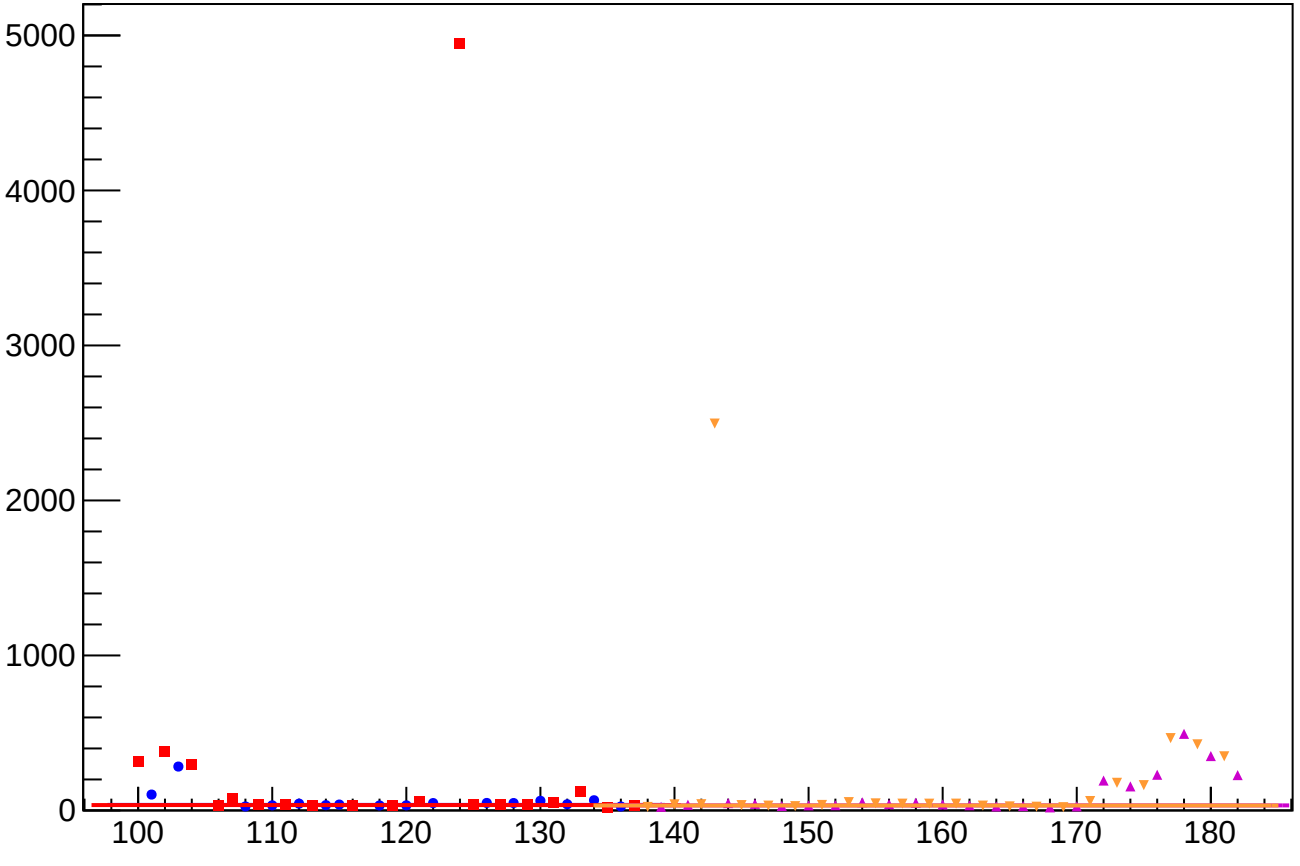
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/41

All: -0.006+/-0.006 χ^2/NDF: 77.6/79

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: 32.168+/-0.007 χ^2/NDF:9393423.6/22

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.626+/-0.007 χ^2/NDF:8550184.6/21

Left: 32.398+/-0.005 χ^2/NDF: 17945925.7/44

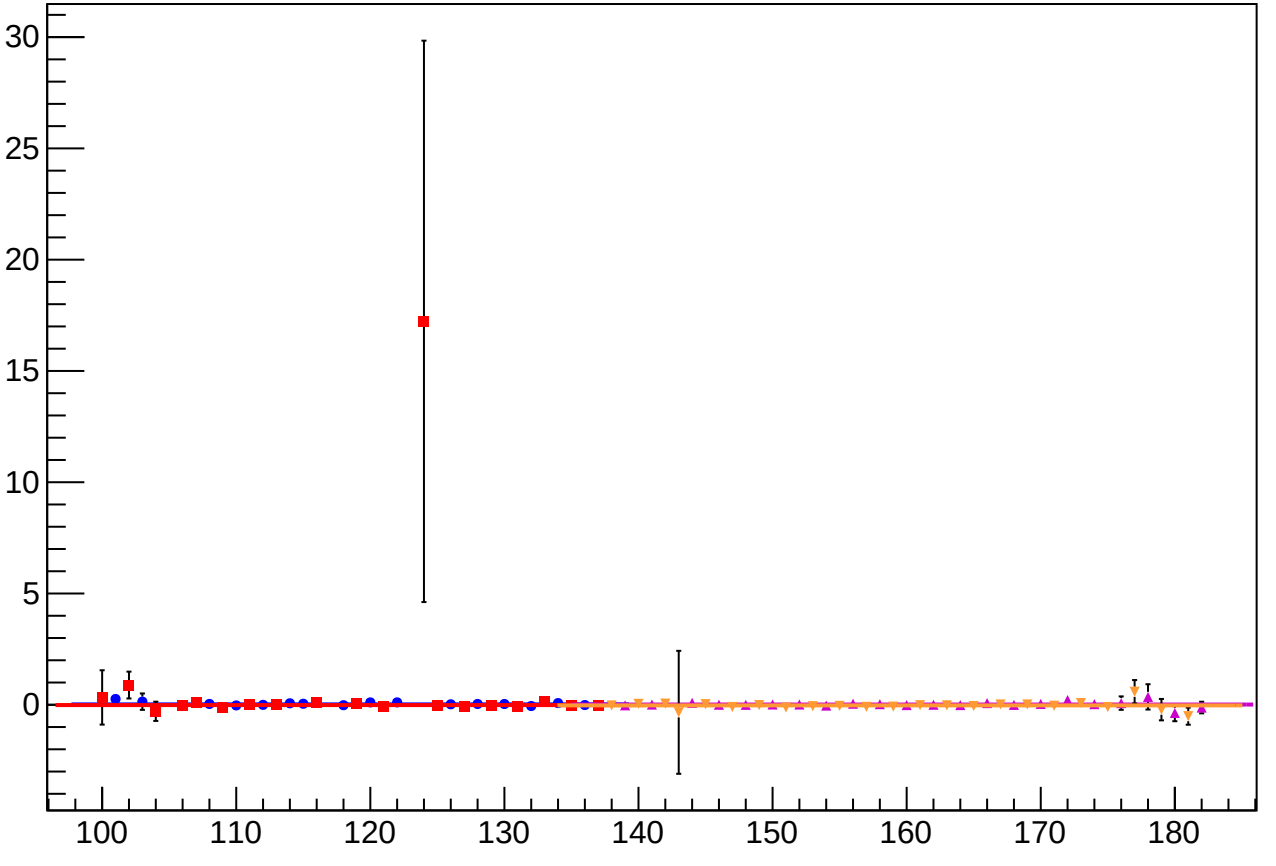
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.482+/-0.006 χ^2/NDF:10873769.6/37

Out: 32.881+/-0.006 χ^2/NDF:12348686.4/41

All: 33.183+/-0.004 χ^2/NDF: 23227942.4/79

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: -0.028+/-0.010 χ^2/NDF:26.9/22

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.4/21

Left: -0.008+/-0.007 χ^2/NDF: 47.6/44

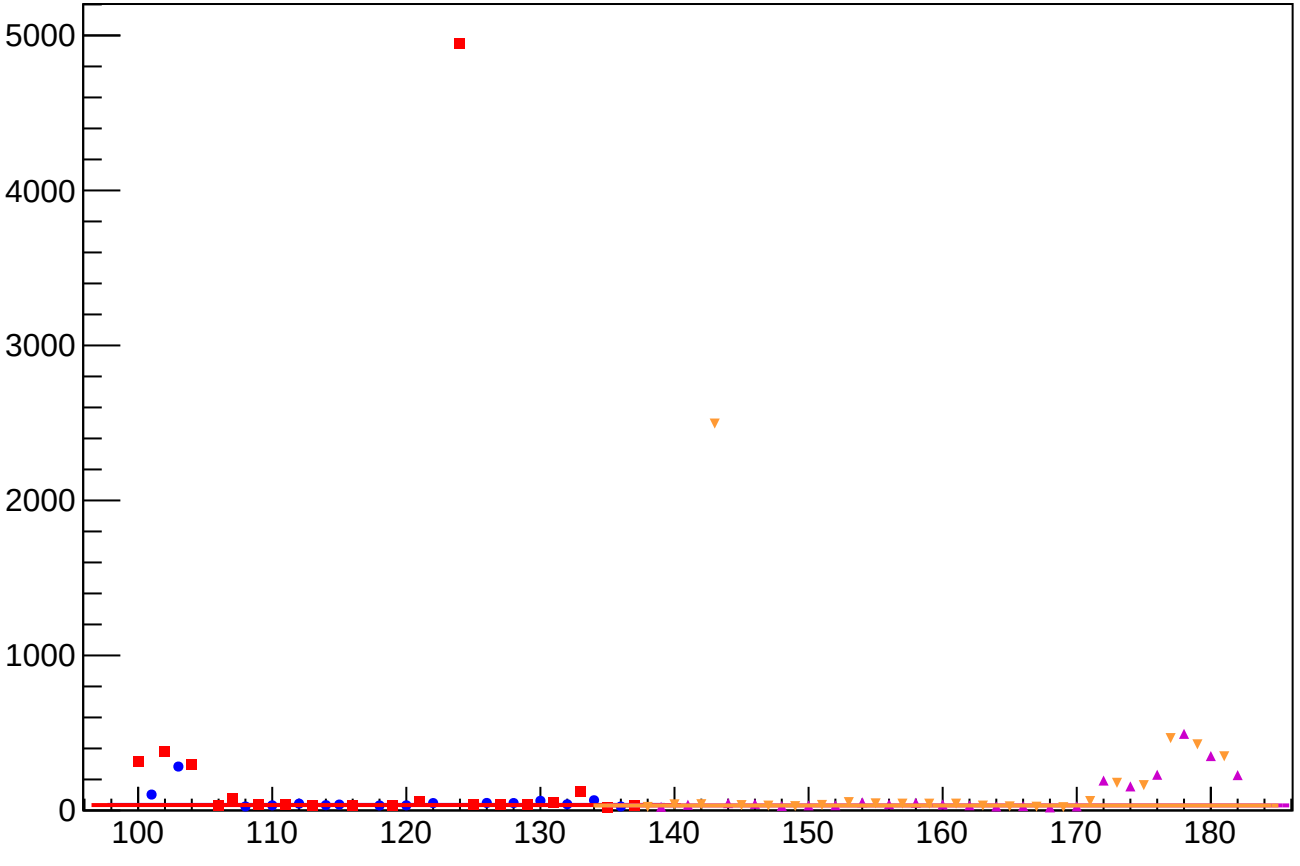
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/41

All: -0.006+/-0.006 χ^2/NDF: 77.6/79

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: 32.168+/-0.007 χ^2/NDF:9393423.6/22

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.626+/-0.007 χ^2/NDF:8550184.6/21

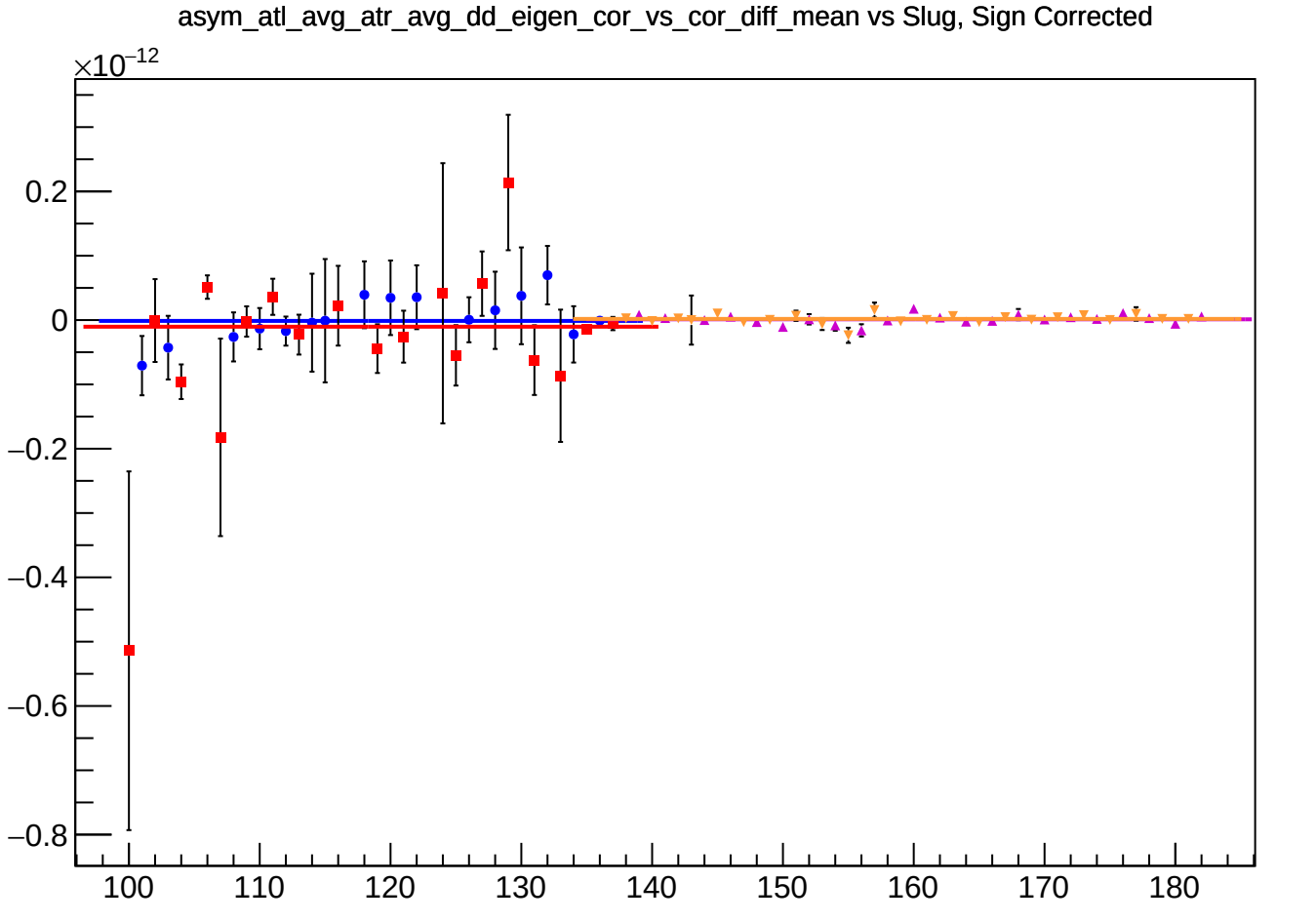
Left: 32.398+/-0.005 χ^2/NDF: 17945925.7/44

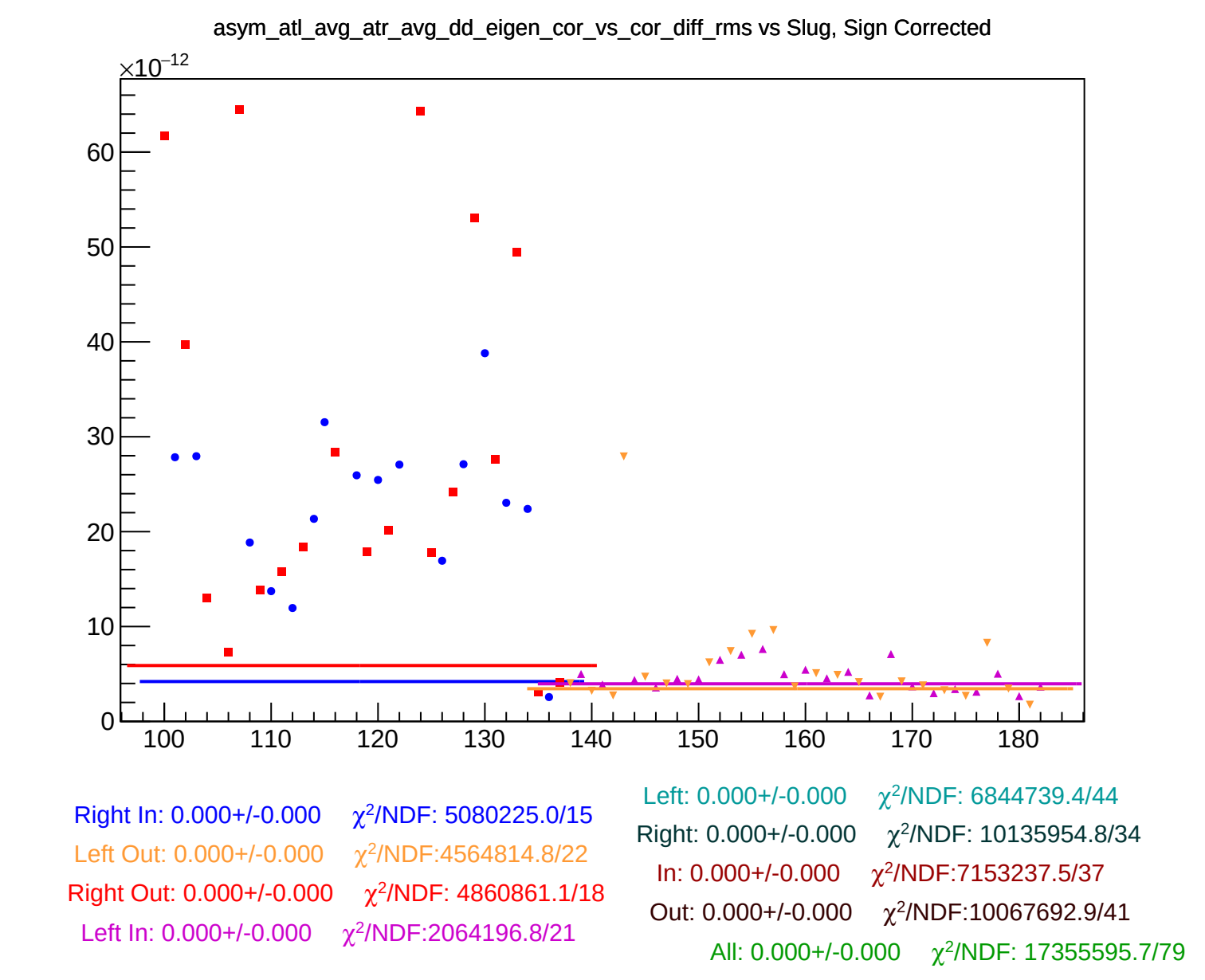
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

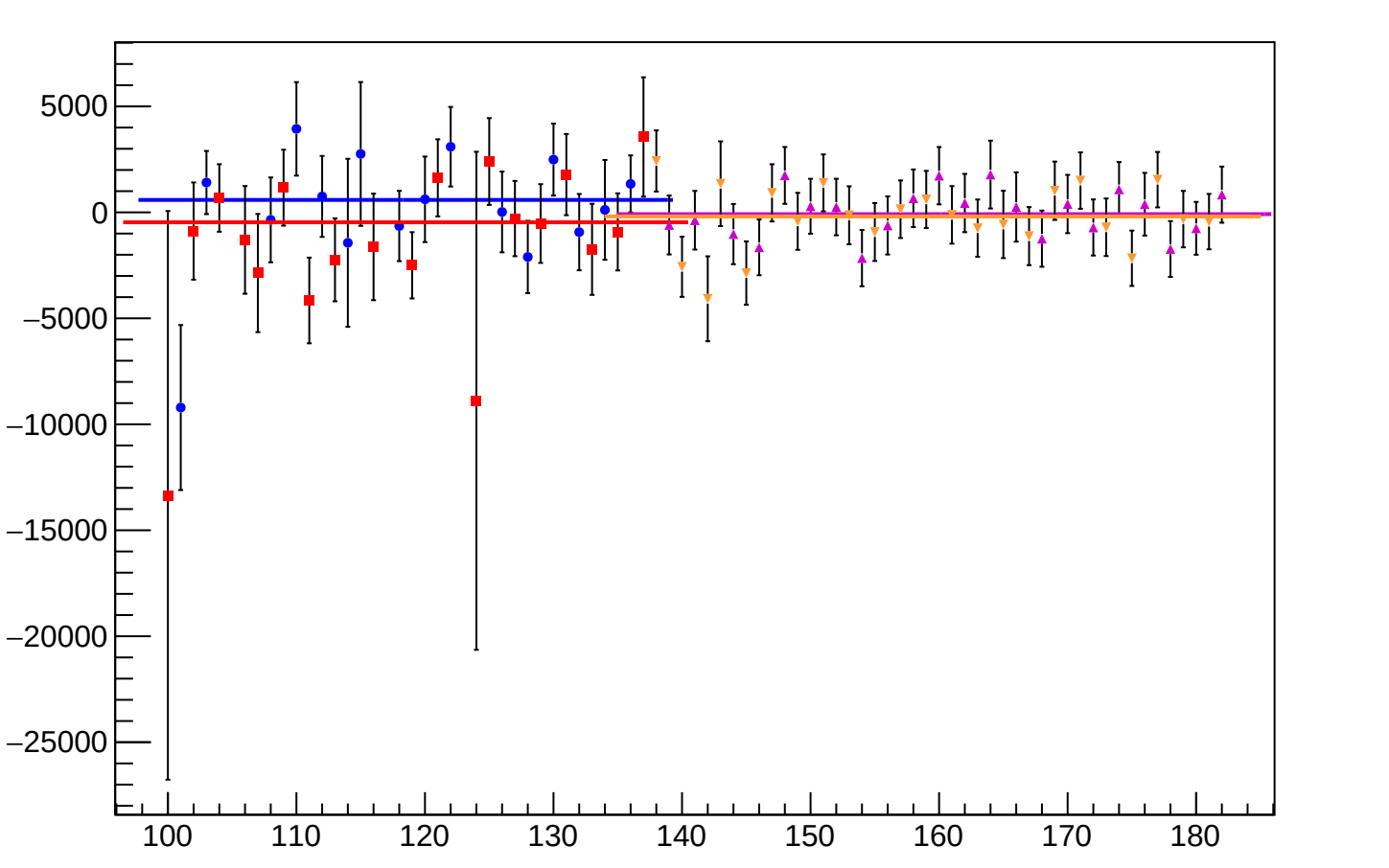
In: 33.482+/-0.006 χ^2/NDF:10873769.6/37

Out: 32.881+/-0.006 χ^2/NDF:12348686.4/41

All: 33.183+/-0.004 χ^2/NDF: 23227942.4/79


asym_atl_avg_atr_avg_dd_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
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:15.5/22
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:28.5/21
Left: 0.000+/-0.000 χ²/NDF: 44.1/44
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:37.6/37
Out: 0.000+/-0.000 χ²/NDF:63.2/41
All: 0.000+/-0.000 χ²/NDF: 100.9/79


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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:4564814.8/22
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:2064196.8/21
Left: 0.000+/-0.000 χ²/NDF: 6844739.4/44
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:7153237.5/37
Out: 0.000+/-0.000 χ²/NDF:10067692.9/41
All: 0.000+/-0.000 χ²/NDF: 17355595.7/79



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -194.419+/-292.158 χ^2/NDF:23.8/22

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -84.065+/-290.828 χ^2/NDF:14.6/21

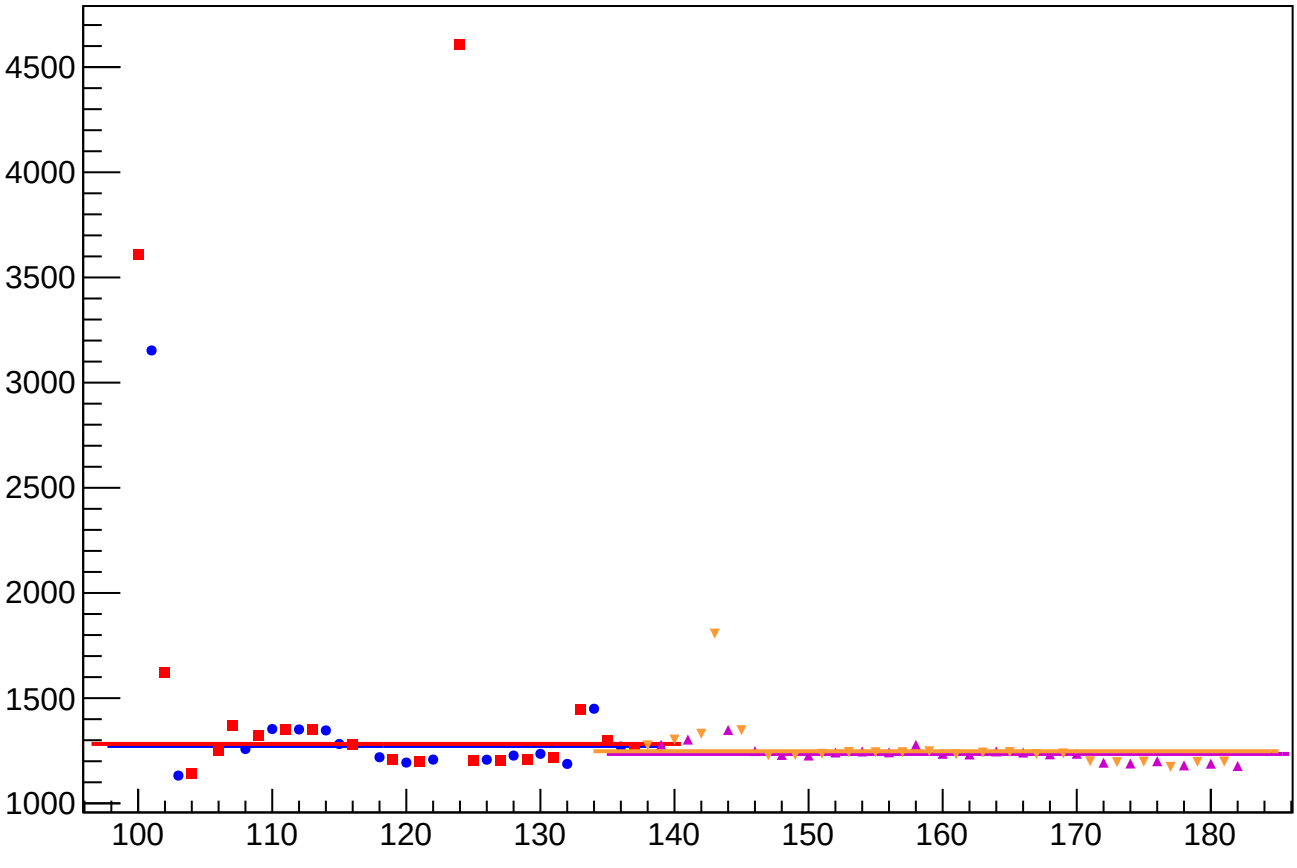
Left: -138.991+/-206.115 χ^2/NDF: 38.5/44

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 94.787+/-249.071 χ^2/NDF:33.1/37

Out: -268.532+/-249.637 χ^2/NDF:40.8/41

All: -86.460+/-176.320 χ^2/NDF: 75.0/79



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1247.563+/-0.207 χ^2/NDF:194718.0/22

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

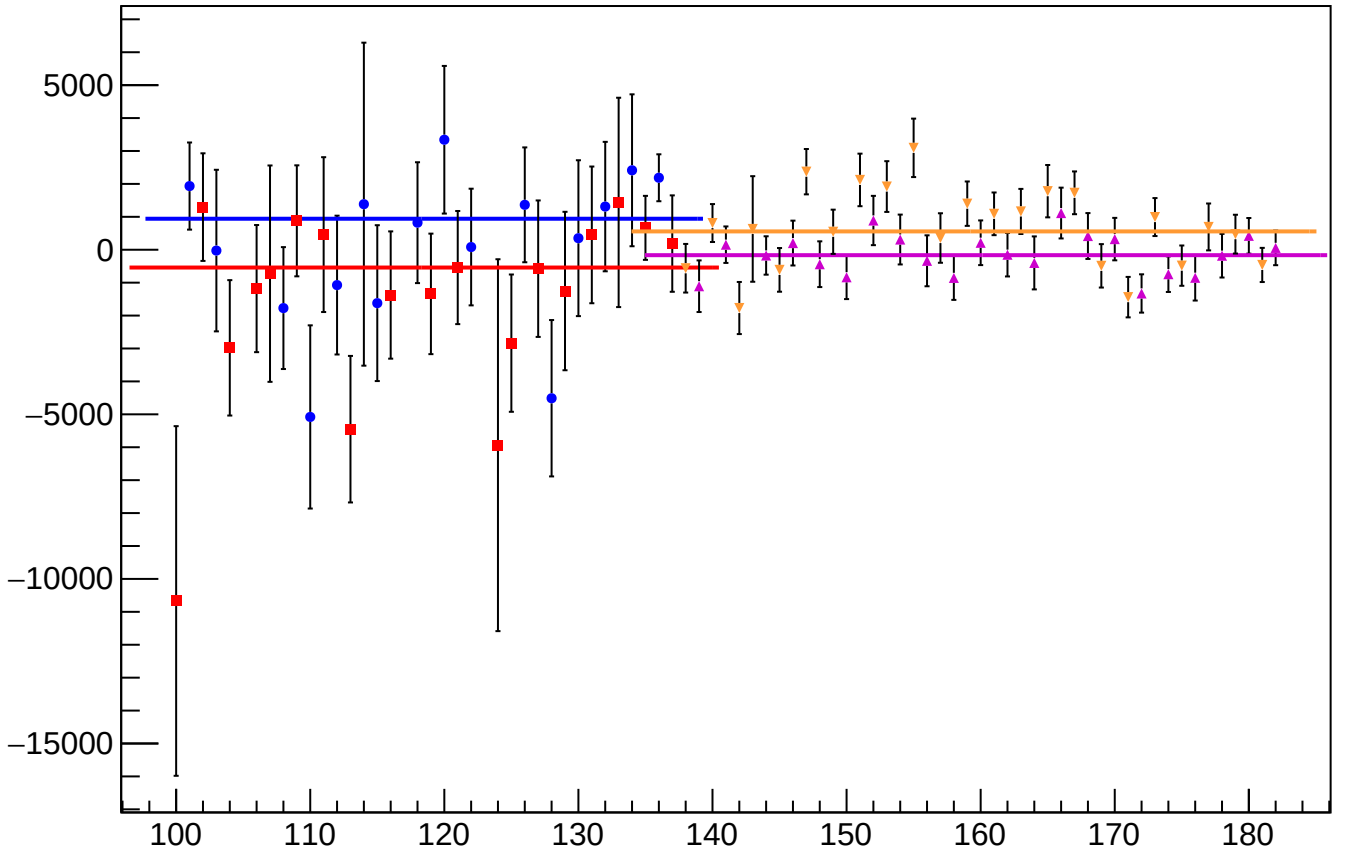
Left: 1241.153+/-0.146 χ^2/NDF: 234462.2/44

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1244.931+/-0.176 χ^2/NDF:566228.1/37

Out: 1256.956+/-0.177 χ^2/NDF:524456.1/41

All: 1250.930+/-0.125 χ^2/NDF: 1093010.2/79



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 556.906+/-142.043 χ^2/NDF:65.5/22

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -165.133+/-139.105 χ^2/NDF:18.6/21

Left: 188.342+/-99.384 χ^2/NDF: 97.3/44

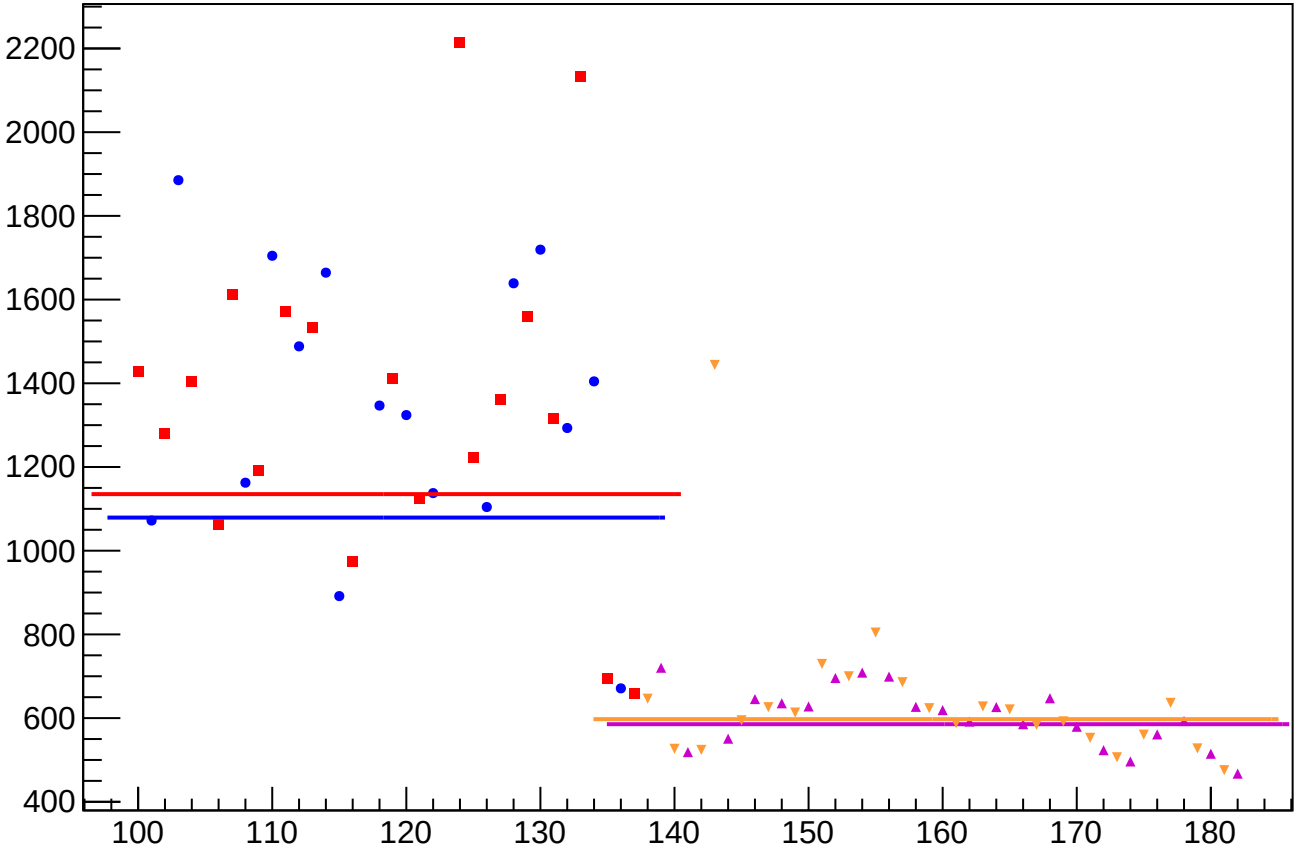
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -58.407+/-132.229 χ^2/NDF:44.6/37

Out: 453.281+/-135.171 χ^2/NDF:88.3/41

All: 191.807+/-94.523 χ^2/NDF: 140.2/79

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 597.476+/-0.100 χ^2/NDF:1066558.4/22

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 585.445+/-0.098 χ^2/NDF:517567.4/21

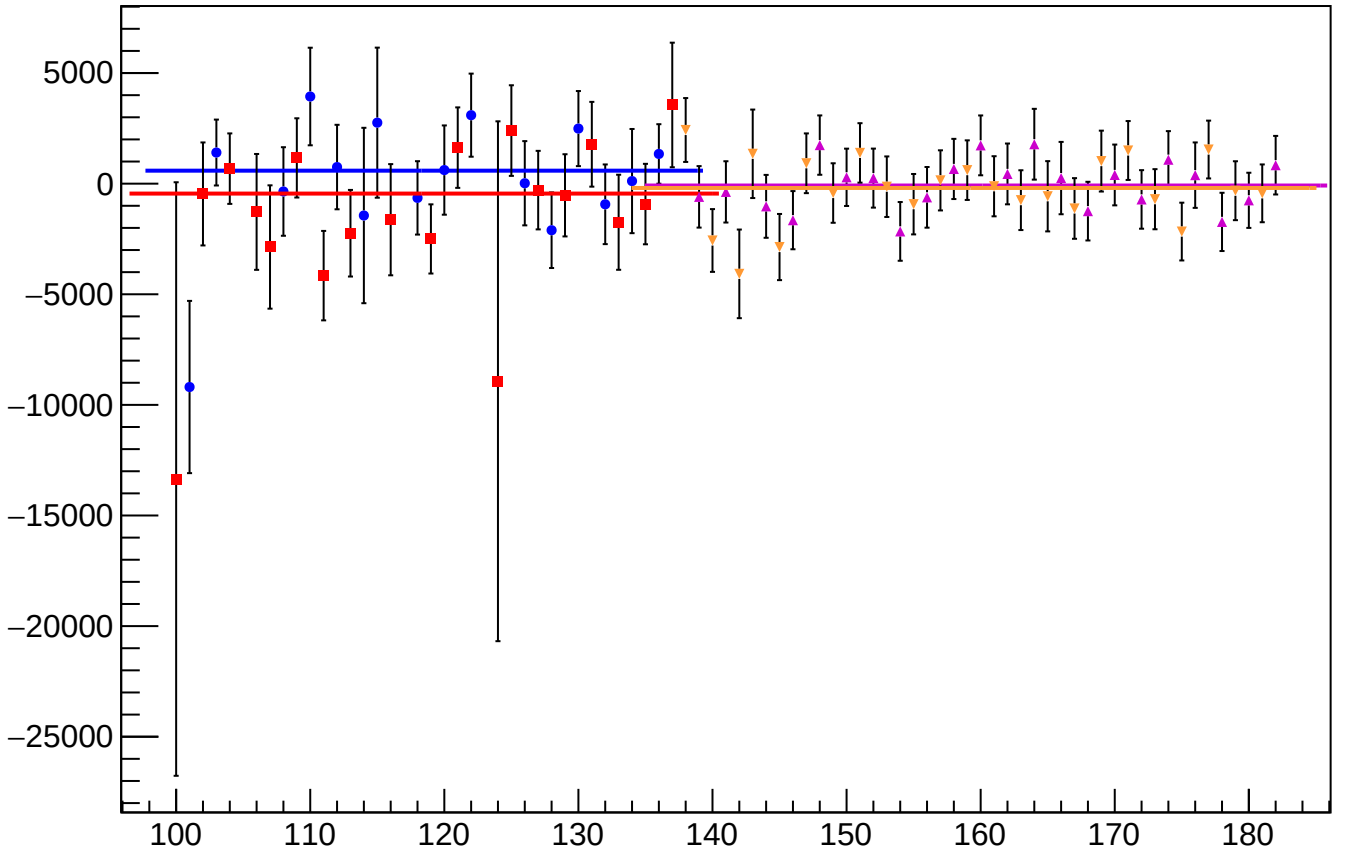
Left: 591.335+/-0.070 χ^2/NDF: 1591449.7/44

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 633.045+/-0.093 χ^2/NDF:4428603.7/37

Out: 648.242+/-0.096 χ^2/NDF:5065446.6/41

All: 640.476+/-0.067 χ^2/NDF: 9506969.7/79



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -194.468+/-292.158 χ^2/NDF:23.8/22

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -84.117+/-290.828 χ^2/NDF:14.6/21

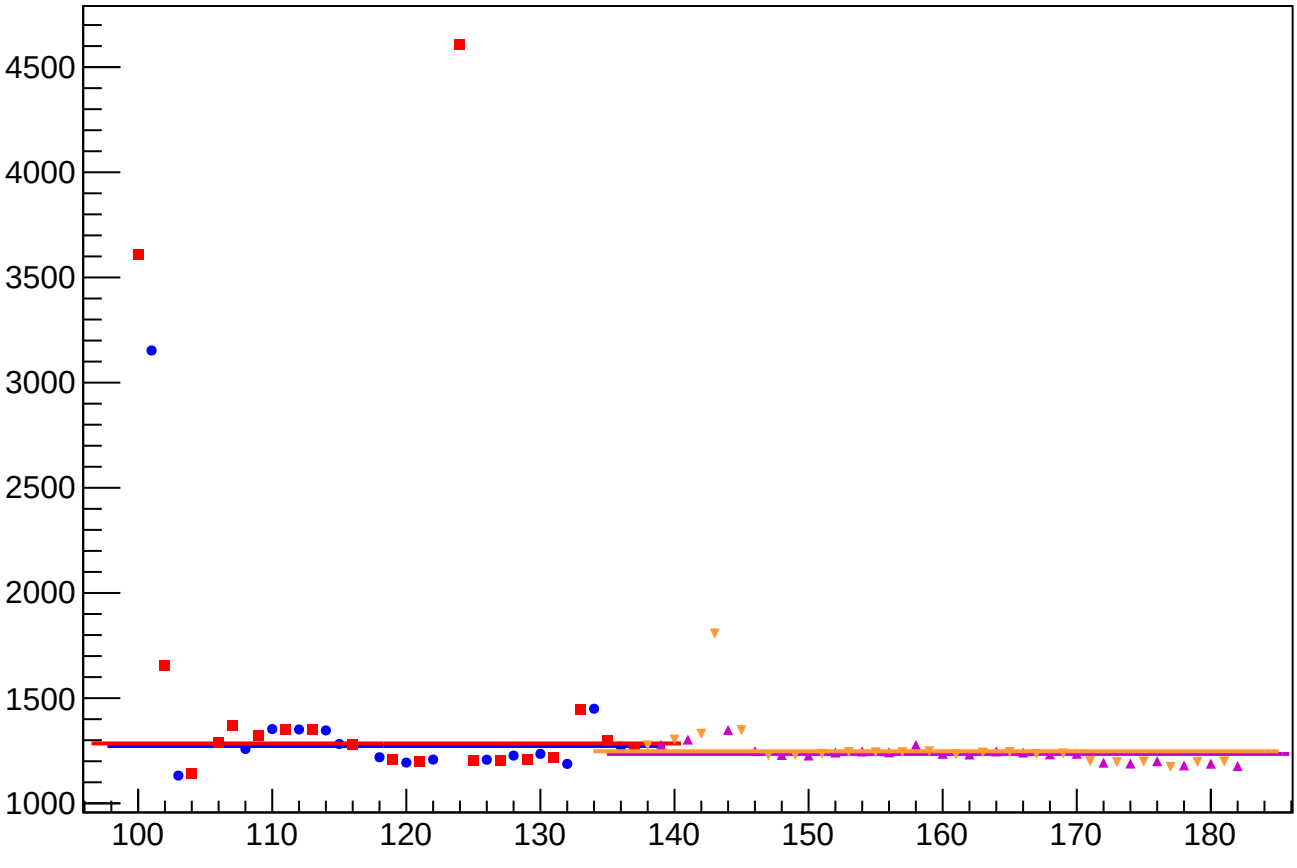
Left: -139.041+/-206.115 χ^2/NDF: 38.5/44

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 94.834+/-249.071 χ^2/NDF:33.1/37

Out: -262.838+/-249.751 χ^2/NDF:40.8/41

All: -83.514+/-176.360 χ^2/NDF: 74.9/79



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1247.563+/-0.207 χ^2/NDF:194718.0/22

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

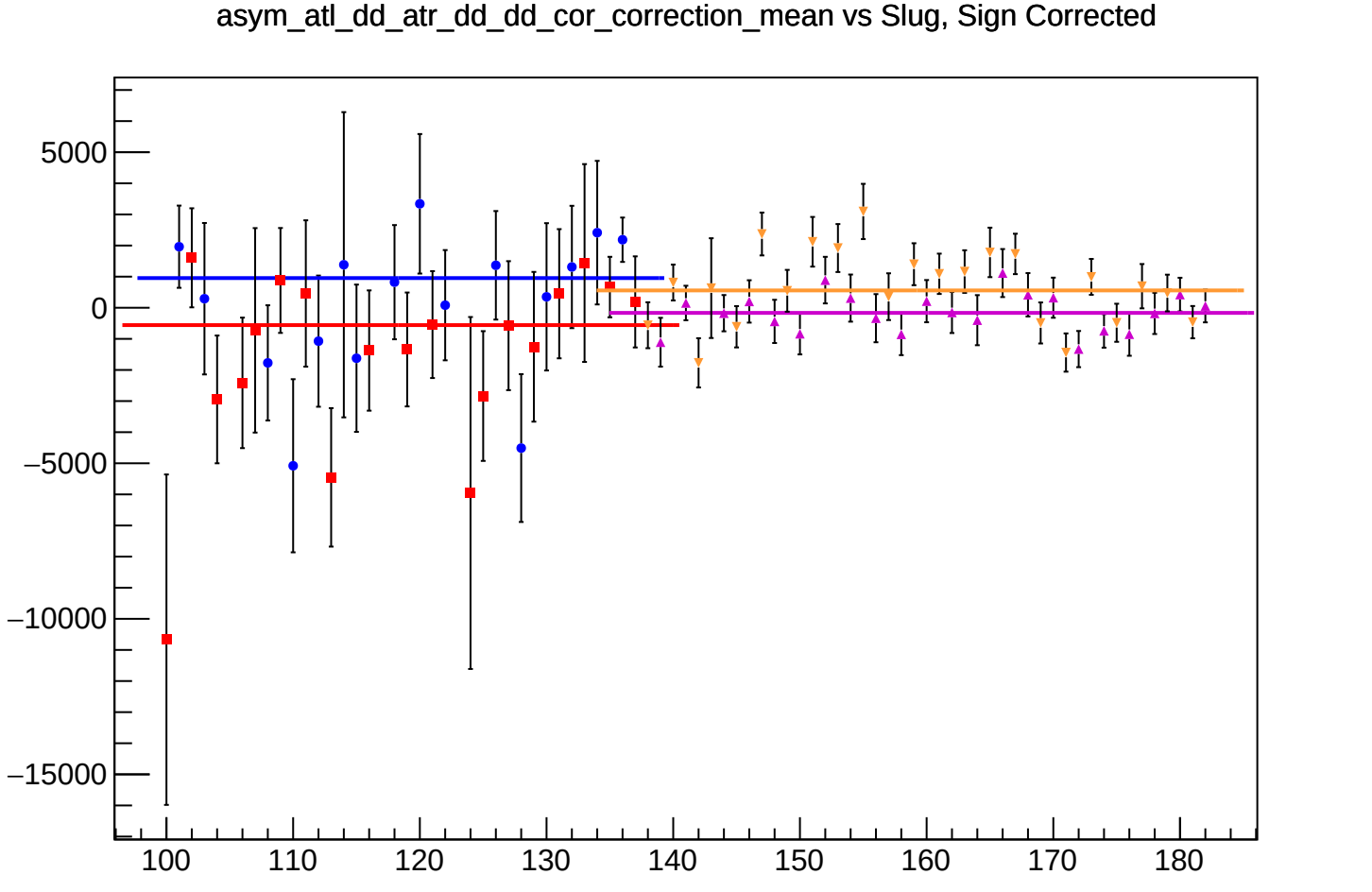
Left: 1241.153+/-0.146 χ^2/NDF: 234462.2/44

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1244.931+/-0.176 χ^2/NDF:566229.4/37

Out: 1257.549+/-0.177 χ^2/NDF:532131.7/41

All: 1251.223+/-0.125 χ^2/NDF: 1100921.0/79



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 556.880+/-142.044 χ^2/NDF:65.5/22

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -165.131+/-139.104 χ^2/NDF:18.6/21

Left: 188.326+/-99.384 χ^2/NDF: 97.3/44

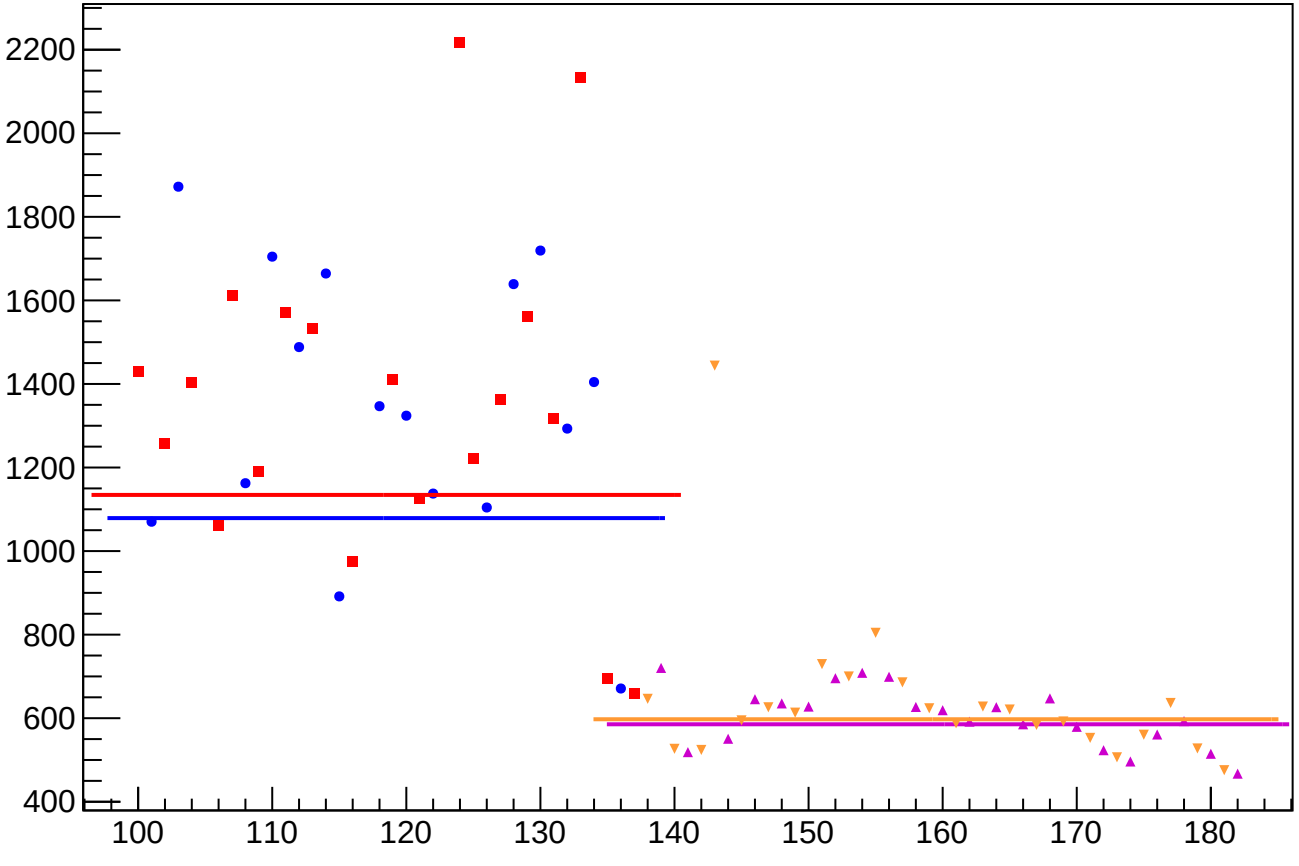
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -57.131+/-132.223 χ^2/NDF:44.7/37

Out: 451.990+/-135.196 χ^2/NDF:89.7/41

All: 191.769+/-94.529 χ^2/NDF: 141.6/79

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: 597.480+/-0.100 χ^2/NDF:1066475.2/22

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.442+/-0.098 χ^2/NDF:517584.9/21

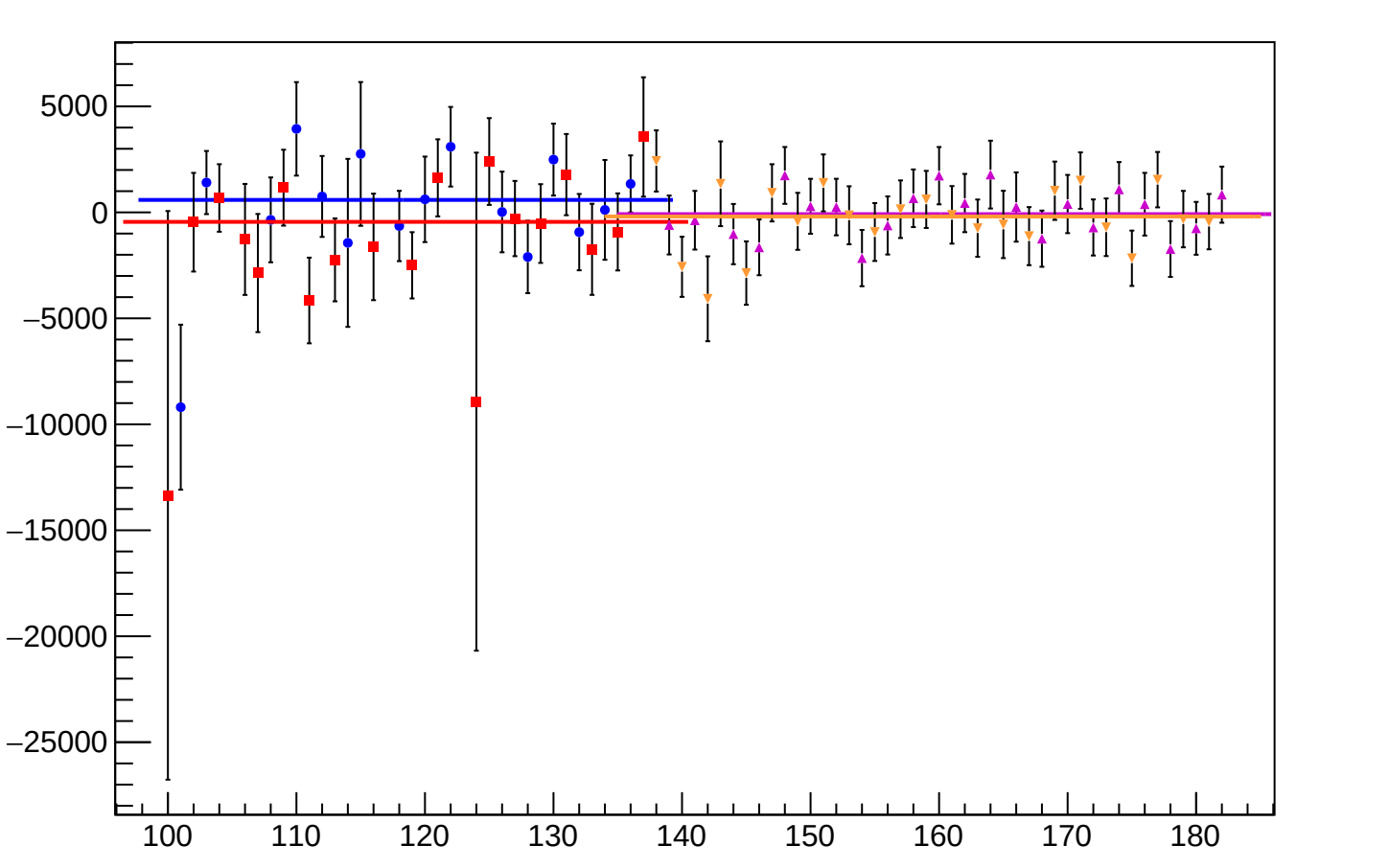
Left: 591.335+/-0.070 χ^2/NDF: 1591392.5/44

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 633.059+/-0.093 χ^2/NDF:4425108.5/37

Out: 648.000+/-0.096 χ^2/NDF:5044311.2/41

All: 640.363+/-0.067 χ^2/NDF: 9481903.7/79



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -194.468+/-292.158 χ^2/NDF:23.8/22

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -84.117+/-290.828 χ^2/NDF:14.6/21

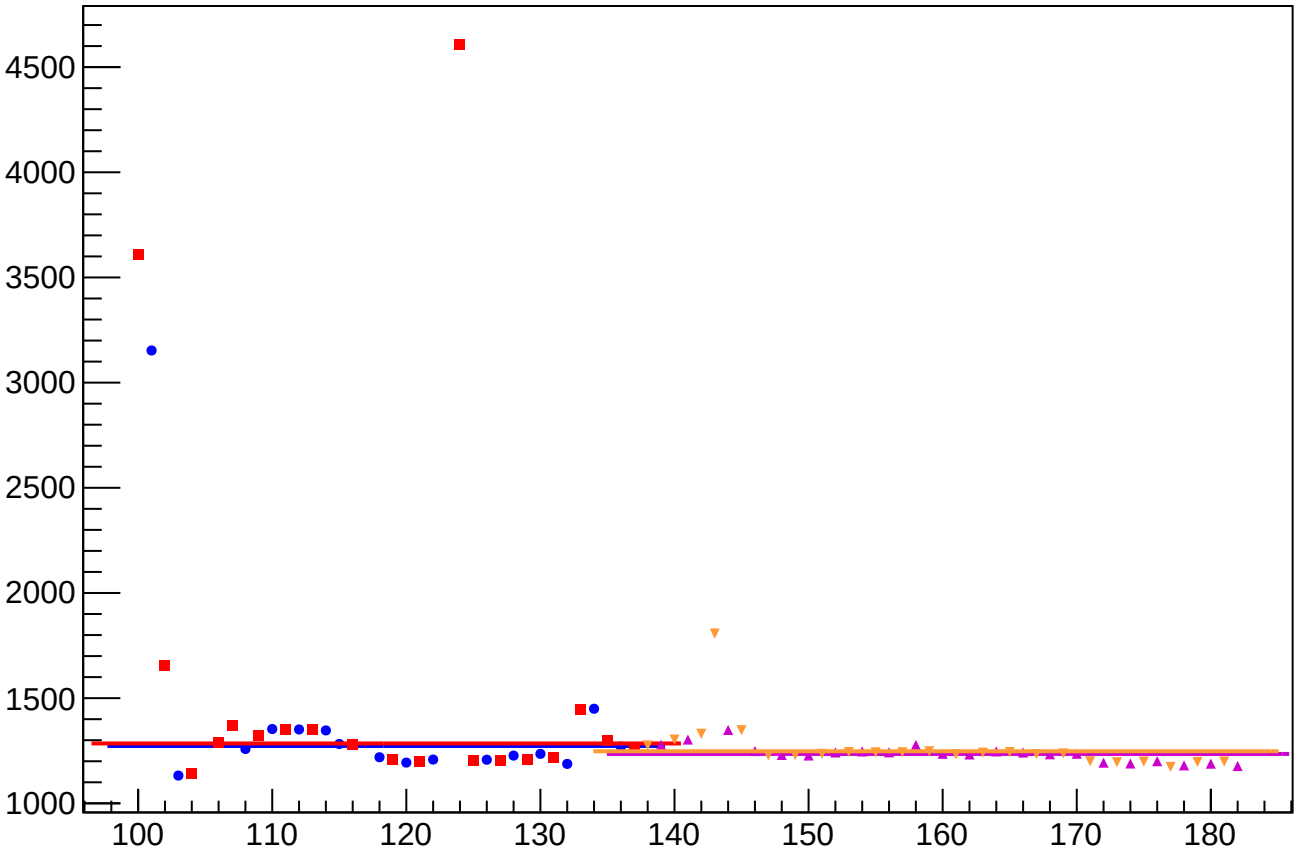
Left: -139.041+/-206.115 χ^2/NDF: 38.5/44

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 94.834+/-249.071 χ^2/NDF:33.1/37

Out: -262.838+/-249.751 χ^2/NDF:40.8/41

All: -83.514+/-176.360 χ^2/NDF: 74.9/79



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1247.563+/-0.207 χ^2/NDF:194718.0/22

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

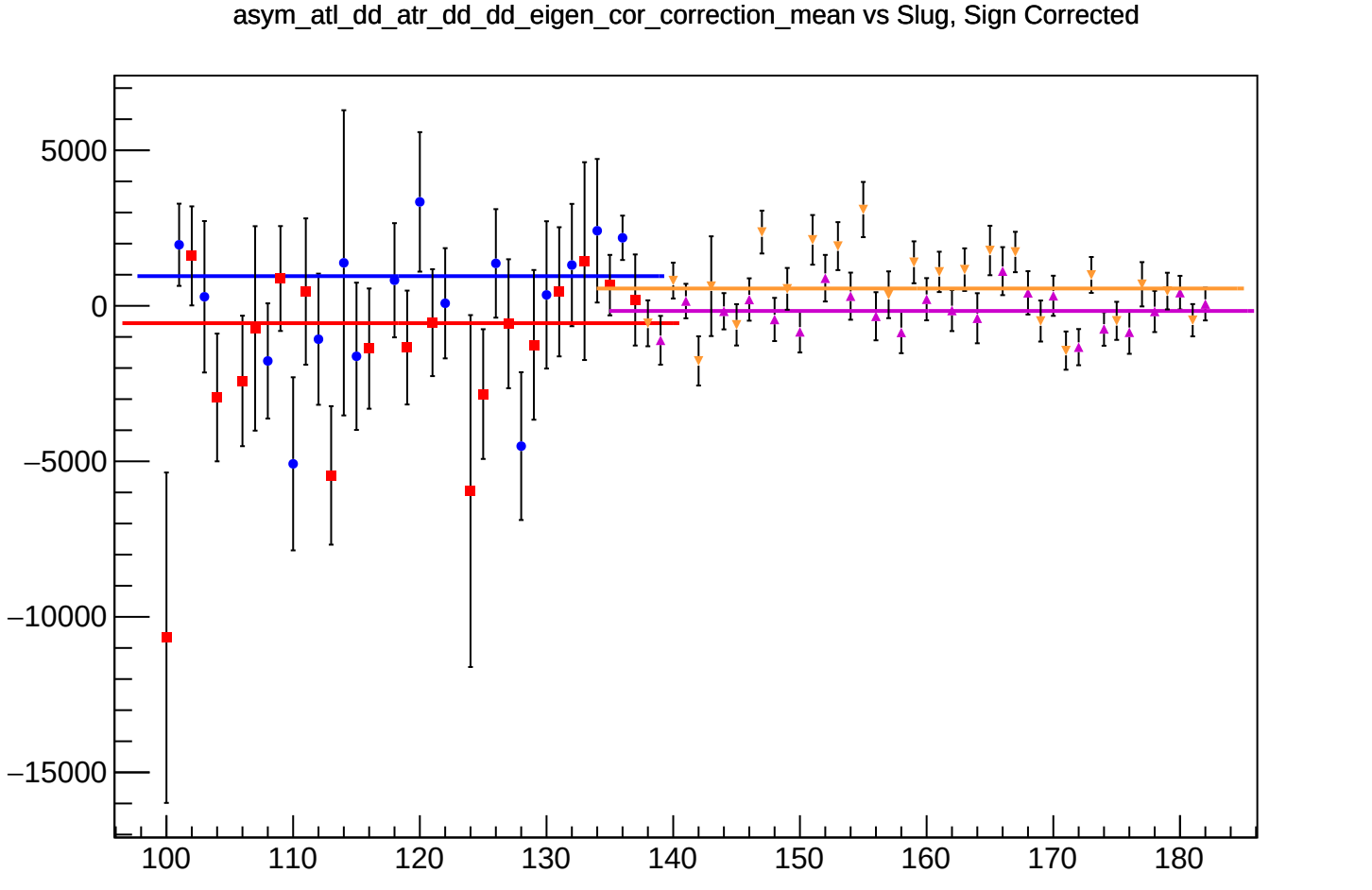
Left: 1241.153+/-0.146 χ^2/NDF: 234462.2/44

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1244.931+/-0.176 χ^2/NDF:566229.4/37

Out: 1257.549+/-0.177 χ^2/NDF:532131.7/41

All: 1251.223+/-0.125 χ^2/NDF: 1100921.0/79



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 556.880+/-142.044 χ^2/NDF:65.5/22

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -165.131+/-139.104 χ^2/NDF:18.6/21

Left: 188.326+/-99.384 χ^2/NDF: 97.3/44

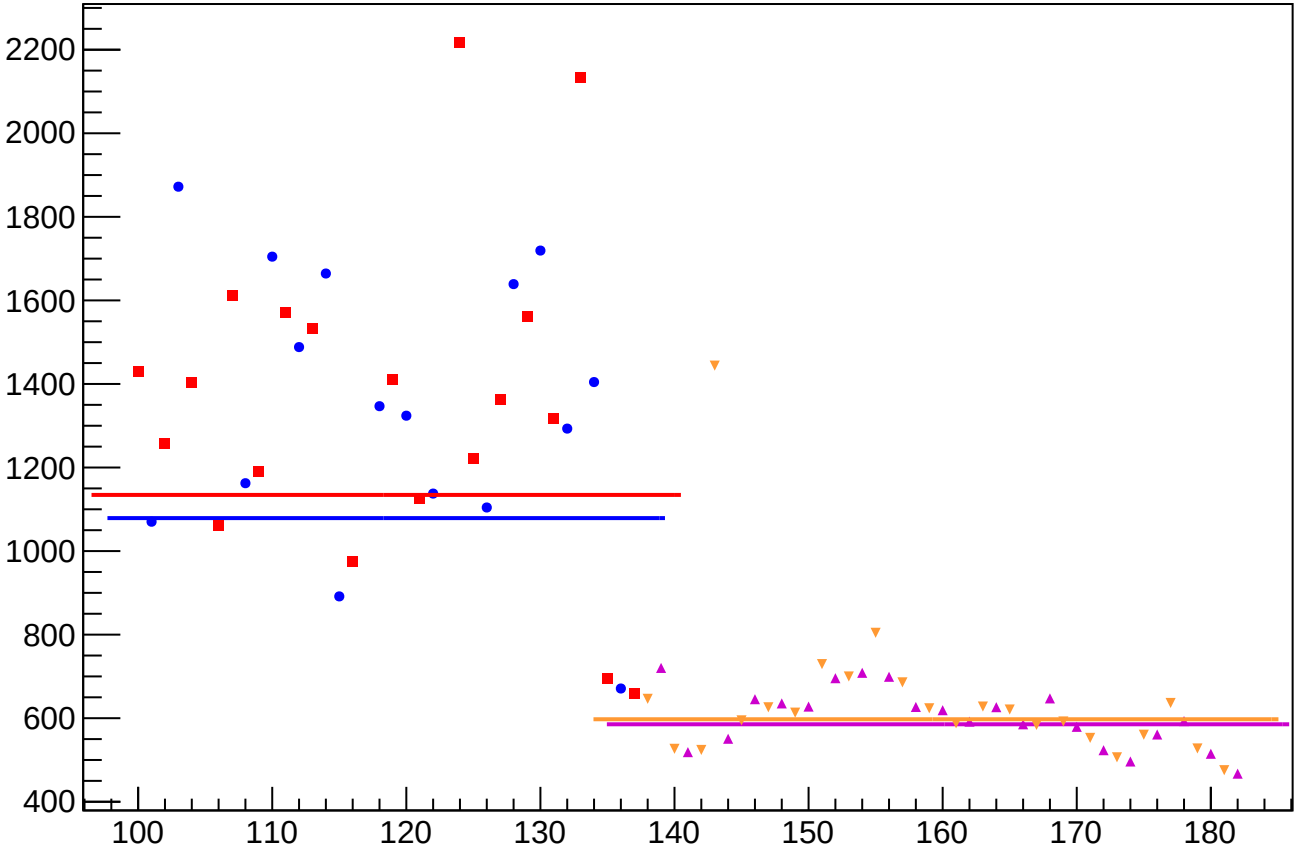
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -57.131+/-132.223 χ^2/NDF:44.7/37

Out: 451.990+/-135.196 χ^2/NDF:89.7/41

All: 191.769+/-94.529 χ^2/NDF: 141.6/79

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: 597.480+/-0.100 χ^2/NDF:1066475.2/22

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.442+/-0.098 χ^2/NDF:517584.9/21

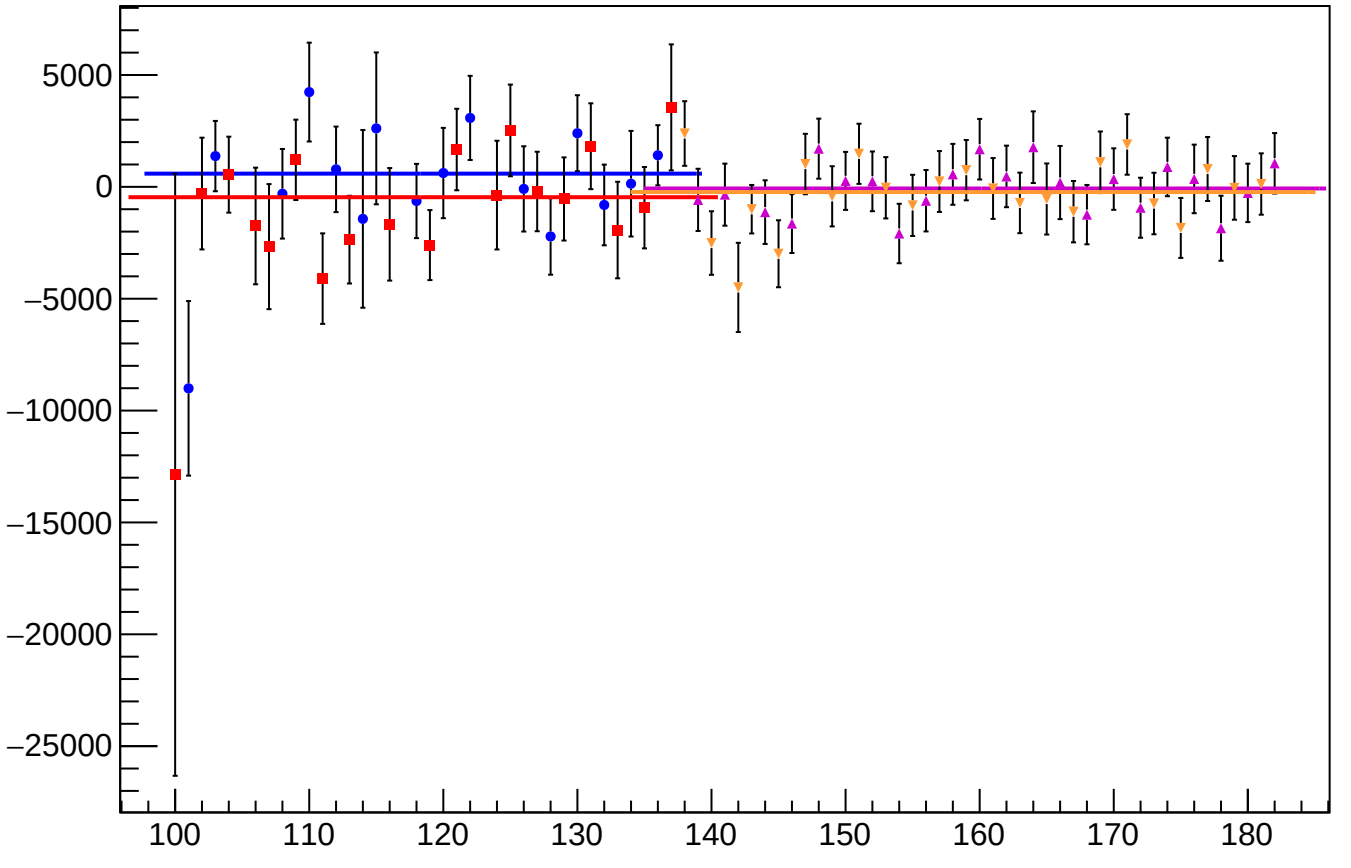
Left: 591.335+/-0.070 χ^2/NDF: 1591392.5/44

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 633.059+/-0.093 χ^2/NDF:4425108.5/37

Out: 648.000+/-0.096 χ^2/NDF:5044311.2/41

All: 640.363+/-0.067 χ^2/NDF: 9481903.7/79



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -233.091+/-288.376 χ^2/NDF:23.8/22

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -73.636+/-294.072 χ^2/NDF:14.0/21

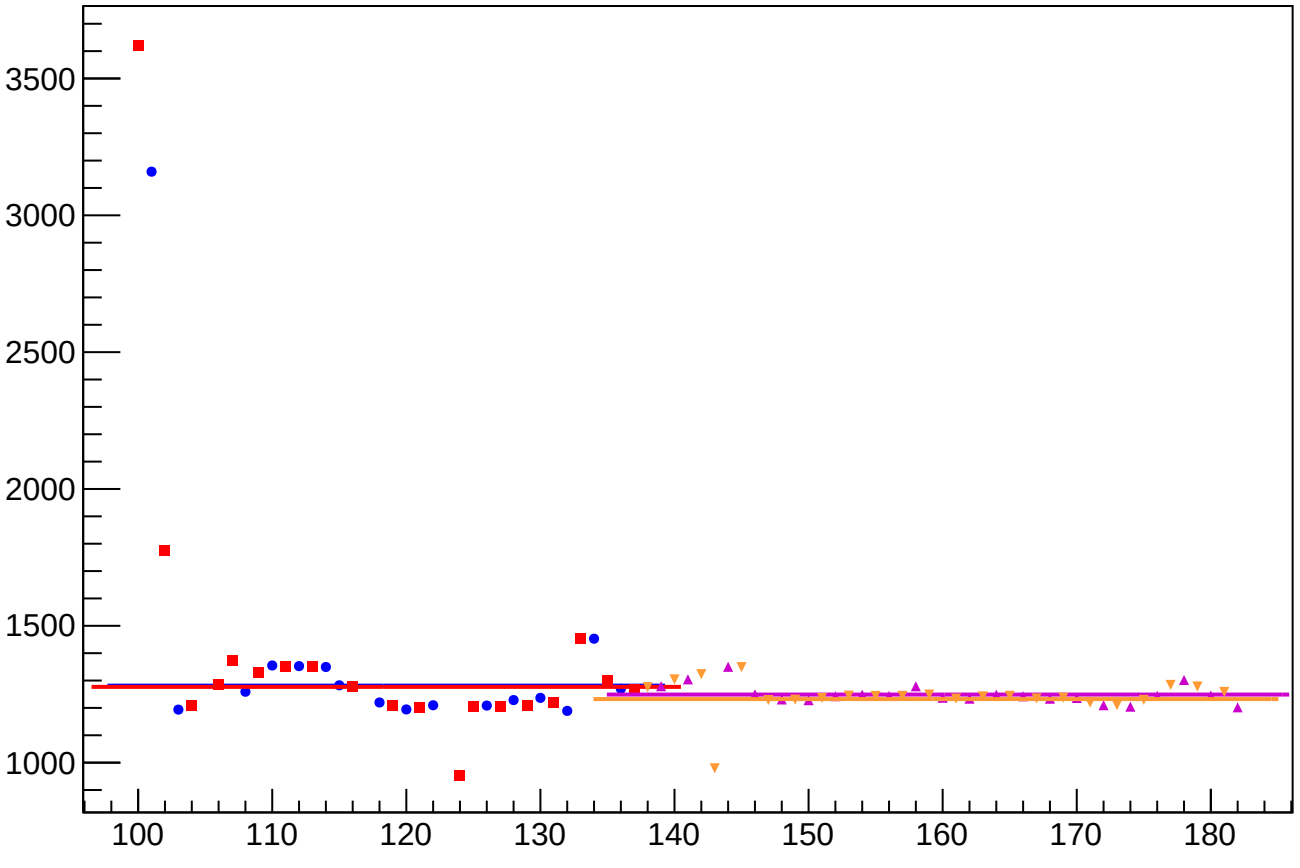
Left: -154.923+/-205.897 χ^2/NDF: 38.0/44

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 104.586+/-251.527 χ^2/NDF:32.5/37

Out: -294.563+/-246.754 χ^2/NDF:40.7/41

All: -98.811+/-176.145 χ^2/NDF: 74.5/79



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1232.274+/-0.204 χ^2/NDF:139412.3/22

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1248.730+/-0.208 χ^2/NDF:26173.3/21

Left: 1240.342+/-0.146 χ^2/NDF: 168778.3/44

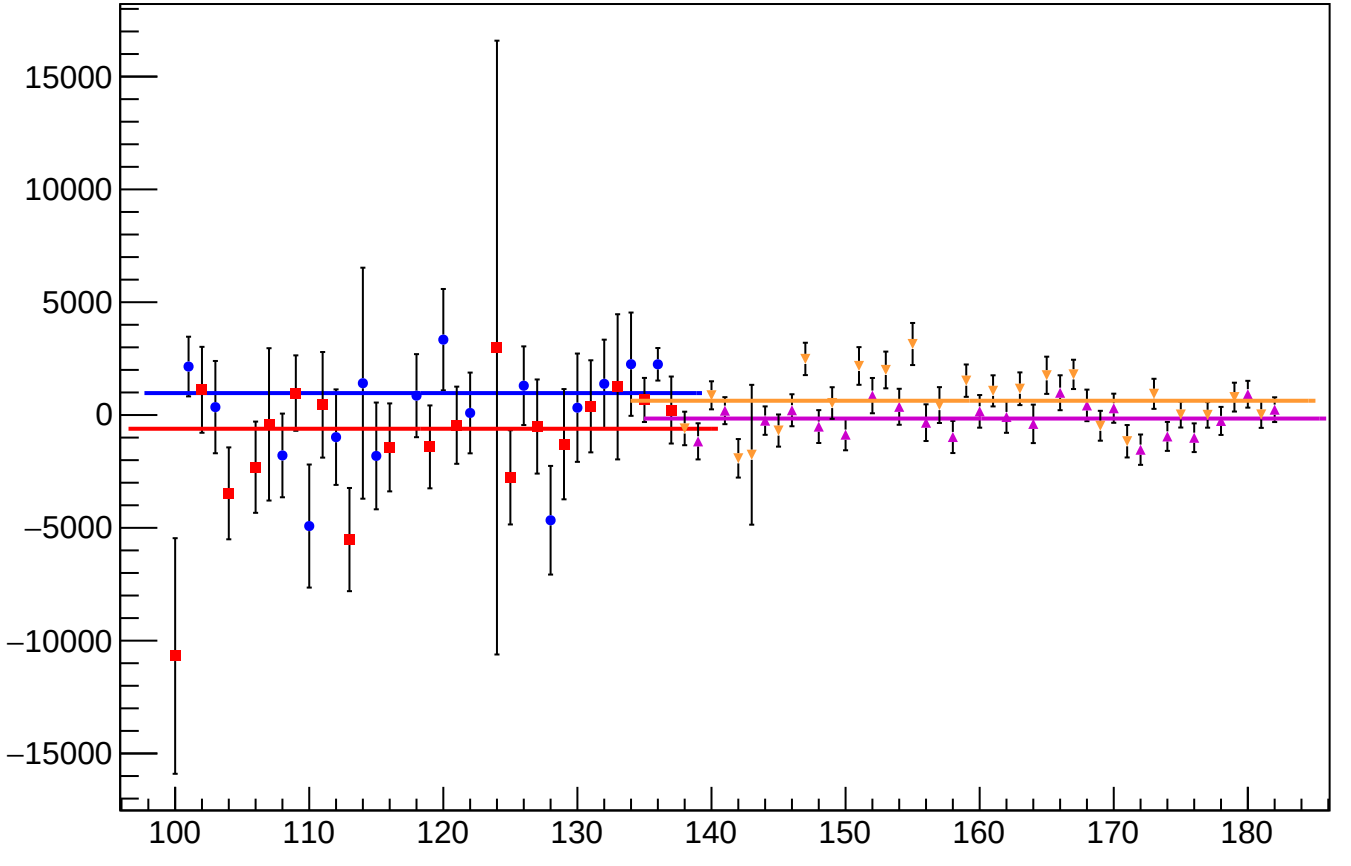
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1257.491+/-0.178 χ^2/NDF:539864.7/37

Out: 1244.216+/-0.174 χ^2/NDF:372730.7/41

All: 1250.727+/-0.125 χ^2/NDF: 915434.4/79

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 632.798+/-148.843 χ^2/NDF:56.4/22

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -156.189+/-146.189 χ^2/NDF:22.0/21

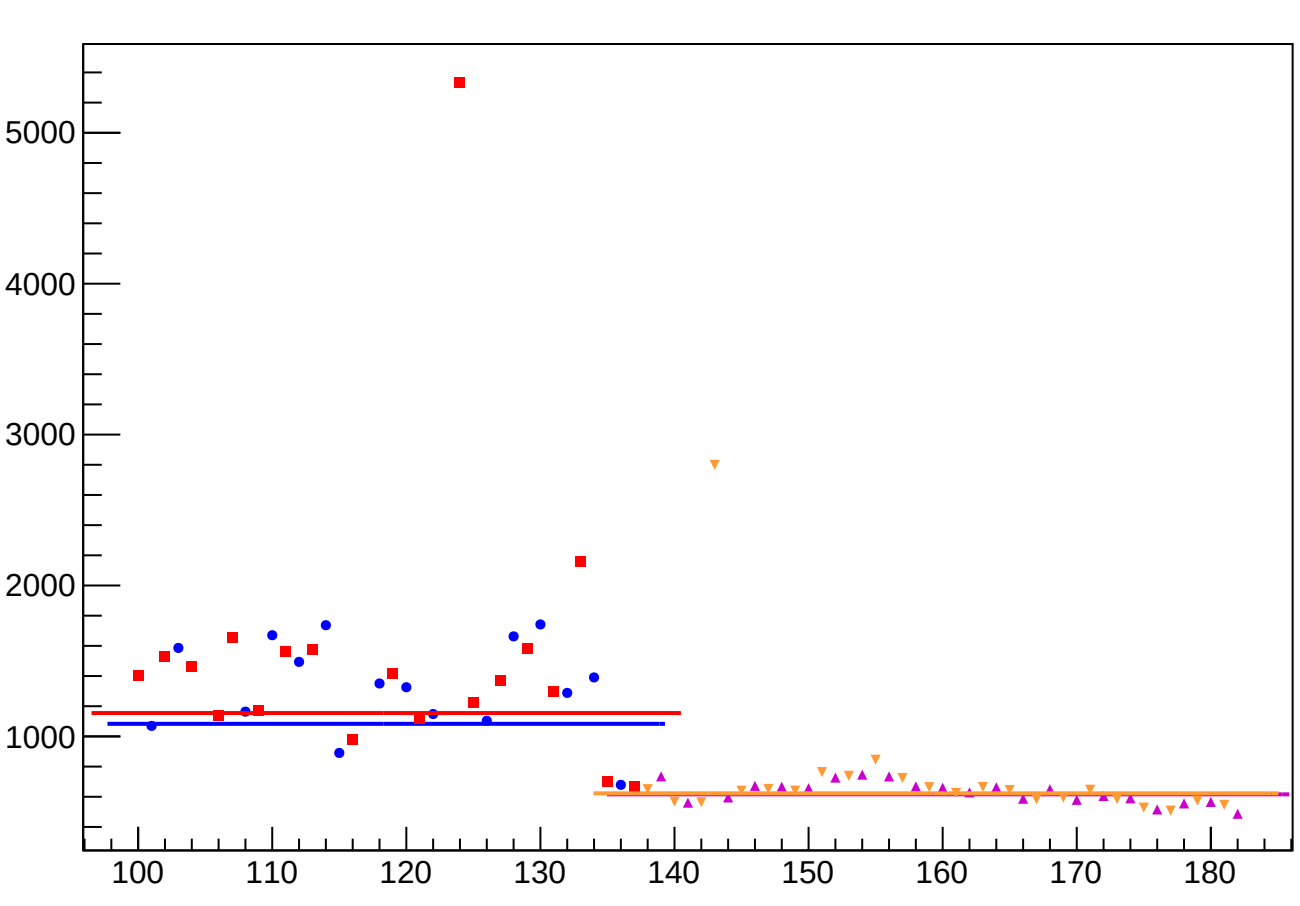
Left: 231.209+/-104.297 χ^2/NDF: 92.7/44

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: -36.905+/-138.247 χ^2/NDF:48.7/37

Out: 509.276+/-141.243 χ^2/NDF:80.4/41

All: 230.332+/-98.798 χ^2/NDF: 136.8/79



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 622.823+/-0.105 χ^2/NDF:1478157.2/22

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 615.957+/-0.103 χ^2/NDF:464038.0/21

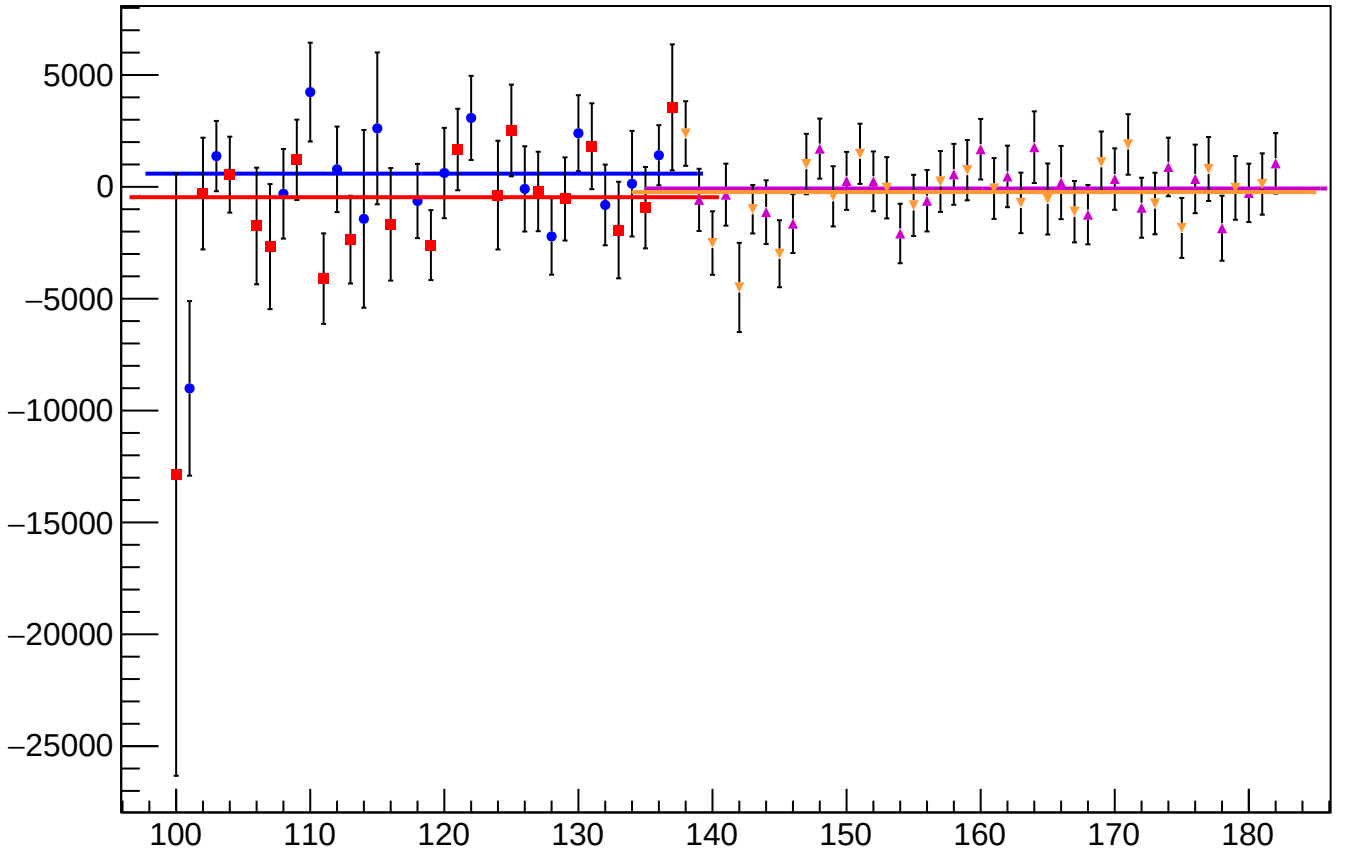
Left: 619.328+/-0.074 χ^2/NDF: 1944361.4/44

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 665.361+/-0.098 χ^2/NDF:3985029.8/37

Out: 675.756+/-0.100 χ^2/NDF:5508182.4/41

All: 670.447+/-0.070 χ^2/NDF: 9498744.9/79



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -233.093+/-288.376 χ^2/NDF:23.8/22

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -73.635+/-294.072 χ^2/NDF:14.0/21

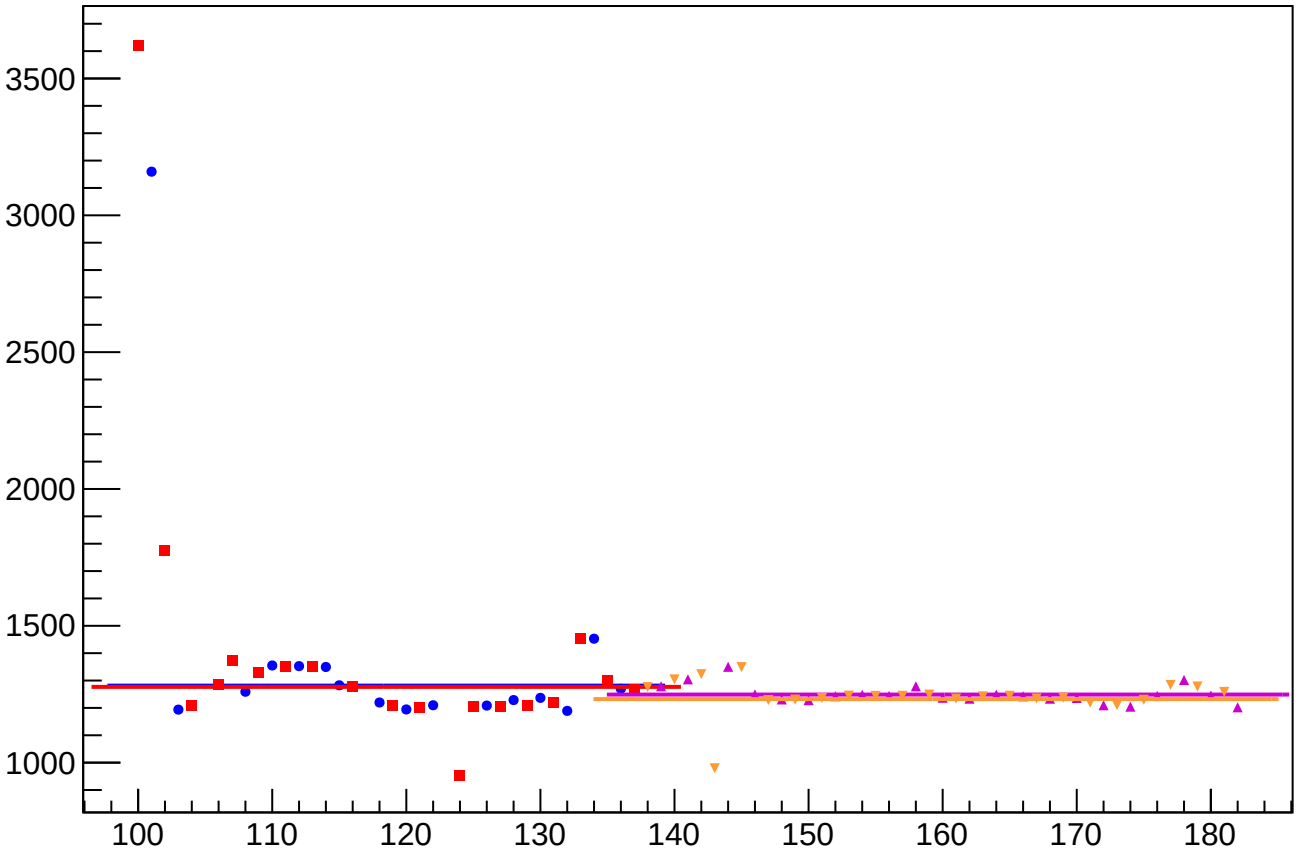
Left: -154.924+/-205.897 χ^2/NDF: 38.0/44

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 104.587+/-251.527 χ^2/NDF:32.5/37

Out: -294.564+/-246.754 χ^2/NDF:40.7/41

All: -98.811+/-176.145 χ^2/NDF: 74.5/79



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1232.274+/-0.204 χ^2/NDF:139411.4/22

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1248.730+/-0.208 χ^2/NDF:26173.2/21

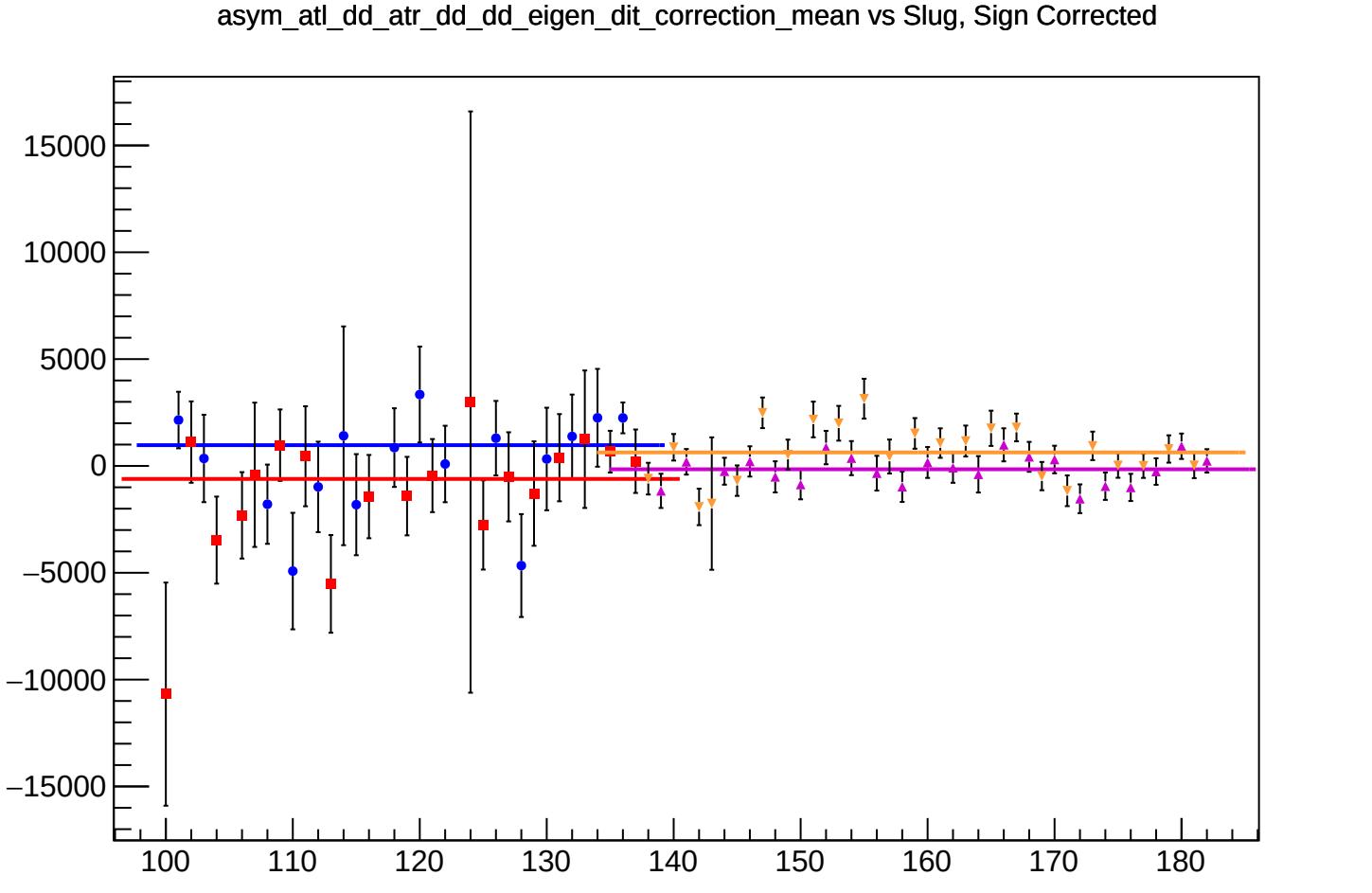
Left: 1240.341+/-0.146 χ^2/NDF: 168777.2/44

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

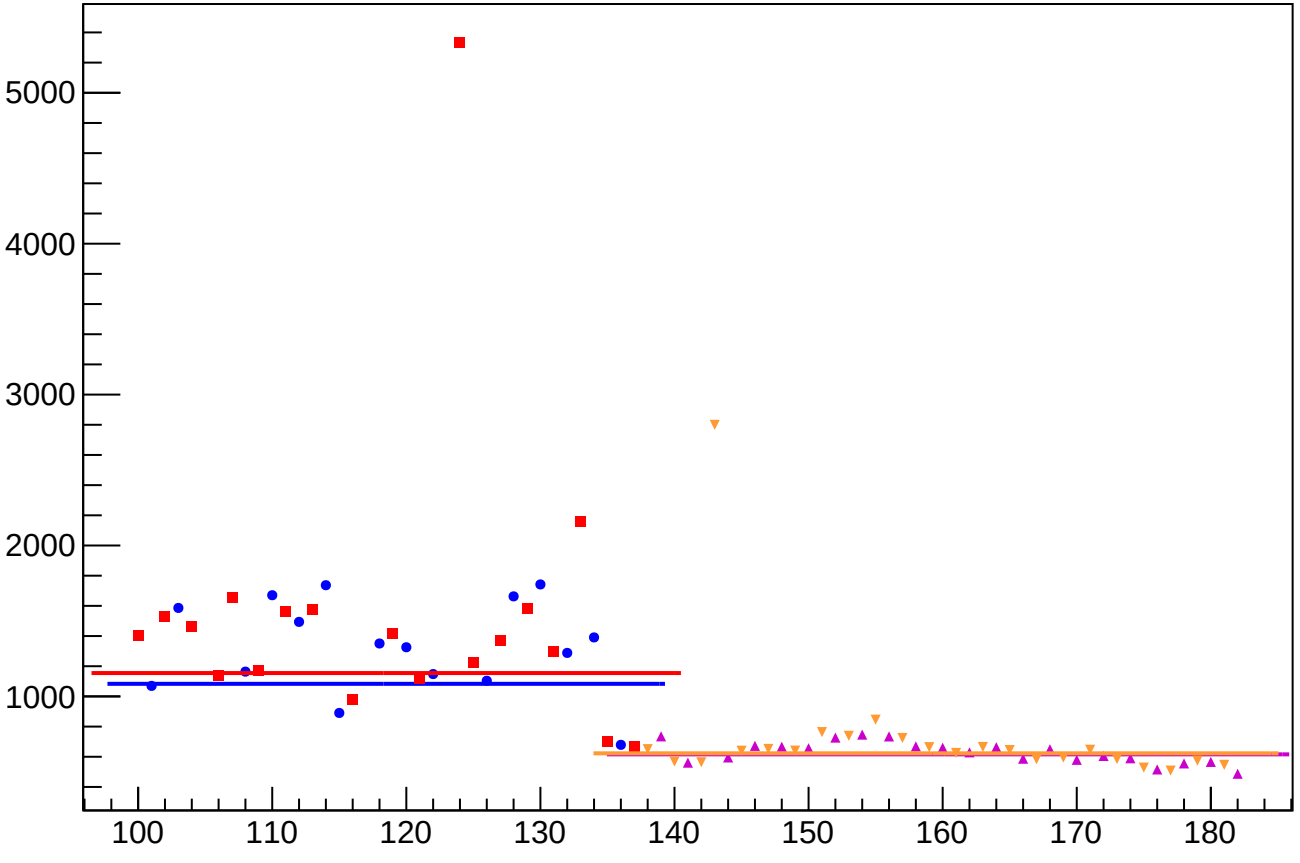
In: 1257.491+/-0.178 χ^2/NDF:539864.8/37

Out: 1244.216+/-0.174 χ^2/NDF:372729.6/41

All: 1250.726+/-0.125 χ^2/NDF: 915433.4/79


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 972.281+/-425.220 χ²/NDF: 20.4/15
Left Out: 632.797+/-148.843 χ²/NDF:56.4/22
Right Out: -608.441+/-447.736 χ²/NDF: 17.1/18
Left In: -156.188+/-146.189 χ²/NDF:22.0/21
Left: 231.209+/-104.297 χ²/NDF: 92.7/44
Right: 222.664+/-308.329 χ²/NDF: 44.1/34
In: -36.906+/-138.247 χ²/NDF:48.7/37
Out: 509.276+/-141.243 χ²/NDF:80.4/41
All: 230.332+/-98.797 χ²/NDF: 136.8/79

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: 622.823+/-0.105 χ^2/NDF:1478156.7/22

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 615.957+/-0.103 χ^2/NDF:464041.0/21

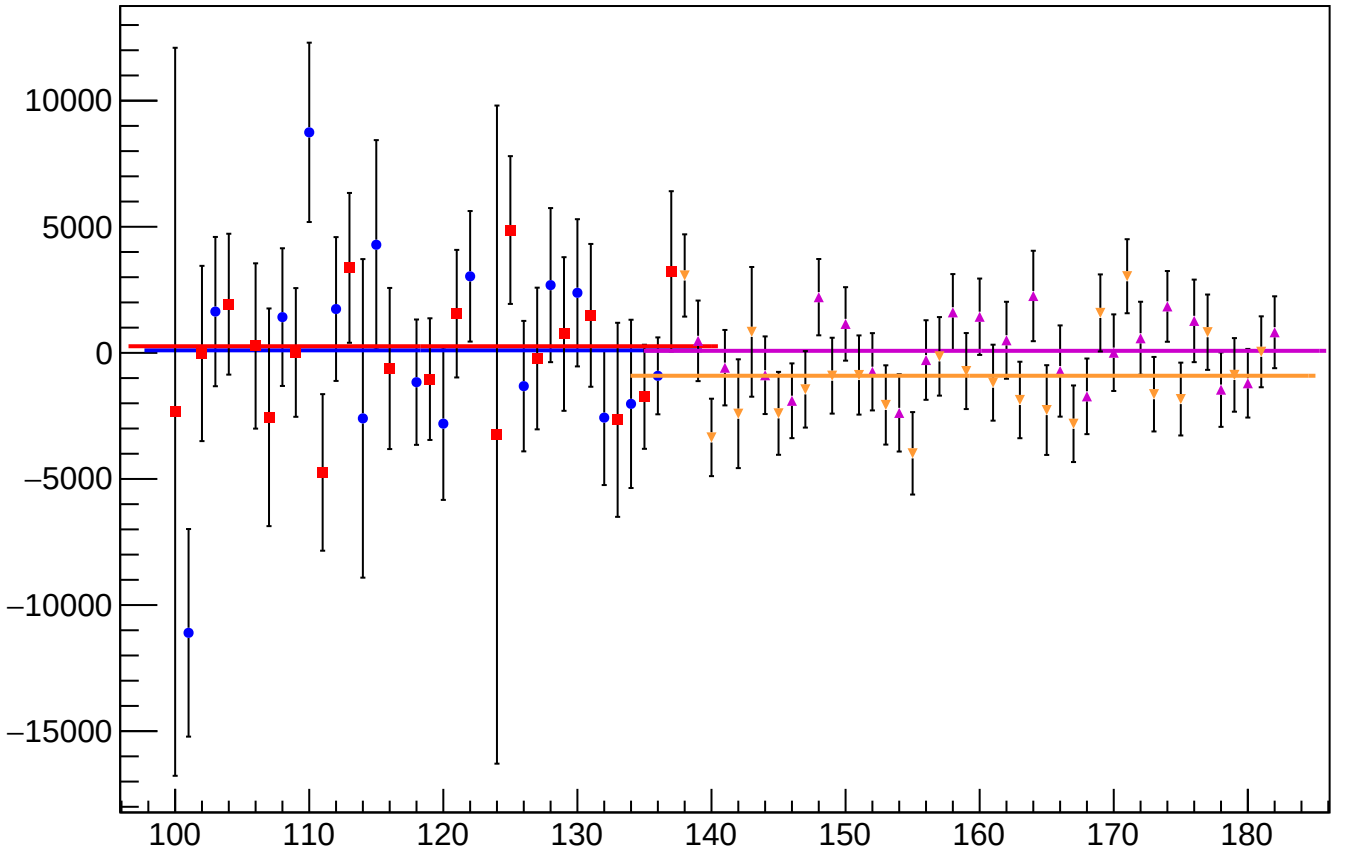
Left: 619.328+/-0.074 χ^2/NDF: 1944364.1/44

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 665.360+/-0.098 χ^2/NDF:3985027.3/37

Out: 675.756+/-0.100 χ^2/NDF:5508182.6/41

All: 670.446+/-0.070 χ^2/NDF: 9498743.0/79



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -907.432+/-327.414 χ^2/NDF:29.6/22

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 80.747+/-324.051 χ^2/NDF:17.4/21

Left: -408.241+/-230.318 χ^2/NDF: 51.6/44

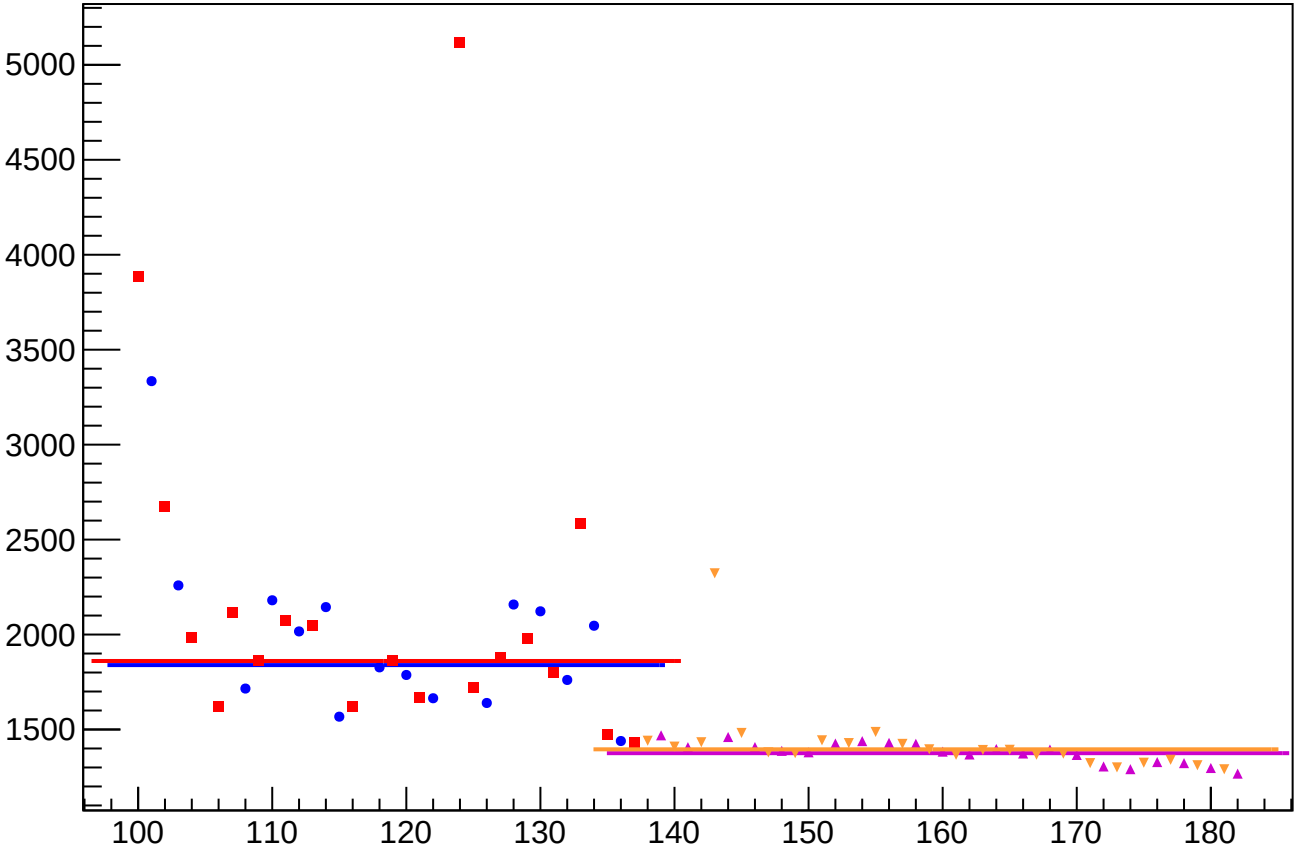
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 84.233+/-293.993 χ^2/NDF:38.6/37

Out: -697.247+/-296.554 χ^2/NDF:42.3/41

All: -303.118+/-208.784 χ^2/NDF: 84.4/79

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: 1395.593+/-0.232 χ^2/NDF:318108.5/22

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1375.341+/-0.229 χ^2/NDF:59984.1/21

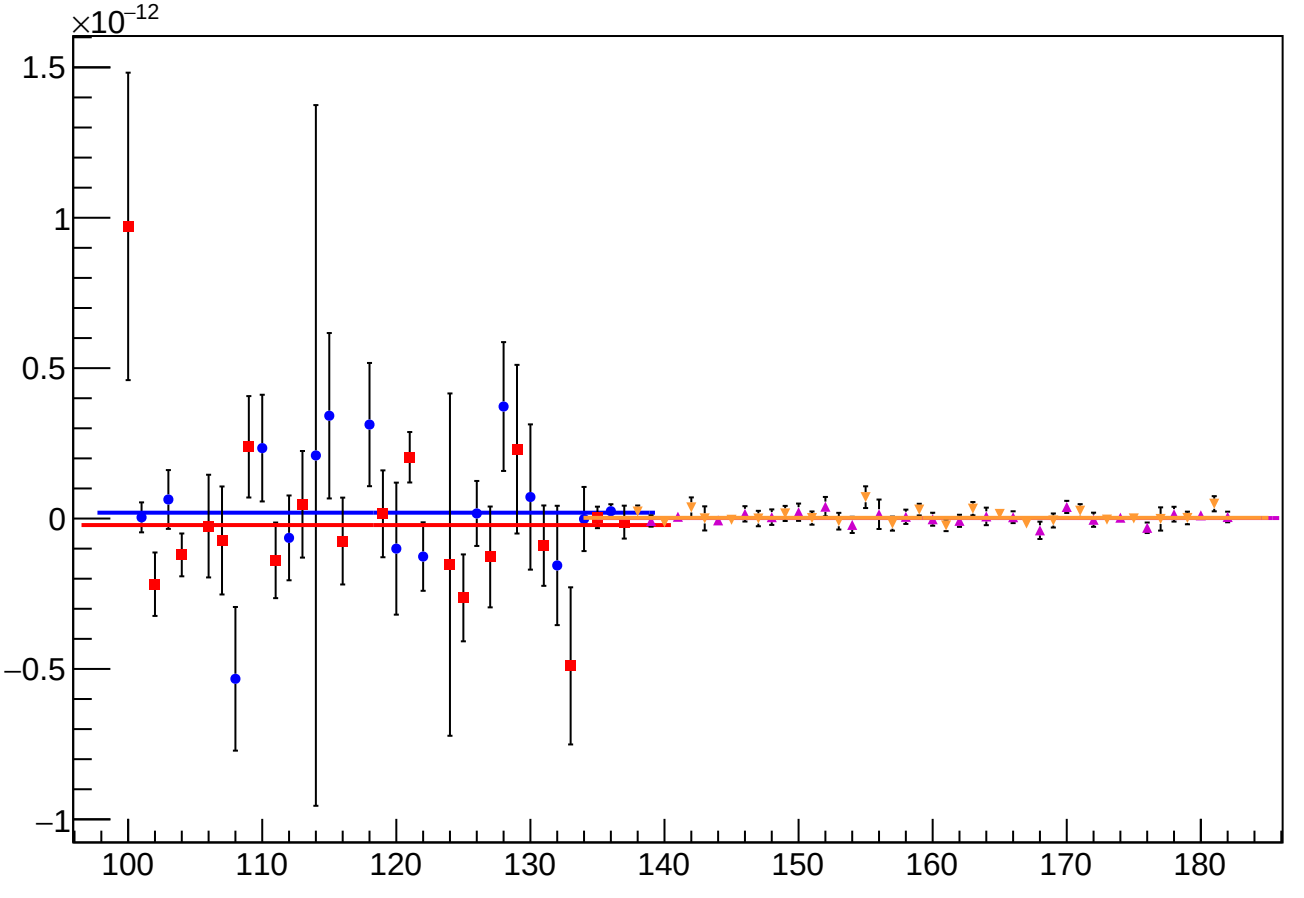
Left: 1385.362+/-0.163 χ^2/NDF: 381957.8/44

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1457.385+/-0.208 χ^2/NDF:1341406.9/37

Out: 1479.146+/-0.210 χ^2/NDF:1565336.8/41

All: 1468.172+/-0.148 χ^2/NDF: 2912175.0/79



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.2/22

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/21

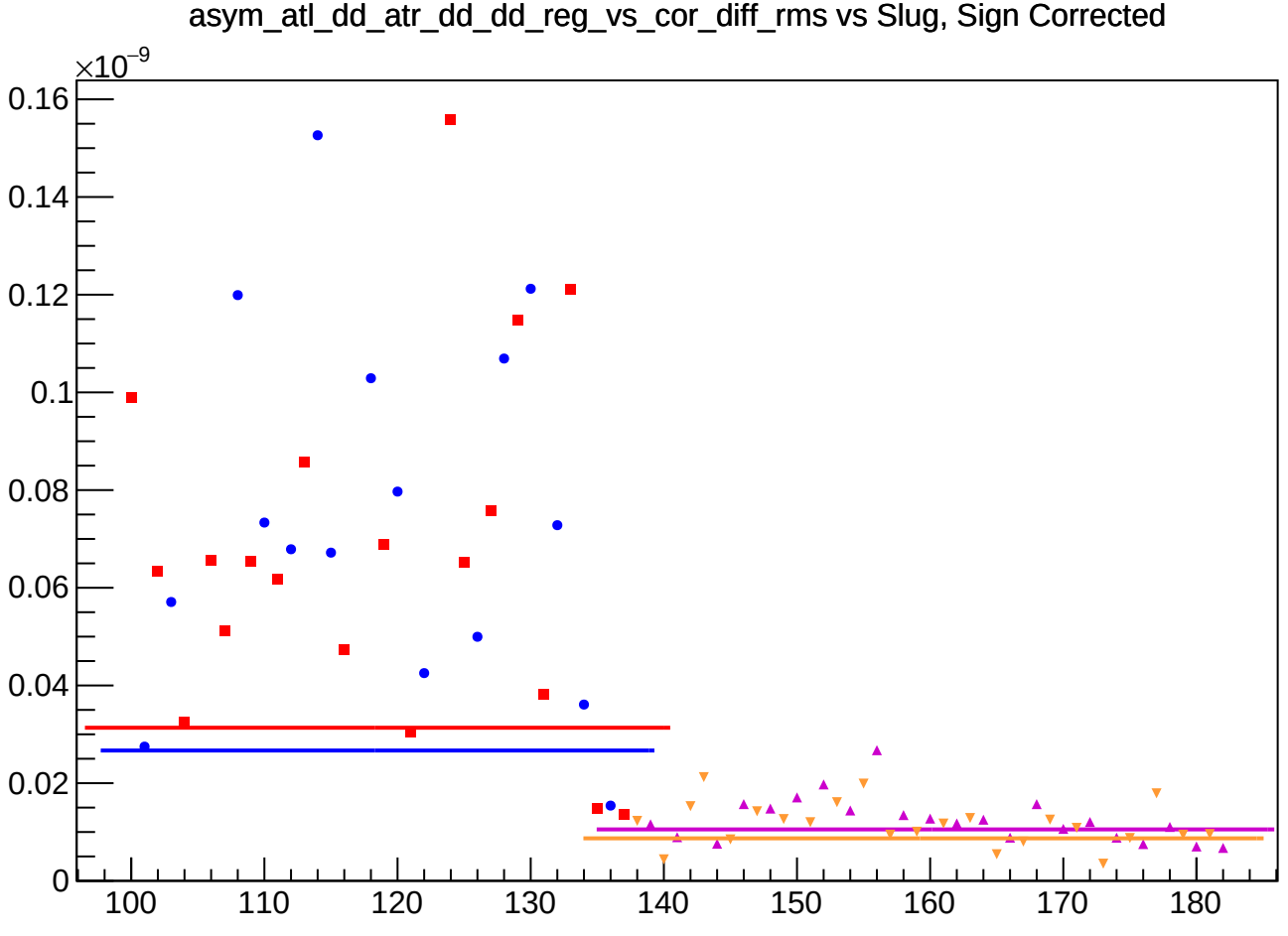
Left: 0.000+/-0.000 χ^2/NDF: 35.7/44

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.8/37

Out: 0.000+/-0.000 χ^2/NDF:51.5/41

All: 0.000+/-0.000 χ^2/NDF: 82.4/79



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2119432.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1232028.7/21

Left: 0.000+/-0.000 χ^2/NDF: 3544500.4/44

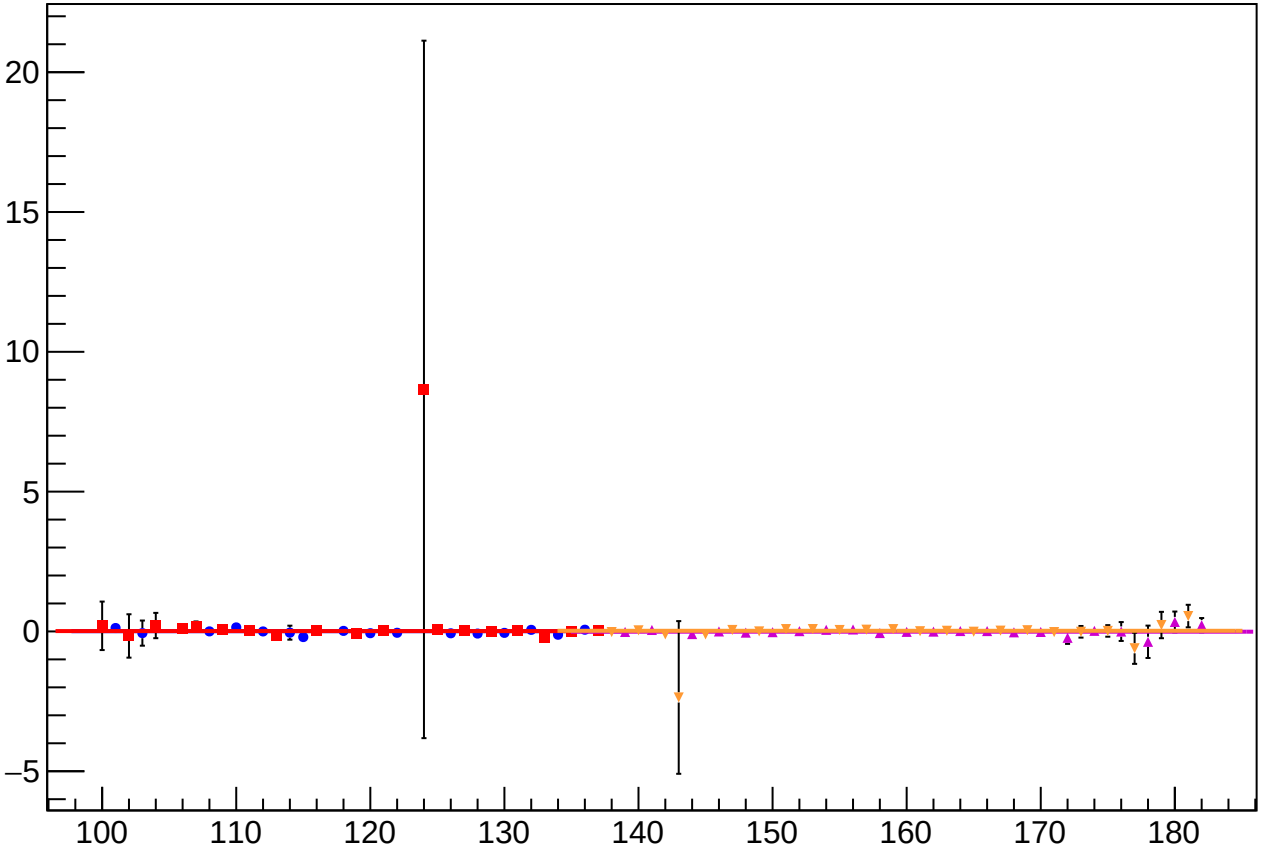
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:5211262.5/37

Out: 0.000+/-0.000 χ^2/NDF:6395972.4/41

All: 0.000+/-0.000 χ^2/NDF: 11846998.7/79

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:14.0/21

Left: 0.006+/-0.007 χ^2/NDF: 40.6/44

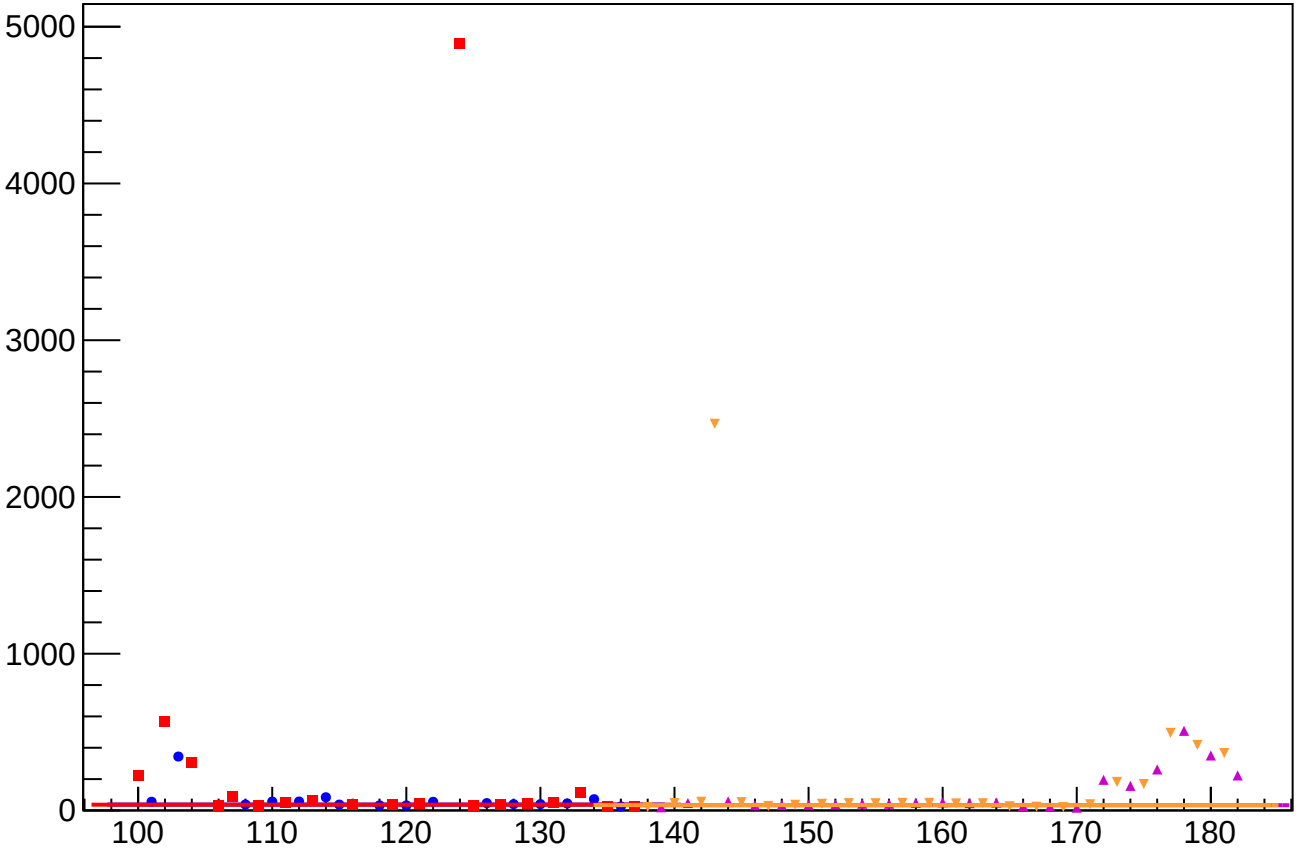
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:34.2/37

Out: 0.020+/-0.009 χ^2/NDF:34.1/41

All: 0.007+/-0.006 χ^2/NDF: 72.5/79

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: 34.216+/-0.007 χ^2/NDF:9907186.8/22

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.475+/-0.007 χ^2/NDF:9651312.5/21

Left: 33.835+/-0.005 χ^2/NDF: 19563894.6/44

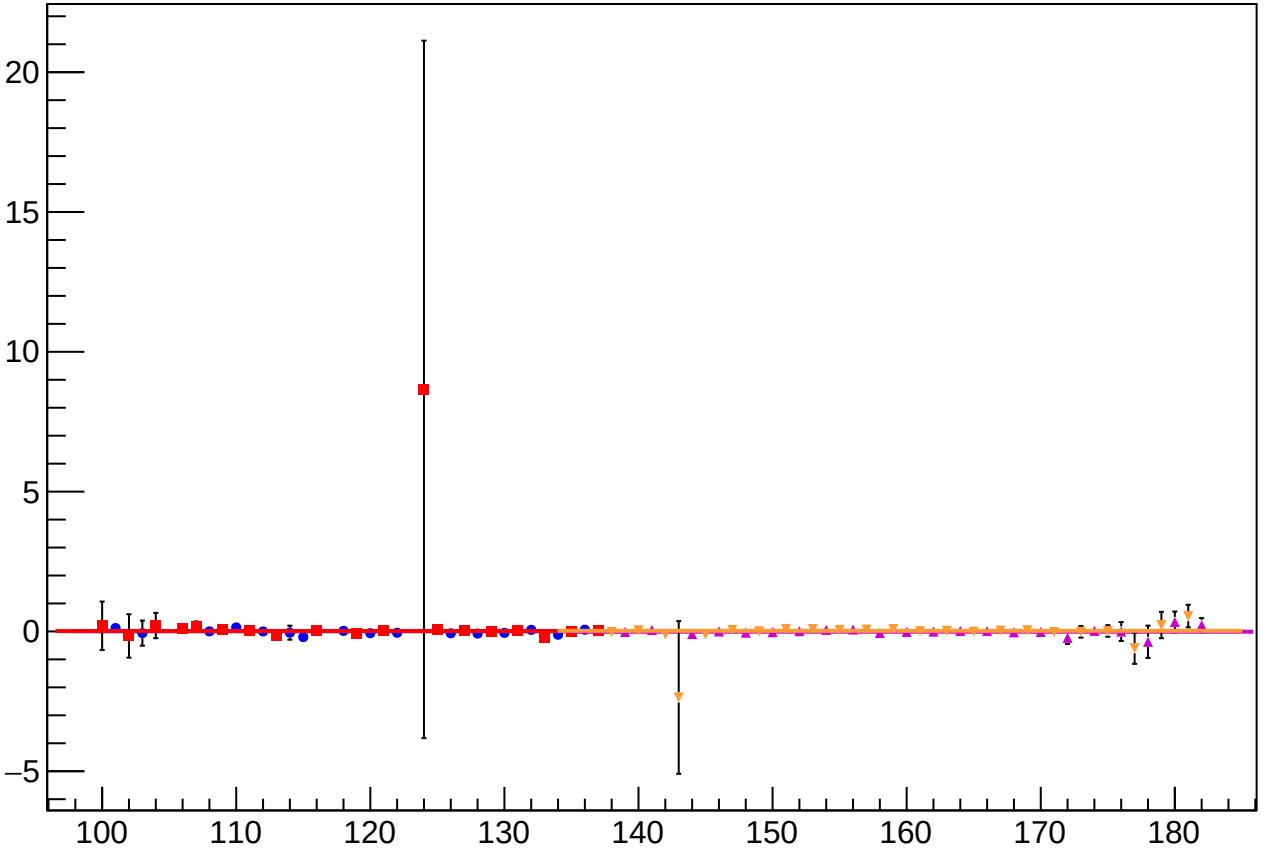
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.587+/-0.006 χ^2/NDF:11724984.5/37

Out: 34.915+/-0.006 χ^2/NDF:13132100.8/41

All: 34.747+/-0.004 χ^2/NDF: 24858550.2/79

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:14.0/21

Left: 0.006+/-0.007 χ^2/NDF: 40.6/44

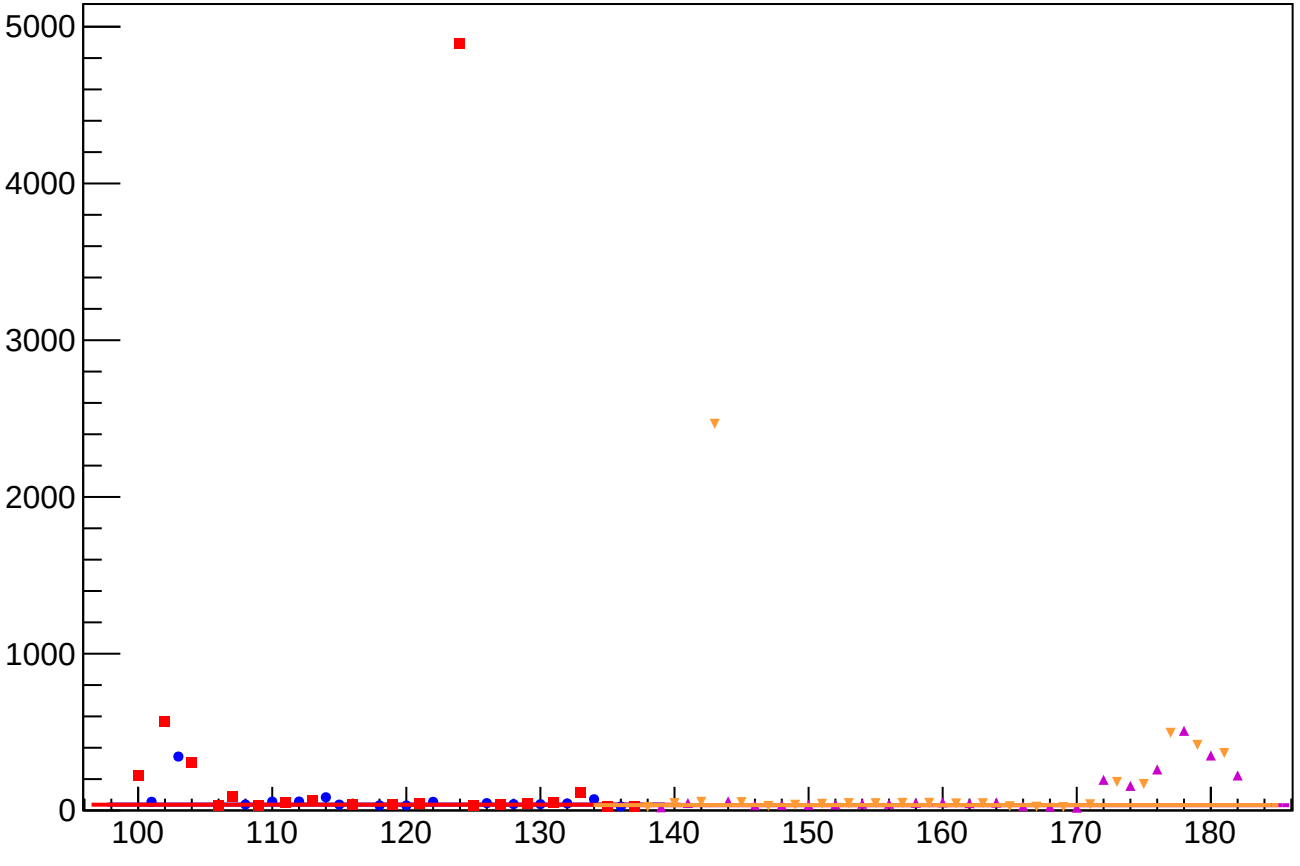
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:34.2/37

Out: 0.020+/-0.009 χ^2/NDF:34.1/41

All: 0.007+/-0.006 χ^2/NDF: 72.5/79

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.216+/-0.007 χ^2/NDF:9907186.8/22

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.475+/-0.007 χ^2/NDF:9651312.5/21

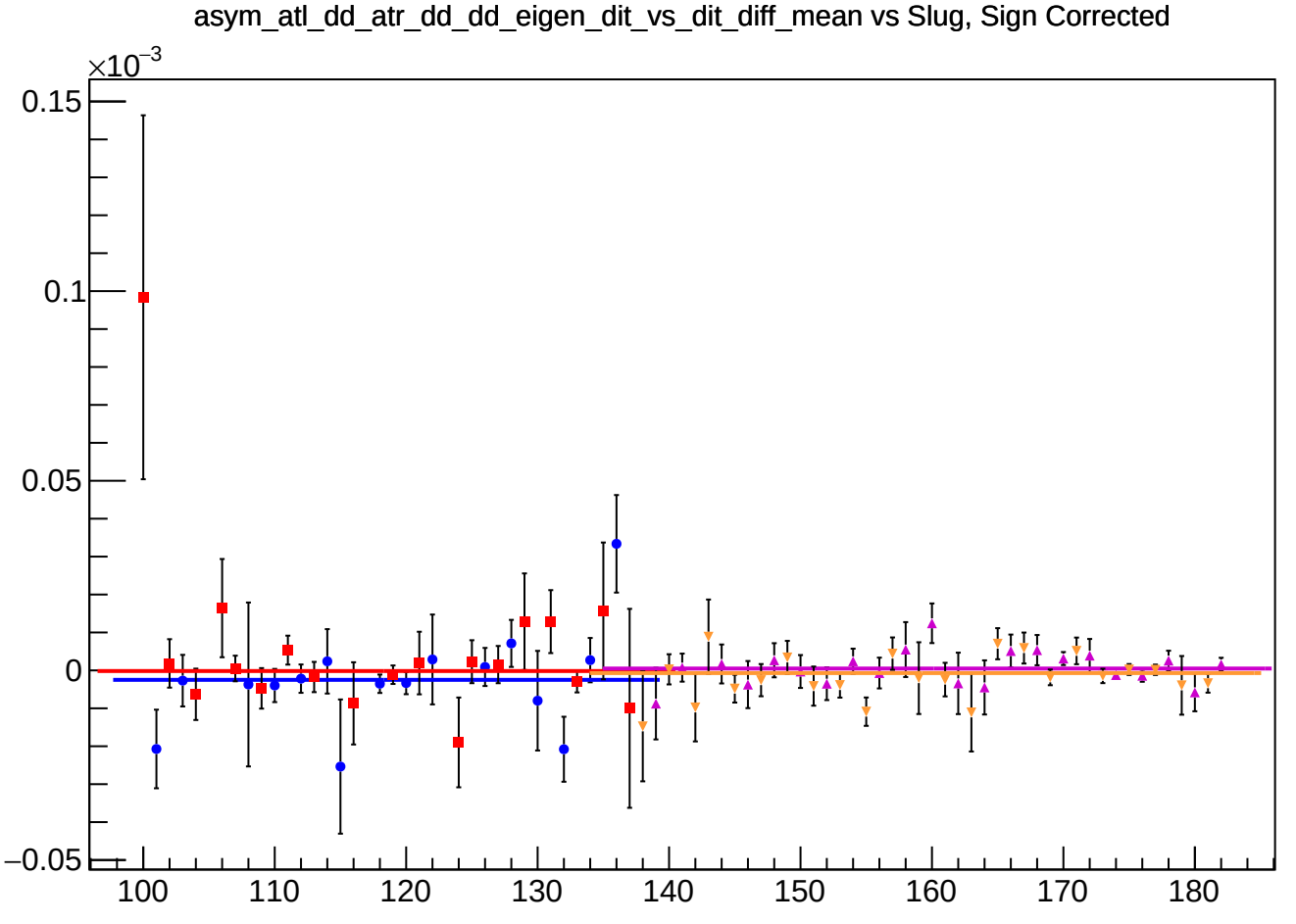
Left: 33.835+/-0.005 χ^2/NDF: 19563894.6/44

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.587+/-0.006 χ^2/NDF:11724984.5/37

Out: 34.915+/-0.006 χ^2/NDF:13132100.8/41

All: 34.747+/-0.004 χ^2/NDF: 24858550.2/79



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:21.6/21

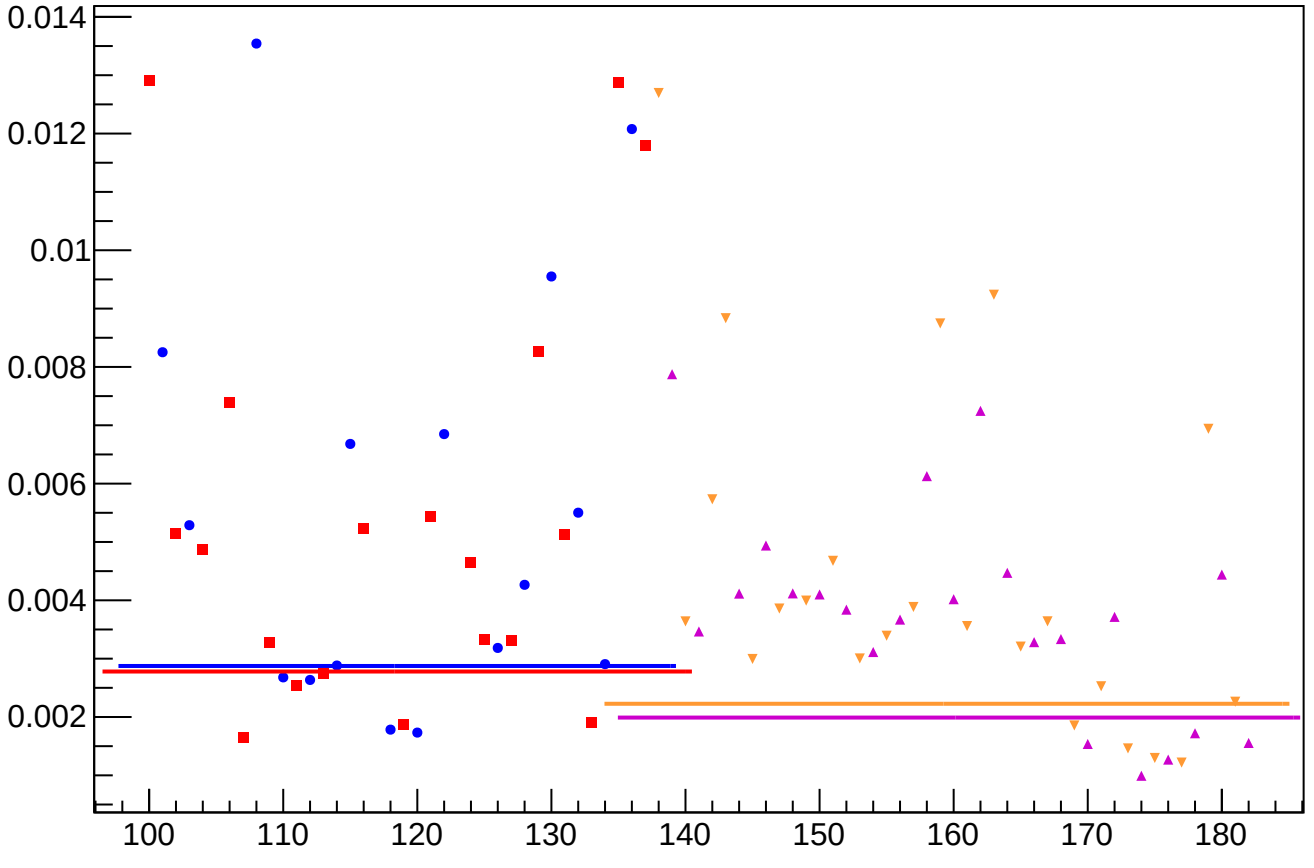
Left: -0.000+/-0.000 χ^2/NDF: 51.7/44

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:47.7/37

Out: -0.000+/-0.000 χ^2/NDF:47.3/41

All: -0.000+/-0.000 χ^2/NDF: 95.6/79



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:9759075.4/22

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:9384898.9/21

Left: 0.002+/-0.000 χ^2/NDF: 19292565.5/44

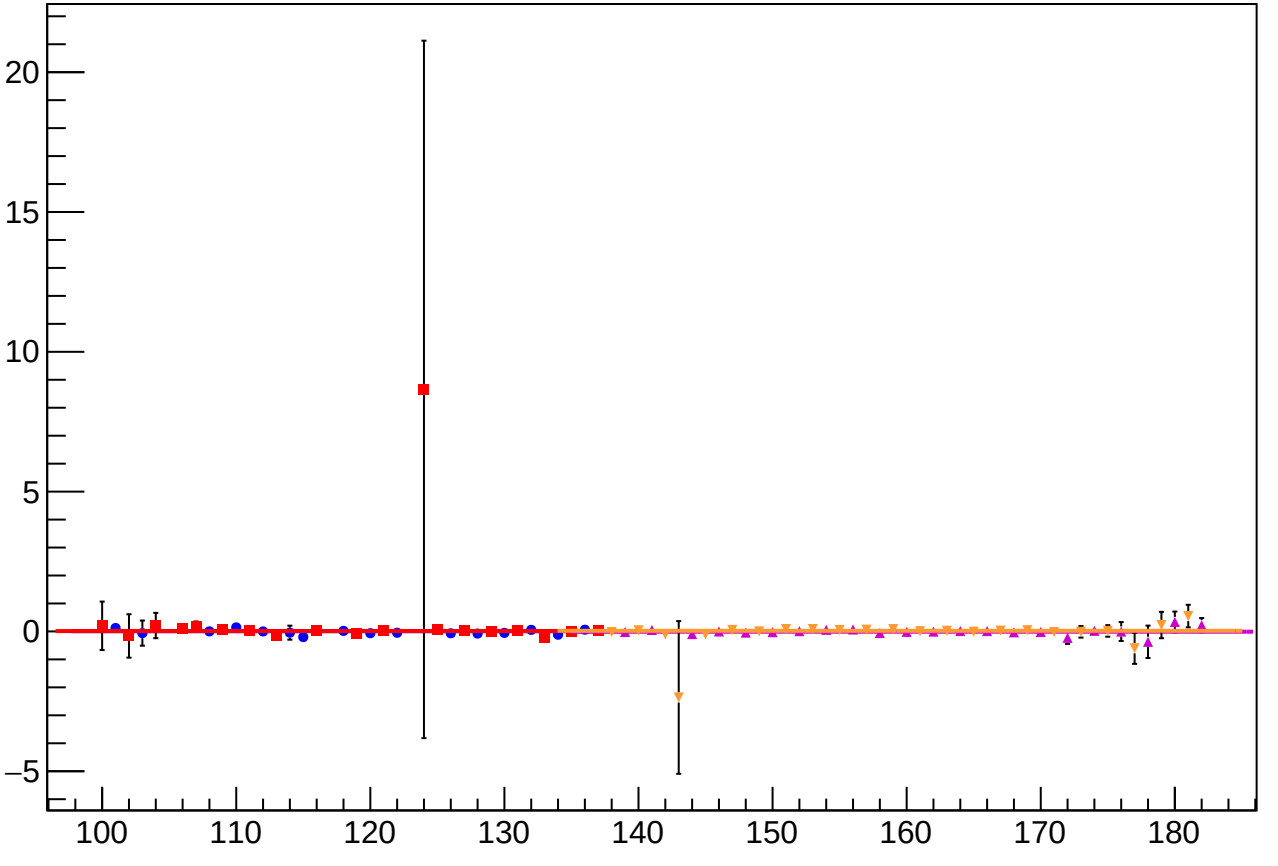
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:14297451.9/37

Out: 0.002+/-0.000 χ^2/NDF:13414637.1/41

All: 0.002+/-0.000 χ^2/NDF: 27856025.0/79

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:14.0/21

Left: 0.006+/-0.007 χ^2/NDF: 40.6/44

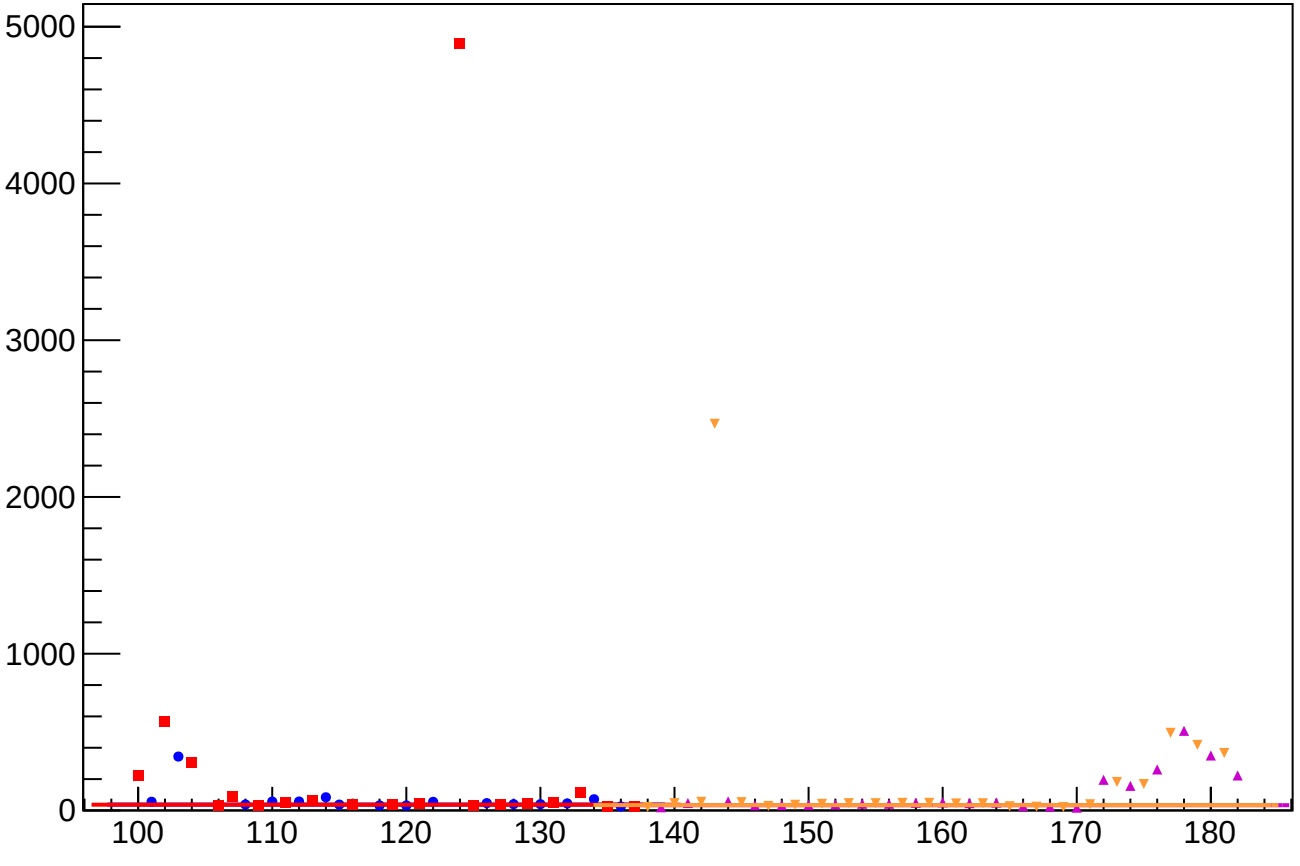
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:34.2/37

Out: 0.020+/-0.009 χ^2/NDF:34.1/41

All: 0.007+/-0.006 χ^2/NDF: 72.5/79

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: 34.215+/-0.007 χ^2/NDF:9907284.4/22

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.477+/-0.007 χ^2/NDF:9650053.2/21

Left: 33.836+/-0.005 χ^2/NDF: 19562685.7/44

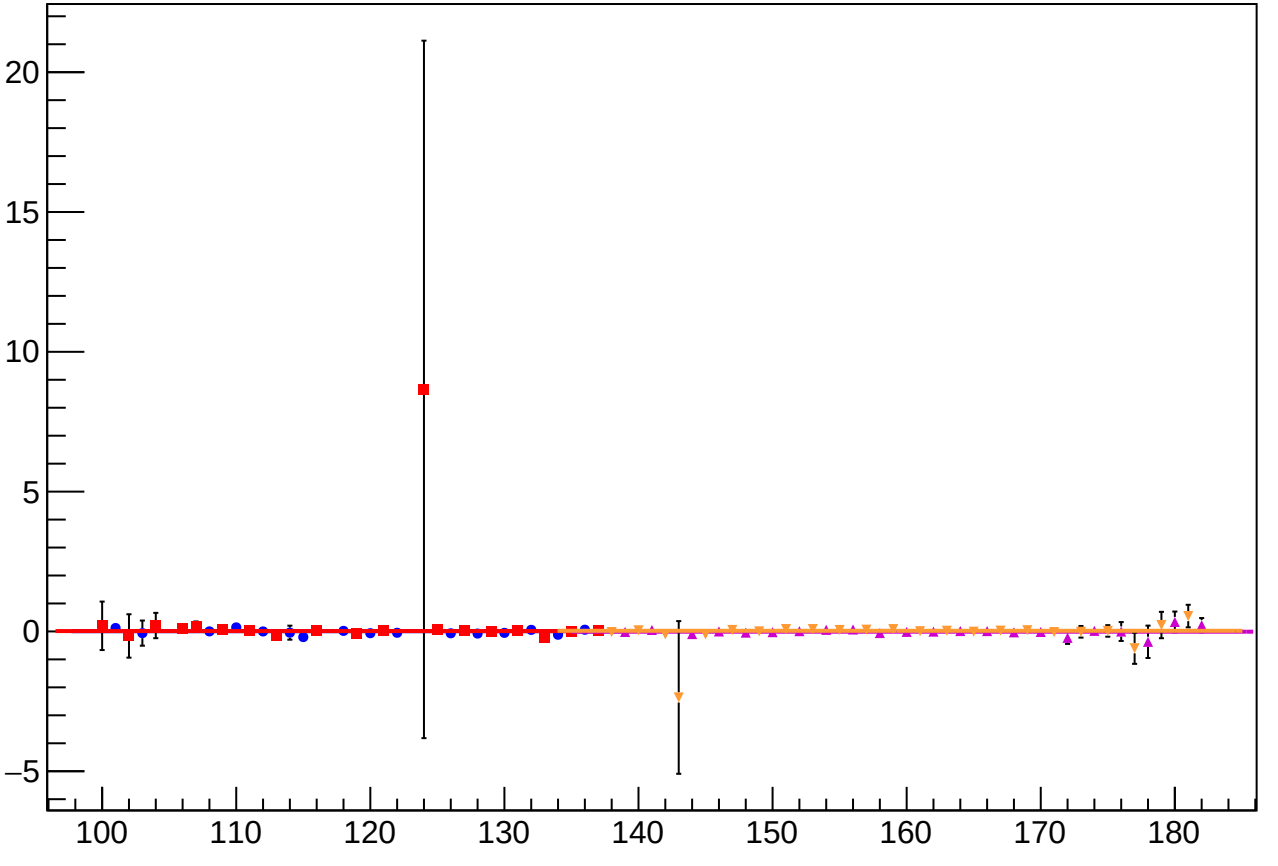
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.589+/-0.006 χ^2/NDF:11723574.9/37

Out: 34.915+/-0.006 χ^2/NDF:13131968.8/41

All: 34.747+/-0.004 χ^2/NDF: 24856989.9/79

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:14.0/21

Left: 0.006+/-0.007 χ^2/NDF: 40.6/44

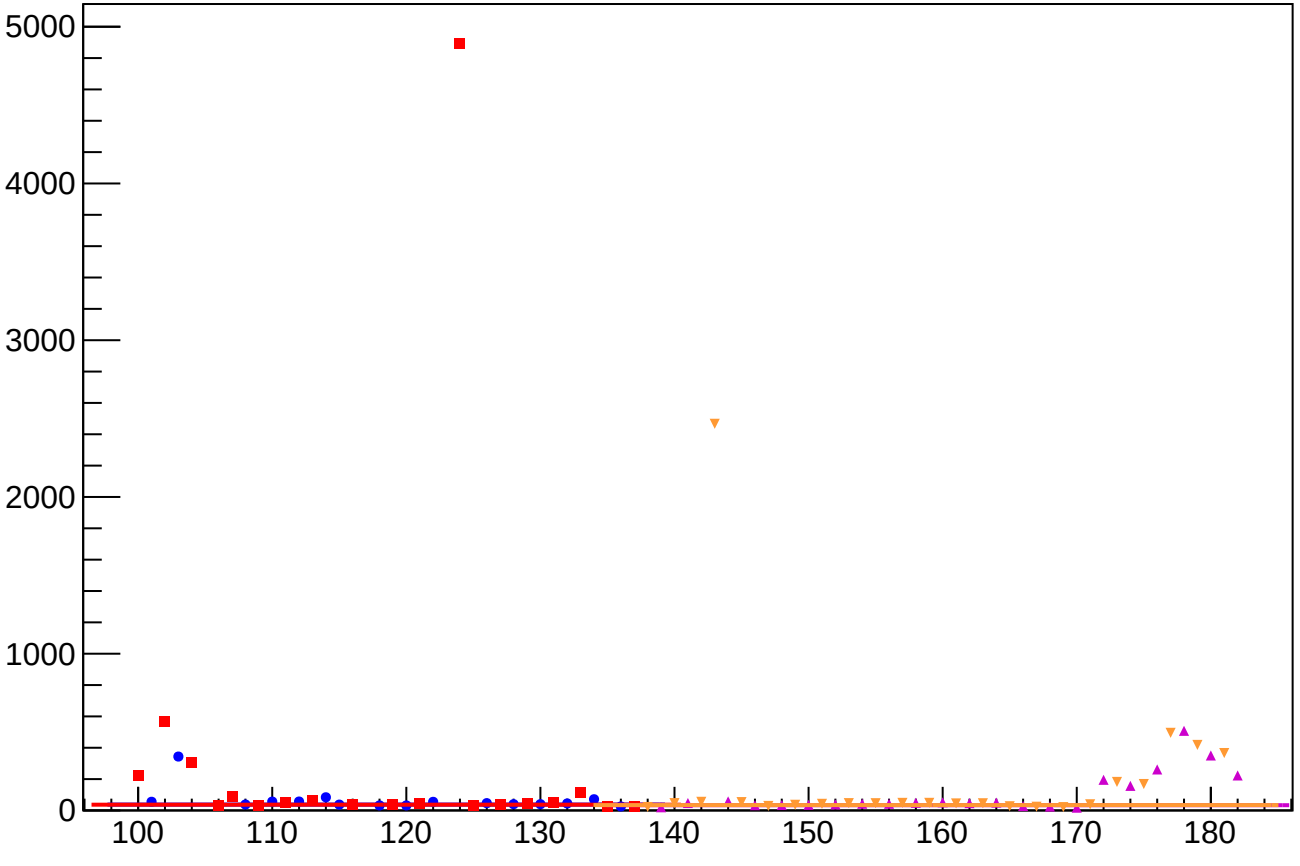
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:34.2/37

Out: 0.020+/-0.009 χ^2/NDF:34.1/41

All: 0.007+/-0.006 χ^2/NDF: 72.5/79

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: 34.215+/-0.007 χ^2/NDF:9907284.4/22

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.477+/-0.007 χ^2/NDF:9650053.2/21

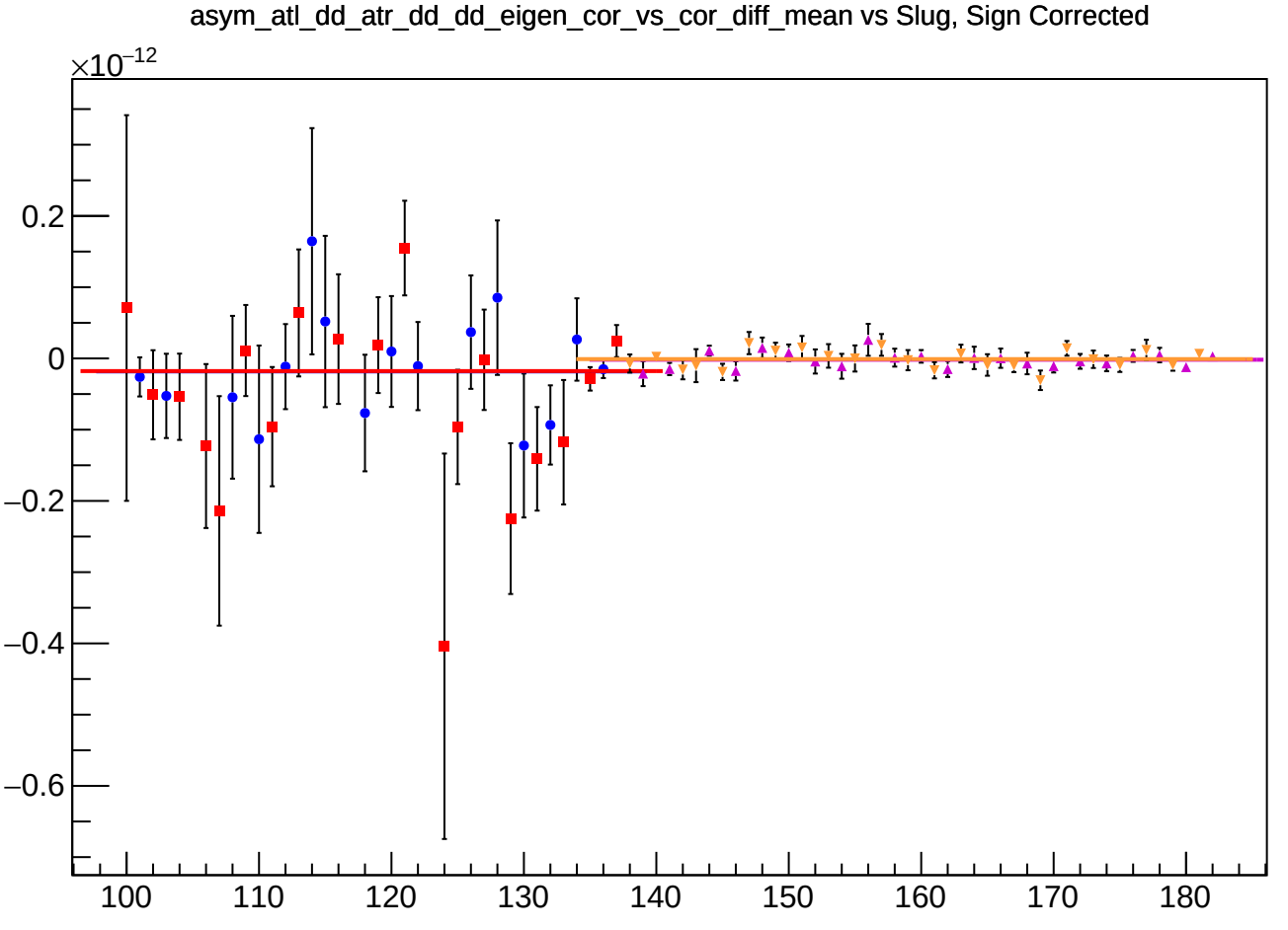
Left: 33.836+/-0.005 χ^2/NDF: 19562685.7/44

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.589+/-0.006 χ^2/NDF:11723574.9/37

Out: 34.915+/-0.006 χ^2/NDF:13131968.8/41

All: 34.747+/-0.004 χ^2/NDF: 24856989.9/79



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:19.5/21

Left: -0.000+/-0.000 χ^2/NDF: 44.2/44

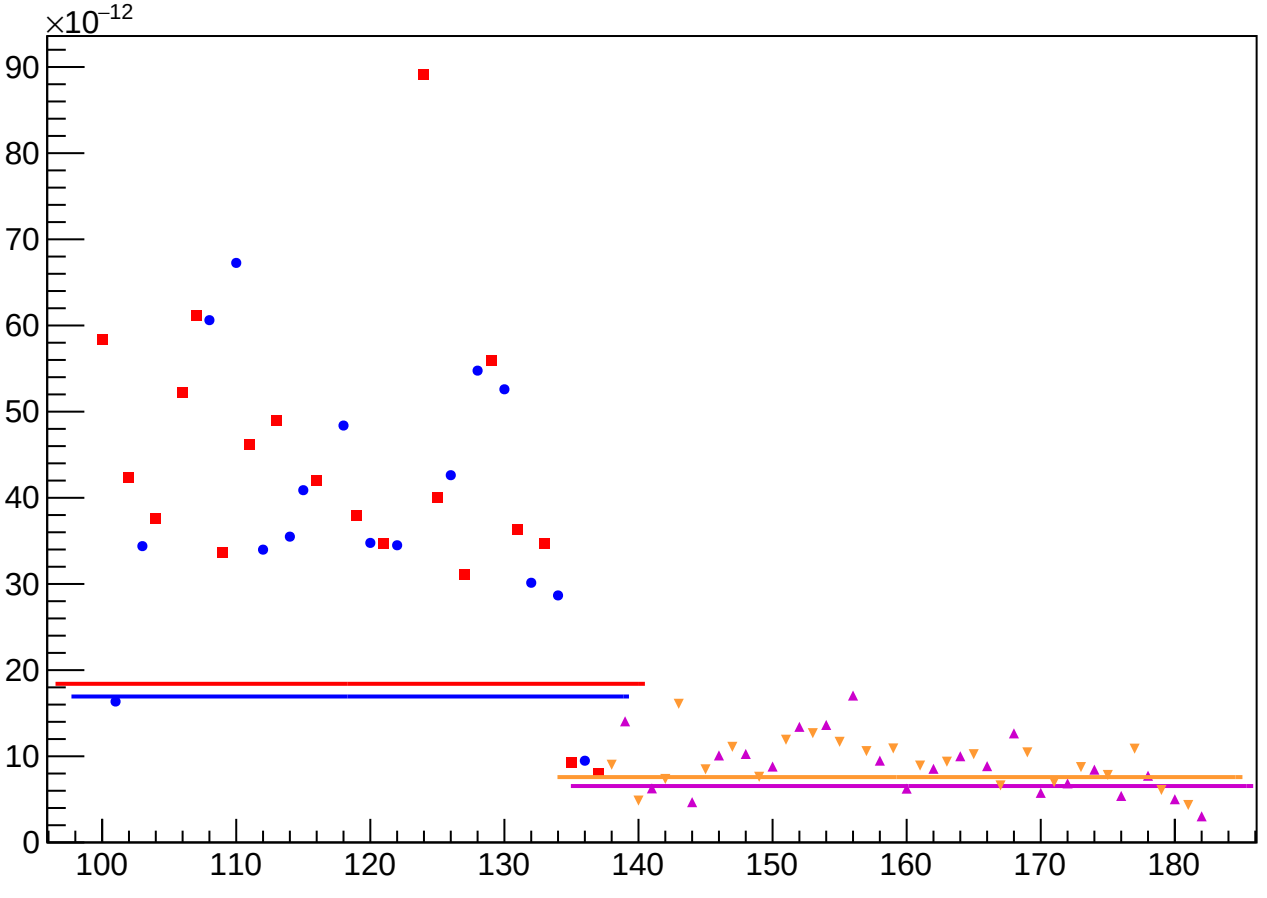
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:30.4/37

Out: -0.000+/-0.000 χ^2/NDF:54.2/41

All: -0.000+/-0.000 χ^2/NDF: 84.7/79

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2428877.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3961801.0/21

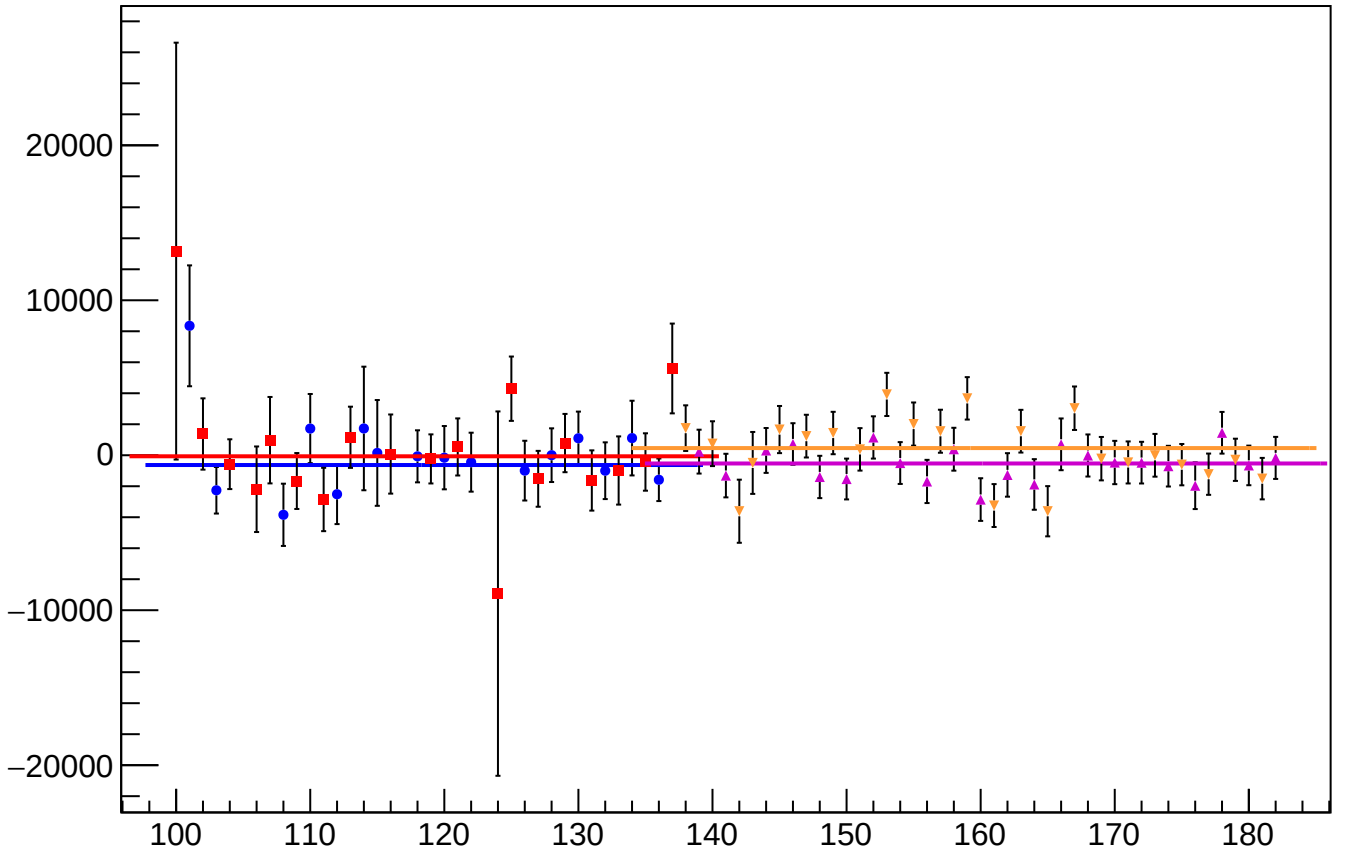
Left: 0.000+/-0.000 χ^2/NDF: 6610991.1/44

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:9271784.2/37

Out: 0.000+/-0.000 χ^2/NDF:7941328.7/41

All: 0.000+/-0.000 χ^2/NDF: 17447287.9/79



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.177+/-297.716 χ^2/NDF:43.0/22

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -531.379+/-296.419 χ^2/NDF:13.2/21

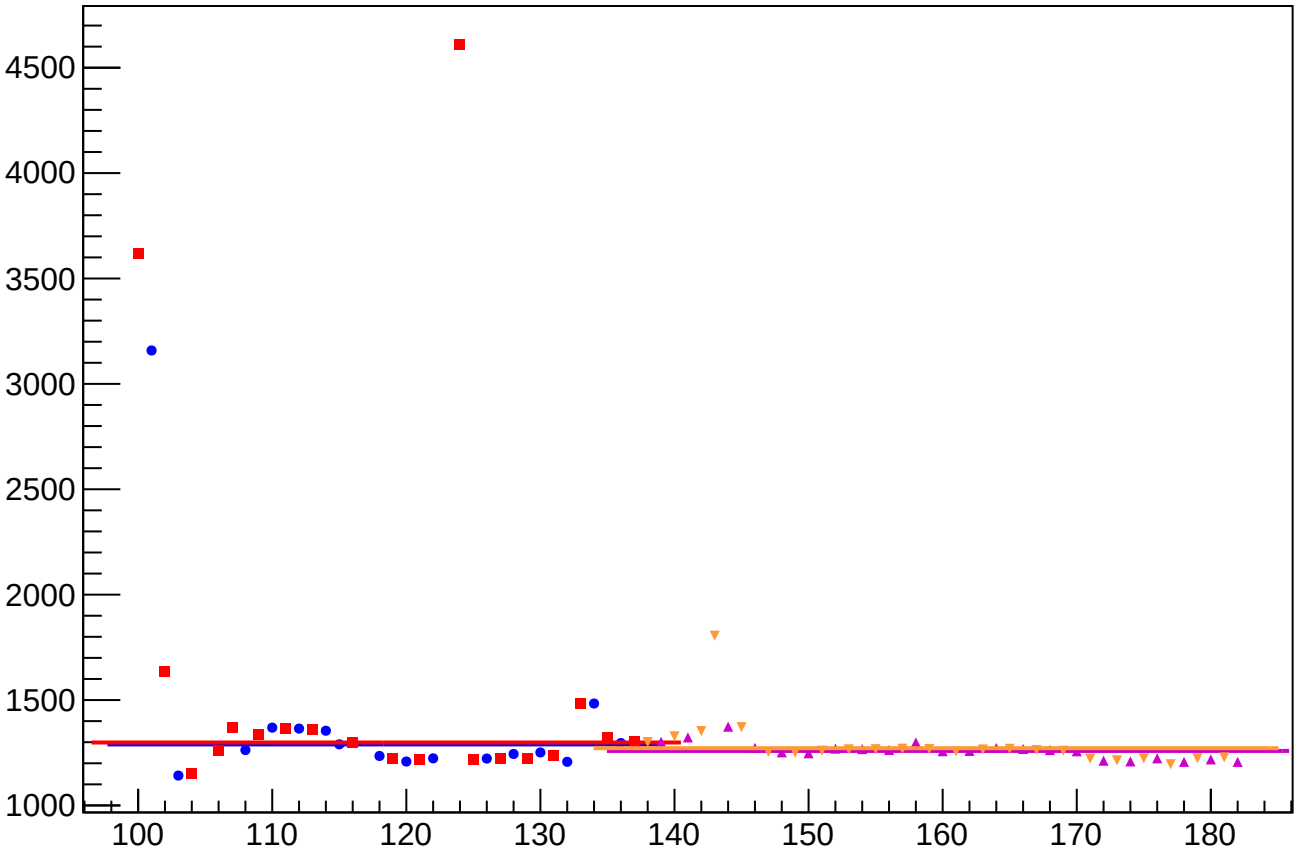
Left: -36.771+/-210.057 χ^2/NDF: 61.8/44

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -558.187+/-253.437 χ^2/NDF:27.1/37

Out: 318.367+/-254.119 χ^2/NDF:59.8/41

All: -121.088+/-179.448 χ^2/NDF: 92.8/79



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1271.558+/-0.211 χ^2/NDF:179720.0/22

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

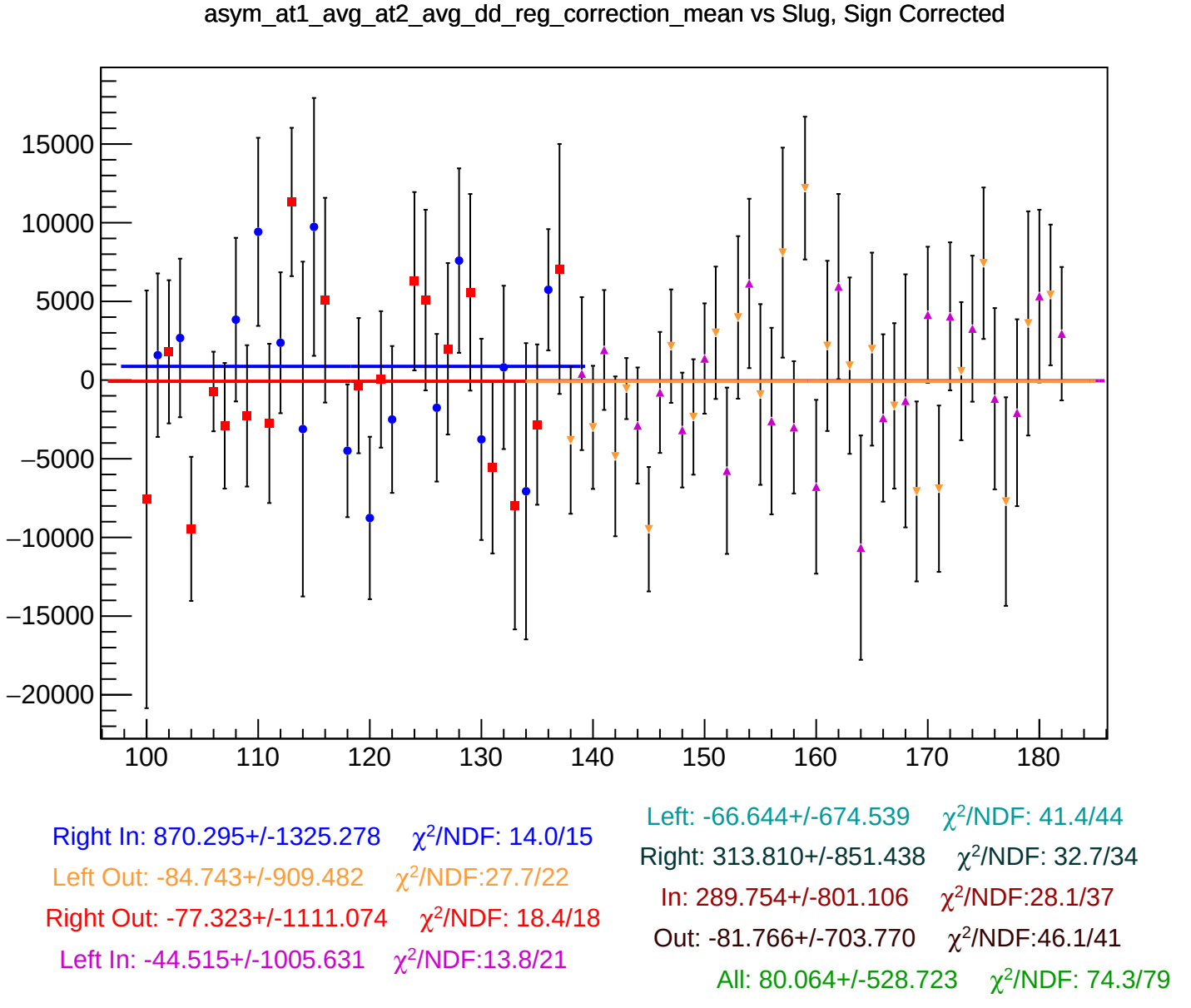
Left: 1265.035+/-0.149 χ^2/NDF: 217126.3/44

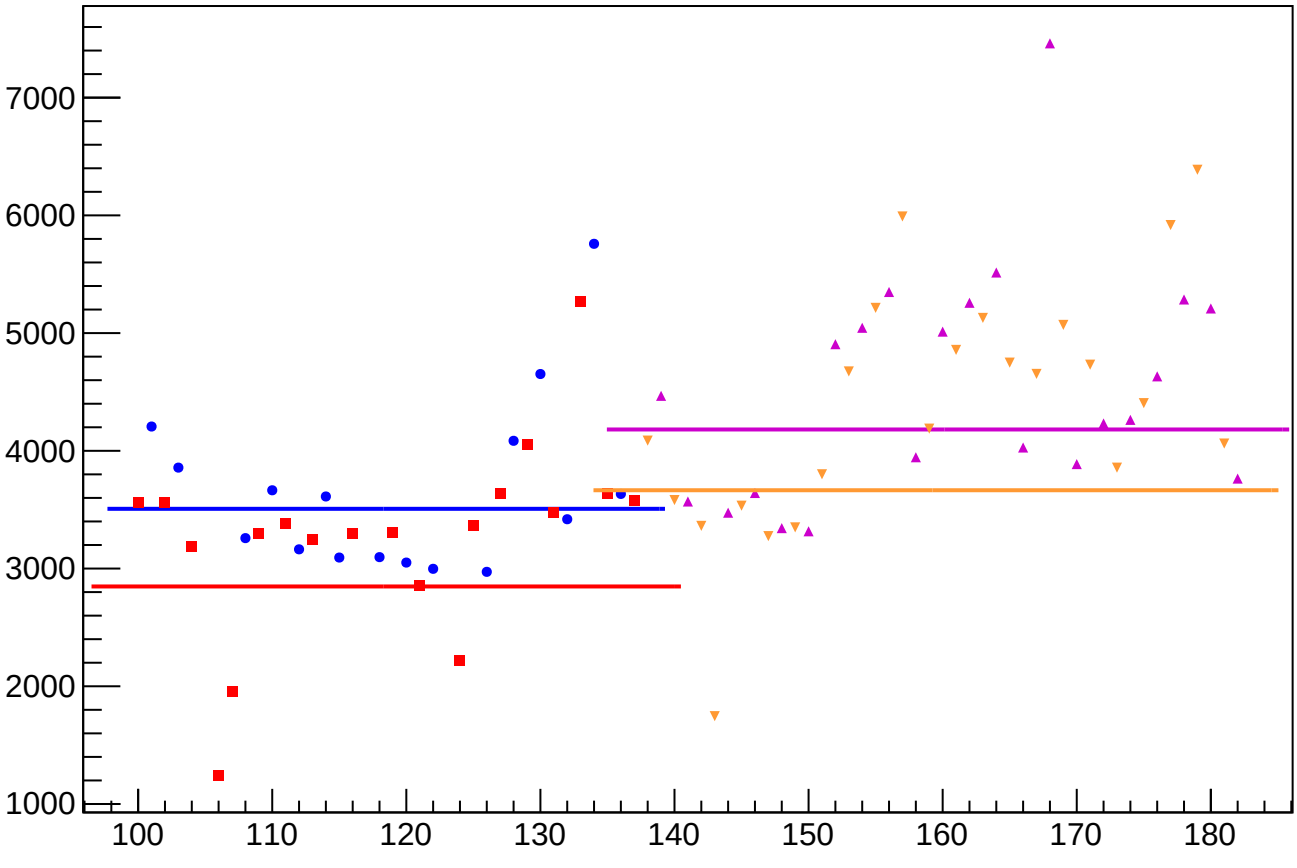
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1266.879+/-0.179 χ^2/NDF:556014.6/37

Out: 1278.941+/-0.180 χ^2/NDF:503609.3/41

All: 1272.898+/-0.127 χ^2/NDF: 1061884.6/79


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
170
180
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -84.743+/-909.482 χ²/NDF:27.7/22
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -44.515+/-1005.631 χ²/NDF:13.8/21
Left: -66.644+/-674.539 χ²/NDF: 41.4/44
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 289.754+/-801.106 χ²/NDF:28.1/37
Out: -81.766+/-703.770 χ²/NDF:46.1/41
All: 80.064+/-528.723 χ²/NDF: 74.3/79



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3665.168+/-0.643 χ^2/NDF:3675034.8/22

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4181.302+/-0.711 χ^2/NDF:1269136.5/21

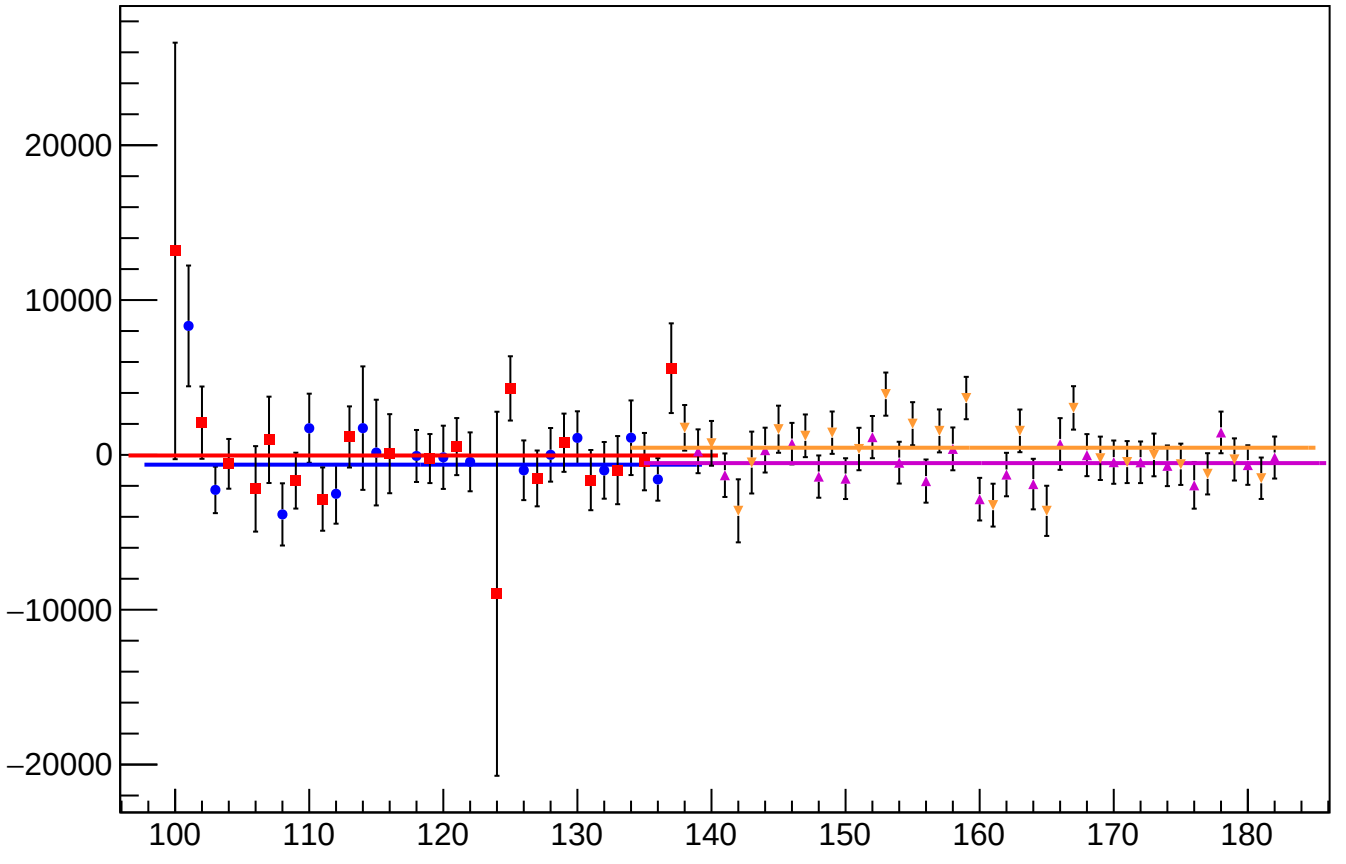
Left: 3897.388+/-0.477 χ^2/NDF: 5233973.9/44

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3935.059+/-0.566 χ^2/NDF:1951298.1/37

Out: 3337.243+/-0.498 χ^2/NDF:5822471.1/41

All: 3597.645+/-0.374 χ^2/NDF: 8402379.5/79



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.210+/-297.716 χ^2/NDF:43.0/22

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -531.298+/-296.419 χ^2/NDF:13.2/21

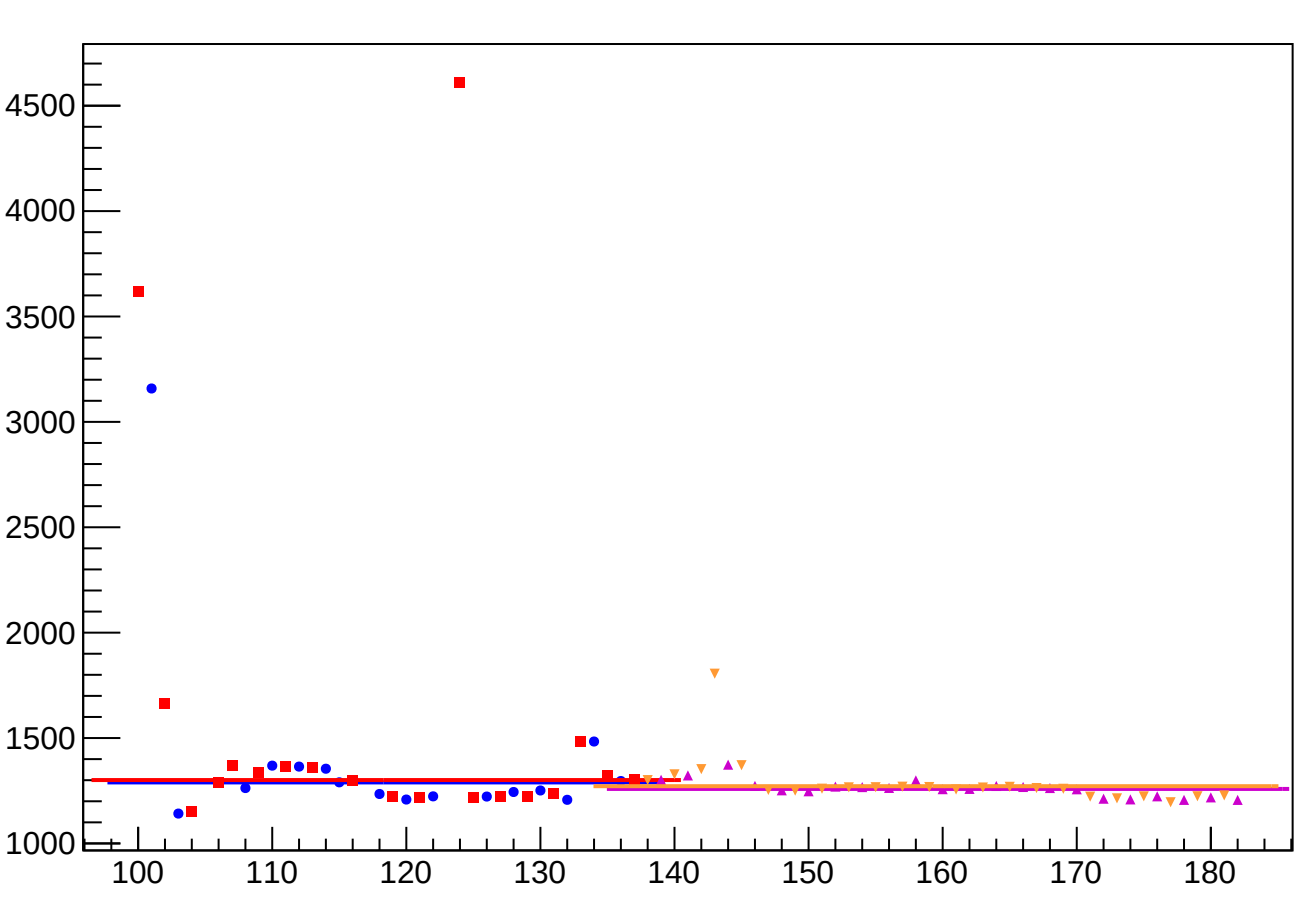
Left: -36.714+/-210.057 χ^2/NDF: 61.8/44

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -558.231+/-253.437 χ^2/NDF:27.1/37

Out: 326.399+/-254.165 χ^2/NDF:60.1/41

All: -117.185+/-179.464 χ^2/NDF: 93.3/79



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1271.558+/-0.211 χ^2/NDF:179720.0/22

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

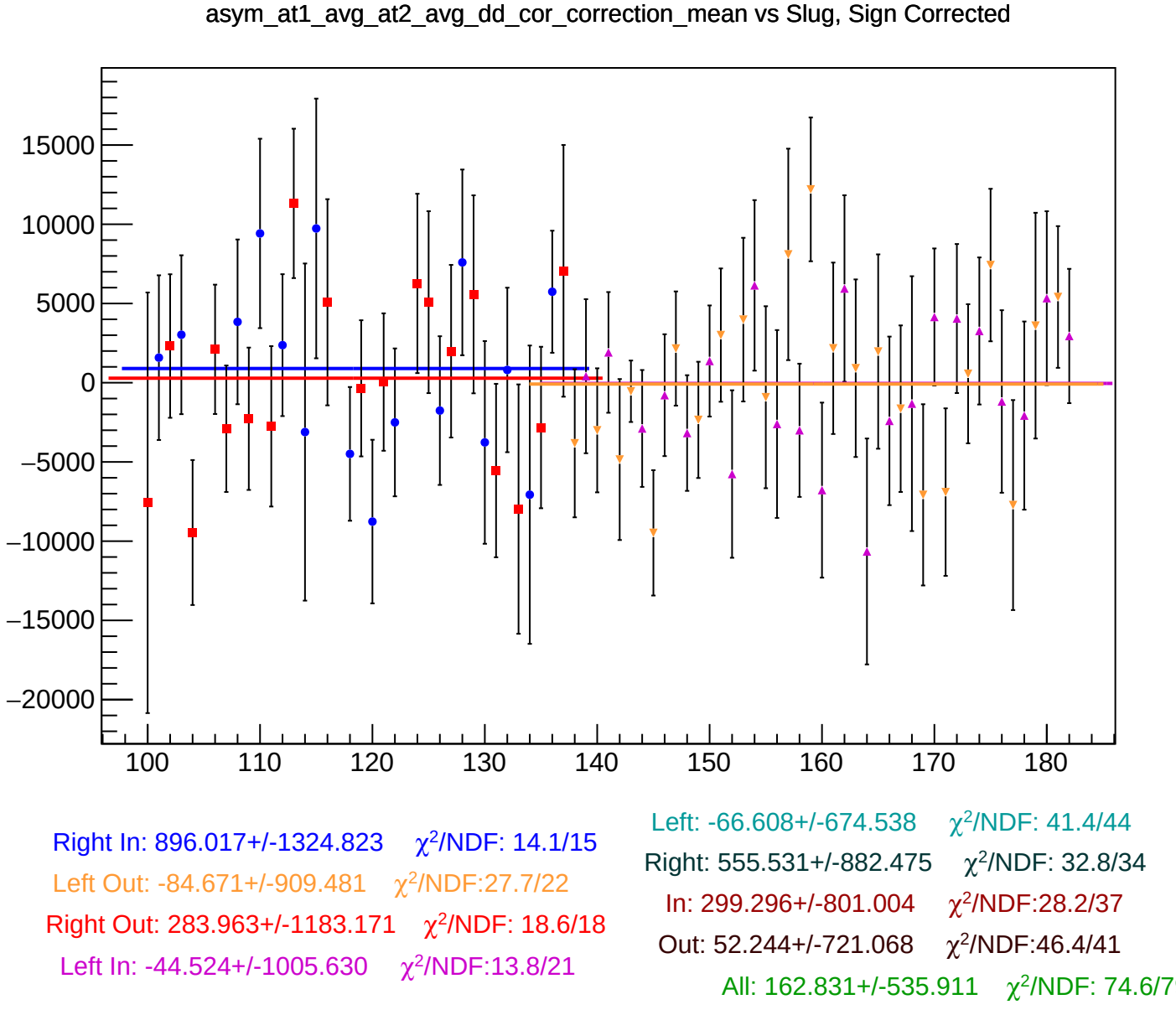
Left: 1265.035+/-0.149 χ^2/NDF: 217126.3/44

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.879+/-0.179 χ^2/NDF:556015.9/37

Out: 1279.478+/-0.180 χ^2/NDF:510832.3/41

All: 1273.163+/-0.127 χ^2/NDF: 1069313.6/79


asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected
15000
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−5000
−10000
−15000
−20000
100
110
120
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150
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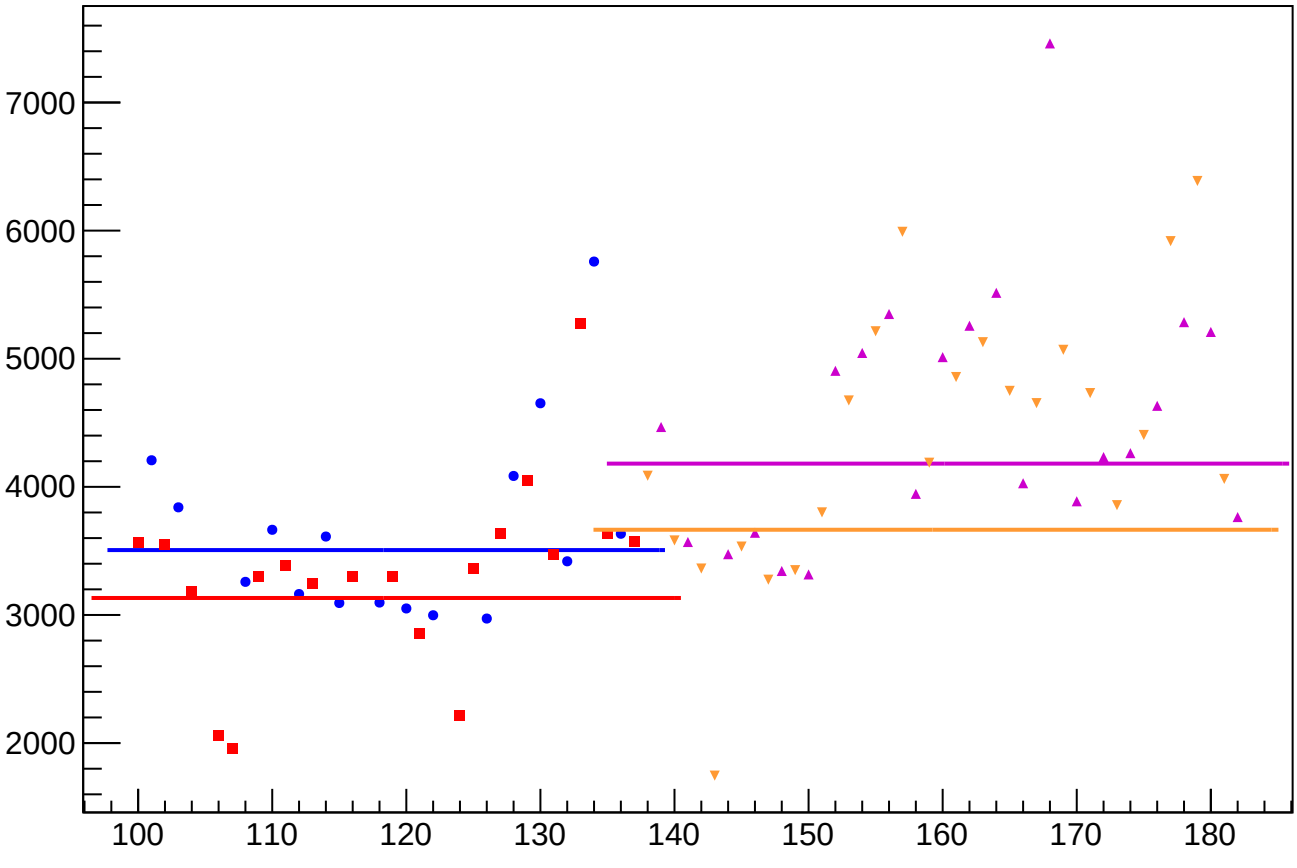
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -84.671+/-909.481 χ²/NDF:27.7/22
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -44.524+/-1005.630 χ²/NDF:13.8/21
Left: -66.608+/-674.538 χ²/NDF: 41.4/44
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 299.296+/-801.004 χ²/NDF:28.2/37
Out: 52.244+/-721.068 χ²/NDF:46.4/41
All: 162.831+/-535.911 χ²/NDF: 74.6/79



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3665.160+/-0.643 χ^2/NDF:3675073.2/22

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4181.297+/-0.711 χ^2/NDF:1269133.7/21

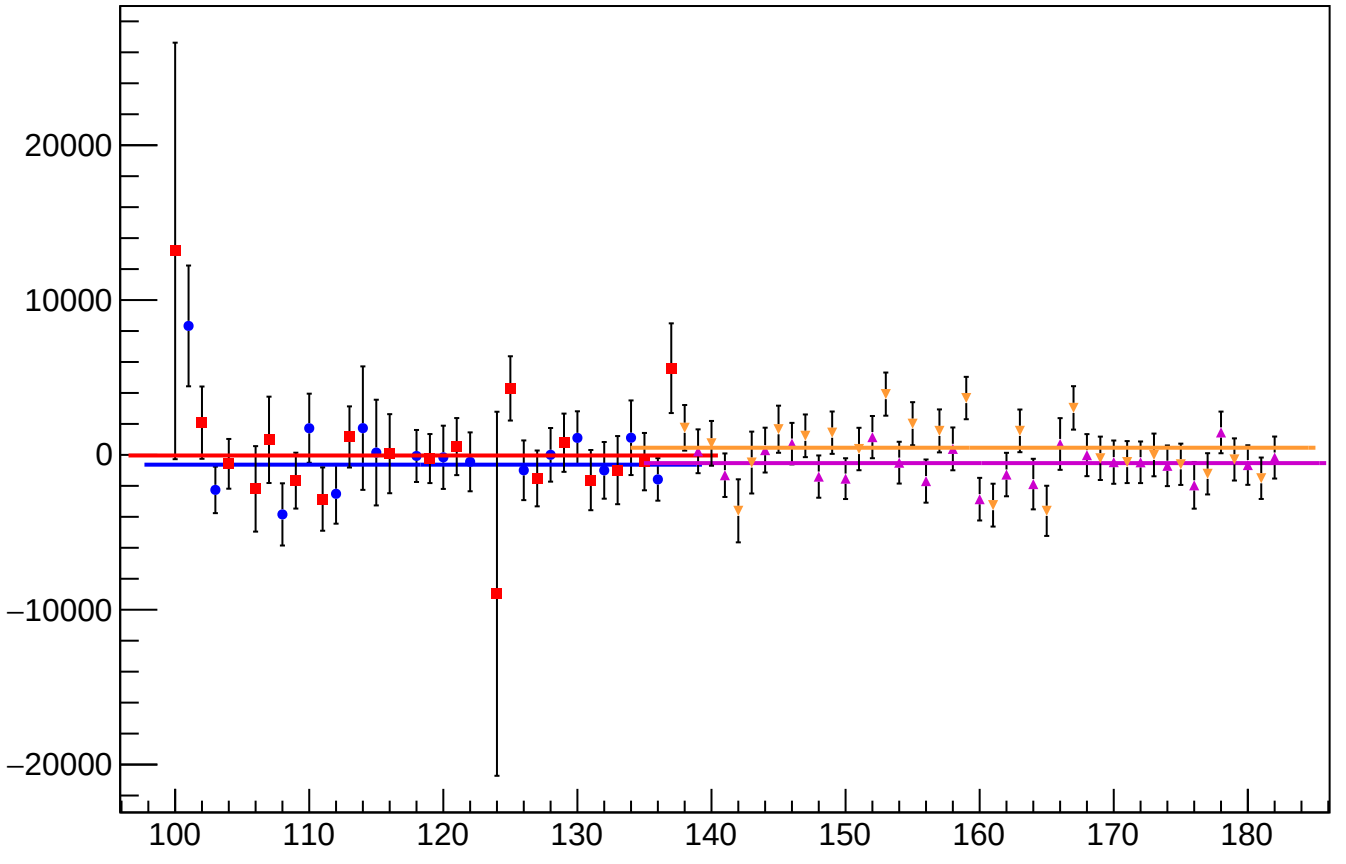
Left: 3897.381+/-0.477 χ^2/NDF: 5234013.6/44

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3934.615+/-0.566 χ^2/NDF:1951582.7/37

Out: 3467.355+/-0.510 χ^2/NDF:4579402.4/41

All: 3676.513+/-0.379 χ^2/NDF: 6906917.5/79



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.210+/-297.716 χ^2/NDF:43.0/22

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -531.298+/-296.419 χ^2/NDF:13.2/21

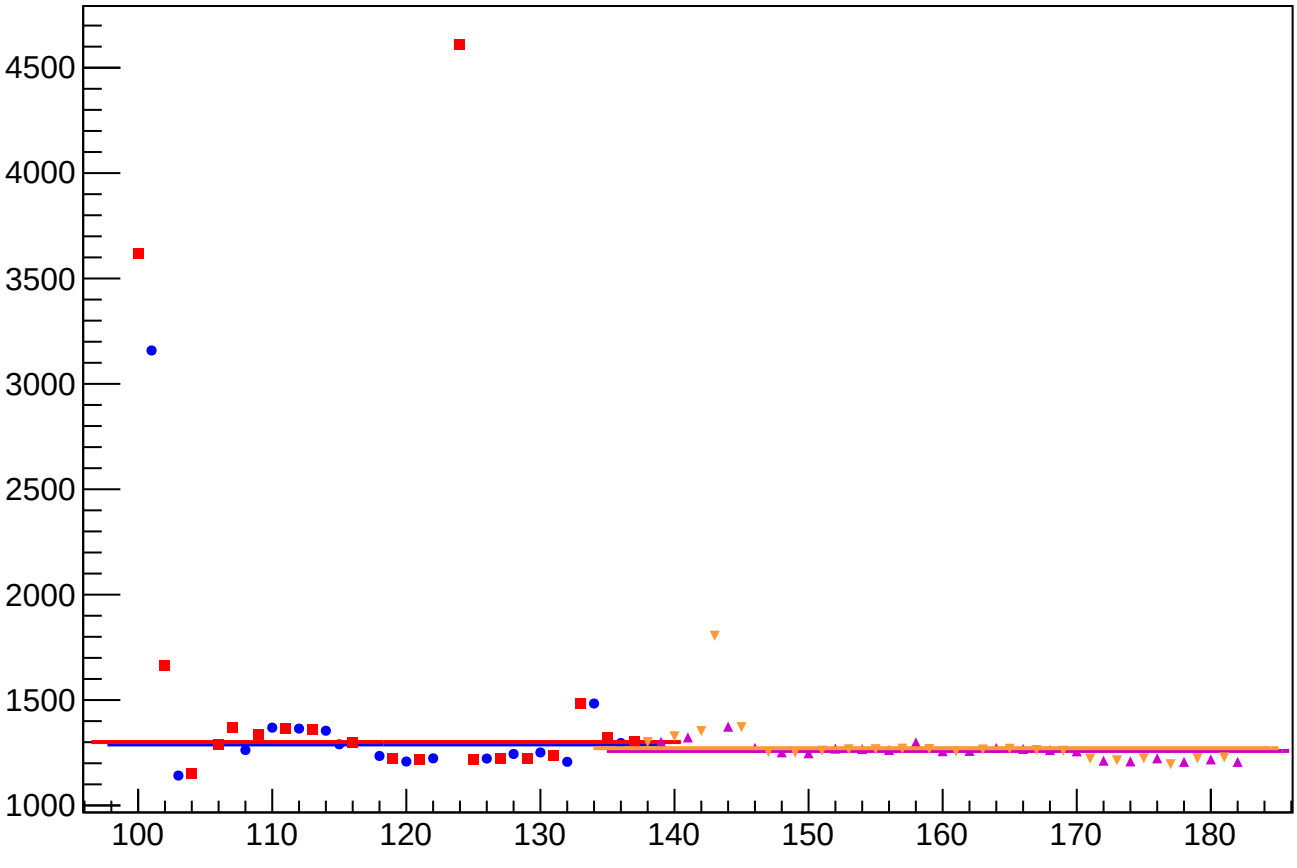
Left: -36.714+/-210.057 χ^2/NDF: 61.8/44

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -558.231+/-253.437 χ^2/NDF:27.1/37

Out: 326.399+/-254.165 χ^2/NDF:60.1/41

All: -117.185+/-179.464 χ^2/NDF: 93.3/79



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1271.558+/-0.211 χ^2/NDF:179720.0/22

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

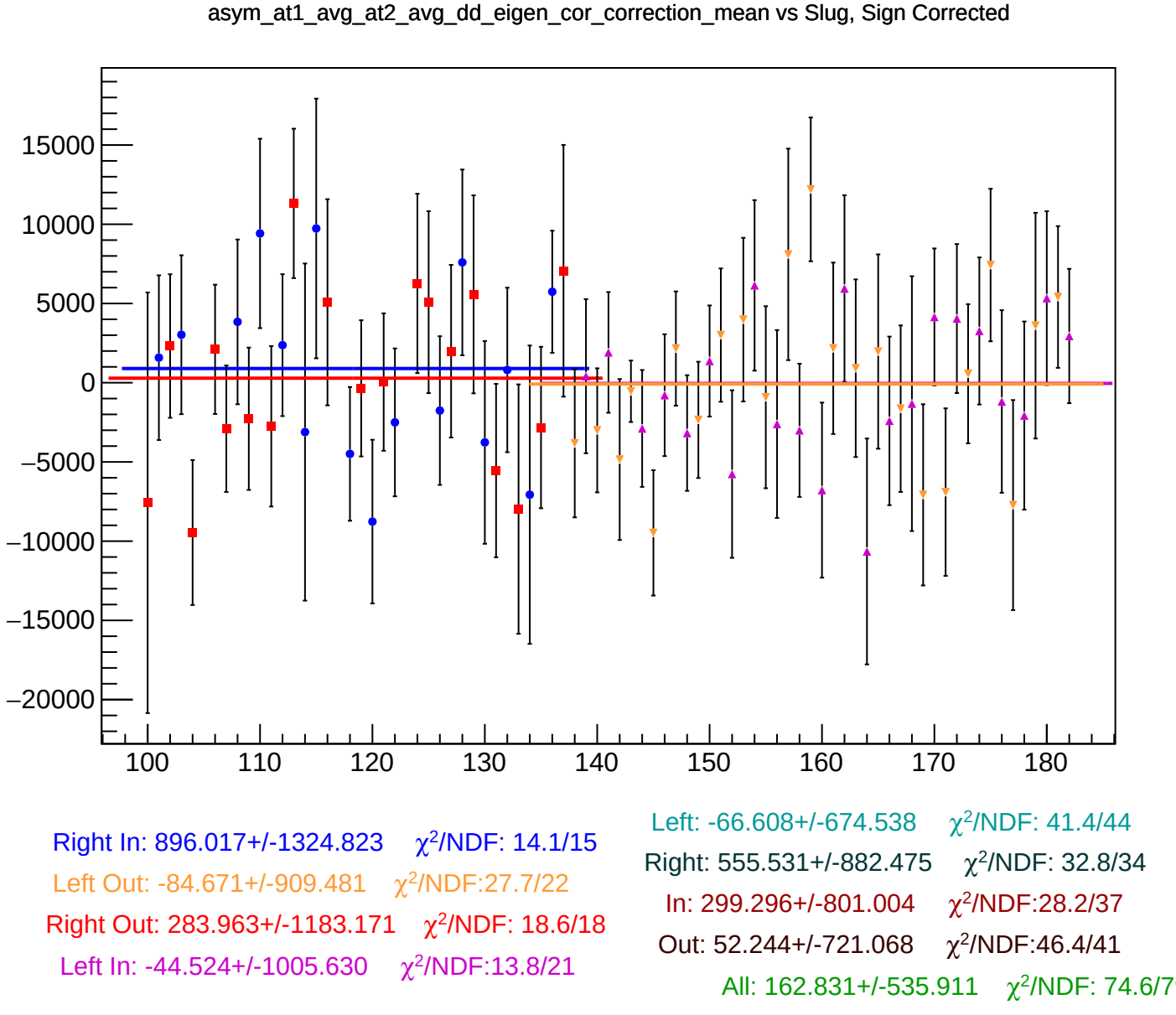
Left: 1265.035+/-0.149 χ^2/NDF: 217126.3/44

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.879+/-0.179 χ^2/NDF:556015.9/37

Out: 1279.478+/-0.180 χ^2/NDF:510832.3/41

All: 1273.163+/-0.127 χ^2/NDF: 1069313.6/79


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
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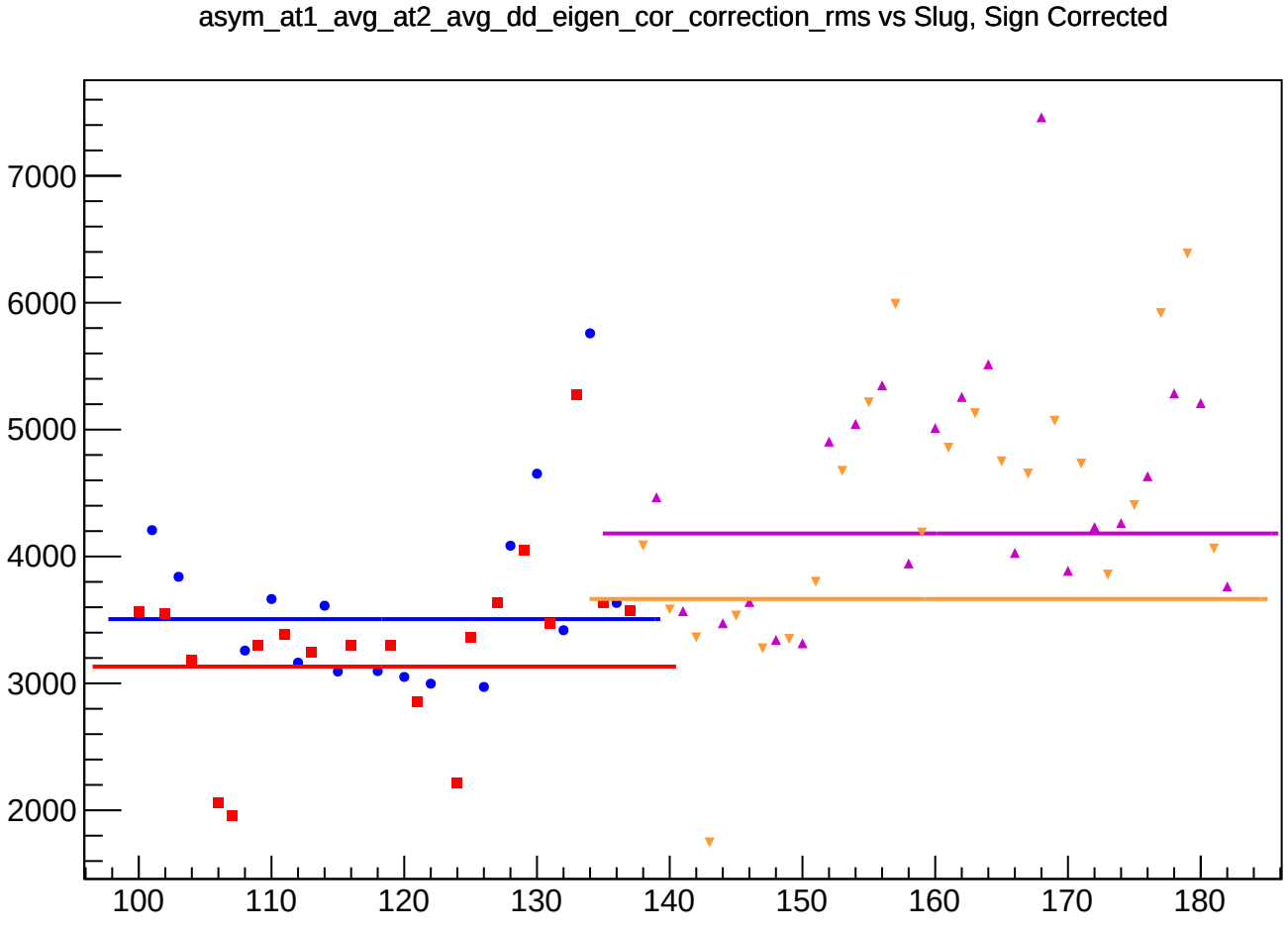
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -84.671+/-909.481 χ²/NDF:27.7/22
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -44.524+/-1005.630 χ²/NDF:13.8/21
Left: -66.608+/-674.538 χ²/NDF: 41.4/44
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 299.296+/-801.004 χ²/NDF:28.2/37
Out: 52.244+/-721.068 χ²/NDF:46.4/41
All: 162.831+/-535.911 χ²/NDF: 74.6/79


asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
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2000
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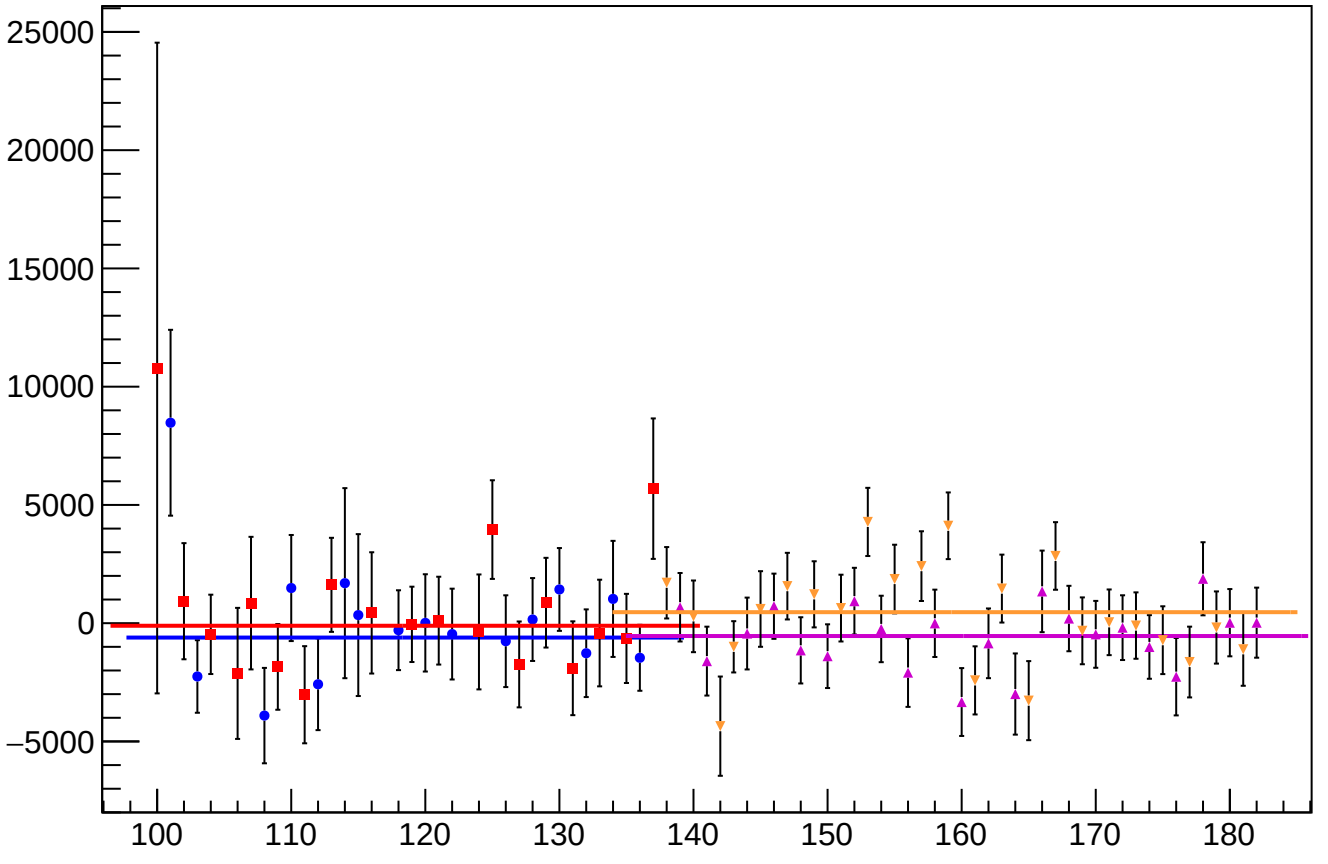
150
160
170
180
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3665.160+/-0.643 χ²/NDF:3675073.2/22
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4181.297+/-0.711 χ²/NDF:1269133.7/21
Left: 3897.381+/-0.477 χ²/NDF: 5234013.6/44
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3934.615+/-0.566 χ²/NDF:1951582.7/37
Out: 3467.355+/-0.510 χ²/NDF:4579402.4/41
All: 3676.513+/-0.379 χ²/NDF: 6906917.5/79



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 465.770+/-302.813 χ^2/NDF:41.8/22

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -542.806+/-309.764 χ^2/NDF:16.5/21

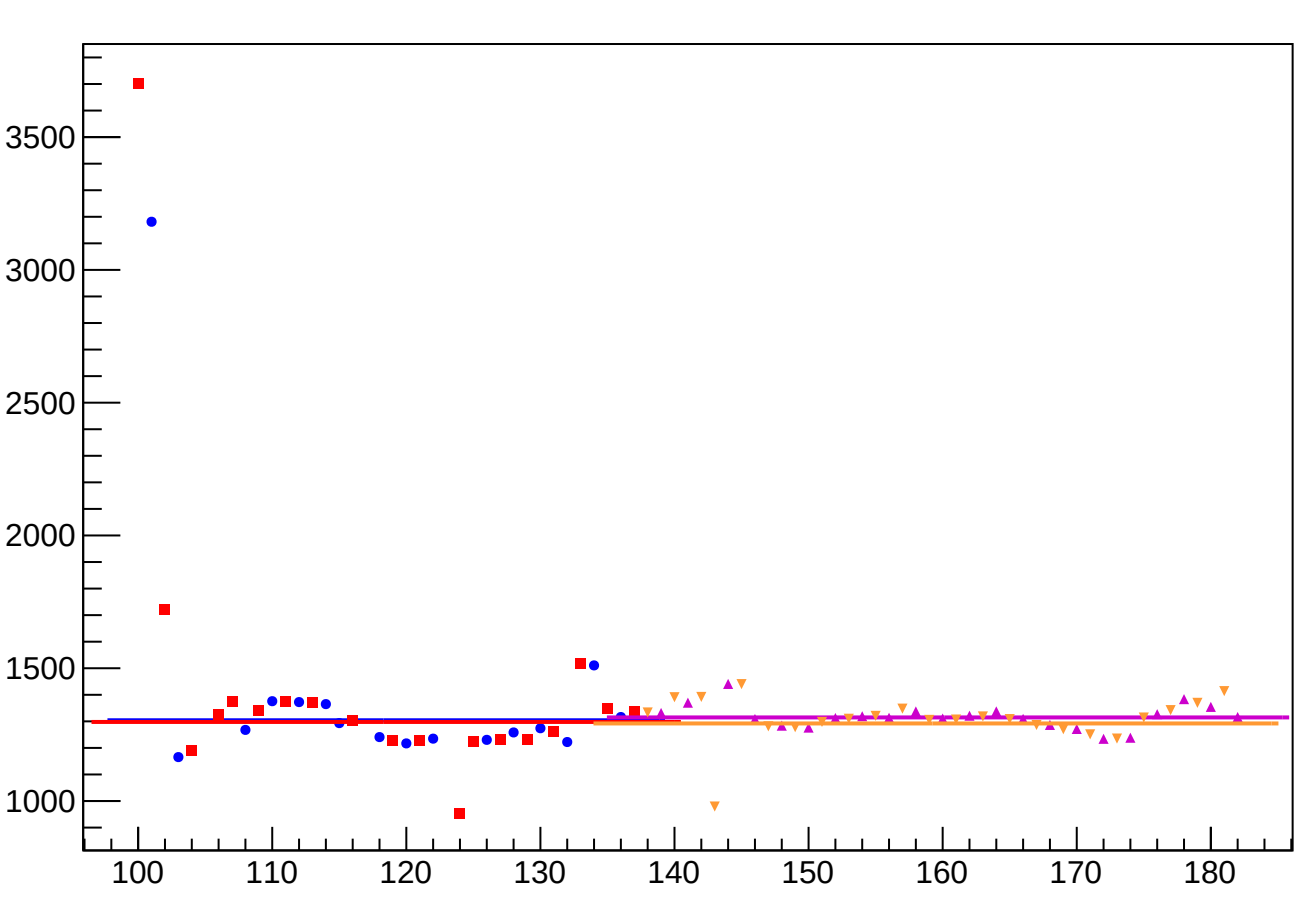
Left: -27.076+/-216.537 χ^2/NDF: 63.7/44

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -561.148+/-262.464 χ^2/NDF:30.6/37

Out: 304.929+/-256.941 χ^2/NDF:57.7/41

All: -118.902+/-183.606 χ^2/NDF: 93.9/79



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1292.099+/-0.214 χ^2/NDF:229751.7/22

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.793+/-0.219 χ^2/NDF:42303.0/21

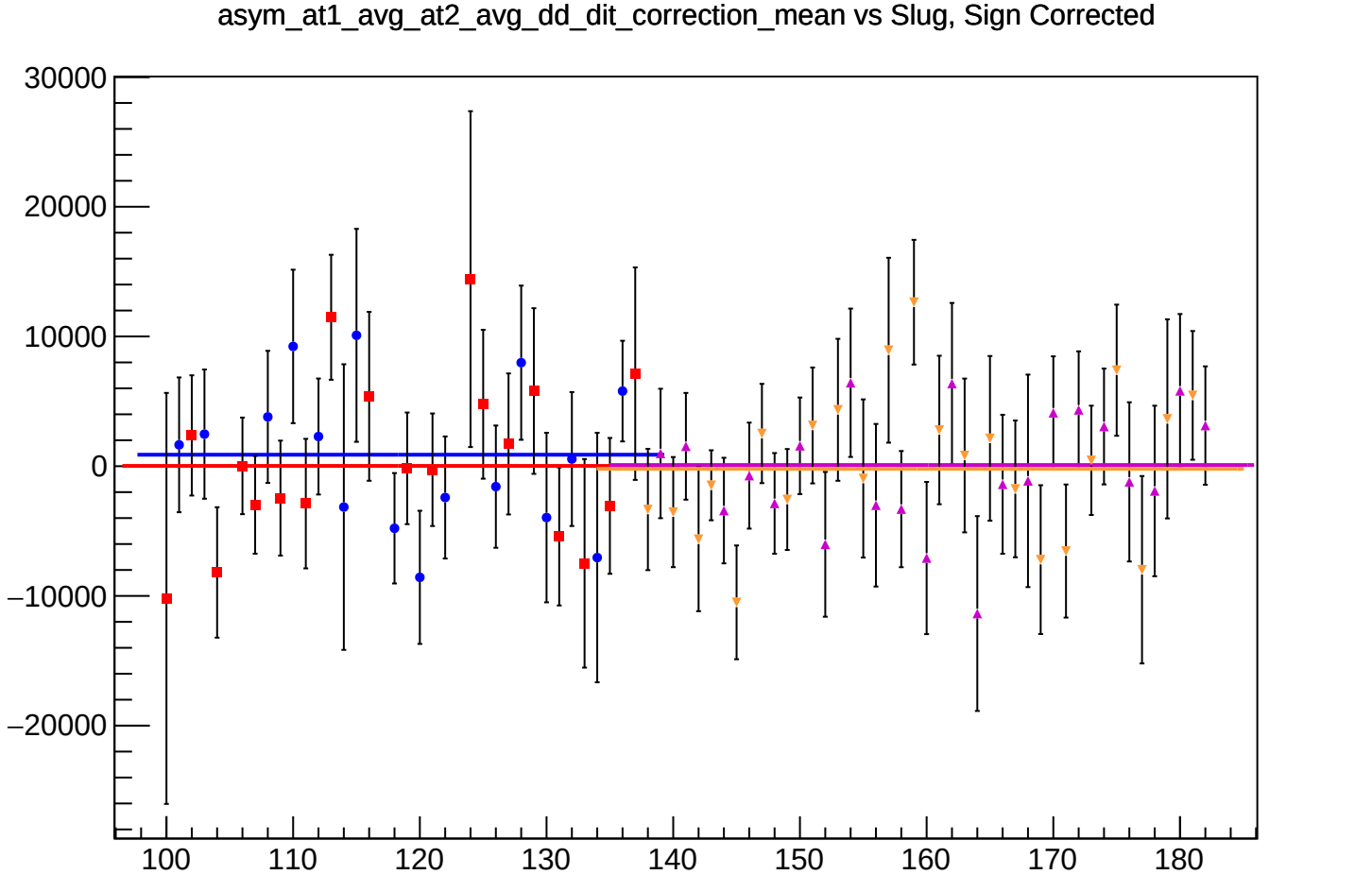
Left: 1303.189+/-0.153 χ^2/NDF: 277543.7/44

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1311.777+/-0.186 χ^2/NDF:553564.3/37

Out: 1293.696+/-0.182 χ^2/NDF:443047.0/41

All: 1302.543+/-0.130 χ^2/NDF: 1001459.2/79



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -201.438+/-1004.291 χ^2/NDF:27.2/22

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 89.972+/-1055.954 χ^2/NDF:13.6/21

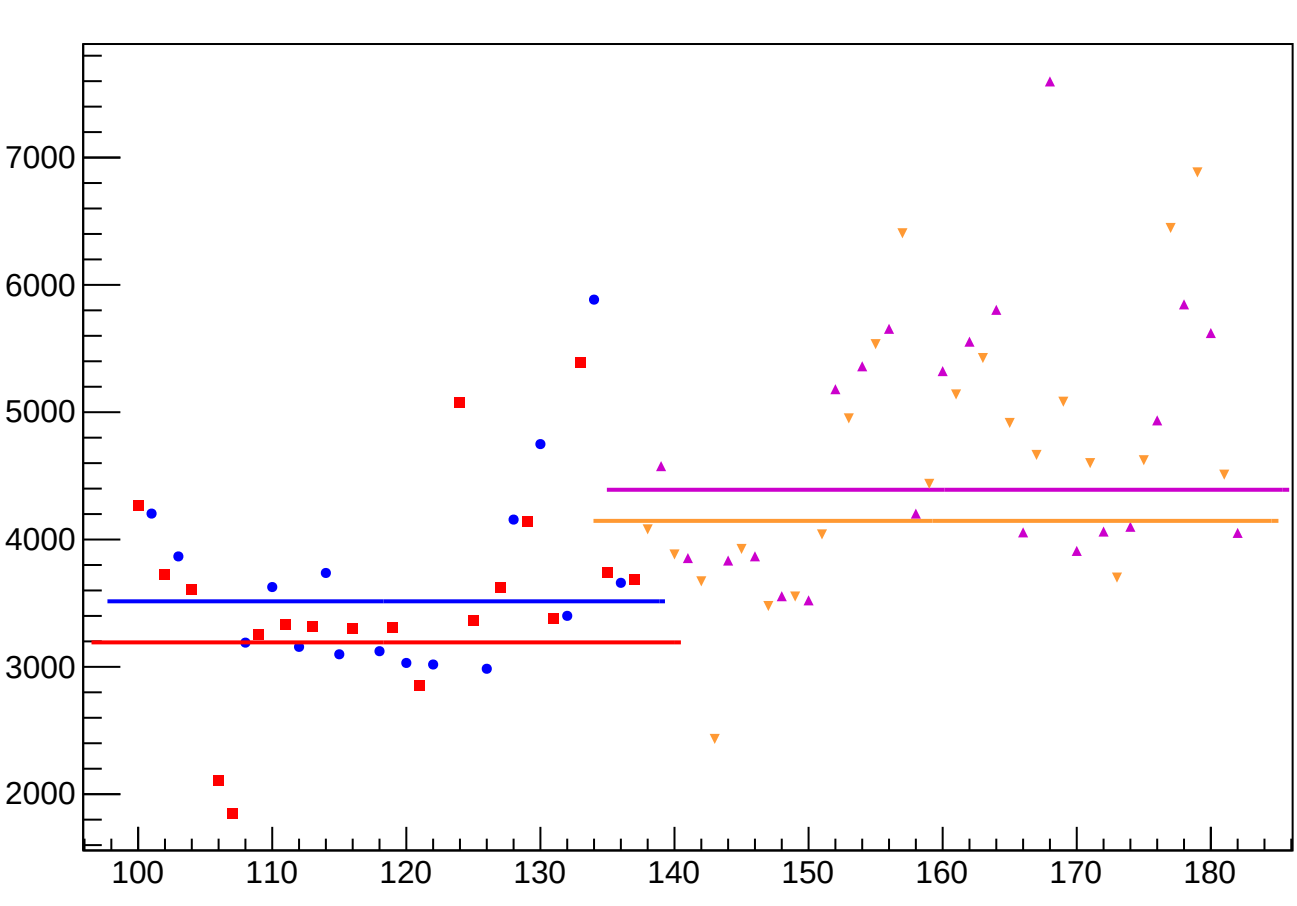
Left: -63.036+/-727.720 χ^2/NDF: 40.8/44

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 397.733+/-826.370 χ^2/NDF:27.9/37

Out: -109.946+/-770.166 χ^2/NDF:44.1/41

All: 126.043+/-563.412 χ^2/NDF: 72.2/79



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4146.558+/-0.710 χ^2/NDF:2077011.7/22

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4390.854+/-0.747 χ^2/NDF:1251583.3/21

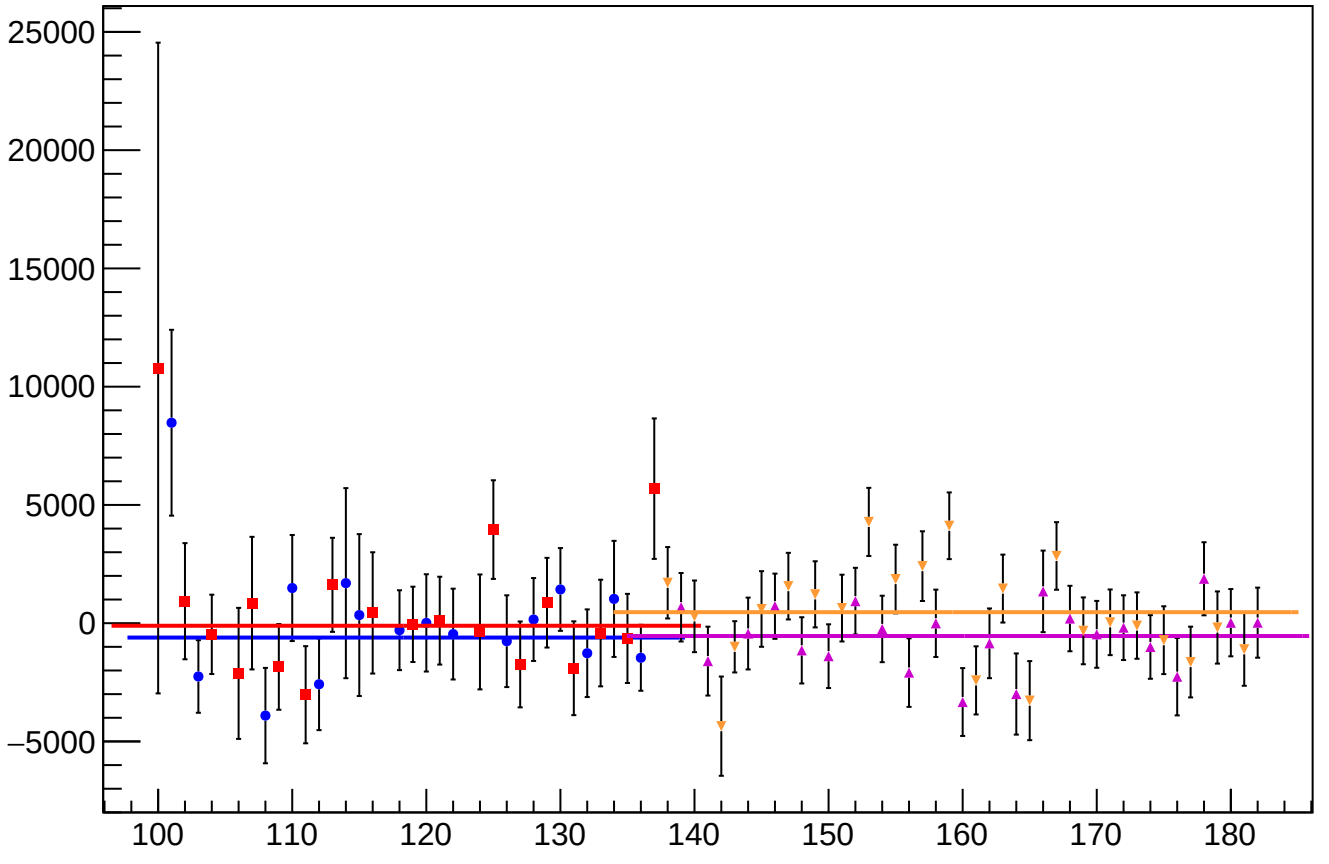
Left: 4262.584+/-0.515 χ^2/NDF: 3384801.1/44

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4051.304+/-0.584 χ^2/NDF:2160245.0/37

Out: 3753.456+/-0.545 χ^2/NDF:3593425.4/41

All: 3891.908+/-0.398 χ^2/NDF: 5892714.7/79



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 465.773+/-302.814 χ^2/NDF:41.8/22

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -542.806+/-309.764 χ^2/NDF:16.5/21

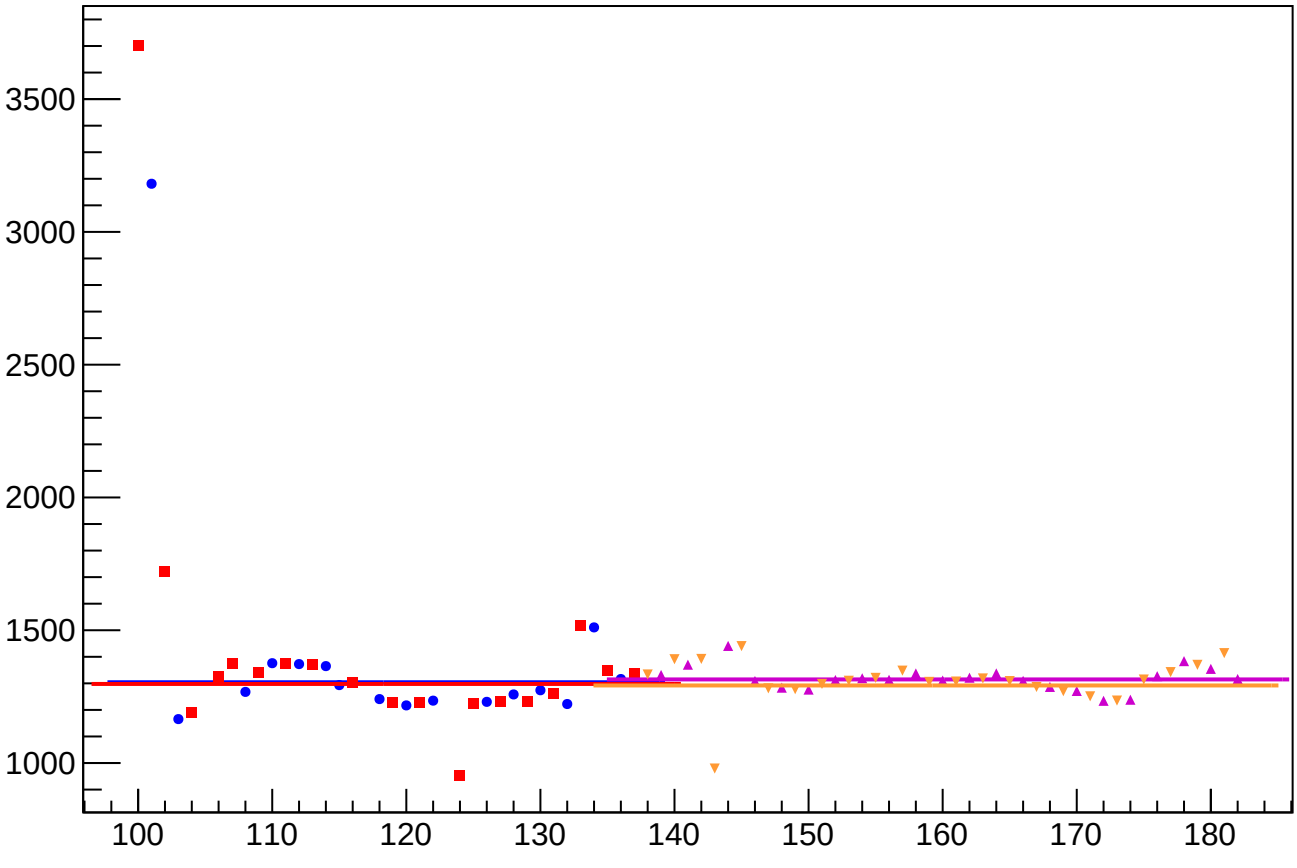
Left: -27.075+/-216.537 χ^2/NDF: 63.7/44

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -561.149+/-262.464 χ^2/NDF:30.6/37

Out: 304.929+/-256.942 χ^2/NDF:57.7/41

All: -118.902+/-183.607 χ^2/NDF: 93.9/79



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1292.100+/-0.214 χ^2/NDF:229754.2/22

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.794+/-0.219 χ^2/NDF:42305.1/21

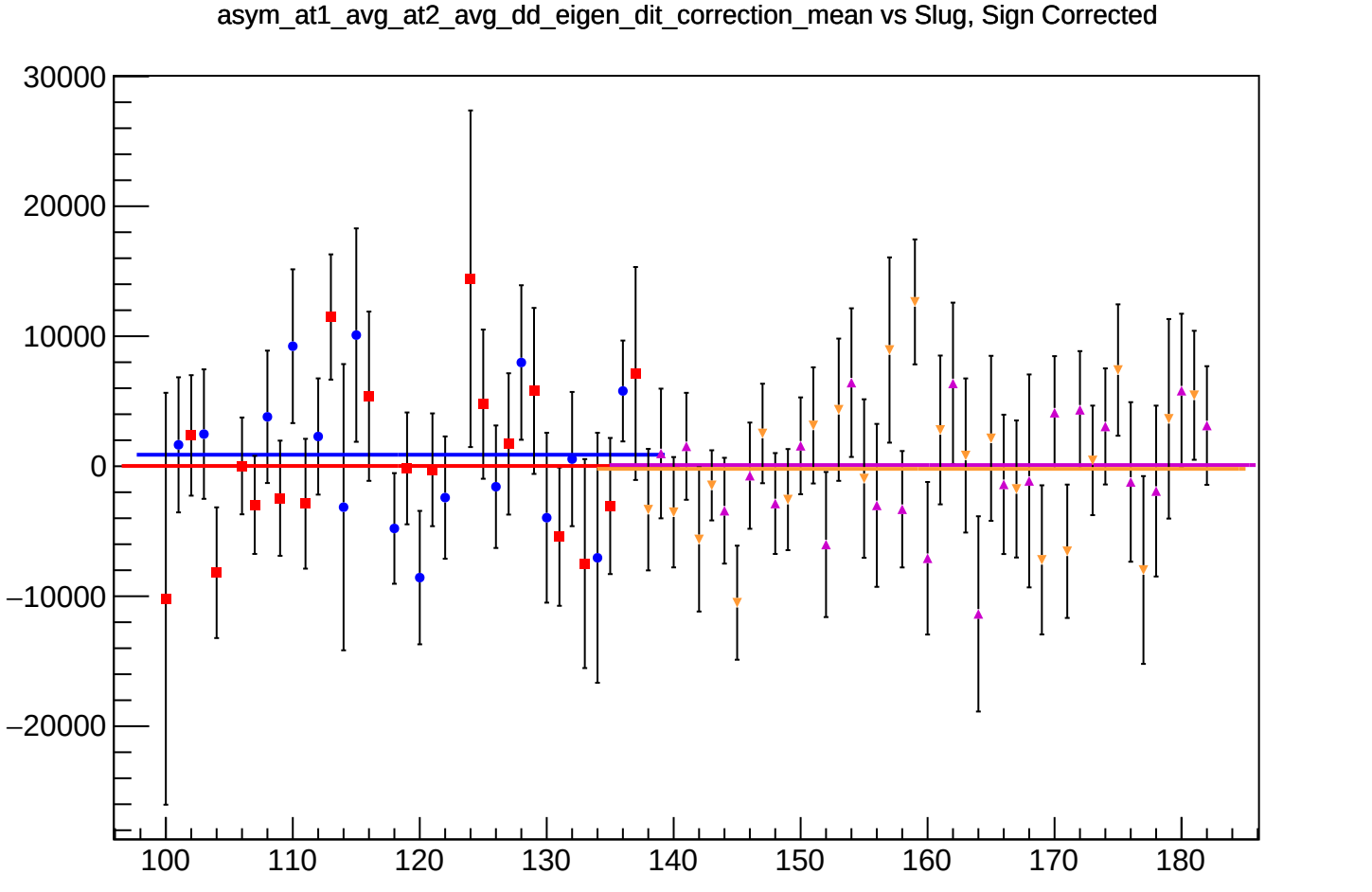
Left: 1303.190+/-0.153 χ^2/NDF: 277548.4/44

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1311.778+/-0.186 χ^2/NDF:553566.8/37

Out: 1293.697+/-0.182 χ^2/NDF:443049.5/41

All: 1302.544+/-0.130 χ^2/NDF: 1001464.2/79



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -201.435+/-1004.293 χ^2/NDF:27.2/22

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 89.973+/-1055.956 χ^2/NDF:13.6/21

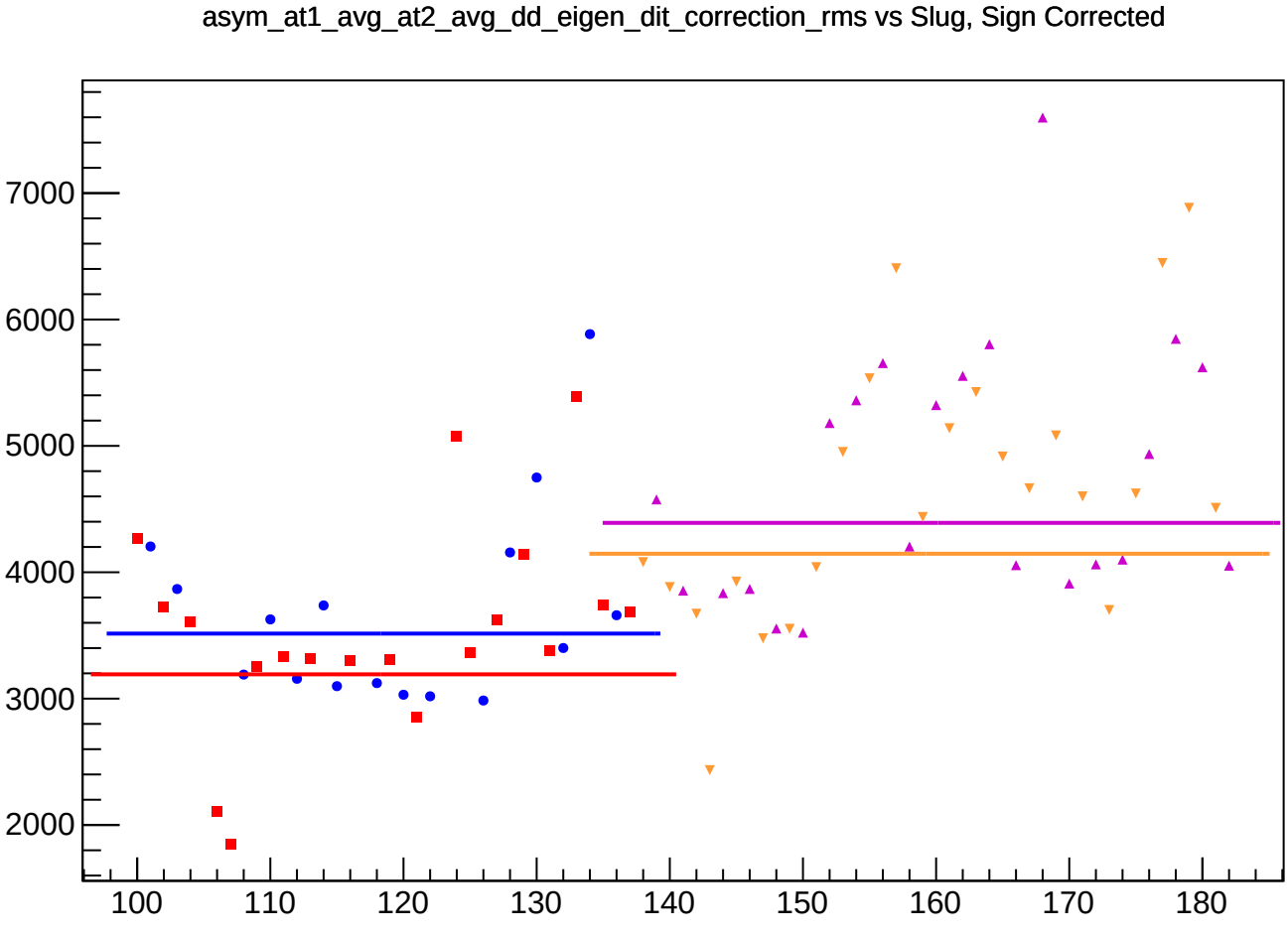
Left: -63.034+/-727.721 χ^2/NDF: 40.8/44

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 397.731+/-826.370 χ^2/NDF:27.9/37

Out: -109.946+/-770.166 χ^2/NDF:44.1/41

All: 126.042+/-563.412 χ^2/NDF: 72.2/79



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4146.564+/-0.710 χ^2/NDF:2077014.6/22

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4390.861+/-0.747 χ^2/NDF:1251587.6/21

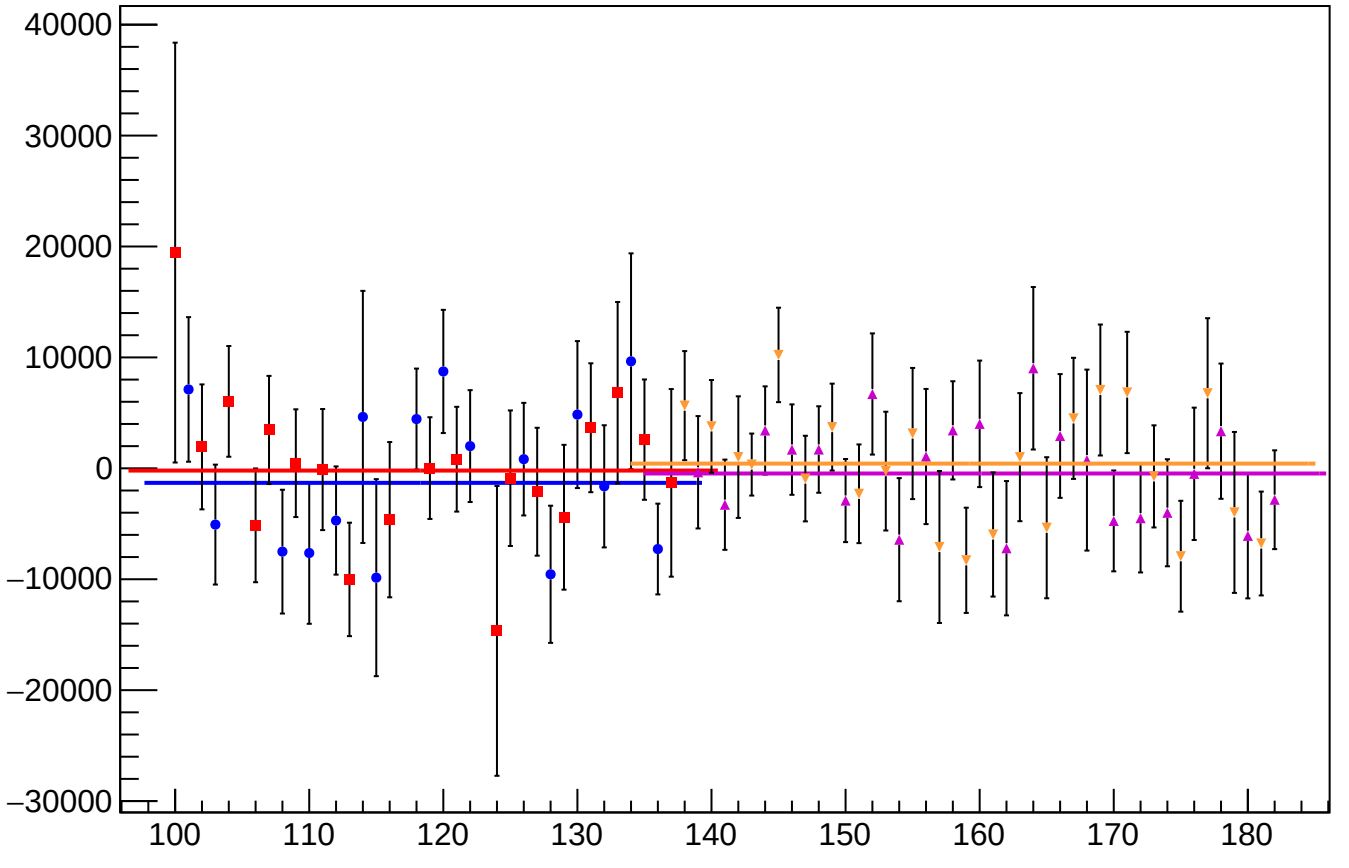
Left: 4262.591+/-0.515 χ^2/NDF: 3384808.2/44

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4051.303+/-0.584 χ^2/NDF:2160273.7/37

Out: 3753.455+/-0.545 χ^2/NDF:3593453.8/41

All: 3891.907+/-0.398 χ^2/NDF: 5892771.9/79



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 425.460+/-1008.552 χ^2/NDF:24.9/22

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -465.712+/-1055.508 χ^2/NDF:13.8/21

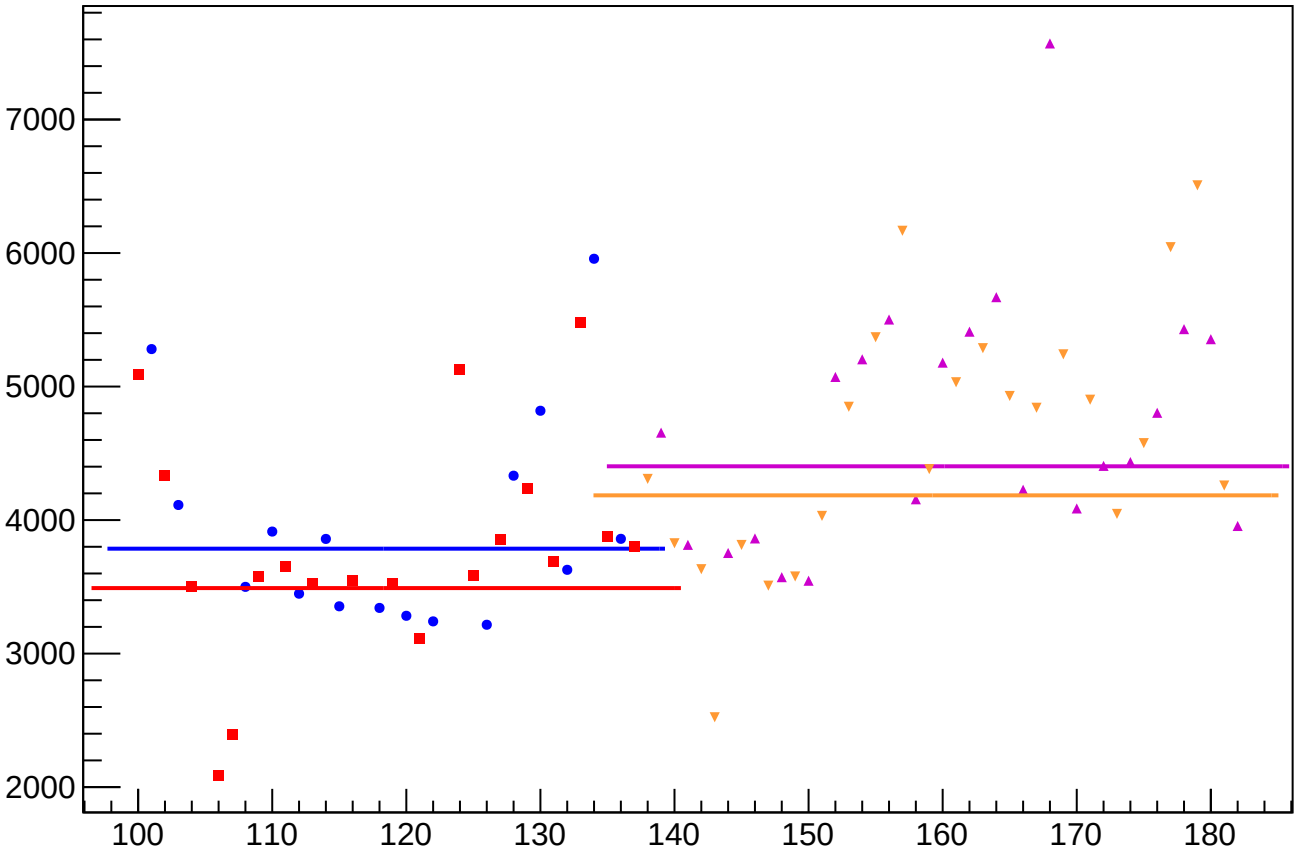
Left: 0.137+/-729.189 χ^2/NDF: 39.1/44

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -762.804+/-849.565 χ^2/NDF:31.6/37

Out: 197.848+/-804.957 χ^2/NDF:36.7/41

All: -256.596+/-584.324 χ^2/NDF: 69.0/79



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4185.197+/-0.713 χ^2/NDF:1796091.9/22

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4402.755+/-0.746 χ^2/NDF:1082128.6/21

Left: 4289.029+/-0.516 χ^2/NDF: 2922636.6/44

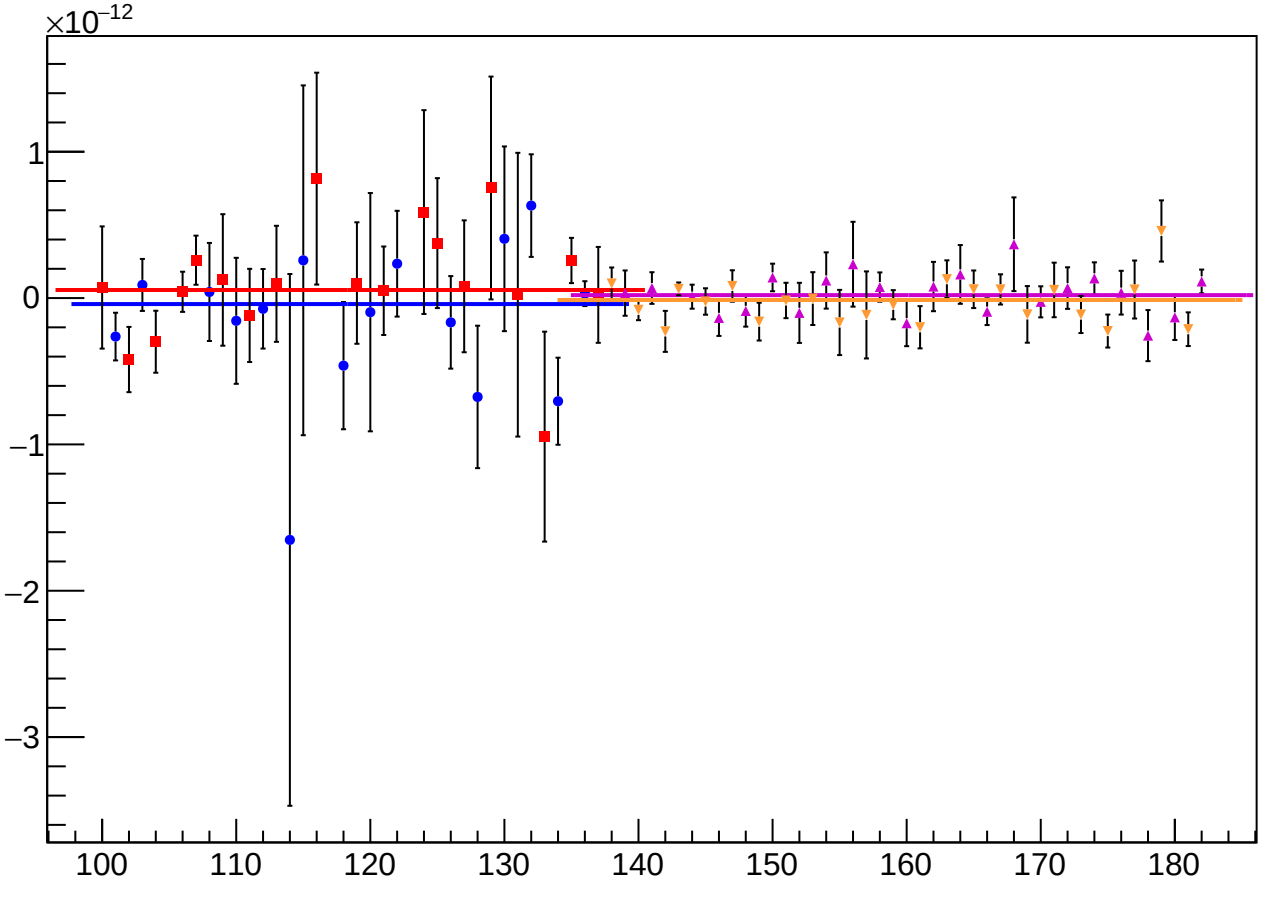
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4185.479+/-0.601 χ^2/NDF:1705774.3/37

Out: 3928.646+/-0.566 χ^2/NDF:2733179.7/41

All: 4049.500+/-0.412 χ^2/NDF: 4535728.2/79

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/21

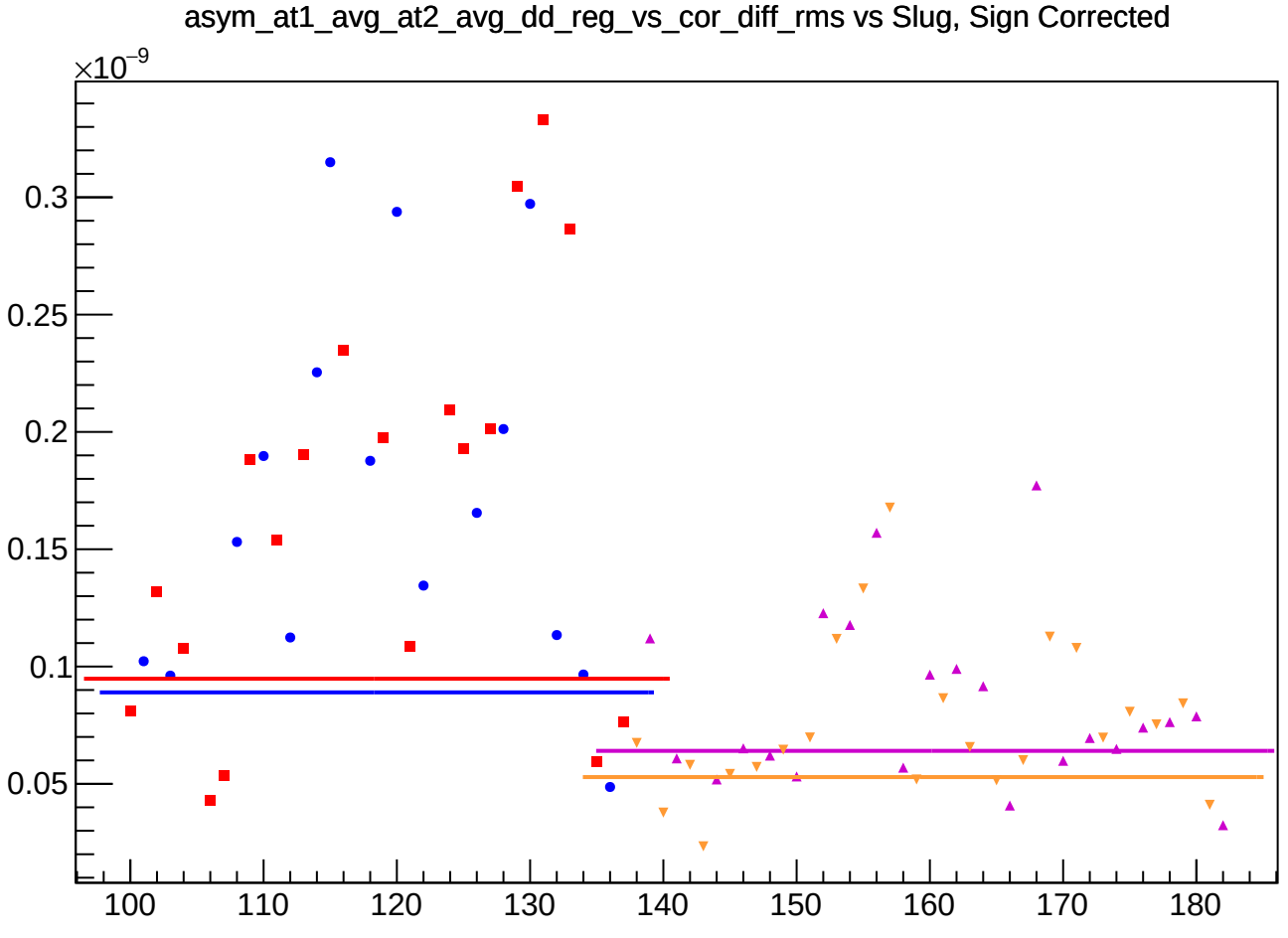
Left: 0.000+/-0.000 χ^2/NDF: 44.4/44

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:34.5/37

Out: -0.000+/-0.000 χ^2/NDF:43.5/41

All: 0.000+/-0.000 χ^2/NDF: 78.2/79



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2614098.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1736248.0/21

Left: 0.000+/-0.000 χ^2/NDF: 4555526.9/44

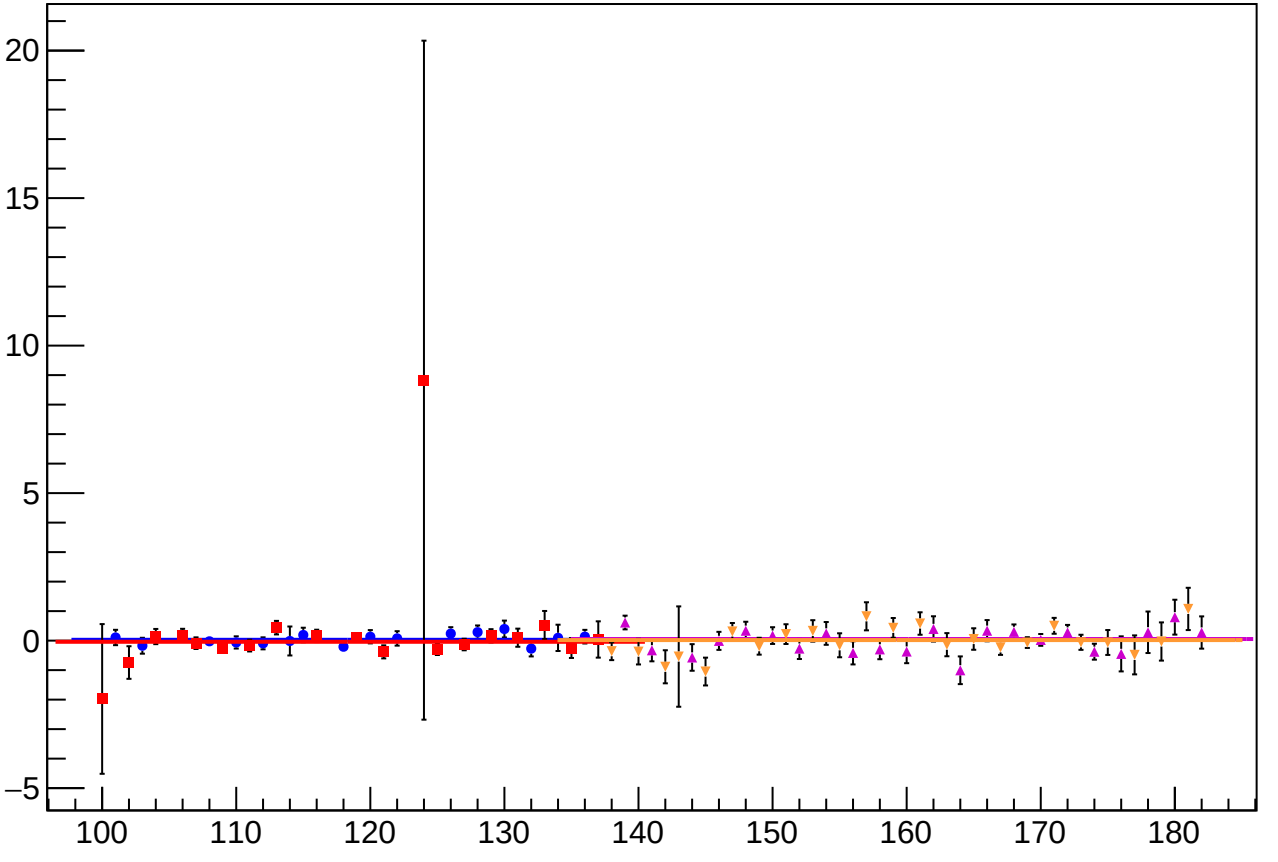
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3493949.7/37

Out: 0.000+/-0.000 χ^2/NDF:5111328.0/41

All: 0.000+/-0.000 χ^2/NDF: 8823122.8/79

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: 0.018+/-0.072 χ^2/NDF:27.0/22

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.054+/-0.071 χ^2/NDF:27.7/21

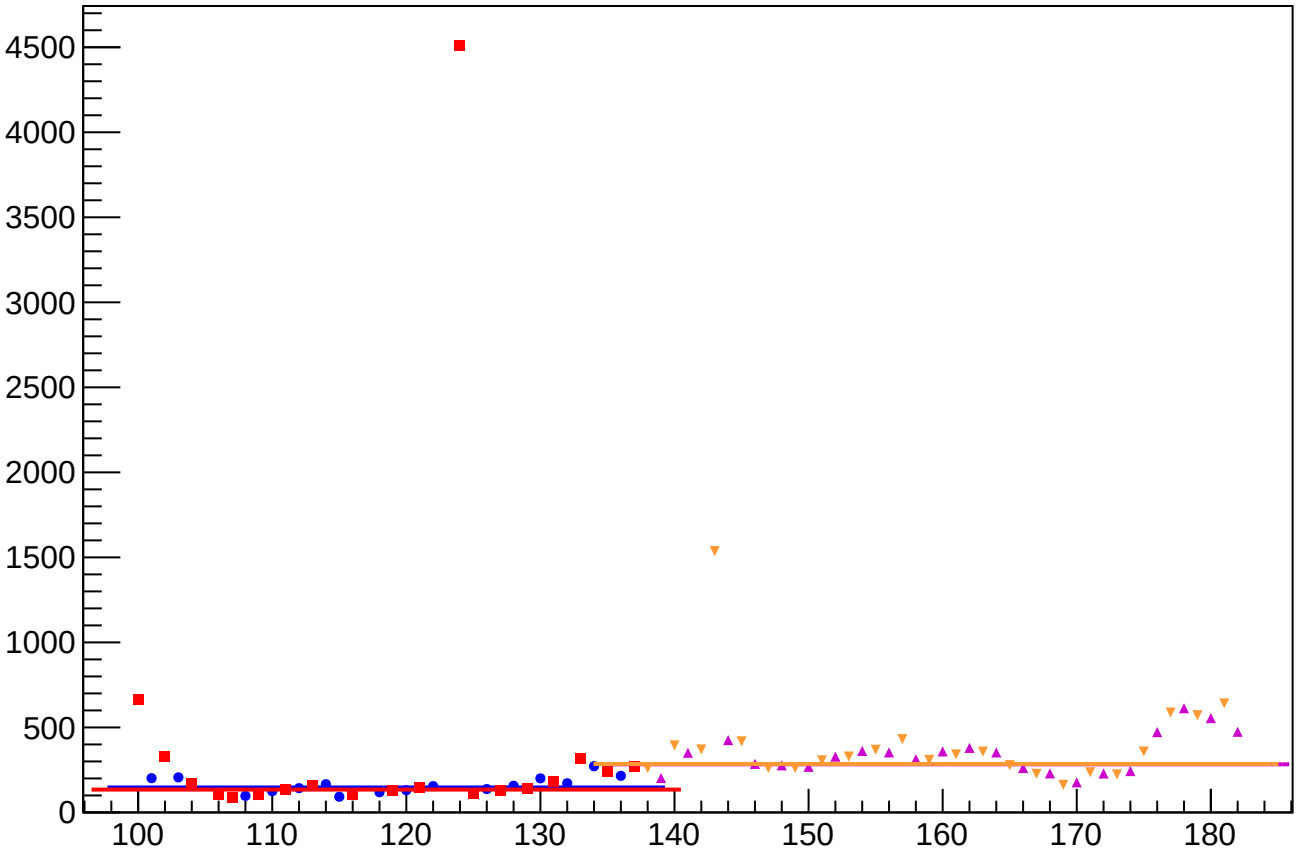
Left: 0.037+/-0.051 χ^2/NDF: 54.9/44

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.018+/-0.044 χ^2/NDF:47.4/41

All: 0.009+/-0.031 χ^2/NDF: 85.5/79



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 285.190+/-0.051 χ^2/NDF:4442266.0/22

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 283.124+/-0.050 χ^2/NDF:3030589.5/21

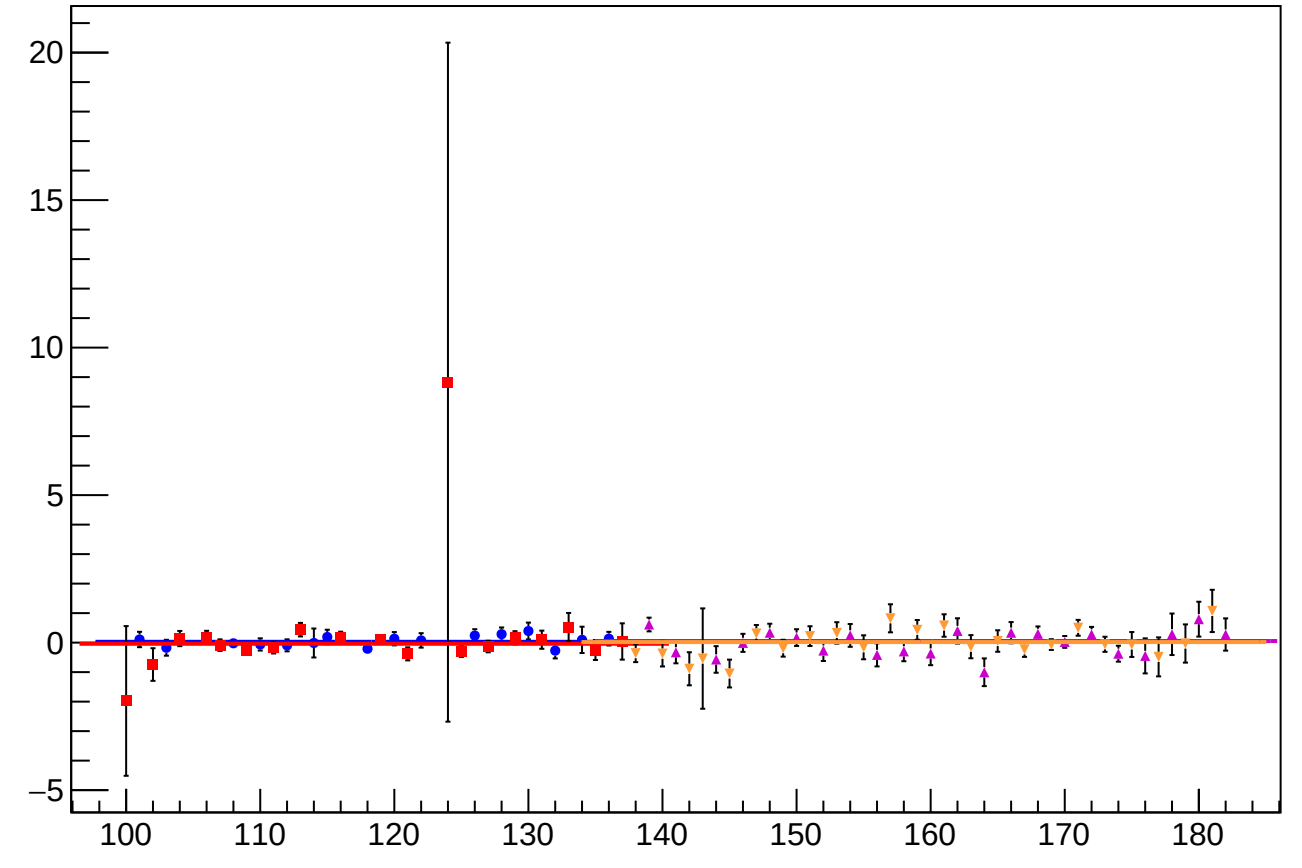
Left: 284.136+/-0.036 χ^2/NDF: 7473691.8/44

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 201.288+/-0.032 χ^2/NDF:8487835.3/37

Out: 189.624+/-0.031 χ^2/NDF:11584381.2/41

All: 195.312+/-0.022 χ^2/NDF: 20141946.9/79



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.018+/-0.072 χ^2/NDF:27.0/22

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.054+/-0.071 χ^2/NDF:27.7/21

Left: 0.037+/-0.051 χ^2/NDF: 54.9/44

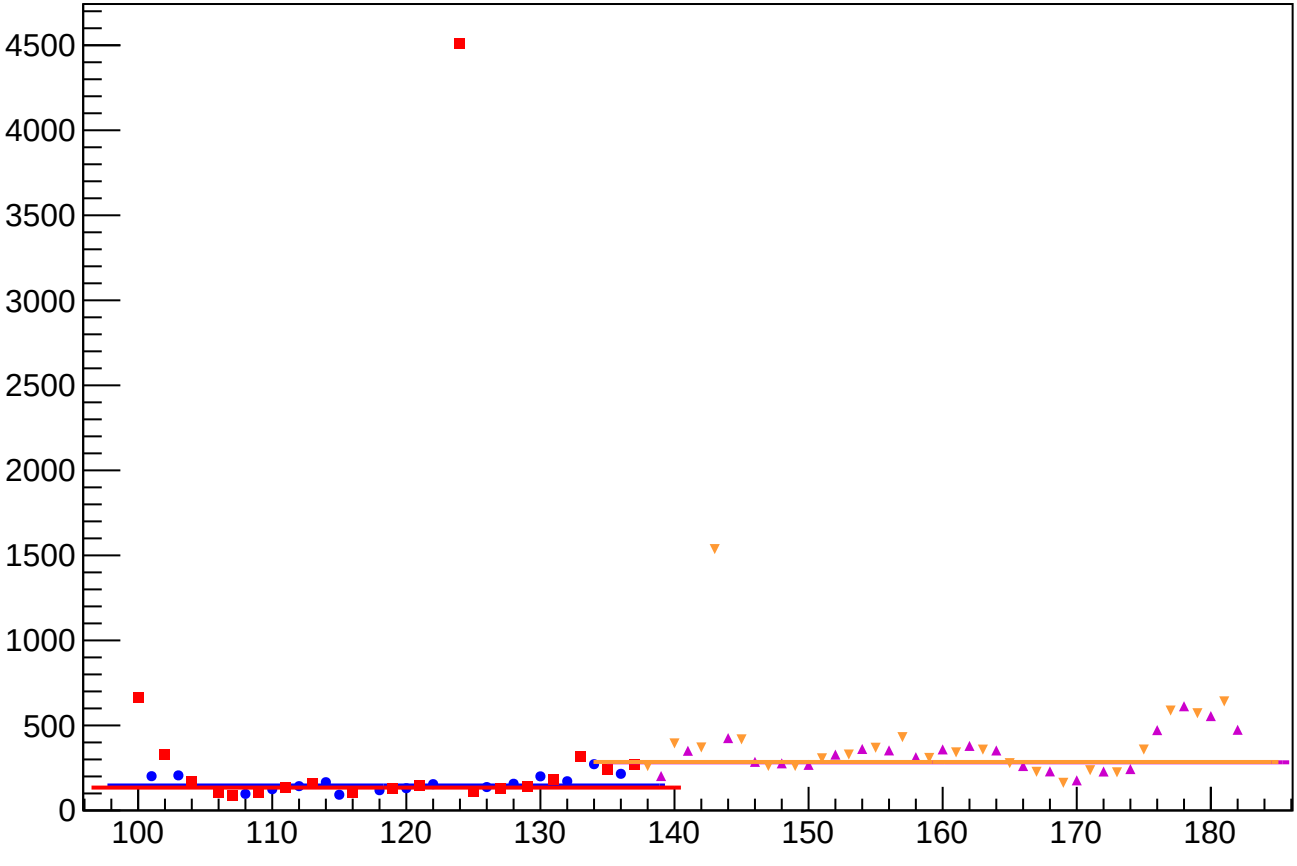
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.018+/-0.044 χ^2/NDF:47.4/41

All: 0.009+/-0.031 χ^2/NDF: 85.5/79

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: 285.190+/-0.051 χ^2/NDF:4442266.0/22

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 283.124+/-0.050 χ^2/NDF:3030589.5/21

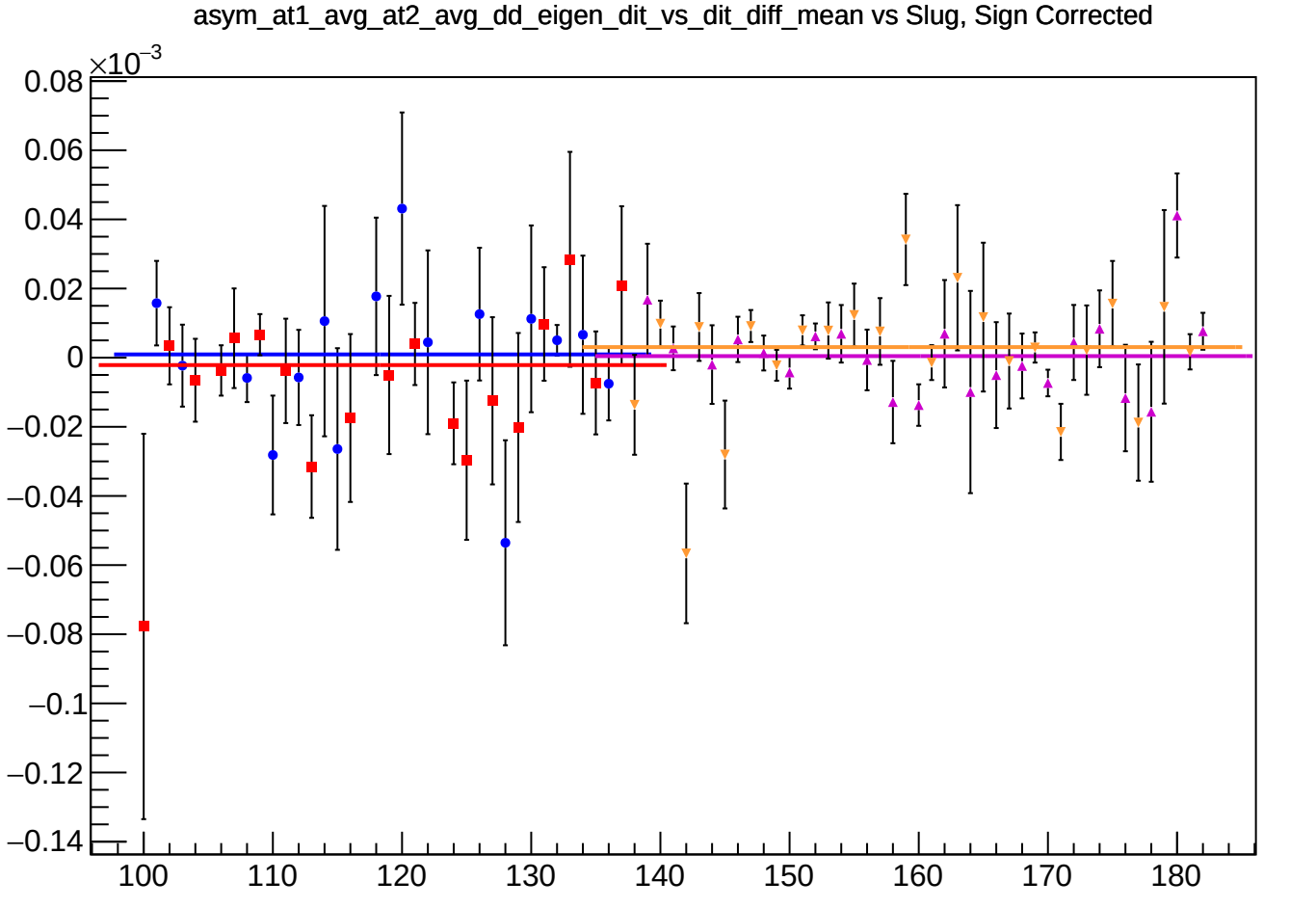
Left: 284.136+/-0.036 χ^2/NDF: 7473691.8/44

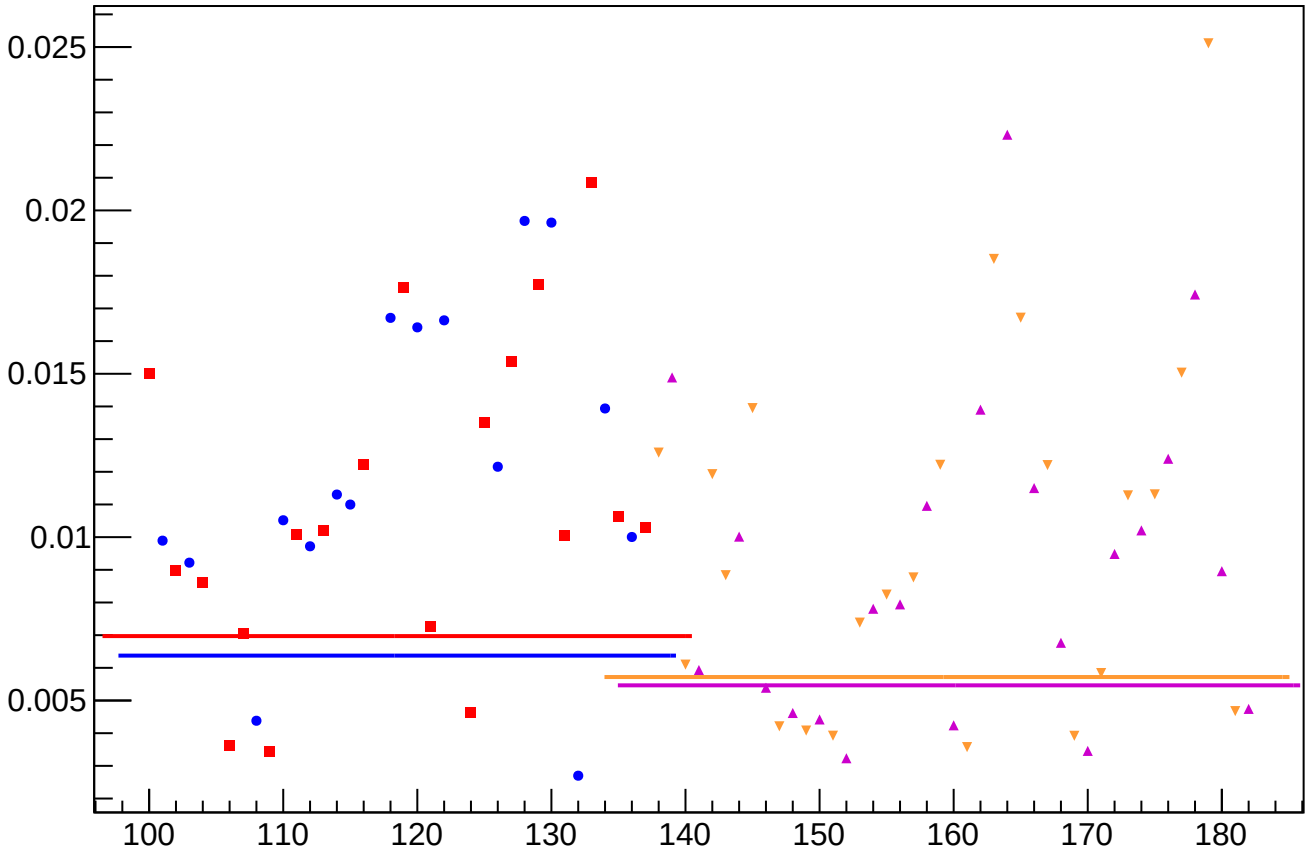
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 201.288+/-0.032 χ^2/NDF:8487835.3/37

Out: 189.624+/-0.031 χ^2/NDF:11584381.2/41

All: 195.312+/-0.022 χ^2/NDF: 20141946.9/79


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:41.0/22
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:32.0/21
Left: 0.000+/-0.000 χ²/NDF: 74.4/44
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:46.9/37
Out: 0.000+/-0.000 χ²/NDF:59.4/41
All: 0.000+/-0.000 χ²/NDF: 106.8/79



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7997784.9/22

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6796454.6/21

Left: 0.006+/-0.000 χ^2/NDF: 14821432.7/44

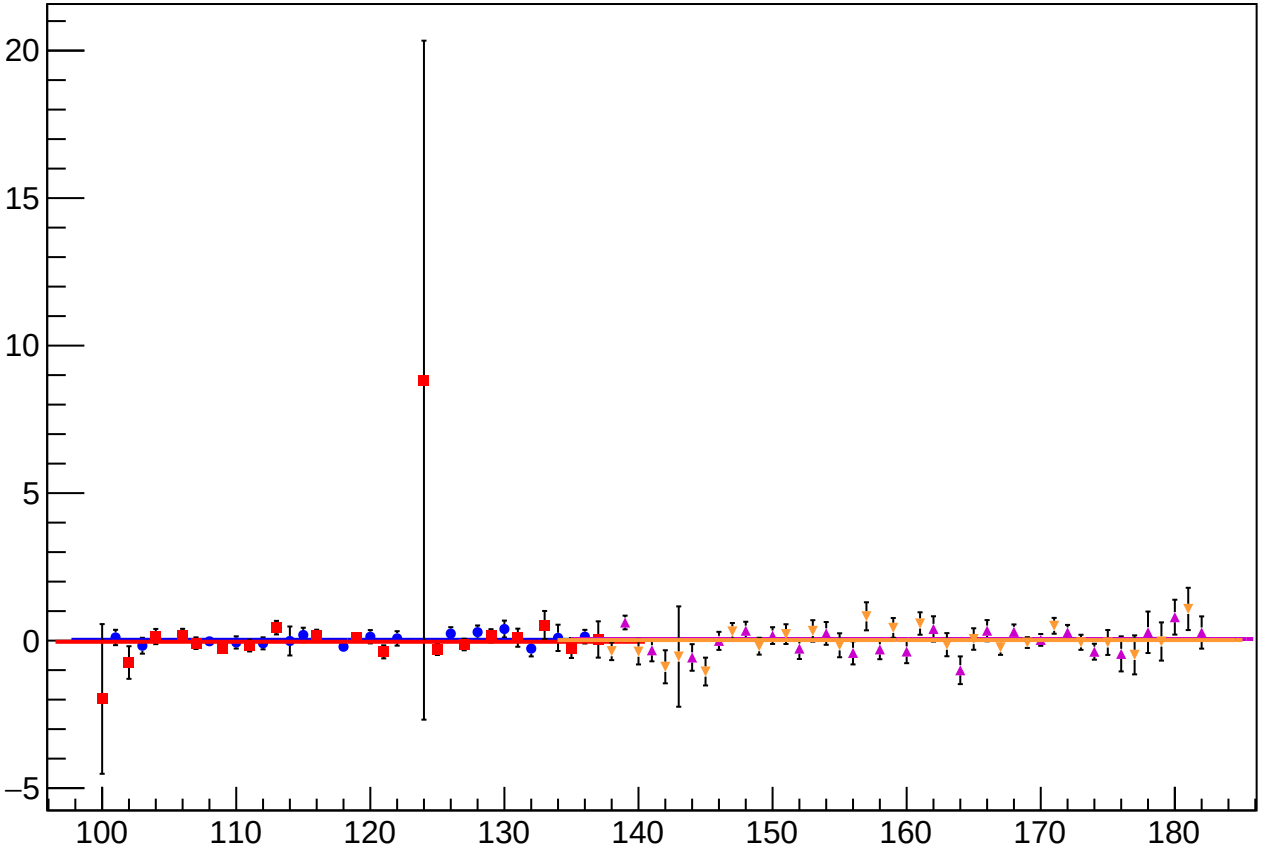
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11588422.5/37

Out: 0.006+/-0.000 χ^2/NDF:11680246.7/41

All: 0.006+/-0.000 χ^2/NDF: 23325506.1/79

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: 0.018+/-0.072 χ^2/NDF:27.0/22

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.054+/-0.071 χ^2/NDF:27.7/21

Left: 0.037+/-0.051 χ^2/NDF: 54.9/44

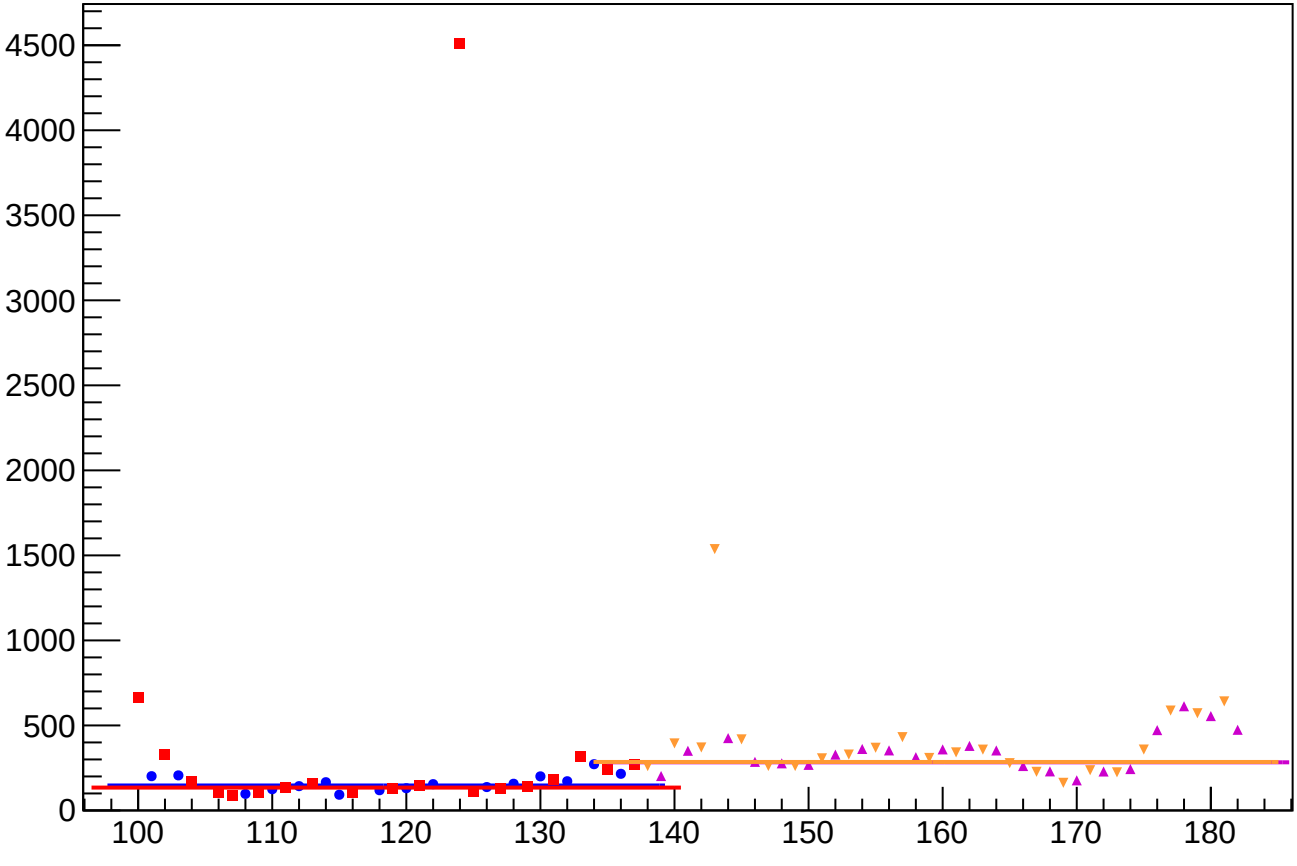
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.018+/-0.044 χ^2/NDF:47.4/41

All: 0.009+/-0.031 χ^2/NDF: 85.5/79

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: 285.190+/-0.051 χ^2/NDF:4442450.0/22

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 283.125+/-0.050 χ^2/NDF:3030693.1/21

Left: 284.137+/-0.036 χ^2/NDF: 7473978.2/44

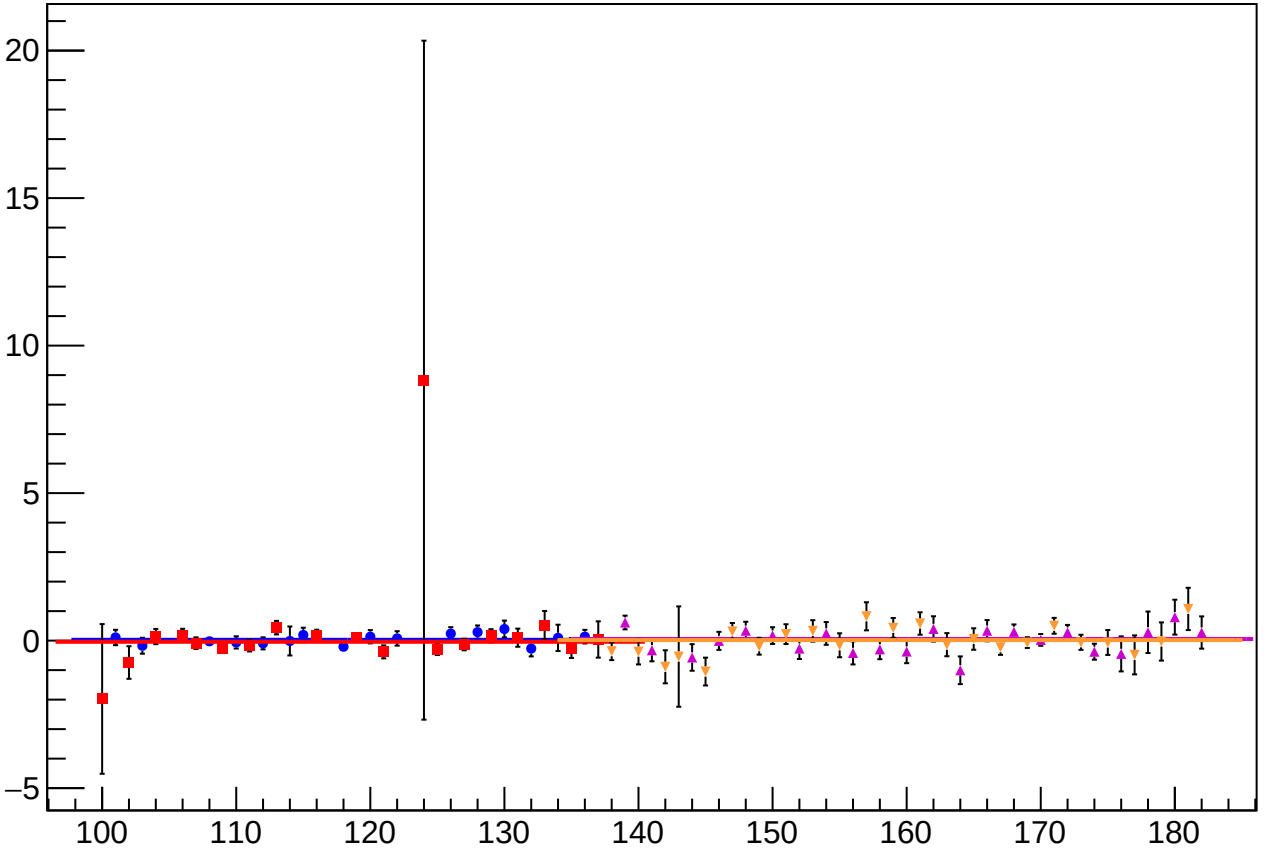
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 201.288+/-0.032 χ^2/NDF:8487953.1/37

Out: 189.625+/-0.031 χ^2/NDF:11584355.6/41

All: 195.313+/-0.022 χ^2/NDF: 20142025.4/79

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: 0.018+/-0.072 χ^2/NDF:27.0/22

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.054+/-0.071 χ^2/NDF:27.7/21

Left: 0.037+/-0.051 χ^2/NDF: 54.9/44

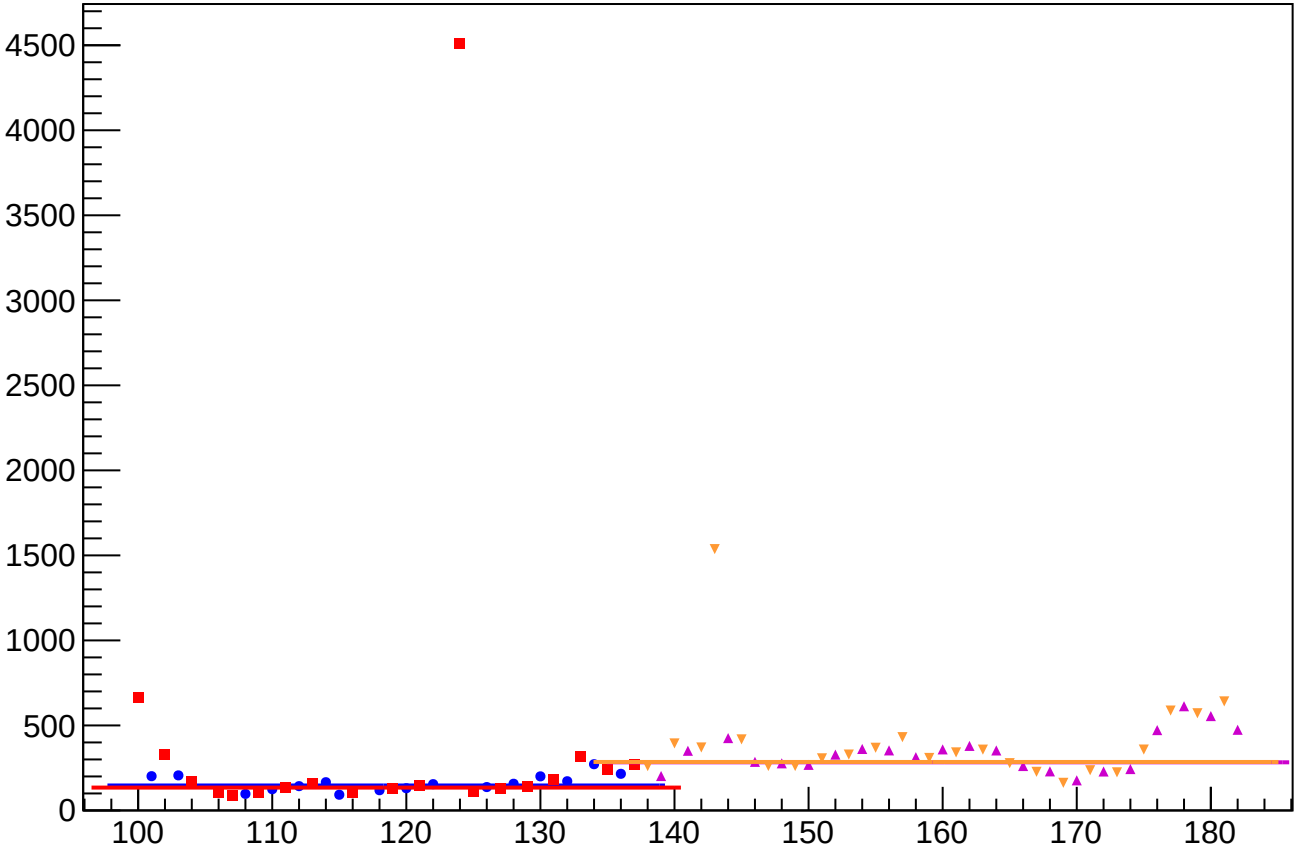
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.018+/-0.044 χ^2/NDF:47.4/41

All: 0.009+/-0.031 χ^2/NDF: 85.5/79

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: 285.190+/-0.051 χ^2/NDF:4442450.0/22

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 283.125+/-0.050 χ^2/NDF:3030693.1/21

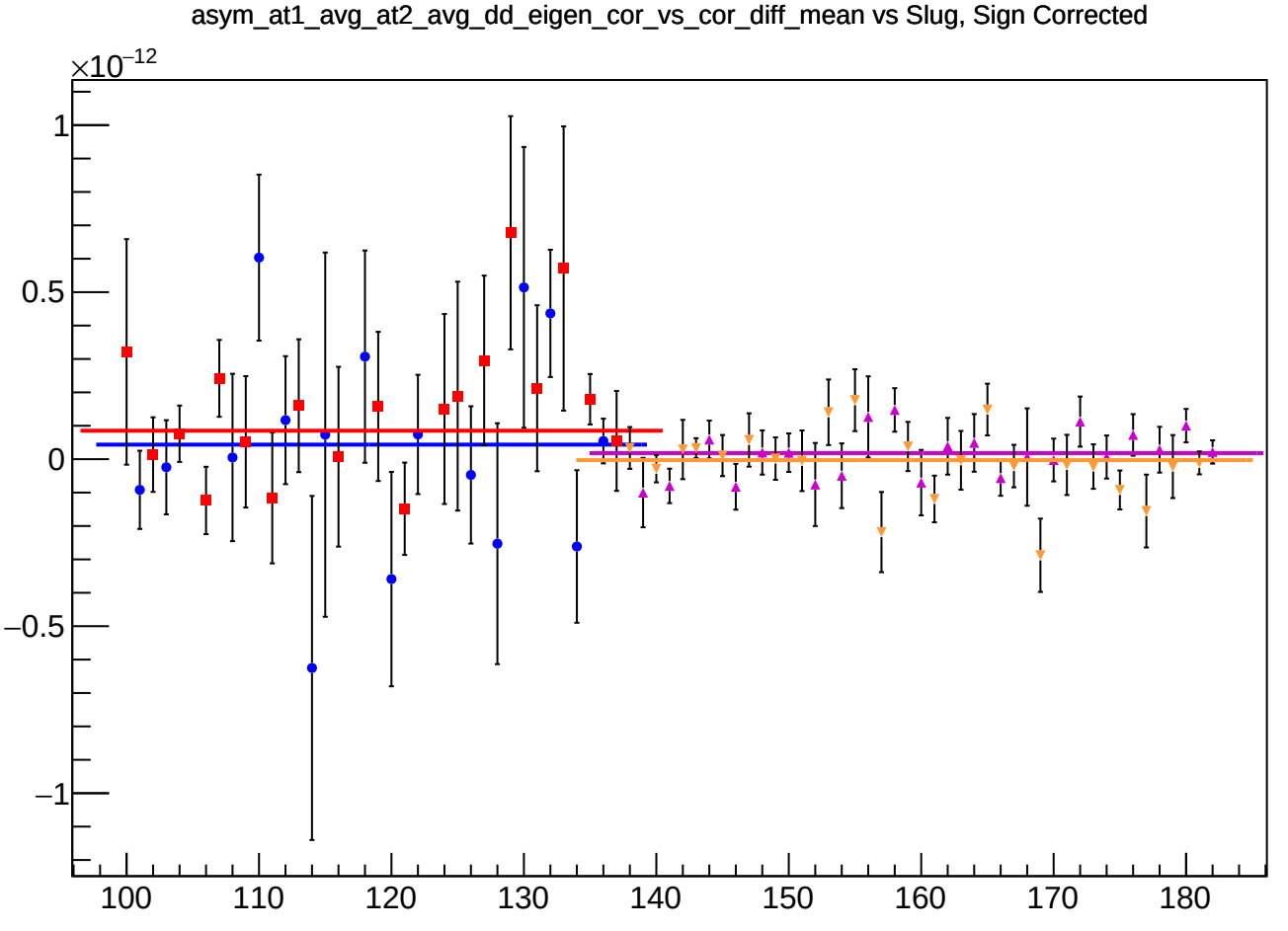
Left: 284.137+/-0.036 χ^2/NDF: 7473978.2/44

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 201.288+/-0.032 χ^2/NDF:8487953.1/37

Out: 189.625+/-0.031 χ^2/NDF:11584355.6/41

All: 195.313+/-0.022 χ^2/NDF: 20142025.4/79



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:21.6/21

Left: 0.000+/-0.000 χ^2/NDF: 53.1/44

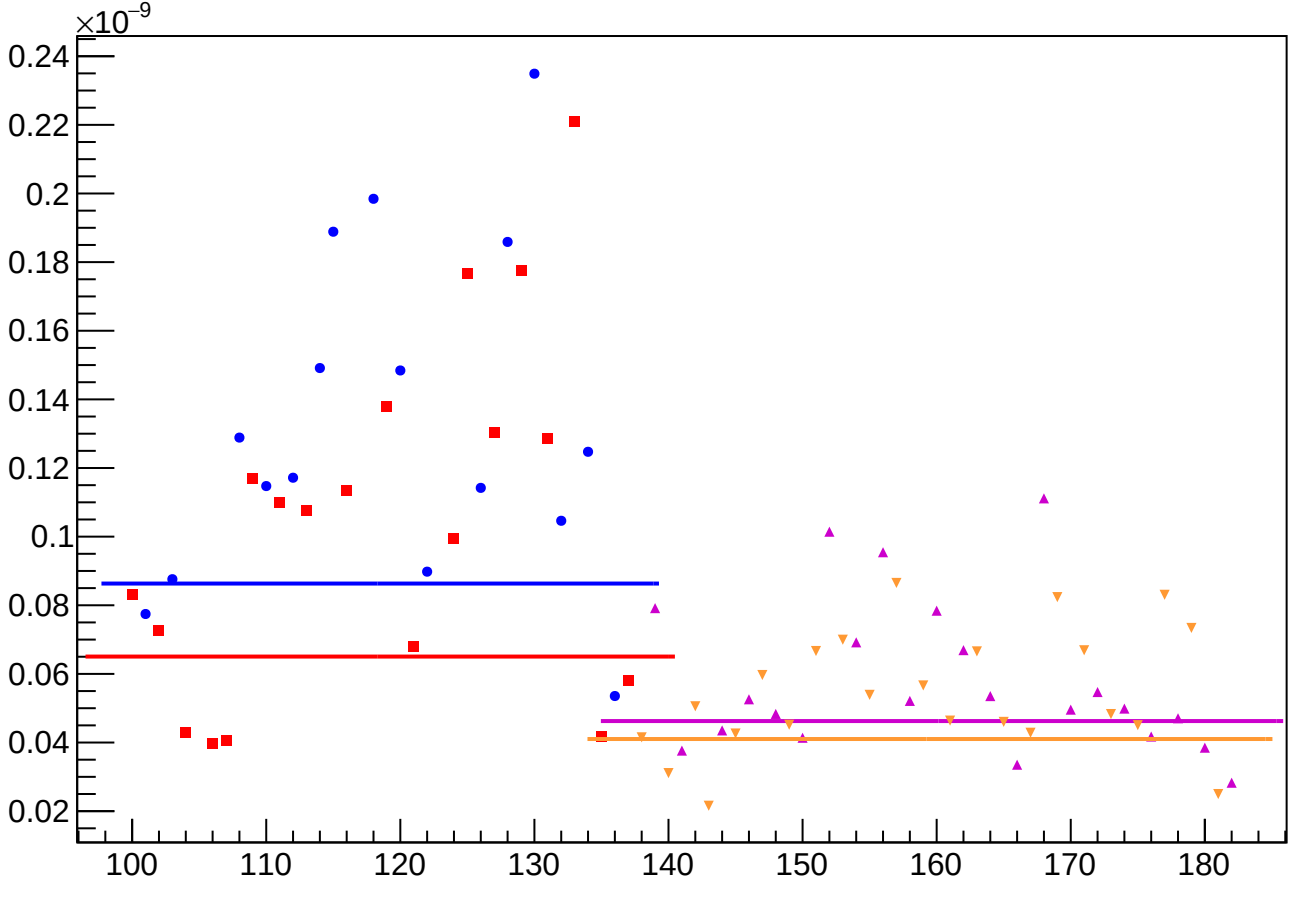
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:40.9/37

Out: 0.000+/-0.000 χ^2/NDF:54.3/41

All: 0.000+/-0.000 χ^2/NDF: 95.7/79

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3512442.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2636841.6/21

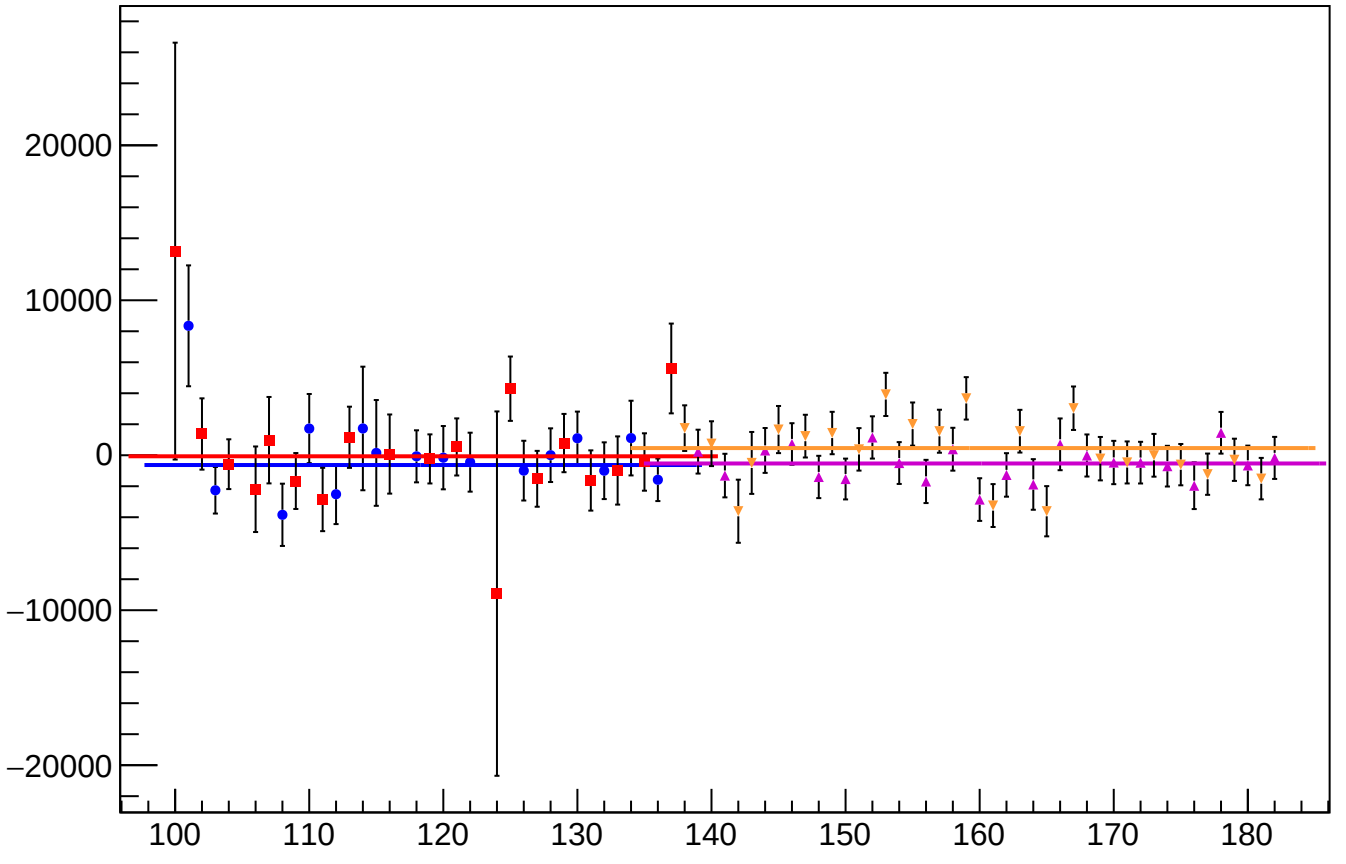
Left: 0.000+/-0.000 χ^2/NDF: 6299831.2/44

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:5791726.0/37

Out: 0.000+/-0.000 χ^2/NDF:6532358.6/41

All: 0.000+/-0.000 χ^2/NDF: 12550590.5/79



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.177+/-297.716 χ^2/NDF:43.0/22

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -531.379+/-296.419 χ^2/NDF:13.2/21

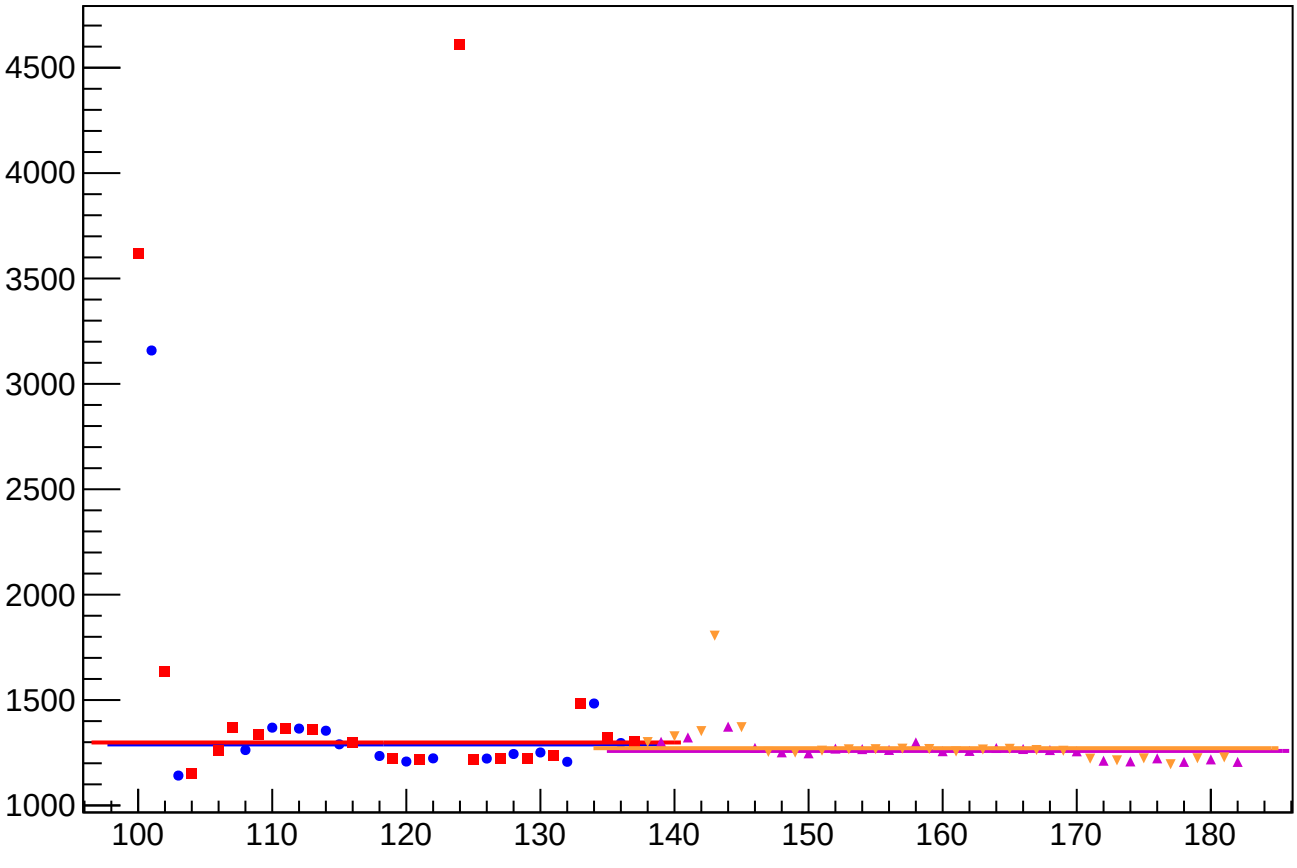
Left: -36.771+/-210.057 χ^2/NDF: 61.8/44

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -558.187+/-253.437 χ^2/NDF:27.1/37

Out: 318.367+/-254.119 χ^2/NDF:59.8/41

All: -121.088+/-179.448 χ^2/NDF: 92.8/79



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1271.558+/-0.211 χ^2/NDF:179720.0/22

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

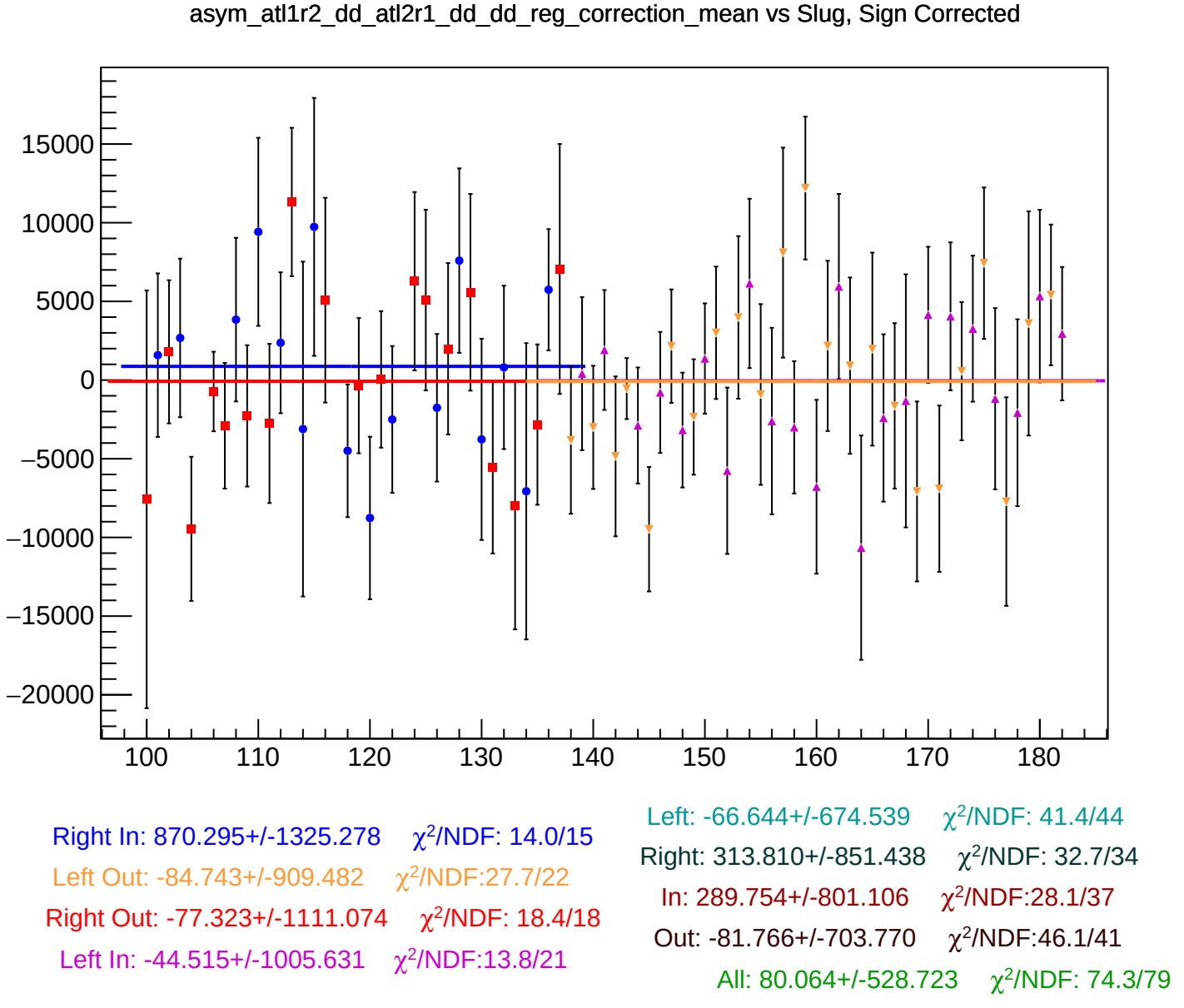
Left: 1265.035+/-0.149 χ^2/NDF: 217126.3/44

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1266.879+/-0.179 χ^2/NDF:556014.6/37

Out: 1278.941+/-0.180 χ^2/NDF:503609.3/41

All: 1272.898+/-0.127 χ^2/NDF: 1061884.6/79


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
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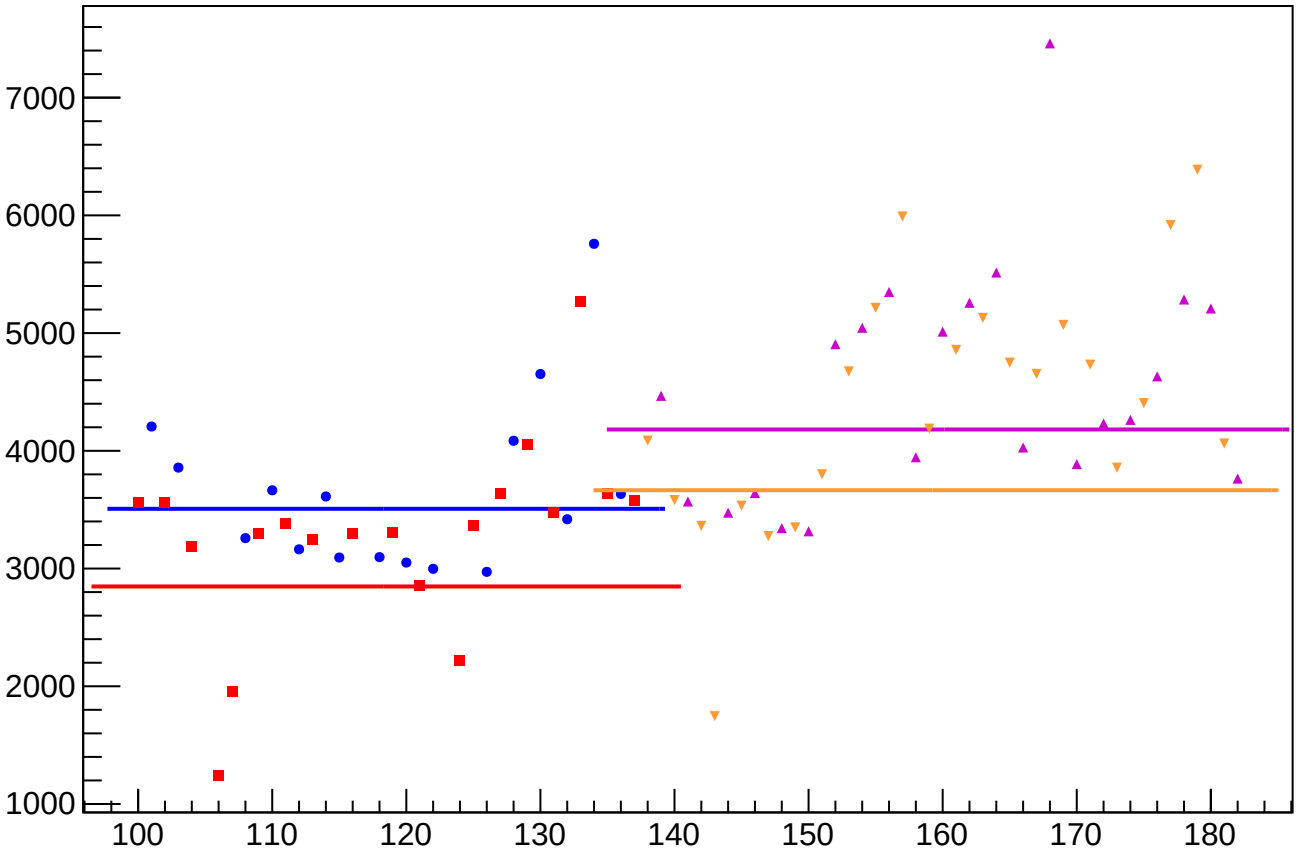
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -84.743+/-909.482 χ²/NDF:27.7/22
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -44.515+/-1005.631 χ²/NDF:13.8/21
Left: -66.644+/-674.539 χ²/NDF: 41.4/44
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 289.754+/-801.106 χ²/NDF:28.1/37
Out: -81.766+/-703.770 χ²/NDF:46.1/41
All: 80.064+/-528.723 χ²/NDF: 74.3/79



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3665.168+/-0.643 χ^2/NDF:3675034.8/22

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4181.302+/-0.711 χ^2/NDF:1269136.5/21

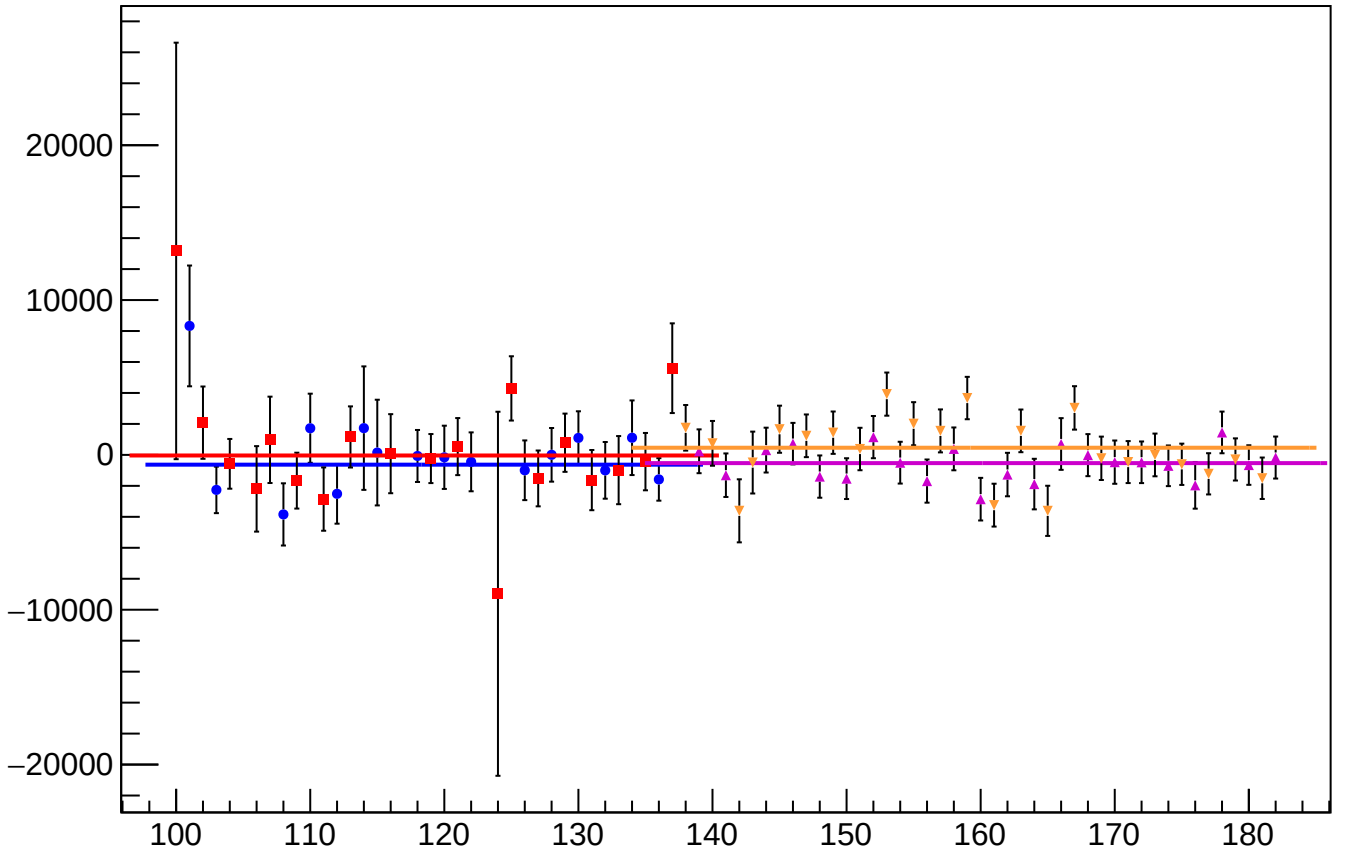
Left: 3897.388+/-0.477 χ^2/NDF: 5233973.9/44

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3935.059+/-0.566 χ^2/NDF:1951298.1/37

Out: 3337.243+/-0.498 χ^2/NDF:5822471.1/41

All: 3597.645+/-0.374 χ^2/NDF: 8402379.5/79



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.210+/-297.716 χ^2/NDF:43.0/22

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -531.298+/-296.419 χ^2/NDF:13.2/21

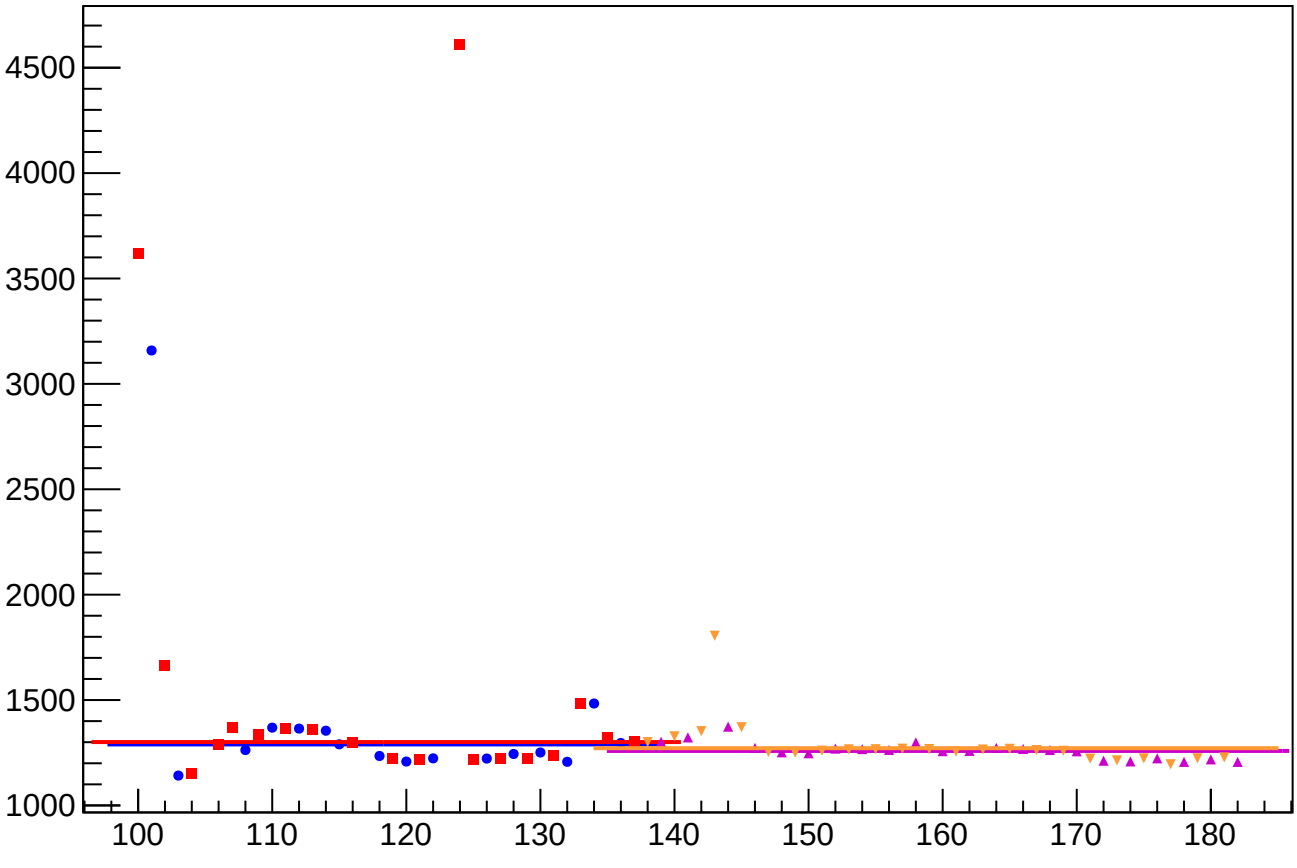
Left: -36.714+/-210.057 χ^2/NDF: 61.8/44

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -558.231+/-253.437 χ^2/NDF:27.1/37

Out: 326.399+/-254.165 χ^2/NDF:60.1/41

All: -117.185+/-179.464 χ^2/NDF: 93.3/79



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1271.558+/-0.211 χ^2/NDF:179720.0/22

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

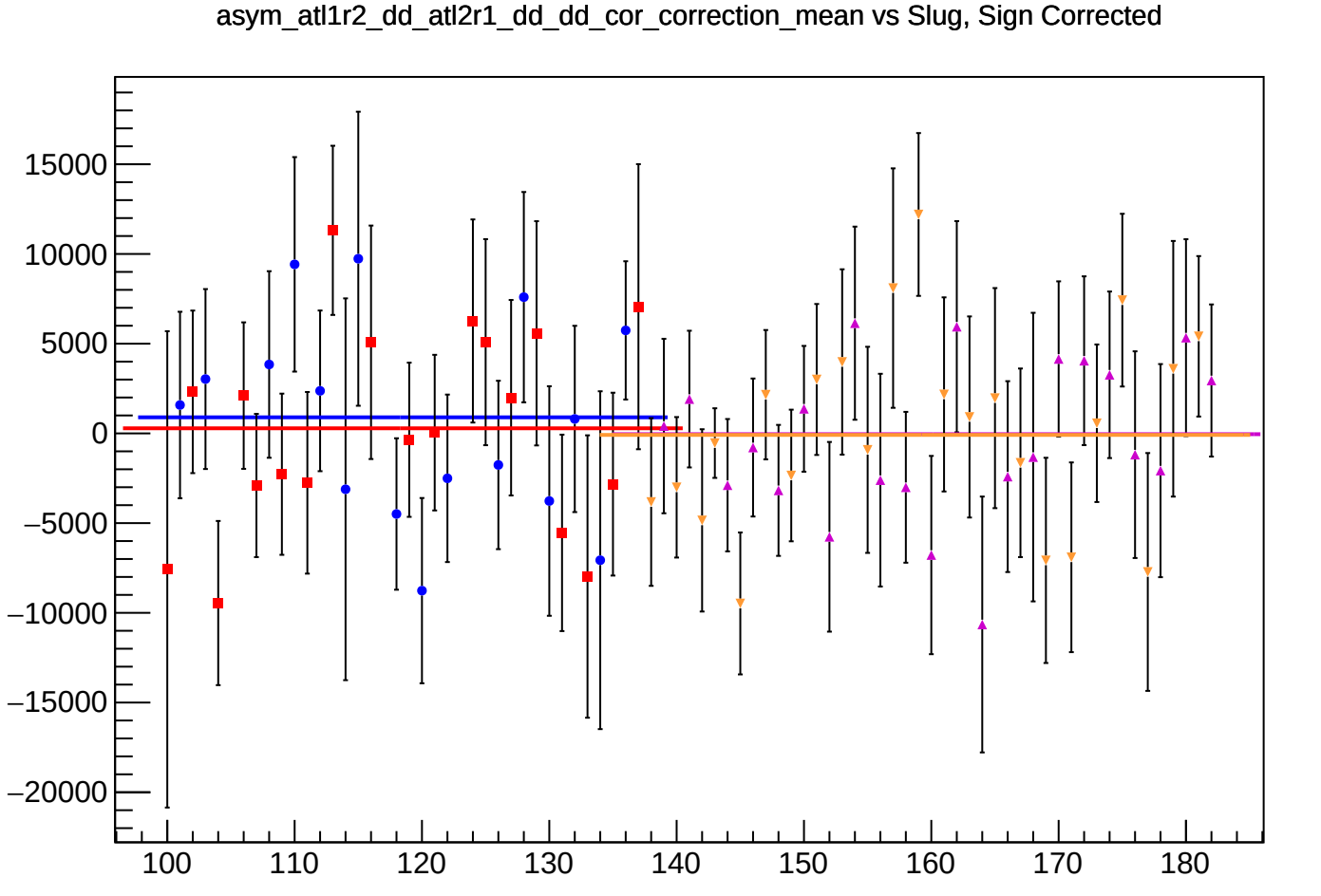
Left: 1265.035+/-0.149 χ^2/NDF: 217126.3/44

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.879+/-0.179 χ^2/NDF:556015.9/37

Out: 1279.478+/-0.180 χ^2/NDF:510832.3/41

All: 1273.163+/-0.127 χ^2/NDF: 1069313.6/79


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
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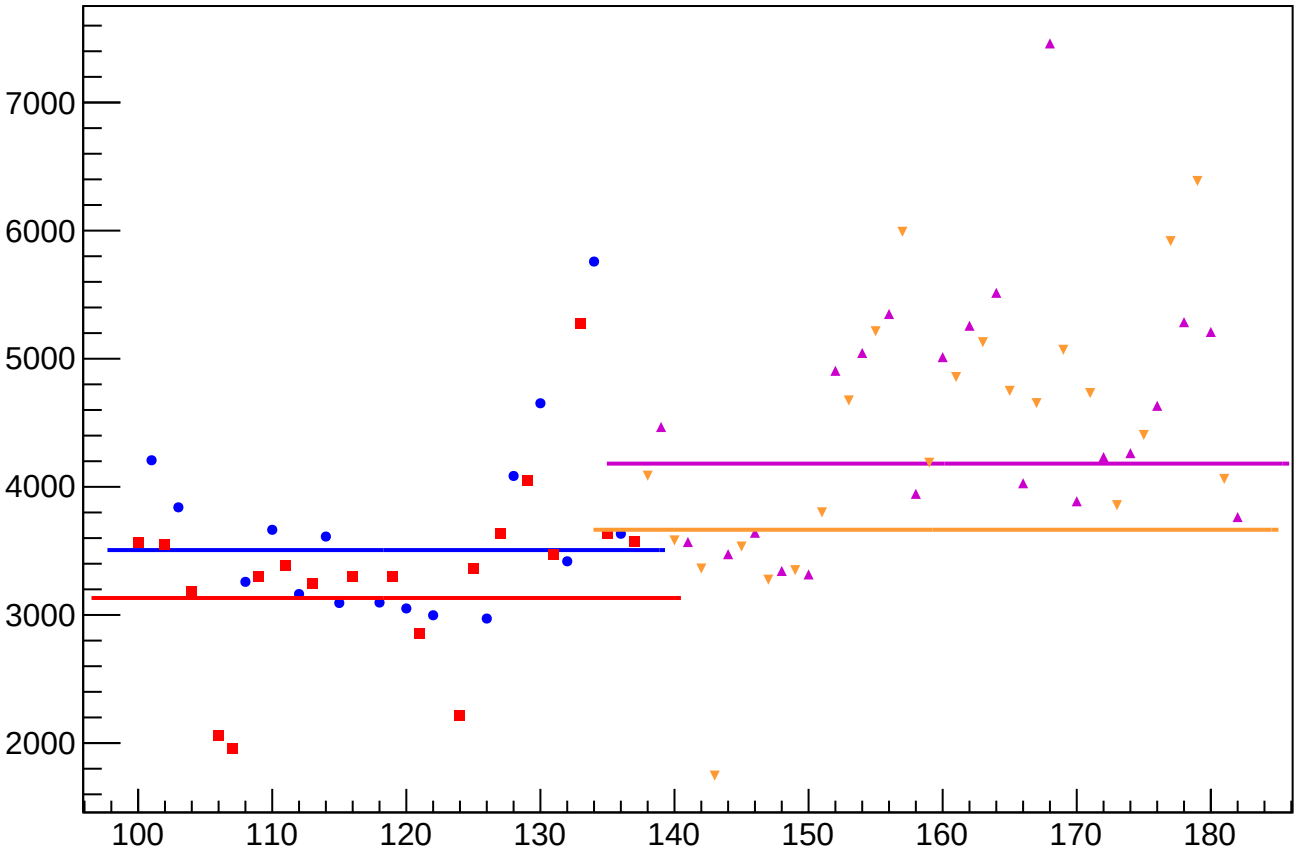
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -84.671+/-909.481 χ²/NDF:27.7/22
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -44.524+/-1005.630 χ²/NDF:13.8/21
Left: -66.608+/-674.538 χ²/NDF: 41.4/44
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 299.296+/-801.004 χ²/NDF:28.2/37
Out: 52.244+/-721.068 χ²/NDF:46.4/41
All: 162.831+/-535.911 χ²/NDF: 74.6/79



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3665.160+/-0.643 χ^2/NDF:3675073.2/22

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4181.297+/-0.711 χ^2/NDF:1269133.7/21

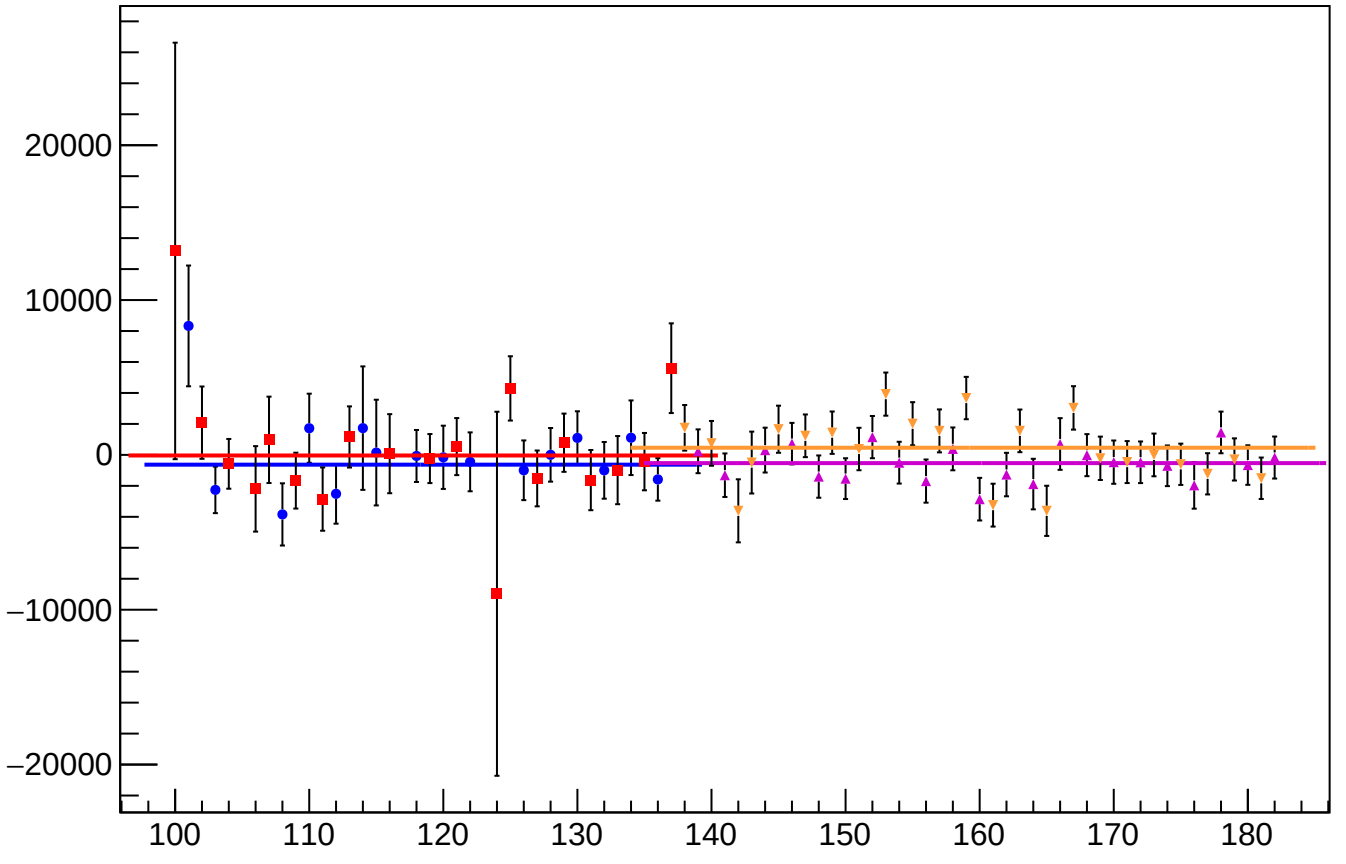
Left: 3897.381+/-0.477 χ^2/NDF: 5234013.6/44

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3934.615+/-0.566 χ^2/NDF:1951582.7/37

Out: 3467.355+/-0.510 χ^2/NDF:4579402.4/41

All: 3676.513+/-0.379 χ^2/NDF: 6906917.5/79



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 462.210+/-297.716 χ^2/NDF:43.0/22

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -531.298+/-296.419 χ^2/NDF:13.2/21

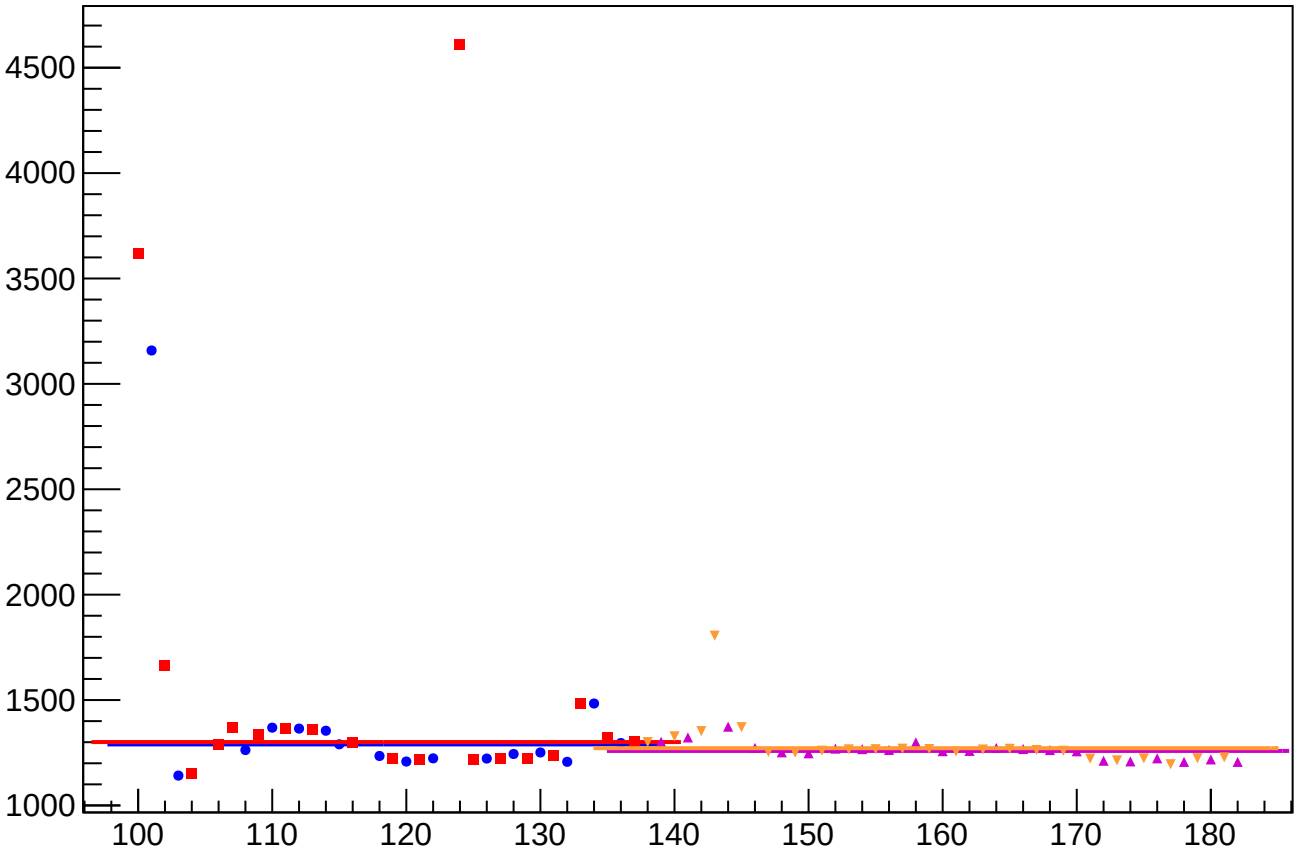
Left: -36.714+/-210.057 χ^2/NDF: 61.8/44

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -558.231+/-253.437 χ^2/NDF:27.1/37

Out: 326.399+/-254.165 χ^2/NDF:60.1/41

All: -117.185+/-179.464 χ^2/NDF: 93.3/79



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1271.558+/-0.211 χ^2/NDF:179720.0/22

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

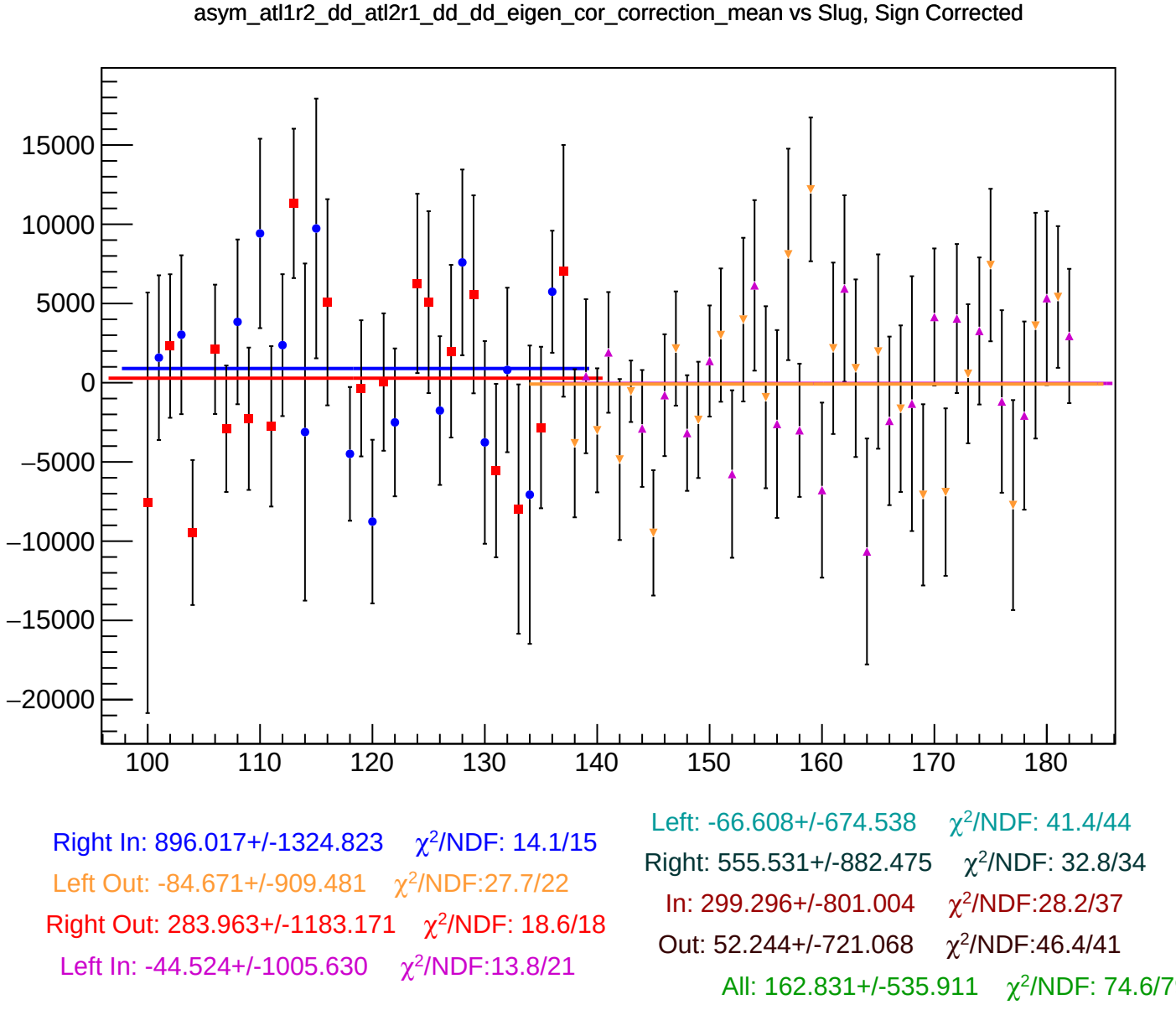
Left: 1265.035+/-0.149 χ^2/NDF: 217126.3/44

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.879+/-0.179 χ^2/NDF:556015.9/37

Out: 1279.478+/-0.180 χ^2/NDF:510832.3/41

All: 1273.163+/-0.127 χ^2/NDF: 1069313.6/79


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
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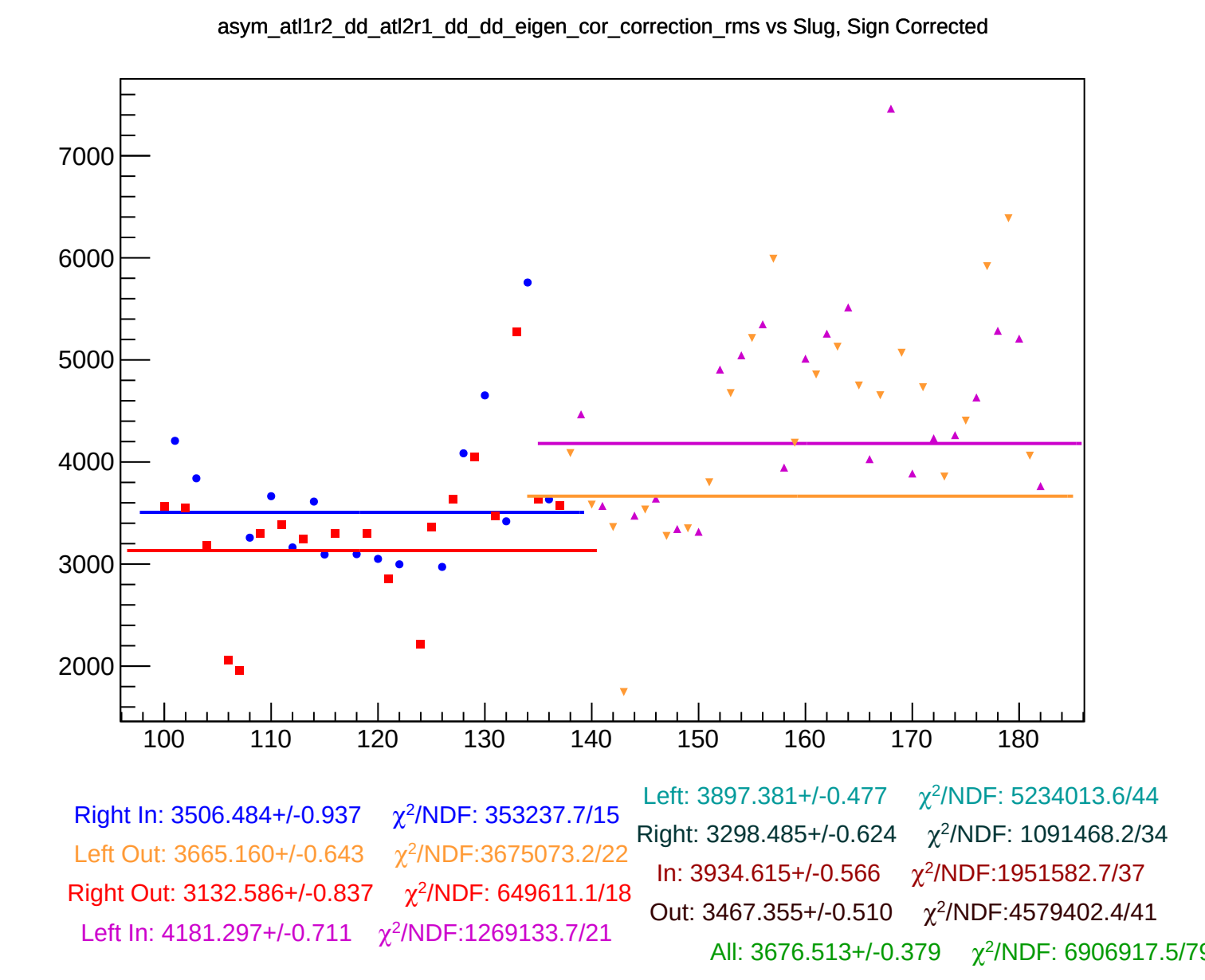
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -84.671+/-909.481 χ²/NDF:27.7/22
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -44.524+/-1005.630 χ²/NDF:13.8/21
Left: -66.608+/-674.538 χ²/NDF: 41.4/44
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 299.296+/-801.004 χ²/NDF:28.2/37
Out: 52.244+/-721.068 χ²/NDF:46.4/41
All: 162.831+/-535.911 χ²/NDF: 74.6/79


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
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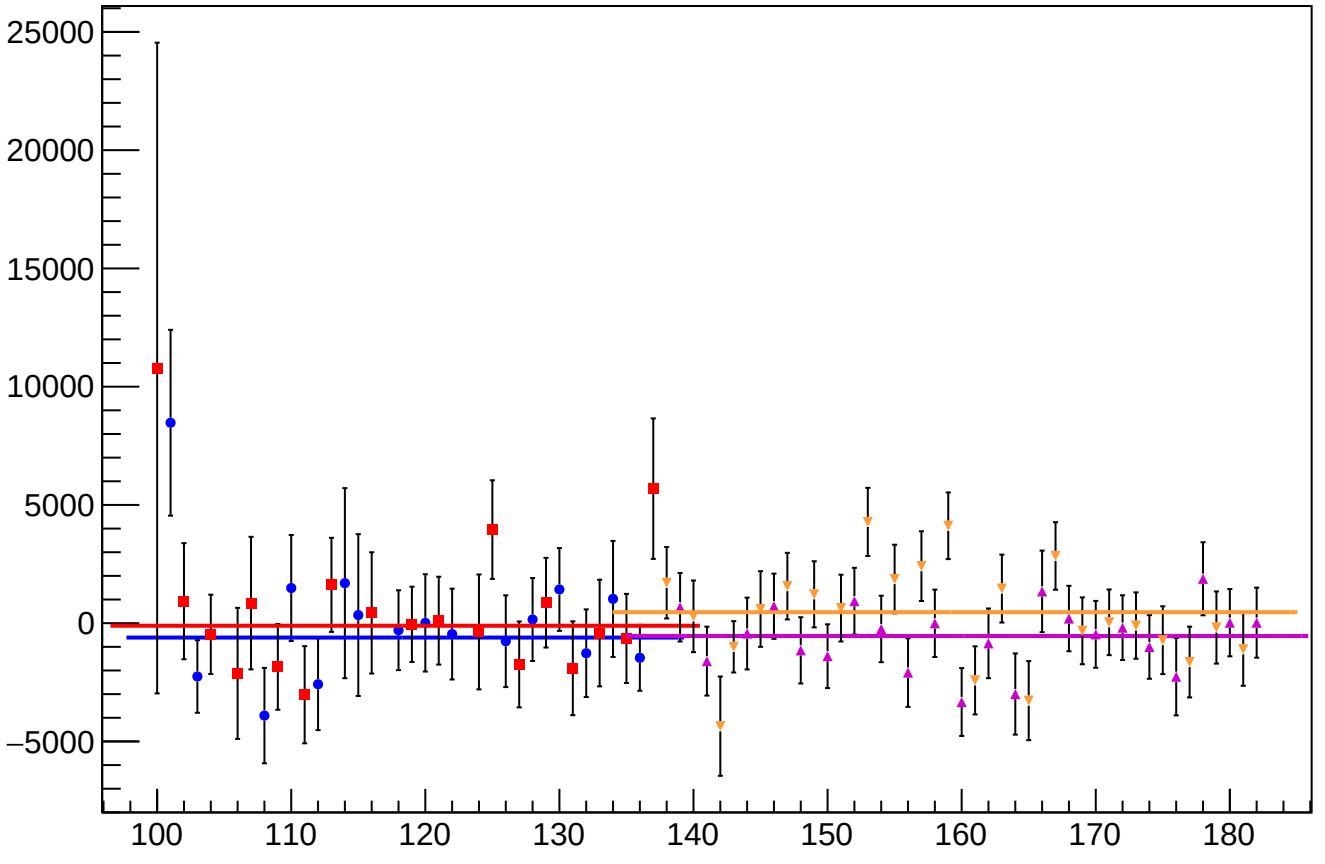
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3665.160+/-0.643 χ²/NDF:3675073.2/22
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4181.297+/-0.711 χ²/NDF:1269133.7/21
Left: 3897.381+/-0.477 χ²/NDF: 5234013.6/44
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3934.615+/-0.566 χ²/NDF:1951582.7/37
Out: 3467.355+/-0.510 χ²/NDF:4579402.4/41
All: 3676.513+/-0.379 χ²/NDF: 6906917.5/79



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 465.770+/-302.813 χ^2/NDF:41.8/22

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -542.806+/-309.764 χ^2/NDF:16.5/21

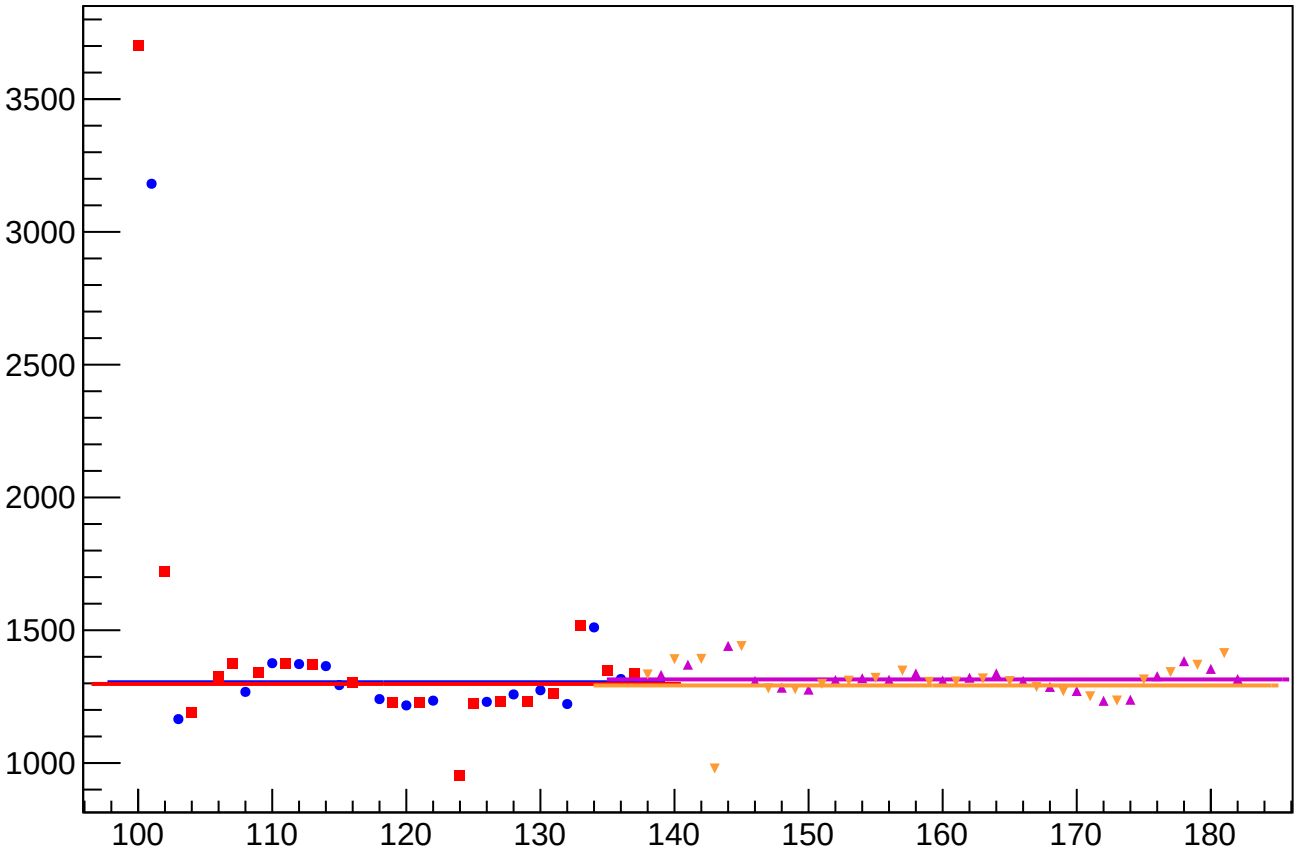
Left: -27.076+/-216.537 χ^2/NDF: 63.7/44

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -561.148+/-262.464 χ^2/NDF:30.6/37

Out: 304.929+/-256.941 χ^2/NDF:57.7/41

All: -118.902+/-183.606 χ^2/NDF: 93.9/79



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1292.099+/-0.214 χ^2/NDF:229751.7/22

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.793+/-0.219 χ^2/NDF:42303.0/21

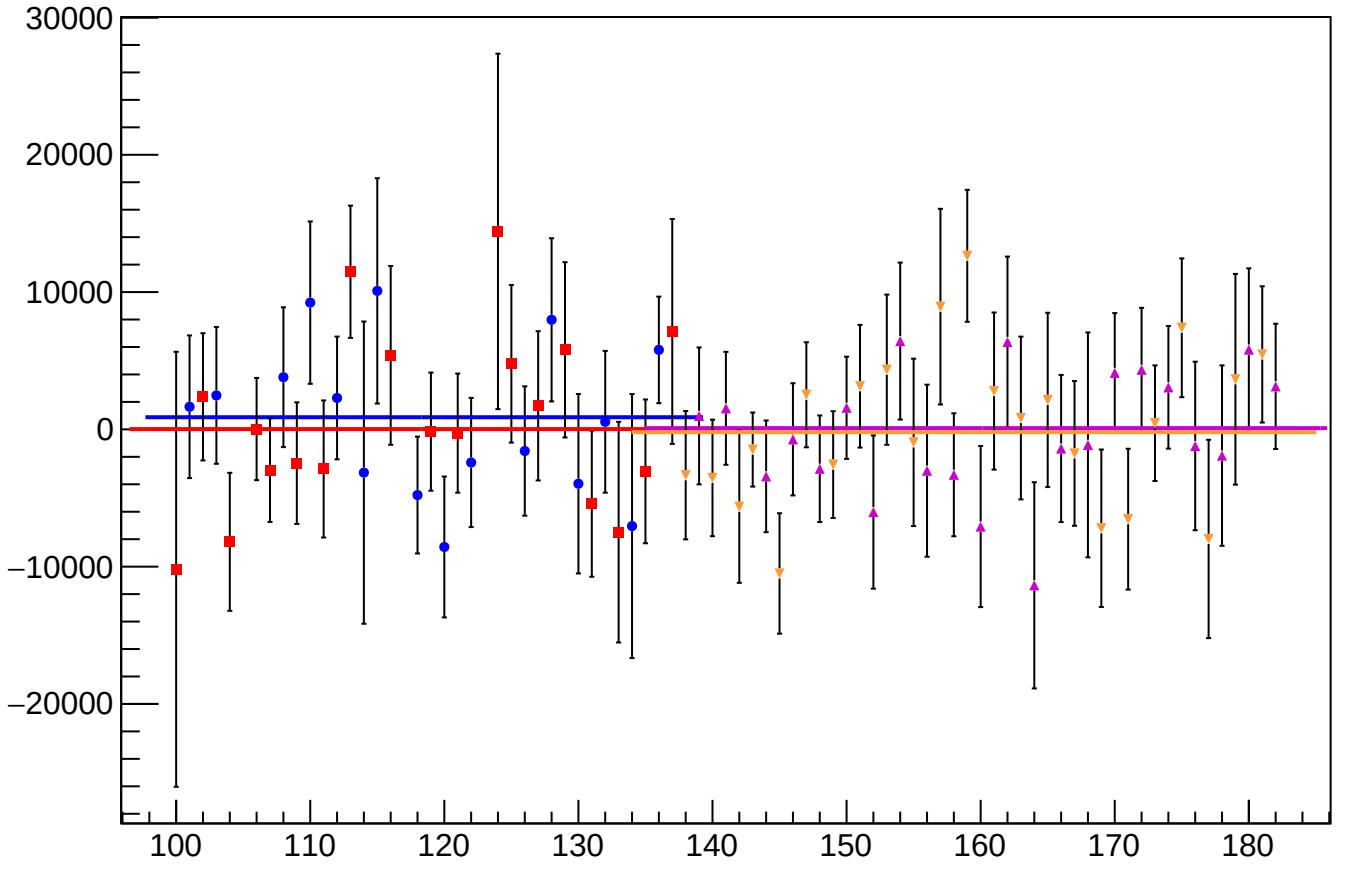
Left: 1303.189+/-0.153 χ^2/NDF: 277543.7/44

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1311.777+/-0.186 χ^2/NDF:553564.3/37

Out: 1293.696+/-0.182 χ^2/NDF:443047.0/41

All: 1302.543+/-0.130 χ^2/NDF: 1001459.2/79



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -201.438+/-1004.291 χ^2/NDF:27.2/22

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 89.972+/-1055.954 χ^2/NDF:13.6/21

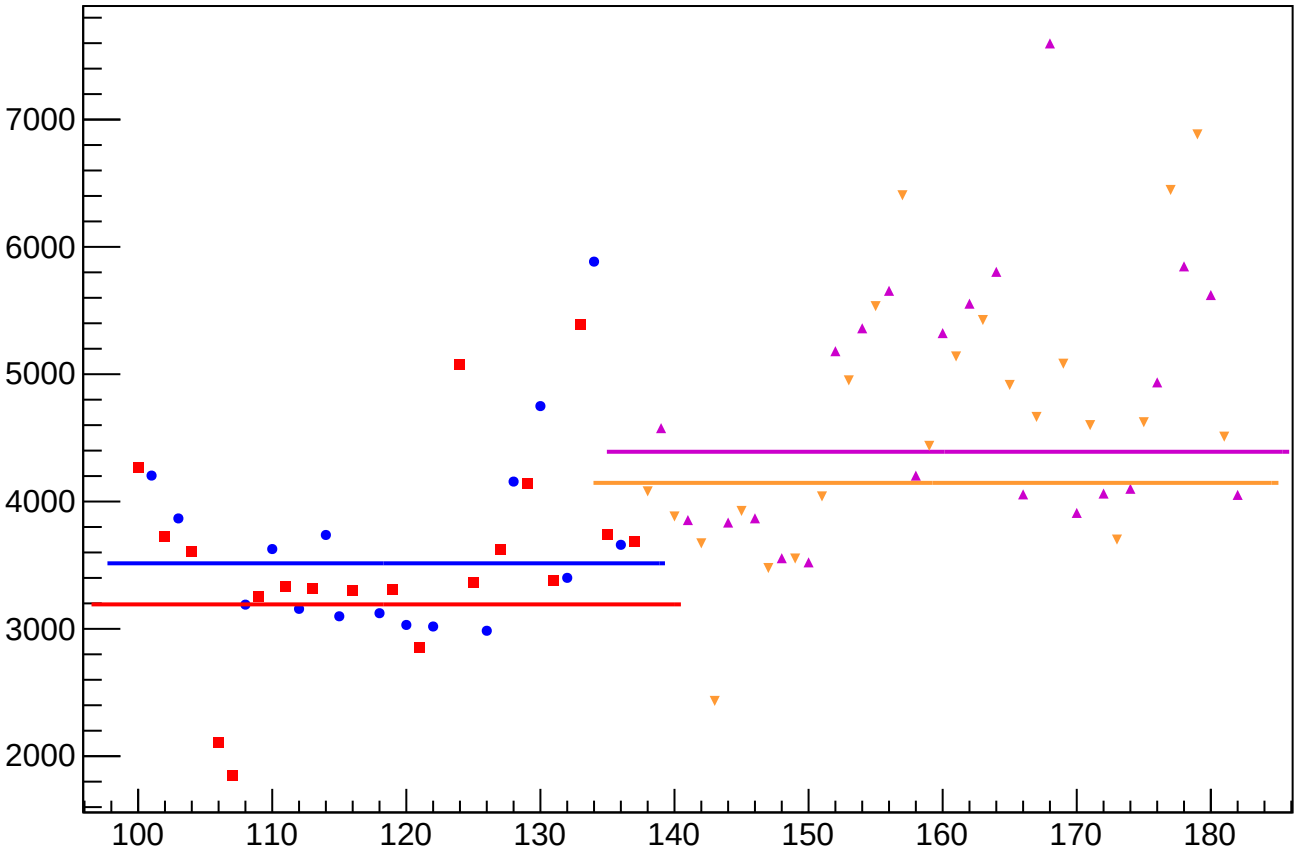
Left: -63.036+/-727.720 χ^2/NDF: 40.8/44

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 397.733+/-826.370 χ^2/NDF:27.9/37

Out: -109.946+/-770.166 χ^2/NDF:44.1/41

All: 126.043+/-563.412 χ^2/NDF: 72.2/79



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4146.558+/-0.710 χ^2/NDF:2077011.7/22

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4390.854+/-0.747 χ^2/NDF:1251583.3/21

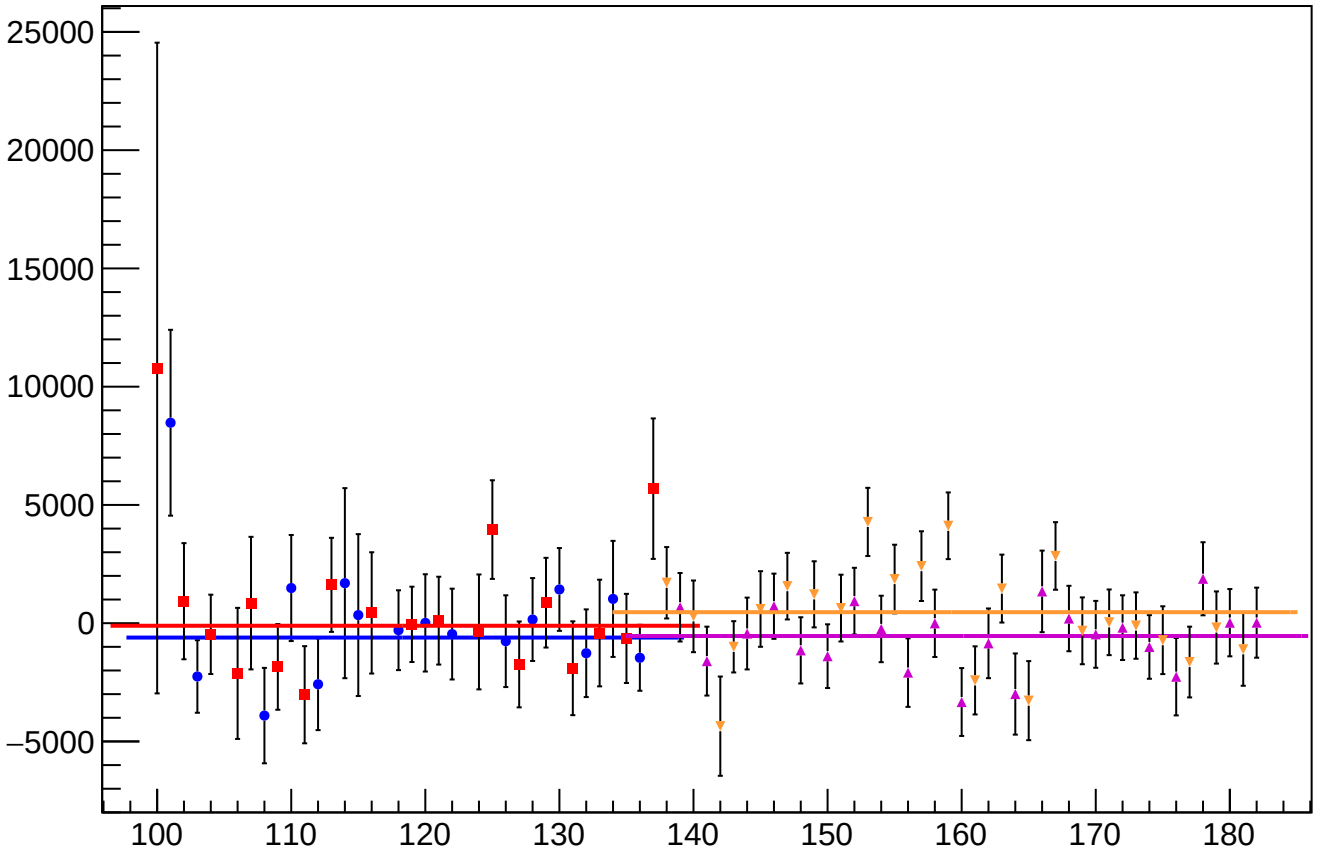
Left: 4262.584+/-0.515 χ^2/NDF: 3384801.1/44

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4051.304+/-0.584 χ^2/NDF:2160245.0/37

Out: 3753.456+/-0.545 χ^2/NDF:3593425.4/41

All: 3891.908+/-0.398 χ^2/NDF: 5892714.7/79



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 465.773+/-302.814 χ^2/NDF:41.8/22

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -542.806+/-309.764 χ^2/NDF:16.5/21

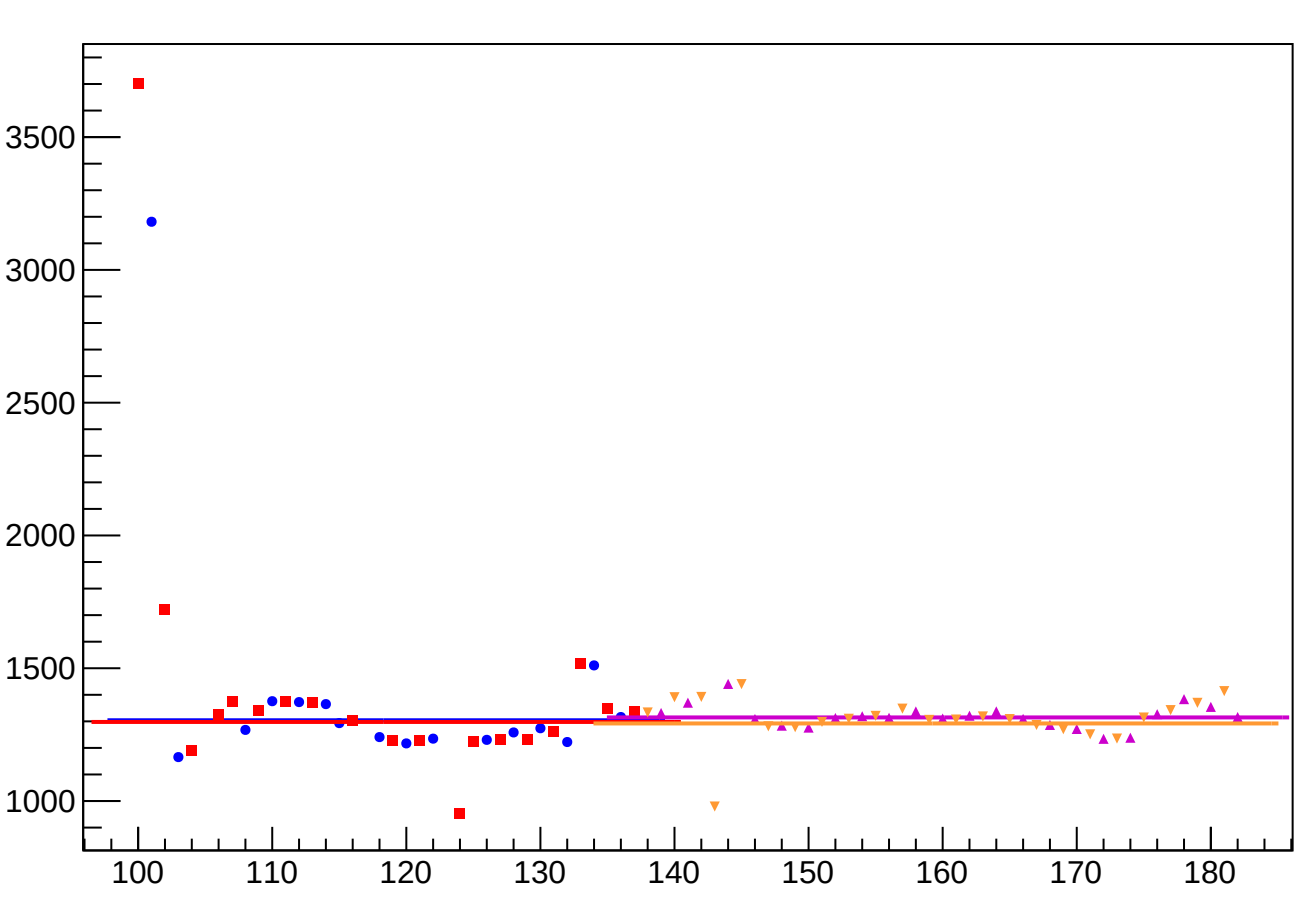
Left: -27.075+/-216.537 χ^2/NDF: 63.7/44

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -561.149+/-262.464 χ^2/NDF:30.6/37

Out: 304.929+/-256.942 χ^2/NDF:57.7/41

All: -118.902+/-183.607 χ^2/NDF: 93.9/79



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1292.100+/-0.214 χ^2/NDF:229754.2/22

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.794+/-0.219 χ^2/NDF:42305.1/21

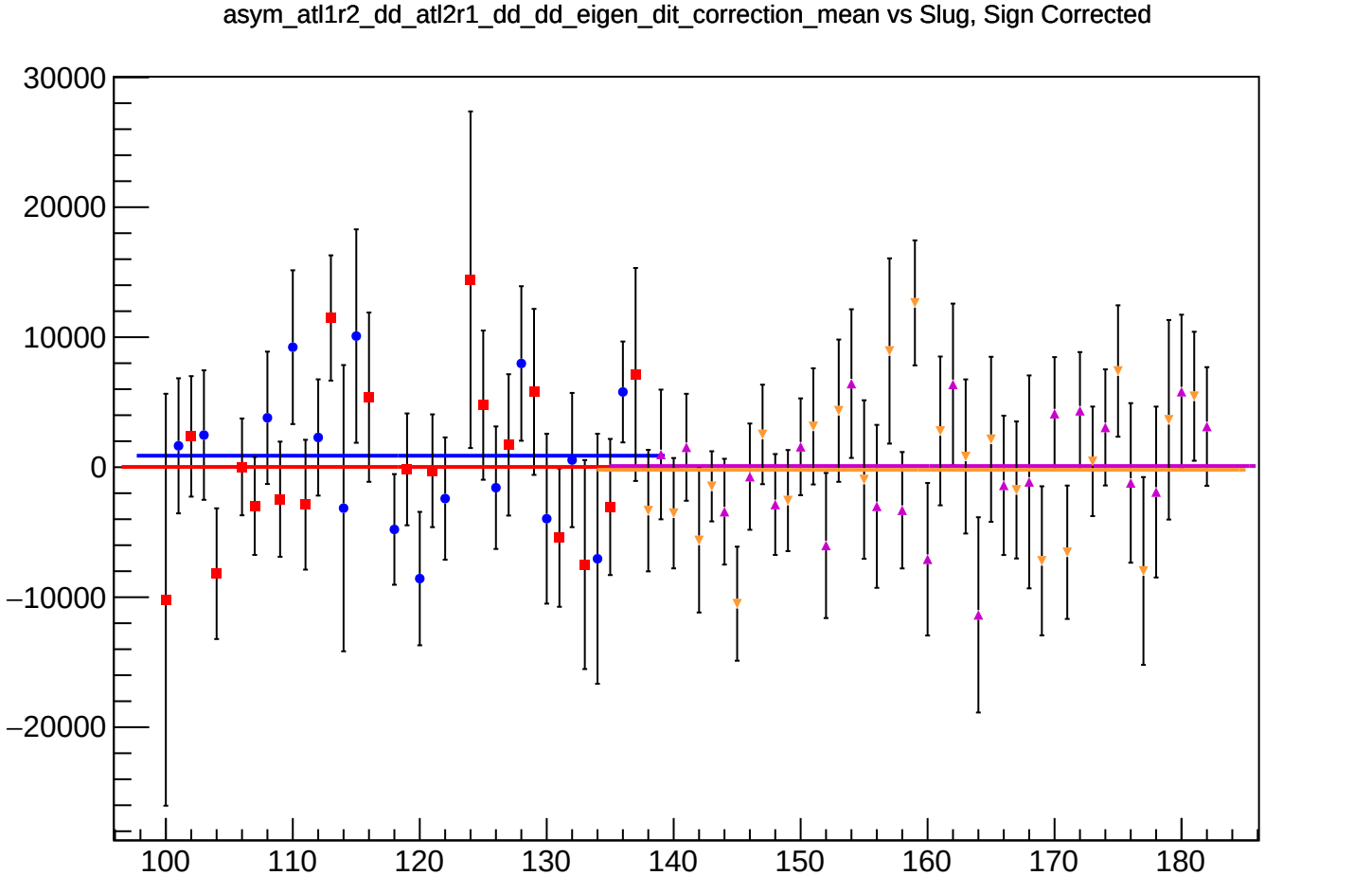
Left: 1303.190+/-0.153 χ^2/NDF: 277548.4/44

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1311.778+/-0.186 χ^2/NDF:553566.8/37

Out: 1293.697+/-0.182 χ^2/NDF:443049.5/41

All: 1302.544+/-0.130 χ^2/NDF: 1001464.2/79



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -201.435+/-1004.293 χ^2/NDF:27.2/22

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 89.973+/-1055.956 χ^2/NDF:13.6/21

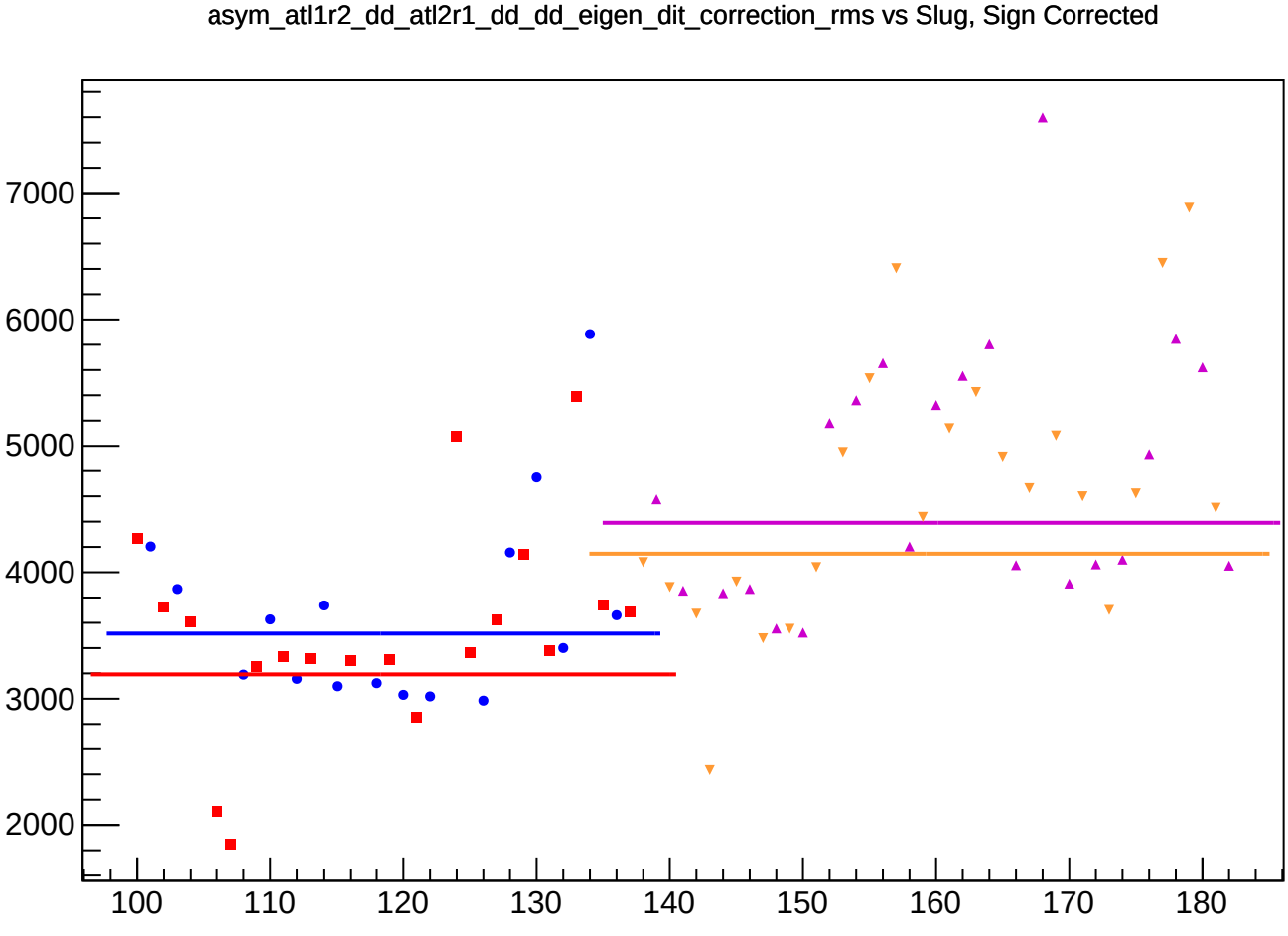
Left: -63.034+/-727.721 χ^2/NDF: 40.8/44

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 397.731+/-826.370 χ^2/NDF:27.9/37

Out: -109.946+/-770.166 χ^2/NDF:44.1/41

All: 126.042+/-563.412 χ^2/NDF: 72.2/79



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4146.564+/-0.710 χ^2/NDF:2077014.6/22

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4390.861+/-0.747 χ^2/NDF:1251587.6/21

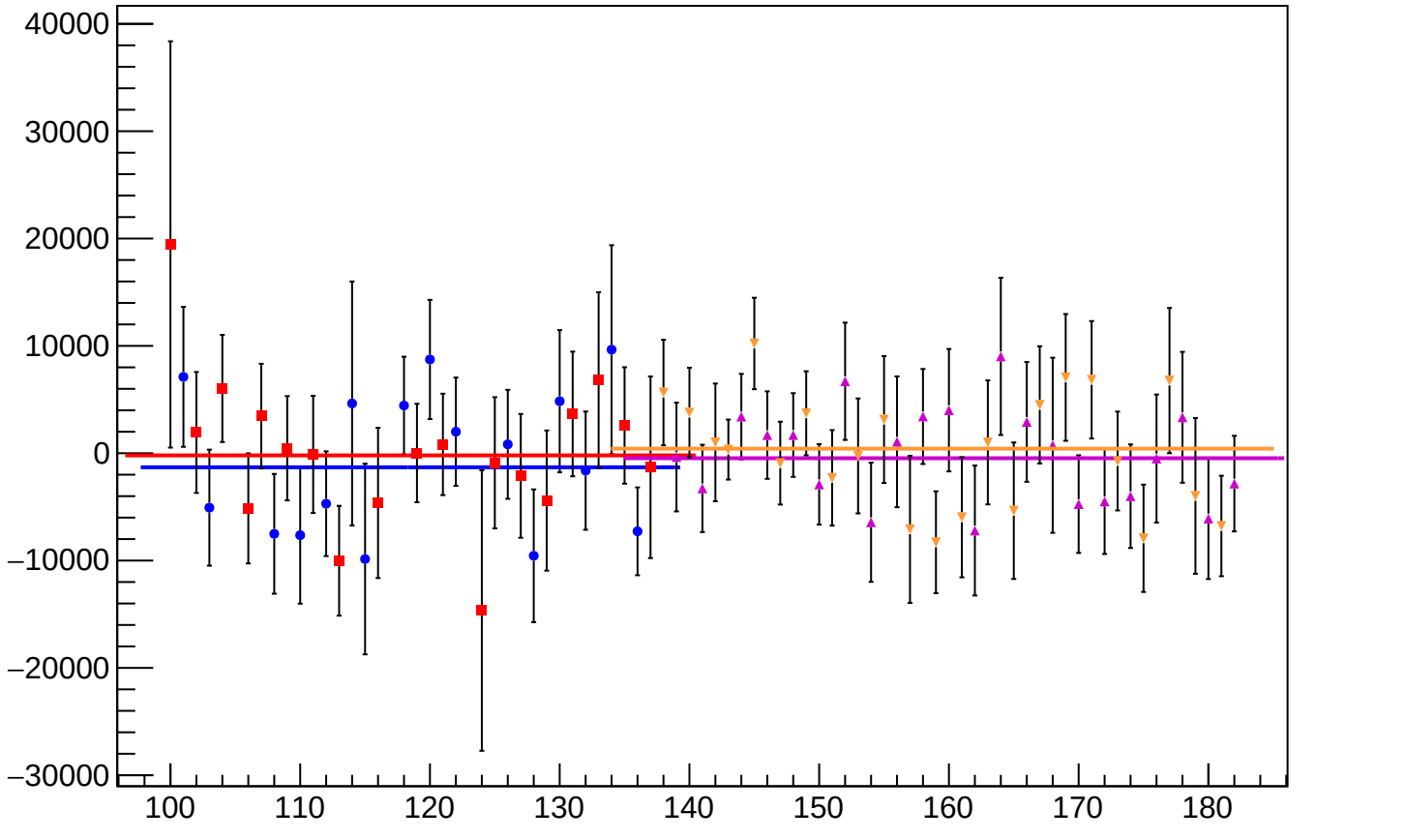
Left: 4262.591+/-0.515 χ^2/NDF: 3384808.2/44

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4051.303+/-0.584 χ^2/NDF:2160273.7/37

Out: 3753.455+/-0.545 χ^2/NDF:3593453.8/41

All: 3891.907+/-0.398 χ^2/NDF: 5892771.9/79



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 425.460+/-1008.552 χ^2/NDF:24.9/22

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -465.712+/-1055.508 χ^2/NDF:13.8/21

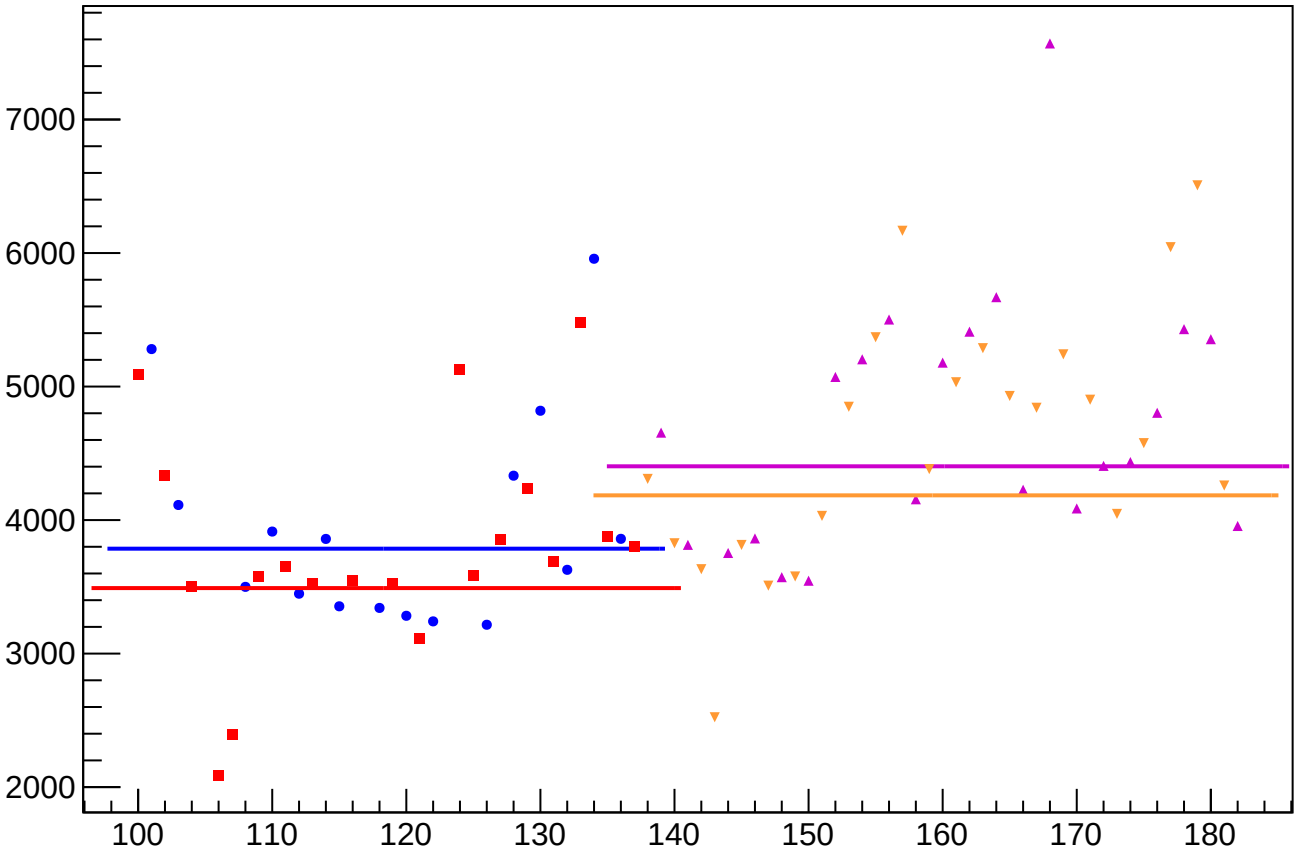
Left: 0.137+/-729.189 χ^2/NDF: 39.1/44

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -762.804+/-849.565 χ^2/NDF:31.6/37

Out: 197.848+/-804.957 χ^2/NDF:36.7/41

All: -256.596+/-584.324 χ^2/NDF: 69.0/79



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4185.197+/-0.713 χ^2/NDF:1796091.9/22

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4402.755+/-0.746 χ^2/NDF:1082128.6/21

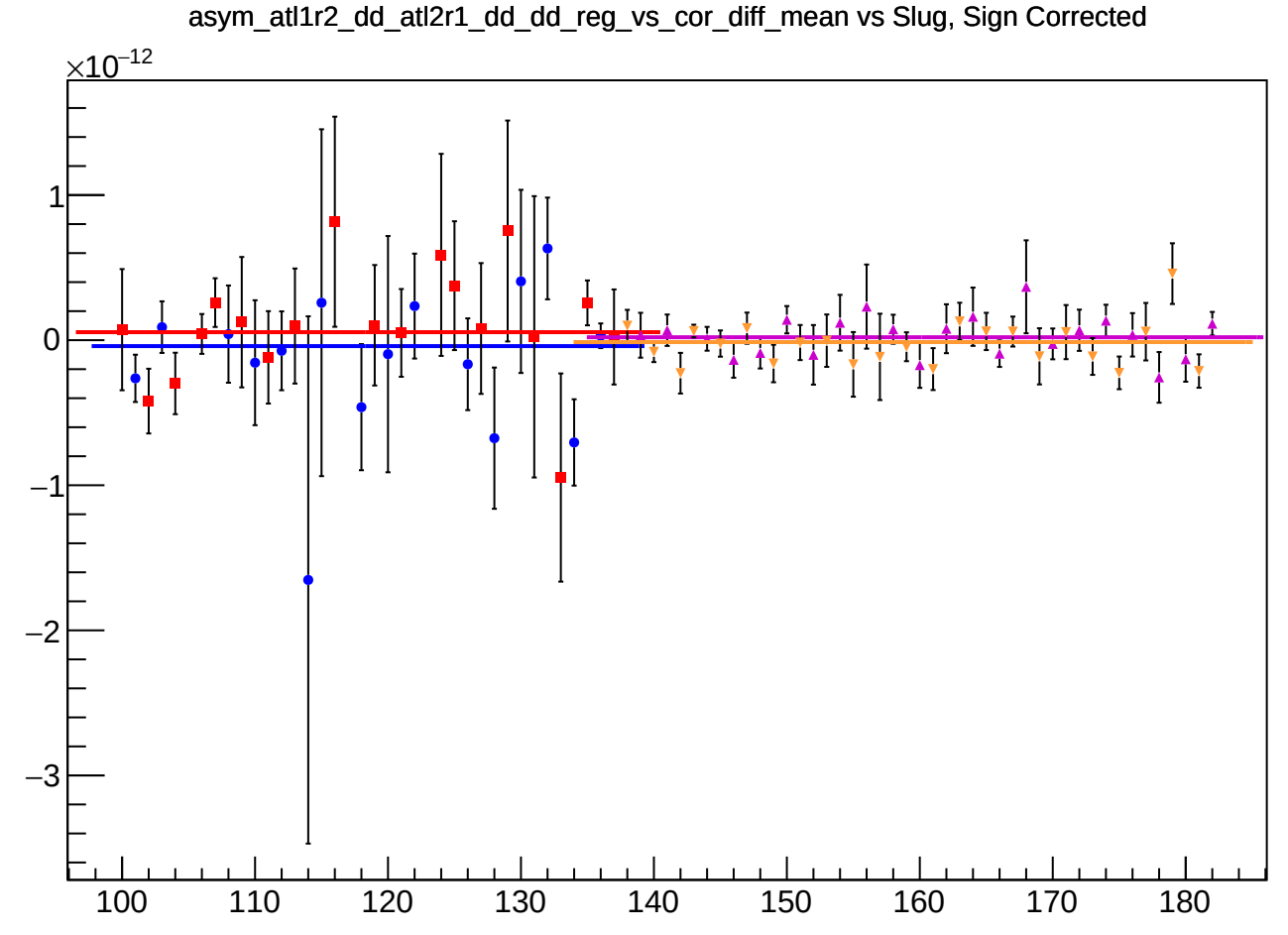
Left: 4289.029+/-0.516 χ^2/NDF: 2922636.6/44

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4185.479+/-0.601 χ^2/NDF:1705774.3/37

Out: 3928.646+/-0.566 χ^2/NDF:2733179.7/41

All: 4049.500+/-0.412 χ^2/NDF: 4535728.2/79



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/21

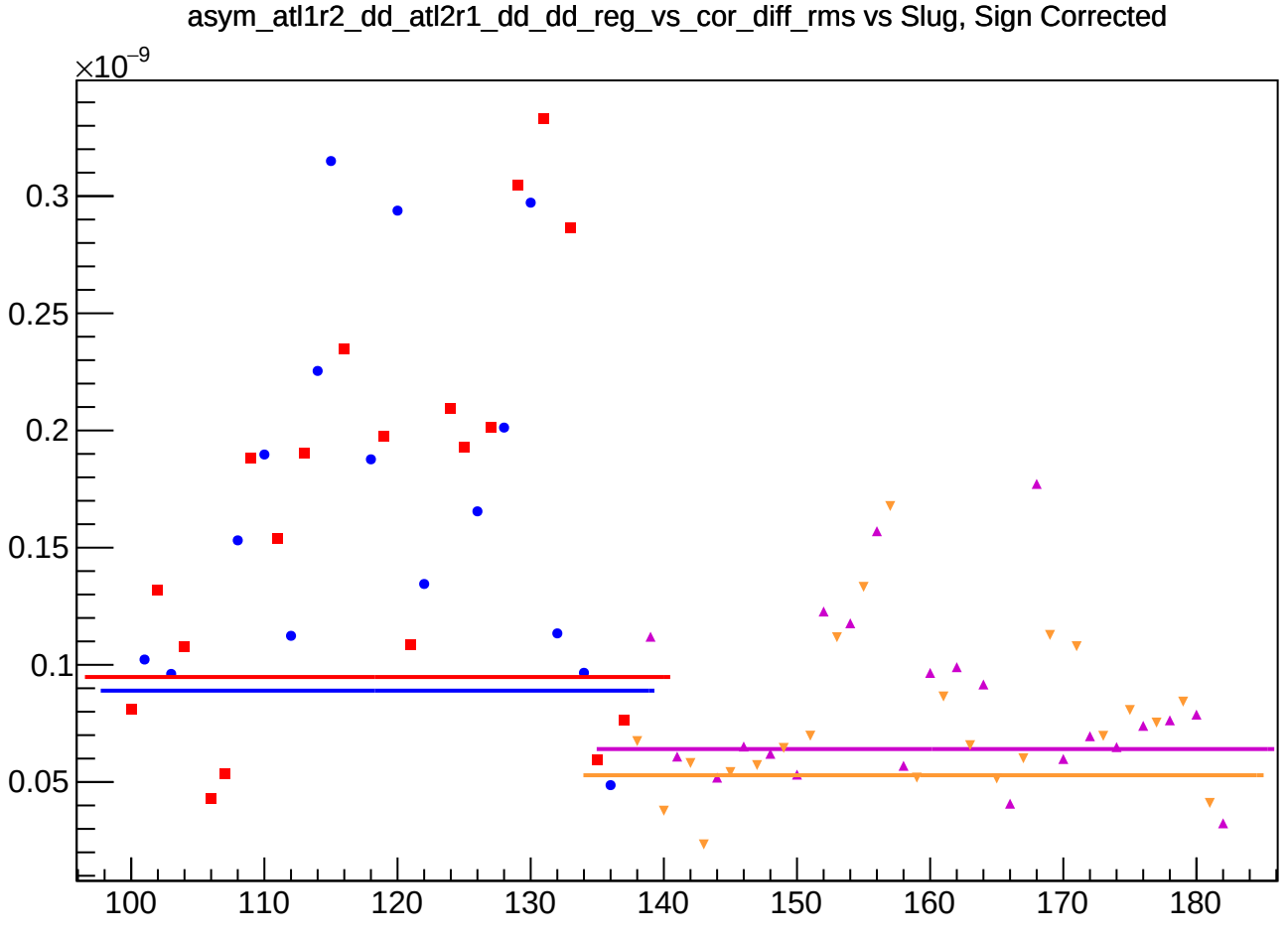
Left: 0.000+/-0.000 χ^2/NDF: 44.4/44

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:34.5/37

Out: -0.000+/-0.000 χ^2/NDF:43.5/41

All: 0.000+/-0.000 χ^2/NDF: 78.2/79



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2614098.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1736248.0/21

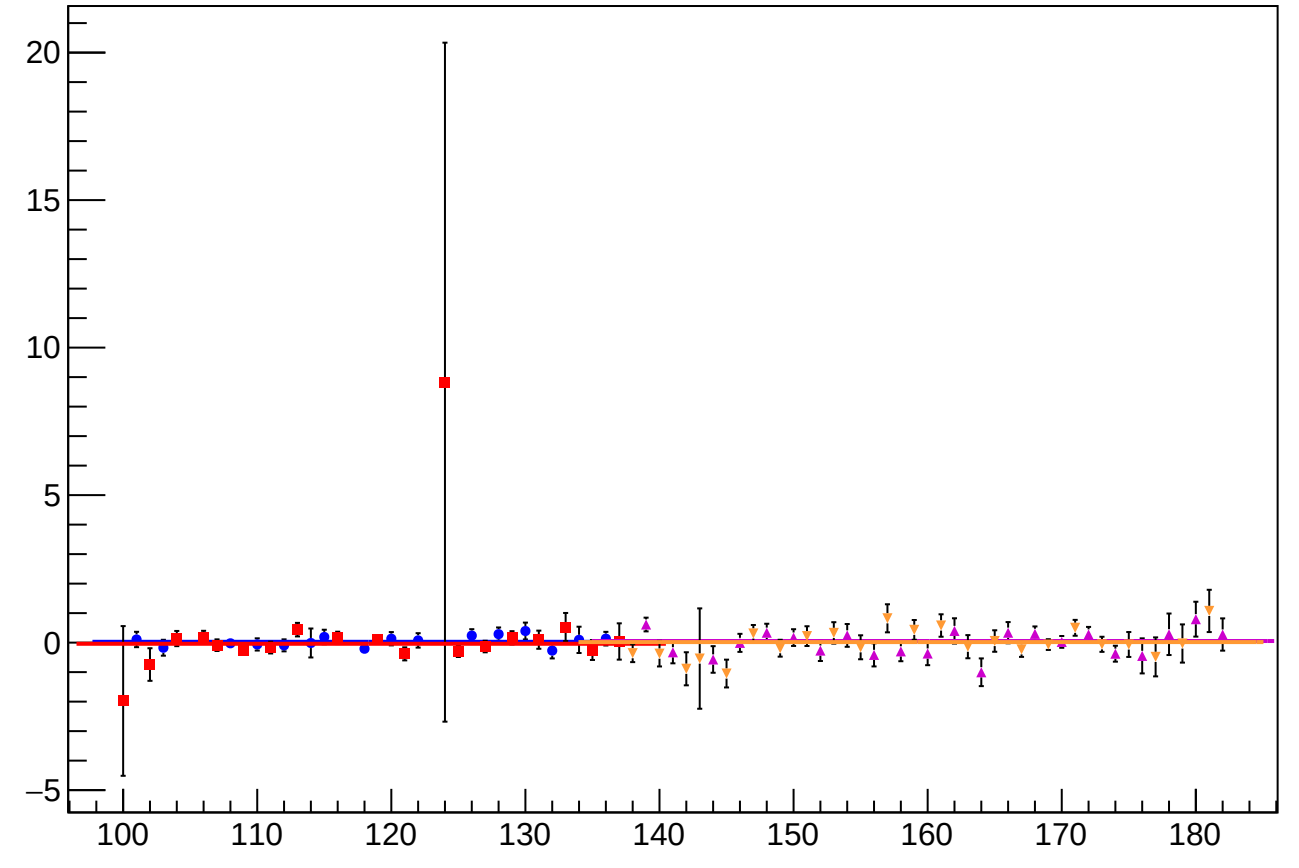
Left: 0.000+/-0.000 χ^2/NDF: 4555526.9/44

Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3493949.7/37

Out: 0.000+/-0.000 χ^2/NDF:5111328.0/41

All: 0.000+/-0.000 χ^2/NDF: 8823122.8/79



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.018+/-0.072 χ^2/NDF:27.0/22

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.054+/-0.071 χ^2/NDF:27.7/21

Left: 0.037+/-0.051 χ^2/NDF: 54.9/44

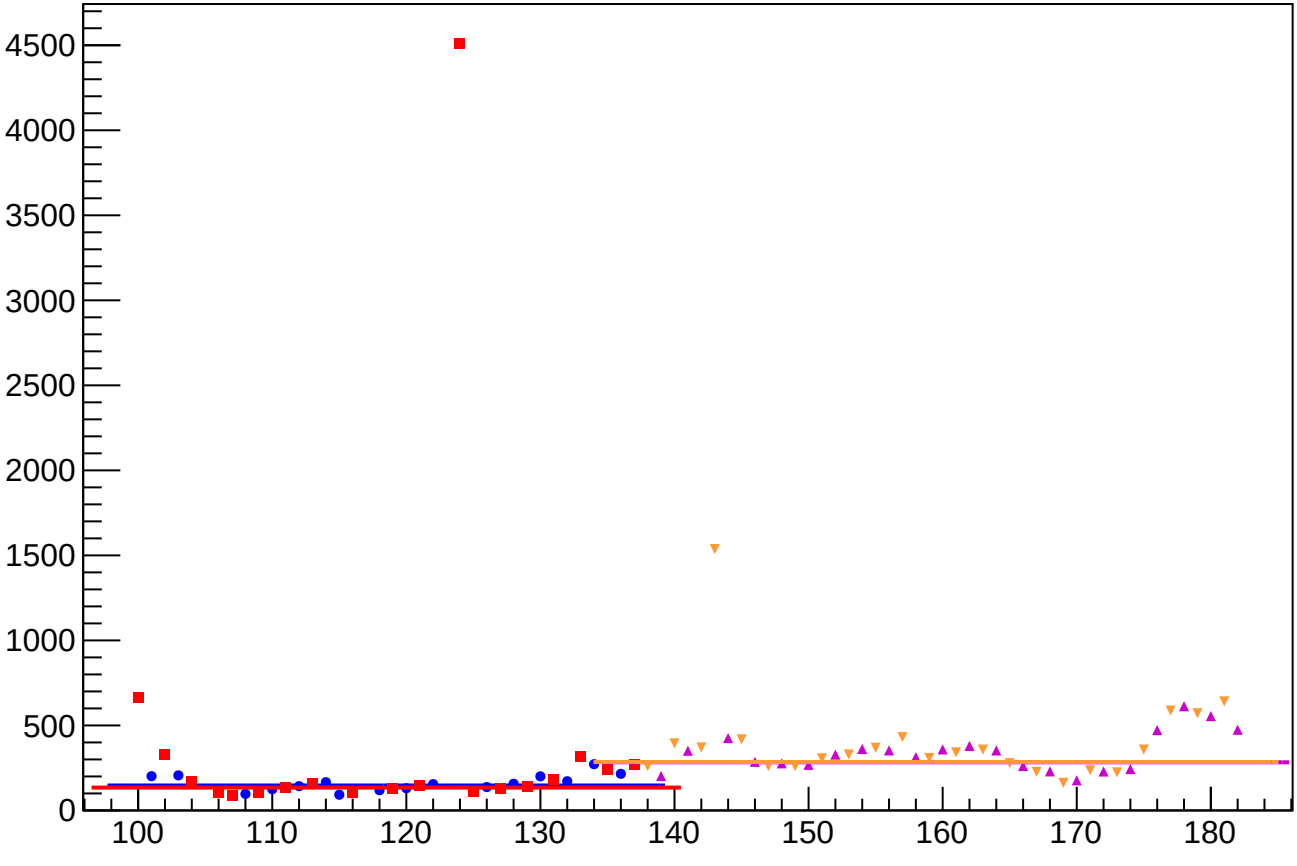
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.018+/-0.044 χ^2/NDF:47.4/41

All: 0.009+/-0.031 χ^2/NDF: 85.5/79

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: 285.190+/-0.051 χ^2/NDF:4442266.0/22

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 283.124+/-0.050 χ^2/NDF:3030589.5/21

Left: 284.136+/-0.036 χ^2/NDF: 7473691.8/44

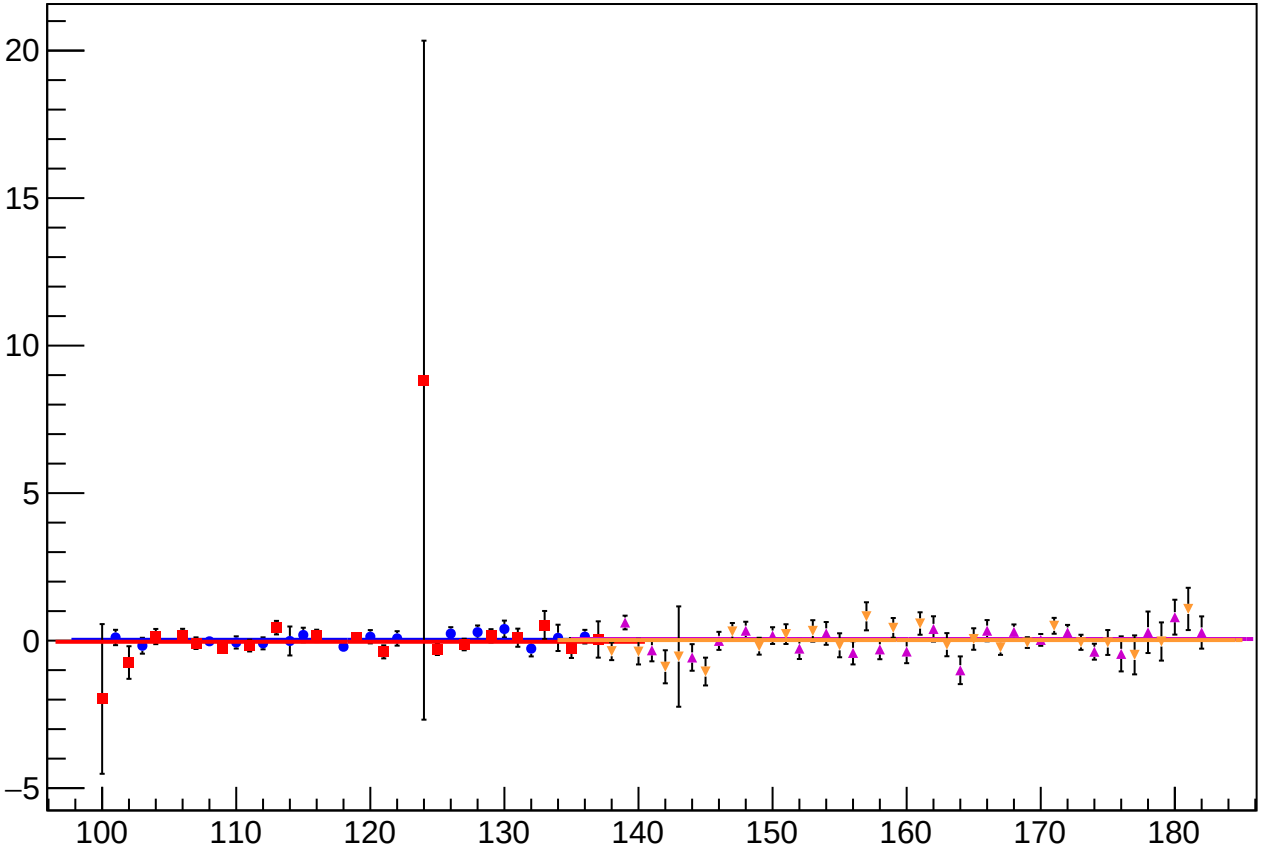
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 201.288+/-0.032 χ^2/NDF:8487835.3/37

Out: 189.624+/-0.031 χ^2/NDF:11584381.2/41

All: 195.312+/-0.022 χ^2/NDF: 20141946.9/79

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: 0.018+/-0.072 χ^2/NDF:27.0/22

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.054+/-0.071 χ^2/NDF:27.7/21

Left: 0.037+/-0.051 χ^2/NDF: 54.9/44

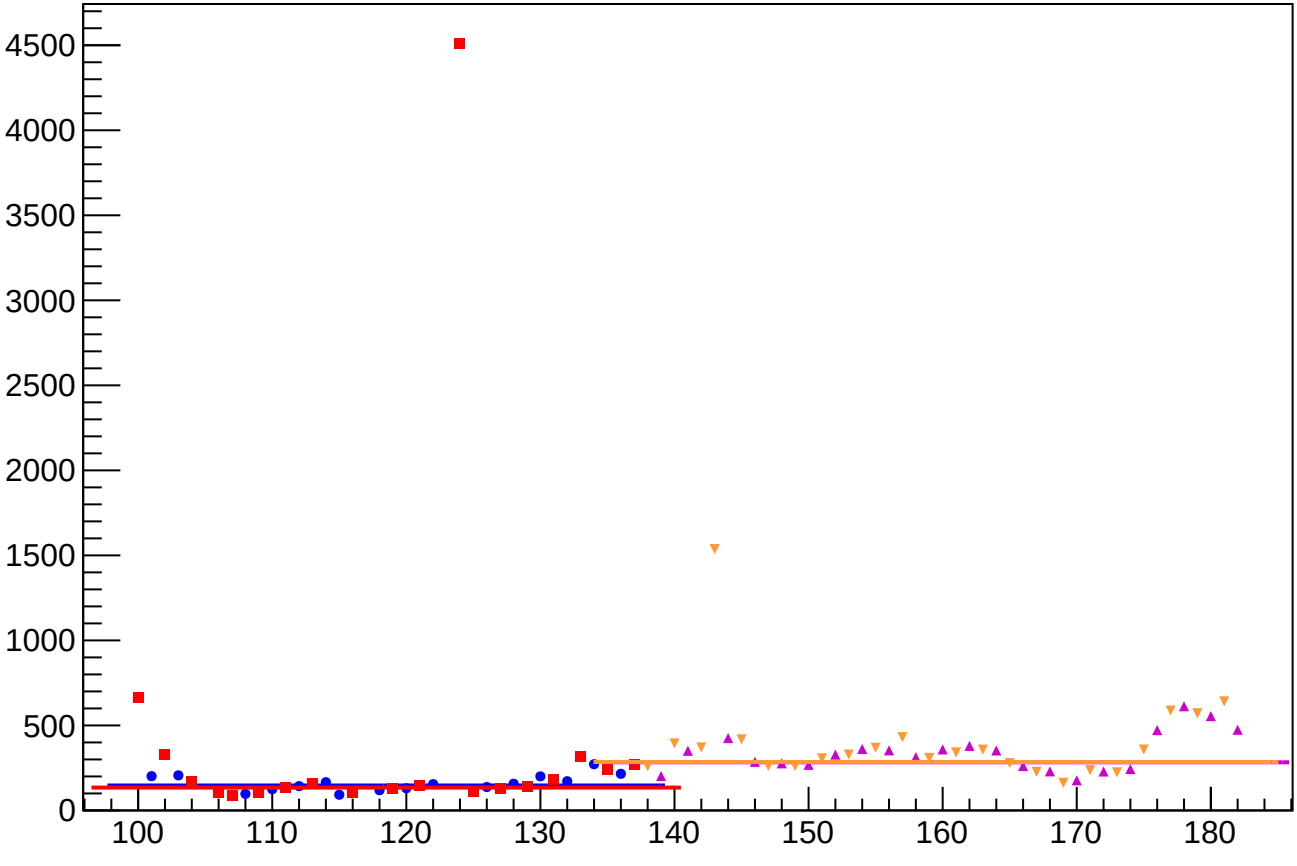
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.018+/-0.044 χ^2/NDF:47.4/41

All: 0.009+/-0.031 χ^2/NDF: 85.5/79

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: 285.190+/-0.051 χ^2/NDF:4442266.0/22

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 283.124+/-0.050 χ^2/NDF:3030589.5/21

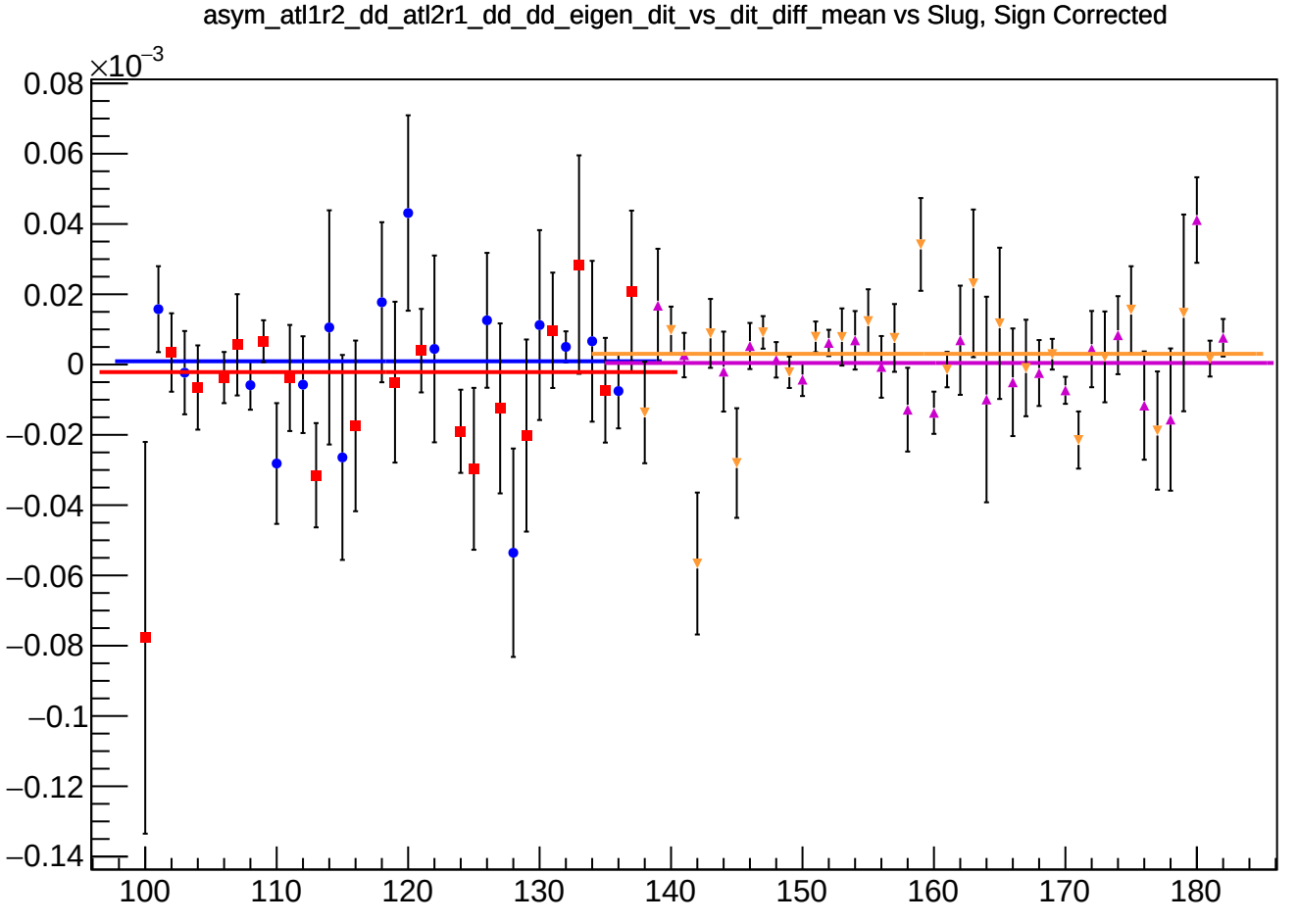
Left: 284.136+/-0.036 χ^2/NDF: 7473691.8/44

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 201.288+/-0.032 χ^2/NDF:8487835.3/37

Out: 189.624+/-0.031 χ^2/NDF:11584381.2/41

All: 195.312+/-0.022 χ^2/NDF: 20141946.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.0/22

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

Left In: 0.000+/-0.000 χ^2/NDF:32.0/21

Left: 0.000+/-0.000 χ^2/NDF: 74.4/44

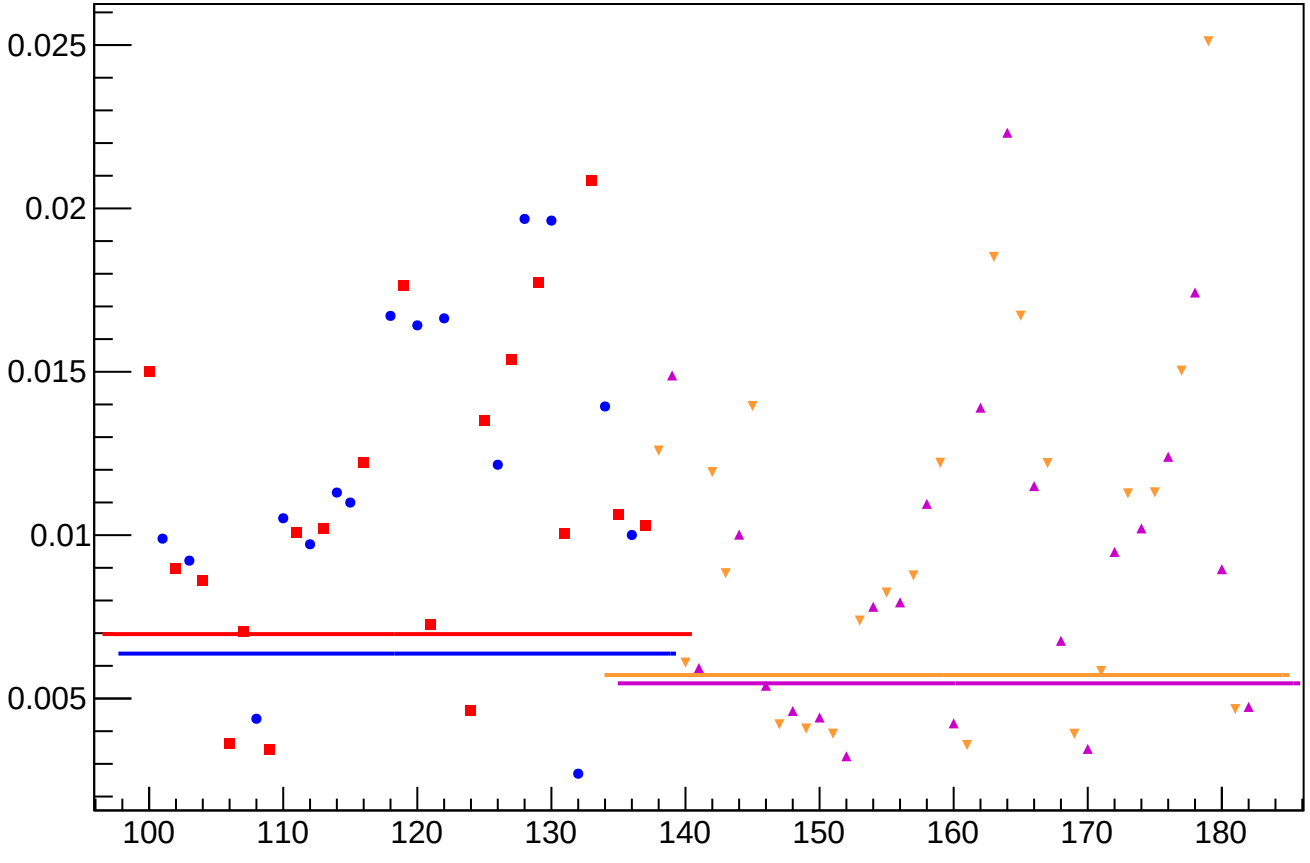
Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:46.9/37

Out: 0.000+/-0.000 χ^2/NDF:59.4/41

All: 0.000+/-0.000 χ^2/NDF: 106.8/79

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7997784.9/22

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6796454.6/21

Left: 0.006+/-0.000 χ^2/NDF: 14821432.7/44

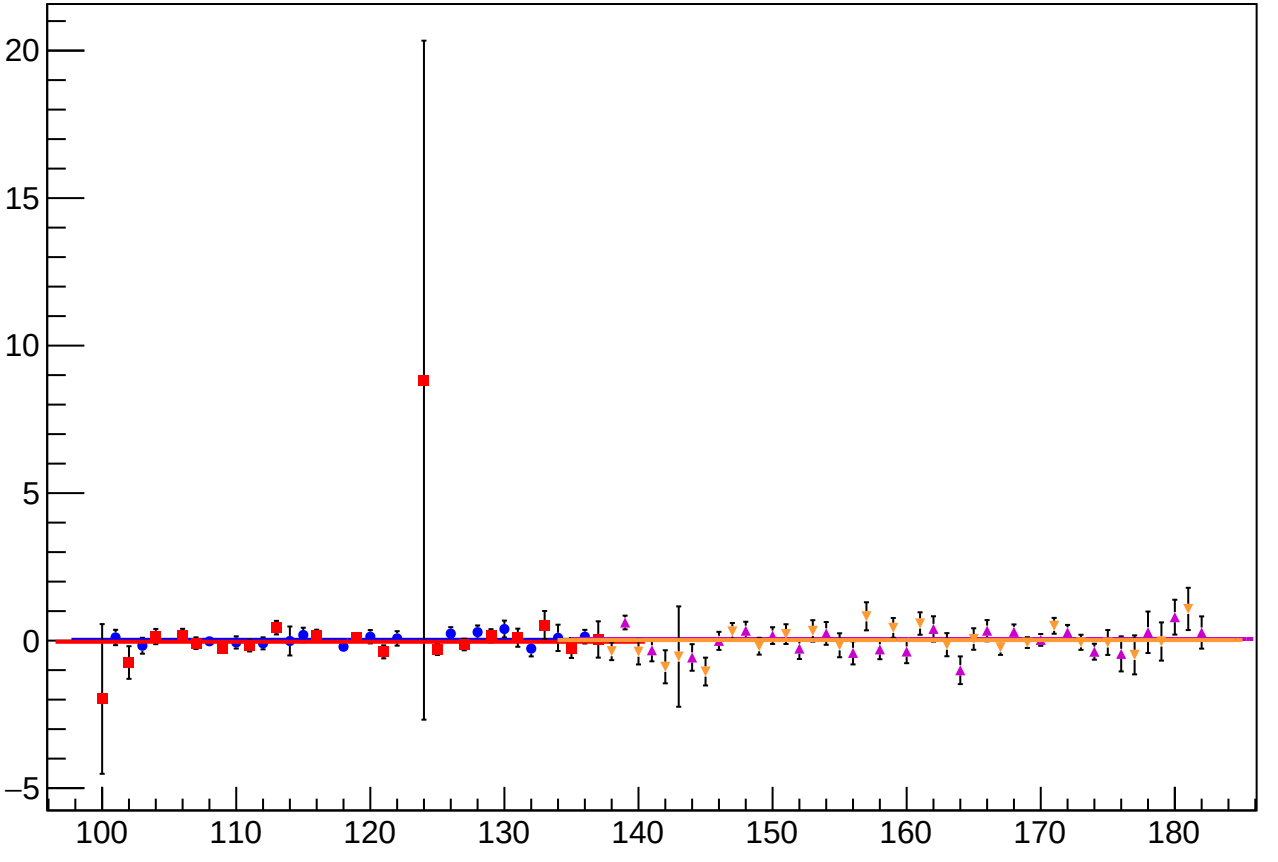
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11588422.5/37

Out: 0.006+/-0.000 χ^2/NDF:11680246.7/41

All: 0.006+/-0.000 χ^2/NDF: 23325506.1/79

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: 0.018+/-0.072 χ^2/NDF:27.0/22

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.054+/-0.071 χ^2/NDF:27.7/21

Left: 0.037+/-0.051 χ^2/NDF: 54.9/44

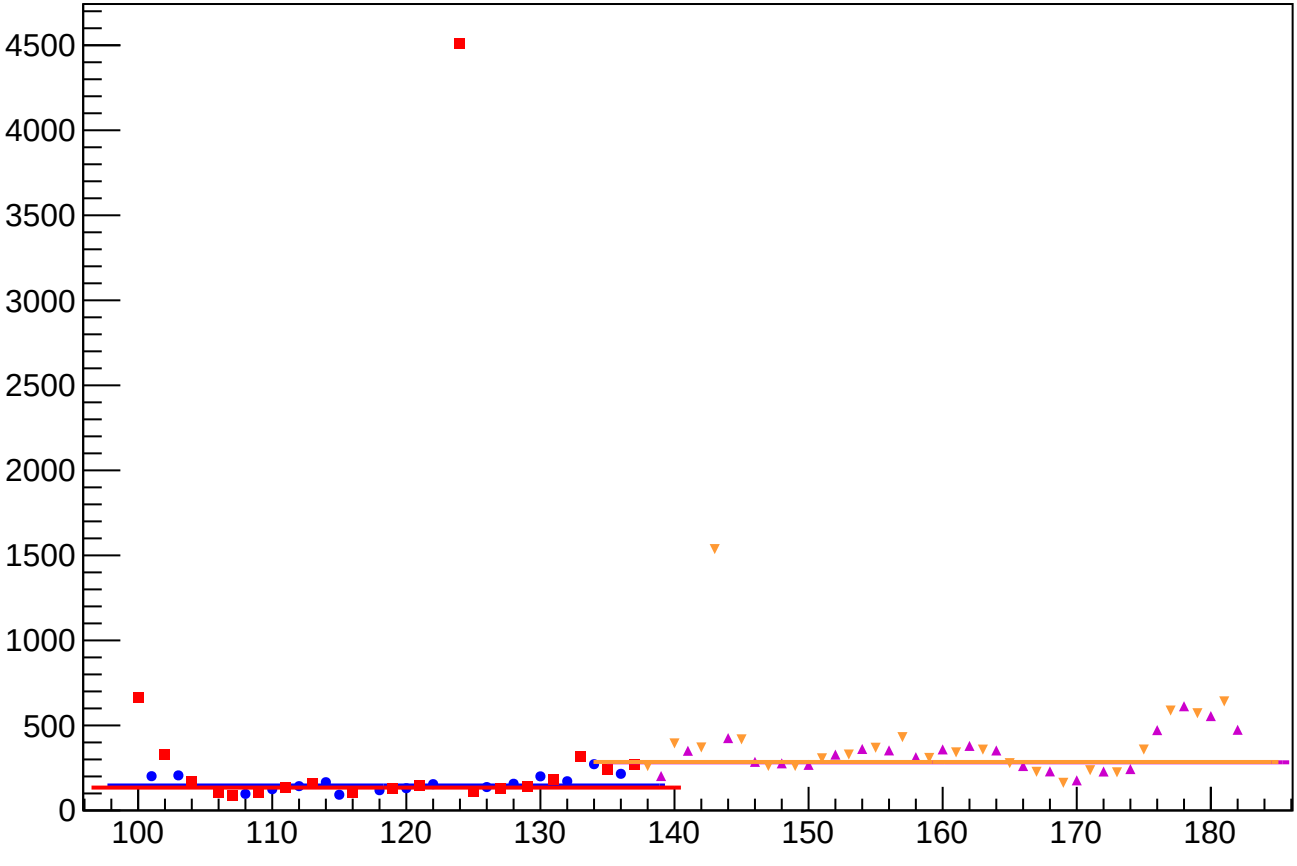
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.018+/-0.044 χ^2/NDF:47.4/41

All: 0.009+/-0.031 χ^2/NDF: 85.5/79

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: 285.190+/-0.051 χ^2/NDF:4442450.0/22

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 283.125+/-0.050 χ^2/NDF:3030693.1/21

Left: 284.137+/-0.036 χ^2/NDF: 7473978.2/44

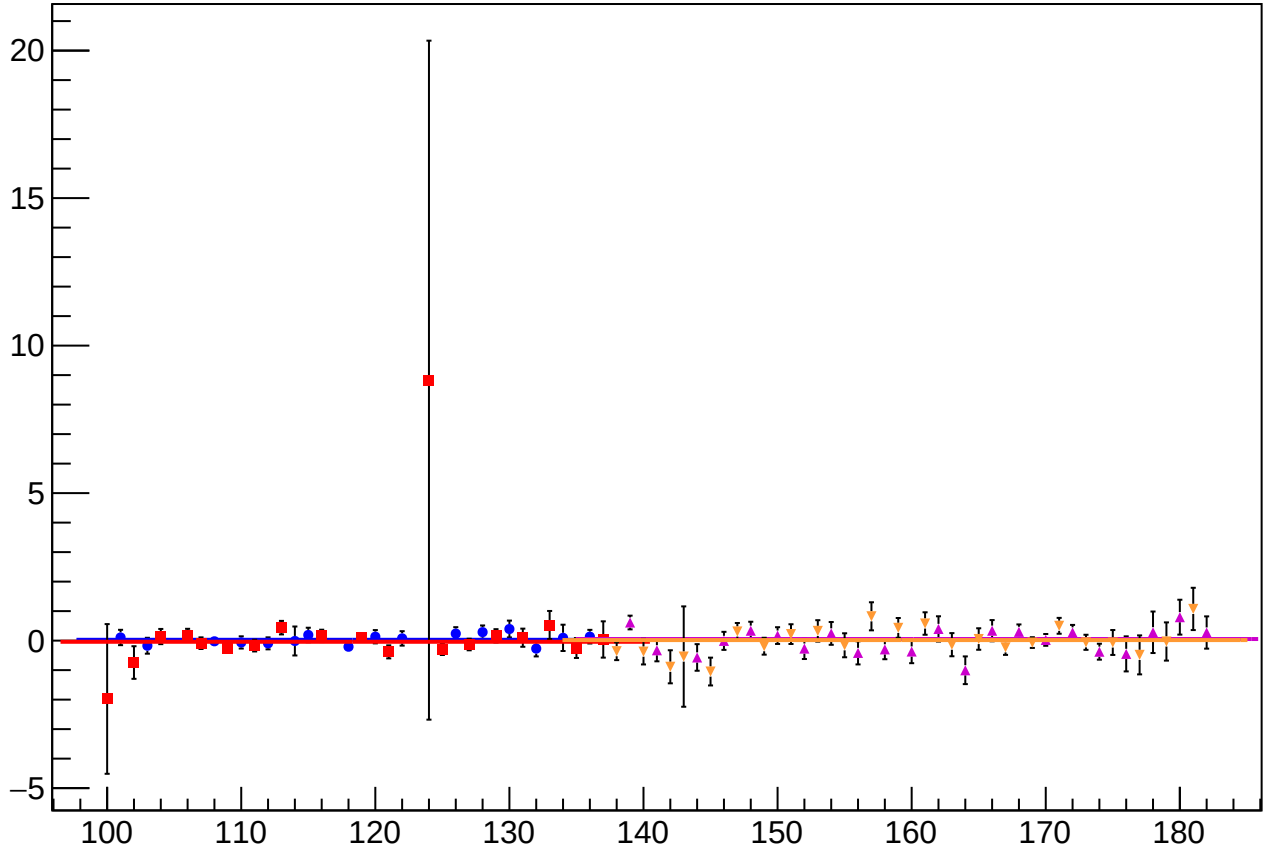
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 201.288+/-0.032 χ^2/NDF:8487953.1/37

Out: 189.625+/-0.031 χ^2/NDF:11584355.6/41

All: 195.313+/-0.022 χ^2/NDF: 20142025.4/79

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: 0.018+/-0.072 χ^2/NDF:27.0/22

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.054+/-0.071 χ^2/NDF:27.7/21

Left: 0.037+/-0.051 χ^2/NDF: 54.9/44

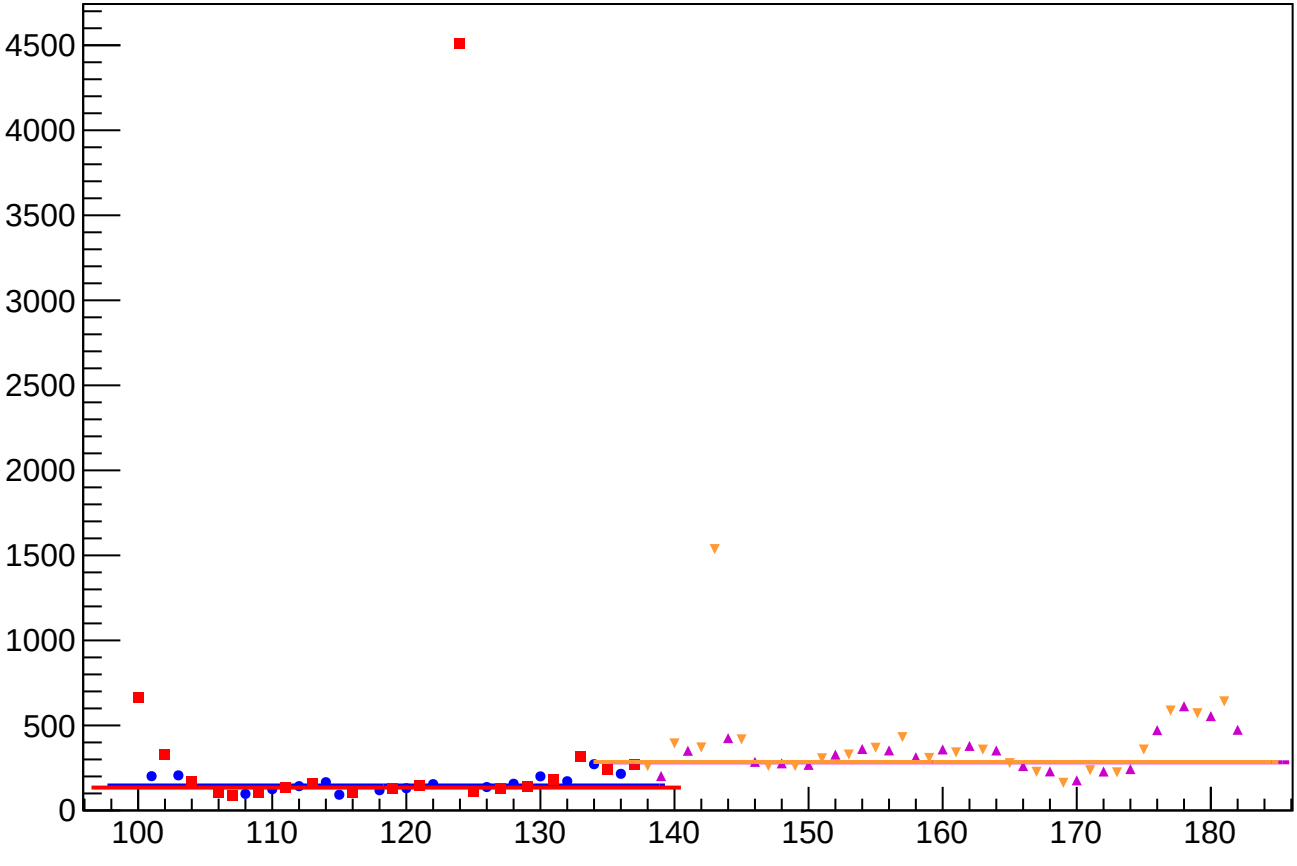
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.018+/-0.044 χ^2/NDF:47.4/41

All: 0.009+/-0.031 χ^2/NDF: 85.5/79

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: 285.190+/-0.051 χ^2/NDF:4442450.0/22

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 283.125+/-0.050 χ^2/NDF:3030693.1/21

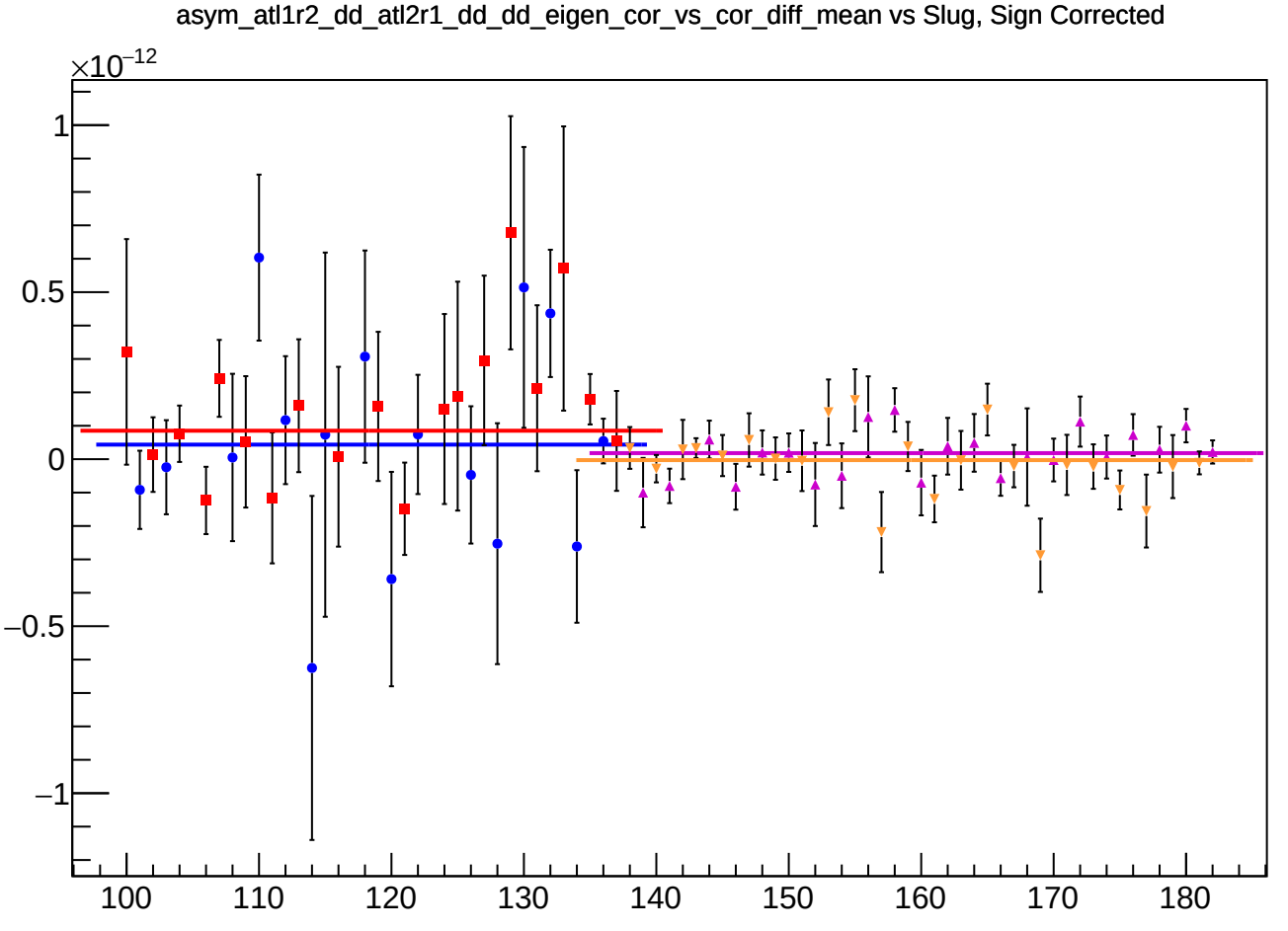
Left: 284.137+/-0.036 χ^2/NDF: 7473978.2/44

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 201.288+/-0.032 χ^2/NDF:8487953.1/37

Out: 189.625+/-0.031 χ^2/NDF:11584355.6/41

All: 195.313+/-0.022 χ^2/NDF: 20142025.4/79



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:21.6/21

Left: 0.000+/-0.000 χ^2/NDF: 53.1/44

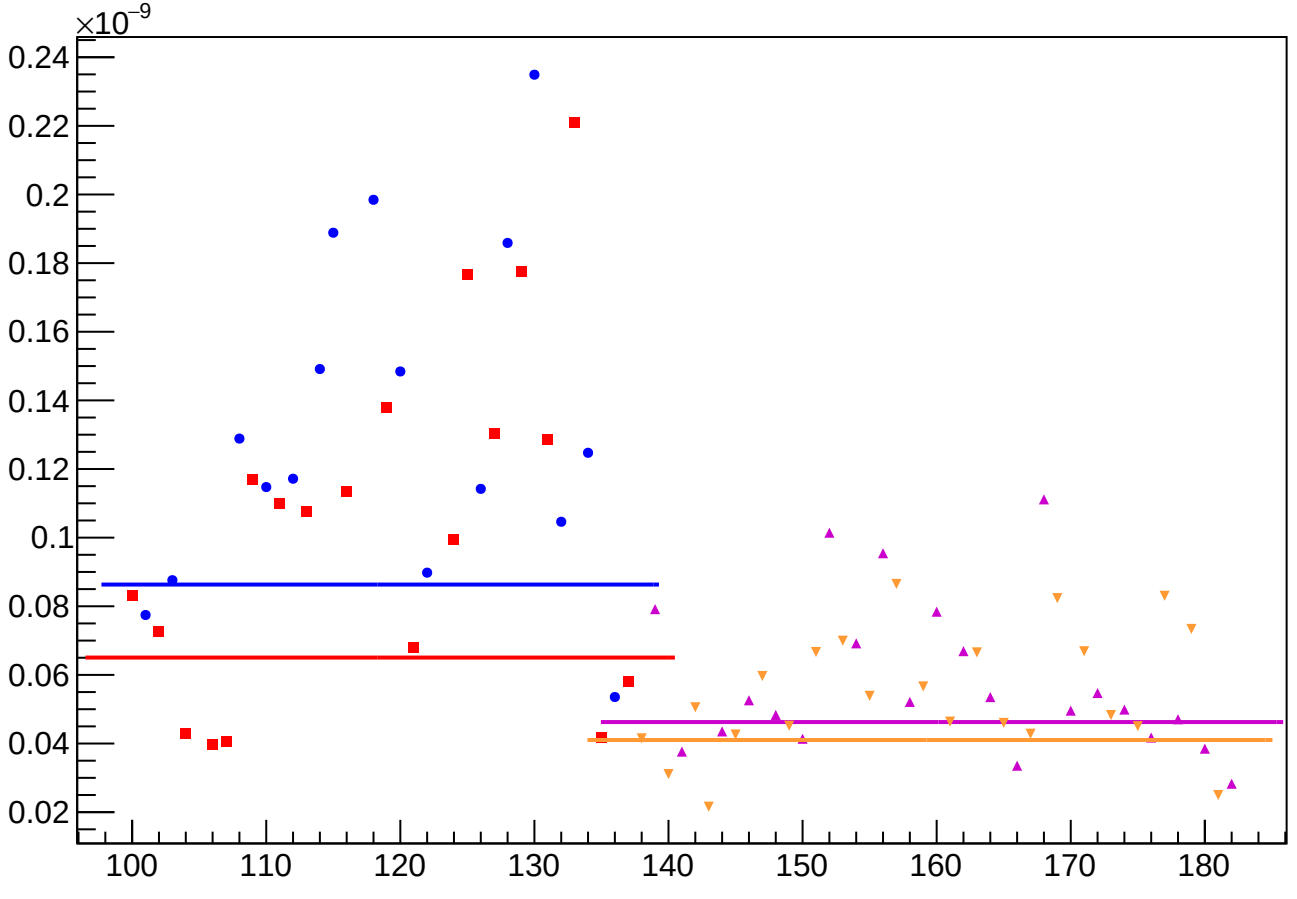
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:40.9/37

Out: 0.000+/-0.000 χ^2/NDF:54.3/41

All: 0.000+/-0.000 χ^2/NDF: 95.7/79

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:3512442.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2636841.6/21

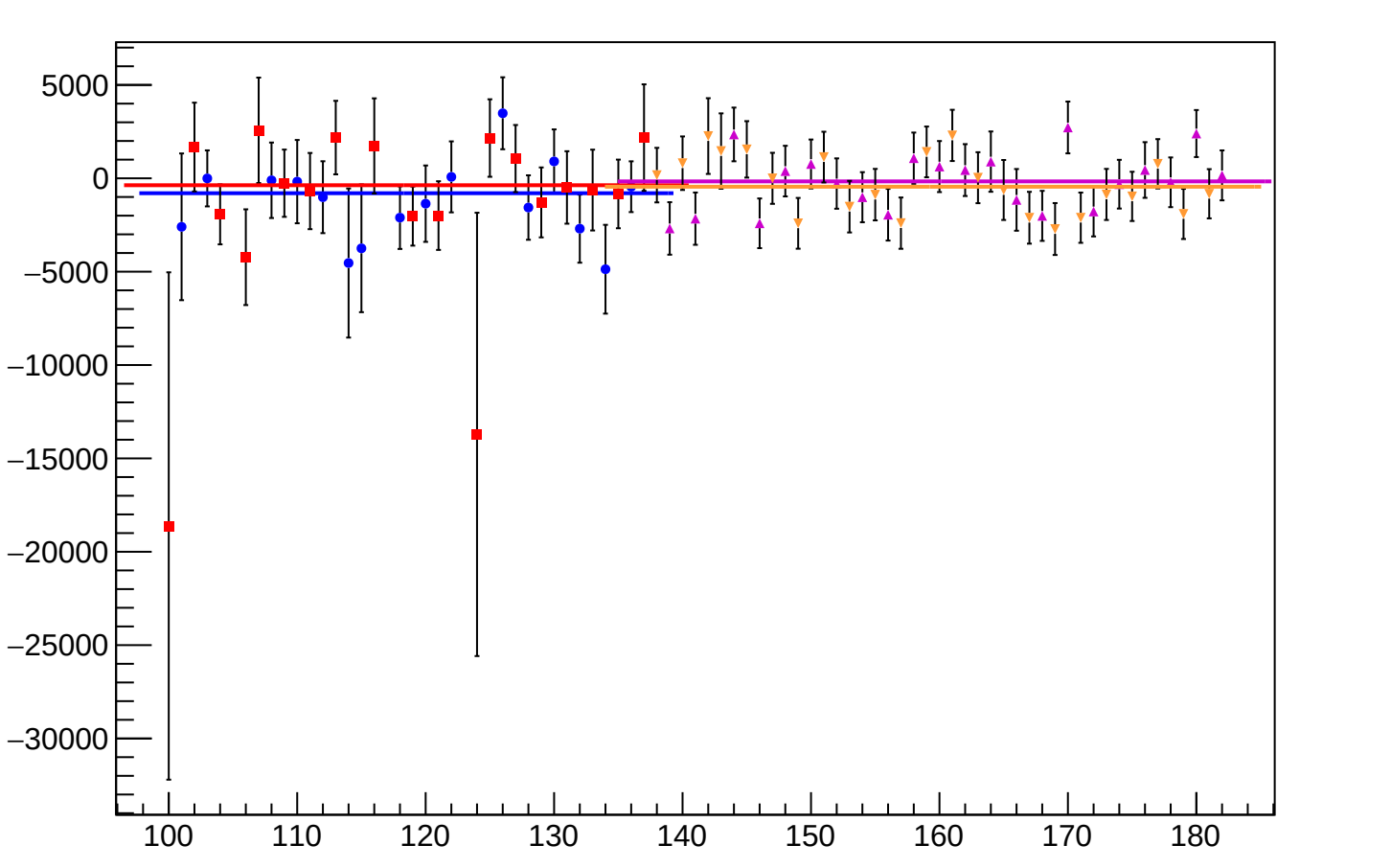
Left: 0.000+/-0.000 χ^2/NDF: 6299831.2/44

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:5791726.0/37

Out: 0.000+/-0.000 χ^2/NDF:6532358.6/41

All: 0.000+/-0.000 χ^2/NDF: 12550590.5/79



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -450.113+/-295.142 χ^2/NDF:25.7/22

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -164.744+/-293.807 χ^2/NDF:28.1/21

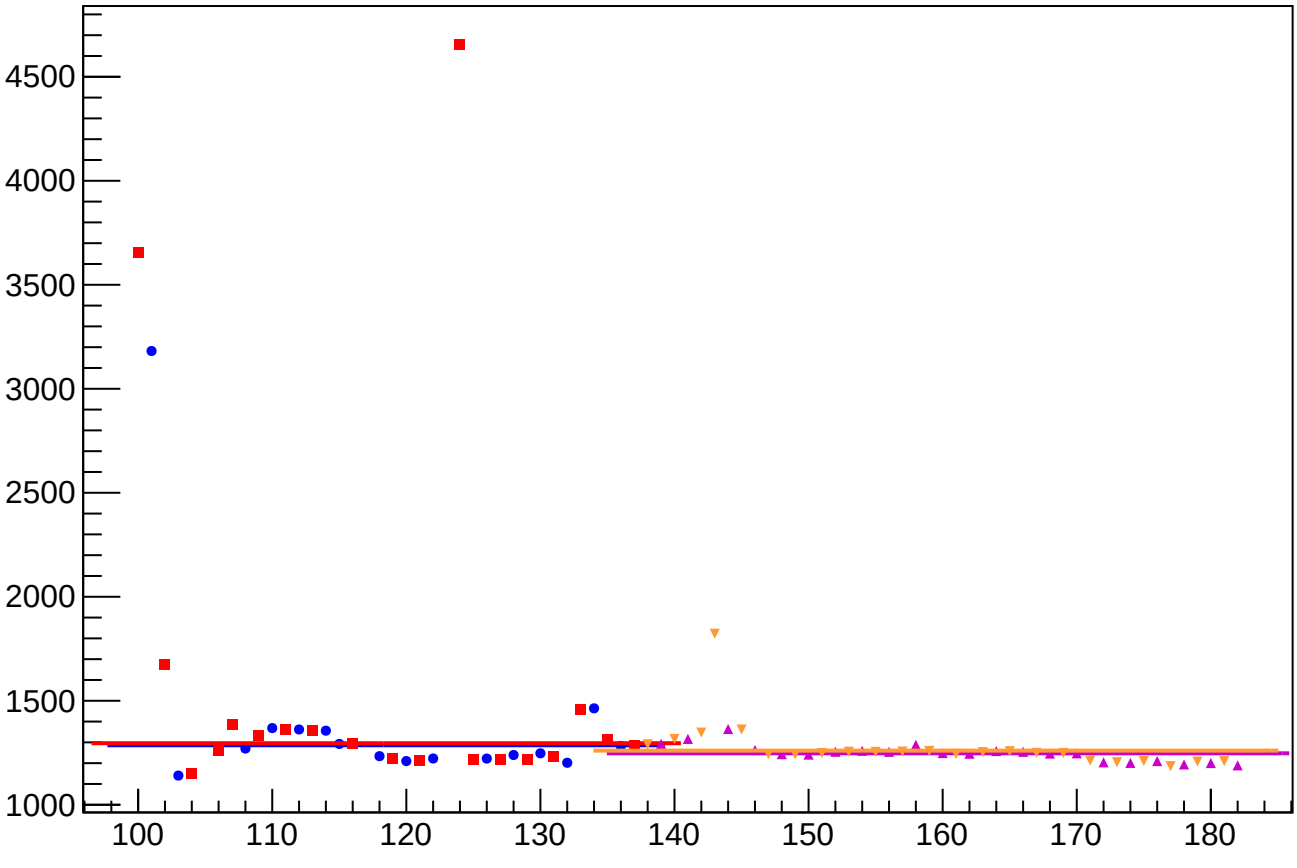
Left: -306.782+/-208.223 χ^2/NDF: 54.2/44

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -333.305+/-251.633 χ^2/NDF:42.8/37

Out: -428.520+/-252.243 χ^2/NDF:41.3/41

All: -380.797+/-178.147 χ^2/NDF: 84.1/79



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1260.308+/-0.209 χ^2/NDF:194520.5/22

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1247.423+/-0.208 χ^2/NDF:38379.9/21

Left: 1253.836+/-0.147 χ^2/NDF: 234815.2/44

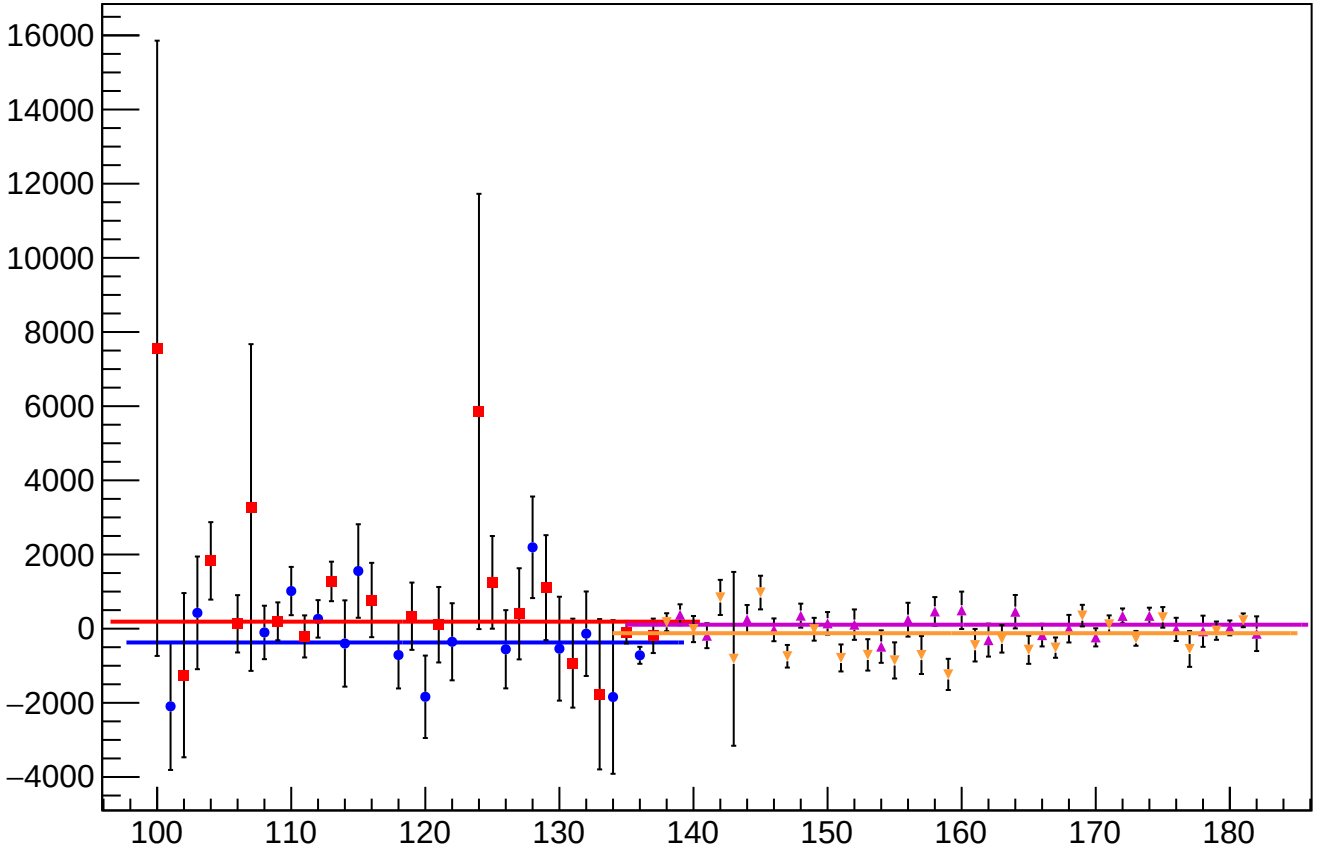
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1257.729+/-0.178 χ^2/NDF:565741.6/37

Out: 1269.914+/-0.178 χ^2/NDF:530449.7/41

All: 1263.807+/-0.126 χ^2/NDF: 1098530.9/79

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: -122.476+/-65.651 χ^2/NDF:46.7/22

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 106.923+/-67.198 χ^2/NDF:13.7/21

Left: -10.449+/-46.960 χ^2/NDF: 66.4/44

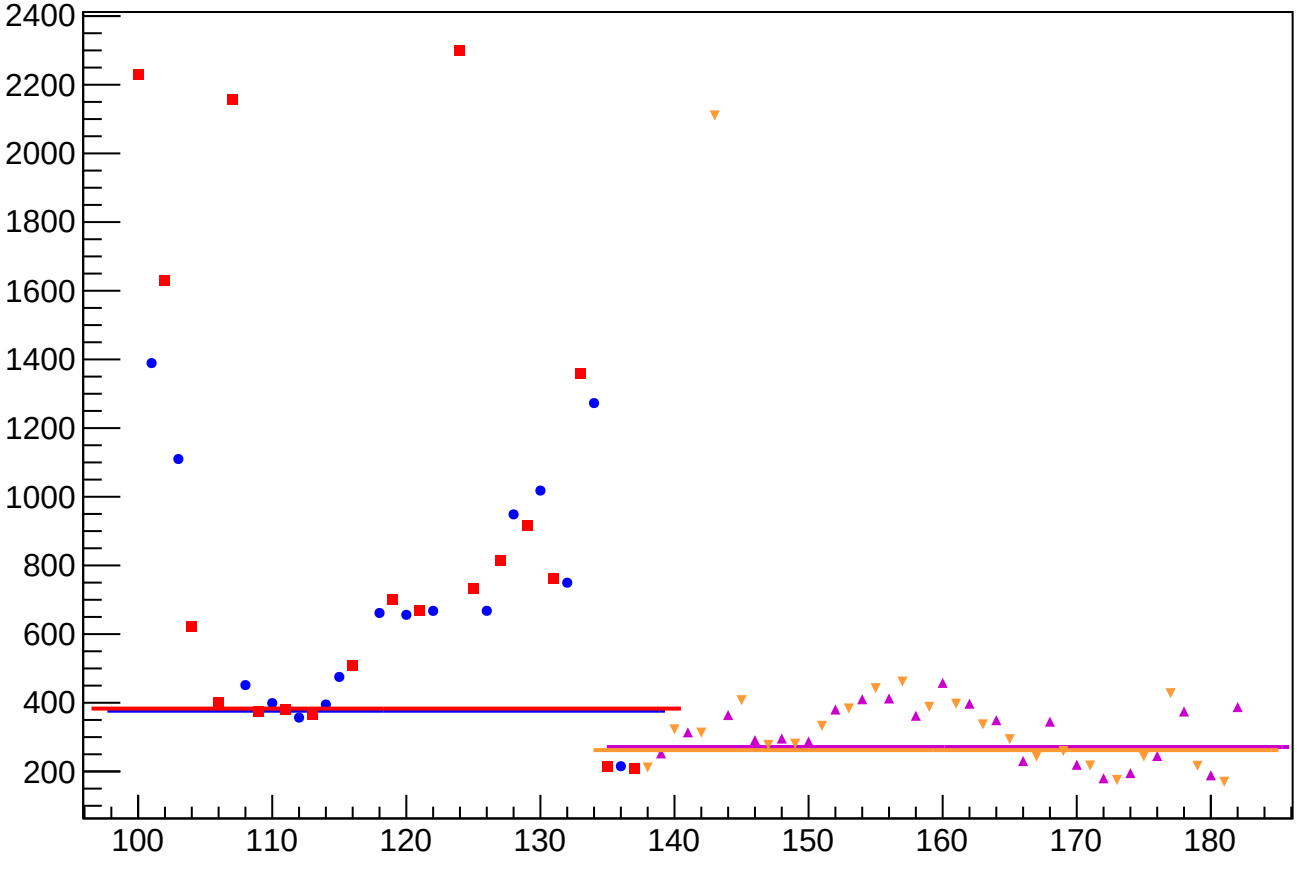
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 40.961+/-62.403 χ^2/NDF:38.9/37

Out: -81.884+/-61.223 χ^2/NDF:64.3/41

All: -21.634+/-43.702 χ^2/NDF: 105.2/79

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: 262.119+/-0.046 χ^2/NDF:4172625.8/22

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 271.167+/-0.048 χ^2/NDF:2778914.3/21

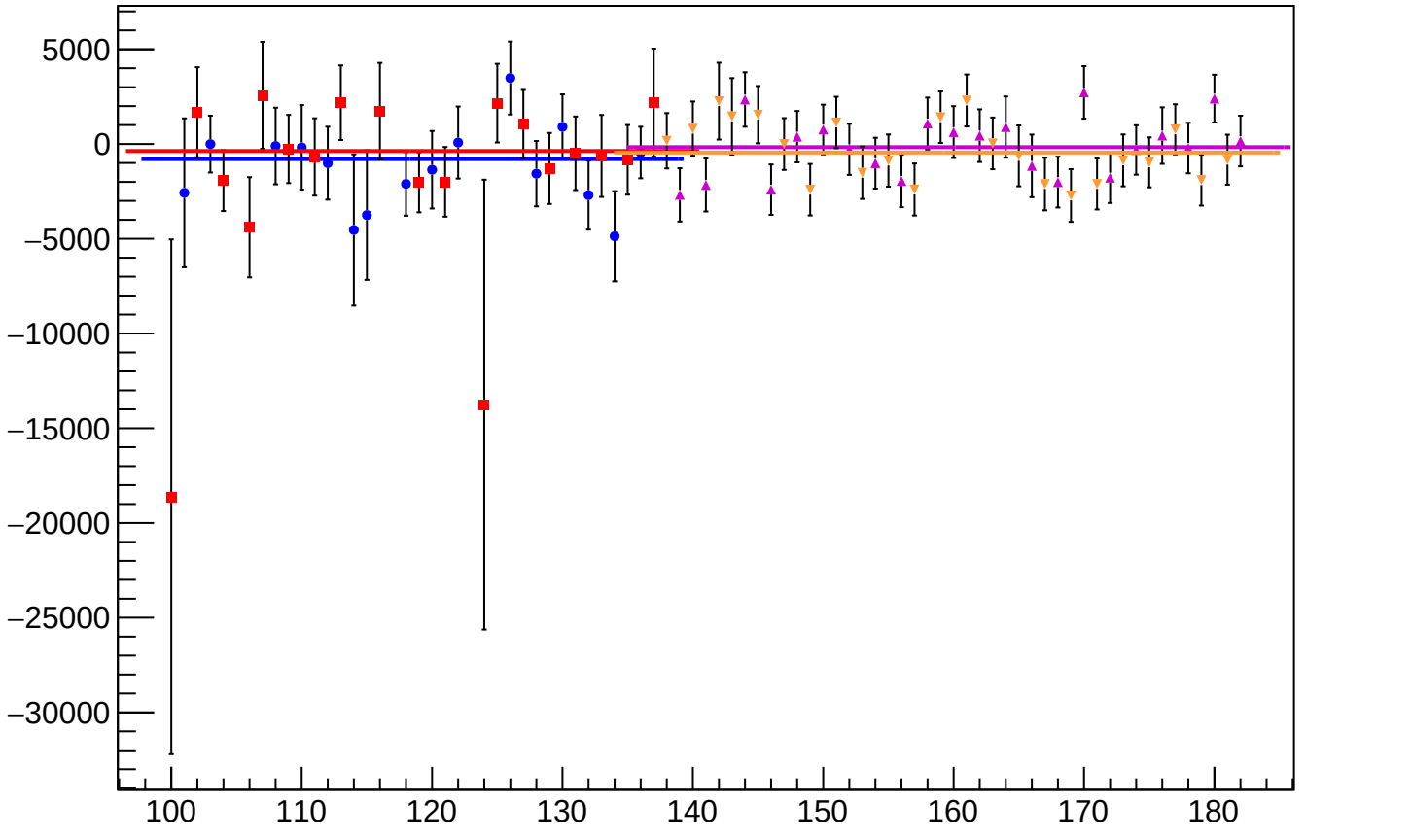
Left: 266.538+/-0.033 χ^2/NDF: 6970089.0/44

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 285.718+/-0.044 χ^2/NDF:7650525.2/37

Out: 277.885+/-0.043 χ^2/NDF:9111648.3/41

All: 281.727+/-0.031 χ^2/NDF: 16778230.9/79



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -450.066+/-295.142 χ^2/NDF:25.7/22

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -164.724+/-293.807 χ^2/NDF:28.1/21

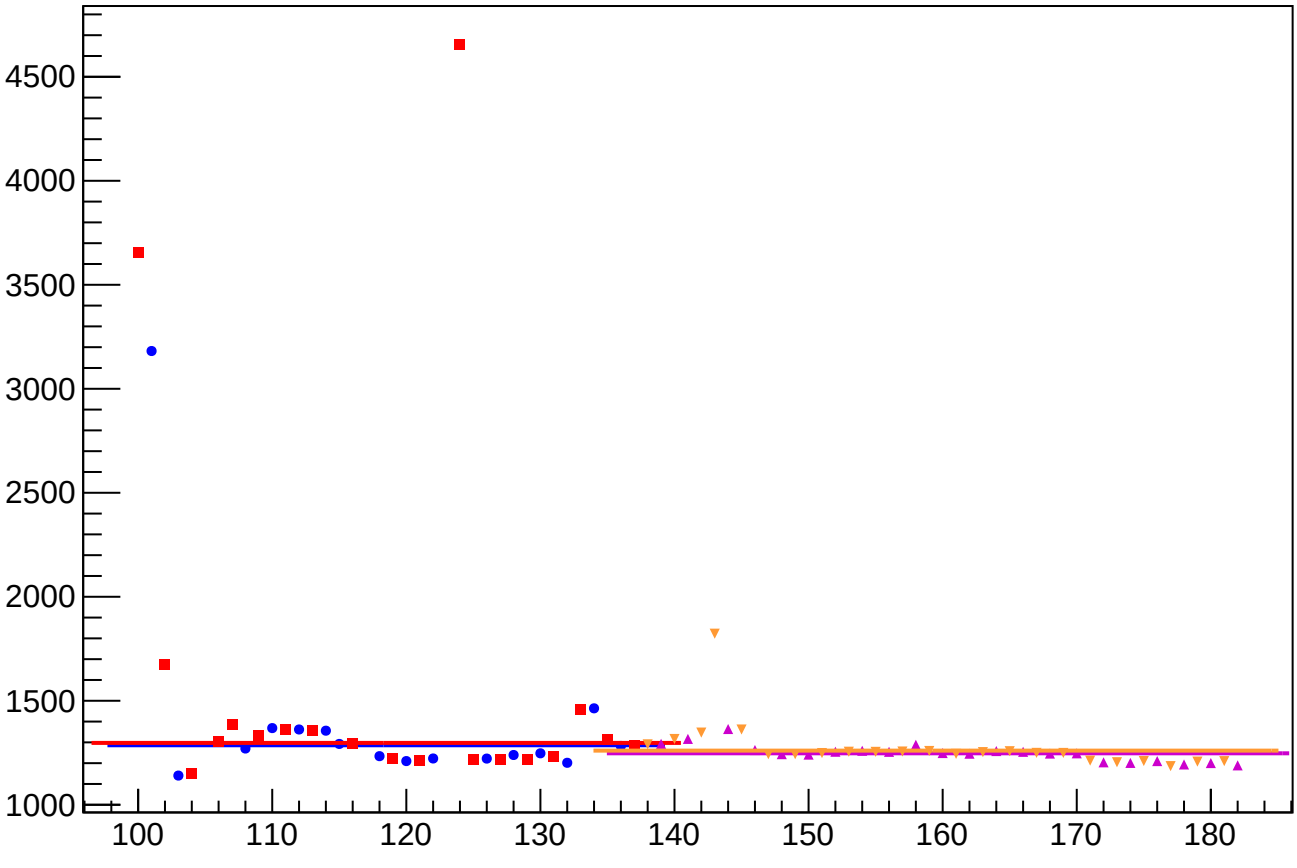
Left: -306.748+/-208.223 χ^2/NDF: 54.2/44

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -333.183+/-251.633 χ^2/NDF:42.8/37

Out: -427.837+/-252.316 χ^2/NDF:41.4/41

All: -380.381+/-178.172 χ^2/NDF: 84.2/79



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1260.308+/-0.209 χ^2/NDF:194520.4/22

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1247.423+/-0.208 χ^2/NDF:38379.9/21

Left: 1253.836+/-0.147 χ^2/NDF: 234815.2/44

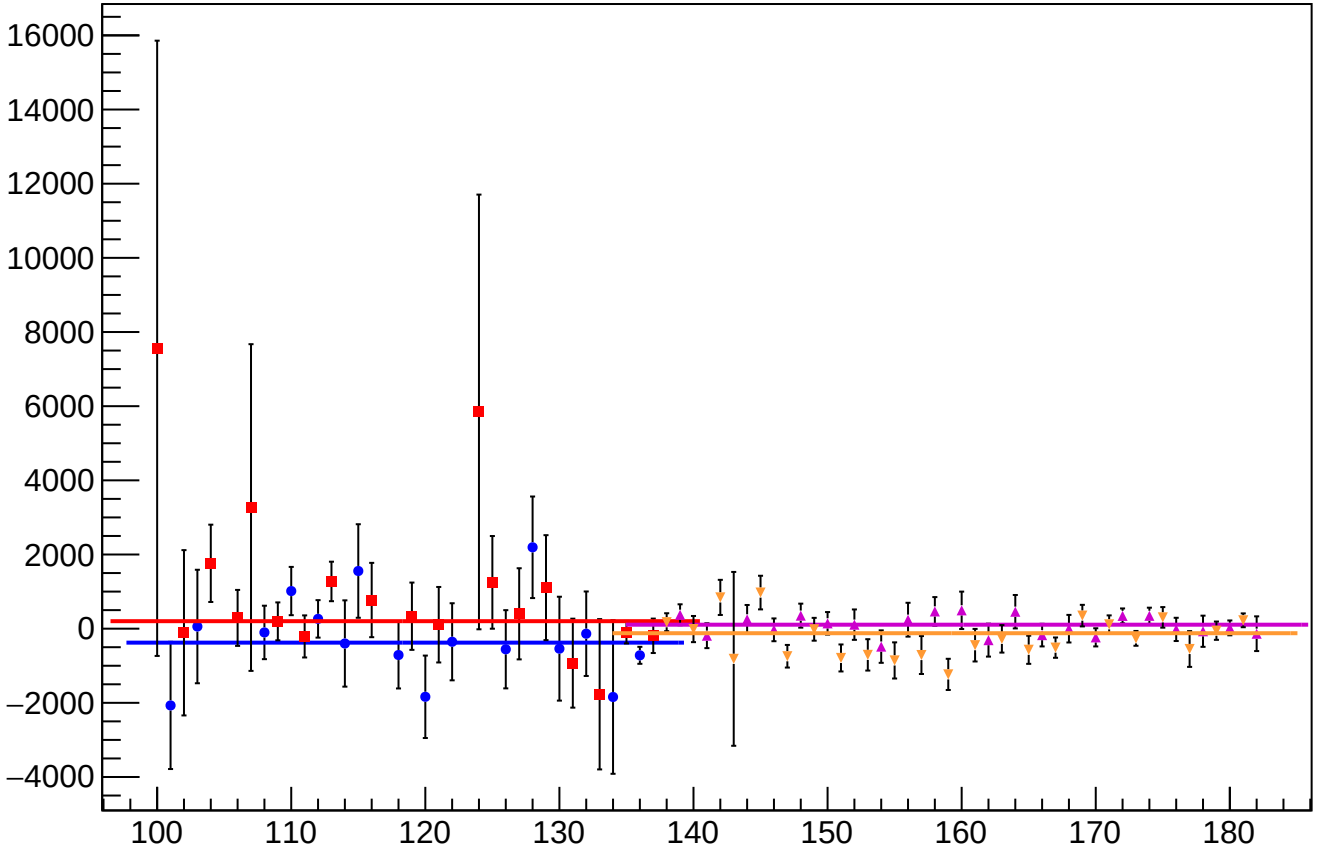
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1257.729+/-0.178 χ^2/NDF:565743.0/37

Out: 1270.290+/-0.178 χ^2/NDF:530761.3/41

All: 1263.992+/-0.126 χ^2/NDF: 1098989.4/79

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: -122.454+/-65.652 χ^2/NDF:46.7/22

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 107.037+/-67.200 χ^2/NDF:13.7/21

Left: -10.383+/-46.961 χ^2/NDF: 66.4/44

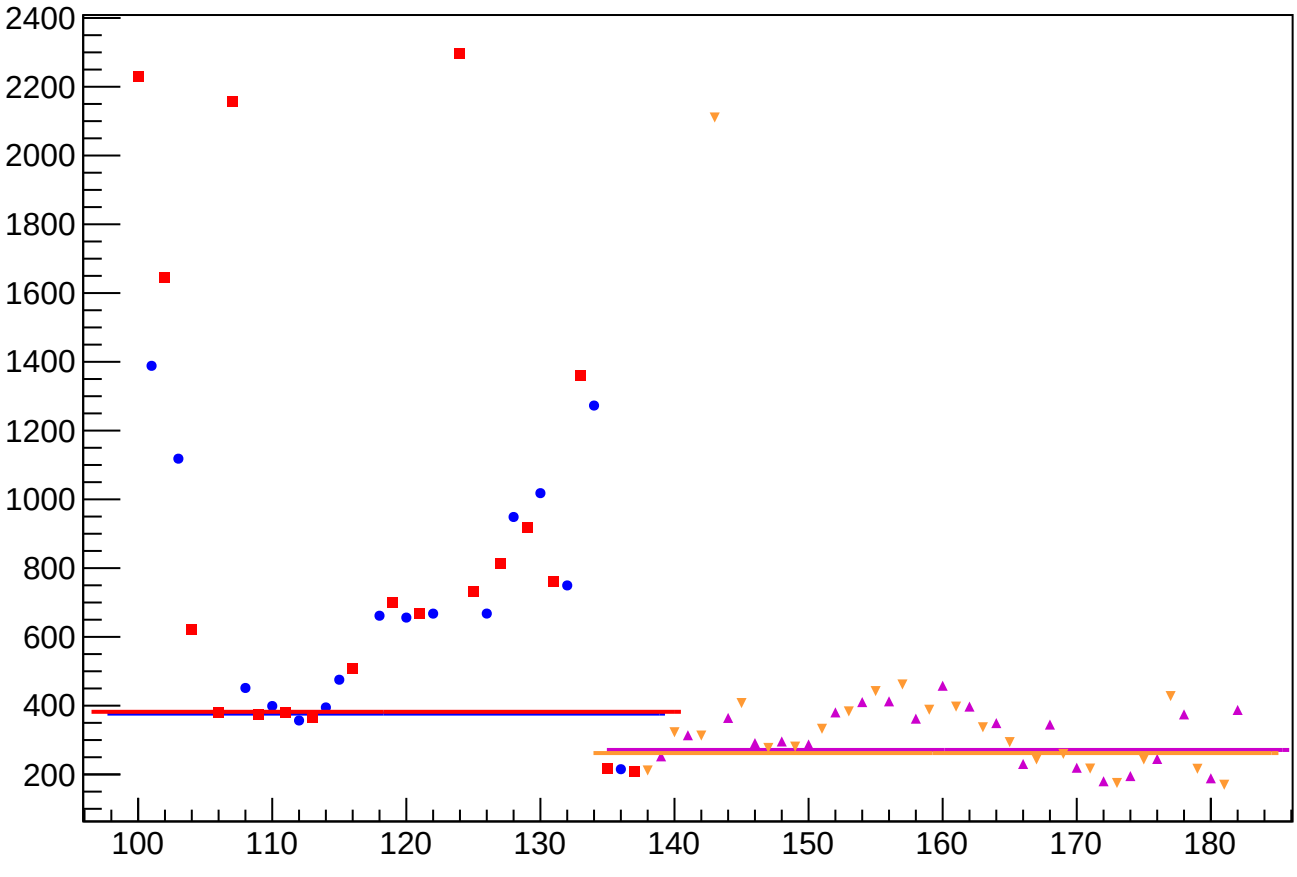
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 40.457+/-62.405 χ^2/NDF:38.8/37

Out: -80.056+/-61.214 χ^2/NDF:64.0/41

All: -20.960+/-43.700 χ^2/NDF: 104.7/79

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: 262.125+/-0.046 χ^2/NDF:4172619.8/22

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 271.176+/-0.048 χ^2/NDF:2778687.6/21

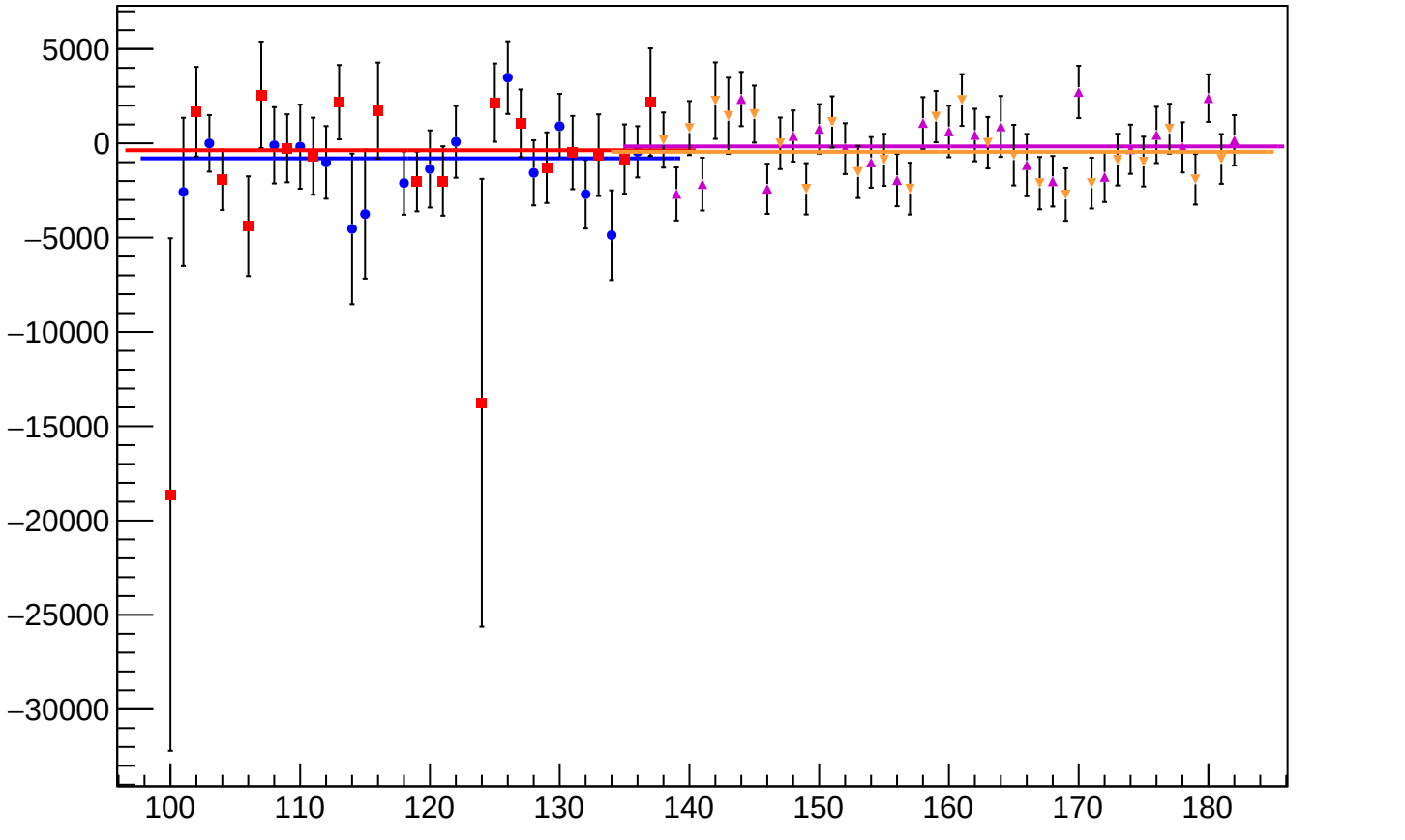
Left: 266.545+/-0.033 χ^2/NDF: 6969873.0/44

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 285.723+/-0.044 χ^2/NDF:7653052.5/37

Out: 277.800+/-0.043 χ^2/NDF:9105140.5/41

All: 281.685+/-0.031 χ^2/NDF: 16774623.4/79



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -450.066+/-295.142 χ^2/NDF:25.7/22

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -164.724+/-293.807 χ^2/NDF:28.1/21

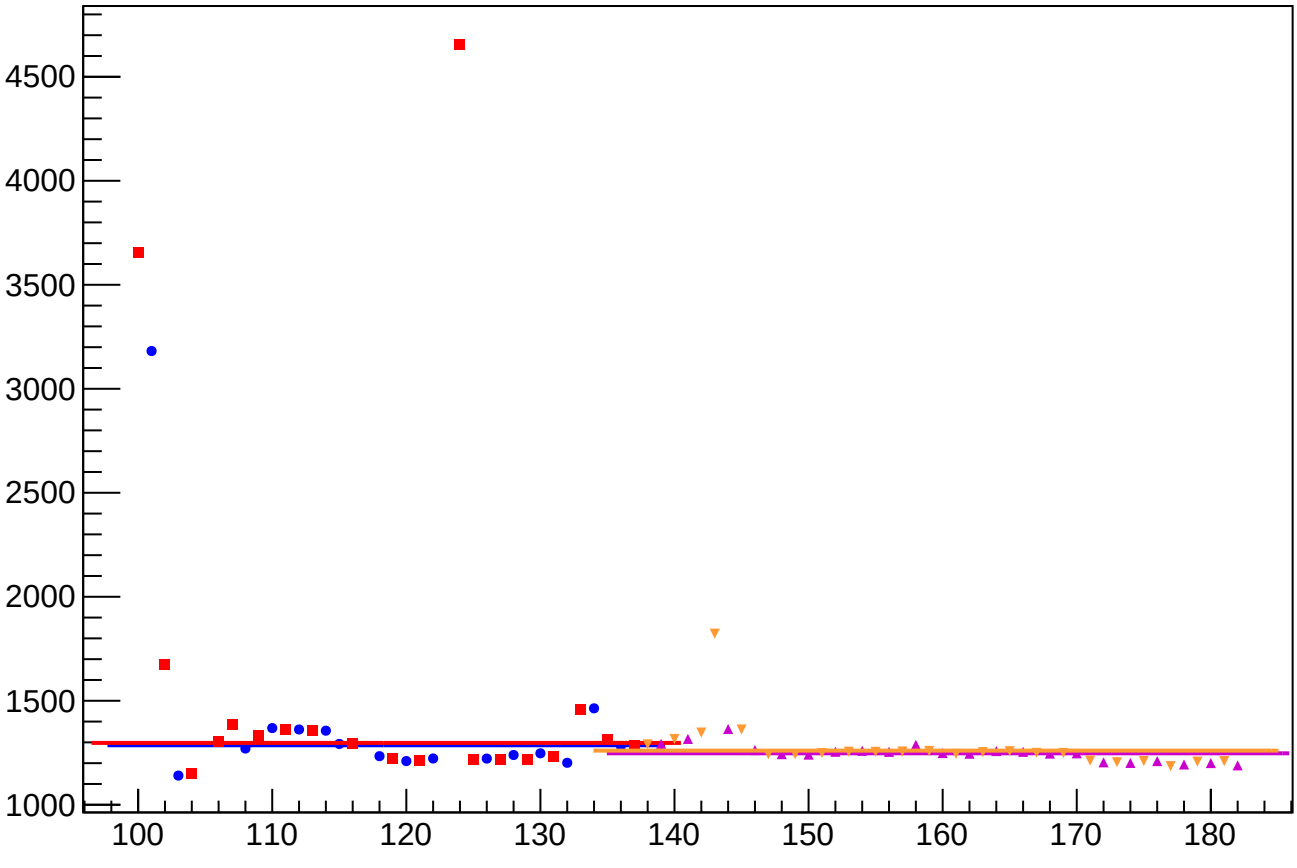
Left: -306.748+/-208.223 χ^2/NDF: 54.2/44

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -333.183+/-251.633 χ^2/NDF:42.8/37

Out: -427.837+/-252.316 χ^2/NDF:41.4/41

All: -380.381+/-178.172 χ^2/NDF: 84.2/79



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1260.308+/-0.209 χ^2/NDF:194520.4/22

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1247.423+/-0.208 χ^2/NDF:38379.9/21

Left: 1253.836+/-0.147 χ^2/NDF: 234815.2/44

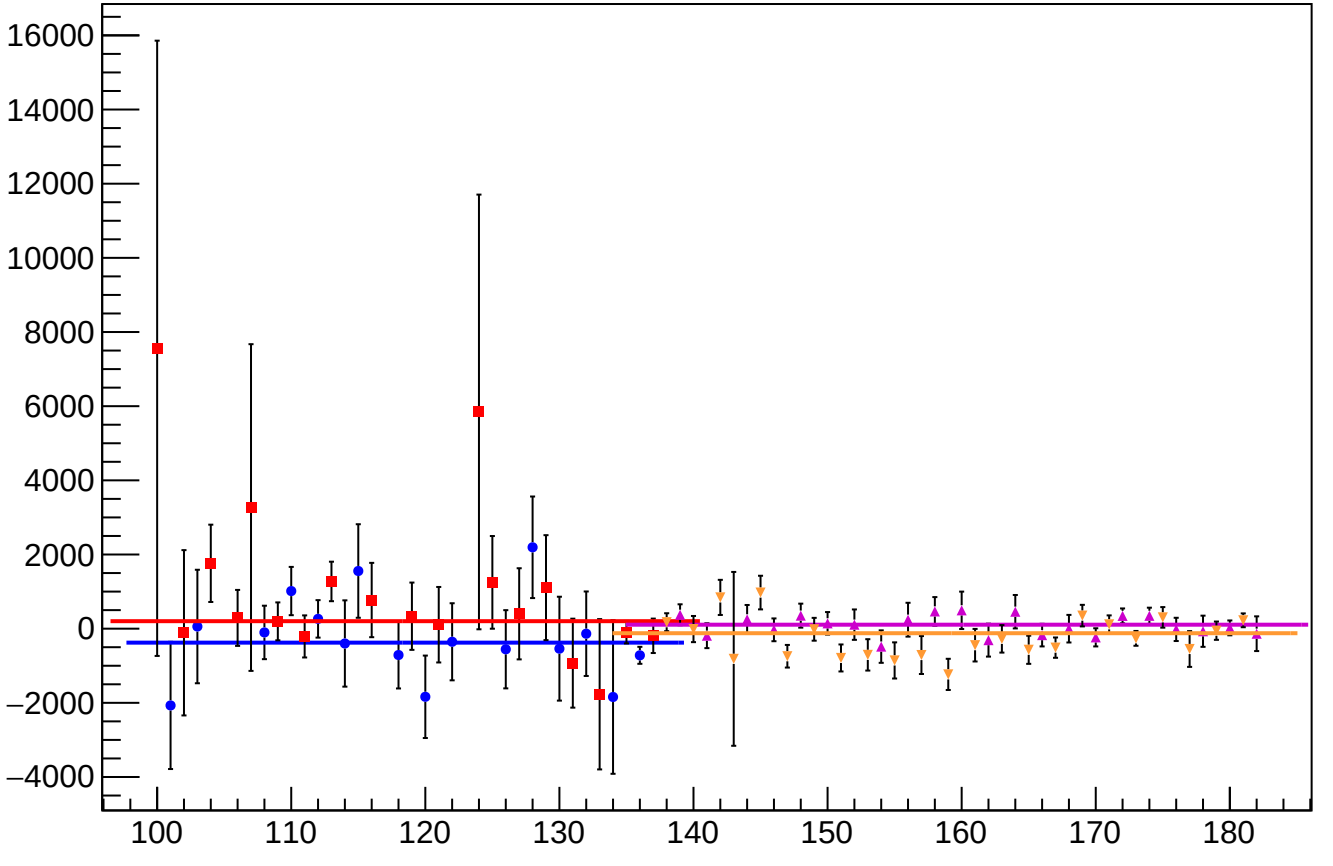
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1257.729+/-0.178 χ^2/NDF:565743.0/37

Out: 1270.290+/-0.178 χ^2/NDF:530761.3/41

All: 1263.992+/-0.126 χ^2/NDF: 1098989.4/79

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: -122.454+/-65.652 χ^2/NDF:46.7/22

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 107.037+/-67.200 χ^2/NDF:13.7/21

Left: -10.383+/-46.961 χ^2/NDF: 66.4/44

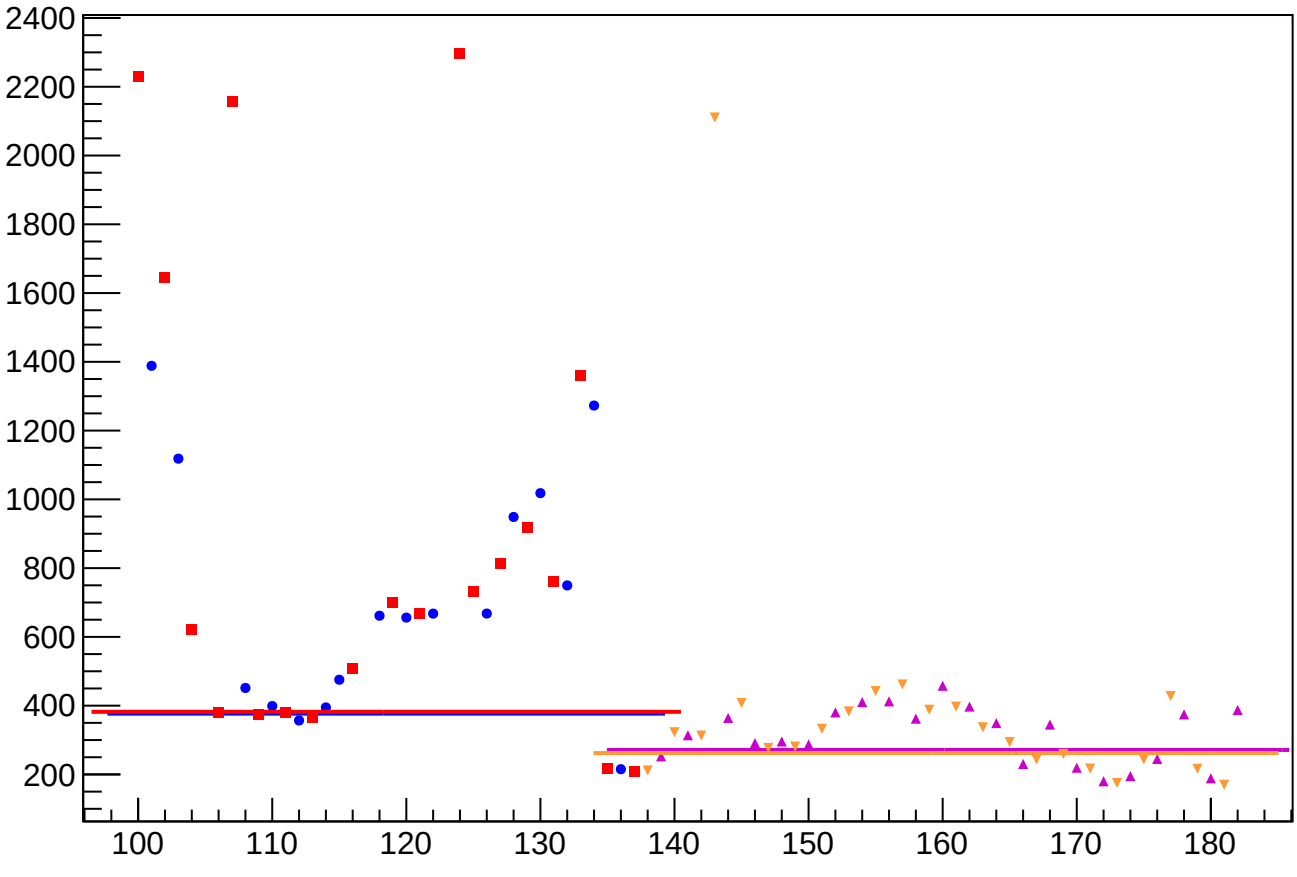
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 40.457+/-62.405 χ^2/NDF:38.8/37

Out: -80.056+/-61.214 χ^2/NDF:64.0/41

All: -20.960+/-43.700 χ^2/NDF: 104.7/79

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: 262.125+/-0.046 χ^2/NDF:4172619.8/22

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 271.176+/-0.048 χ^2/NDF:2778687.6/21

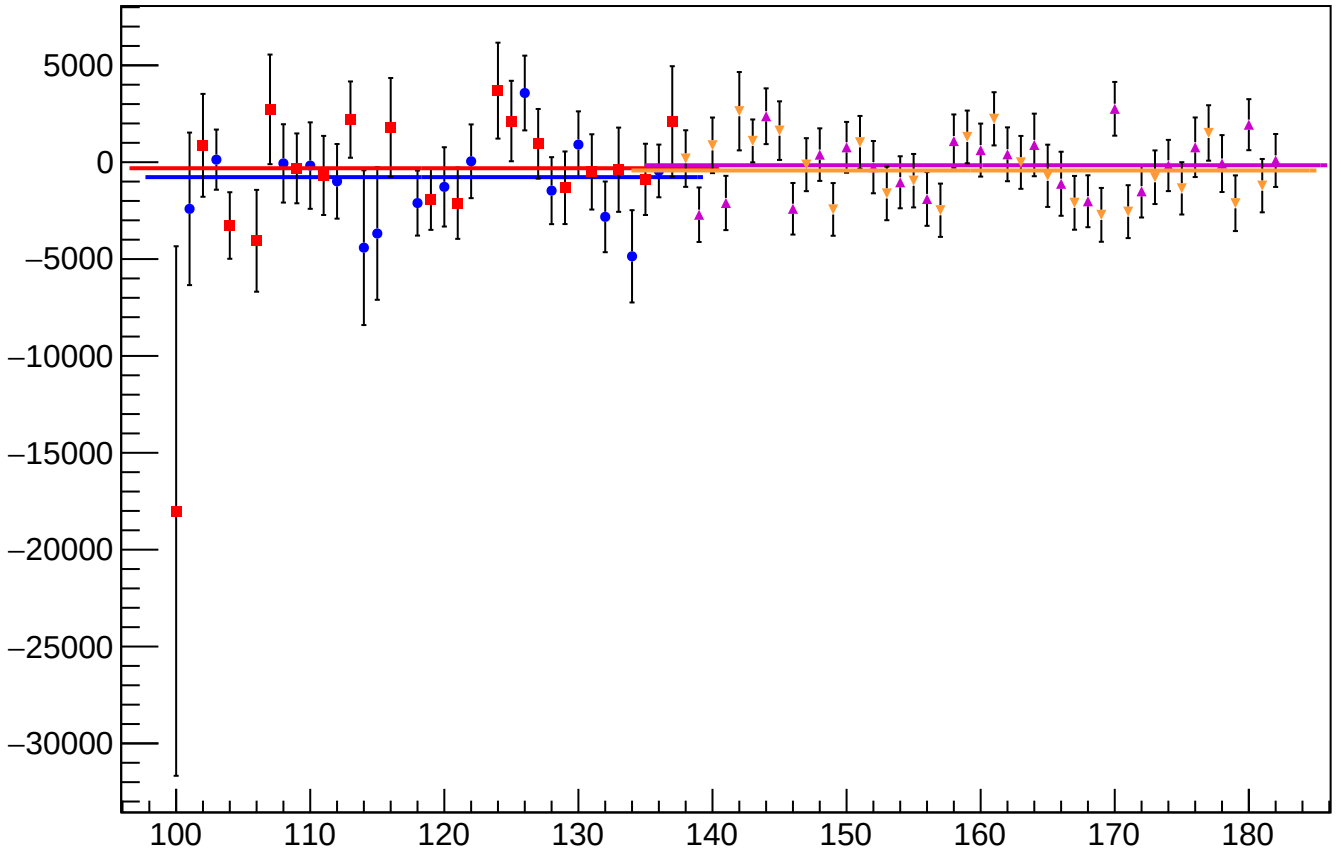
Left: 266.545+/-0.033 χ^2/NDF: 6969873.0/44

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 285.723+/-0.044 χ^2/NDF:7653052.5/37

Out: 277.800+/-0.043 χ^2/NDF:9105140.5/41

All: 281.685+/-0.031 χ^2/NDF: 16774623.4/79



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -427.671+/-291.318 χ^2/NDF:29.7/22

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -157.854+/-296.987 χ^2/NDF:26.2/21

Left: -295.362+/-207.968 χ^2/NDF: 56.3/44

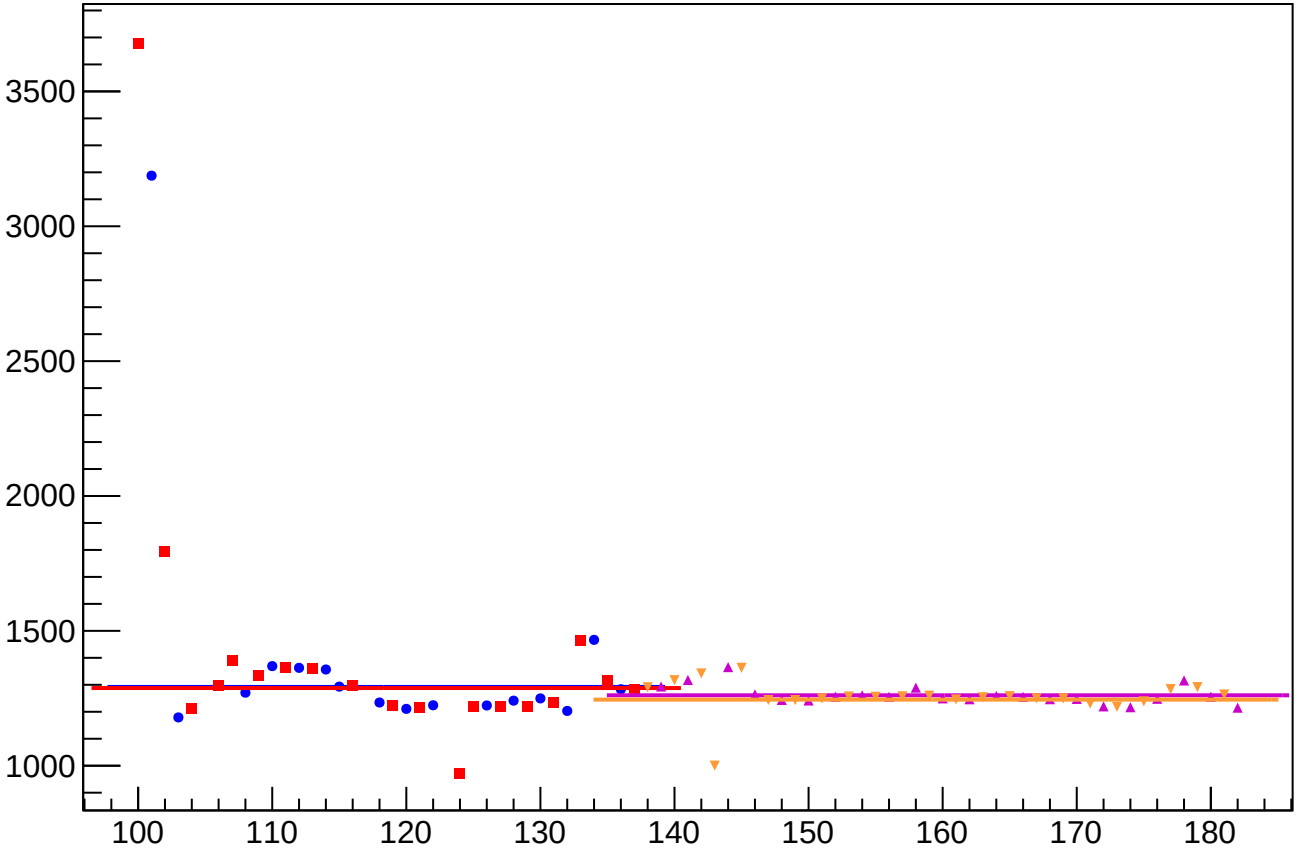
Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -322.911+/-253.923 χ^2/NDF:40.9/37

Out: -396.627+/-249.407 χ^2/NDF:47.7/41

All: -360.430+/-177.933 χ^2/NDF: 88.6/79

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1245.065+/-0.206 χ^2/NDF:127405.0/22

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.079+/-0.210 χ^2/NDF:26691.7/21

Left: 1252.918+/-0.147 χ^2/NDF: 157060.2/44

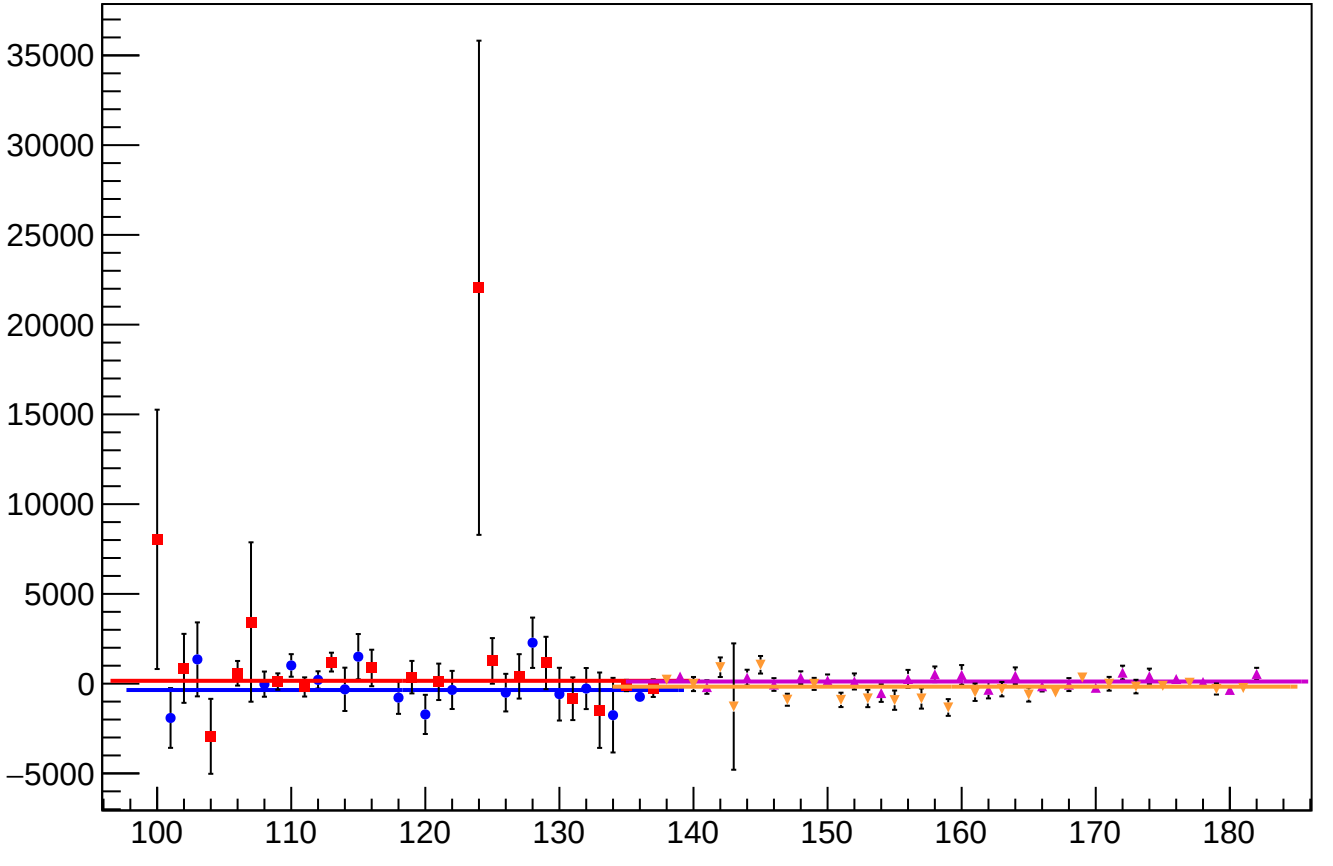
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1269.406+/-0.180 χ^2/NDF:541943.7/37

Out: 1256.527+/-0.176 χ^2/NDF:348208.1/41

All: 1262.851+/-0.126 χ^2/NDF: 892770.5/79

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: -168.765+/-65.544 χ^2/NDF:41.8/22

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 118.511+/-69.370 χ^2/NDF:17.9/21

Left: -33.268+/-47.642 χ^2/NDF: 68.8/44

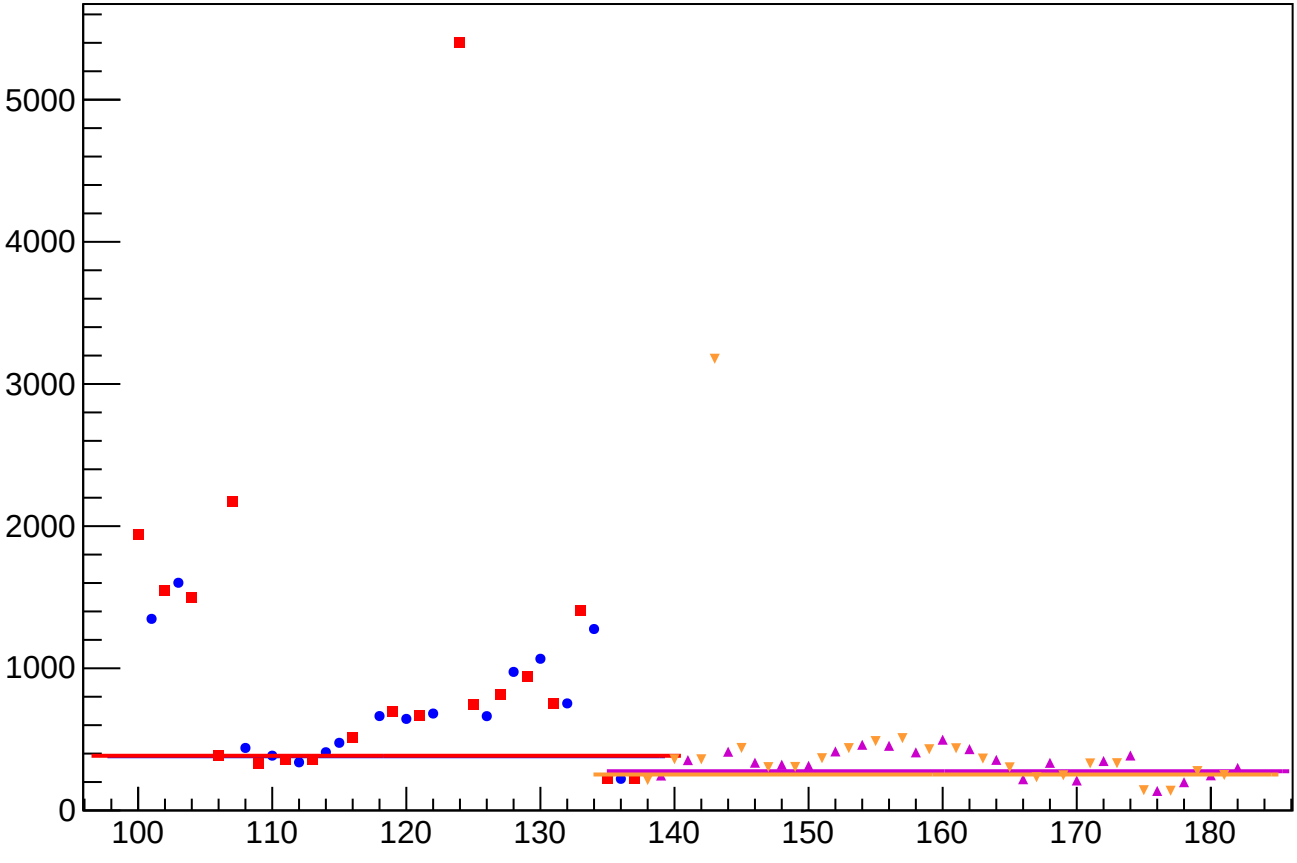
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 50.868+/-64.227 χ^2/NDF:43.0/37

Out: -126.342+/-61.140 χ^2/NDF:60.9/41

All: -42.098+/-44.284 χ^2/NDF: 107.8/79

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: 253.005+/-0.046 χ^2/NDF:6290402.9/22

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 275.789+/-0.049 χ^2/NDF:4022379.0/21

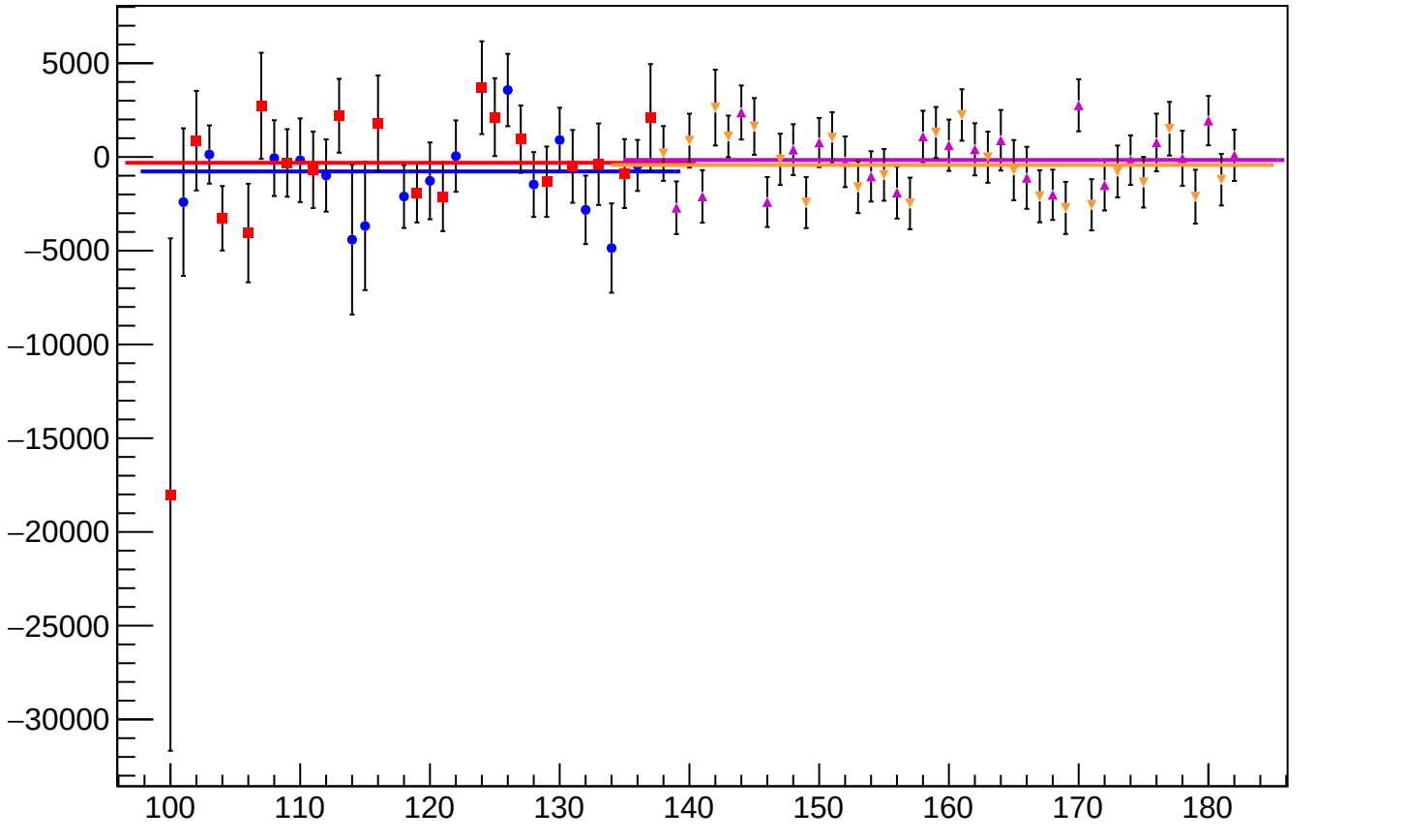
Left: 263.789+/-0.034 χ^2/NDF: 10427574.9/44

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 290.930+/-0.045 χ^2/NDF:9000553.9/37

Out: 270.100+/-0.043 χ^2/NDF:11898344.3/41

All: 280.003+/-0.031 χ^2/NDF: 21009258.8/79



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -427.670+/-291.318 χ^2/NDF:29.7/22

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -157.854+/-296.987 χ^2/NDF:26.2/21

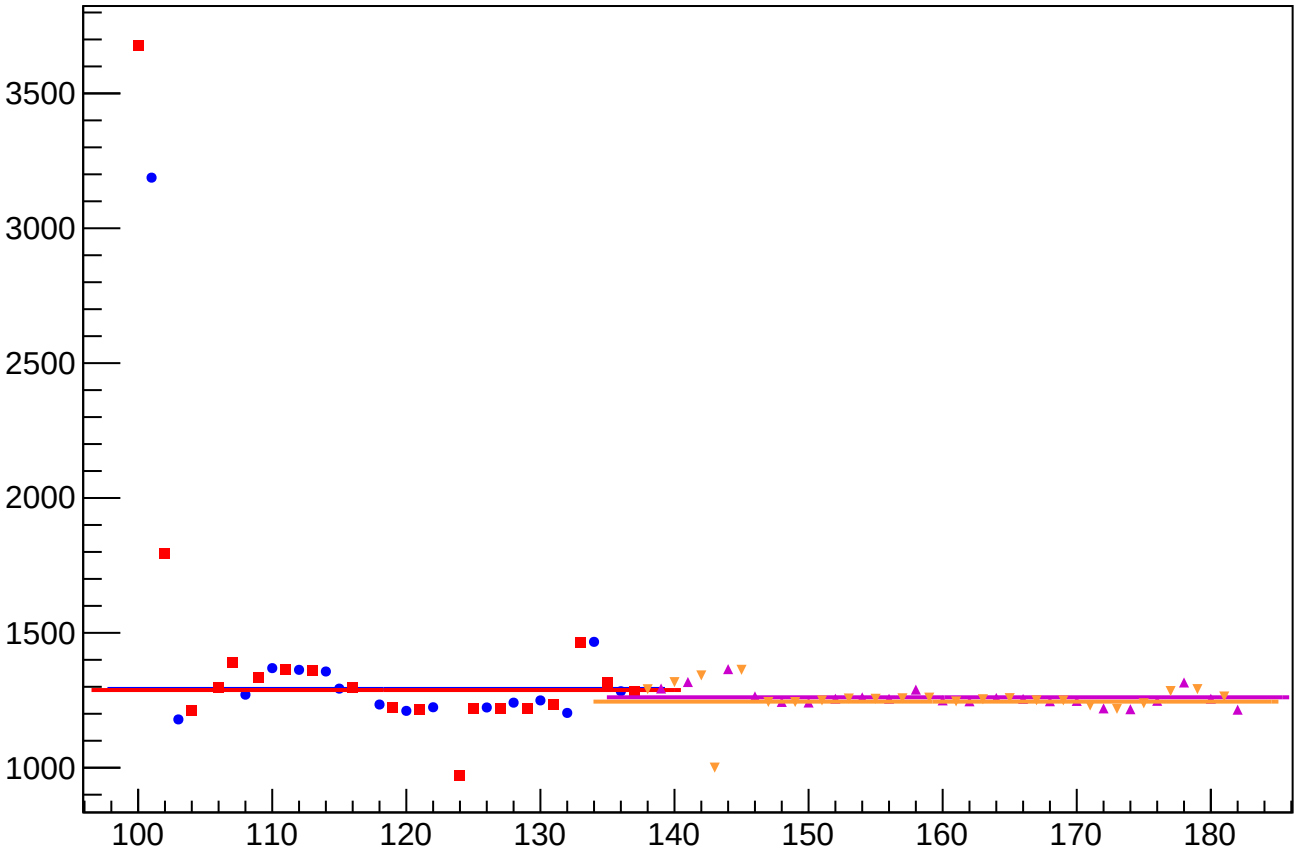
Left: -295.362+/-207.968 χ^2/NDF: 56.3/44

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -322.912+/-253.923 χ^2/NDF:40.9/37

Out: -396.627+/-249.407 χ^2/NDF:47.7/41

All: -360.431+/-177.933 χ^2/NDF: 88.6/79



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1245.065+/-0.206 χ^2/NDF:127404.1/22

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.079+/-0.210 χ^2/NDF:26691.7/21

Left: 1252.918+/-0.147 χ^2/NDF: 157059.3/44

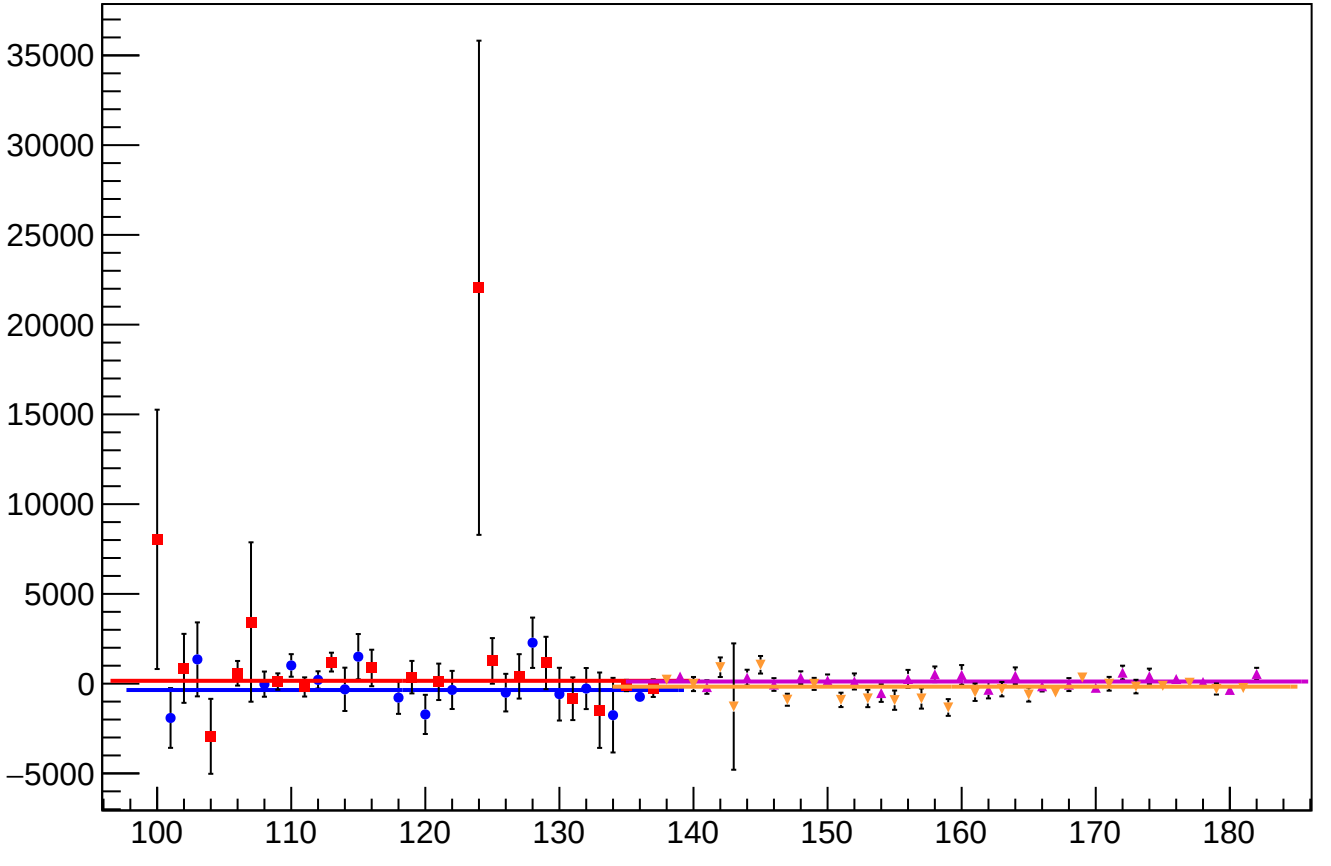
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1269.406+/-0.180 χ^2/NDF:541943.8/37

Out: 1256.527+/-0.176 χ^2/NDF:348207.5/41

All: 1262.851+/-0.126 χ^2/NDF: 892770.0/79

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: -168.769+/-65.544 χ^2/NDF:41.8/22

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 118.509+/-69.370 χ^2/NDF:17.9/21

Left: -33.271+/-47.642 χ^2/NDF: 68.8/44

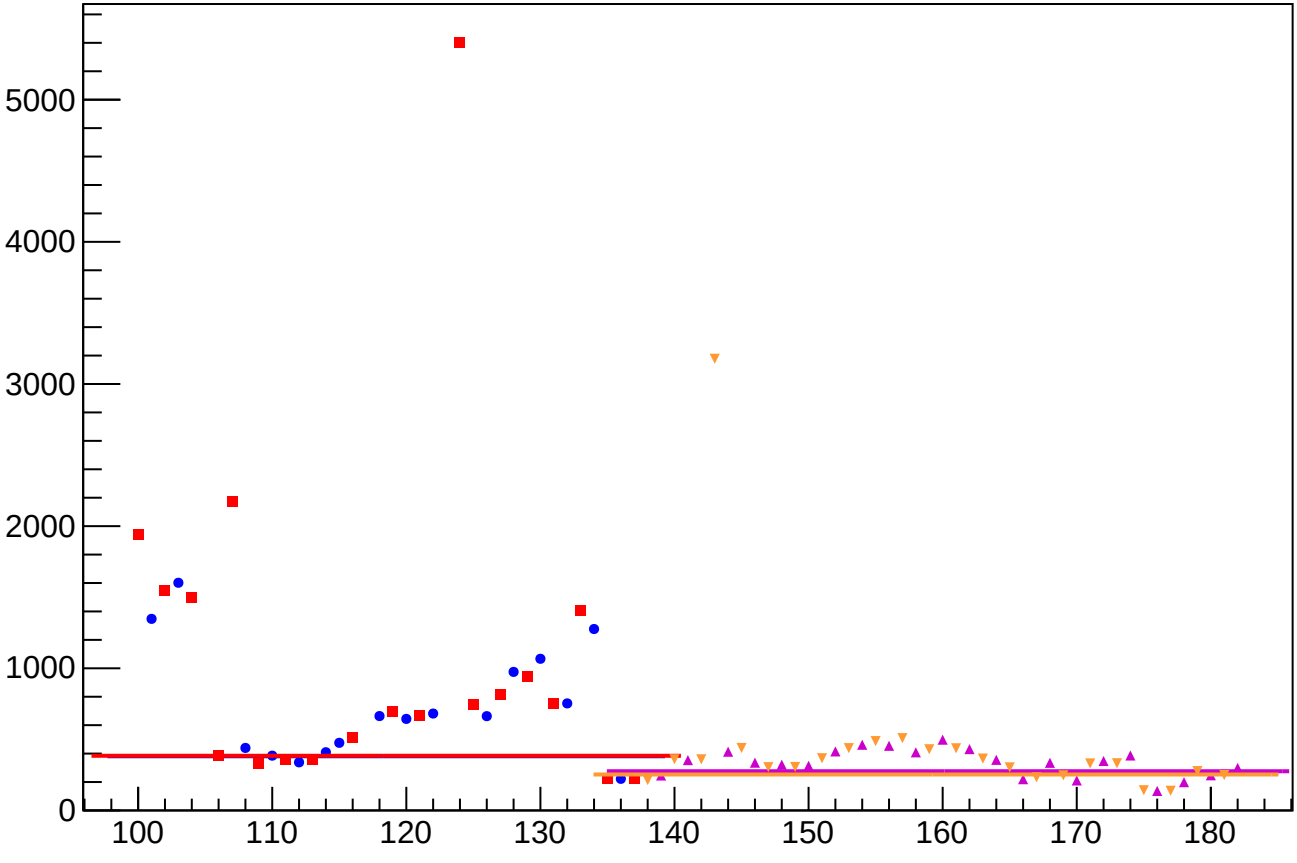
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 50.868+/-64.227 χ^2/NDF:43.0/37

Out: -126.345+/-61.140 χ^2/NDF:60.9/41

All: -42.099+/-44.284 χ^2/NDF: 107.8/79

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: 253.006+/-0.046 χ^2/NDF:6290306.7/22

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 275.870+/-0.049 χ^2/NDF:4022339.7/21

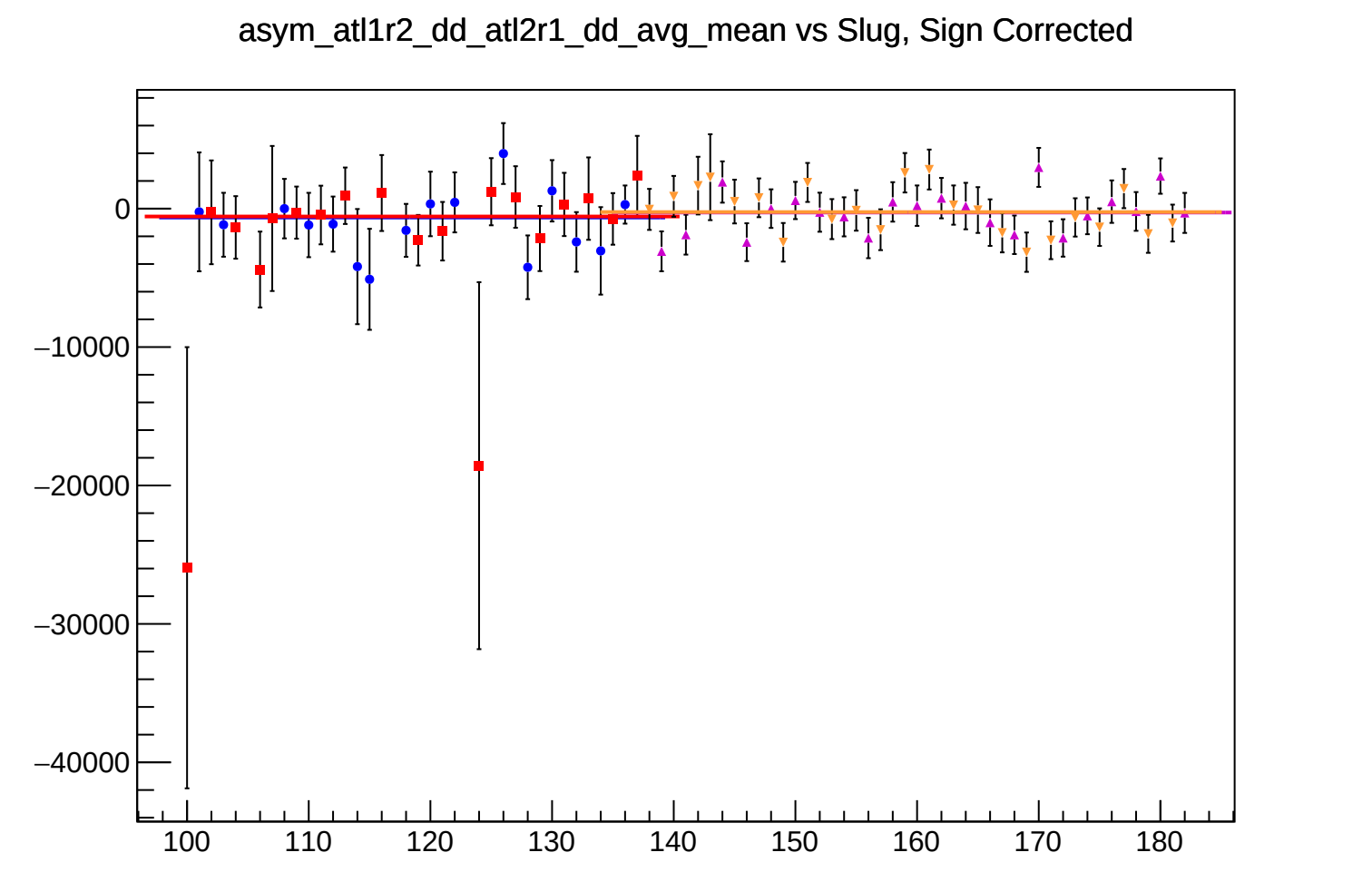
Left: 263.790+/-0.034 χ^2/NDF: 10427430.5/44

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 290.932+/-0.045 χ^2/NDF:9000429.4/37

Out: 270.102+/-0.043 χ^2/NDF:11898185.9/41

All: 280.004+/-0.031 χ^2/NDF: 21008970.3/79



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -246.934+/-307.086 χ^2/NDF:28.5/22

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -281.747+/-304.427 χ^2/NDF:26.0/21

Left: -264.492+/-216.196 χ^2/NDF: 54.5/44

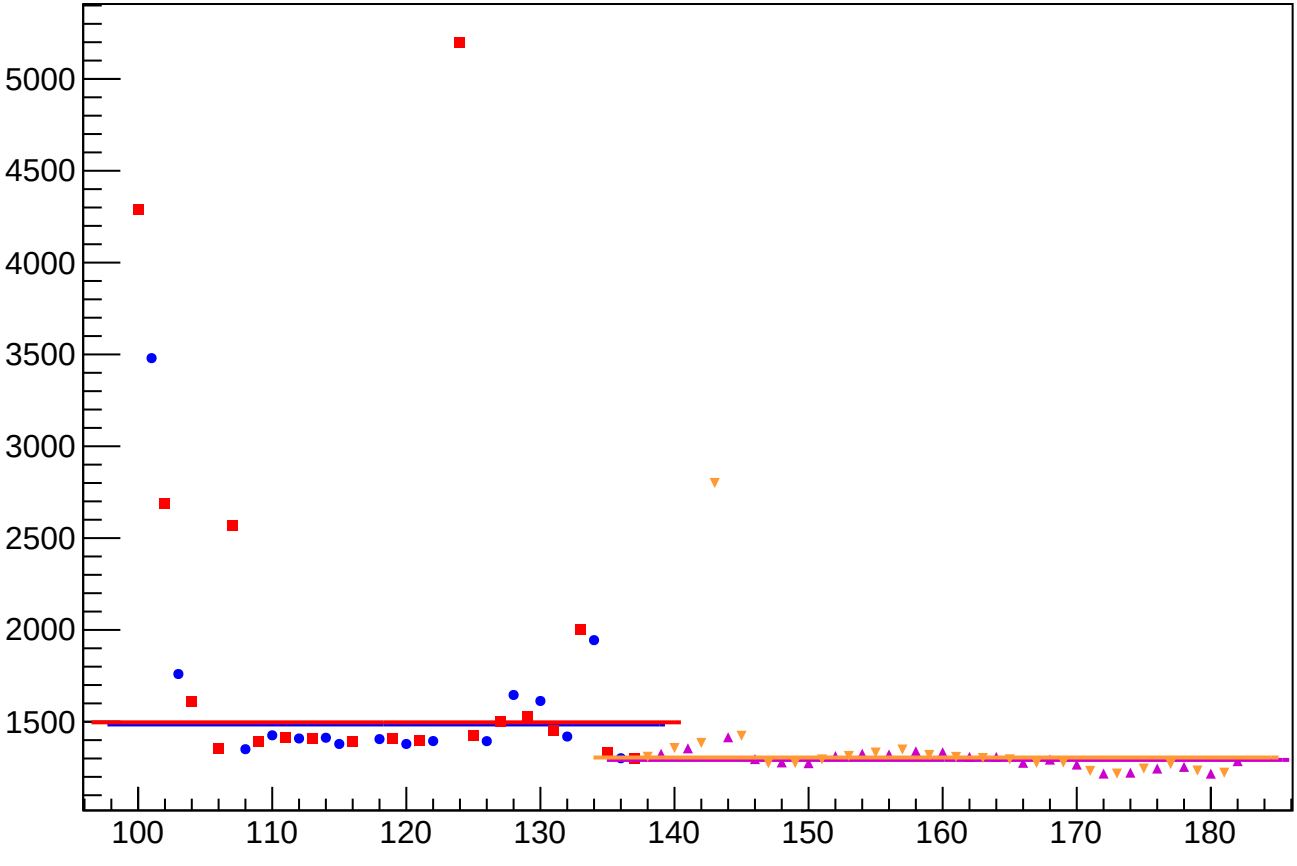
Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -362.678+/-267.933 χ^2/NDF:38.8/37

Out: -319.628+/-270.002 χ^2/NDF:40.1/41

All: -341.319+/-190.184 χ^2/NDF: 78.9/79

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1305.369+/-0.217 χ^2/NDF:519026.6/22

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.298+/-0.215 χ^2/NDF:48302.9/21

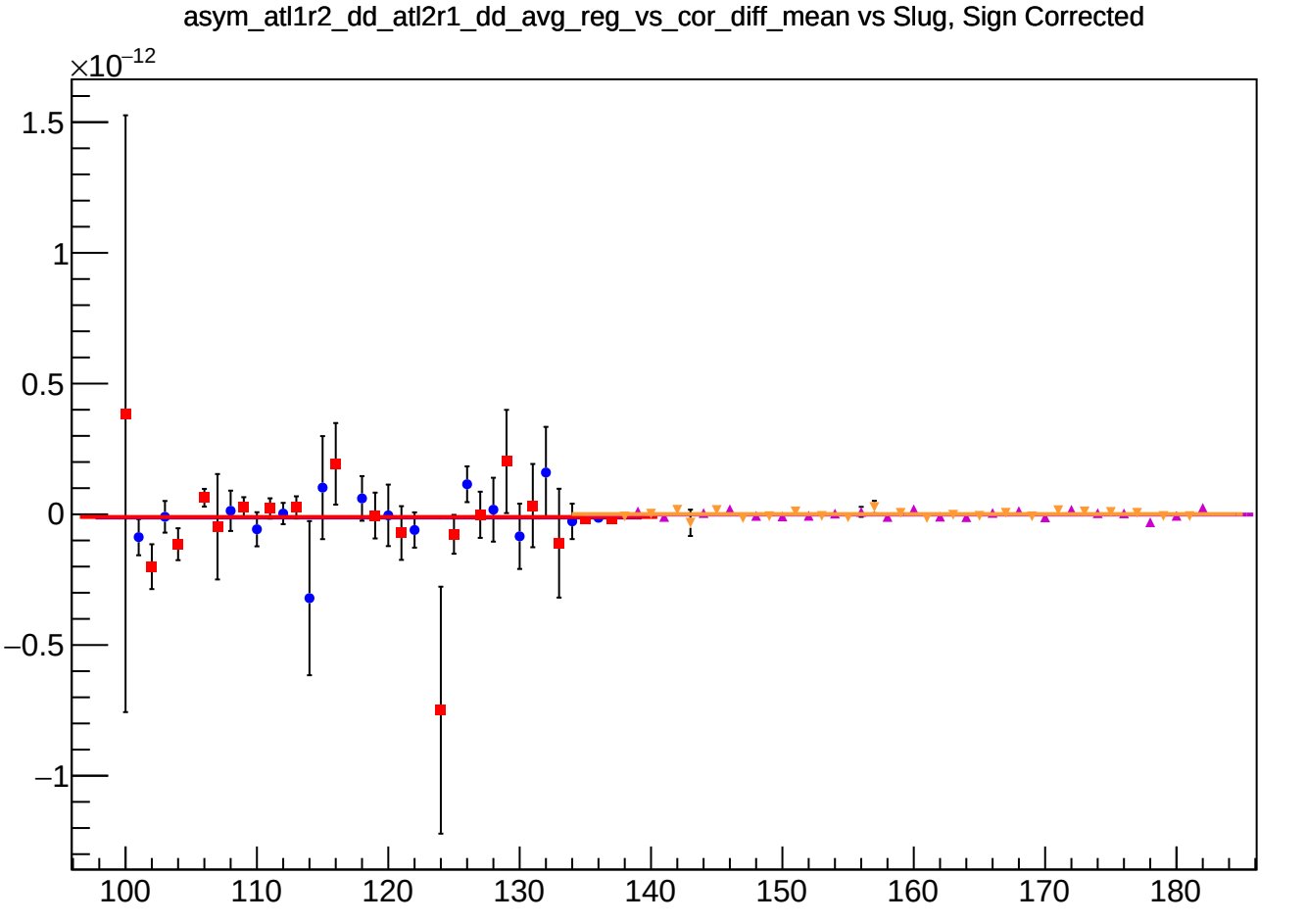
Left: 1298.777+/-0.153 χ^2/NDF: 569156.8/44

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1335.814+/-0.189 χ^2/NDF:814087.1/37

Out: 1348.827+/-0.191 χ^2/NDF:1318821.1/41

All: 1342.271+/-0.134 χ^2/NDF: 2135248.8/79



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/22

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:29.5/21

Left: 0.000+/-0.000 χ^2/NDF: 52.9/44

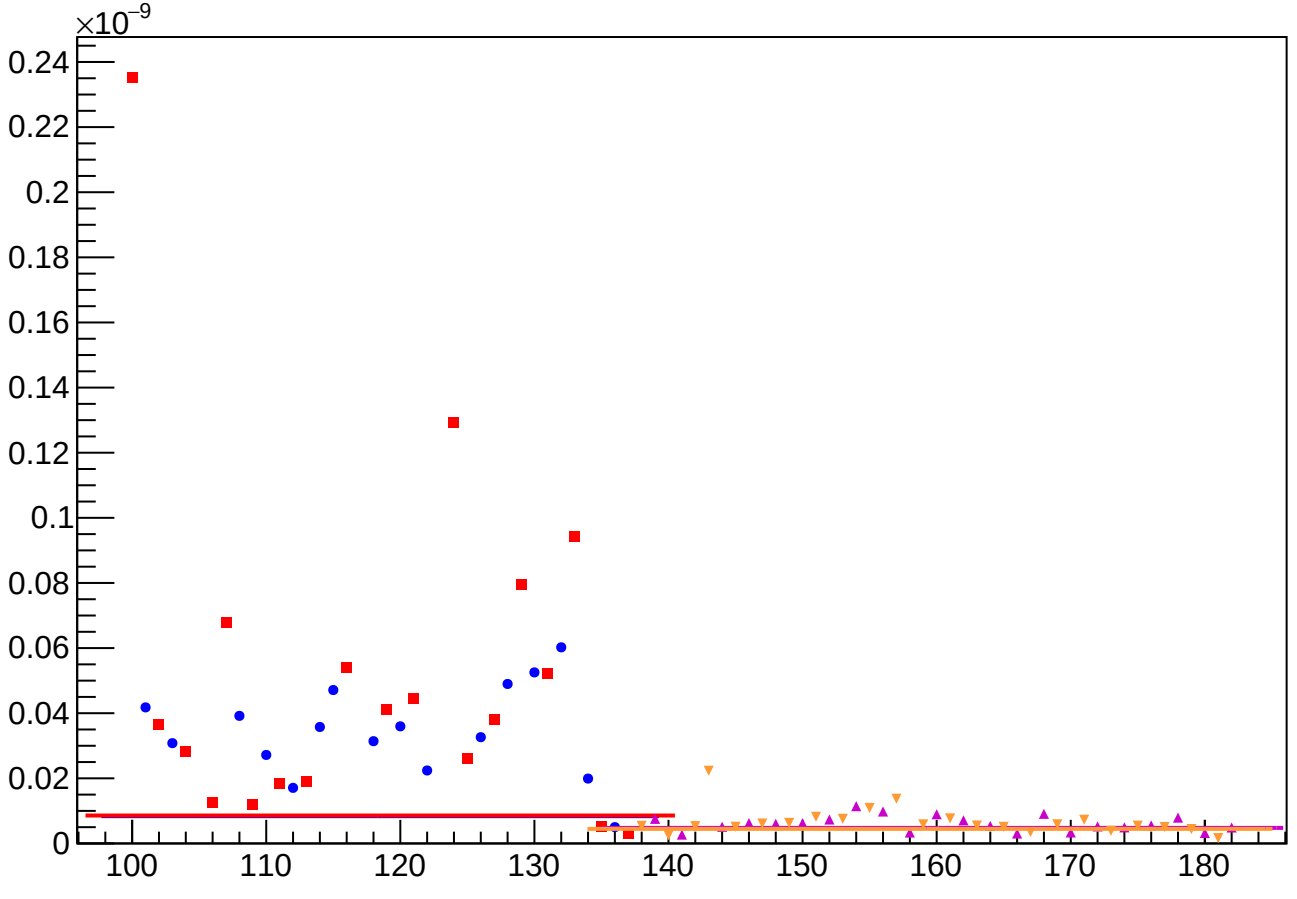
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:41.1/37

Out: 0.000+/-0.000 χ^2/NDF:47.1/41

All: -0.000+/-0.000 χ^2/NDF: 88.8/79

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:2696144.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1884771.1/21

Left: 0.000+/-0.000 χ^2/NDF: 4604332.7/44

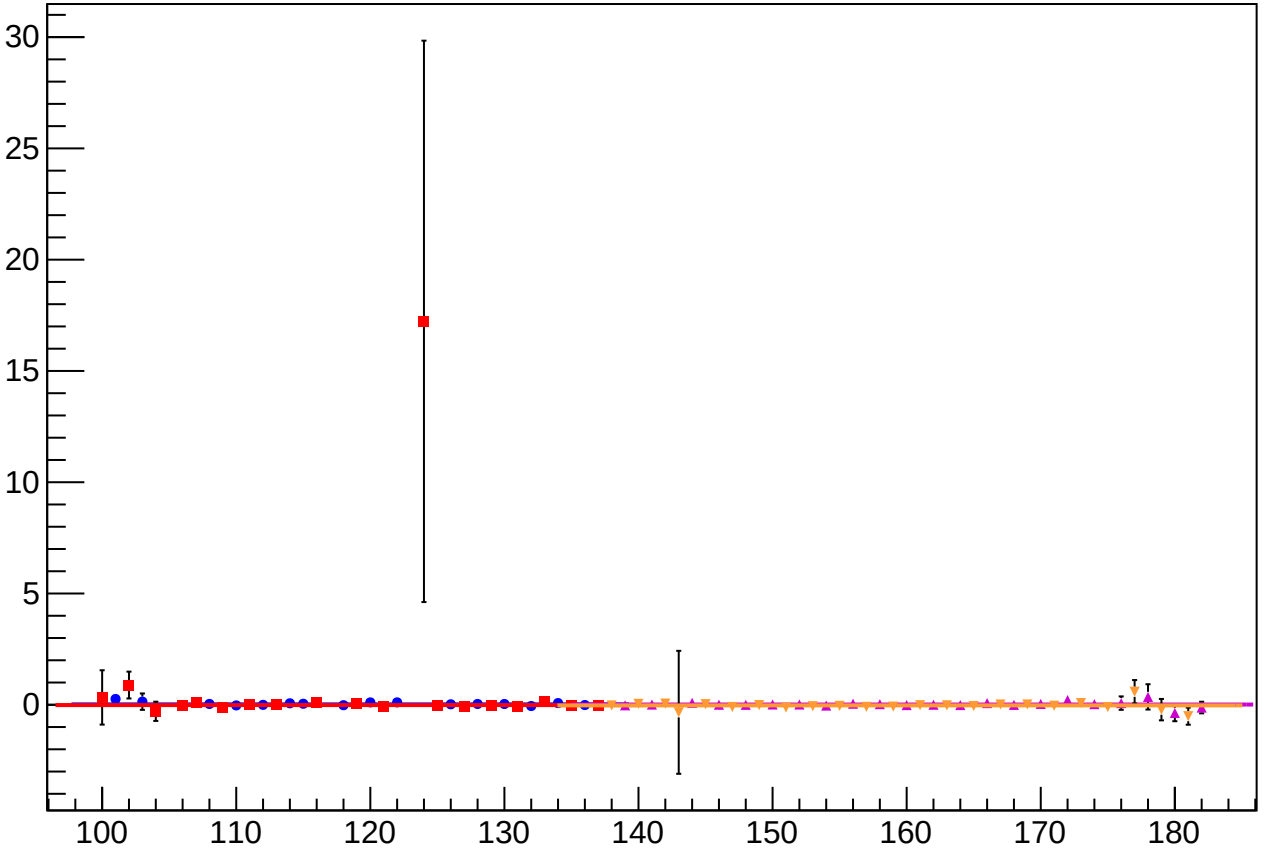
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5381835.3/37

Out: 0.000+/-0.000 χ^2/NDF:6539805.7/41

All: 0.000+/-0.000 χ^2/NDF: 11952188.1/79

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: -0.028+/-0.010 χ^2/NDF:26.9/22

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.4/21

Left: -0.008+/-0.007 χ^2/NDF: 47.6/44

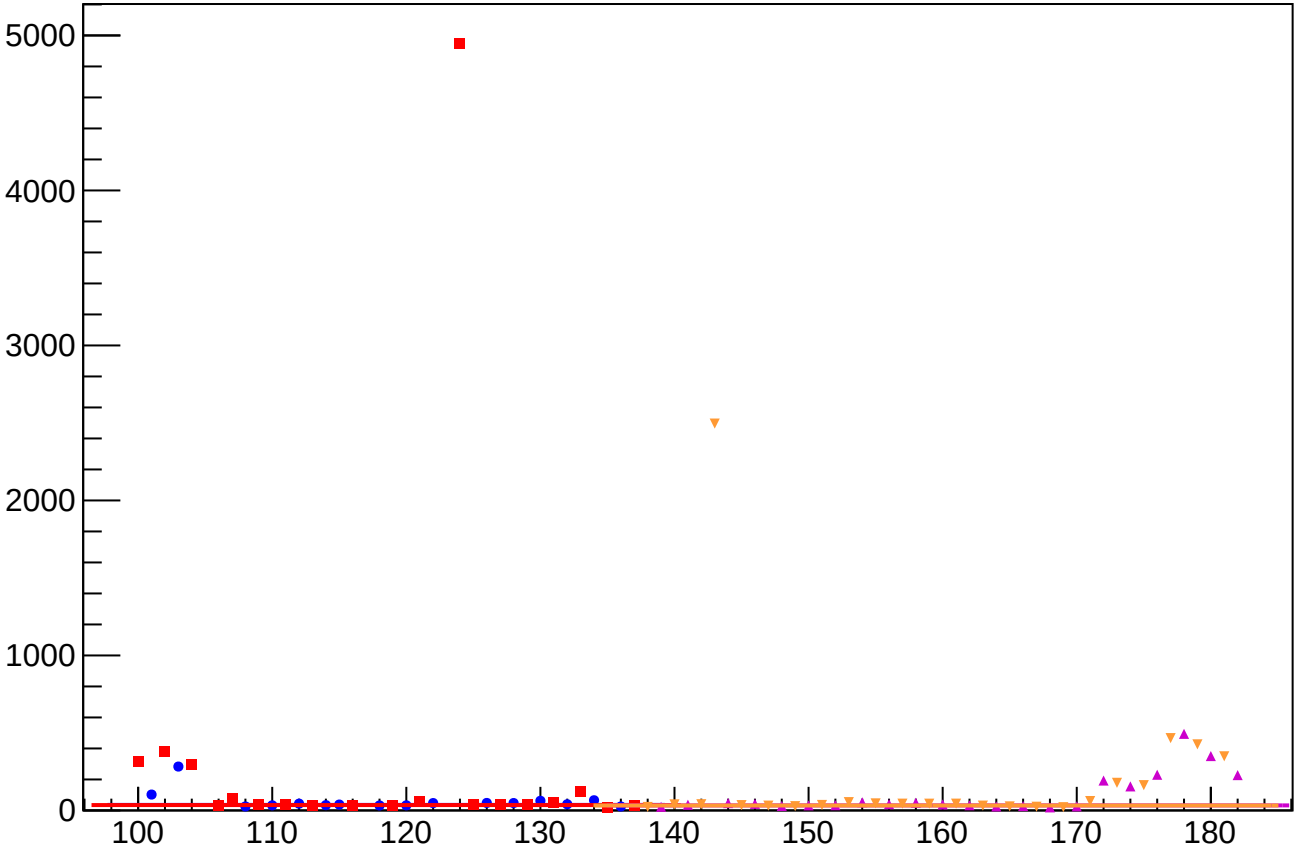
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/41

All: -0.006+/-0.006 χ^2/NDF: 77.6/79

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: 32.169+/-0.007 χ^2/NDF:9393169.5/22

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.628+/-0.007 χ^2/NDF:8549557.8/21

Left: 32.399+/-0.005 χ^2/NDF: 17945055.9/44

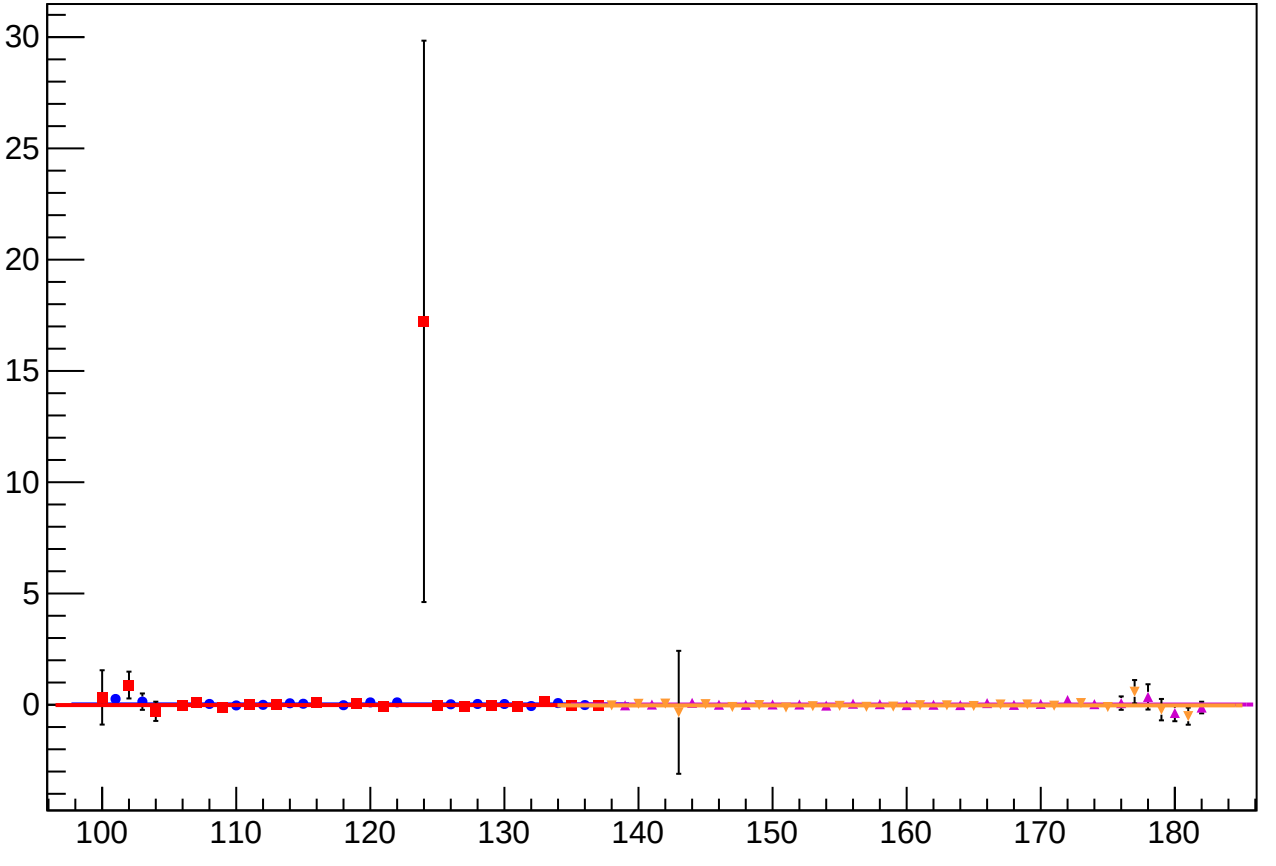
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.483+/-0.006 χ^2/NDF:10873313.9/37

Out: 32.881+/-0.006 χ^2/NDF:12348572.1/41

All: 33.183+/-0.004 χ^2/NDF: 23227384.7/79

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: -0.028+/-0.010 χ^2/NDF:26.9/22

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.4/21

Left: -0.008+/-0.007 χ^2/NDF: 47.6/44

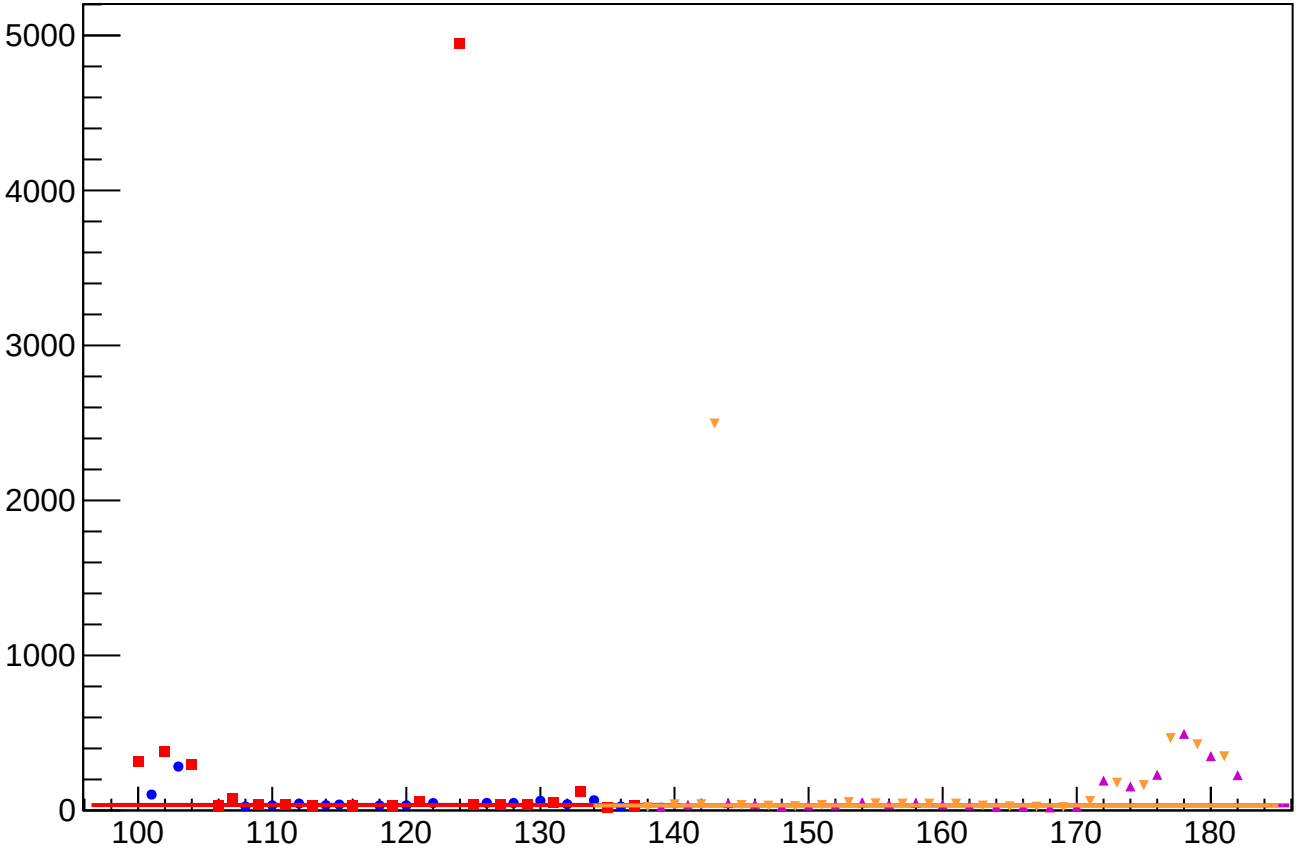
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/41

All: -0.006+/-0.006 χ^2/NDF: 77.6/79

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: 32.169+/-0.007 χ^2/NDF:9393169.5/22

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.628+/-0.007 χ^2/NDF:8549557.8/21

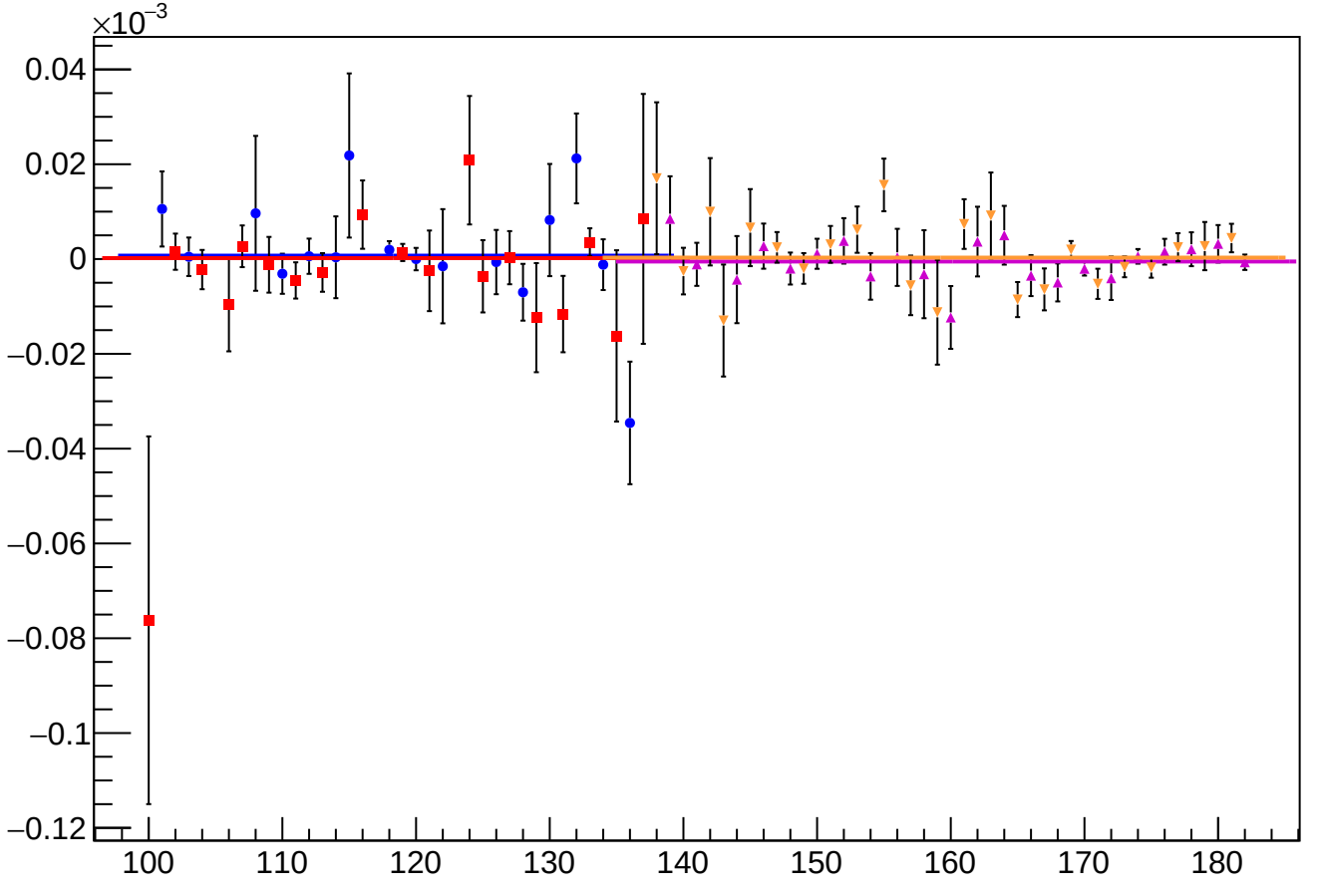
Left: 32.399+/-0.005 χ^2/NDF: 17945055.9/44

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.483+/-0.006 χ^2/NDF:10873313.9/37

Out: 32.881+/-0.006 χ^2/NDF:12348572.1/41

All: 33.183+/-0.004 χ^2/NDF: 23227384.7/79



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/21

Left: -0.000+/-0.000 χ^2/NDF: 49.9/44

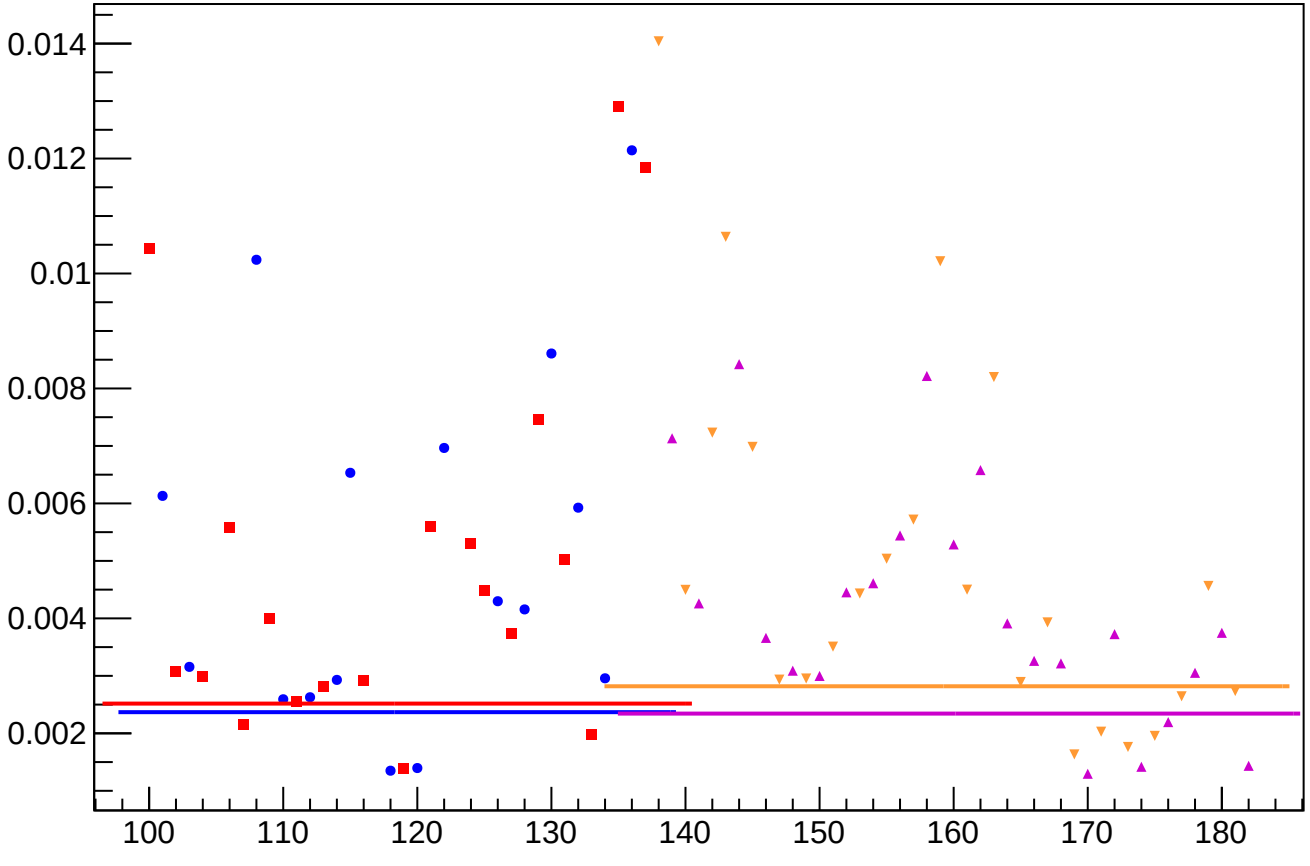
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:33.6/37

Out: 0.000+/-0.000 χ^2/NDF:53.7/41

All: 0.000+/-0.000 χ^2/NDF: 87.6/79

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7874548.3/22

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.002+/-0.000 χ^2/NDF:8565713.7/21

Left: 0.003+/-0.000 χ^2/NDF: 16874402.2/44

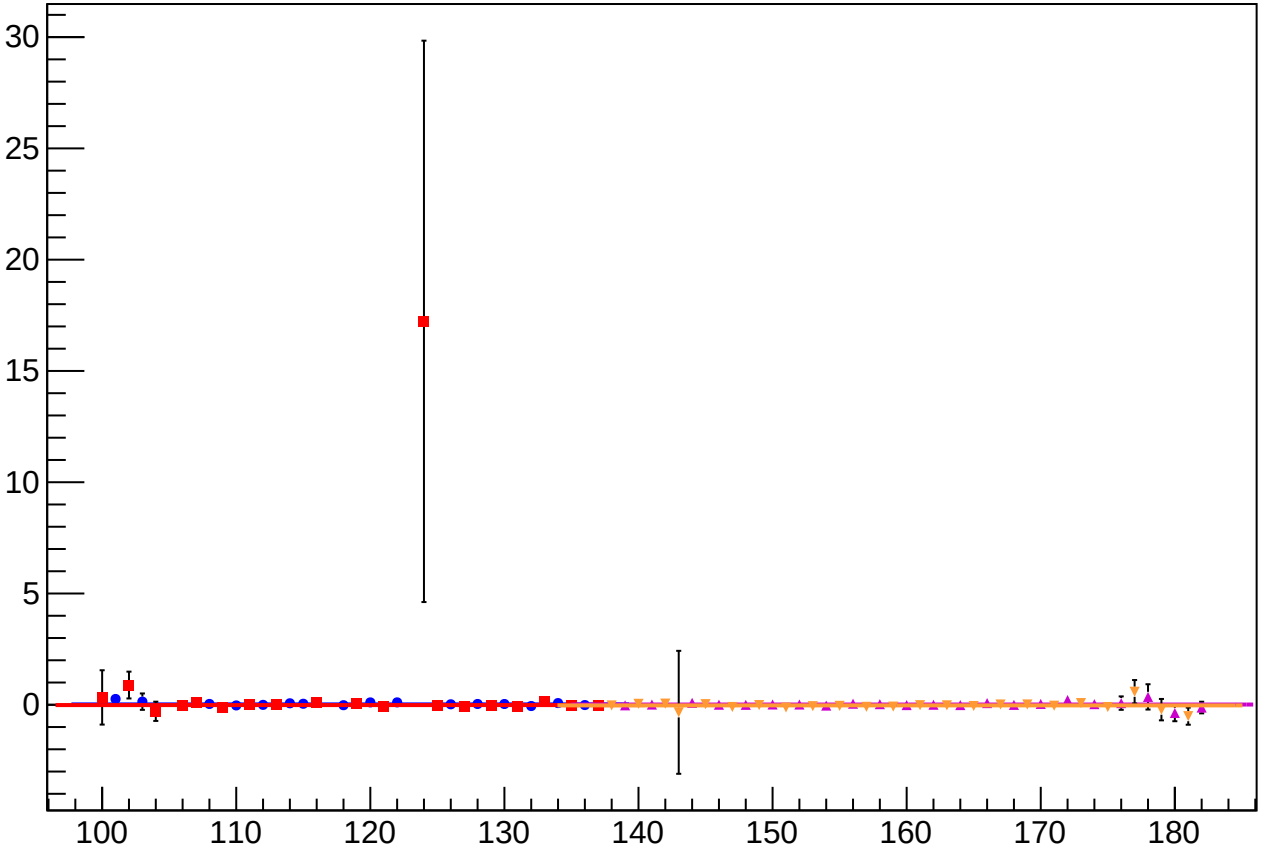
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:13288048.9/37

Out: 0.003+/-0.000 χ^2/NDF:11377566.1/41

All: 0.003+/-0.000 χ^2/NDF: 25037997.4/79

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: -0.028+/-0.010 χ^2/NDF:26.9/22

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.4/21

Left: -0.008+/-0.007 χ^2/NDF: 47.6/44

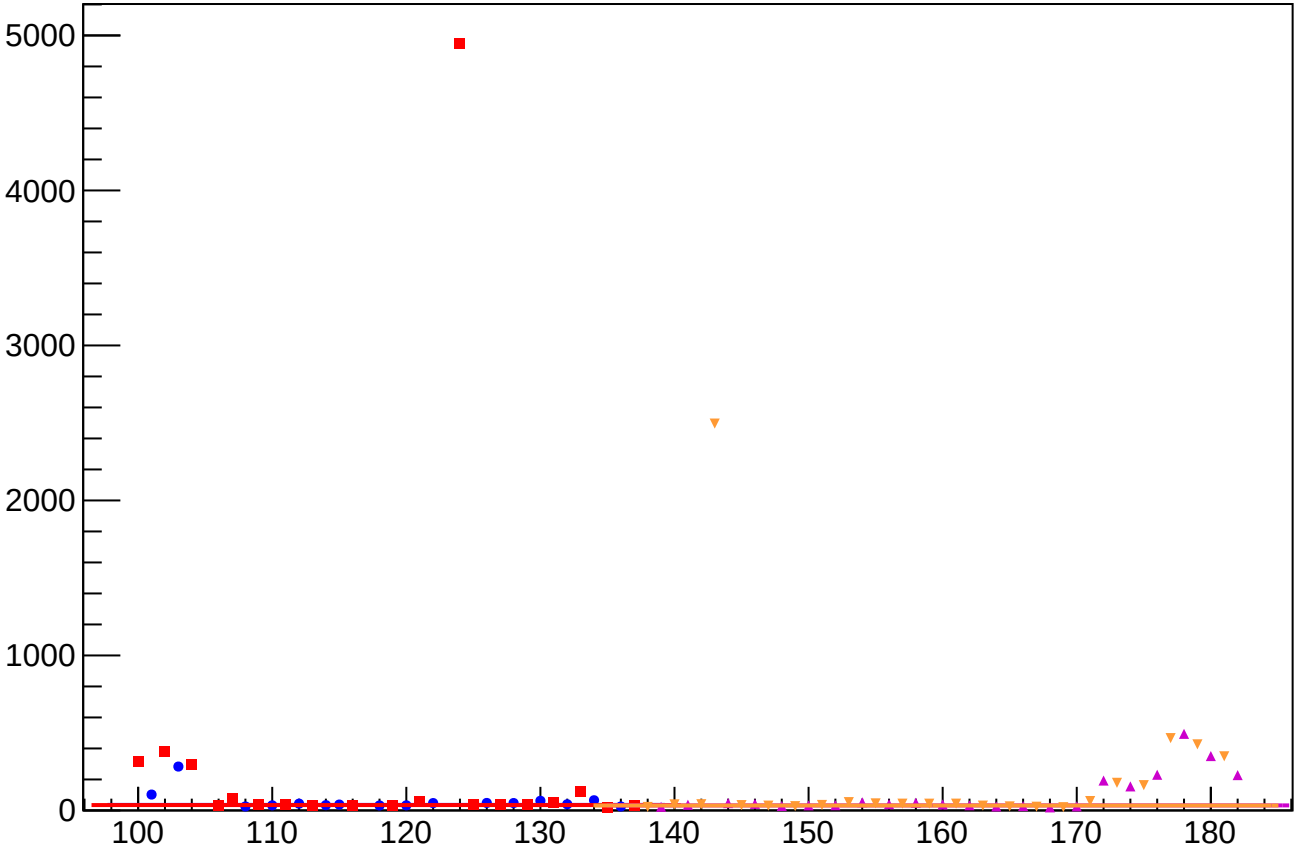
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/41

All: -0.006+/-0.006 χ^2/NDF: 77.6/79

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: 32.168+/-0.007 χ^2/NDF:9393423.6/22

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.626+/-0.007 χ^2/NDF:8550184.6/21

Left: 32.398+/-0.005 χ^2/NDF: 17945925.7/44

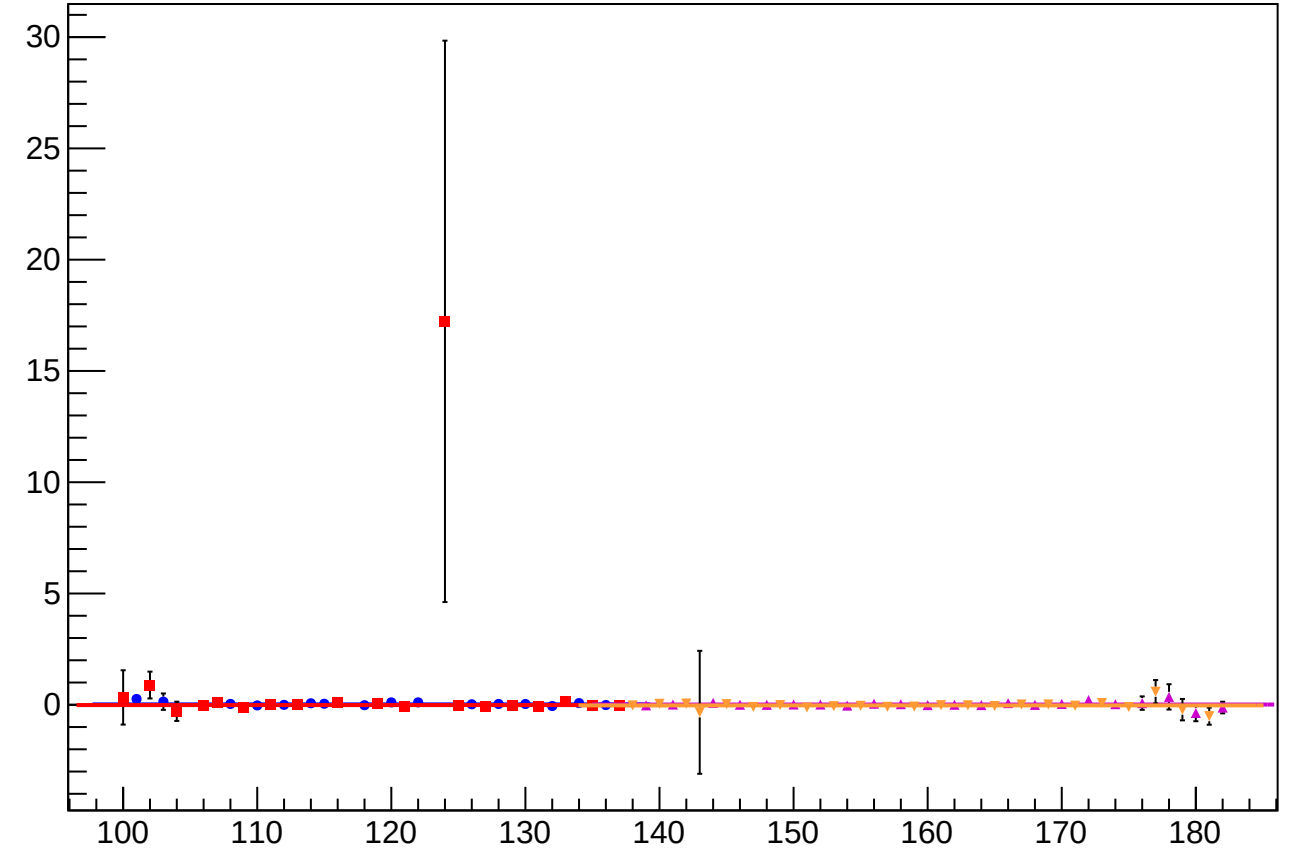
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.482+/-0.006 χ^2/NDF:10873769.6/37

Out: 32.881+/-0.006 χ^2/NDF:12348686.4/41

All: 33.183+/-0.004 χ^2/NDF: 23227942.4/79

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: -0.028+/-0.010 χ^2/NDF:26.9/22

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.4/21

Left: -0.008+/-0.007 χ^2/NDF: 47.6/44

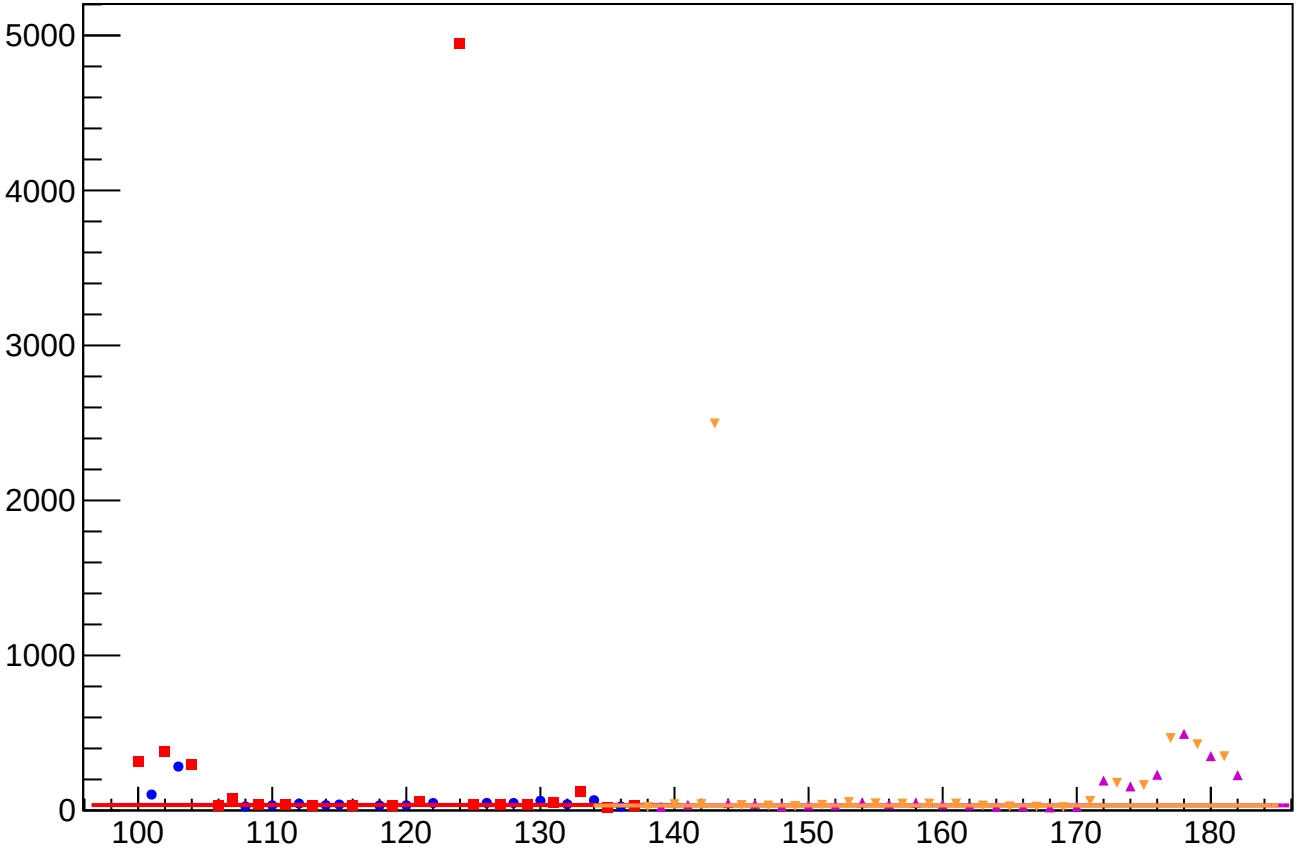
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/41

All: -0.006+/-0.006 χ^2/NDF: 77.6/79

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: 32.168+/-0.007 χ^2/NDF:9393423.6/22

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.626+/-0.007 χ^2/NDF:8550184.6/21

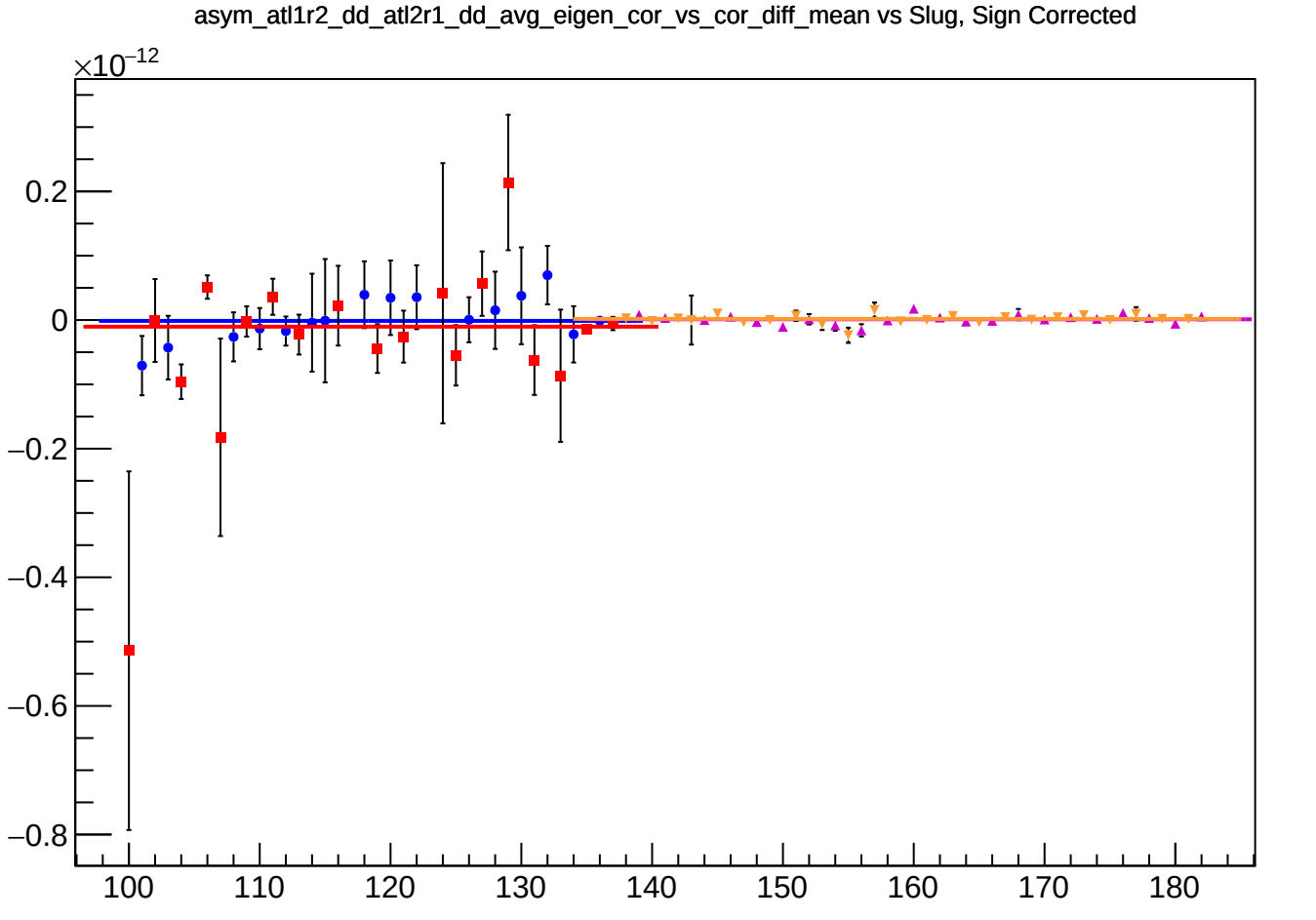
Left: 32.398+/-0.005 χ^2/NDF: 17945925.7/44

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

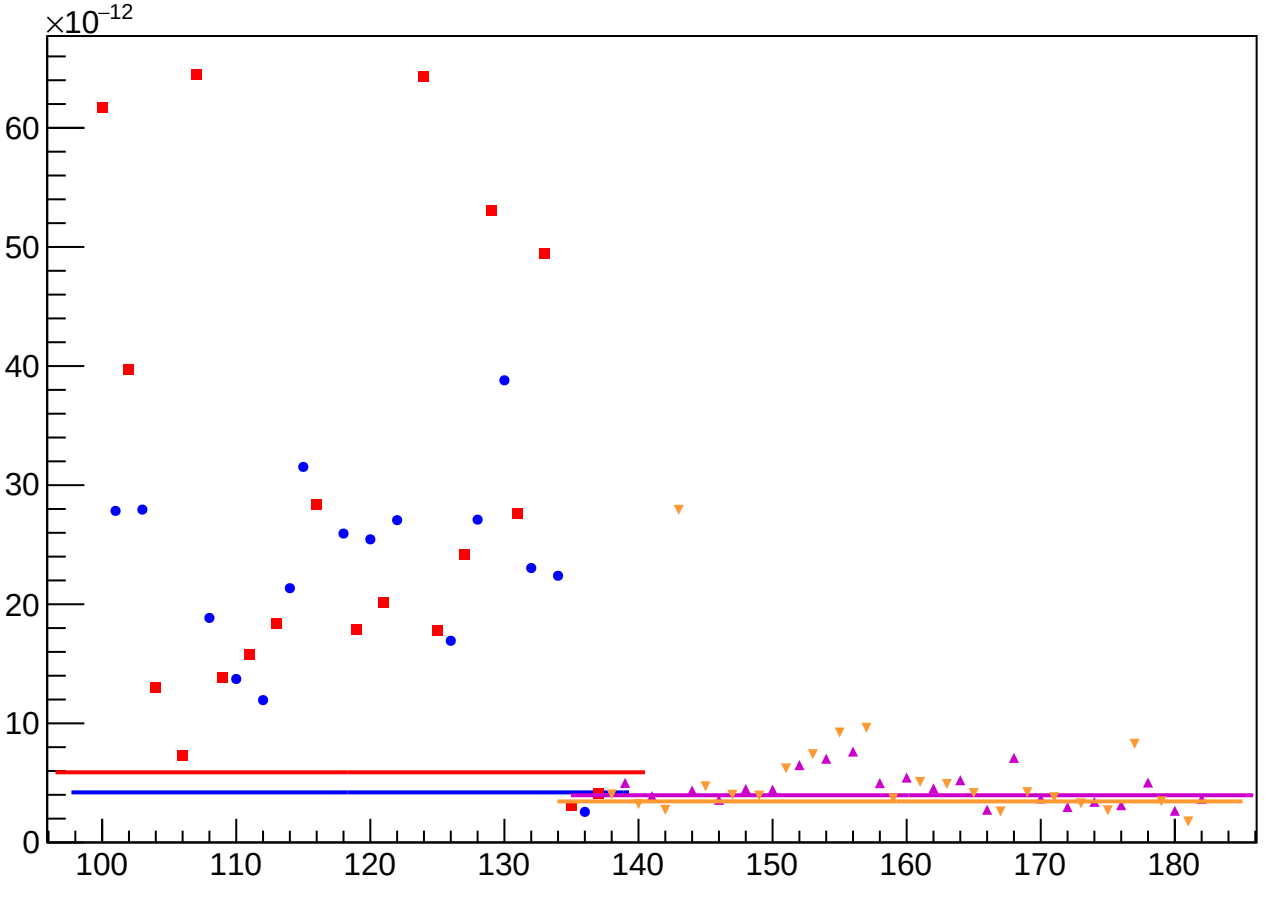
In: 33.482+/-0.006 χ^2/NDF:10873769.6/37

Out: 32.881+/-0.006 χ^2/NDF:12348686.4/41

All: 33.183+/-0.004 χ^2/NDF: 23227942.4/79


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
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:15.5/22
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:28.5/21
Left: 0.000+/-0.000 χ²/NDF: 44.1/44
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:37.6/37
Out: 0.000+/-0.000 χ²/NDF:63.2/41
All: 0.000+/-0.000 χ²/NDF: 100.9/79

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4564814.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2064196.8/21

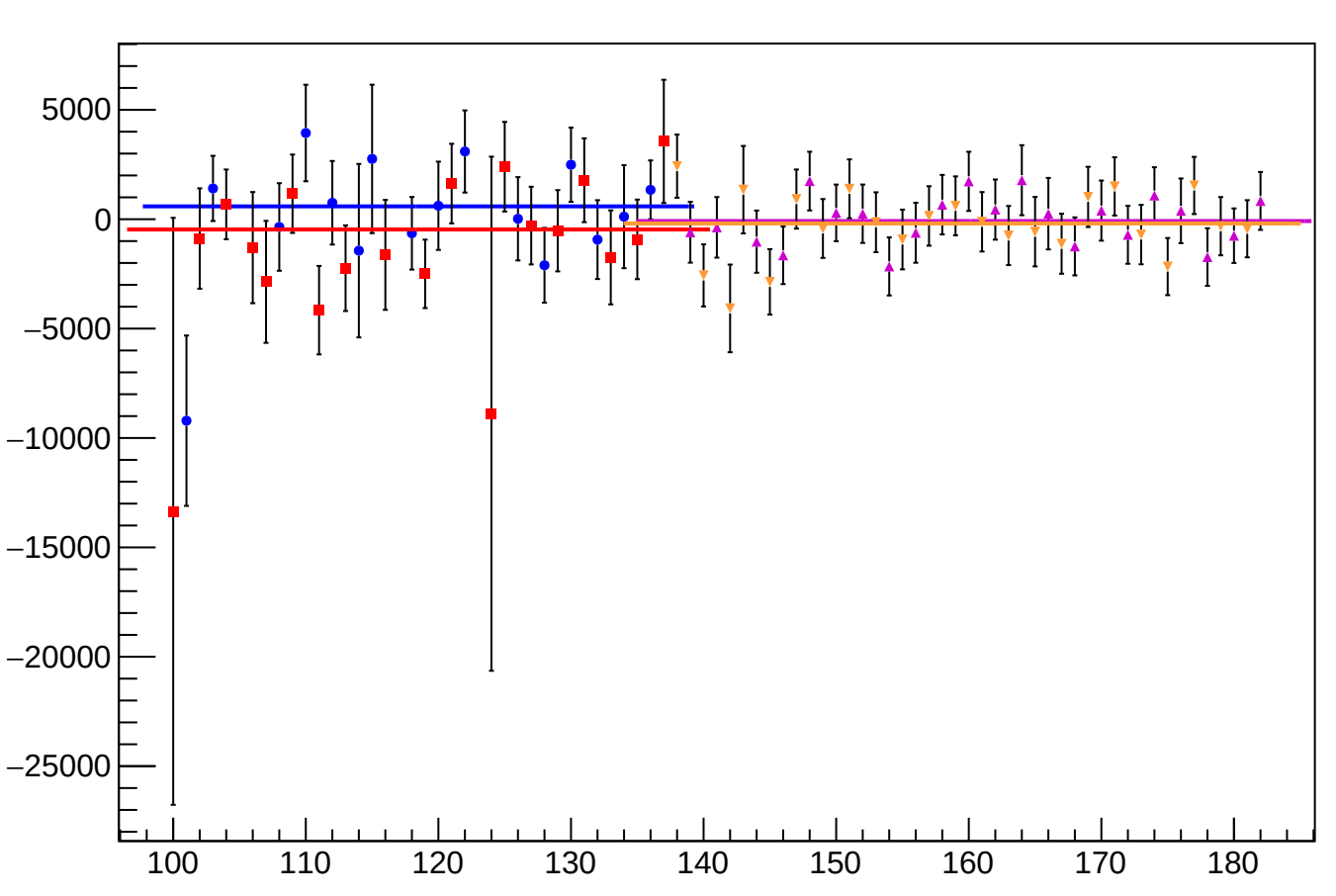
Left: 0.000+/-0.000 χ^2/NDF: 6844739.4/44

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:7153237.5/37

Out: 0.000+/-0.000 χ^2/NDF:10067692.9/41

All: 0.000+/-0.000 χ^2/NDF: 17355595.7/79



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -194.419+/-292.158 χ^2/NDF:23.8/22

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -84.065+/-290.828 χ^2/NDF:14.6/21

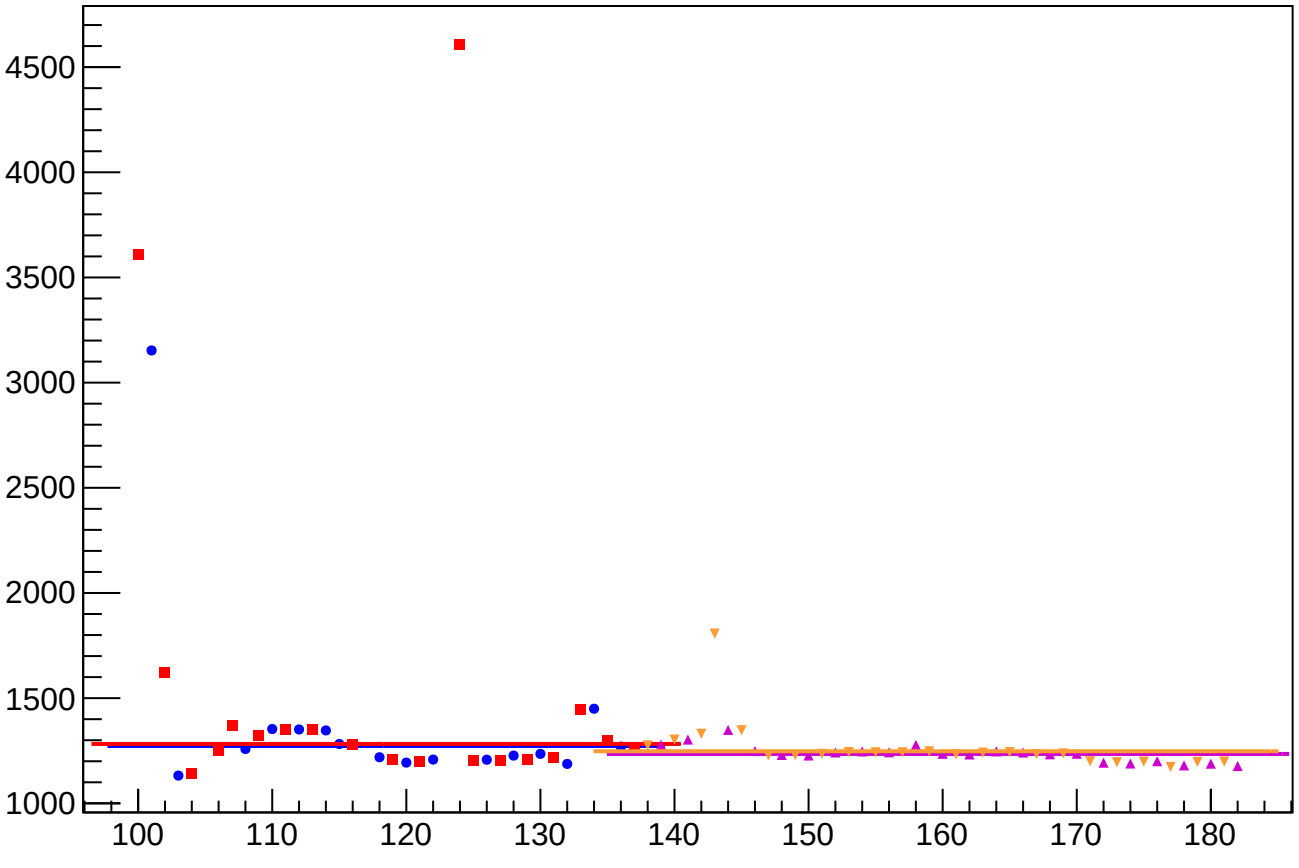
Left: -138.991+/-206.115 χ^2/NDF: 38.5/44

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 94.787+/-249.071 χ^2/NDF:33.1/37

Out: -268.532+/-249.637 χ^2/NDF:40.8/41

All: -86.460+/-176.320 χ^2/NDF: 75.0/79



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1247.563+/-0.207 χ^2/NDF:194718.0/22

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

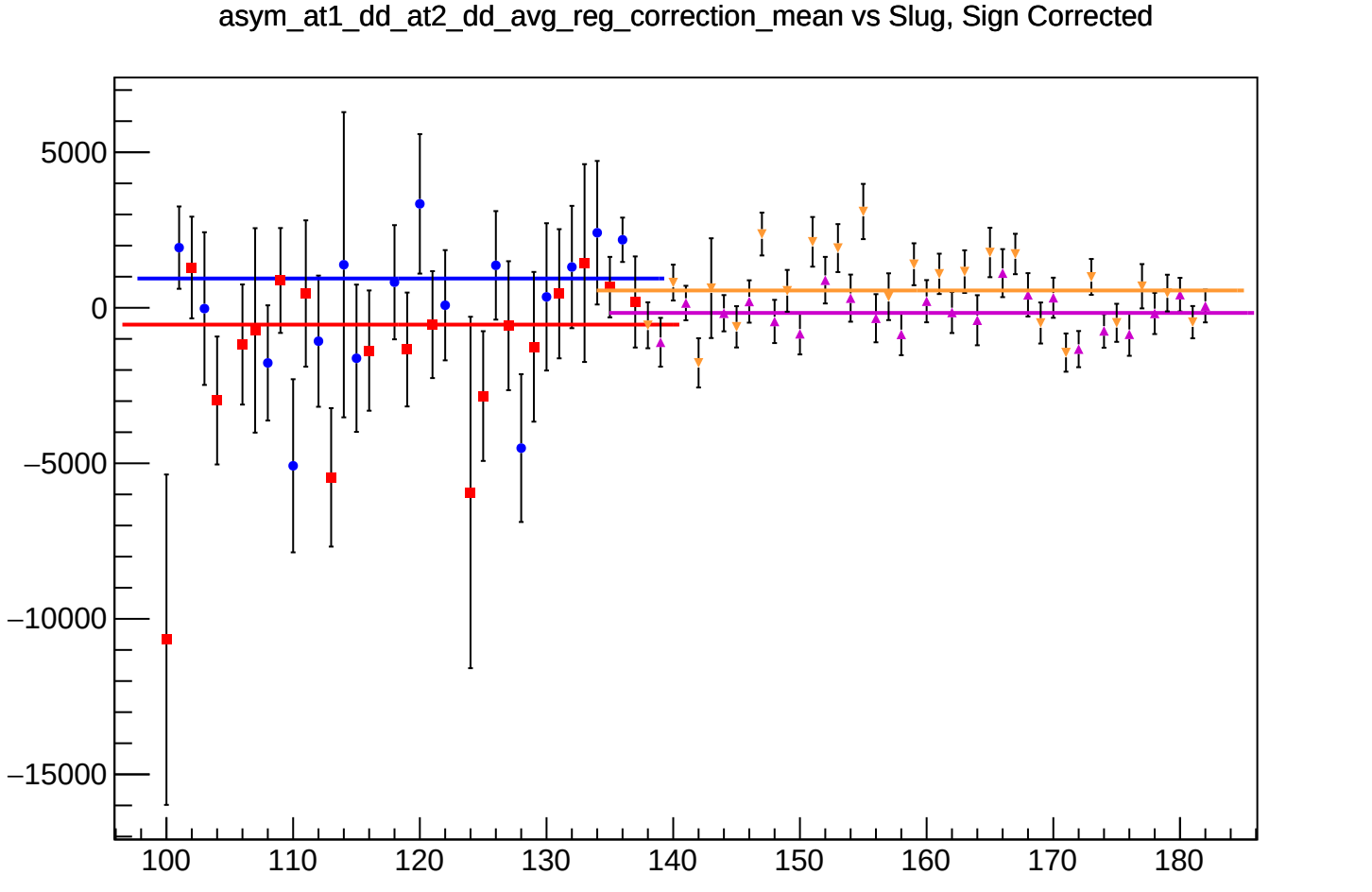
Left: 1241.153+/-0.146 χ^2/NDF: 234462.2/44

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1244.931+/-0.176 χ^2/NDF:566228.1/37

Out: 1256.956+/-0.177 χ^2/NDF:524456.1/41

All: 1250.930+/-0.125 χ^2/NDF: 1093010.2/79



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 556.906+/-142.043 χ^2/NDF:65.5/22

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -165.133+/-139.105 χ^2/NDF:18.6/21

Left: 188.342+/-99.384 χ^2/NDF: 97.3/44

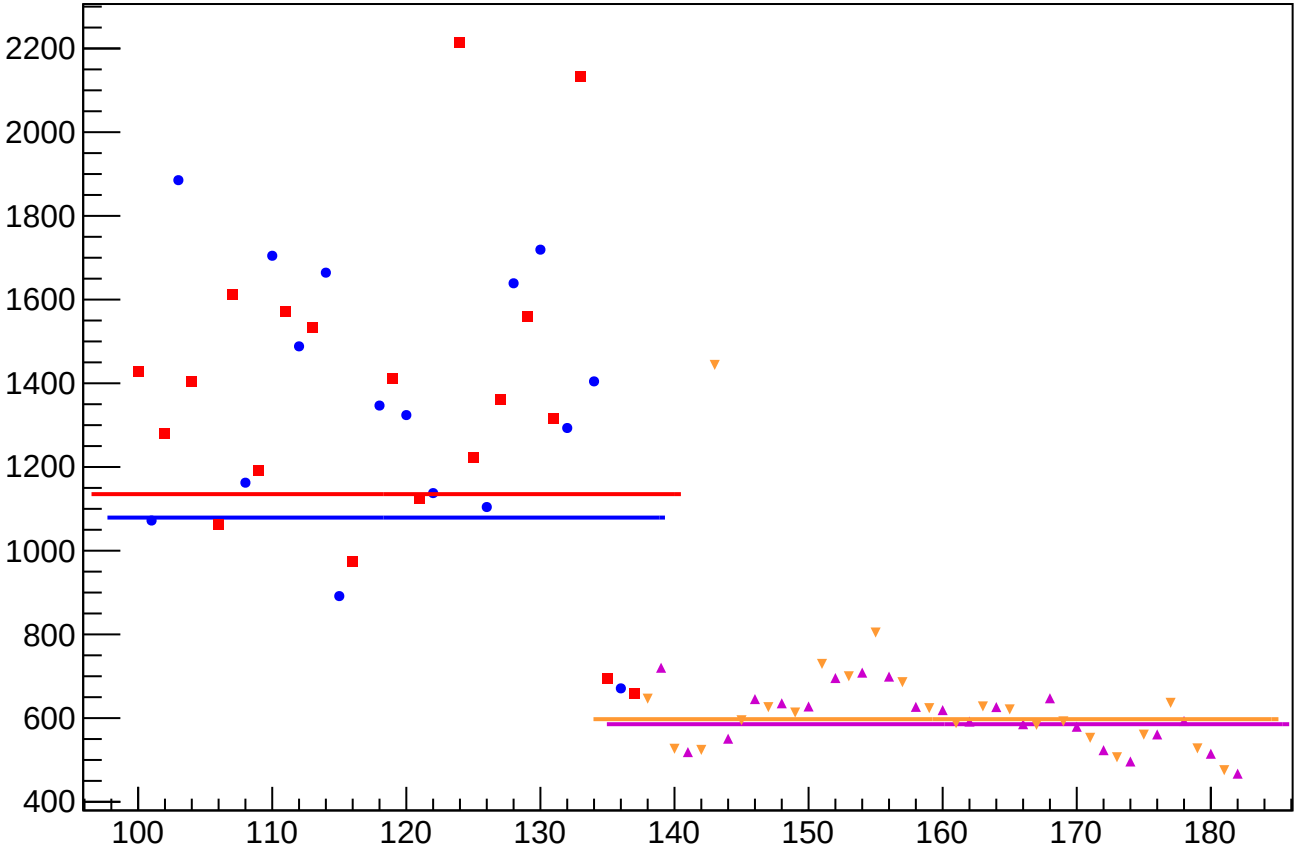
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -58.407+/-132.229 χ^2/NDF:44.6/37

Out: 453.281+/-135.171 χ^2/NDF:88.3/41

All: 191.807+/-94.523 χ^2/NDF: 140.2/79

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: 597.476+/-0.100 χ^2/NDF:1066558.4/22

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 585.445+/-0.098 χ^2/NDF:517567.4/21

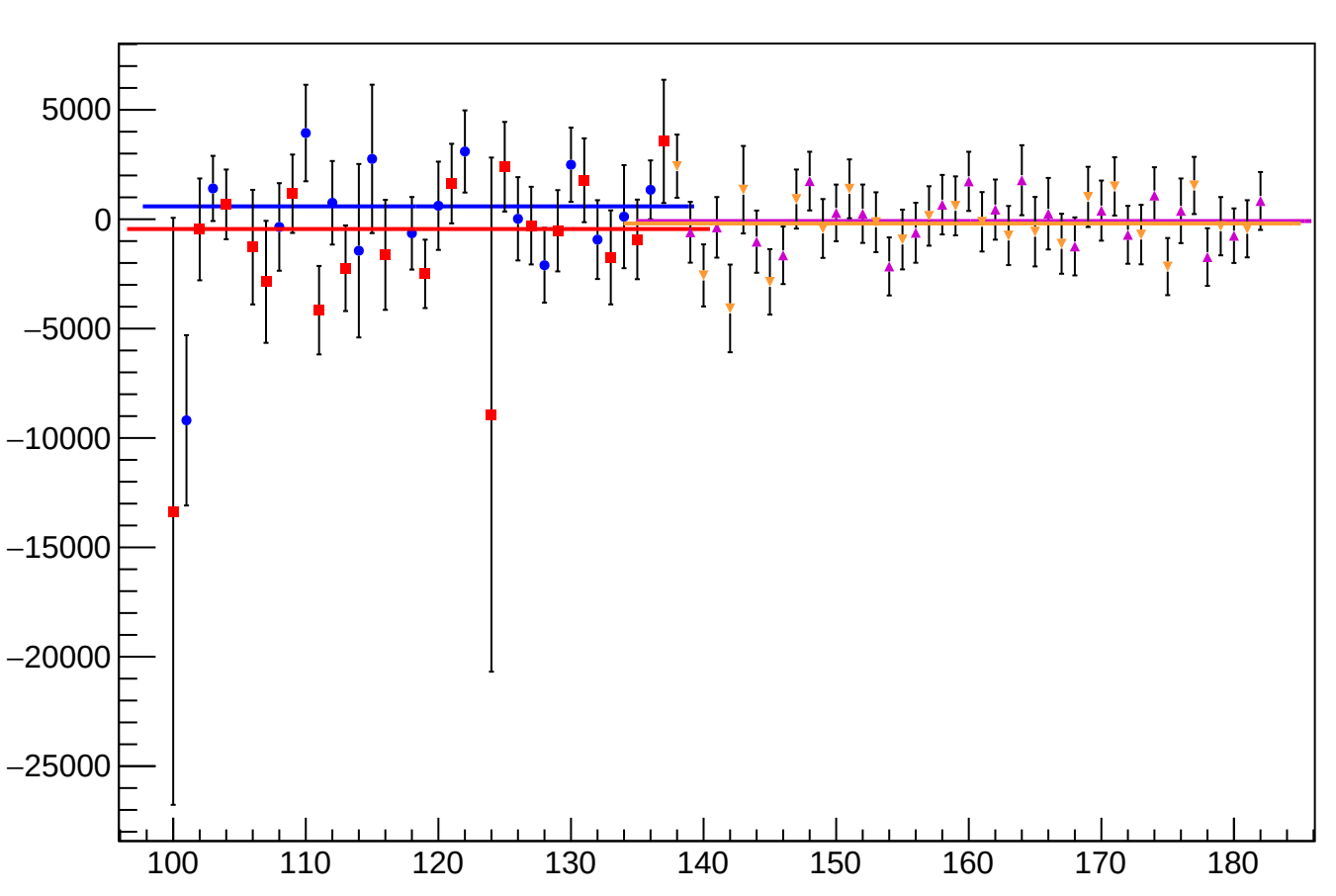
Left: 591.335+/-0.070 χ^2/NDF: 1591449.7/44

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 633.045+/-0.093 χ^2/NDF:4428603.7/37

Out: 648.242+/-0.096 χ^2/NDF:5065446.6/41

All: 640.476+/-0.067 χ^2/NDF: 9506969.7/79



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -194.468+/-292.158 χ^2/NDF:23.8/22

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -84.117+/-290.828 χ^2/NDF:14.6/21

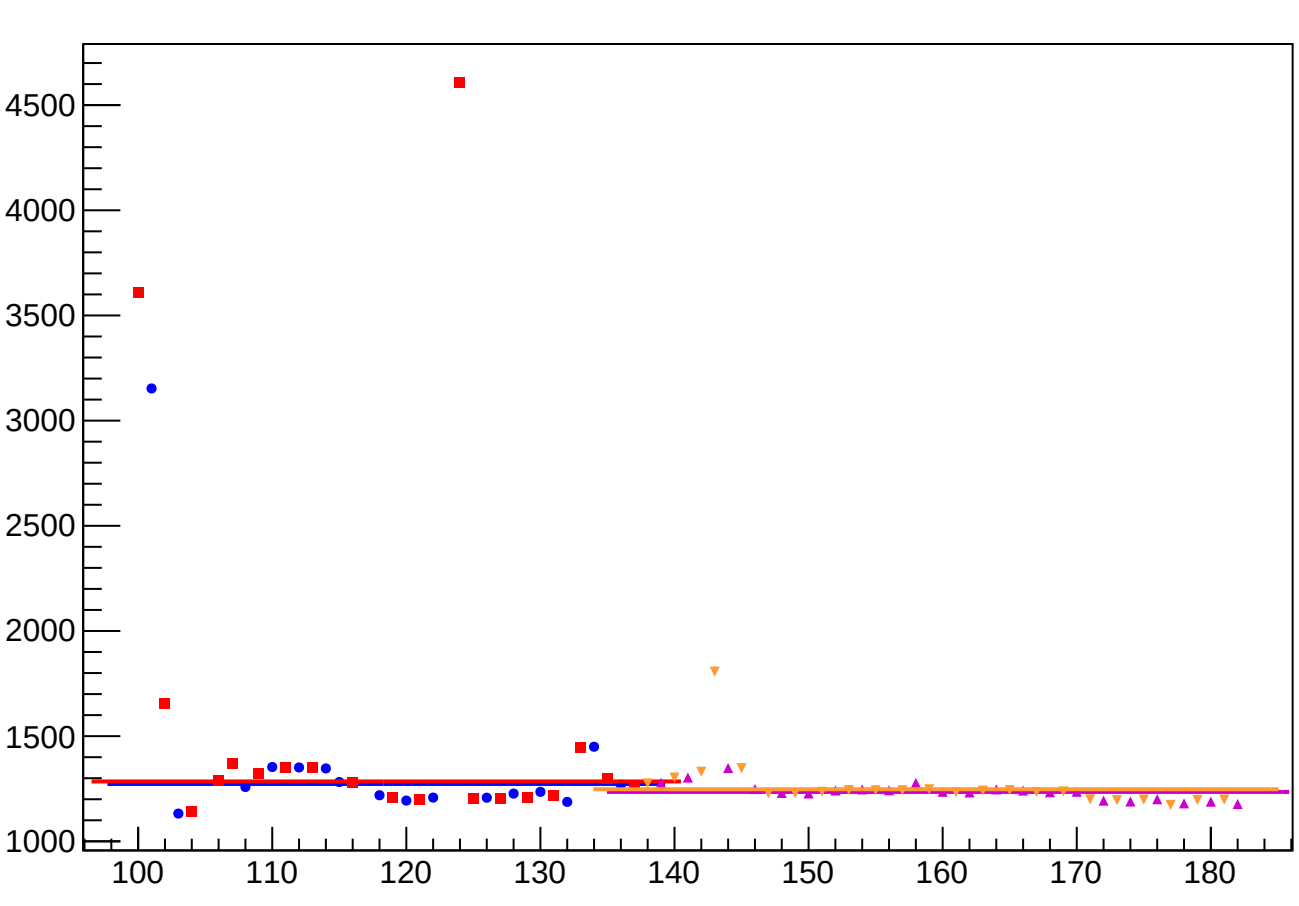
Left: -139.041+/-206.115 χ^2/NDF: 38.5/44

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 94.834+/-249.071 χ^2/NDF:33.1/37

Out: -262.838+/-249.751 χ^2/NDF:40.8/41

All: -83.514+/-176.360 χ^2/NDF: 74.9/79



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1247.563+/-0.207 χ^2/NDF:194718.0/22

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

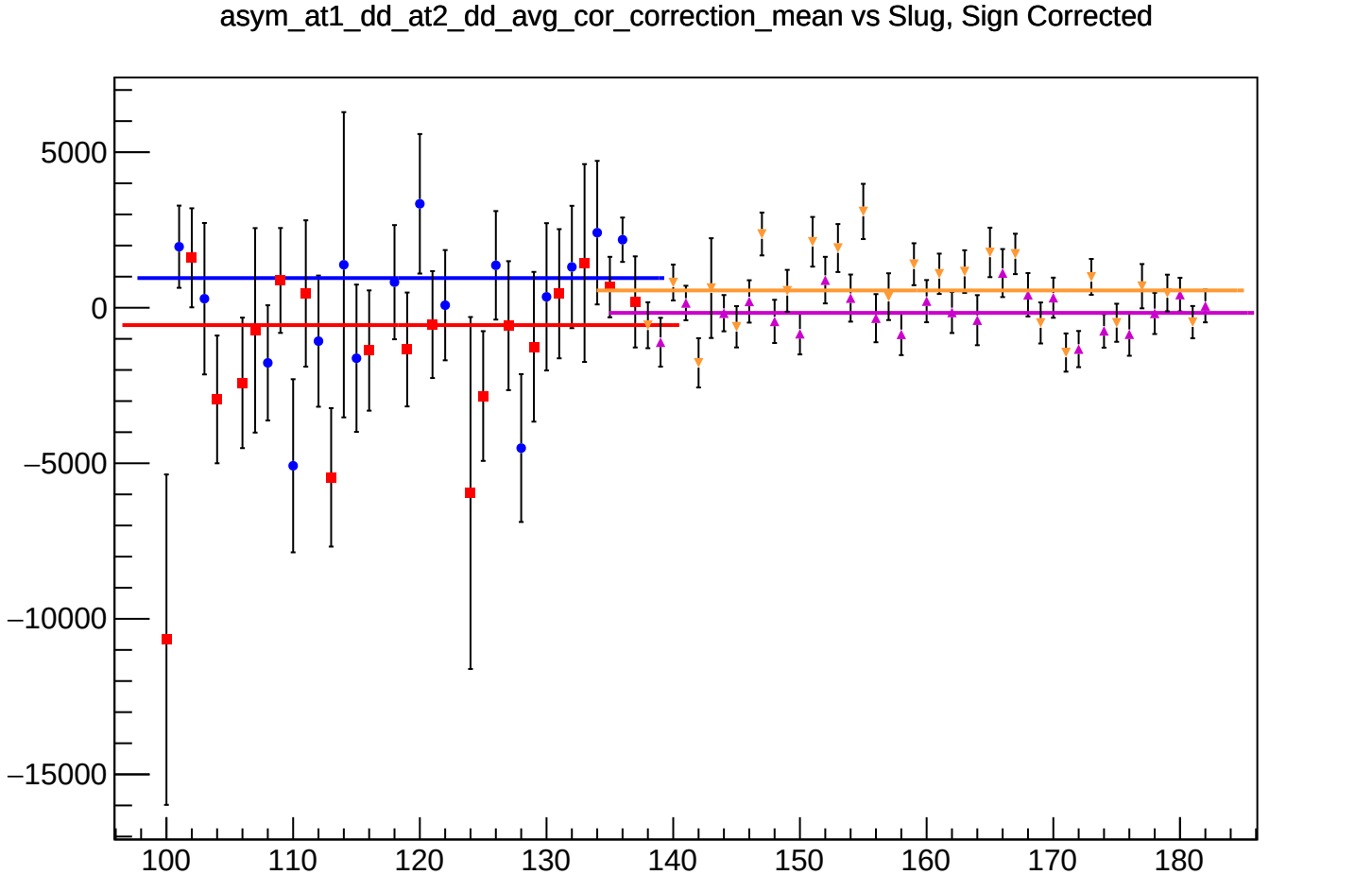
Left: 1241.153+/-0.146 χ^2/NDF: 234462.2/44

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1244.931+/-0.176 χ^2/NDF:566229.4/37

Out: 1257.549+/-0.177 χ^2/NDF:532131.7/41

All: 1251.223+/-0.125 χ^2/NDF: 1100921.0/79



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 556.880+/-142.044 χ^2/NDF:65.5/22

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -165.131+/-139.104 χ^2/NDF:18.6/21

Left: 188.326+/-99.384 χ^2/NDF: 97.3/44

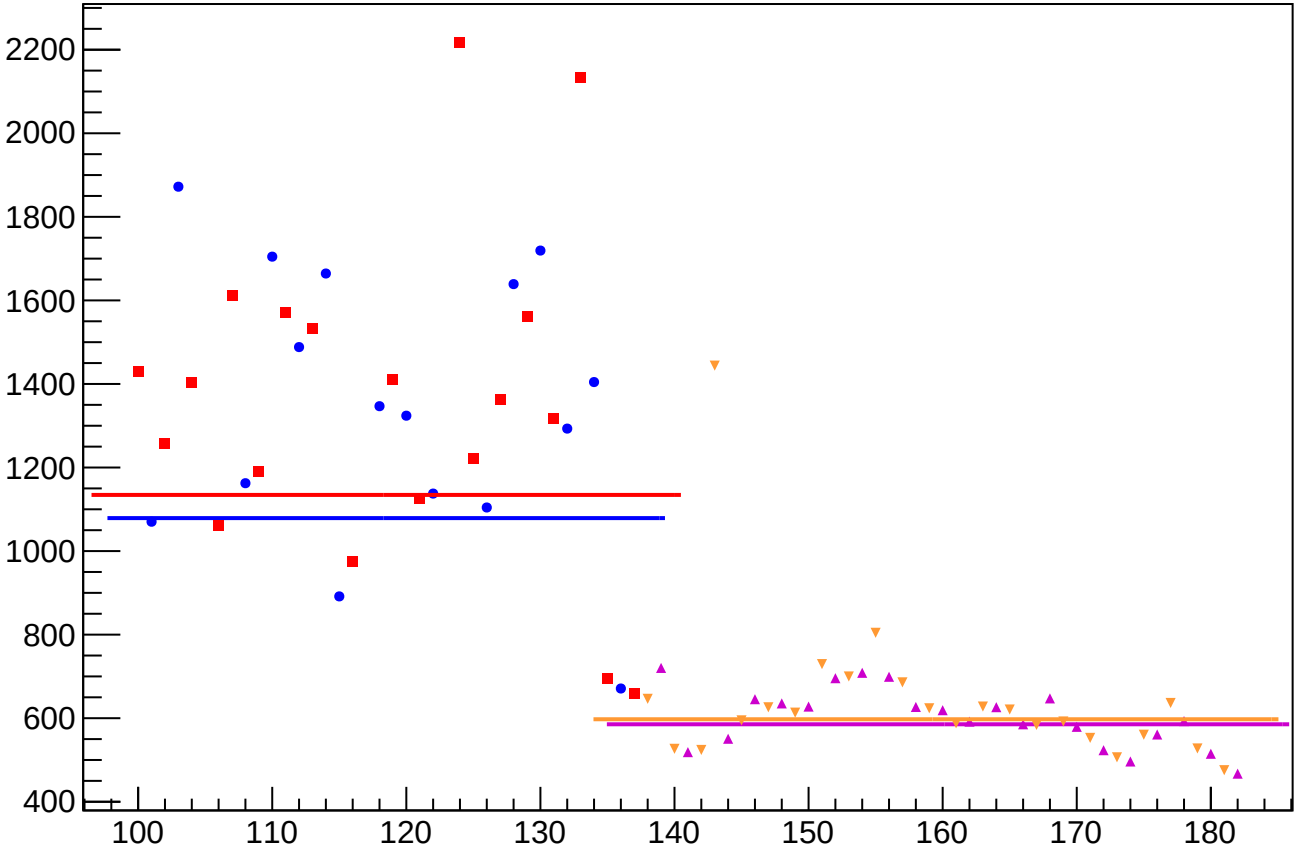
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -57.131+/-132.223 χ^2/NDF:44.7/37

Out: 451.990+/-135.196 χ^2/NDF:89.7/41

All: 191.769+/-94.529 χ^2/NDF: 141.6/79

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: 597.480+/-0.100 χ^2/NDF:1066475.2/22

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.442+/-0.098 χ^2/NDF:517584.9/21

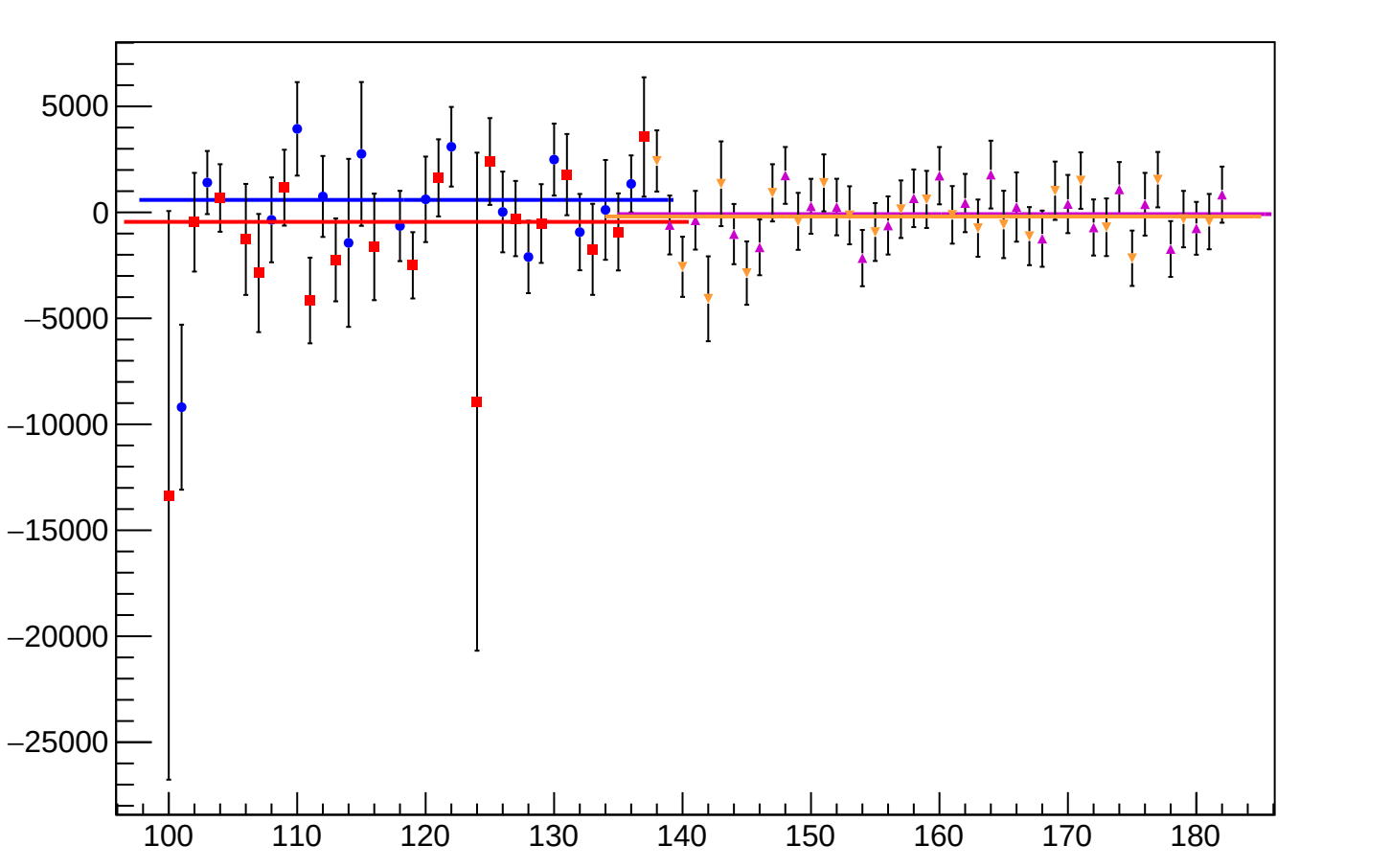
Left: 591.335+/-0.070 χ^2/NDF: 1591392.5/44

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 633.059+/-0.093 χ^2/NDF:4425108.5/37

Out: 648.000+/-0.096 χ^2/NDF:5044311.2/41

All: 640.363+/-0.067 χ^2/NDF: 9481903.7/79



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -194.468+/-292.158 χ^2/NDF:23.8/22

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -84.117+/-290.828 χ^2/NDF:14.6/21

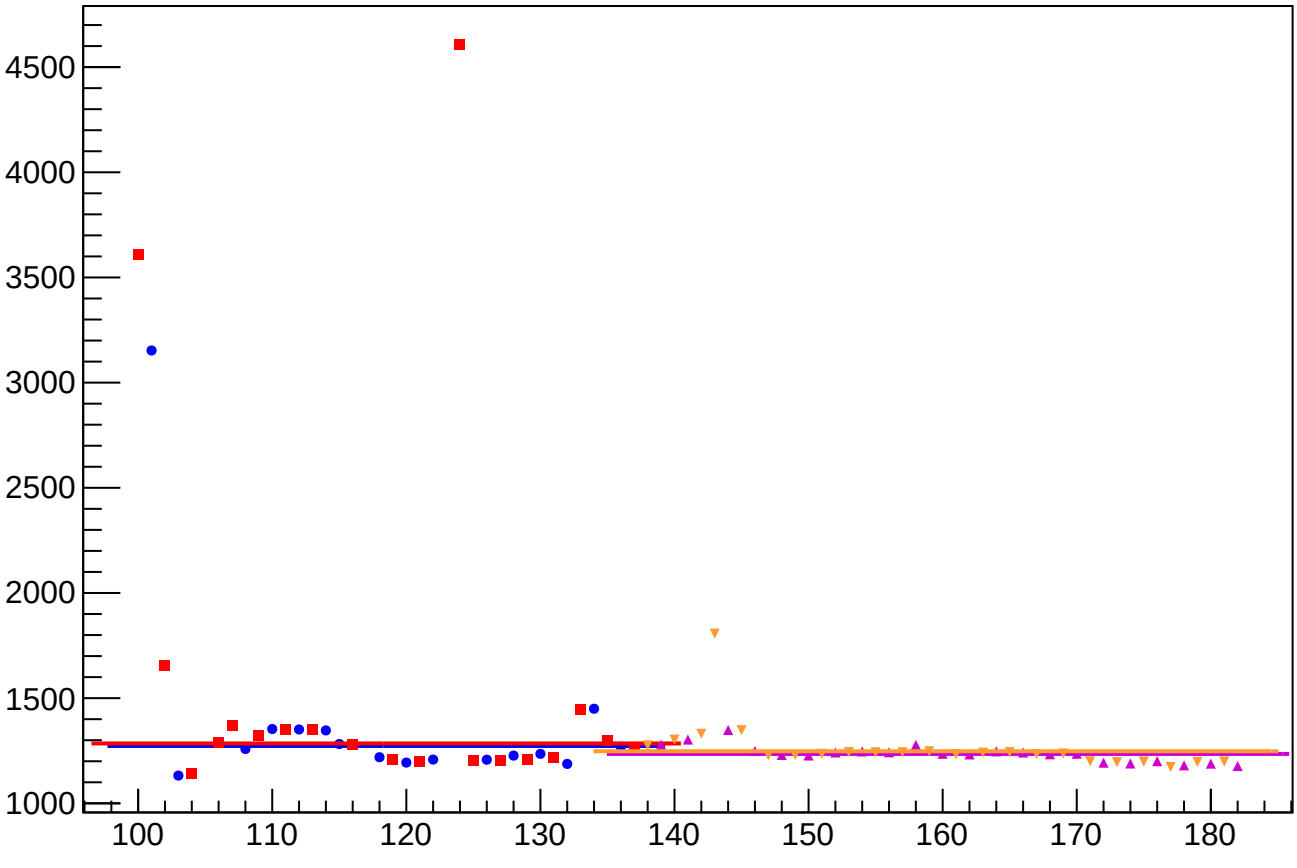
Left: -139.041+/-206.115 χ^2/NDF: 38.5/44

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 94.834+/-249.071 χ^2/NDF:33.1/37

Out: -262.838+/-249.751 χ^2/NDF:40.8/41

All: -83.514+/-176.360 χ^2/NDF: 74.9/79



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1247.563+/-0.207 χ^2/NDF:194718.0/22

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

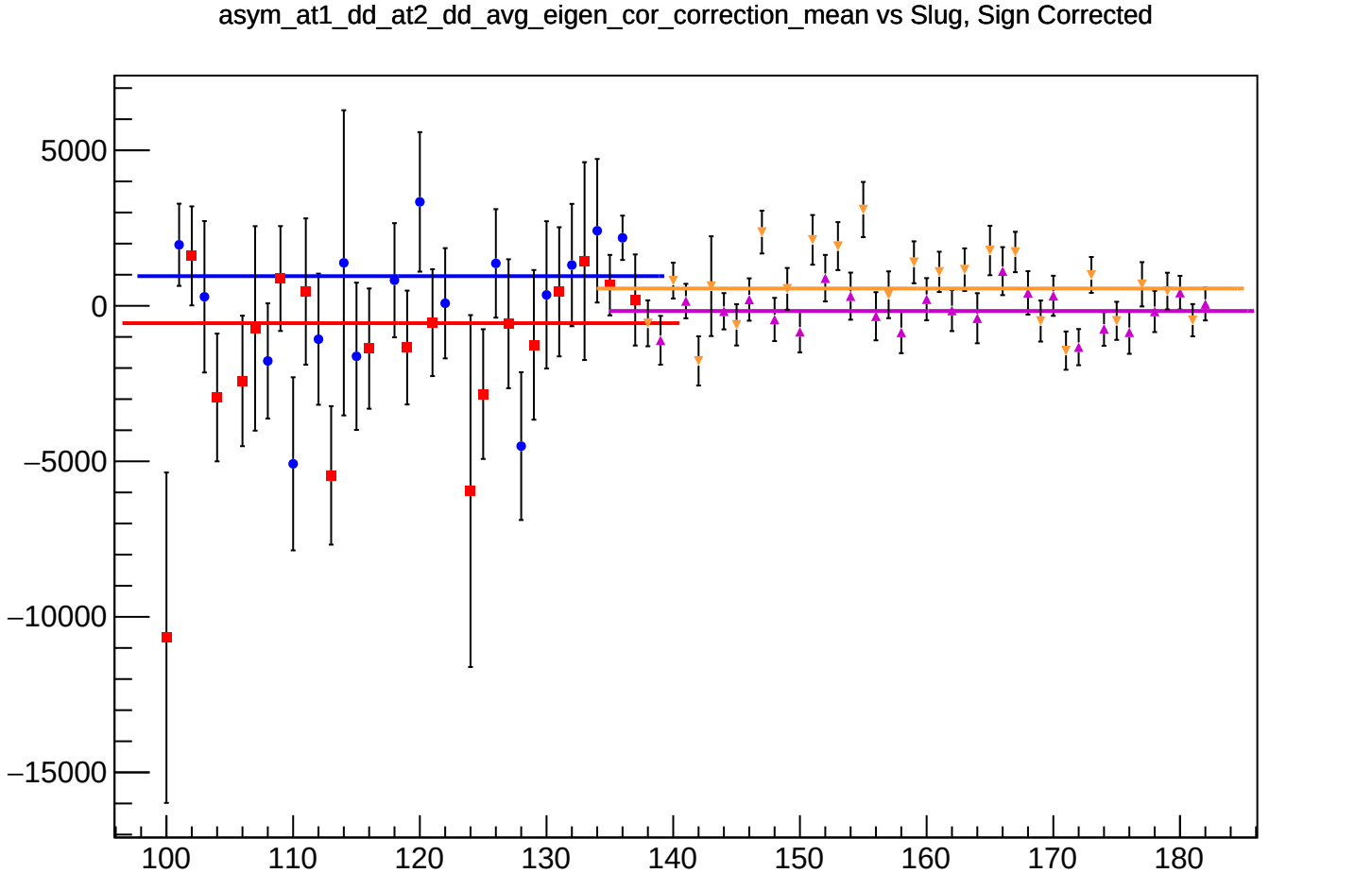
Left: 1241.153+/-0.146 χ^2/NDF: 234462.2/44

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1244.931+/-0.176 χ^2/NDF:566229.4/37

Out: 1257.549+/-0.177 χ^2/NDF:532131.7/41

All: 1251.223+/-0.125 χ^2/NDF: 1100921.0/79



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 556.880+/-142.044 χ^2/NDF:65.5/22

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -165.131+/-139.104 χ^2/NDF:18.6/21

Left: 188.326+/-99.384 χ^2/NDF: 97.3/44

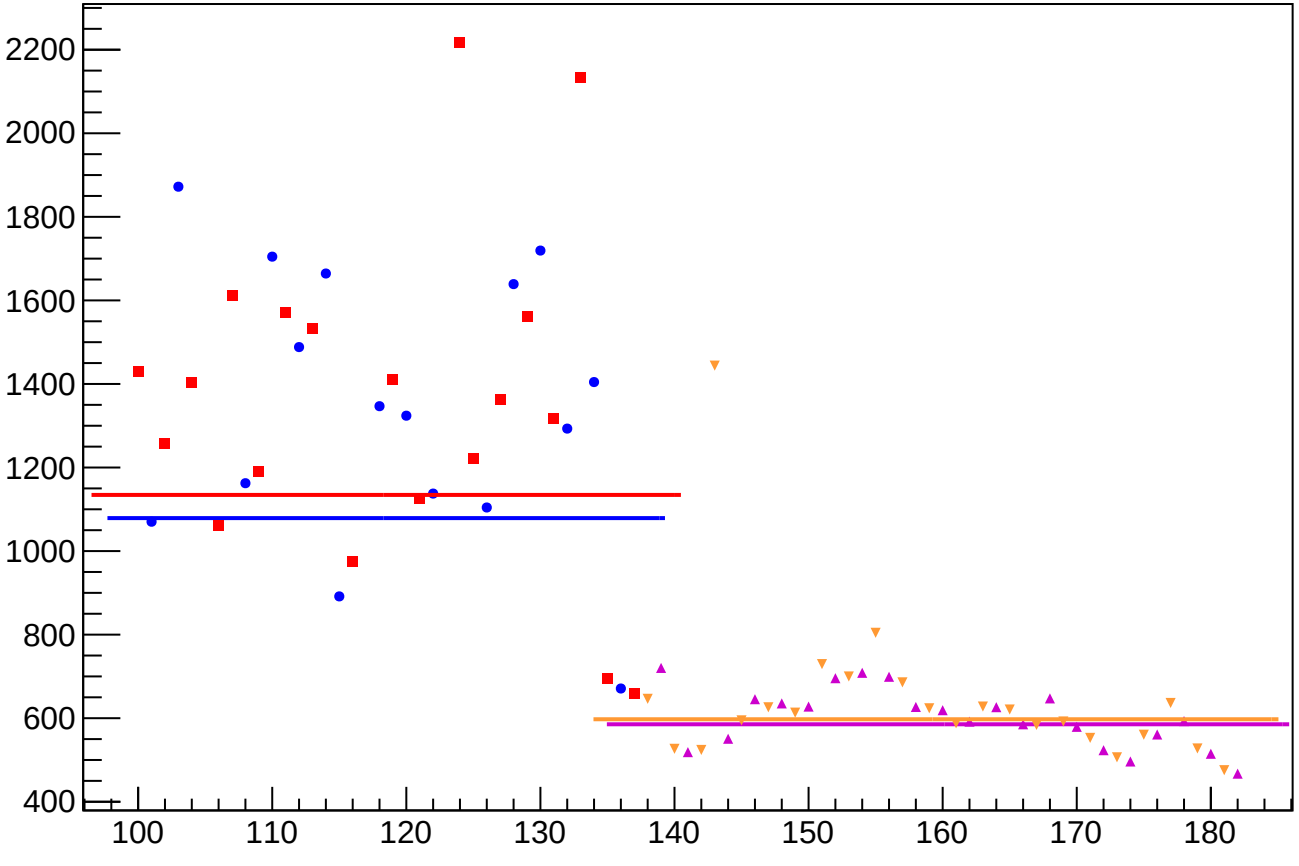
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -57.131+/-132.223 χ^2/NDF:44.7/37

Out: 451.990+/-135.196 χ^2/NDF:89.7/41

All: 191.769+/-94.529 χ^2/NDF: 141.6/79

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: 597.480+/-0.100 χ^2/NDF:1066475.2/22

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.442+/-0.098 χ^2/NDF:517584.9/21

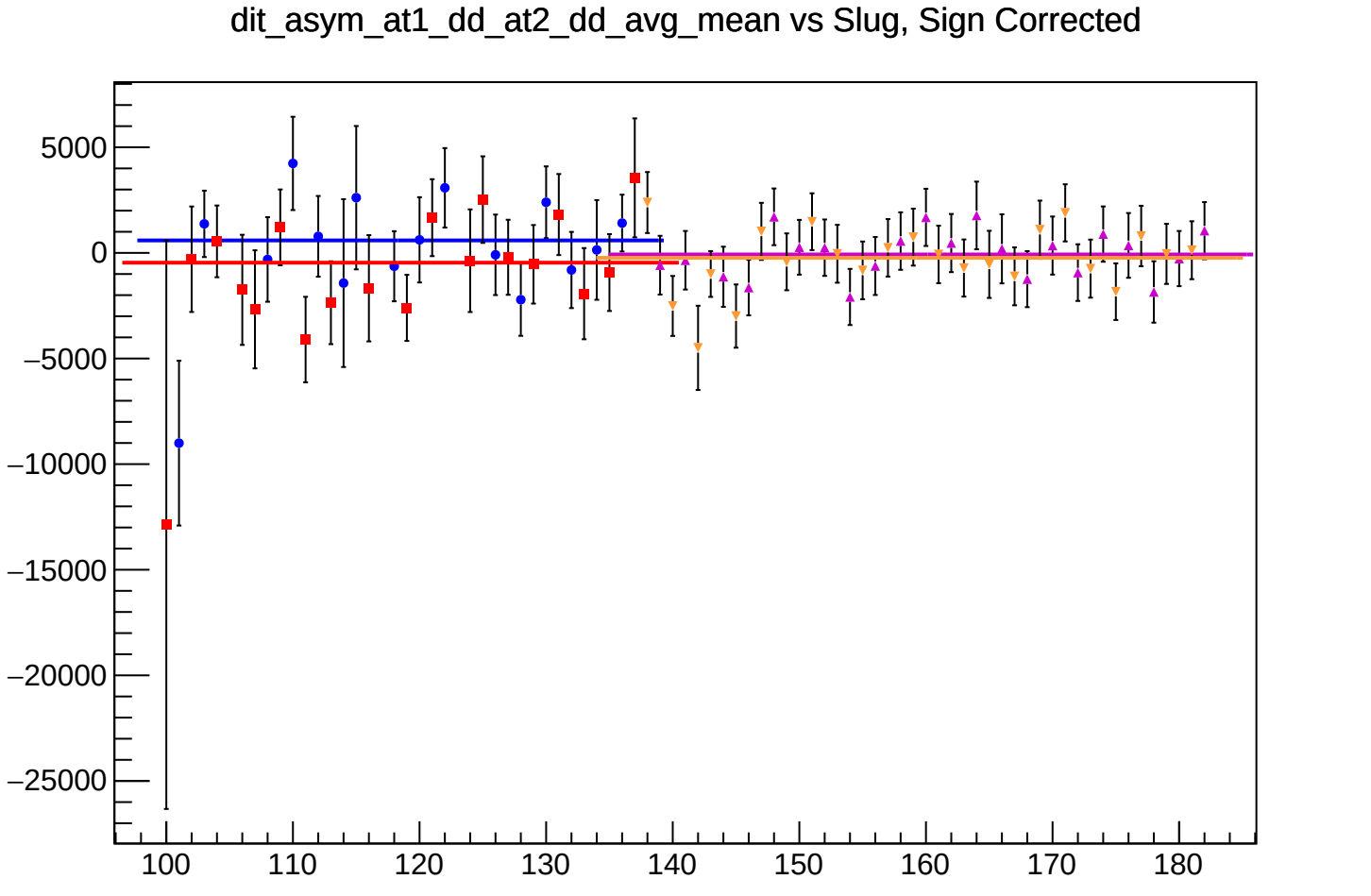
Left: 591.335+/-0.070 χ^2/NDF: 1591392.5/44

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 633.059+/-0.093 χ^2/NDF:4425108.5/37

Out: 648.000+/-0.096 χ^2/NDF:5044311.2/41

All: 640.363+/-0.067 χ^2/NDF: 9481903.7/79



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -233.091+/-288.376 χ^2/NDF:23.8/22

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -73.636+/-294.072 χ^2/NDF:14.0/21

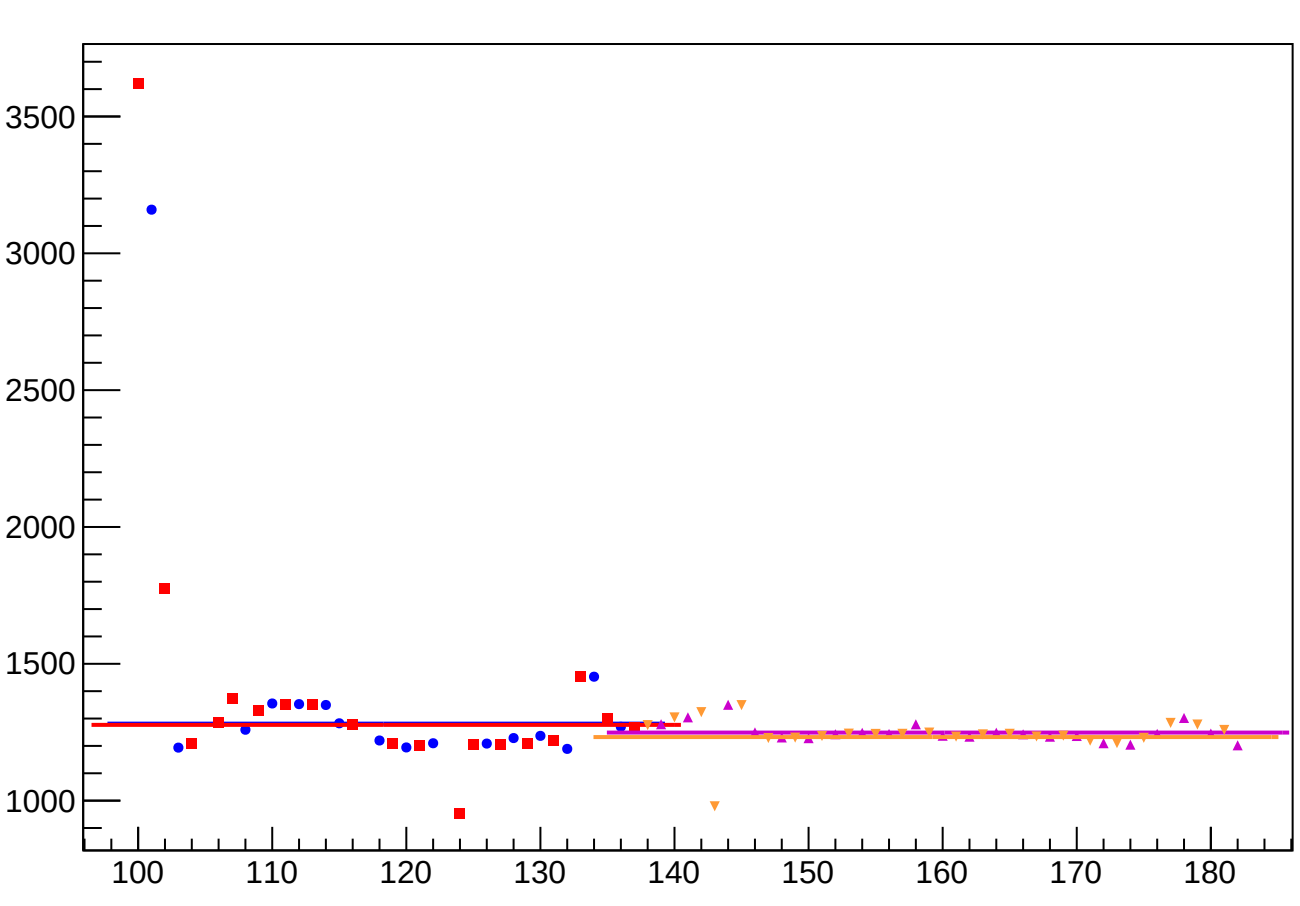
Left: -154.923+/-205.897 χ^2/NDF: 38.0/44

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 104.586+/-251.527 χ^2/NDF:32.5/37

Out: -294.563+/-246.754 χ^2/NDF:40.7/41

All: -98.811+/-176.145 χ^2/NDF: 74.5/79



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1232.274+/-0.204 χ^2/NDF:139412.3/22

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1248.730+/-0.208 χ^2/NDF:26173.3/21

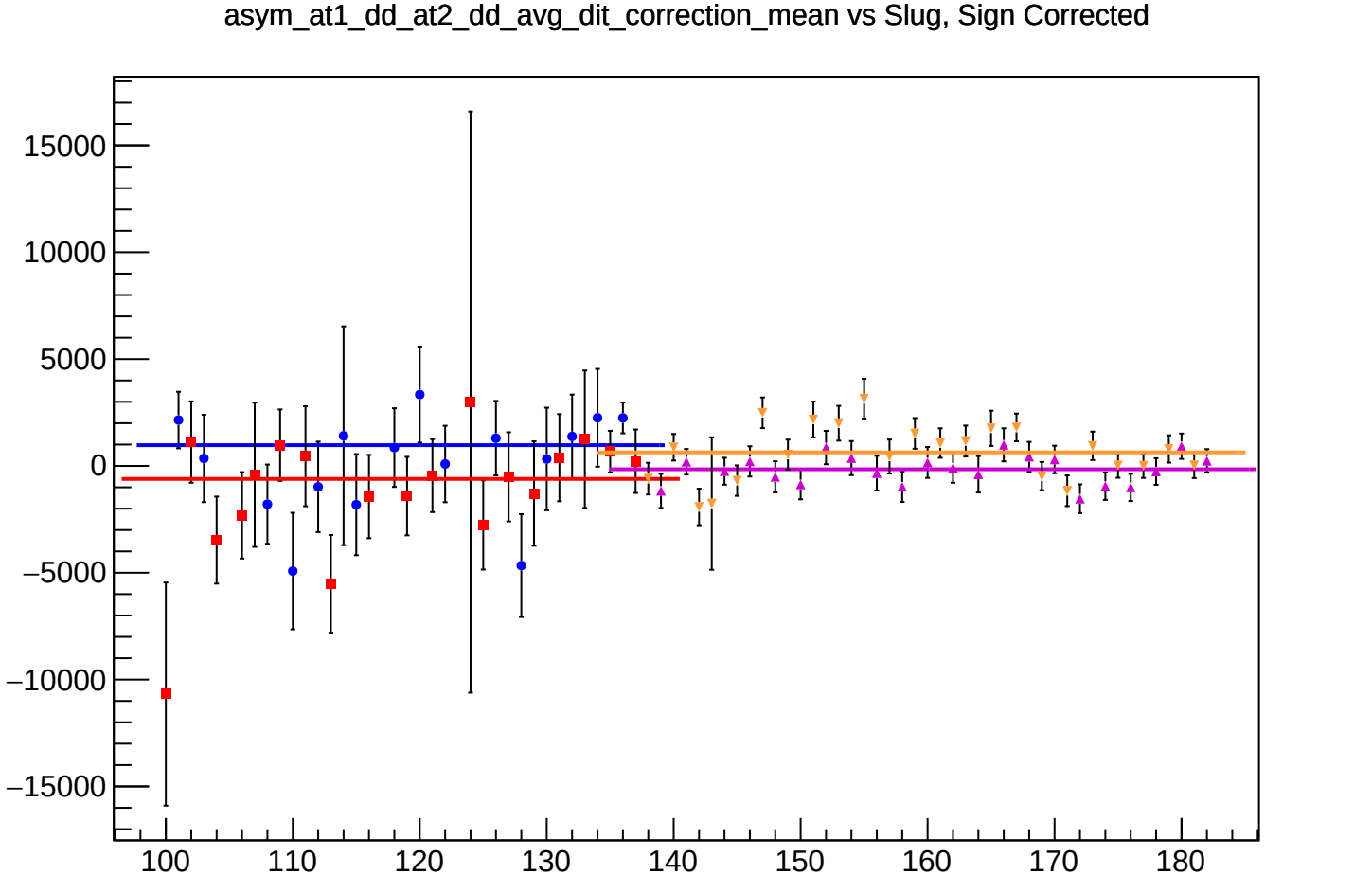
Left: 1240.342+/-0.146 χ^2/NDF: 168778.3/44

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

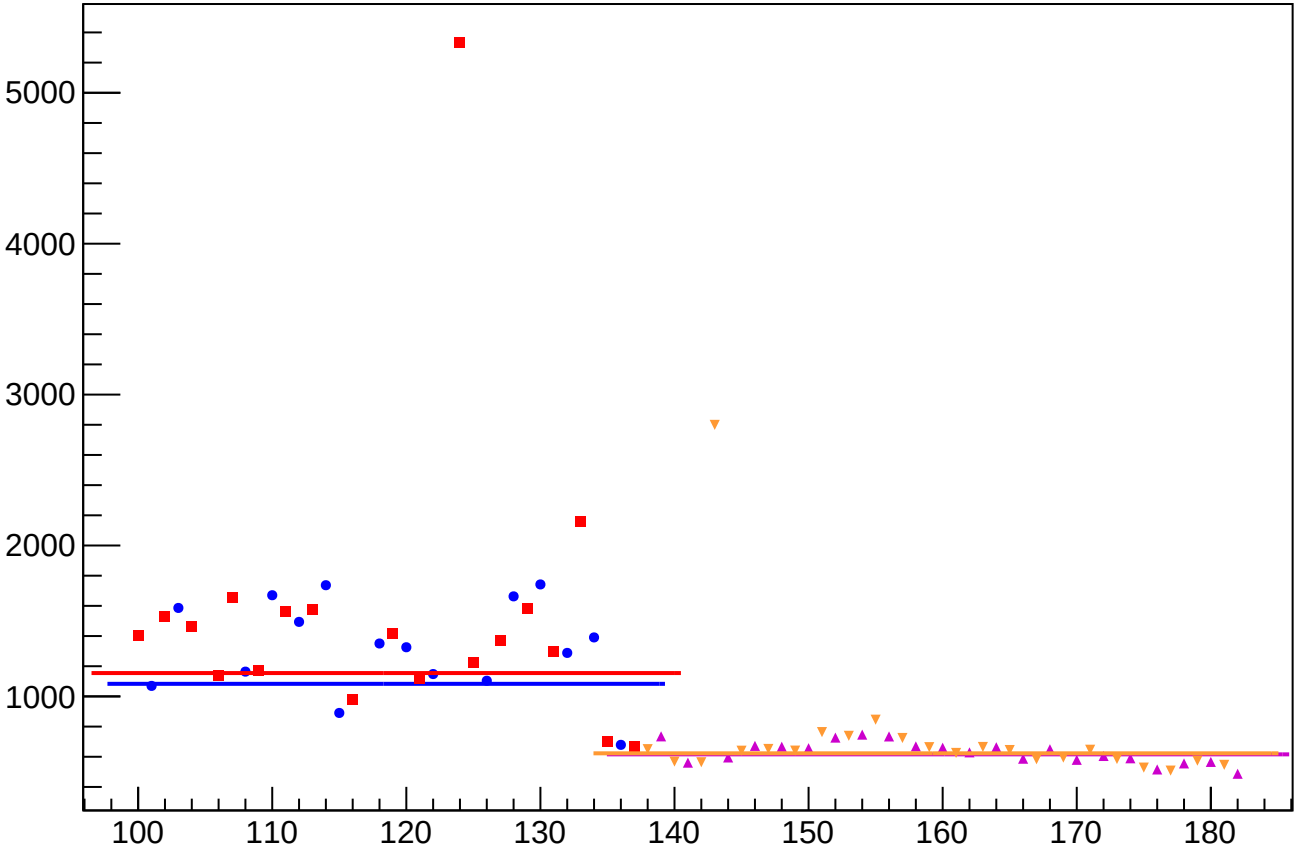
In: 1257.491+/-0.178 χ^2/NDF:539864.7/37

Out: 1244.216+/-0.174 χ^2/NDF:372730.7/41

All: 1250.727+/-0.125 χ^2/NDF: 915434.4/79


asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 972.287+/-425.219 χ²/NDF: 20.4/15
Left Out: 632.798+/-148.843 χ²/NDF:56.4/22
Right Out: -608.431+/-447.734 χ²/NDF: 17.1/18
Left In: -156.189+/-146.189 χ²/NDF:22.0/21
Left: 231.209+/-104.297 χ²/NDF: 92.7/44
Right: 222.671+/-308.328 χ²/NDF: 44.1/34
In: -36.905+/-138.247 χ²/NDF:48.7/37
Out: 509.276+/-141.243 χ²/NDF:80.4/41
All: 230.332+/-98.798 χ²/NDF: 136.8/79

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: 622.823+/-0.105 χ^2/NDF:1478157.2/22

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 615.957+/-0.103 χ^2/NDF:464038.0/21

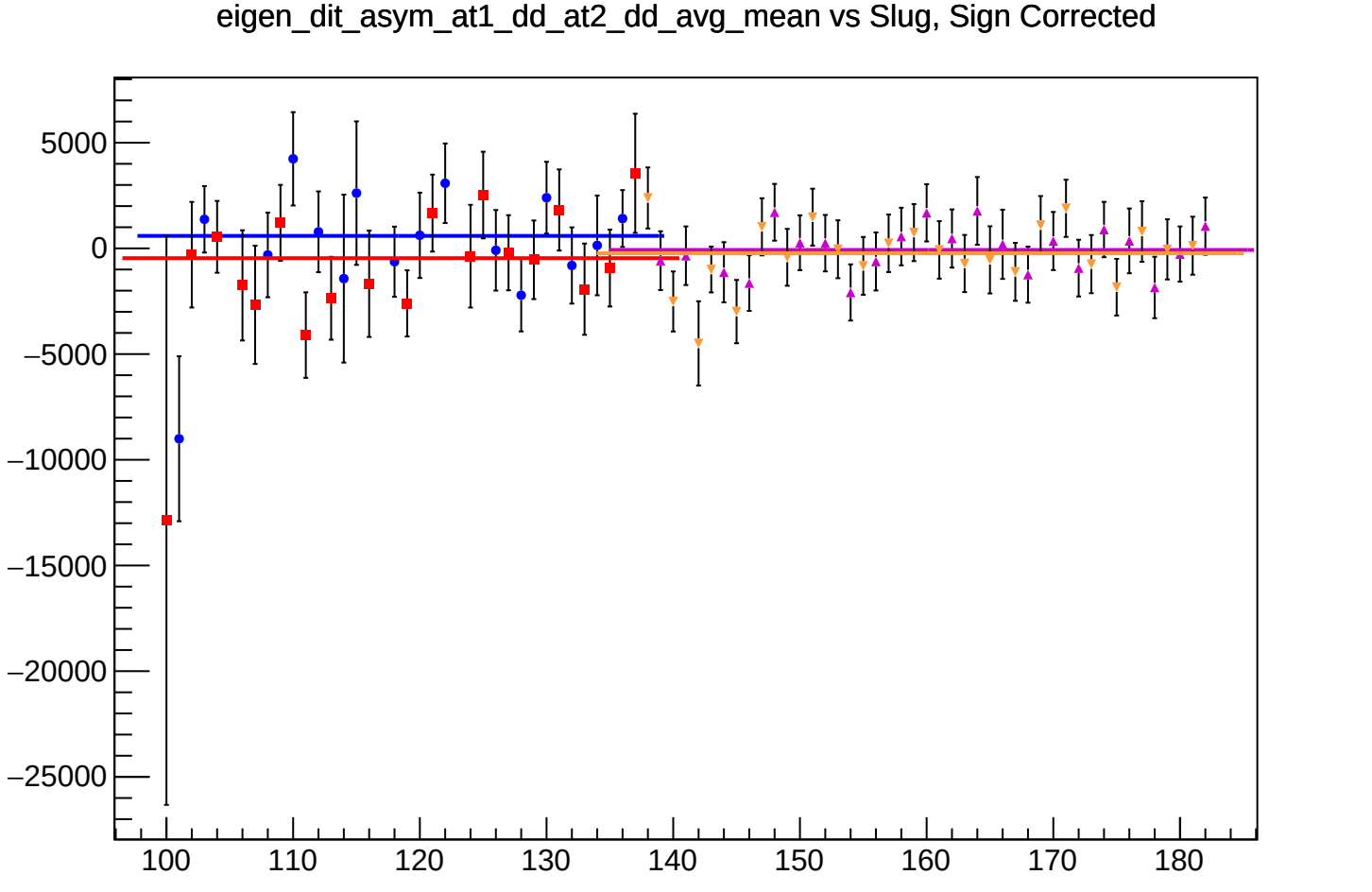
Left: 619.328+/-0.074 χ^2/NDF: 1944361.4/44

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 665.361+/-0.098 χ^2/NDF:3985029.8/37

Out: 675.756+/-0.100 χ^2/NDF:5508182.4/41

All: 670.447+/-0.070 χ^2/NDF: 9498744.9/79



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -233.093+/-288.376 χ^2/NDF:23.8/22

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -73.635+/-294.072 χ^2/NDF:14.0/21

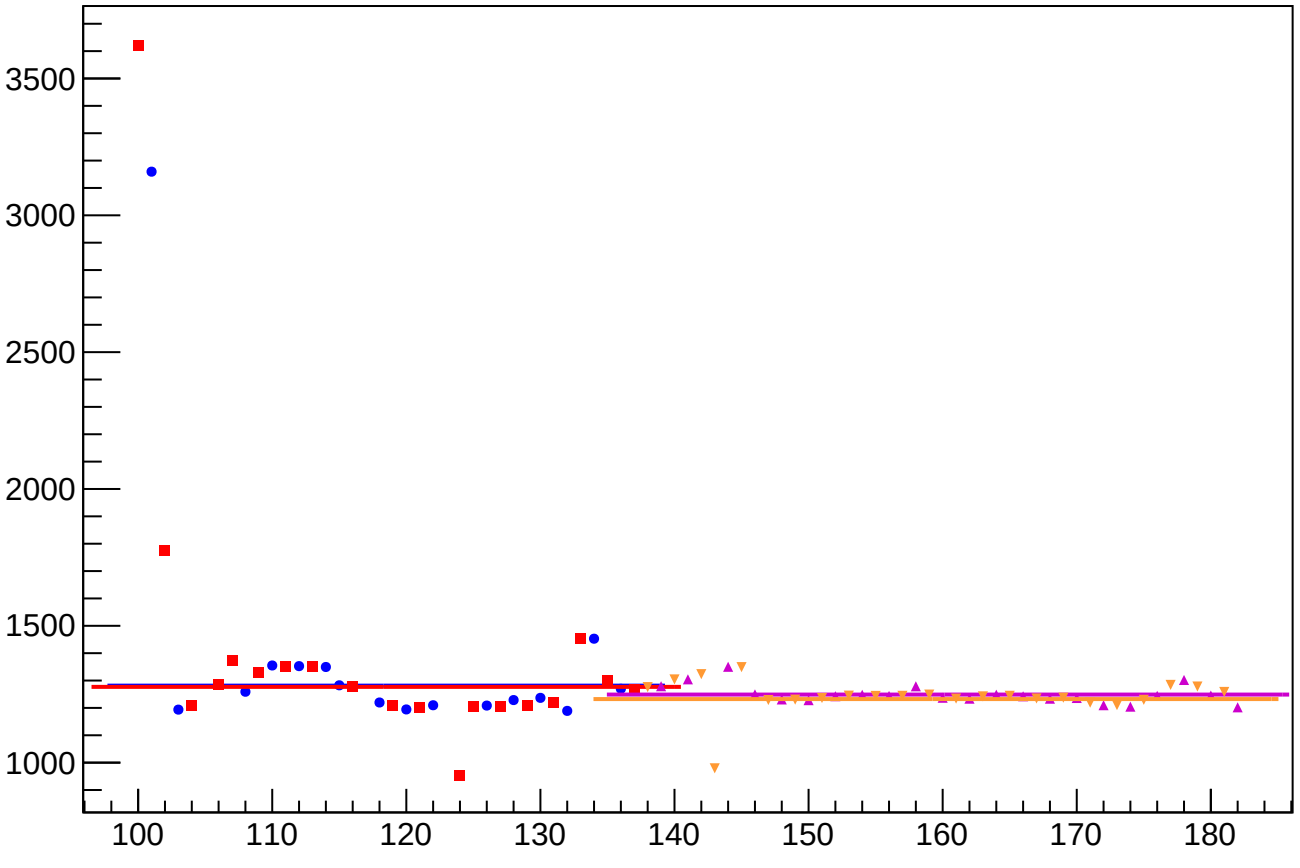
Left: -154.924+/-205.897 χ^2/NDF: 38.0/44

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 104.587+/-251.527 χ^2/NDF:32.5/37

Out: -294.564+/-246.754 χ^2/NDF:40.7/41

All: -98.811+/-176.145 χ^2/NDF: 74.5/79



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1232.274+/-0.204 χ^2/NDF:139411.4/22

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1248.730+/-0.208 χ^2/NDF:26173.2/21

Left: 1240.341+/-0.146 χ^2/NDF: 168777.2/44

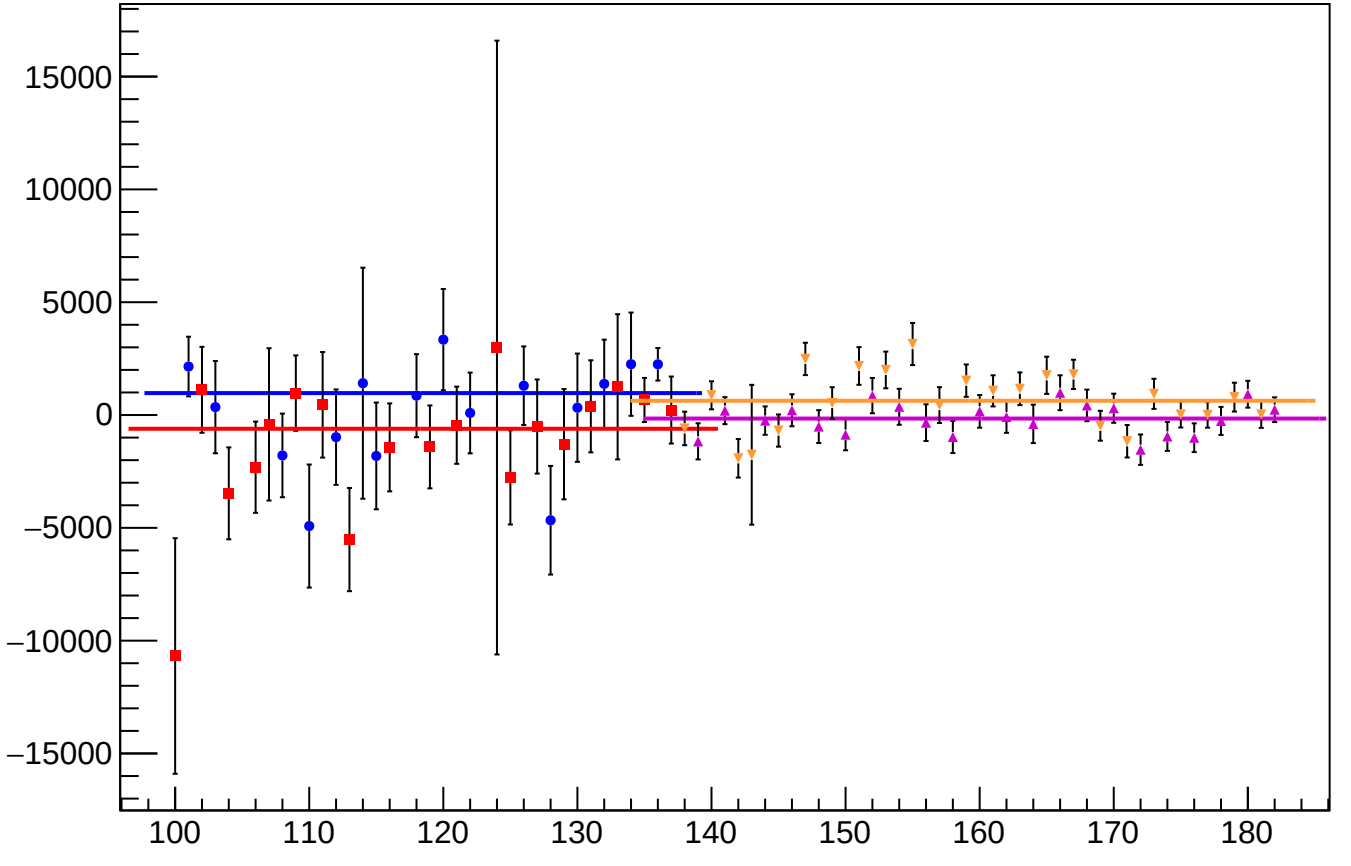
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1257.491+/-0.178 χ^2/NDF:539864.8/37

Out: 1244.216+/-0.174 χ^2/NDF:372729.6/41

All: 1250.726+/-0.125 χ^2/NDF: 915433.4/79

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 632.797+/-148.843 χ^2/NDF:56.4/22

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -156.188+/-146.189 χ^2/NDF:22.0/21

Left: 231.209+/-104.297 χ^2/NDF: 92.7/44

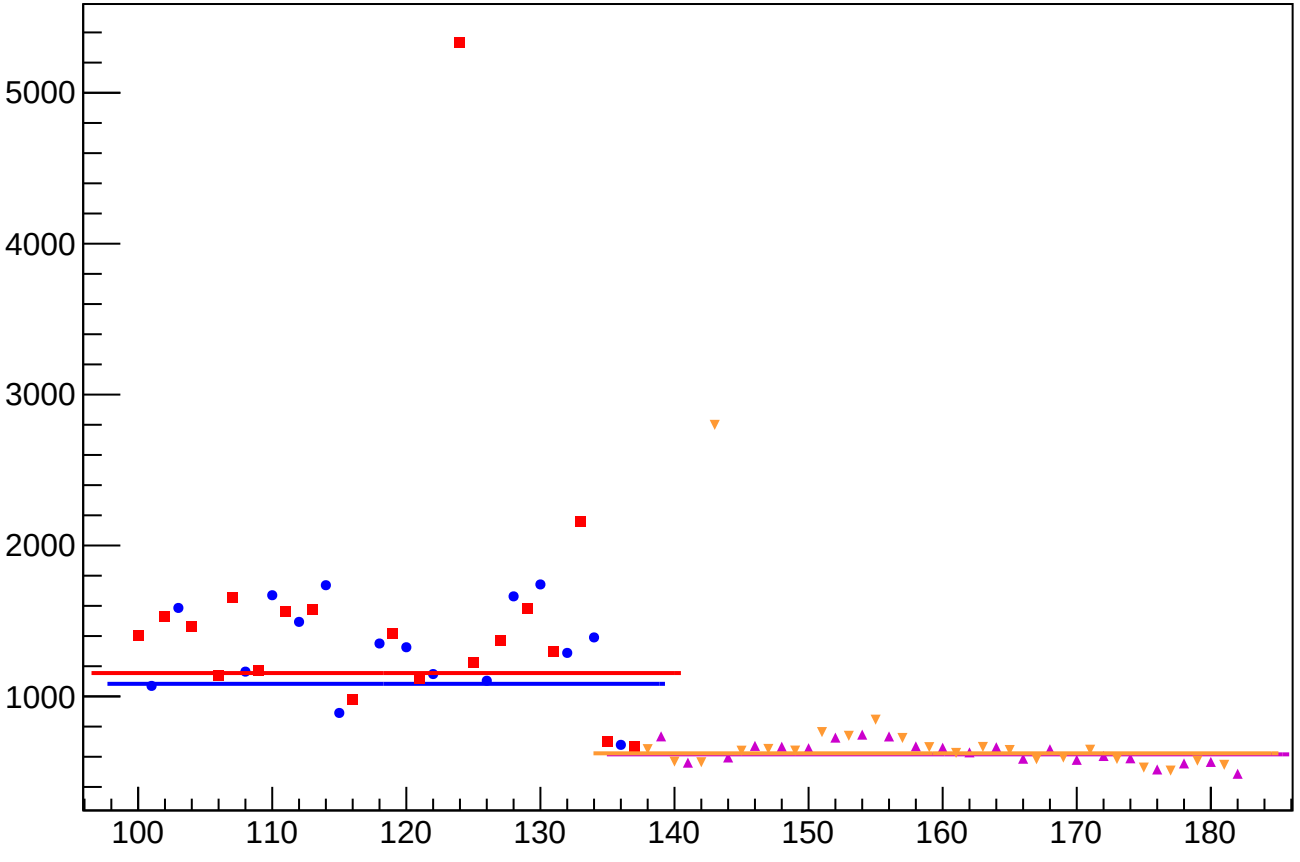
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: -36.906+/-138.247 χ^2/NDF:48.7/37

Out: 509.276+/-141.243 χ^2/NDF:80.4/41

All: 230.332+/-98.797 χ^2/NDF: 136.8/79

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: 622.823+/-0.105 χ^2/NDF:1478156.7/22

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 615.957+/-0.103 χ^2/NDF:464041.0/21

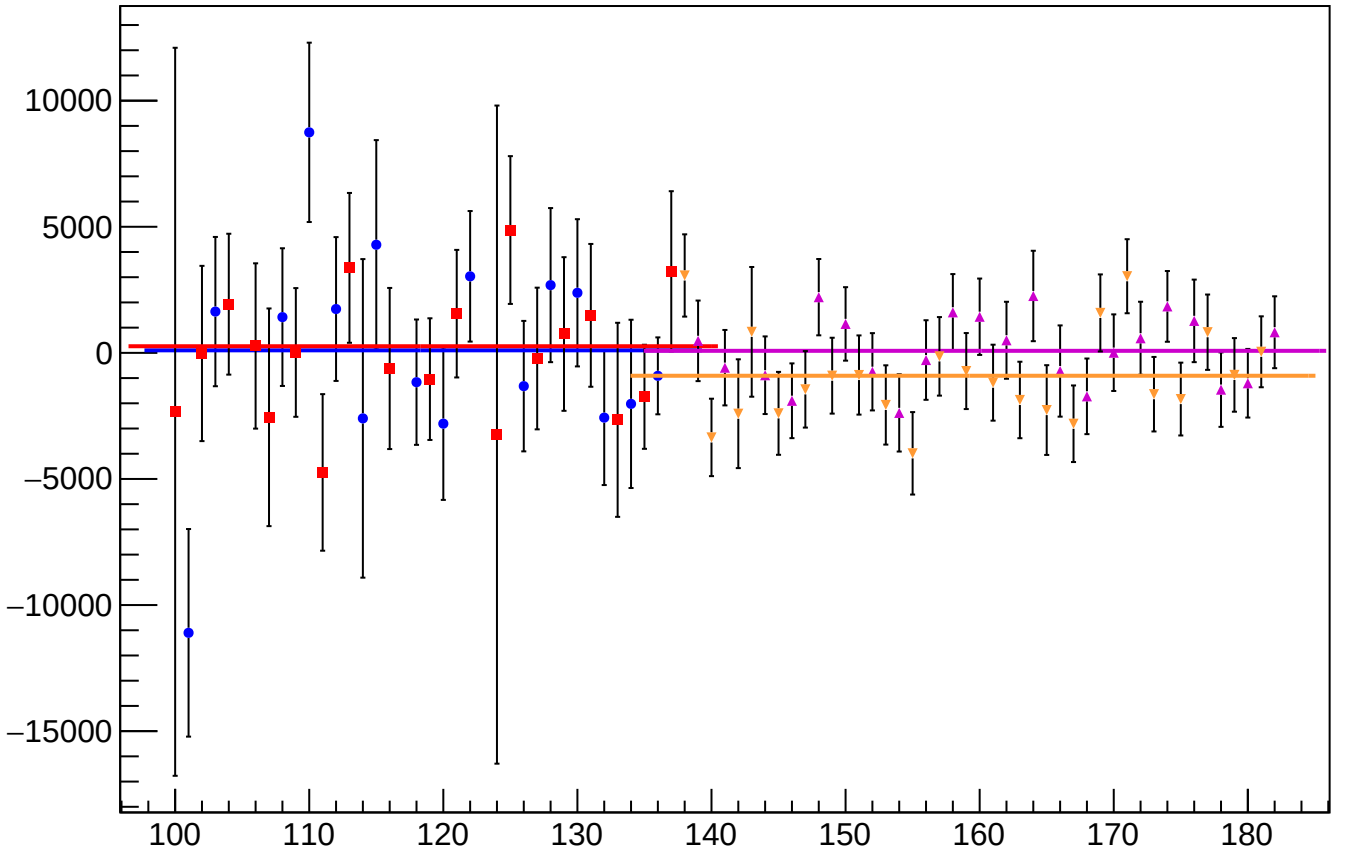
Left: 619.328+/-0.074 χ^2/NDF: 1944364.1/44

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 665.360+/-0.098 χ^2/NDF:3985027.3/37

Out: 675.756+/-0.100 χ^2/NDF:5508182.6/41

All: 670.446+/-0.070 χ^2/NDF: 9498743.0/79



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -907.432+/-327.414 χ^2/NDF:29.6/22

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 80.747+/-324.051 χ^2/NDF:17.4/21

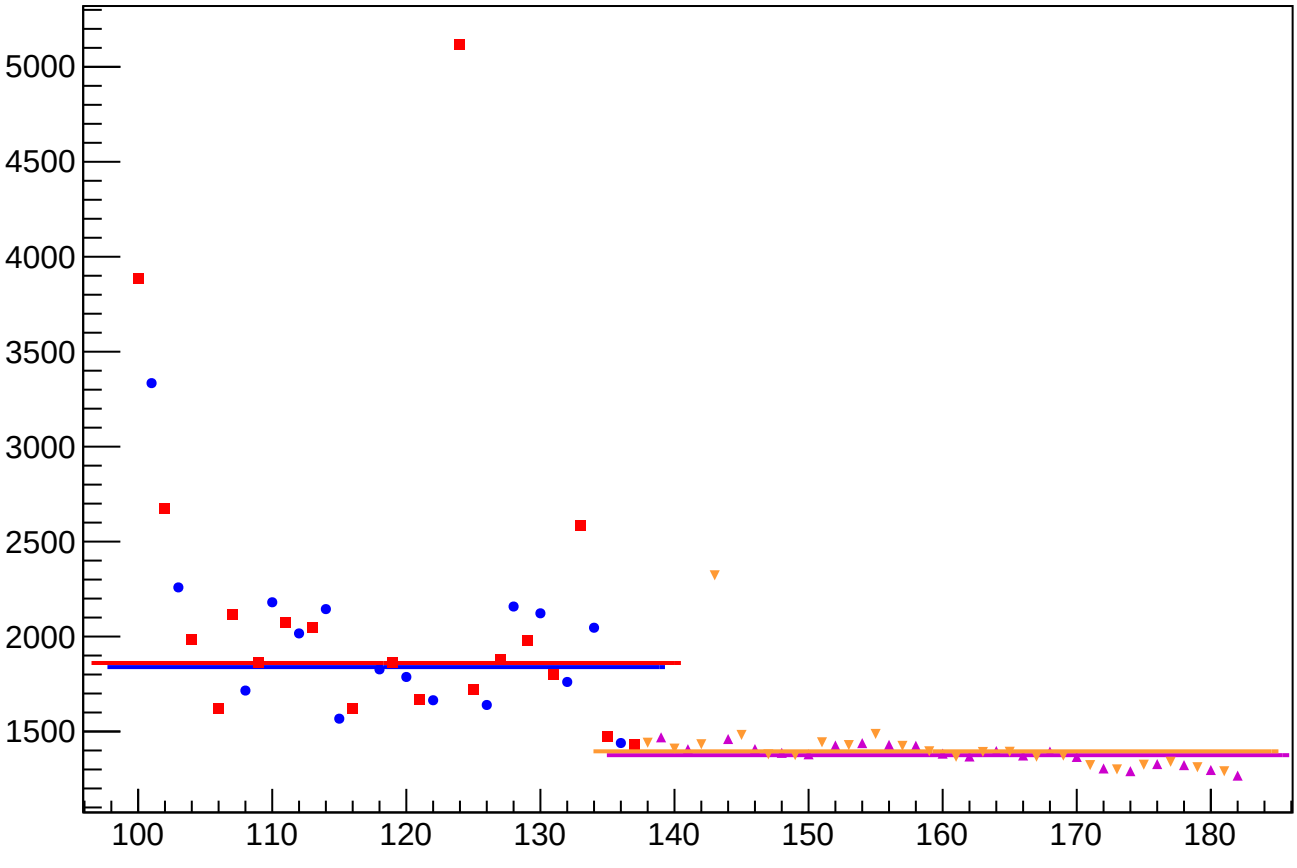
Left: -408.241+/-230.318 χ^2/NDF: 51.6/44

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 84.233+/-293.993 χ^2/NDF:38.6/37

Out: -697.247+/-296.554 χ^2/NDF:42.3/41

All: -303.118+/-208.784 χ^2/NDF: 84.4/79



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1395.593+/-0.232 χ^2/NDF:318108.5/22

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1375.341+/-0.229 χ^2/NDF:59984.1/21

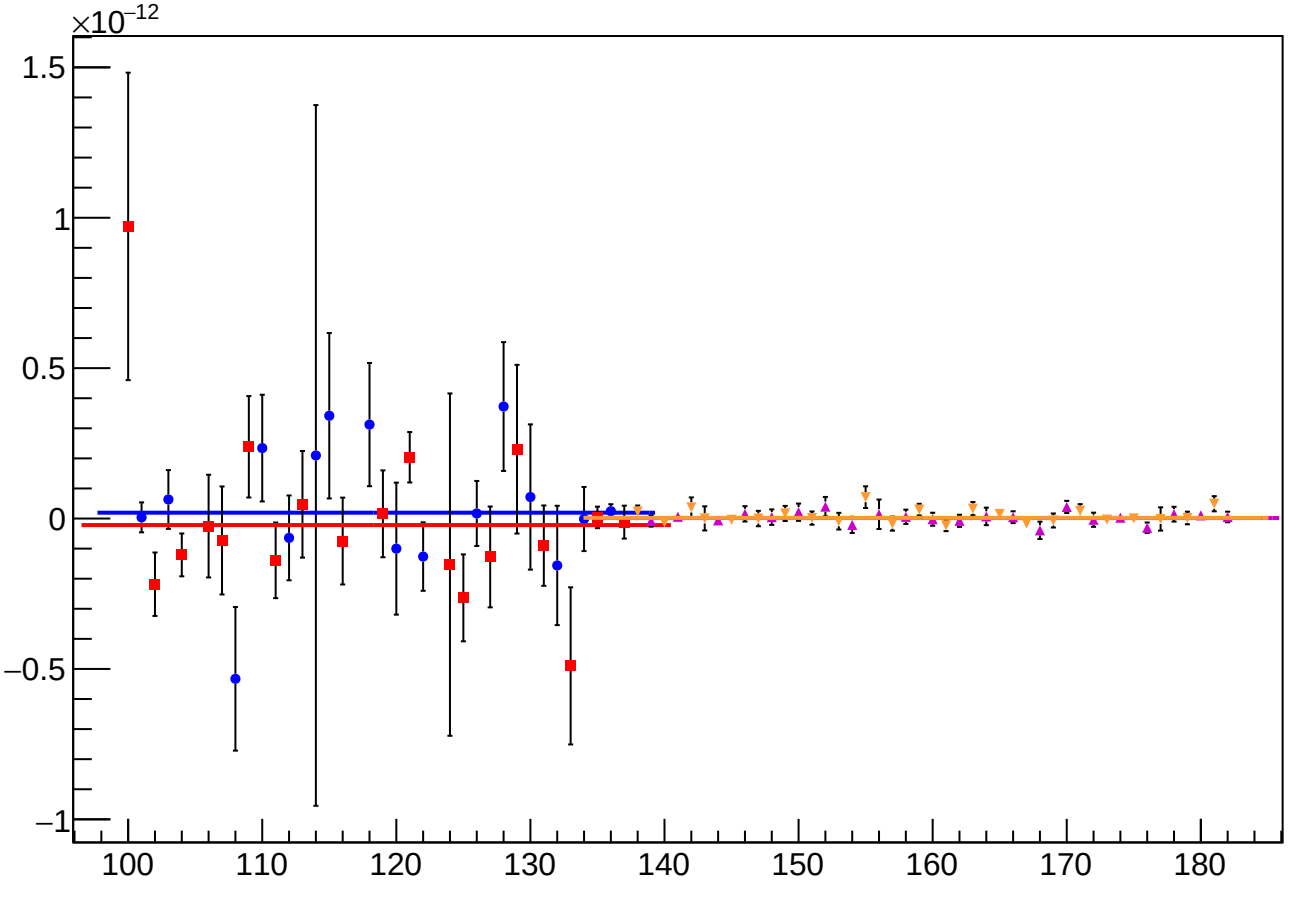
Left: 1385.362+/-0.163 χ^2/NDF: 381957.8/44

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1457.385+/-0.208 χ^2/NDF:1341406.9/37

Out: 1479.146+/-0.210 χ^2/NDF:1565336.8/41

All: 1468.172+/-0.148 χ^2/NDF: 2912175.0/79



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.2/22

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/21

Left: 0.000+/-0.000 χ^2/NDF: 35.7/44

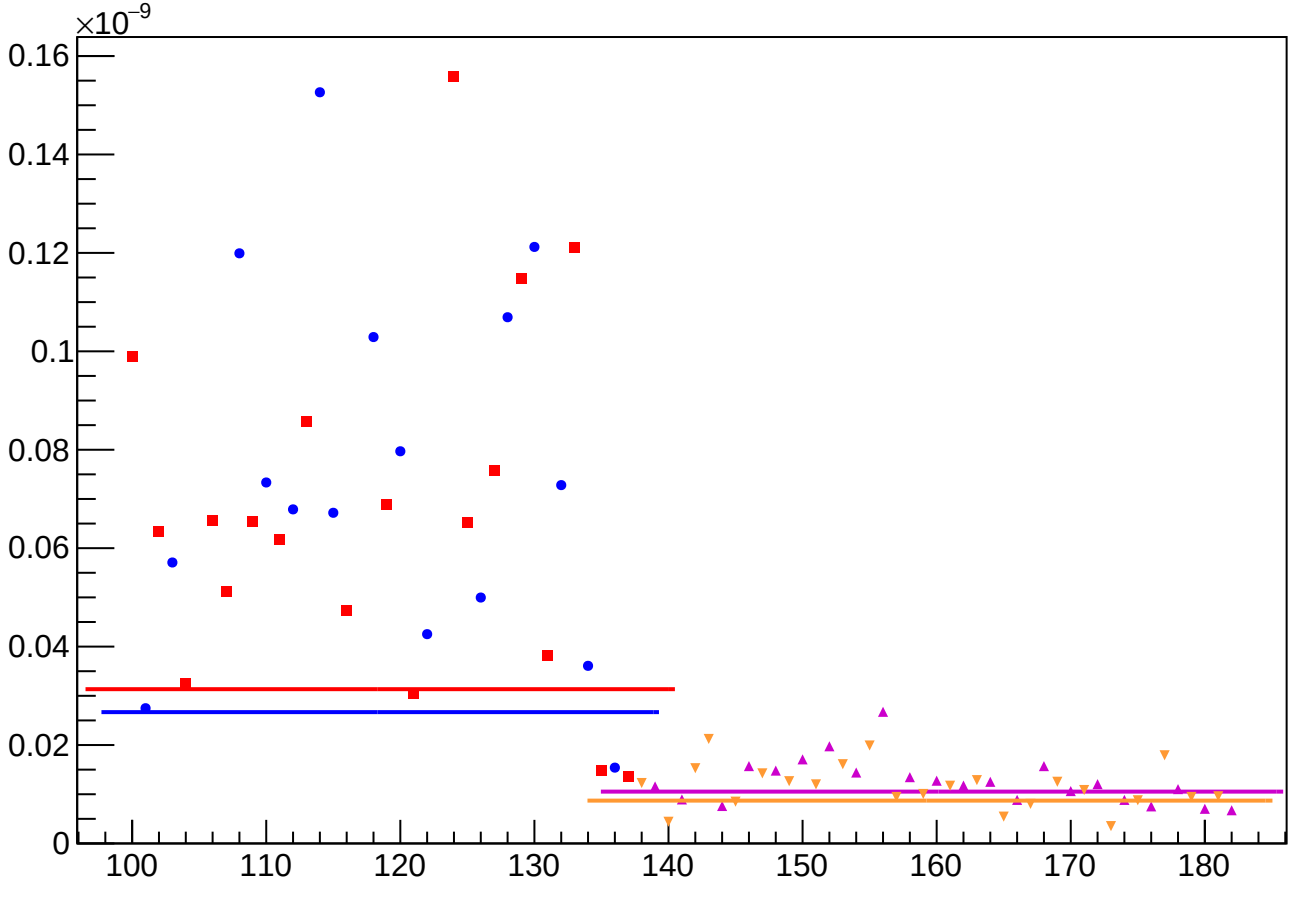
Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.8/37

Out: 0.000+/-0.000 χ^2/NDF:51.5/41

All: 0.000+/-0.000 χ^2/NDF: 82.4/79

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2119432.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1232028.7/21

Left: 0.000+/-0.000 χ^2/NDF: 3544500.4/44

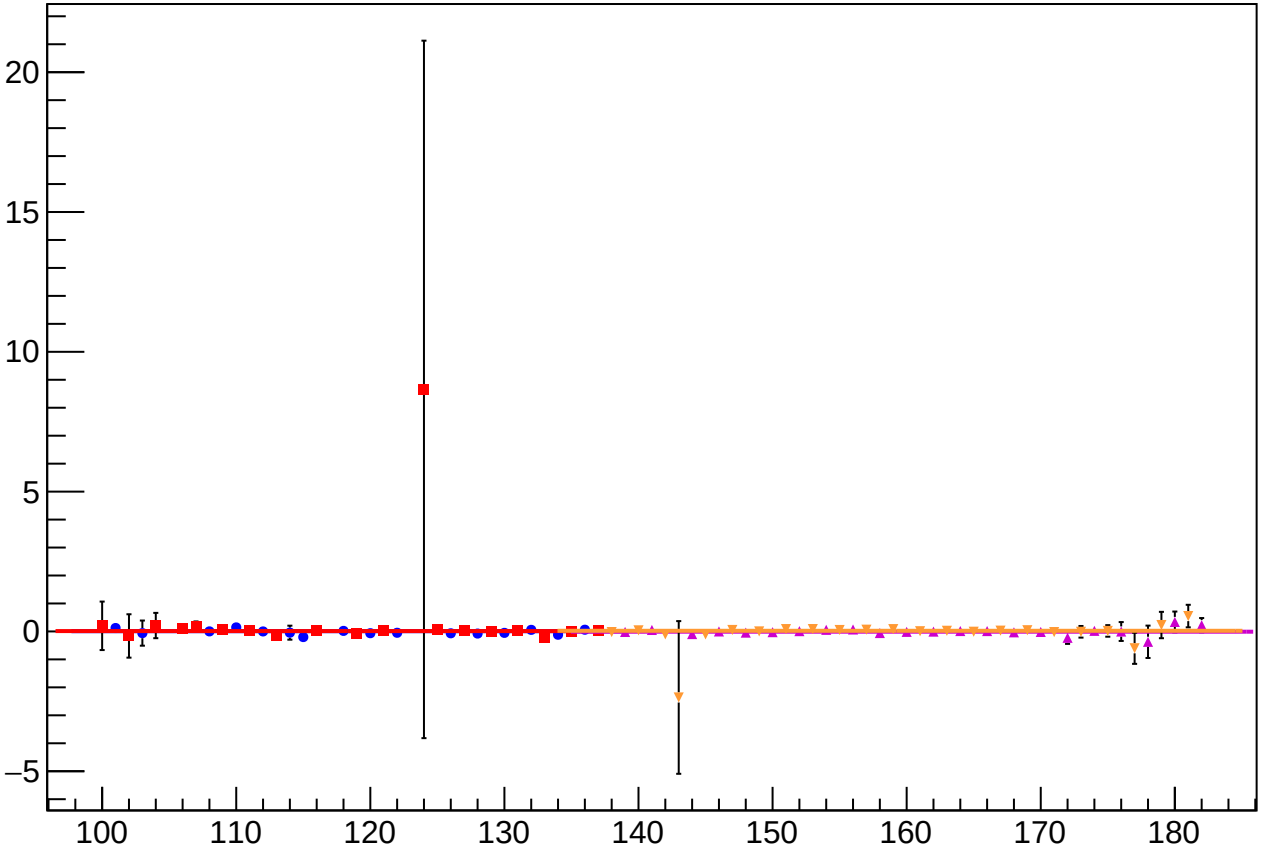
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:5211262.5/37

Out: 0.000+/-0.000 χ^2/NDF:6395972.4/41

All: 0.000+/-0.000 χ^2/NDF: 11846998.7/79

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:14.0/21

Left: 0.006+/-0.007 χ^2/NDF: 40.6/44

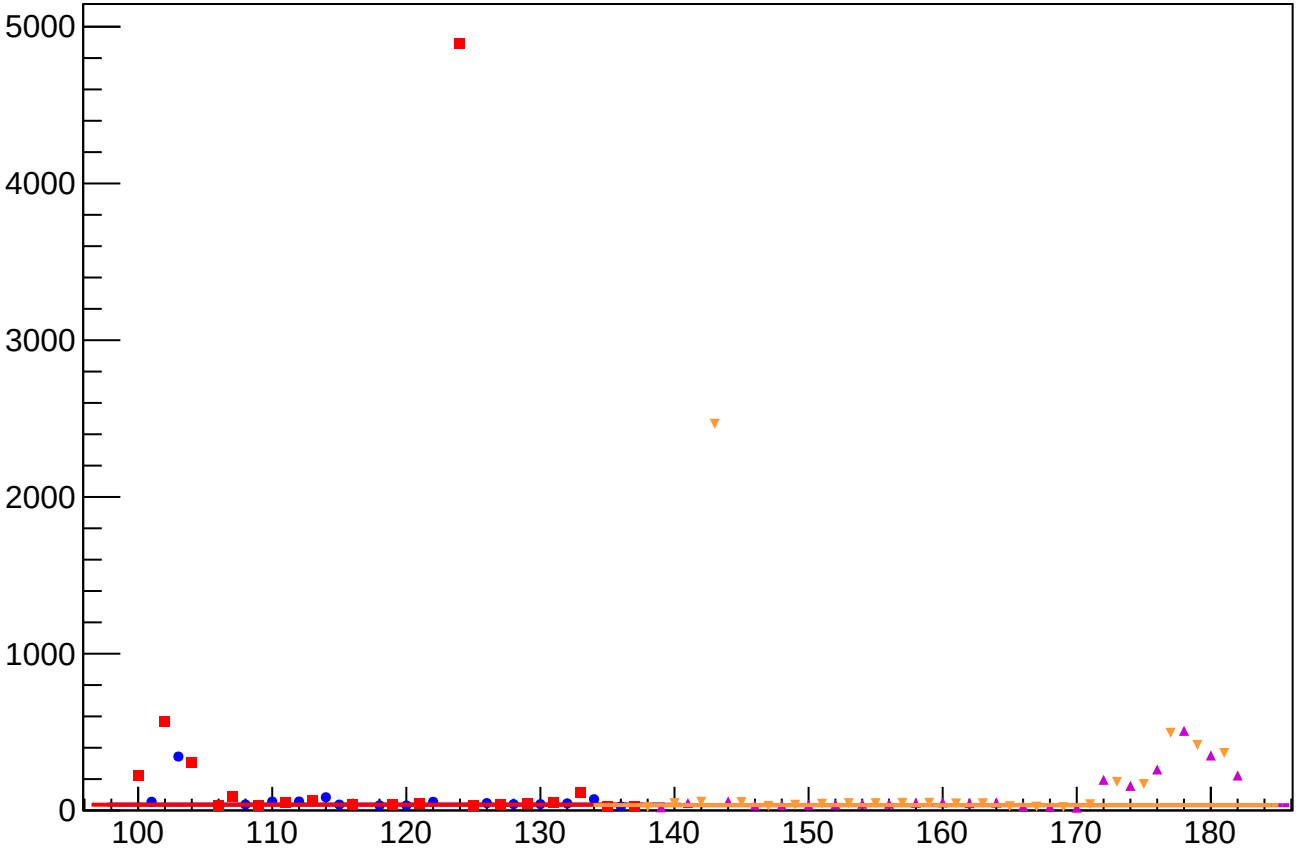
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:34.2/37

Out: 0.020+/-0.009 χ^2/NDF:34.1/41

All: 0.007+/-0.006 χ^2/NDF: 72.5/79

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: 34.216+/-0.007 χ^2/NDF:9907186.8/22

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.475+/-0.007 χ^2/NDF:9651312.5/21

Left: 33.835+/-0.005 χ^2/NDF: 19563894.6/44

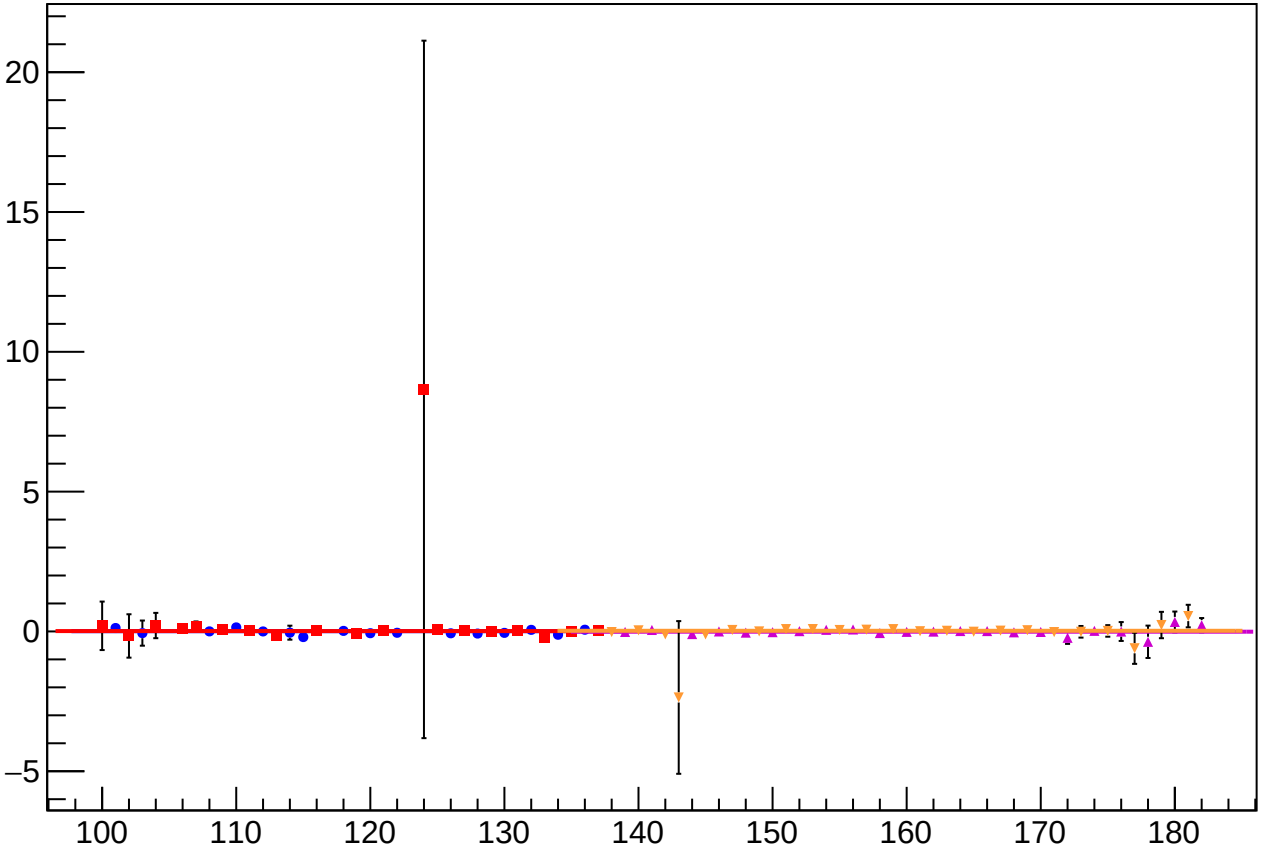
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.587+/-0.006 χ^2/NDF:11724984.5/37

Out: 34.915+/-0.006 χ^2/NDF:13132100.8/41

All: 34.747+/-0.004 χ^2/NDF: 24858550.2/79

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:14.0/21

Left: 0.006+/-0.007 χ^2/NDF: 40.6/44

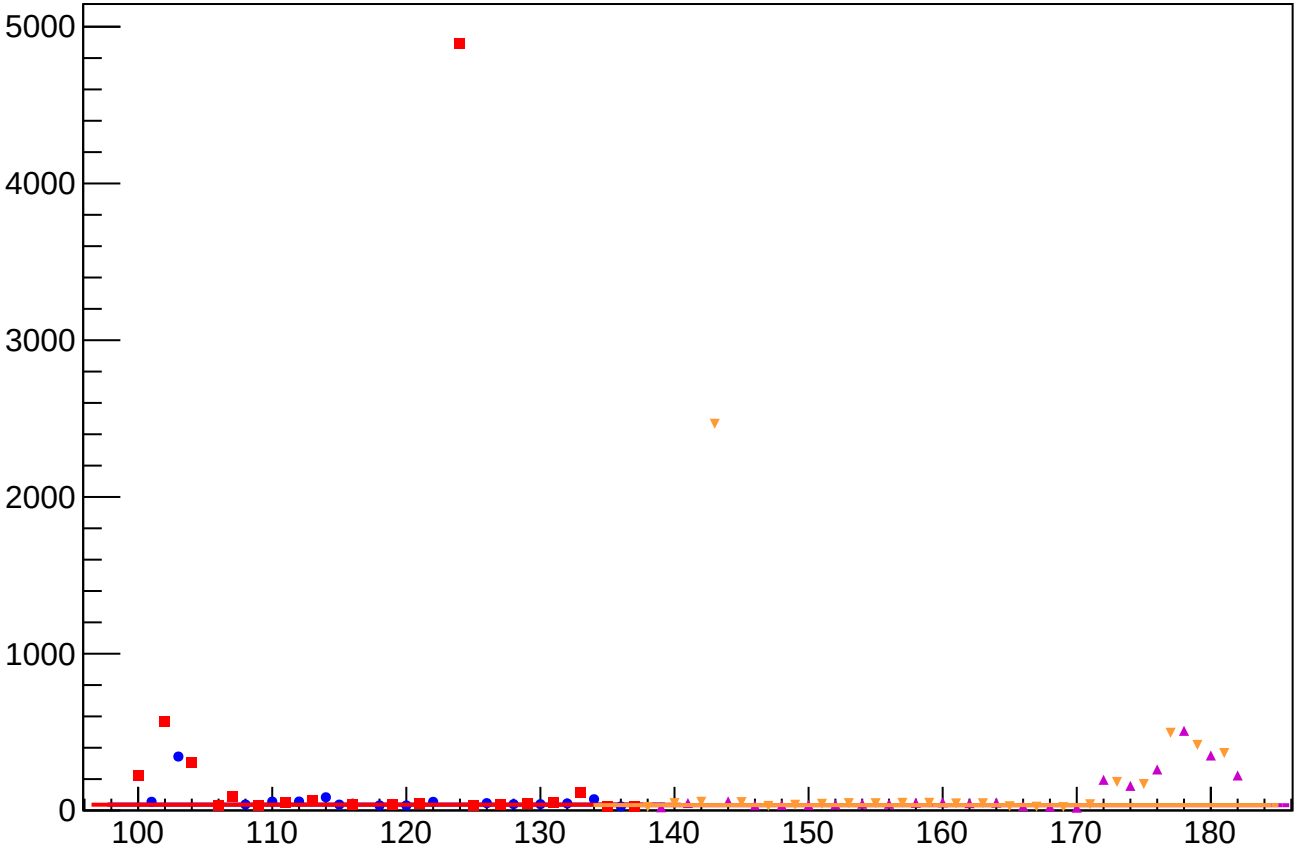
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:34.2/37

Out: 0.020+/-0.009 χ^2/NDF:34.1/41

All: 0.007+/-0.006 χ^2/NDF: 72.5/79

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: 34.216+/-0.007 χ^2/NDF:9907186.8/22

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.475+/-0.007 χ^2/NDF:9651312.5/21

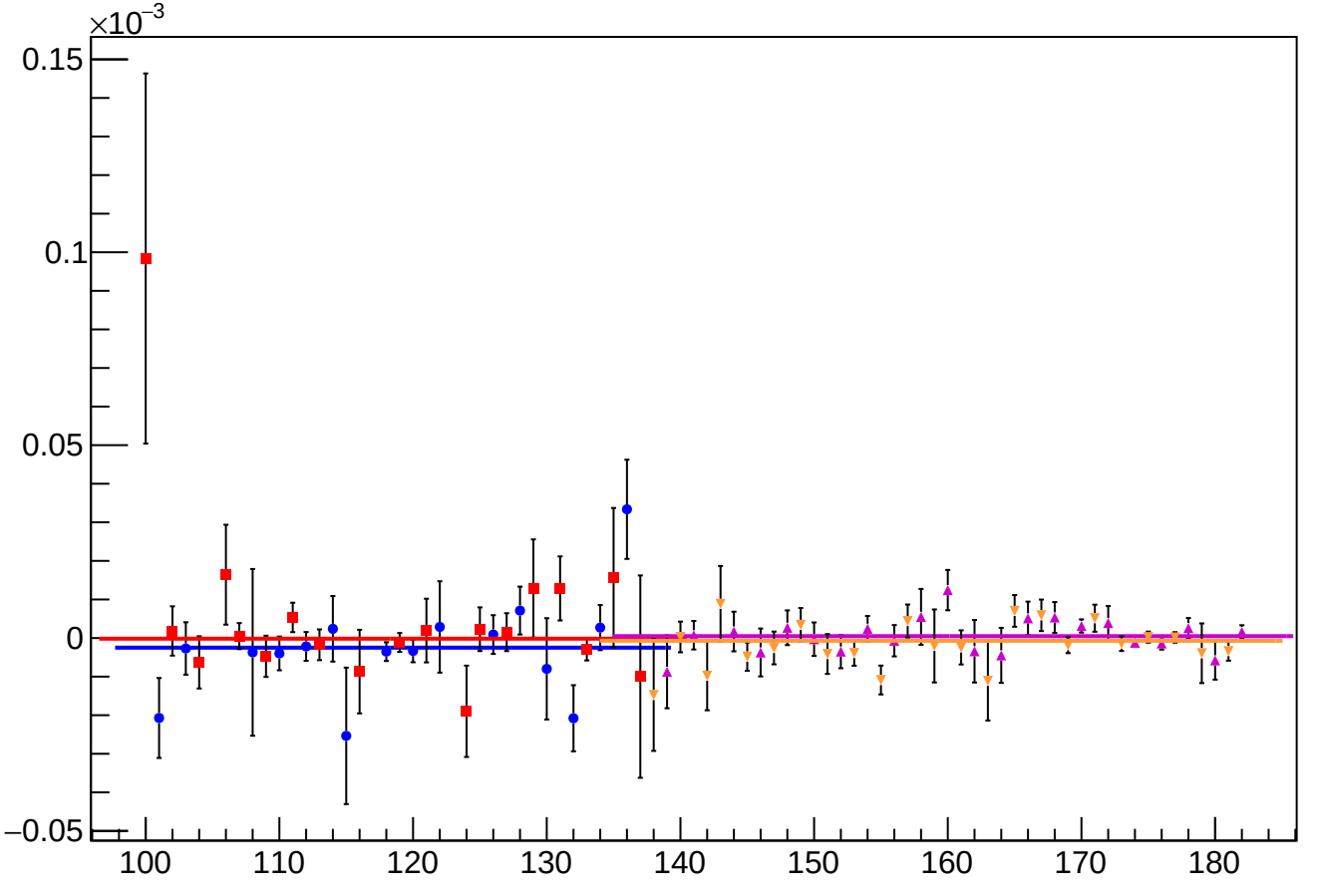
Left: 33.835+/-0.005 χ^2/NDF: 19563894.6/44

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.587+/-0.006 χ^2/NDF:11724984.5/37

Out: 34.915+/-0.006 χ^2/NDF:13132100.8/41

All: 34.747+/-0.004 χ^2/NDF: 24858550.2/79



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:21.6/21

Left: -0.000+/-0.000 χ^2/NDF: 51.7/44

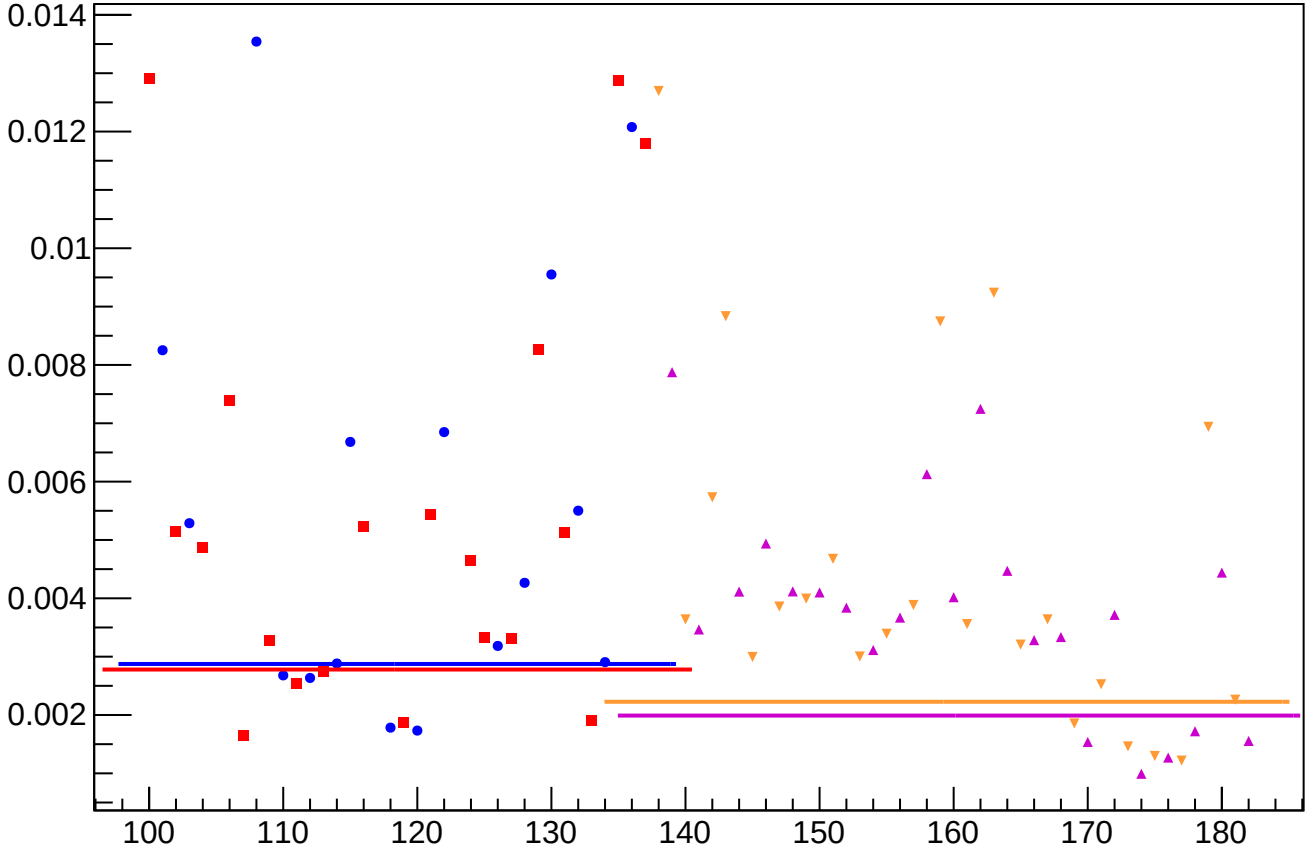
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:47.7/37

Out: -0.000+/-0.000 χ^2/NDF:47.3/41

All: -0.000+/-0.000 χ^2/NDF: 95.6/79

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:9759075.4/22

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:9384898.9/21

Left: 0.002+/-0.000 χ^2/NDF: 19292565.5/44

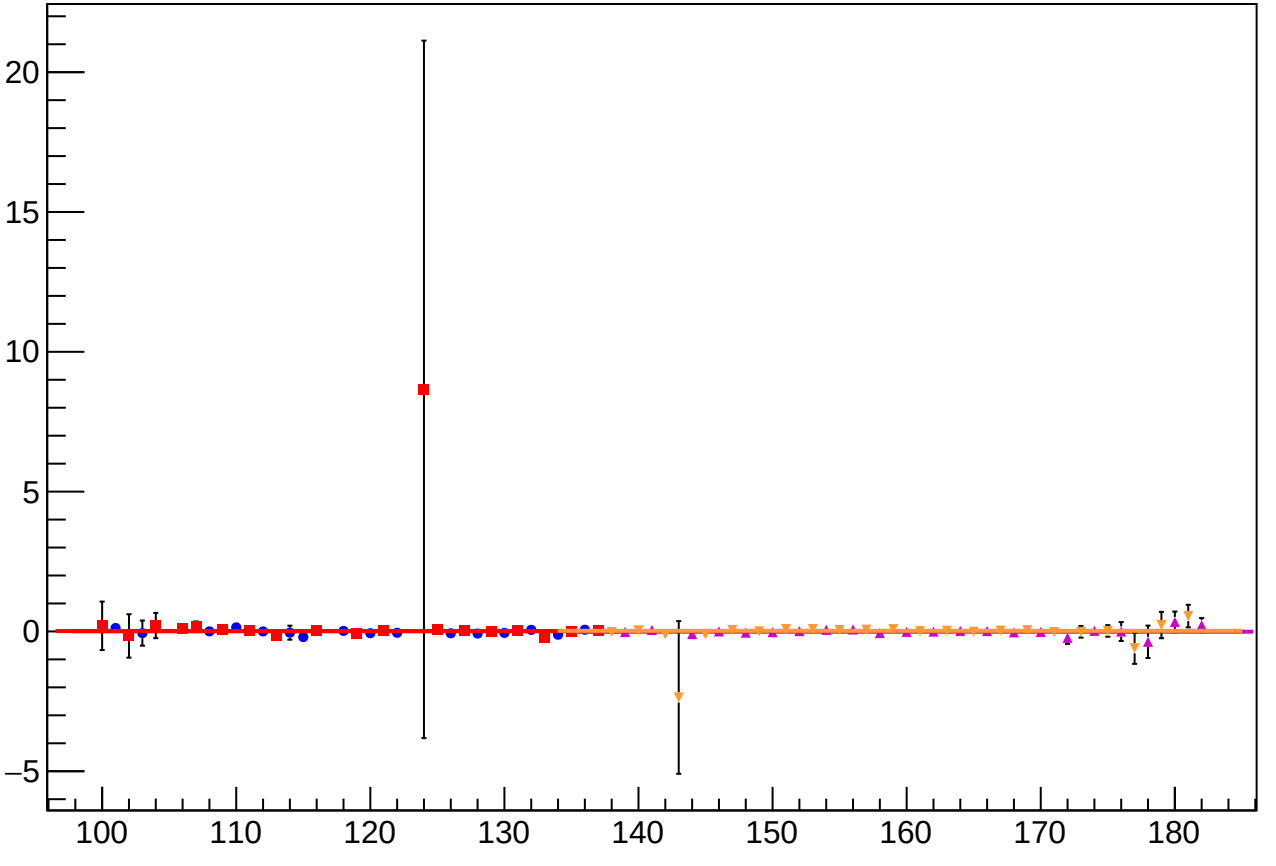
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:14297451.9/37

Out: 0.002+/-0.000 χ^2/NDF:13414637.1/41

All: 0.002+/-0.000 χ^2/NDF: 27856025.0/79

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:14.0/21

Left: 0.006+/-0.007 χ^2/NDF: 40.6/44

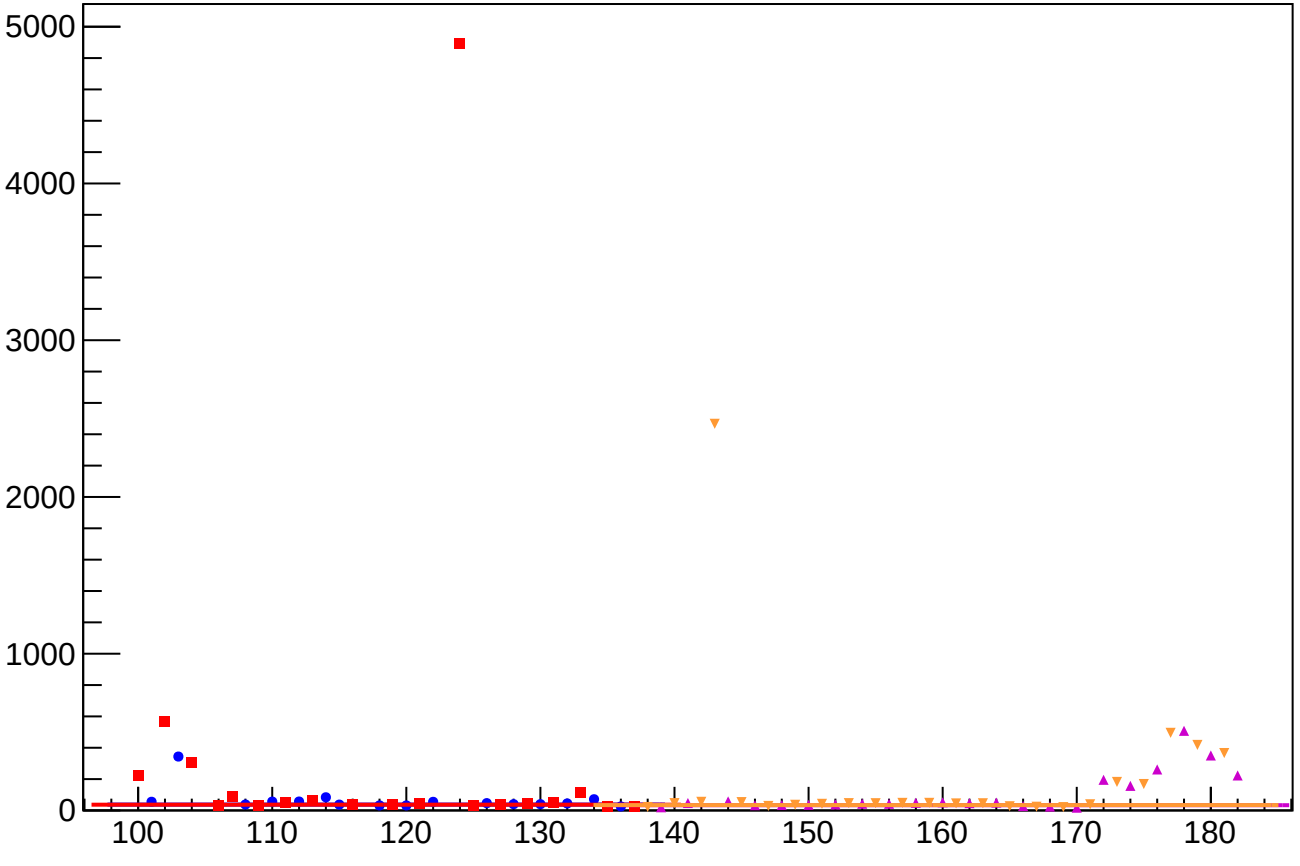
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:34.2/37

Out: 0.020+/-0.009 χ^2/NDF:34.1/41

All: 0.007+/-0.006 χ^2/NDF: 72.5/79

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: 34.215+/-0.007 χ^2/NDF:9907284.4/22

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.477+/-0.007 χ^2/NDF:9650053.2/21

Left: 33.836+/-0.005 χ^2/NDF: 19562685.7/44

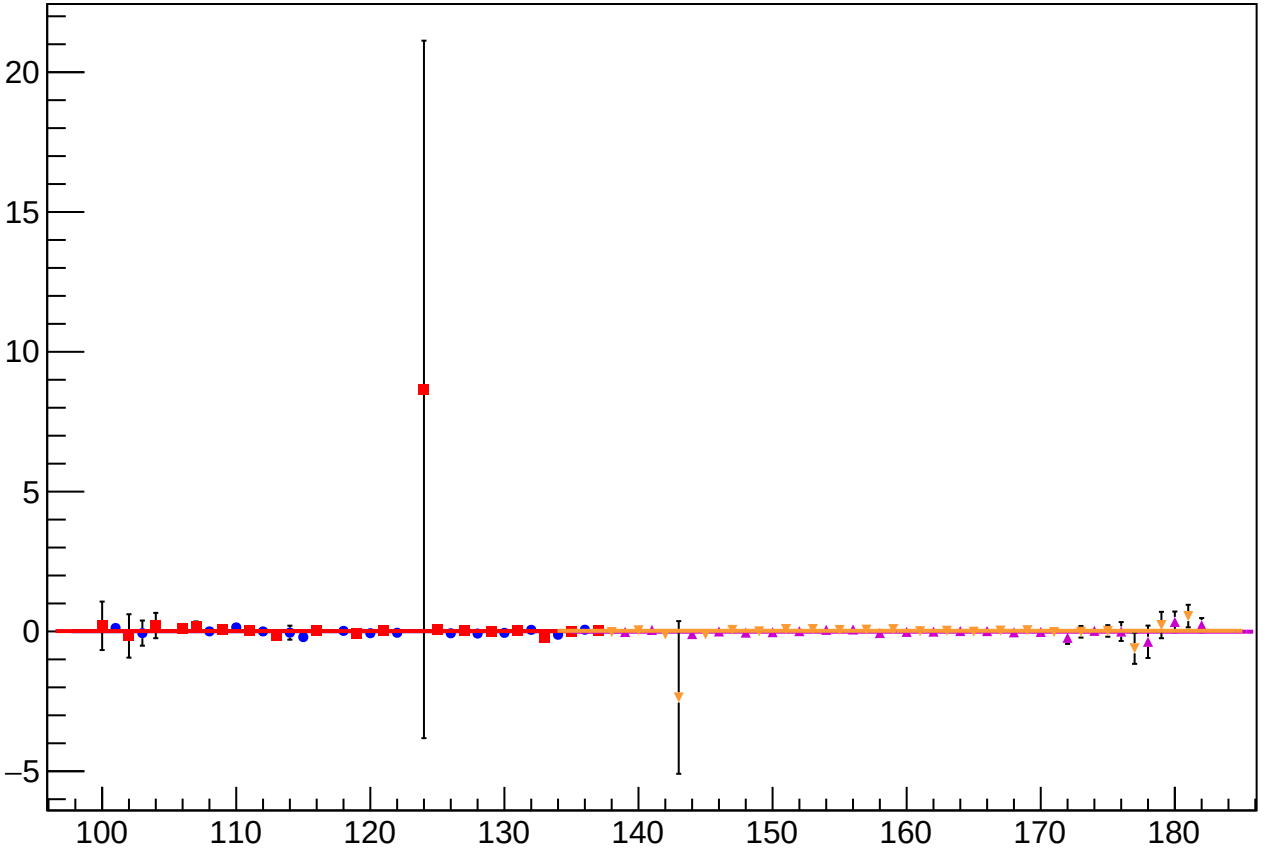
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.589+/-0.006 χ^2/NDF:11723574.9/37

Out: 34.915+/-0.006 χ^2/NDF:13131968.8/41

All: 34.747+/-0.004 χ^2/NDF: 24856989.9/79

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/22

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:14.0/21

Left: 0.006+/-0.007 χ^2/NDF: 40.6/44

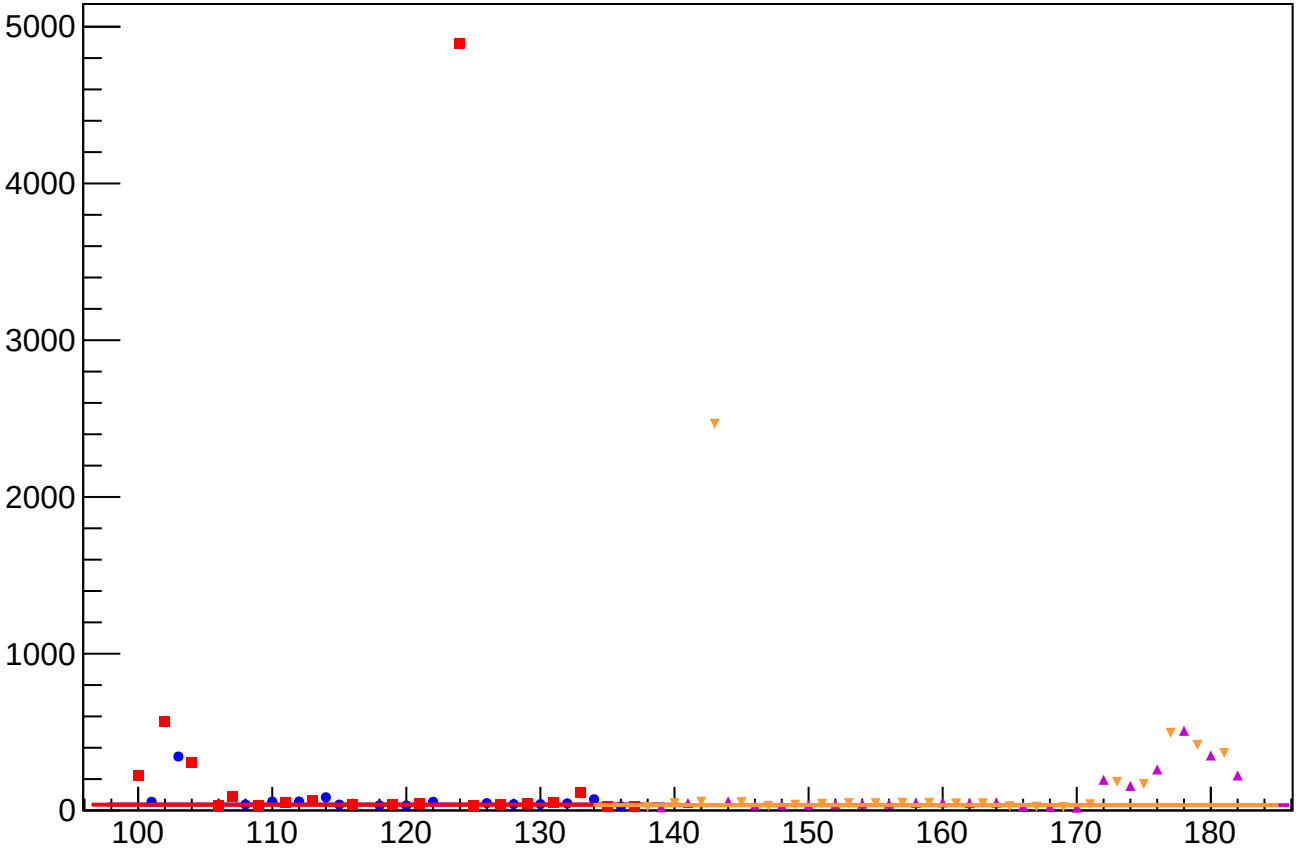
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:34.2/37

Out: 0.020+/-0.009 χ^2/NDF:34.1/41

All: 0.007+/-0.006 χ^2/NDF: 72.5/79

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: 34.215+/-0.007 χ^2/NDF:9907284.4/22

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.477+/-0.007 χ^2/NDF:9650053.2/21

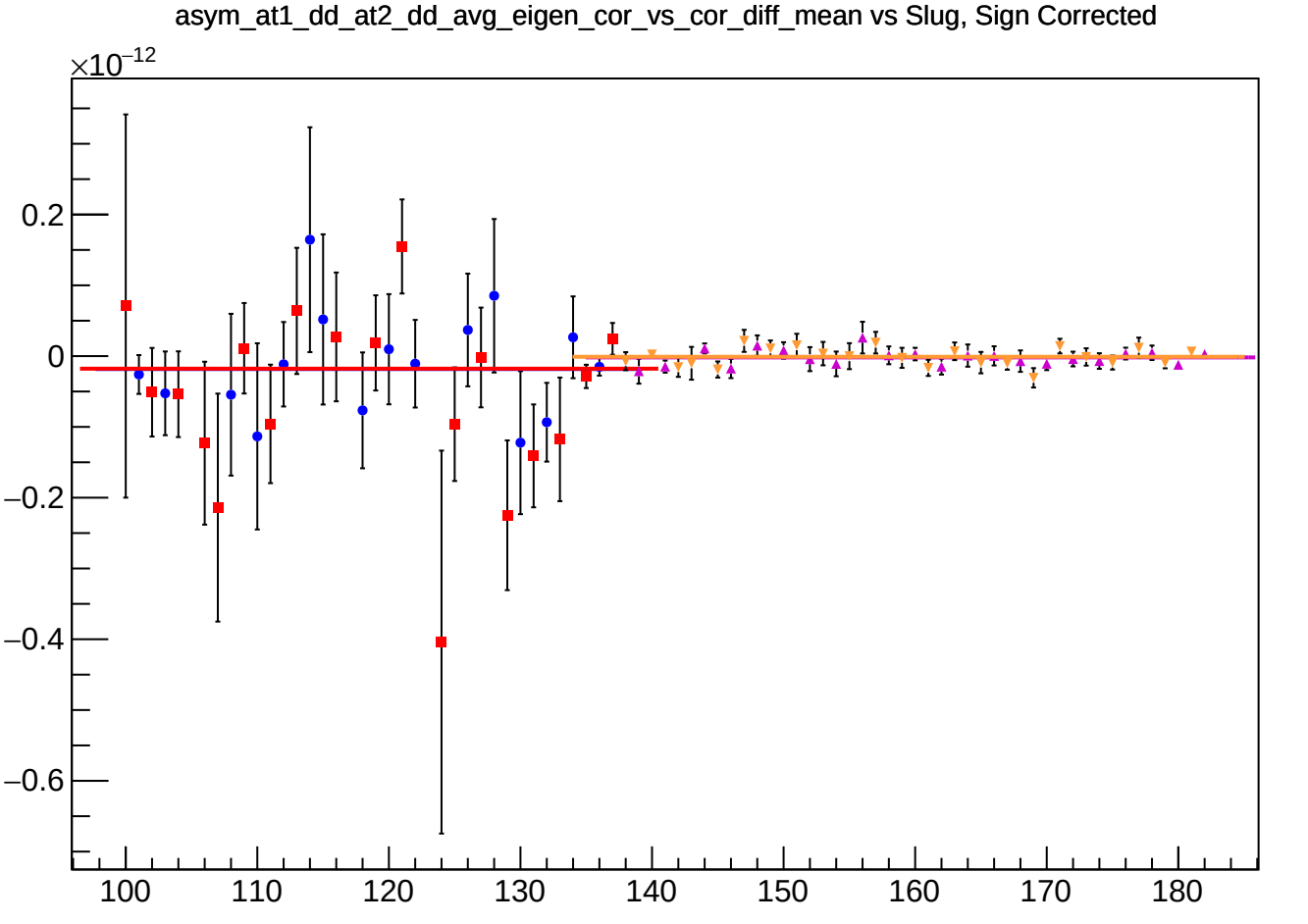
Left: 33.836+/-0.005 χ^2/NDF: 19562685.7/44

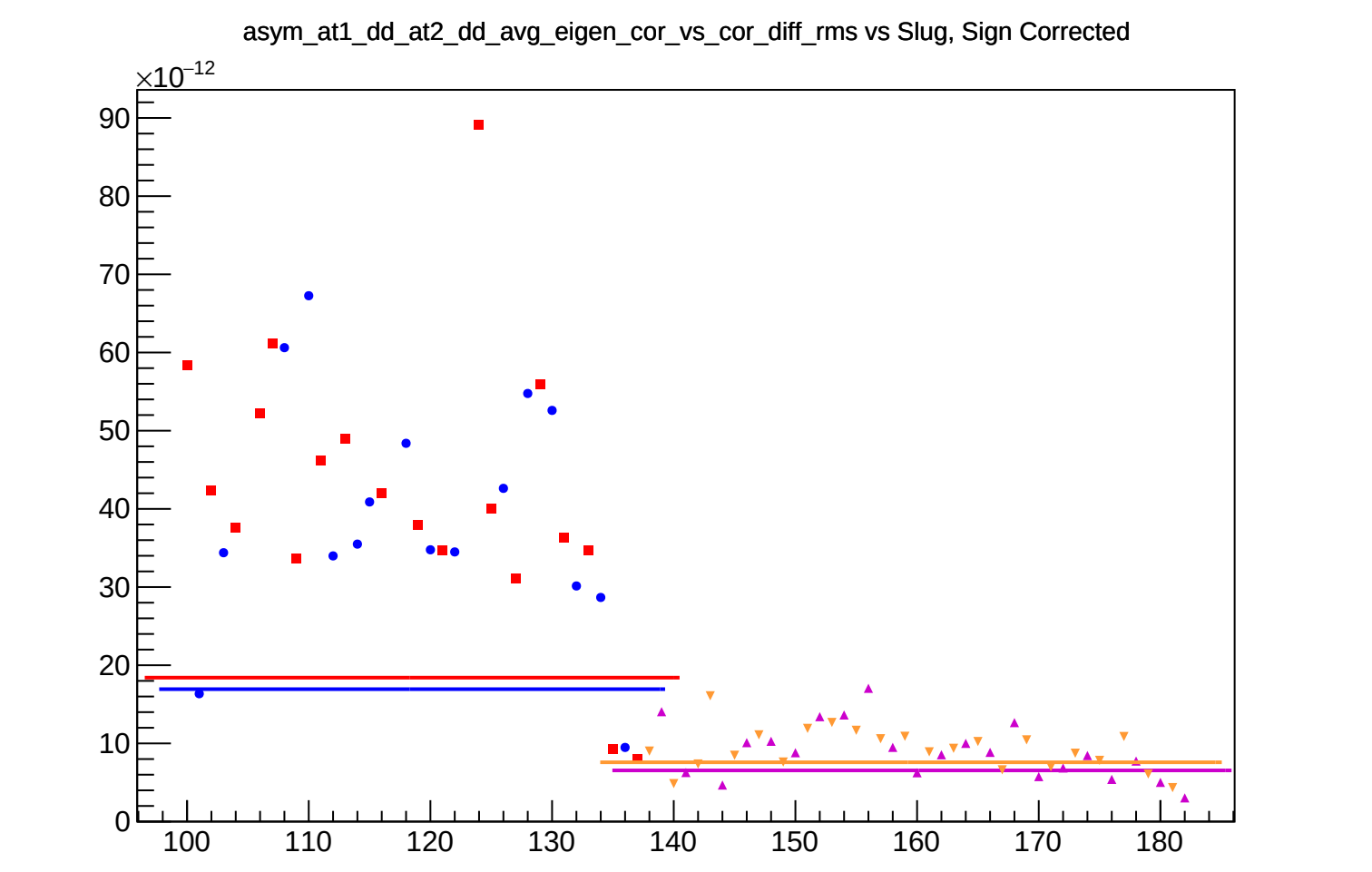
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.589+/-0.006 χ^2/NDF:11723574.9/37

Out: 34.915+/-0.006 χ^2/NDF:13131968.8/41

All: 34.747+/-0.004 χ^2/NDF: 24856989.9/79


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: -0.000+/-0.000 χ²/NDF:24.7/22
Right Out: -0.000+/-0.000 χ²/NDF: 27.3/18
Left In: -0.000+/-0.000 χ²/NDF:19.5/21
Left: -0.000+/-0.000 χ²/NDF: 44.2/44
Right: -0.000+/-0.000 χ²/NDF: 35.6/34
In: -0.000+/-0.000 χ²/NDF:30.4/37
Out: -0.000+/-0.000 χ²/NDF:54.2/41
All: -0.000+/-0.000 χ²/NDF: 84.7/79



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2428877.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3961801.0/21

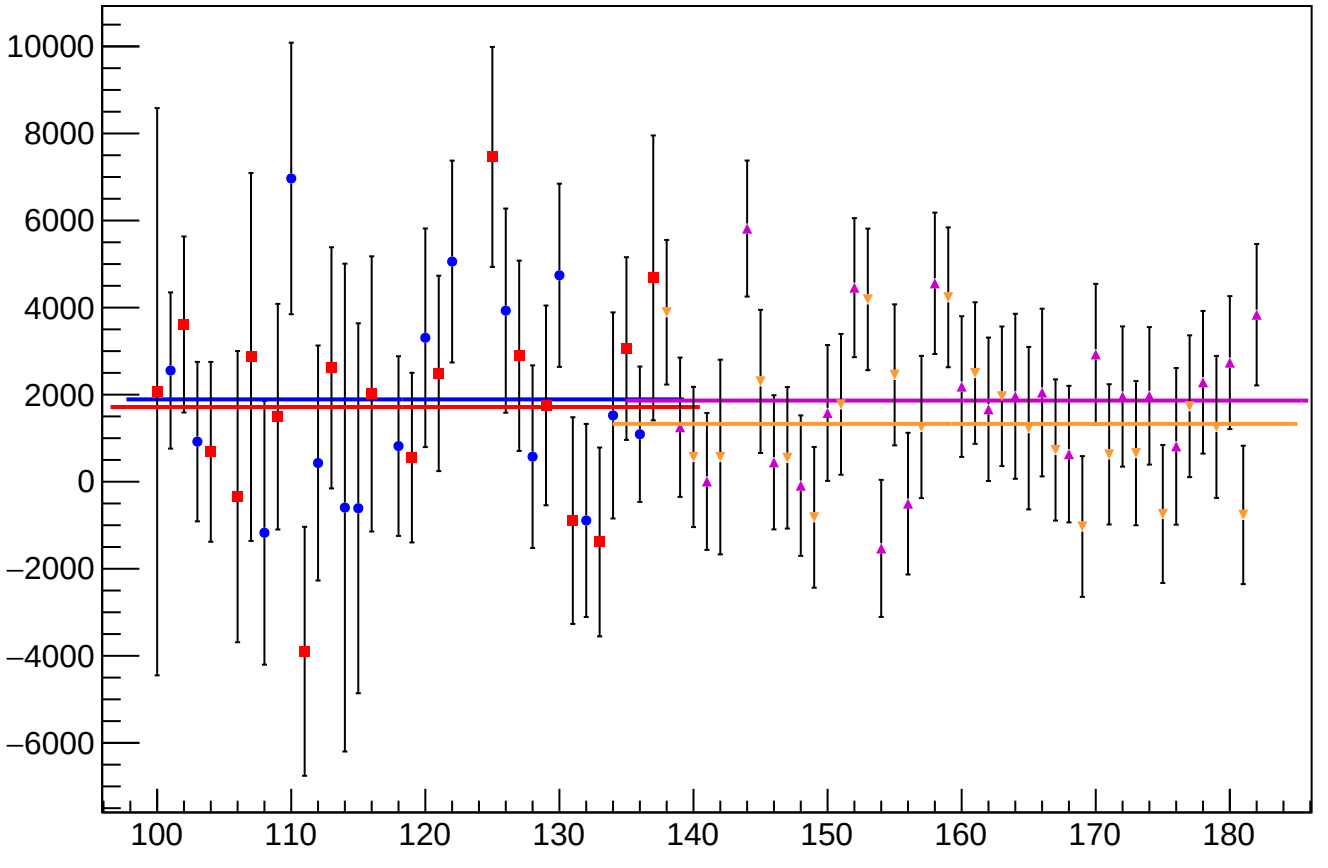
Left: 0.000+/-0.000 χ^2/NDF: 6610991.1/44

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:9271784.2/37

Out: 0.000+/-0.000 χ^2/NDF:7941328.7/41

All: 0.000+/-0.000 χ^2/NDF: 17447287.9/79



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1328.357+/-351.464 χ^2/NDF:18.8/21

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1864.167+/-346.403 χ^2/NDF:25.8/21

Left: 1600.148+/-246.714 χ^2/NDF: 45.7/43

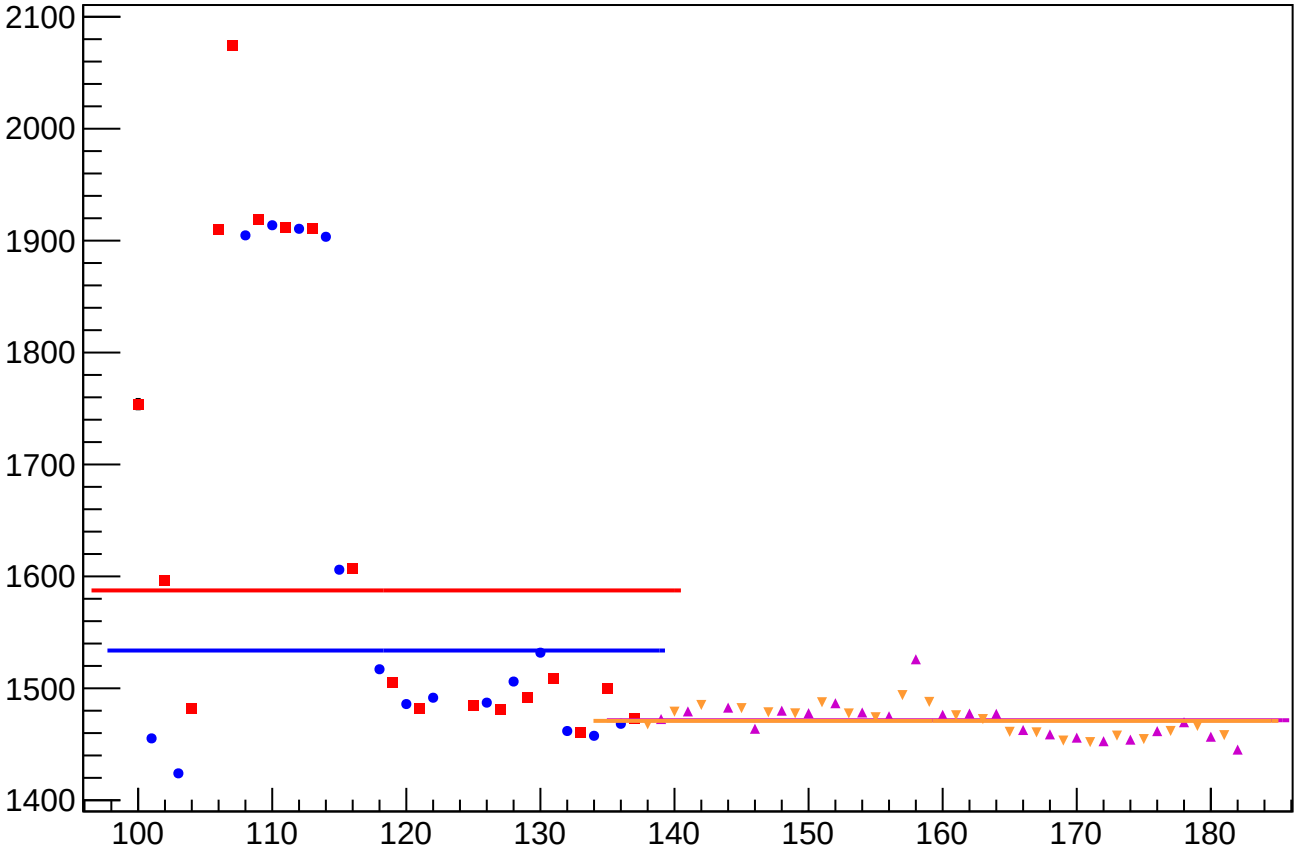
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1871.485+/-296.337 χ^2/NDF:38.0/37

Out: 1429.986+/-301.884 χ^2/NDF:35.1/39

All: 1654.829+/-211.476 χ^2/NDF: 74.2/77

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1470.919+/-0.249 χ^2/NDF:2399.9/21

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1471.473+/-0.245 χ^2/NDF:4468.3/21

Left: 1471.200+/-0.174 χ^2/NDF: 6870.7/43

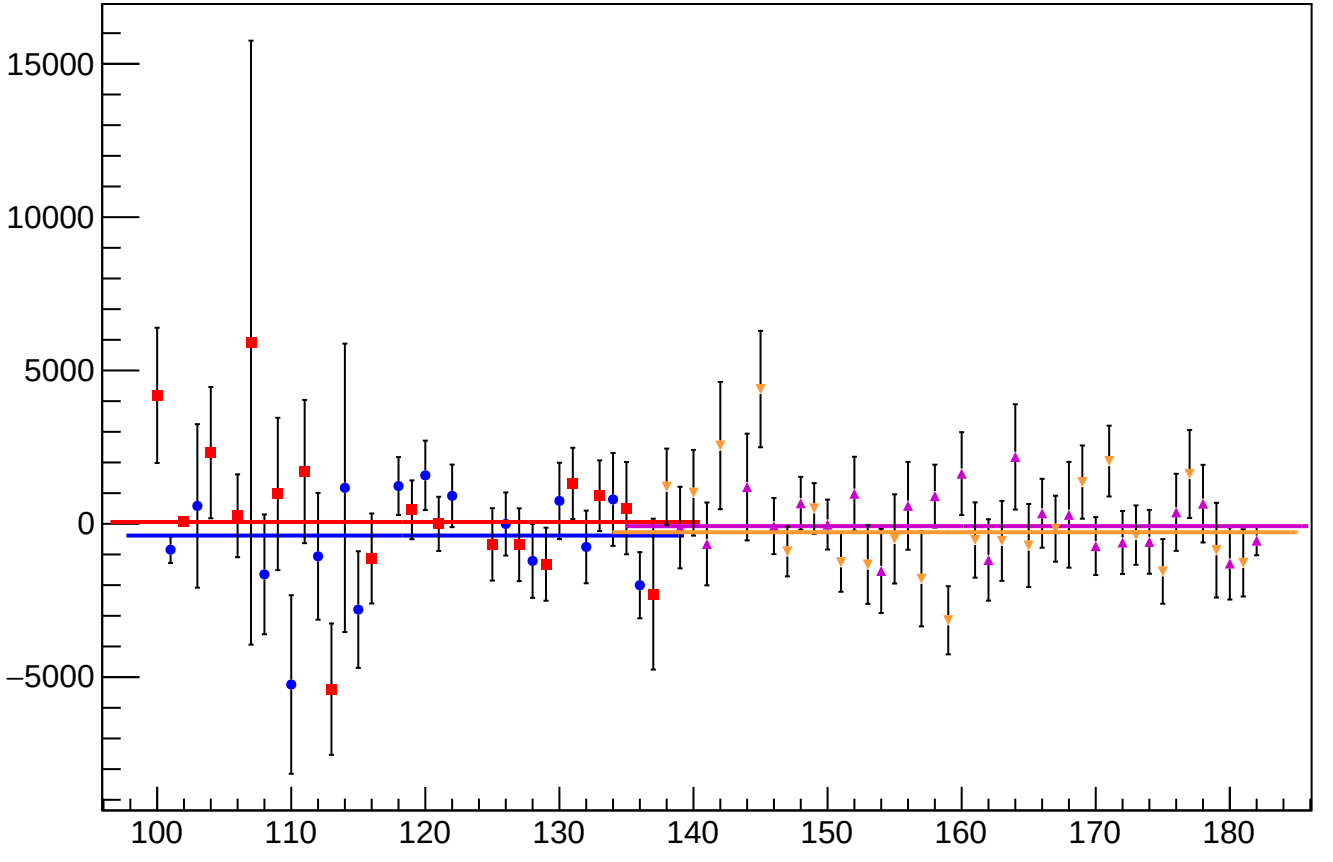
Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1488.179+/-0.210 χ^2/NDF:151087.0/37

Out: 1501.480+/-0.213 χ^2/NDF:232054.2/39

All: 1494.706+/-0.150 χ^2/NDF: 385118.6/77

asym_usl_atl1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -274.216+/-251.133 χ^2/NDF:31.4/21

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: -76.307+/-222.981 χ^2/NDF:12.2/21

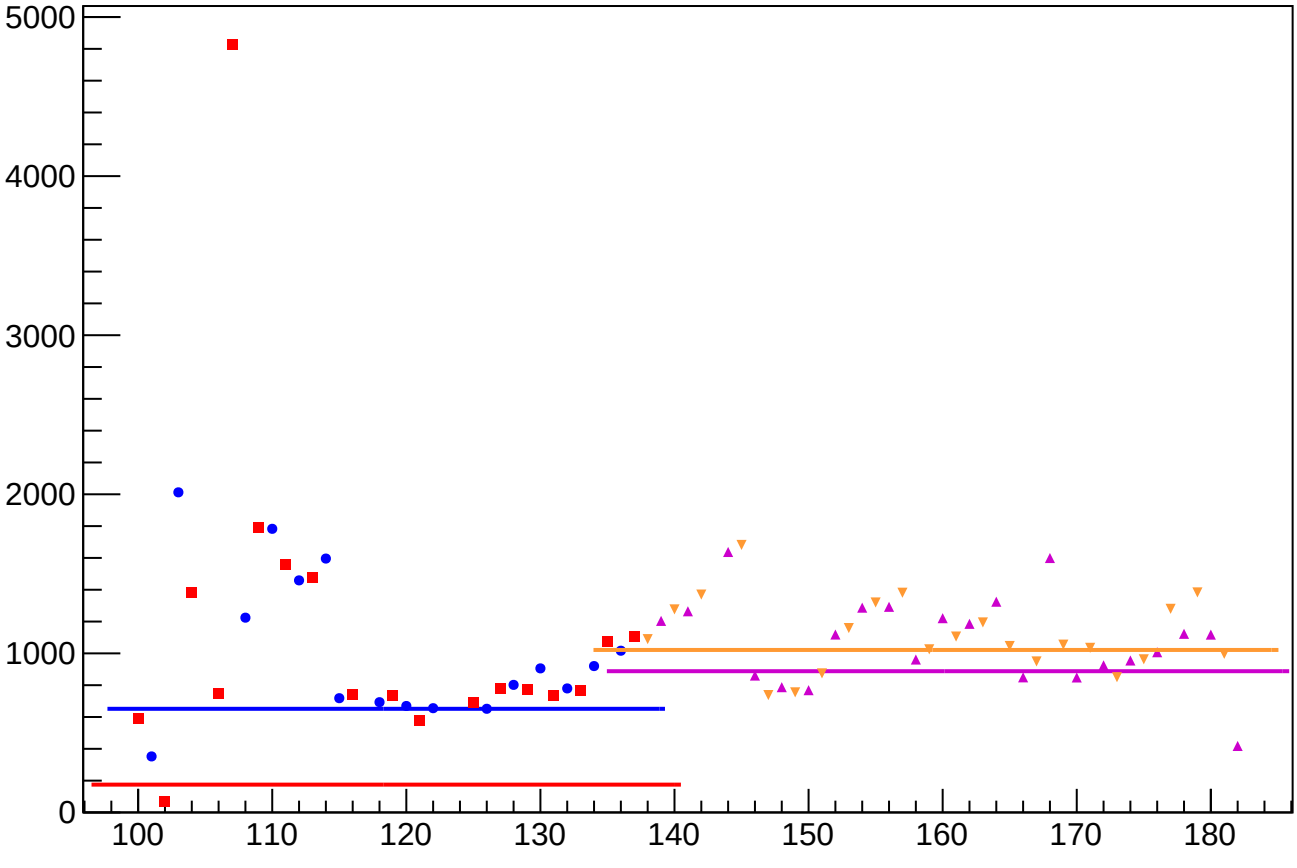
Left: -163.551+/-166.740 χ^2/NDF: 43.9/43

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -199.377+/-172.495 χ^2/NDF:31.2/37

Out: -8.687+/-113.829 χ^2/NDF:50.5/39

All: -66.535+/-95.007 χ^2/NDF: 82.6/77



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1021.506+/-0.178 χ^2/NDF:1385091.7/21

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 887.963+/-0.158 χ^2/NDF:3941002.0/21

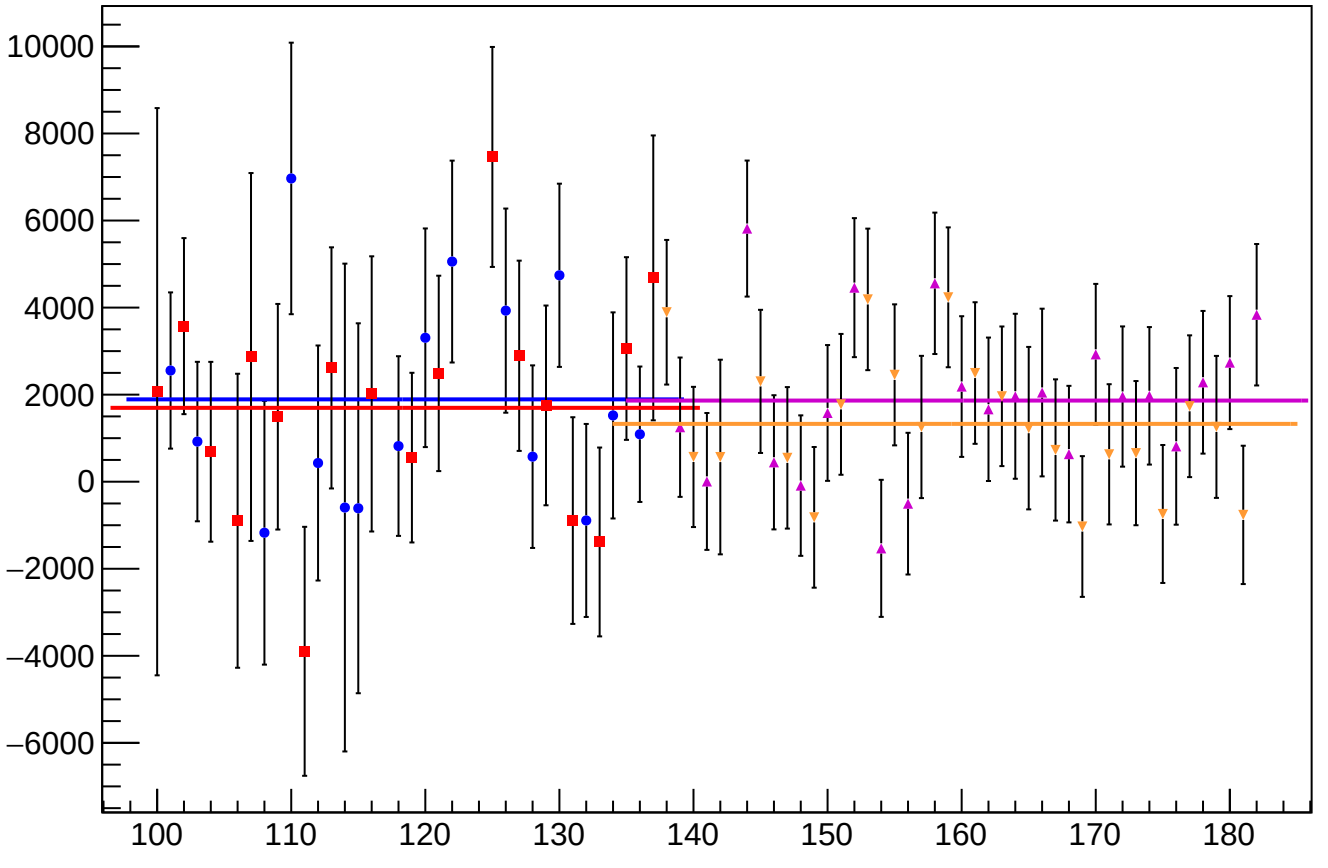
Left: 946.833+/-0.118 χ^2/NDF: 5642326.7/43

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 793.018+/-0.122 χ^2/NDF:7606659.8/37

Out: 348.832+/-0.080 χ^2/NDF:29206013.8/39

All: 483.581+/-0.067 χ^2/NDF: 46051427.7/77



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1328.369+/-351.464 χ^2/NDF:18.8/21

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1864.198+/-346.403 χ^2/NDF:25.8/21

Left: 1600.170+/-246.714 χ^2/NDF: 45.7/43

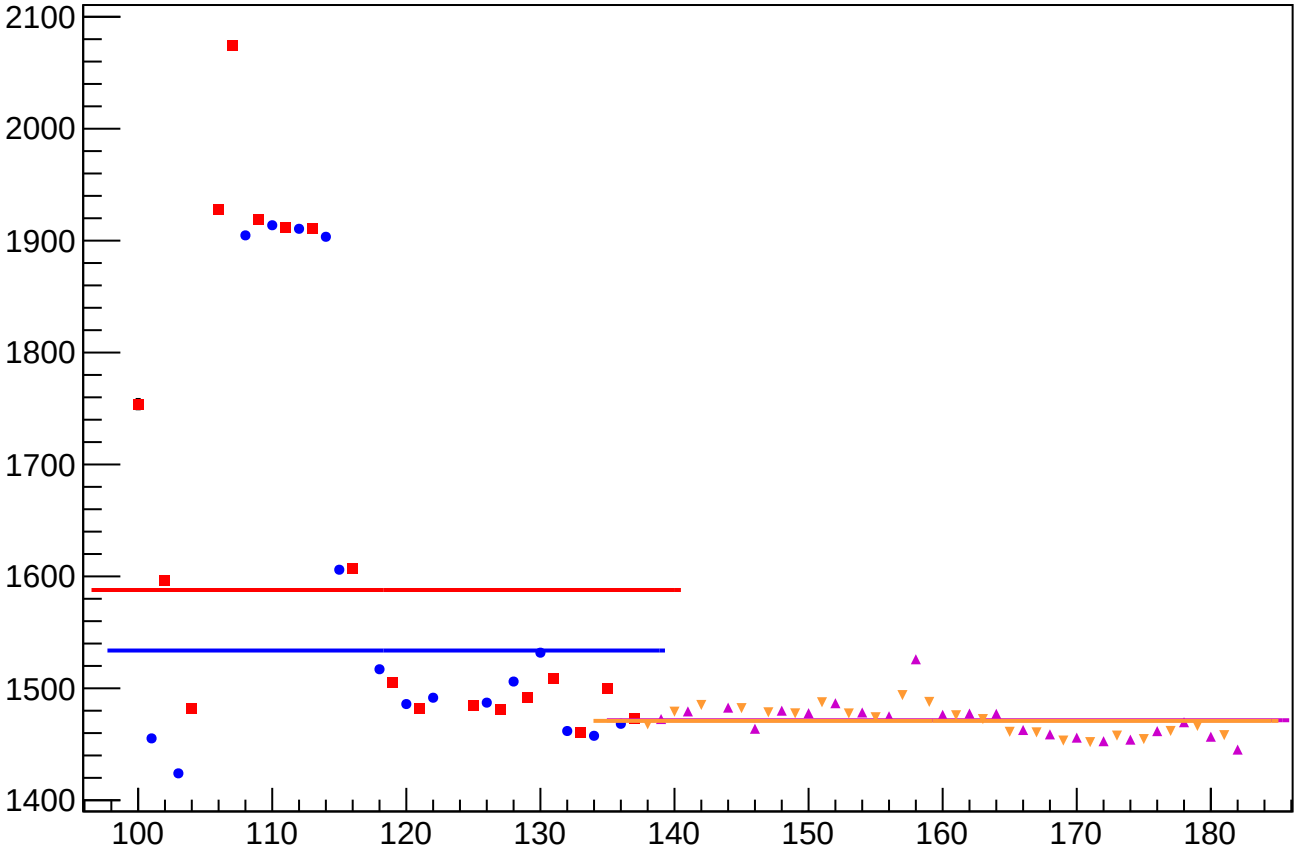
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1871.536+/-296.337 χ^2/NDF:38.0/37

Out: 1424.989+/-301.909 χ^2/NDF:35.2/39

All: 1652.421+/-211.484 χ^2/NDF: 74.3/77

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1470.919+/-0.249 χ^2/NDF:2399.9/21

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1471.473+/-0.245 χ^2/NDF:4468.3/21

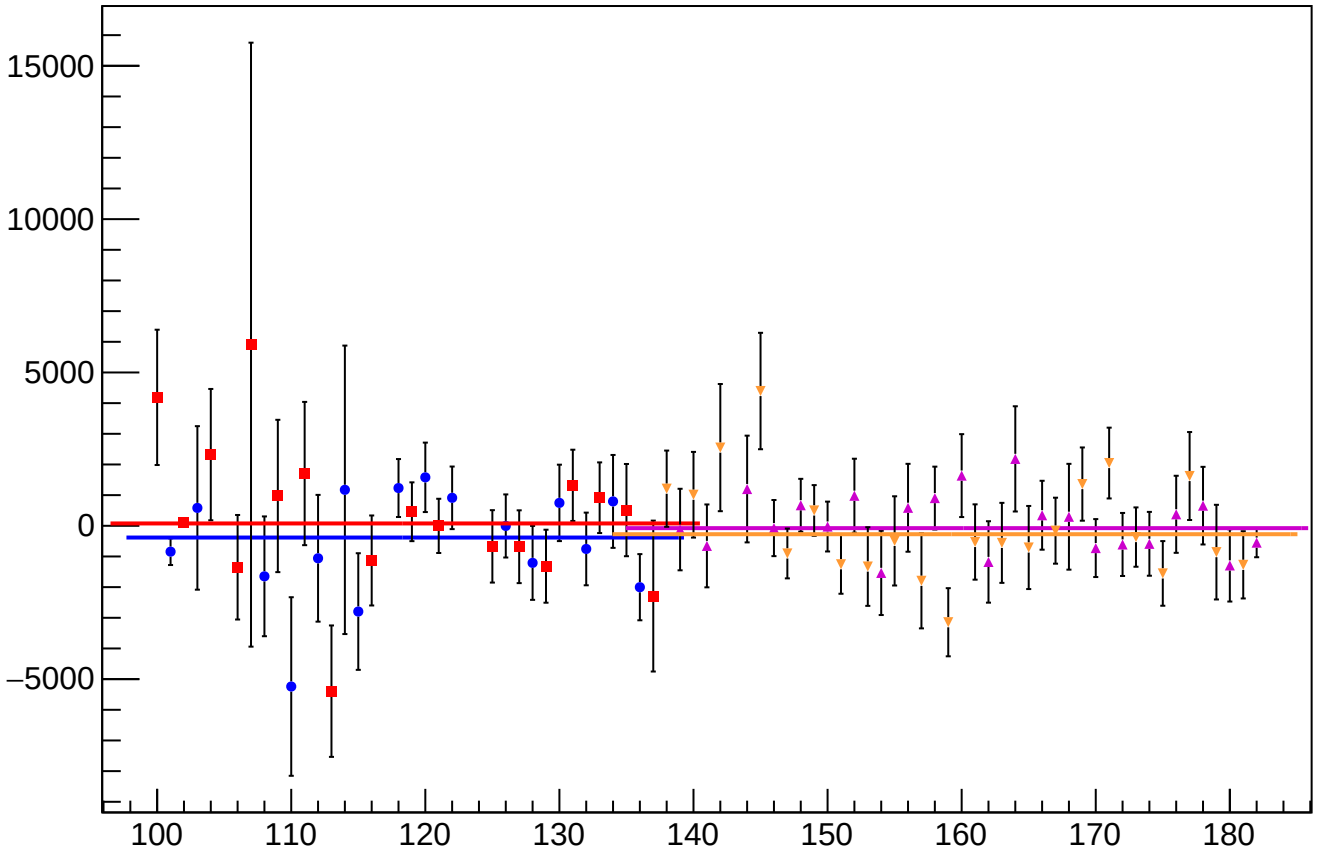
Left: 1471.200+/-0.174 χ^2/NDF: 6870.7/43

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1488.179+/-0.210 χ^2/NDF:151086.9/37

Out: 1501.568+/-0.213 χ^2/NDF:234188.1/39

All: 1494.749+/-0.150 χ^2/NDF: 387278.2/77



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -274.179+/-251.133 χ^2/NDF:31.4/21

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -76.398+/-222.982 χ^2/NDF:12.2/21

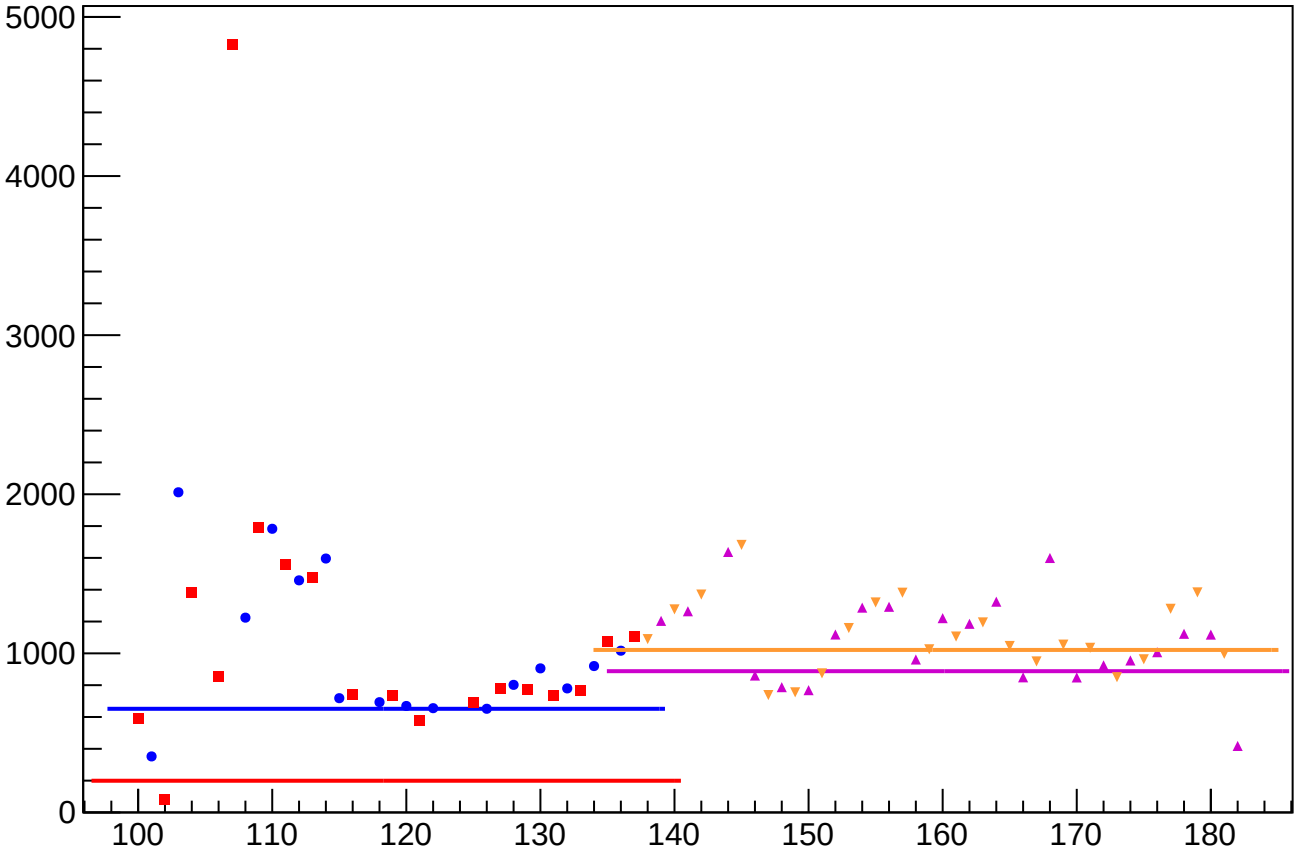
Left: -163.586+/-166.740 χ^2/NDF: 43.9/43

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -199.422+/-172.496 χ^2/NDF:31.2/37

Out: -4.761+/-121.035 χ^2/NDF:51.3/39

All: -68.982+/-99.078 χ^2/NDF: 83.4/77



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1021.508+/-0.178 χ^2/NDF:1385111.6/21

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 887.969+/-0.158 χ^2/NDF:3940926.4/21

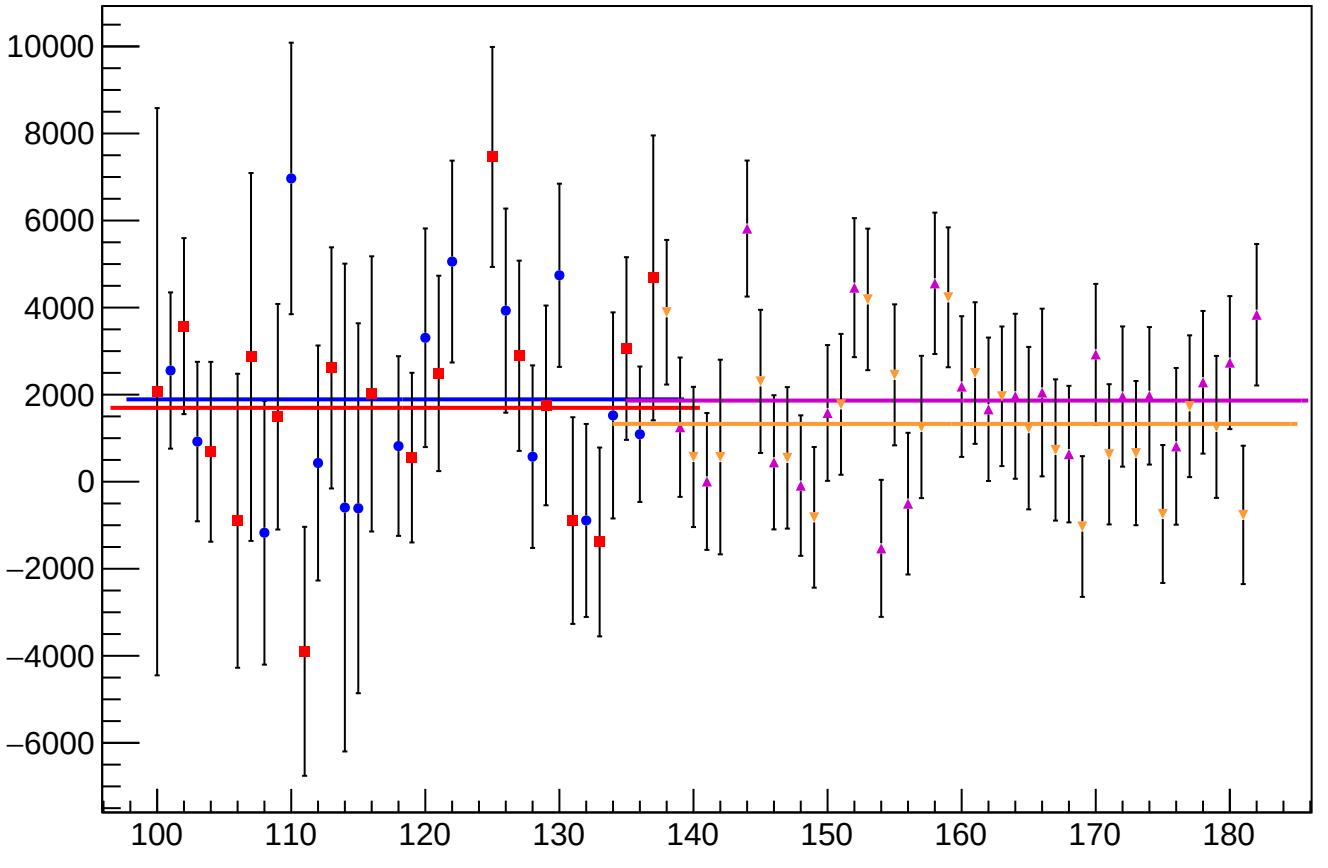
Left: 946.837+/-0.118 χ^2/NDF: 5642252.3/43

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 793.021+/-0.122 χ^2/NDF:7606663.4/37

Out: 390.317+/-0.086 χ^2/NDF:27126550.7/39

All: 523.174+/-0.070 χ^2/NDF: 42037449.7/77



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1328.369+/-351.464 χ^2/NDF:18.8/21

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1864.198+/-346.403 χ^2/NDF:25.8/21

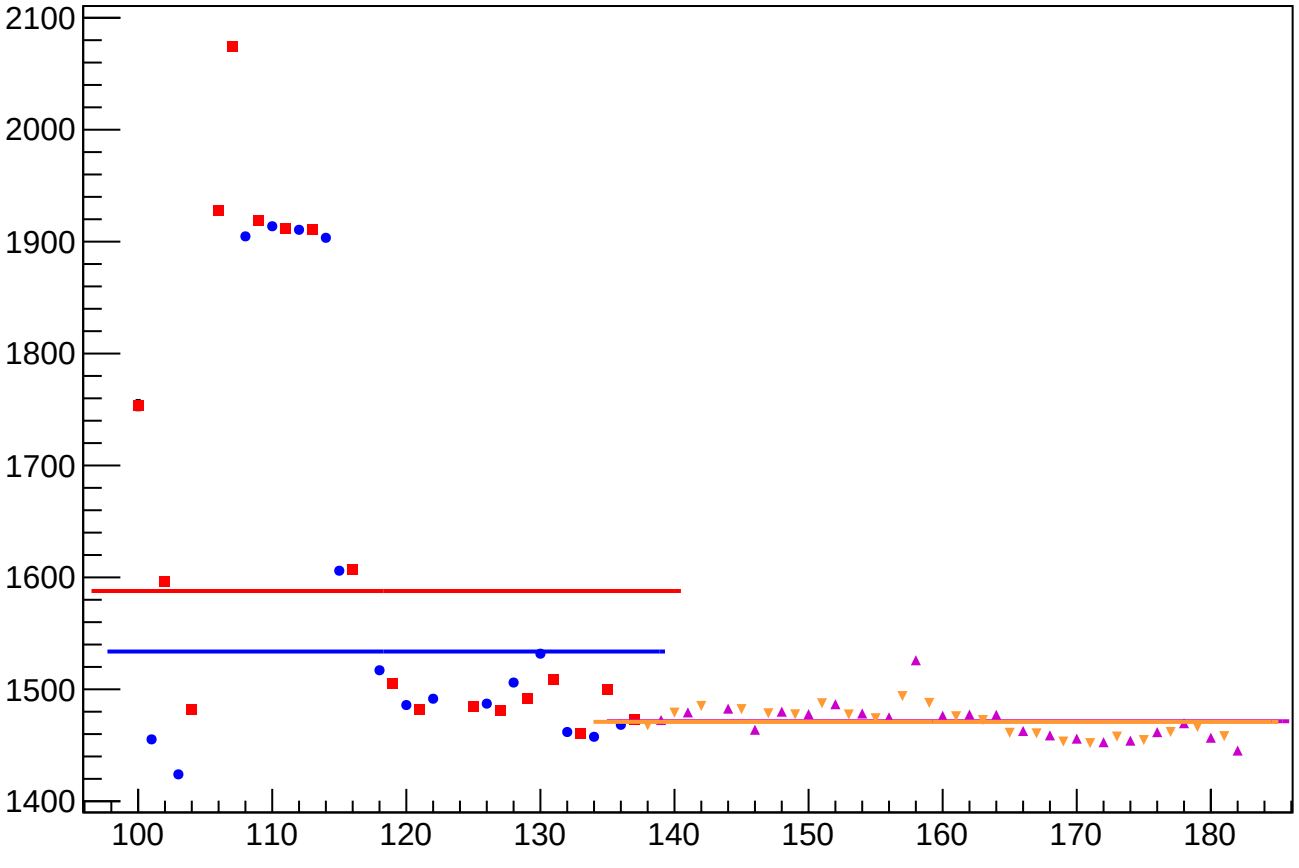
Left: 1600.170+/-246.714 χ^2/NDF: 45.7/43

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1871.536+/-296.337 χ^2/NDF:38.0/37

Out: 1424.989+/-301.909 χ^2/NDF:35.2/39

All: 1652.421+/-211.484 χ^2/NDF: 74.3/77



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1470.919+/-0.249 χ^2/NDF:2399.9/21

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1471.473+/-0.245 χ^2/NDF:4468.3/21

Left: 1471.200+/-0.174 χ^2/NDF: 6870.7/43

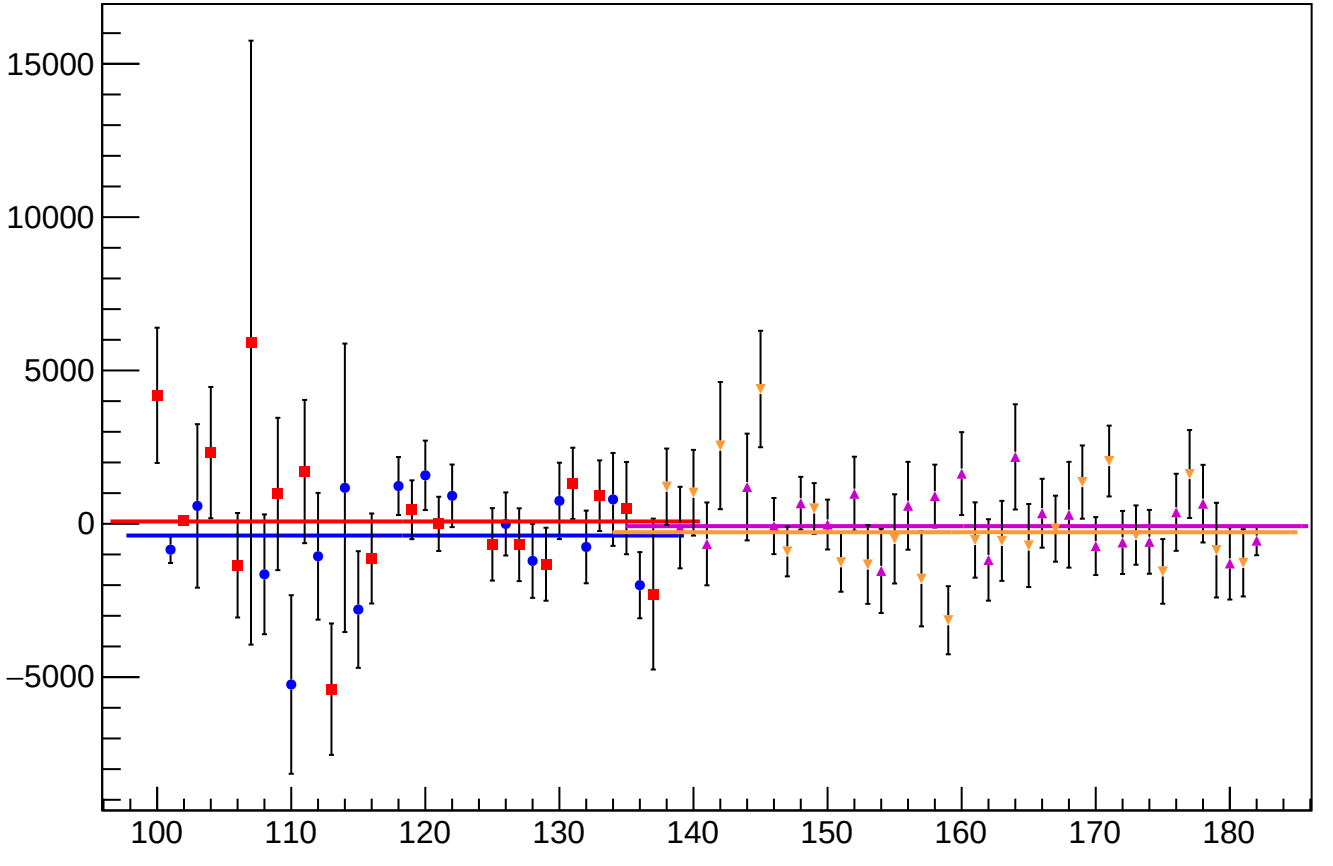
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1488.179+/-0.210 χ^2/NDF:151086.9/37

Out: 1501.568+/-0.213 χ^2/NDF:234188.1/39

All: 1494.749+/-0.150 χ^2/NDF: 387278.2/77

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -274.179+/-251.133 χ^2/NDF:31.4/21

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -76.398+/-222.982 χ^2/NDF:12.2/21

Left: -163.586+/-166.740 χ^2/NDF: 43.9/43

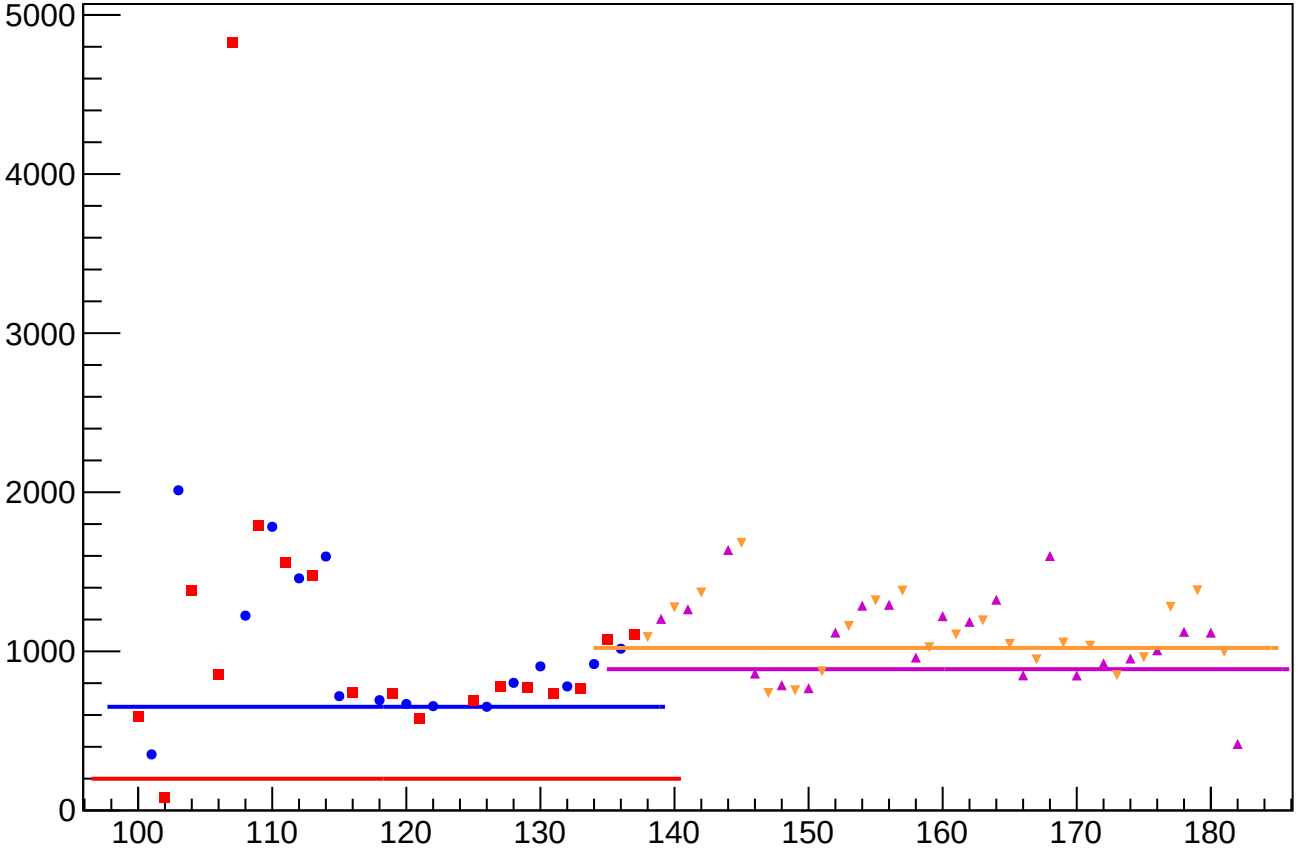
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -199.422+/-172.496 χ^2/NDF:31.2/37

Out: -4.761+/-121.035 χ^2/NDF:51.3/39

All: -68.982+/-99.078 χ^2/NDF: 83.4/77

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: 1021.508+/-0.178 χ^2/NDF:1385111.6/21

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 887.969+/-0.158 χ^2/NDF:3940926.4/21

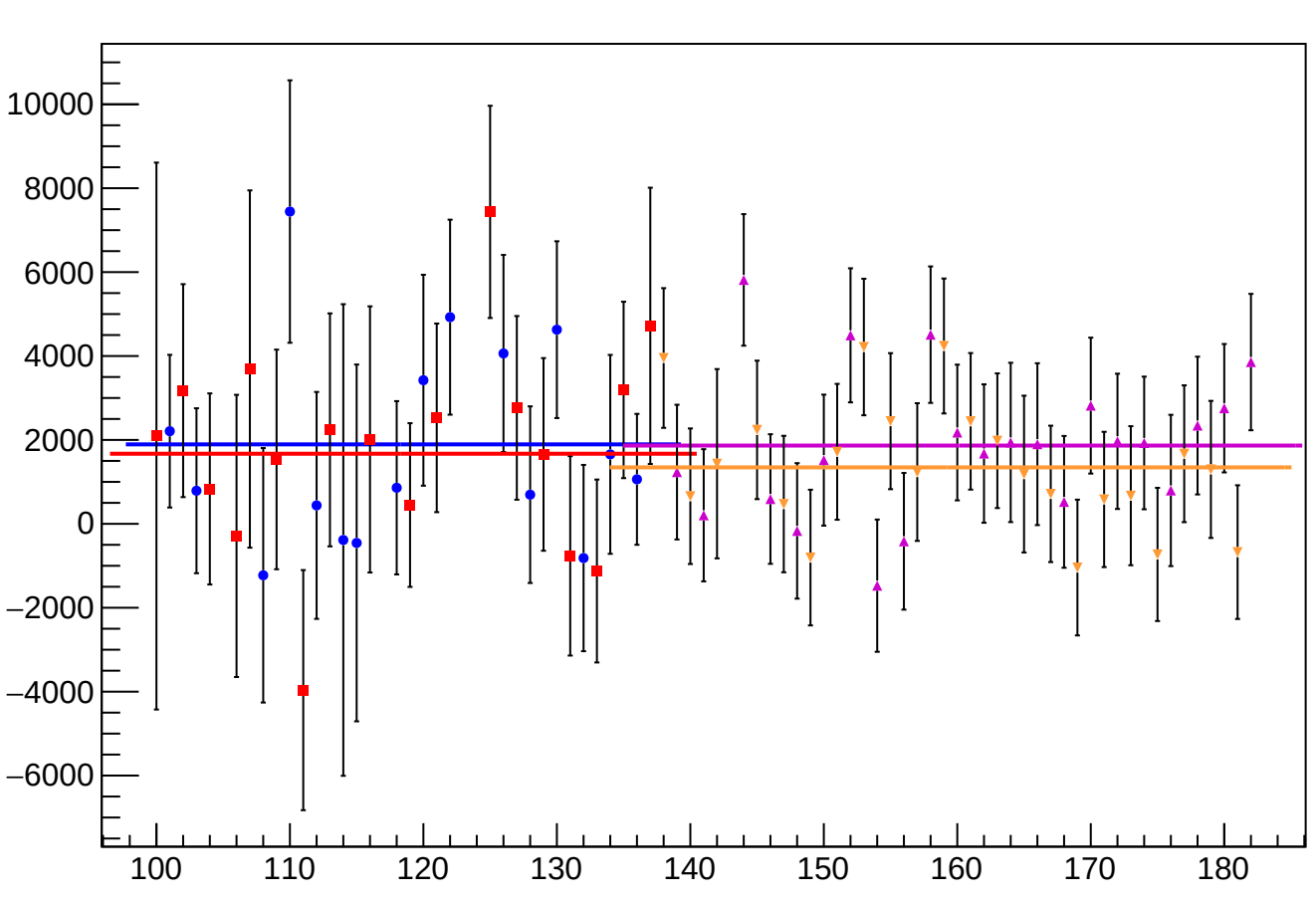
Left: 946.837+/-0.118 χ^2/NDF: 5642252.3/43

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 793.021+/-0.122 χ^2/NDF:7606663.4/37

Out: 390.317+/-0.086 χ^2/NDF:27126550.7/39

All: 523.174+/-0.070 χ^2/NDF: 42037449.7/77



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1345.820+/-352.062 χ^2/NDF:18.5/21

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1865.878+/-346.881 χ^2/NDF:25.1/21

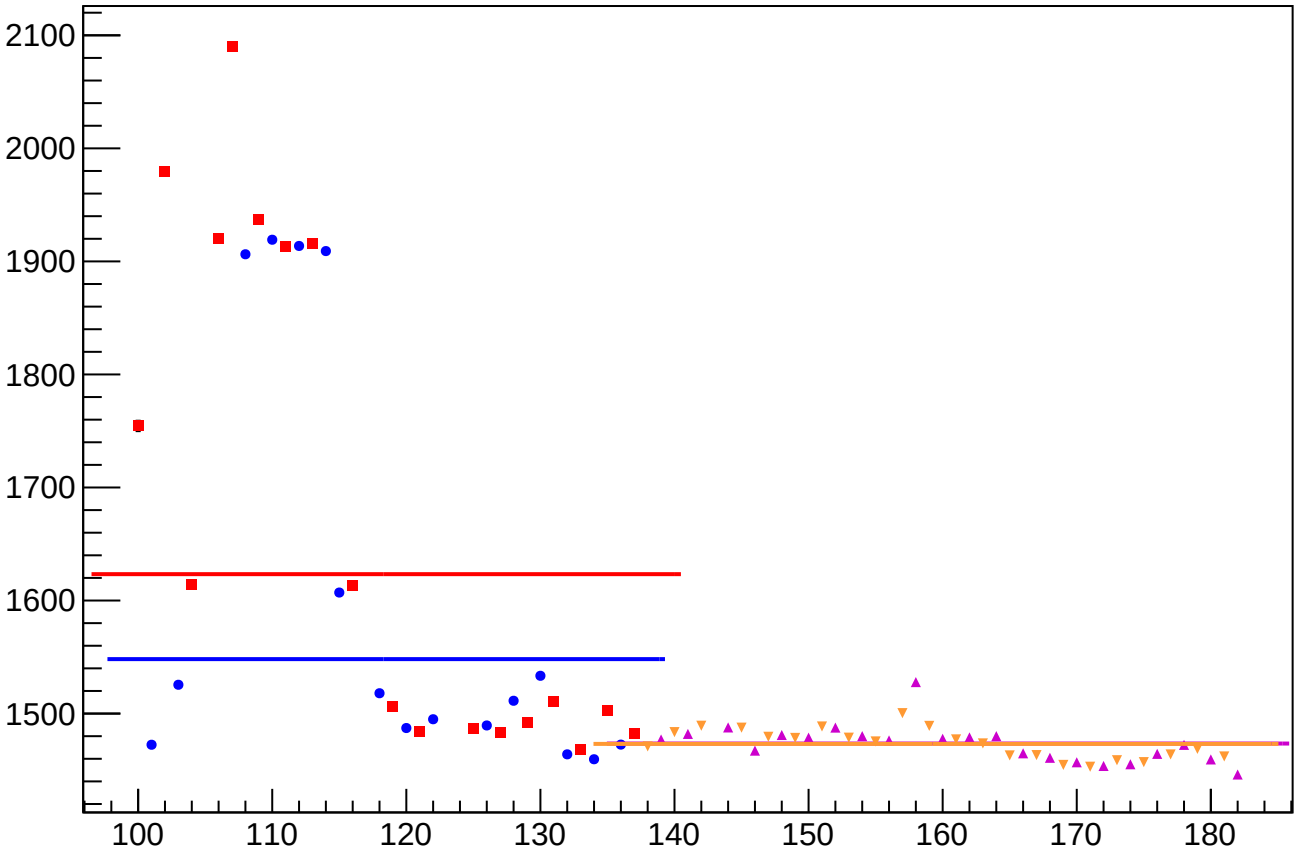
Left: 1609.703+/-247.093 χ^2/NDF: 44.8/43

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1873.377+/-297.379 χ^2/NDF:37.4/37

Out: 1428.096+/-304.270 χ^2/NDF:33.8/39

All: 1655.836+/-212.673 χ^2/NDF: 72.3/77



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1473.177+/-0.249 χ^2/NDF:2603.3/21

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1473.488+/-0.245 χ^2/NDF:4560.8/21

Left: 1473.335+/-0.175 χ^2/NDF: 7164.9/43

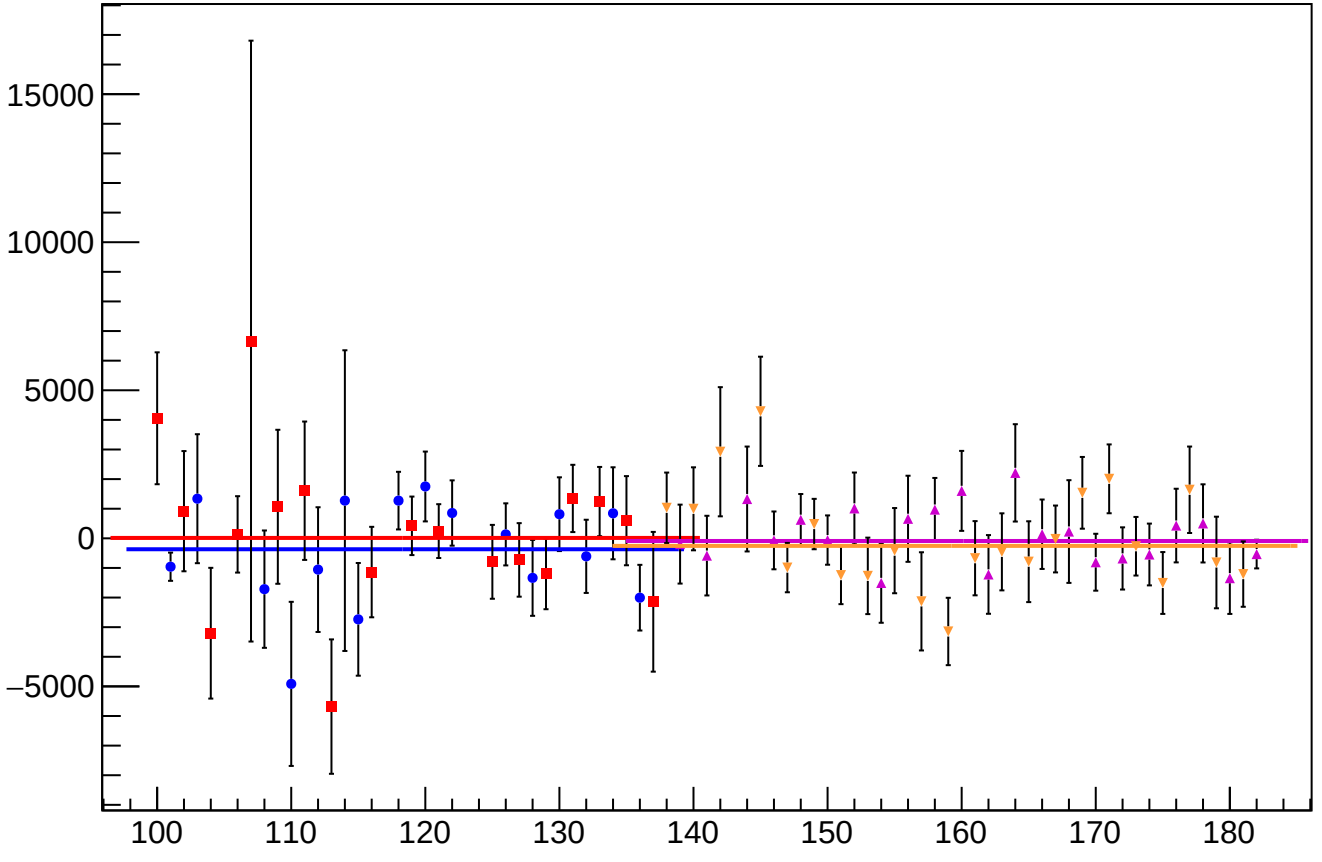
Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1493.283+/-0.210 χ^2/NDF:149039.9/37

Out: 1511.177+/-0.215 χ^2/NDF:306203.7/39

All: 1502.025+/-0.150 χ^2/NDF: 458781.2/77

asym_usl_atl1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -255.064+/-254.662 χ^2/NDF:31.4/21

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: -89.508+/-226.693 χ^2/NDF:12.3/21

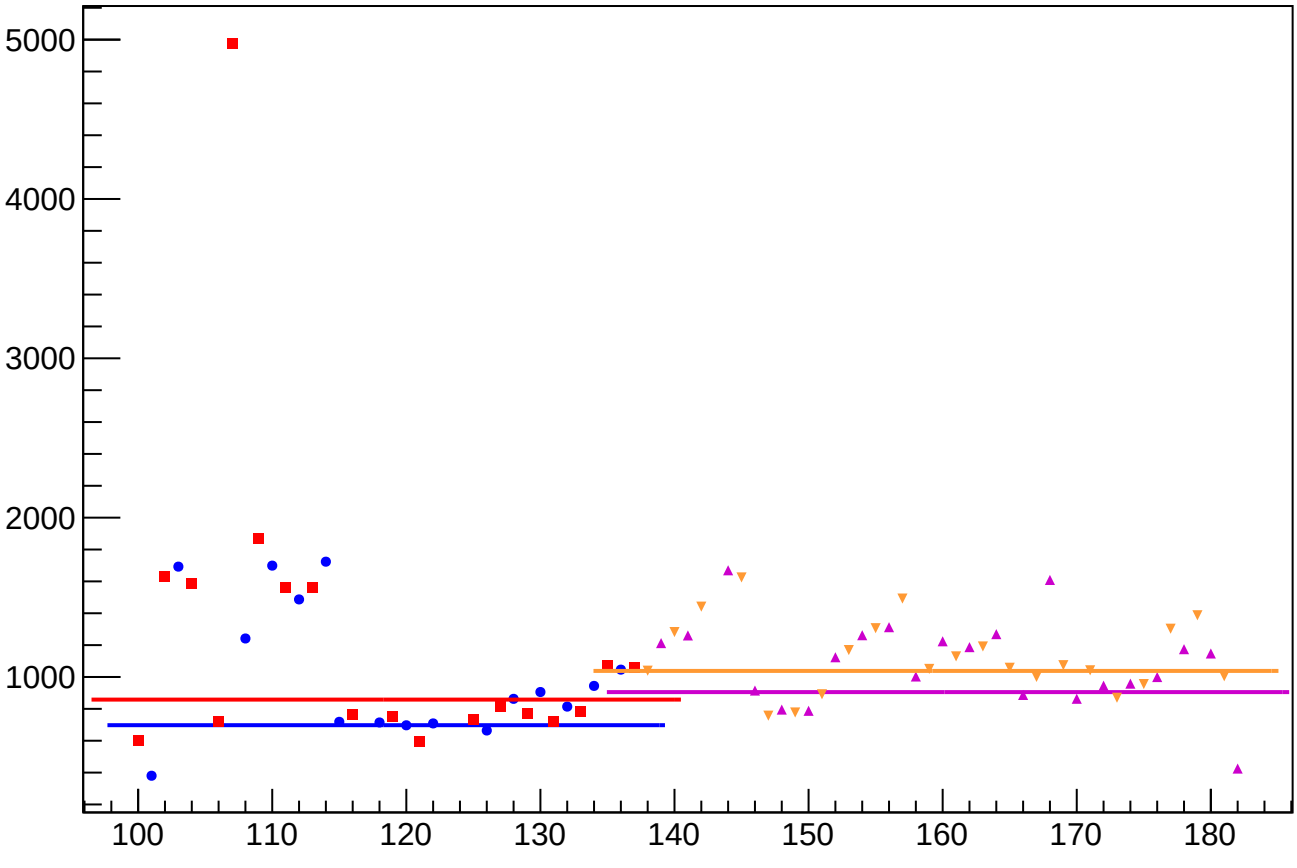
Left: -162.699+/-169.325 χ^2/NDF: 43.9/43

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -196.971+/-177.792 χ^2/NDF:31.8/37

Out: -159.031+/-204.164 χ^2/NDF:50.8/39

All: -180.608+/-134.079 χ^2/NDF: 82.7/77



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1038.100+/-0.180 χ^2/NDF:1314558.8/21

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 905.132+/-0.160 χ^2/NDF:3852203.2/21

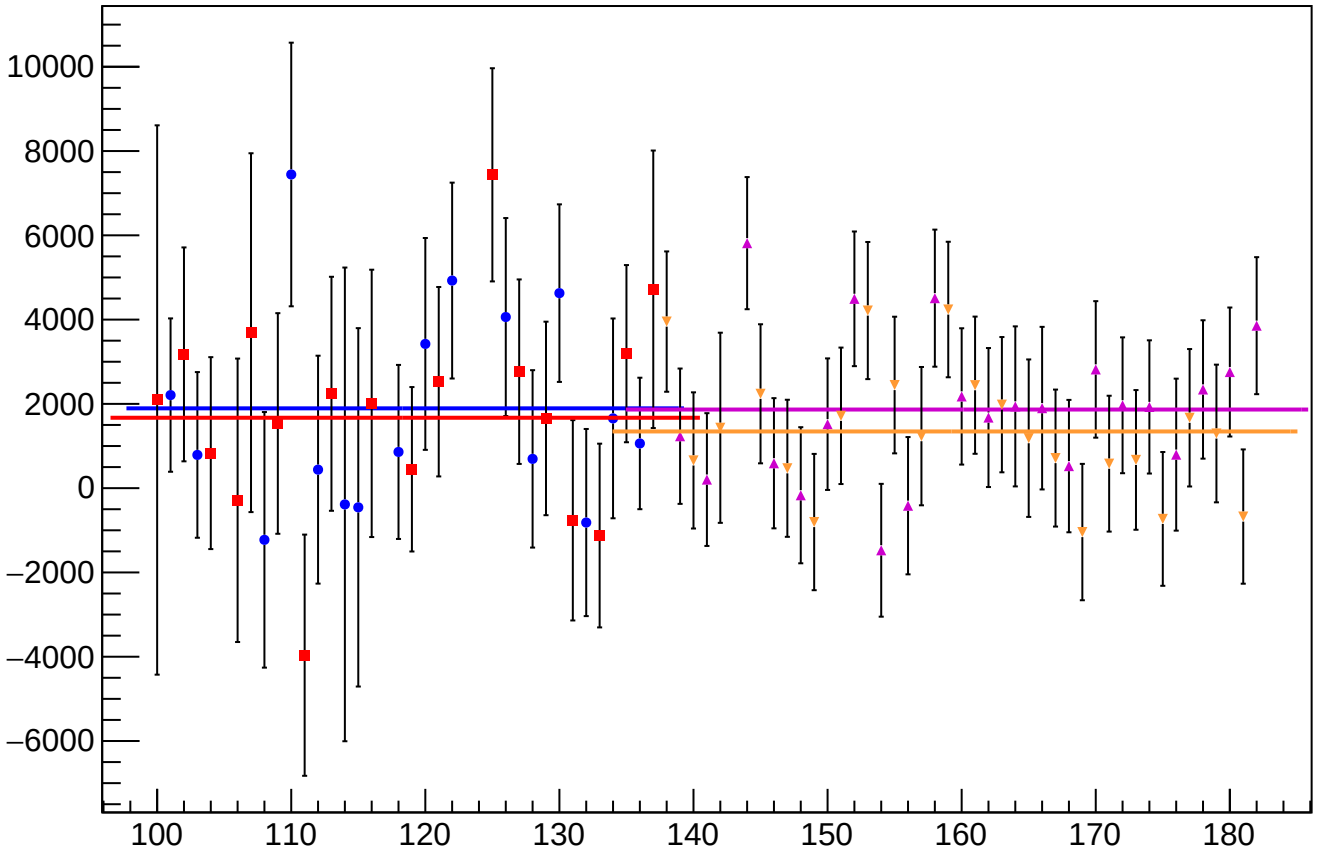
Left: 963.916+/-0.120 χ^2/NDF: 5470961.4/43

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 825.222+/-0.126 χ^2/NDF:6933483.5/37

Out: 973.789+/-0.144 χ^2/NDF:3553723.8/39

All: 889.297+/-0.095 χ^2/NDF: 11089514.9/77



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1345.818+/-352.062 χ^2/NDF:18.5/21

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1865.879+/-346.881 χ^2/NDF:25.1/21

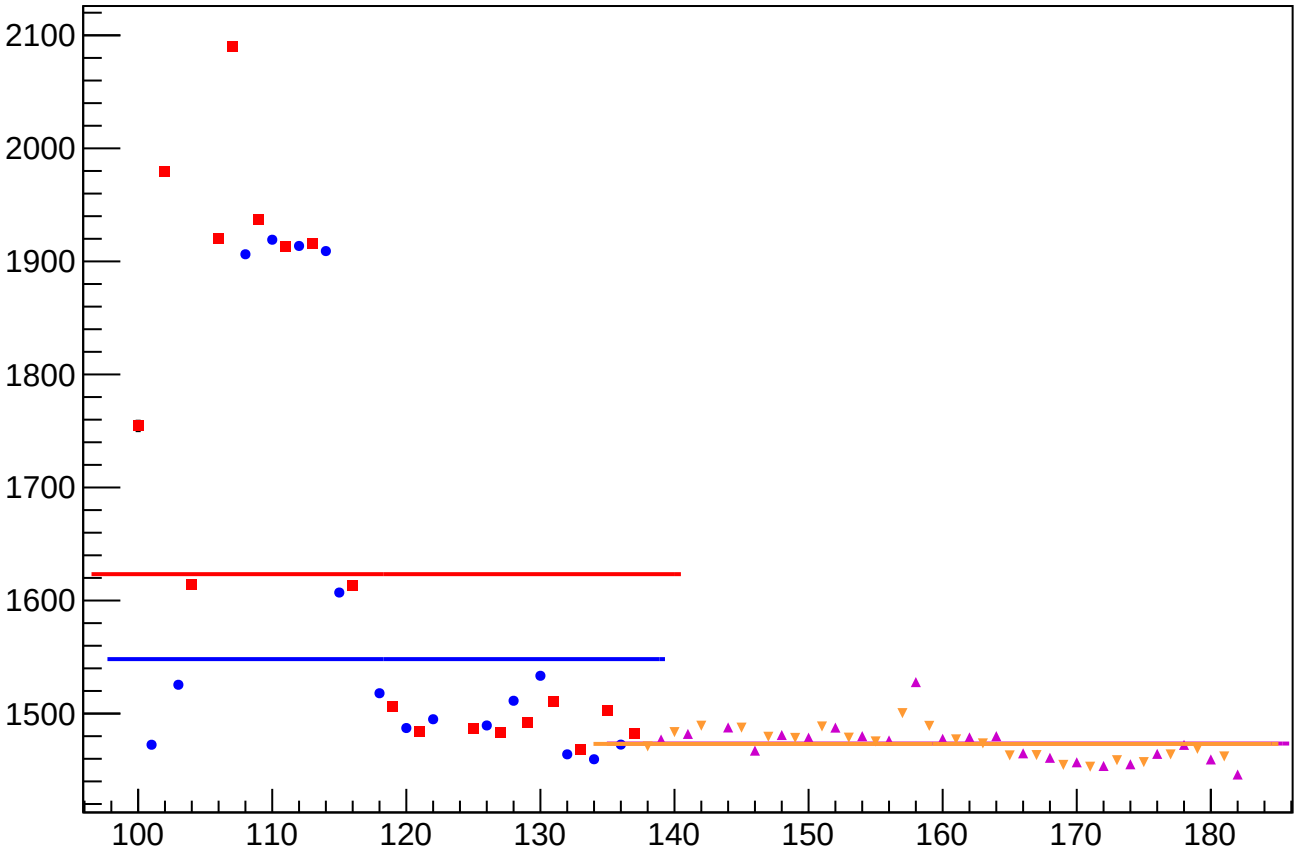
Left: 1609.703+/-247.093 χ^2/NDF: 44.8/43

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1873.377+/-297.379 χ^2/NDF:37.4/37

Out: 1428.094+/-304.270 χ^2/NDF:33.8/39

All: 1655.835+/-212.673 χ^2/NDF: 72.3/77



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1473.177+/-0.249 χ^2/NDF:2603.3/21

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1473.488+/-0.245 χ^2/NDF:4560.8/21

Left: 1473.335+/-0.175 χ^2/NDF: 7164.9/43

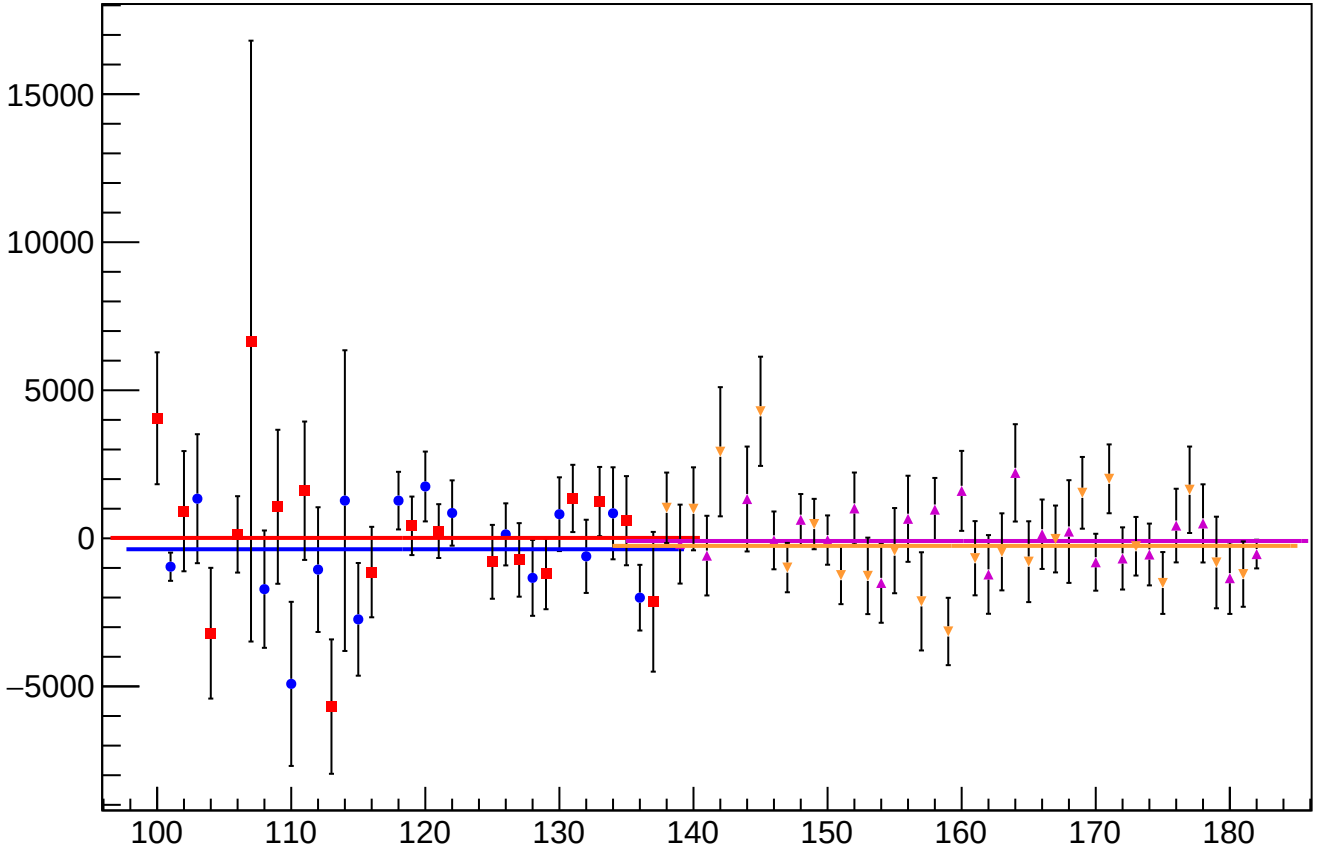
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1493.283+/-0.210 χ^2/NDF:149039.8/37

Out: 1511.177+/-0.215 χ^2/NDF:306203.2/39

All: 1502.025+/-0.150 χ^2/NDF: 458780.6/77

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -255.066+/-254.663 χ^2/NDF:31.4/21

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: -89.508+/-226.694 χ^2/NDF:12.3/21

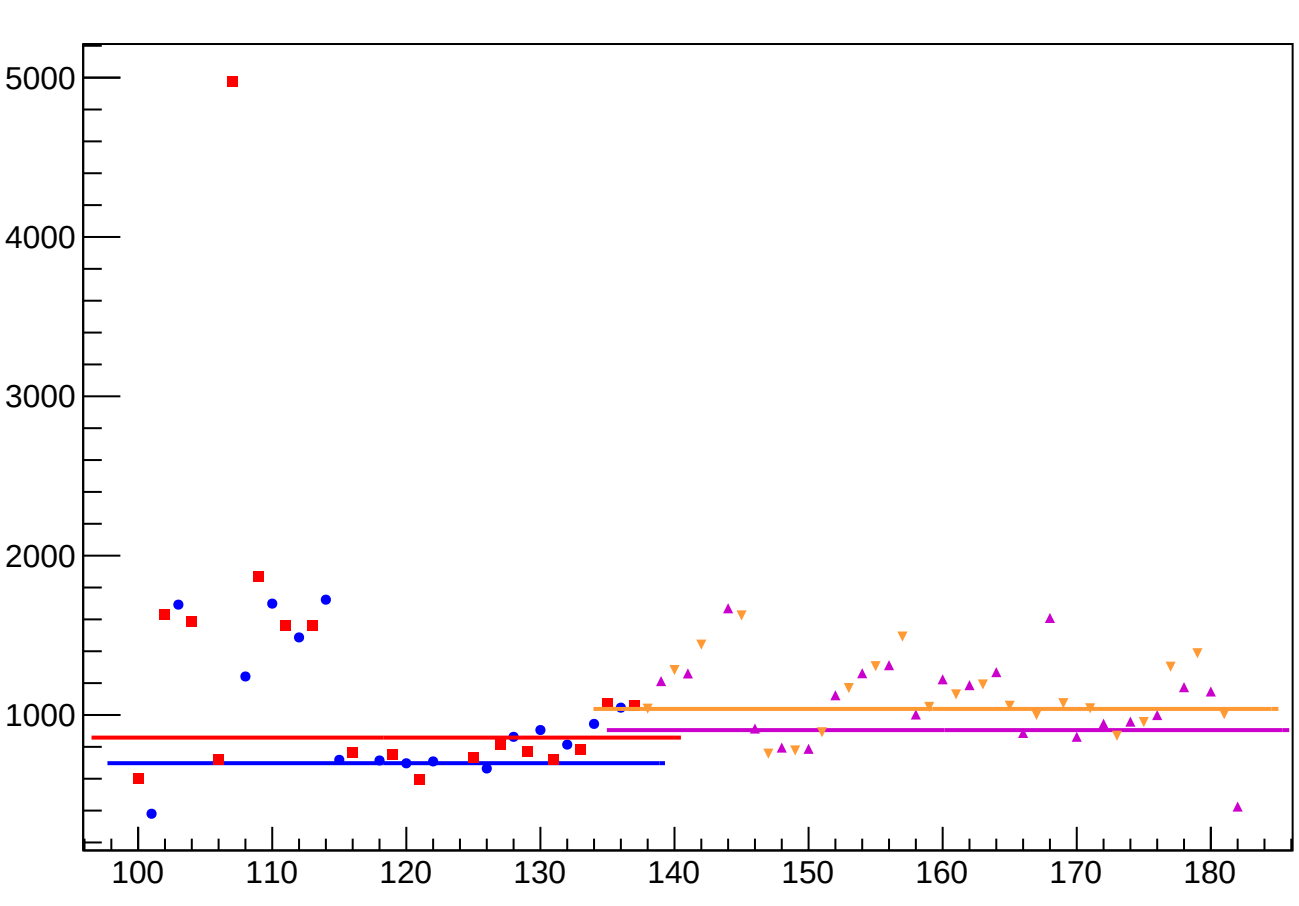
Left: -162.700+/-169.325 χ^2/NDF: 43.9/43

Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -196.971+/-177.792 χ^2/NDF:31.8/37

Out: -159.032+/-204.164 χ^2/NDF:50.8/39

All: -180.609+/-134.079 χ^2/NDF: 82.7/77



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1038.102+/-0.180 χ^2/NDF:1314557.0/21

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 905.133+/-0.160 χ^2/NDF:3852208.5/21

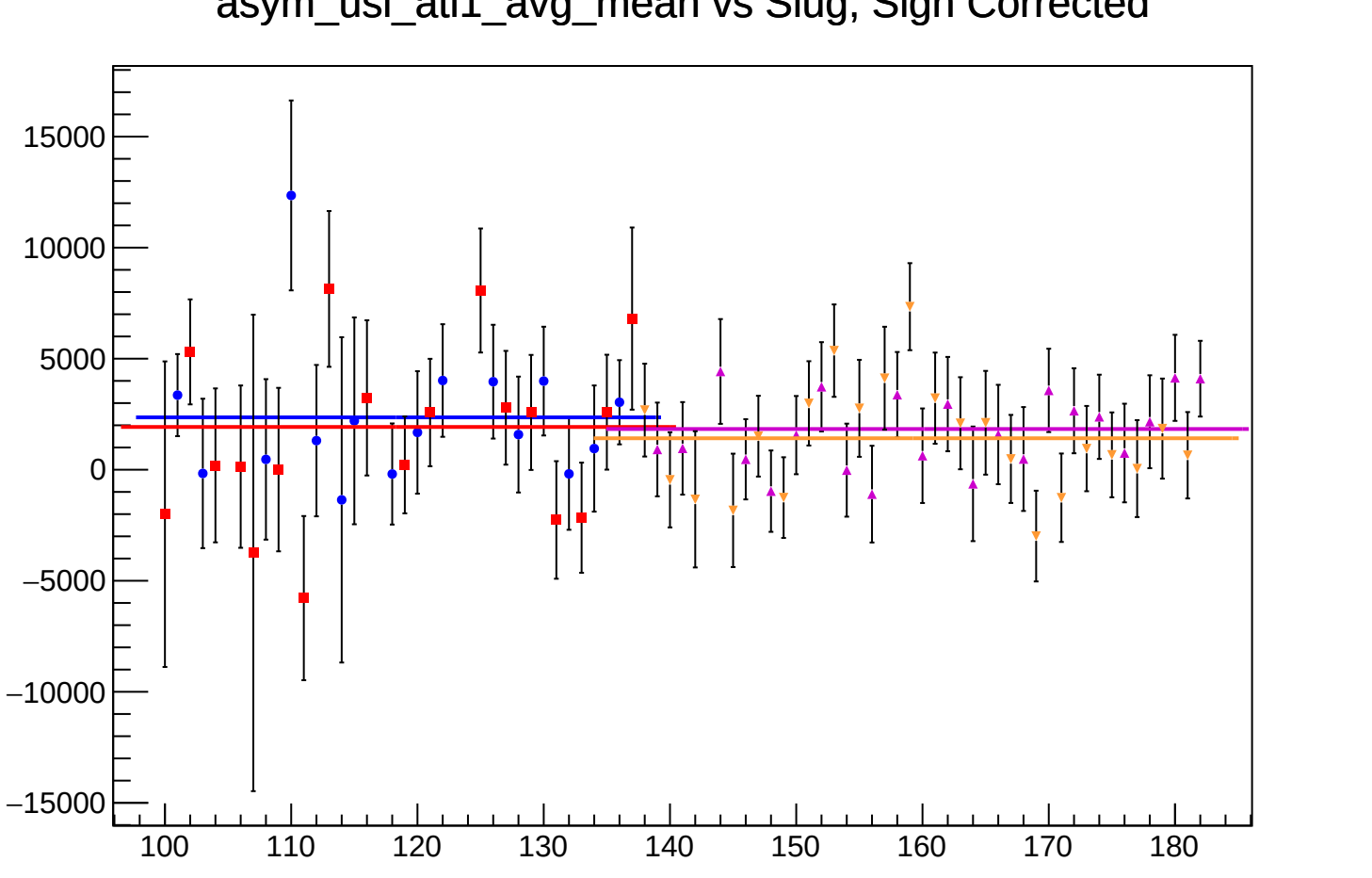
Left: 963.917+/-0.120 χ^2/NDF: 5470966.1/43

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 825.222+/-0.126 χ^2/NDF:6933487.4/37

Out: 973.790+/-0.144 χ^2/NDF:3553744.3/39

All: 889.297+/-0.095 χ^2/NDF: 11089535.6/77



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1416.045+/-443.125 χ^2/NDF:29.3/21

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1833.015+/-431.548 χ^2/NDF:15.1/21

Left: 1630.047+/-309.162 χ^2/NDF: 44.8/43

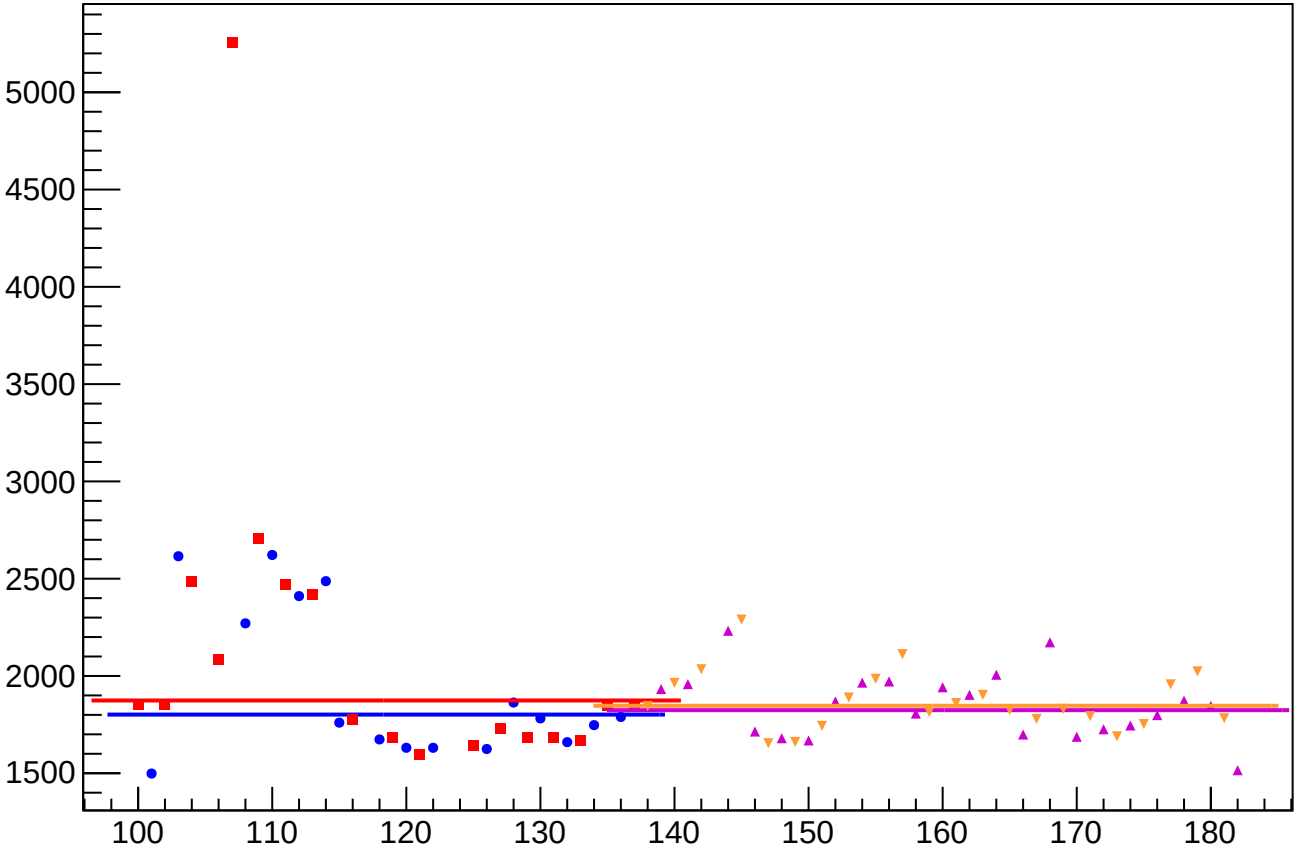
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1983.793+/-364.204 χ^2/NDF:26.5/37

Out: 1559.598+/-375.442 χ^2/NDF:53.1/39

All: 1778.139+/-261.414 χ^2/NDF: 80.3/77

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1846.877+/-0.313 χ^2/NDF:201847.4/21

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1824.167+/-0.305 χ^2/NDF:284395.1/21

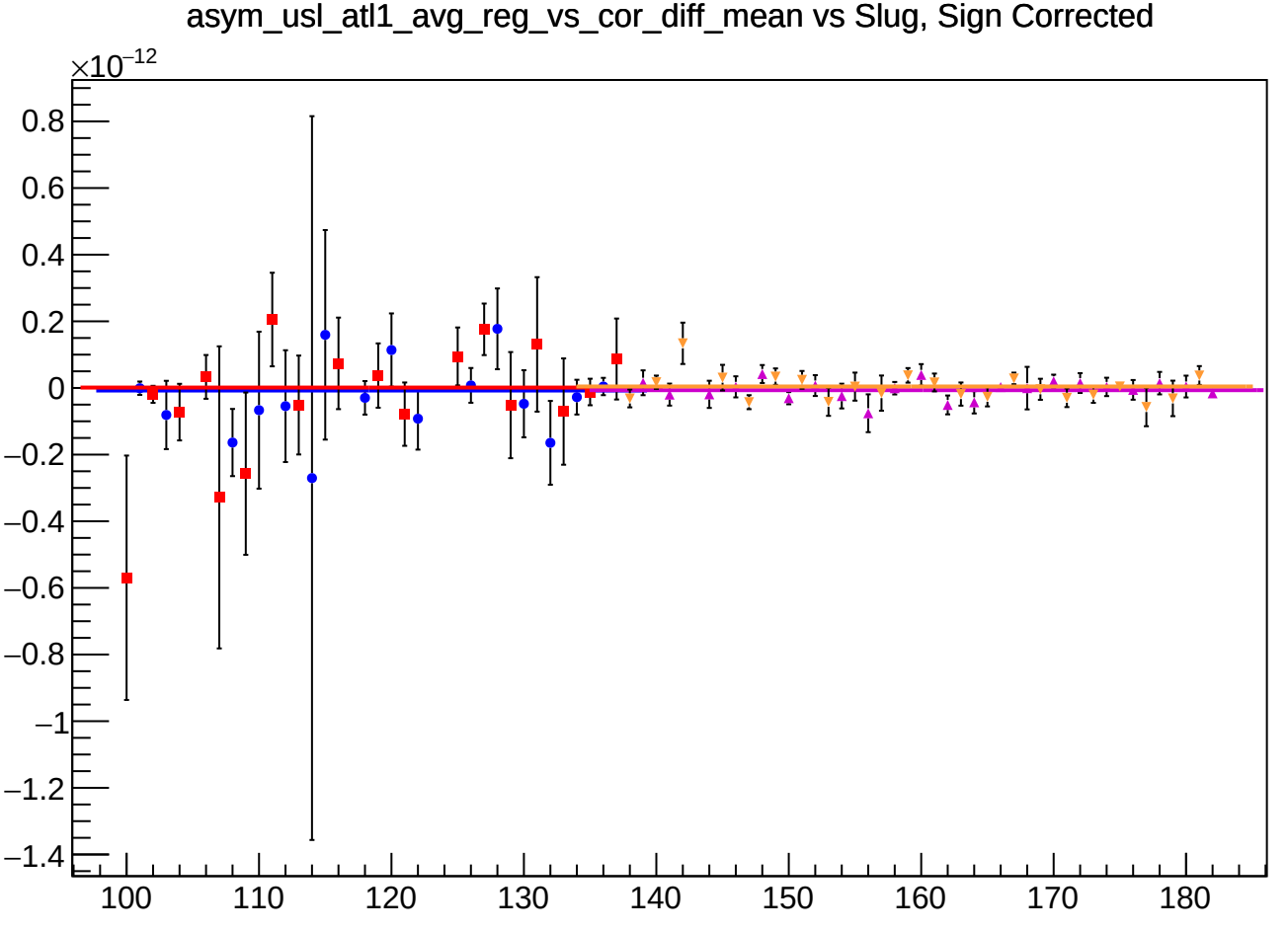
Left: 1835.221+/-0.219 χ^2/NDF: 488938.6/43

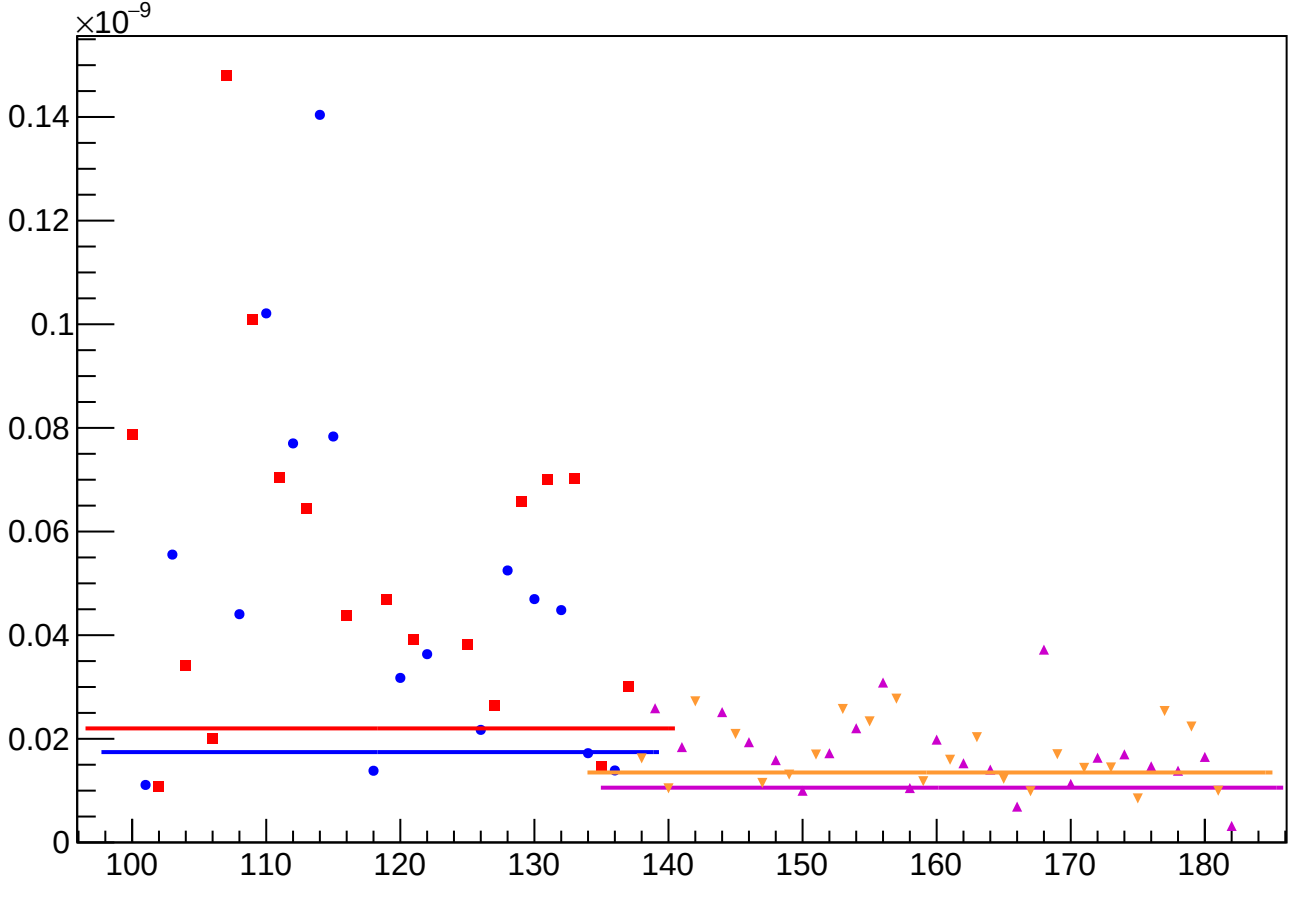
Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1817.653+/-0.258 χ^2/NDF:686681.3/37

Out: 1854.523+/-0.265 χ^2/NDF:773866.9/39

All: 1835.528+/-0.185 χ^2/NDF: 1470485.5/77


asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 10.2/15
Left Out: 0.000+/-0.000 χ²/NDF:26.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 16.7/17
Left In: -0.000+/-0.000 χ²/NDF:17.8/21
Left: -0.000+/-0.000 χ²/NDF: 46.8/43
Right: -0.000+/-0.000 χ²/NDF: 27.1/33
In: -0.000+/-0.000 χ²/NDF:28.1/37
Out: 0.000+/-0.000 χ²/NDF:43.5/39
All: -0.000+/-0.000 χ²/NDF: 73.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1340165.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:3983607.7/21

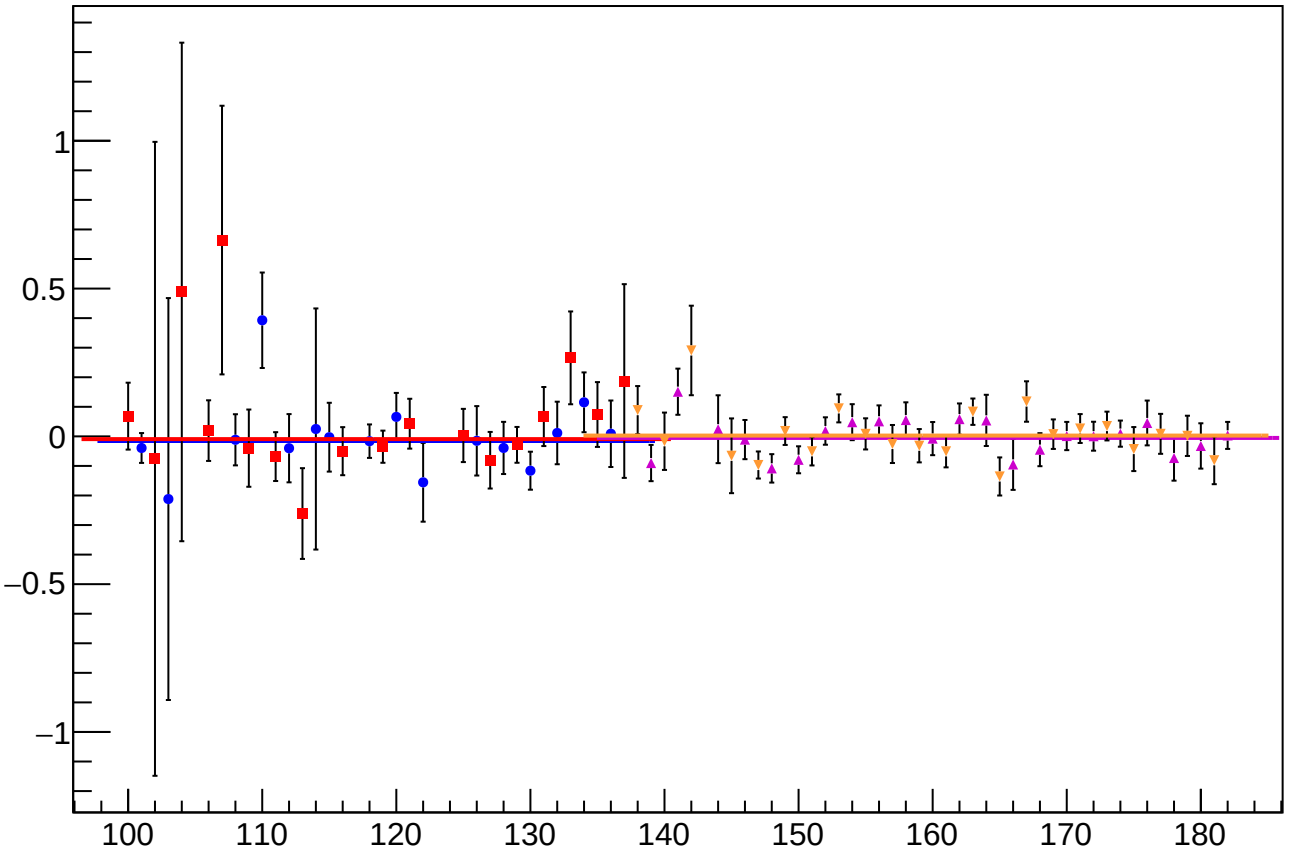
Left: 0.000+/-0.000 χ^2/NDF: 5628480.0/43

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:6303925.9/37

Out: 0.000+/-0.000 χ^2/NDF:3881727.4/39

All: 0.000+/-0.000 χ^2/NDF: 10530098.8/77



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.012 χ^2/NDF:29.3/21

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.012 χ^2/NDF:21.4/21

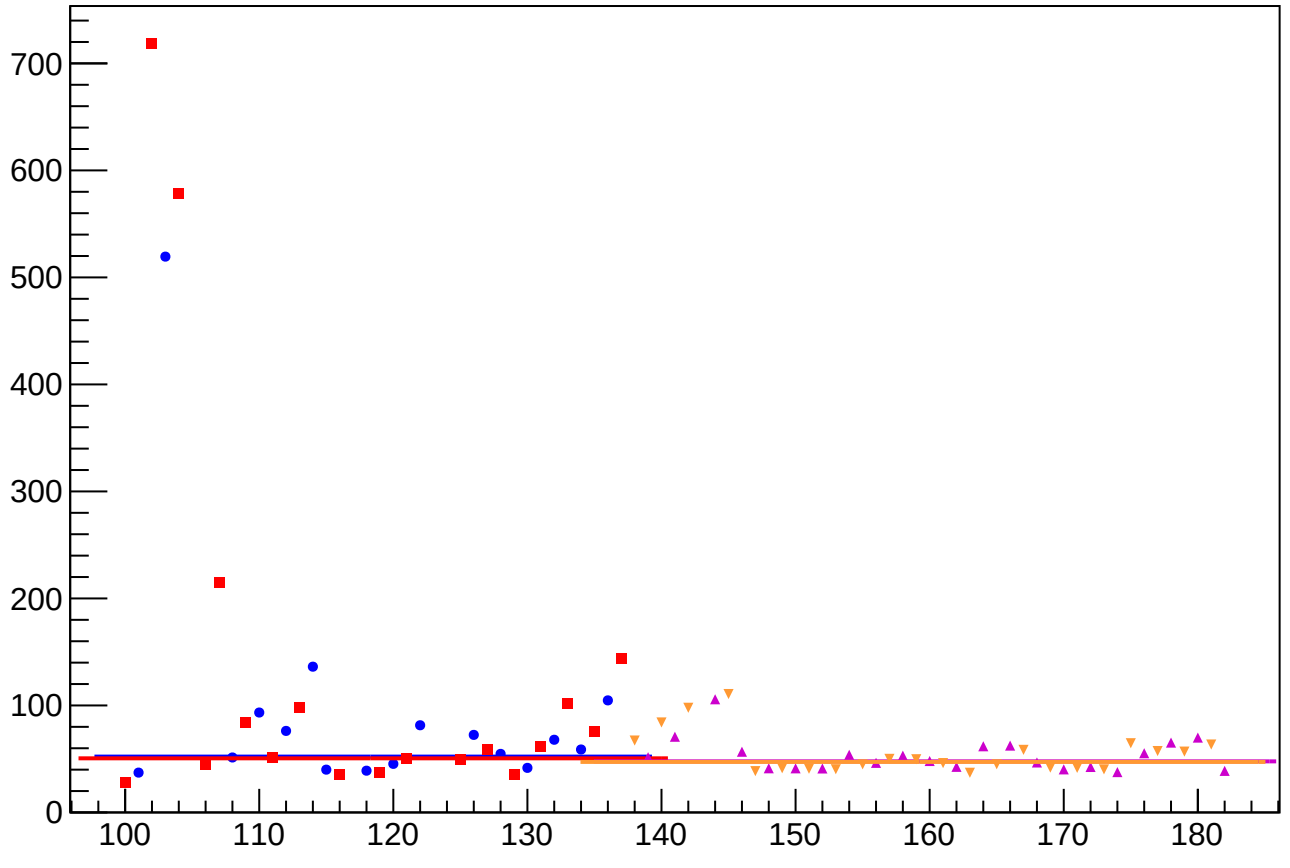
Left: -0.001+/-0.009 χ^2/NDF: 50.9/43

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.7/37

Out: 0.000+/-0.011 χ^2/NDF:42.0/39

All: -0.004+/-0.008 χ^2/NDF: 77.0/77



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.236+/-0.009 χ^2/NDF:1853679.2/21

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.750+/-0.009 χ^2/NDF:1559442.5/21

Left: 47.498+/-0.006 χ^2/NDF: 3414846.9/43

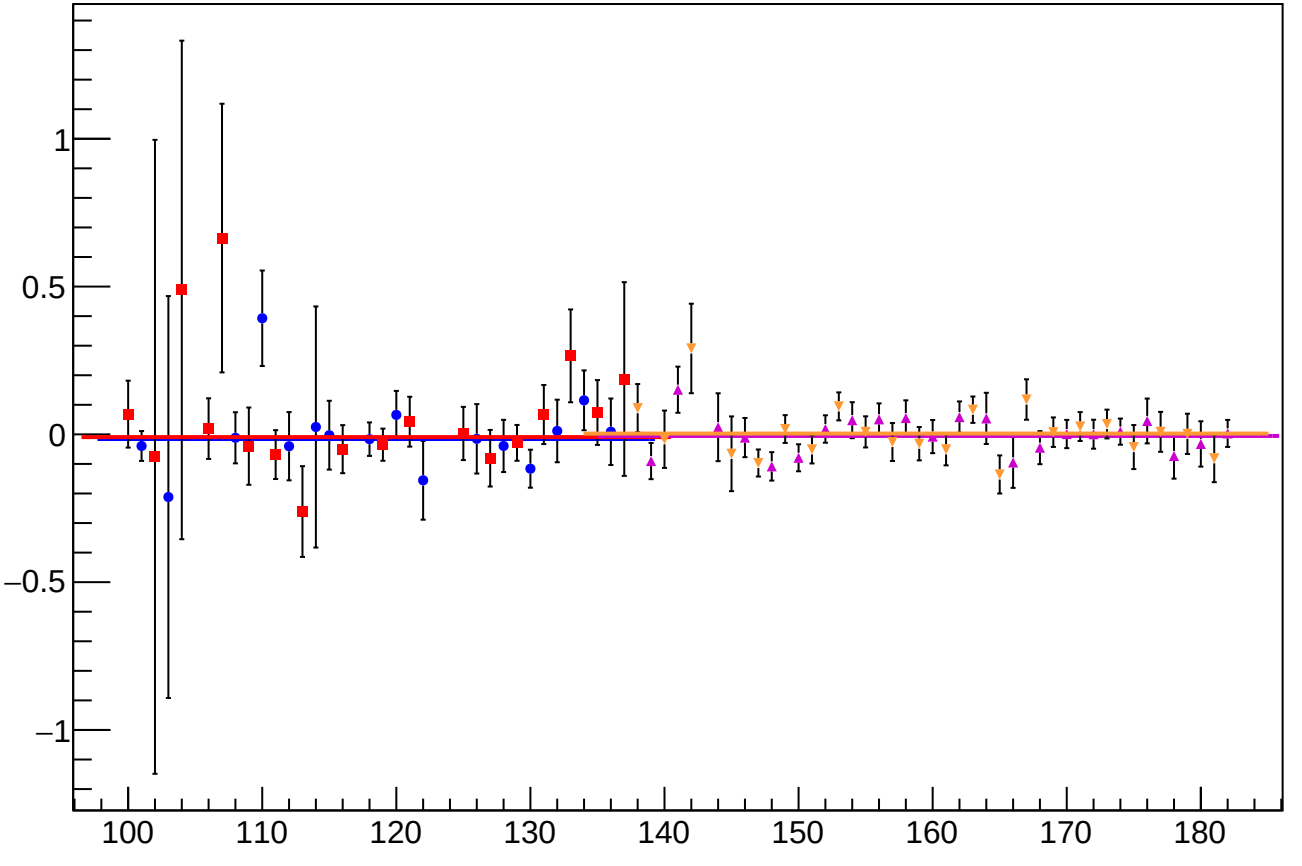
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.760+/-0.008 χ^2/NDF:3885790.5/37

Out: 47.969+/-0.008 χ^2/NDF:4936466.1/39

All: 48.373+/-0.005 χ^2/NDF: 8827503.2/77

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.012 χ^2/NDF:29.3/21

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.012 χ^2/NDF:21.4/21

Left: -0.001+/-0.009 χ^2/NDF: 50.9/43

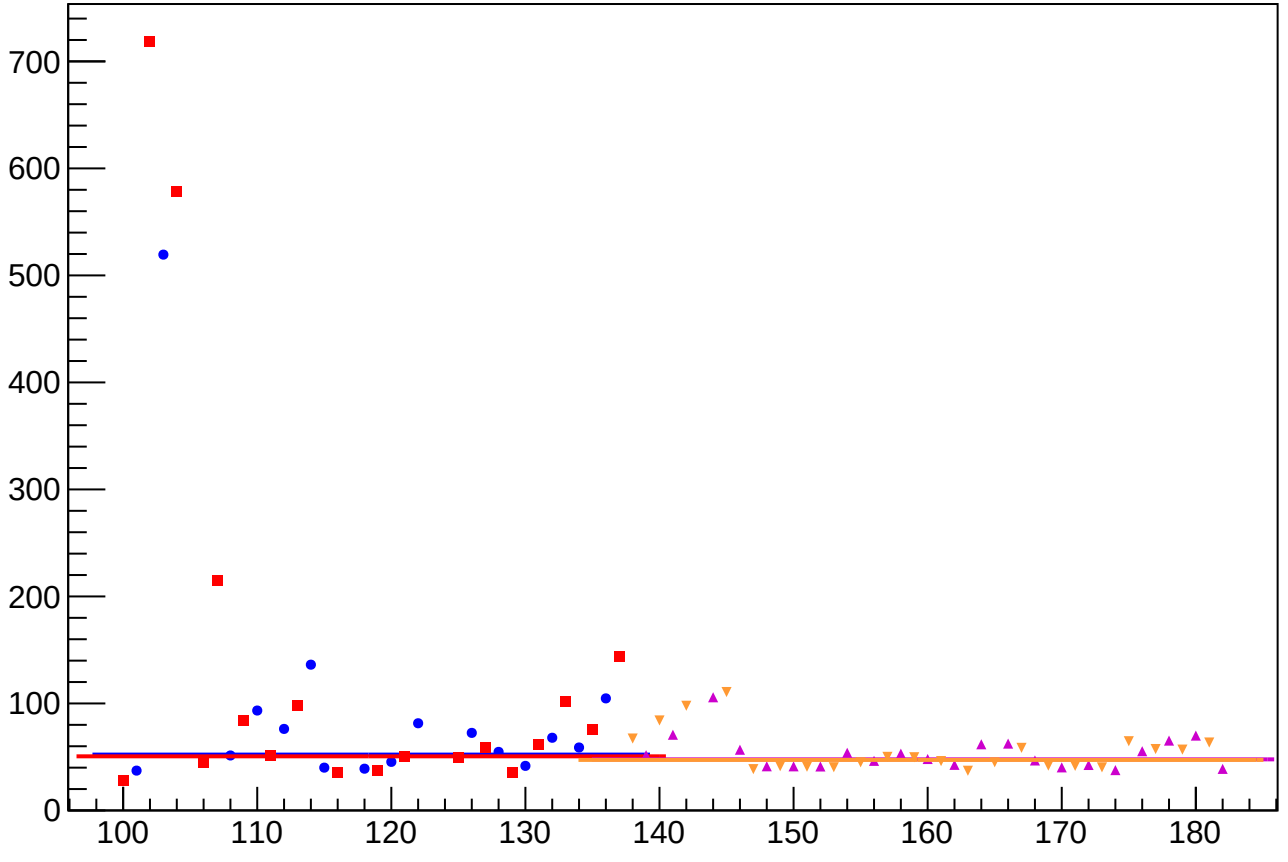
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.7/37

Out: 0.000+/-0.011 χ^2/NDF:42.0/39

All: -0.004+/-0.008 χ^2/NDF: 77.0/77

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.236+/-0.009 χ^2/NDF:1853679.2/21

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.750+/-0.009 χ^2/NDF:1559442.5/21

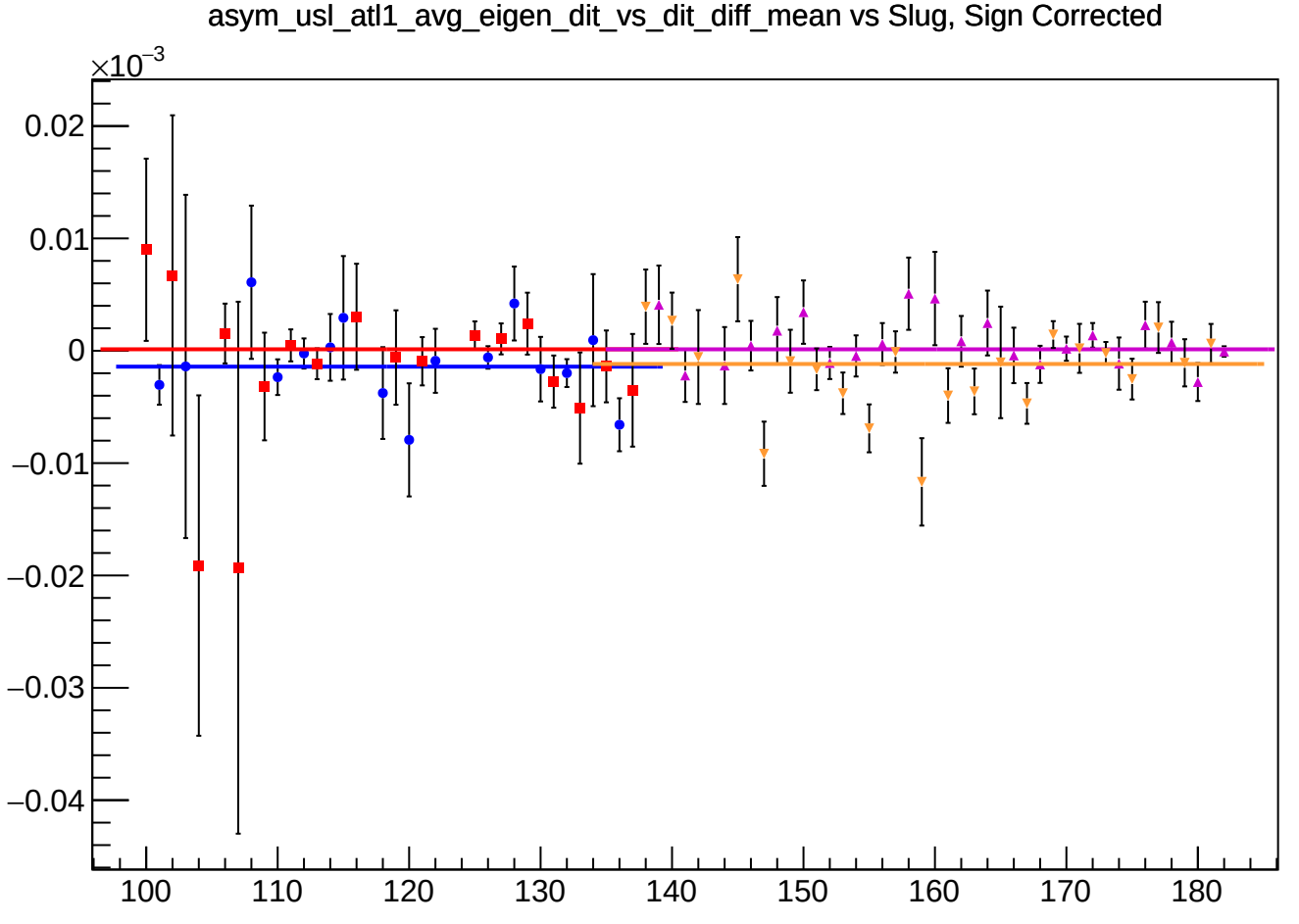
Left: 47.498+/-0.006 χ^2/NDF: 3414846.9/43

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.760+/-0.008 χ^2/NDF:3885790.5/37

Out: 47.969+/-0.008 χ^2/NDF:4936466.1/39

All: 48.373+/-0.005 χ^2/NDF: 8827503.2/77



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:16.0/21

Left: -0.000+/-0.000 χ^2/NDF: 72.0/43

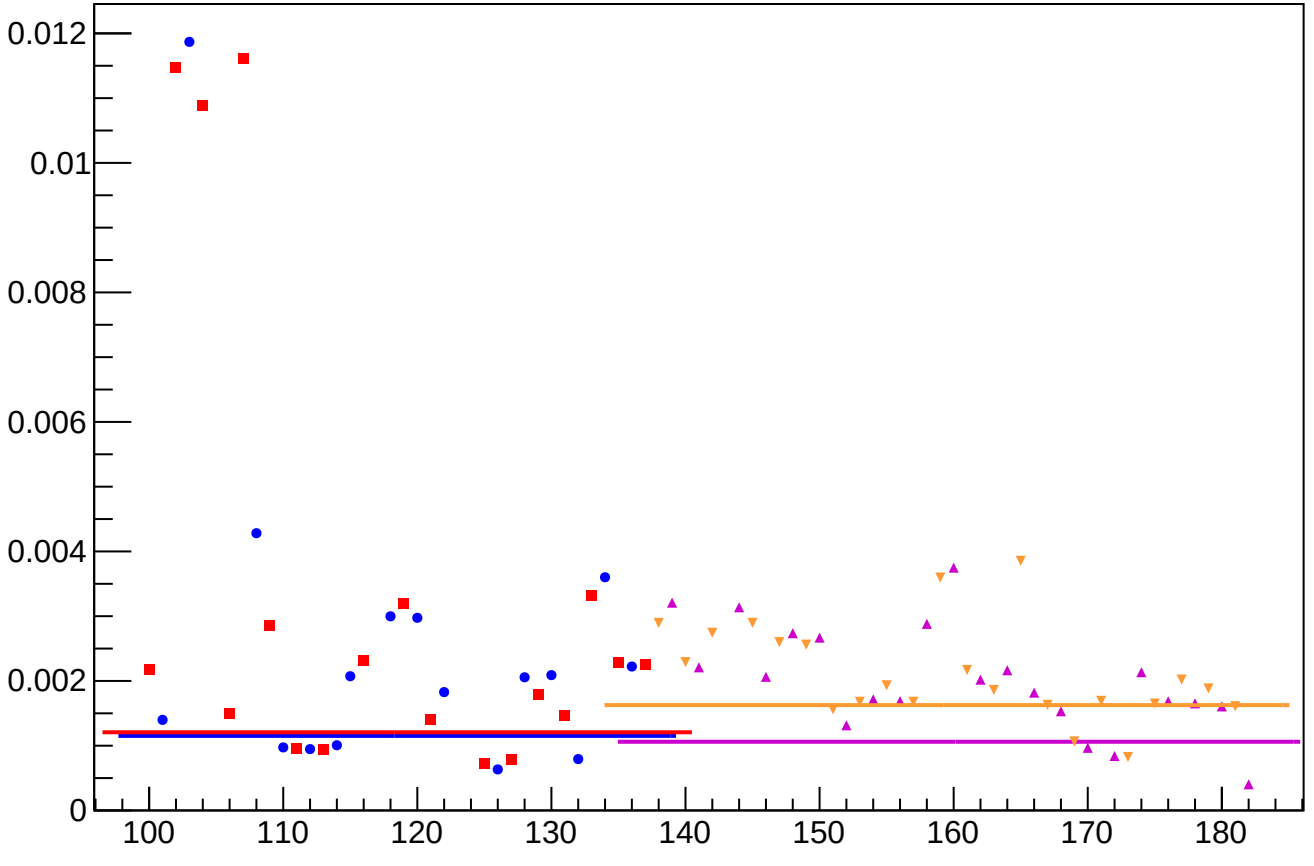
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:37.4/37

Out: -0.000+/-0.000 χ^2/NDF:65.0/39

All: -0.000+/-0.000 χ^2/NDF: 103.3/77

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:4202187.9/21

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.001+/-0.000 χ^2/NDF:11810958.6/21

Left: 0.001+/-0.000 χ^2/NDF: 18317168.8/43

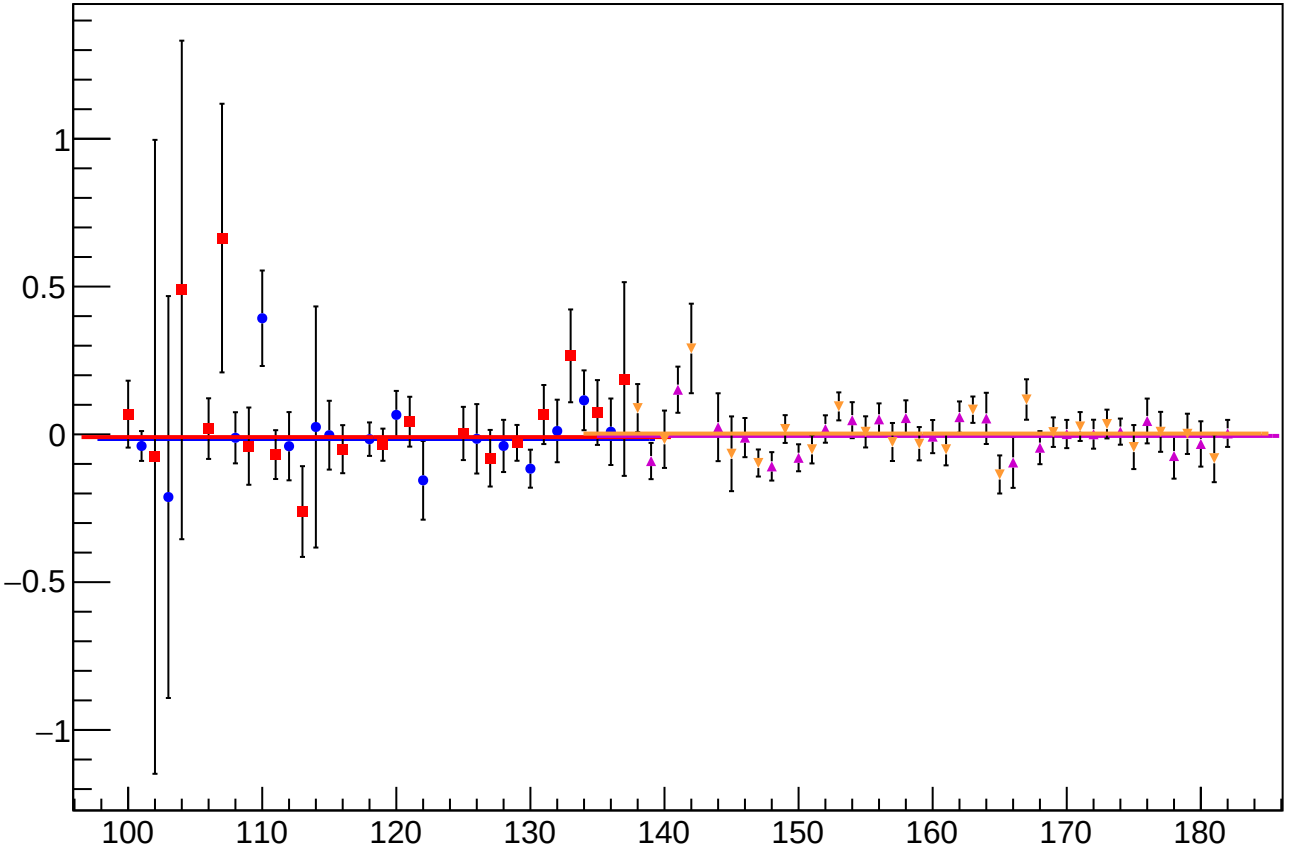
Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:16043907.4/37

Out: 0.001+/-0.000 χ^2/NDF:9441565.9/39

All: 0.001+/-0.000 χ^2/NDF: 27102695.3/77

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.012 χ^2/NDF:29.3/21

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.012 χ^2/NDF:21.4/21

Left: -0.001+/-0.009 χ^2/NDF: 50.9/43

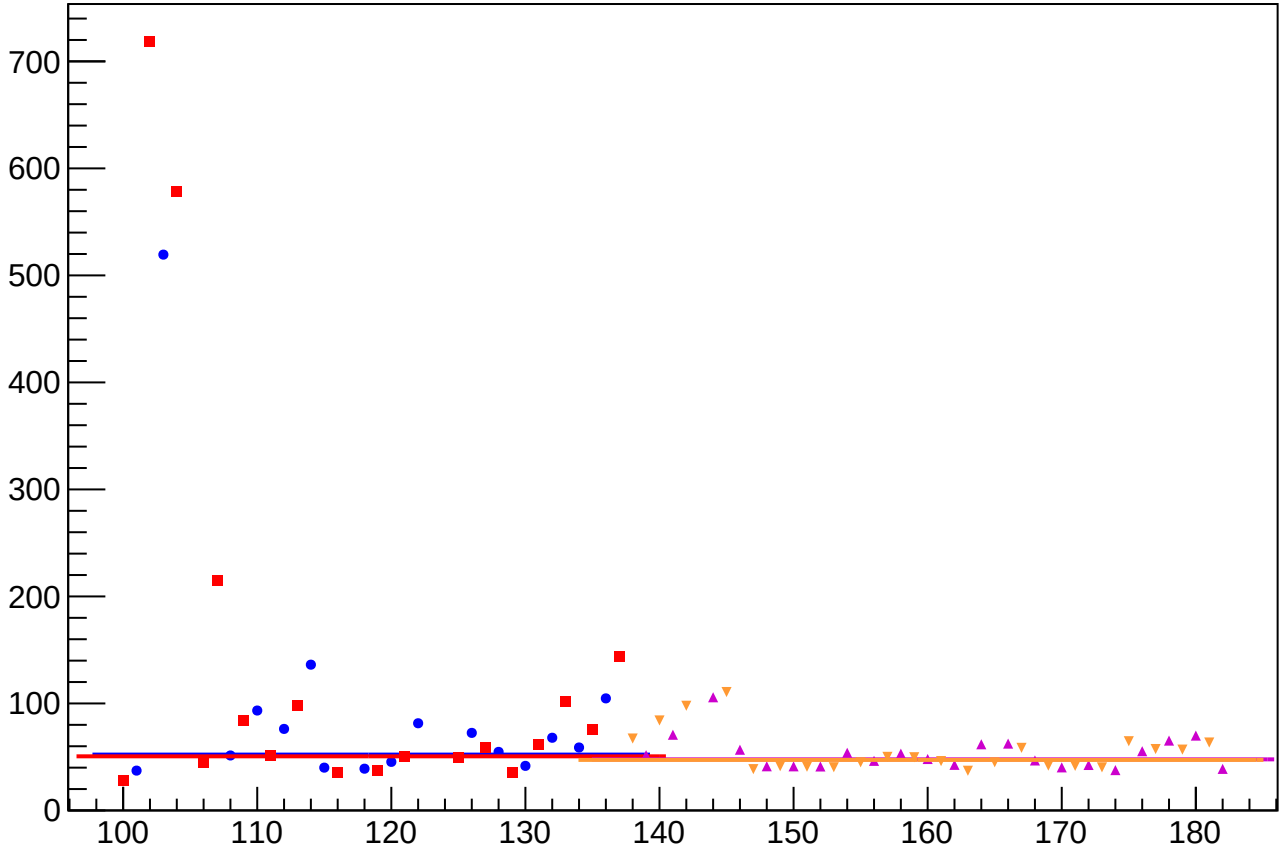
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.7/37

Out: 0.000+/-0.011 χ^2/NDF:42.0/39

All: -0.004+/-0.008 χ^2/NDF: 77.0/77

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.236+/-0.009 χ^2/NDF:1853662.1/21

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.751+/-0.009 χ^2/NDF:1559450.7/21

Left: 47.498+/-0.006 χ^2/NDF: 3414837.3/43

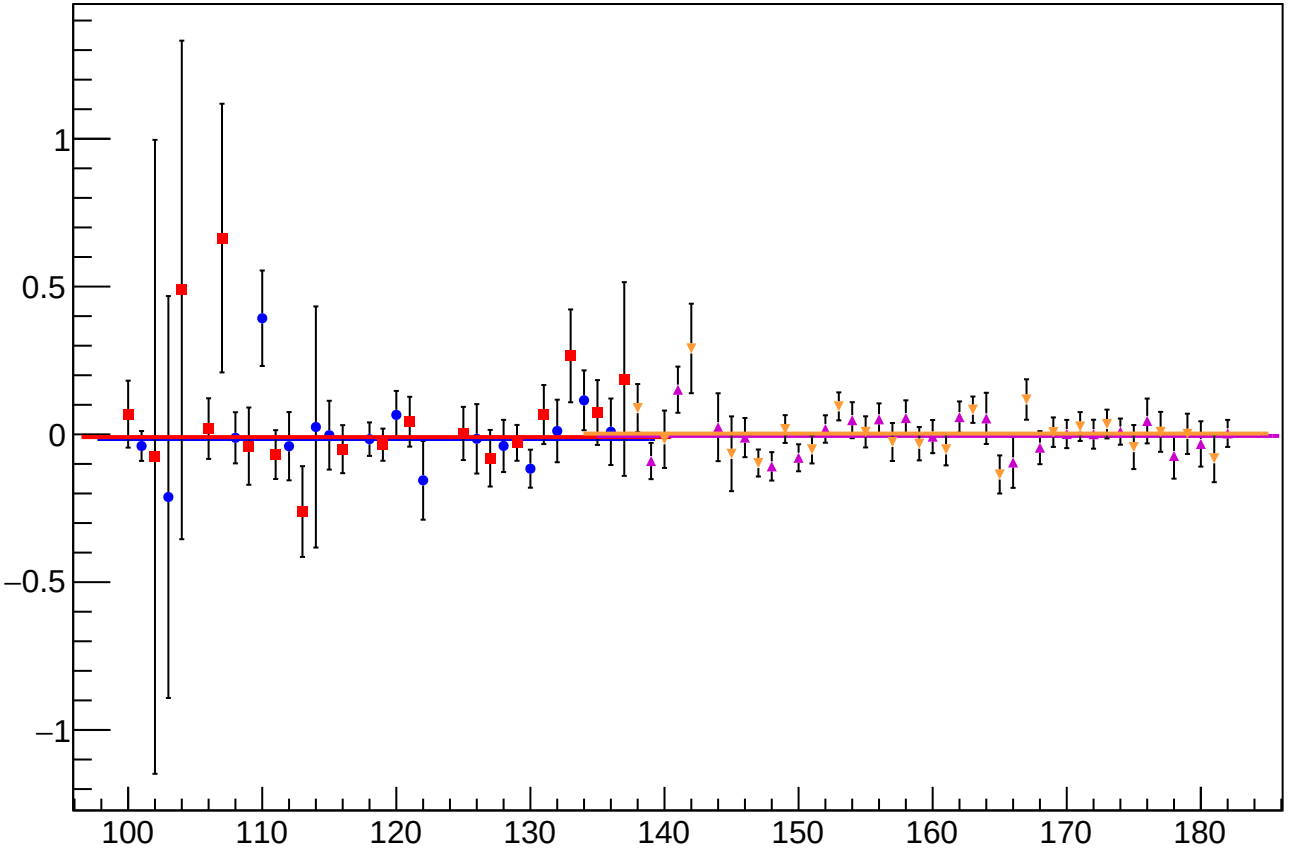
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.760+/-0.008 χ^2/NDF:3885787.0/37

Out: 47.969+/-0.008 χ^2/NDF:4936425.3/39

All: 48.374+/-0.005 χ^2/NDF: 8827457.9/77

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: 0.003+/-0.012 χ^2/NDF:29.3/21

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.012 χ^2/NDF:21.4/21

Left: -0.001+/-0.009 χ^2/NDF: 50.9/43

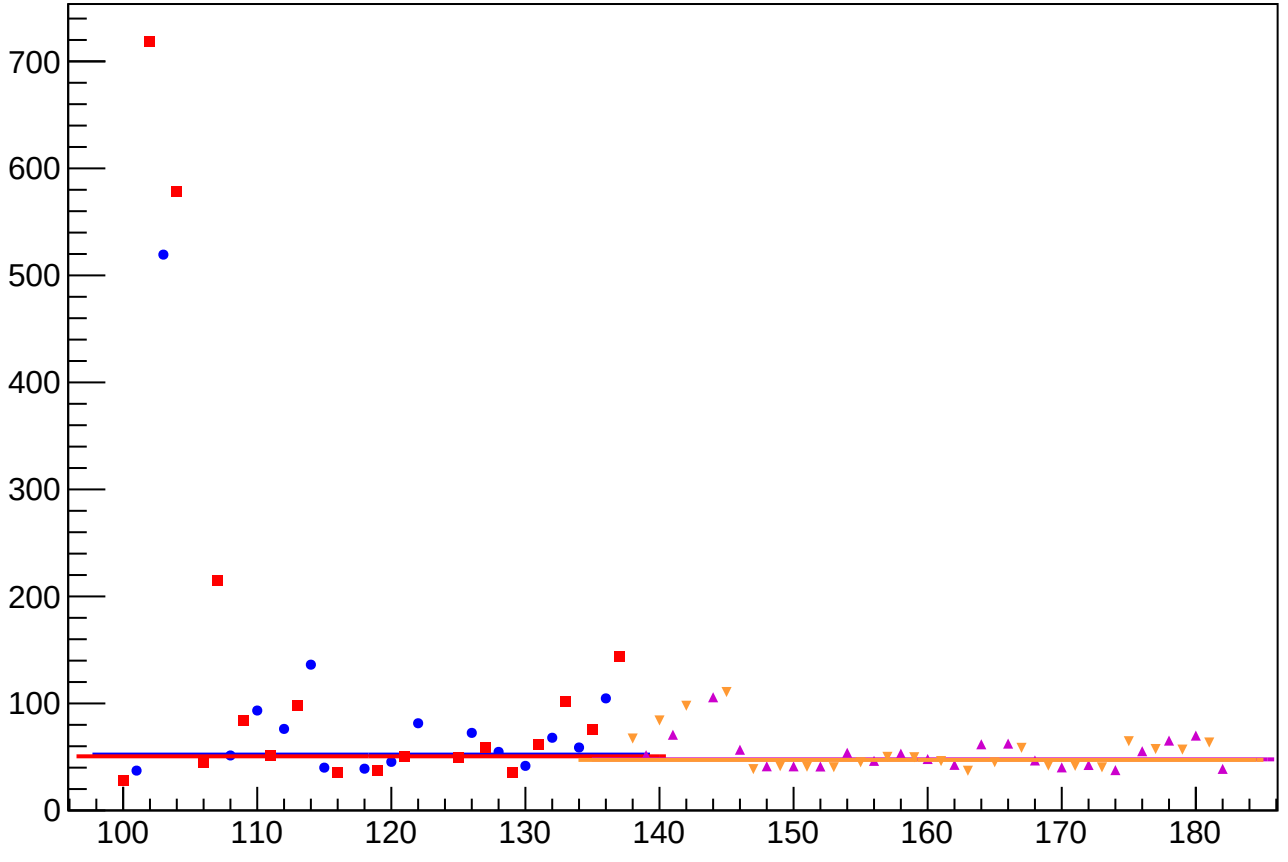
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.7/37

Out: 0.000+/-0.011 χ^2/NDF:42.0/39

All: -0.004+/-0.008 χ^2/NDF: 77.0/77

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: 47.236+/-0.009 χ^2/NDF:1853662.1/21

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.751+/-0.009 χ^2/NDF:1559450.7/21

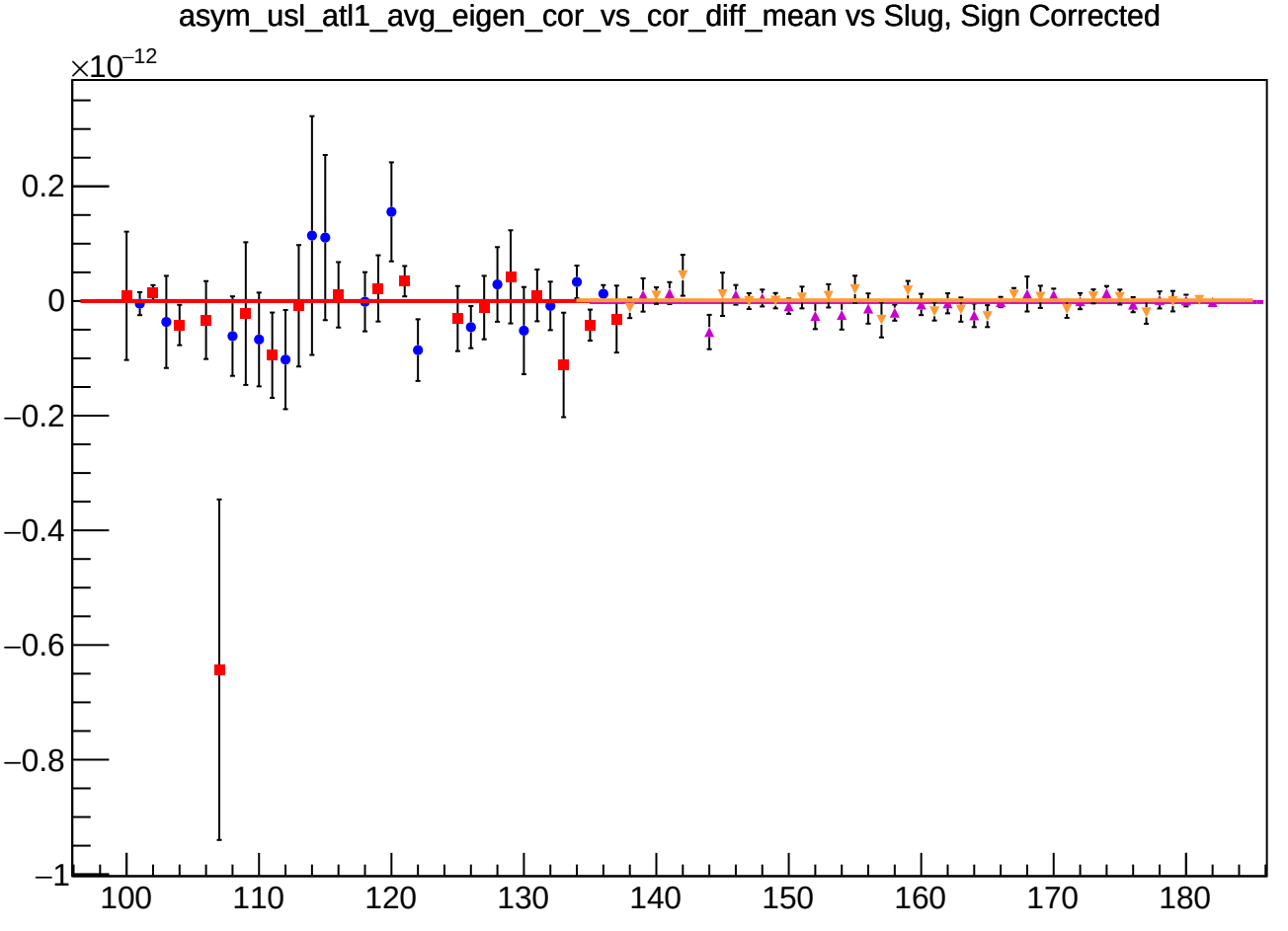
Left: 47.498+/-0.006 χ^2/NDF: 3414837.3/43

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.760+/-0.008 χ^2/NDF:3885787.0/37

Out: 47.969+/-0.008 χ^2/NDF:4936425.3/39

All: 48.374+/-0.005 χ^2/NDF: 8827457.9/77



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.3/21

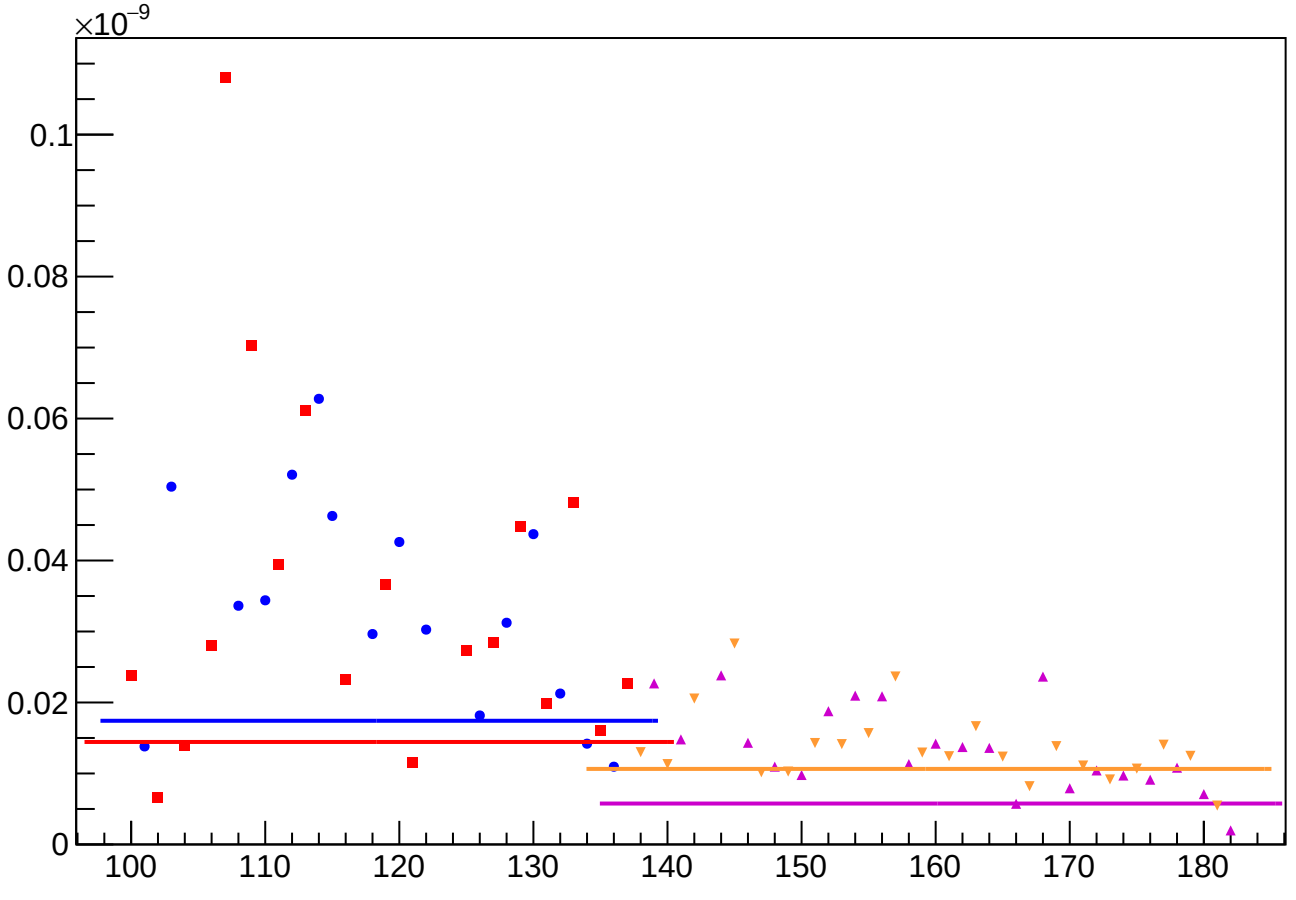
Left: -0.000+/-0.000 χ^2/NDF: 26.9/43

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:27.4/37

Out: 0.000+/-0.000 χ^2/NDF:29.1/39

All: -0.000+/-0.000 χ^2/NDF: 57.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2727068.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:11162652.0/21

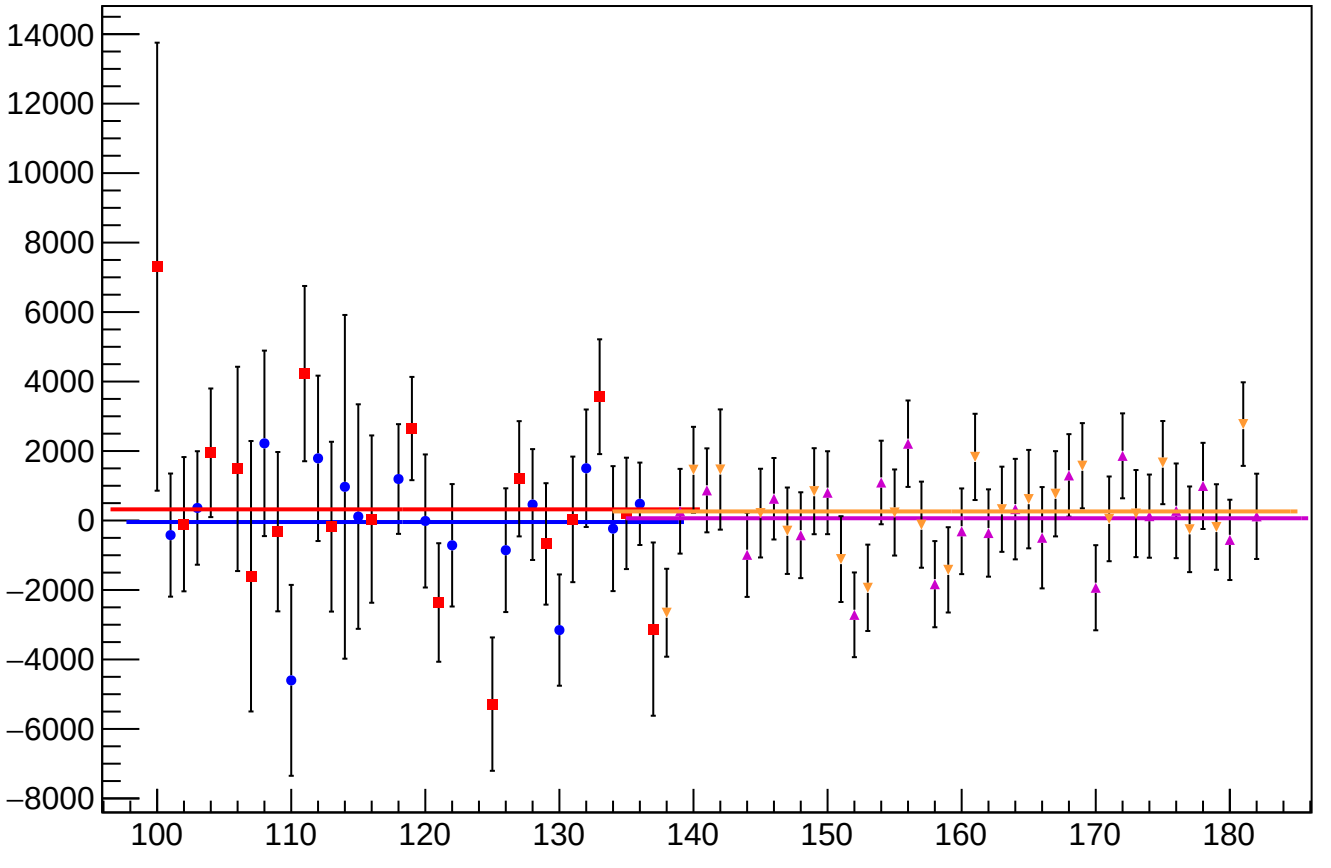
Left: 0.000+/-0.000 χ^2/NDF: 16931949.9/43

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:16309915.3/37

Out: 0.000+/-0.000 χ^2/NDF:6304899.0/39

All: 0.000+/-0.000 χ^2/NDF: 25786632.5/77



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 261.345+/-267.732 χ^2/NDF:22.6/21

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 64.537+/-263.871 χ^2/NDF:20.4/21

Left: 161.511+/-187.935 χ^2/NDF: 43.2/43

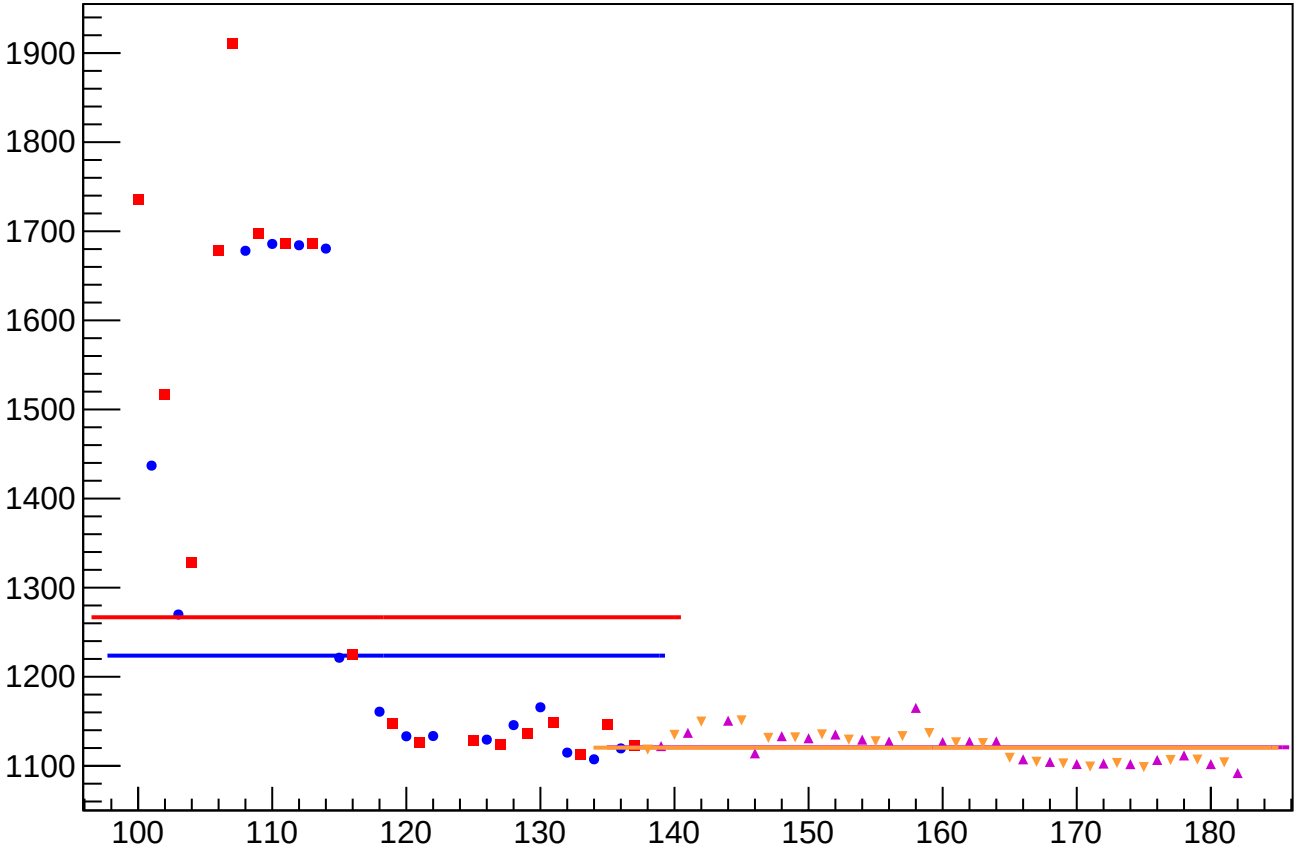
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 37.675+/-228.790 χ^2/NDF:30.5/37

Out: 275.795+/-233.227 χ^2/NDF:47.4/39

All: 154.448+/-163.325 χ^2/NDF: 78.4/77

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1120.438+/-0.189 χ^2/NDF:6831.6/21

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1120.821+/-0.187 χ^2/NDF:9039.6/21

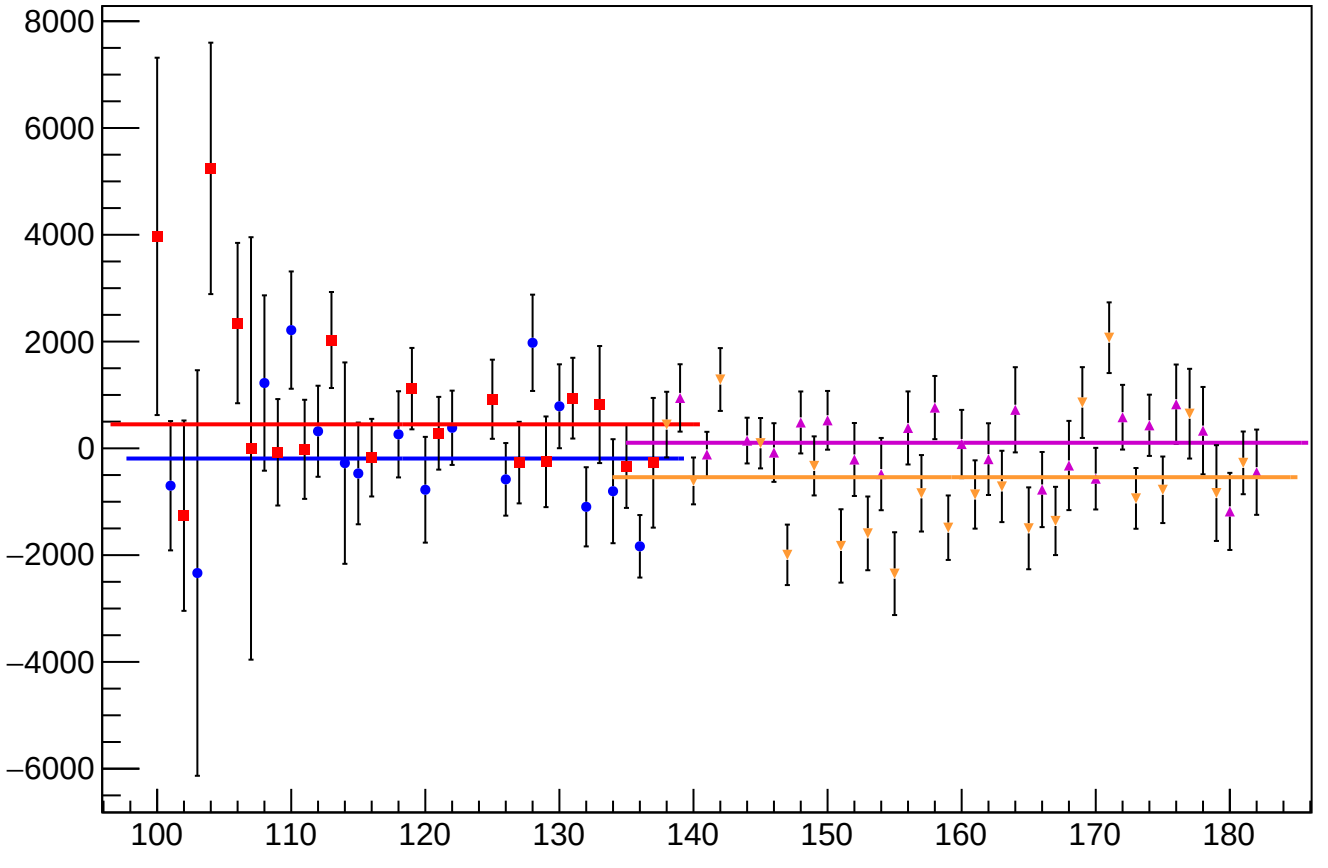
Left: 1120.632+/-0.133 χ^2/NDF: 15873.3/43

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1146.358+/-0.162 χ^2/NDF:379476.4/37

Out: 1155.728+/-0.165 χ^2/NDF:583771.4/39

All: 1150.953+/-0.115 χ^2/NDF: 964892.8/77



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -540.265+/-132.692 χ^2/NDF:61.2/21

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 104.422+/-131.663 χ^2/NDF:15.1/21

Left: -215.412+/-93.462 χ^2/NDF: 88.2/43

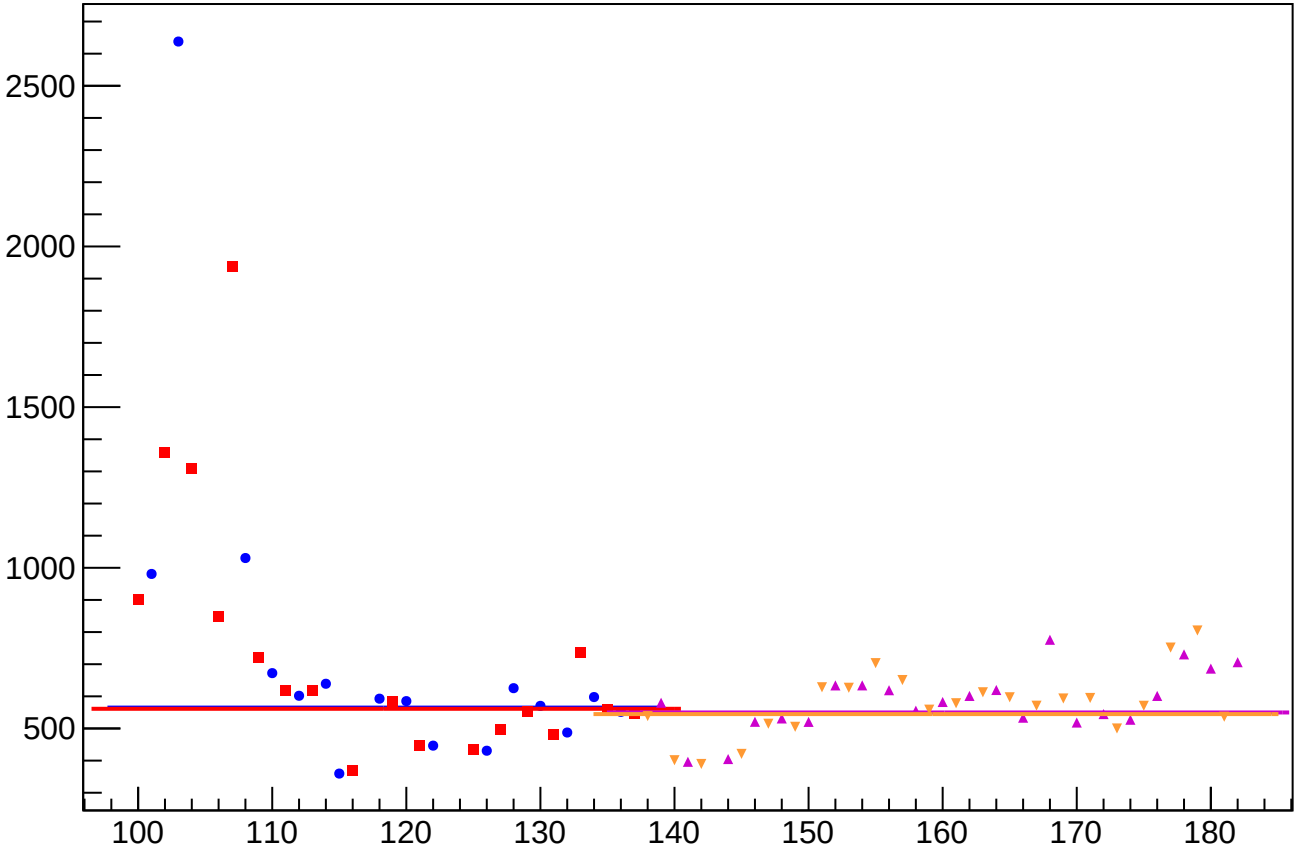
Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 28.087+/-113.359 χ^2/NDF:41.7/37

Out: -281.716+/-114.059 χ^2/NDF:92.6/39

All: -125.862+/-80.403 χ^2/NDF: 137.9/77

asym_usl_atl1_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 544.750+/-0.094 χ^2/NDF:1060317.6/21

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 549.810+/-0.093 χ^2/NDF:1036311.9/21

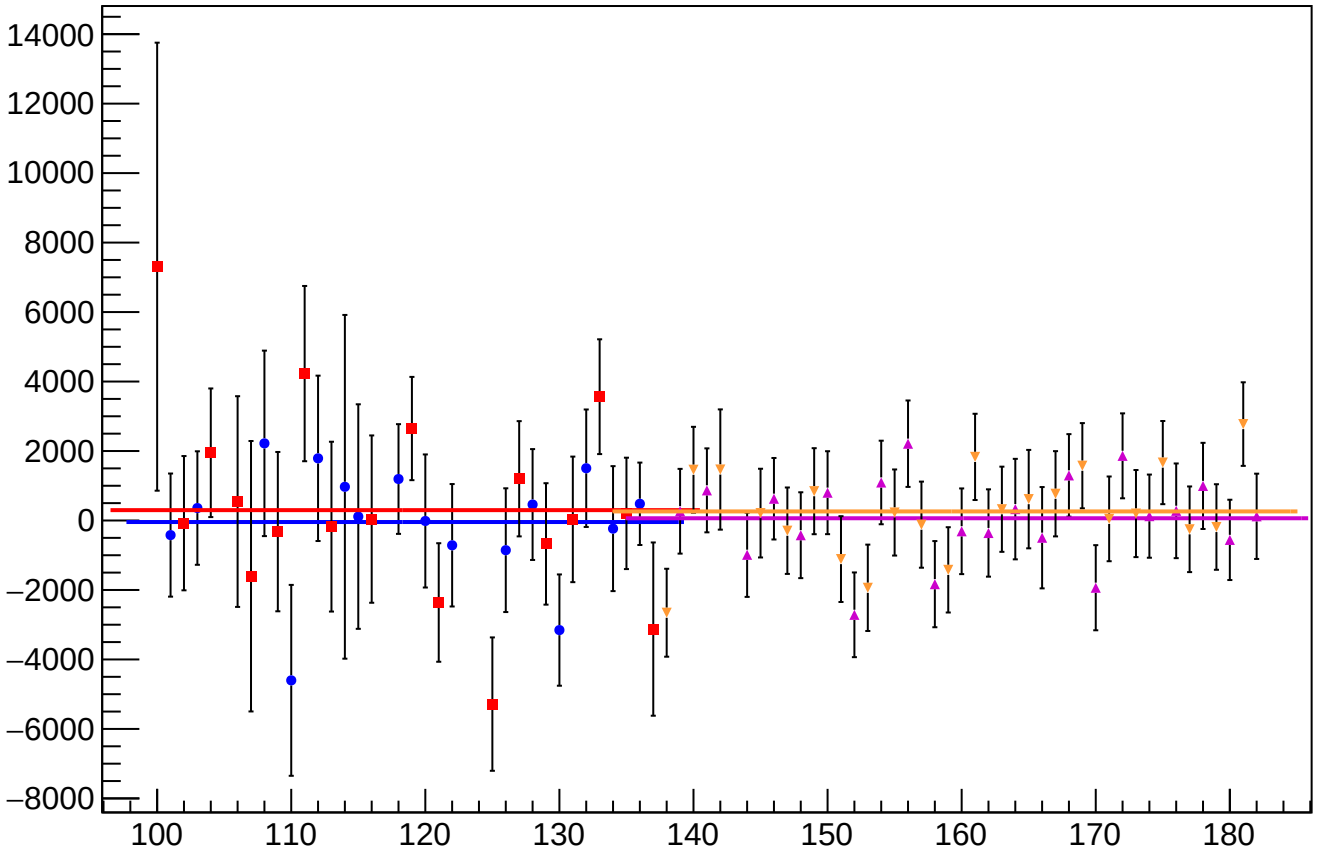
Left: 547.299+/-0.066 χ^2/NDF: 2098094.9/43

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 553.729+/-0.080 χ^2/NDF:2327640.9/37

Out: 549.057+/-0.081 χ^2/NDF:2420626.1/39

All: 551.407+/-0.057 χ^2/NDF: 4749955.2/77



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 261.396+/-267.732 χ^2/NDF:22.6/21

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 64.525+/-263.871 χ^2/NDF:20.4/21

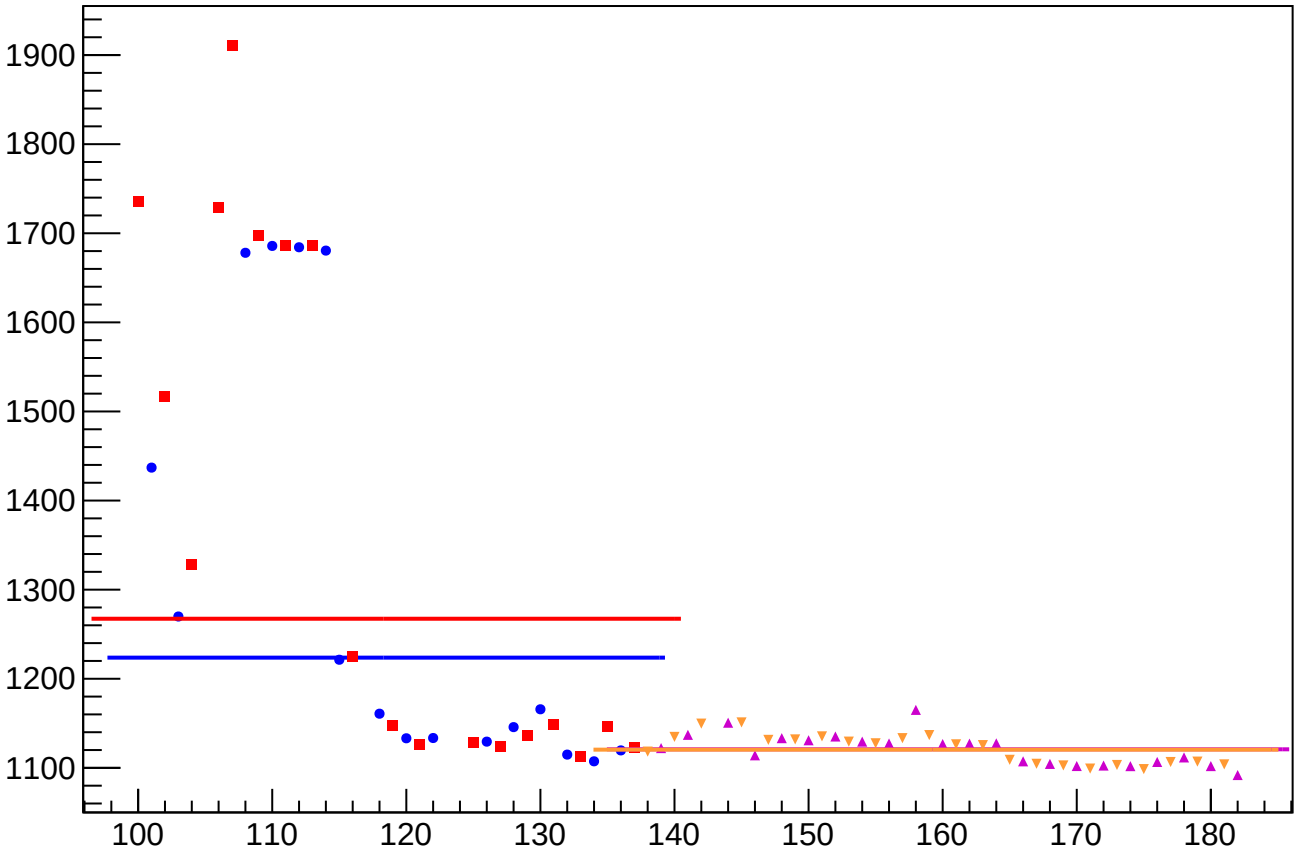
Left: 161.530+/-187.935 χ^2/NDF: 43.2/43

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 37.607+/-228.790 χ^2/NDF:30.5/37

Out: 270.262+/-233.272 χ^2/NDF:47.2/39

All: 151.678+/-163.341 χ^2/NDF: 78.2/77



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1120.438+/-0.189 χ^2/NDF:6831.6/21

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1120.821+/-0.187 χ^2/NDF:9039.6/21

Left: 1120.632+/-0.133 χ^2/NDF: 15873.3/43

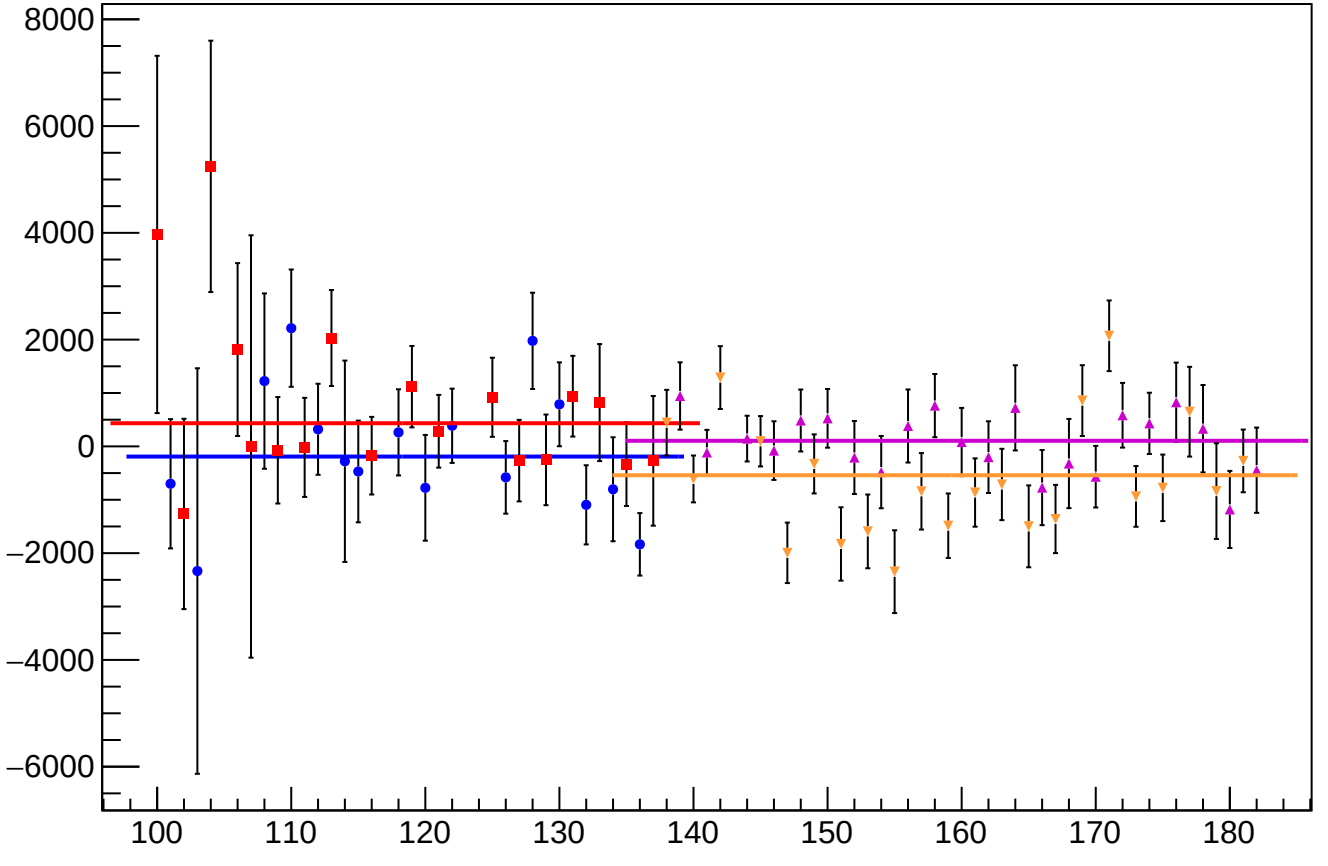
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1146.358+/-0.162 χ^2/NDF:379476.5/37

Out: 1155.826+/-0.165 χ^2/NDF:591885.5/39

All: 1151.000+/-0.115 χ^2/NDF: 973041.3/77

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: -540.281+/-132.692 χ^2/NDF:61.2/21

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 104.411+/-131.663 χ^2/NDF:15.1/21

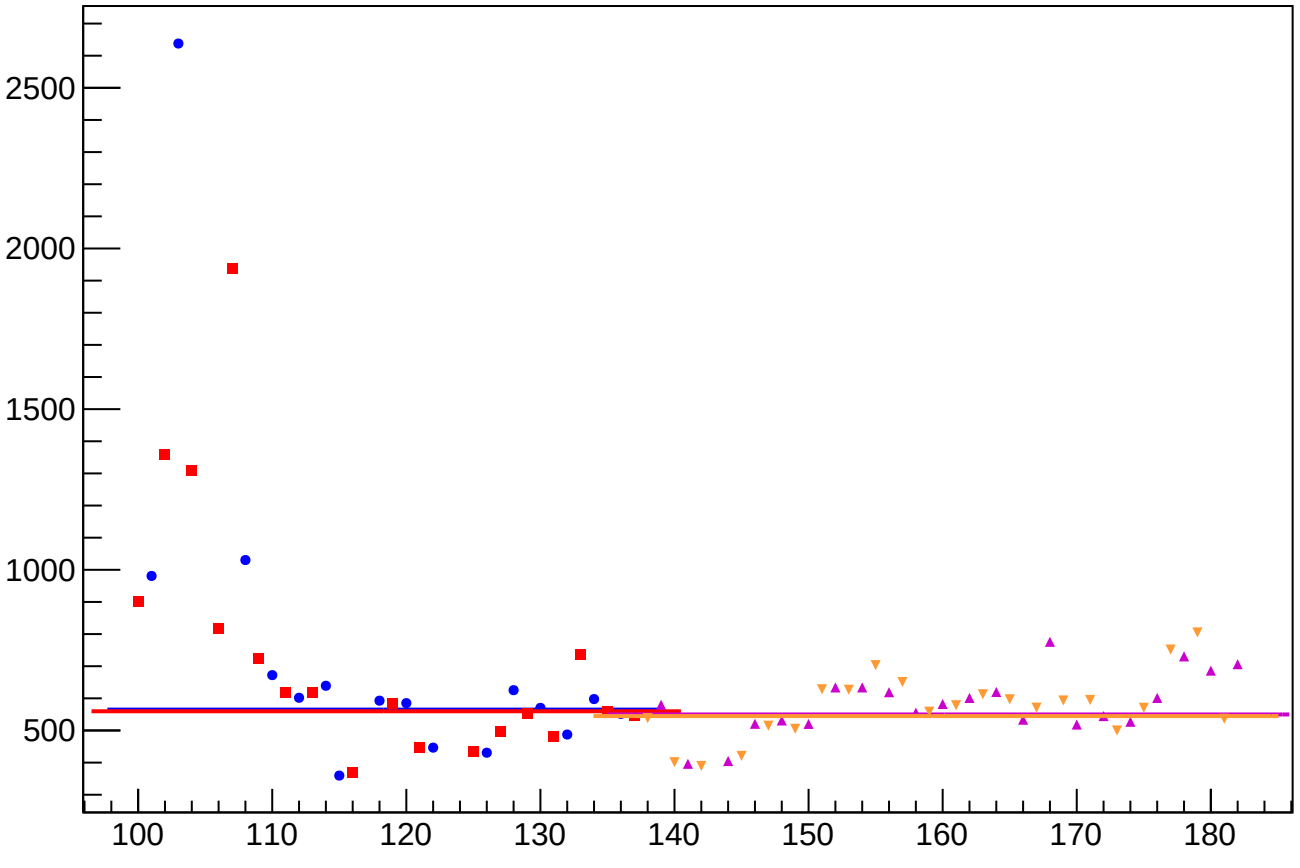
Left: -215.425+/-93.461 χ^2/NDF: 88.2/43

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 28.076+/-113.359 χ^2/NDF:41.7/37

Out: -286.478+/-114.105 χ^2/NDF:91.2/39

All: -128.170+/-80.419 χ^2/NDF: 136.7/77



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 544.749+/-0.094 χ^2/NDF:1060317.8/21

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 549.809+/-0.093 χ^2/NDF:1036280.3/21

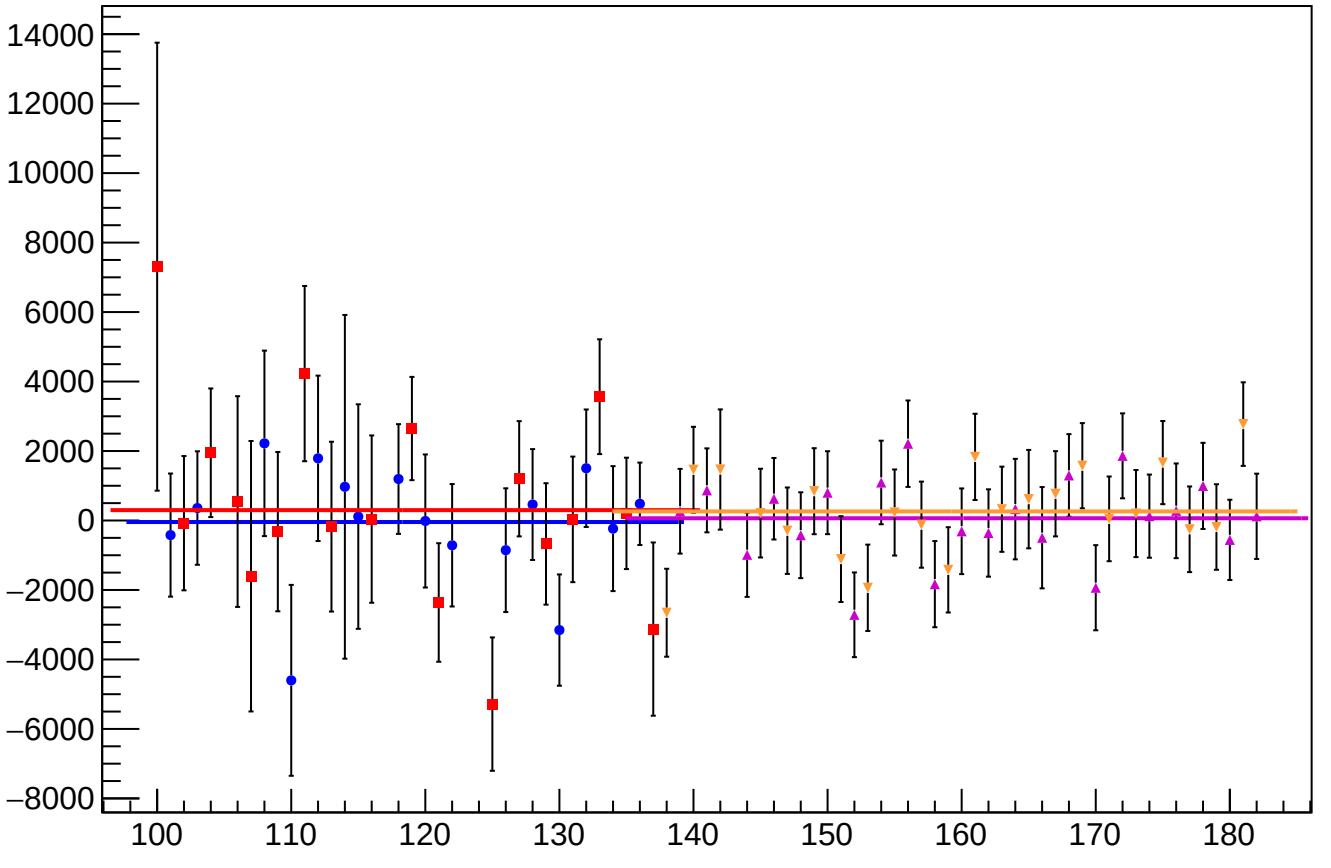
Left: 547.299+/-0.066 χ^2/NDF: 2098063.5/43

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 553.727+/-0.080 χ^2/NDF:2327582.7/37

Out: 548.659+/-0.081 χ^2/NDF:2396341.4/39

All: 551.210+/-0.057 χ^2/NDF: 4725909.7/77



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 261.396+/-267.732 χ^2/NDF:22.6/21

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 64.525+/-263.871 χ^2/NDF:20.4/21

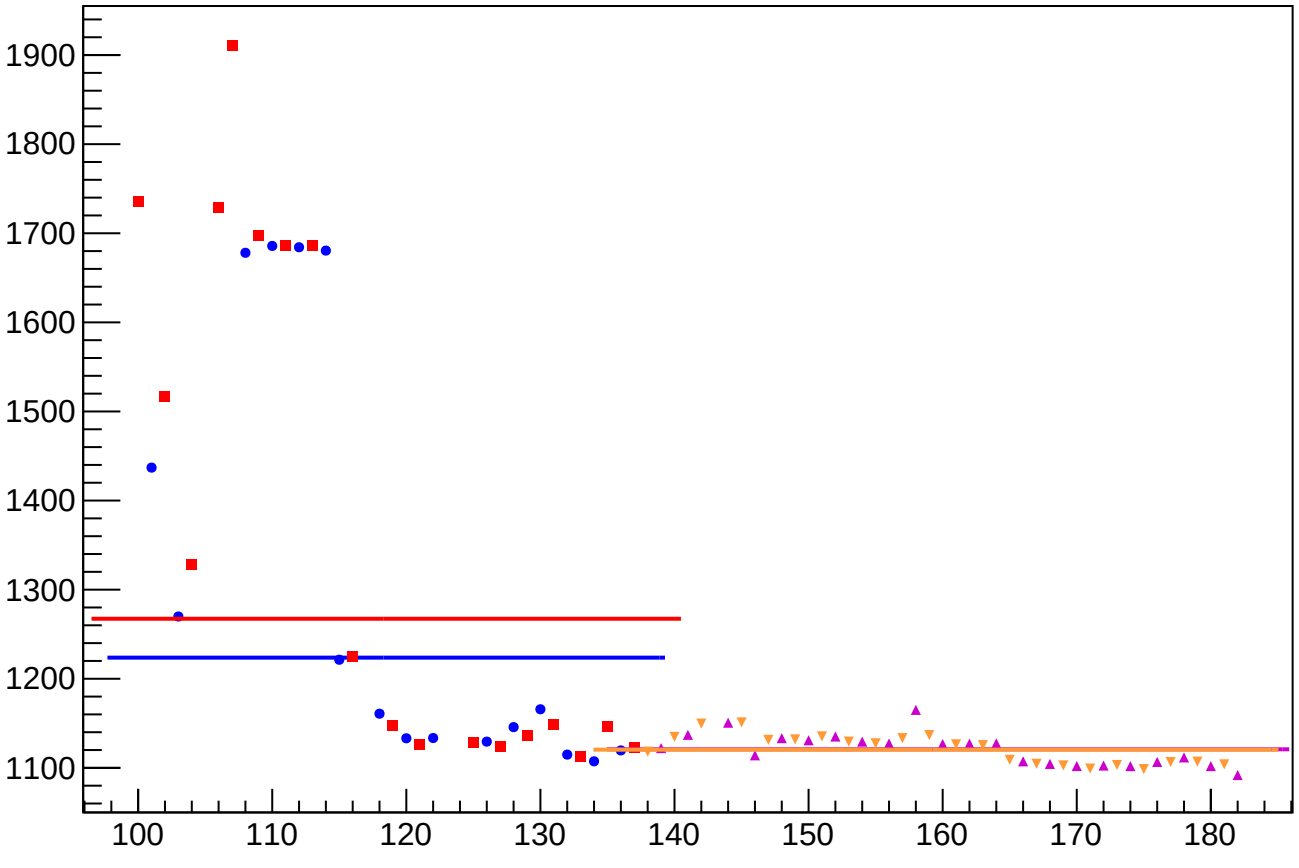
Left: 161.530+/-187.935 χ^2/NDF: 43.2/43

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 37.607+/-228.790 χ^2/NDF:30.5/37

Out: 270.262+/-233.272 χ^2/NDF:47.2/39

All: 151.678+/-163.341 χ^2/NDF: 78.2/77



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1120.438+/-0.189 χ^2/NDF:6831.6/21

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1120.821+/-0.187 χ^2/NDF:9039.6/21

Left: 1120.632+/-0.133 χ^2/NDF: 15873.3/43

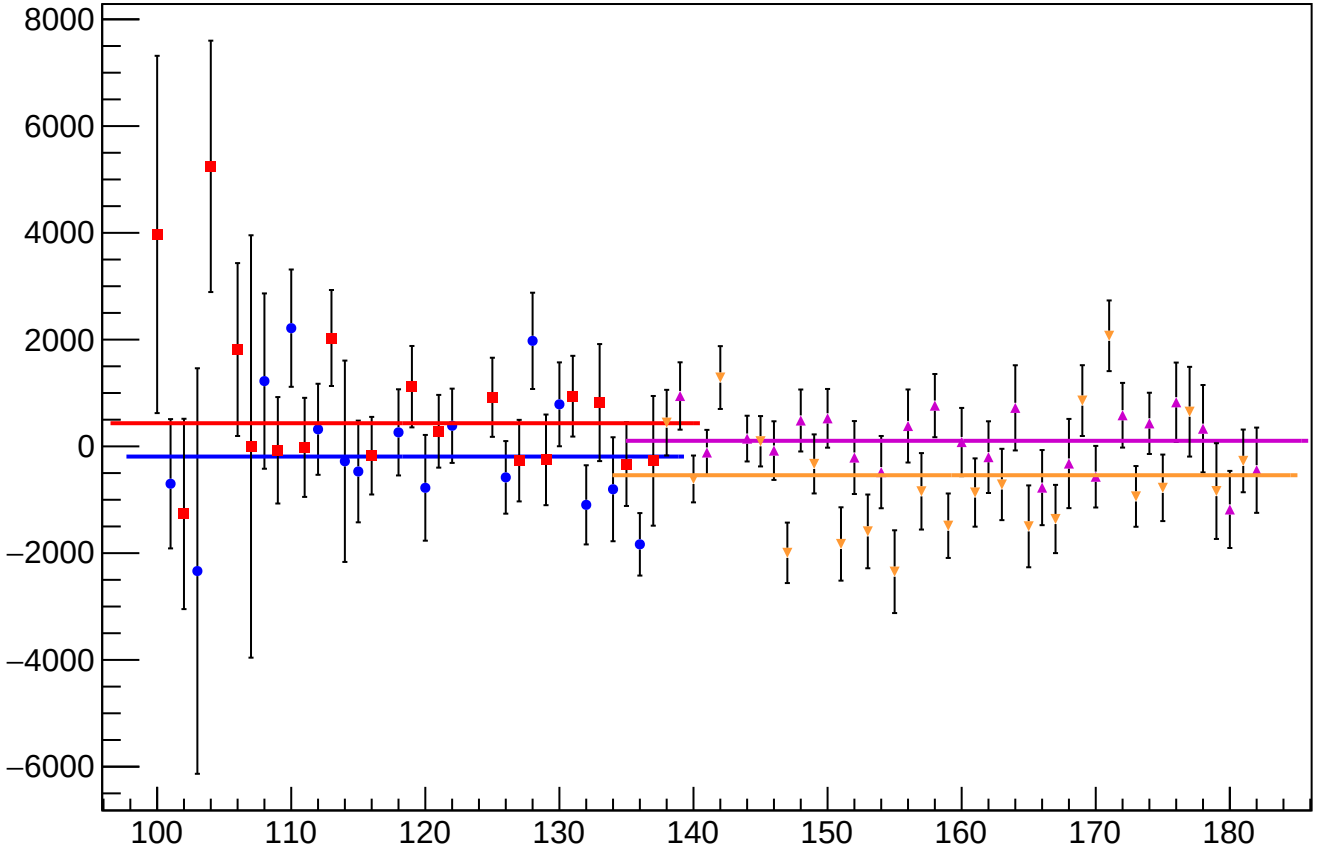
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1146.358+/-0.162 χ^2/NDF:379476.5/37

Out: 1155.826+/-0.165 χ^2/NDF:591885.5/39

All: 1151.000+/-0.115 χ^2/NDF: 973041.3/77

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: -540.281+/-132.692 χ^2/NDF:61.2/21

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 104.411+/-131.663 χ^2/NDF:15.1/21

Left: -215.425+/-93.461 χ^2/NDF: 88.2/43

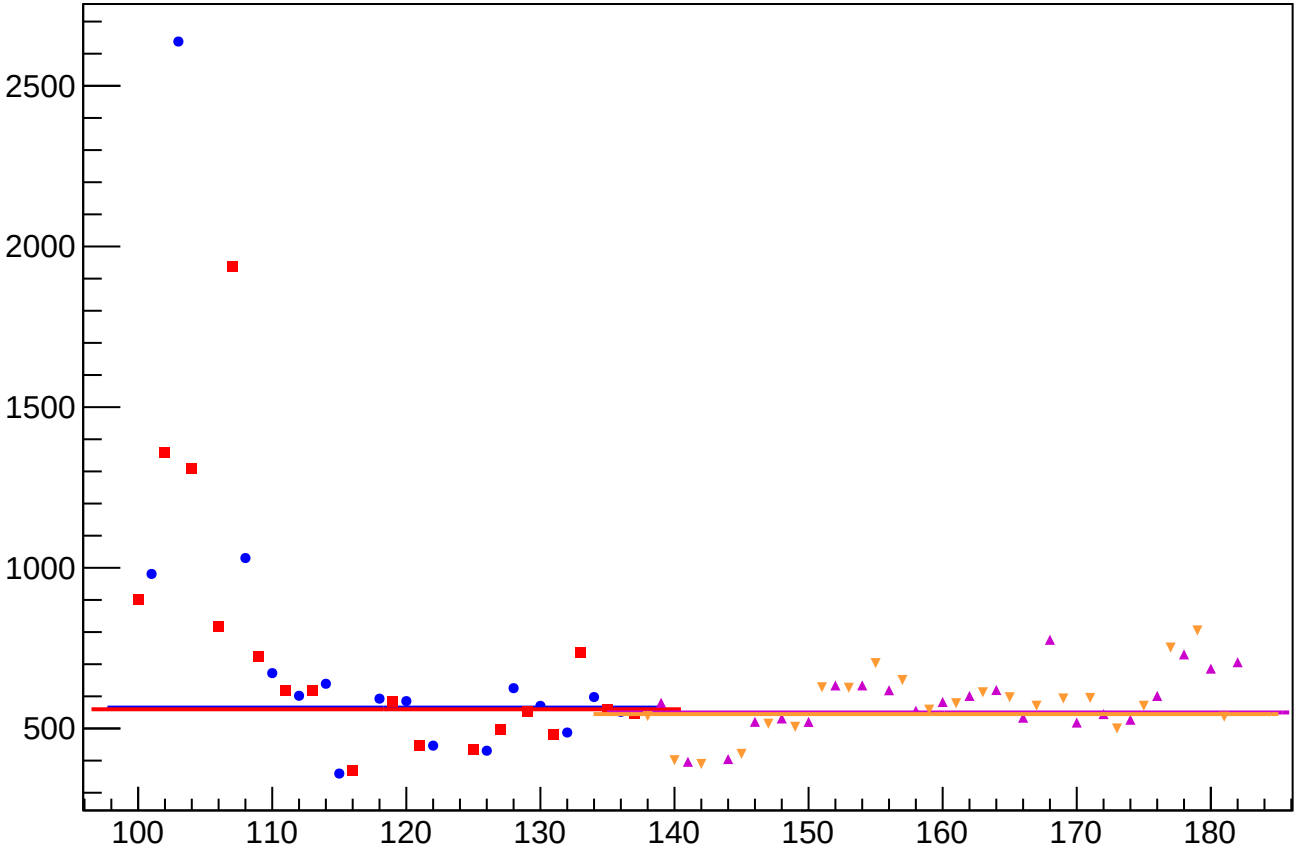
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 28.076+/-113.359 χ^2/NDF:41.7/37

Out: -286.478+/-114.105 χ^2/NDF:91.2/39

All: -128.170+/-80.419 χ^2/NDF: 136.7/77

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: 544.749+/-0.094 χ^2/NDF:1060317.8/21

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 549.809+/-0.093 χ^2/NDF:1036280.3/21

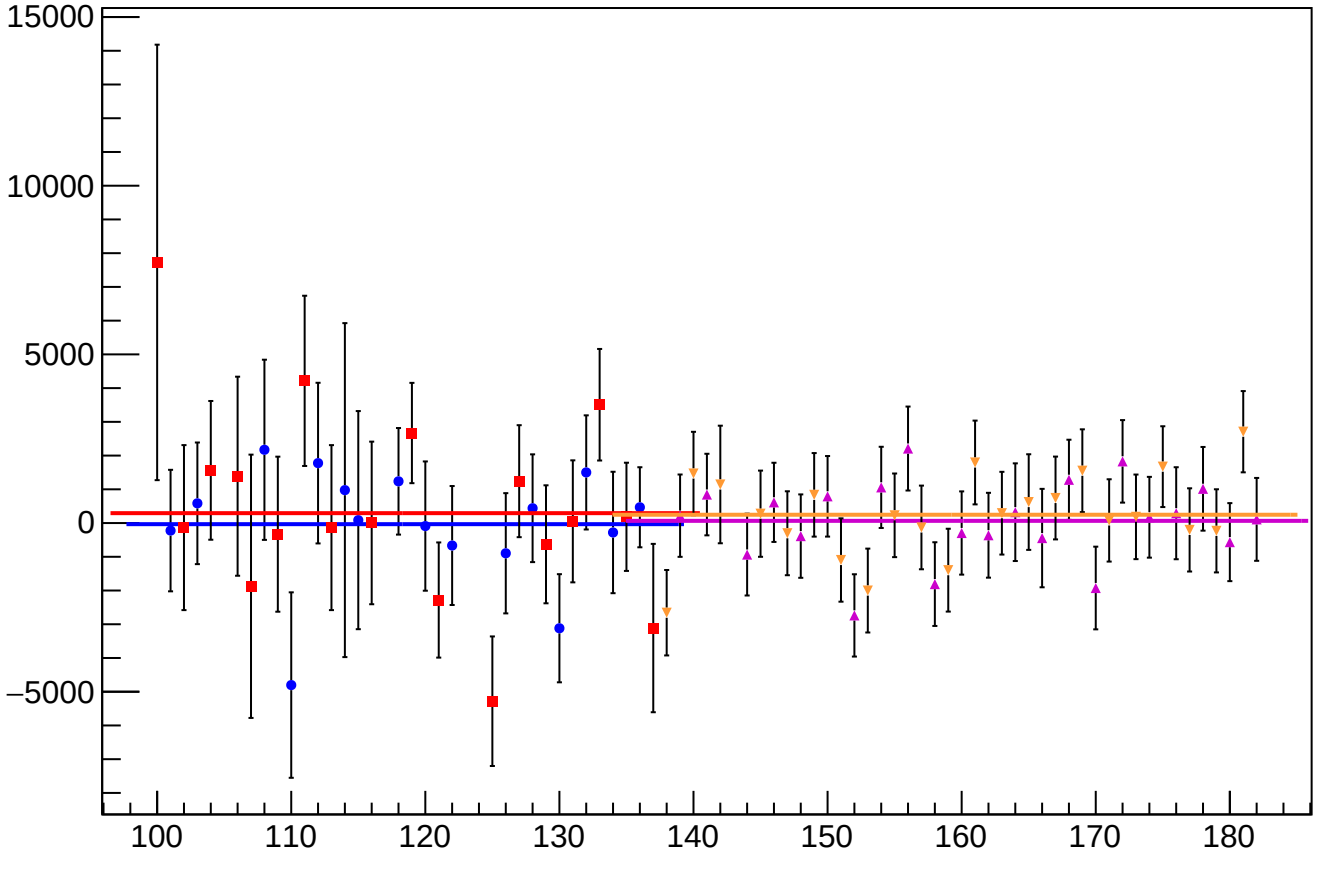
Left: 547.299+/-0.066 χ^2/NDF: 2098063.5/43

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 553.727+/-0.080 χ^2/NDF:2327582.7/37

Out: 548.659+/-0.081 χ^2/NDF:2396341.4/39

All: 551.210+/-0.057 χ^2/NDF: 4725909.7/77



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 246.340+/-267.898 χ^2/NDF:22.1/21

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 65.155+/-263.985 χ^2/NDF:20.1/21

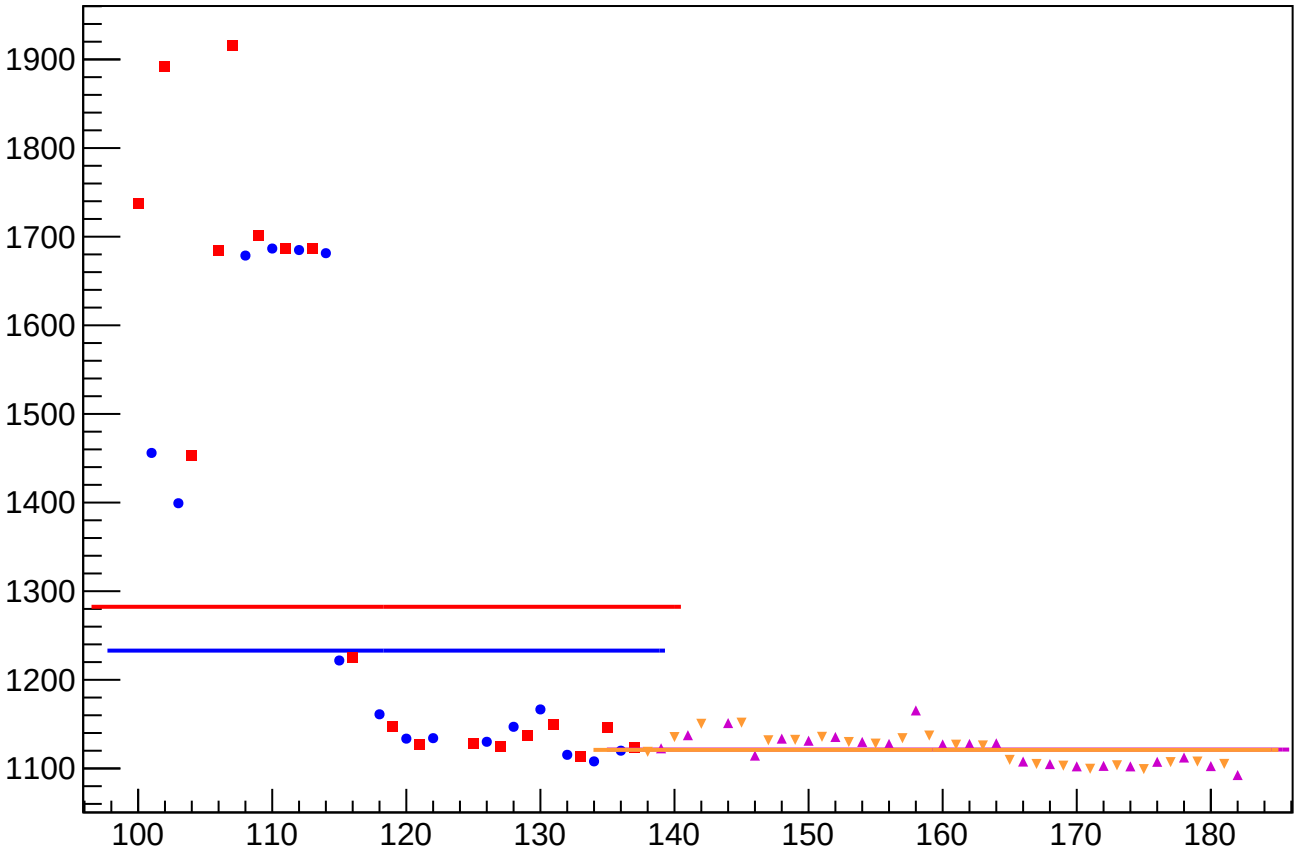
Left: 154.415+/-188.034 χ^2/NDF: 42.4/43

Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 41.076+/-229.355 χ^2/NDF:30.4/37

Out: 257.379+/-234.370 χ^2/NDF:46.3/39

All: 146.888+/-163.923 χ^2/NDF: 77.1/77



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1120.954+/-0.189 χ^2/NDF:6784.1/21

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1121.308+/-0.187 χ^2/NDF:8994.2/21

Left: 1121.134+/-0.133 χ^2/NDF: 15780.2/43

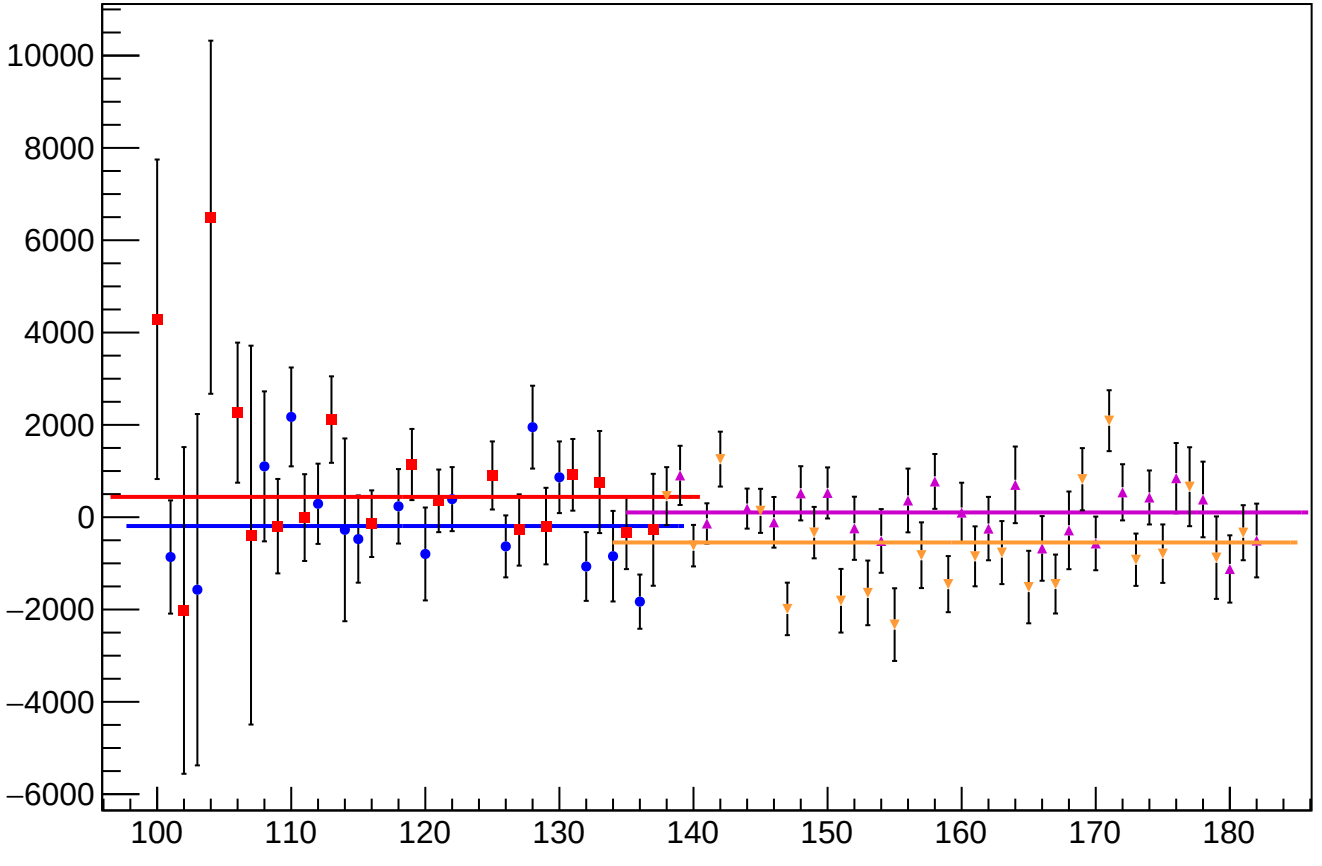
Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1148.682+/-0.162 χ^2/NDF:412183.2/37

Out: 1158.838+/-0.166 χ^2/NDF:720633.8/39

All: 1153.650+/-0.116 χ^2/NDF: 1134735.4/77

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: -547.631+/-134.134 χ^2/NDF:60.4/21

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 103.030+/-133.245 χ^2/NDF:14.5/21

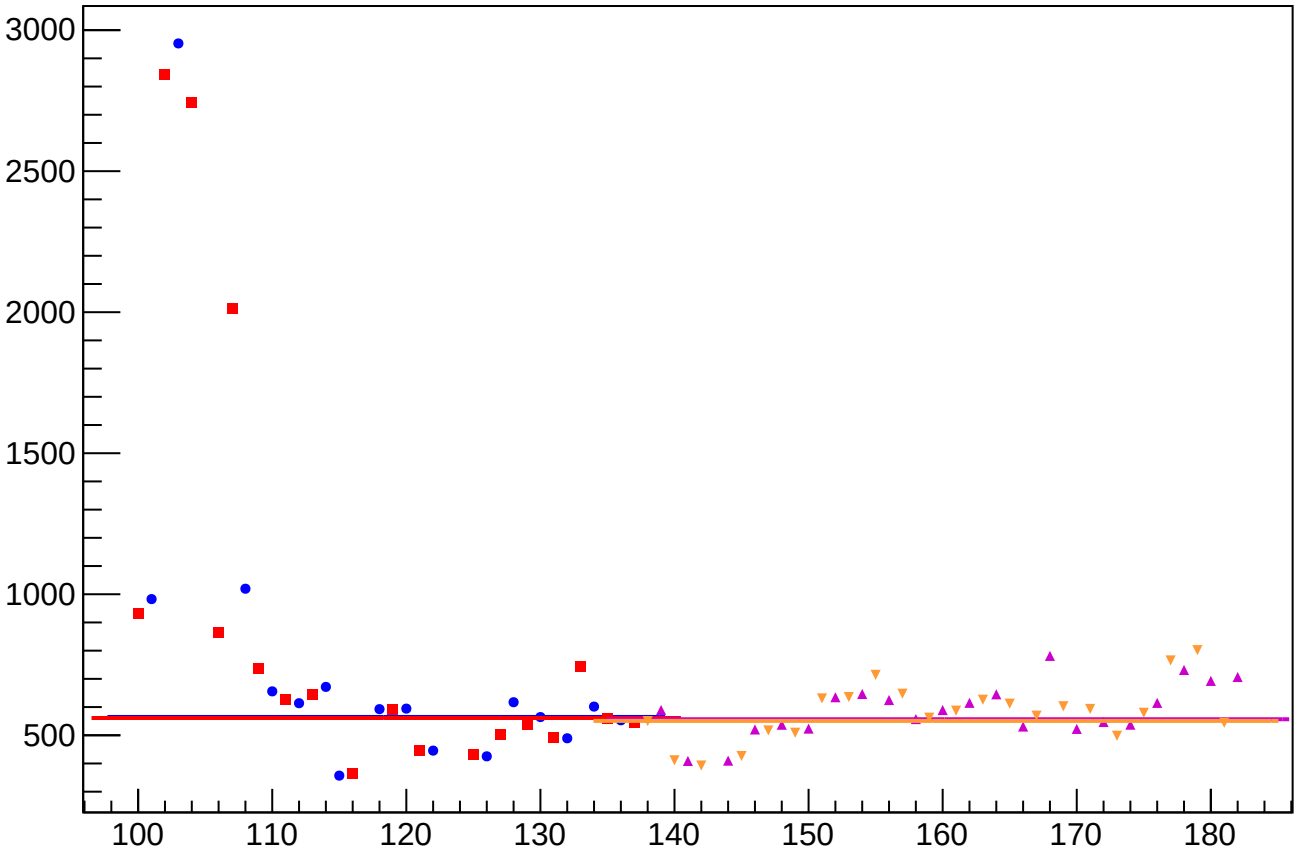
Left: -220.138+/-94.531 χ^2/NDF: 86.7/43

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 25.413+/-114.350 χ^2/NDF:41.0/37

Out: -291.467+/-115.427 χ^2/NDF:89.1/39

All: -131.542+/-81.236 χ^2/NDF: 134.0/77



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 550.972+/-0.095 χ^2/NDF:1037694.7/21

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 556.823+/-0.094 χ^2/NDF:1001216.5/21

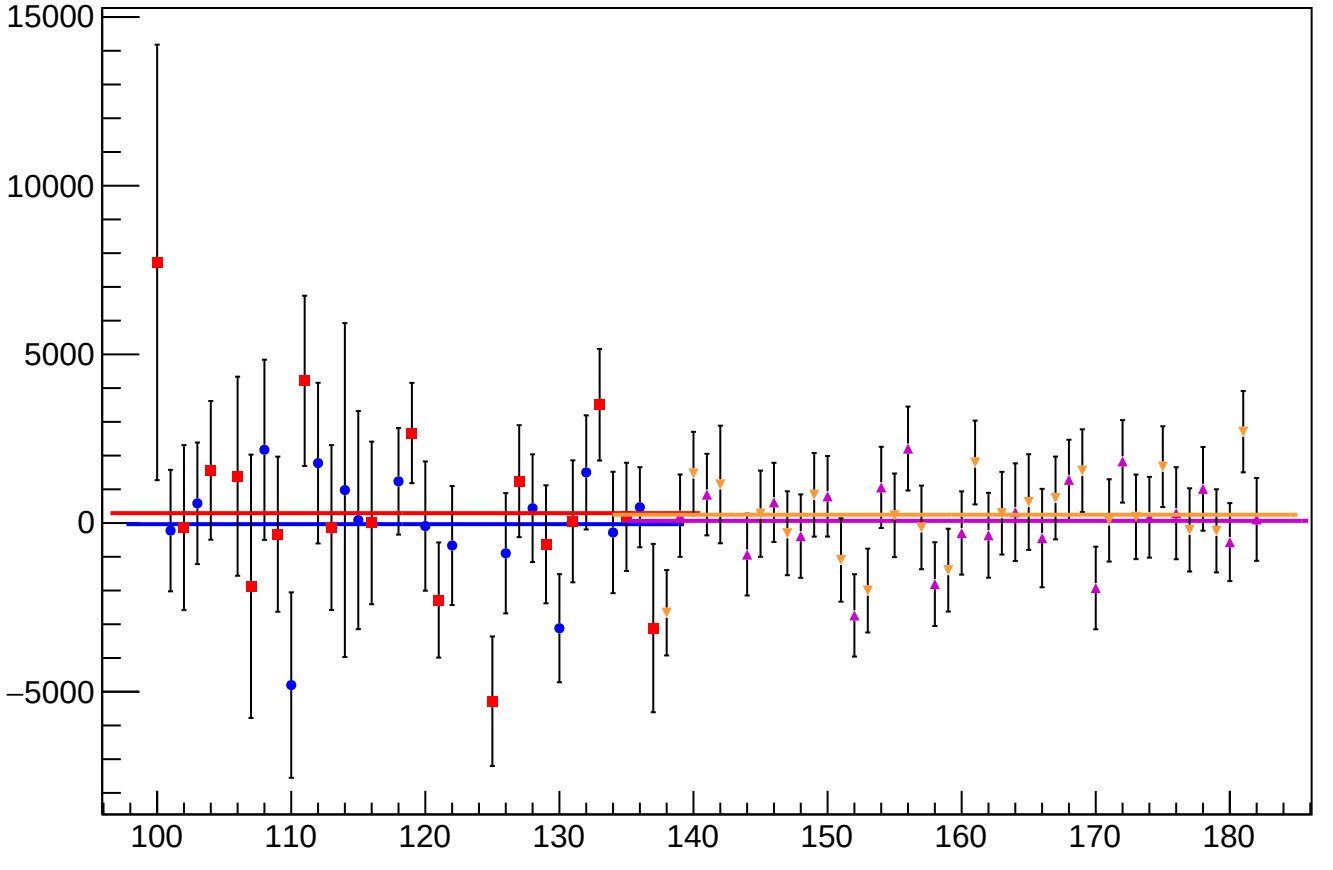
Left: 553.917+/-0.067 χ^2/NDF: 2040826.9/43

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 558.944+/-0.081 χ^2/NDF:2483514.3/37

Out: 553.645+/-0.082 χ^2/NDF:3314127.1/39

All: 556.319+/-0.057 χ^2/NDF: 5799768.8/77



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 246.338+/-267.898 χ^2/NDF:22.1/21

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 65.156+/-263.985 χ^2/NDF:20.1/21

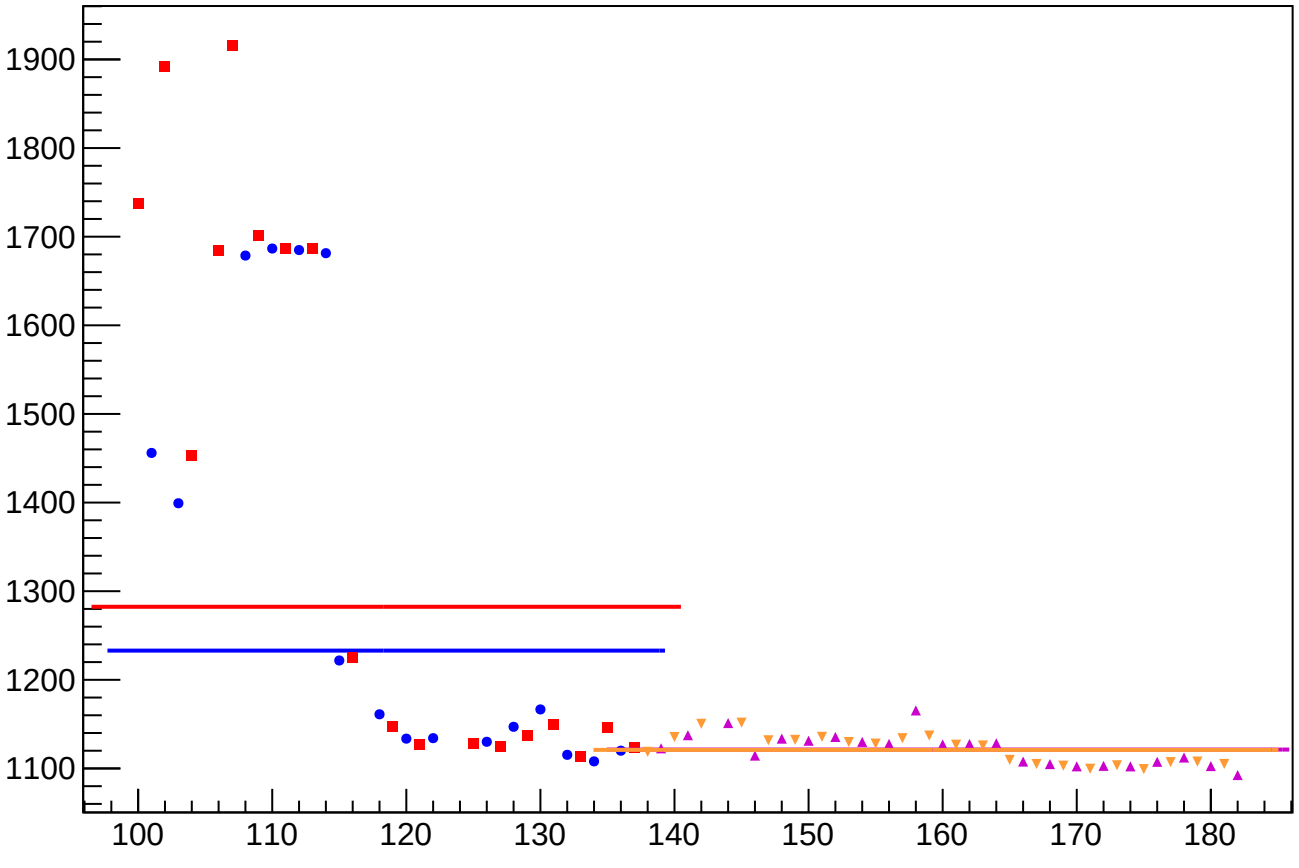
Left: 154.414+/-188.034 χ^2/NDF: 42.4/43

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 41.077+/-229.355 χ^2/NDF:30.4/37

Out: 257.377+/-234.370 χ^2/NDF:46.3/39

All: 146.888+/-163.923 χ^2/NDF: 77.1/77



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1120.954+/-0.189 χ^2/NDF:6784.1/21

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1121.308+/-0.187 χ^2/NDF:8994.3/21

Left: 1121.134+/-0.133 χ^2/NDF: 15780.2/43

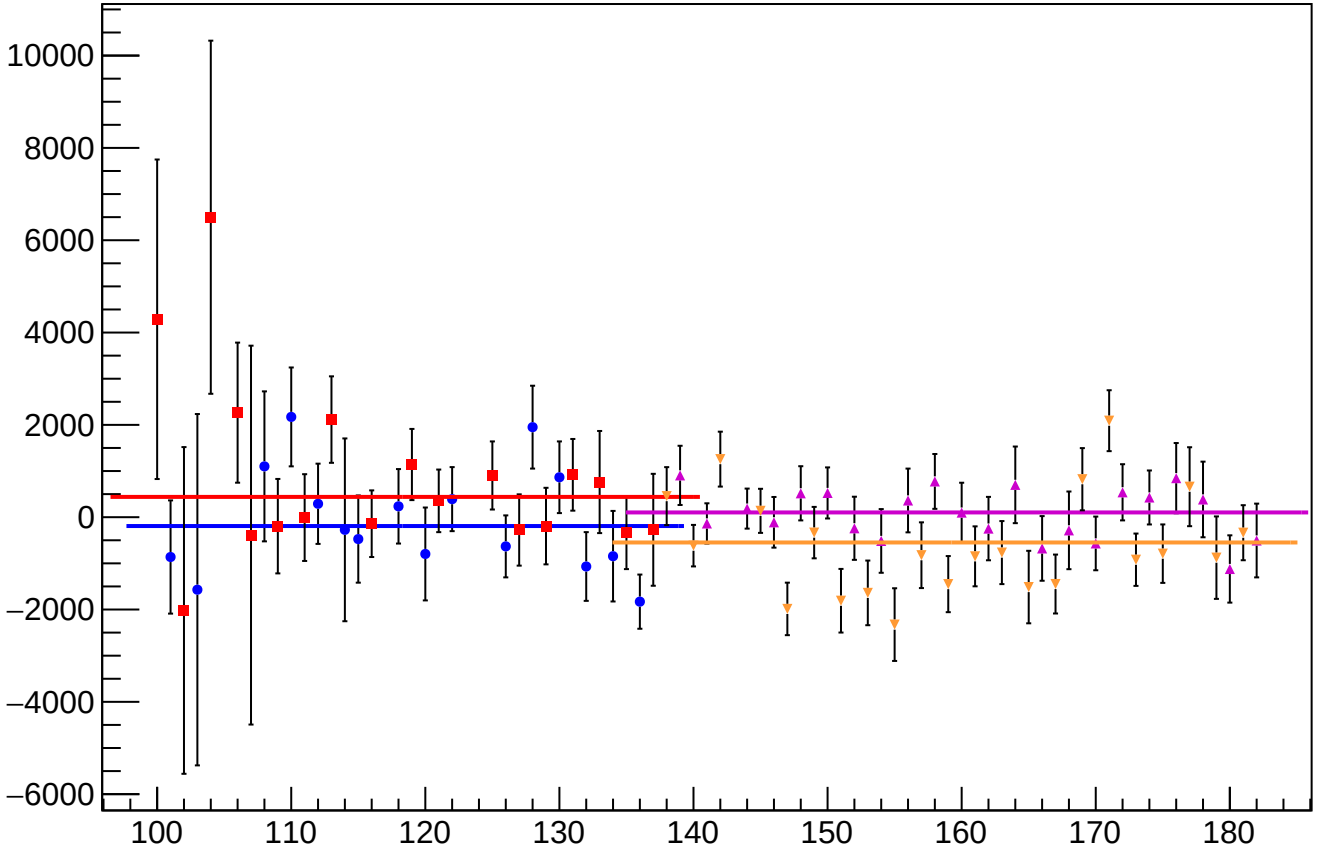
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1148.682+/-0.162 χ^2/NDF:412182.7/37

Out: 1158.838+/-0.166 χ^2/NDF:720633.1/39

All: 1153.650+/-0.116 χ^2/NDF: 1134734.1/77

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: -547.630+/-134.134 χ^2/NDF:60.4/21

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 103.030+/-133.245 χ^2/NDF:14.5/21

Left: -220.137+/-94.531 χ^2/NDF: 86.7/43

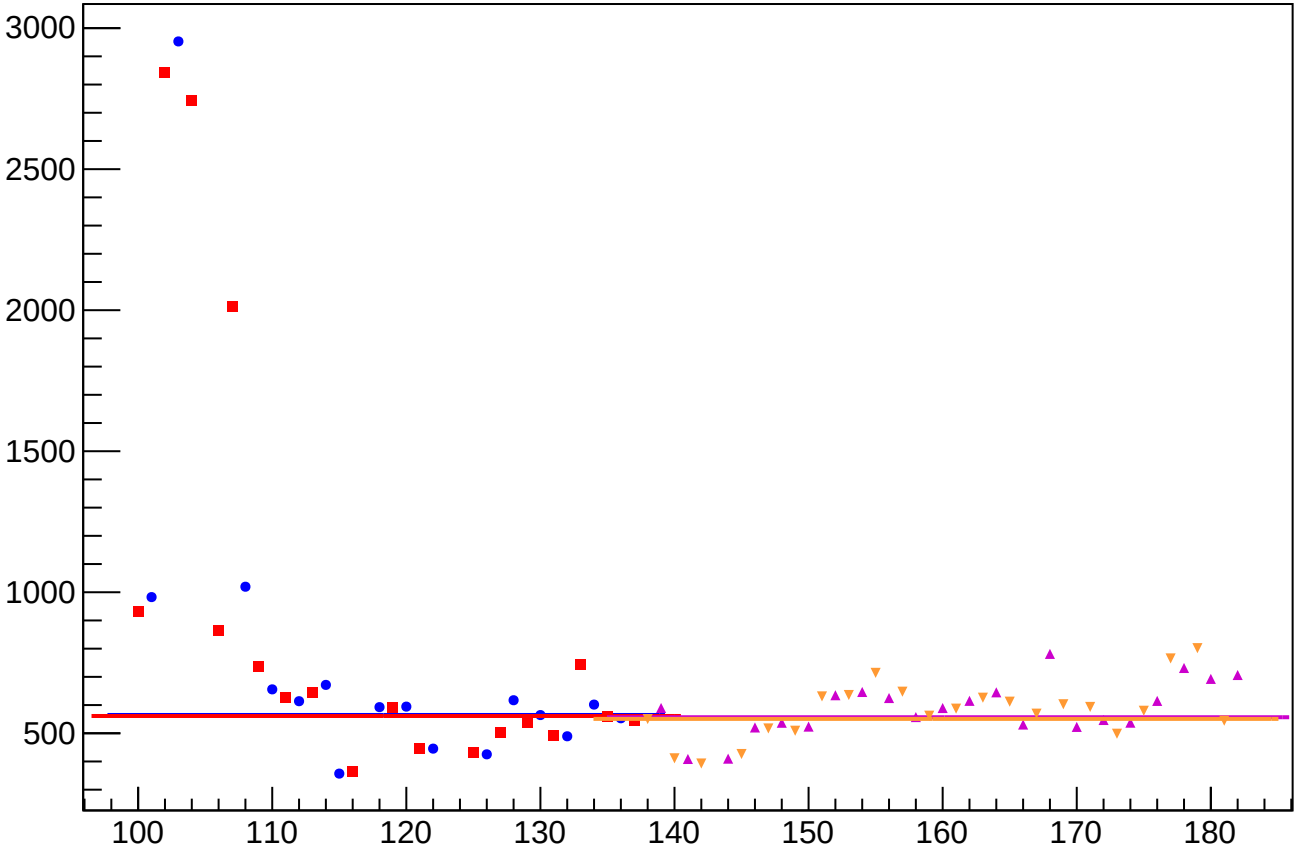
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 25.414+/-114.350 χ^2/NDF:41.0/37

Out: -291.466+/-115.427 χ^2/NDF:89.1/39

All: -131.541+/-81.236 χ^2/NDF: 134.0/77

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: 550.971+/-0.095 χ^2/NDF:1037714.3/21

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 556.823+/-0.094 χ^2/NDF:1001230.7/21

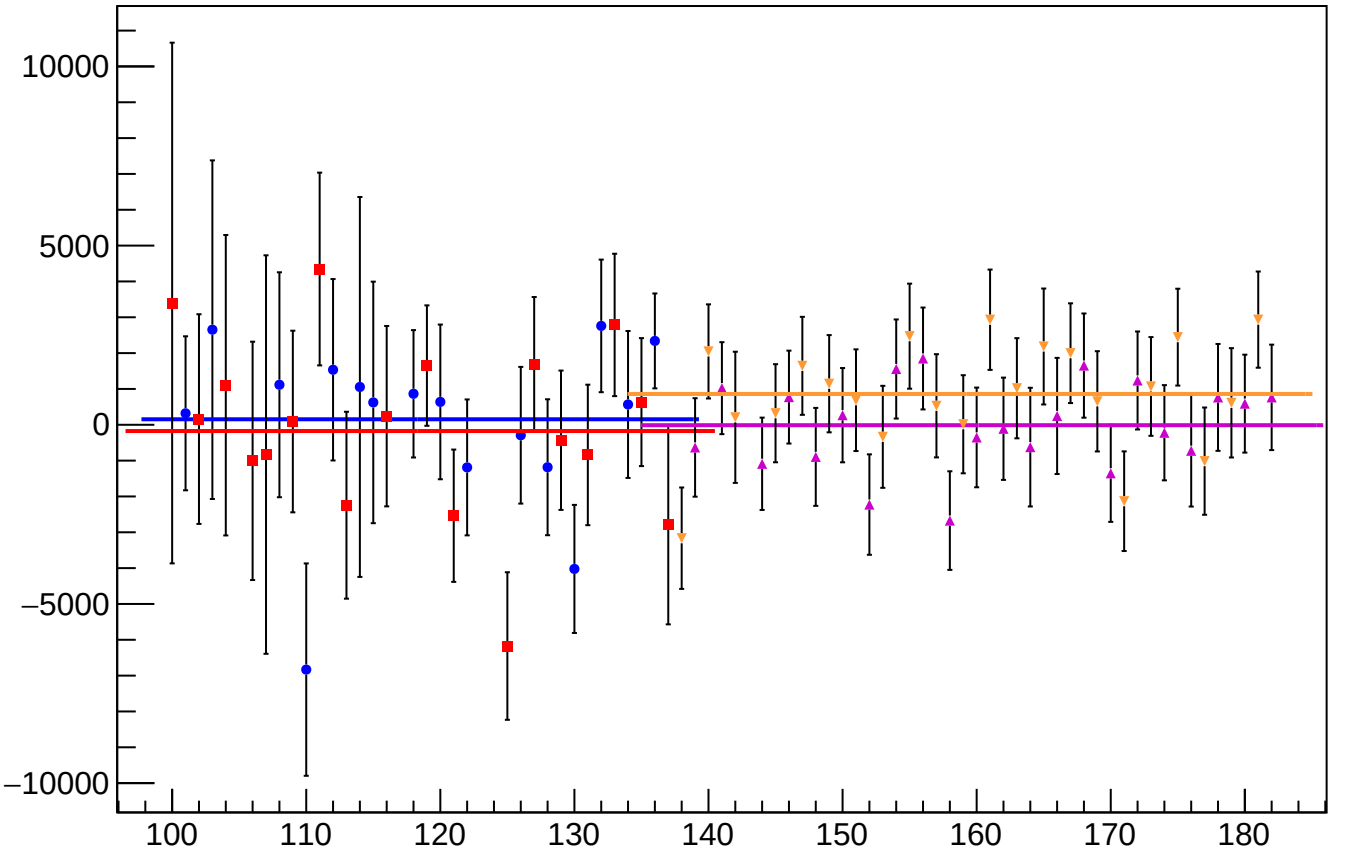
Left: 553.916+/-0.067 χ^2/NDF: 2040860.8/43

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 558.943+/-0.081 χ^2/NDF:2483526.2/37

Out: 553.644+/-0.082 χ^2/NDF:3314147.7/39

All: 556.319+/-0.057 χ^2/NDF: 5799801.4/77



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 860.069+/-302.676 χ^2/NDF:25.5/21

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -11.607+/-298.335 χ^2/NDF:16.0/21

Left: 417.935+/-212.473 χ^2/NDF: 45.7/43

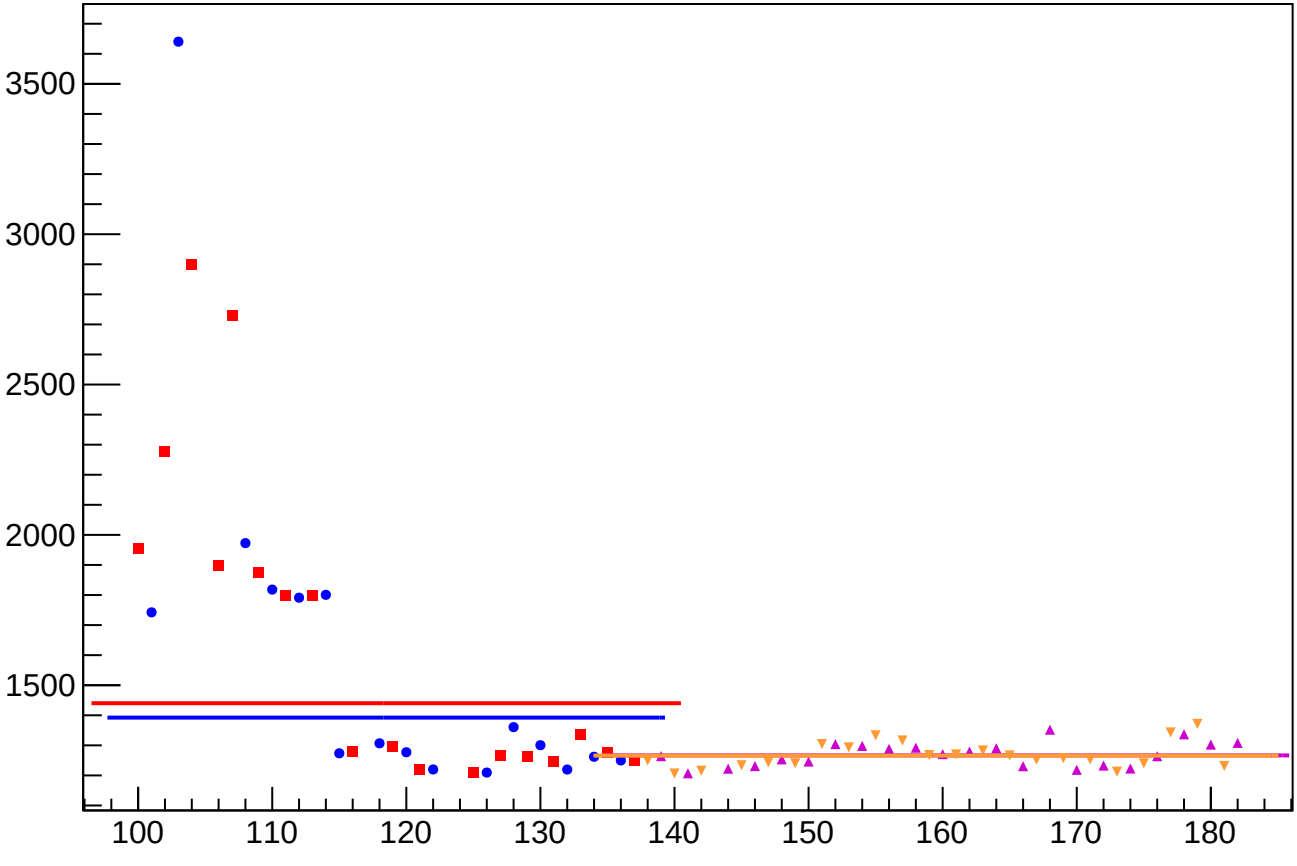
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: 27.852+/-260.224 χ^2/NDF:33.8/37

Out: 619.724+/-265.191 χ^2/NDF:47.9/39

All: 318.193+/-185.737 χ^2/NDF: 84.2/77

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1265.917+/-0.214 χ^2/NDF:37733.4/21

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1266.627+/-0.211 χ^2/NDF:34268.3/21

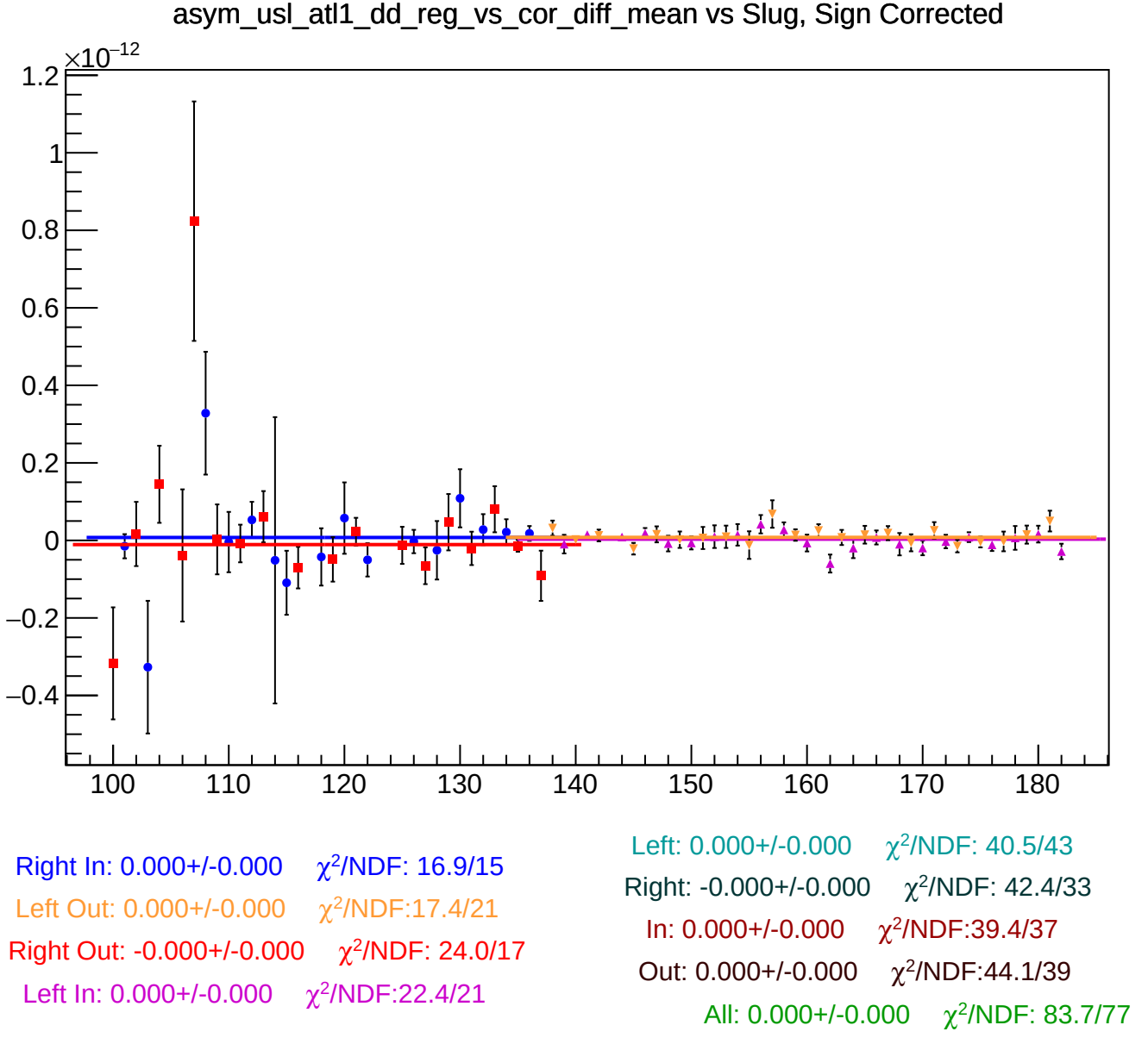
Left: 1266.277+/-0.150 χ^2/NDF: 72007.3/43

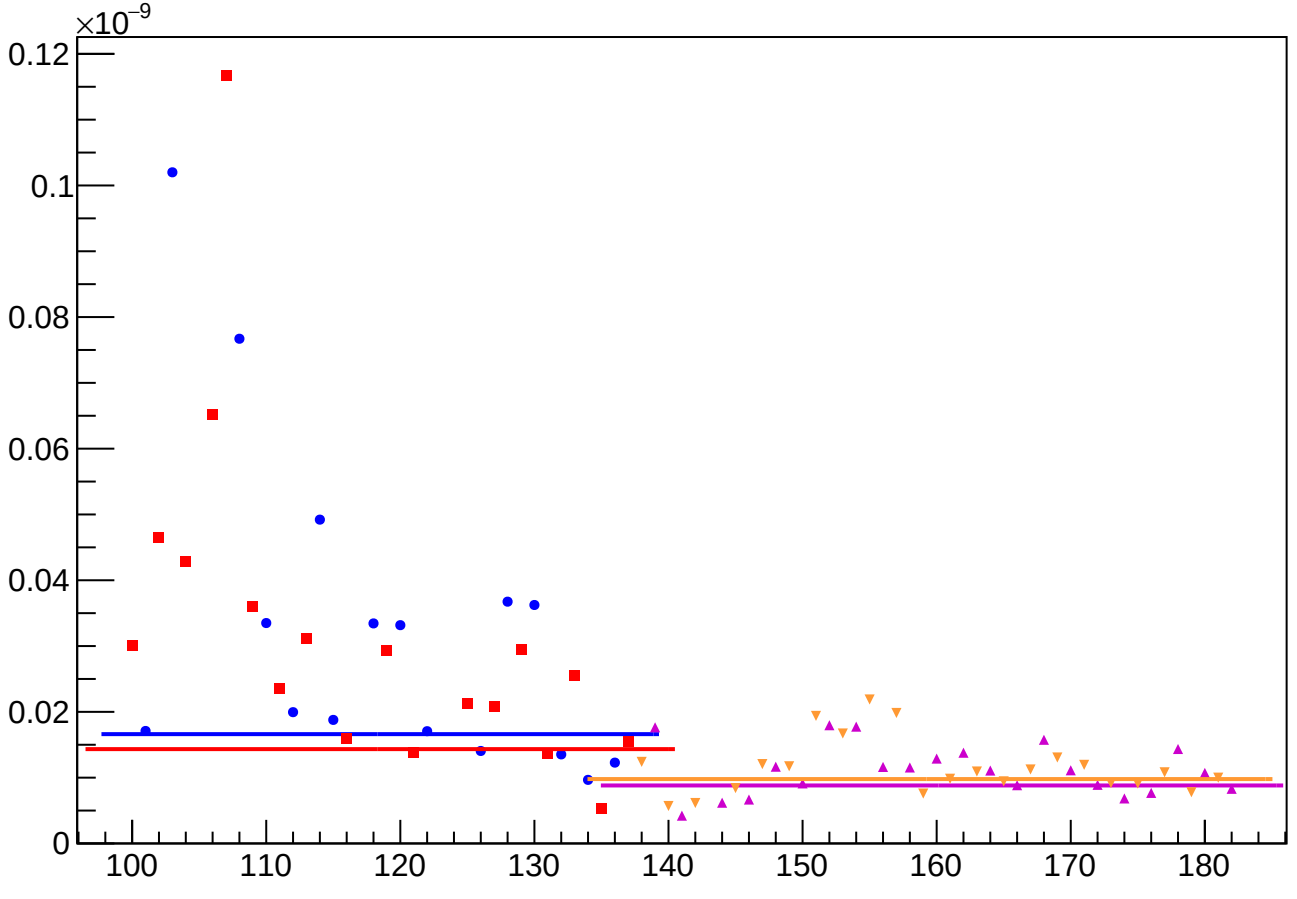
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1296.684+/-0.184 χ^2/NDF:898390.5/37

Out: 1306.417+/-0.188 χ^2/NDF:1046734.8/39

All: 1301.459+/-0.131 χ^2/NDF: 1946497.9/77


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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: 0.000+/-0.000 χ²/NDF:17.4/21
Right Out: -0.000+/-0.000 χ²/NDF: 24.0/17
Left In: 0.000+/-0.000 χ²/NDF:22.4/21
Left: 0.000+/-0.000 χ²/NDF: 40.5/43
Right: -0.000+/-0.000 χ²/NDF: 42.4/33
In: 0.000+/-0.000 χ²/NDF:39.4/37
Out: 0.000+/-0.000 χ²/NDF:44.1/39
All: 0.000+/-0.000 χ²/NDF: 83.7/77



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1370094.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1897717.6/21

Left: 0.000+/-0.000 χ^2/NDF: 3330481.4/43

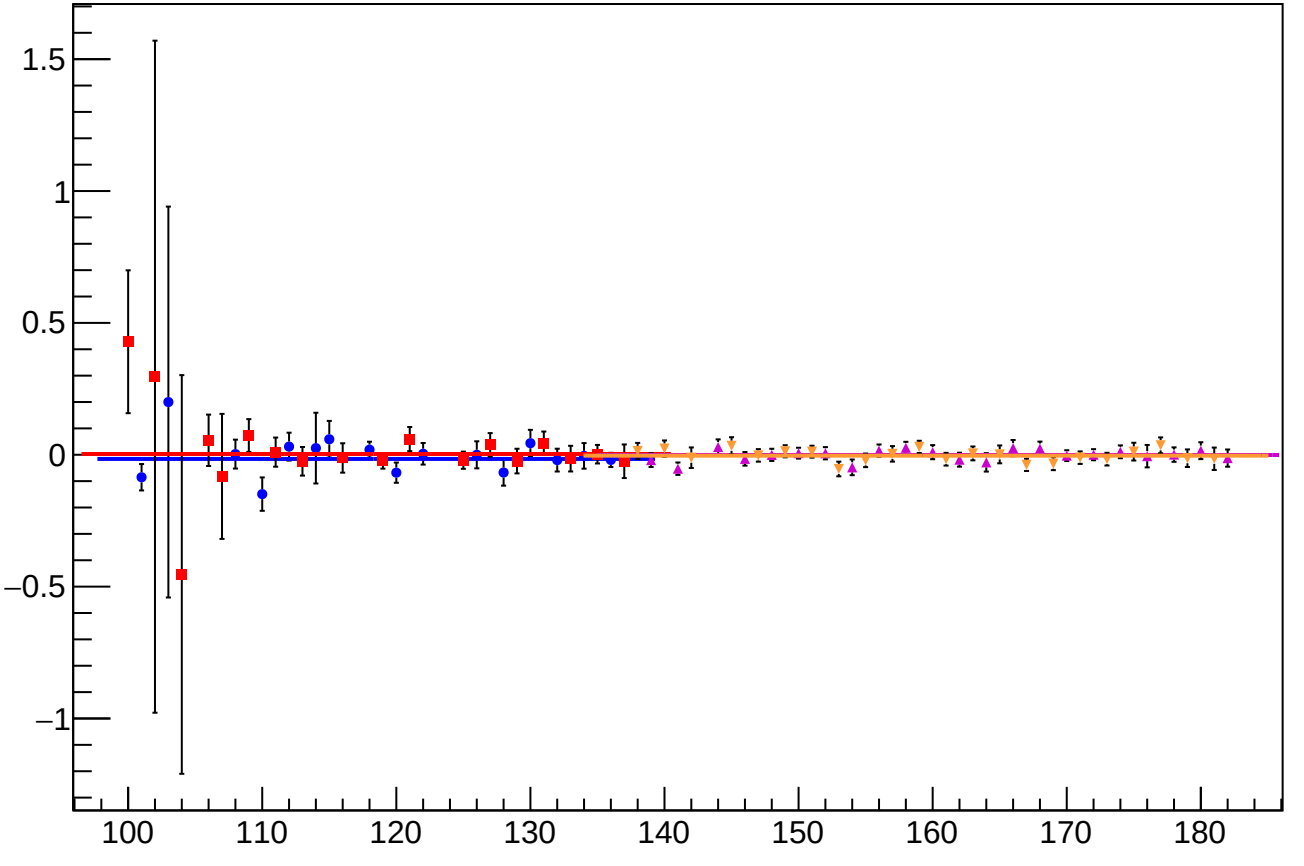
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4392193.3/37

Out: 0.000+/-0.000 χ^2/NDF:3950716.0/39

All: 0.000+/-0.000 χ^2/NDF: 8381805.9/77

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: -0.003+/-0.006 χ^2/NDF:16.0/21

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.005 χ^2/NDF:14.9/21

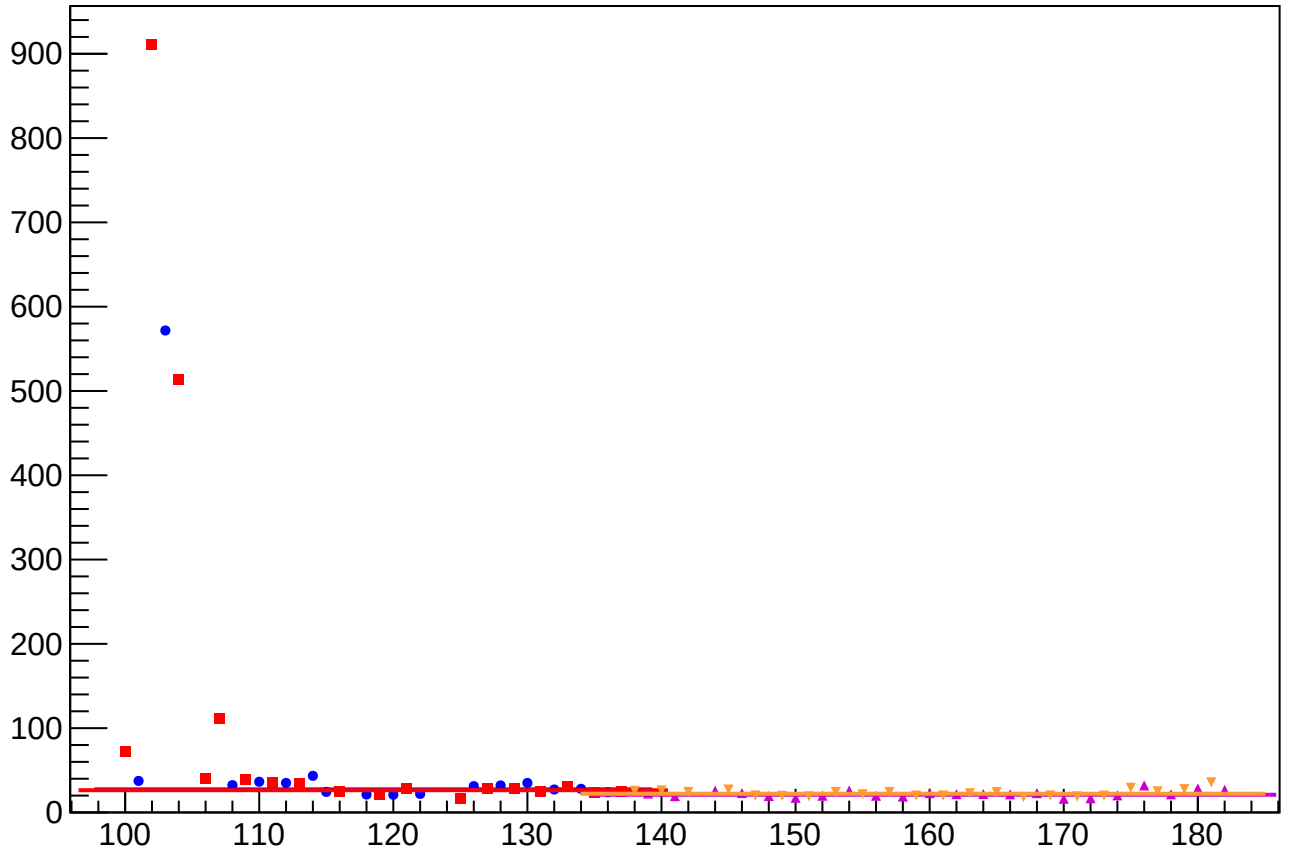
Left: -0.002+/-0.004 χ^2/NDF: 31.0/43

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.9/37

Out: -0.002+/-0.005 χ^2/NDF:26.1/39

All: -0.003+/-0.004 χ^2/NDF: 57.0/77



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.222+/-0.004 χ^2/NDF:724976.8/21

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.015+/-0.004 χ^2/NDF:760778.6/21

Left: 21.584+/-0.003 χ^2/NDF: 1531368.0/43

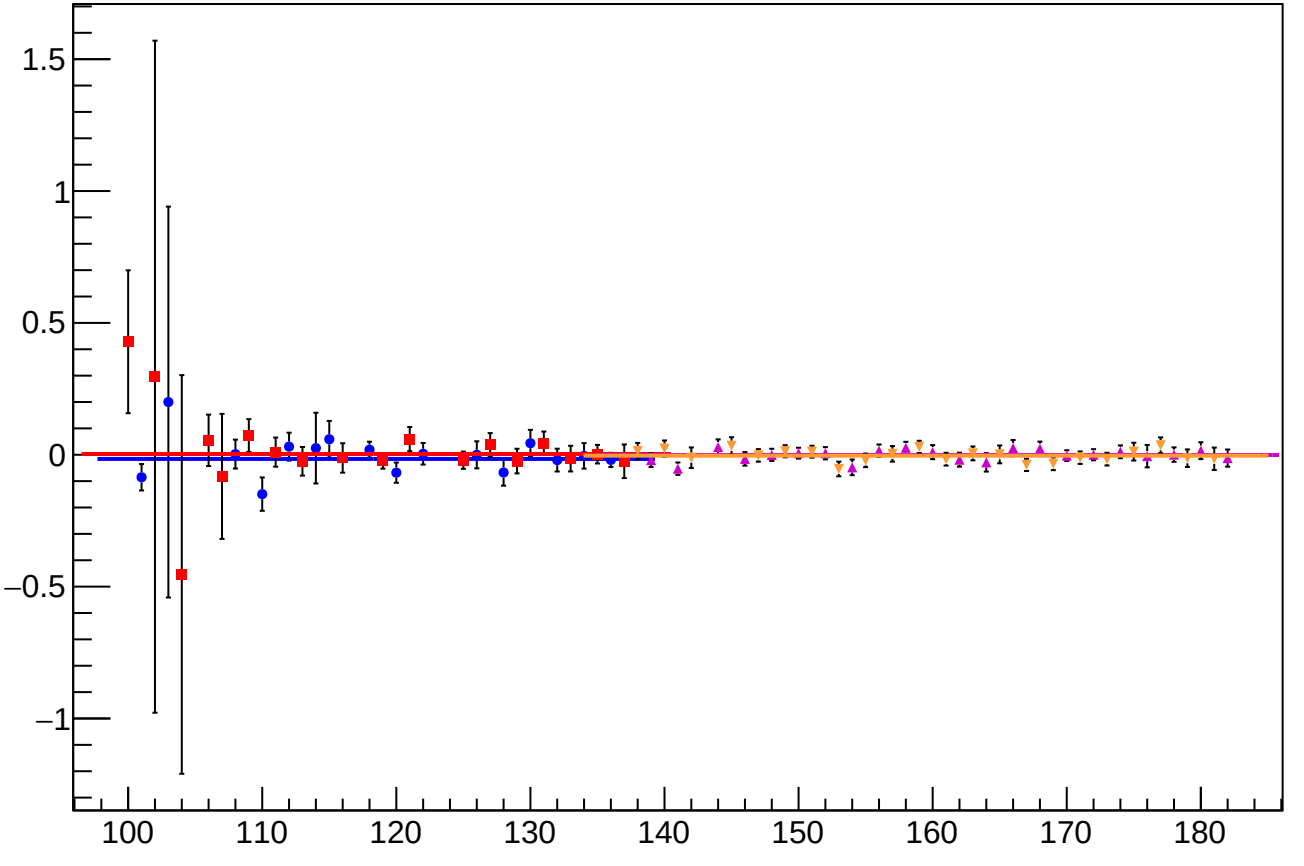
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.172+/-0.004 χ^2/NDF:2812414.5/37

Out: 23.013+/-0.004 χ^2/NDF:3535470.1/39

All: 22.570+/-0.003 χ^2/NDF: 6375152.3/77

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: -0.003+/-0.006 χ^2/NDF:16.0/21

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.005 χ^2/NDF:14.9/21

Left: -0.002+/-0.004 χ^2/NDF: 31.0/43

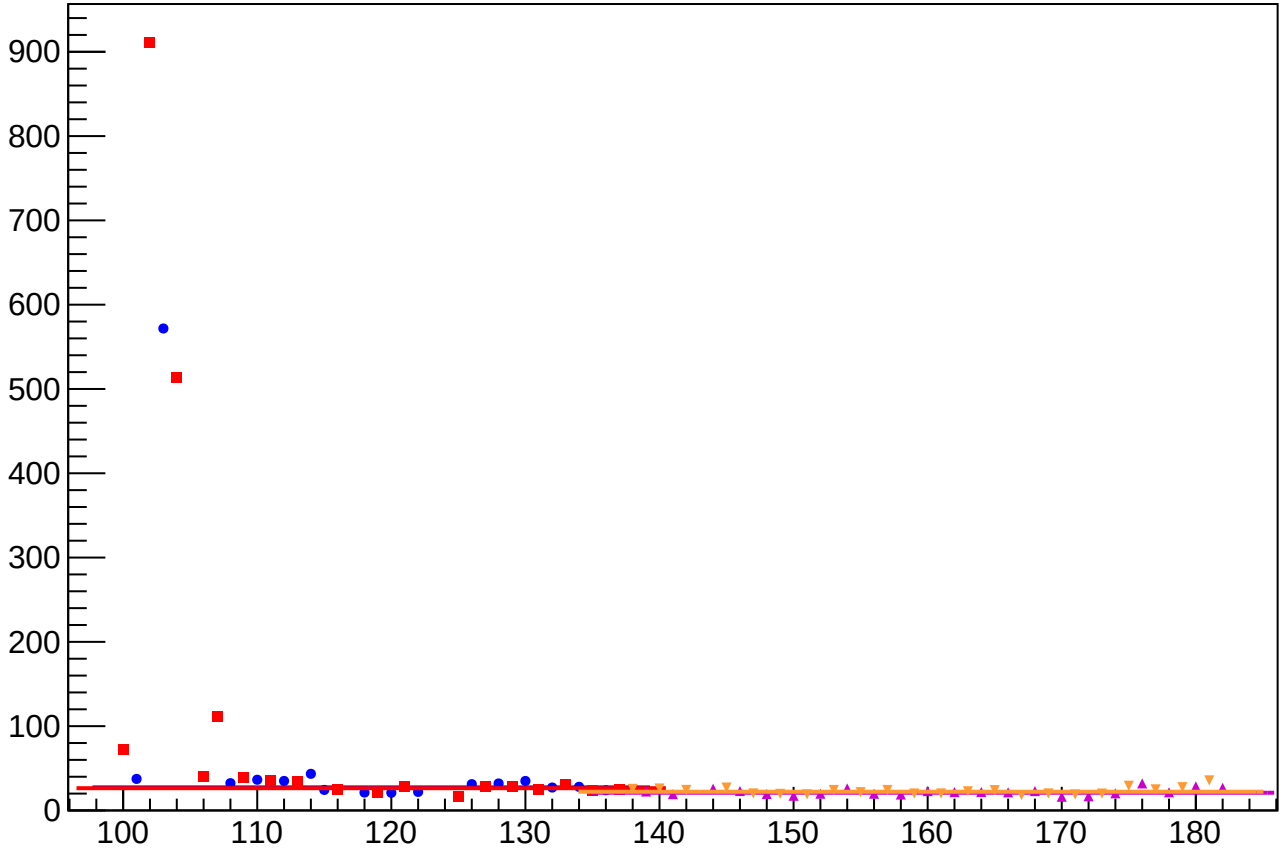
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.9/37

Out: -0.002+/-0.005 χ^2/NDF:26.1/39

All: -0.003+/-0.004 χ^2/NDF: 57.0/77

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: 22.222+/-0.004 χ^2/NDF:724976.8/21

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.015+/-0.004 χ^2/NDF:760778.6/21

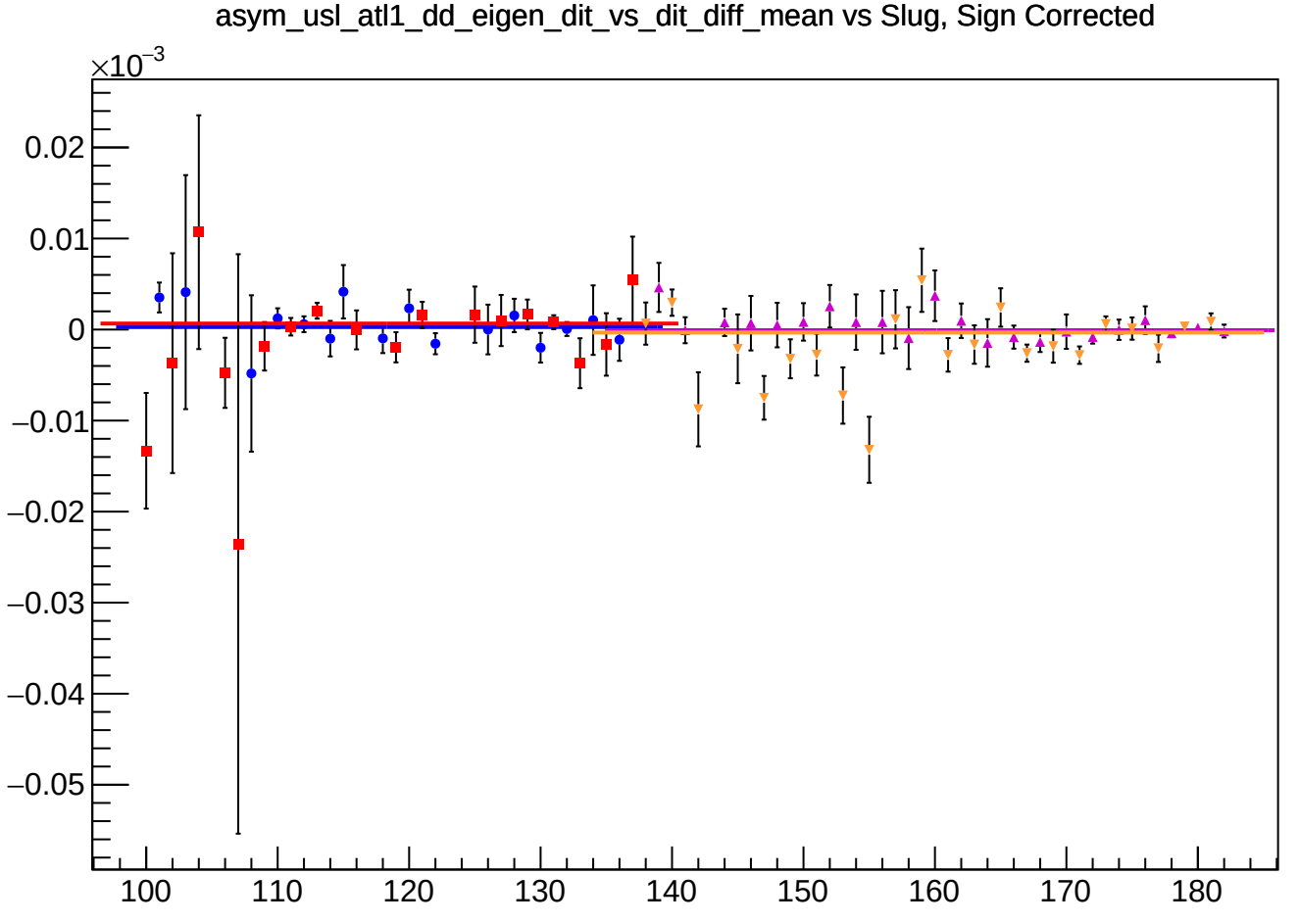
Left: 21.584+/-0.003 χ^2/NDF: 1531368.0/43

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.172+/-0.004 χ^2/NDF:2812414.5/37

Out: 23.013+/-0.004 χ^2/NDF:3535470.1/39

All: 22.570+/-0.003 χ^2/NDF: 6375152.3/77



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:67.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: -0.000+/-0.000 χ^2/NDF:12.5/21

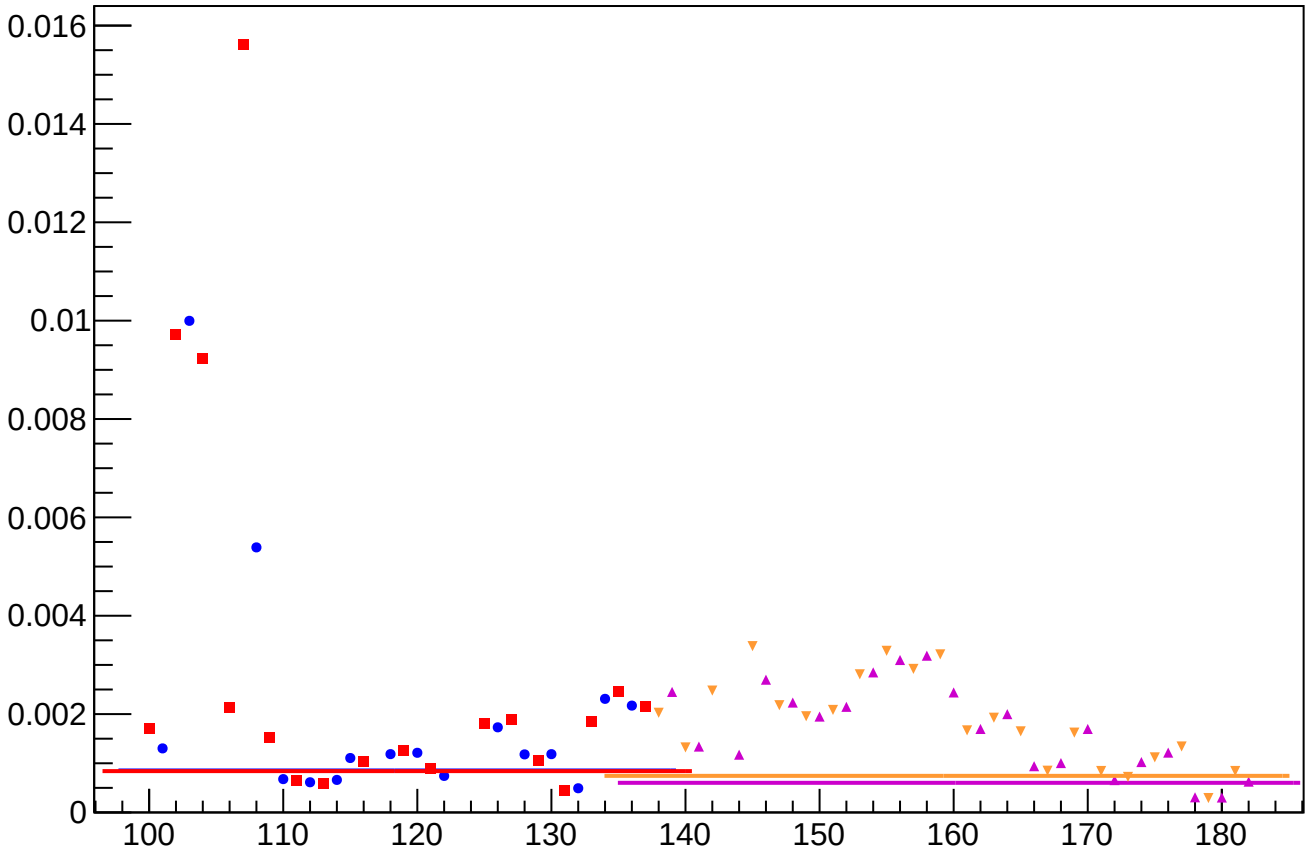
Left: -0.000+/-0.000 χ^2/NDF: 80.9/43

Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:27.5/37

Out: -0.000+/-0.000 χ^2/NDF:91.6/39

All: -0.000+/-0.000 χ^2/NDF: 119.2/77



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:14483974.8/21

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:15455426.9/21

Left: 0.001+/-0.000 χ^2/NDF: 30369486.1/43

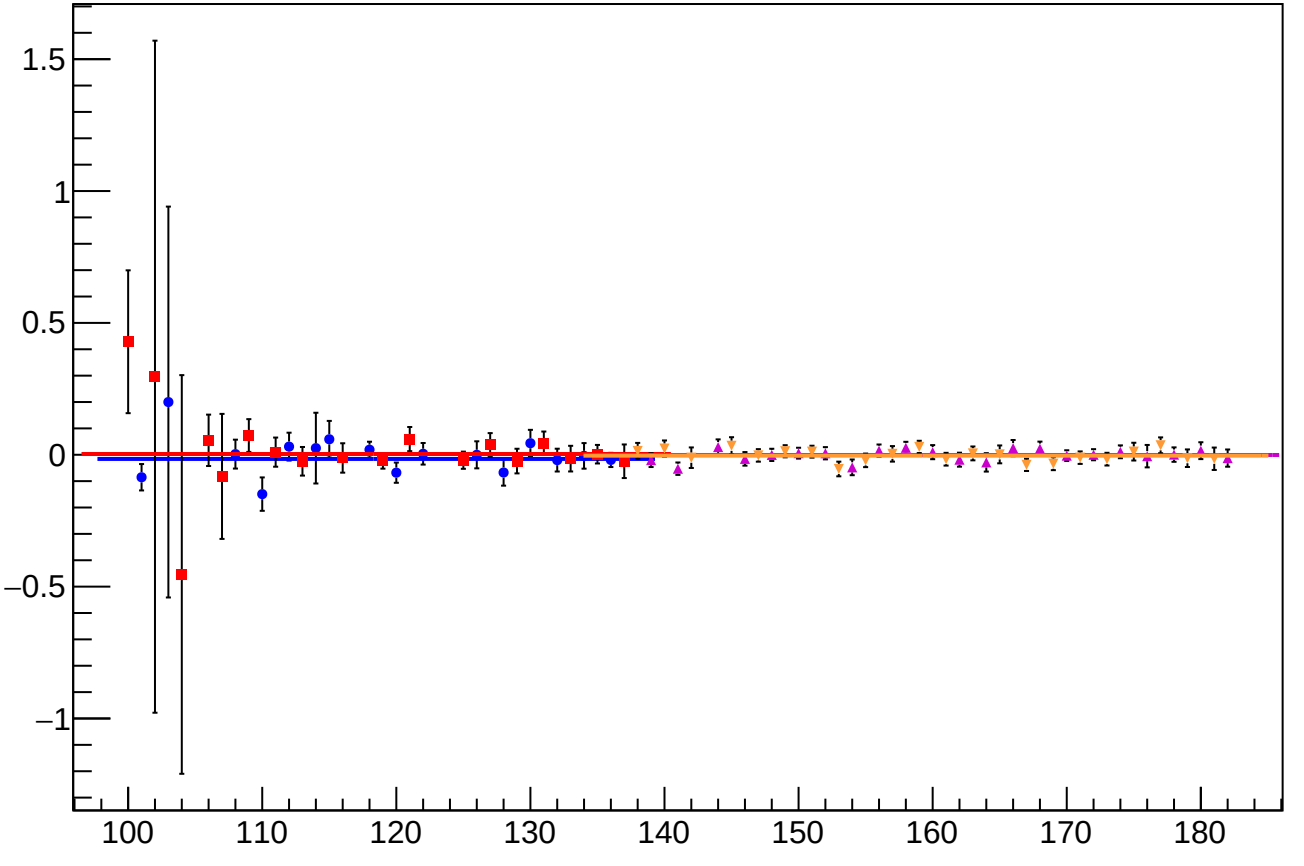
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:20018475.5/37

Out: 0.001+/-0.000 χ^2/NDF:19609952.9/39

All: 0.001+/-0.000 χ^2/NDF: 39990568.7/77

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: -0.003+/-0.006 χ^2/NDF:16.0/21

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.005 χ^2/NDF:14.9/21

Left: -0.002+/-0.004 χ^2/NDF: 31.0/43

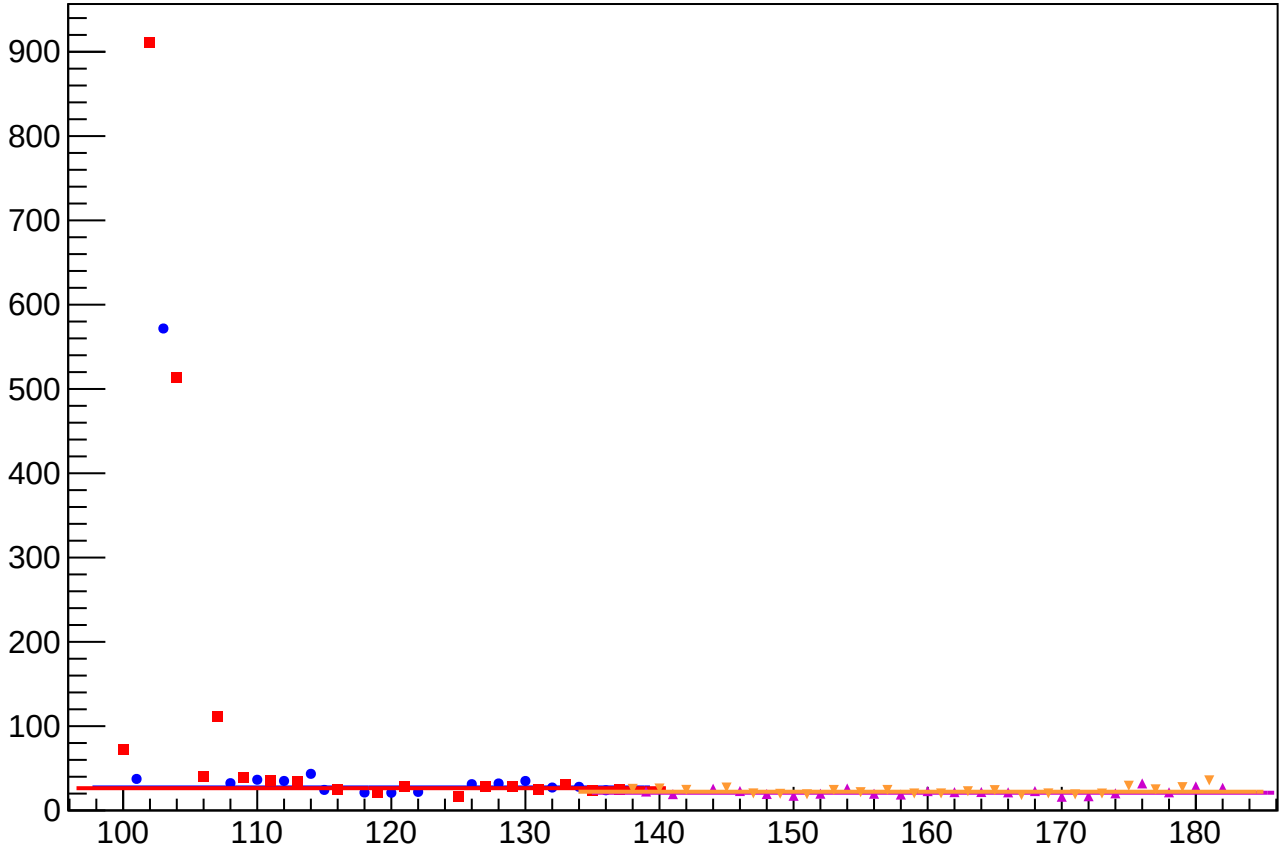
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.9/37

Out: -0.002+/-0.005 χ^2/NDF:26.1/39

All: -0.003+/-0.004 χ^2/NDF: 57.0/77

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: 22.222+/-0.004 χ^2/NDF:724949.3/21

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.015+/-0.004 χ^2/NDF:760789.8/21

Left: 21.584+/-0.003 χ^2/NDF: 1531350.9/43

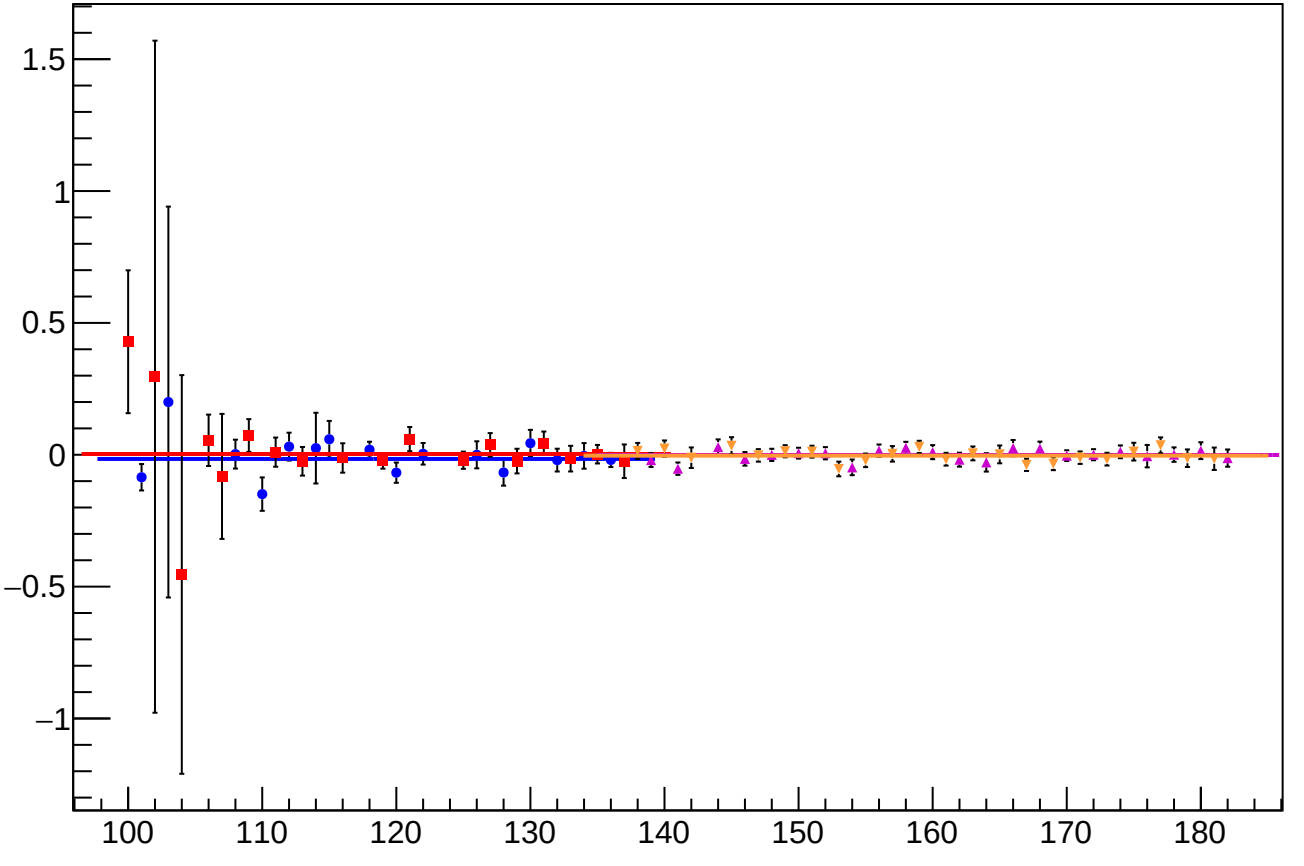
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.172+/-0.004 χ^2/NDF:2812426.0/37

Out: 23.013+/-0.004 χ^2/NDF:3535465.0/39

All: 22.570+/-0.003 χ^2/NDF: 6375158.2/77

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: -0.003+/-0.006 χ^2/NDF:16.0/21

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.005 χ^2/NDF:14.9/21

Left: -0.002+/-0.004 χ^2/NDF: 31.0/43

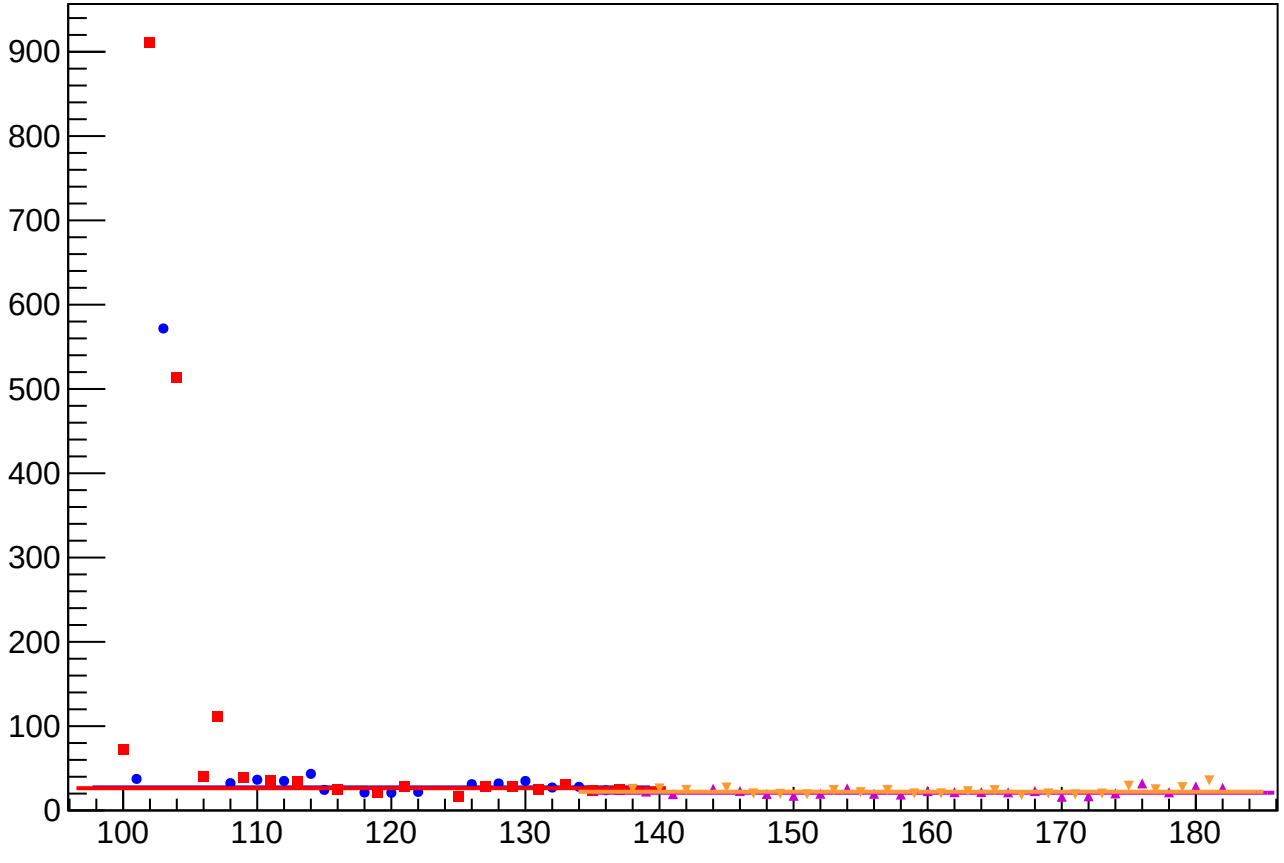
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.9/37

Out: -0.002+/-0.005 χ^2/NDF:26.1/39

All: -0.003+/-0.004 χ^2/NDF: 57.0/77

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: 22.222+/-0.004 χ^2/NDF:724949.3/21

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.015+/-0.004 χ^2/NDF:760789.8/21

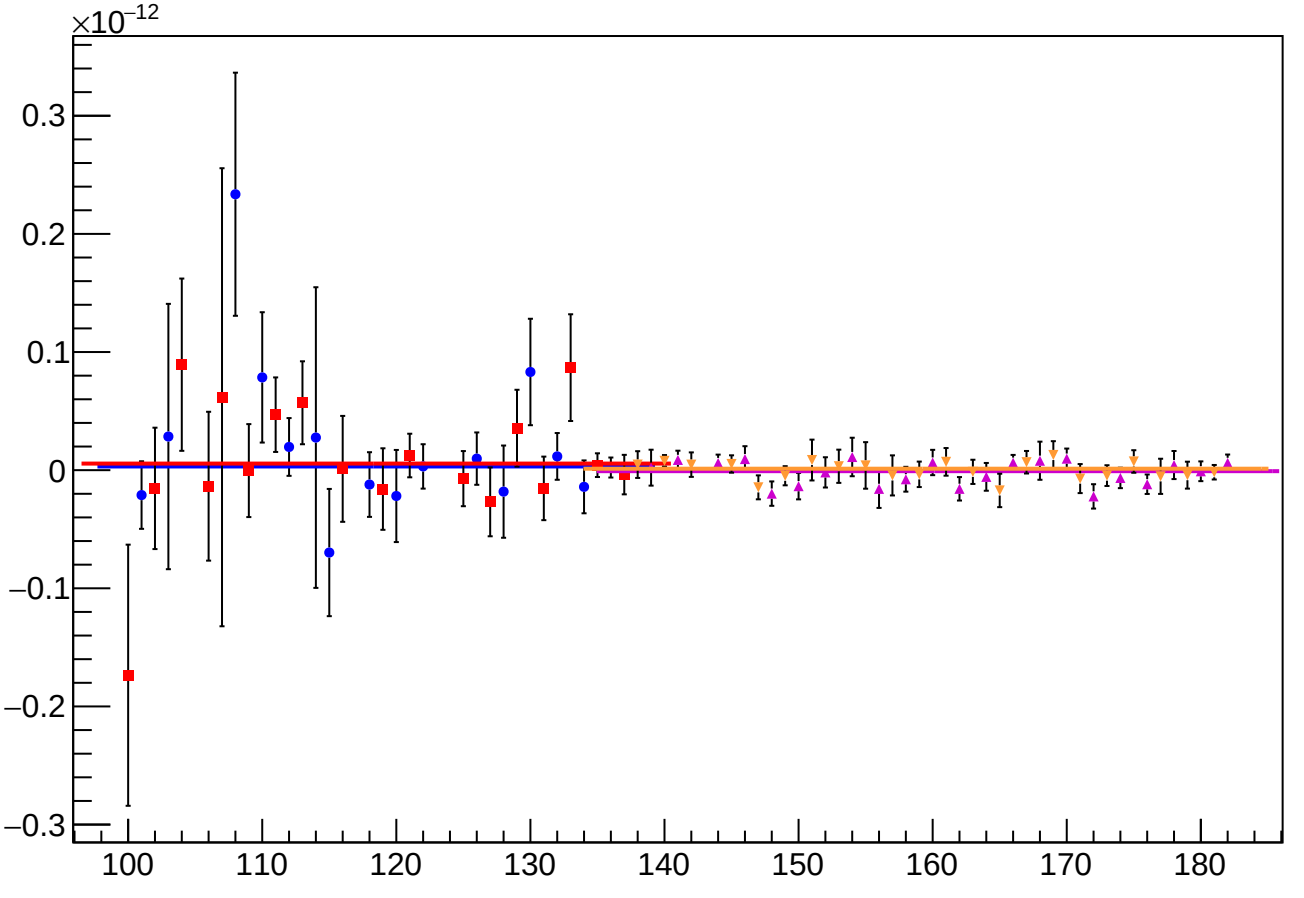
Left: 21.584+/-0.003 χ^2/NDF: 1531350.9/43

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.172+/-0.004 χ^2/NDF:2812426.0/37

Out: 23.013+/-0.004 χ^2/NDF:3535465.0/39

All: 22.570+/-0.003 χ^2/NDF: 6375158.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:23.5/21

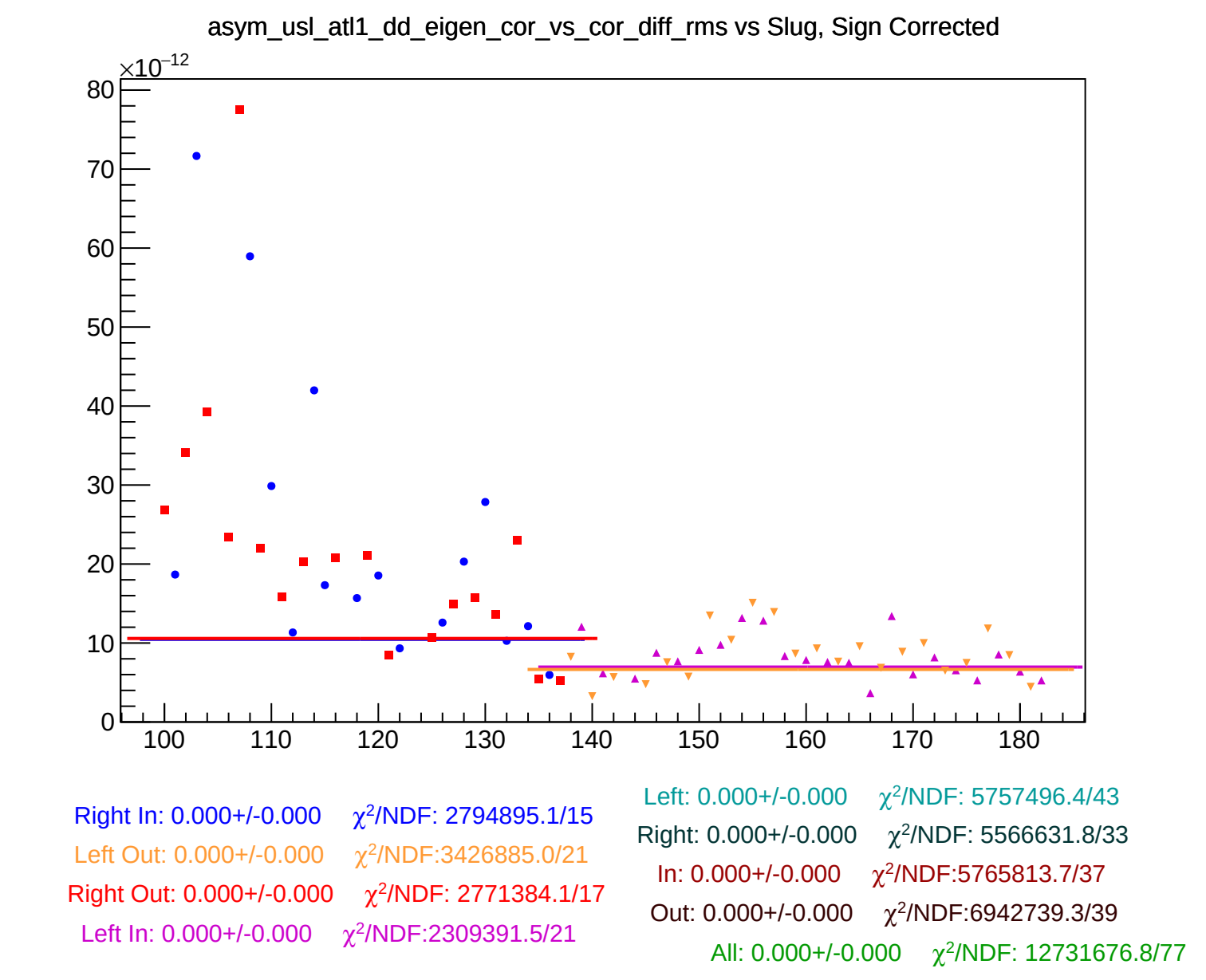
Left: 0.000+/-0.000 χ^2/NDF: 35.2/43

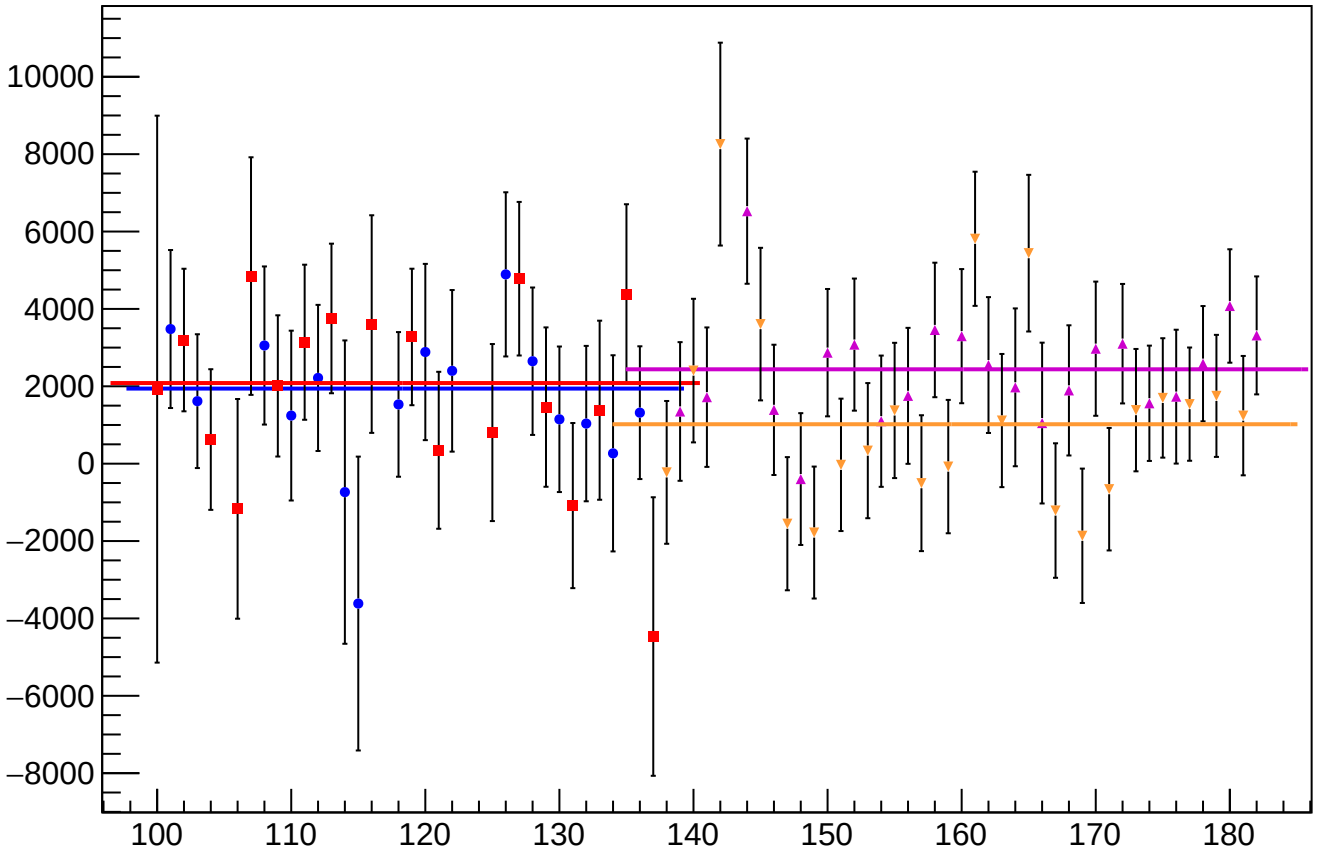
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: -0.000+/-0.000 χ^2/NDF:39.0/37

Out: 0.000+/-0.000 χ^2/NDF:26.8/39

All: 0.000+/-0.000 χ^2/NDF: 66.4/77


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3426885.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:2309391.5/21
Left: 0.000+/-0.000 χ²/NDF: 5757496.4/43
Right: 0.000+/-0.000 χ²/NDF: 5566631.8/33
In: 0.000+/-0.000 χ²/NDF:5765813.7/37
Out: 0.000+/-0.000 χ²/NDF:6942739.3/39
All: 0.000+/-0.000 χ²/NDF: 12731676.8/77



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1019.295+/-367.365 χ^2/NDF:35.6/21

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2439.228+/-360.855 χ^2/NDF:13.0/21

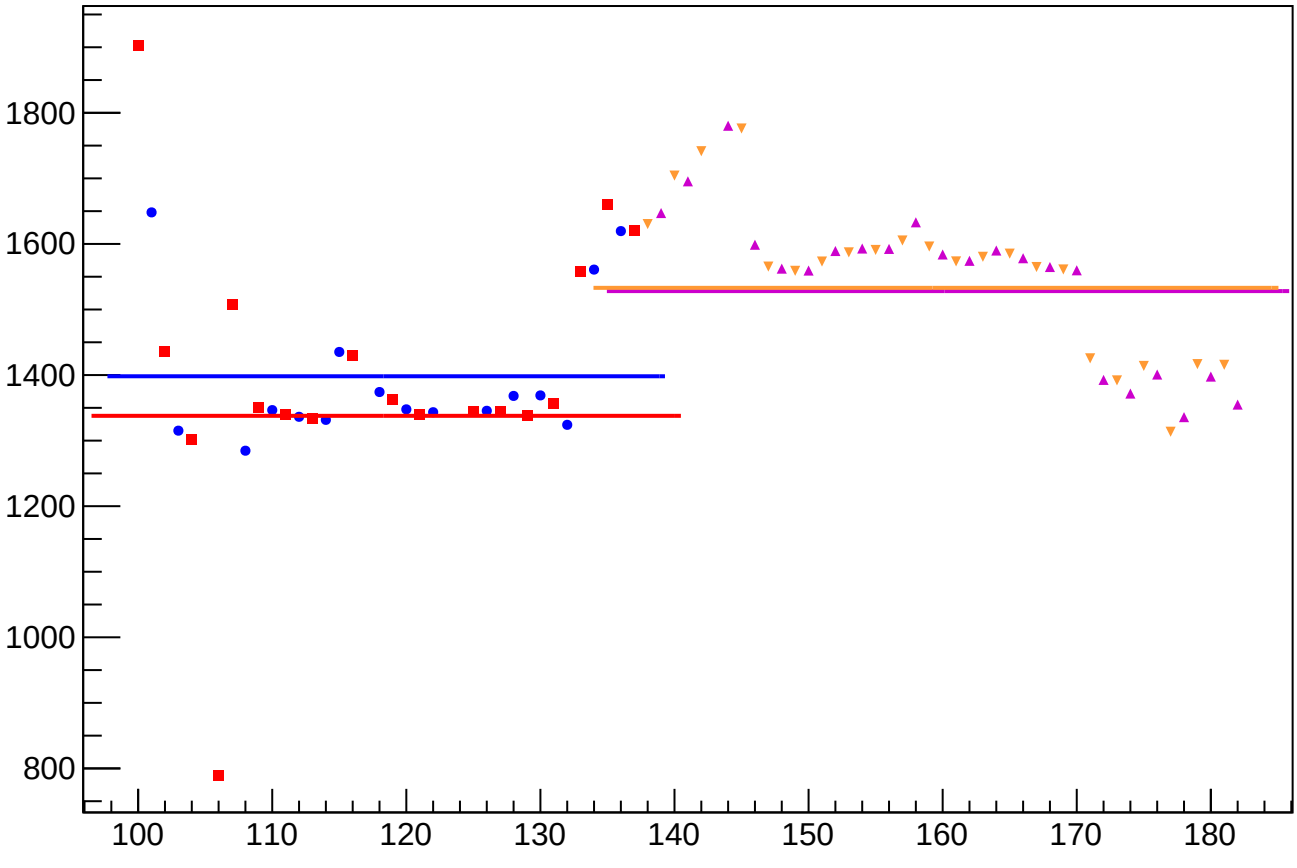
Left: 1741.954+/-257.434 χ^2/NDF: 56.2/43

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2278.187+/-296.865 χ^2/NDF:20.5/37

Out: 1374.134+/-299.962 χ^2/NDF:52.8/39

All: 1830.852+/-211.002 χ^2/NDF: 78.0/77



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1533.040+/-0.260 χ^2/NDF:187660.0/21

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1528.069+/-0.255 χ^2/NDF:213951.6/21

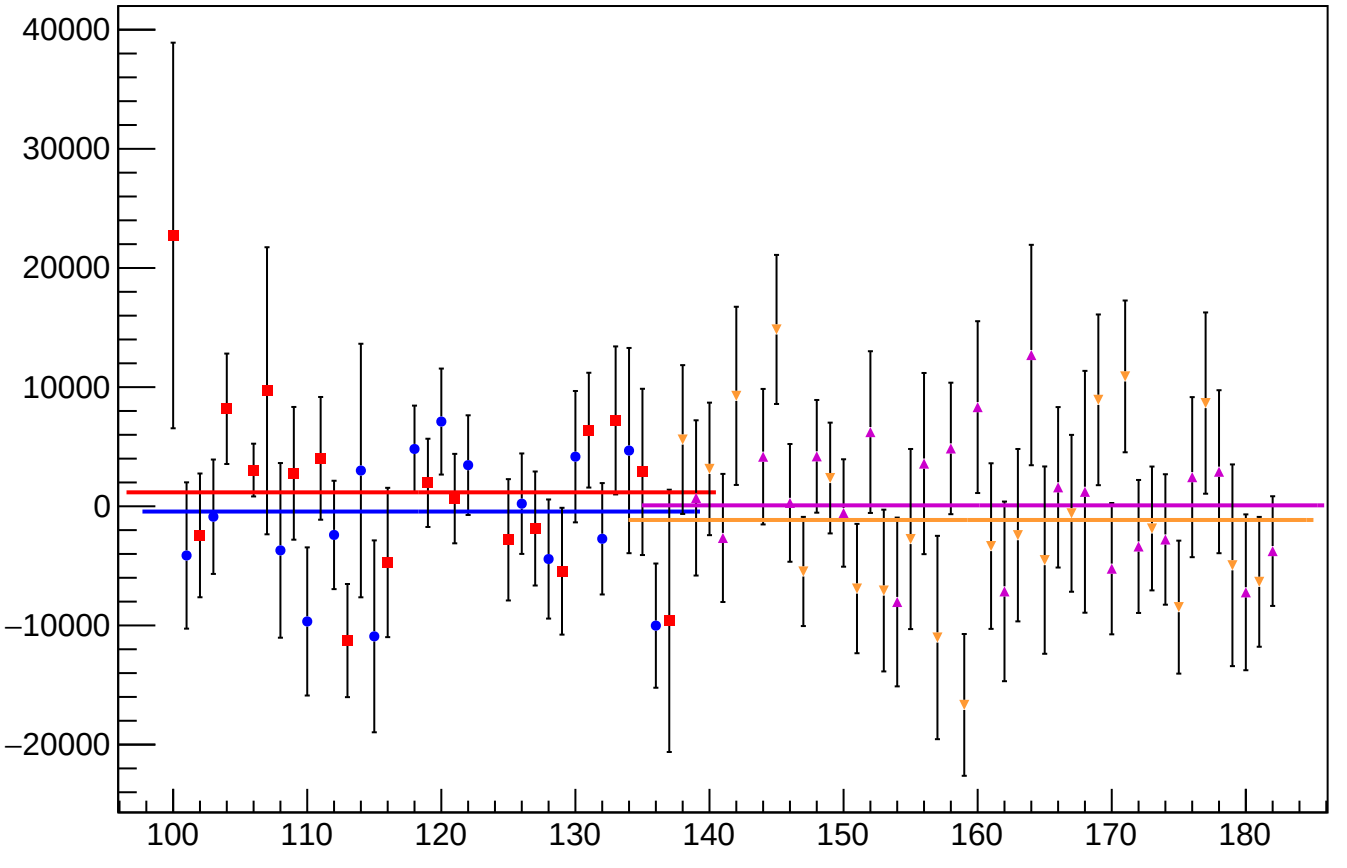
Left: 1530.510+/-0.182 χ^2/NDF: 401798.0/43

Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1486.081+/-0.210 χ^2/NDF:391651.8/37

Out: 1465.188+/-0.210 χ^2/NDF:701722.5/39

All: 1475.630+/-0.148 χ^2/NDF: 1098329.4/77



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1148.160+/-1327.168 χ^2/NDF:32.2/21

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 78.585+/-1281.879 χ^2/NDF:12.6/21

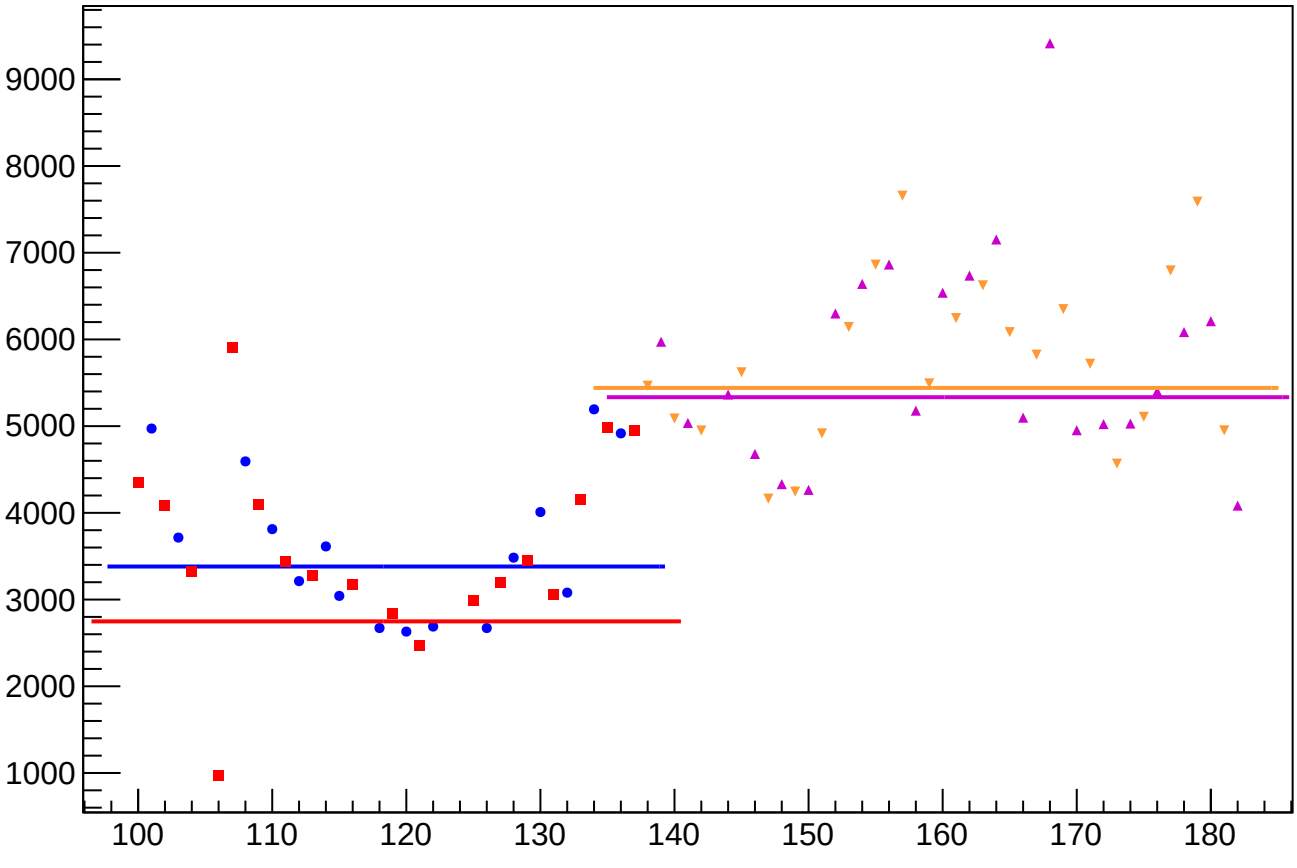
Left: -513.499+/-922.021 χ^2/NDF: 45.2/43

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: -178.446+/-911.348 χ^2/NDF:28.6/37

Out: 206.786+/-855.893 χ^2/NDF:53.6/39

All: 26.246+/-623.892 χ^2/NDF: 82.3/77



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5440.950+/-0.938 χ^2/NDF:960401.7/21

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5333.658+/-0.906 χ^2/NDF:1211978.9/21

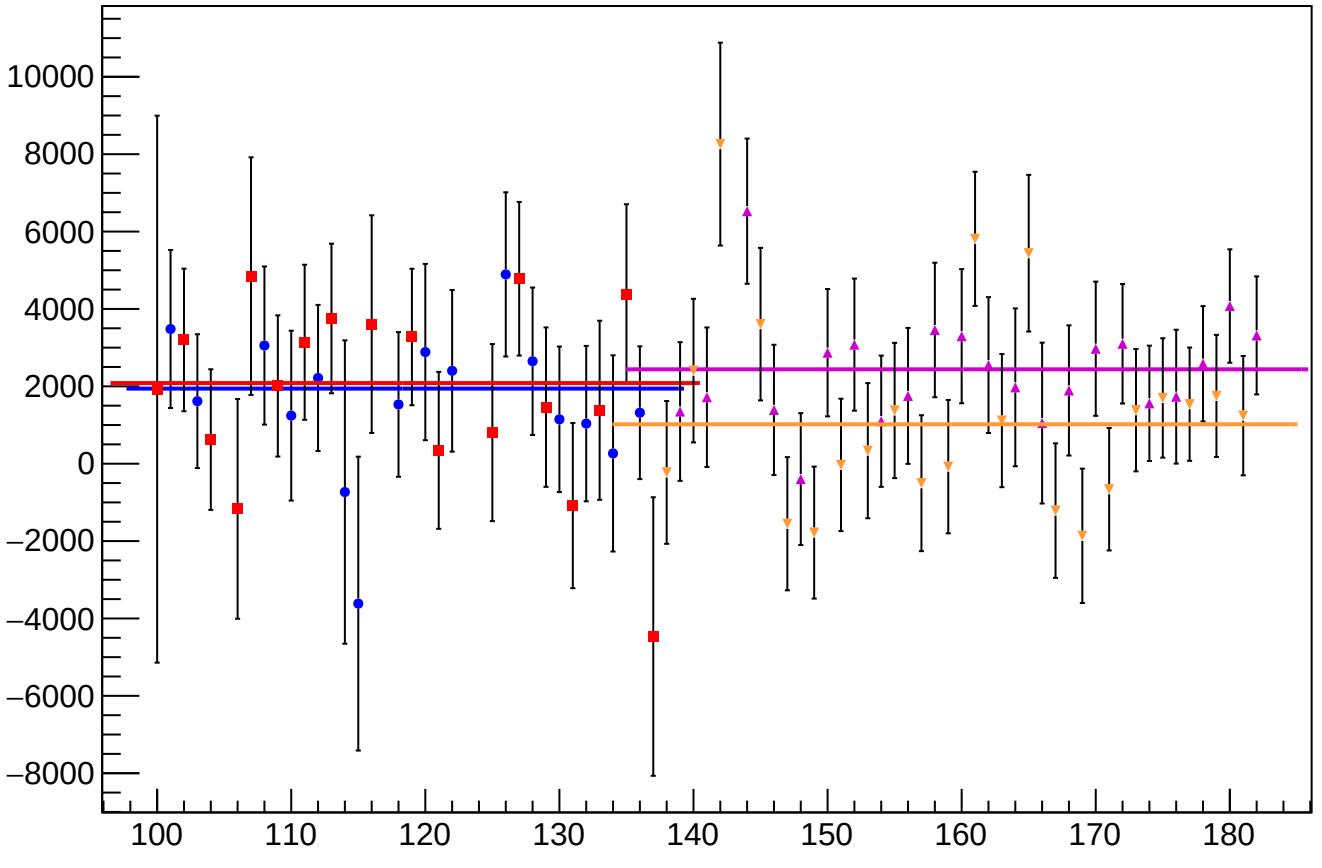
Left: 5385.442+/-0.652 χ^2/NDF: 2179143.0/43

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4368.020+/-0.644 χ^2/NDF:4263957.0/37

Out: 3868.210+/-0.605 χ^2/NDF:8033394.3/39

All: 4102.447+/-0.441 χ^2/NDF: 12616983.7/7



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1019.326+/-367.365 χ^2/NDF:35.6/21

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2439.209+/-360.855 χ^2/NDF:13.0/21

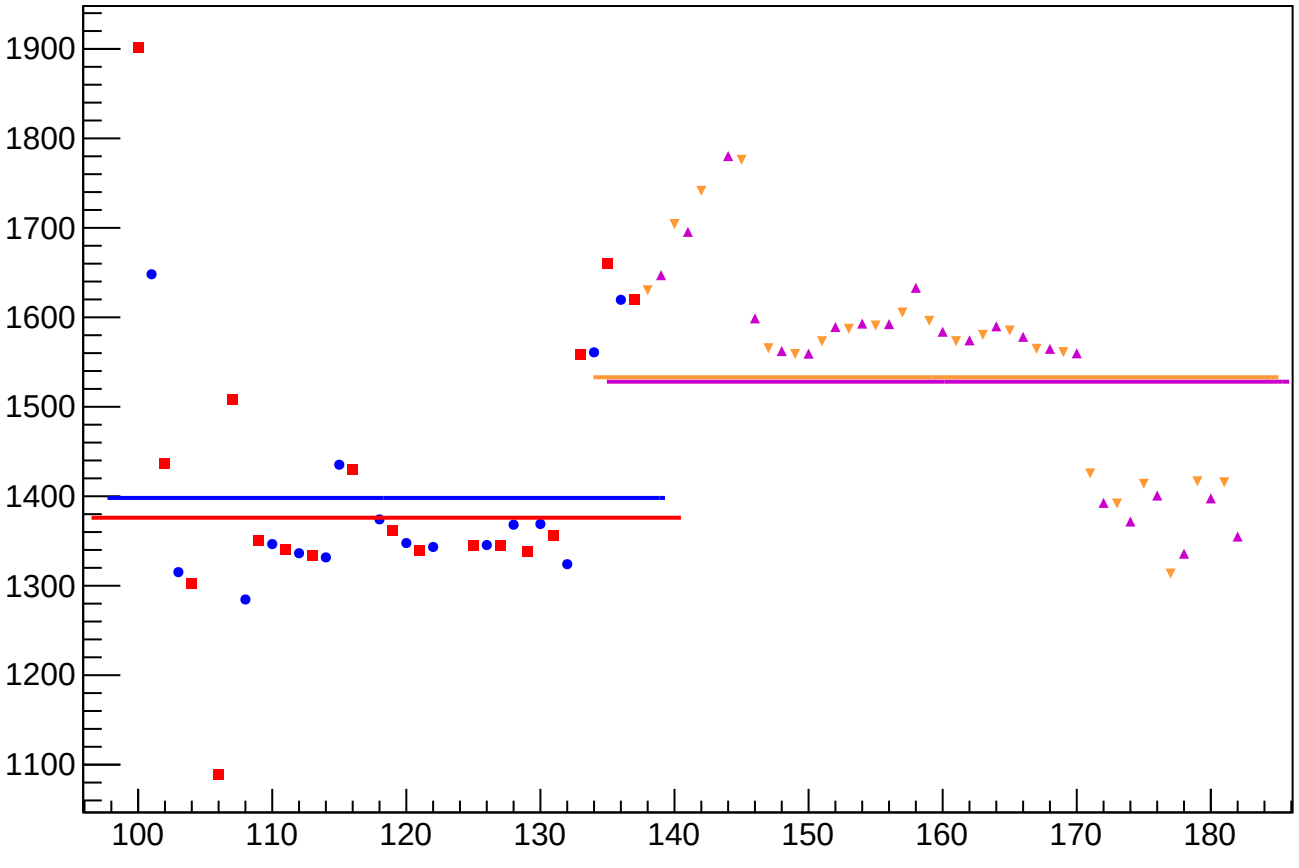
Left: 1741.959+/-257.434 χ^2/NDF: 56.2/43

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2278.192+/-296.865 χ^2/NDF:20.5/37

Out: 1374.224+/-299.963 χ^2/NDF:52.9/39

All: 1830.899+/-211.002 χ^2/NDF: 78.0/77



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1533.040+/-0.260 χ^2/NDF:187660.0/21

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1528.069+/-0.255 χ^2/NDF:213951.6/21

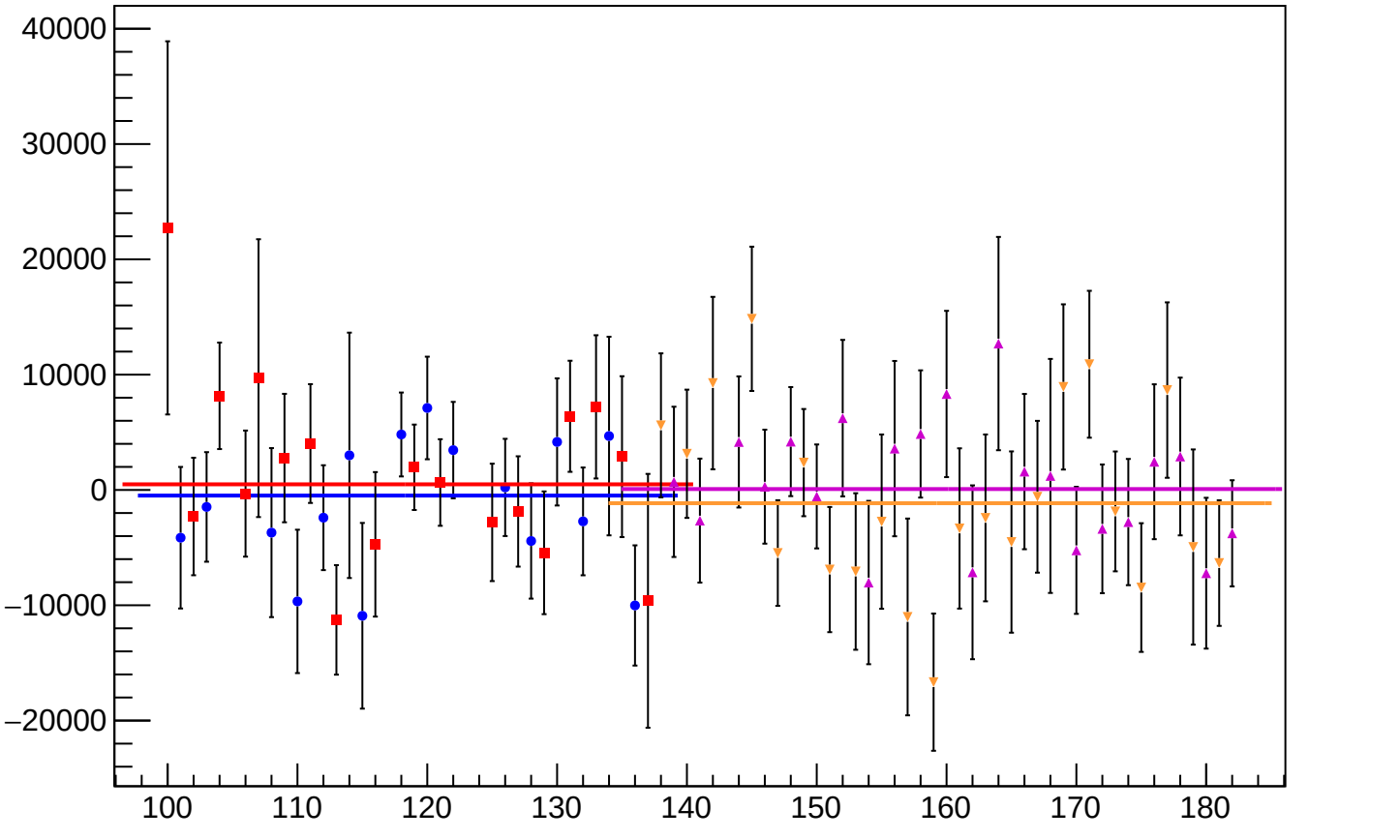
Left: 1530.510+/-0.182 χ^2/NDF: 401798.0/43

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1486.081+/-0.210 χ^2/NDF:391651.9/37

Out: 1479.770+/-0.211 χ^2/NDF:425650.2/39

All: 1482.944+/-0.149 χ^2/NDF: 817751.5/77



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1148.154+/-1327.169 χ^2/NDF:32.2/21

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 78.667+/-1281.877 χ^2/NDF:12.6/21

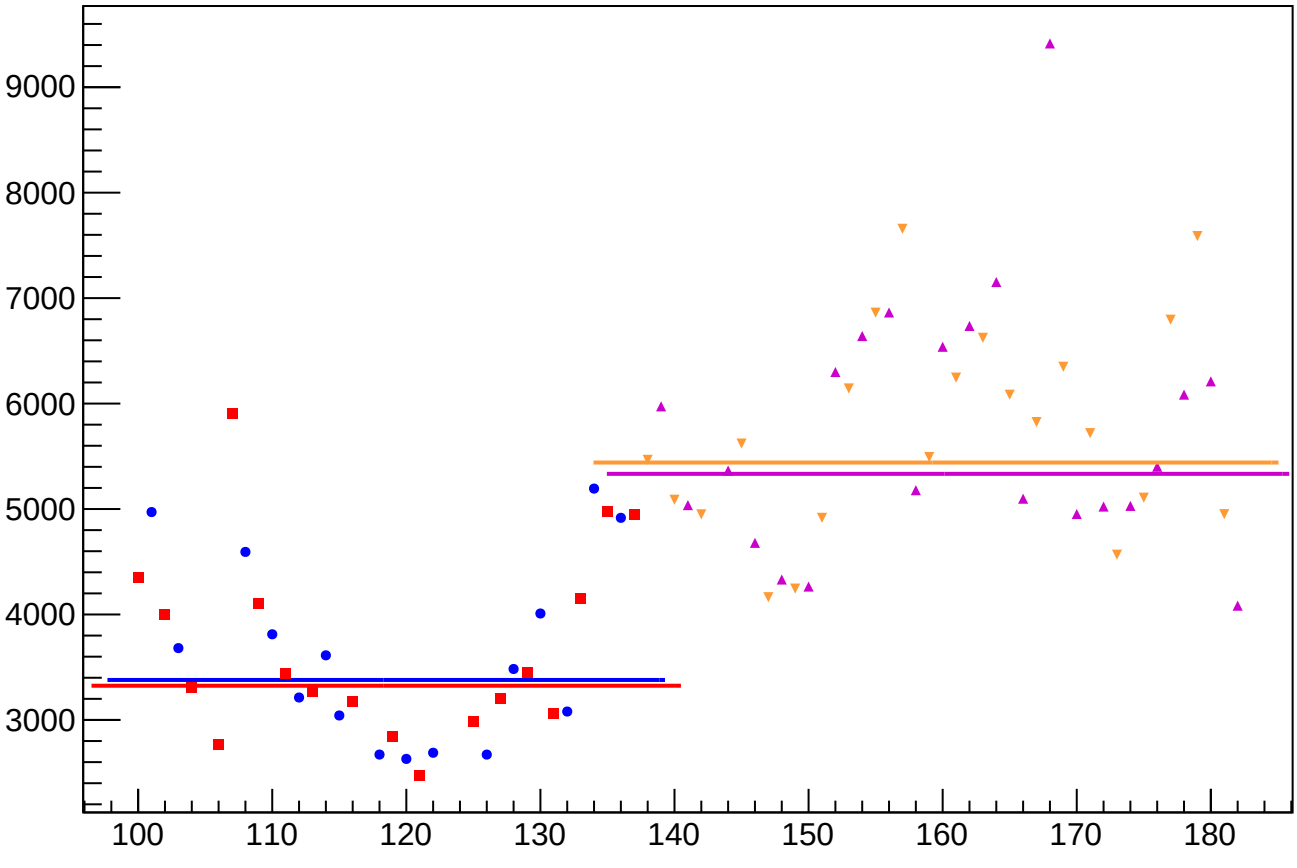
Left: -513.453+/-922.020 χ^2/NDF: 45.2/43

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -201.085+/-911.004 χ^2/NDF:28.7/37

Out: -288.166+/-914.279 χ^2/NDF:51.7/39

All: -244.469+/-645.332 χ^2/NDF: 80.4/77



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5440.954+/-0.938 χ^2/NDF:960397.8/21

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5333.652+/-0.906 χ^2/NDF:1211991.0/21

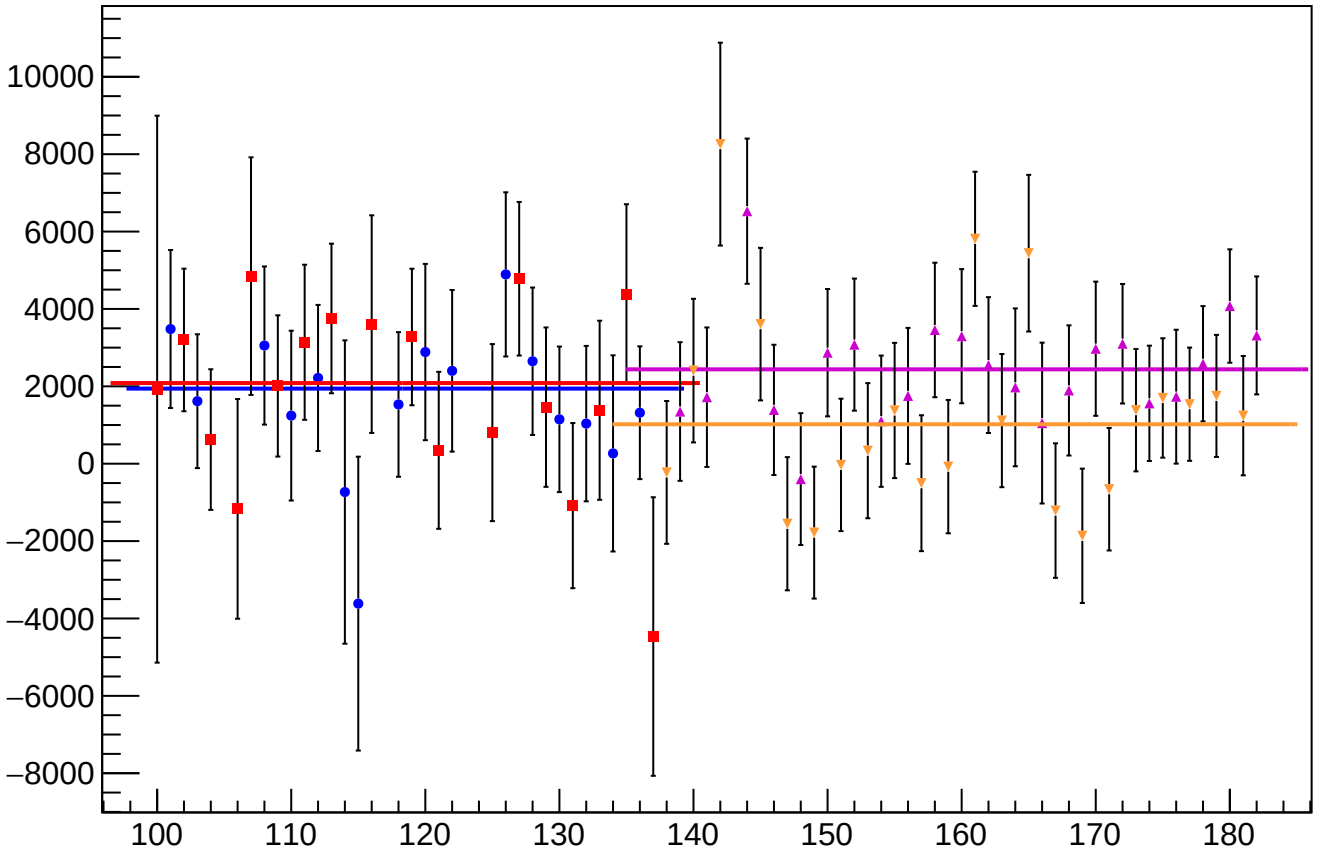
Left: 5385.441+/-0.652 χ^2/NDF: 2179152.5/43

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4366.281+/-0.644 χ^2/NDF:4268637.7/37

Out: 4328.890+/-0.646 χ^2/NDF:4176765.0/39

All: 4347.653+/-0.456 χ^2/NDF: 8447081.2/77



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1019.326+/-367.365 χ^2/NDF:35.6/21

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2439.209+/-360.855 χ^2/NDF:13.0/21

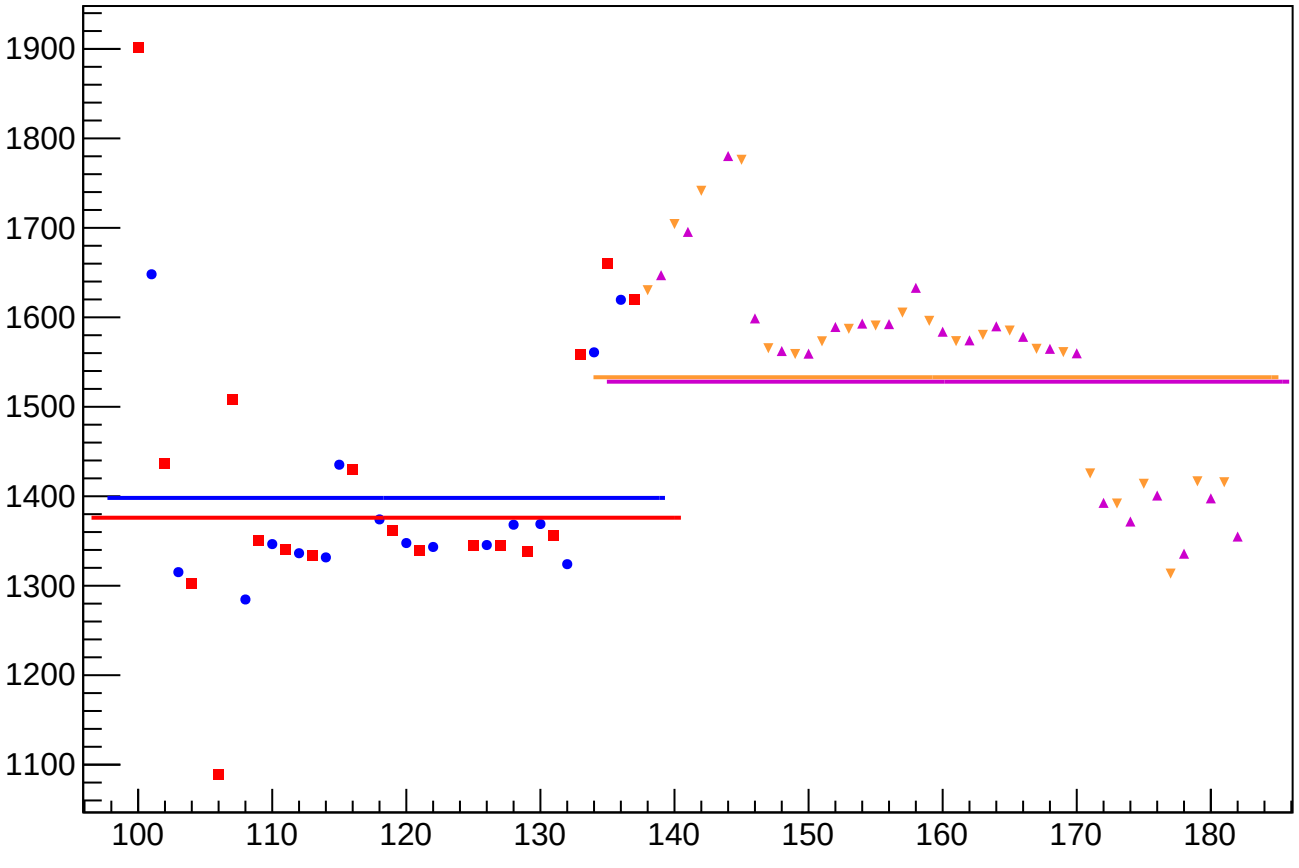
Left: 1741.959+/-257.434 χ^2/NDF: 56.2/43

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2278.192+/-296.865 χ^2/NDF:20.5/37

Out: 1374.224+/-299.963 χ^2/NDF:52.9/39

All: 1830.899+/-211.002 χ^2/NDF: 78.0/77



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1533.040+/-0.260 χ^2/NDF:187660.0/21

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1528.069+/-0.255 χ^2/NDF:213951.6/21

Left: 1530.510+/-0.182 χ^2/NDF: 401798.0/43

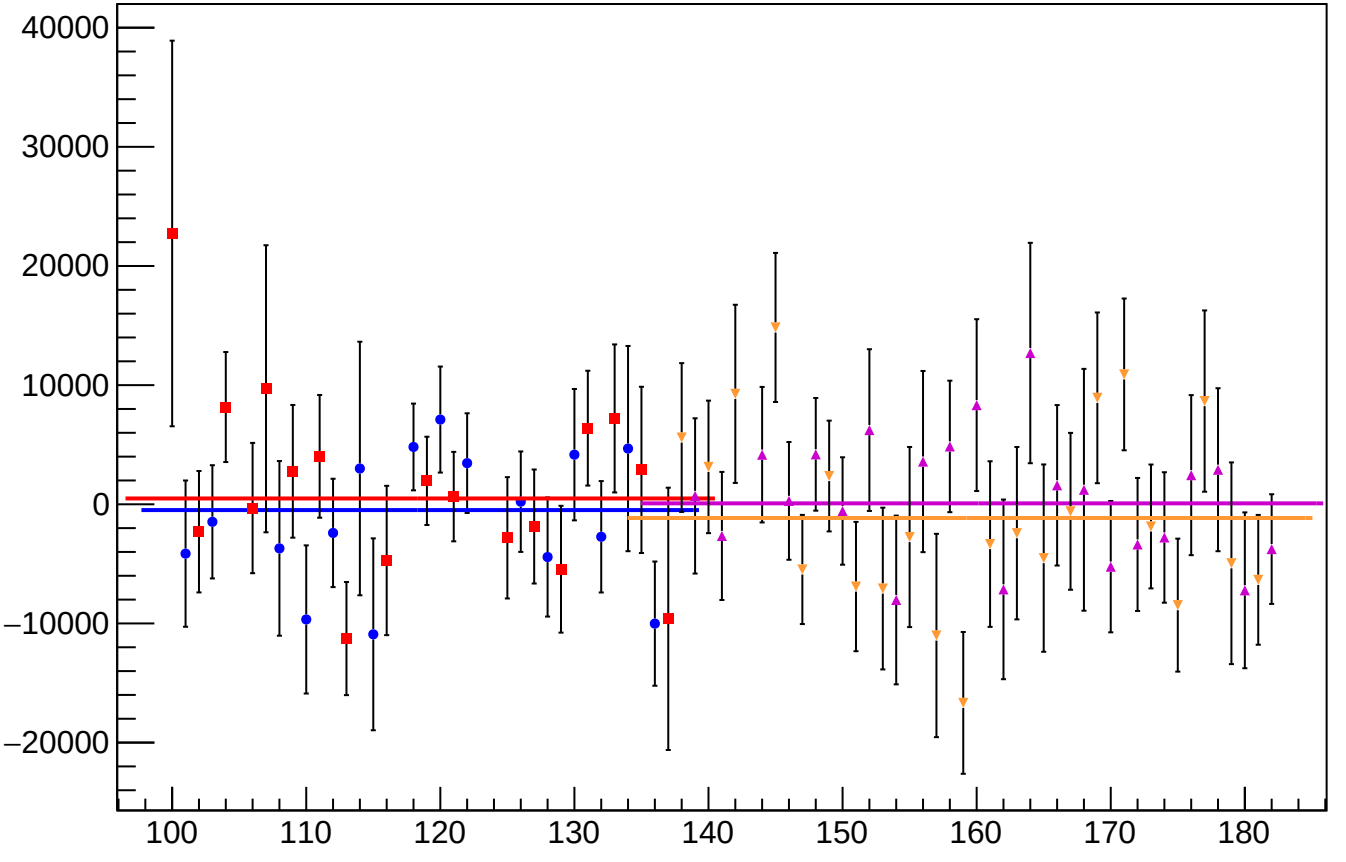
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1486.081+/-0.210 χ^2/NDF:391651.9/37

Out: 1479.770+/-0.211 χ^2/NDF:425650.2/39

All: 1482.944+/-0.149 χ^2/NDF: 817751.5/77

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: -1148.154+/-1327.169 χ^2/NDF:32.2/21

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 78.667+/-1281.877 χ^2/NDF:12.6/21

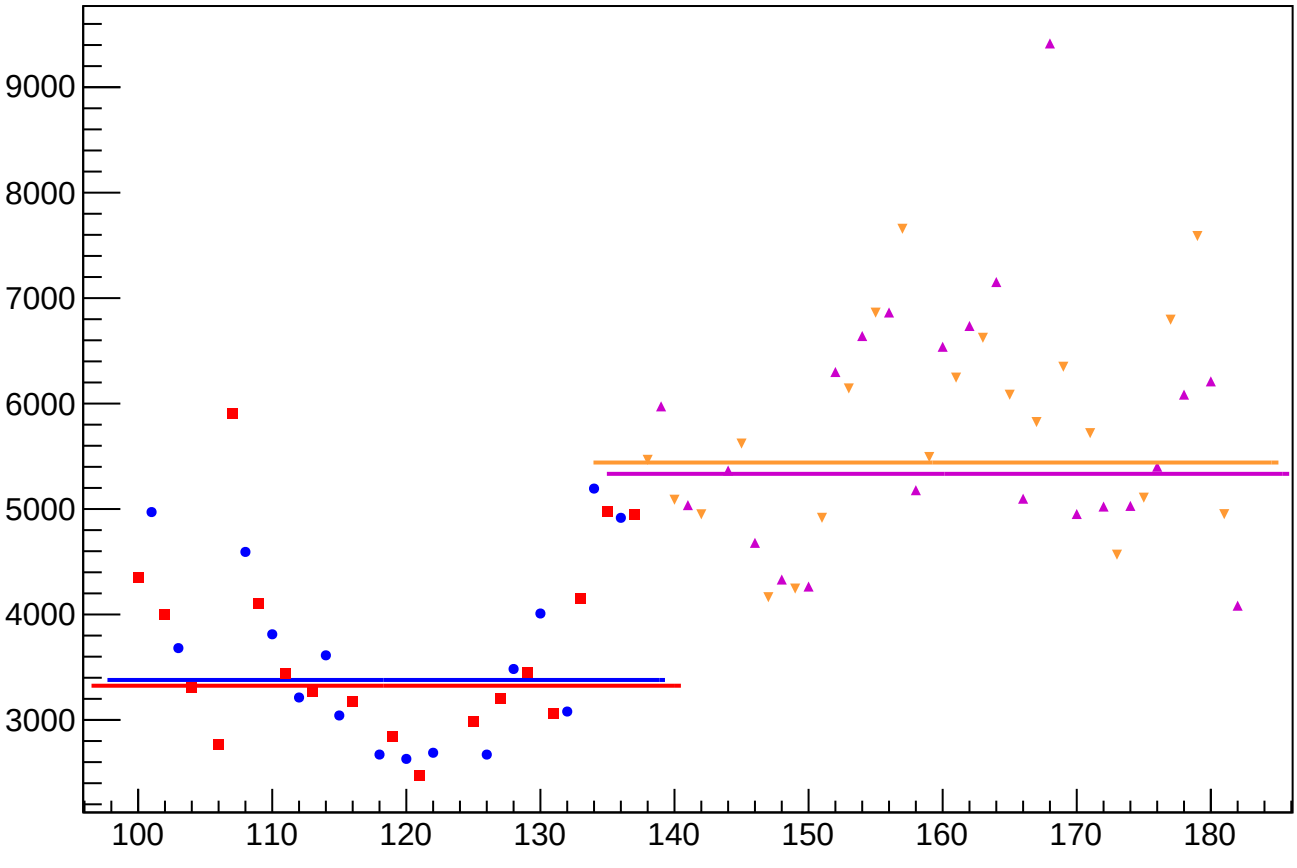
Left: -513.453+/-922.020 χ^2/NDF: 45.2/43

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -201.085+/-911.004 χ^2/NDF:28.7/37

Out: -288.166+/-914.279 χ^2/NDF:51.7/39

All: -244.469+/-645.332 χ^2/NDF: 80.4/77



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5440.954+/-0.938 χ^2/NDF:960397.8/21

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5333.652+/-0.906 χ^2/NDF:1211991.0/21

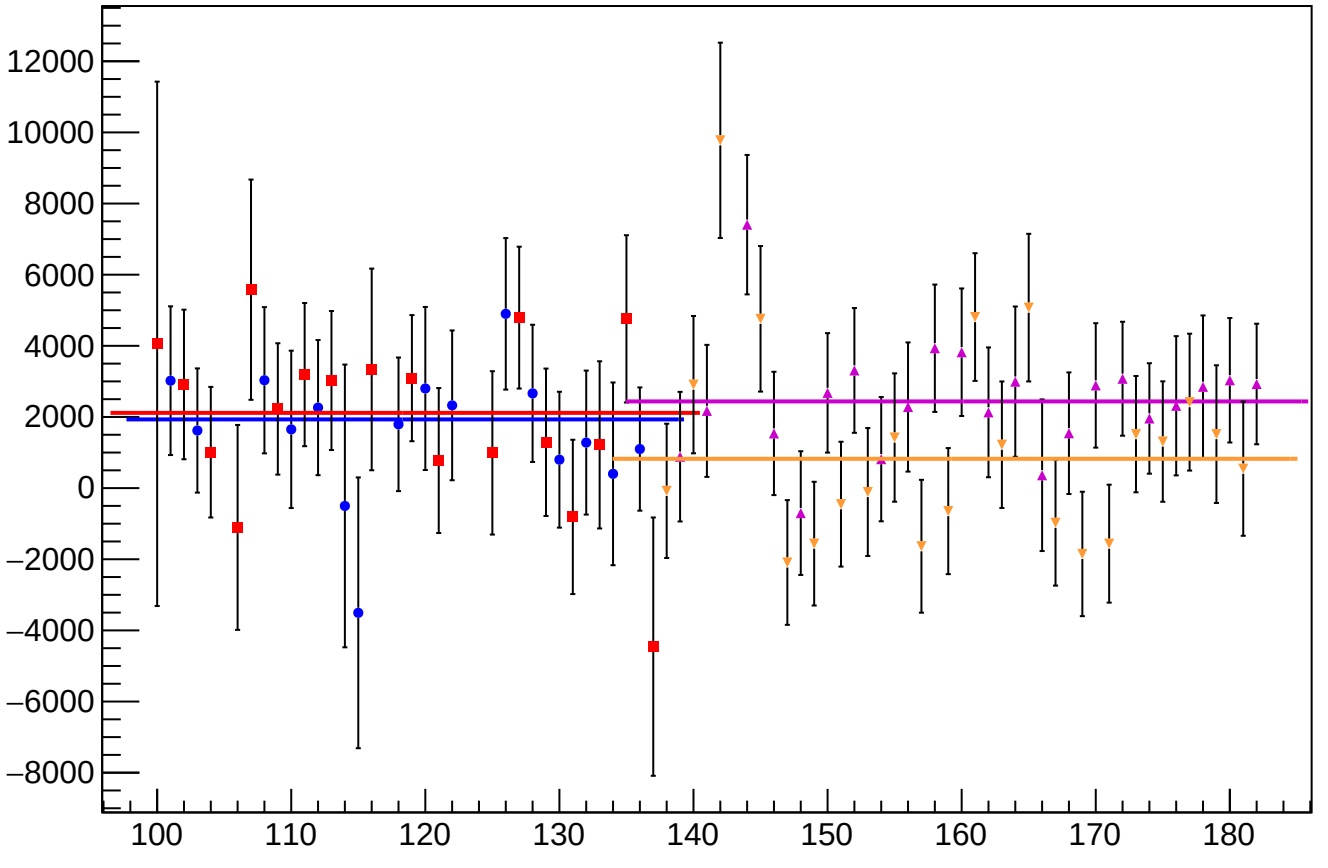
Left: 5385.441+/-0.652 χ^2/NDF: 2179152.5/43

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4366.281+/-0.644 χ^2/NDF:4268637.7/37

Out: 4328.890+/-0.646 χ^2/NDF:4176765.0/39

All: 4347.653+/-0.456 χ^2/NDF: 8447081.2/77



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 824.244+/-391.208 χ^2/NDF:39.4/21

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2436.944+/-382.025 χ^2/NDF:15.0/21

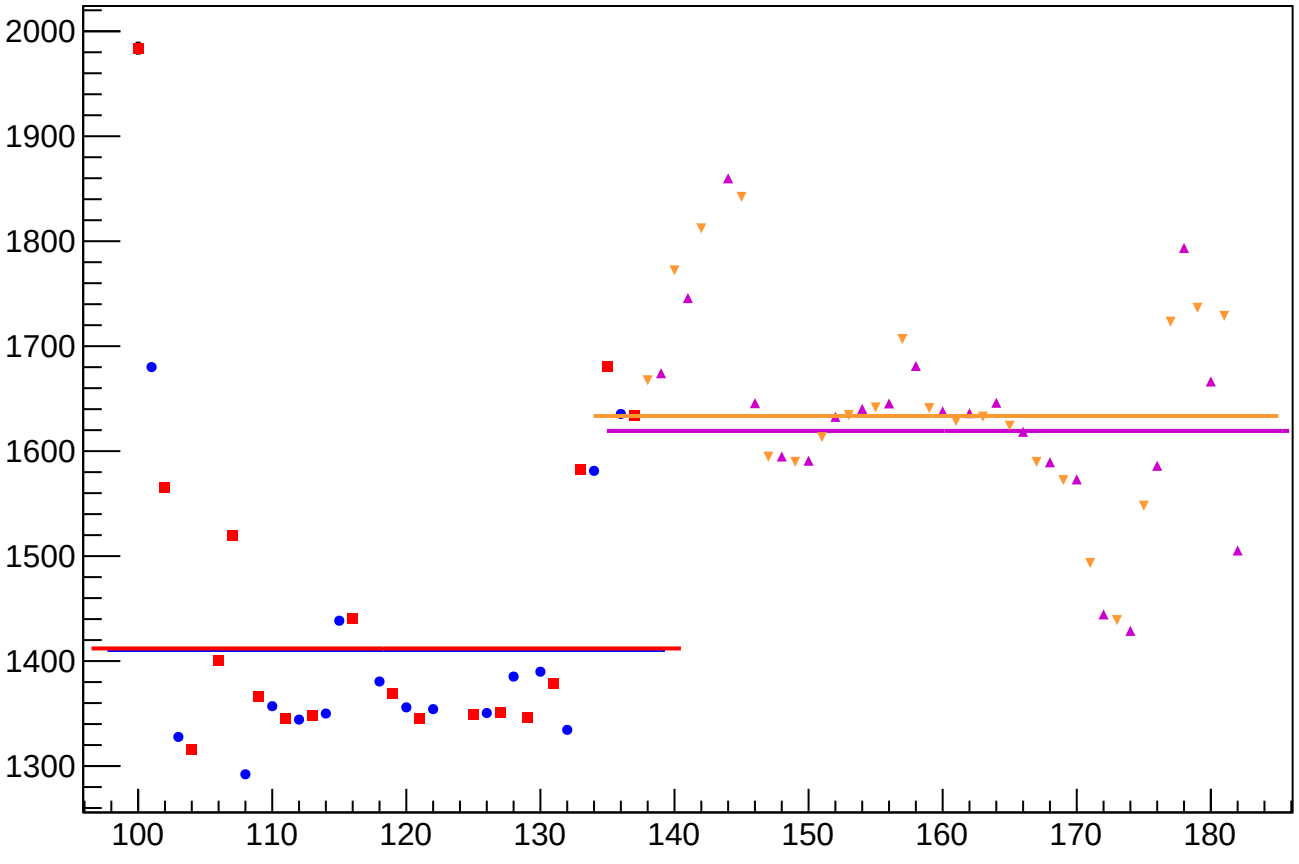
Left: 1649.743+/-273.321 χ^2/NDF: 63.1/43

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2262.904+/-309.333 χ^2/NDF:22.0/37

Out: 1280.871+/-314.499 χ^2/NDF:56.5/39

All: 1780.020+/-220.535 χ^2/NDF: 83.4/77



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1633.506+/-0.277 χ^2/NDF:112448.3/21

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1619.247+/-0.270 χ^2/NDF:128696.9/21

Left: 1626.207+/-0.193 χ^2/NDF: 242505.2/43

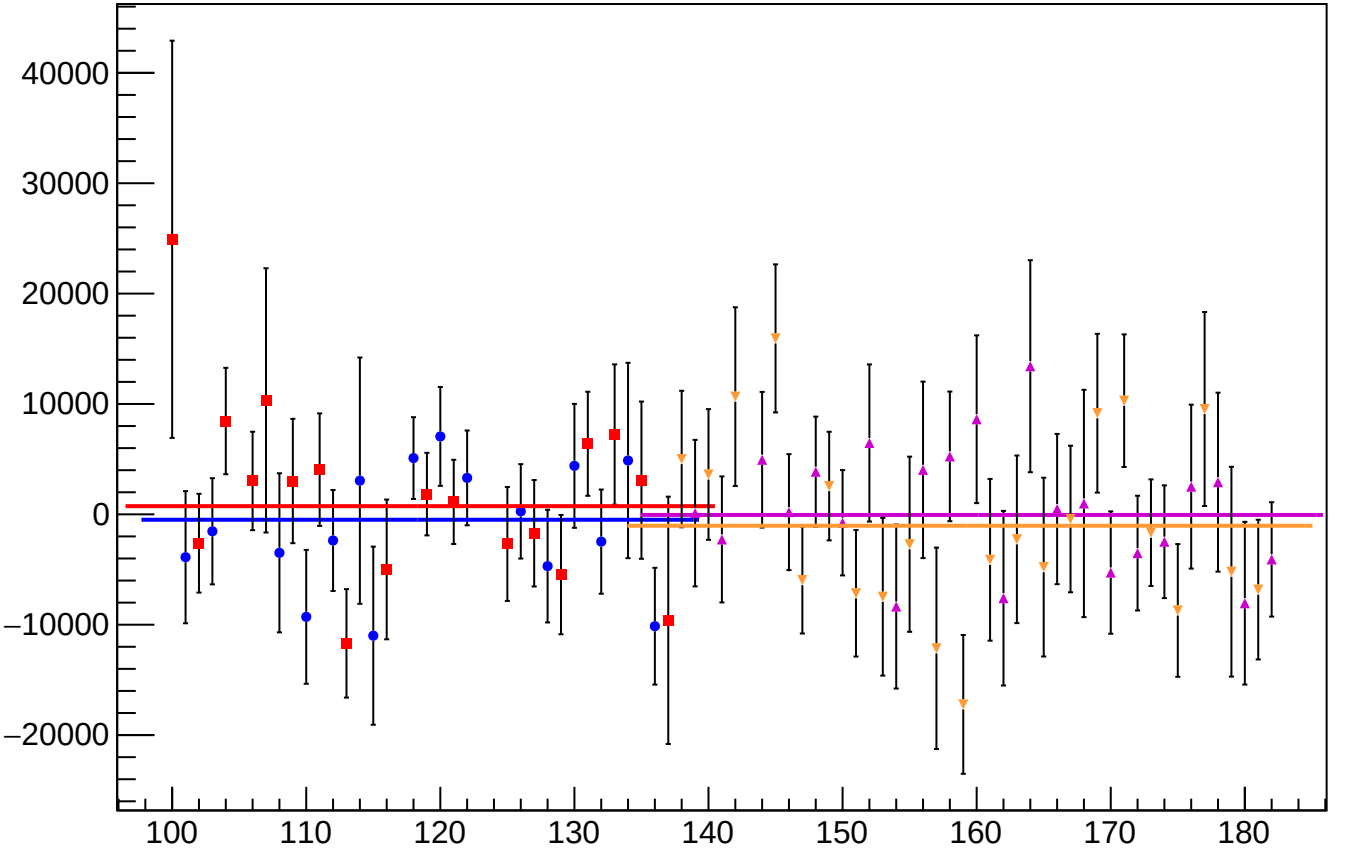
Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1547.397+/-0.219 χ^2/NDF:433293.3/37

Out: 1554.902+/-0.222 χ^2/NDF:429635.3/39

All: 1551.091+/-0.156 χ^2/NDF: 863508.1/77

asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -1034.934+/-1386.949 χ^2/NDF:31.9/21

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: -54.778+/-1342.767 χ^2/NDF:12.4/21

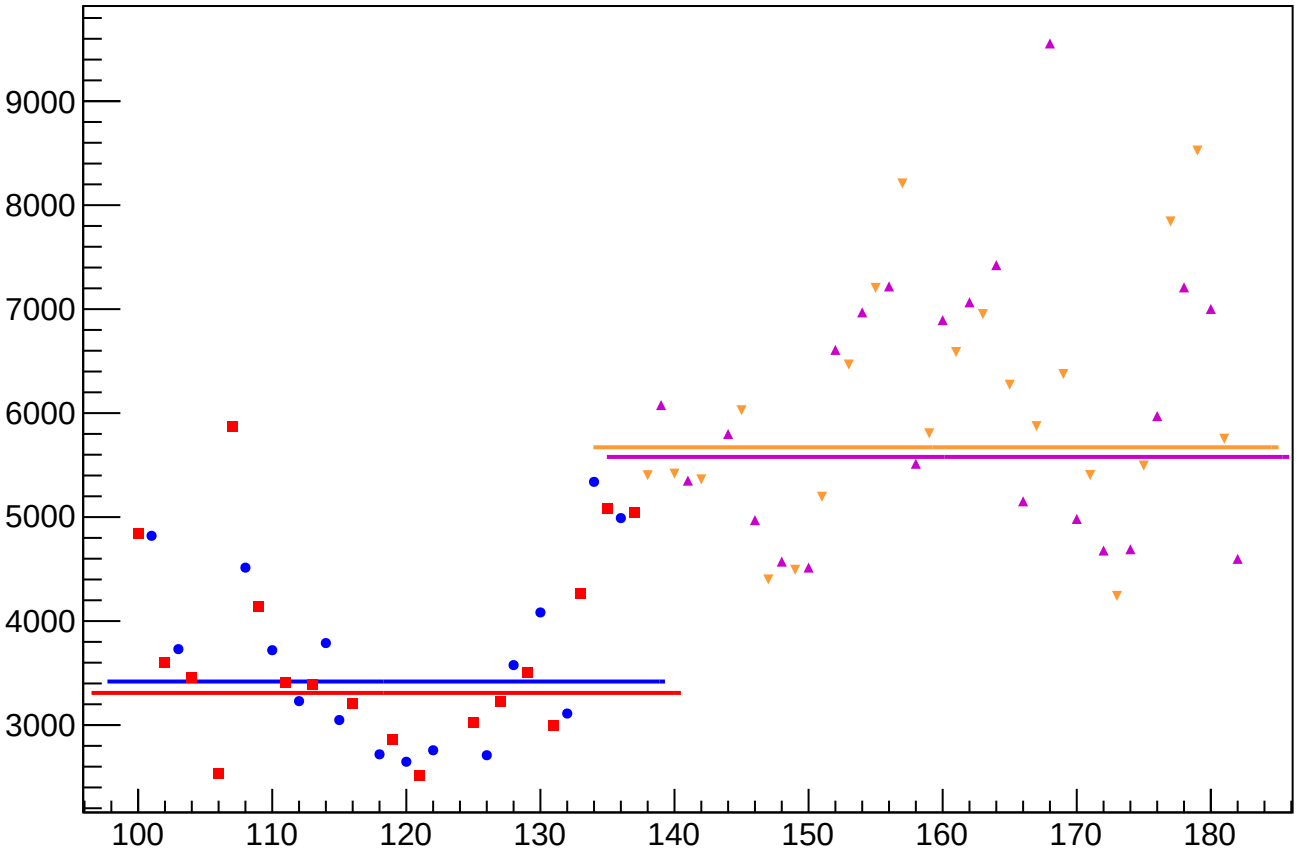
Left: -528.996+/-964.721 χ^2/NDF: 44.5/43

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -277.675+/-937.200 χ^2/NDF:28.3/37

Out: -53.765+/-927.694 χ^2/NDF:51.9/39

All: -164.579+/-659.314 χ^2/NDF: 80.3/77



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5671.605+/-0.981 χ^2/NDF:1141347.8/21

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5578.728+/-0.949 χ^2/NDF:1307387.5/21

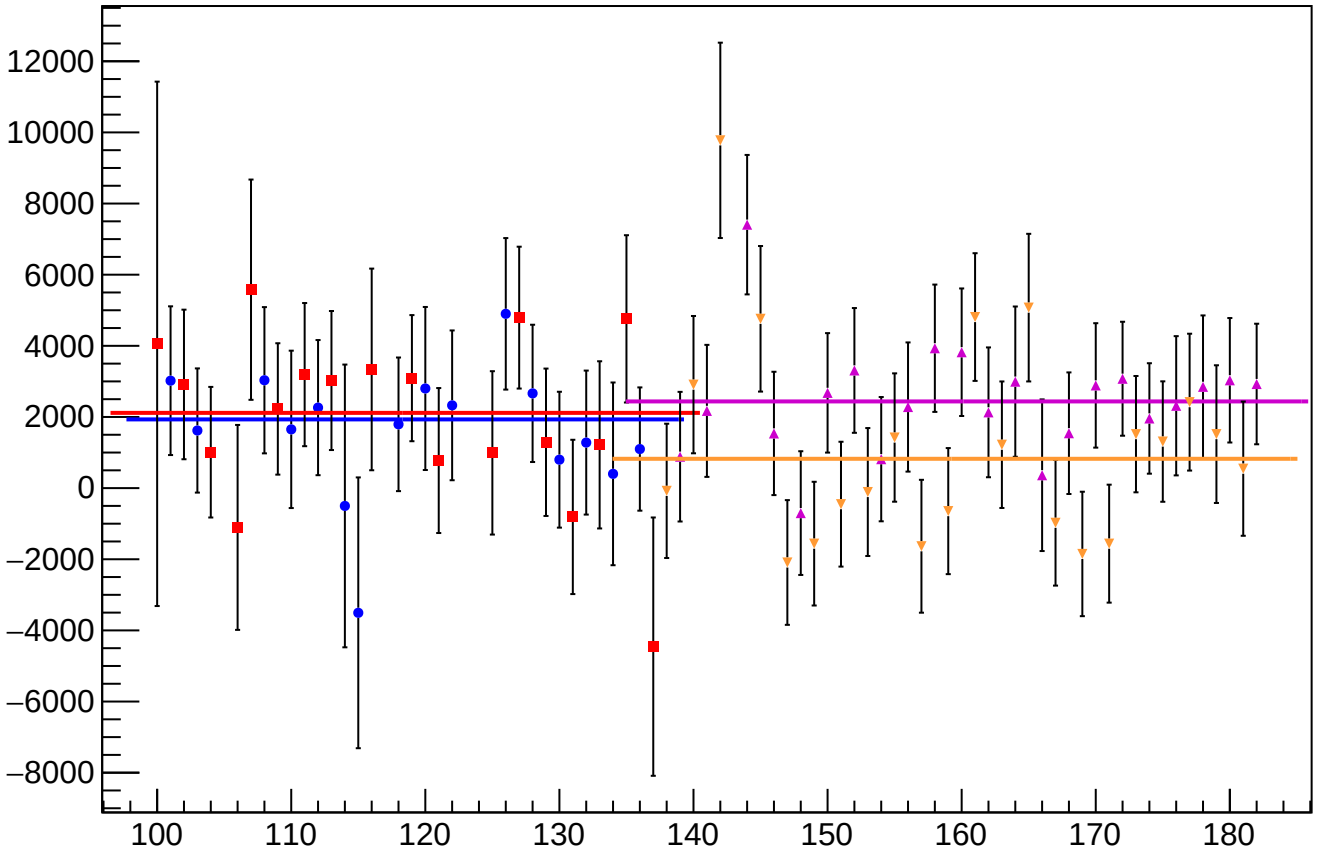
Left: 5623.664+/-0.682 χ^2/NDF: 2453364.8/43

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4470.959+/-0.663 χ^2/NDF:4682823.3/37

Out: 4366.073+/-0.656 χ^2/NDF:4920052.2/39

All: 4417.982+/-0.466 χ^2/NDF: 9615528.0/77



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 824.238+/-391.208 χ^2/NDF:39.4/21

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2436.944+/-382.025 χ^2/NDF:15.0/21

Left: 1649.740+/-273.321 χ^2/NDF: 63.1/43

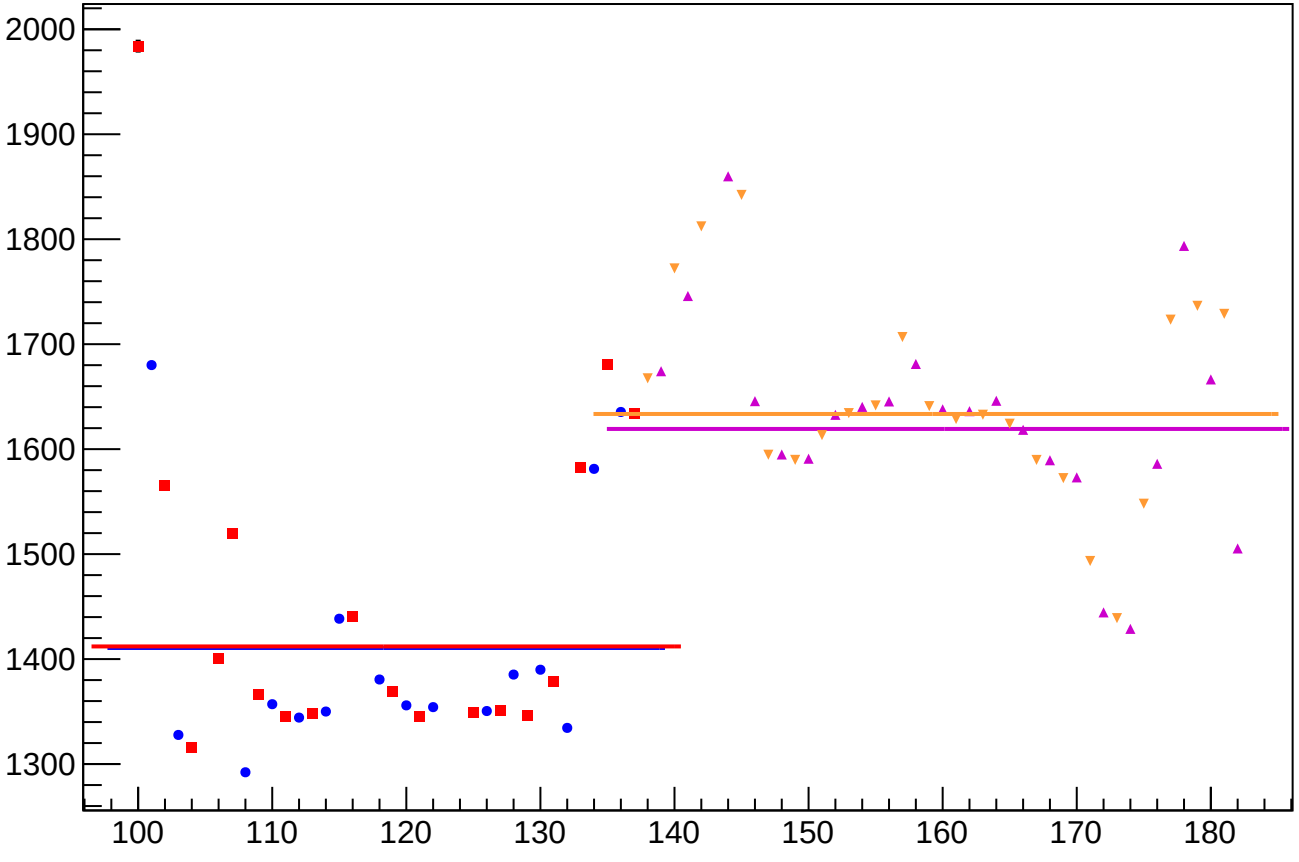
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2262.904+/-309.333 χ^2/NDF:22.0/37

Out: 1280.868+/-314.499 χ^2/NDF:56.5/39

All: 1780.019+/-220.535 χ^2/NDF: 83.4/77

eigen_dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1633.507+/-0.277 χ^2/NDF:112453.7/21

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1619.248+/-0.270 χ^2/NDF:128701.9/21

Left: 1626.208+/-0.193 χ^2/NDF: 242515.5/43

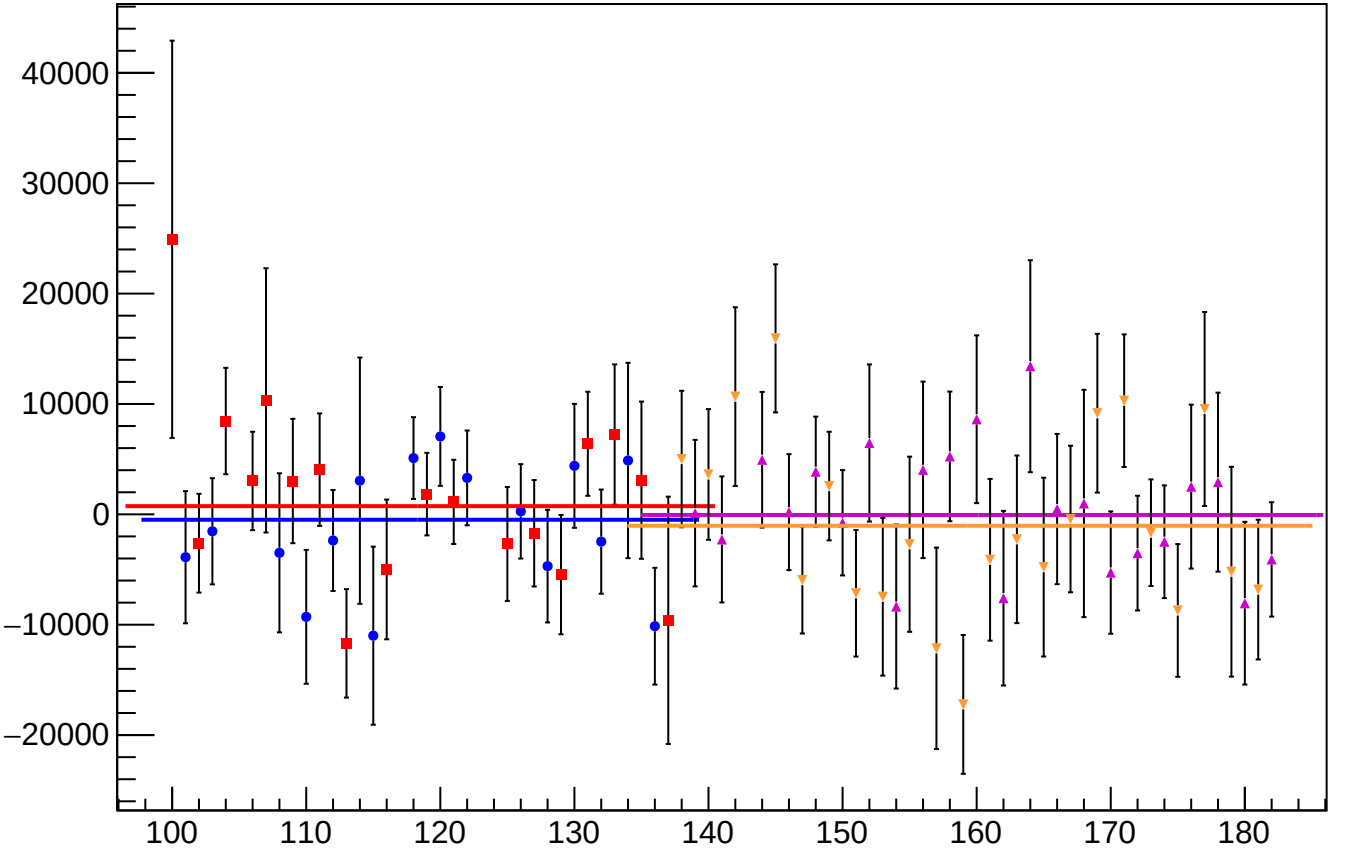
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1547.398+/-0.219 χ^2/NDF:433300.4/37

Out: 1554.903+/-0.222 χ^2/NDF:429643.5/39

All: 1551.092+/-0.156 χ^2/NDF: 863523.3/77

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: -1034.941+/-1386.951 χ^2/NDF:31.9/21

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -54.779+/-1342.769 χ^2/NDF:12.4/21

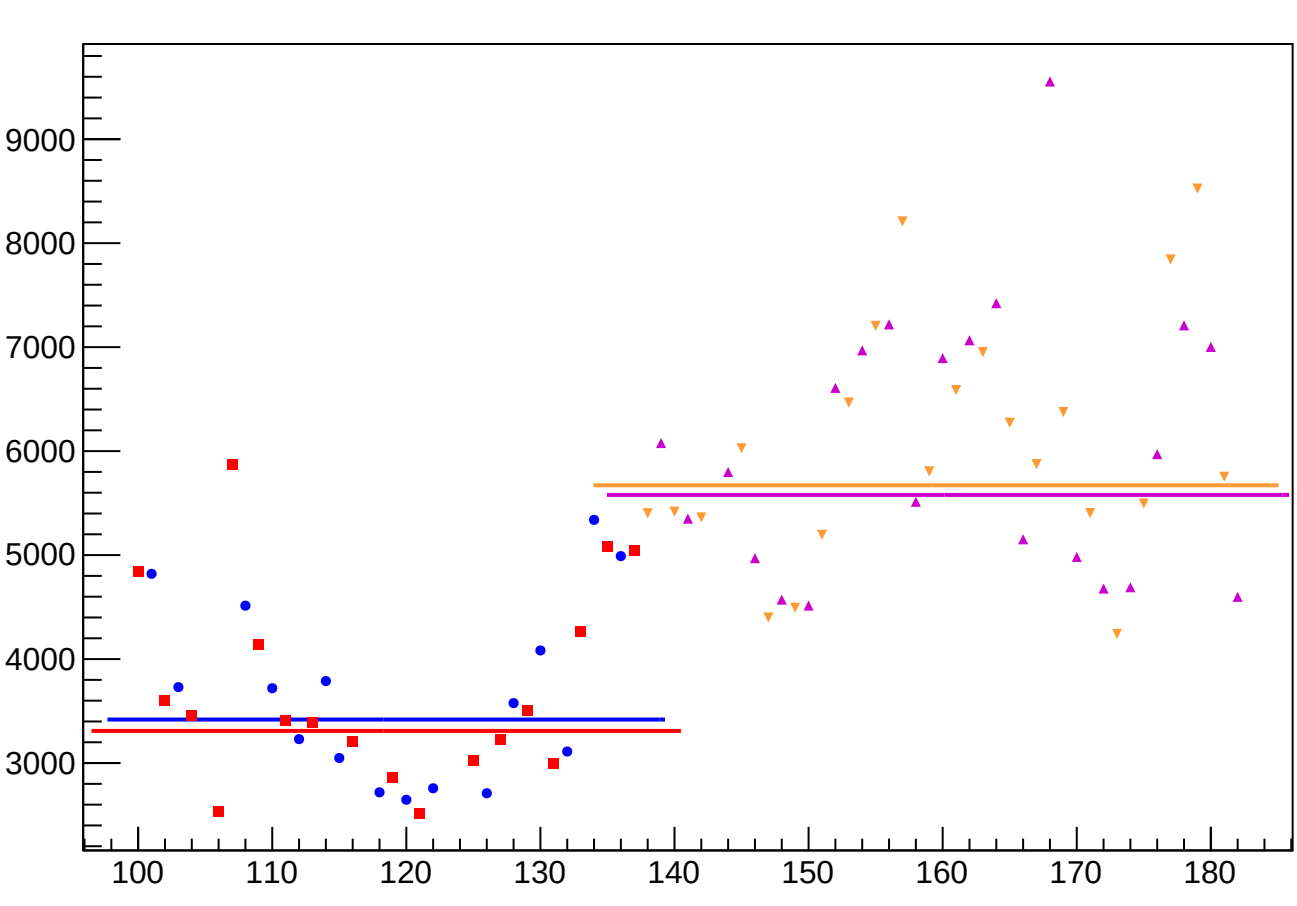
Left: -528.999+/-964.723 χ^2/NDF: 44.5/43

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -277.672+/-937.199 χ^2/NDF:28.3/37

Out: -53.762+/-927.693 χ^2/NDF:51.9/39

All: -164.576+/-659.313 χ^2/NDF: 80.3/77



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5671.614+/-0.981 χ^2/NDF:1141348.6/21

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5578.736+/-0.949 χ^2/NDF:1307389.4/21

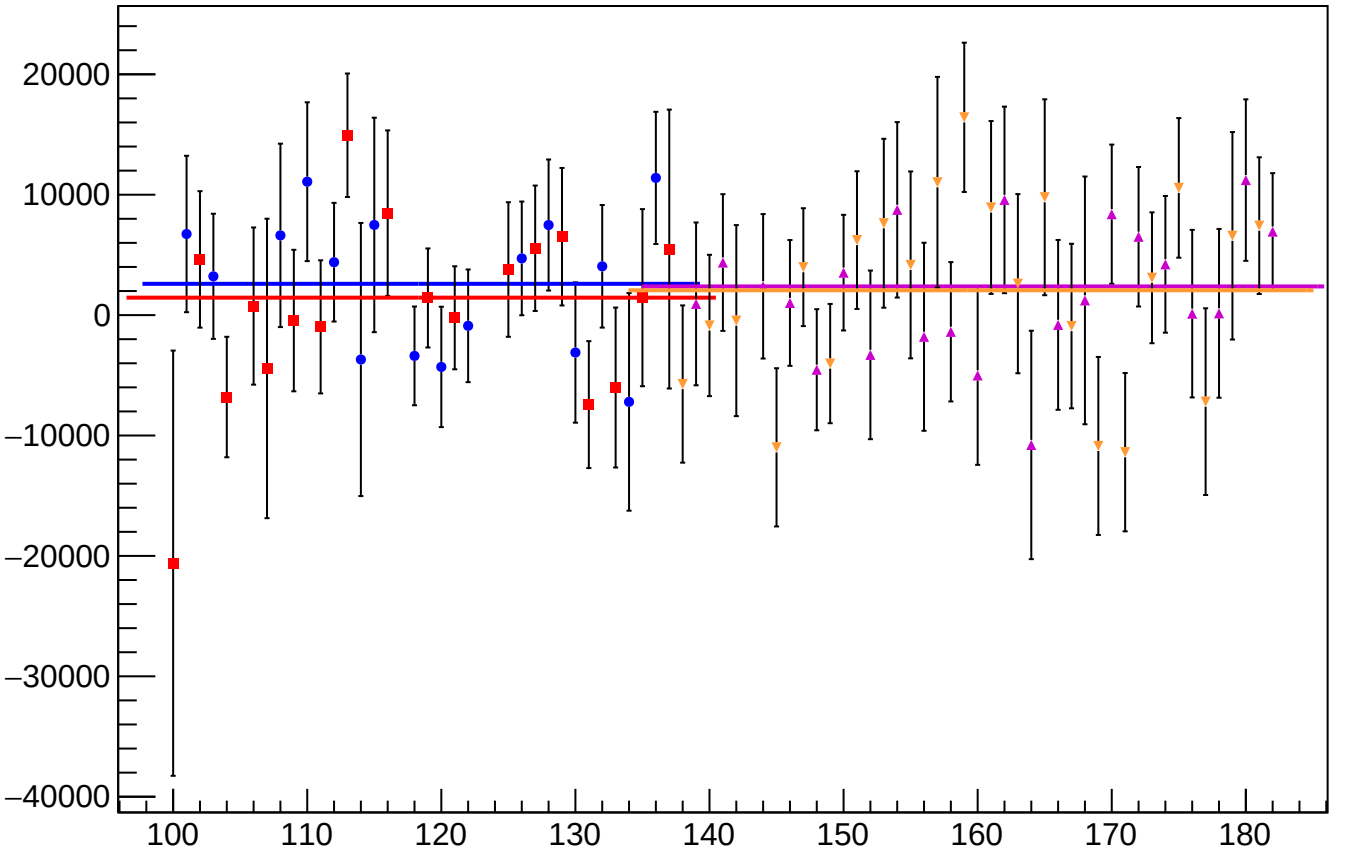
Left: 5623.672+/-0.682 χ^2/NDF: 2453367.5/43

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4470.953+/-0.663 χ^2/NDF:4682885.1/37

Out: 4366.067+/-0.656 χ^2/NDF:4920111.0/39

All: 4417.975+/-0.466 χ^2/NDF: 9615648.6/77



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 2061.571+/-1385.772 χ^2/NDF:29.1/21

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 2382.769+/-1339.195 χ^2/NDF:12.8/21

Left: 2227.658+/-962.999 χ^2/NDF: 41.9/43

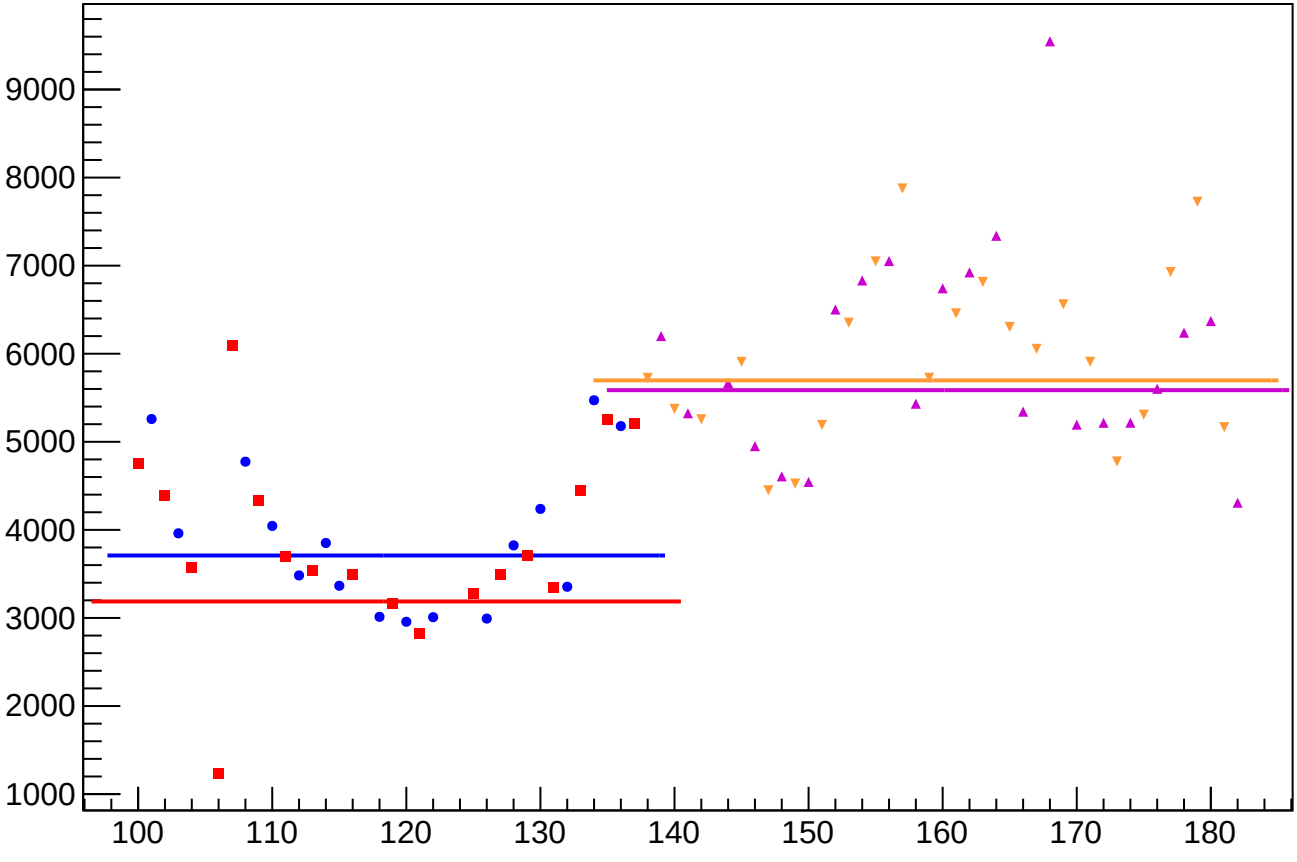
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2485.269+/-972.486 χ^2/NDF:26.3/37

Out: 1755.342+/-978.843 χ^2/NDF:48.2/39

All: 2122.684+/-689.888 χ^2/NDF: 74.8/77

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5697.020+/-0.980 χ^2/NDF:832513.1/21

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5586.155+/-0.947 χ^2/NDF:1069412.1/21

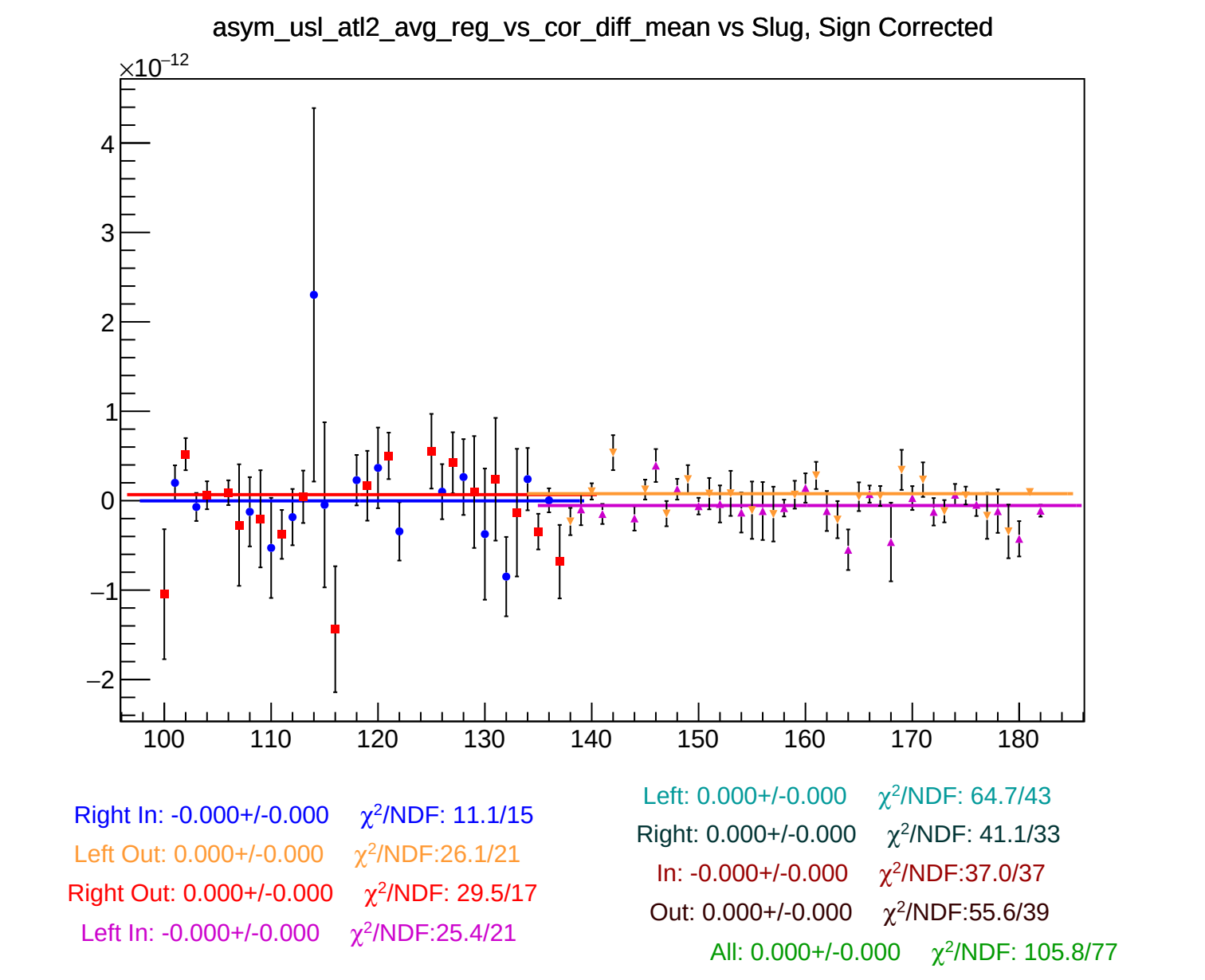
Left: 5639.693+/-0.681 χ^2/NDF: 1908544.3/43

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4698.944+/-0.688 χ^2/NDF:3537143.7/37

Out: 4329.488+/-0.661 χ^2/NDF:6017932.0/39

All: 4506.936+/-0.477 χ^2/NDF: 9705093.8/77


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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1
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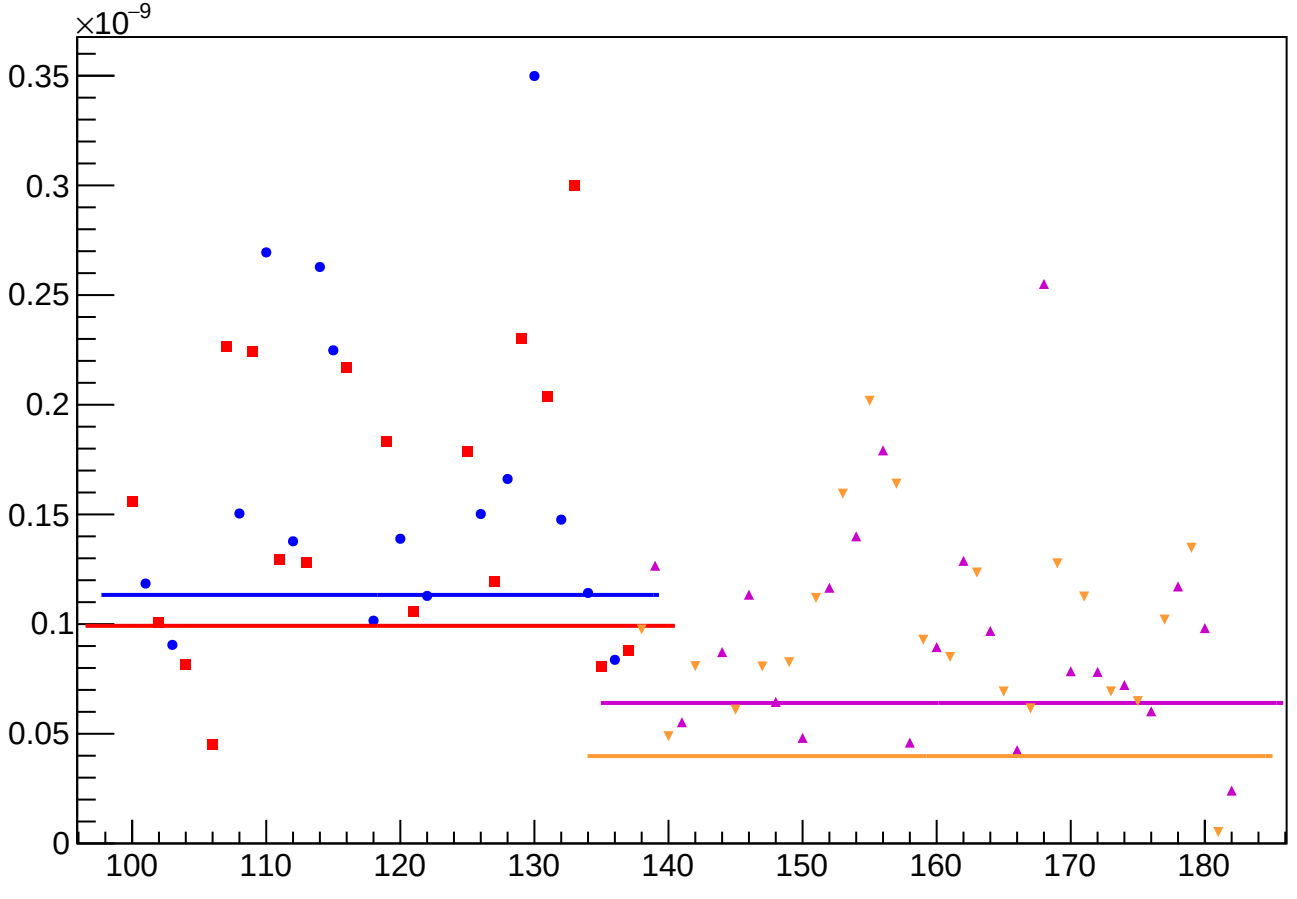
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:26.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/17
Left In: -0.000+/-0.000 χ²/NDF:25.4/21
Left: 0.000+/-0.000 χ²/NDF: 64.7/43
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:37.0/37
Out: 0.000+/-0.000 χ²/NDF:55.6/39
All: 0.000+/-0.000 χ²/NDF: 105.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:6945861.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2866922.6/21

Left: 0.000+/-0.000 χ^2/NDF: 10700856.2/43

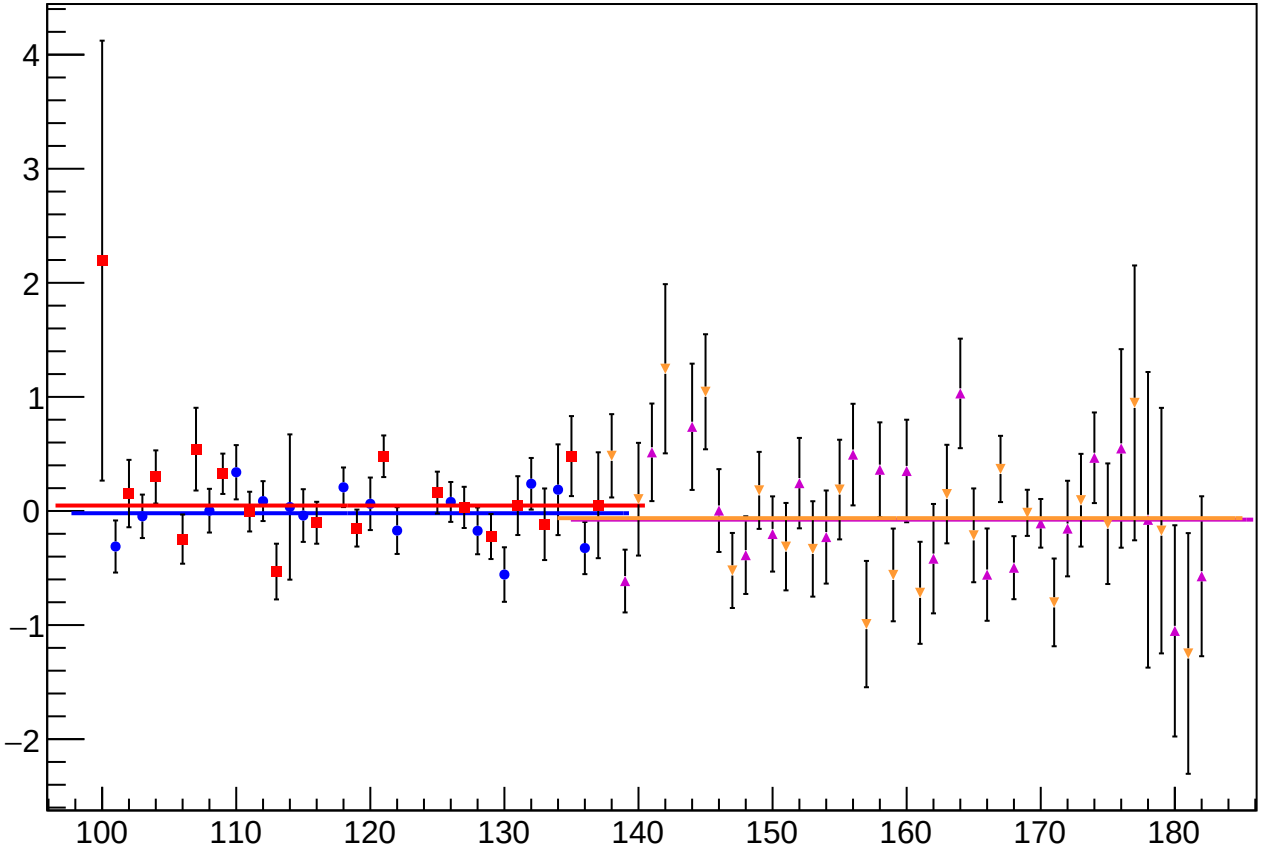
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:4363964.2/37

Out: 0.000+/-0.000 χ^2/NDF:9508048.0/39

All: 0.000+/-0.000 χ^2/NDF: 14937034.6/77

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.063+/-0.086 χ^2/NDF:28.8/21

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.076+/-0.084 χ^2/NDF:27.0/21

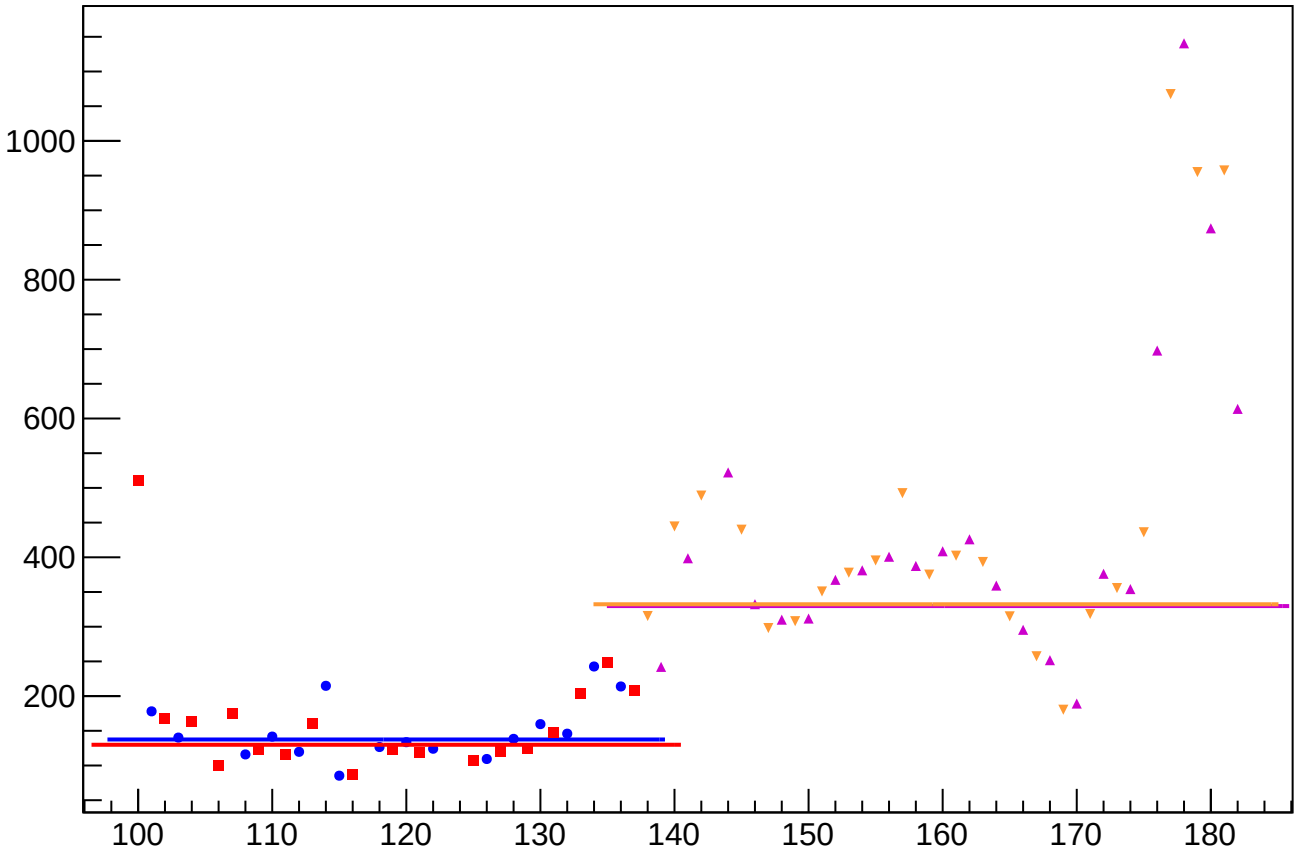
Left: -0.070+/-0.060 χ^2/NDF: 55.8/43

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.036+/-0.046 χ^2/NDF:43.3/37

Out: 0.018+/-0.045 χ^2/NDF:56.3/39

All: -0.009+/-0.032 χ^2/NDF: 100.4/77



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 332.334+/-0.061 χ^2/NDF:4136217.3/21

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 329.735+/-0.059 χ^2/NDF:4033940.5/21

Left: 330.994+/-0.043 χ^2/NDF: 8171090.7/43

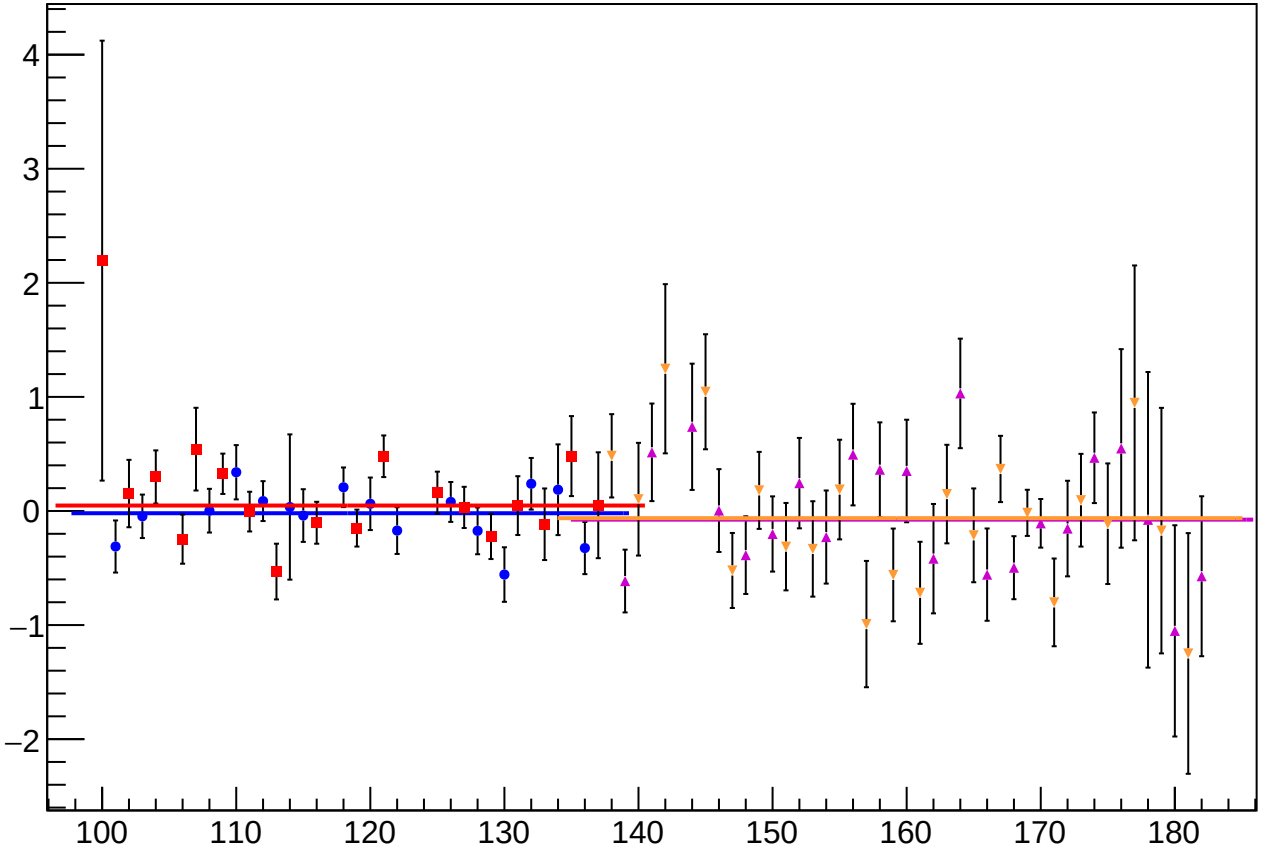
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 194.254+/-0.032 χ^2/NDF:12154348.3/37

Out: 184.445+/-0.032 χ^2/NDF:12986515.3/39

All: 189.280+/-0.023 χ^2/NDF: 25187981.0/77

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: -0.063+/-0.086 χ^2/NDF:28.8/21

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.076+/-0.084 χ^2/NDF:27.0/21

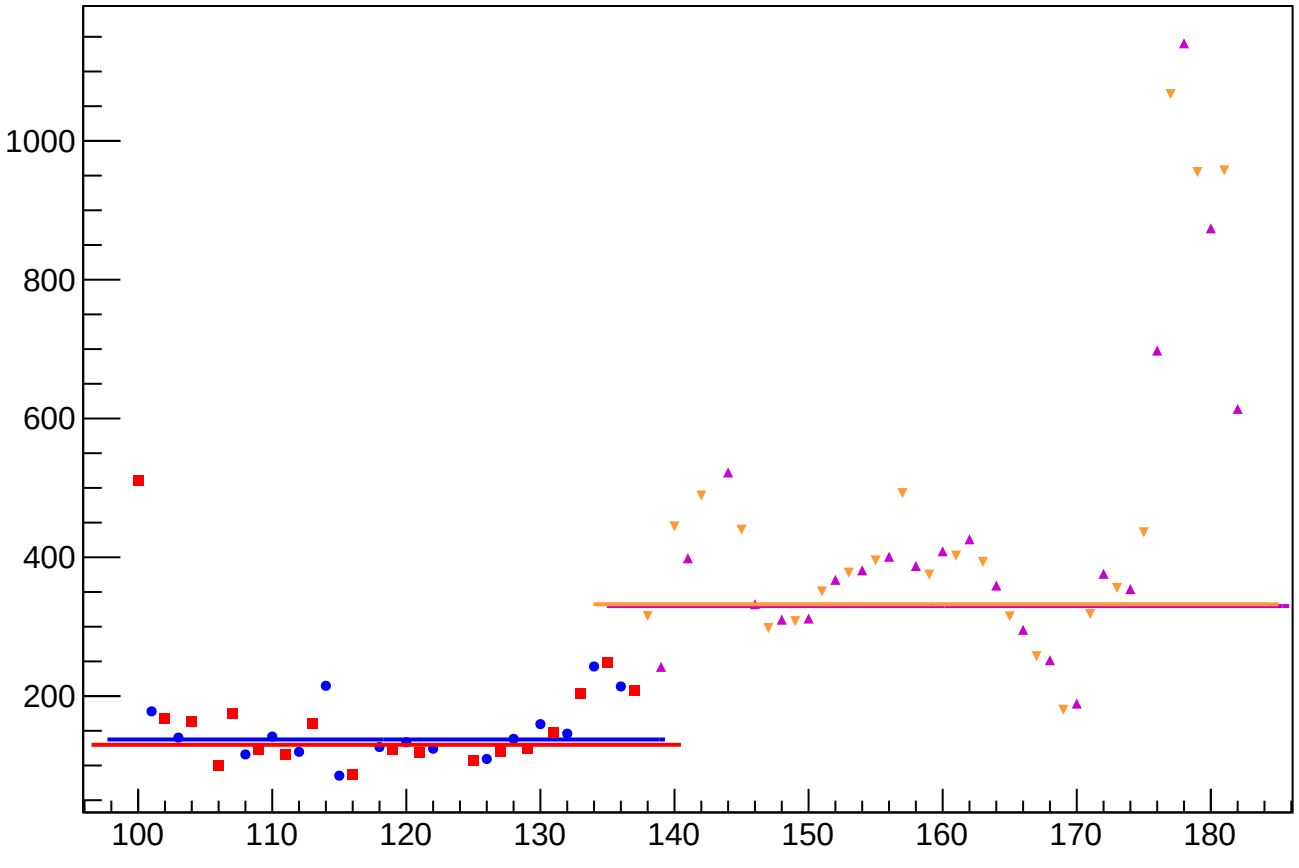
Left: -0.070+/-0.060 χ^2/NDF: 55.8/43

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.036+/-0.046 χ^2/NDF:43.3/37

Out: 0.018+/-0.045 χ^2/NDF:56.3/39

All: -0.009+/-0.032 χ^2/NDF: 100.4/77


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
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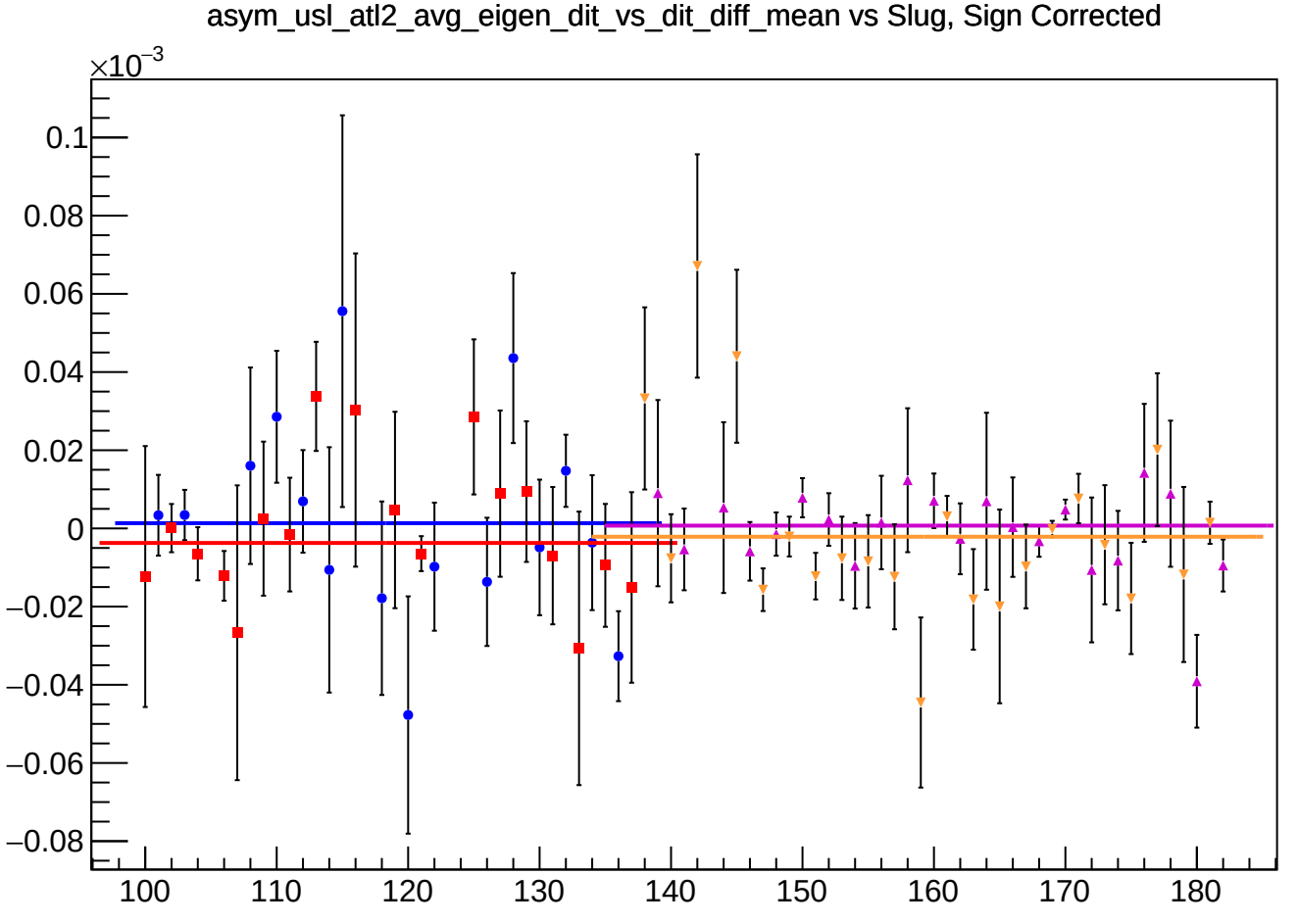
120
130
140
150
160
170
180
Right In: 137.492+/-0.038 χ²/NDF: 692947.9/15
Left Out: 332.334+/-0.061 χ²/NDF:4136217.3/21
Right Out: 129.887+/-0.037 χ²/NDF: 833983.9/17
Left In: 329.735+/-0.059 χ²/NDF:4033940.5/21
Left: 330.994+/-0.043 χ²/NDF: 8171090.7/43
Right: 133.568+/-0.027 χ²/NDF: 1547246.7/33
In: 194.254+/-0.032 χ²/NDF:12154348.3/37
Out: 184.445+/-0.032 χ²/NDF:12986515.3/39
All: 189.280+/-0.023 χ²/NDF: 25187981.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:24.7/21

Left: -0.000+/-0.000 χ^2/NDF: 63.4/43

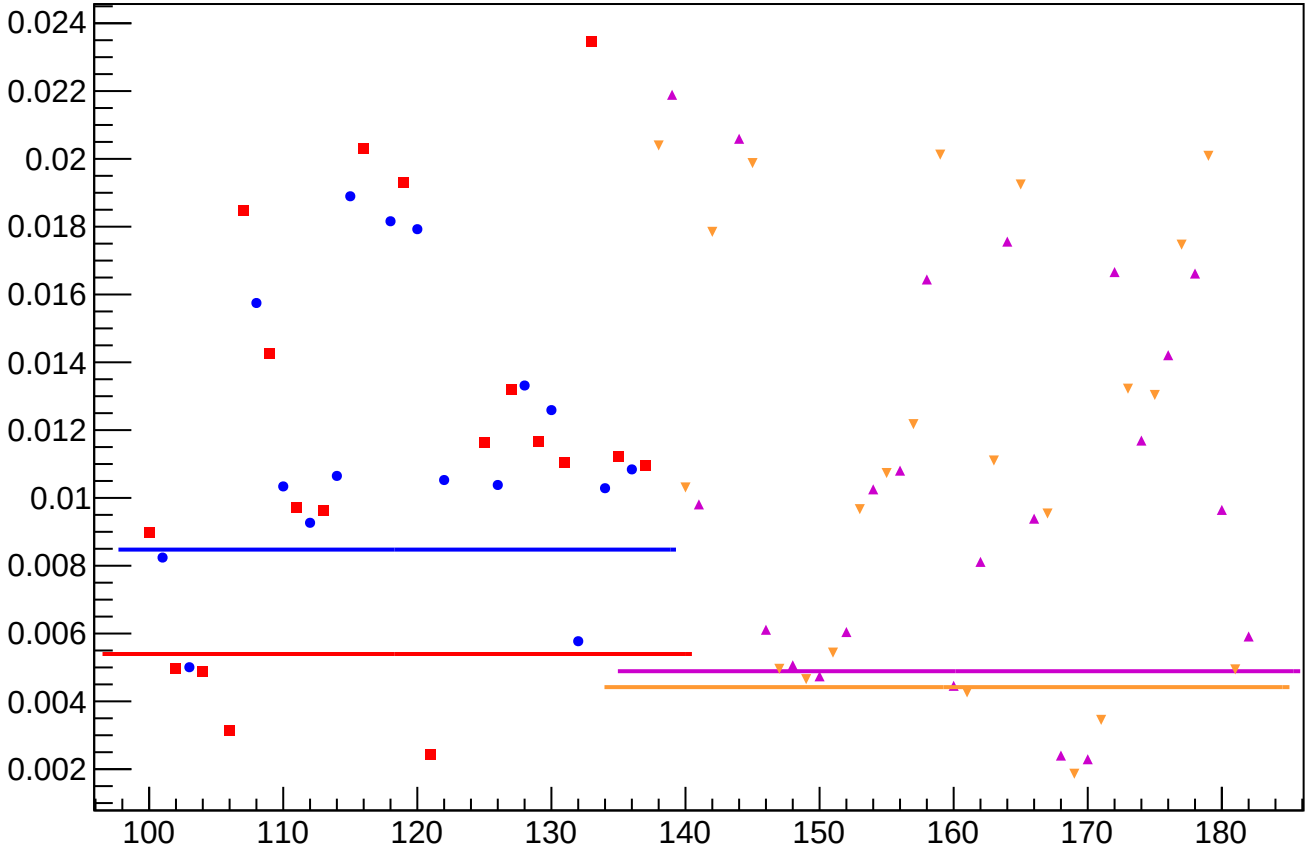
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:48.6/37

Out: -0.000+/-0.000 χ^2/NDF:52.9/39

All: -0.000+/-0.000 χ^2/NDF: 104.7/77

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:13823753.7/21

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.005+/-0.000 χ^2/NDF:11452487.5/21

Left: 0.005+/-0.000 χ^2/NDF: 25379591.2/43

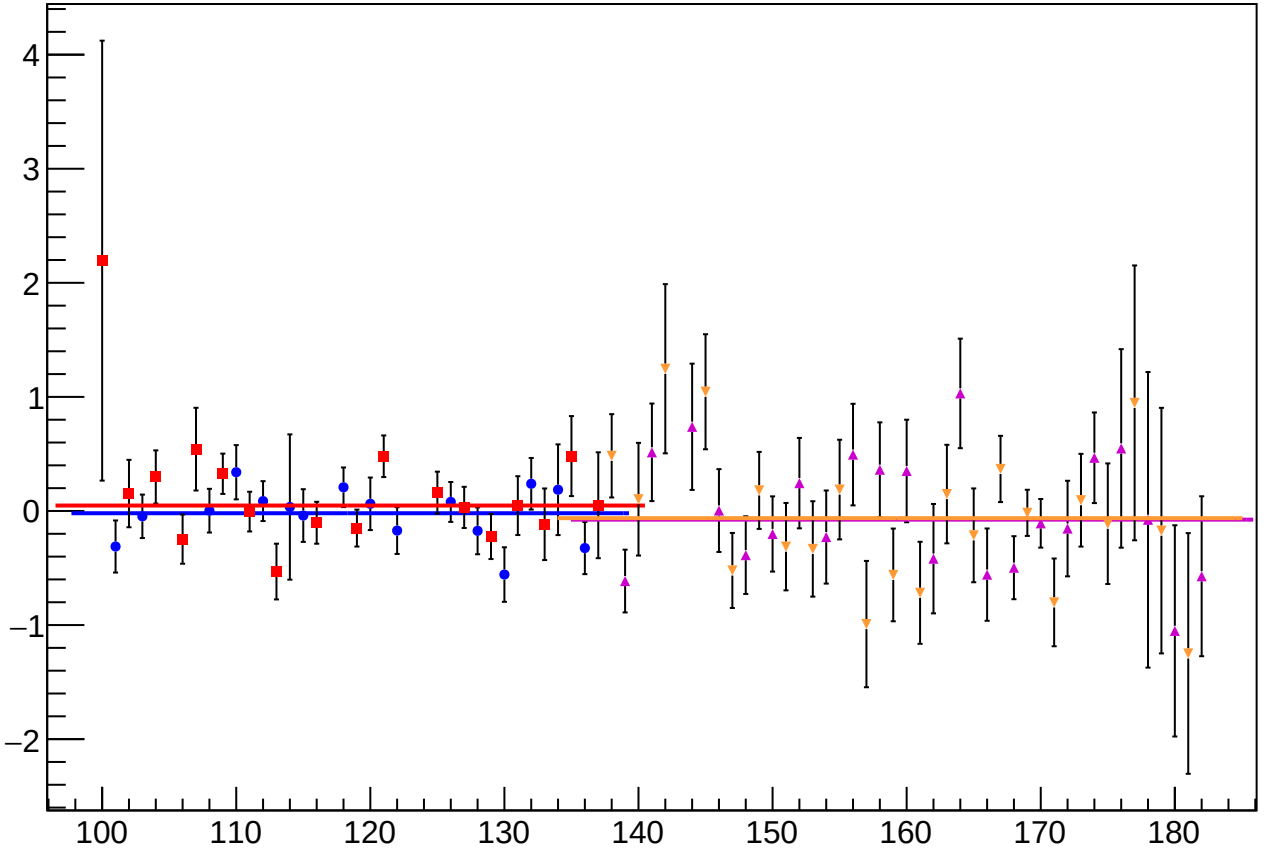
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.005+/-0.000 χ^2/NDF:15198978.9/37

Out: 0.005+/-0.000 χ^2/NDF:18959915.3/39

All: 0.005+/-0.000 χ^2/NDF: 34536092.0/77

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.063+/-0.086 χ^2/NDF:28.8/21

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.076+/-0.084 χ^2/NDF:27.0/21

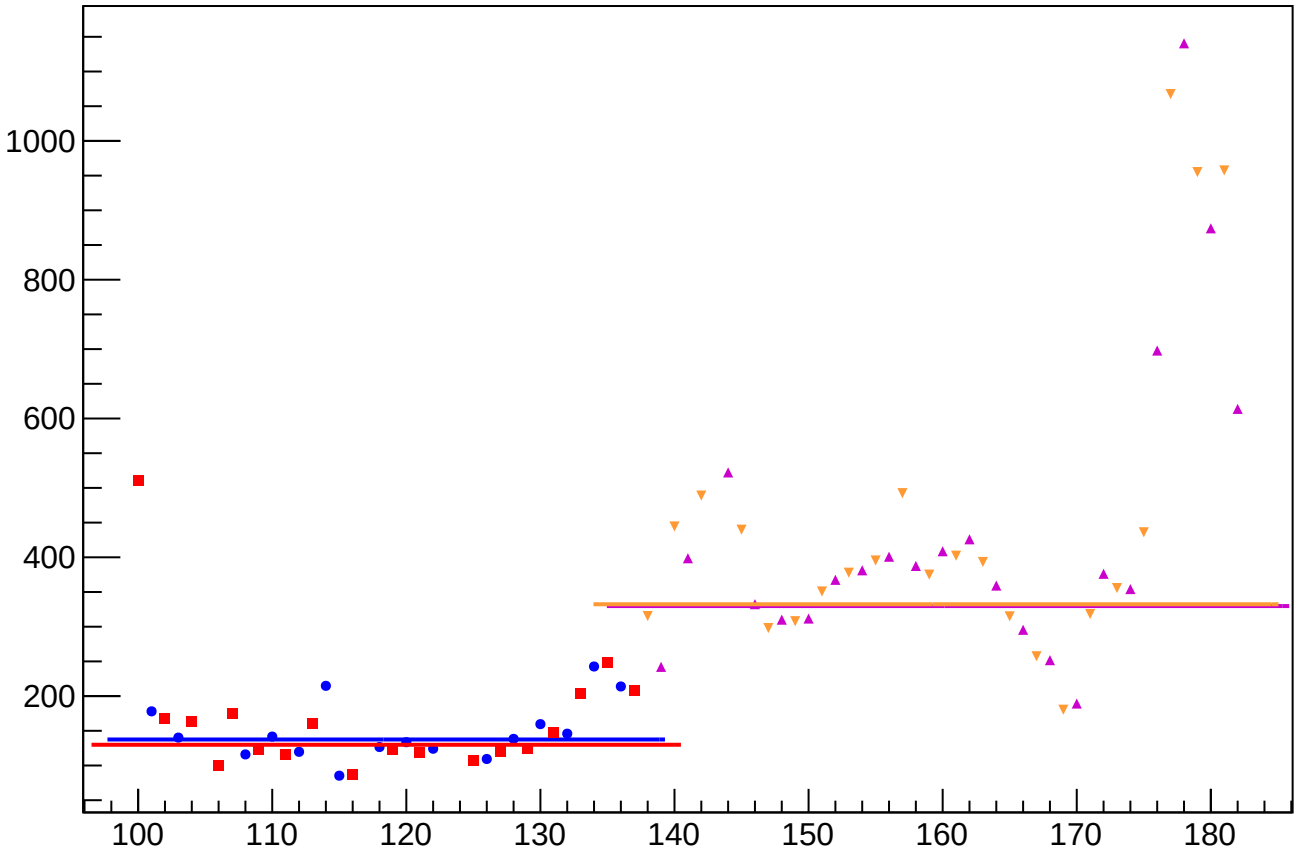
Left: -0.070+/-0.060 χ^2/NDF: 55.8/43

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.036+/-0.046 χ^2/NDF:43.3/37

Out: 0.018+/-0.045 χ^2/NDF:56.3/39

All: -0.009+/-0.032 χ^2/NDF: 100.4/77



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 332.336+/-0.061 χ^2/NDF:4136283.6/21

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 329.738+/-0.059 χ^2/NDF:4033942.1/21

Left: 330.996+/-0.043 χ^2/NDF: 8171157.9/43

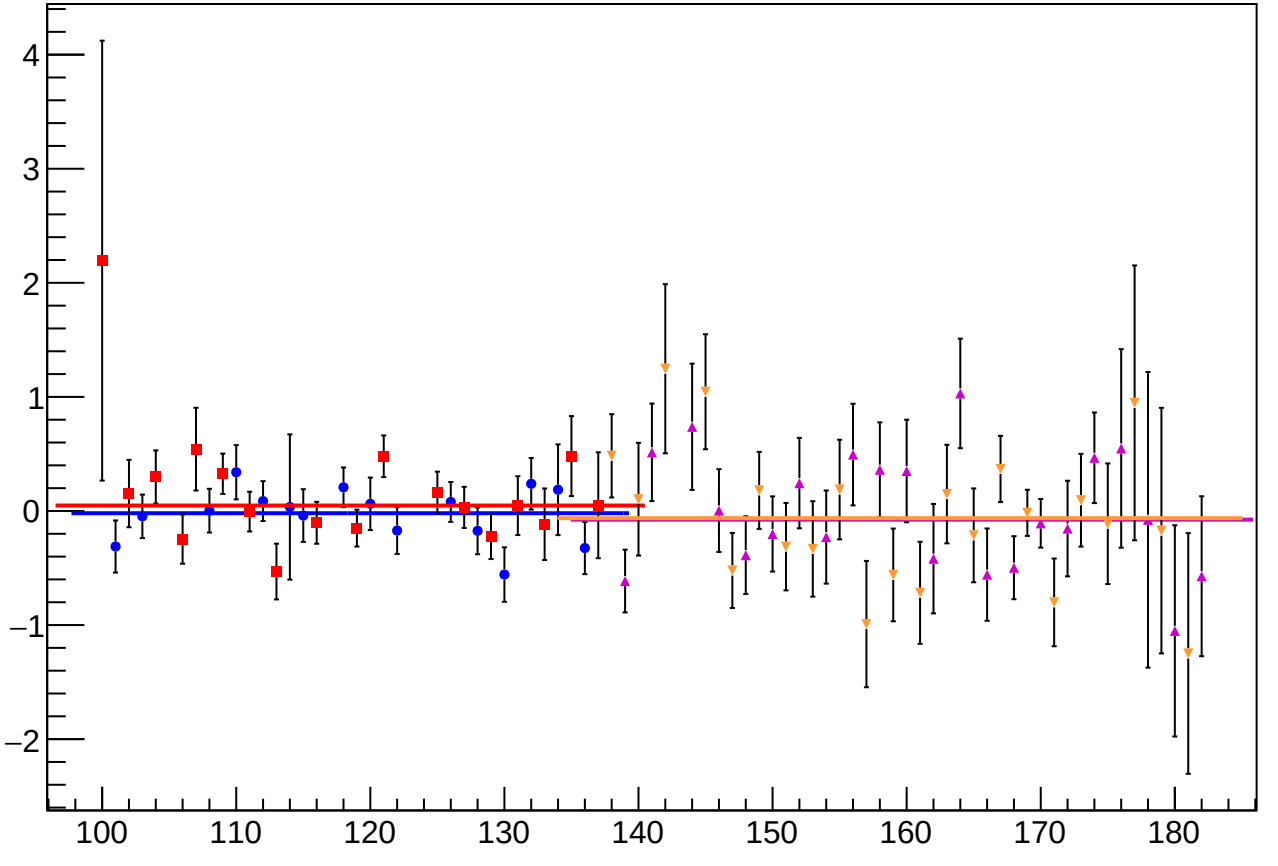
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 194.254+/-0.032 χ^2/NDF:12154472.0/37

Out: 184.445+/-0.032 χ^2/NDF:12986614.2/39

All: 189.280+/-0.023 χ^2/NDF: 25188204.4/77

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: -0.063+/-0.086 χ^2/NDF:28.8/21

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.076+/-0.084 χ^2/NDF:27.0/21

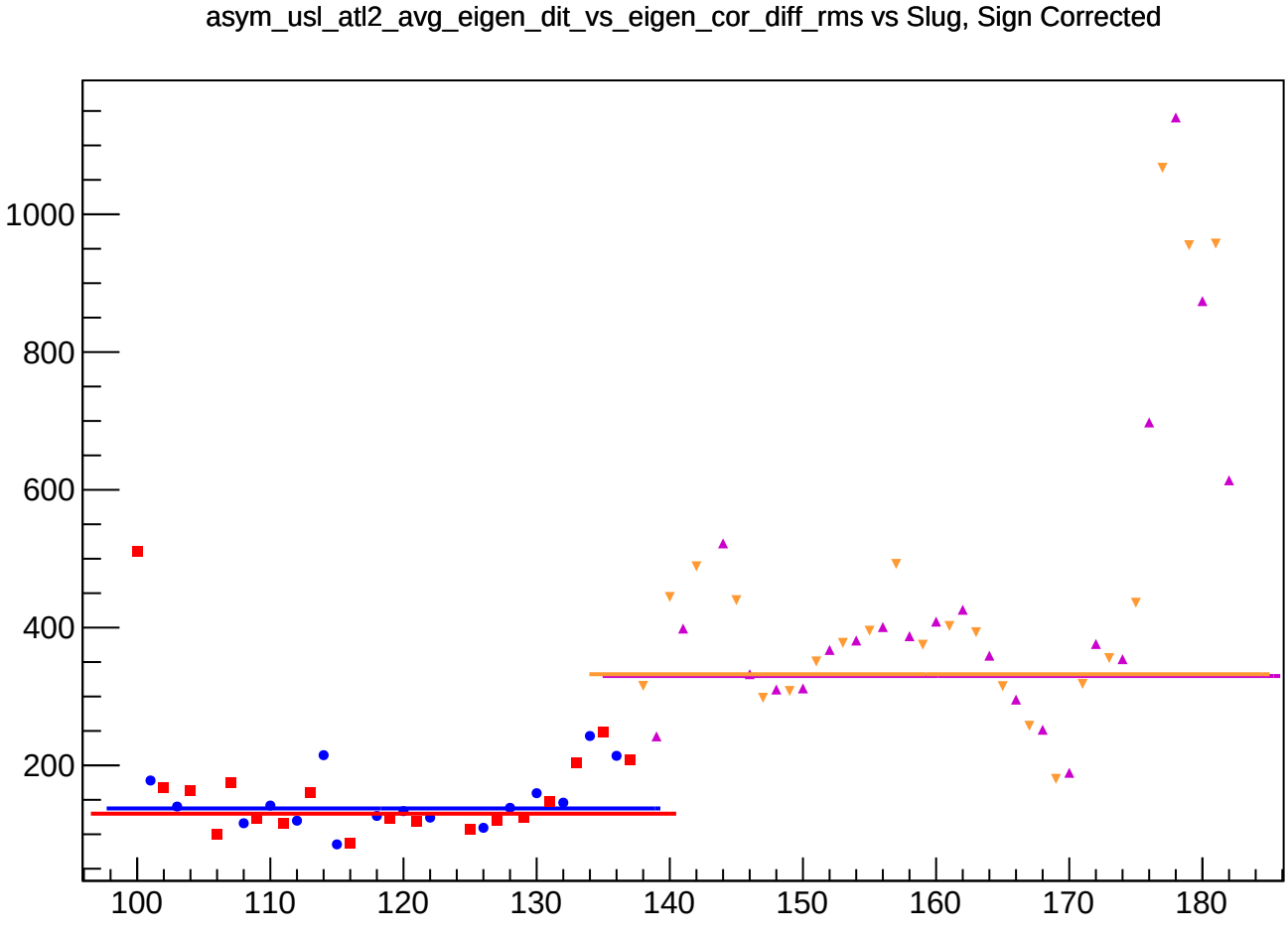
Left: -0.070+/-0.060 χ^2/NDF: 55.8/43

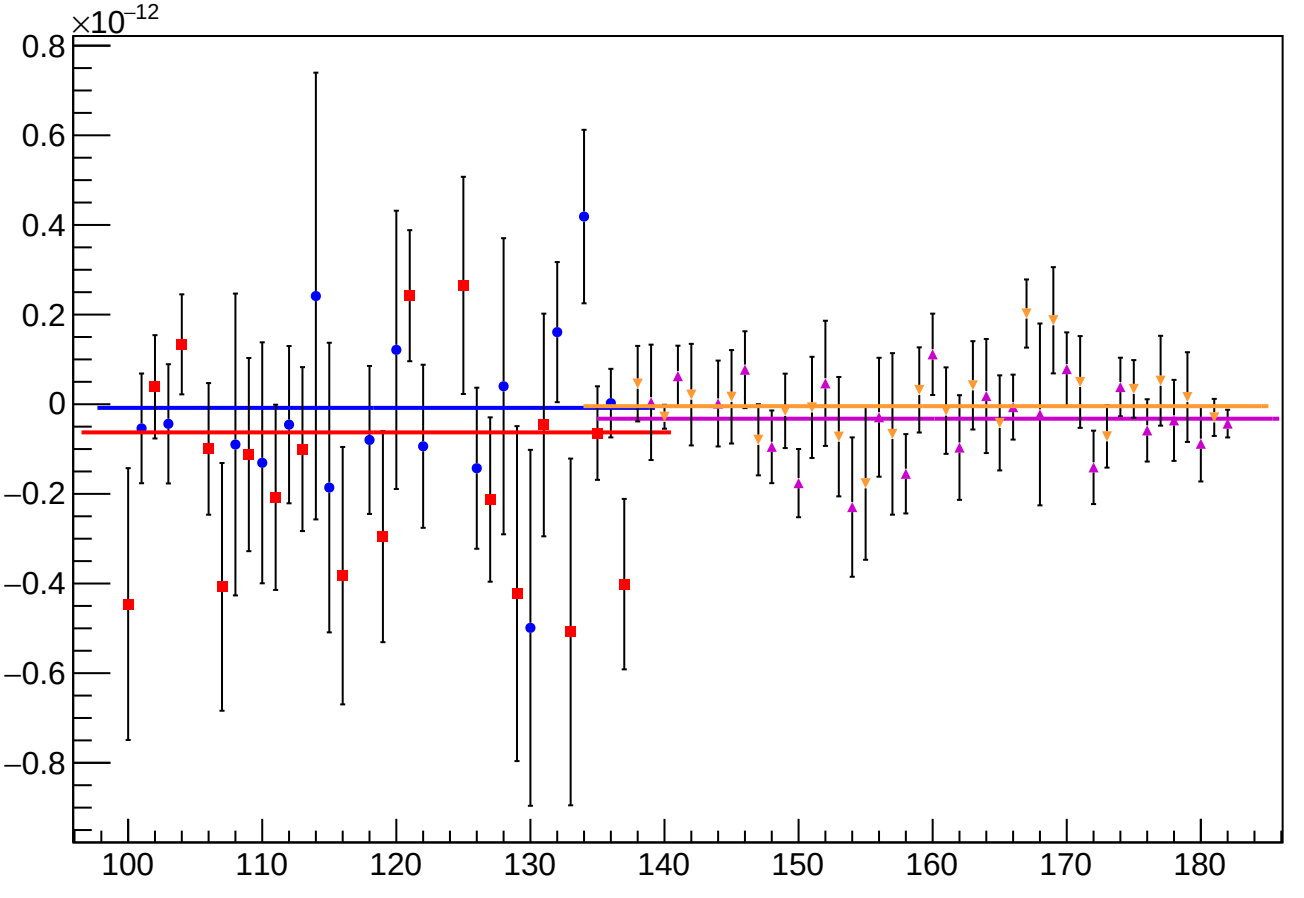
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.036+/-0.046 χ^2/NDF:43.3/37

Out: 0.018+/-0.045 χ^2/NDF:56.3/39

All: -0.009+/-0.032 χ^2/NDF: 100.4/77


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 332.336+/-0.061 χ²/NDF:4136283.6/21
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 329.738+/-0.059 χ²/NDF:4033942.1/21
Left: 330.996+/-0.043 χ²/NDF: 8171157.9/43
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 194.254+/-0.032 χ²/NDF:12154472.0/37
Out: 184.445+/-0.032 χ²/NDF:12986614.2/39
All: 189.280+/-0.023 χ²/NDF: 25188204.4/77



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:20.4/21

Left: -0.000+/-0.000 χ^2/NDF: 38.2/43

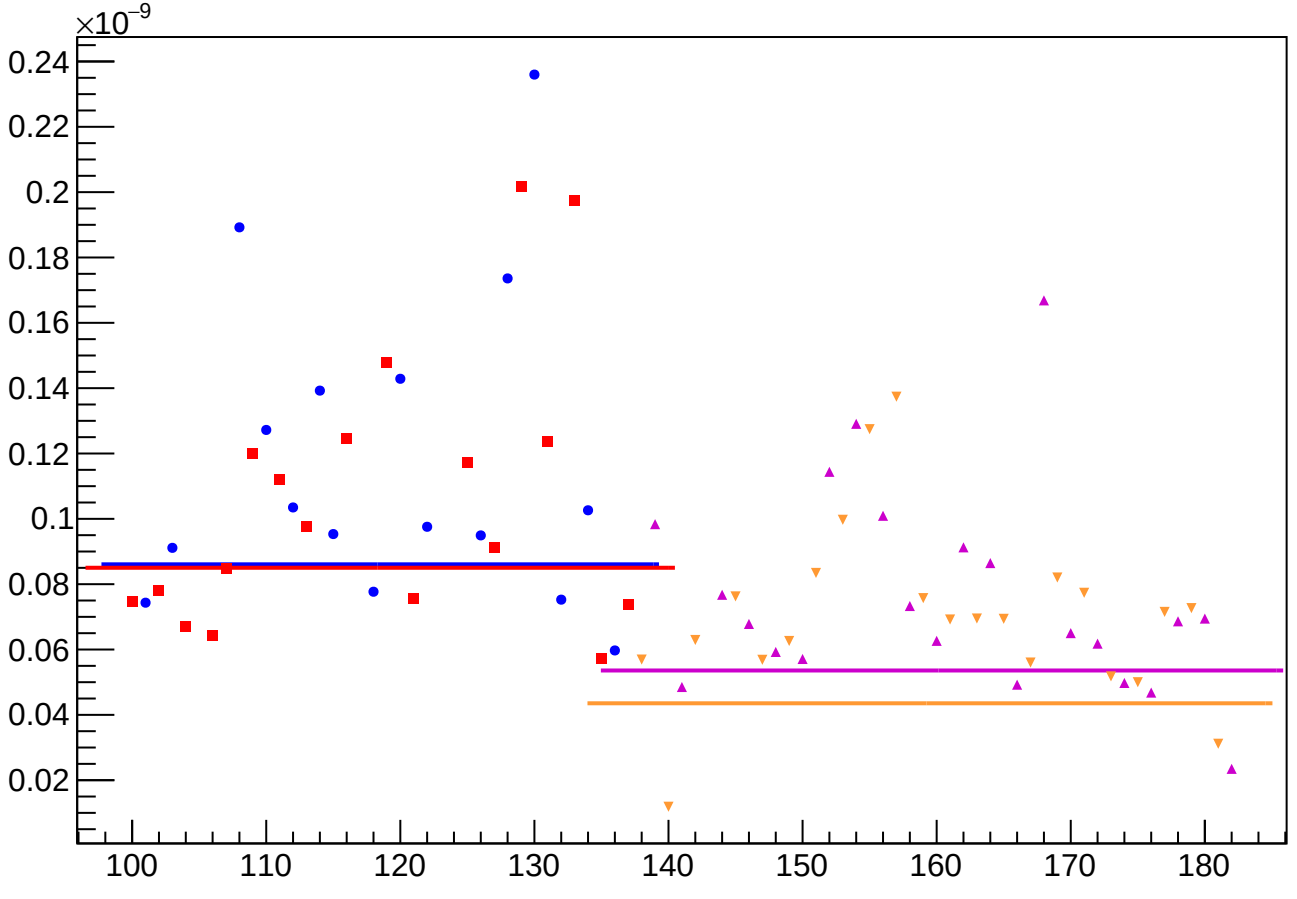
Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: -0.000+/-0.000 χ^2/NDF:30.5/37

Out: -0.000+/-0.000 χ^2/NDF:40.2/39

All: -0.000+/-0.000 χ^2/NDF: 71.4/77

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6581291.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:4748401.3/21

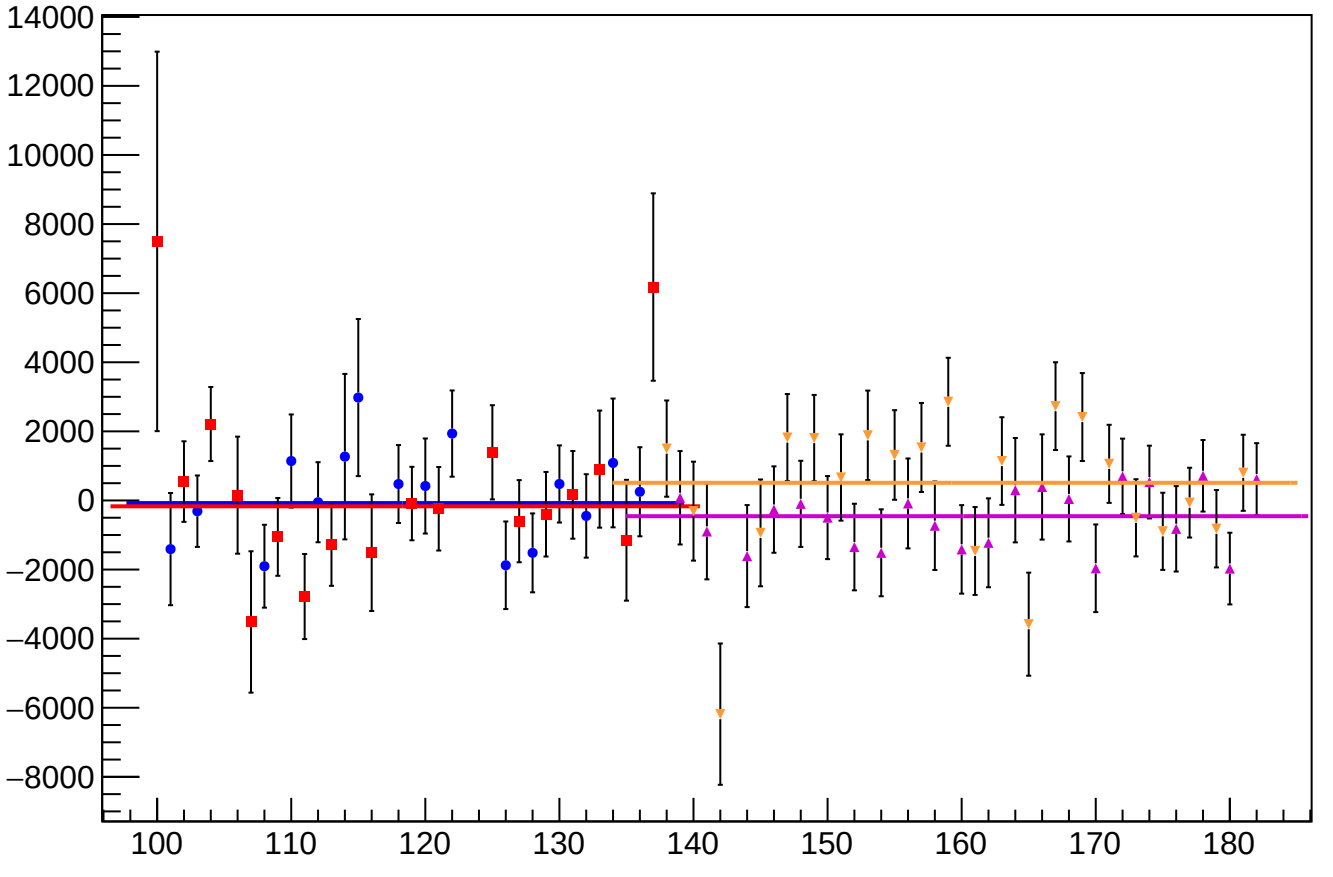
Left: 0.000+/-0.000 χ^2/NDF: 11723236.0/43

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

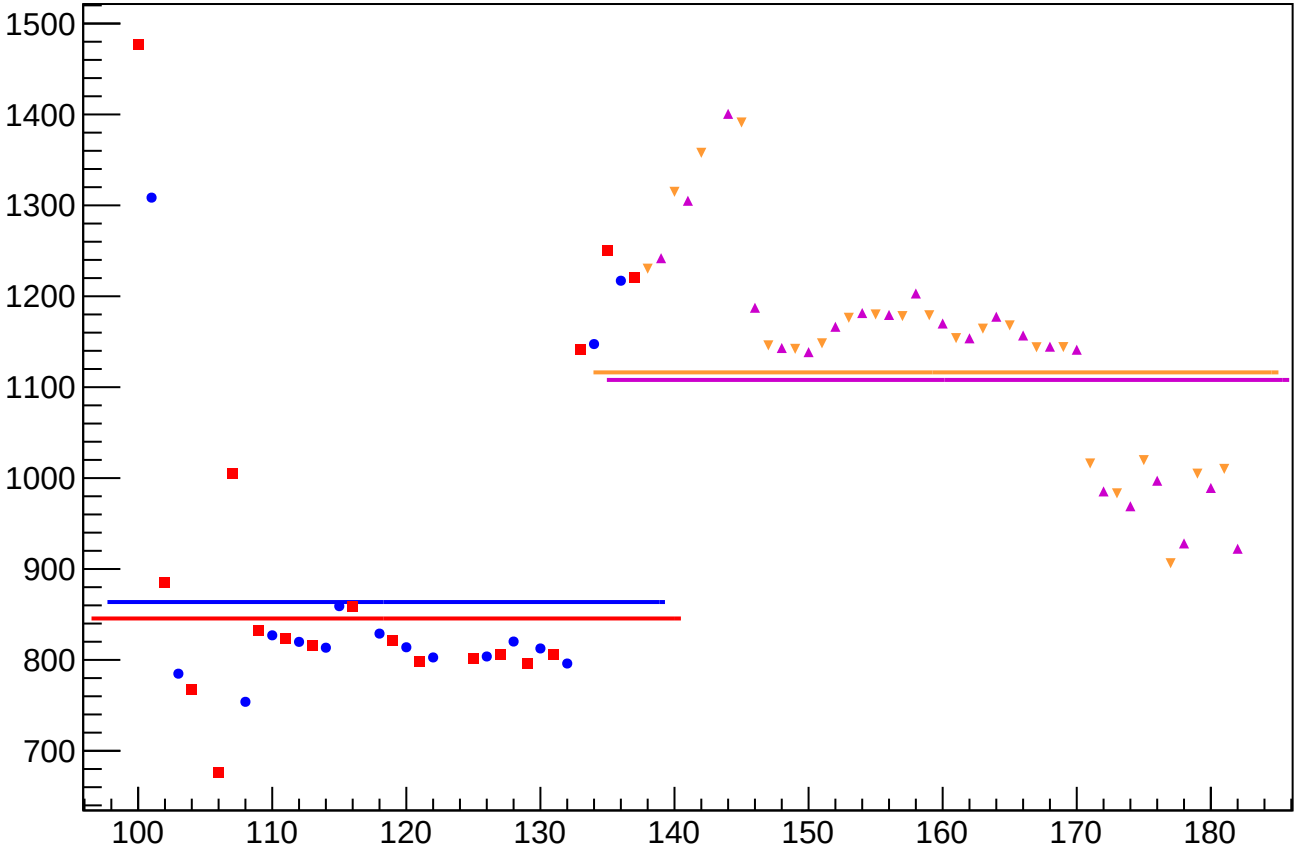
In: 0.000+/-0.000 χ^2/NDF:6836453.2/37

Out: 0.000+/-0.000 χ^2/NDF:9302824.7/39

All: 0.000+/-0.000 χ^2/NDF: 16529225.4/77


reg_asym_usl_atl2_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
170
180
Right In: -75.944+/-326.226 χ²/NDF: 13.4/15
Left Out: 511.459+/-268.235 χ²/NDF:40.1/21
Right Out: -169.345+/-321.827 χ²/NDF: 24.4/17
Left In: -455.514+/-262.488 χ²/NDF:11.9/21
Left: 17.503+/-187.606 χ²/NDF: 58.6/43
Right: -123.279+/-229.106 χ²/NDF: 37.8/33
In: -306.348+/-204.507 χ²/NDF:26.1/37
Out: 232.385+/-206.049 χ²/NDF:67.1/39
All: -39.005+/-145.151 χ²/NDF: 96.6/77

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1116.277+/-0.190 χ^2/NDF:357707.1/21

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1107.977+/-0.186 χ^2/NDF:420906.6/21

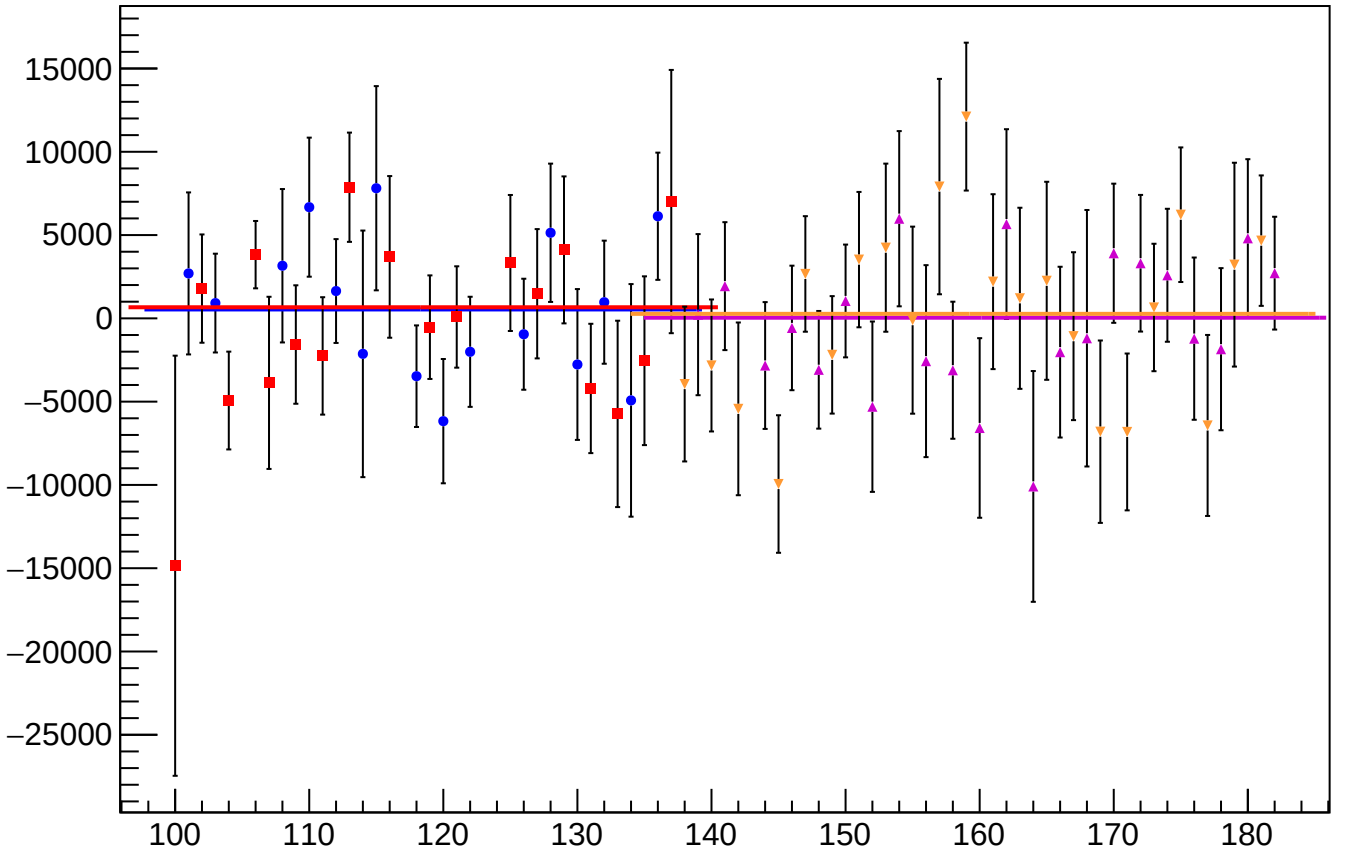
Left: 1112.037+/-0.133 χ^2/NDF: 779591.9/43

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1011.964+/-0.145 χ^2/NDF:1509318.4/37

Out: 1003.681+/-0.145 χ^2/NDF:1512727.2/39

All: 1007.832+/-0.102 χ^2/NDF: 3023682.1/77



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 270.729+/-977.142 χ^2/NDF:29.0/21

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: 38.690+/-945.520 χ^2/NDF:13.4/21

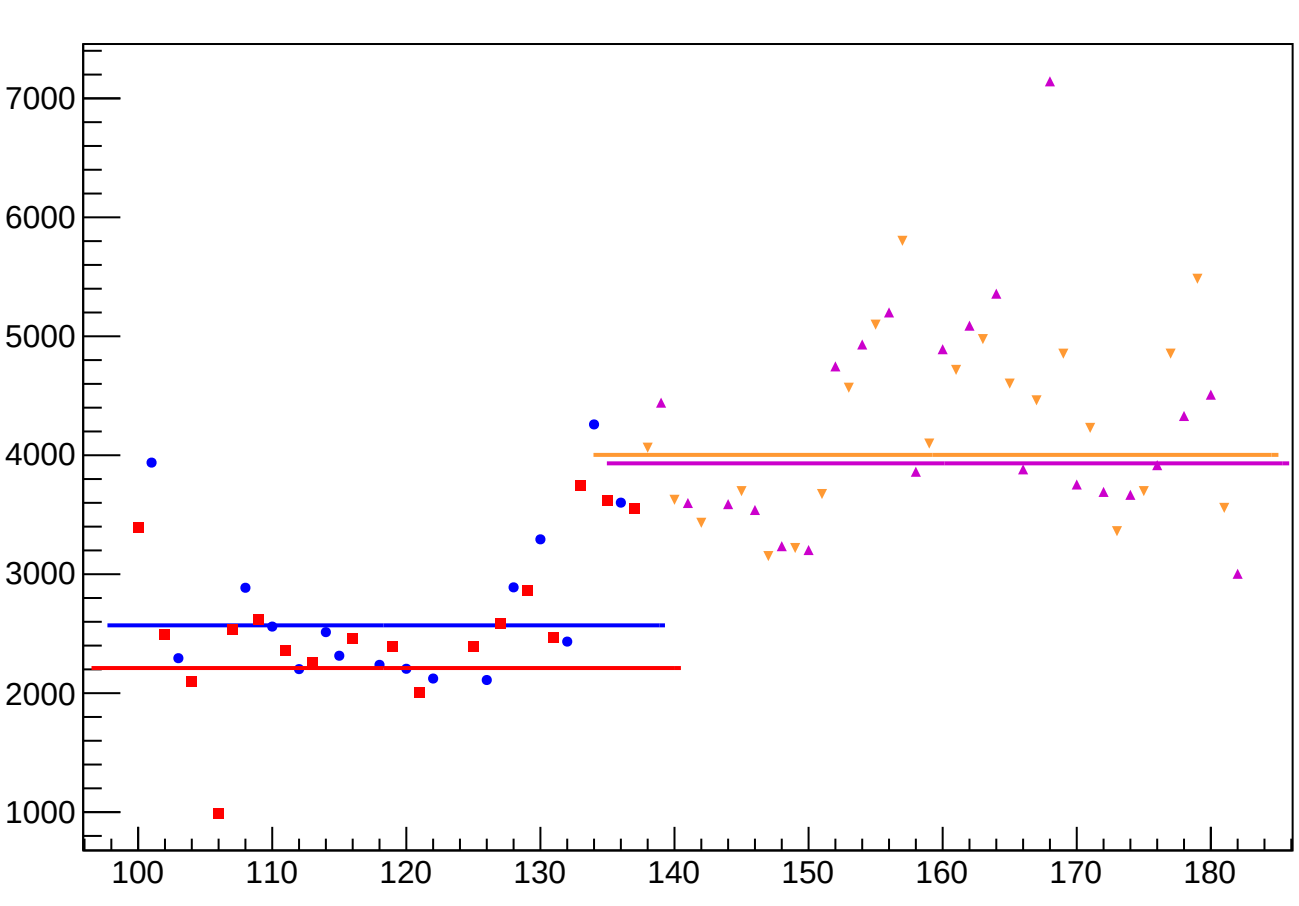
Left: 150.894+/-679.488 χ^2/NDF: 42.4/43

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 277.397+/-680.878 χ^2/NDF:28.2/37

Out: 492.277+/-647.670 χ^2/NDF:49.1/39

All: 390.204+/-469.273 χ^2/NDF: 77.3/77



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 4003.138+/-0.691 χ^2/NDF:993191.9/21

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3931.930+/-0.669 χ^2/NDF:1257790.5/21

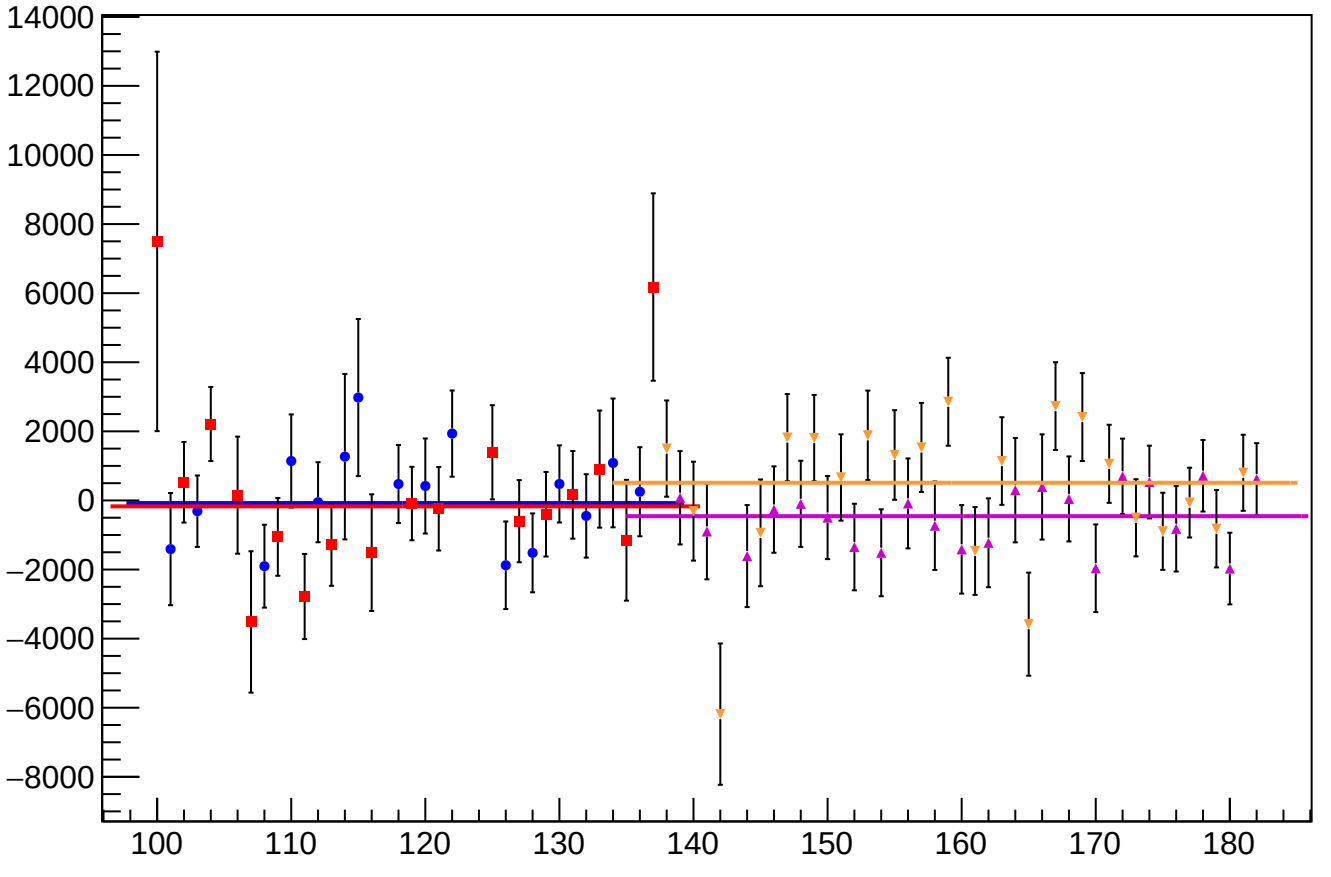
Left: 3966.363+/-0.480 χ^2/NDF: 2256467.7/43

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3276.305+/-0.481 χ^2/NDF:3917626.4/37

Out: 2998.494+/-0.458 χ^2/NDF:6028073.6/39

All: 3130.460+/-0.332 χ^2/NDF: 10120496.0/7



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 511.504+/-268.235 χ^2/NDF:40.1/21

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -455.492+/-262.488 χ^2/NDF:11.9/21

Left: 17.537+/-187.606 χ^2/NDF: 58.6/43

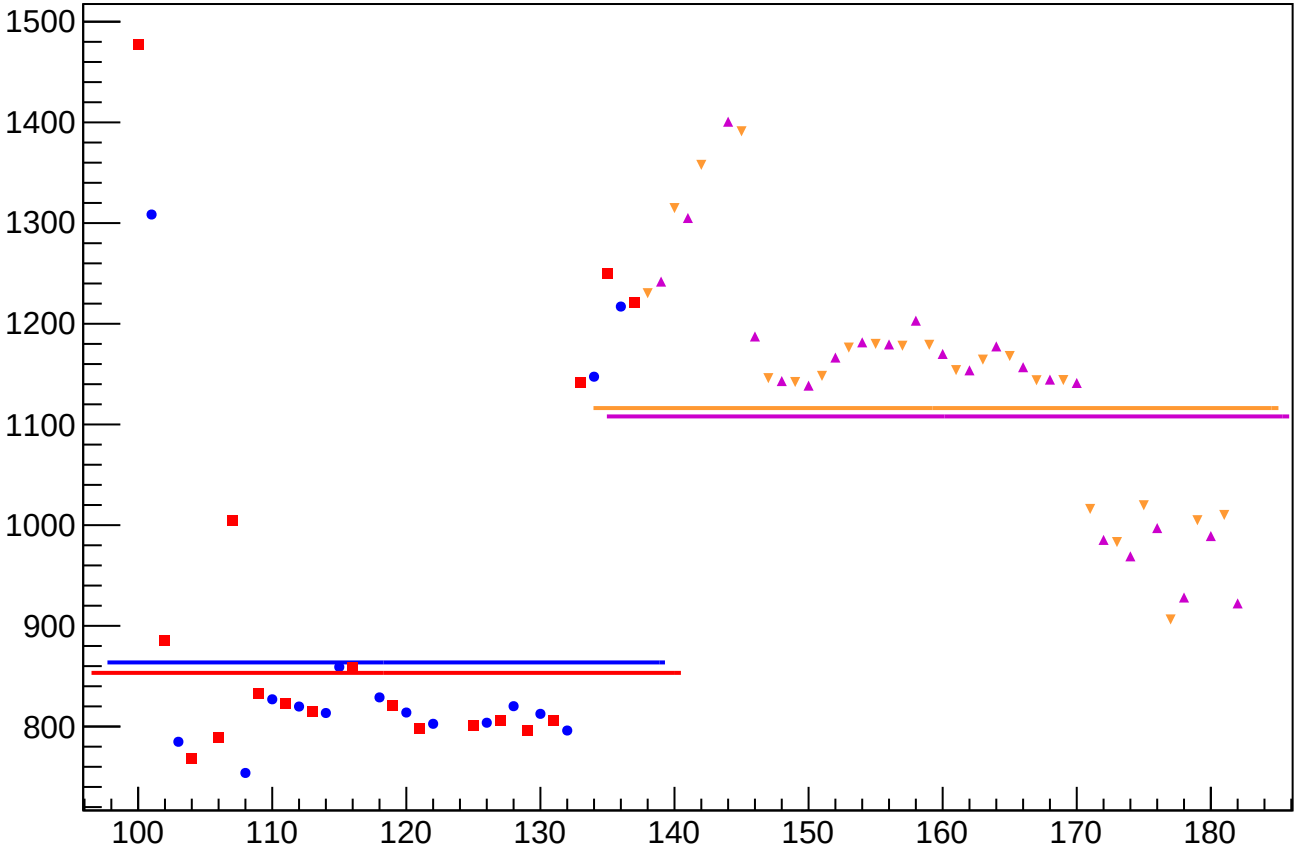
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -306.365+/-204.507 χ^2/NDF:26.1/37

Out: 231.746+/-206.051 χ^2/NDF:67.1/39

All: -39.333+/-145.151 χ^2/NDF: 96.6/77

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1116.277+/-0.190 χ^2/NDF:357707.0/21

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1107.977+/-0.186 χ^2/NDF:420906.6/21

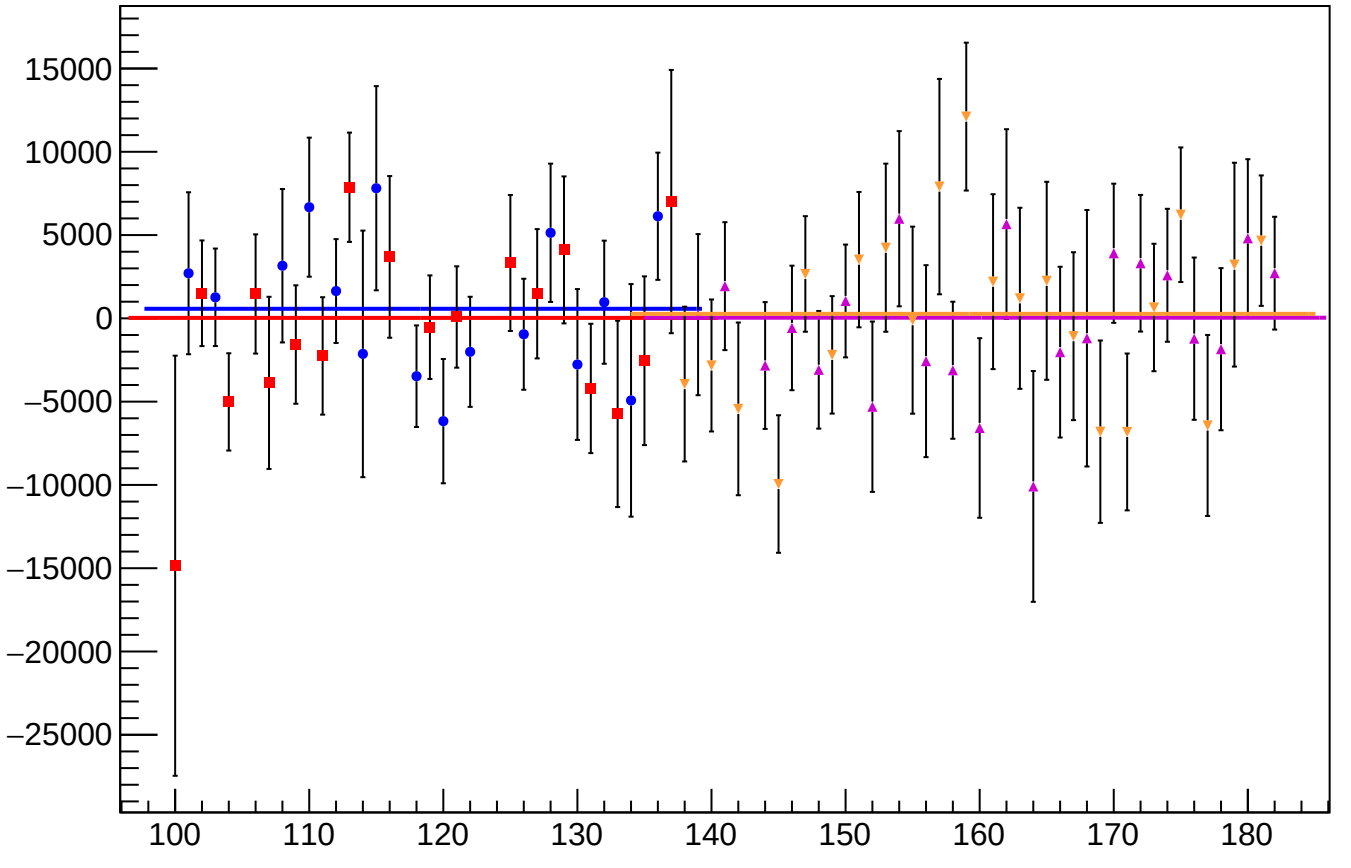
Left: 1112.037+/-0.133 χ^2/NDF: 779591.9/43

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1011.964+/-0.145 χ^2/NDF:1509318.5/37

Out: 1007.817+/-0.145 χ^2/NDF:1425945.1/39

All: 1009.901+/-0.103 χ^2/NDF: 2935672.7/77



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 270.750+/-977.143 χ^2/NDF:29.0/21

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 38.620+/-945.518 χ^2/NDF:13.4/21

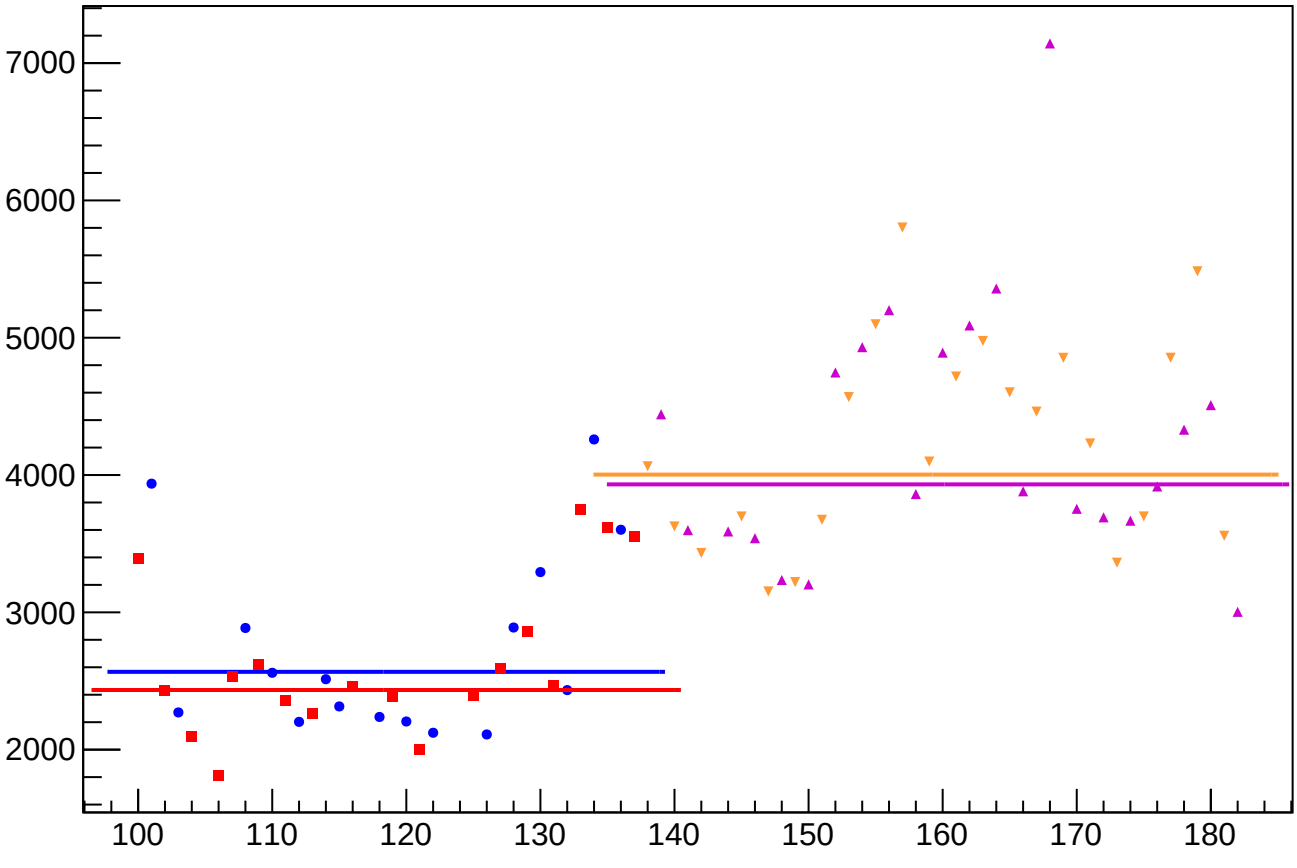
Left: 150.868+/-679.488 χ^2/NDF: 42.4/43

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 297.230+/-680.398 χ^2/NDF:28.3/37

Out: 142.667+/-670.644 χ^2/NDF:46.2/39

All: 218.833+/-477.628 χ^2/NDF: 74.5/77



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4003.141+/-0.691 χ^2/NDF:993186.8/21

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3931.924+/-0.669 χ^2/NDF:1257798.5/21

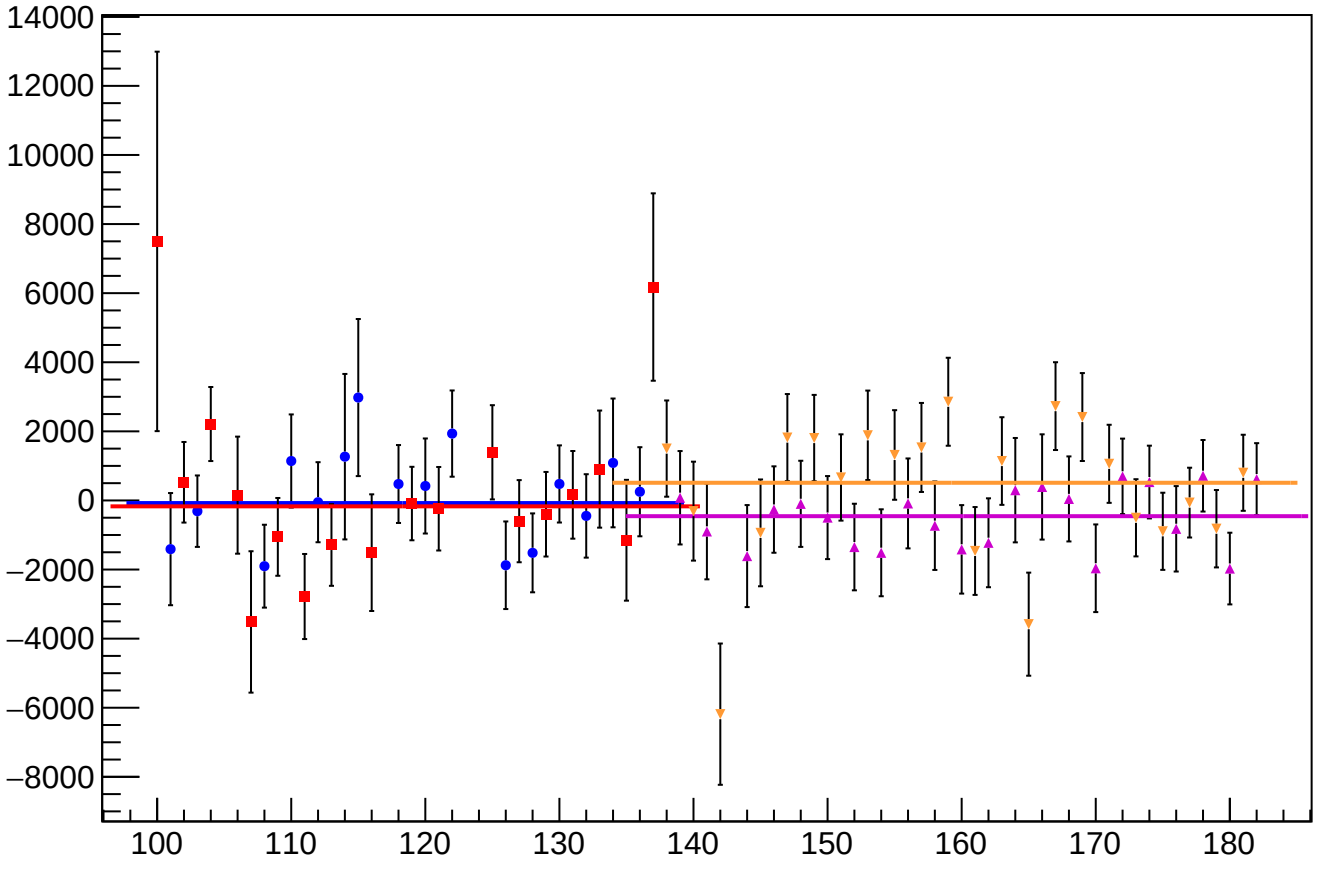
Left: 3966.361+/-0.480 χ^2/NDF: 2256471.9/43

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3273.668+/-0.481 χ^2/NDF:3934052.9/37

Out: 3173.373+/-0.474 χ^2/NDF:4153816.0/39

All: 3222.796+/-0.338 χ^2/NDF: 8109911.1/77



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 511.504+/-268.235 χ^2/NDF:40.1/21

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -455.492+/-262.488 χ^2/NDF:11.9/21

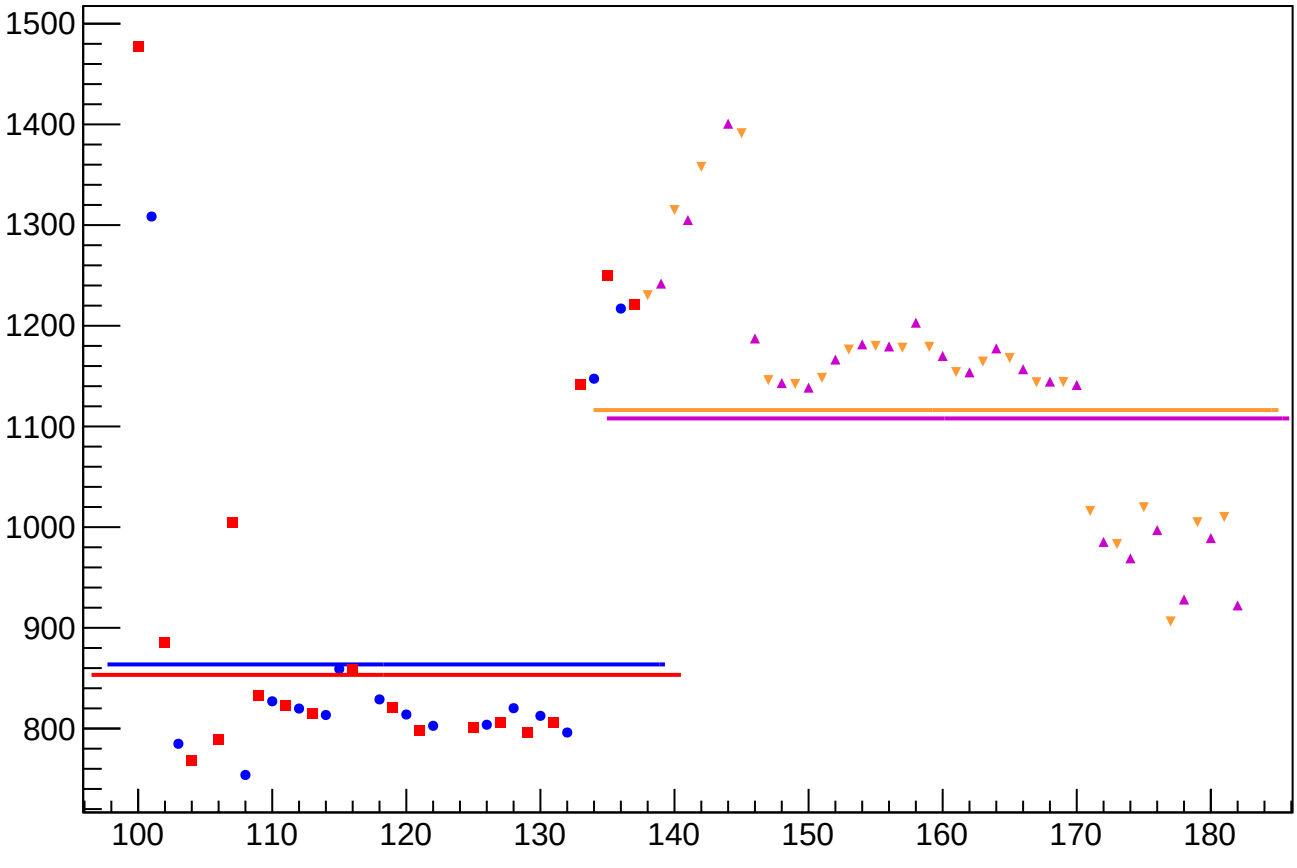
Left: 17.537+/-187.606 χ^2/NDF: 58.6/43

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -306.365+/-204.507 χ^2/NDF:26.1/37

Out: 231.746+/-206.051 χ^2/NDF:67.1/39

All: -39.333+/-145.151 χ^2/NDF: 96.6/77



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1116.277+/-0.190 χ^2/NDF:357707.0/21

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1107.977+/-0.186 χ^2/NDF:420906.6/21

Left: 1112.037+/-0.133 χ^2/NDF: 779591.9/43

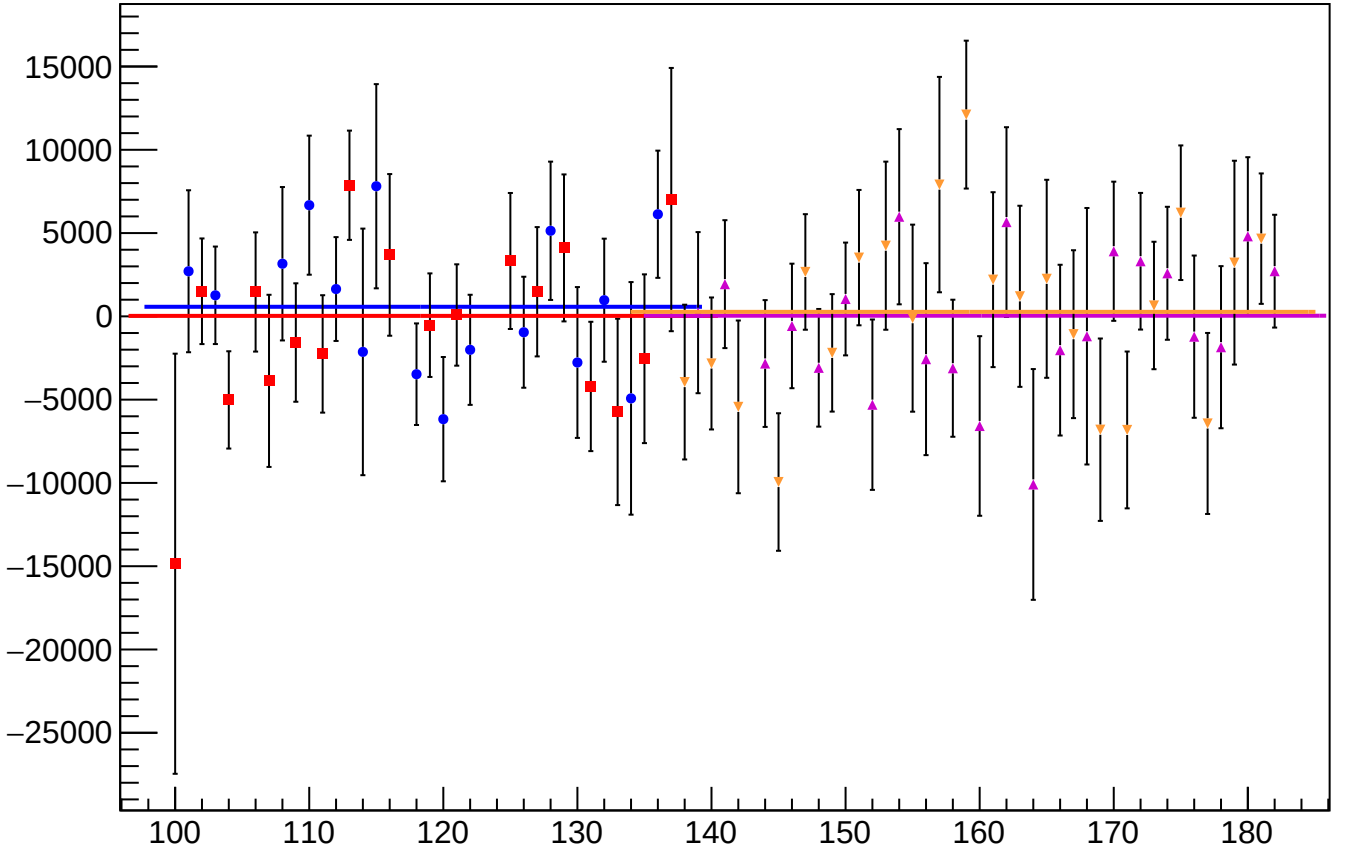
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1011.964+/-0.145 χ^2/NDF:1509318.5/37

Out: 1007.817+/-0.145 χ^2/NDF:1425945.1/39

All: 1009.901+/-0.103 χ^2/NDF: 2935672.7/77

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 270.750+/-977.143 χ^2/NDF:29.0/21

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 38.620+/-945.518 χ^2/NDF:13.4/21

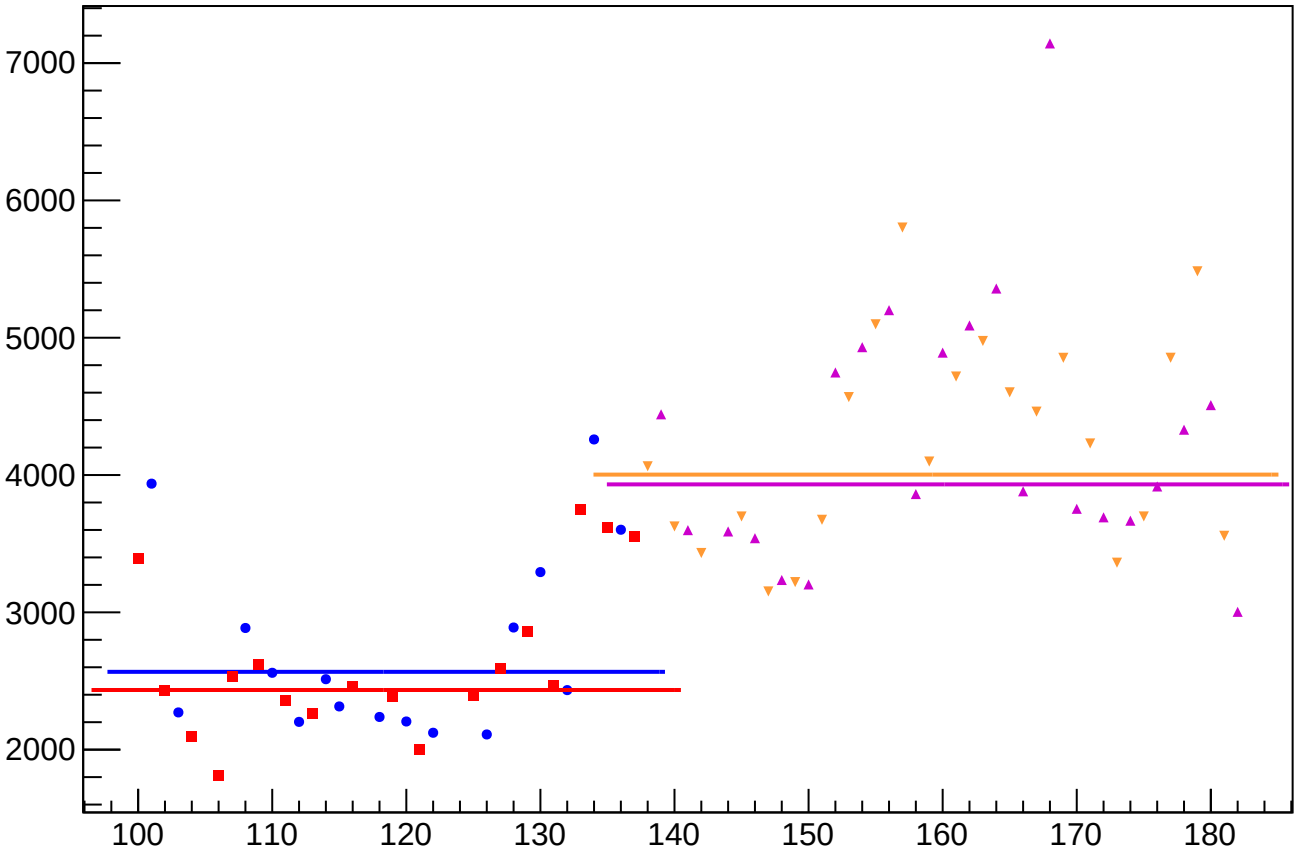
Left: 150.868+/-679.488 χ^2/NDF: 42.4/43

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 297.230+/-680.398 χ^2/NDF:28.3/37

Out: 142.667+/-670.644 χ^2/NDF:46.2/39

All: 218.833+/-477.628 χ^2/NDF: 74.5/77



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4003.141+/-0.691 χ^2/NDF:993186.8/21

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3931.924+/-0.669 χ^2/NDF:1257798.5/21

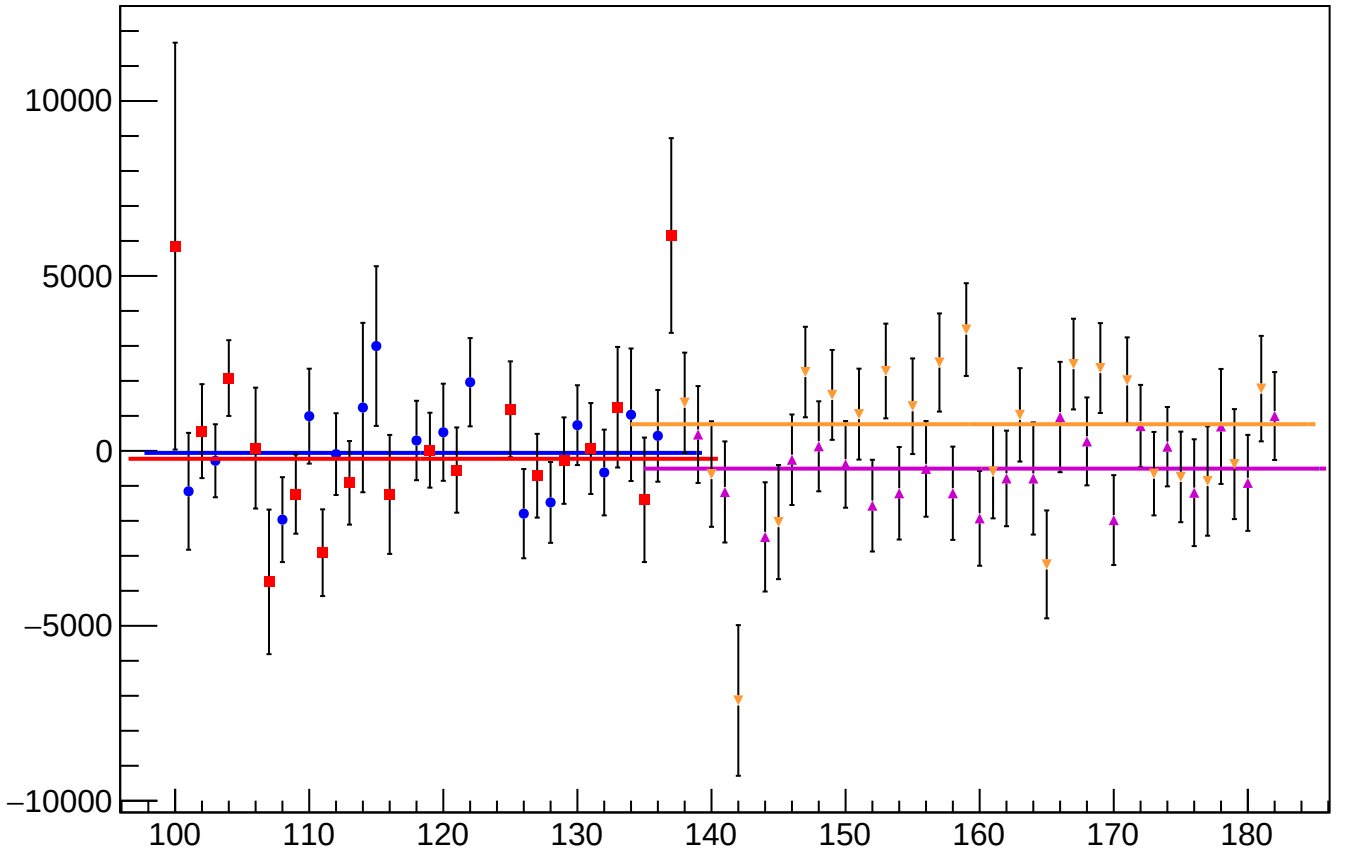
Left: 3966.361+/-0.480 χ^2/NDF: 2256471.9/43

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3273.668+/-0.481 χ^2/NDF:3934052.9/37

Out: 3173.373+/-0.474 χ^2/NDF:4153816.0/39

All: 3222.796+/-0.338 χ^2/NDF: 8109911.1/77



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 761.742+/-295.770 χ^2/NDF:43.4/21

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -507.036+/-287.554 χ^2/NDF:11.2/21

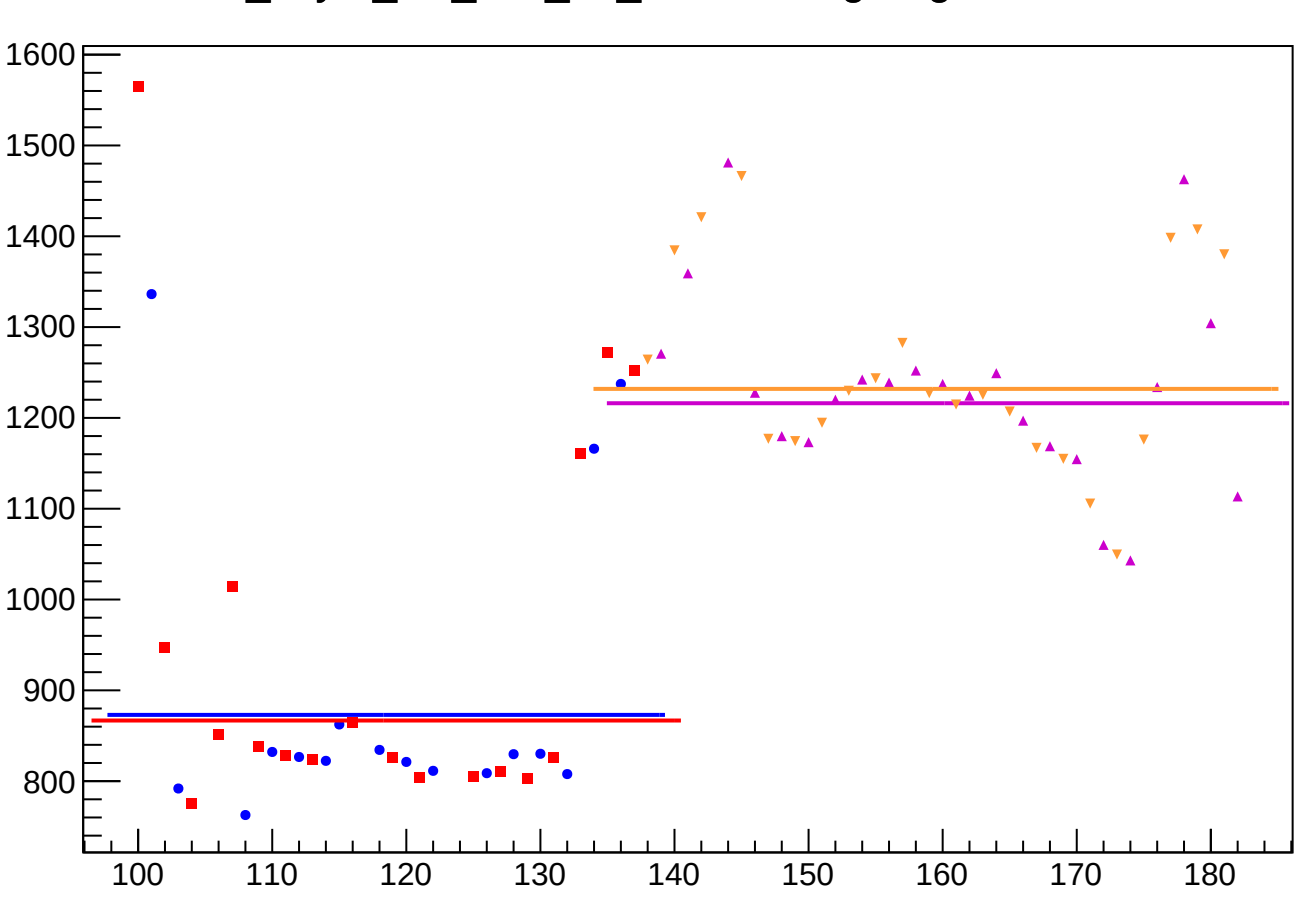
Left: 109.486+/-206.175 χ^2/NDF: 64.0/43

Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -312.953+/-216.820 χ^2/NDF:25.2/37

Out: 318.840+/-219.675 χ^2/NDF:71.3/39

All: -1.188+/-154.315 χ^2/NDF: 100.7/77



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1231.951+/-0.209 χ^2/NDF:241942.2/21

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1216.151+/-0.203 χ^2/NDF:245197.4/21

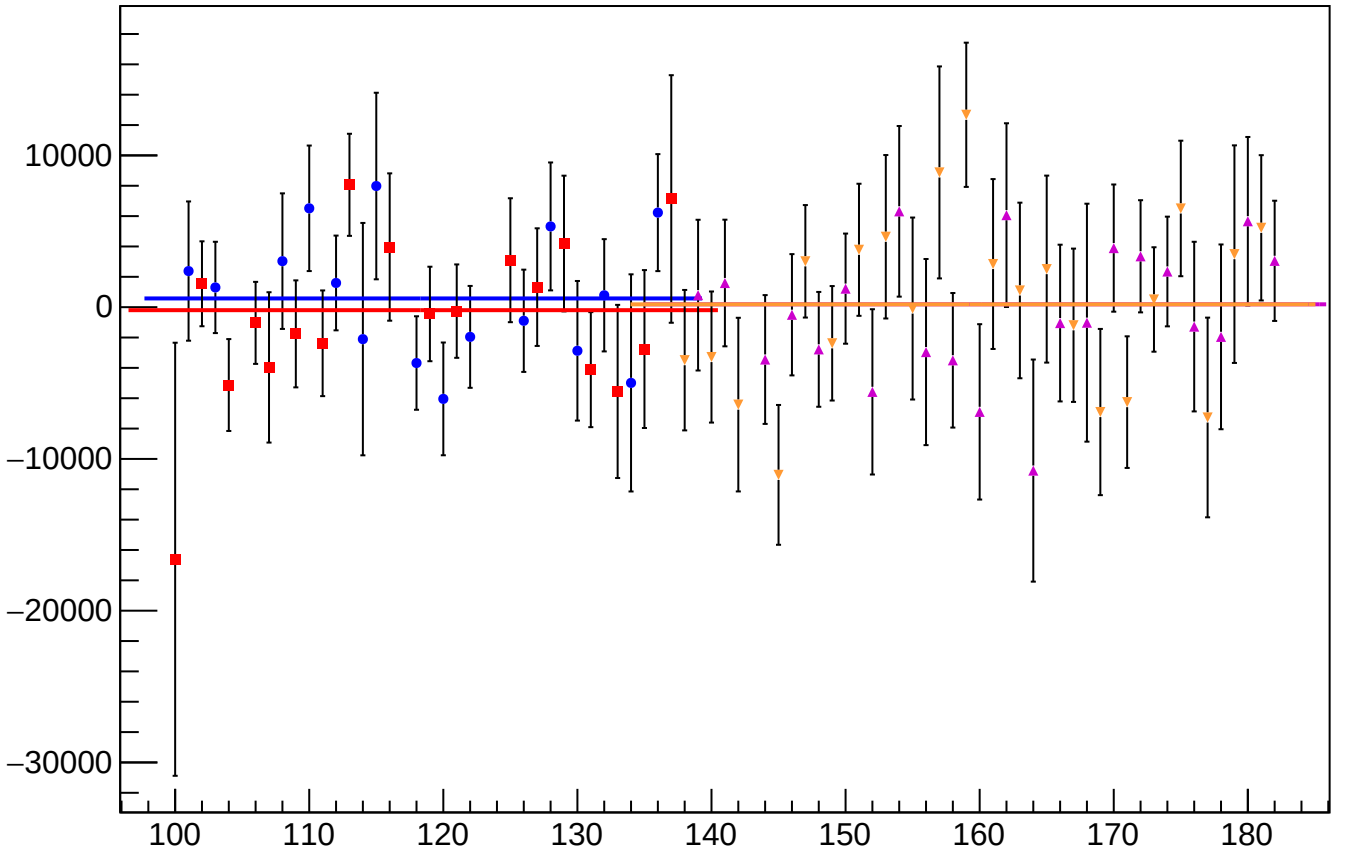
Left: 1223.828+/-0.146 χ^2/NDF: 490073.7/43

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1068.082+/-0.153 χ^2/NDF:1891356.4/37

Out: 1068.039+/-0.155 χ^2/NDF:1900805.6/39

All: 1068.061+/-0.109 χ^2/NDF: 3792162.0/77



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 186.378+/-1033.807 χ^2/NDF:28.4/21

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: 188.323+/-1001.817 χ^2/NDF:13.2/21

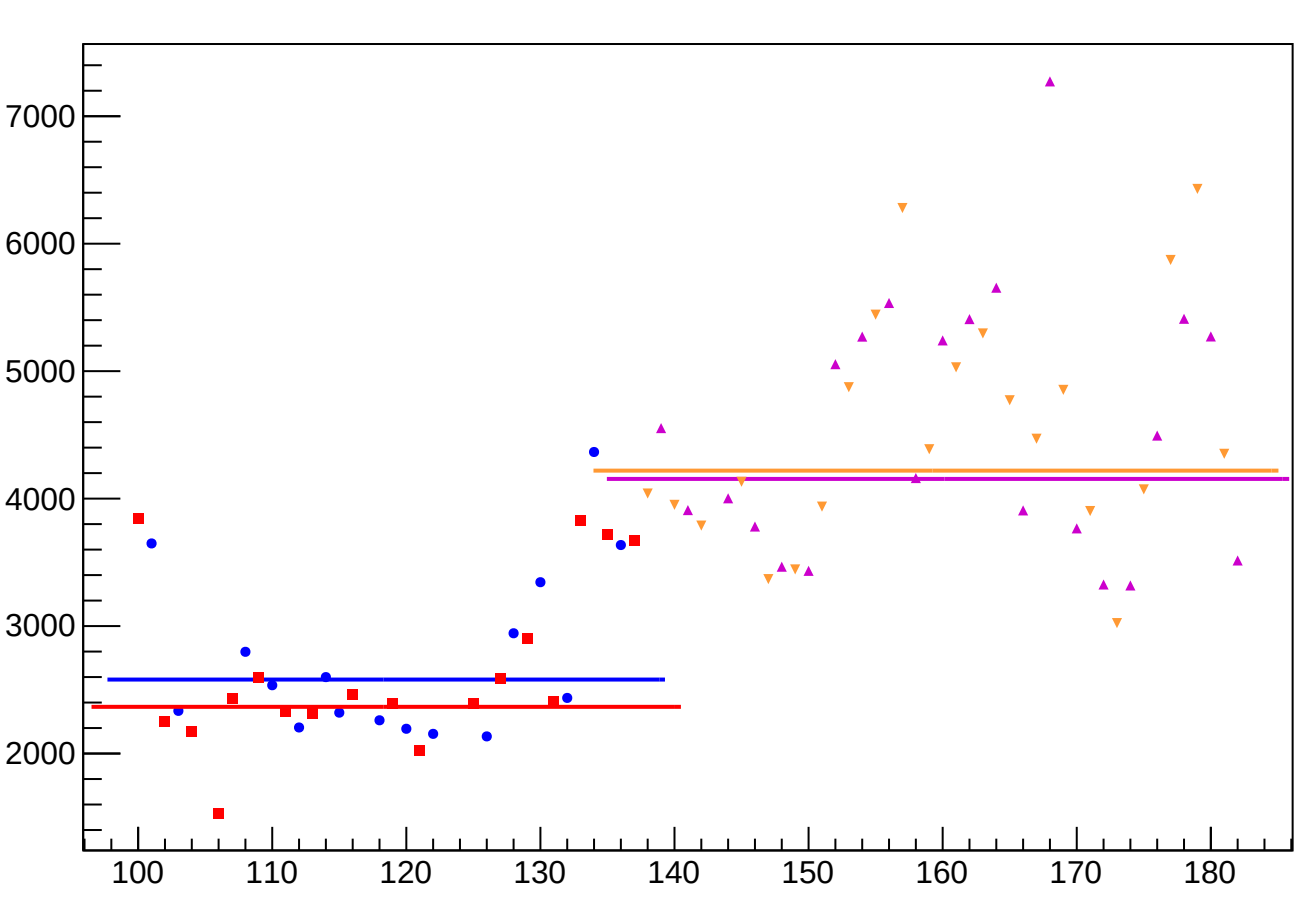
Left: 187.381+/-719.435 χ^2/NDF: 41.6/43

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 385.094+/-702.330 χ^2/NDF:28.0/37

Out: -33.489+/-676.275 χ^2/NDF:45.7/39

All: 167.894+/-487.149 χ^2/NDF: 73.8/77



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4219.565+/-0.731 χ^2/NDF:1241874.7/21

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4154.499+/-0.708 χ^2/NDF:1432063.4/21

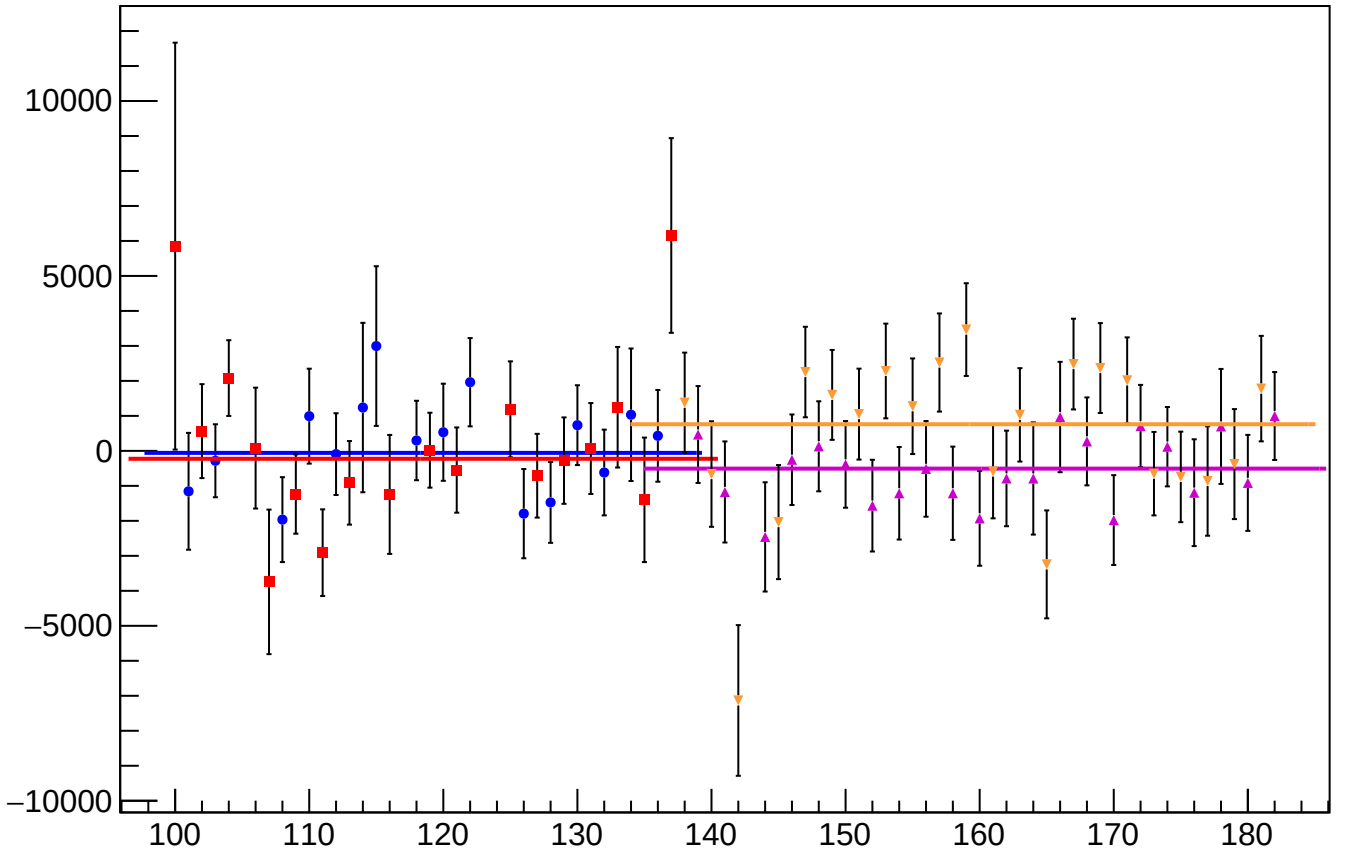
Left: 4186.010+/-0.509 χ^2/NDF: 2678023.9/43

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3354.026+/-0.497 χ^2/NDF:4560172.1/37

Out: 3159.422+/-0.478 χ^2/NDF:5530006.5/39

All: 3253.047+/-0.344 χ^2/NDF: 10169854.8/7



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 761.743+/-295.771 χ^2/NDF:43.4/21

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -507.034+/-287.555 χ^2/NDF:11.2/21

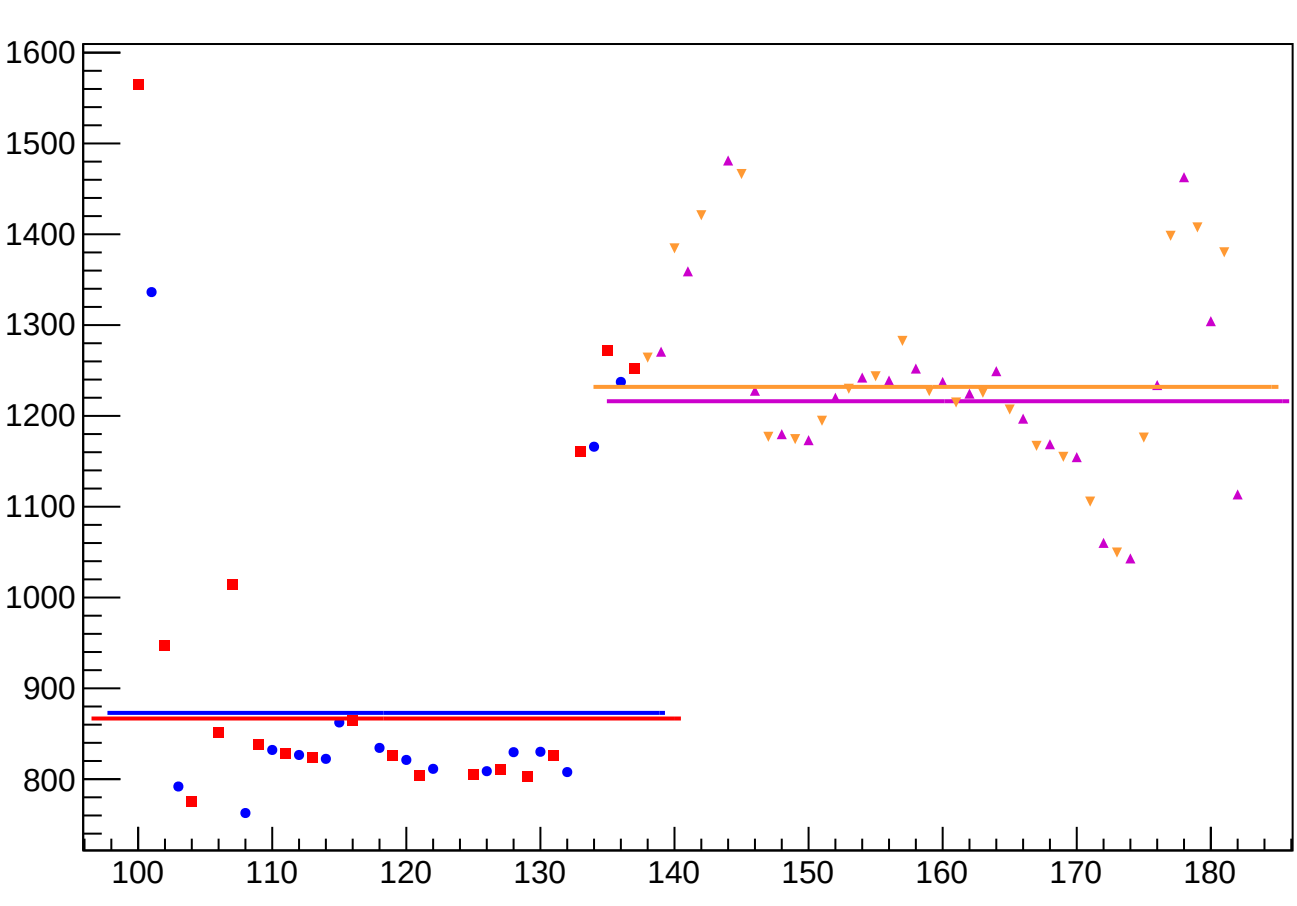
Left: 109.488+/-206.175 χ^2/NDF: 64.0/43

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -312.953+/-216.821 χ^2/NDF:25.2/37

Out: 318.839+/-219.675 χ^2/NDF:71.3/39

All: -1.189+/-154.315 χ^2/NDF: 100.7/77



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1231.952+/-0.209 χ^2/NDF:241954.8/21

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1216.152+/-0.203 χ^2/NDF:245208.3/21

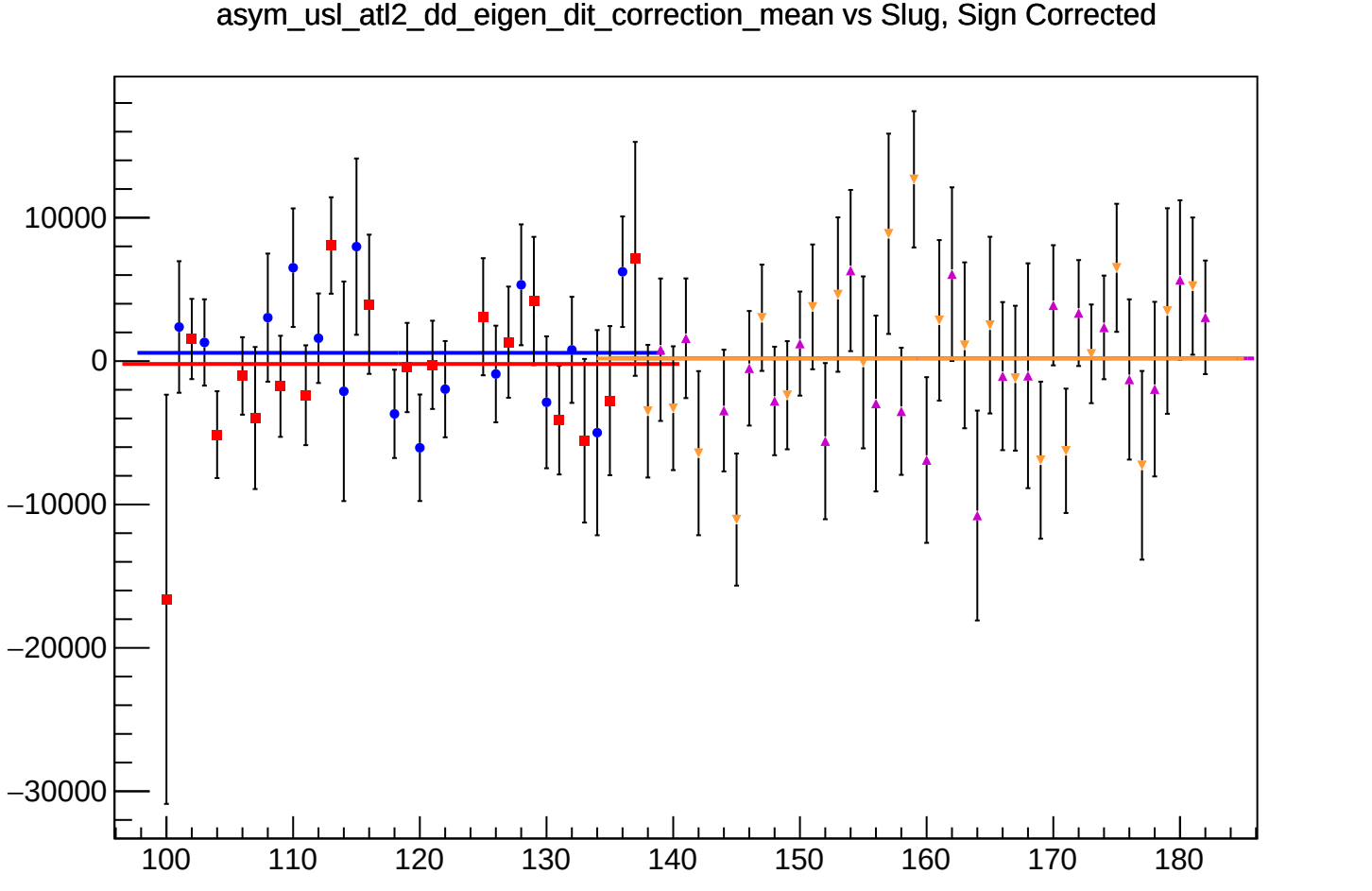
Left: 1223.829+/-0.146 χ^2/NDF: 490097.3/43

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1068.083+/-0.153 χ^2/NDF:1891372.3/37

Out: 1068.039+/-0.155 χ^2/NDF:1900823.1/39

All: 1068.061+/-0.109 χ^2/NDF: 3792195.5/77



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 186.379+/-1033.809 χ^2/NDF:28.4/21

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: 188.323+/-1001.818 χ^2/NDF:13.2/21

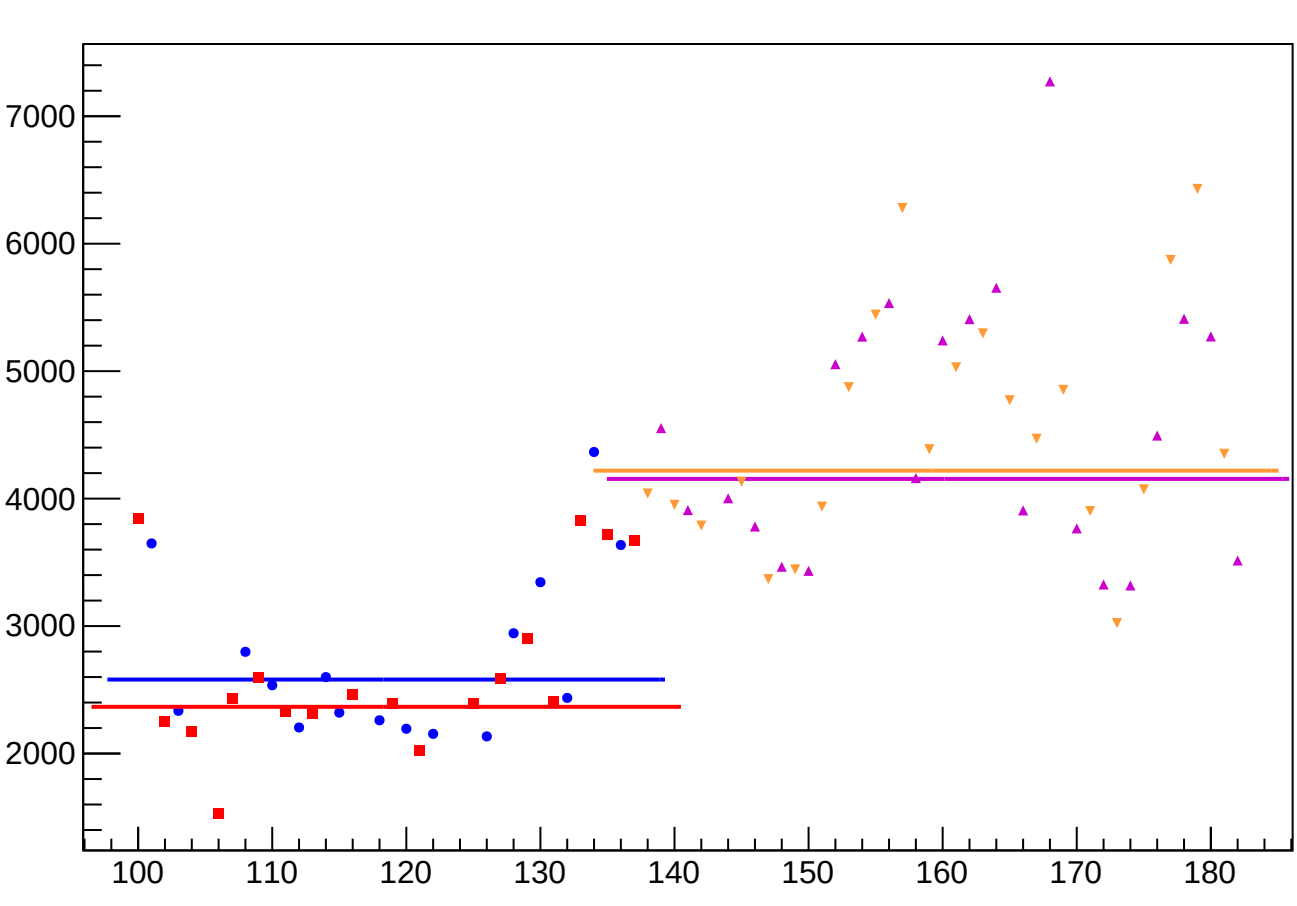
Left: 187.382+/-719.436 χ^2/NDF: 41.6/43

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 385.092+/-702.329 χ^2/NDF:28.0/37

Out: -33.490+/-676.274 χ^2/NDF:45.7/39

All: 167.893+/-487.149 χ^2/NDF: 73.8/77



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4219.574+/-0.731 χ^2/NDF:1241873.7/21

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4154.506+/-0.708 χ^2/NDF:1432064.7/21

Left: 4186.017+/-0.509 χ^2/NDF: 2678024.3/43

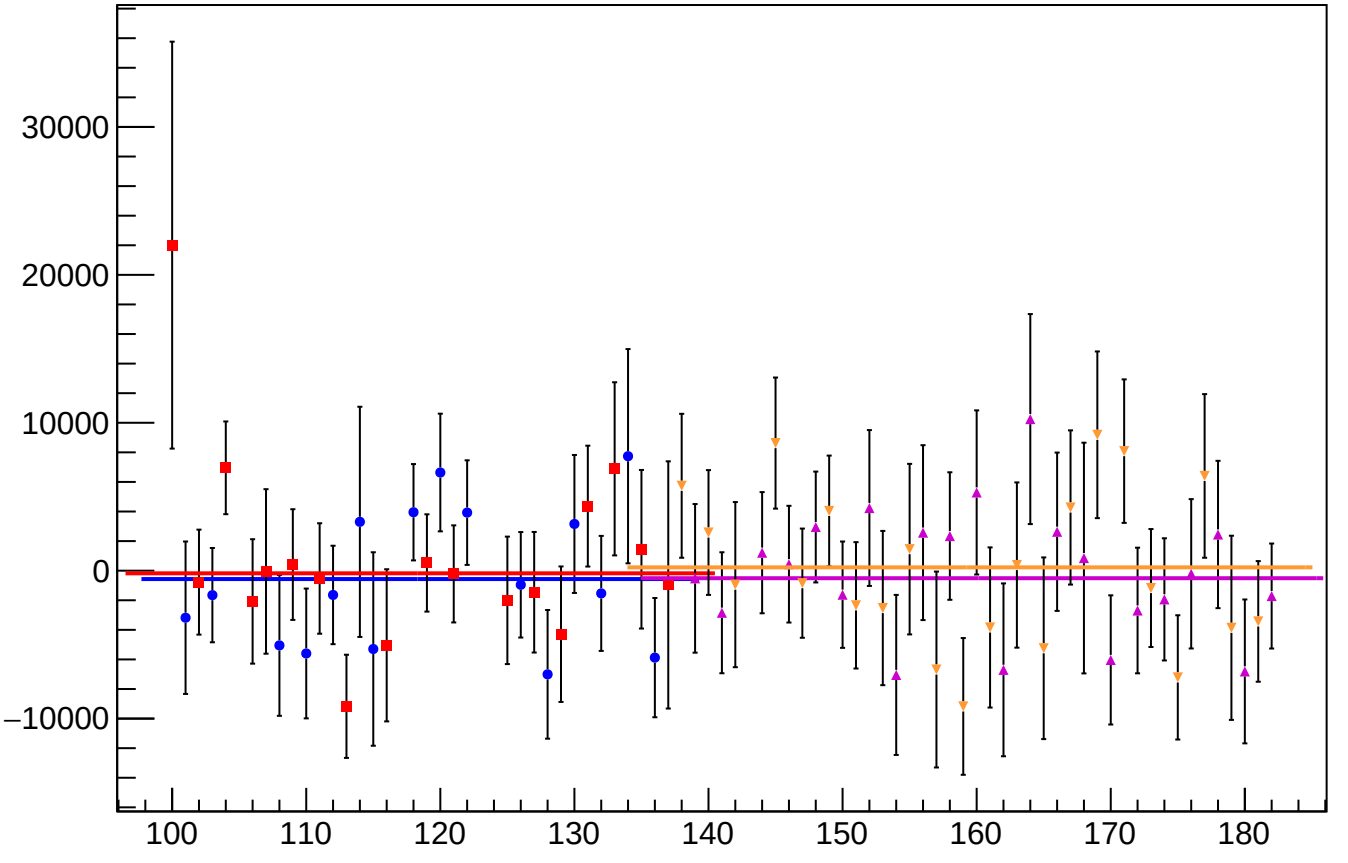
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3354.021+/-0.497 χ^2/NDF:4560233.3/37

Out: 3159.417+/-0.478 χ^2/NDF:5530069.1/39

All: 3253.043+/-0.344 χ^2/NDF: 10169978.8/7

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 225.793+/-1021.100 χ^2/NDF:25.1/21

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -509.119+/-987.659 χ^2/NDF:13.5/21

Left: -153.894+/-709.908 χ^2/NDF: 38.9/43

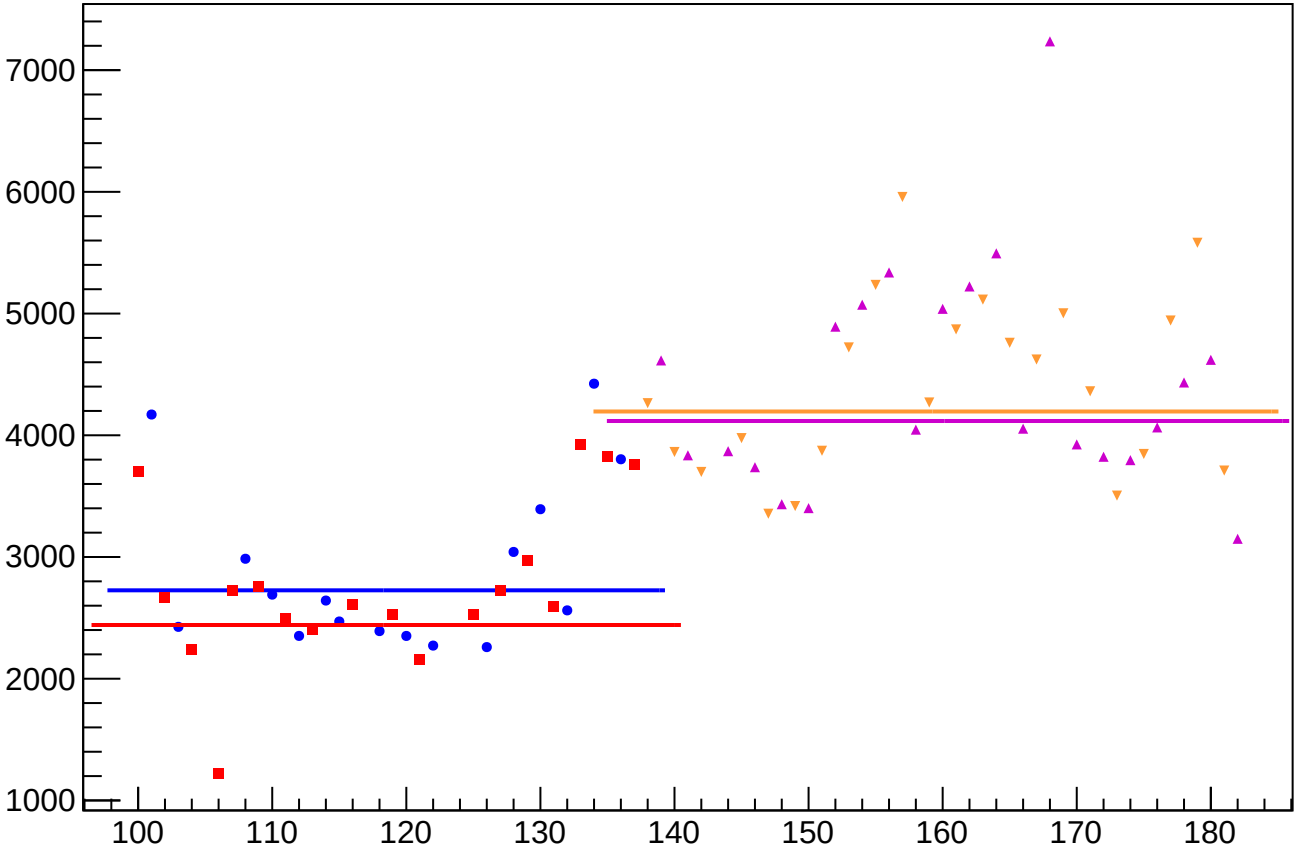
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -536.129+/-716.272 χ^2/NDF:29.7/37

Out: 17.023+/-710.181 χ^2/NDF:44.7/39

All: -257.191+/-504.313 χ^2/NDF: 74.8/77

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4195.467+/-0.722 χ^2/NDF:859012.7/21

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4117.324+/-0.698 χ^2/NDF:1118369.3/21

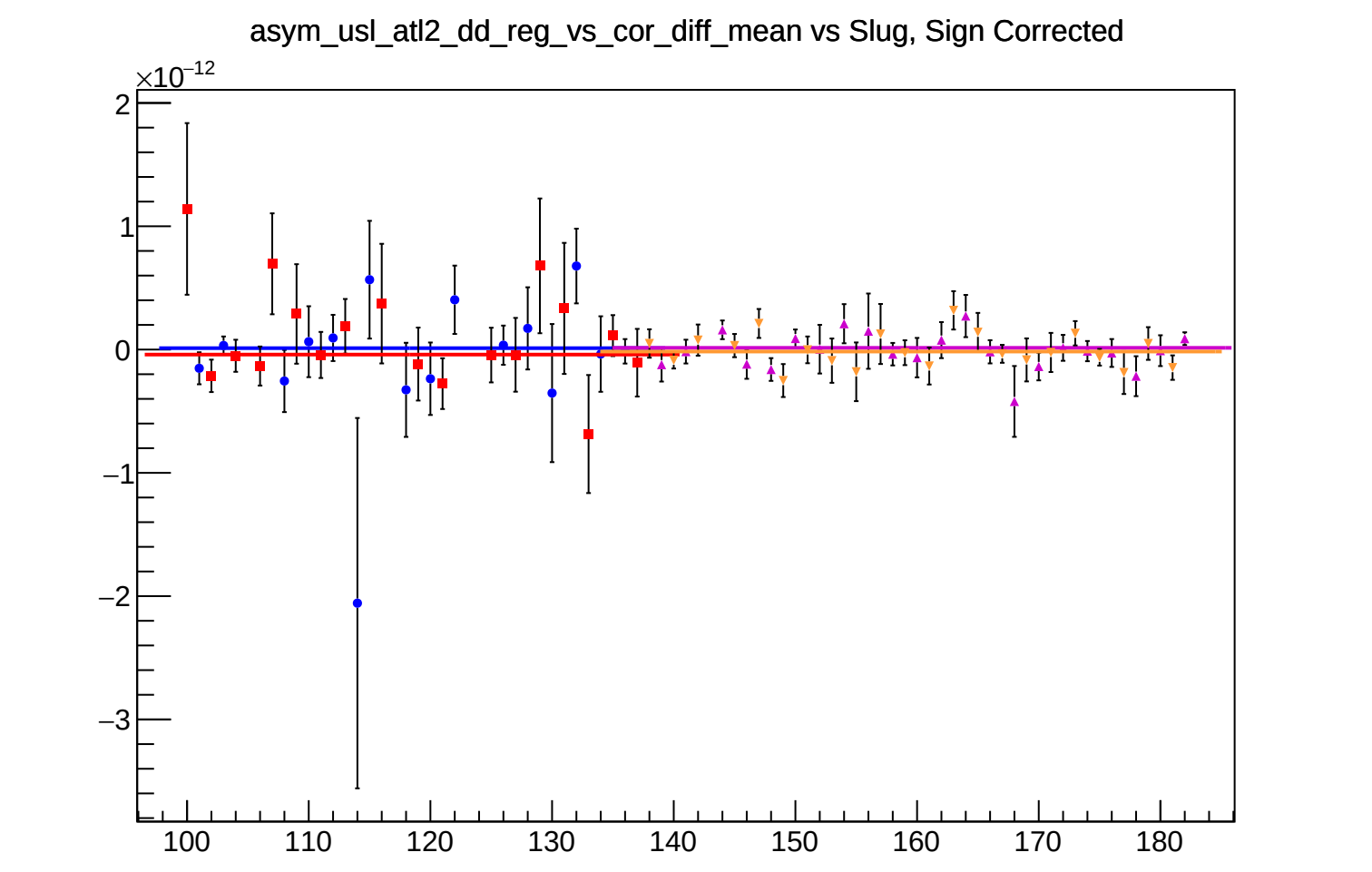
Left: 4155.095+/-0.502 χ^2/NDF: 1983433.5/43

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3457.871+/-0.506 χ^2/NDF:3622307.2/37

Out: 3248.957+/-0.490 χ^2/NDF:4934883.8/39

All: 3349.942+/-0.352 χ^2/NDF: 8645089.3/77



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:24.0/21

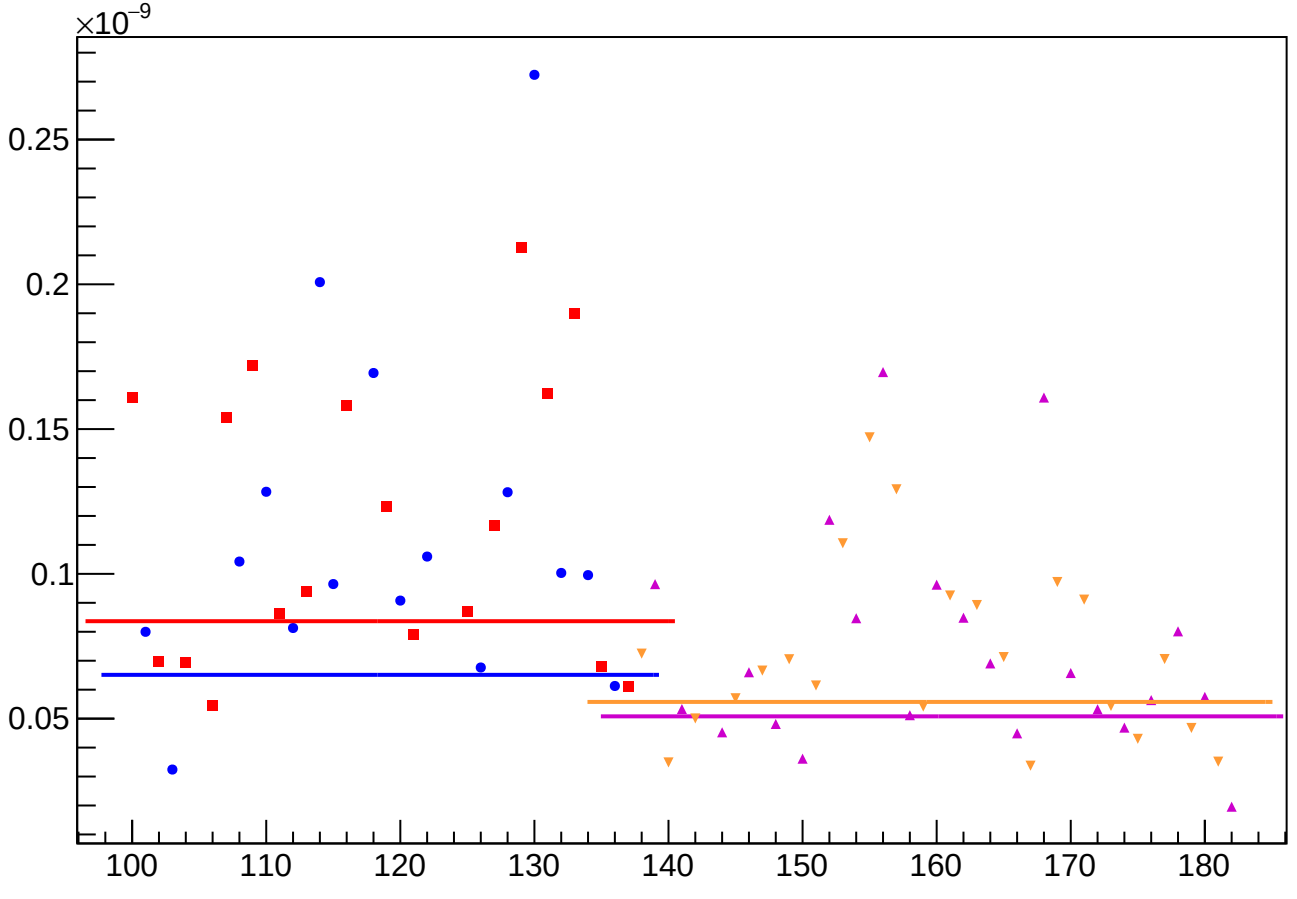
Left: 0.000+/-0.000 χ^2/NDF: 47.1/43

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:39.4/37

Out: -0.000+/-0.000 χ^2/NDF:39.4/39

All: -0.000+/-0.000 χ^2/NDF: 80.1/77



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1761580.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2418142.3/21

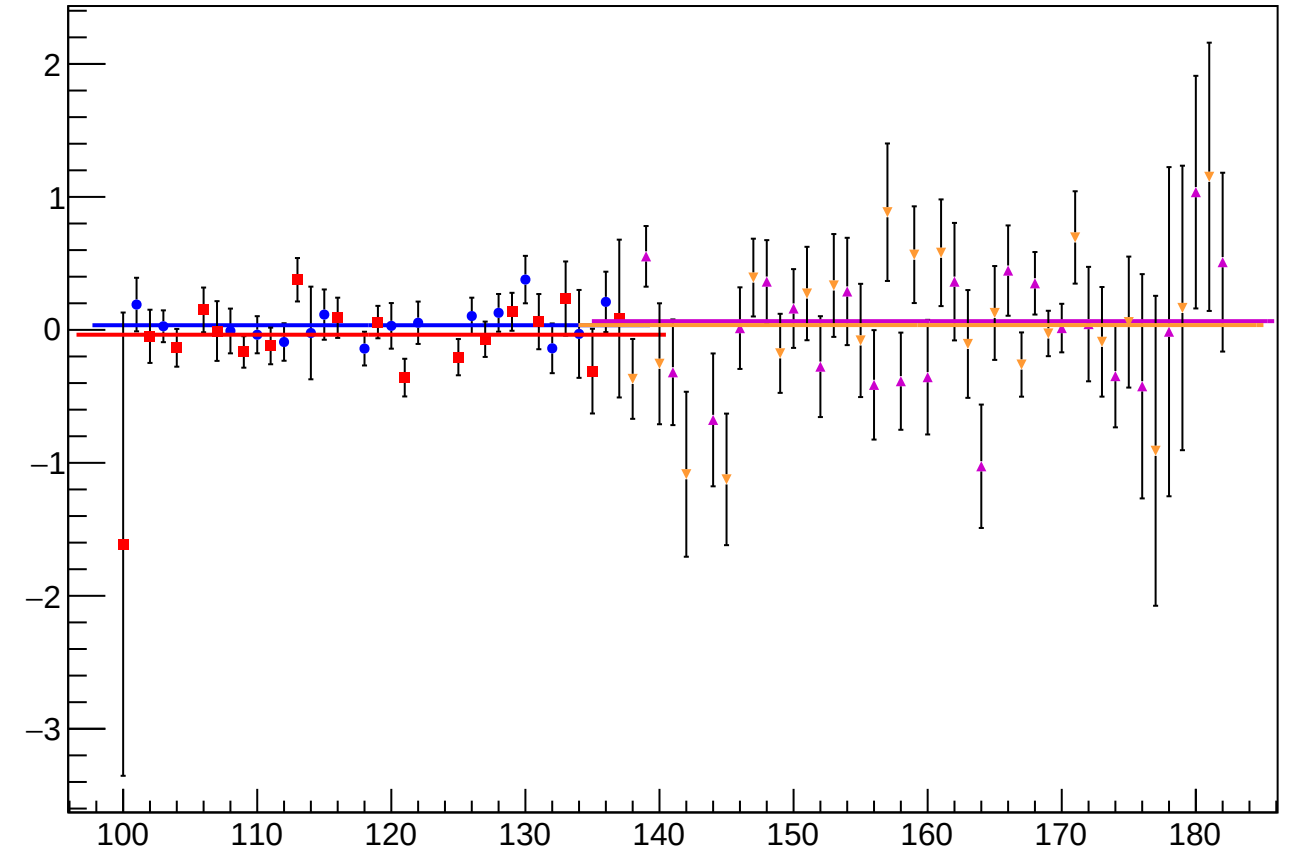
Left: 0.000+/-0.000 χ^2/NDF: 4226450.6/43

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:3809487.8/37

Out: 0.000+/-0.000 χ^2/NDF:2908493.0/39

All: 0.000+/-0.000 χ^2/NDF: 6822171.6/77



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.036+/-0.077 χ^2/NDF:28.2/21

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.066+/-0.075 χ^2/NDF:25.7/21

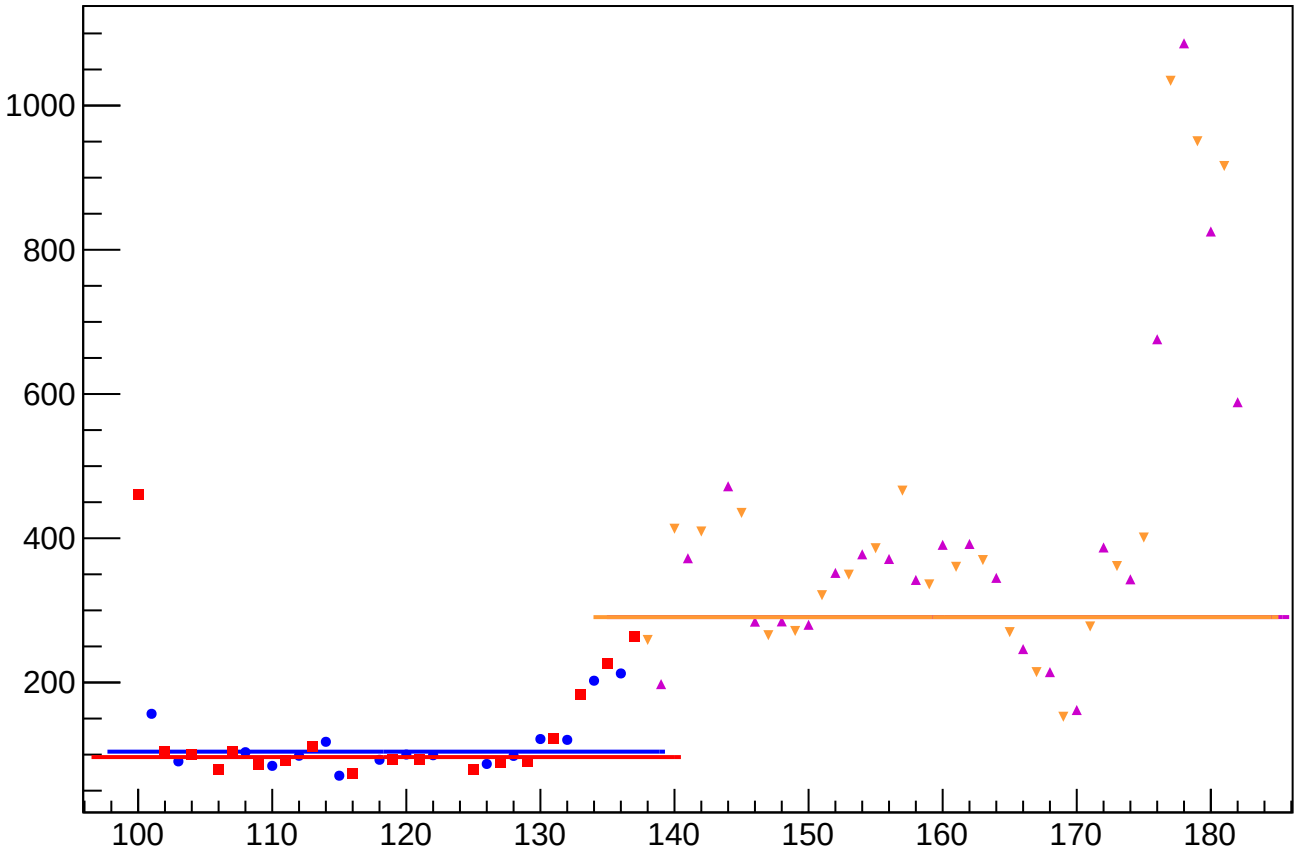
Left: 0.051+/-0.054 χ^2/NDF: 53.9/43

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.036 χ^2/NDF:35.5/37

Out: -0.022+/-0.035 χ^2/NDF:51.0/39

All: 0.009+/-0.025 χ^2/NDF: 88.1/77



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 290.632+/-0.054 χ^2/NDF:5016164.7/21

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 290.713+/-0.053 χ^2/NDF:4949553.2/21

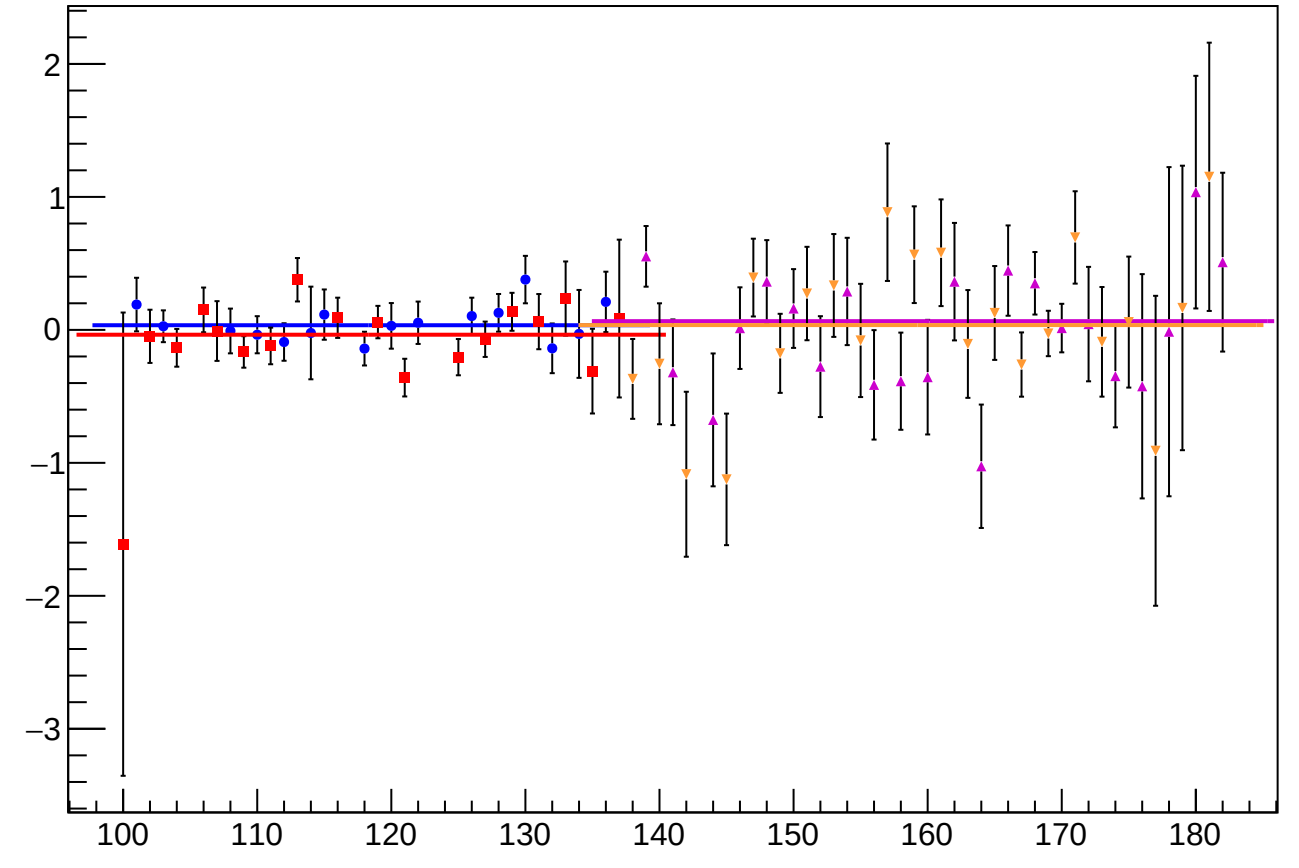
Left: 290.674+/-0.038 χ^2/NDF: 9965719.0/43

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 147.119+/-0.025 χ^2/NDF:15476710.8/37

Out: 136.250+/-0.025 χ^2/NDF:16149566.0/39

All: 141.485+/-0.018 χ^2/NDF: 31720826.1/77



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.036+/-0.077 χ^2/NDF:28.2/21

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.066+/-0.075 χ^2/NDF:25.7/21

Left: 0.051+/-0.054 χ^2/NDF: 53.9/43

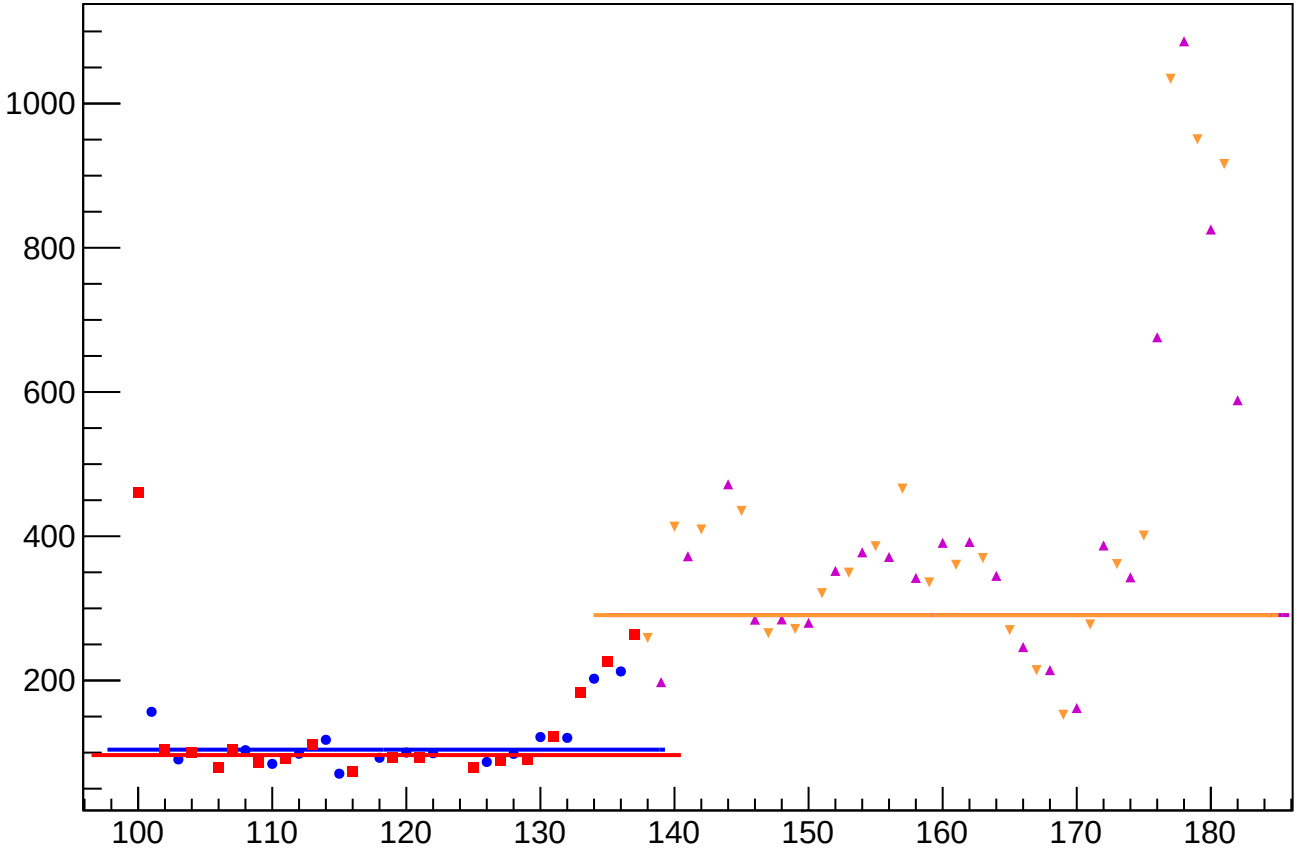
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.036 χ^2/NDF:35.5/37

Out: -0.022+/-0.035 χ^2/NDF:51.0/39

All: 0.009+/-0.025 χ^2/NDF: 88.1/77

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: 290.632+/-0.054 χ^2/NDF:5016164.7/21

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 290.713+/-0.053 χ^2/NDF:4949553.2/21

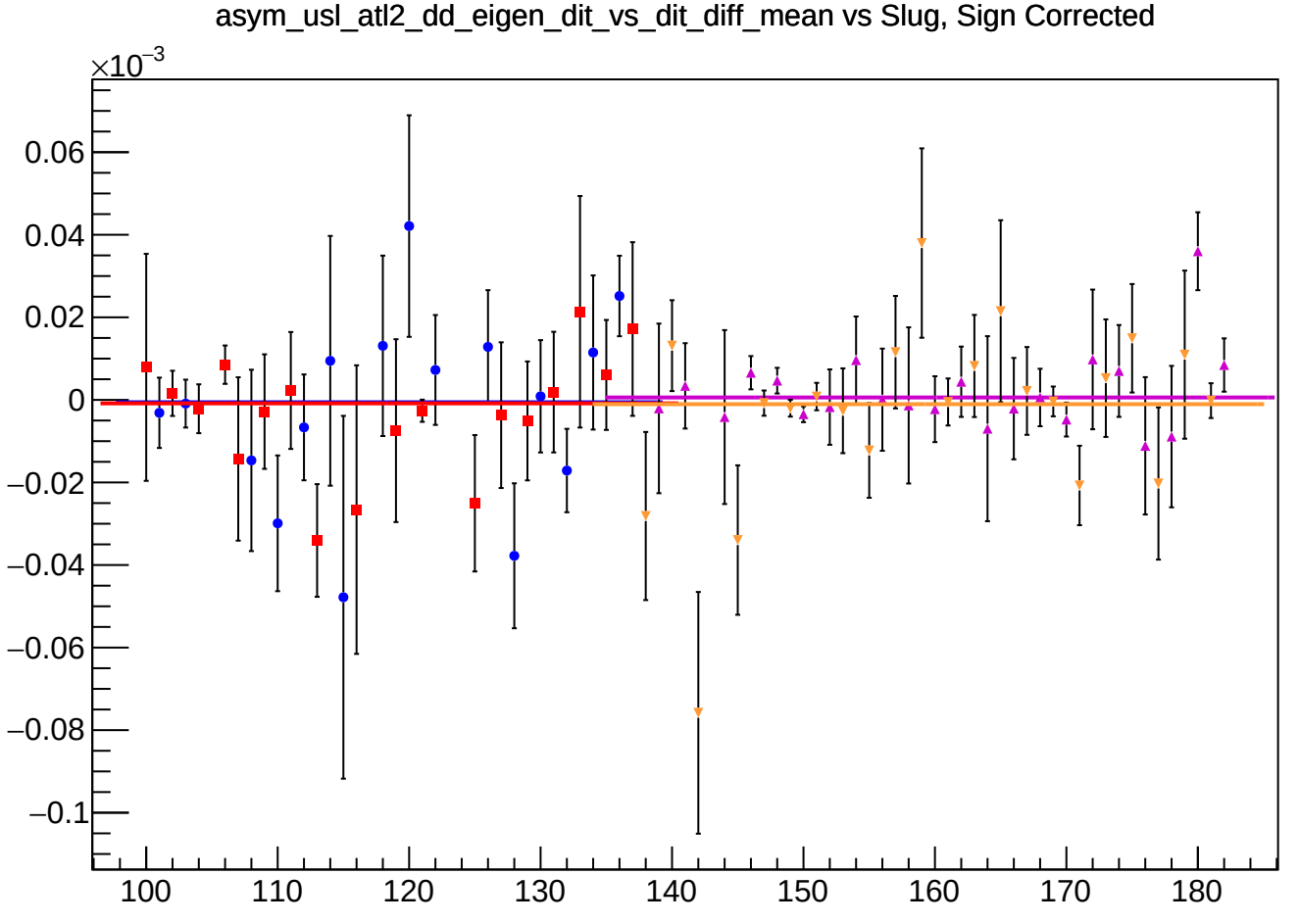
Left: 290.674+/-0.038 χ^2/NDF: 9965719.0/43

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 147.119+/-0.025 χ^2/NDF:15476710.8/37

Out: 136.250+/-0.025 χ^2/NDF:16149566.0/39

All: 141.485+/-0.018 χ^2/NDF: 31720826.1/77



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:28.5/21

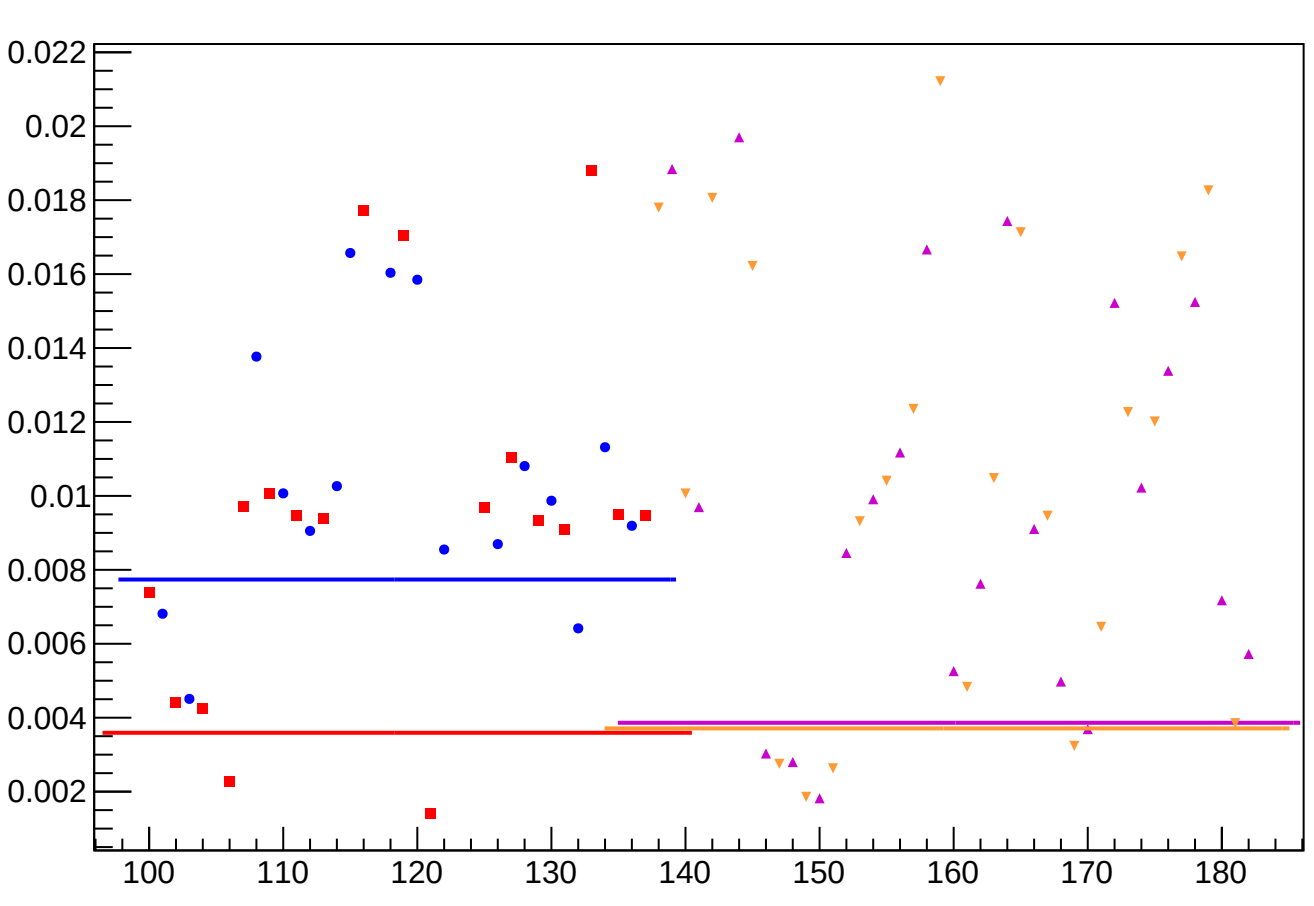
Left: -0.000+/-0.000 χ^2/NDF: 57.0/43

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: 0.000+/-0.000 χ^2/NDF:52.6/37

Out: -0.000+/-0.000 χ^2/NDF:43.5/39

All: -0.000+/-0.000 χ^2/NDF: 96.9/77



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:14074184.2/21

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:13293434.3/21

Left: 0.004+/-0.000 χ^2/NDF: 27383071.2/43

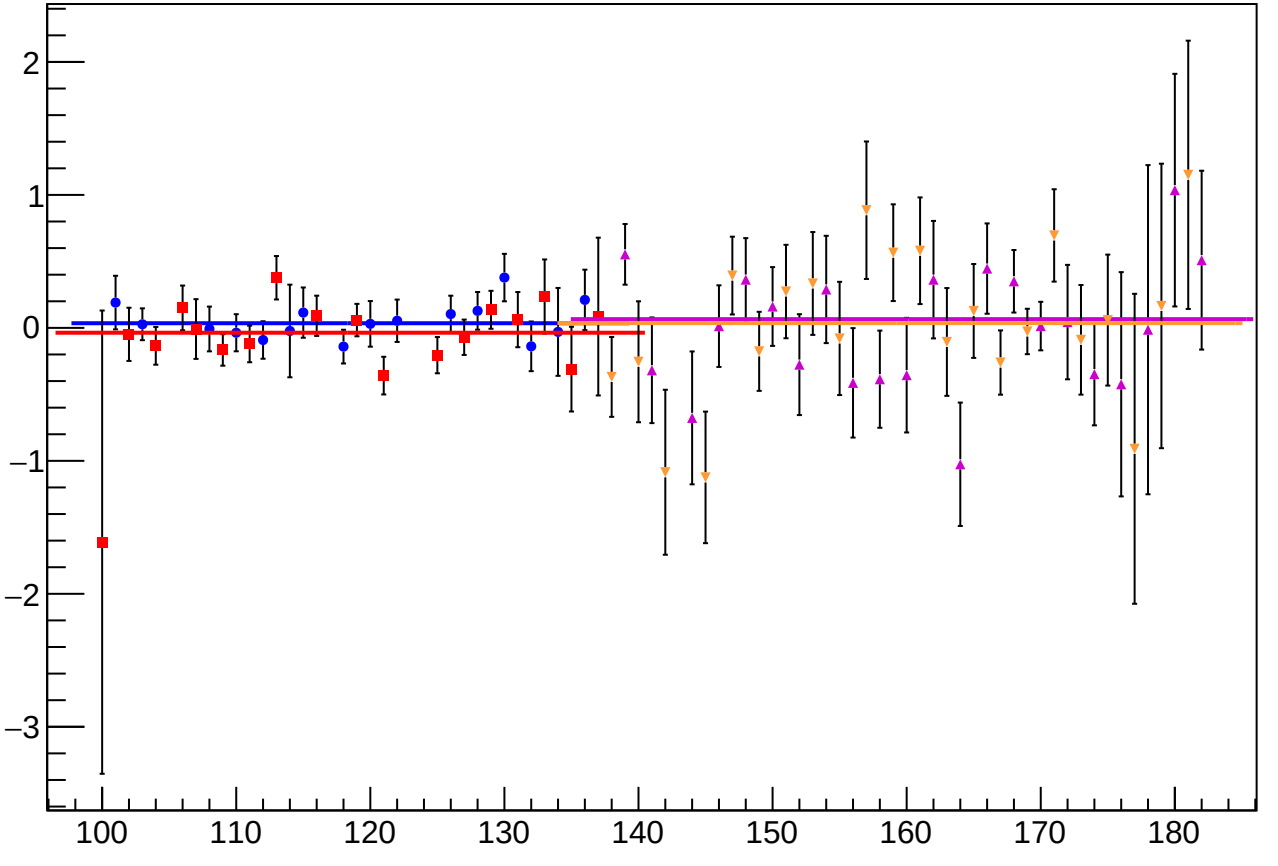
Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:17672875.2/37

Out: 0.004+/-0.000 χ^2/NDF:20444826.7/39

All: 0.004+/-0.000 χ^2/NDF: 38557319.5/77

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: 0.036+/-0.077 χ^2/NDF:28.2/21

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.066+/-0.075 χ^2/NDF:25.7/21

Left: 0.051+/-0.054 χ^2/NDF: 53.9/43

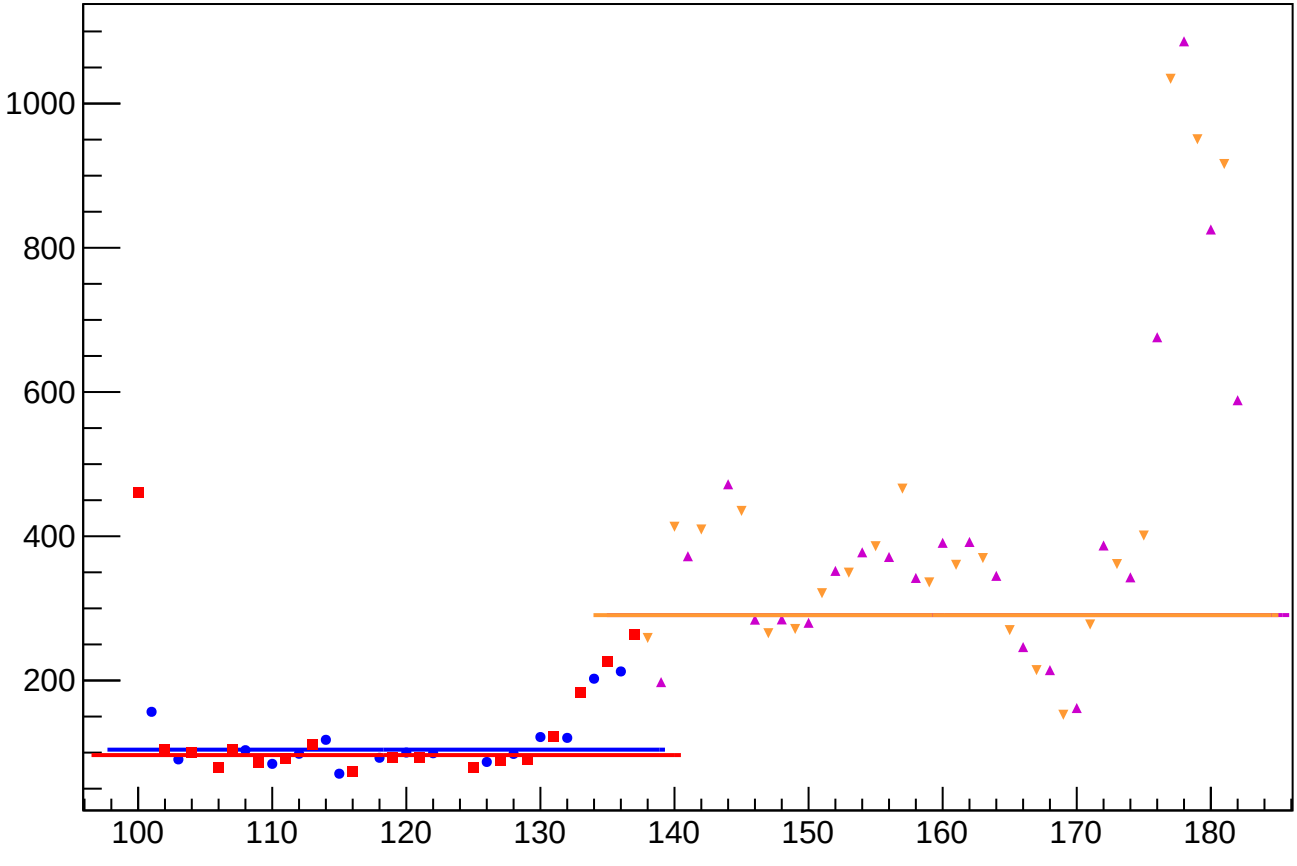
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.036 χ^2/NDF:35.5/37

Out: -0.022+/-0.035 χ^2/NDF:51.0/39

All: 0.009+/-0.025 χ^2/NDF: 88.1/77

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 290.634+/-0.054 χ^2/NDF:5016220.7/21

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 290.716+/-0.053 χ^2/NDF:4949510.2/21

Left: 290.676+/-0.038 χ^2/NDF: 9965732.1/43

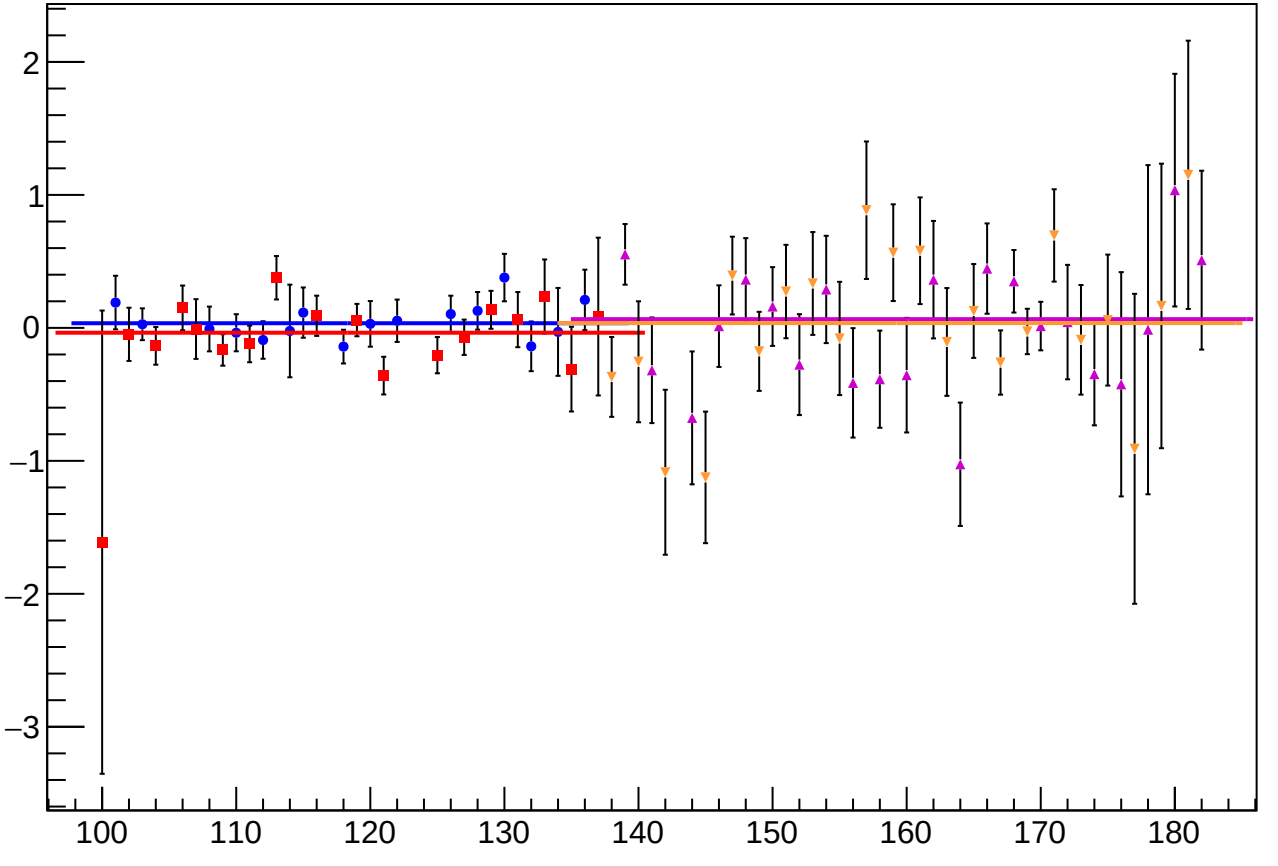
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 147.120+/-0.025 χ^2/NDF:15476686.1/37

Out: 136.251+/-0.025 χ^2/NDF:16149451.6/39

All: 141.486+/-0.018 χ^2/NDF: 31720678.0/77

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: 0.036+/-0.077 χ^2/NDF:28.2/21

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.066+/-0.075 χ^2/NDF:25.7/21

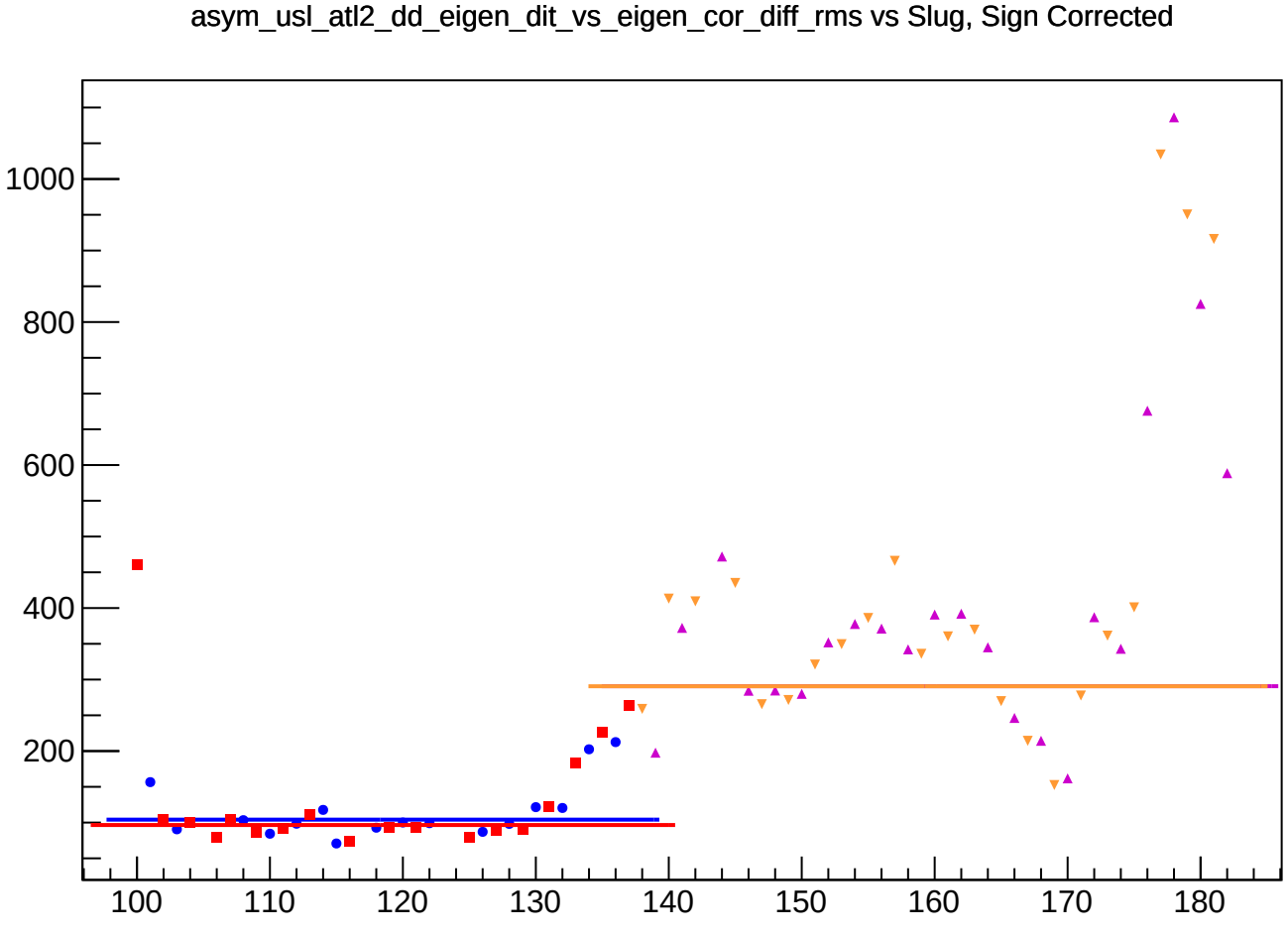
Left: 0.051+/-0.054 χ^2/NDF: 53.9/43

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.036 χ^2/NDF:35.5/37

Out: -0.022+/-0.035 χ^2/NDF:51.0/39

All: 0.009+/-0.025 χ^2/NDF: 88.1/77



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 290.634+/-0.054 χ^2/NDF:5016220.7/21

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 290.716+/-0.053 χ^2/NDF:4949510.2/21

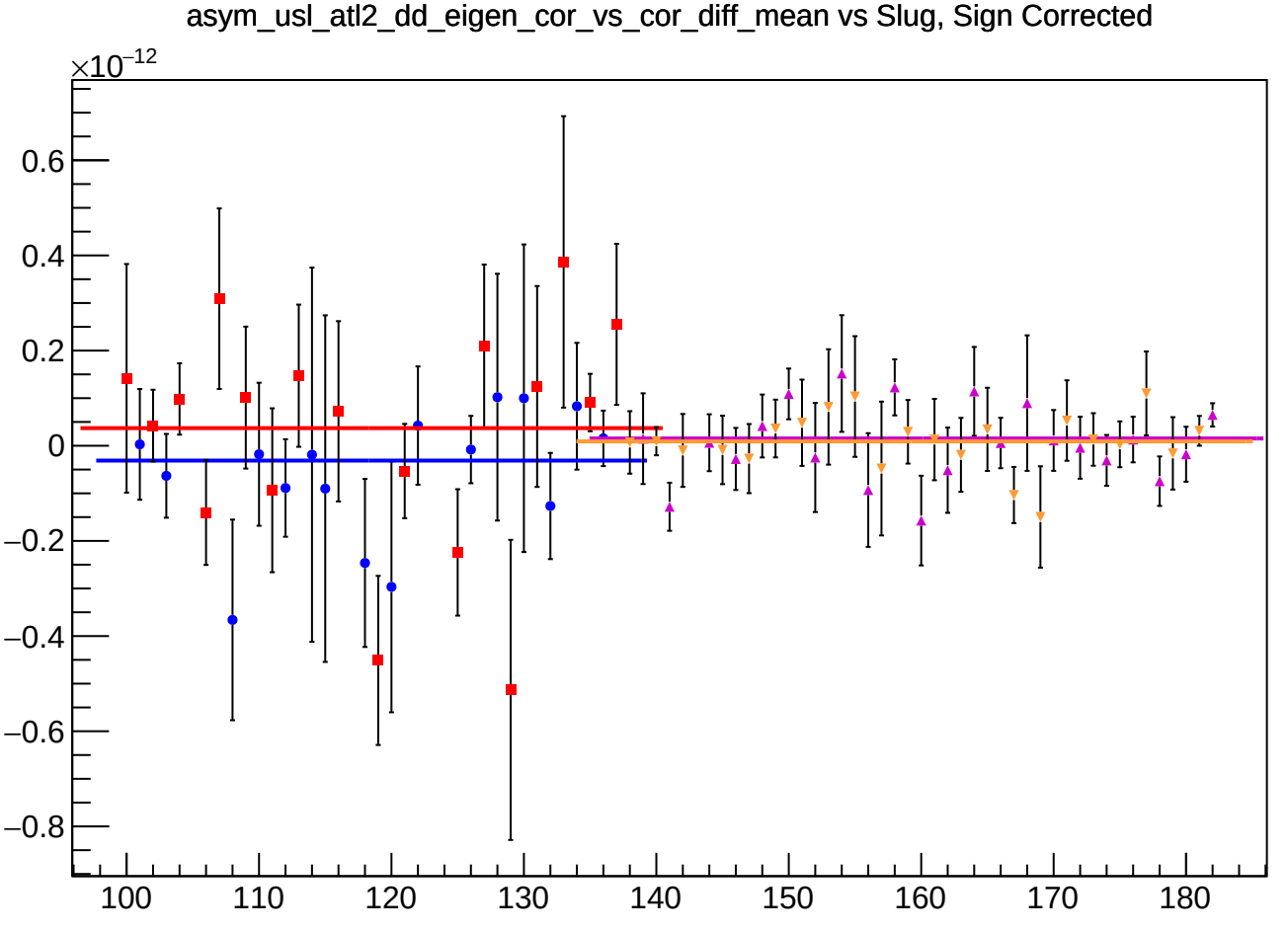
Left: 290.676+/-0.038 χ^2/NDF: 9965732.1/43

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

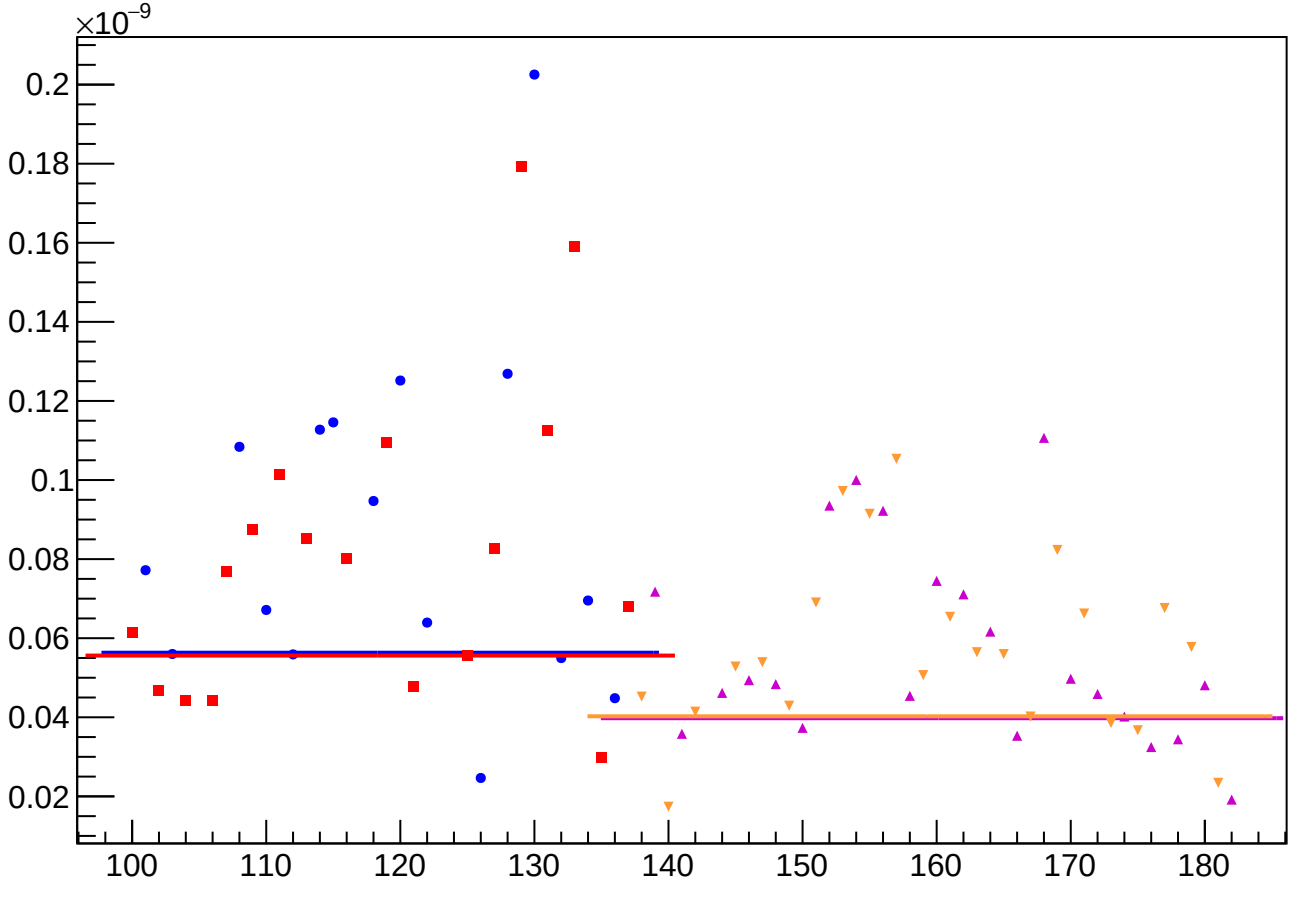
In: 147.120+/-0.025 χ^2/NDF:15476686.1/37

Out: 136.251+/-0.025 χ^2/NDF:16149451.6/39

All: 141.486+/-0.018 χ^2/NDF: 31720678.0/77


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
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:10.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 27.0/17
Left In: 0.000+/-0.000 χ²/NDF:30.9/21
Left: 0.000+/-0.000 χ²/NDF: 41.2/43
Right: 0.000+/-0.000 χ²/NDF: 38.4/33
In: 0.000+/-0.000 χ²/NDF:41.5/37
Out: 0.000+/-0.000 χ²/NDF:38.0/39
All: 0.000+/-0.000 χ²/NDF: 79.7/77

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4501555.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:4389799.3/21

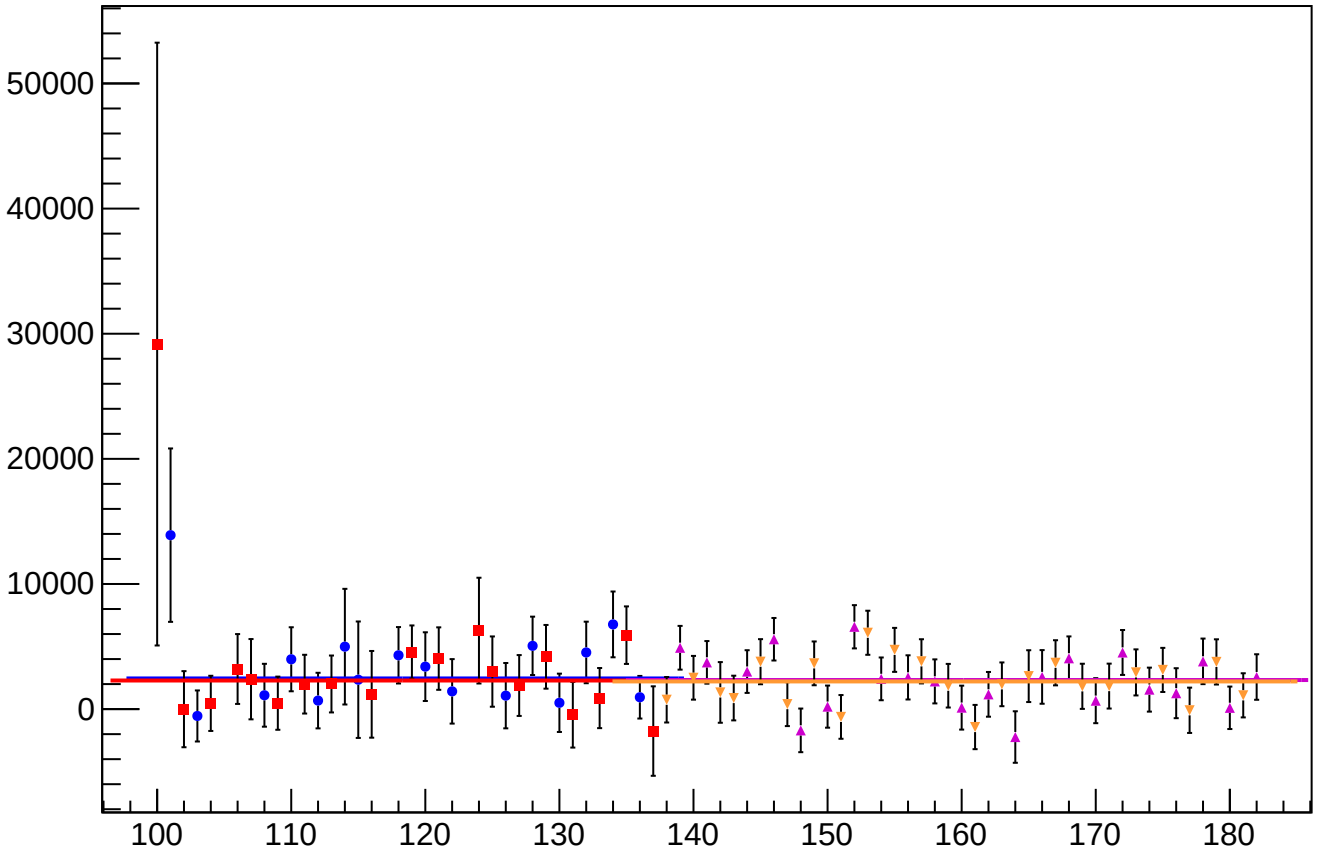
Left: 0.000+/-0.000 χ^2/NDF: 8892792.6/43

Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:6506213.7/37

Out: 0.000+/-0.000 χ^2/NDF:6740343.9/39

All: 0.000+/-0.000 χ^2/NDF: 13249711.1/77



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2213.122+/-376.589 χ^2/NDF:22.6/22

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2324.029+/-379.883 χ^2/NDF:32.8/21

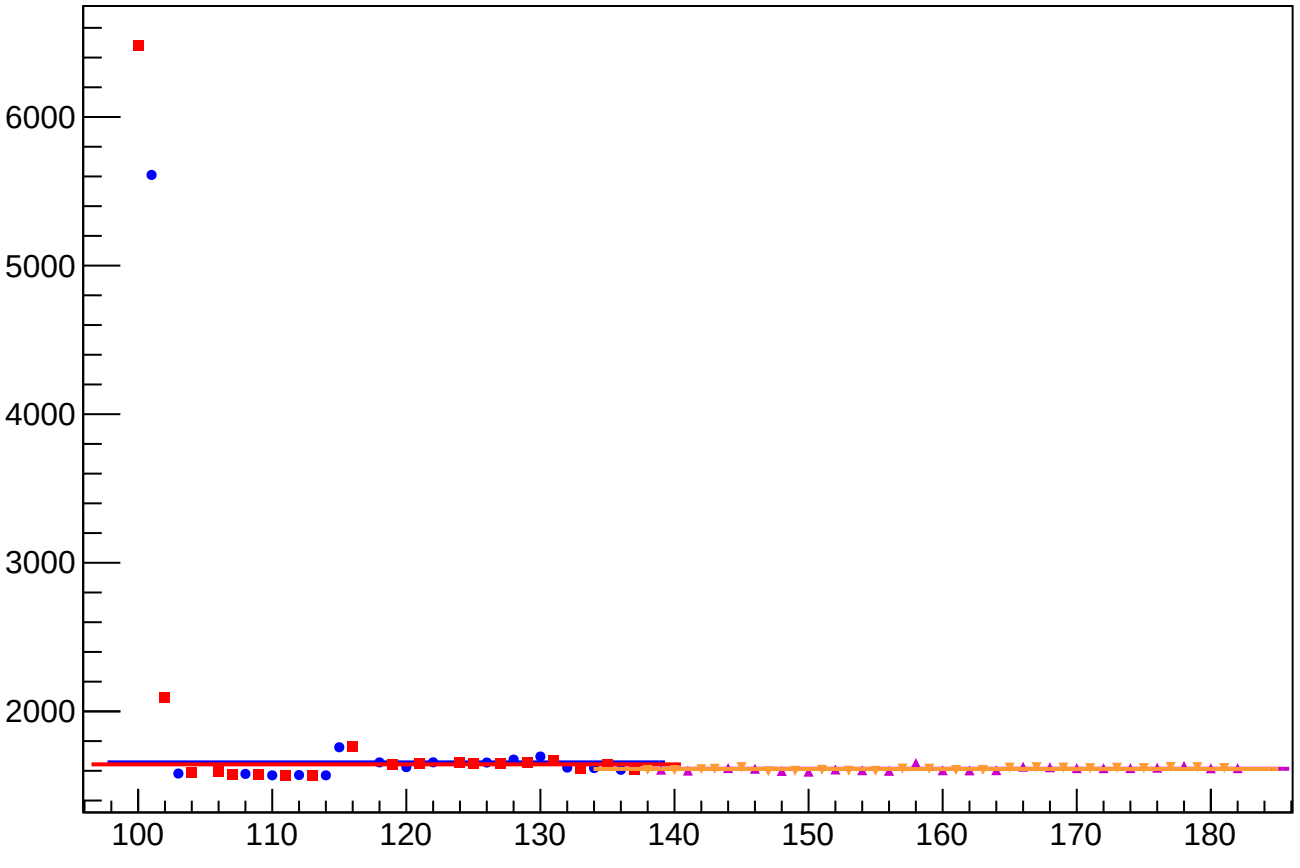
Left: 2268.092+/-267.446 χ^2/NDF: 55.4/44

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2357.589+/-325.350 χ^2/NDF:46.7/37

Out: 2233.432+/-320.320 χ^2/NDF:34.4/41

All: 2294.543+/-228.258 χ^2/NDF: 81.2/79



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1612.421+/-0.266 χ^2/NDF:1162.9/22

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1613.750+/-0.269 χ^2/NDF:2353.1/21

Left: 1613.080+/-0.189 χ^2/NDF: 3528.3/44

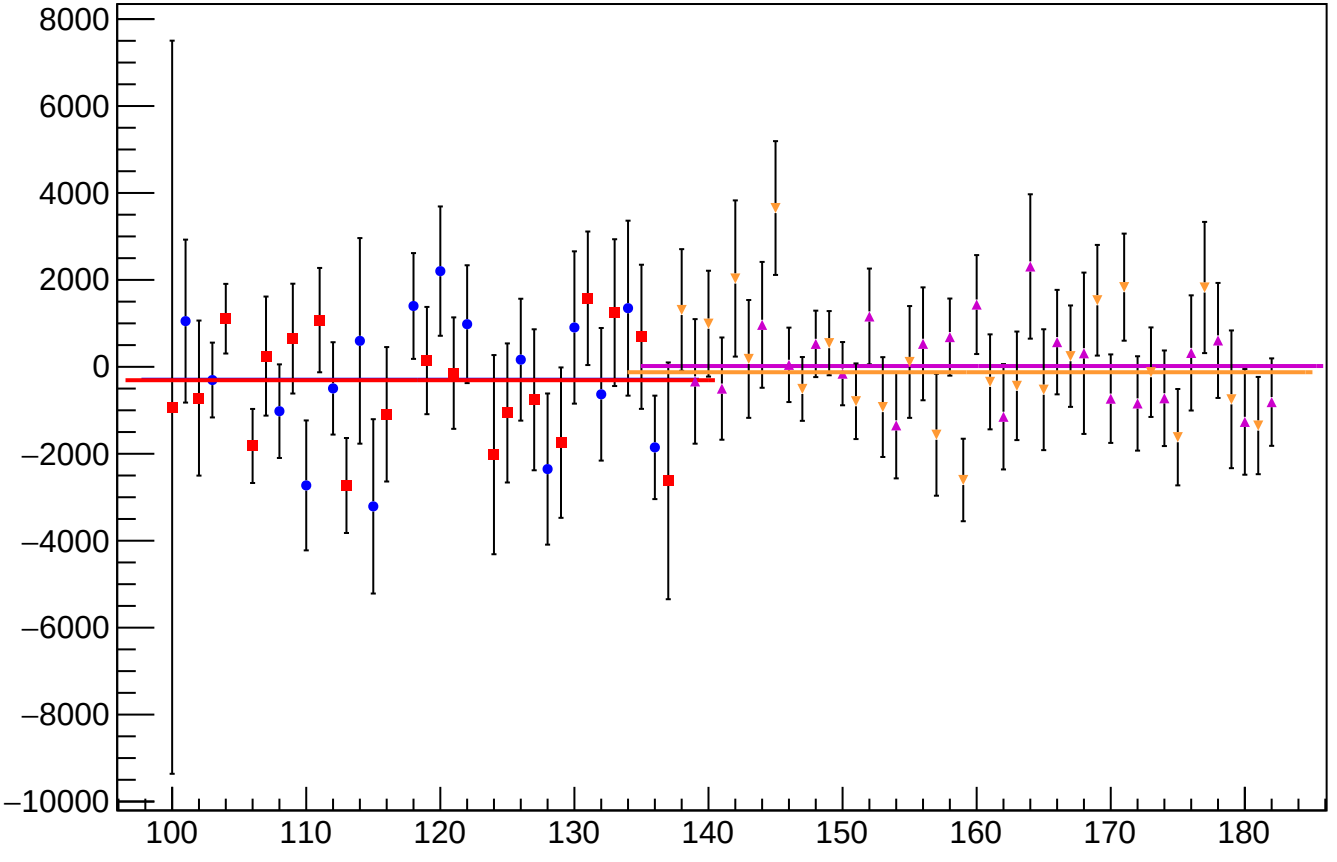
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1625.192+/-0.230 χ^2/NDF:675387.1/37

Out: 1620.996+/-0.227 χ^2/NDF:141910.2/41

All: 1623.061+/-0.161 χ^2/NDF: 817466.2/79

asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -124.103+/-236.668 χ^2/NDF:28.8/22

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 18.543+/-234.021 χ^2/NDF:12.5/21

Left: -51.978+/-166.406 χ^2/NDF: 41.5/44

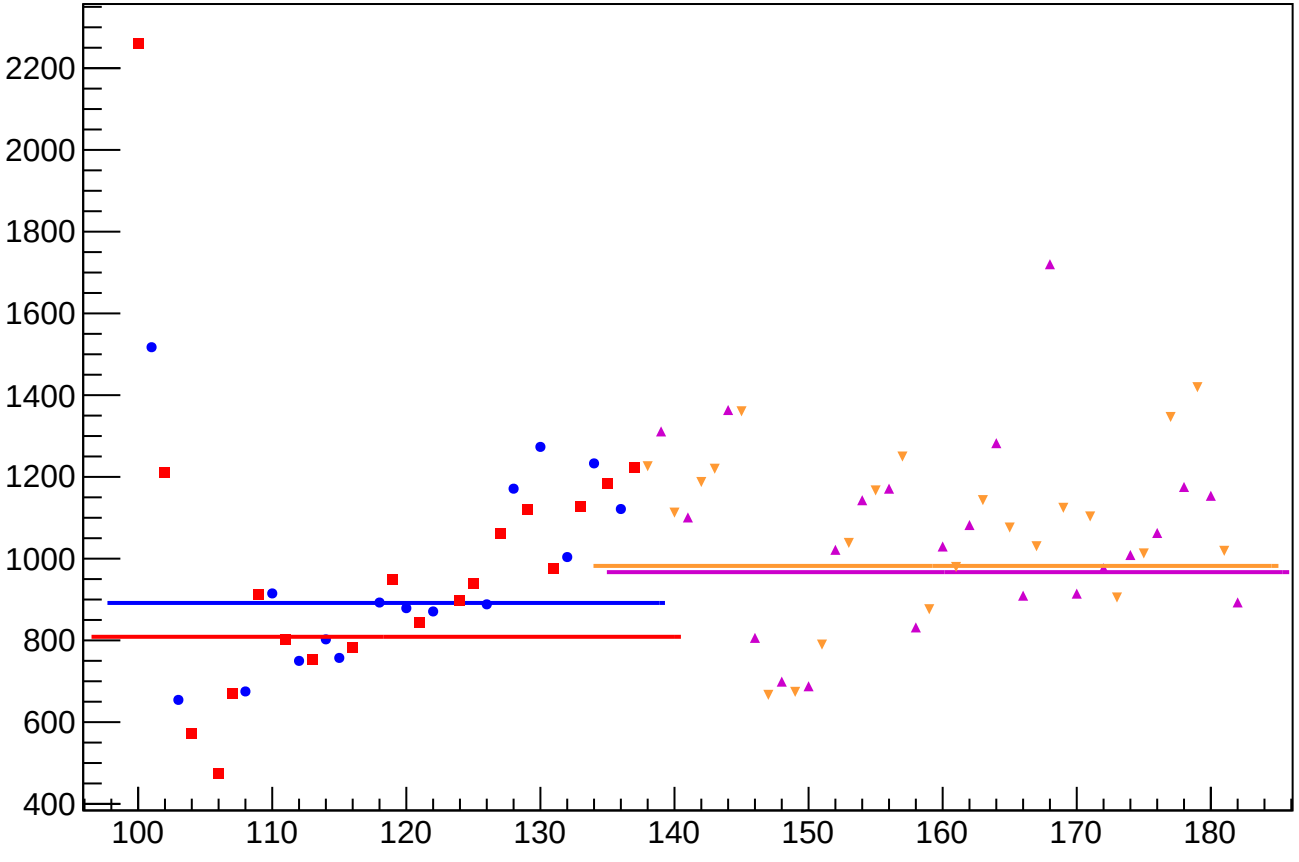
Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -81.338+/-193.391 χ^2/NDF:29.0/37

Out: -190.884+/-188.772 χ^2/NDF:47.7/41

All: -137.435+/-135.086 χ^2/NDF: 77.0/79

asym_usr_atr1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 982.240+/-0.167 χ^2/NDF:1625357.3/22

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 966.999+/-0.165 χ^2/NDF:1602143.6/21

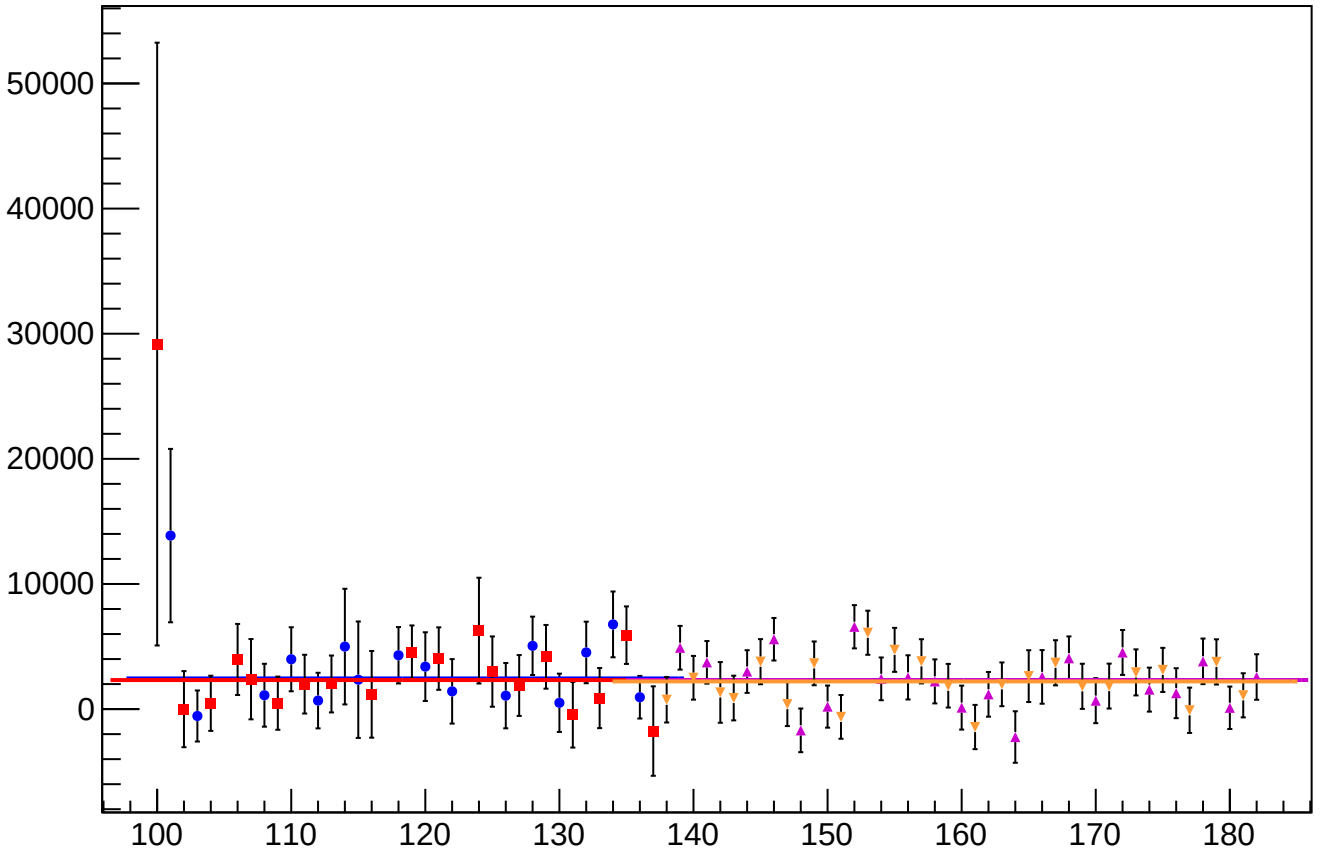
Left: 974.534+/-0.118 χ^2/NDF: 3231695.1/44

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 943.101+/-0.137 χ^2/NDF:2461813.8/37

Out: 919.147+/-0.133 χ^2/NDF:3099913.3/41

All: 930.835+/-0.096 χ^2/NDF: 5577439.4/79



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2213.103+/-376.589 χ^2/NDF:22.6/22

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2324.080+/-379.883 χ^2/NDF:32.8/21

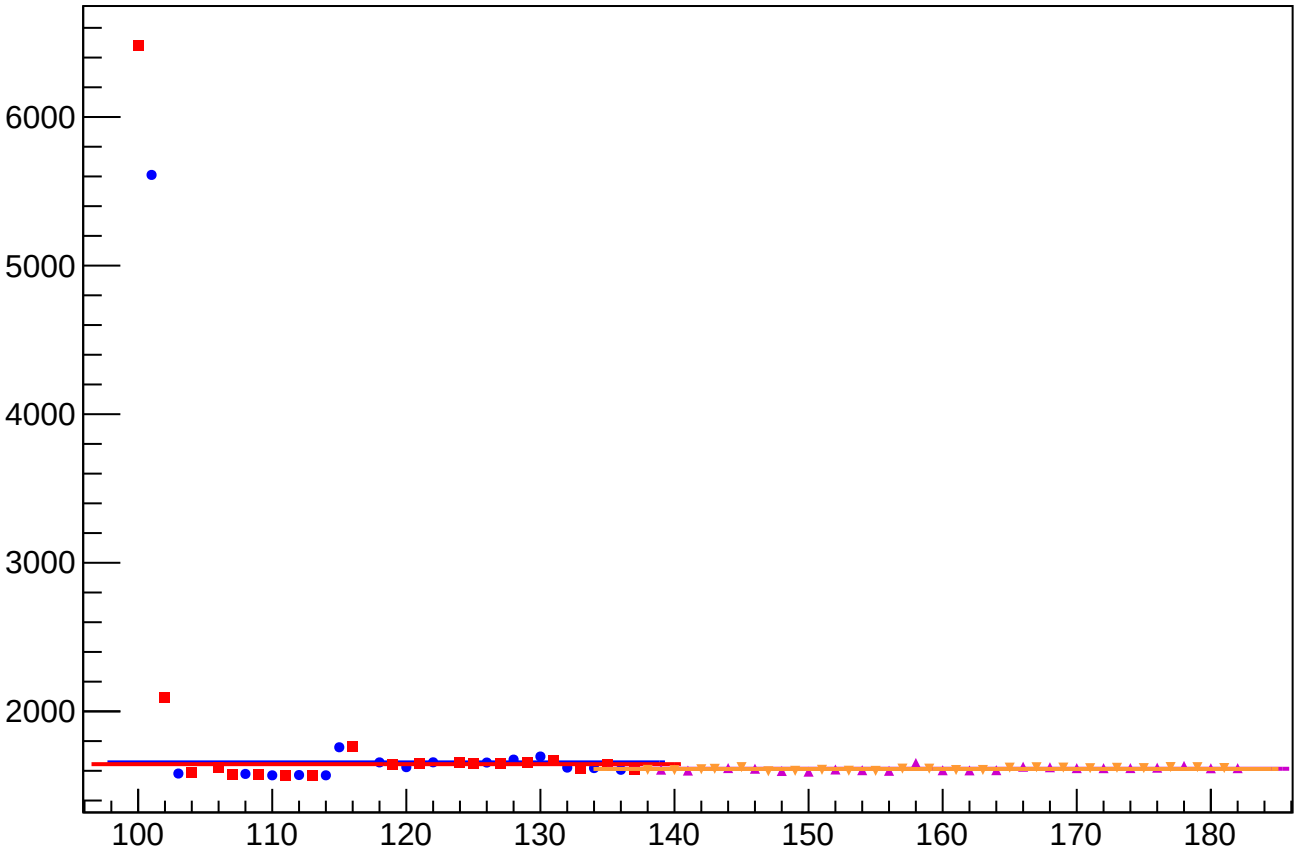
Left: 2268.108+/-267.446 χ^2/NDF: 55.4/44

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2357.477+/-325.350 χ^2/NDF:46.7/37

Out: 2242.785+/-320.392 χ^2/NDF:34.7/41

All: 2299.251+/-228.284 χ^2/NDF: 81.4/79



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.421+/-0.266 χ^2/NDF:1162.9/22

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1613.750+/-0.269 χ^2/NDF:2353.1/21

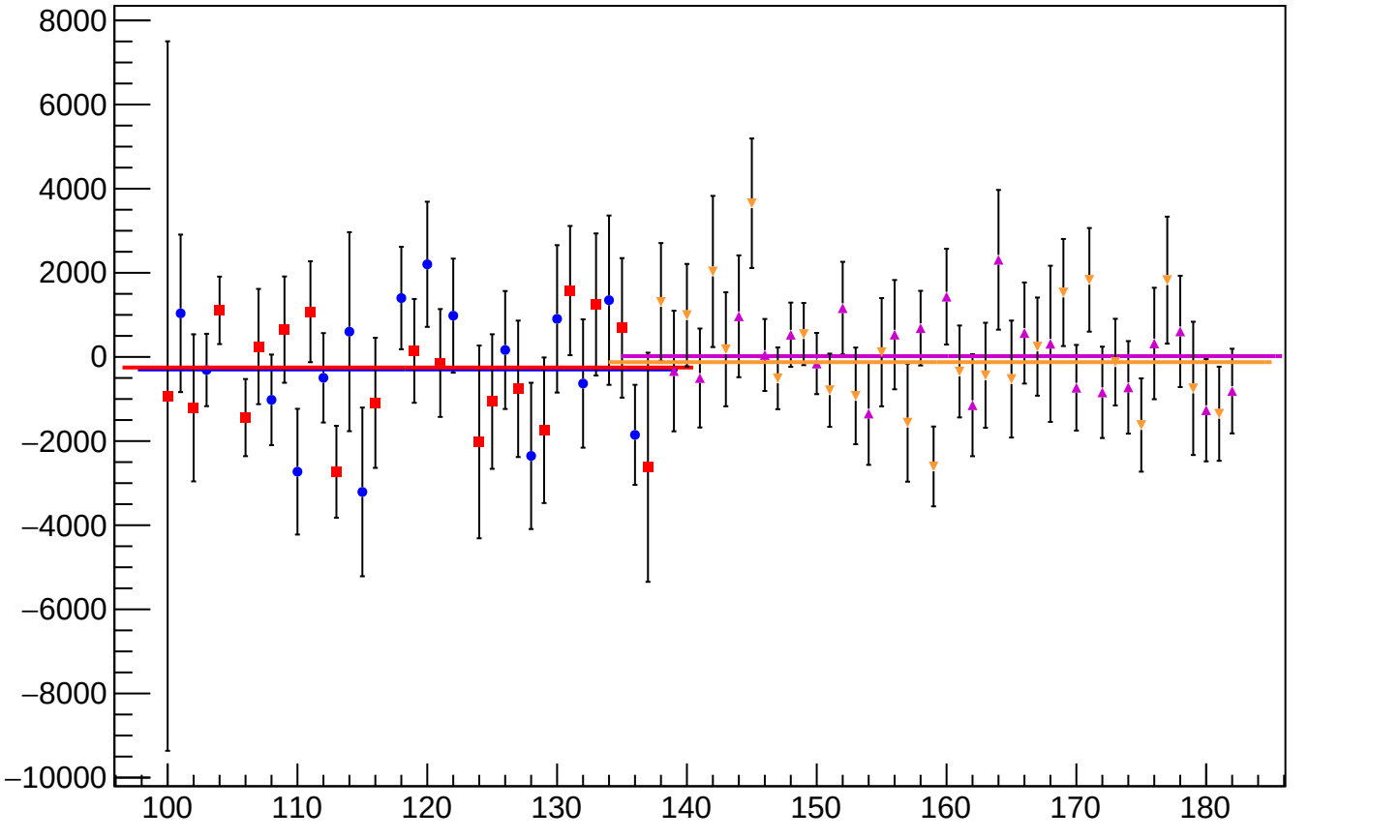
Left: 1613.080+/-0.189 χ^2/NDF: 3528.3/44

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.192+/-0.230 χ^2/NDF:675386.6/37

Out: 1621.345+/-0.227 χ^2/NDF:141712.2/41

All: 1623.239+/-0.161 χ^2/NDF: 817240.8/79



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -124.157+/-236.666 χ^2/NDF:28.8/22

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 18.565+/-234.022 χ^2/NDF:12.5/21

Left: -51.994+/-166.405 χ^2/NDF: 41.5/44

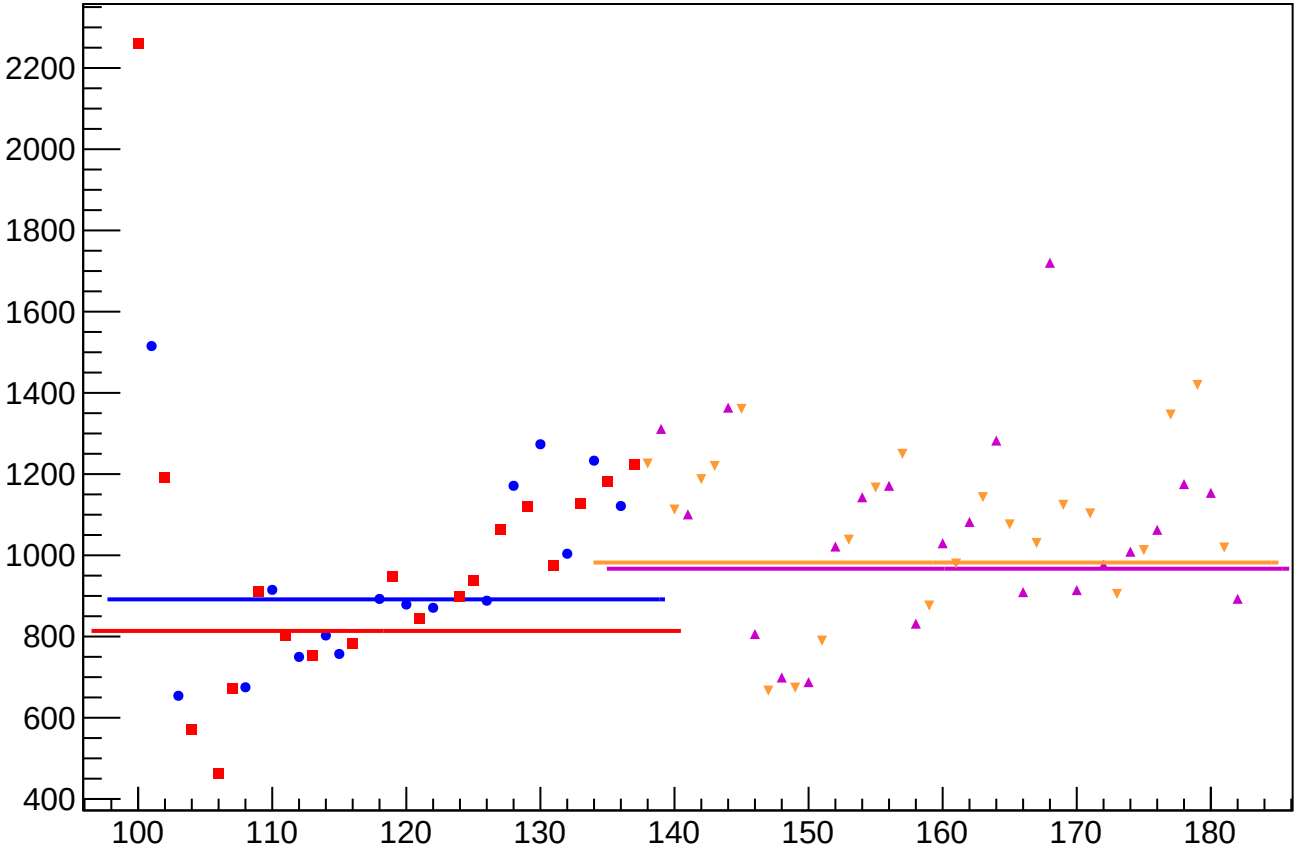
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -81.768+/-193.383 χ^2/NDF:29.0/37

Out: -169.867+/-189.375 χ^2/NDF:46.2/41

All: -126.740+/-135.303 χ^2/NDF: 75.3/79

asym_usr_atr1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 982.231+/-0.167 χ^2/NDF:1625474.5/22

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 967.003+/-0.165 χ^2/NDF:1602111.5/21

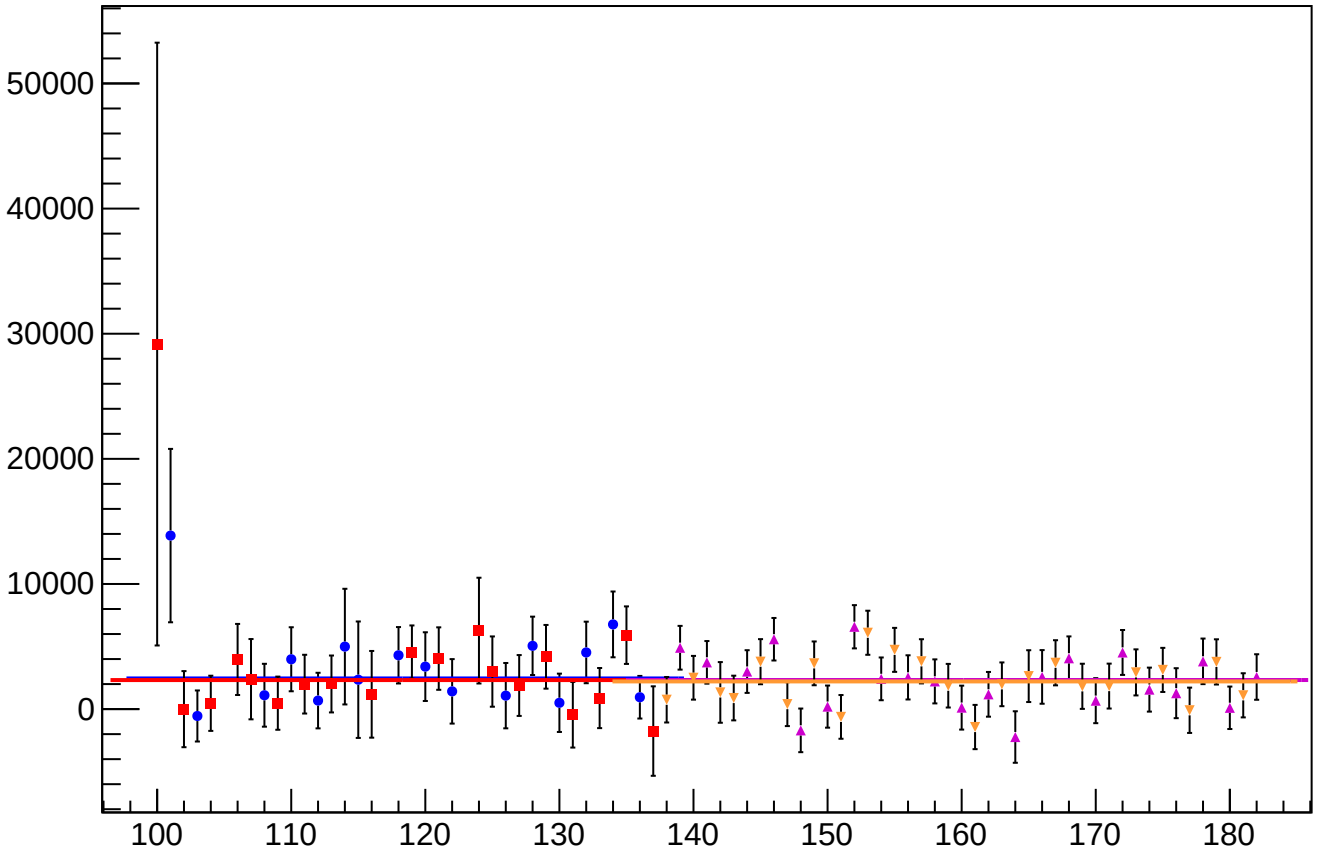
Left: 974.532+/-0.118 χ^2/NDF: 3231772.8/44

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 943.068+/-0.137 χ^2/NDF:2461735.9/37

Out: 921.646+/-0.134 χ^2/NDF:3042822.9/41

All: 932.133+/-0.096 χ^2/NDF: 5517086.1/79



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2213.103+/-376.589 χ^2/NDF:22.6/22

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2324.080+/-379.883 χ^2/NDF:32.8/21

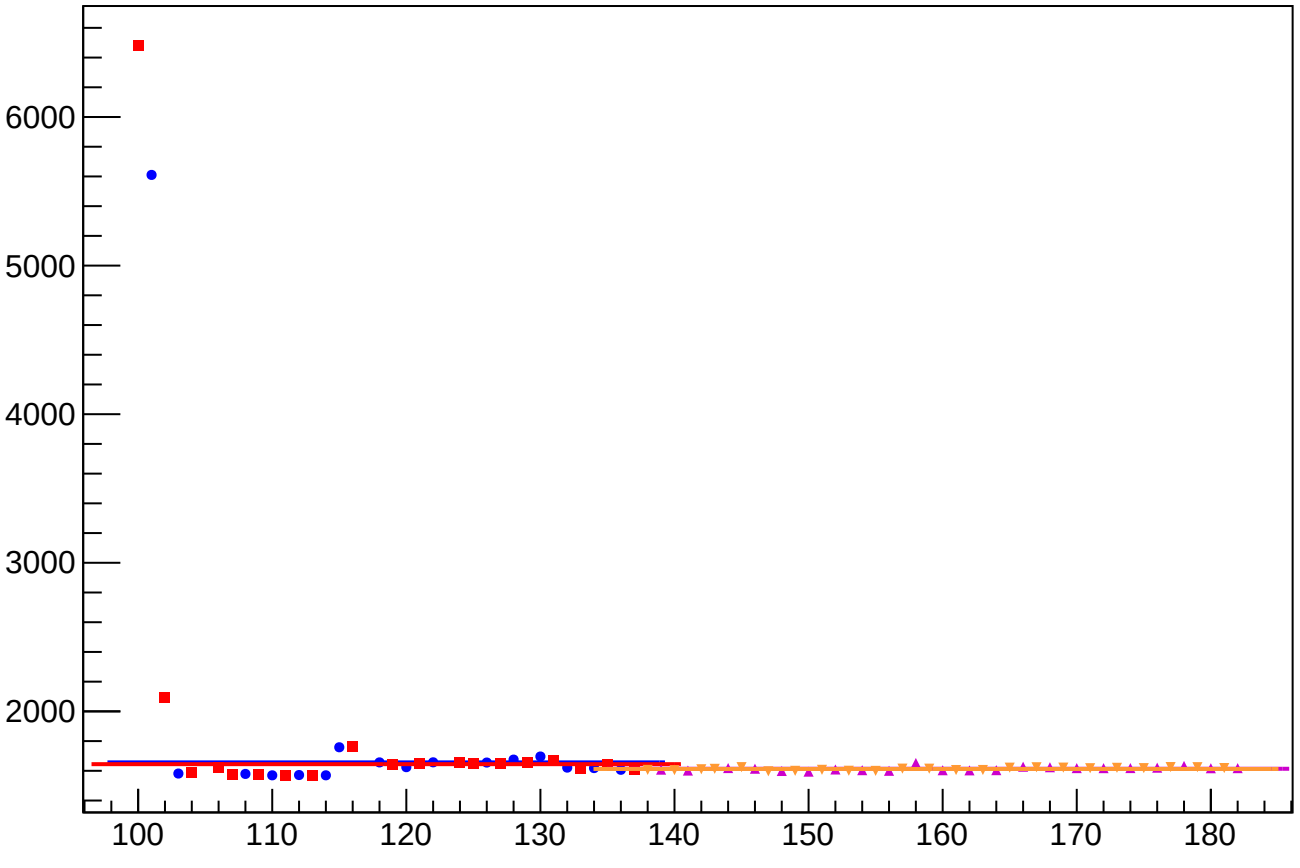
Left: 2268.108+/-267.446 χ^2/NDF: 55.4/44

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2357.477+/-325.350 χ^2/NDF:46.7/37

Out: 2242.785+/-320.392 χ^2/NDF:34.7/41

All: 2299.251+/-228.284 χ^2/NDF: 81.4/79



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.421+/-0.266 χ^2/NDF:1162.9/22

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1613.750+/-0.269 χ^2/NDF:2353.1/21

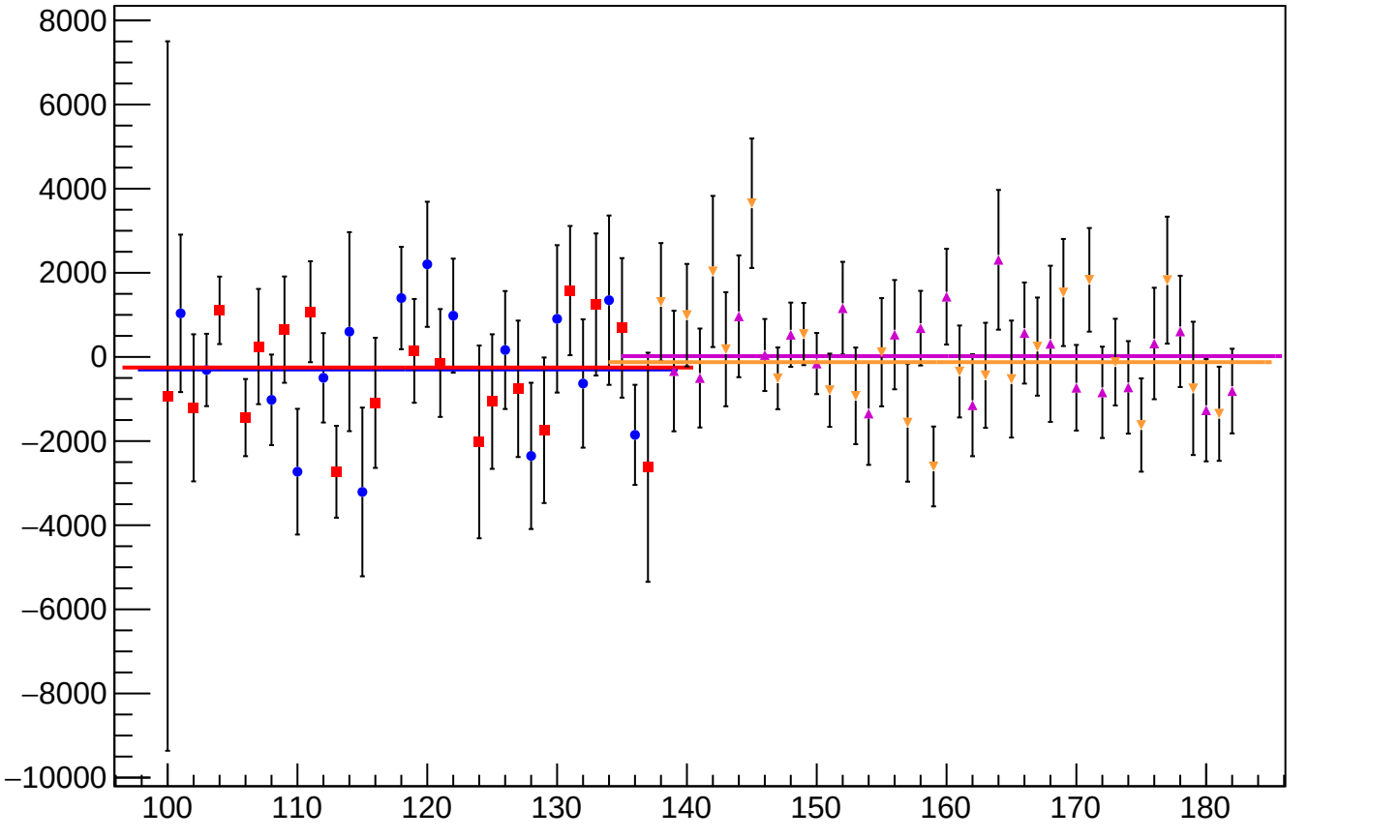
Left: 1613.080+/-0.189 χ^2/NDF: 3528.3/44

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.192+/-0.230 χ^2/NDF:675386.6/37

Out: 1621.345+/-0.227 χ^2/NDF:141712.2/41

All: 1623.239+/-0.161 χ^2/NDF: 817240.8/79



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -124.157+/-236.666 χ^2/NDF:28.8/22

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 18.565+/-234.022 χ^2/NDF:12.5/21

Left: -51.994+/-166.405 χ^2/NDF: 41.5/44

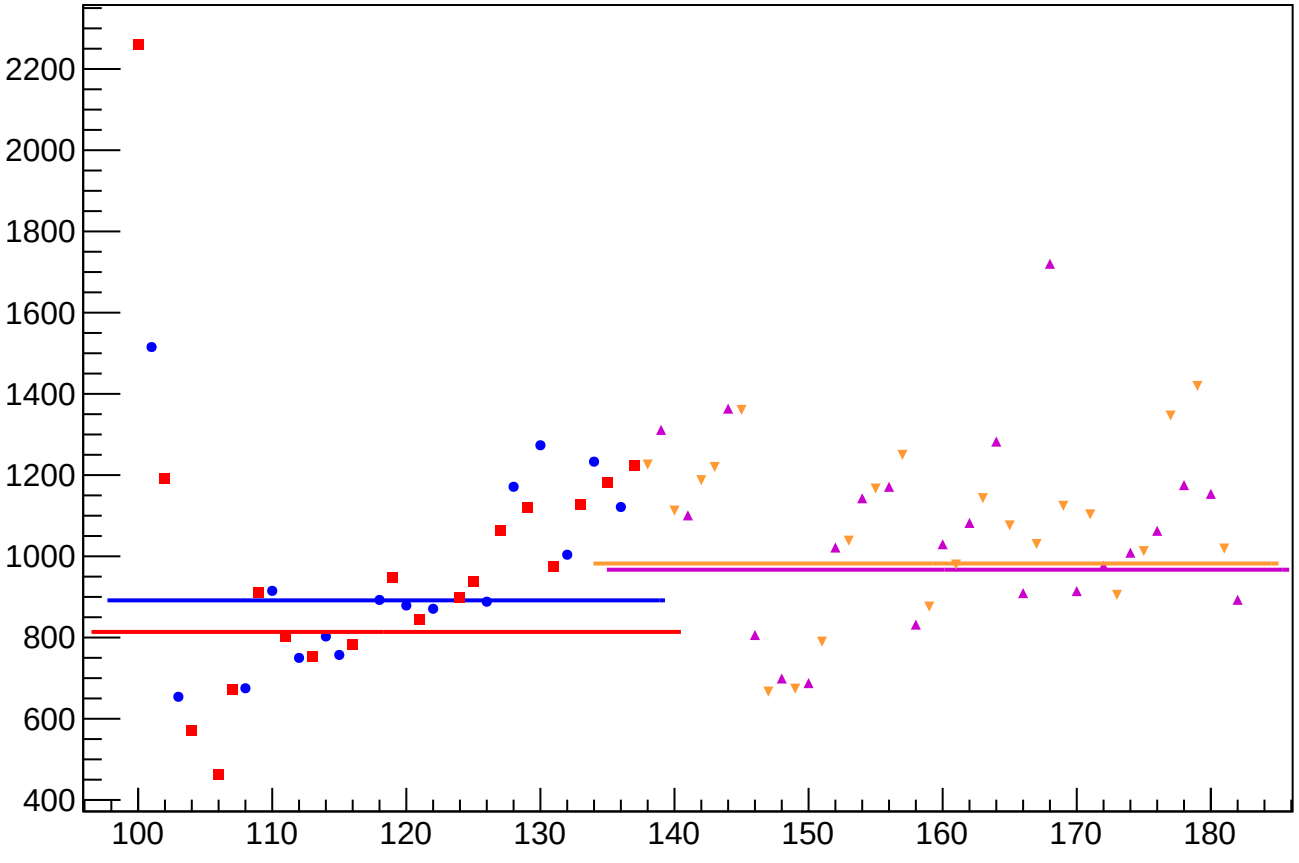
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -81.768+/-193.383 χ^2/NDF:29.0/37

Out: -169.867+/-189.375 χ^2/NDF:46.2/41

All: -126.740+/-135.303 χ^2/NDF: 75.3/79

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: 982.231+/-0.167 χ^2/NDF:1625474.5/22

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 967.003+/-0.165 χ^2/NDF:1602111.5/21

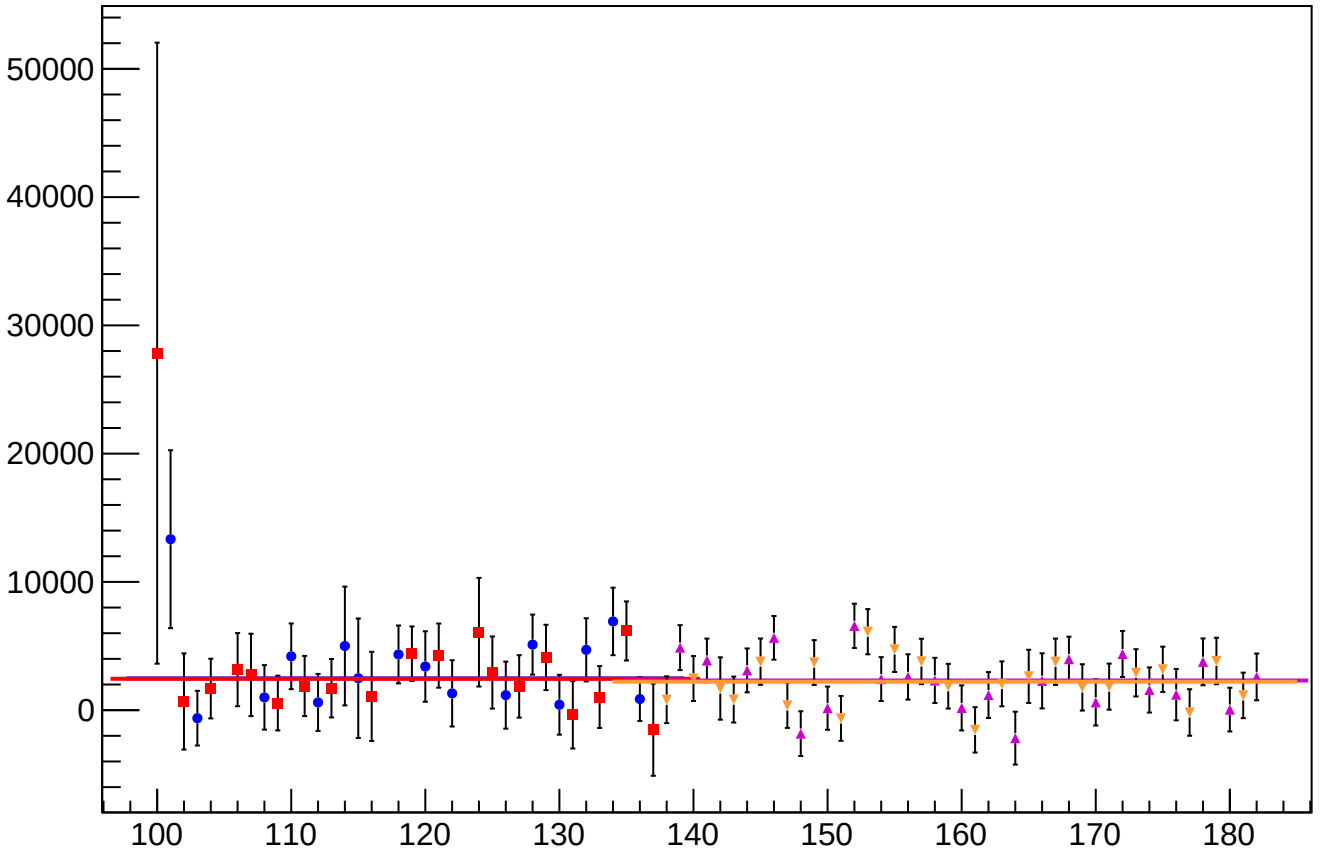
Left: 974.532+/-0.118 χ^2/NDF: 3231772.8/44

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 943.068+/-0.137 χ^2/NDF:2461735.9/37

Out: 921.646+/-0.134 χ^2/NDF:3042822.9/41

All: 932.133+/-0.096 χ^2/NDF: 5517086.1/79



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2222.256+/-377.284 χ^2/NDF:23.0/22

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2312.919+/-380.490 χ^2/NDF:33.1/21

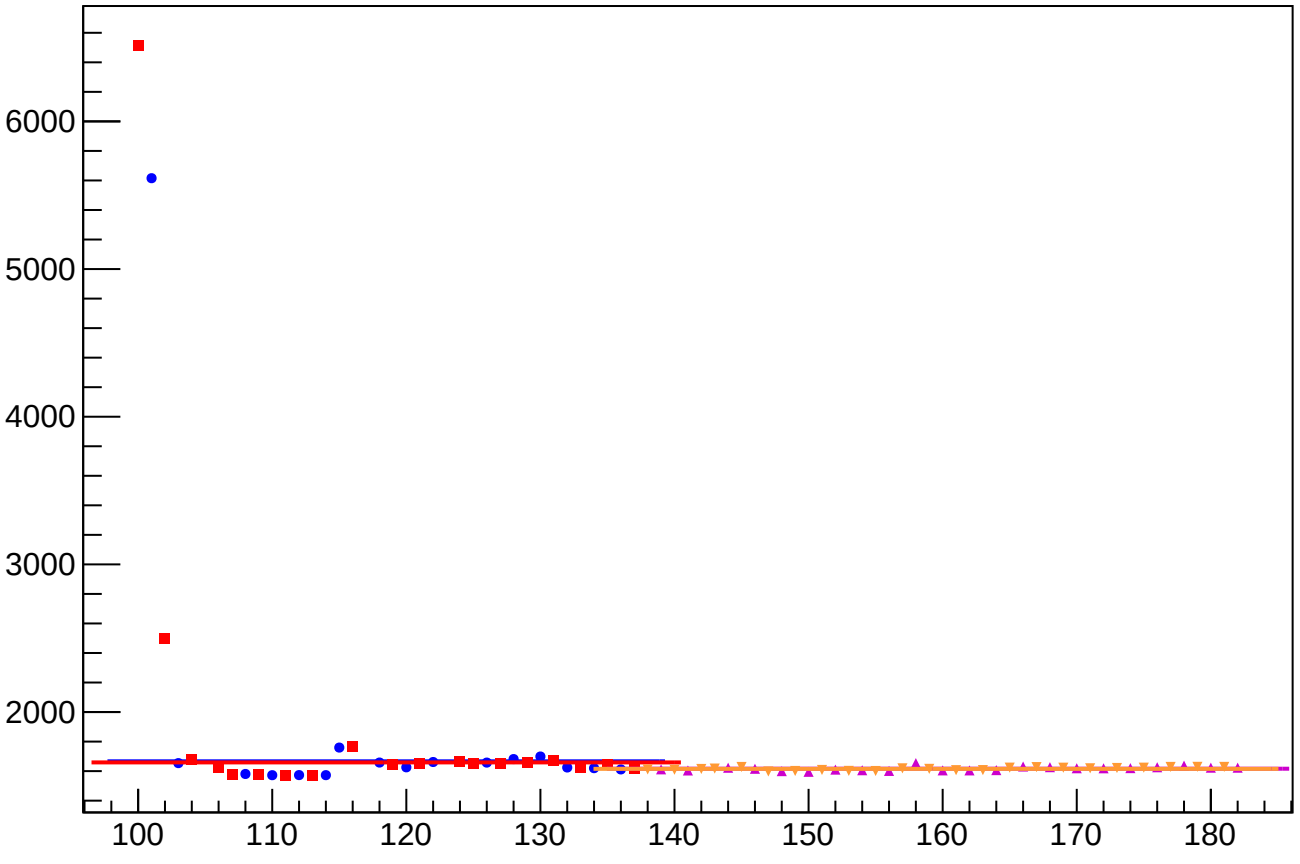
Left: 2267.204+/-267.907 χ^2/NDF: 56.1/44

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2355.912+/-326.229 χ^2/NDF:47.3/37

Out: 2283.902+/-321.952 χ^2/NDF:33.7/41

All: 2319.432+/-229.152 χ^2/NDF: 81.0/79



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1615.387+/-0.267 χ^2/NDF:1427.7/22

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1616.317+/-0.269 χ^2/NDF:2556.1/21

Left: 1615.848+/-0.189 χ^2/NDF: 3989.8/44

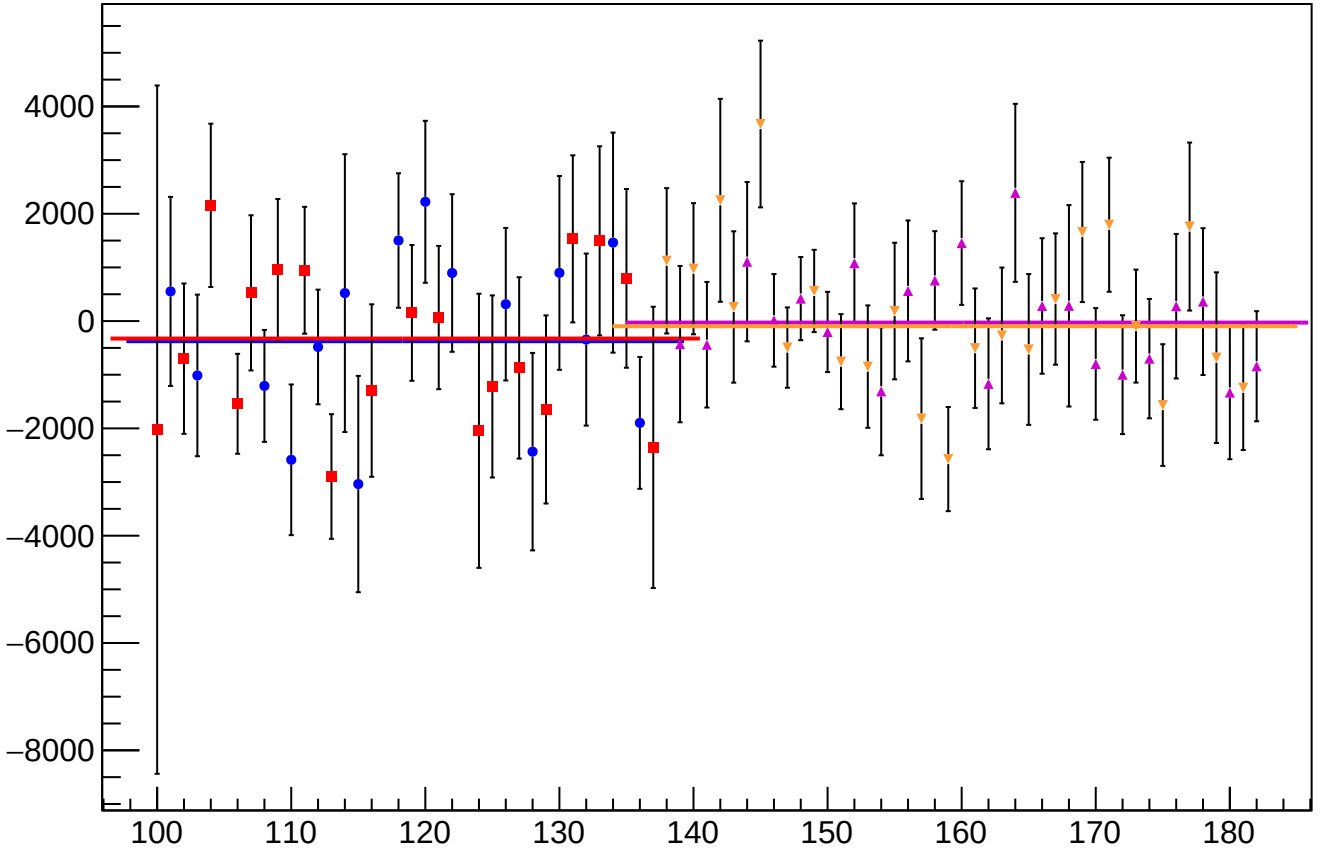
Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1629.583+/-0.231 χ^2/NDF:674649.2/37

Out: 1627.242+/-0.228 χ^2/NDF:201917.3/41

All: 1628.397+/-0.162 χ^2/NDF: 876618.6/79

asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -95.674+/-241.669 χ^2/NDF:27.7/22

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: -28.171+/-237.961 χ^2/NDF:12.5/21

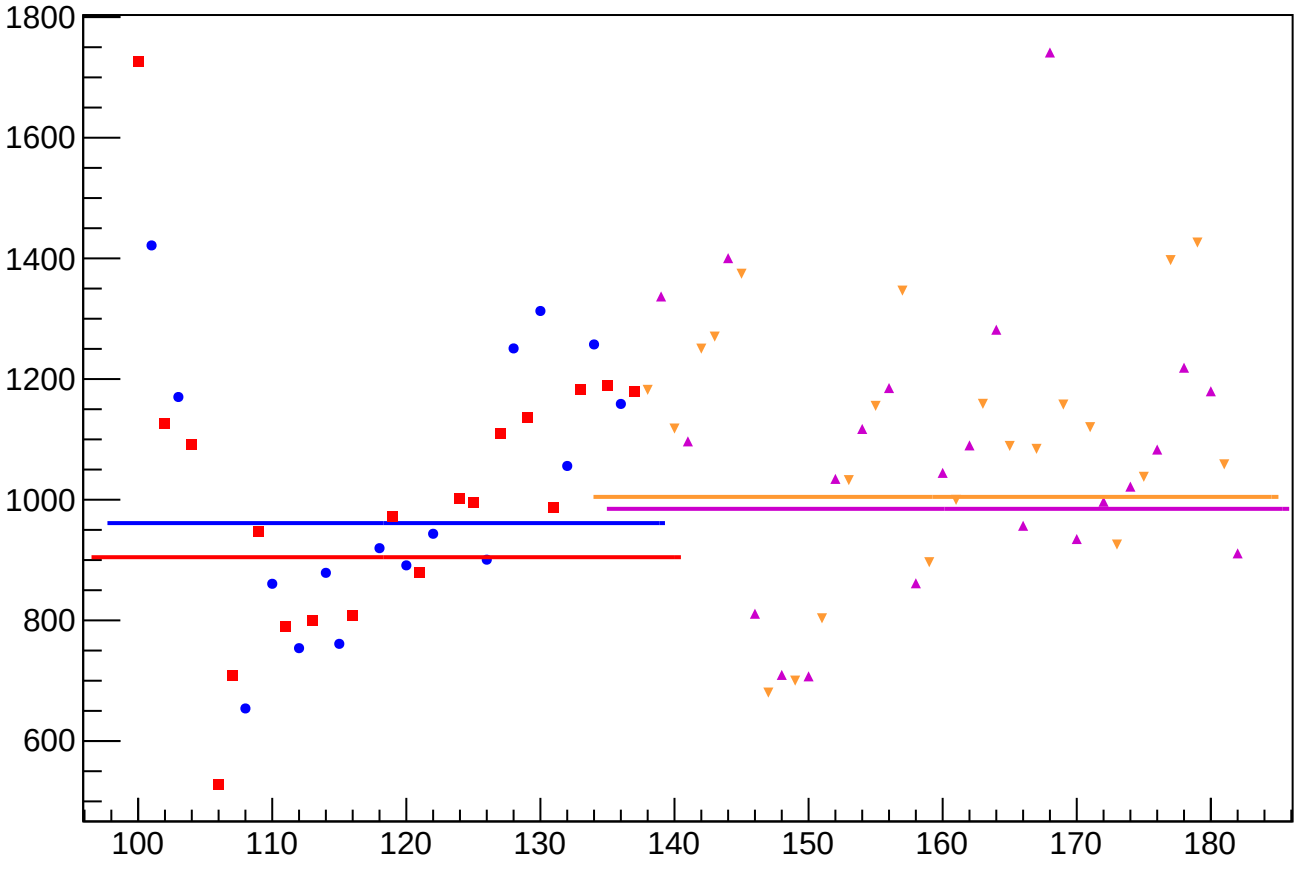
Left: -61.401+/-169.560 χ^2/NDF: 40.3/44

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -130.334+/-199.815 χ^2/NDF:28.9/37

Out: -172.685+/-197.100 χ^2/NDF:45.4/41

All: -151.800+/-140.321 χ^2/NDF: 74.3/79



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1004.691+/-0.171 χ^2/NDF:1596140.3/22

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 984.880+/-0.168 χ^2/NDF:1558265.3/21

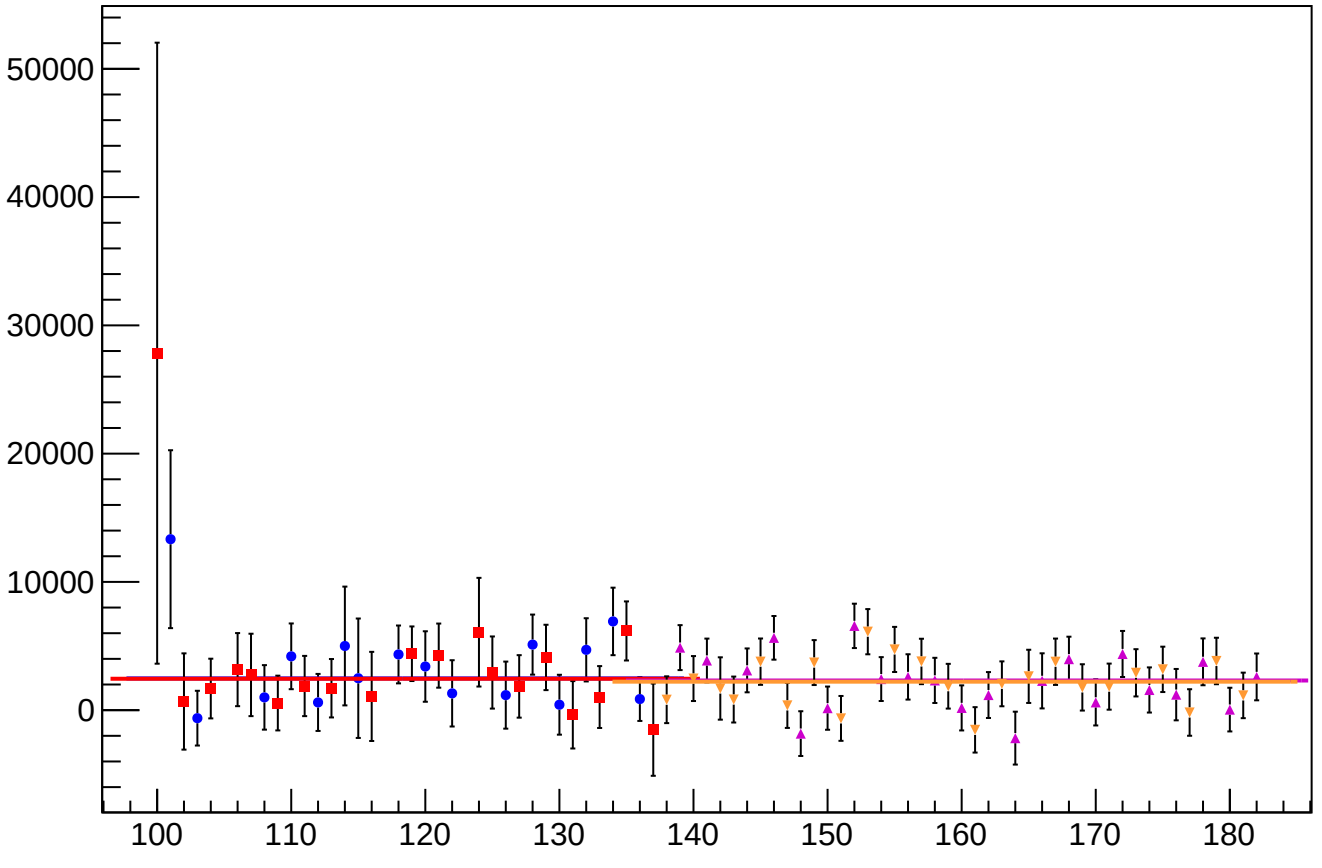
Left: 994.632+/-0.120 χ^2/NDF: 3161229.0/44

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 977.909+/-0.141 χ^2/NDF:2255960.8/37

Out: 971.222+/-0.139 χ^2/NDF:2447182.2/41

All: 974.520+/-0.099 χ^2/NDF: 4704278.2/79



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2222.256+/-377.284 χ^2/NDF:23.0/22

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2312.919+/-380.490 χ^2/NDF:33.1/21

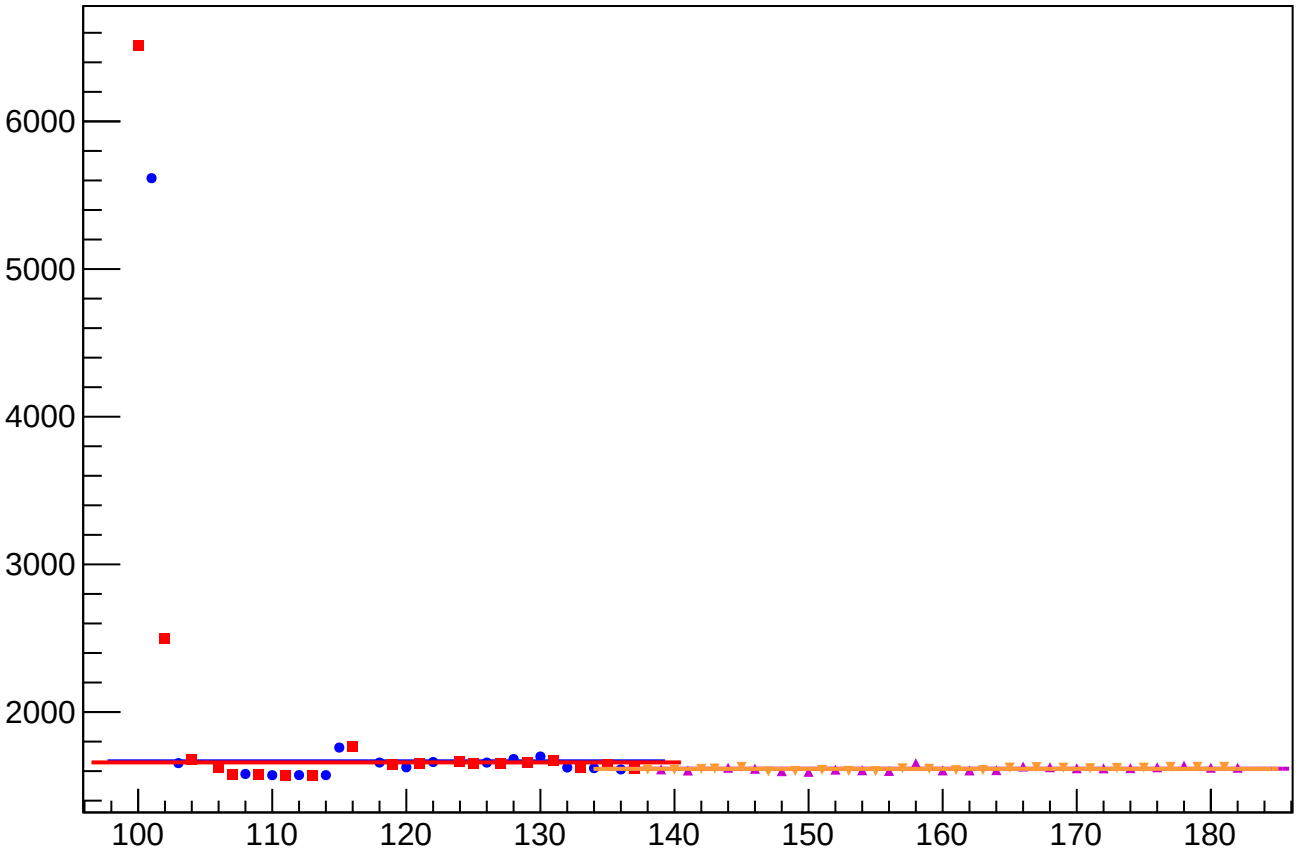
Left: 2267.204+/-267.907 χ^2/NDF: 56.1/44

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2355.912+/-326.229 χ^2/NDF:47.3/37

Out: 2283.901+/-321.952 χ^2/NDF:33.7/41

All: 2319.431+/-229.152 χ^2/NDF: 81.0/79



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1615.387+/-0.267 χ^2/NDF:1427.7/22

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1616.317+/-0.269 χ^2/NDF:2556.1/21

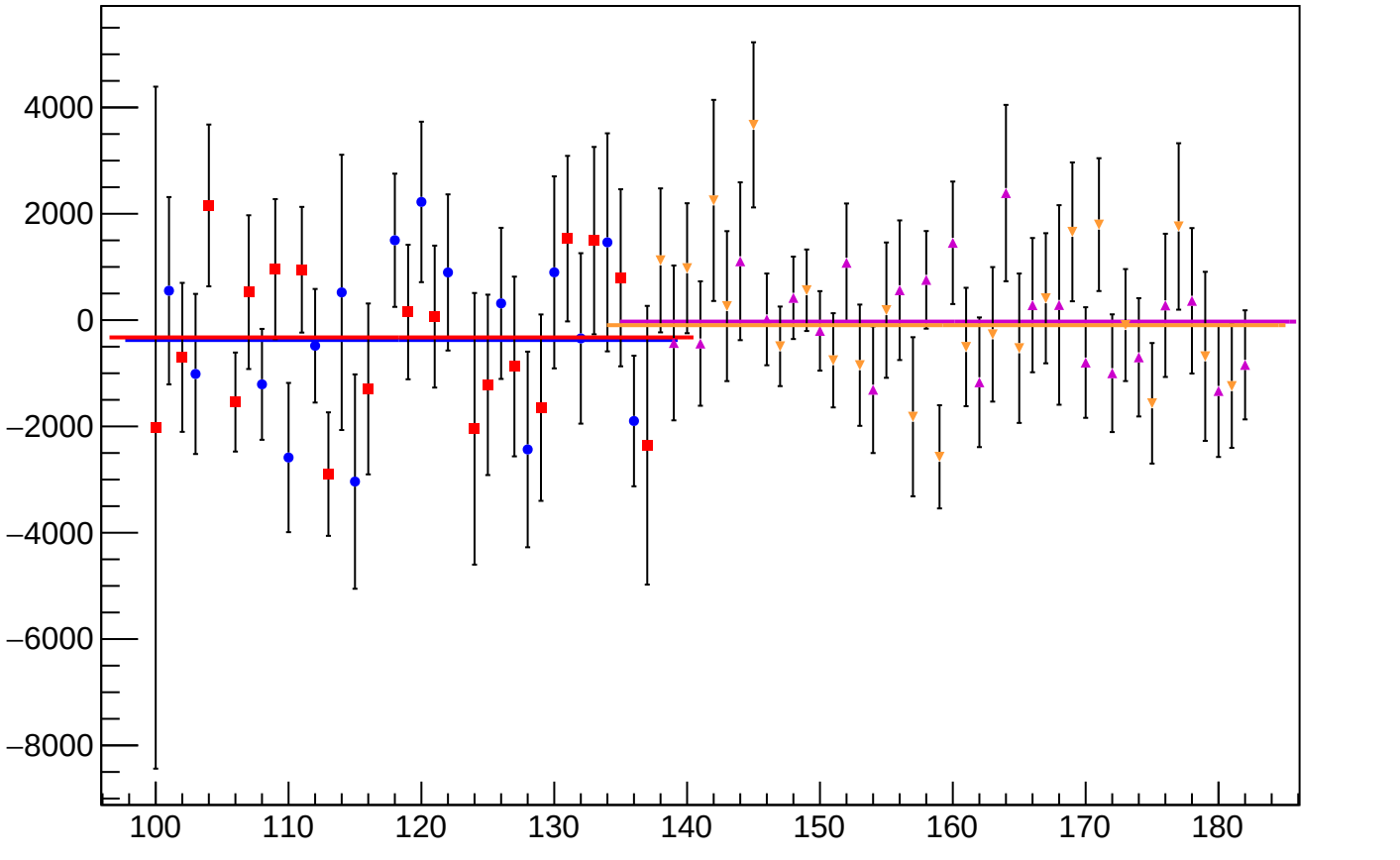
Left: 1615.848+/-0.189 χ^2/NDF: 3989.8/44

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1629.583+/-0.231 χ^2/NDF:674649.1/37

Out: 1627.242+/-0.228 χ^2/NDF:201917.1/41

All: 1628.397+/-0.162 χ^2/NDF: 876618.3/79



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -95.676+/-241.670 χ^2/NDF:27.7/22

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -28.170+/-237.962 χ^2/NDF:12.5/21

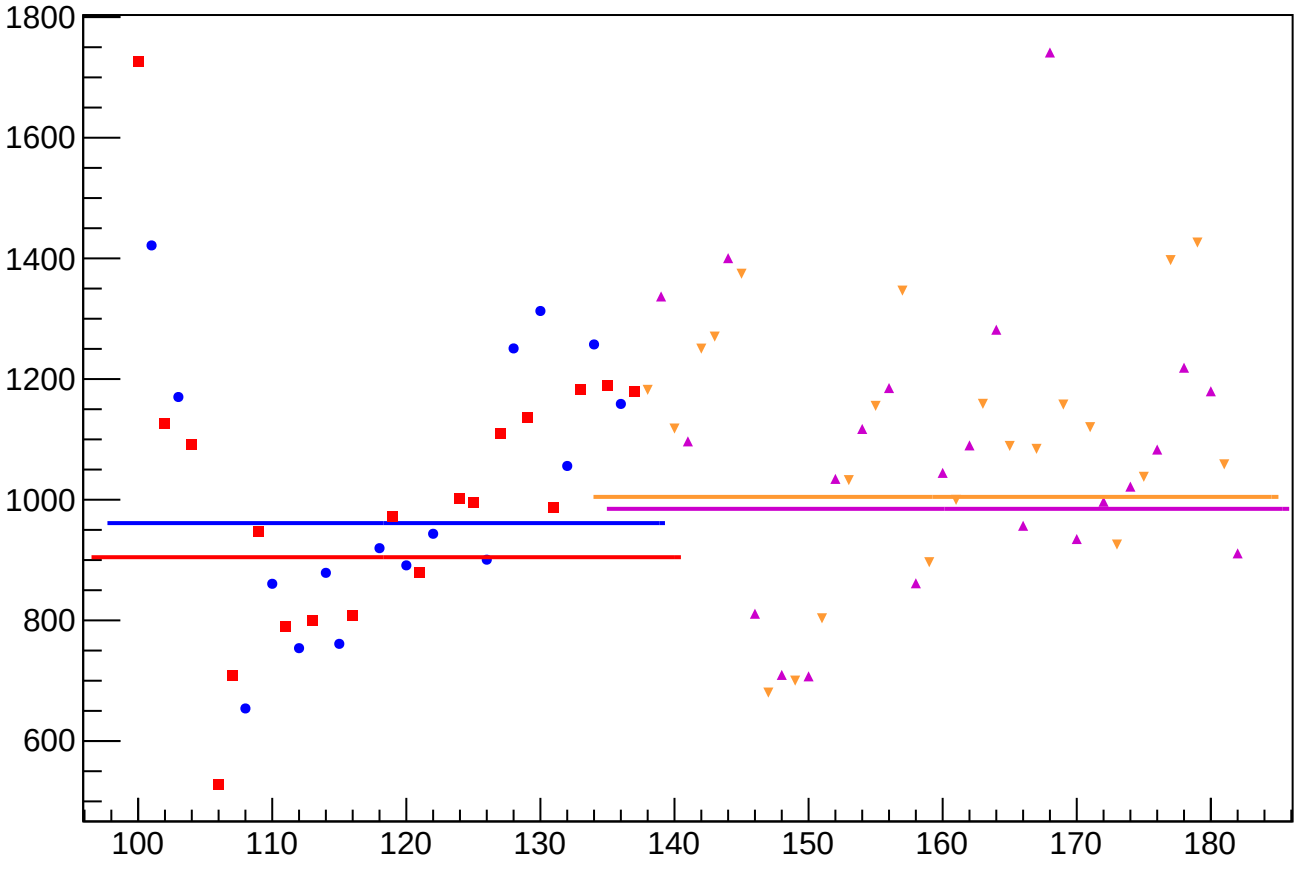
Left: -61.401+/-169.560 χ^2/NDF: 40.3/44

Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -130.334+/-199.815 χ^2/NDF:28.9/37

Out: -172.686+/-197.100 χ^2/NDF:45.4/41

All: -151.800+/-140.321 χ^2/NDF: 74.3/79



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1004.693+/-0.171 χ^2/NDF:1596142.5/22

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 984.882+/-0.168 χ^2/NDF:1558267.5/21

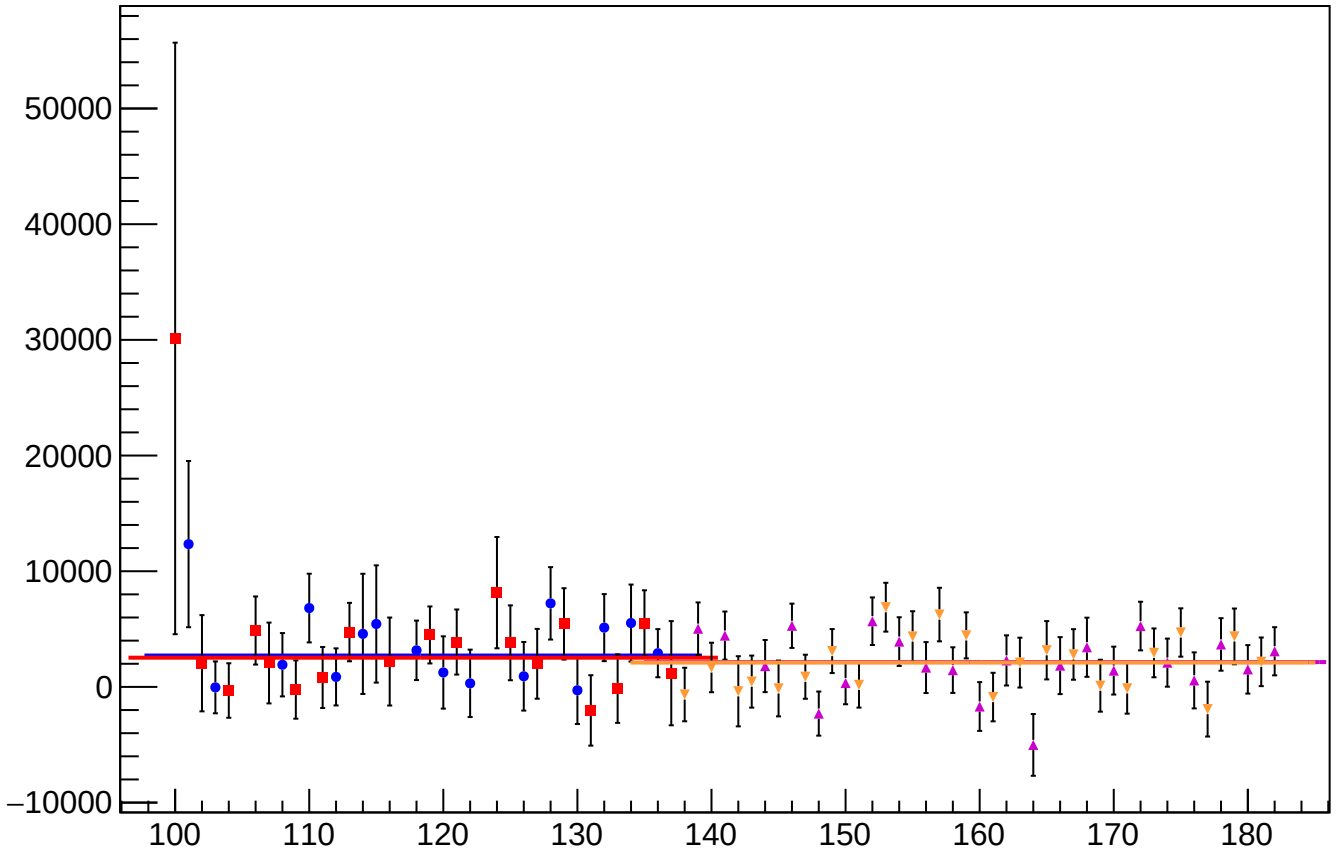
Left: 994.635+/-0.120 χ^2/NDF: 3161233.4/44

Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 977.910+/-0.141 χ^2/NDF:2255973.9/37

Out: 971.223+/-0.139 χ^2/NDF:2447192.7/41

All: 974.520+/-0.099 χ^2/NDF: 4704301.8/79



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2106.983+/-455.771 χ^2/NDF:25.6/22

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2147.468+/-456.260 χ^2/NDF:30.1/21

Left: 2127.204+/-322.451 χ^2/NDF: 55.7/44

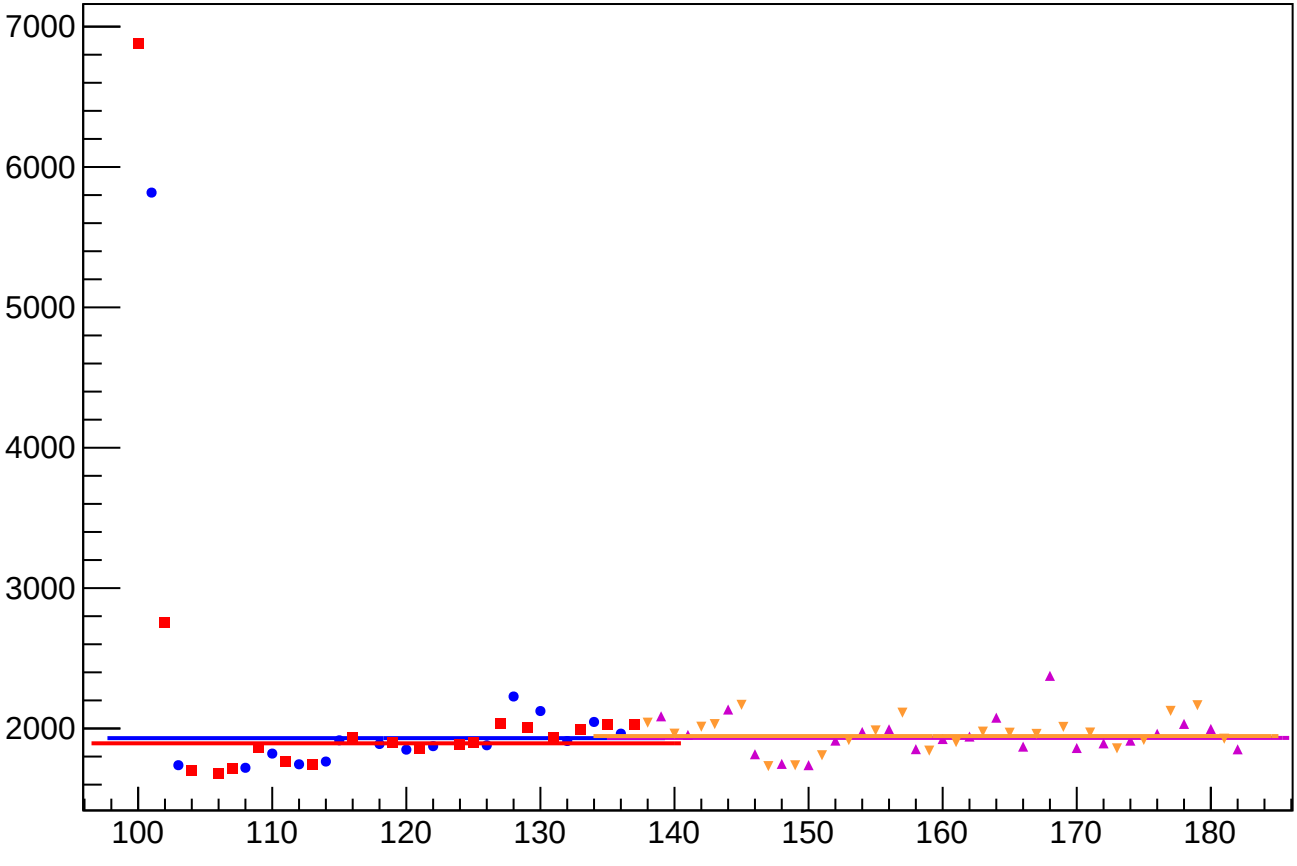
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2304.301+/-387.657 χ^2/NDF:42.6/37

Out: 2229.996+/-382.983 χ^2/NDF:39.1/41

All: 2266.698+/-272.447 χ^2/NDF: 81.7/79

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1946.019+/-0.322 χ^2/NDF:135760.3/22

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1932.835+/-0.323 χ^2/NDF:159297.0/21

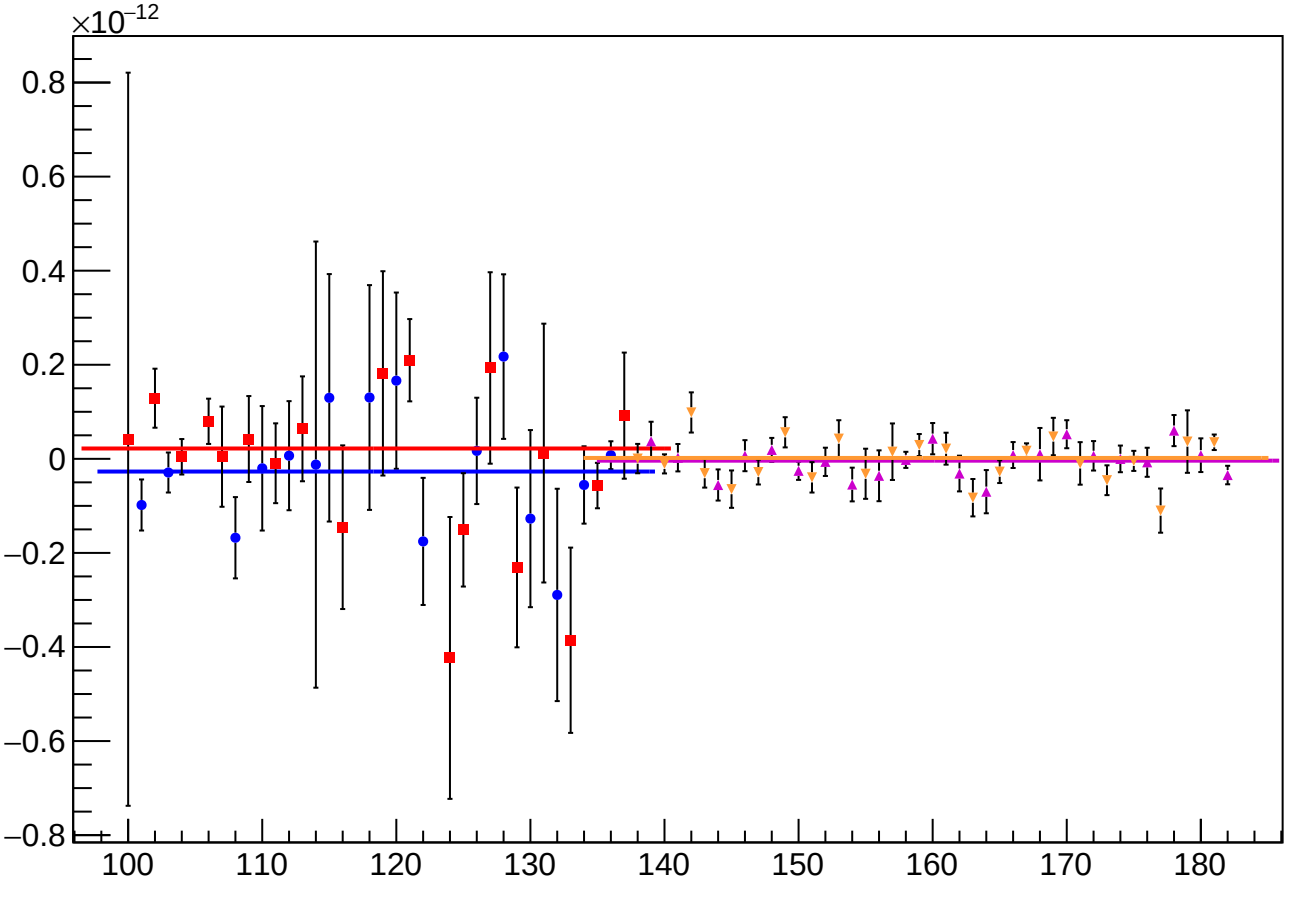
Left: 1939.434+/-0.228 χ^2/NDF: 295893.1/44

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1932.394+/-0.274 χ^2/NDF:820530.7/37

Out: 1930.833+/-0.271 χ^2/NDF:363856.1/41

All: 1931.604+/-0.193 χ^2/NDF: 1184403.2/79



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:22.8/21

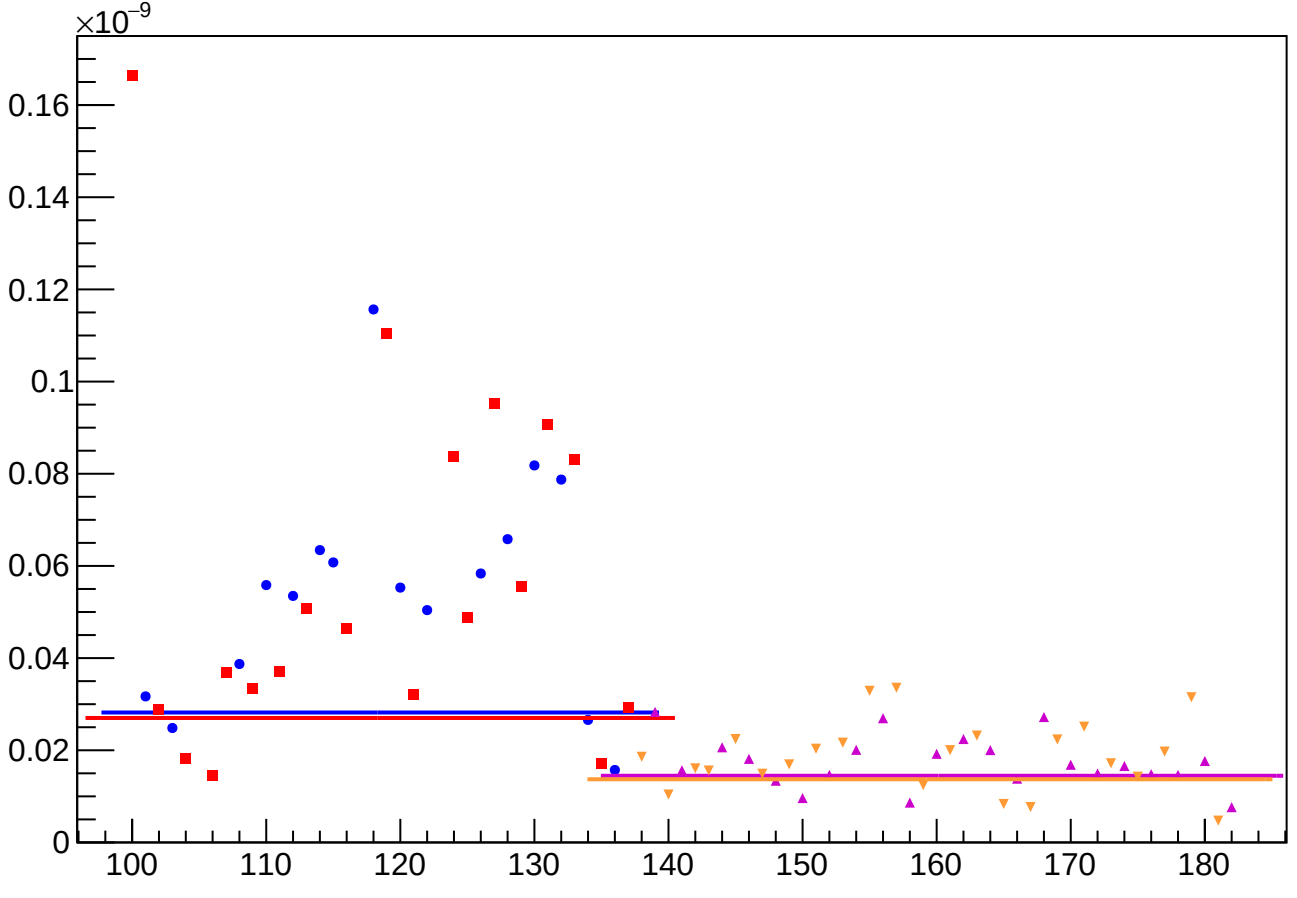
Left: -0.000+/-0.000 χ^2/NDF: 62.3/44

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:36.8/37

Out: 0.000+/-0.000 χ^2/NDF:65.5/41

All: -0.000+/-0.000 χ^2/NDF: 103.7/79



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2471518.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1380389.4/21

Left: 0.000+/-0.000 χ^2/NDF: 3867334.9/44

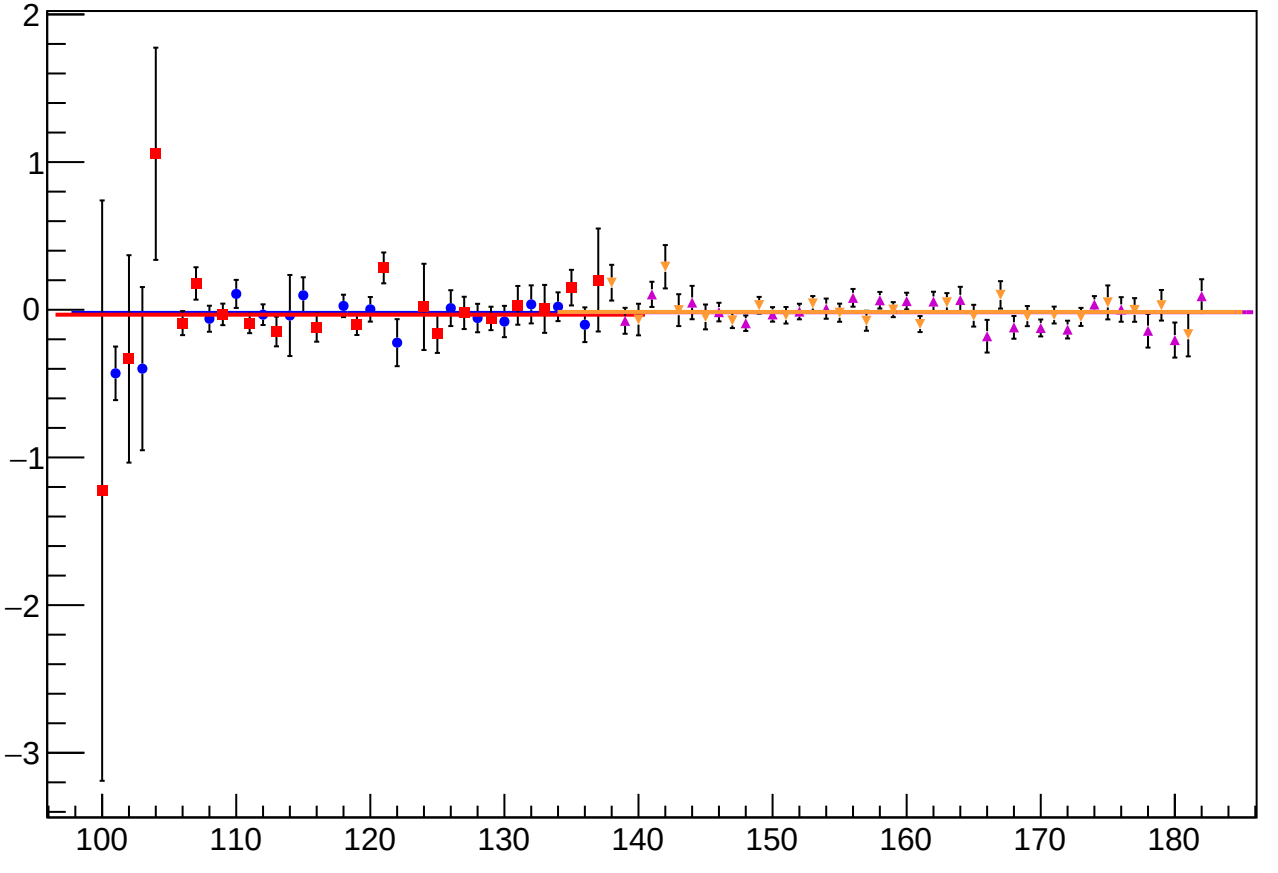
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3799728.5/37

Out: 0.000+/-0.000 χ^2/NDF:4888608.1/41

All: 0.000+/-0.000 χ^2/NDF: 8712833.9/79

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: -0.015+/-0.015 χ^2/NDF:18.8/22

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.017+/-0.015 χ^2/NDF:30.3/21

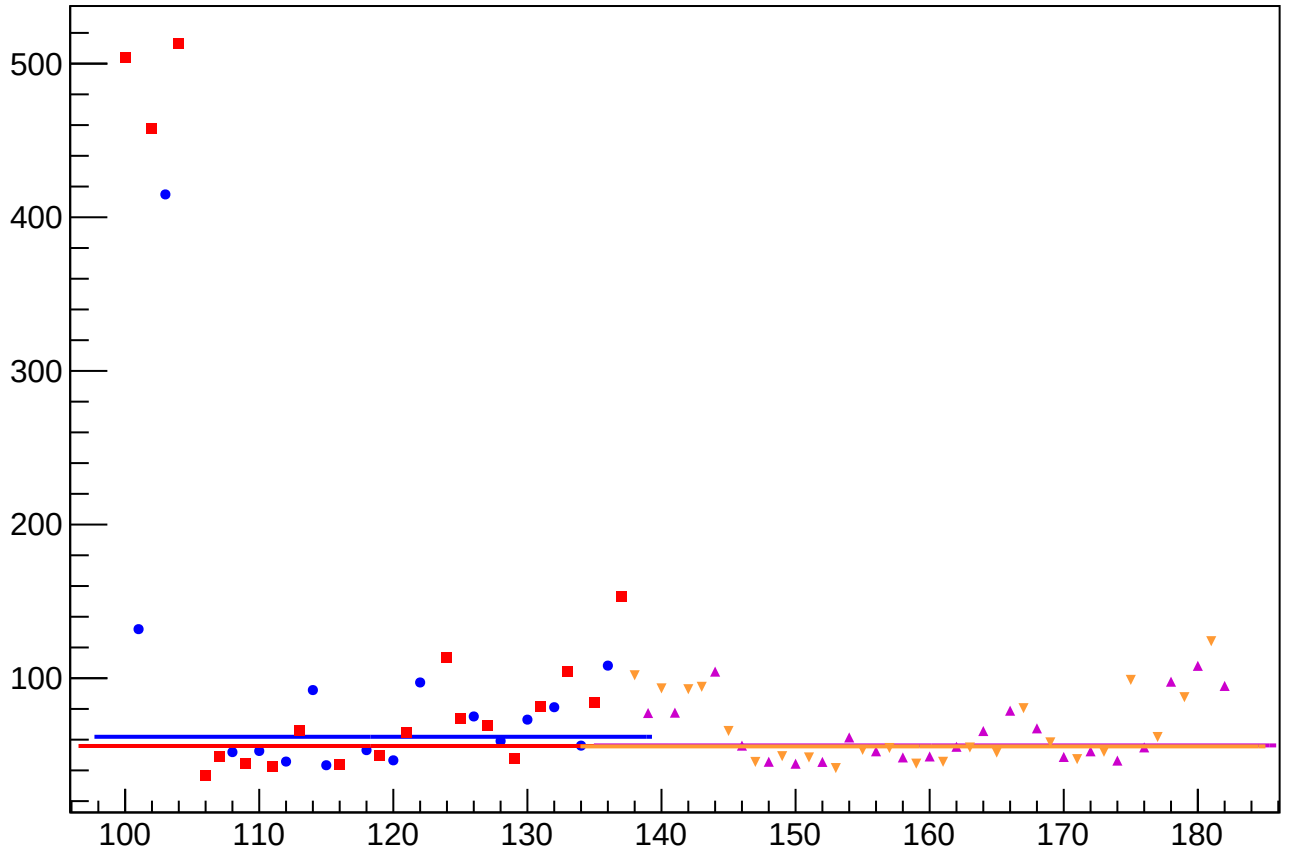
Left: -0.016+/-0.010 χ^2/NDF: 49.2/44

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.018+/-0.013 χ^2/NDF:42.4/37

Out: -0.020+/-0.012 χ^2/NDF:43.6/41

All: -0.019+/-0.009 χ^2/NDF: 86.0/79



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 55.619+/-0.010 χ^2/NDF:2522902.5/22

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 56.261+/-0.010 χ^2/NDF:2098989.5/21

Left: 55.939+/-0.007 χ^2/NDF: 4623846.7/44

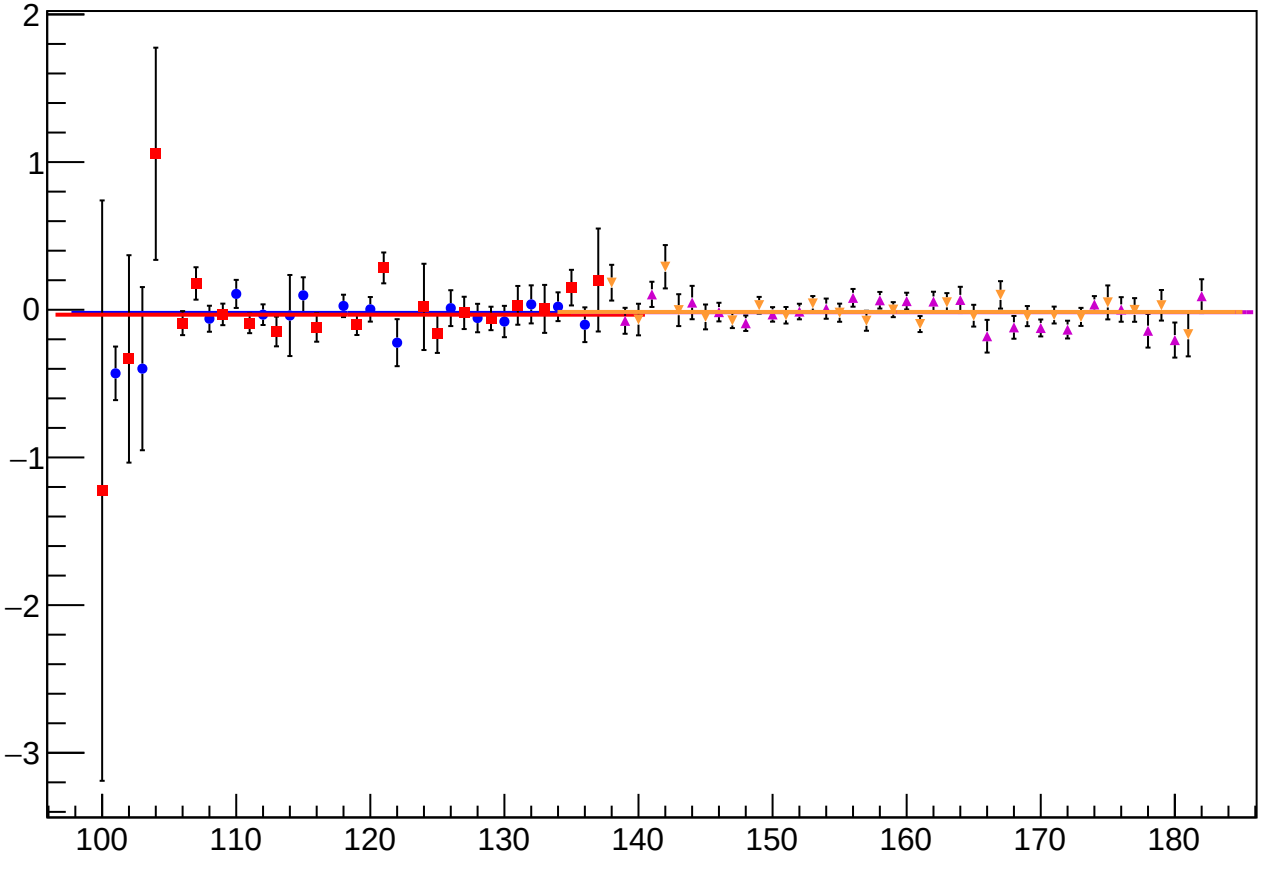
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 57.559+/-0.009 χ^2/NDF:4105689.5/37

Out: 55.688+/-0.009 χ^2/NDF:5114355.0/41

All: 56.603+/-0.006 χ^2/NDF: 9241978.7/79

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.015+/-0.015 χ^2/NDF:18.8/22

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.017+/-0.015 χ^2/NDF:30.3/21

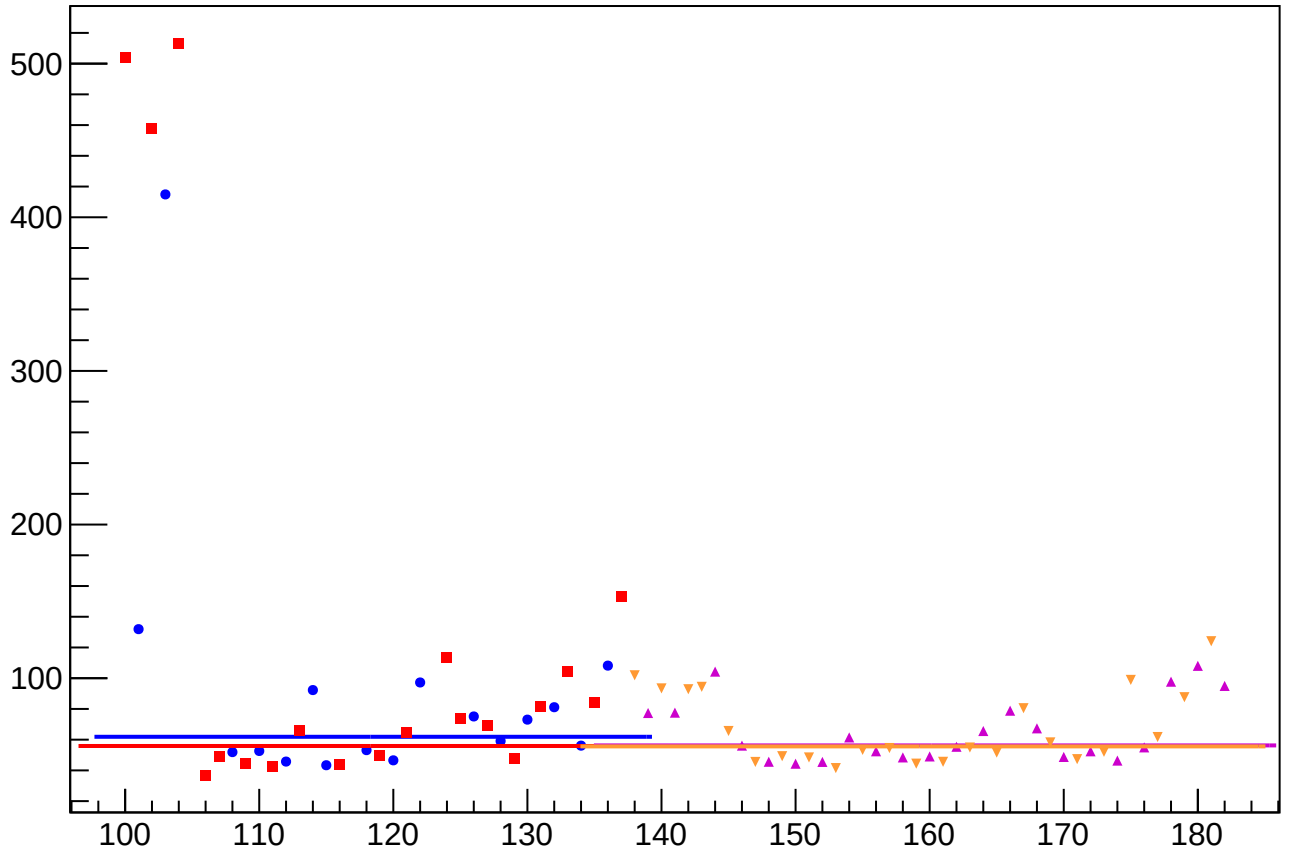
Left: -0.016+/-0.010 χ^2/NDF: 49.2/44

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.018+/-0.013 χ^2/NDF:42.4/37

Out: -0.020+/-0.012 χ^2/NDF:43.6/41

All: -0.019+/-0.009 χ^2/NDF: 86.0/79



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 55.619+/-0.010 χ^2/NDF:2522902.5/22

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 56.261+/-0.010 χ^2/NDF:2098989.5/21

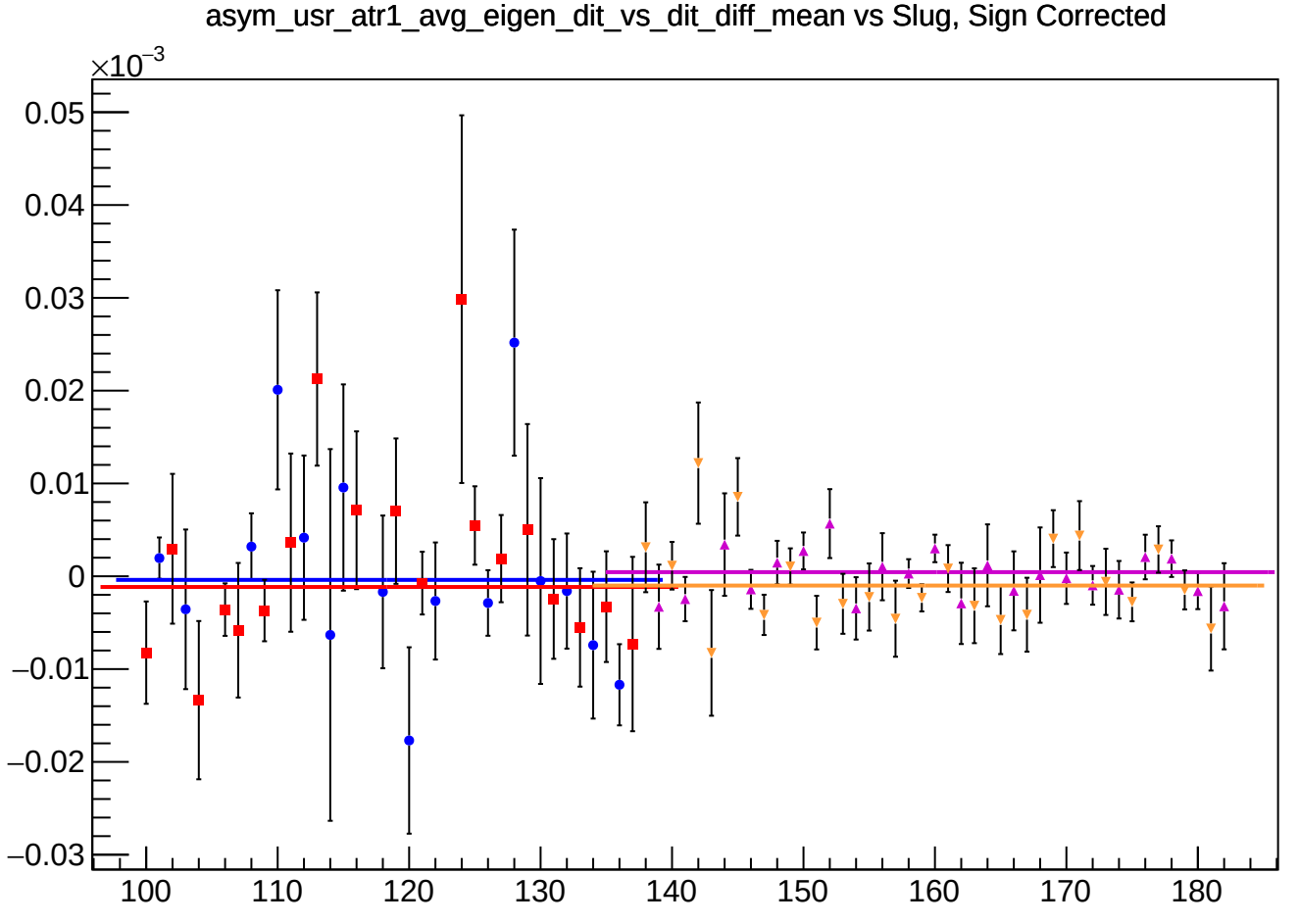
Left: 55.939+/-0.007 χ^2/NDF: 4623846.7/44

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 57.559+/-0.009 χ^2/NDF:4105689.5/37

Out: 55.688+/-0.009 χ^2/NDF:5114355.0/41

All: 56.603+/-0.006 χ^2/NDF: 9241978.7/79



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.6/22

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/21

Left: -0.000+/-0.000 χ^2/NDF: 49.4/44

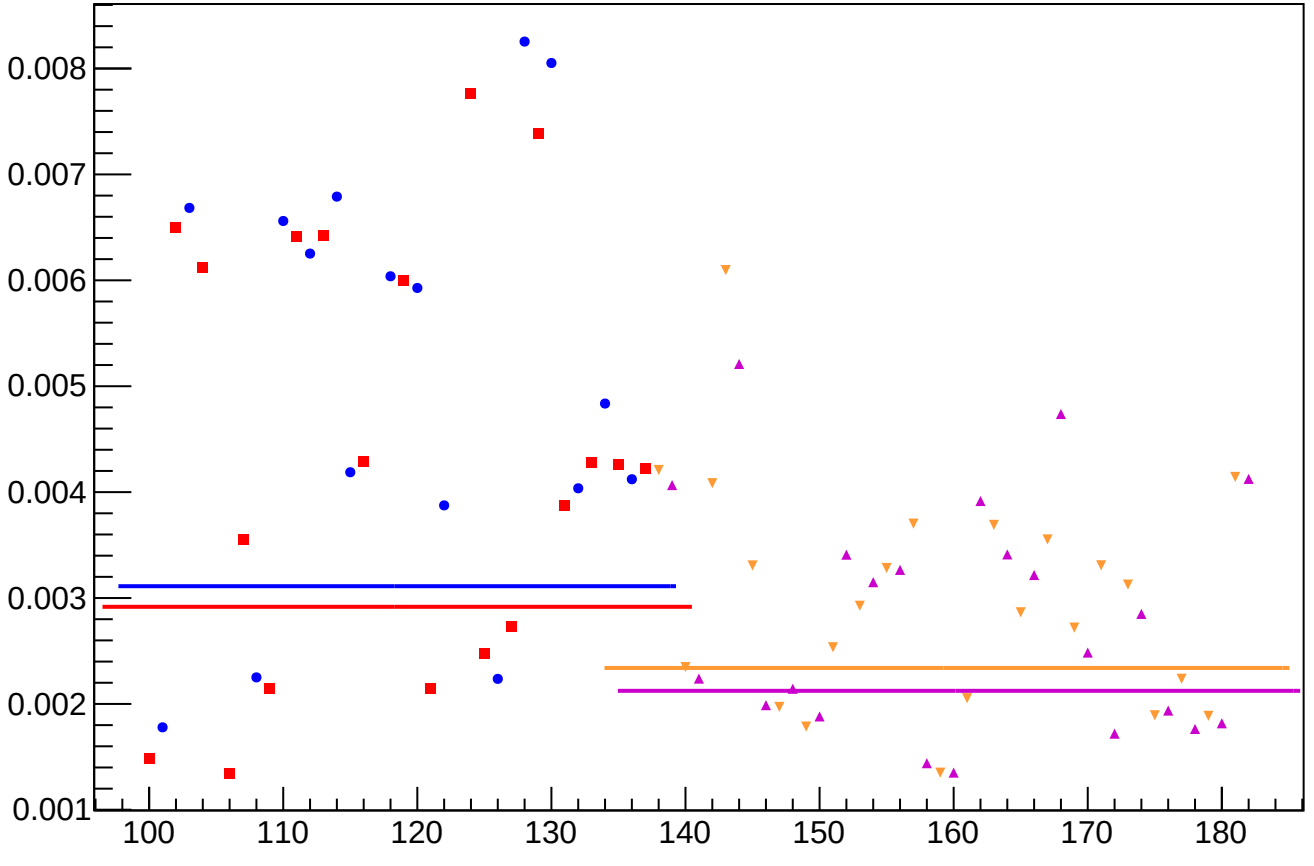
Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:38.5/37

Out: -0.000+/-0.000 χ^2/NDF:51.1/41

All: -0.000+/-0.000 χ^2/NDF: 92.9/79

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:3975005.7/22

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:4466057.9/21

Left: 0.002+/-0.000 χ^2/NDF: 8587063.0/44

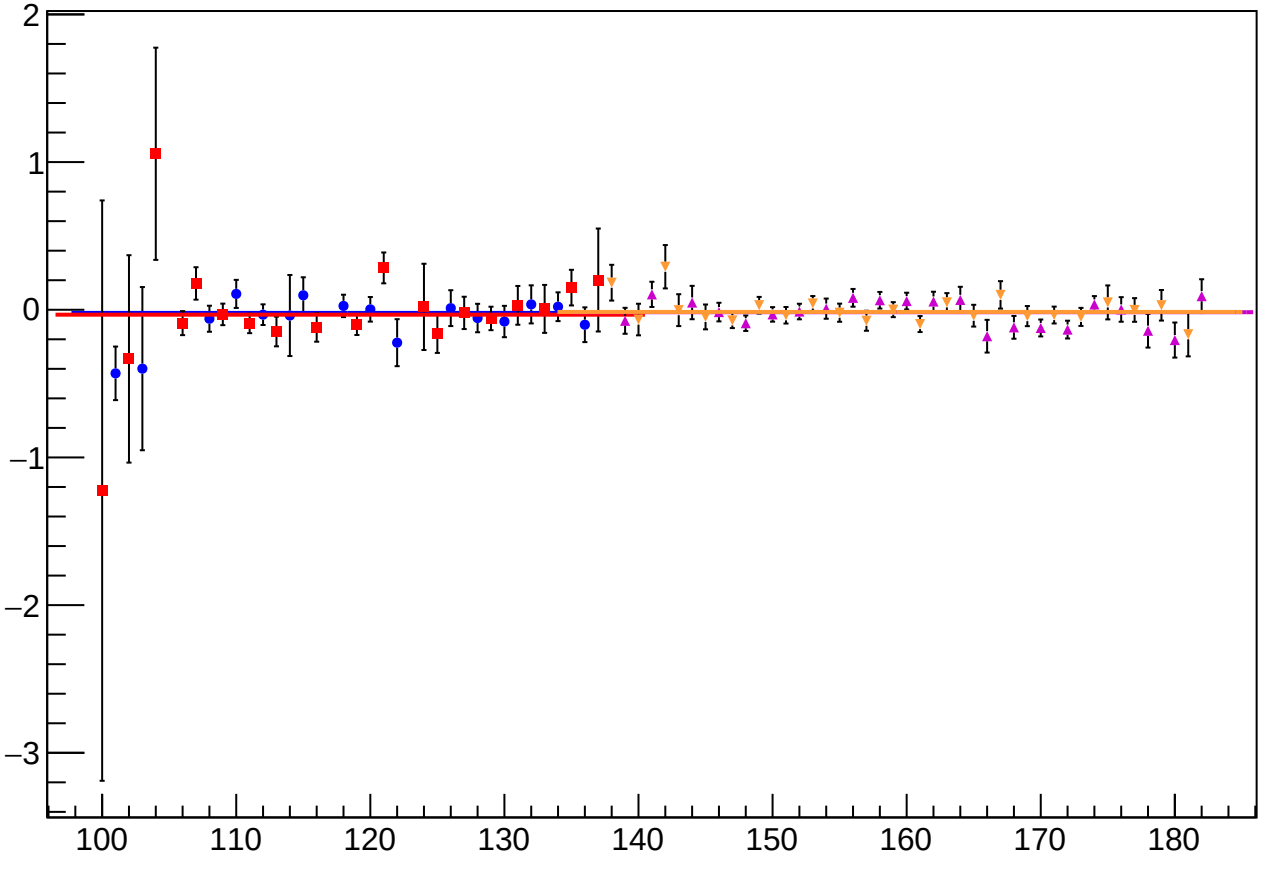
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:8695543.3/37

Out: 0.002+/-0.000 χ^2/NDF:7617797.1/41

All: 0.002+/-0.000 χ^2/NDF: 16436443.8/79

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: -0.015+/-0.015 χ^2/NDF:18.8/22

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.017+/-0.015 χ^2/NDF:30.3/21

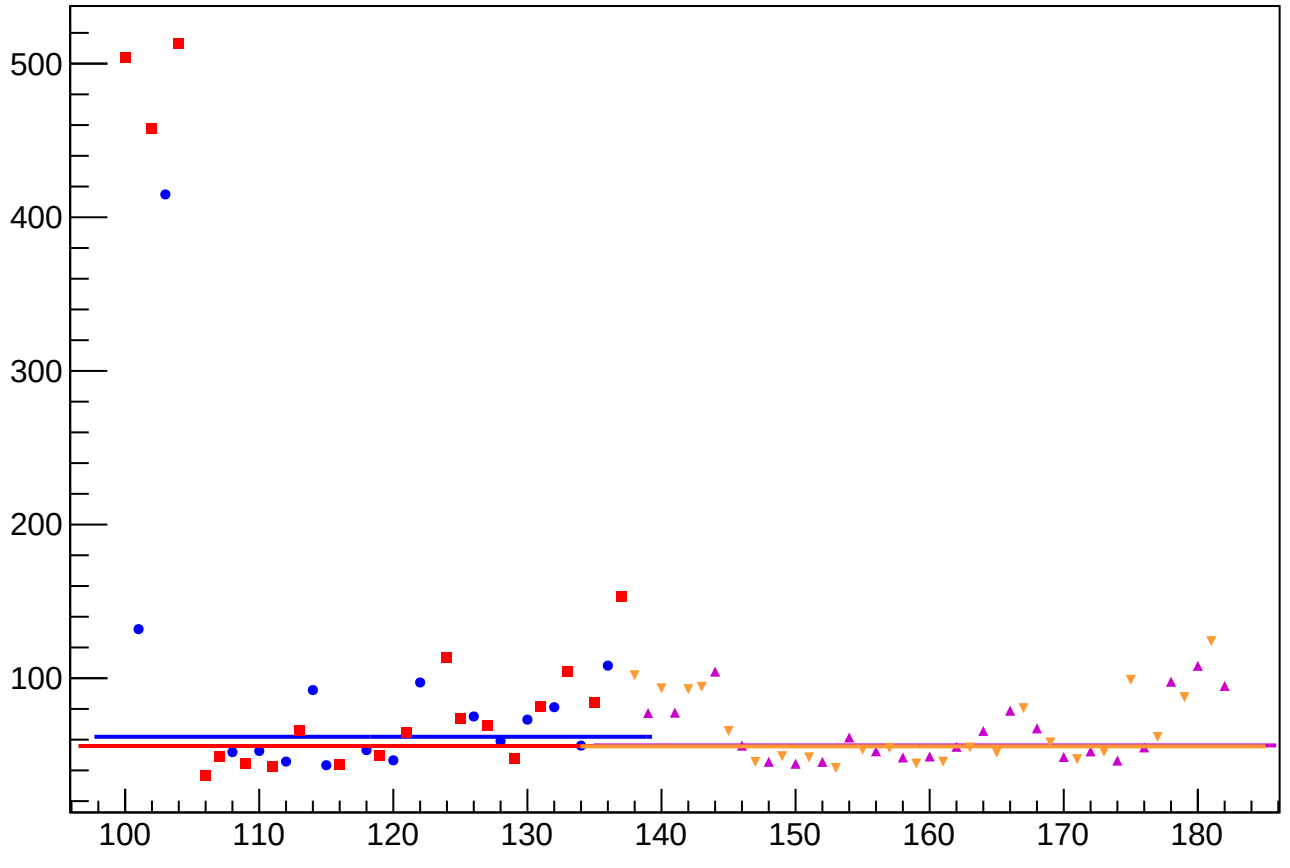
Left: -0.016+/-0.010 χ^2/NDF: 49.2/44

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.018+/-0.013 χ^2/NDF:42.4/37

Out: -0.020+/-0.012 χ^2/NDF:43.6/41

All: -0.019+/-0.009 χ^2/NDF: 86.0/79



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 55.619+/-0.010 χ^2/NDF:2522961.6/22

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 56.261+/-0.010 χ^2/NDF:2098978.6/21

Left: 55.939+/-0.007 χ^2/NDF: 4623894.7/44

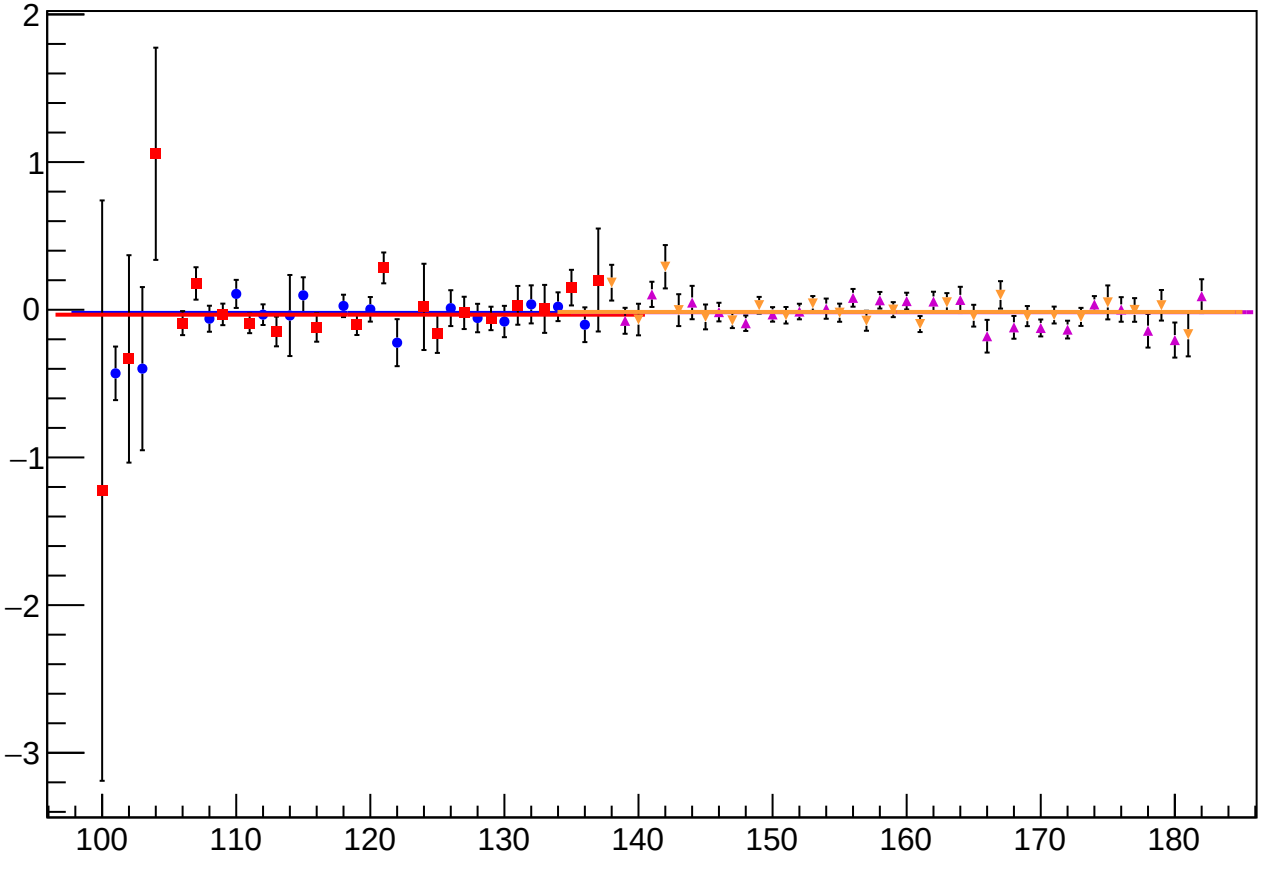
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.559+/-0.009 χ^2/NDF:4105610.3/37

Out: 55.688+/-0.009 χ^2/NDF:5114370.8/41

All: 56.603+/-0.006 χ^2/NDF: 9241916.7/79

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: -0.015+/-0.015 χ^2/NDF:18.8/22

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.017+/-0.015 χ^2/NDF:30.3/21

Left: -0.016+/-0.010 χ^2/NDF: 49.2/44

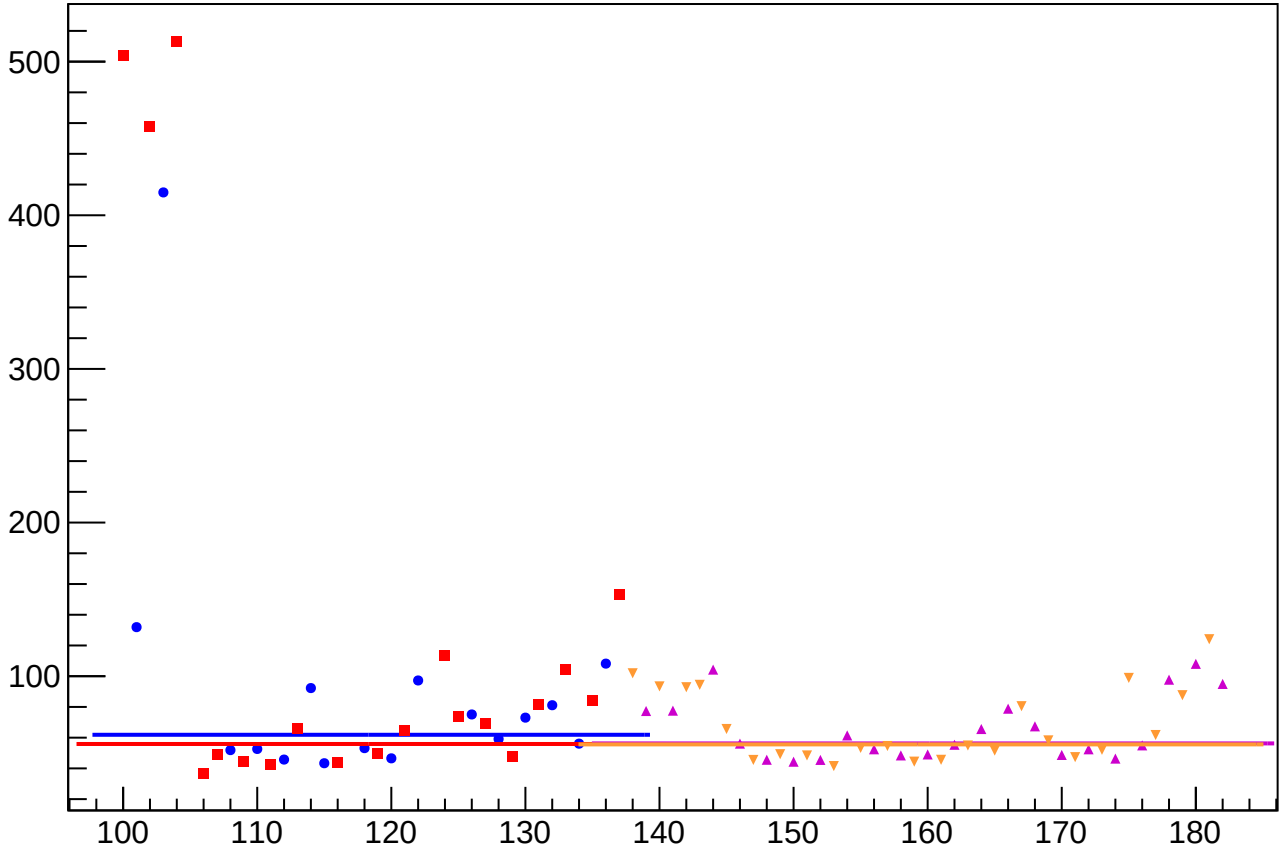
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.018+/-0.013 χ^2/NDF:42.4/37

Out: -0.020+/-0.012 χ^2/NDF:43.6/41

All: -0.019+/-0.009 χ^2/NDF: 86.0/79

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: 55.619+/-0.010 χ^2/NDF:2522961.6/22

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 56.261+/-0.010 χ^2/NDF:2098978.6/21

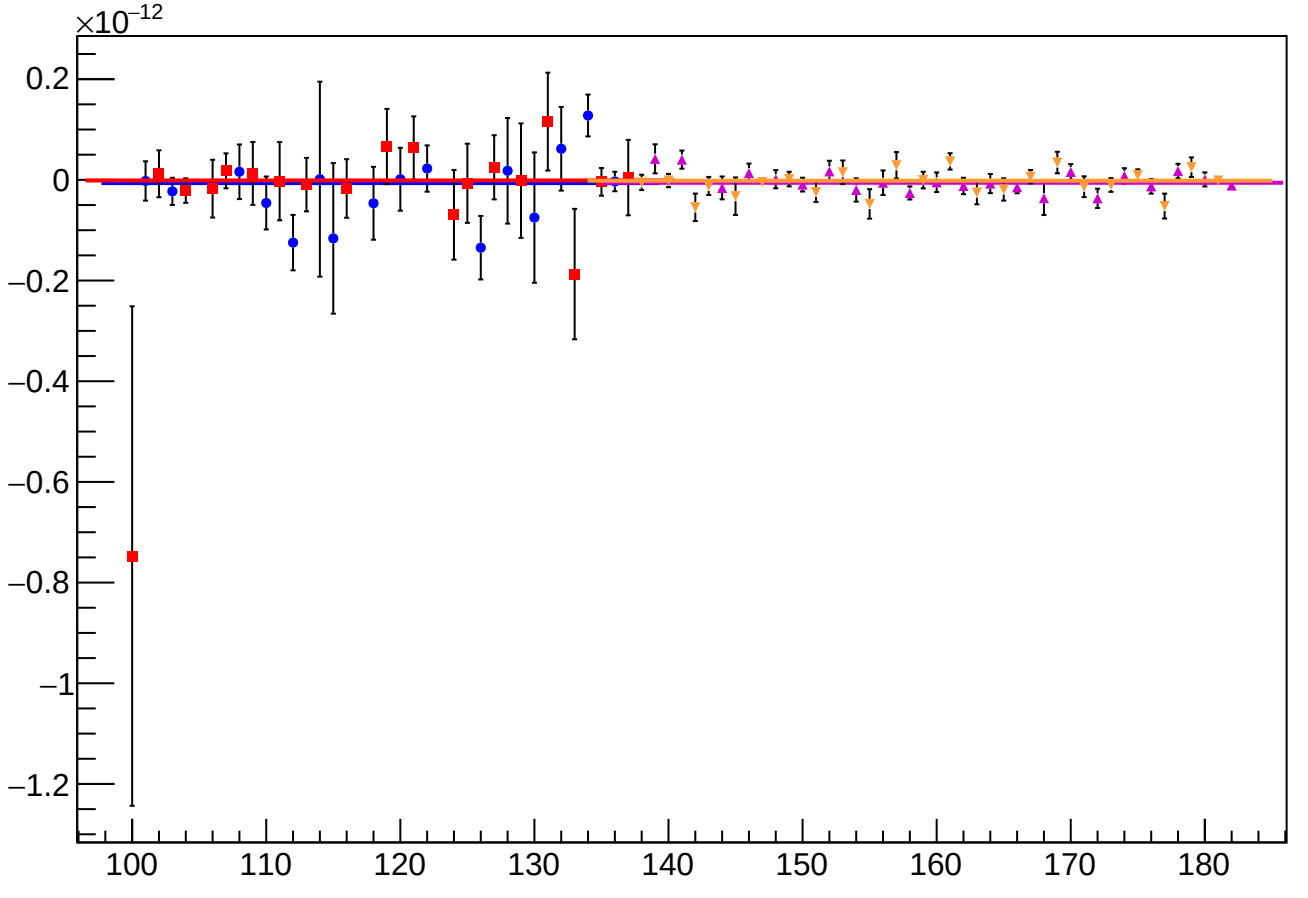
Left: 55.939+/-0.007 χ^2/NDF: 4623894.7/44

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.559+/-0.009 χ^2/NDF:4105610.3/37

Out: 55.688+/-0.009 χ^2/NDF:5114370.8/41

All: 56.603+/-0.006 χ^2/NDF: 9241916.7/79



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/22

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:25.7/21

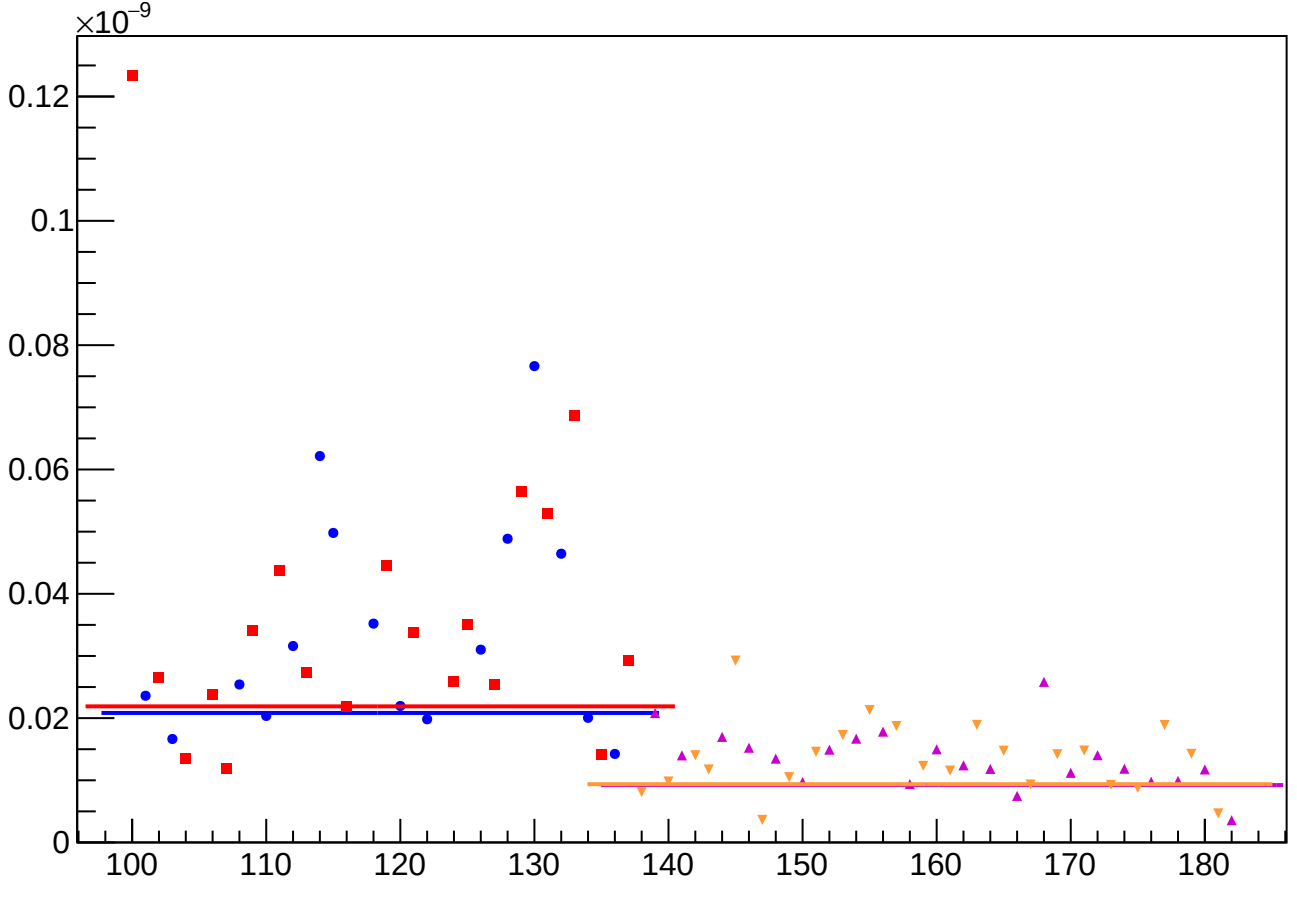
Left: -0.000+/-0.000 χ^2/NDF: 55.2/44

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:48.3/37

Out: -0.000+/-0.000 χ^2/NDF:38.4/41

All: -0.000+/-0.000 χ^2/NDF: 87.6/79



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4718718.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:5066045.5/21

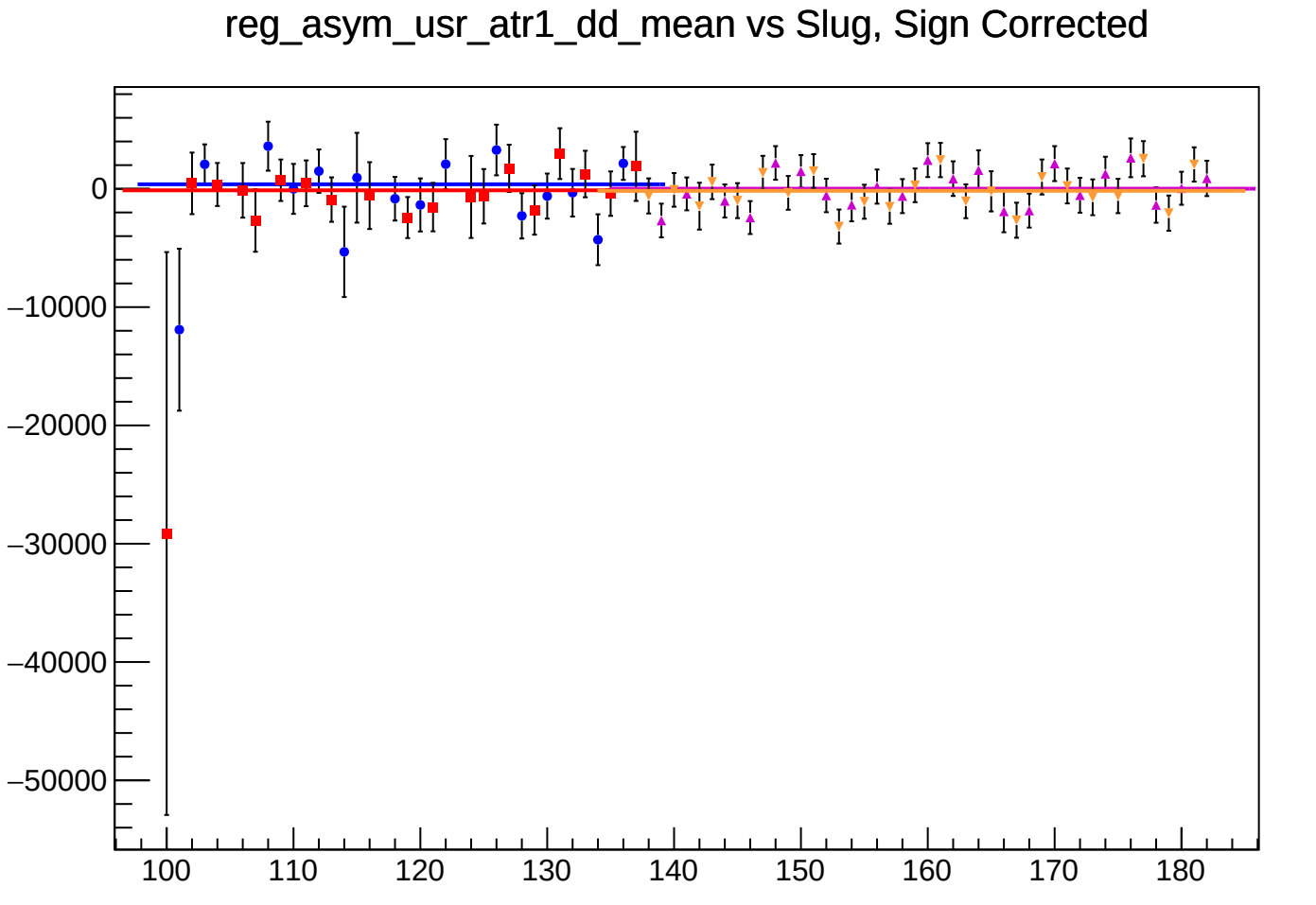
Left: 0.000+/-0.000 χ^2/NDF: 9786773.5/44

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:8421651.9/37

Out: 0.000+/-0.000 χ^2/NDF:8693669.0/41

All: 0.000+/-0.000 χ^2/NDF: 17118977.2/79



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -168.781+/-308.389 χ^2/NDF:24.1/22

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: 8.124+/-311.128 χ^2/NDF:25.7/21

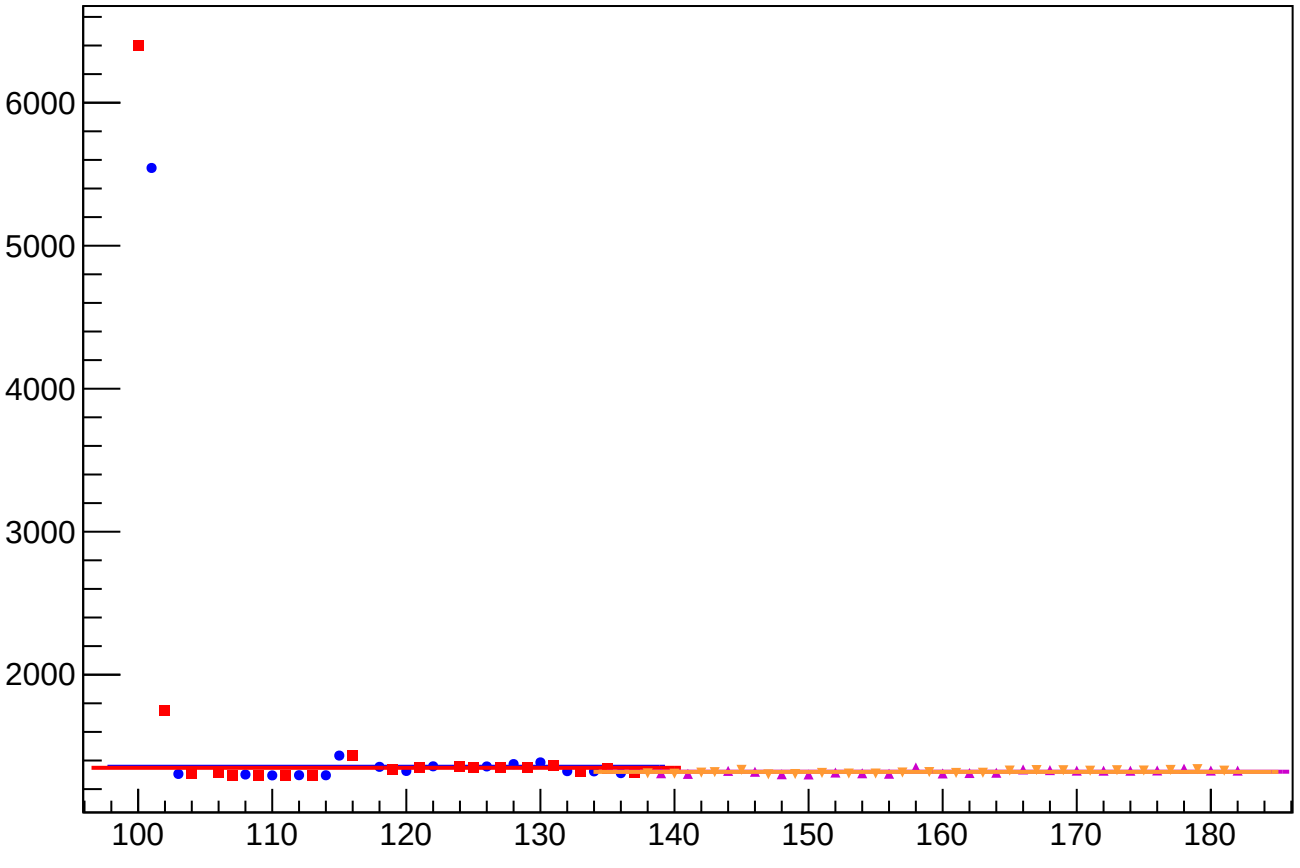
Left: -81.111+/-219.026 χ^2/NDF: 49.9/44

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 107.145+/-266.687 χ^2/NDF:47.6/37

Out: -157.555+/-262.621 χ^2/NDF:34.0/41

All: -27.238+/-187.122 χ^2/NDF: 82.1/79



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1320.397+/-0.218 χ^2/NDF:2548.6/22

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1321.658+/-0.220 χ^2/NDF:3533.2/21

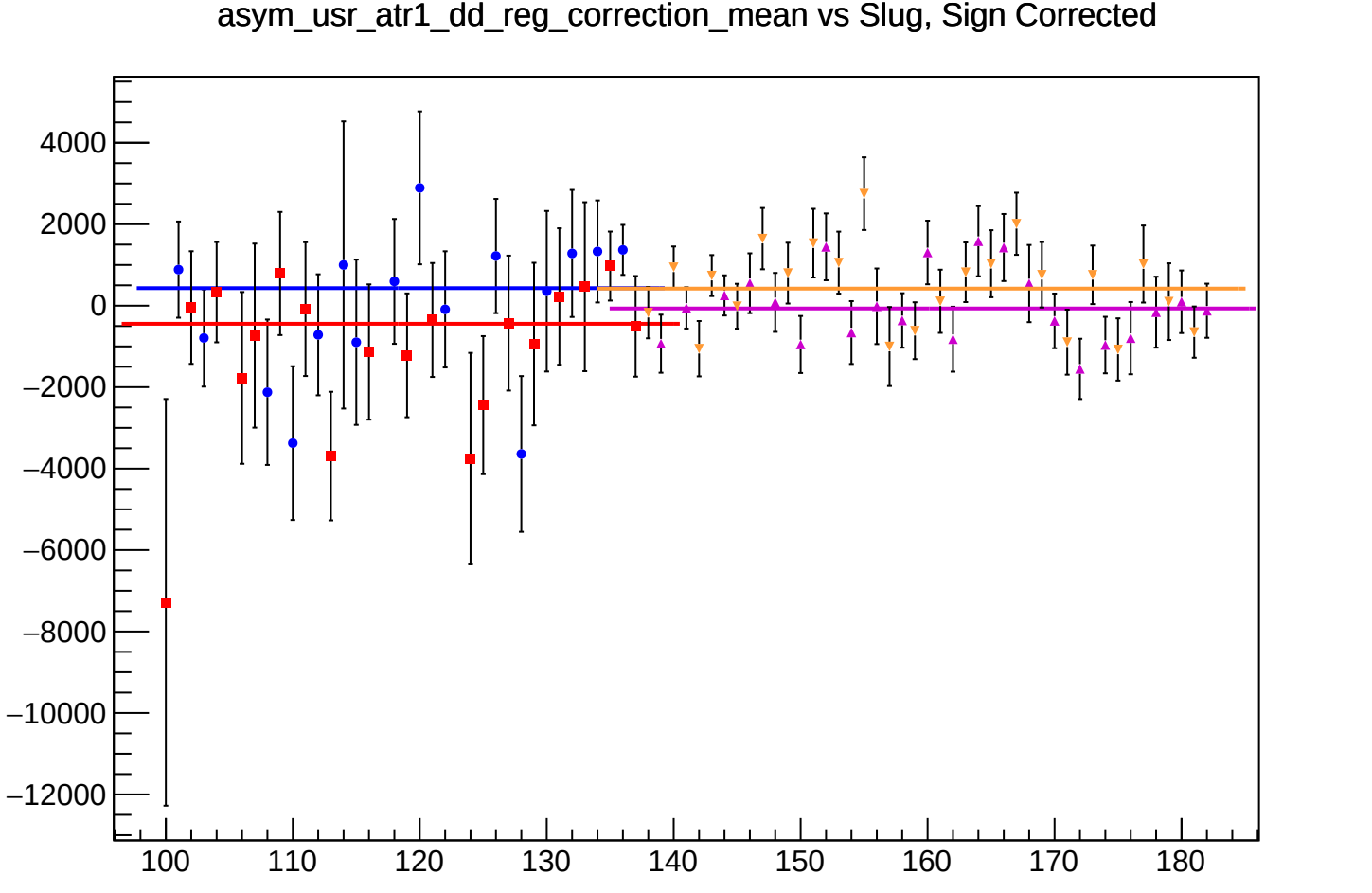
Left: 1321.022+/-0.155 χ^2/NDF: 6098.4/44

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.873+/-0.189 χ^2/NDF:770413.9/37

Out: 1328.250+/-0.186 χ^2/NDF:154533.8/41

All: 1329.541+/-0.132 χ^2/NDF: 925046.0/79



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 419.631+/-148.889 χ^2/NDF:39.9/22

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: -68.601+/-153.983 χ^2/NDF:26.5/21

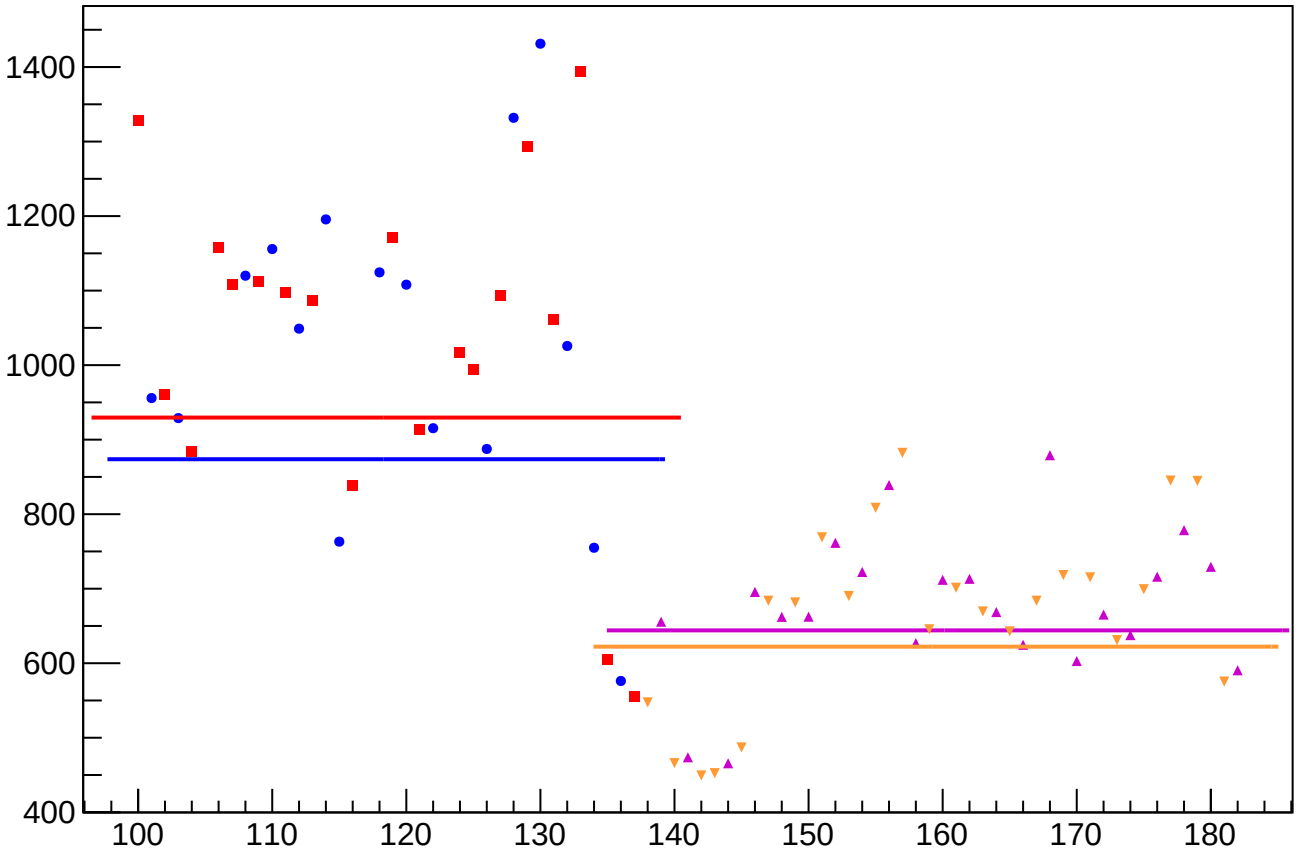
Left: 183.724+/-107.036 χ^2/NDF: 71.6/44

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 16.965+/-140.159 χ^2/NDF:46.5/37

Out: 290.726+/-137.336 χ^2/NDF:59.3/41

All: 156.630+/-98.094 χ^2/NDF: 107.8/79



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 622.220+/-0.105 χ^2/NDF:1383275.9/22

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 644.087+/-0.109 χ^2/NDF:915984.0/21

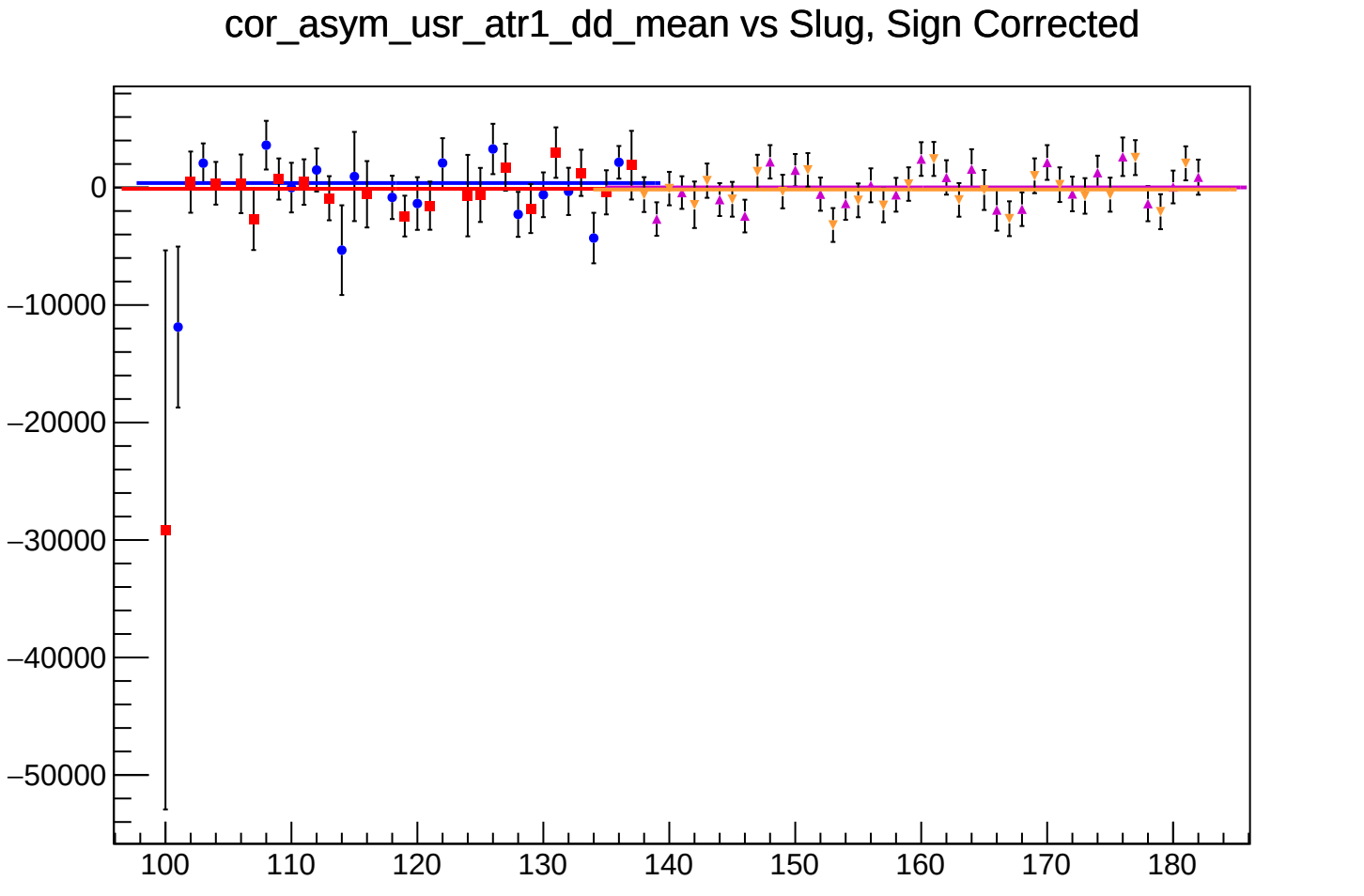
Left: 632.786+/-0.076 χ^2/NDF: 2320104.1/44

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 683.468+/-0.099 χ^2/NDF:2693682.5/37

Out: 668.076+/-0.097 χ^2/NDF:3515015.3/41

All: 675.615+/-0.069 χ^2/NDF: 6221004.2/79



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -168.792+/-308.389 χ^2/NDF:24.1/22

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: 8.075+/-311.128 χ^2/NDF:25.7/21

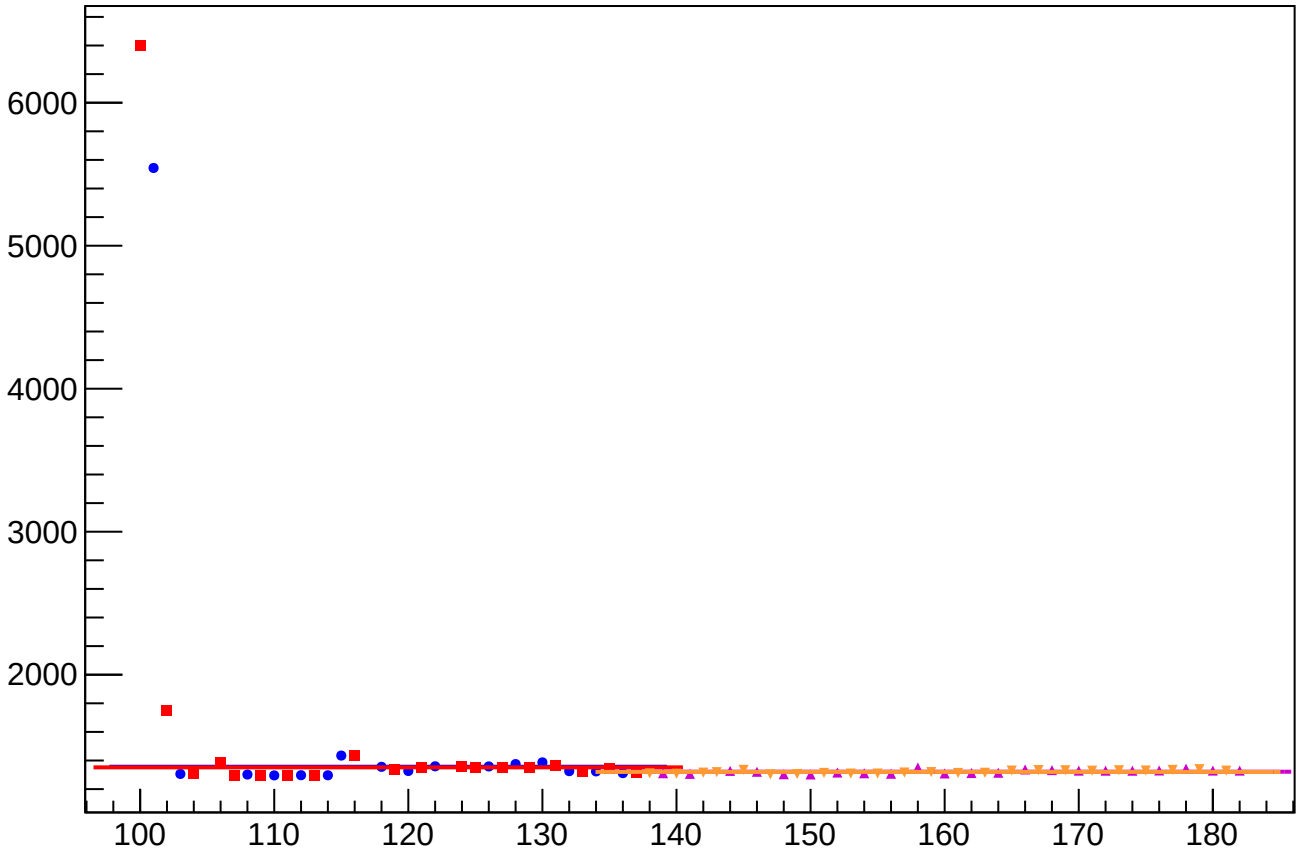
Left: -81.140+/-219.026 χ^2/NDF: 49.9/44

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 107.192+/-266.687 χ^2/NDF:47.6/37

Out: -152.793+/-262.867 χ^2/NDF:34.1/41

All: -24.676+/-187.211 χ^2/NDF: 82.1/79



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1320.397+/-0.218 χ^2/NDF:2548.6/22

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1321.658+/-0.220 χ^2/NDF:3533.2/21

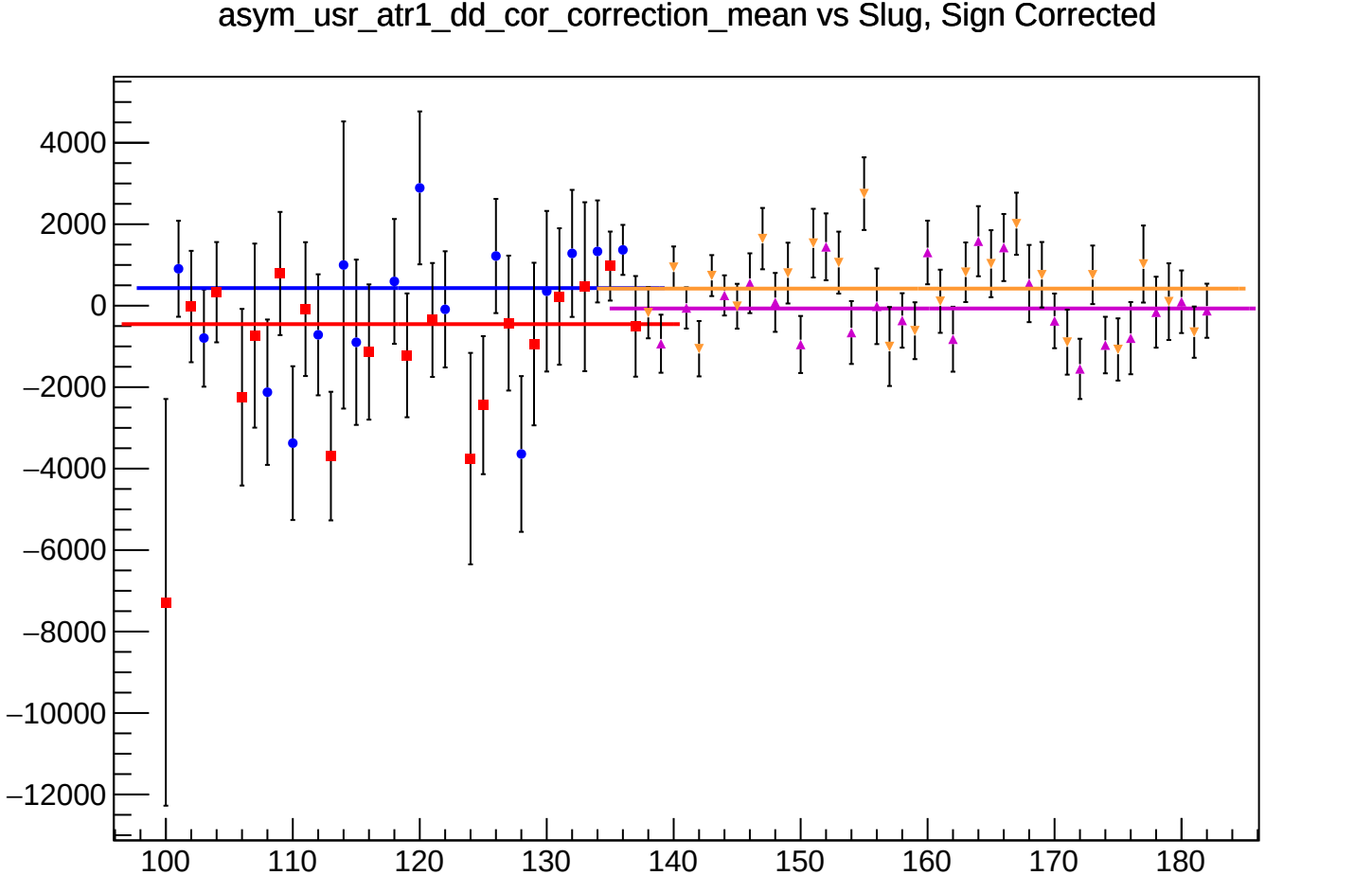
Left: 1321.022+/-0.155 χ^2/NDF: 6098.4/44

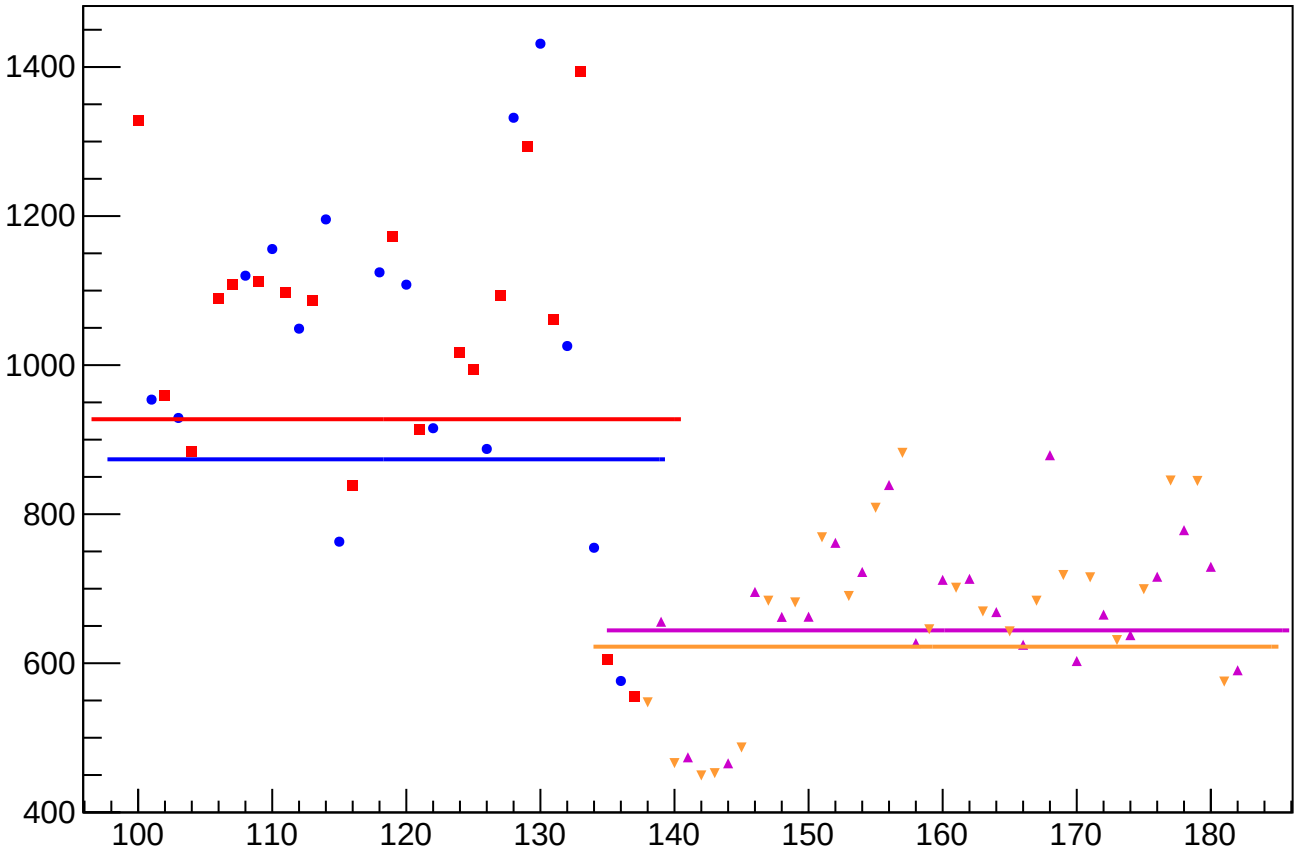
Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.873+/-0.189 χ^2/NDF:770413.0/37

Out: 1329.061+/-0.186 χ^2/NDF:155648.7/41

All: 1329.954+/-0.132 χ^2/NDF: 926108.5/79


asym_usr_atr1_dd_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 419.579+/-148.889 χ²/NDF:39.9/22
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: -68.586+/-153.982 χ²/NDF:26.5/21
Left: 183.703+/-107.036 χ²/NDF: 71.6/44
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 17.304+/-140.154 χ²/NDF:46.5/37
Out: 289.420+/-137.337 χ²/NDF:59.8/41
All: 156.125+/-98.093 χ²/NDF: 108.2/79



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 622.221+/-0.105 χ^2/NDF:1383176.4/22

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 644.083+/-0.109 χ^2/NDF:916027.1/21

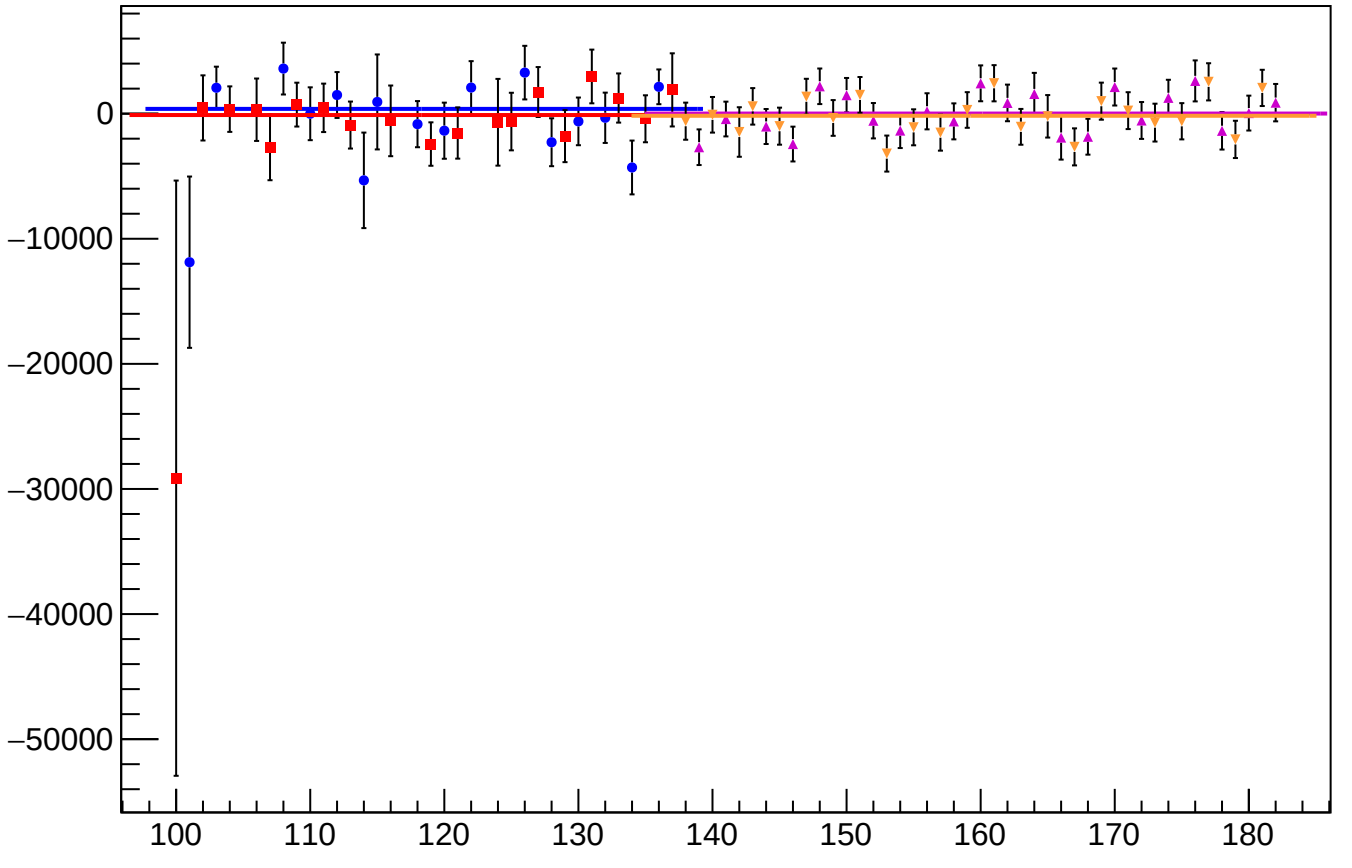
Left: 632.784+/-0.076 χ^2/NDF: 2320038.3/44

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 683.453+/-0.099 χ^2/NDF:2692674.7/37

Out: 667.742+/-0.097 χ^2/NDF:3483949.1/41

All: 675.438+/-0.069 χ^2/NDF: 6189444.7/79



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -168.792+/-308.389 χ^2/NDF:24.1/22

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: 8.075+/-311.128 χ^2/NDF:25.7/21

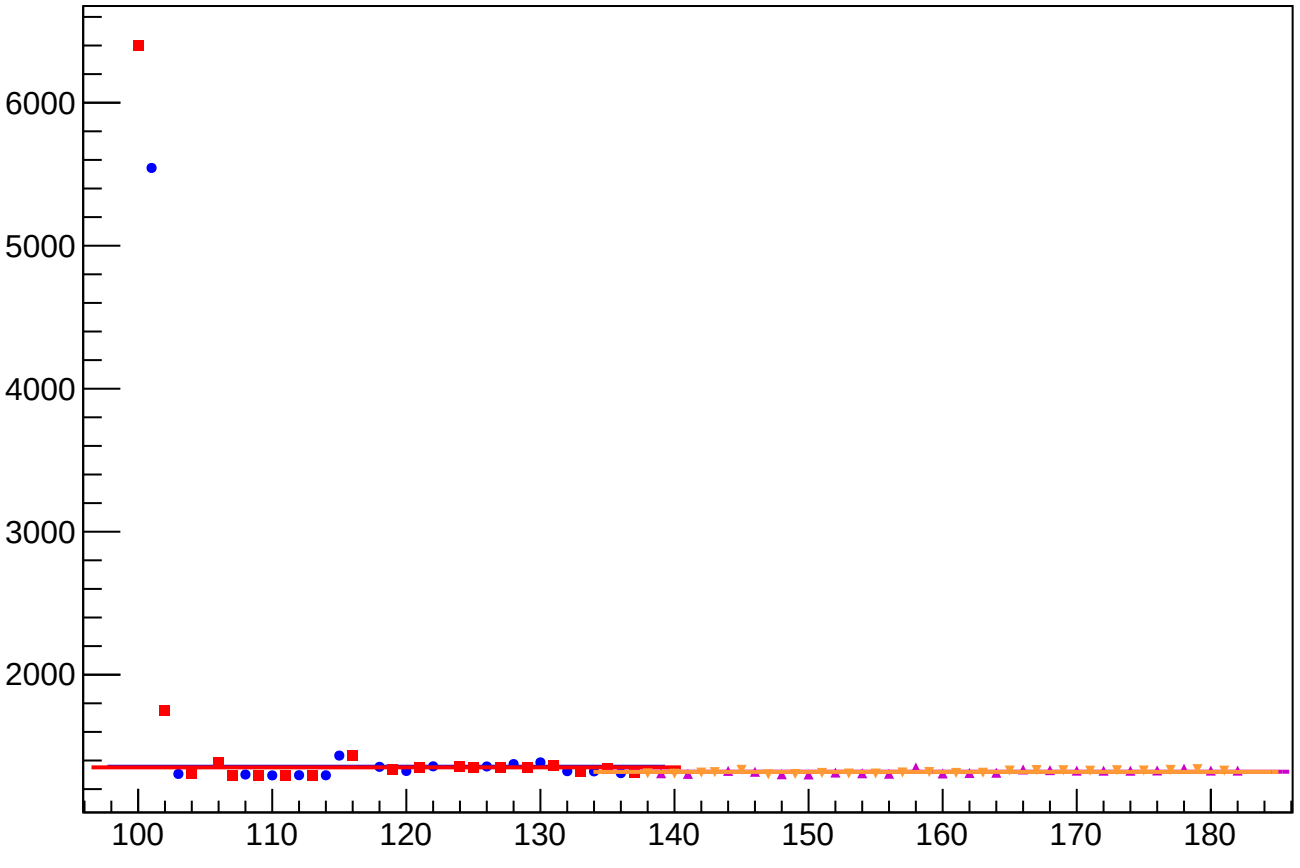
Left: -81.140+/-219.026 χ^2/NDF: 49.9/44

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 107.192+/-266.687 χ^2/NDF:47.6/37

Out: -152.793+/-262.867 χ^2/NDF:34.1/41

All: -24.676+/-187.211 χ^2/NDF: 82.1/79



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1320.397+/-0.218 χ^2/NDF:2548.6/22

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1321.658+/-0.220 χ^2/NDF:3533.2/21

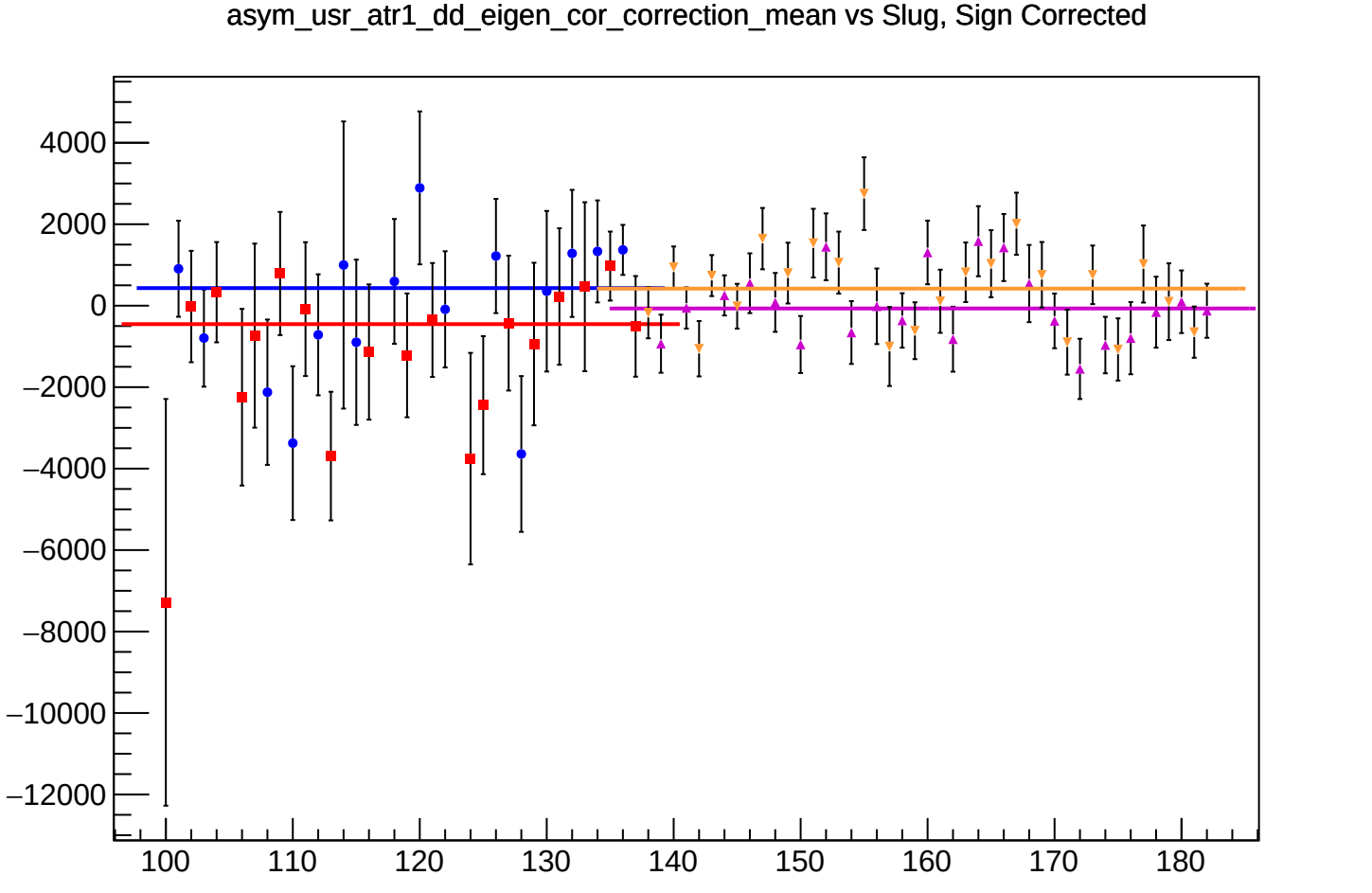
Left: 1321.022+/-0.155 χ^2/NDF: 6098.4/44

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

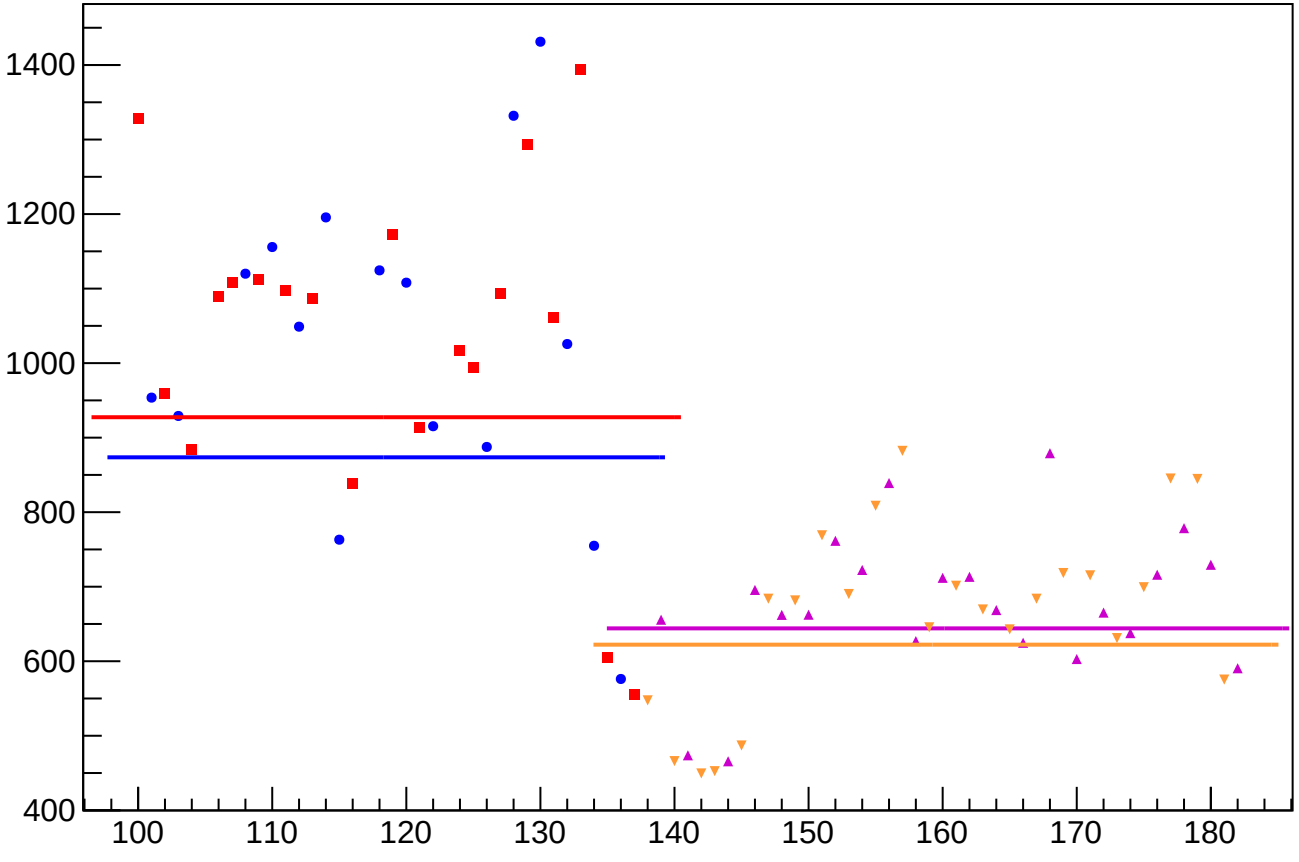
In: 1330.873+/-0.189 χ^2/NDF:770413.0/37

Out: 1329.061+/-0.186 χ^2/NDF:155648.7/41

All: 1329.954+/-0.132 χ^2/NDF: 926108.5/79


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 419.579+/-148.889 χ²/NDF:39.9/22
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: -68.586+/-153.982 χ²/NDF:26.5/21
Left: 183.703+/-107.036 χ²/NDF: 71.6/44
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 17.304+/-140.154 χ²/NDF:46.5/37
Out: 289.420+/-137.337 χ²/NDF:59.8/41
All: 156.125+/-98.093 χ²/NDF: 108.2/79

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 622.221+/-0.105 χ^2/NDF:1383176.4/22

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 644.083+/-0.109 χ^2/NDF:916027.1/21

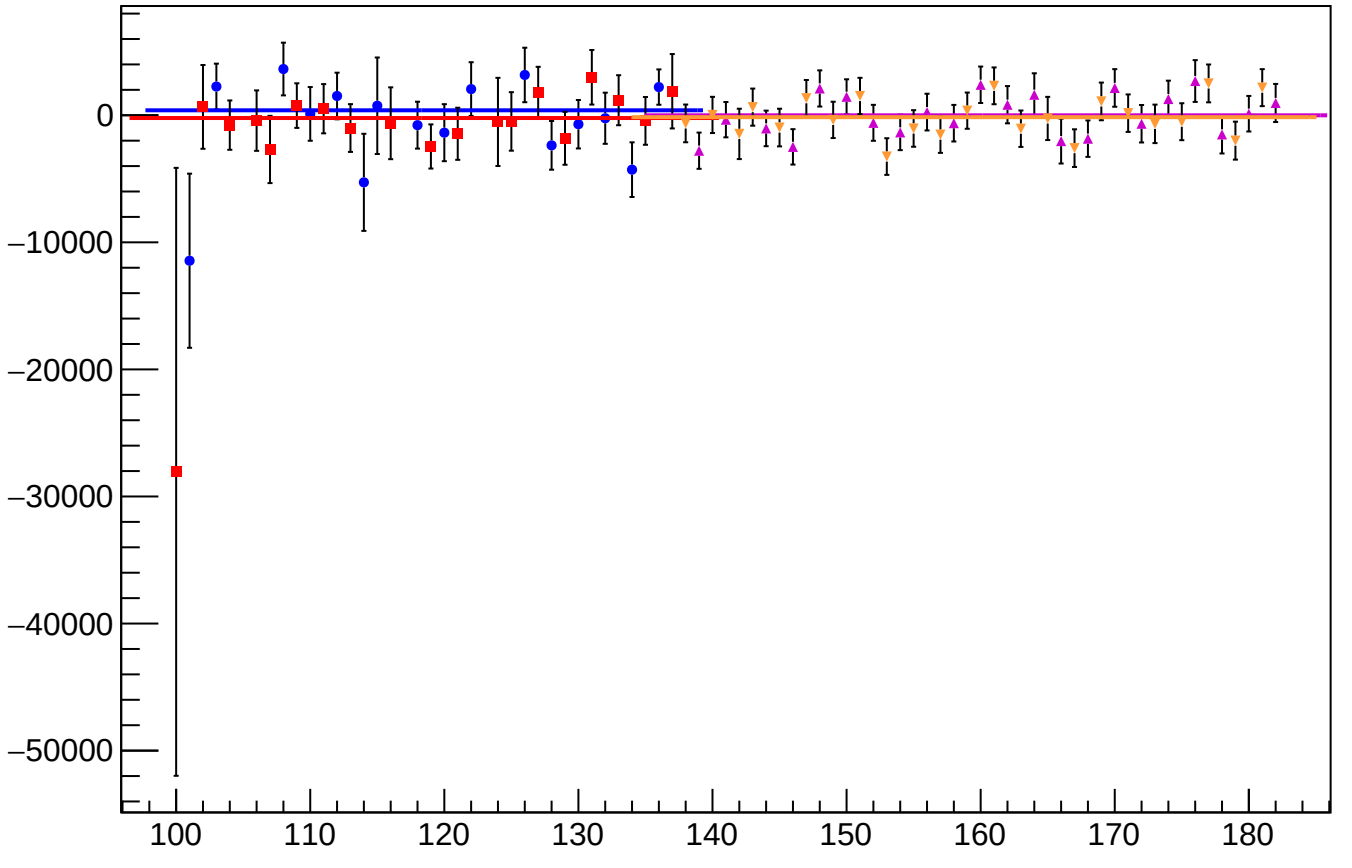
Left: 632.784+/-0.076 χ^2/NDF: 2320038.3/44

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 683.453+/-0.099 χ^2/NDF:2692674.7/37

Out: 667.742+/-0.097 χ^2/NDF:3483949.1/41

All: 675.438+/-0.069 χ^2/NDF: 6189444.7/79



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -150.750+/-308.754 χ^2/NDF:23.9/22

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -4.673+/-311.491 χ^2/NDF:26.5/21

Left: -78.356+/-219.284 χ^2/NDF: 50.5/44

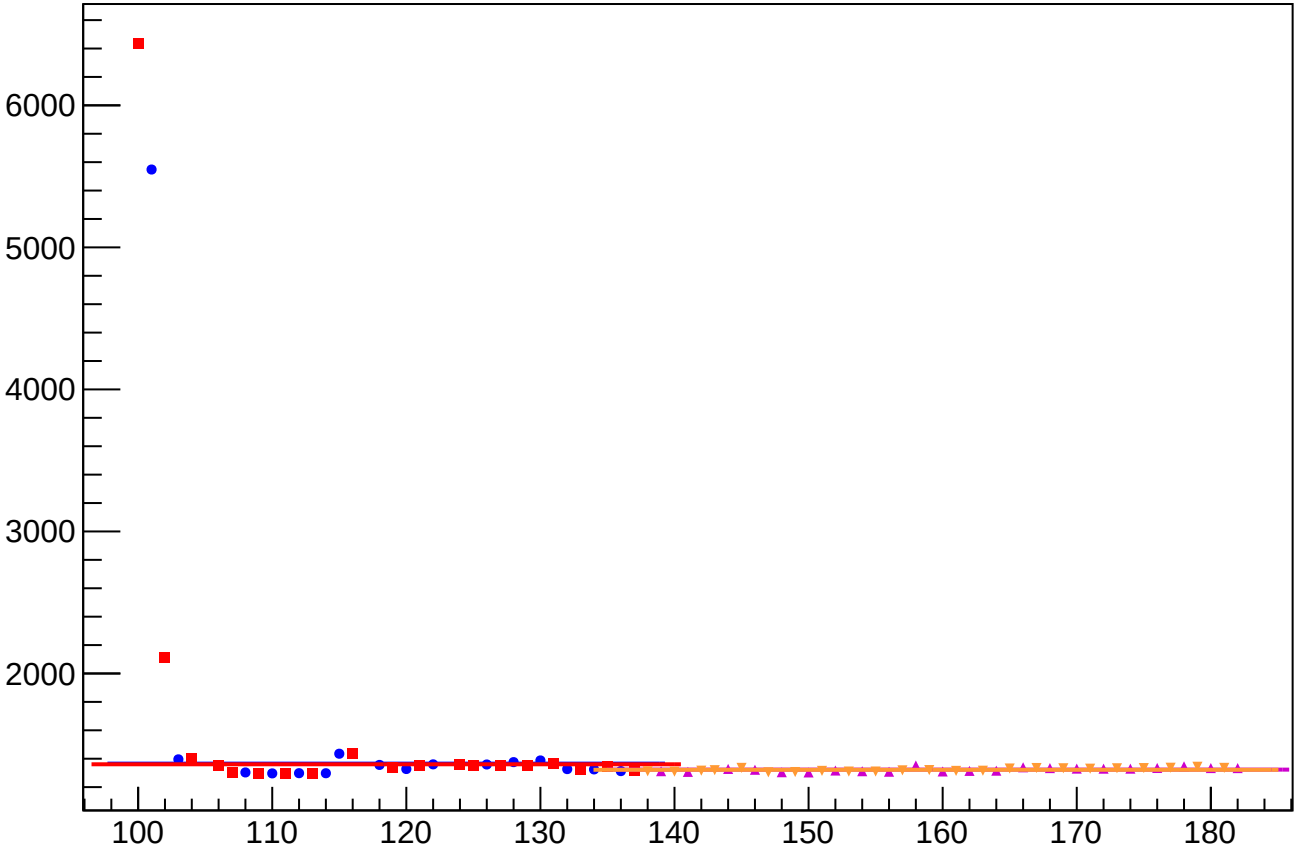
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 99.194+/-267.374 χ^2/NDF:48.3/37

Out: -168.944+/-263.834 χ^2/NDF:33.9/41

All: -36.662+/-187.798 χ^2/NDF: 82.7/79

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1321.955+/-0.218 χ^2/NDF:2849.7/22

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1323.195+/-0.220 χ^2/NDF:3830.4/21

Left: 1322.570+/-0.155 χ^2/NDF: 6696.1/44

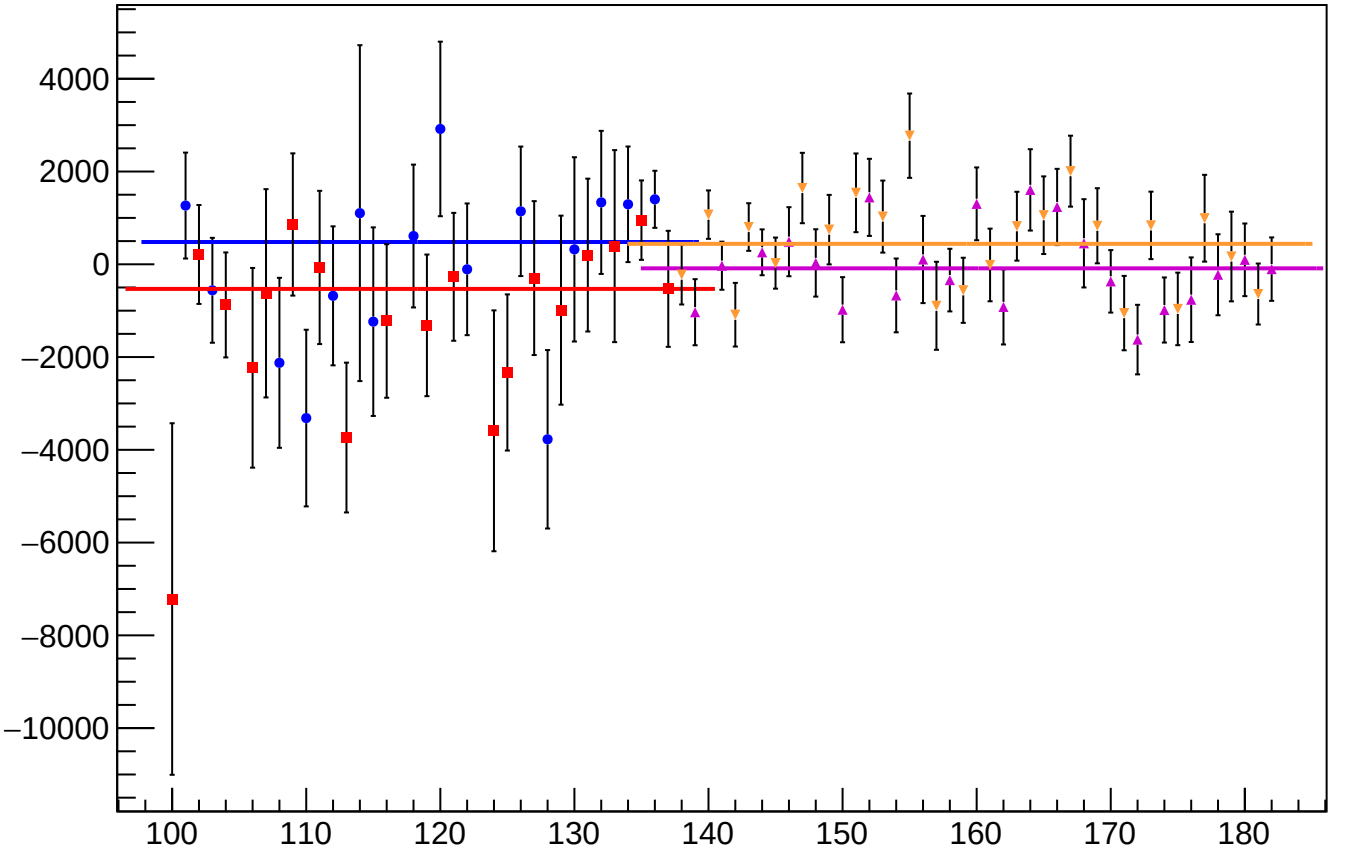
Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1334.278+/-0.189 χ^2/NDF:772394.2/37

Out: 1332.428+/-0.187 χ^2/NDF:216693.6/41

All: 1333.341+/-0.133 χ^2/NDF: 989136.3/79

asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 440.687+/-150.873 χ^2/NDF:39.8/22

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -87.287+/-155.811 χ^2/NDF:26.1/21

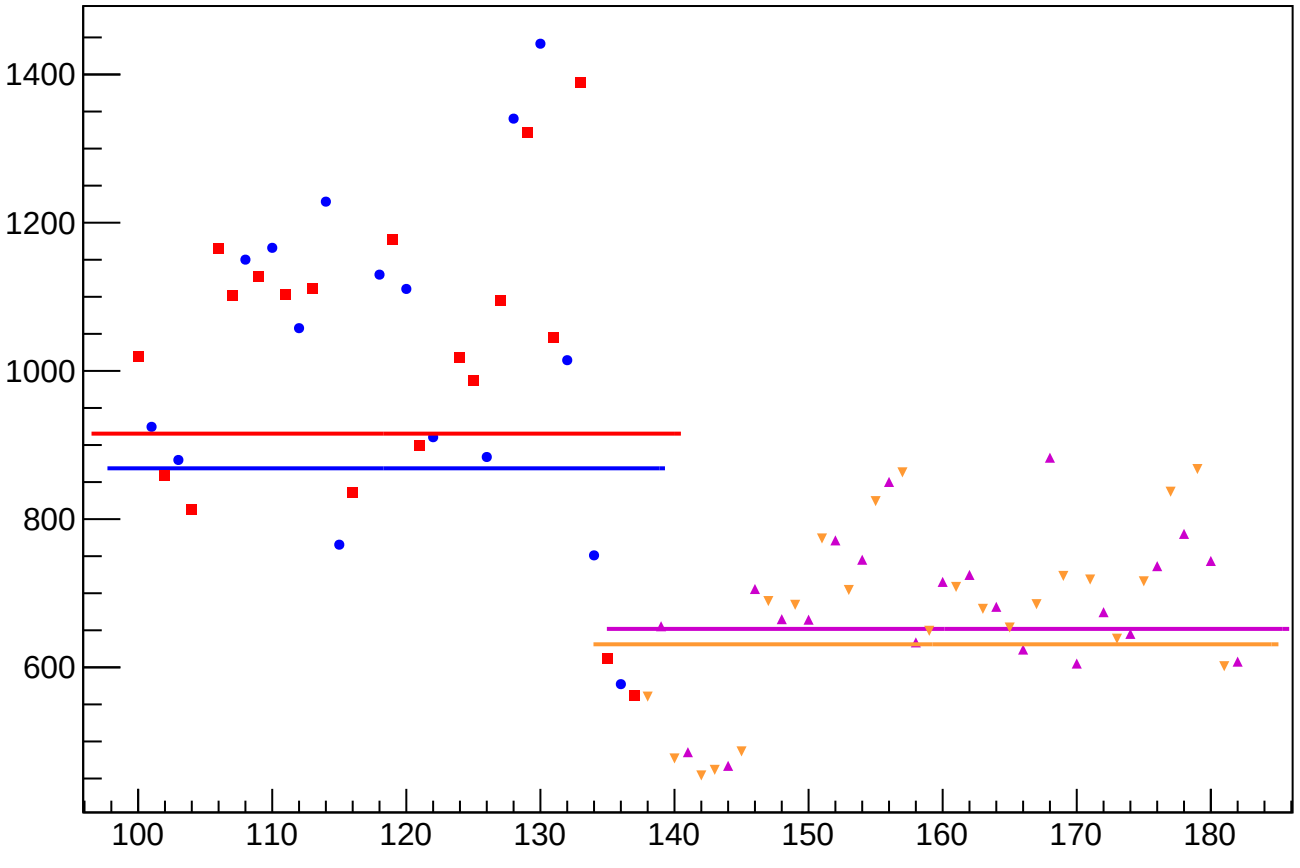
Left: 185.199+/-108.387 χ^2/NDF: 71.8/44

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 12.928+/-141.391 χ^2/NDF:47.0/37

Out: 285.602+/-138.304 χ^2/NDF:62.0/41

All: 152.274+/-98.869 χ^2/NDF: 110.9/79



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 631.111+/-0.107 χ^2/NDF:1327671.3/22

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 651.885+/-0.110 χ^2/NDF:915747.9/21

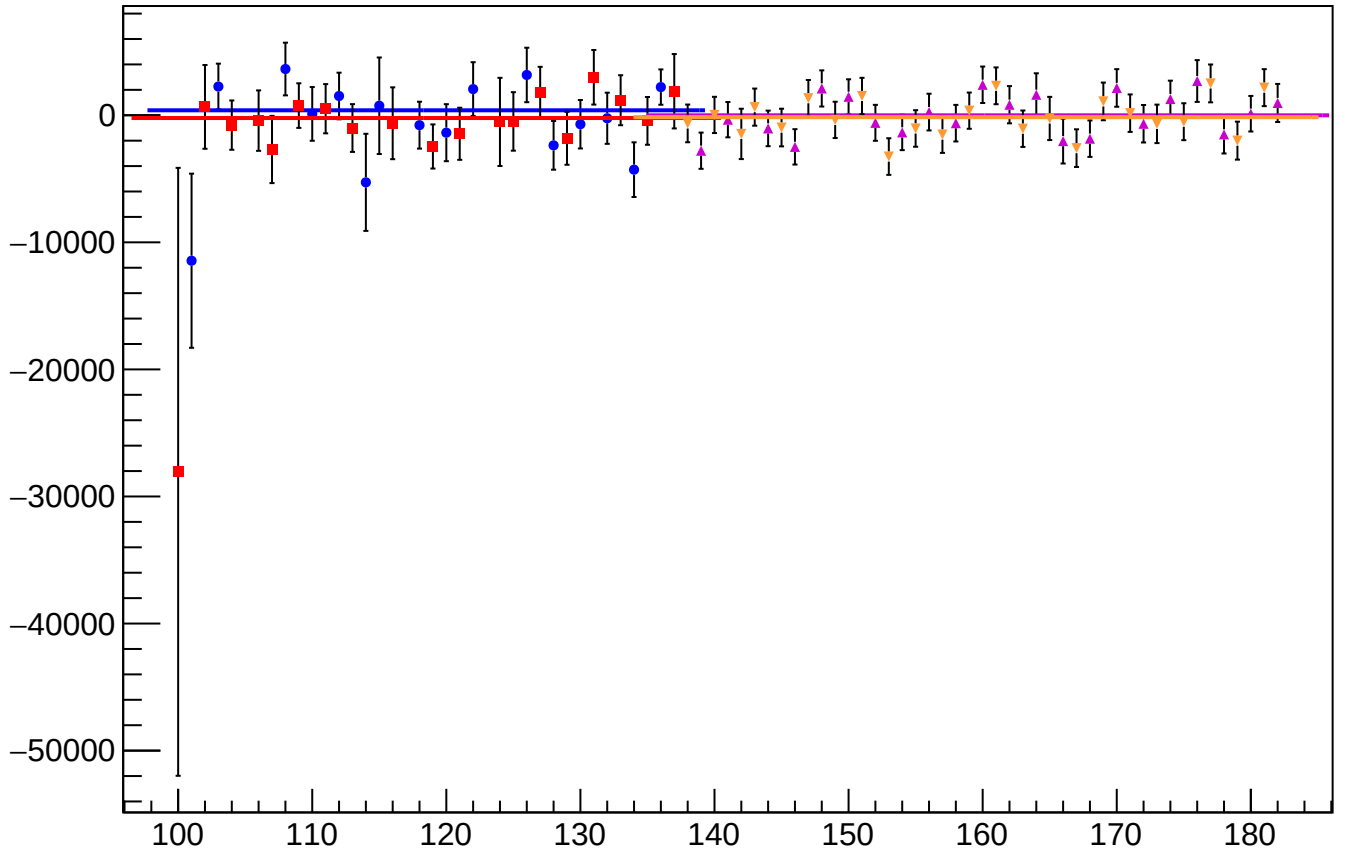
Left: 641.163+/-0.077 χ^2/NDF: 2261767.7/44

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 690.137+/-0.100 χ^2/NDF:2619930.3/37

Out: 676.500+/-0.098 χ^2/NDF:3320173.0/41

All: 683.168+/-0.070 χ^2/NDF: 5949610.8/79



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -150.751+/-308.754 χ^2/NDF:23.9/22

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -4.673+/-311.491 χ^2/NDF:26.5/21

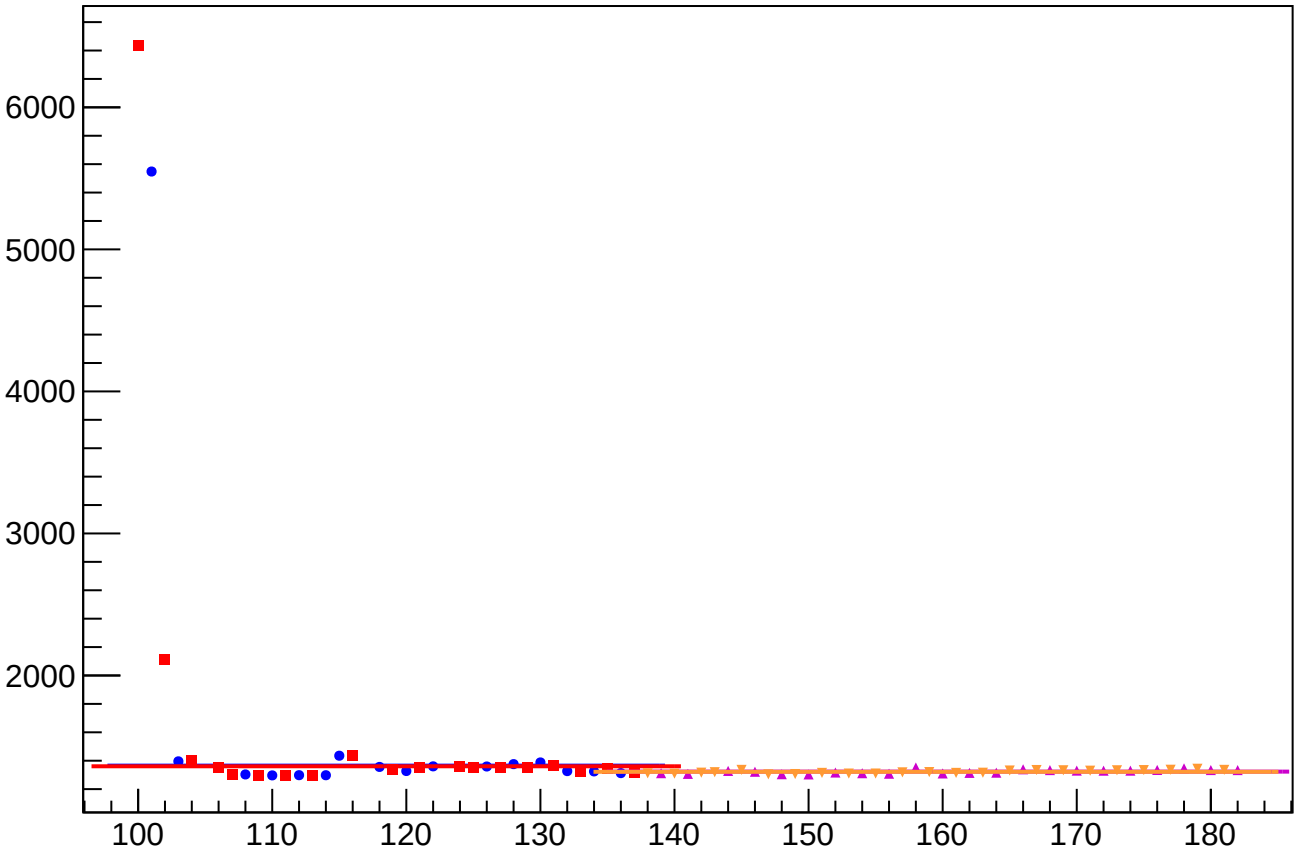
Left: -78.357+/-219.284 χ^2/NDF: 50.5/44

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 99.194+/-267.374 χ^2/NDF:48.3/37

Out: -168.945+/-263.834 χ^2/NDF:33.9/41

All: -36.662+/-187.798 χ^2/NDF: 82.7/79



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1321.955+/-0.218 χ^2/NDF:2849.7/22

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1323.195+/-0.220 χ^2/NDF:3830.4/21

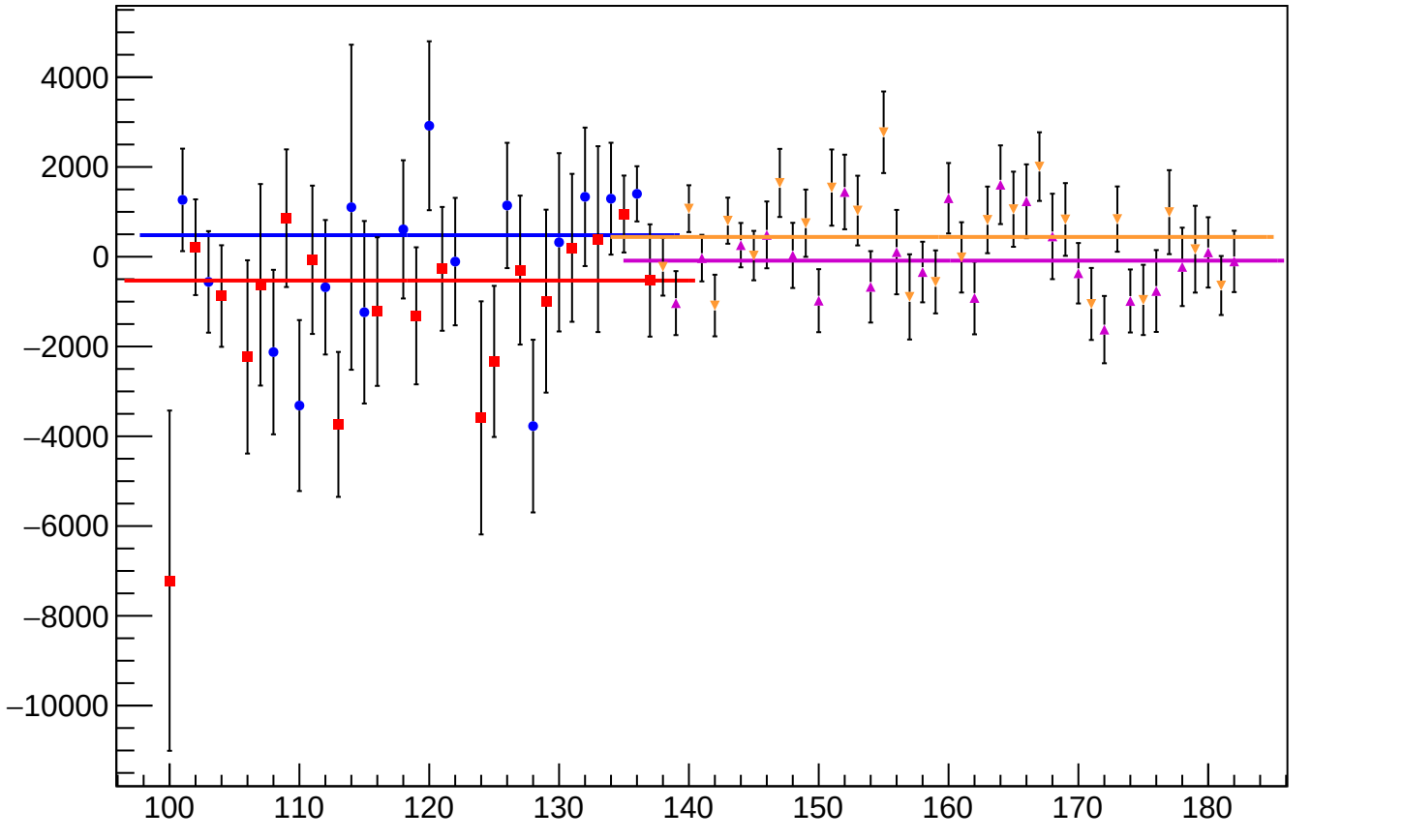
Left: 1322.570+/-0.155 χ^2/NDF: 6696.1/44

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

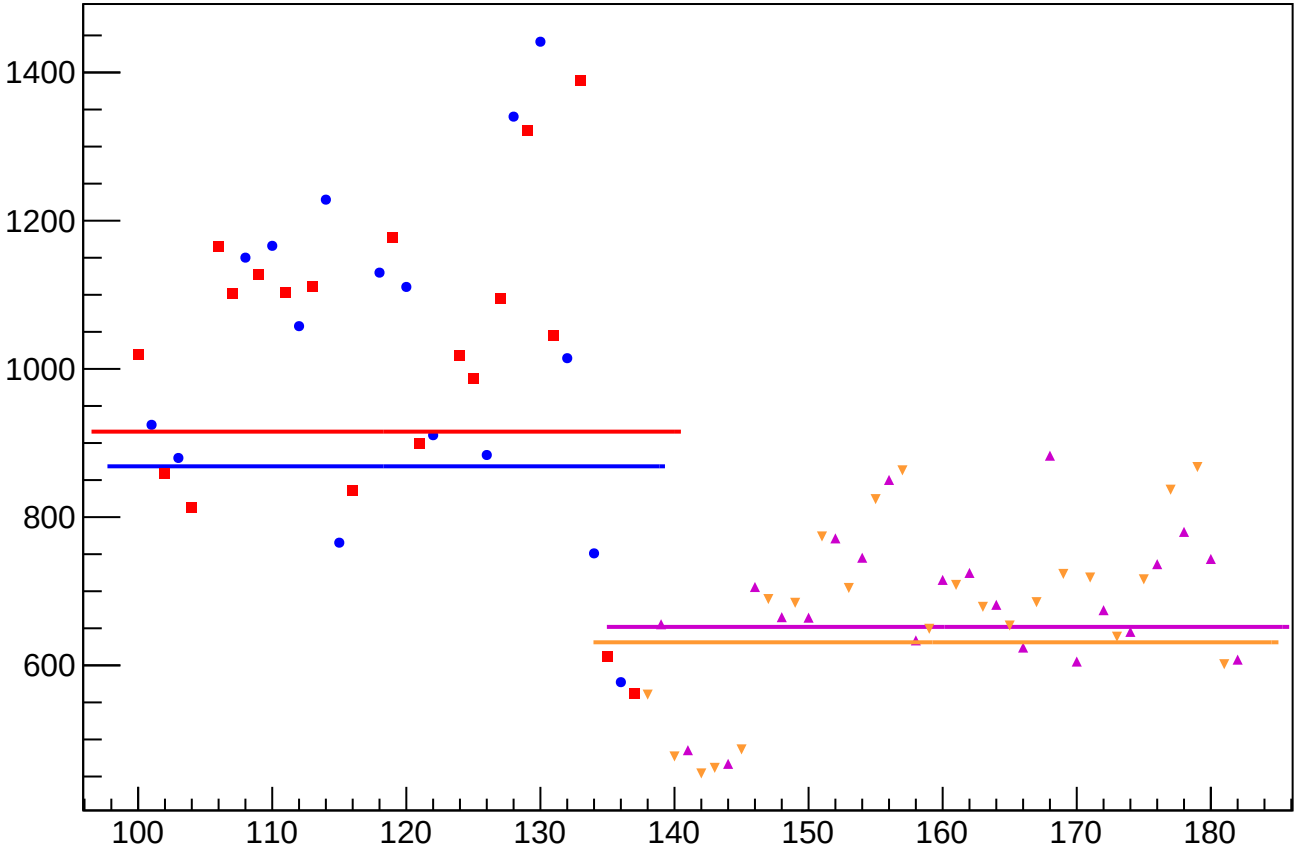
In: 1334.278+/-0.189 χ^2/NDF:772394.2/37

Out: 1332.428+/-0.187 χ^2/NDF:216693.5/41

All: 1333.341+/-0.133 χ^2/NDF: 989136.2/79


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 440.687+/-150.873 χ²/NDF:39.8/22
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: -87.287+/-155.812 χ²/NDF:26.1/21
Left: 185.199+/-108.387 χ²/NDF: 71.8/44
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 12.929+/-141.391 χ²/NDF:47.0/37
Out: 285.601+/-138.304 χ²/NDF:62.0/41
All: 152.275+/-98.869 χ²/NDF: 110.9/79

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: 631.111+/-0.107 χ^2/NDF:1327690.9/22

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 651.886+/-0.110 χ^2/NDF:915757.4/21

Left: 641.164+/-0.077 χ^2/NDF: 2261797.8/44

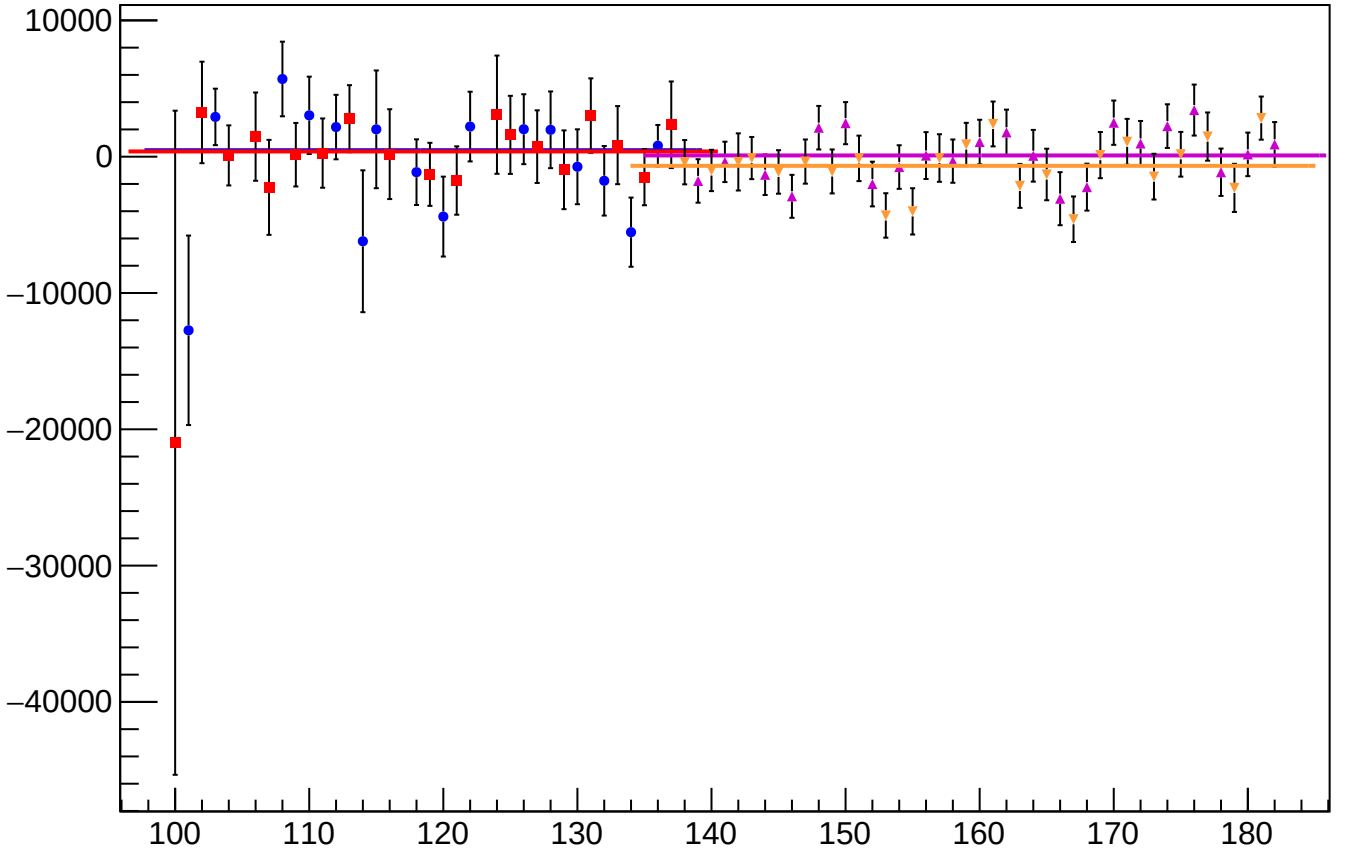
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 690.137+/-0.100 χ^2/NDF:2619919.4/37

Out: 676.500+/-0.098 χ^2/NDF:3320177.0/41

All: 683.168+/-0.070 χ^2/NDF: 5949604.3/79

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -670.254+/-347.382 χ^2/NDF:29.4/22

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: 91.364+/-350.432 χ^2/NDF:26.0/21

Left: -292.773+/-246.707 χ^2/NDF: 57.8/44

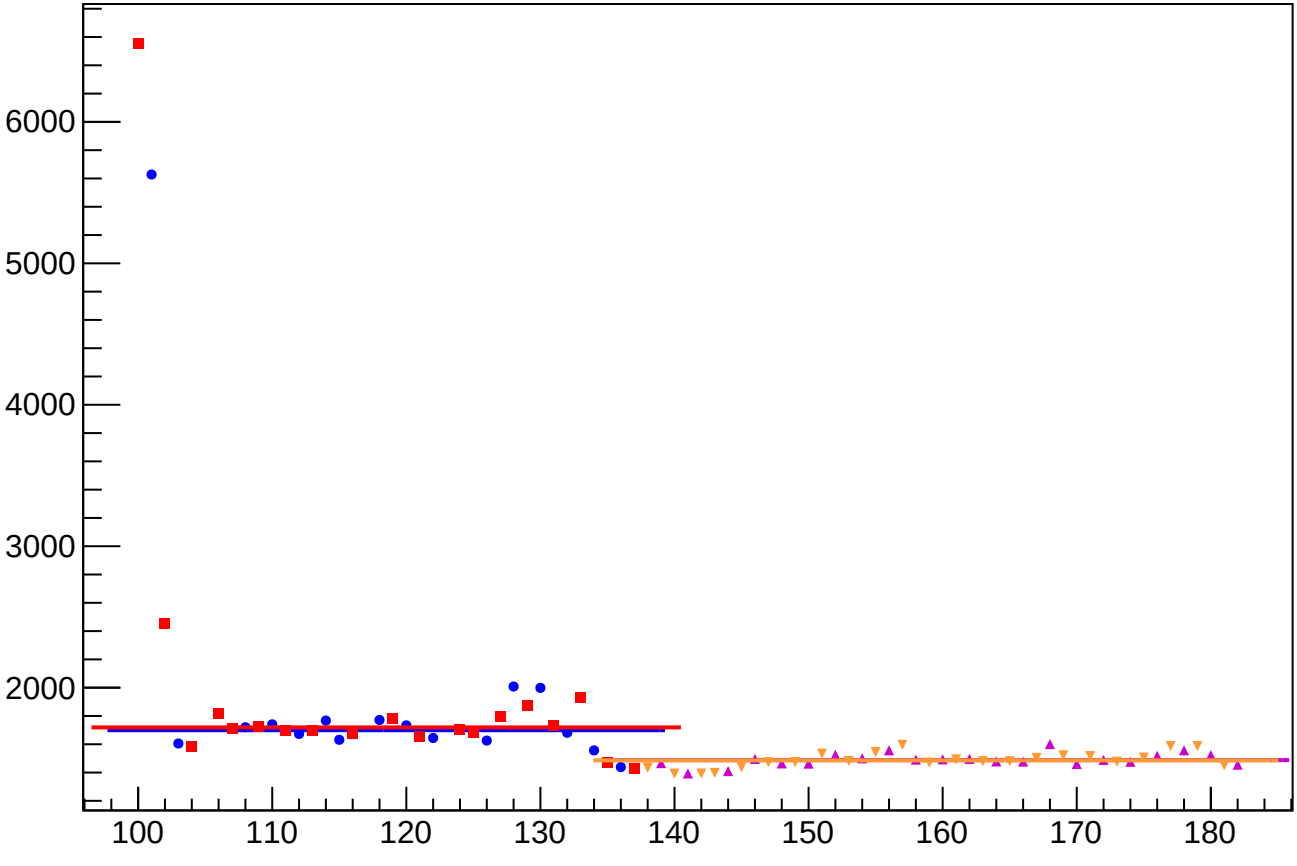
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 177.576+/-308.378 χ^2/NDF:49.0/37

Out: -431.311+/-305.523 χ^2/NDF:38.8/41

All: -129.700+/-217.040 χ^2/NDF: 89.7/79

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1486.116+/-0.246 χ^2/NDF:50506.6/22

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1487.801+/-0.248 χ^2/NDF:34367.0/21

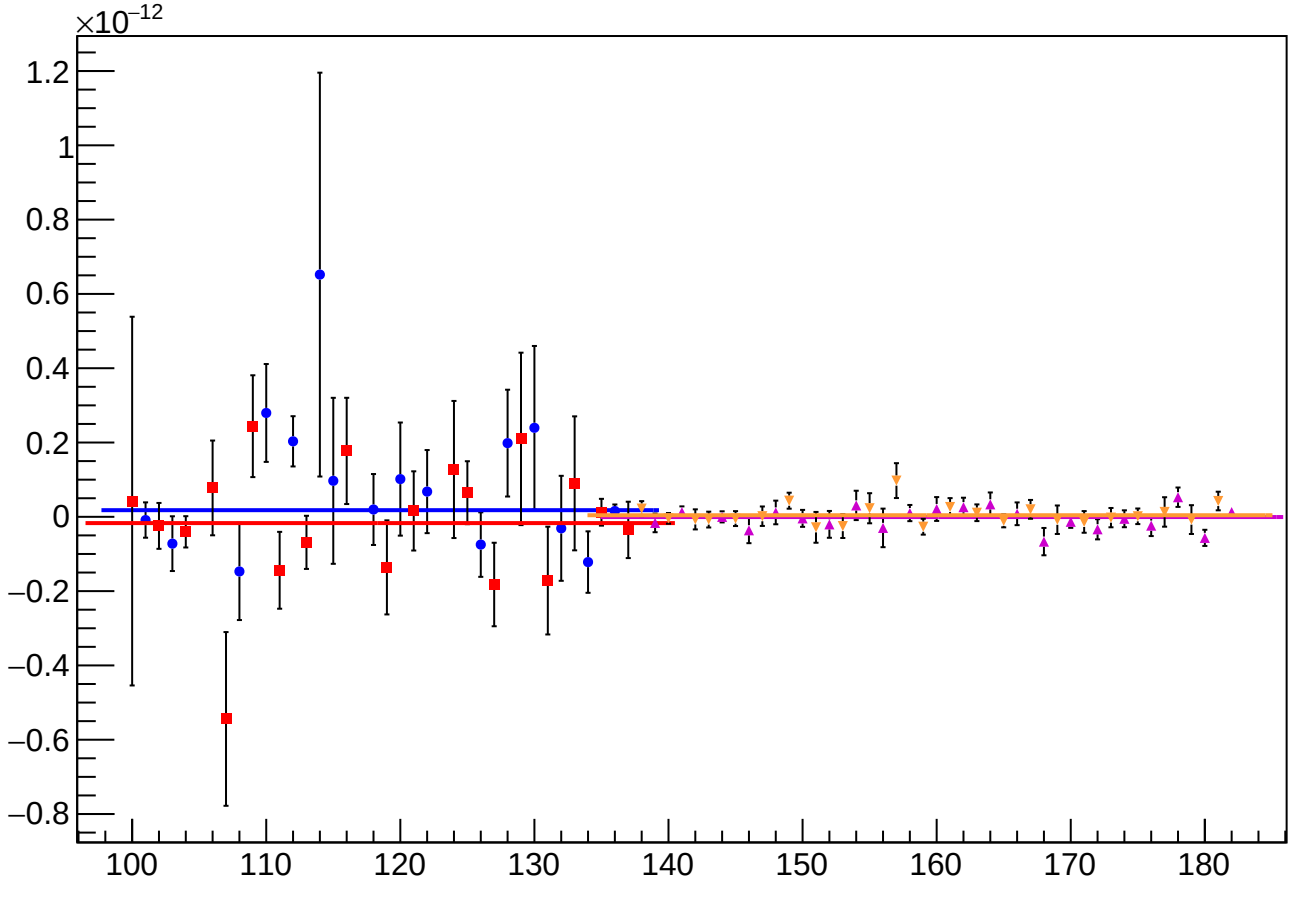
Left: 1486.951+/-0.174 χ^2/NDF: 84896.9/44

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1535.523+/-0.218 χ^2/NDF:960870.1/37

Out: 1538.882+/-0.216 χ^2/NDF:488011.4/41

All: 1537.218+/-0.153 χ^2/NDF: 1449001.2/79



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.0/22

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:24.7/21

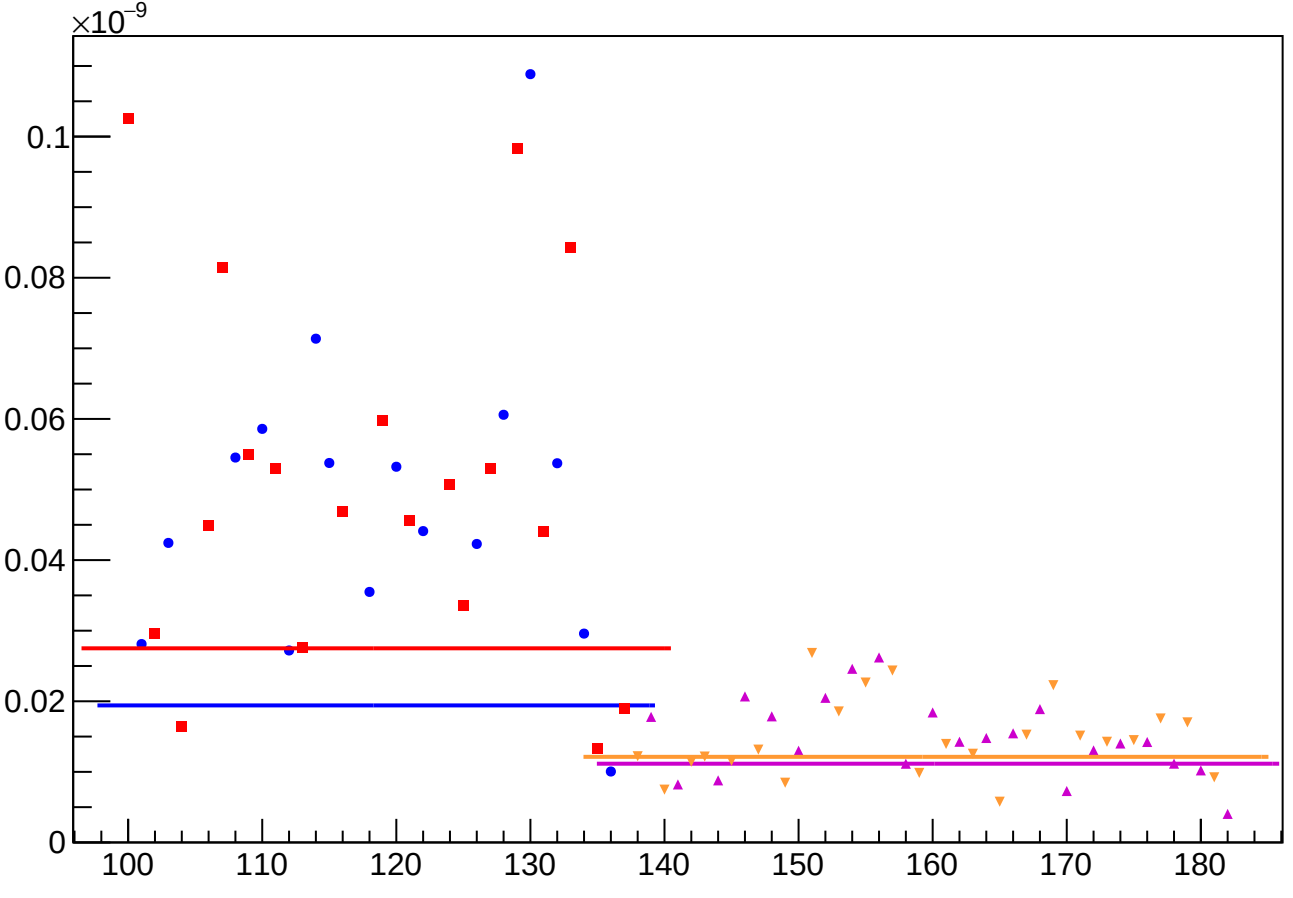
Left: 0.000+/-0.000 χ^2/NDF: 43.1/44

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:49.7/37

Out: 0.000+/-0.000 χ^2/NDF:40.4/41

All: 0.000+/-0.000 χ^2/NDF: 90.2/79



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1502565.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2204651.7/21

Left: 0.000+/-0.000 χ^2/NDF: 3745439.9/44

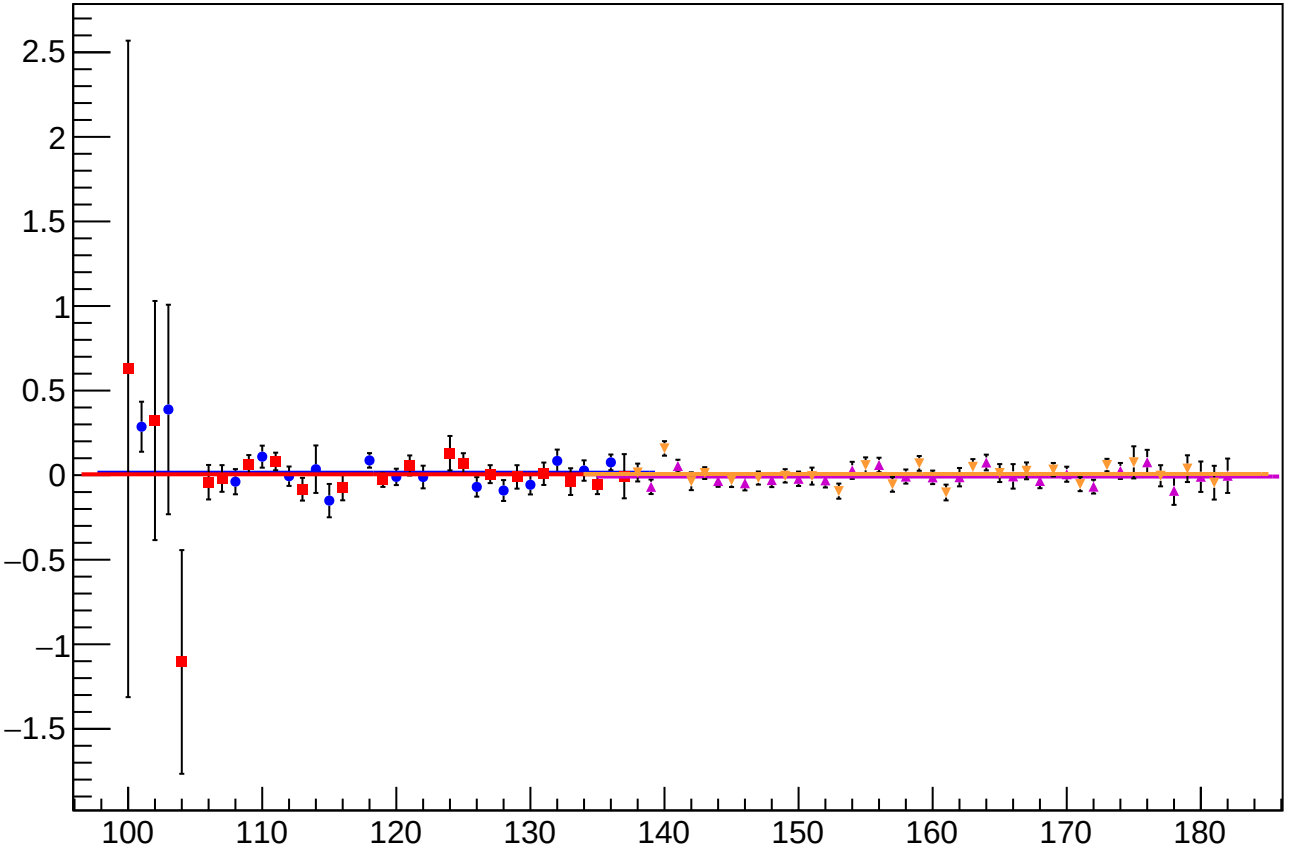
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:5071209.6/37

Out: 0.000+/-0.000 χ^2/NDF:4362283.9/41

All: 0.000+/-0.000 χ^2/NDF: 9489623.4/79

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: 0.007+/-0.010 χ^2/NDF:36.9/22

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/21

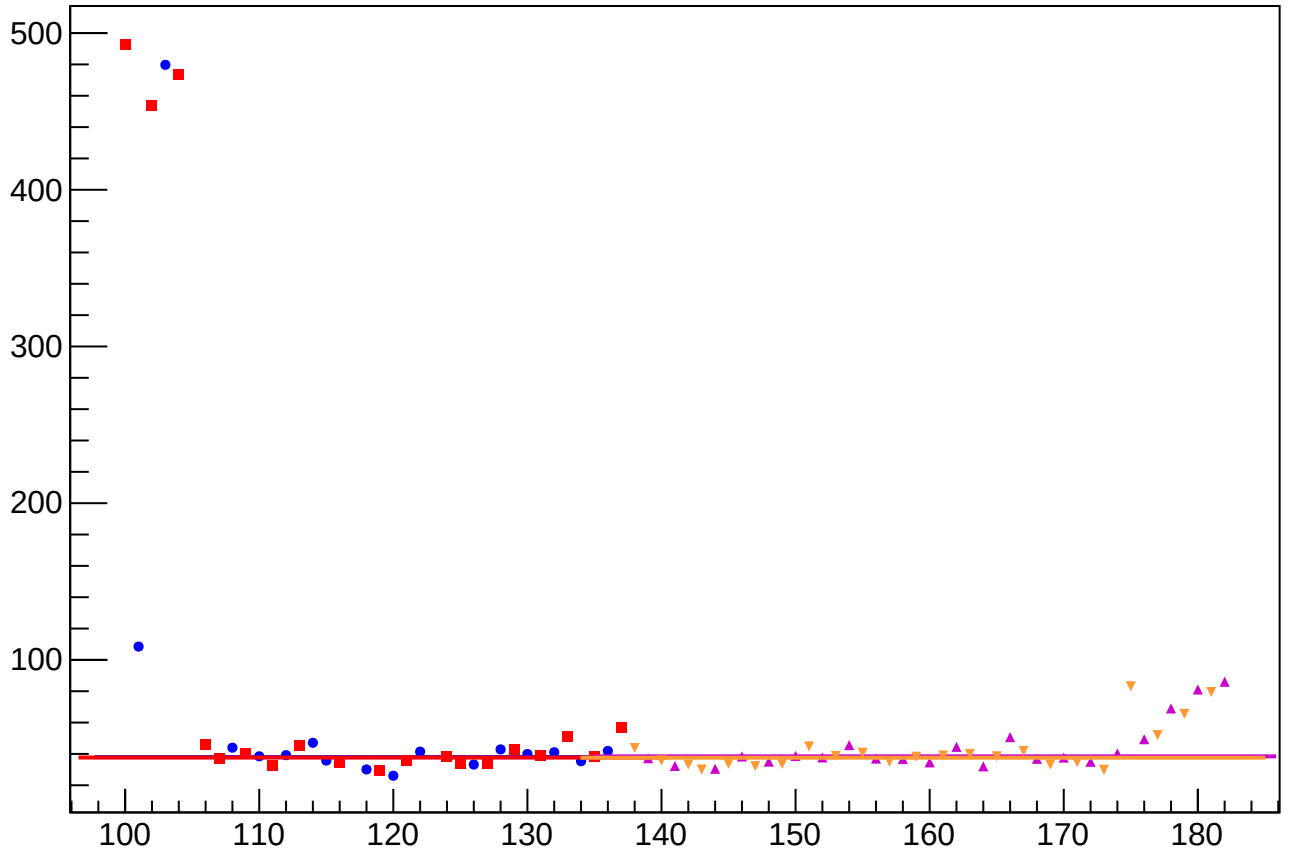
Left: -0.000+/-0.007 χ^2/NDF: 56.7/44

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.2/37

Out: 0.006+/-0.008 χ^2/NDF:51.8/41

All: 0.002+/-0.006 χ^2/NDF: 94.4/79



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 37.571+/-0.007 χ^2/NDF:1585558.7/22

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 38.445+/-0.007 χ^2/NDF:1584139.0/21

Left: 37.996+/-0.005 χ^2/NDF: 3177649.5/44

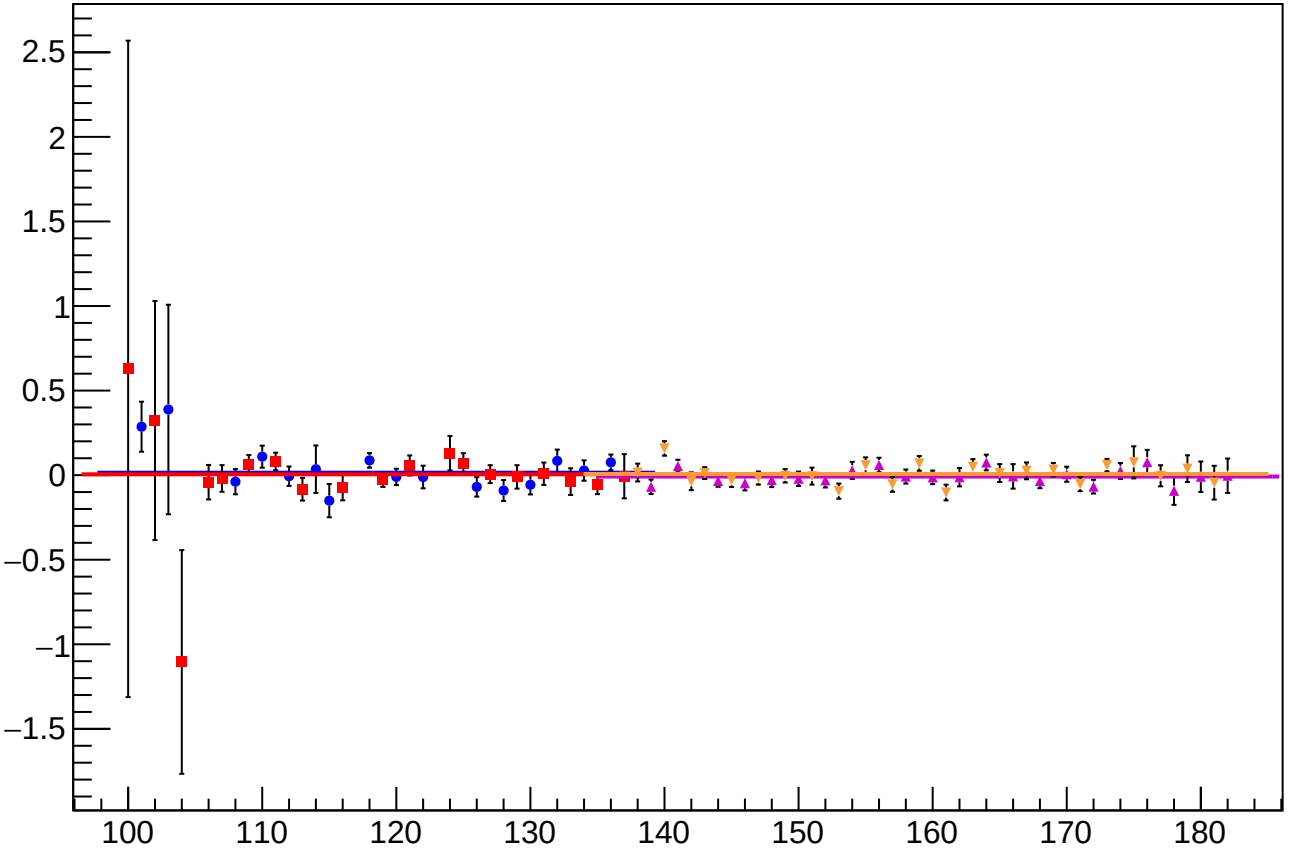
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 38.304+/-0.006 χ^2/NDF:3325244.8/37

Out: 37.604+/-0.006 χ^2/NDF:3530529.7/41

All: 37.948+/-0.004 χ^2/NDF: 6862792.6/79

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: 0.007+/-0.010 χ^2/NDF:36.9/22

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/21

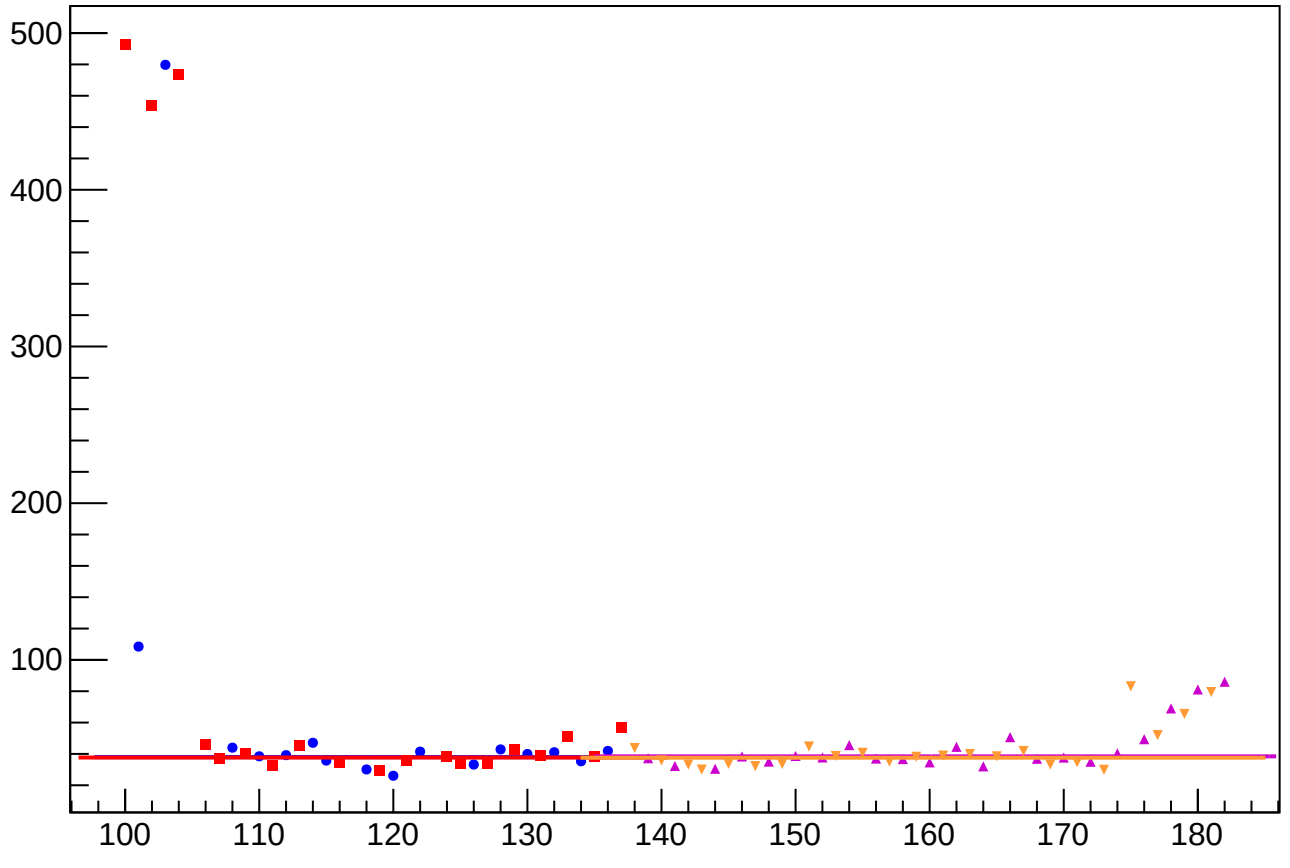
Left: -0.000+/-0.007 χ^2/NDF: 56.7/44

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.2/37

Out: 0.006+/-0.008 χ^2/NDF:51.8/41

All: 0.002+/-0.006 χ^2/NDF: 94.4/79



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 37.571+/-0.007 χ^2/NDF:1585558.7/22

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 38.445+/-0.007 χ^2/NDF:1584139.0/21

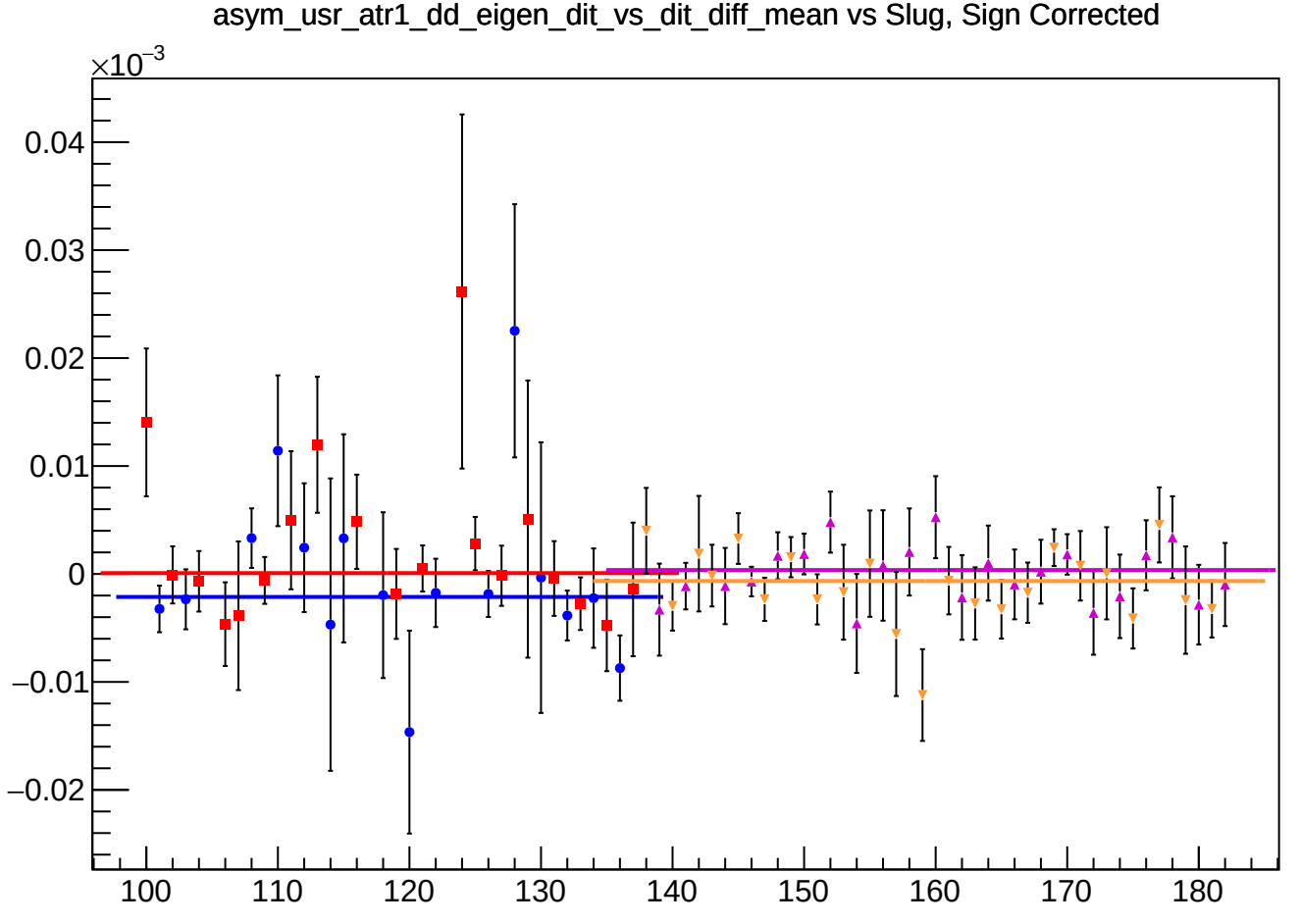
Left: 37.996+/-0.005 χ^2/NDF: 3177649.5/44

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 38.304+/-0.006 χ^2/NDF:3325244.8/37

Out: 37.604+/-0.006 χ^2/NDF:3530529.7/41

All: 37.948+/-0.004 χ^2/NDF: 6862792.6/79



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/21

Left: -0.000+/-0.000 χ^2/NDF: 39.3/44

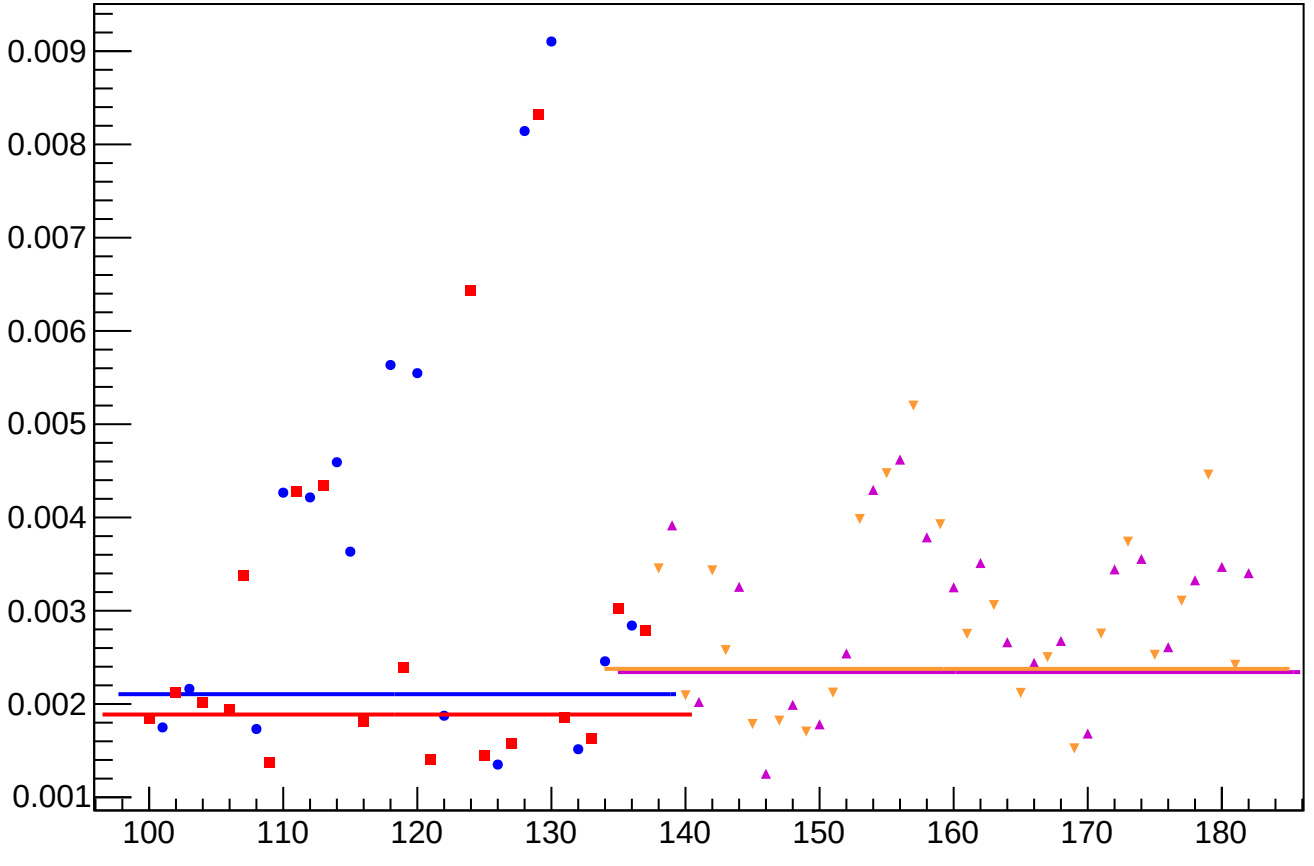
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:38.6/37

Out: -0.000+/-0.000 χ^2/NDF:44.0/41

All: -0.000+/-0.000 χ^2/NDF: 82.5/79

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:3519987.8/22

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:4402733.3/21

Left: 0.002+/-0.000 χ^2/NDF: 7926097.9/44

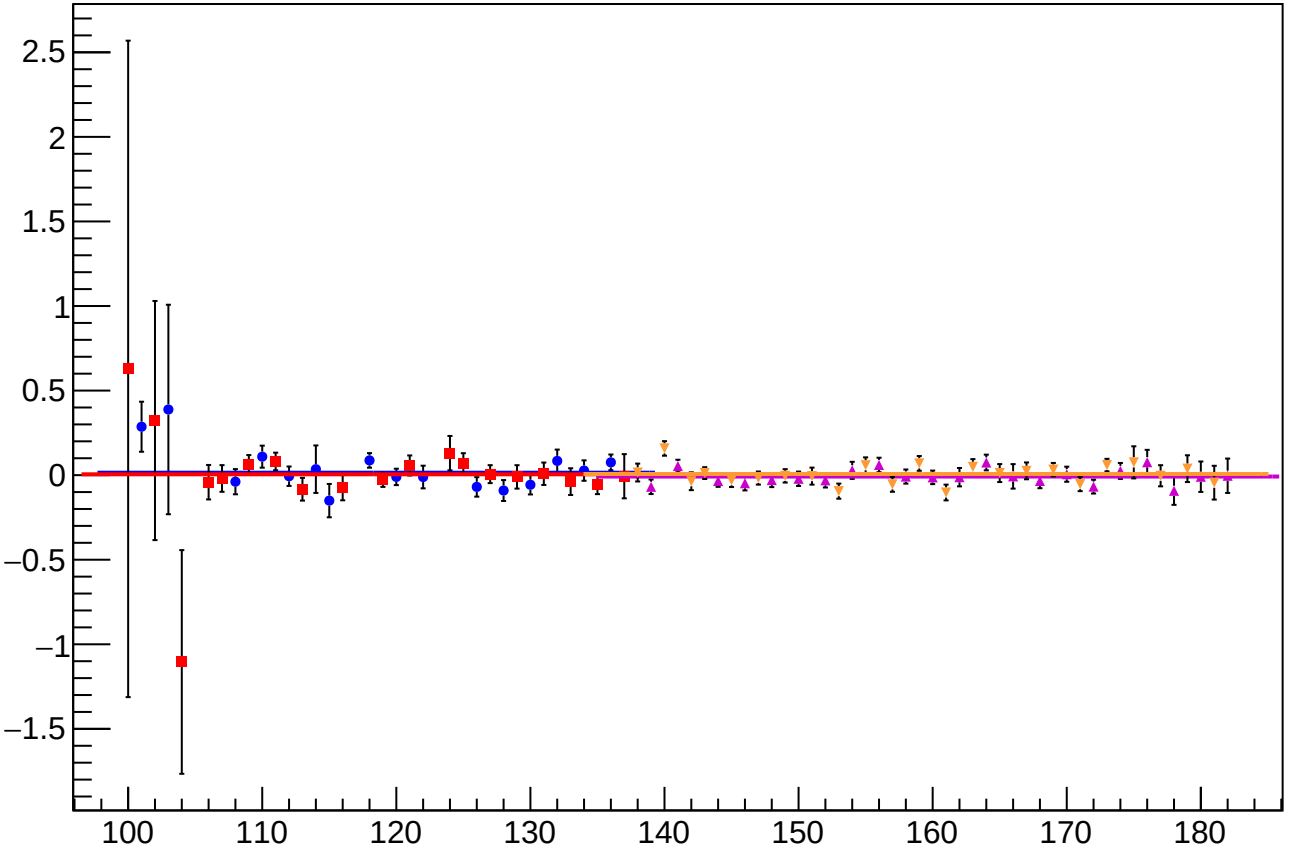
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:7517054.5/37

Out: 0.002+/-0.000 χ^2/NDF:5903714.1/41

All: 0.002+/-0.000 χ^2/NDF: 13441150.0/79

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.9/22

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/21

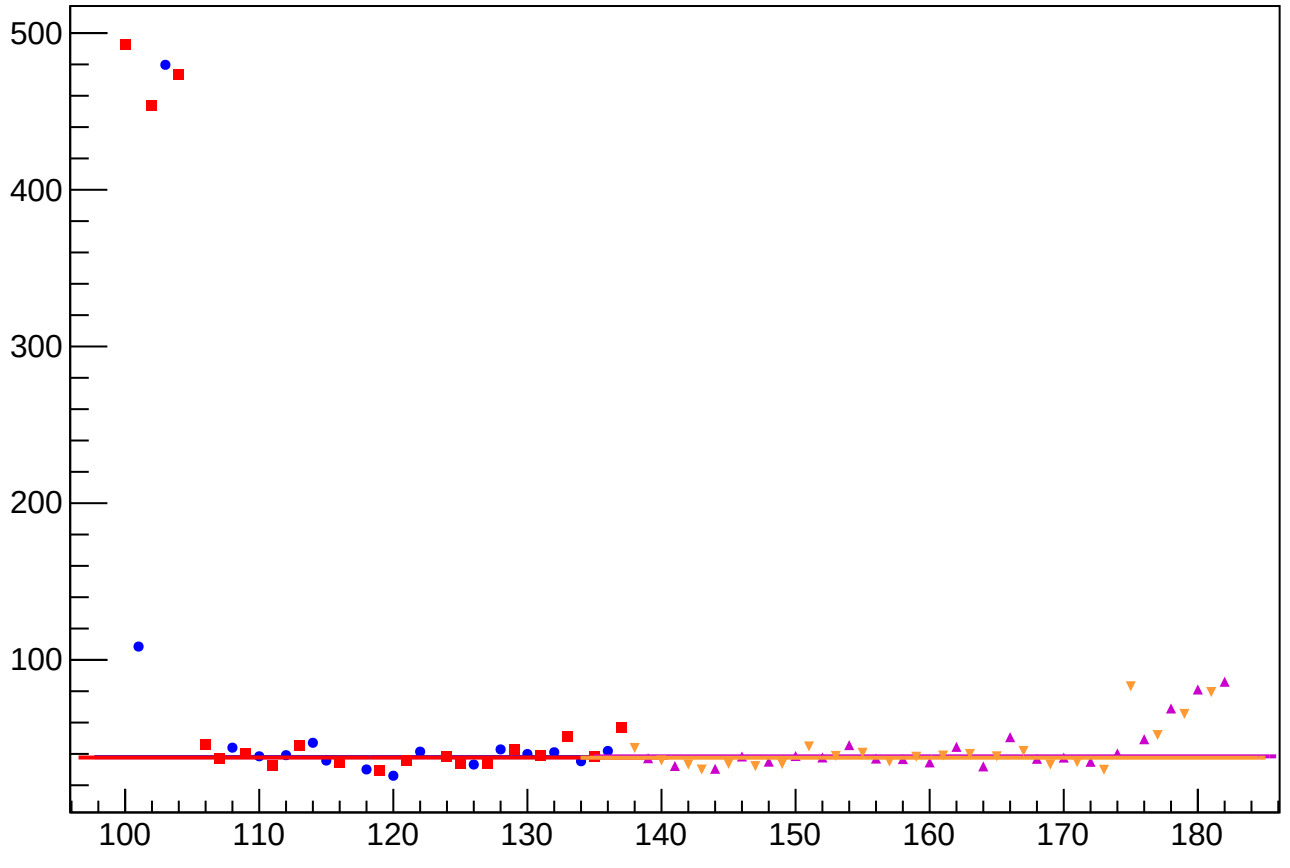
Left: -0.000+/-0.007 χ^2/NDF: 56.7/44

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.2/37

Out: 0.006+/-0.008 χ^2/NDF:51.8/41

All: 0.002+/-0.006 χ^2/NDF: 94.4/79



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 37.570+/-0.007 χ^2/NDF:1585571.1/22

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 38.445+/-0.007 χ^2/NDF:1584170.4/21

Left: 37.996+/-0.005 χ^2/NDF: 3177689.7/44

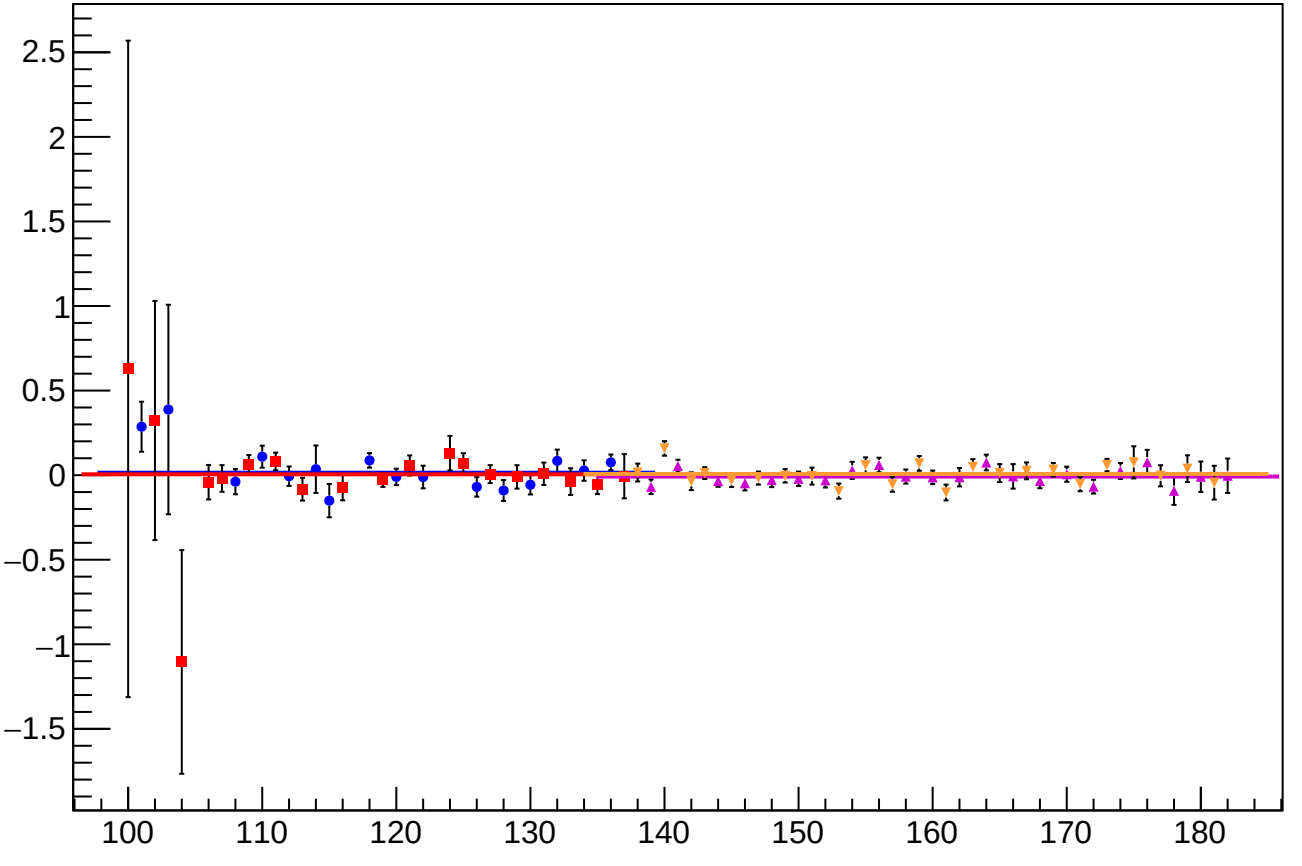
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 38.304+/-0.006 χ^2/NDF:3325289.2/37

Out: 37.604+/-0.006 χ^2/NDF:3530617.9/41

All: 37.948+/-0.004 χ^2/NDF: 6862925.9/79

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.9/22

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/21

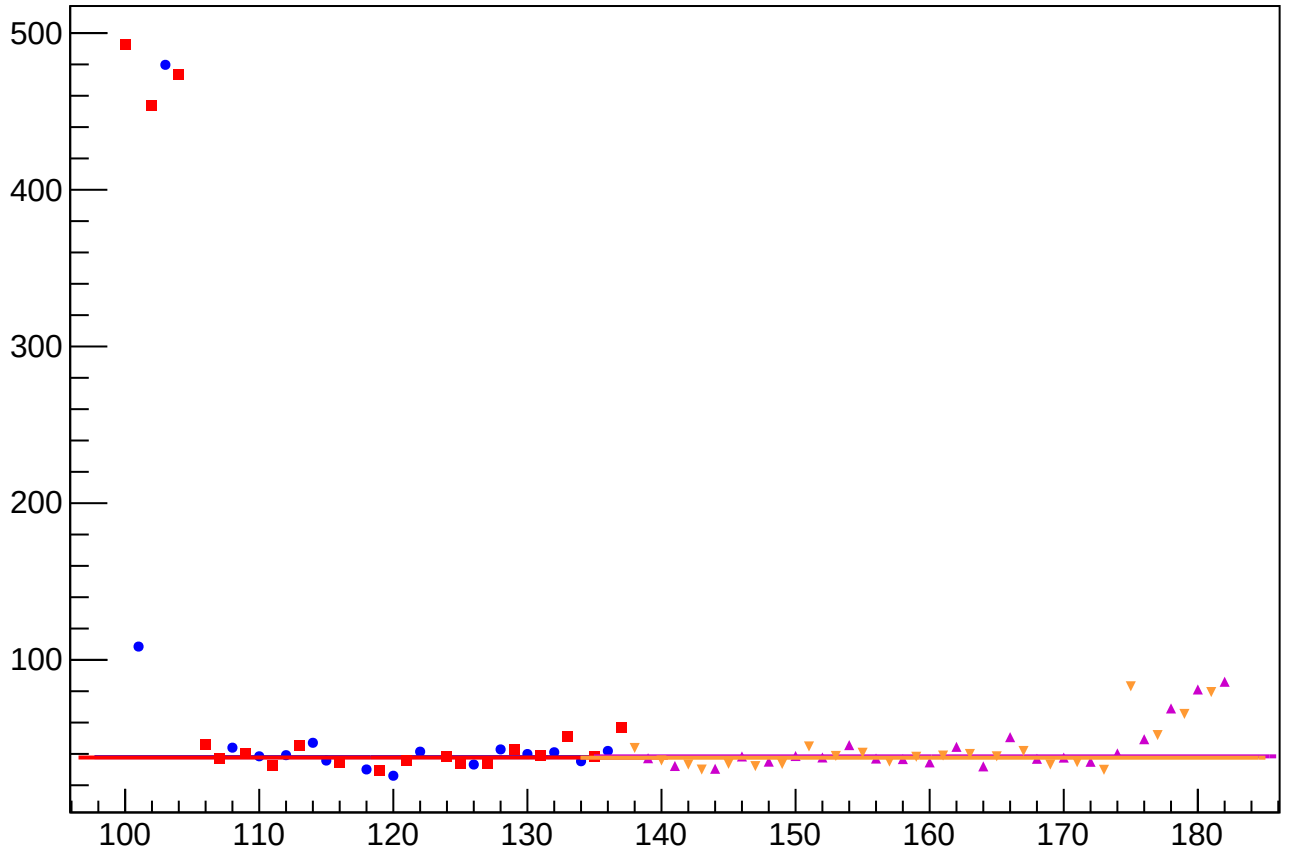
Left: -0.000+/-0.007 χ^2/NDF: 56.7/44

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.2/37

Out: 0.006+/-0.008 χ^2/NDF:51.8/41

All: 0.002+/-0.006 χ^2/NDF: 94.4/79



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 37.570+/-0.007 χ^2/NDF:1585571.1/22

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 38.445+/-0.007 χ^2/NDF:1584170.4/21

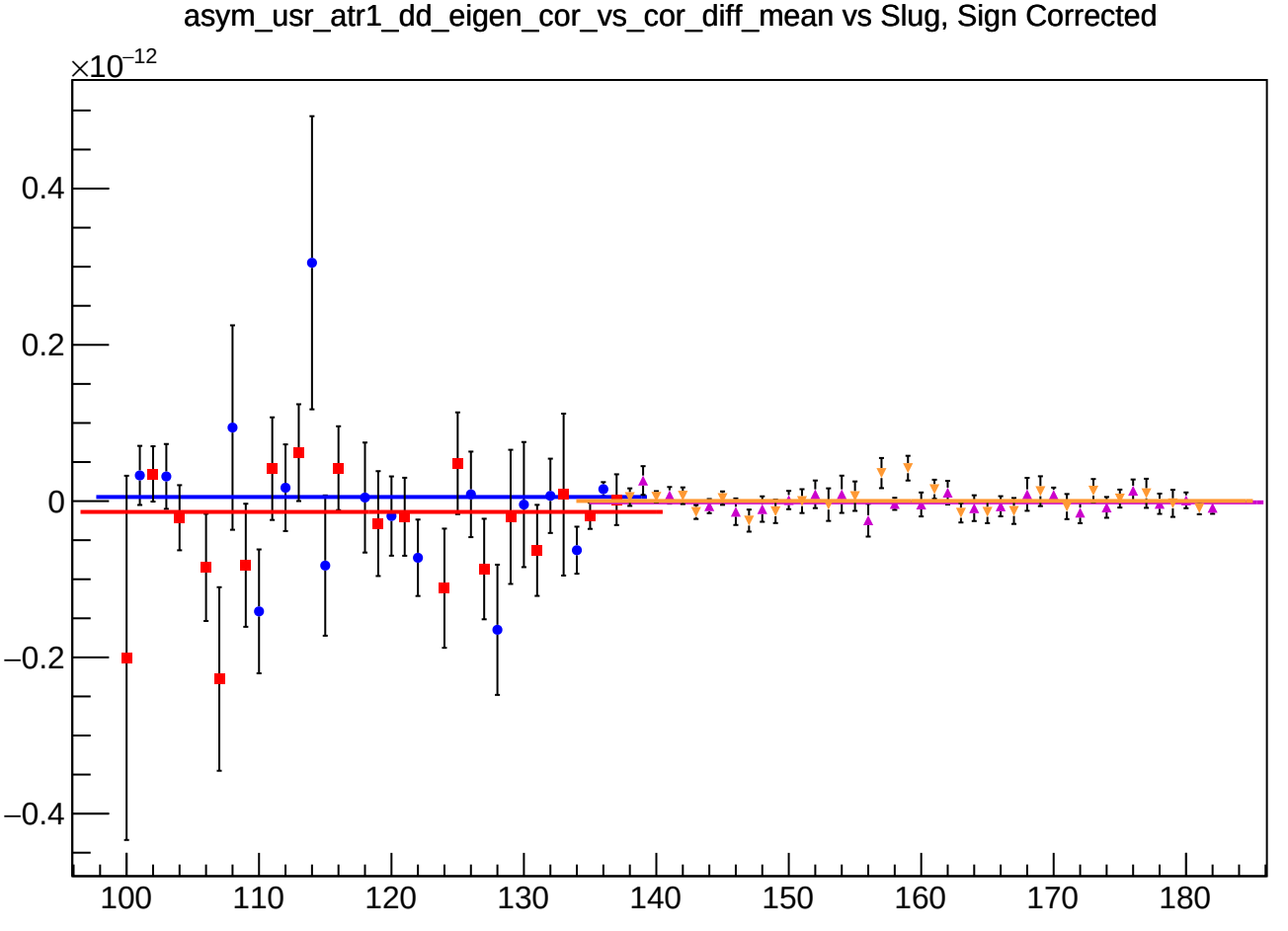
Left: 37.996+/-0.005 χ^2/NDF: 3177689.7/44

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 38.304+/-0.006 χ^2/NDF:3325289.2/37

Out: 37.604+/-0.006 χ^2/NDF:3530617.9/41

All: 37.948+/-0.004 χ^2/NDF: 6862925.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/22

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

Left In: -0.000+/-0.000 χ^2/NDF:11.4/21

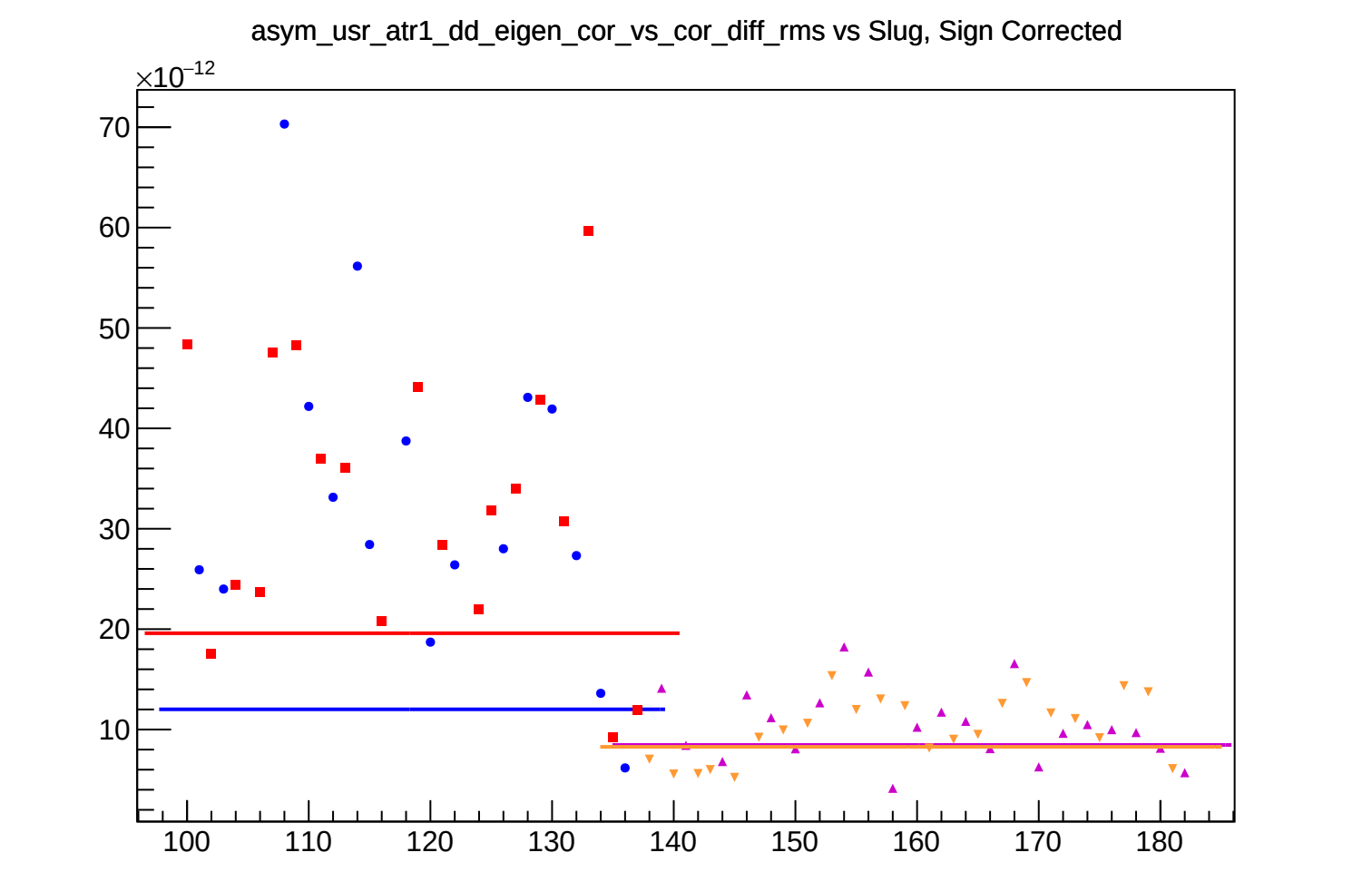
Left: -0.000+/-0.000 χ^2/NDF: 37.7/44

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:33.8/37

Out: -0.000+/-0.000 χ^2/NDF:43.7/41

All: -0.000+/-0.000 χ^2/NDF: 77.5/79



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2572139.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2726673.1/21

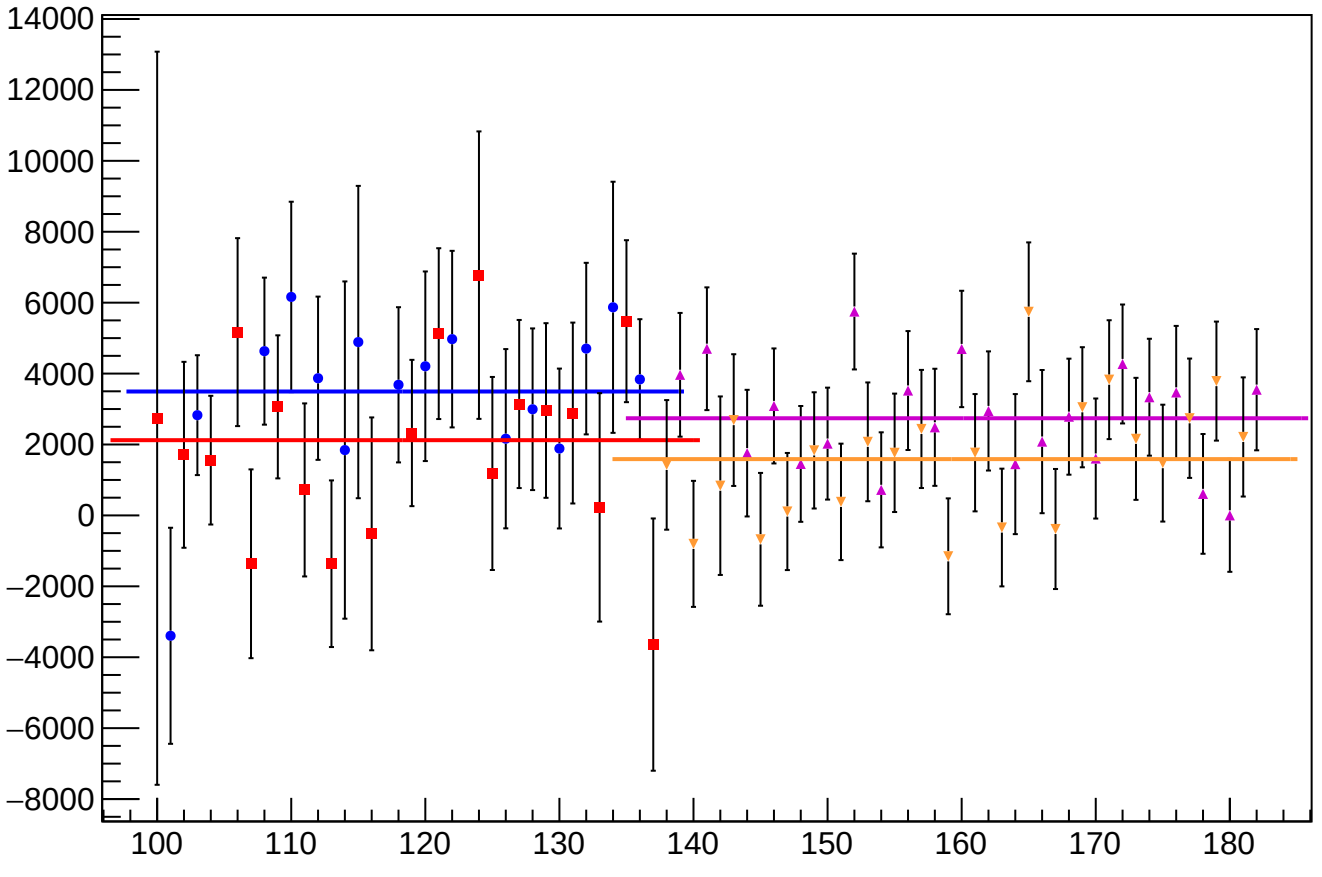
Left: 0.000+/-0.000 χ^2/NDF: 5304011.9/44

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:6988569.9/37

Out: 0.000+/-0.000 χ^2/NDF:7359071.3/41

All: 0.000+/-0.000 χ^2/NDF: 14348276.8/79



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1587.649+/-359.938 χ^2/NDF:20.4/22

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2740.009+/-361.464 χ^2/NDF:16.4/21

Left: 2161.392+/-255.052 χ^2/NDF: 42.0/44

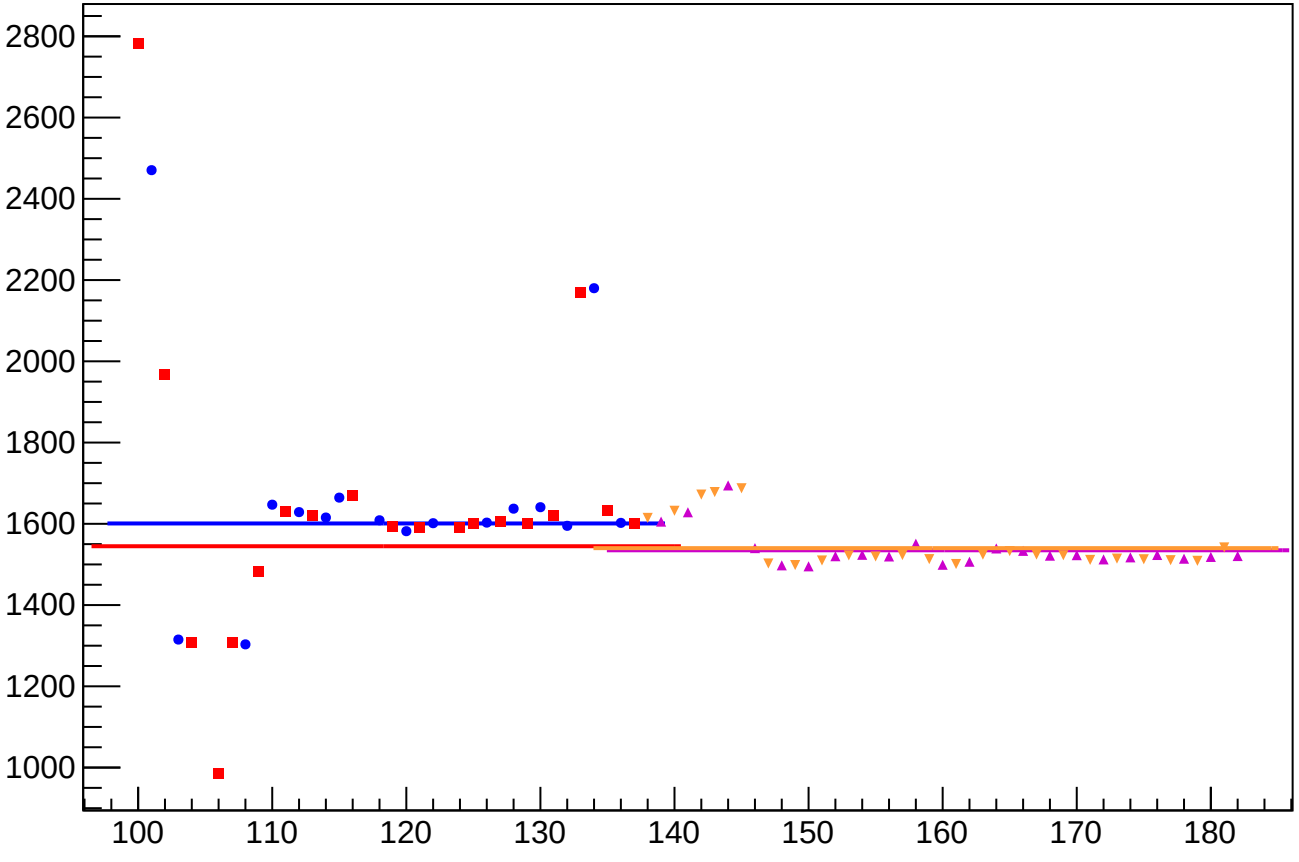
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 2940.308+/-309.781 χ^2/NDF:26.4/37

Out: 1733.361+/-306.933 χ^2/NDF:36.1/41

All: 2331.261+/-218.034 χ^2/NDF: 70.2/79

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1540.112+/-0.255 χ^2/NDF:46524.1/22

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1534.862+/-0.256 χ^2/NDF:31063.8/21

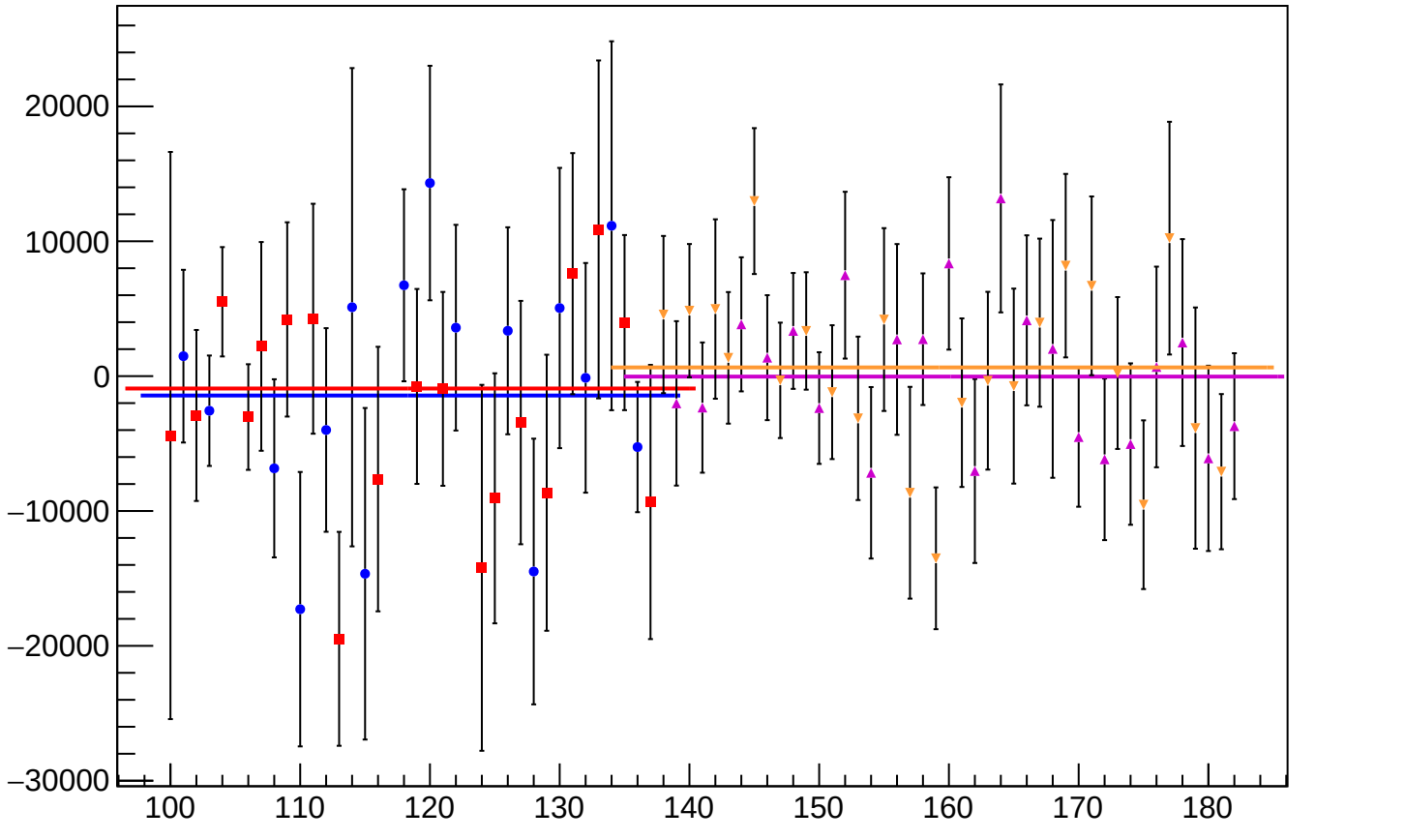
Left: 1537.498+/-0.180 χ^2/NDF: 77799.7/44

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1552.391+/-0.219 χ^2/NDF:366191.5/37

Out: 1541.425+/-0.216 χ^2/NDF:422746.7/41

All: 1546.832+/-0.154 χ^2/NDF: 790208.7/79



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 646.142+/-1221.985 χ^2/NDF:25.2/22

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: -35.226+/-1229.035 χ^2/NDF:14.7/21

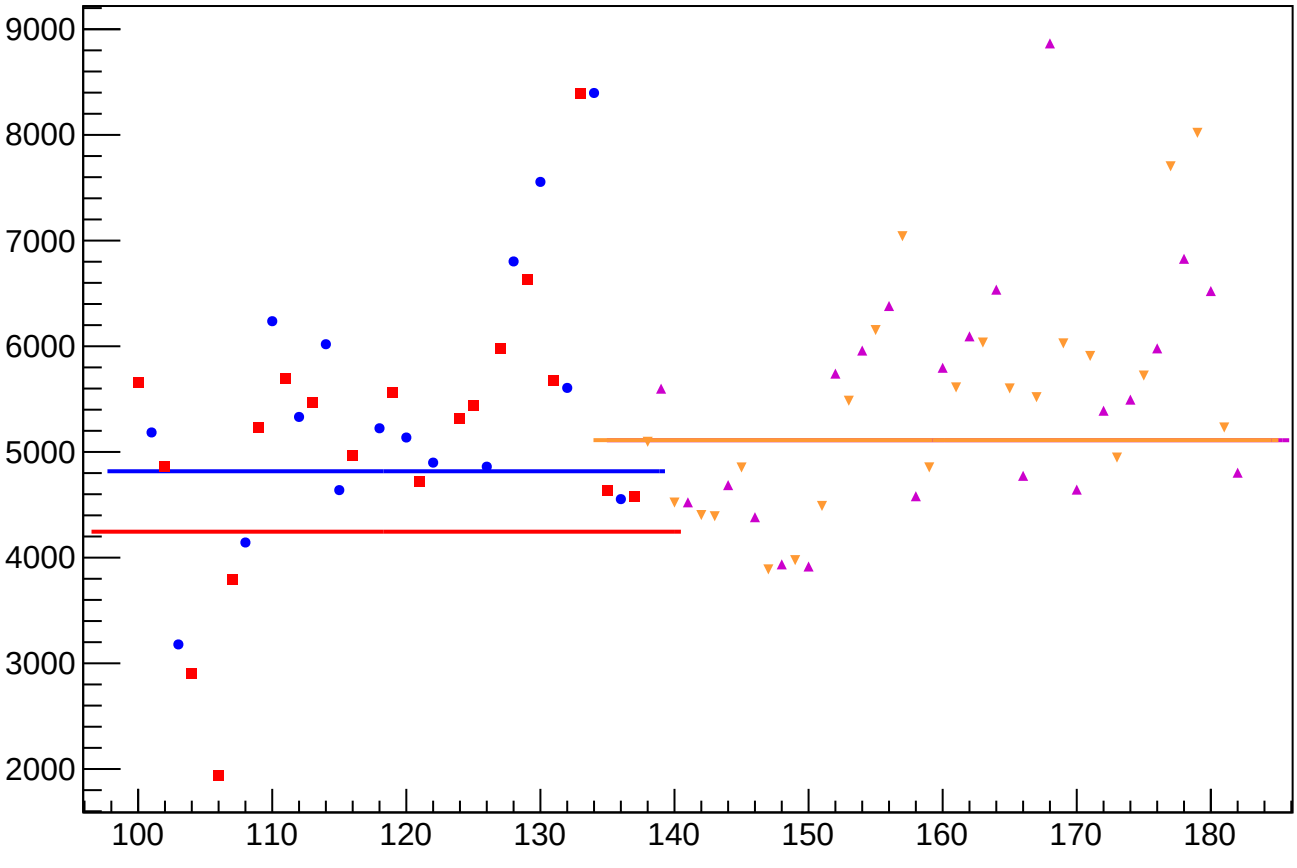
Left: 307.418+/-866.556 χ^2/NDF: 40.1/44

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -465.047+/-1023.425 χ^2/NDF:29.0/37

Out: 100.226+/-986.021 χ^2/NDF:41.2/41

All: -171.892+/-710.077 χ^2/NDF: 70.3/79



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 5111.722+/-0.864 χ^2/NDF:1158973.9/22

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 5110.871+/-0.869 χ^2/NDF:1250186.2/21

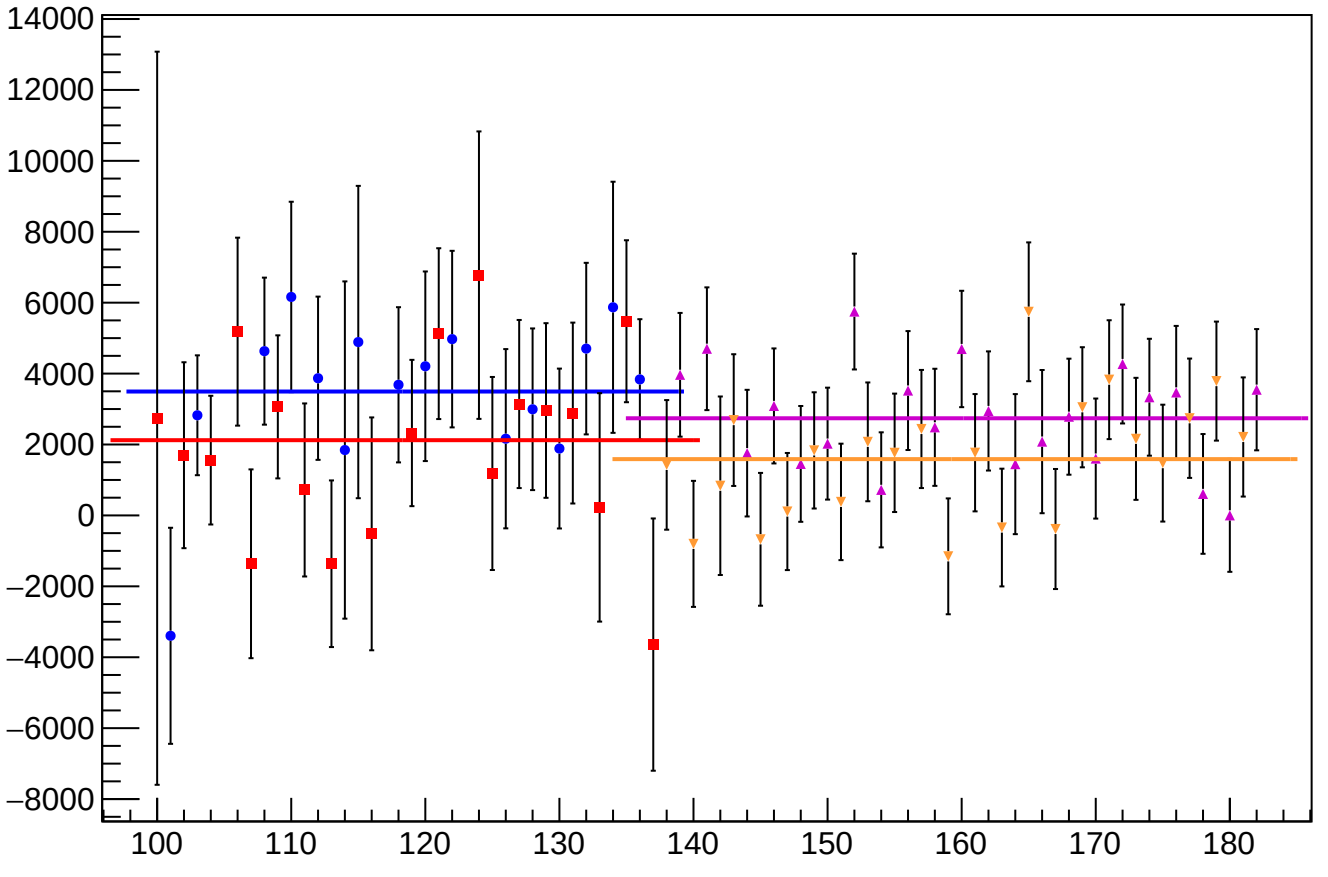
Left: 5111.299+/-0.613 χ^2/NDF: 2409160.6/44

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 5020.875+/-0.724 χ^2/NDF:2080593.4/37

Out: 4809.499+/-0.697 χ^2/NDF:3192754.2/41

All: 4911.254+/-0.502 χ^2/NDF: 5317593.1/79



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1587.537+/-359.938 χ^2/NDF:20.4/22

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2739.928+/-361.464 χ^2/NDF:16.4/21

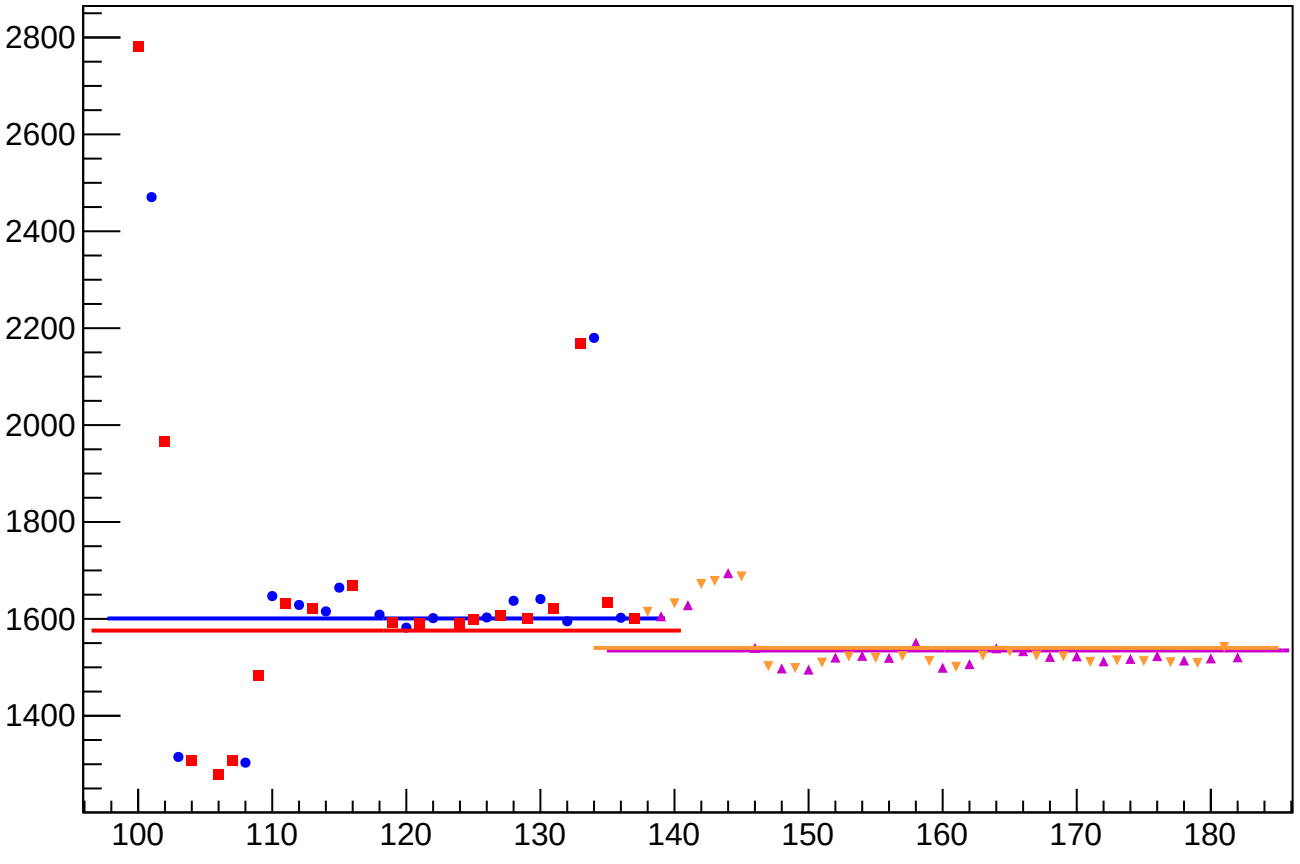
Left: 2161.295+/-255.052 χ^2/NDF: 42.0/44

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 2940.160+/-309.781 χ^2/NDF:26.4/37

Out: 1733.277+/-306.934 χ^2/NDF:36.1/41

All: 2331.146+/-218.035 χ^2/NDF: 70.2/79



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1540.112+/-0.255 χ^2/NDF:46524.1/22

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1534.862+/-0.256 χ^2/NDF:31063.8/21

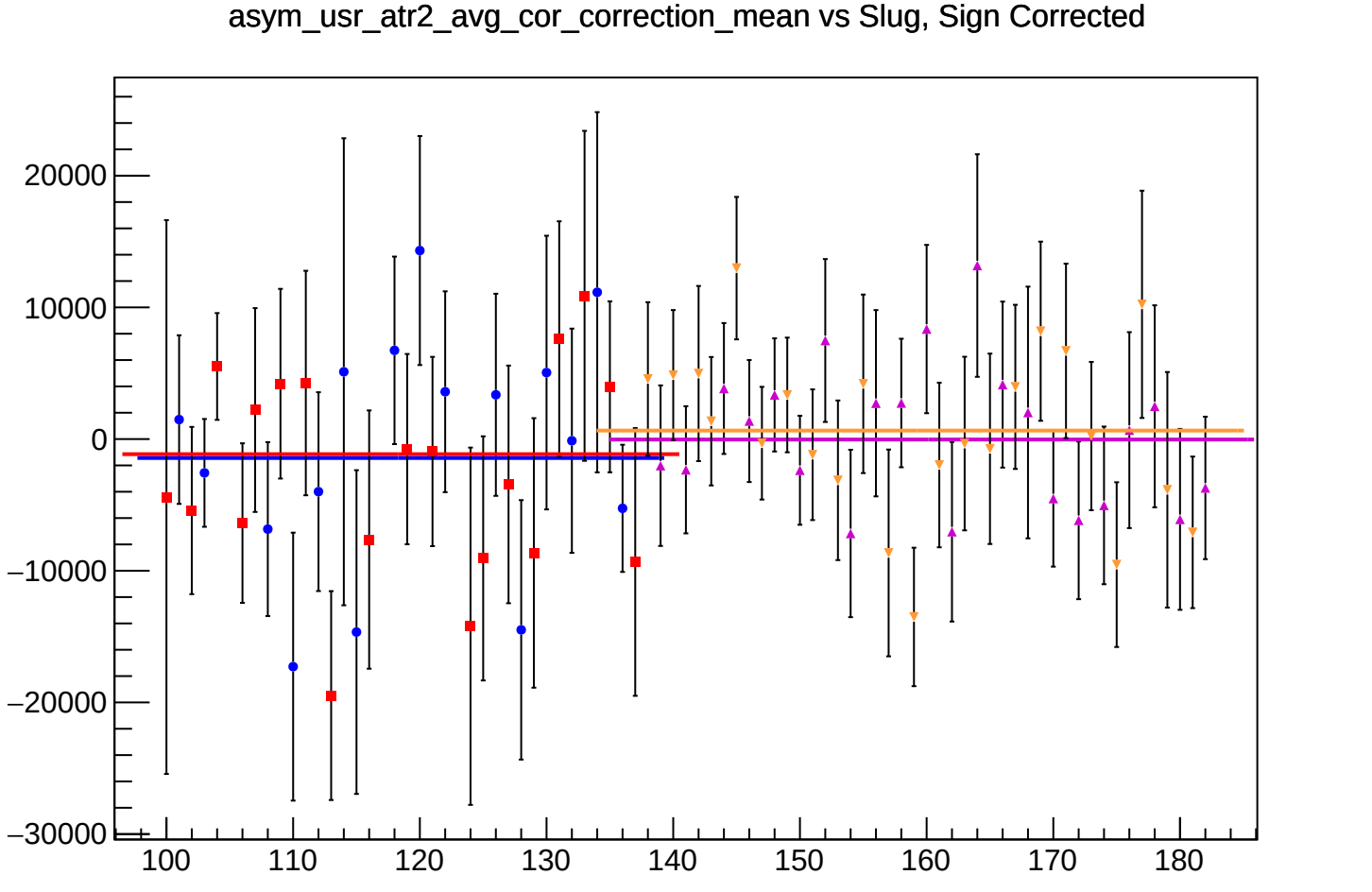
Left: 1537.498+/-0.180 χ^2/NDF: 77799.7/44

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1552.391+/-0.219 χ^2/NDF:366190.8/37

Out: 1549.932+/-0.217 χ^2/NDF:295281.6/41

All: 1551.149+/-0.154 χ^2/NDF: 661536.0/79



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 646.134+/-1221.983 χ^2/NDF:25.2/22

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -35.227+/-1229.035 χ^2/NDF:14.7/21

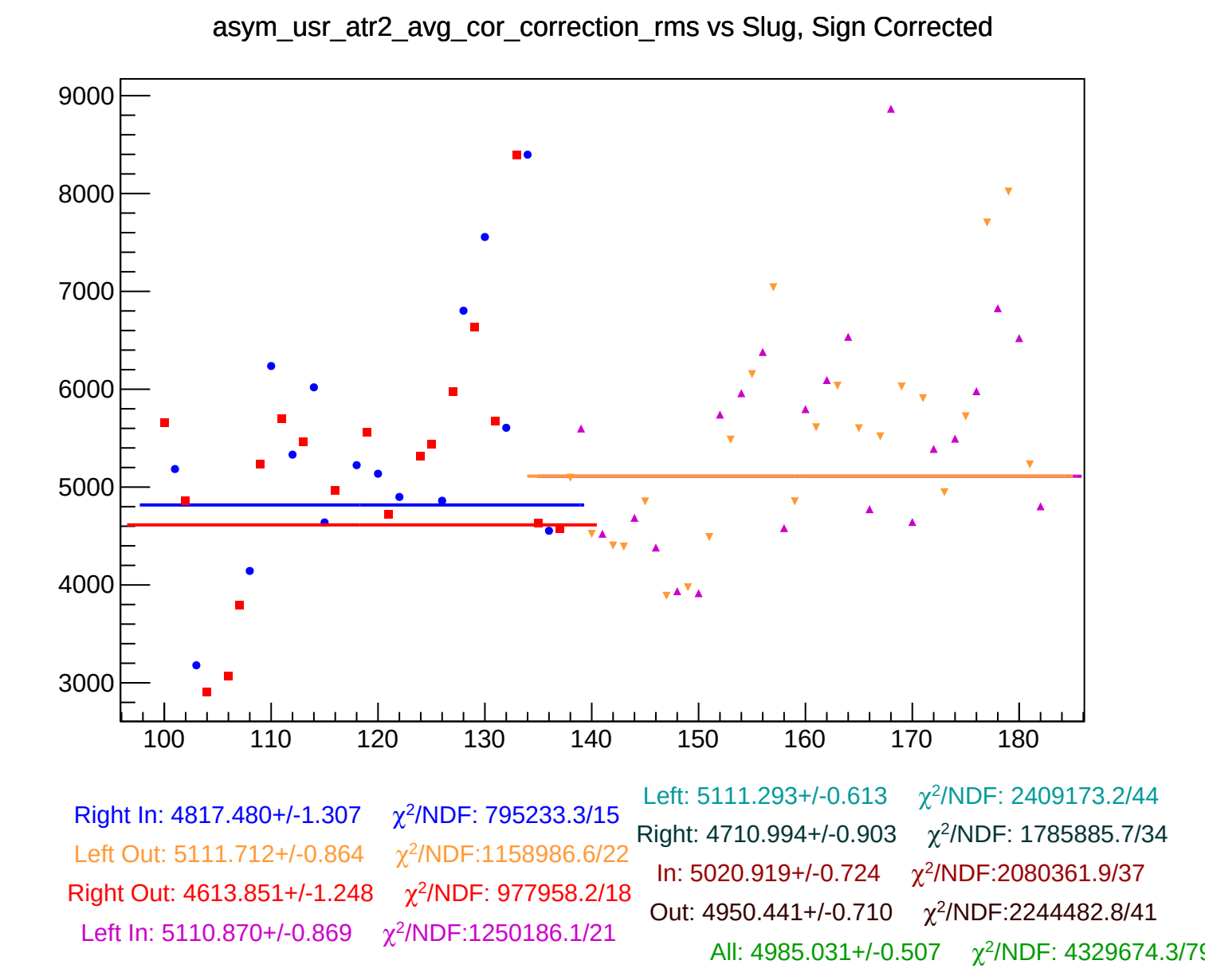
Left: 307.414+/-866.555 χ^2/NDF: 40.1/44

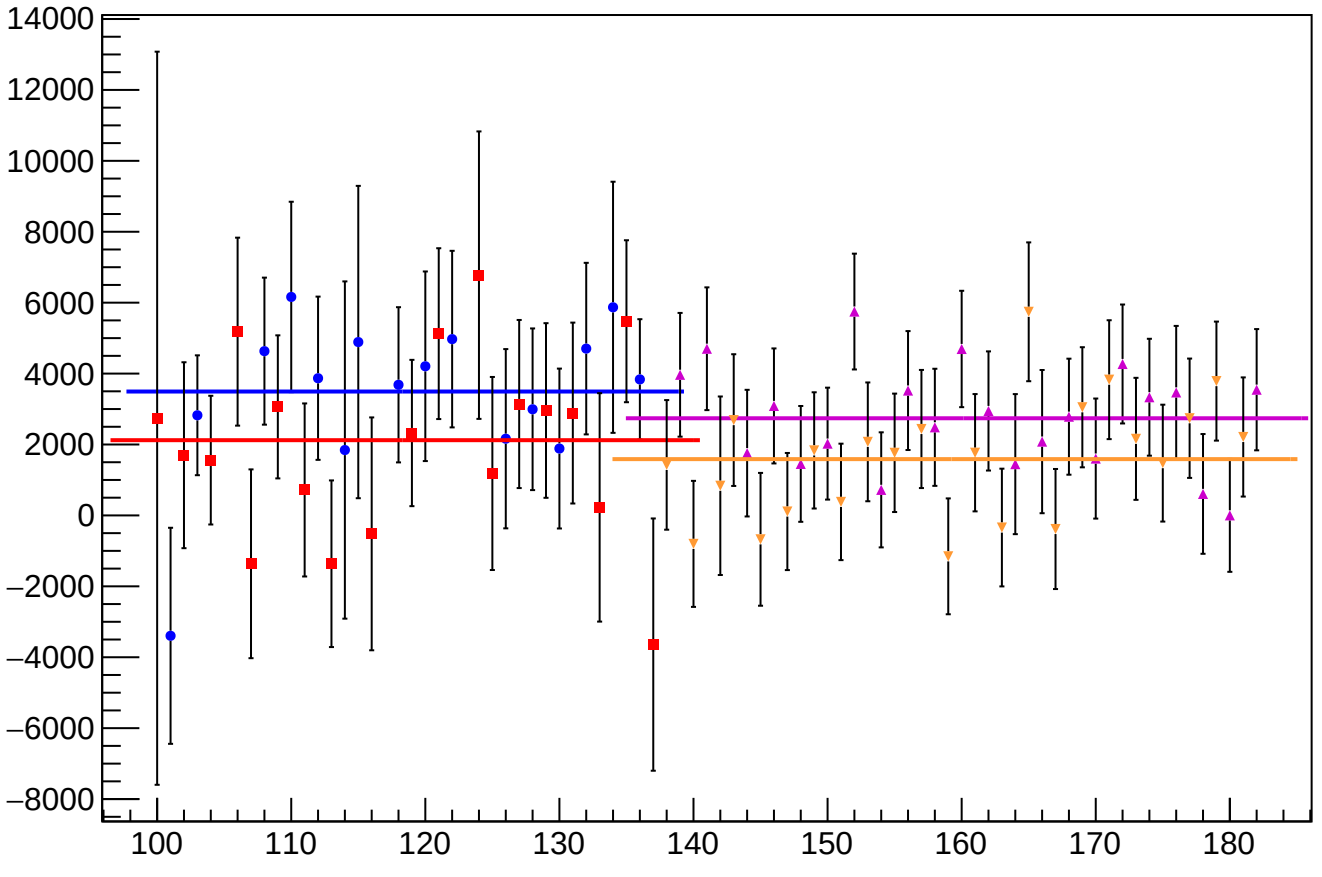
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -465.111+/-1023.431 χ^2/NDF:29.0/37

Out: 65.558+/-1004.760 χ^2/NDF:42.2/41

All: -194.891+/-716.983 χ^2/NDF: 71.3/79


asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
Right In: 4817.480+/-1.307 χ²/NDF: 795233.3/15
Left Out: 5111.712+/-0.864 χ²/NDF:1158986.6/22
Right Out: 4613.851+/-1.248 χ²/NDF: 977958.2/18
Left In: 5110.870+/-0.869 χ²/NDF:1250186.1/21
Left: 5111.293+/-0.613 χ²/NDF: 2409173.2/44
Right: 4710.994+/-0.903 χ²/NDF: 1785885.7/34
In: 5020.919+/-0.724 χ²/NDF:2080361.9/37
Out: 4950.441+/-0.710 χ²/NDF:2244482.8/41
All: 4985.031+/-0.507 χ²/NDF: 4329674.3/79



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1587.537+/-359.938 χ^2/NDF:20.4/22

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2739.928+/-361.464 χ^2/NDF:16.4/21

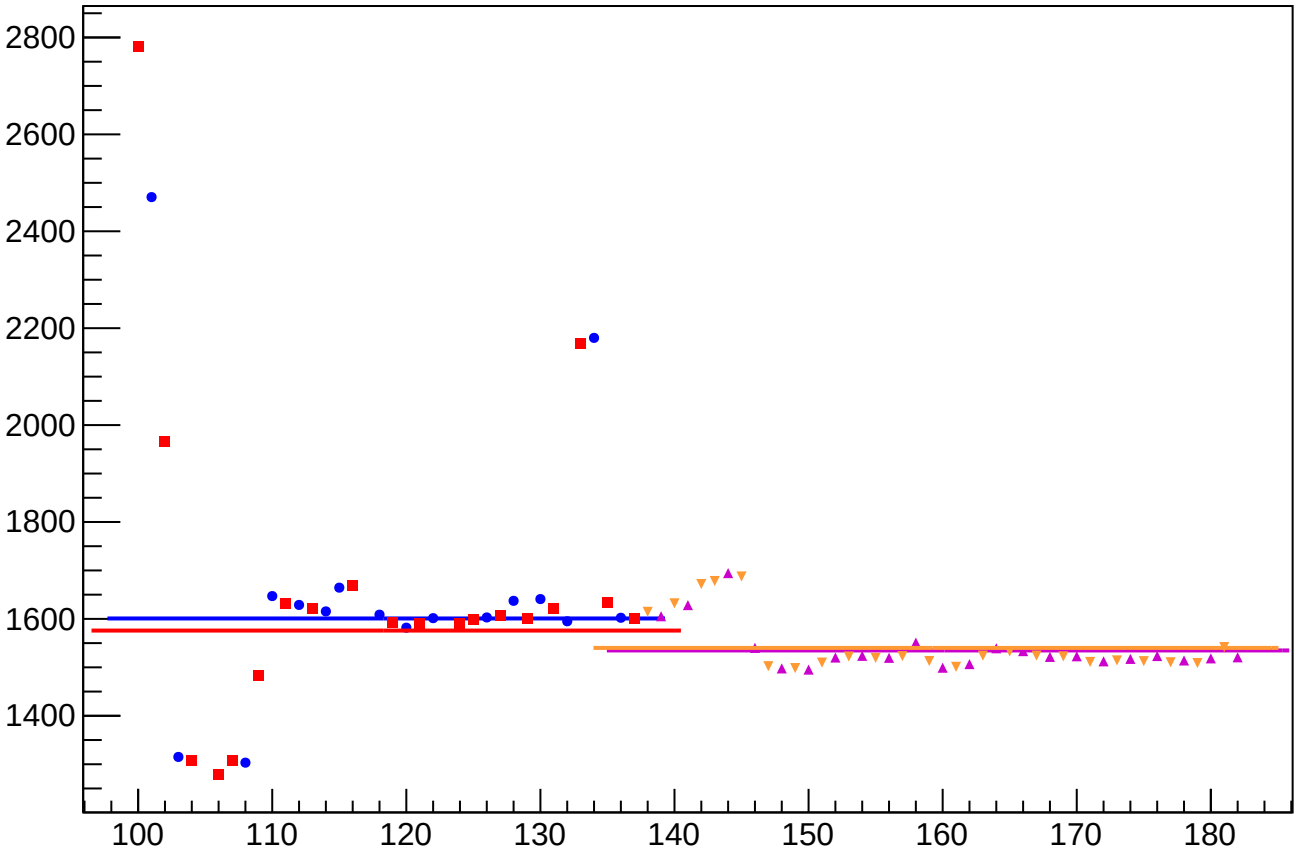
Left: 2161.295+/-255.052 χ^2/NDF: 42.0/44

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 2940.160+/-309.781 χ^2/NDF:26.4/37

Out: 1733.277+/-306.934 χ^2/NDF:36.1/41

All: 2331.146+/-218.035 χ^2/NDF: 70.2/79



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1540.112+/-0.255 χ^2/NDF:46524.1/22

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1534.862+/-0.256 χ^2/NDF:31063.8/21

Left: 1537.498+/-0.180 χ^2/NDF: 77799.7/44

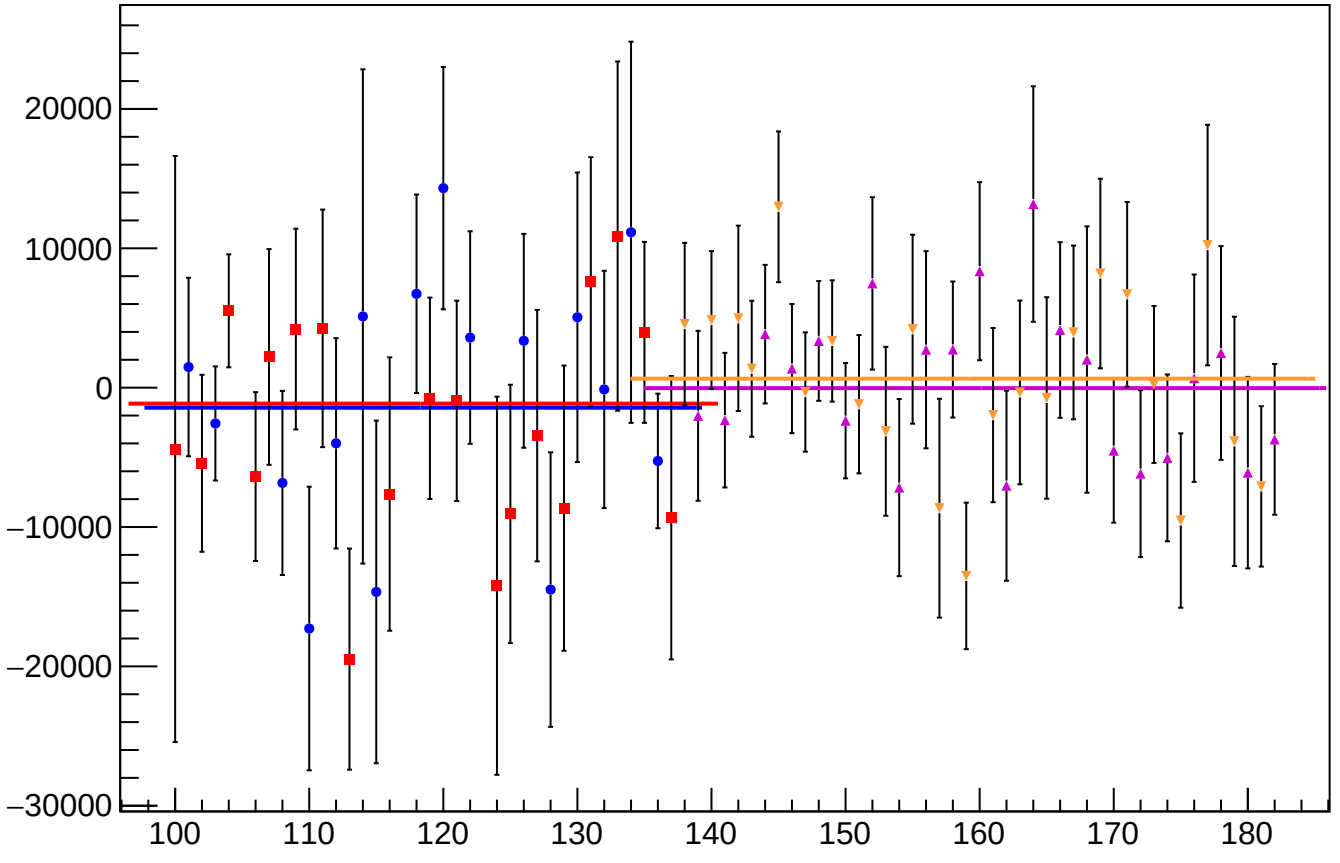
Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1552.391+/-0.219 χ^2/NDF:366190.8/37

Out: 1549.932+/-0.217 χ^2/NDF:295281.6/41

All: 1551.149+/-0.154 χ^2/NDF: 661536.0/79

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: 646.134+/-1221.983 χ^2/NDF:25.2/22

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -35.227+/-1229.035 χ^2/NDF:14.7/21

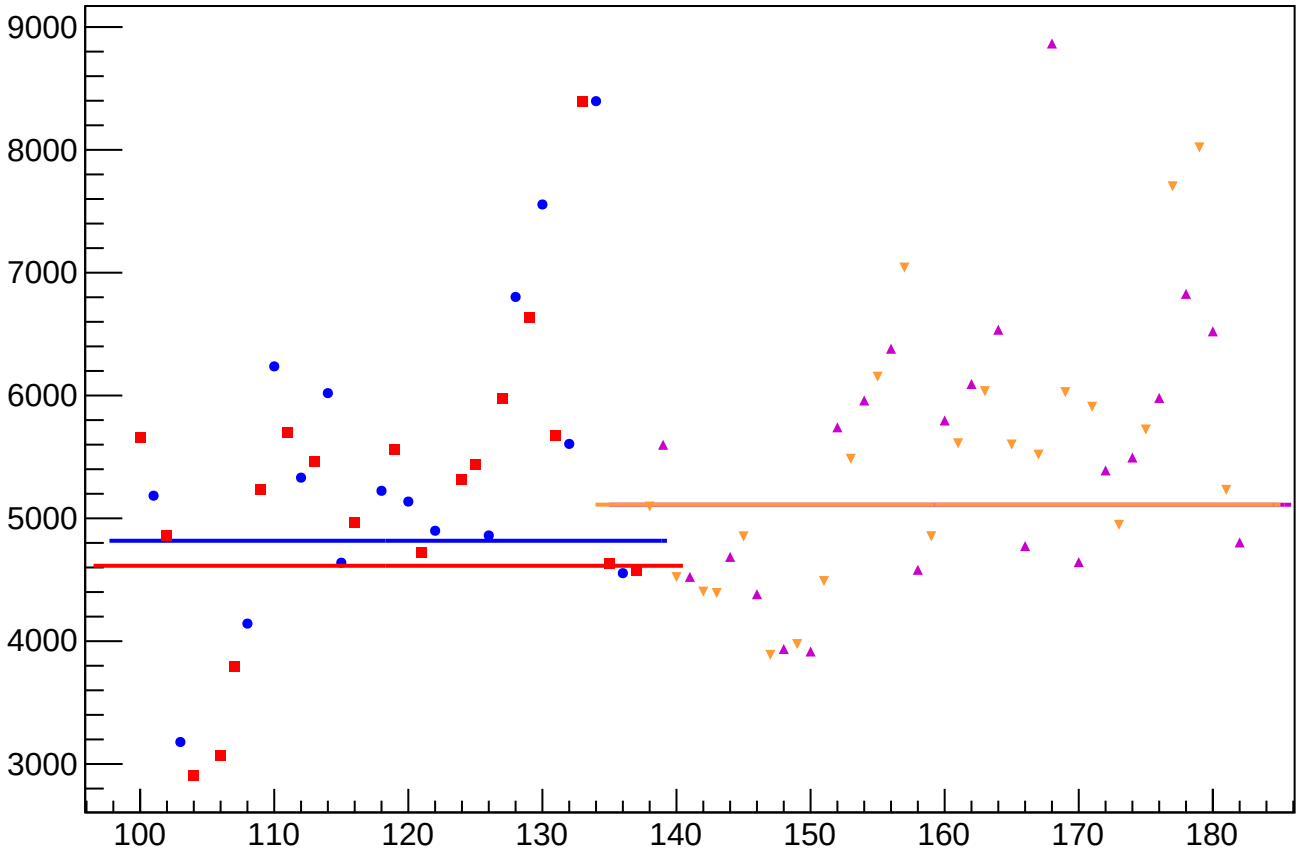
Left: 307.414+/-866.555 χ^2/NDF: 40.1/44

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -465.111+/-1023.431 χ^2/NDF:29.0/37

Out: 65.558+/-1004.760 χ^2/NDF:42.2/41

All: -194.891+/-716.983 χ^2/NDF: 71.3/79



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5111.712+/-0.864 χ^2/NDF:1158986.6/22

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5110.870+/-0.869 χ^2/NDF:1250186.1/21

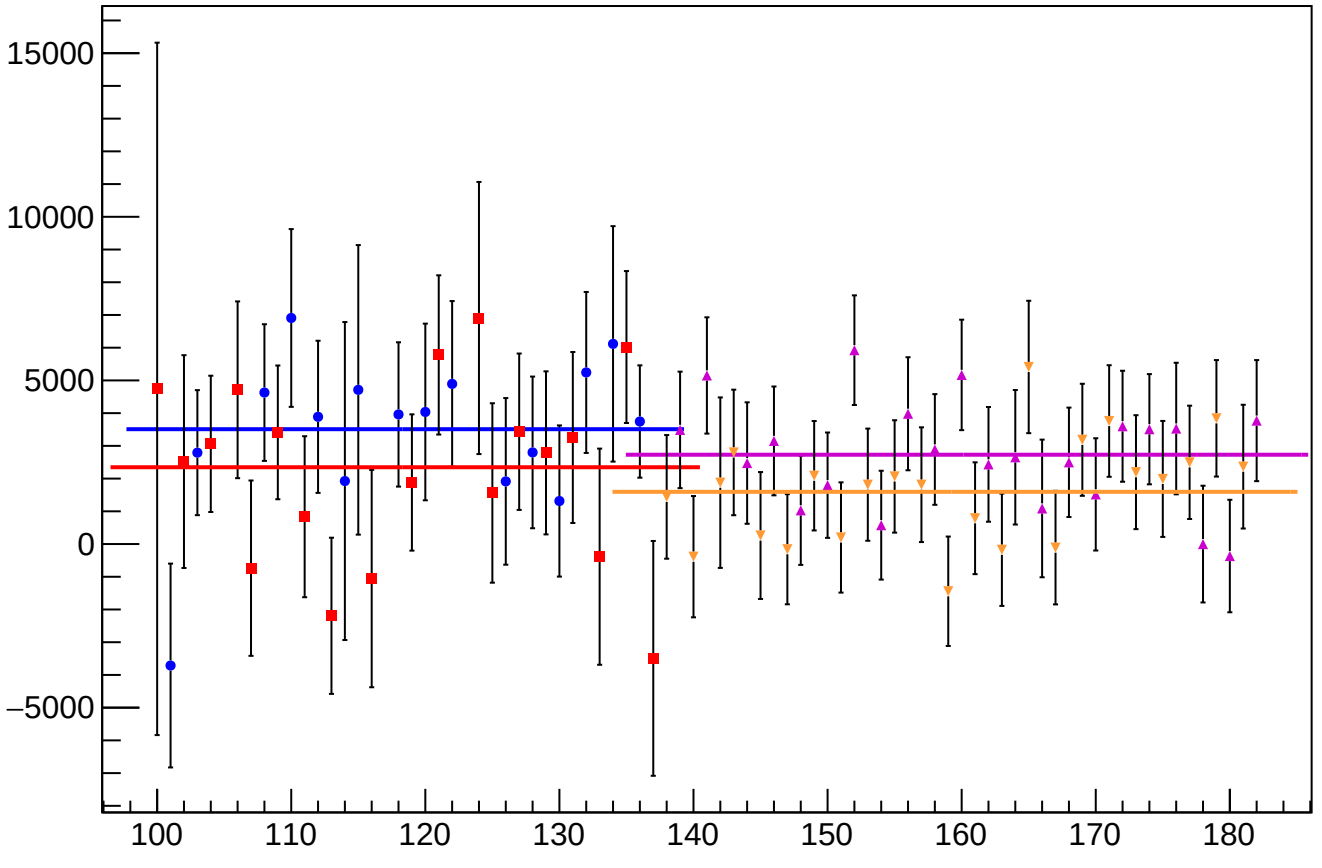
Left: 5111.293+/-0.613 χ^2/NDF: 2409173.2/44

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 5020.919+/-0.724 χ^2/NDF:2080361.9/37

Out: 4950.441+/-0.710 χ^2/NDF:2244482.8/41

All: 4985.031+/-0.507 χ^2/NDF: 4329674.3/79



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1595.507+/-372.585 χ^2/NDF:17.8/22

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 2729.380+/-373.660 χ^2/NDF:19.1/21

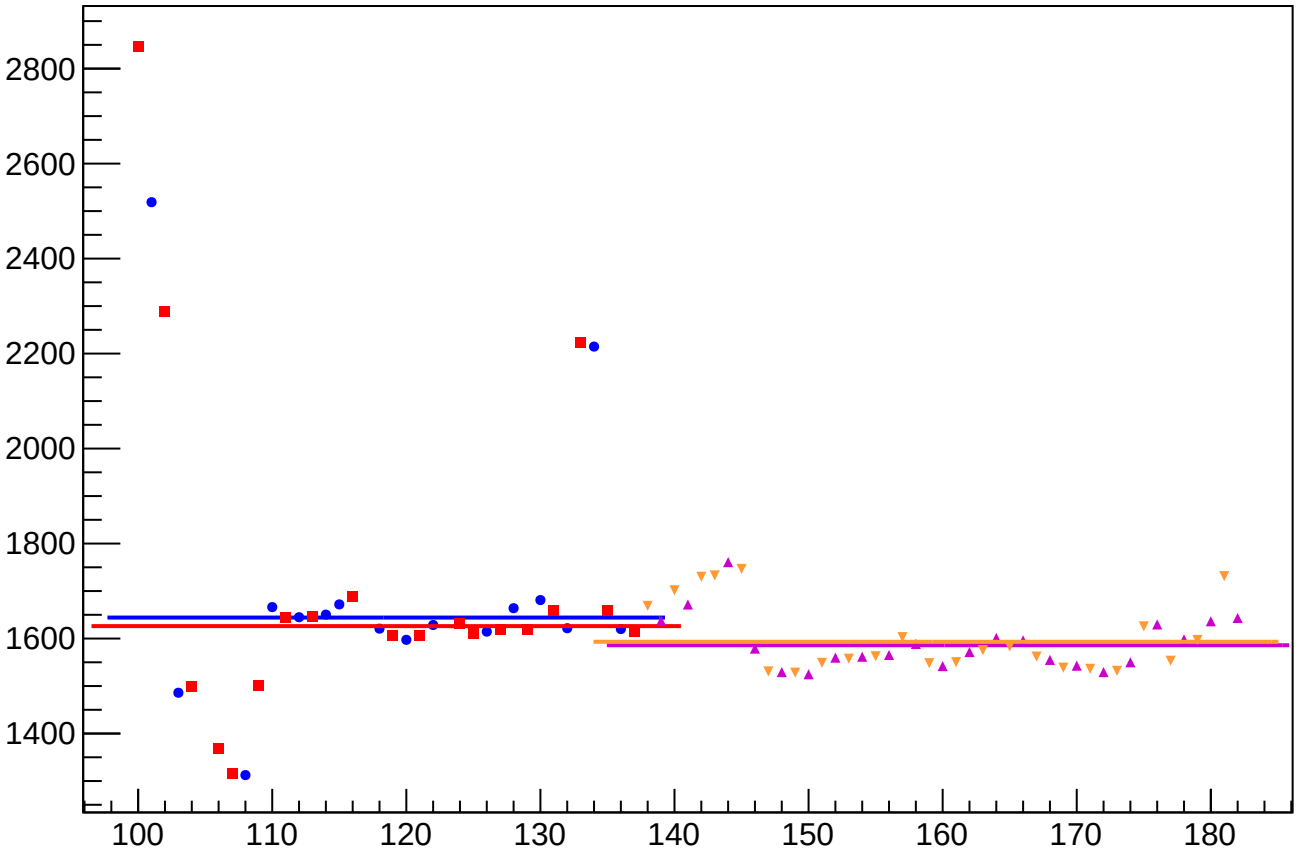
Left: 2160.809+/-263.837 χ^2/NDF: 41.5/44

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 2938.859+/-319.579 χ^2/NDF:30.7/37

Out: 1800.875+/-317.609 χ^2/NDF:36.0/41

All: 2366.349+/-225.277 χ^2/NDF: 73.1/79



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1593.224+/-0.263 χ^2/NDF:70196.6/22

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1585.950+/-0.264 χ^2/NDF:41914.4/21

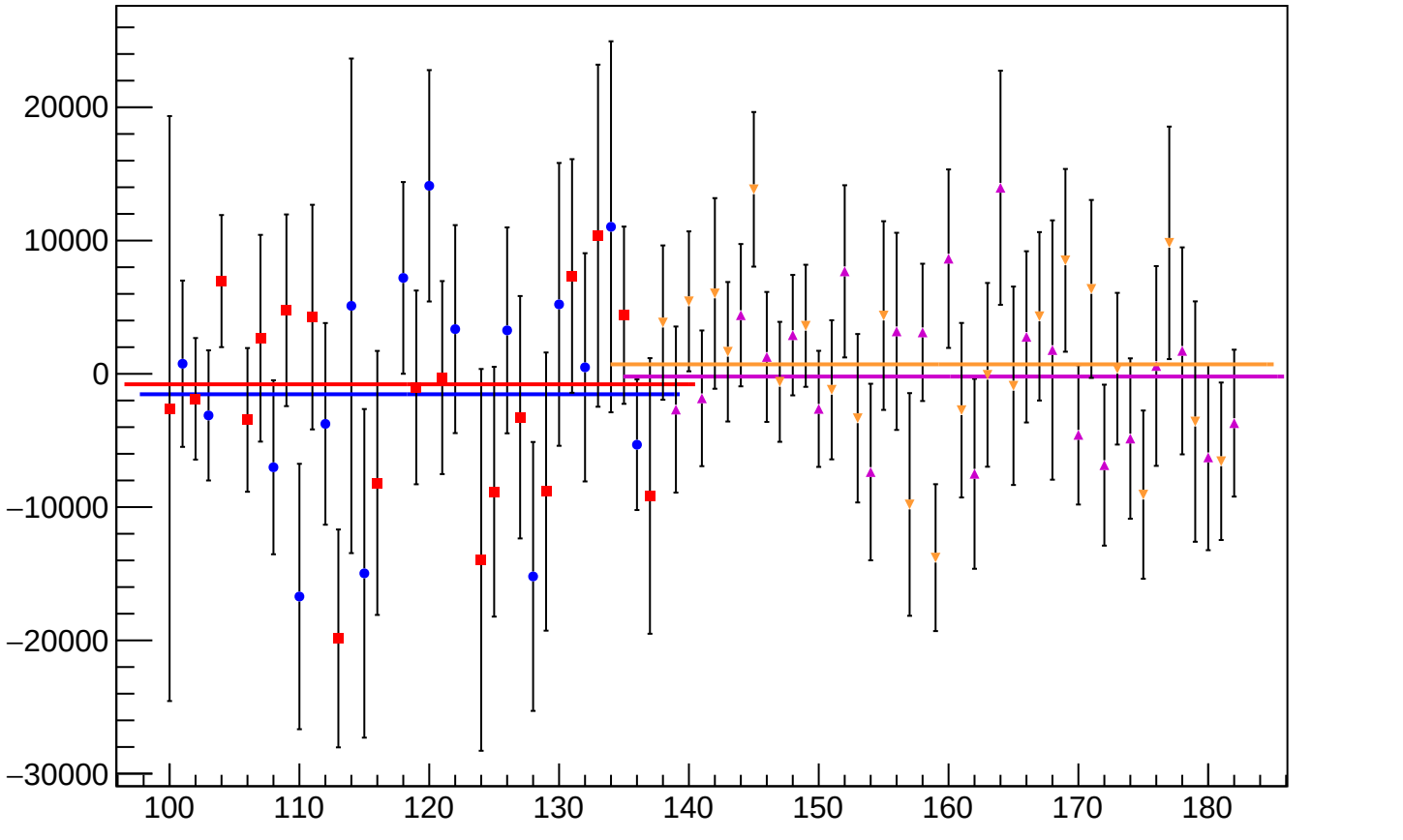
Left: 1589.598+/-0.187 χ^2/NDF: 112491.0/44

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1601.591+/-0.226 χ^2/NDF:329782.3/37

Out: 1602.242+/-0.225 χ^2/NDF:312116.8/41

All: 1601.919+/-0.159 χ^2/NDF: 641903.2/79



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 714.065+/-1270.961 χ^2/NDF:24.5/22

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: -203.862+/-1275.060 χ^2/NDF:14.6/21

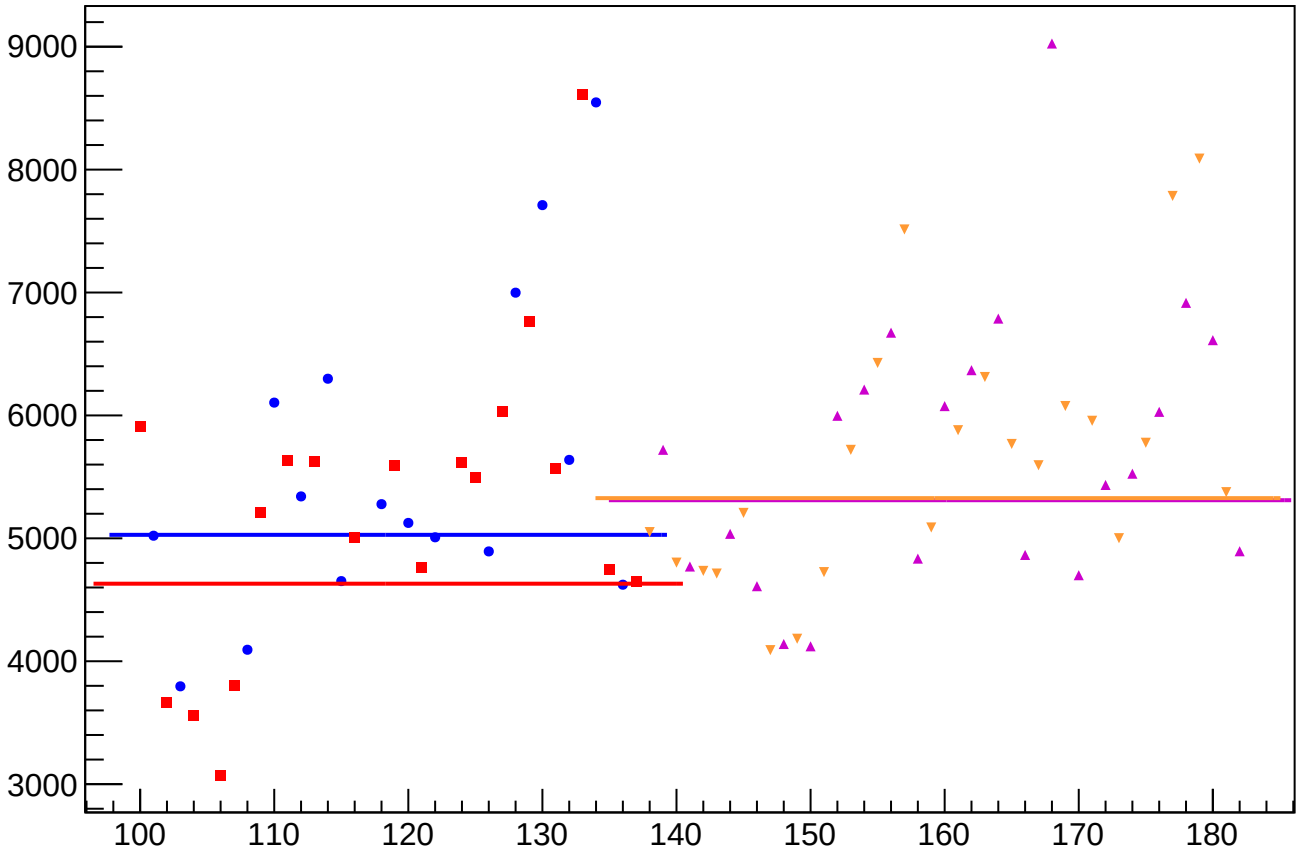
Left: 256.579+/-900.151 χ^2/NDF: 39.3/44

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -612.196+/-1061.120 χ^2/NDF:28.8/37

Out: 196.120+/-1028.074 χ^2/NDF:40.1/41

All: -195.256+/-738.365 χ^2/NDF: 69.1/79



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5327.026+/-0.899 χ^2/NDF:1036411.8/22

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5310.188+/-0.902 χ^2/NDF:1148967.5/21

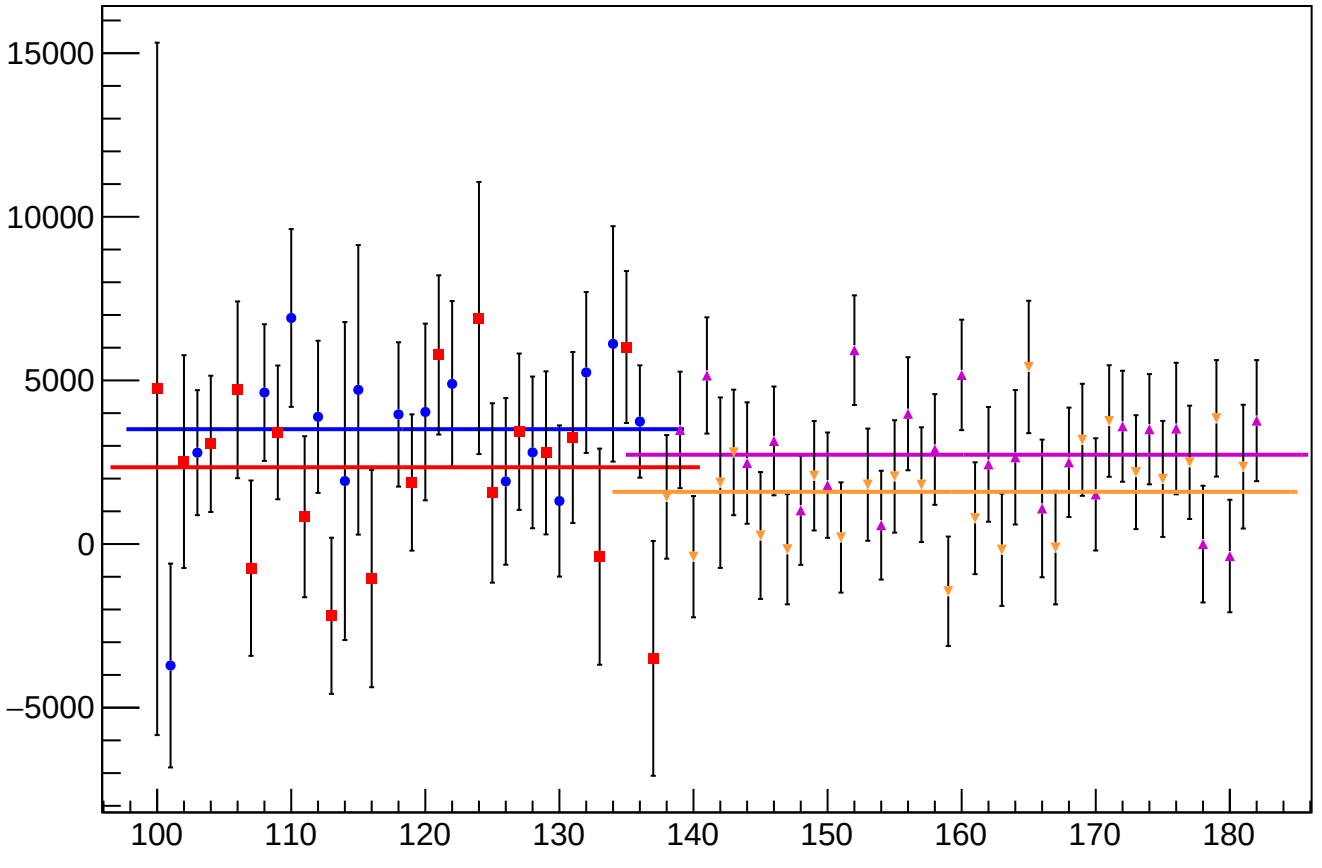
Left: 5318.634+/-0.637 χ^2/NDF: 2185554.2/44

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5223.575+/-0.750 χ^2/NDF:1744456.1/37

Out: 5086.383+/-0.727 χ^2/NDF:2107334.4/41

All: 5152.810+/-0.522 χ^2/NDF: 3869035.0/79



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1595.500+/-372.585 χ^2/NDF:17.8/22

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 2729.381+/-373.661 χ^2/NDF:19.1/21

Left: 2160.806+/-263.837 χ^2/NDF: 41.5/44

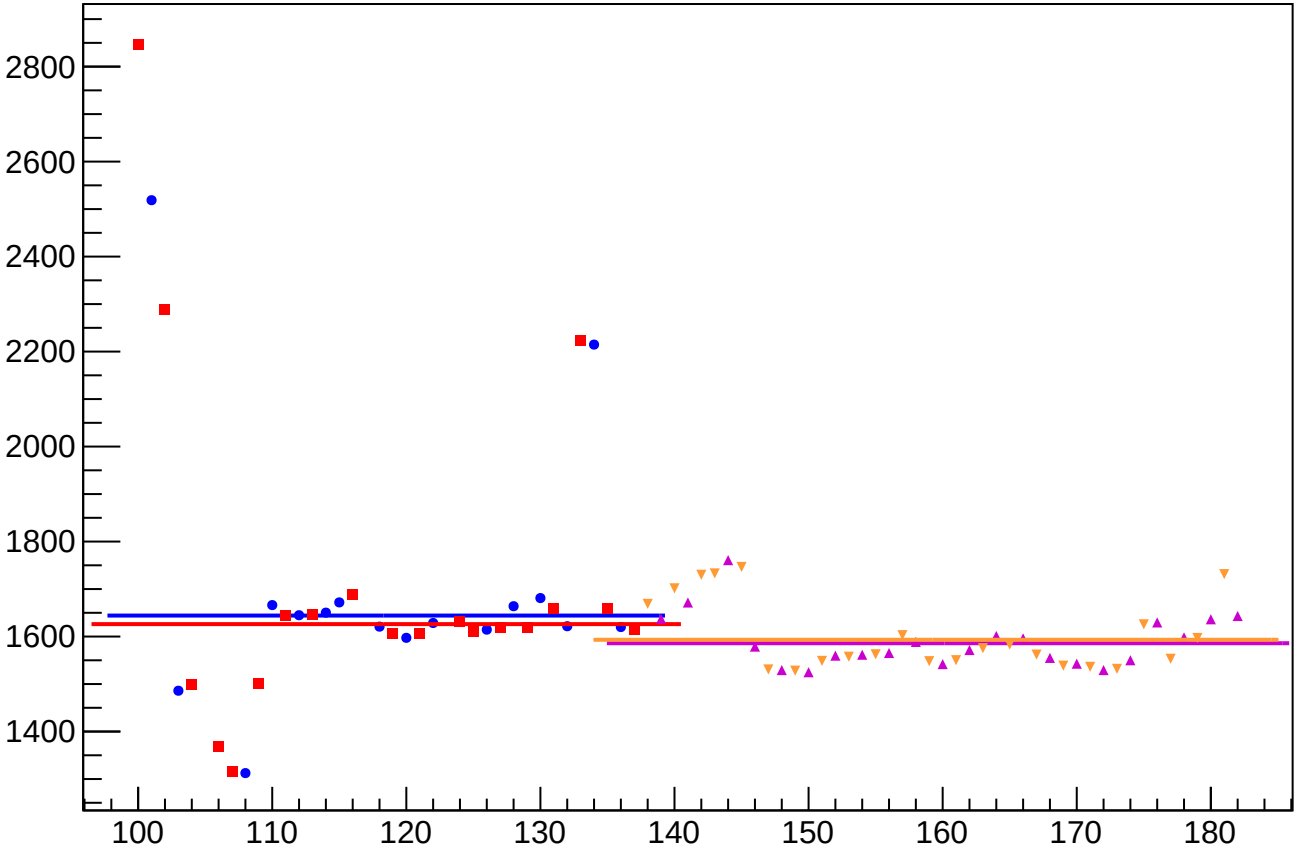
Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 2938.860+/-319.579 χ^2/NDF:30.7/37

Out: 1800.873+/-317.609 χ^2/NDF:36.0/41

All: 2366.348+/-225.277 χ^2/NDF: 73.1/79

eigen_dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1593.225+/-0.263 χ^2/NDF:70196.5/22

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1585.951+/-0.264 χ^2/NDF:41914.2/21

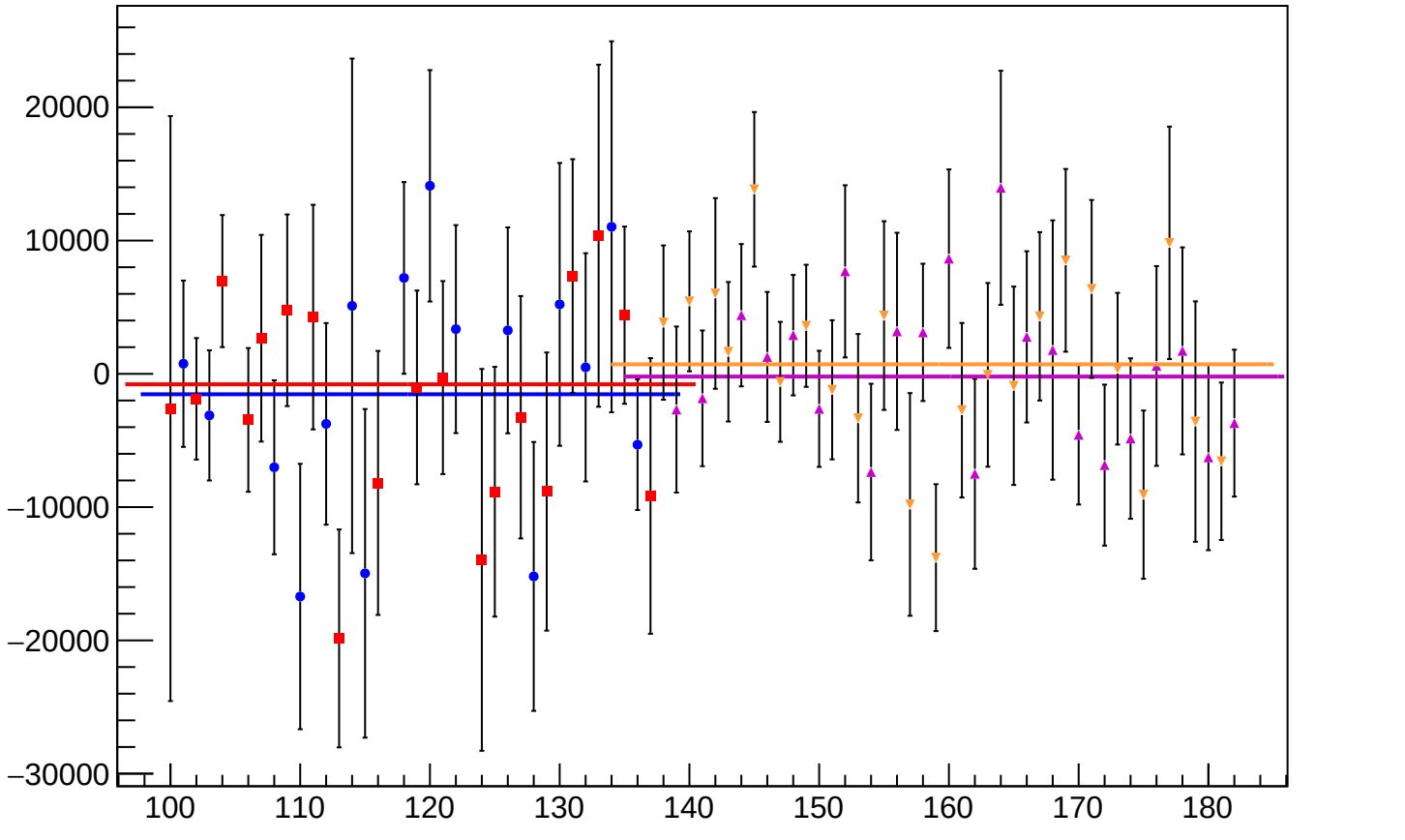
Left: 1589.599+/-0.187 χ^2/NDF: 112490.7/44

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1601.592+/-0.226 χ^2/NDF:329781.5/37

Out: 1602.242+/-0.225 χ^2/NDF:312116.0/41

All: 1601.919+/-0.159 χ^2/NDF: 641901.7/79



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 714.062+/-1270.964 χ^2/NDF:24.5/22

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -203.864+/-1275.062 χ^2/NDF:14.6/21

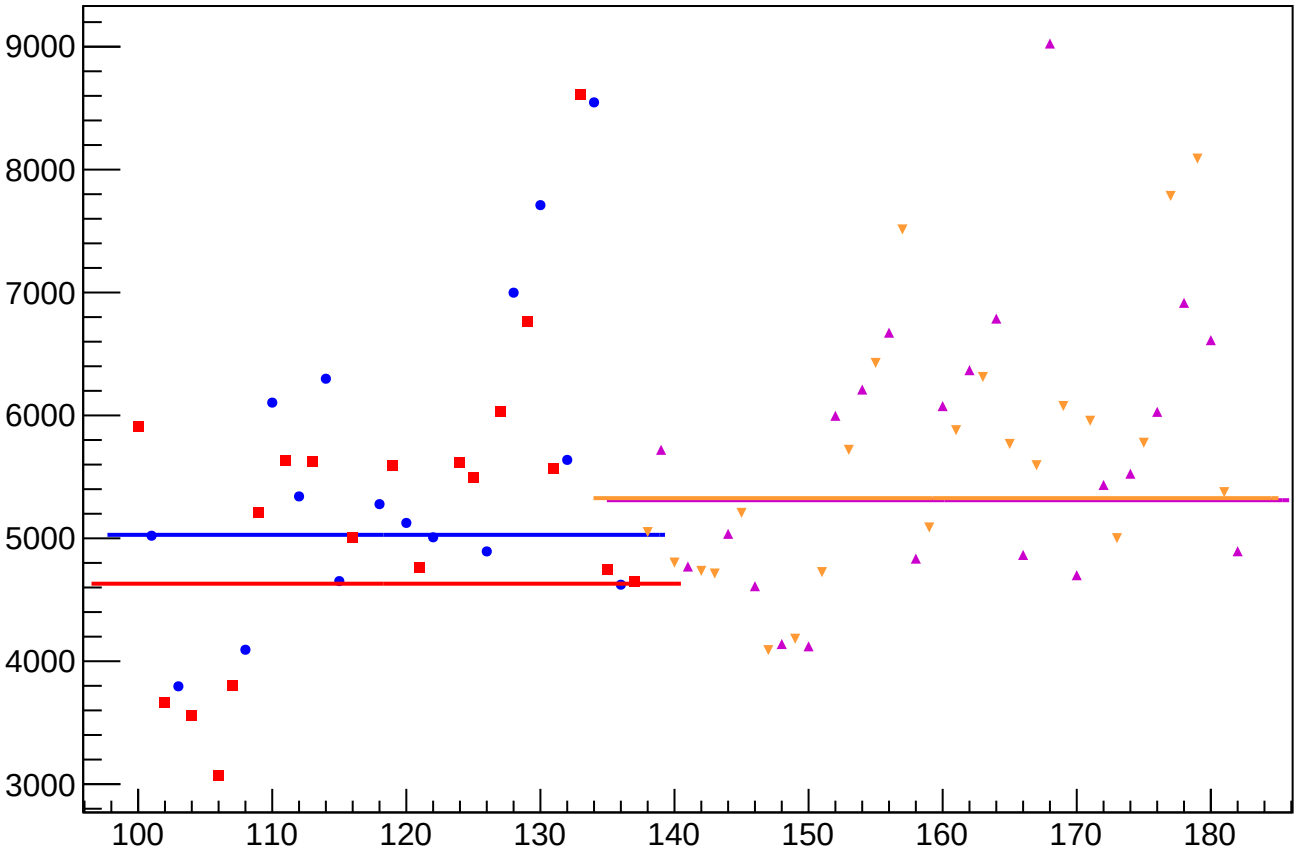
Left: 256.577+/-900.153 χ^2/NDF: 39.3/44

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -612.195+/-1061.121 χ^2/NDF:28.8/37

Out: 196.115+/-1028.075 χ^2/NDF:40.1/41

All: -195.257+/-738.365 χ^2/NDF: 69.1/79



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5327.035+/-0.899 χ^2/NDF:1036414.0/22

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5310.197+/-0.902 χ^2/NDF:1148971.5/21

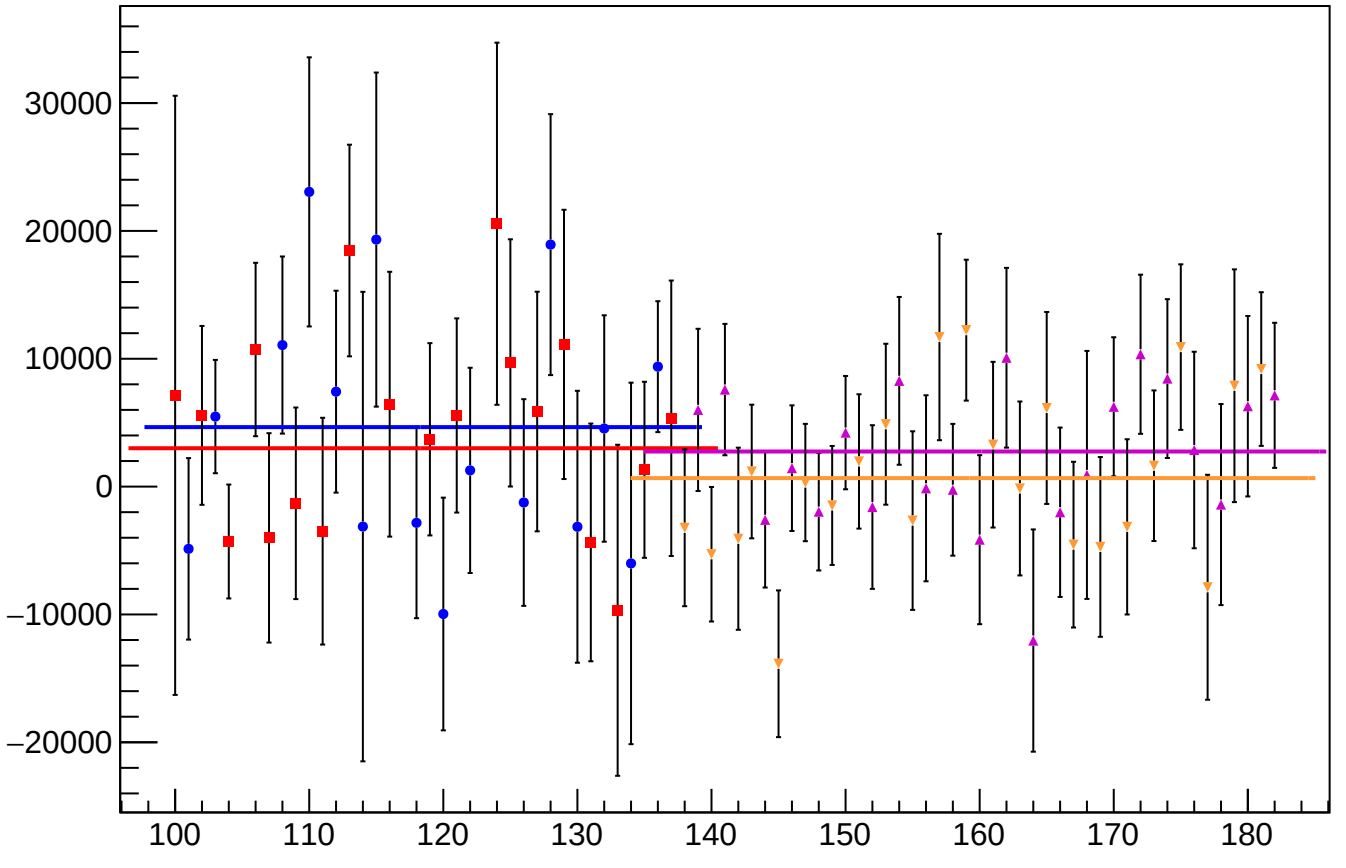
Left: 5318.643+/-0.637 χ^2/NDF: 2185560.5/44

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5223.579+/-0.750 χ^2/NDF:1744457.1/37

Out: 5086.386+/-0.727 χ^2/NDF:2107340.2/41

All: 5152.813+/-0.522 χ^2/NDF: 3869042.0/79



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 664.926+/-1283.411 χ^2/NDF:24.1/22

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 2745.110+/-1289.259 χ^2/NDF:14.6/21

Left: 1700.290+/-909.569 χ^2/NDF: 40.0/44

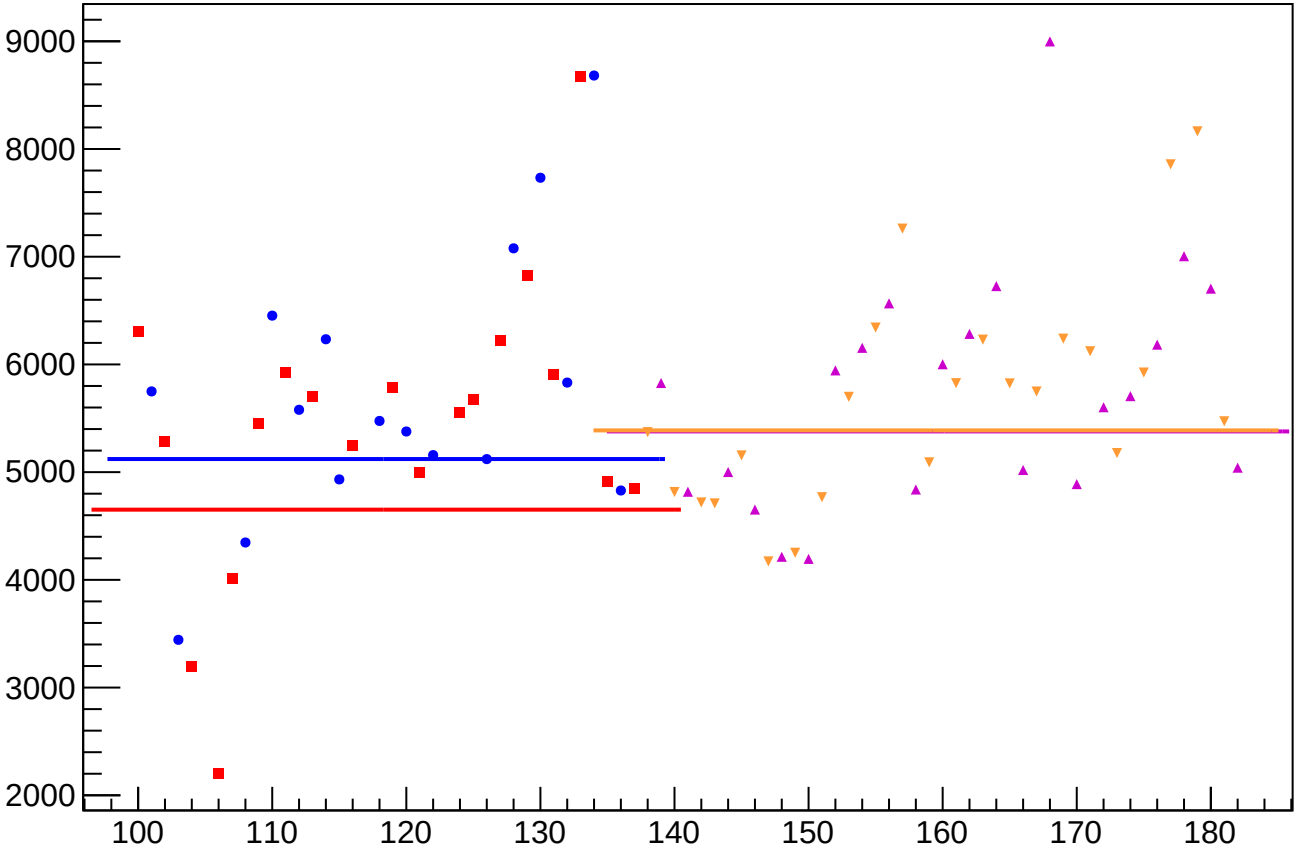
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3321.968+/-1076.873 χ^2/NDF:30.7/37

Out: 1406.009+/-1060.476 χ^2/NDF:39.1/41

All: 2349.291+/-755.600 χ^2/NDF: 71.4/79

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5387.464+/-0.908 χ^2/NDF:987018.3/22

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5377.952+/-0.912 χ^2/NDF:1070146.6/21

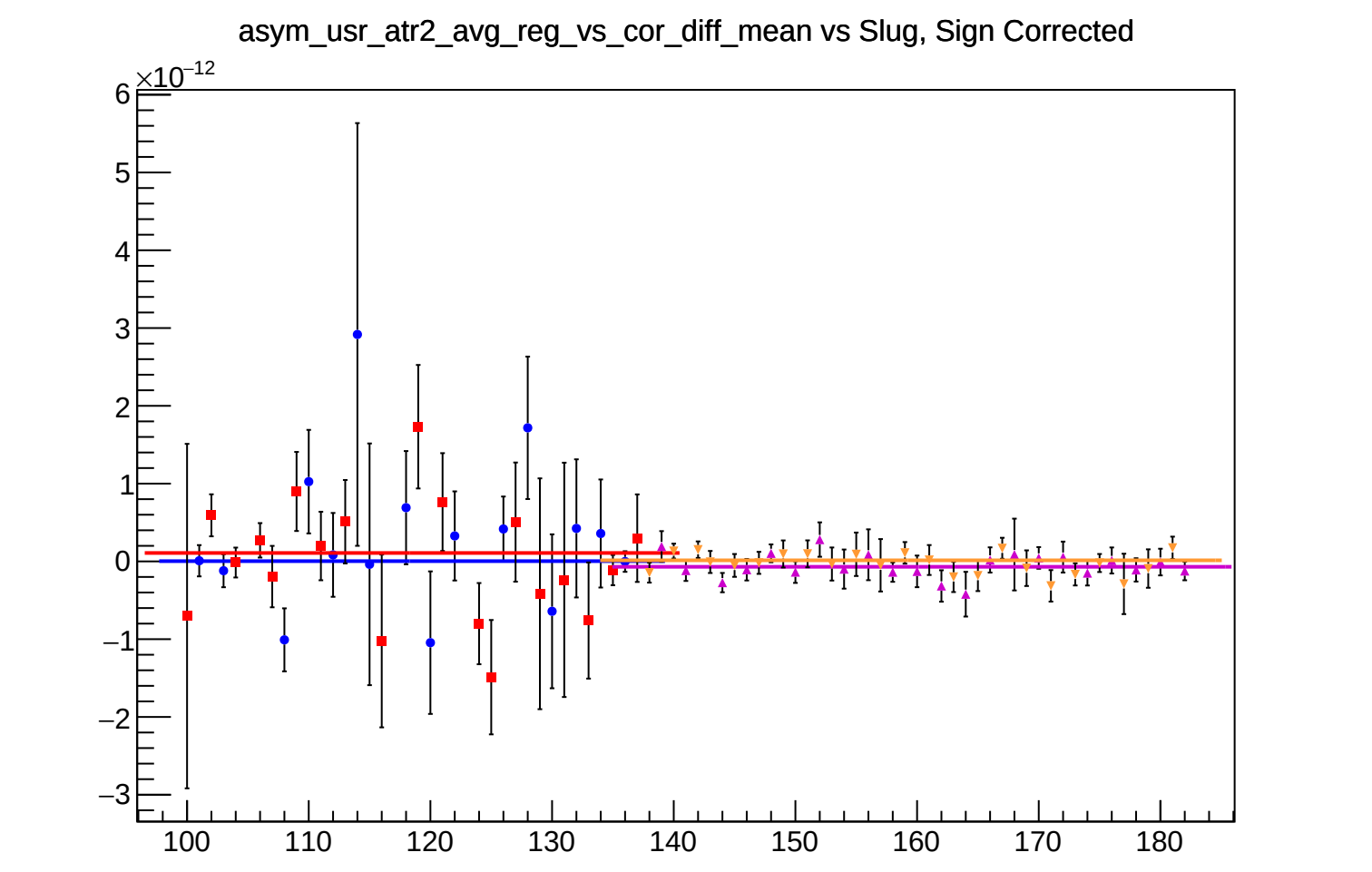
Left: 5382.730+/-0.643 χ^2/NDF: 2057219.5/44

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5300.462+/-0.761 χ^2/NDF:1814414.6/37

Out: 5141.438+/-0.740 χ^2/NDF:2551673.7/41

All: 5218.718+/-0.531 χ^2/NDF: 4388507.3/79



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.6/21

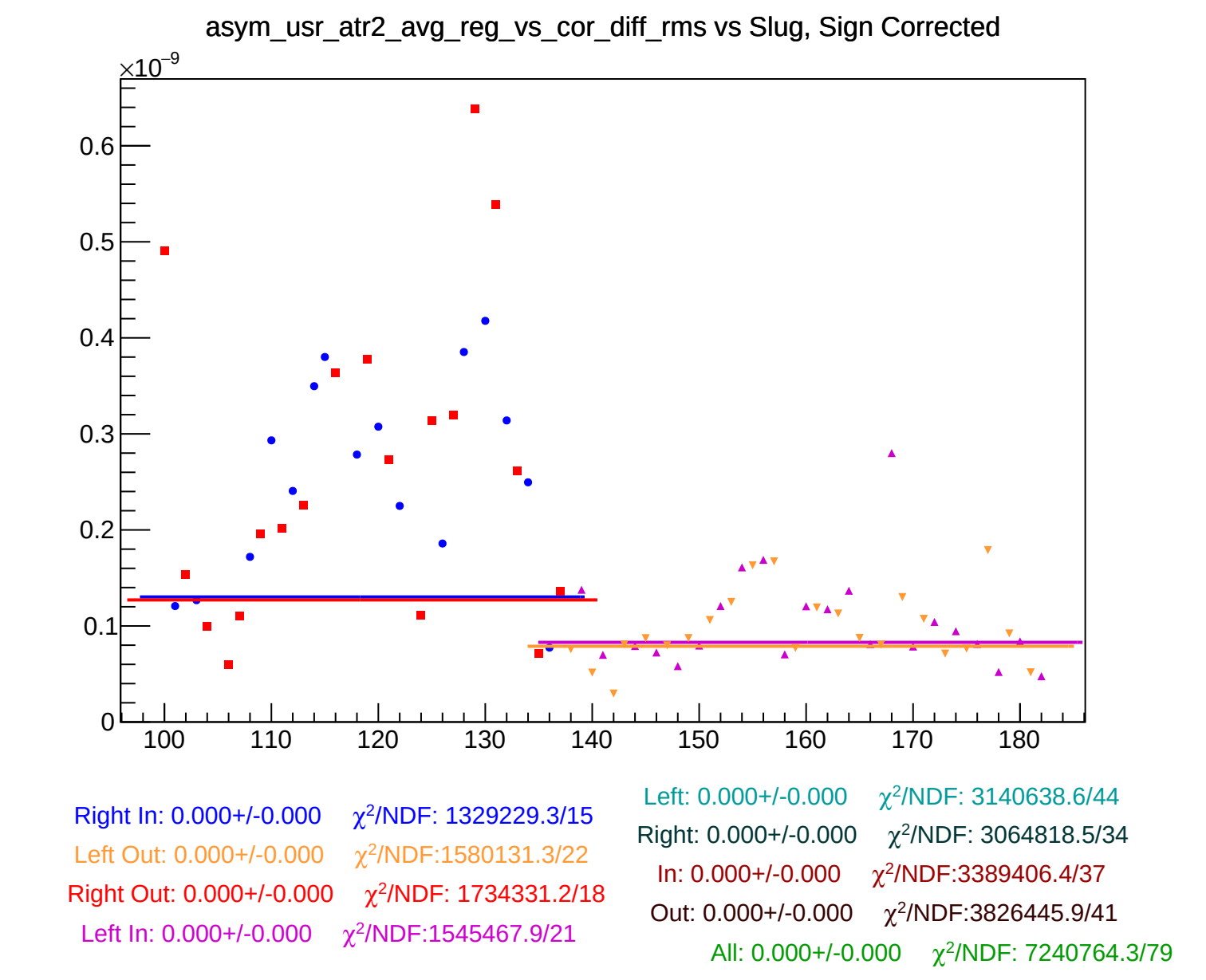
Left: -0.000+/-0.000 χ^2/NDF: 34.8/44

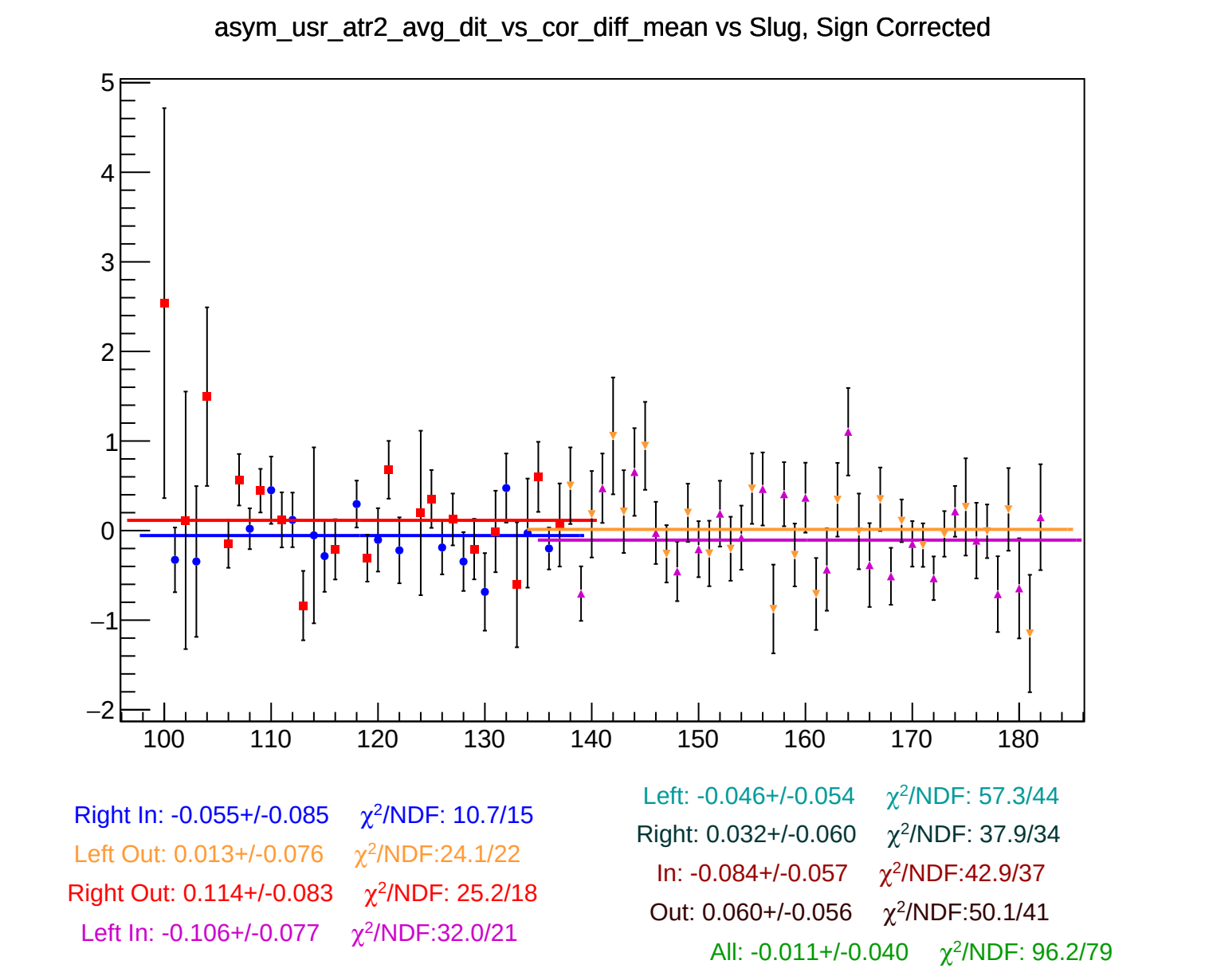
Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

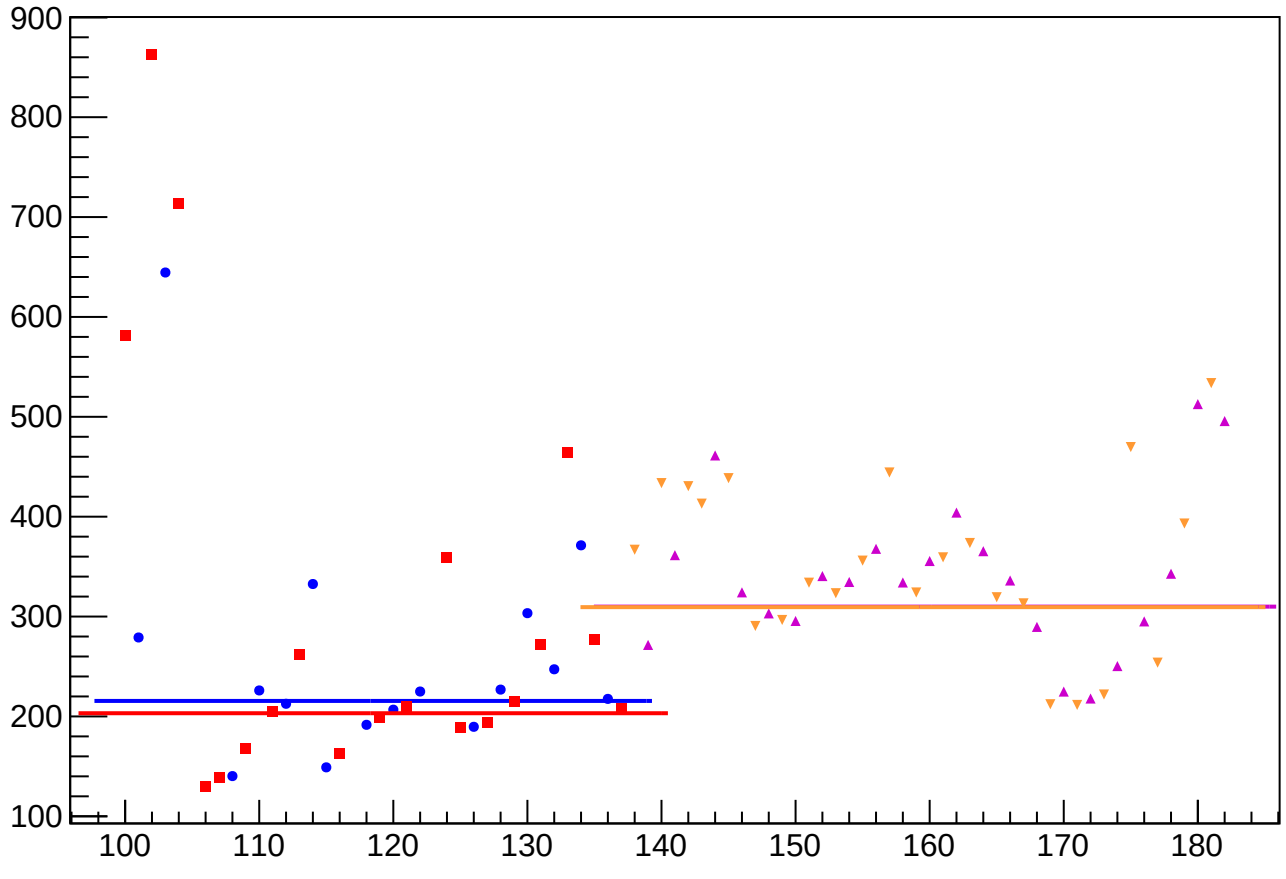
In: -0.000+/-0.000 χ^2/NDF:34.3/37

Out: 0.000+/-0.000 χ^2/NDF:42.2/41

All: -0.000+/-0.000 χ^2/NDF: 80.1/79


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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1580131.3/22
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:1545467.9/21
Left: 0.000+/-0.000 χ²/NDF: 3140638.6/44
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:3389406.4/37
Out: 0.000+/-0.000 χ²/NDF:3826445.9/41
All: 0.000+/-0.000 χ²/NDF: 7240764.3/79


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.013+/-0.076 χ²/NDF:24.1/22
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.106+/-0.077 χ²/NDF:32.0/21
Left: -0.046+/-0.054 χ²/NDF: 57.3/44
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.084+/-0.057 χ²/NDF:42.9/37
Out: 0.060+/-0.056 χ²/NDF:50.1/41
All: -0.011+/-0.040 χ²/NDF: 96.2/79



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 309.421+/-0.054 χ^2/NDF:2197612.7/22

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 309.939+/-0.054 χ^2/NDF:1564253.4/21

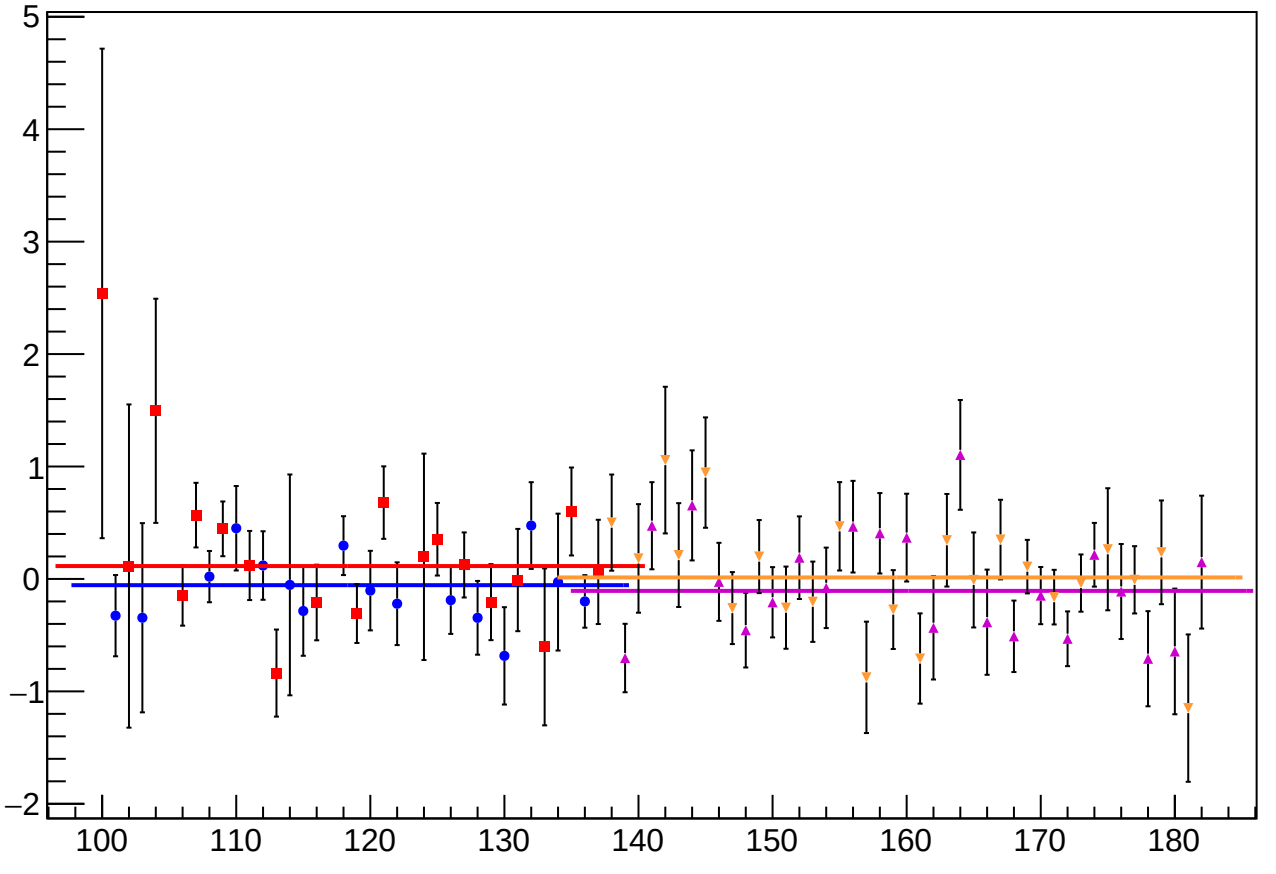
Left: 309.679+/-0.038 χ^2/NDF: 3761911.9/44

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 267.863+/-0.040 χ^2/NDF:4066089.8/37

Out: 260.864+/-0.040 χ^2/NDF:5801852.5/41

All: 264.315+/-0.028 χ^2/NDF: 9883196.9/79



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.013+/-0.076 χ^2/NDF:24.1/22

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.106+/-0.077 χ^2/NDF:32.0/21

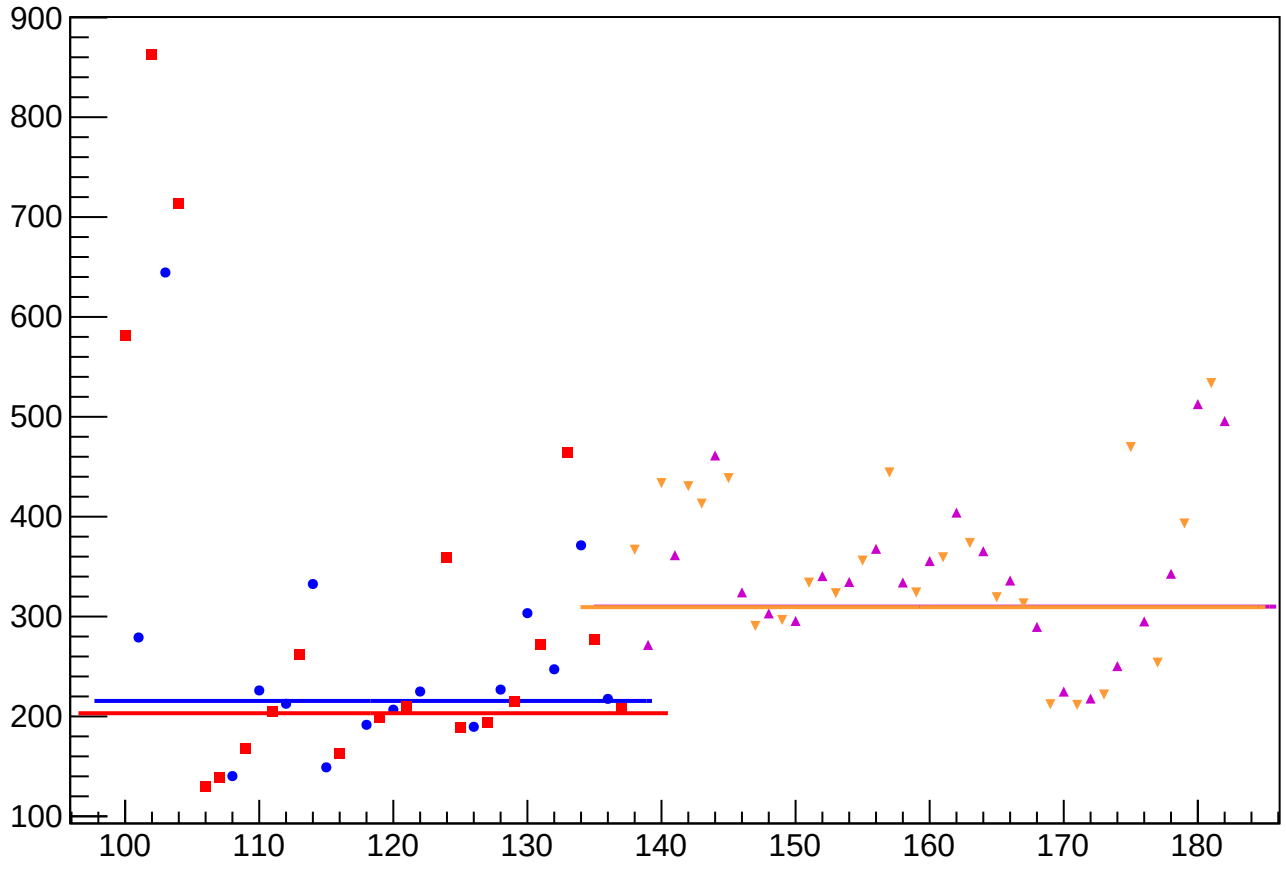
Left: -0.046+/-0.054 χ^2/NDF: 57.3/44

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.084+/-0.057 χ^2/NDF:42.9/37

Out: 0.060+/-0.056 χ^2/NDF:50.1/41

All: -0.011+/-0.040 χ^2/NDF: 96.2/79



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 309.421+/-0.054 χ^2/NDF:2197612.7/22

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 309.939+/-0.054 χ^2/NDF:1564253.4/21

Left: 309.679+/-0.038 χ^2/NDF: 3761911.9/44

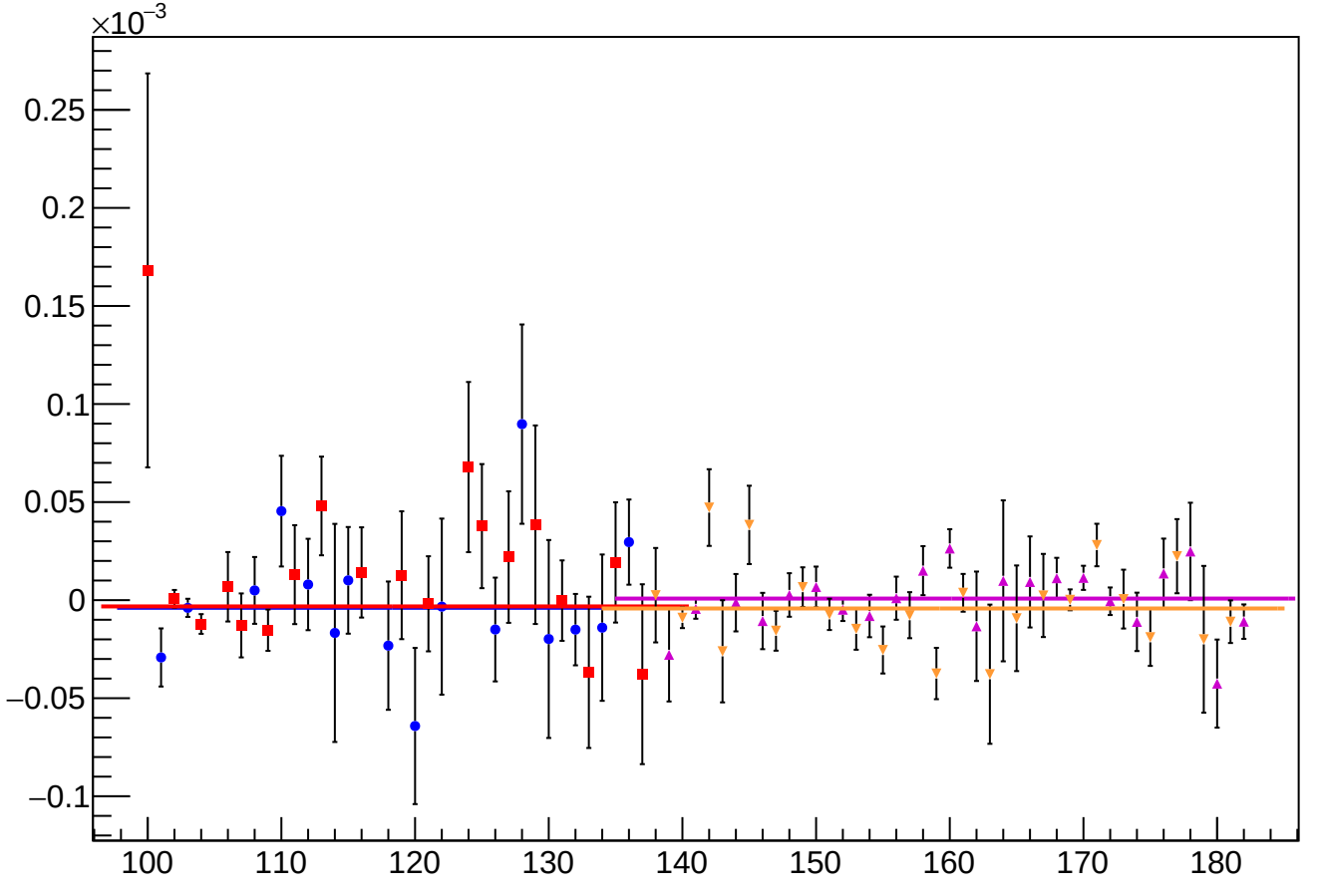
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 267.863+/-0.040 χ^2/NDF:4066089.8/37

Out: 260.864+/-0.040 χ^2/NDF:5801852.5/41

All: 264.315+/-0.028 χ^2/NDF: 9883196.9/79

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.2/22

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:25.3/21

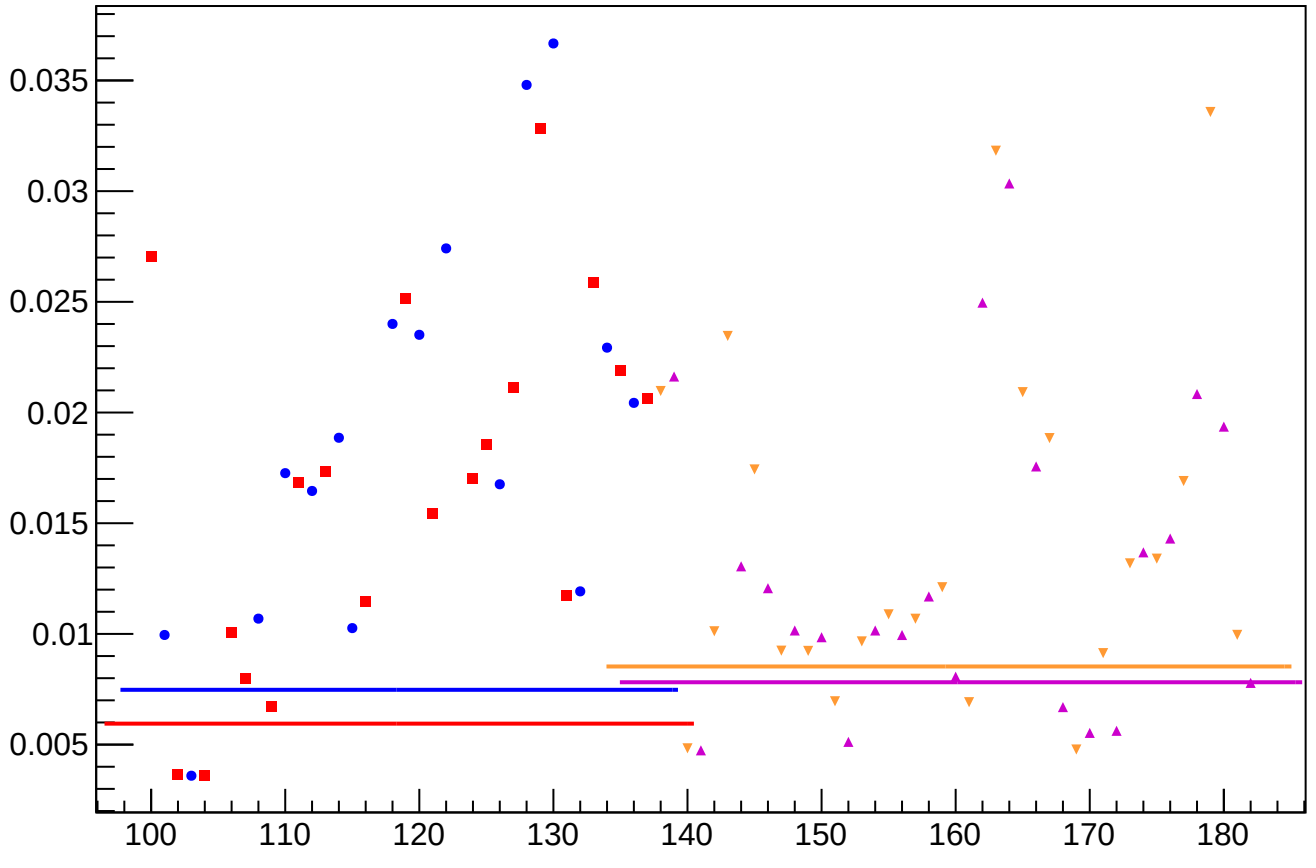
Left: -0.000+/-0.000 χ^2/NDF: 69.0/44

Right: -0.000+/-0.000 χ^2/NDF: 37.6/34

In: -0.000+/-0.000 χ^2/NDF:42.4/37

Out: -0.000+/-0.000 χ^2/NDF:62.9/41

All: -0.000+/-0.000 χ^2/NDF: 107.1/79



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:7550884.2/22

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:6669134.2/21

Left: 0.008+/-0.000 χ^2/NDF: 14321977.2/44

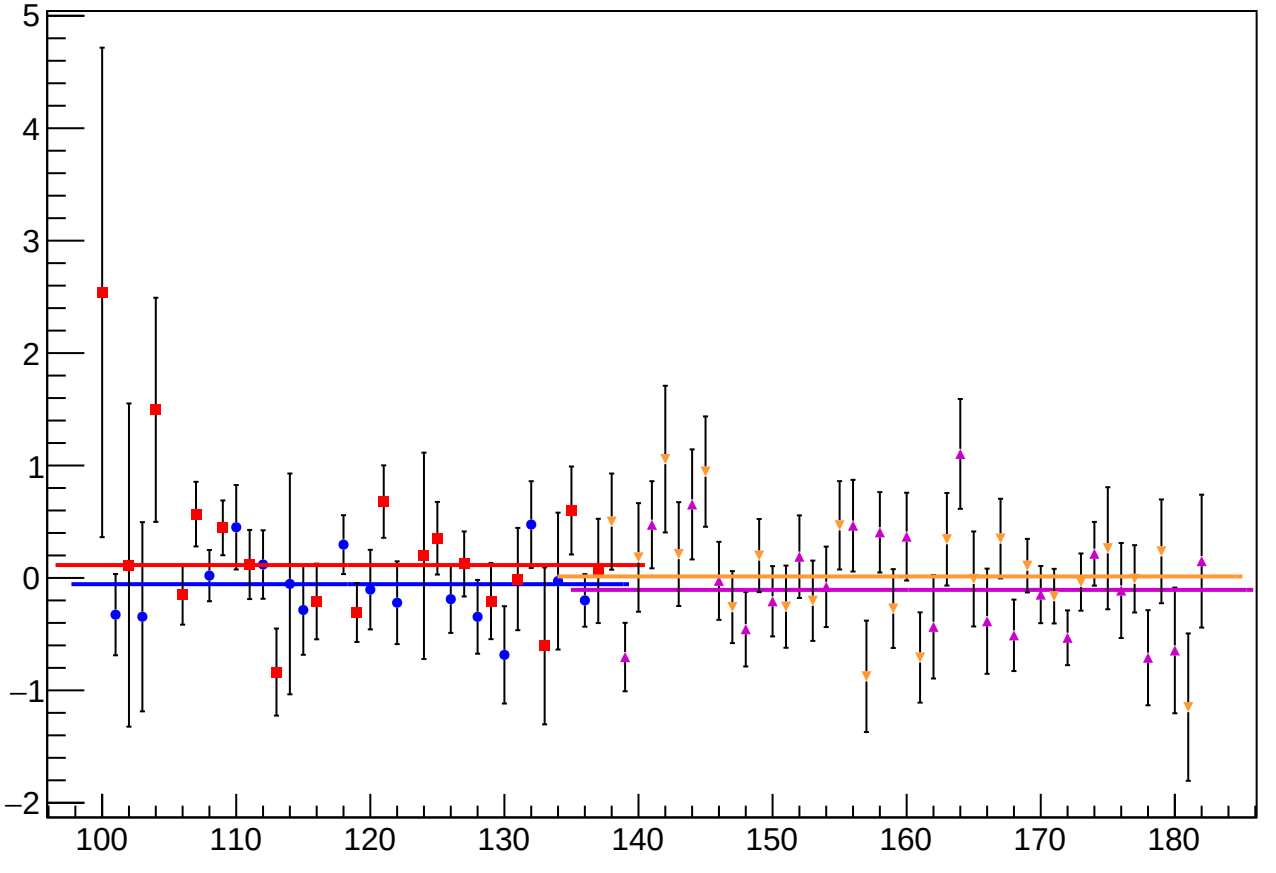
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:12757603.4/37

Out: 0.008+/-0.000 χ^2/NDF:14458450.5/41

All: 0.008+/-0.000 χ^2/NDF: 27228465.3/79

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.013+/-0.076 χ^2/NDF:24.1/22

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.106+/-0.077 χ^2/NDF:32.0/21

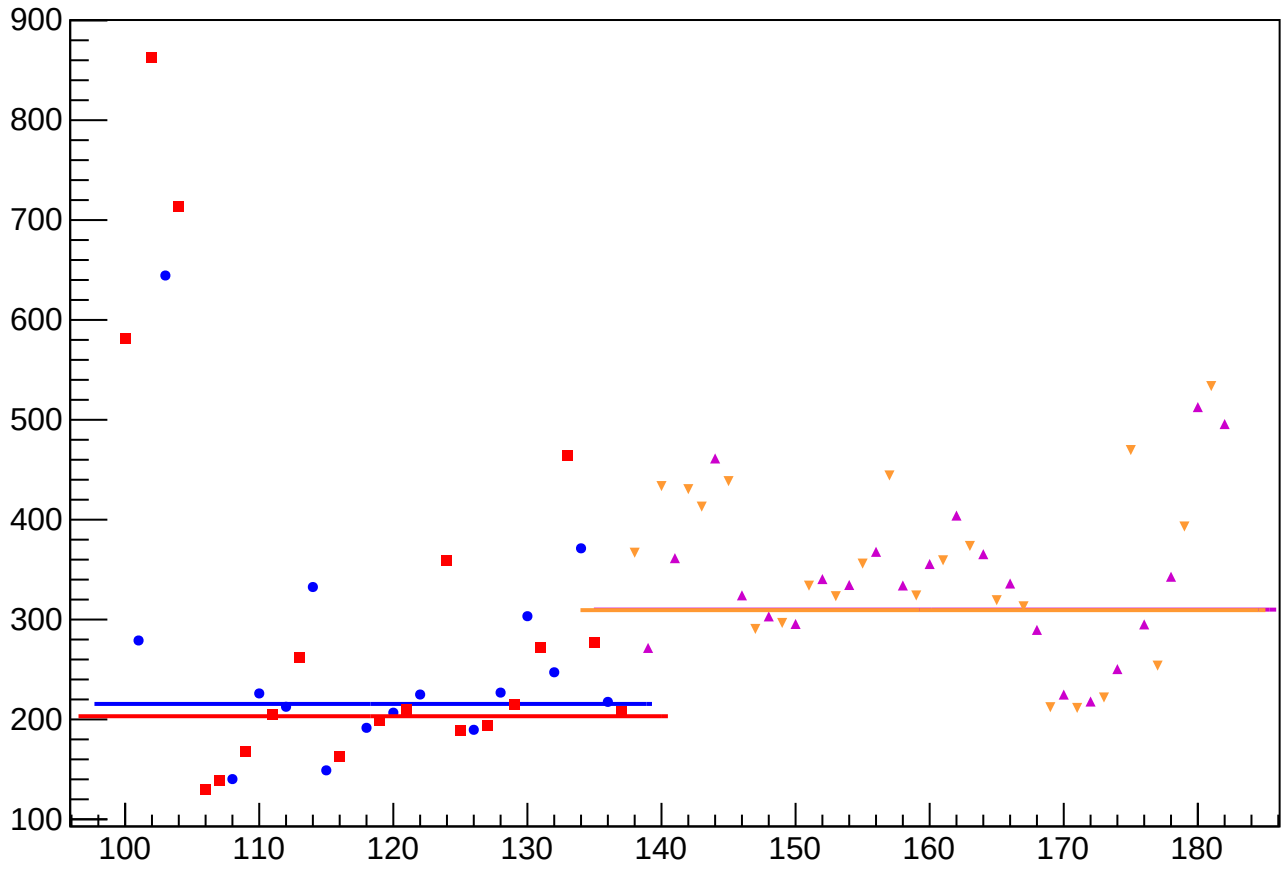
Left: -0.046+/-0.054 χ^2/NDF: 57.3/44

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.084+/-0.057 χ^2/NDF:42.9/37

Out: 0.060+/-0.056 χ^2/NDF:50.1/41

All: -0.011+/-0.040 χ^2/NDF: 96.2/79



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 309.424+/-0.054 χ^2/NDF:2197687.3/22

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 309.942+/-0.054 χ^2/NDF:1564287.4/21

Left: 309.682+/-0.038 χ^2/NDF: 3762020.7/44

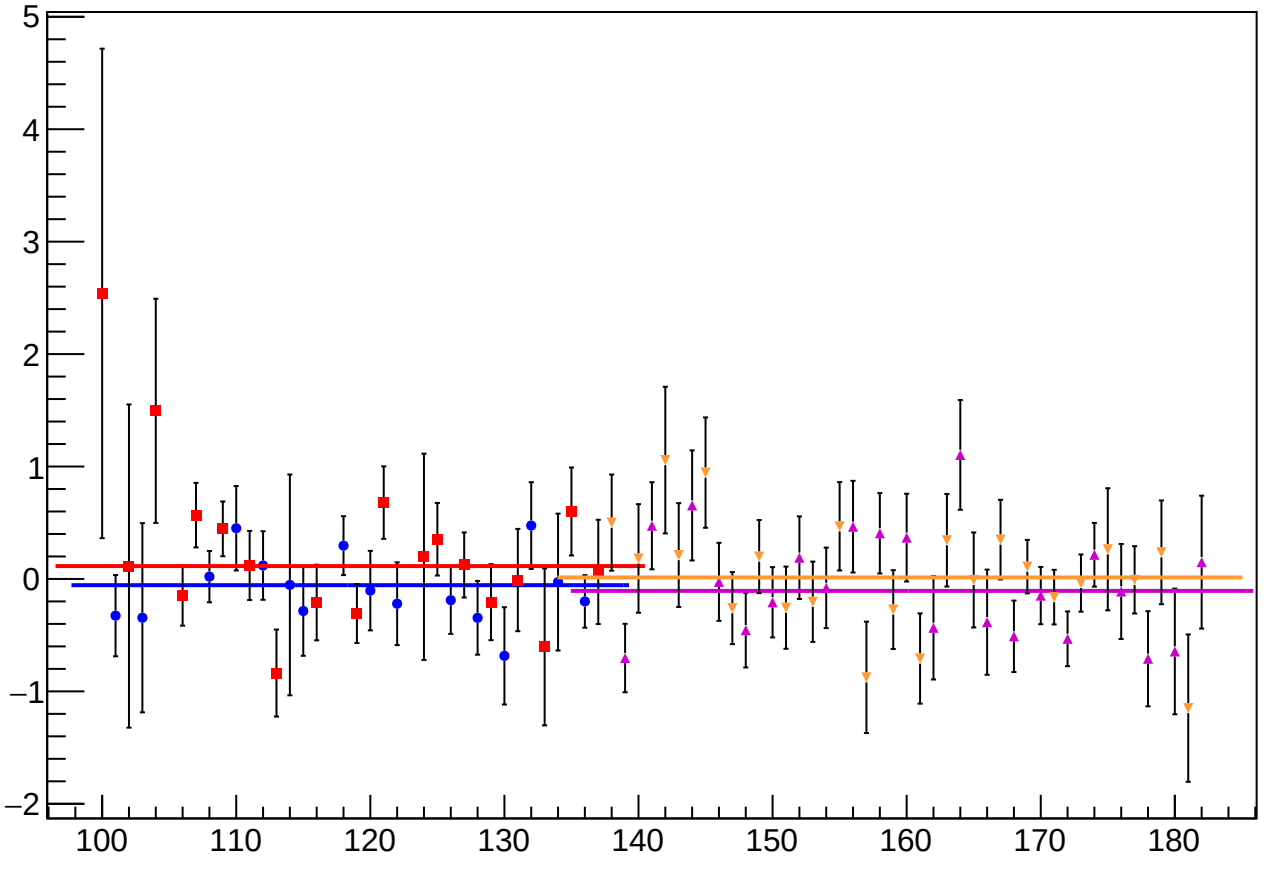
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 267.863+/-0.040 χ^2/NDF:4066226.9/37

Out: 260.864+/-0.040 χ^2/NDF:5802060.1/41

All: 264.315+/-0.028 χ^2/NDF: 9883543.6/79

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: 0.013+/-0.076 χ^2/NDF:24.1/22

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.106+/-0.077 χ^2/NDF:32.0/21

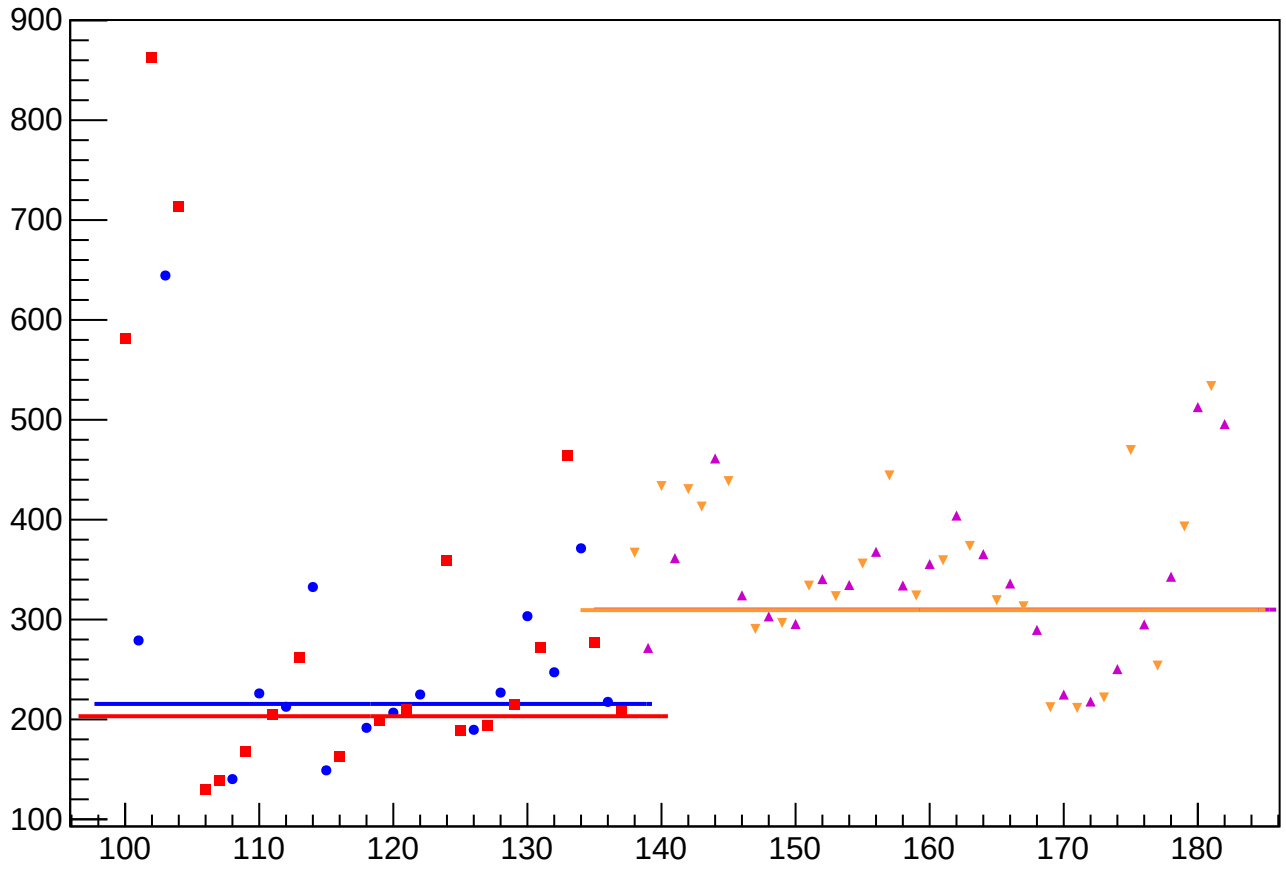
Left: -0.046+/-0.054 χ^2/NDF: 57.3/44

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.084+/-0.057 χ^2/NDF:42.9/37

Out: 0.060+/-0.056 χ^2/NDF:50.1/41

All: -0.011+/-0.040 χ^2/NDF: 96.2/79



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 309.424+/-0.054 χ^2/NDF:2197687.3/22

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 309.942+/-0.054 χ^2/NDF:1564287.4/21

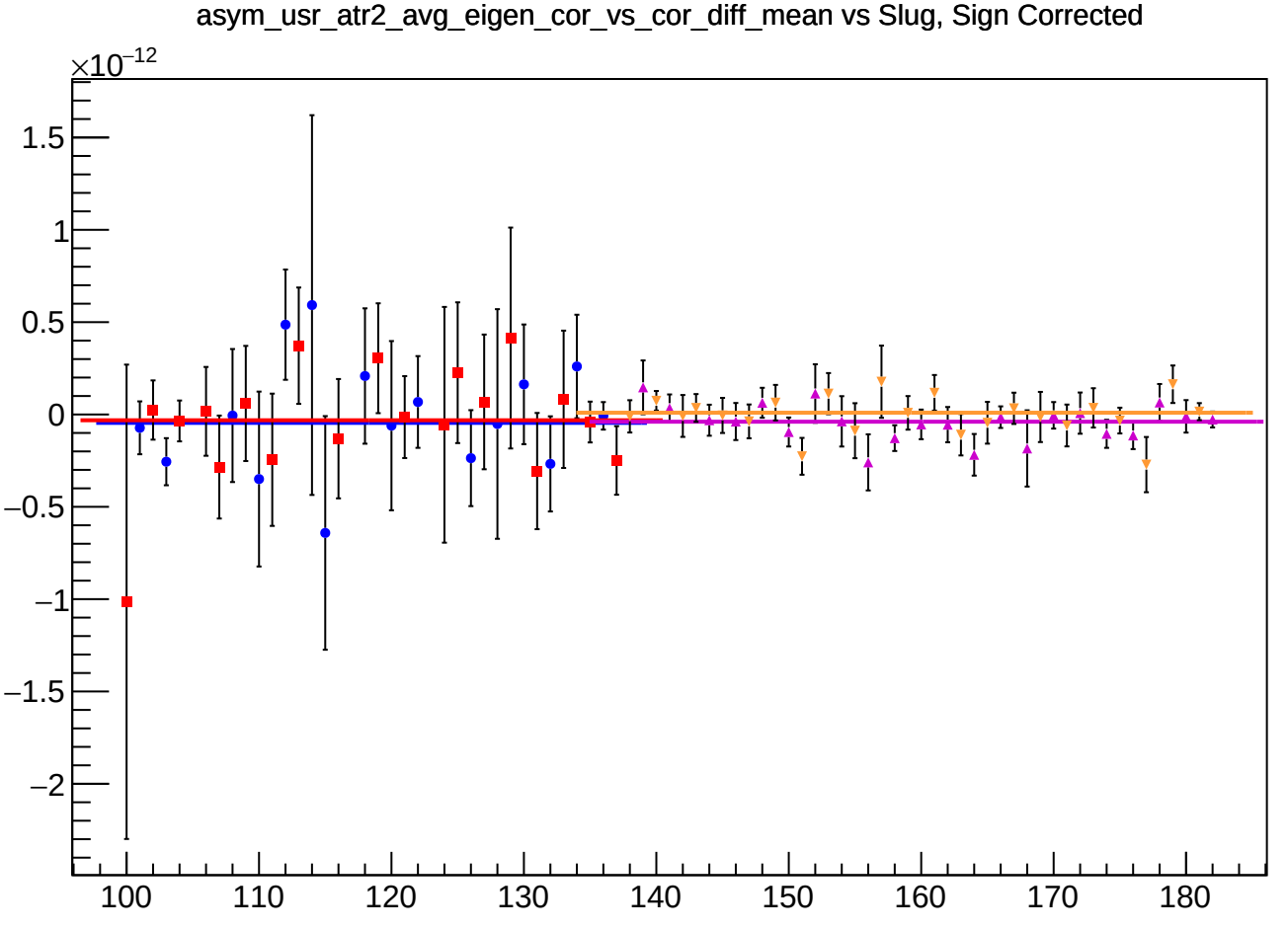
Left: 309.682+/-0.038 χ^2/NDF: 3762020.7/44

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 267.863+/-0.040 χ^2/NDF:4066226.9/37

Out: 260.864+/-0.040 χ^2/NDF:5802060.1/41

All: 264.315+/-0.028 χ^2/NDF: 9883543.6/79



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.1/21

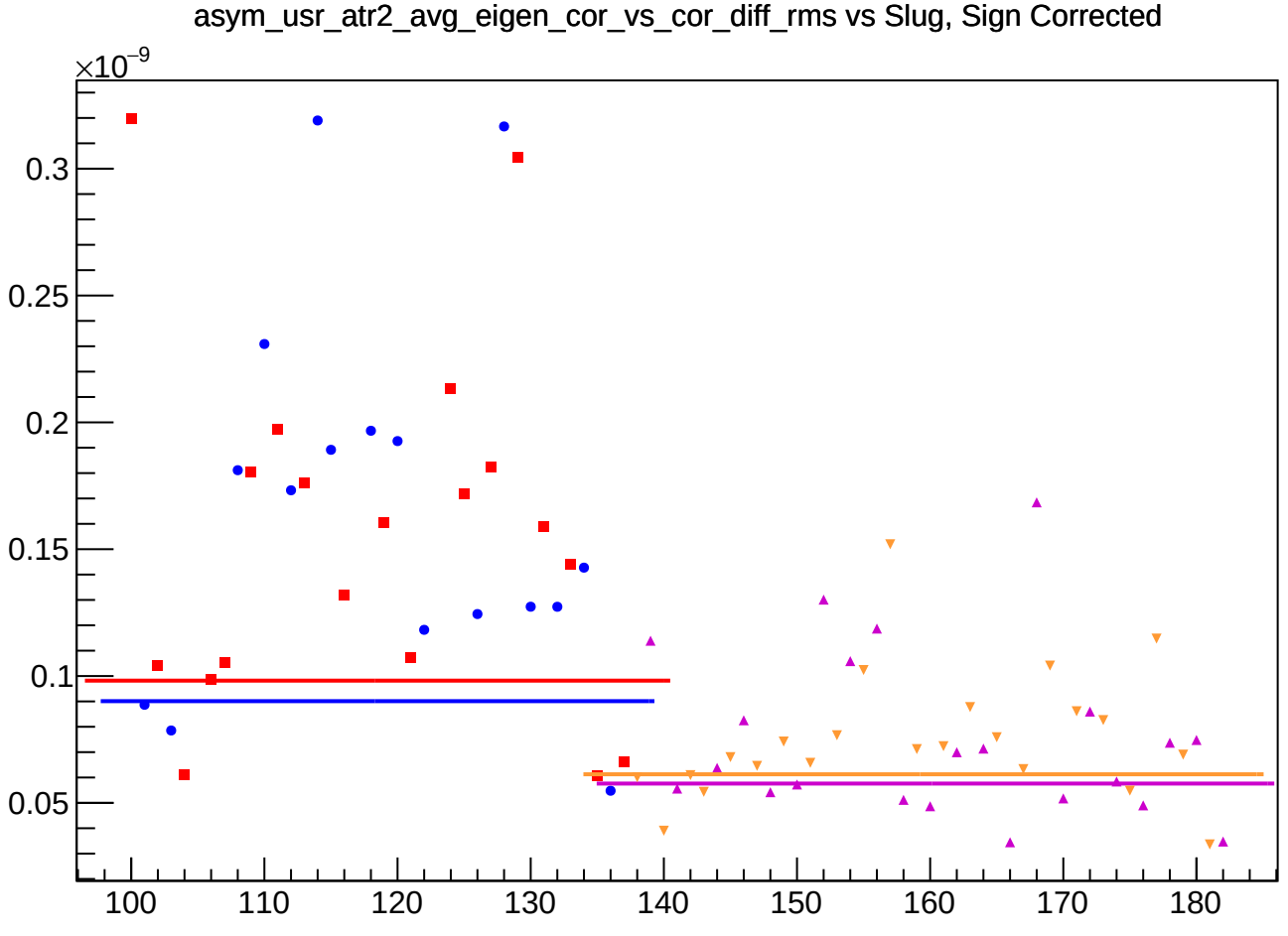
Left: -0.000+/-0.000 χ^2/NDF: 38.9/44

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:27.5/37

Out: 0.000+/-0.000 χ^2/NDF:28.2/41

All: -0.000+/-0.000 χ^2/NDF: 59.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2617911.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3285844.0/21

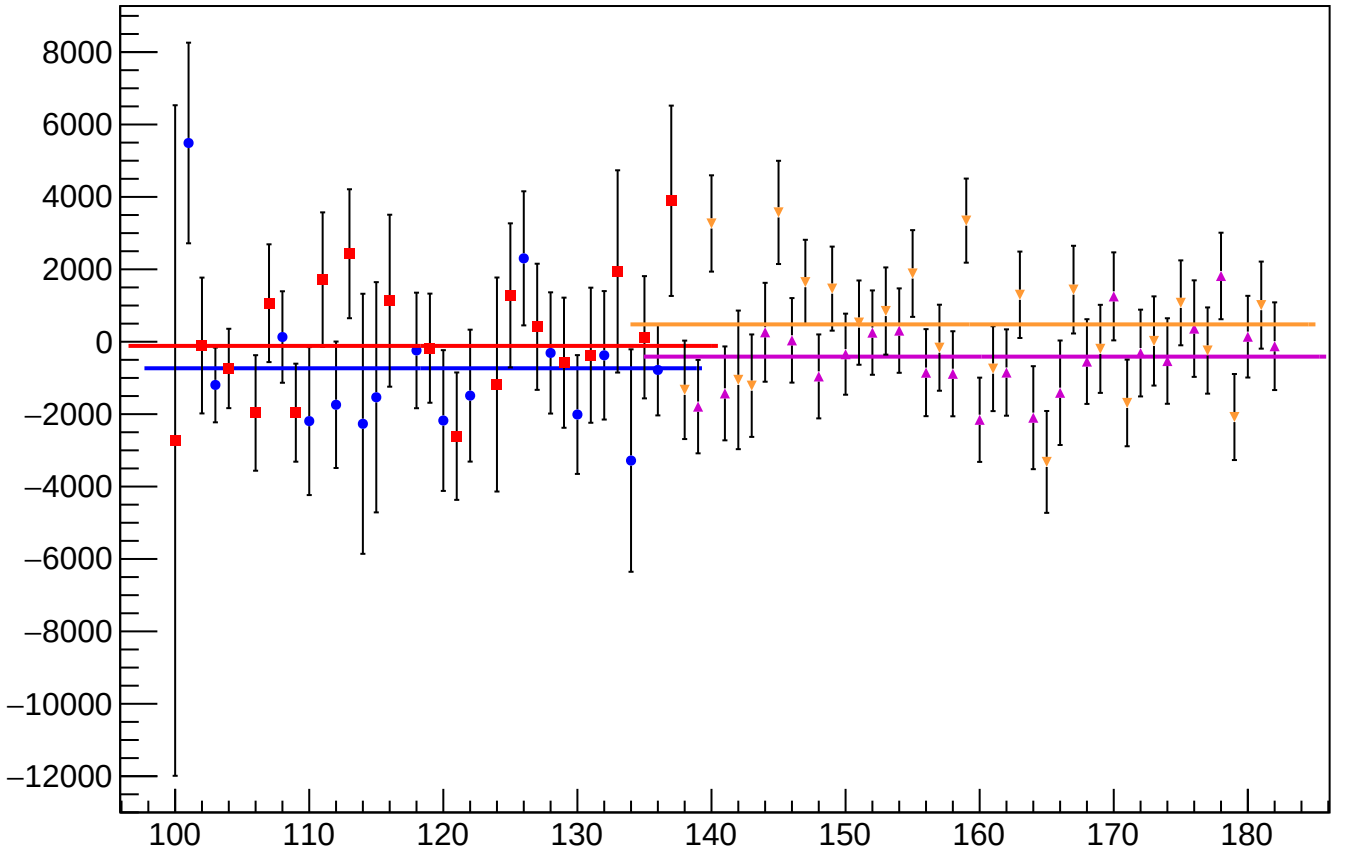
Left: 0.000+/-0.000 χ^2/NDF: 5944348.4/44

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:5844345.8/37

Out: 0.000+/-0.000 χ^2/NDF:5203890.1/41

All: 0.000+/-0.000 χ^2/NDF: 11108466.4/79



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 479.270+/-259.055 χ^2/NDF:41.2/22

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -411.425+/-259.381 χ^2/NDF:13.7/21

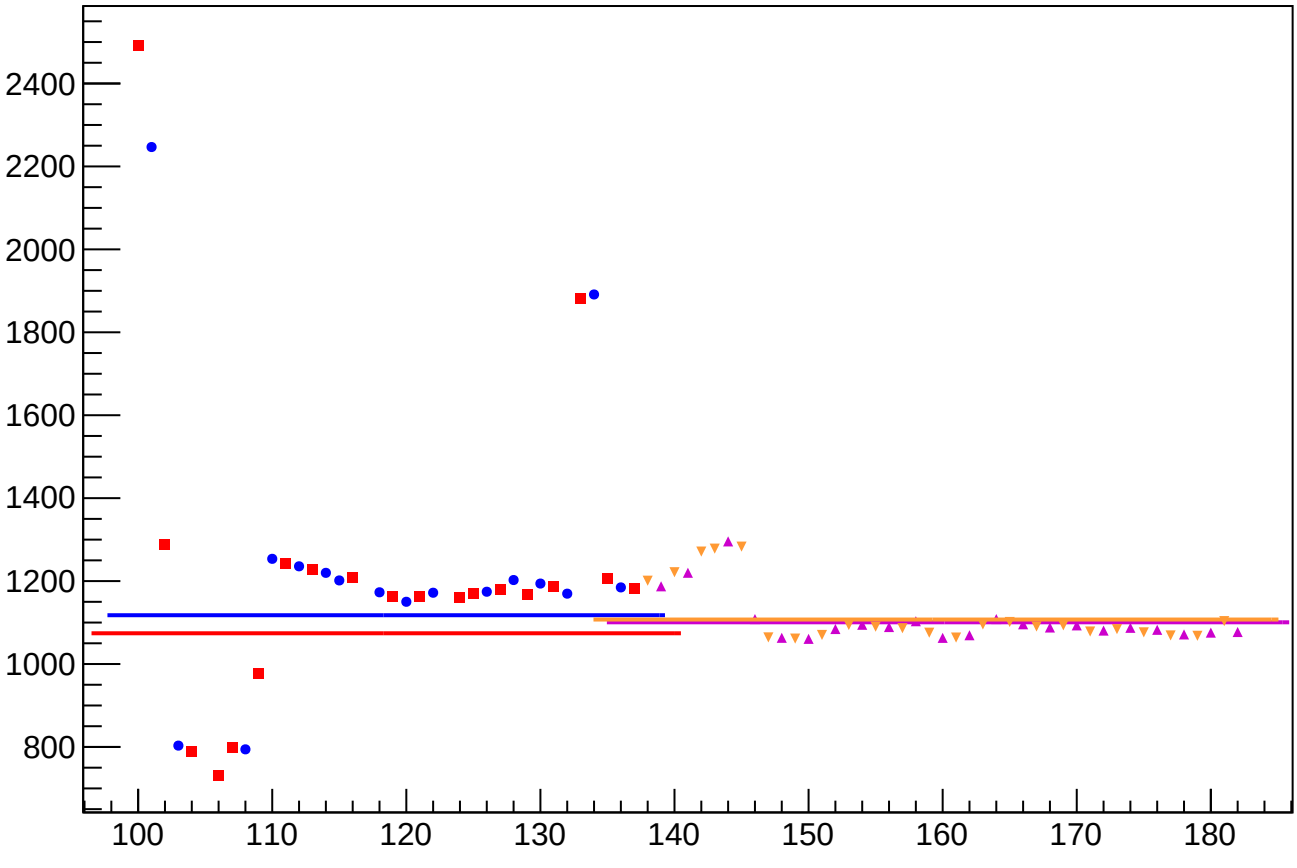
Left: 34.482+/-183.295 χ^2/NDF: 60.7/44

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -497.920+/-221.739 χ^2/NDF:25.8/37

Out: 310.549+/-219.221 χ^2/NDF:55.8/41

All: -89.068+/-155.895 χ^2/NDF: 88.3/79



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1107.278+/-0.183 χ^2/NDF:120307.4/22

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1100.617+/-0.183 χ^2/NDF:80113.7/21

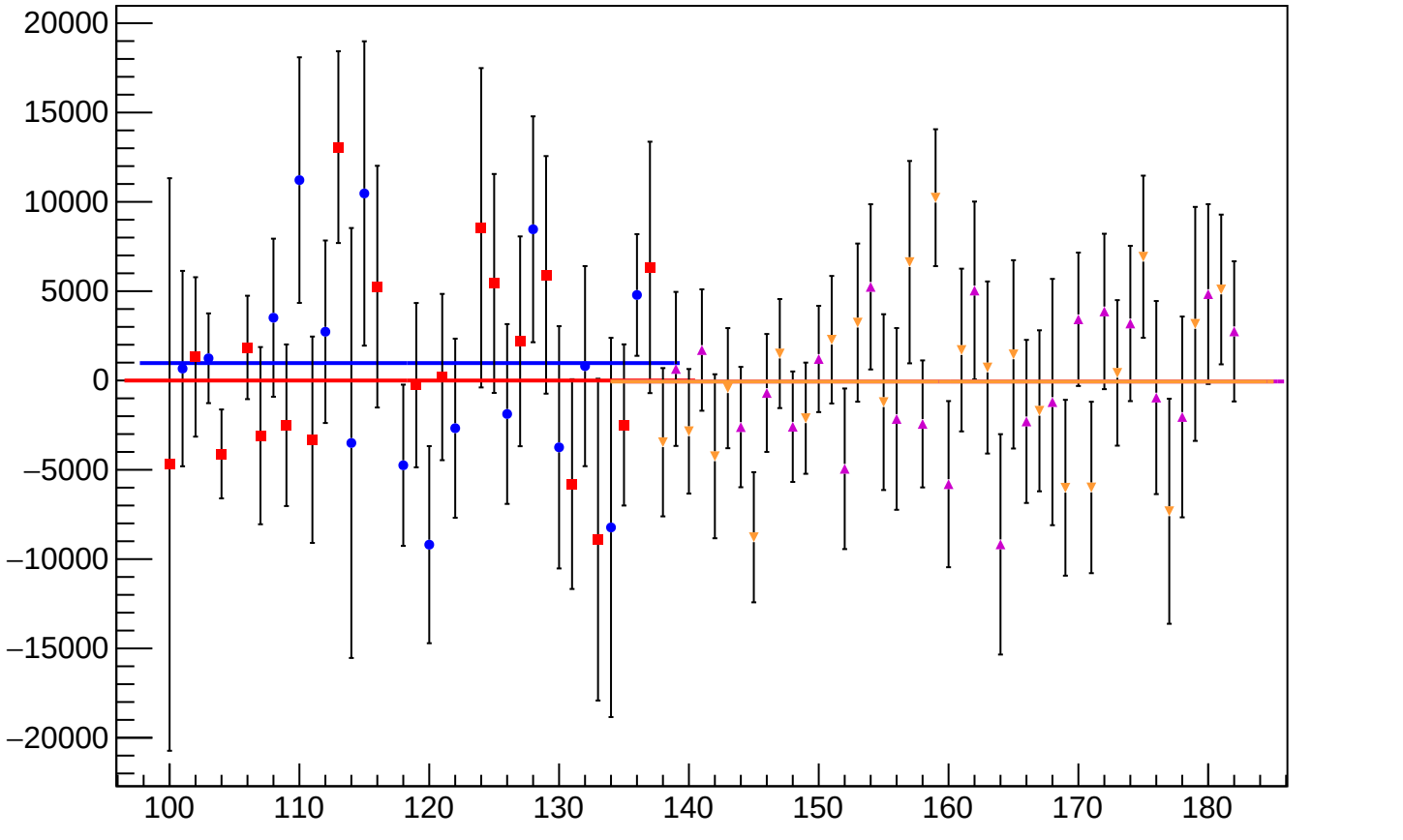
Left: 1103.952+/-0.130 χ^2/NDF: 201081.4/44

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1105.211+/-0.157 χ^2/NDF:902279.5/37

Out: 1097.760+/-0.155 χ^2/NDF:779213.3/41

All: 1101.434+/-0.110 χ^2/NDF: 1682637.4/79



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -59.751+/-874.460 χ^2/NDF:27.1/22

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -56.187+/-883.316 χ^2/NDF:13.7/21

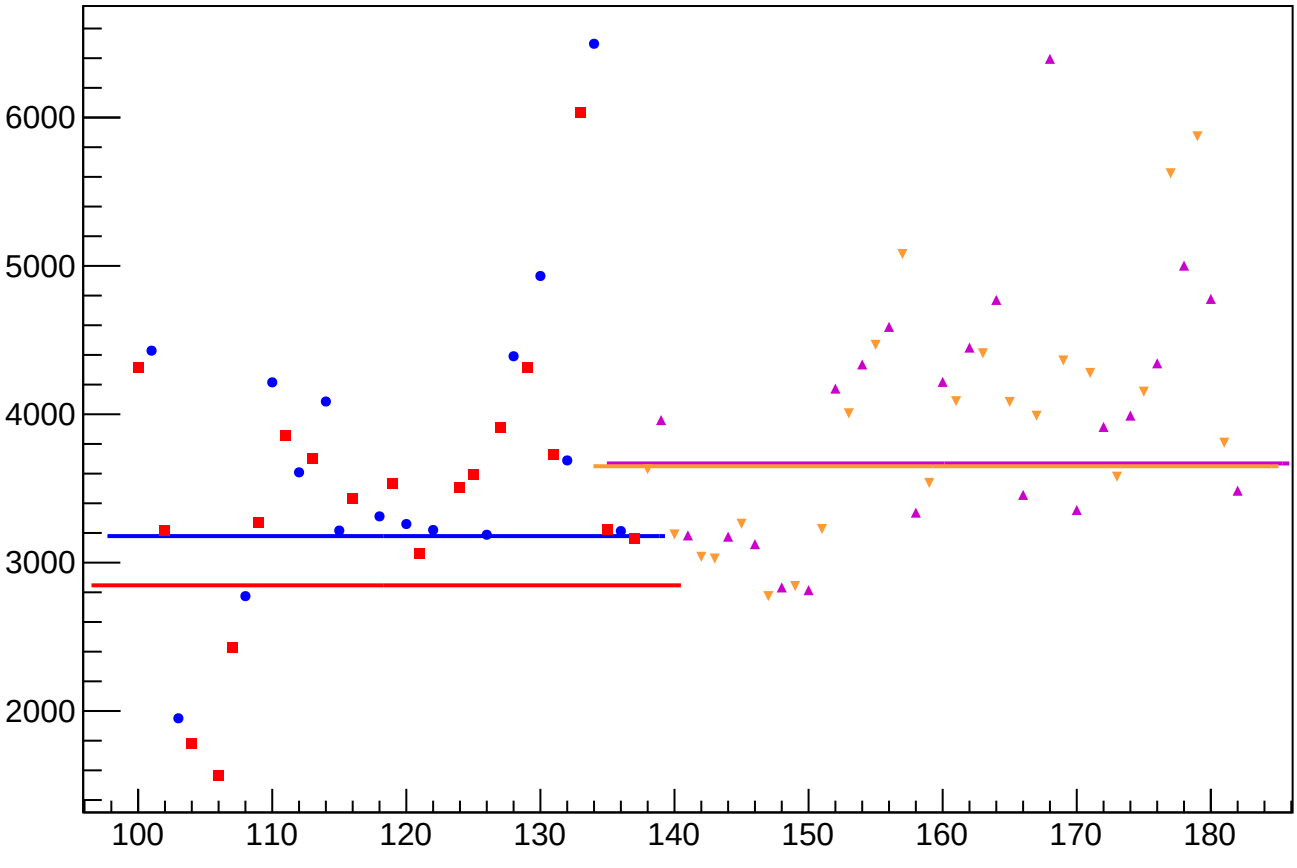
Left: -57.987+/-621.444 χ^2/NDF: 40.8/44

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 293.220+/-718.018 χ^2/NDF:28.0/37

Out: -38.068+/-687.827 χ^2/NDF:43.6/41

All: 120.464+/-496.698 χ^2/NDF: 71.8/79



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3649.612+/-0.618 χ^2/NDF:1310703.7/22

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3668.512+/-0.625 χ^2/NDF:1342900.6/21

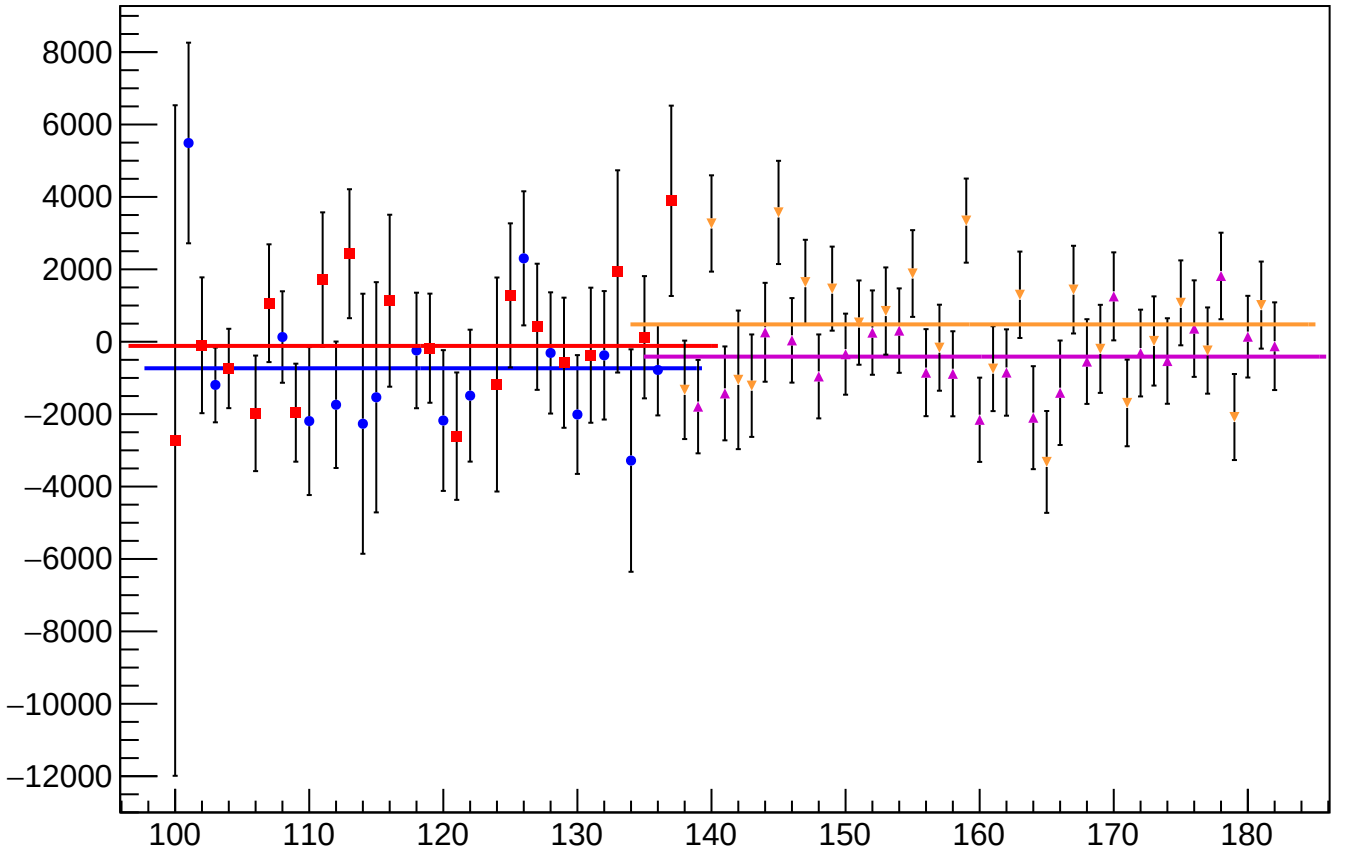
Left: 3658.966+/-0.439 χ^2/NDF: 2654066.7/44

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3502.402+/-0.508 χ^2/NDF:2643061.4/37

Out: 3343.581+/-0.486 χ^2/NDF:3464274.9/41

All: 3419.582+/-0.351 χ^2/NDF: 6158363.4/79



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 479.352+/-259.055 χ^2/NDF:41.2/22

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -411.342+/-259.381 χ^2/NDF:13.7/21

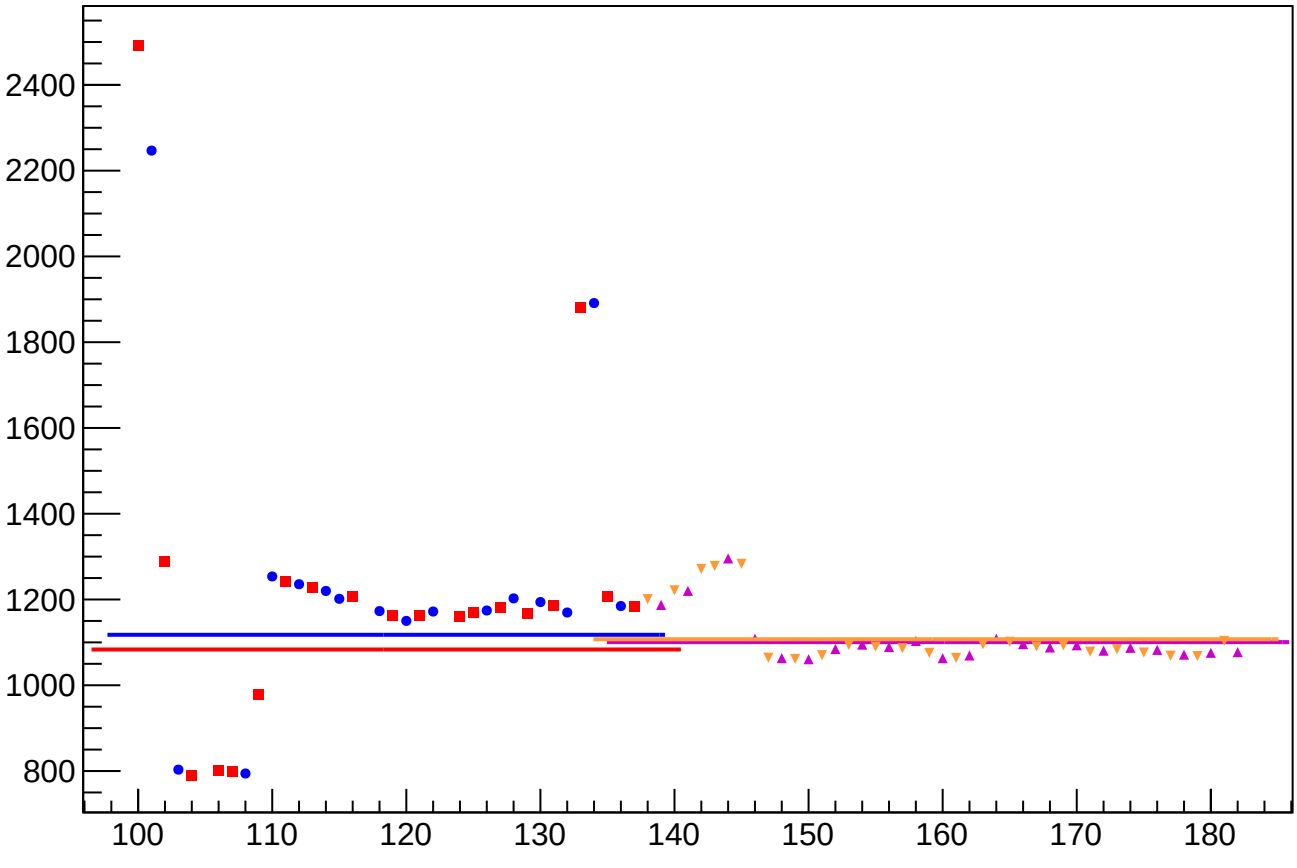
Left: 34.565+/-183.295 χ^2/NDF: 60.7/44

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -497.841+/-221.739 χ^2/NDF:25.8/37

Out: 310.534+/-219.221 χ^2/NDF:55.8/41

All: -89.037+/-155.895 χ^2/NDF: 88.3/79



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1107.278+/-0.183 χ^2/NDF:120307.4/22

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1100.617+/-0.183 χ^2/NDF:80113.6/21

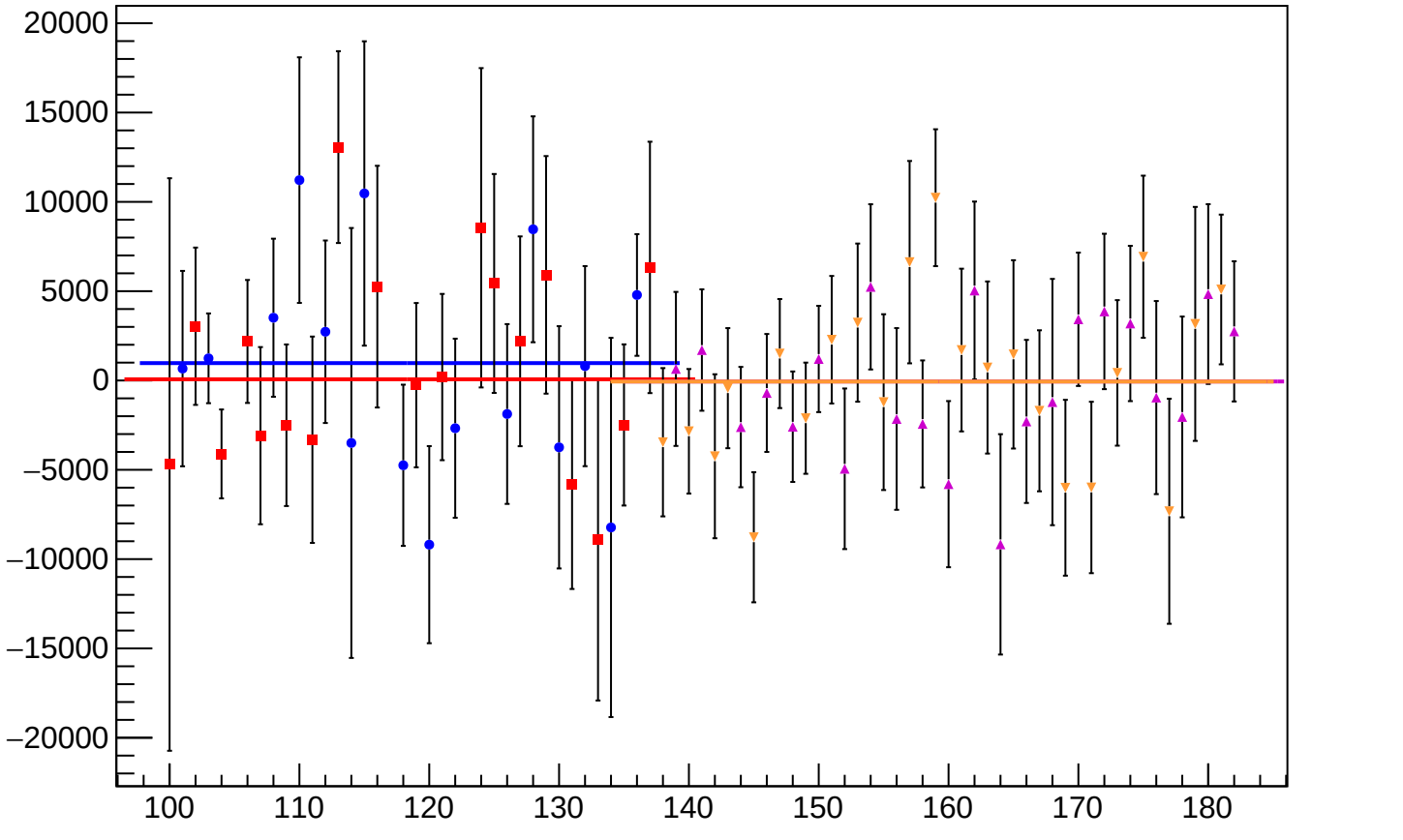
Left: 1103.952+/-0.130 χ^2/NDF: 201081.4/44

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1105.211+/-0.157 χ^2/NDF:902276.2/37

Out: 1100.487+/-0.155 χ^2/NDF:720152.8/41

All: 1102.821+/-0.110 χ^2/NDF: 1622888.4/79



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -59.751+/-874.459 χ^2/NDF:27.1/22

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -56.147+/-883.316 χ^2/NDF:13.7/21

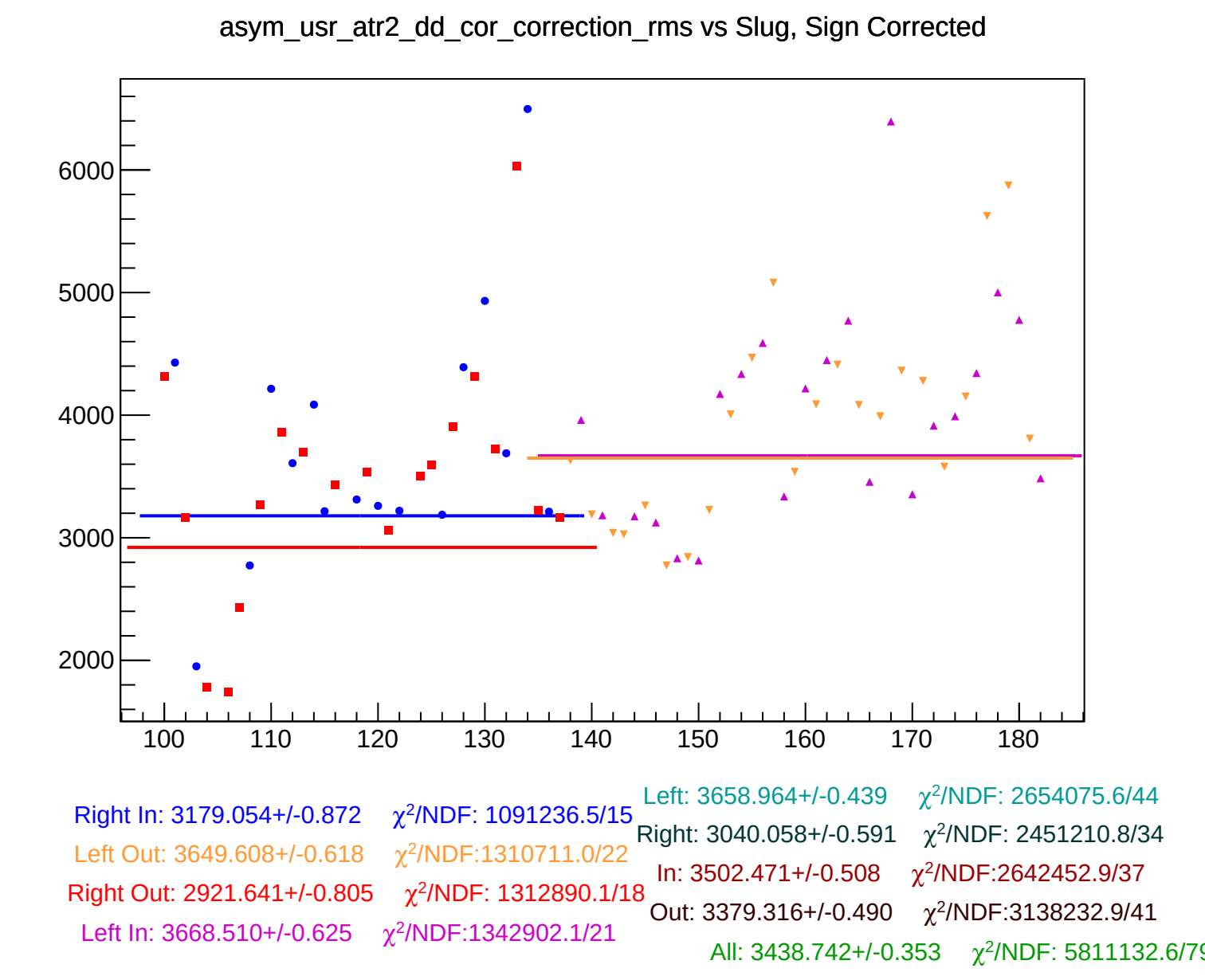
Left: -57.967+/-621.443 χ^2/NDF: 40.8/44

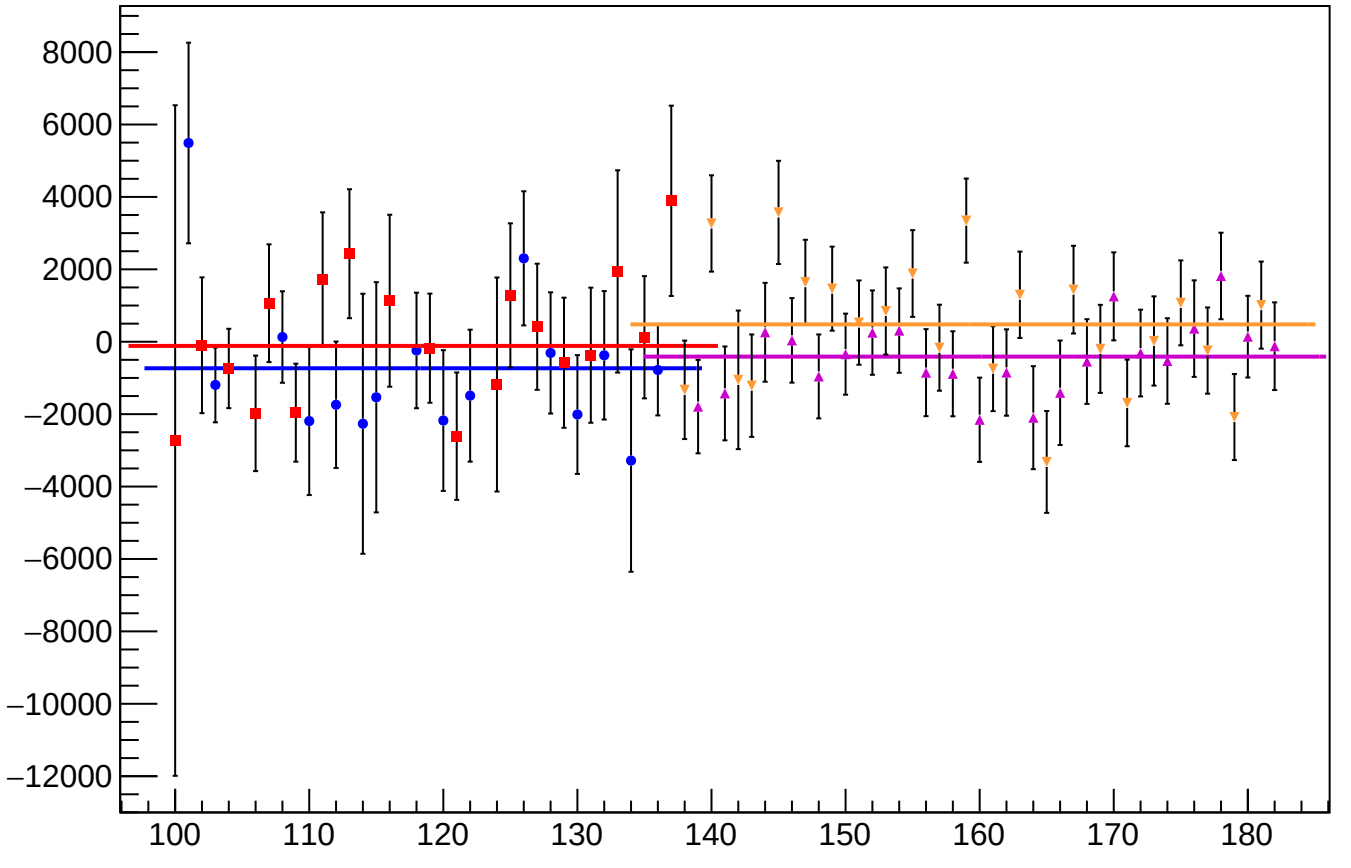
Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 293.058+/-718.027 χ^2/NDF:28.0/37

Out: -12.647+/-693.365 χ^2/NDF:44.0/41

All: 134.865+/-498.774 χ^2/NDF: 72.1/79


asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3649.608+/-0.618 χ²/NDF:1310711.0/22
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3668.510+/-0.625 χ²/NDF:1342902.1/21
Left: 3658.964+/-0.439 χ²/NDF: 2654075.6/44
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3502.471+/-0.508 χ²/NDF:2642452.9/37
Out: 3379.316+/-0.490 χ²/NDF:3138232.9/41
All: 3438.742+/-0.353 χ²/NDF: 5811132.6/79



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 479.352+/-259.055 χ^2/NDF:41.2/22

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -411.342+/-259.381 χ^2/NDF:13.7/21

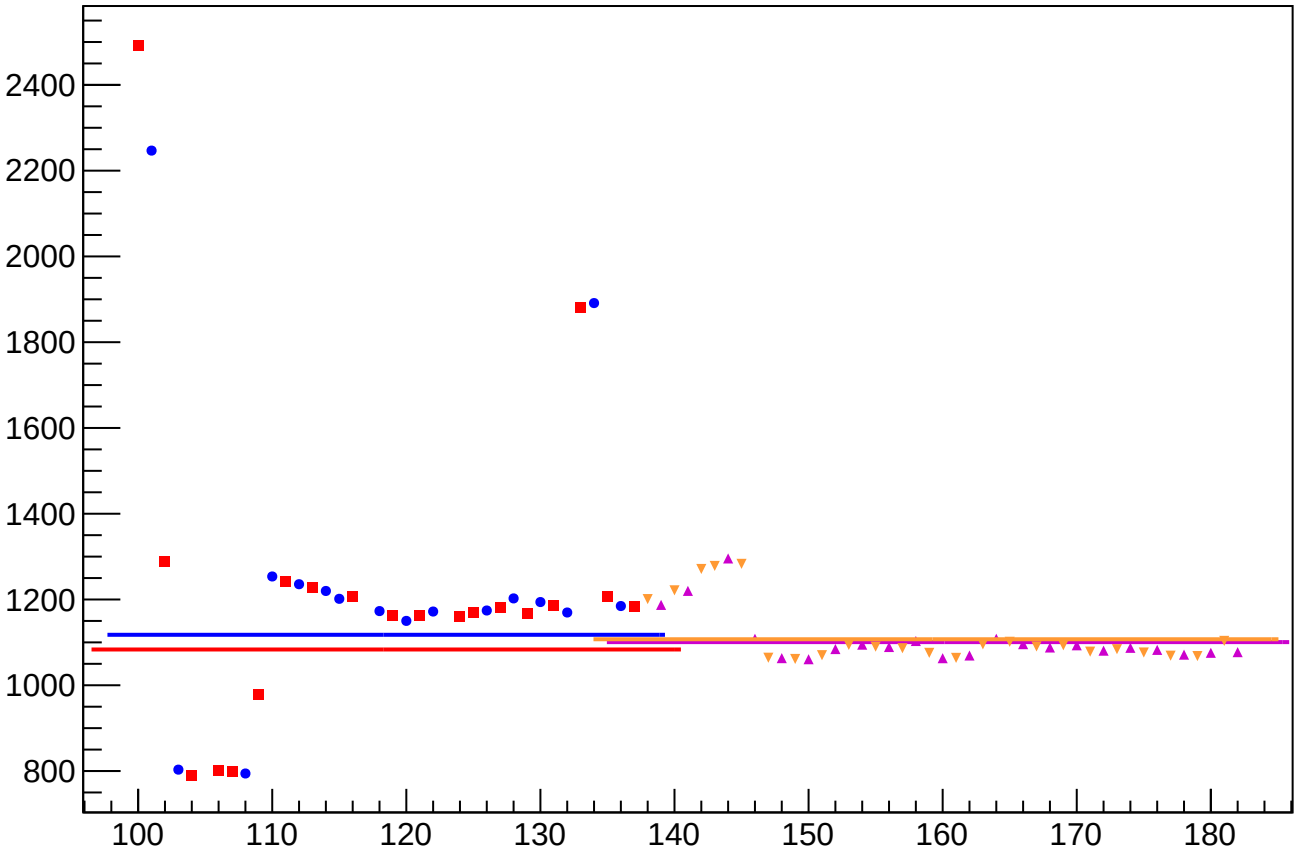
Left: 34.565+/-183.295 χ^2/NDF: 60.7/44

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -497.841+/-221.739 χ^2/NDF:25.8/37

Out: 310.534+/-219.221 χ^2/NDF:55.8/41

All: -89.037+/-155.895 χ^2/NDF: 88.3/79



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1107.278+/-0.183 χ^2/NDF:120307.4/22

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1100.617+/-0.183 χ^2/NDF:80113.6/21

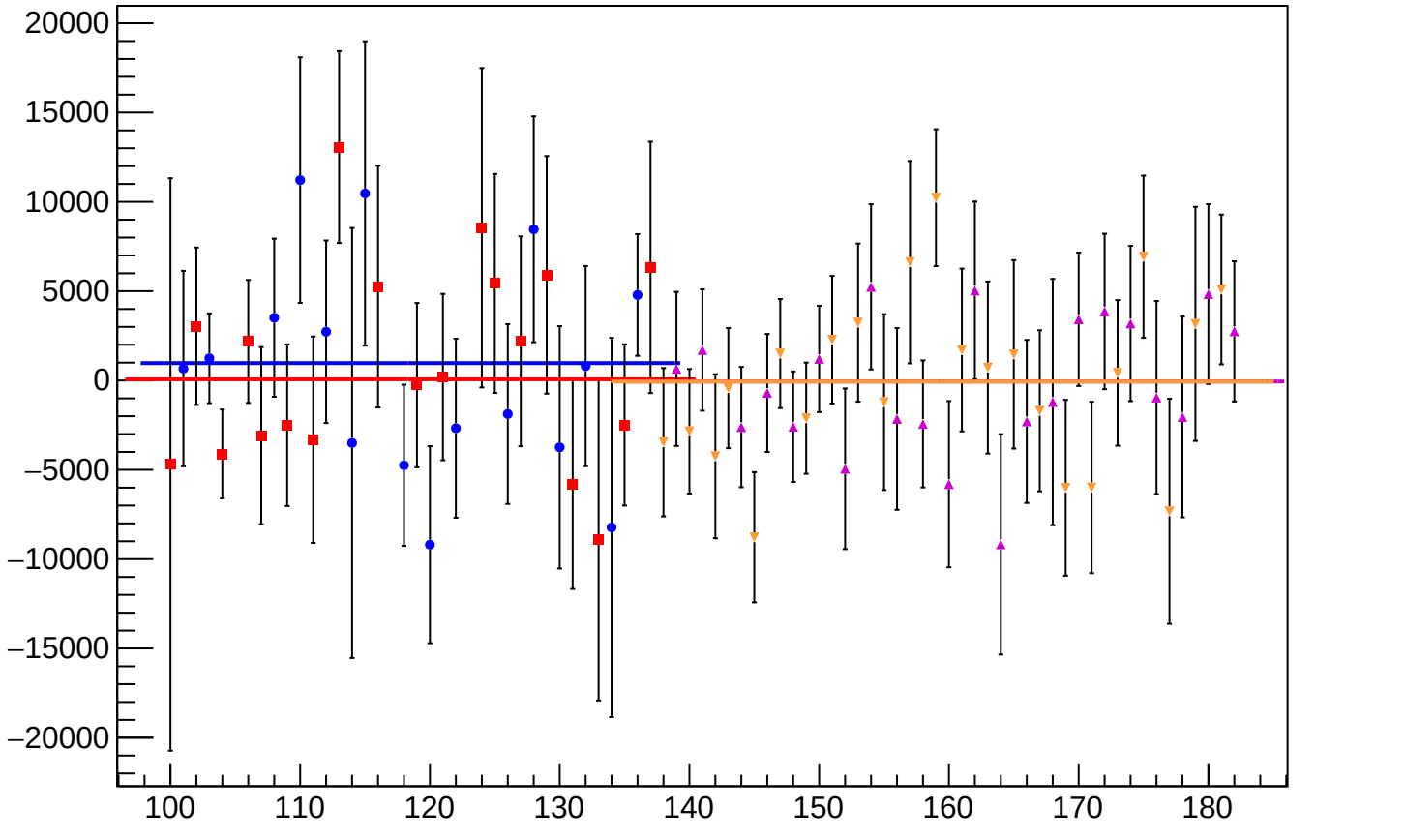
Left: 1103.952+/-0.130 χ^2/NDF: 201081.4/44

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1105.211+/-0.157 χ^2/NDF:902276.2/37

Out: 1100.487+/-0.155 χ^2/NDF:720152.8/41

All: 1102.821+/-0.110 χ^2/NDF: 1622888.4/79



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -59.751+/-874.459 χ^2/NDF:27.1/22

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -56.147+/-883.316 χ^2/NDF:13.7/21

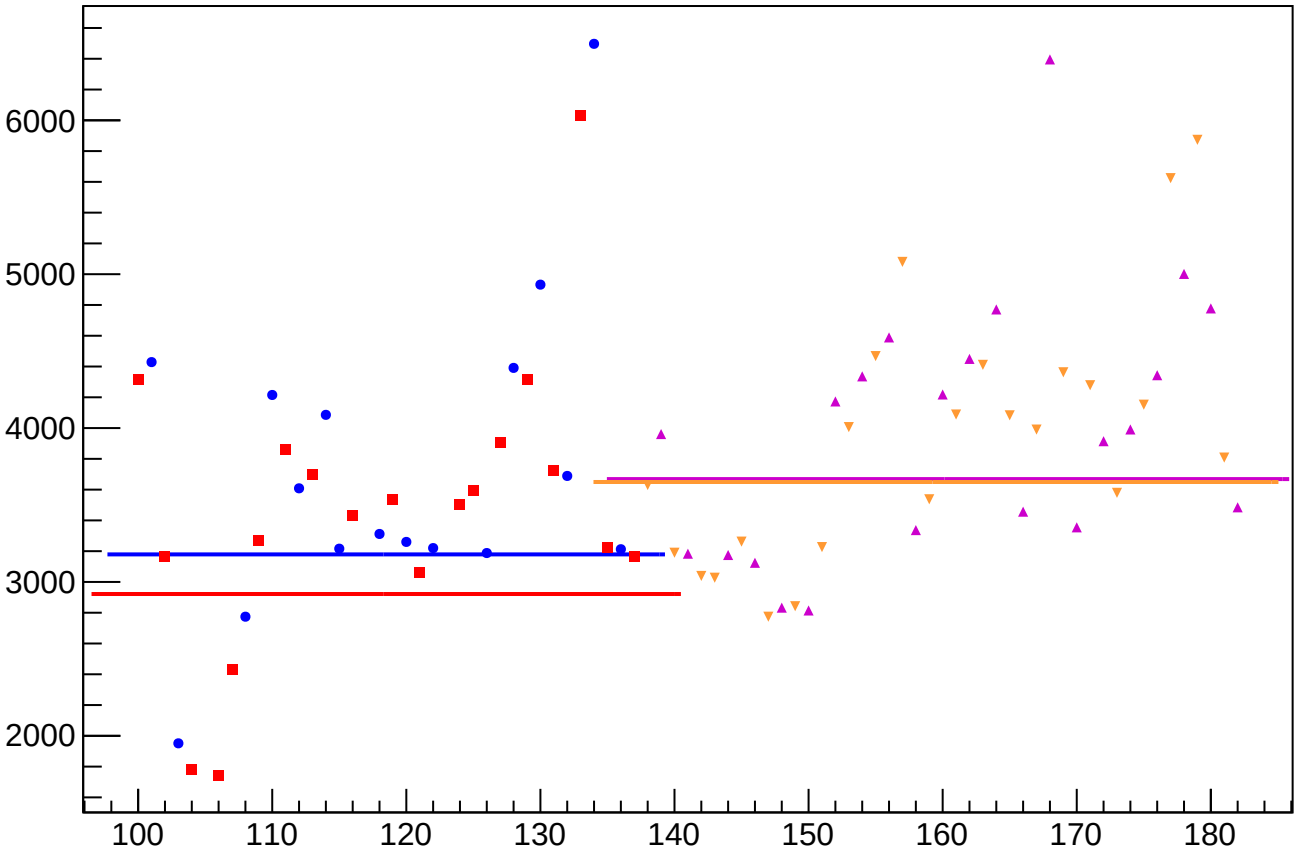
Left: -57.967+/-621.443 χ^2/NDF: 40.8/44

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 293.058+/-718.027 χ^2/NDF:28.0/37

Out: -12.647+/-693.365 χ^2/NDF:44.0/41

All: 134.865+/-498.774 χ^2/NDF: 72.1/79



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3649.608+/-0.618 χ^2/NDF:1310711.0/22

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3668.510+/-0.625 χ^2/NDF:1342902.1/21

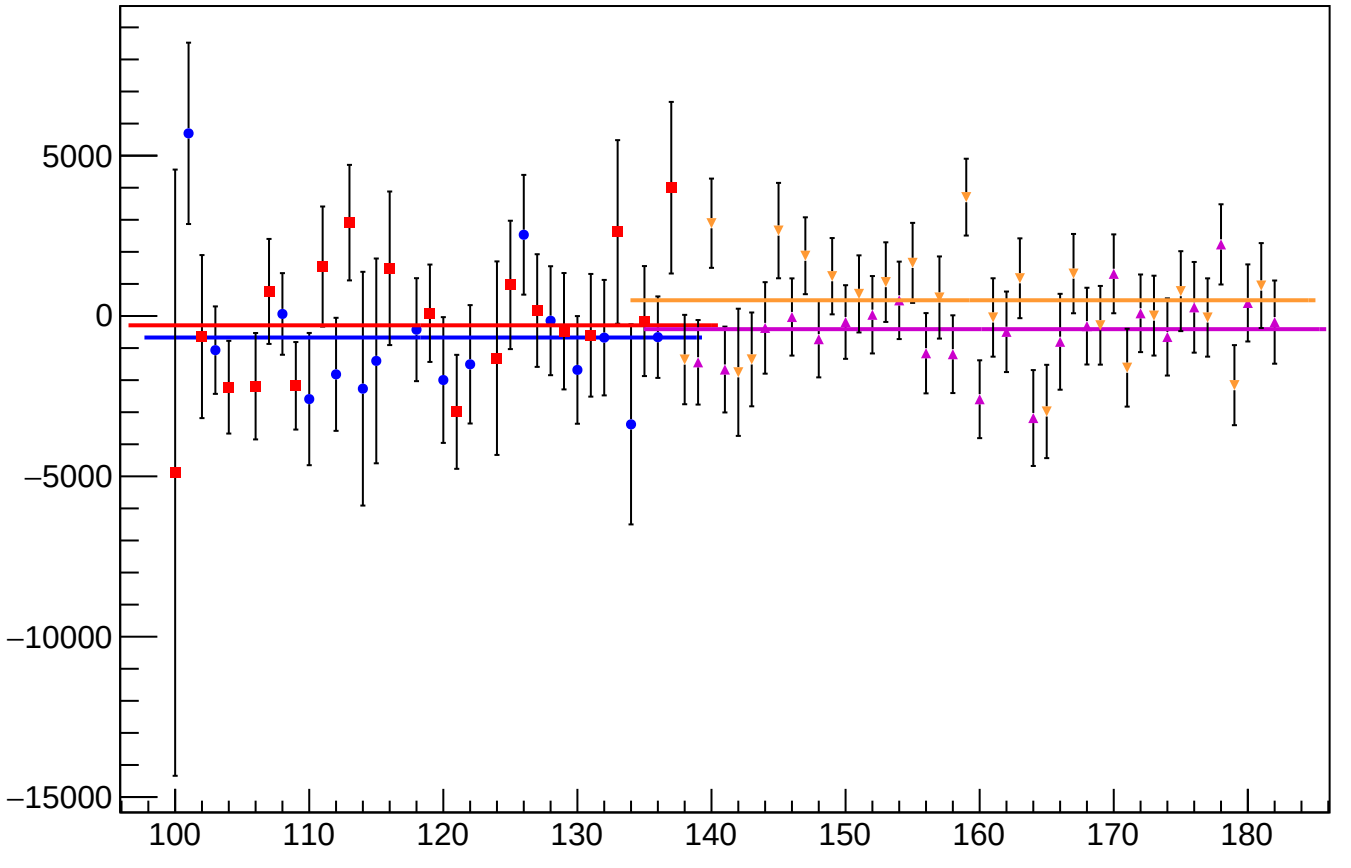
Left: 3658.964+/-0.439 χ^2/NDF: 2654075.6/44

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3502.471+/-0.508 χ^2/NDF:2642452.9/37

Out: 3379.316+/-0.490 χ^2/NDF:3138232.9/41

All: 3438.742+/-0.353 χ^2/NDF: 5811132.6/79



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 490.744+/-268.679 χ^2/NDF:34.8/22

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -410.312+/-268.841 χ^2/NDF:17.3/21

Left: 40.489+/-190.042 χ^2/NDF: 57.8/44

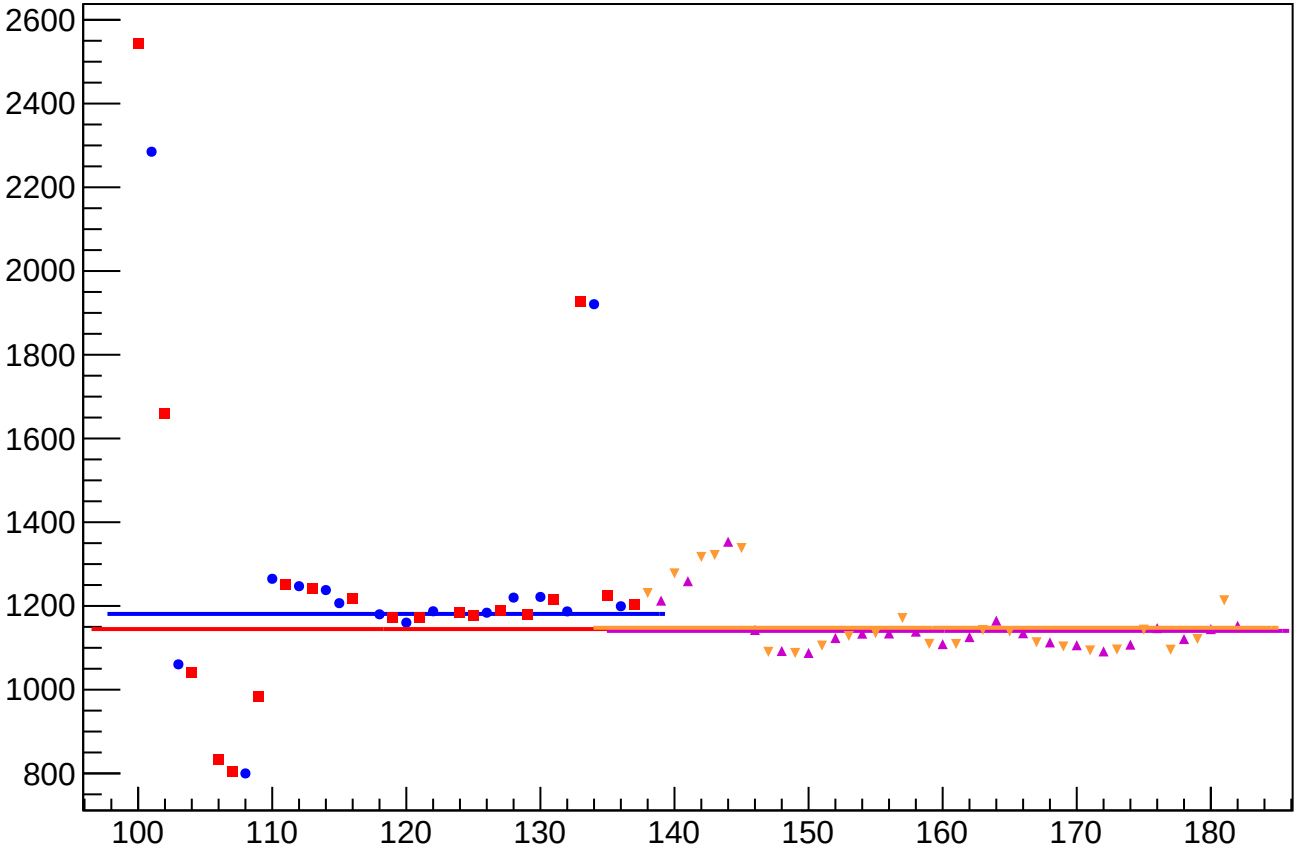
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -479.172+/-230.588 χ^2/NDF:29.4/37

Out: 274.645+/-228.507 χ^2/NDF:54.1/41

All: -98.847+/-162.310 χ^2/NDF: 88.9/79

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1147.856+/-0.190 χ^2/NDF:139074.8/22

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1140.438+/-0.190 χ^2/NDF:84617.1/21

Left: 1144.149+/-0.134 χ^2/NDF: 224453.7/44

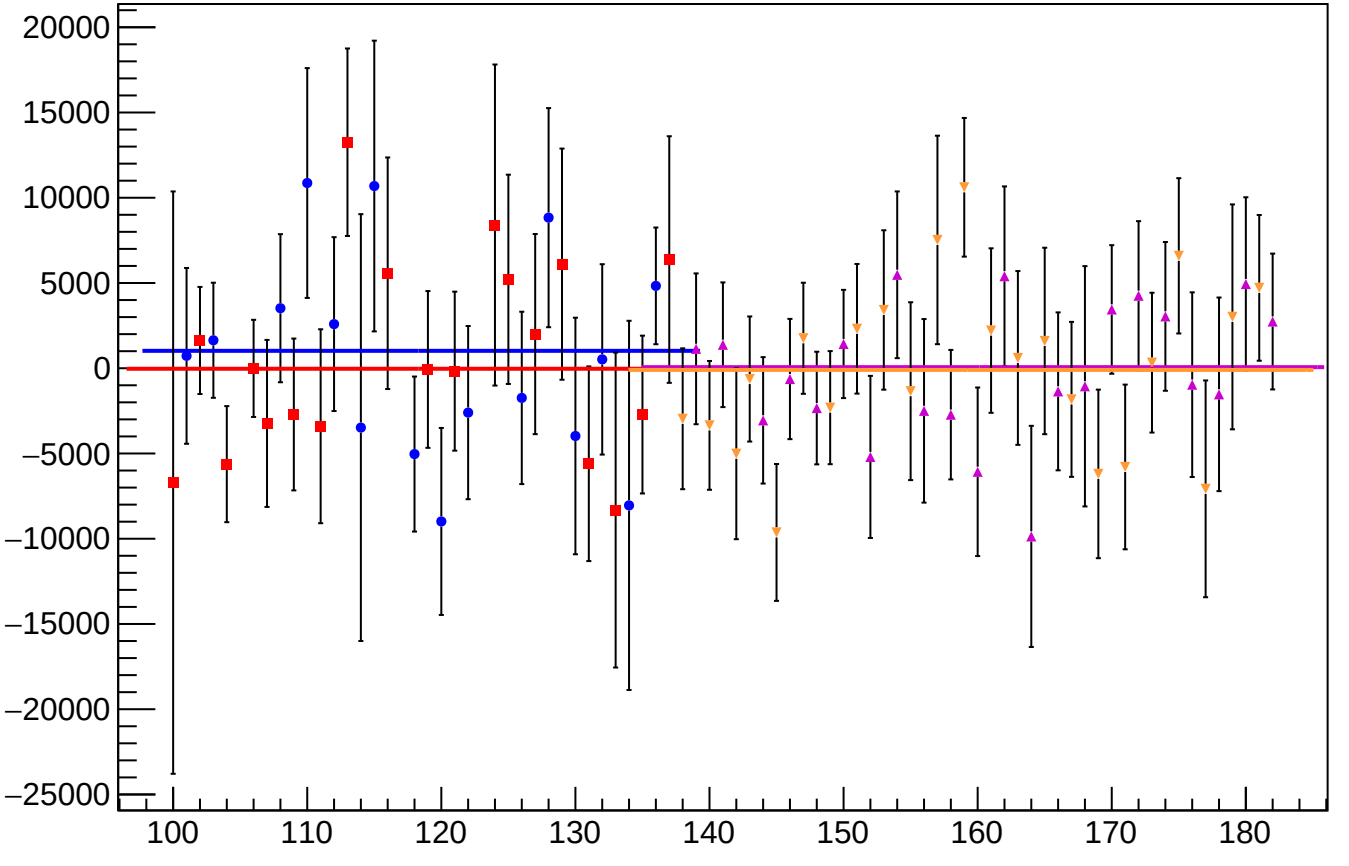
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1151.148+/-0.163 χ^2/NDF:718503.8/37

Out: 1147.003+/-0.162 χ^2/NDF:636878.1/41

All: 1149.057+/-0.115 χ^2/NDF: 1355708.0/79

asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -98.244+/-918.197 χ^2/NDF:26.4/22

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: 63.510+/-924.772 χ^2/NDF:13.6/21

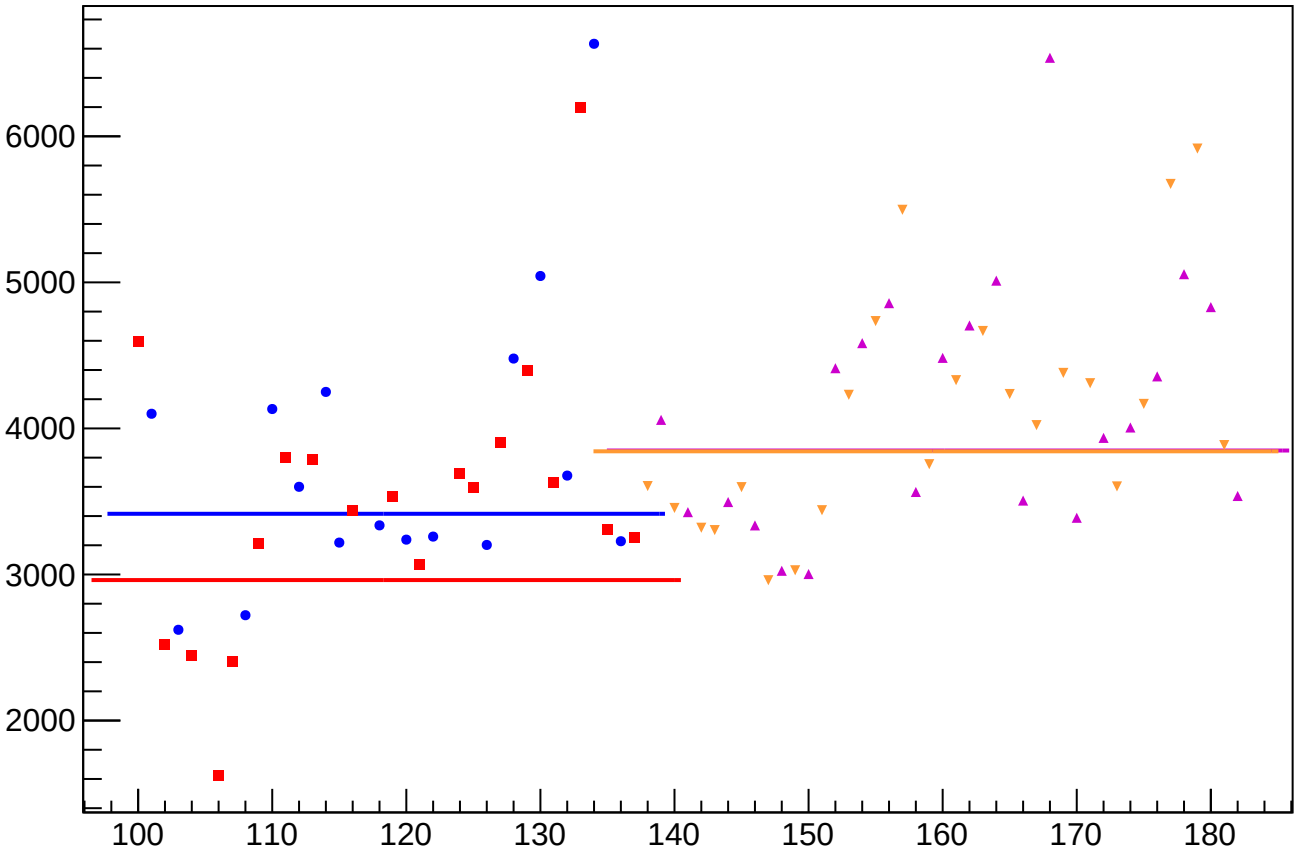
Left: -17.944+/-651.576 χ^2/NDF: 40.0/44

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 384.451+/-754.031 χ^2/NDF:27.8/37

Out: -71.179+/-712.790 χ^2/NDF:42.5/41

All: 143.835+/-517.985 χ^2/NDF: 70.5/79



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3843.346+/-0.649 χ^2/NDF:1118361.4/22

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3848.713+/-0.654 χ^2/NDF:1192578.5/21

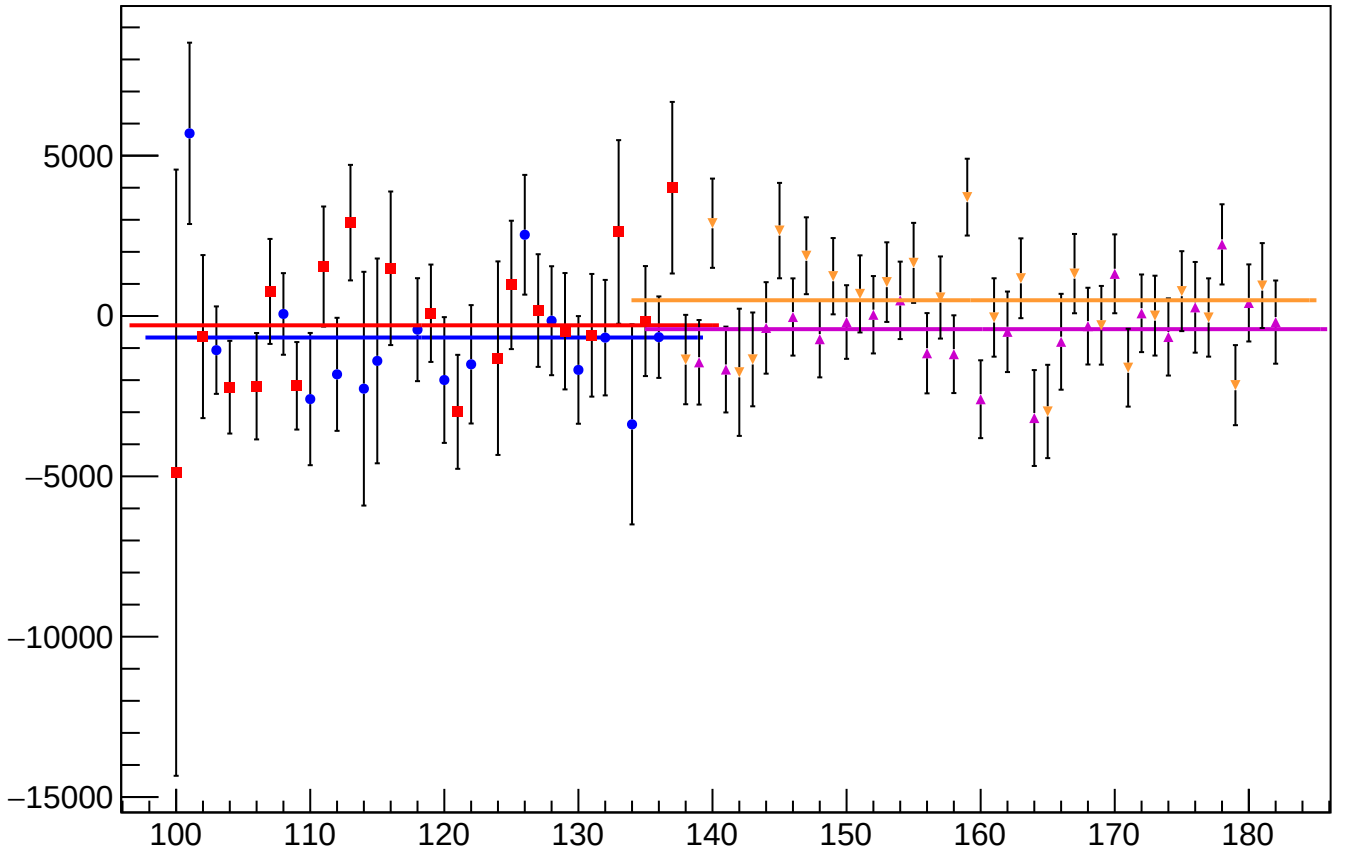
Left: 3846.011+/-0.461 χ^2/NDF: 2310973.8/44

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3703.544+/-0.533 χ^2/NDF:1931965.1/37

Out: 3493.045+/-0.504 χ^2/NDF:3020181.8/41

All: 3592.381+/-0.366 χ^2/NDF: 5034458.4/79



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 490.749+/-268.679 χ^2/NDF:34.8/22

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -410.311+/-268.841 χ^2/NDF:17.3/21

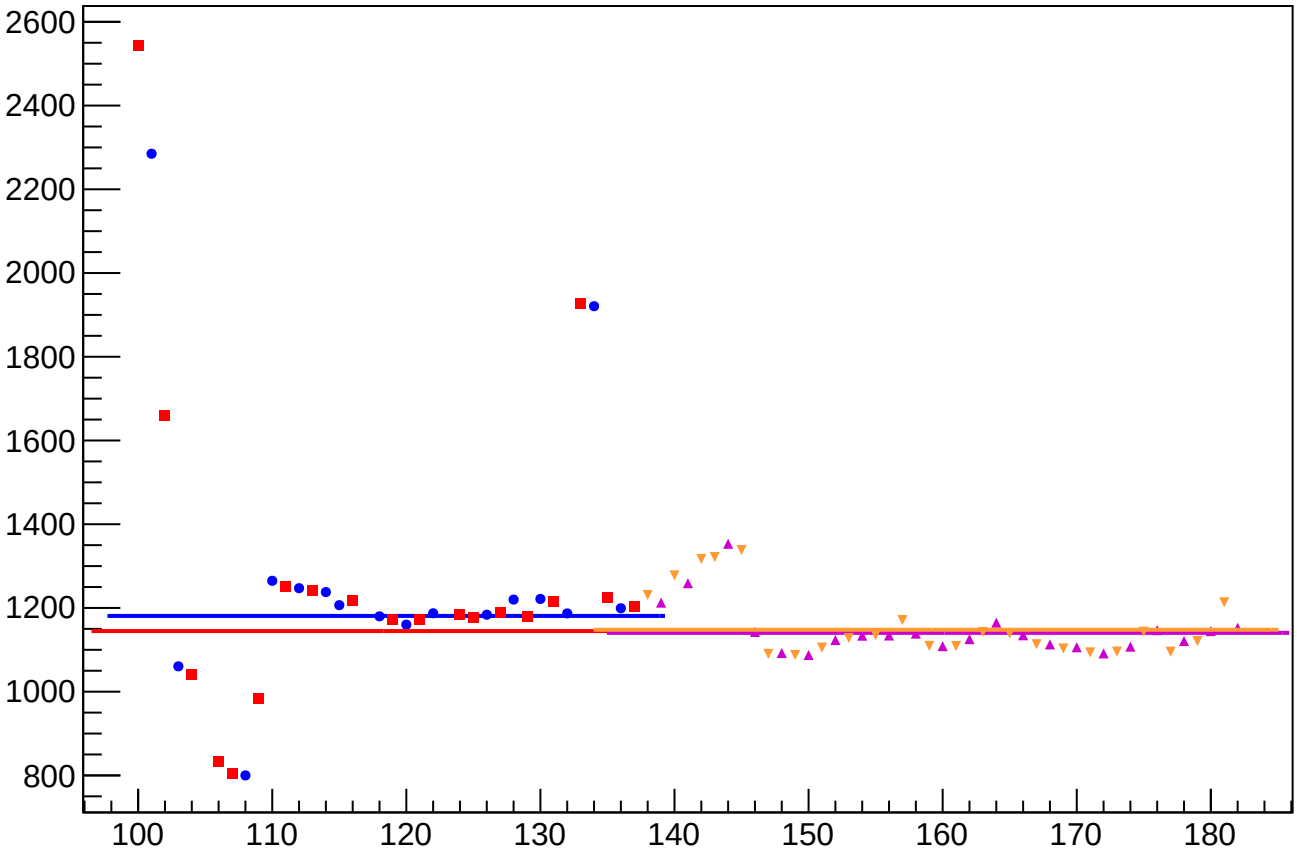
Left: 40.491+/-190.042 χ^2/NDF: 57.8/44

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -479.173+/-230.588 χ^2/NDF:29.4/37

Out: 274.647+/-228.507 χ^2/NDF:54.1/41

All: -98.846+/-162.310 χ^2/NDF: 88.9/79



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1147.856+/-0.190 χ^2/NDF:139074.8/22

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1140.438+/-0.190 χ^2/NDF:84616.8/21

Left: 1144.150+/-0.134 χ^2/NDF: 224453.4/44

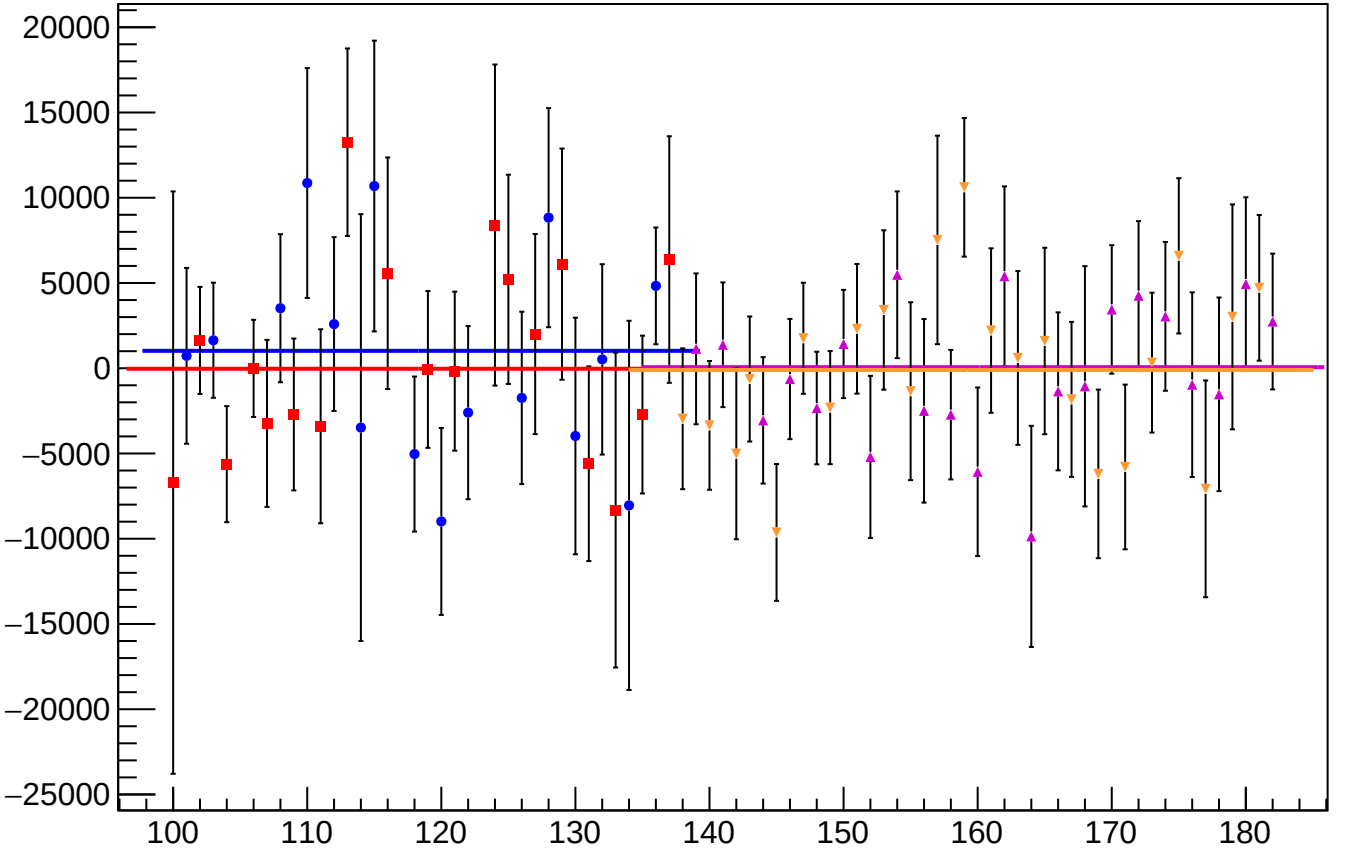
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1151.148+/-0.163 χ^2/NDF:718503.3/37

Out: 1147.004+/-0.162 χ^2/NDF:636877.7/41

All: 1149.057+/-0.115 χ^2/NDF: 1355707.1/79

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -98.243+/-918.199 χ^2/NDF:26.4/22

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 63.512+/-924.774 χ^2/NDF:13.6/21

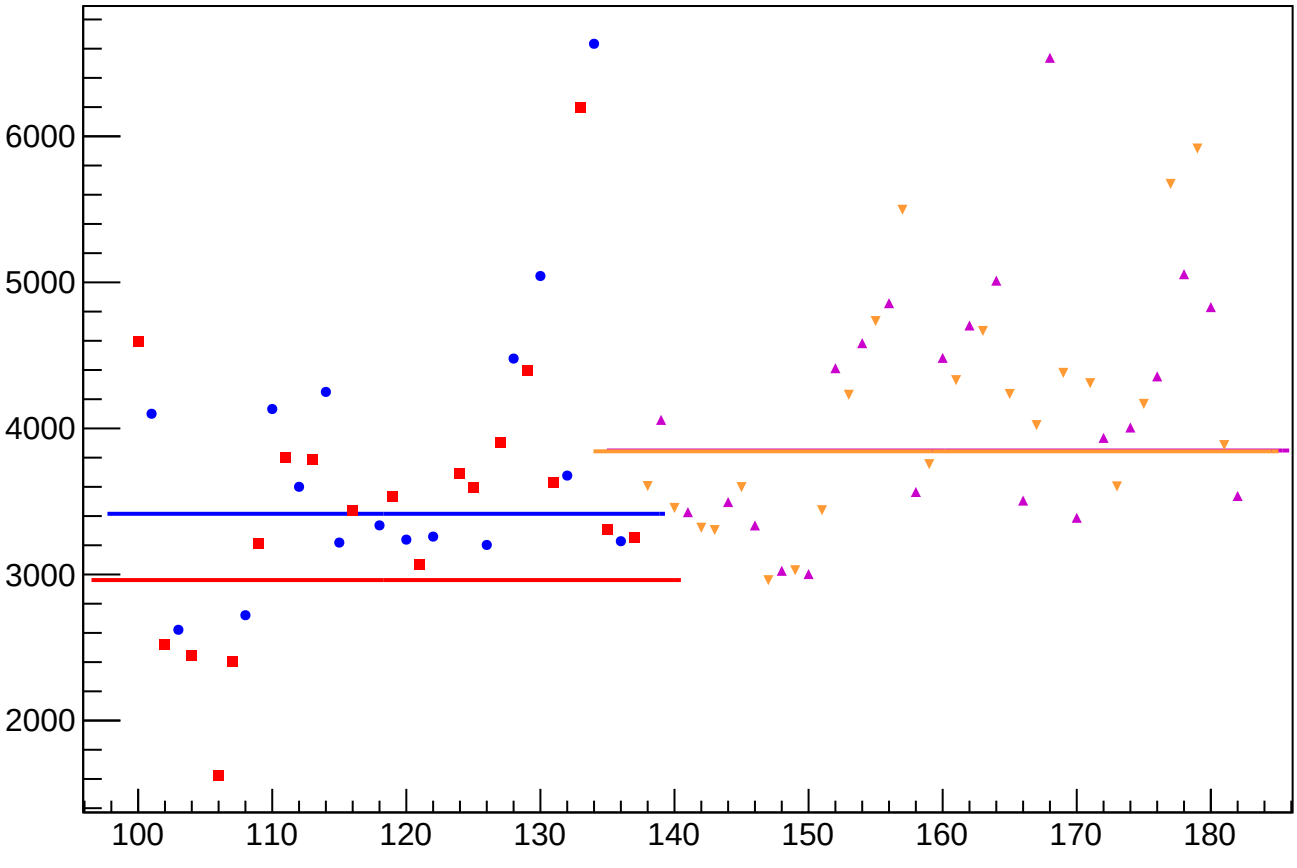
Left: -17.942+/-651.577 χ^2/NDF: 40.0/44

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 384.447+/-754.031 χ^2/NDF:27.8/37

Out: -71.181+/-712.790 χ^2/NDF:42.5/41

All: 143.832+/-517.985 χ^2/NDF: 70.5/79



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3843.352+/-0.649 χ^2/NDF:1118363.0/22

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3848.718+/-0.654 χ^2/NDF:1192582.4/21

Left: 3846.016+/-0.461 χ^2/NDF: 2310979.3/44

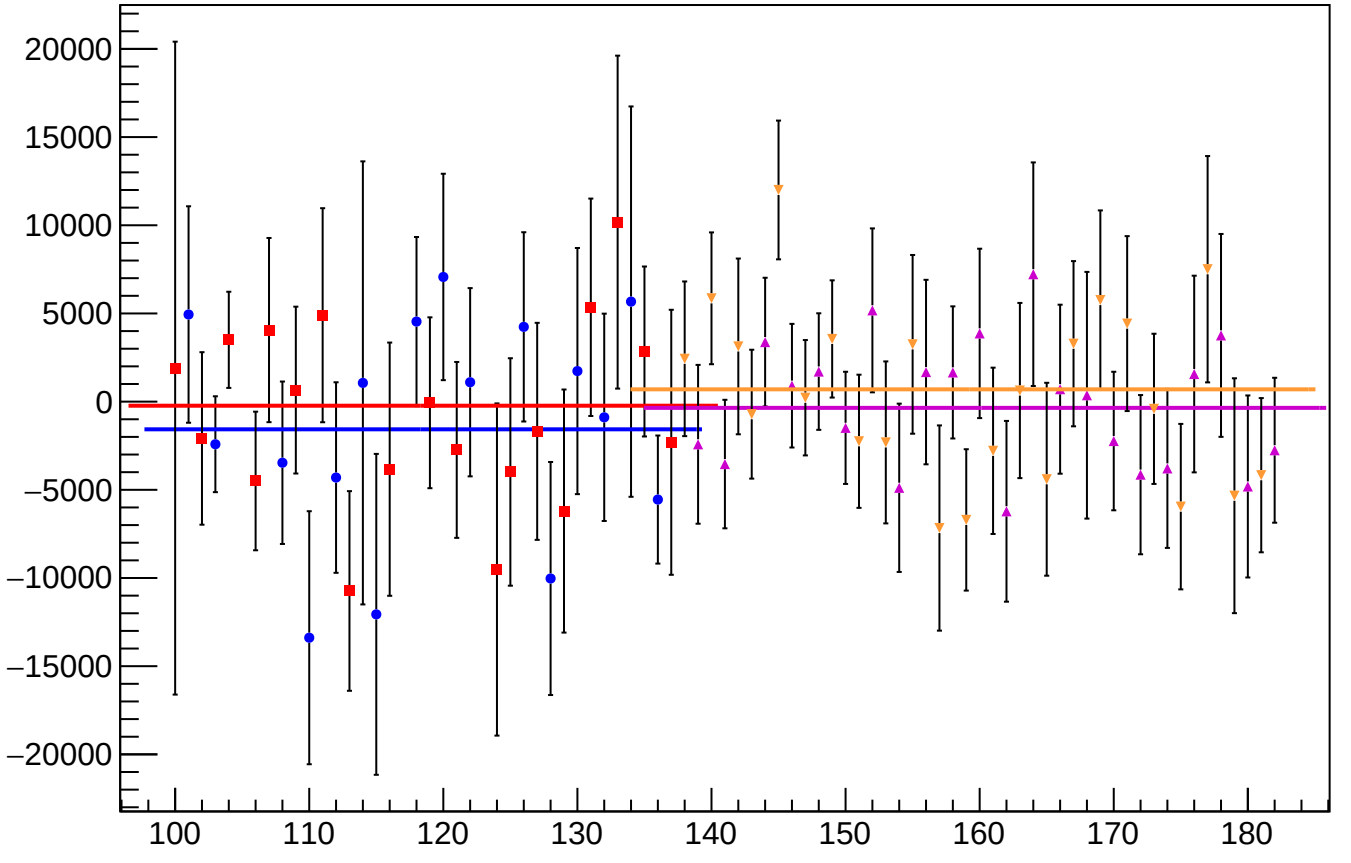
Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3703.545+/-0.533 χ^2/NDF:1931969.9/37

Out: 3493.045+/-0.504 χ^2/NDF:3020200.9/41

All: 3592.382+/-0.366 χ^2/NDF: 5034483.5/79

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 697.608+/-920.790 χ^2/NDF:26.5/22

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: -353.466+/-927.529 χ^2/NDF:12.2/21

Left: 175.903+/-653.466 χ^2/NDF: 39.4/44

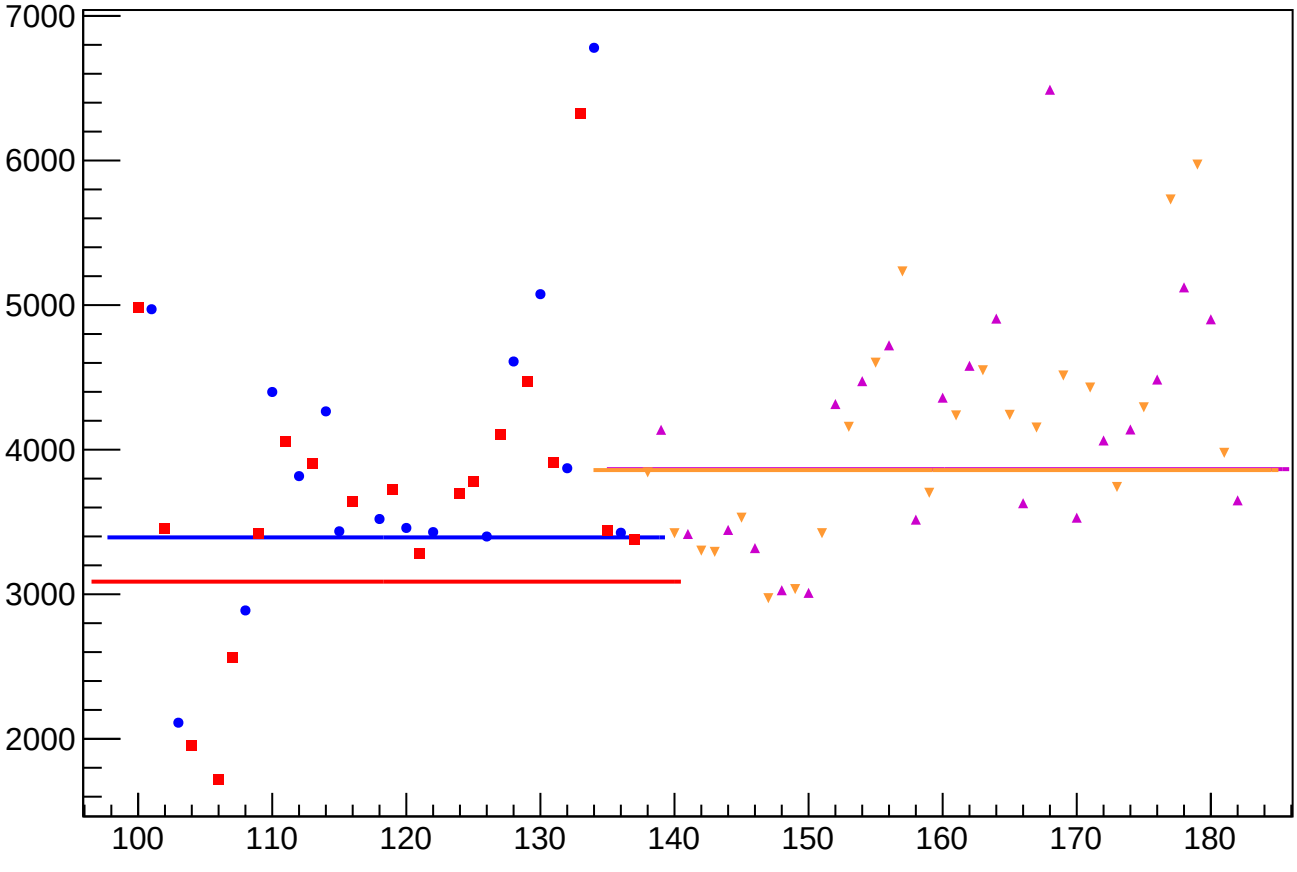
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -758.414+/-757.557 χ^2/NDF:27.3/37

Out: 362.076+/-735.895 χ^2/NDF:40.1/41

All: -181.920+/-527.849 χ^2/NDF: 68.5/79

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3858.918+/-0.651 χ^2/NDF:1097135.7/22

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3865.333+/-0.656 χ^2/NDF:1141040.7/21

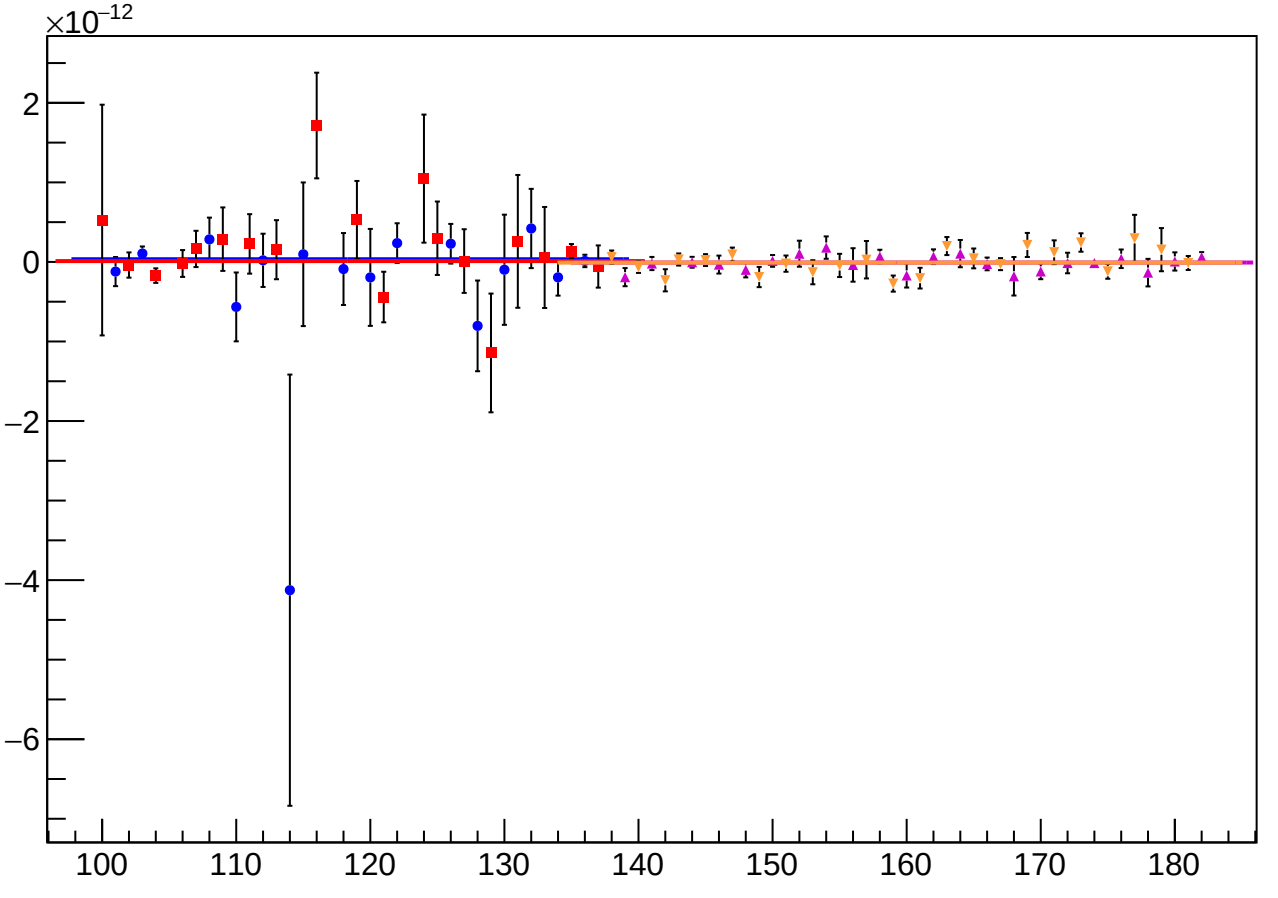
Left: 3862.102+/-0.462 χ^2/NDF: 2238224.6/44

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3708.204+/-0.536 χ^2/NDF:2362150.7/37

Out: 3574.108+/-0.517 χ^2/NDF:2943889.7/41

All: 3638.798+/-0.372 χ^2/NDF: 5338475.2/79



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/21

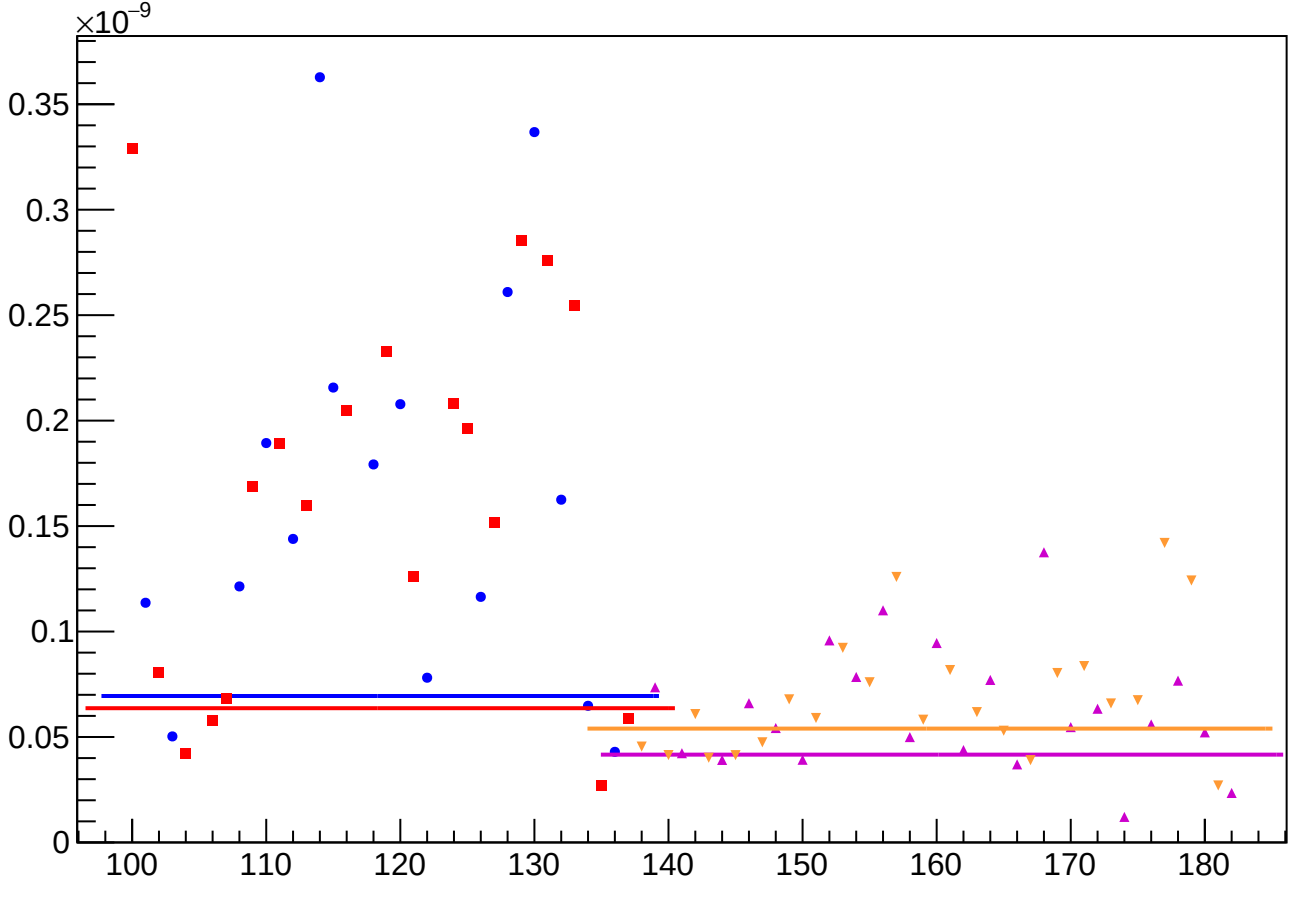
Left: -0.000+/-0.000 χ^2/NDF: 44.1/44

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:25.0/37

Out: -0.000+/-0.000 χ^2/NDF:53.6/41

All: -0.000+/-0.000 χ^2/NDF: 78.6/79



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1490241.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2938735.4/21

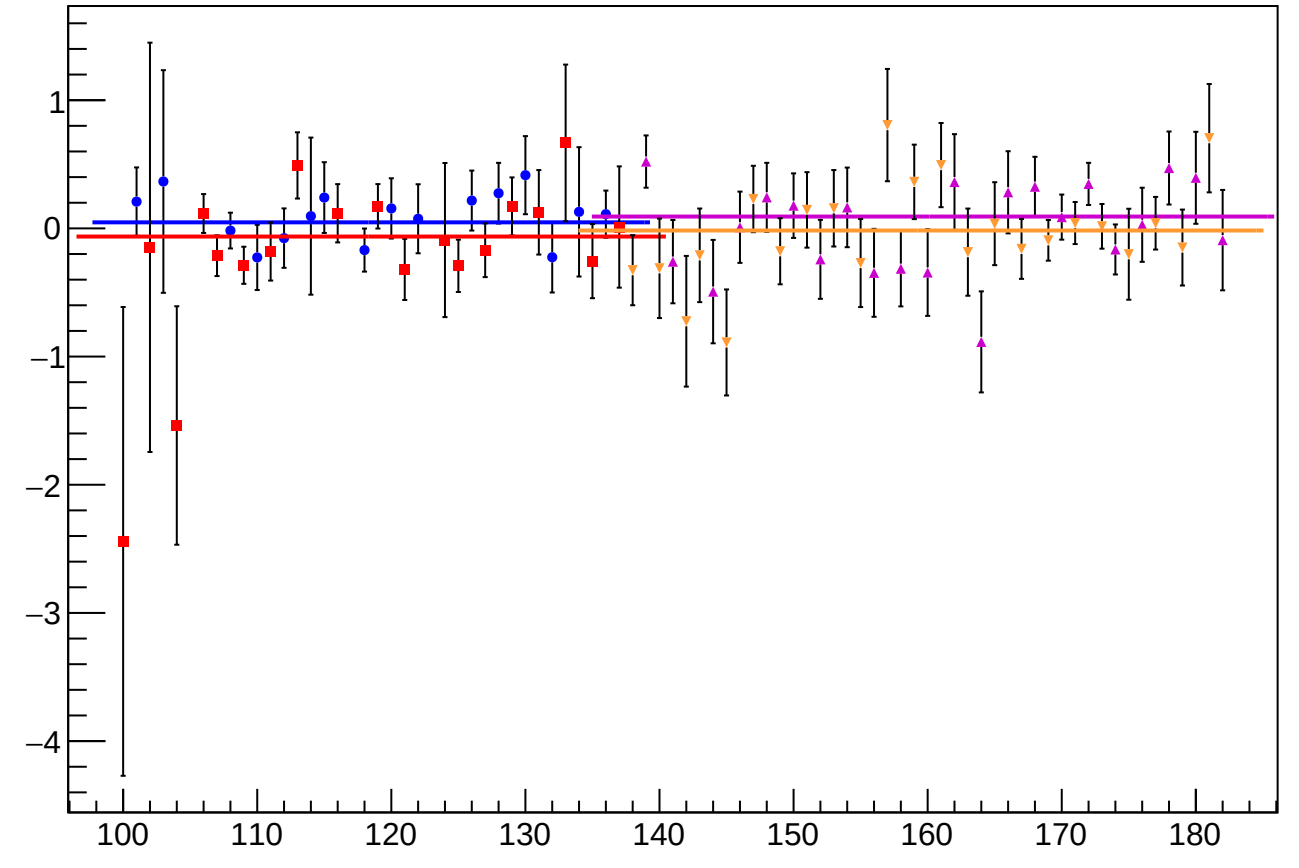
Left: 0.000+/-0.000 χ^2/NDF: 4777388.0/44

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:5224523.2/37

Out: 0.000+/-0.000 χ^2/NDF:3804116.7/41

All: 0.000+/-0.000 χ^2/NDF: 9305195.8/79



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.017+/-0.056 χ^2/NDF:23.2/22

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.092+/-0.057 χ^2/NDF:29.6/21

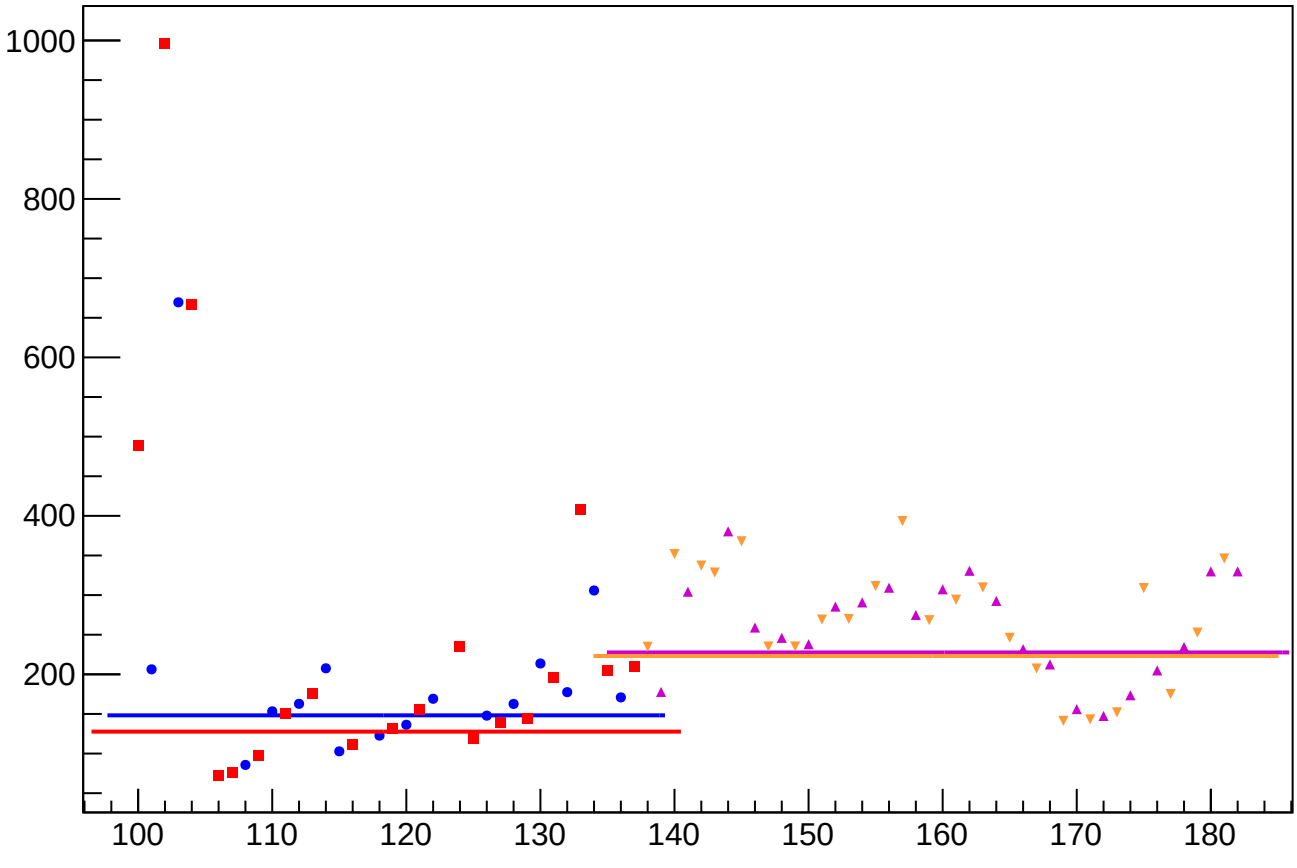
Left: 0.037+/-0.040 χ^2/NDF: 54.6/44

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.041 χ^2/NDF:38.4/37

Out: -0.041+/-0.039 χ^2/NDF:45.7/41

All: 0.012+/-0.028 χ^2/NDF: 88.0/79



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 223.154+/-0.040 χ^2/NDF:3324361.6/22

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 227.625+/-0.040 χ^2/NDF:2472520.0/21

Left: 225.346+/-0.028 χ^2/NDF: 5803149.2/44

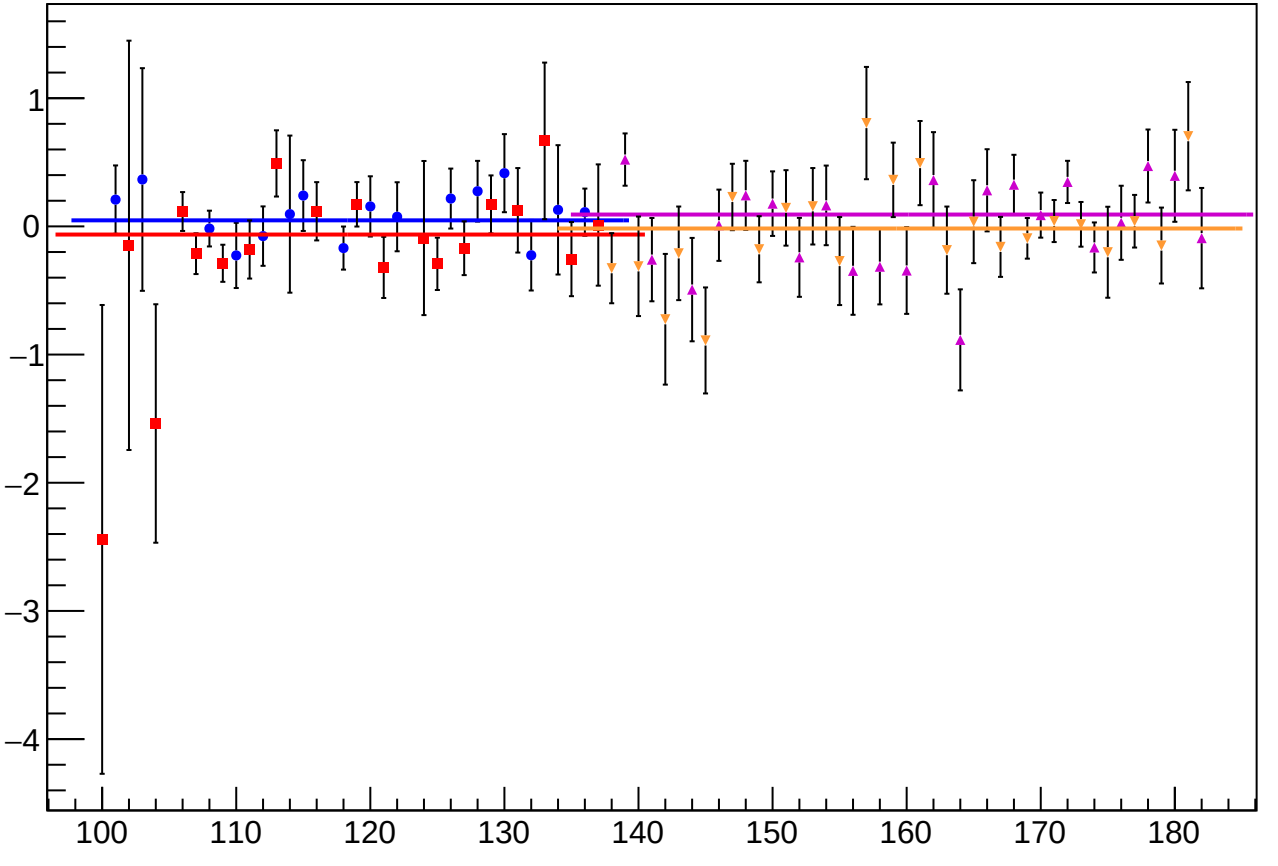
Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 189.978+/-0.029 χ^2/NDF:6021521.6/37

Out: 174.336+/-0.028 χ^2/NDF:9146719.1/41

All: 181.720+/-0.020 χ^2/NDF: 15319417.2/79

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: -0.017+/-0.056 χ^2/NDF:23.2/22

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.092+/-0.057 χ^2/NDF:29.6/21

Left: 0.037+/-0.040 χ^2/NDF: 54.6/44

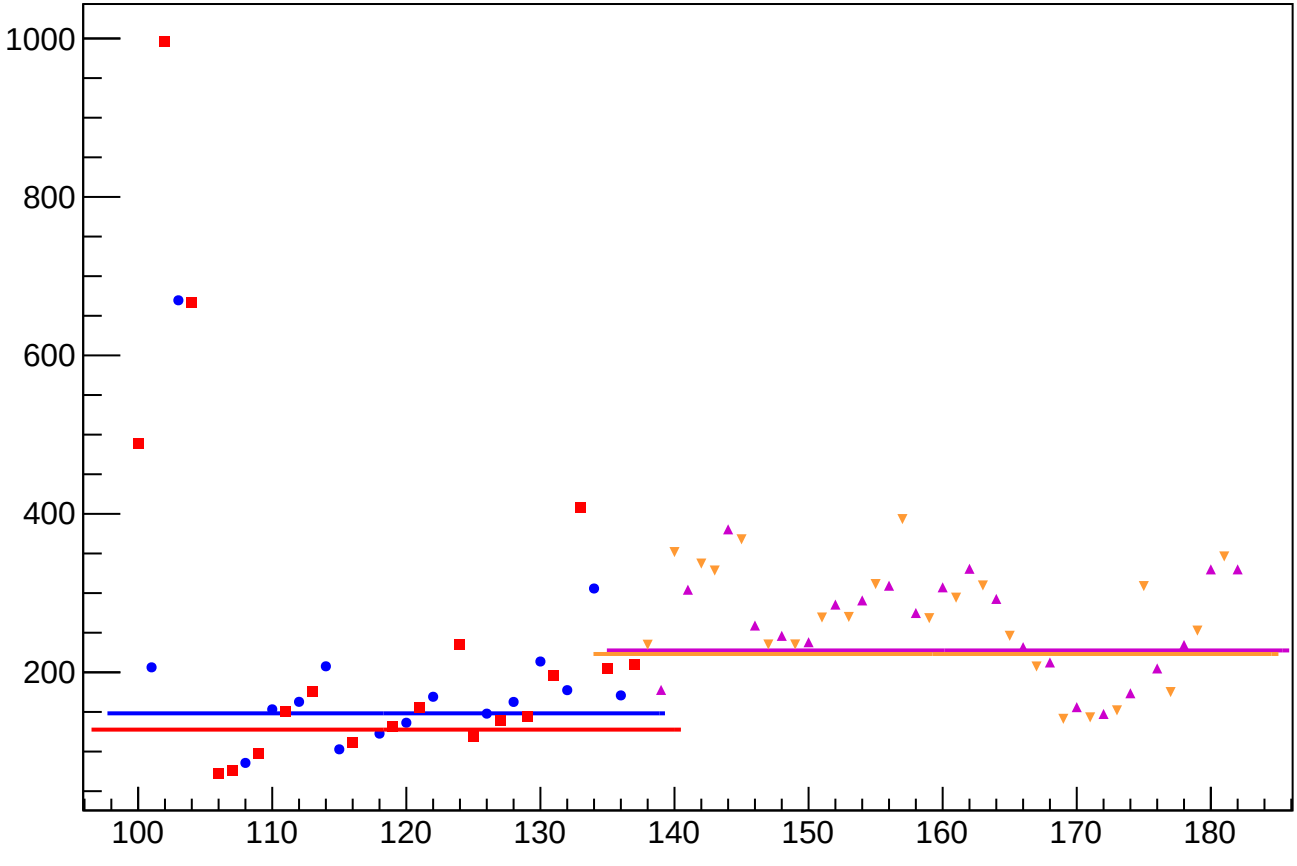
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.041 χ^2/NDF:38.4/37

Out: -0.041+/-0.039 χ^2/NDF:45.7/41

All: 0.012+/-0.028 χ^2/NDF: 88.0/79

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 223.154+/-0.040 χ^2/NDF:3324361.6/22

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 227.625+/-0.040 χ^2/NDF:2472520.0/21

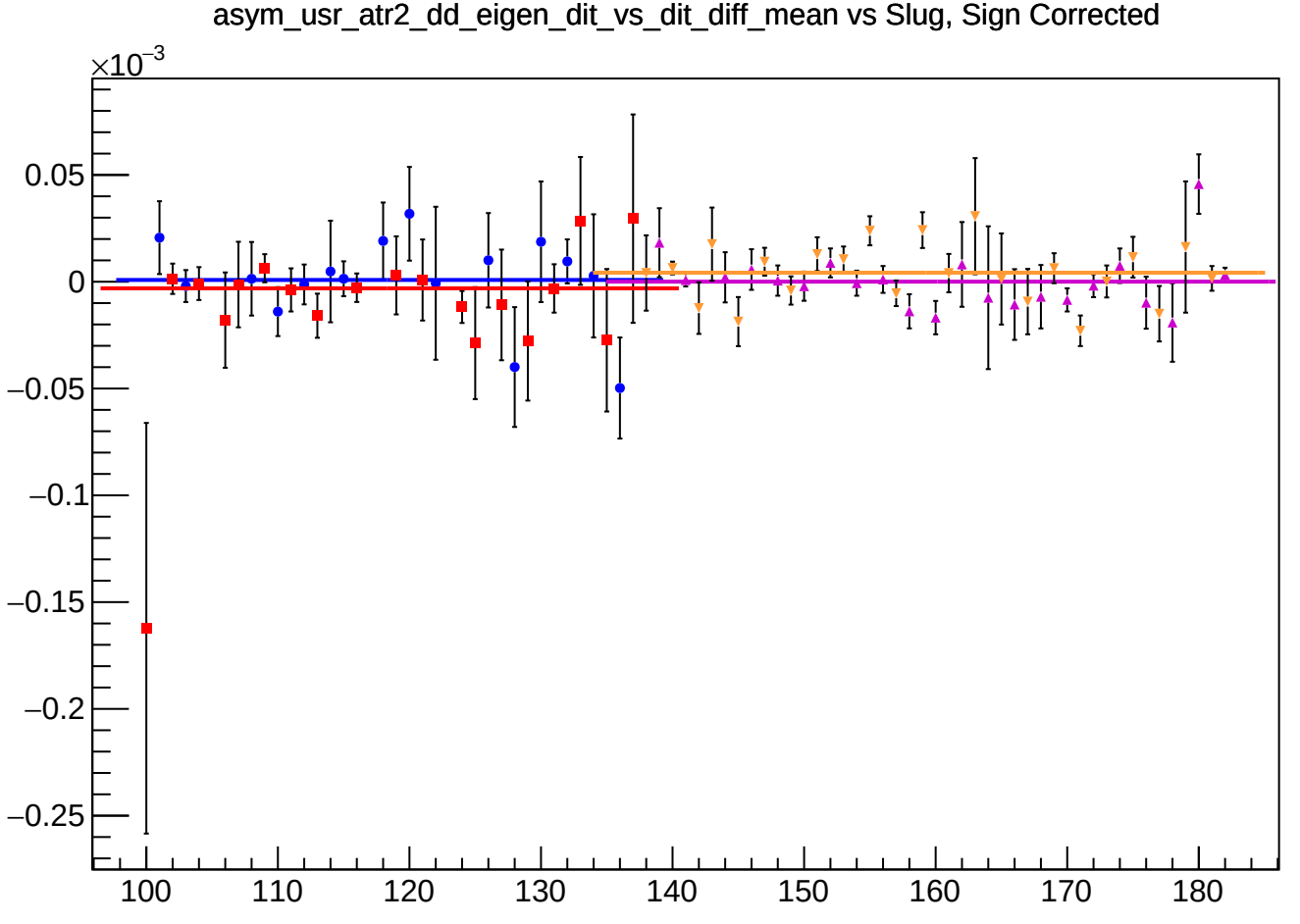
Left: 225.346+/-0.028 χ^2/NDF: 5803149.2/44

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 189.978+/-0.029 χ^2/NDF:6021521.6/37

Out: 174.336+/-0.028 χ^2/NDF:9146719.1/41

All: 181.720+/-0.020 χ^2/NDF: 15319417.2/79



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.8/22

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:28.9/21

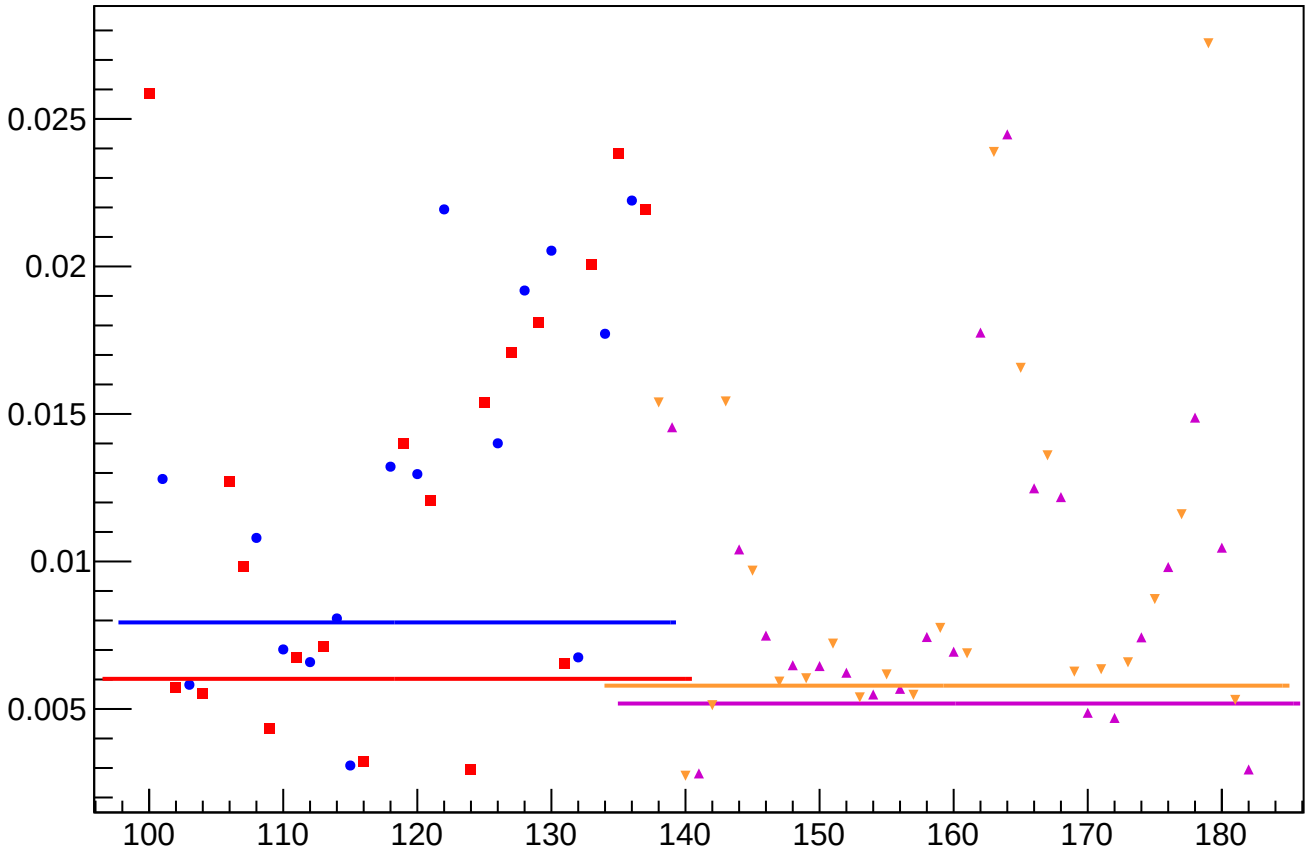
Left: 0.000+/-0.000 χ^2/NDF: 80.7/44

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:43.2/37

Out: 0.000+/-0.000 χ^2/NDF:66.3/41

All: 0.000+/-0.000 χ^2/NDF: 110.8/79



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:7345436.9/22

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:7395891.0/21

Left: 0.005+/-0.000 χ^2/NDF: 14904800.0/44

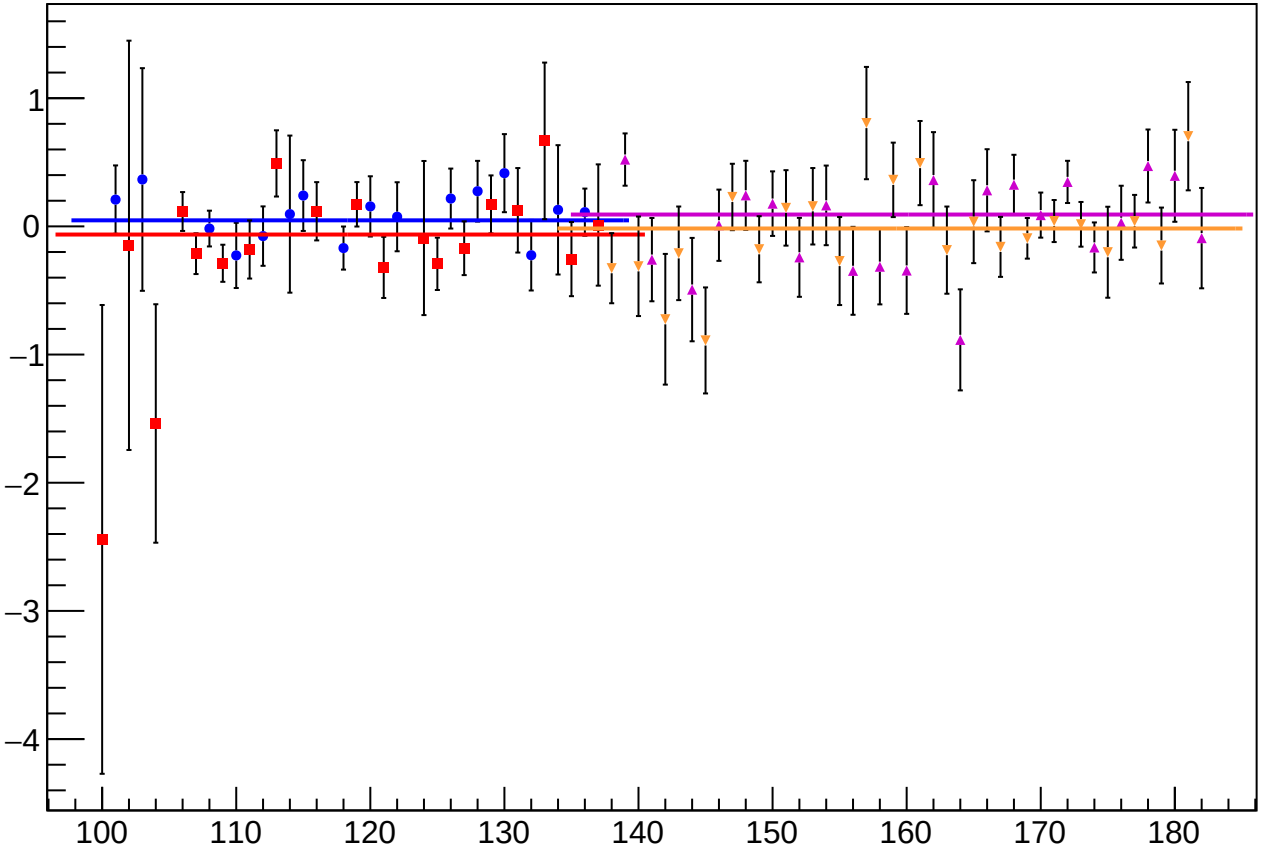
Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:12049257.8/37

Out: 0.006+/-0.000 χ^2/NDF:11366420.7/41

All: 0.006+/-0.000 χ^2/NDF: 23453703.1/79

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.017+/-0.056 χ^2/NDF:23.2/22

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.092+/-0.057 χ^2/NDF:29.6/21

Left: 0.037+/-0.040 χ^2/NDF: 54.6/44

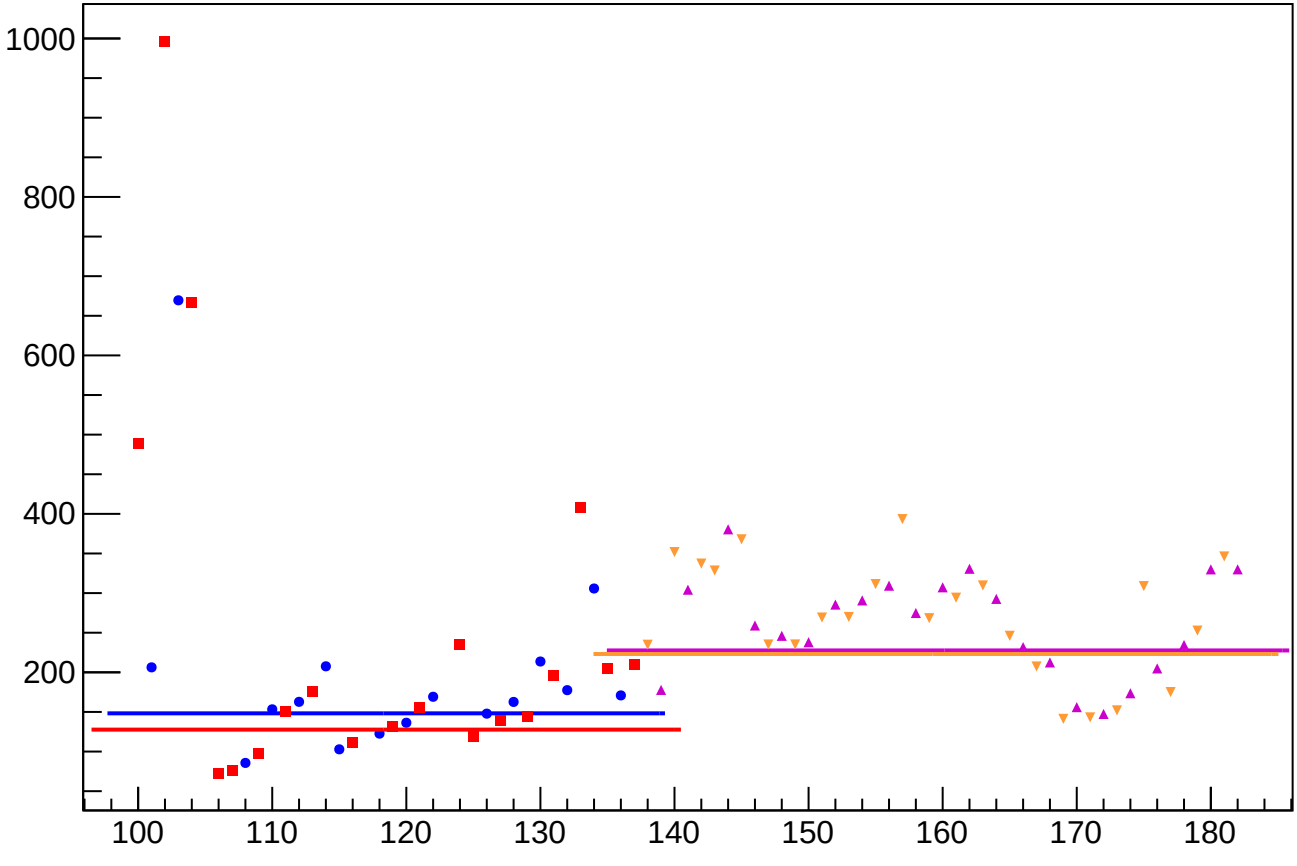
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.041 χ^2/NDF:38.4/37

Out: -0.041+/-0.039 χ^2/NDF:45.7/41

All: 0.012+/-0.028 χ^2/NDF: 88.0/79

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 223.155+/-0.040 χ^2/NDF:3324467.9/22

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 227.626+/-0.040 χ^2/NDF:2472557.5/21

Left: 225.348+/-0.028 χ^2/NDF: 5803294.3/44

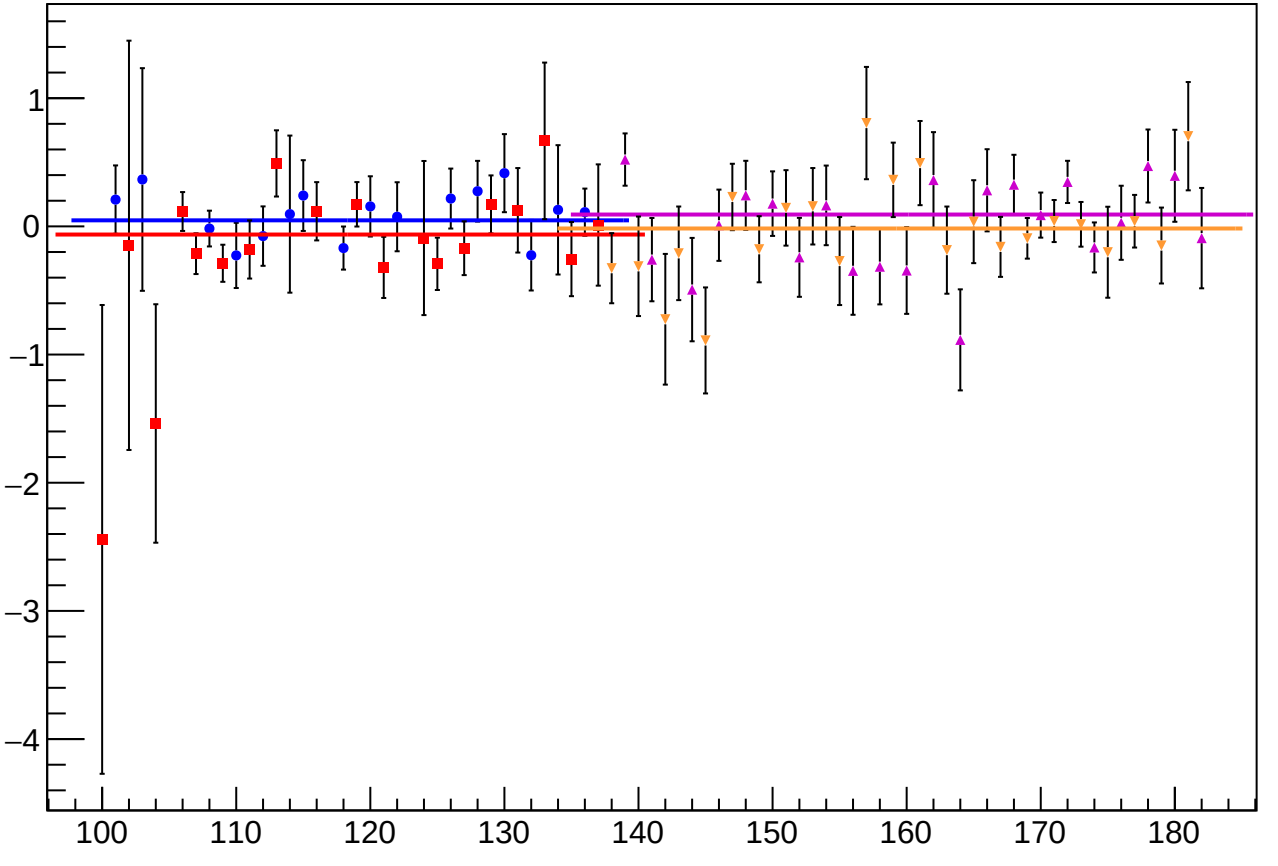
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 189.977+/-0.029 χ^2/NDF:6021836.9/37

Out: 174.336+/-0.028 χ^2/NDF:9146862.7/41

All: 181.720+/-0.020 χ^2/NDF: 15319848.6/79

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: -0.017+/-0.056 χ^2/NDF:23.2/22

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.092+/-0.057 χ^2/NDF:29.6/21

Left: 0.037+/-0.040 χ^2/NDF: 54.6/44

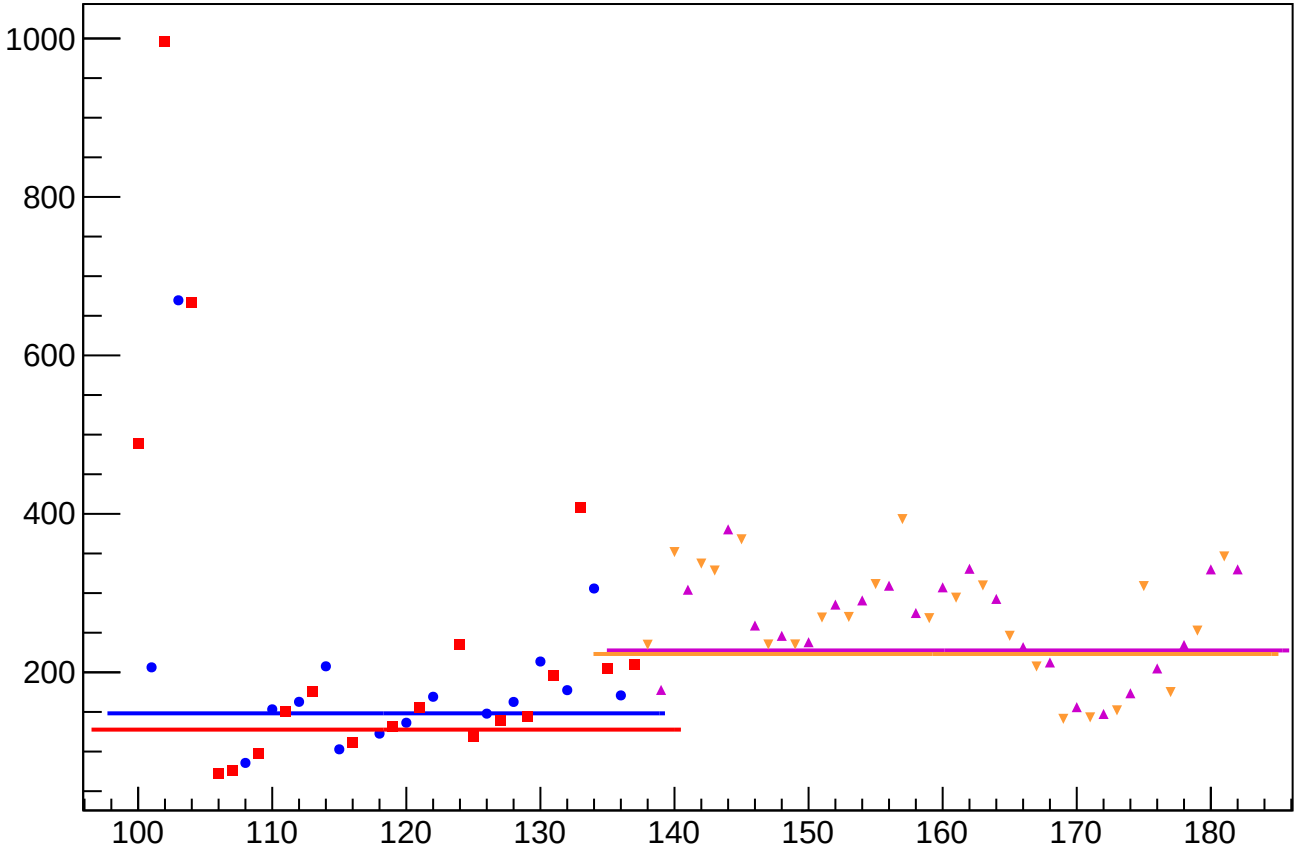
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.041 χ^2/NDF:38.4/37

Out: -0.041+/-0.039 χ^2/NDF:45.7/41

All: 0.012+/-0.028 χ^2/NDF: 88.0/79

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 223.155+/-0.040 χ^2/NDF:3324467.9/22

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 227.626+/-0.040 χ^2/NDF:2472557.5/21

Left: 225.348+/-0.028 χ^2/NDF: 5803294.3/44

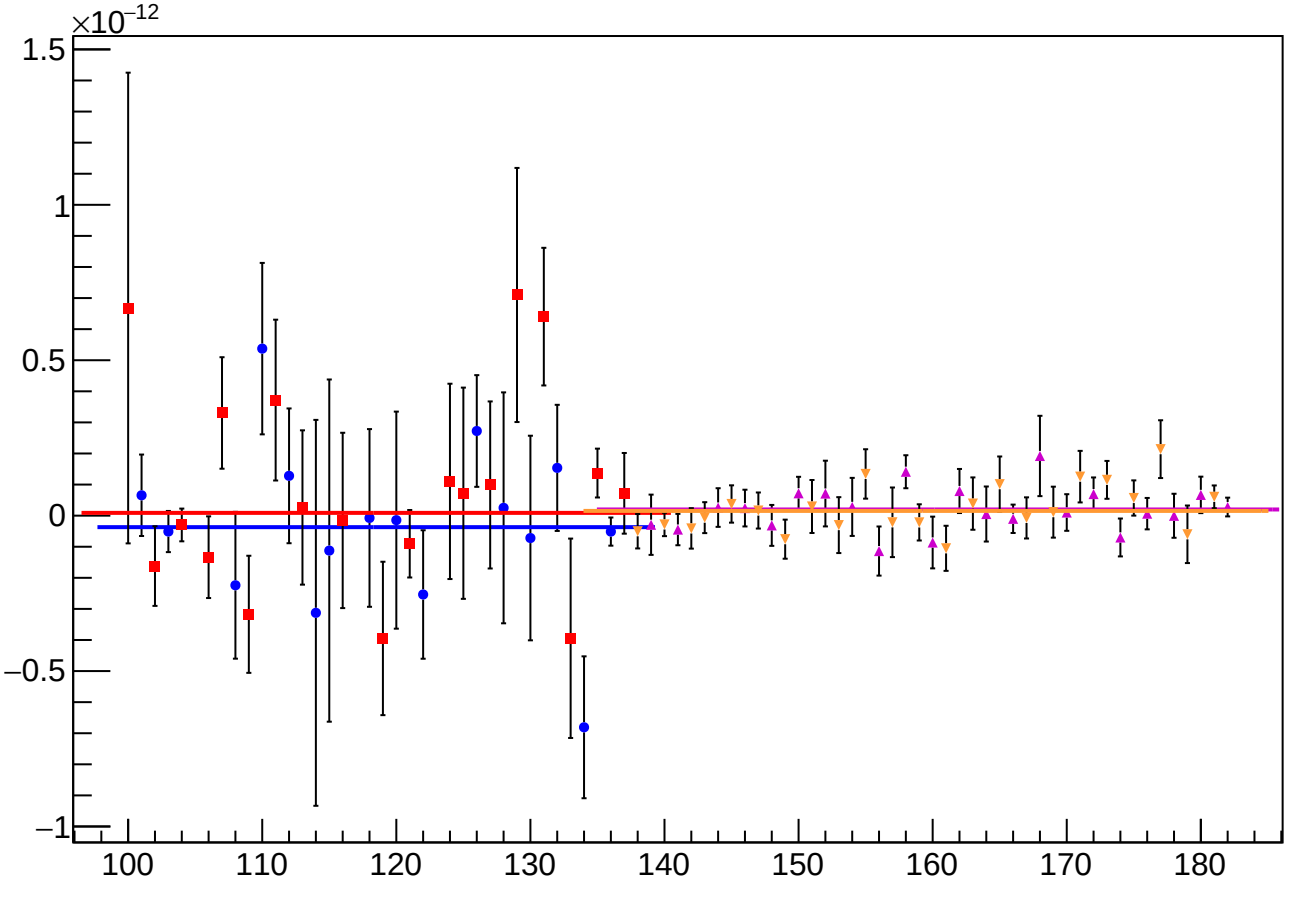
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 189.977+/-0.029 χ^2/NDF:6021836.9/37

Out: 174.336+/-0.028 χ^2/NDF:9146862.7/41

All: 181.720+/-0.020 χ^2/NDF: 15319848.6/79

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:20.3/21

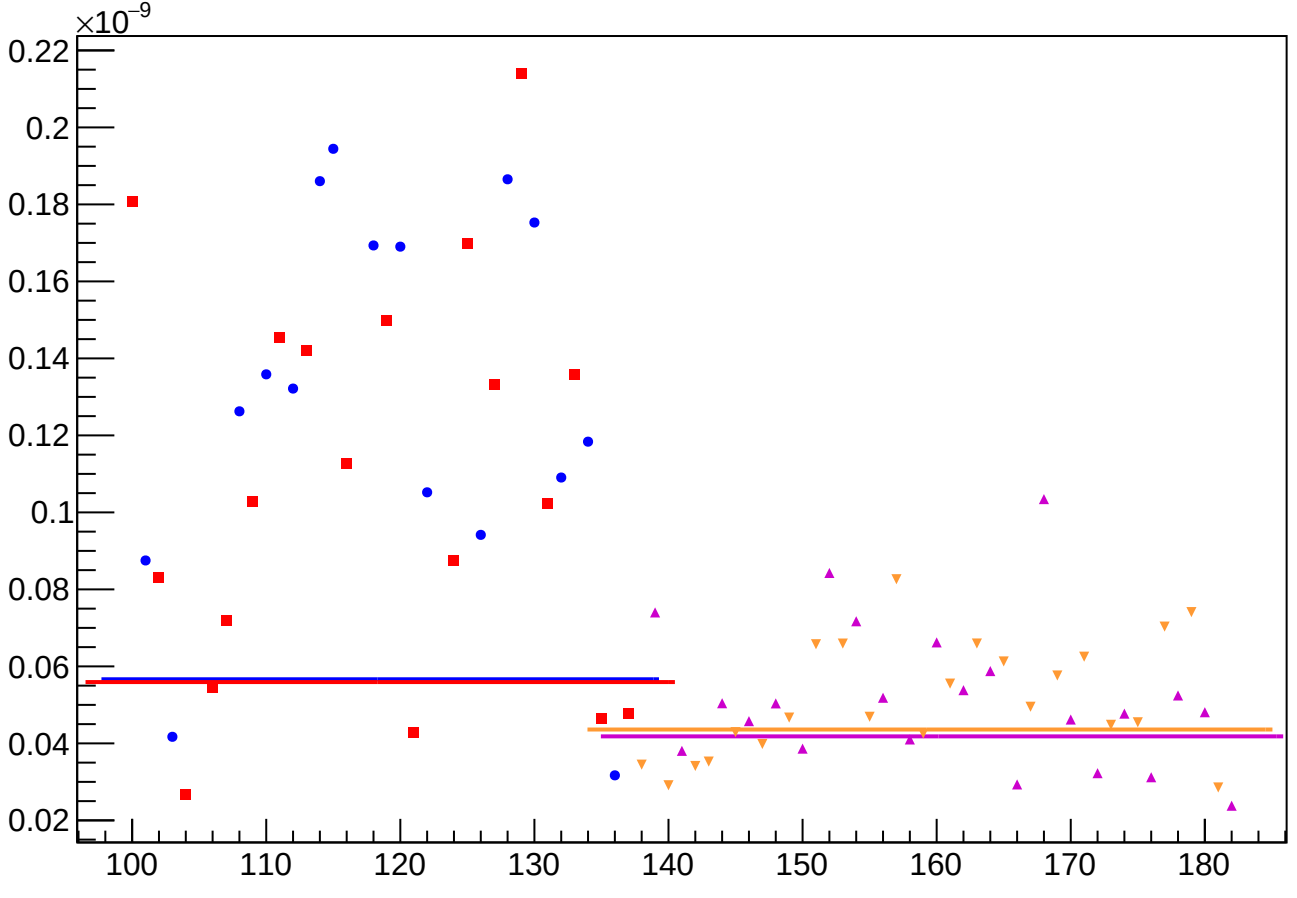
Left: 0.000+/-0.000 χ^2/NDF: 45.0/44

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:42.5/37

Out: 0.000+/-0.000 χ^2/NDF:56.4/41

All: 0.000+/-0.000 χ^2/NDF: 98.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2143015.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2750470.8/21

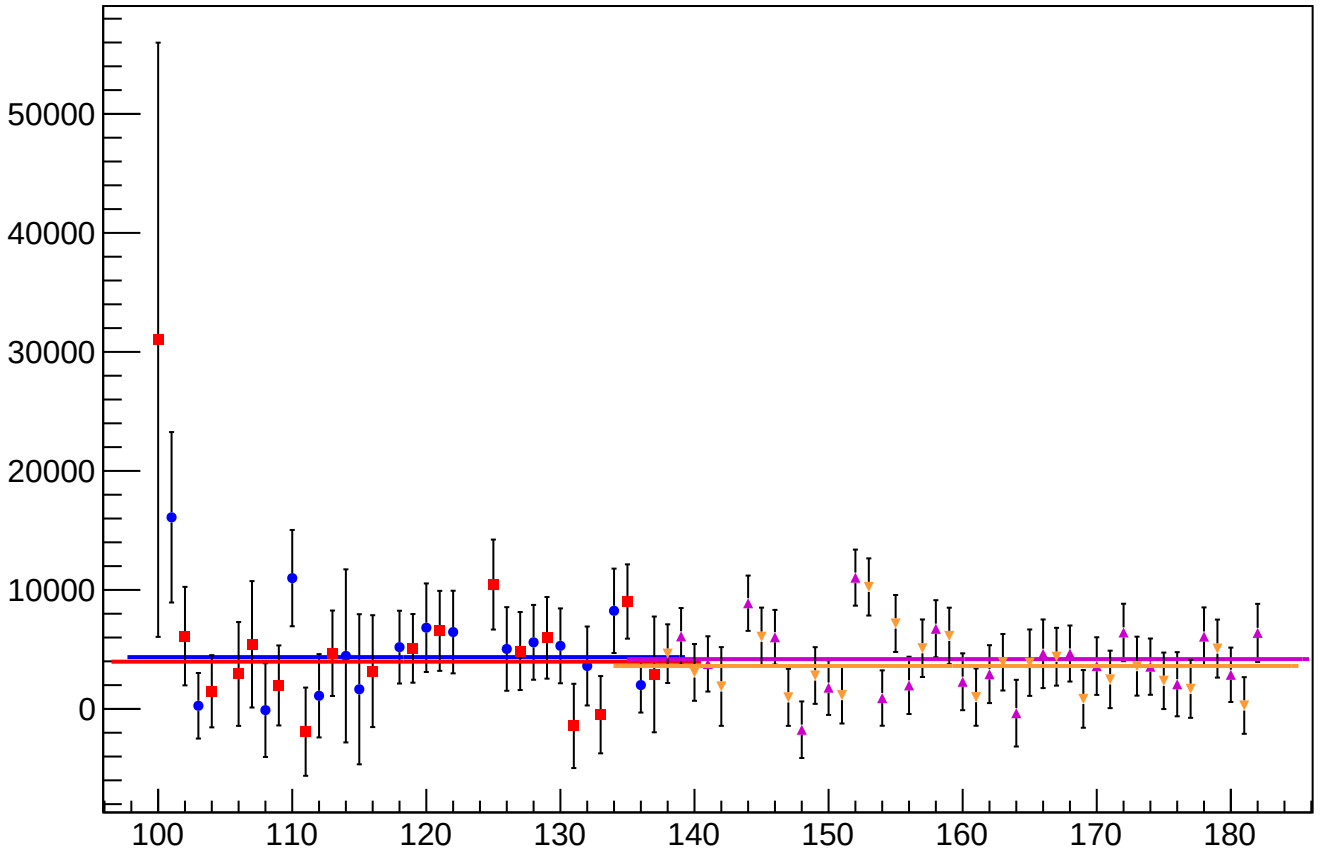
Left: 0.000+/-0.000 χ^2/NDF: 4912618.8/44

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:6232038.4/37

Out: 0.000+/-0.000 χ^2/NDF:5129924.9/41

All: 0.000+/-0.000 χ^2/NDF: 11379008.1/79



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3607.031+/-522.388 χ^2/NDF:21.3/21

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4185.940+/-514.845 χ^2/NDF:32.1/21

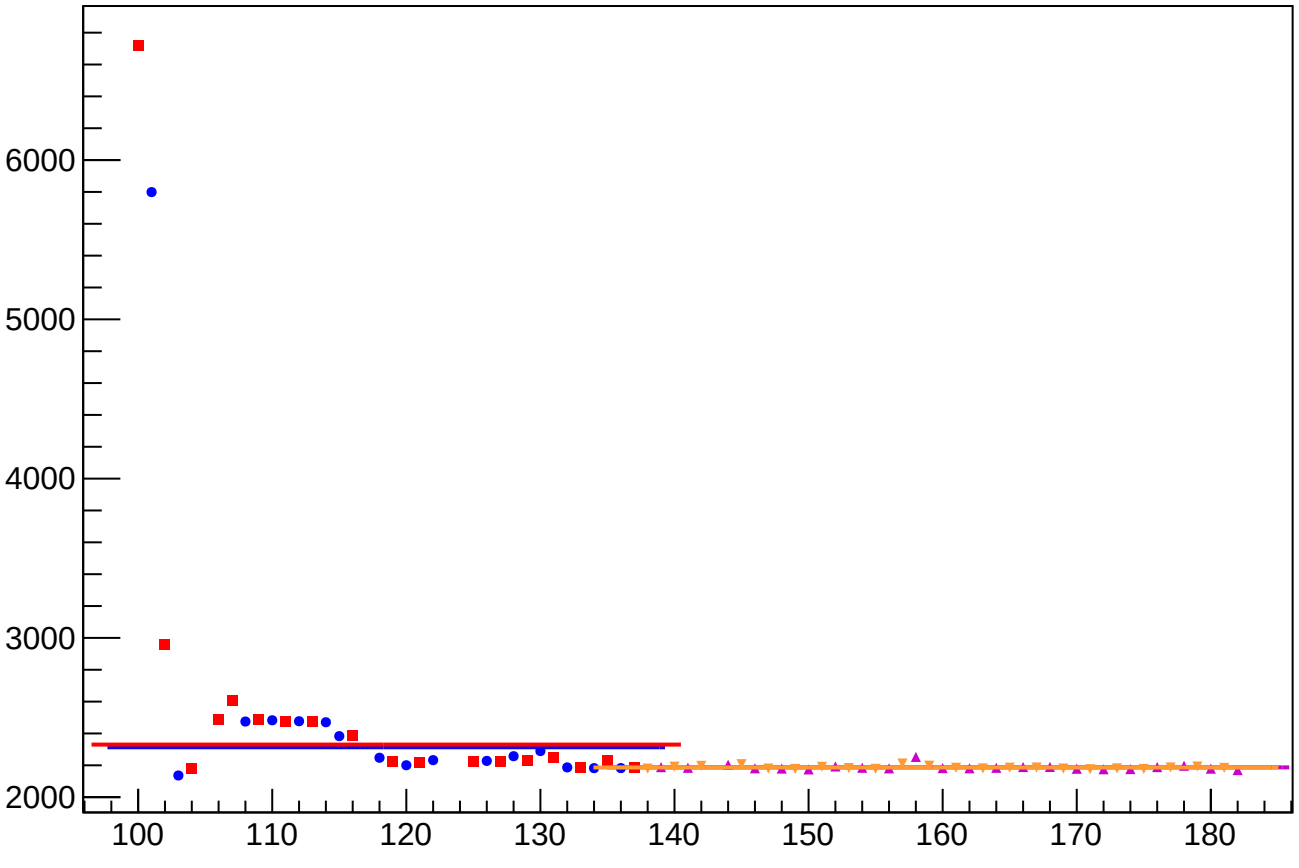
Left: 3900.696+/-366.688 χ^2/NDF: 54.0/43

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4229.239+/-443.752 χ^2/NDF:45.5/37

Out: 3703.449+/-448.034 χ^2/NDF:37.6/39

All: 3968.868+/-315.283 χ^2/NDF: 83.8/77



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.275+/-0.369 χ^2/NDF:648.8/21

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.052+/-0.364 χ^2/NDF:2020.7/21

Left: 2186.669+/-0.259 χ^2/NDF: 2671.7/43

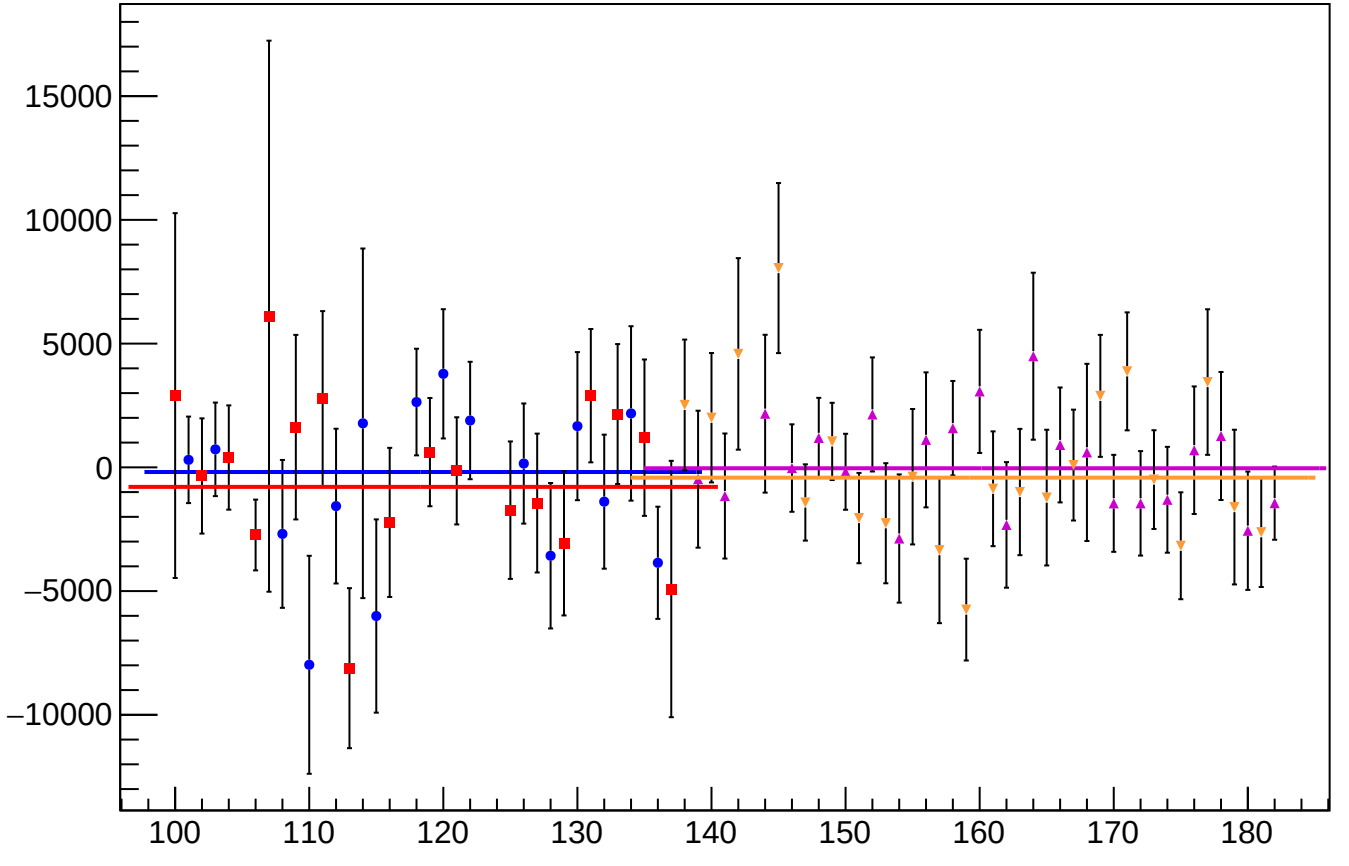
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2219.540+/-0.314 χ^2/NDF:545367.6/37

Out: 2224.331+/-0.317 χ^2/NDF:192001.5/39

All: 2221.913+/-0.223 χ^2/NDF: 737484.5/77

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: -417.172+/-492.175 χ^2/NDF:30.0/21

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -37.107+/-468.176 χ^2/NDF:12.3/21

Left: -217.647+/-339.218 χ^2/NDF: 42.6/43

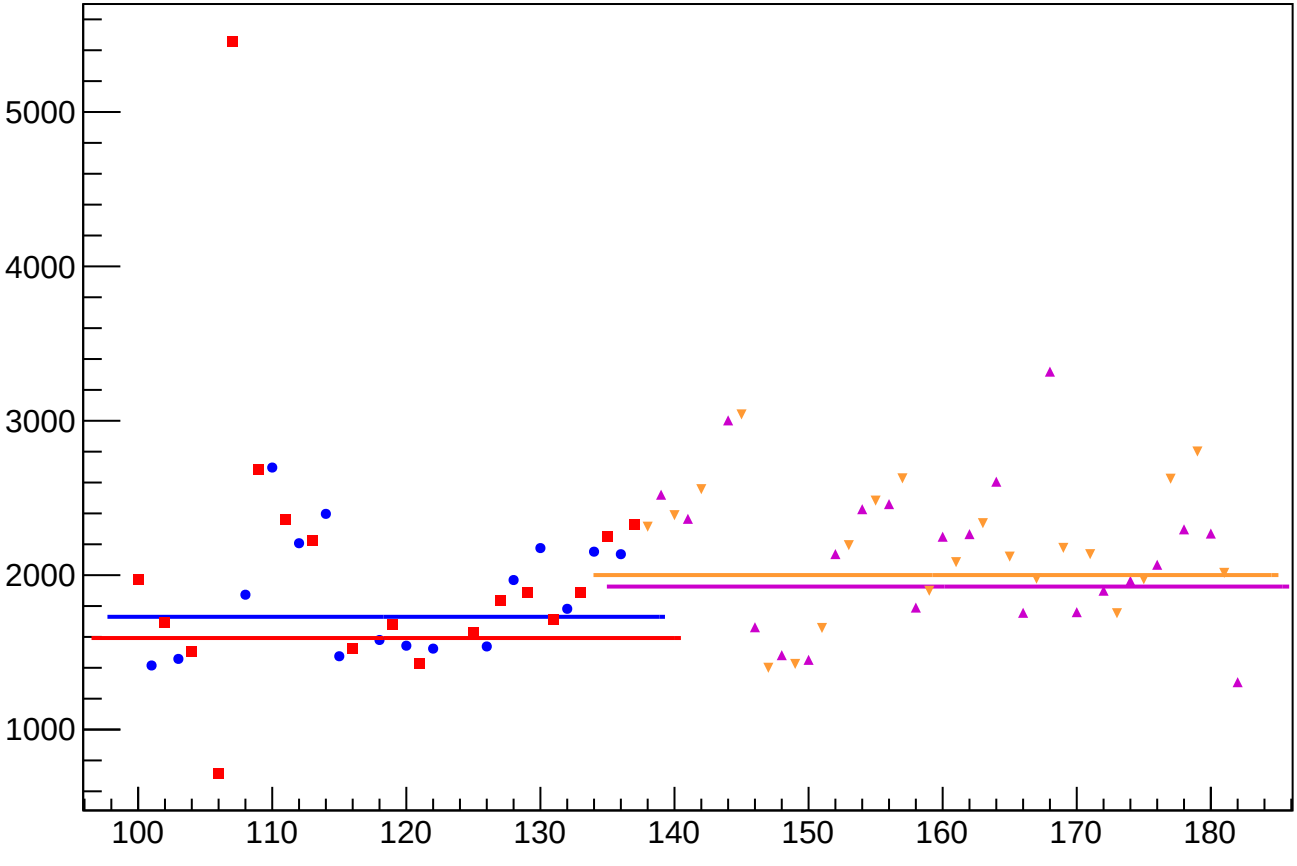
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: -88.009+/-381.535 χ^2/NDF:28.8/37

Out: -556.863+/-388.985 χ^2/NDF:45.1/39

All: -317.903+/-272.382 χ^2/NDF: 74.6/77

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: 2000.623+/-0.348 χ^2/NDF:1423390.9/21

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1926.139+/-0.331 χ^2/NDF:1863924.4/21

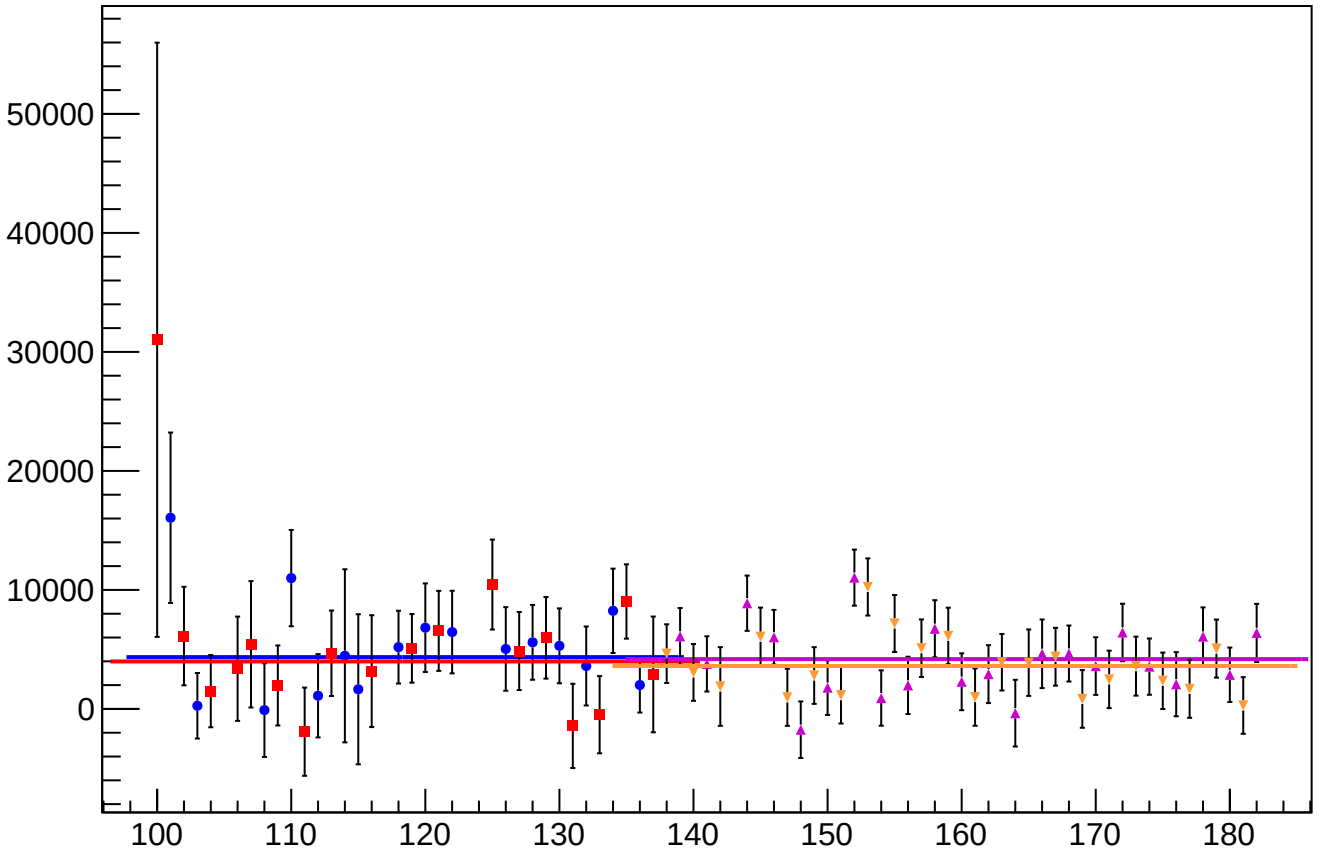
Left: 1961.521+/-0.240 χ^2/NDF: 3311361.6/43

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1860.358+/-0.270 χ^2/NDF:2460411.6/37

Out: 1847.549+/-0.275 χ^2/NDF:3494985.7/39

All: 1854.077+/-0.193 χ^2/NDF: 5956502.6/77



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3607.004+/-522.388 χ^2/NDF:21.3/21

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4186.024+/-514.845 χ^2/NDF:32.1/21

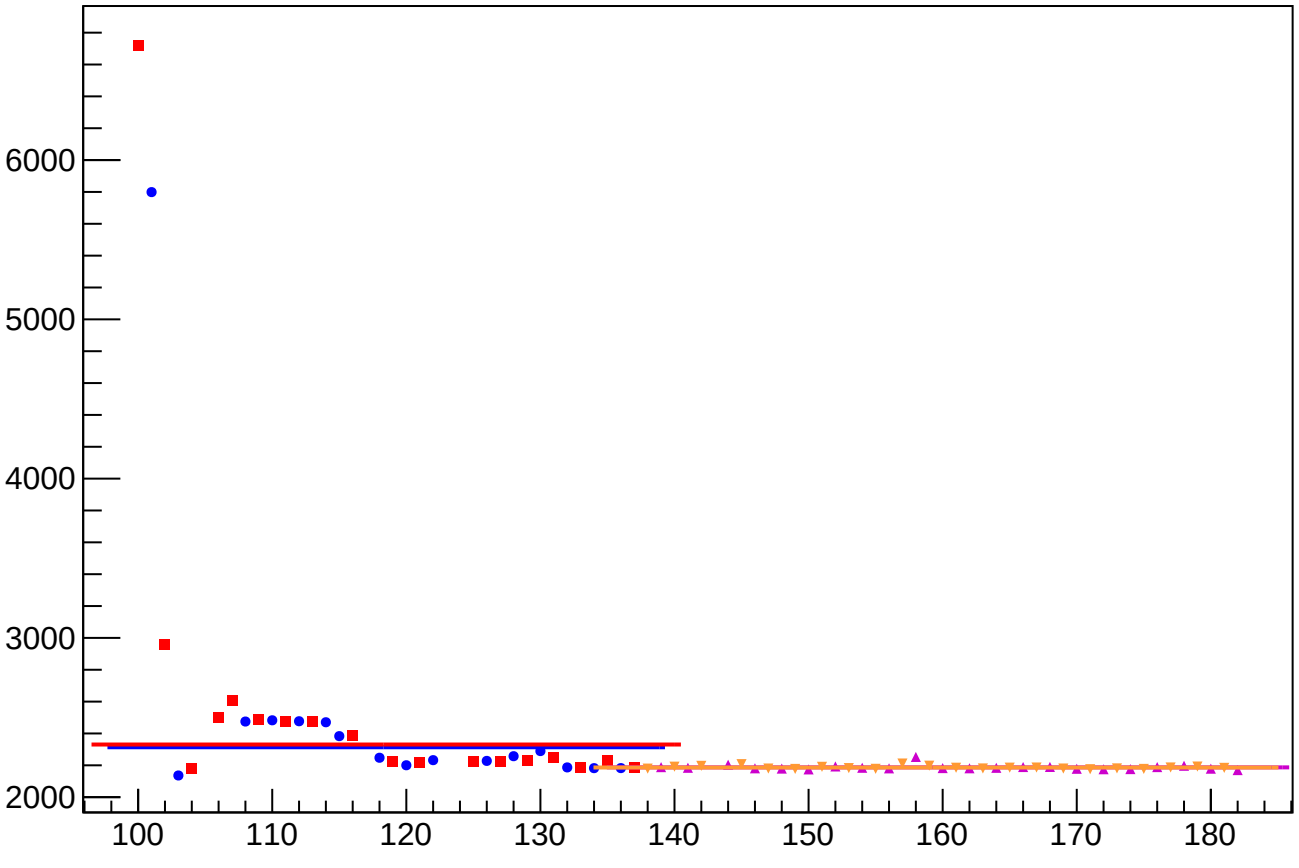
Left: 3900.725+/-366.688 χ^2/NDF: 54.0/43

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4229.127+/-443.752 χ^2/NDF:45.5/37

Out: 3708.216+/-448.054 χ^2/NDF:37.6/39

All: 3971.185+/-315.290 χ^2/NDF: 83.7/77



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.275+/-0.369 χ^2/NDF:648.8/21

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.053+/-0.364 χ^2/NDF:2020.7/21

Left: 2186.669+/-0.259 χ^2/NDF: 2671.7/43

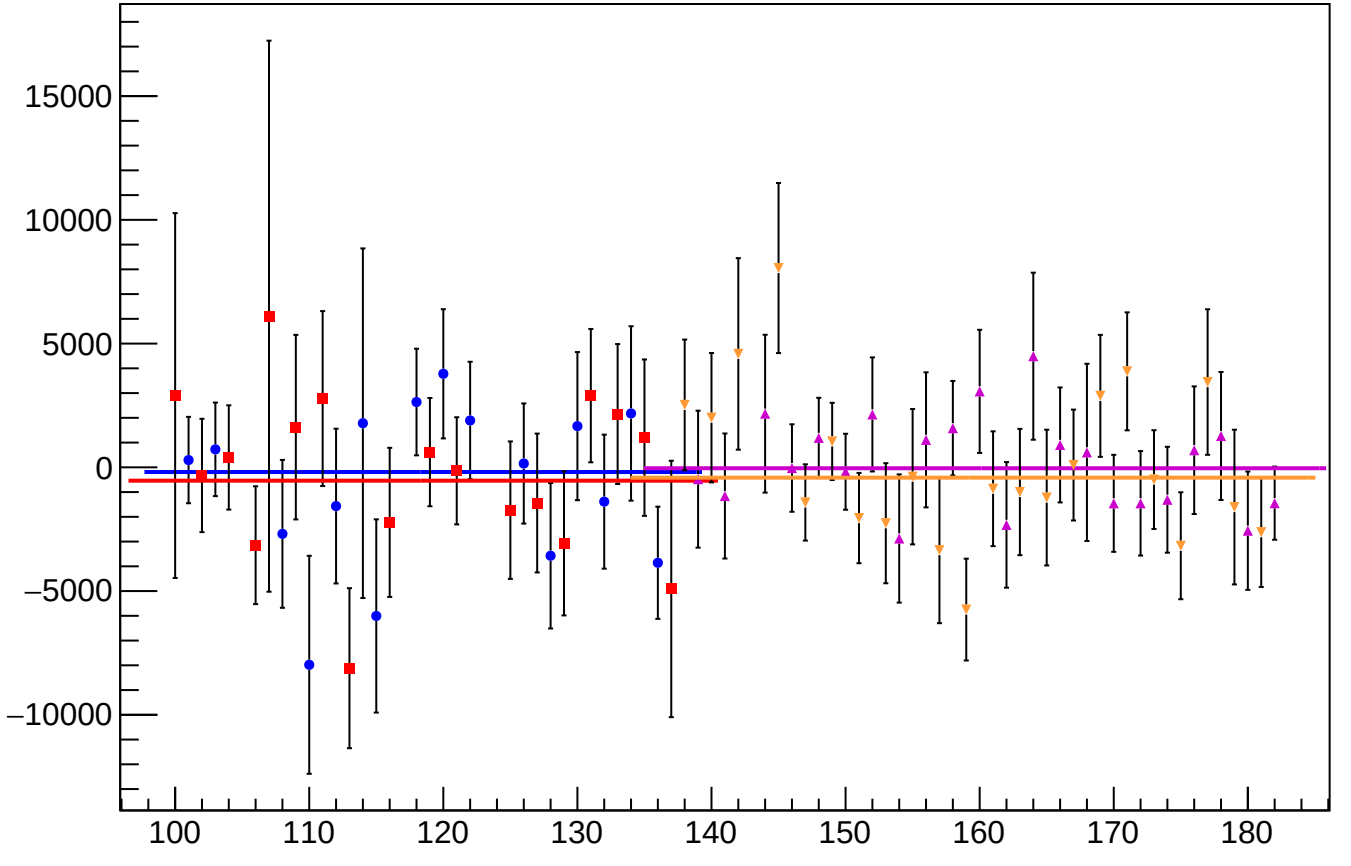
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2219.540+/-0.314 χ^2/NDF:545367.9/37

Out: 2224.419+/-0.317 χ^2/NDF:192543.6/39

All: 2221.956+/-0.223 χ^2/NDF: 738031.3/77

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: -417.223+/-492.174 χ^2/NDF:30.0/21

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -37.100+/-468.177 χ^2/NDF:12.3/21

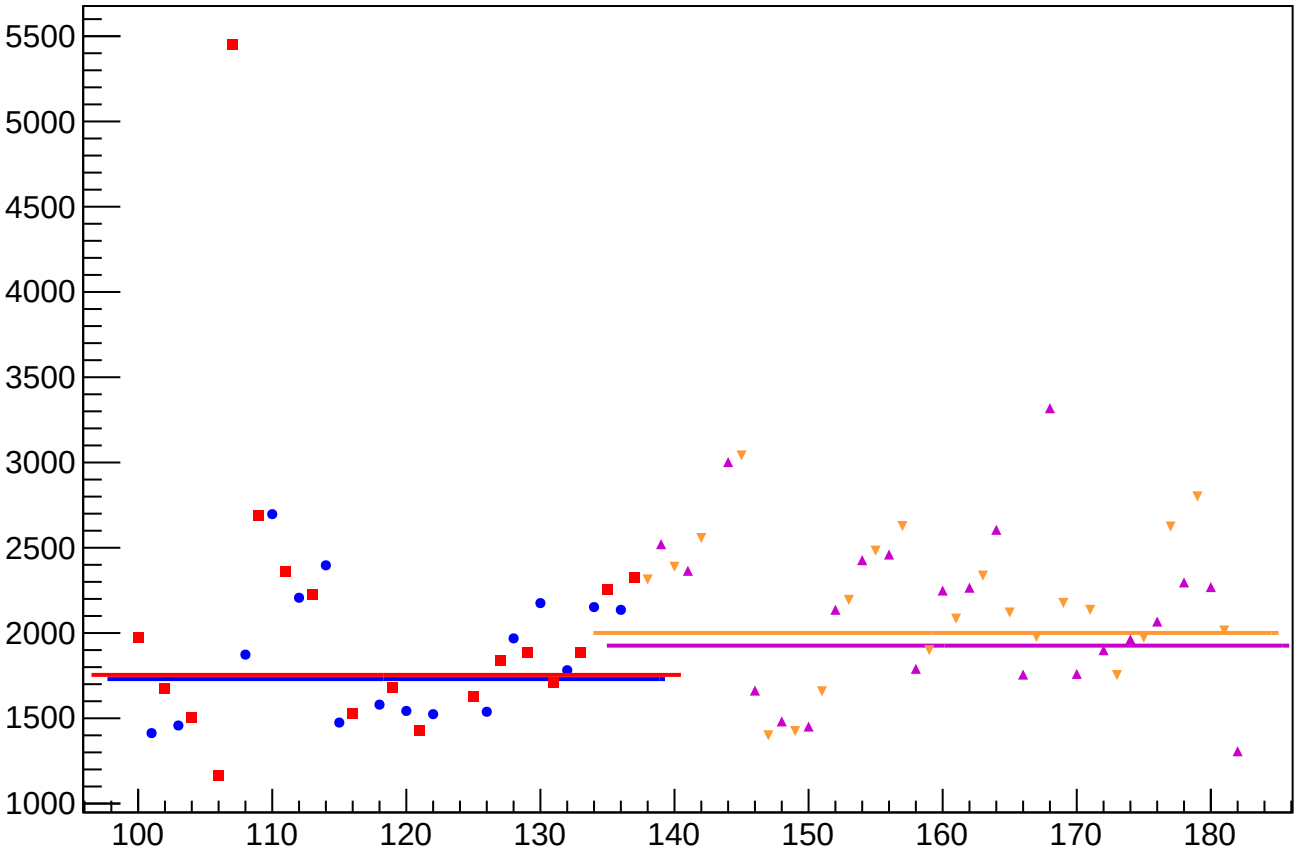
Left: -217.669+/-339.218 χ^2/NDF: 42.6/43

Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: -88.389+/-381.510 χ^2/NDF:28.8/37

Out: -459.409+/-398.339 χ^2/NDF:43.9/39

All: -265.897+/-275.526 χ^2/NDF: 73.2/77



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 2000.617+/-0.348 χ^2/NDF:1423444.3/21

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1926.143+/-0.331 χ^2/NDF:1863960.5/21

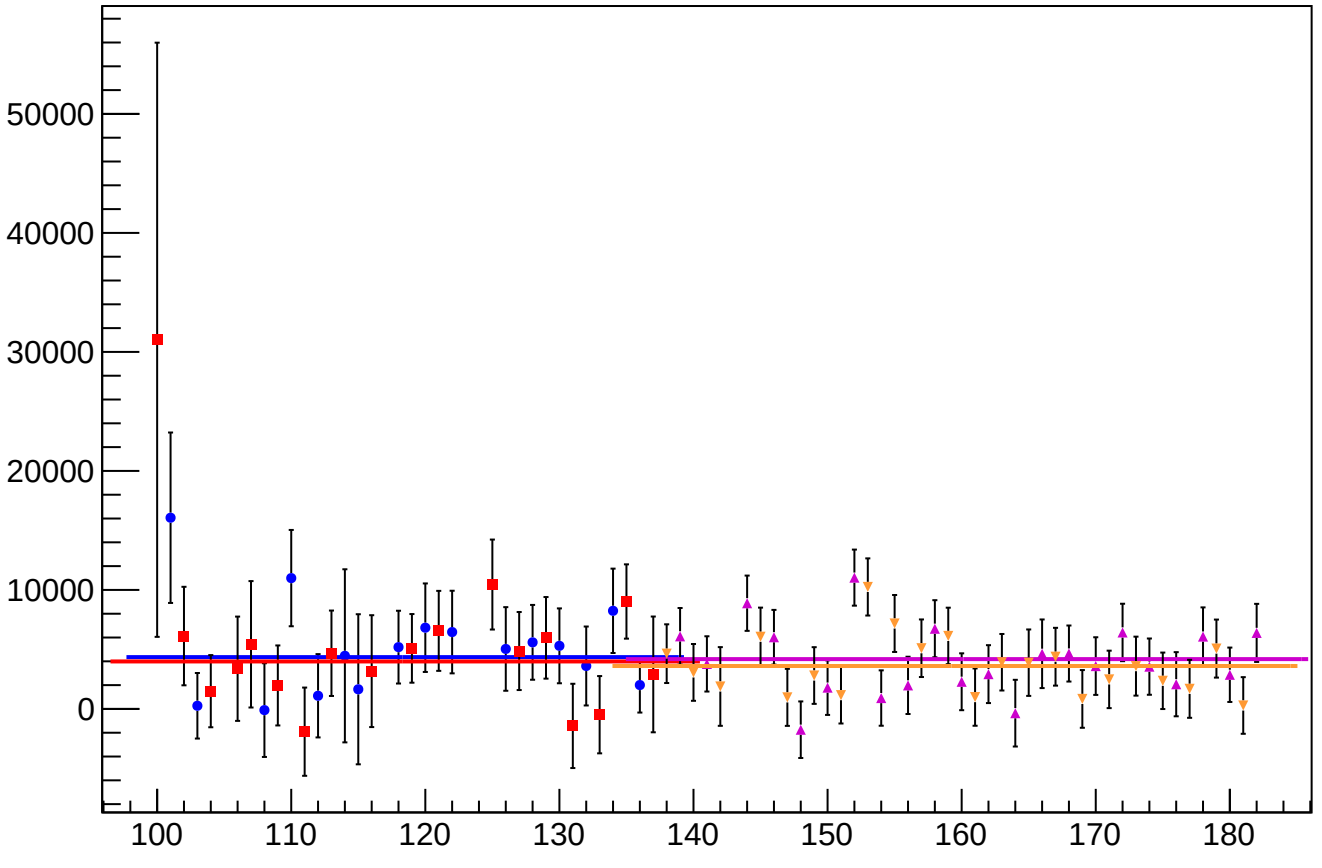
Left: 1961.520+/-0.240 χ^2/NDF: 3311445.4/43

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1860.212+/-0.270 χ^2/NDF:2461916.7/37

Out: 1915.725+/-0.282 χ^2/NDF:2346940.2/39

All: 1886.771+/-0.195 χ^2/NDF: 4829116.6/77



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3607.004+/-522.388 χ^2/NDF:21.3/21

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4186.024+/-514.845 χ^2/NDF:32.1/21

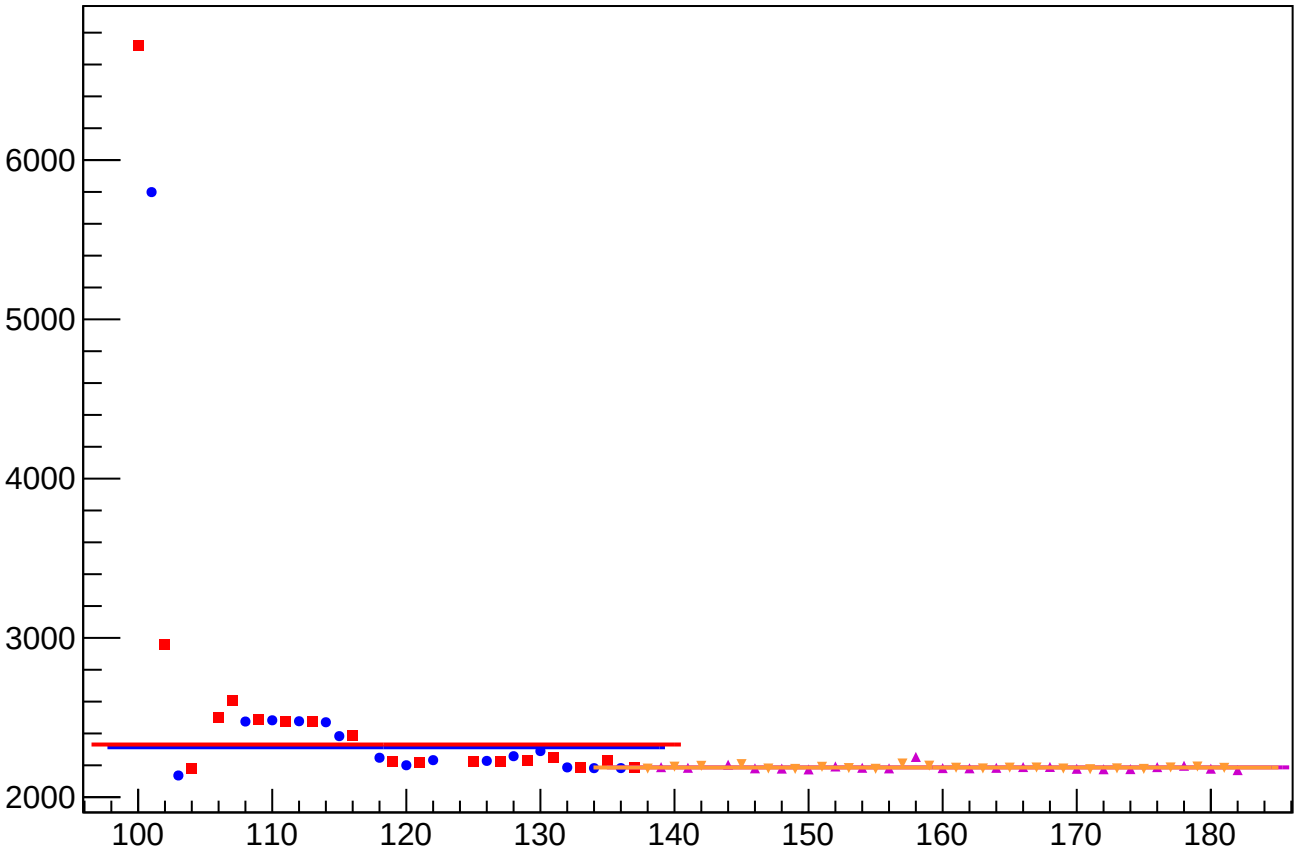
Left: 3900.725+/-366.688 χ^2/NDF: 54.0/43

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4229.127+/-443.752 χ^2/NDF:45.5/37

Out: 3708.216+/-448.054 χ^2/NDF:37.6/39

All: 3971.185+/-315.290 χ^2/NDF: 83.7/77



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.275+/-0.369 χ^2/NDF:648.8/21

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.053+/-0.364 χ^2/NDF:2020.7/21

Left: 2186.669+/-0.259 χ^2/NDF: 2671.7/43

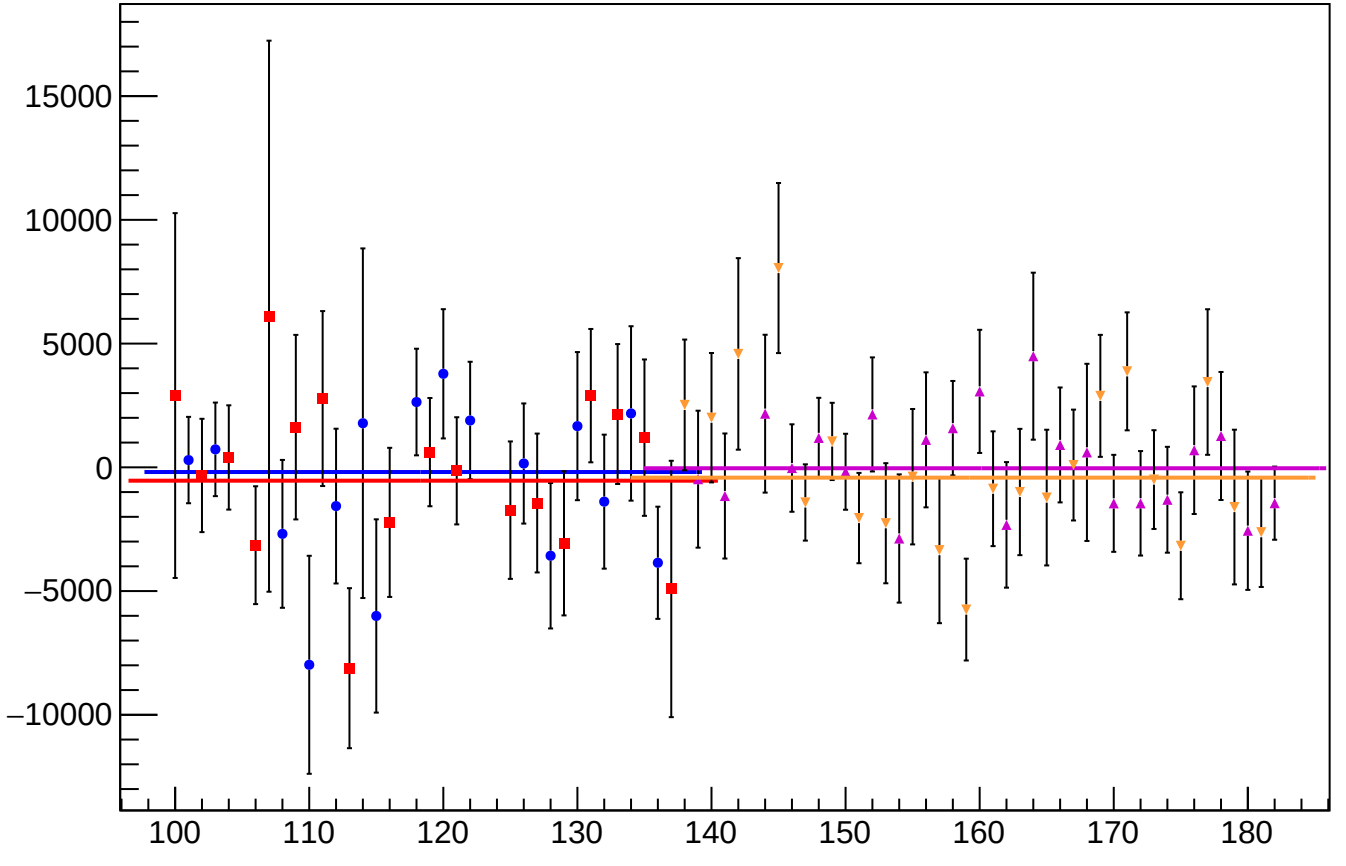
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2219.540+/-0.314 χ^2/NDF:545367.9/37

Out: 2224.419+/-0.317 χ^2/NDF:192543.6/39

All: 2221.956+/-0.223 χ^2/NDF: 738031.3/77

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -417.223+/-492.174 χ^2/NDF:30.0/21

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -37.100+/-468.177 χ^2/NDF:12.3/21

Left: -217.669+/-339.218 χ^2/NDF: 42.6/43

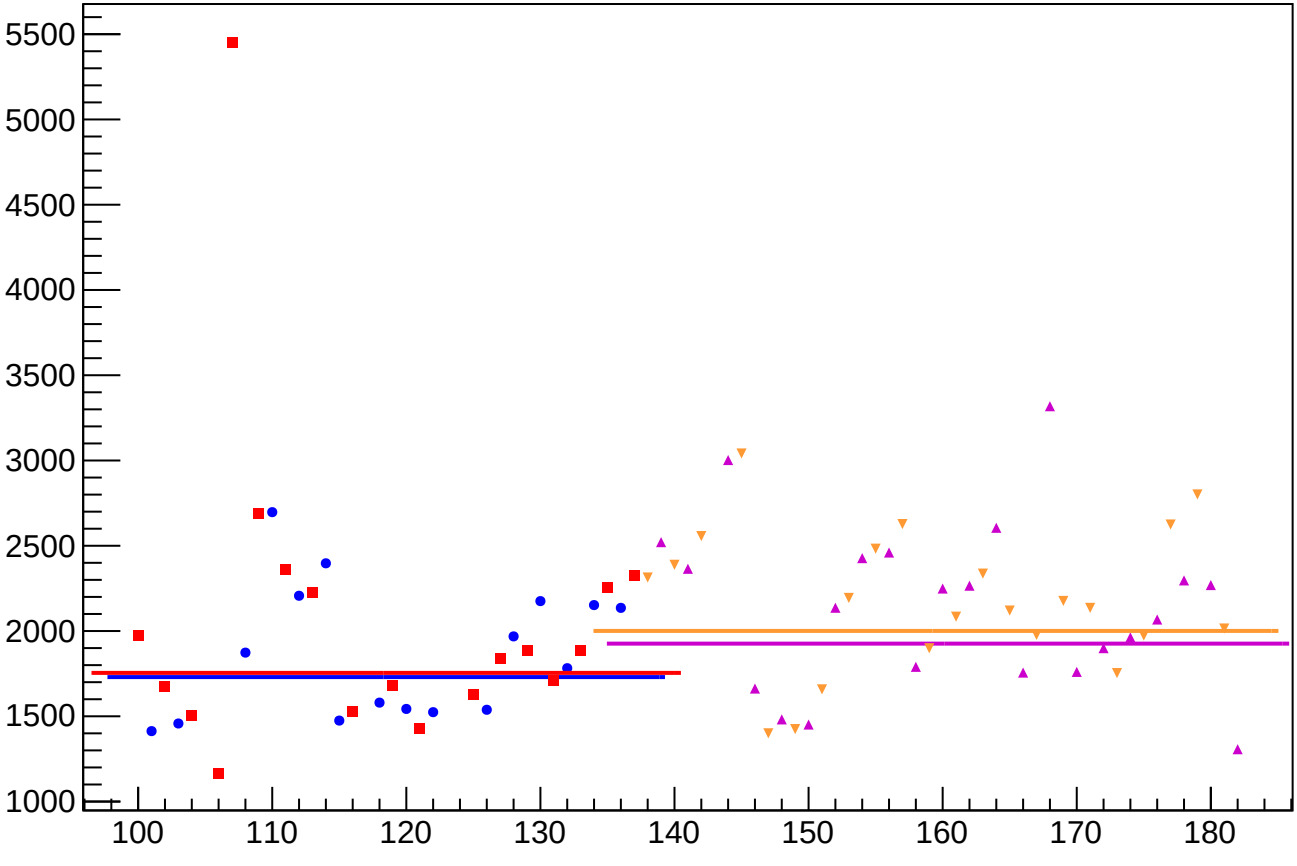
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: -88.389+/-381.510 χ^2/NDF:28.8/37

Out: -459.409+/-398.339 χ^2/NDF:43.9/39

All: -265.897+/-275.526 χ^2/NDF: 73.2/77

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: 2000.617+/-0.348 χ^2/NDF:1423444.3/21

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1926.143+/-0.331 χ^2/NDF:1863960.5/21

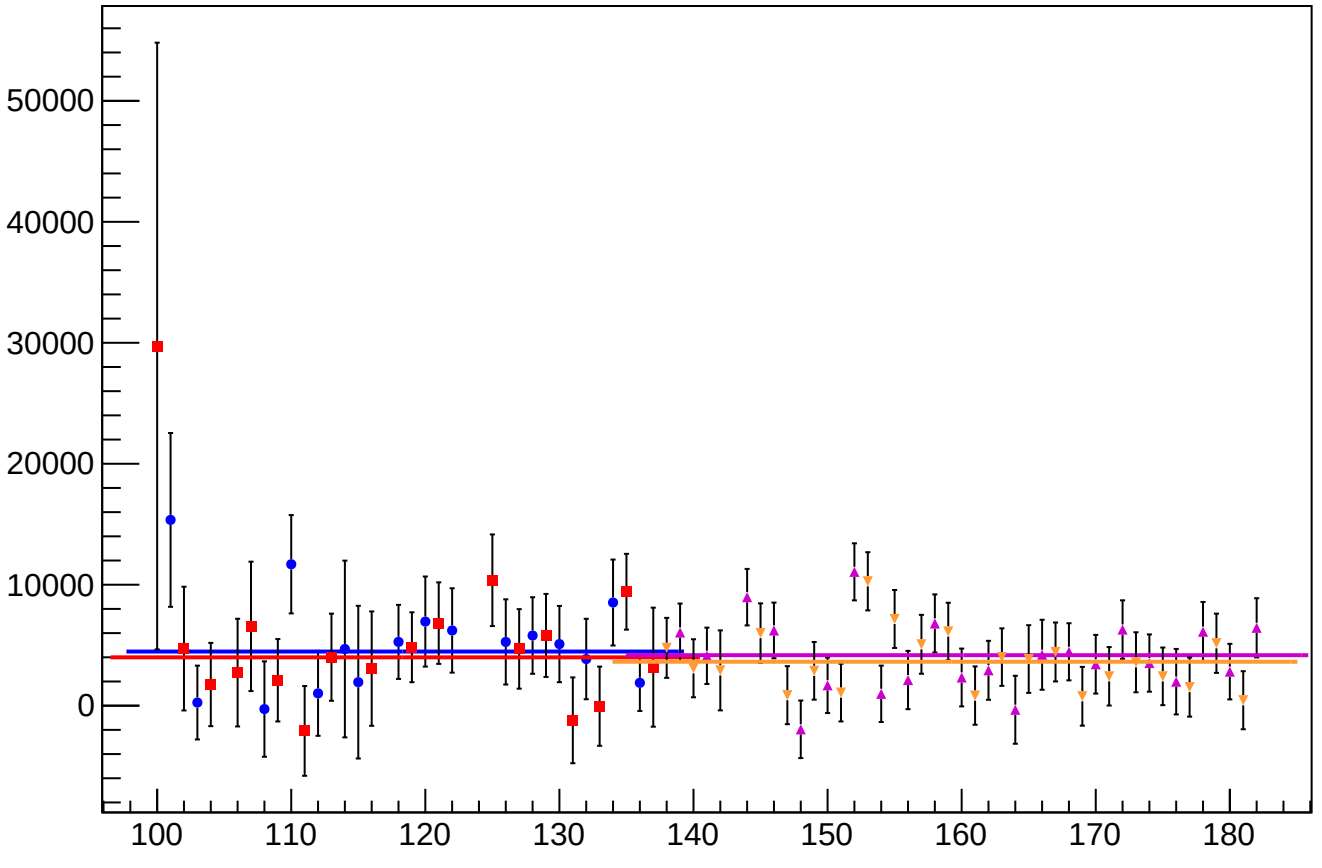
Left: 1961.520+/-0.240 χ^2/NDF: 3311445.4/43

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1860.212+/-0.270 χ^2/NDF:2461916.7/37

Out: 1915.725+/-0.282 χ^2/NDF:2346940.2/39

All: 1886.771+/-0.195 χ^2/NDF: 4829116.6/77



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3633.070+/-523.866 χ^2/NDF:21.3/21

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4173.439+/-516.150 χ^2/NDF:32.6/21

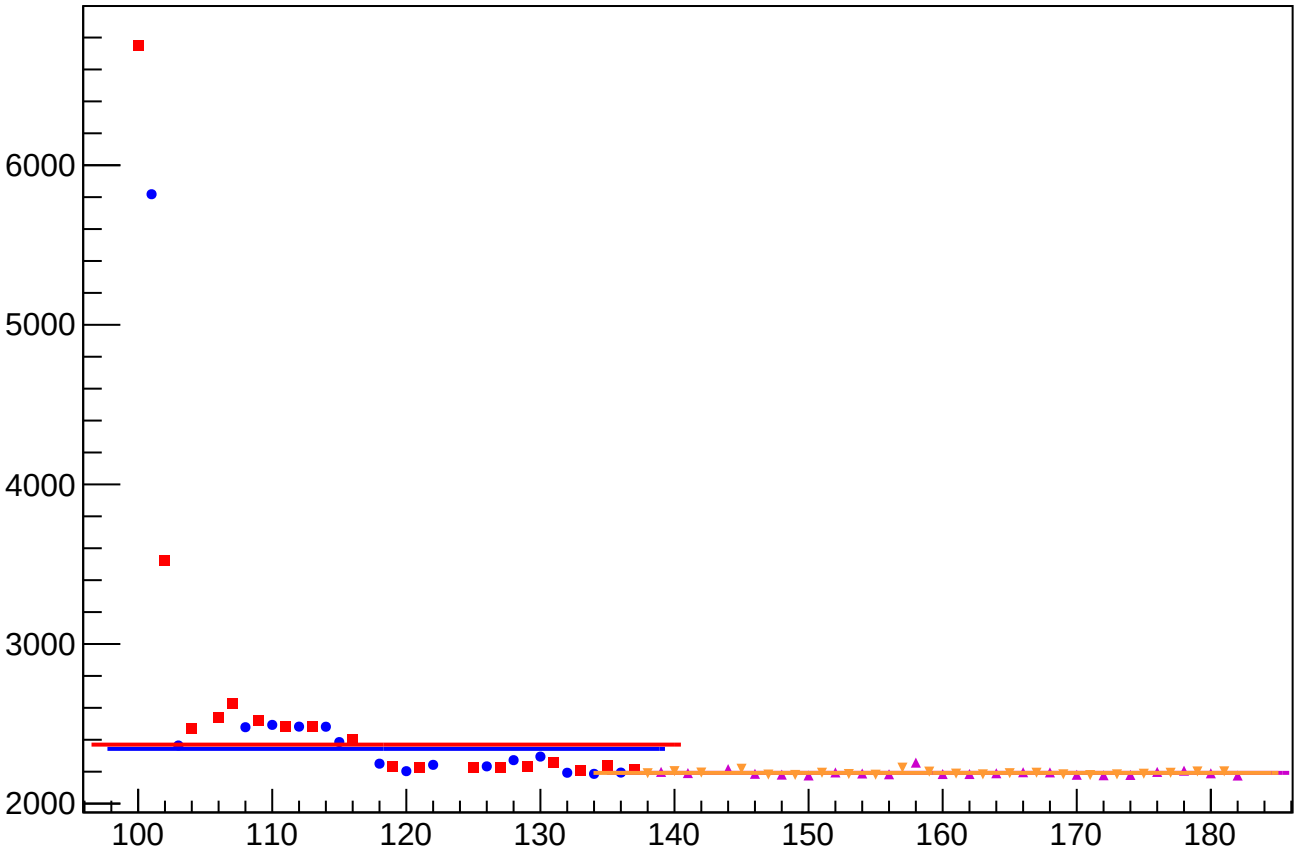
Left: 3907.264+/-367.671 χ^2/NDF: 54.5/43

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4250.202+/-446.000 χ^2/NDF:46.3/37

Out: 3726.339+/-451.521 χ^2/NDF:37.0/39

All: 3991.493+/-317.304 χ^2/NDF: 83.9/77



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2192.379+/-0.370 χ^2/NDF:1035.9/21

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2192.547+/-0.365 χ^2/NDF:2227.5/21

Left: 2192.464+/-0.260 χ^2/NDF: 3263.5/43

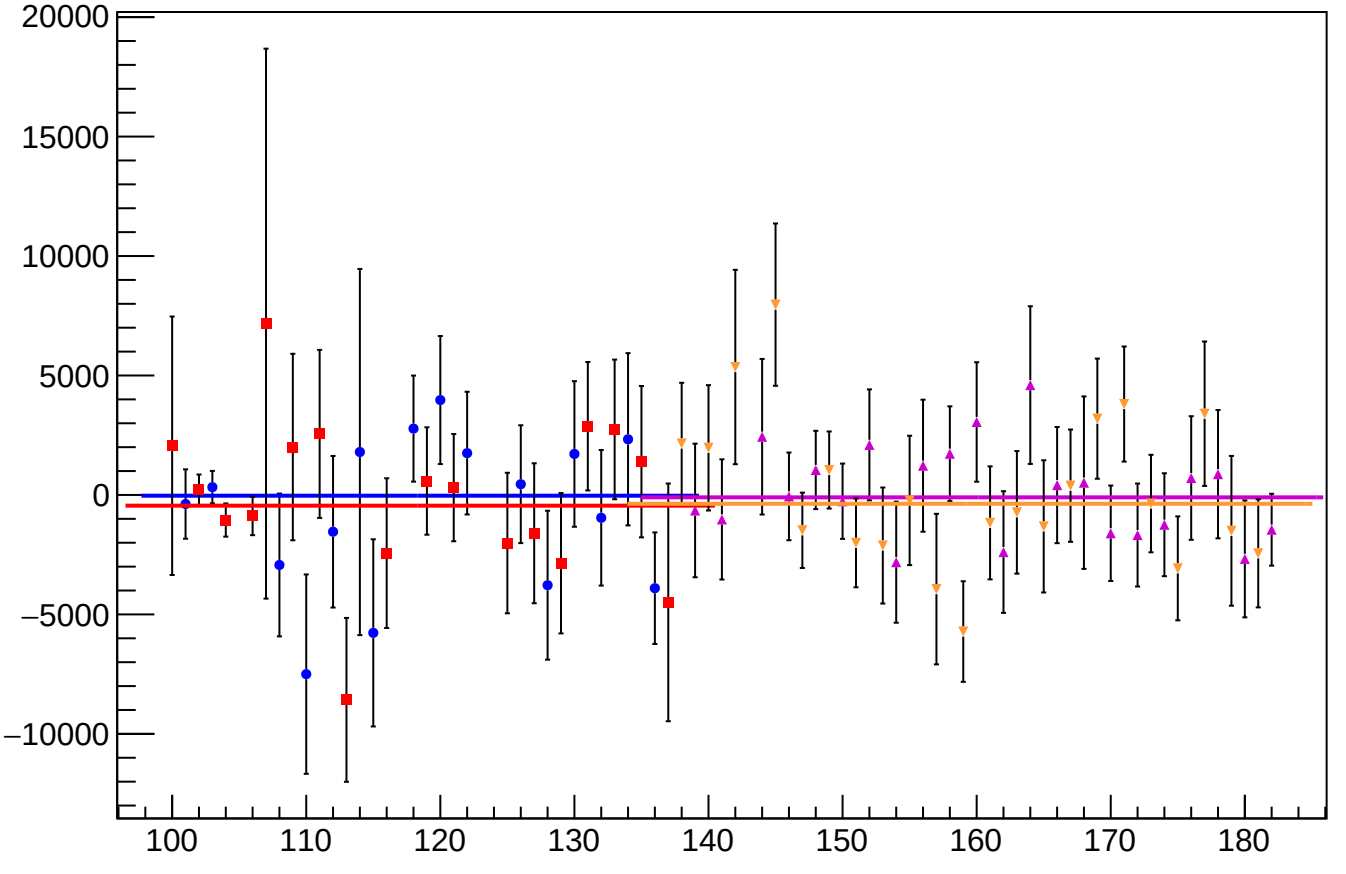
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2230.642+/-0.315 χ^2/NDF:548097.1/37

Out: 2237.940+/-0.319 χ^2/NDF:270017.9/39

All: 2234.246+/-0.224 χ^2/NDF: 818379.5/77

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -369.603+/-500.811 χ^2/NDF:29.5/21

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -100.364+/-476.226 χ^2/NDF:12.4/21

Left: -228.213+/-345.107 χ^2/NDF: 42.1/43

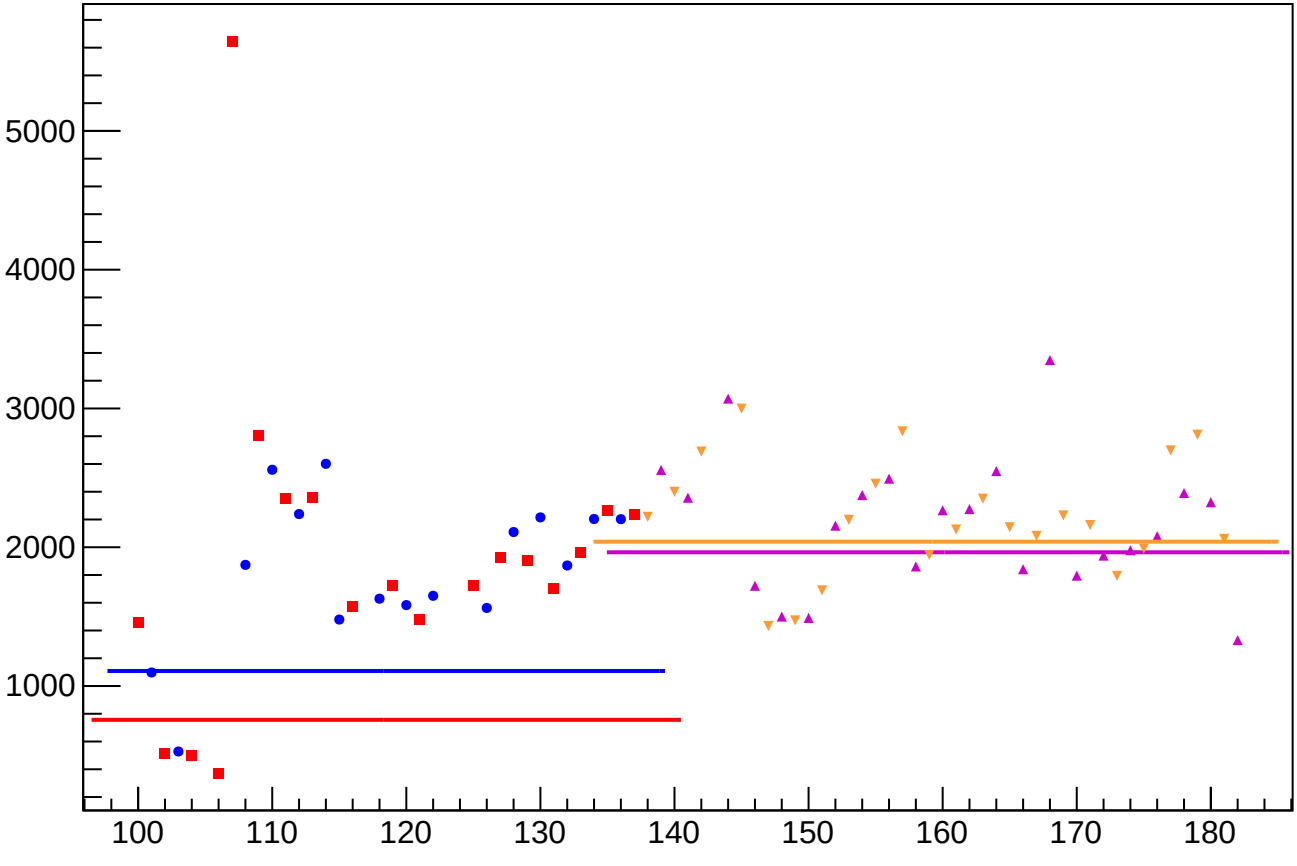
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: -66.531+/-339.915 χ^2/NDF:28.8/37

Out: -421.212+/-293.685 χ^2/NDF:44.6/39

All: -269.614+/-222.228 χ^2/NDF: 74.0/77

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2040.020+/-0.354 χ^2/NDF:1358263.9/21

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1963.705+/-0.337 χ^2/NDF:1779152.6/21

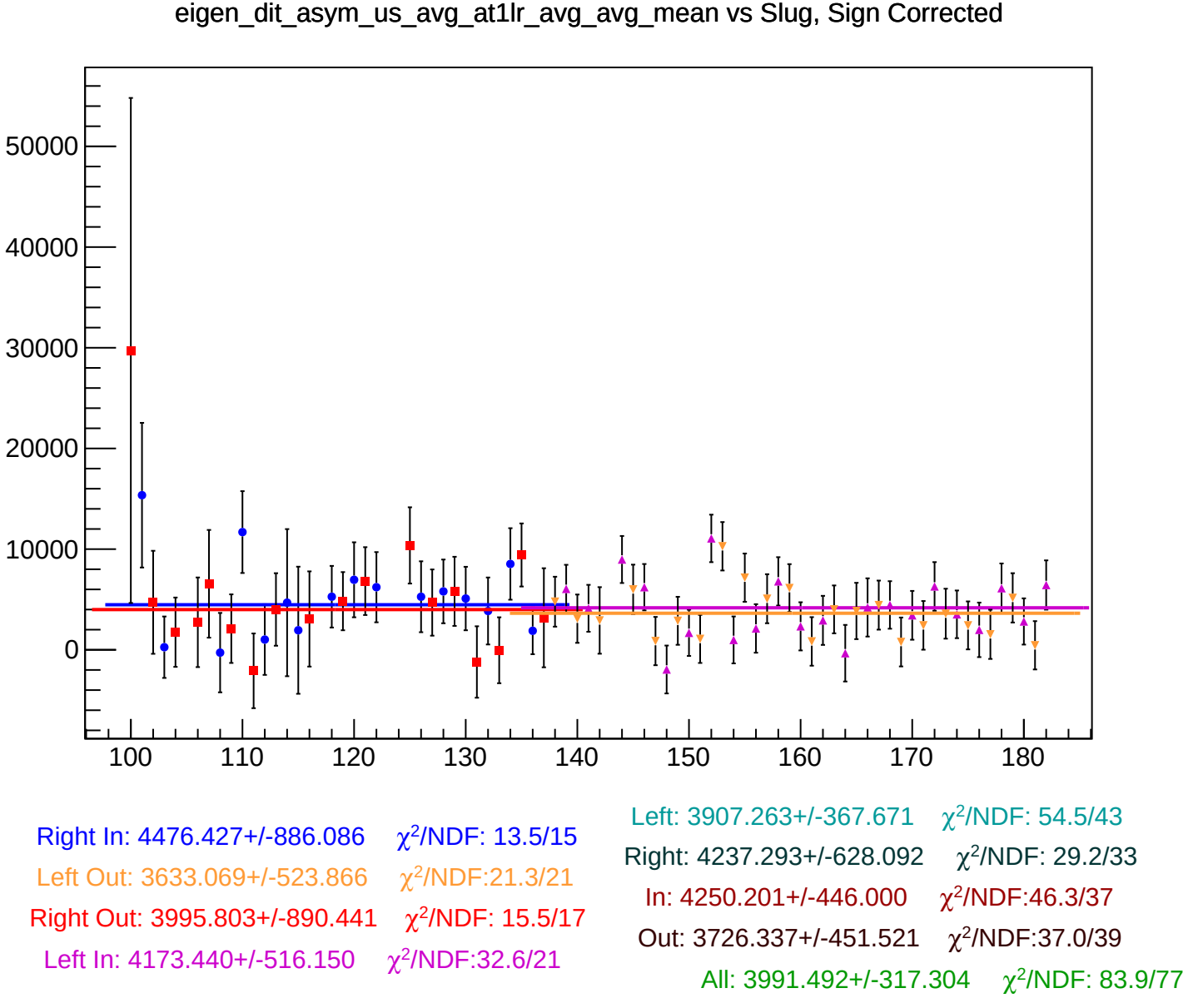
Left: 1999.943+/-0.244 χ^2/NDF: 3161805.2/43

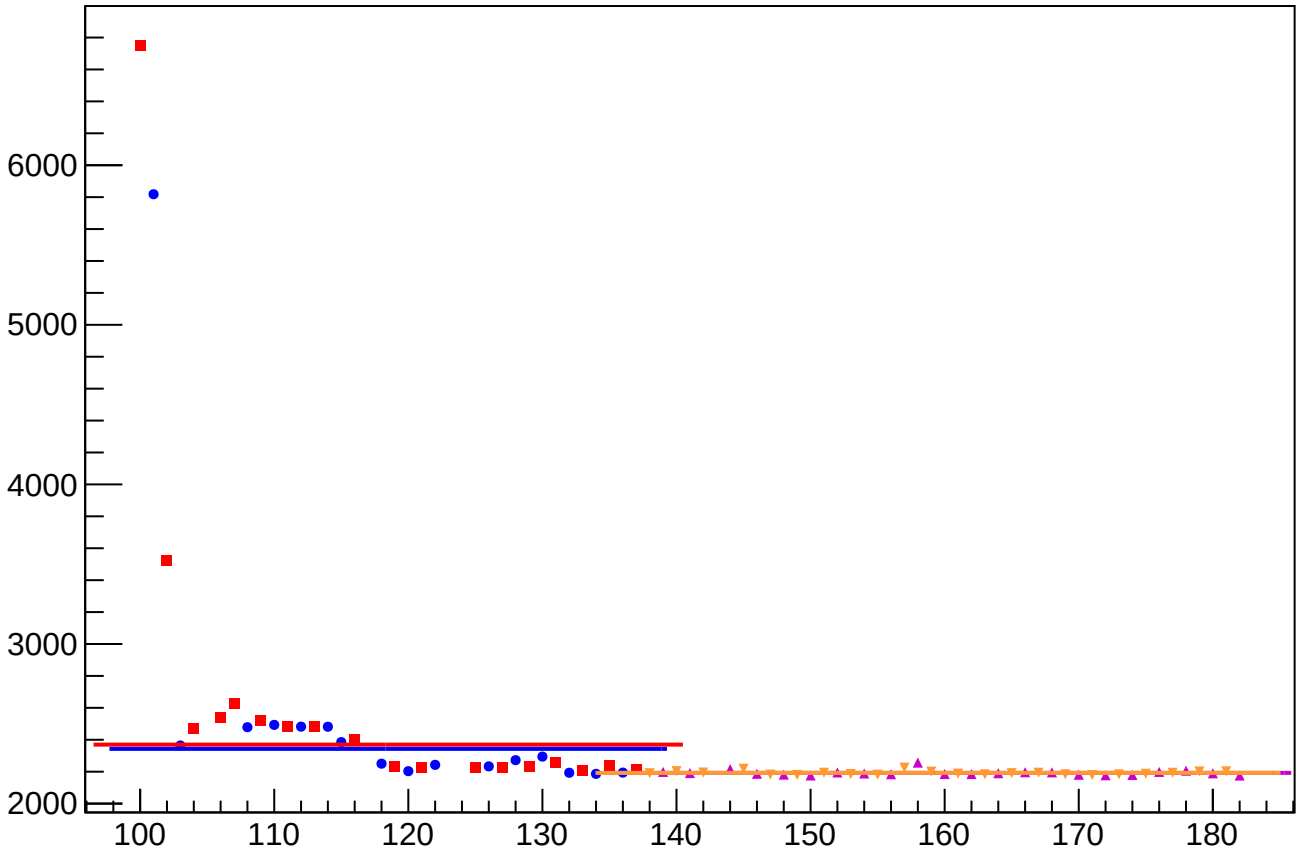
Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1544.020+/-0.240 χ^2/NDF:8692130.1/37

Out: 1197.833+/-0.208 χ^2/NDF:15581767.5/39

All: 1345.801+/-0.157 χ^2/NDF: 25461708.3/7


eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
100
110
120
130
140
150
160
170
180
Right In: 4476.427+/-886.086 χ²/NDF: 13.5/15
Left Out: 3633.069+/-523.866 χ²/NDF:21.3/21
Right Out: 3995.803+/-890.441 χ²/NDF: 15.5/17
Left In: 4173.440+/-516.150 χ²/NDF:32.6/21
Left: 3907.263+/-367.671 χ²/NDF: 54.5/43
Right: 4237.293+/-628.092 χ²/NDF: 29.2/33
In: 4250.201+/-446.000 χ²/NDF:46.3/37
Out: 3726.337+/-451.521 χ²/NDF:37.0/39
All: 3991.492+/-317.304 χ²/NDF: 83.9/77



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2192.379+/-0.370 χ^2/NDF:1035.9/21

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2192.547+/-0.365 χ^2/NDF:2227.5/21

Left: 2192.464+/-0.260 χ^2/NDF: 3263.5/43

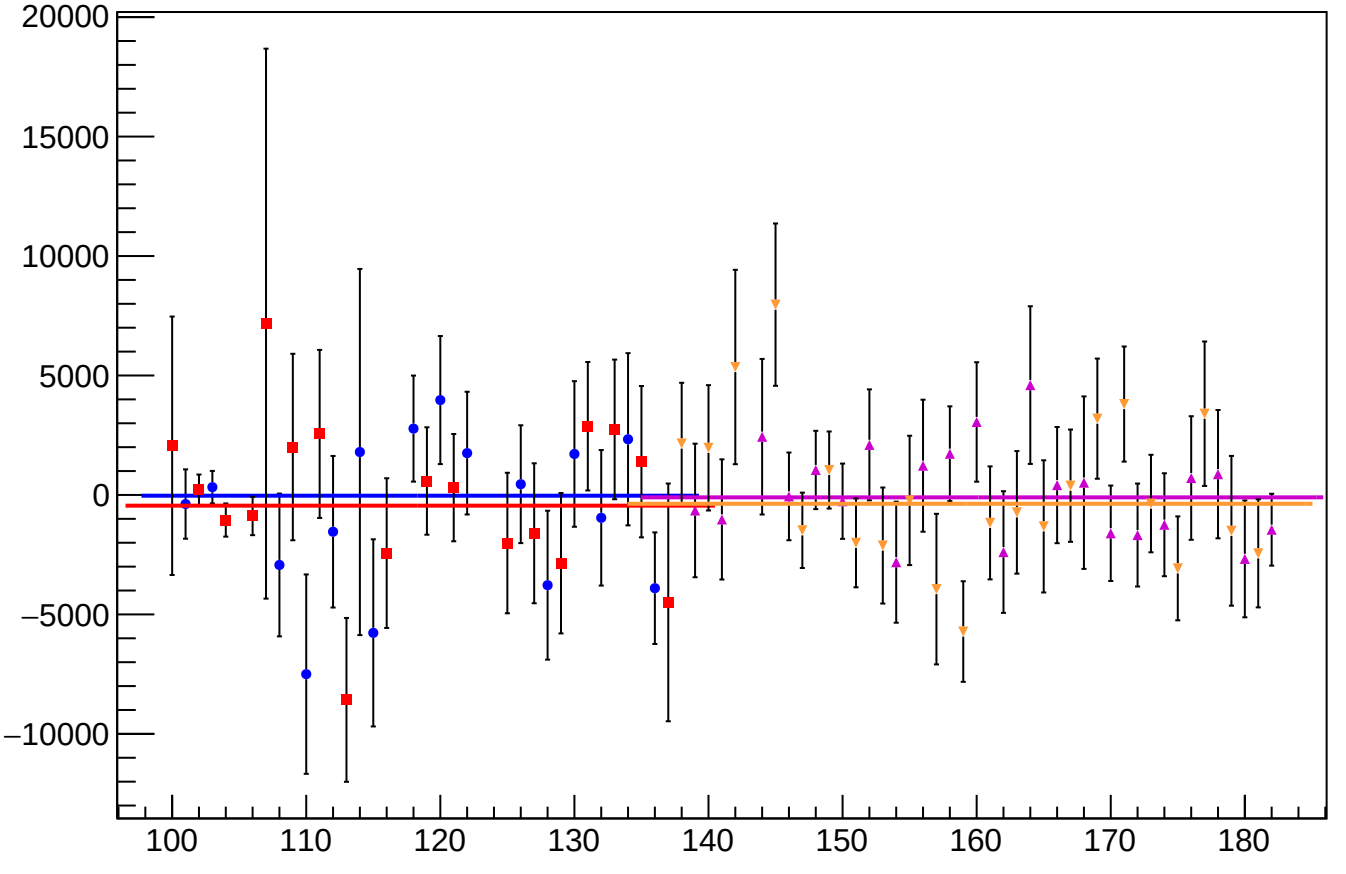
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2230.642+/-0.315 χ^2/NDF:548096.9/37

Out: 2237.940+/-0.319 χ^2/NDF:270016.4/39

All: 2234.246+/-0.224 χ^2/NDF: 818377.8/77

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -369.607+/-500.812 χ^2/NDF:29.5/21

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -100.363+/-476.227 χ^2/NDF:12.4/21

Left: -228.215+/-345.107 χ^2/NDF: 42.1/43

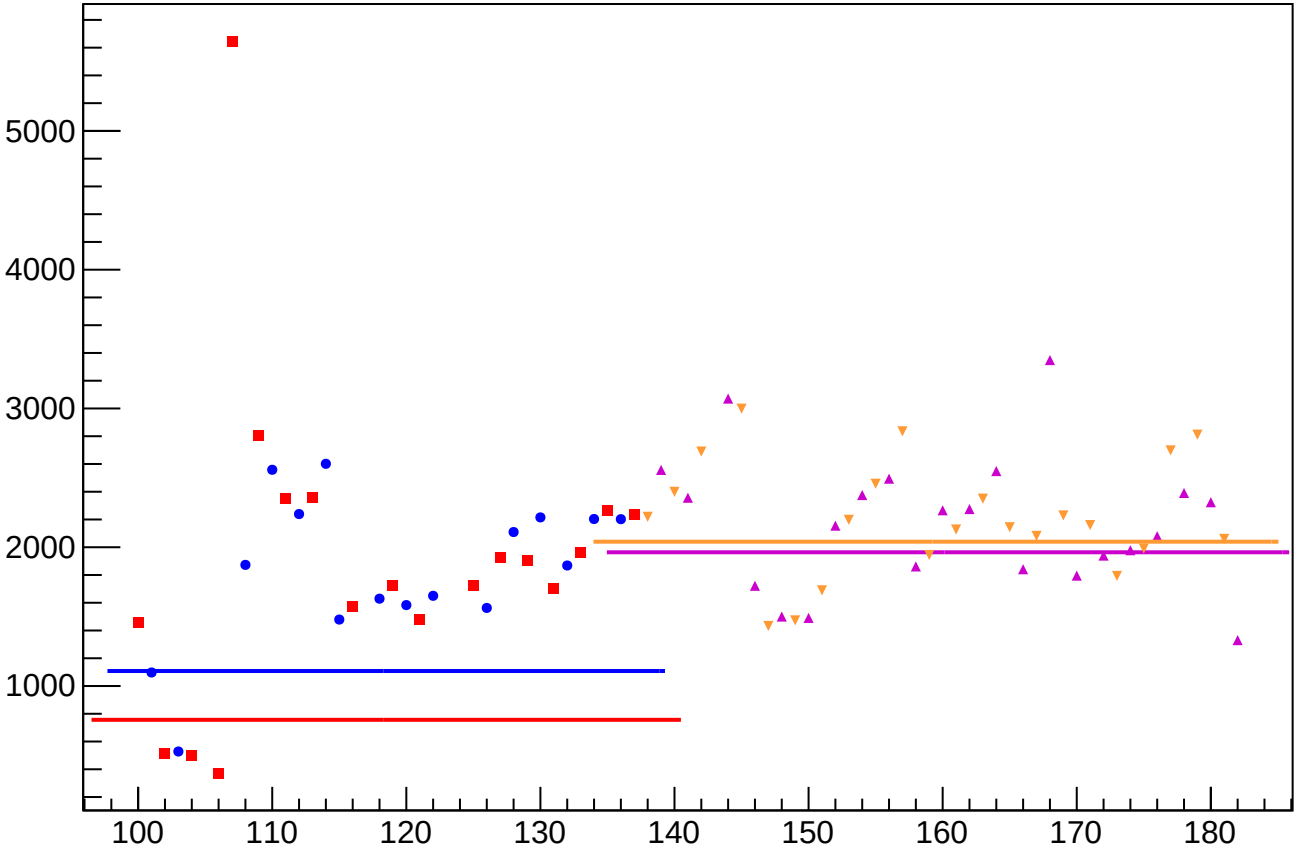
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: -66.535+/-339.916 χ^2/NDF:28.8/37

Out: -421.215+/-293.687 χ^2/NDF:44.6/39

All: -269.616+/-222.230 χ^2/NDF: 74.0/77

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: 2040.024+/-0.354 χ^2/NDF:1358263.3/21

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1963.708+/-0.337 χ^2/NDF:1779150.6/21

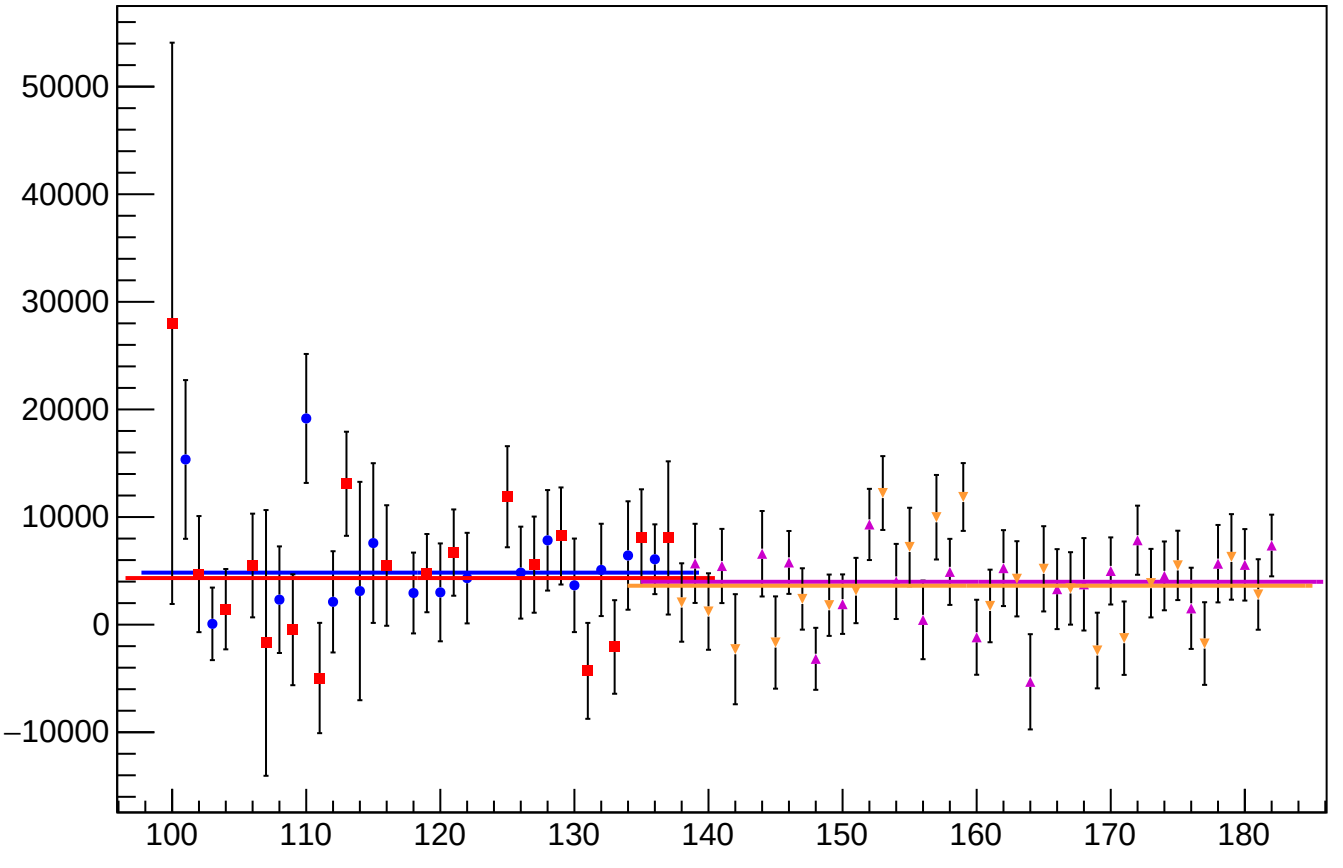
Left: 1999.947+/-0.244 χ^2/NDF: 3161802.6/43

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1544.029+/-0.240 χ^2/NDF:8691984.4/37

Out: 1197.850+/-0.208 χ^2/NDF:15581397.5/39

All: 1345.815+/-0.157 χ^2/NDF: 25461113.2/7



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3616.084+/-738.225 χ^2/NDF:29.2/21

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3981.552+/-717.634 χ^2/NDF:22.2/21

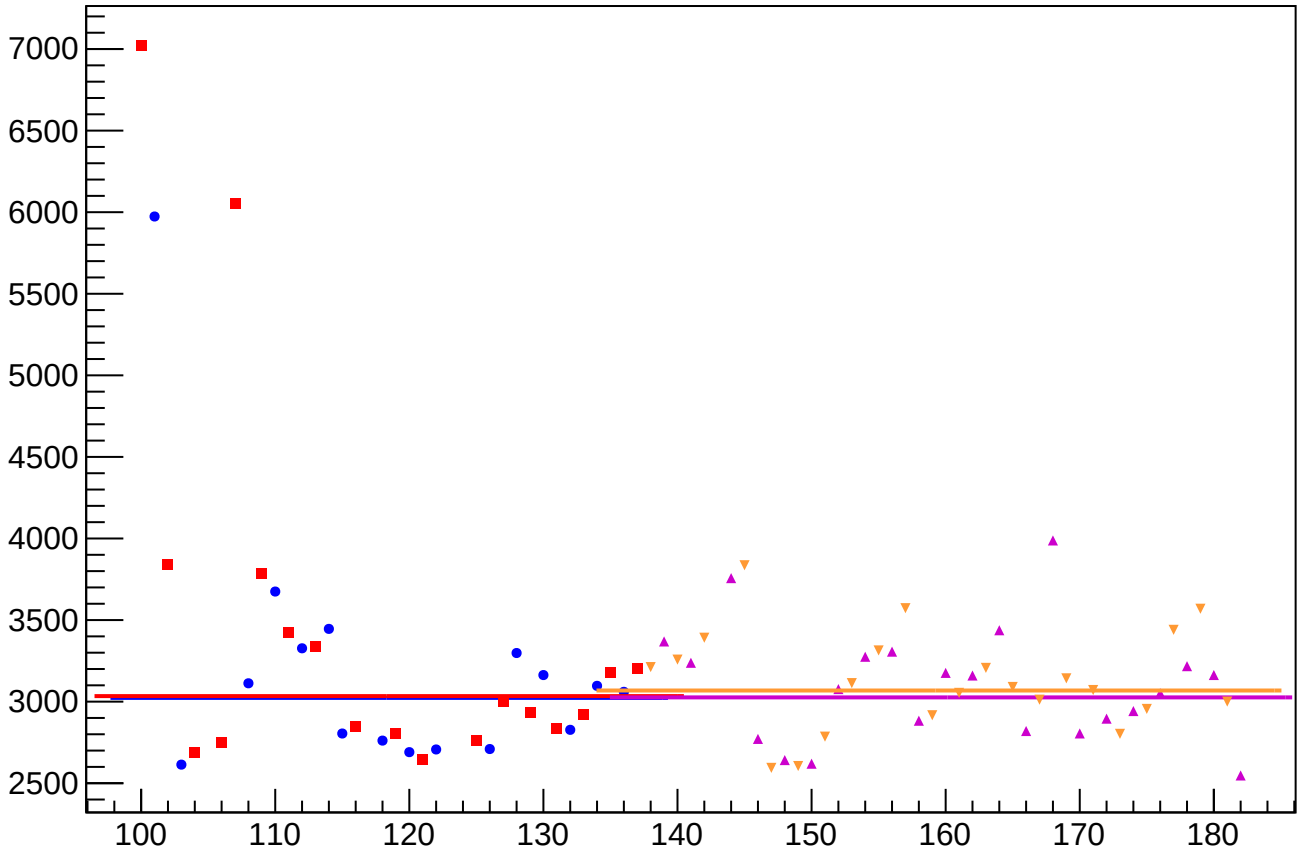
Left: 3803.986+/-514.570 χ^2/NDF: 51.4/43

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4222.660+/-607.702 χ^2/NDF:34.2/37

Out: 3825.419+/-620.375 χ^2/NDF:49.3/39

All: 4028.138+/-434.122 χ^2/NDF: 83.8/77



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3068.247+/-0.522 χ^2/NDF:325800.7/21

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3025.995+/-0.507 χ^2/NDF:423396.8/21

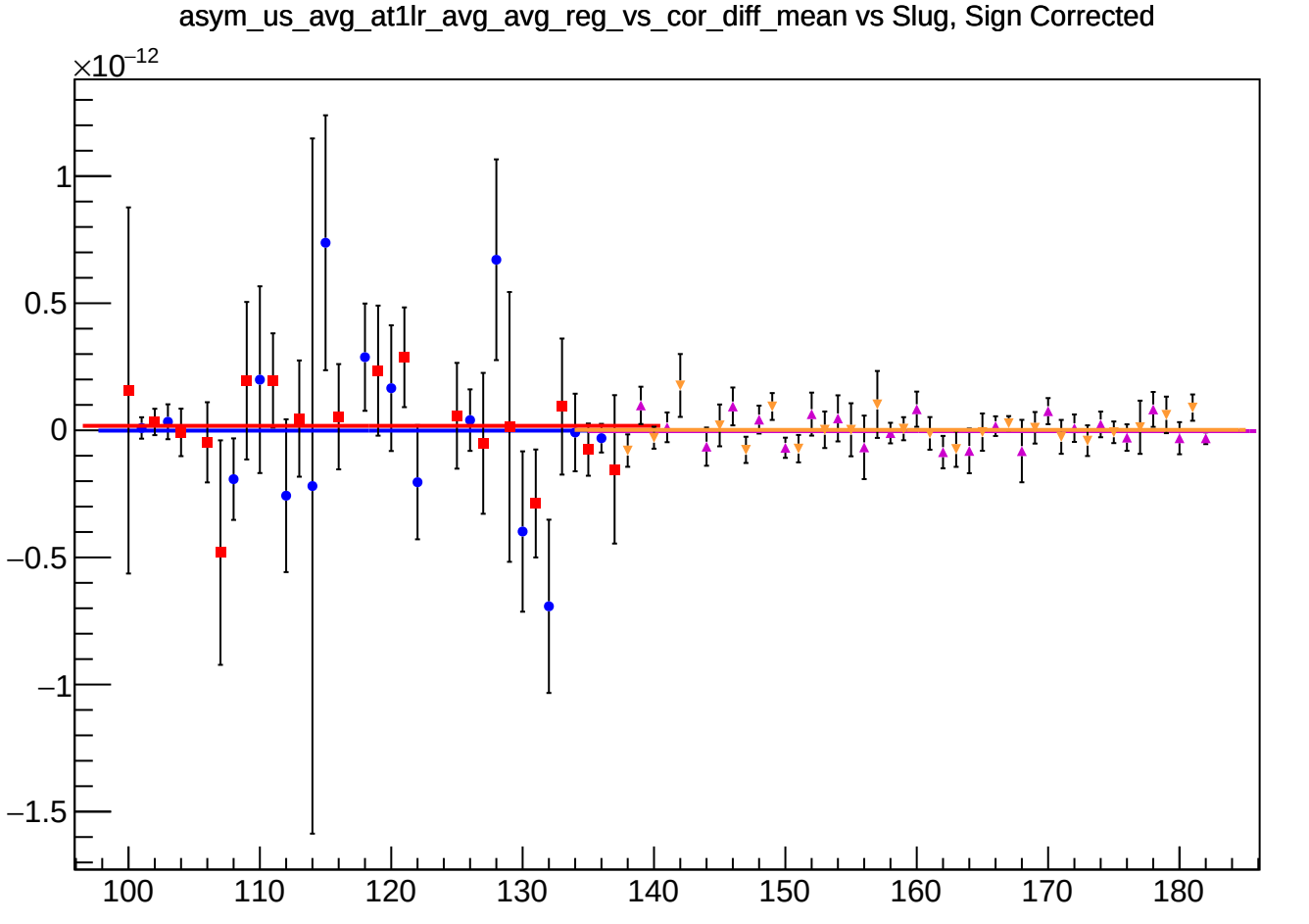
Left: 3046.523+/-0.364 χ^2/NDF: 752566.0/43

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3025.167+/-0.430 χ^2/NDF:867112.0/37

Out: 3058.147+/-0.439 χ^2/NDF:669749.7/39

All: 3041.317+/-0.307 χ^2/NDF: 1539746.1/77



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:19.7/21

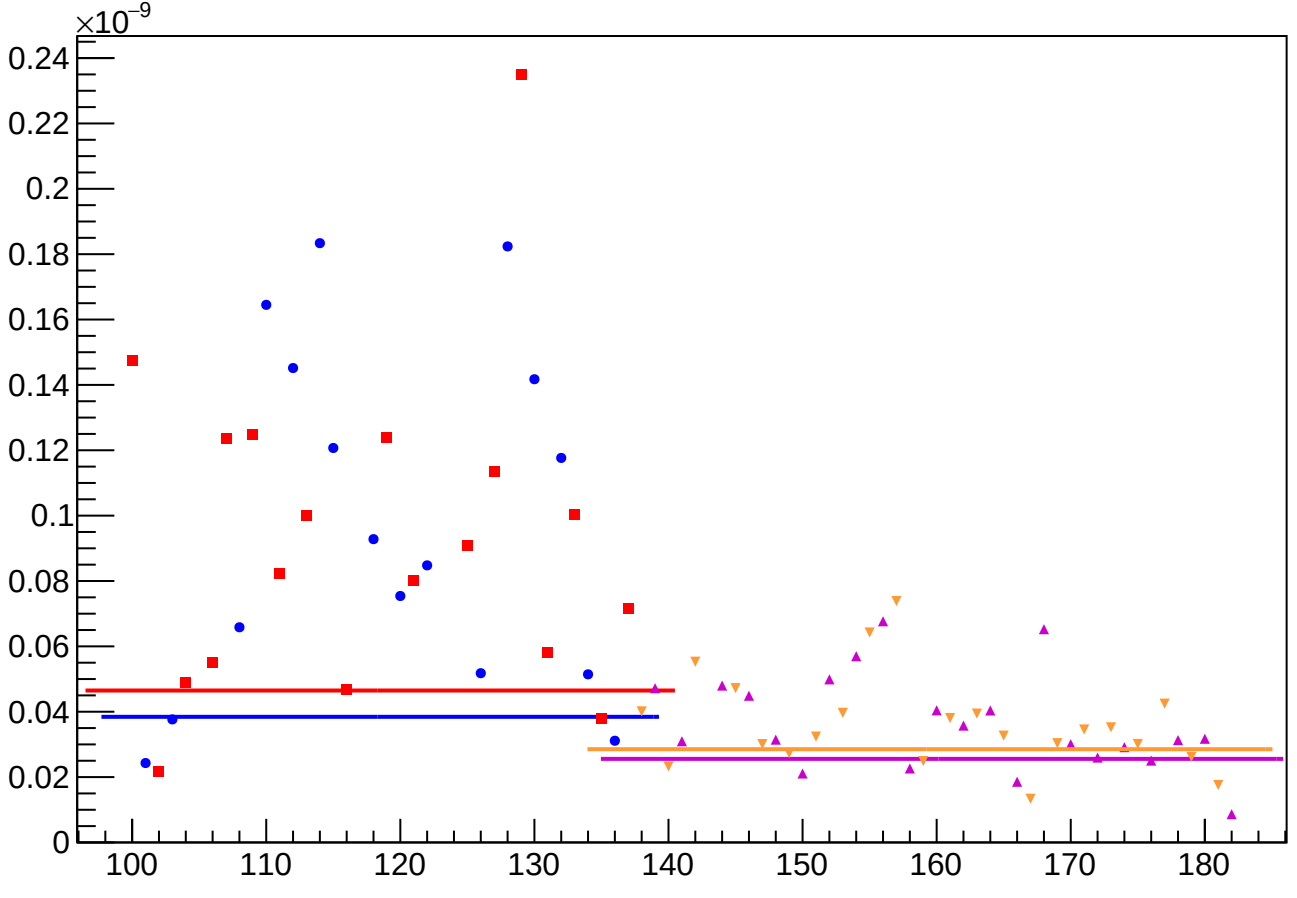
Left: -0.000+/-0.000 χ^2/NDF: 38.2/43

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: -0.000+/-0.000 χ^2/NDF:36.8/37

Out: 0.000+/-0.000 χ^2/NDF:27.5/39

All: -0.000+/-0.000 χ^2/NDF: 64.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1681498.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:2797652.7/21

Left: 0.000+/-0.000 χ^2/NDF: 4542973.1/43

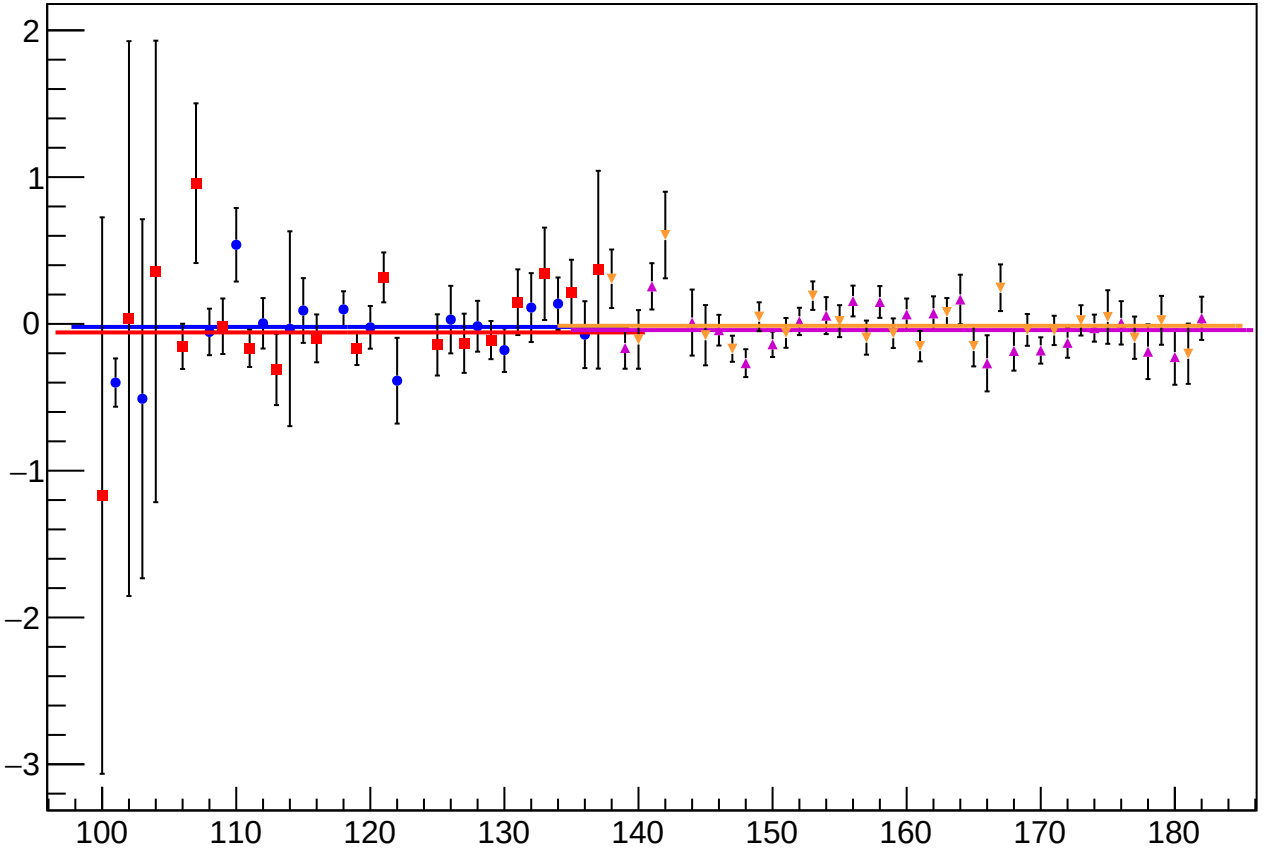
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:4950104.6/37

Out: 0.000+/-0.000 χ^2/NDF:3860056.2/39

All: 0.000+/-0.000 χ^2/NDF: 8888520.6/77

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: -0.013+/-0.026 χ^2/NDF:24.3/21

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.042+/-0.025 χ^2/NDF:30.1/21

Left: -0.028+/-0.018 χ^2/NDF: 55.1/43

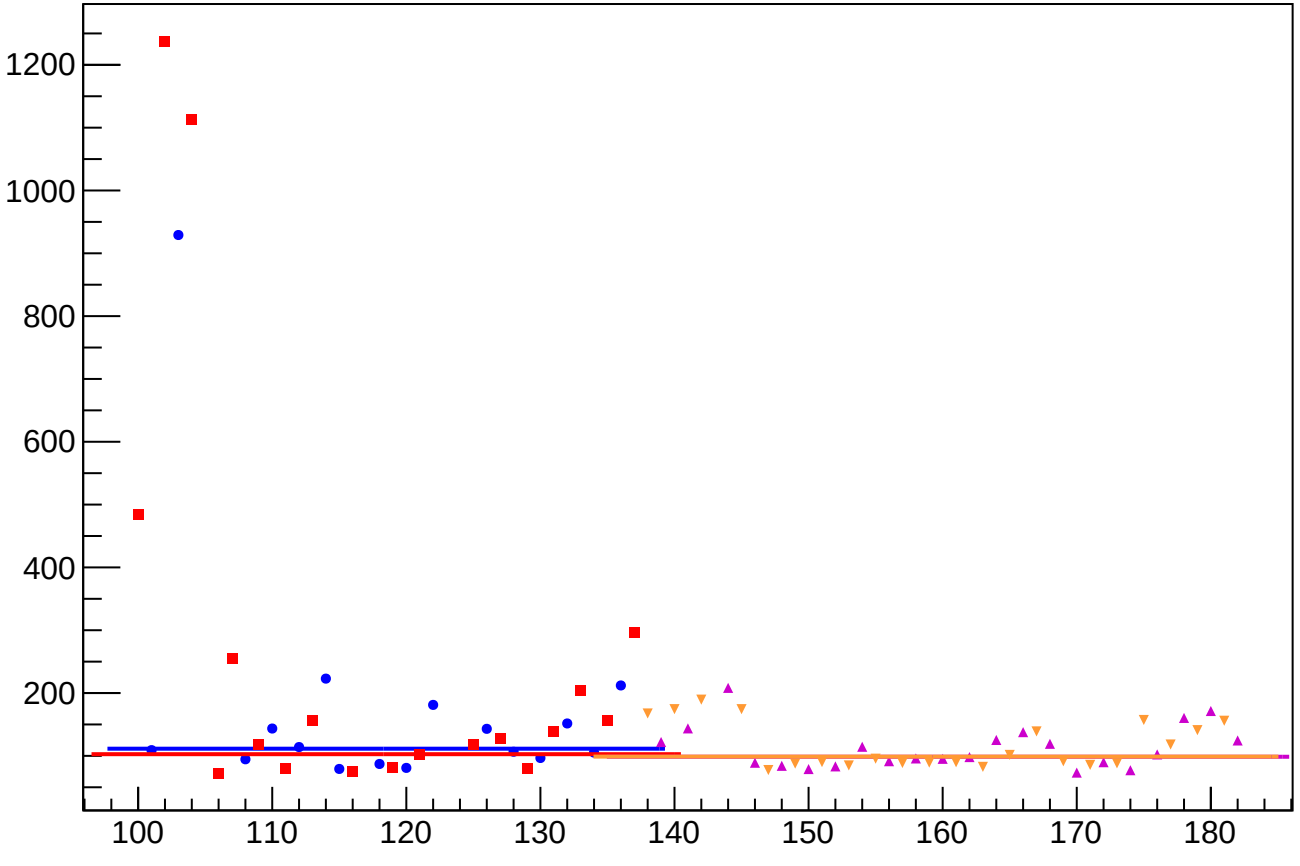
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.037+/-0.022 χ^2/NDF:45.9/37

Out: -0.024+/-0.023 χ^2/NDF:41.9/39

All: -0.031+/-0.016 χ^2/NDF: 87.9/77

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: 98.810+/-0.018 χ^2/NDF:2006263.9/21

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 98.577+/-0.018 χ^2/NDF:2001759.5/21

Left: 98.690+/-0.013 χ^2/NDF: 4008106.0/43

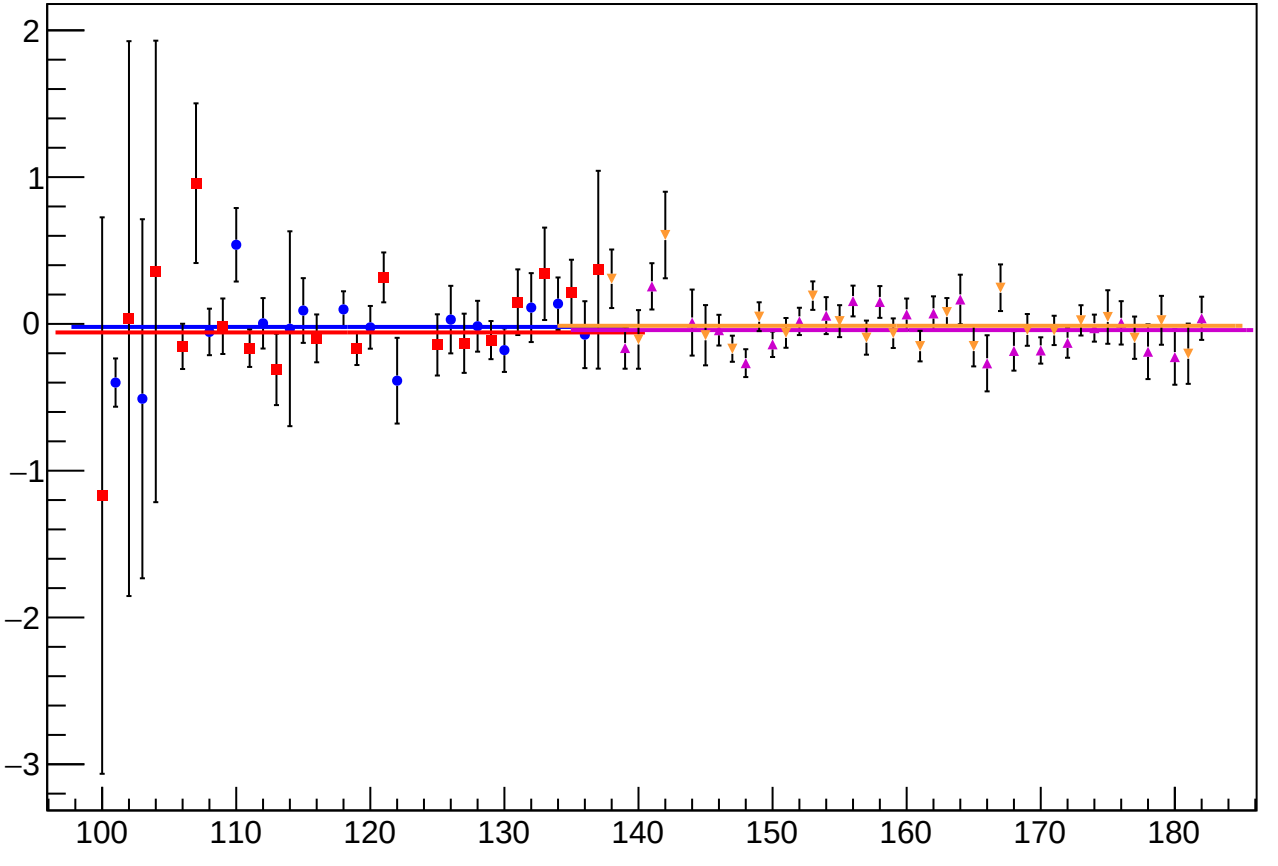
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.395+/-0.016 χ^2/NDF:3954360.6/37

Out: 99.729+/-0.016 χ^2/NDF:4843679.3/39

All: 100.574+/-0.011 χ^2/NDF: 8803534.0/77

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: -0.013+/-0.026 χ^2/NDF:24.3/21

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.042+/-0.025 χ^2/NDF:30.1/21

Left: -0.028+/-0.018 χ^2/NDF: 55.1/43

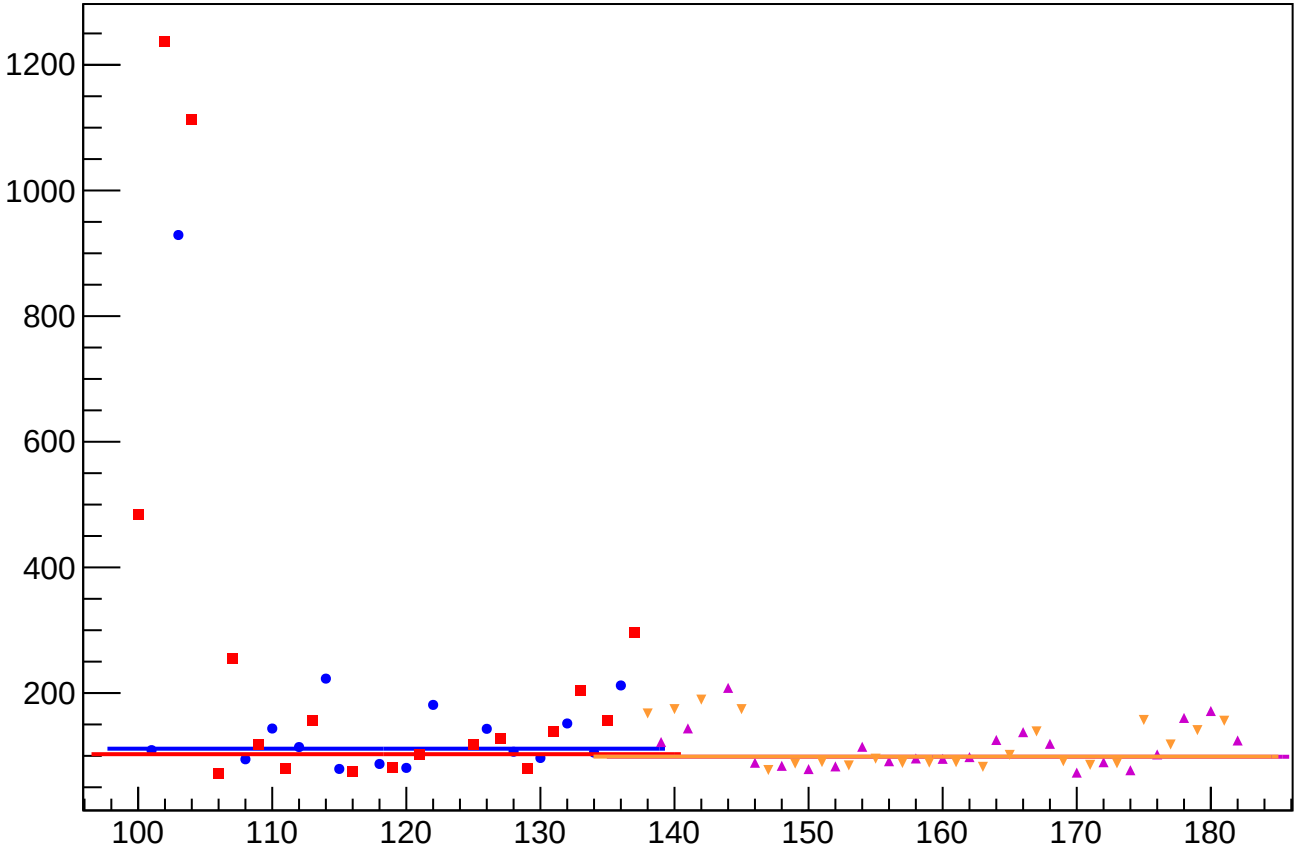
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.037+/-0.022 χ^2/NDF:45.9/37

Out: -0.024+/-0.023 χ^2/NDF:41.9/39

All: -0.031+/-0.016 χ^2/NDF: 87.9/77

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: 98.810+/-0.018 χ^2/NDF:2006263.9/21

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 98.577+/-0.018 χ^2/NDF:2001759.5/21

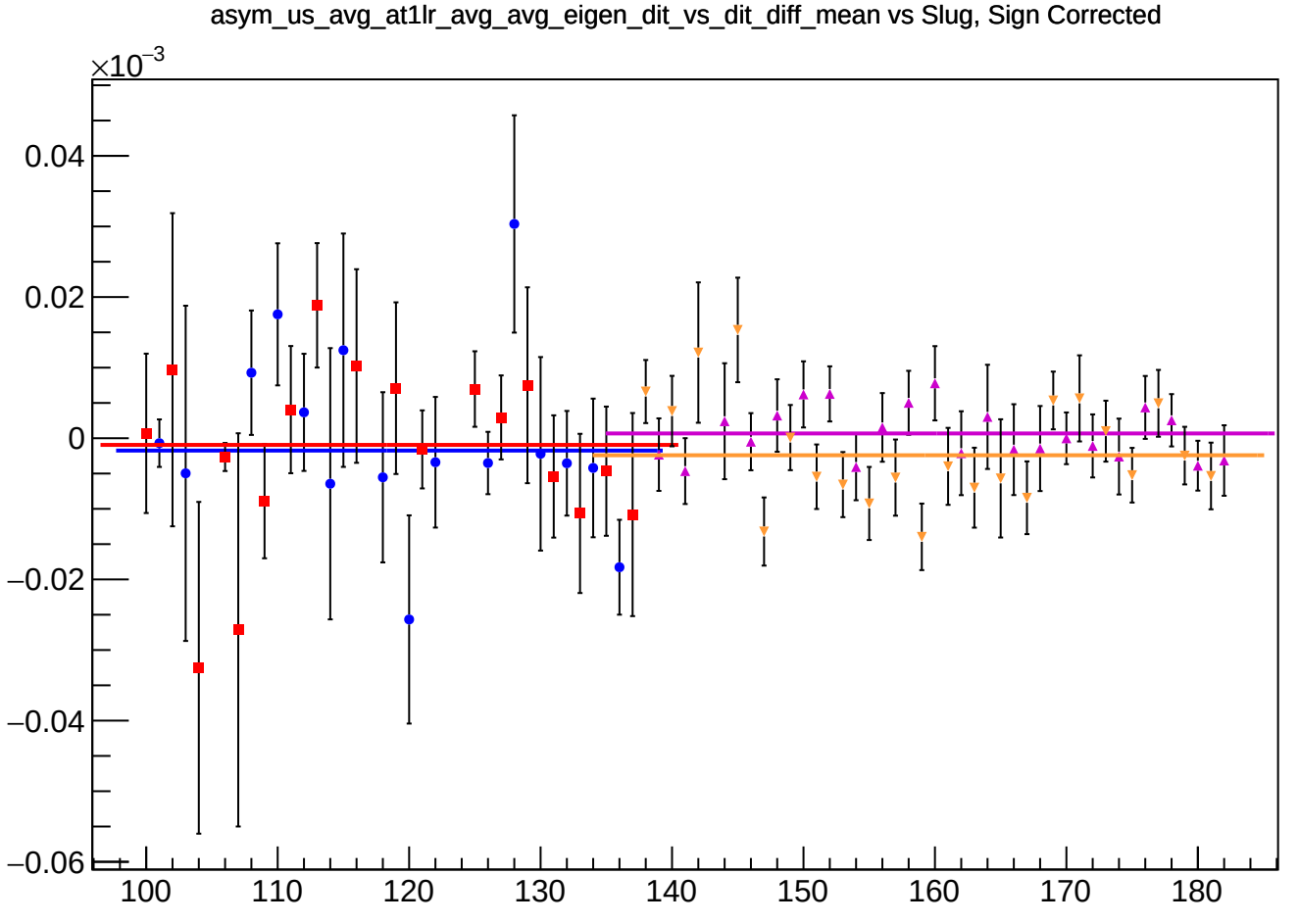
Left: 98.690+/-0.013 χ^2/NDF: 4008106.0/43

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.395+/-0.016 χ^2/NDF:3954360.6/37

Out: 99.729+/-0.016 χ^2/NDF:4843679.3/39

All: 100.574+/-0.011 χ^2/NDF: 8803534.0/77



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:13.6/21

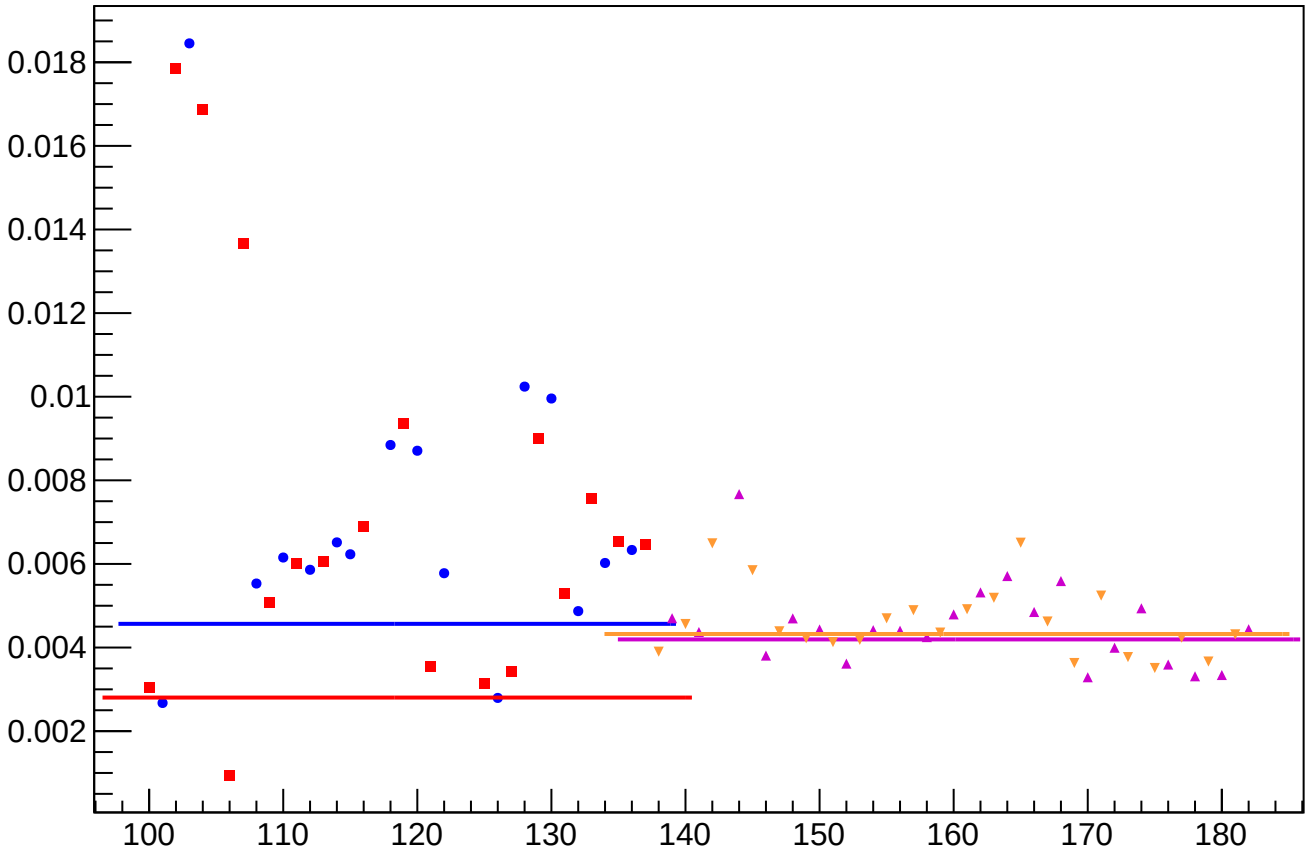
Left: -0.000+/-0.000 χ^2/NDF: 57.8/43

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:34.9/37

Out: -0.000+/-0.000 χ^2/NDF:56.2/39

All: -0.000+/-0.000 χ^2/NDF: 93.8/77



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:732205.7/21

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:1221138.3/21

Left: 0.004+/-0.000 χ^2/NDF: 1969093.4/43

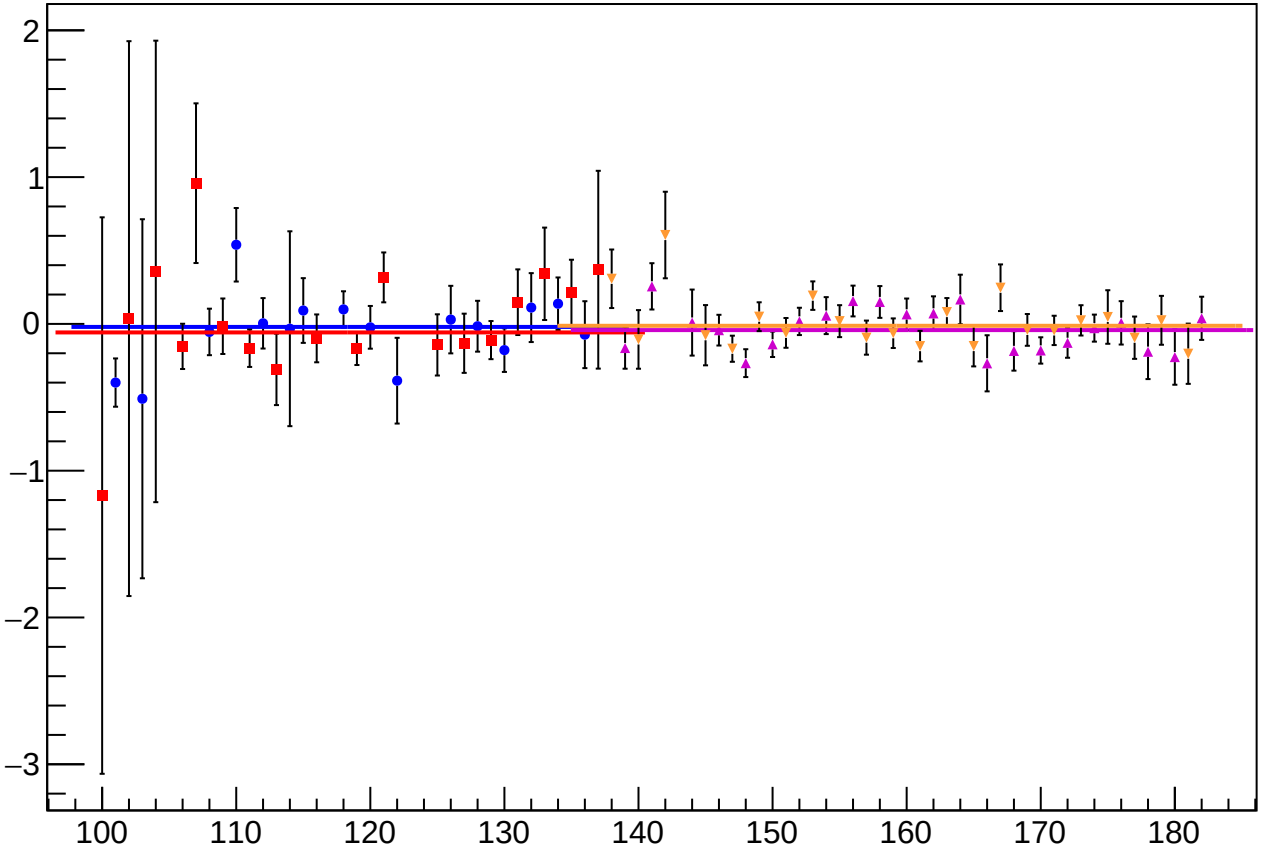
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:4291913.1/37

Out: 0.004+/-0.000 χ^2/NDF:8741866.9/39

All: 0.004+/-0.000 χ^2/NDF: 13315108.2/77

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: -0.013+/-0.026 χ^2/NDF:24.3/21

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.042+/-0.025 χ^2/NDF:30.1/21

Left: -0.028+/-0.018 χ^2/NDF: 55.1/43

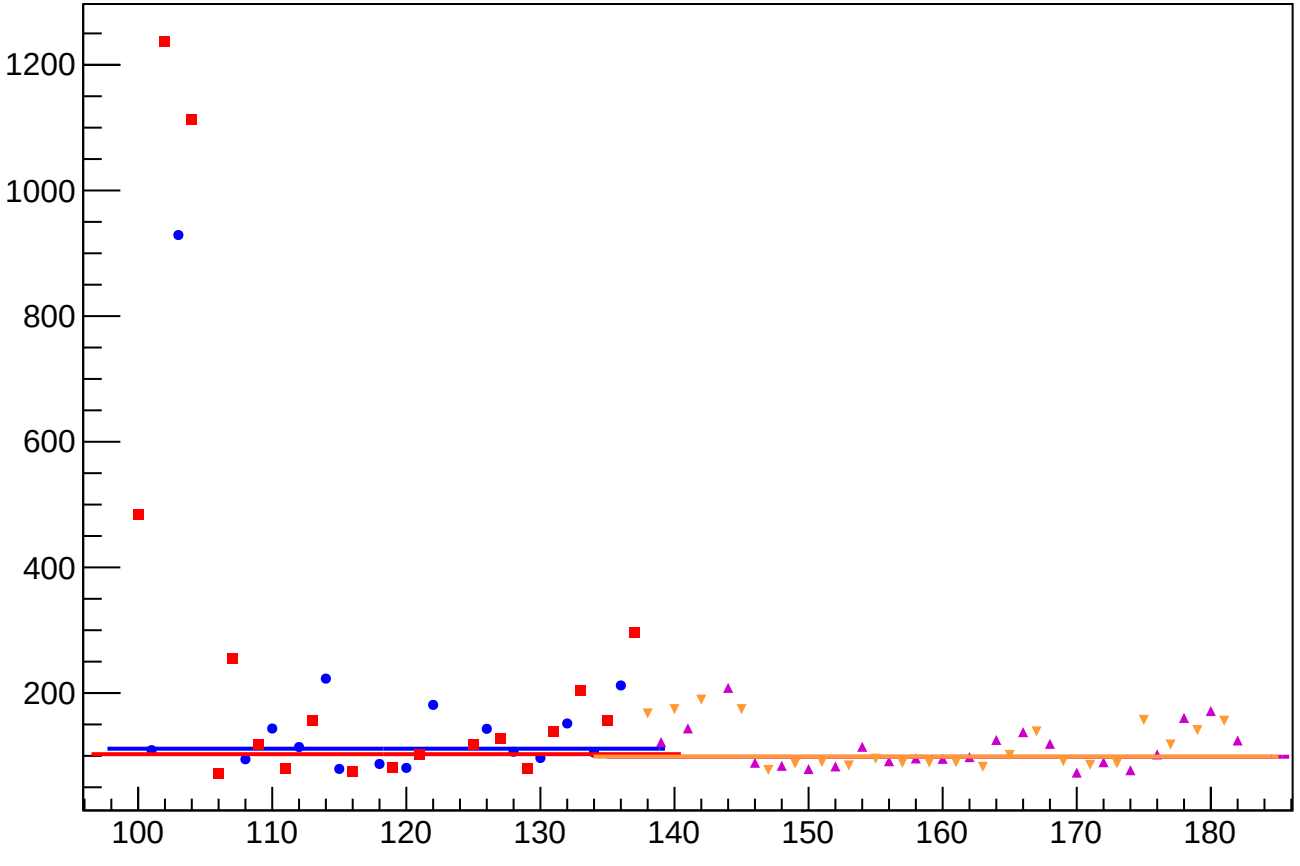
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.037+/-0.022 χ^2/NDF:45.9/37

Out: -0.024+/-0.023 χ^2/NDF:41.9/39

All: -0.031+/-0.016 χ^2/NDF: 87.9/77

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: 98.810+/-0.018 χ^2/NDF:2006232.8/21

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 98.577+/-0.018 χ^2/NDF:2001728.2/21

Left: 98.691+/-0.013 χ^2/NDF: 4008043.8/43

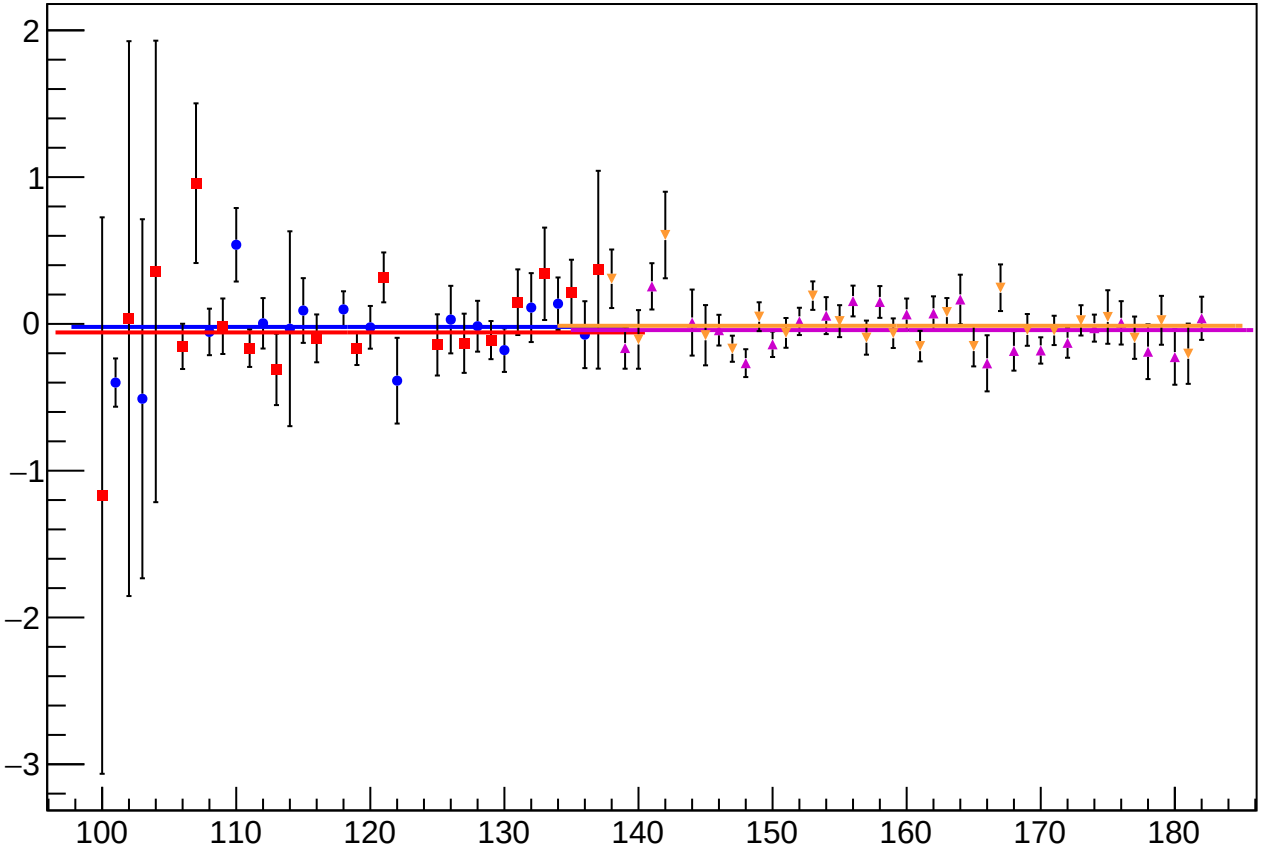
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.395+/-0.016 χ^2/NDF:3954323.1/37

Out: 99.729+/-0.016 χ^2/NDF:4843631.4/39

All: 100.574+/-0.011 χ^2/NDF: 8803446.3/77

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: -0.013+/-0.026 χ^2/NDF:24.3/21

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.042+/-0.025 χ^2/NDF:30.1/21

Left: -0.028+/-0.018 χ^2/NDF: 55.1/43

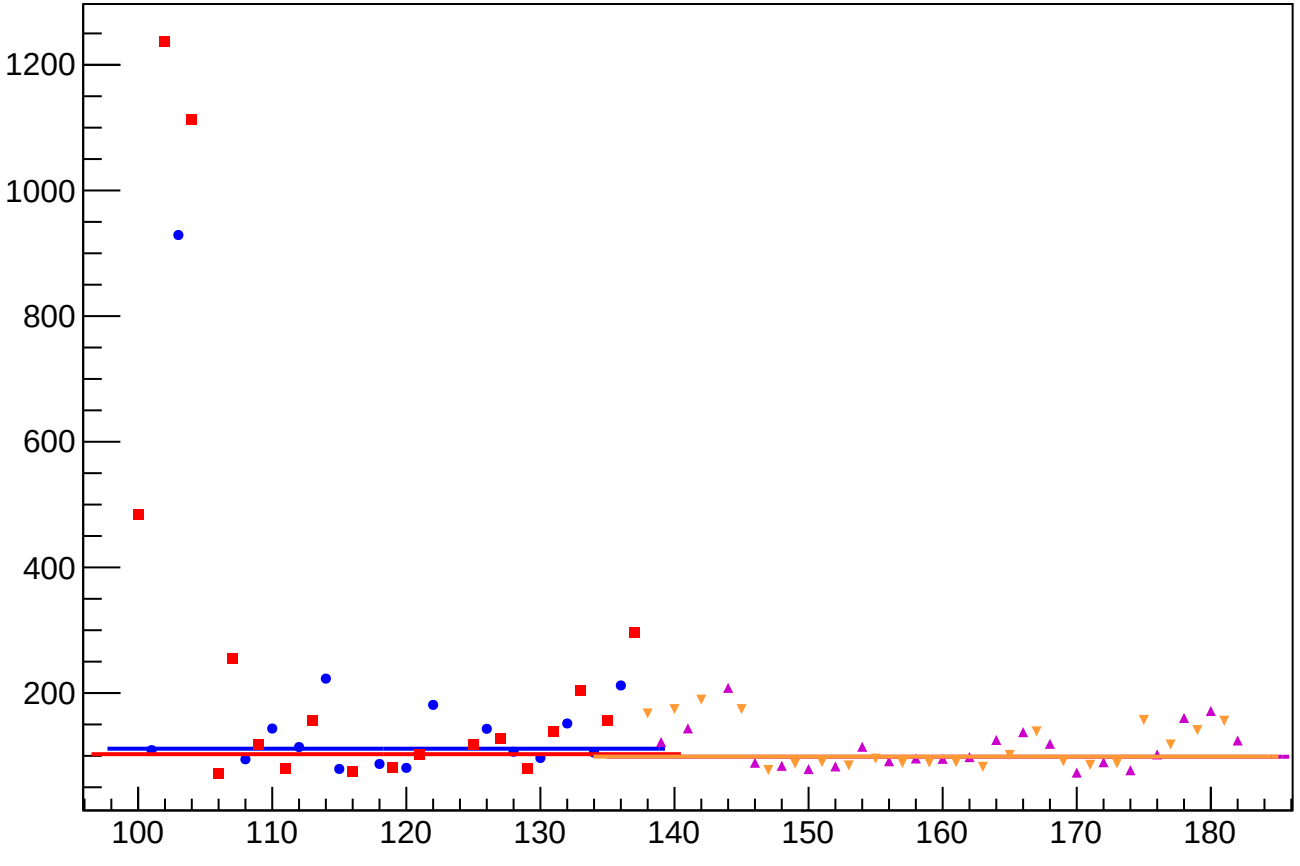
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.037+/-0.022 χ^2/NDF:45.9/37

Out: -0.024+/-0.023 χ^2/NDF:41.9/39

All: -0.031+/-0.016 χ^2/NDF: 87.9/77

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: 98.810+/-0.018 χ^2/NDF:2006232.8/21

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 98.577+/-0.018 χ^2/NDF:2001728.2/21

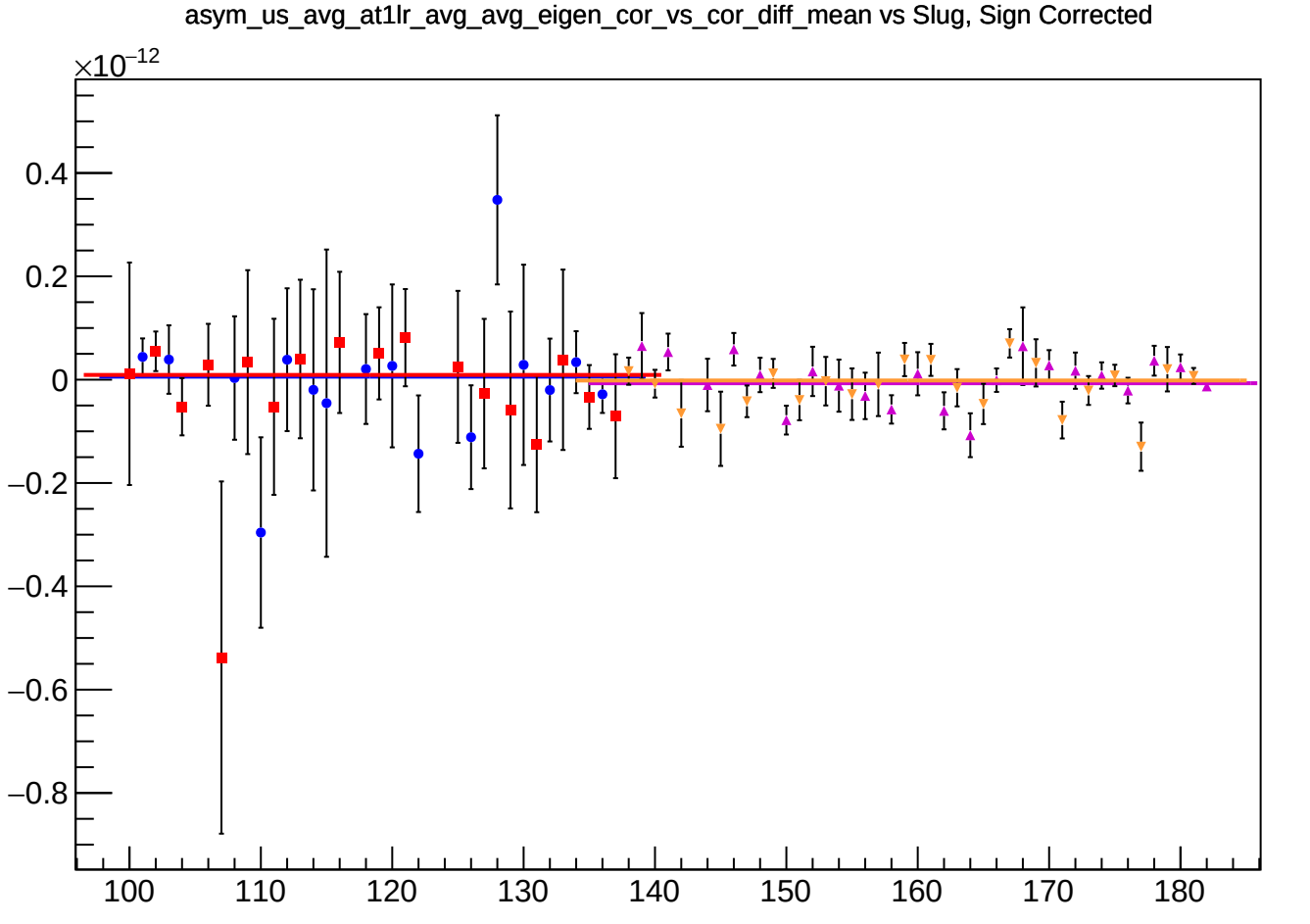
Left: 98.691+/-0.013 χ^2/NDF: 4008043.8/43

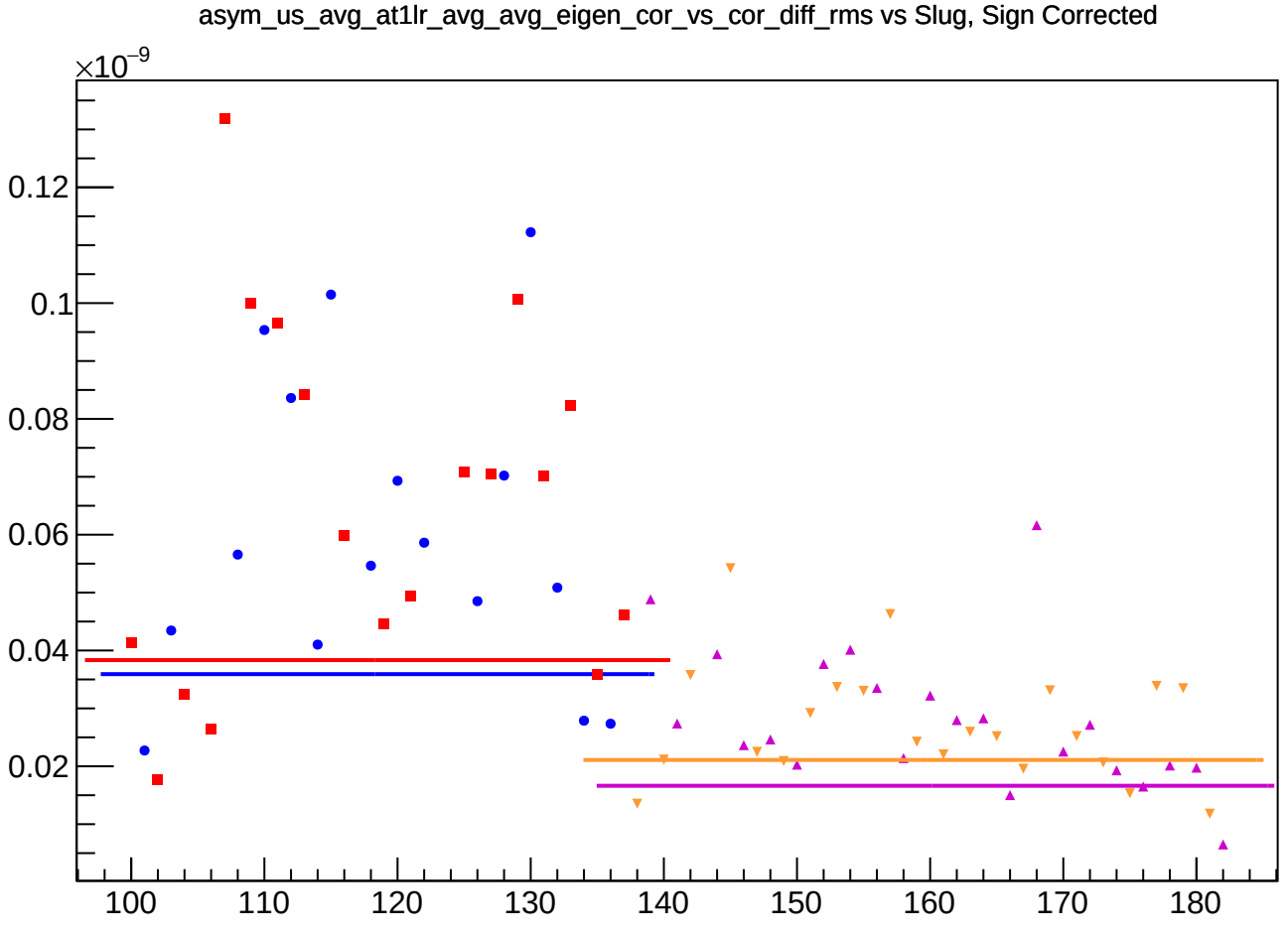
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.395+/-0.016 χ^2/NDF:3954323.1/37

Out: 99.729+/-0.016 χ^2/NDF:4843631.4/39

All: 100.574+/-0.011 χ^2/NDF: 8803446.3/77


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:32.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 8.7/17
Left In: -0.000+/-0.000 χ²/NDF:35.2/21
Left: -0.000+/-0.000 χ²/NDF: 67.6/43
Right: 0.000+/-0.000 χ²/NDF: 21.6/33
In: -0.000+/-0.000 χ²/NDF:48.5/37
Out: -0.000+/-0.000 χ²/NDF:40.9/39
All: -0.000+/-0.000 χ²/NDF: 89.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2824872.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:6952734.9/21

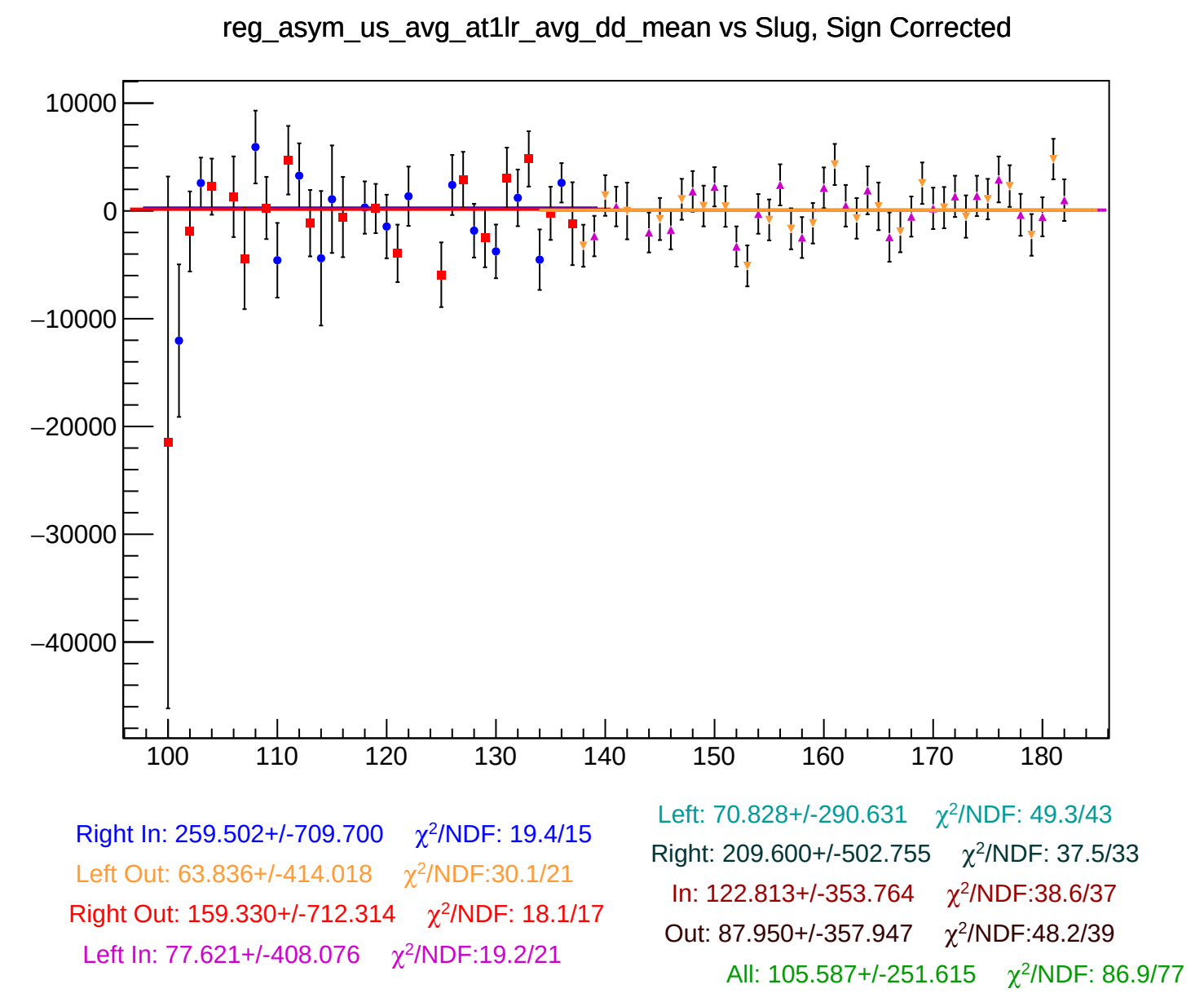
Left: 0.000+/-0.000 χ^2/NDF: 10303221.1/43

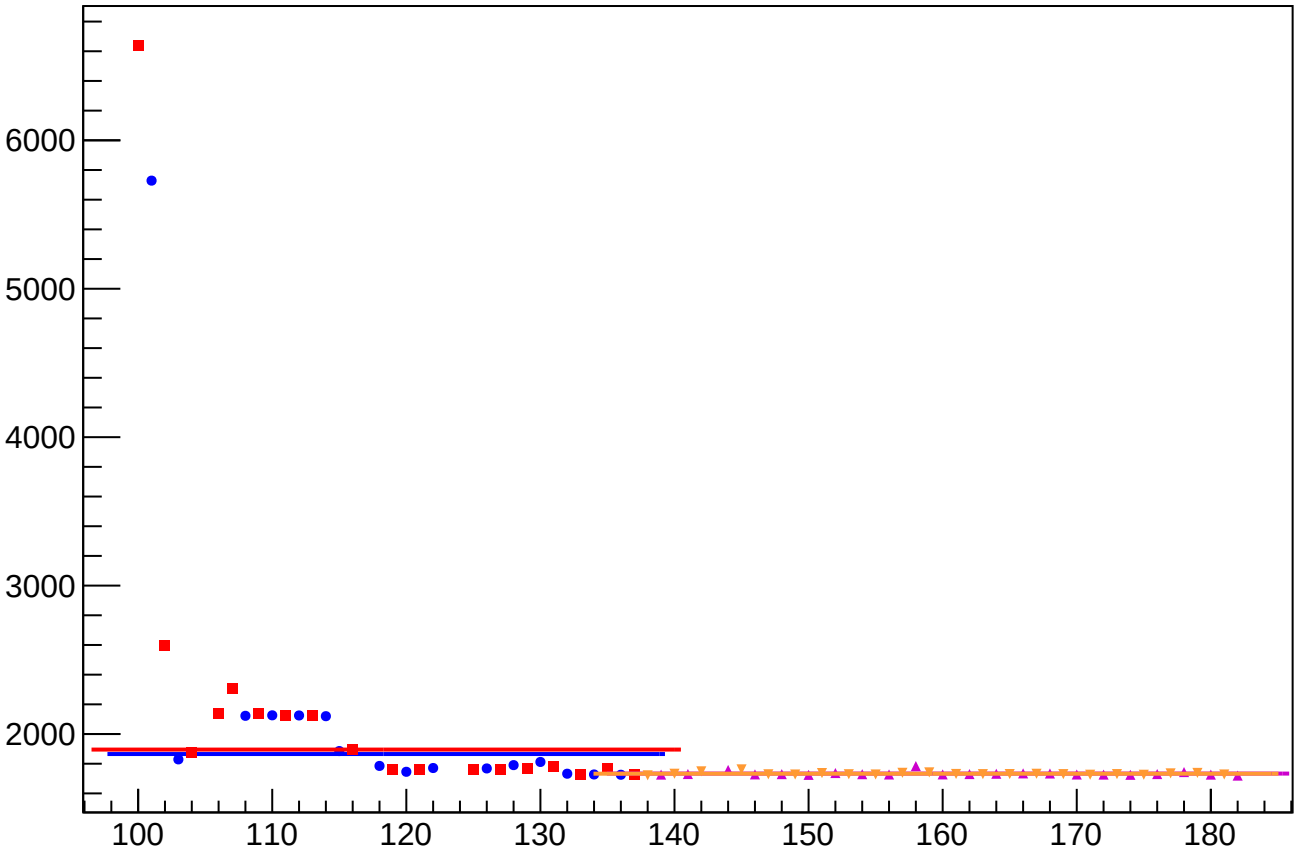
Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:10577205.1/37

Out: 0.000+/-0.000 χ^2/NDF:6188642.9/39

All: 0.000+/-0.000 χ^2/NDF: 17347702.6/77


reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: 259.502+/-709.700 χ²/NDF: 19.4/15
Left Out: 63.836+/-414.018 χ²/NDF:30.1/21
Right Out: 159.330+/-712.314 χ²/NDF: 18.1/17
Left In: 77.621+/-408.076 χ²/NDF:19.2/21
Left: 70.828+/-290.631 χ²/NDF: 49.3/43
Right: 209.600+/-502.755 χ²/NDF: 37.5/33
In: 122.813+/-353.764 χ²/NDF:38.6/37
Out: 87.950+/-357.947 χ²/NDF:48.2/39
All: 105.587+/-251.615 χ²/NDF: 86.9/77



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.783+/-0.293 χ^2/NDF:807.6/21

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1733.522+/-0.289 χ^2/NDF:2199.1/21

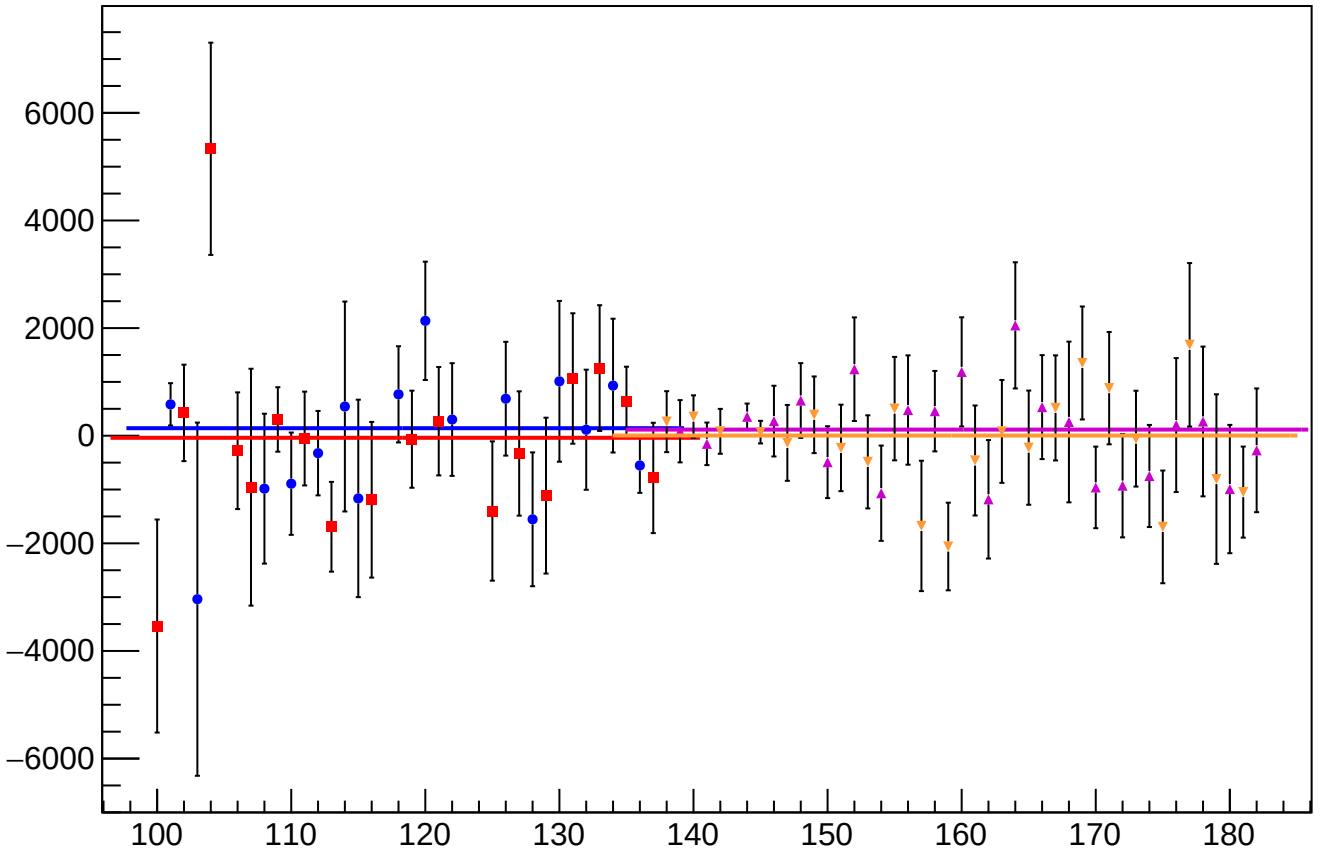
Left: 1733.158+/-0.206 χ^2/NDF: 3010.0/43

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1766.233+/-0.250 χ^2/NDF:726643.2/37

Out: 1773.809+/-0.253 χ^2/NDF:329385.1/39

All: 1769.977+/-0.178 χ^2/NDF: 1056481.5/77



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 3.727+/-130.969 χ^2/NDF:19.0/21

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 113.647+/-143.767 χ^2/NDF:16.8/21

Left: 53.577+/-96.818 χ^2/NDF: 36.1/43

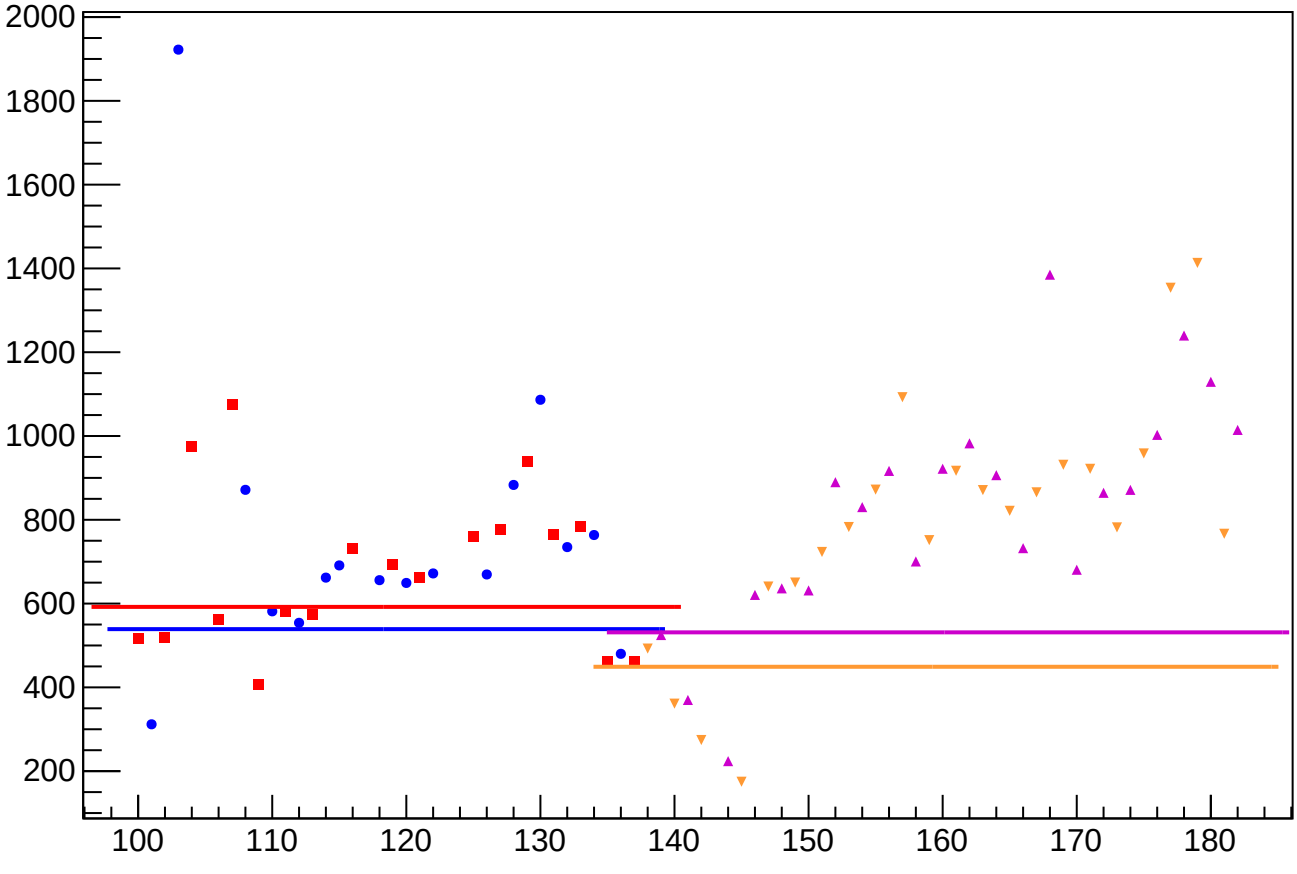
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 121.468+/-120.365 χ^2/NDF:30.3/37

Out: -6.102+/-114.771 χ^2/NDF:40.4/39

All: 54.650+/-83.063 χ^2/NDF: 71.3/77

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 449.157+/-0.093 χ^2/NDF:10684904.4/21

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 531.315+/-0.102 χ^2/NDF:8318529.1/21

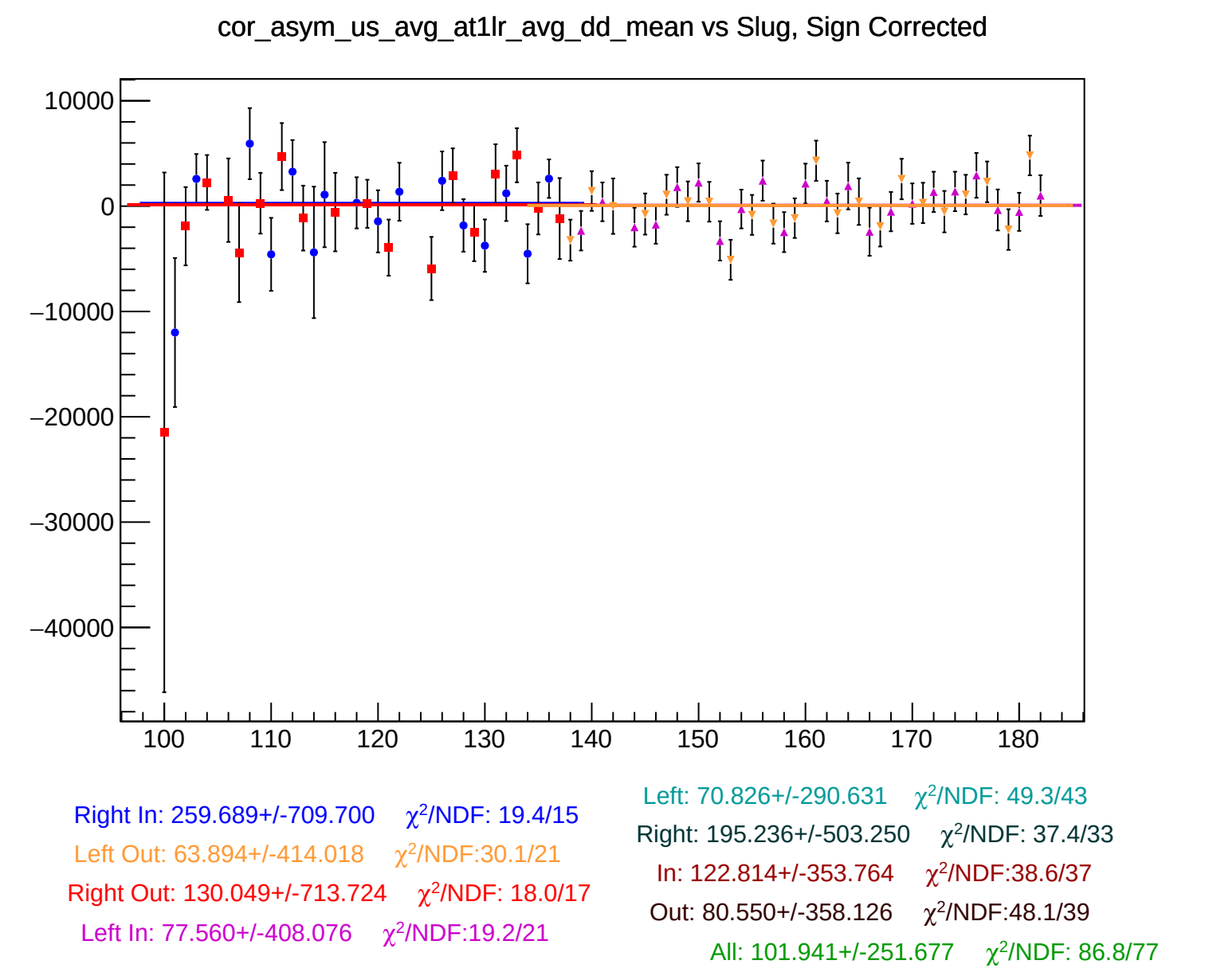
Left: 486.417+/-0.068 χ^2/NDF: 19360363.0/43

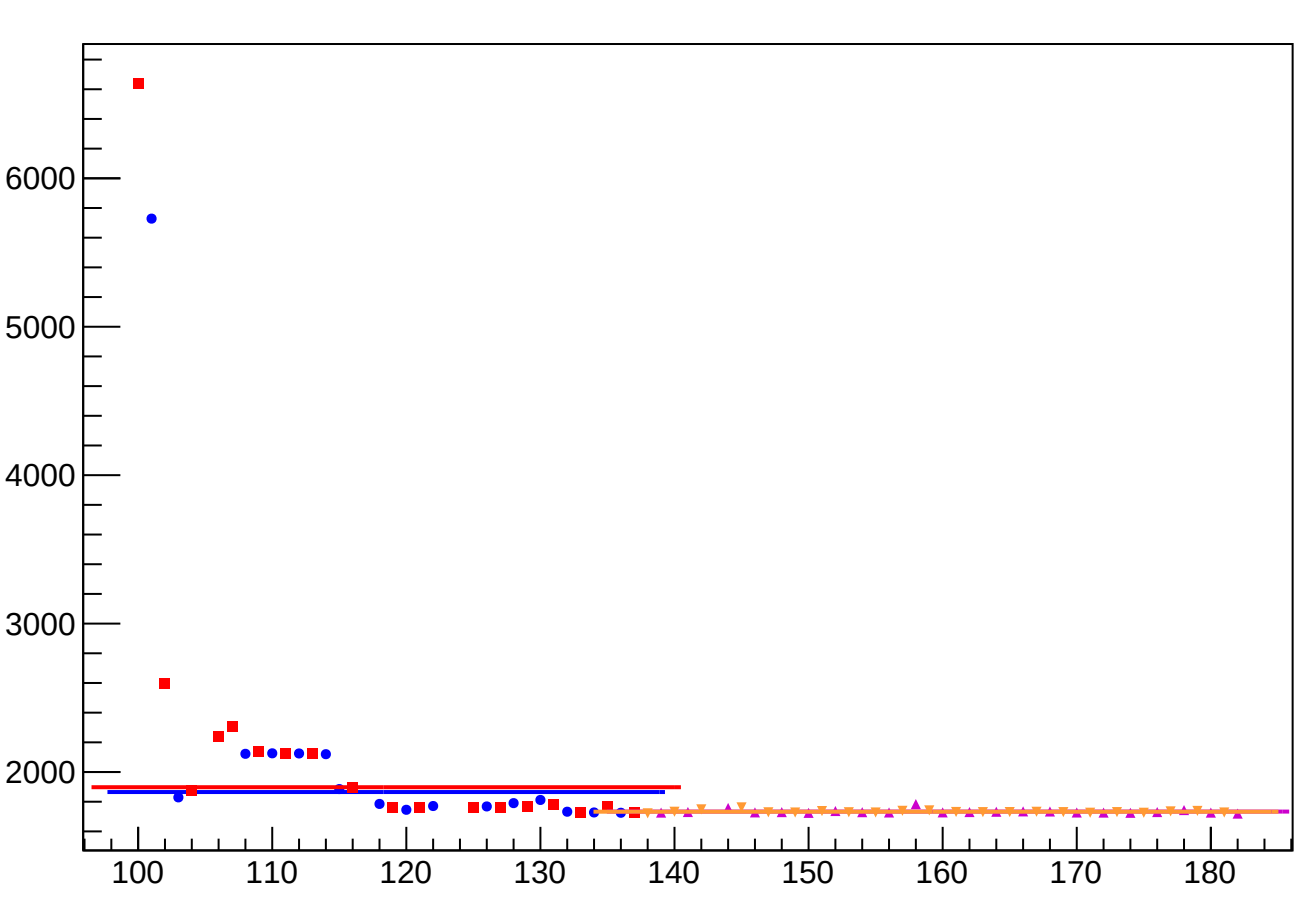
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 533.618+/-0.085 χ^2/NDF:10174822.0/37

Out: 482.328+/-0.081 χ^2/NDF:12080828.9/39

All: 506.753+/-0.059 χ^2/NDF: 22445865.0/77


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
170
180
Right In: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: 63.894+/-414.018 χ²/NDF:30.1/21
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: 77.560+/-408.076 χ²/NDF:19.2/21
Left: 70.826+/-290.631 χ²/NDF: 49.3/43
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: 122.814+/-353.764 χ²/NDF:38.6/37
Out: 80.550+/-358.126 χ²/NDF:48.1/39
All: 101.941+/-251.677 χ²/NDF: 86.8/77



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.783+/-0.293 χ^2/NDF:807.6/21

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.523+/-0.289 χ^2/NDF:2199.1/21

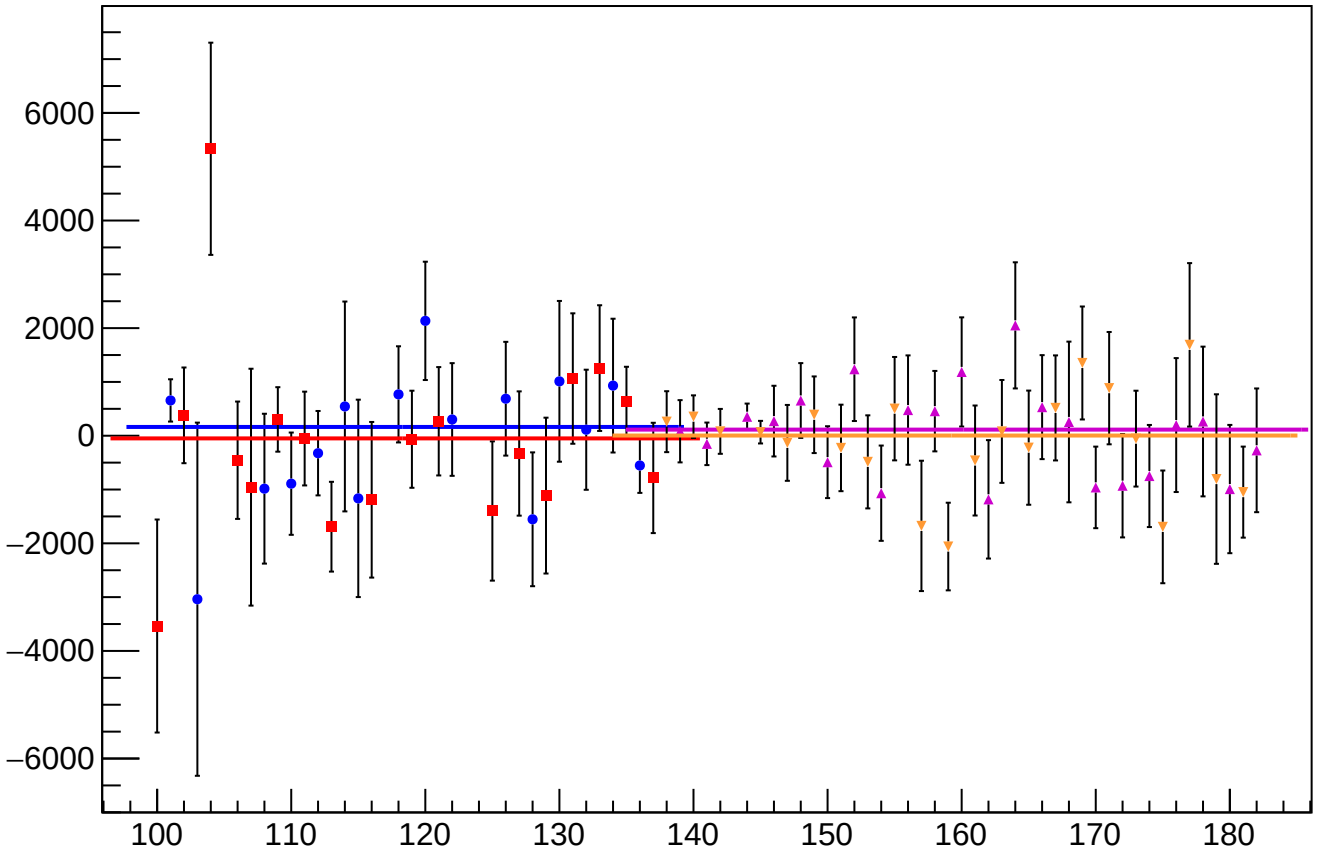
Left: 1733.158+/-0.206 χ^2/NDF: 3010.0/43

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1766.233+/-0.250 χ^2/NDF:726643.0/37

Out: 1774.305+/-0.253 χ^2/NDF:338440.7/39

All: 1770.220+/-0.178 χ^2/NDF: 1065598.0/77



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 3.605+/-130.971 χ^2/NDF:19.0/21

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 113.620+/-143.767 χ^2/NDF:16.8/21

Left: 53.499+/-96.819 χ^2/NDF: 36.1/43

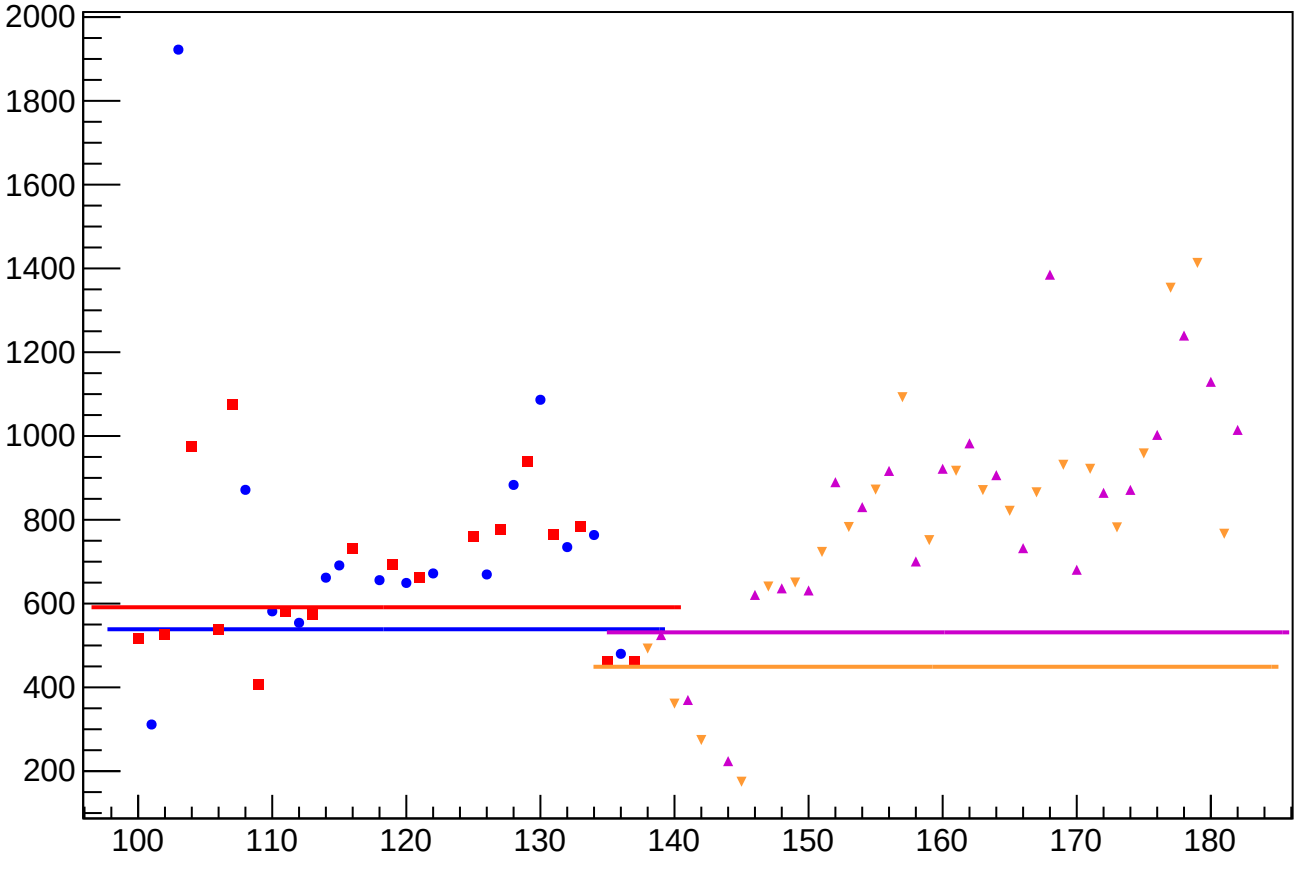
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 128.440+/-120.353 χ^2/NDF:30.7/37

Out: -8.750+/-114.766 χ^2/NDF:40.5/39

All: 56.587+/-83.057 χ^2/NDF: 71.9/77

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: 449.167+/-0.093 χ^2/NDF:10684512.4/21

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 531.322+/-0.102 χ^2/NDF:8318063.8/21

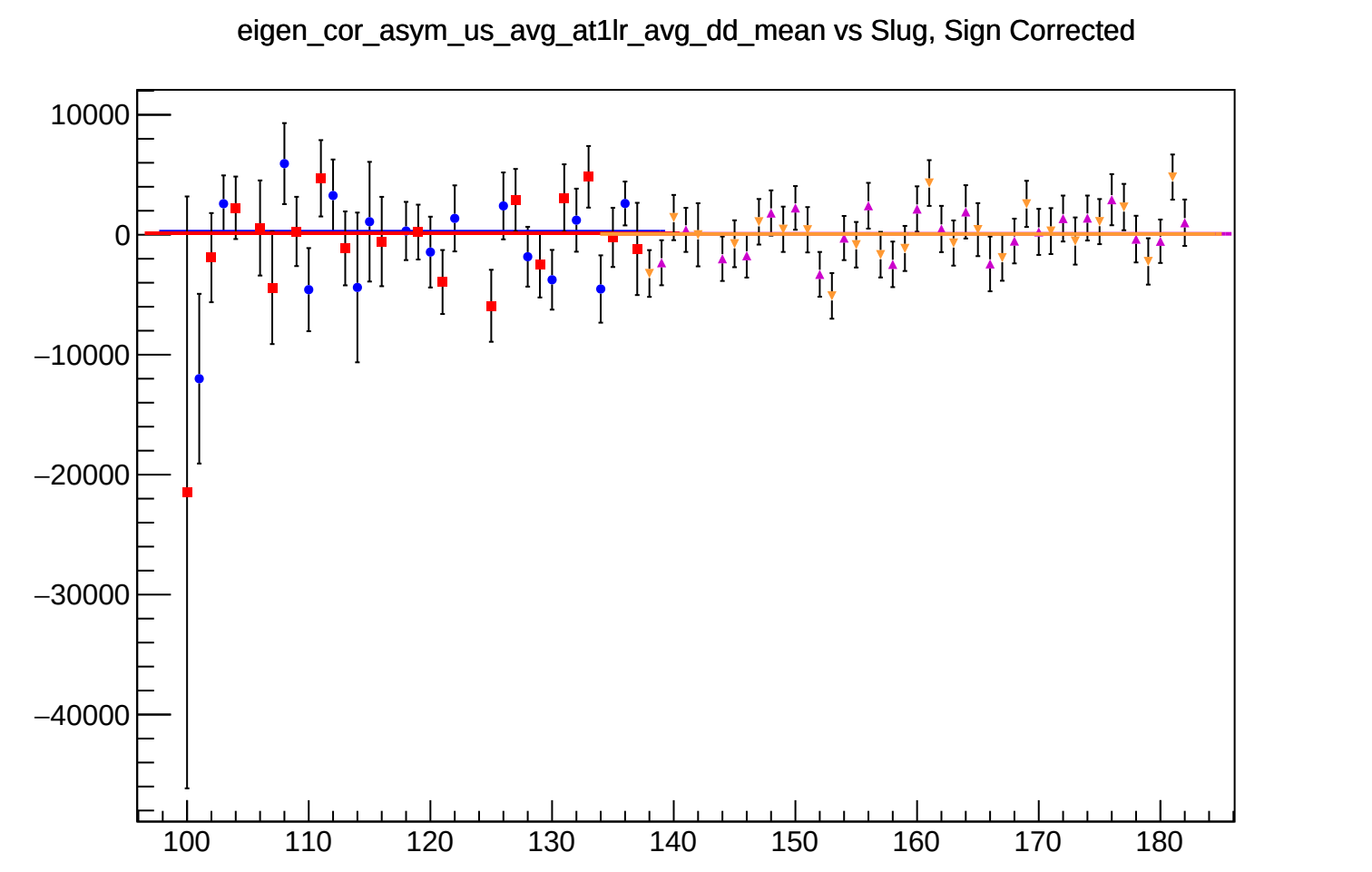
Left: 486.427+/-0.068 χ^2/NDF: 19359479.4/43

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 533.531+/-0.085 χ^2/NDF:10178533.8/37

Out: 482.149+/-0.081 χ^2/NDF:12075392.4/39

All: 506.620+/-0.059 χ^2/NDF: 22444852.0/77



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: 63.894+/-414.018 χ^2/NDF:30.1/21

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 77.560+/-408.076 χ^2/NDF:19.2/21

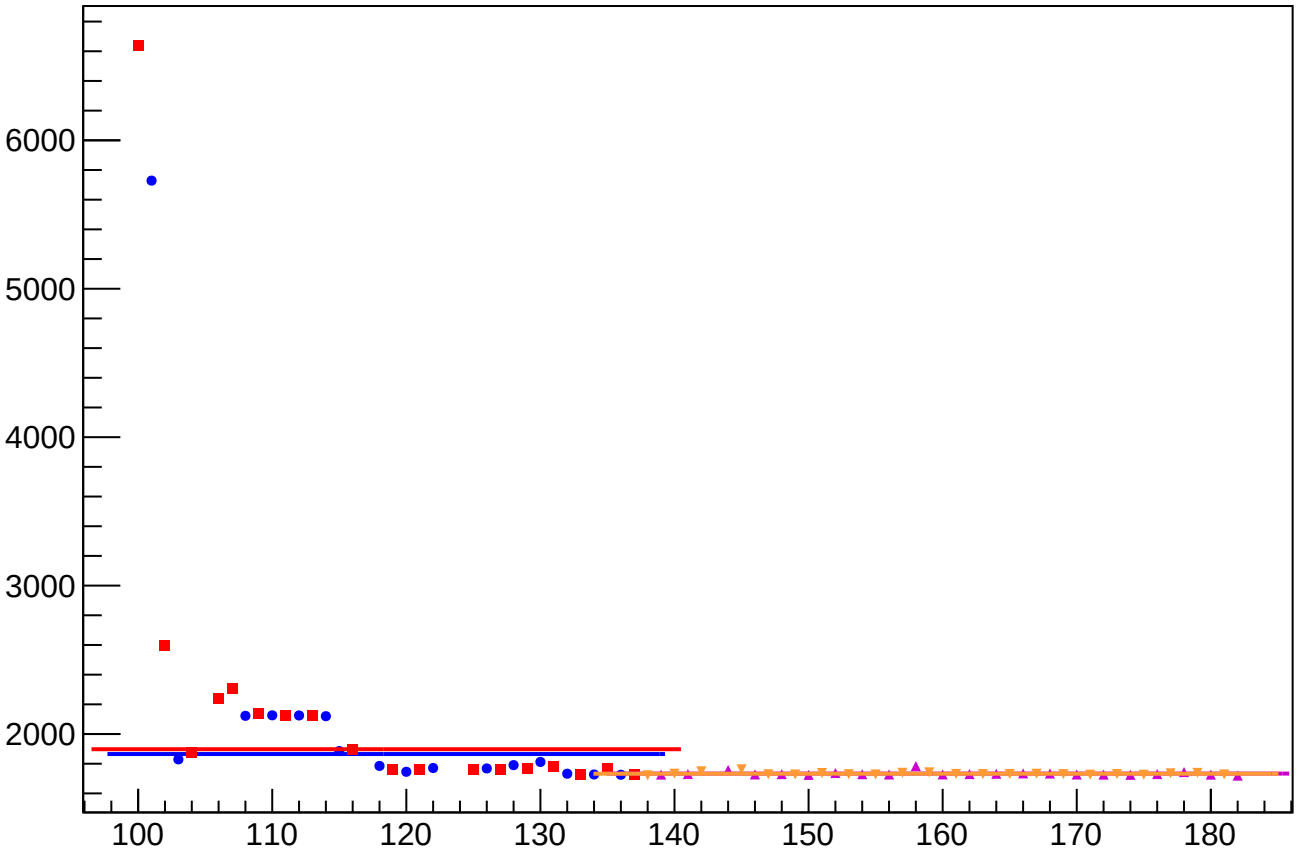
Left: 70.826+/-290.631 χ^2/NDF: 49.3/43

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 122.814+/-353.764 χ^2/NDF:38.6/37

Out: 80.550+/-358.126 χ^2/NDF:48.1/39

All: 101.941+/-251.677 χ^2/NDF: 86.8/77



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.783+/-0.293 χ^2/NDF:807.6/21

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.523+/-0.289 χ^2/NDF:2199.1/21

Left: 1733.158+/-0.206 χ^2/NDF: 3010.0/43

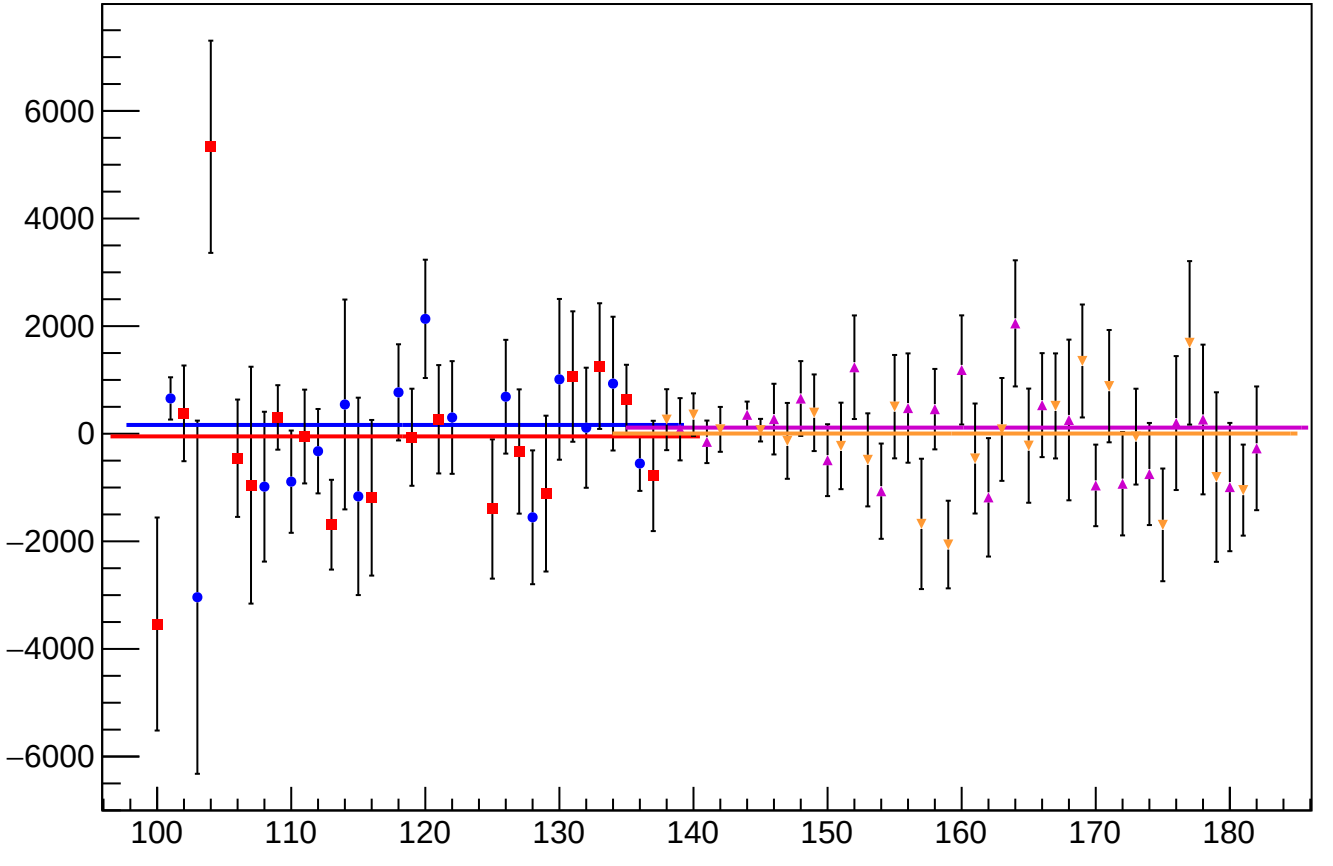
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1766.233+/-0.250 χ^2/NDF:726643.0/37

Out: 1774.305+/-0.253 χ^2/NDF:338440.7/39

All: 1770.220+/-0.178 χ^2/NDF: 1065598.0/77

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 3.605+/-130.971 χ^2/NDF:19.0/21

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 113.620+/-143.767 χ^2/NDF:16.8/21

Left: 53.499+/-96.819 χ^2/NDF: 36.1/43

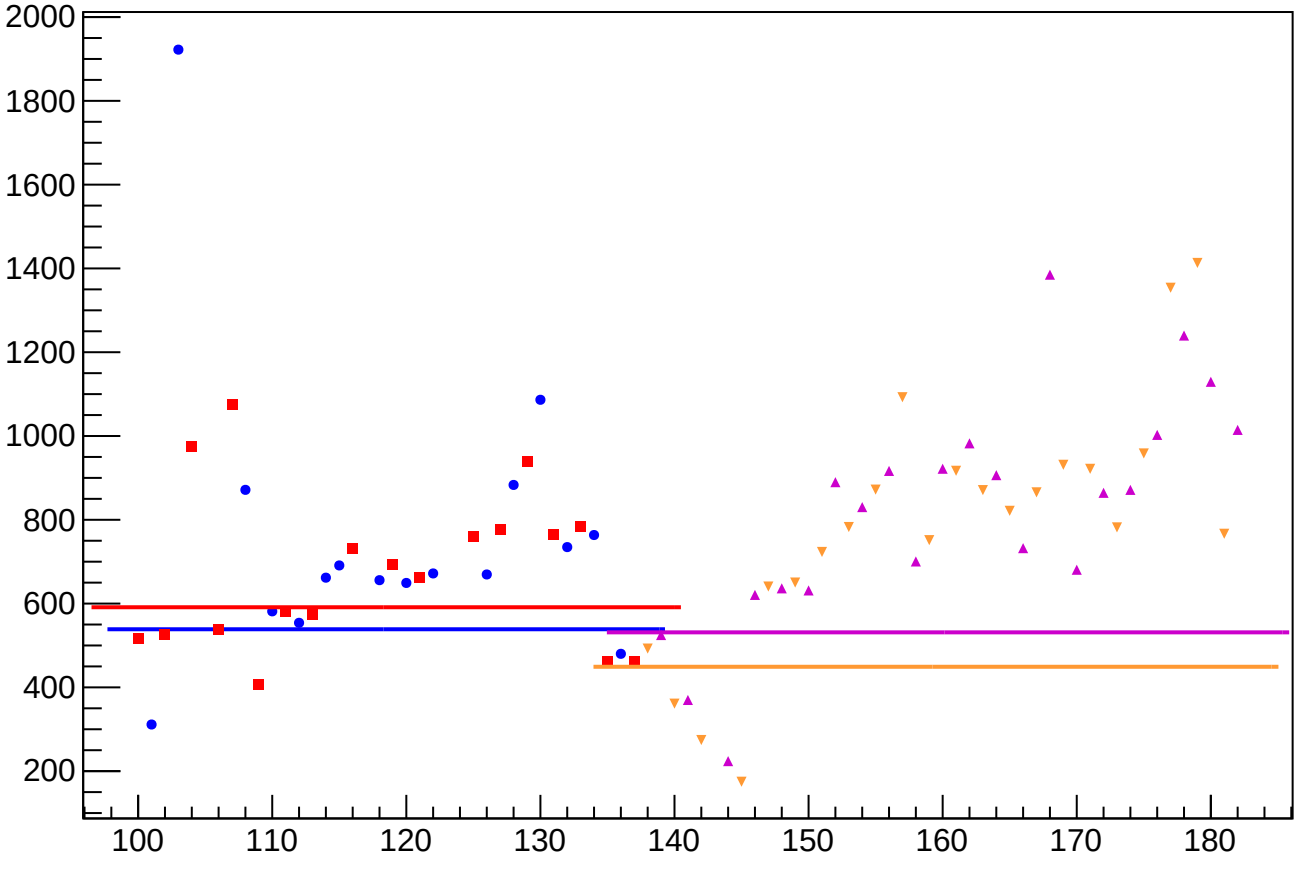
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 128.440+/-120.353 χ^2/NDF:30.7/37

Out: -8.750+/-114.766 χ^2/NDF:40.5/39

All: 56.587+/-83.057 χ^2/NDF: 71.9/77

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: 449.167+/-0.093 χ^2/NDF:10684512.4/21

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 531.322+/-0.102 χ^2/NDF:8318063.8/21

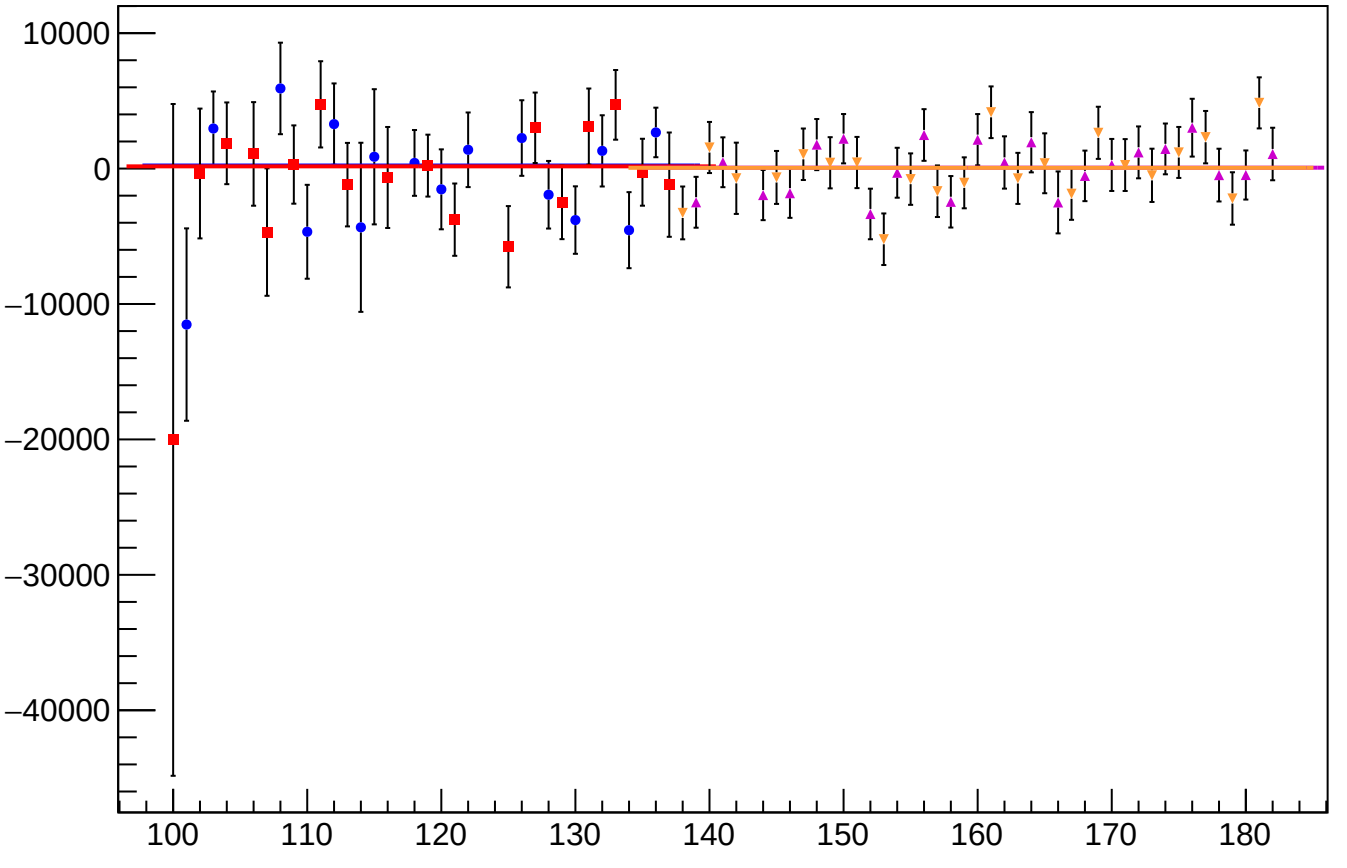
Left: 486.427+/-0.068 χ^2/NDF: 19359479.4/43

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 533.531+/-0.085 χ^2/NDF:10178533.8/37

Out: 482.149+/-0.081 χ^2/NDF:12075392.4/39

All: 506.620+/-0.059 χ^2/NDF: 22444852.0/77



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: 56.169+/-414.347 χ^2/NDF:30.4/21

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: 65.501+/-408.420 χ^2/NDF:19.7/21

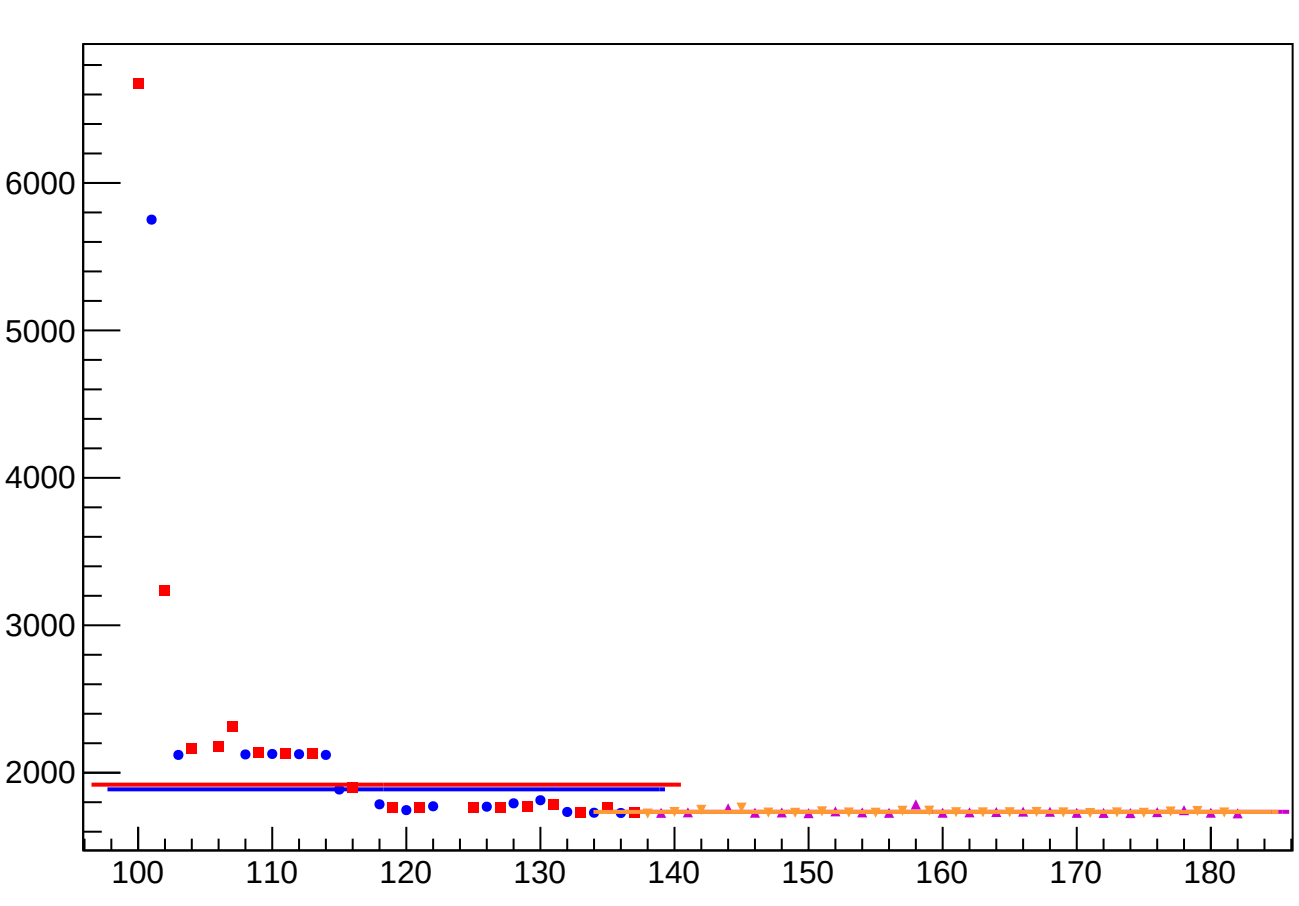
Left: 60.902+/-290.869 χ^2/NDF: 50.1/43

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: 104.747+/-355.071 χ^2/NDF:39.1/37

Out: 82.603+/-359.838 χ^2/NDF:47.5/39

All: 93.823+/-252.742 χ^2/NDF: 86.6/77



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1734.155+/-0.293 χ^2/NDF:806.7/21

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1734.981+/-0.289 χ^2/NDF:2154.3/21

Left: 1734.574+/-0.206 χ^2/NDF: 2965.1/43

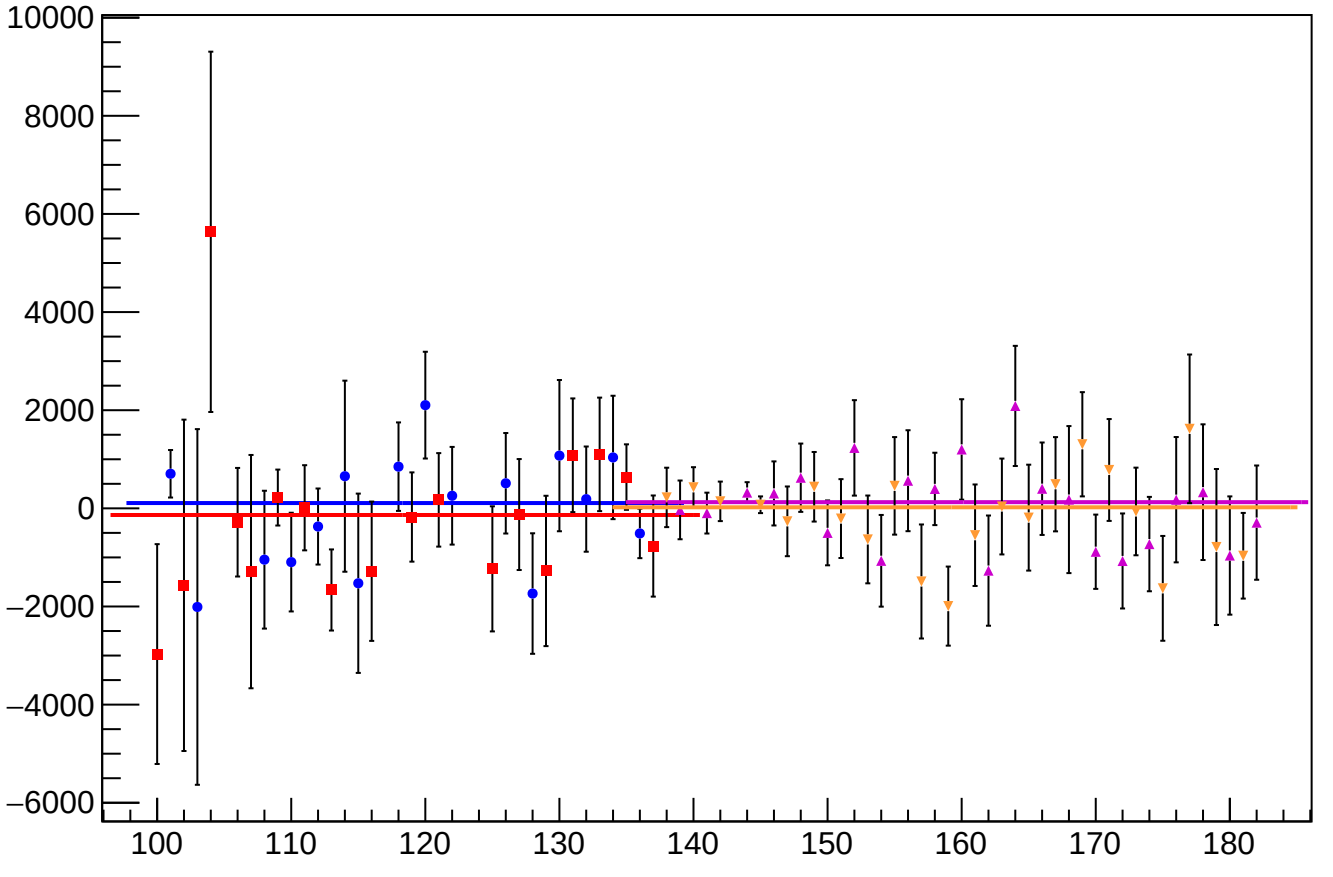
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1772.177+/-0.251 χ^2/NDF:759531.7/37

Out: 1779.631+/-0.254 χ^2/NDF:451383.7/39

All: 1775.854+/-0.179 χ^2/NDF: 1211350.3/77

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: 21.379+/-120.049 χ^2/NDF:18.2/21

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 126.093+/-137.519 χ^2/NDF:16.3/21

Left: 66.666+/-90.437 χ^2/NDF: 34.8/43

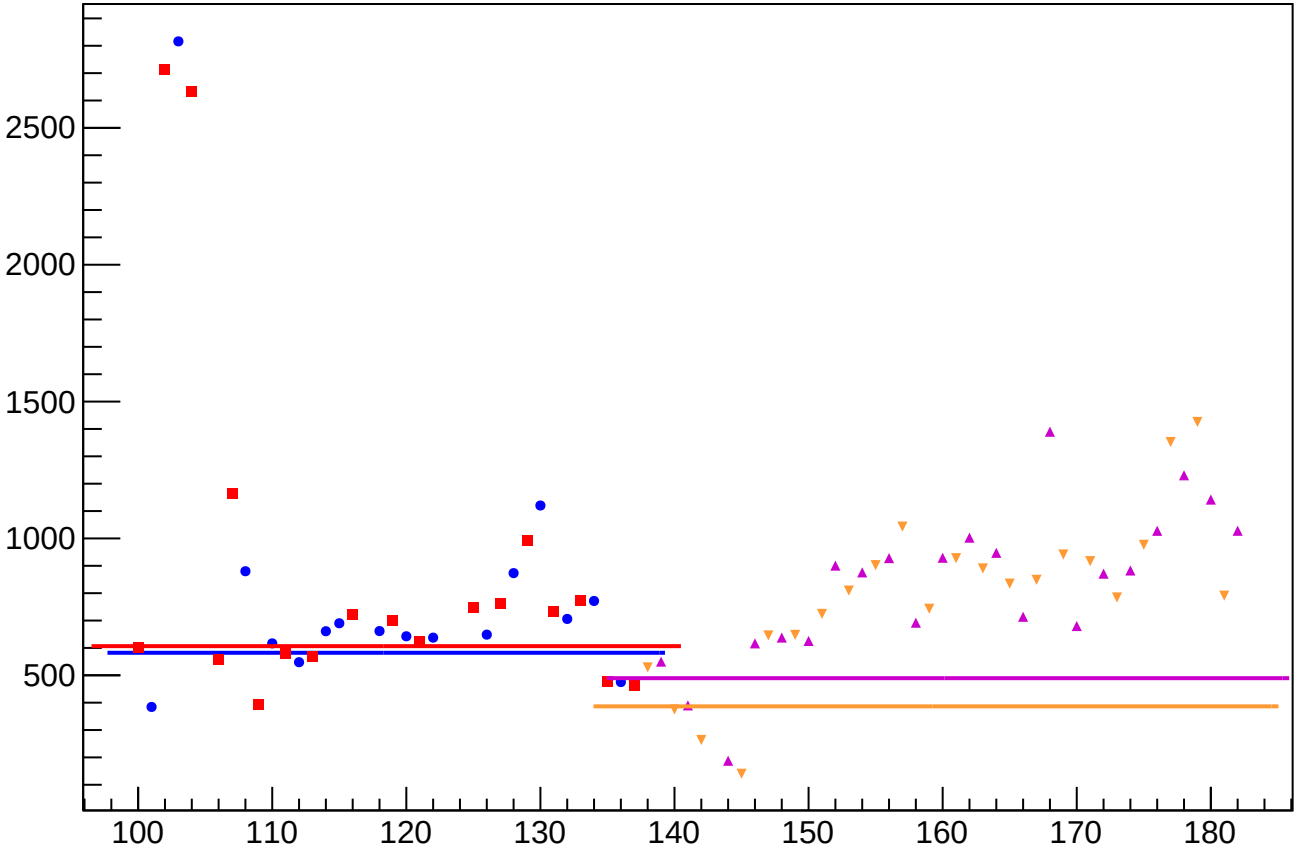
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 121.415+/-118.260 χ^2/NDF:30.4/37

Out: -8.782+/-107.882 χ^2/NDF:32.9/39

All: 50.355+/-79.701 χ^2/NDF: 64.0/77

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: 386.483+/-0.085 χ^2/NDF:13449627.0/21

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 489.448+/-0.097 χ^2/NDF:10259825.8/21

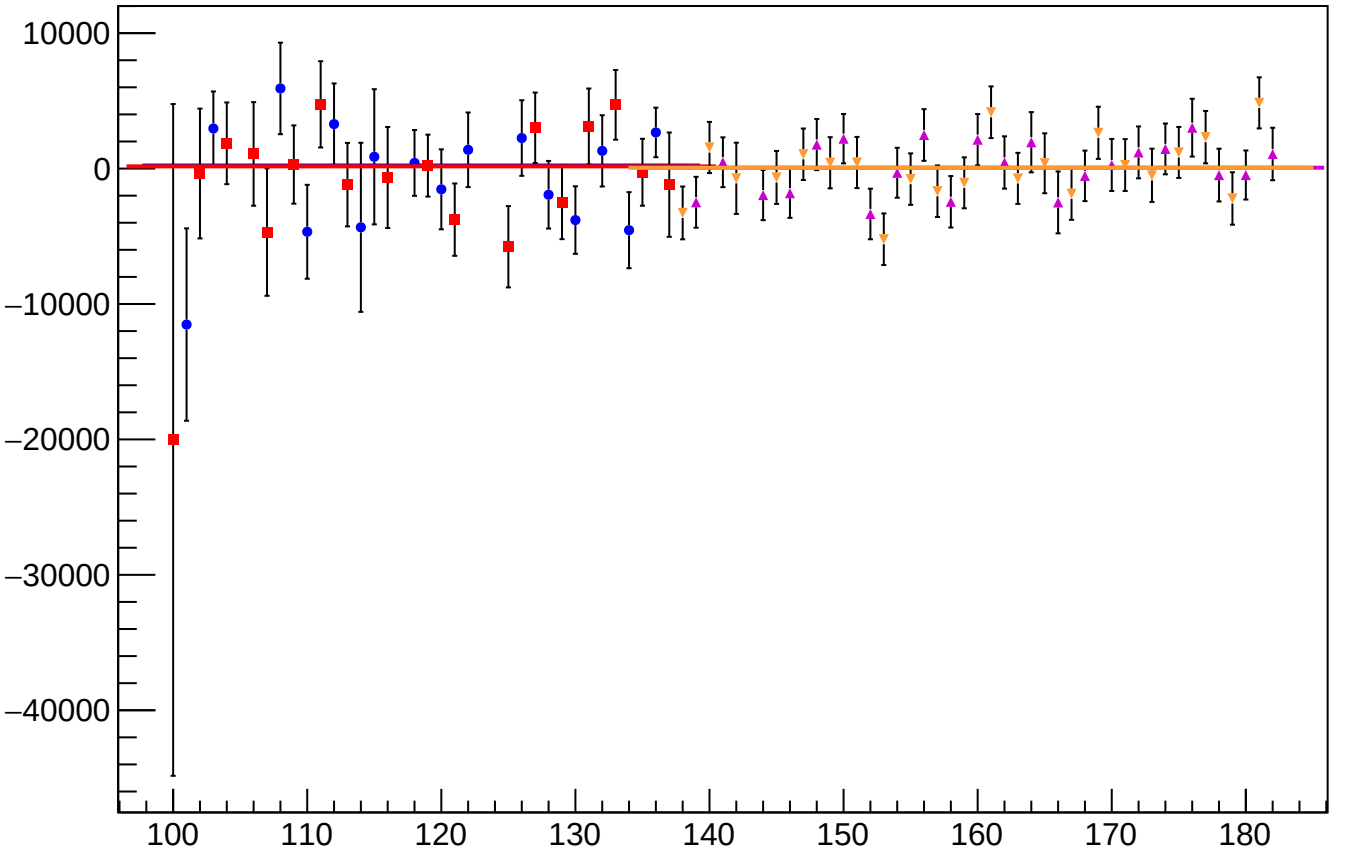
Left: 431.014+/-0.064 χ^2/NDF: 24345753.5/43

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 513.627+/-0.084 χ^2/NDF:12251474.3/37

Out: 428.811+/-0.076 χ^2/NDF:16940120.3/39

All: 467.335+/-0.056 χ^2/NDF: 29753081.8/77



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: 56.166+/-414.347 χ^2/NDF:30.4/21

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: 65.501+/-408.420 χ^2/NDF:19.7/21

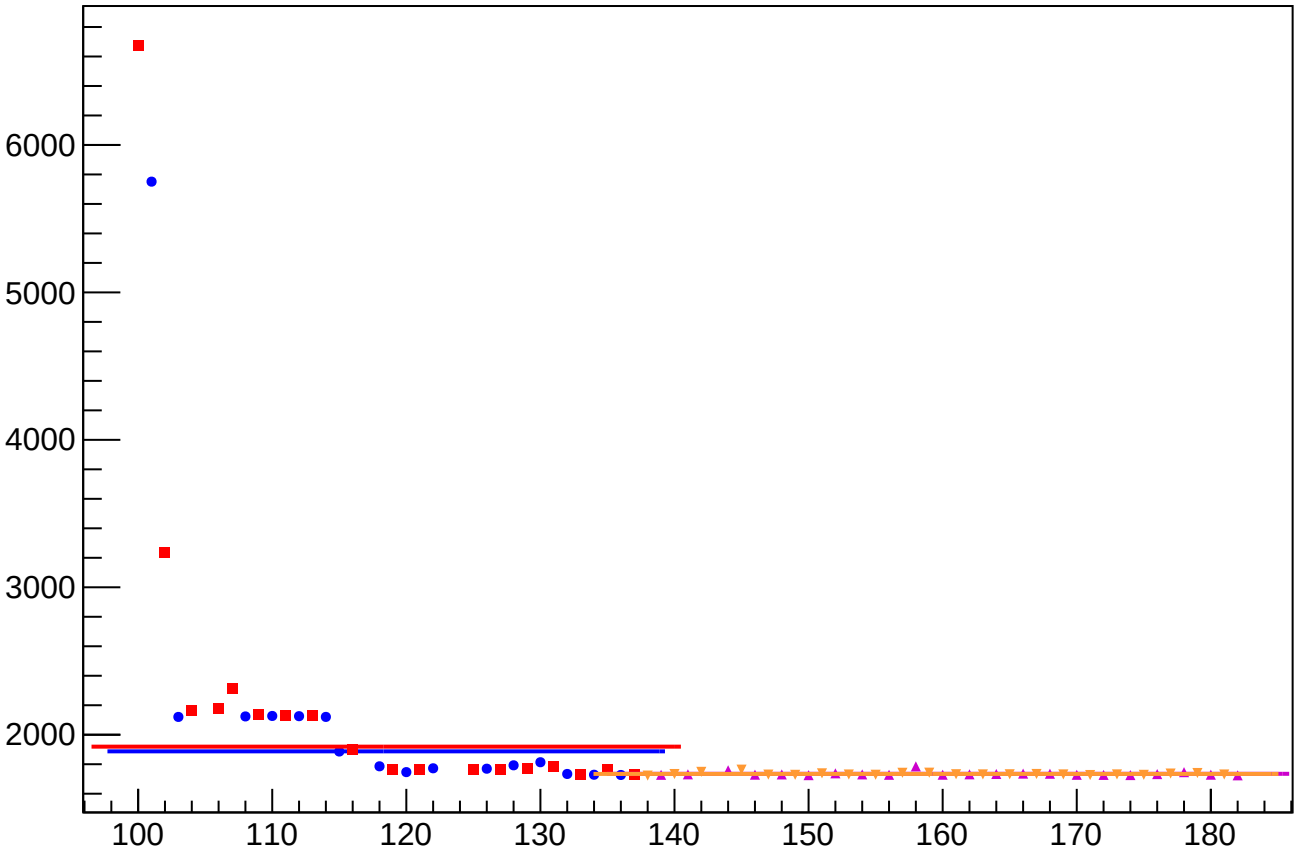
Left: 60.901+/-290.869 χ^2/NDF: 50.1/43

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: 104.748+/-355.071 χ^2/NDF:39.1/37

Out: 82.601+/-359.838 χ^2/NDF:47.5/39

All: 93.822+/-252.742 χ^2/NDF: 86.6/77



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1734.155+/-0.293 χ^2/NDF:806.7/21

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1734.981+/-0.289 χ^2/NDF:2154.3/21

Left: 1734.574+/-0.206 χ^2/NDF: 2965.1/43

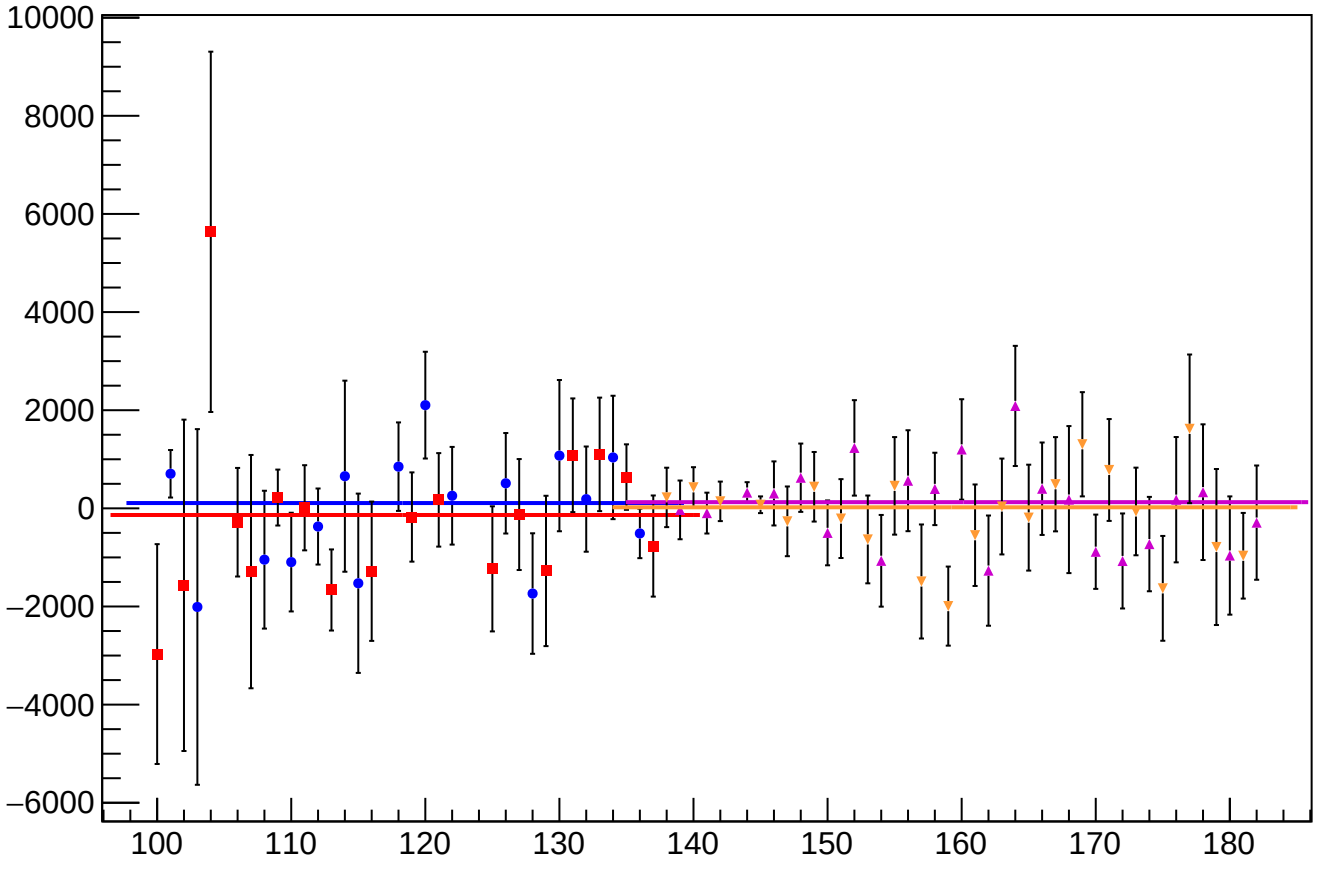
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1772.177+/-0.251 χ^2/NDF:759531.3/37

Out: 1779.631+/-0.254 χ^2/NDF:451382.9/39

All: 1775.854+/-0.179 χ^2/NDF: 1211349.0/77

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: 21.377+/-120.049 χ^2/NDF:18.2/21

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 126.094+/-137.519 χ^2/NDF:16.3/21

Left: 66.665+/-90.438 χ^2/NDF: 34.8/43

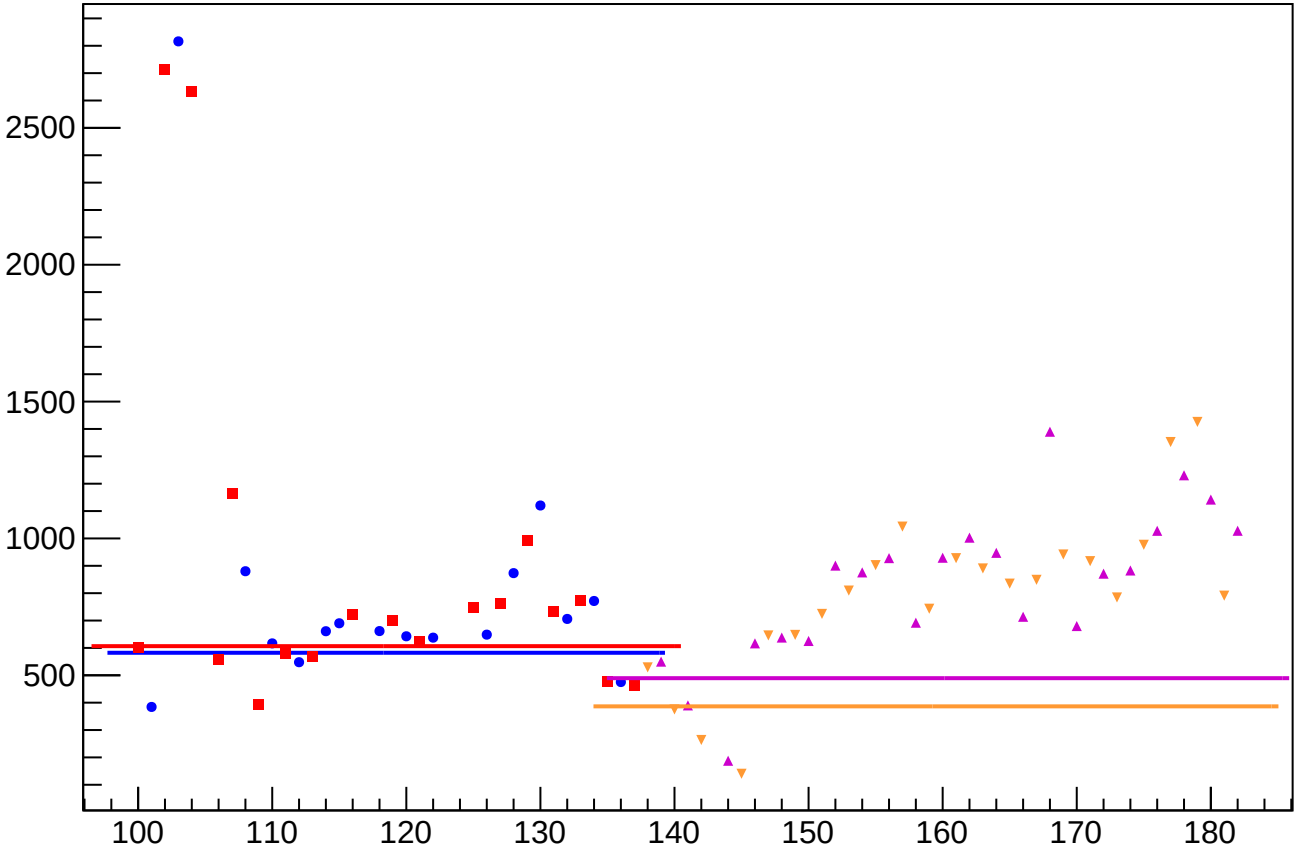
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 121.414+/-118.260 χ^2/NDF:30.4/37

Out: -8.783+/-107.882 χ^2/NDF:32.9/39

All: 50.353+/-79.701 χ^2/NDF: 64.0/77

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: 386.483+/-0.085 χ^2/NDF:13449669.4/21

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 489.449+/-0.097 χ^2/NDF:10259849.7/21

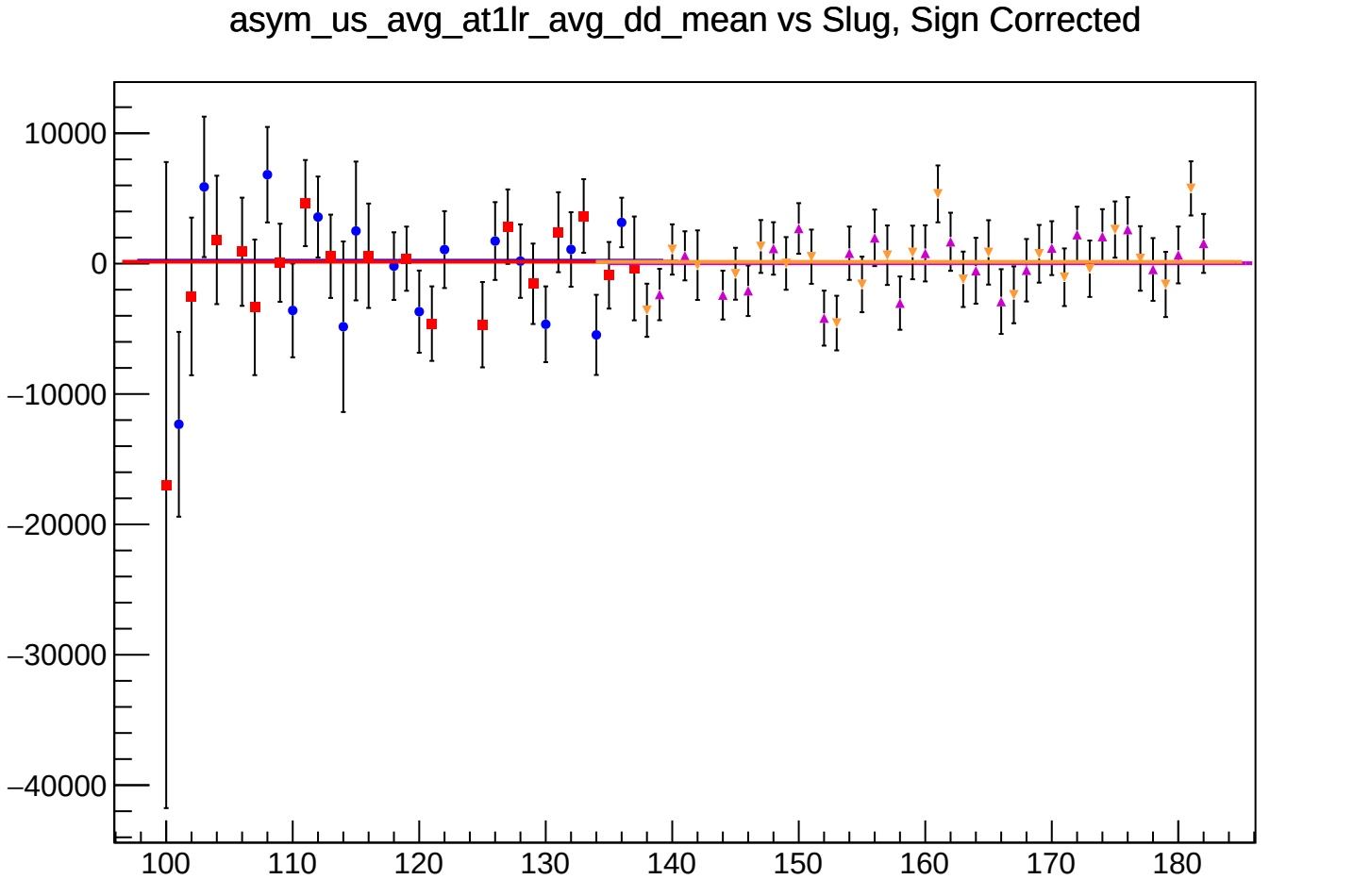
Left: 431.014+/-0.064 χ^2/NDF: 24345826.1/43

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 513.627+/-0.084 χ^2/NDF:12251474.6/37

Out: 428.811+/-0.076 χ^2/NDF:16940144.7/39

All: 467.335+/-0.056 χ^2/NDF: 29753113.0/77



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: 141.003+/-461.425 χ^2/NDF:27.1/21

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: 30.975+/-454.247 χ^2/NDF:20.0/21

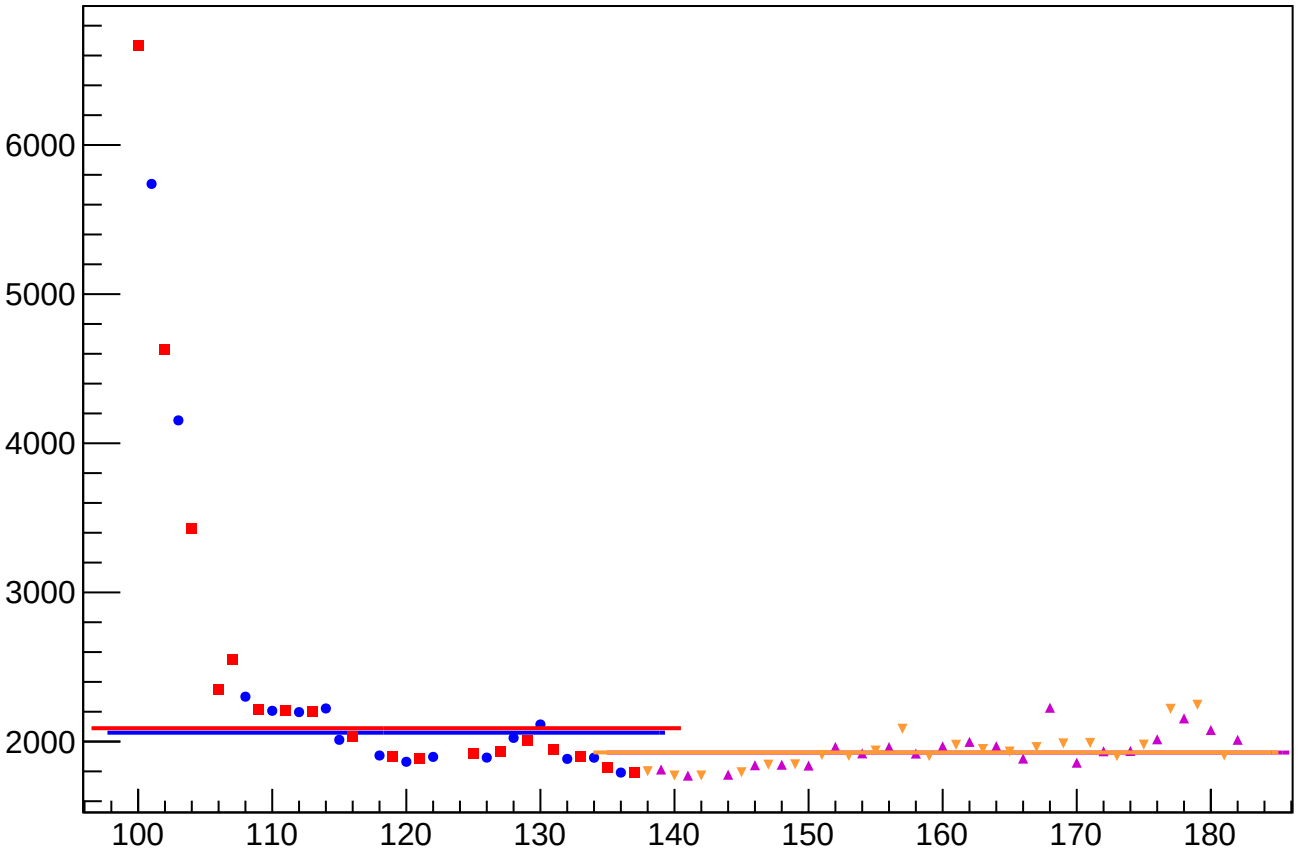
Left: 85.126+/-323.709 χ^2/NDF: 47.1/43

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: 78.912+/-393.997 χ^2/NDF:41.2/37

Out: 142.762+/-398.973 χ^2/NDF:38.7/39

All: 110.437+/-280.341 χ^2/NDF: 79.9/77



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1927.169+/-0.326 χ^2/NDF:120254.2/21

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1926.194+/-0.321 χ^2/NDF:115887.3/21

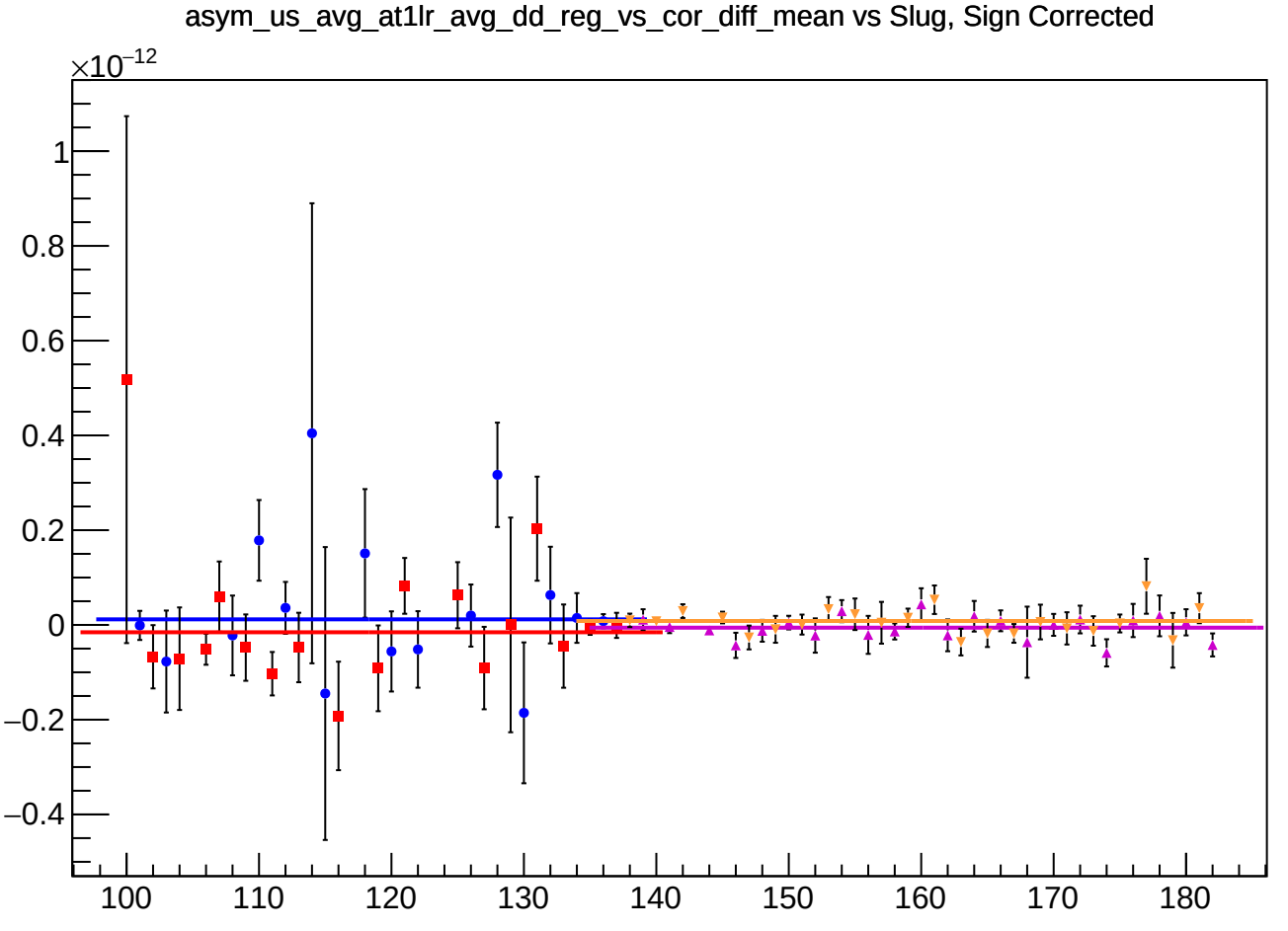
Left: 1926.674+/-0.229 χ^2/NDF: 236146.1/43

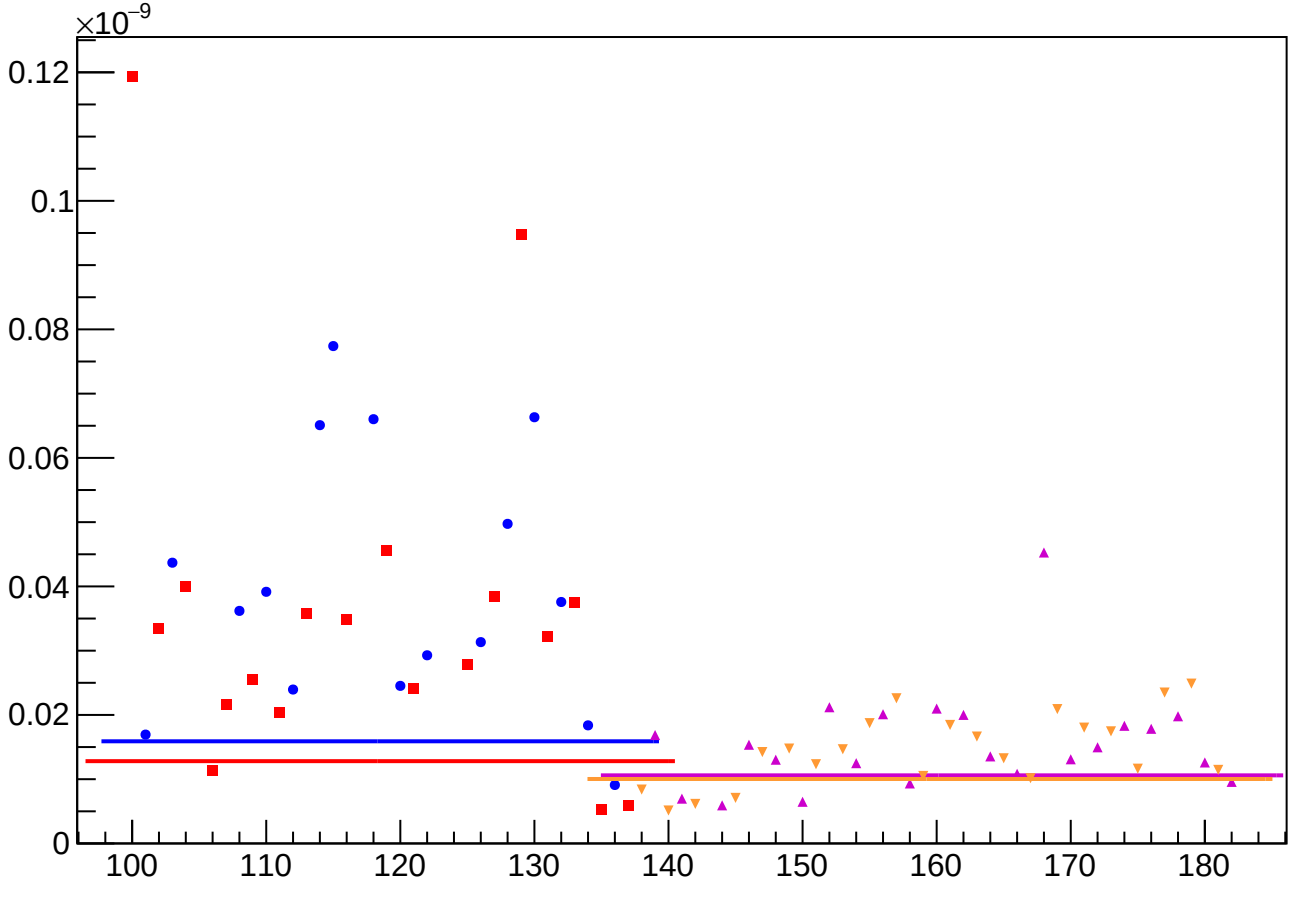
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1959.210+/-0.279 χ^2/NDF:1098420.0/37

Out: 1968.132+/-0.282 χ^2/NDF:864172.9/39

All: 1963.615+/-0.198 χ^2/NDF: 1963099.2/77


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:17.0/21
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:16.7/21
Left: 0.000+/-0.000 χ²/NDF: 38.7/43
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:36.7/37
Out: 0.000+/-0.000 χ²/NDF:42.0/39
All: 0.000+/-0.000 χ²/NDF: 80.7/77



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2254459.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2576919.5/21

Left: 0.000+/-0.000 χ^2/NDF: 4847175.5/43

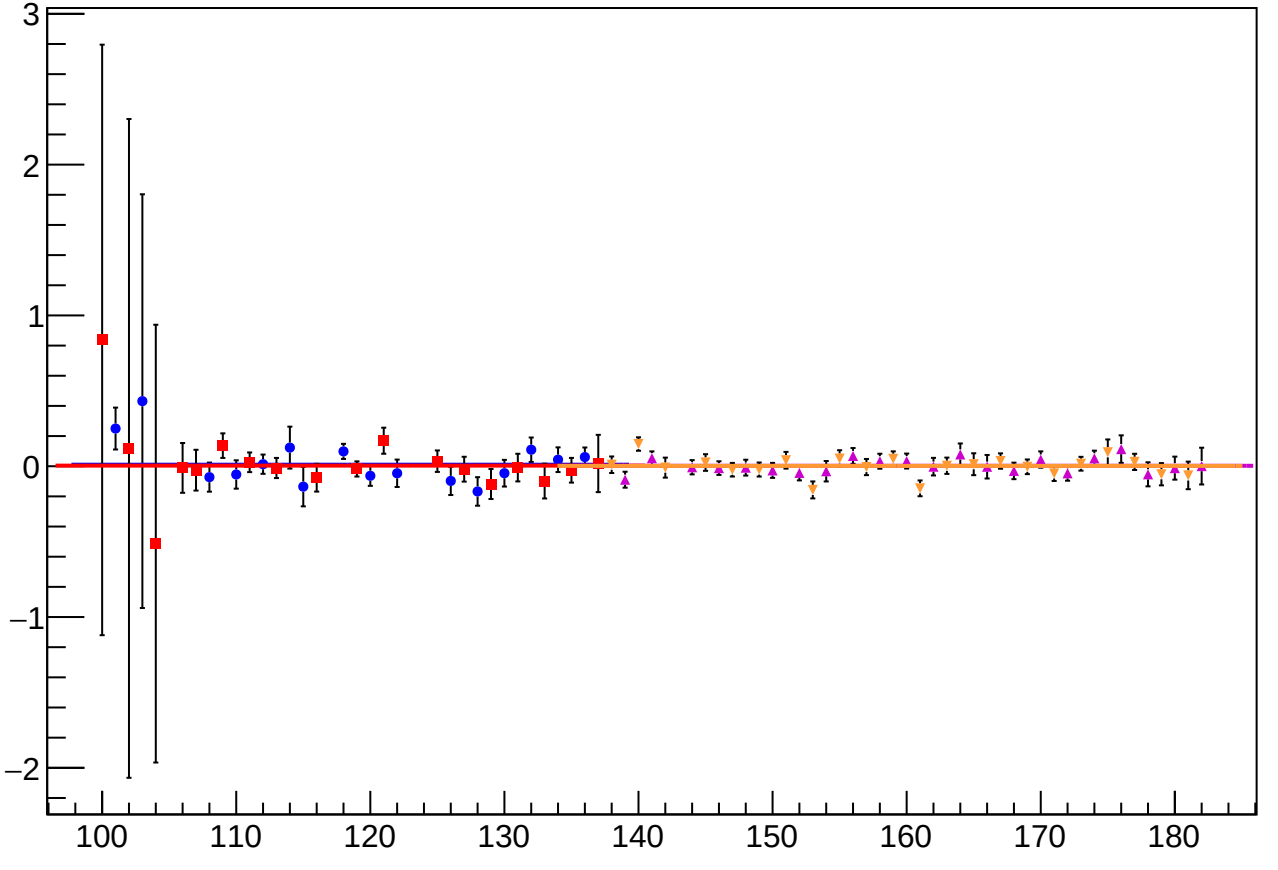
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:4875238.7/37

Out: 0.000+/-0.000 χ^2/NDF:4855810.2/39

All: 0.000+/-0.000 χ^2/NDF: 9774777.6/77

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: 0.002+/-0.012 χ^2/NDF:33.5/21

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:14.4/21

Left: 0.003+/-0.008 χ^2/NDF: 48.0/43

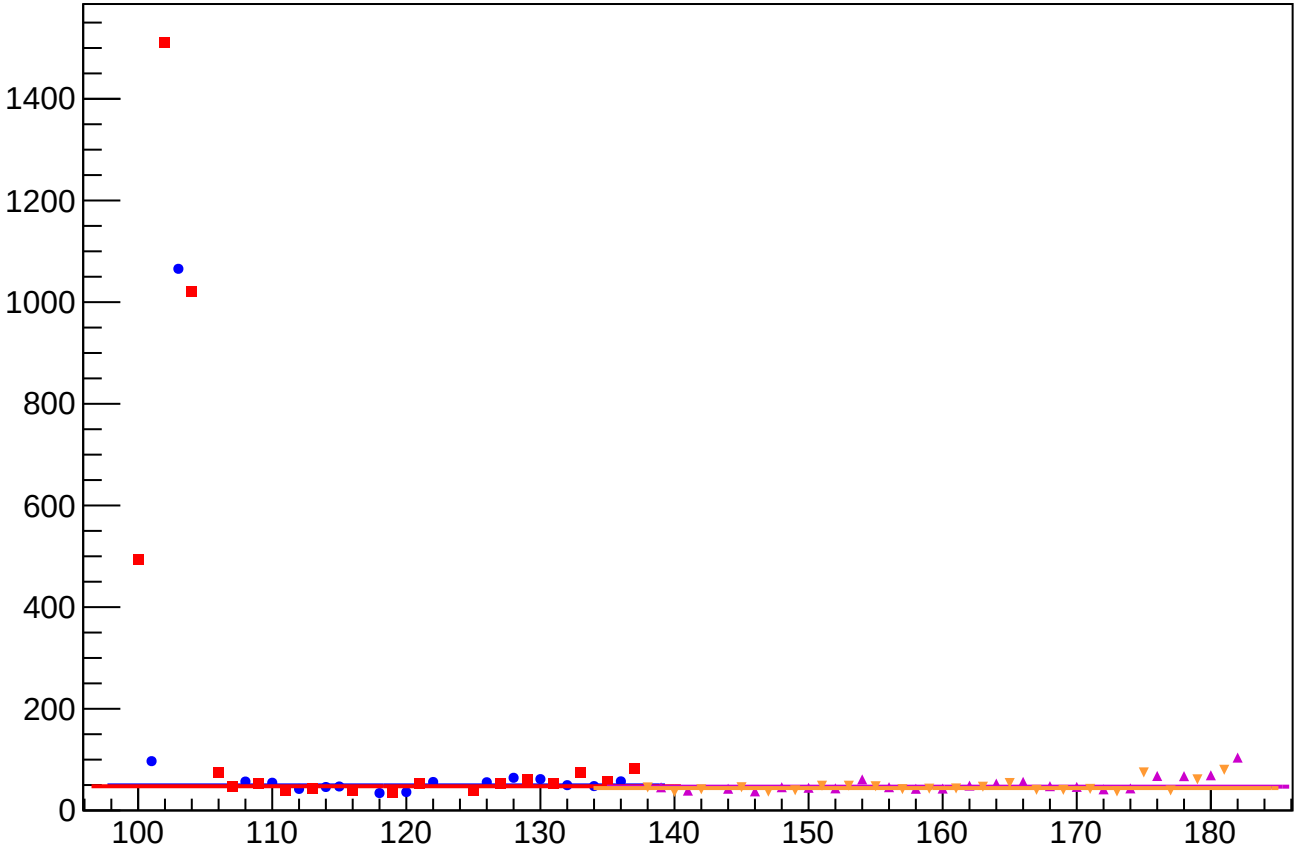
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/37

Out: 0.003+/-0.010 χ^2/NDF:44.0/39

All: 0.004+/-0.007 χ^2/NDF: 77.0/77

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: 44.012+/-0.008 χ^2/NDF:970428.3/21

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 46.817+/-0.008 χ^2/NDF:1218204.2/21

Left: 45.371+/-0.006 χ^2/NDF: 2245281.6/43

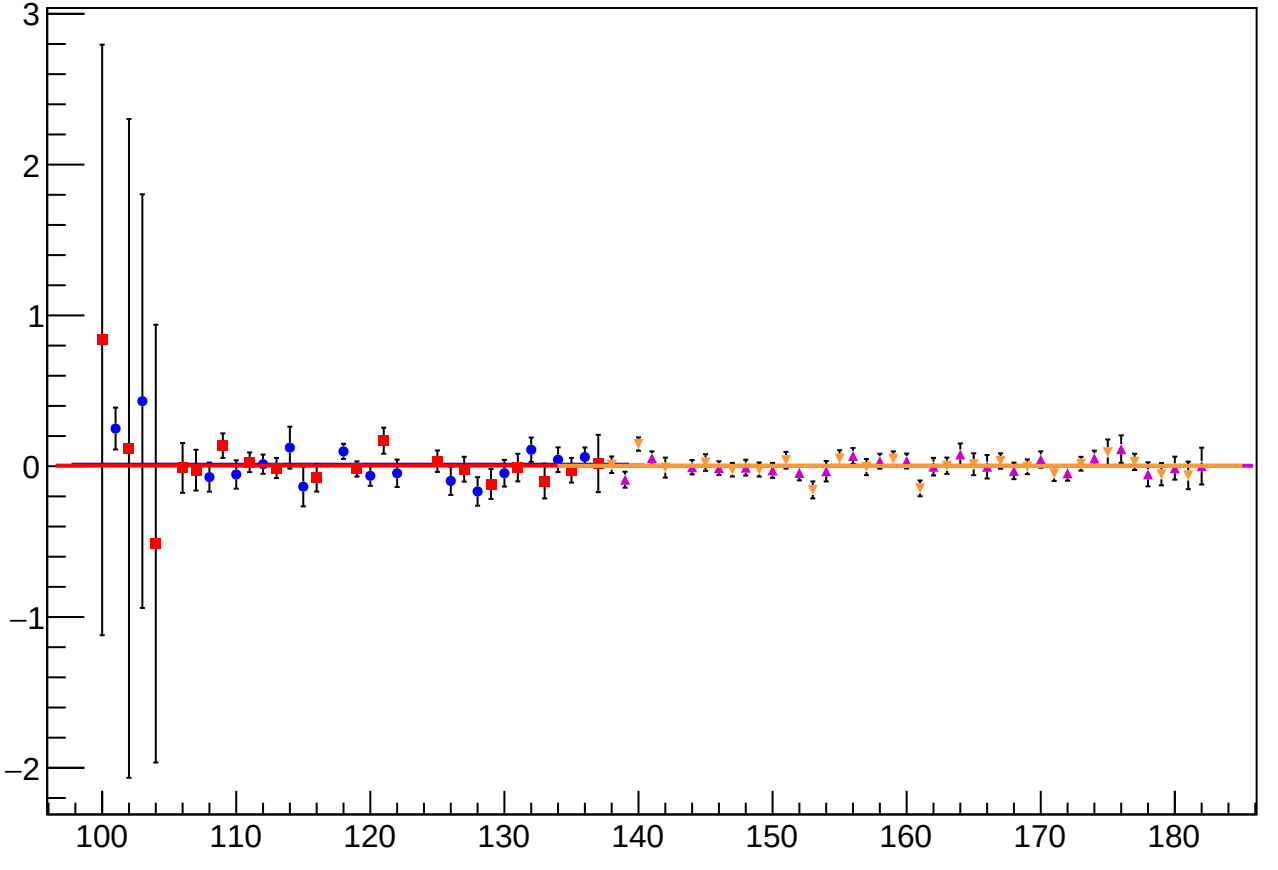
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 47.435+/-0.007 χ^2/NDF:3016940.5/37

Out: 44.822+/-0.007 χ^2/NDF:3431790.9/39

All: 46.105+/-0.005 χ^2/NDF: 6513134.6/77

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: 0.002+/-0.012 χ^2/NDF:33.5/21

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:14.4/21

Left: 0.003+/-0.008 χ^2/NDF: 48.0/43

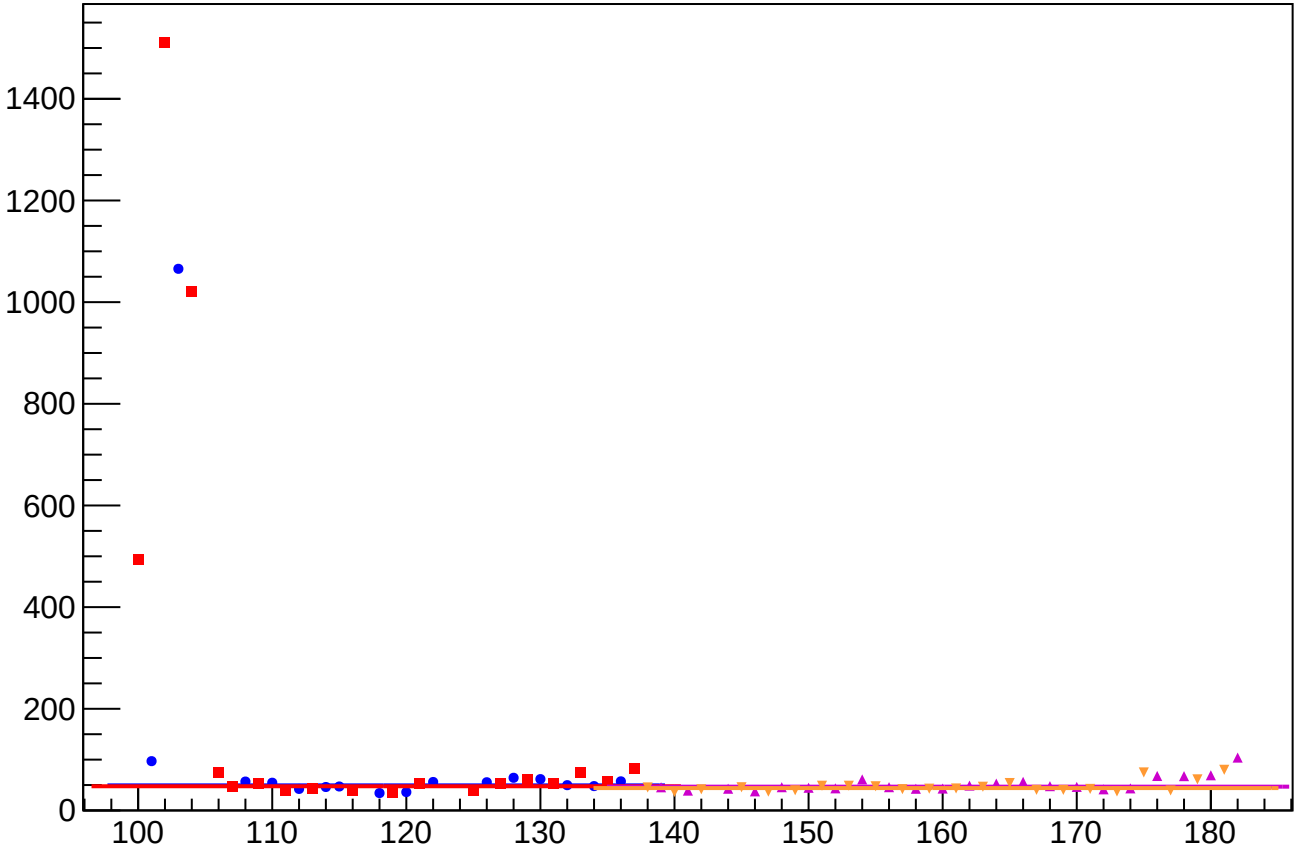
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/37

Out: 0.003+/-0.010 χ^2/NDF:44.0/39

All: 0.004+/-0.007 χ^2/NDF: 77.0/77

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: 44.012+/-0.008 χ^2/NDF:970428.3/21

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 46.817+/-0.008 χ^2/NDF:1218204.2/21

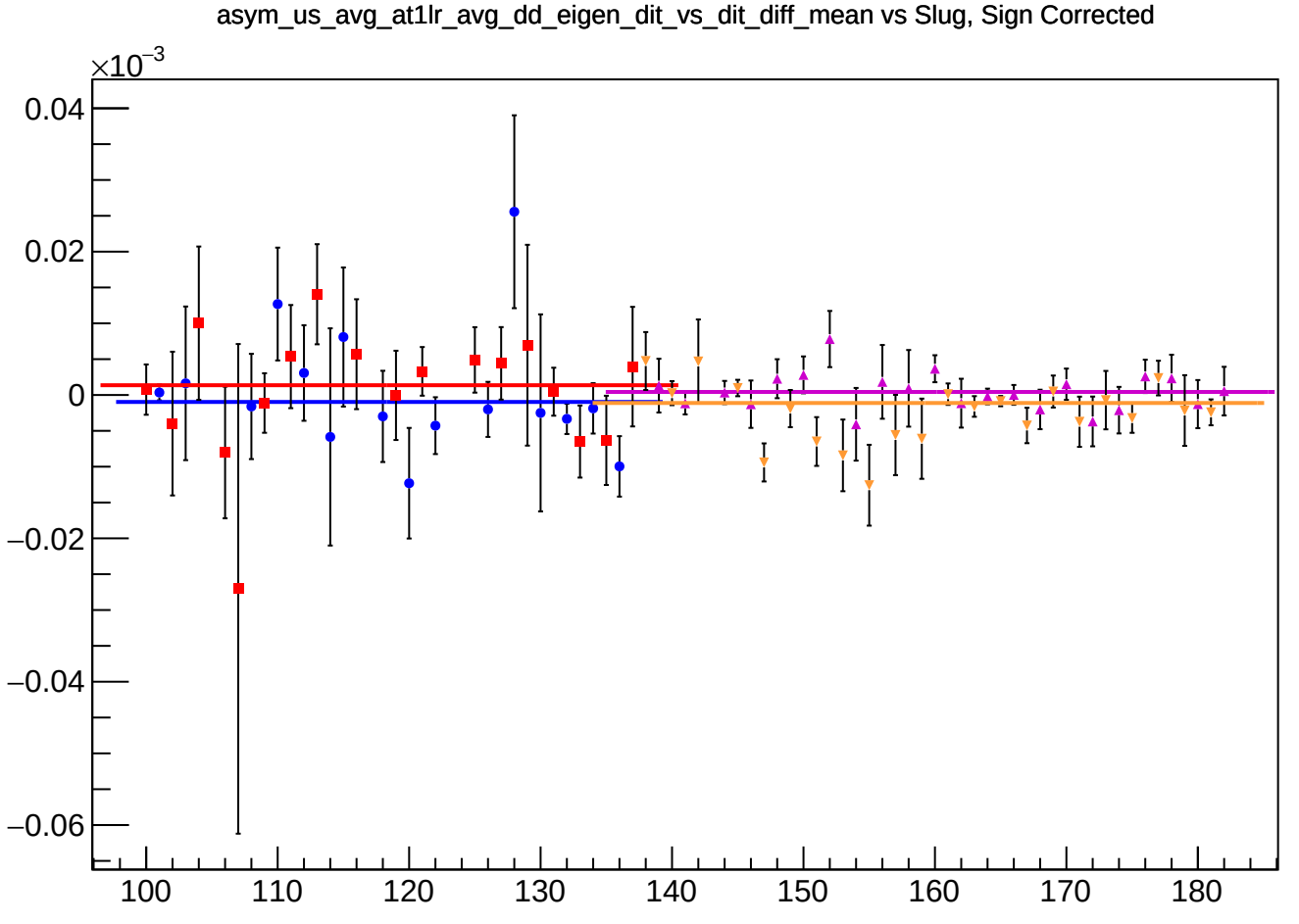
Left: 45.371+/-0.006 χ^2/NDF: 2245281.6/43

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 47.435+/-0.007 χ^2/NDF:3016940.5/37

Out: 44.822+/-0.007 χ^2/NDF:3431790.9/39

All: 46.105+/-0.005 χ^2/NDF: 6513134.6/77



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:15.2/21

Left: -0.000+/-0.000 χ^2/NDF: 55.4/43

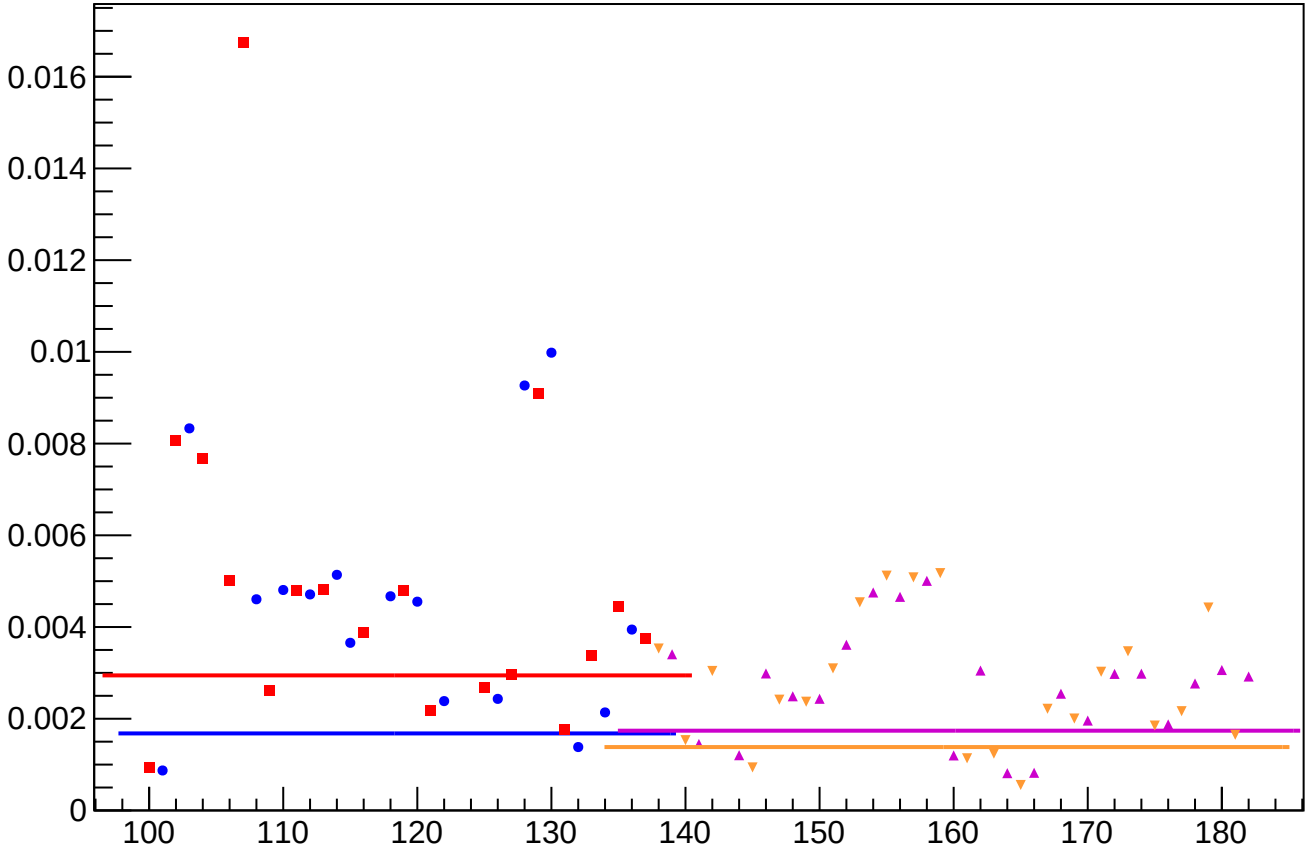
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:36.0/37

Out: -0.000+/-0.000 χ^2/NDF:50.4/39

All: -0.000+/-0.000 χ^2/NDF: 89.0/77

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:10822734.3/21

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:8094119.7/21

Left: 0.002+/-0.000 χ^2/NDF: 19534584.6/43

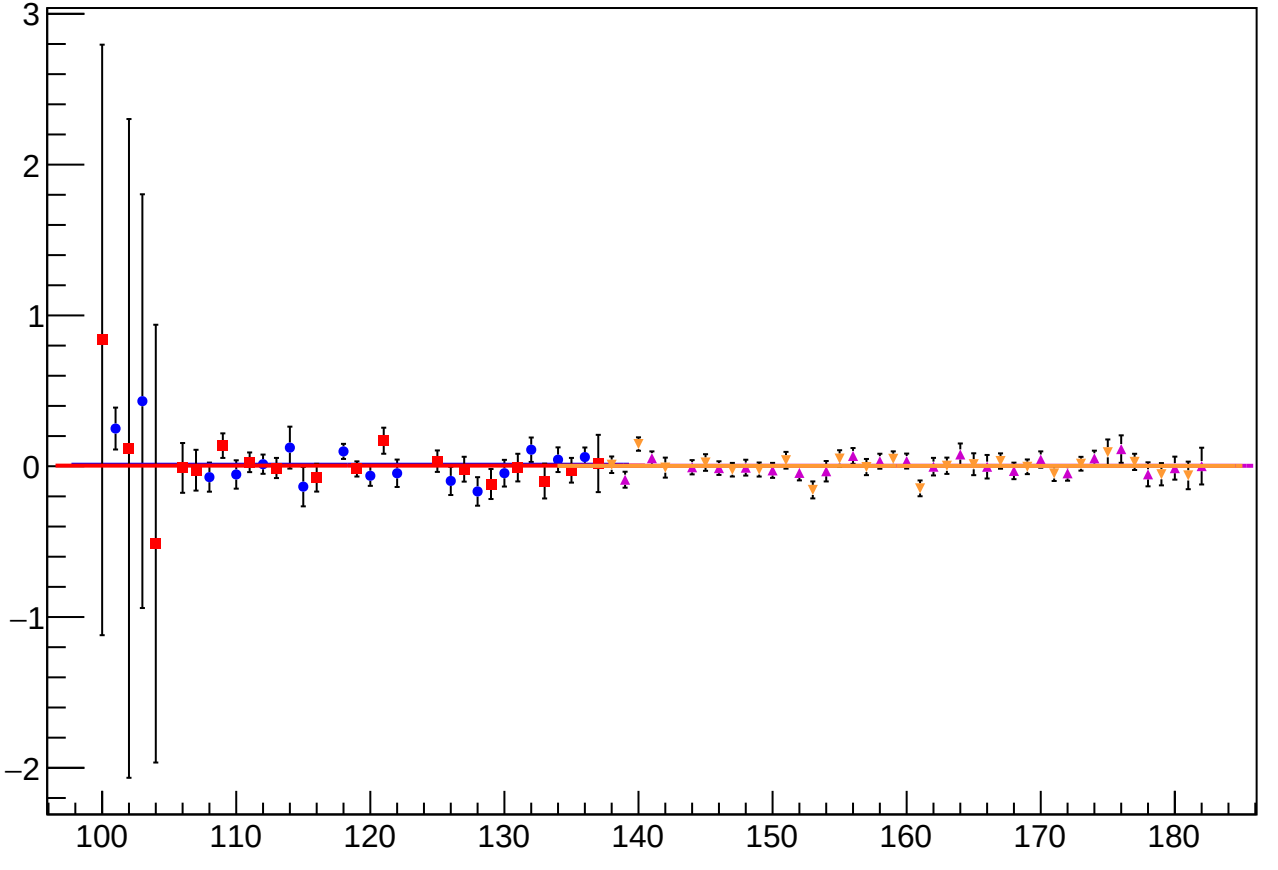
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:14061988.7/37

Out: 0.002+/-0.000 χ^2/NDF:16867347.0/39

All: 0.002+/-0.000 χ^2/NDF: 31159887.2/77

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: 0.002+/-0.012 χ^2/NDF:33.5/21

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:14.4/21

Left: 0.003+/-0.008 χ^2/NDF: 48.0/43

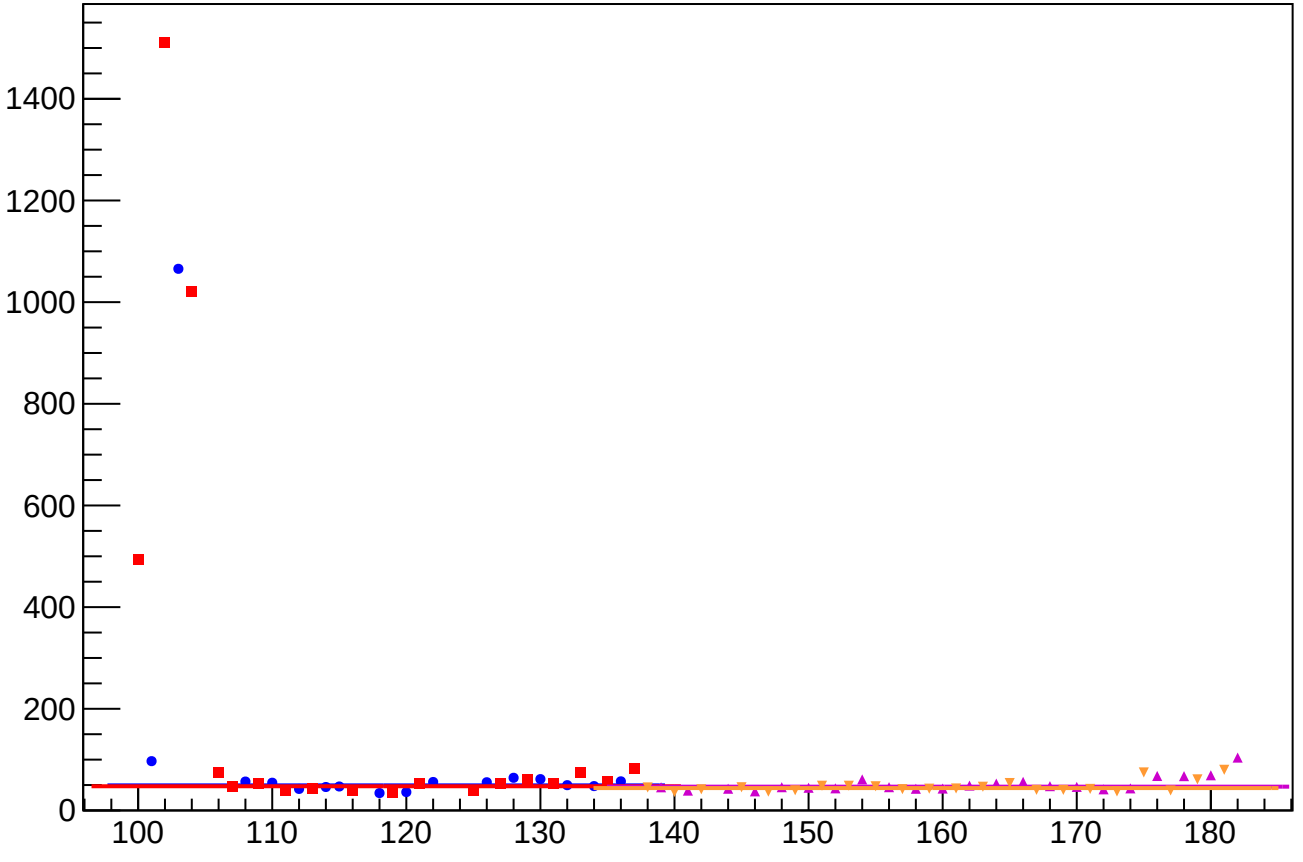
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/37

Out: 0.003+/-0.010 χ^2/NDF:44.0/39

All: 0.004+/-0.007 χ^2/NDF: 77.0/77

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: 44.013+/-0.008 χ^2/NDF:970448.1/21

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 46.817+/-0.008 χ^2/NDF:1218271.5/21

Left: 45.371+/-0.006 χ^2/NDF: 2245352.0/43

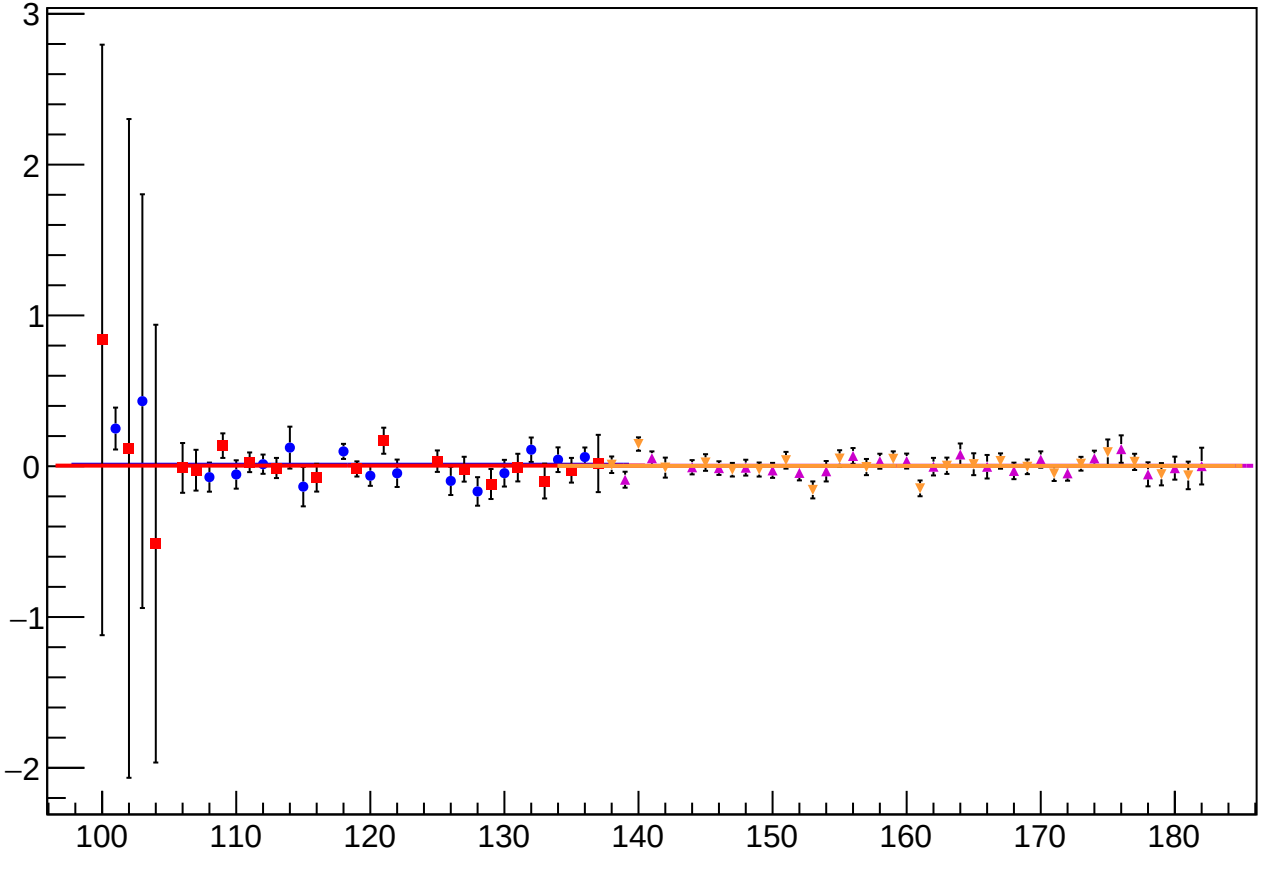
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 47.435+/-0.007 χ^2/NDF:3016946.9/37

Out: 44.822+/-0.007 χ^2/NDF:3431821.8/39

All: 46.105+/-0.005 χ^2/NDF: 6513169.6/77

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: 0.002+/-0.012 χ^2/NDF:33.5/21

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:14.4/21

Left: 0.003+/-0.008 χ^2/NDF: 48.0/43

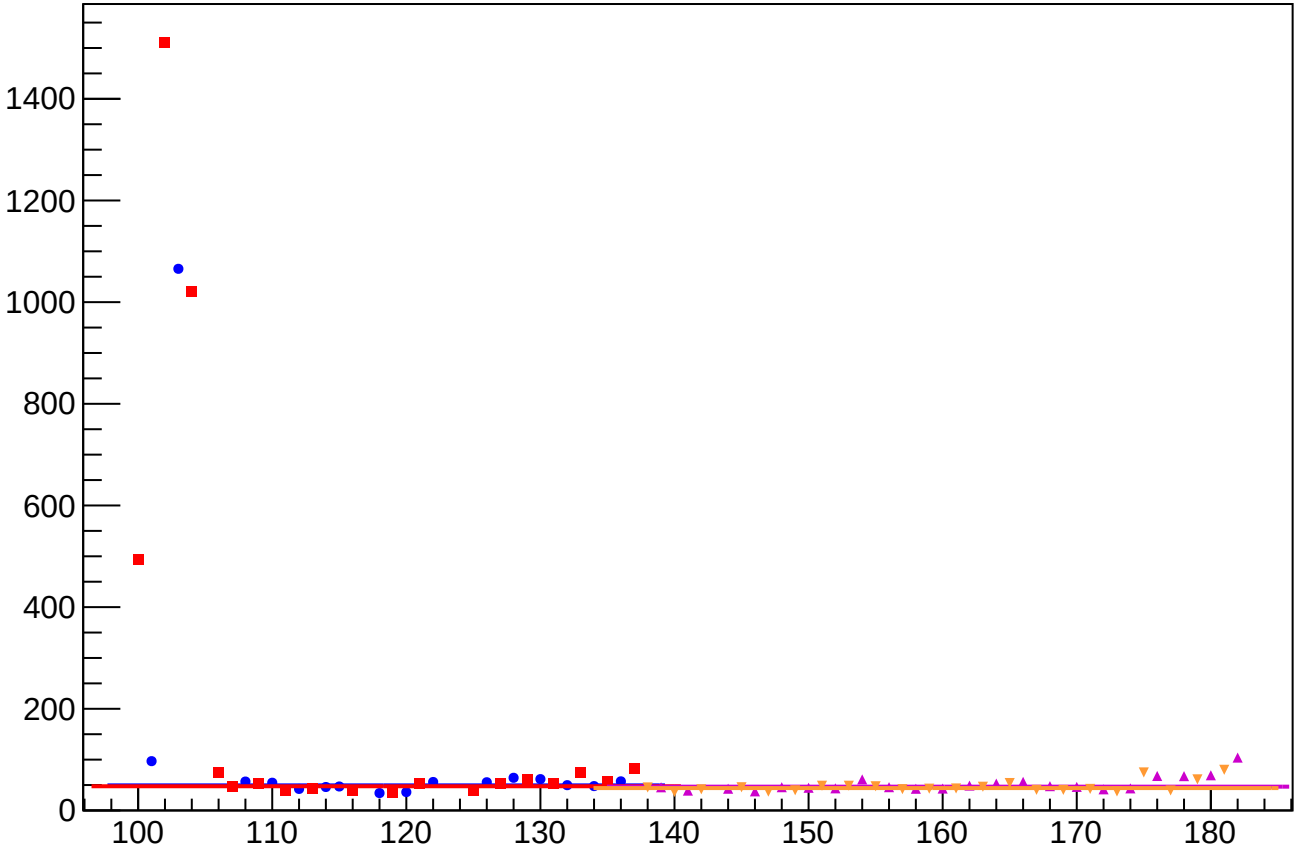
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/37

Out: 0.003+/-0.010 χ^2/NDF:44.0/39

All: 0.004+/-0.007 χ^2/NDF: 77.0/77

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: 44.013+/-0.008 χ^2/NDF:970448.1/21

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 46.817+/-0.008 χ^2/NDF:1218271.5/21

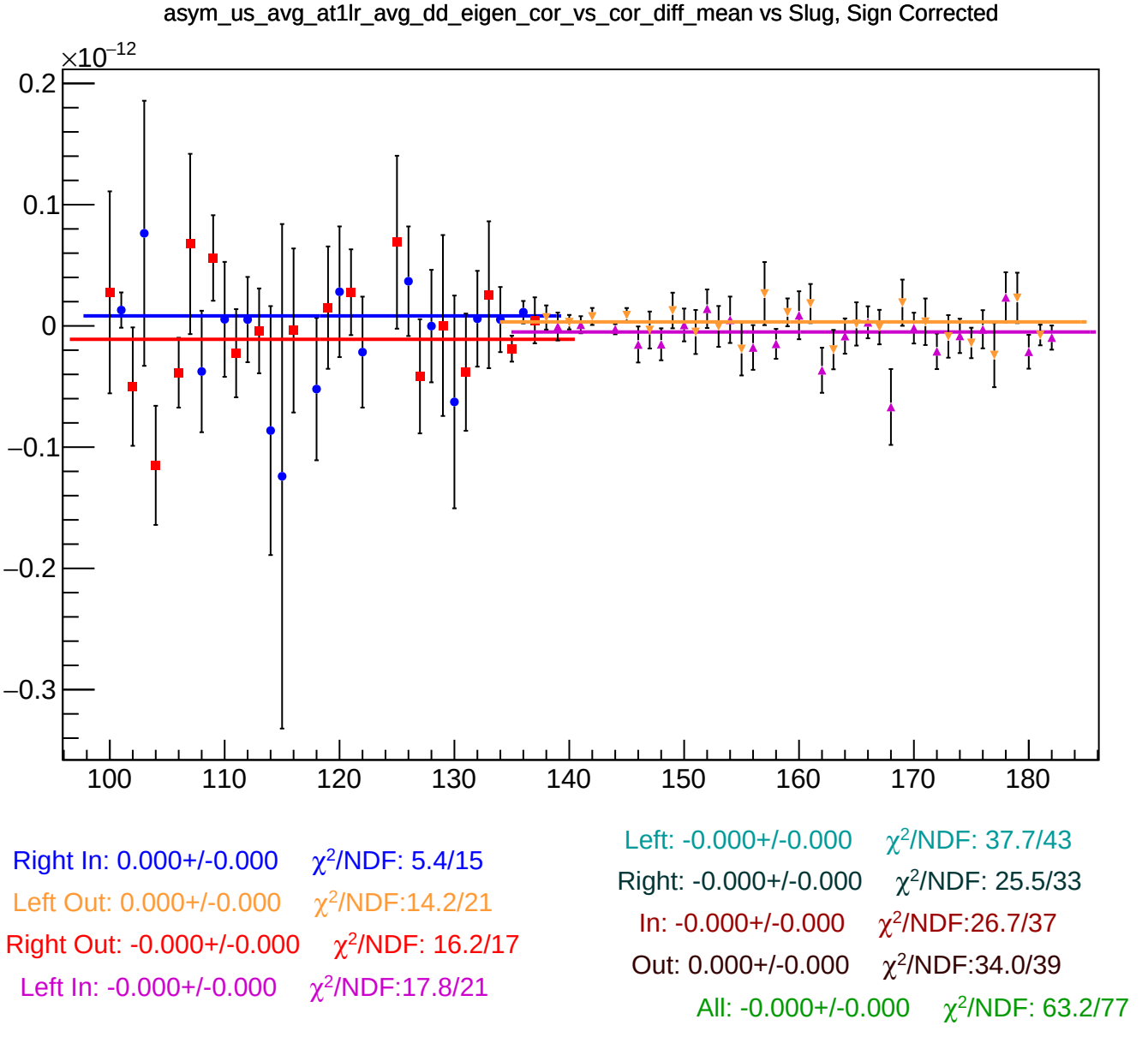
Left: 45.371+/-0.006 χ^2/NDF: 2245352.0/43

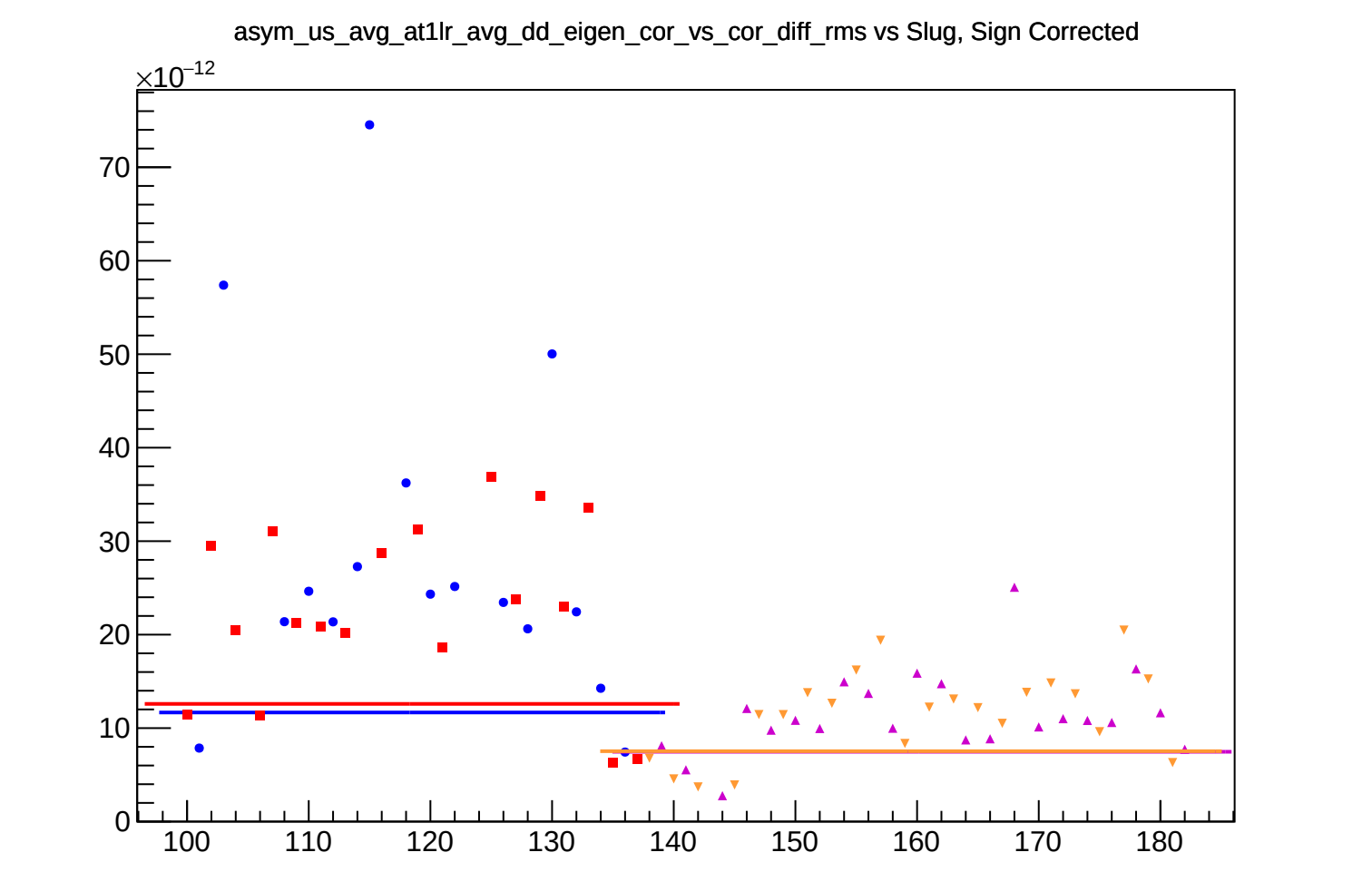
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 47.435+/-0.007 χ^2/NDF:3016946.9/37

Out: 44.822+/-0.007 χ^2/NDF:3431821.8/39

All: 46.105+/-0.005 χ^2/NDF: 6513169.6/77


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:14.2/21
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/17
Left In: -0.000+/-0.000 χ²/NDF:17.8/21
Left: -0.000+/-0.000 χ²/NDF: 37.7/43
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: -0.000+/-0.000 χ²/NDF:26.7/37
Out: 0.000+/-0.000 χ²/NDF:34.0/39
All: -0.000+/-0.000 χ²/NDF: 63.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5524400.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:5976121.1/21

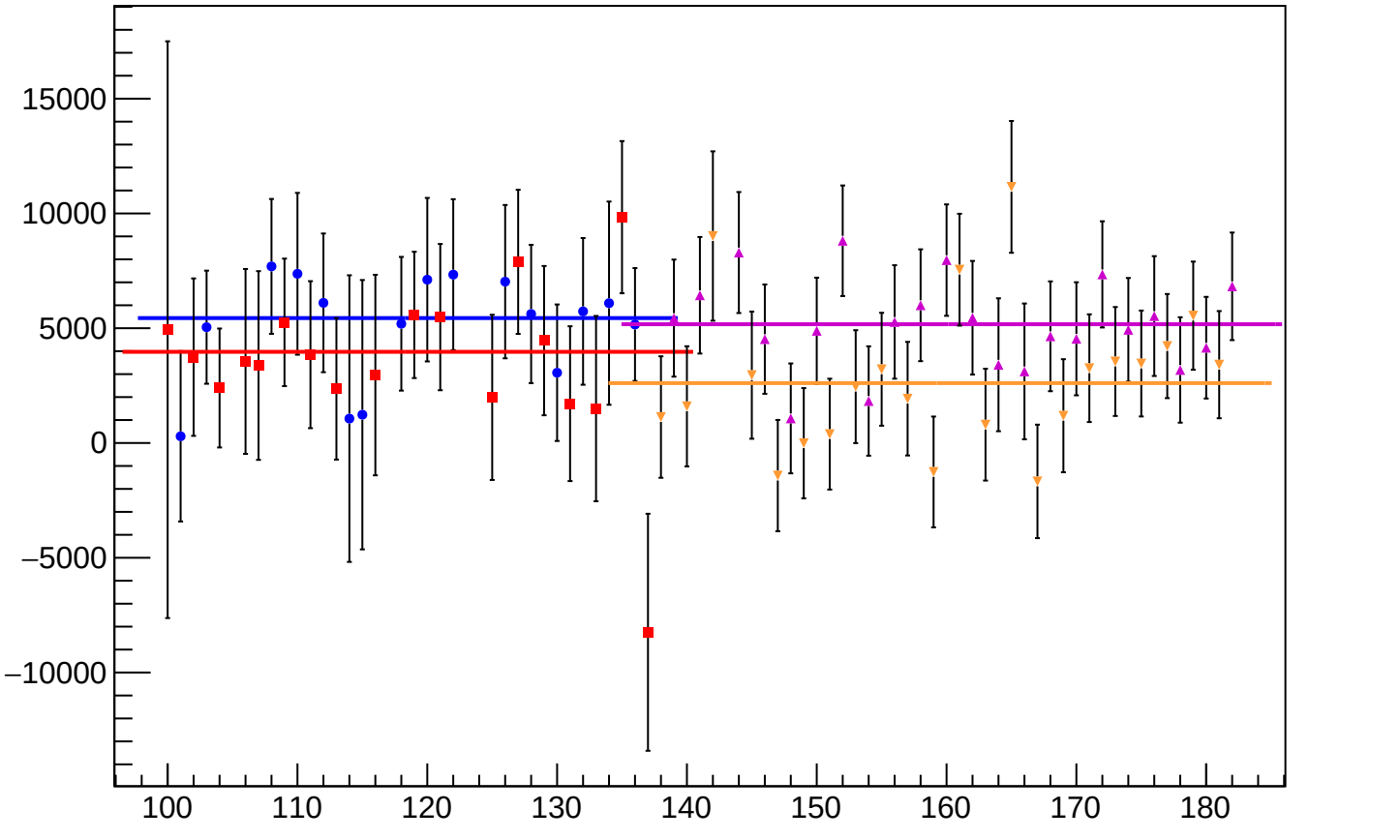
Left: 0.000+/-0.000 χ^2/NDF: 11501144.4/43

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:9583224.8/37

Out: 0.000+/-0.000 χ^2/NDF:9324663.5/39

All: 0.000+/-0.000 χ^2/NDF: 18909958.9/77



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2609.197+/-529.577 χ^2/NDF:30.4/21

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5173.607+/-521.068 χ^2/NDF:13.7/21

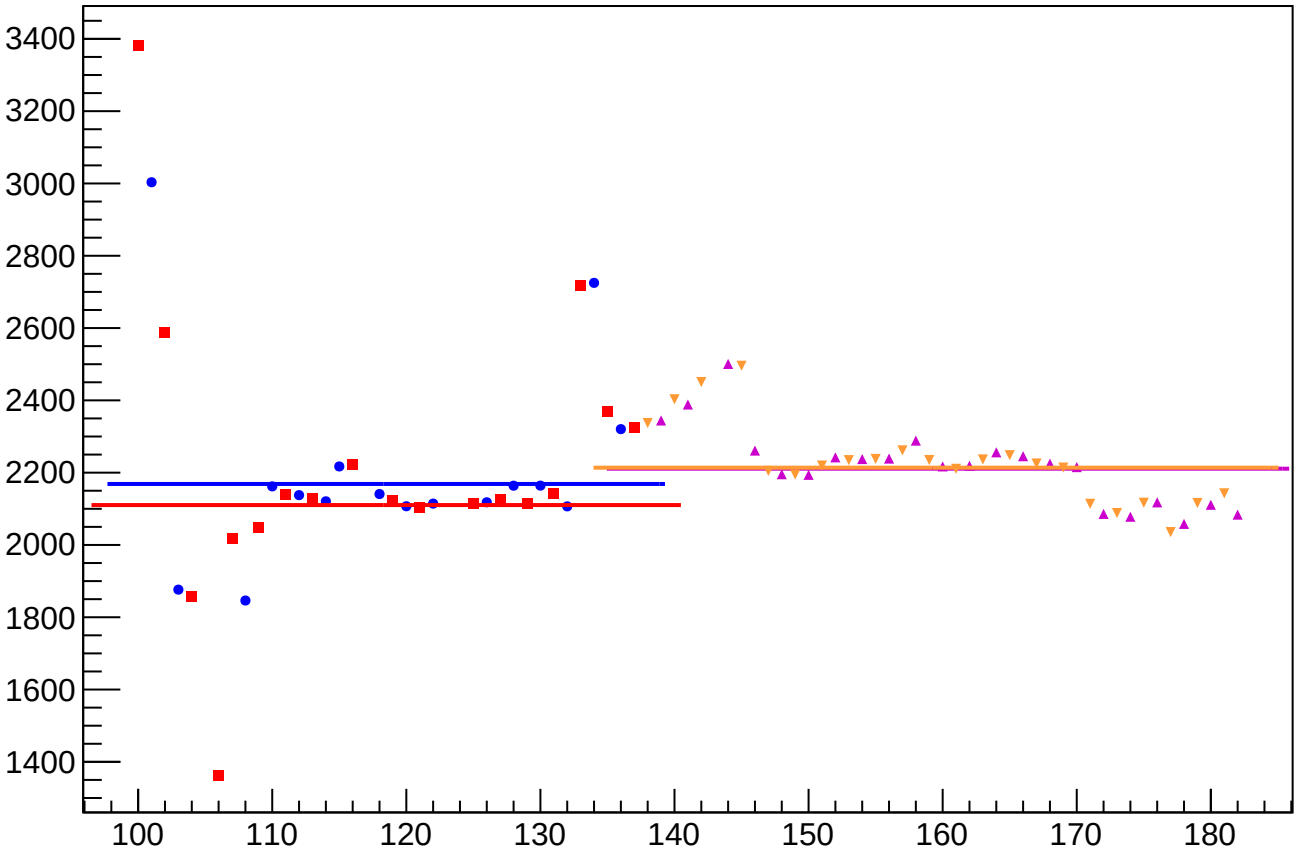
Left: 3912.170+/-371.423 χ^2/NDF: 56.1/43

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5251.917+/-438.624 χ^2/NDF:19.2/37

Out: 3017.900+/-443.089 χ^2/NDF:45.4/39

All: 4146.222+/-311.721 χ^2/NDF: 77.4/77



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2213.766+/-0.374 χ^2/NDF:76078.0/21

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2210.943+/-0.368 χ^2/NDF:78374.5/21

Left: 2212.332+/-0.263 χ^2/NDF: 154481.4/43

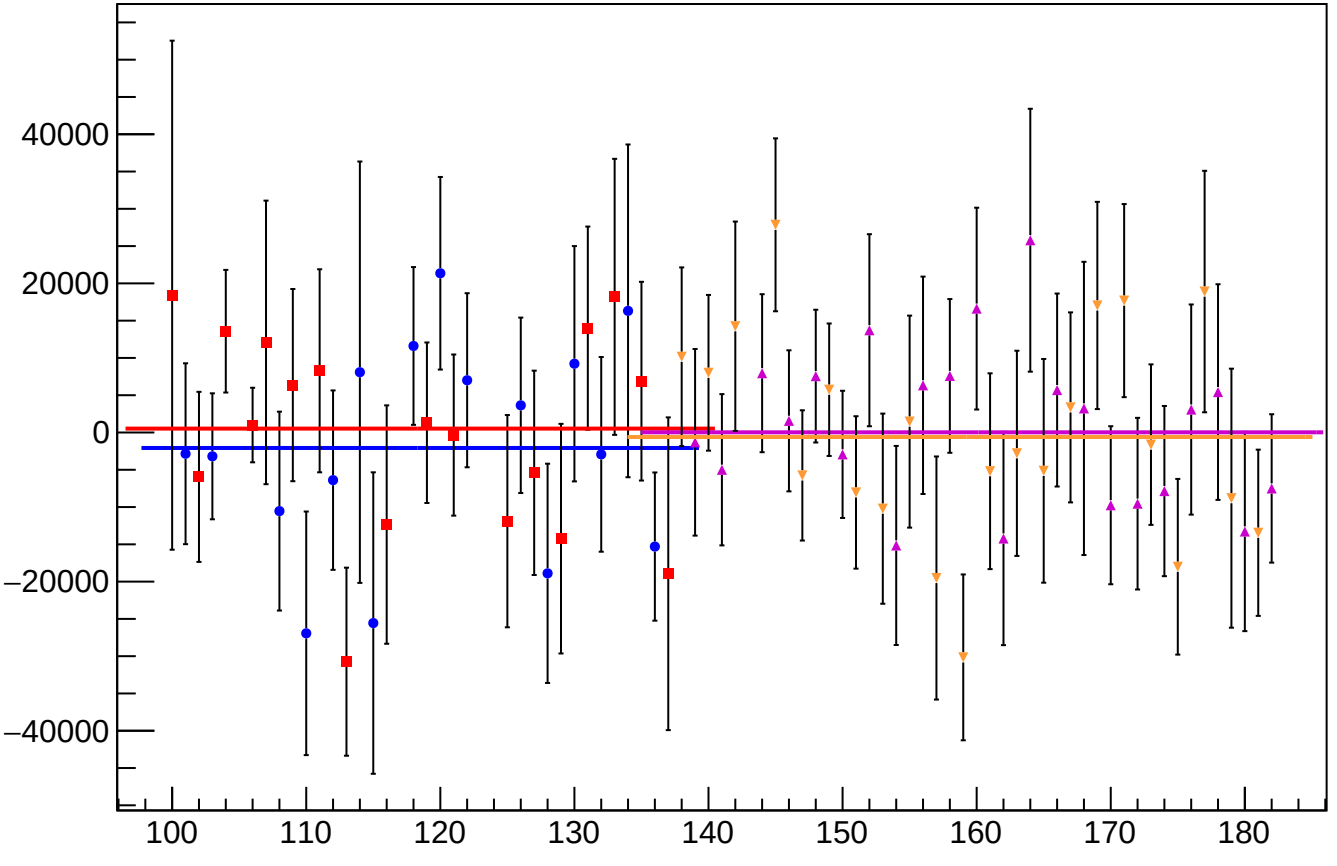
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2198.637+/-0.310 χ^2/NDF:277861.6/37

Out: 2182.050+/-0.312 χ^2/NDF:366878.3/39

All: 2190.388+/-0.220 χ^2/NDF: 646162.4/77

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: -606.600+/-2575.373 χ^2/NDF:28.1/21

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 24.172+/-2499.387 χ^2/NDF:13.4/21

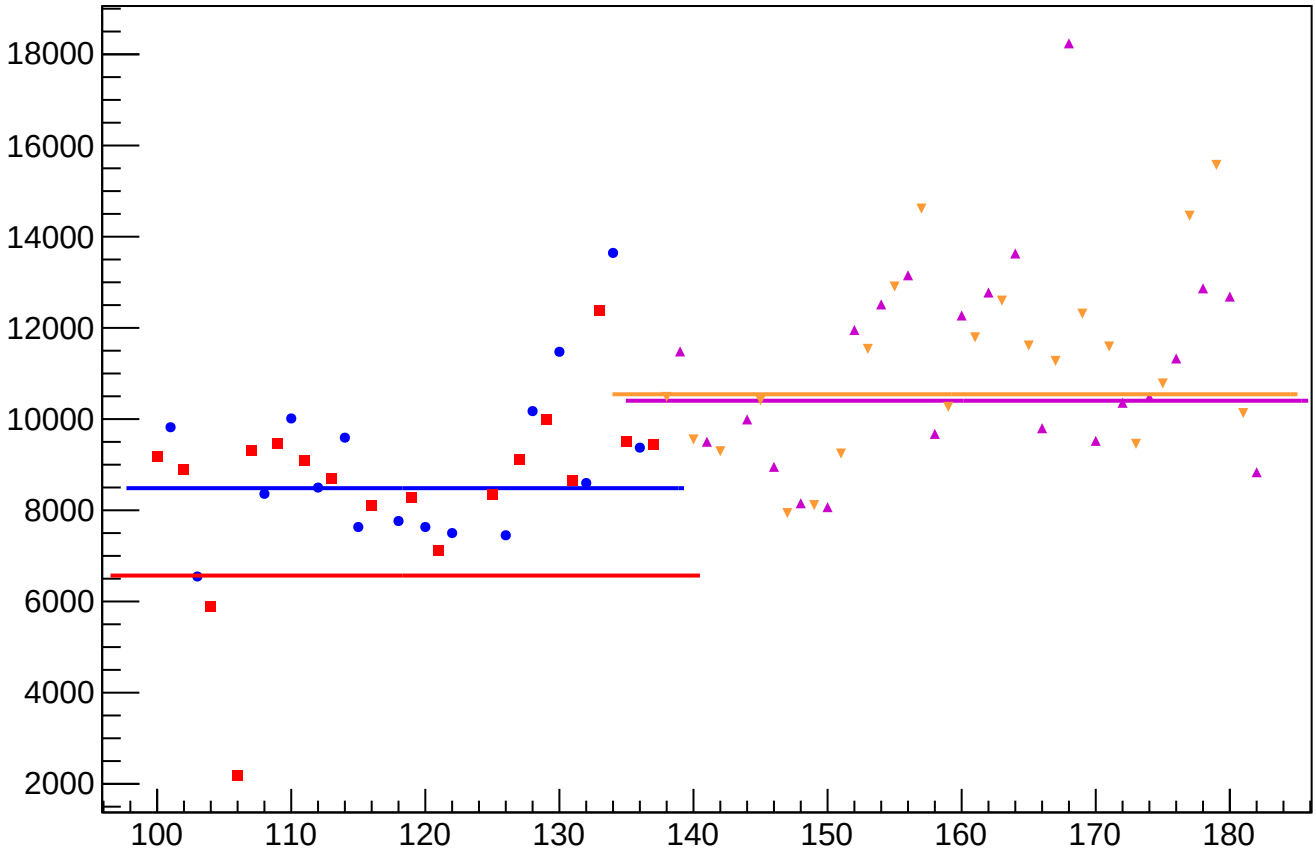
Left: -281.771+/-1793.595 χ^2/NDF: 41.6/43

Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -767.426+/-1972.571 χ^2/NDF:28.1/37

Out: -72.446+/-1868.667 χ^2/NDF:43.9/39

All: -401.151+/-1356.593 χ^2/NDF: 72.1/77



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10544.484+/-1.821 χ^2/NDF:1021052.6/21

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10402.517+/-1.767 χ^2/NDF:1189472.3/21

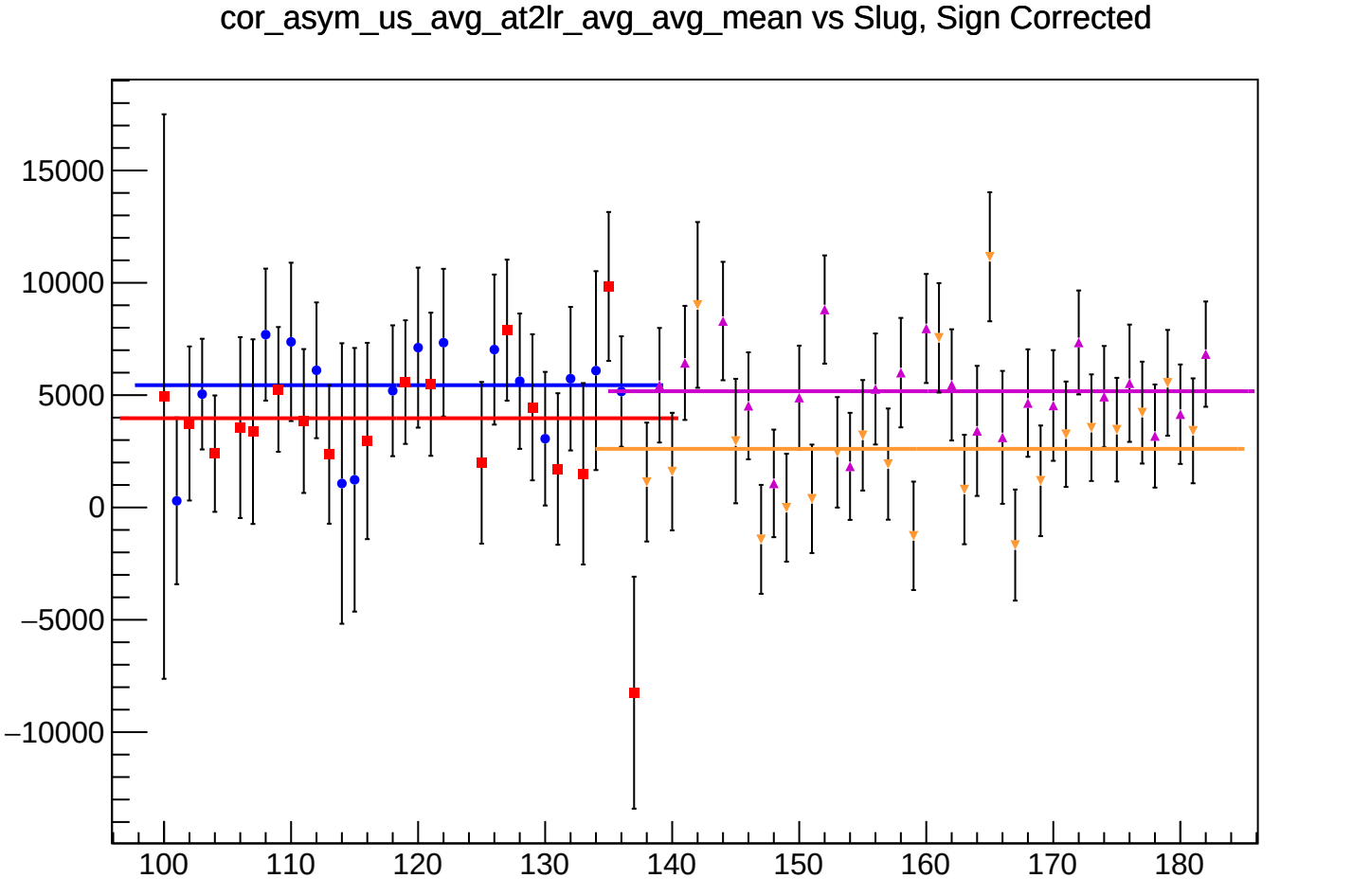
Left: 10471.375+/-1.268 χ^2/NDF: 2213654.6/43

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9679.367+/-1.395 χ^2/NDF:2056125.2/37

Out: 8661.884+/-1.321 χ^2/NDF:5846928.2/39

All: 9143.123+/-0.959 χ^2/NDF: 8183502.6/77



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2609.114+/-529.577 χ^2/NDF:30.4/21

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5173.519+/-521.068 χ^2/NDF:13.7/21

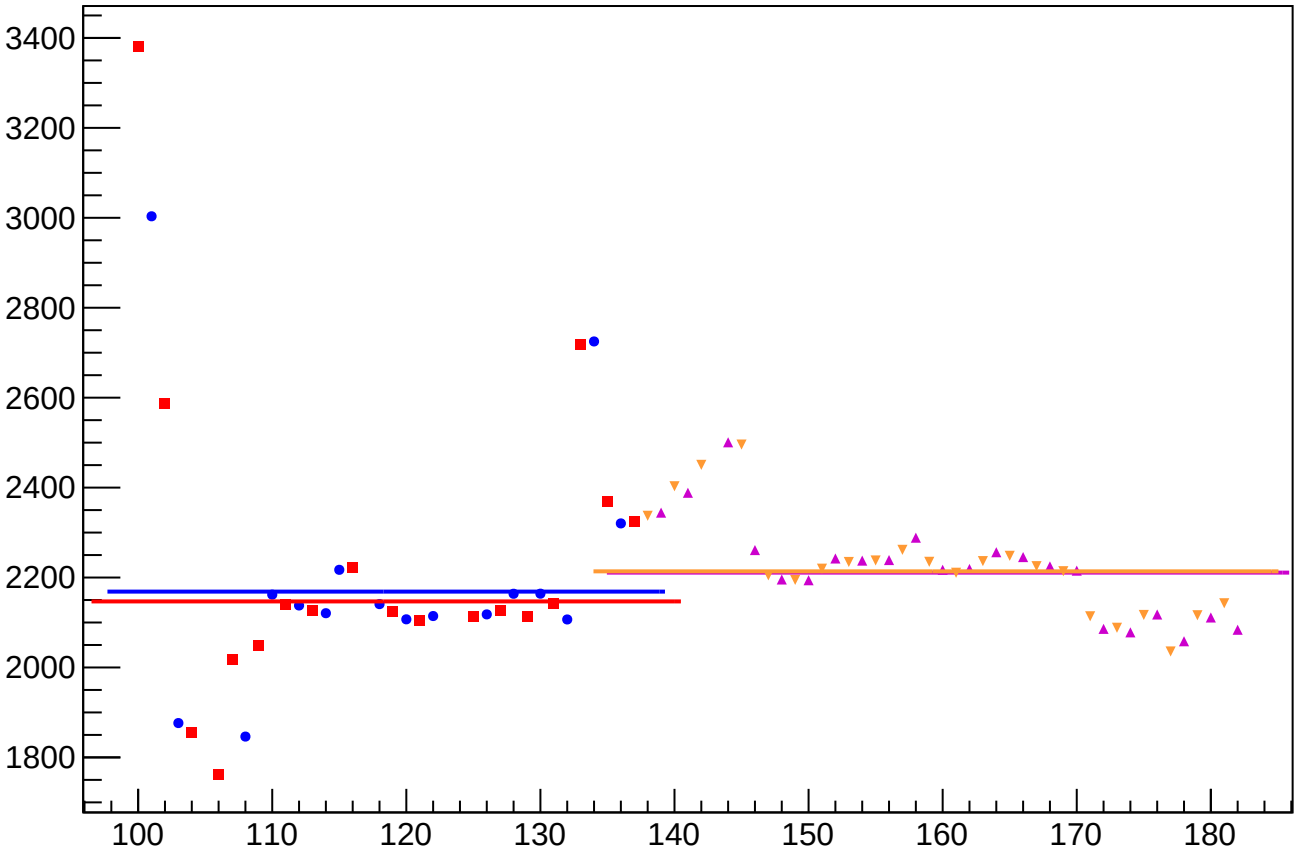
Left: 3912.084+/-371.423 χ^2/NDF: 56.1/43

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5251.896+/-438.624 χ^2/NDF:19.2/37

Out: 3017.764+/-443.089 χ^2/NDF:45.4/39

All: 4146.144+/-311.721 χ^2/NDF: 77.4/77



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2213.766+/-0.374 χ^2/NDF:76078.0/21

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2210.943+/-0.368 χ^2/NDF:78374.5/21

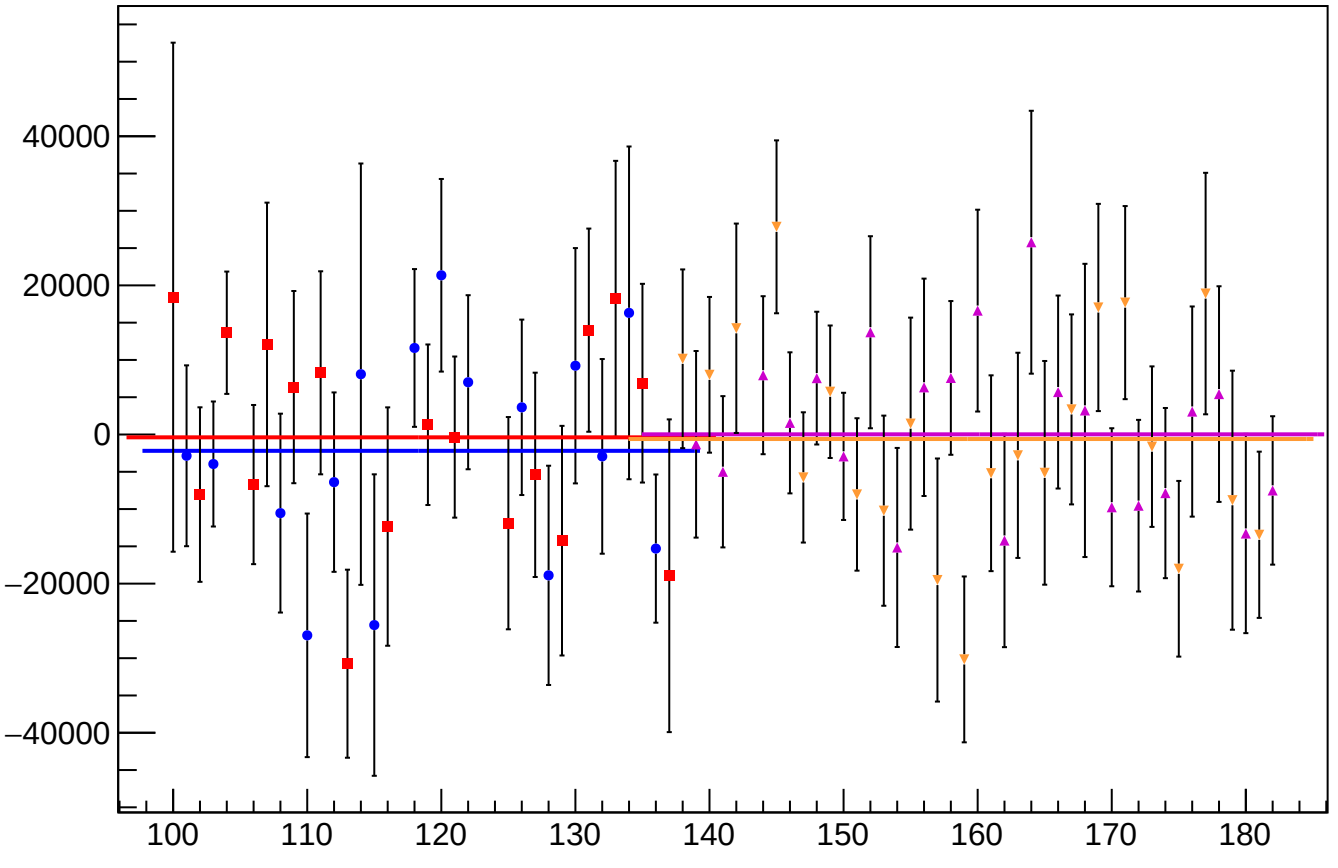
Left: 2212.332+/-0.263 χ^2/NDF: 154481.4/43

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2198.637+/-0.310 χ^2/NDF:277862.0/37

Out: 2193.565+/-0.313 χ^2/NDF:243463.2/39

All: 2196.123+/-0.220 χ^2/NDF: 521457.7/77



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -606.586+/-2575.372 χ^2/NDF:28.1/21

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 24.246+/-2499.385 χ^2/NDF:13.4/21

Left: -281.726+/-1793.594 χ^2/NDF: 41.6/43

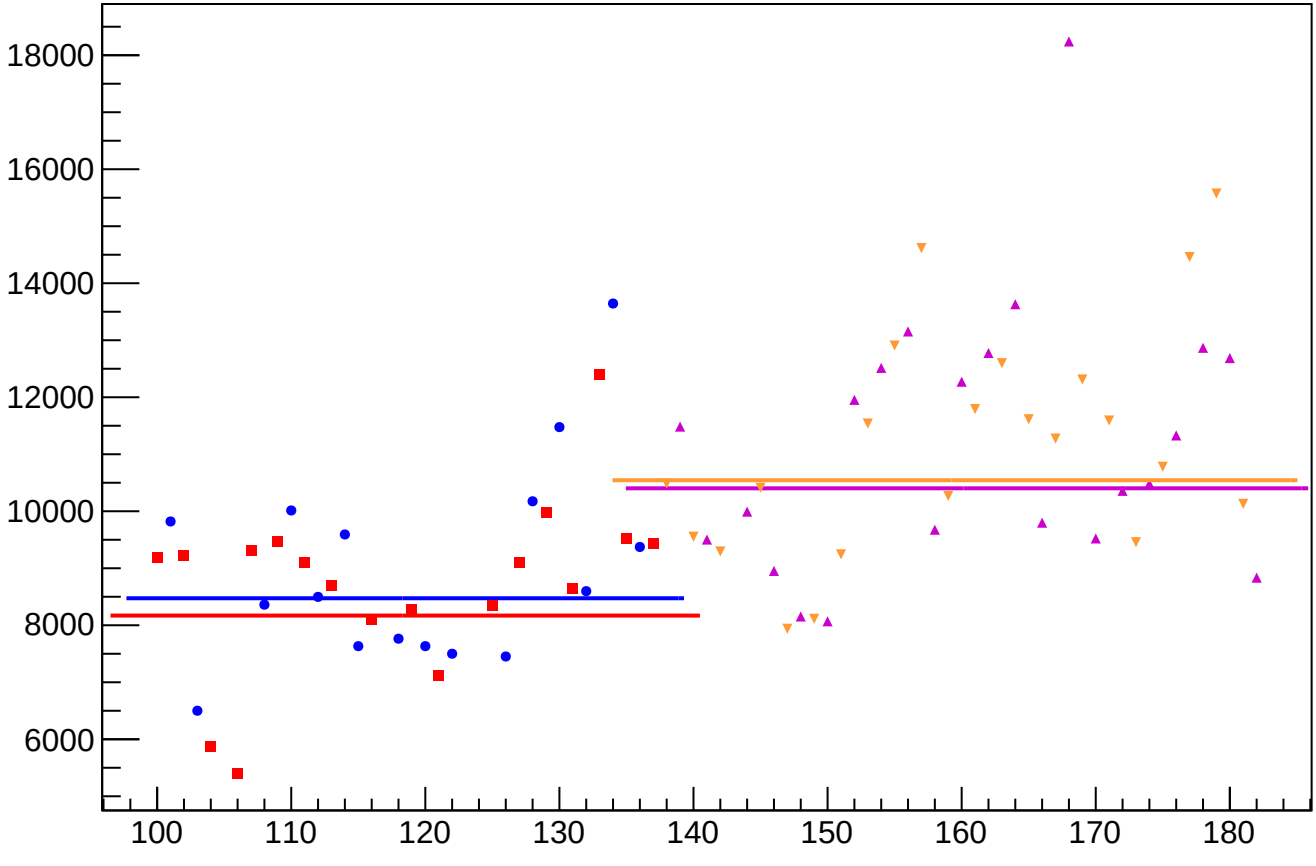
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -811.684+/-1971.743 χ^2/NDF:28.2/37

Out: -513.747+/-1980.943 χ^2/NDF:44.4/39

All: -663.409+/-1397.474 χ^2/NDF: 72.7/77

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10544.478+/-1.821 χ^2/NDF:1021057.0/21

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10402.510+/-1.767 χ^2/NDF:1189476.0/21

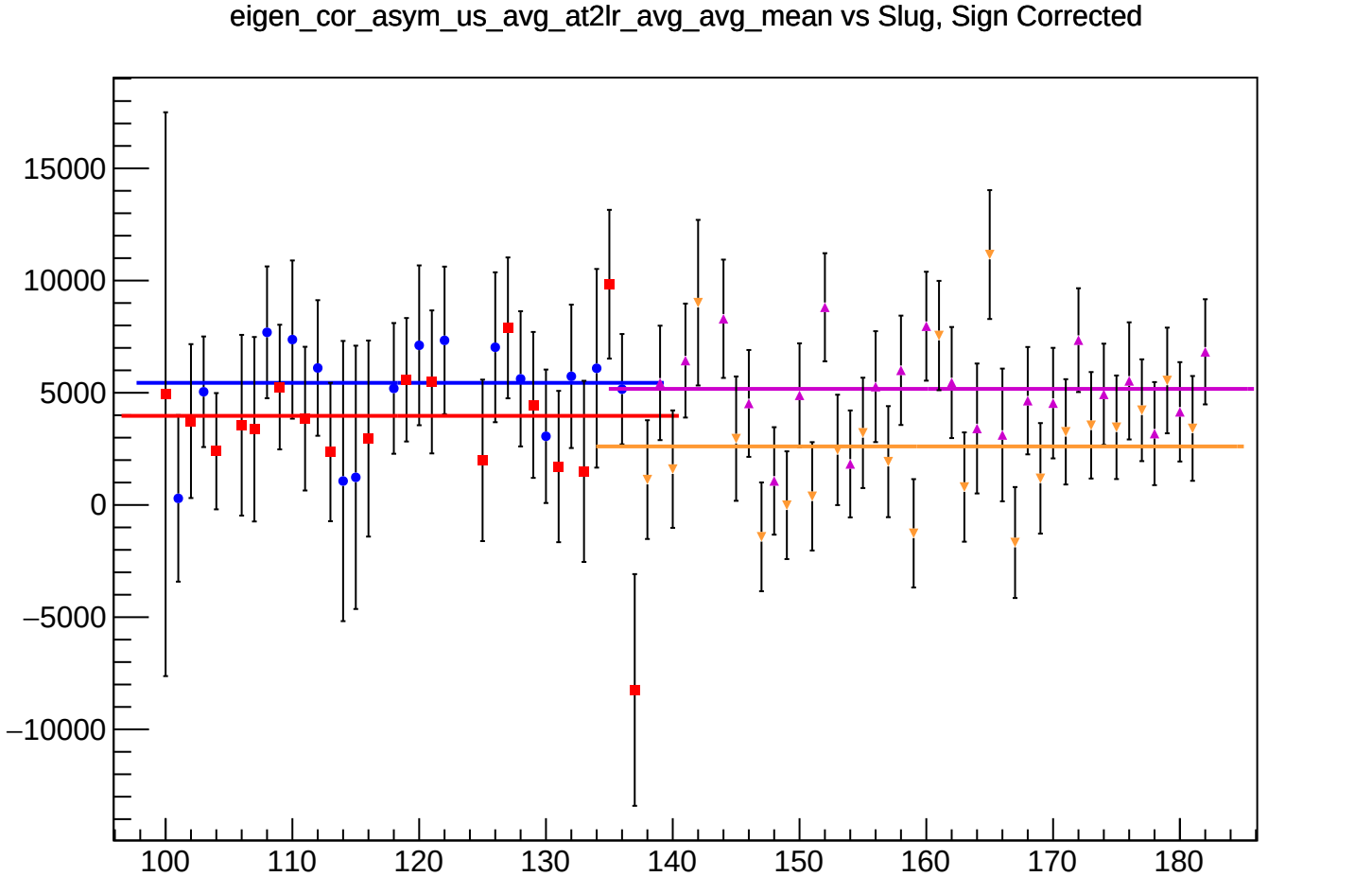
Left: 10471.369+/-1.268 χ^2/NDF: 2213662.7/43

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9674.110+/-1.394 χ^2/NDF:2068817.1/37

Out: 9574.869+/-1.401 χ^2/NDF:2255223.5/39

All: 9624.720+/-0.988 χ^2/NDF: 4326562.1/77



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2609.114+/-529.577 χ^2/NDF:30.4/21

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5173.519+/-521.068 χ^2/NDF:13.7/21

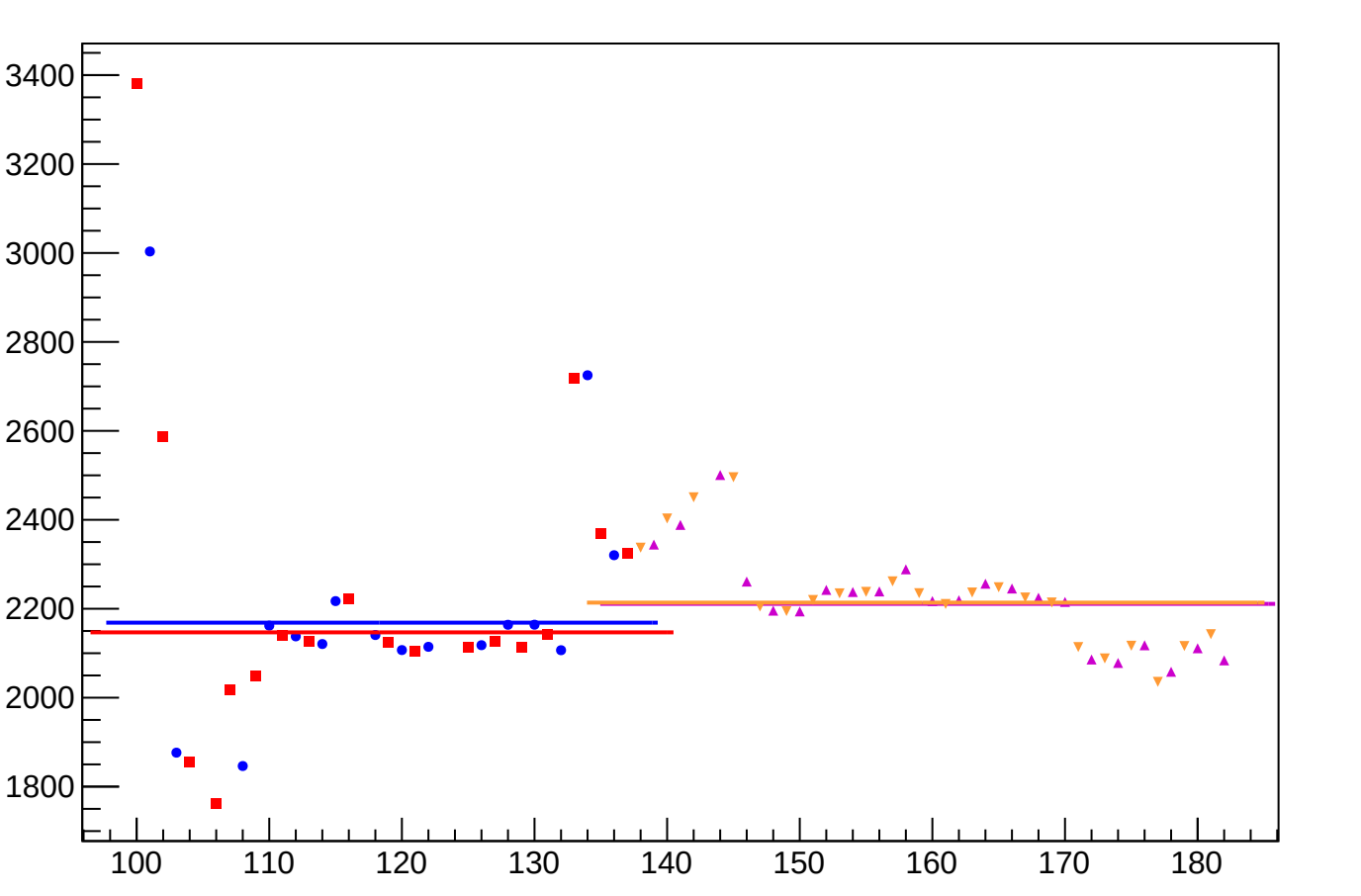
Left: 3912.084+/-371.423 χ^2/NDF: 56.1/43

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5251.896+/-438.624 χ^2/NDF:19.2/37

Out: 3017.764+/-443.089 χ^2/NDF:45.4/39

All: 4146.144+/-311.721 χ^2/NDF: 77.4/77



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2213.766+/-0.374 χ^2/NDF:76078.0/21

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2210.943+/-0.368 χ^2/NDF:78374.5/21

Left: 2212.332+/-0.263 χ^2/NDF: 154481.4/43

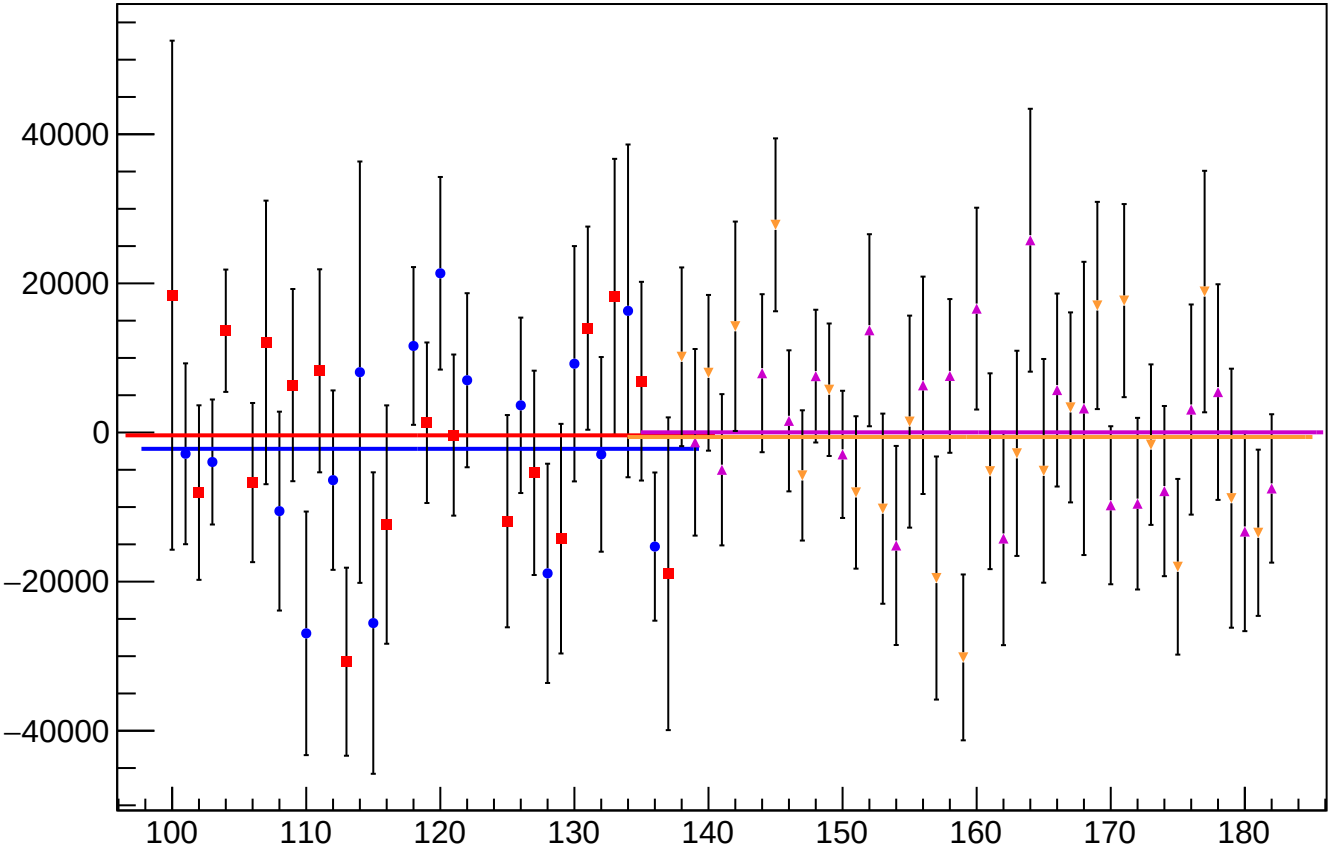
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2198.637+/-0.310 χ^2/NDF:277862.0/37

Out: 2193.565+/-0.313 χ^2/NDF:243463.2/39

All: 2196.123+/-0.220 χ^2/NDF: 521457.7/77

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -606.586+/-2575.372 χ^2/NDF:28.1/21

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 24.246+/-2499.385 χ^2/NDF:13.4/21

Left: -281.726+/-1793.594 χ^2/NDF: 41.6/43

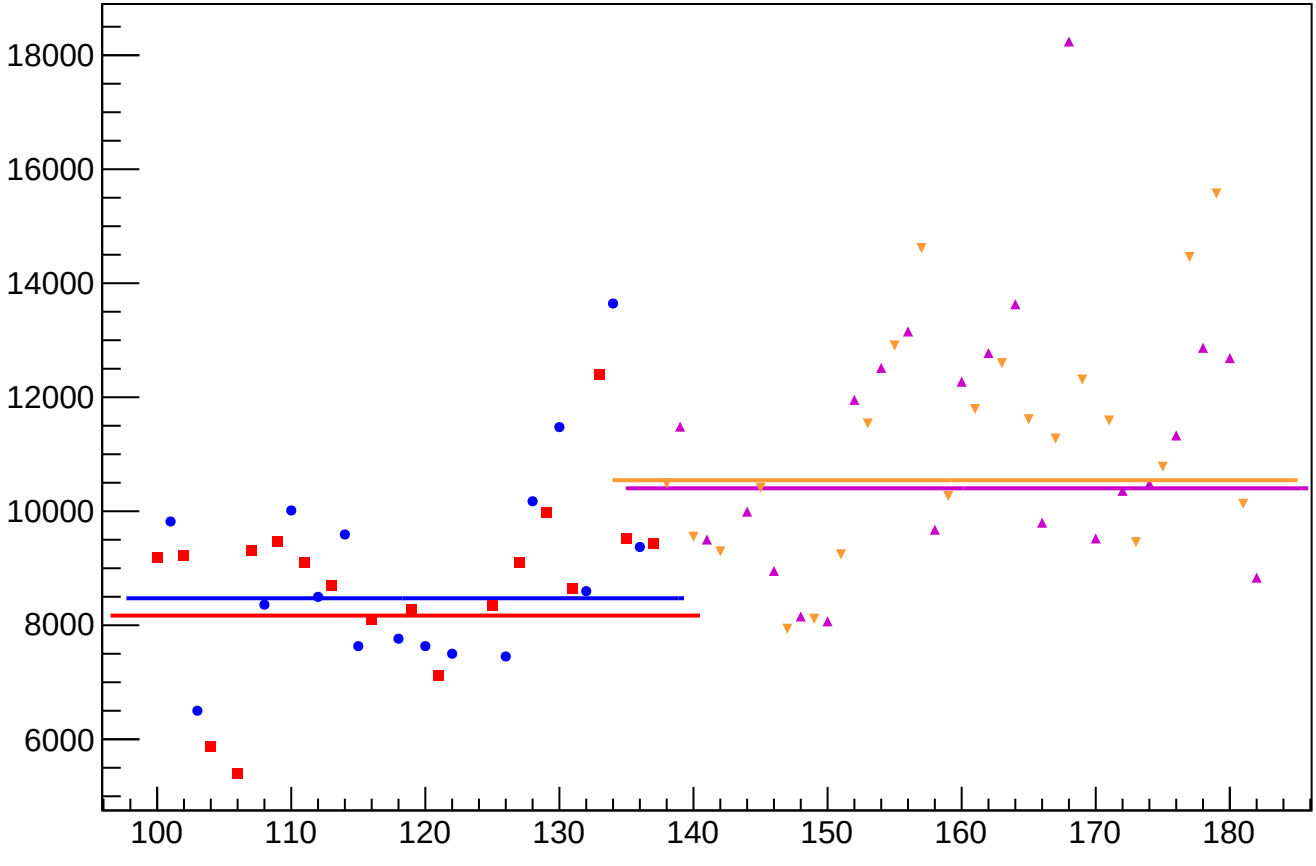
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -811.684+/-1971.743 χ^2/NDF:28.2/37

Out: -513.747+/-1980.943 χ^2/NDF:44.4/39

All: -663.409+/-1397.474 χ^2/NDF: 72.7/77

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10544.478+/-1.821 χ^2/NDF:1021057.0/21

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10402.510+/-1.767 χ^2/NDF:1189476.0/21

Left: 10471.369+/-1.268 χ^2/NDF: 2213662.7/43

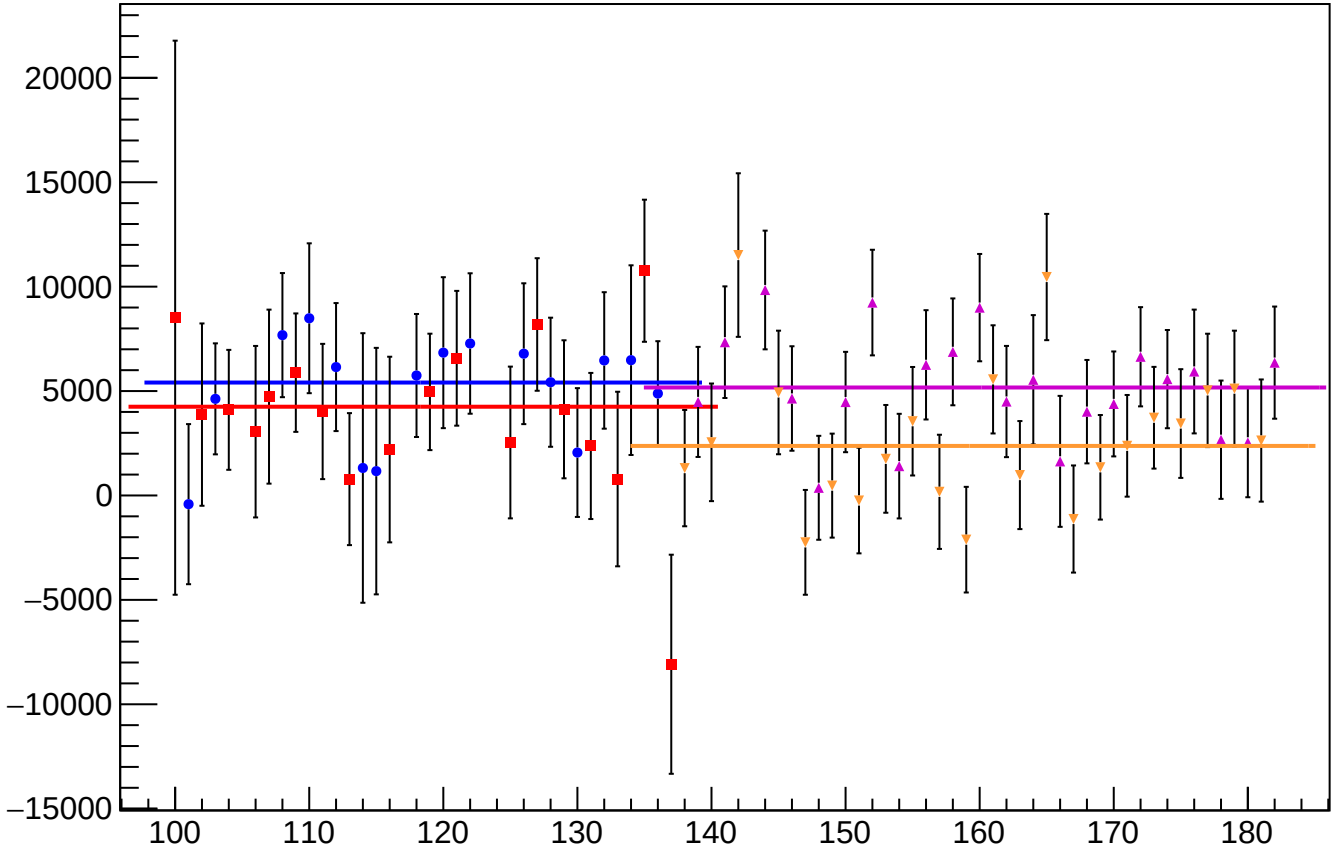
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9674.110+/-1.394 χ^2/NDF:2068817.1/37

Out: 9574.869+/-1.401 χ^2/NDF:2255223.5/39

All: 9624.720+/-0.988 χ^2/NDF: 4326562.1/77

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2372.554+/-569.321 χ^2/NDF:28.9/21

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5170.882+/-557.629 χ^2/NDF:19.1/21

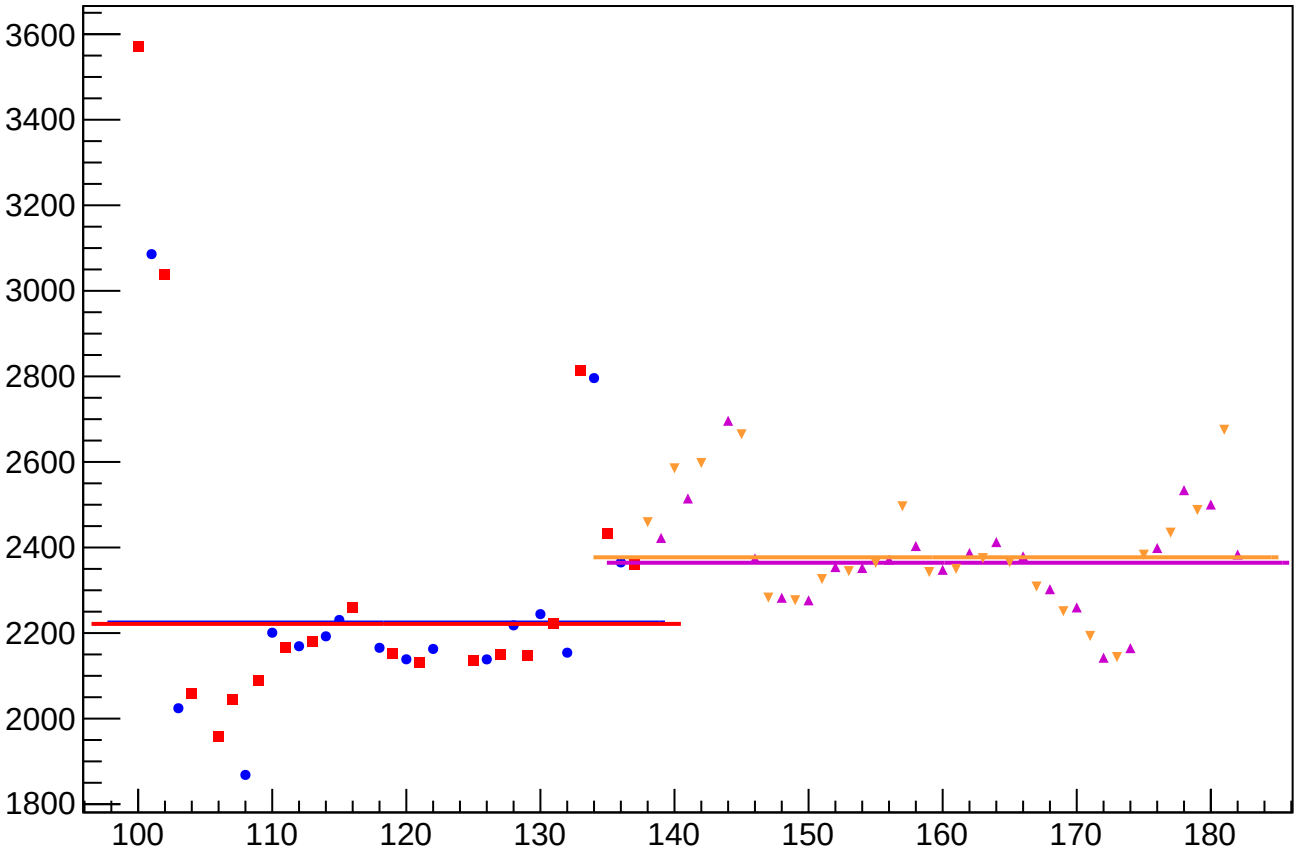
Left: 3800.748+/-398.373 χ^2/NDF: 60.3/43

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5244.134+/-463.503 χ^2/NDF:25.9/37

Out: 2964.126+/-471.159 χ^2/NDF:46.8/39

All: 4122.804+/-330.420 χ^2/NDF: 84.5/77



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2377.128+/-0.403 χ^2/NDF:110591.6/21

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2364.363+/-0.394 χ^2/NDF:90254.2/21

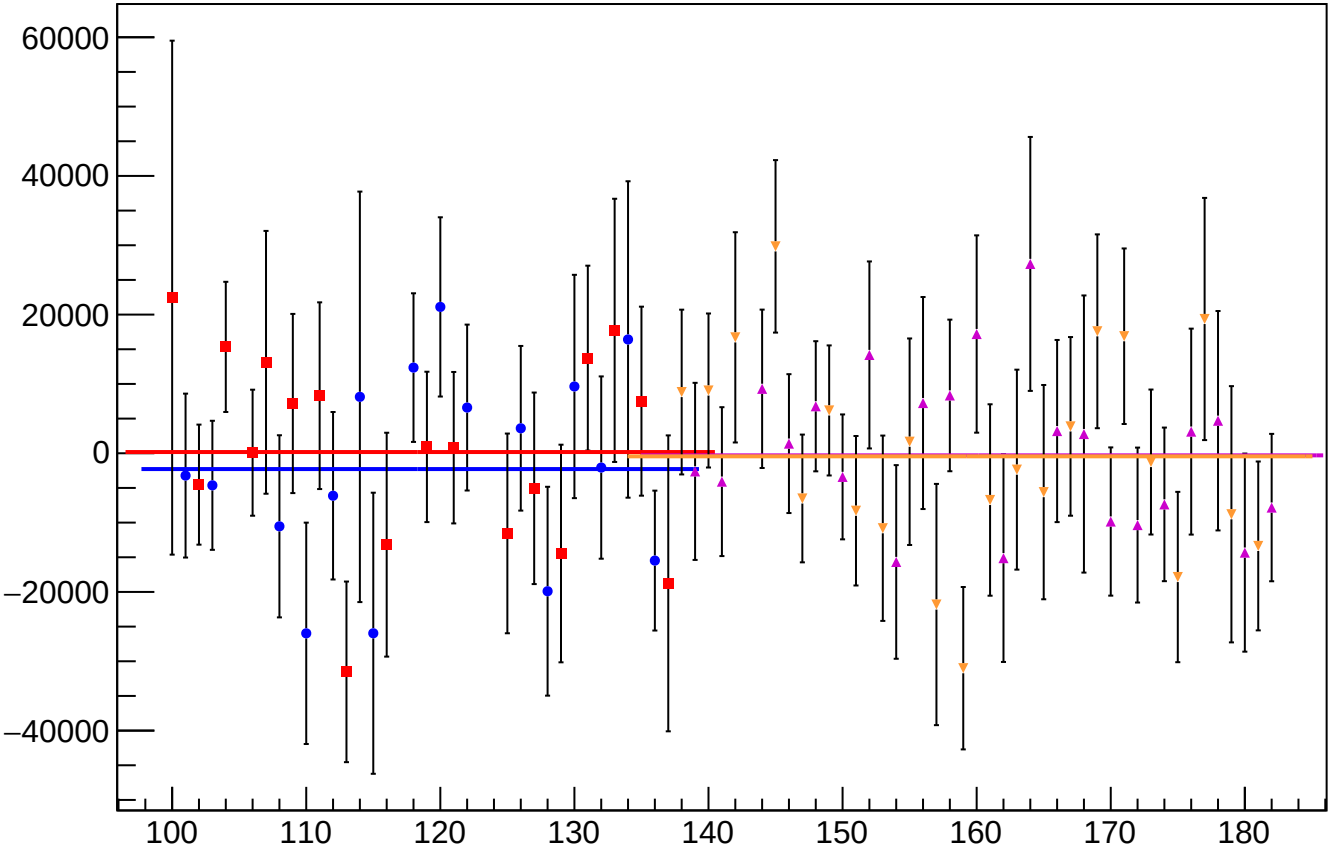
Left: 2370.613+/-0.282 χ^2/NDF: 201359.0/43

Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2321.167+/-0.328 χ^2/NDF:313761.3/37

Out: 2328.023+/-0.333 χ^2/NDF:327713.6/39

All: 2324.539+/-0.234 χ^2/NDF: 641690.1/77



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -441.394+/-2684.054 χ^2/NDF:27.6/21

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -301.275+/-2605.916 χ^2/NDF:13.3/21

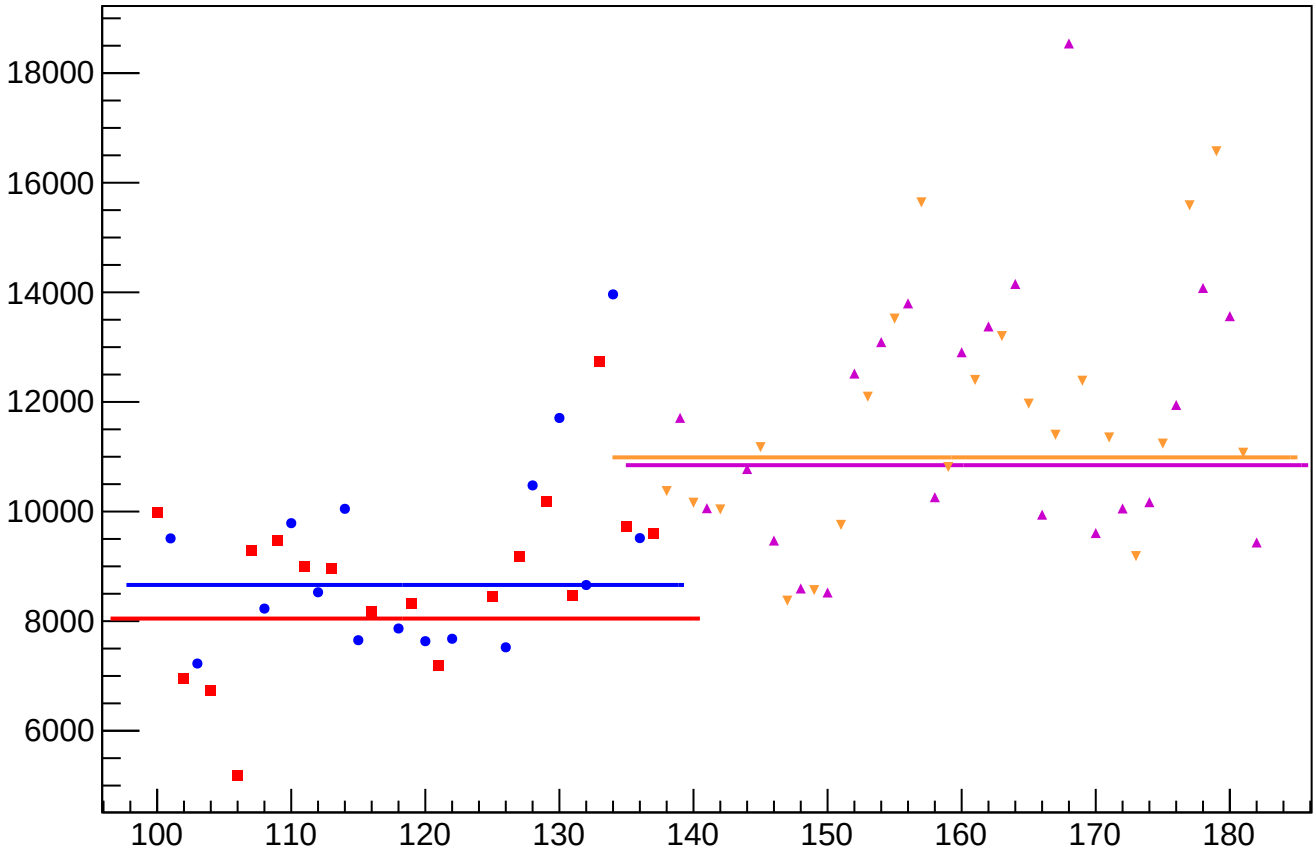
Left: -369.265+/-1869.675 χ^2/NDF: 40.9/43

Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -1068.718+/-2038.364 χ^2/NDF:28.0/37

Out: -170.027+/-2010.698 χ^2/NDF:43.2/39

All: -613.232+/-1431.459 χ^2/NDF: 71.4/77



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10988.692+/-1.898 χ^2/NDF:1041885.3/21

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10846.148+/-1.843 χ^2/NDF:1184860.3/21

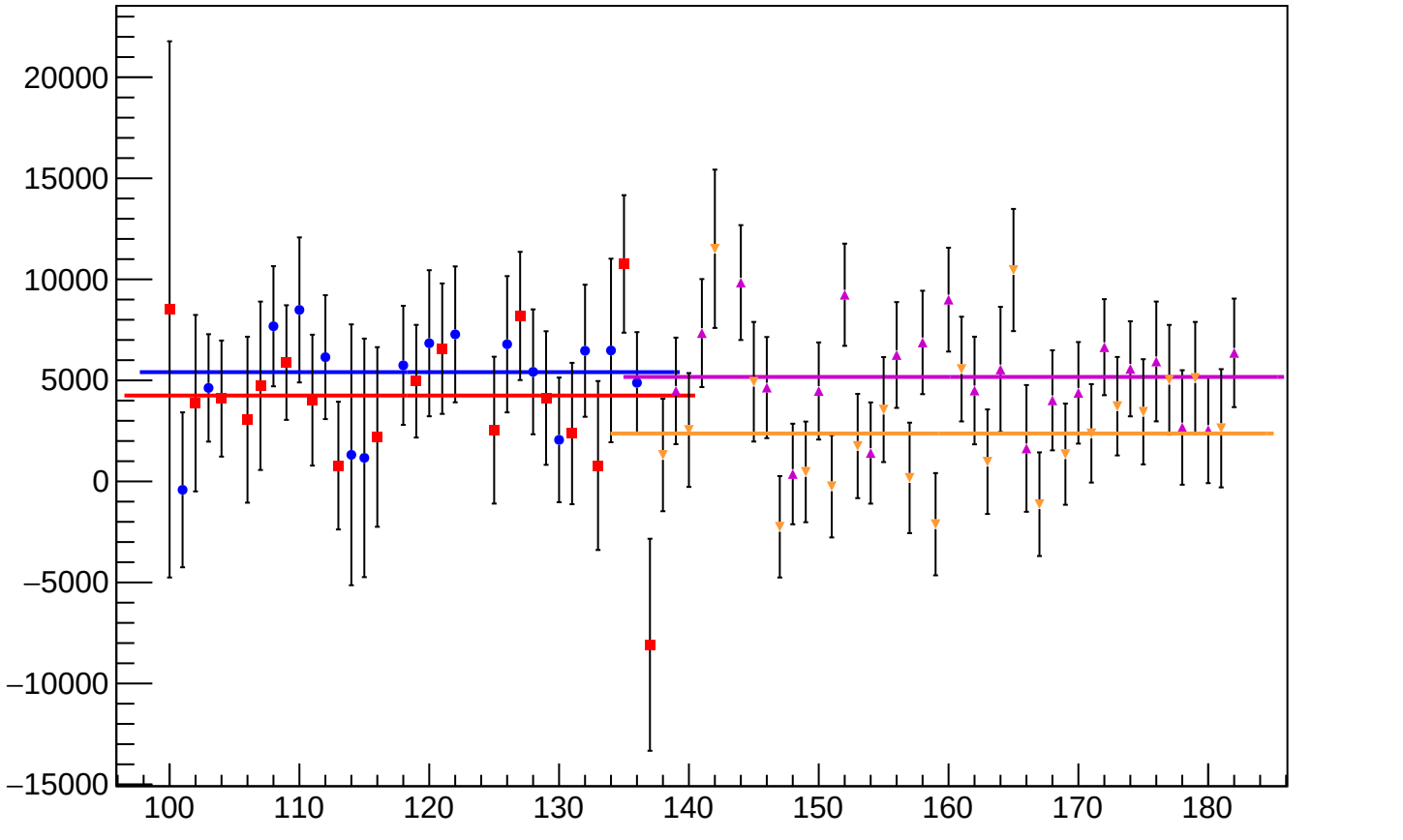
Left: 10915.315+/-1.322 χ^2/NDF: 2229649.4/43

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9997.872+/-1.441 χ^2/NDF:2088806.8/37

Out: 9698.055+/-1.422 χ^2/NDF:2654299.7/39

All: 9845.915+/-1.012 χ^2/NDF: 4765036.7/77



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2372.542+/-569.322 χ^2/NDF:28.9/21

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5170.886+/-557.629 χ^2/NDF:19.1/21

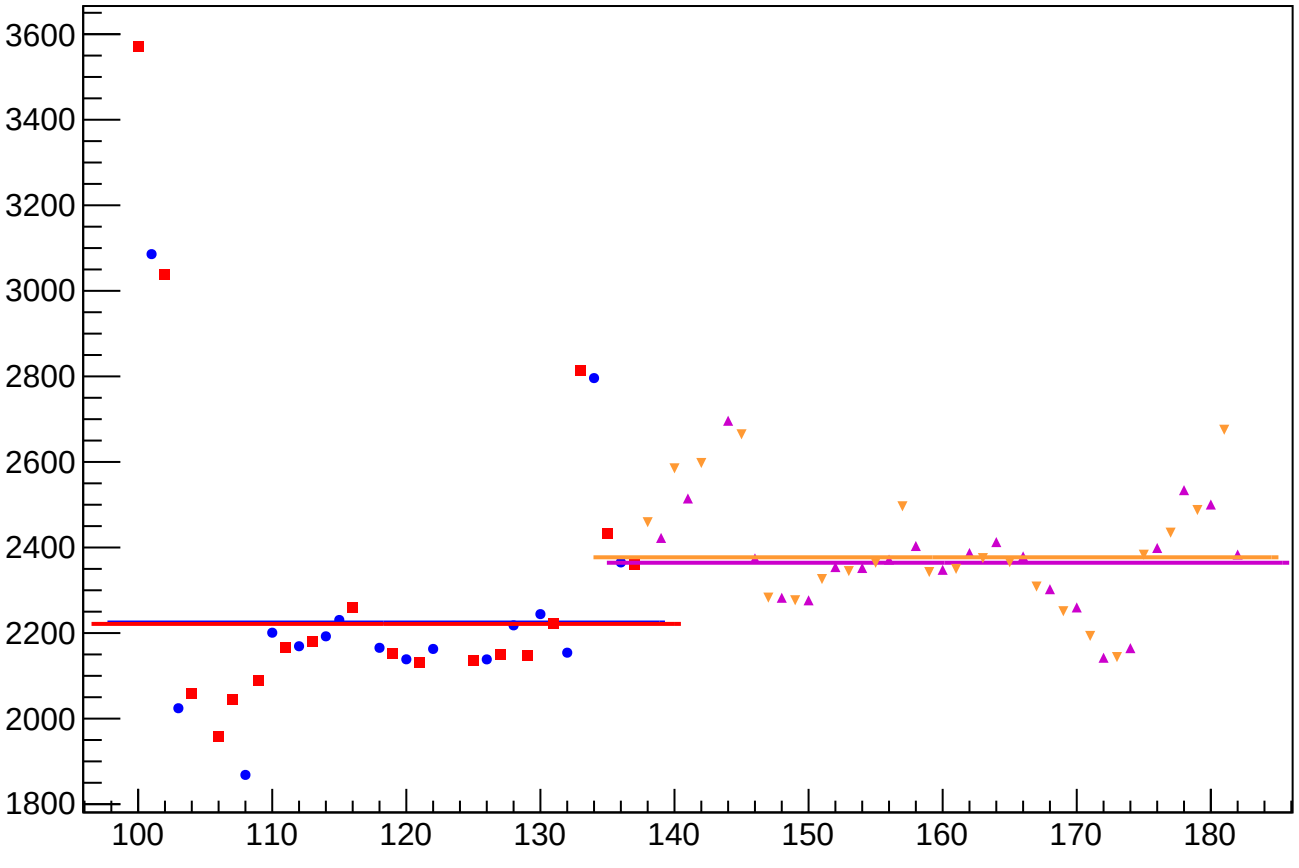
Left: 3800.744+/-398.373 χ^2/NDF: 60.3/43

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5244.137+/-463.504 χ^2/NDF:25.9/37

Out: 2964.121+/-471.159 χ^2/NDF:46.8/39

All: 4122.802+/-330.420 χ^2/NDF: 84.5/77



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2377.131+/-0.403 χ^2/NDF:110596.0/21

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2364.366+/-0.394 χ^2/NDF:90258.8/21

Left: 2370.616+/-0.282 χ^2/NDF: 201368.0/43

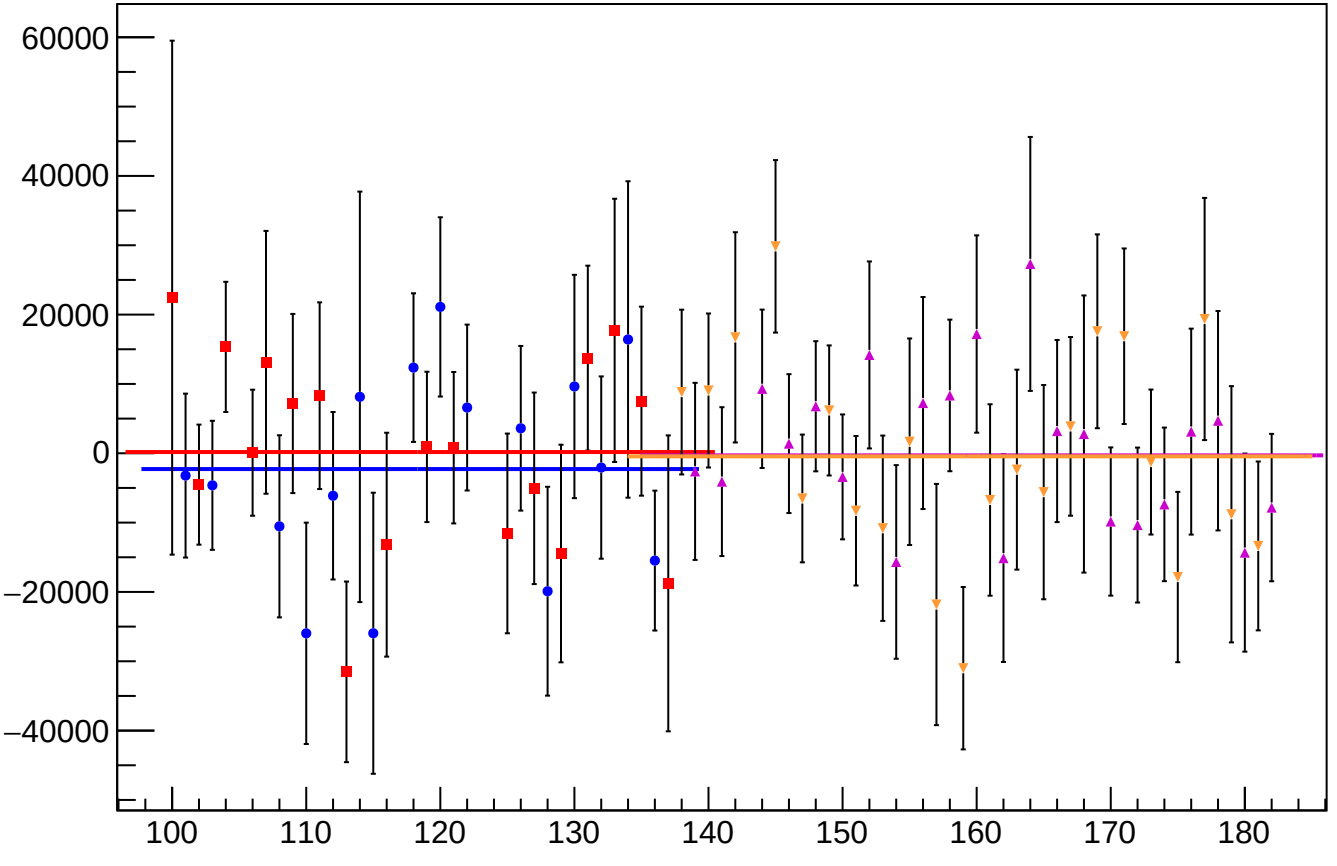
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2321.169+/-0.328 χ^2/NDF:313768.3/37

Out: 2328.025+/-0.333 χ^2/NDF:327720.4/39

All: 2324.541+/-0.234 χ^2/NDF: 641704.0/77

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: -441.401+/-2684.059 χ^2/NDF:27.6/21

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -301.277+/-2605.920 χ^2/NDF:13.3/21

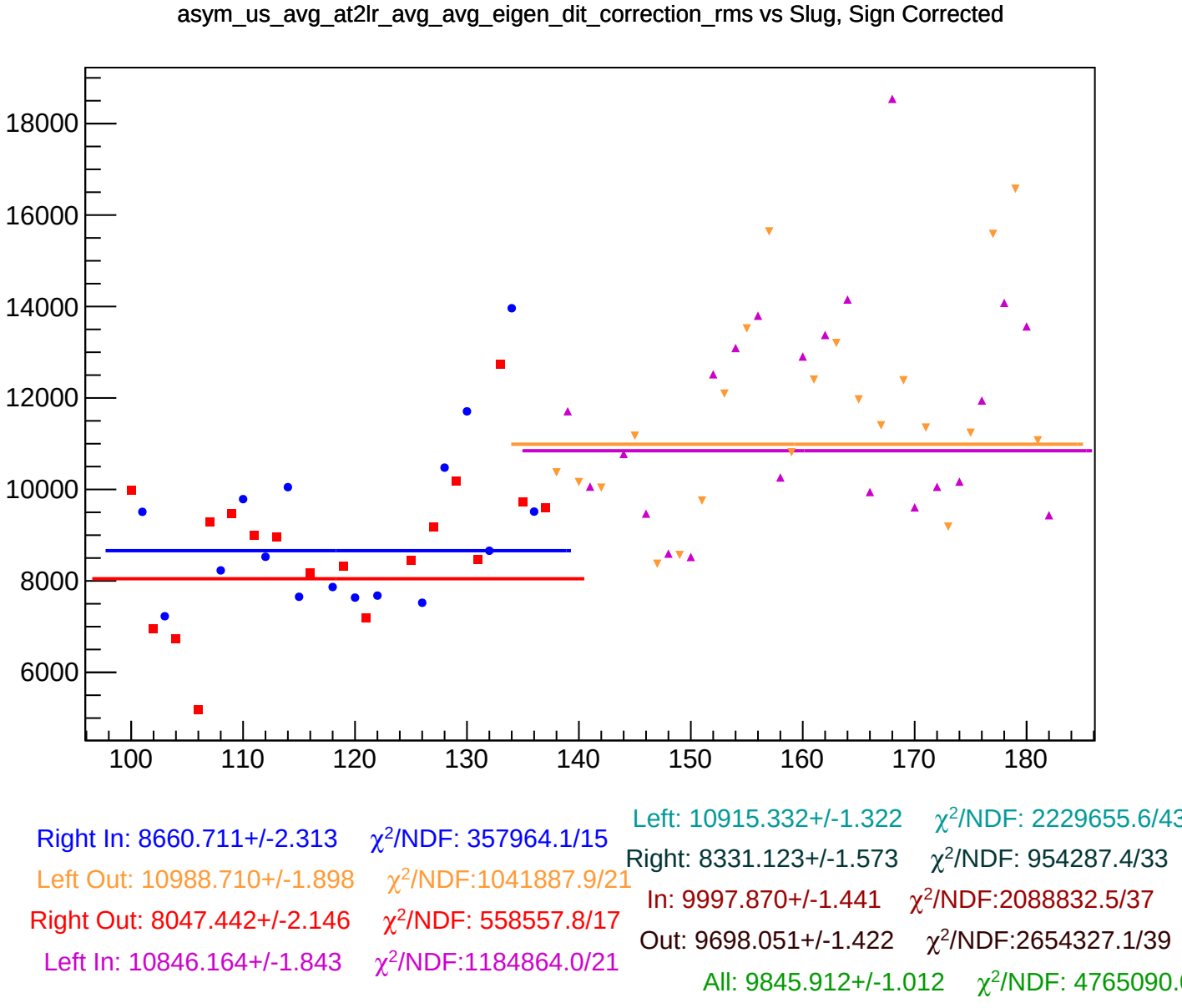
Left: -369.270+/-1869.678 χ^2/NDF: 40.9/43

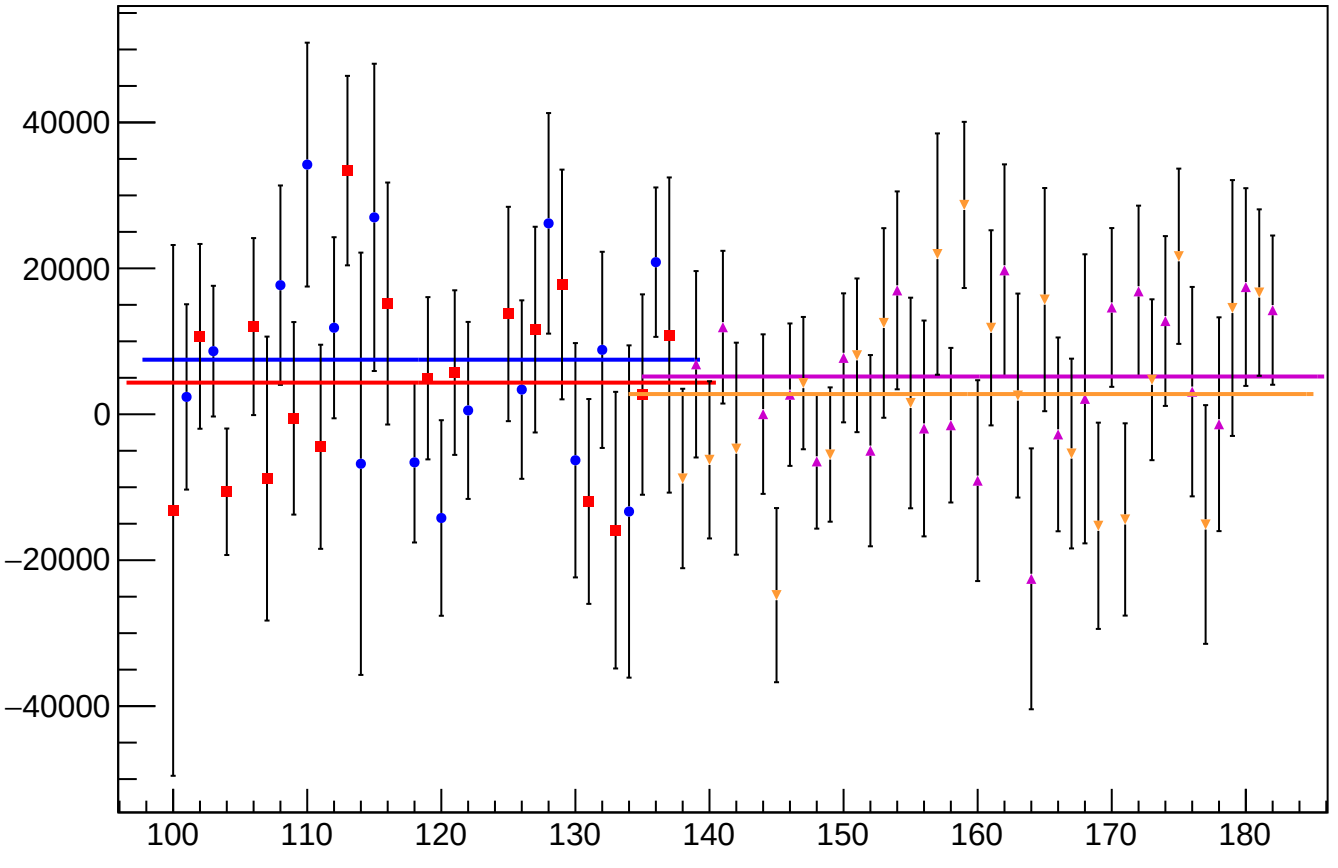
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -1068.714+/-2038.364 χ^2/NDF:28.0/37

Out: -170.028+/-2010.698 χ^2/NDF:43.2/39

All: -613.231+/-1431.459 χ^2/NDF: 71.4/77


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 8660.711+/-2.313 χ²/NDF: 357964.1/15
Left Out: 10988.710+/-1.898 χ²/NDF:1041887.9/21
Right Out: 8047.442+/-2.146 χ²/NDF: 558557.8/17
Left In: 10846.164+/-1.843 χ²/NDF:1184864.0/21
Left: 10915.332+/-1.322 χ²/NDF: 2229655.6/43
Right: 8331.123+/-1.573 χ²/NDF: 954287.4/33
In: 9997.870+/-1.441 χ²/NDF:2088832.5/37
Out: 9698.051+/-1.422 χ²/NDF:2654327.1/39
All: 9845.912+/-1.012 χ²/NDF: 4765090.0/77



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2772.609+/-2639.364 χ^2/NDF:25.9/21

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 5177.236+/-2561.781 χ^2/NDF:13.3/21

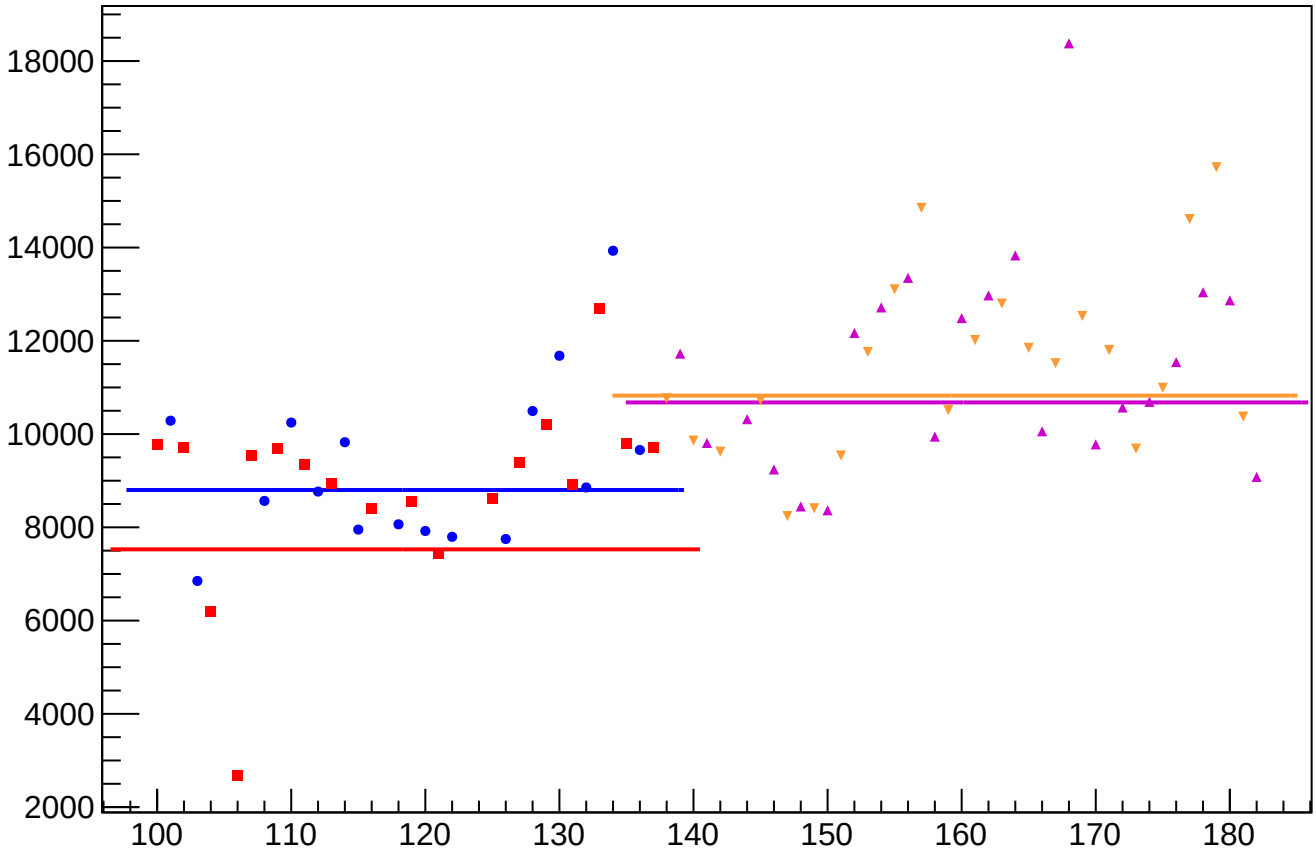
Left: 4010.783+/-1838.269 χ^2/NDF: 39.6/43

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 6033.746+/-2030.665 χ^2/NDF:27.6/37

Out: 3396.495+/-2046.984 χ^2/NDF:40.4/39

All: 4725.675+/-1441.632 χ^2/NDF: 68.8/77



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10825.572+/-1.866 χ^2/NDF:938870.0/21

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10678.843+/-1.811 χ^2/NDF:1099777.9/21

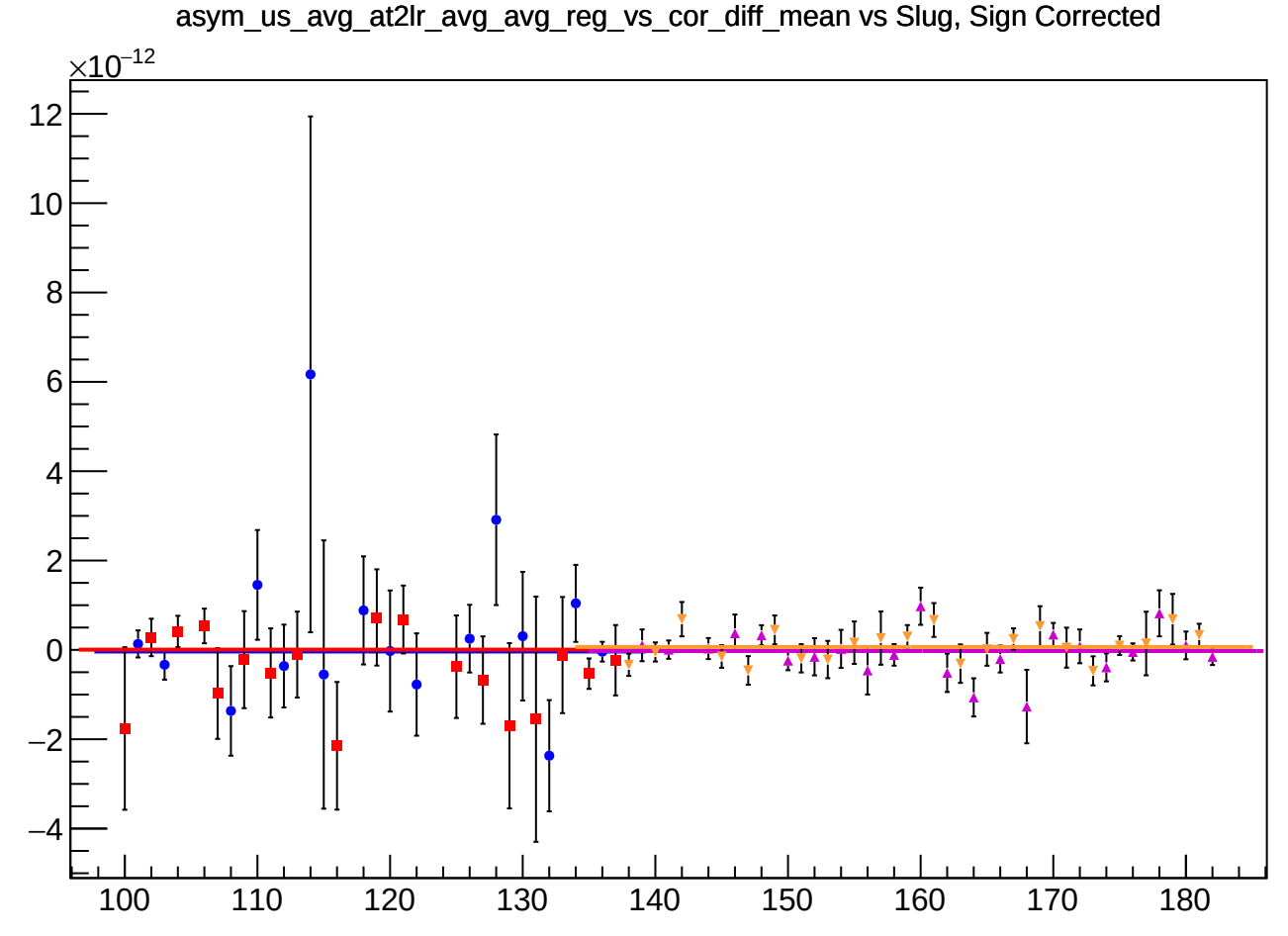
Left: 10750.020+/-1.300 χ^2/NDF: 2041830.5/43

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9980.936+/-1.436 χ^2/NDF:1893732.7/37

Out: 9392.064+/-1.403 χ^2/NDF:3953394.5/39

All: 9679.725+/-1.004 χ^2/NDF: 5933156.6/77



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:27.9/21

Left: 0.000+/-0.000 χ^2/NDF: 51.3/43

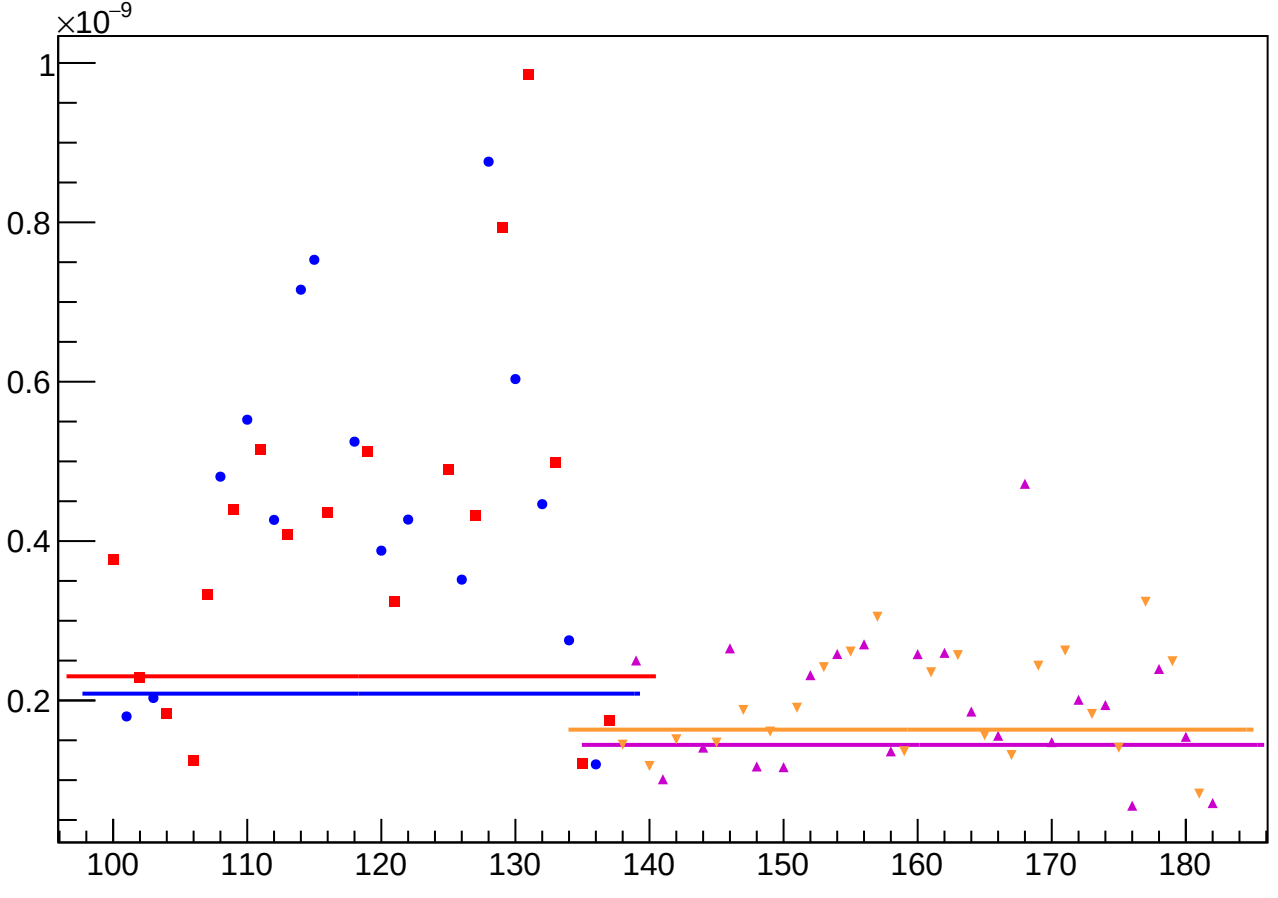
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:42.2/37

Out: 0.000+/-0.000 χ^2/NDF:36.2/39

All: 0.000+/-0.000 χ^2/NDF: 79.4/77

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:1177064.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2276134.6/21

Left: 0.000+/-0.000 χ^2/NDF: 3540237.6/43

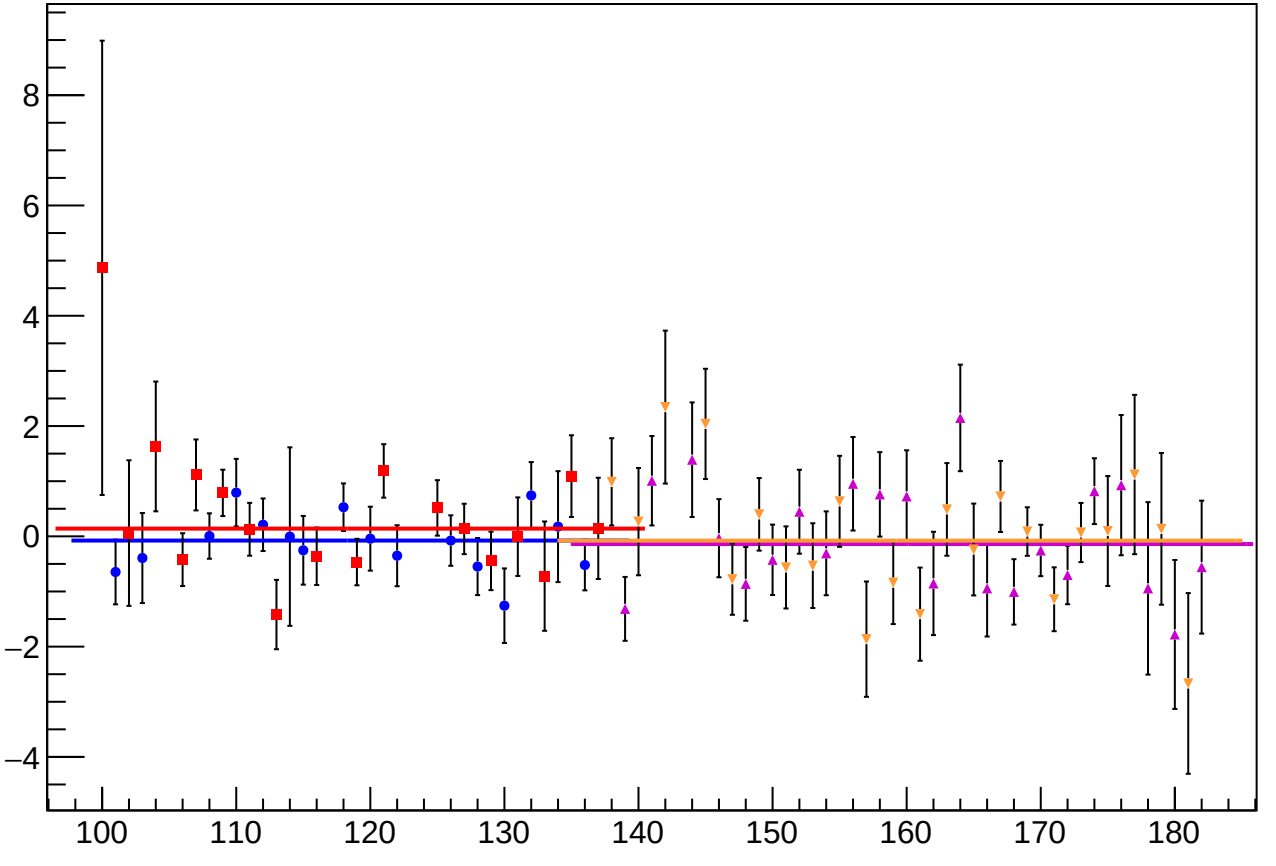
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:4254028.8/37

Out: 0.000+/-0.000 χ^2/NDF:3046650.4/39

All: 0.000+/-0.000 χ^2/NDF: 7406892.5/77

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: -0.078+/-0.164 χ^2/NDF:28.0/21

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.140+/-0.159 χ^2/NDF:29.9/21

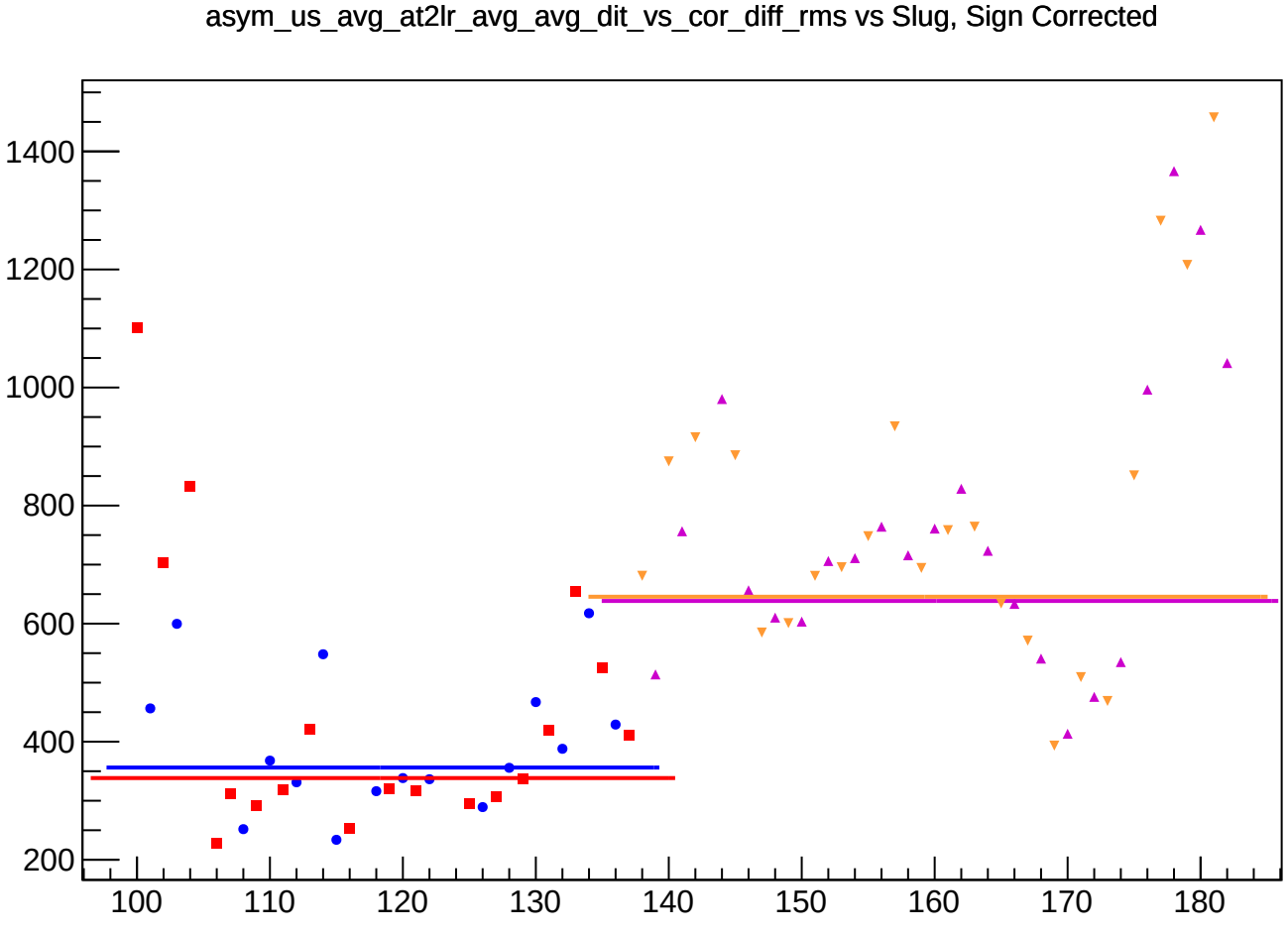
Left: -0.110+/-0.114 χ^2/NDF: 58.0/43

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

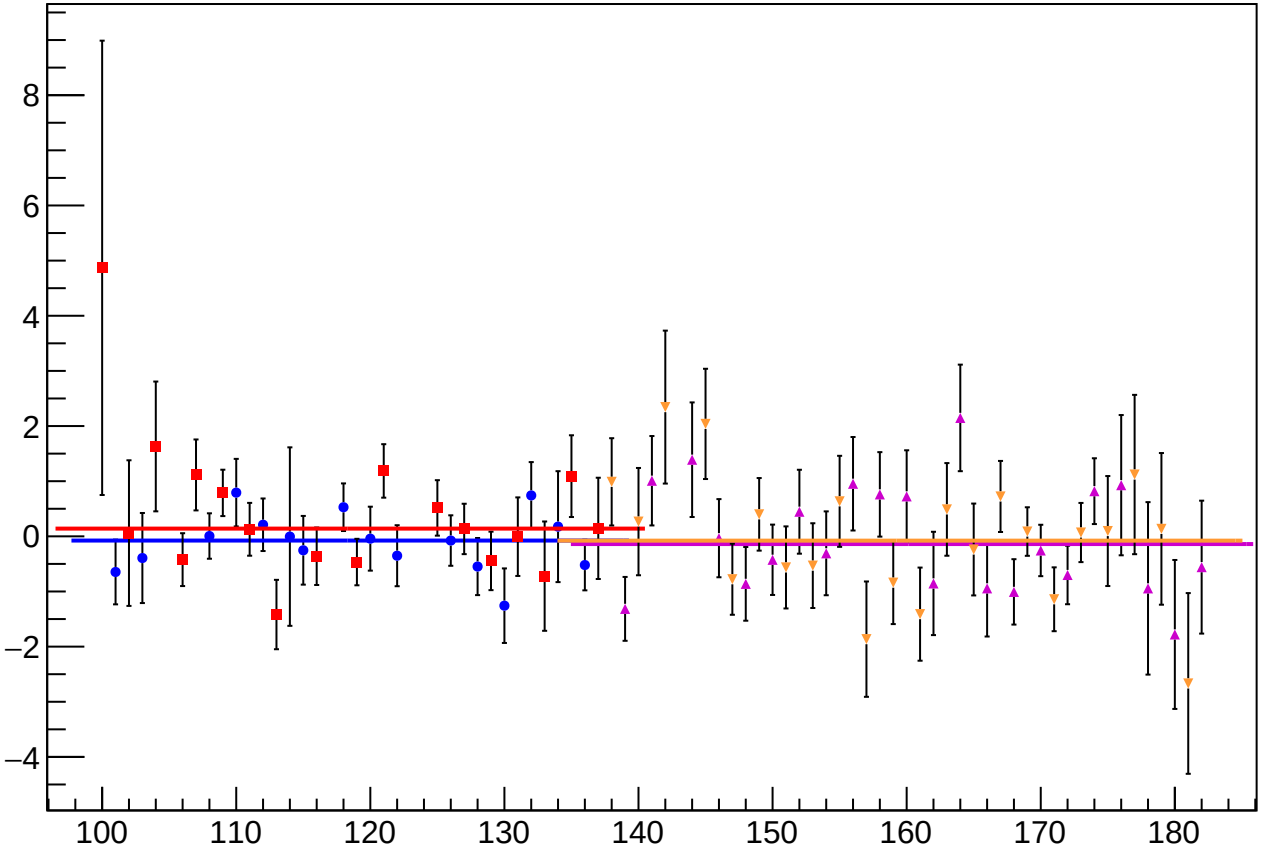
In: -0.104+/-0.105 χ^2/NDF:42.5/37

Out: 0.050+/-0.106 χ^2/NDF:56.0/39

All: -0.028+/-0.074 χ^2/NDF: 99.6/77


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 645.578+/-0.116 χ²/NDF:2923167.6/21
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 638.410+/-0.112 χ²/NDF:2618835.1/21
Left: 641.878+/-0.081 χ²/NDF: 5543976.2/43
Right: 347.176+/-0.069 χ²/NDF: 2004764.4/33
In: 479.587+/-0.074 χ²/NDF:6962590.9/37
Out: 465.781+/-0.075 χ²/NDF:8236967.0/39
All: 472.724+/-0.053 χ²/NDF: 15216763.4/77

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: -0.078+/-0.164 χ^2/NDF:28.0/21

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.140+/-0.159 χ^2/NDF:29.9/21

Left: -0.110+/-0.114 χ^2/NDF: 58.0/43

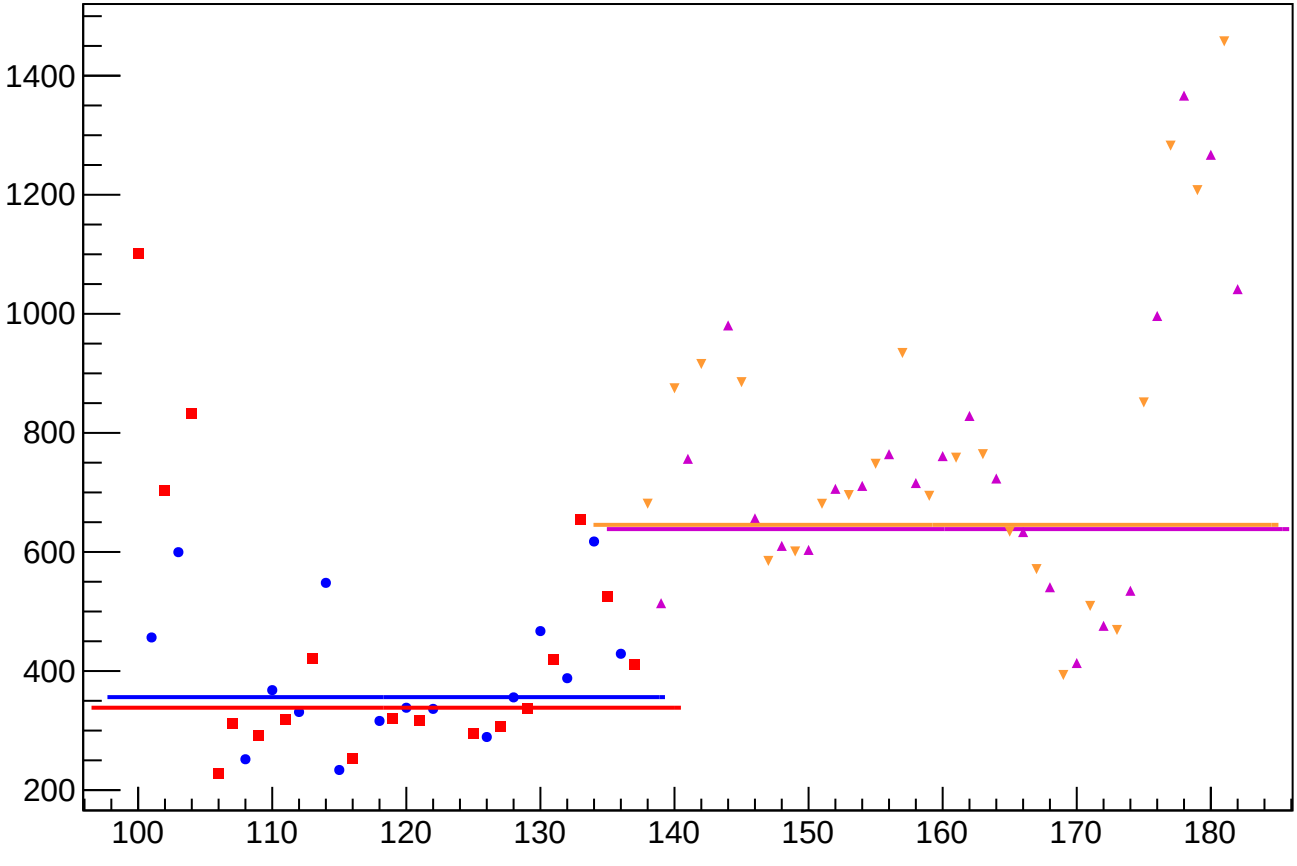
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.104+/-0.105 χ^2/NDF:42.5/37

Out: 0.050+/-0.106 χ^2/NDF:56.0/39

All: -0.028+/-0.074 χ^2/NDF: 99.6/77

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: 645.578+/-0.116 χ^2/NDF:2923167.6/21

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 638.410+/-0.112 χ^2/NDF:2618835.1/21

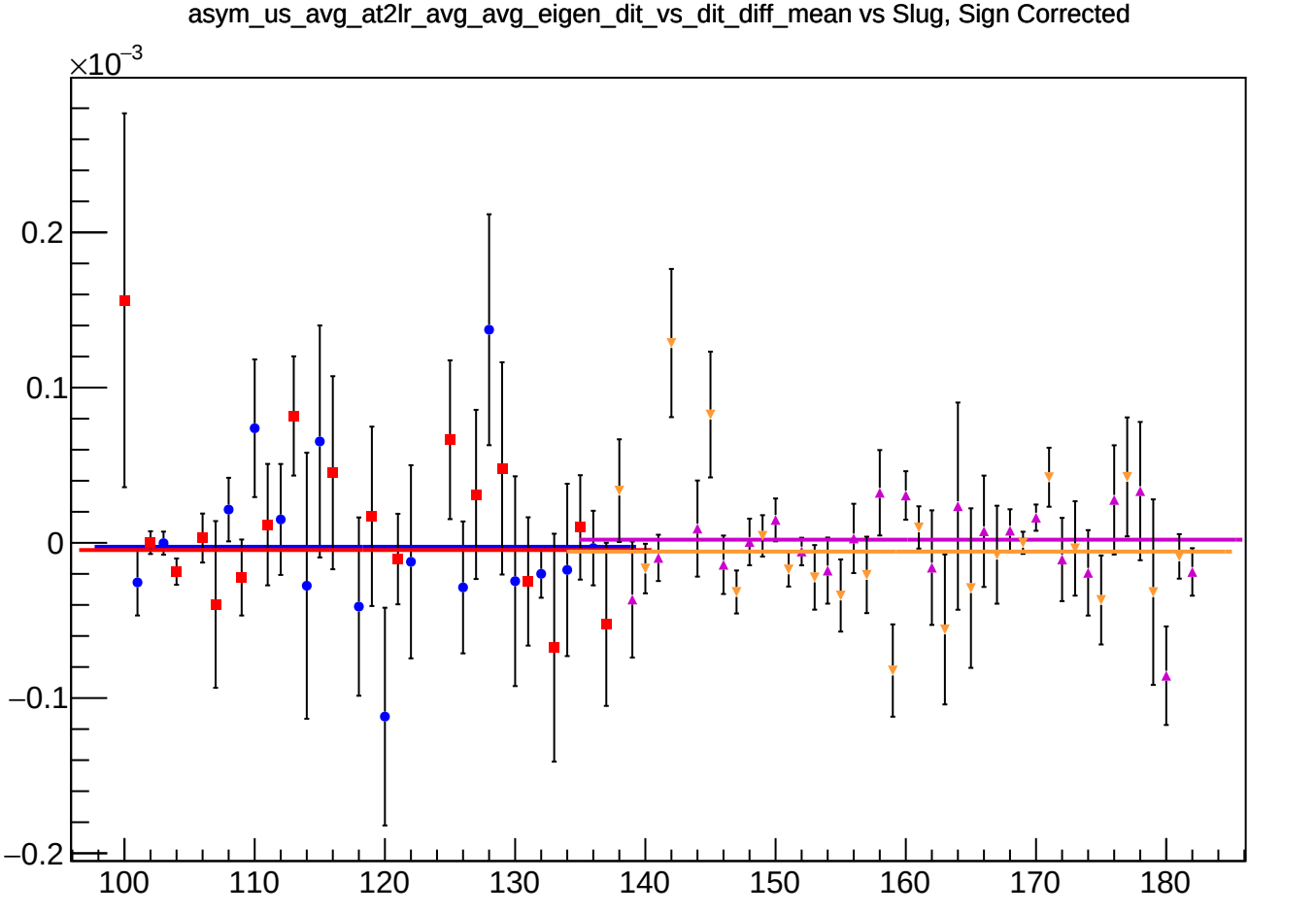
Left: 641.878+/-0.081 χ^2/NDF: 5543976.2/43

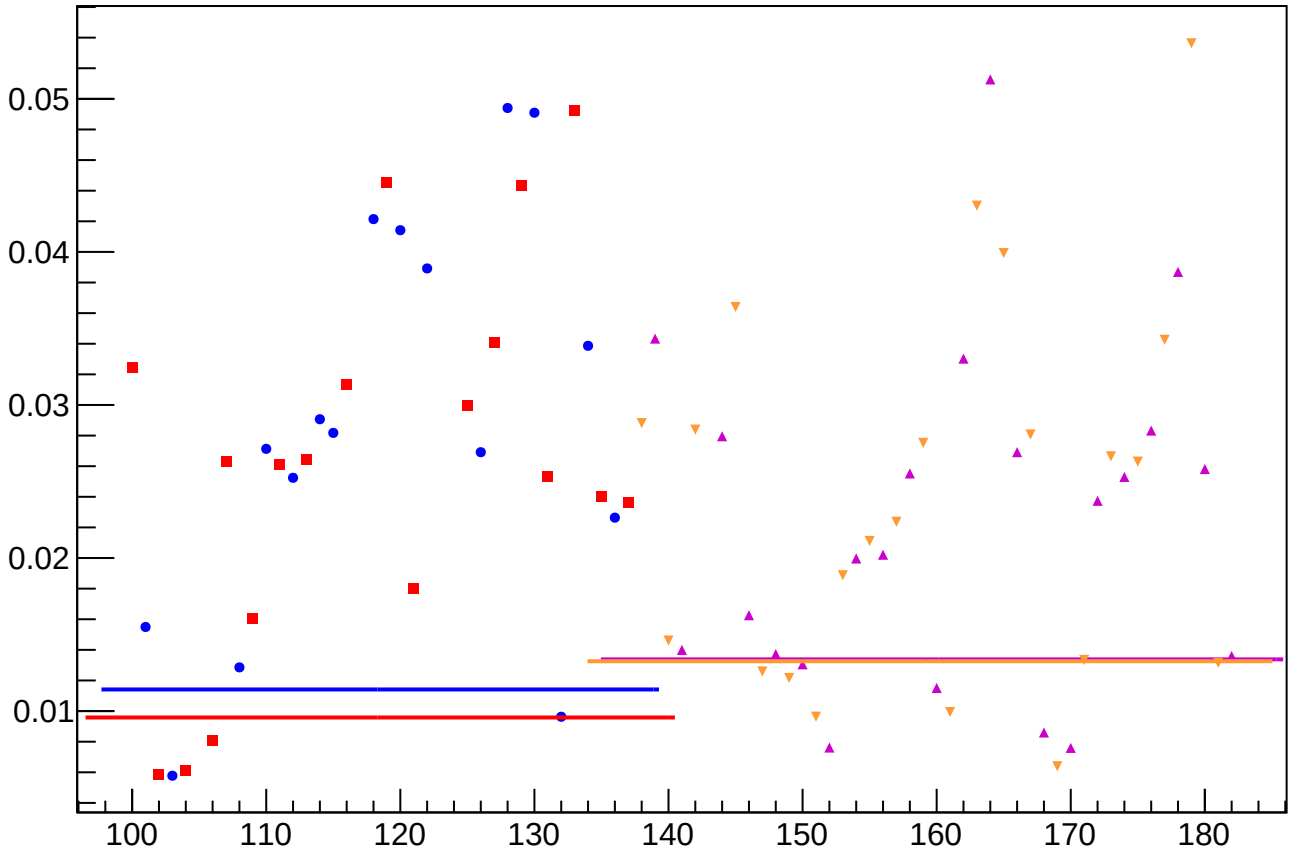
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 479.587+/-0.074 χ^2/NDF:6962590.9/37

Out: 465.781+/-0.075 χ^2/NDF:8236967.0/39

All: 472.724+/-0.053 χ^2/NDF: 15216763.4/77


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:41.4/21
Right Out: -0.000+/-0.000 χ²/NDF: 17.1/17
Left In: 0.000+/-0.000 χ²/NDF:24.2/21
Left: -0.000+/-0.000 χ²/NDF: 67.7/43
Right: -0.000+/-0.000 χ²/NDF: 32.2/33
In: 0.000+/-0.000 χ²/NDF:39.7/37
Out: -0.000+/-0.000 χ²/NDF:58.6/39
All: -0.000+/-0.000 χ²/NDF: 100.1/77



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:8677002.8/21

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:7427109.0/21

Left: 0.013+/-0.000 χ^2/NDF: 16105180.9/43

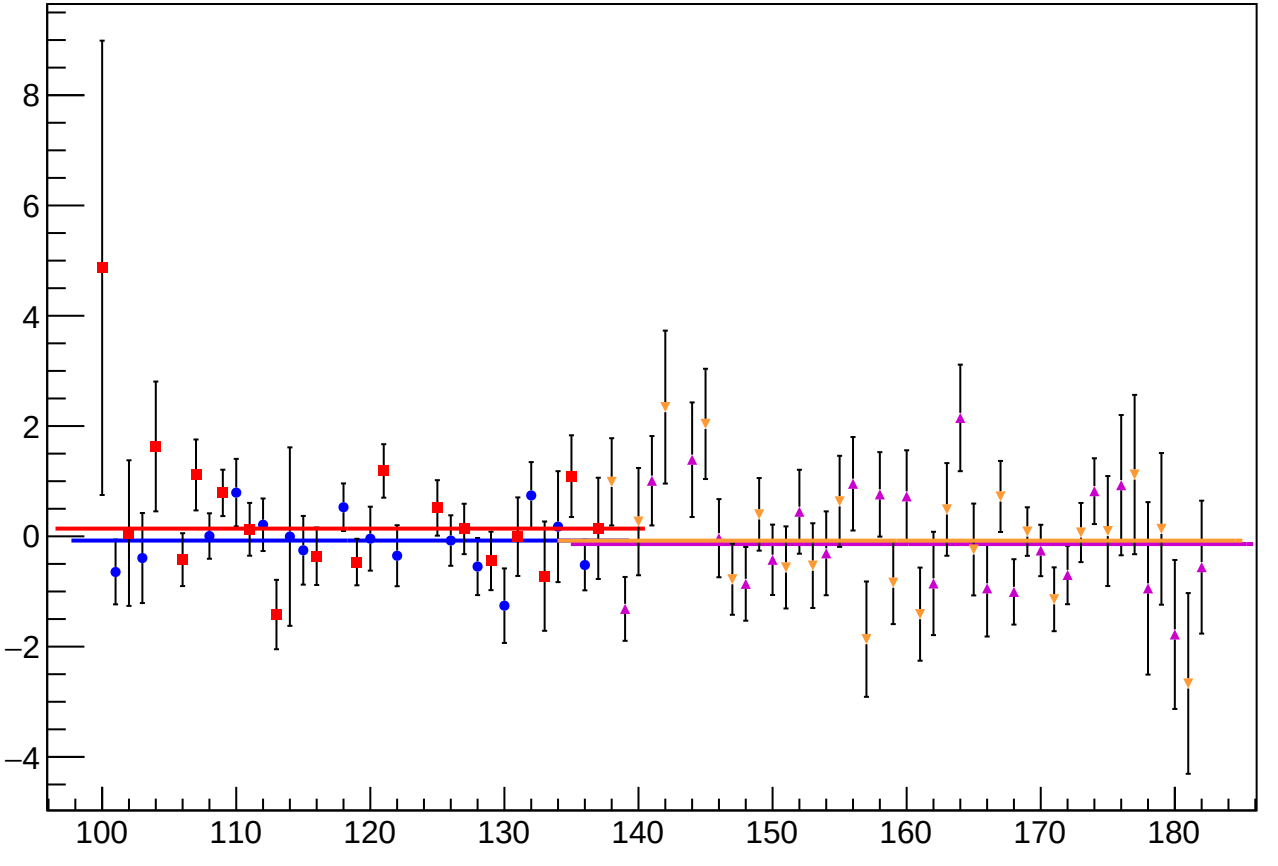
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:13099868.2/37

Out: 0.012+/-0.000 χ^2/NDF:15201293.9/39

All: 0.012+/-0.000 χ^2/NDF: 28399158.7/77

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: -0.078+/-0.164 χ^2/NDF:28.0/21

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.140+/-0.159 χ^2/NDF:29.9/21

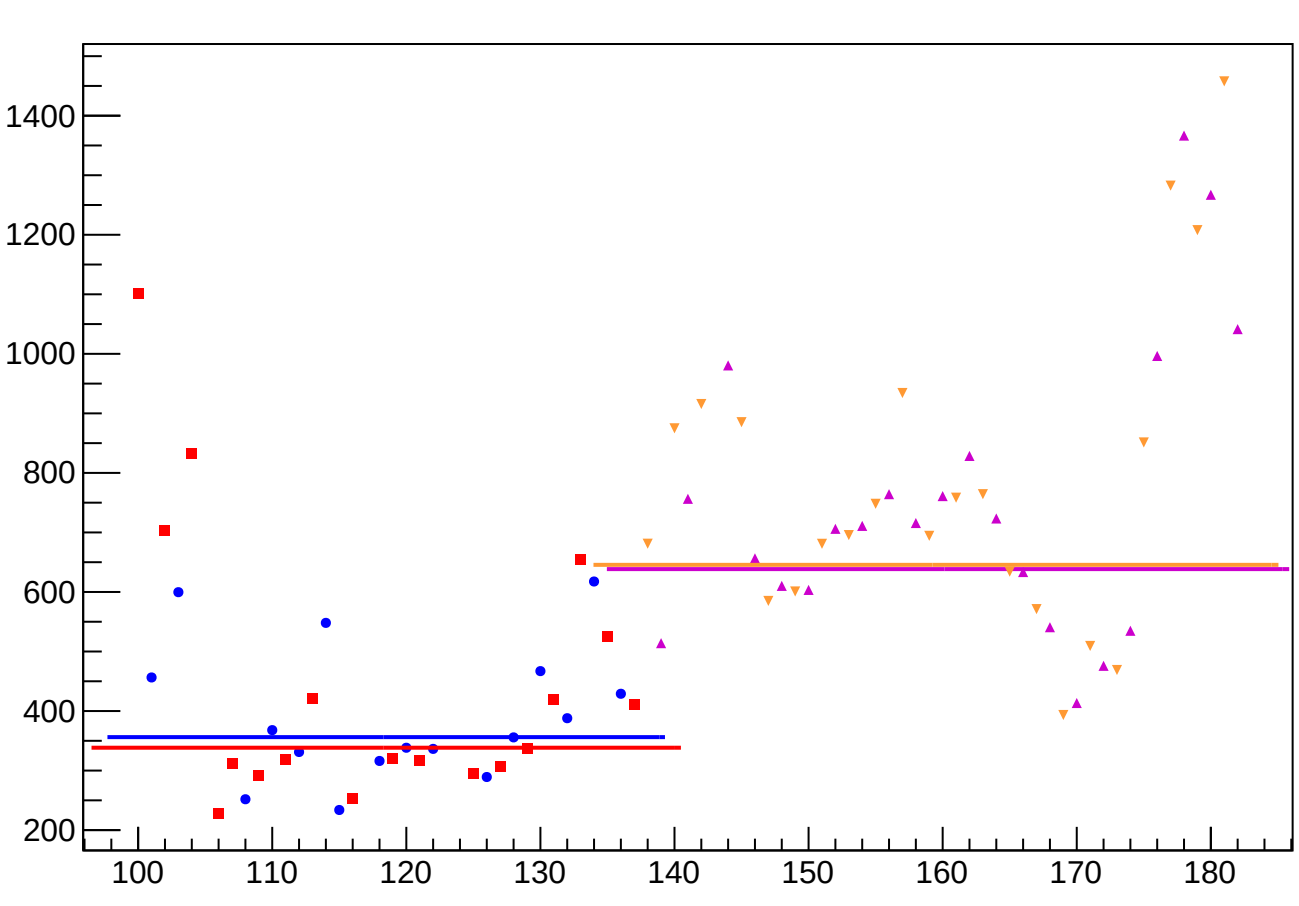
Left: -0.110+/-0.114 χ^2/NDF: 58.0/43

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.104+/-0.105 χ^2/NDF:42.5/37

Out: 0.050+/-0.106 χ^2/NDF:56.0/39

All: -0.028+/-0.074 χ^2/NDF: 99.6/77



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 645.578+/-0.116 χ^2/NDF:2923380.3/21

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 638.413+/-0.112 χ^2/NDF:2618984.2/21

Left: 641.880+/-0.081 χ^2/NDF: 5544336.5/43

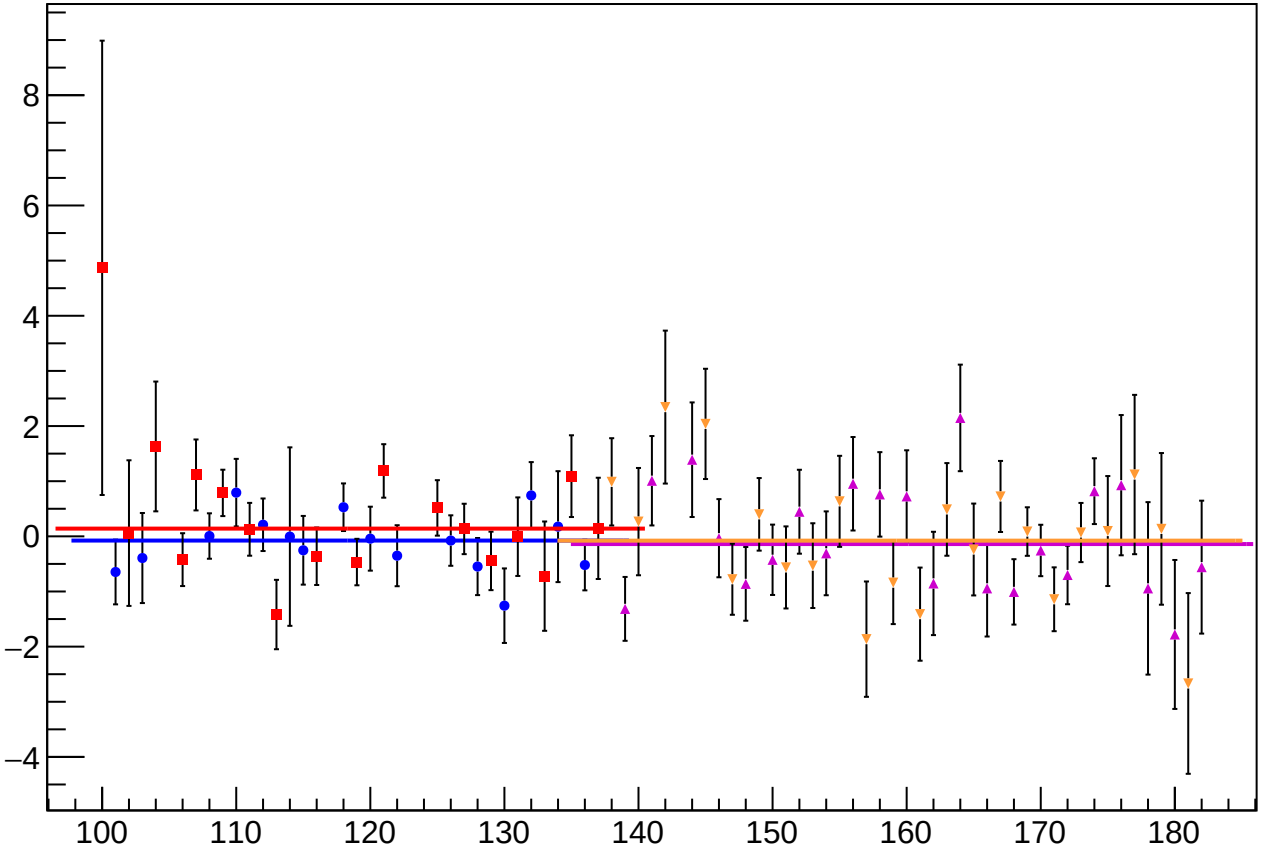
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 479.586+/-0.074 χ^2/NDF:6962801.7/37

Out: 465.778+/-0.075 χ^2/NDF:8237224.6/39

All: 472.722+/-0.053 χ^2/NDF: 15217235.6/77

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: -0.078+/-0.164 χ^2/NDF:28.0/21

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.140+/-0.159 χ^2/NDF:29.9/21

Left: -0.110+/-0.114 χ^2/NDF: 58.0/43

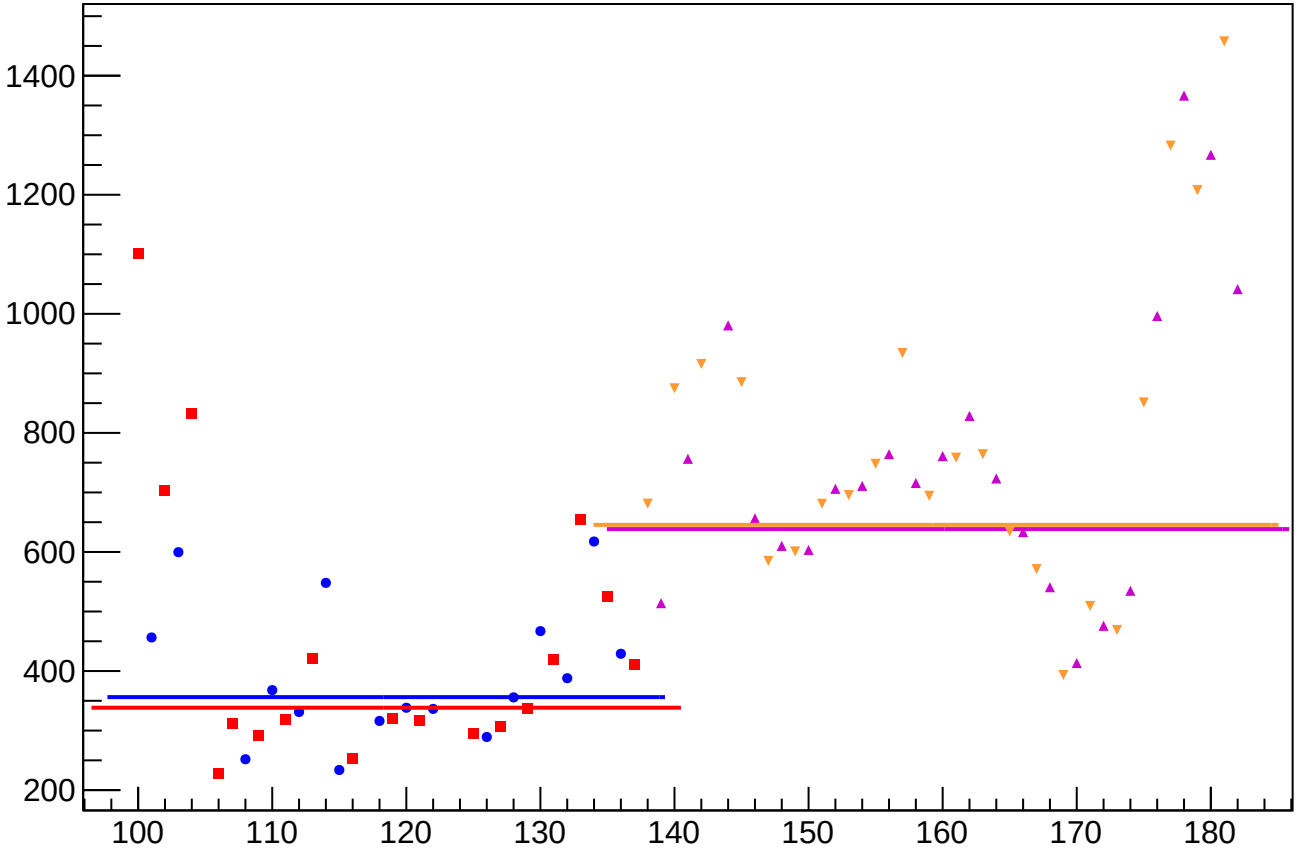
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.104+/-0.105 χ^2/NDF:42.5/37

Out: 0.050+/-0.106 χ^2/NDF:56.0/39

All: -0.028+/-0.074 χ^2/NDF: 99.6/77

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 645.578+/-0.116 χ^2/NDF:2923380.3/21

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 638.413+/-0.112 χ^2/NDF:2618984.2/21

Left: 641.880+/-0.081 χ^2/NDF: 5544336.5/43

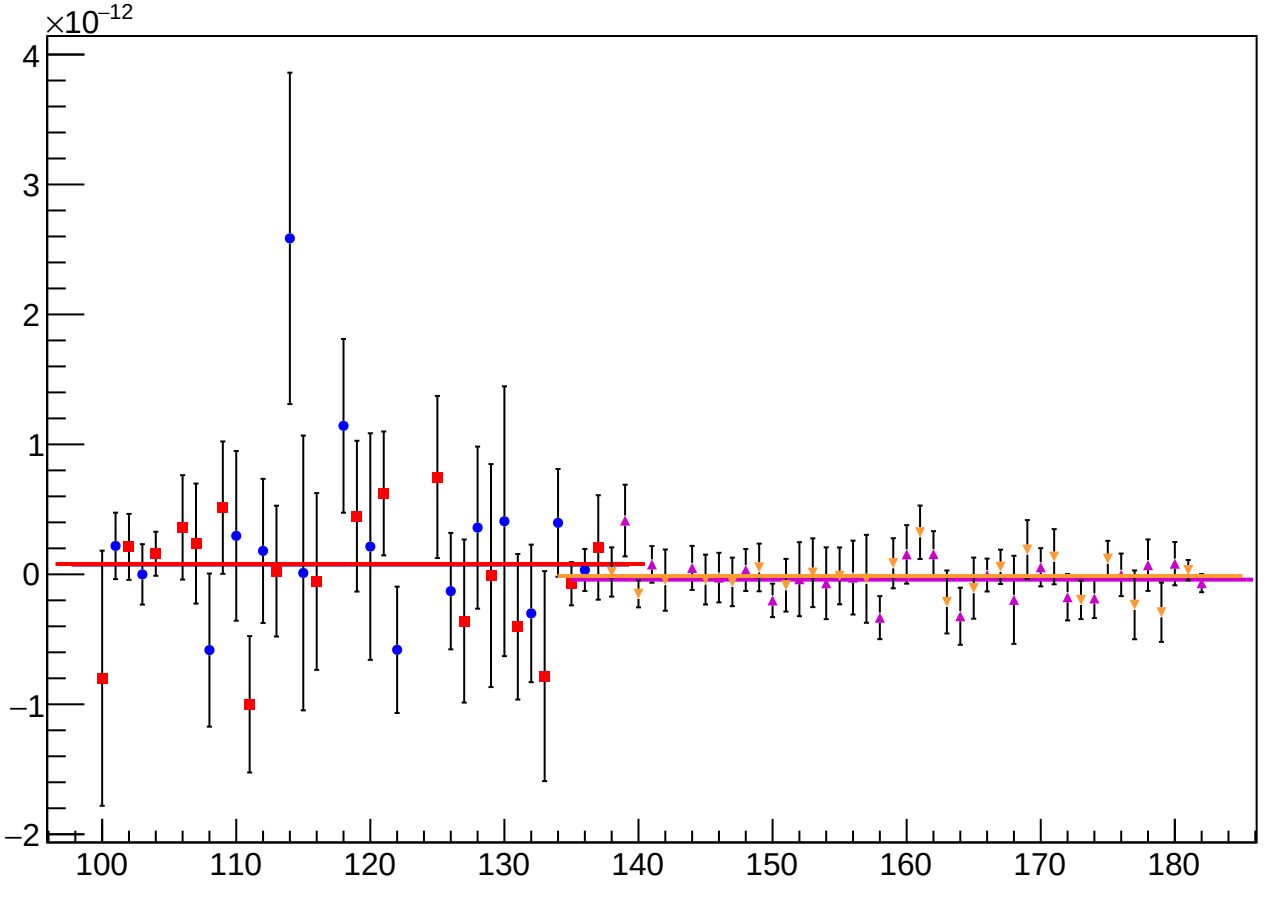
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 479.586+/-0.074 χ^2/NDF:6962801.7/37

Out: 465.778+/-0.075 χ^2/NDF:8237224.6/39

All: 472.722+/-0.053 χ^2/NDF: 15217235.6/77

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:12.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:15.5/21

Left: -0.000+/-0.000 χ^2/NDF: 28.3/43

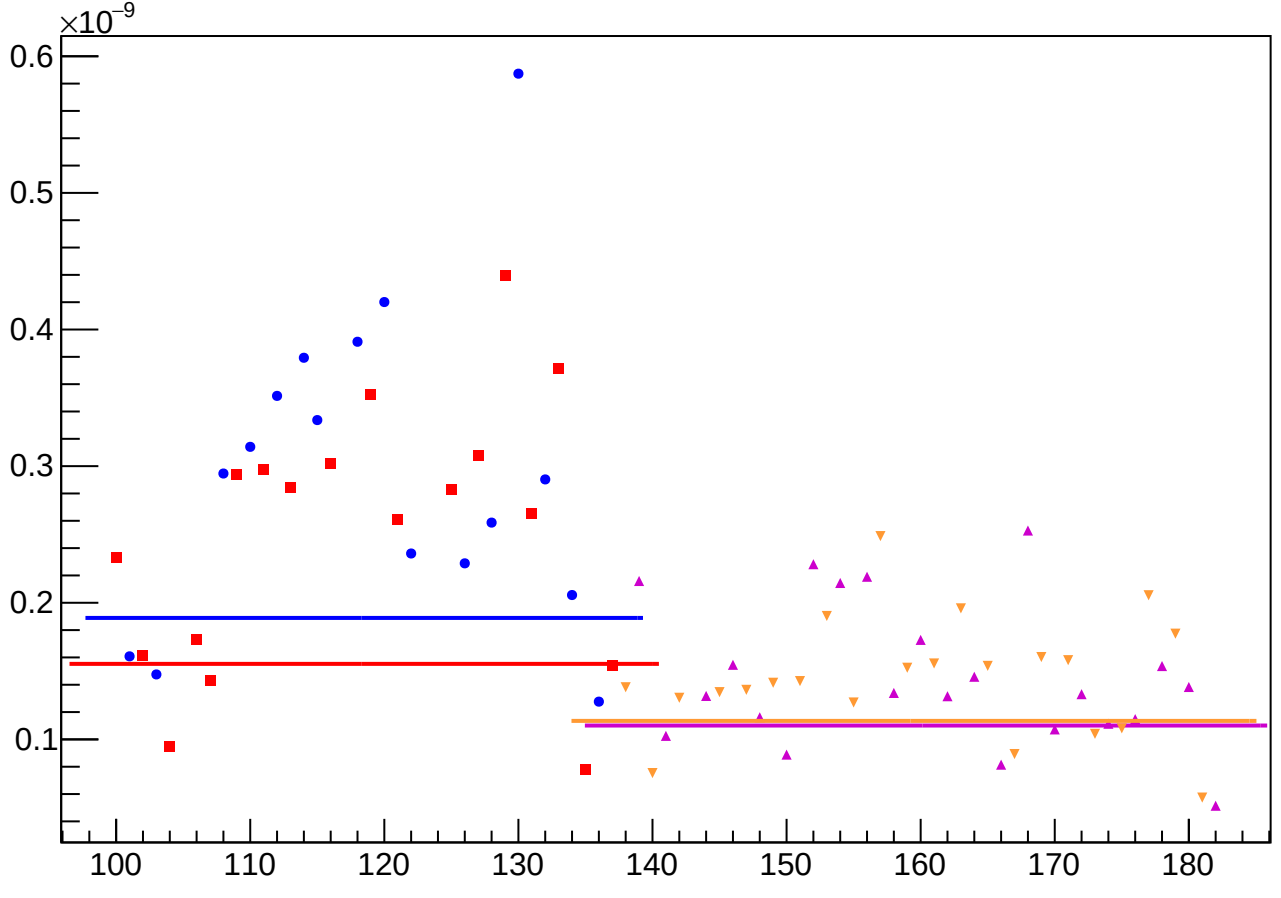
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:28.5/37

Out: 0.000+/-0.000 χ^2/NDF:26.6/39

All: -0.000+/-0.000 χ^2/NDF: 55.5/77

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3094658.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:3763771.3/21

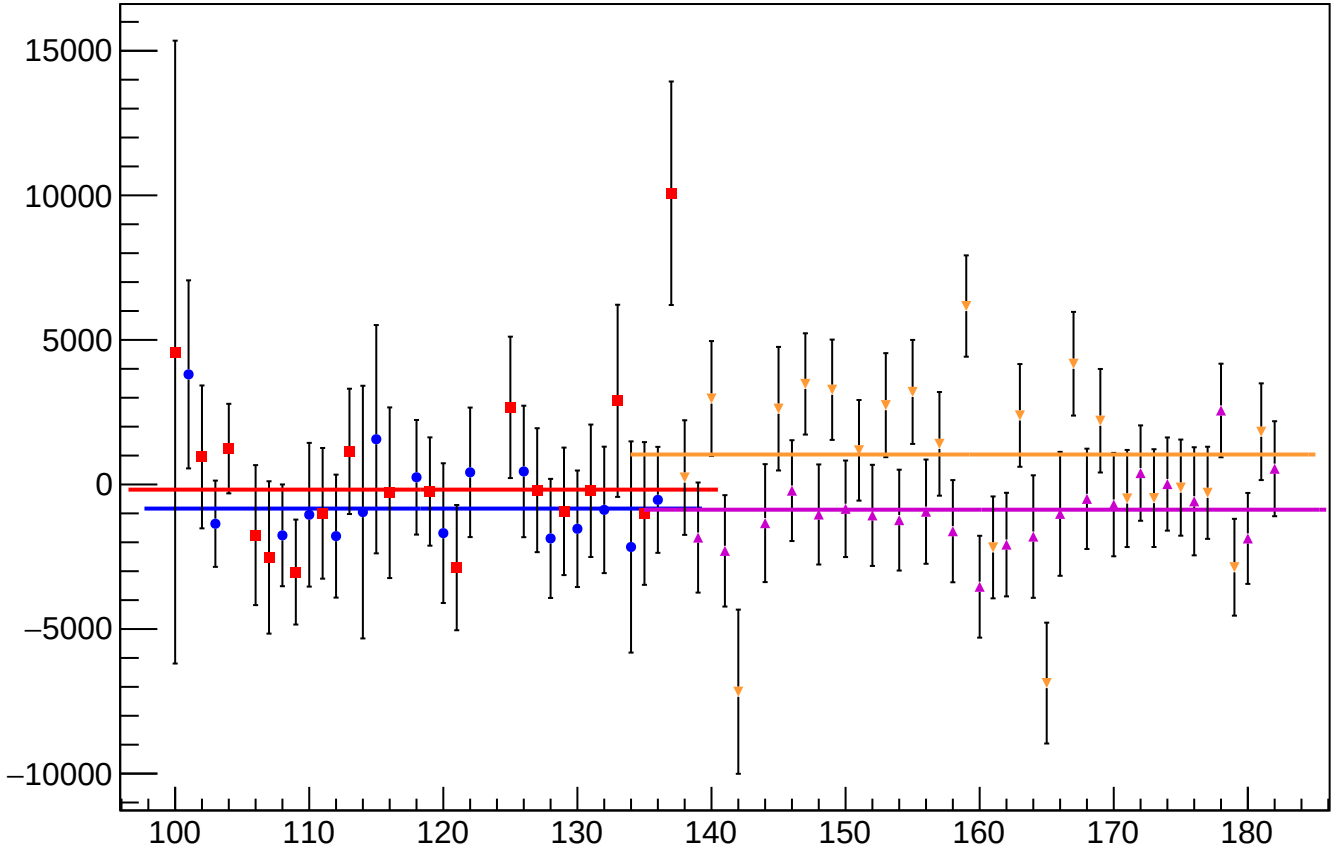
Left: 0.000+/-0.000 χ^2/NDF: 6867896.6/43

Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:6472857.8/37

Out: 0.000+/-0.000 χ^2/NDF:5700525.0/39

All: 0.000+/-0.000 χ^2/NDF: 12174294.4/77



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1036.570+/-384.633 χ^2/NDF:54.7/21

Right Out: -178.292+/-547.824 χ^2/NDF: 16.5/17

Left In: -872.096+/-377.817 χ^2/NDF:10.8/21

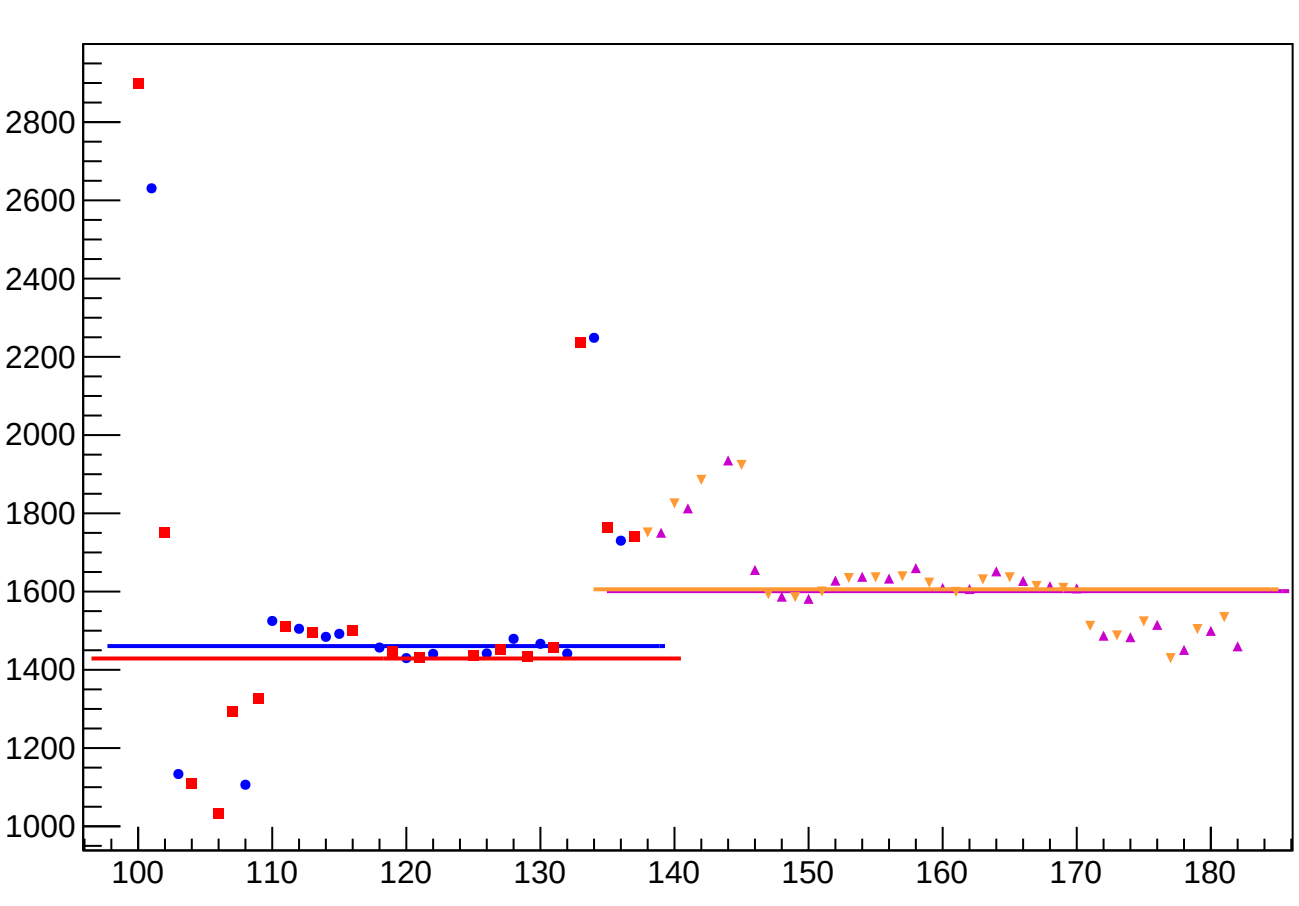
Left: 65.177+/-269.535 χ^2/NDF: 78.1/43

Right: -501.721+/-389.824 χ^2/NDF: 21.8/33

In: -859.862+/-312.288 χ^2/NDF:15.4/37

Out: 635.436+/-314.791 χ^2/NDF:74.5/39

All: -118.181+/-221.701 χ^2/NDF: 101.2/77



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1605.796+/-0.272 χ^2/NDF:158245.0/21

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1601.066+/-0.267 χ^2/NDF:162997.5/21

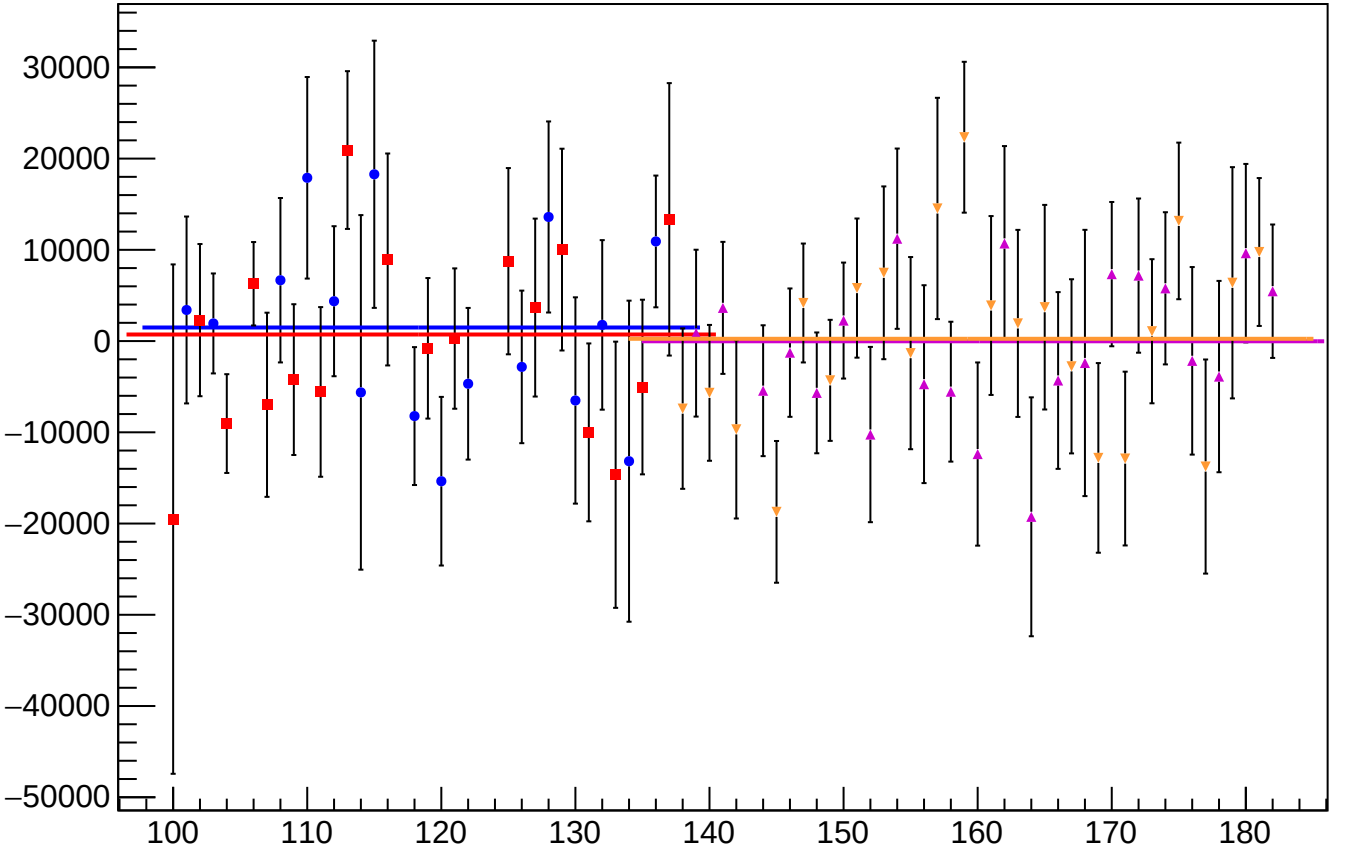
Left: 1603.389+/-0.191 χ^2/NDF: 321396.5/43

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1556.583+/-0.221 χ^2/NDF:826245.4/37

Out: 1546.819+/-0.222 χ^2/NDF:710527.2/39

All: 1551.728+/-0.157 χ^2/NDF: 1537744.9/77



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: 249.182+/-1887.994 χ^2/NDF:28.0/21

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -22.827+/-1835.378 χ^2/NDF:13.6/21

Left: 109.334+/-1316.016 χ^2/NDF: 41.6/43

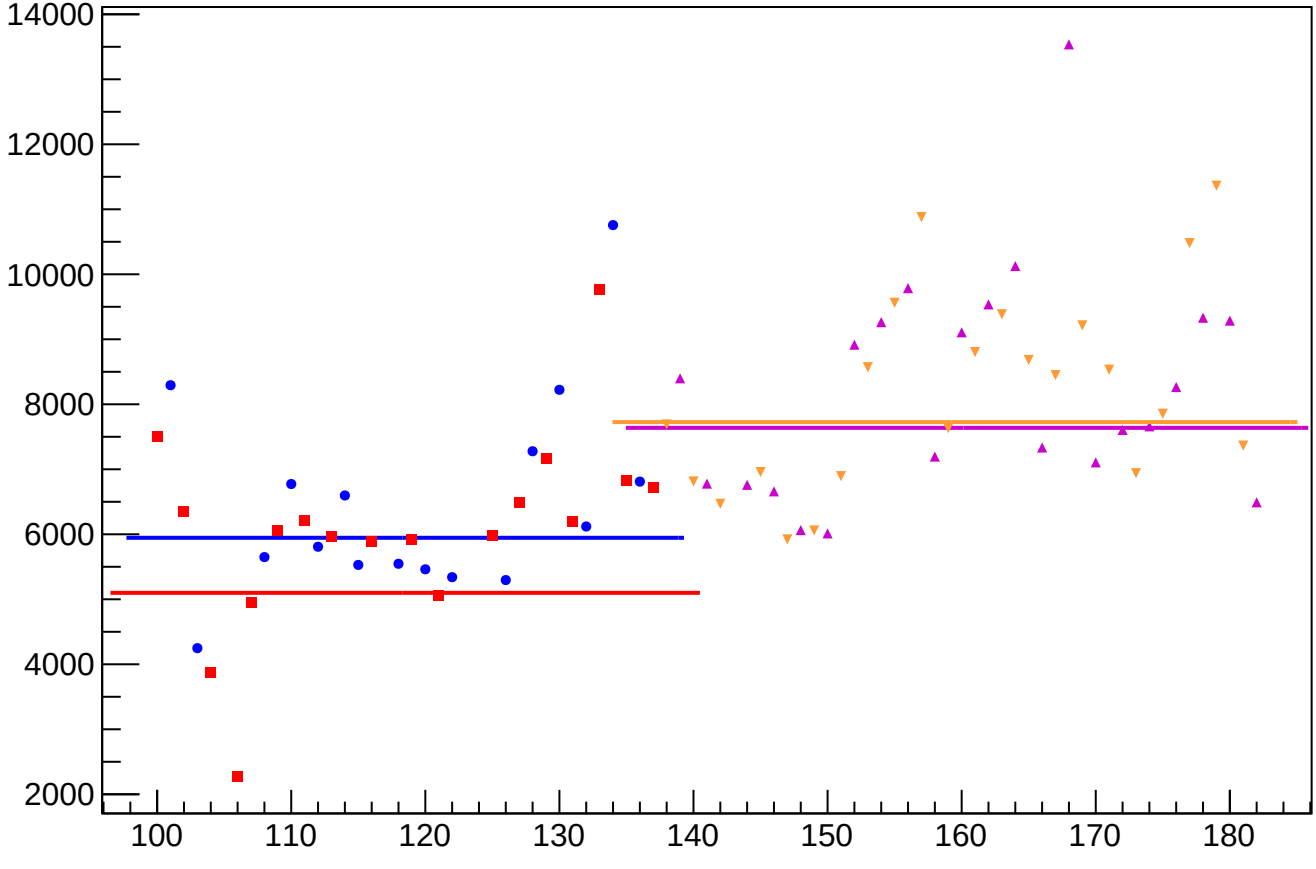
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 574.819+/-1426.736 χ^2/NDF:28.0/37

Out: 469.765+/-1376.625 χ^2/NDF:45.6/39

All: 520.415+/-990.663 χ^2/NDF: 73.6/77

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7725.994+/-1.335 χ^2/NDF:1055349.3/21

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7637.529+/-1.298 χ^2/NDF:1210954.9/21

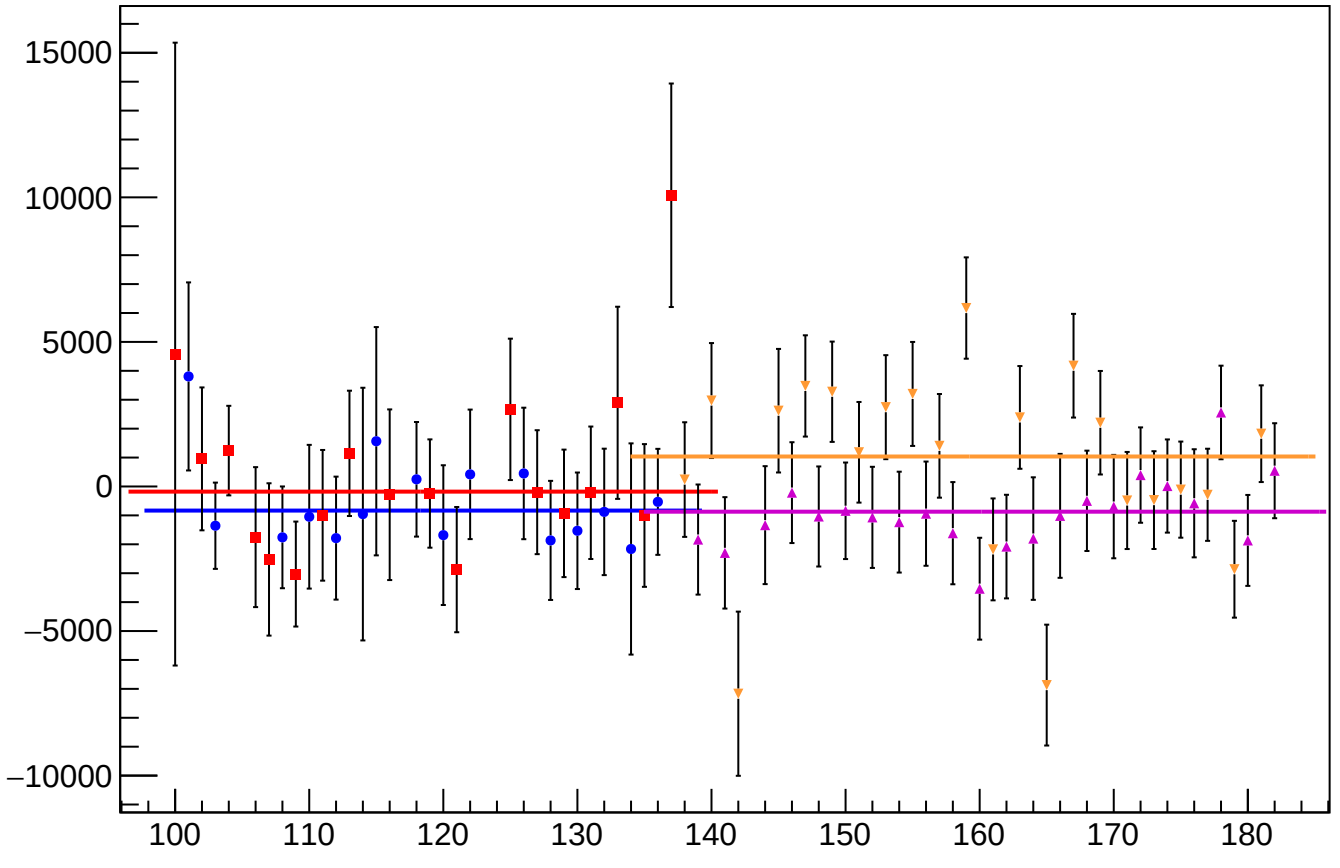
Left: 7680.511+/-0.931 χ^2/NDF: 2268561.8/43

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6968.184+/-1.009 χ^2/NDF:2524269.1/37

Out: 6495.830+/-0.973 χ^2/NDF:4348679.7/39

All: 6723.566+/-0.701 χ^2/NDF: 6986475.5/77



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1036.694+/-384.633 χ^2/NDF:54.7/21

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -871.990+/-377.817 χ^2/NDF:10.8/21

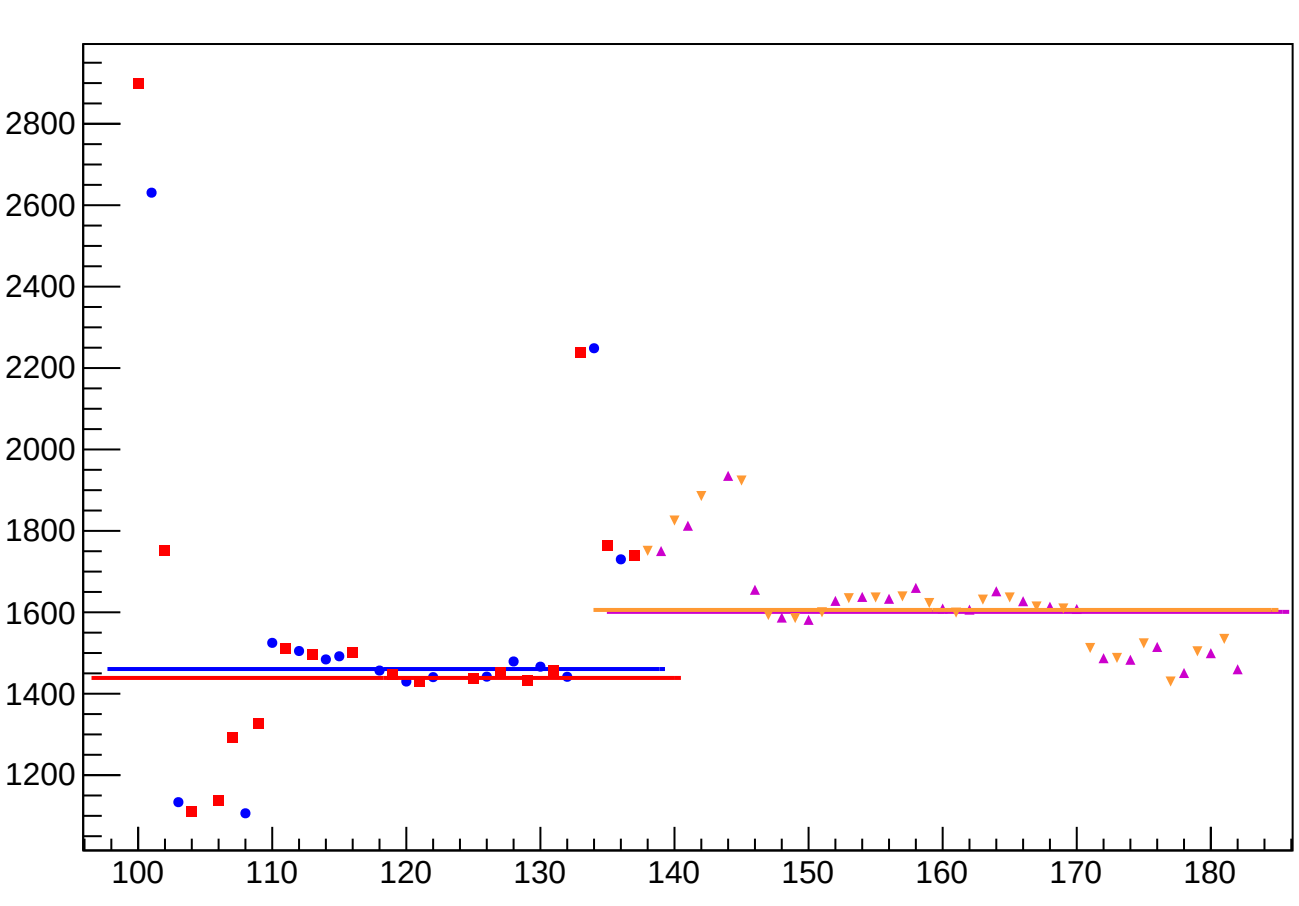
Left: 65.292+/-269.535 χ^2/NDF: 78.1/43

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -859.810+/-312.288 χ^2/NDF:15.4/37

Out: 635.571+/-314.791 χ^2/NDF:74.5/39

All: -118.088+/-221.701 χ^2/NDF: 101.2/77



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1605.796+/-0.272 χ^2/NDF:158245.0/21

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1601.066+/-0.267 χ^2/NDF:162997.5/21

Left: 1603.389+/-0.191 χ^2/NDF: 321396.4/43

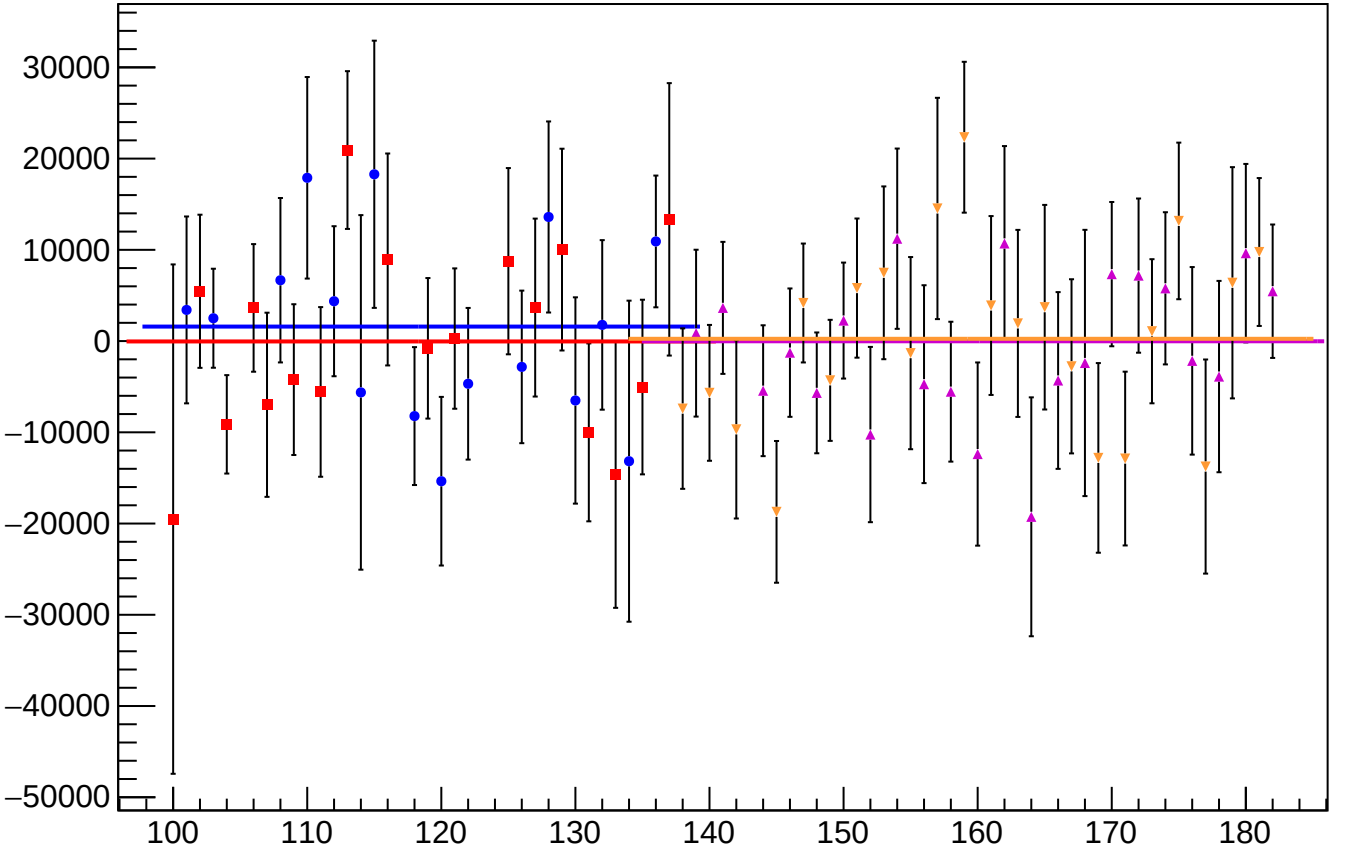
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1556.583+/-0.221 χ^2/NDF:826245.8/37

Out: 1550.475+/-0.222 χ^2/NDF:656540.4/39

All: 1553.551+/-0.157 χ^2/NDF: 1483166.1/77

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 249.206+/-1887.994 χ^2/NDF:28.0/21

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -22.842+/-1835.376 χ^2/NDF:13.6/21

Left: 109.338+/-1316.016 χ^2/NDF: 41.6/43

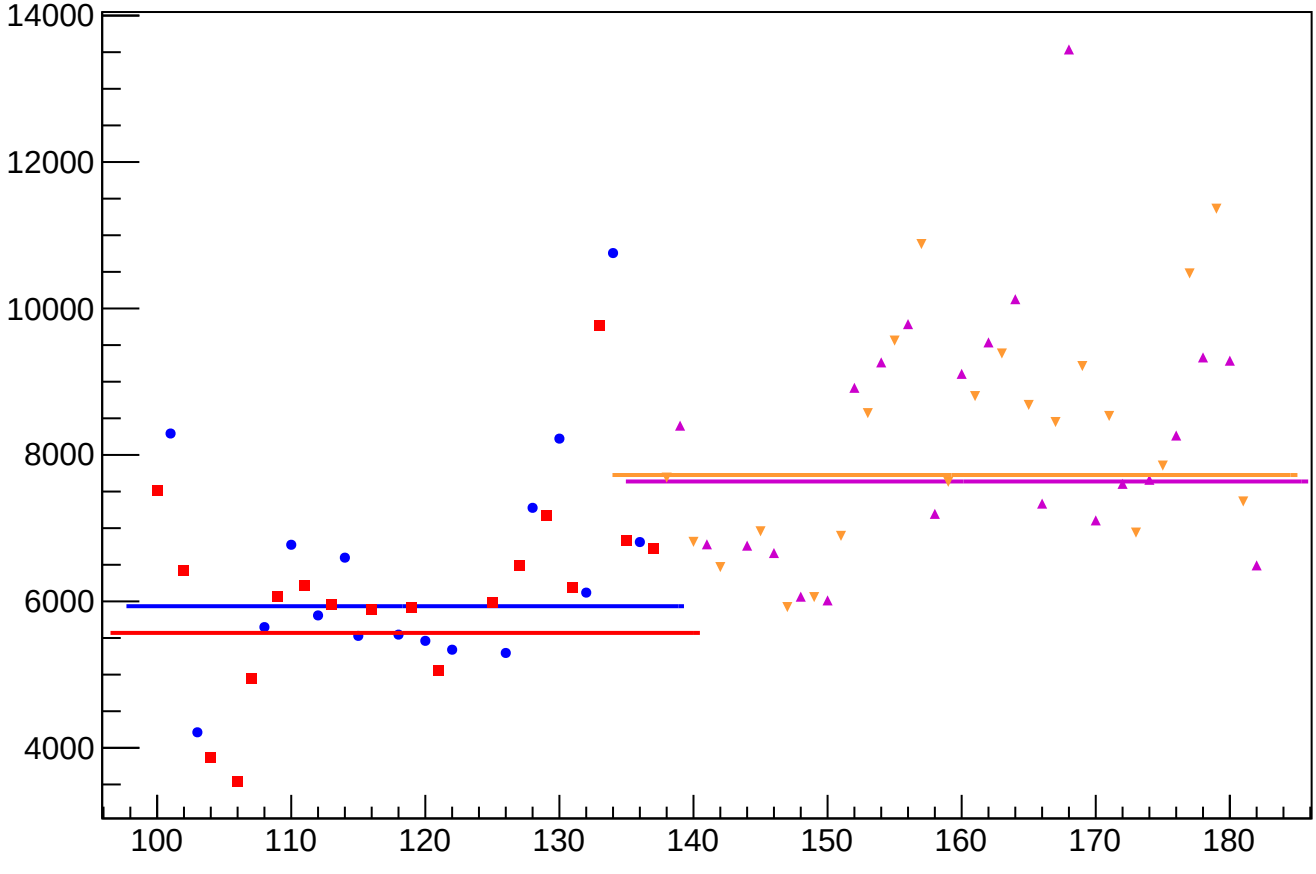
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 616.145+/-1425.796 χ^2/NDF:28.1/37

Out: 121.880+/-1413.747 χ^2/NDF:44.5/39

All: 366.915+/-1003.903 χ^2/NDF: 72.6/77

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7725.994+/-1.335 χ^2/NDF:1055350.1/21

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7637.521+/-1.298 χ^2/NDF:1210958.1/21

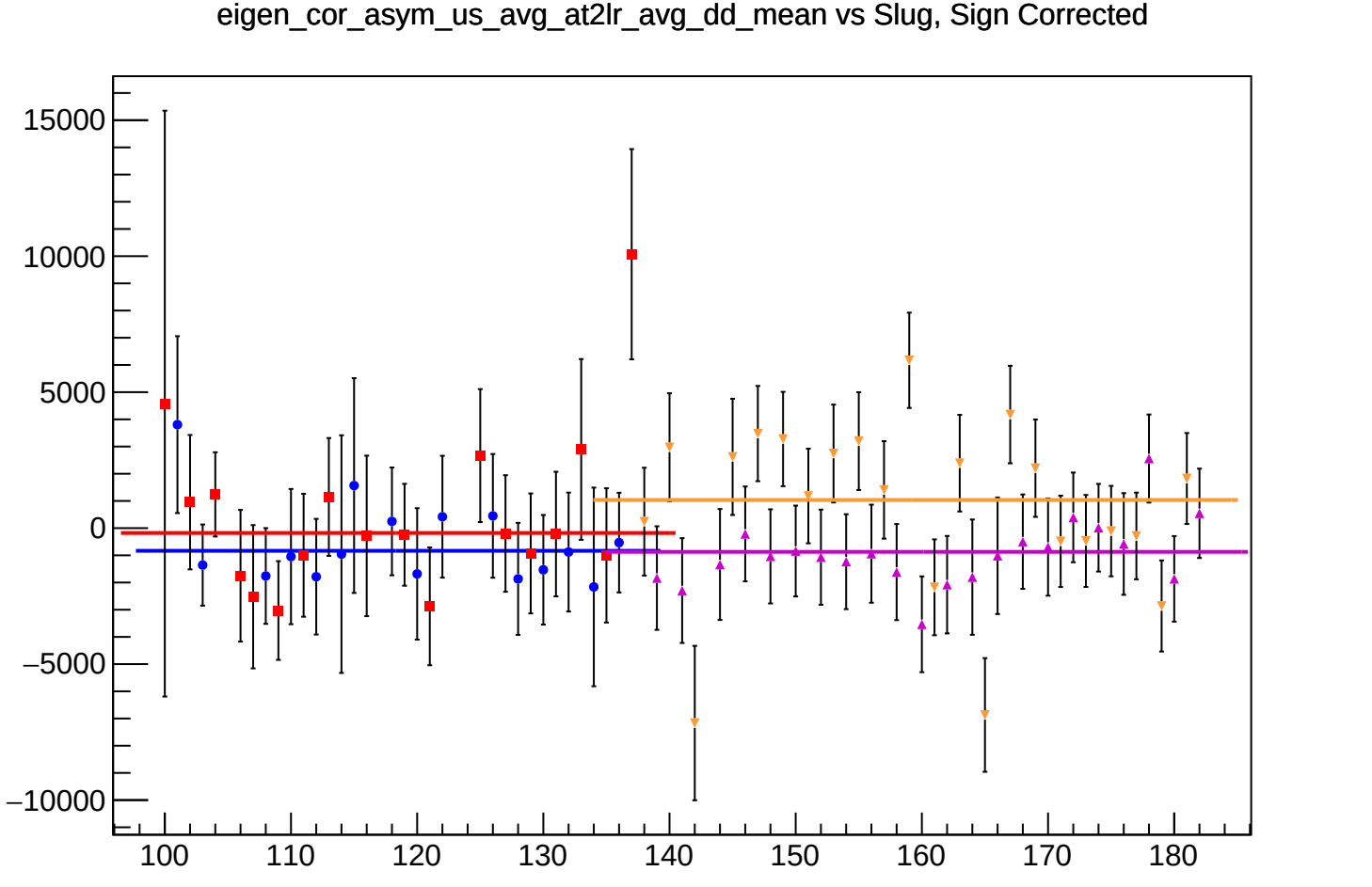
Left: 7680.508+/-0.931 χ^2/NDF: 2268566.2/43

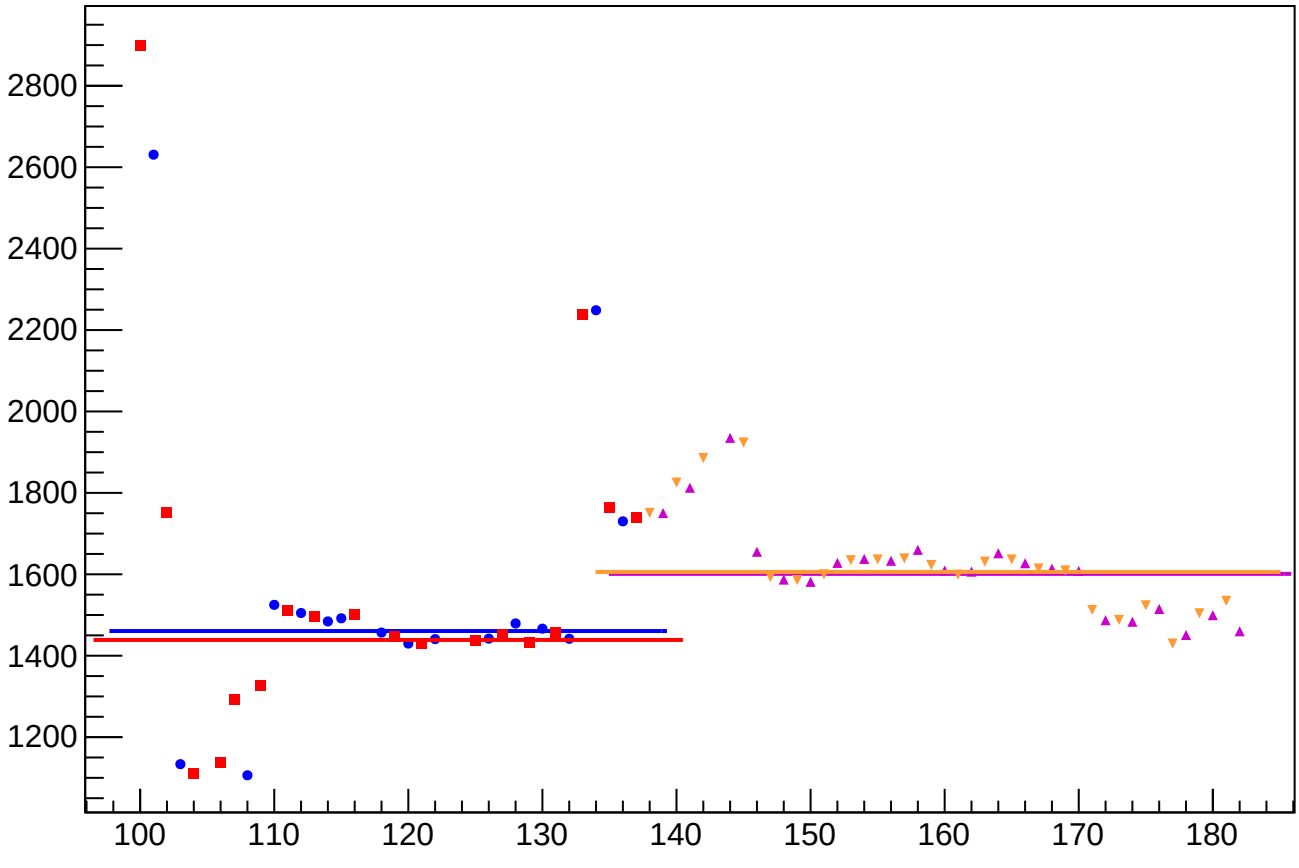
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6962.128+/-1.008 χ^2/NDF:2547056.5/37

Out: 6778.726+/-1.000 χ^2/NDF:2925515.3/39

All: 6869.649+/-0.710 χ^2/NDF: 5489258.3/77


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1036.694+/-384.633 χ²/NDF:54.7/21
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -871.990+/-377.817 χ²/NDF:10.8/21
Left: 65.292+/-269.535 χ²/NDF: 78.1/43
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -859.810+/-312.288 χ²/NDF:15.4/37
Out: 635.571+/-314.791 χ²/NDF:74.5/39
All: -118.088+/-221.701 χ²/NDF: 101.2/77



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1605.796+/-0.272 χ^2/NDF:158245.0/21

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1601.066+/-0.267 χ^2/NDF:162997.5/21

Left: 1603.389+/-0.191 χ^2/NDF: 321396.4/43

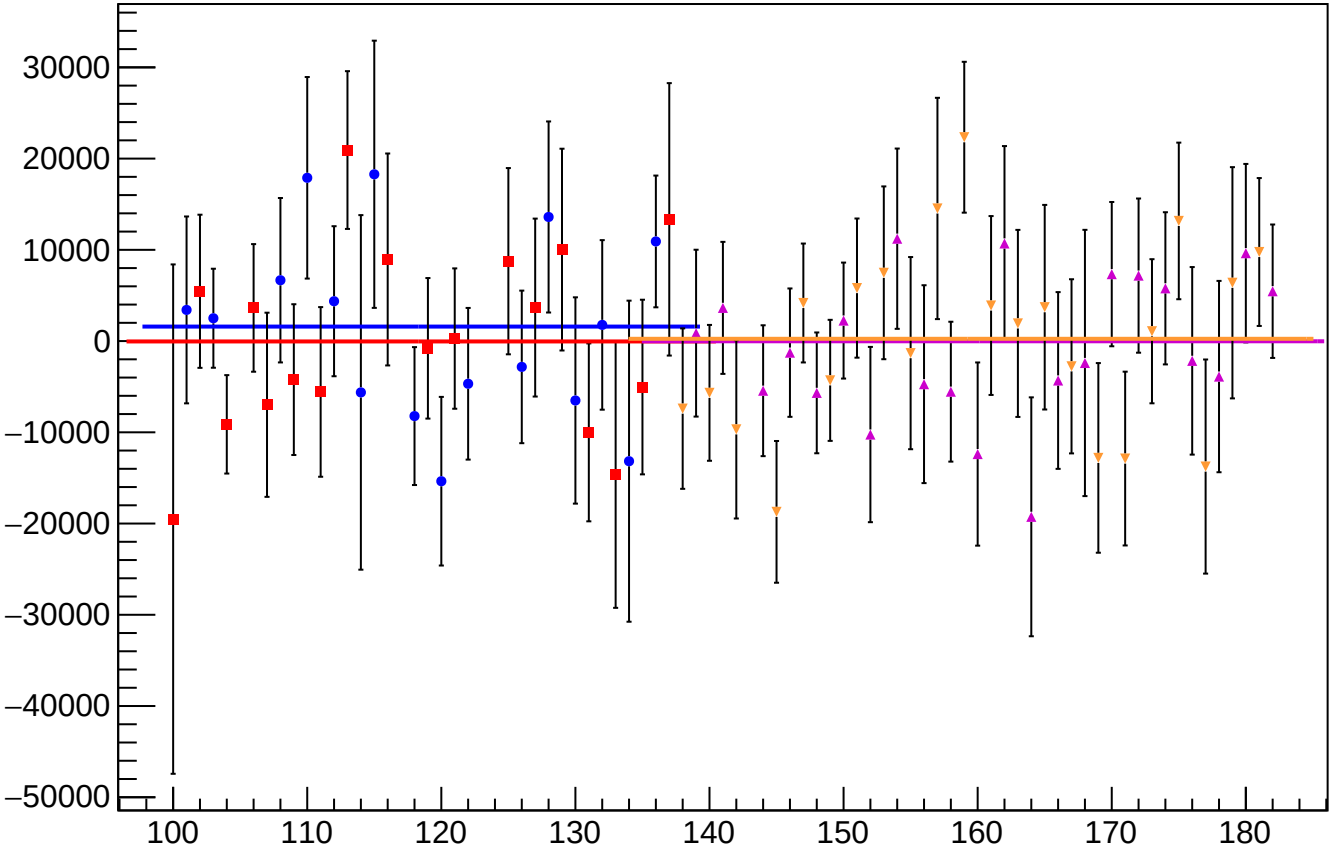
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1556.583+/-0.221 χ^2/NDF:826245.8/37

Out: 1550.475+/-0.222 χ^2/NDF:656540.4/39

All: 1553.551+/-0.157 χ^2/NDF: 1483166.1/77

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 249.206+/-1887.994 χ^2/NDF:28.0/21

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -22.842+/-1835.376 χ^2/NDF:13.6/21

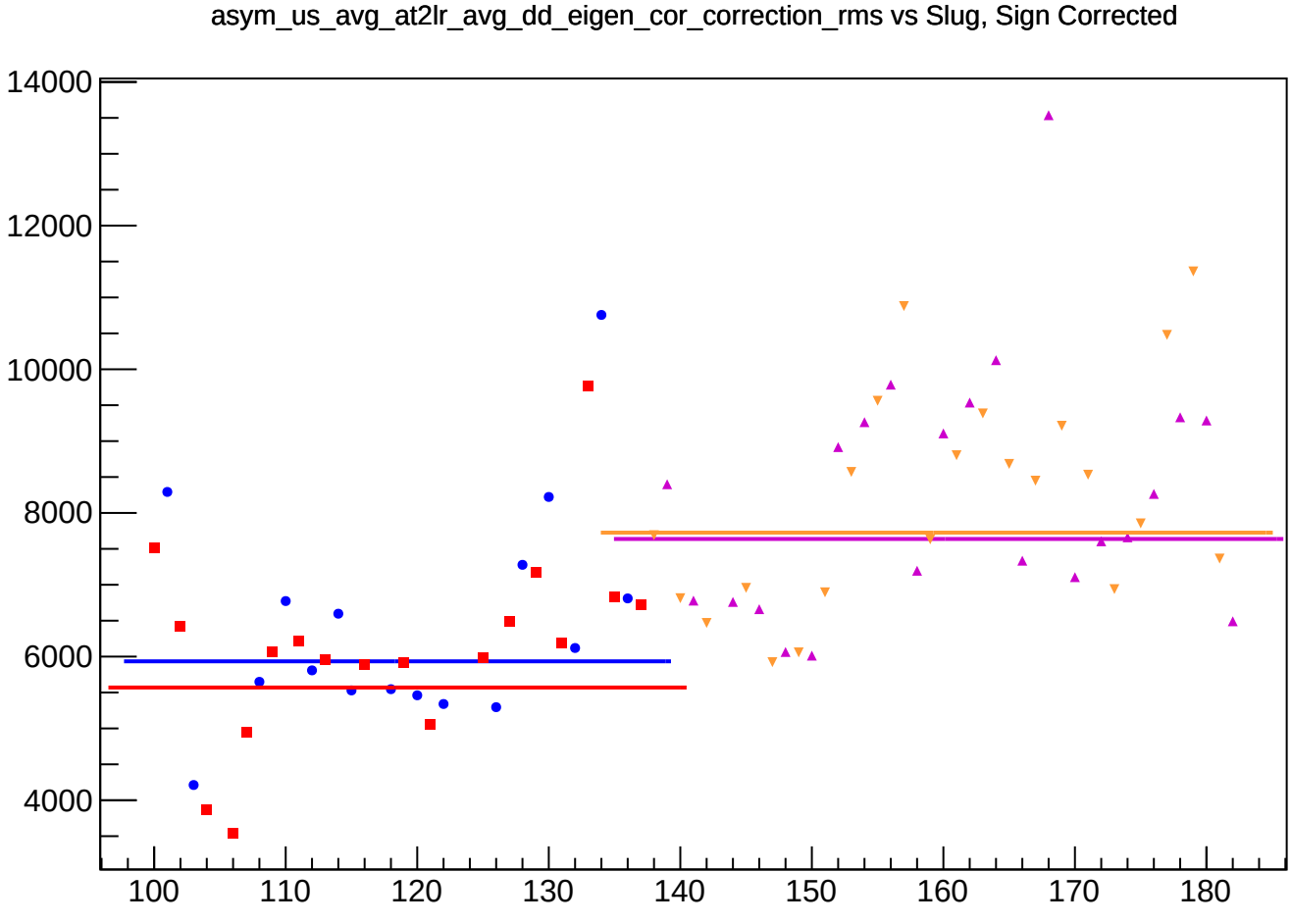
Left: 109.338+/-1316.016 χ^2/NDF: 41.6/43

Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 616.145+/-1425.796 χ^2/NDF:28.1/37

Out: 121.880+/-1413.747 χ^2/NDF:44.5/39

All: 366.915+/-1003.903 χ^2/NDF: 72.6/77



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7725.994+/-1.335 χ^2/NDF:1055350.1/21

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7637.521+/-1.298 χ^2/NDF:1210958.1/21

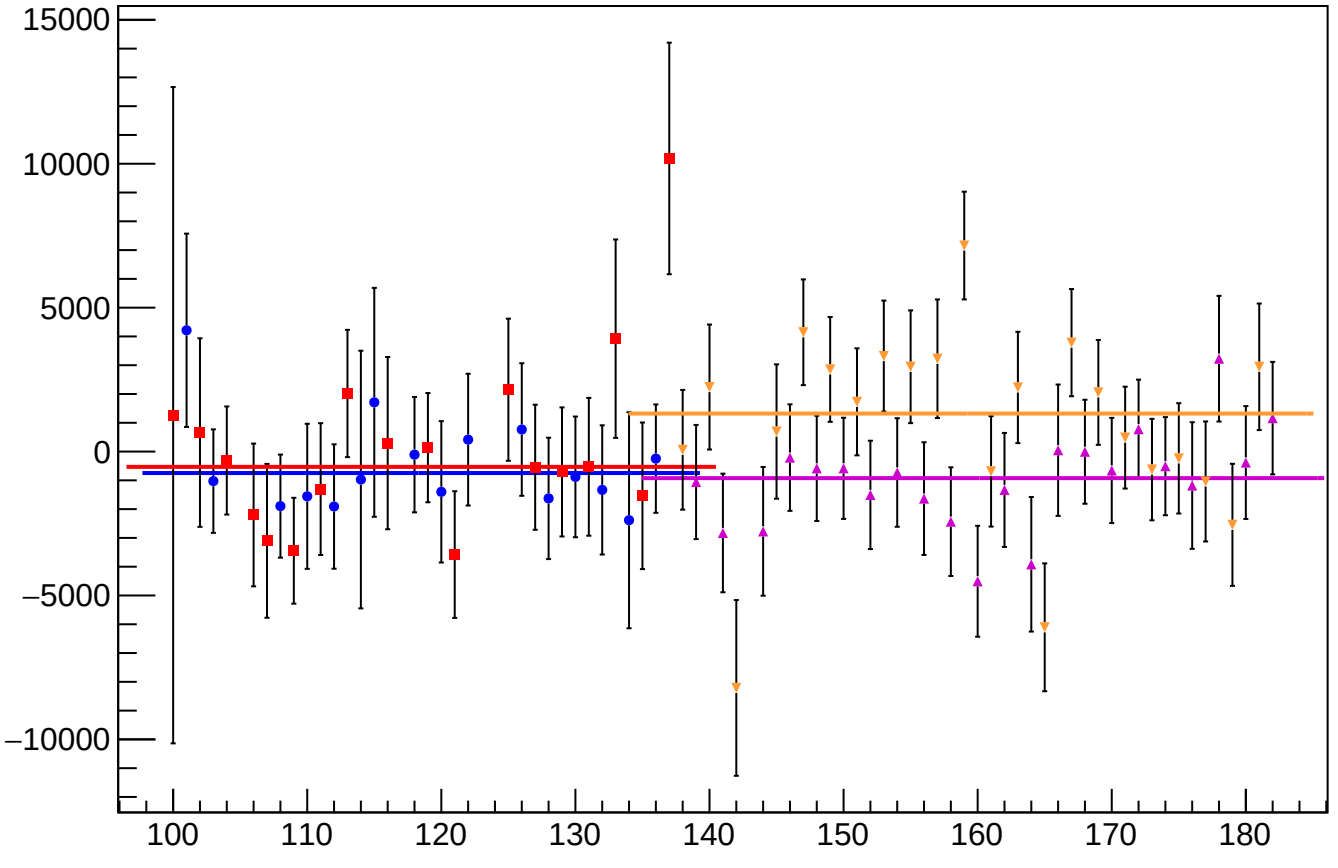
Left: 7680.508+/-0.931 χ^2/NDF: 2268566.2/43

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6962.128+/-1.008 χ^2/NDF:2547056.5/37

Out: 6778.726+/-1.000 χ^2/NDF:2925515.3/39

All: 6869.649+/-0.710 χ^2/NDF: 5489258.3/77



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1320.514+/-423.477 χ^2/NDF:47.5/21

Right Out: -531.292+/-575.115 χ^2/NDF: 17.7/17

Left In: -923.098+/-413.994 χ^2/NDF:14.1/21

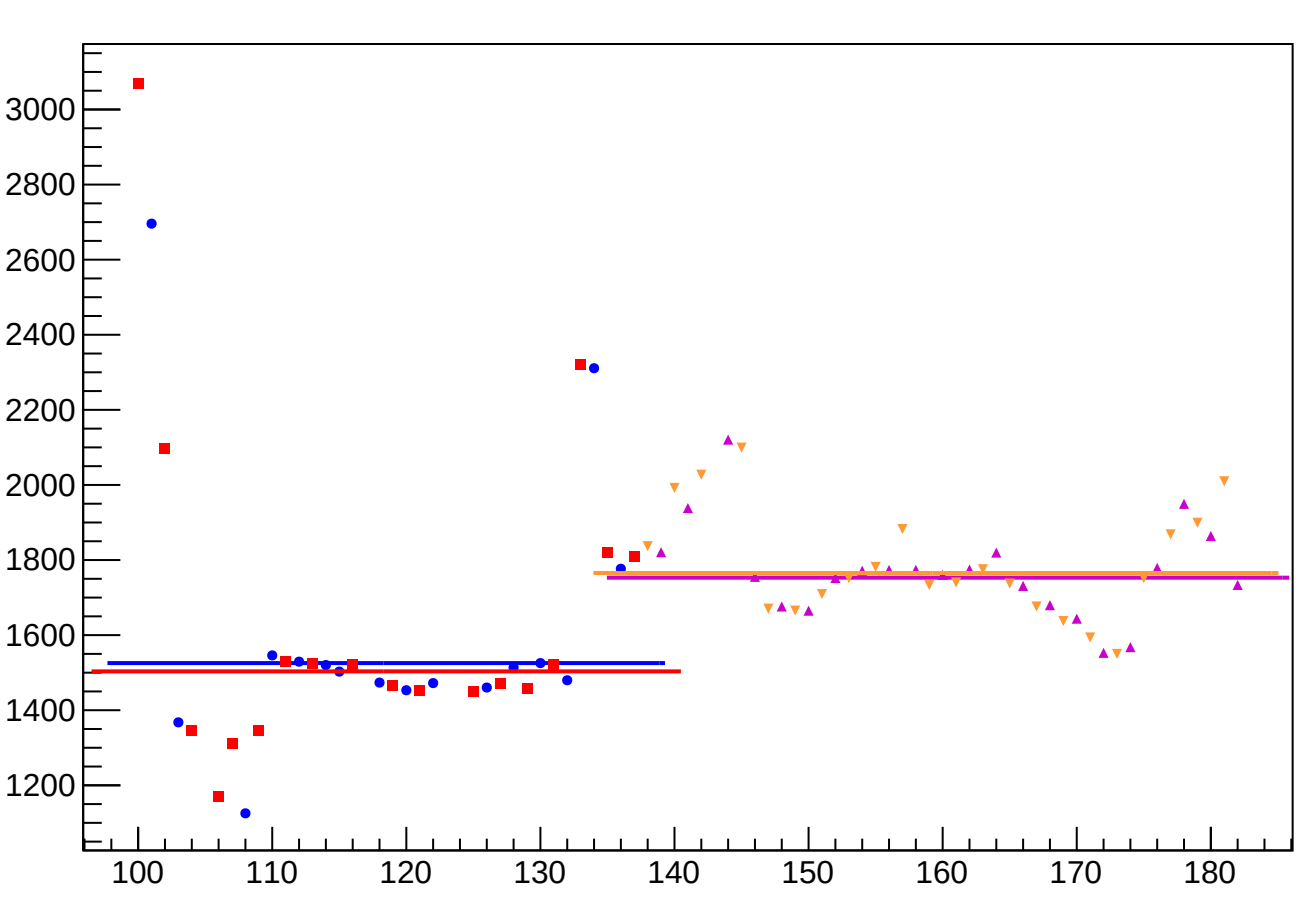
Left: 173.307+/-296.034 χ^2/NDF: 76.0/43

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -863.030+/-336.582 χ^2/NDF:18.9/37

Out: 669.472+/-341.005 χ^2/NDF:71.9/39

All: -106.784+/-239.548 χ^2/NDF: 101.1/77



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1765.474+/-0.299 χ^2/NDF:201752.4/21

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1752.982+/-0.293 χ^2/NDF:168039.0/21

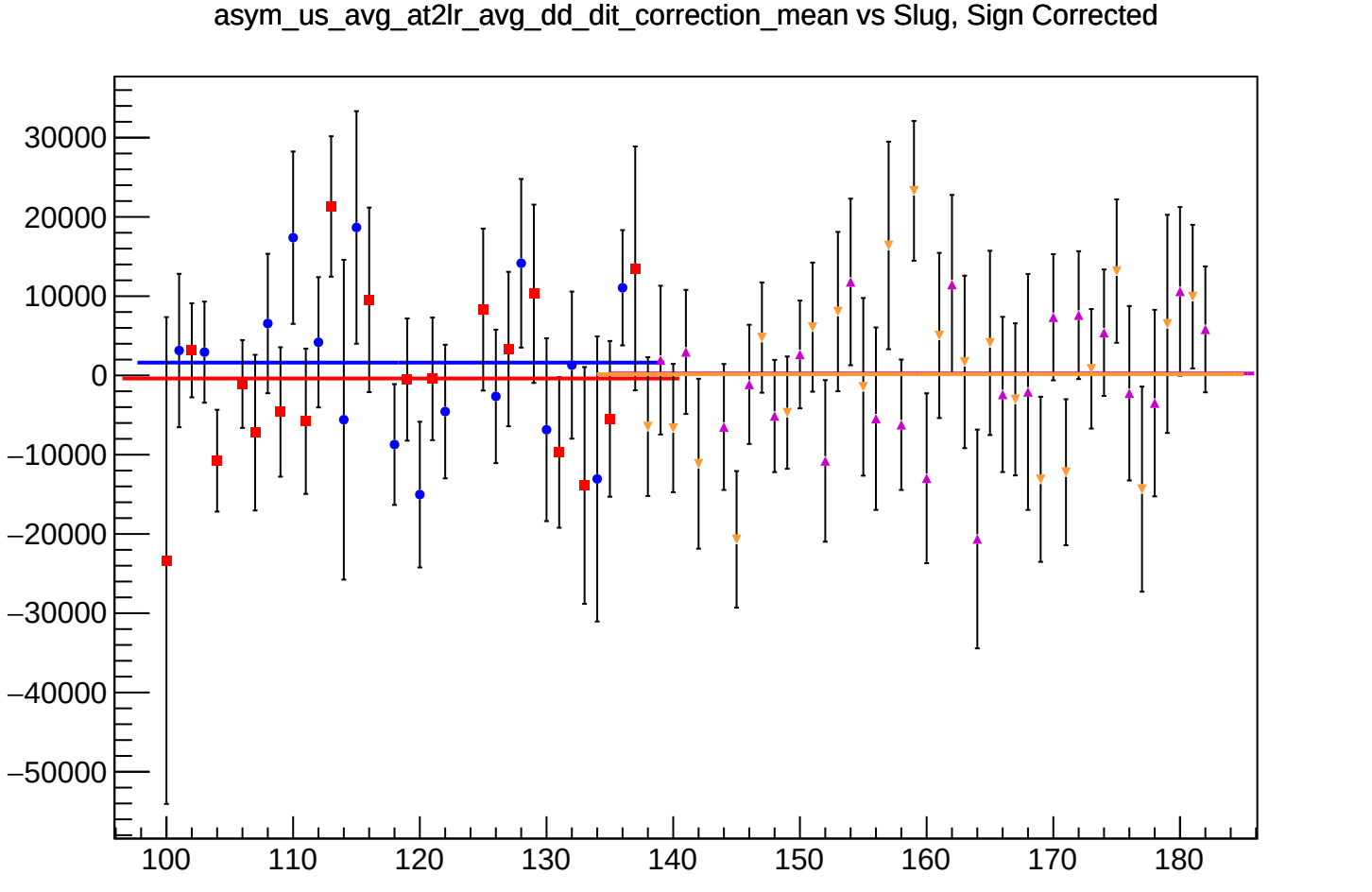
Left: 1759.087+/-0.209 χ^2/NDF: 370681.3/43

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1675.874+/-0.238 χ^2/NDF:861020.0/37

Out: 1673.313+/-0.241 χ^2/NDF:809587.4/39

All: 1674.611+/-0.169 χ^2/NDF: 1670664.6/77



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: 152.158+/-1988.501 χ^2/NDF:27.3/21

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: 247.177+/-1933.279 χ^2/NDF:13.4/21

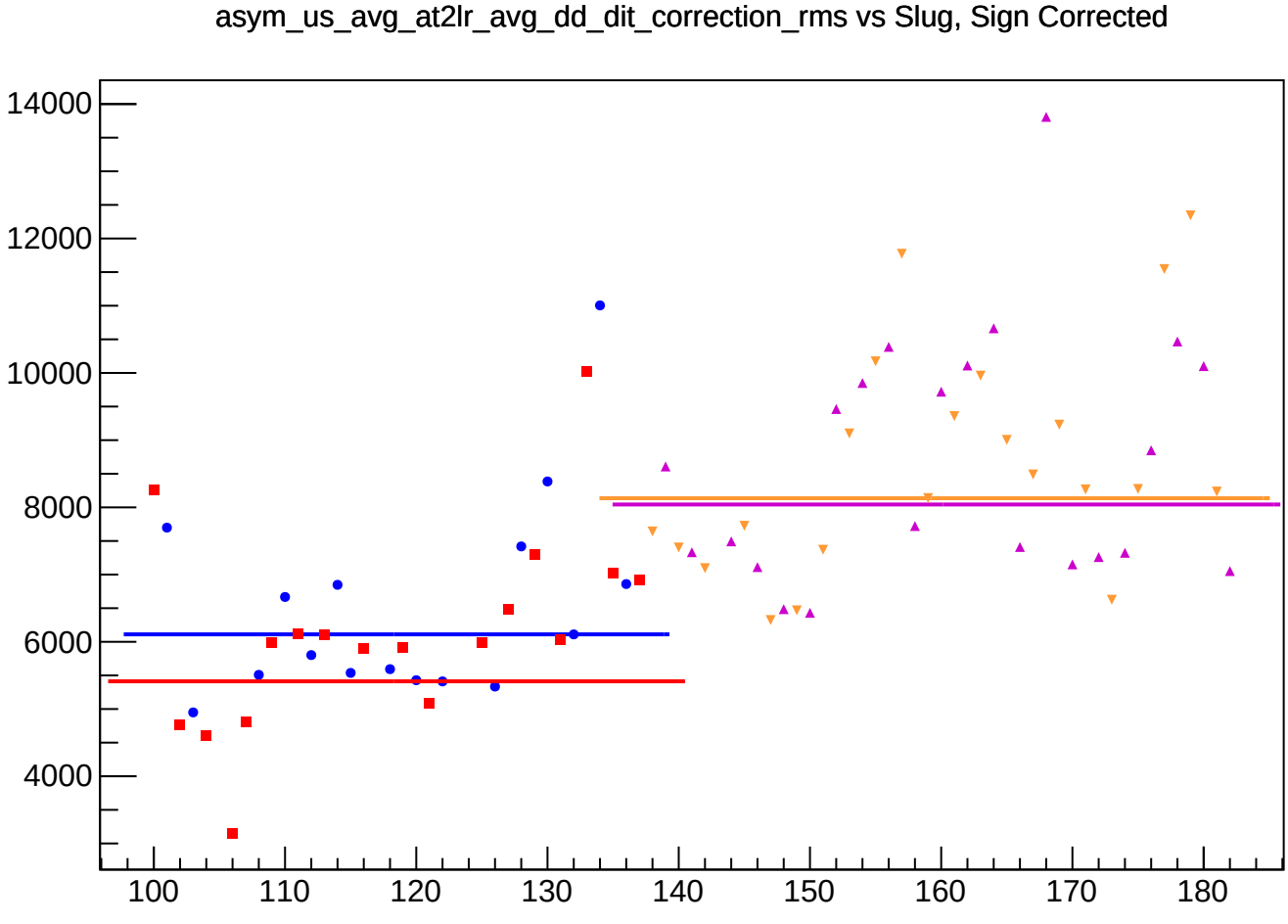
Left: 201.005+/-1386.146 χ^2/NDF: 40.7/43

Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 809.805+/-1485.212 χ^2/NDF:27.8/37

Out: -107.278+/-1430.982 χ^2/NDF:43.4/39

All: 334.215+/-1030.495 χ^2/NDF: 71.4/77



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8136.074+/-1.406 χ^2/NDF:1076210.0/21

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8042.899+/-1.367 χ^2/NDF:1215420.2/21

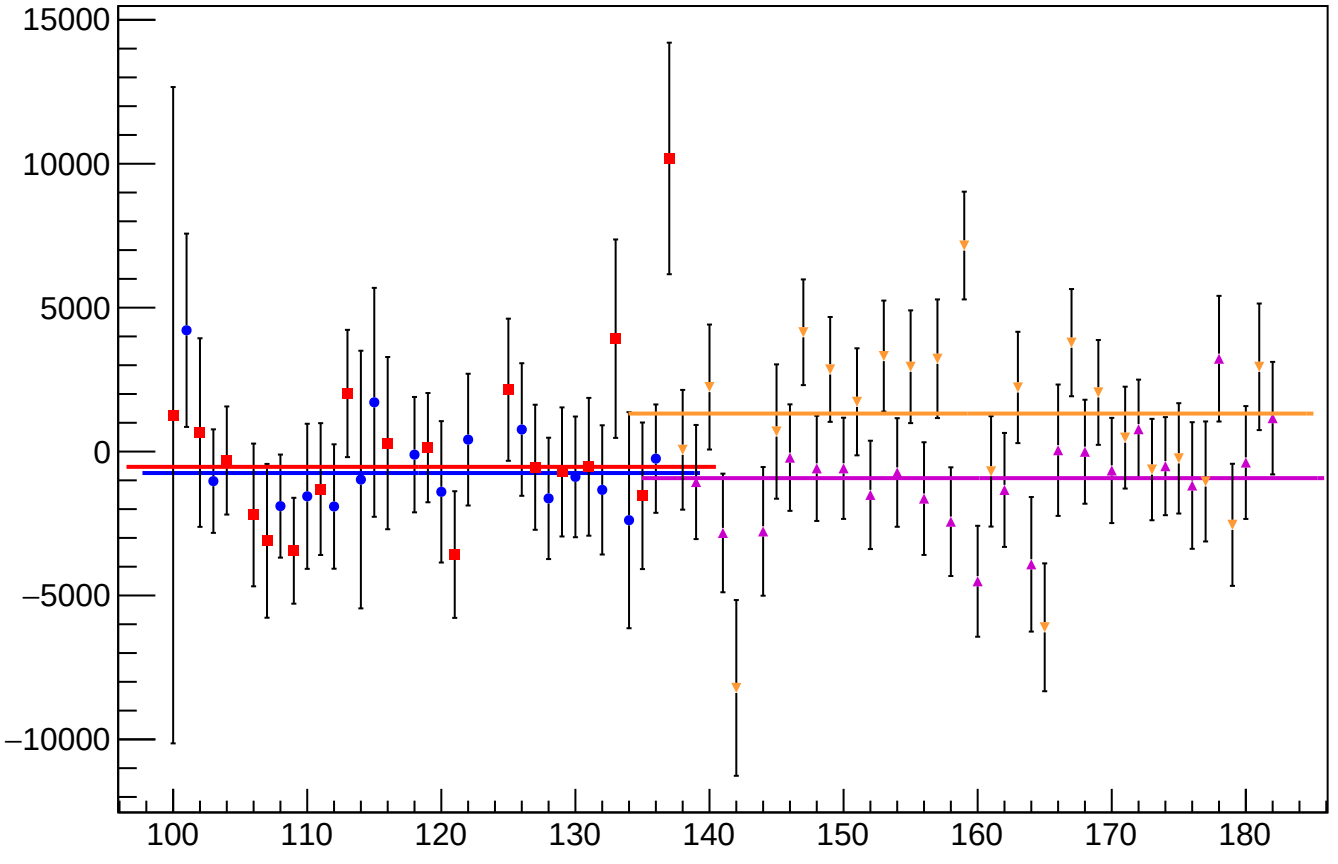
Left: 8088.175+/-0.980 χ^2/NDF: 2293887.6/43

Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7251.191+/-1.050 χ^2/NDF:2505512.2/37

Out: 6822.837+/-1.012 χ^2/NDF:3706981.9/39

All: 7029.051+/-0.729 χ^2/NDF: 6298768.8/77



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1320.521+/-423.478 χ^2/NDF:47.5/21

Right Out: -531.302+/-575.115 χ^2/NDF: 17.7/17

Left In: -923.097+/-413.995 χ^2/NDF:14.1/21

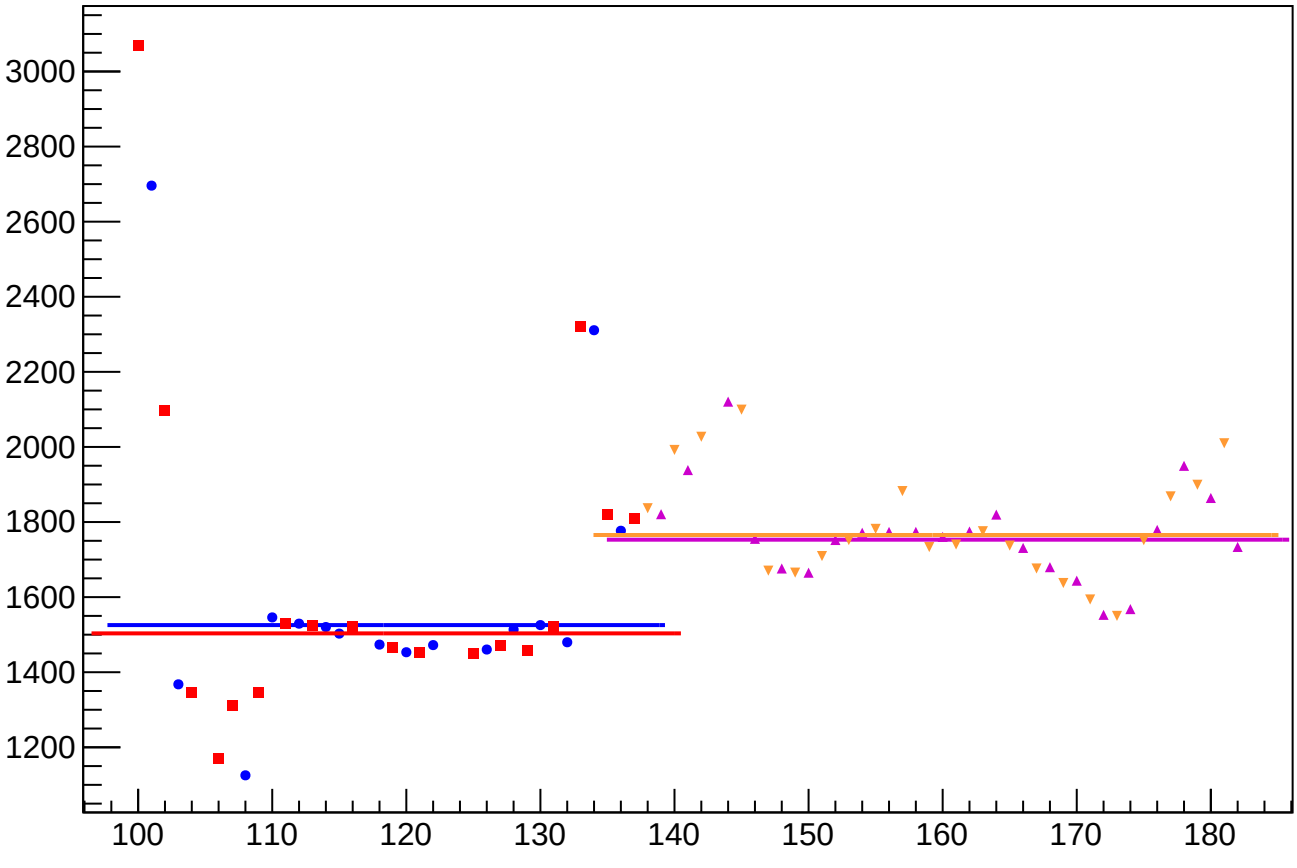
Left: 173.310+/-296.035 χ^2/NDF: 76.0/43

Right: -638.060+/-407.709 χ^2/NDF: 22.6/33

In: -863.031+/-336.582 χ^2/NDF:18.9/37

Out: 669.472+/-341.006 χ^2/NDF:71.9/39

All: -106.784+/-239.548 χ^2/NDF: 101.1/77



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1765.477+/-0.299 χ^2/NDF:201760.9/21

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1752.985+/-0.293 χ^2/NDF:168047.0/21

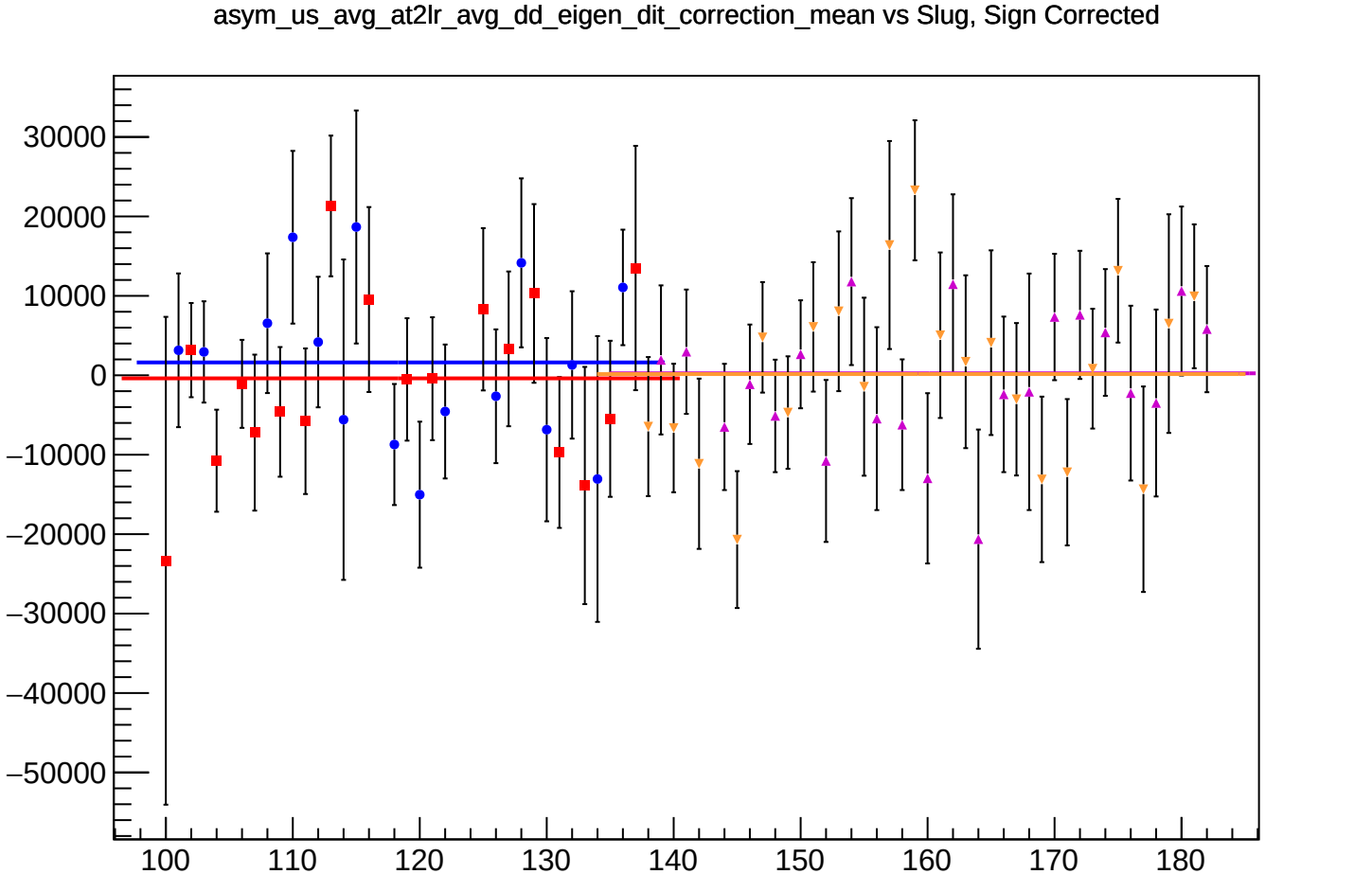
Left: 1759.089+/-0.209 χ^2/NDF: 370697.8/43

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1675.876+/-0.238 χ^2/NDF:861032.5/37

Out: 1673.315+/-0.241 χ^2/NDF:809601.1/39

All: 1674.612+/-0.169 χ^2/NDF: 1670690.8/77



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: 152.159+/-1988.504 χ^2/NDF:27.3/21

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 247.179+/-1933.282 χ^2/NDF:13.4/21

Left: 201.007+/-1386.148 χ^2/NDF: 40.7/43

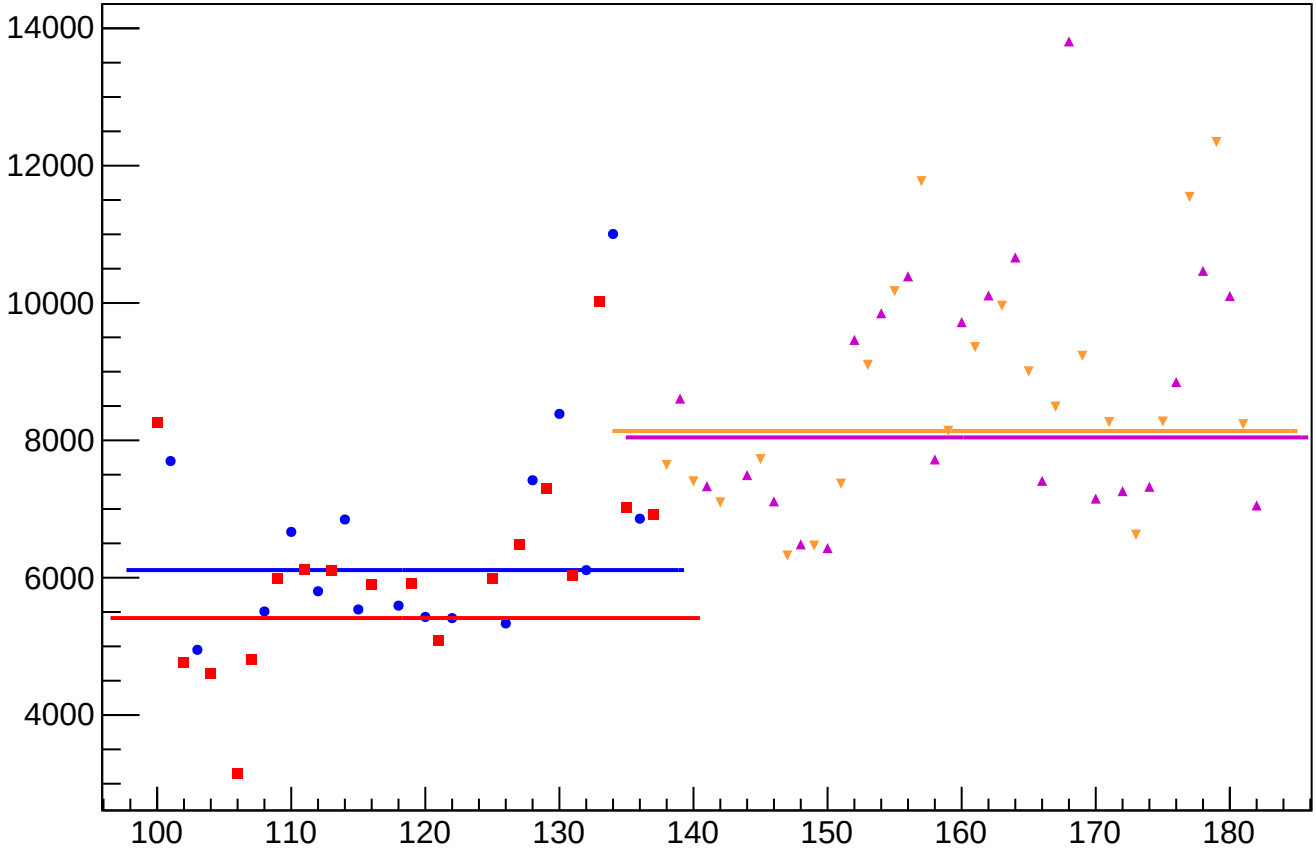
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 809.801+/-1485.212 χ^2/NDF:27.8/37

Out: -107.282+/-1430.982 χ^2/NDF:43.4/39

All: 334.211+/-1030.495 χ^2/NDF: 71.4/77

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: 8136.086+/-1.406 χ^2/NDF:1076212.6/21

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 8042.910+/-1.367 χ^2/NDF:1215424.7/21

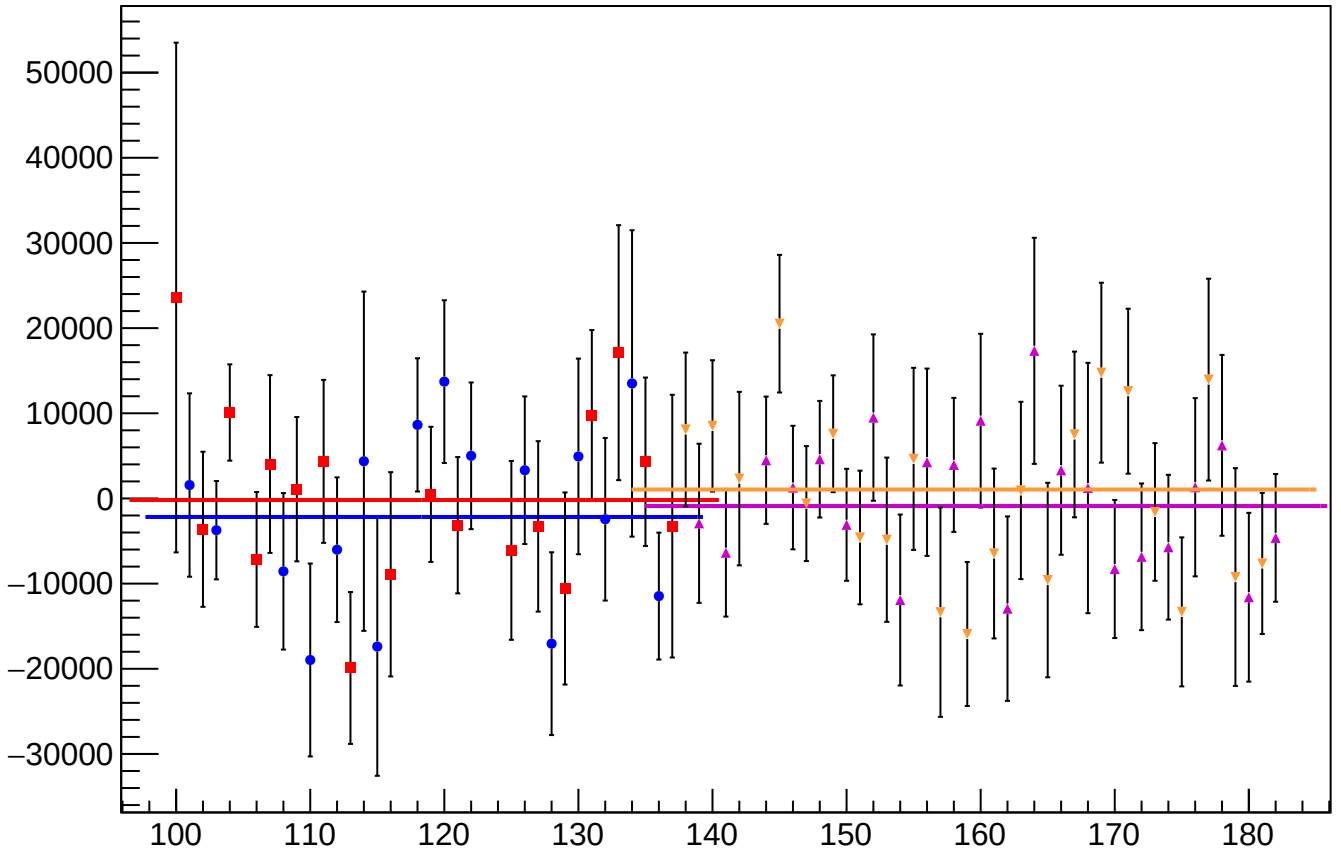
Left: 8088.186+/-0.980 χ^2/NDF: 2293894.8/43

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7251.189+/-1.050 χ^2/NDF:2505541.1/37

Out: 6822.833+/-1.012 χ^2/NDF:3707017.4/39

All: 7029.048+/-0.729 χ^2/NDF: 6298834.0/77



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1049.994+/-1935.494 χ^2/NDF:25.5/21

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: -889.048+/-1881.023 χ^2/NDF:12.7/21

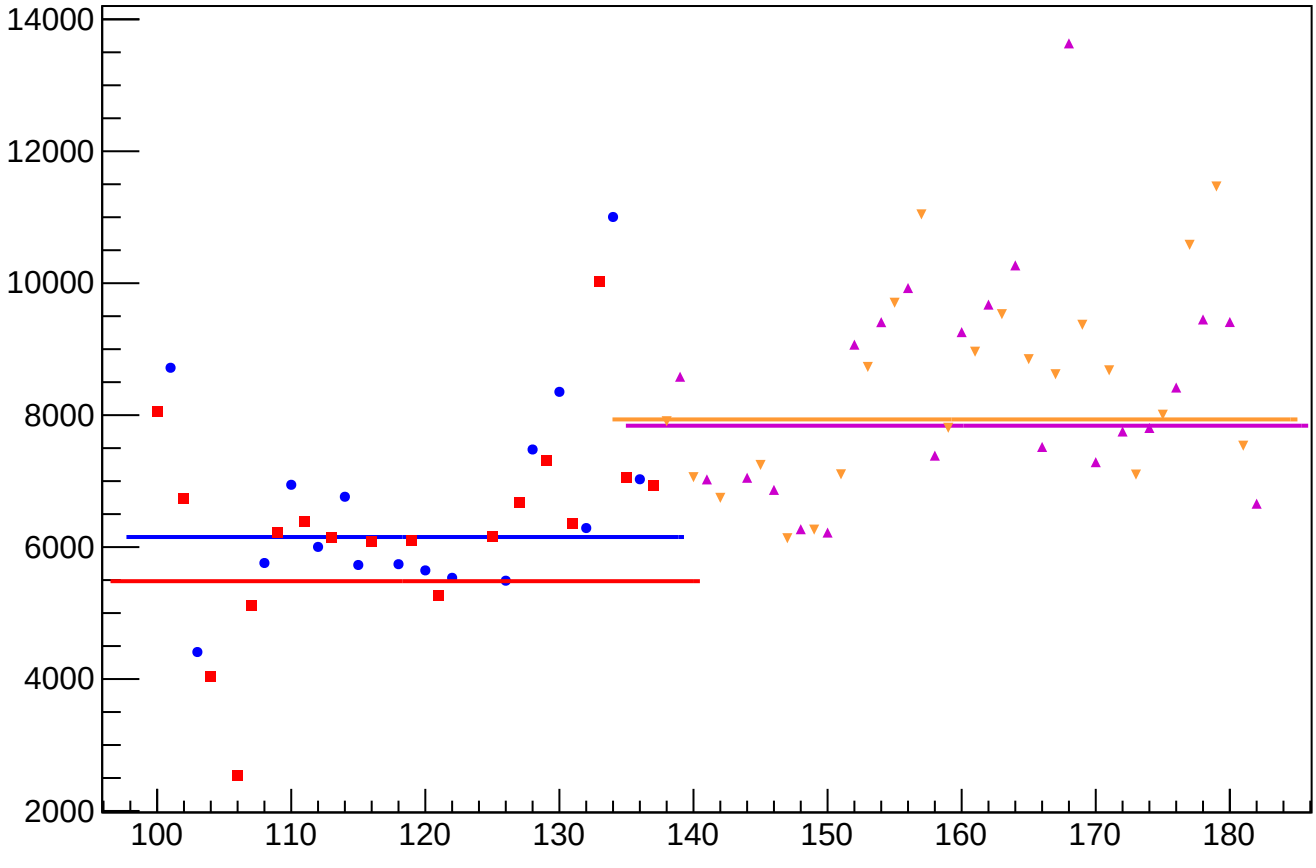
Left: 52.803+/-1348.930 χ^2/NDF: 38.7/43

Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -1391.453+/-1467.949 χ^2/NDF:27.5/37

Out: 519.694+/-1461.399 χ^2/NDF:40.3/39

All: -431.606+/-1035.673 χ^2/NDF: 68.6/77



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7935.287+/-1.369 χ^2/NDF:965923.4/21

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7840.003+/-1.330 χ^2/NDF:1118307.0/21

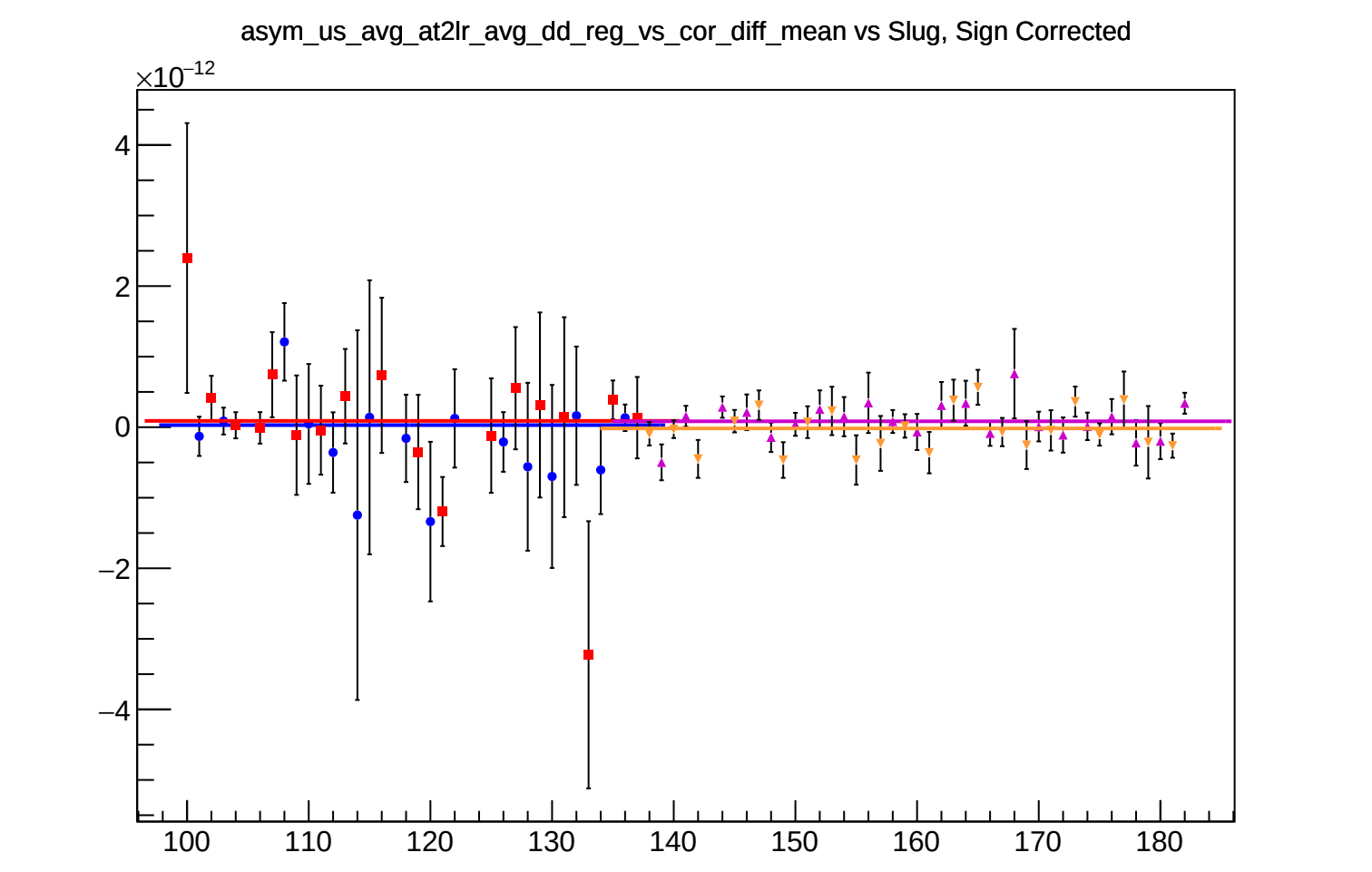
Left: 7886.286+/-0.954 χ^2/NDF: 2086723.2/43

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 7180.299+/-1.038 χ^2/NDF:2371531.2/37

Out: 6837.042+/-1.017 χ^2/NDF:3552300.3/39

All: 7005.149+/-0.726 χ^2/NDF: 5979632.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:19.1/21

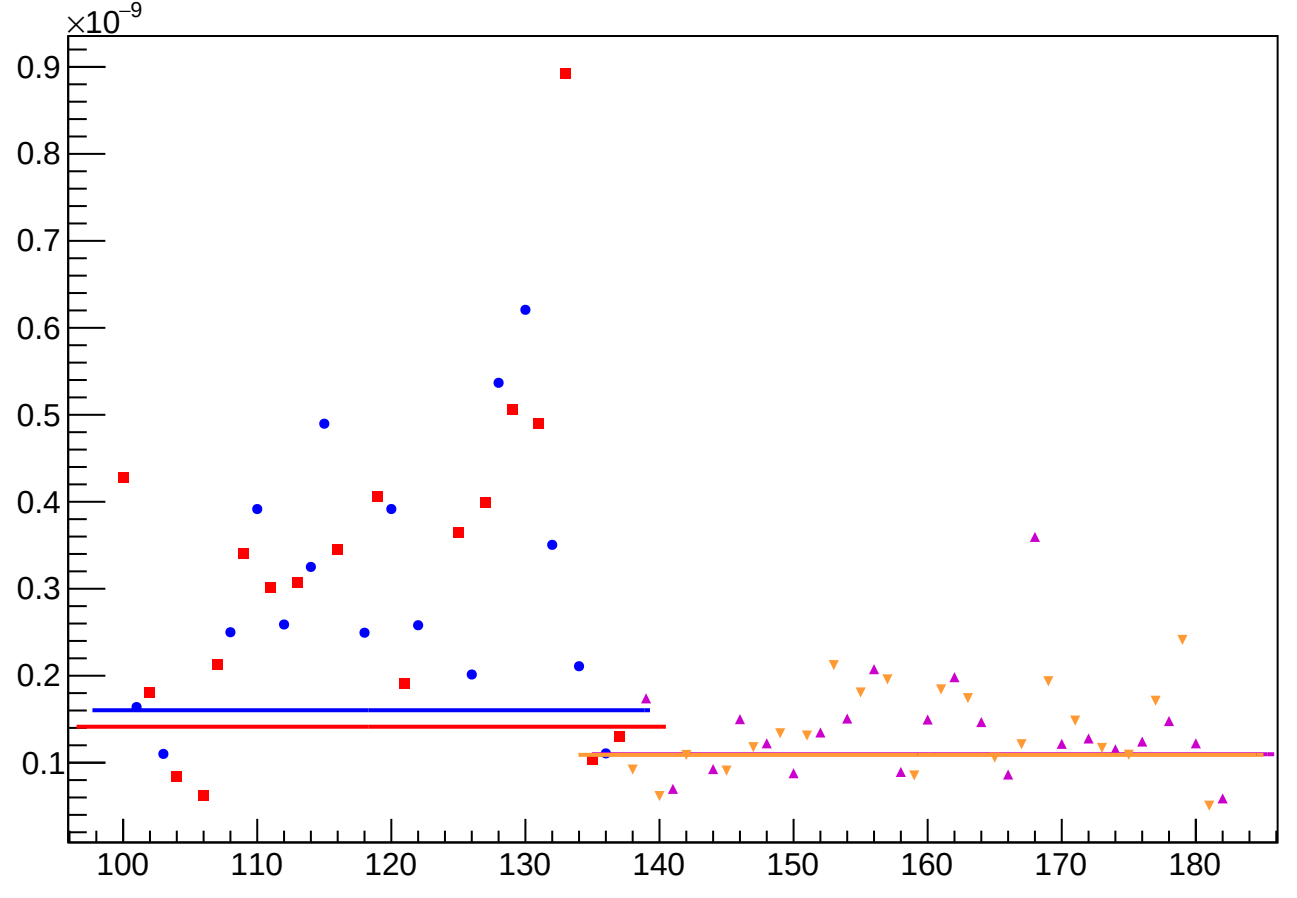
Left: 0.000+/-0.000 χ^2/NDF: 49.1/43

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:28.9/37

Out: 0.000+/-0.000 χ^2/NDF:44.9/39

All: 0.000+/-0.000 χ^2/NDF: 75.3/77



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1601856.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1445746.4/21

Left: 0.000+/-0.000 χ^2/NDF: 3047832.1/43

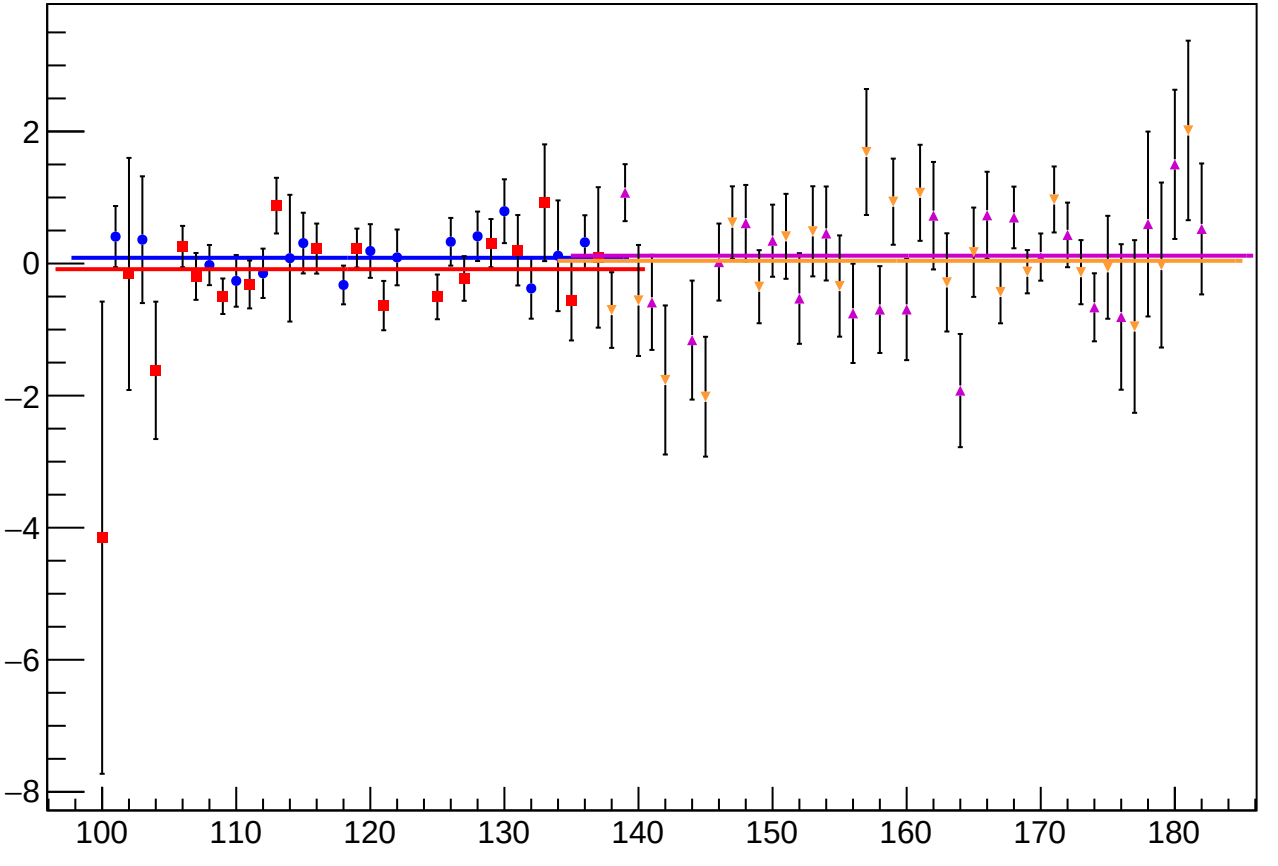
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:3172710.5/37

Out: 0.000+/-0.000 χ^2/NDF:3932665.3/39

All: 0.000+/-0.000 χ^2/NDF: 7112389.5/77

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: 0.041+/-0.136 χ^2/NDF:27.2/21

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.119+/-0.133 χ^2/NDF:27.8/21

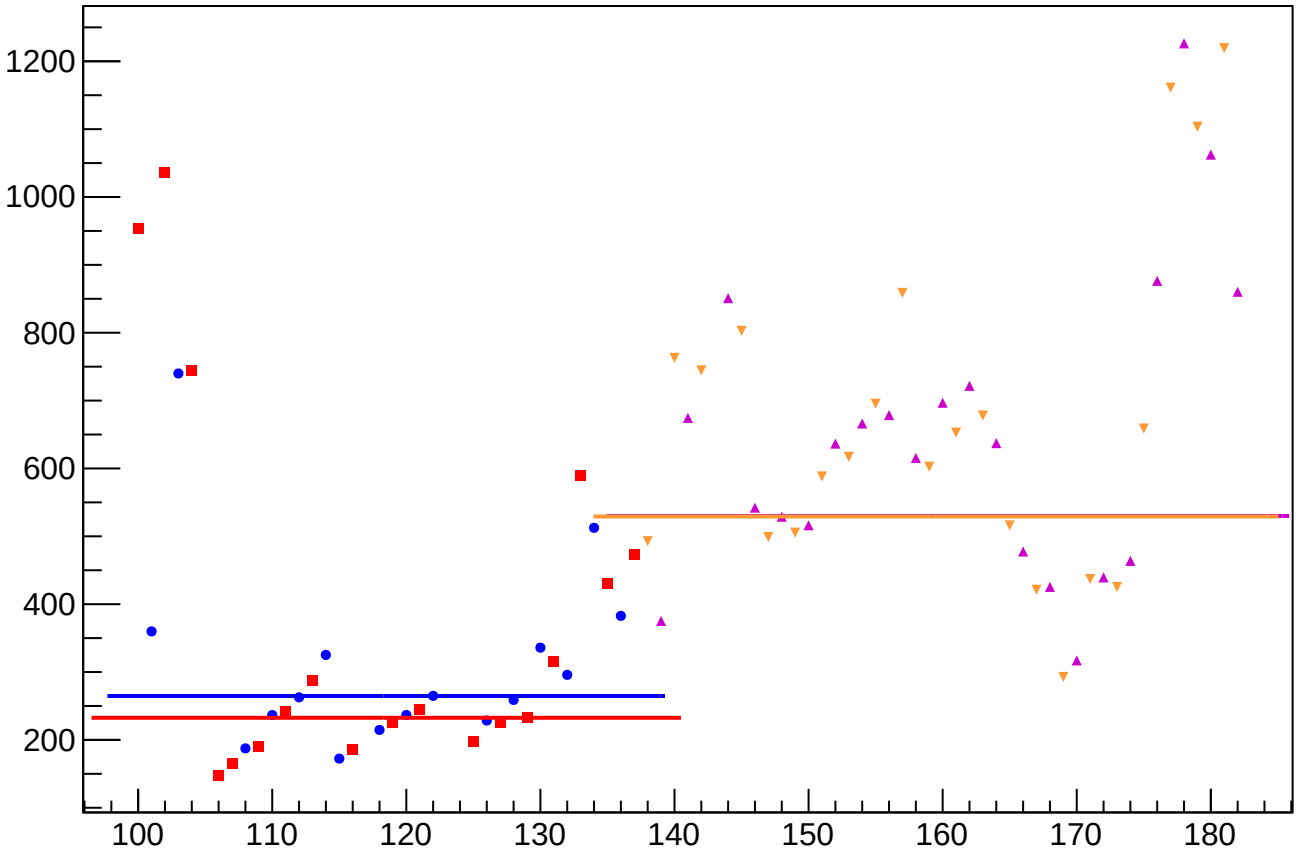
Left: 0.081+/-0.095 χ^2/NDF: 55.1/43

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.099+/-0.082 χ^2/NDF:36.6/37

Out: -0.043+/-0.079 χ^2/NDF:49.6/39

All: 0.025+/-0.057 χ^2/NDF: 87.7/77



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 529.201+/-0.096 χ^2/NDF:3739462.5/21

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 530.021+/-0.094 χ^2/NDF:3348774.8/21

Left: 529.619+/-0.067 χ^2/NDF: 7088274.3/43

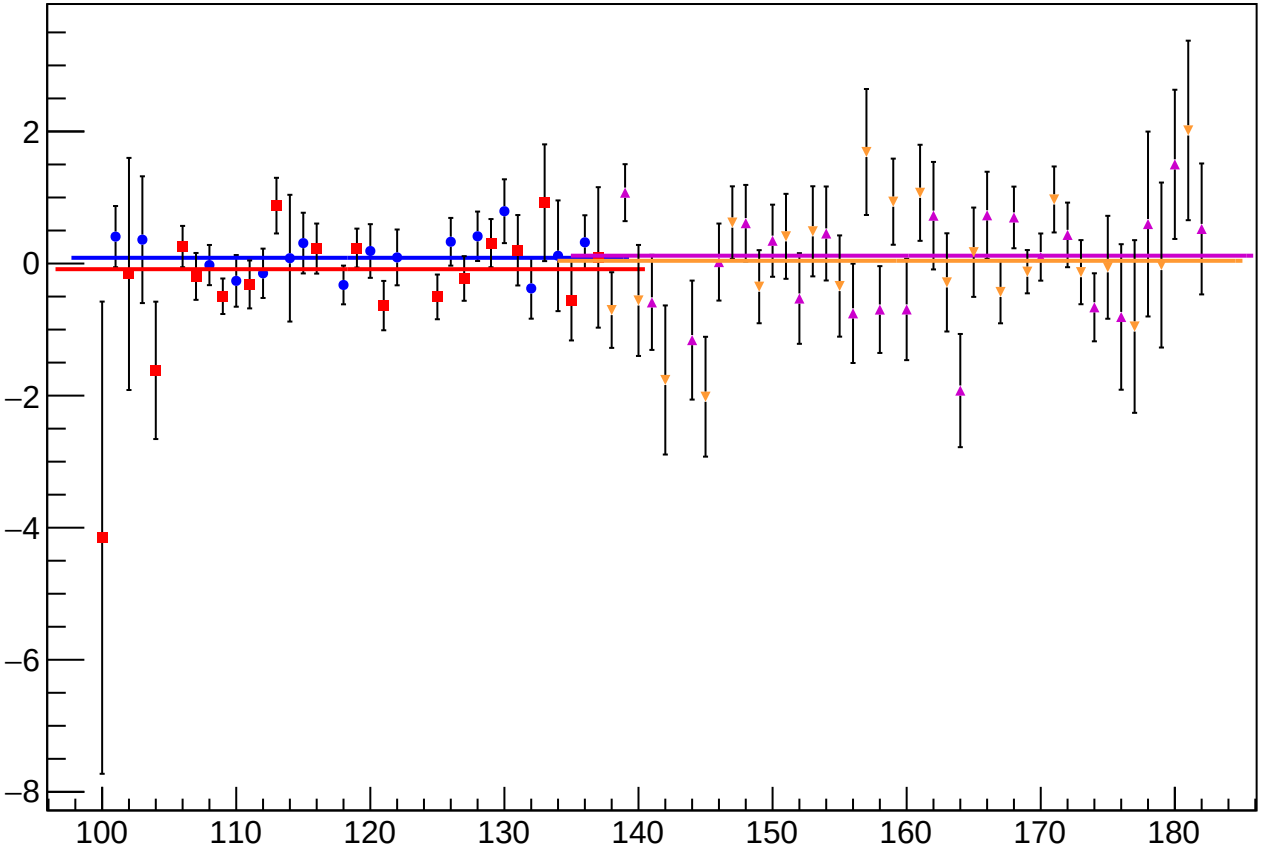
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 366.482+/-0.058 χ^2/NDF:9526542.7/37

Out: 333.058+/-0.056 χ^2/NDF:12062173.8/39

All: 349.080+/-0.040 χ^2/NDF: 21759668.6/77

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: 0.041+/-0.136 χ^2/NDF:27.2/21

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.119+/-0.133 χ^2/NDF:27.8/21

Left: 0.081+/-0.095 χ^2/NDF: 55.1/43

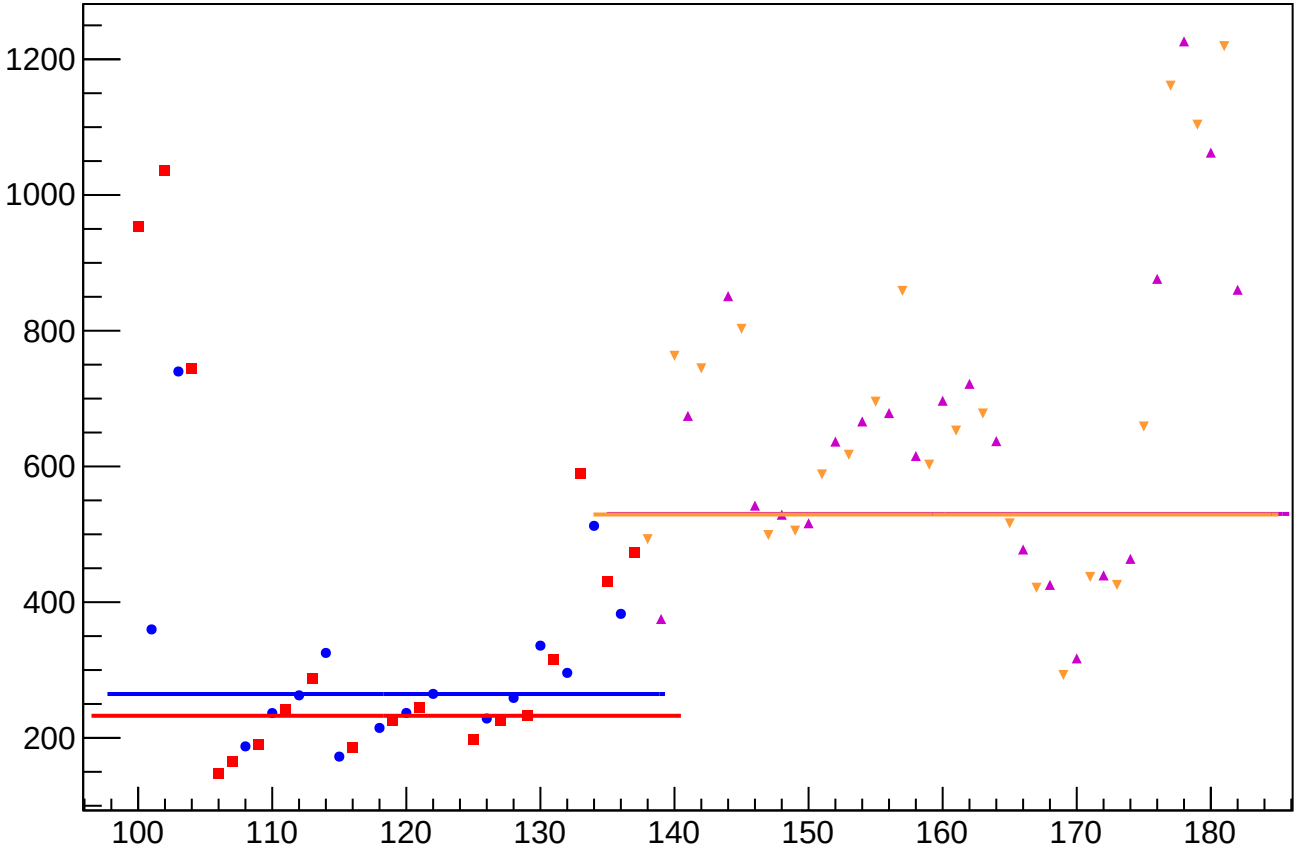
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.099+/-0.082 χ^2/NDF:36.6/37

Out: -0.043+/-0.079 χ^2/NDF:49.6/39

All: 0.025+/-0.057 χ^2/NDF: 87.7/77

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 529.201+/-0.096 χ^2/NDF:3739462.5/21

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 530.021+/-0.094 χ^2/NDF:3348774.8/21

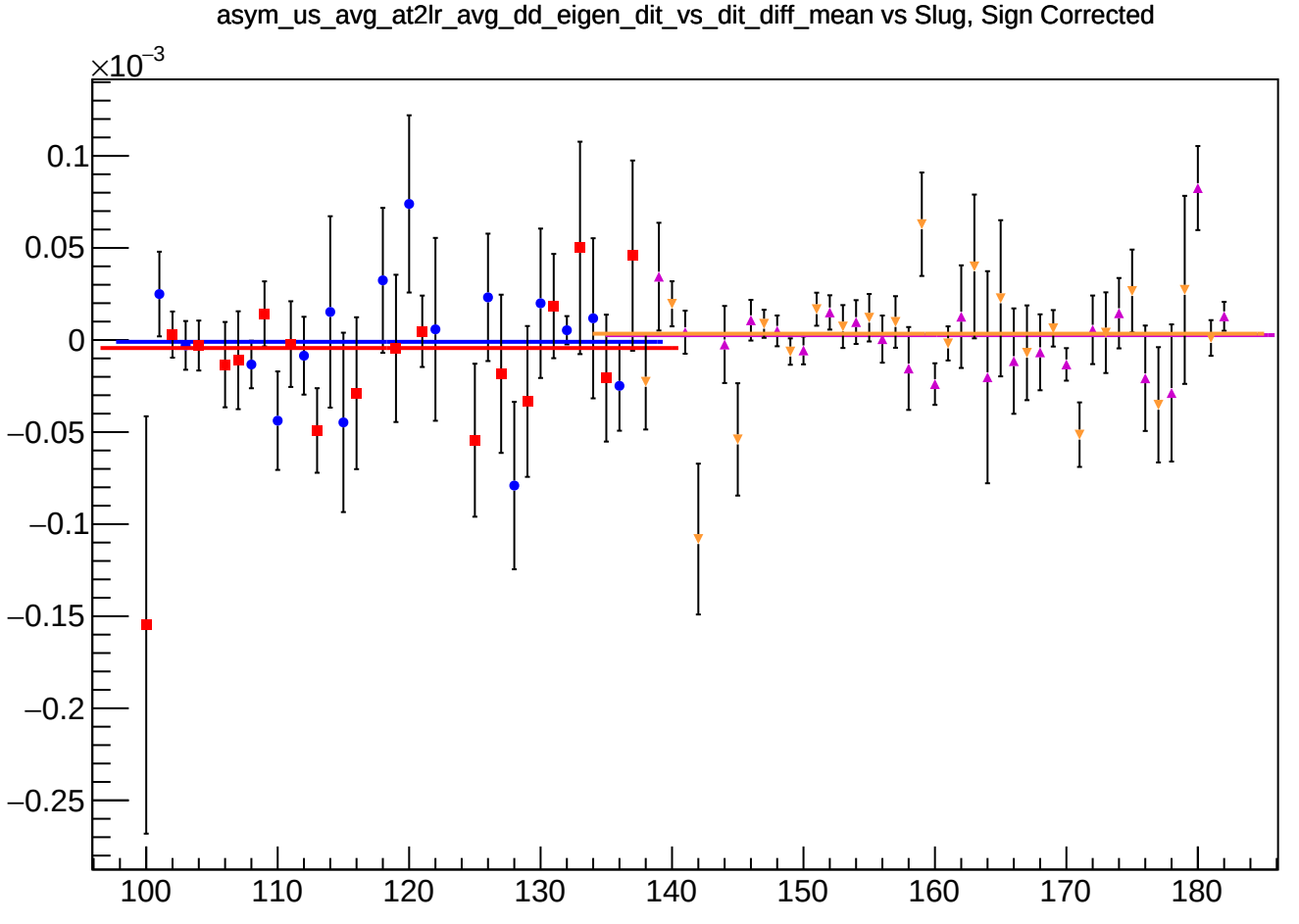
Left: 529.619+/-0.067 χ^2/NDF: 7088274.3/43

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 366.482+/-0.058 χ^2/NDF:9526542.7/37

Out: 333.058+/-0.056 χ^2/NDF:12062173.8/39

All: 349.080+/-0.040 χ^2/NDF: 21759668.6/77



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:31.1/21

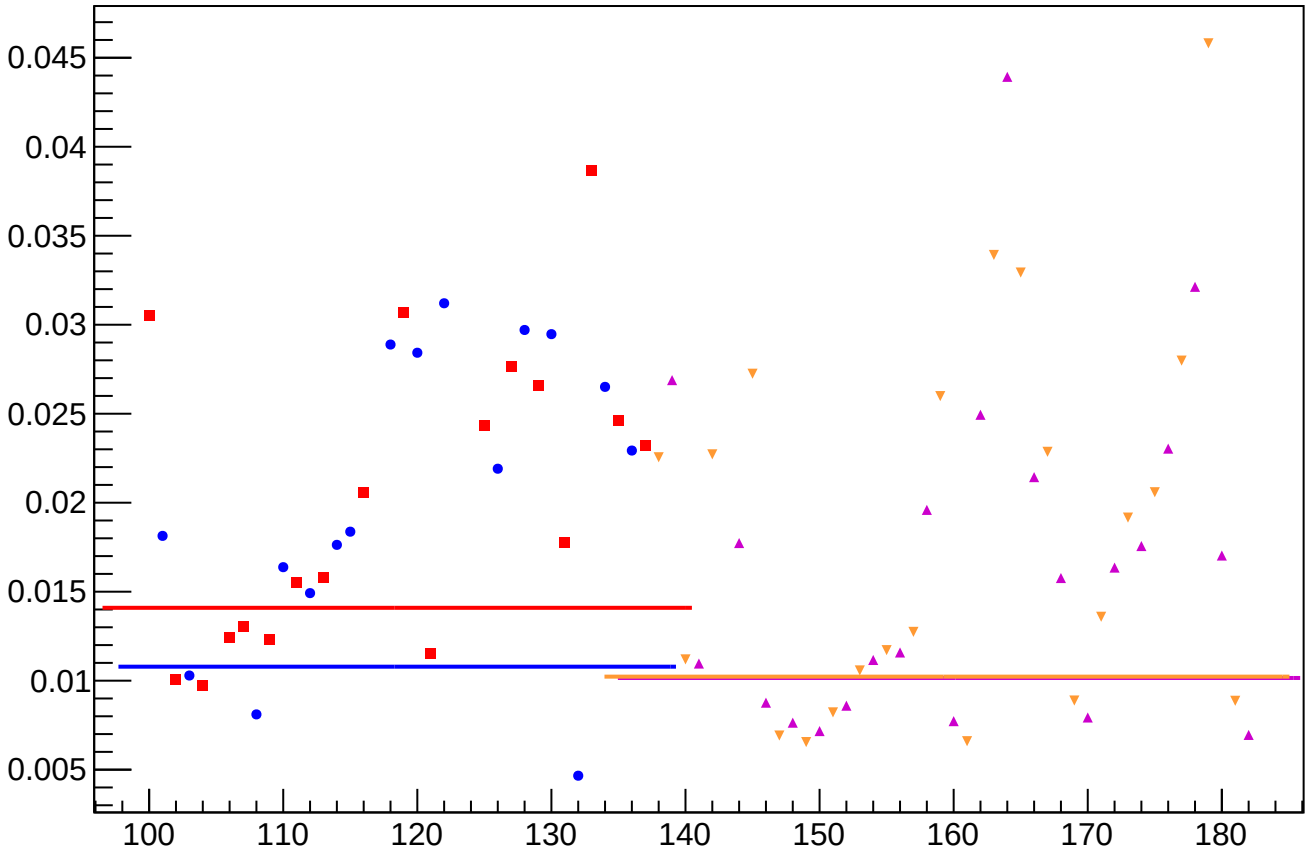
Left: 0.000+/-0.000 χ^2/NDF: 69.0/43

Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:45.9/37

Out: 0.000+/-0.000 χ^2/NDF:51.9/39

All: 0.000+/-0.000 χ^2/NDF: 97.8/77



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:7620518.0/21

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:5964553.9/21

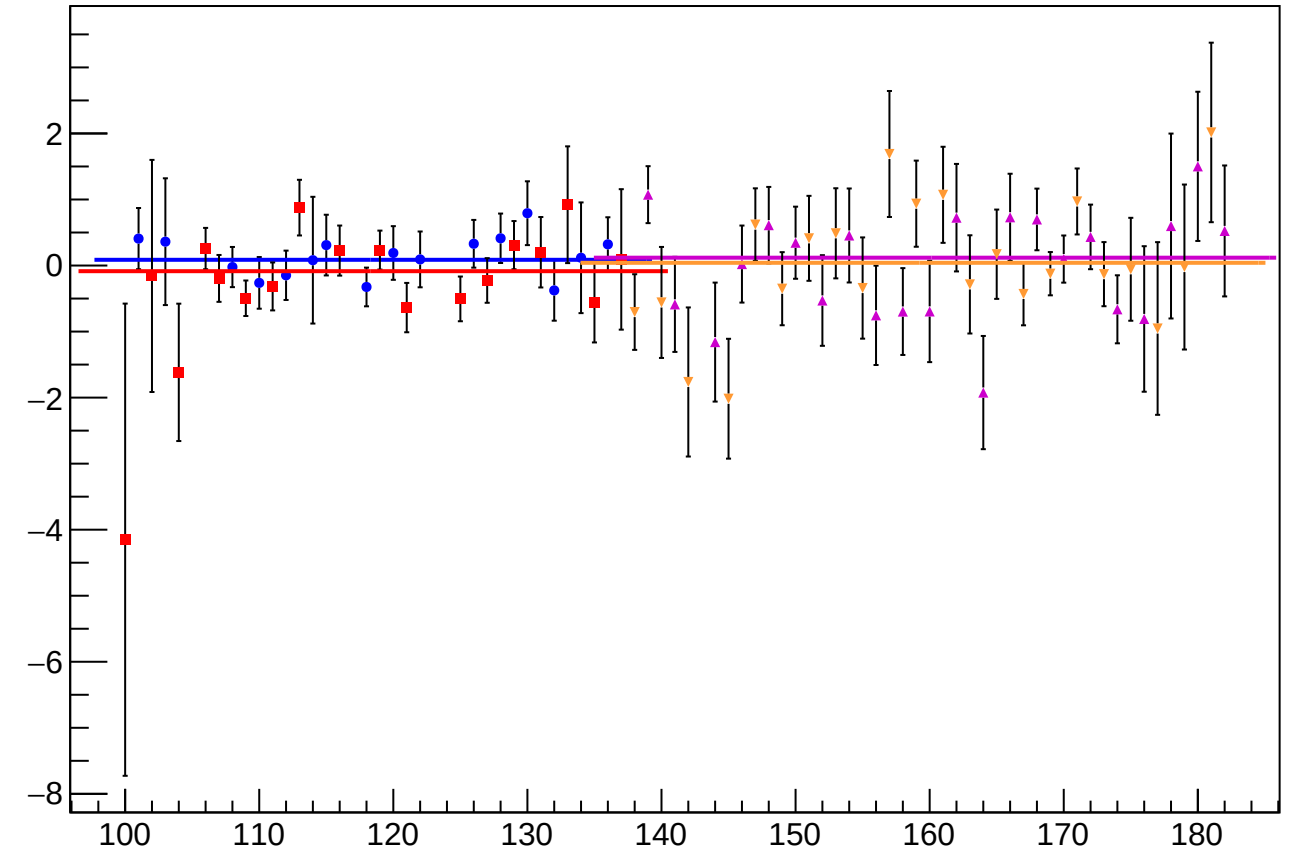
Left: 0.010+/-0.000 χ^2/NDF: 13585783.5/43

Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:10569516.0/37

Out: 0.011+/-0.000 χ^2/NDF:10435454.9/39

All: 0.011+/-0.000 χ^2/NDF: 21082121.3/77



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.041+/-0.136 χ^2/NDF:27.2/21

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.119+/-0.133 χ^2/NDF:27.8/21

Left: 0.081+/-0.095 χ^2/NDF: 55.1/43

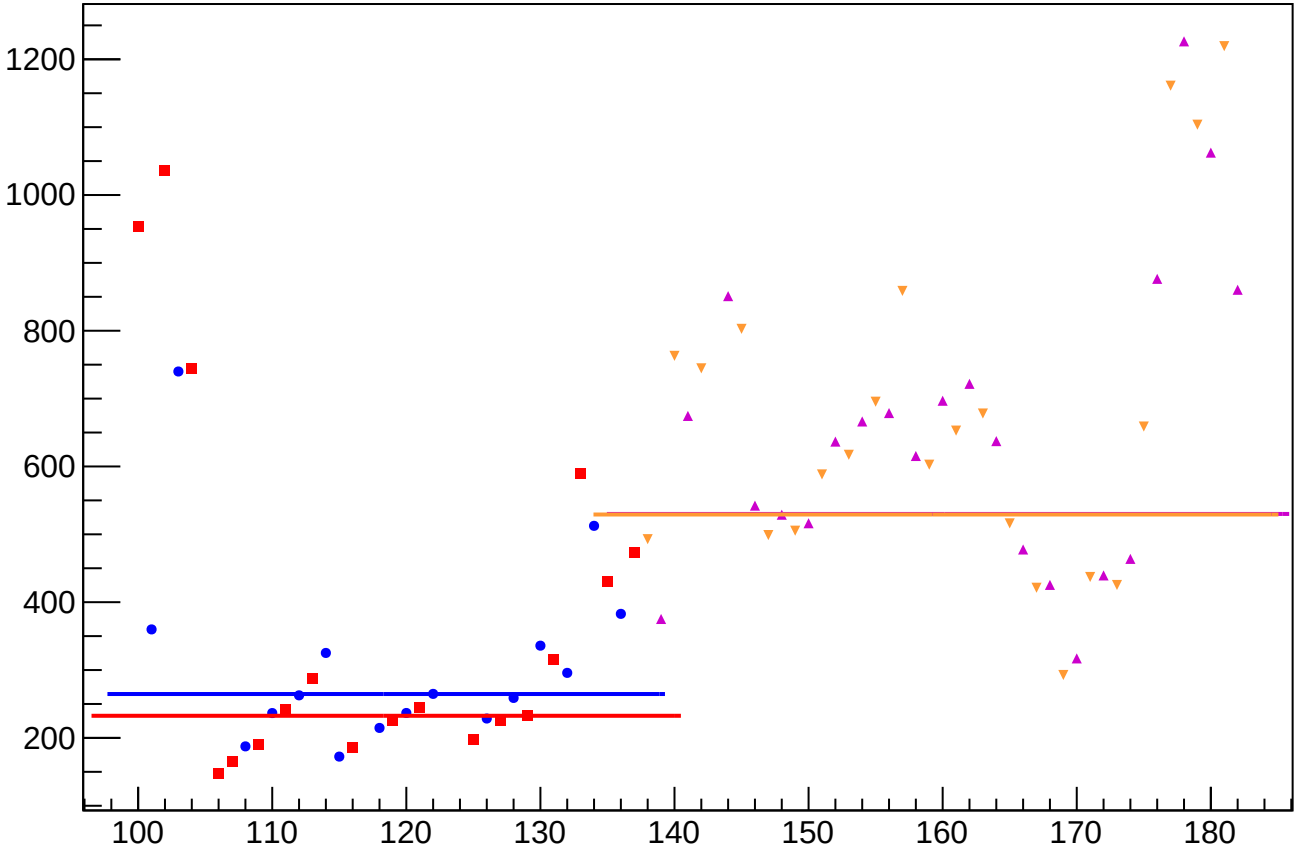
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.099+/-0.082 χ^2/NDF:36.7/37

Out: -0.043+/-0.079 χ^2/NDF:49.6/39

All: 0.025+/-0.057 χ^2/NDF: 87.7/77

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 529.201+/-0.096 χ^2/NDF:3739634.7/21

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 530.024+/-0.094 χ^2/NDF:3348857.7/21

Left: 529.621+/-0.067 χ^2/NDF: 7088529.8/43

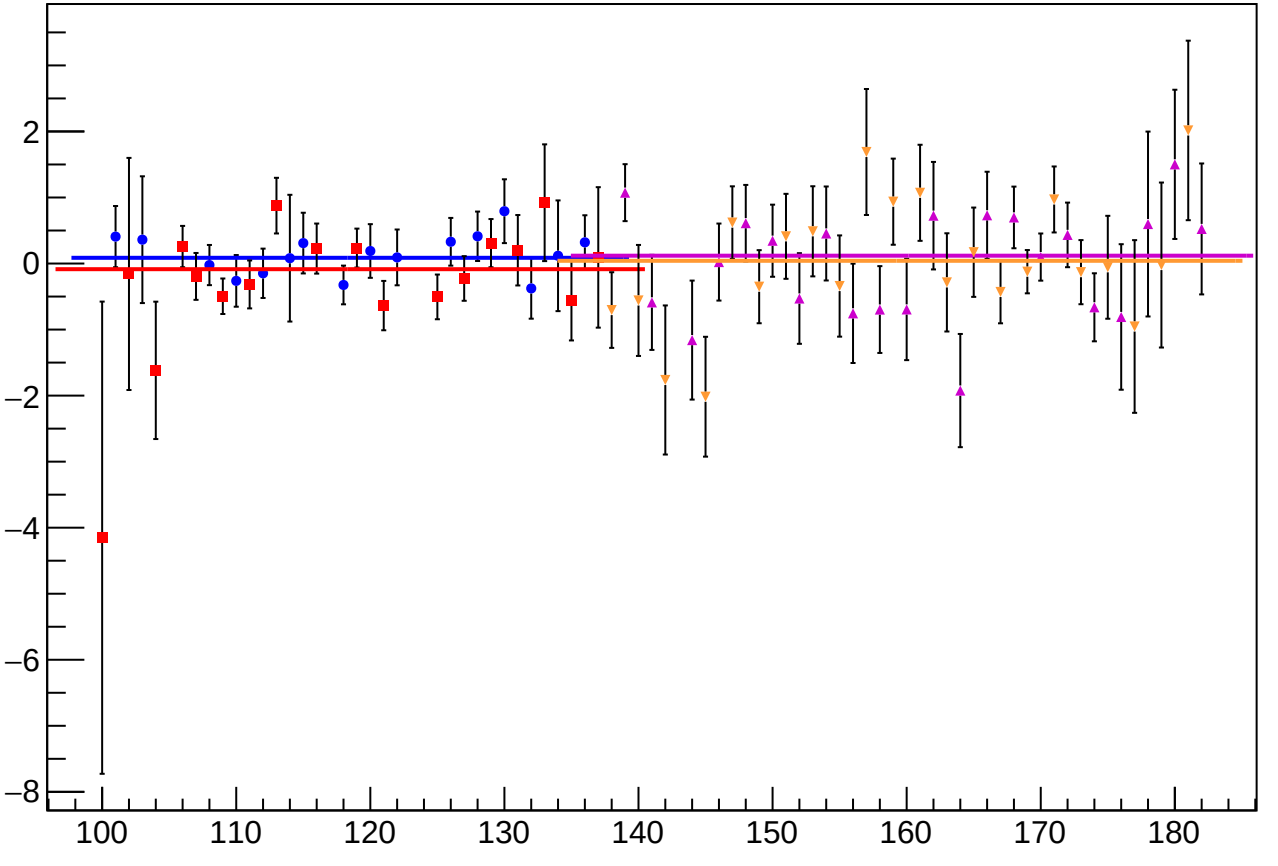
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 366.482+/-0.058 χ^2/NDF:9526681.4/37

Out: 333.058+/-0.056 χ^2/NDF:12062287.9/39

All: 349.080+/-0.040 χ^2/NDF: 21759916.4/77

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: 0.041+/-0.136 χ^2/NDF:27.2/21

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.119+/-0.133 χ^2/NDF:27.8/21

Left: 0.081+/-0.095 χ^2/NDF: 55.1/43

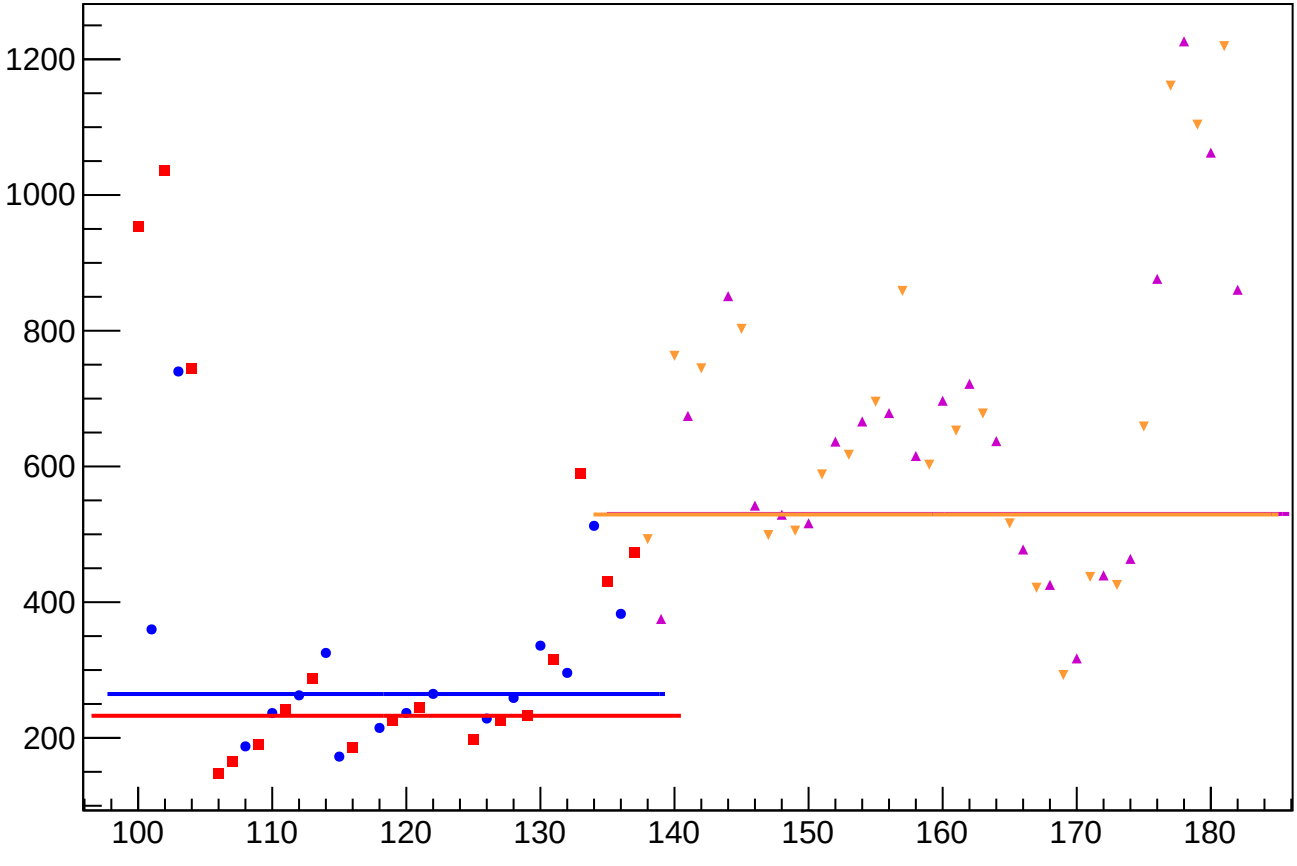
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.099+/-0.082 χ^2/NDF:36.7/37

Out: -0.043+/-0.079 χ^2/NDF:49.6/39

All: 0.025+/-0.057 χ^2/NDF: 87.7/77

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: 529.201+/-0.096 χ^2/NDF:3739634.7/21

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 530.024+/-0.094 χ^2/NDF:3348857.7/21

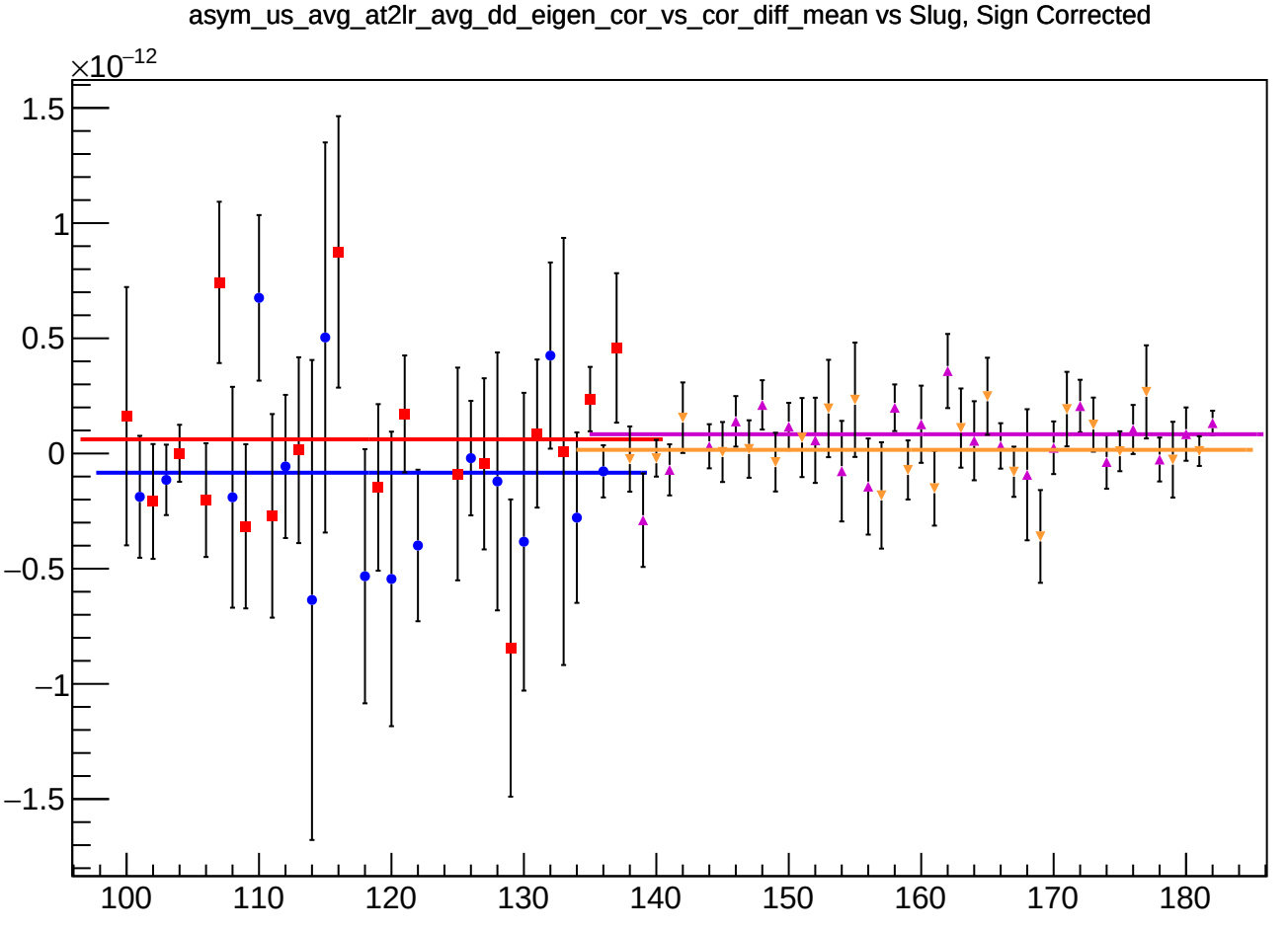
Left: 529.621+/-0.067 χ^2/NDF: 7088529.8/43

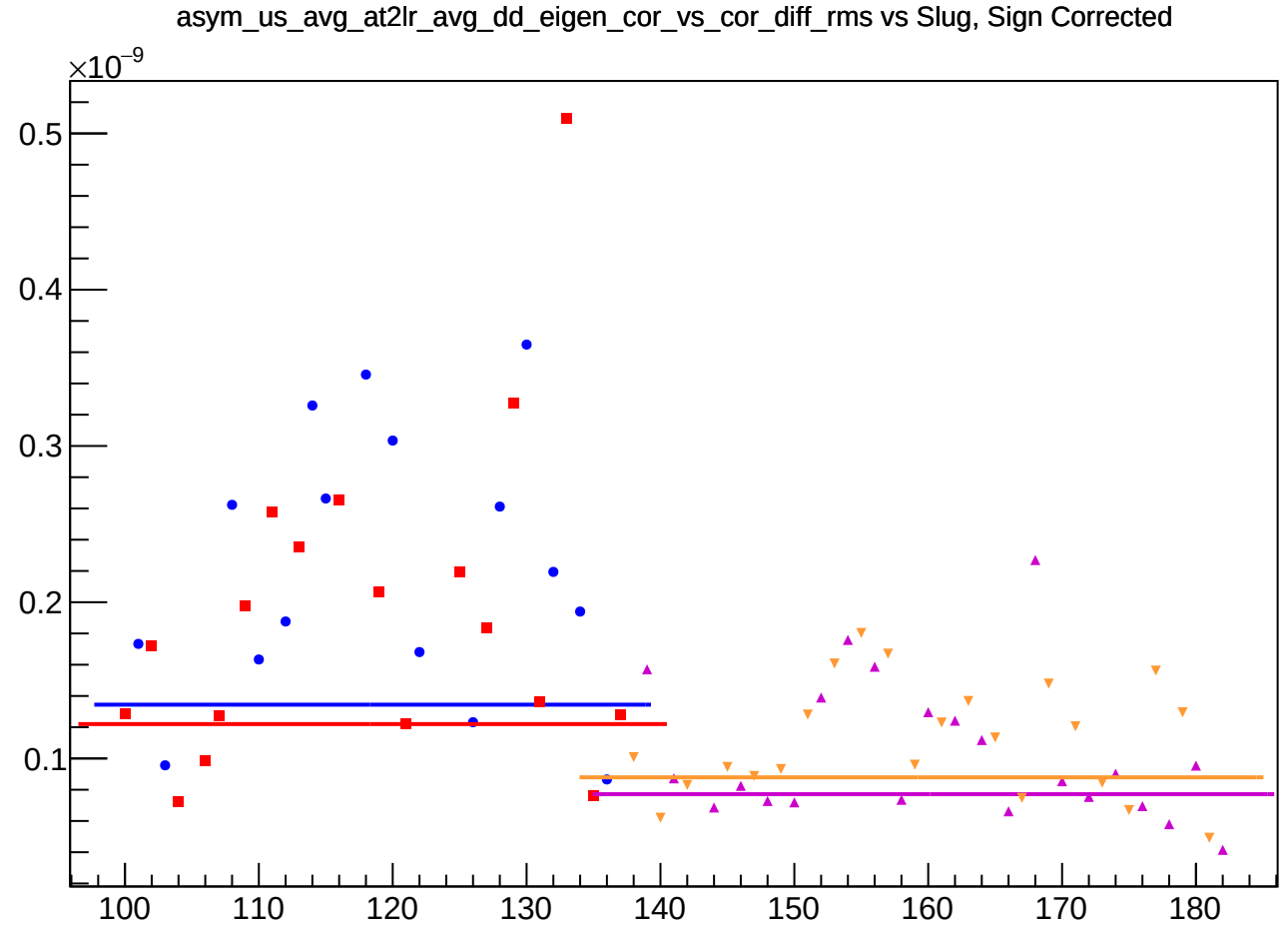
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

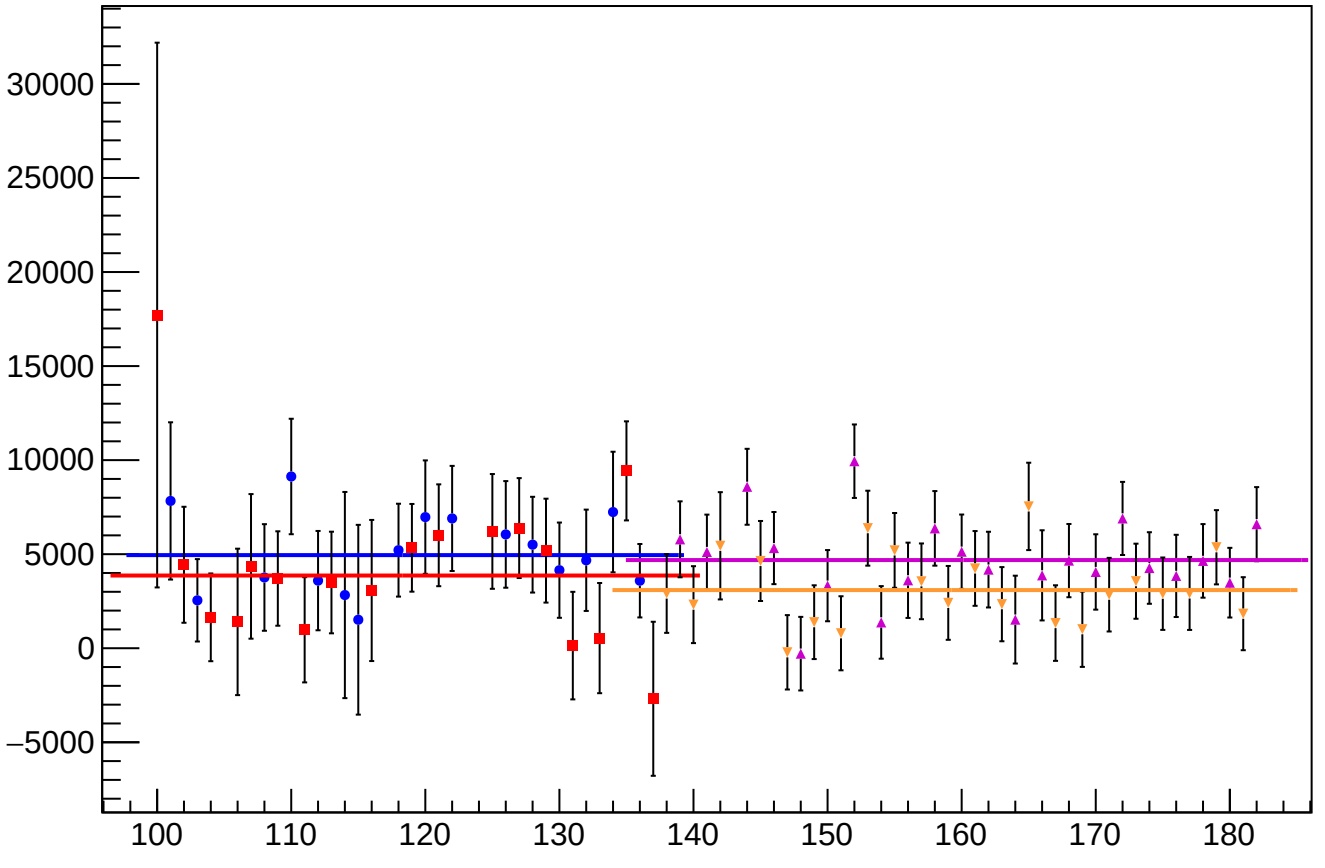
In: 366.482+/-0.058 χ^2/NDF:9526681.4/37

Out: 333.058+/-0.056 χ^2/NDF:12062287.9/39

All: 349.080+/-0.040 χ^2/NDF: 21759916.4/77


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 9.7/15
Left Out: 0.000+/-0.000 χ²/NDF:15.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: 0.000+/-0.000 χ²/NDF:18.8/21
Left: 0.000+/-0.000 χ²/NDF: 37.5/43
Right: -0.000+/-0.000 χ²/NDF: 27.8/33
In: 0.000+/-0.000 χ²/NDF:33.7/37
Out: 0.000+/-0.000 χ²/NDF:31.5/39
All: 0.000+/-0.000 χ²/NDF: 66.8/77


asym_us_avg_at2lr_avg_dd_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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2888489.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:3391465.3/21
Left: 0.000+/-0.000 χ²/NDF: 6455791.0/43
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:6435334.8/37
Out: 0.000+/-0.000 χ²/NDF:5366026.7/39
All: 0.000+/-0.000 χ²/NDF: 11965924.8/77



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3091.257+/-431.948 χ^2/NDF:18.1/21

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4686.938+/-425.394 χ^2/NDF:27.4/21

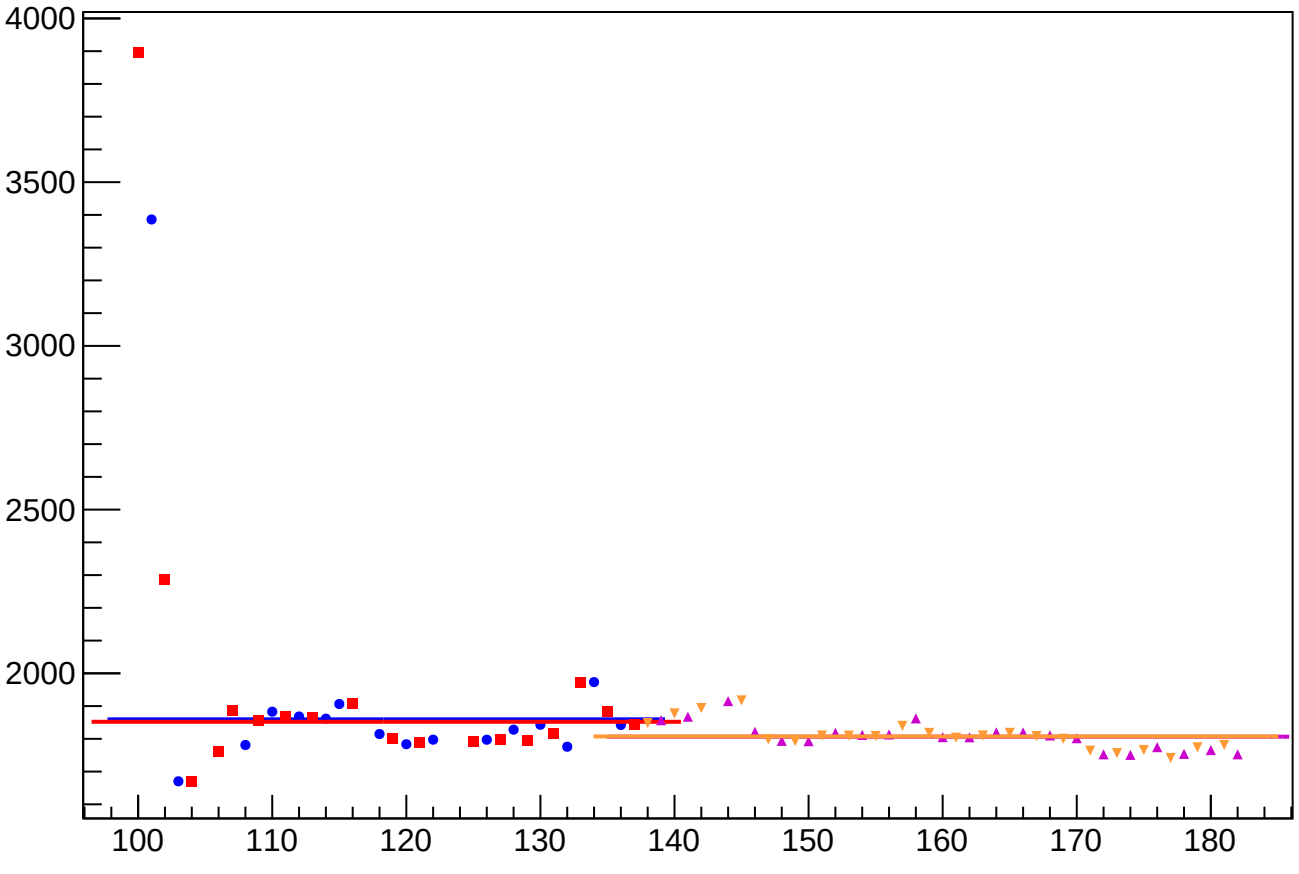
Left: 3901.295+/-303.090 χ^2/NDF: 52.5/43

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4758.131+/-363.381 χ^2/NDF:34.3/37

Out: 3306.545+/-366.981 χ^2/NDF:35.2/39

All: 4039.491+/-258.213 χ^2/NDF: 77.4/77



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1807.260+/-0.305 χ^2/NDF:17575.0/21

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1806.578+/-0.301 χ^2/NDF:18651.9/21

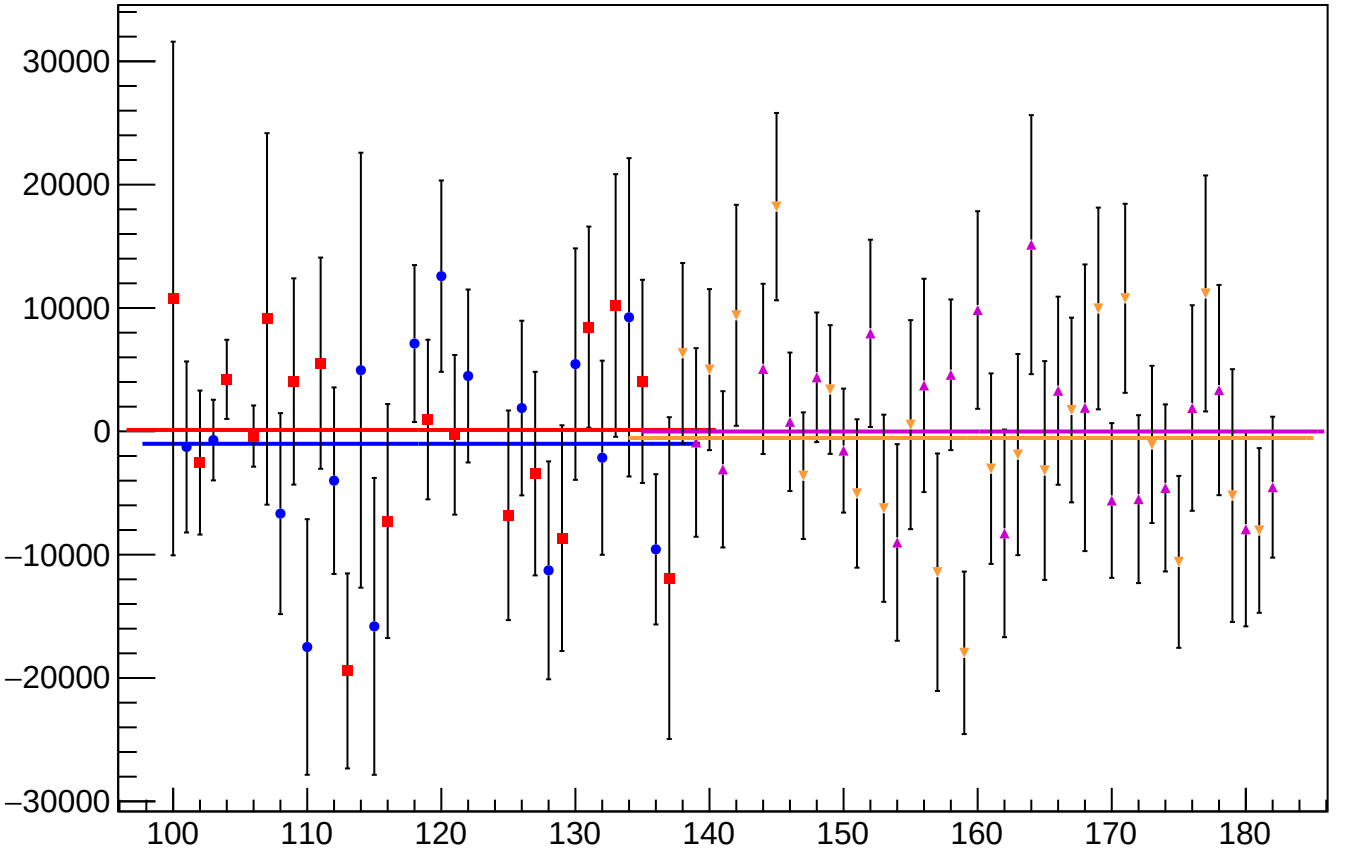
Left: 1806.914+/-0.214 χ^2/NDF: 36229.4/43

Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1820.886+/-0.257 χ^2/NDF:319356.5/37

Out: 1819.779+/-0.259 χ^2/NDF:125800.0/39

All: 1820.337+/-0.183 χ^2/NDF: 445165.7/77



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -540.646+/-1539.763 χ^2/NDF:28.5/21

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -12.837+/-1489.212 χ^2/NDF:13.2/21

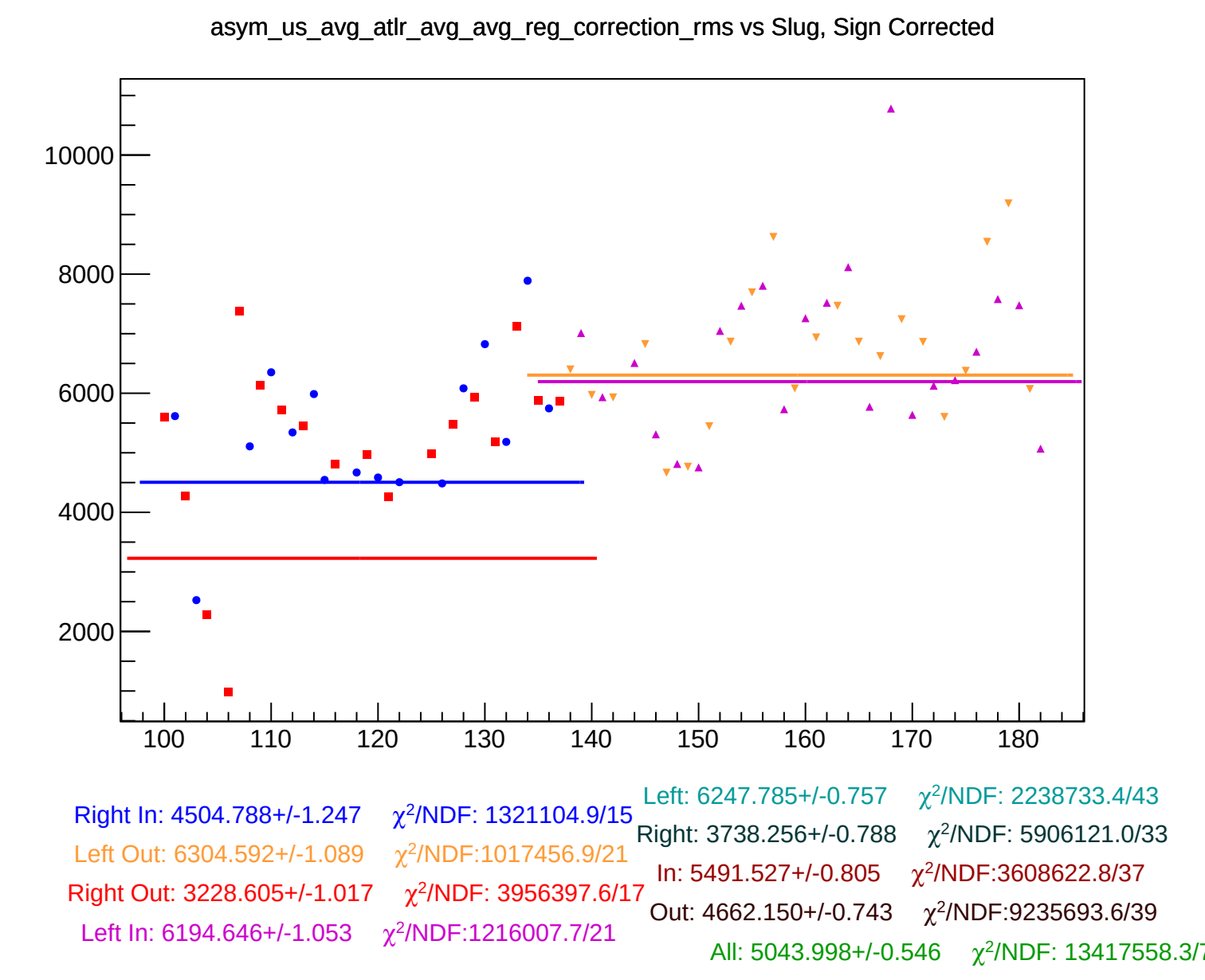
Left: -267.935+/-1070.457 χ^2/NDF: 41.8/43

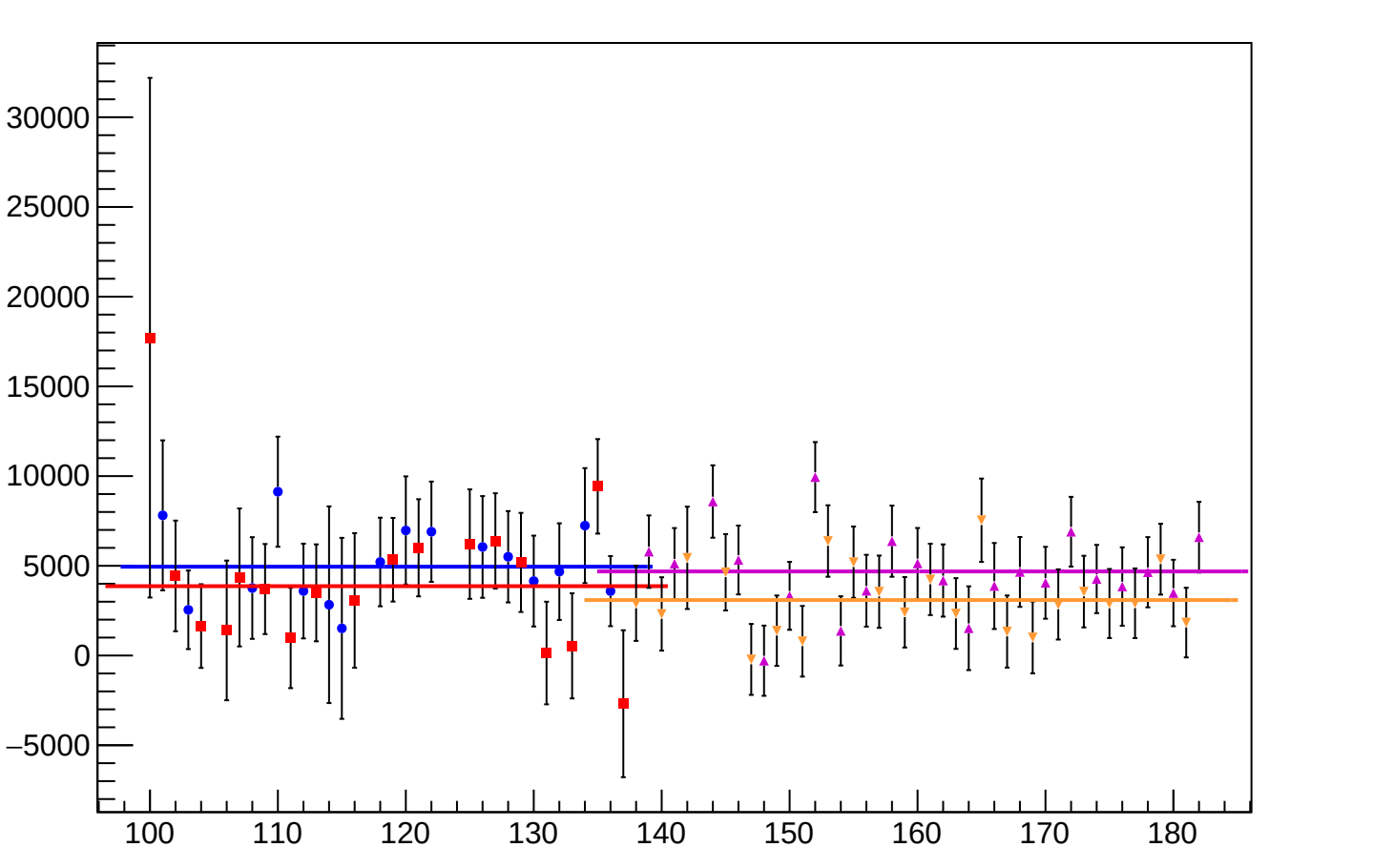
Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -427.858+/-1137.974 χ^2/NDF:28.2/37

Out: -192.556+/-1051.156 χ^2/NDF:43.2/39

All: -300.890+/-772.150 χ^2/NDF: 71.4/77


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
Right In: 4504.788+/-1.247 χ²/NDF: 1321104.9/15
Left Out: 6304.592+/-1.089 χ²/NDF:1017456.9/21
Right Out: 3228.605+/-1.017 χ²/NDF: 3956397.6/17
Left In: 6194.646+/-1.053 χ²/NDF:1216007.7/21
Left: 6247.785+/-0.757 χ²/NDF: 2238733.4/43
Right: 3738.256+/-0.788 χ²/NDF: 5906121.0/33
In: 5491.527+/-0.805 χ²/NDF:3608622.8/37
Out: 4662.150+/-0.743 χ²/NDF:9235693.6/39
All: 5043.998+/-0.546 χ²/NDF: 13417558.3/7



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3091.199+/-431.948 χ^2/NDF:18.1/21

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4686.941+/-425.394 χ^2/NDF:27.4/21

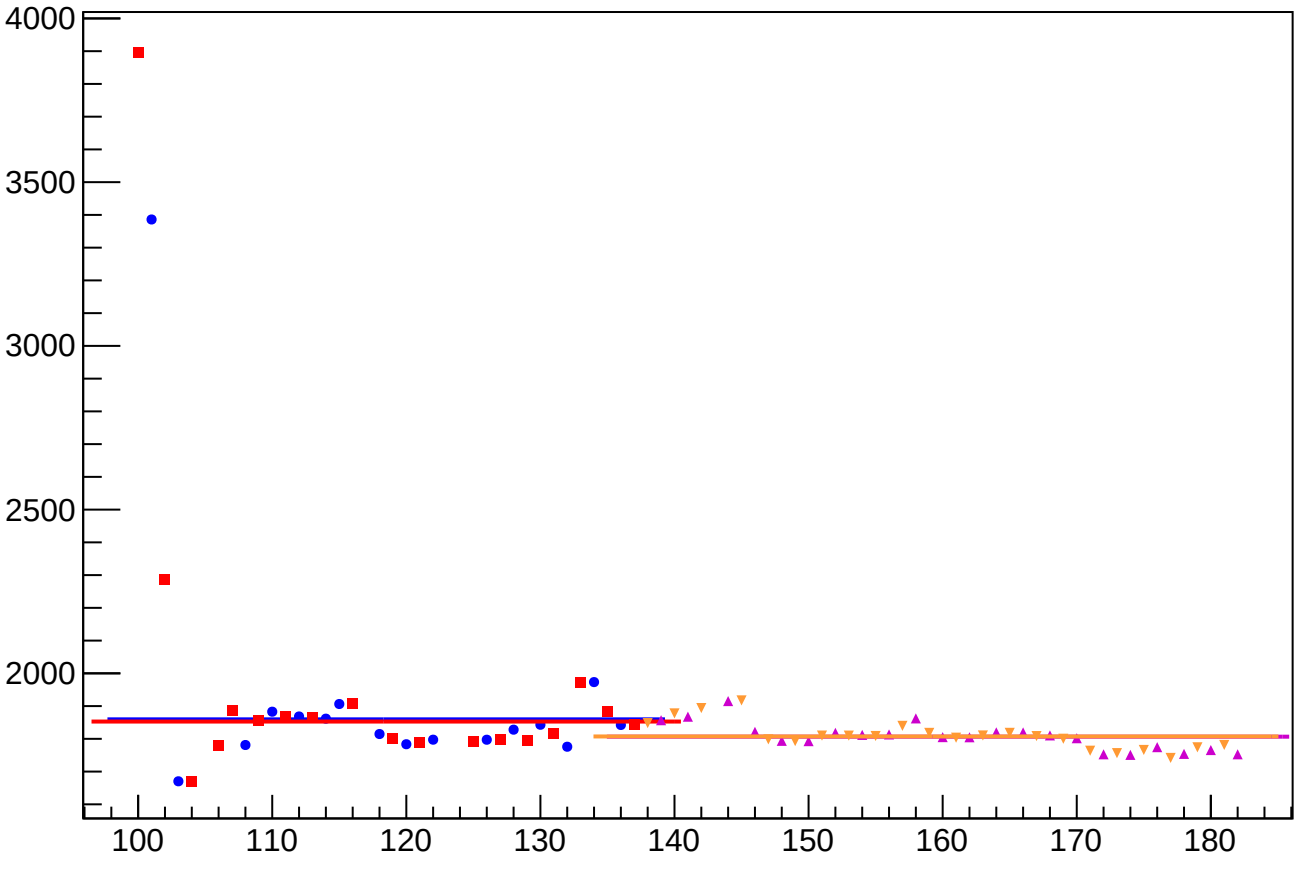
Left: 3901.269+/-303.090 χ^2/NDF: 52.5/43

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4758.002+/-363.381 χ^2/NDF:34.3/37

Out: 3306.444+/-366.981 χ^2/NDF:35.2/39

All: 4039.376+/-258.213 χ^2/NDF: 77.4/77



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1807.260+/-0.305 χ^2/NDF:17575.0/21

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1806.578+/-0.301 χ^2/NDF:18651.9/21

Left: 1806.914+/-0.214 χ^2/NDF: 36229.4/43

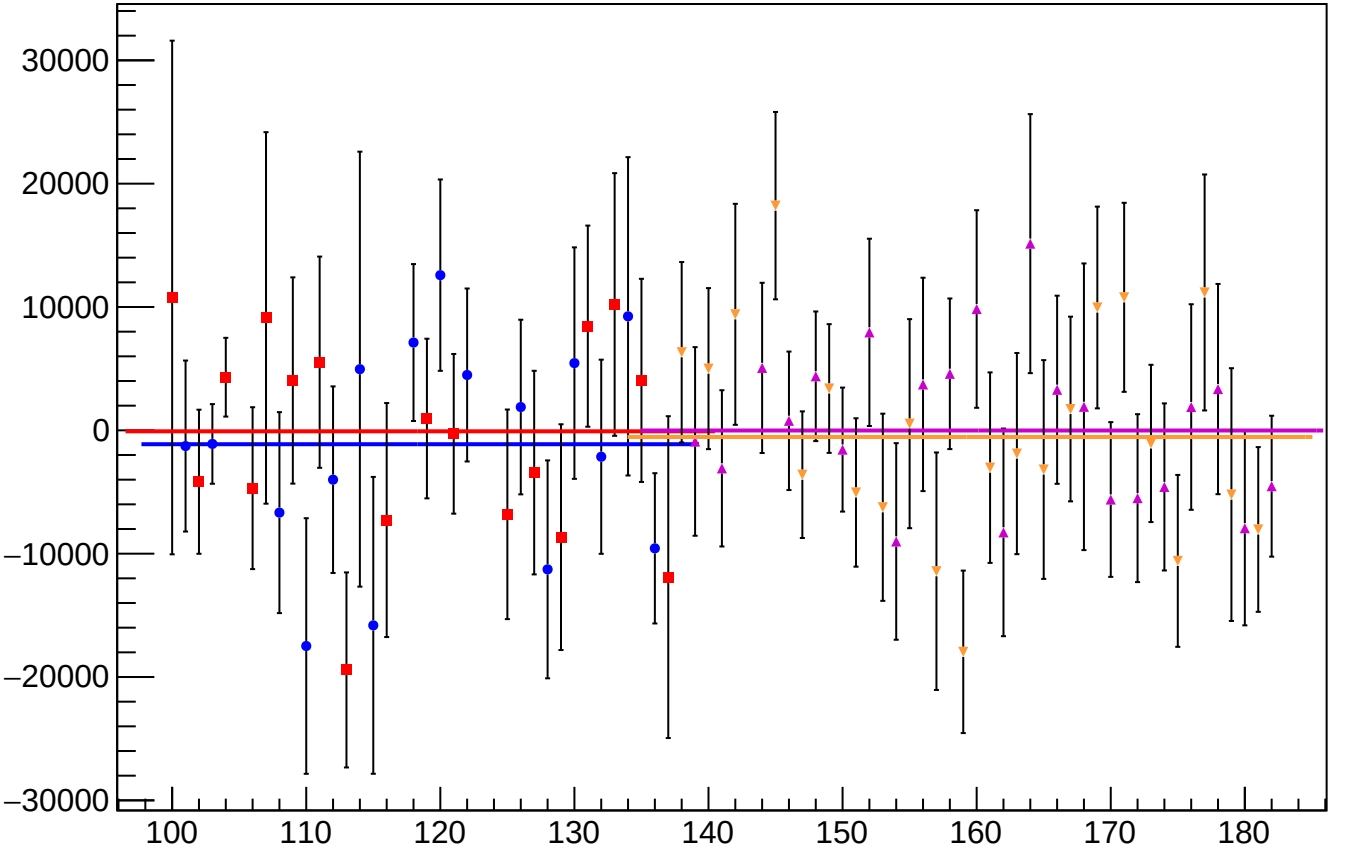
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1820.886+/-0.257 χ^2/NDF:319358.3/37

Out: 1819.970+/-0.259 χ^2/NDF:125526.0/39

All: 1820.432+/-0.183 χ^2/NDF: 444890.6/77

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: -540.656+/-1539.761 χ^2/NDF:28.5/21

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -12.778+/-1489.211 χ^2/NDF:13.2/21

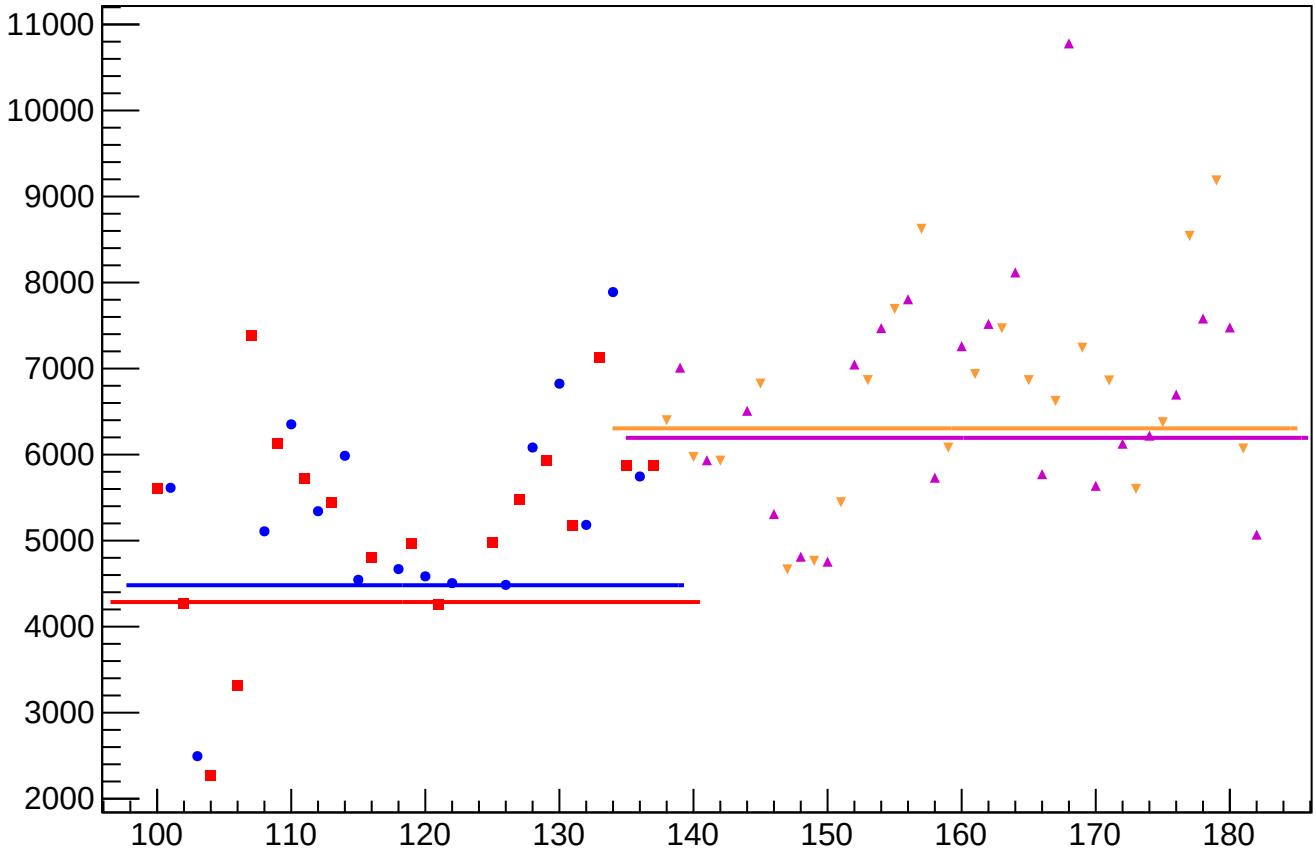
Left: -267.910+/-1070.456 χ^2/NDF: 41.8/43

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -477.726+/-1136.277 χ^2/NDF:28.2/37

Out: -332.606+/-1141.970 χ^2/NDF:44.0/39

All: -405.529+/-805.474 χ^2/NDF: 72.3/77



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6304.587+/-1.089 χ^2/NDF:1017468.2/21

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6194.644+/-1.053 χ^2/NDF:1216016.1/21

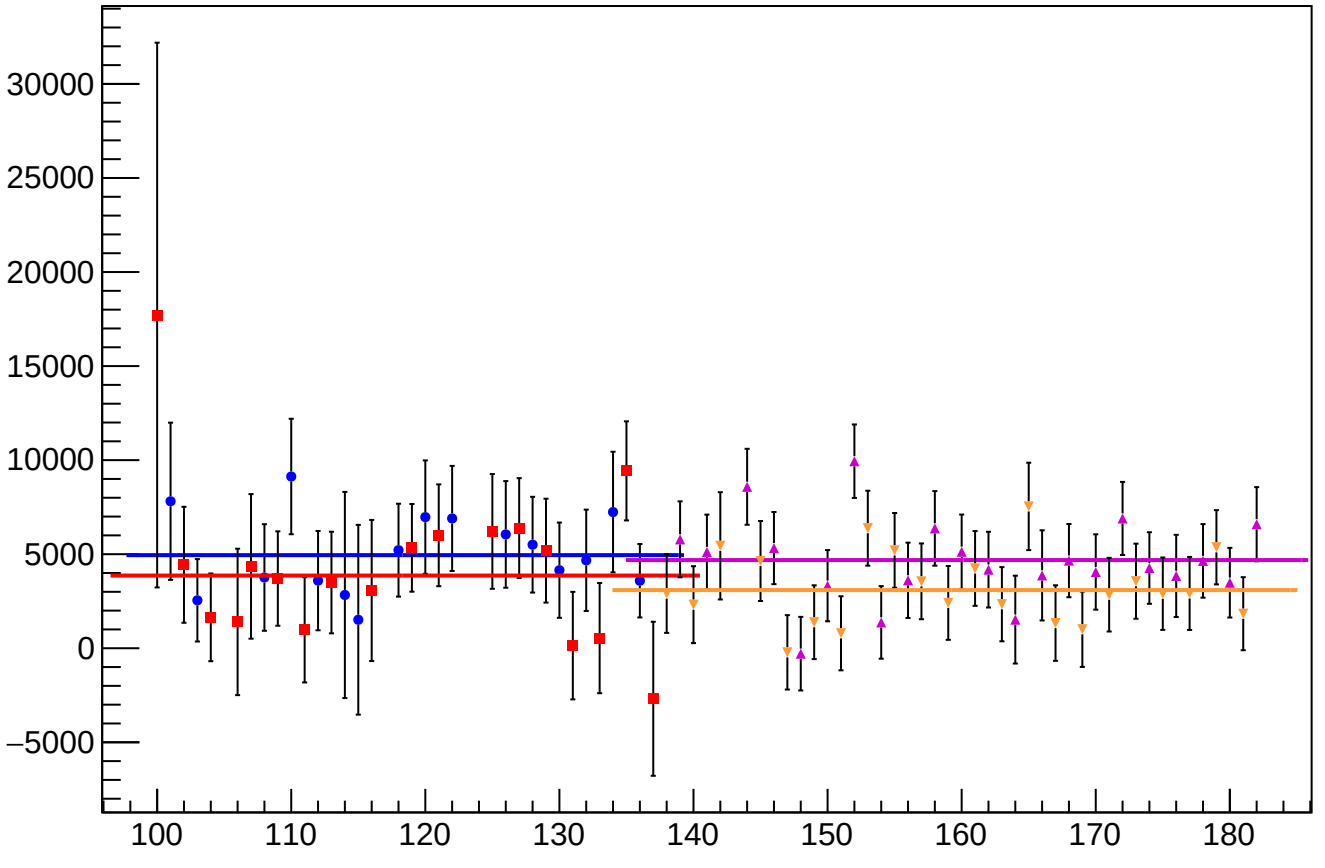
Left: 6247.781+/-0.757 χ^2/NDF: 2238752.7/43

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5478.862+/-0.803 χ^2/NDF:3684099.3/37

Out: 5396.381+/-0.807 χ^2/NDF:4113742.9/39

All: 5437.827+/-0.570 χ^2/NDF: 7803084.9/77



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3091.199+/-431.948 χ^2/NDF:18.1/21

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4686.941+/-425.394 χ^2/NDF:27.4/21

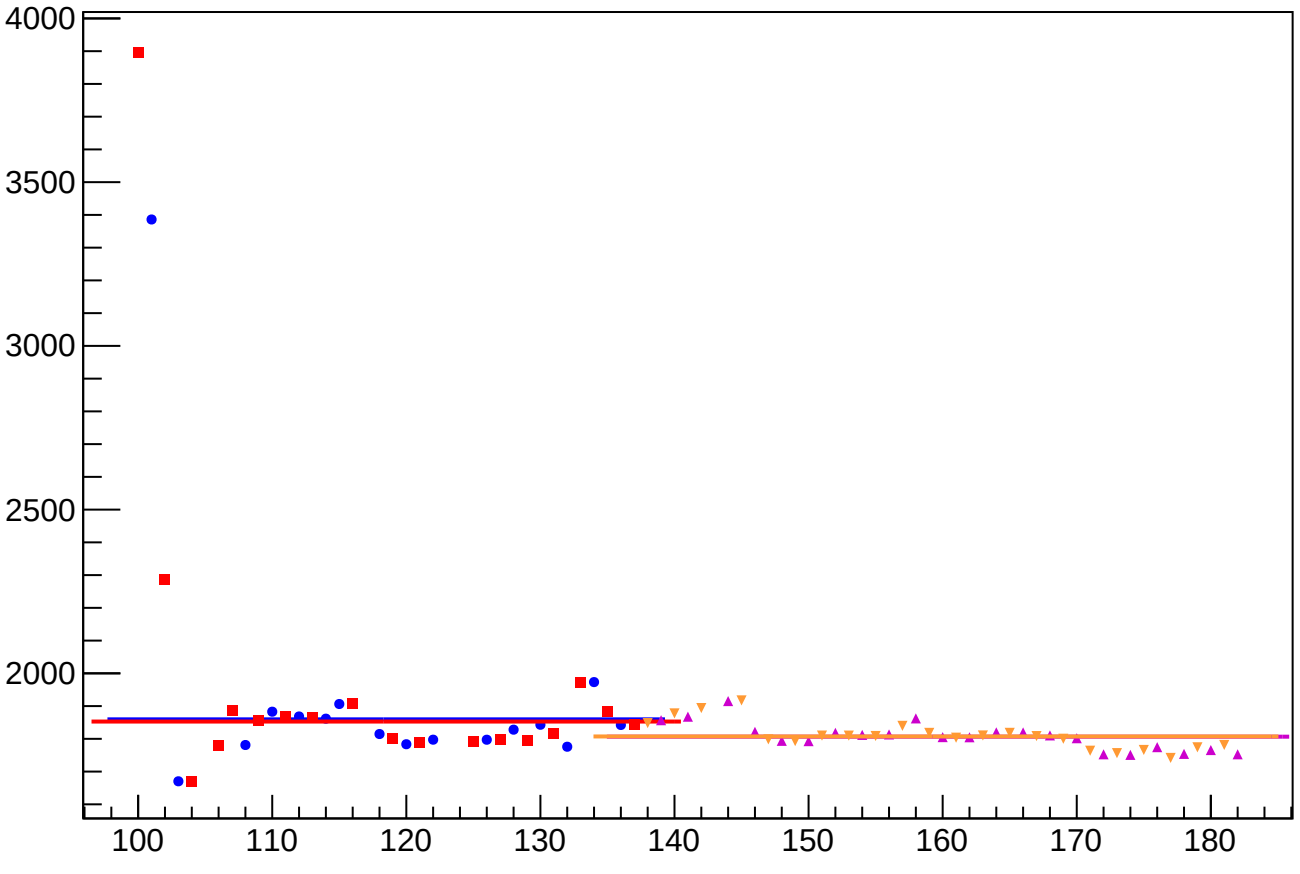
Left: 3901.269+/-303.090 χ^2/NDF: 52.5/43

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4758.002+/-363.381 χ^2/NDF:34.3/37

Out: 3306.444+/-366.981 χ^2/NDF:35.2/39

All: 4039.376+/-258.213 χ^2/NDF: 77.4/77



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1807.260+/-0.305 χ^2/NDF:17575.0/21

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1806.578+/-0.301 χ^2/NDF:18651.9/21

Left: 1806.914+/-0.214 χ^2/NDF: 36229.4/43

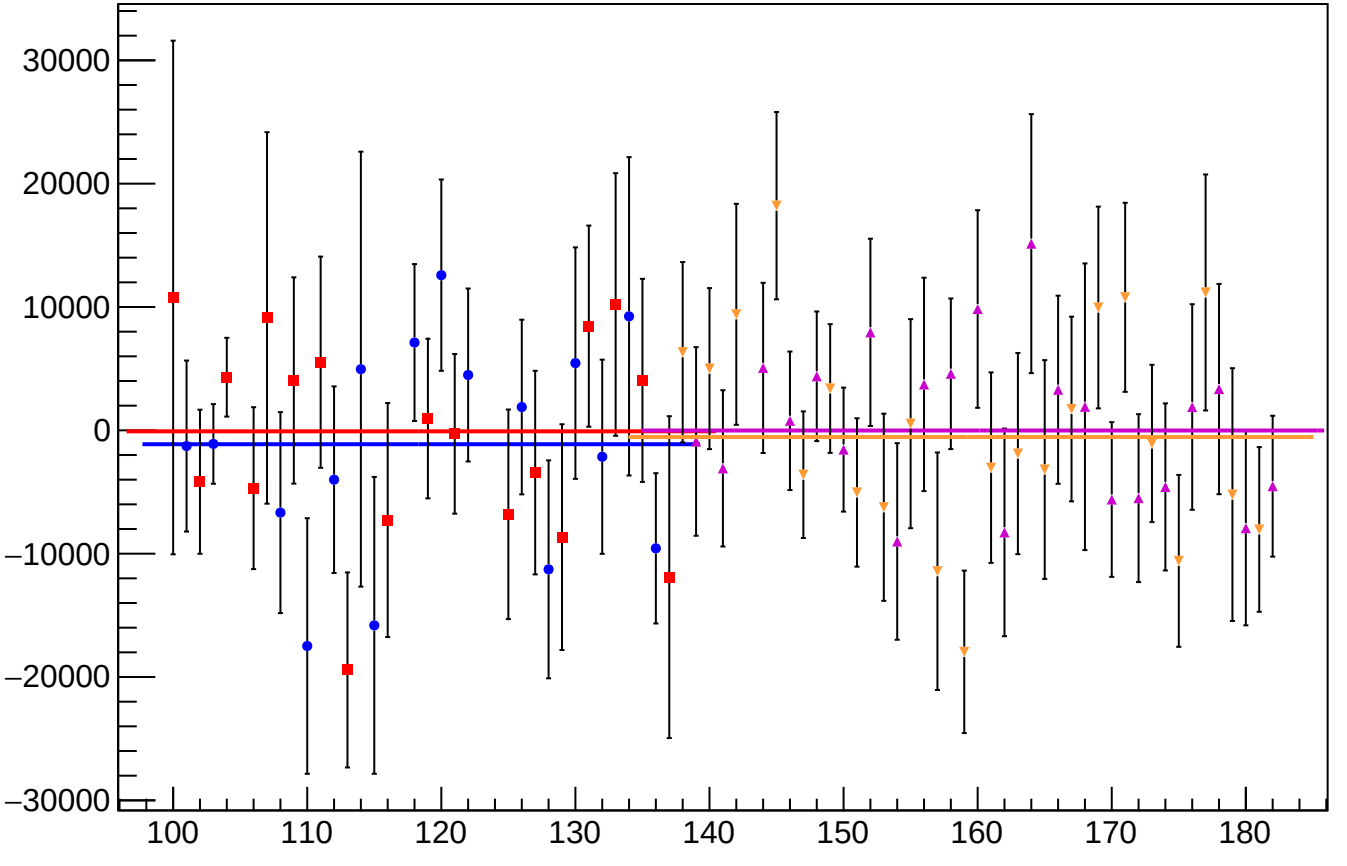
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1820.886+/-0.257 χ^2/NDF:319358.3/37

Out: 1819.970+/-0.259 χ^2/NDF:125526.0/39

All: 1820.432+/-0.183 χ^2/NDF: 444890.6/77

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: -540.656+/-1539.761 χ^2/NDF:28.5/21

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -12.778+/-1489.211 χ^2/NDF:13.2/21

Left: -267.910+/-1070.456 χ^2/NDF: 41.8/43

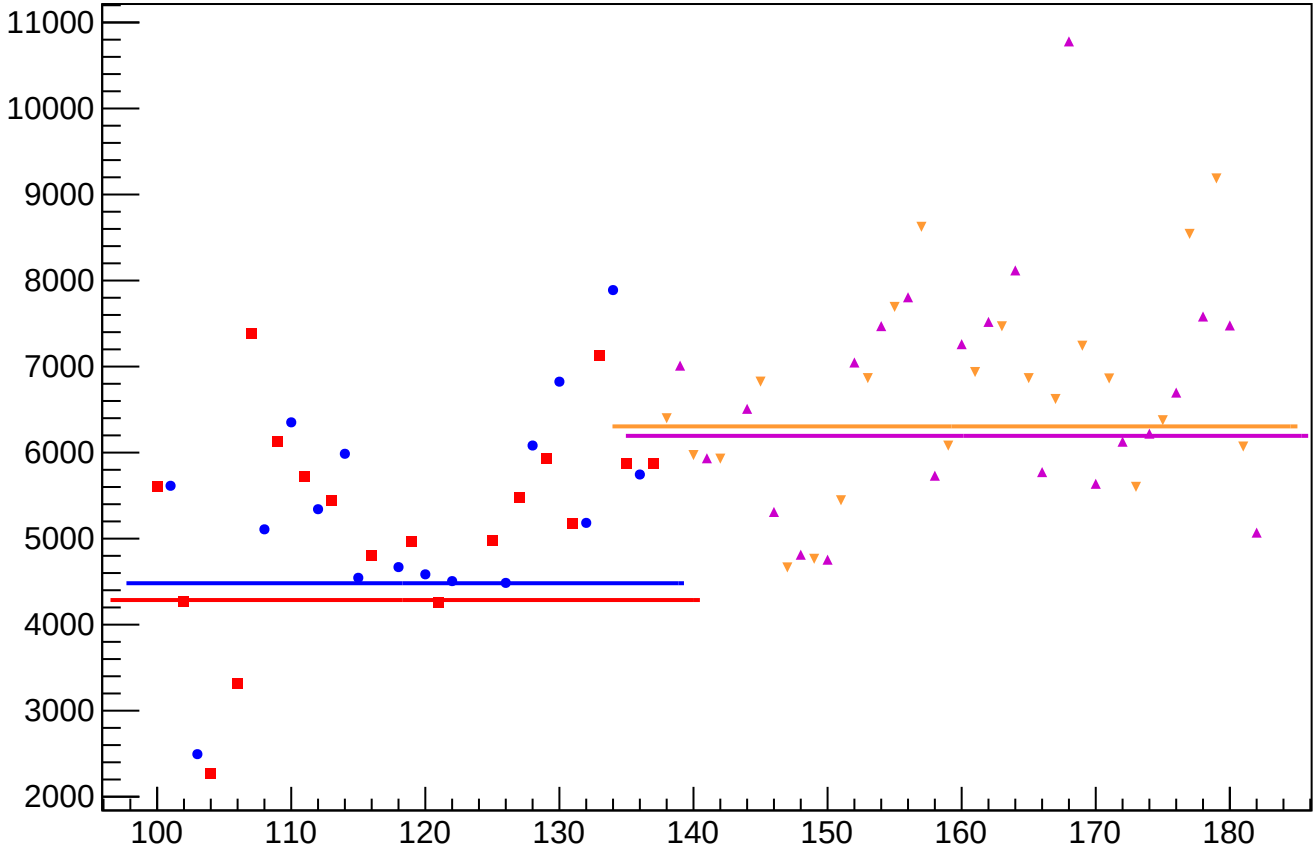
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -477.726+/-1136.277 χ^2/NDF:28.2/37

Out: -332.606+/-1141.970 χ^2/NDF:44.0/39

All: -405.529+/-805.474 χ^2/NDF: 72.3/77

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6304.587+/-1.089 χ^2/NDF:1017468.2/21

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6194.644+/-1.053 χ^2/NDF:1216016.1/21

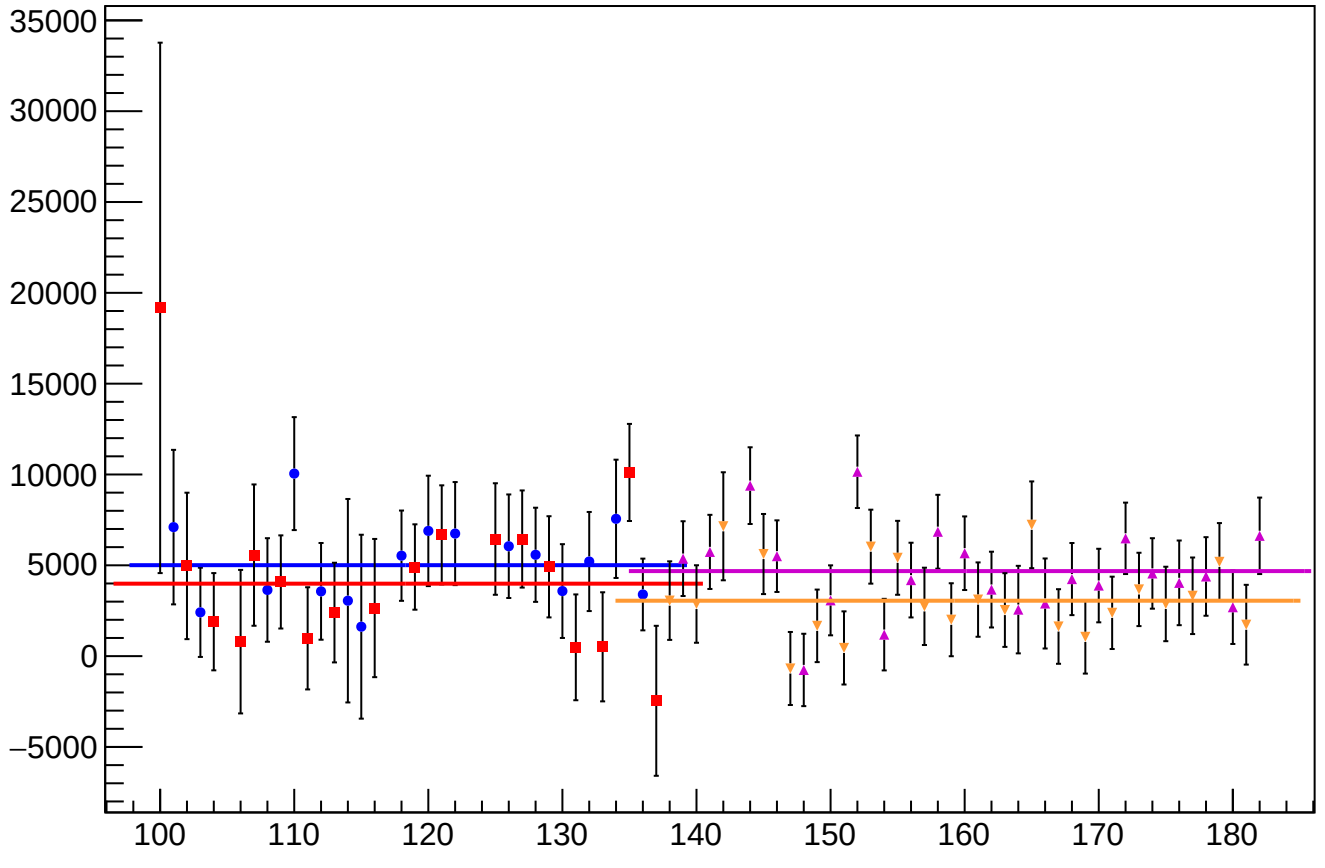
Left: 6247.781+/-0.757 χ^2/NDF: 2238752.7/43

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5478.862+/-0.803 χ^2/NDF:3684099.3/37

Out: 5396.381+/-0.807 χ^2/NDF:4113742.9/39

All: 5437.827+/-0.570 χ^2/NDF: 7803084.9/77



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3050.779+/-448.325 χ^2/NDF:18.8/21

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4681.657+/-440.022 χ^2/NDF:30.3/21

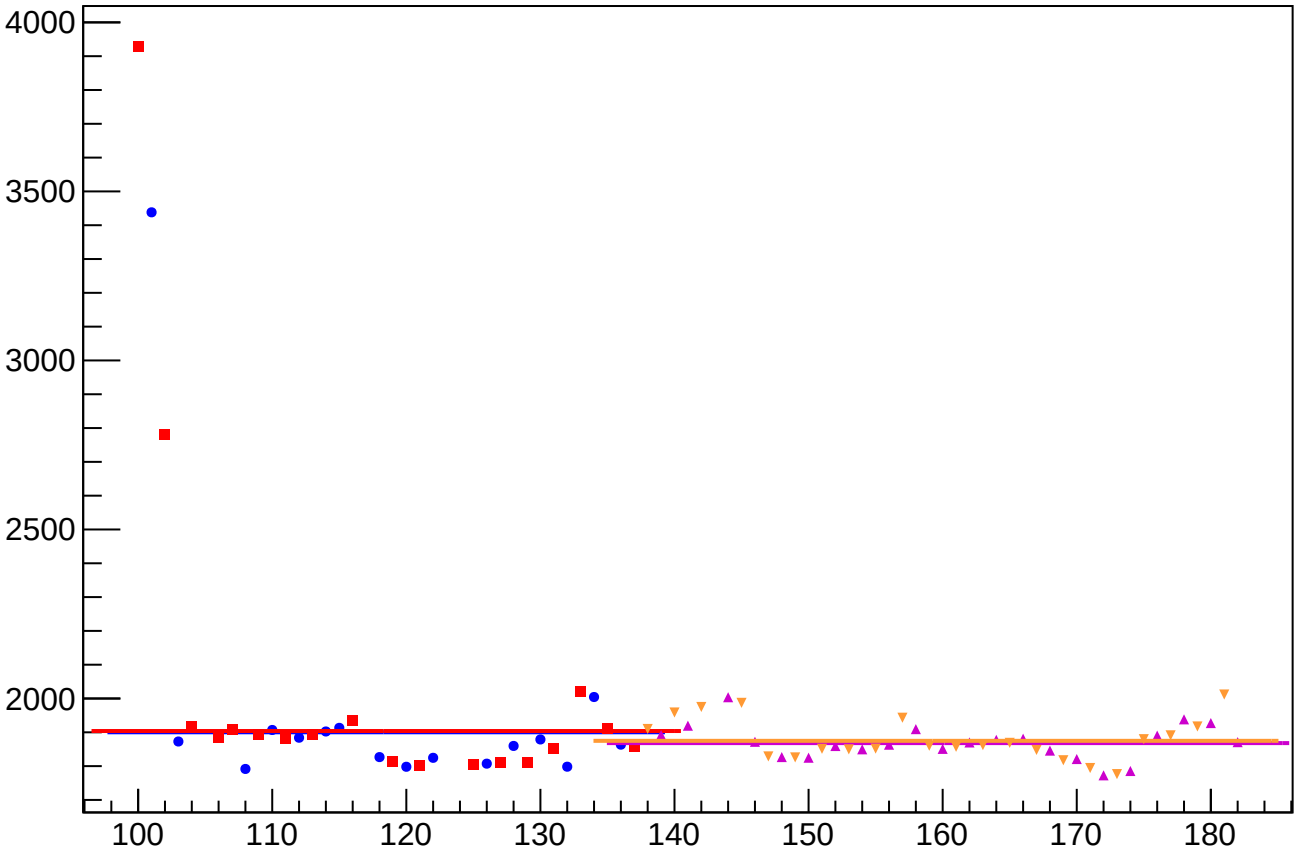
Left: 3881.459+/-314.037 χ^2/NDF: 55.8/43

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4771.285+/-374.608 χ^2/NDF:38.1/37

Out: 3313.479+/-380.432 χ^2/NDF:37.4/39

All: 4053.626+/-266.923 χ^2/NDF: 82.9/77



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1874.811+/-0.317 χ^2/NDF:35257.9/21

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1868.102+/-0.311 χ^2/NDF:26622.3/21

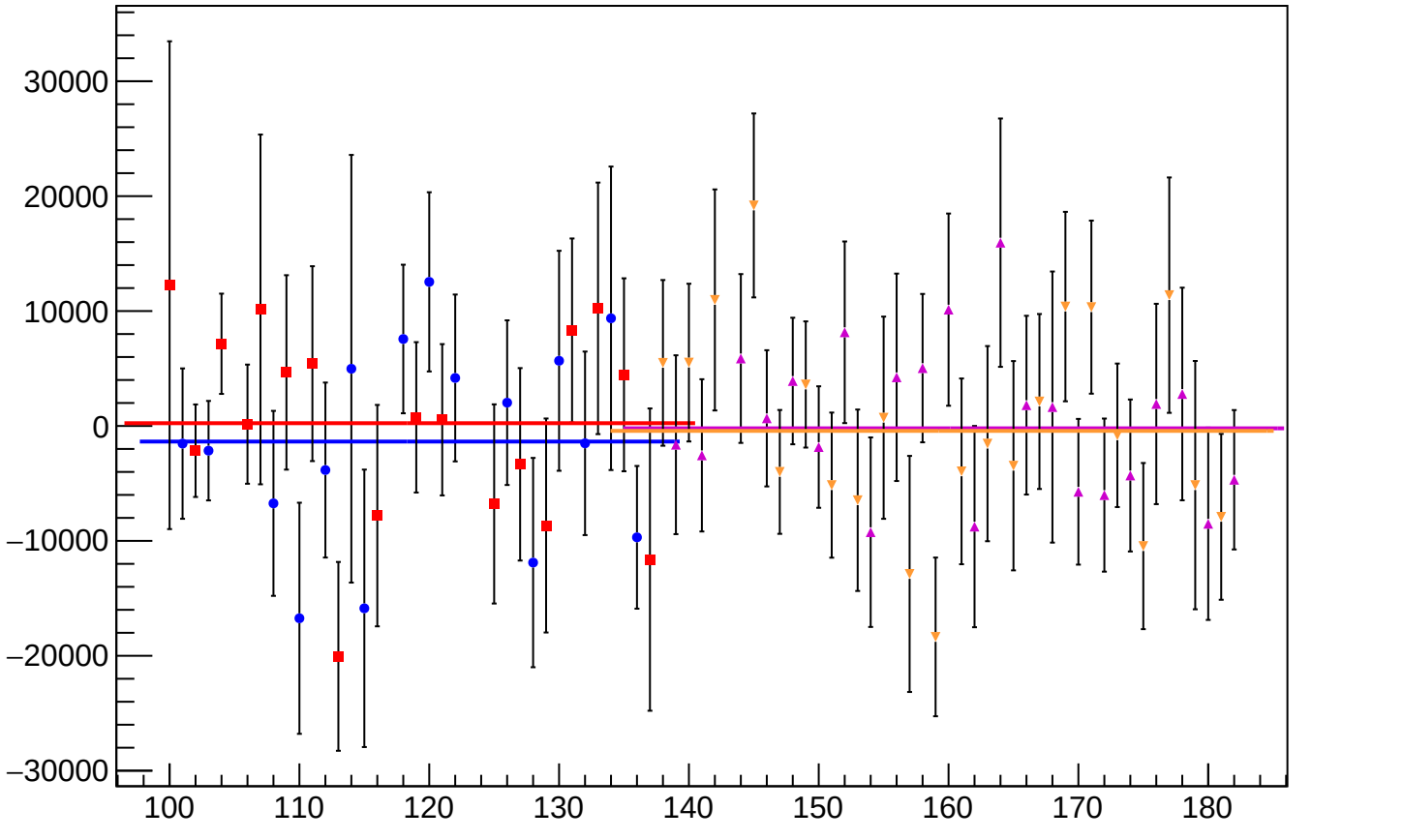
Left: 1871.394+/-0.222 χ^2/NDF: 62108.3/43

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1876.911+/-0.265 χ^2/NDF:307983.4/37

Out: 1882.946+/-0.269 χ^2/NDF:187722.6/39

All: 1879.883+/-0.189 χ^2/NDF: 495961.6/77



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -427.801+/-1597.479 χ^2/NDF:27.9/21

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -204.809+/-1546.289 χ^2/NDF:13.1/21

Left: -312.675+/-1111.048 χ^2/NDF: 41.1/43

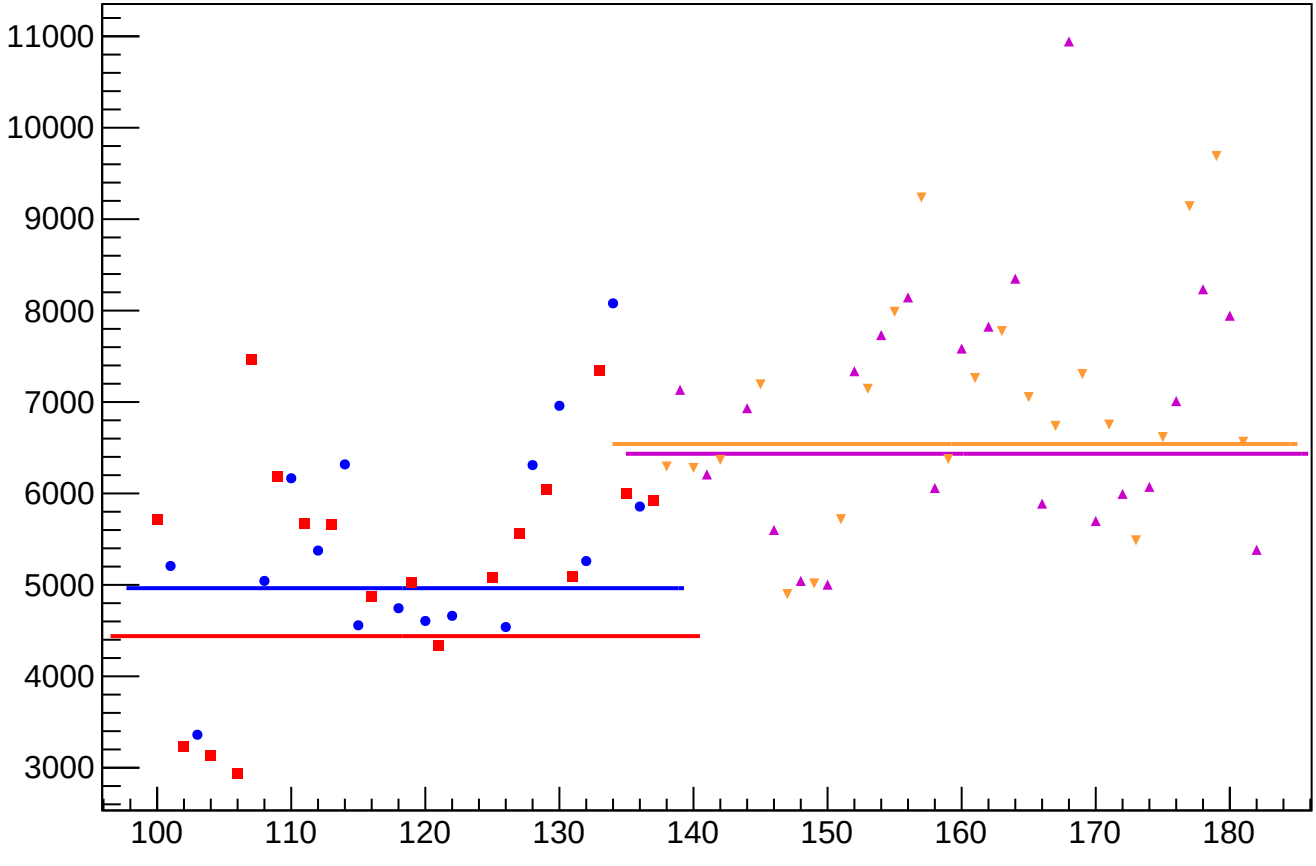
Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -664.895+/-1198.301 χ^2/NDF:28.1/37

Out: -116.577+/-1168.194 χ^2/NDF:43.7/39

All: -383.761+/-836.479 χ^2/NDF: 71.9/77

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6541.152+/-1.130 χ^2/NDF:1038607.6/21

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6434.108+/-1.093 χ^2/NDF:1199873.2/21

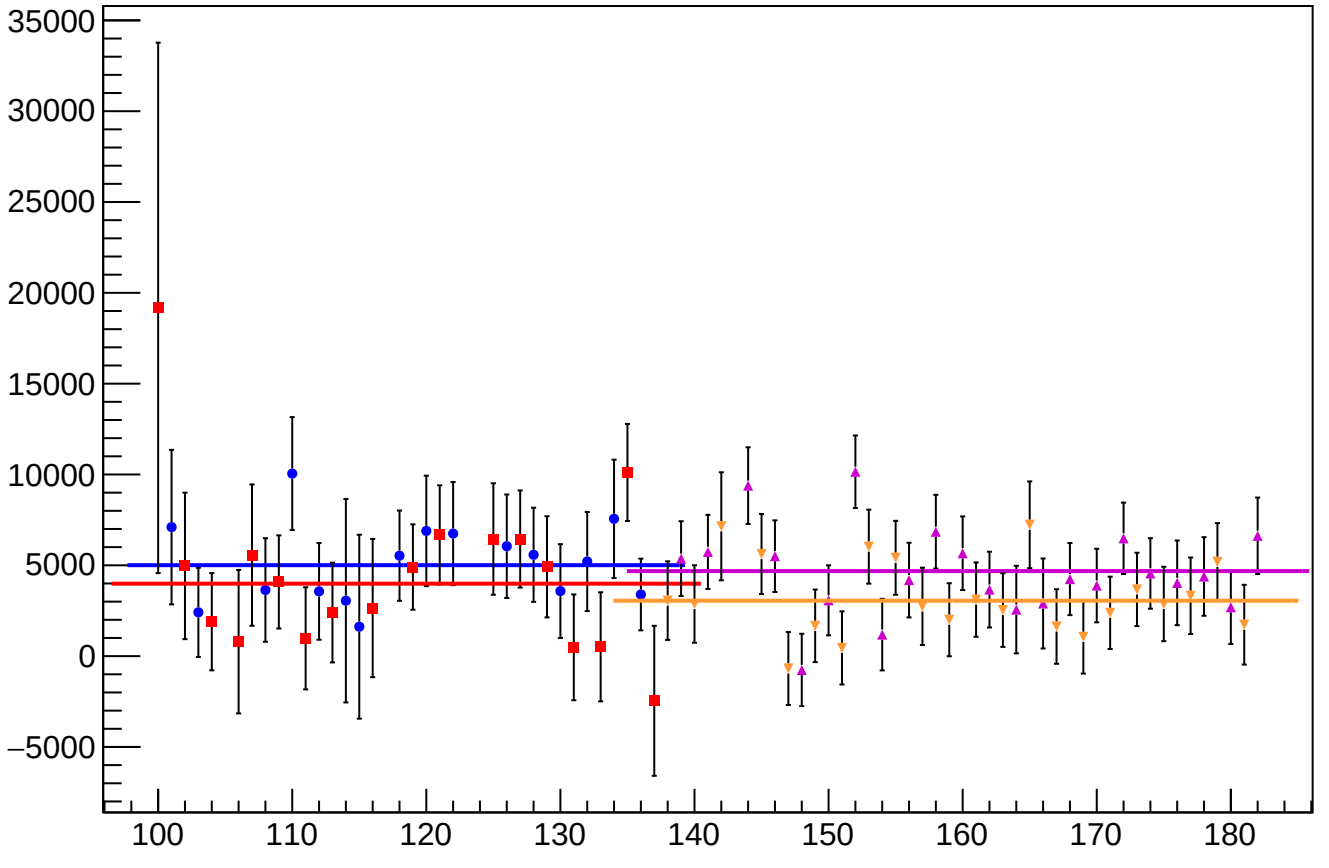
Left: 6485.887+/-0.786 χ^2/NDF: 2243117.0/43

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5846.876+/-0.847 χ^2/NDF:2549368.7/37

Out: 5563.461+/-0.826 χ^2/NDF:3807339.0/39

All: 5701.564+/-0.591 χ^2/NDF: 6414069.5/77



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3050.773+/-448.325 χ^2/NDF:18.8/21

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4681.658+/-440.022 χ^2/NDF:30.3/21

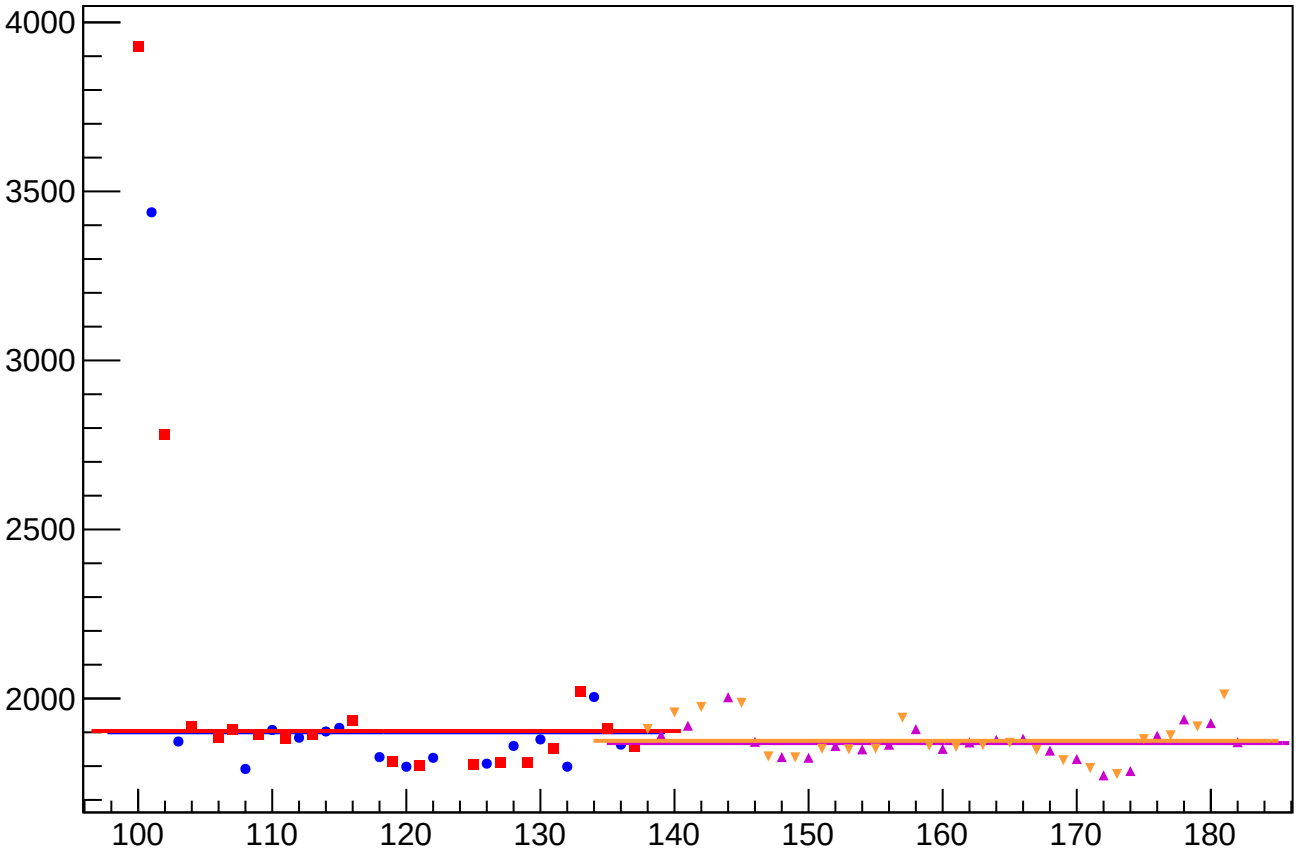
Left: 3881.457+/-314.037 χ^2/NDF: 55.8/43

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4771.286+/-374.608 χ^2/NDF:38.1/37

Out: 3313.475+/-380.432 χ^2/NDF:37.4/39

All: 4053.624+/-266.923 χ^2/NDF: 82.9/77



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1874.812+/-0.317 χ^2/NDF:35258.9/21

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1868.103+/-0.311 χ^2/NDF:26623.5/21

Left: 1871.395+/-0.222 χ^2/NDF: 62110.5/43

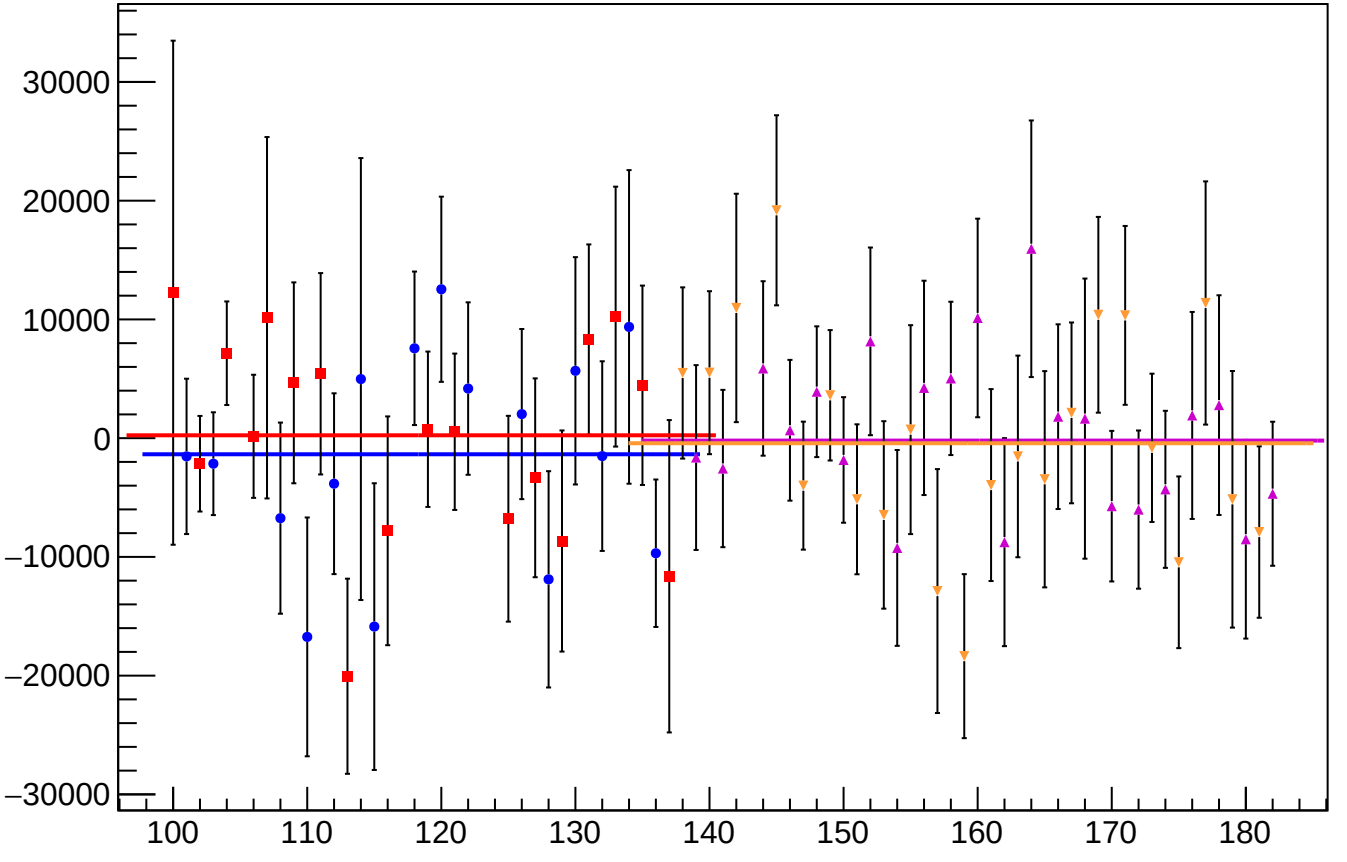
Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1876.912+/-0.265 χ^2/NDF:307984.5/37

Out: 1882.947+/-0.269 χ^2/NDF:187722.6/39

All: 1879.884+/-0.189 χ^2/NDF: 495962.7/77

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -427.807+/-1597.482 χ^2/NDF:27.9/21

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -204.810+/-1546.291 χ^2/NDF:13.1/21

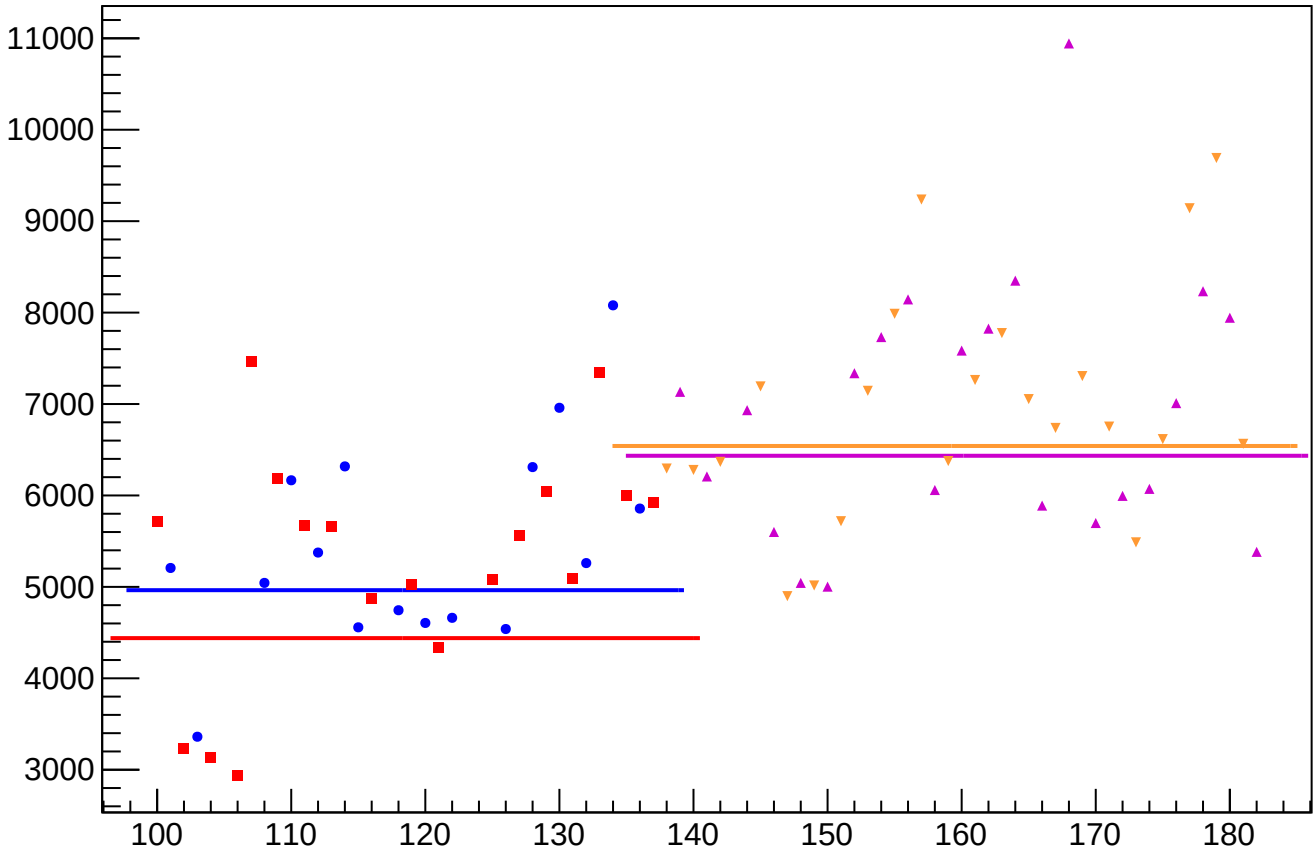
Left: -312.678+/-1111.050 χ^2/NDF: 41.1/43

Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -664.894+/-1198.301 χ^2/NDF:28.1/37

Out: -116.578+/-1168.193 χ^2/NDF:43.7/39

All: -383.761+/-836.479 χ^2/NDF: 71.9/77



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6541.162+/-1.130 χ^2/NDF:1038610.1/21

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6434.118+/-1.093 χ^2/NDF:1199876.4/21

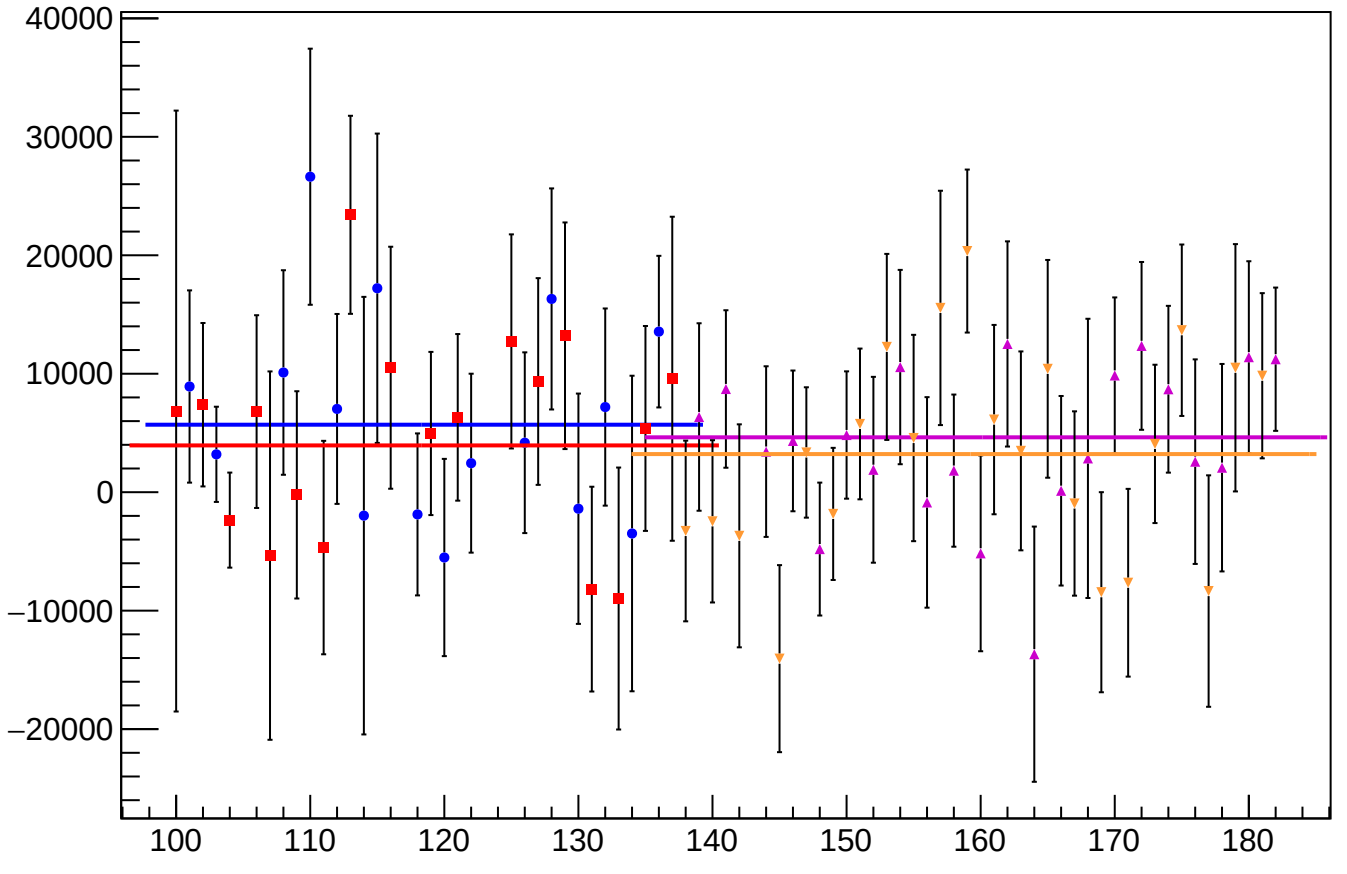
Left: 6485.898+/-0.786 χ^2/NDF: 2243122.7/43

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5846.874+/-0.847 χ^2/NDF:2549398.3/37

Out: 5563.457+/-0.826 χ^2/NDF:3807376.8/39

All: 5701.561+/-0.591 χ^2/NDF: 6414137.8/77



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 3217.461+/-1608.921 χ^2/NDF:26.5/21

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 4632.679+/-1557.499 χ^2/NDF:14.1/21

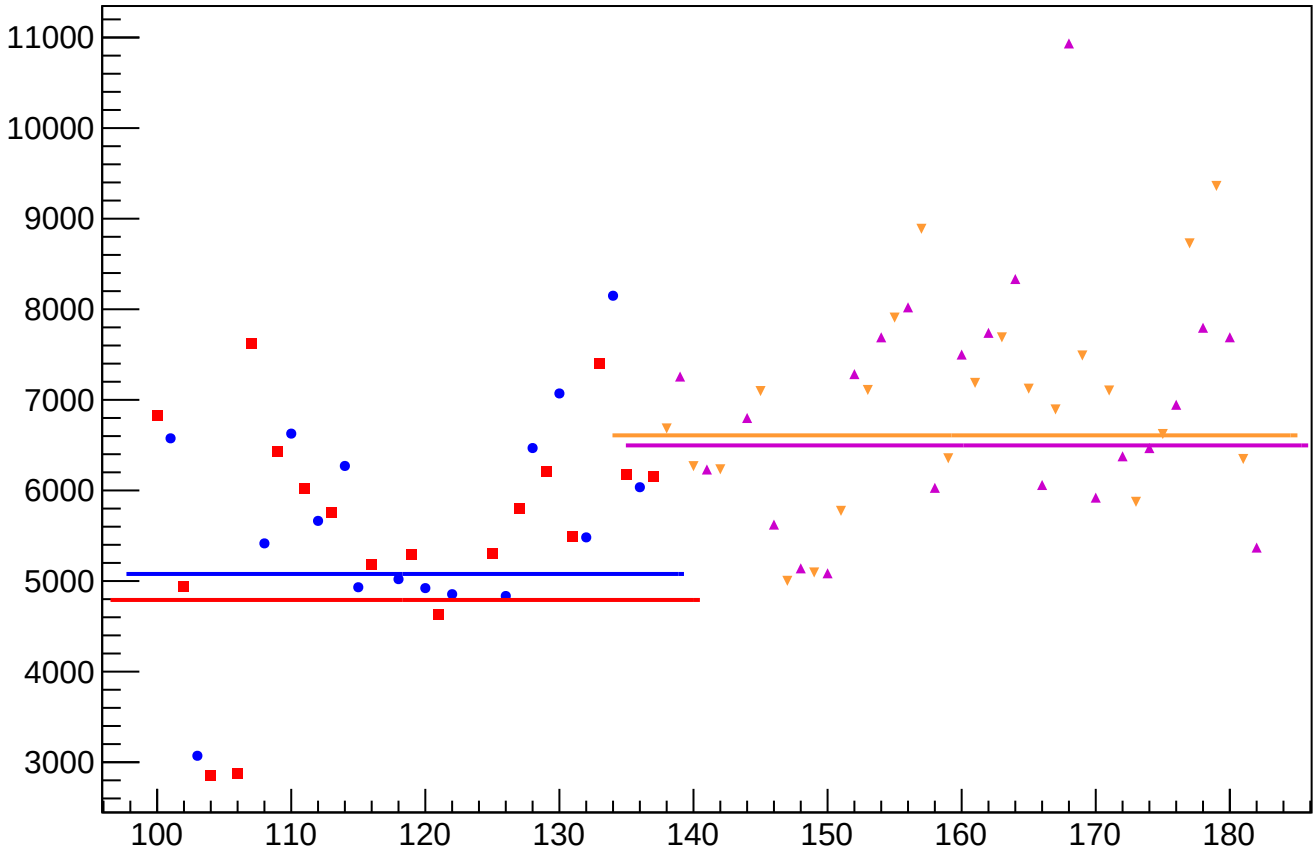
Left: 3948.047+/-1119.056 χ^2/NDF: 41.1/43

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 5044.913+/-1219.194 χ^2/NDF:27.0/37

Out: 3519.296+/-1233.339 χ^2/NDF:42.7/39

All: 4290.903+/-867.058 χ^2/NDF: 70.5/77



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6608.245+/-1.138 χ^2/NDF:872006.2/21

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6497.191+/-1.101 χ^2/NDF:1051941.3/21

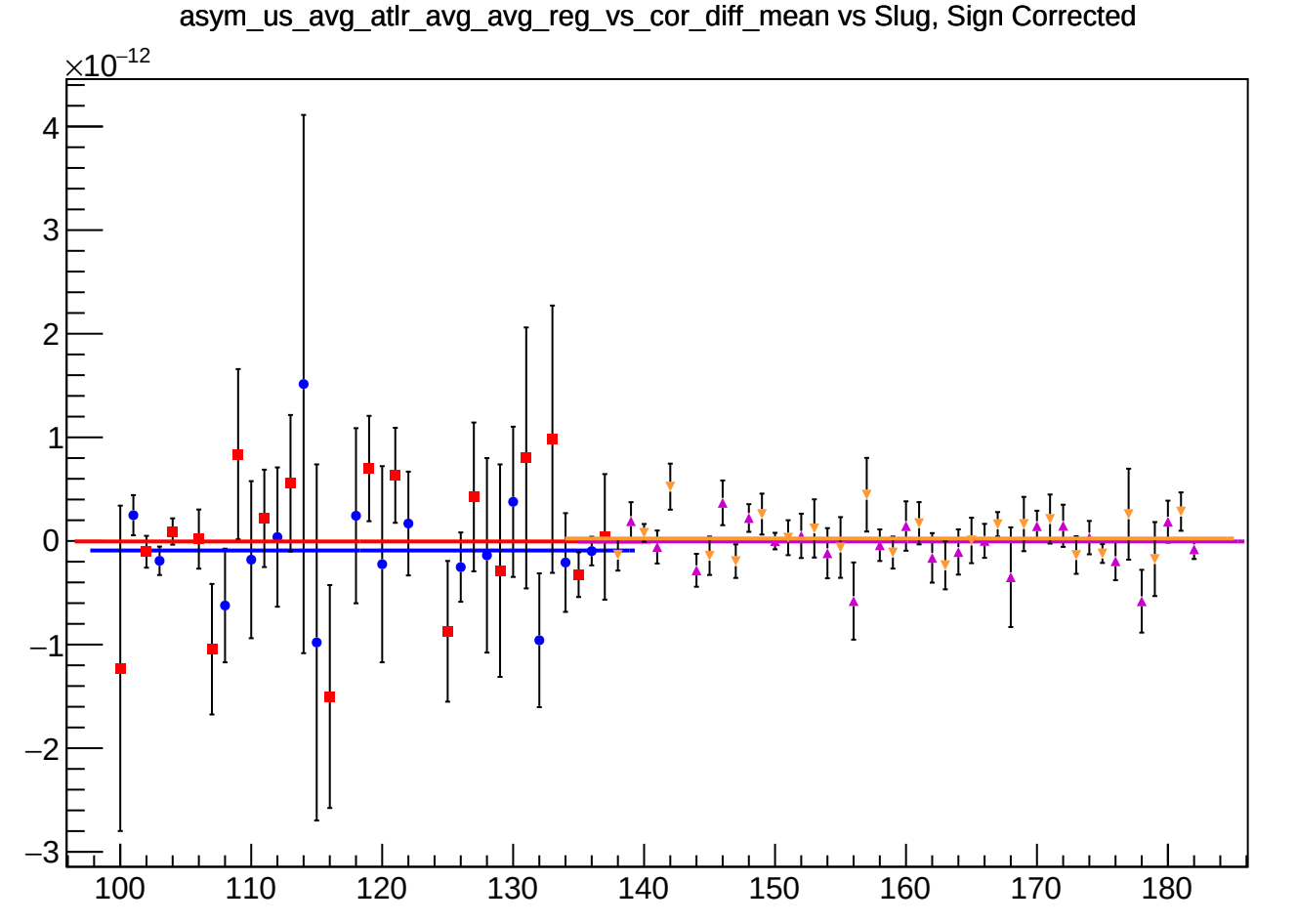
Left: 6550.915+/-0.791 χ^2/NDF: 1928866.5/43

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5947.671+/-0.862 χ^2/NDF:2614060.9/37

Out: 5840.932+/-0.865 χ^2/NDF:3111696.5/39

All: 5894.464+/-0.611 χ^2/NDF: 5733399.0/77



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:22.3/21

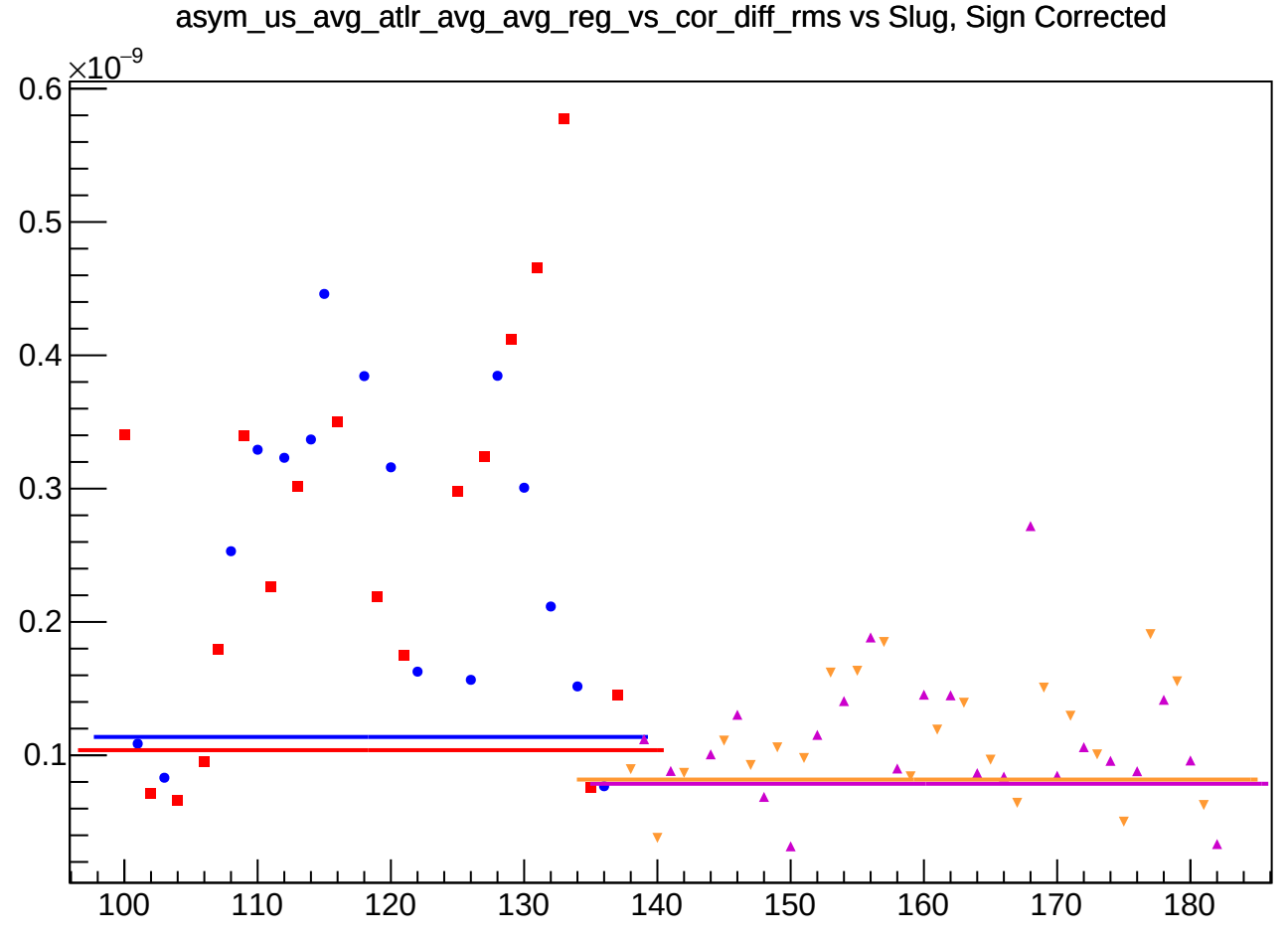
Left: 0.000+/-0.000 χ^2/NDF: 45.5/43

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:31.6/37

Out: 0.000+/-0.000 χ^2/NDF:40.4/39

All: -0.000+/-0.000 χ^2/NDF: 72.7/77



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2079987.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2576069.7/21

Left: 0.000+/-0.000 χ^2/NDF: 4663954.6/43

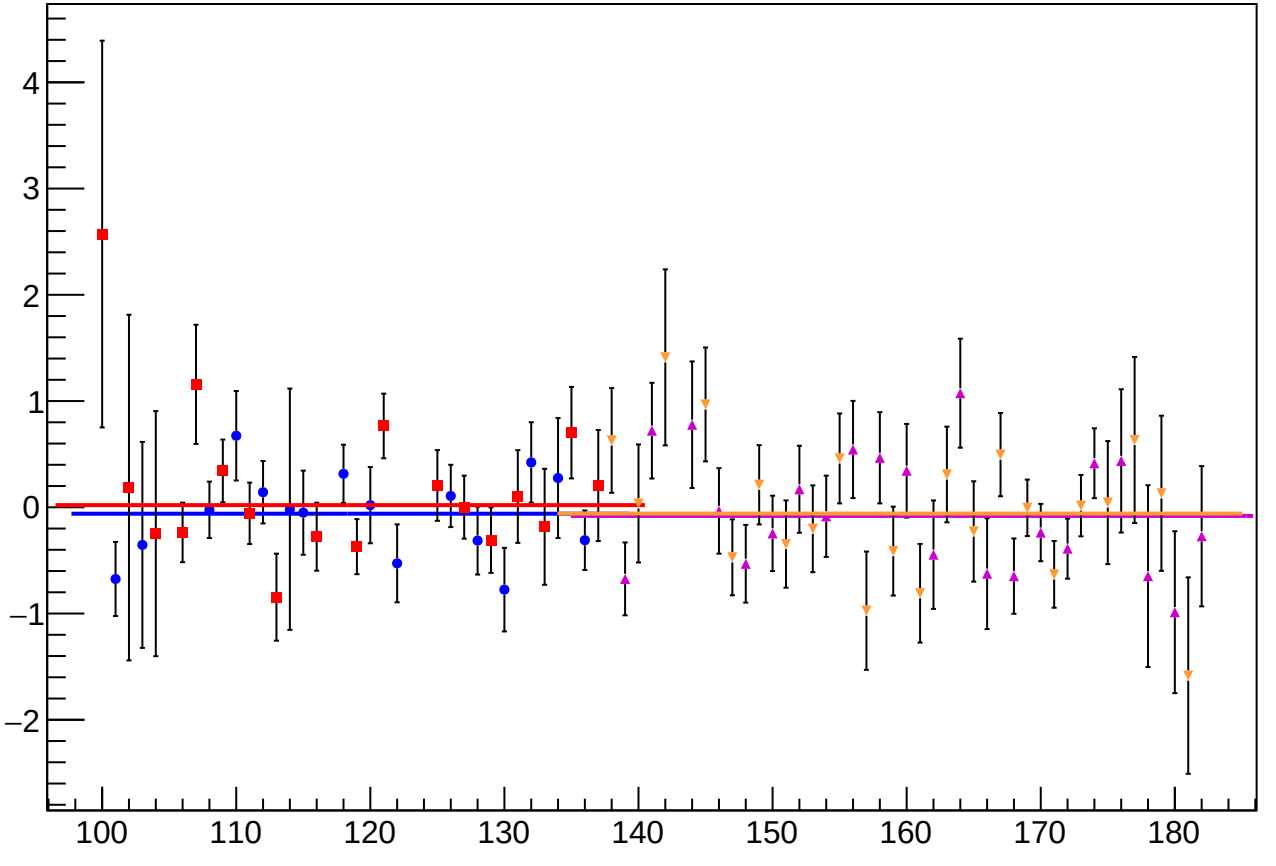
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:4439651.0/37

Out: 0.000+/-0.000 χ^2/NDF:4301261.9/39

All: 0.000+/-0.000 χ^2/NDF: 8742368.6/77

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.059+/-0.092 χ^2/NDF:28.6/21

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.081+/-0.088 χ^2/NDF:30.3/21

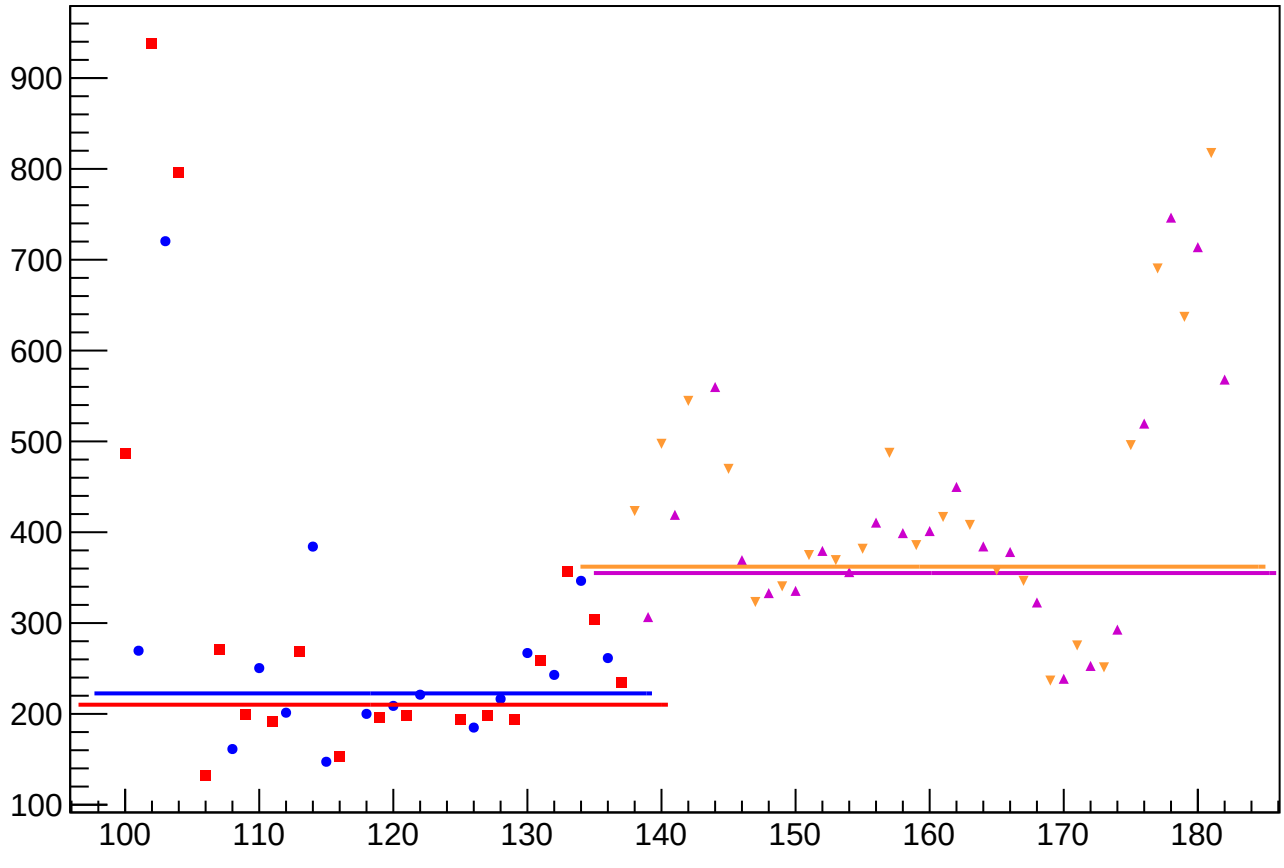
Left: -0.071+/-0.064 χ^2/NDF: 59.0/43

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.071+/-0.063 χ^2/NDF:47.7/37

Out: -0.017+/-0.063 χ^2/NDF:55.1/39

All: -0.044+/-0.045 χ^2/NDF: 103.2/77



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 362.081+/-0.065 χ^2/NDF:2645906.9/21

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 355.060+/-0.062 χ^2/NDF:2401917.0/21

Left: 358.428+/-0.045 χ^2/NDF: 5053892.7/43

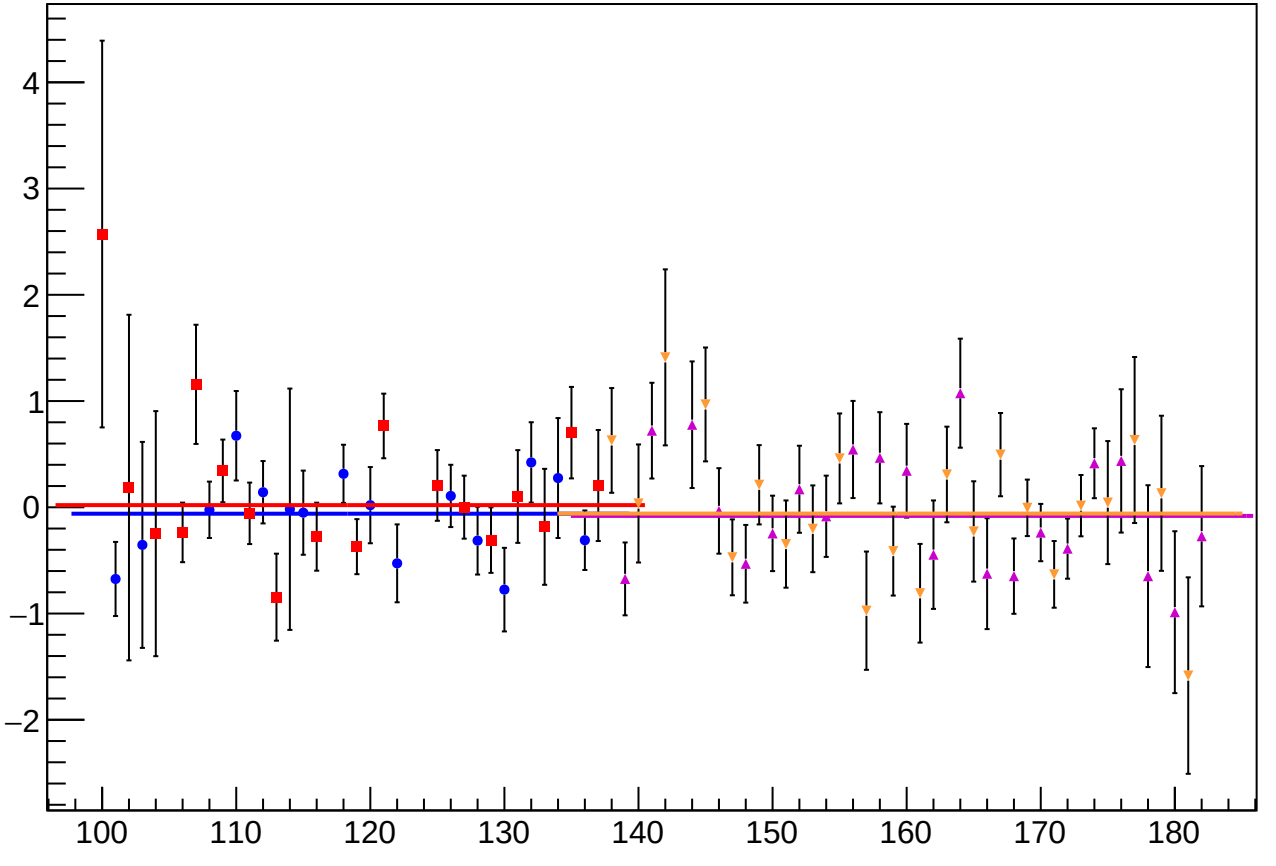
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 289.088+/-0.044 χ^2/NDF:5663159.2/37

Out: 282.281+/-0.045 χ^2/NDF:7063419.0/39

All: 285.728+/-0.031 χ^2/NDF: 12738264.6/77

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: -0.059+/-0.092 χ^2/NDF:28.6/21

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.081+/-0.088 χ^2/NDF:30.3/21

Left: -0.071+/-0.064 χ^2/NDF: 59.0/43

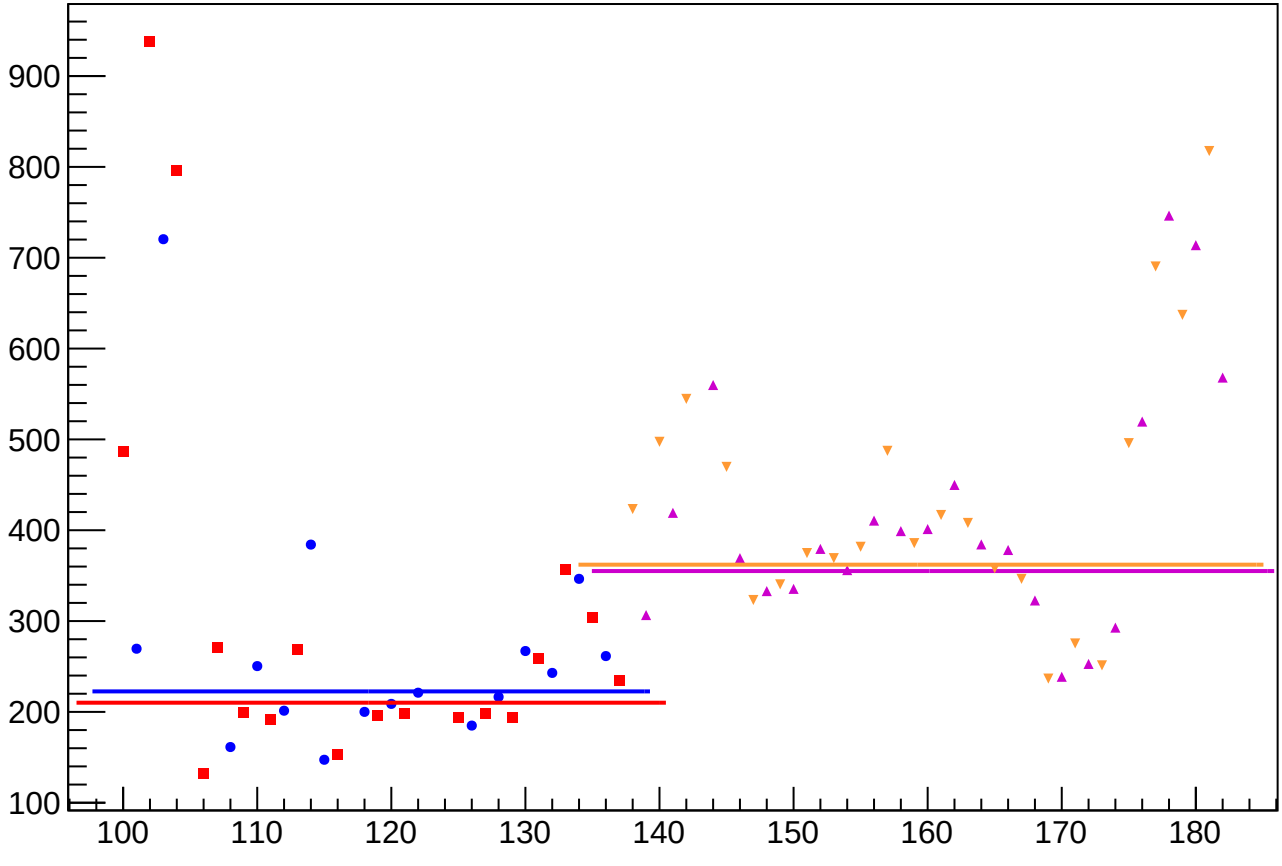
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.071+/-0.063 χ^2/NDF:47.7/37

Out: -0.017+/-0.063 χ^2/NDF:55.1/39

All: -0.044+/-0.045 χ^2/NDF: 103.2/77

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: 362.081+/-0.065 χ^2/NDF:2645906.9/21

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 355.060+/-0.062 χ^2/NDF:2401917.0/21

Left: 358.428+/-0.045 χ^2/NDF: 5053892.7/43

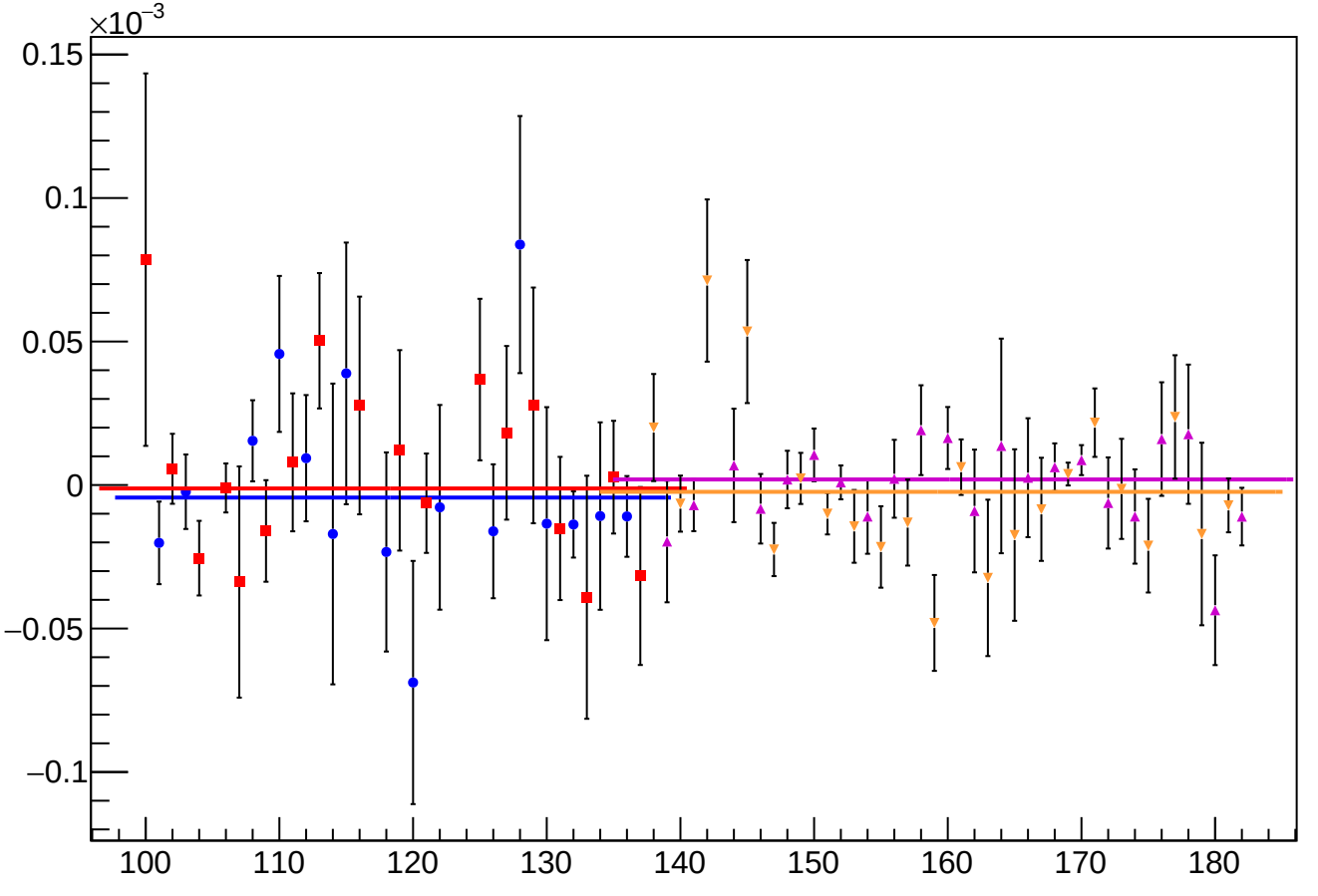
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 289.088+/-0.044 χ^2/NDF:5663159.2/37

Out: 282.281+/-0.045 χ^2/NDF:7063419.0/39

All: 285.728+/-0.031 χ^2/NDF: 12738264.6/77

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_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:42.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:19.1/21

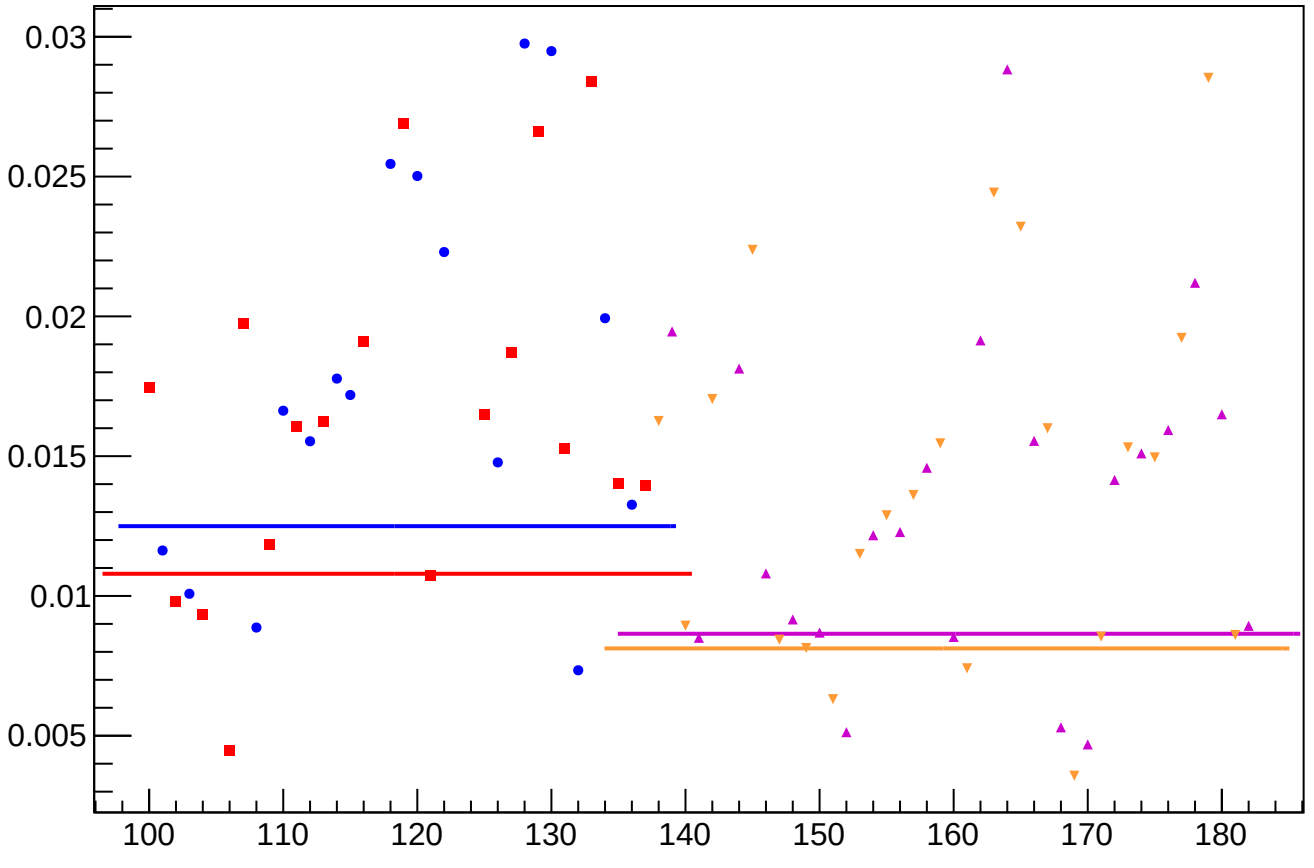
Left: -0.000+/-0.000 χ^2/NDF: 63.2/43

Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: 0.000+/-0.000 χ^2/NDF:36.0/37

Out: -0.000+/-0.000 χ^2/NDF:59.7/39

All: -0.000+/-0.000 χ^2/NDF: 96.7/77



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:8696583.4/21

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:6793053.6/21

Left: 0.008+/-0.000 χ^2/NDF: 15539953.0/43

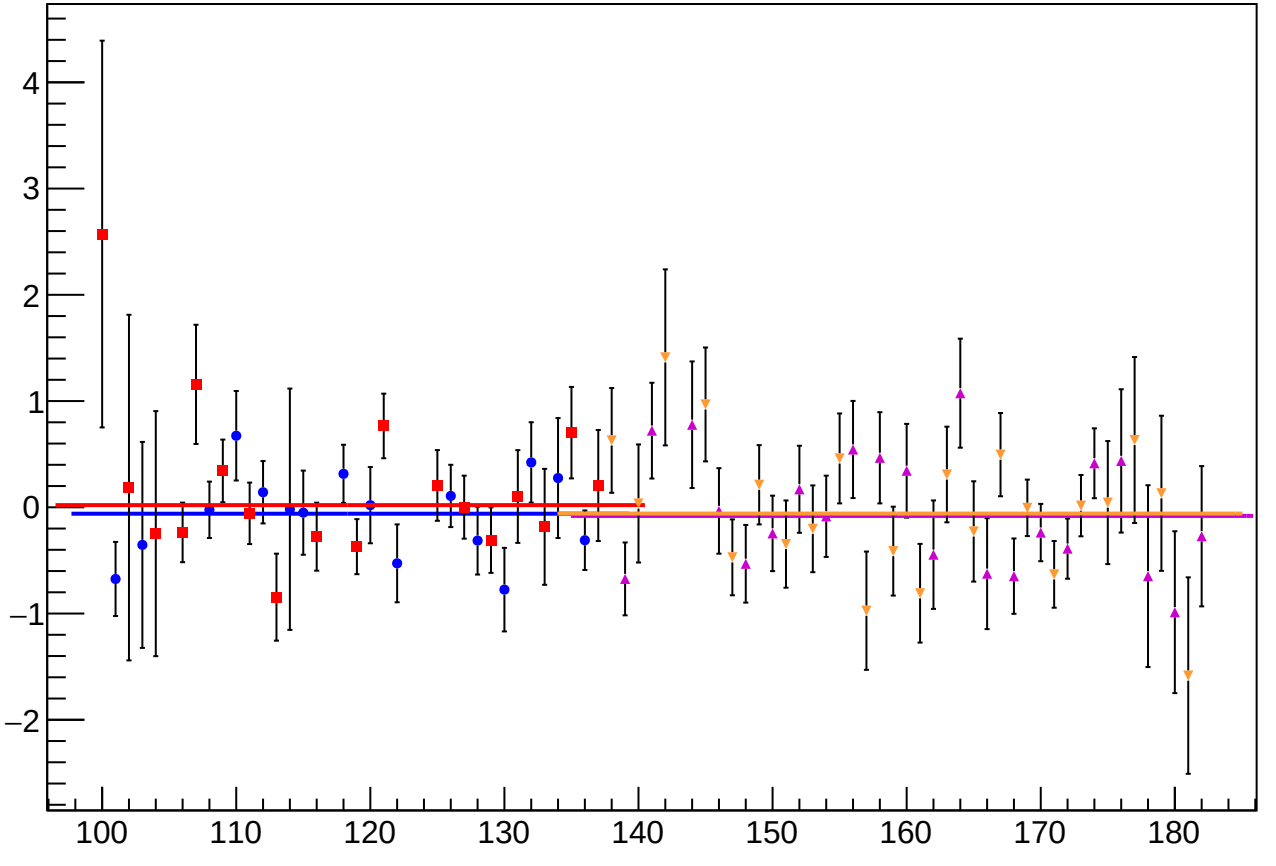
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.009+/-0.000 χ^2/NDF:9850151.0/37

Out: 0.009+/-0.000 χ^2/NDF:12224767.3/39

All: 0.009+/-0.000 χ^2/NDF: 22175084.6/77

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: -0.059+/-0.092 χ^2/NDF:28.6/21

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.081+/-0.088 χ^2/NDF:30.3/21

Left: -0.071+/-0.064 χ^2/NDF: 59.0/43

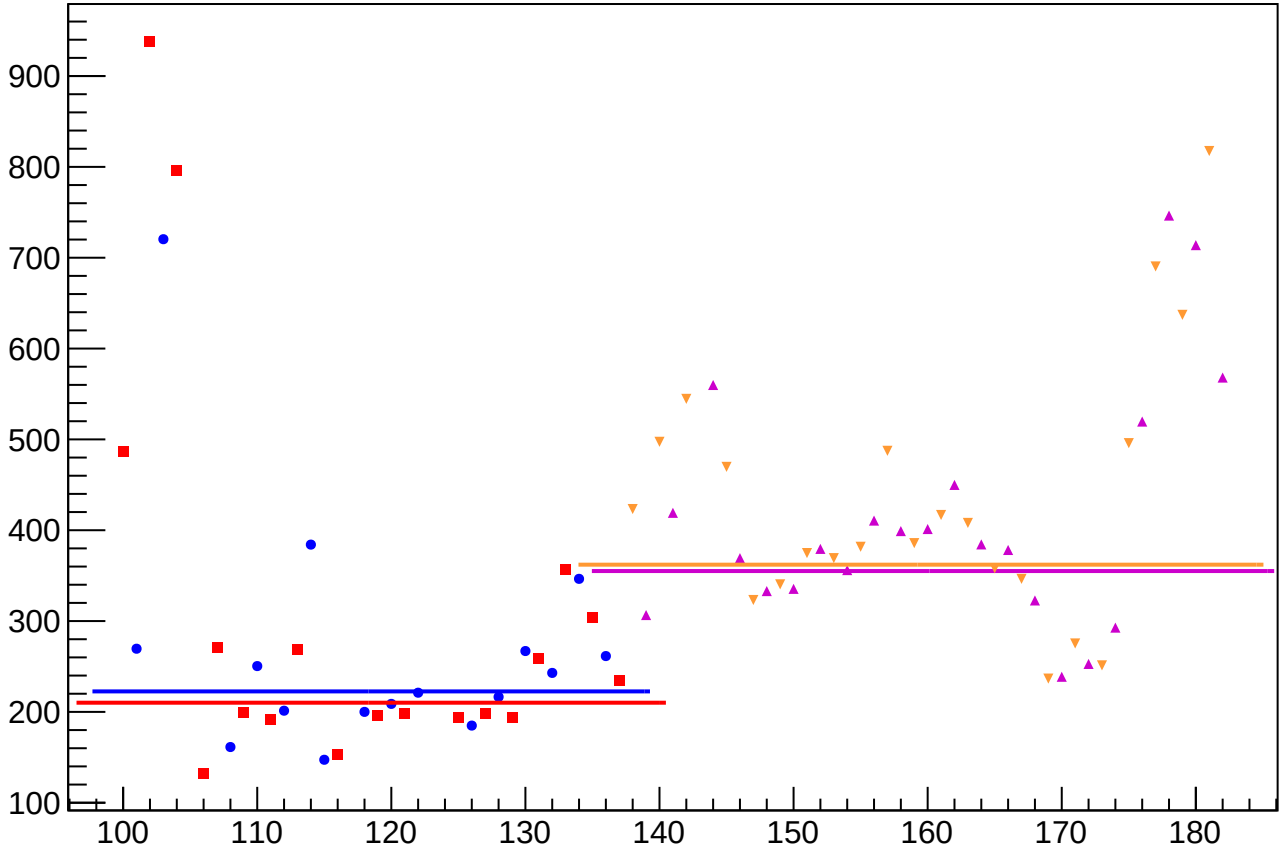
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.071+/-0.063 χ^2/NDF:47.7/37

Out: -0.017+/-0.063 χ^2/NDF:55.1/39

All: -0.044+/-0.045 χ^2/NDF: 103.2/77

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: 362.082+/-0.065 χ^2/NDF:2646120.7/21

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 355.061+/-0.062 χ^2/NDF:2402078.3/21

Left: 358.429+/-0.045 χ^2/NDF: 5054265.5/43

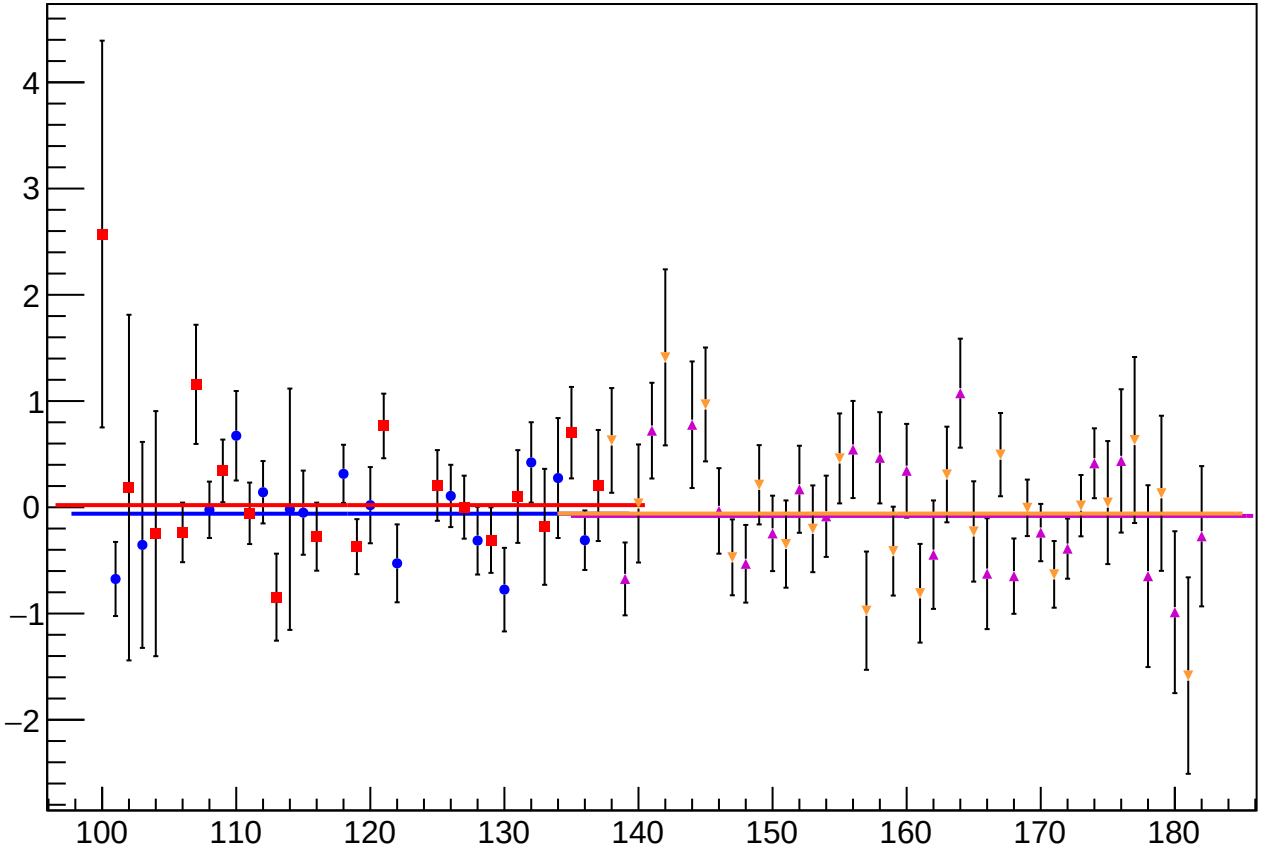
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 289.087+/-0.044 χ^2/NDF:5663419.3/37

Out: 282.279+/-0.045 χ^2/NDF:7063742.0/39

All: 285.726+/-0.031 χ^2/NDF: 12738852.6/77

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: -0.059+/-0.092 χ^2/NDF:28.6/21

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.081+/-0.088 χ^2/NDF:30.3/21

Left: -0.071+/-0.064 χ^2/NDF: 59.0/43

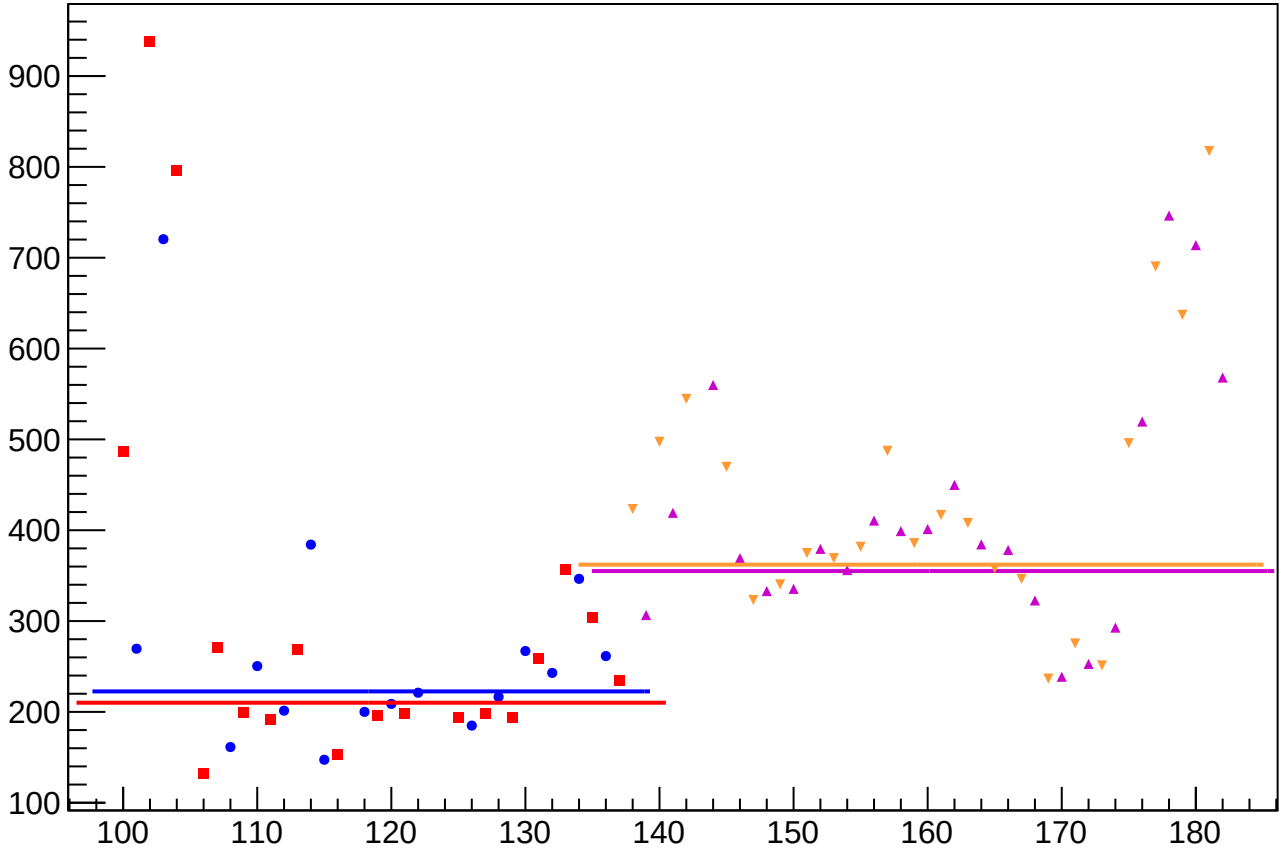
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.071+/-0.063 χ^2/NDF:47.7/37

Out: -0.017+/-0.063 χ^2/NDF:55.1/39

All: -0.044+/-0.045 χ^2/NDF: 103.2/77

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: 362.082+/-0.065 χ^2/NDF:2646120.7/21

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 355.061+/-0.062 χ^2/NDF:2402078.3/21

Left: 358.429+/-0.045 χ^2/NDF: 5054265.5/43

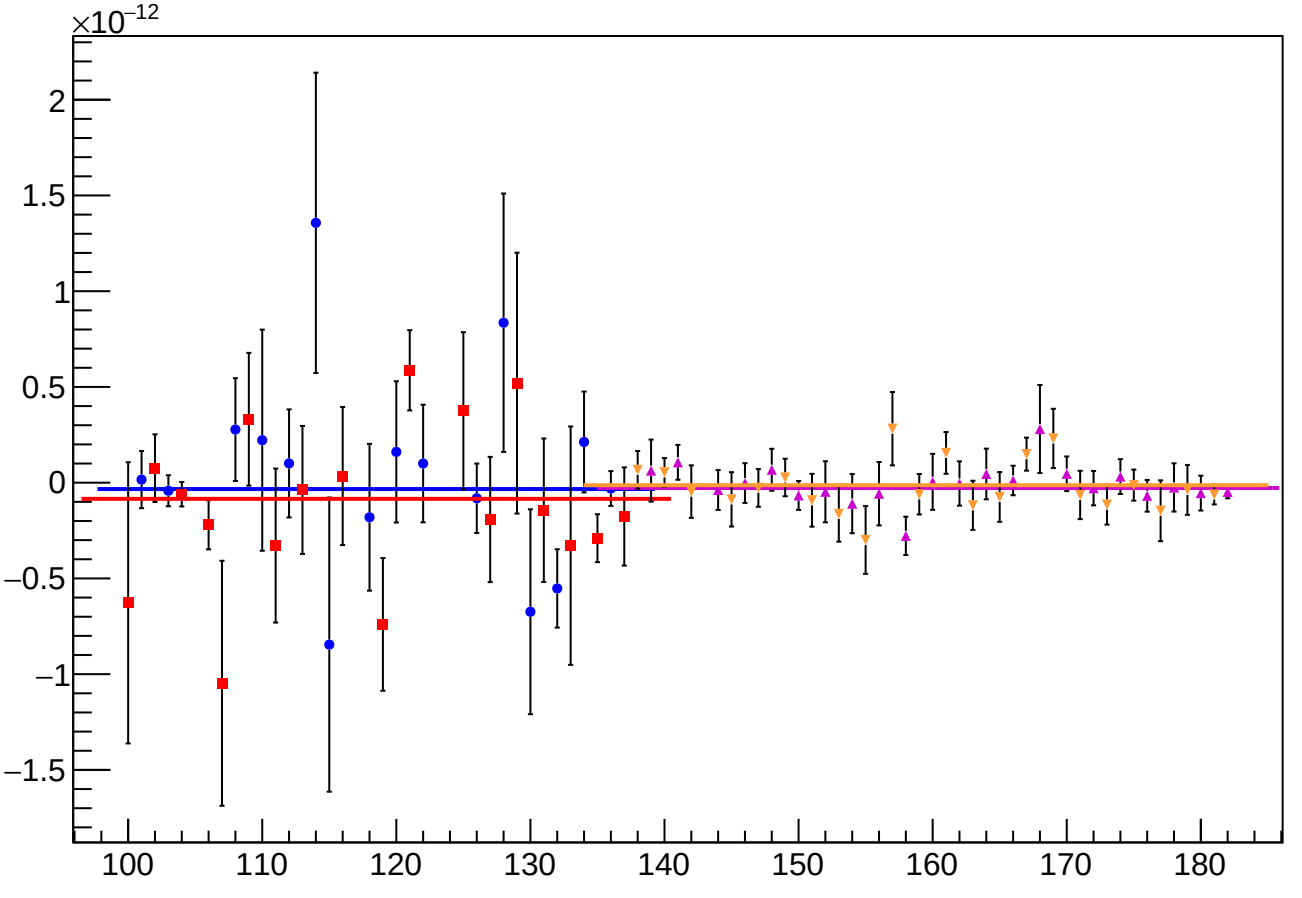
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 289.087+/-0.044 χ^2/NDF:5663419.3/37

Out: 282.279+/-0.045 χ^2/NDF:7063742.0/39

All: 285.726+/-0.031 χ^2/NDF: 12738852.6/77

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:14.4/21

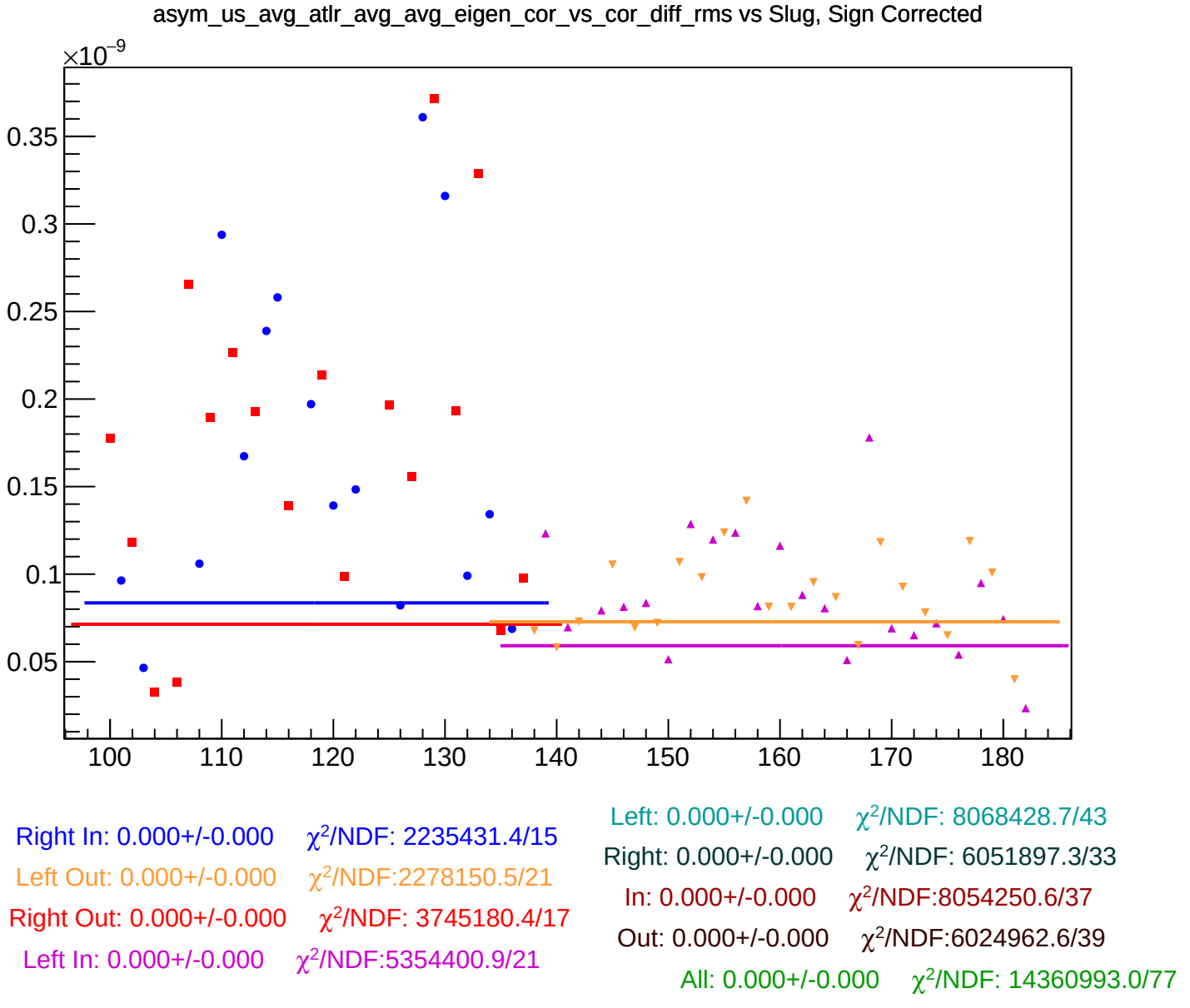
Left: -0.000+/-0.000 χ^2/NDF: 35.3/43

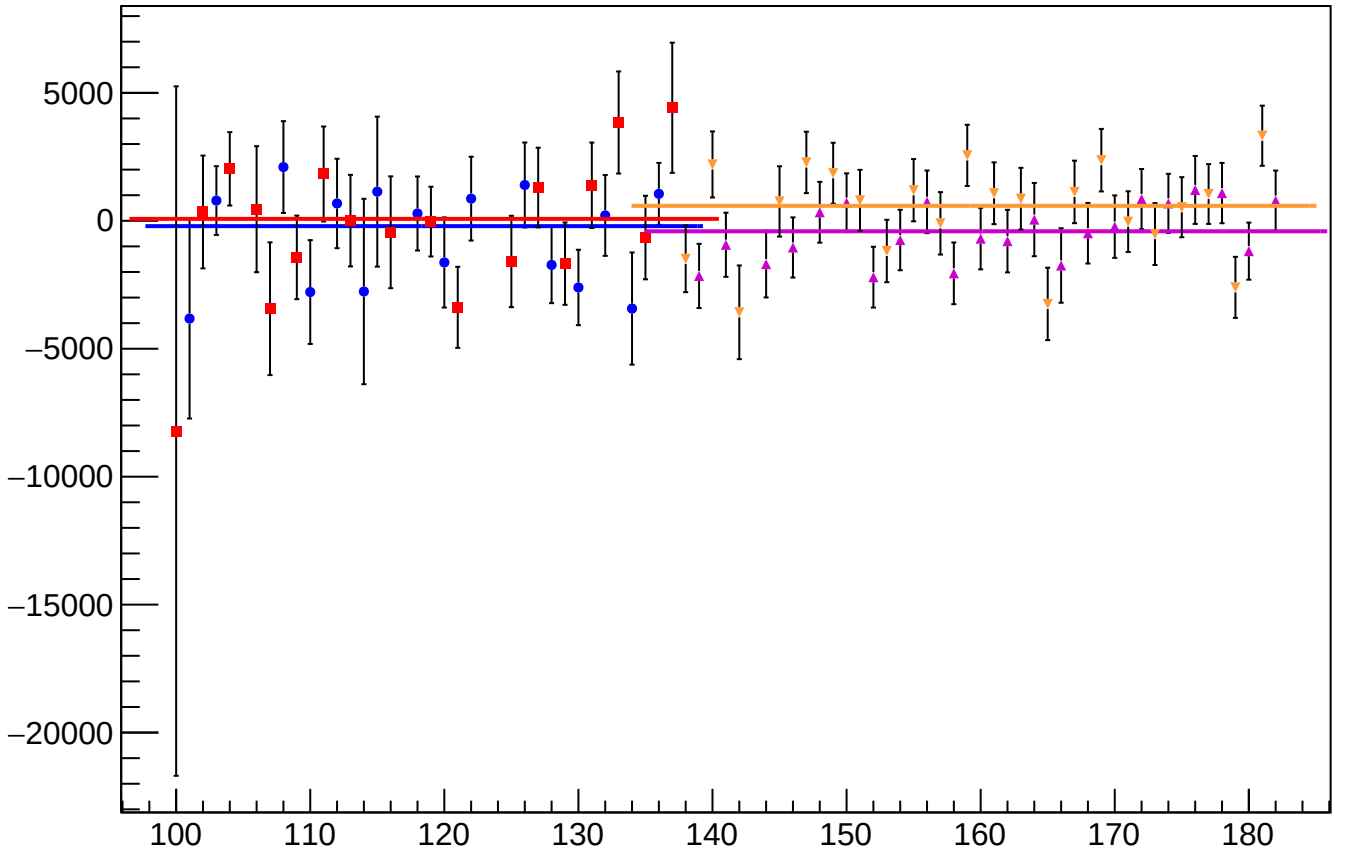
Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:31.7/37

Out: -0.000+/-0.000 χ^2/NDF:48.5/39

All: -0.000+/-0.000 χ^2/NDF: 80.2/77


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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2278150.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:5354400.9/21
Left: 0.000+/-0.000 χ²/NDF: 8068428.7/43
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:8054250.6/37
Out: 0.000+/-0.000 χ²/NDF:6024962.6/39
All: 0.000+/-0.000 χ²/NDF: 14360993.0/77



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 584.911+/-264.114 χ^2/NDF:41.6/21

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -409.139+/-259.744 χ^2/NDF:17.6/21

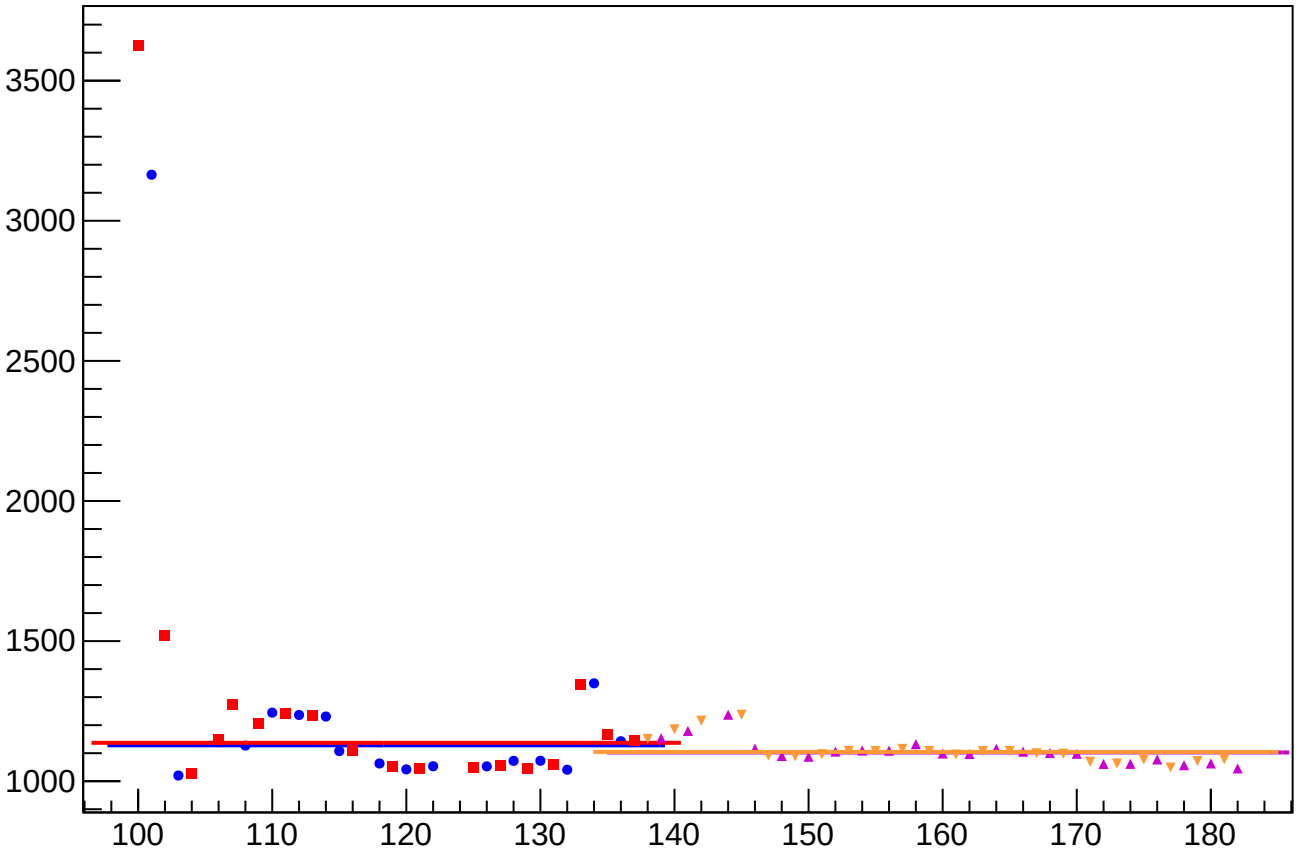
Left: 79.593+/-185.192 χ^2/NDF: 66.3/43

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -355.302+/-222.213 χ^2/NDF:32.5/37

Out: 445.760+/-225.161 χ^2/NDF:63.2/39

All: 39.950+/-158.160 χ^2/NDF: 102.2/77



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1104.522+/-0.187 χ^2/NDF:49740.7/21

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1102.574+/-0.184 χ^2/NDF:50356.0/21

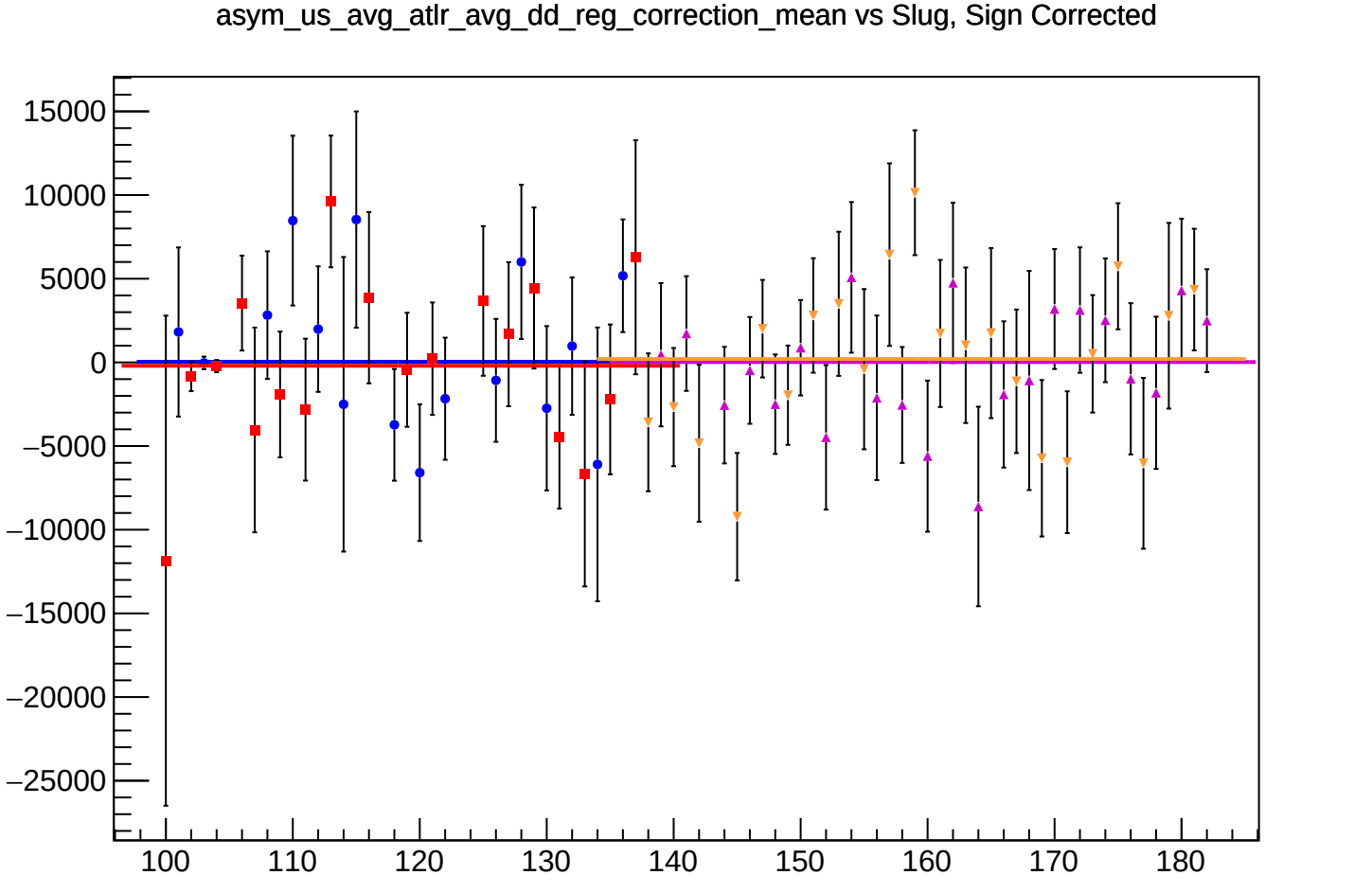
Left: 1103.532+/-0.131 χ^2/NDF: 100152.0/43

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1109.393+/-0.157 χ^2/NDF:676891.6/37

Out: 1113.431+/-0.159 χ^2/NDF:278132.6/39

All: 1111.386+/-0.112 χ^2/NDF: 955350.1/77



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 199.718+/-856.236 χ^2/NDF:28.5/21

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 21.206+/-827.559 χ^2/NDF:13.3/21

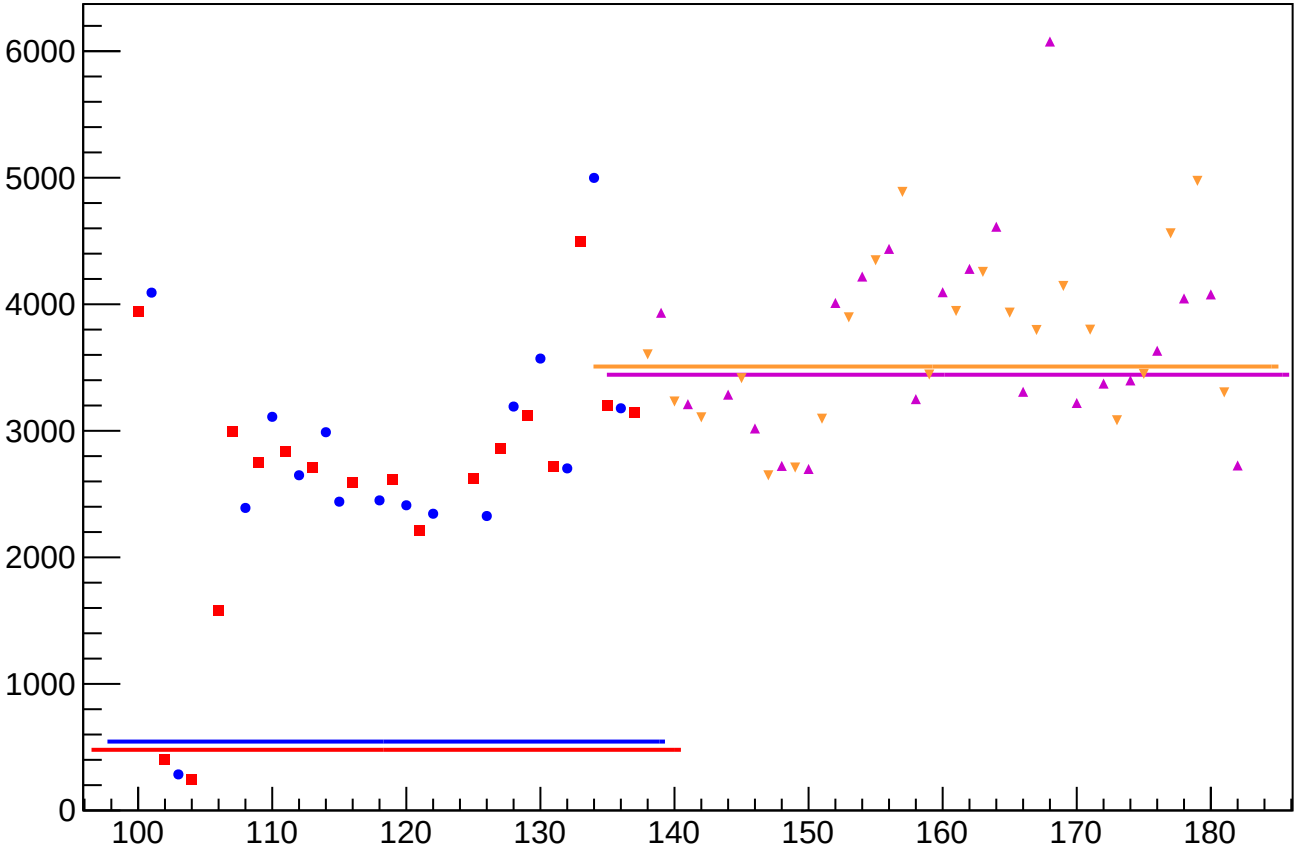
Left: 107.422+/-595.052 χ^2/NDF: 41.9/43

Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: 35.610+/-328.303 χ^2/NDF:28.2/37

Out: -151.765+/-301.839 χ^2/NDF:44.3/39

All: -65.933+/-222.200 χ^2/NDF: 72.7/77



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3508.039+/-0.605 χ^2/NDF:985638.5/21

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3443.200+/-0.585 χ^2/NDF:1215450.4/21

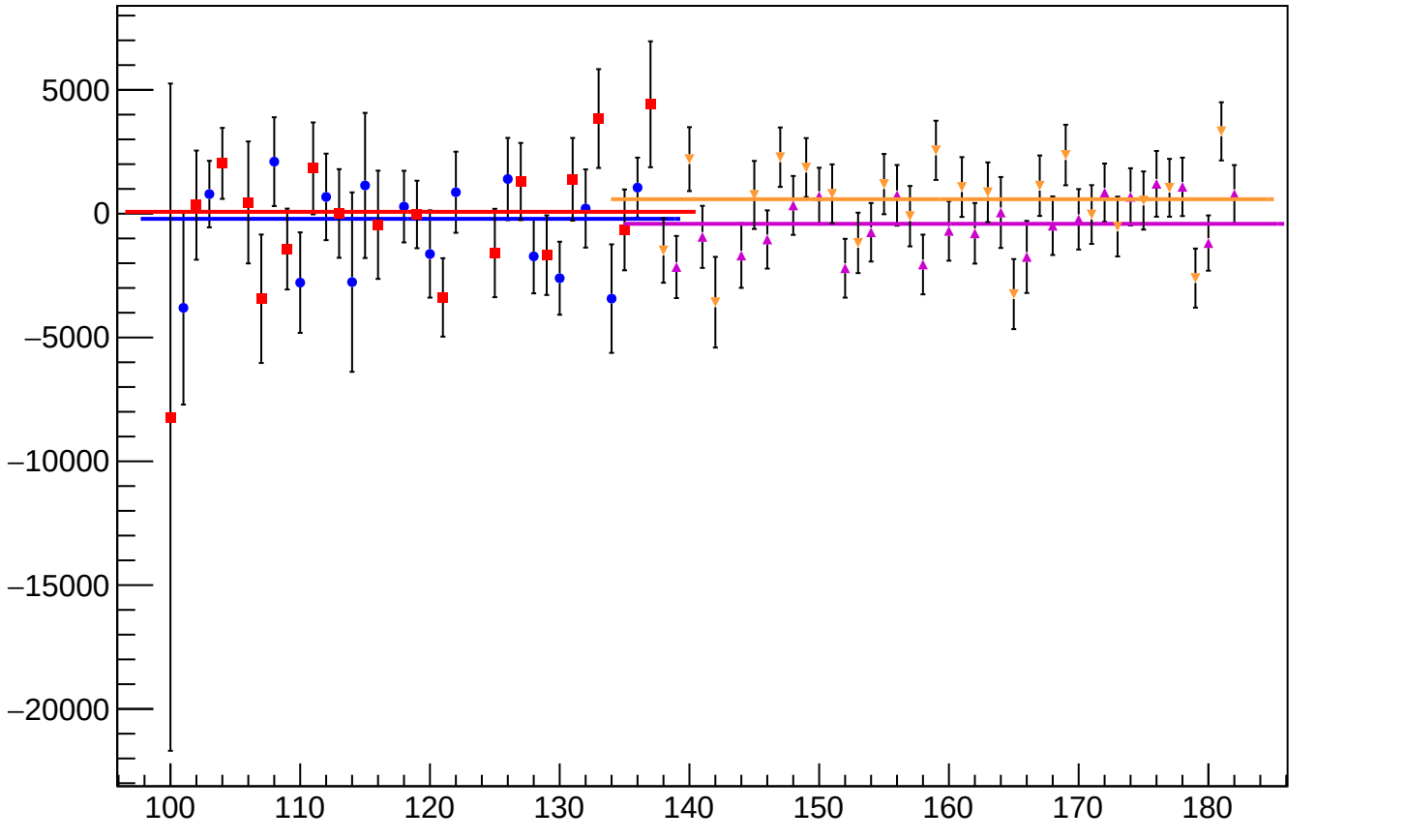
Left: 3474.515+/-0.421 χ^2/NDF: 2207018.5/43

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 1000.563+/-0.232 χ^2/NDF:31576929.5/37

Out: 855.638+/-0.213 χ^2/NDF:32089076.5/39

All: 922.024+/-0.157 χ^2/NDF: 63877211.5/77



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 585.003+/-264.114 χ^2/NDF:41.6/21

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -409.123+/-259.744 χ^2/NDF:17.6/21

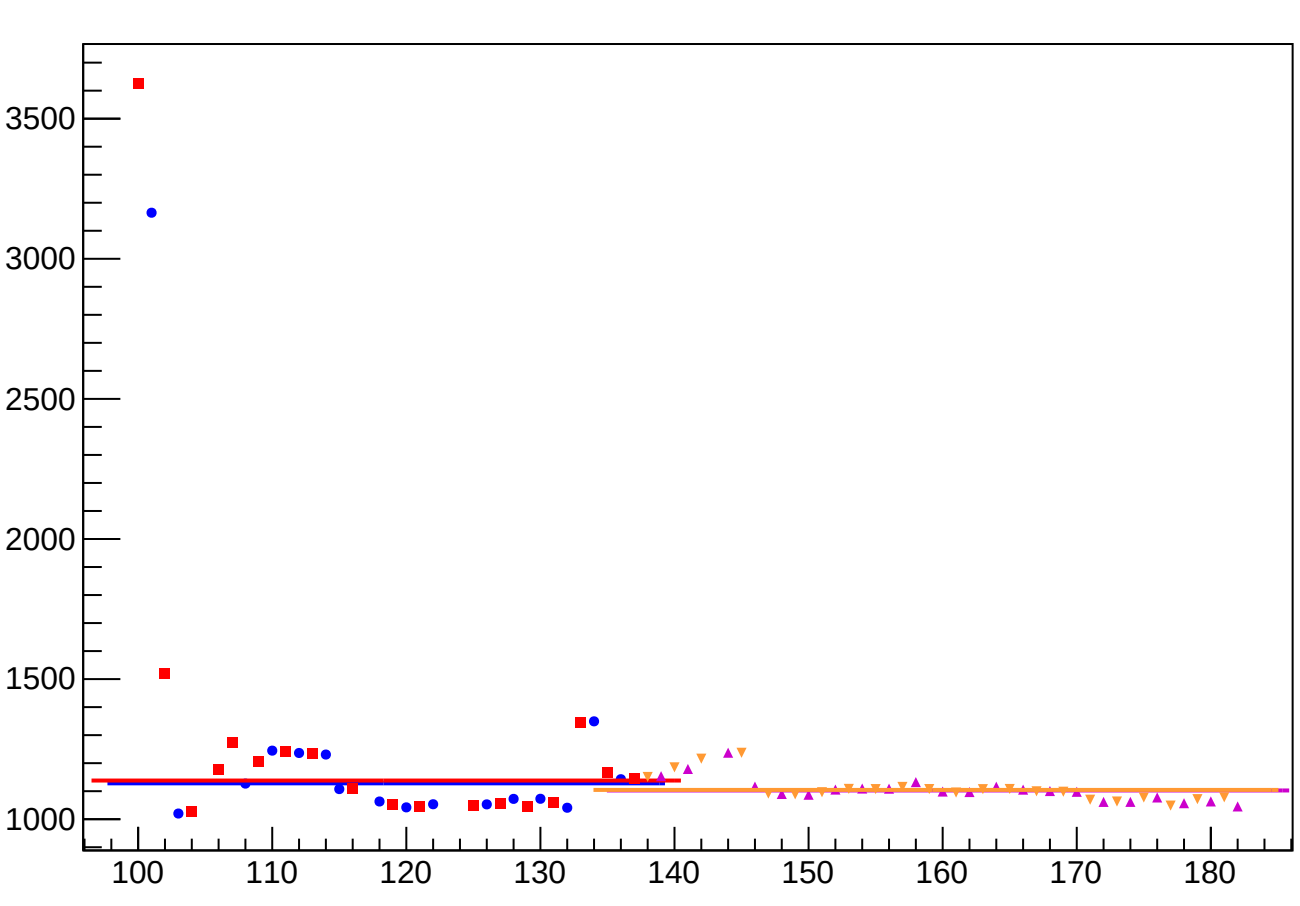
Left: 79.646+/-185.192 χ^2/NDF: 66.3/43

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -355.230+/-222.213 χ^2/NDF:32.5/37

Out: 445.867+/-225.161 χ^2/NDF:63.2/39

All: 40.039+/-158.160 χ^2/NDF: 102.1/77



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1104.522+/-0.187 χ^2/NDF:49740.6/21

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1102.574+/-0.184 χ^2/NDF:50356.0/21

Left: 1103.532+/-0.131 χ^2/NDF: 100152.0/43

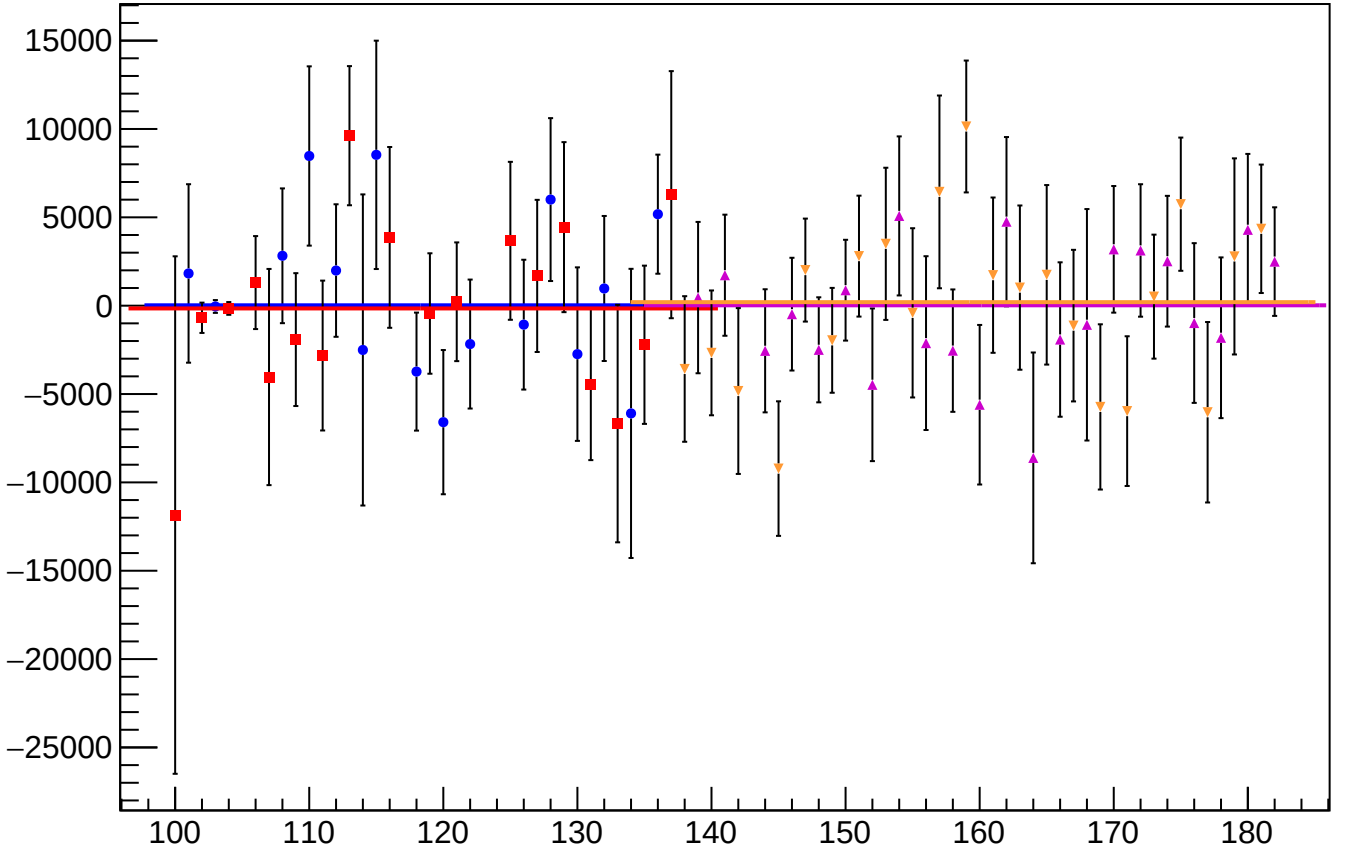
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1109.393+/-0.157 χ^2/NDF:676892.6/37

Out: 1113.676+/-0.159 χ^2/NDF:279151.6/39

All: 1111.507+/-0.112 χ^2/NDF: 956410.9/77

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 199.765+/-856.237 χ^2/NDF:28.5/21

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 21.208+/-827.558 χ^2/NDF:13.3/21

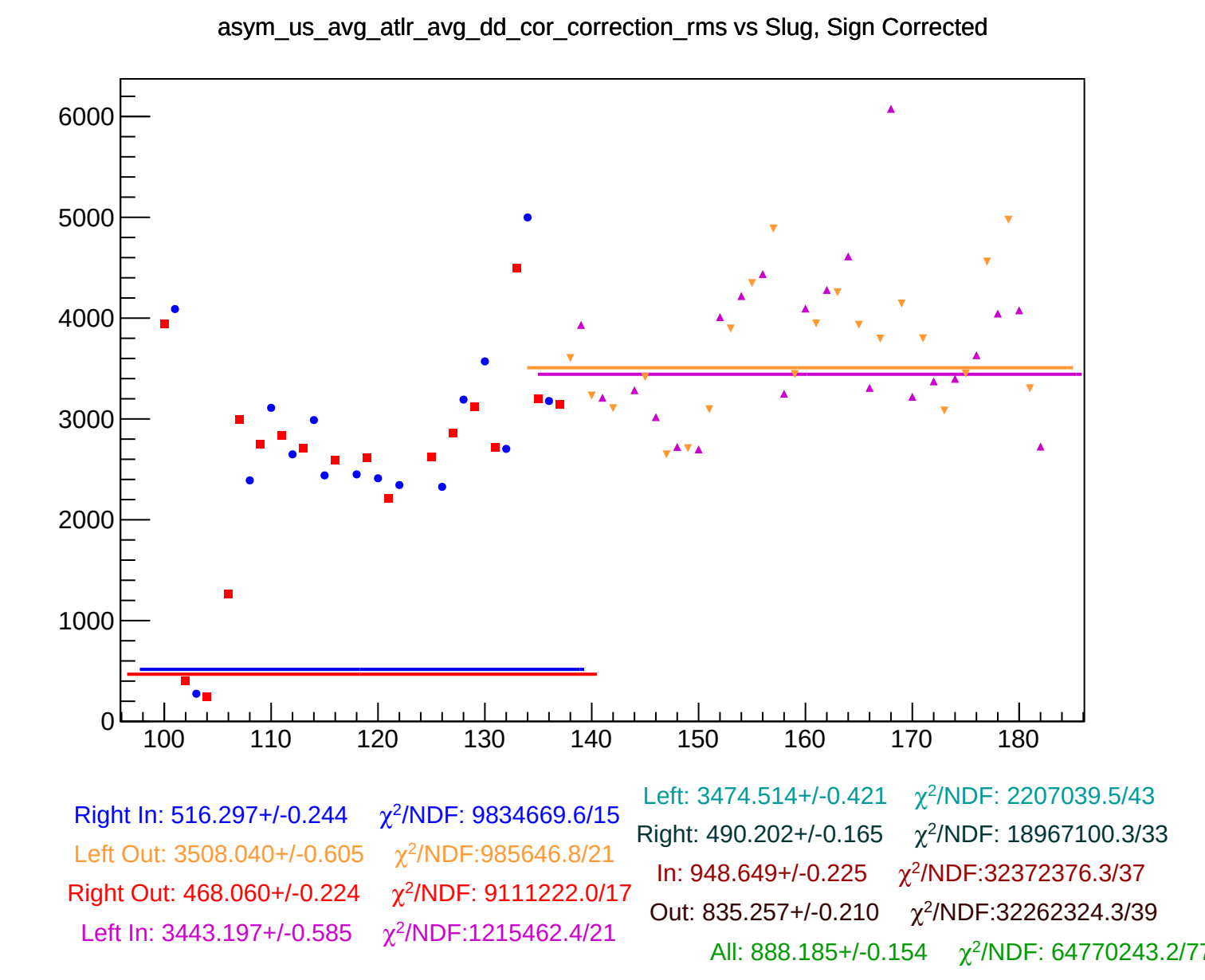
Left: 107.446+/-595.052 χ^2/NDF: 41.9/43

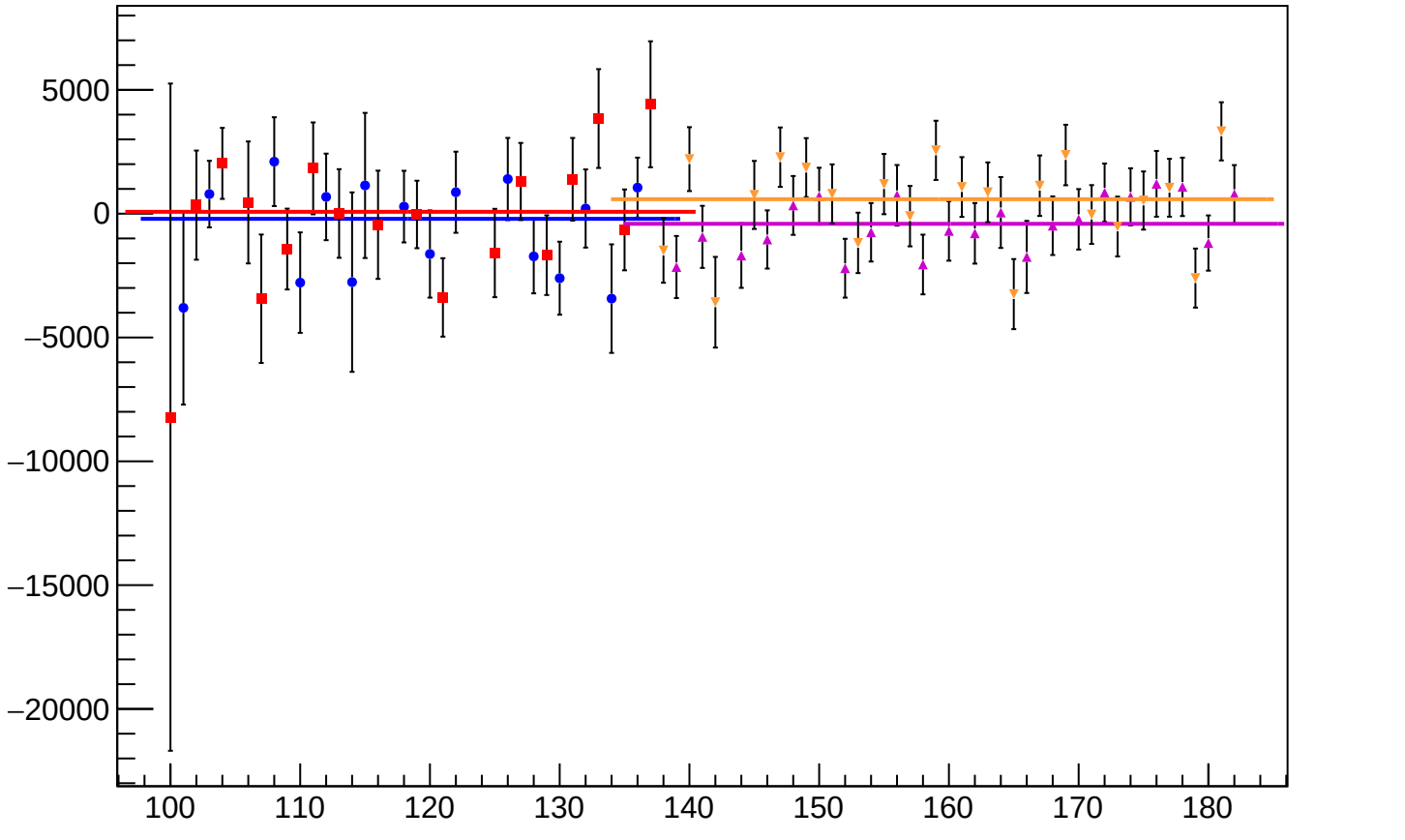
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 21.580+/-318.063 χ^2/NDF:28.2/37

Out: -113.230+/-297.583 χ^2/NDF:42.7/39

All: -50.304+/-217.303 χ^2/NDF: 71.0/77


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 516.297+/-0.244 χ²/NDF: 9834669.6/15
Left Out: 3508.040+/-0.605 χ²/NDF:985646.8/21
Right Out: 468.060+/-0.224 χ²/NDF: 9111222.0/17
Left In: 3443.197+/-0.585 χ²/NDF:1215462.4/21
Left: 3474.514+/-0.421 χ²/NDF: 2207039.5/43
Right: 490.202+/-0.165 χ²/NDF: 18967100.3/33
In: 948.649+/-0.225 χ²/NDF:32372376.3/37
Out: 835.257+/-0.210 χ²/NDF:32262324.3/39
All: 888.185+/-0.154 χ²/NDF: 64770243.2/77



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 585.003+/-264.114 χ^2/NDF:41.6/21

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -409.123+/-259.744 χ^2/NDF:17.6/21

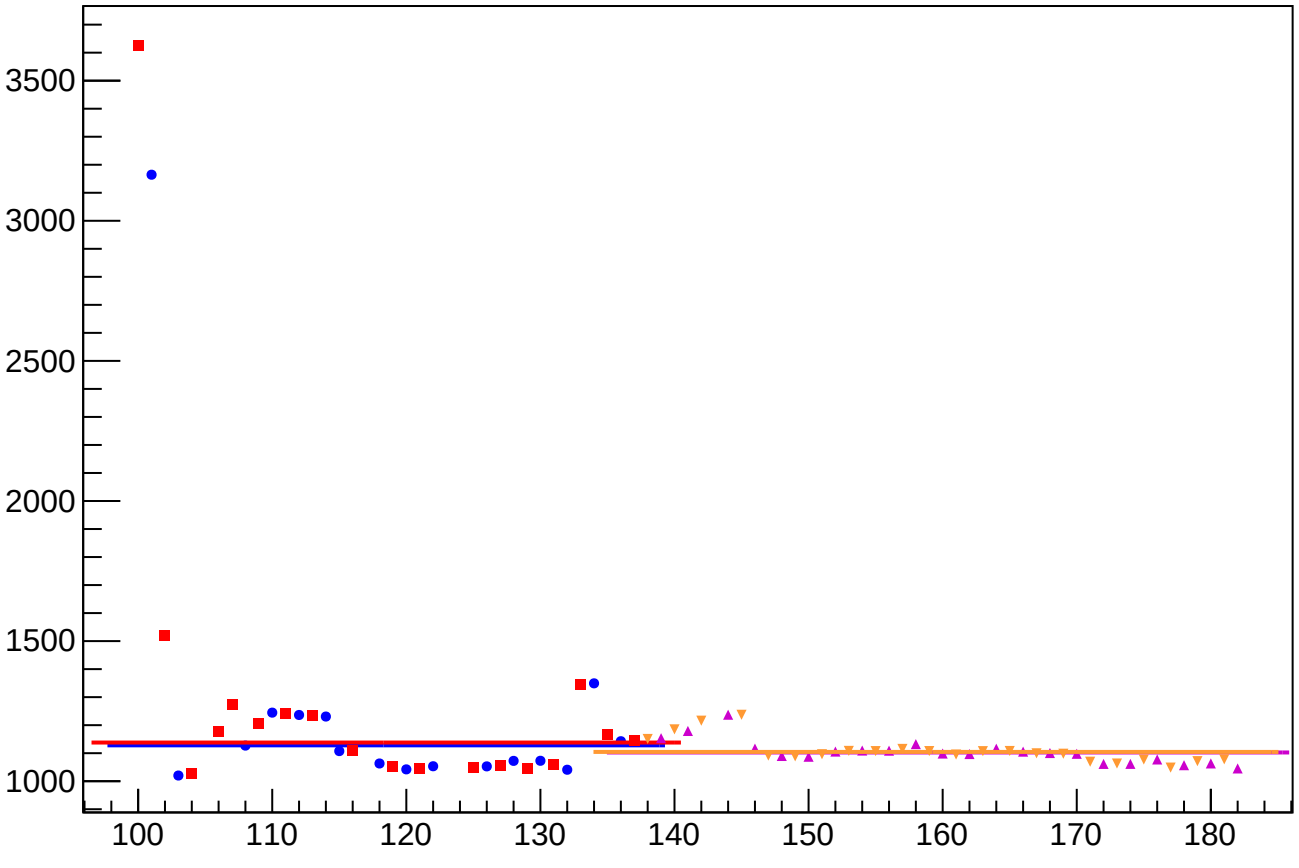
Left: 79.646+/-185.192 χ^2/NDF: 66.3/43

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -355.230+/-222.213 χ^2/NDF:32.5/37

Out: 445.867+/-225.161 χ^2/NDF:63.2/39

All: 40.039+/-158.160 χ^2/NDF: 102.1/77



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1104.522+/-0.187 χ^2/NDF:49740.6/21

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1102.574+/-0.184 χ^2/NDF:50356.0/21

Left: 1103.532+/-0.131 χ^2/NDF: 100152.0/43

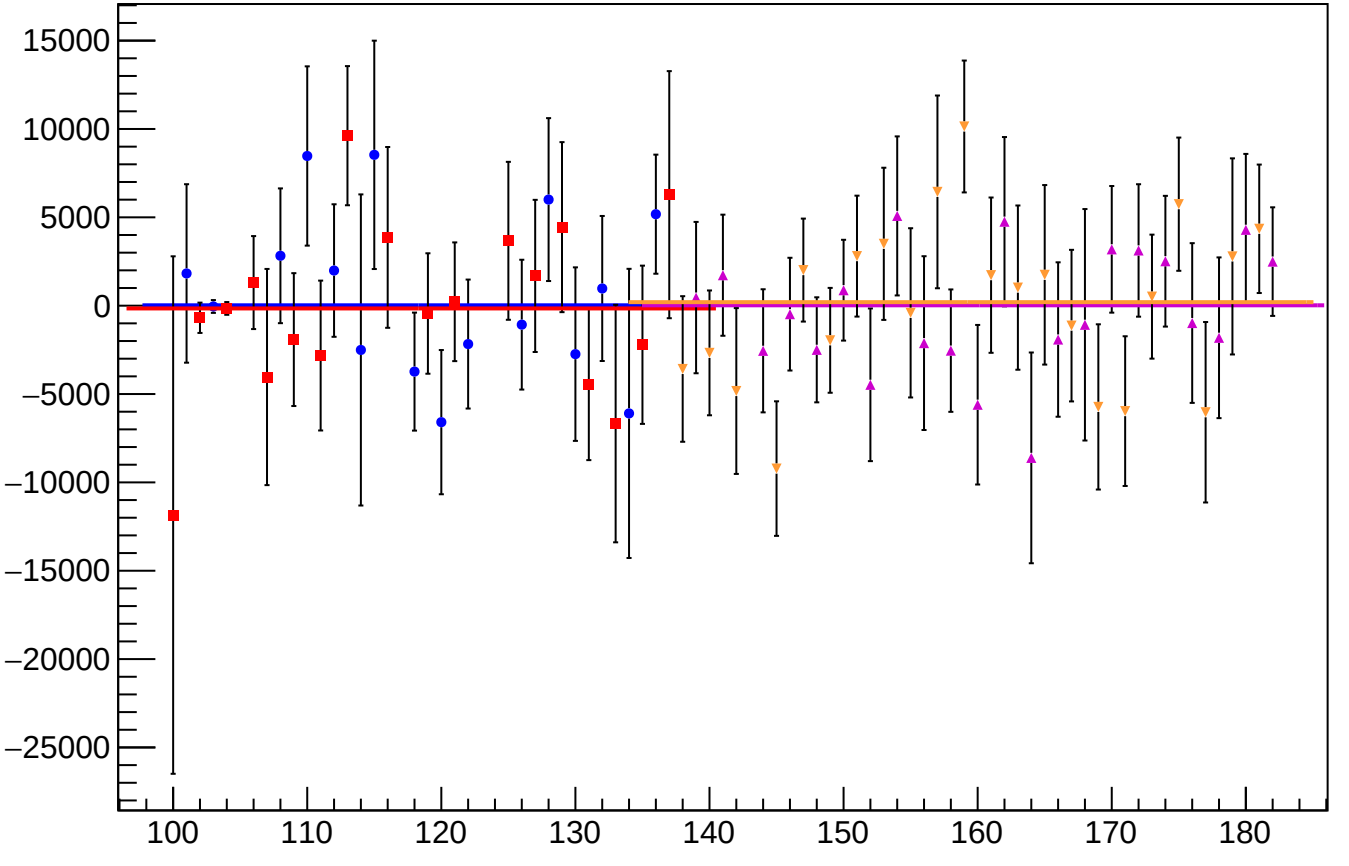
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1109.393+/-0.157 χ^2/NDF:676892.6/37

Out: 1113.676+/-0.159 χ^2/NDF:279151.6/39

All: 1111.507+/-0.112 χ^2/NDF: 956410.9/77

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: 199.765+/-856.237 χ^2/NDF:28.5/21

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 21.208+/-827.558 χ^2/NDF:13.3/21

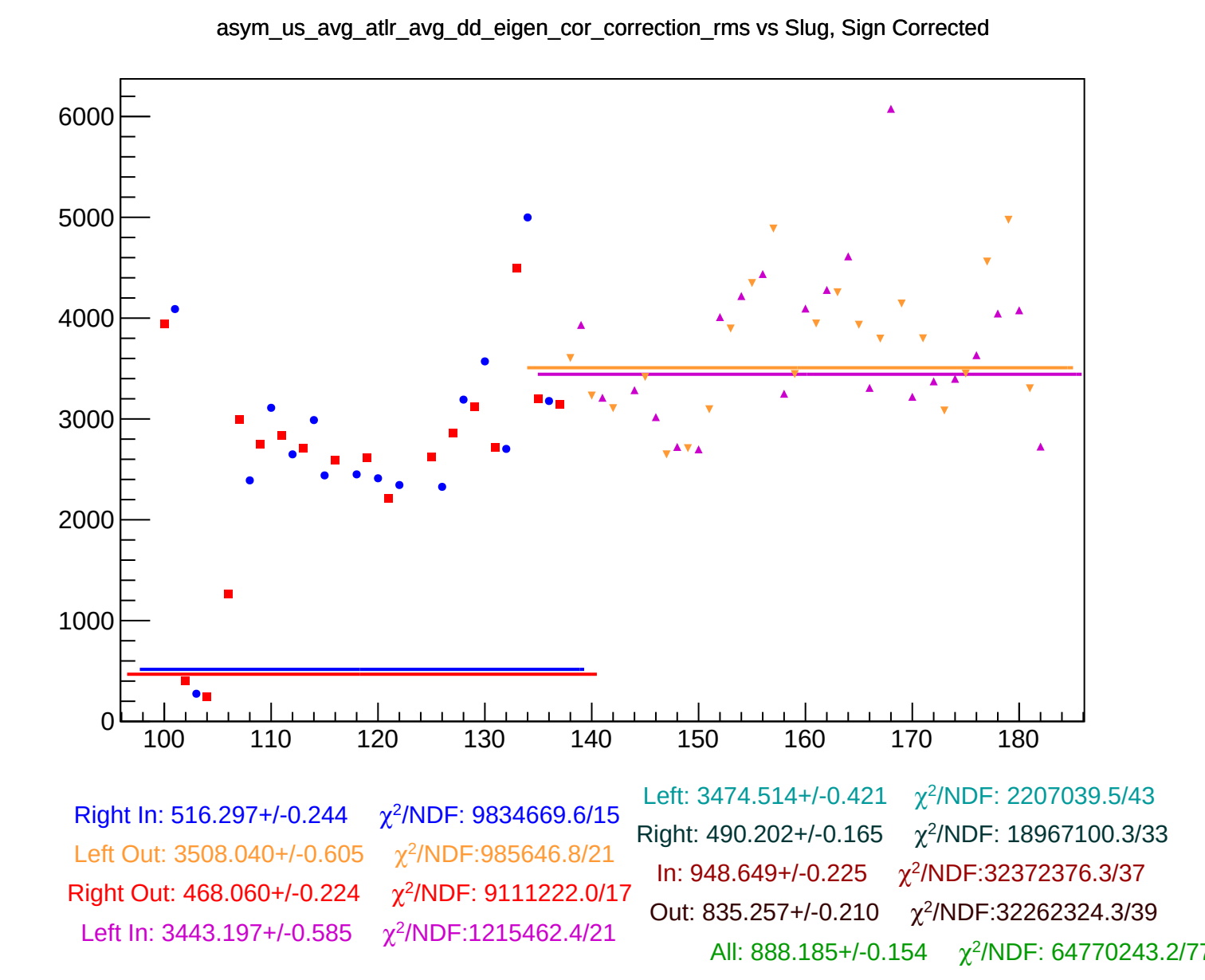
Left: 107.446+/-595.052 χ^2/NDF: 41.9/43

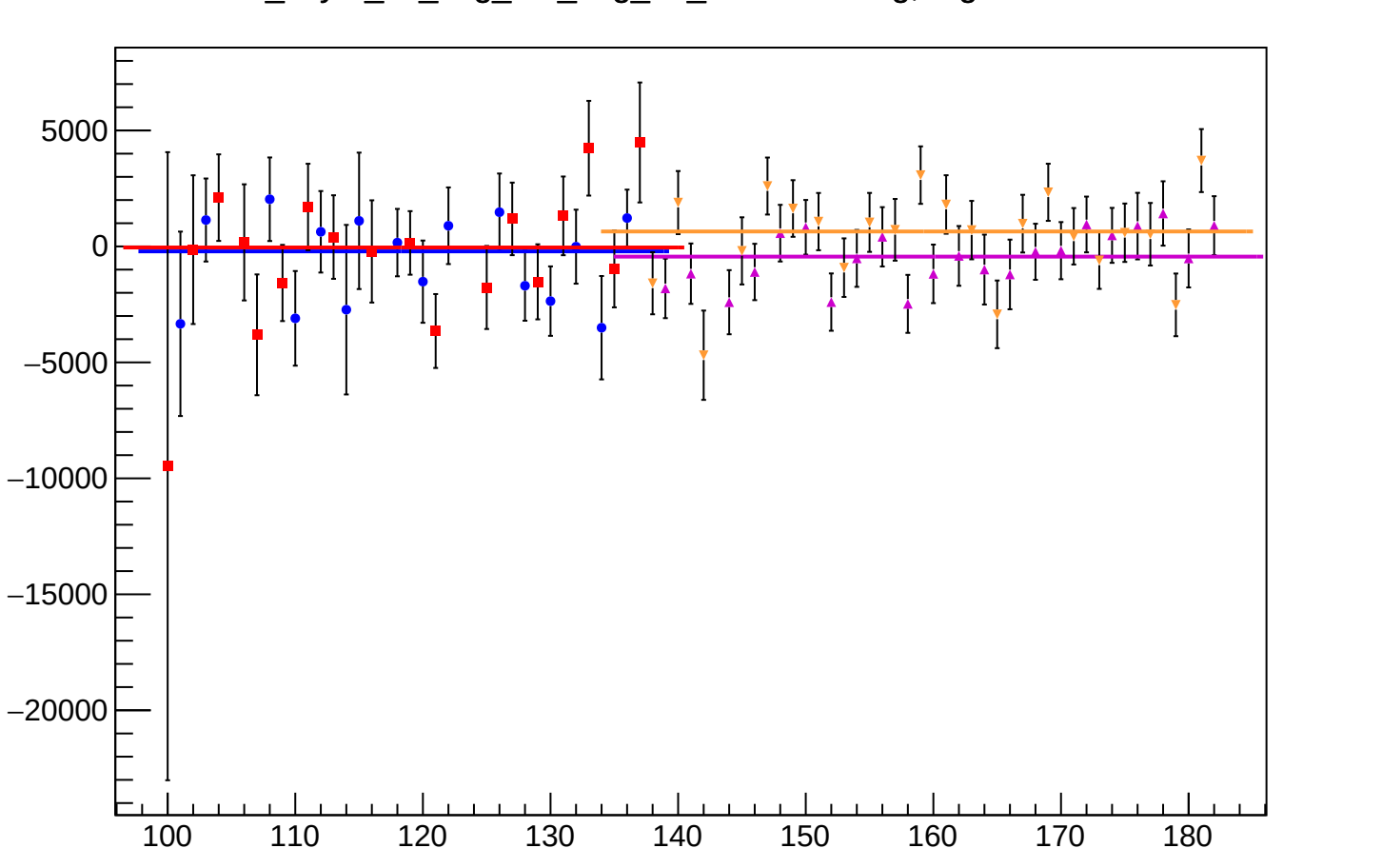
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 21.580+/-318.063 χ^2/NDF:28.2/37

Out: -113.230+/-297.583 χ^2/NDF:42.7/39

All: -50.304+/-217.303 χ^2/NDF: 71.0/77


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 516.297+/-0.244 χ²/NDF: 9834669.6/15
Left Out: 3508.040+/-0.605 χ²/NDF:985646.8/21
Right Out: 468.060+/-0.224 χ²/NDF: 9111222.0/17
Left In: 3443.197+/-0.585 χ²/NDF:1215462.4/21
Left: 3474.514+/-0.421 χ²/NDF: 2207039.5/43
Right: 490.202+/-0.165 χ²/NDF: 18967100.3/33
In: 948.649+/-0.225 χ²/NDF:32372376.3/37
Out: 835.257+/-0.210 χ²/NDF:32262324.3/39
All: 888.185+/-0.154 χ²/NDF: 64770243.2/77



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 644.535+/-277.986 χ^2/NDF:40.9/21

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -439.623+/-272.298 χ^2/NDF:17.7/21

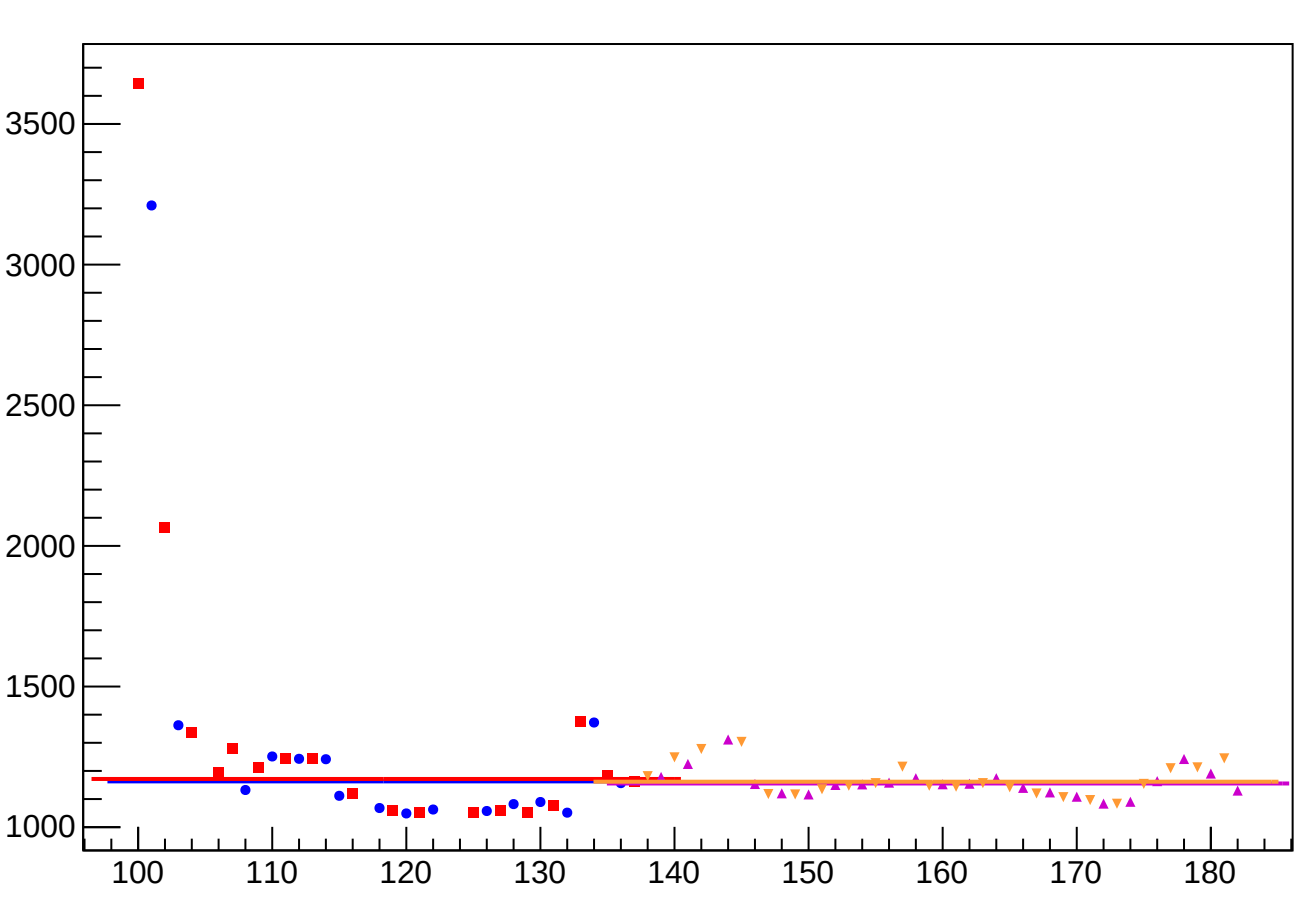
Left: 91.250+/-194.524 χ^2/NDF: 66.3/43

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -377.437+/-231.934 χ^2/NDF:32.3/37

Out: 452.218+/-236.094 χ^2/NDF:64.2/39

All: 30.017+/-165.453 χ^2/NDF: 102.8/77



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1161.675+/-0.197 χ^2/NDF:78810.6/21

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1155.373+/-0.193 χ^2/NDF:64537.3/21

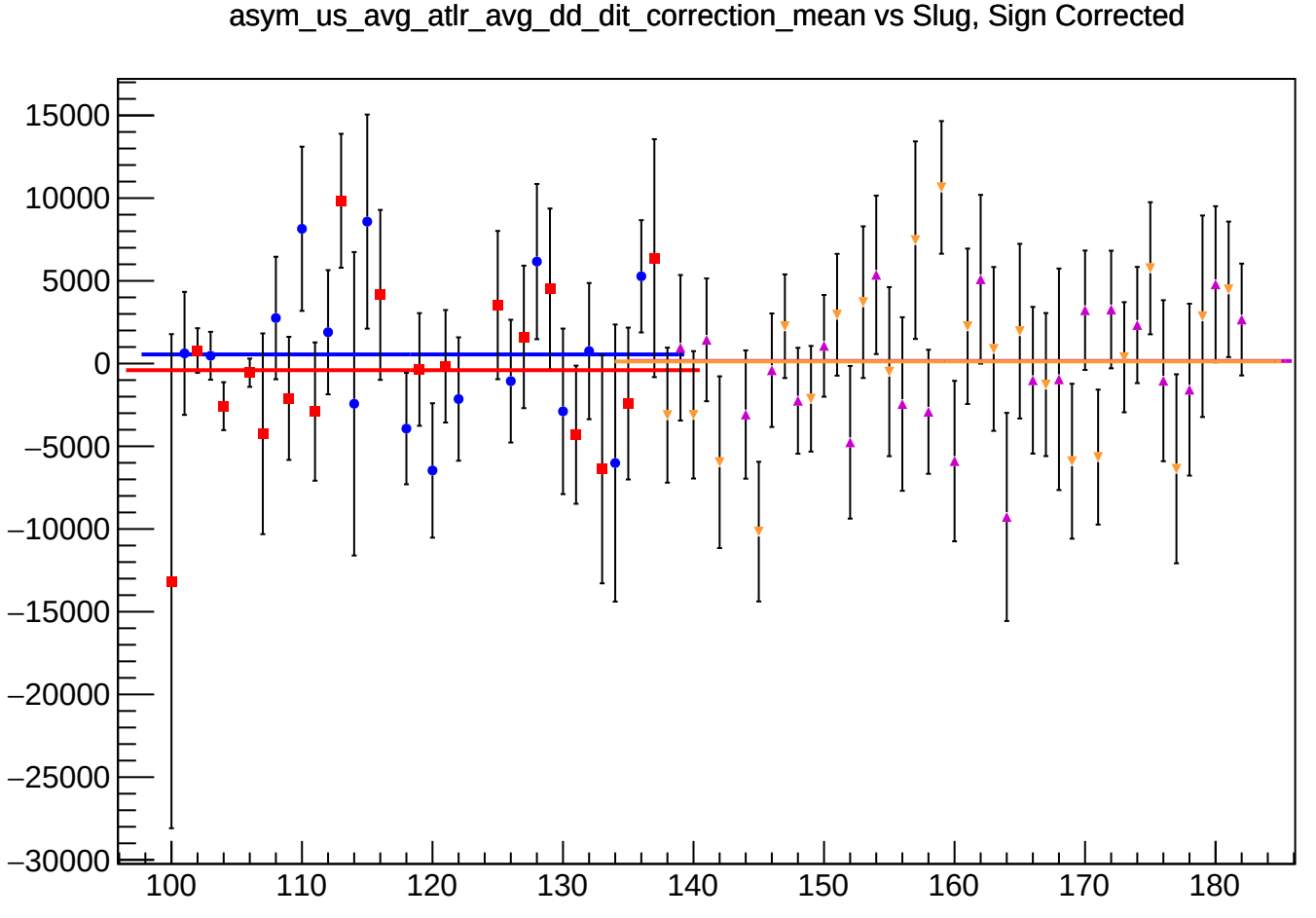
Left: 1158.459+/-0.138 χ^2/NDF: 143872.5/43

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1157.426+/-0.164 χ^2/NDF:700304.8/37

Out: 1164.393+/-0.167 χ^2/NDF:411136.9/39

All: 1160.848+/-0.117 χ^2/NDF: 1112328.1/77



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 129.334+/-904.603 χ^2/NDF:28.0/21

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 155.025+/-875.301 χ^2/NDF:13.2/21

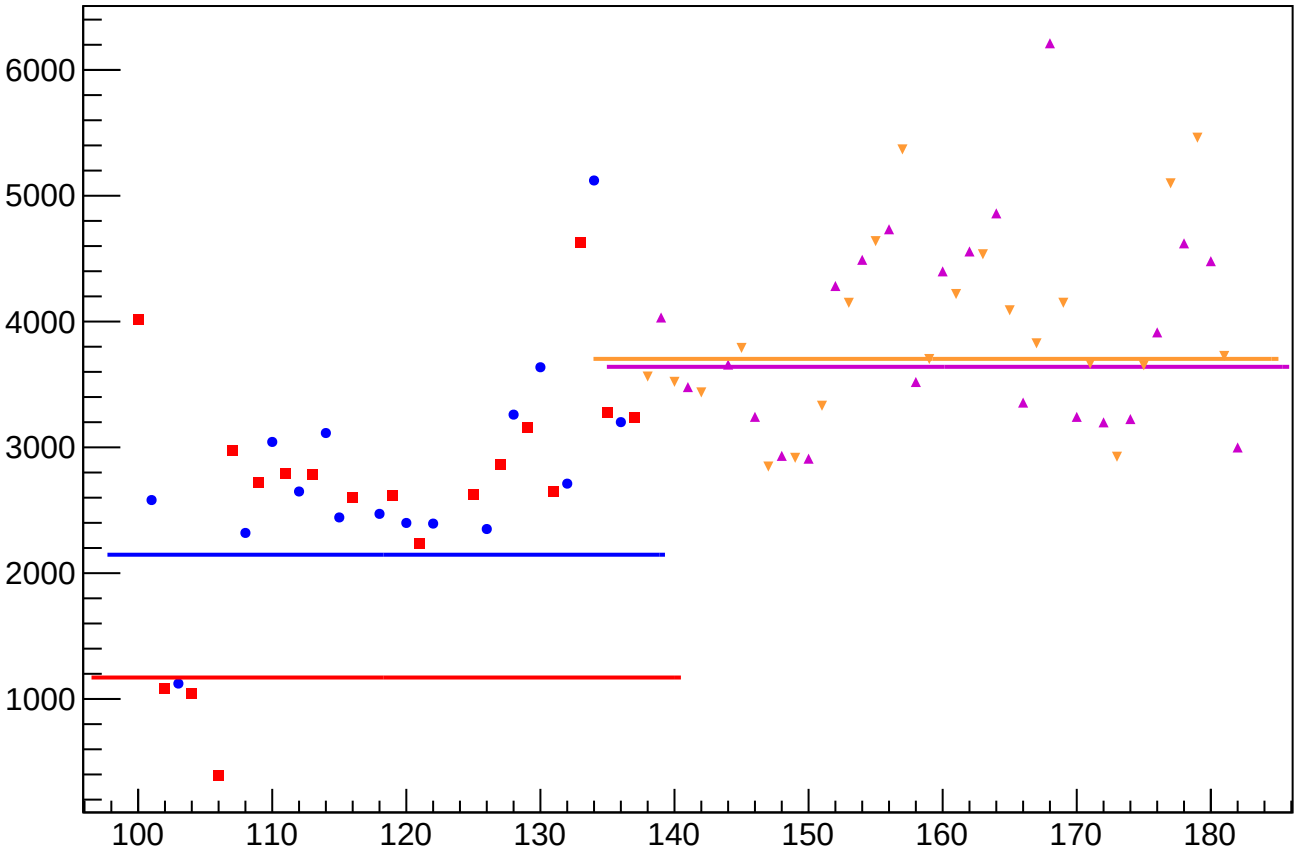
Left: 142.602+/-629.035 χ^2/NDF: 41.1/43

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 354.037+/-618.516 χ^2/NDF:27.7/37

Out: -251.434+/-479.740 χ^2/NDF:44.9/39

All: -24.004+/-379.078 χ^2/NDF: 73.1/77



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3703.336+/-0.640 χ^2/NDF:1052254.7/21

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3640.129+/-0.619 χ^2/NDF:1235943.8/21

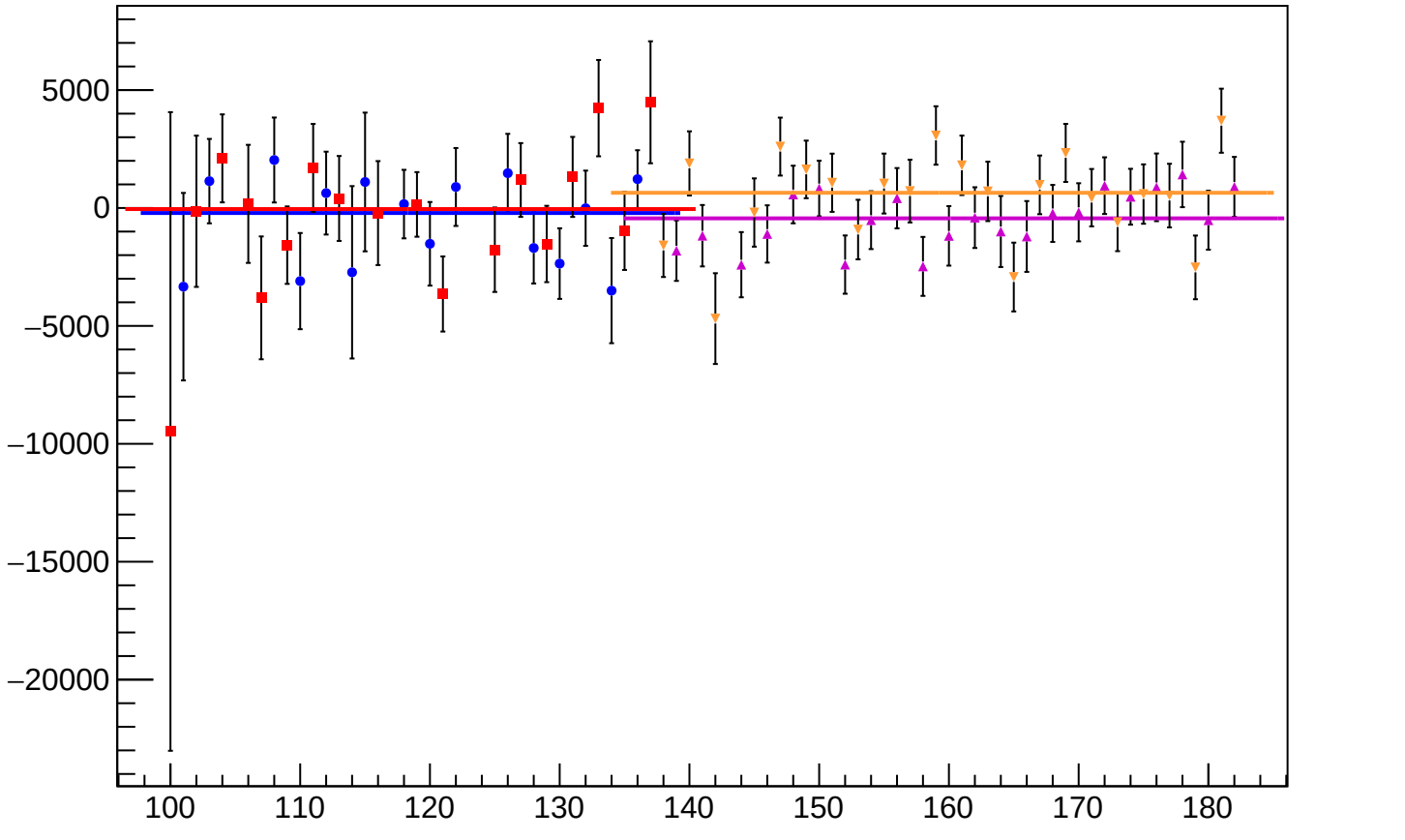
Left: 3670.692+/-0.445 χ^2/NDF: 2293241.5/43

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2892.371+/-0.437 χ^2/NDF:6125980.4/37

Out: 1882.918+/-0.339 χ^2/NDF:18138592.6/39

All: 2262.094+/-0.268 χ^2/NDF: 27590754.2/7



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 644.537+/-277.987 χ^2/NDF:40.9/21

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -439.622+/-272.298 χ^2/NDF:17.7/21

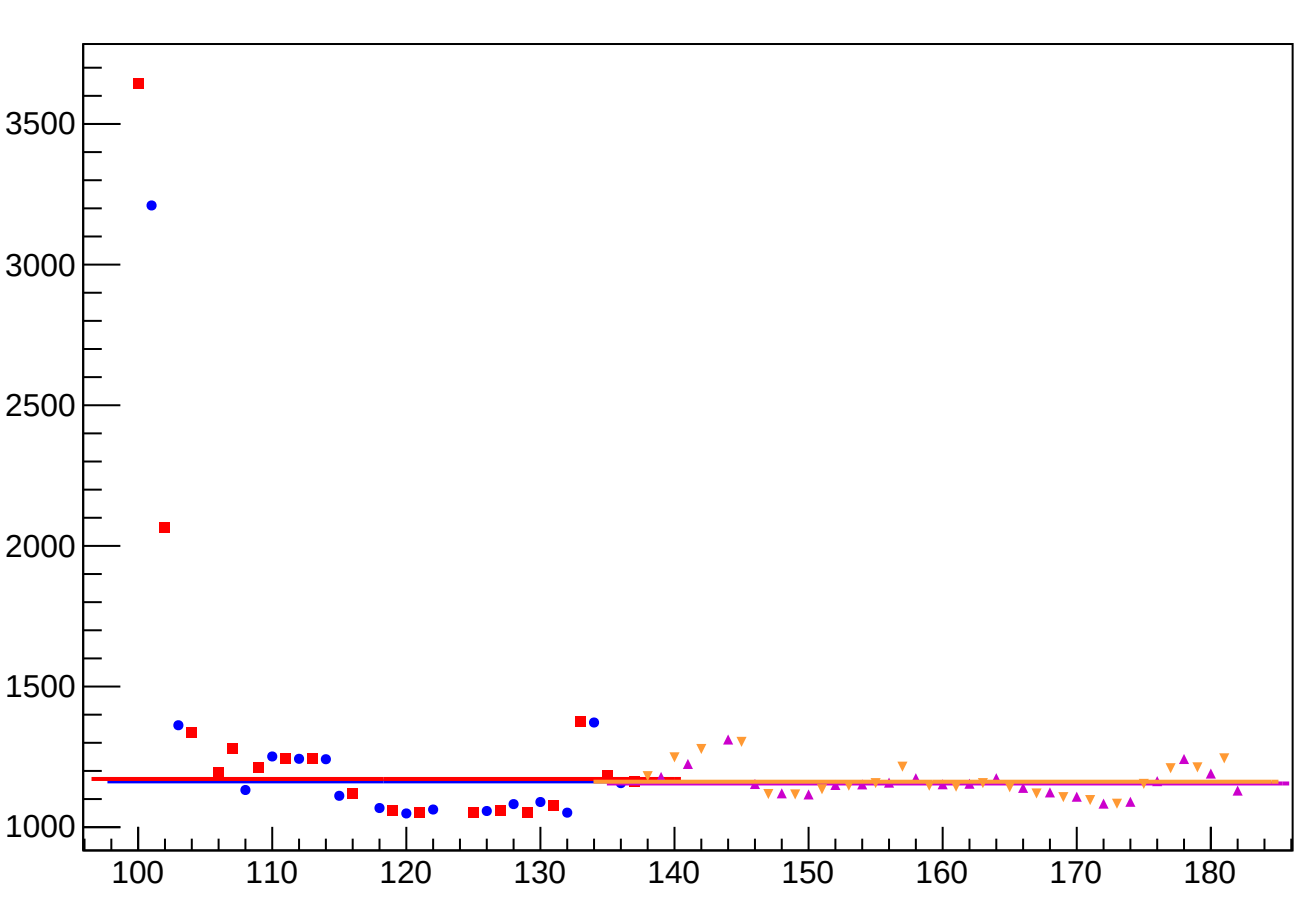
Left: 91.251+/-194.524 χ^2/NDF: 66.3/43

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -377.437+/-231.934 χ^2/NDF:32.3/37

Out: 452.218+/-236.094 χ^2/NDF:64.2/39

All: 30.017+/-165.453 χ^2/NDF: 102.8/77



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1161.676+/-0.197 χ^2/NDF:78813.1/21

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1155.374+/-0.193 χ^2/NDF:64539.8/21

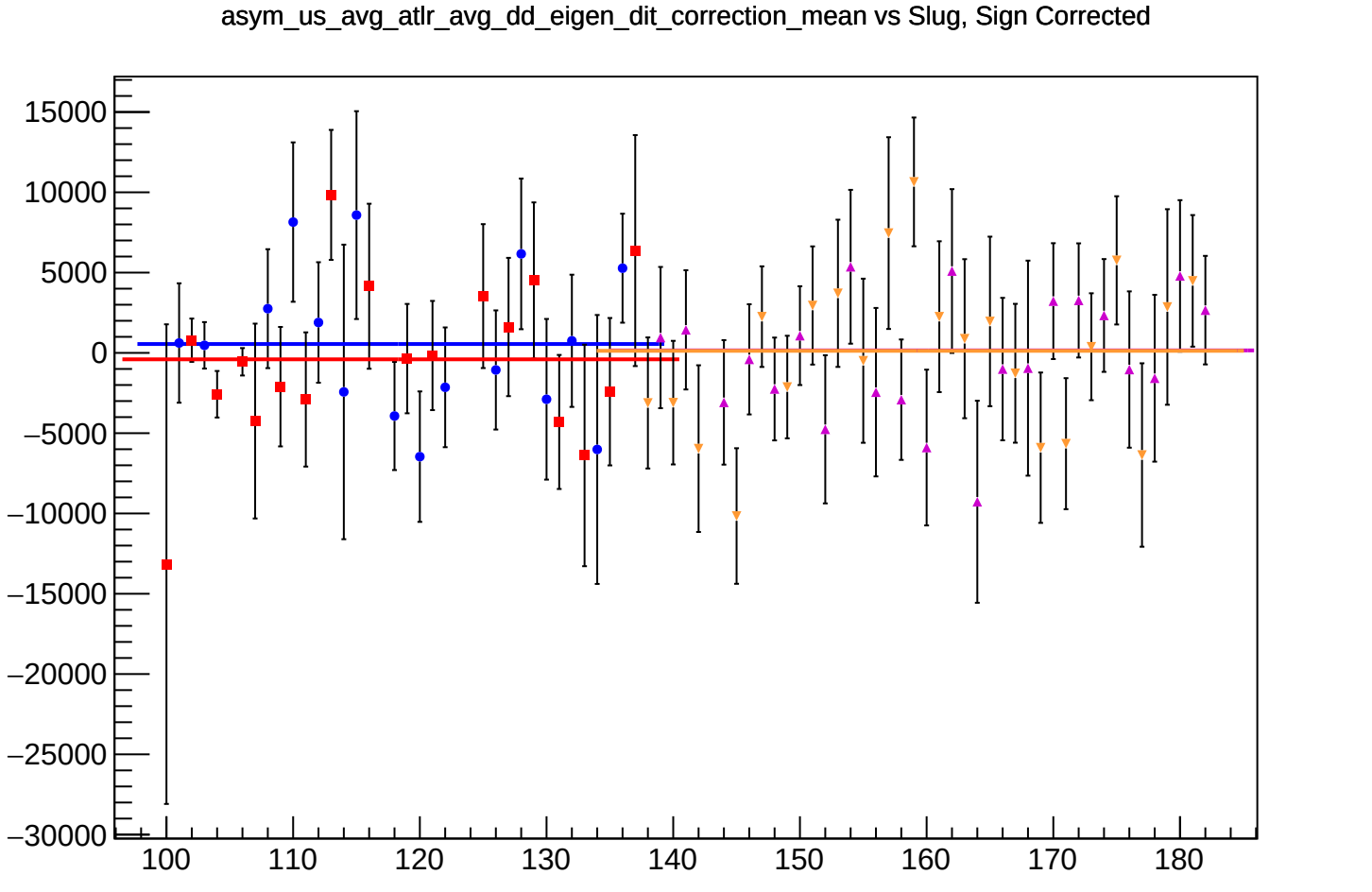
Left: 1158.460+/-0.138 χ^2/NDF: 143877.5/43

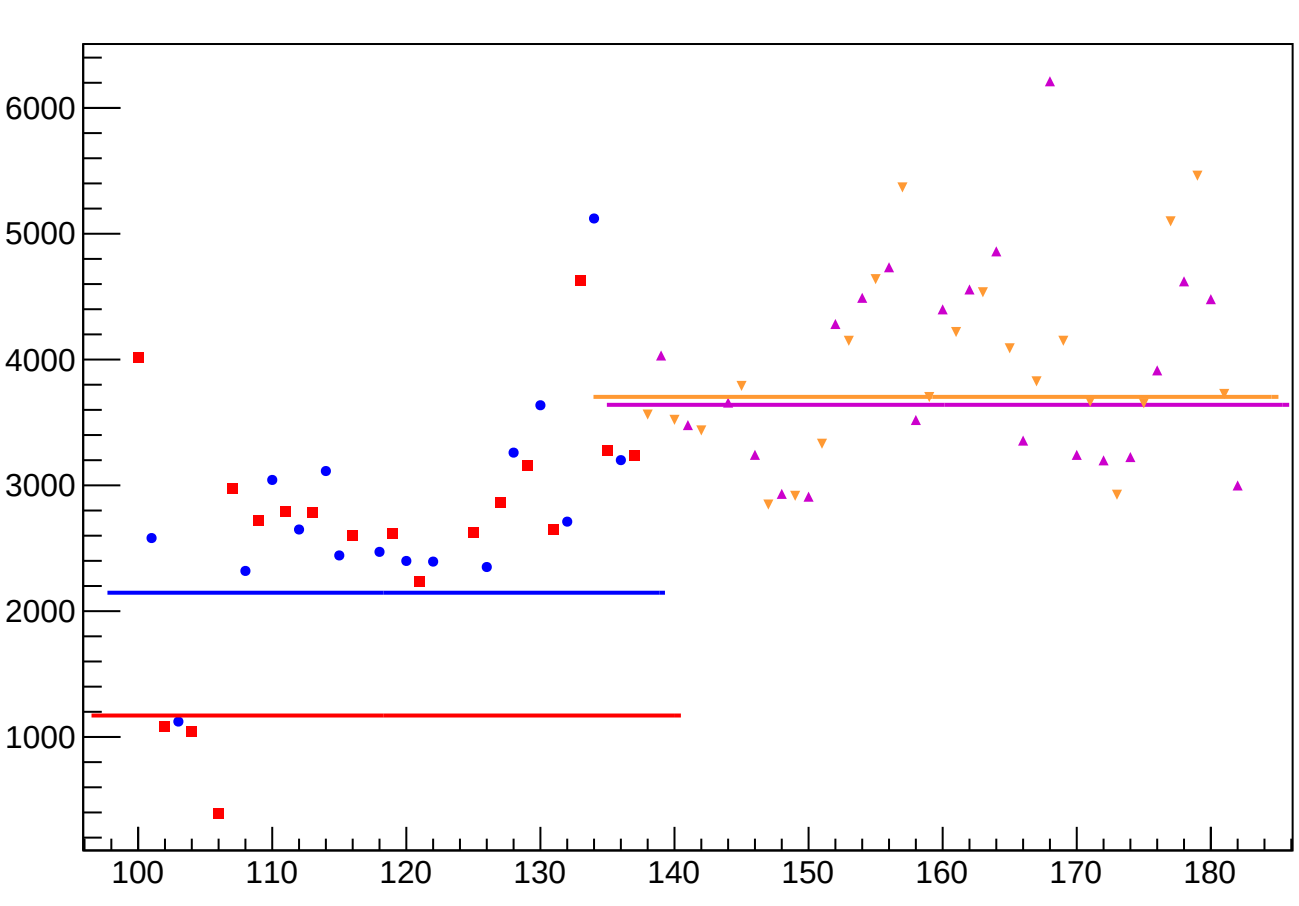
Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1157.427+/-0.164 χ^2/NDF:700307.3/37

Out: 1164.394+/-0.167 χ^2/NDF:411138.9/39

All: 1160.849+/-0.117 χ^2/NDF: 1112332.7/77


asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: 552.510+/-874.126 χ²/NDF: 14.4/15
Left Out: 129.333+/-904.604 χ²/NDF:28.0/21
Right Out: -400.433+/-565.864 χ²/NDF: 16.7/17
Left In: 155.026+/-875.302 χ²/NDF:13.2/21
Left: 142.603+/-629.036 χ²/NDF: 41.1/43
Right: -119.022+/-475.020 χ²/NDF: 31.9/33
In: 354.036+/-618.516 χ²/NDF:27.7/37
Out: -251.438+/-479.736 χ²/NDF:44.9/39
All: -24.009+/-379.076 χ²/NDF: 73.1/77



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3703.342+/-0.640 χ^2/NDF:1052257.5/21

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3640.134+/-0.619 χ^2/NDF:1235948.5/21

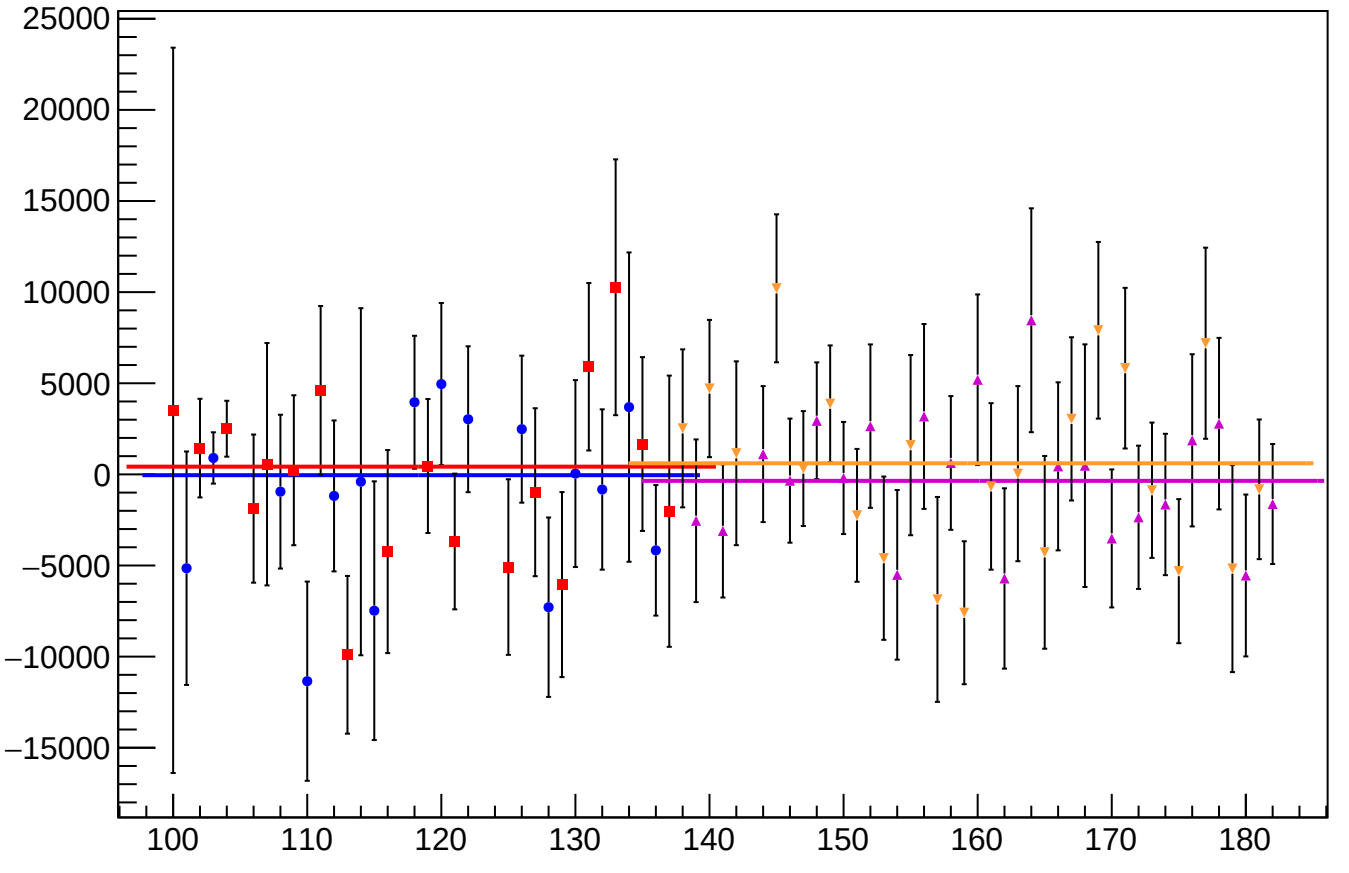
Left: 3670.698+/-0.445 χ^2/NDF: 2293249.1/43

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2892.370+/-0.437 χ^2/NDF:6126012.5/37

Out: 1882.889+/-0.339 χ^2/NDF:18139027.7/39

All: 2262.071+/-0.268 χ^2/NDF: 27591424.2/7



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 608.468+/-902.564 χ^2/NDF:26.2/21

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -355.761+/-873.108 χ^2/NDF:12.2/21

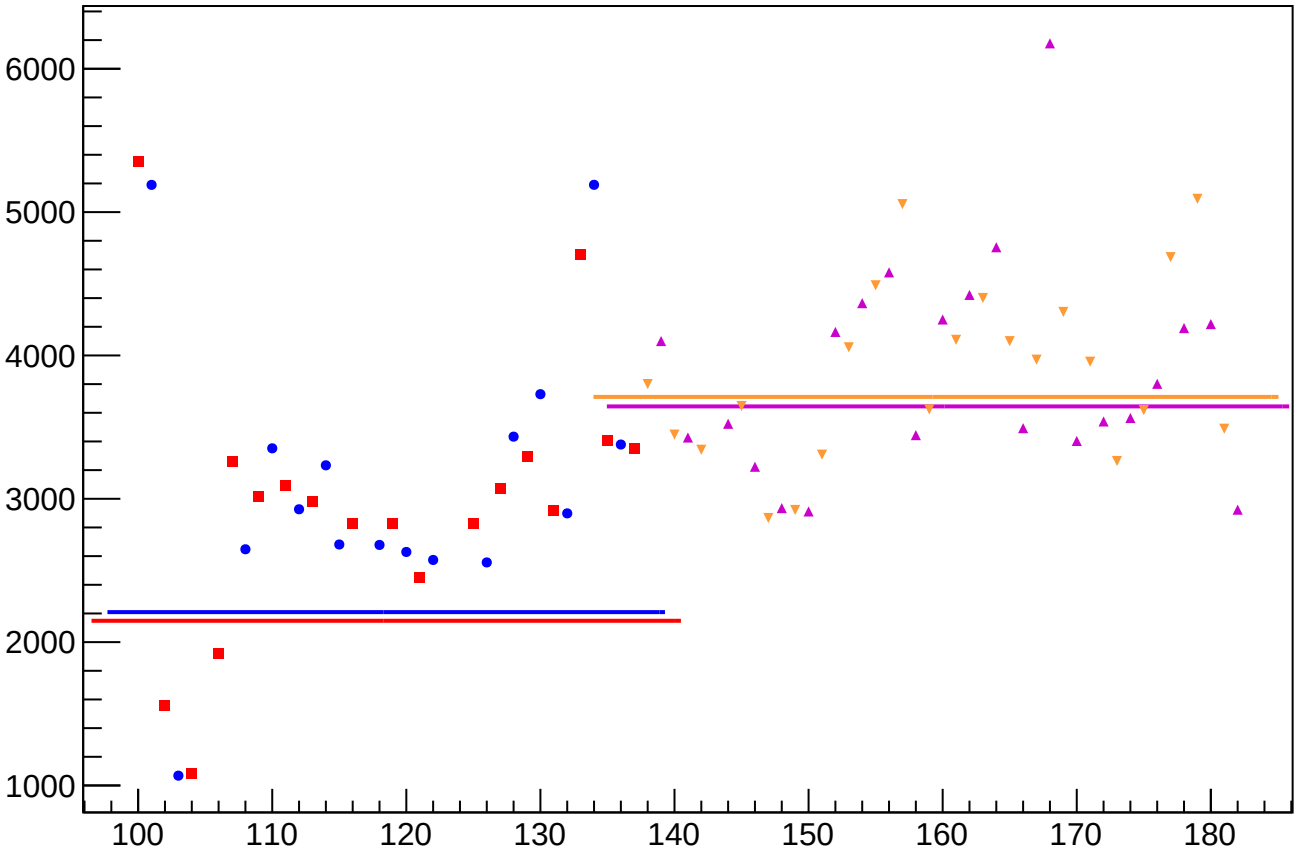
Left: 110.362+/-627.536 χ^2/NDF: 39.0/43

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -208.566+/-633.549 χ^2/NDF:26.0/37

Out: 515.373+/-636.139 χ^2/NDF:43.6/39

All: 151.927+/-448.900 χ^2/NDF: 70.3/77



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3710.851+/-0.638 χ^2/NDF:822901.6/21

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3644.475+/-0.617 χ^2/NDF:1029697.1/21

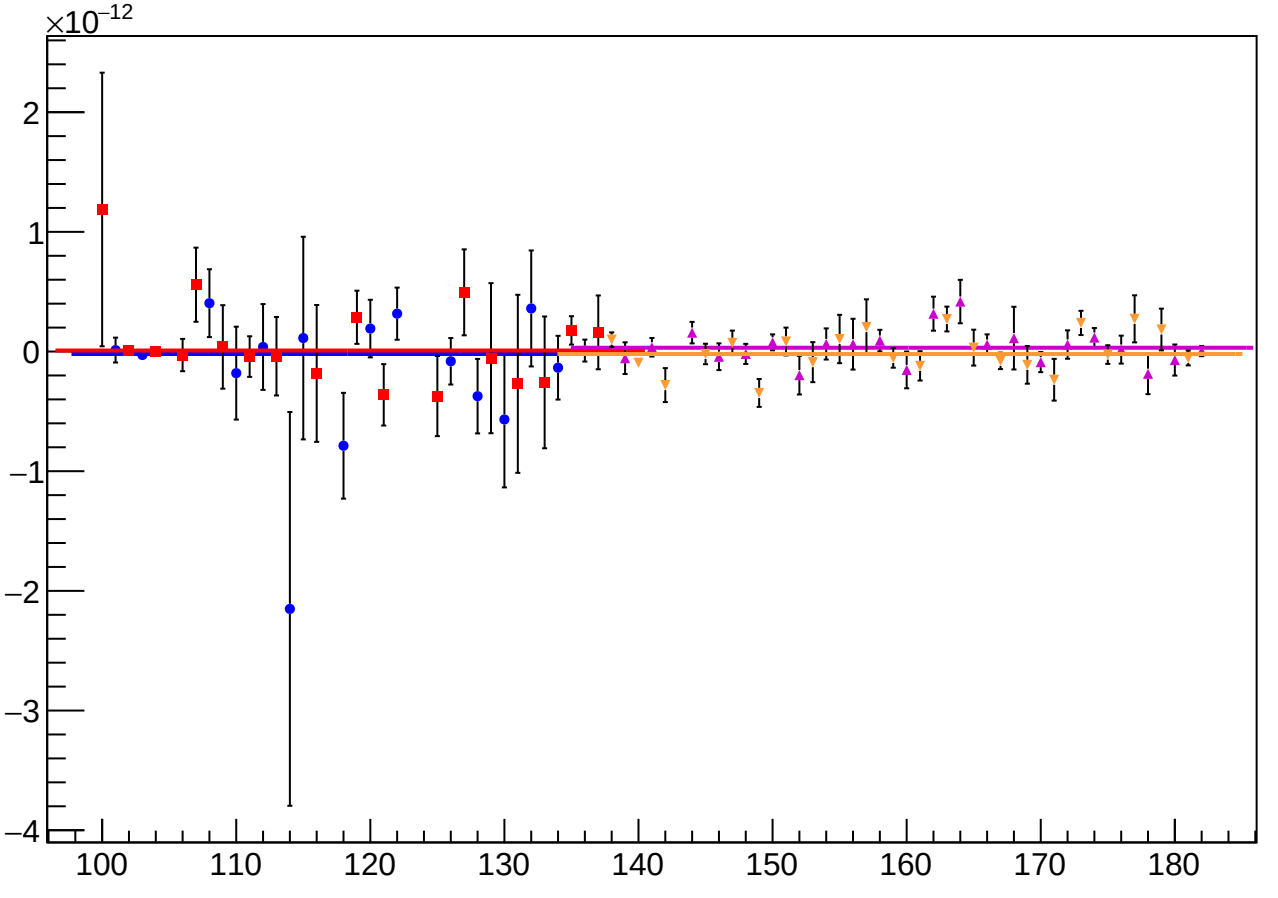
Left: 3676.563+/-0.444 χ^2/NDF: 1858186.5/43

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2964.987+/-0.448 χ^2/NDF:6424958.9/37

Out: 2922.970+/-0.449 χ^2/NDF:6113826.9/39

All: 2944.039+/-0.317 χ^2/NDF: 12543171.6/7



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:22.3/21

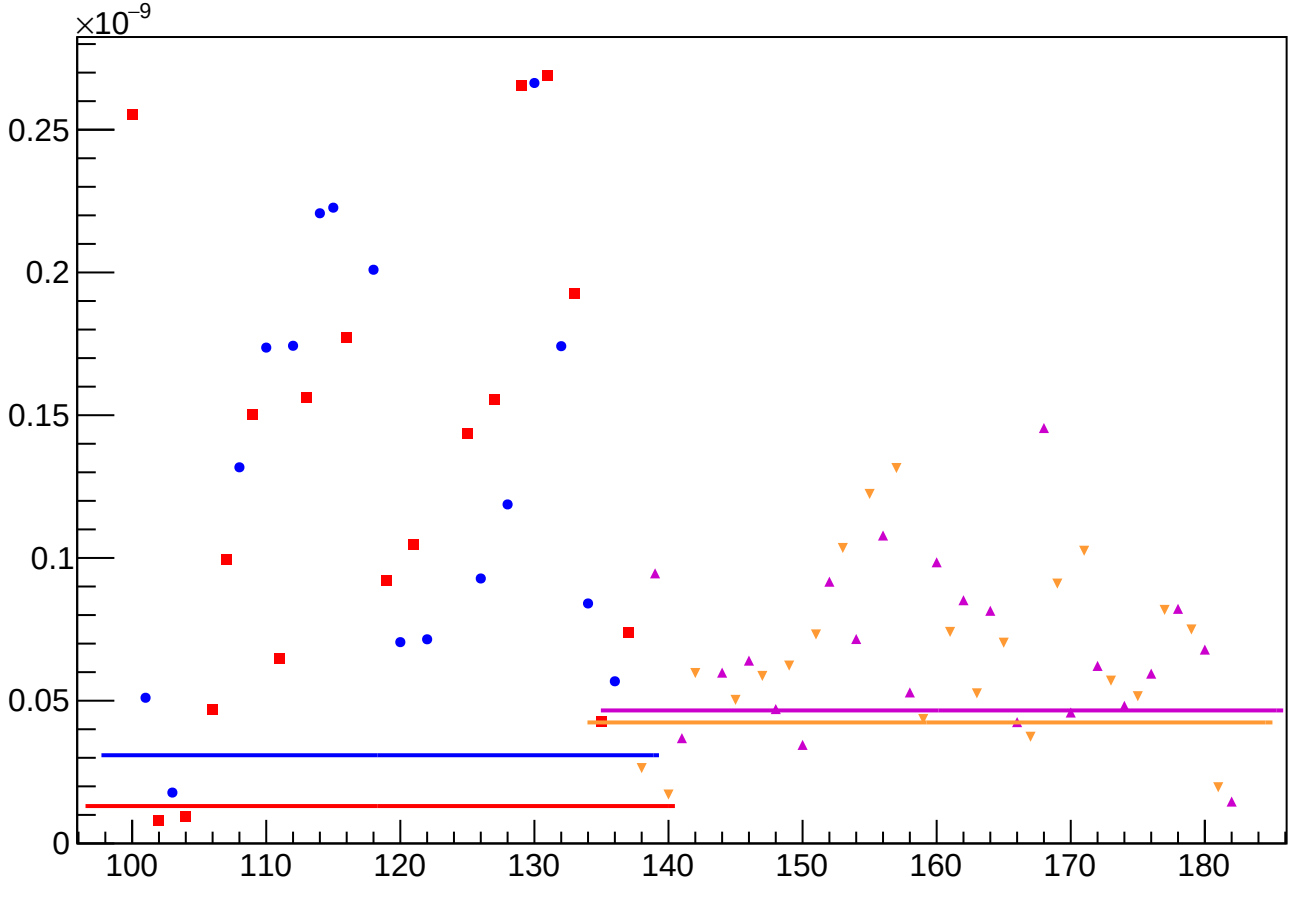
Left: 0.000+/-0.000 χ^2/NDF: 69.1/43

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:38.6/37

Out: -0.000+/-0.000 χ^2/NDF:58.8/39

All: 0.000+/-0.000 χ^2/NDF: 97.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:3228643.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2922128.8/21

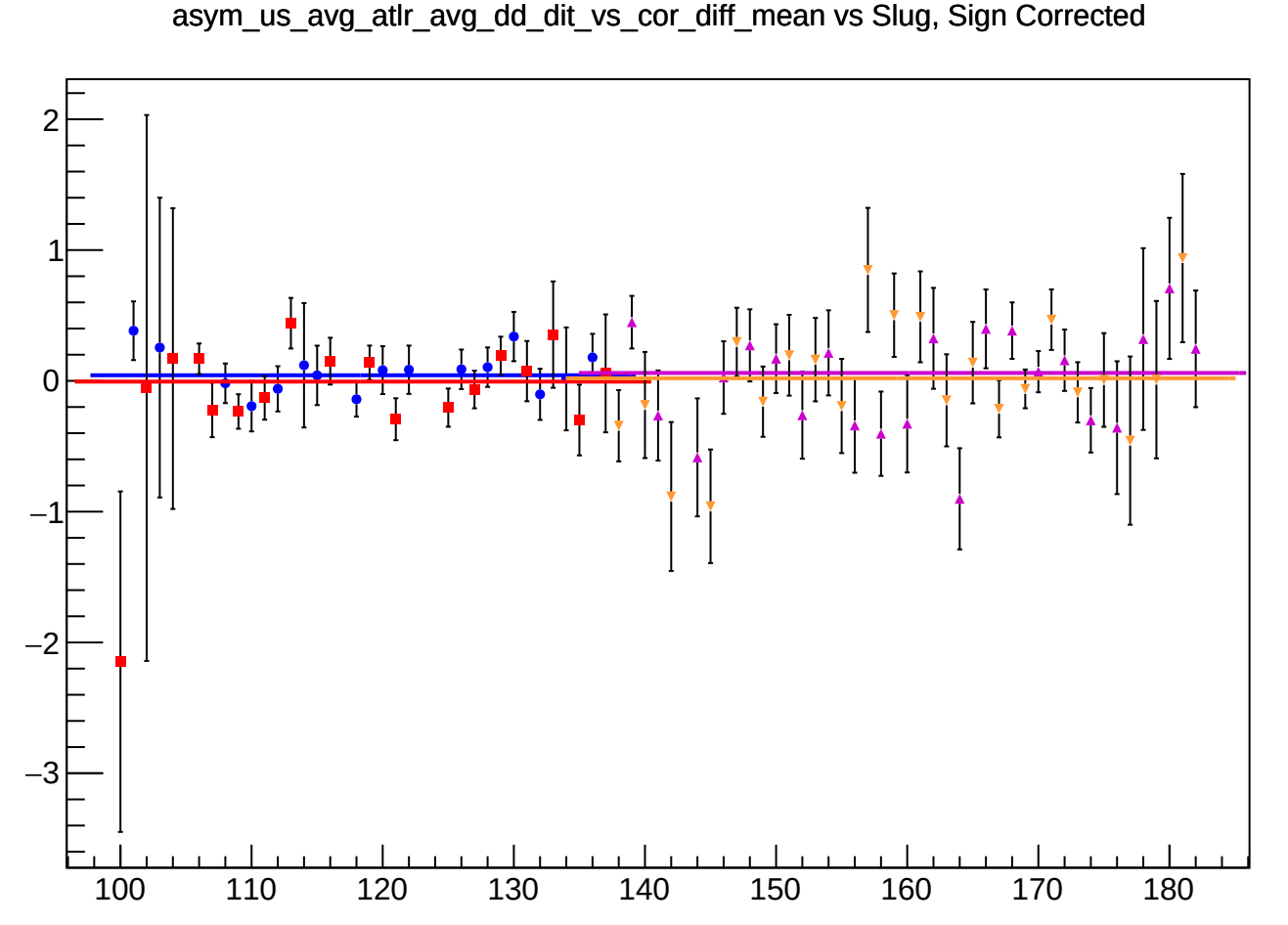
Left: 0.000+/-0.000 χ^2/NDF: 6194925.5/43

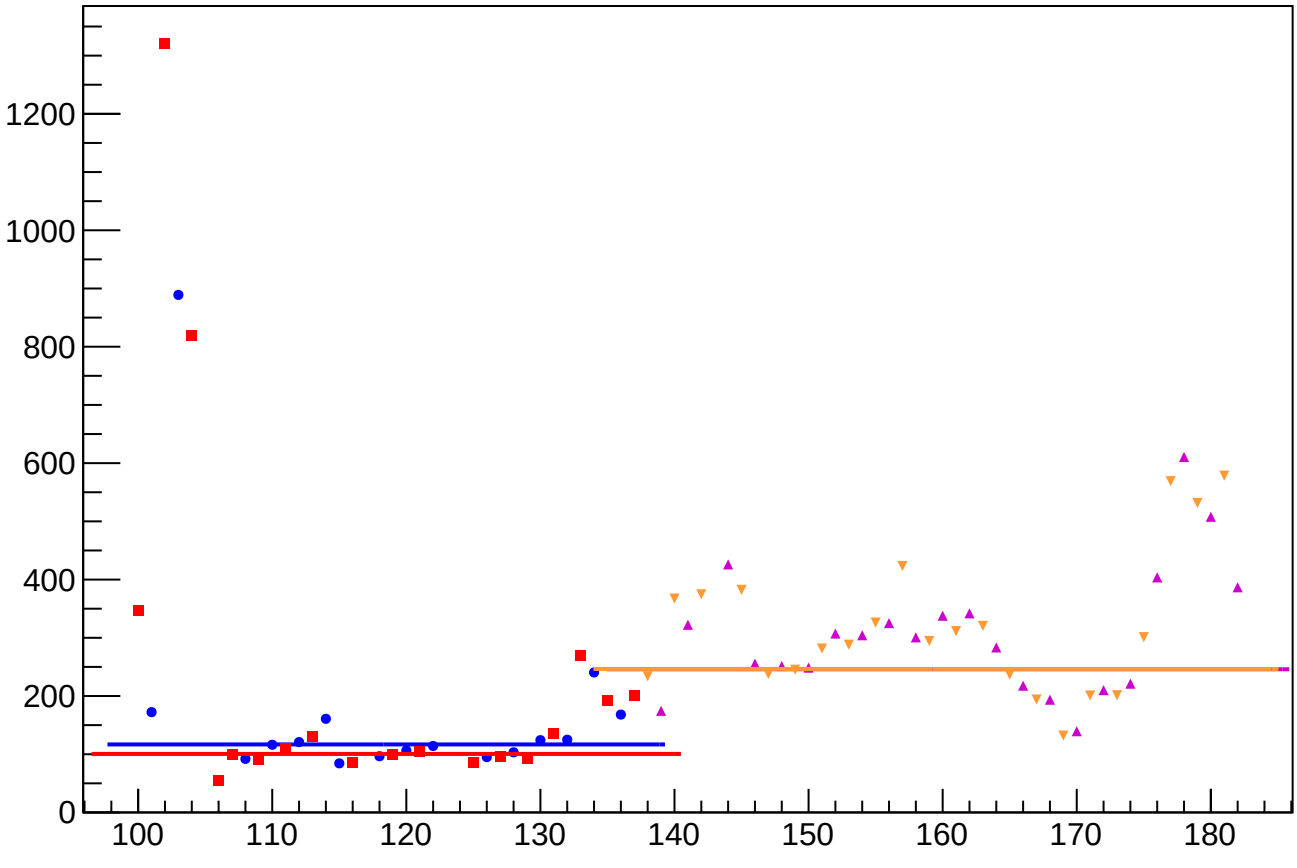
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:6382467.6/37

Out: 0.000+/-0.000 χ^2/NDF:9716636.4/39

All: 0.000+/-0.000 χ^2/NDF: 17505043.9/77


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.020+/-0.064 χ²/NDF:27.6/21
Right Out: -0.006+/-0.043 χ²/NDF: 26.0/17
Left In: 0.060+/-0.062 χ²/NDF:27.9/21
Left: 0.041+/-0.045 χ²/NDF: 55.7/43
Right: 0.016+/-0.032 χ²/NDF: 36.9/33
In: 0.049+/-0.038 χ²/NDF:38.2/37
Out: 0.002+/-0.036 χ²/NDF:53.7/39
All: 0.025+/-0.026 χ²/NDF: 92.8/77



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 246.505+/-0.045 χ^2/NDF:4116101.1/21

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 245.963+/-0.044 χ^2/NDF:3754697.8/21

Left: 246.227+/-0.032 χ^2/NDF: 7870872.4/43

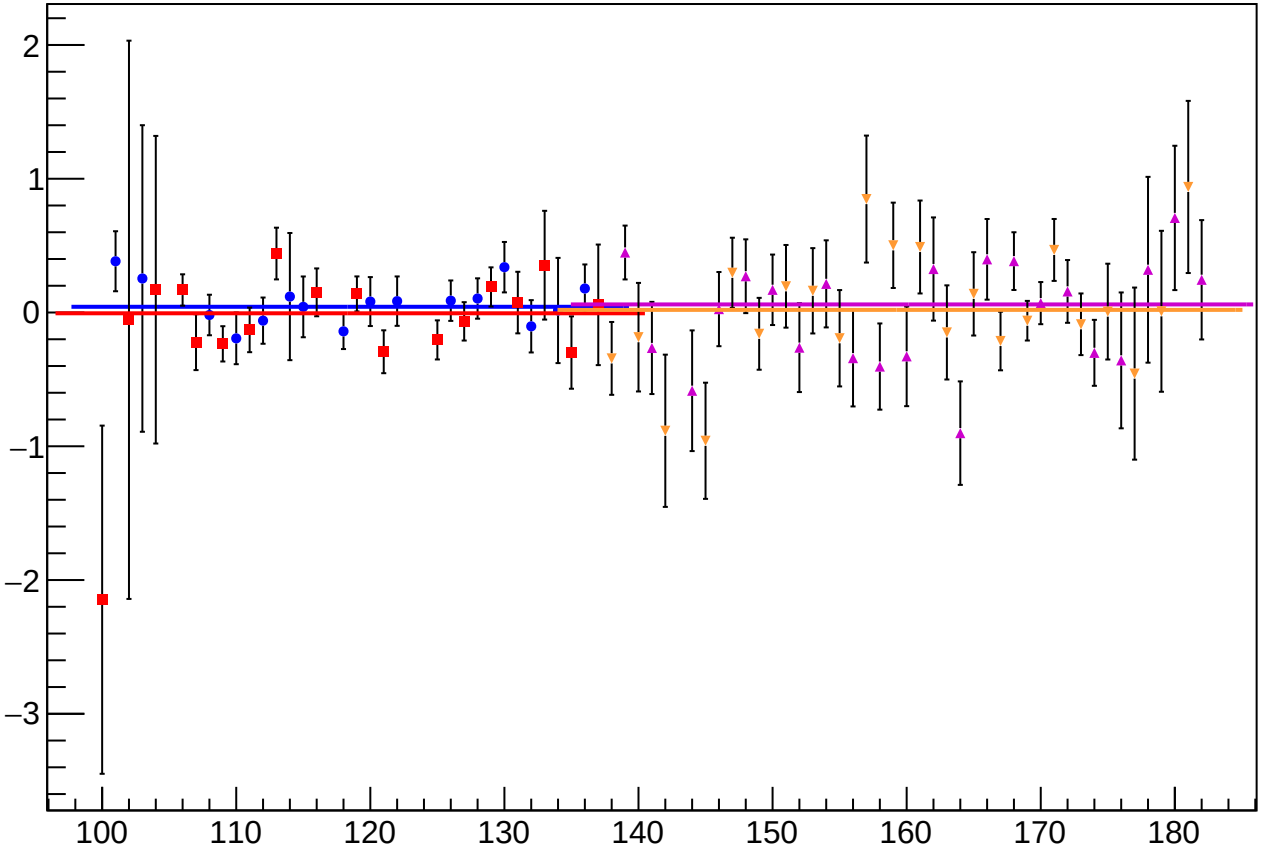
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 164.169+/-0.027 χ^2/NDF:10800359.2/37

Out: 146.547+/-0.025 χ^2/NDF:13916339.5/39

All: 154.909+/-0.018 χ^2/NDF: 24945359.5/77

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: 0.020+/-0.064 χ^2/NDF:27.6/21

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.060+/-0.062 χ^2/NDF:27.9/21

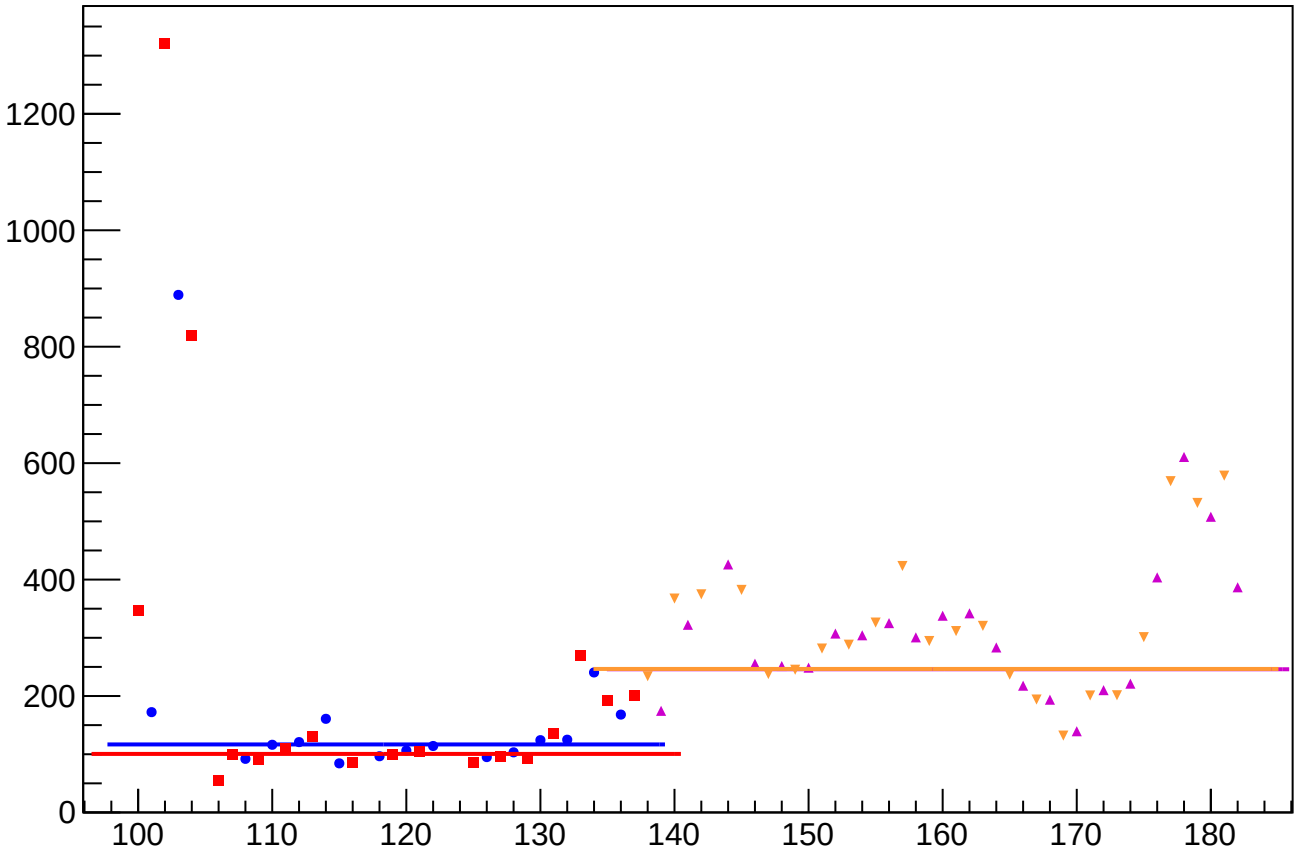
Left: 0.041+/-0.045 χ^2/NDF: 55.7/43

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.049+/-0.038 χ^2/NDF:38.2/37

Out: 0.002+/-0.036 χ^2/NDF:53.7/39

All: 0.025+/-0.026 χ^2/NDF: 92.8/77



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 246.505+/-0.045 χ^2/NDF:4116101.1/21

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 245.963+/-0.044 χ^2/NDF:3754697.8/21

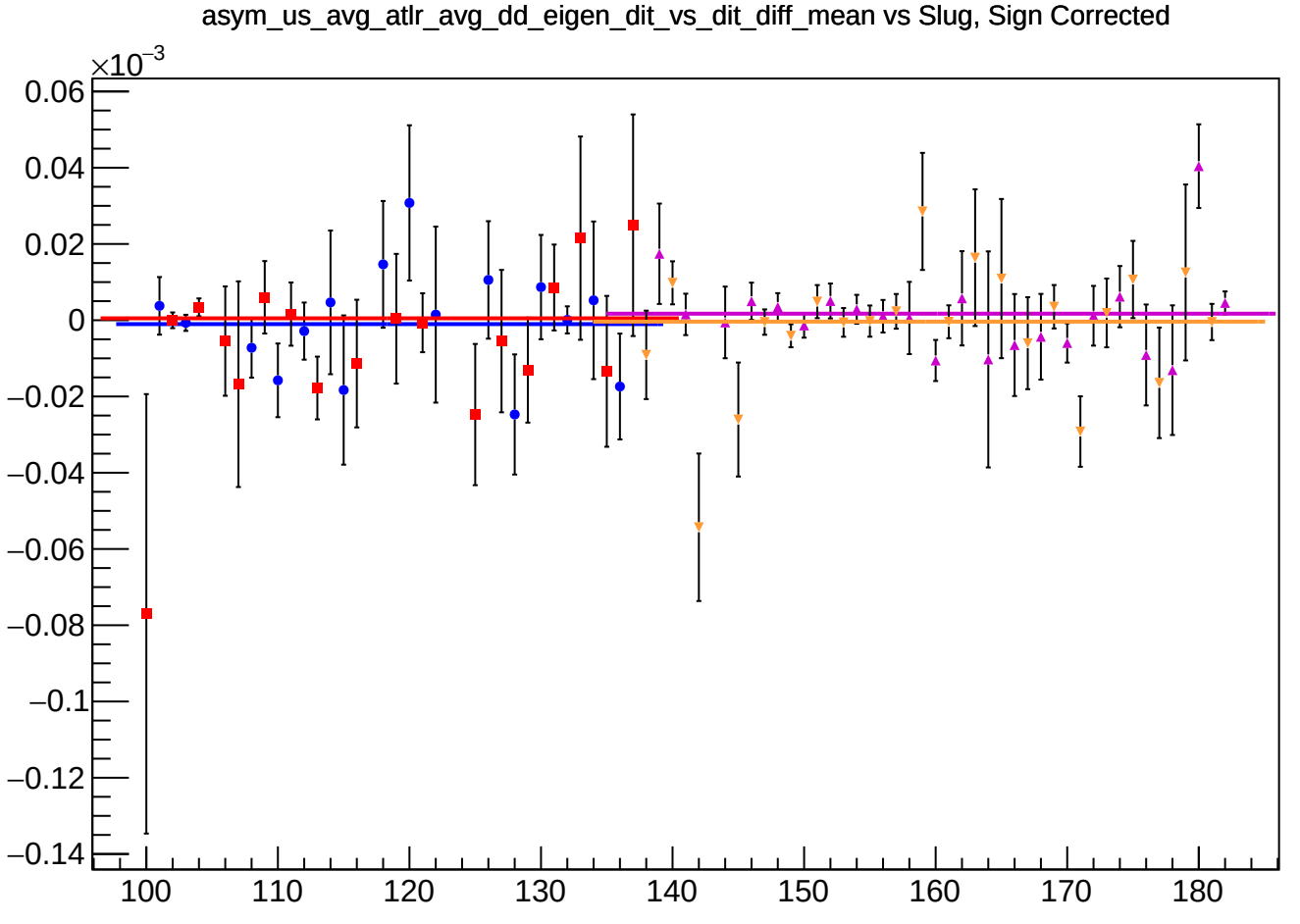
Left: 246.227+/-0.032 χ^2/NDF: 7870872.4/43

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 164.169+/-0.027 χ^2/NDF:10800359.2/37

Out: 146.547+/-0.025 χ^2/NDF:13916339.5/39

All: 154.909+/-0.018 χ^2/NDF: 24945359.5/77



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:27.2/21

Left: 0.000+/-0.000 χ^2/NDF: 64.4/43

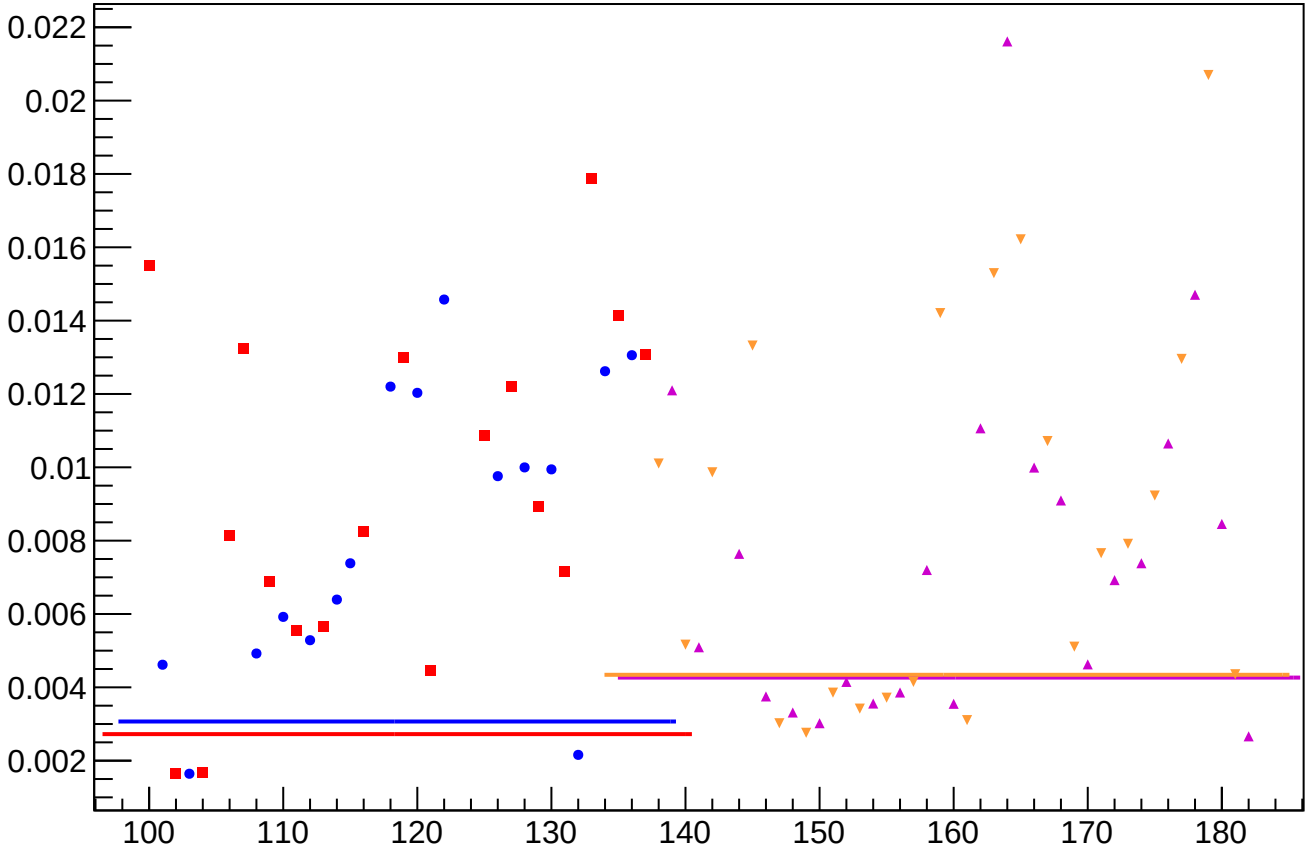
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:41.6/37

Out: 0.000+/-0.000 χ^2/NDF:51.1/39

All: 0.000+/-0.000 χ^2/NDF: 93.0/77

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:8205256.1/21

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:6497636.9/21

Left: 0.004+/-0.000 χ^2/NDF: 14706876.3/43

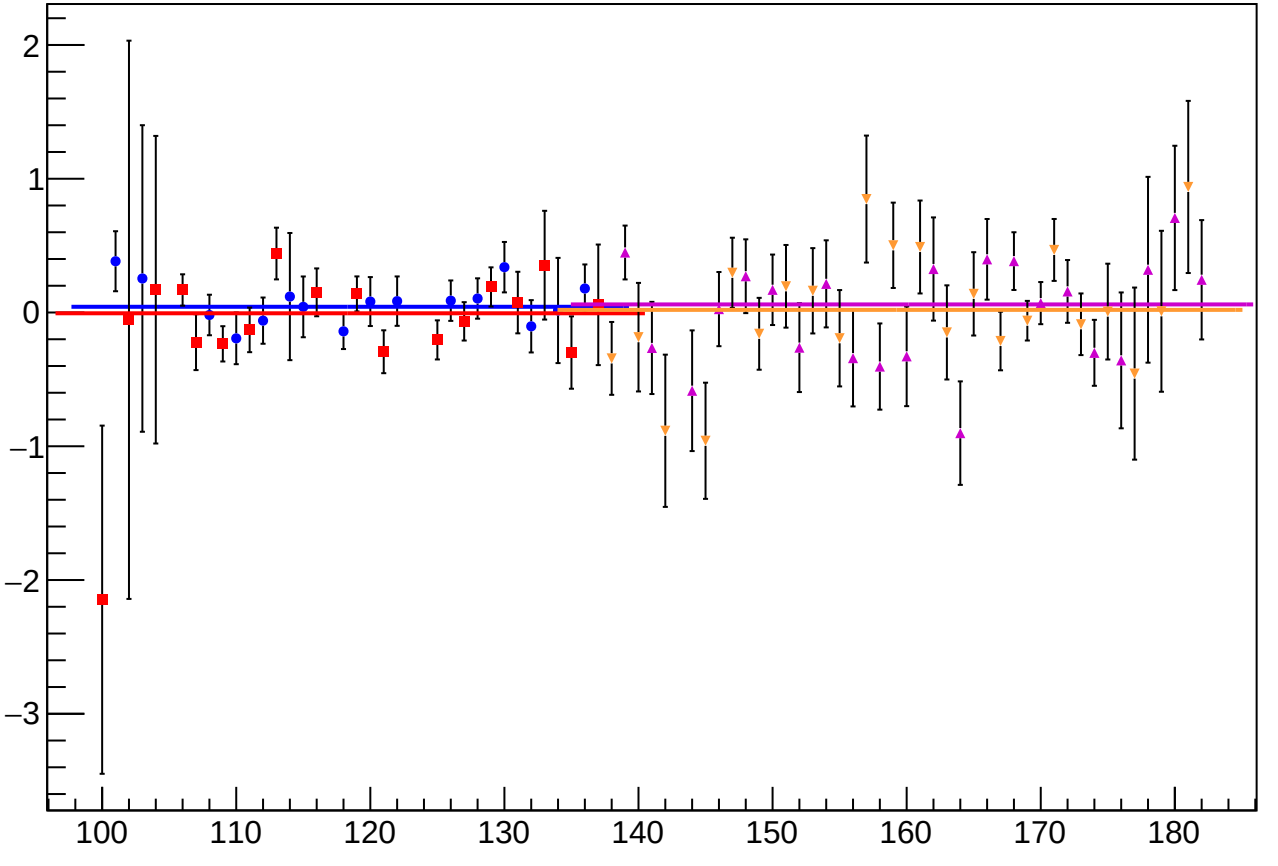
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:13192749.4/37

Out: 0.004+/-0.000 χ^2/NDF:16432837.8/39

All: 0.004+/-0.000 χ^2/NDF: 29668806.9/77

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: 0.020+/-0.064 χ^2/NDF:27.6/21

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.060+/-0.062 χ^2/NDF:27.9/21

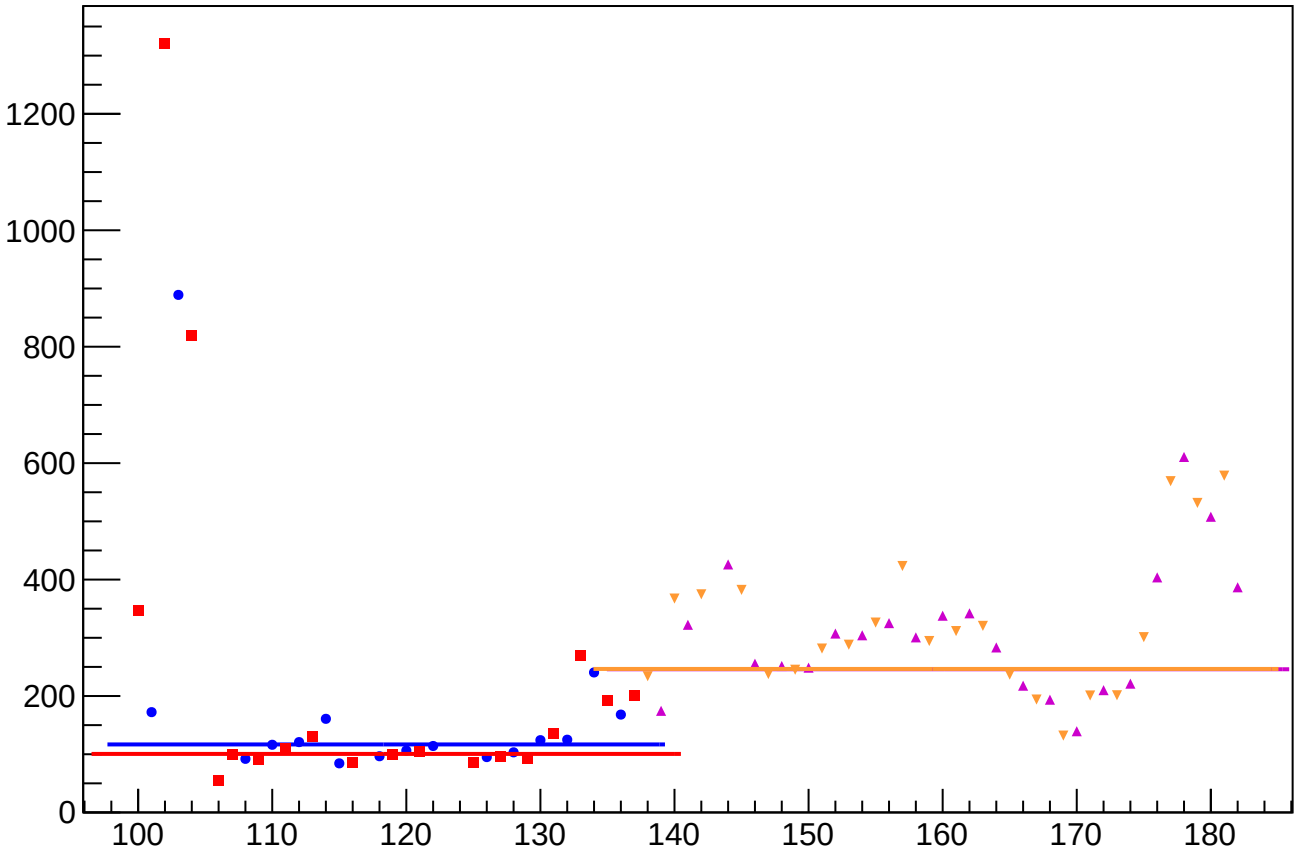
Left: 0.041+/-0.045 χ^2/NDF: 55.7/43

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.049+/-0.038 χ^2/NDF:38.2/37

Out: 0.002+/-0.036 χ^2/NDF:53.7/39

All: 0.025+/-0.026 χ^2/NDF: 92.8/77



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 246.505+/-0.045 χ^2/NDF:4116254.9/21

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 245.964+/-0.044 χ^2/NDF:3754757.3/21

Left: 246.228+/-0.032 χ^2/NDF: 7871085.3/43

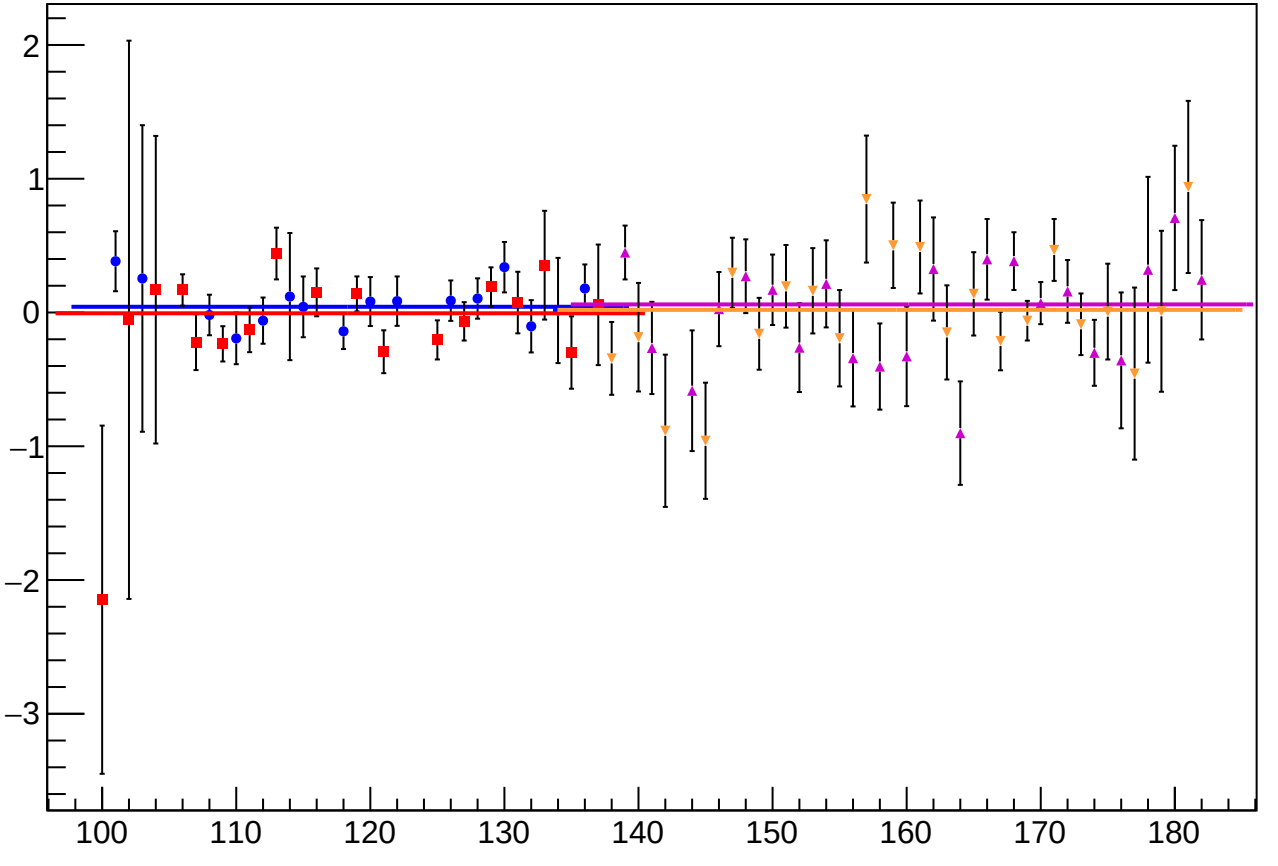
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 164.169+/-0.027 χ^2/NDF:10800508.8/37

Out: 146.546+/-0.025 χ^2/NDF:13916680.2/39

All: 154.909+/-0.018 χ^2/NDF: 24945880.8/77

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: 0.020+/-0.064 χ^2/NDF:27.6/21

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.060+/-0.062 χ^2/NDF:27.9/21

Left: 0.041+/-0.045 χ^2/NDF: 55.7/43

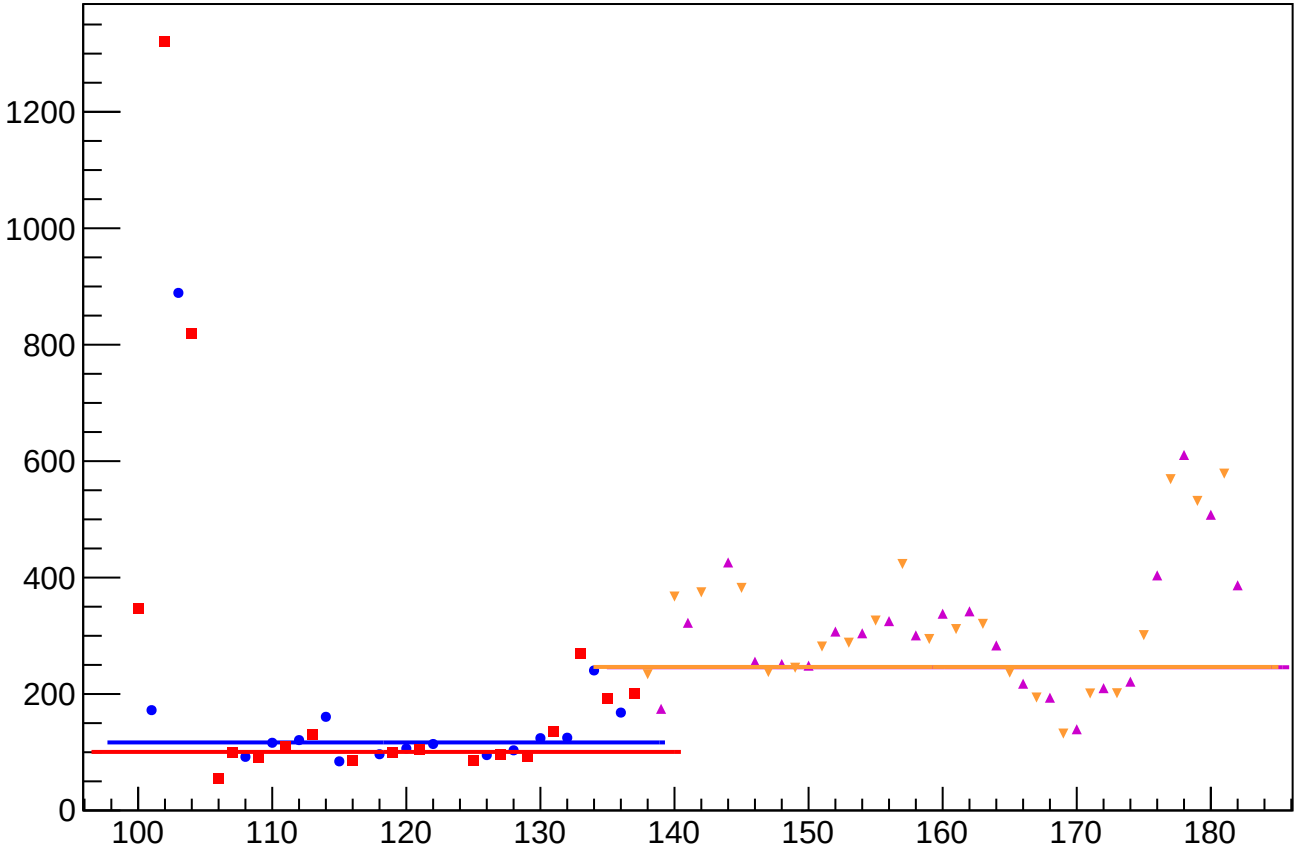
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.049+/-0.038 χ^2/NDF:38.2/37

Out: 0.002+/-0.036 χ^2/NDF:53.7/39

All: 0.025+/-0.026 χ^2/NDF: 92.8/77

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: 246.505+/-0.045 χ^2/NDF:4116254.9/21

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 245.964+/-0.044 χ^2/NDF:3754757.3/21

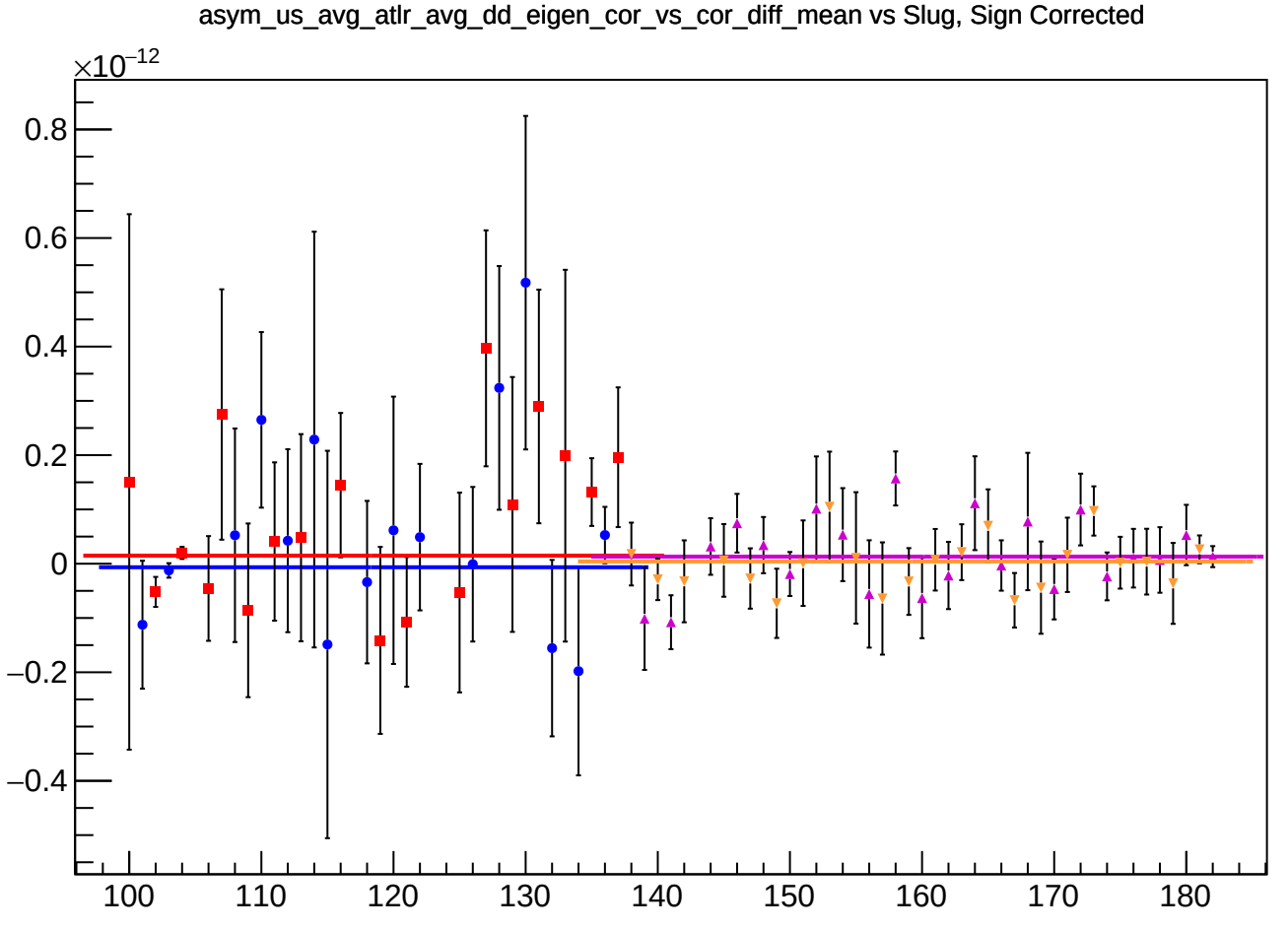
Left: 246.228+/-0.032 χ^2/NDF: 7871085.3/43

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 164.169+/-0.027 χ^2/NDF:10800508.8/37

Out: 146.546+/-0.025 χ^2/NDF:13916680.2/39

All: 154.909+/-0.018 χ^2/NDF: 24945880.8/77



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:26.7/21

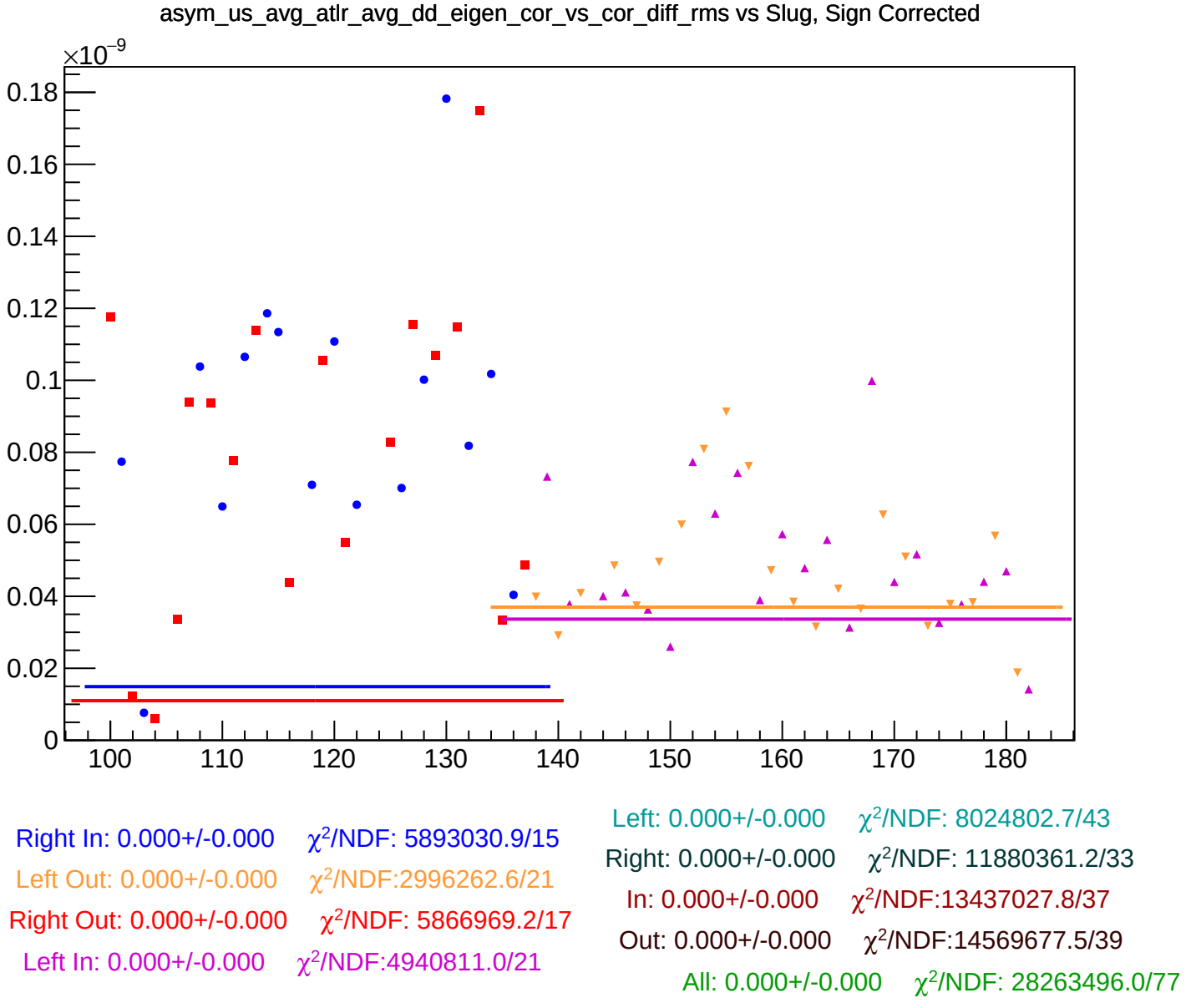
Left: 0.000+/-0.000 χ^2/NDF: 40.3/43

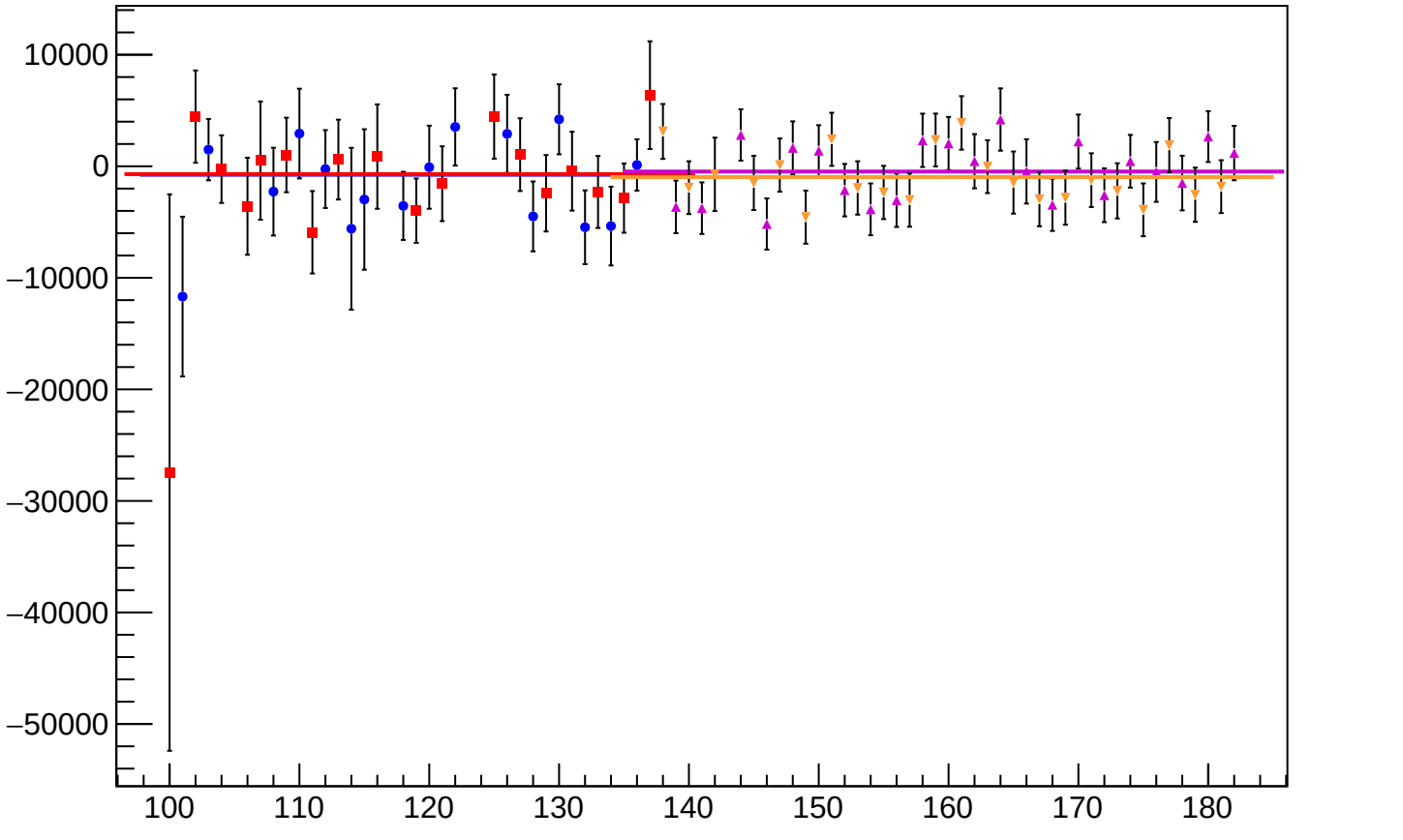
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:41.1/37

Out: 0.000+/-0.000 χ^2/NDF:35.7/39

All: 0.000+/-0.000 χ^2/NDF: 77.1/77


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2996262.6/21
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:4940811.0/21
Left: 0.000+/-0.000 χ²/NDF: 8024802.7/43
Right: 0.000+/-0.000 χ²/NDF: 11880361.2/33
In: 0.000+/-0.000 χ²/NDF:13437027.8/37
Out: 0.000+/-0.000 χ²/NDF:14569677.5/39
All: 0.000+/-0.000 χ²/NDF: 28263496.0/77



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -968.624+/-520.623 χ^2/NDF:20.0/21

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -472.388+/-513.434 χ^2/NDF:27.0/21

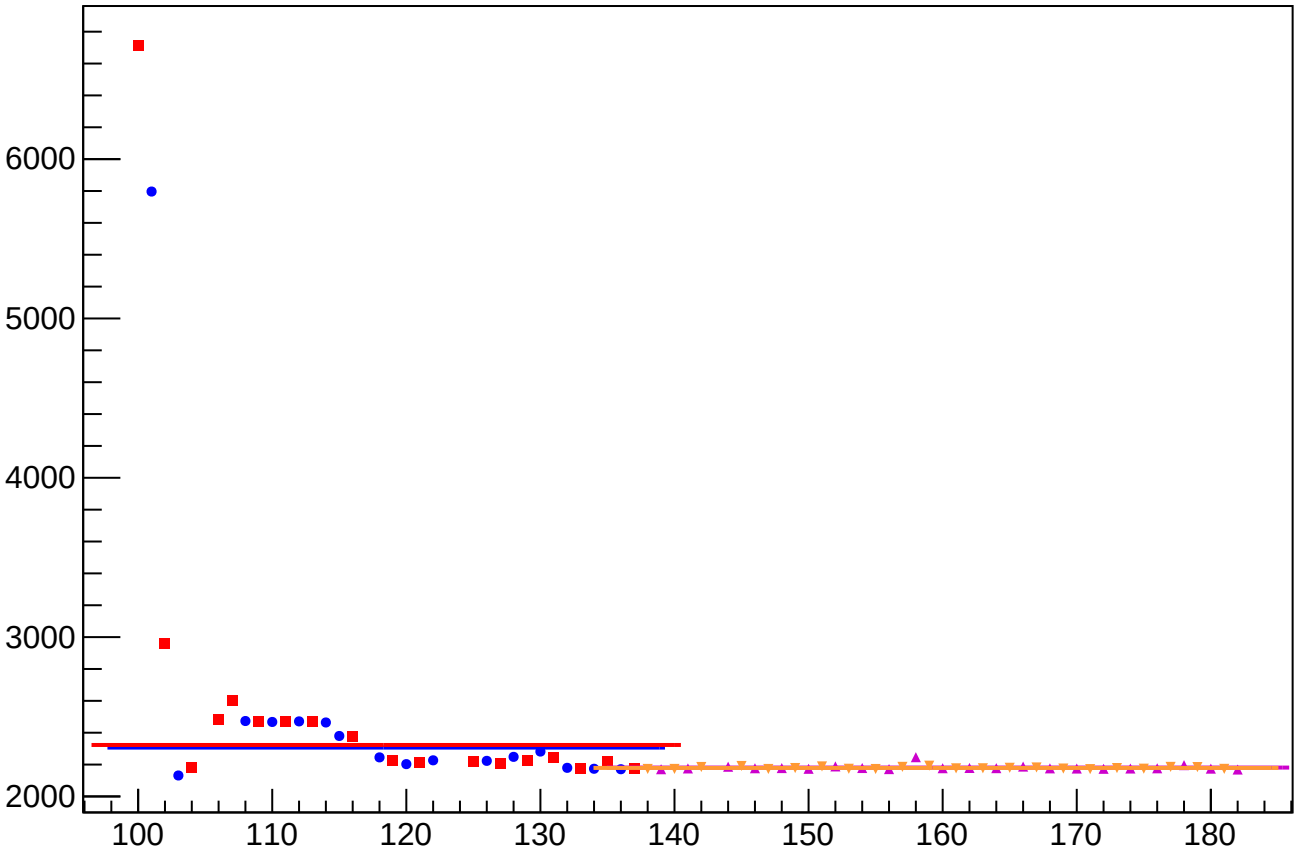
Left: -717.056+/-365.568 χ^2/NDF: 47.5/43

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -544.880+/-442.522 χ^2/NDF:43.0/37

Out: -898.212+/-446.559 χ^2/NDF:32.4/39

All: -719.942+/-314.328 χ^2/NDF: 75.7/77



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.983+/-0.368 χ^2/NDF:318.6/21

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2181.101+/-0.363 χ^2/NDF:1850.8/21

Left: 2180.057+/-0.258 χ^2/NDF: 2186.2/43

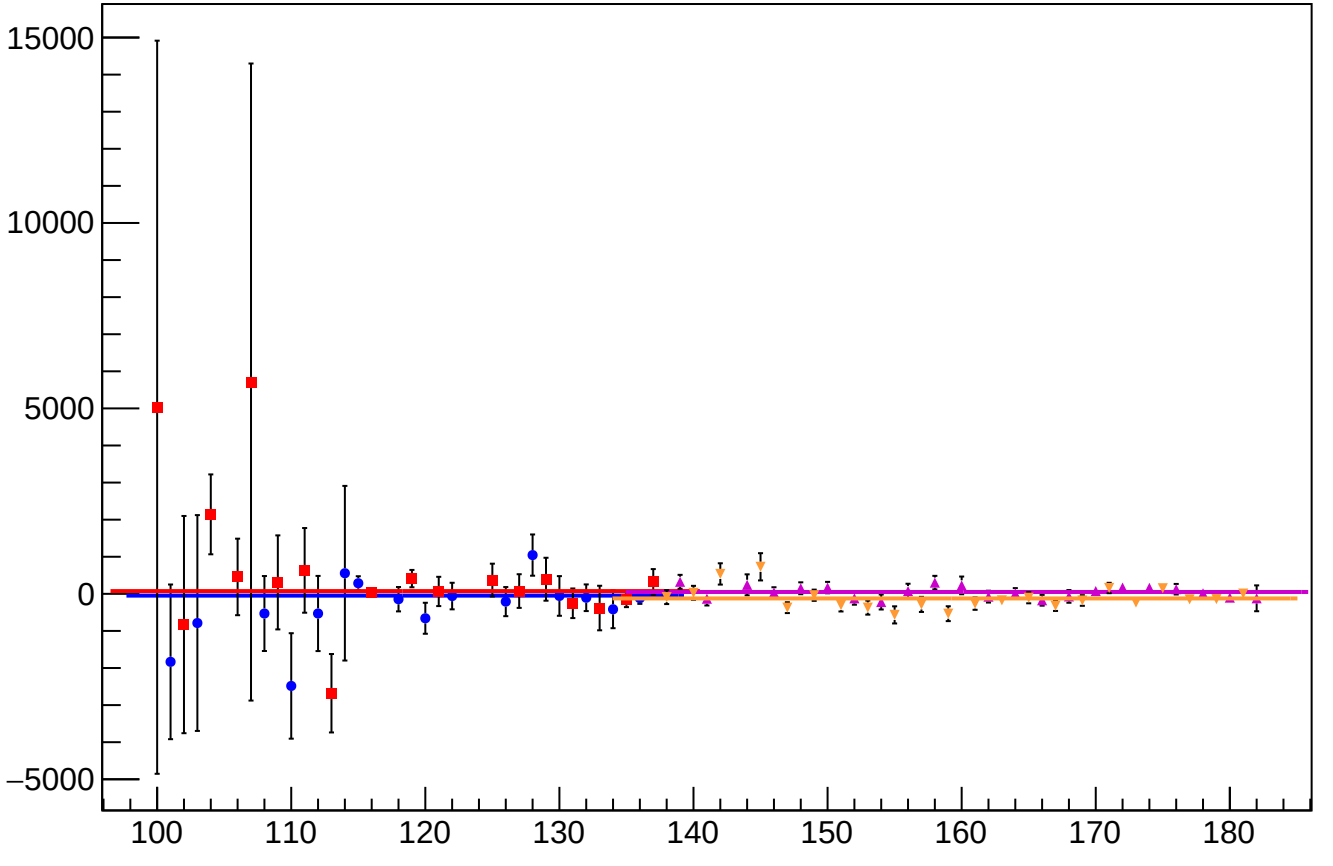
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2213.385+/-0.313 χ^2/NDF:546749.7/37

Out: 2217.047+/-0.316 χ^2/NDF:192558.2/39

All: 2215.199+/-0.222 χ^2/NDF: 739375.7/77

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: -124.188+/-31.472 χ^2/NDF:42.2/21

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 50.031+/-32.566 χ^2/NDF:18.2/21

Left: -40.055+/-22.631 χ^2/NDF: 75.2/43

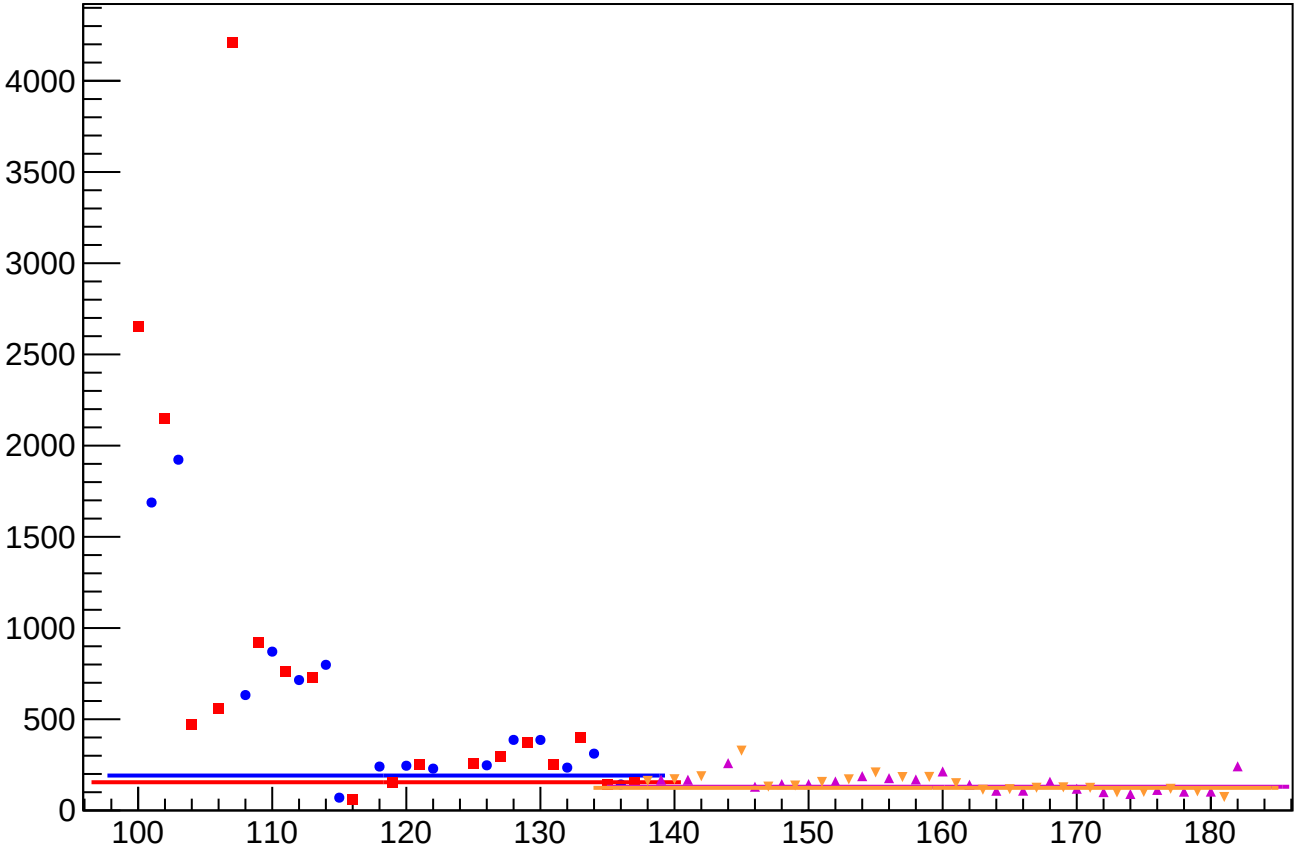
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 38.891+/-30.659 χ^2/NDF:33.6/37

Out: -98.923+/-29.400 χ^2/NDF:64.9/39

All: -32.904+/-21.220 χ^2/NDF: 109.0/77

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: 123.967+/-0.022 χ^2/NDF:2761034.0/21

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 129.966+/-0.023 χ^2/NDF:2361316.8/21

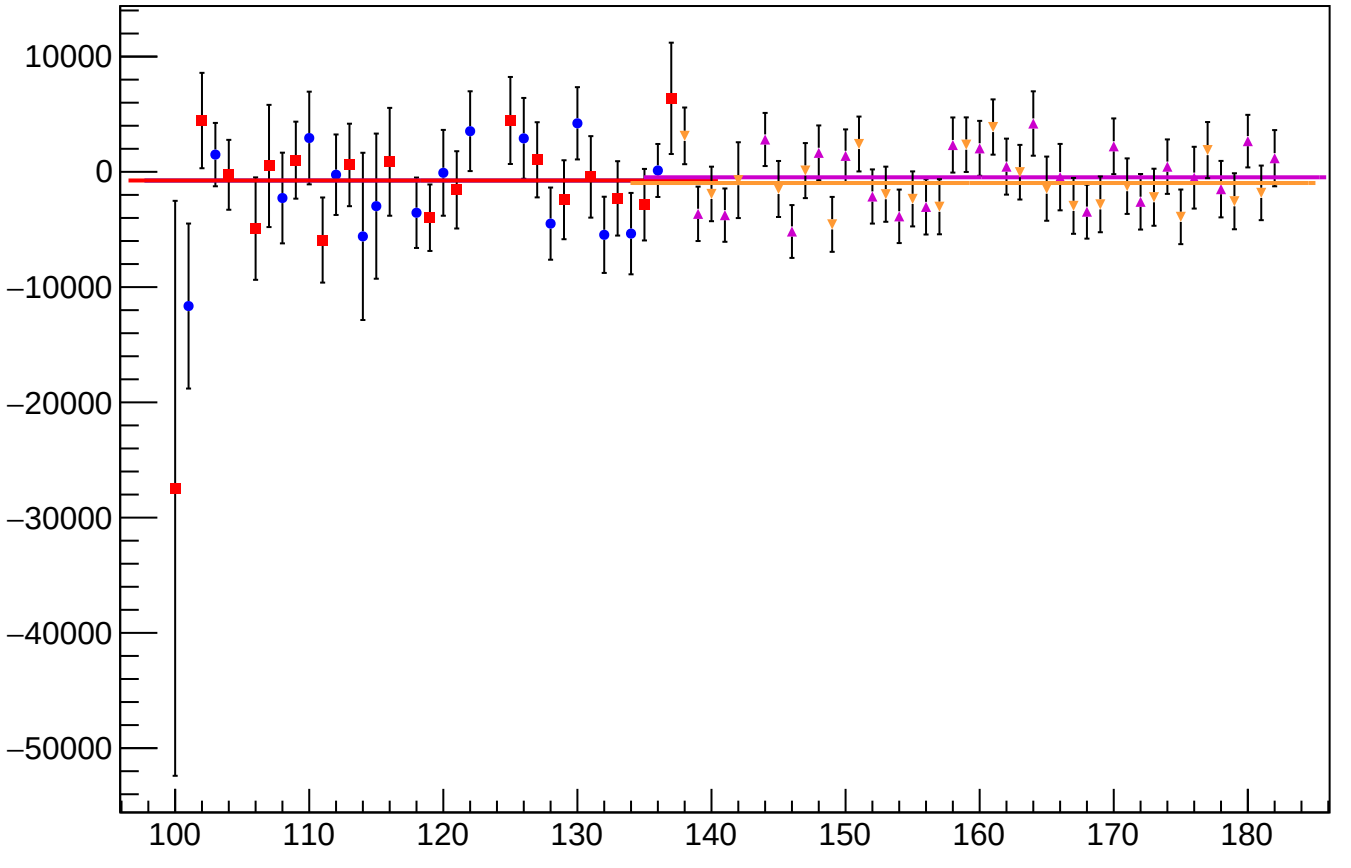
Left: 126.864+/-0.016 χ^2/NDF: 5157438.3/43

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 136.950+/-0.022 χ^2/NDF:8234945.4/37

Out: 127.878+/-0.021 χ^2/NDF:9157832.8/39

All: 132.224+/-0.015 χ^2/NDF: 17484004.4/77



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -968.578+/-520.623 χ^2/NDF:20.0/21

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -472.409+/-513.434 χ^2/NDF:27.0/21

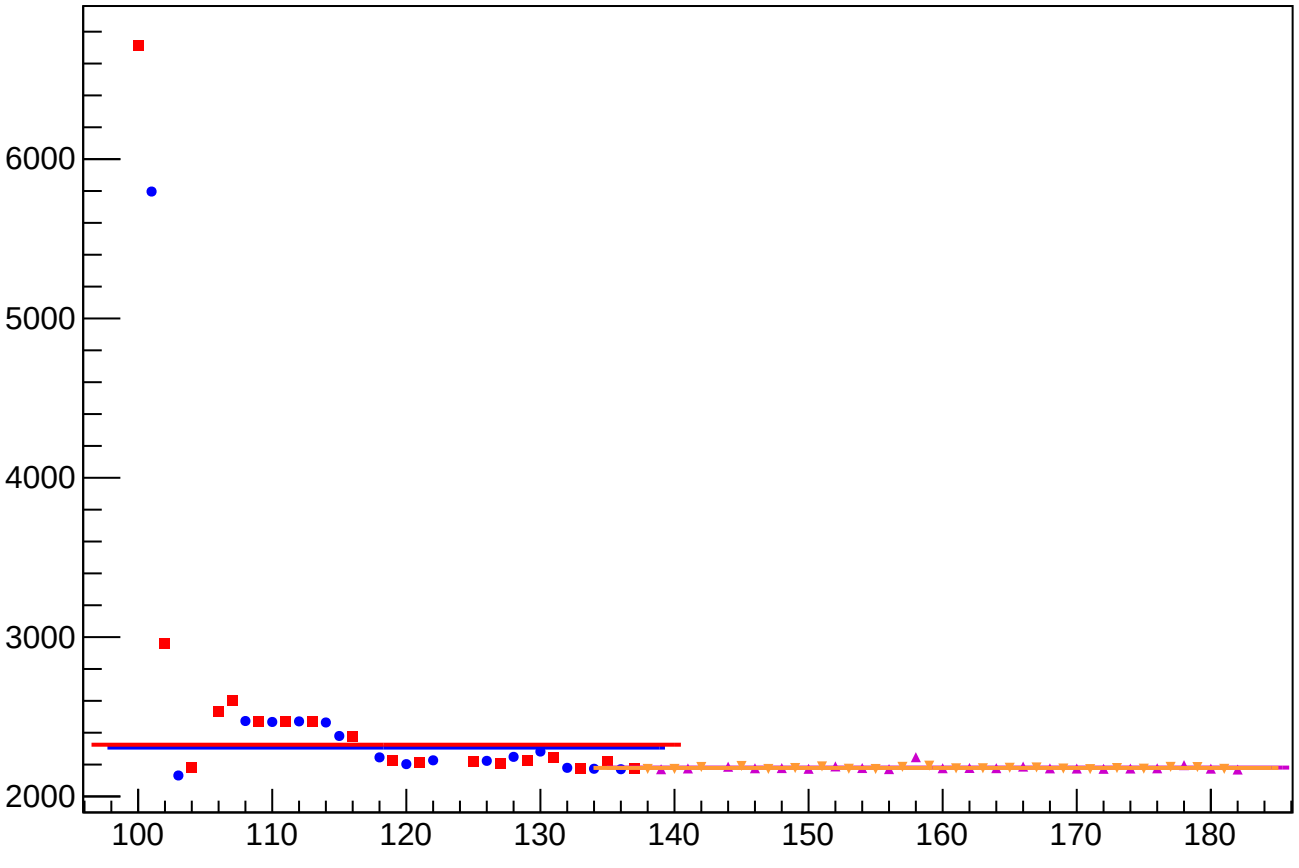
Left: -717.044+/-365.568 χ^2/NDF: 47.5/43

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -544.646+/-442.522 χ^2/NDF:43.0/37

Out: -910.701+/-446.656 χ^2/NDF:32.8/39

All: -725.972+/-314.362 χ^2/NDF: 76.1/77



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.983+/-0.368 χ^2/NDF:318.6/21

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.101+/-0.363 χ^2/NDF:1850.8/21

Left: 2180.057+/-0.258 χ^2/NDF: 2186.2/43

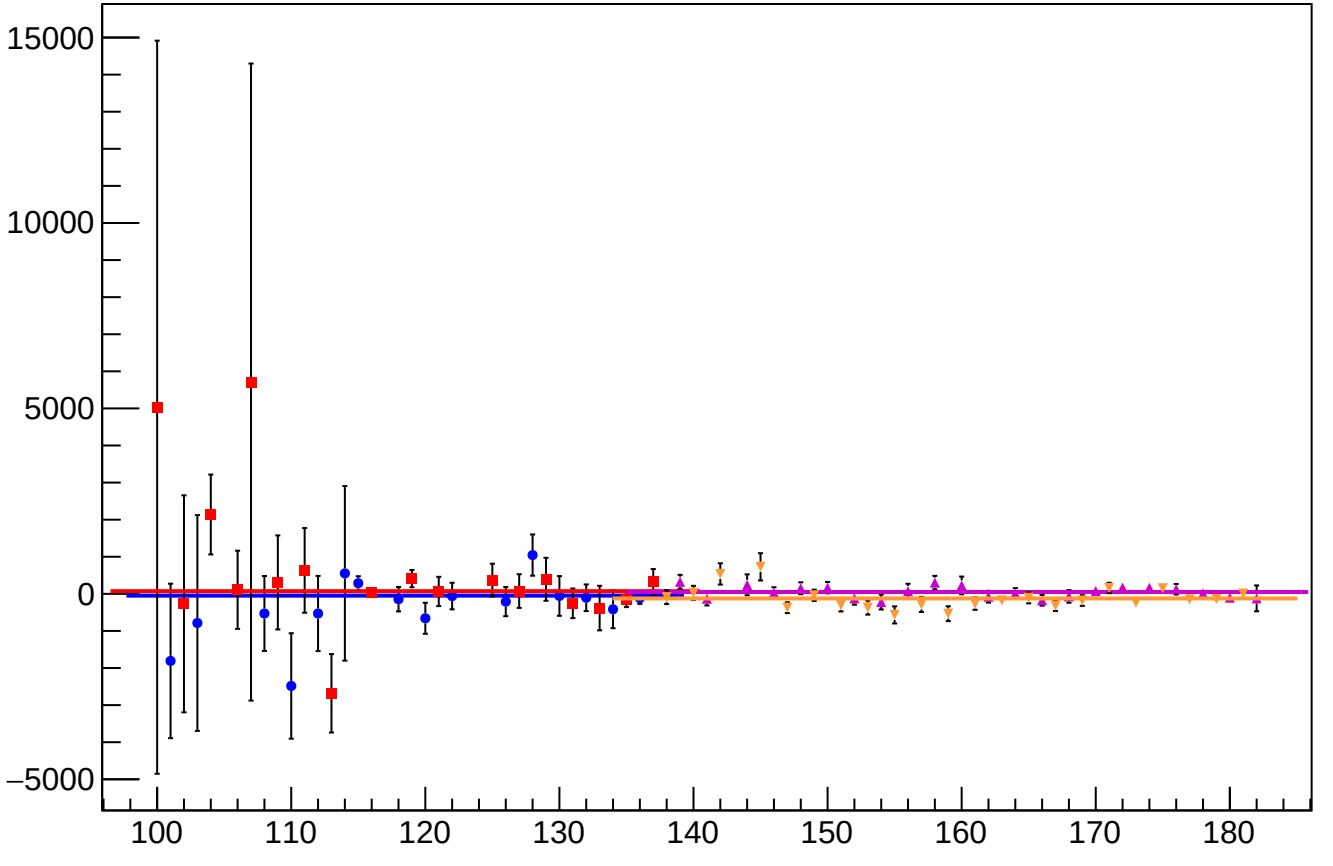
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2213.385+/-0.313 χ^2/NDF:546750.0/37

Out: 2217.443+/-0.316 χ^2/NDF:195245.2/39

All: 2215.395+/-0.222 χ^2/NDF: 742078.5/77

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: -124.110+/-31.472 χ^2/NDF:42.2/21

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 49.922+/-32.569 χ^2/NDF:18.2/21

Left: -40.077+/-22.632 χ^2/NDF: 75.2/43

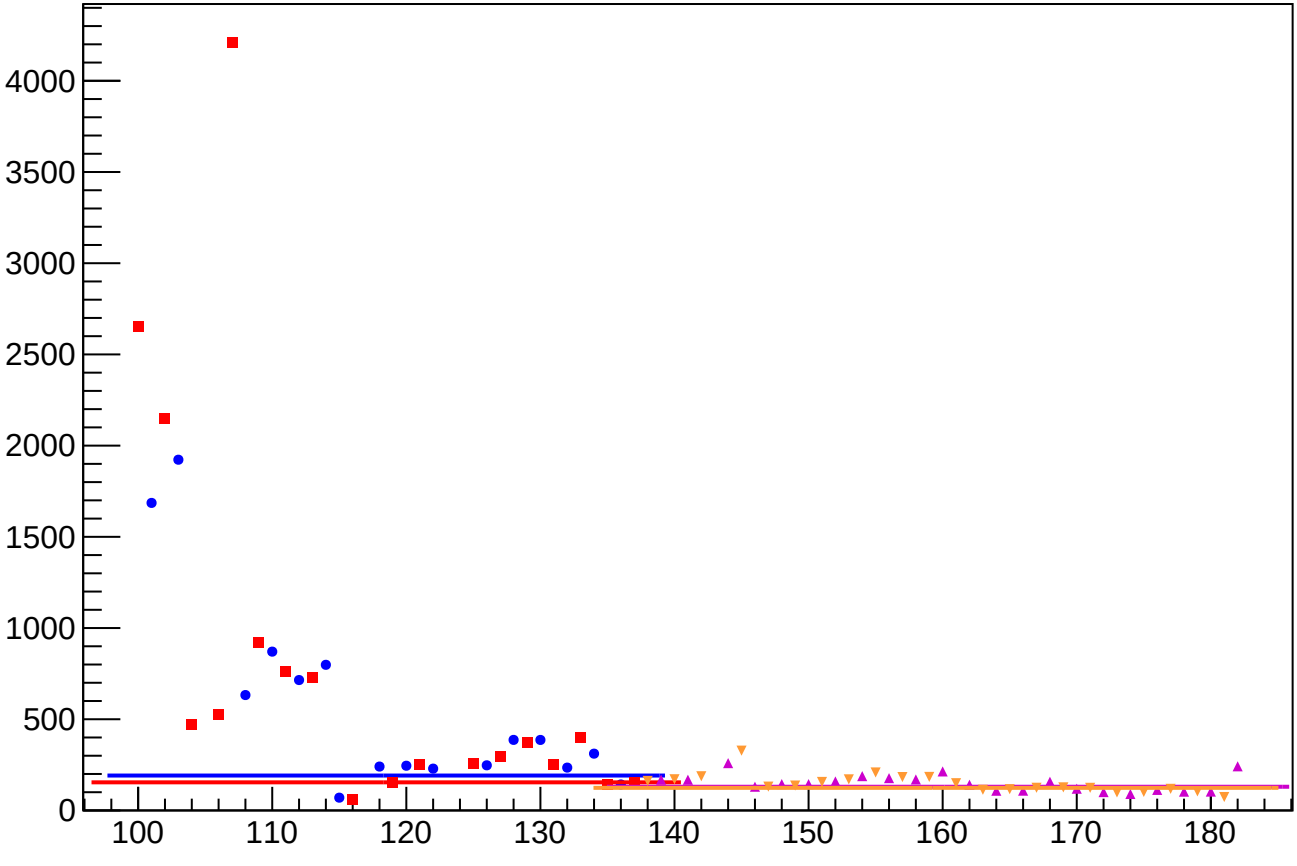
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 38.790+/-30.662 χ^2/NDF:33.6/37

Out: -99.078+/-29.397 χ^2/NDF:64.6/39

All: -33.046+/-21.220 χ^2/NDF: 108.7/77

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 123.963+/-0.022 χ^2/NDF:2761734.4/21

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 129.980+/-0.023 χ^2/NDF:2360980.4/21

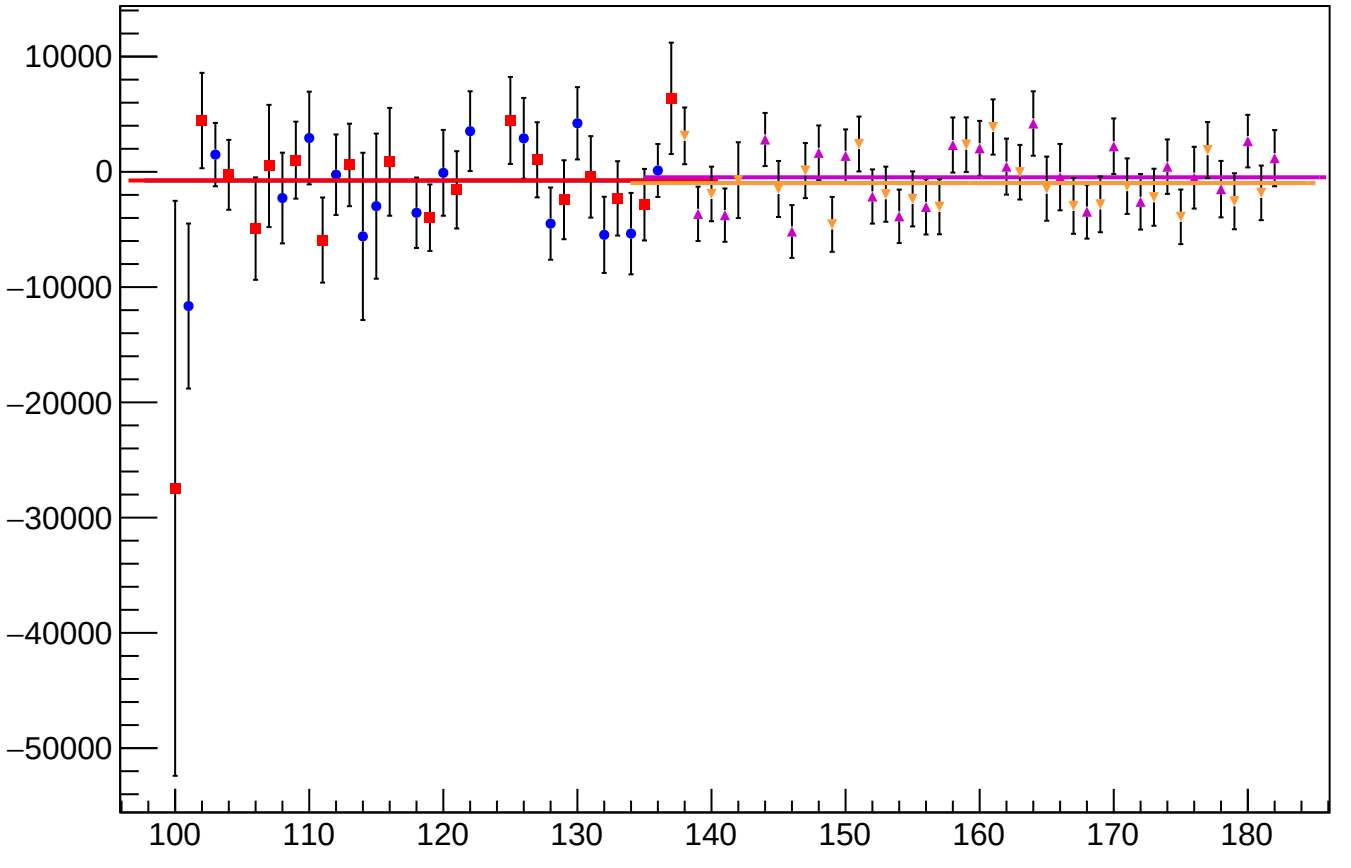
Left: 126.869+/-0.016 χ^2/NDF: 5158013.9/43

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 136.966+/-0.022 χ^2/NDF:8233613.7/37

Out: 127.809+/-0.021 χ^2/NDF:9104580.4/39

All: 132.195+/-0.015 χ^2/NDF: 17431140.9/77



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -968.578+/-520.623 χ^2/NDF:20.0/21

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -472.409+/-513.434 χ^2/NDF:27.0/21

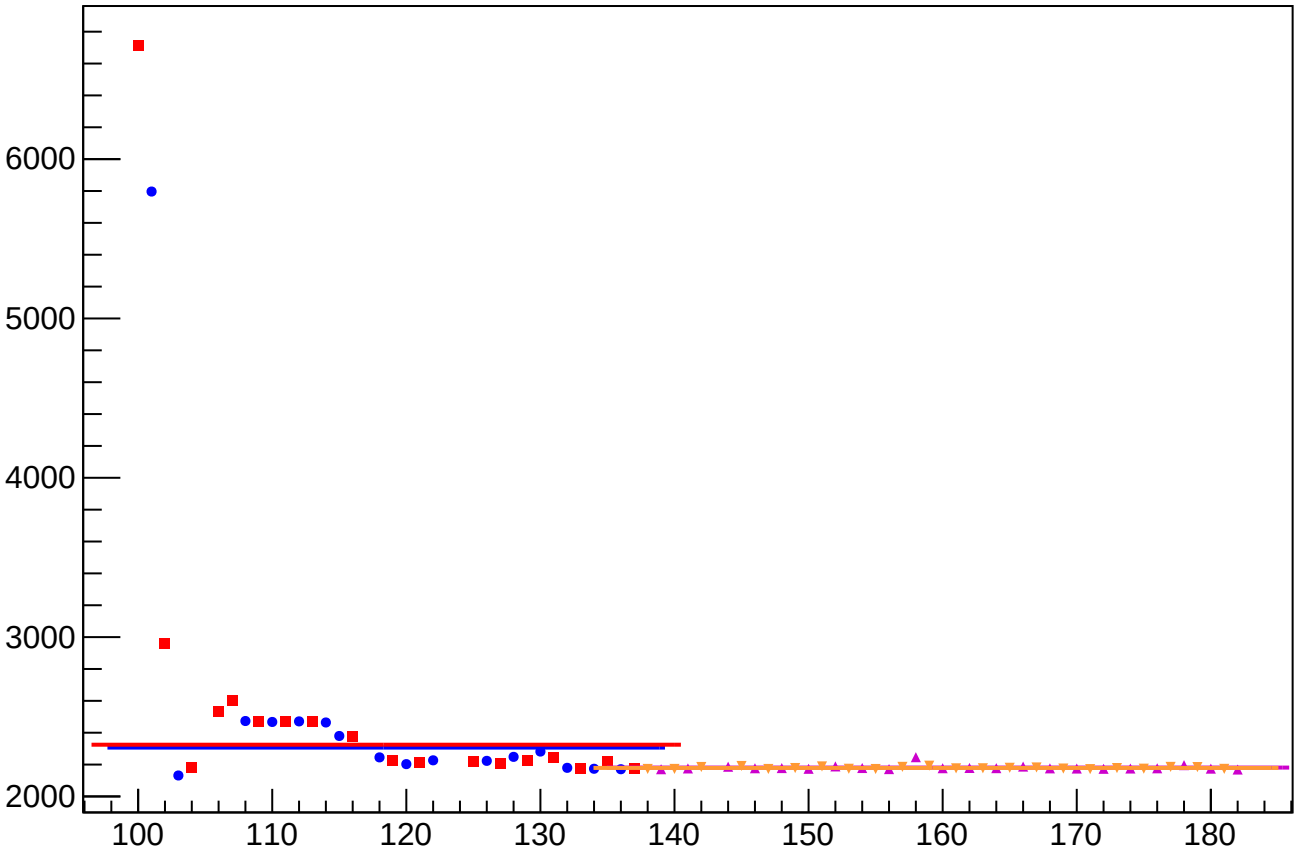
Left: -717.044+/-365.568 χ^2/NDF: 47.5/43

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -544.646+/-442.522 χ^2/NDF:43.0/37

Out: -910.701+/-446.656 χ^2/NDF:32.8/39

All: -725.972+/-314.362 χ^2/NDF: 76.1/77



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.983+/-0.368 χ^2/NDF:318.6/21

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.101+/-0.363 χ^2/NDF:1850.8/21

Left: 2180.057+/-0.258 χ^2/NDF: 2186.2/43

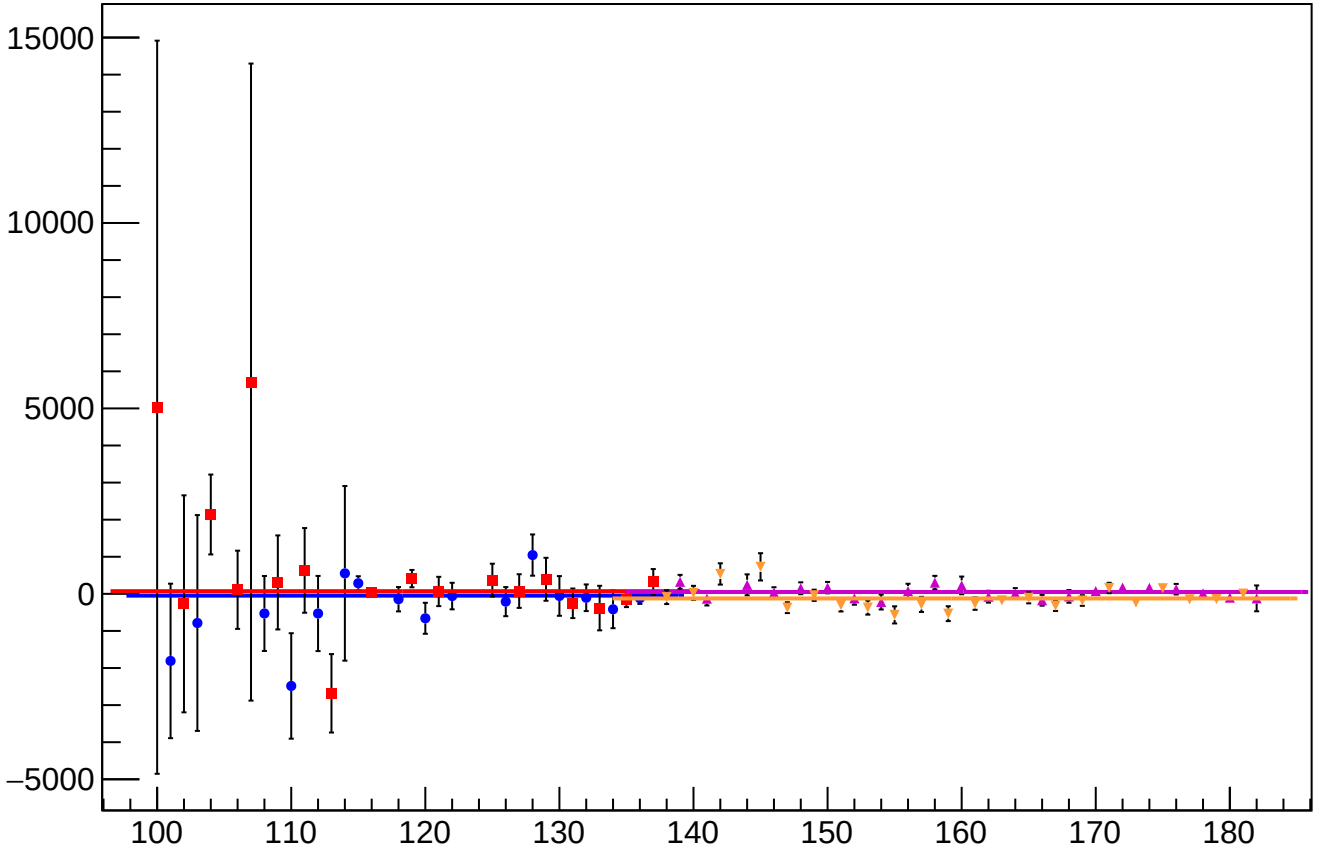
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2213.385+/-0.313 χ^2/NDF:546750.0/37

Out: 2217.443+/-0.316 χ^2/NDF:195245.2/39

All: 2215.395+/-0.222 χ^2/NDF: 742078.5/77

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: -124.110+/-31.472 χ^2/NDF:42.2/21

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 49.922+/-32.569 χ^2/NDF:18.2/21

Left: -40.077+/-22.632 χ^2/NDF: 75.2/43

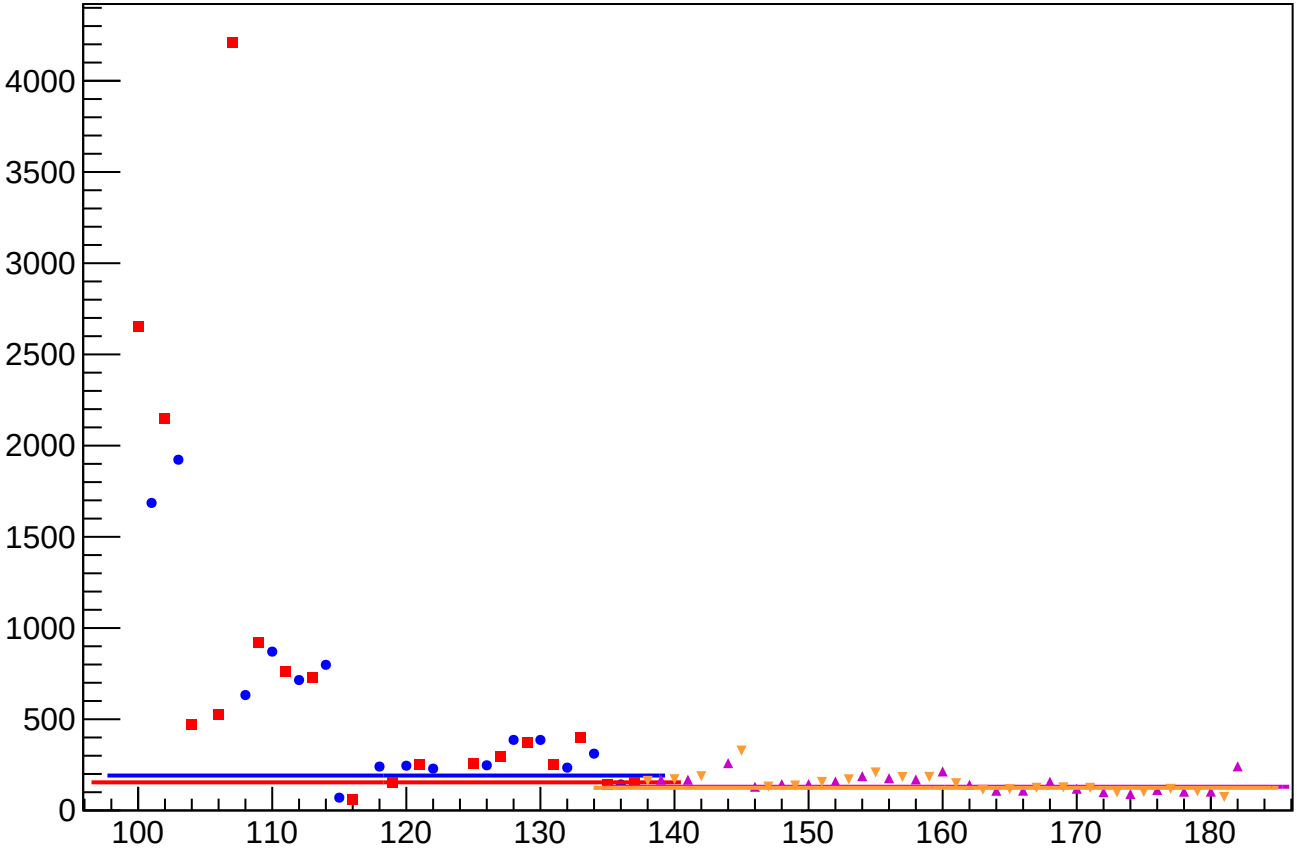
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 38.790+/-30.662 χ^2/NDF:33.6/37

Out: -99.078+/-29.397 χ^2/NDF:64.6/39

All: -33.046+/-21.220 χ^2/NDF: 108.7/77

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: 123.963+/-0.022 χ^2/NDF:2761734.4/21

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 129.980+/-0.023 χ^2/NDF:2360980.4/21

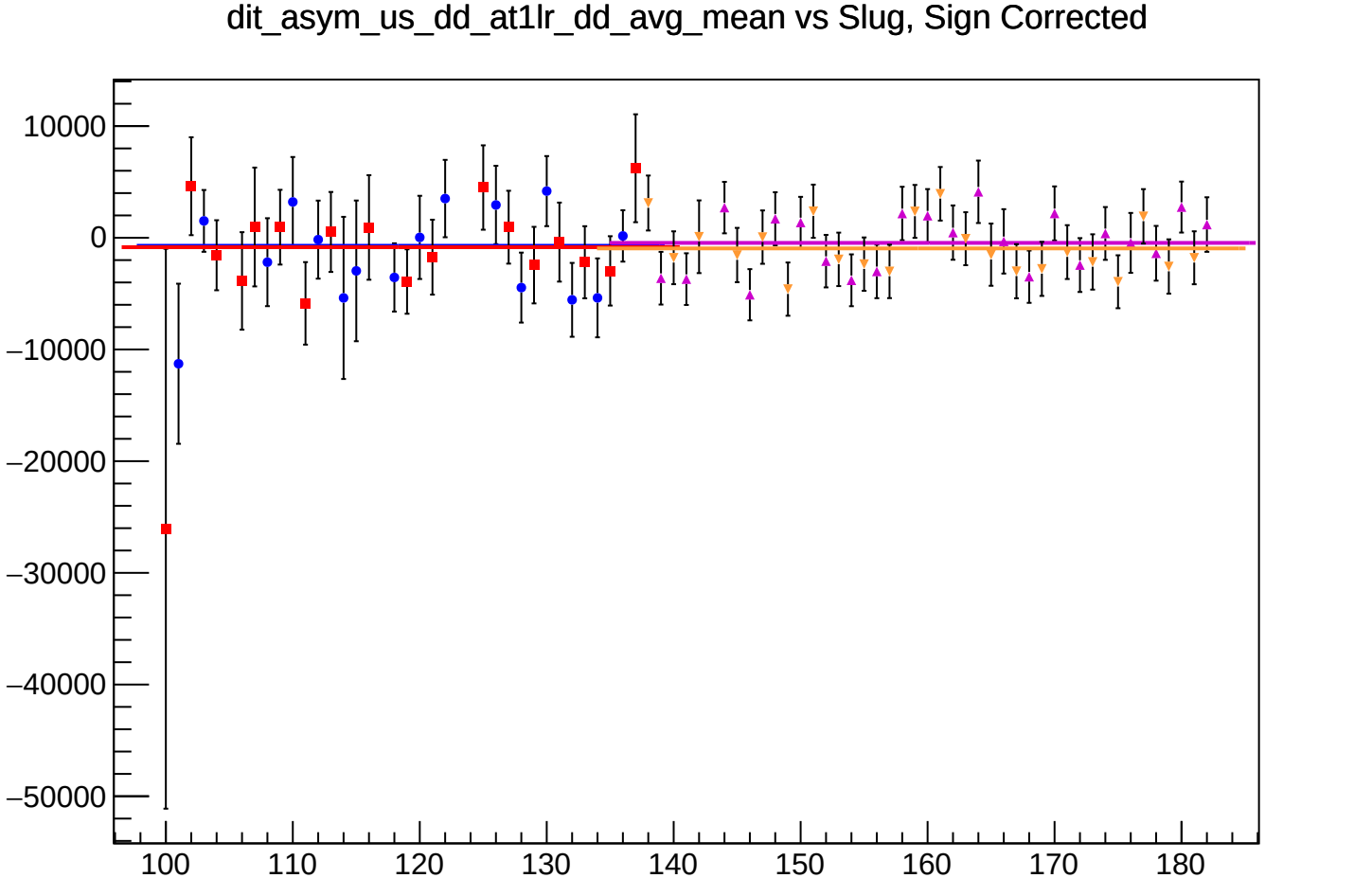
Left: 126.869+/-0.016 χ^2/NDF: 5158013.9/43

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 136.966+/-0.022 χ^2/NDF:8233613.7/37

Out: 127.809+/-0.021 χ^2/NDF:9104580.4/39

All: 132.195+/-0.015 χ^2/NDF: 17431140.9/77



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -952.022+/-520.685 χ^2/NDF:20.1/21

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -458.734+/-513.657 χ^2/NDF:26.2/21

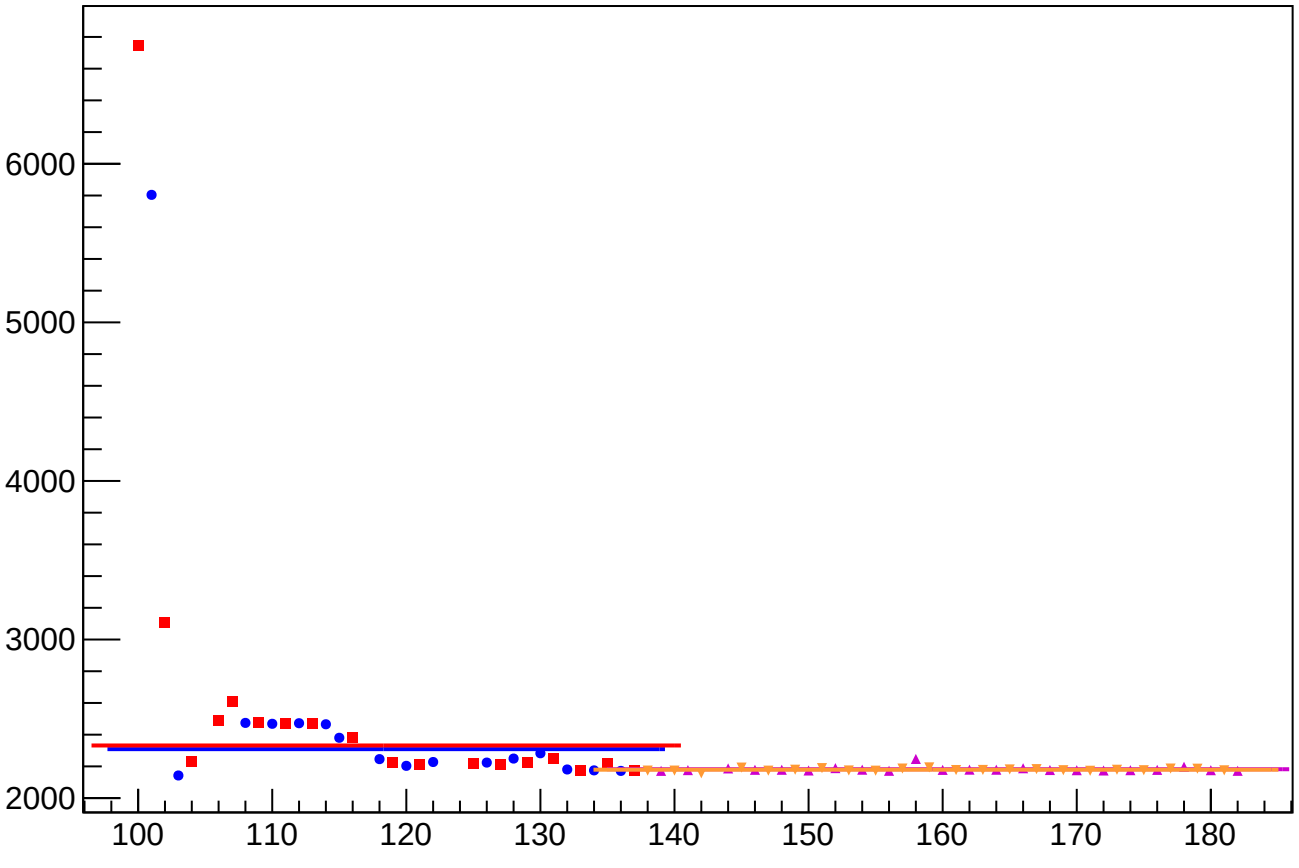
Left: -702.027+/-365.670 χ^2/NDF: 46.8/43

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -525.125+/-442.781 χ^2/NDF:42.1/37

Out: -923.223+/-447.265 χ^2/NDF:32.3/39

All: -722.168+/-314.667 χ^2/NDF: 74.8/77



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.097+/-0.368 χ^2/NDF:410.2/21

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2182.050+/-0.363 χ^2/NDF:1825.2/21

Left: 2180.594+/-0.259 χ^2/NDF: 2268.0/43

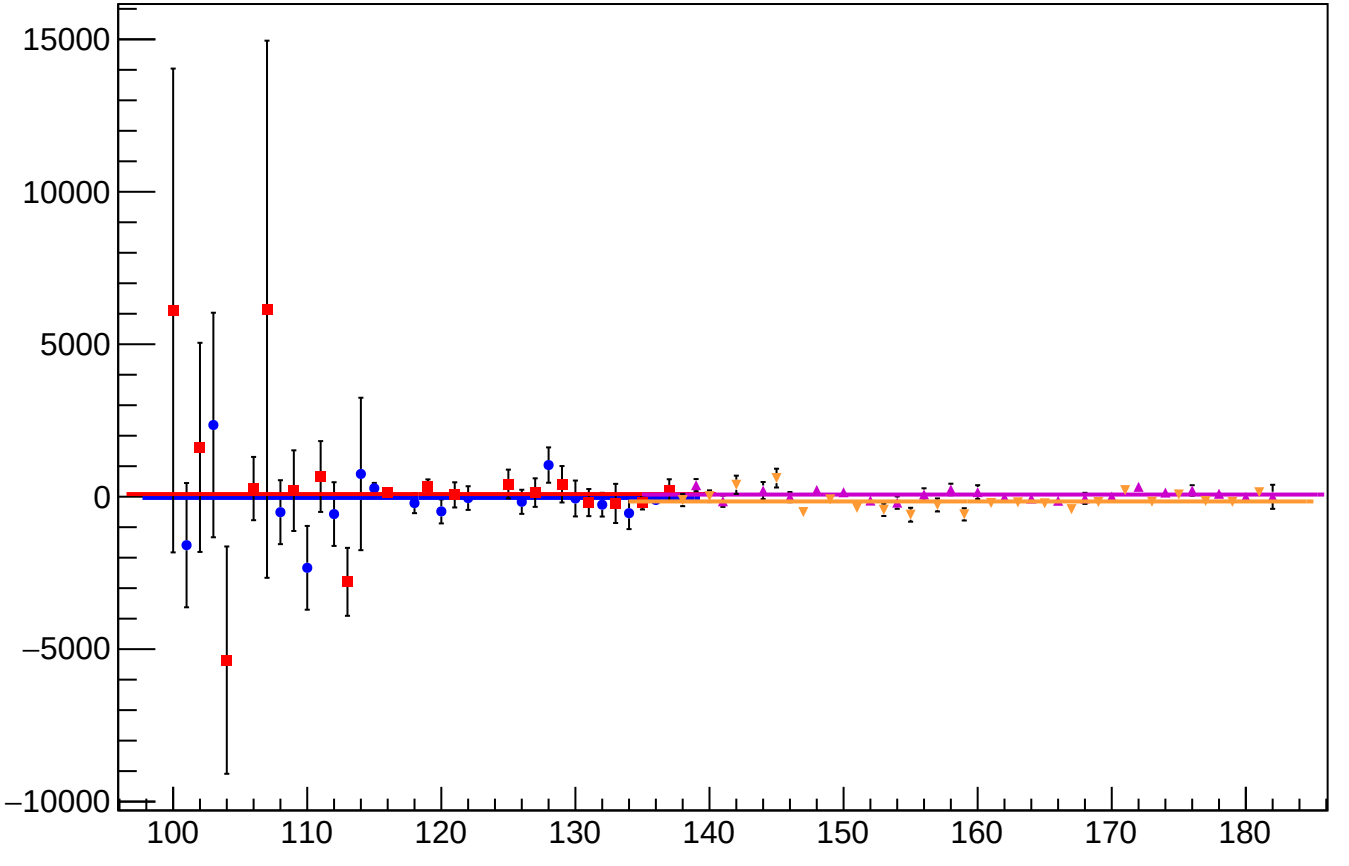
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2214.600+/-0.313 χ^2/NDF:546826.4/37

Out: 2219.138+/-0.316 χ^2/NDF:212852.5/39

All: 2216.846+/-0.223 χ^2/NDF: 759782.9/77

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: -155.711+/-34.131 χ^2/NDF:45.7/21

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 70.074+/-34.226 χ^2/NDF:18.9/21

Left: -43.134+/-24.168 χ^2/NDF: 86.4/43

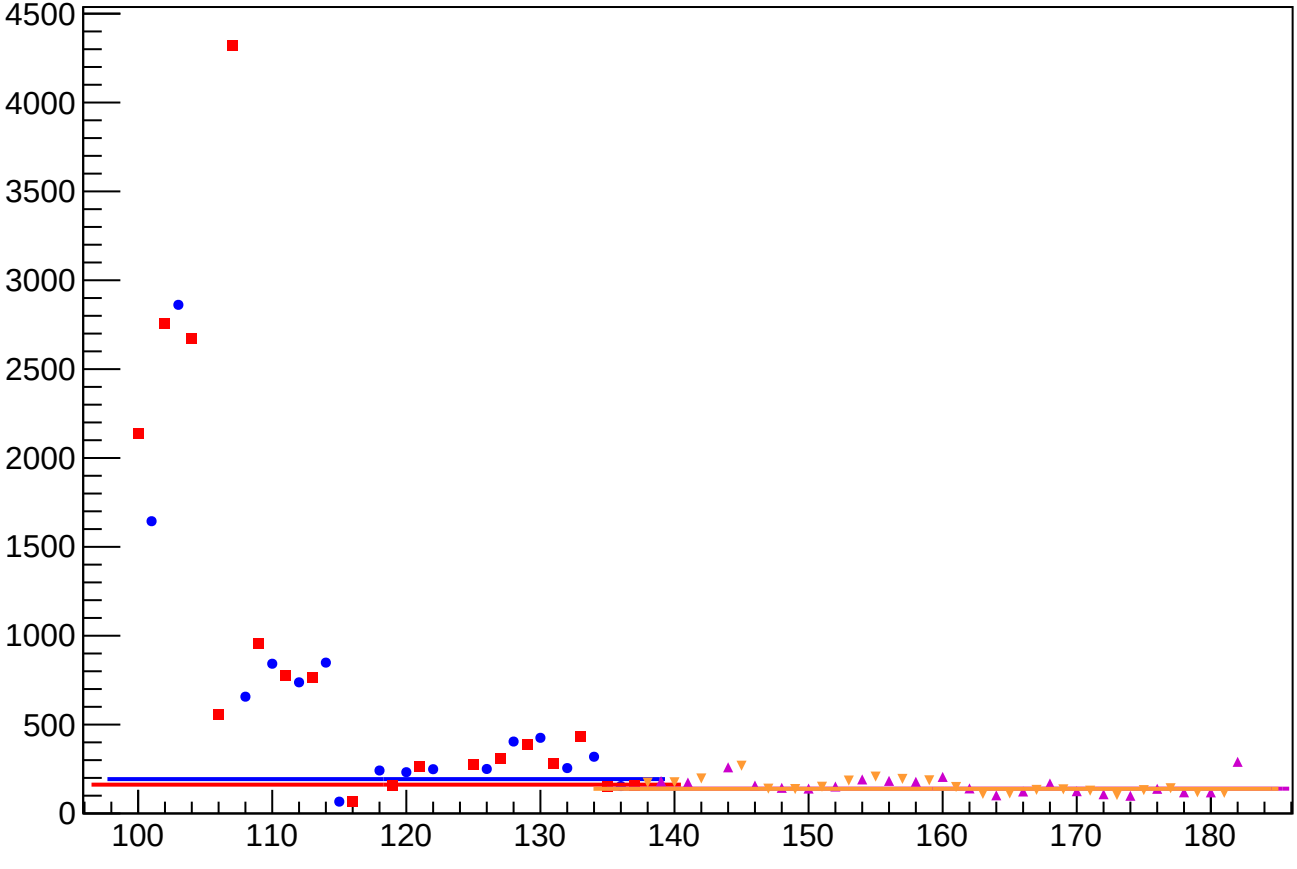
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 56.781+/-32.096 χ^2/NDF:34.2/37

Out: -122.827+/-31.728 χ^2/NDF:67.5/39

All: -34.057+/-22.564 χ^2/NDF: 117.5/77

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: 138.654+/-0.024 χ^2/NDF:1604526.9/21

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 139.490+/-0.024 χ^2/NDF:2095443.6/21

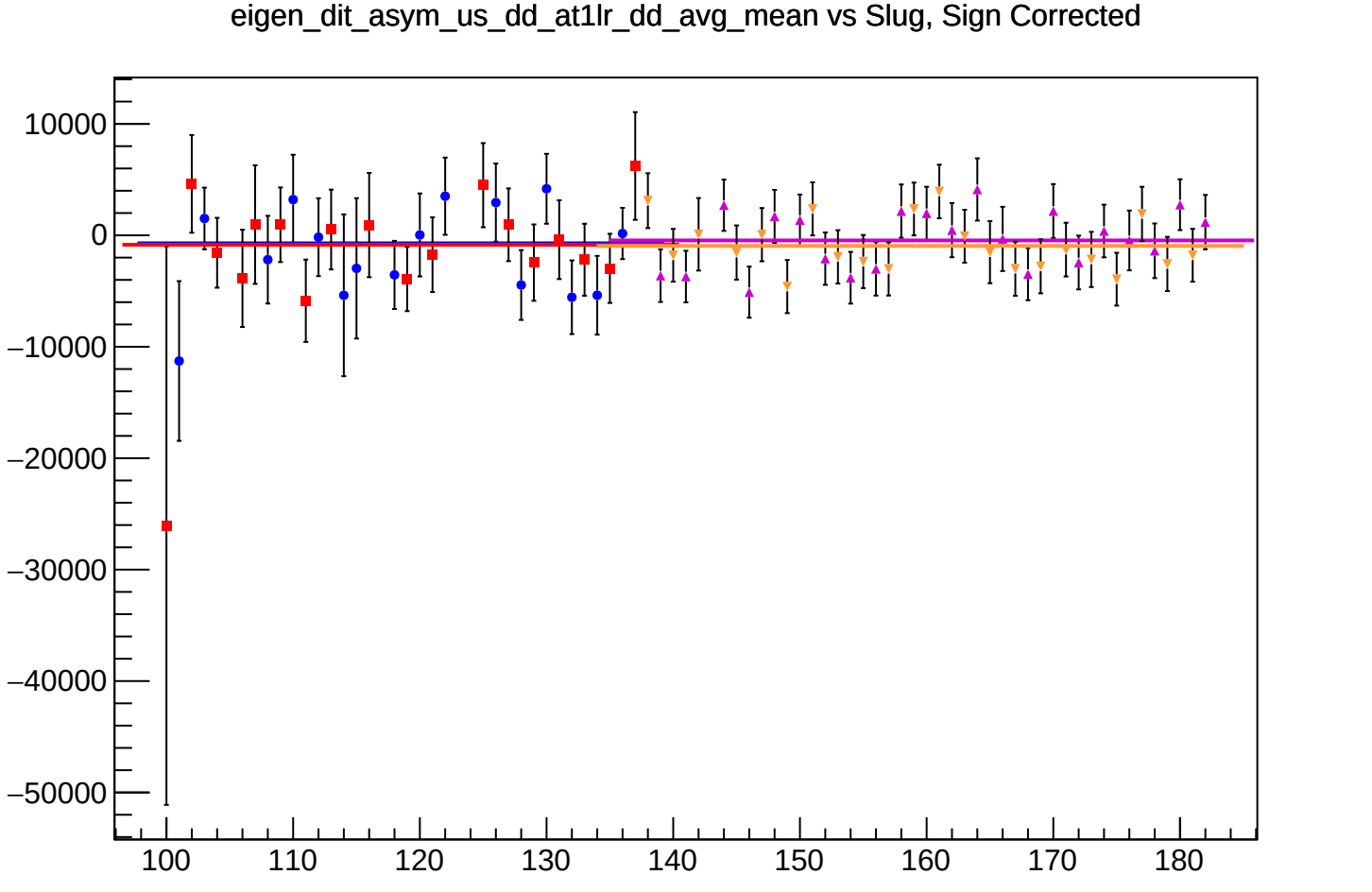
Left: 139.071+/-0.017 χ^2/NDF: 3700567.9/43

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 145.976+/-0.023 χ^2/NDF:8308648.9/37

Out: 141.841+/-0.022 χ^2/NDF:8803363.5/39

All: 143.884+/-0.016 χ^2/NDF: 17128798.9/77



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -952.023+/-520.685 χ^2/NDF:20.1/21

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -458.734+/-513.657 χ^2/NDF:26.2/21

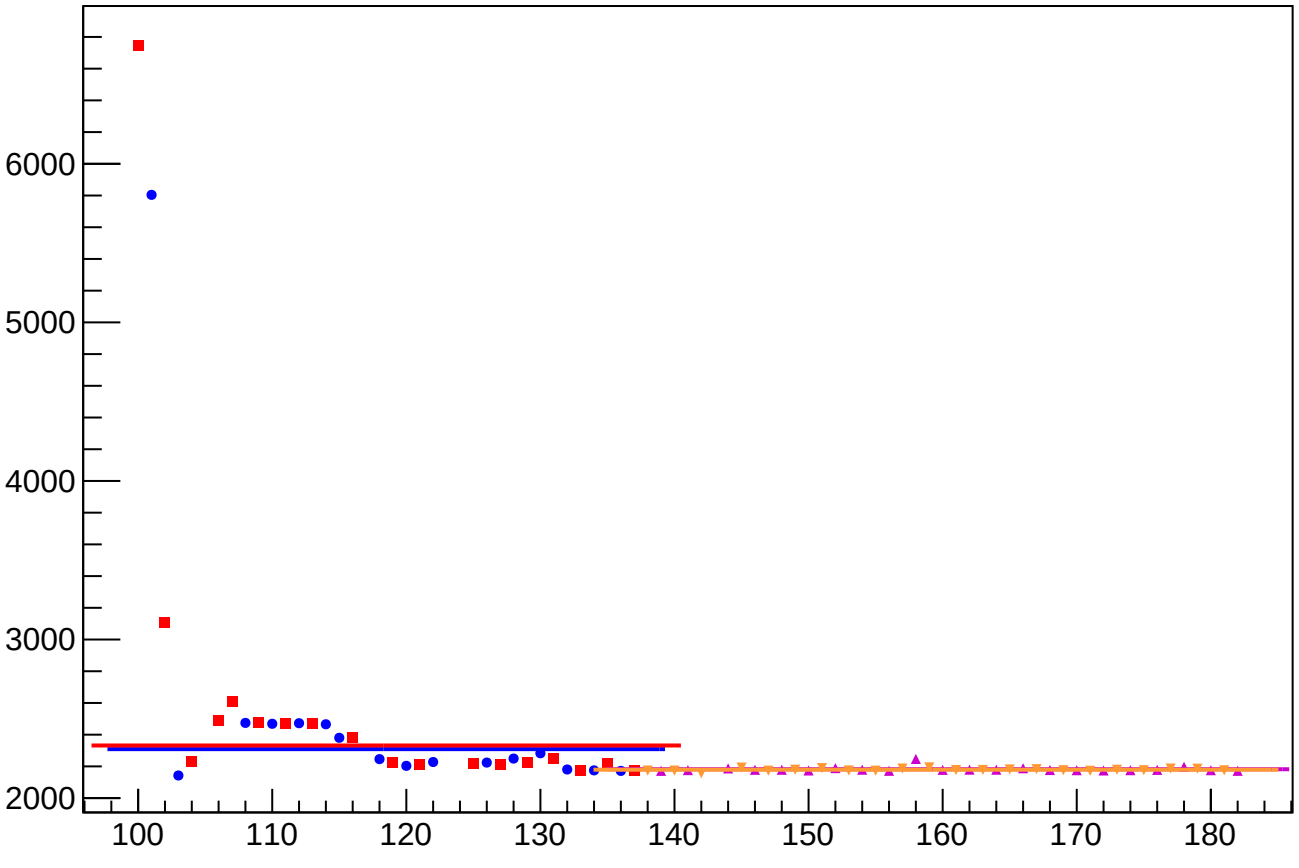
Left: -702.027+/-365.670 χ^2/NDF: 46.8/43

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -525.125+/-442.781 χ^2/NDF:42.1/37

Out: -923.224+/-447.265 χ^2/NDF:32.3/39

All: -722.169+/-314.667 χ^2/NDF: 74.8/77



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.097+/-0.368 χ^2/NDF:410.2/21

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2182.050+/-0.363 χ^2/NDF:1825.2/21

Left: 2180.594+/-0.259 χ^2/NDF: 2268.0/43

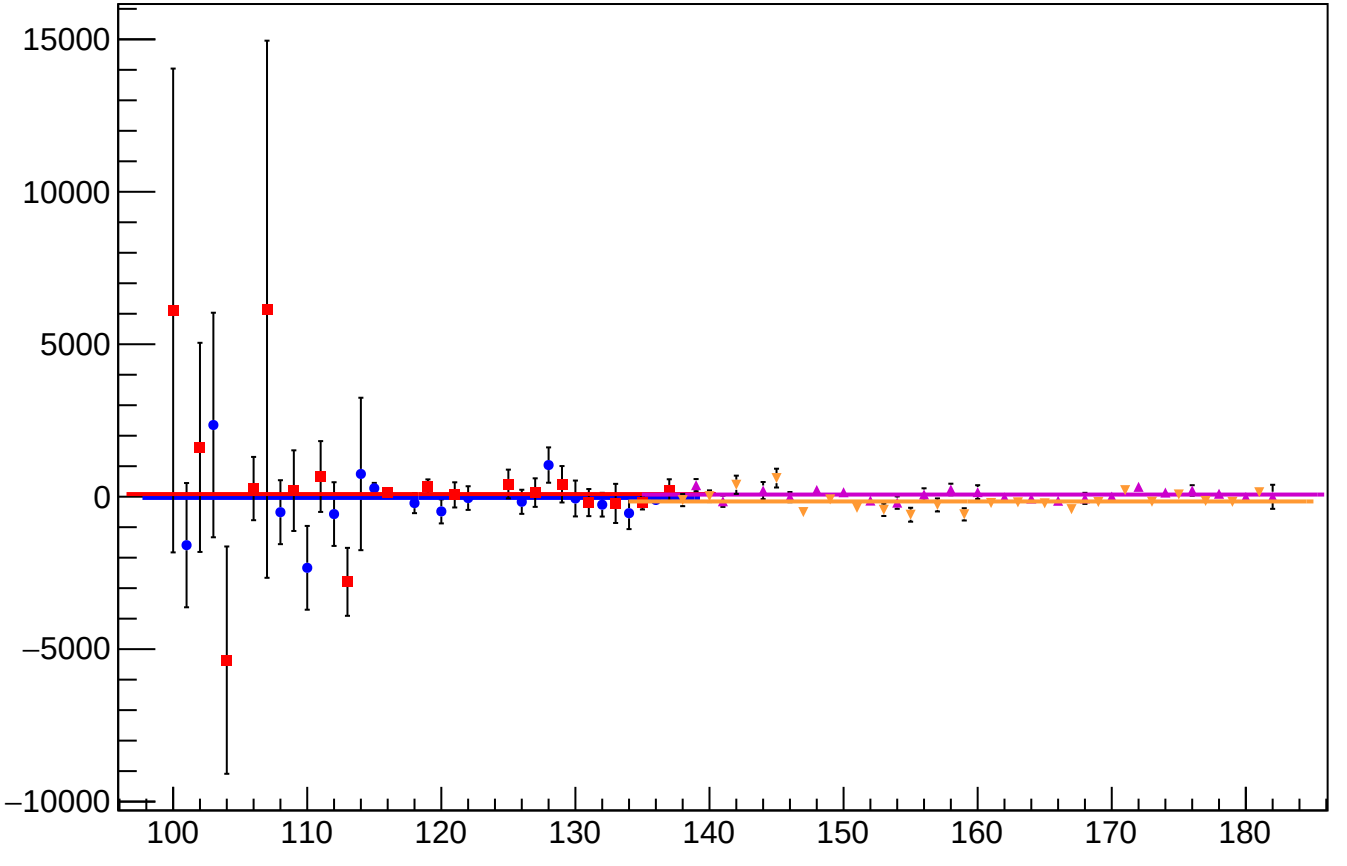
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2214.600+/-0.313 χ^2/NDF:546826.4/37

Out: 2219.138+/-0.316 χ^2/NDF:212852.4/39

All: 2216.846+/-0.223 χ^2/NDF: 759782.7/77

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: -155.712+/-34.131 χ^2/NDF:45.7/21

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 70.073+/-34.226 χ^2/NDF:18.9/21

Left: -43.135+/-24.168 χ^2/NDF: 86.4/43

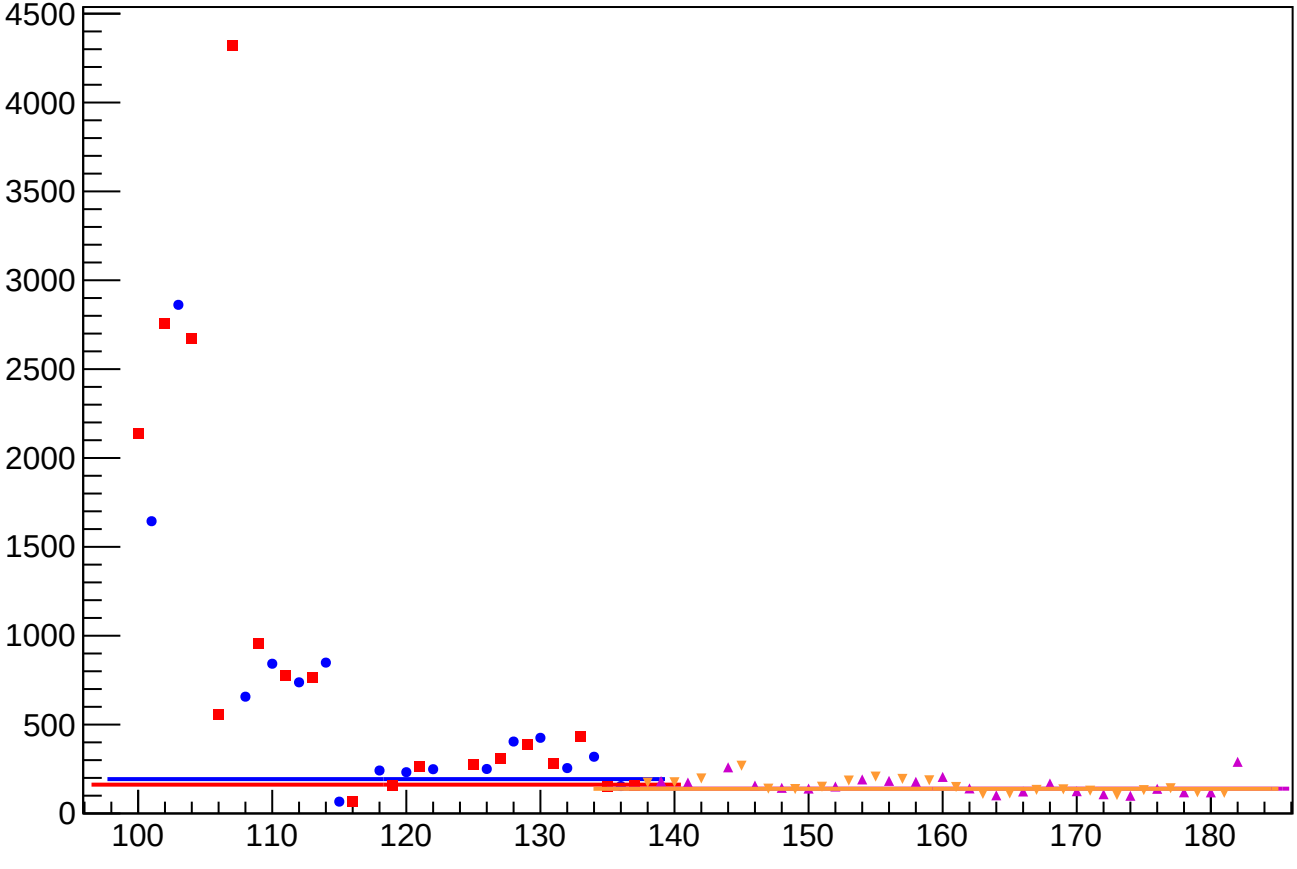
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 56.780+/-32.096 χ^2/NDF:34.2/37

Out: -122.827+/-31.728 χ^2/NDF:67.5/39

All: -34.057+/-22.564 χ^2/NDF: 117.5/77

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: 138.655+/-0.024 χ^2/NDF:1604522.5/21

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 139.490+/-0.024 χ^2/NDF:2095497.1/21

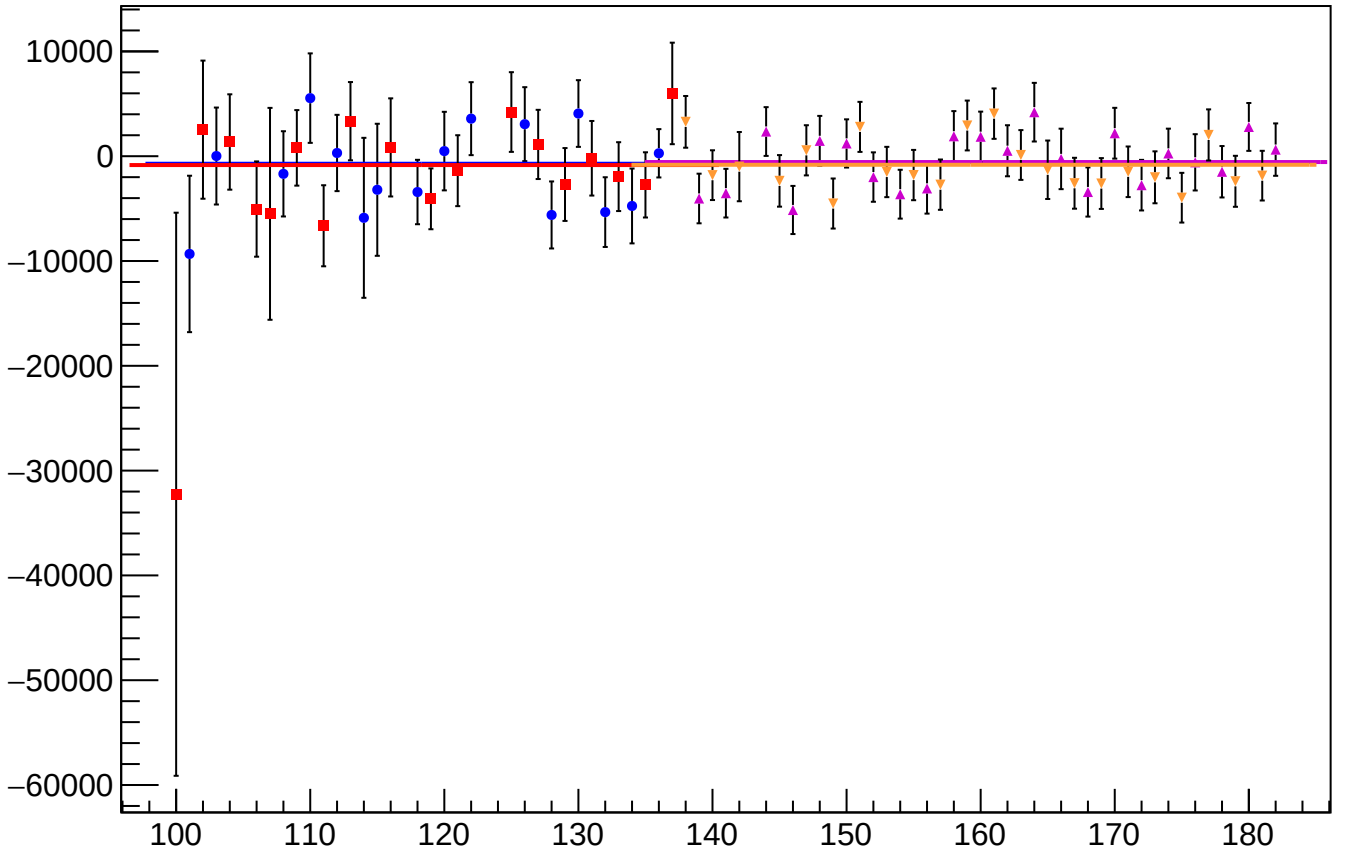
Left: 139.071+/-0.017 χ^2/NDF: 3700616.8/43

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 145.976+/-0.023 χ^2/NDF:8308694.9/37

Out: 141.841+/-0.022 χ^2/NDF:8803391.4/39

All: 143.885+/-0.016 χ^2/NDF: 17128872.3/77



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -817.403+/-522.168 χ^2/NDF:21.1/21

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -557.605+/-515.437 χ^2/NDF:25.3/21

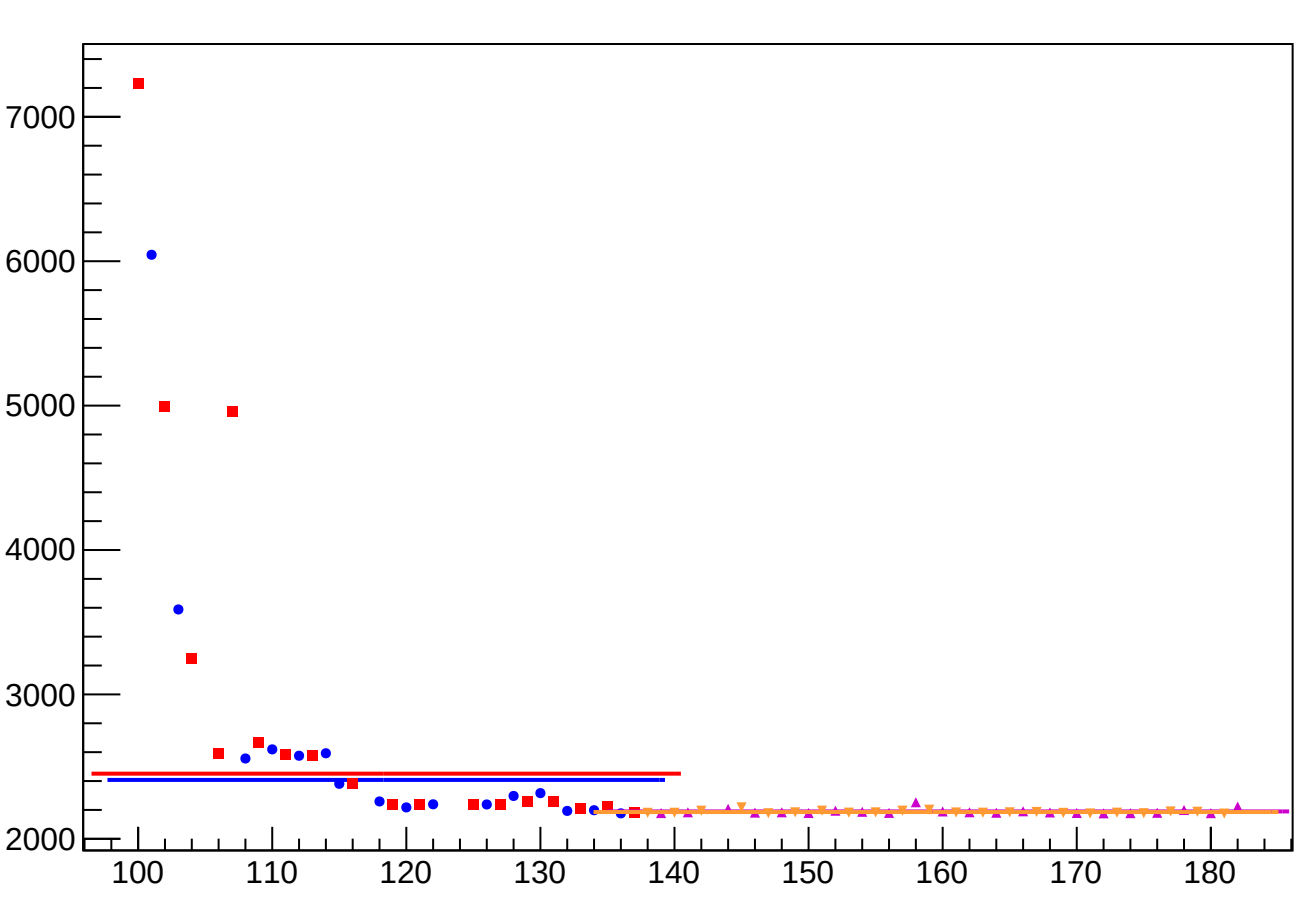
Left: -685.819+/-366.826 χ^2/NDF: 46.5/43

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -596.539+/-449.230 χ^2/NDF:41.1/37

Out: -823.986+/-455.156 χ^2/NDF:34.1/39

All: -708.772+/-319.728 χ^2/NDF: 75.3/77



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2185.438+/-0.369 χ^2/NDF:702.4/21

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2189.591+/-0.364 χ^2/NDF:2385.9/21

Left: 2187.541+/-0.259 χ^2/NDF: 3152.4/43

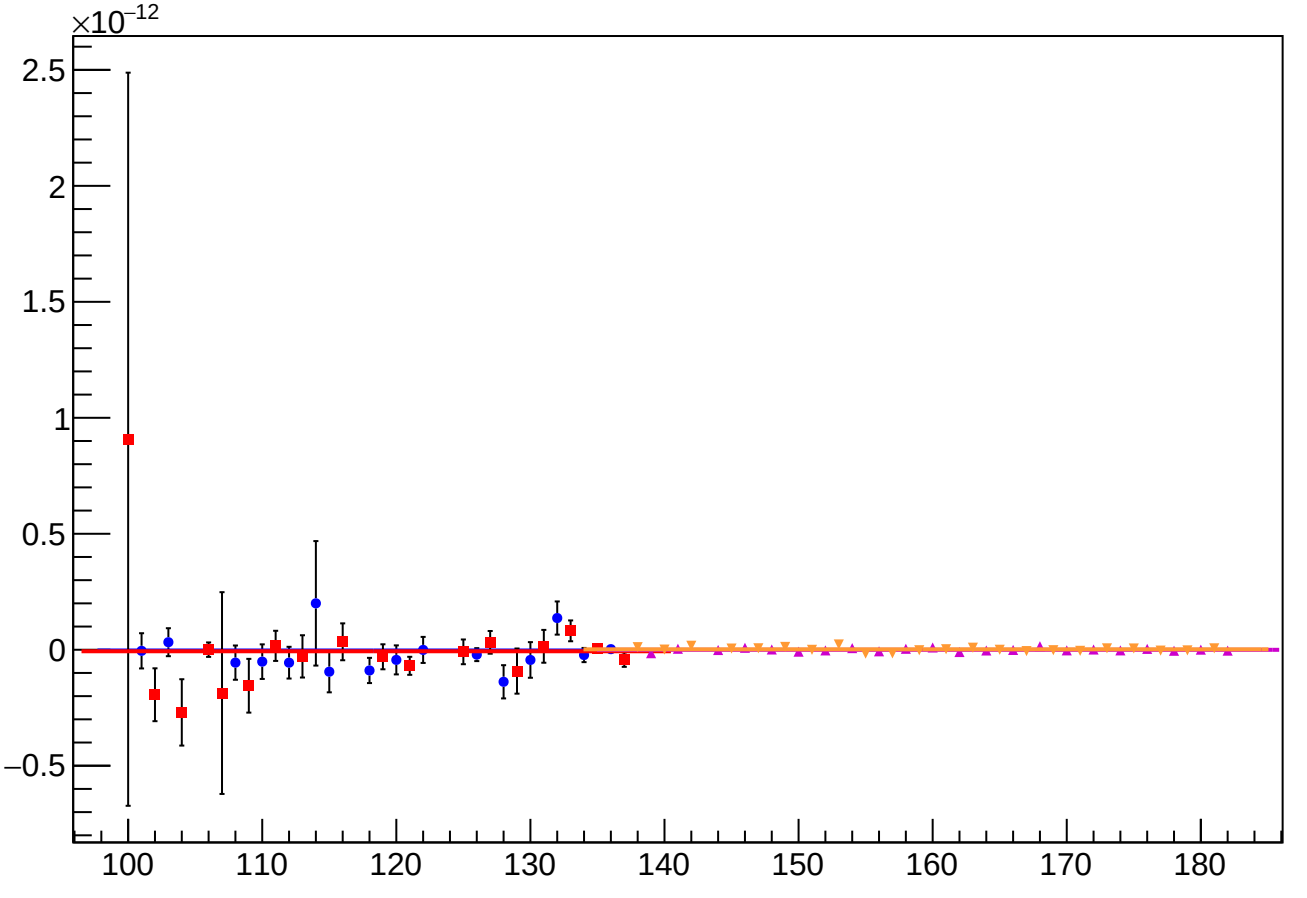
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2242.047+/-0.318 χ^2/NDF:765442.7/37

Out: 2249.271+/-0.322 χ^2/NDF:758733.5/39

All: 2245.612+/-0.226 χ^2/NDF: 1524431.4/77

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:18.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:13.2/21

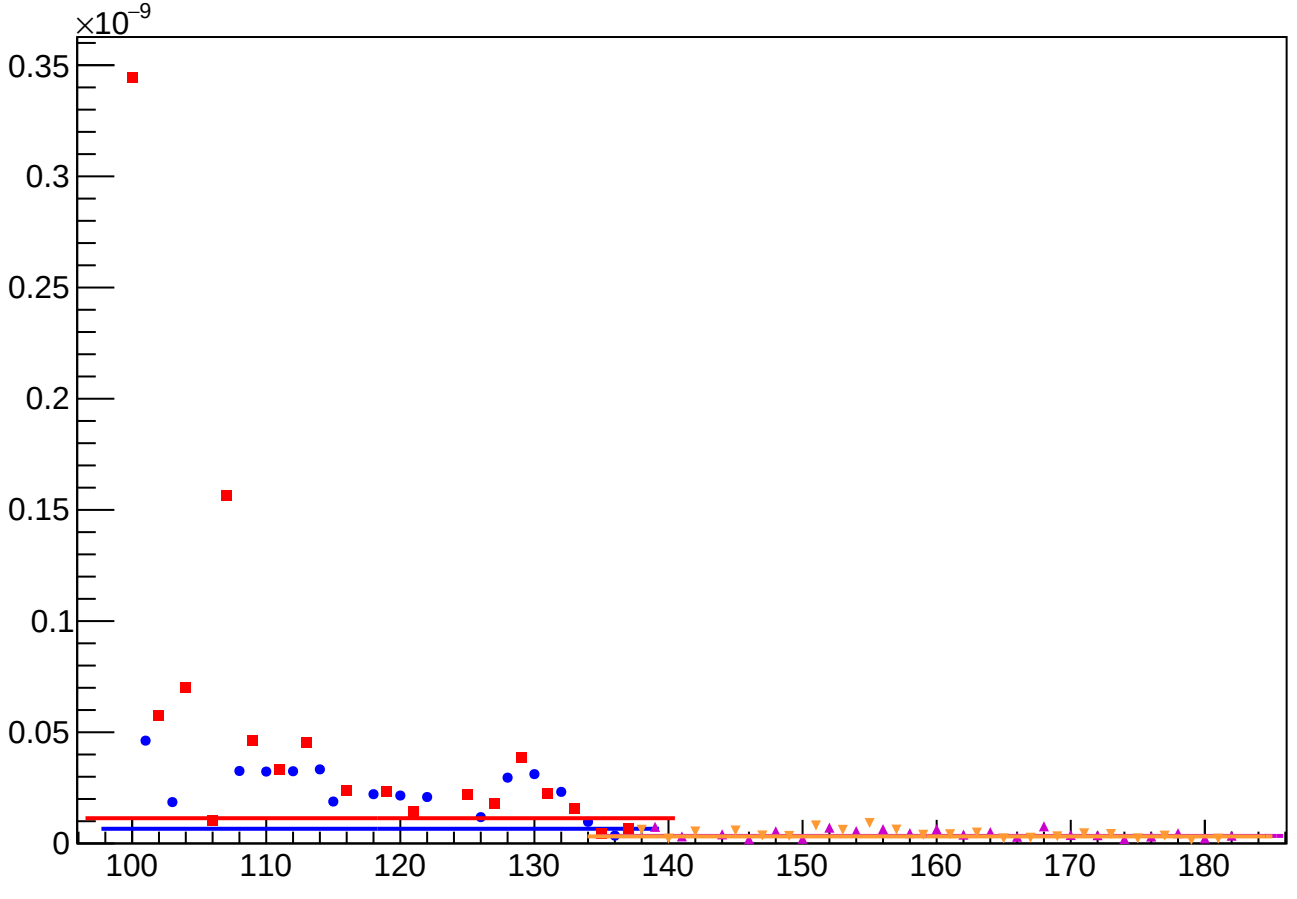
Left: 0.000+/-0.000 χ^2/NDF: 32.8/43

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:29.0/37

Out: 0.000+/-0.000 χ^2/NDF:38.2/39

All: 0.000+/-0.000 χ^2/NDF: 68.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2016055.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1691832.6/21

Left: 0.000+/-0.000 χ^2/NDF: 3727833.7/43

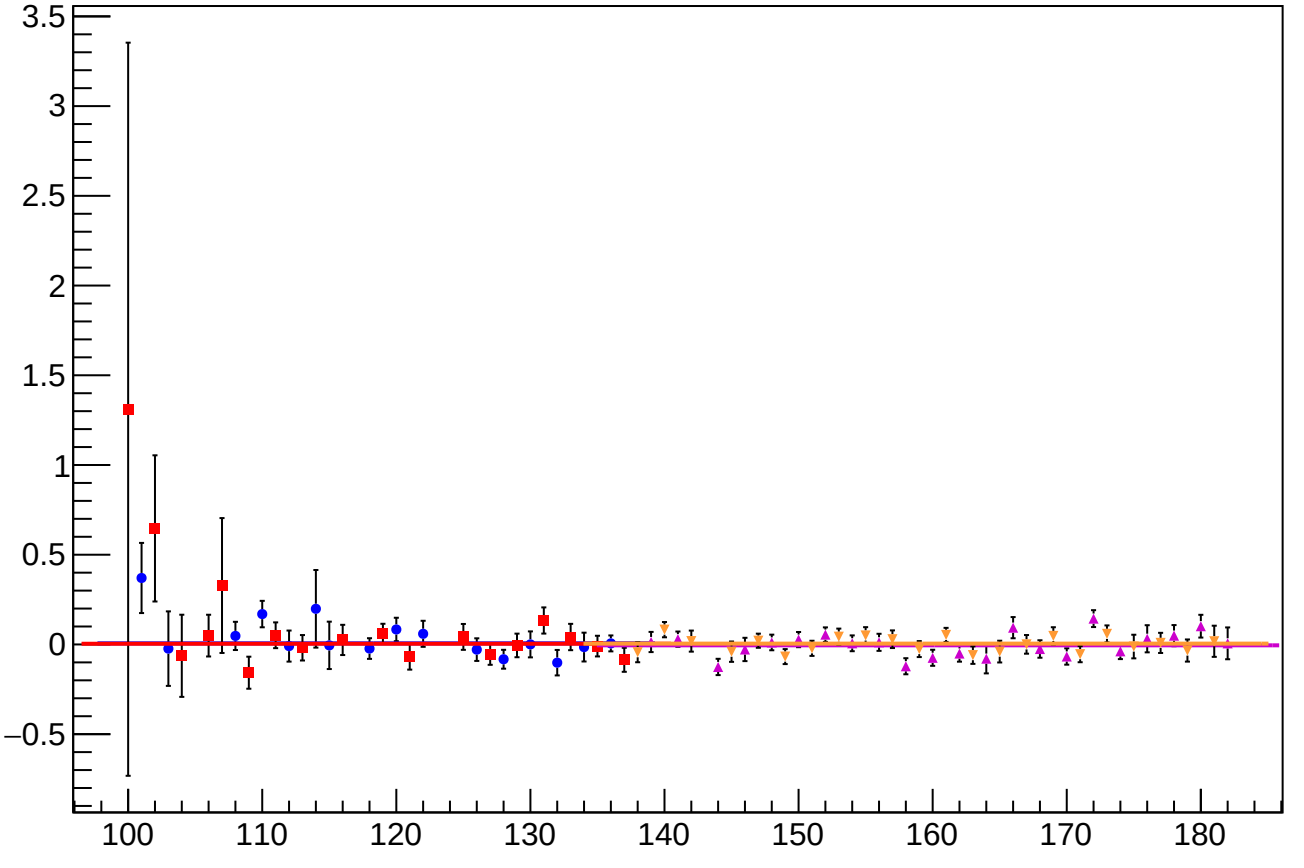
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:5037938.5/37

Out: 0.000+/-0.000 χ^2/NDF:6086398.0/39

All: 0.000+/-0.000 χ^2/NDF: 11147832.8/77

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.010 χ^2/NDF:18.9/21

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.005+/-0.011 χ^2/NDF:41.4/21

Left: -0.000+/-0.007 χ^2/NDF: 60.6/43

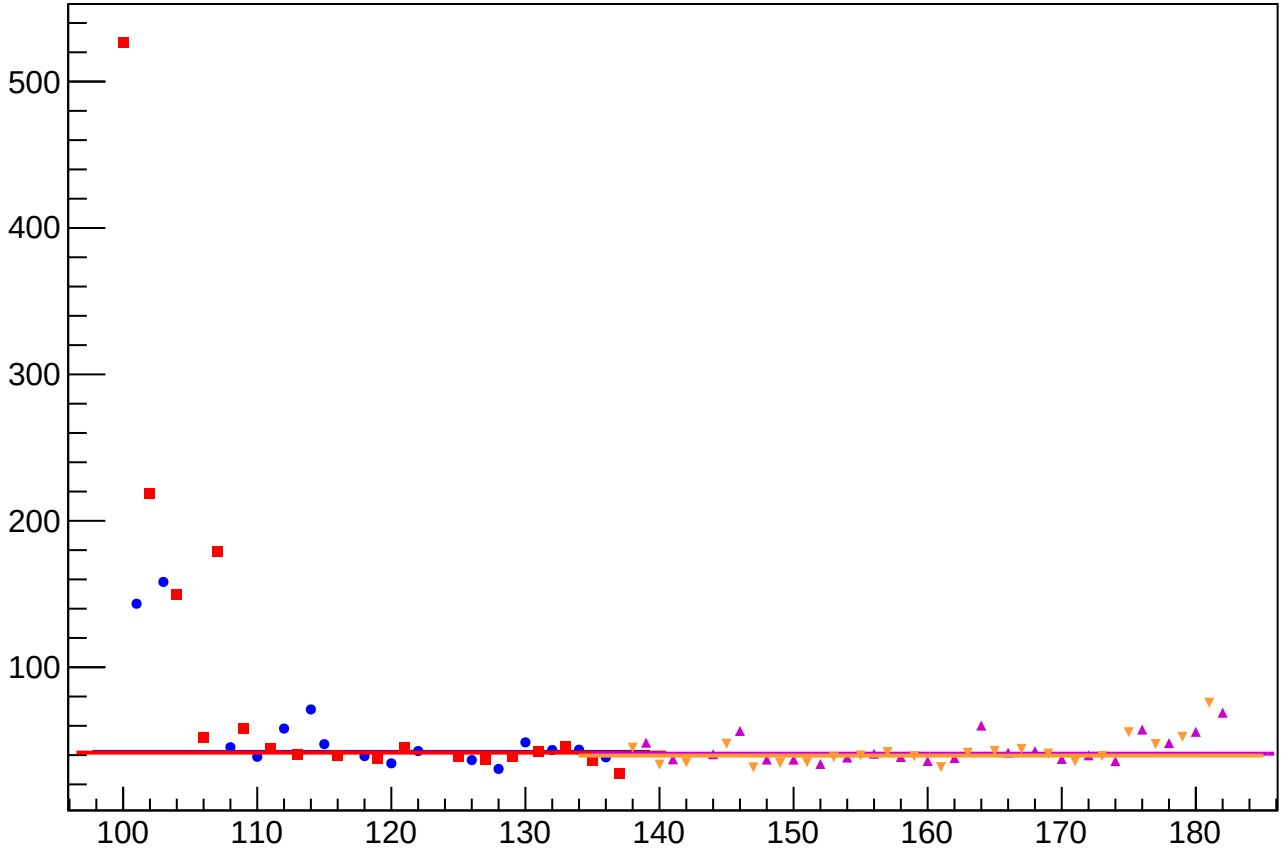
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.9/37

Out: 0.004+/-0.009 χ^2/NDF:35.1/39

All: 0.001+/-0.006 χ^2/NDF: 94.2/77

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: 39.653+/-0.007 χ^2/NDF:968094.0/21

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.963+/-0.007 χ^2/NDF:895958.3/21

Left: 40.298+/-0.005 χ^2/NDF: 1879524.8/43

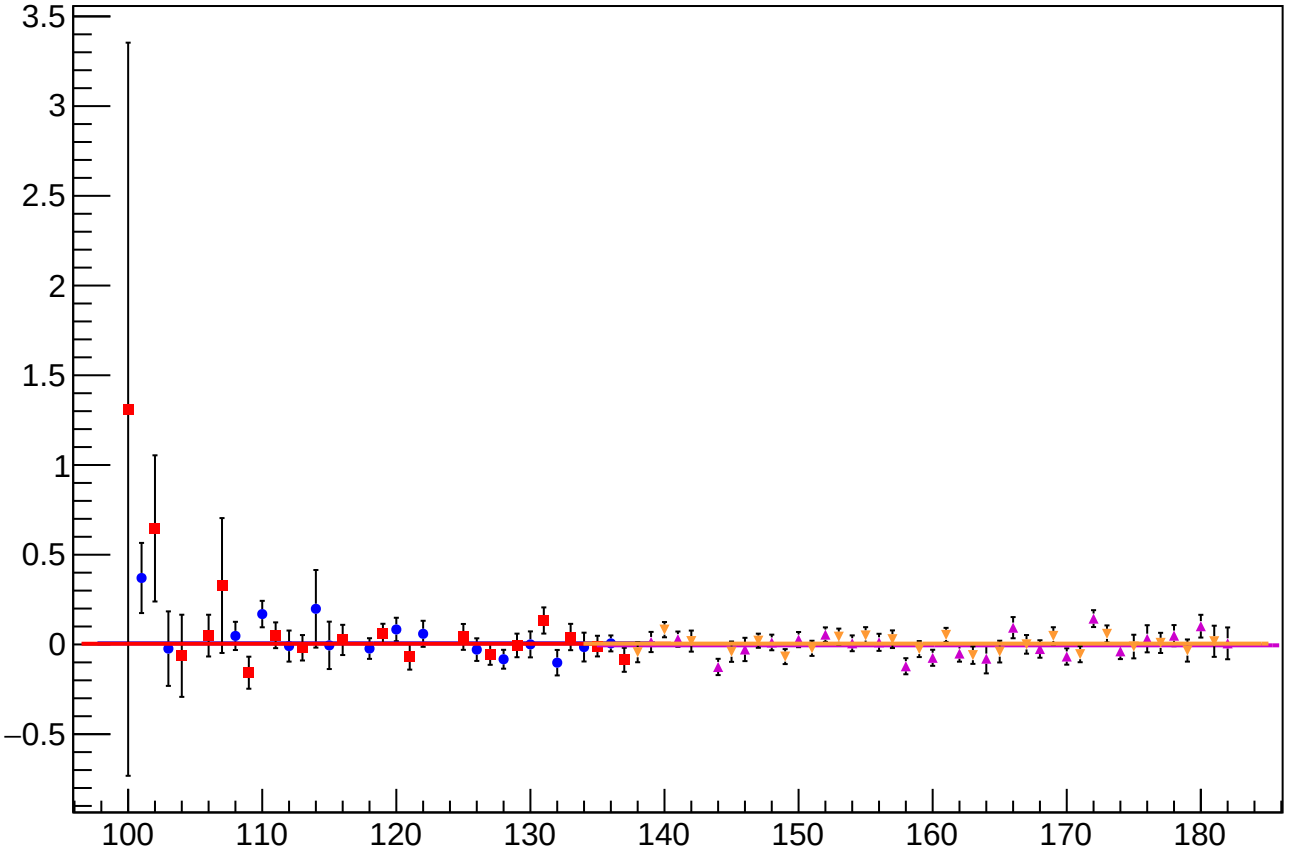
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 41.266+/-0.006 χ^2/NDF:2356826.2/37

Out: 40.143+/-0.006 χ^2/NDF:2427581.7/39

All: 40.701+/-0.005 χ^2/NDF: 4799514.7/77

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.010 χ^2/NDF:18.9/21

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.005+/-0.011 χ^2/NDF:41.4/21

Left: -0.000+/-0.007 χ^2/NDF: 60.6/43

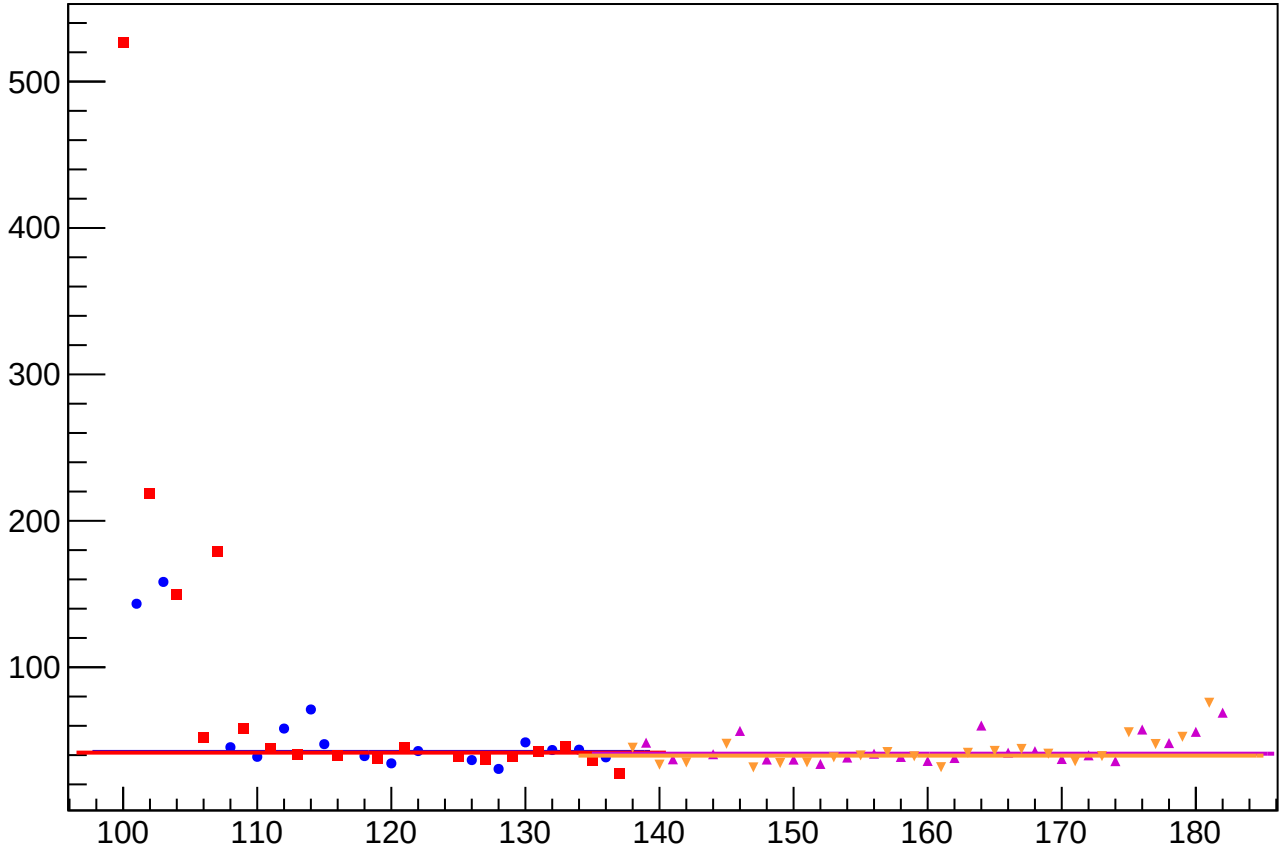
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.9/37

Out: 0.004+/-0.009 χ^2/NDF:35.1/39

All: 0.001+/-0.006 χ^2/NDF: 94.2/77

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: 39.653+/-0.007 χ^2/NDF:968094.0/21

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.963+/-0.007 χ^2/NDF:895958.3/21

Left: 40.298+/-0.005 χ^2/NDF: 1879524.8/43

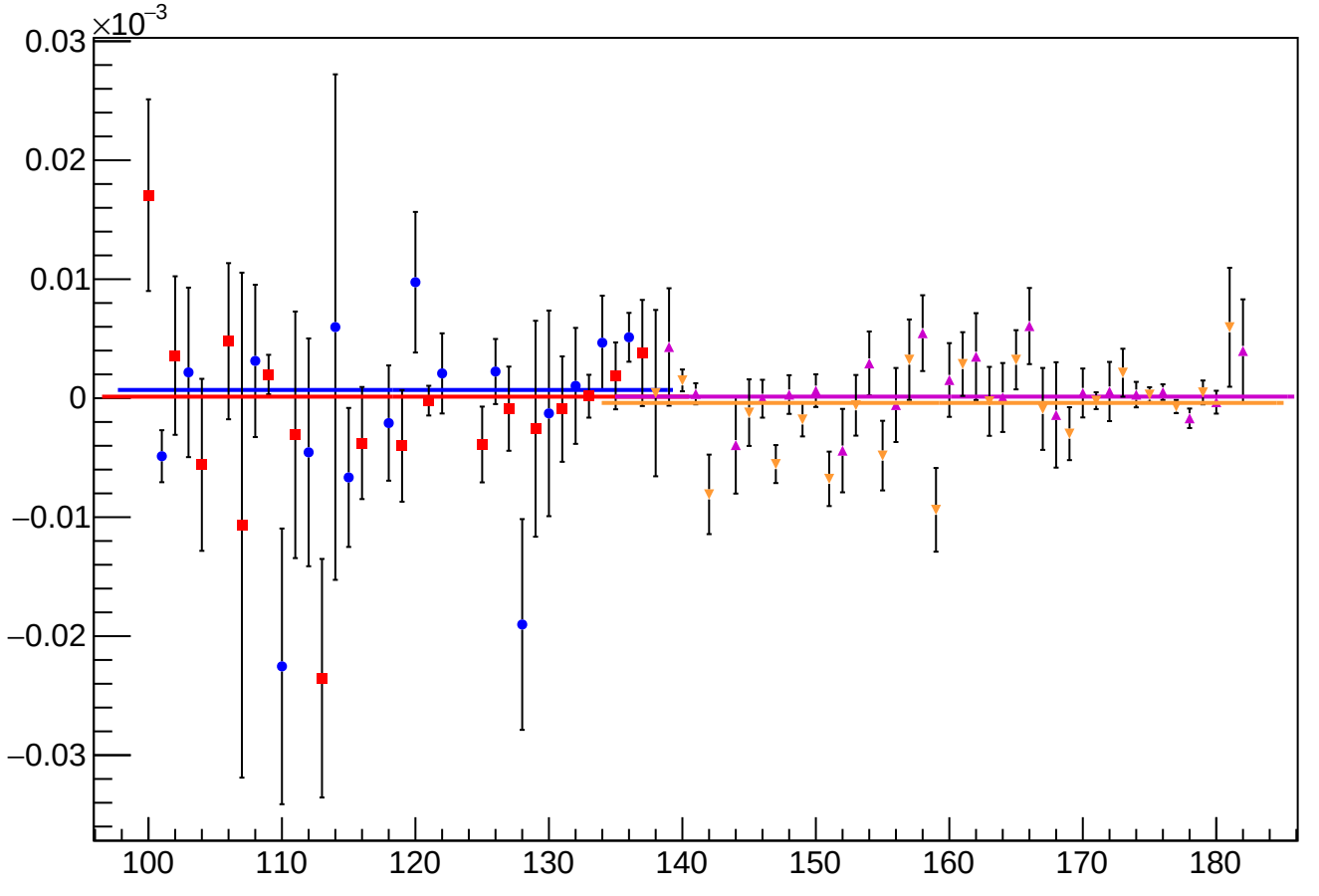
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 41.266+/-0.006 χ^2/NDF:2356826.2/37

Out: 40.143+/-0.006 χ^2/NDF:2427581.7/39

All: 40.701+/-0.005 χ^2/NDF: 4799514.7/77

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:49.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:18.5/21

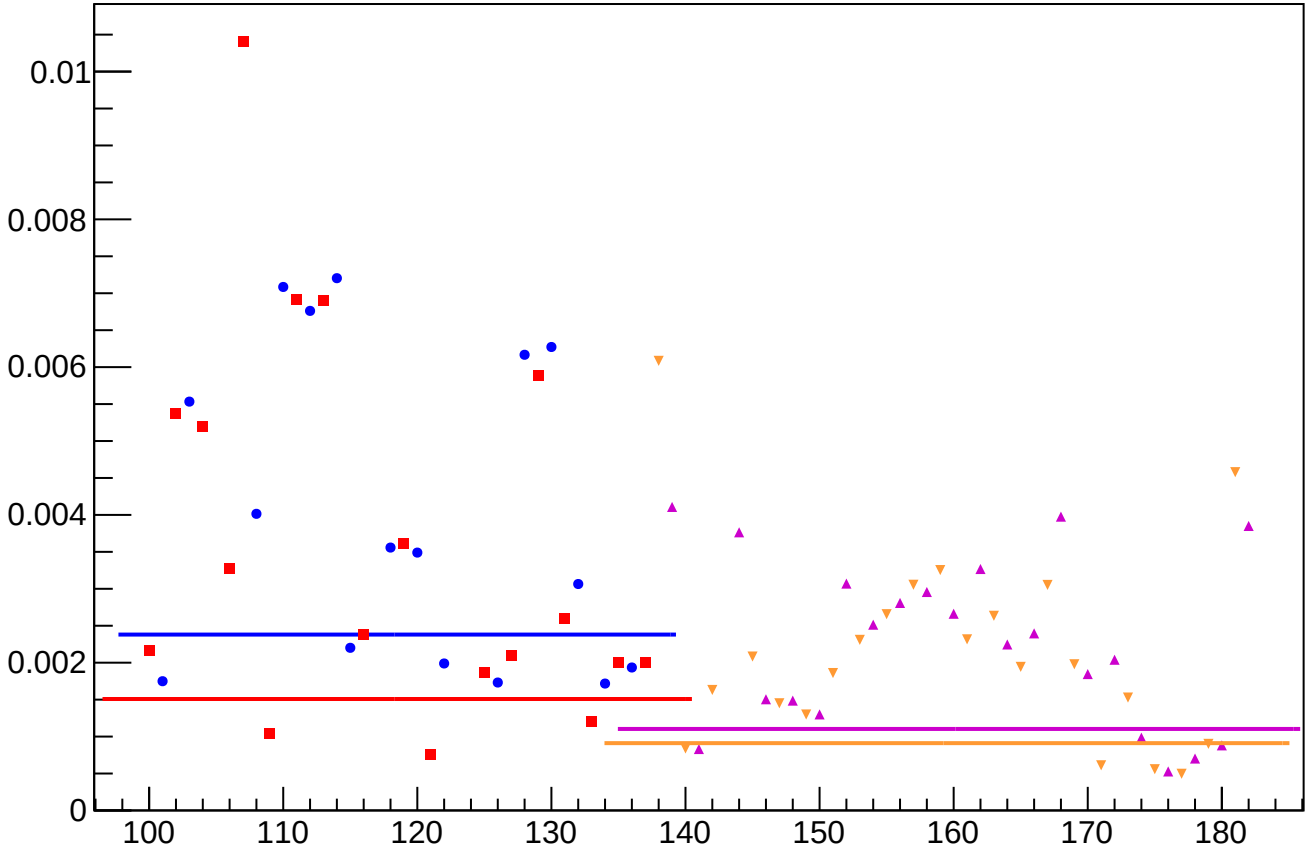
Left: -0.000+/-0.000 χ^2/NDF: 69.4/43

Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:45.3/37

Out: -0.000+/-0.000 χ^2/NDF:67.2/39

All: -0.000+/-0.000 χ^2/NDF: 114.1/77



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:11504257.4/21

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:10696960.5/21

Left: 0.001+/-0.000 χ^2/NDF: 22609753.0/43

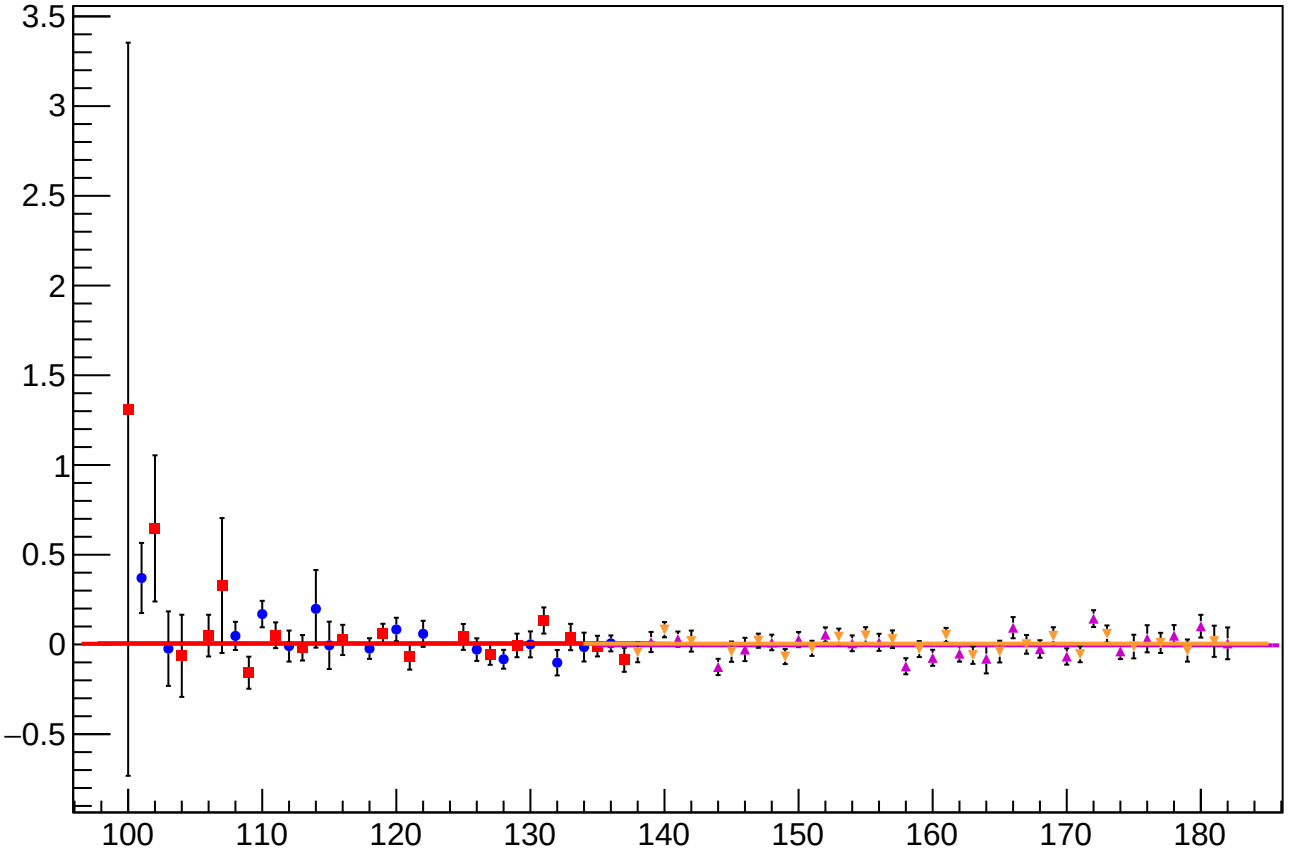
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.001+/-0.000 χ^2/NDF:16396799.5/37

Out: 0.001+/-0.000 χ^2/NDF:17699723.4/39

All: 0.001+/-0.000 χ^2/NDF: 34747542.8/77

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.010 χ^2/NDF:18.9/21

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.005+/-0.011 χ^2/NDF:41.4/21

Left: -0.000+/-0.007 χ^2/NDF: 60.6/43

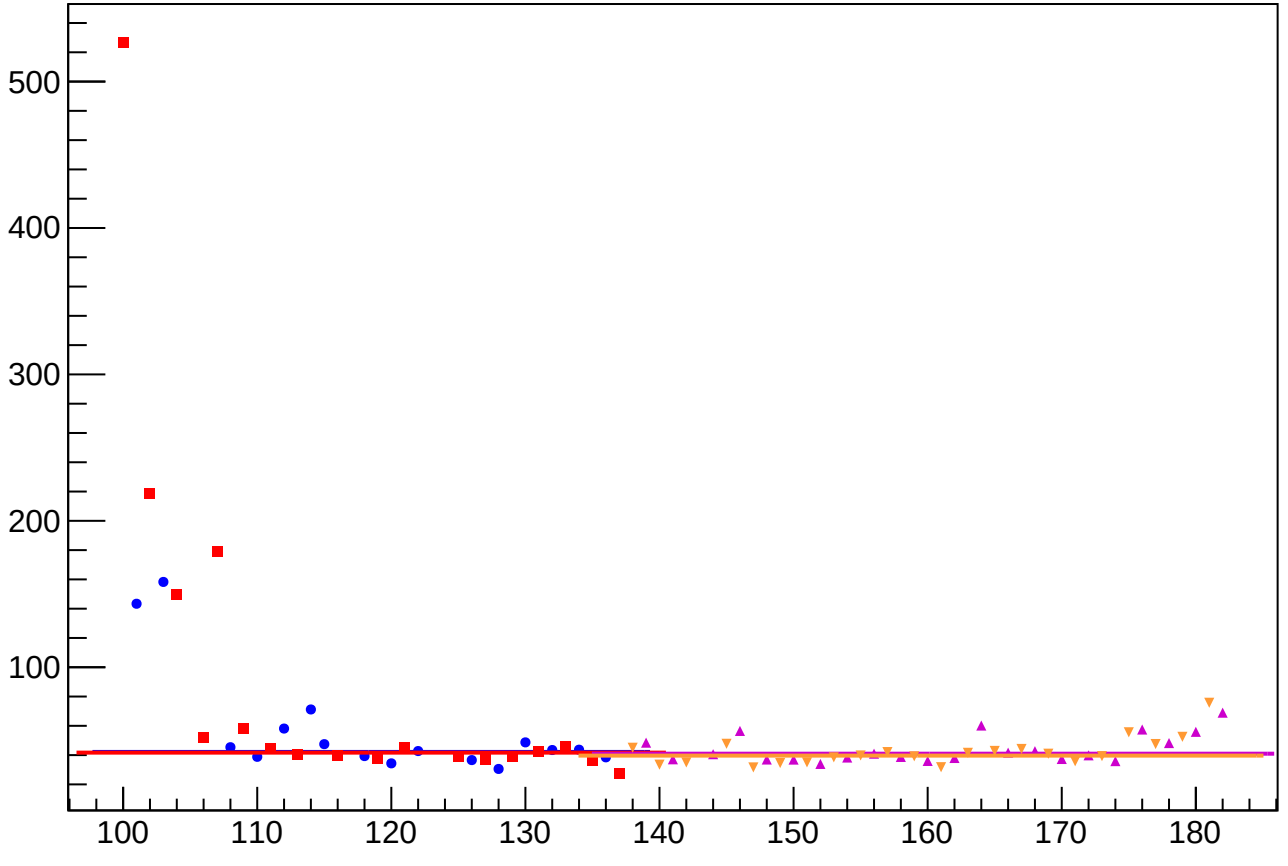
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.8/37

Out: 0.004+/-0.009 χ^2/NDF:35.1/39

All: 0.001+/-0.006 χ^2/NDF: 94.2/77

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: 39.653+/-0.007 χ^2/NDF:968075.7/21

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 40.963+/-0.007 χ^2/NDF:895984.4/21

Left: 40.298+/-0.005 χ^2/NDF: 1879530.0/43

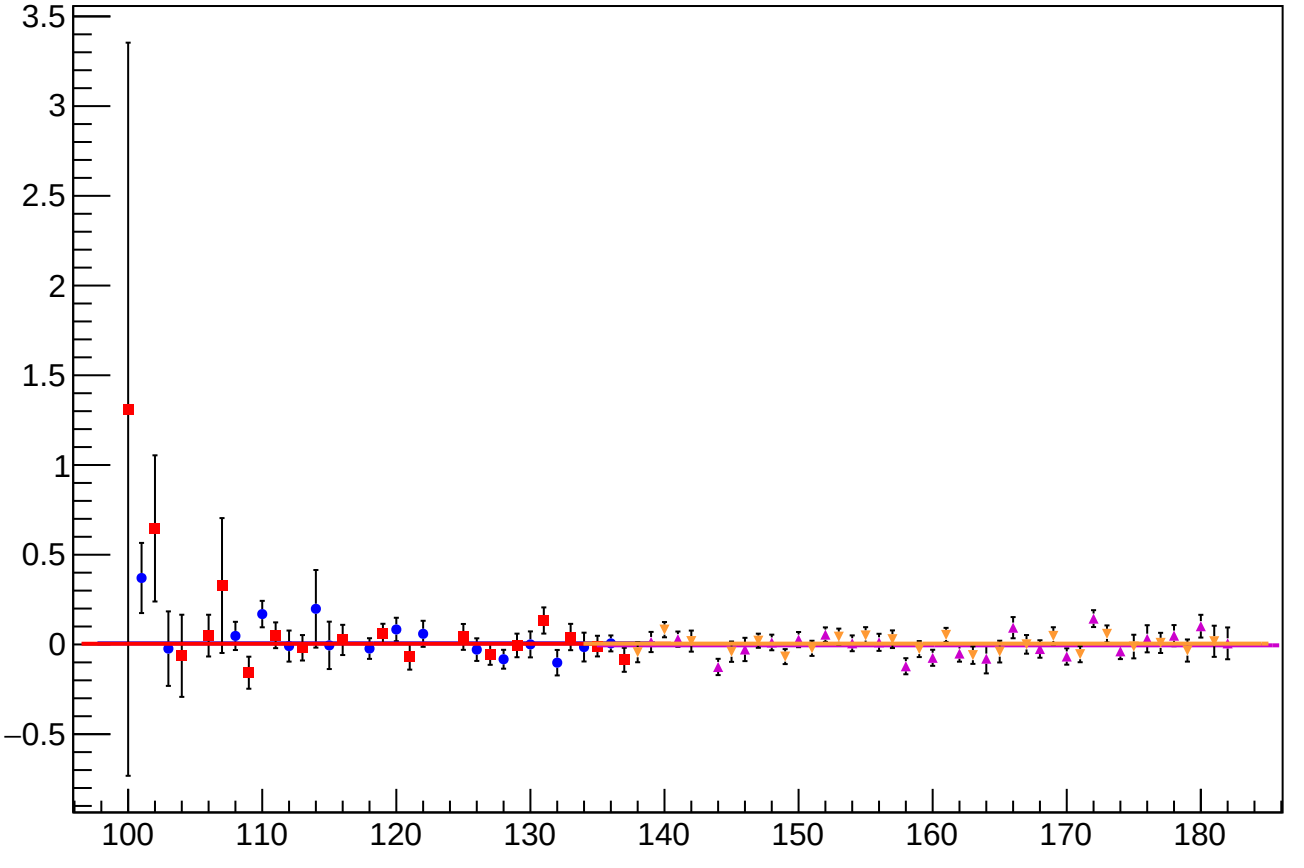
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.265+/-0.006 χ^2/NDF:2357040.3/37

Out: 40.143+/-0.006 χ^2/NDF:2427550.2/39

All: 40.700+/-0.005 χ^2/NDF: 4799676.1/77

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.005+/-0.010 χ^2/NDF:18.9/21

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.005+/-0.011 χ^2/NDF:41.4/21

Left: -0.000+/-0.007 χ^2/NDF: 60.6/43

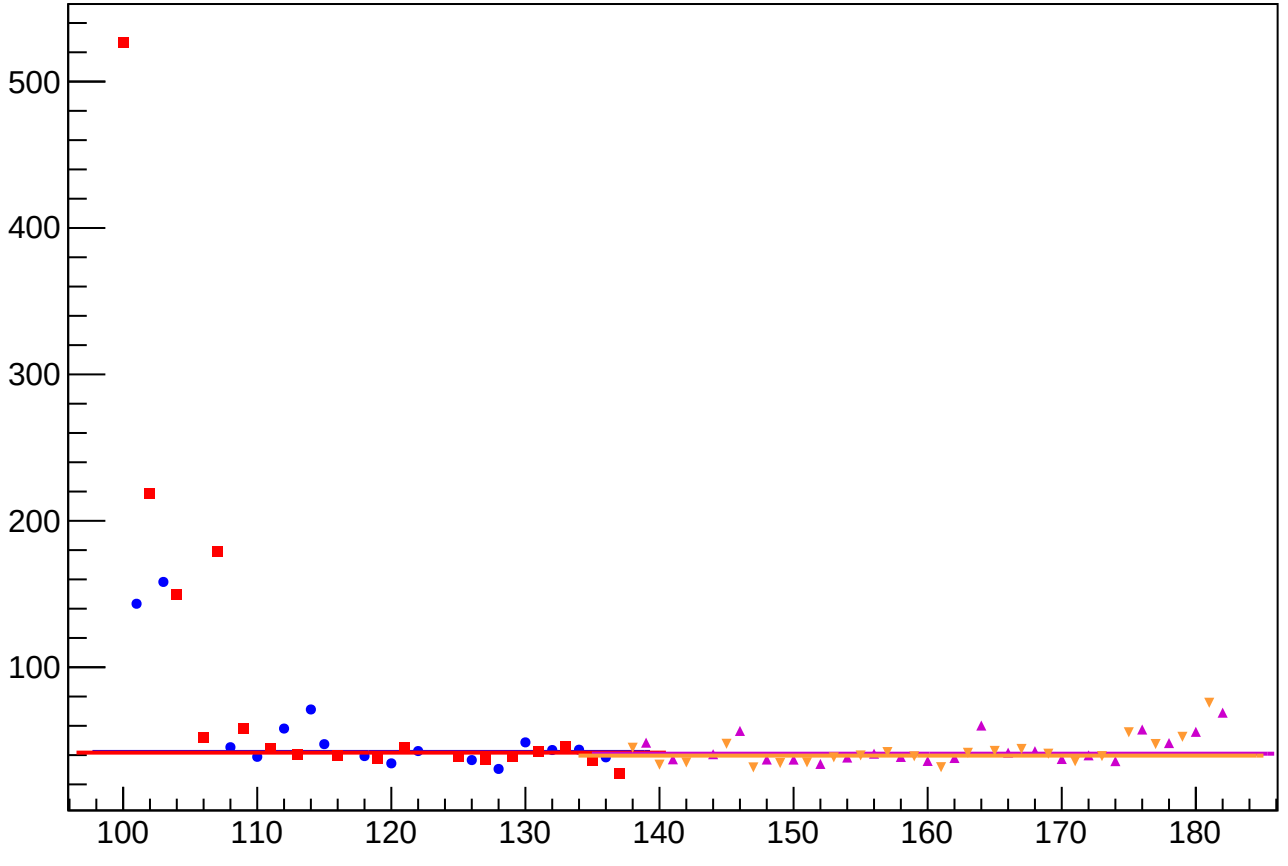
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.8/37

Out: 0.004+/-0.009 χ^2/NDF:35.1/39

All: 0.001+/-0.006 χ^2/NDF: 94.2/77

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: 39.653+/-0.007 χ^2/NDF:968075.7/21

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 40.963+/-0.007 χ^2/NDF:895984.4/21

Left: 40.298+/-0.005 χ^2/NDF: 1879530.0/43

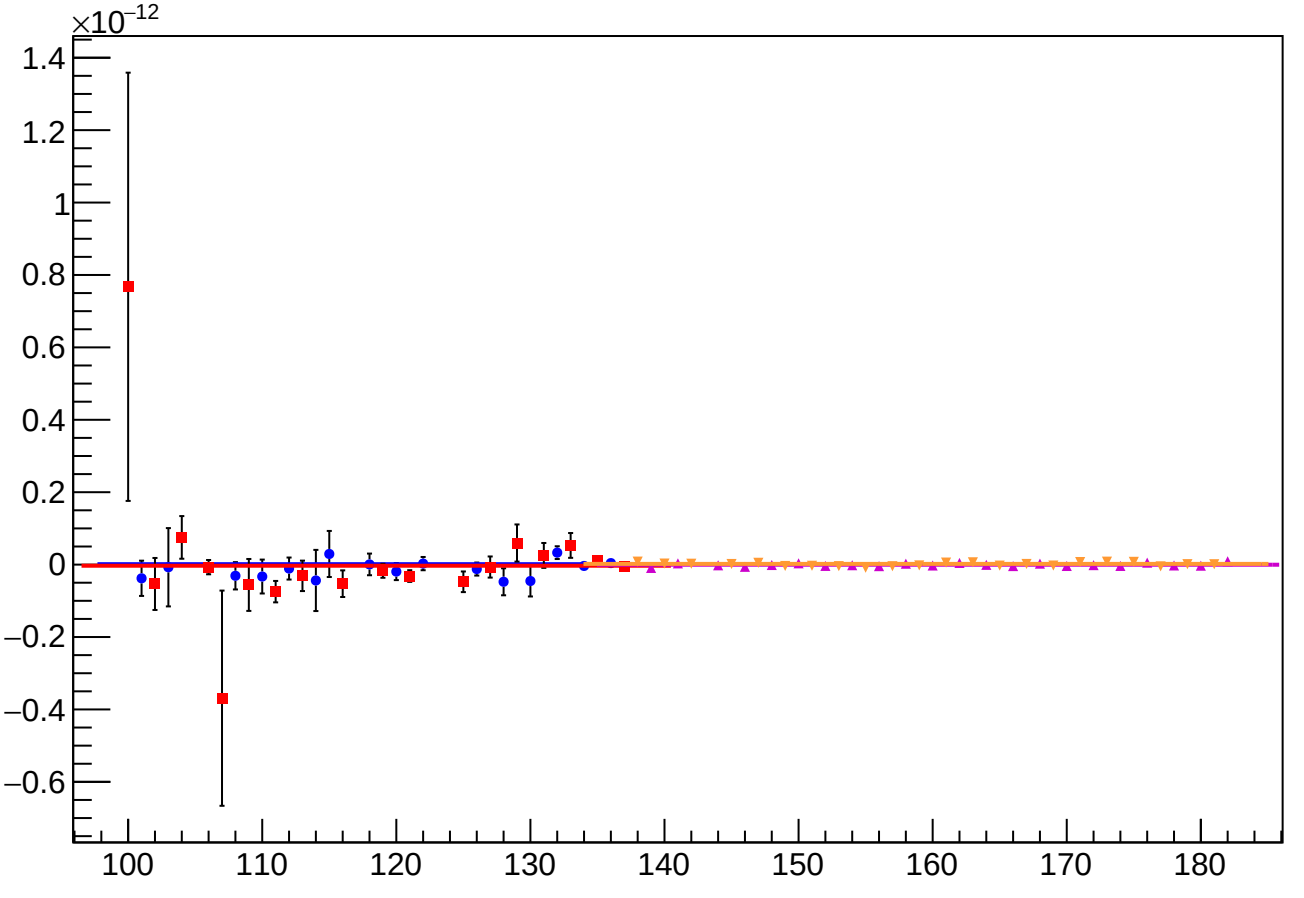
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.265+/-0.006 χ^2/NDF:2357040.3/37

Out: 40.143+/-0.006 χ^2/NDF:2427550.2/39

All: 40.700+/-0.005 χ^2/NDF: 4799676.1/77

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:24.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:22.8/21

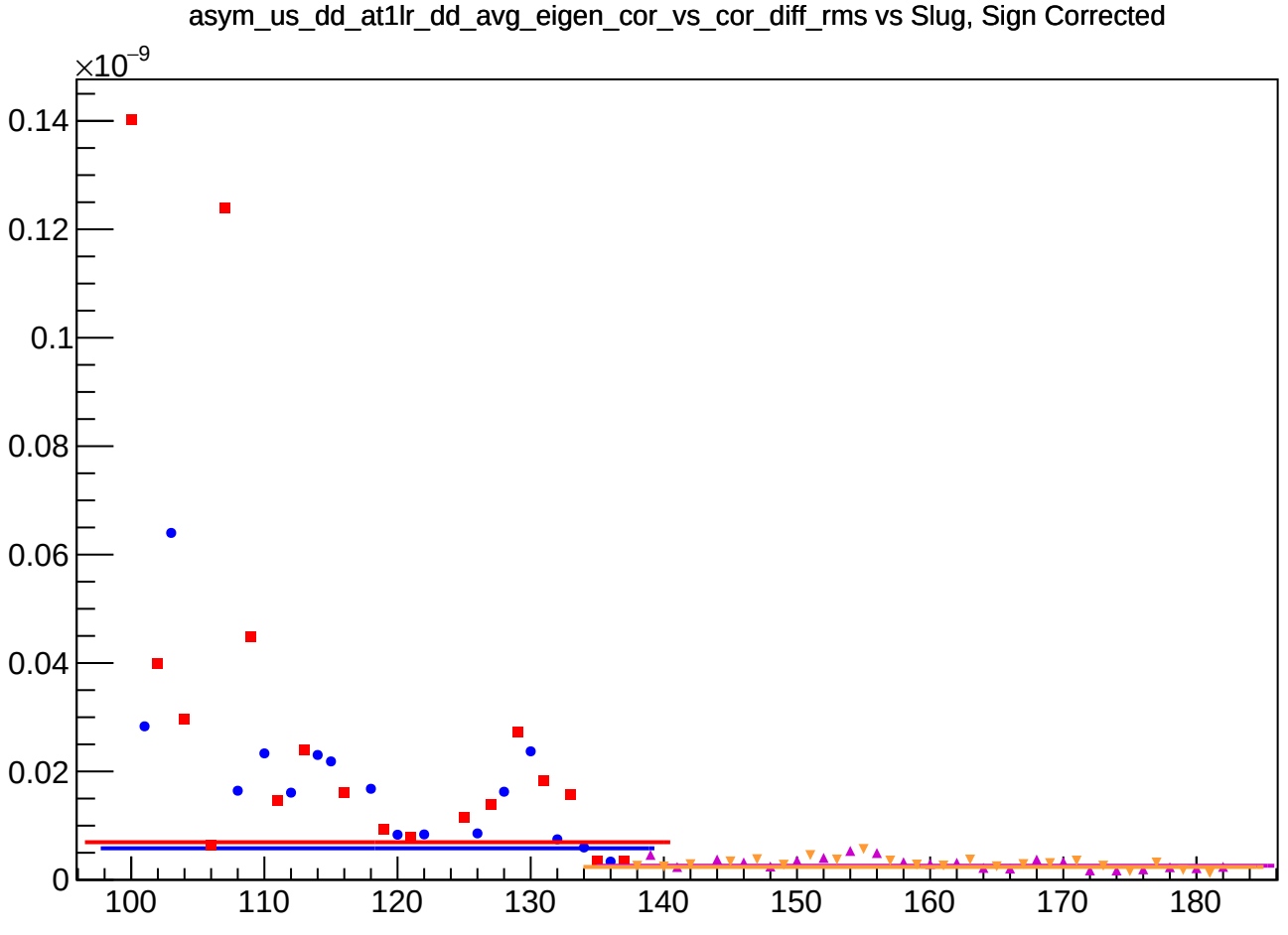
Left: 0.000+/-0.000 χ^2/NDF: 51.4/43

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:33.5/37

Out: 0.000+/-0.000 χ^2/NDF:54.8/39

All: 0.000+/-0.000 χ^2/NDF: 91.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2505087.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1810472.8/21

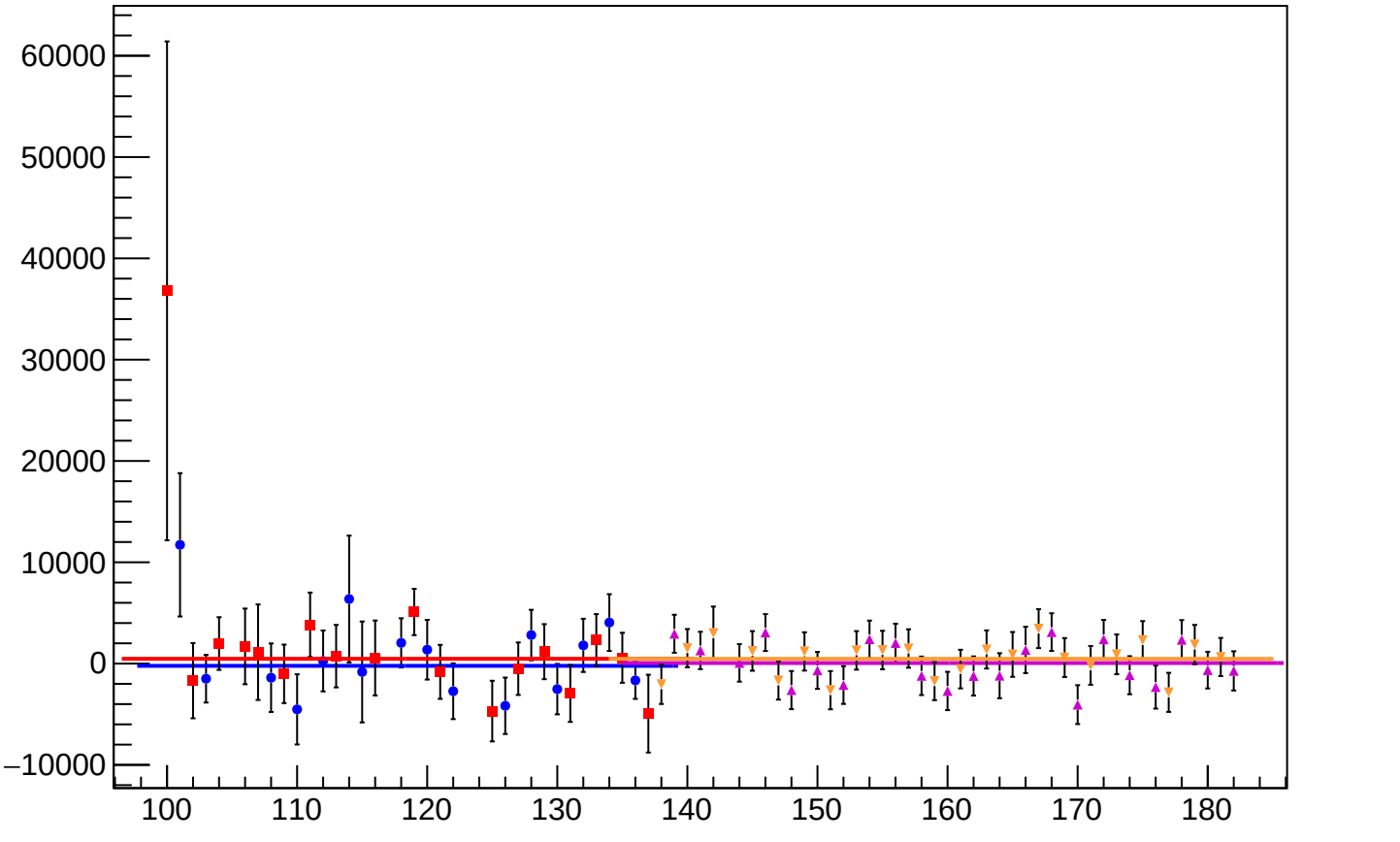
Left: 0.000+/-0.000 χ^2/NDF: 4379925.6/43

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:6390566.0/37

Out: 0.000+/-0.000 χ^2/NDF:8085628.4/39

All: 0.000+/-0.000 χ^2/NDF: 14552114.9/77



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 467.667+/-413.747 χ^2/NDF:16.8/21

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 53.637+/-408.011 χ^2/NDF:27.5/21

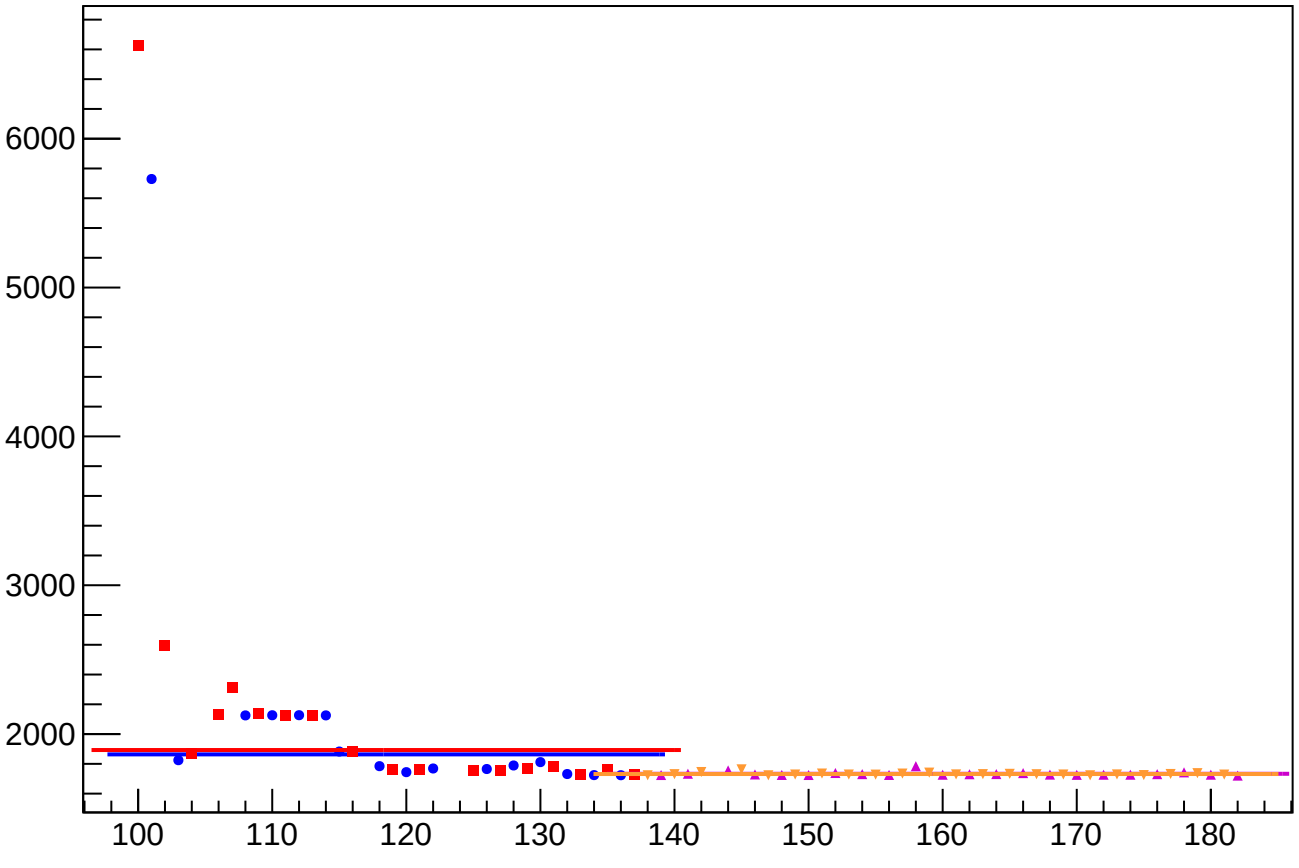
Left: 257.762+/-290.514 χ^2/NDF: 44.9/43

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: -15.158+/-353.654 χ^2/NDF:43.5/37

Out: 468.865+/-357.666 χ^2/NDF:32.7/39

All: 224.124+/-251.477 χ^2/NDF: 77.1/77



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1731.652+/-0.293 χ^2/NDF:837.2/21

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.251+/-0.289 χ^2/NDF:2194.1/21

Left: 1732.463+/-0.205 χ^2/NDF: 3046.4/43

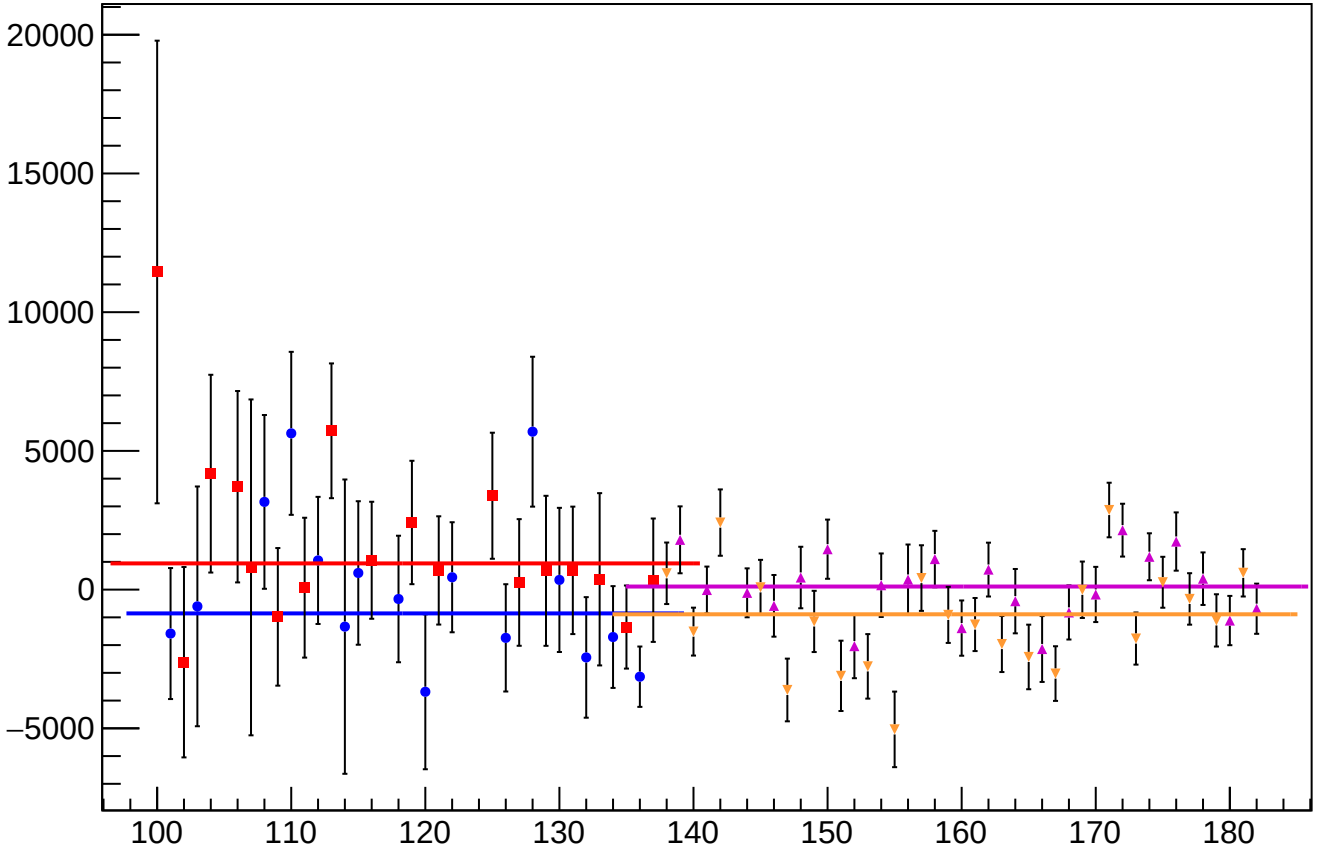
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1765.664+/-0.250 χ^2/NDF:727611.6/37

Out: 1772.394+/-0.253 χ^2/NDF:329086.2/39

All: 1768.991+/-0.178 χ^2/NDF: 1057055.8/77

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: -889.368+/-218.747 χ^2/NDF:62.0/21

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 110.845+/-215.256 χ^2/NDF:27.3/21

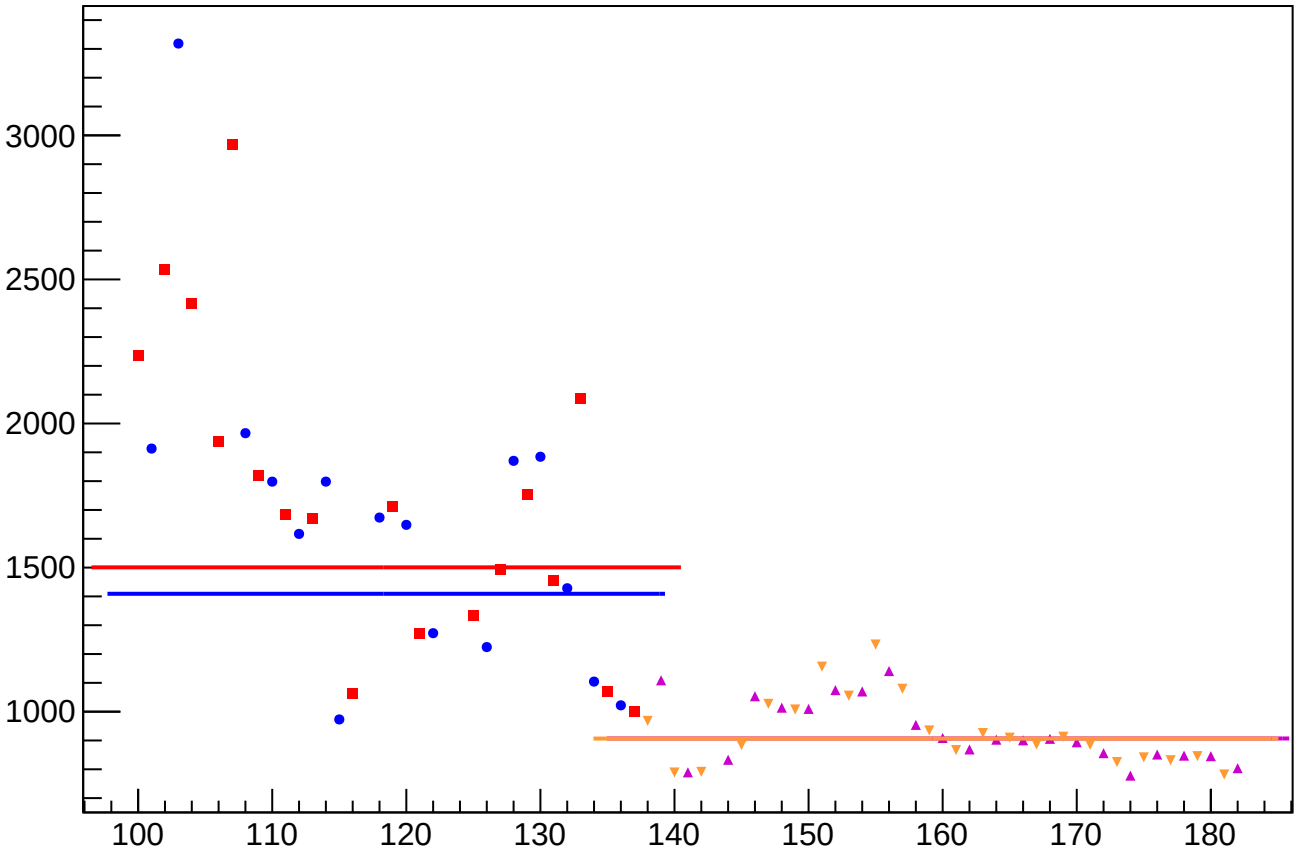
Left: -381.218+/-153.428 χ^2/NDF: 99.9/43

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -17.836+/-200.441 χ^2/NDF:50.6/37

Out: -663.684+/-204.847 χ^2/NDF:83.5/39

All: -333.740+/-143.265 χ^2/NDF: 139.2/77



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 906.652+/-0.155 χ^2/NDF:467631.8/21

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 906.965+/-0.152 χ^2/NDF:441377.9/21

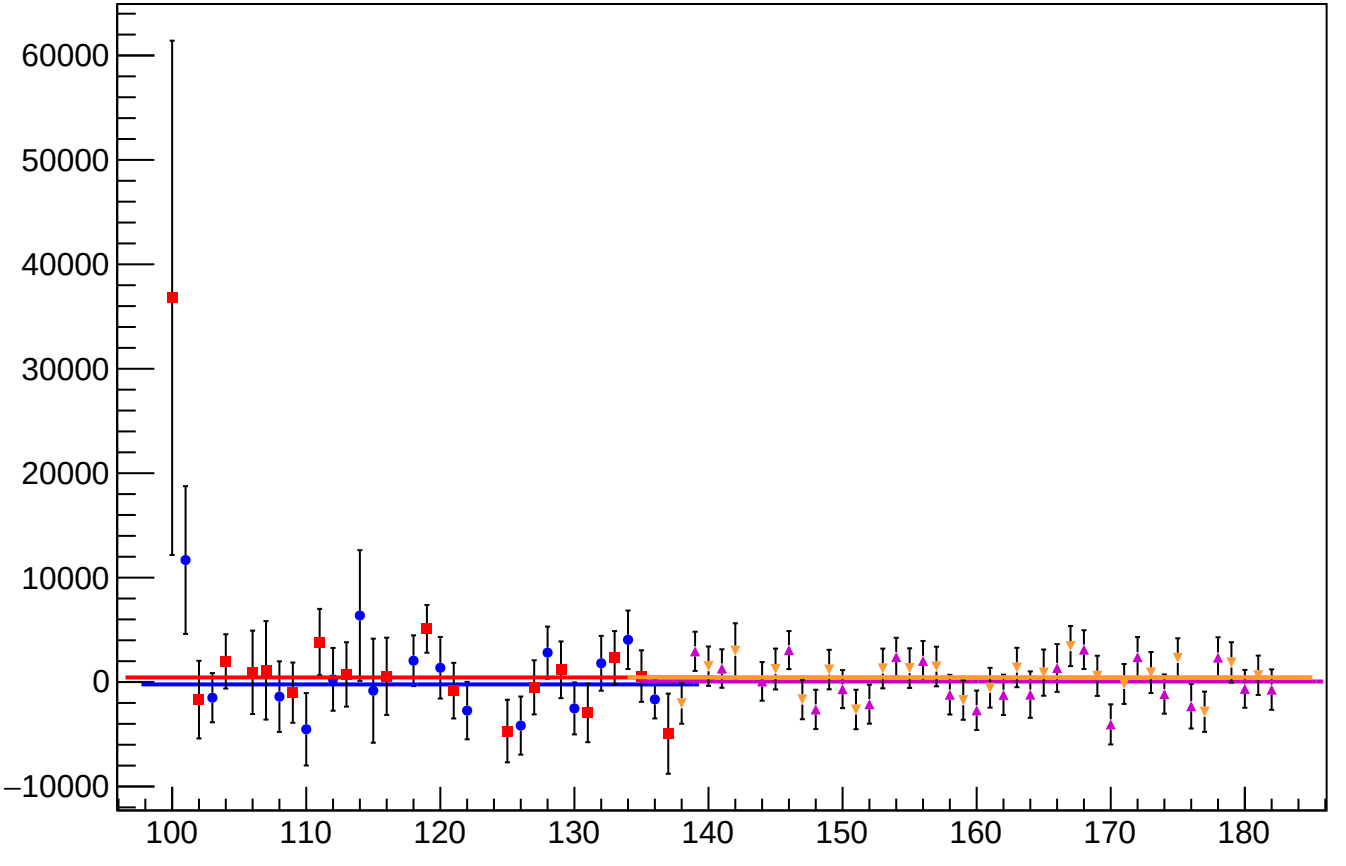
Left: 906.811+/-0.108 χ^2/NDF: 909011.8/43

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 973.706+/-0.142 χ^2/NDF:3055621.0/37

Out: 979.762+/-0.145 χ^2/NDF:3313994.9/39

All: 976.668+/-0.101 χ^2/NDF: 6370508.7/77



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 467.712+/-413.747 χ^2/NDF:16.8/21

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 53.674+/-408.011 χ^2/NDF:27.5/21

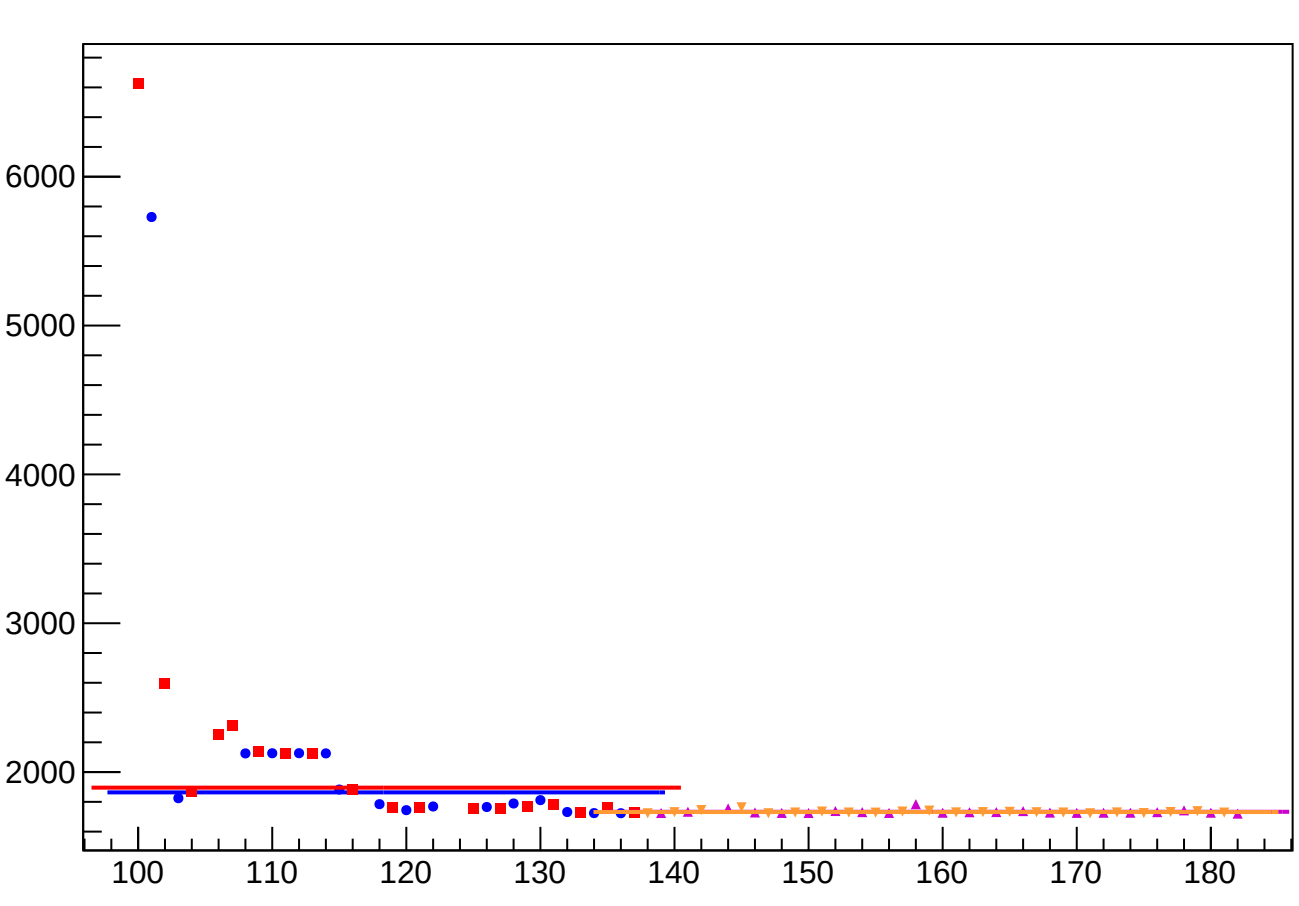
Left: 257.803+/-290.514 χ^2/NDF: 44.9/43

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -15.323+/-353.654 χ^2/NDF:43.5/37

Out: 461.494+/-357.871 χ^2/NDF:32.6/39

All: 220.259+/-251.549 χ^2/NDF: 77.0/77



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.652+/-0.293 χ^2/NDF:837.2/21

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.251+/-0.289 χ^2/NDF:2194.1/21

Left: 1732.463+/-0.205 χ^2/NDF: 3046.4/43

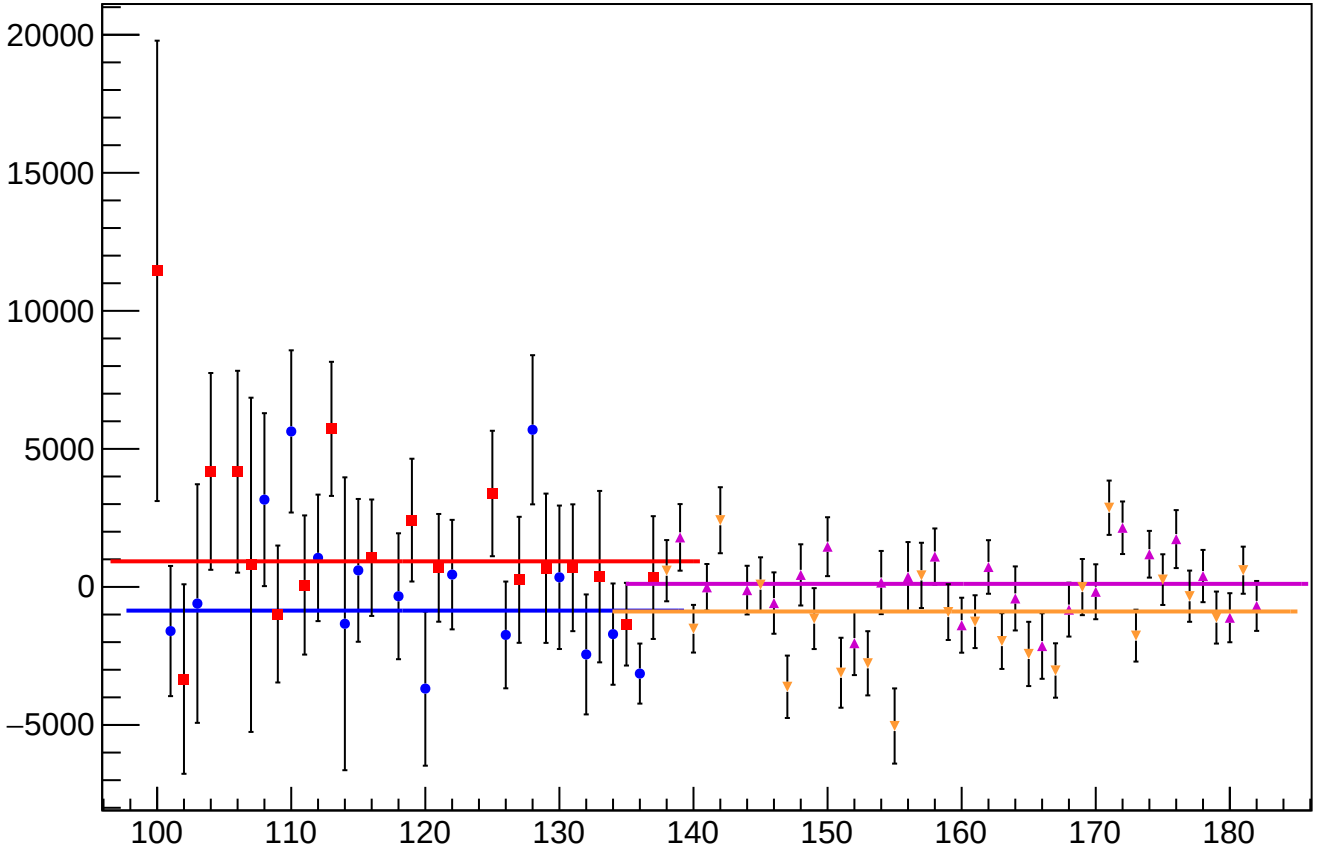
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1765.664+/-0.250 χ^2/NDF:727611.5/37

Out: 1772.916+/-0.253 χ^2/NDF:338995.3/39

All: 1769.247+/-0.178 χ^2/NDF: 1067022.3/77

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -889.357+/-218.747 χ^2/NDF:62.0/21

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 110.871+/-215.255 χ^2/NDF:27.3/21

Left: -381.196+/-153.428 χ^2/NDF: 99.9/43

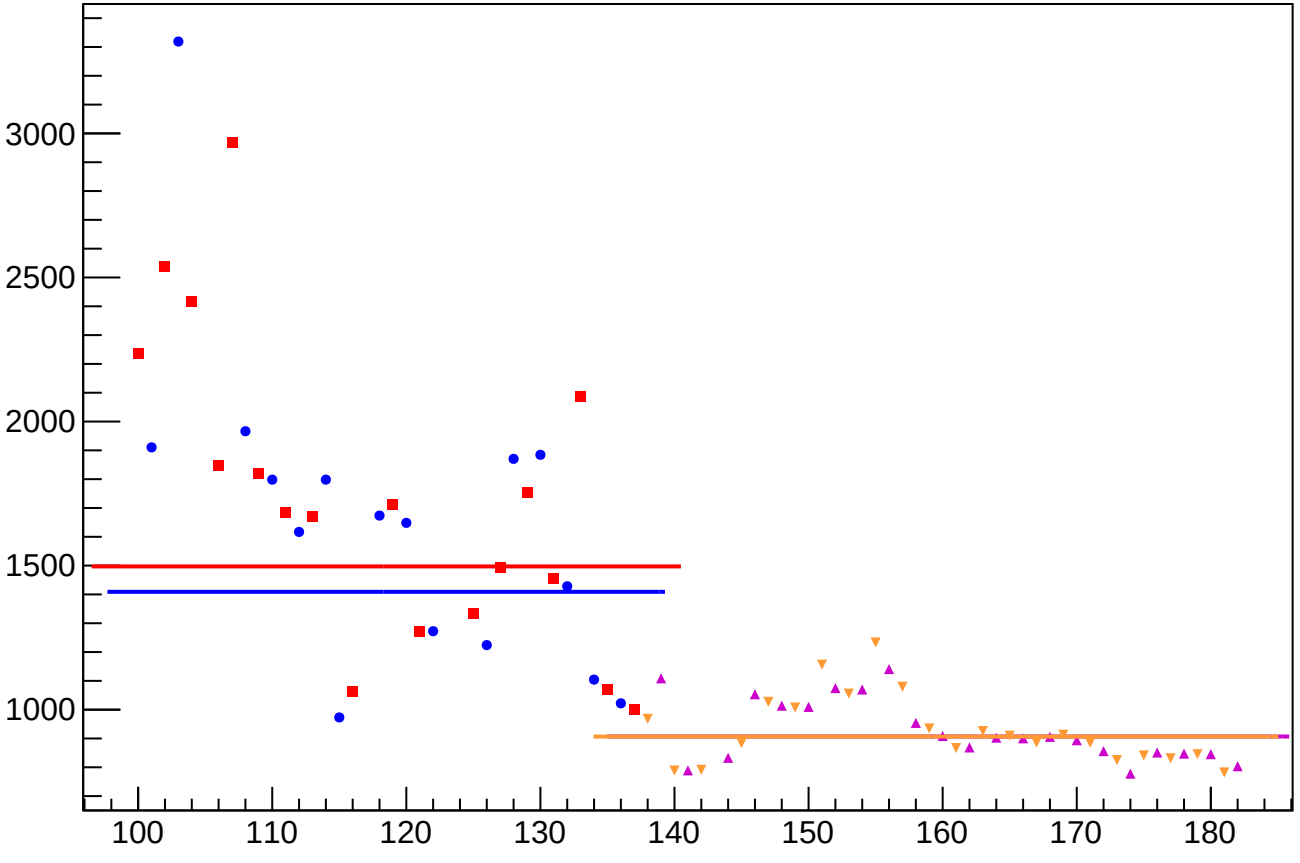
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -17.939+/-200.438 χ^2/NDF:50.6/37

Out: -666.446+/-204.886 χ^2/NDF:84.0/39

All: -335.076+/-143.278 χ^2/NDF: 139.7/77

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 906.653+/-0.155 χ^2/NDF:467587.3/21

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 906.961+/-0.152 χ^2/NDF:441394.0/21

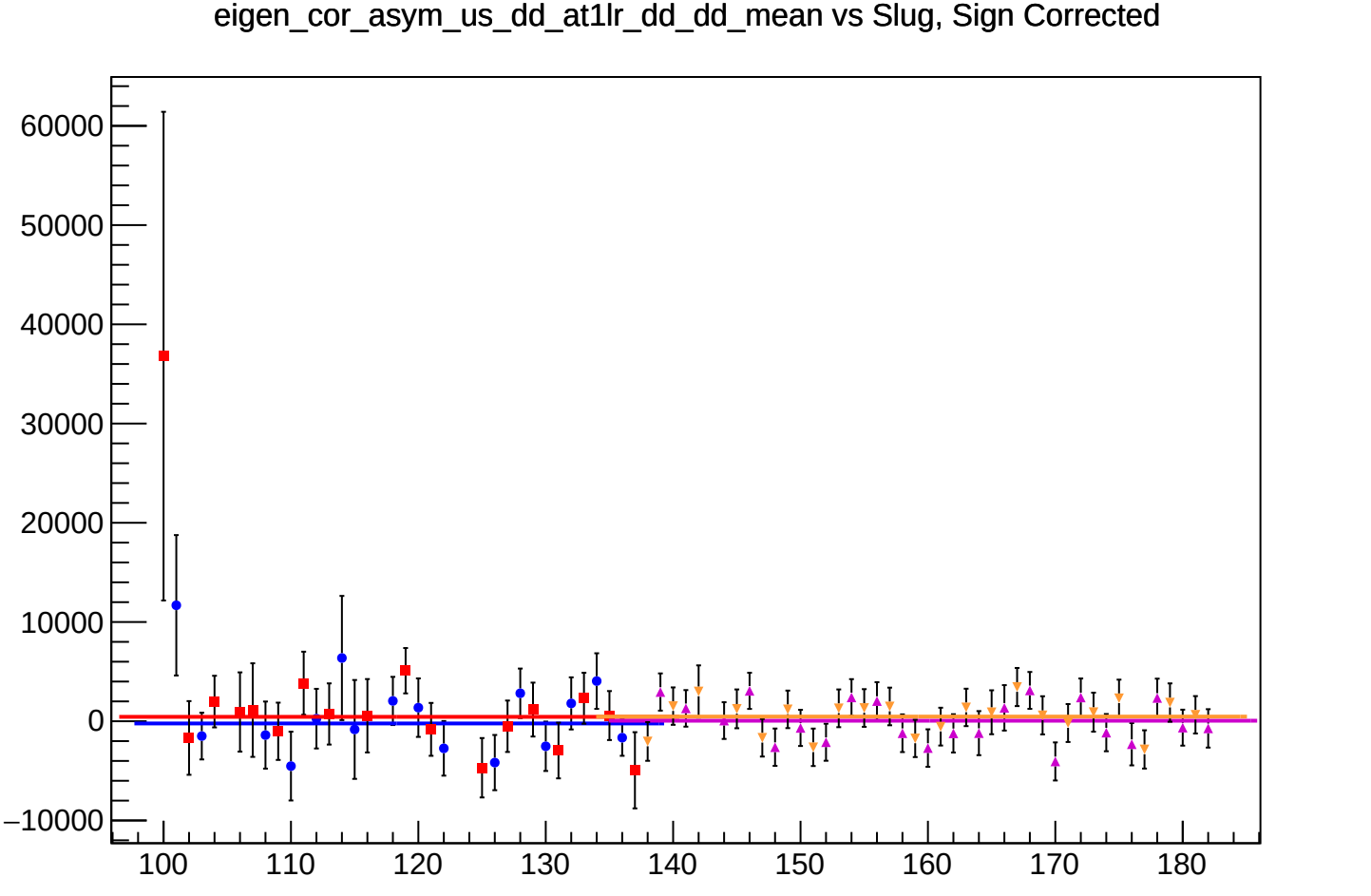
Left: 906.810+/-0.108 χ^2/NDF: 908983.4/43

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 973.701+/-0.142 χ^2/NDF:3054770.9/37

Out: 979.114+/-0.145 χ^2/NDF:3274102.4/39

All: 976.348+/-0.101 χ^2/NDF: 6329586.7/77



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 467.712+/-413.747 χ^2/NDF:16.8/21

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 53.674+/-408.011 χ^2/NDF:27.5/21

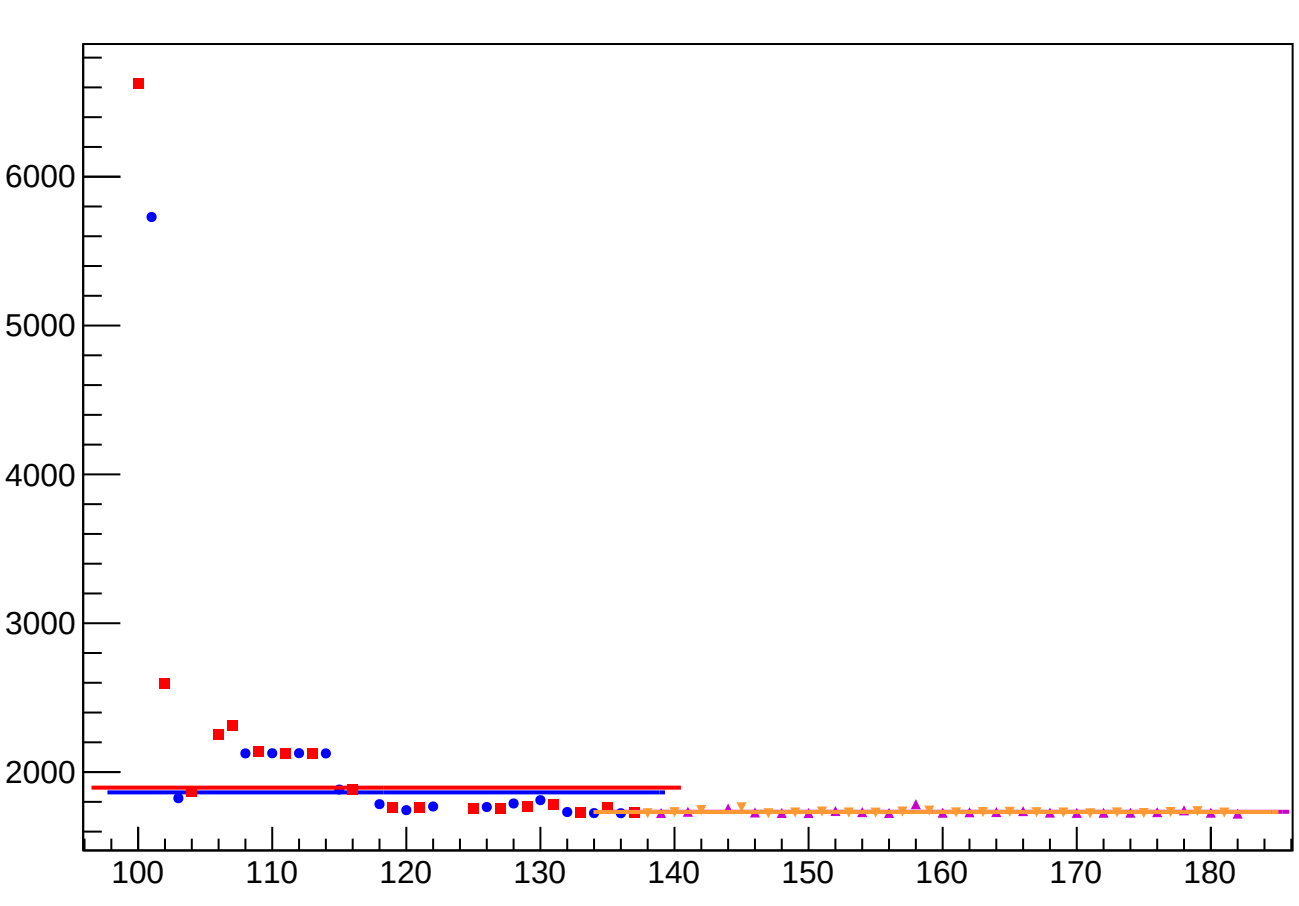
Left: 257.803+/-290.514 χ^2/NDF: 44.9/43

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -15.323+/-353.654 χ^2/NDF:43.5/37

Out: 461.494+/-357.871 χ^2/NDF:32.6/39

All: 220.259+/-251.549 χ^2/NDF: 77.0/77



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.652+/-0.293 χ^2/NDF:837.2/21

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.251+/-0.289 χ^2/NDF:2194.1/21

Left: 1732.463+/-0.205 χ^2/NDF: 3046.4/43

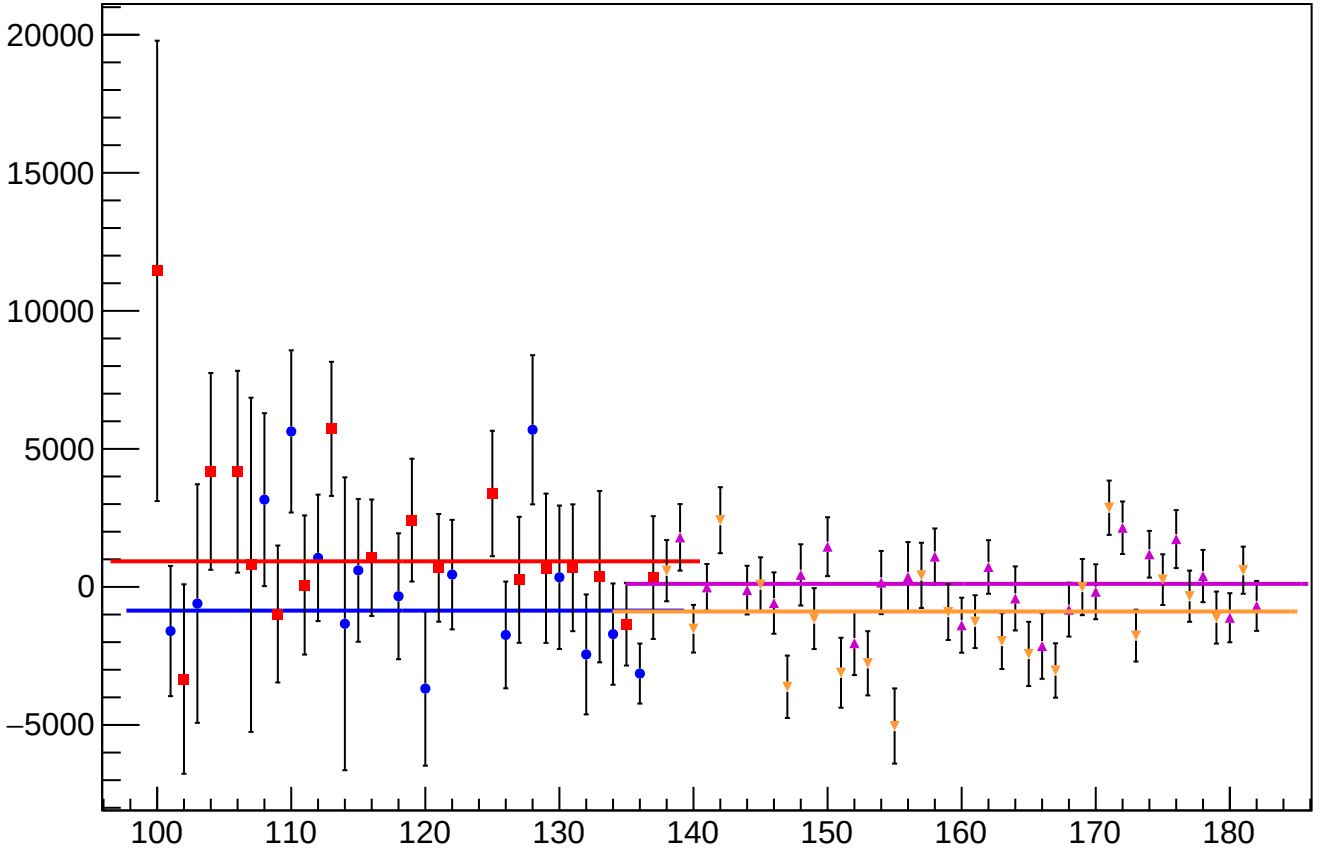
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1765.664+/-0.250 χ^2/NDF:727611.5/37

Out: 1772.916+/-0.253 χ^2/NDF:338995.3/39

All: 1769.247+/-0.178 χ^2/NDF: 1067022.3/77

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -889.357+/-218.747 χ^2/NDF:62.0/21

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 110.871+/-215.255 χ^2/NDF:27.3/21

Left: -381.196+/-153.428 χ^2/NDF: 99.9/43

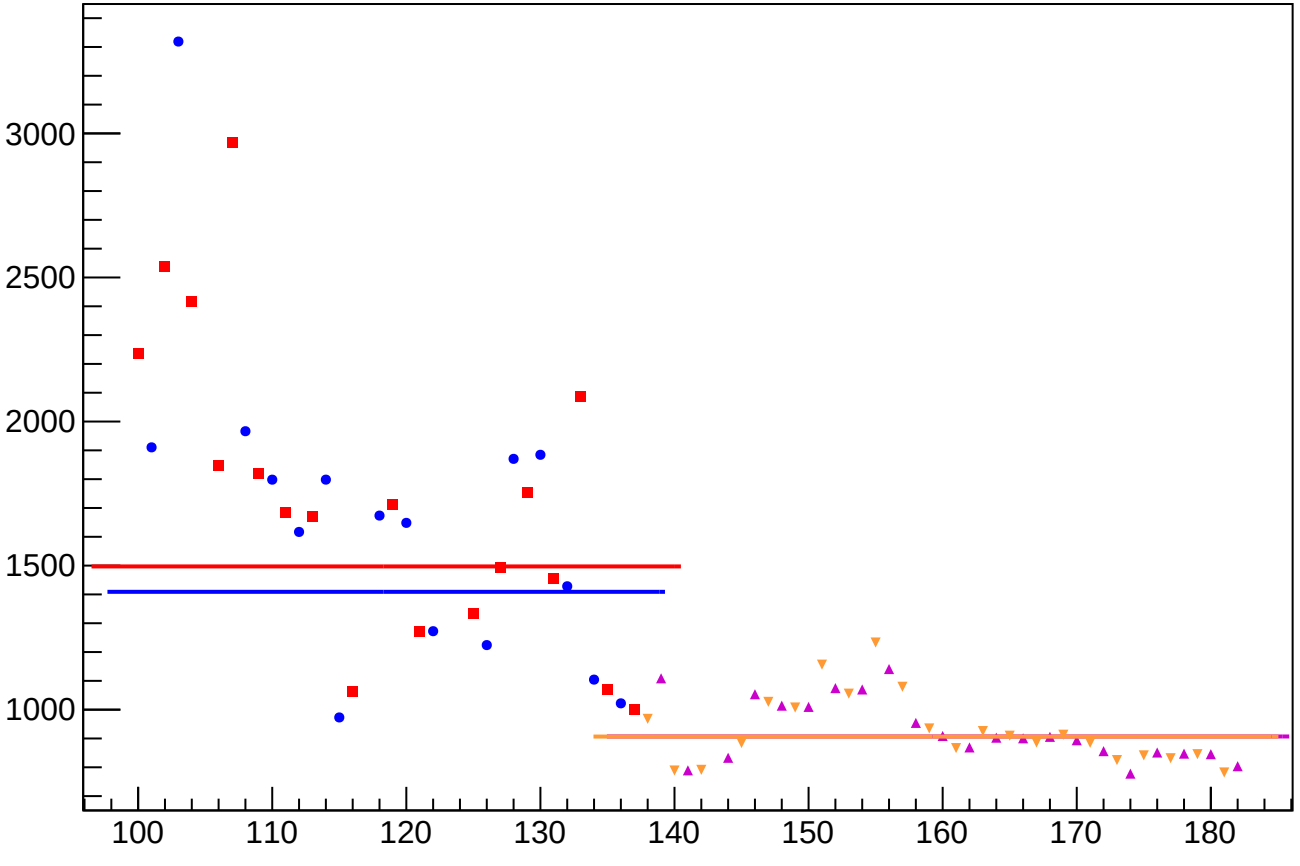
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -17.939+/-200.438 χ^2/NDF:50.6/37

Out: -666.446+/-204.886 χ^2/NDF:84.0/39

All: -335.076+/-143.278 χ^2/NDF: 139.7/77

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: 906.653+/-0.155 χ^2/NDF:467587.3/21

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 906.961+/-0.152 χ^2/NDF:441394.0/21

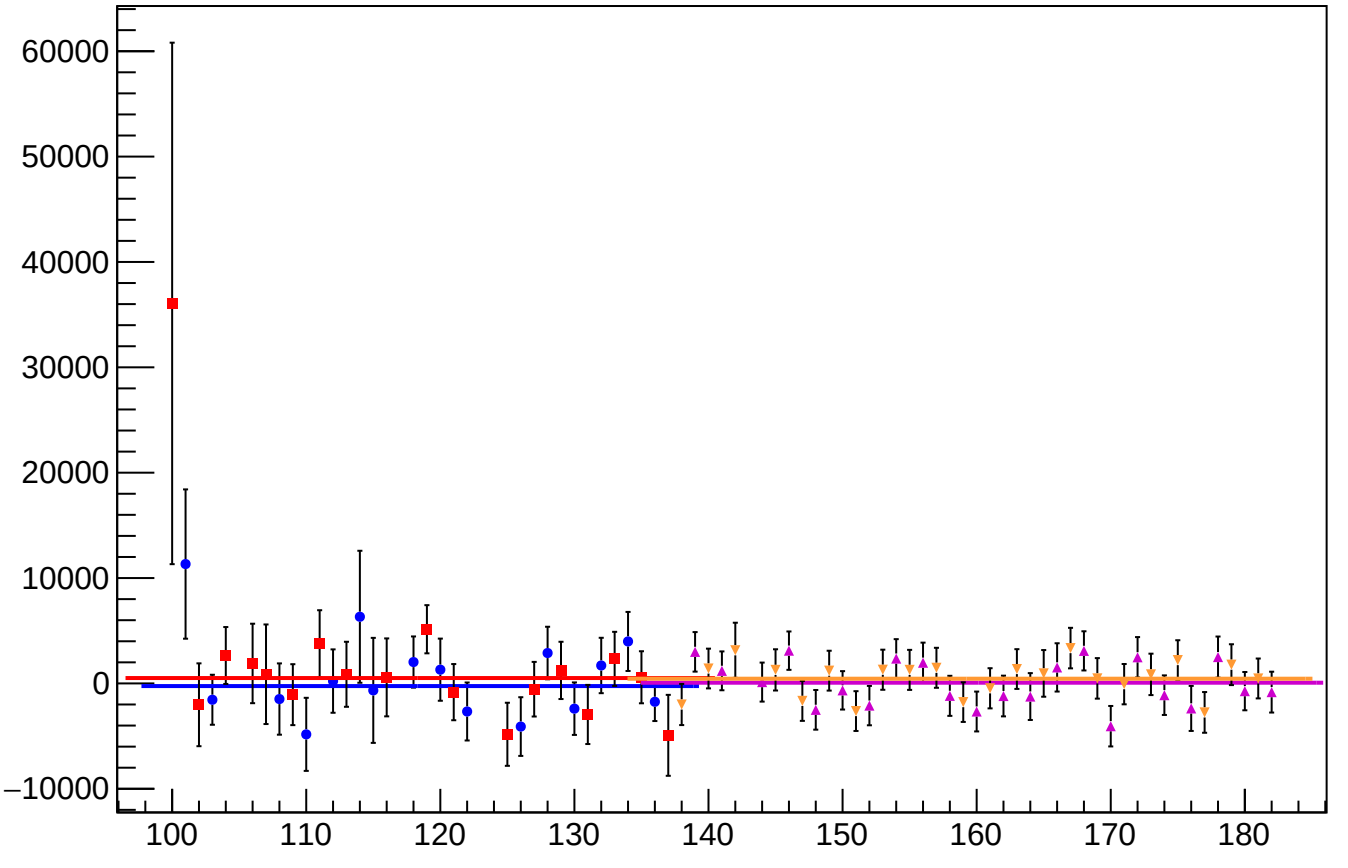
Left: 906.810+/-0.108 χ^2/NDF: 908983.4/43

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 973.701+/-0.142 χ^2/NDF:3054770.9/37

Out: 979.114+/-0.145 χ^2/NDF:3274102.4/39

All: 976.348+/-0.101 χ^2/NDF: 6329586.7/77



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 447.823+/-414.117 χ^2/NDF:16.2/21

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 66.297+/-408.380 χ^2/NDF:27.7/21

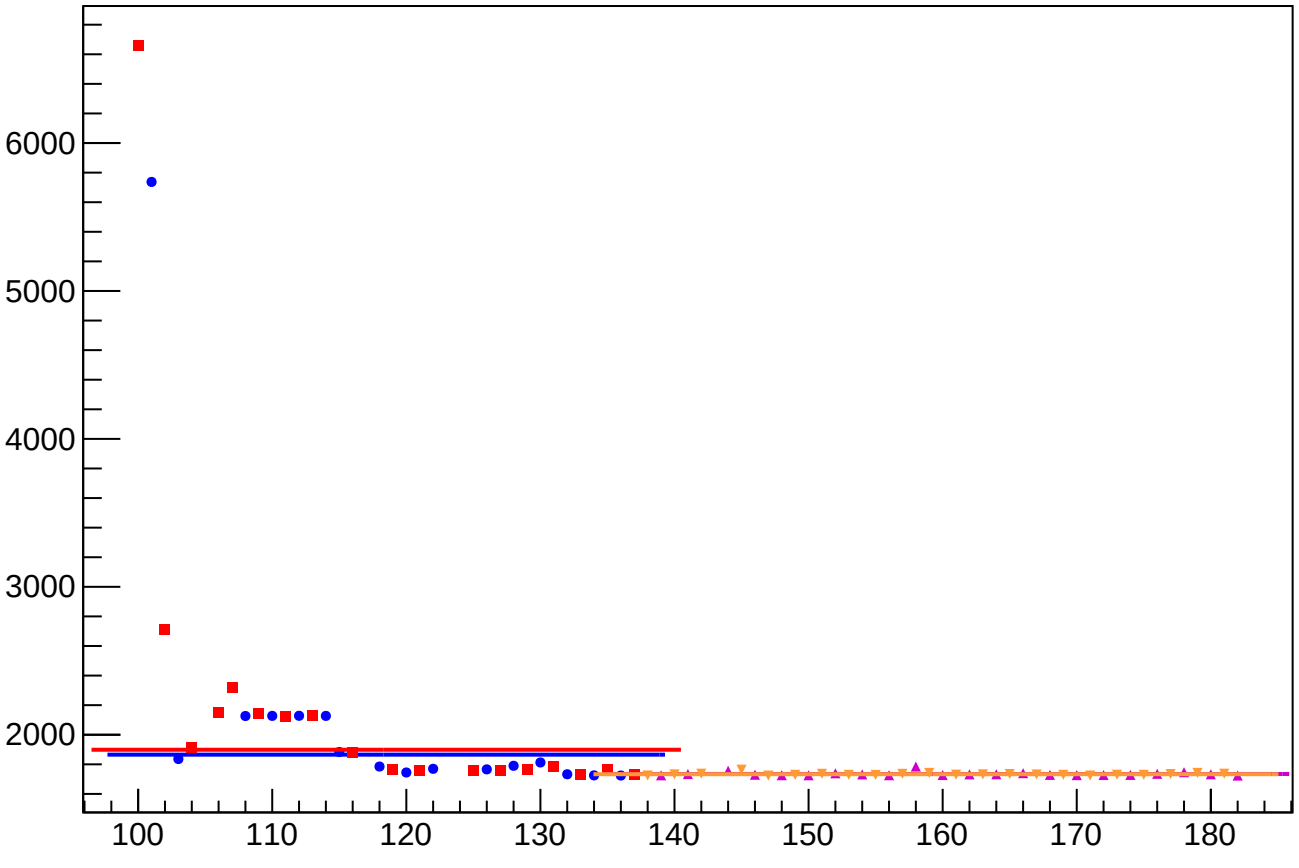
Left: 254.399+/-290.775 χ^2/NDF: 44.4/43

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: -12.840+/-353.996 χ^2/NDF:43.5/37

Out: 463.457+/-358.407 χ^2/NDF:32.6/39

All: 222.360+/-251.858 χ^2/NDF: 77.1/77



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.174+/-0.293 χ^2/NDF:783.9/21

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.815+/-0.289 χ^2/NDF:2171.3/21

Left: 1734.006+/-0.206 χ^2/NDF: 2971.1/43

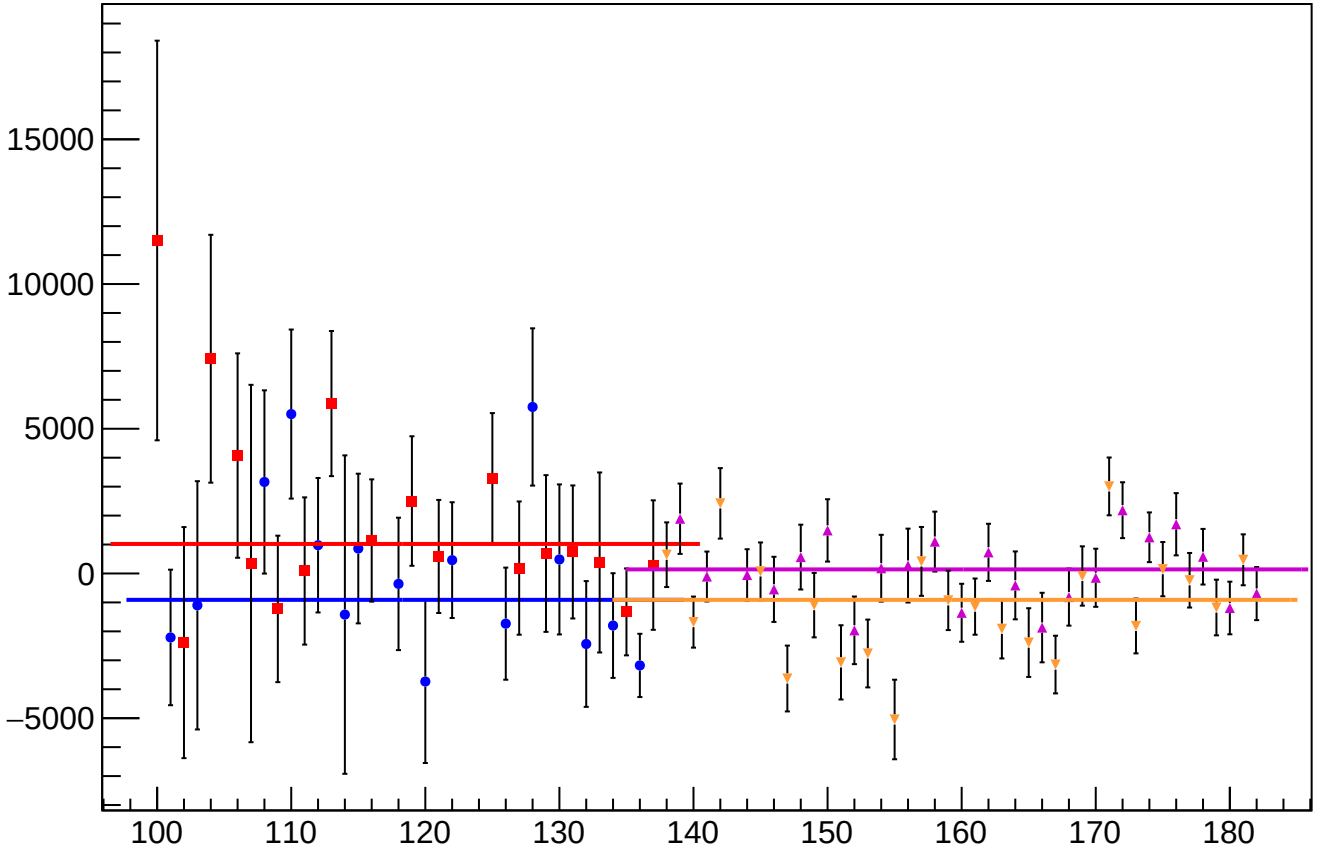
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1767.289+/-0.250 χ^2/NDF:728031.2/37

Out: 1774.690+/-0.253 χ^2/NDF:349989.6/39

All: 1770.944+/-0.178 χ^2/NDF: 1078452.5/77

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: -911.420+/-221.978 χ^2/NDF:61.4/21

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 140.721+/-218.238 χ^2/NDF:26.5/21

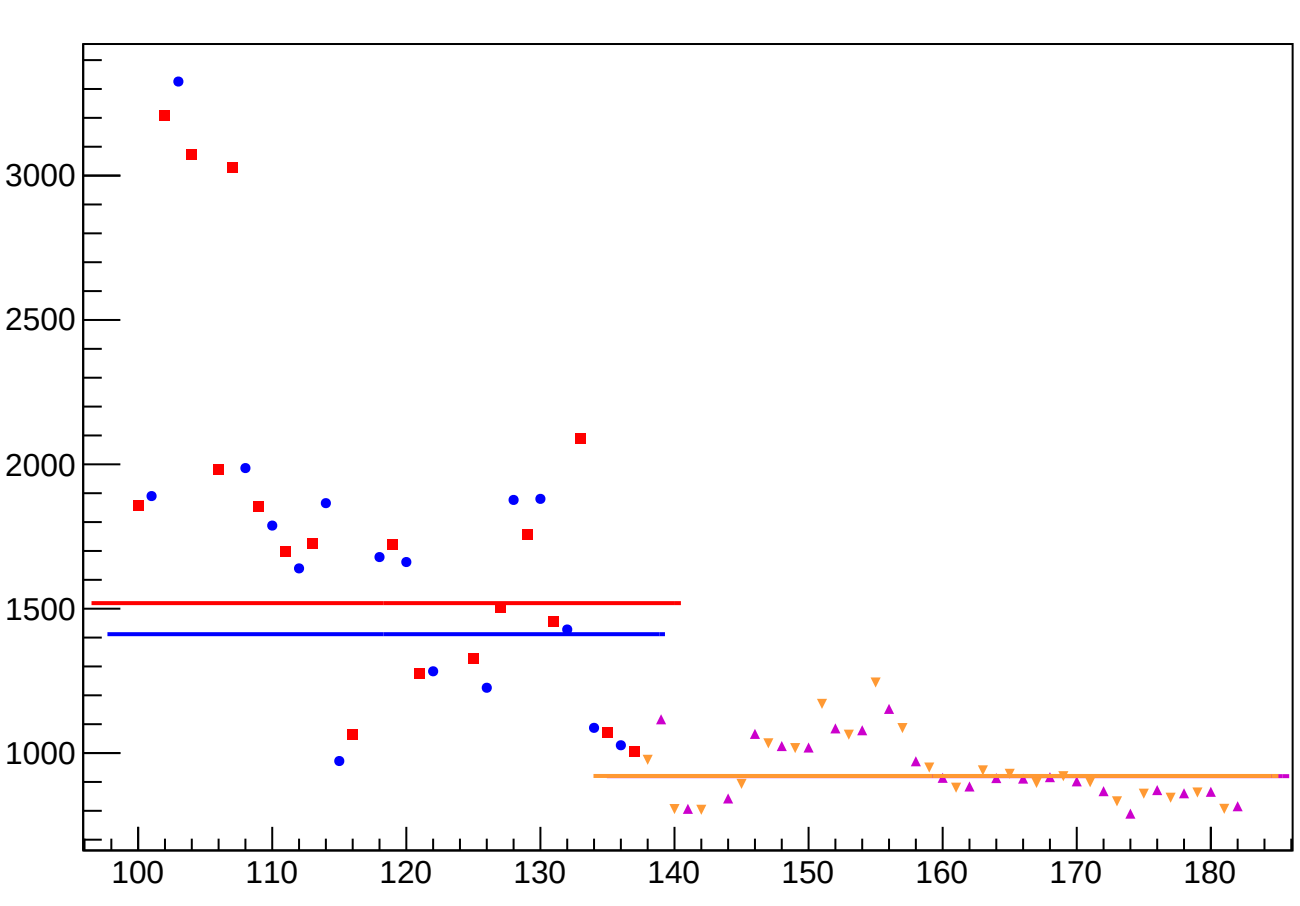
Left: -376.411+/-155.623 χ^2/NDF: 99.3/43

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -1.963+/-202.894 χ^2/NDF:50.6/37

Out: -673.043+/-207.830 χ^2/NDF:85.7/39

All: -329.439+/-145.182 χ^2/NDF: 141.7/77



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 920.692+/-0.157 χ^2/NDF:436170.0/21

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 920.036+/-0.154 χ^2/NDF:419443.2/21

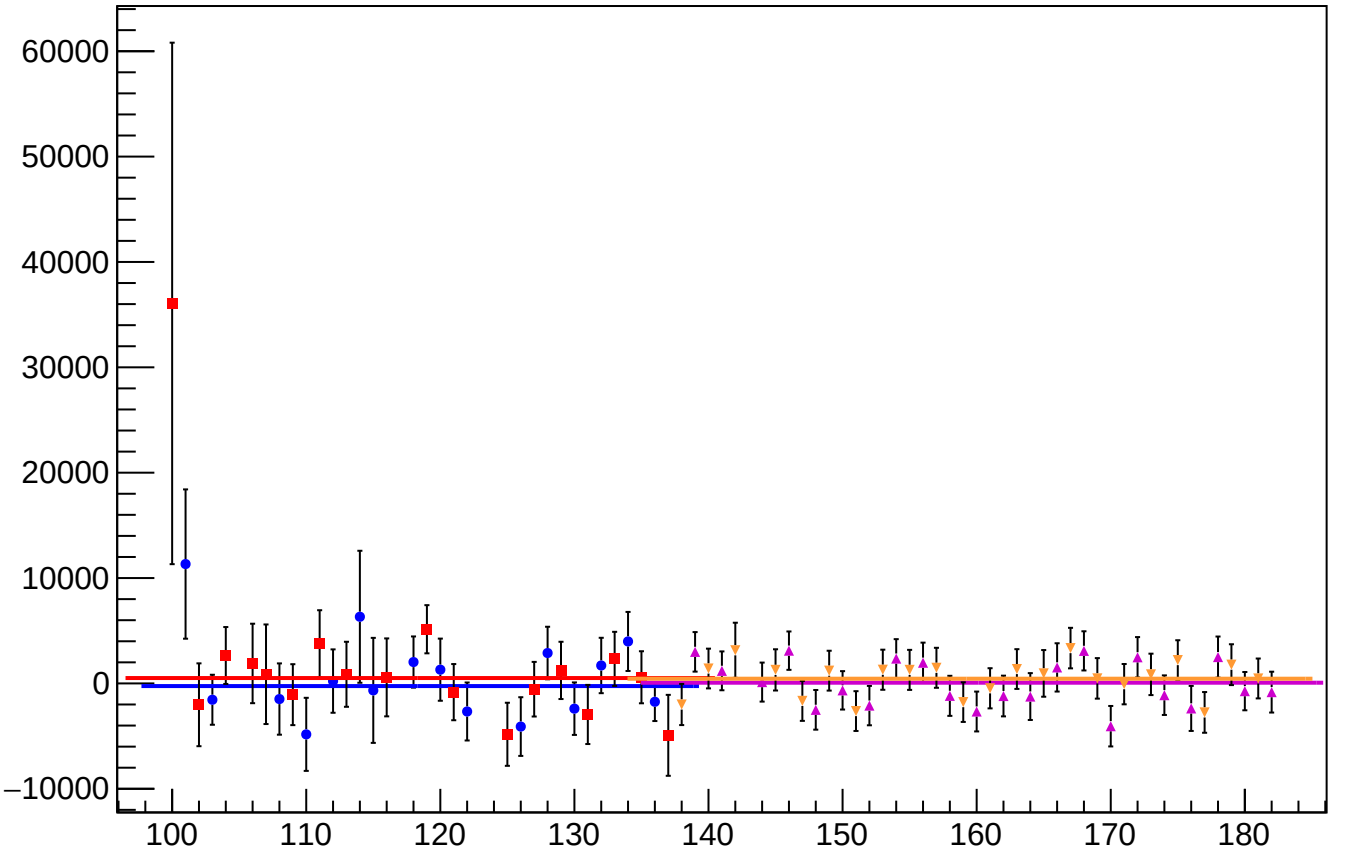
Left: 920.358+/-0.110 χ^2/NDF: 855622.1/43

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 986.748+/-0.143 χ^2/NDF:2974666.7/37

Out: 994.569+/-0.147 χ^2/NDF:3591301.7/39

All: 990.564+/-0.103 χ^2/NDF: 6567418.2/77



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 447.823+/-414.117 χ^2/NDF:16.2/21

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 66.298+/-408.380 χ^2/NDF:27.7/21

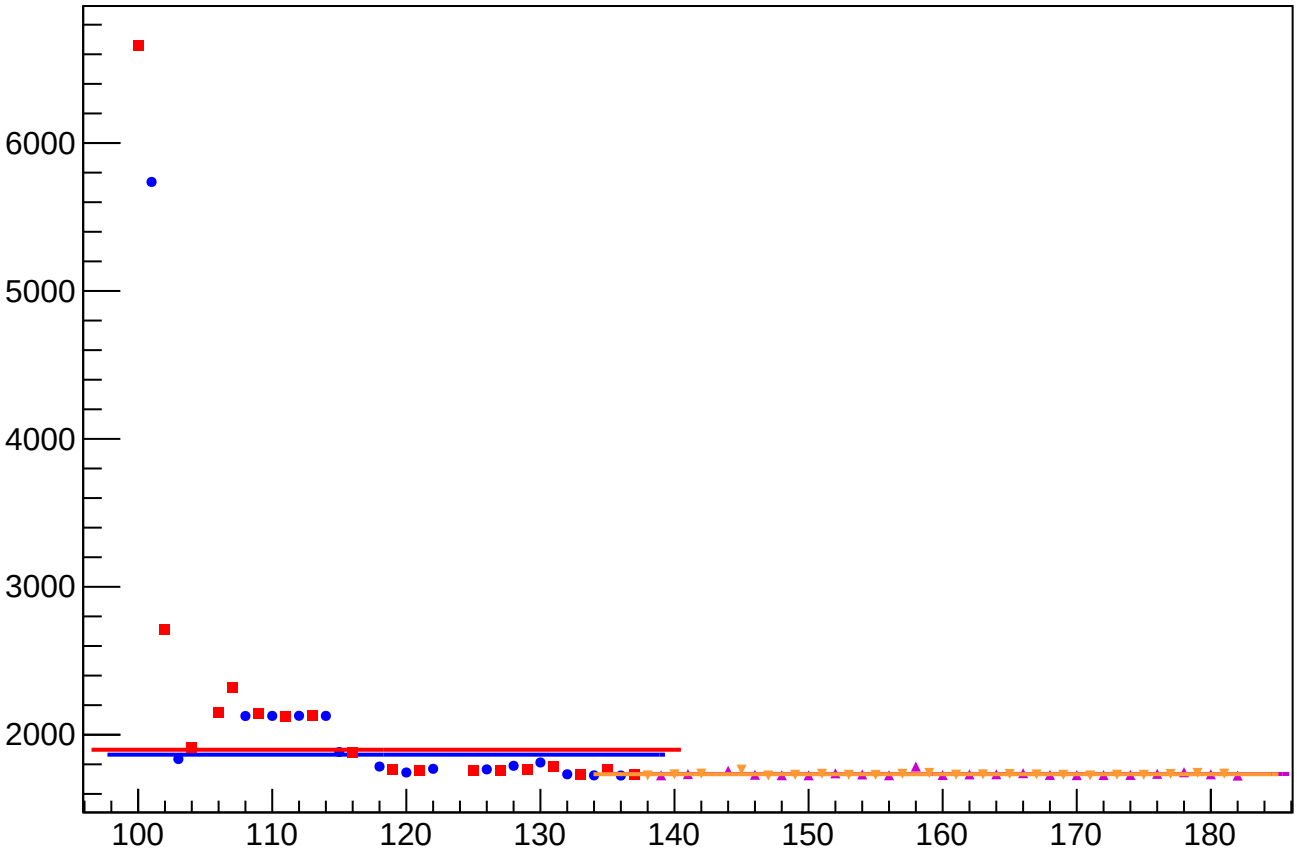
Left: 254.399+/-290.775 χ^2/NDF: 44.4/43

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: -12.839+/-353.996 χ^2/NDF:43.5/37

Out: 463.456+/-358.407 χ^2/NDF:32.6/39

All: 222.360+/-251.858 χ^2/NDF: 77.1/77



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.174+/-0.293 χ^2/NDF:783.9/21

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1734.815+/-0.289 χ^2/NDF:2171.3/21

Left: 1734.006+/-0.206 χ^2/NDF: 2971.1/43

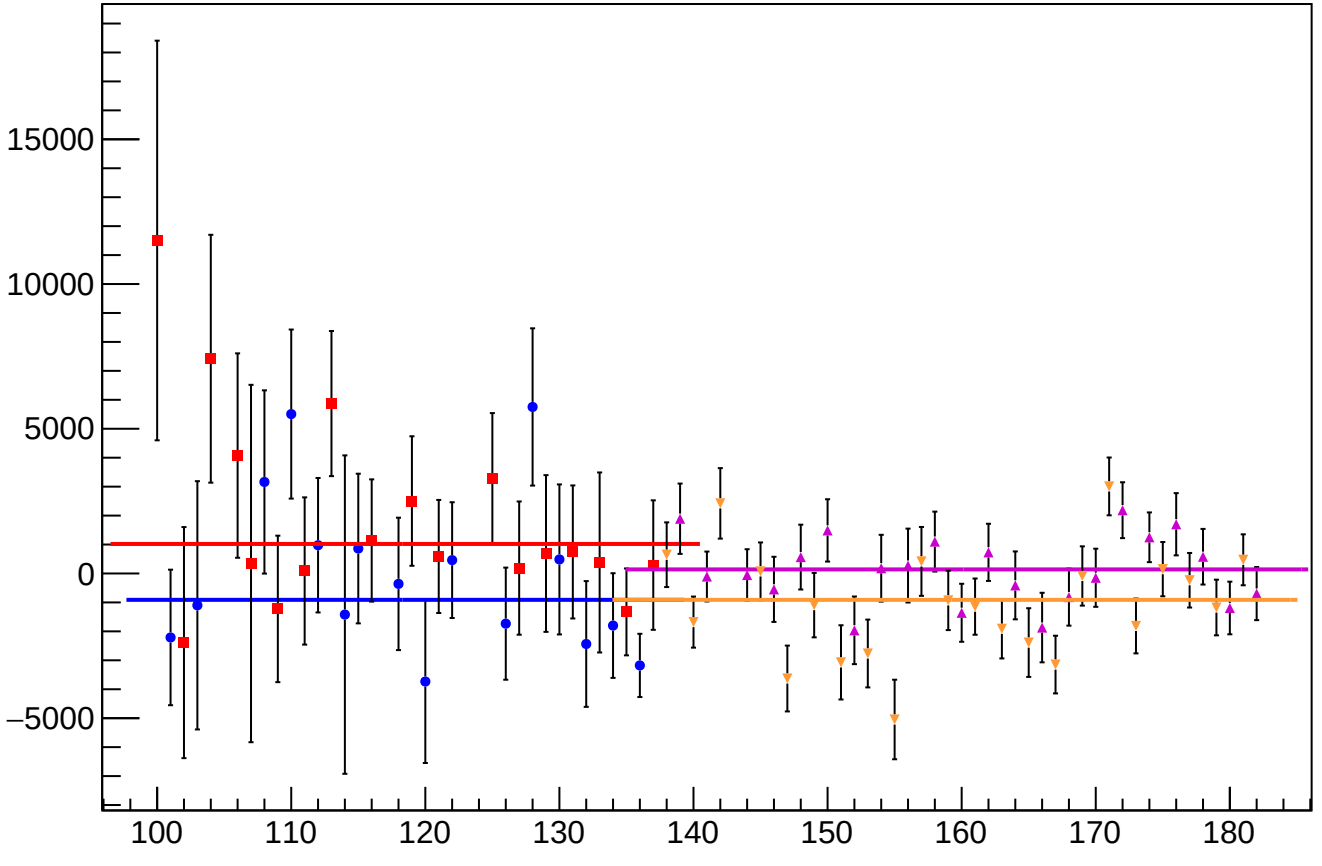
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1767.289+/-0.250 χ^2/NDF:728031.2/37

Out: 1774.690+/-0.253 χ^2/NDF:349989.3/39

All: 1770.944+/-0.178 χ^2/NDF: 1078452.2/77

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: -911.419+/-221.978 χ^2/NDF:61.4/21

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 140.720+/-218.238 χ^2/NDF:26.5/21

Left: -376.411+/-155.623 χ^2/NDF: 99.3/43

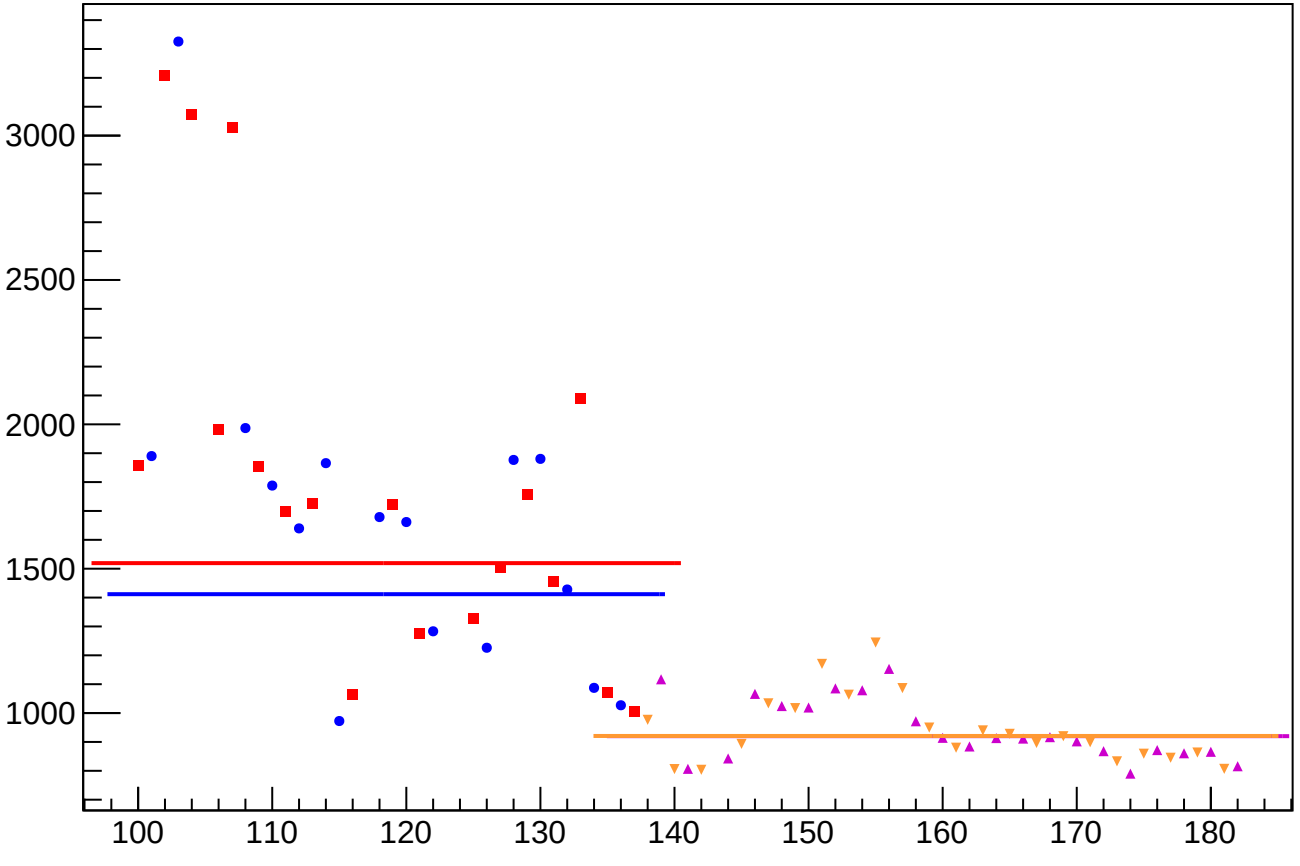
Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -1.964+/-202.894 χ^2/NDF:50.6/37

Out: -673.042+/-207.830 χ^2/NDF:85.7/39

All: -329.439+/-145.181 χ^2/NDF: 141.7/77

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 920.692+/-0.157 χ^2/NDF:436177.4/21

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 920.036+/-0.154 χ^2/NDF:419453.6/21

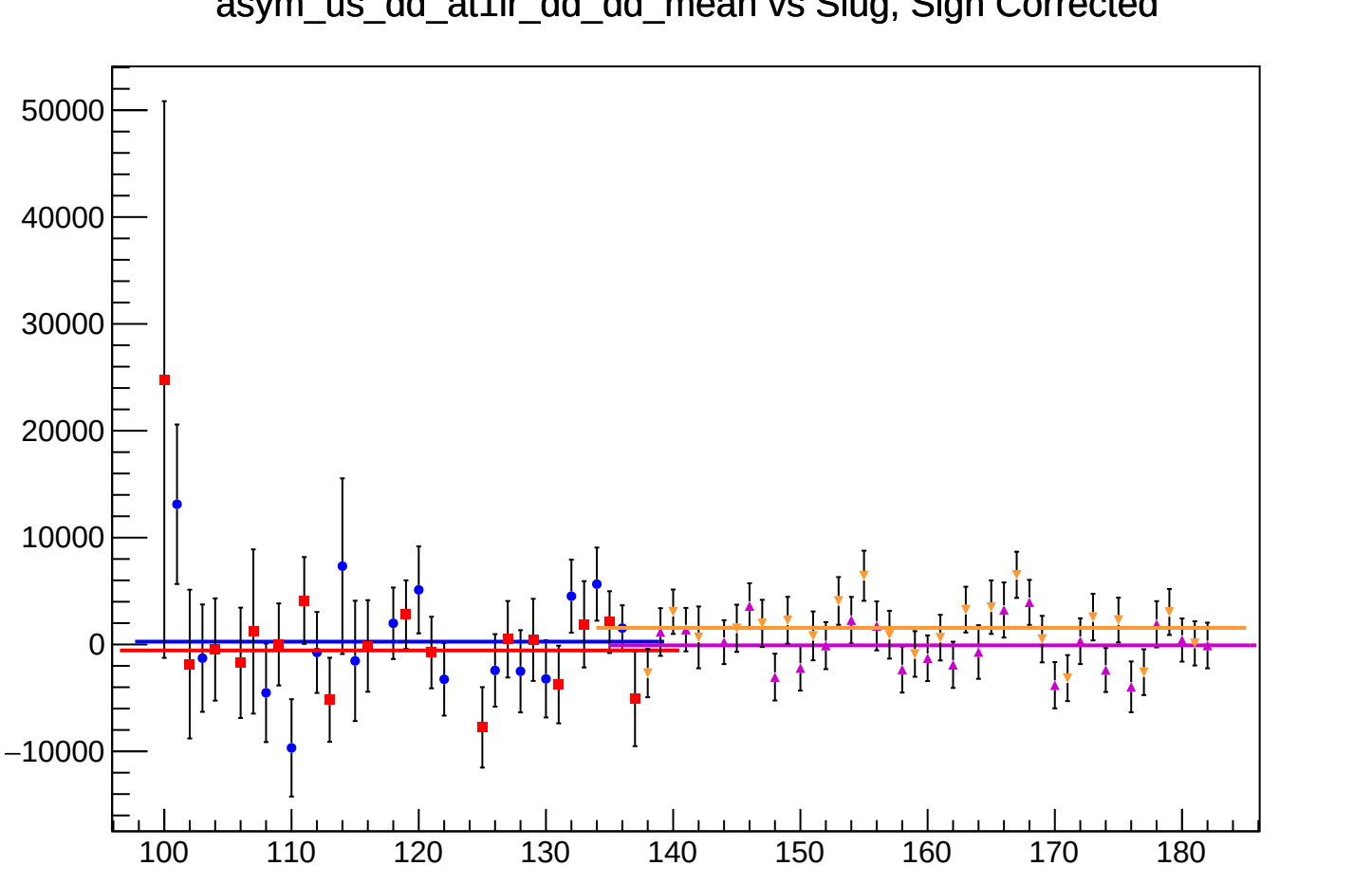
Left: 920.358+/-0.110 χ^2/NDF: 855639.9/43

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 986.748+/-0.143 χ^2/NDF:2974667.3/37

Out: 994.568+/-0.147 χ^2/NDF:3591303.6/39

All: 990.564+/-0.103 χ^2/NDF: 6567420.9/77



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1553.468+/-471.386 χ^2/NDF:28.1/21

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: -83.048+/-464.019 χ^2/NDF:23.8/21

Left: 722.323+/-330.685 χ^2/NDF: 58.0/43

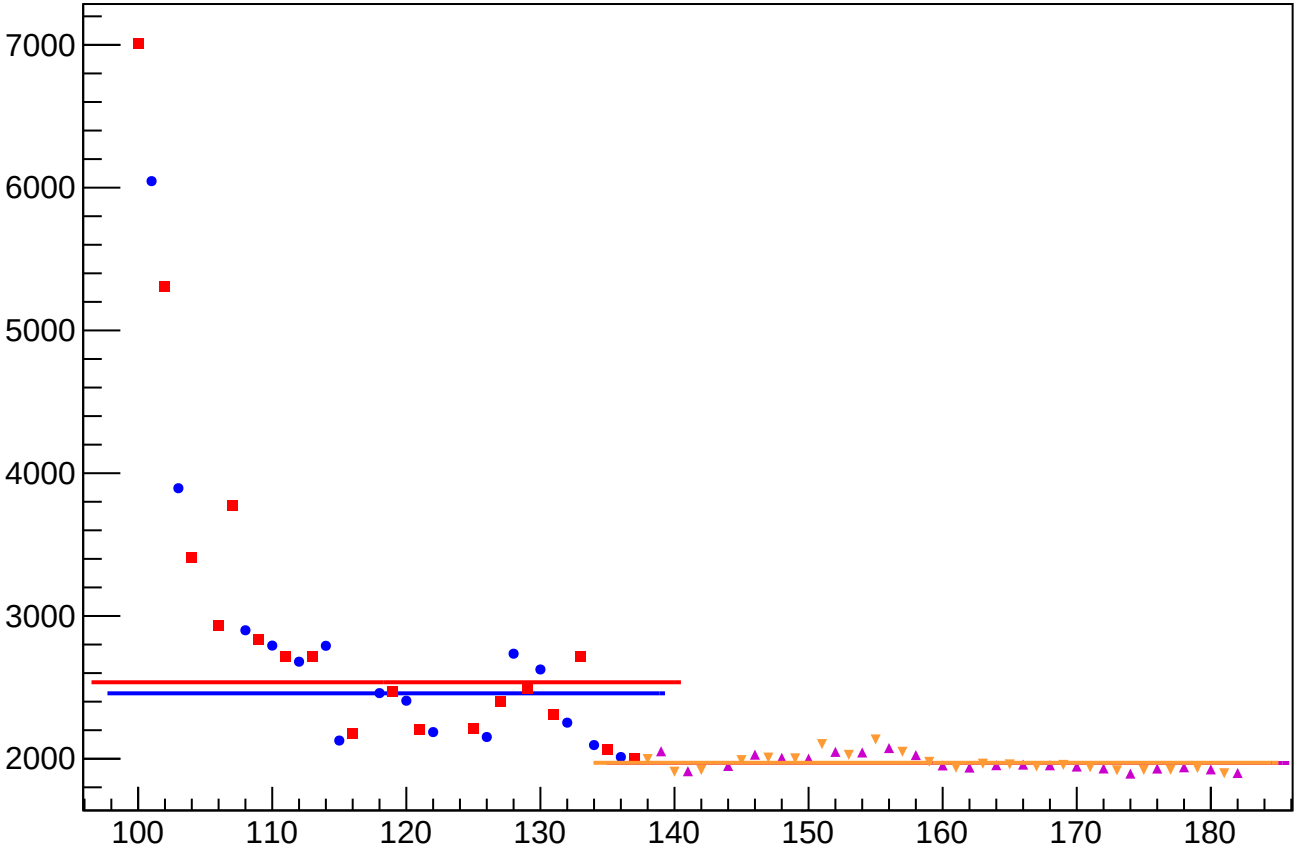
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: -15.205+/-416.256 χ^2/NDF:42.9/37

Out: 1144.725+/-423.379 χ^2/NDF:43.7/39

All: 554.920+/-296.824 χ^2/NDF: 90.5/77

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1971.715+/-0.333 χ^2/NDF:31467.2/21

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1970.320+/-0.328 χ^2/NDF:25630.1/21

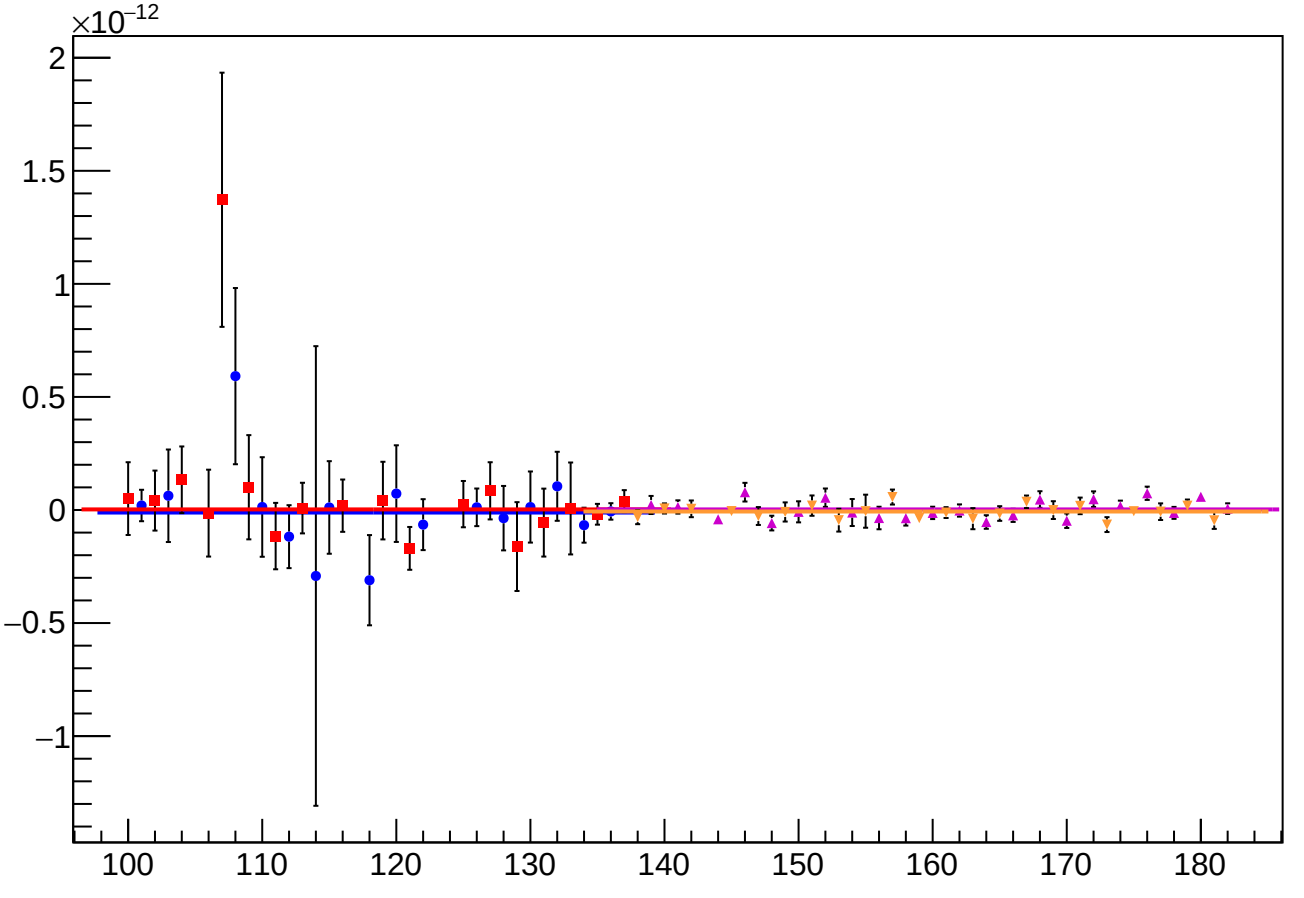
Left: 1971.006+/-0.234 χ^2/NDF: 57106.2/43

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2065.614+/-0.294 χ^2/NDF:1290493.1/37

Out: 2080.756+/-0.299 χ^2/NDF:1258408.6/39

All: 2073.057+/-0.210 χ^2/NDF: 2550202.5/77



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:38.9/21

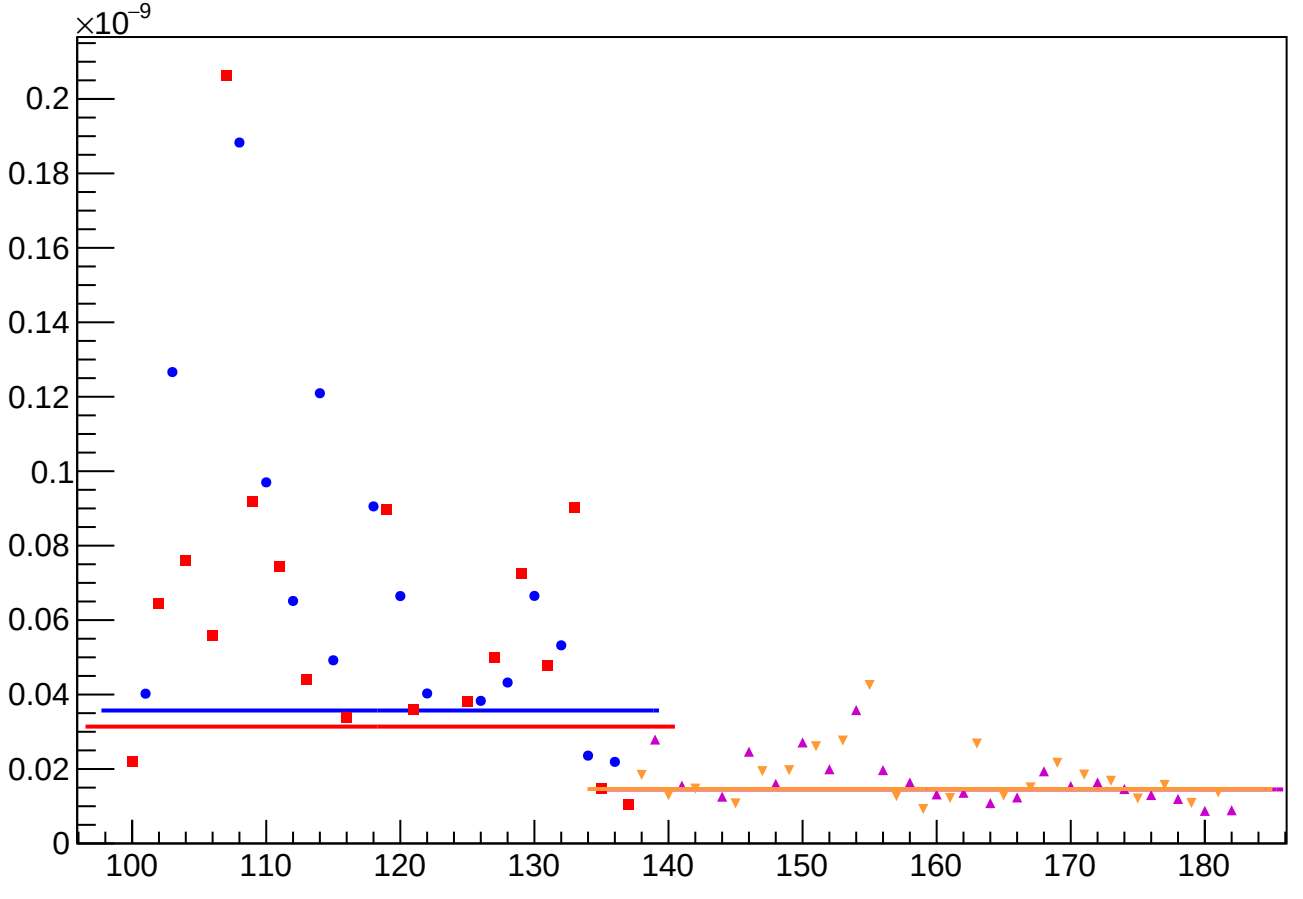
Left: -0.000+/-0.000 χ^2/NDF: 56.1/43

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: 0.000+/-0.000 χ^2/NDF:46.5/37

Out: -0.000+/-0.000 χ^2/NDF:29.6/39

All: -0.000+/-0.000 χ^2/NDF: 76.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1173619.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1209811.6/21

Left: 0.000+/-0.000 χ^2/NDF: 2383725.3/43

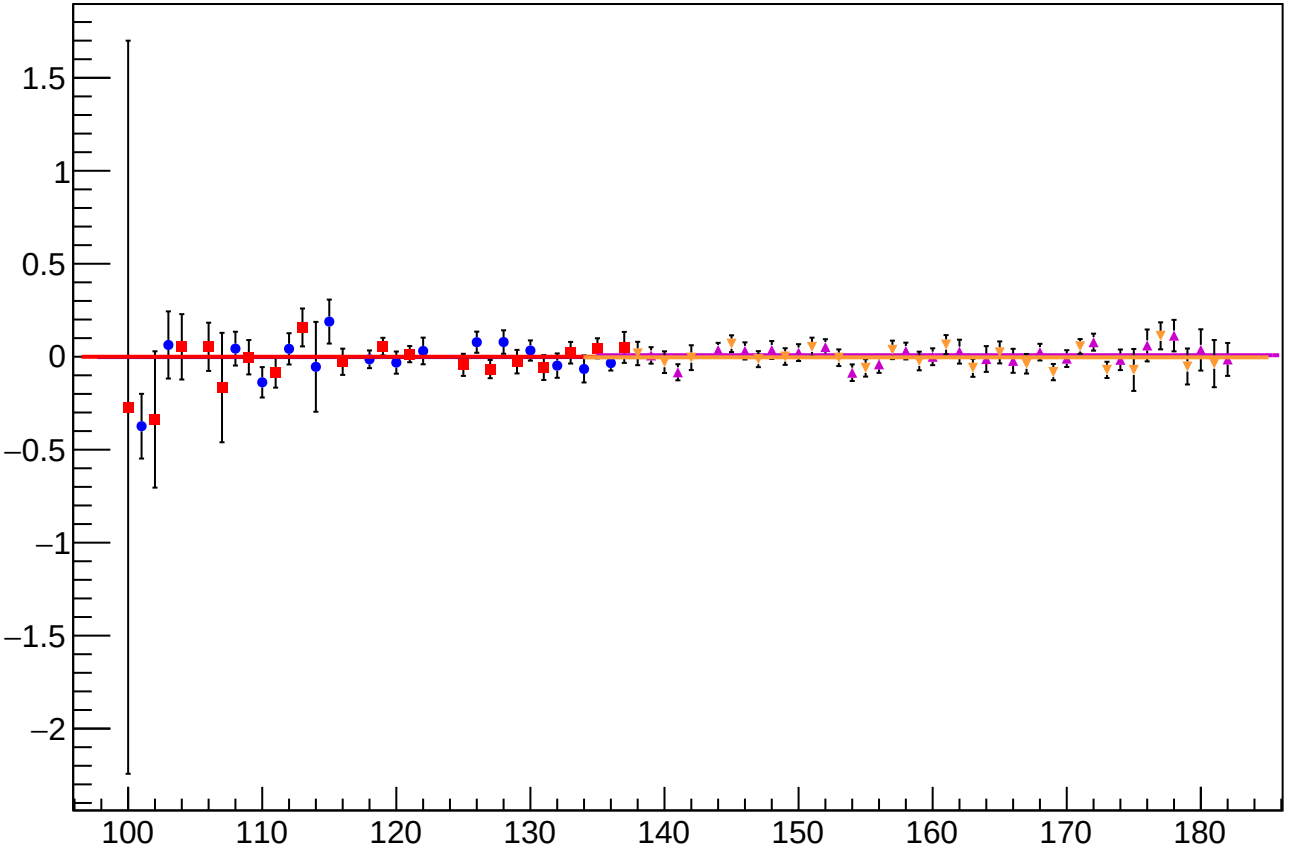
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:4227098.6/37

Out: 0.000+/-0.000 χ^2/NDF:4125091.2/39

All: 0.000+/-0.000 χ^2/NDF: 8352608.2/77

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: -0.003+/-0.011 χ^2/NDF:21.4/21

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.011 χ^2/NDF:17.9/21

Left: 0.003+/-0.008 χ^2/NDF: 39.9/43

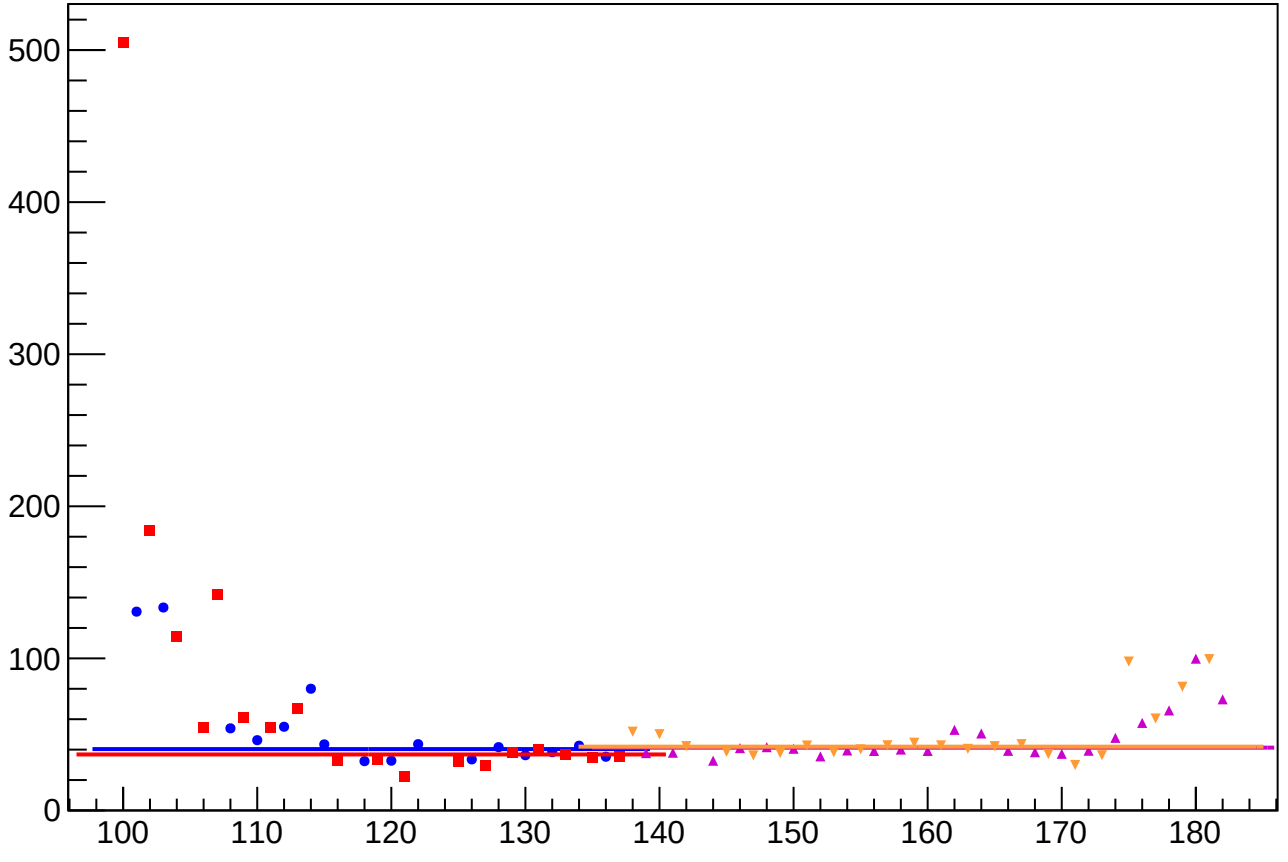
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.3/37

Out: -0.002+/-0.009 χ^2/NDF:32.4/39

All: 0.002+/-0.007 χ^2/NDF: 68.0/77

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: 41.948+/-0.008 χ^2/NDF:1789642.0/21

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 41.290+/-0.008 χ^2/NDF:1385144.4/21

Left: 41.609+/-0.005 χ^2/NDF: 3178373.5/43

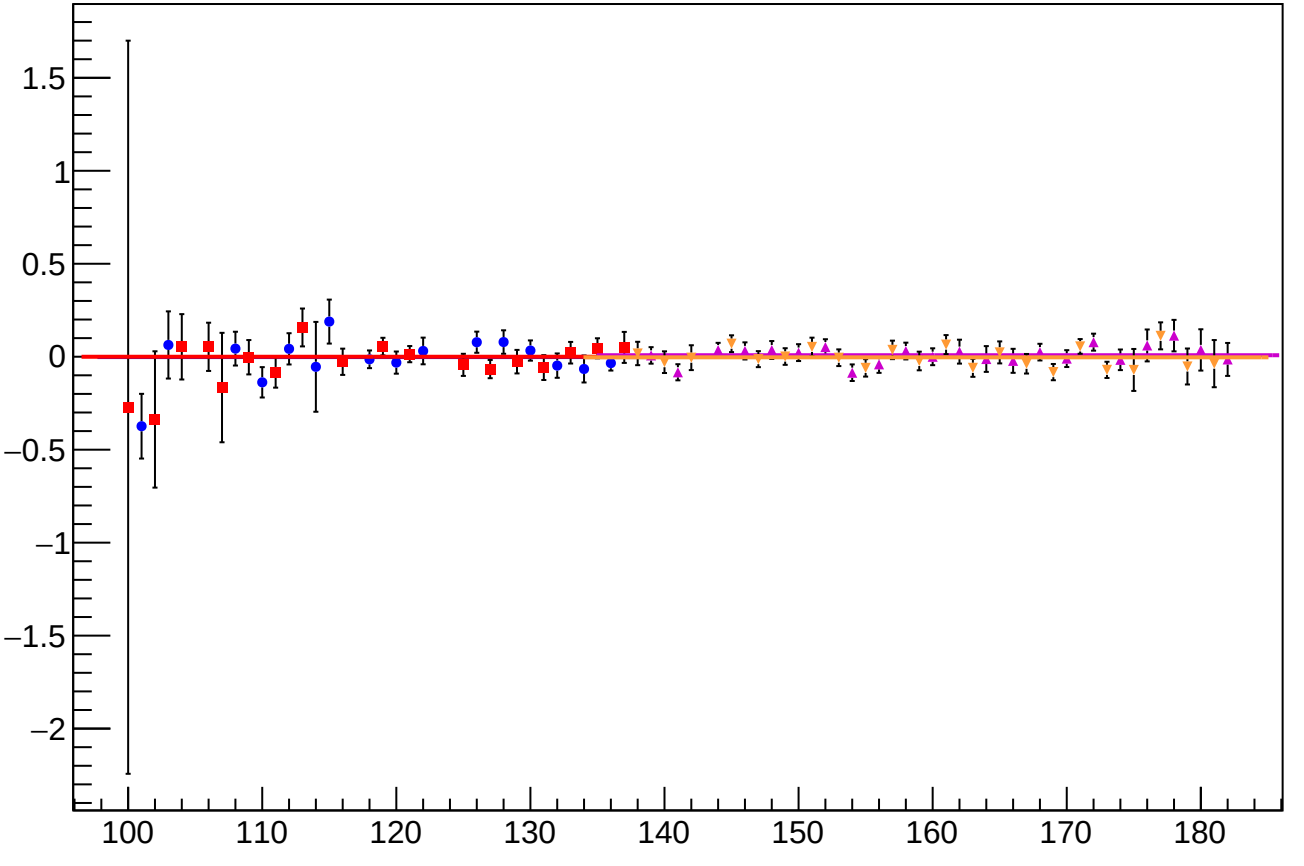
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 41.022+/-0.006 χ^2/NDF:2799595.1/37

Out: 40.364+/-0.007 χ^2/NDF:3757310.1/39

All: 40.698+/-0.005 χ^2/NDF: 6562028.7/77

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: -0.003+/-0.011 χ^2/NDF:21.4/21

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.011 χ^2/NDF:17.9/21

Left: 0.003+/-0.008 χ^2/NDF: 39.9/43

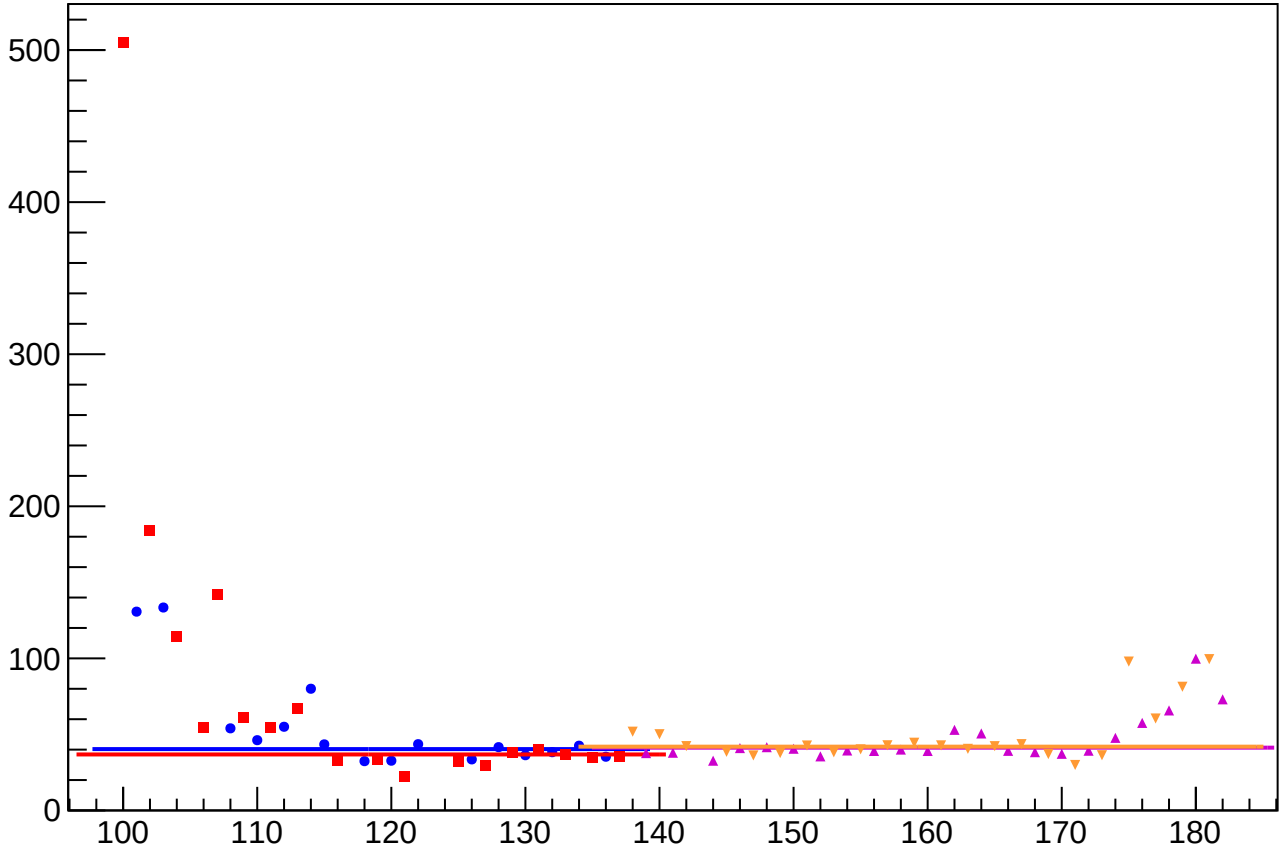
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.3/37

Out: -0.002+/-0.009 χ^2/NDF:32.4/39

All: 0.002+/-0.007 χ^2/NDF: 68.0/77

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: 41.948+/-0.008 χ^2/NDF:1789642.0/21

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 41.290+/-0.008 χ^2/NDF:1385144.4/21

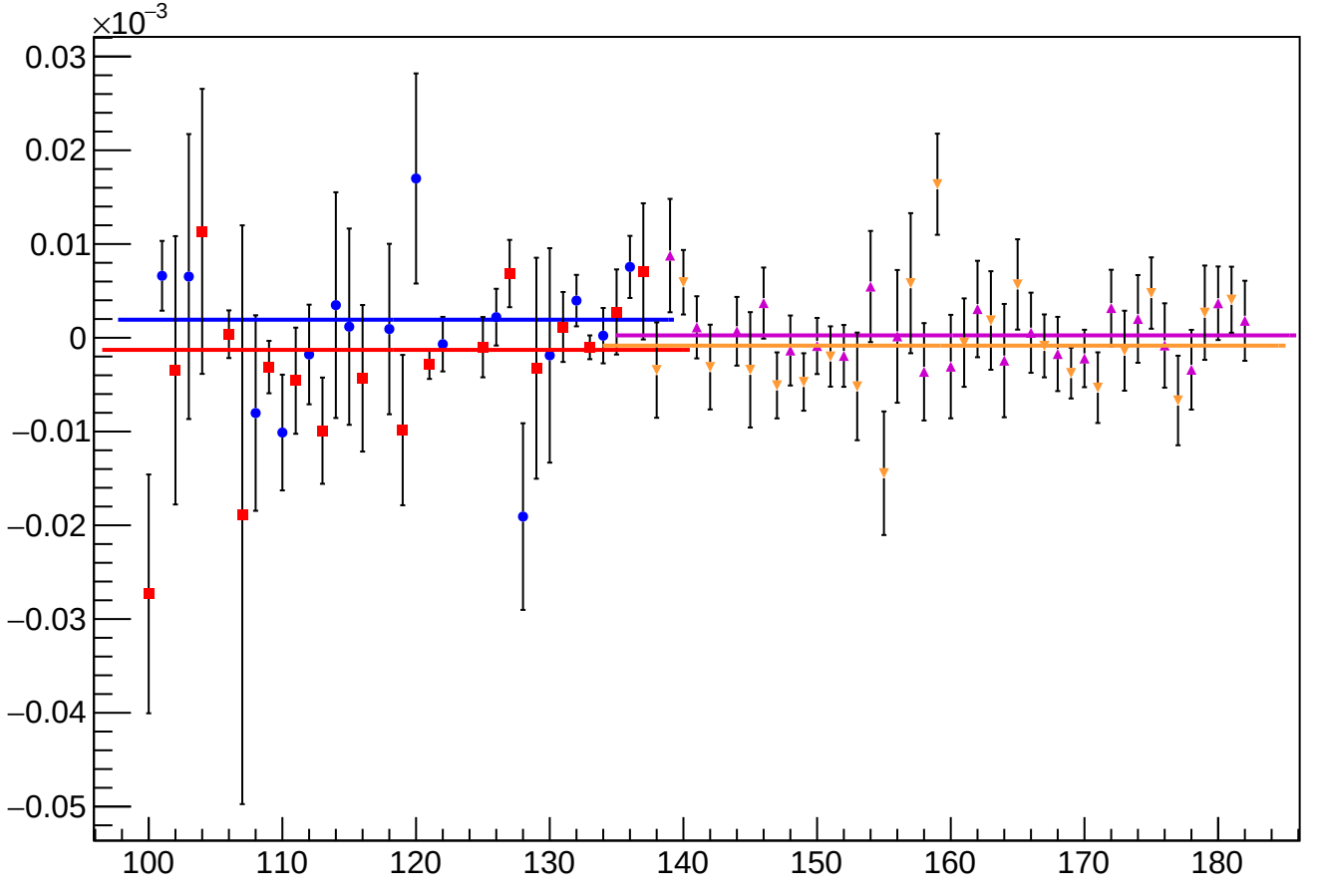
Left: 41.609+/-0.005 χ^2/NDF: 3178373.5/43

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 41.022+/-0.006 χ^2/NDF:2799595.1/37

Out: 40.364+/-0.007 χ^2/NDF:3757310.1/39

All: 40.698+/-0.005 χ^2/NDF: 6562028.7/77



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:9.1/21

Left: -0.000+/-0.000 χ^2/NDF: 44.2/43

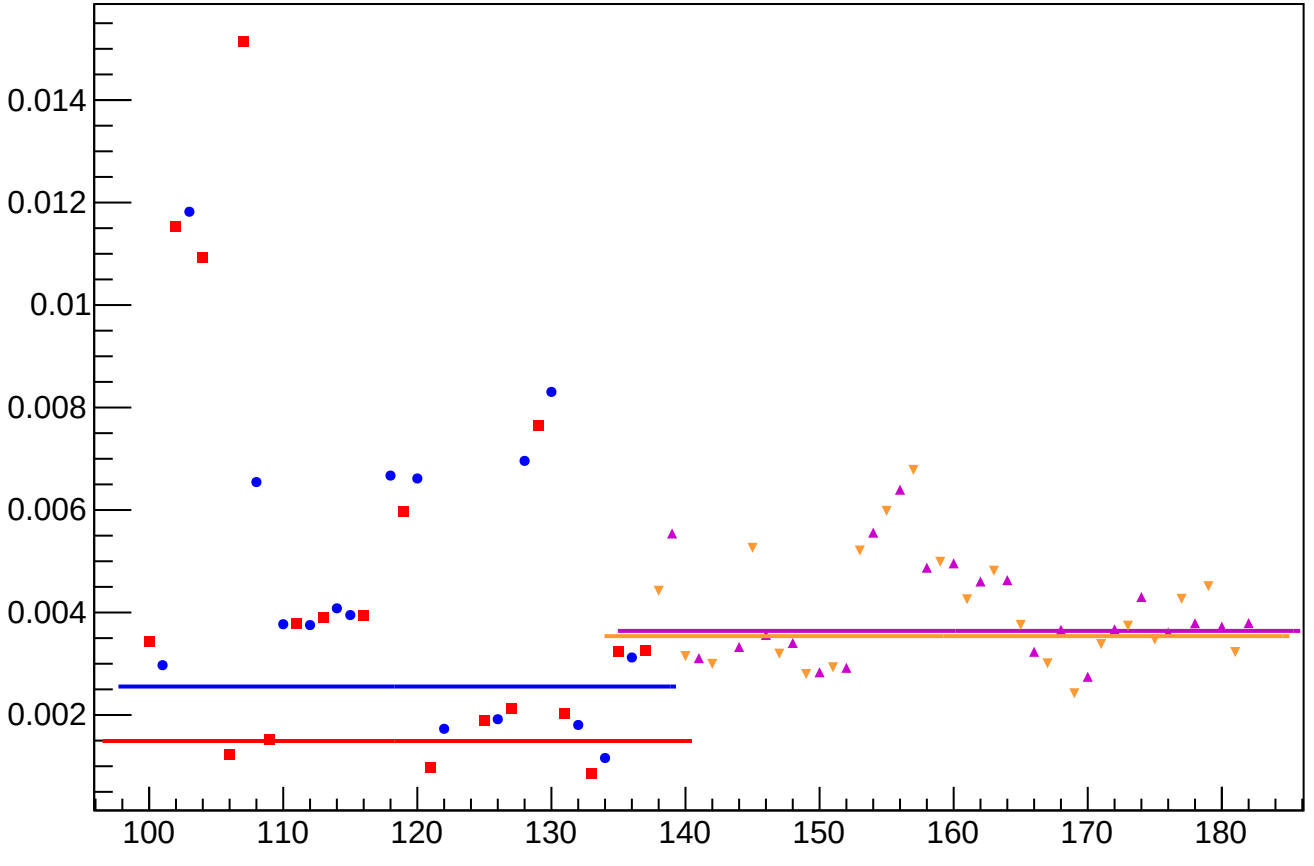
Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:28.3/37

Out: -0.000+/-0.000 χ^2/NDF:53.4/39

All: -0.000+/-0.000 χ^2/NDF: 86.5/77

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:2147719.1/21

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1612044.5/21

Left: 0.004+/-0.000 χ^2/NDF: 3773314.2/43

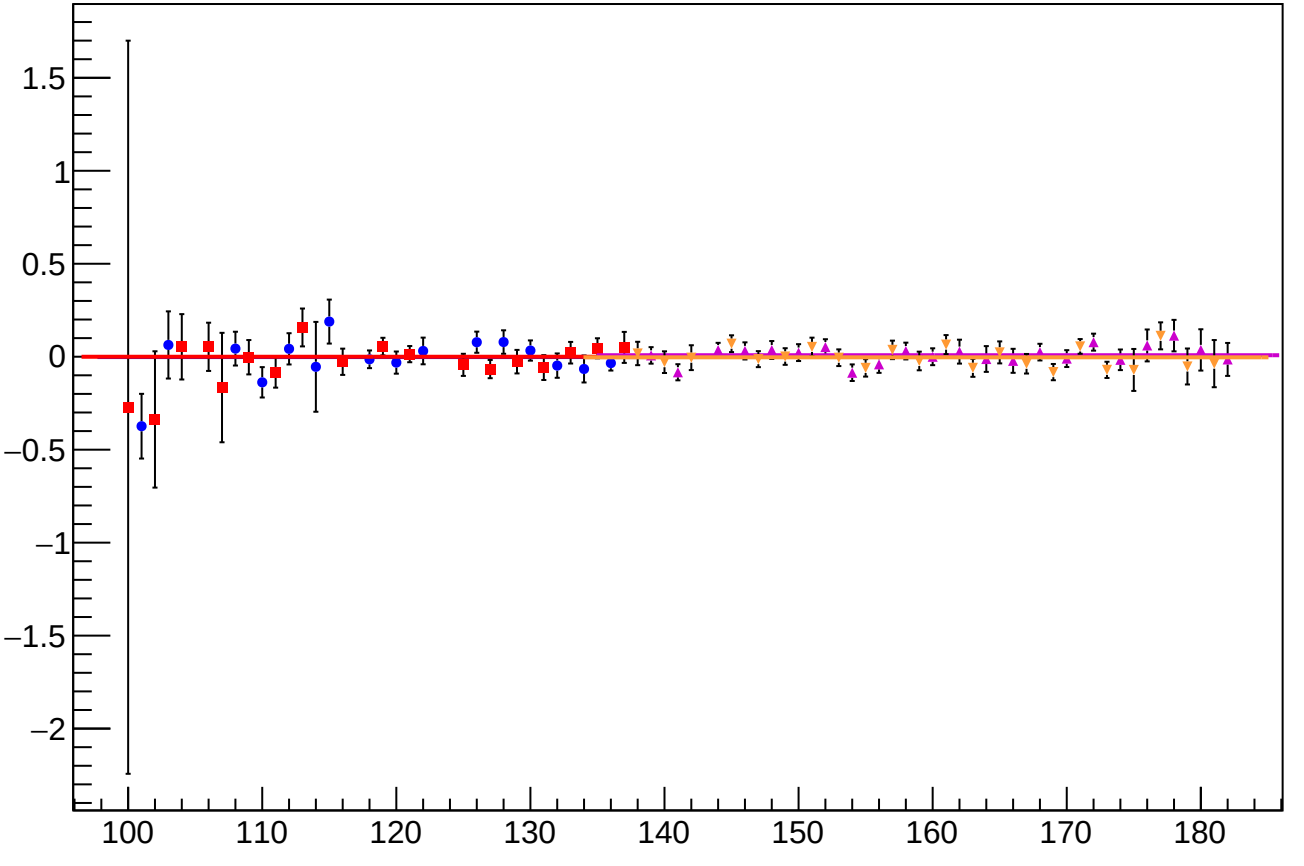
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6524292.8/37

Out: 0.002+/-0.000 χ^2/NDF:13971771.7/39

All: 0.003+/-0.000 χ^2/NDF: 22379049.3/77

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: -0.003+/-0.011 χ^2/NDF:21.4/21

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.011 χ^2/NDF:17.9/21

Left: 0.003+/-0.008 χ^2/NDF: 39.9/43

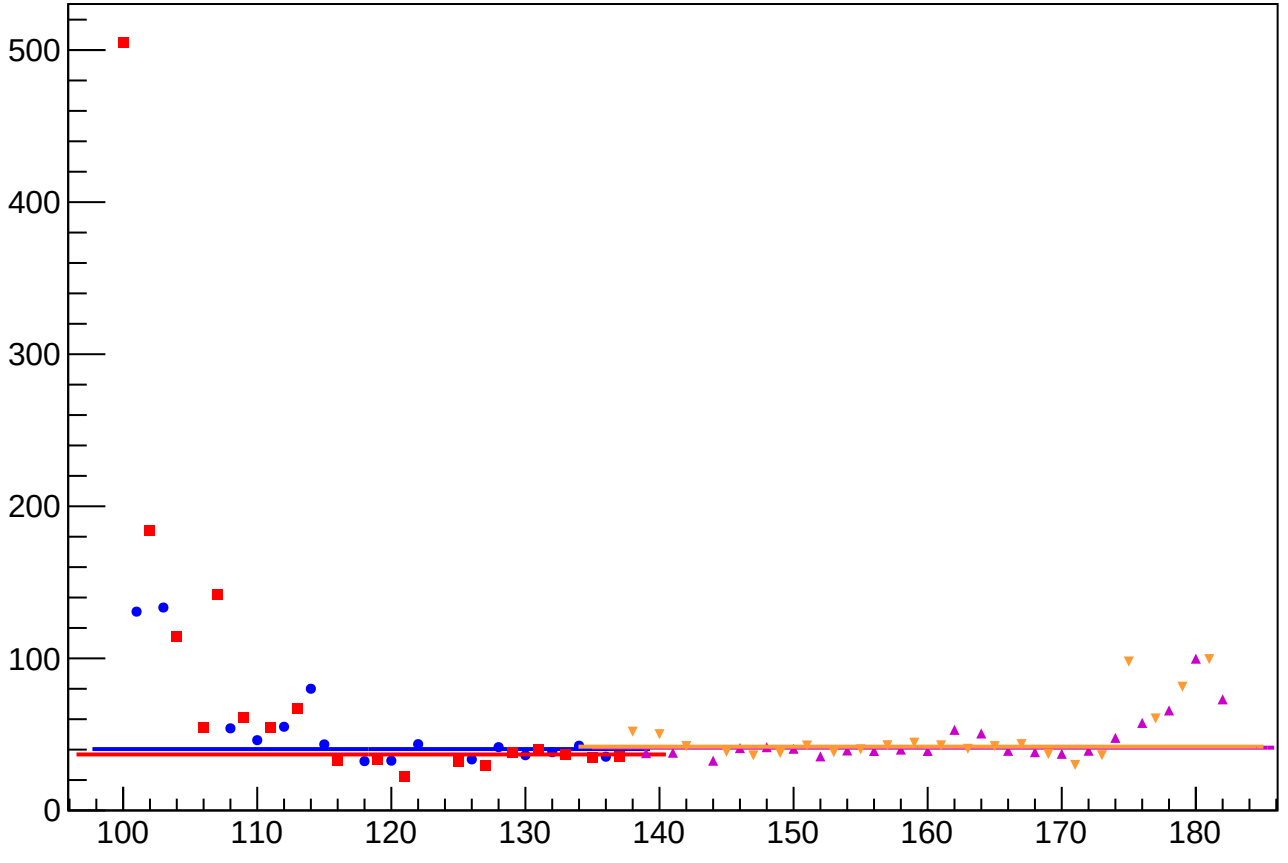
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.3/37

Out: -0.002+/-0.009 χ^2/NDF:32.4/39

All: 0.002+/-0.007 χ^2/NDF: 68.0/77

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: 41.947+/-0.008 χ^2/NDF:1789663.0/21

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 41.290+/-0.008 χ^2/NDF:1385079.4/21

Left: 41.608+/-0.005 χ^2/NDF: 3178328.3/43

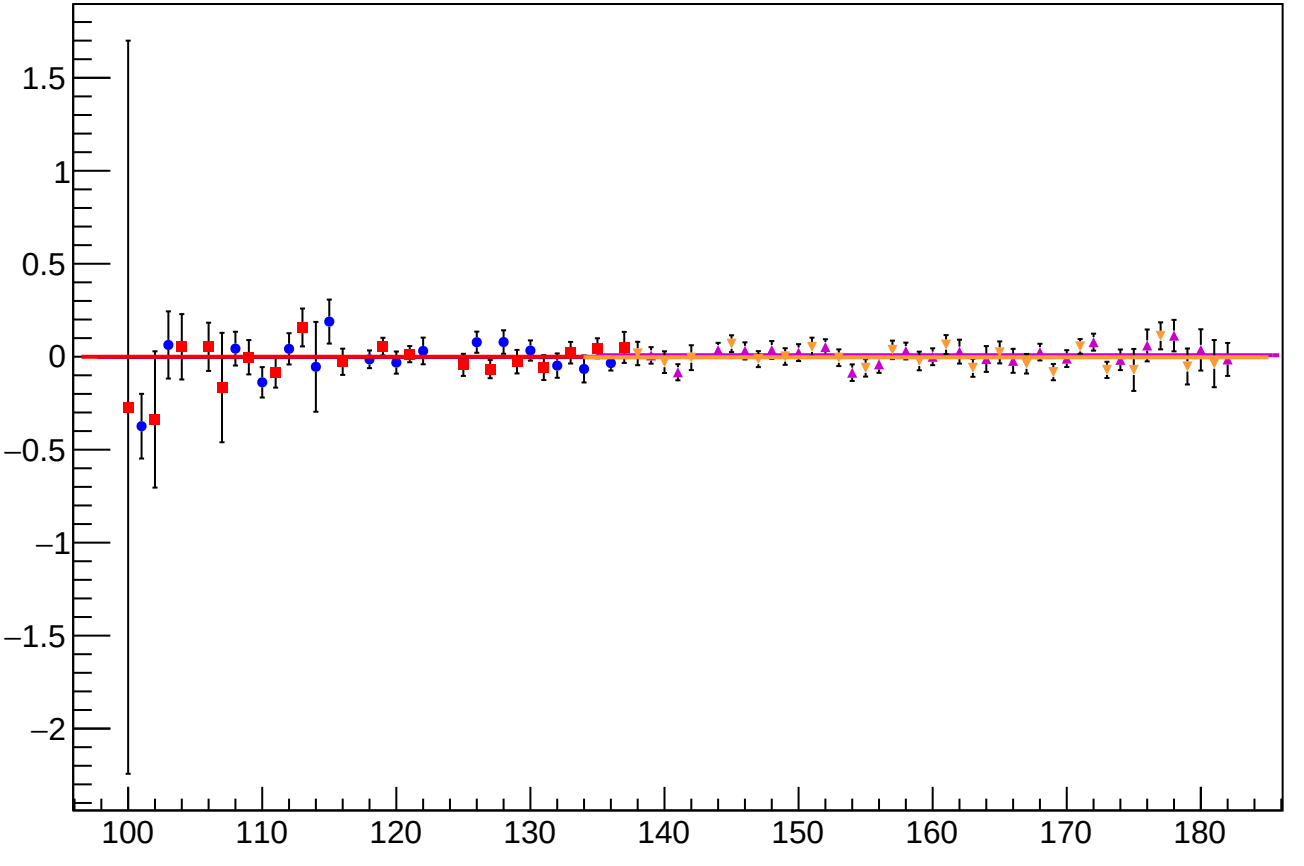
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 41.022+/-0.006 χ^2/NDF:2799423.5/37

Out: 40.363+/-0.007 χ^2/NDF:3757361.0/39

All: 40.698+/-0.005 χ^2/NDF: 6561916.3/77

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: -0.003+/-0.011 χ^2/NDF:21.4/21

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.011 χ^2/NDF:17.9/21

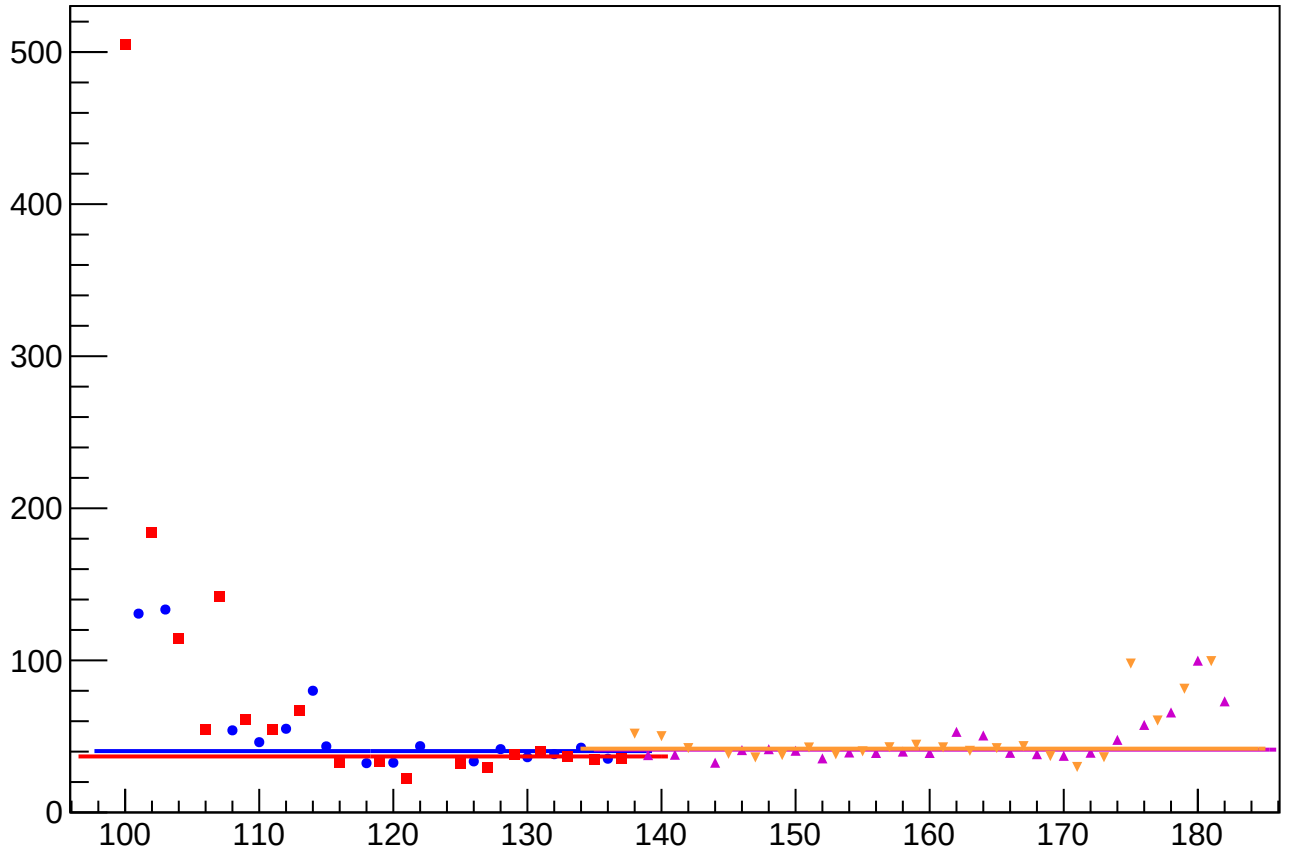
Left: 0.003+/-0.008 χ^2/NDF: 39.9/43

Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.3/37

Out: -0.002+/-0.009 χ^2/NDF:32.4/39

All: 0.002+/-0.007 χ^2/NDF: 68.0/77



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.947+/-0.008 χ^2/NDF:1789663.0/21

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 41.290+/-0.008 χ^2/NDF:1385079.4/21

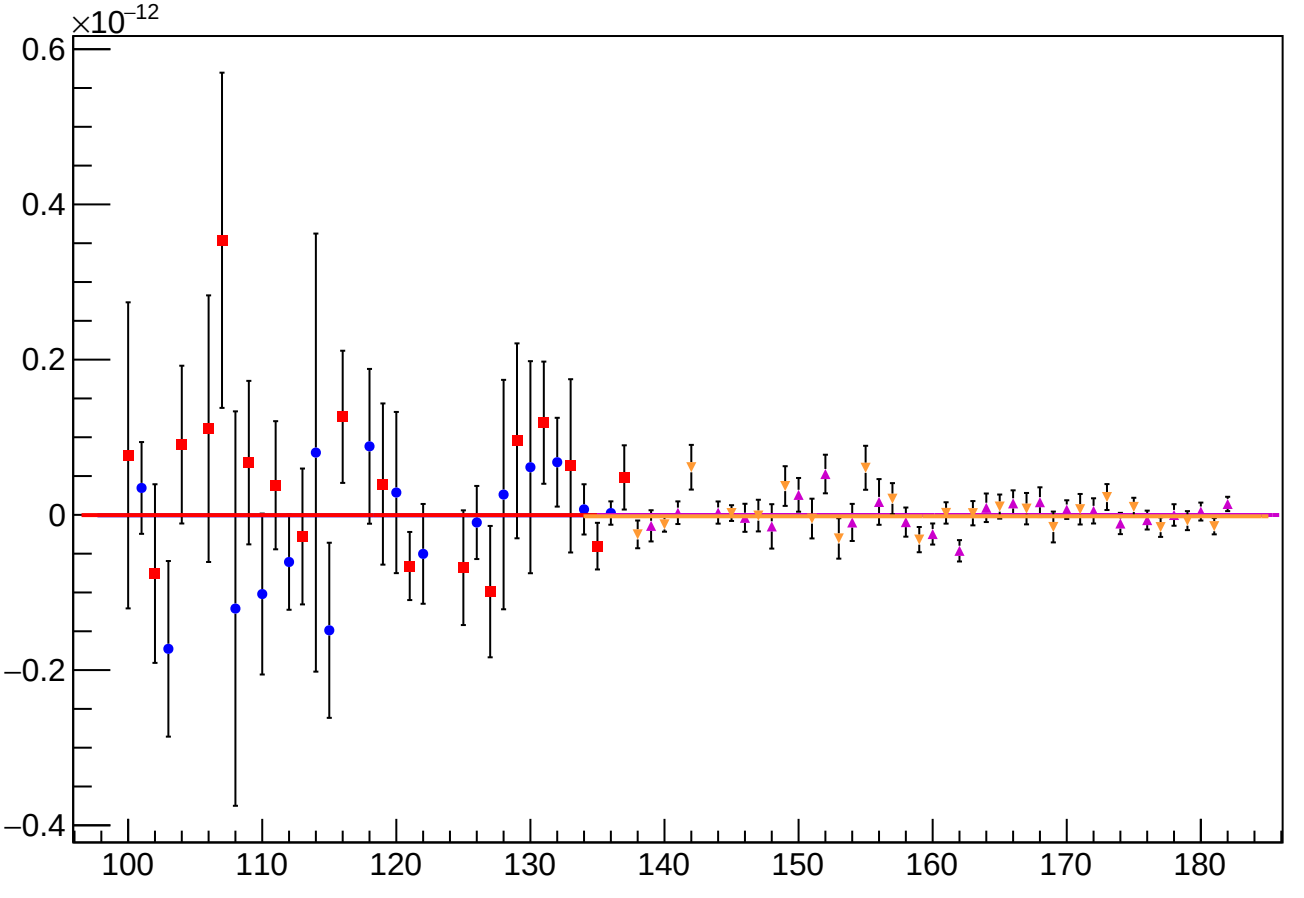
Left: 41.608+/-0.005 χ^2/NDF: 3178328.3/43

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 41.022+/-0.006 χ^2/NDF:2799423.5/37

Out: 40.363+/-0.007 χ^2/NDF:3757361.0/39

All: 40.698+/-0.005 χ^2/NDF: 6561916.3/77



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:27.7/21

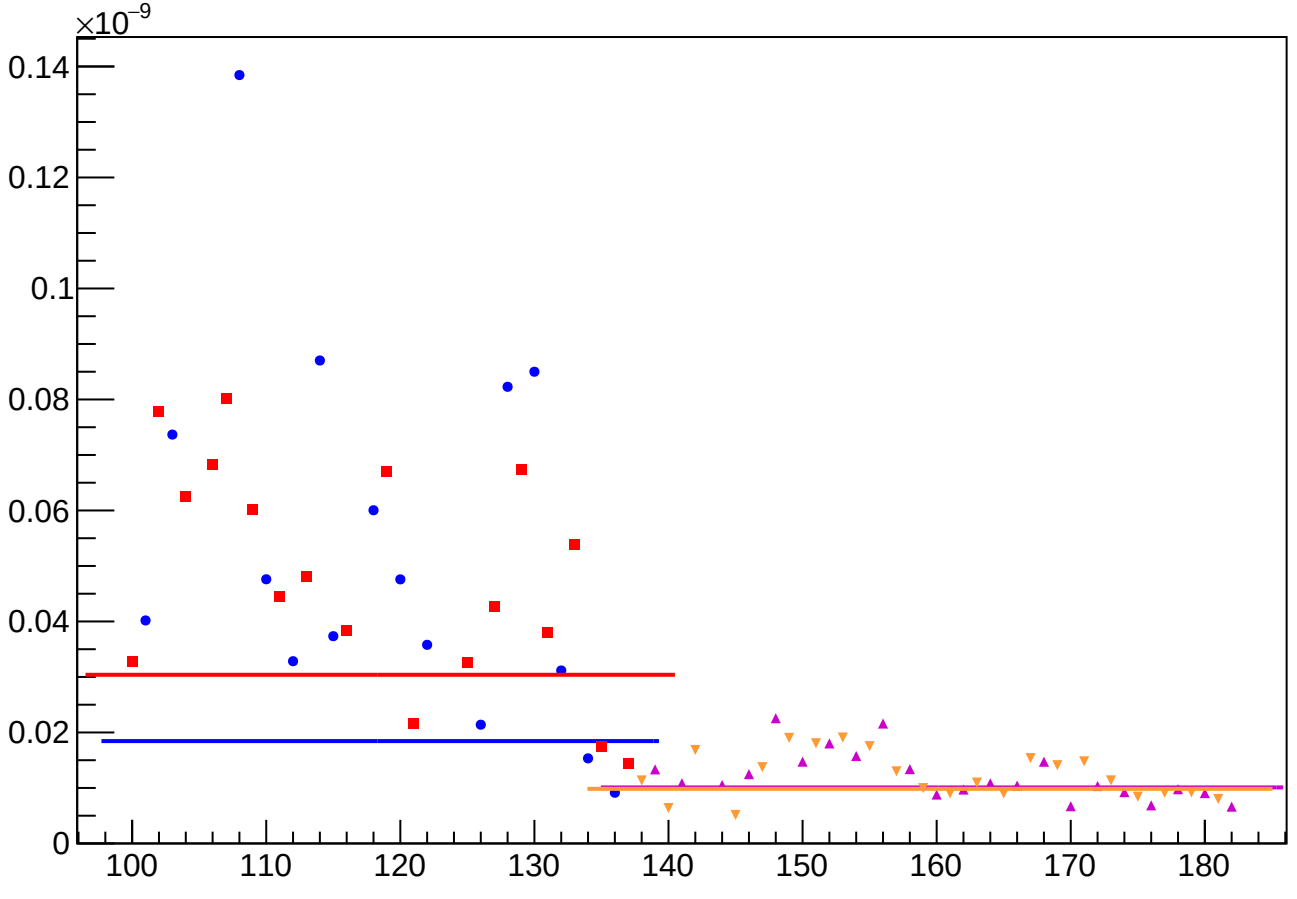
Left: -0.000+/-0.000 χ^2/NDF: 56.7/43

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:37.6/37

Out: -0.000+/-0.000 χ^2/NDF:47.2/39

All: -0.000+/-0.000 χ^2/NDF: 85.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2326127.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1995425.8/21

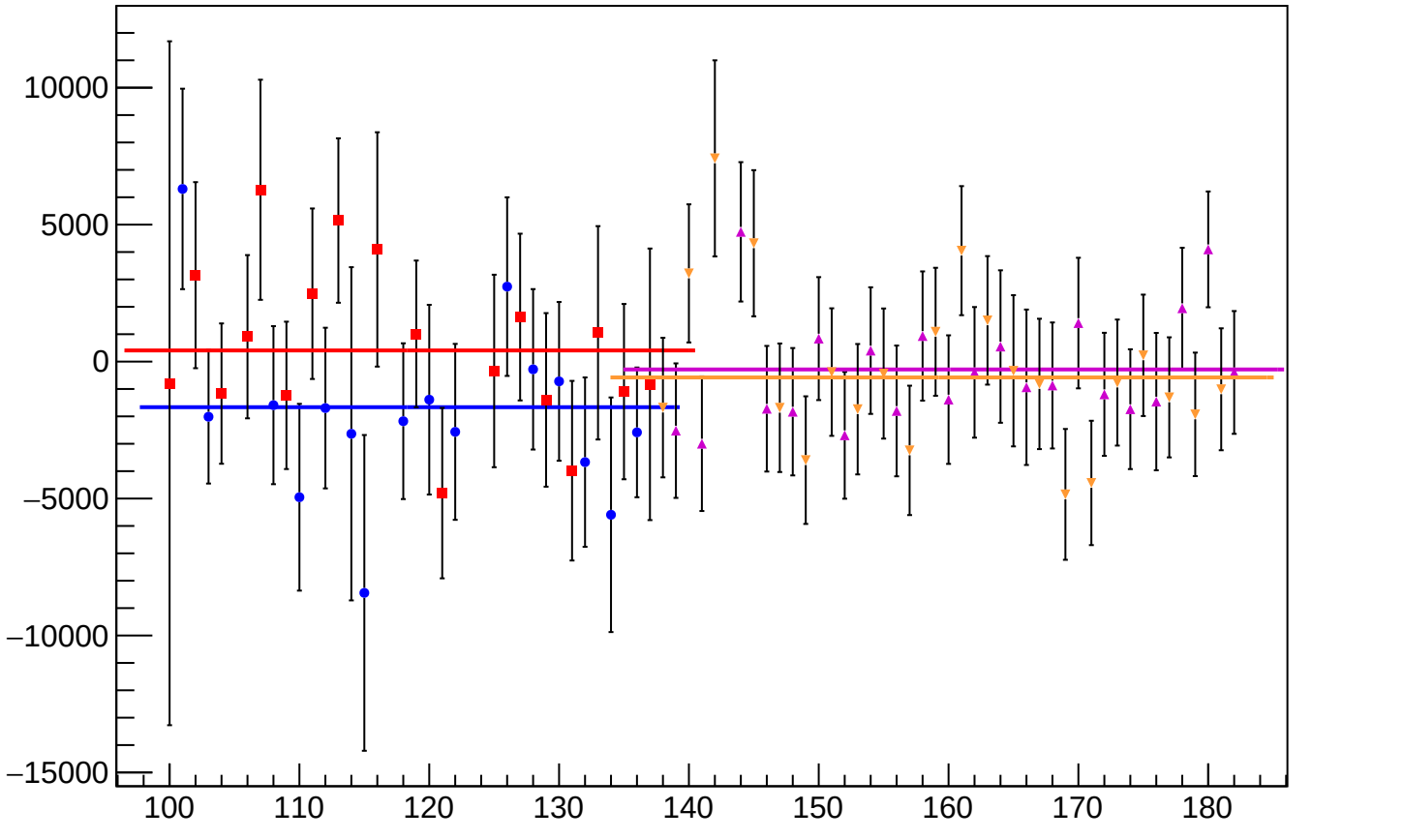
Left: 0.000+/-0.000 χ^2/NDF: 4327533.6/43

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:6984306.0/37

Out: 0.000+/-0.000 χ^2/NDF:7711975.6/39

All: 0.000+/-0.000 χ^2/NDF: 14697180.0/77



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -578.576+/-510.641 χ^2/NDF:26.1/21

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -286.873+/-502.600 χ^2/NDF:15.9/21

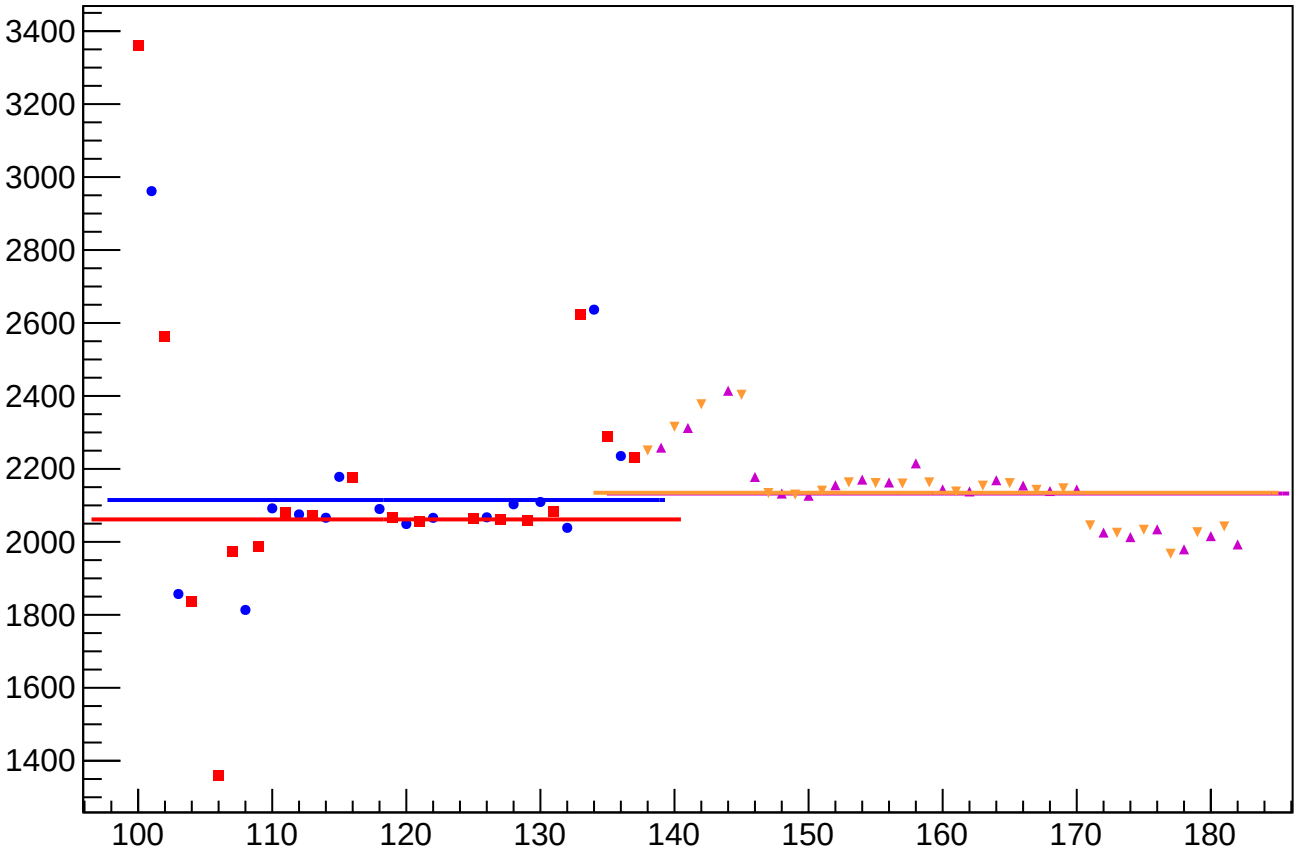
Left: -430.410+/-358.201 χ^2/NDF: 42.3/43

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -682.210+/-424.389 χ^2/NDF:28.9/37

Out: -281.427+/-426.761 χ^2/NDF:40.0/39

All: -482.936+/-300.923 χ^2/NDF: 69.3/77



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2134.668+/-0.361 χ^2/NDF:76883.9/21

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2132.544+/-0.355 χ^2/NDF:82377.1/21

Left: 2133.589+/-0.253 χ^2/NDF: 159278.6/43

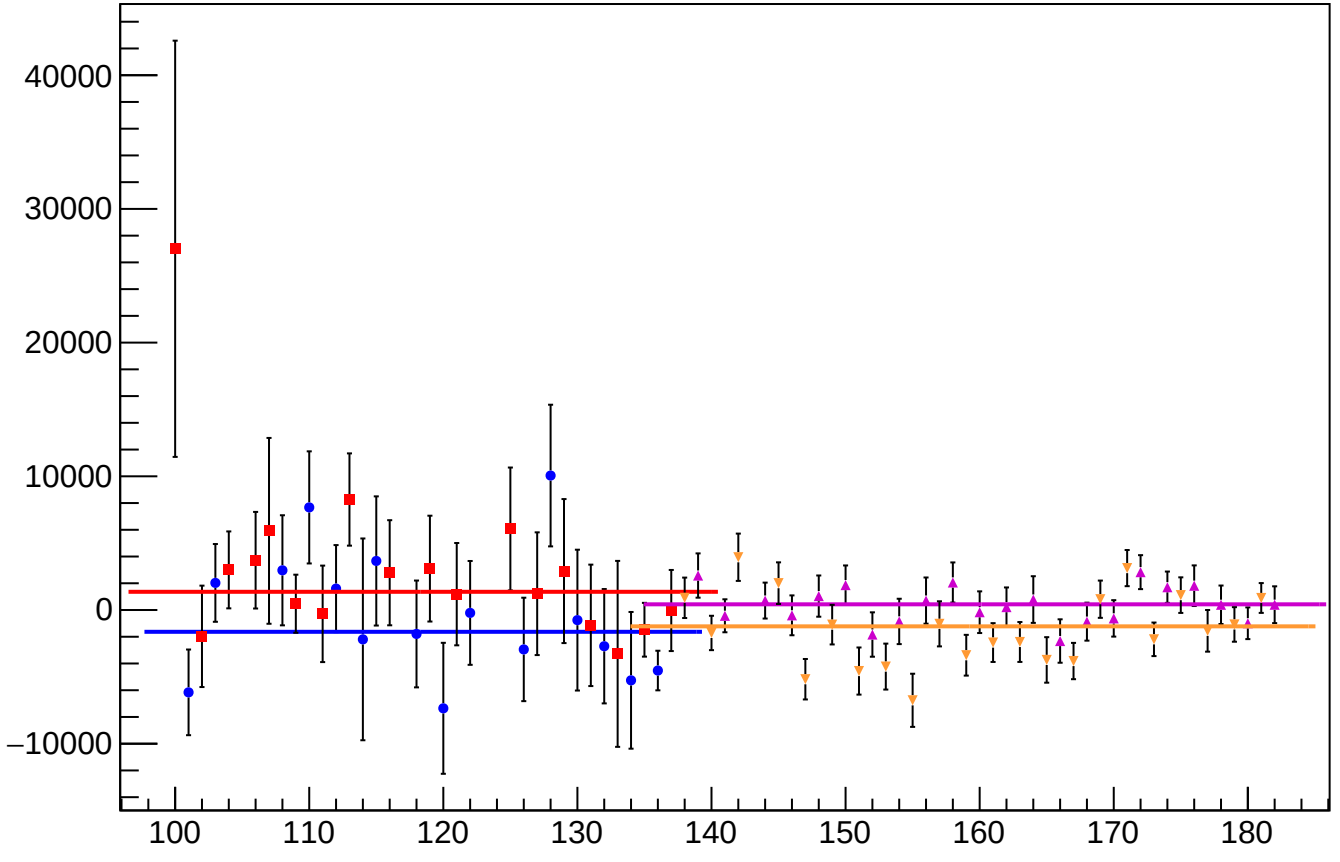
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2127.438+/-0.300 χ^2/NDF:273016.7/37

Out: 2112.623+/-0.302 χ^2/NDF:338432.4/39

All: 2120.072+/-0.213 χ^2/NDF: 612661.0/77

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1222.401+/-312.318 χ^2/NDF:65.2/21

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 425.372+/-308.331 χ^2/NDF:18.8/21

Left: -387.930+/-219.419 χ^2/NDF: 98.2/43

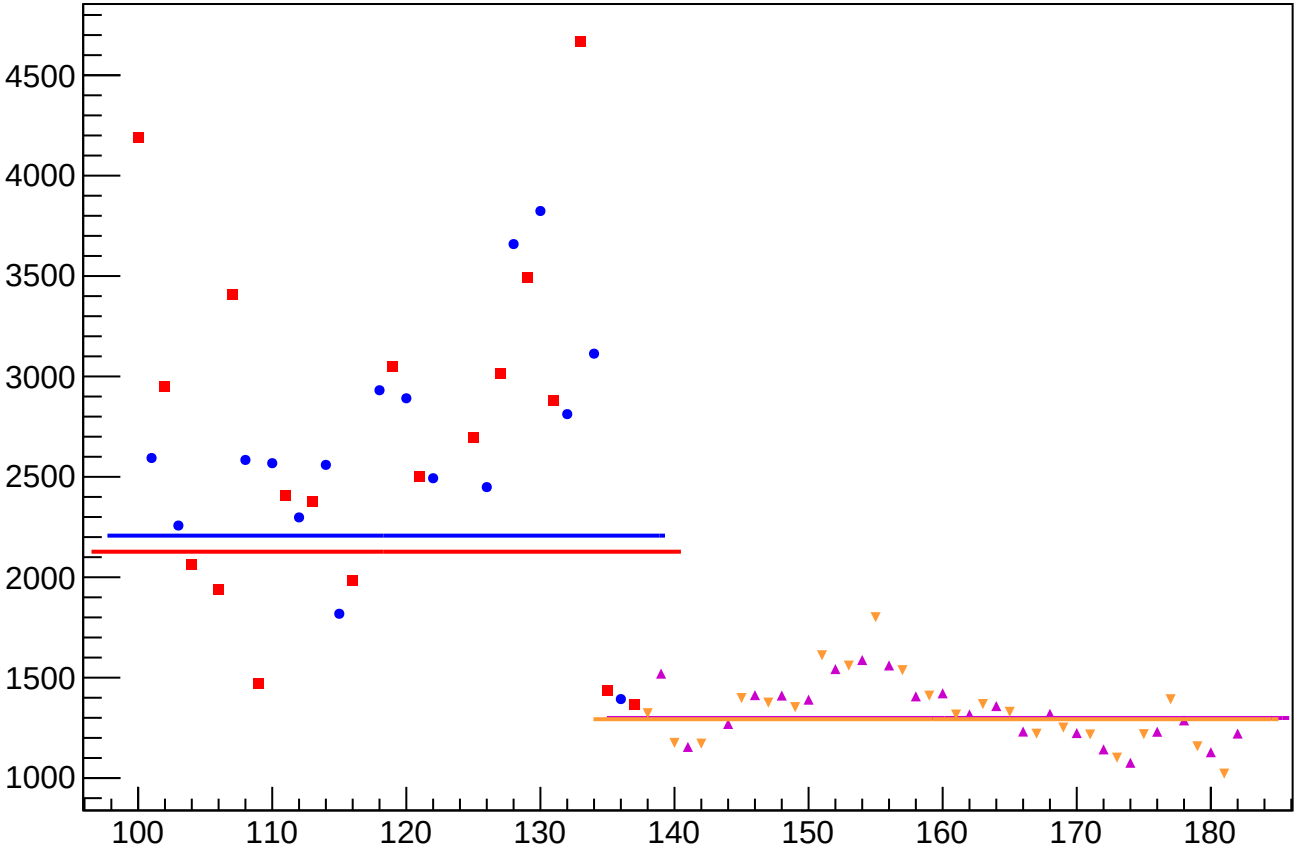
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 192.374+/-290.334 χ^2/NDF:46.7/37

Out: -908.815+/-292.756 χ^2/NDF:87.0/39

All: -353.646+/-206.148 χ^2/NDF: 140.9/77

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1293.142+/-0.221 χ^2/NDF:564606.2/21

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1299.262+/-0.218 χ^2/NDF:430391.1/21

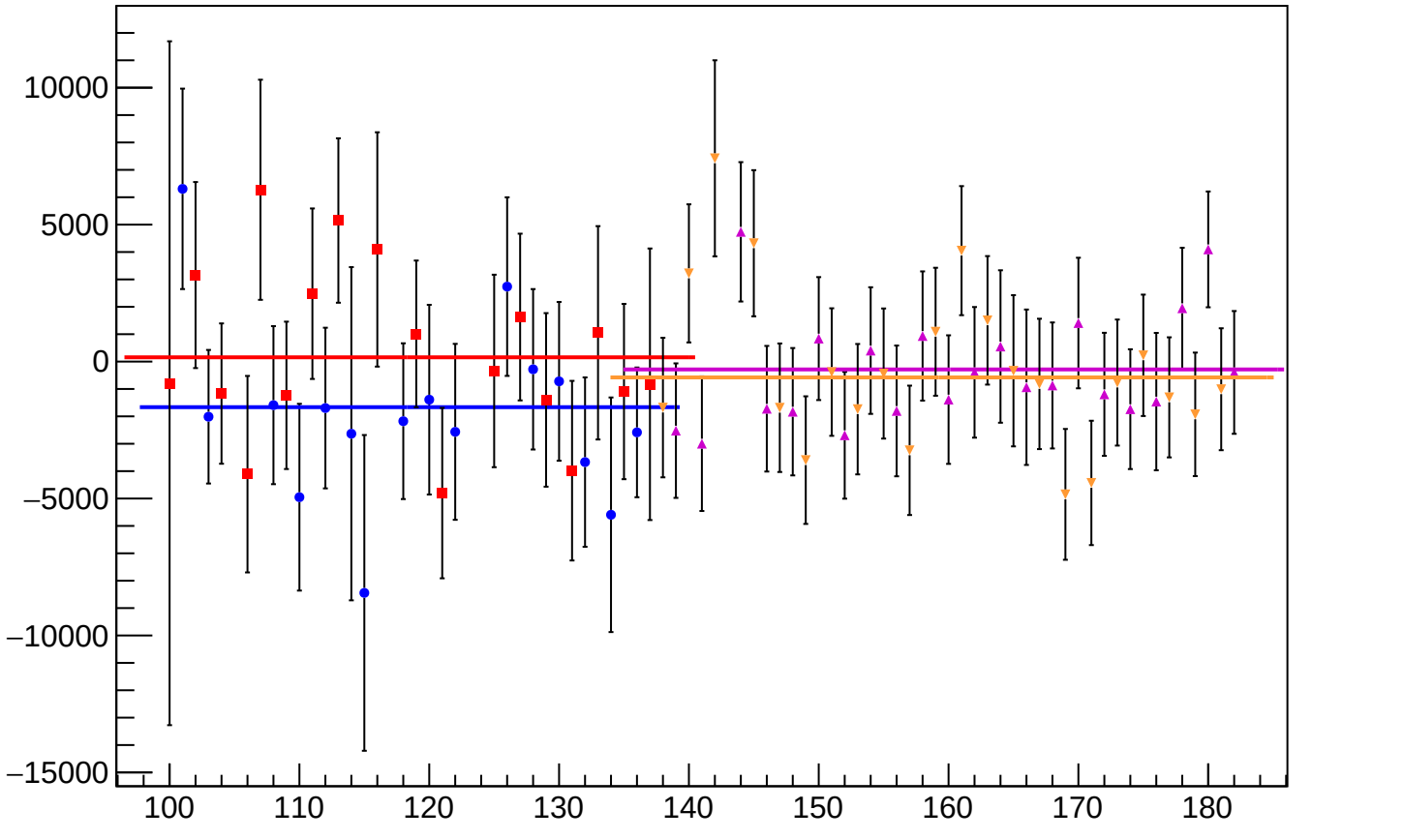
Left: 1296.241+/-0.155 χ^2/NDF: 995386.3/43

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1402.168+/-0.205 χ^2/NDF:3645368.2/37

Out: 1394.354+/-0.207 χ^2/NDF:3753570.1/39

All: 1398.293+/-0.146 χ^2/NDF: 7399656.7/77



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -578.432+/-510.641 χ^2/NDF:26.1/21

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -286.796+/-502.600 χ^2/NDF:15.9/21

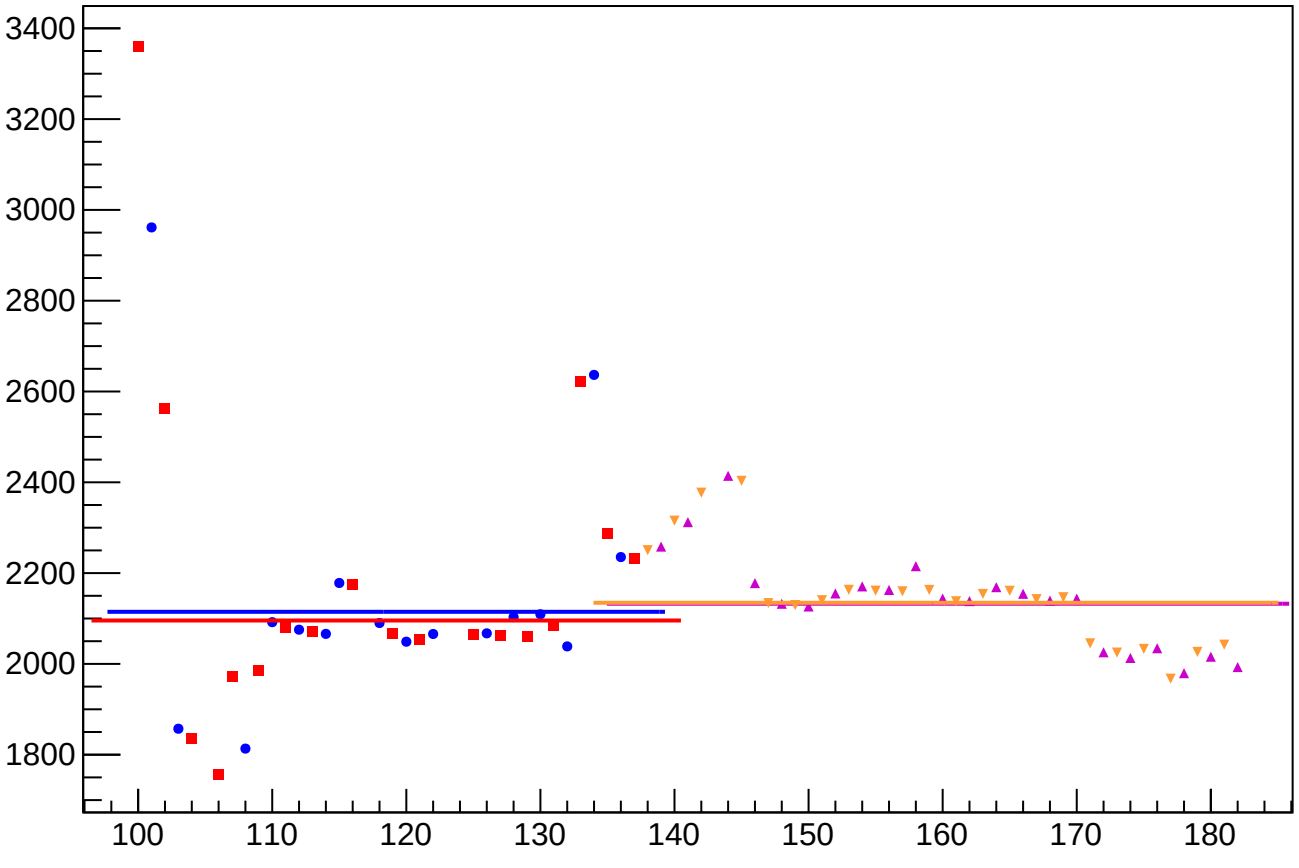
Left: -430.300+/-358.201 χ^2/NDF: 42.3/43

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -682.134+/-424.389 χ^2/NDF:28.9/37

Out: -360.317+/-428.124 χ^2/NDF:41.0/39

All: -522.636+/-301.400 χ^2/NDF: 70.1/77



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2134.668+/-0.361 χ^2/NDF:76883.9/21

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2132.544+/-0.355 χ^2/NDF:82377.0/21

Left: 2133.589+/-0.253 χ^2/NDF: 159278.6/43

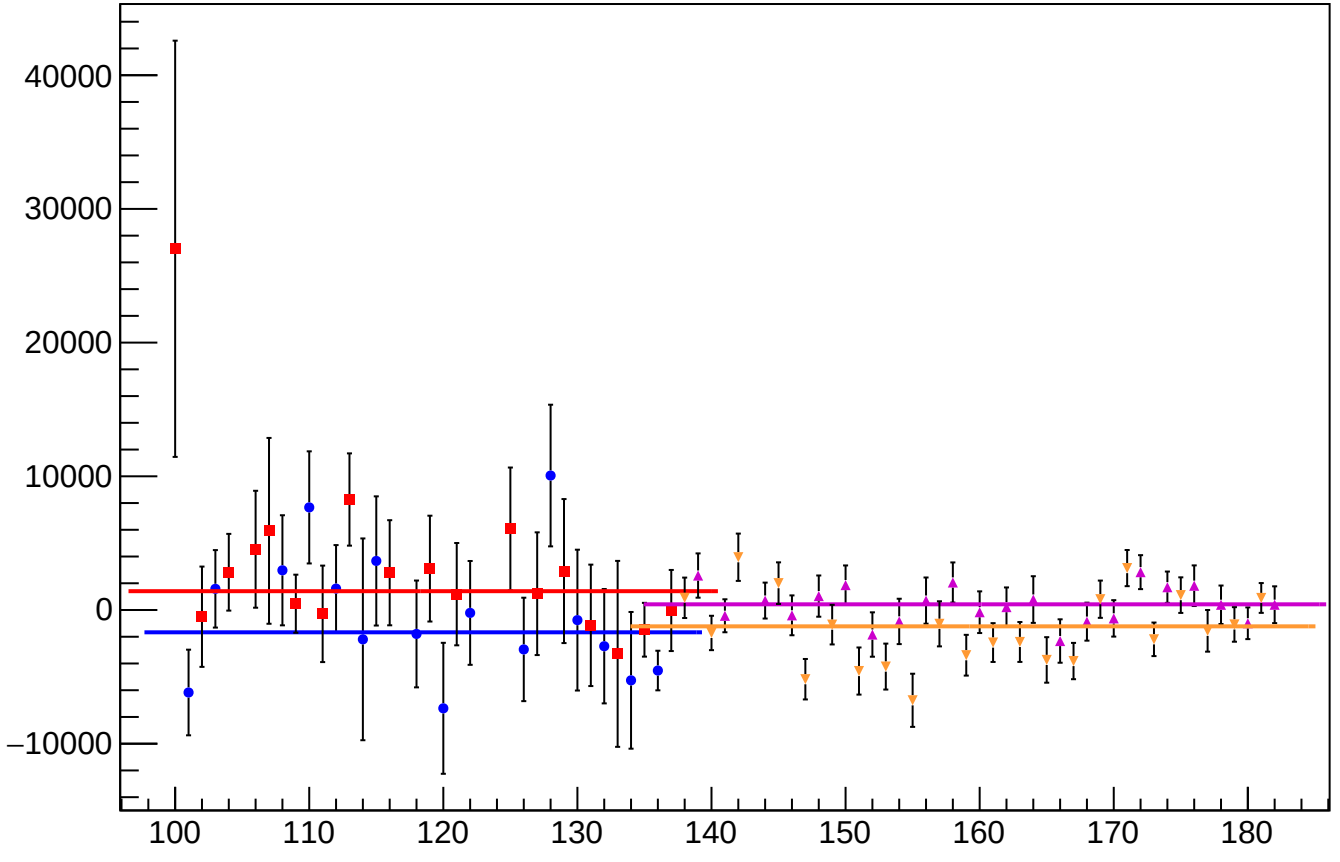
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2127.438+/-0.300 χ^2/NDF:273017.0/37

Out: 2123.061+/-0.303 χ^2/NDF:229722.9/39

All: 2125.269+/-0.213 χ^2/NDF: 502845.3/77

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1222.366+/-312.320 χ^2/NDF:65.3/21

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 425.242+/-308.332 χ^2/NDF:18.8/21

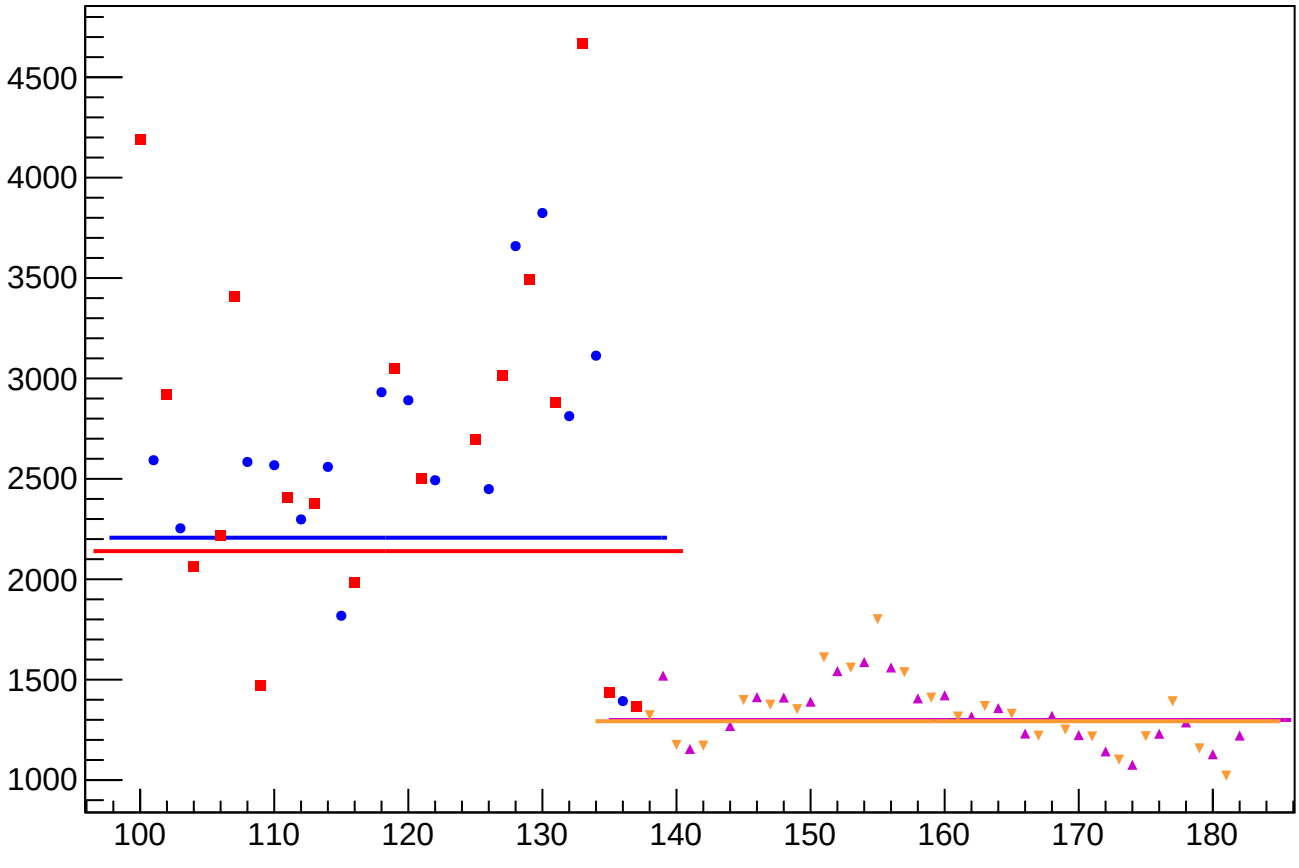
Left: -387.976+/-219.420 χ^2/NDF: 98.2/43

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 187.808+/-290.323 χ^2/NDF:46.6/37

Out: -907.579+/-293.036 χ^2/NDF:86.7/39

All: -354.791+/-206.242 χ^2/NDF: 140.3/77



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1293.151+/-0.221 χ^2/NDF:564542.3/21

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1299.264+/-0.218 χ^2/NDF:430404.2/21

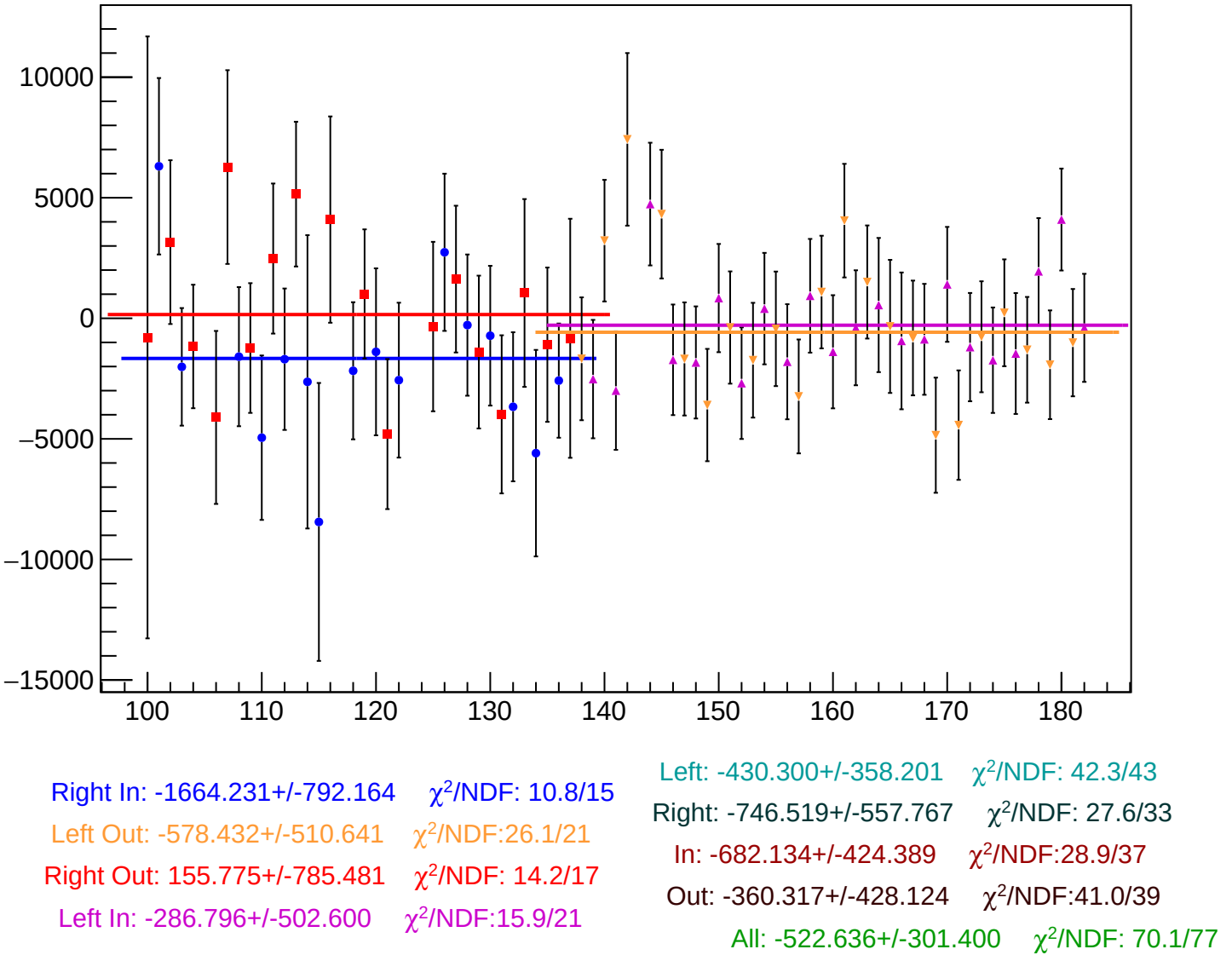
Left: 1296.247+/-0.155 χ^2/NDF: 995334.6/43

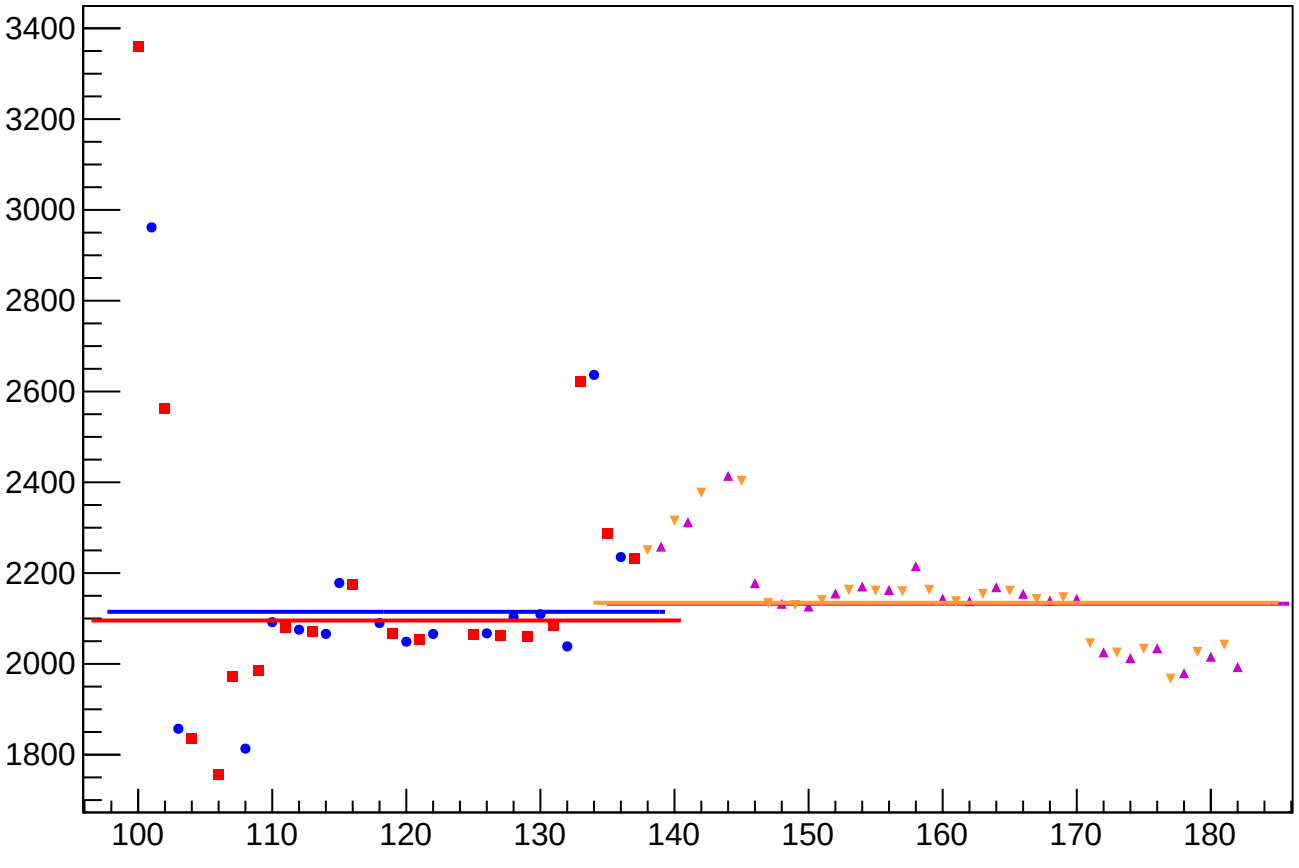
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1402.194+/-0.205 χ^2/NDF:3644848.7/37

Out: 1394.505+/-0.207 χ^2/NDF:3772895.3/39

All: 1398.386+/-0.146 χ^2/NDF: 7418439.0/77


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: -578.432+/-510.641 χ²/NDF:26.1/21
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -286.796+/-502.600 χ²/NDF:15.9/21
Left: -430.300+/-358.201 χ²/NDF: 42.3/43
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -682.134+/-424.389 χ²/NDF:28.9/37
Out: -360.317+/-428.124 χ²/NDF:41.0/39
All: -522.636+/-301.400 χ²/NDF: 70.1/77



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2134.668+/-0.361 χ^2/NDF:76883.9/21

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2132.544+/-0.355 χ^2/NDF:82377.0/21

Left: 2133.589+/-0.253 χ^2/NDF: 159278.6/43

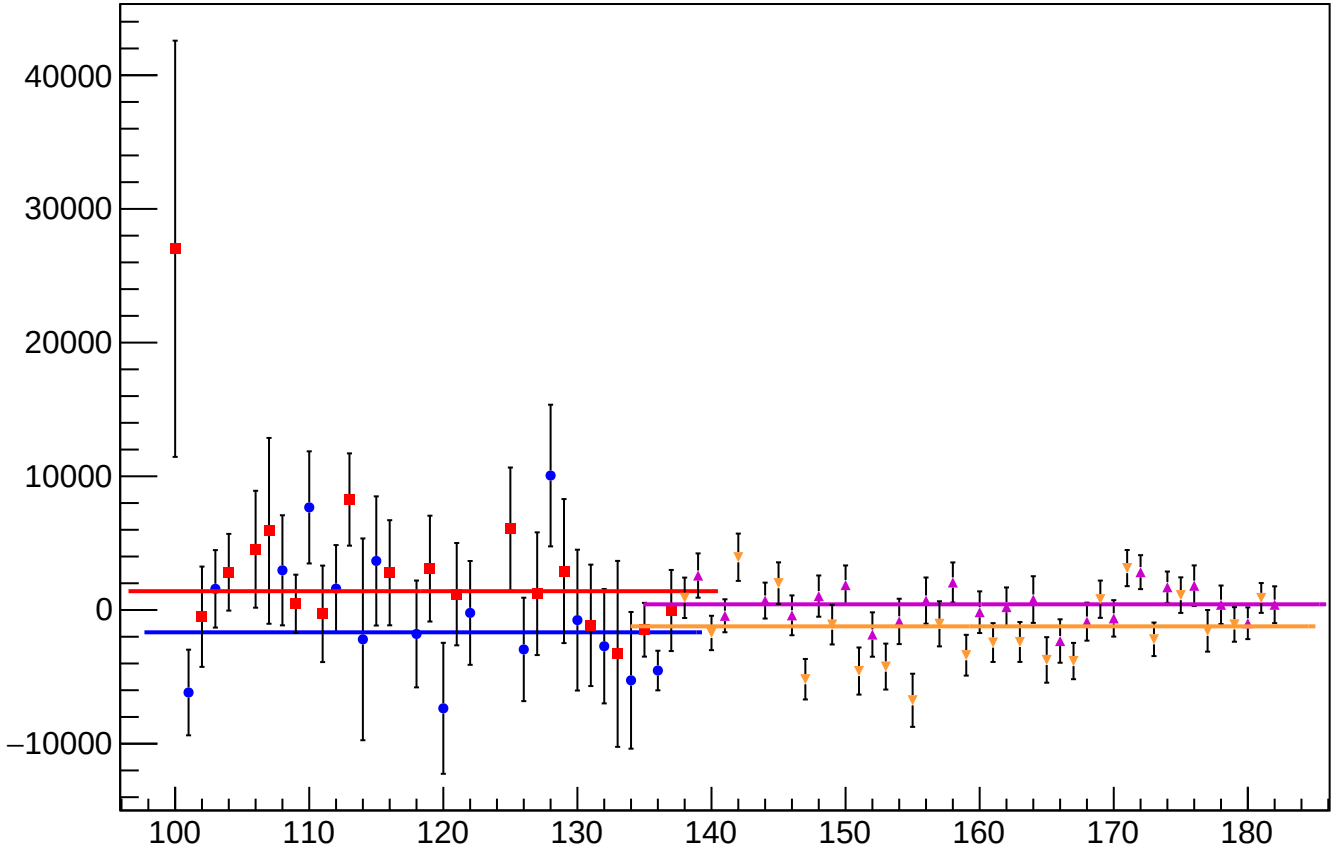
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2127.438+/-0.300 χ^2/NDF:273017.0/37

Out: 2123.061+/-0.303 χ^2/NDF:229722.9/39

All: 2125.269+/-0.213 χ^2/NDF: 502845.3/77

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: -1222.366+/-312.320 χ^2/NDF:65.3/21

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 425.242+/-308.332 χ^2/NDF:18.8/21

Left: -387.976+/-219.420 χ^2/NDF: 98.2/43

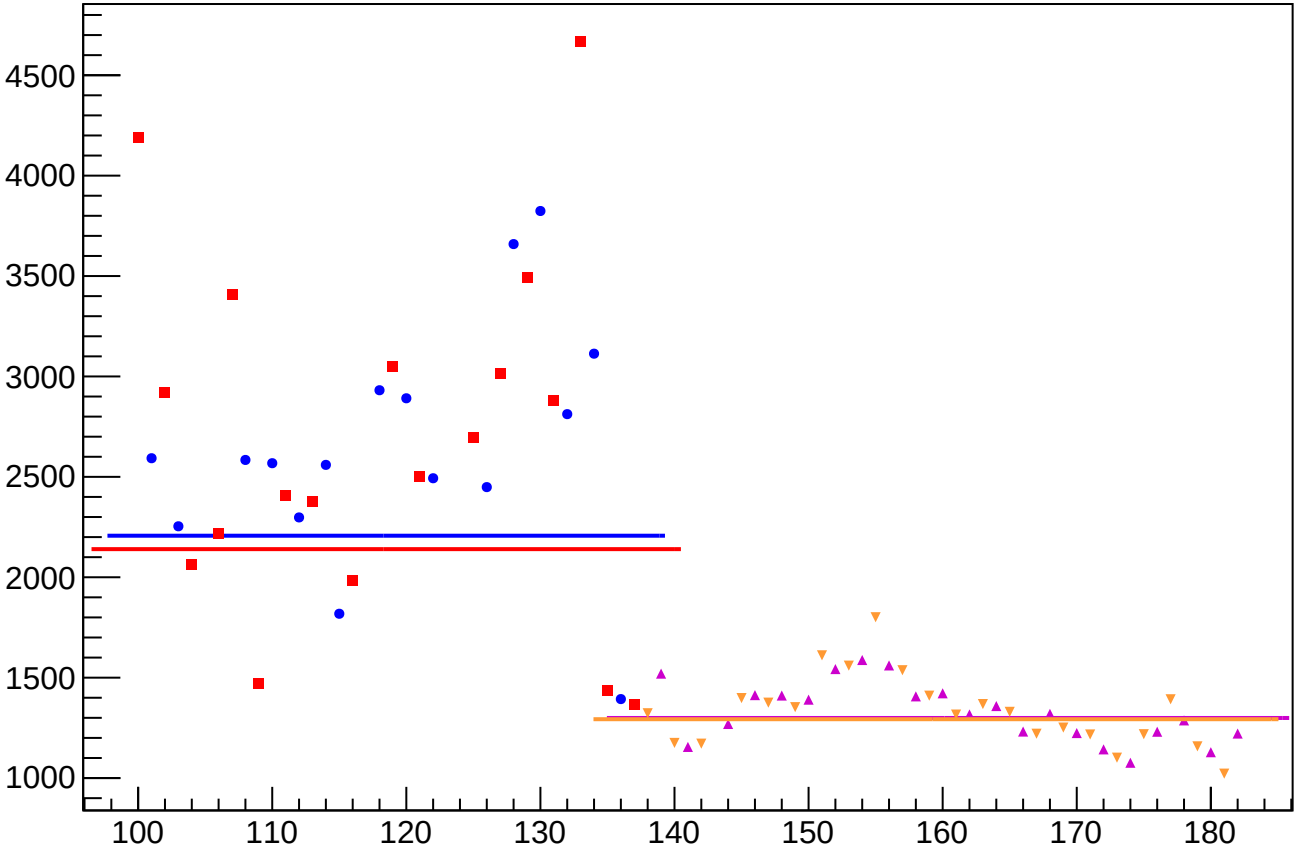
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 187.808+/-290.323 χ^2/NDF:46.6/37

Out: -907.579+/-293.036 χ^2/NDF:86.7/39

All: -354.791+/-206.242 χ^2/NDF: 140.3/77

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1293.151+/-0.221 χ^2/NDF:564542.3/21

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1299.264+/-0.218 χ^2/NDF:430404.2/21

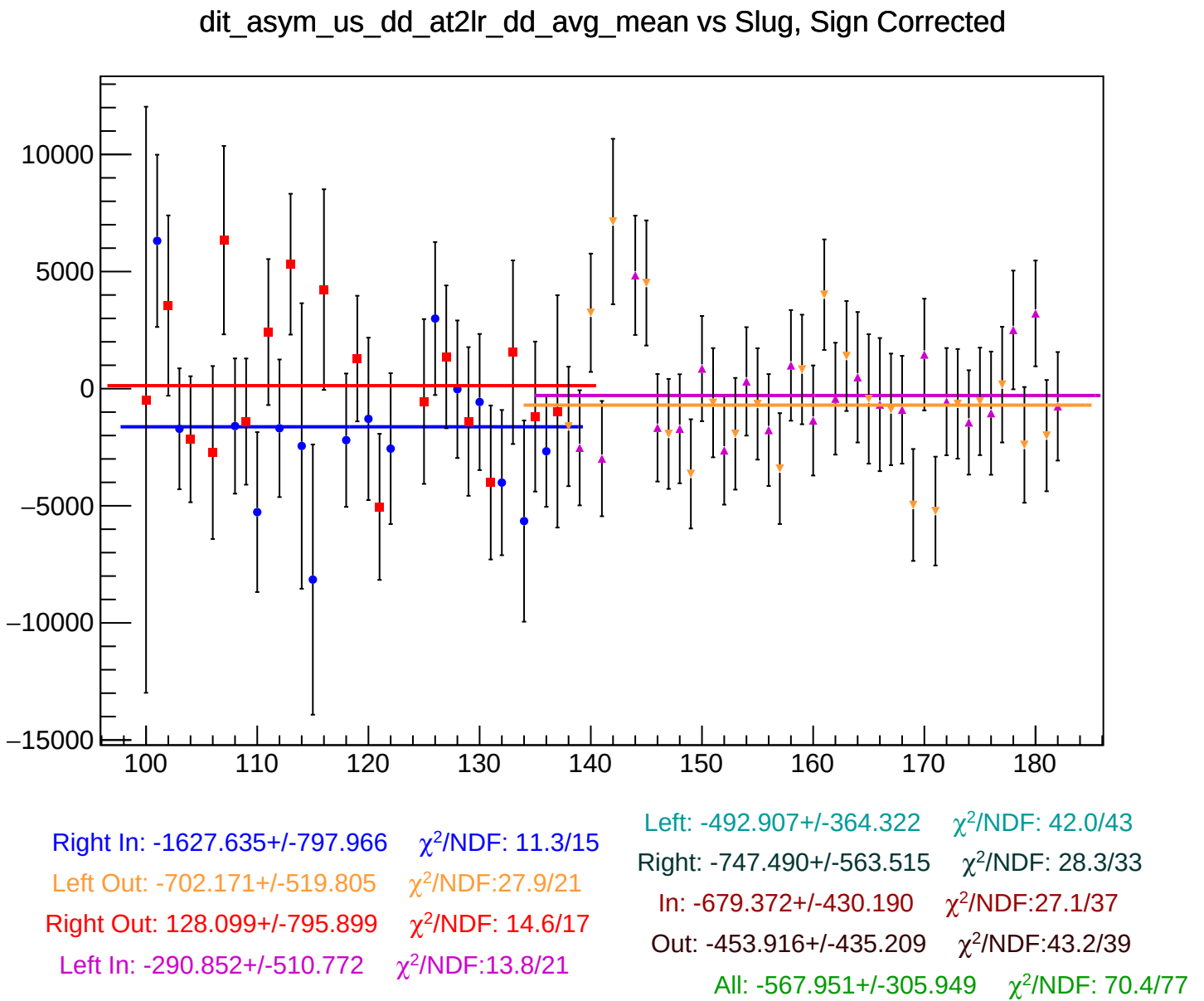
Left: 1296.247+/-0.155 χ^2/NDF: 995334.6/43

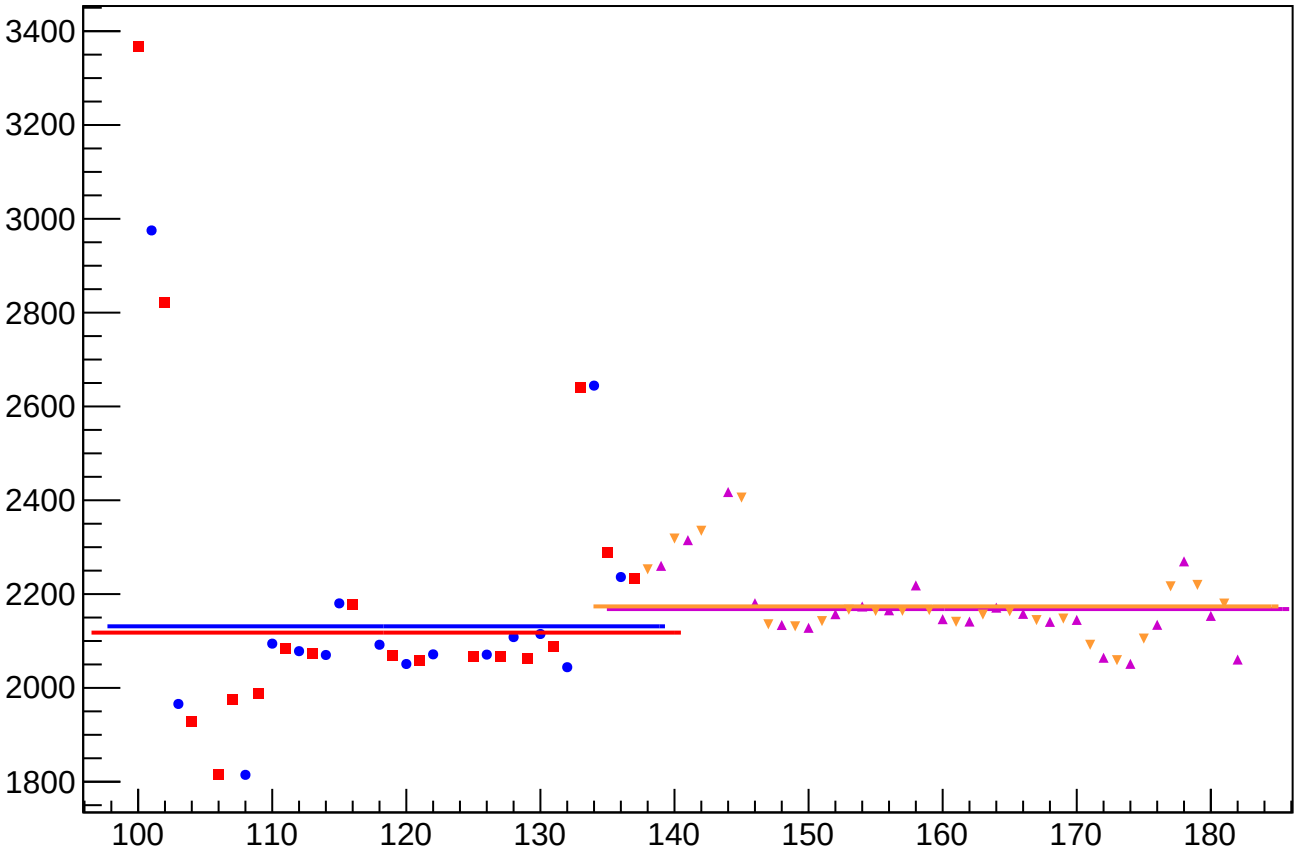
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1402.194+/-0.205 χ^2/NDF:3644848.7/37

Out: 1394.505+/-0.207 χ^2/NDF:3772895.3/39

All: 1398.386+/-0.146 χ^2/NDF: 7418439.0/77


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: -702.171+/-519.805 χ²/NDF:27.9/21
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -290.852+/-510.772 χ²/NDF:13.8/21
Left: -492.907+/-364.322 χ²/NDF: 42.0/43
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -679.372+/-430.190 χ²/NDF:27.1/37
Out: -453.916+/-435.209 χ²/NDF:43.2/39
All: -567.951+/-305.949 χ²/NDF: 70.4/77



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2173.733+/-0.368 χ^2/NDF:40846.2/21

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2168.074+/-0.361 χ^2/NDF:49661.2/21

Left: 2170.854+/-0.258 χ^2/NDF: 90628.0/43

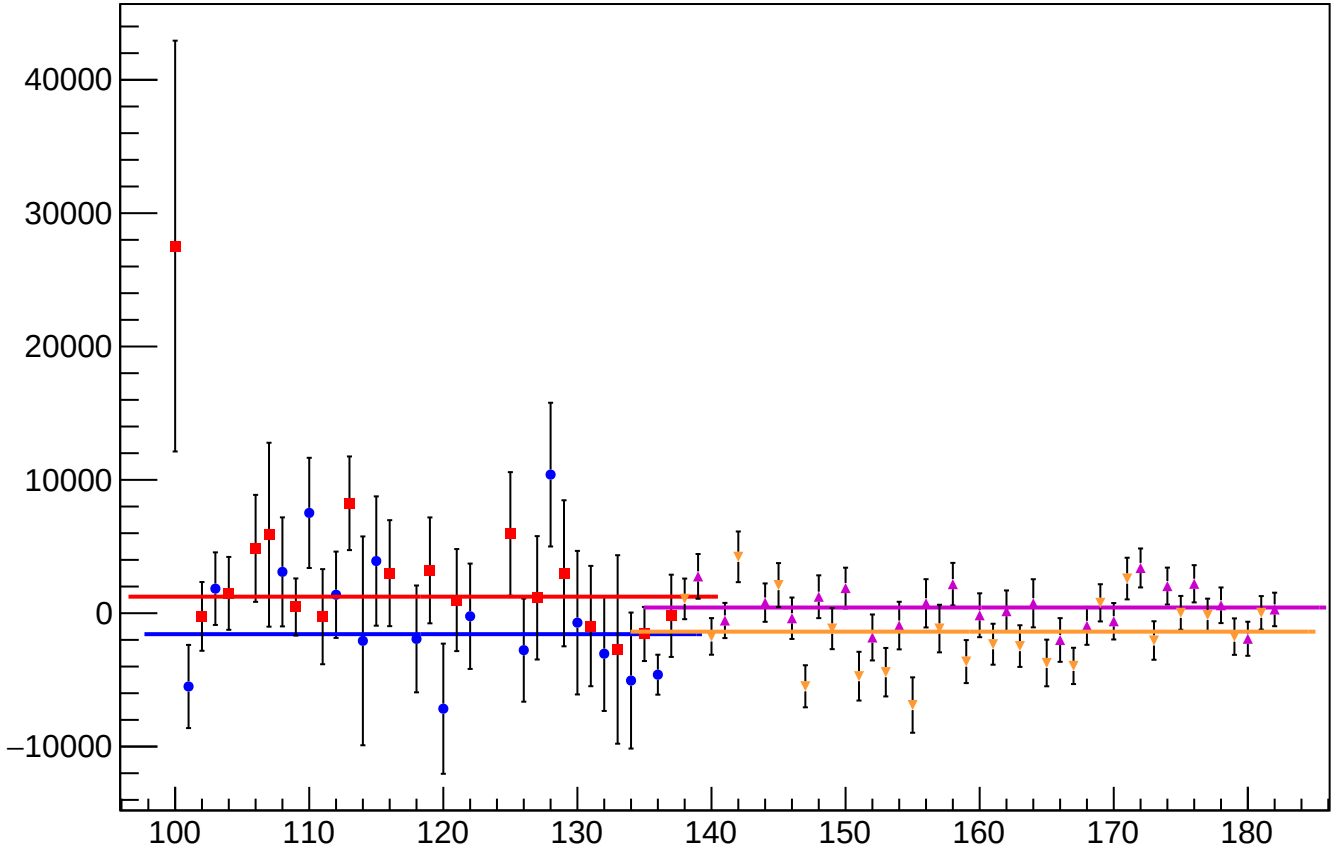
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2157.386+/-0.304 χ^2/NDF:228618.0/37

Out: 2157.029+/-0.308 χ^2/NDF:211376.4/39

All: 2157.209+/-0.216 χ^2/NDF: 439995.1/77

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: -1383.087+/-324.067 χ^2/NDF:56.7/21

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 426.631+/-319.542 χ^2/NDF:21.9/21

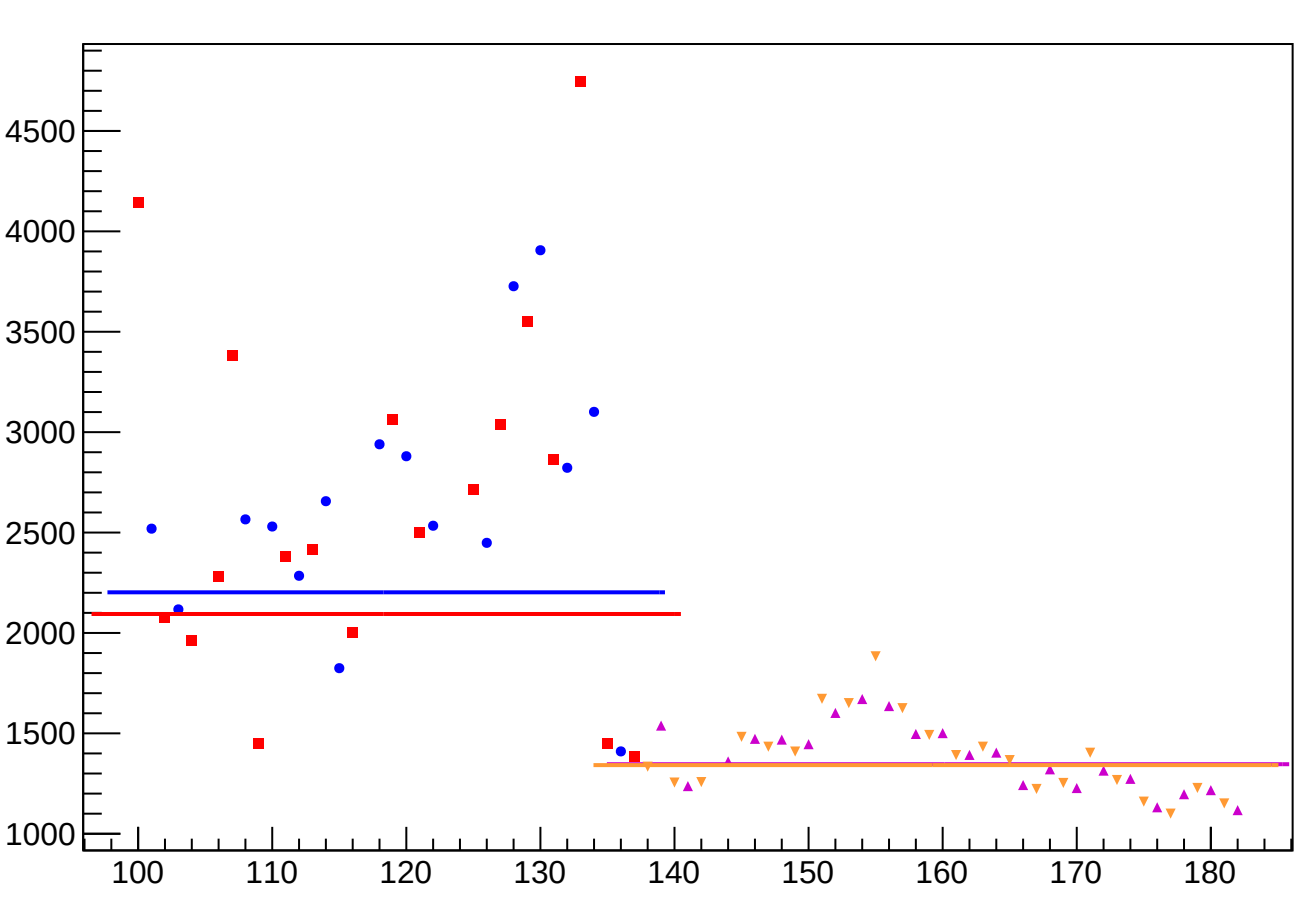
Left: -465.506+/-227.533 χ^2/NDF: 94.4/43

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 184.168+/-299.524 χ^2/NDF:49.2/37

Out: -1028.437+/-301.373 χ^2/NDF:78.6/39

All: -418.402+/-212.446 χ^2/NDF: 136.0/77



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1341.852+/-0.229 χ^2/NDF:583864.6/21

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1346.333+/-0.226 χ^2/NDF:463341.4/21

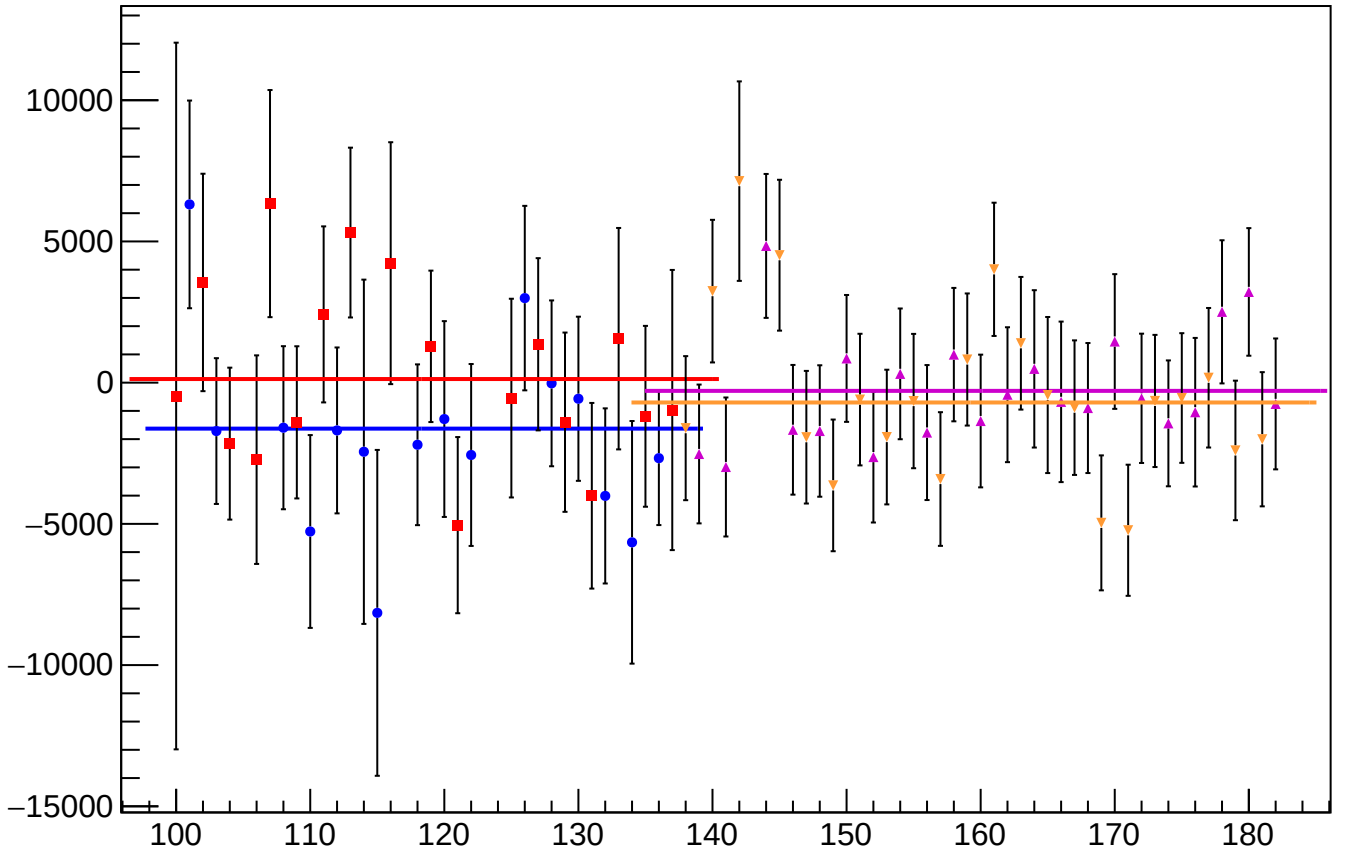
Left: 1344.124+/-0.161 χ^2/NDF: 1047399.9/43

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1450.232+/-0.212 χ^2/NDF:3428437.0/37

Out: 1443.566+/-0.213 χ^2/NDF:3415350.2/39

All: 1446.920+/-0.150 χ^2/NDF: 6844279.5/77



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -702.168+/-519.804 χ^2/NDF:27.9/21

Right Out: 128.093+/-795.899 χ^2/NDF: 14.6/17

Left In: -290.852+/-510.771 χ^2/NDF:13.8/21

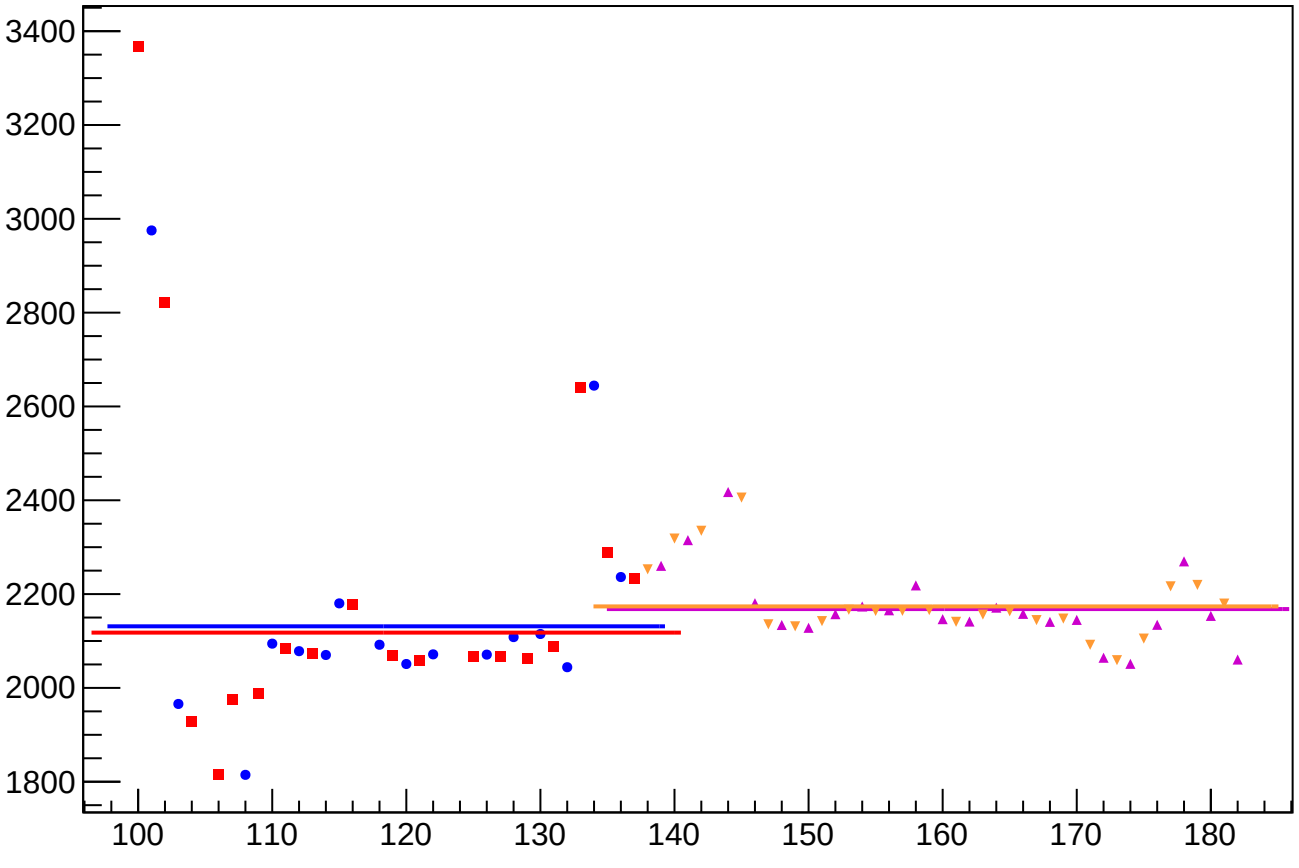
Left: -492.905+/-364.322 χ^2/NDF: 42.0/43

Right: -747.494+/-563.515 χ^2/NDF: 28.3/33

In: -679.372+/-430.190 χ^2/NDF:27.1/37

Out: -453.916+/-435.208 χ^2/NDF:43.2/39

All: -567.951+/-305.949 χ^2/NDF: 70.4/77



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2173.733+/-0.368 χ^2/NDF:40846.3/21

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2168.074+/-0.361 χ^2/NDF:49661.2/21

Left: 2170.854+/-0.258 χ^2/NDF: 90628.1/43

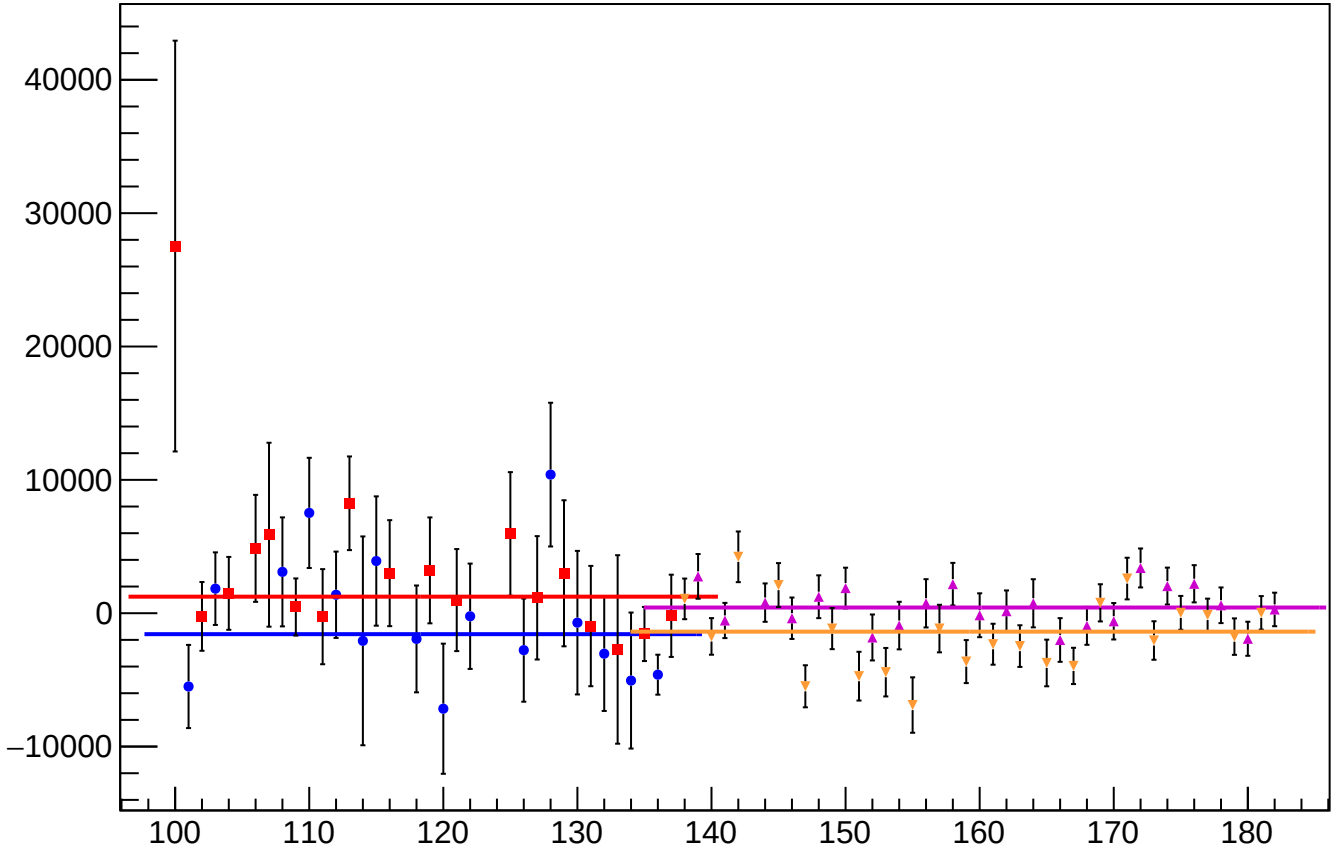
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2157.386+/-0.304 χ^2/NDF:228617.8/37

Out: 2157.029+/-0.308 χ^2/NDF:211376.3/39

All: 2157.209+/-0.216 χ^2/NDF: 439994.8/77

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: -1383.089+/-324.067 χ^2/NDF:56.7/21

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 426.628+/-319.542 χ^2/NDF:21.9/21

Left: -465.507+/-227.533 χ^2/NDF: 94.4/43

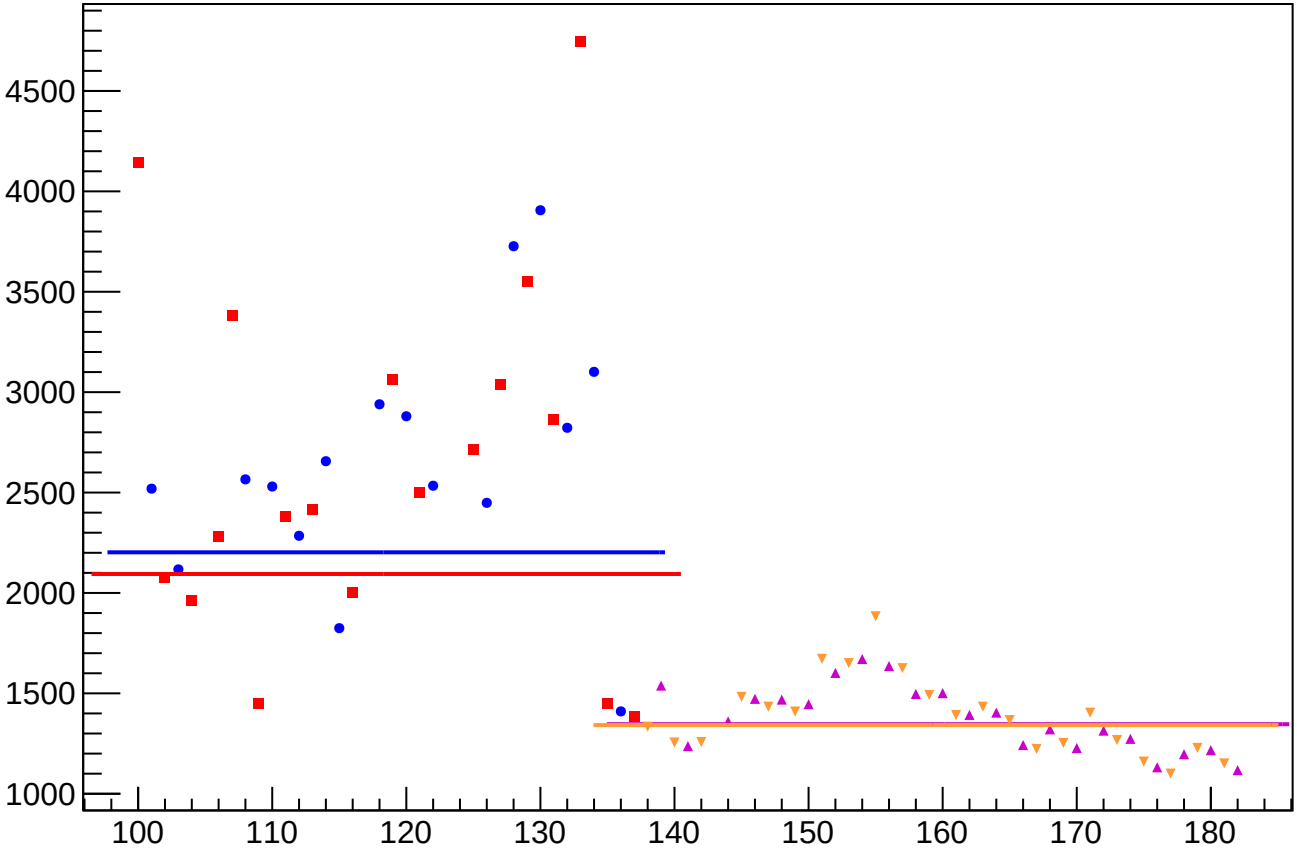
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 184.169+/-299.524 χ^2/NDF:49.2/37

Out: -1028.439+/-301.374 χ^2/NDF:78.6/39

All: -418.402+/-212.446 χ^2/NDF: 136.0/77

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: 1341.852+/-0.229 χ^2/NDF:583863.0/21

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1346.332+/-0.226 χ^2/NDF:463350.5/21

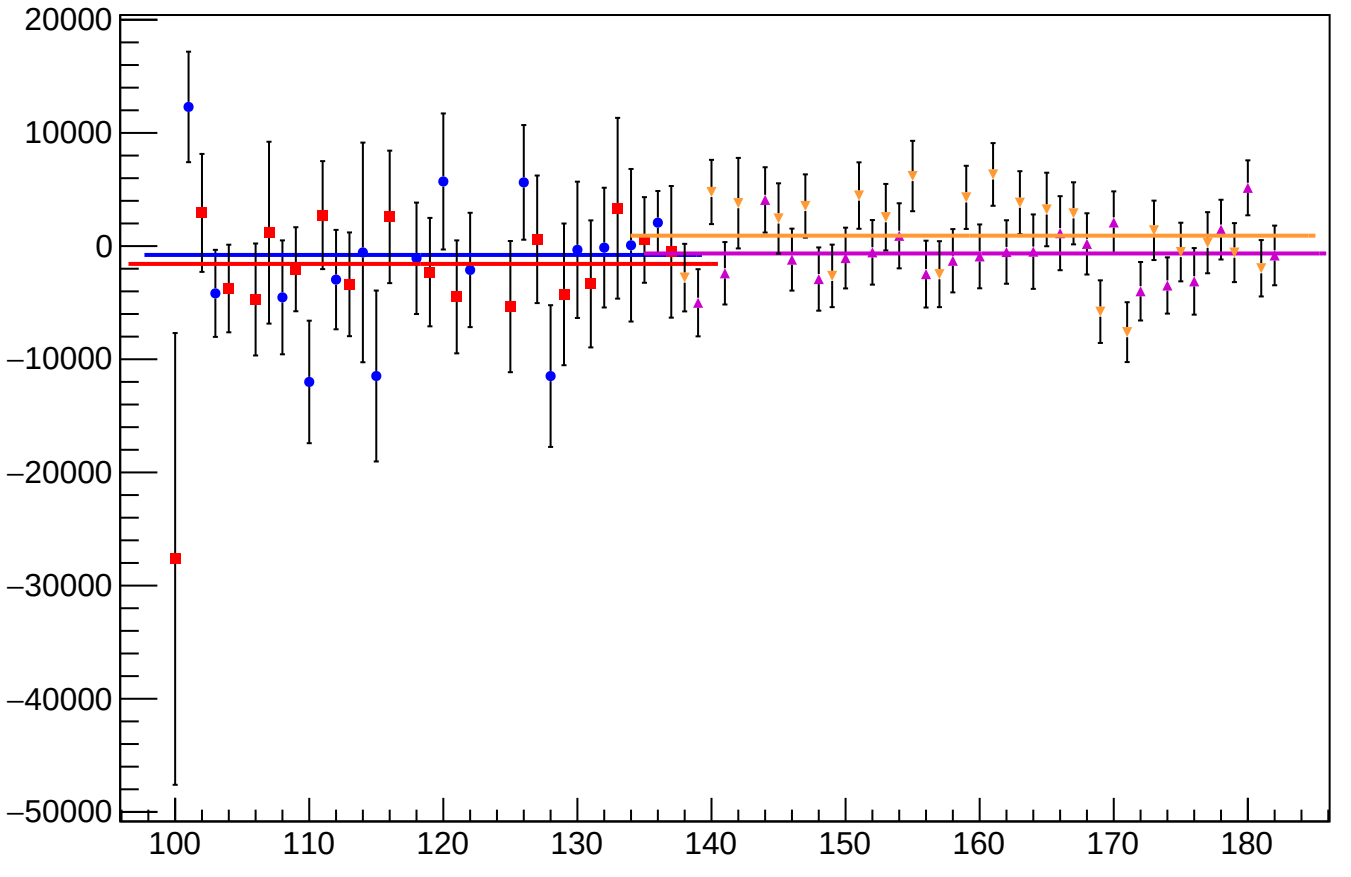
Left: 1344.124+/-0.161 χ^2/NDF: 1047407.3/43

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1450.232+/-0.212 χ^2/NDF:3428433.0/37

Out: 1443.567+/-0.213 χ^2/NDF:3415339.6/39

All: 1446.920+/-0.150 χ^2/NDF: 6844264.6/77



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 921.437+/-603.731 χ^2/NDF:38.4/21

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -651.876+/-593.064 χ^2/NDF:18.1/21

Left: 120.759+/-423.081 χ^2/NDF: 60.0/43

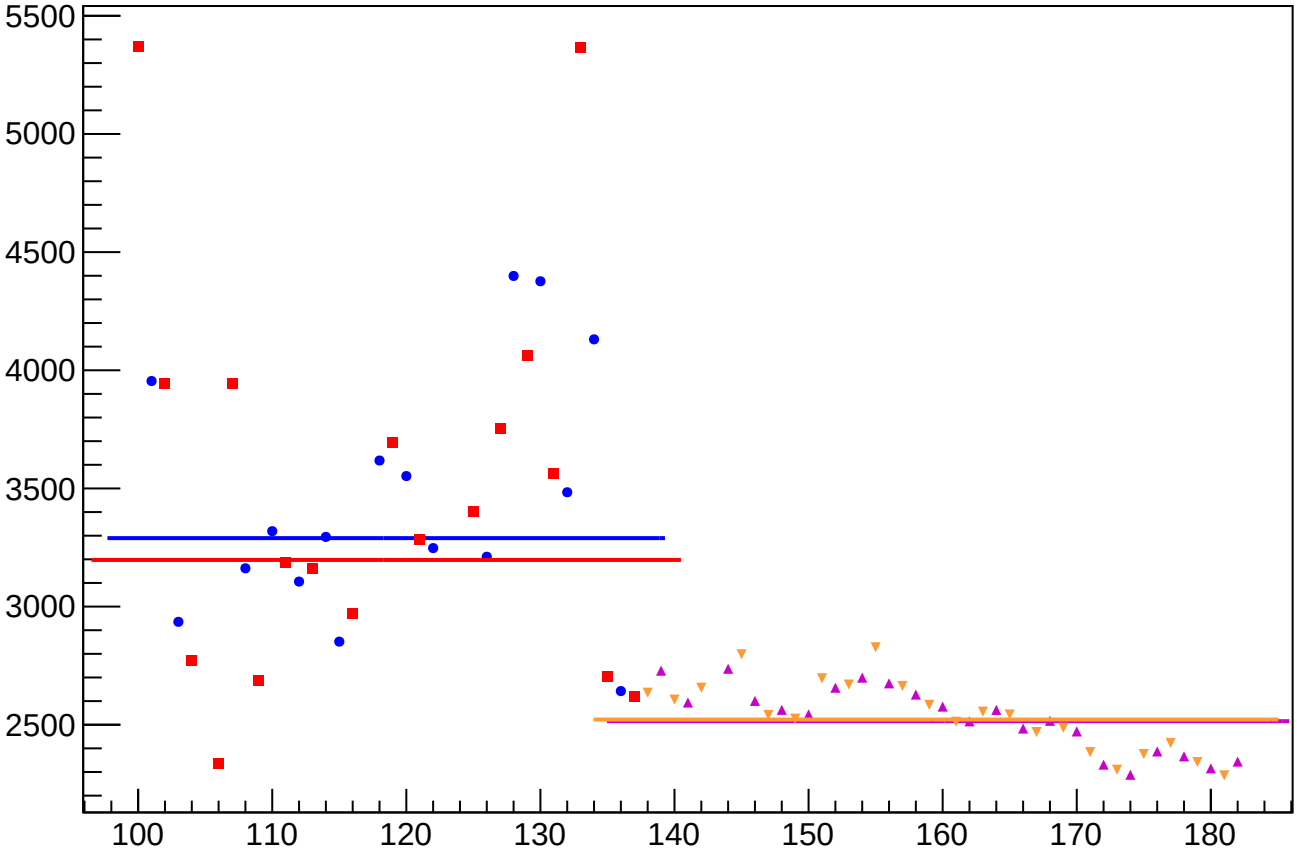
Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -675.975+/-535.157 χ^2/NDF:40.0/37

Out: 429.742+/-541.010 χ^2/NDF:48.5/39

All: -129.130+/-380.466 χ^2/NDF: 90.7/77

asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2522.001+/-0.427 χ^2/NDF:116638.5/21

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2515.099+/-0.419 χ^2/NDF:109830.4/21

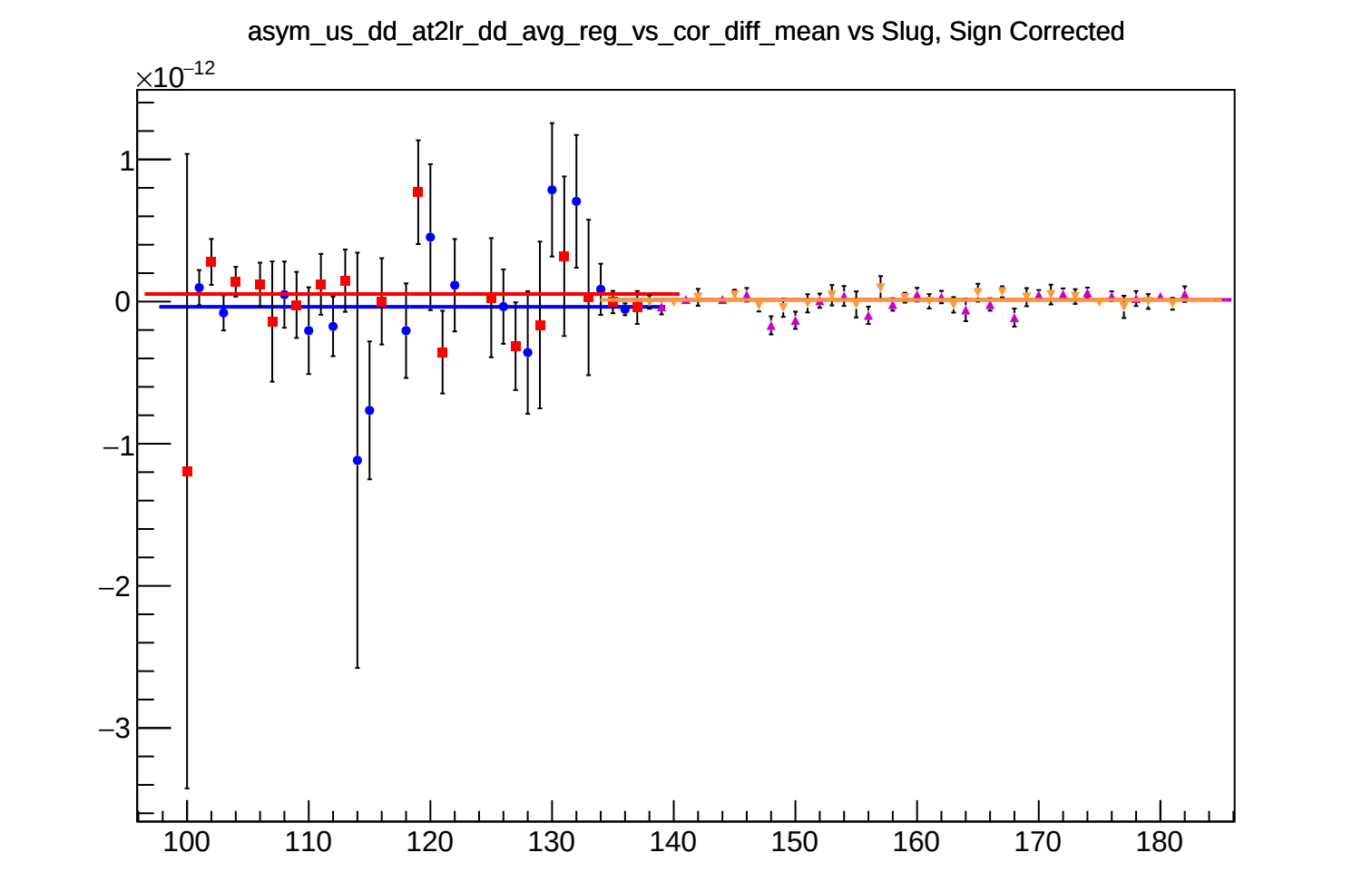
Left: 2518.488+/-0.299 χ^2/NDF: 226601.9/43

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2658.977+/-0.378 χ^2/NDF:1091139.7/37

Out: 2655.042+/-0.383 χ^2/NDF:1109602.7/39

All: 2657.031+/-0.269 χ^2/NDF: 2200795.8/77



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:30.7/21

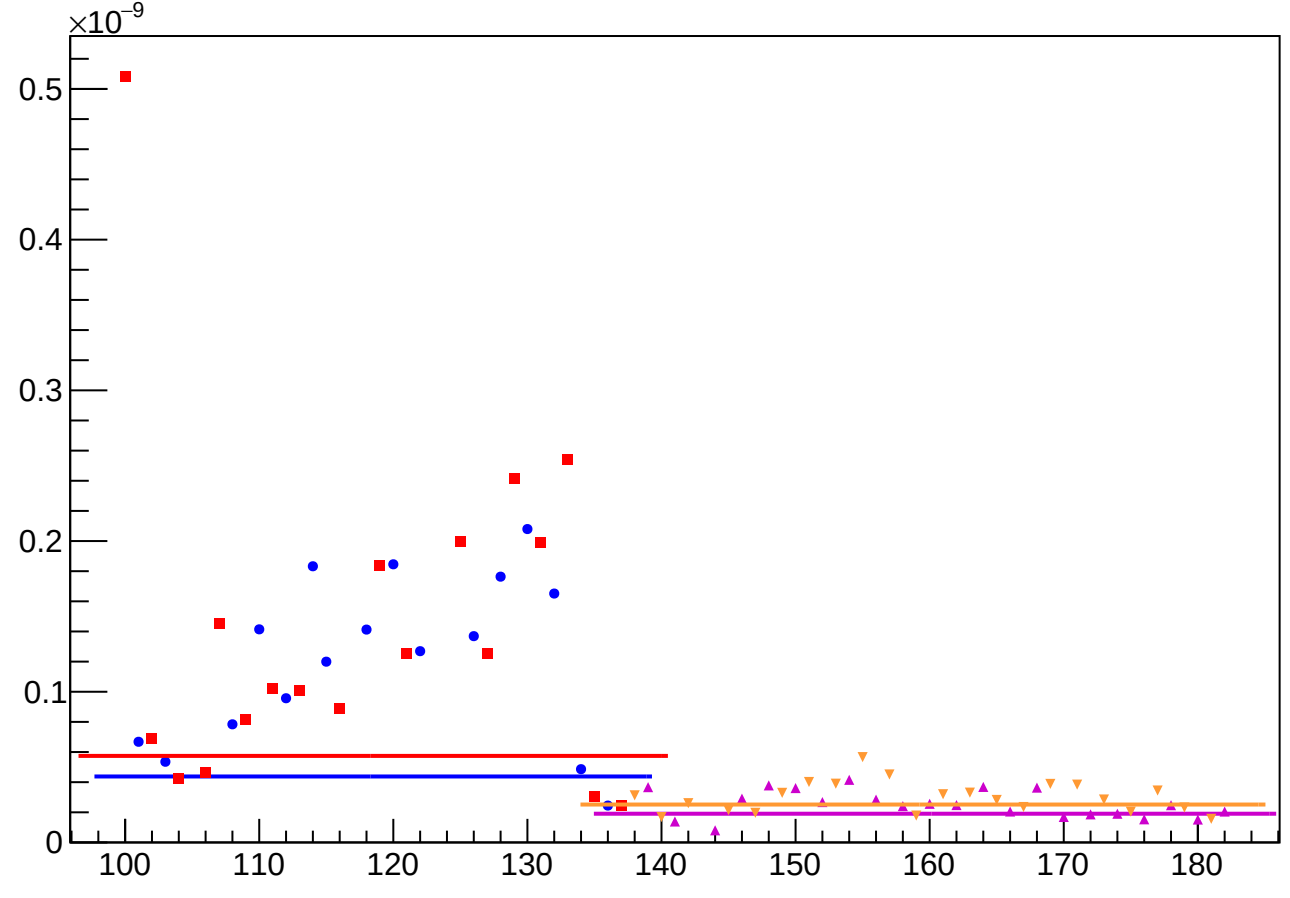
Left: 0.000+/-0.000 χ^2/NDF: 40.4/43

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: 0.000+/-0.000 χ^2/NDF:45.8/37

Out: 0.000+/-0.000 χ^2/NDF:23.1/39

All: 0.000+/-0.000 χ^2/NDF: 69.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1322240.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2188991.1/21

Left: 0.000+/-0.000 χ^2/NDF: 3927631.4/43

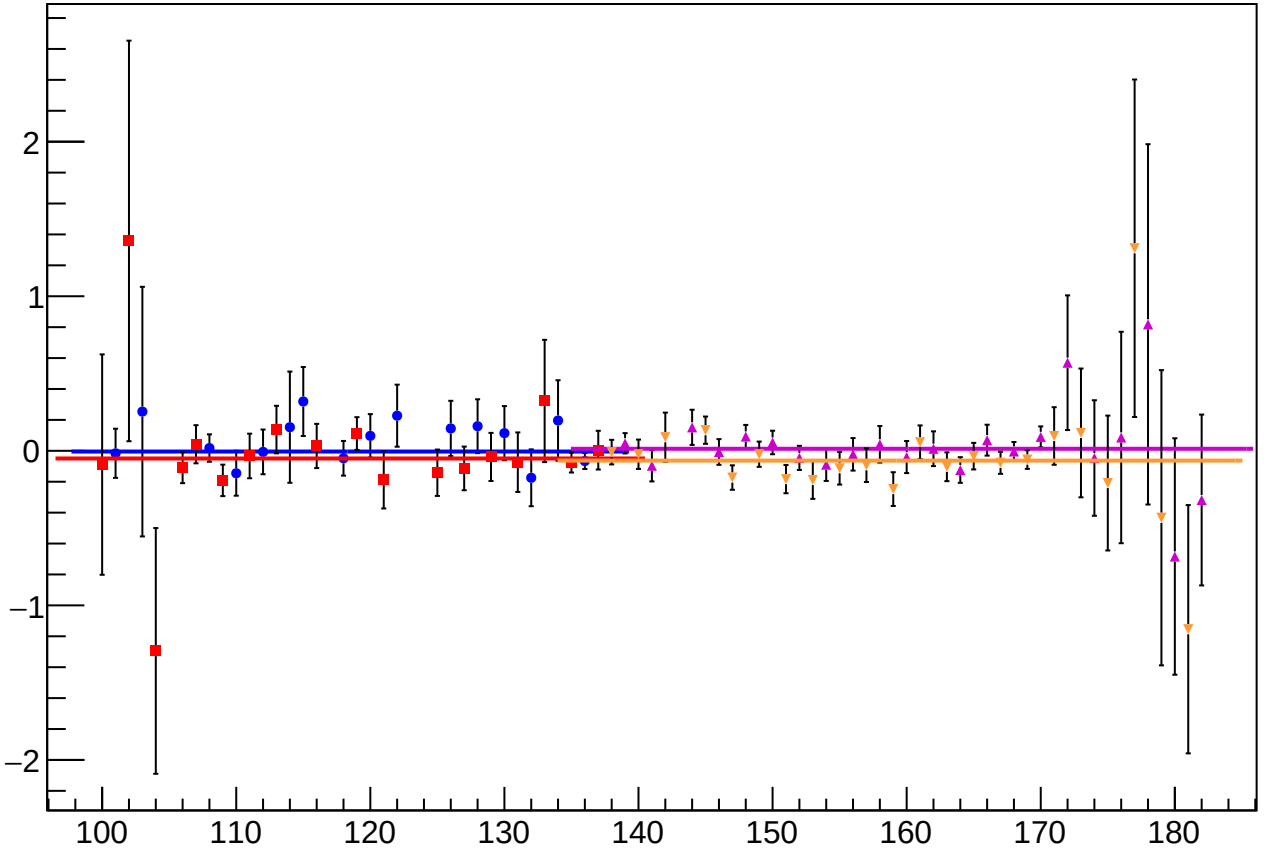
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5391019.0/37

Out: 0.000+/-0.000 χ^2/NDF:4458673.3/39

All: 0.000+/-0.000 χ^2/NDF: 10329848.2/77

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:20.8/21

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.013+/-0.021 χ^2/NDF:14.1/21

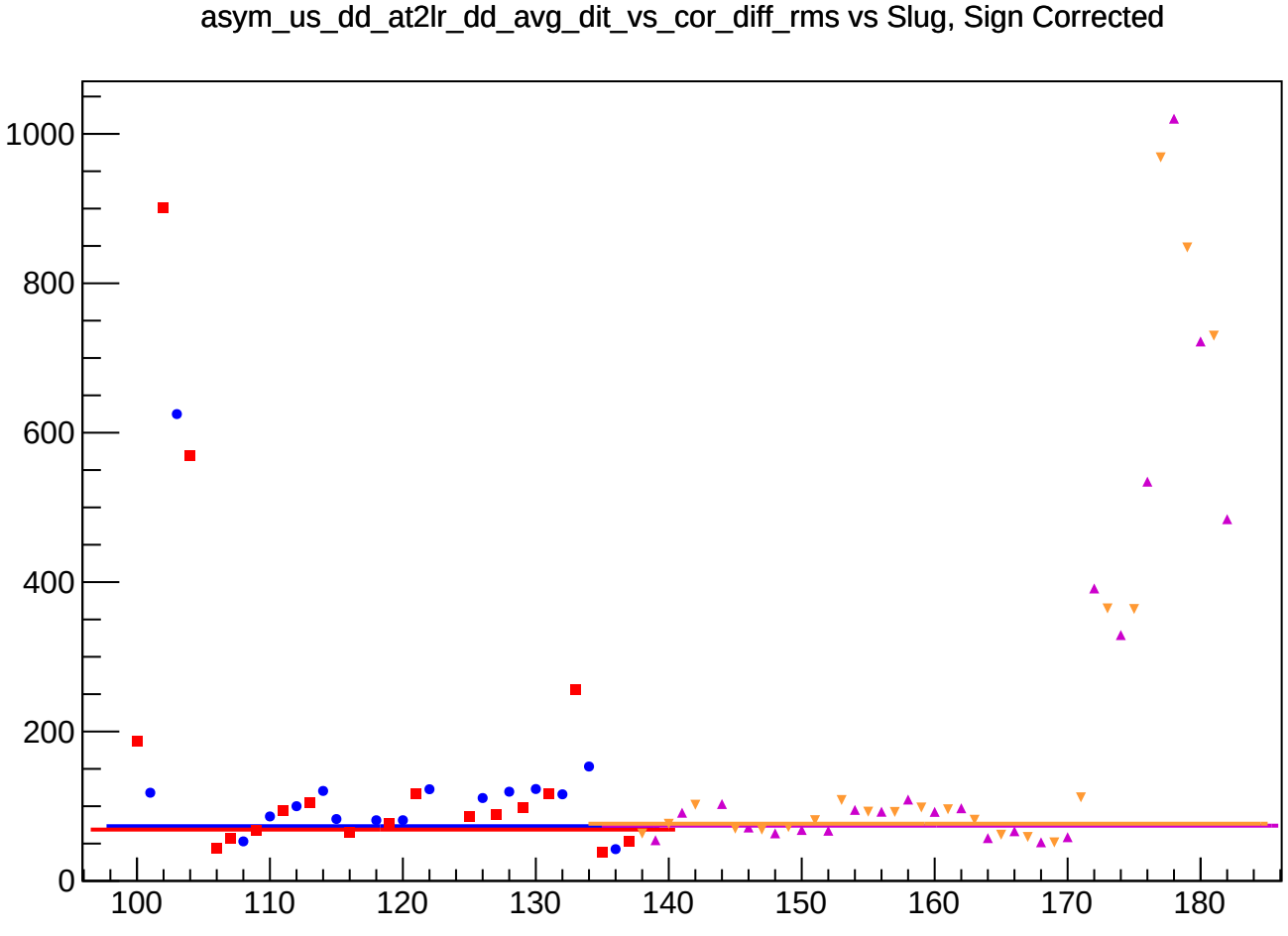
Left: -0.023+/-0.015 χ^2/NDF: 41.1/43

Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:24.6/37

Out: -0.059+/-0.018 χ^2/NDF:33.9/39

All: -0.025+/-0.013 χ^2/NDF: 65.5/77



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 76.590+/-0.016 χ^2/NDF:6907122.1/21

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 73.957+/-0.015 χ^2/NDF:8115075.6/21

Left: 75.213+/-0.011 χ^2/NDF: 15037005.8/43

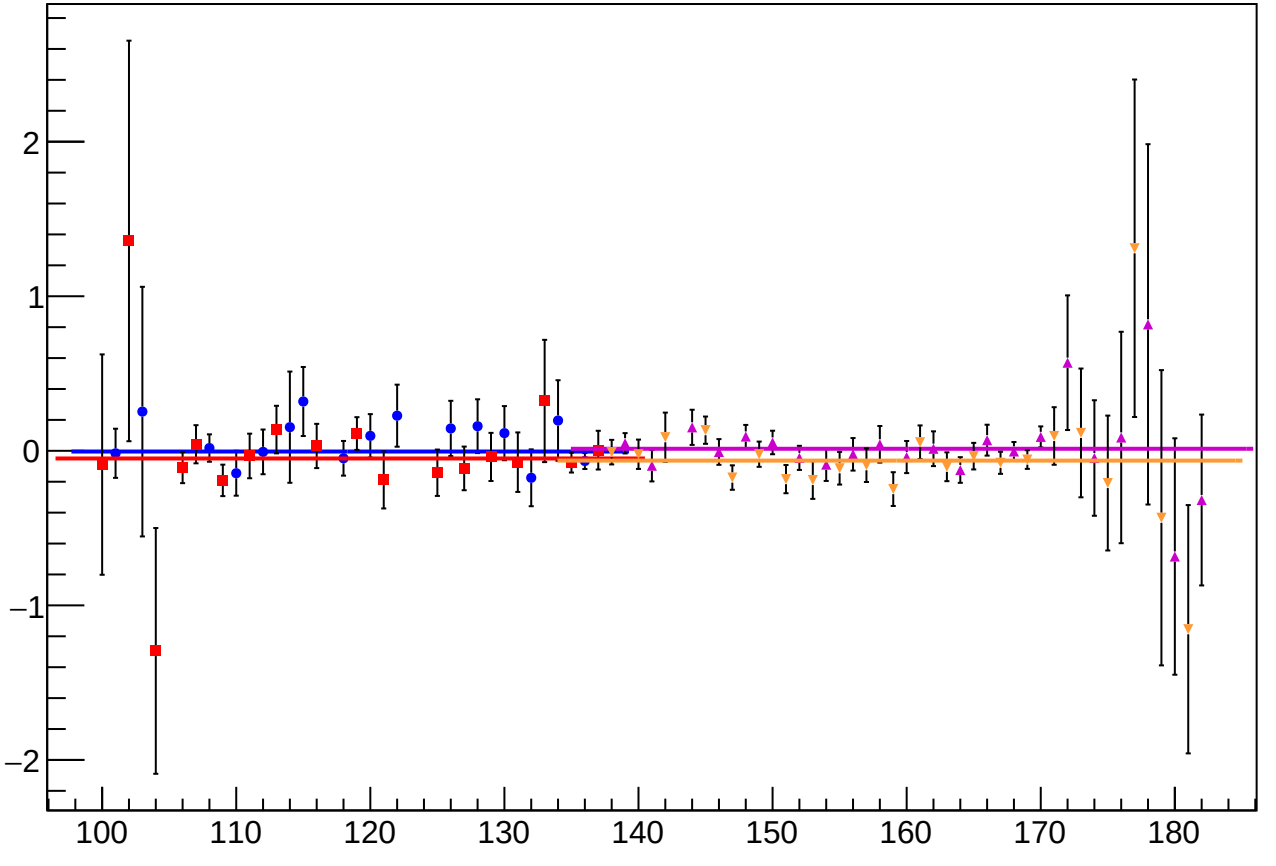
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 73.740+/-0.012 χ^2/NDF:10970379.8/37

Out: 74.008+/-0.013 χ^2/NDF:10321797.4/39

All: 73.870+/-0.009 χ^2/NDF: 21292401.3/77

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:20.8/21

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.013+/-0.021 χ^2/NDF:14.1/21

Left: -0.023+/-0.015 χ^2/NDF: 41.1/43

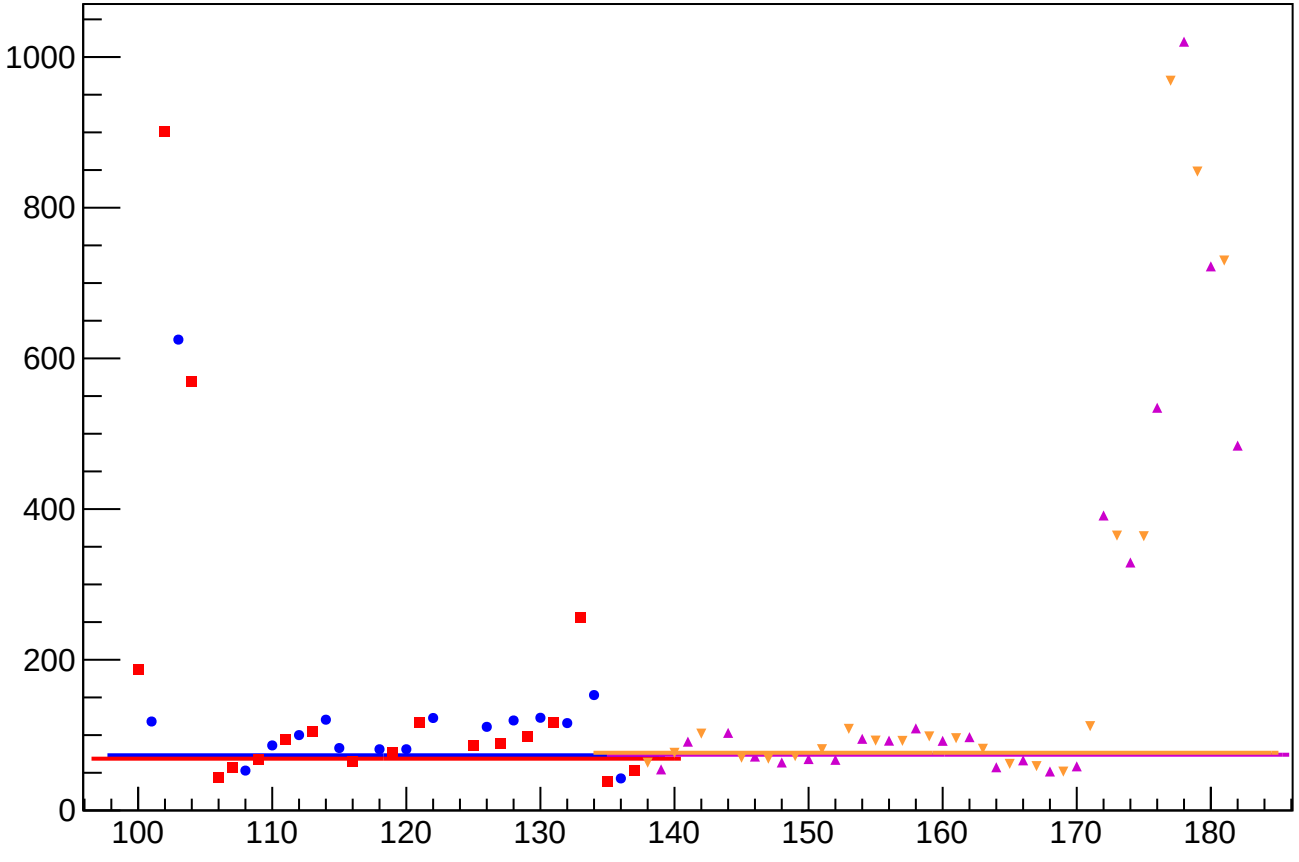
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:24.6/37

Out: -0.059+/-0.018 χ^2/NDF:33.9/39

All: -0.025+/-0.013 χ^2/NDF: 65.5/77

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: 76.590+/-0.016 χ^2/NDF:6907122.1/21

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 73.957+/-0.015 χ^2/NDF:8115075.6/21

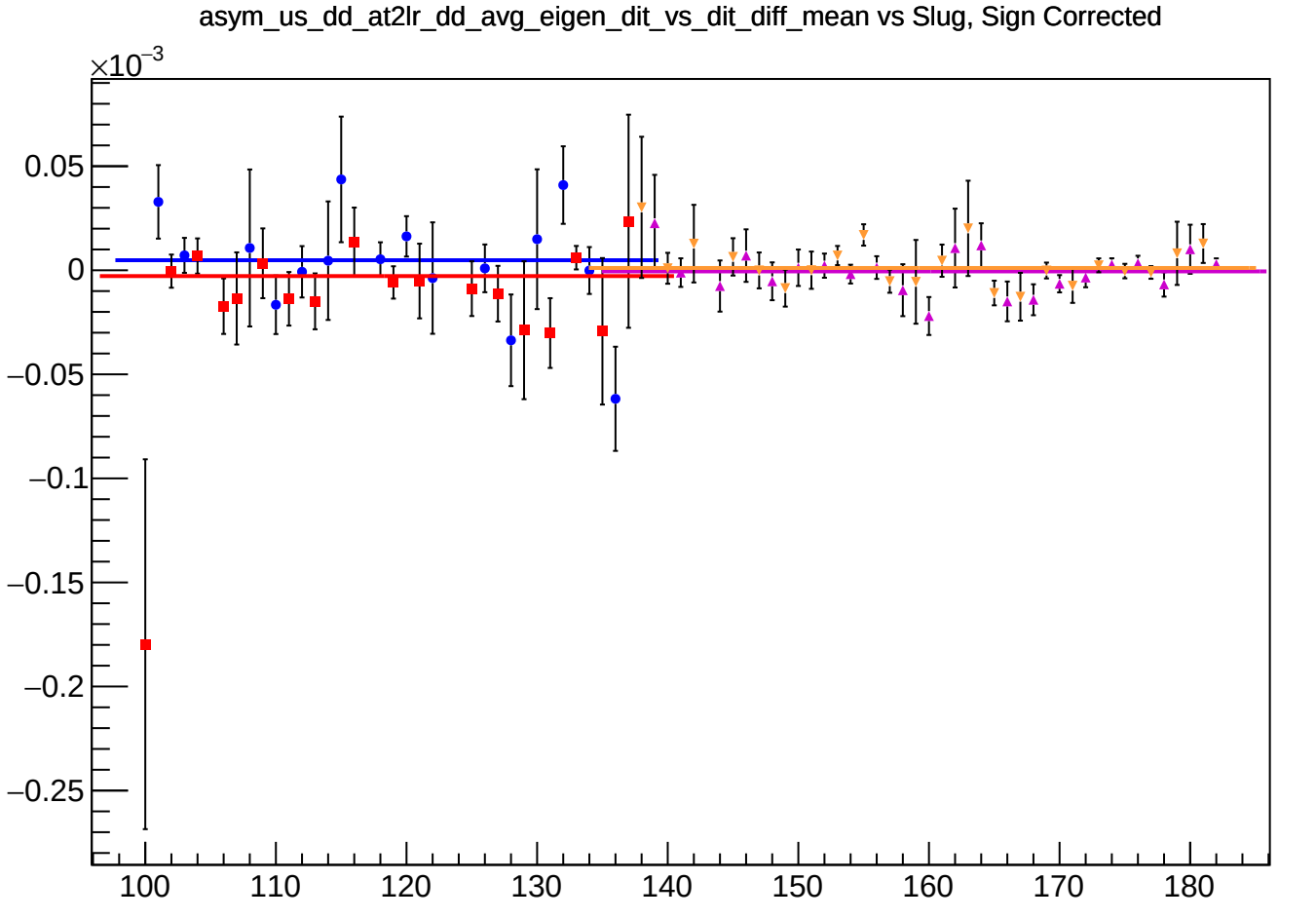
Left: 75.213+/-0.011 χ^2/NDF: 15037005.8/43

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

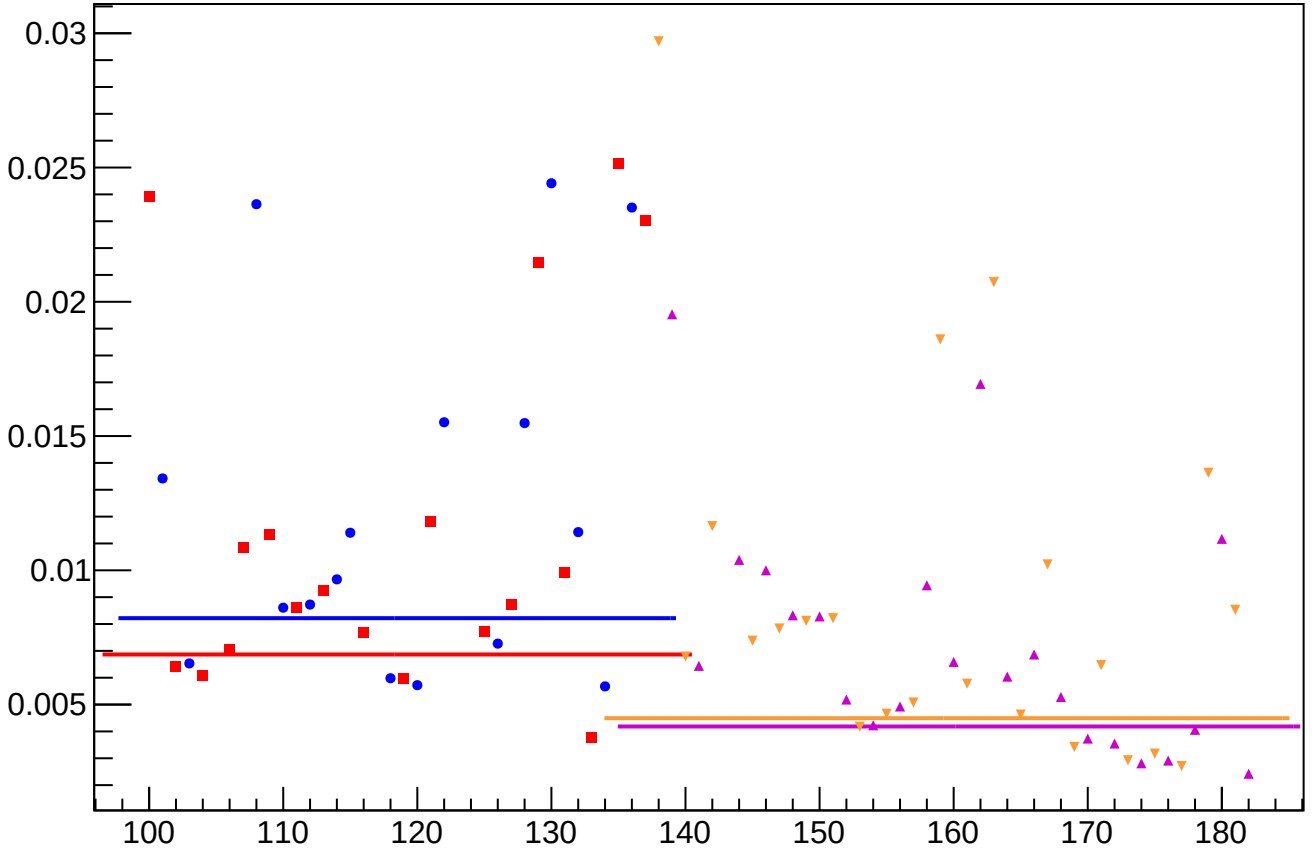
In: 73.740+/-0.012 χ^2/NDF:10970379.8/37

Out: 74.008+/-0.013 χ^2/NDF:10321797.4/39

All: 73.870+/-0.009 χ^2/NDF: 21292401.3/77


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:25.6/21
Right Out: -0.000+/-0.000 χ²/NDF: 16.8/17
Left In: -0.000+/-0.000 χ²/NDF:24.1/21
Left: 0.000+/-0.000 χ²/NDF: 50.6/43
Right: 0.000+/-0.000 χ²/NDF: 42.2/33
In: 0.000+/-0.000 χ²/NDF:48.8/37
Out: 0.000+/-0.000 χ²/NDF:44.0/39
All: 0.000+/-0.000 χ²/NDF: 92.8/77

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: 0.004+/-0.000 χ^2/NDF:8138098.3/21

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.004+/-0.000 χ^2/NDF:6850398.8/21

Left: 0.004+/-0.000 χ^2/NDF: 15051062.3/43

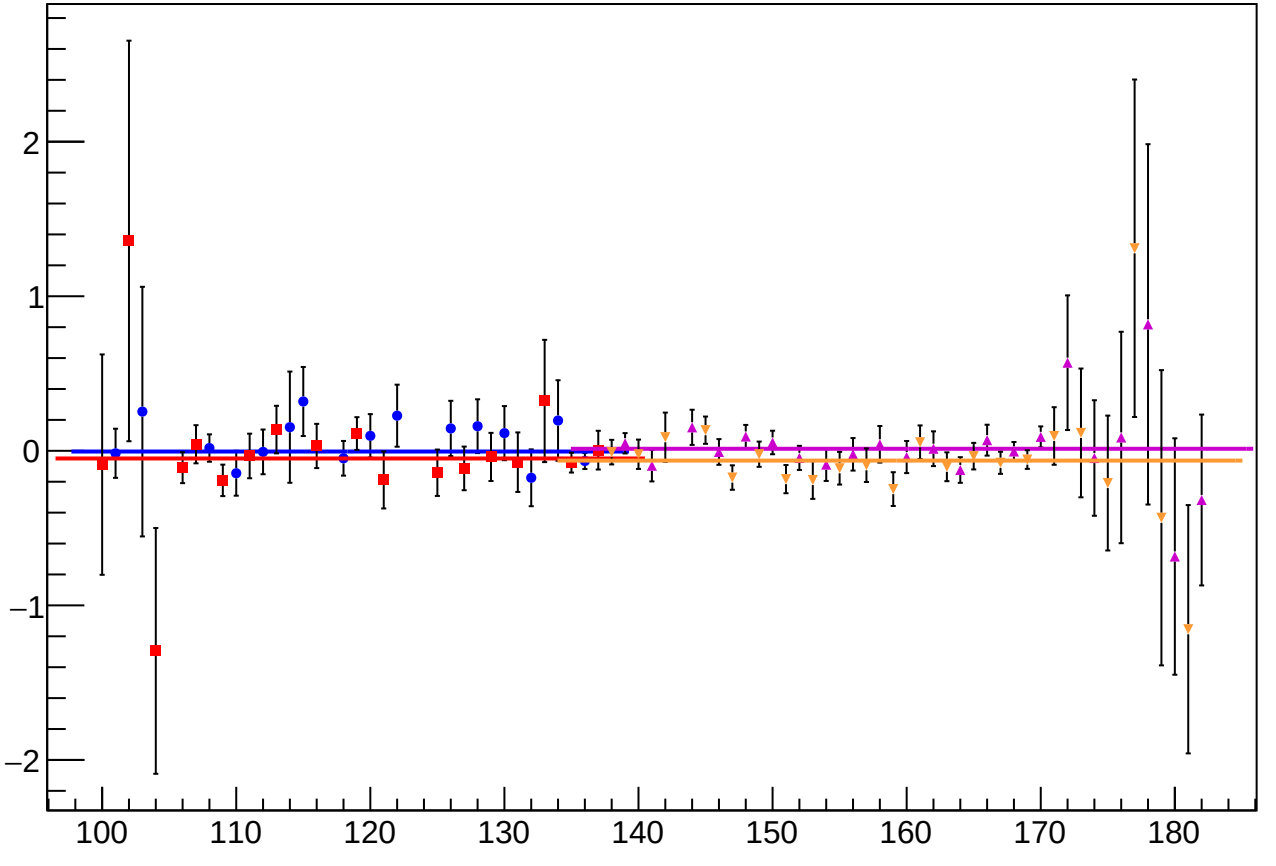
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.005+/-0.000 χ^2/NDF:11889682.7/37

Out: 0.005+/-0.000 χ^2/NDF:11733144.7/39

All: 0.005+/-0.000 χ^2/NDF: 23678020.7/77

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:20.8/21

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.013+/-0.021 χ^2/NDF:14.1/21

Left: -0.023+/-0.015 χ^2/NDF: 41.1/43

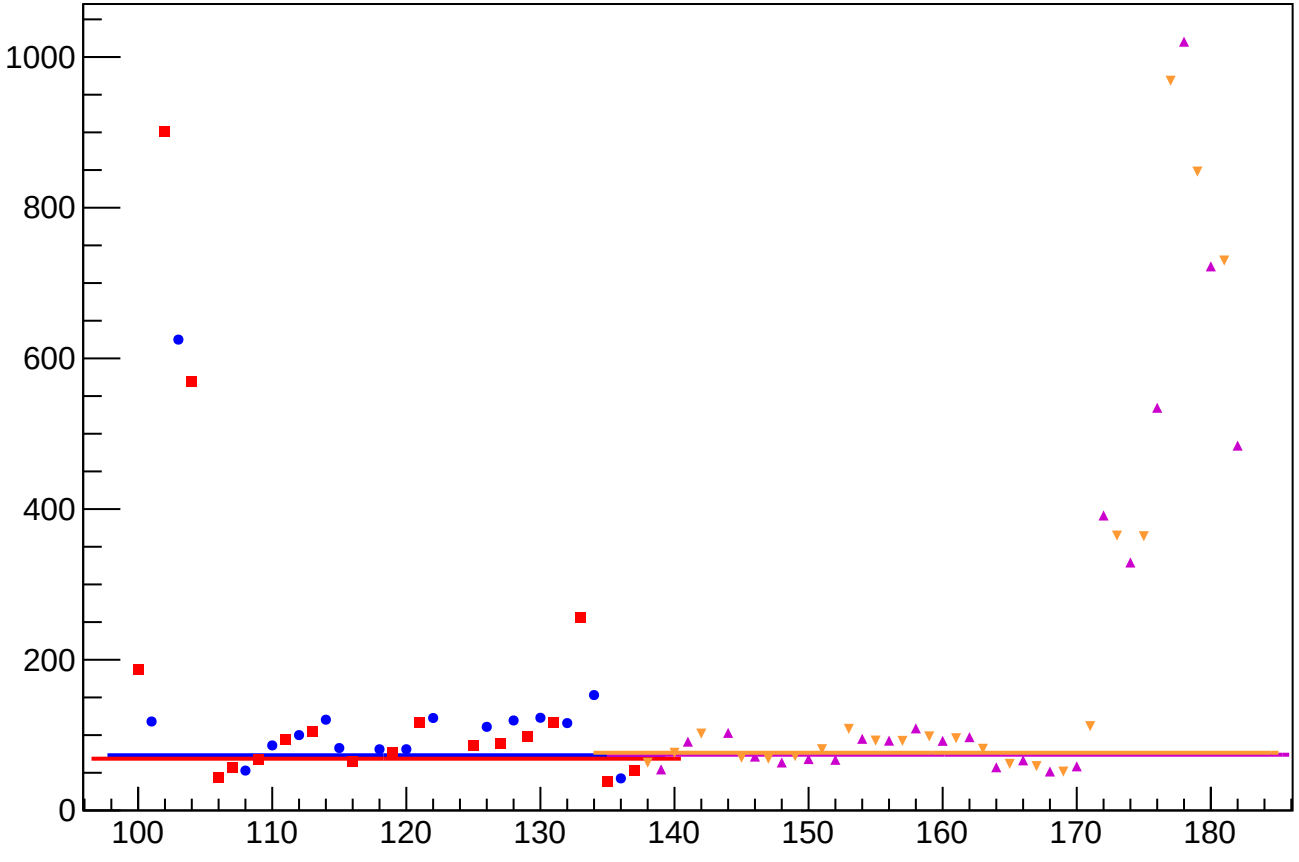
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:24.6/37

Out: -0.059+/-0.018 χ^2/NDF:33.9/39

All: -0.025+/-0.013 χ^2/NDF: 65.5/77

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: 76.590+/-0.016 χ^2/NDF:6907034.8/21

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 73.958+/-0.015 χ^2/NDF:8114790.3/21

Left: 75.213+/-0.011 χ^2/NDF: 15036615.6/43

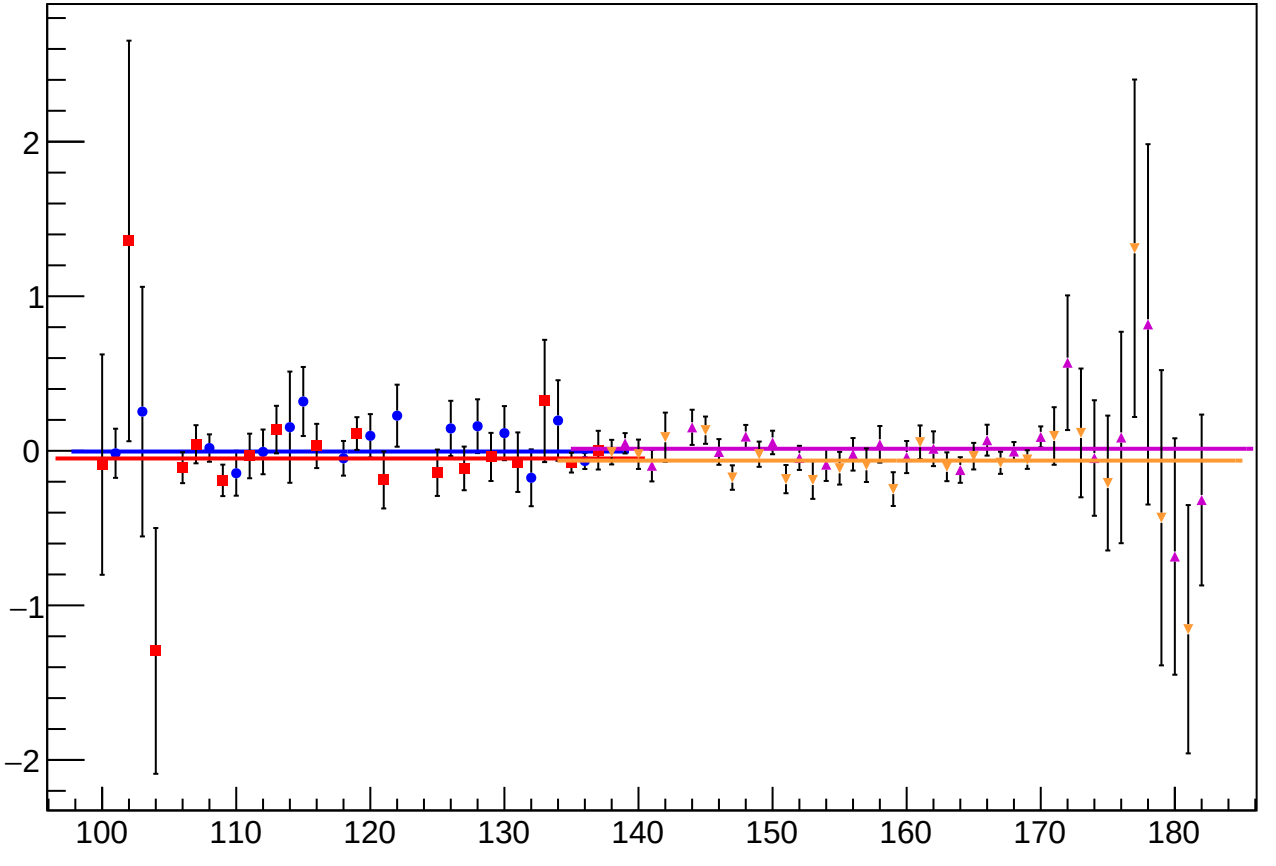
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 73.748+/-0.012 χ^2/NDF:10967754.3/37

Out: 74.004+/-0.013 χ^2/NDF:10322950.1/39

All: 73.873+/-0.009 χ^2/NDF: 21290907.8/77

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:20.8/21

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.013+/-0.021 χ^2/NDF:14.1/21

Left: -0.023+/-0.015 χ^2/NDF: 41.1/43

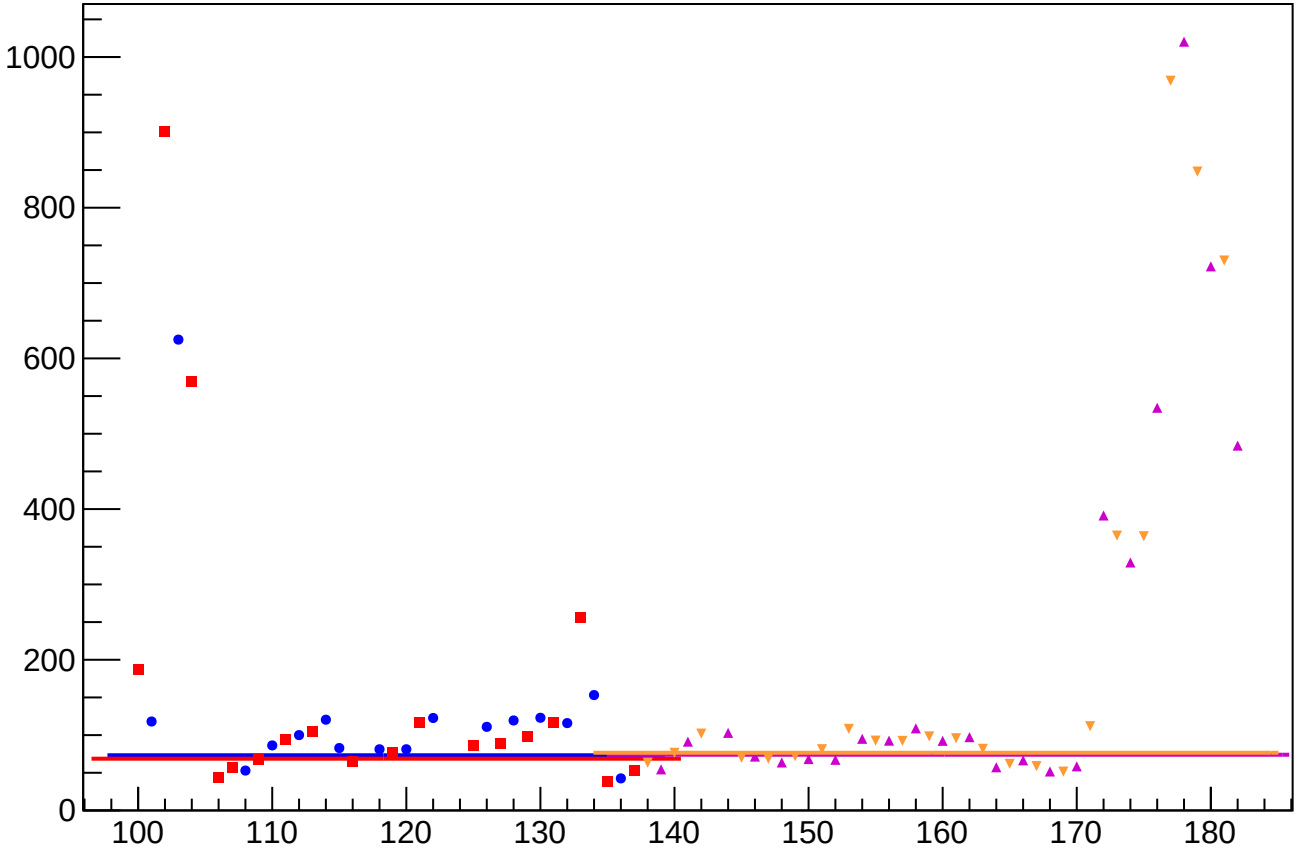
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:24.6/37

Out: -0.059+/-0.018 χ^2/NDF:33.9/39

All: -0.025+/-0.013 χ^2/NDF: 65.5/77

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: 76.590+/-0.016 χ^2/NDF:6907034.8/21

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 73.958+/-0.015 χ^2/NDF:8114790.3/21

Left: 75.213+/-0.011 χ^2/NDF: 15036615.6/43

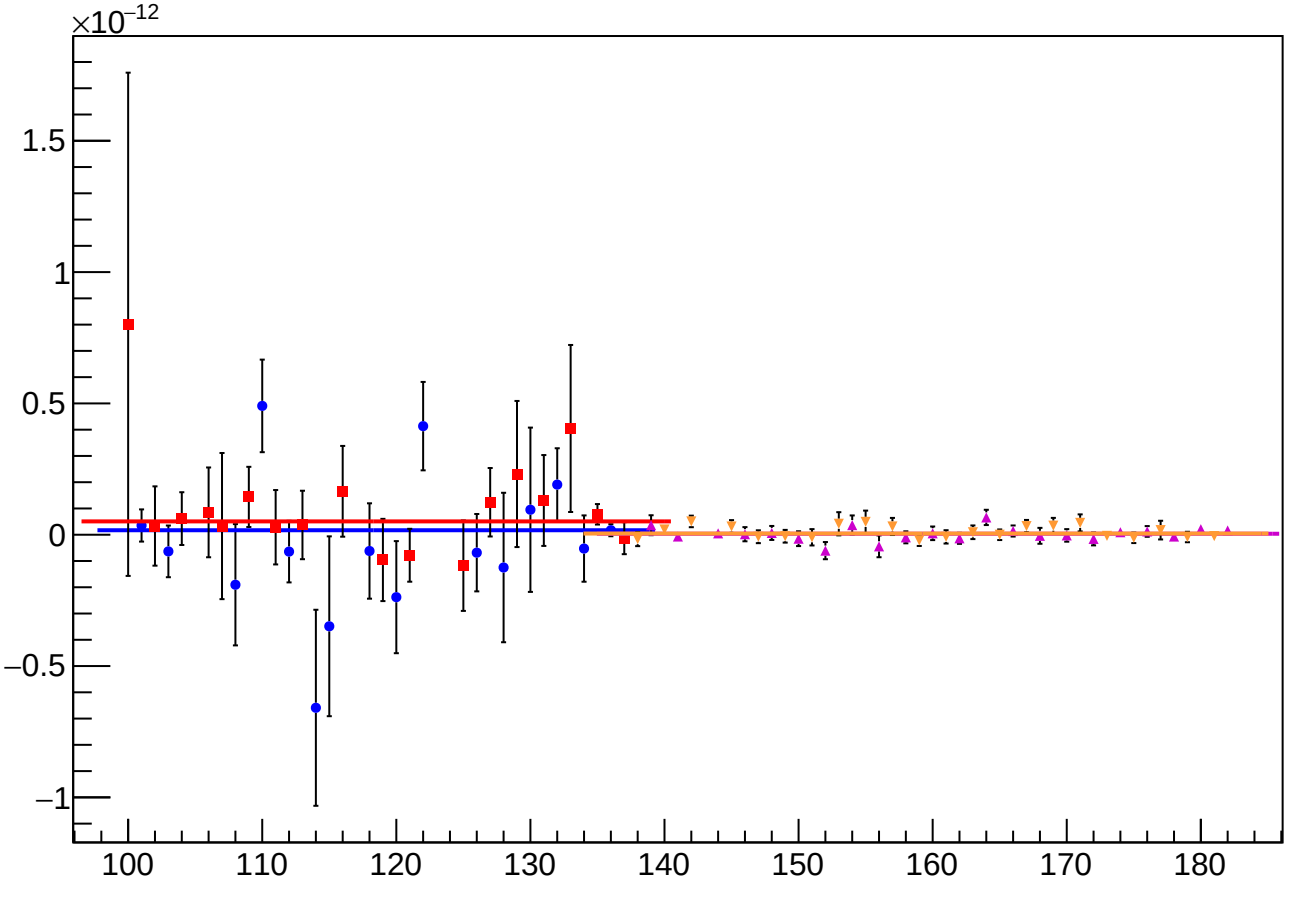
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 73.748+/-0.012 χ^2/NDF:10967754.3/37

Out: 74.004+/-0.013 χ^2/NDF:10322950.1/39

All: 73.873+/-0.009 χ^2/NDF: 21290907.8/77

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:18.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:16.4/21

Left: 0.000+/-0.000 χ^2/NDF: 35.3/43

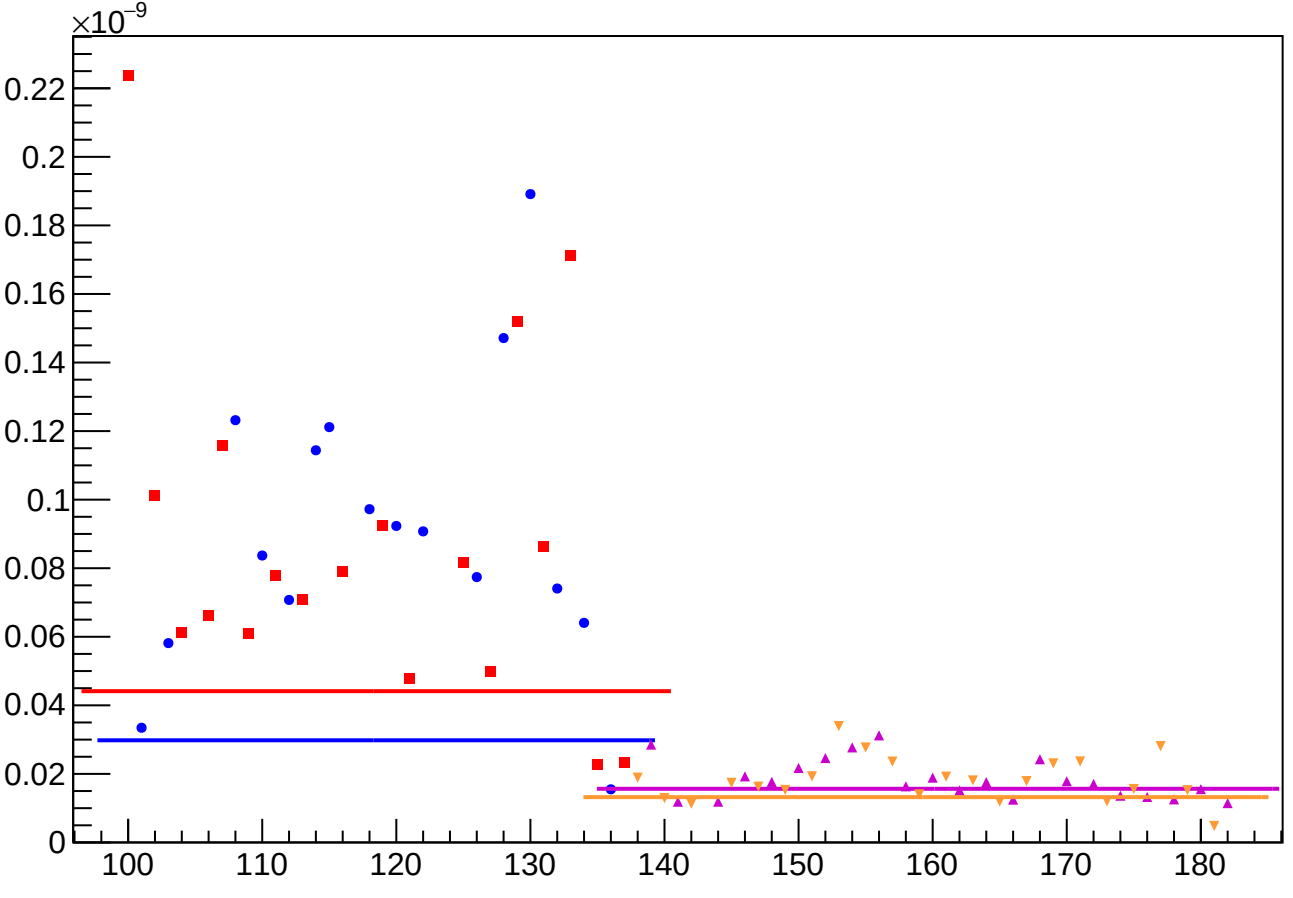
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:40.2/37

Out: 0.000+/-0.000 χ^2/NDF:31.3/39

All: 0.000+/-0.000 χ^2/NDF: 71.6/77

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4079776.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4236436.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2779318.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1761182.8/21

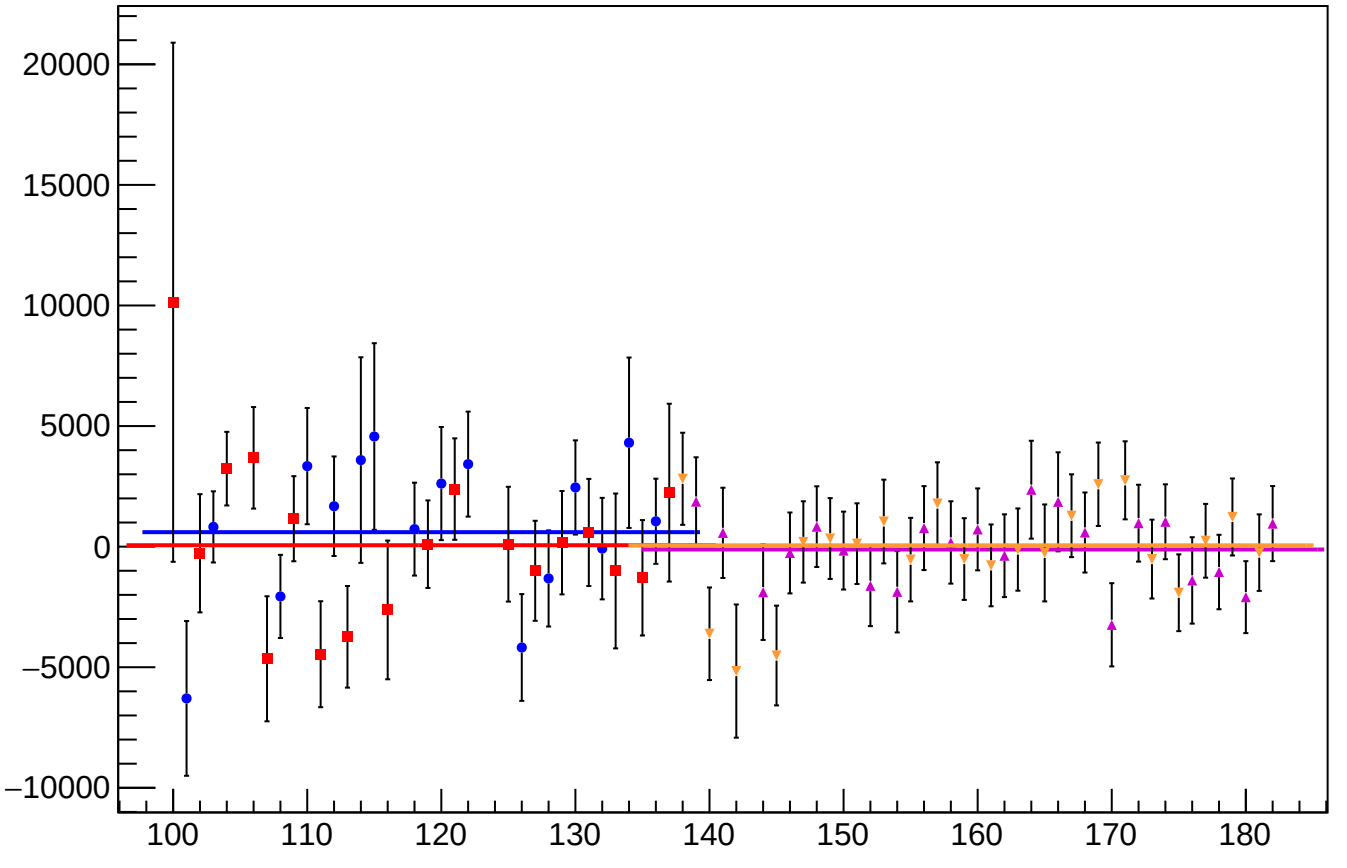
Left: 0.000+/-0.000 χ^2/NDF: 6272351.6/43

Right: 0.000+/-0.000 χ^2/NDF: 7274202.8/33

In: 0.000+/-0.000 χ^2/NDF:6848438.2/37

Out: 0.000+/-0.000 χ^2/NDF:10023964.1/39

All: 0.000+/-0.000 χ^2/NDF: 17122147.5/77



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: 54.925+/-369.864 χ^2/NDF:23.7/21

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: -119.225+/-363.208 χ^2/NDF:14.9/21

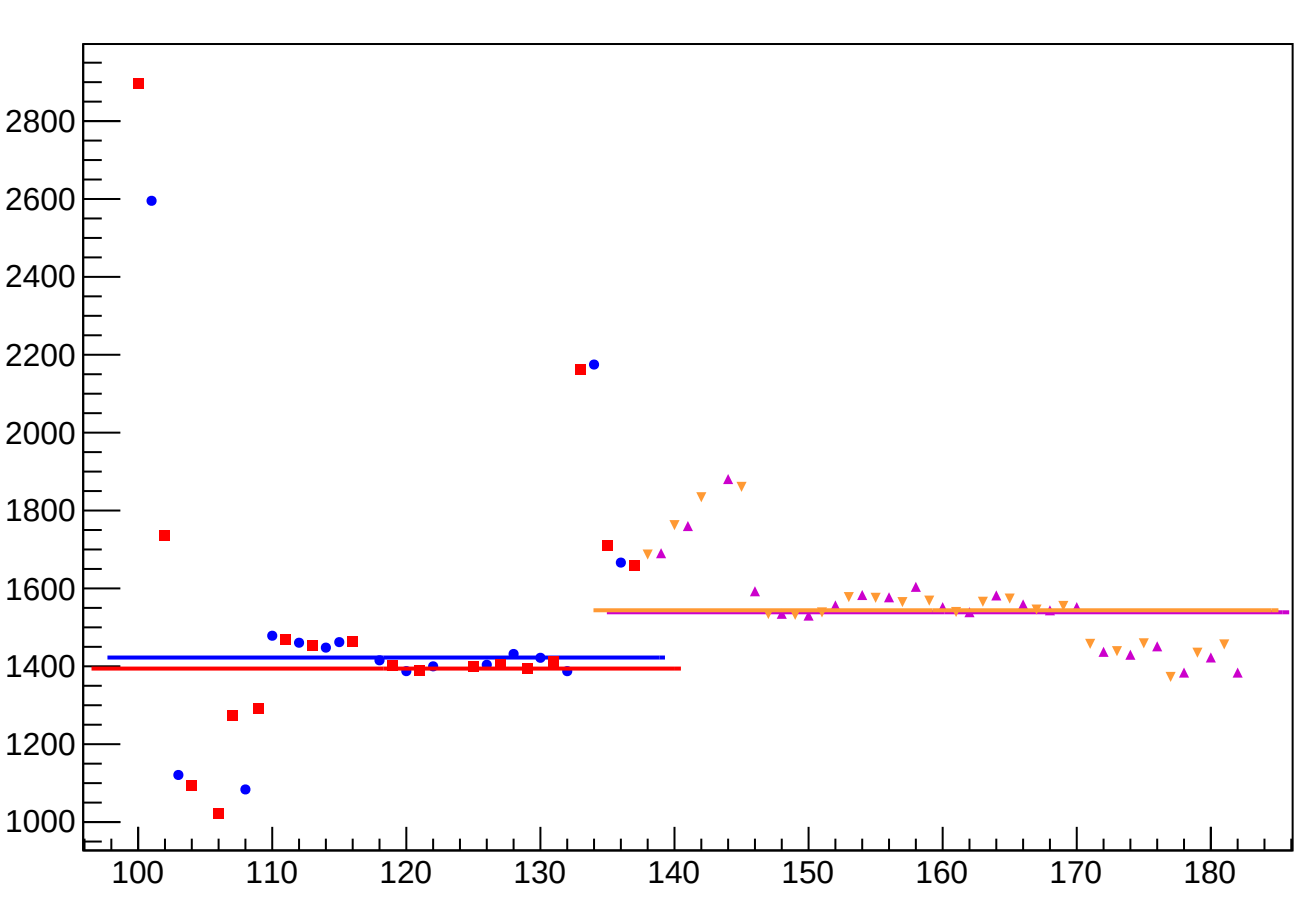
Left: -33.731+/-259.148 χ^2/NDF: 38.7/43

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 104.817+/-301.387 χ^2/NDF:36.4/37

Out: 56.289+/-303.348 χ^2/NDF:46.3/39

All: 80.710+/-213.803 χ^2/NDF: 82.7/77



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1543.877+/-0.262 χ^2/NDF:169528.1/21

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1538.705+/-0.257 χ^2/NDF:184946.7/21

Left: 1541.244+/-0.183 χ^2/NDF: 354674.0/43

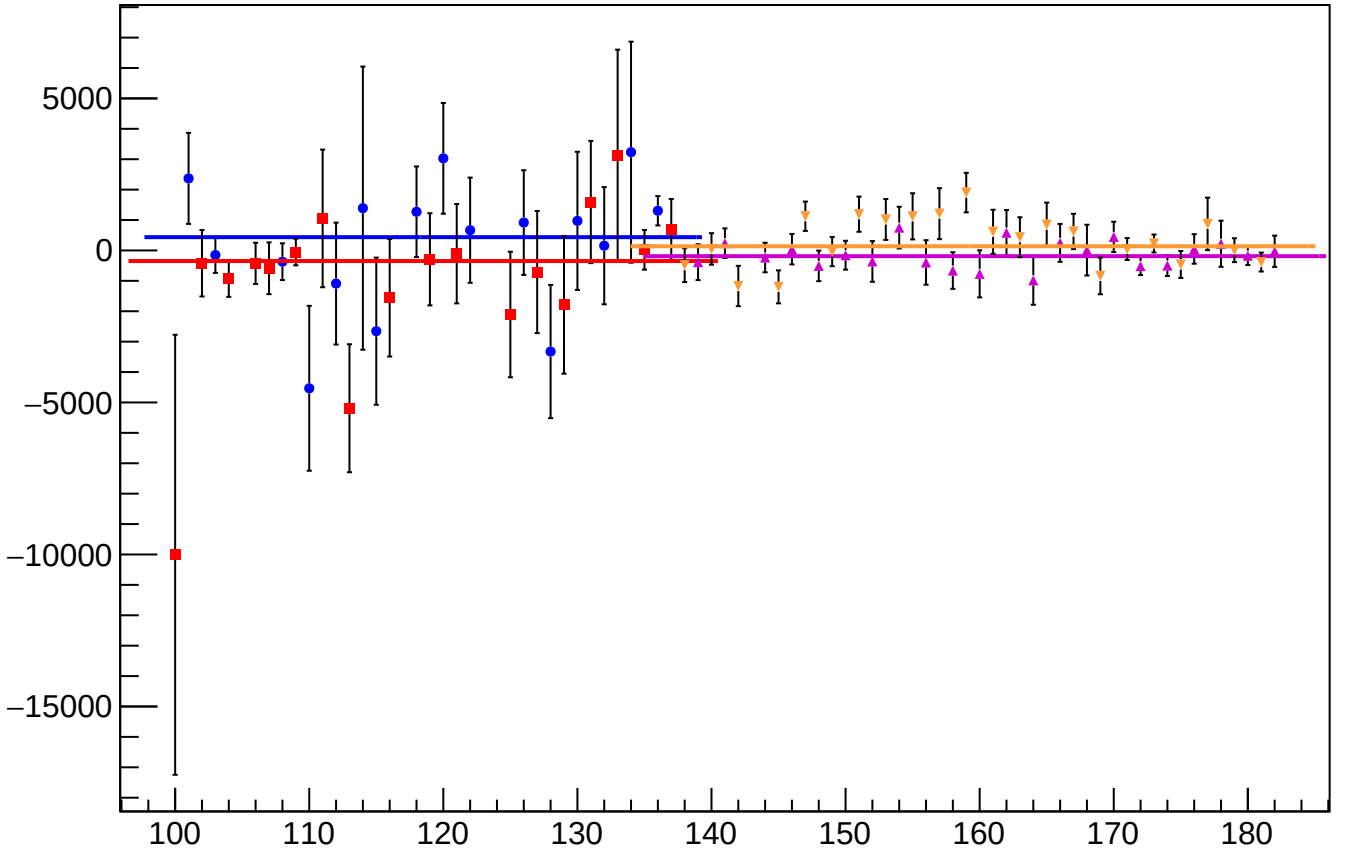
Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1502.518+/-0.213 χ^2/NDF:808949.4/37

Out: 1494.873+/-0.214 χ^2/NDF:670450.2/39

All: 1498.720+/-0.151 χ^2/NDF: 1480039.0/77

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 136.835+/-107.689 χ^2/NDF:41.8/21

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -188.528+/-107.818 χ^2/NDF:11.6/21

Left: -25.652+/-76.194 χ^2/NDF: 57.9/43

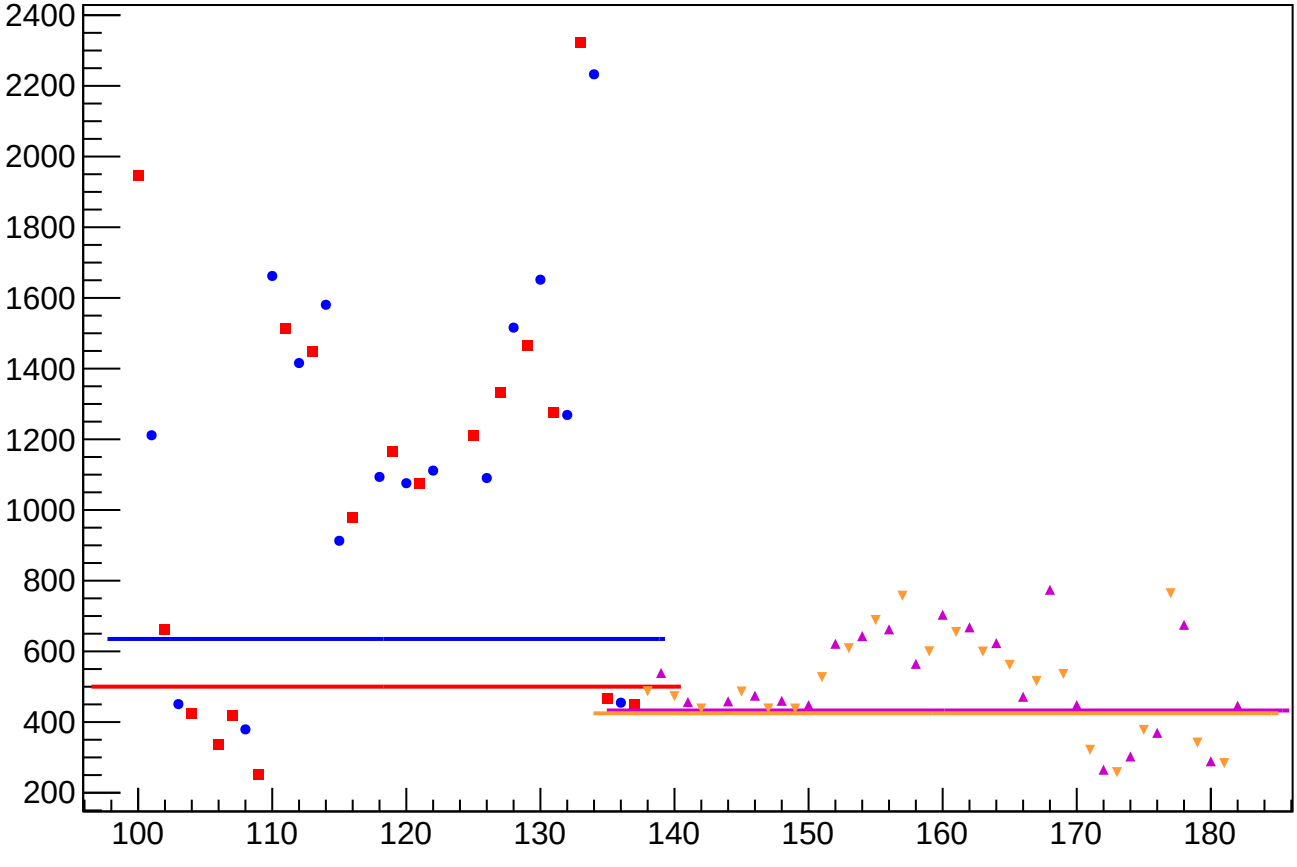
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: -105.730+/-100.424 χ^2/NDF:35.4/37

Out: 51.845+/-97.808 χ^2/NDF:59.3/39

All: -24.864+/-70.067 χ^2/NDF: 95.9/77

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: 424.763+/-0.076 χ^2/NDF:3150973.9/21

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 432.761+/-0.076 χ^2/NDF:3244990.5/21

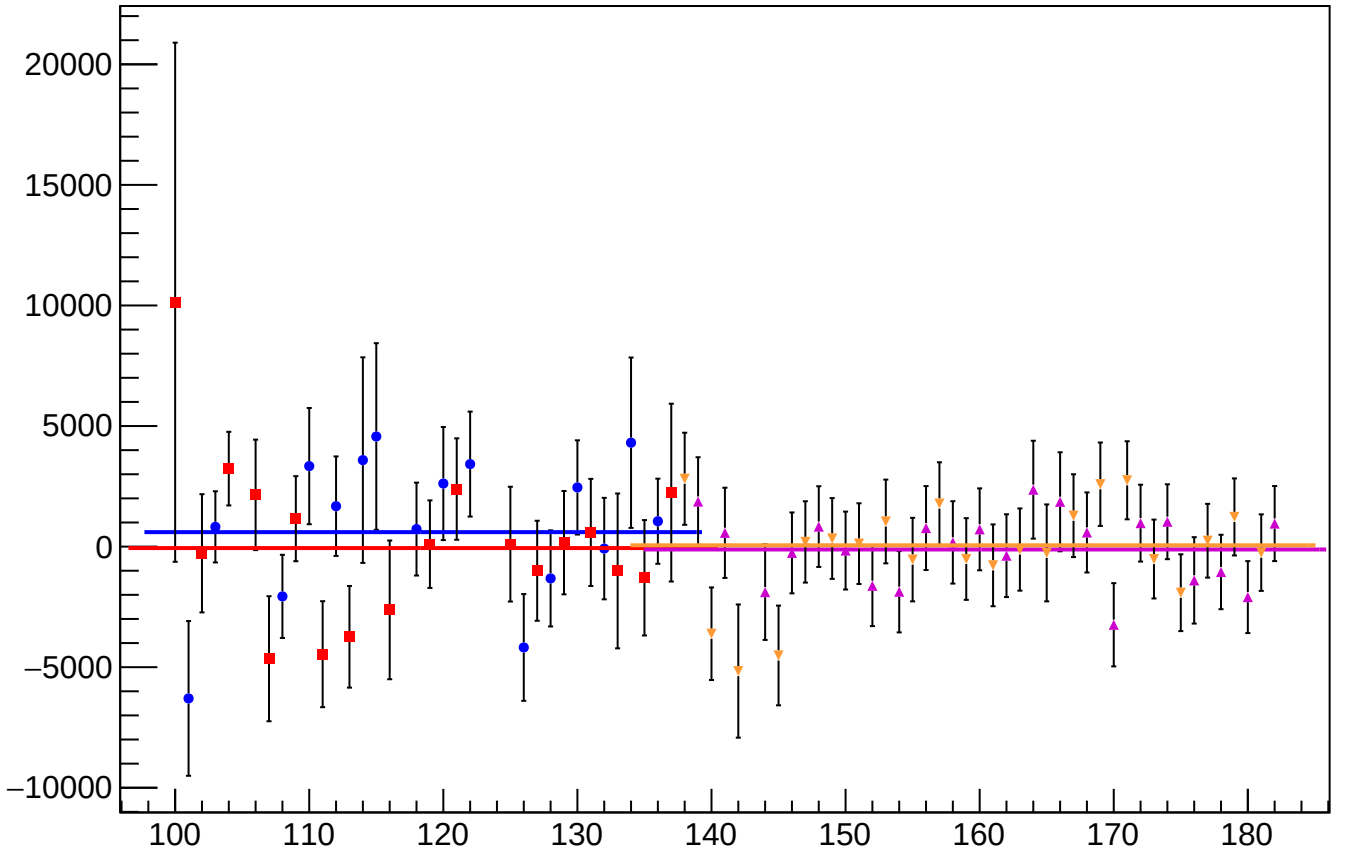
Left: 428.757+/-0.054 χ^2/NDF: 6401474.6/43

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 459.570+/-0.071 χ^2/NDF:7930970.5/37

Out: 437.977+/-0.069 χ^2/NDF:7632049.9/39

All: 448.488+/-0.050 χ^2/NDF: 15610473.3/77



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 54.877+/-369.864 χ^2/NDF:23.7/21

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: -119.290+/-363.208 χ^2/NDF:14.9/21

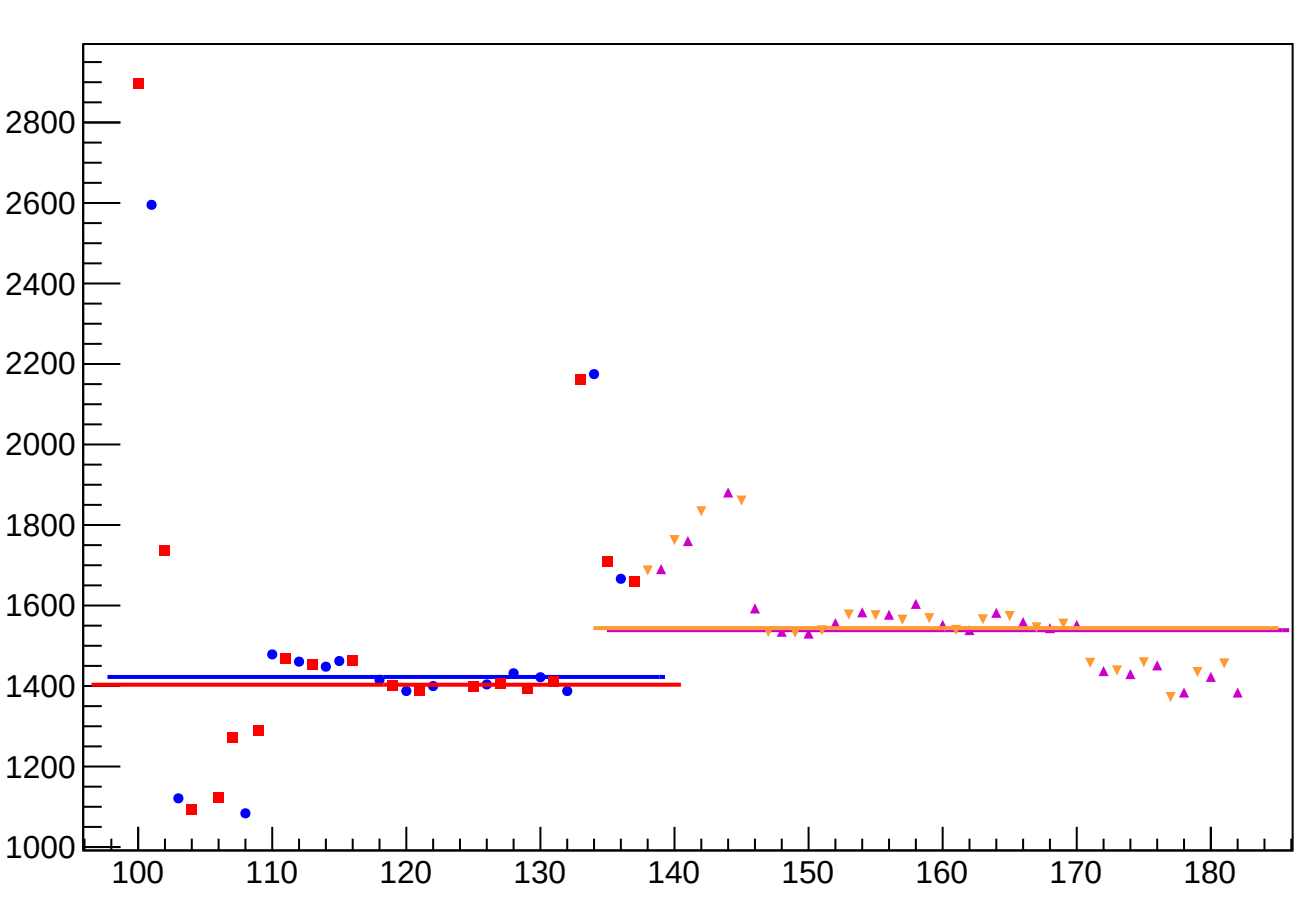
Left: -33.788+/-259.148 χ^2/NDF: 38.7/43

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 104.733+/-301.387 χ^2/NDF:36.4/37

Out: 17.405+/-303.836 χ^2/NDF:44.1/39

All: 61.423+/-213.974 χ^2/NDF: 80.6/77



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1543.877+/-0.262 χ^2/NDF:169528.1/21

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1538.705+/-0.257 χ^2/NDF:184946.7/21

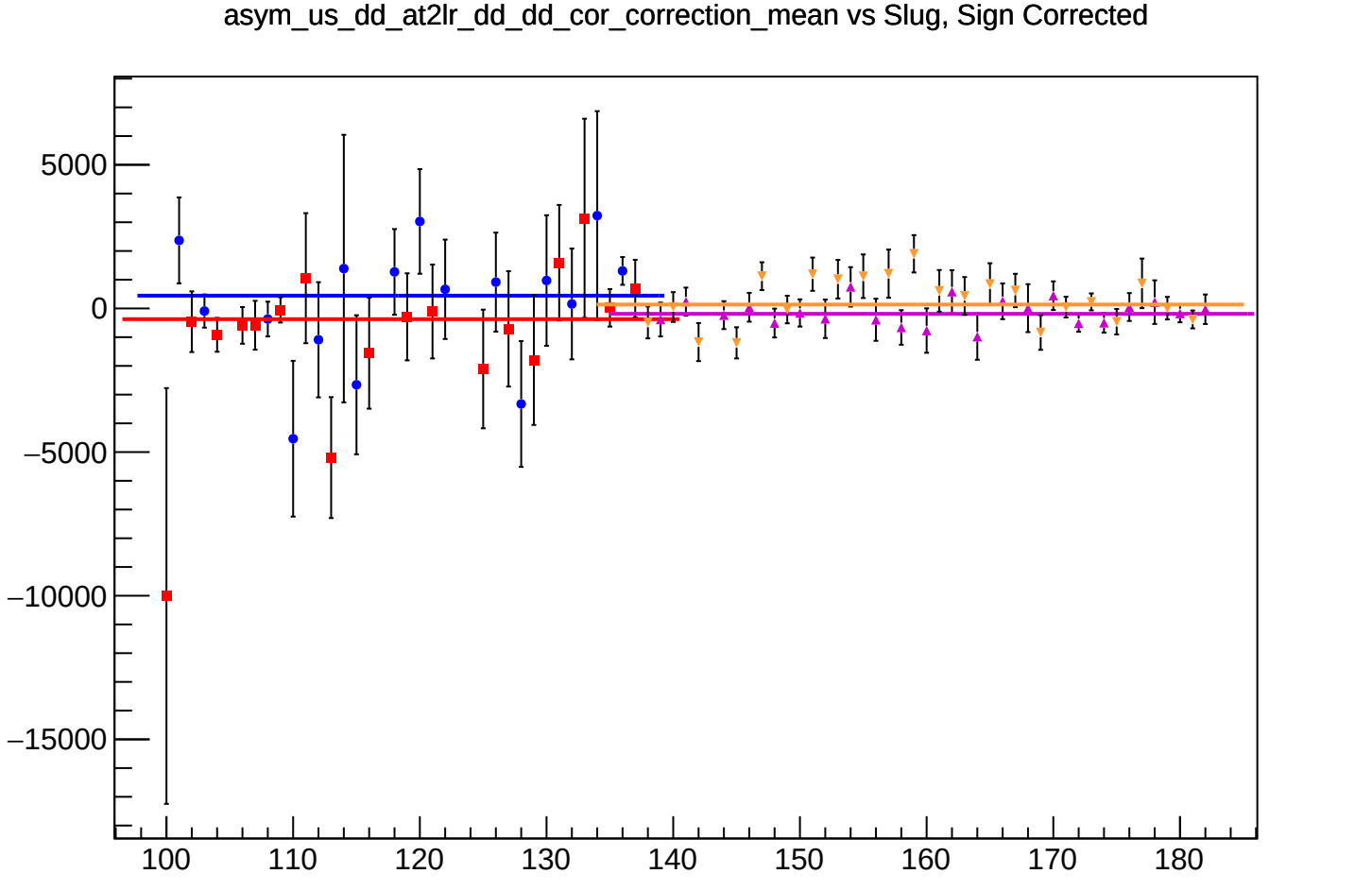
Left: 1541.244+/-0.183 χ^2/NDF: 354673.9/43

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1502.518+/-0.213 χ^2/NDF:808949.7/37

Out: 1498.140+/-0.215 χ^2/NDF:622696.5/39

All: 1500.347+/-0.151 χ^2/NDF: 1431855.6/77



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 136.835+/-107.690 χ^2/NDF:41.8/21

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -188.737+/-107.819 χ^2/NDF:11.6/21

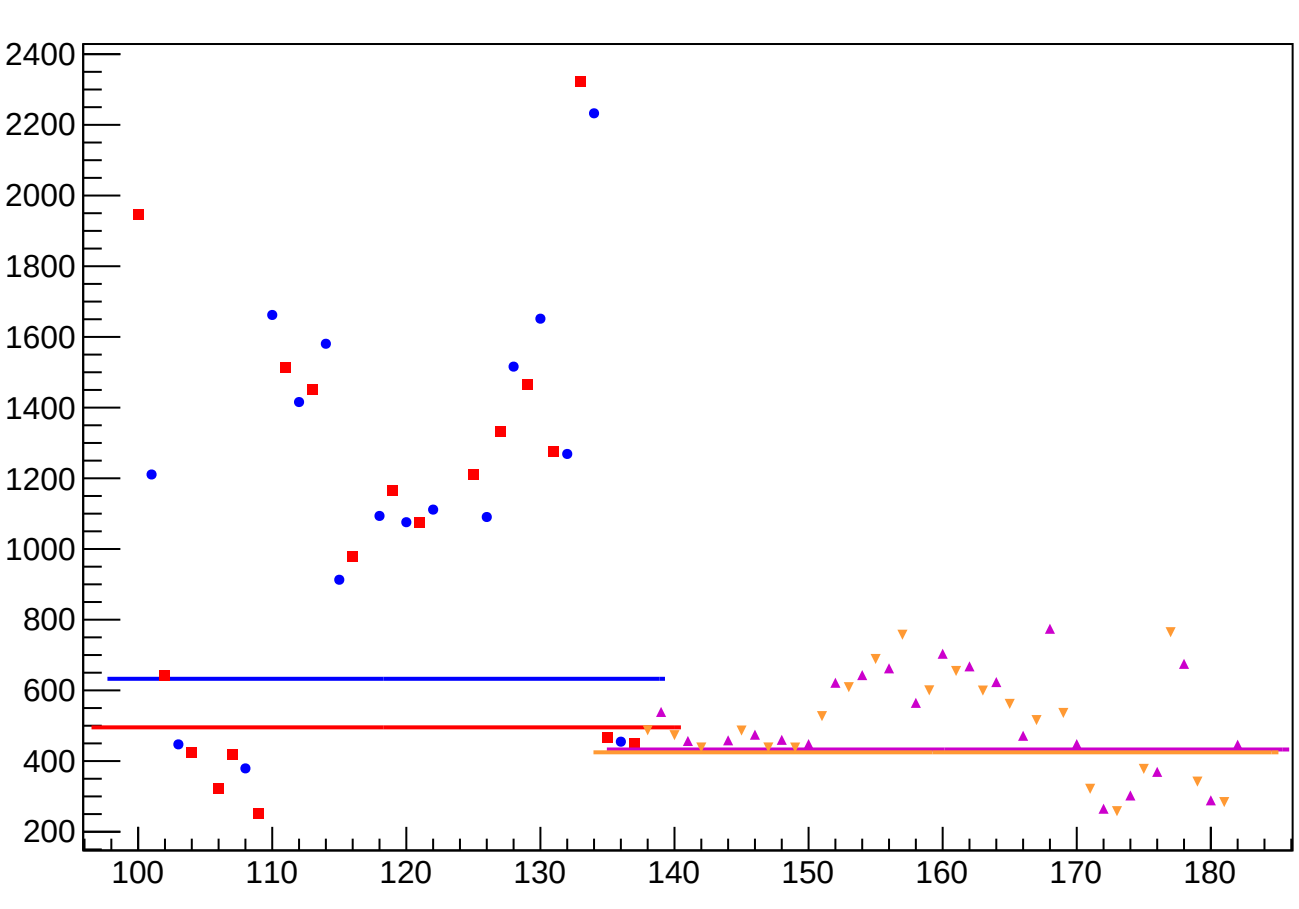
Left: -25.756+/-76.194 χ^2/NDF: 58.0/43

Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -104.144+/-100.366 χ^2/NDF:35.4/37

Out: 46.124+/-97.631 χ^2/NDF:59.8/39

All: -26.934+/-69.983 χ^2/NDF: 96.3/77



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 424.762+/-0.076 χ^2/NDF:3151201.1/21

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 432.764+/-0.076 χ^2/NDF:3244871.9/21

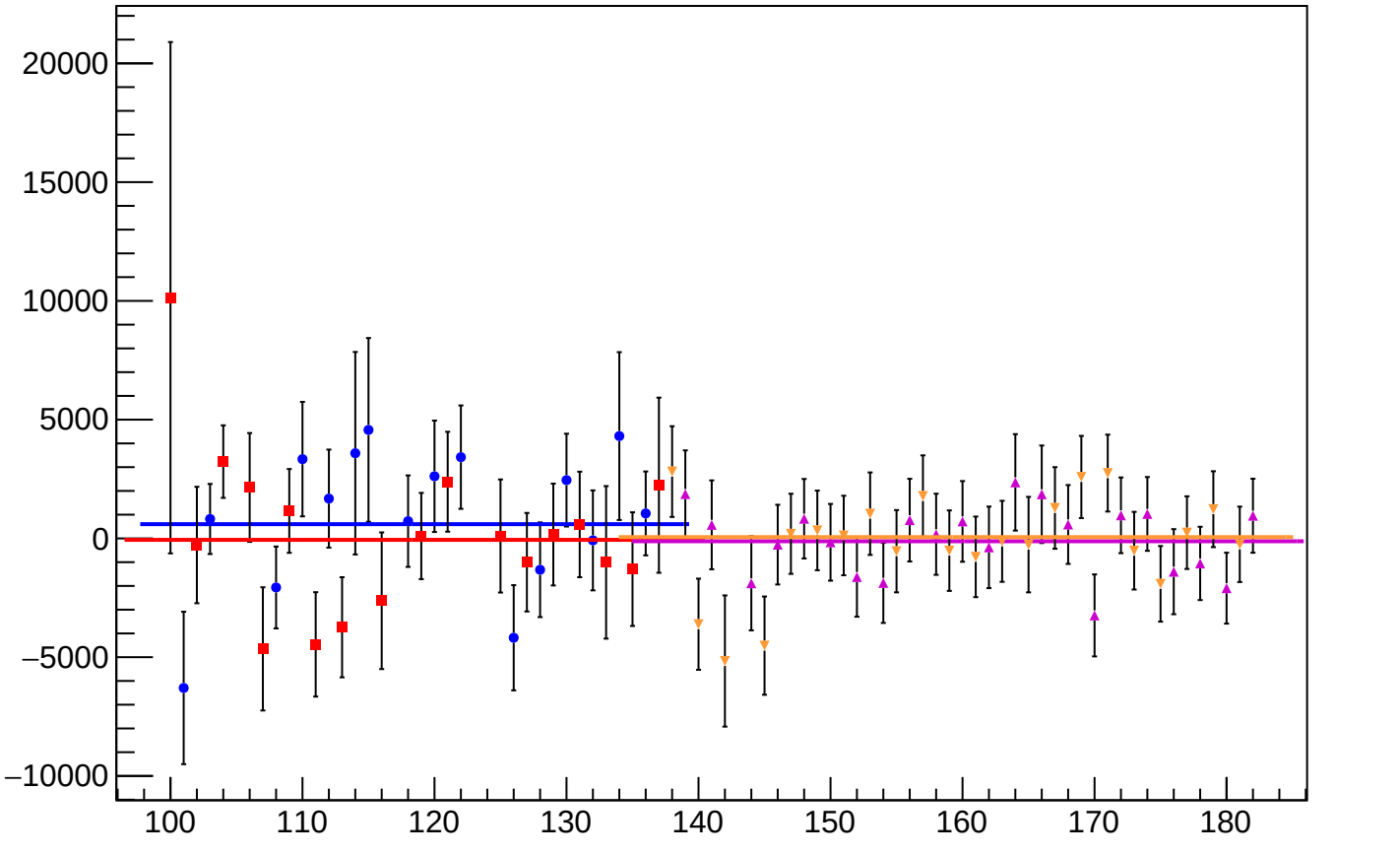
Left: 428.758+/-0.054 χ^2/NDF: 6401587.3/43

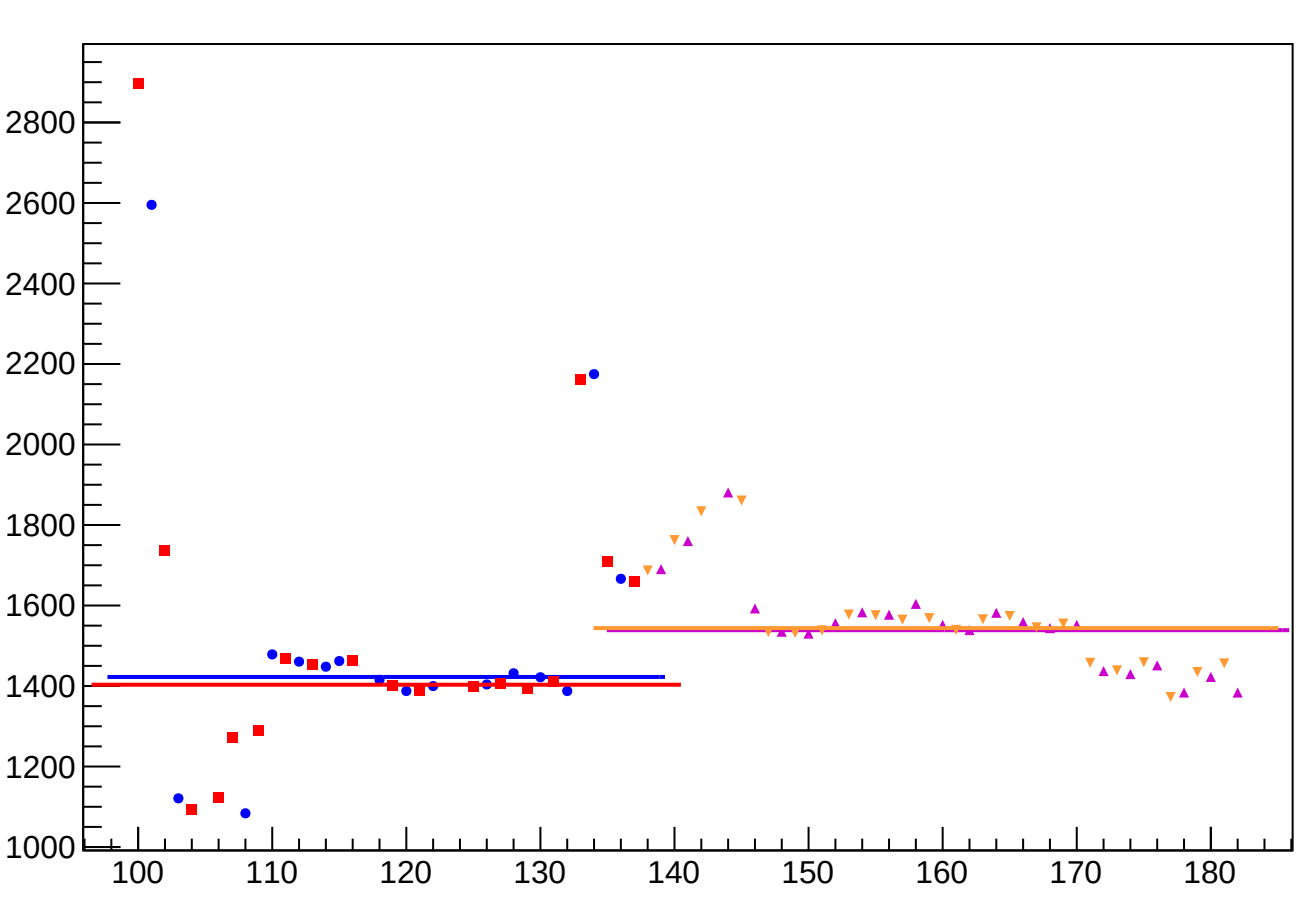
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 459.454+/-0.071 χ^2/NDF:7930931.2/37

Out: 437.338+/-0.069 χ^2/NDF:7641843.1/39

All: 448.090+/-0.049 χ^2/NDF: 15622669.9/77


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: 54.877+/-369.864 χ²/NDF:23.7/21
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: -119.290+/-363.208 χ²/NDF:14.9/21
Left: -33.788+/-259.148 χ²/NDF: 38.7/43
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 104.733+/-301.387 χ²/NDF:36.4/37
Out: 17.405+/-303.836 χ²/NDF:44.1/39
All: 61.423+/-213.974 χ²/NDF: 80.6/77



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1543.877+/-0.262 χ^2/NDF:169528.1/21

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1538.705+/-0.257 χ^2/NDF:184946.7/21

Left: 1541.244+/-0.183 χ^2/NDF: 354673.9/43

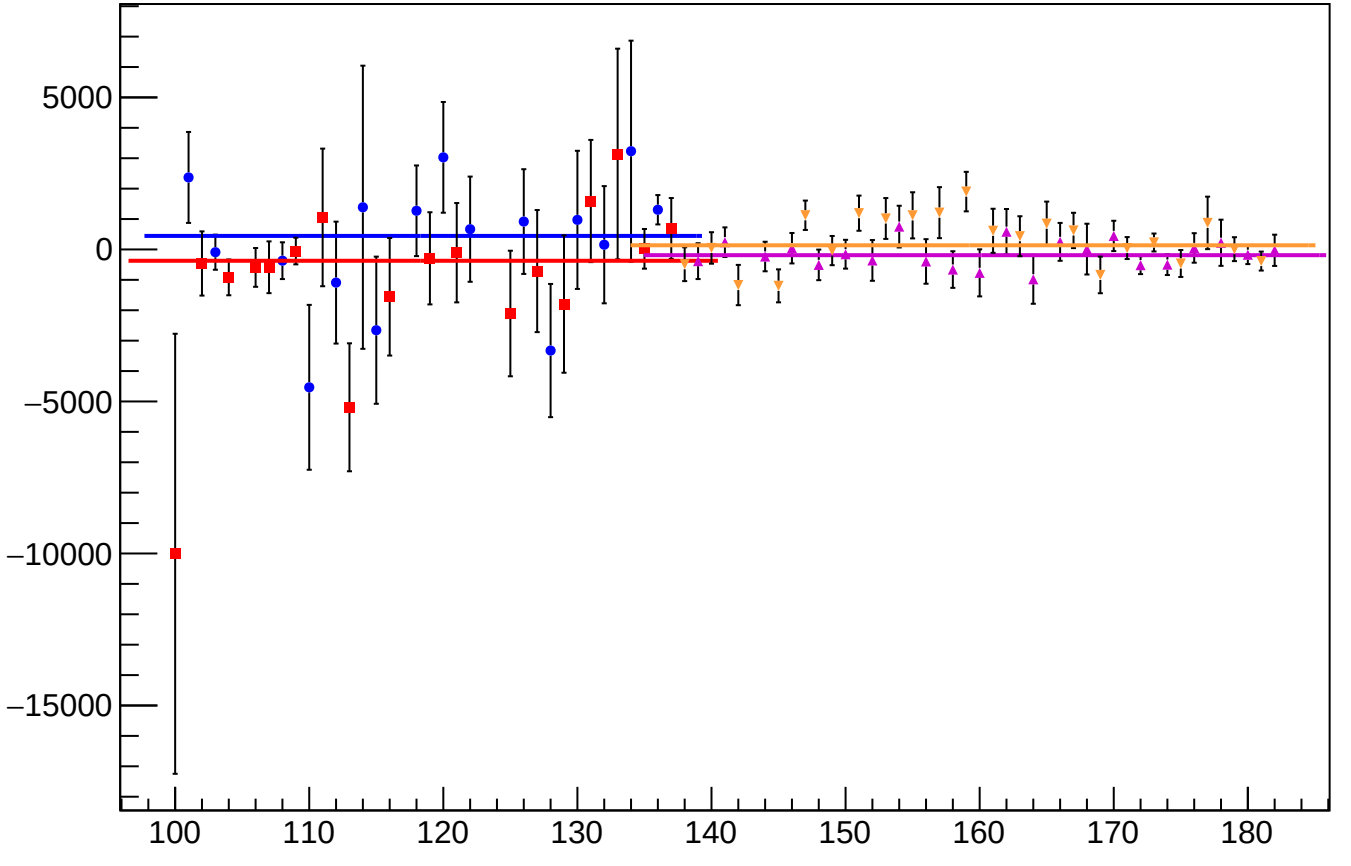
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1502.518+/-0.213 χ^2/NDF:808949.7/37

Out: 1498.140+/-0.215 χ^2/NDF:622696.5/39

All: 1500.347+/-0.151 χ^2/NDF: 1431855.6/77

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 136.835+/-107.690 χ^2/NDF:41.8/21

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -188.737+/-107.819 χ^2/NDF:11.6/21

Left: -25.756+/-76.194 χ^2/NDF: 58.0/43

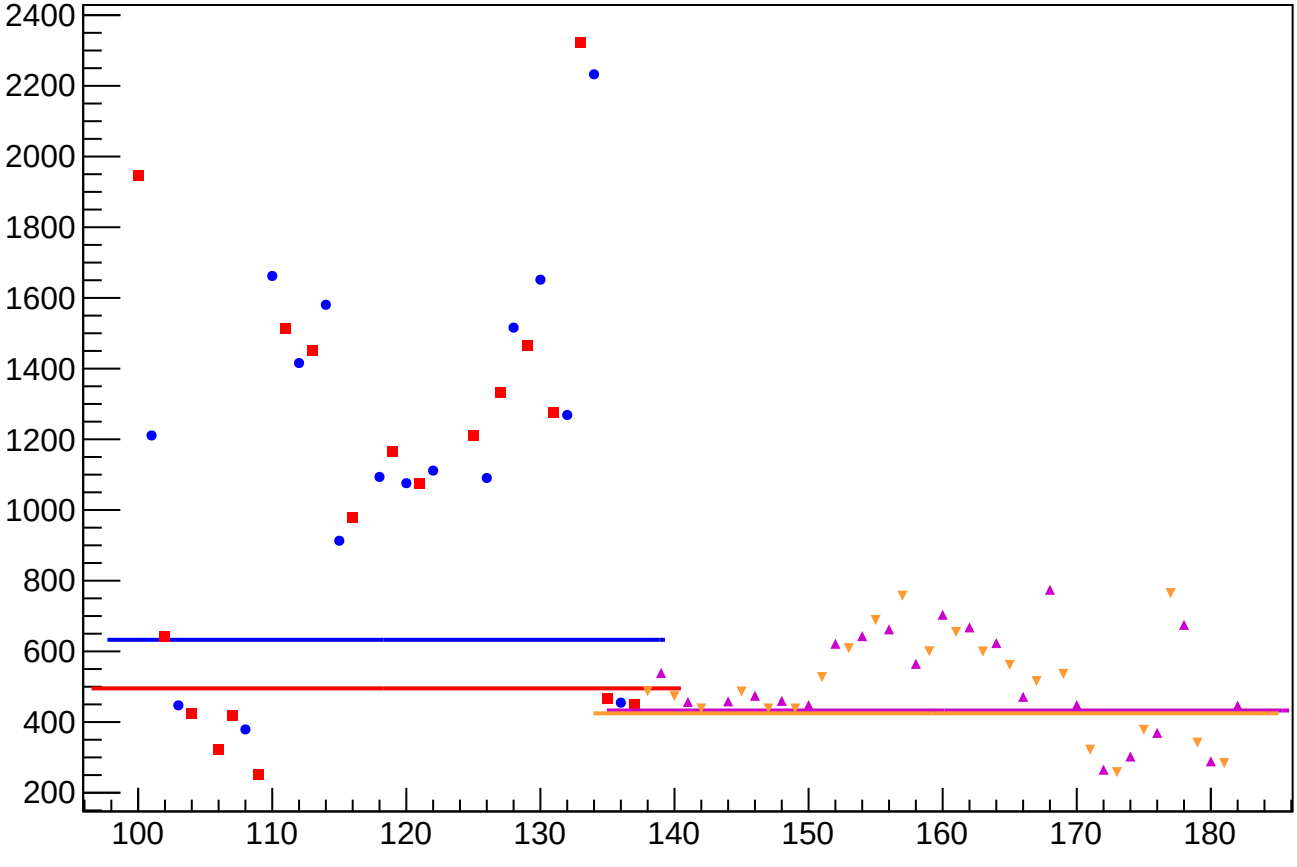
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -104.144+/-100.366 χ^2/NDF:35.4/37

Out: 46.124+/-97.631 χ^2/NDF:59.8/39

All: -26.934+/-69.983 χ^2/NDF: 96.3/77

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: 424.762+/-0.076 χ^2/NDF:3151201.1/21

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 432.764+/-0.076 χ^2/NDF:3244871.9/21

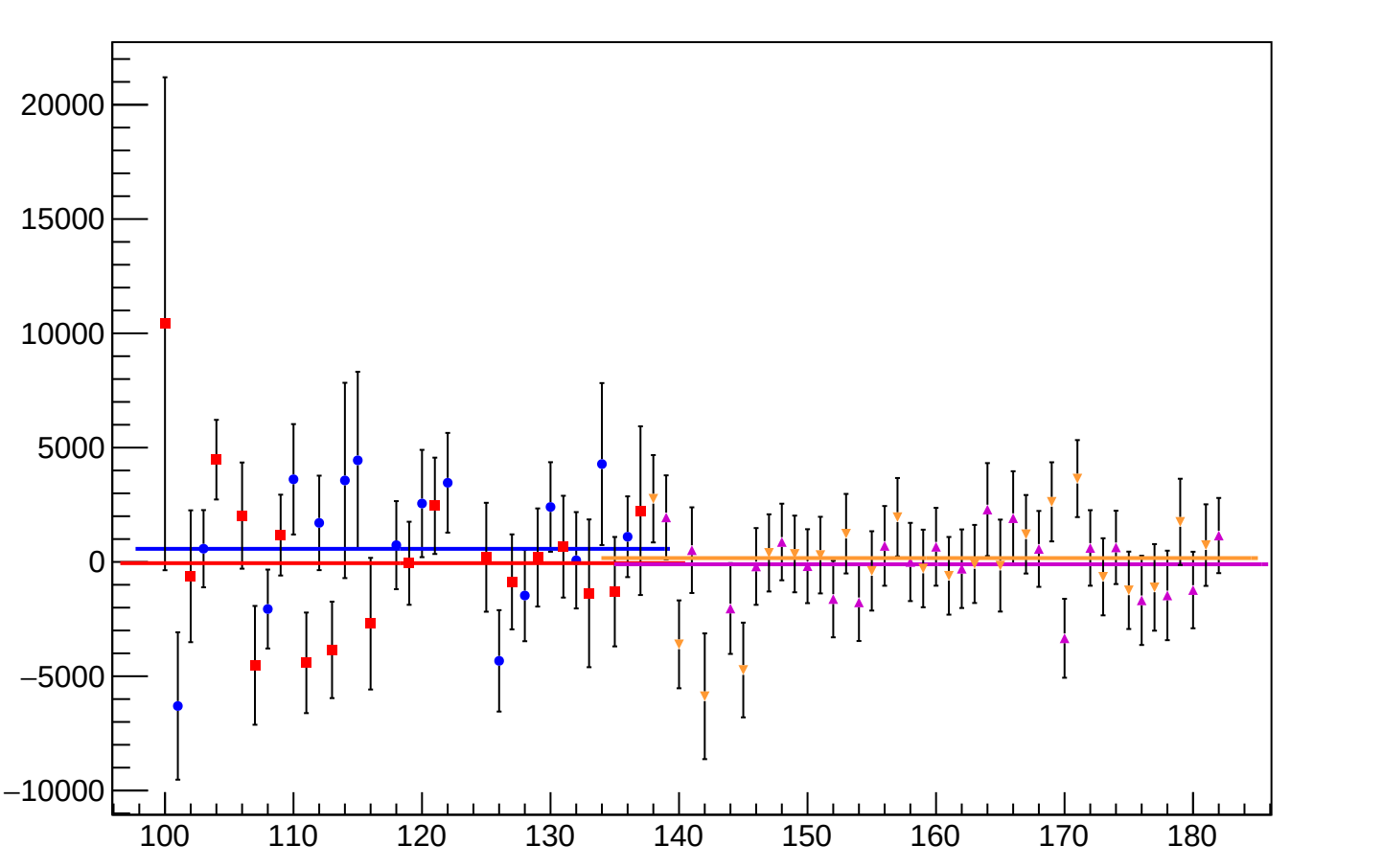
Left: 428.758+/-0.054 χ^2/NDF: 6401587.3/43

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 459.454+/-0.071 χ^2/NDF:7930931.2/37

Out: 437.338+/-0.069 χ^2/NDF:7641843.1/39

All: 448.090+/-0.049 χ^2/NDF: 15622669.9/77



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 168.680+/-381.840 χ^2/NDF:26.9/21

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: -102.826+/-373.442 χ^2/NDF:13.5/21

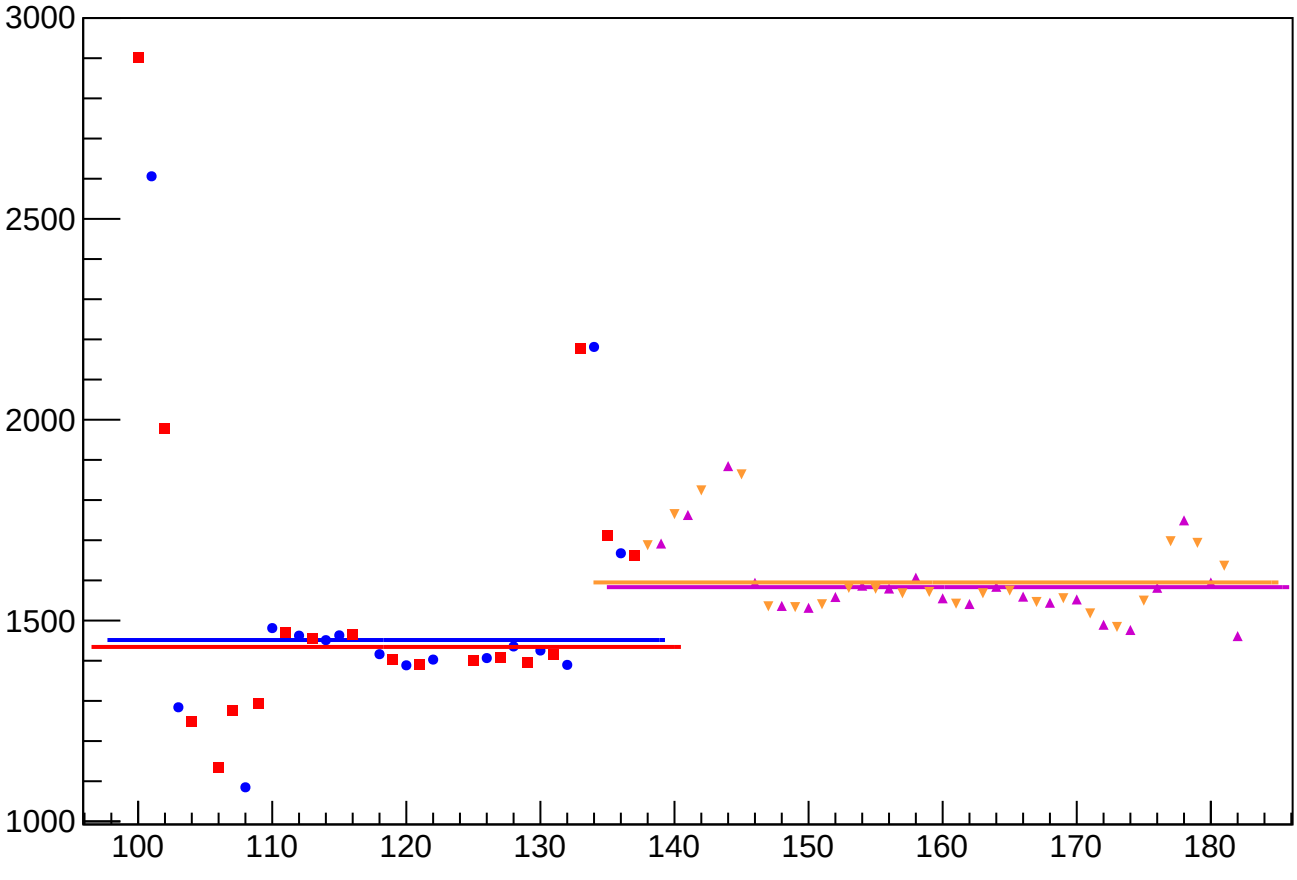
Left: 29.909+/-266.983 χ^2/NDF: 40.6/43

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 110.397+/-308.891 χ^2/NDF:35.3/37

Out: 95.507+/-312.790 χ^2/NDF:49.5/39

All: 103.045+/-219.785 χ^2/NDF: 84.8/77



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1594.933+/-0.270 χ^2/NDF:108365.7/21

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1583.175+/-0.264 χ^2/NDF:120345.4/21

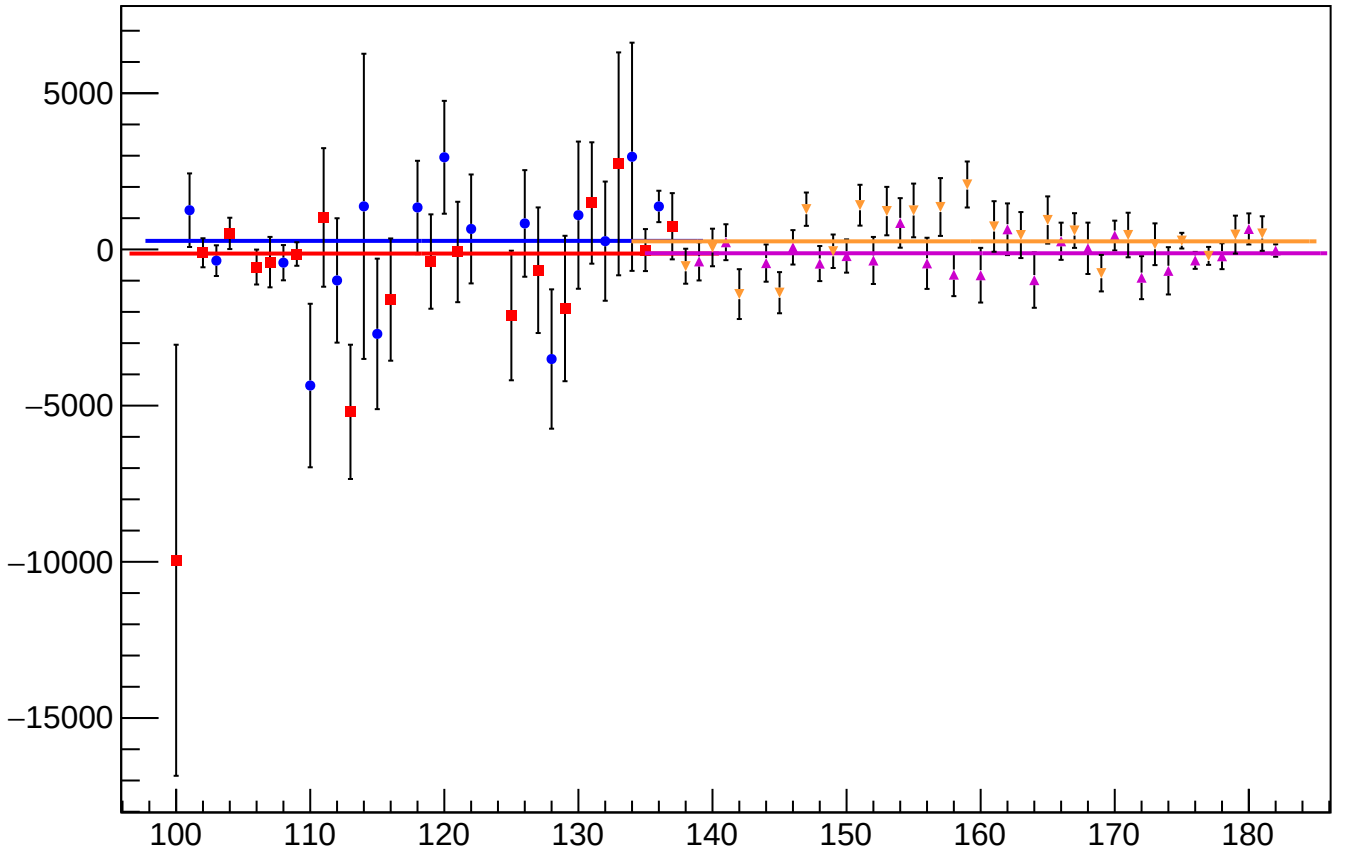
Left: 1588.923+/-0.189 χ^2/NDF: 229680.4/43

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1541.613+/-0.218 χ^2/NDF:686619.7/37

Out: 1542.097+/-0.221 χ^2/NDF:553362.7/39

All: 1541.852+/-0.155 χ^2/NDF: 1239984.9/77



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 258.676+/-115.731 χ^2/NDF:38.2/21

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -123.081+/-105.035 χ^2/NDF:13.6/21

Left: 49.344+/-77.778 χ^2/NDF: 57.8/43

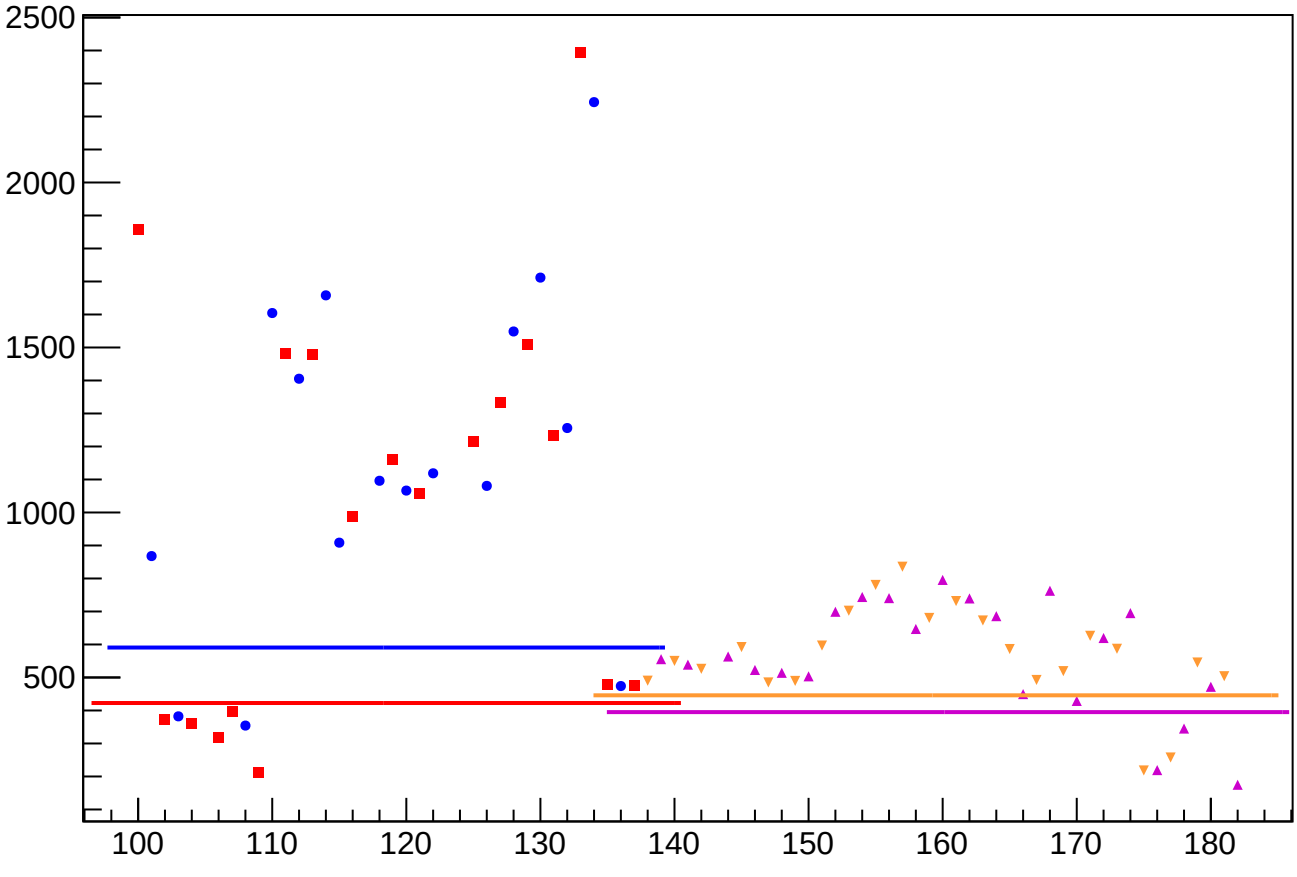
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -67.645+/-97.416 χ^2/NDF:35.8/37

Out: 157.480+/-99.647 χ^2/NDF:55.6/39

All: 42.370+/-69.659 χ^2/NDF: 94.0/77

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 445.960+/-0.082 χ^2/NDF:4752441.6/21

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 395.053+/-0.074 χ^2/NDF:7325289.6/21

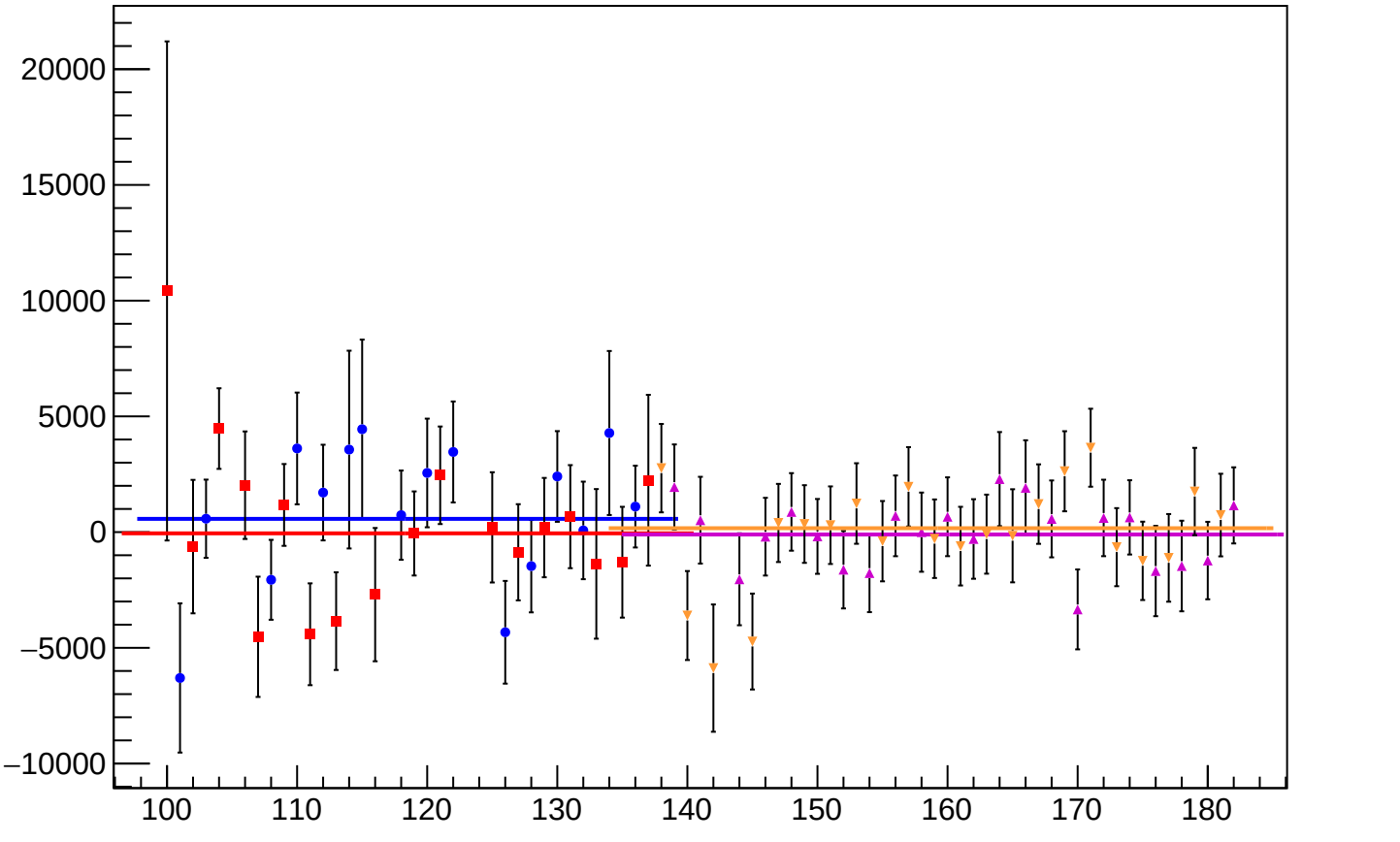
Left: 418.045+/-0.055 χ^2/NDF: 12289920.7/43

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 422.412+/-0.069 χ^2/NDF:12181418.9/37

Out: 439.925+/-0.070 χ^2/NDF:9631479.5/39

All: 430.970+/-0.049 χ^2/NDF: 21844484.9/77



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 168.676+/-381.840 χ^2/NDF:26.9/21

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: -102.824+/-373.442 χ^2/NDF:13.5/21

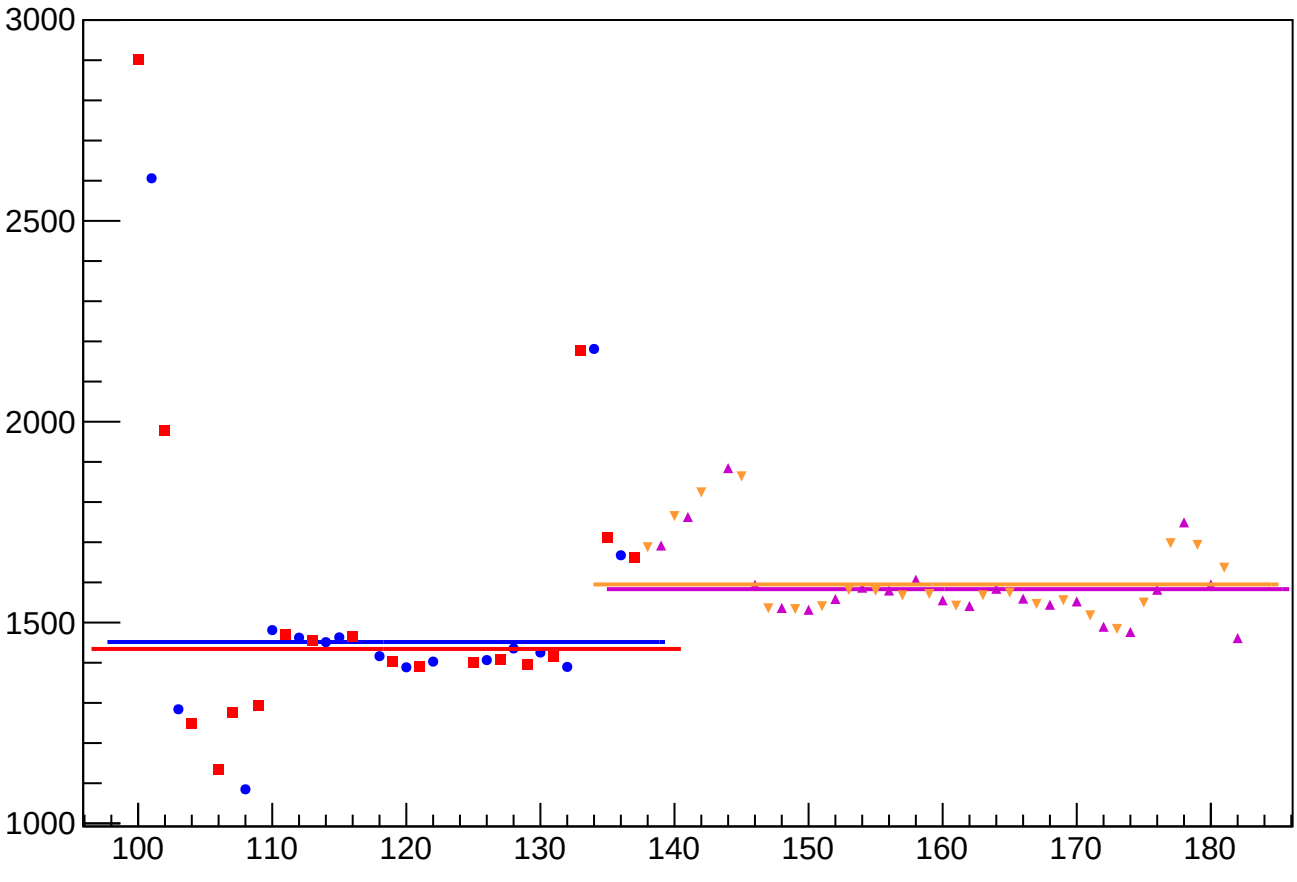
Left: 29.908+/-266.983 χ^2/NDF: 40.6/43

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 110.398+/-308.891 χ^2/NDF:35.3/37

Out: 95.505+/-312.790 χ^2/NDF:49.5/39

All: 103.045+/-219.784 χ^2/NDF: 84.8/77



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1594.933+/-0.270 χ^2/NDF:108366.3/21

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1583.175+/-0.264 χ^2/NDF:120345.5/21

Left: 1588.923+/-0.189 χ^2/NDF: 229681.1/43

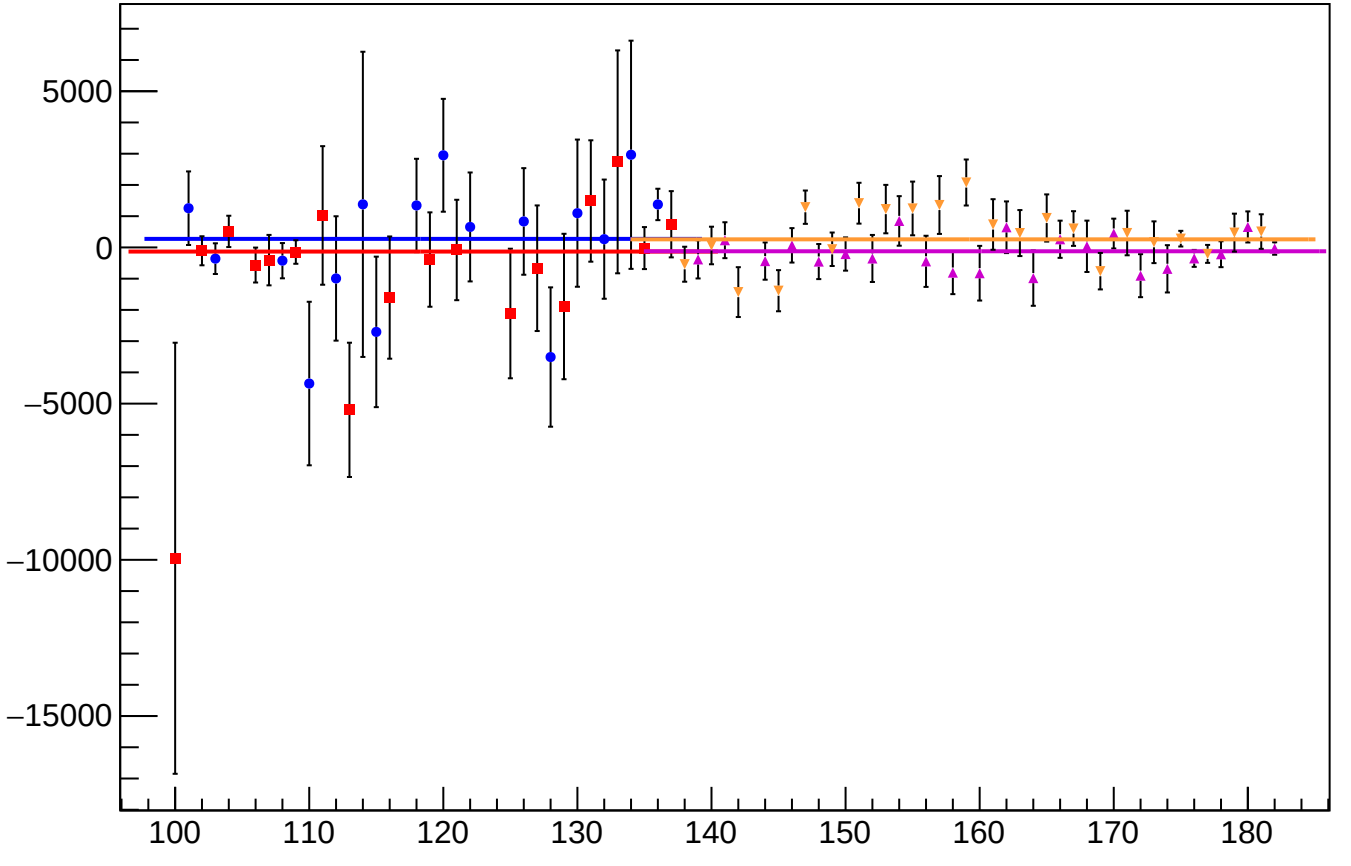
Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1541.613+/-0.218 χ^2/NDF:686618.9/37

Out: 1542.097+/-0.221 χ^2/NDF:553363.1/39

All: 1541.852+/-0.155 χ^2/NDF: 1239984.4/77

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 258.683+/-115.732 χ^2/NDF:38.2/21

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -123.080+/-105.035 χ^2/NDF:13.6/21

Left: 49.348+/-77.779 χ^2/NDF: 57.8/43

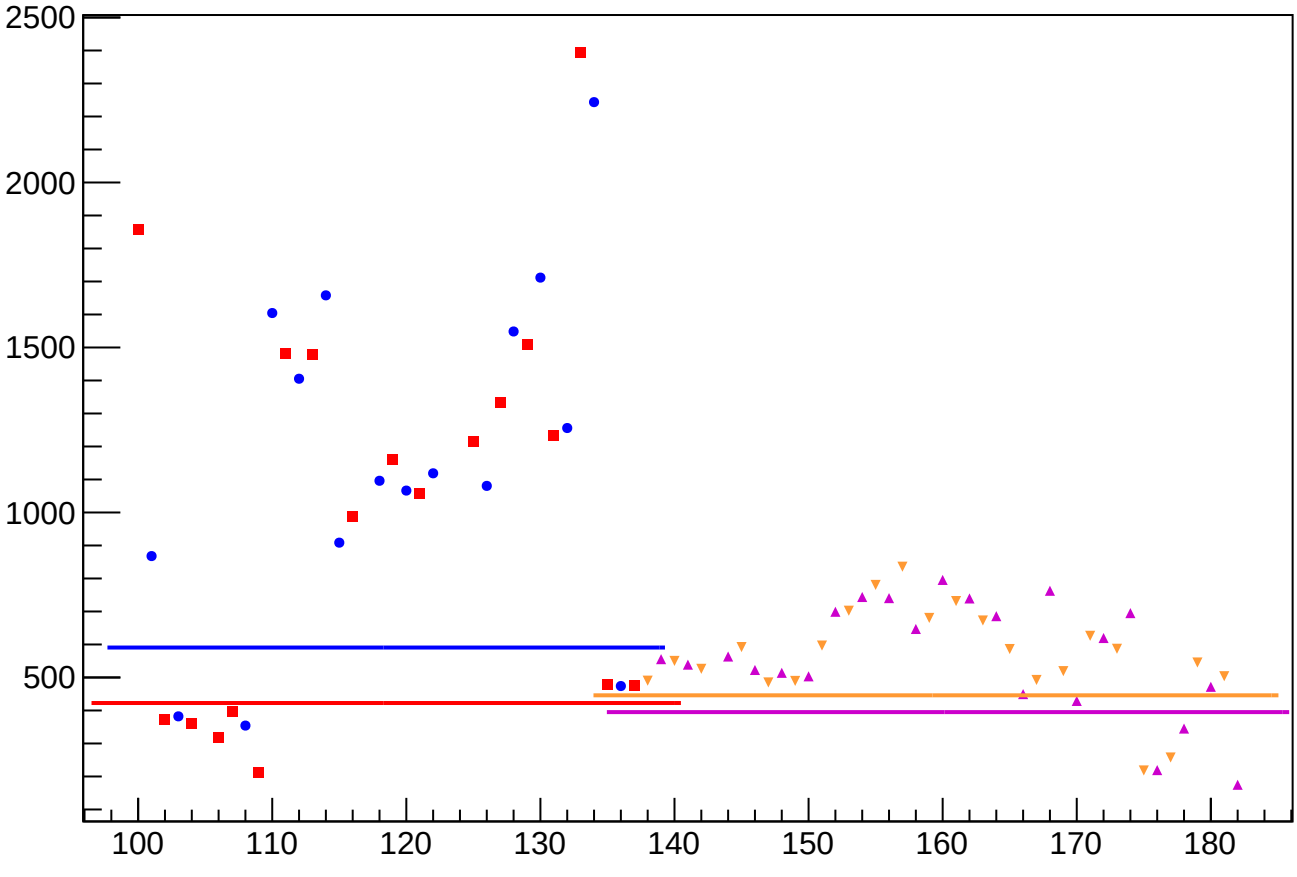
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -67.645+/-97.417 χ^2/NDF:35.8/37

Out: 157.487+/-99.647 χ^2/NDF:55.6/39

All: 42.373+/-69.659 χ^2/NDF: 94.0/77

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 445.963+/-0.082 χ^2/NDF:4752294.1/21

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 395.058+/-0.074 χ^2/NDF:7325013.3/21

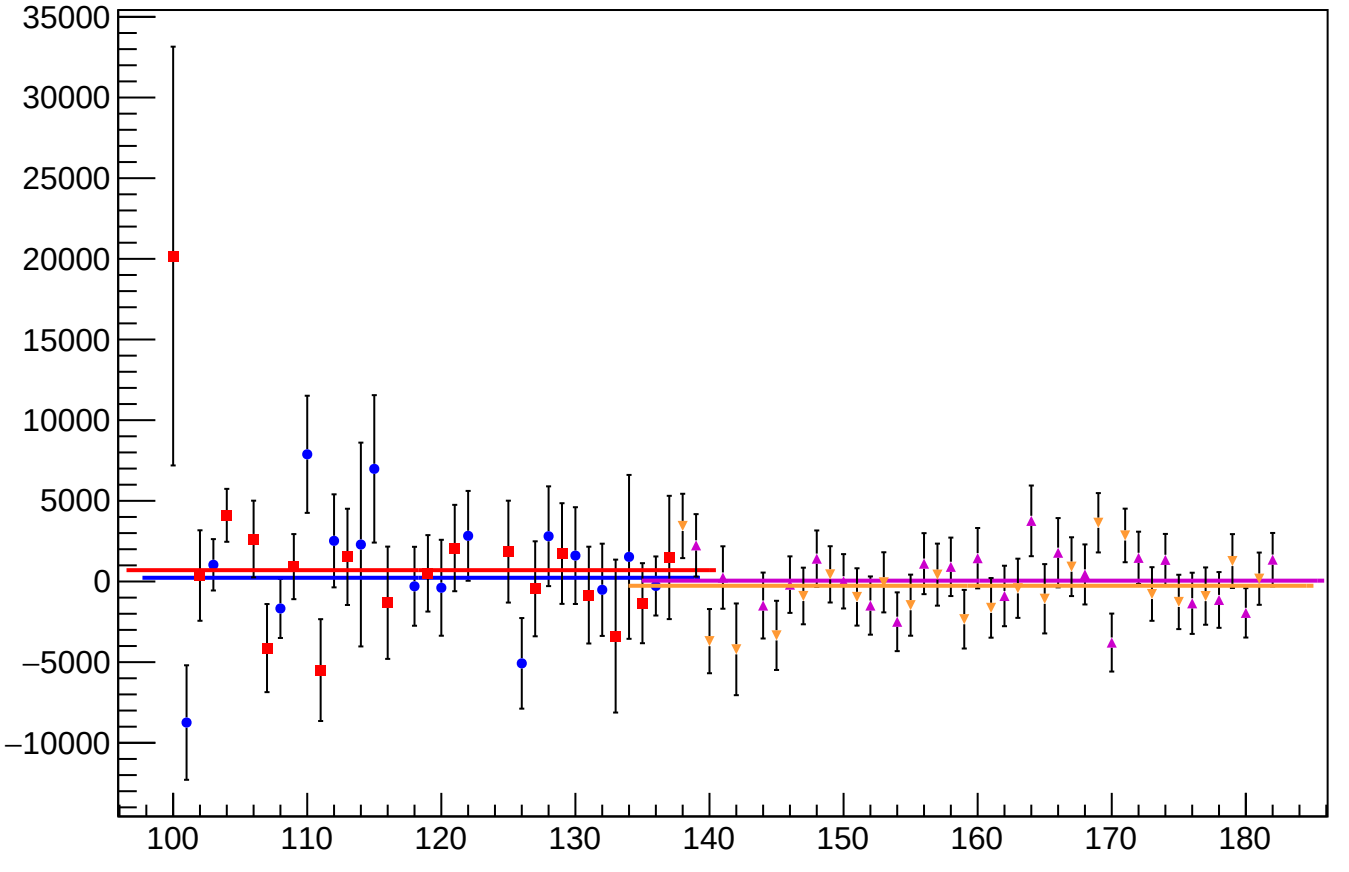
Left: 418.050+/-0.055 χ^2/NDF: 12289479.6/43

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 422.417+/-0.069 χ^2/NDF:12181099.8/37

Out: 439.929+/-0.070 χ^2/NDF:9631246.5/39

All: 430.975+/-0.049 χ^2/NDF: 21843929.8/77



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -265.239+/-392.459 χ^2/NDF:23.4/21

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 52.186+/-385.233 χ^2/NDF:19.4/21

Left: -103.577+/-274.920 χ^2/NDF: 43.1/43

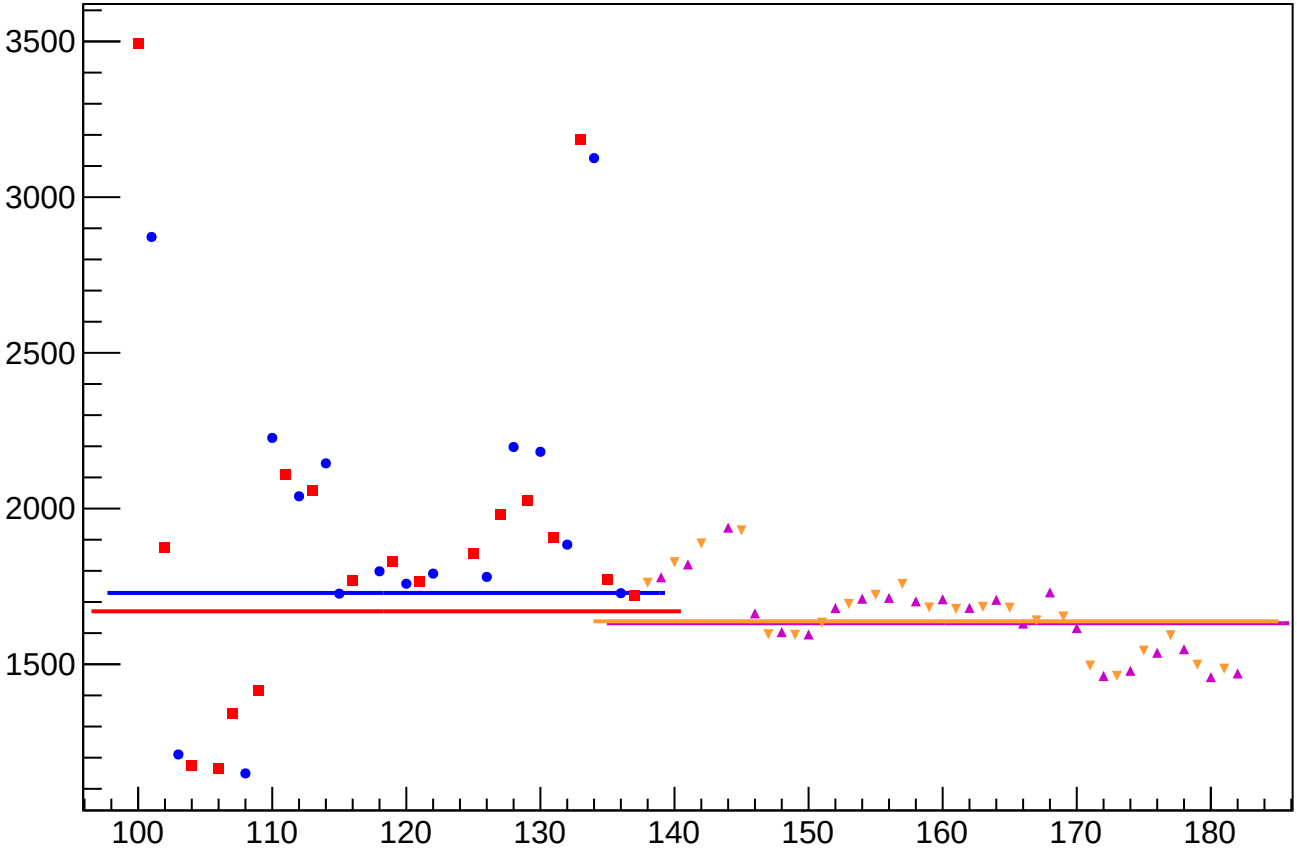
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 96.931+/-333.496 χ^2/NDF:40.2/37

Out: -5.778+/-335.736 χ^2/NDF:42.0/39

All: 45.920+/-236.605 χ^2/NDF: 82.2/77

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: 1637.919+/-0.278 χ^2/NDF:174849.3/21

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1631.692+/-0.272 χ^2/NDF:196878.9/21

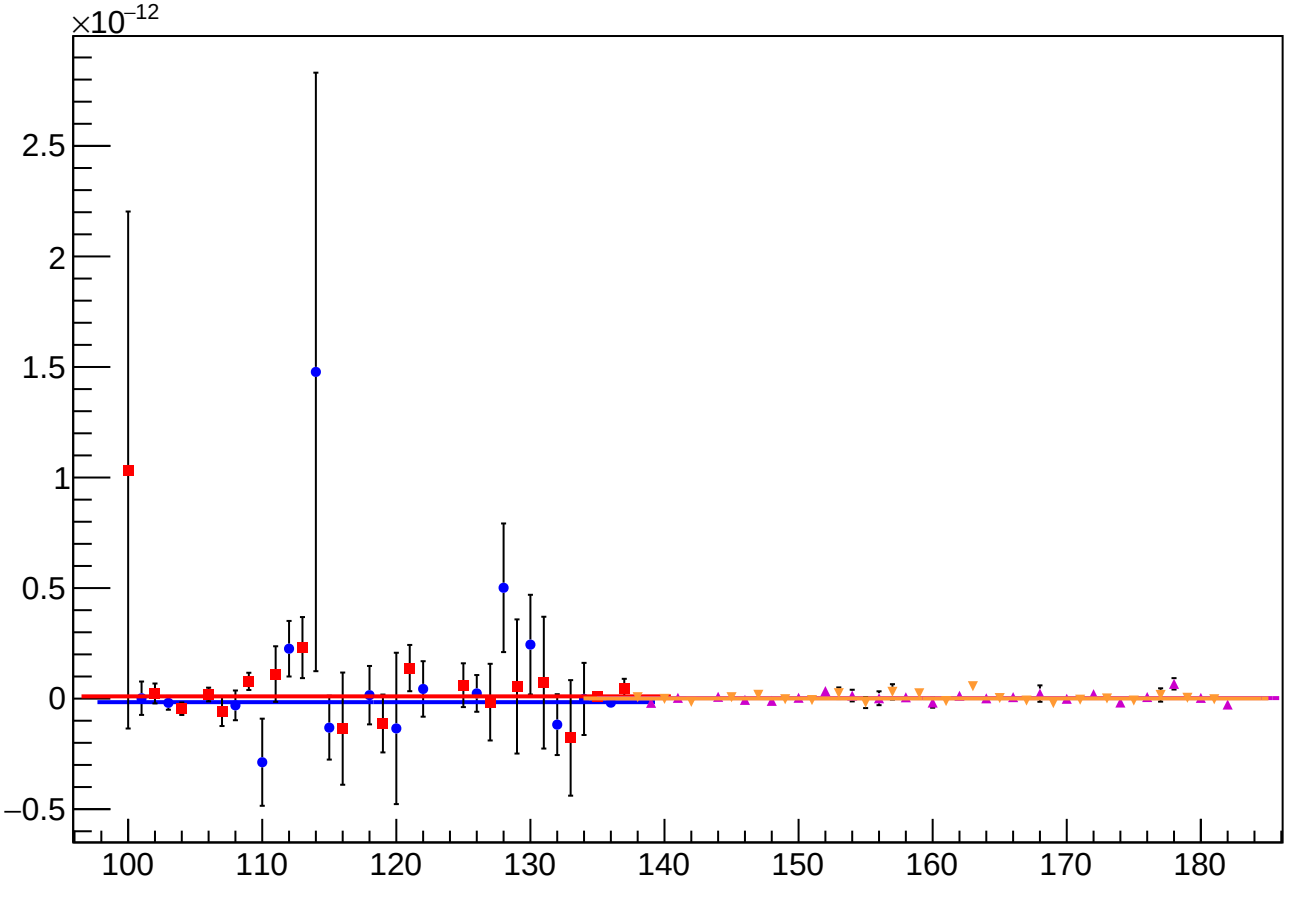
Left: 1634.747+/-0.194 χ^2/NDF: 371984.6/43

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1656.086+/-0.236 χ^2/NDF:1170965.0/37

Out: 1646.537+/-0.237 χ^2/NDF:922897.9/39

All: 1651.344+/-0.167 χ^2/NDF: 2094677.2/77



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:21.9/21

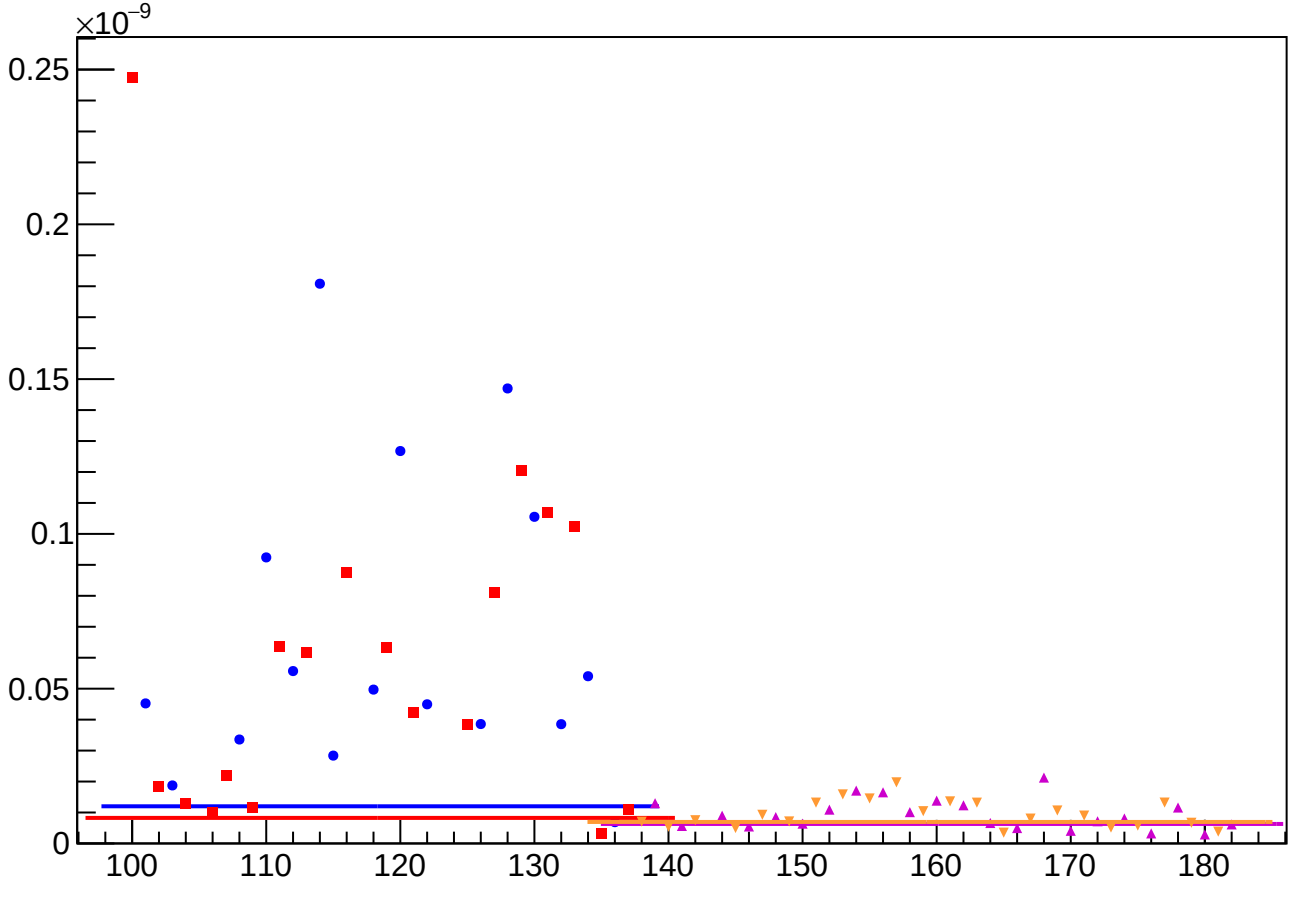
Left: 0.000+/-0.000 χ^2/NDF: 38.8/43

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: 0.000+/-0.000 χ^2/NDF:38.1/37

Out: 0.000+/-0.000 χ^2/NDF:34.3/39

All: 0.000+/-0.000 χ^2/NDF: 72.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2234282.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2884963.4/21

Left: 0.000+/-0.000 χ^2/NDF: 5169395.0/43

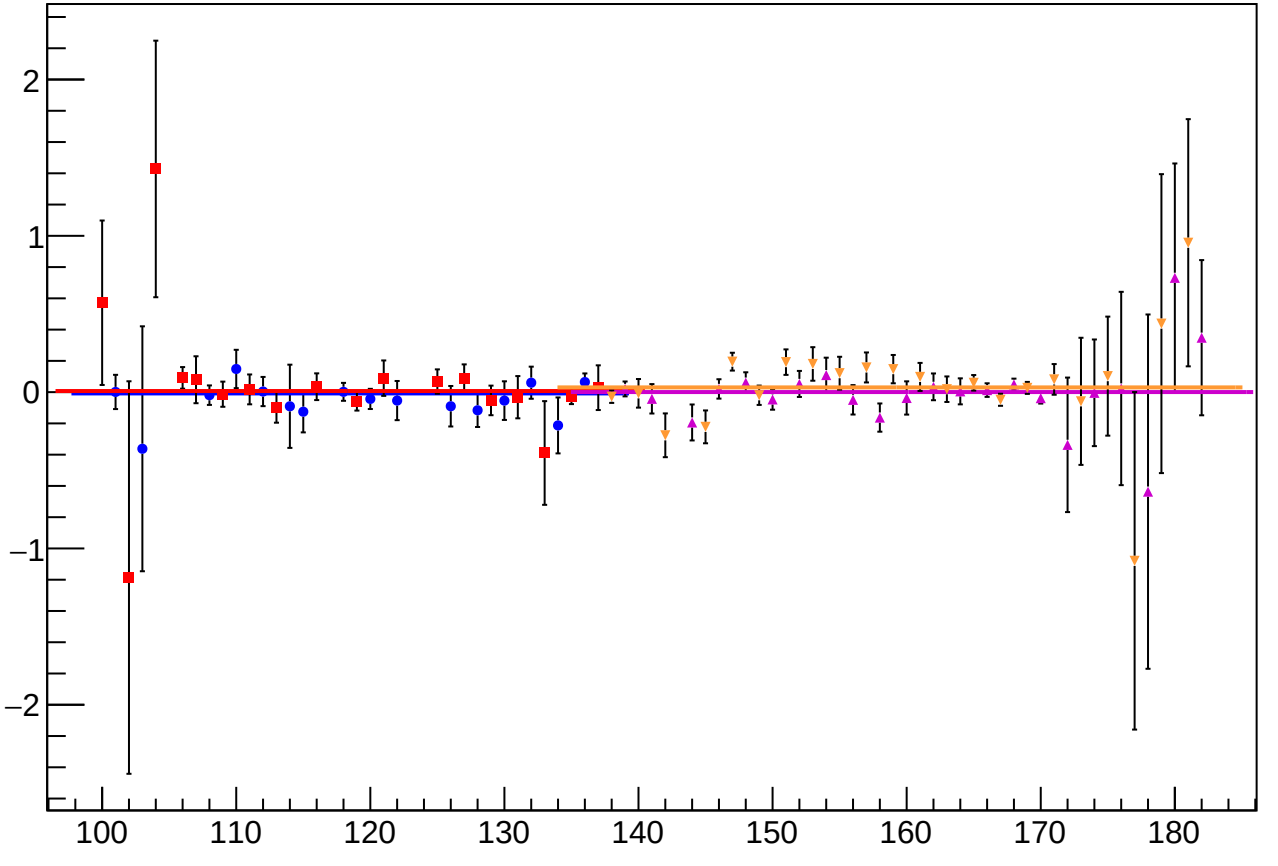
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:6887414.3/37

Out: 0.000+/-0.000 χ^2/NDF:5784942.9/39

All: 0.000+/-0.000 χ^2/NDF: 12693024.6/77

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.1/21

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.001+/-0.015 χ^2/NDF:15.4/21

Left: 0.015+/-0.011 χ^2/NDF: 57.4/43

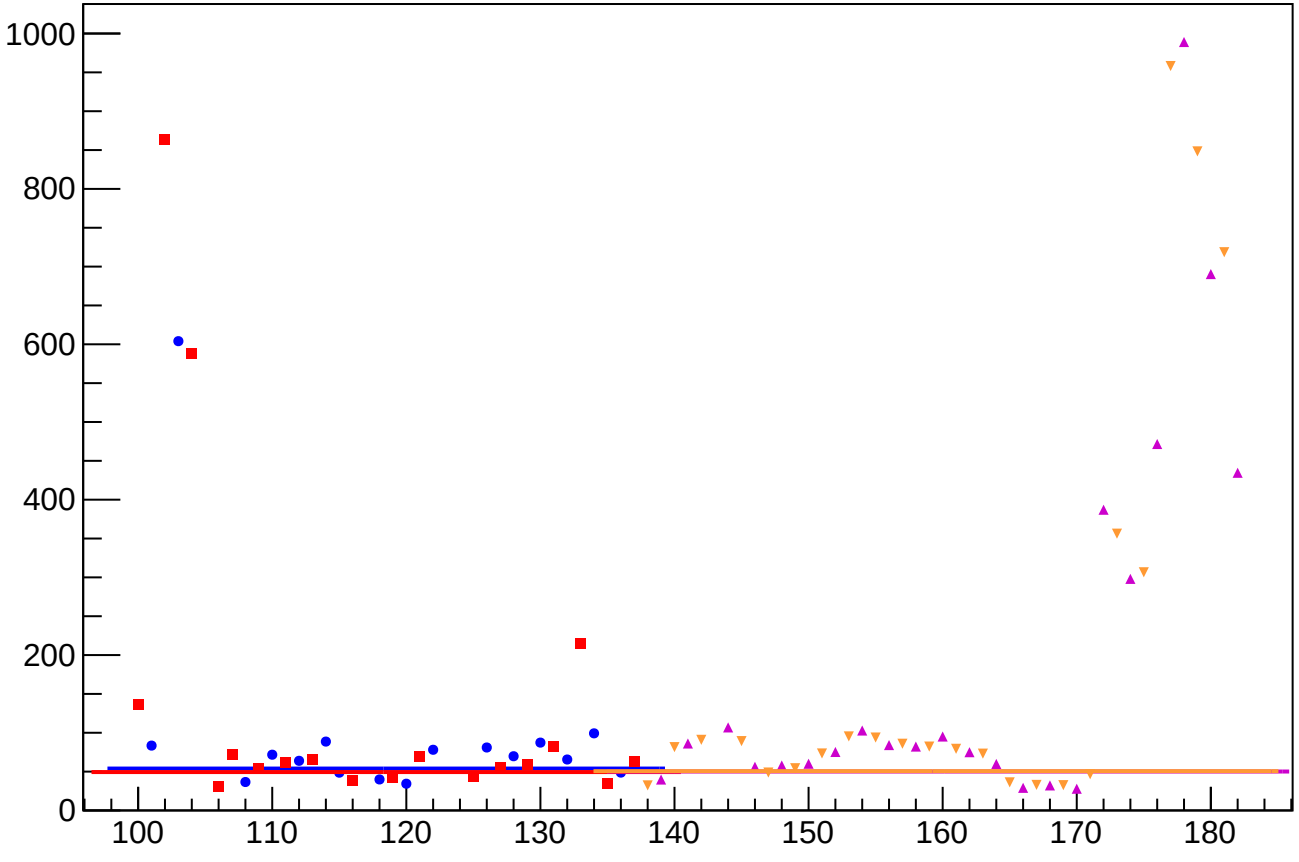
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:23.8/37

Out: 0.023+/-0.013 χ^2/NDF:54.6/39

All: 0.010+/-0.009 χ^2/NDF: 80.2/77

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: 50.570+/-0.011 χ^2/NDF:10114767.5/21

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 50.104+/-0.011 χ^2/NDF:11739162.7/21

Left: 50.334+/-0.008 χ^2/NDF: 21854849.8/43

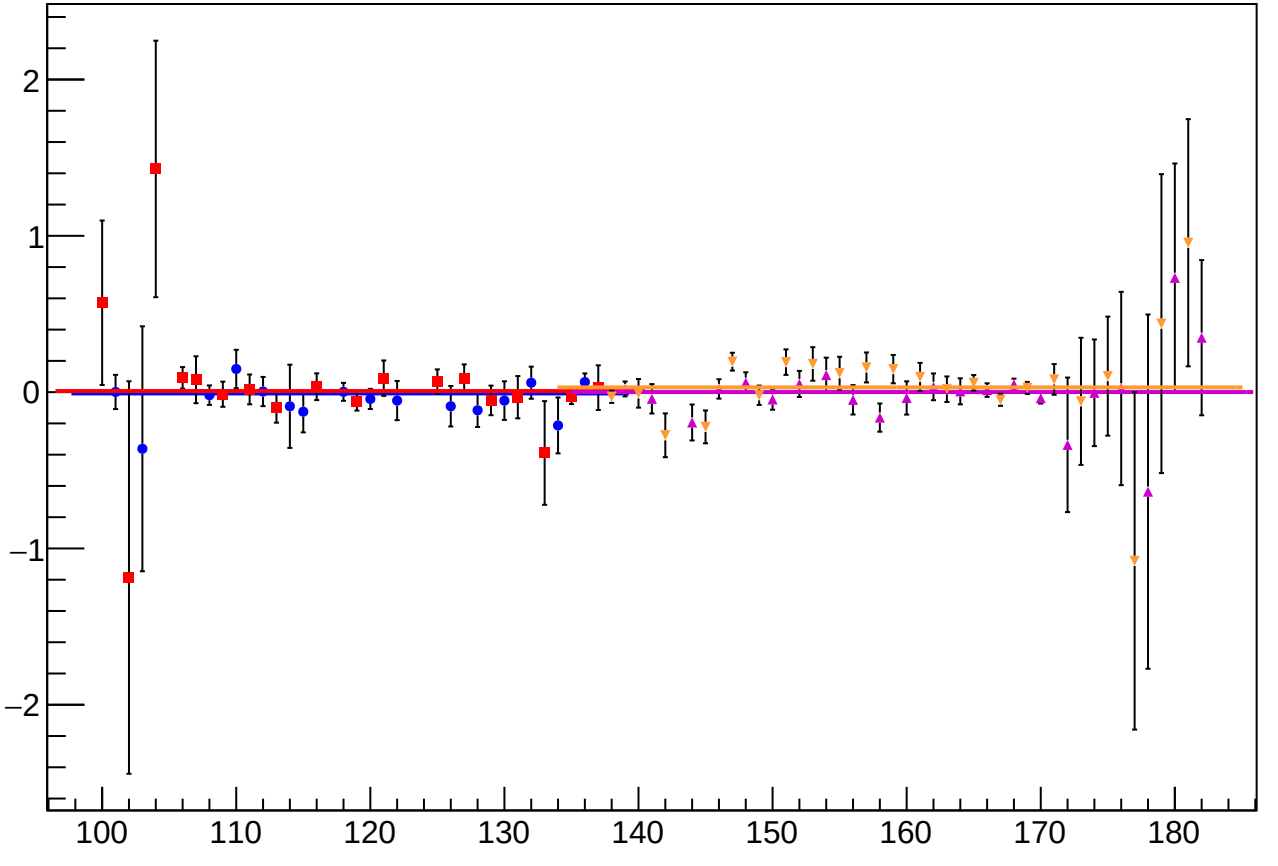
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 51.265+/-0.009 χ^2/NDF:13991607.1/37

Out: 50.194+/-0.009 χ^2/NDF:13136095.6/39

All: 50.728+/-0.006 χ^2/NDF: 27134787.7/77

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.1/21

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.001+/-0.015 χ^2/NDF:15.4/21

Left: 0.015+/-0.011 χ^2/NDF: 57.4/43

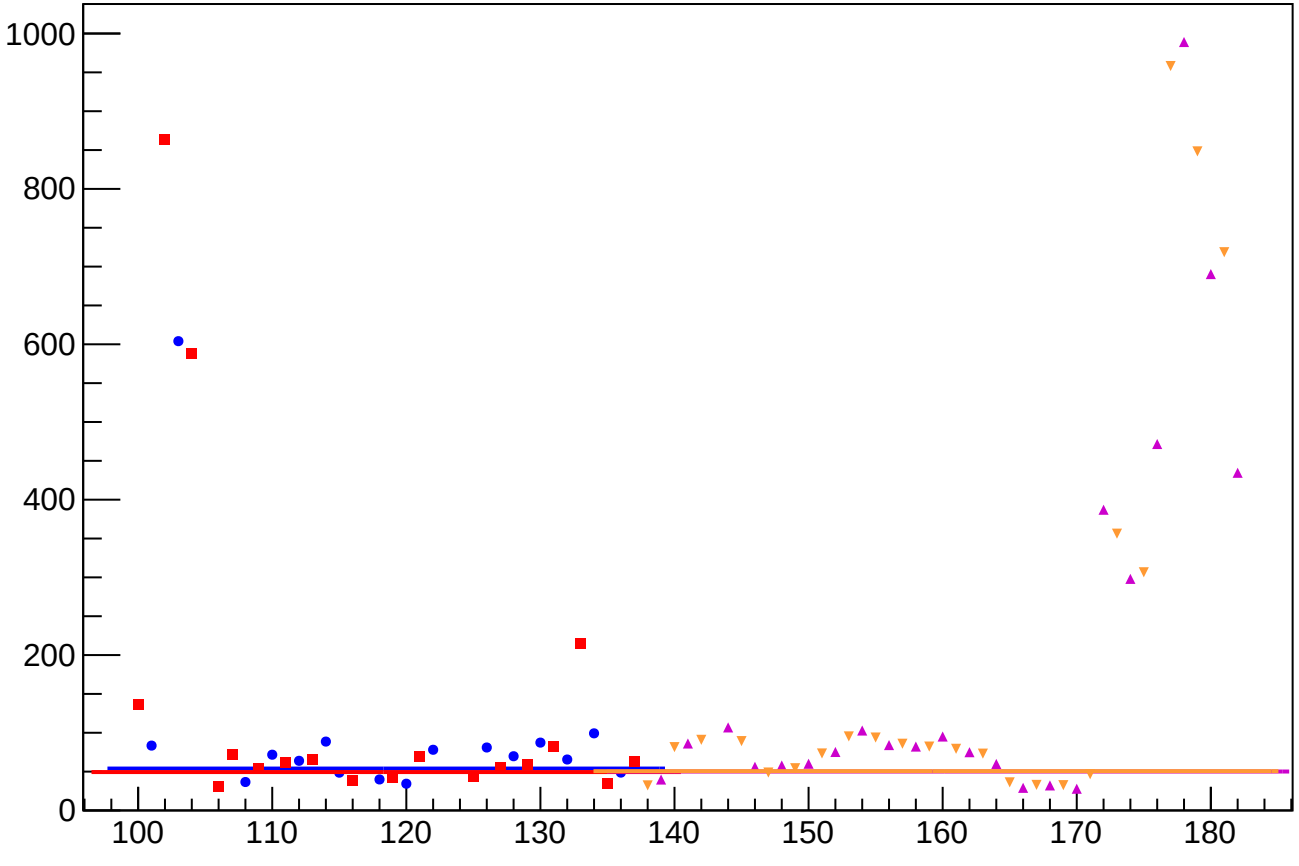
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:23.8/37

Out: 0.023+/-0.013 χ^2/NDF:54.6/39

All: 0.010+/-0.009 χ^2/NDF: 80.2/77

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: 50.570+/-0.011 χ^2/NDF:10114767.5/21

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 50.104+/-0.011 χ^2/NDF:11739162.7/21

Left: 50.334+/-0.008 χ^2/NDF: 21854849.8/43

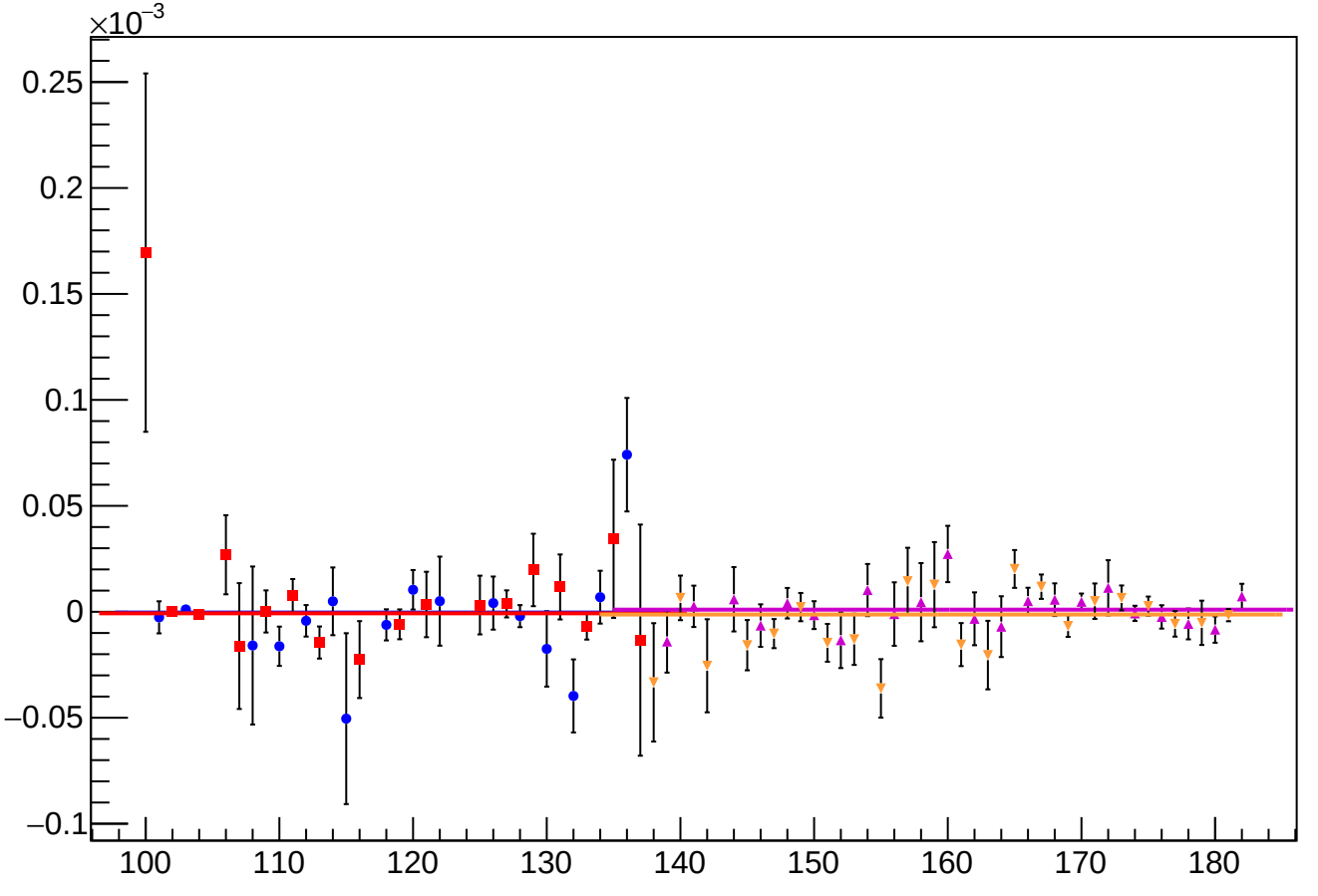
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 51.265+/-0.009 χ^2/NDF:13991607.1/37

Out: 50.194+/-0.009 χ^2/NDF:13136095.6/39

All: 50.728+/-0.006 χ^2/NDF: 27134787.7/77

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:36.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:15.4/21

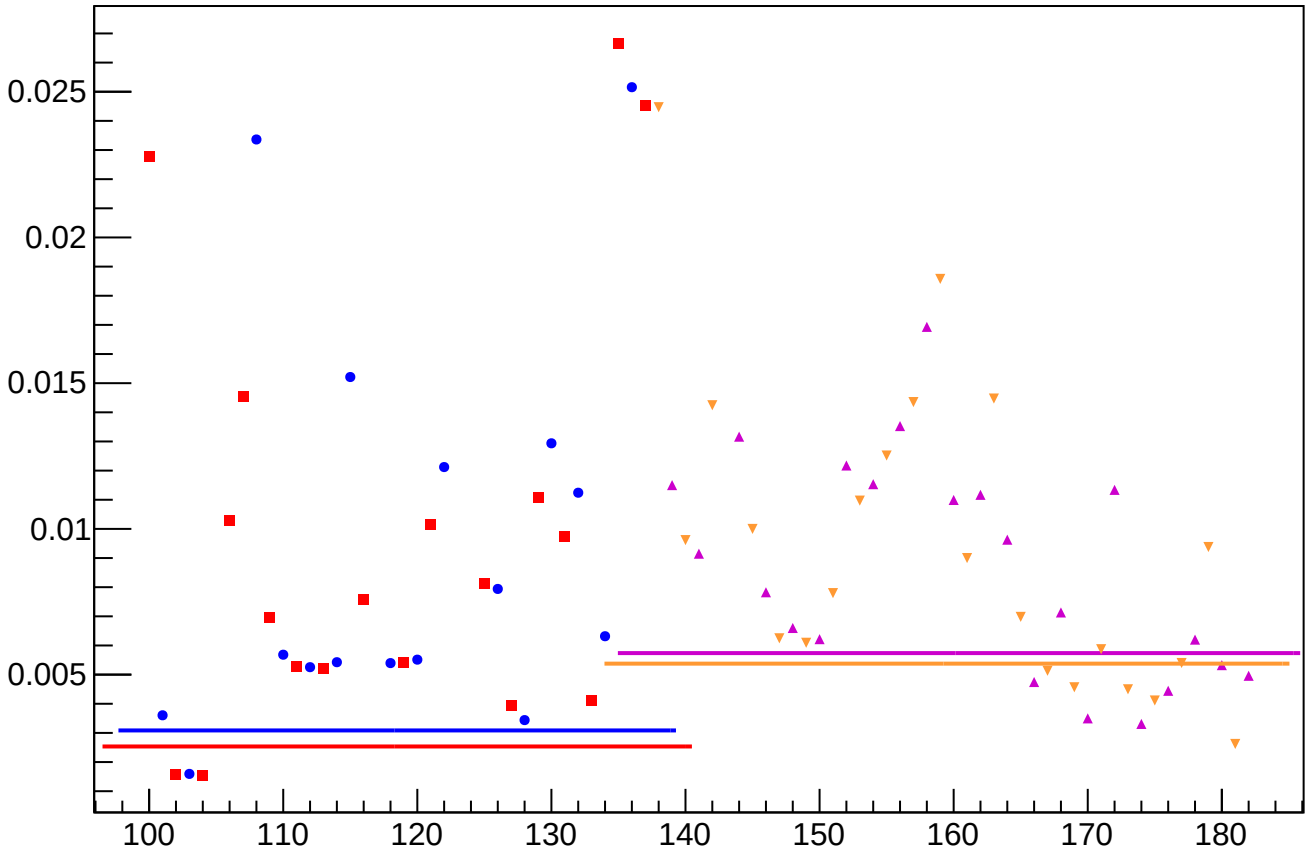
Left: -0.000+/-0.000 χ^2/NDF: 53.4/43

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: 0.000+/-0.000 χ^2/NDF:37.9/37

Out: -0.000+/-0.000 χ^2/NDF:54.8/39

All: -0.000+/-0.000 χ^2/NDF: 93.5/77



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:7902003.2/21

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.006+/-0.000 χ^2/NDF:6416274.0/21

Left: 0.006+/-0.000 χ^2/NDF: 14373401.3/43

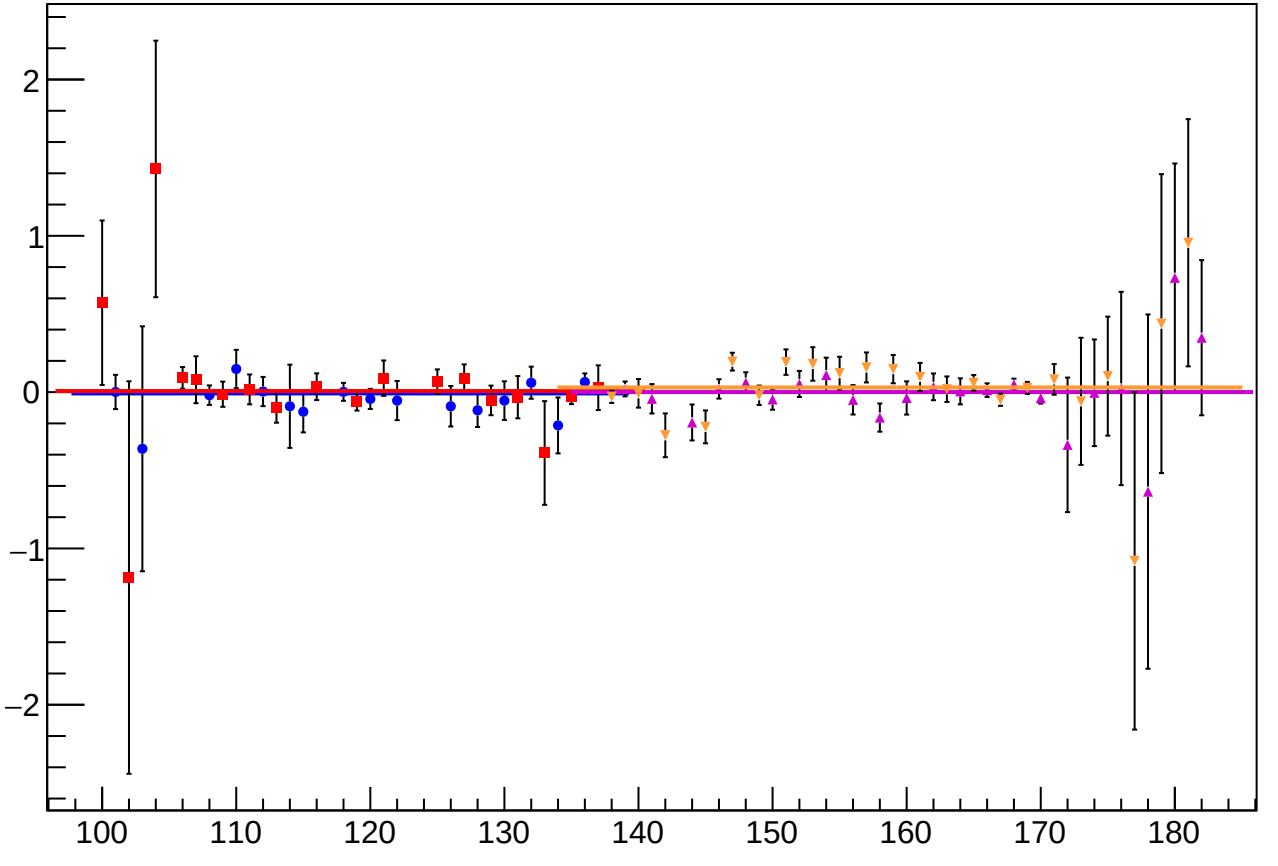
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:14959960.9/37

Out: 0.004+/-0.000 χ^2/NDF:18288033.5/39

All: 0.004+/-0.000 χ^2/NDF: 33746249.4/77

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.1/21

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.001+/-0.015 χ^2/NDF:15.4/21

Left: 0.015+/-0.011 χ^2/NDF: 57.4/43

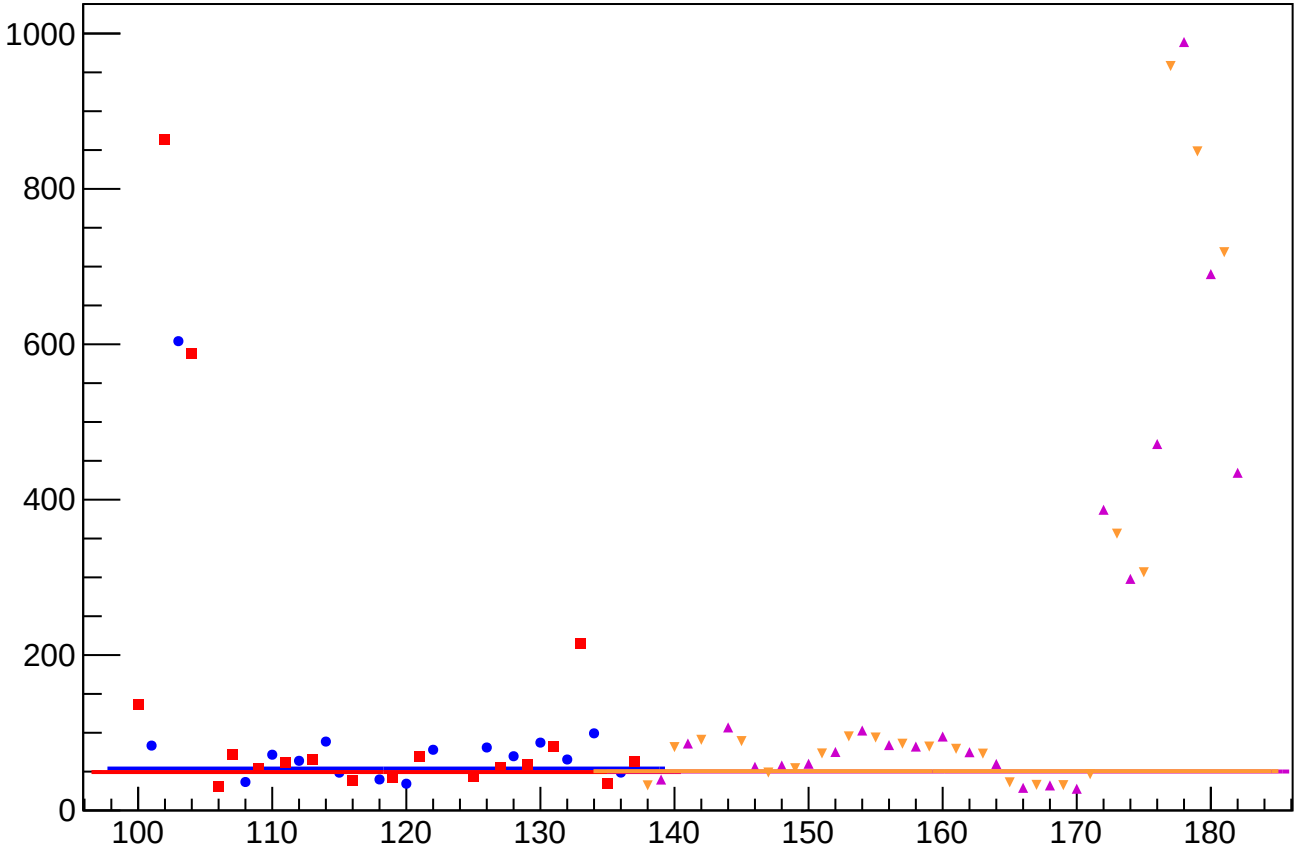
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:23.8/37

Out: 0.023+/-0.013 χ^2/NDF:54.6/39

All: 0.010+/-0.009 χ^2/NDF: 80.3/77

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: 50.573+/-0.011 χ^2/NDF:10113953.6/21

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 50.104+/-0.011 χ^2/NDF:11739103.5/21

Left: 50.335+/-0.008 χ^2/NDF: 21853986.1/43

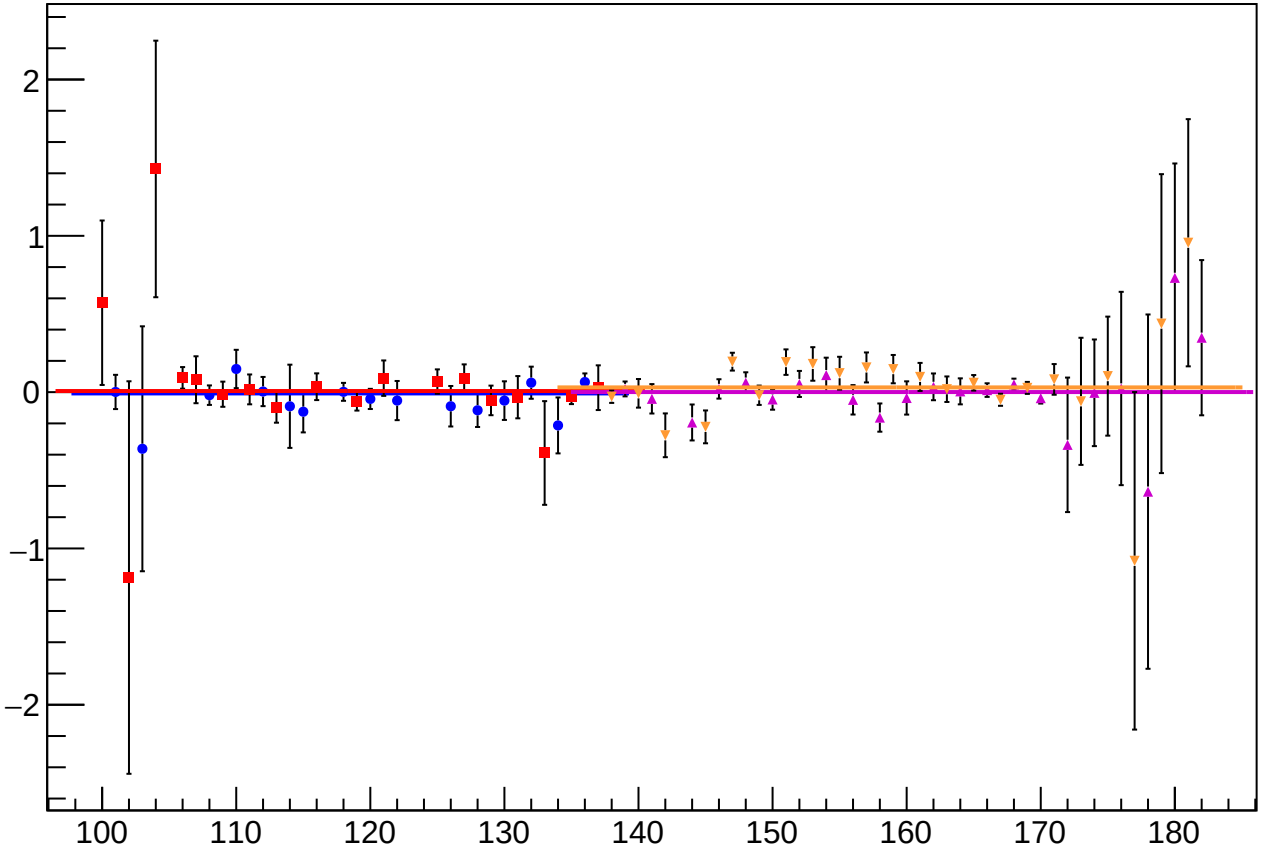
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 51.266+/-0.009 χ^2/NDF:13991213.4/37

Out: 50.197+/-0.009 χ^2/NDF:13135004.6/39

All: 50.730+/-0.006 χ^2/NDF: 27133285.2/77

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.1/21

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.001+/-0.015 χ^2/NDF:15.4/21

Left: 0.015+/-0.011 χ^2/NDF: 57.4/43

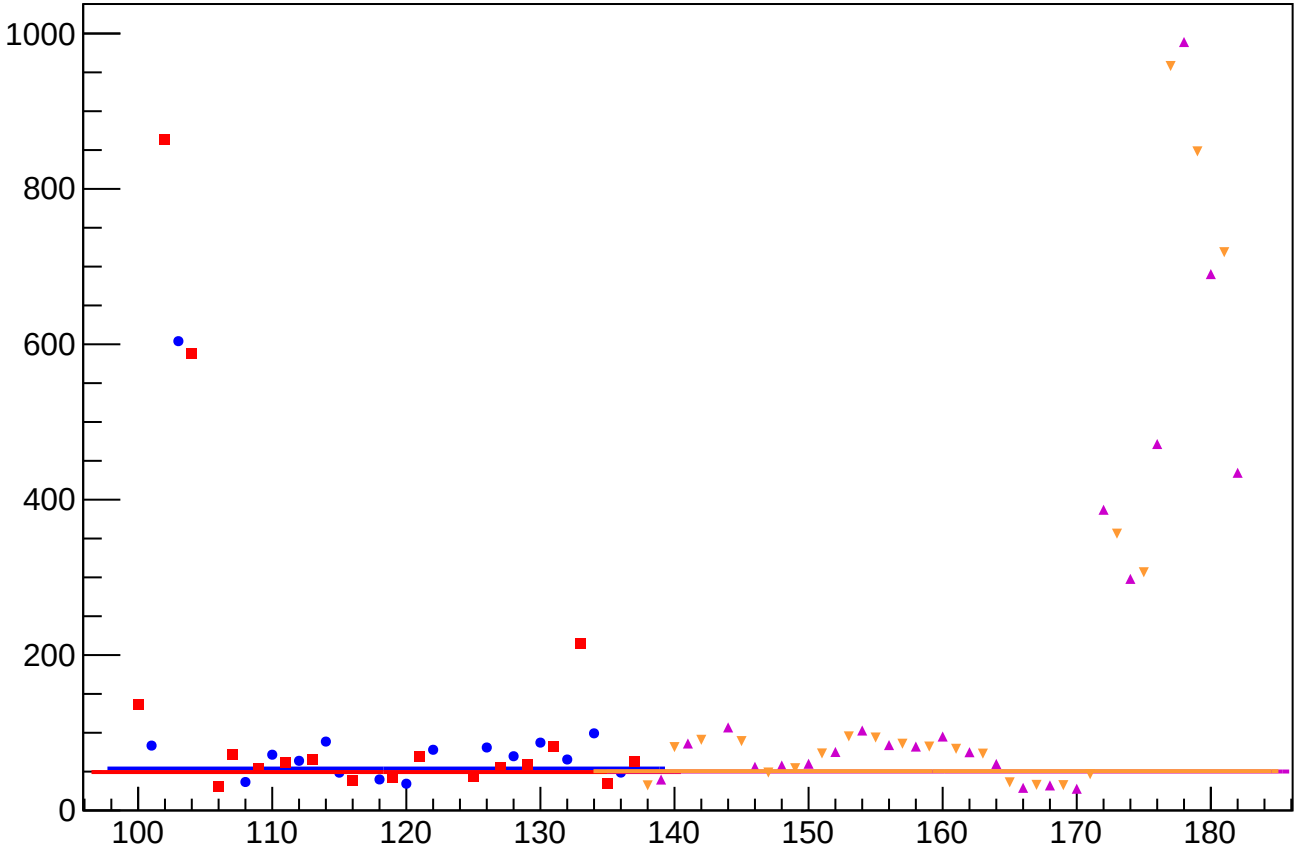
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:23.8/37

Out: 0.023+/-0.013 χ^2/NDF:54.6/39

All: 0.010+/-0.009 χ^2/NDF: 80.3/77

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: 50.573+/-0.011 χ^2/NDF:10113953.6/21

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 50.104+/-0.011 χ^2/NDF:11739103.5/21

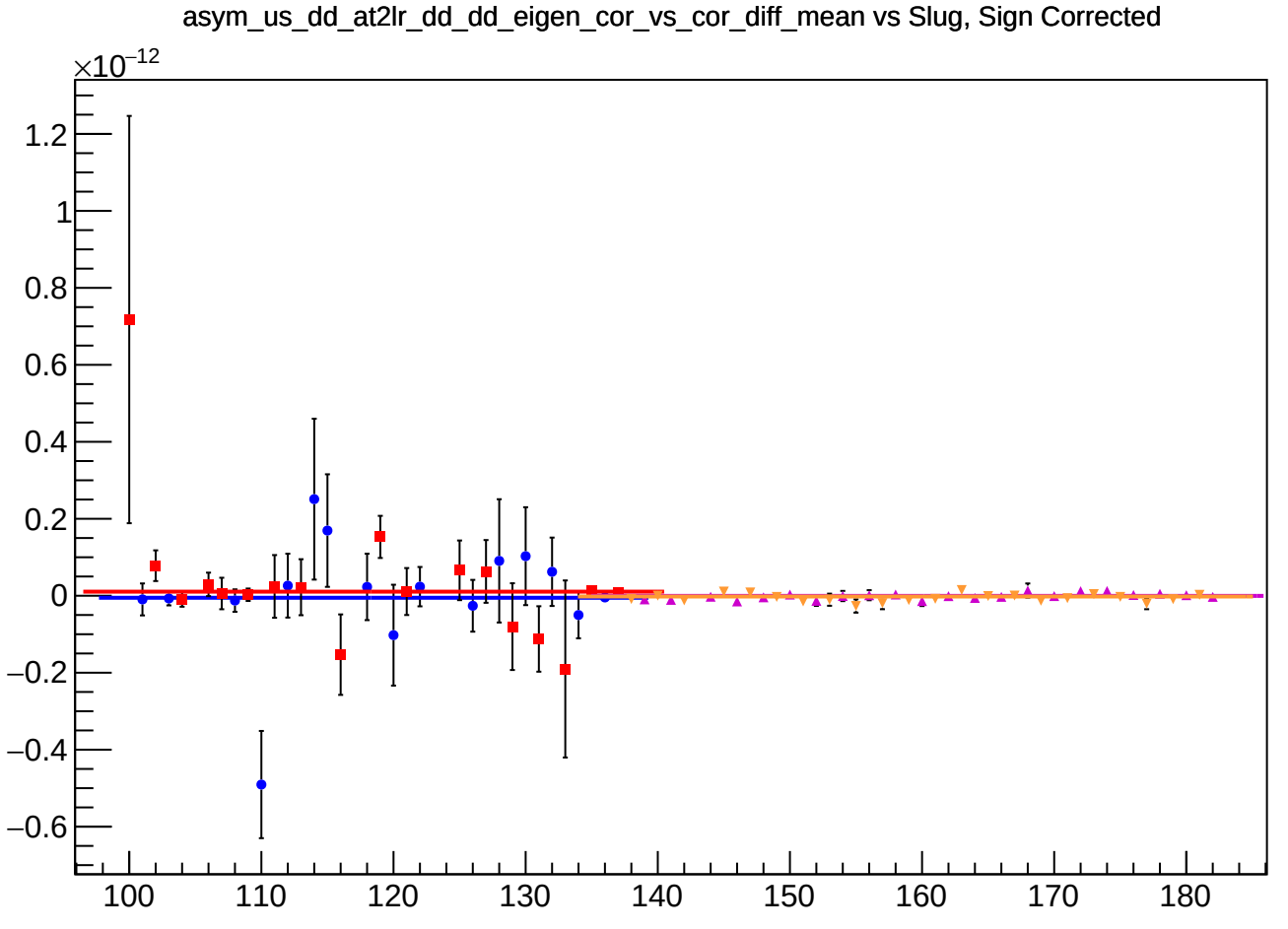
Left: 50.335+/-0.008 χ^2/NDF: 21853986.1/43

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 51.266+/-0.009 χ^2/NDF:13991213.4/37

Out: 50.197+/-0.009 χ^2/NDF:13135004.6/39

All: 50.730+/-0.006 χ^2/NDF: 27133285.2/77



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:17.8/21

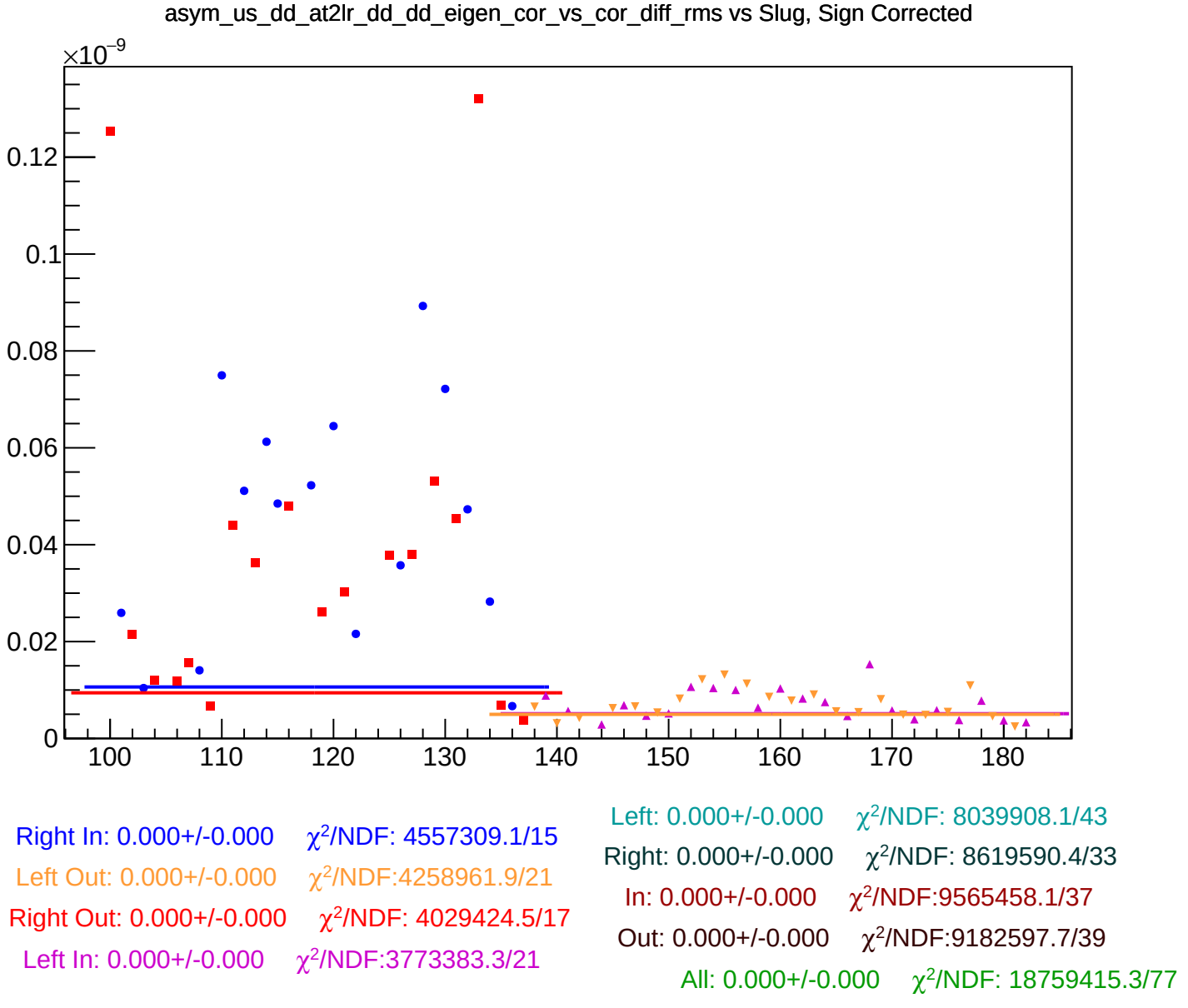
Left: -0.000+/-0.000 χ^2/NDF: 40.0/43

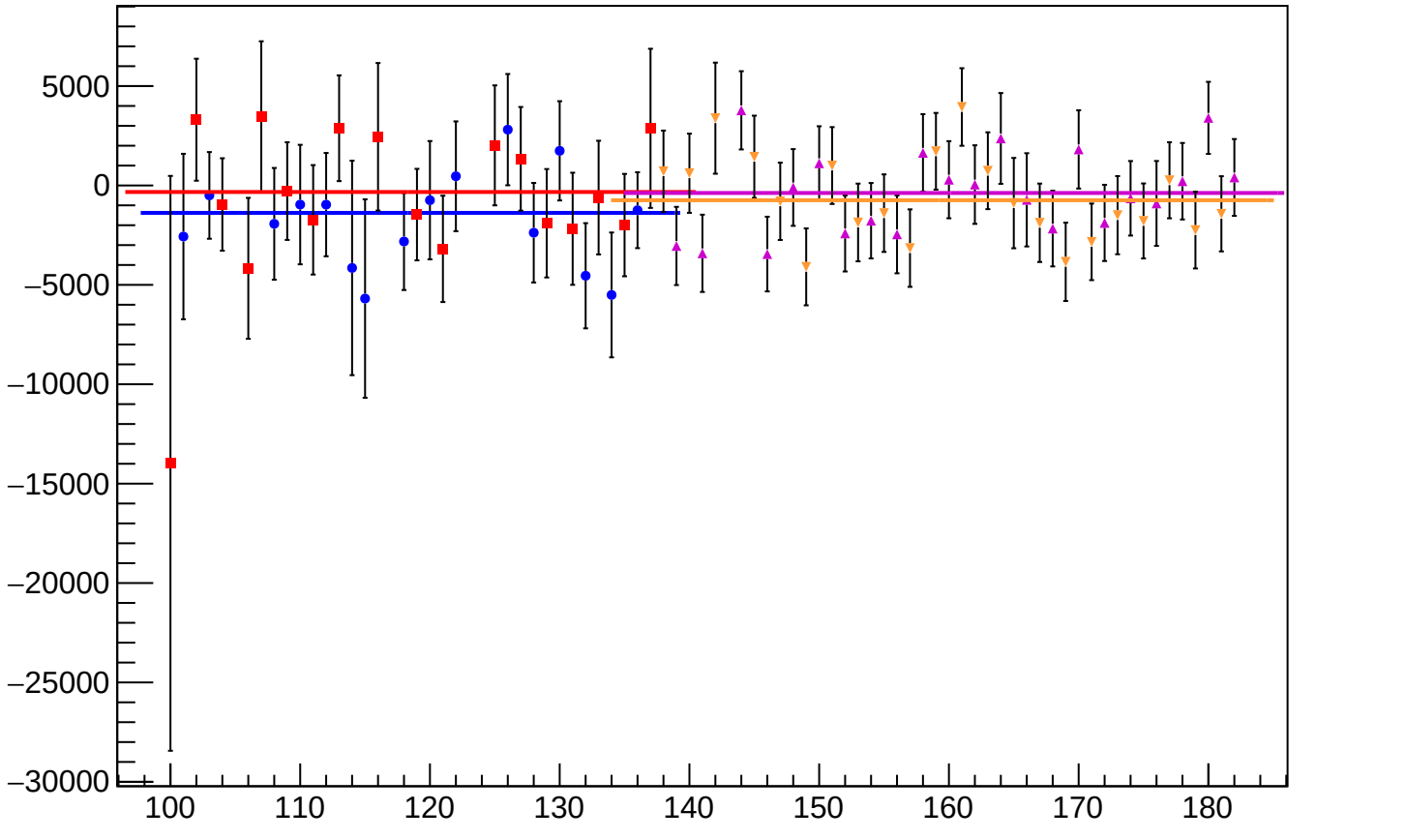
Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:36.9/37

Out: -0.000+/-0.000 χ^2/NDF:45.3/39

All: -0.000+/-0.000 χ^2/NDF: 82.3/77


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 4557309.1/15
Left Out: 0.000+/-0.000 χ²/NDF:4258961.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 4029424.5/17
Left In: 0.000+/-0.000 χ²/NDF:3773383.3/21
Left: 0.000+/-0.000 χ²/NDF: 8039908.1/43
Right: 0.000+/-0.000 χ²/NDF: 8619590.4/33
In: 0.000+/-0.000 χ²/NDF:9565458.1/37
Out: 0.000+/-0.000 χ²/NDF:9182597.7/39
All: 0.000+/-0.000 χ²/NDF: 18759415.3/77



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -744.025+/-423.399 χ^2/NDF:23.5/21

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -377.475+/-417.253 χ^2/NDF:25.0/21

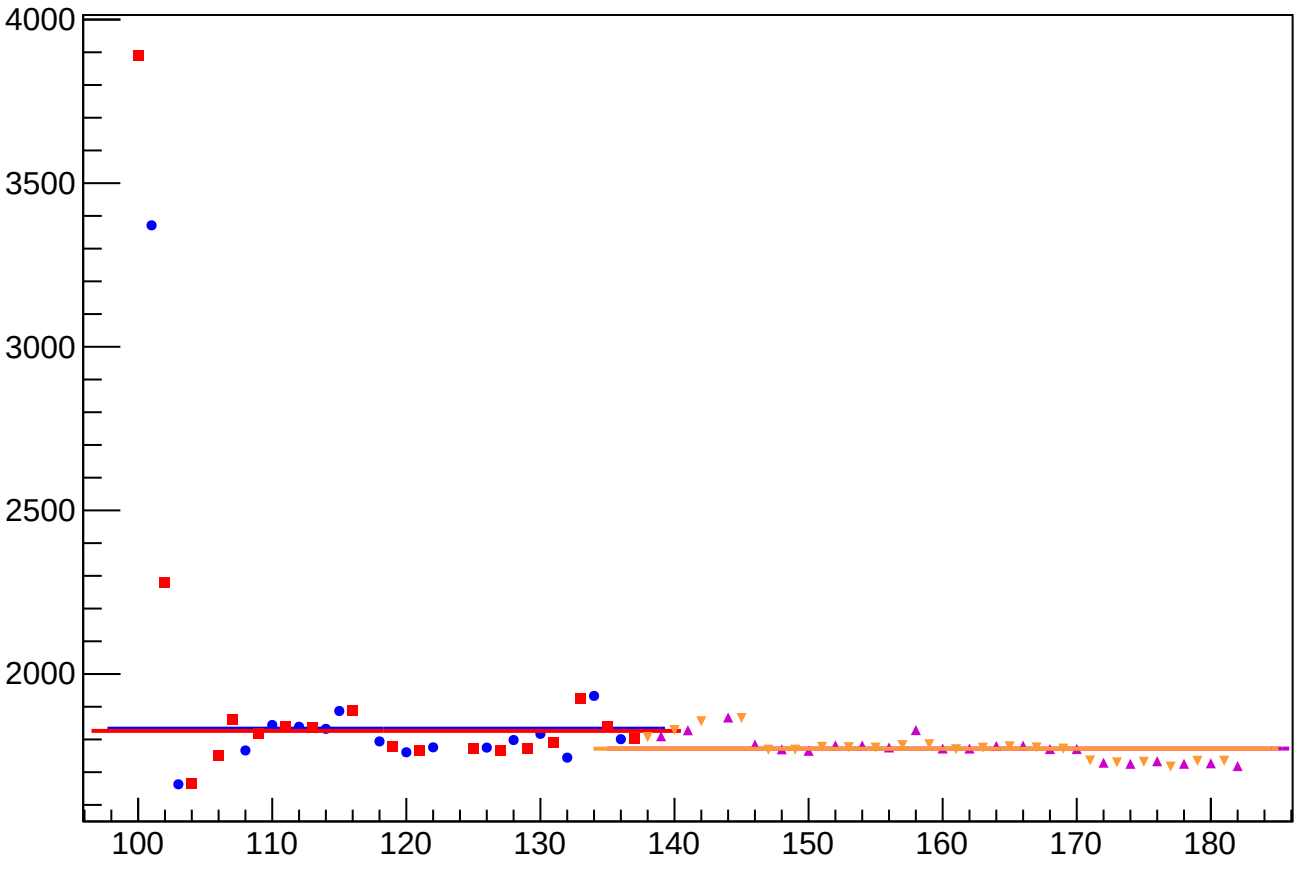
Left: -558.070+/-297.191 χ^2/NDF: 48.9/43

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -646.135+/-356.912 χ^2/NDF:35.9/37

Out: -628.963+/-359.992 χ^2/NDF:34.8/39

All: -637.623+/-253.457 χ^2/NDF: 70.7/77



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1771.688+/-0.299 χ^2/NDF:14006.2/21

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1772.148+/-0.295 χ^2/NDF:15849.2/21

Left: 1771.921+/-0.210 χ^2/NDF: 29856.5/43

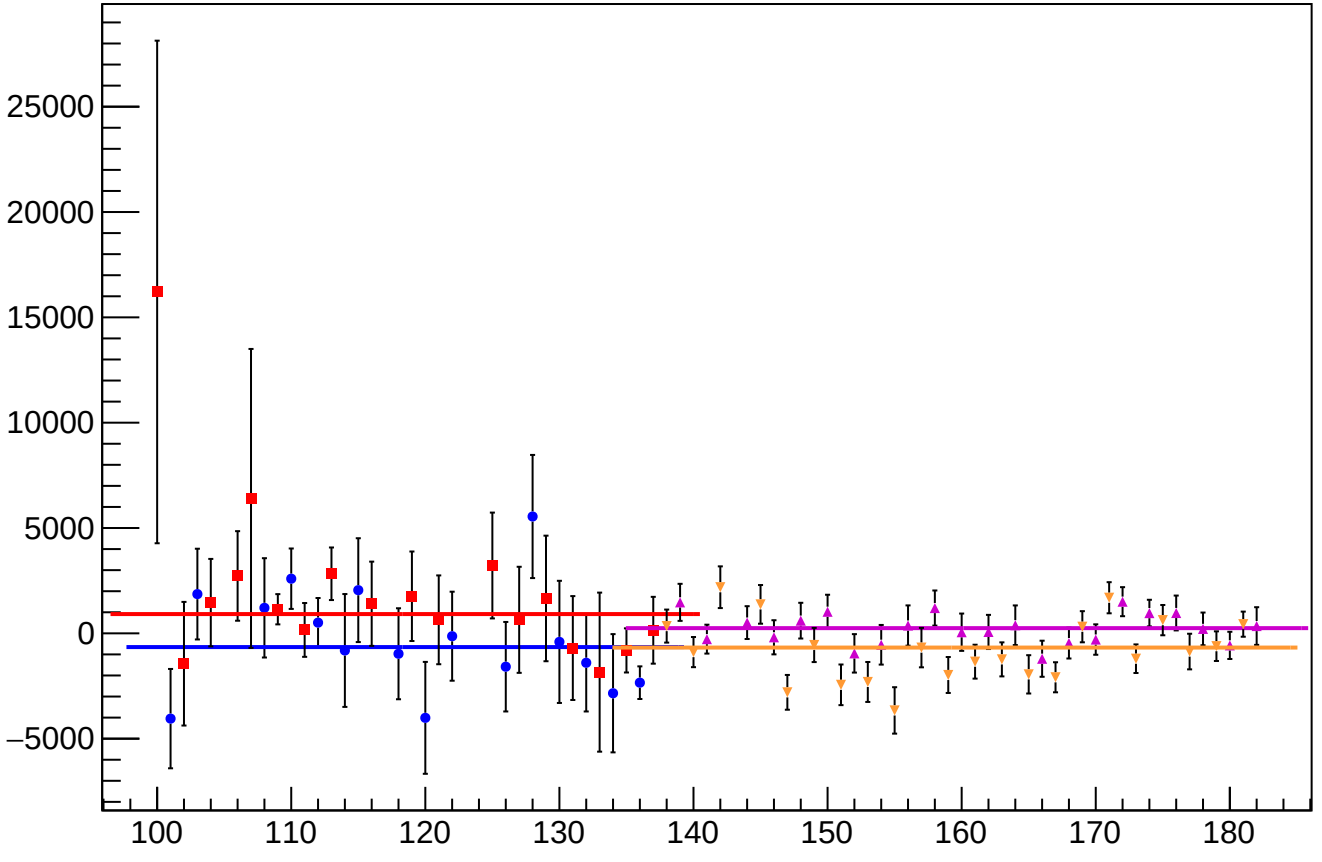
Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1788.461+/-0.252 χ^2/NDF:322682.4/37

Out: 1786.795+/-0.255 χ^2/NDF:126201.5/39

All: 1787.635+/-0.179 χ^2/NDF: 448905.4/77

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -674.938+/-170.127 χ^2/NDF:64.3/21

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 247.003+/-169.450 χ^2/NDF:19.2/21

Left: -212.128+/-120.058 χ^2/NDF: 98.3/43

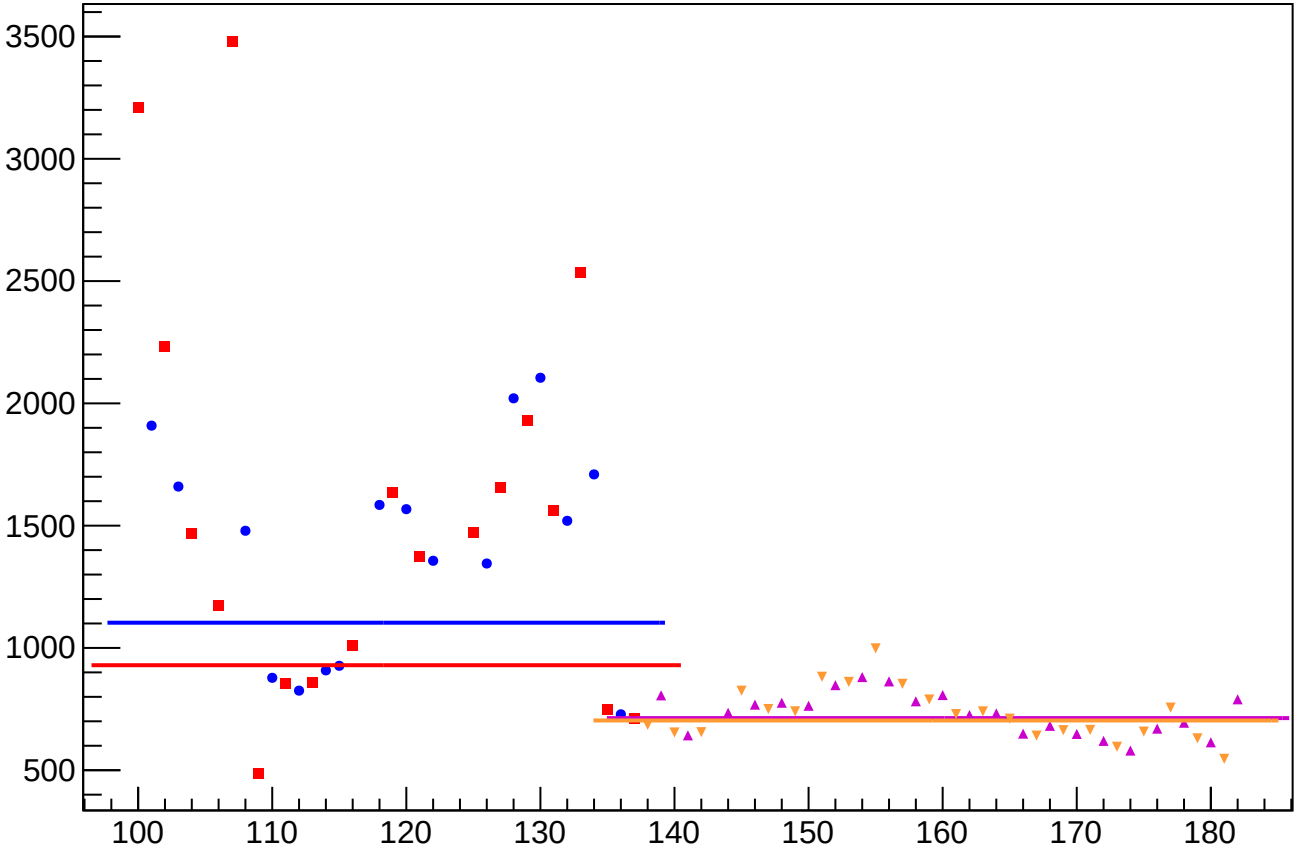
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 131.873+/-158.227 χ^2/NDF:46.1/37

Out: -424.509+/-156.153 χ^2/NDF:89.6/39

All: -149.989+/-111.143 χ^2/NDF: 141.9/77

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: 703.389+/-0.120 χ^2/NDF:658087.7/21

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 713.078+/-0.120 χ^2/NDF:491086.9/21

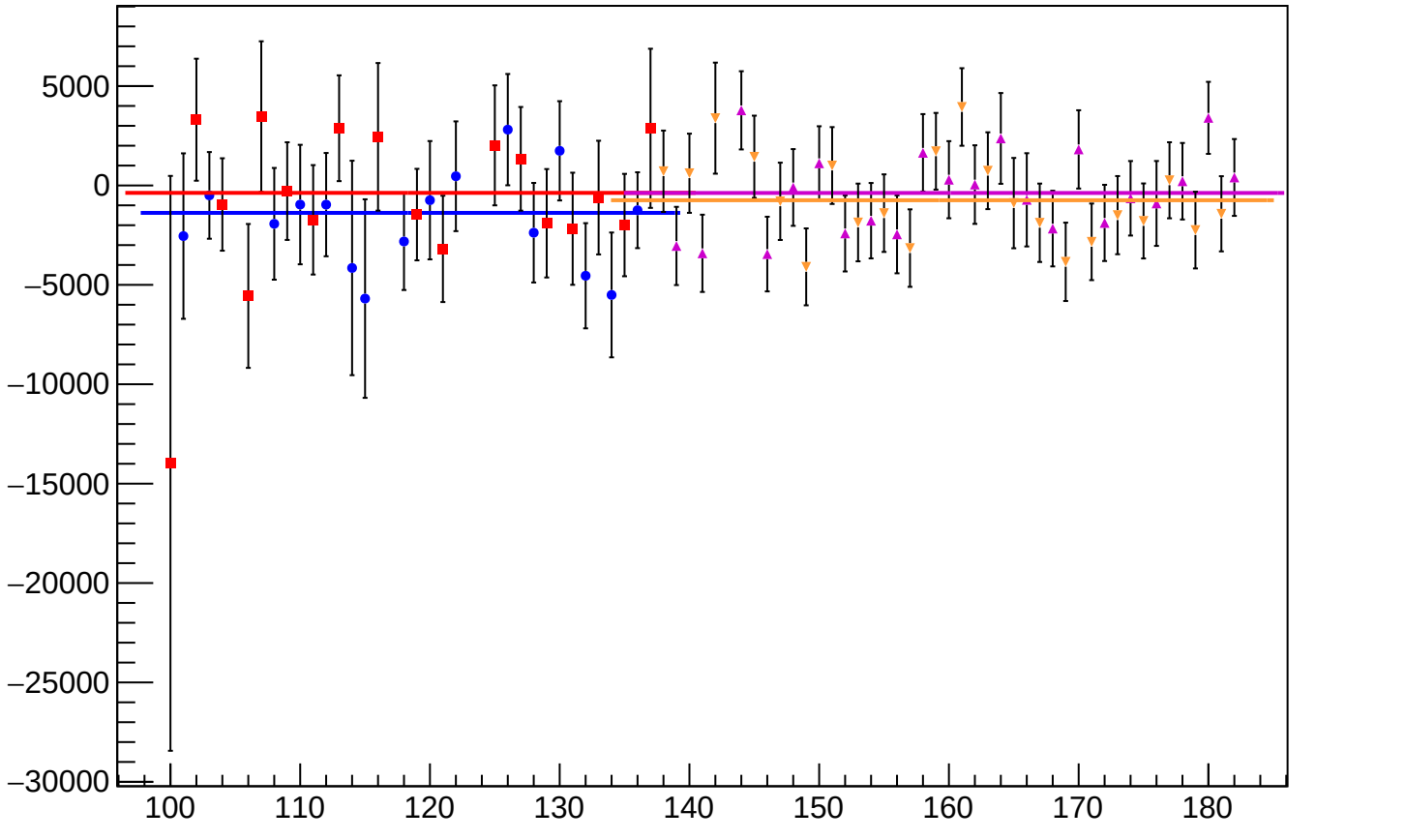
Left: 708.252+/-0.085 χ^2/NDF: 1152431.0/43

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 763.039+/-0.112 χ^2/NDF:3726845.0/37

Out: 738.987+/-0.110 χ^2/NDF:4268030.9/39

All: 750.854+/-0.079 χ^2/NDF: 8018287.8/77



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -743.927+/-423.399 χ^2/NDF:23.5/21

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -377.446+/-417.253 χ^2/NDF:25.0/21

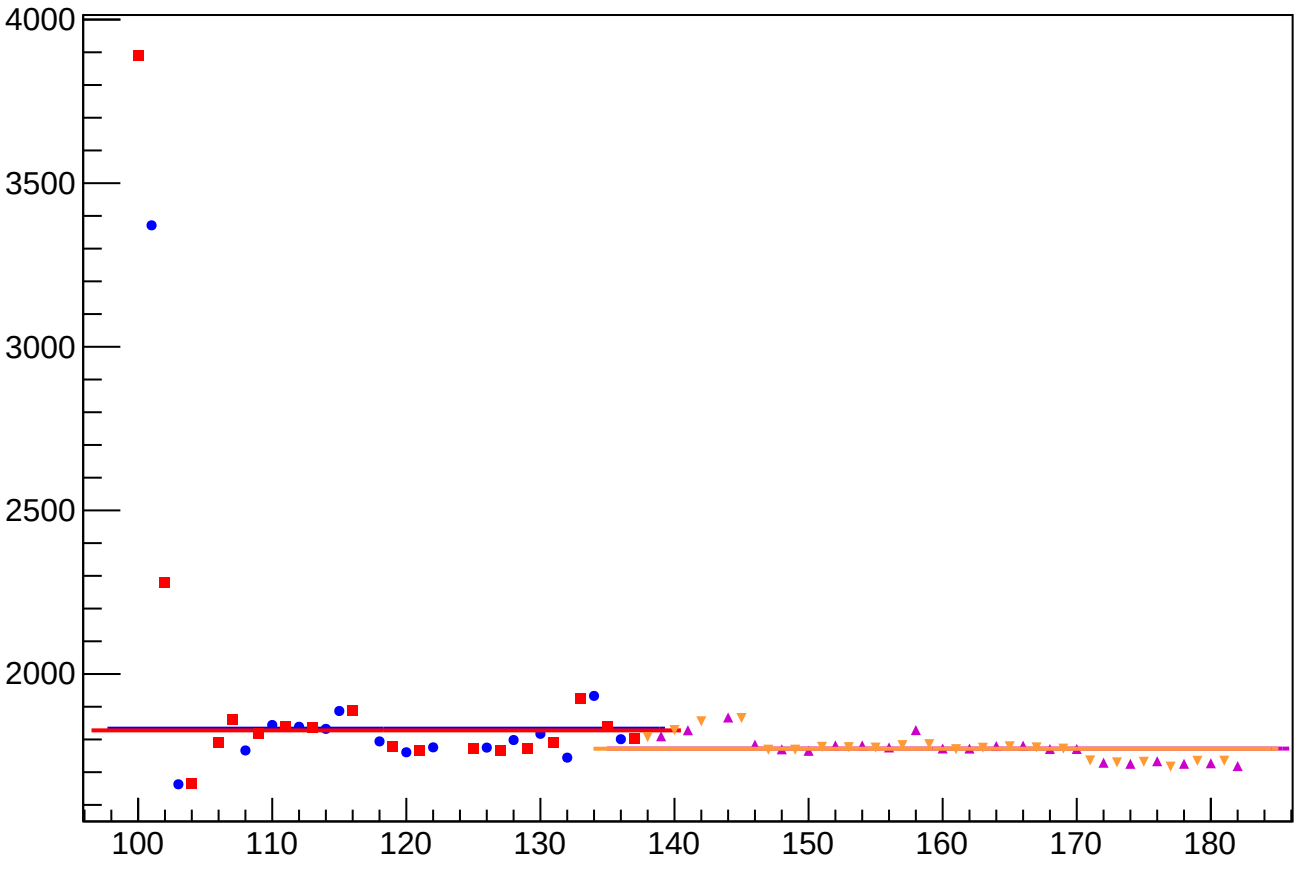
Left: -558.007+/-297.191 χ^2/NDF: 48.9/43

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -645.946+/-356.912 χ^2/NDF:35.9/37

Out: -641.132+/-360.068 χ^2/NDF:35.7/39

All: -643.560+/-253.483 χ^2/NDF: 71.5/77



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1771.688+/-0.299 χ^2/NDF:14006.1/21

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1772.148+/-0.295 χ^2/NDF:15849.2/21

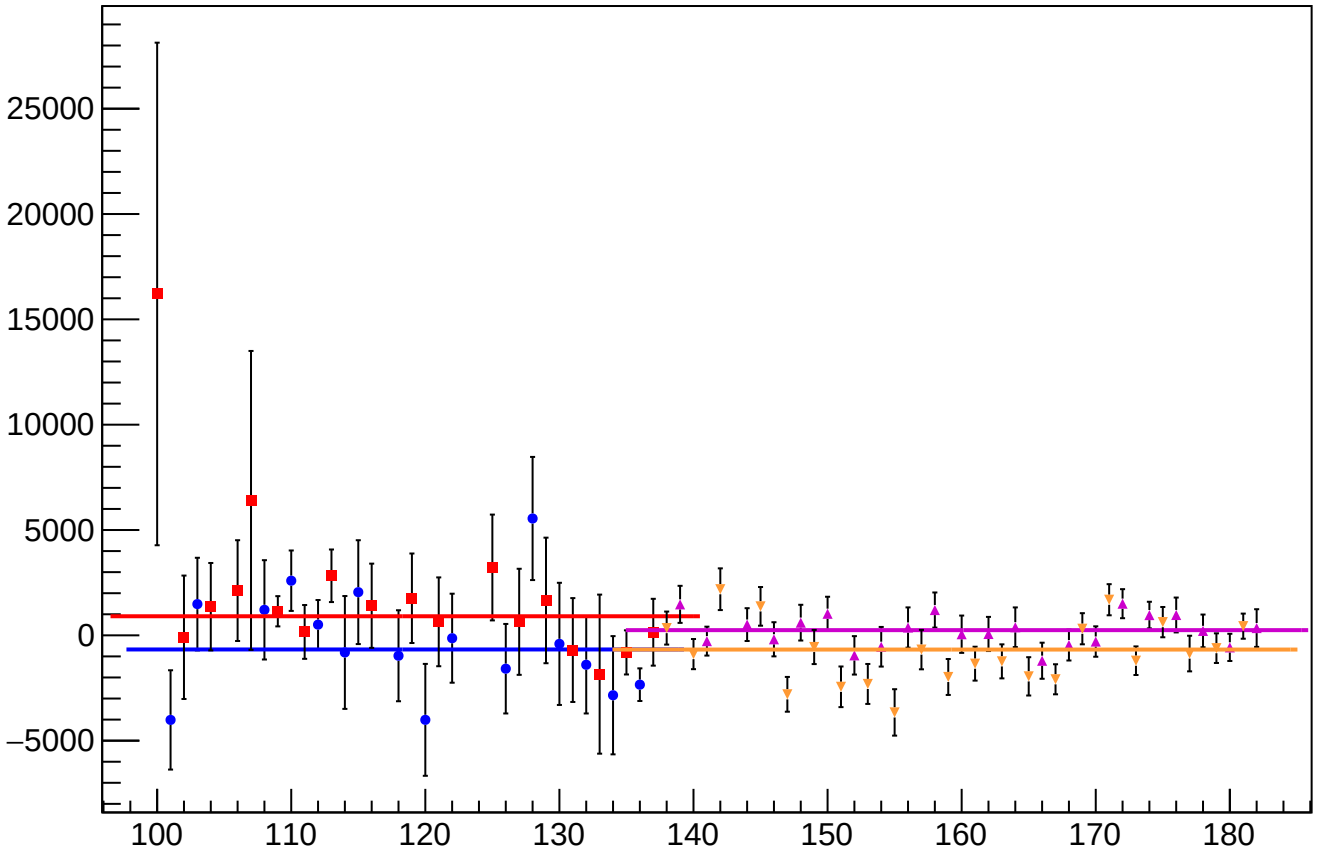
Left: 1771.921+/-0.210 χ^2/NDF: 29856.5/43

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1788.461+/-0.252 χ^2/NDF:322684.2/37

Out: 1787.215+/-0.255 χ^2/NDF:125993.8/39

All: 1787.844+/-0.179 χ^2/NDF: 448690.0/77



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -674.936+/-170.128 χ^2/NDF:64.3/21

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 246.900+/-169.451 χ^2/NDF:19.2/21

Left: -212.179+/-120.059 χ^2/NDF: 98.2/43

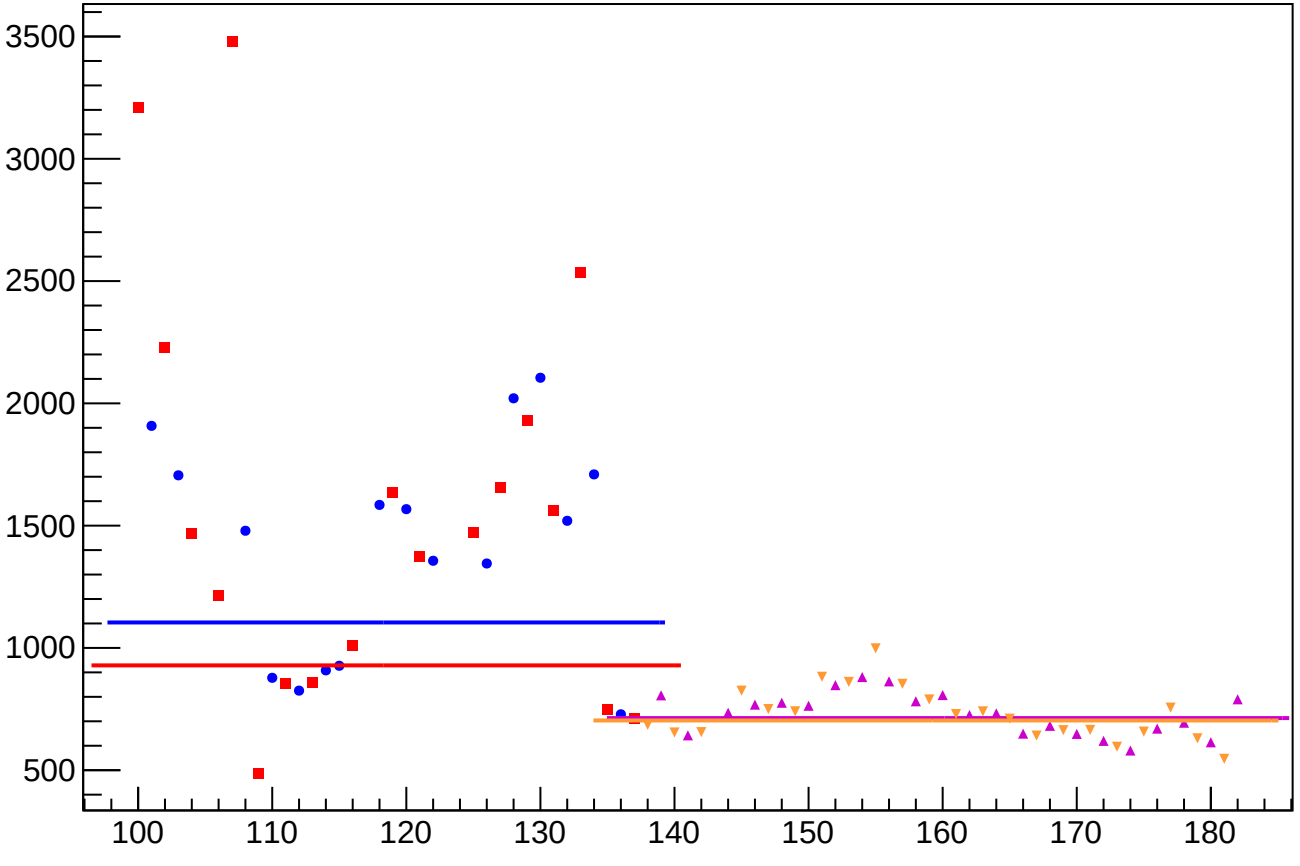
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 129.572+/-158.245 χ^2/NDF:45.8/37

Out: -427.377+/-156.240 χ^2/NDF:88.3/39

All: -152.453+/-111.181 χ^2/NDF: 140.3/77

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: 703.393+/-0.120 χ^2/NDF:658040.0/21

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 713.083+/-0.120 χ^2/NDF:491089.1/21

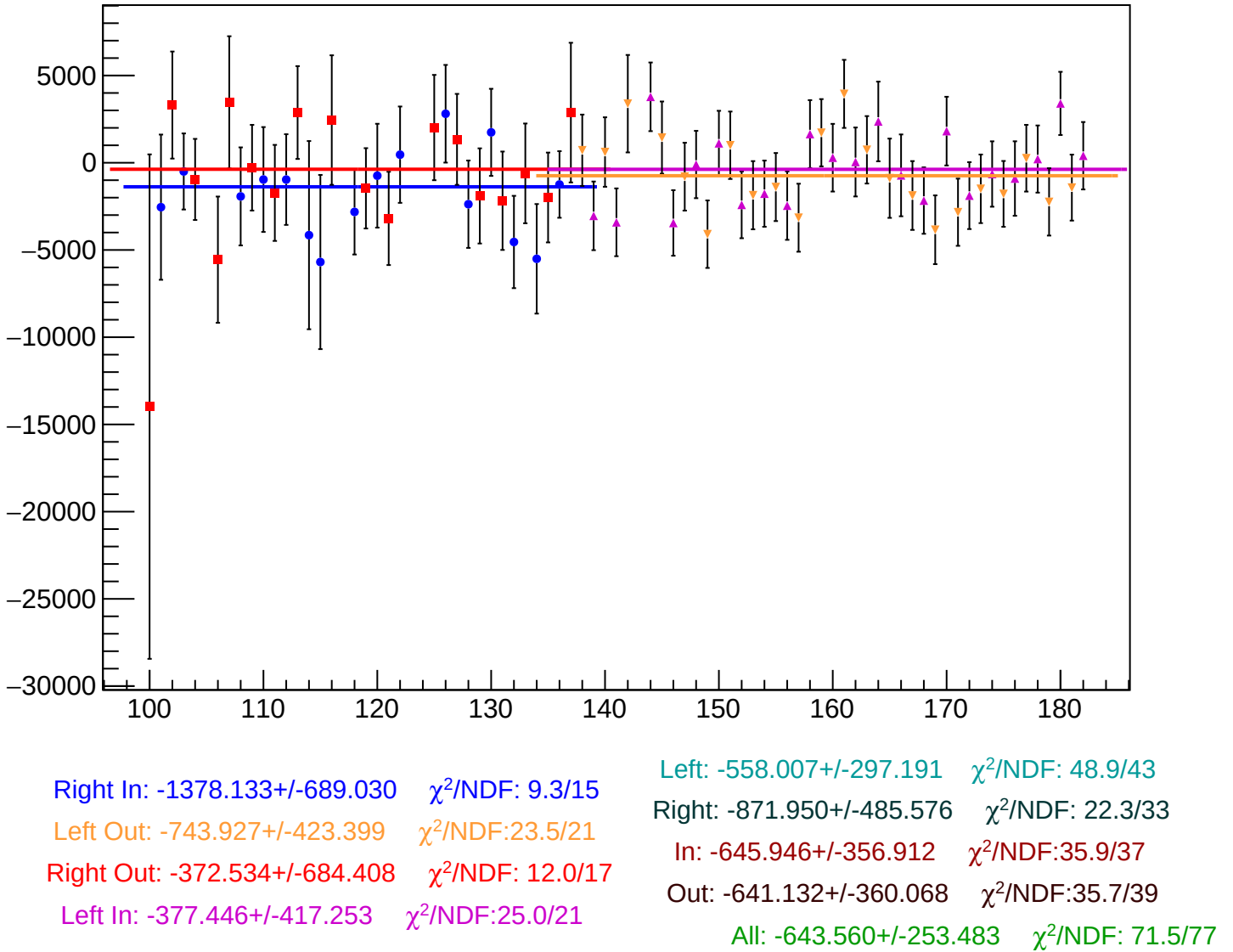
Left: 708.258+/-0.085 χ^2/NDF: 1152386.2/43

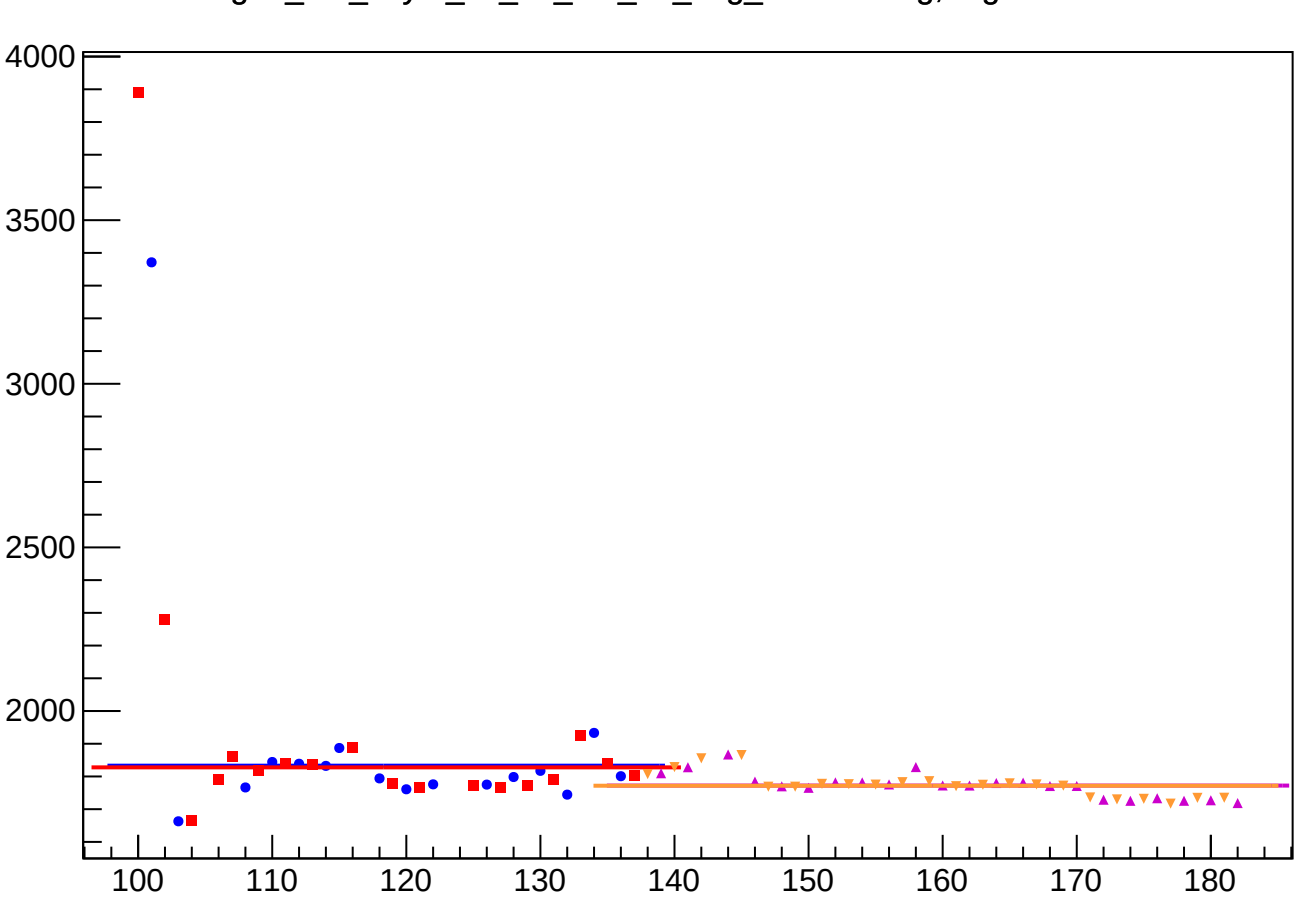
Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 763.089+/-0.112 χ^2/NDF:3747526.6/37

Out: 738.666+/-0.110 χ^2/NDF:4261394.2/39

All: 750.722+/-0.079 χ^2/NDF: 8033045.3/77


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -743.927+/-423.399 χ²/NDF:23.5/21
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -377.446+/-417.253 χ²/NDF:25.0/21
Left: -558.007+/-297.191 χ²/NDF: 48.9/43
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -645.946+/-356.912 χ²/NDF:35.9/37
Out: -641.132+/-360.068 χ²/NDF:35.7/39
All: -643.560+/-253.483 χ²/NDF: 71.5/77



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1771.688+/-0.299 χ^2/NDF:14006.1/21

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1772.148+/-0.295 χ^2/NDF:15849.2/21

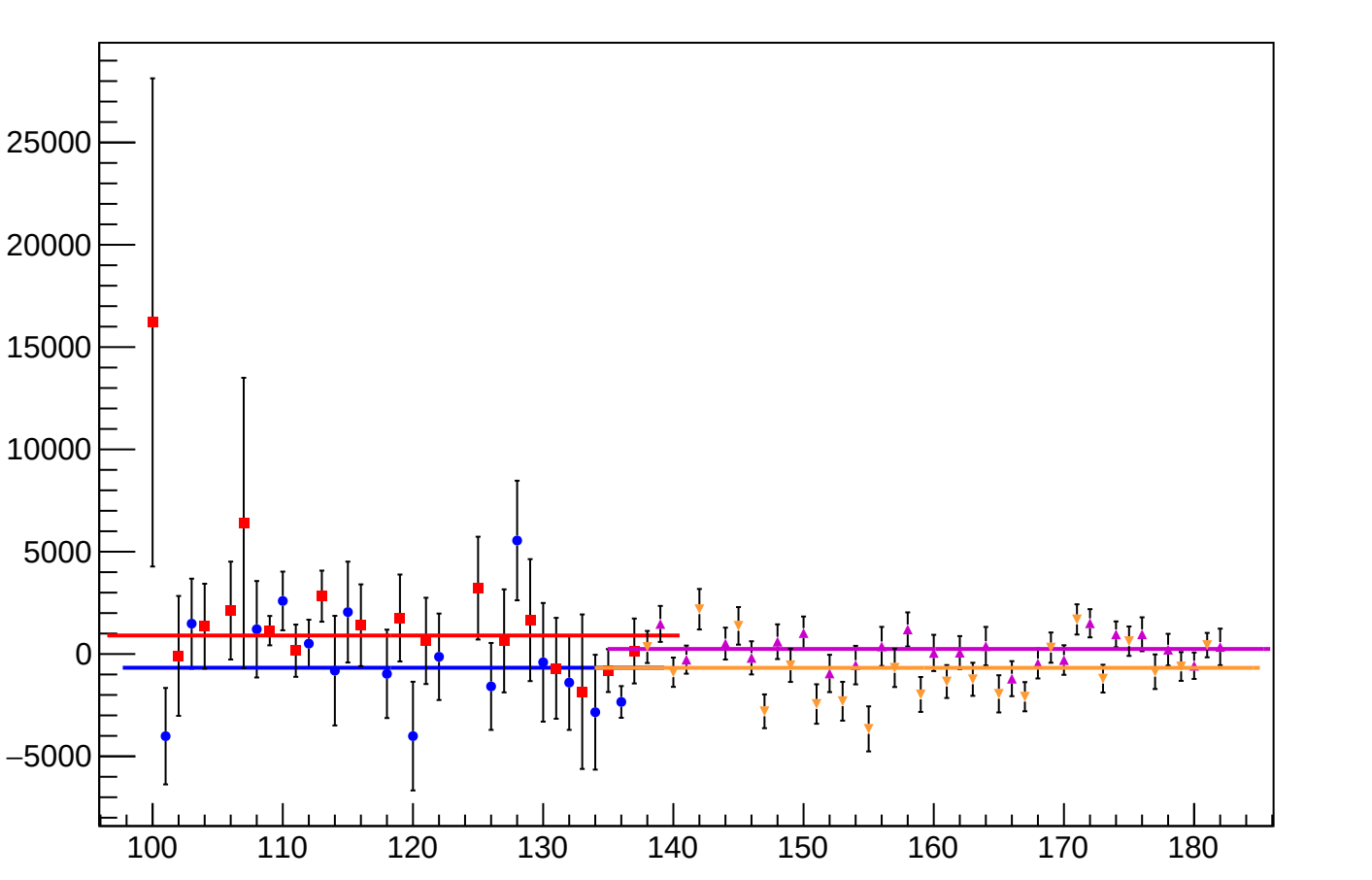
Left: 1771.921+/-0.210 χ^2/NDF: 29856.5/43

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1788.461+/-0.252 χ^2/NDF:322684.2/37

Out: 1787.215+/-0.255 χ^2/NDF:125993.8/39

All: 1787.844+/-0.179 χ^2/NDF: 448690.0/77



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -674.936+/-170.128 χ^2/NDF:64.3/21

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 246.900+/-169.451 χ^2/NDF:19.2/21

Left: -212.179+/-120.059 χ^2/NDF: 98.2/43

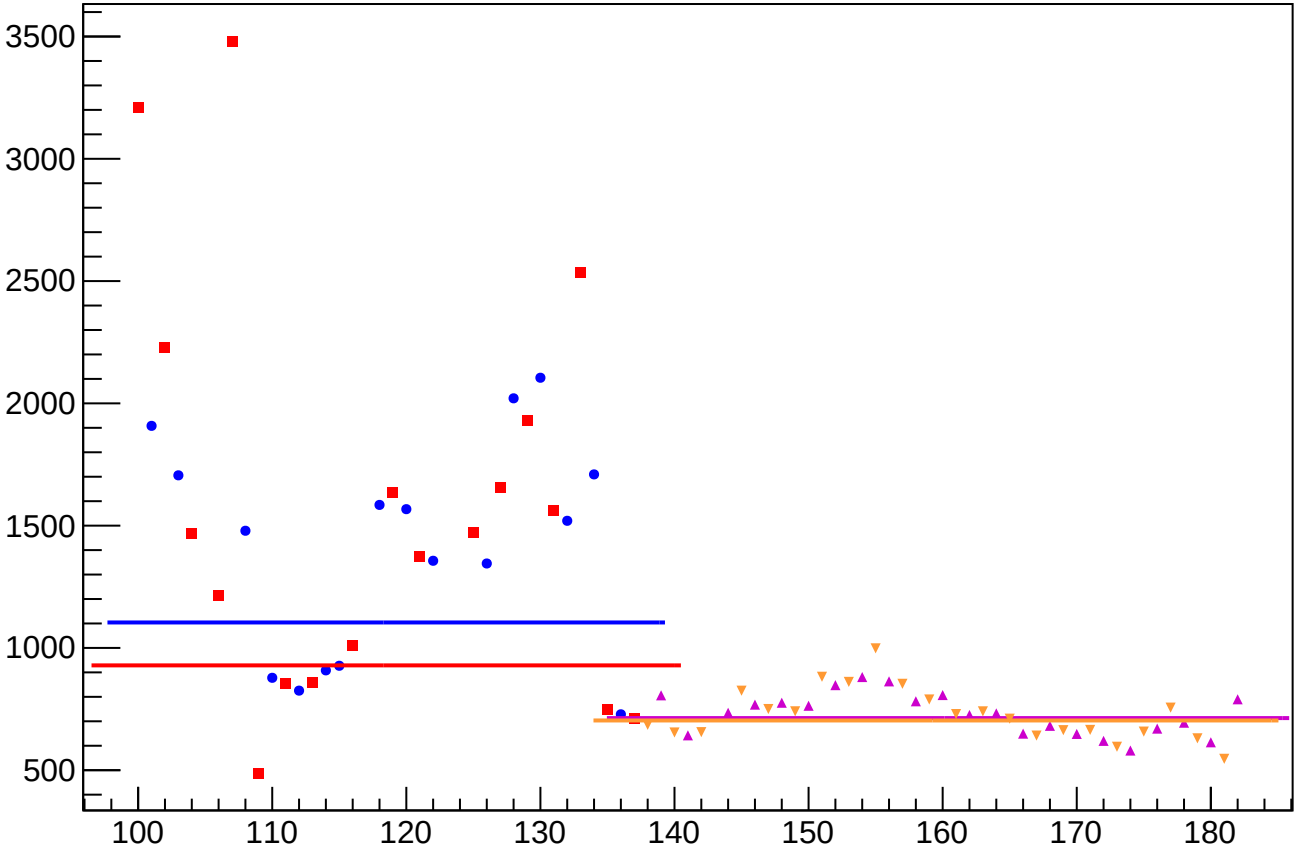
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 129.572+/-158.245 χ^2/NDF:45.8/37

Out: -427.377+/-156.240 χ^2/NDF:88.3/39

All: -152.453+/-111.181 χ^2/NDF: 140.3/77

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: 703.393+/-0.120 χ^2/NDF:658040.0/21

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 713.083+/-0.120 χ^2/NDF:491089.1/21

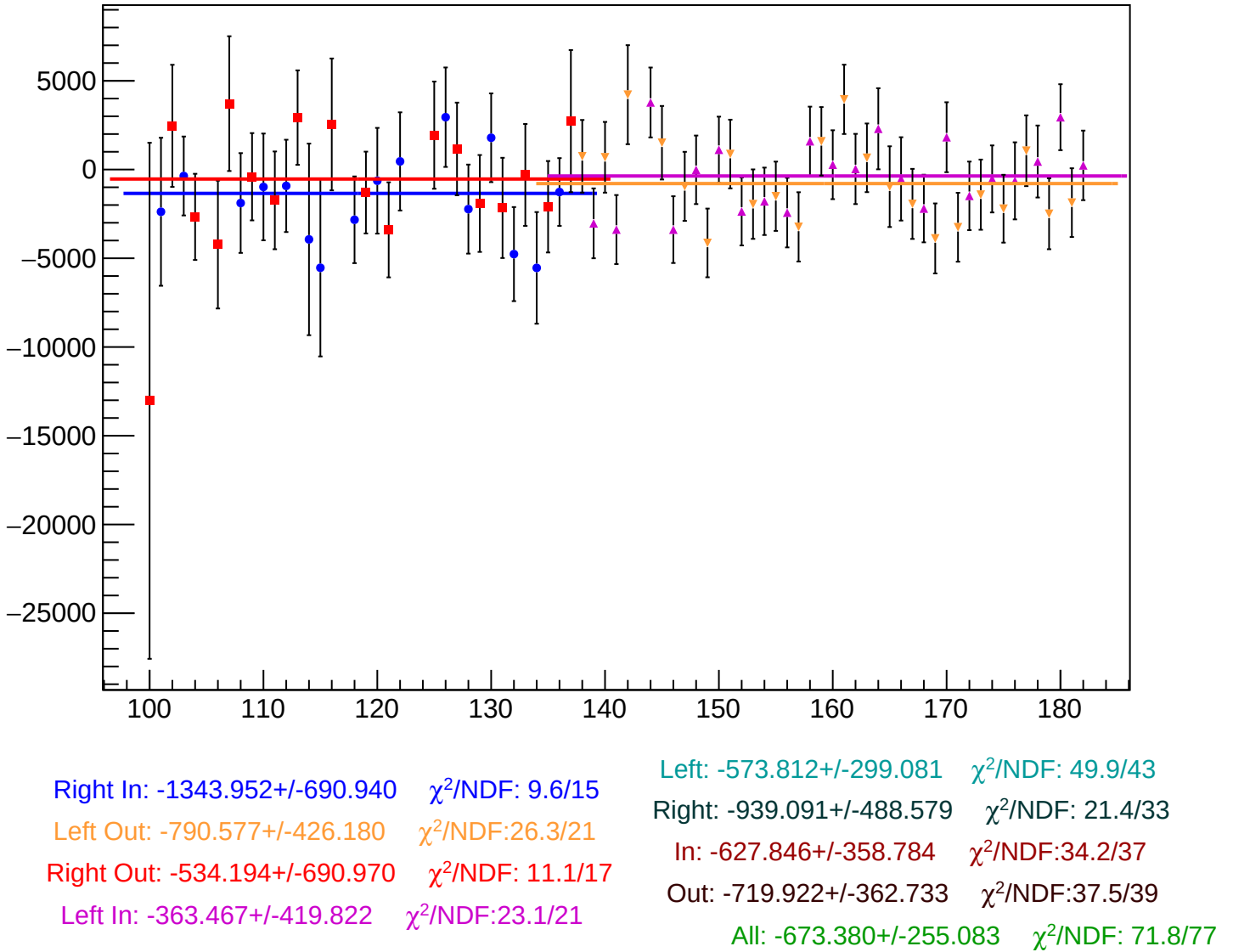
Left: 708.258+/-0.085 χ^2/NDF: 1152386.2/43

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 763.089+/-0.112 χ^2/NDF:3747526.6/37

Out: 738.666+/-0.110 χ^2/NDF:4261394.2/39

All: 750.722+/-0.079 χ^2/NDF: 8033045.3/77


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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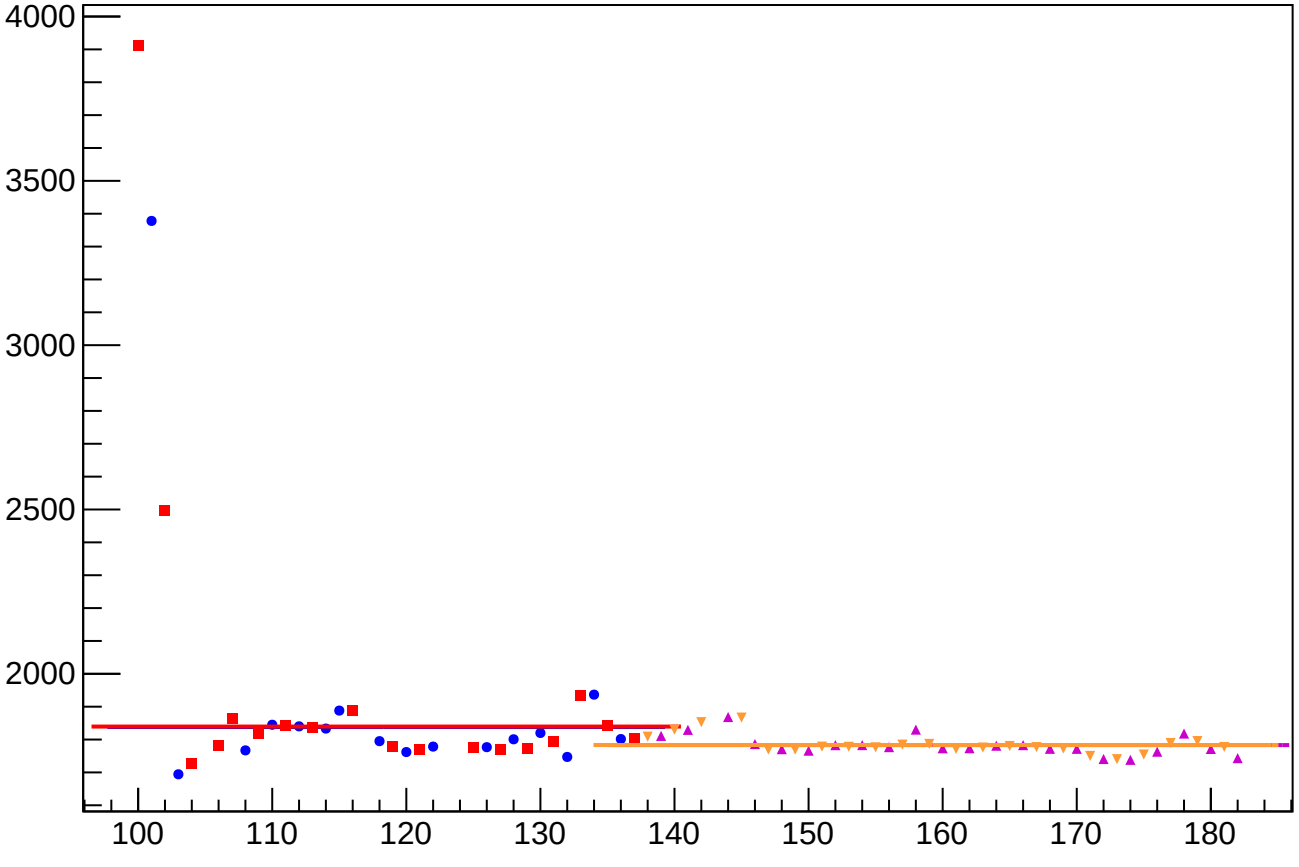
−25000
100
110
120
130
140
150
160
170
180
Right In: -1343.952+/-690.940 χ²/NDF: 9.6/15
Left Out: -790.577+/-426.180 χ²/NDF:26.3/21
Right Out: -534.194+/-690.970 χ²/NDF: 11.1/17
Left In: -363.467+/-419.822 χ²/NDF:23.1/21
Left: -573.812+/-299.081 χ²/NDF: 49.9/43
Right: -939.091+/-488.579 χ²/NDF: 21.4/33
In: -627.846+/-358.784 χ²/NDF:34.2/37
Out: -719.922+/-362.733 χ²/NDF:37.5/39
All: -673.380+/-255.083 χ²/NDF: 71.8/77

dit_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1783.448+/-0.301 χ^2/NDF:8440.3/21

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1783.165+/-0.297 χ^2/NDF:10736.3/21

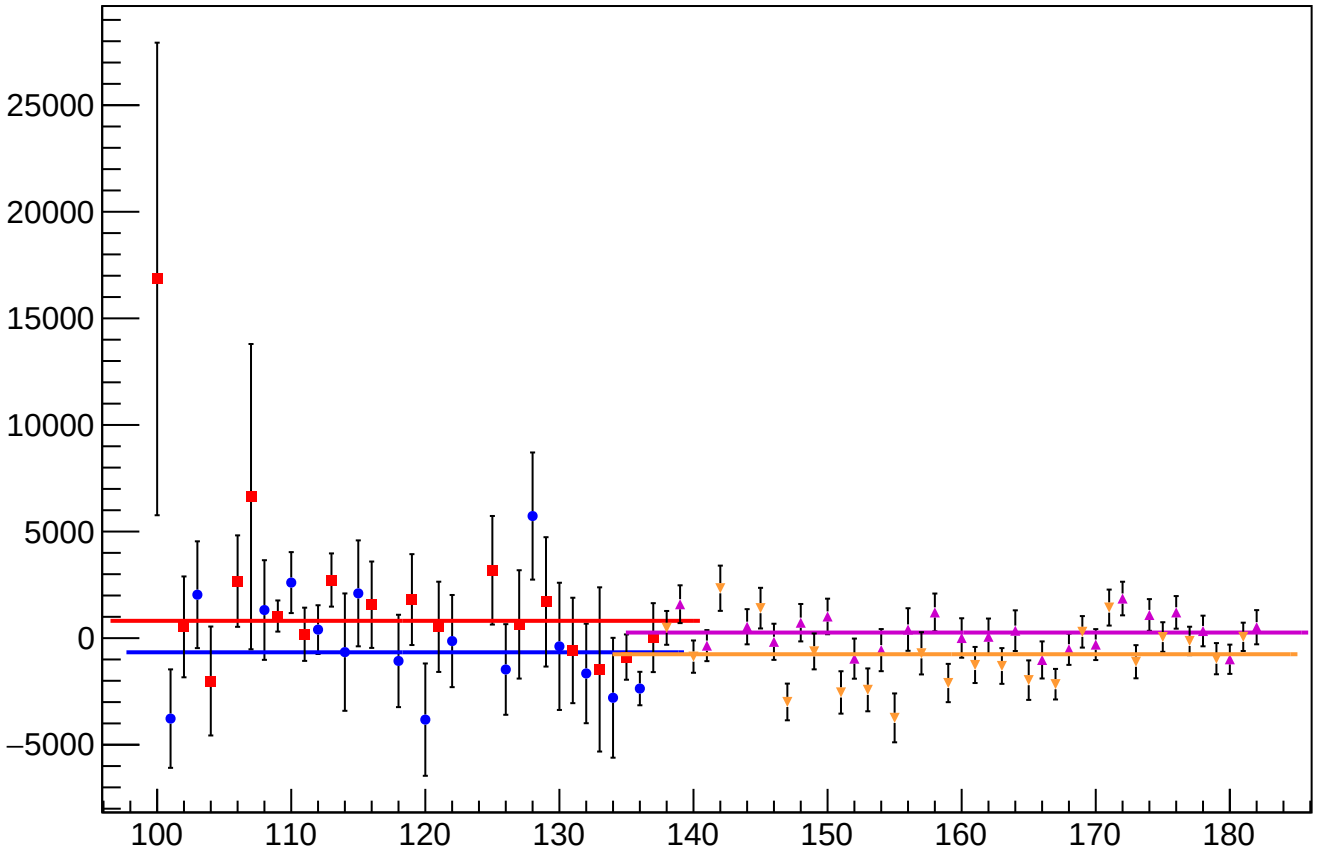
Left: 1783.304+/-0.211 χ^2/NDF: 19177.0/43

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1797.993+/-0.254 χ^2/NDF:311974.2/37

Out: 1798.900+/-0.256 χ^2/NDF:146234.0/39

All: 1798.442+/-0.180 χ^2/NDF: 458214.5/77



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -754.182+/-175.732 χ^2/NDF:57.1/21

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 262.270+/-175.003 χ^2/NDF:22.3/21

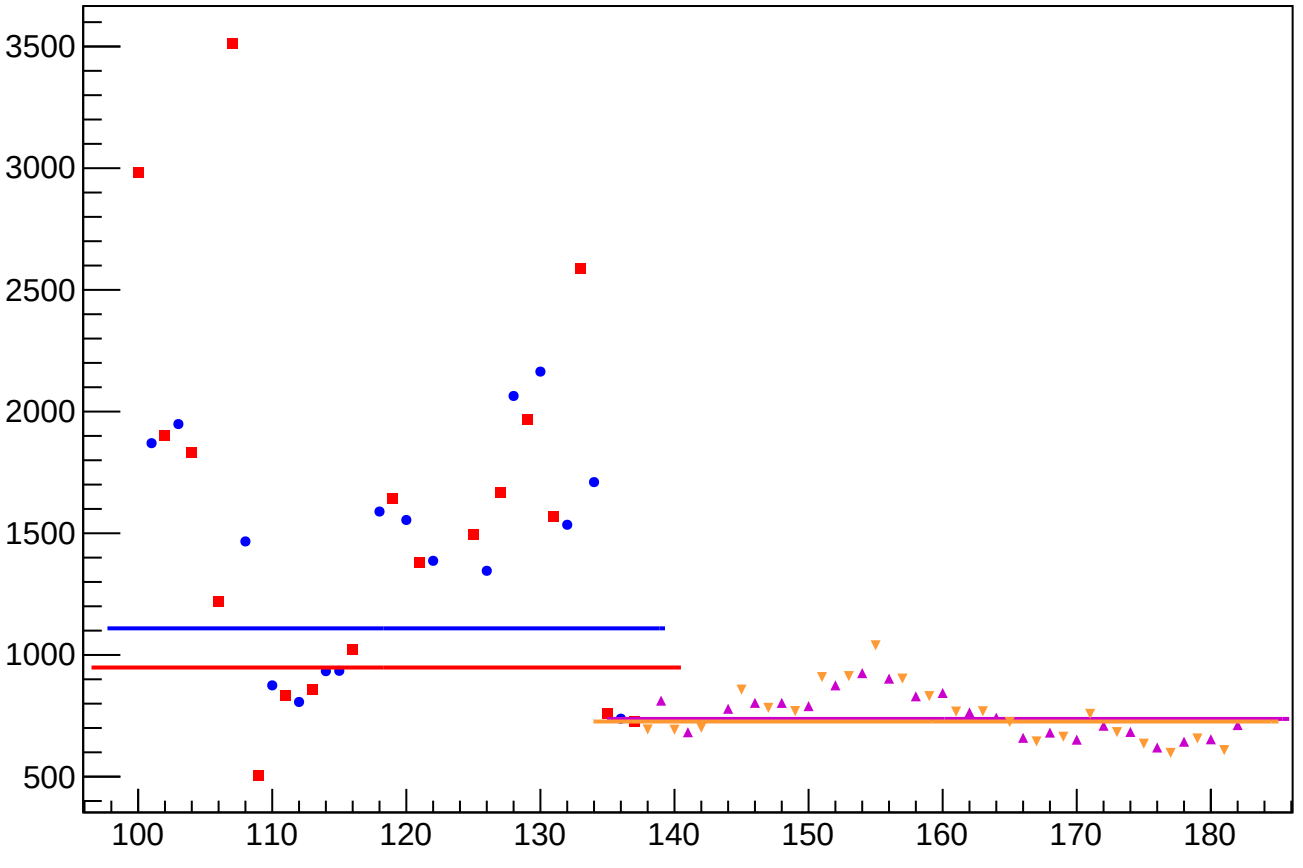
Left: -243.843+/-124.003 χ^2/NDF: 96.2/43

Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 138.707+/-162.906 χ^2/NDF:48.8/37

Out: -497.754+/-160.705 χ^2/NDF:82.3/39

All: -183.852+/-114.406 χ^2/NDF: 138.9/77



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 726.536+/-0.124 χ^2/NDF:684731.4/21

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 737.236+/-0.124 χ^2/NDF:464026.2/21

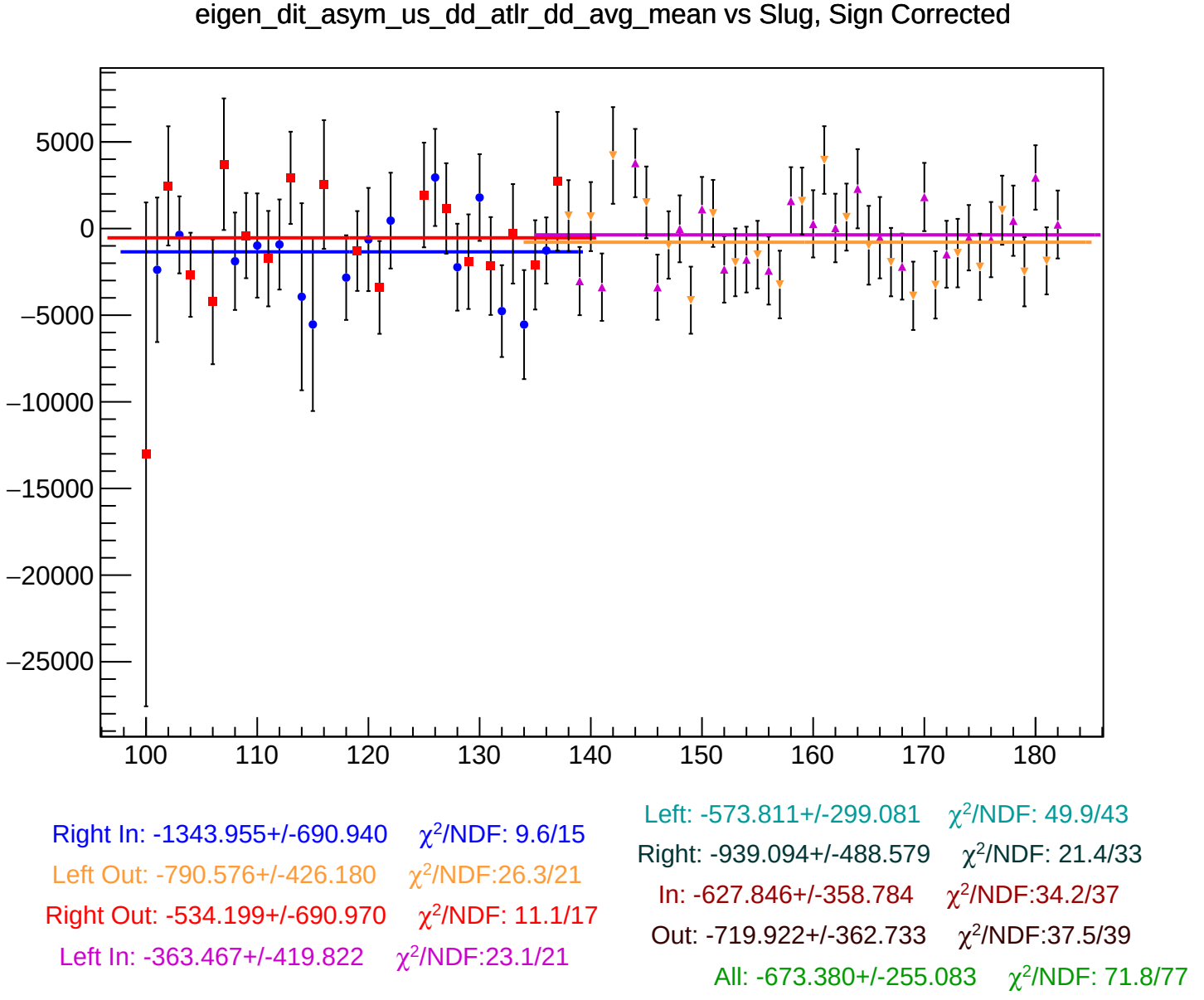
Left: 731.908+/-0.088 χ^2/NDF: 1152480.5/43

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 786.905+/-0.115 χ^2/NDF:3644397.8/37

Out: 762.863+/-0.114 χ^2/NDF:4260463.7/39

All: 774.720+/-0.081 χ^2/NDF: 7926937.6/77


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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−25000
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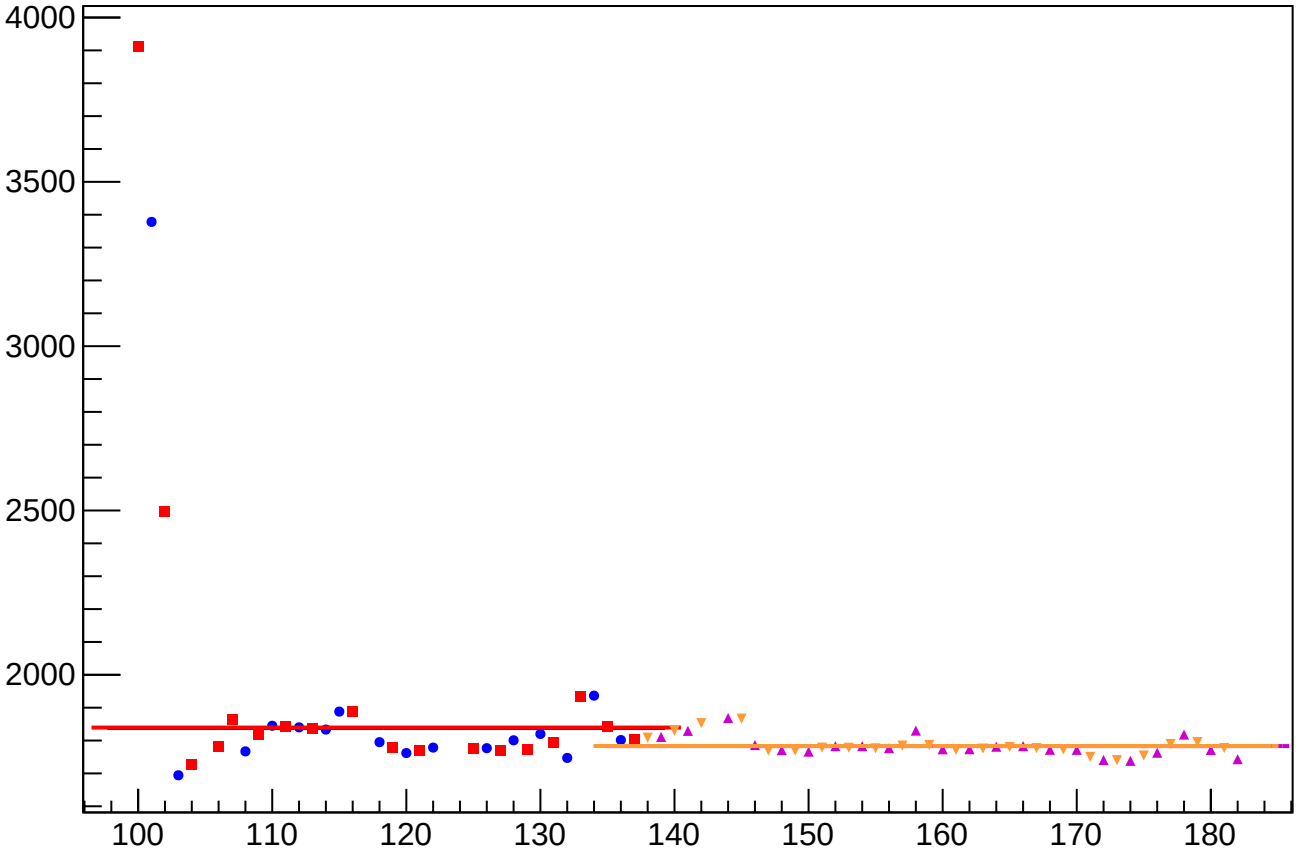
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -790.576+/-426.180 χ²/NDF:26.3/21
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -363.467+/-419.822 χ²/NDF:23.1/21
Left: -573.811+/-299.081 χ²/NDF: 49.9/43
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -627.846+/-358.784 χ²/NDF:34.2/37
Out: -719.922+/-362.733 χ²/NDF:37.5/39
All: -673.380+/-255.083 χ²/NDF: 71.8/77



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1783.448+/-0.301 χ^2/NDF:8440.4/21

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1783.164+/-0.297 χ^2/NDF:10736.3/21

Left: 1783.304+/-0.211 χ^2/NDF: 19177.1/43

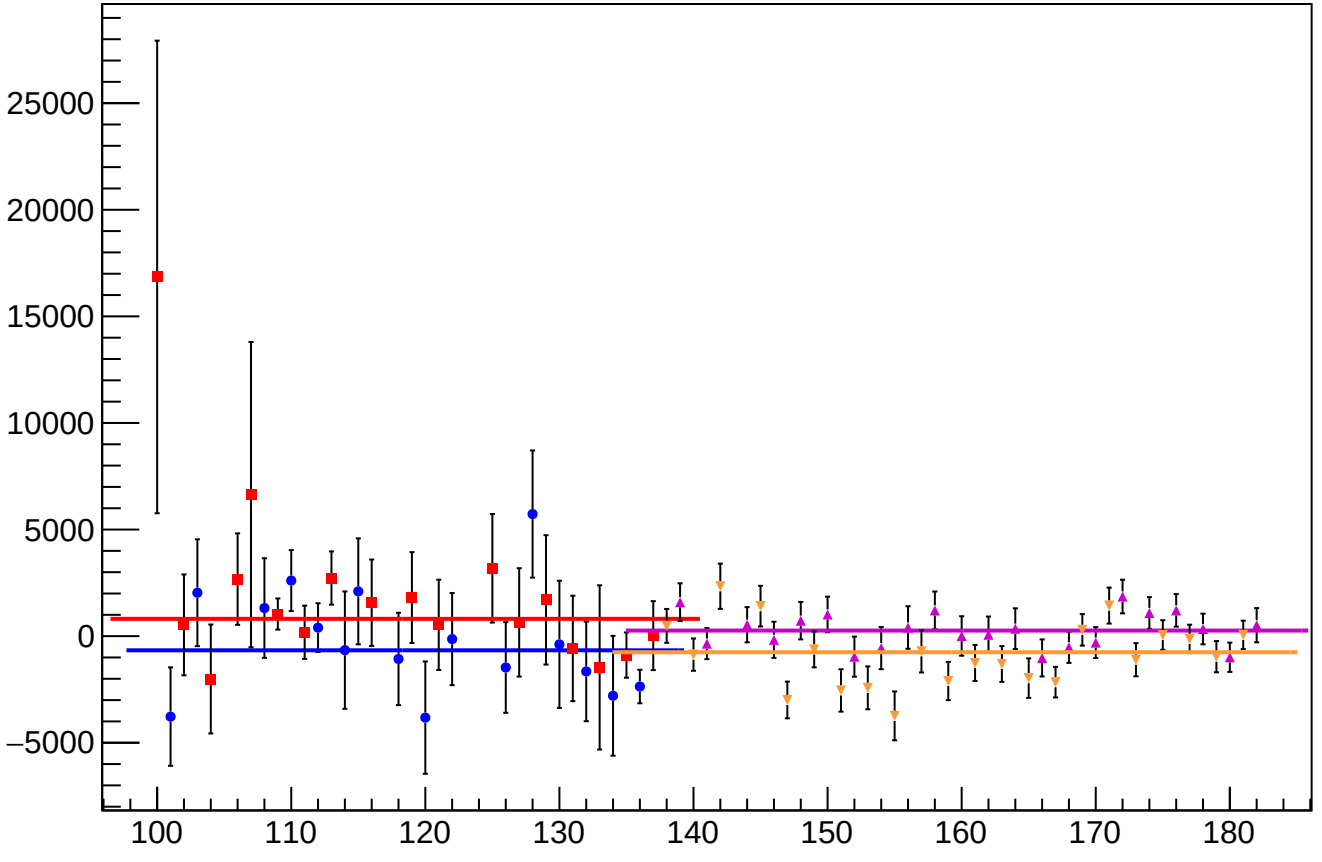
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1797.993+/-0.254 χ^2/NDF:311974.2/37

Out: 1798.900+/-0.256 χ^2/NDF:146234.1/39

All: 1798.442+/-0.180 χ^2/NDF: 458214.6/77

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: -754.183+/-175.732 χ^2/NDF:57.1/21

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 262.268+/-175.003 χ^2/NDF:22.3/21

Left: -243.845+/-124.003 χ^2/NDF: 96.2/43

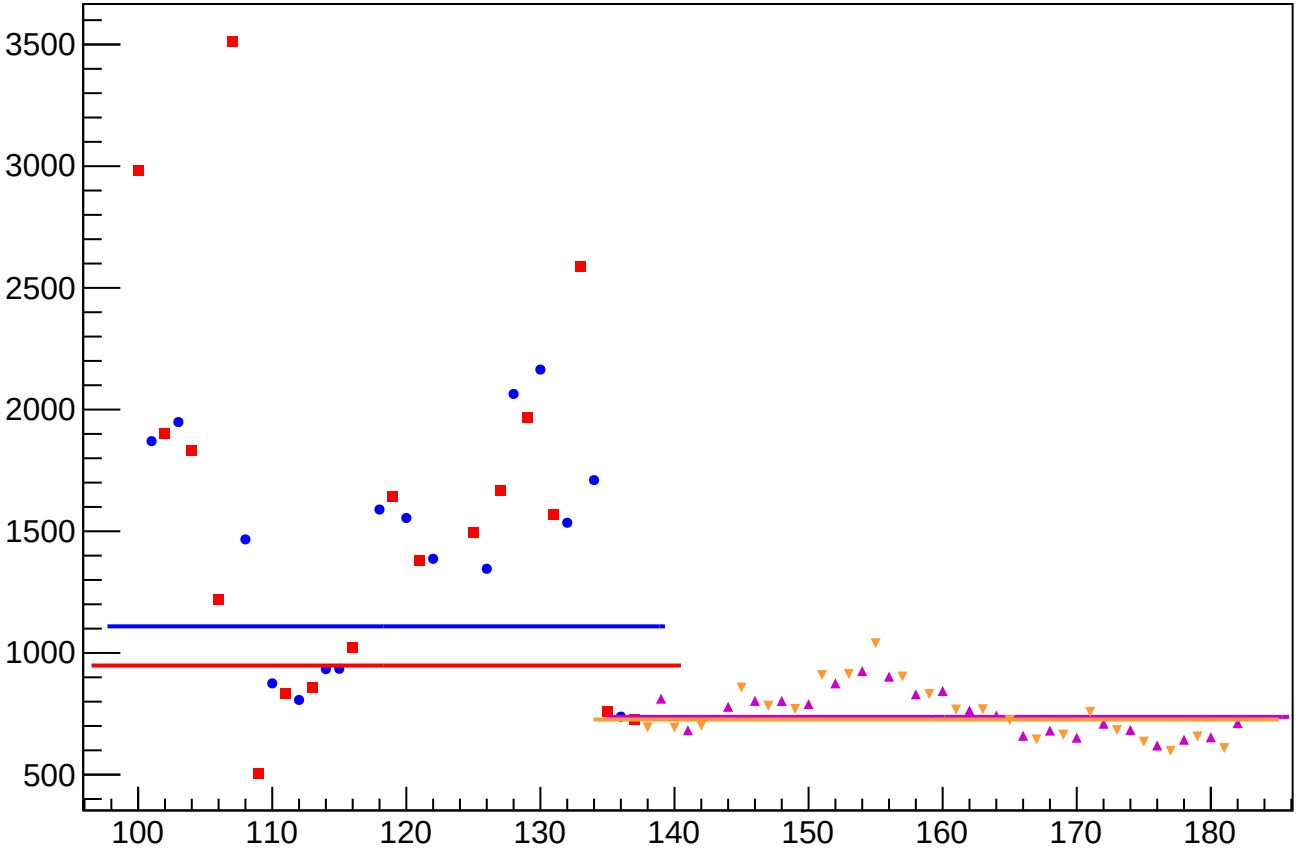
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 138.707+/-162.906 χ^2/NDF:48.8/37

Out: -497.755+/-160.705 χ^2/NDF:82.3/39

All: -183.852+/-114.406 χ^2/NDF: 138.9/77

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: 726.536+/-0.124 χ^2/NDF:684727.5/21

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 737.235+/-0.124 χ^2/NDF:464038.1/21

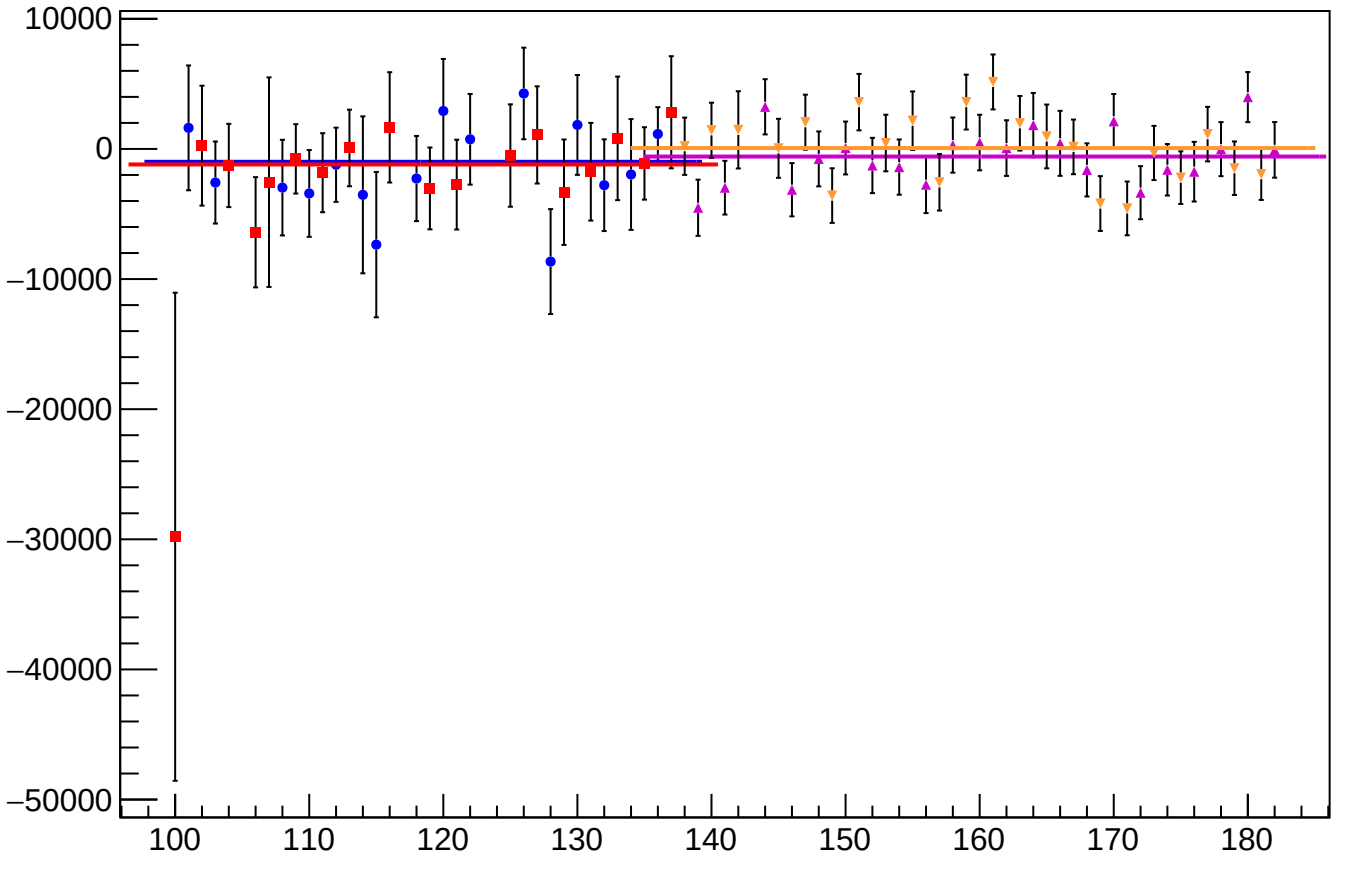
Left: 731.908+/-0.088 χ^2/NDF: 1152487.9/43

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 786.904+/-0.115 χ^2/NDF:3644391.0/37

Out: 762.864+/-0.114 χ^2/NDF:4260442.8/39

All: 774.720+/-0.081 χ^2/NDF: 7926908.4/77



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 68.830+/-459.003 χ^2/NDF:31.4/21

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -584.425+/-452.321 χ^2/NDF:22.5/21

Left: -262.587+/-322.175 χ^2/NDF: 55.0/43

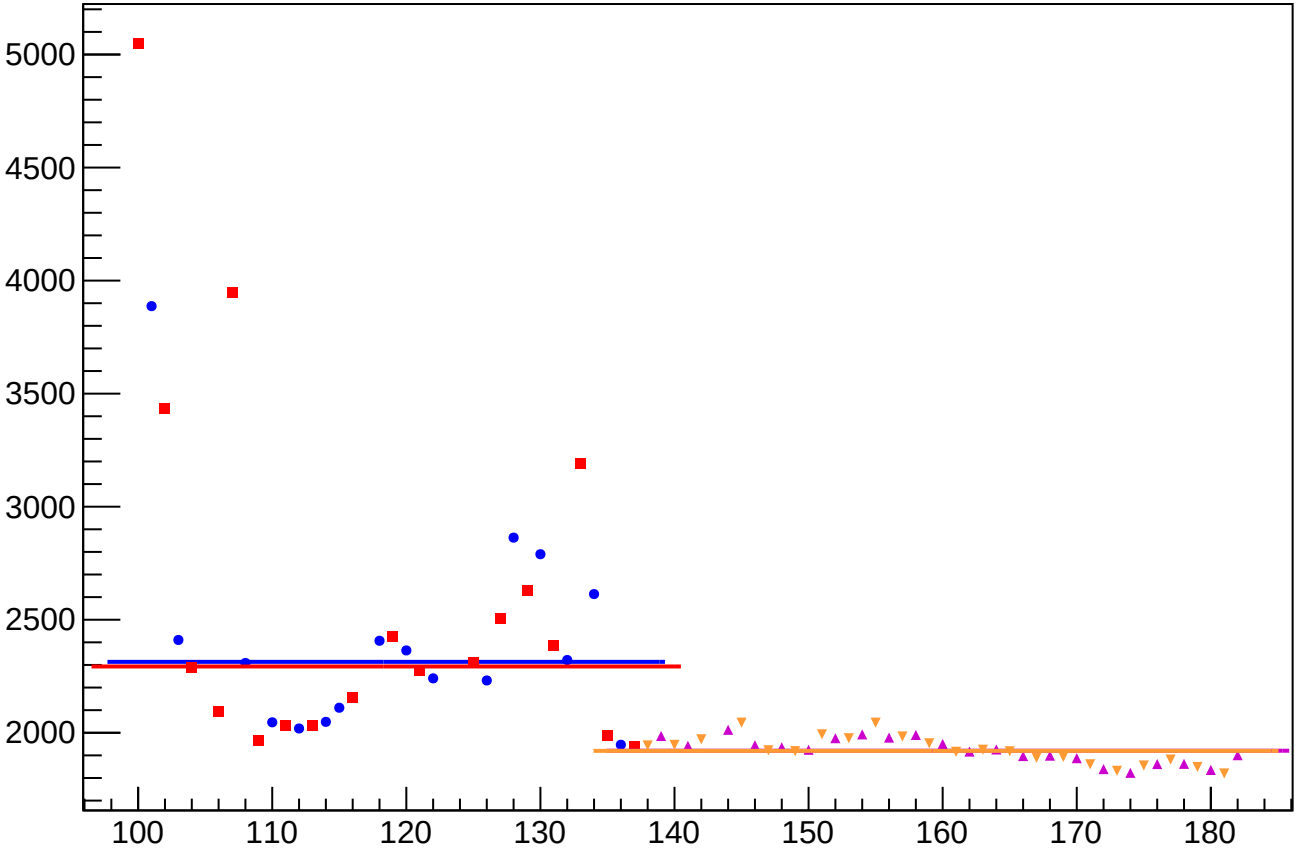
Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -669.608+/-401.697 χ^2/NDF:34.7/37

Out: -205.530+/-406.010 χ^2/NDF:40.0/39

All: -440.047+/-285.555 χ^2/NDF: 75.4/77

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: 1919.998+/-0.325 χ^2/NDF:35395.1/21

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1920.620+/-0.320 χ^2/NDF:29815.5/21

Left: 1920.313+/-0.228 χ^2/NDF: 65212.4/43

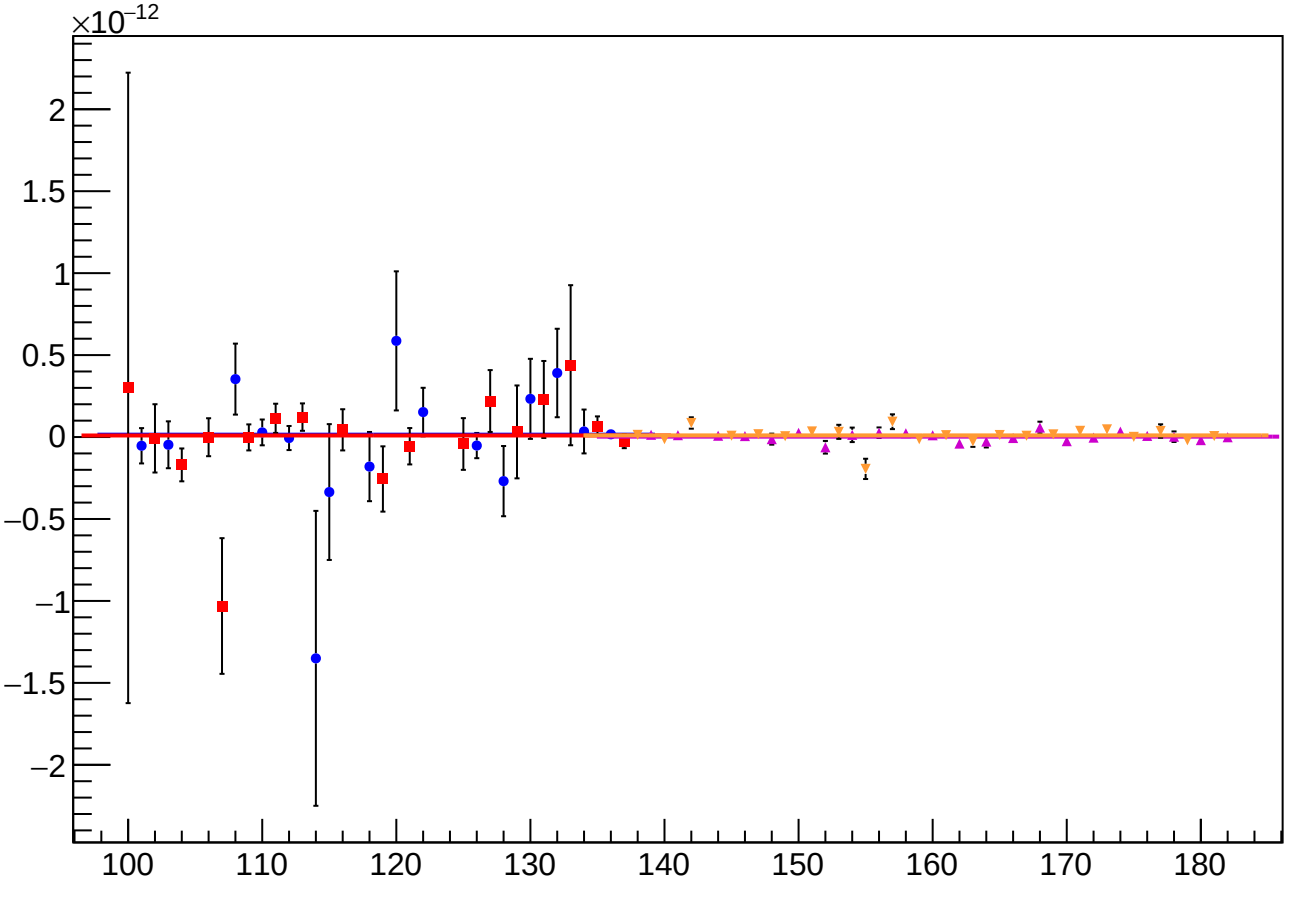
Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2003.693+/-0.284 χ^2/NDF:751816.0/37

Out: 2001.213+/-0.287 χ^2/NDF:776383.1/39

All: 2002.467+/-0.202 χ^2/NDF: 1528236.8/77

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:17.9/21

Left: 0.000+/-0.000 χ^2/NDF: 51.1/43

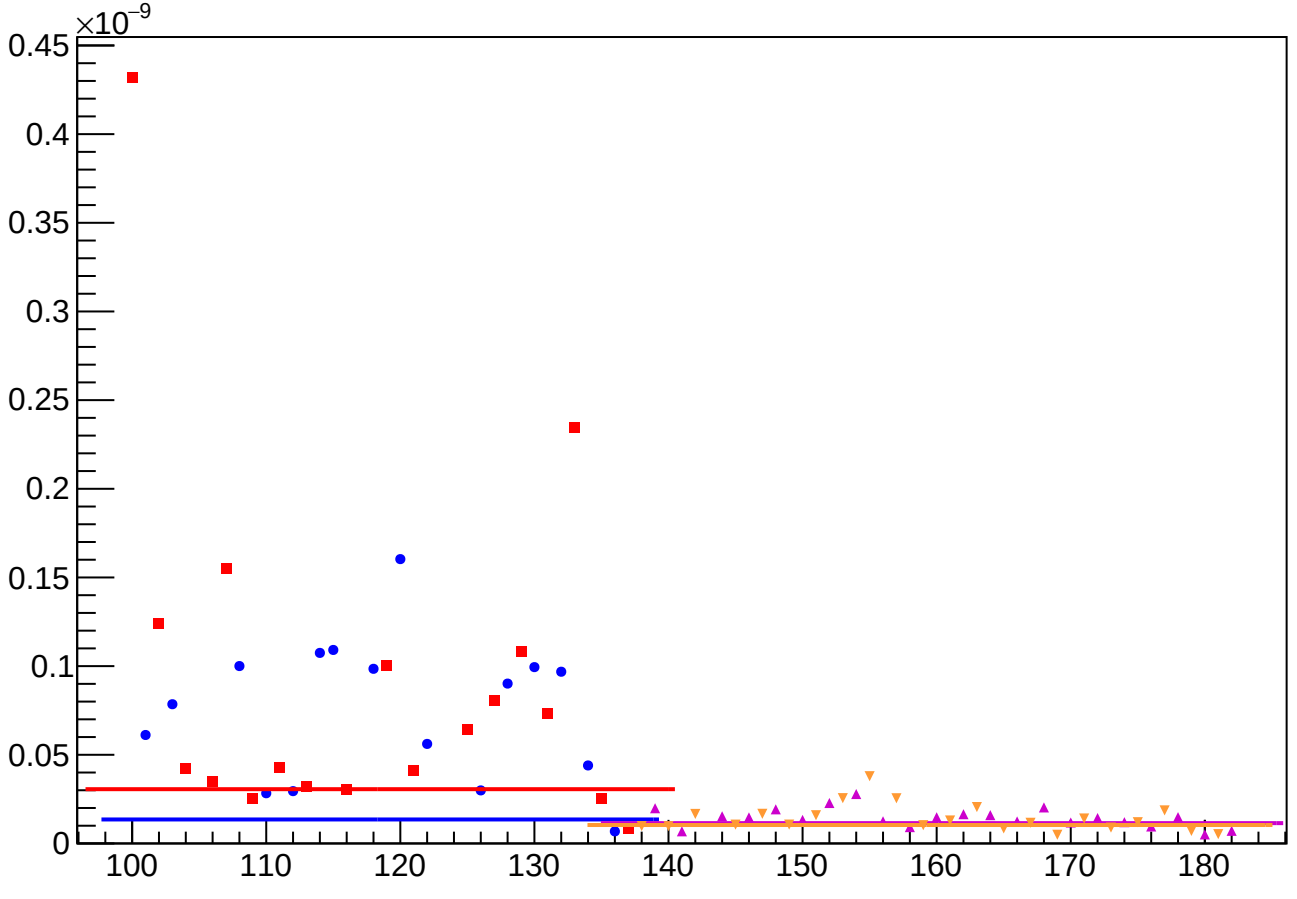
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:33.5/37

Out: 0.000+/-0.000 χ^2/NDF:51.5/39

All: 0.000+/-0.000 χ^2/NDF: 85.9/77

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2072362.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1894338.5/21

Left: 0.000+/-0.000 χ^2/NDF: 4012506.5/43

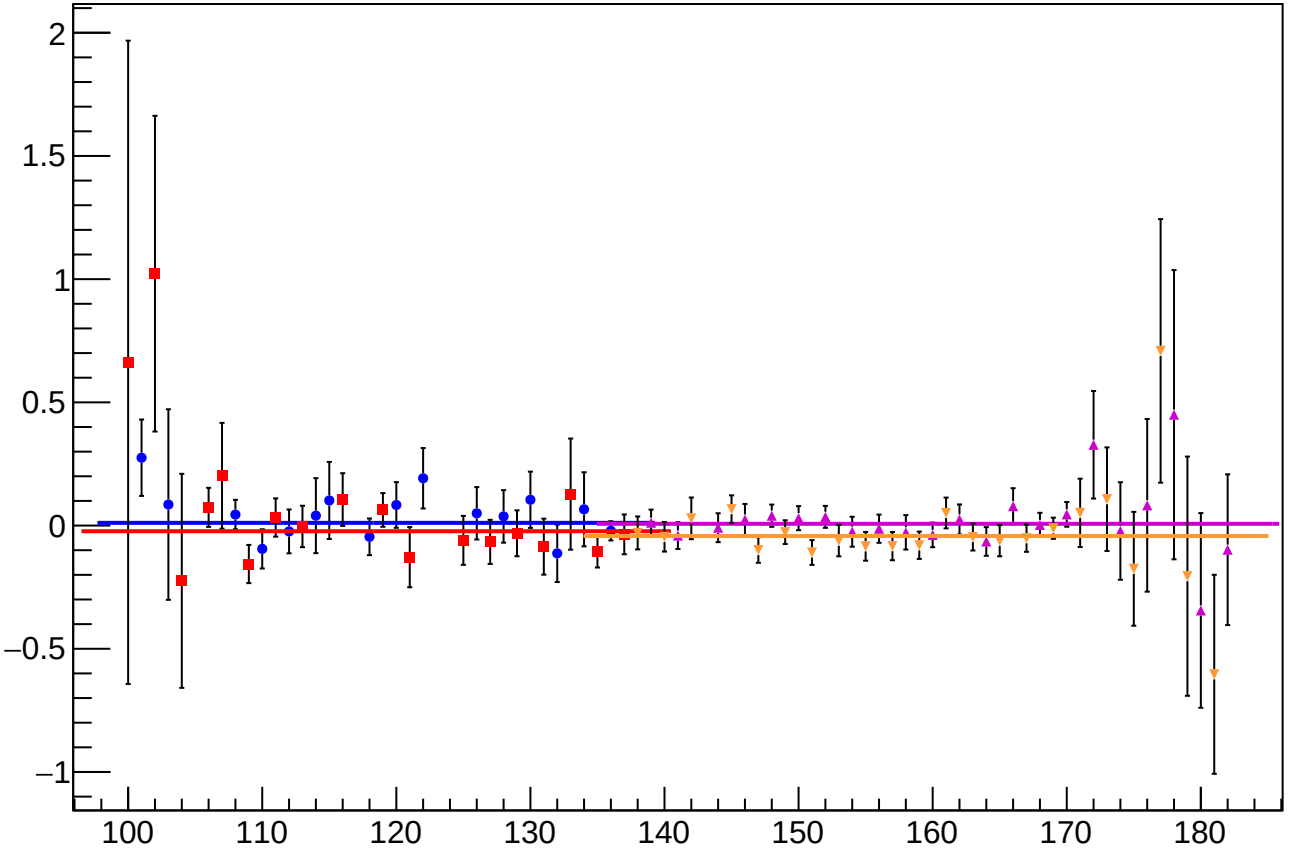
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:5349032.6/37

Out: 0.000+/-0.000 χ^2/NDF:5775085.6/39

All: 0.000+/-0.000 χ^2/NDF: 11136791.8/77

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:17.4/21

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.007+/-0.014 χ^2/NDF:10.4/21

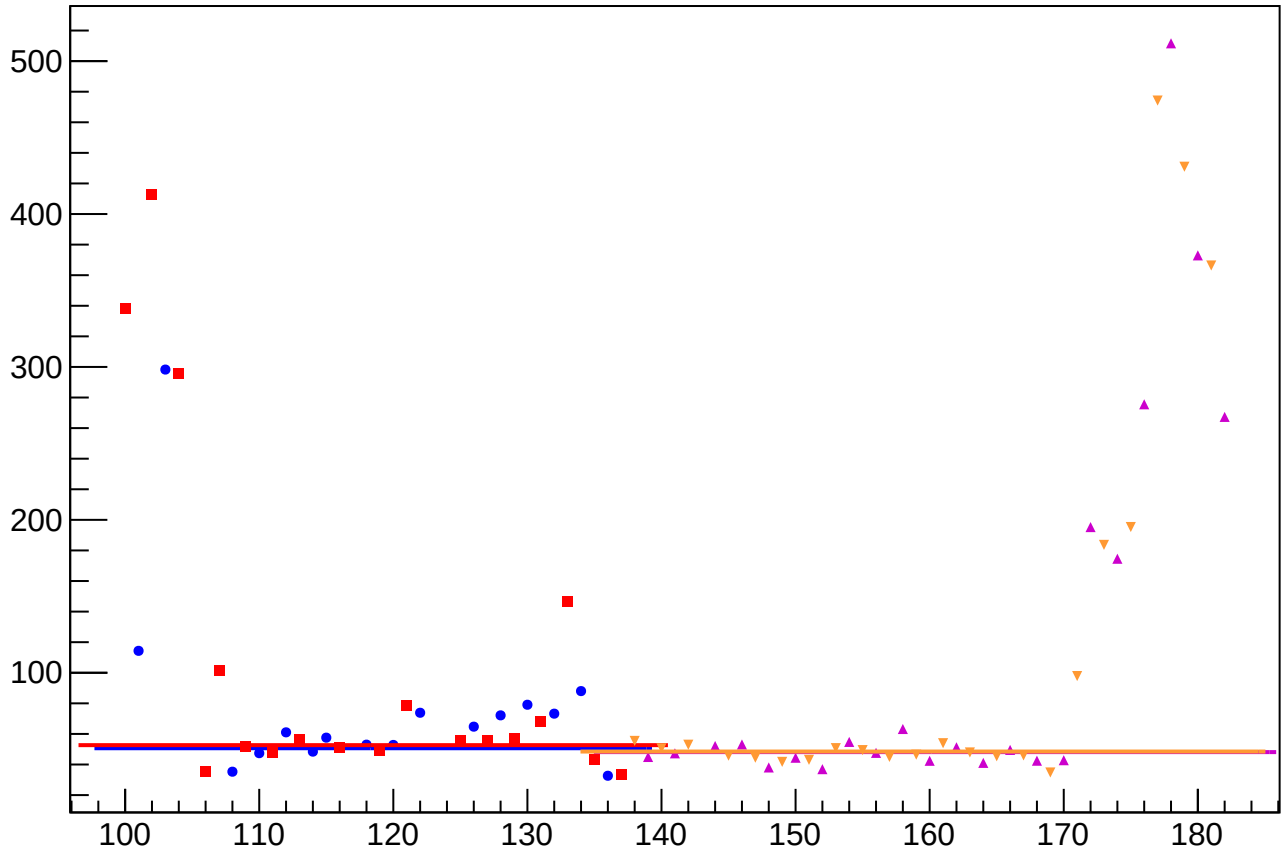
Left: -0.017+/-0.010 χ^2/NDF: 34.3/43

Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:22.2/37

Out: -0.037+/-0.012 χ^2/NDF:33.9/39

All: -0.014+/-0.008 χ^2/NDF: 63.5/77



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.489+/-0.010 χ^2/NDF:5986207.4/21

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.114+/-0.010 χ^2/NDF:6687818.6/21

Left: 48.296+/-0.007 χ^2/NDF: 12674771.6/43

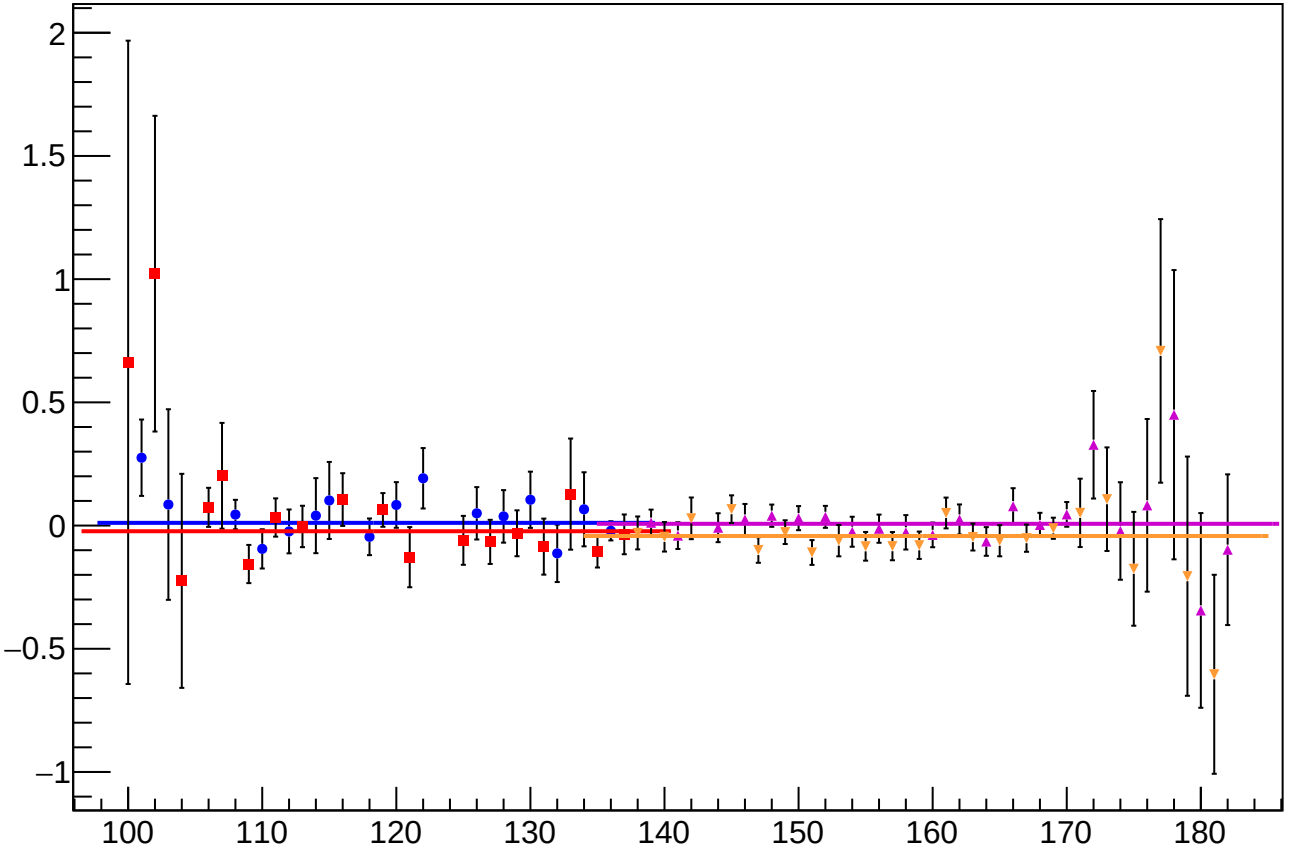
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.814+/-0.008 χ^2/NDF:8973643.9/37

Out: 49.602+/-0.008 χ^2/NDF:8246068.9/39

All: 49.194+/-0.006 χ^2/NDF: 17224231.8/77

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:17.4/21

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.007+/-0.014 χ^2/NDF:10.4/21

Left: -0.017+/-0.010 χ^2/NDF: 34.3/43

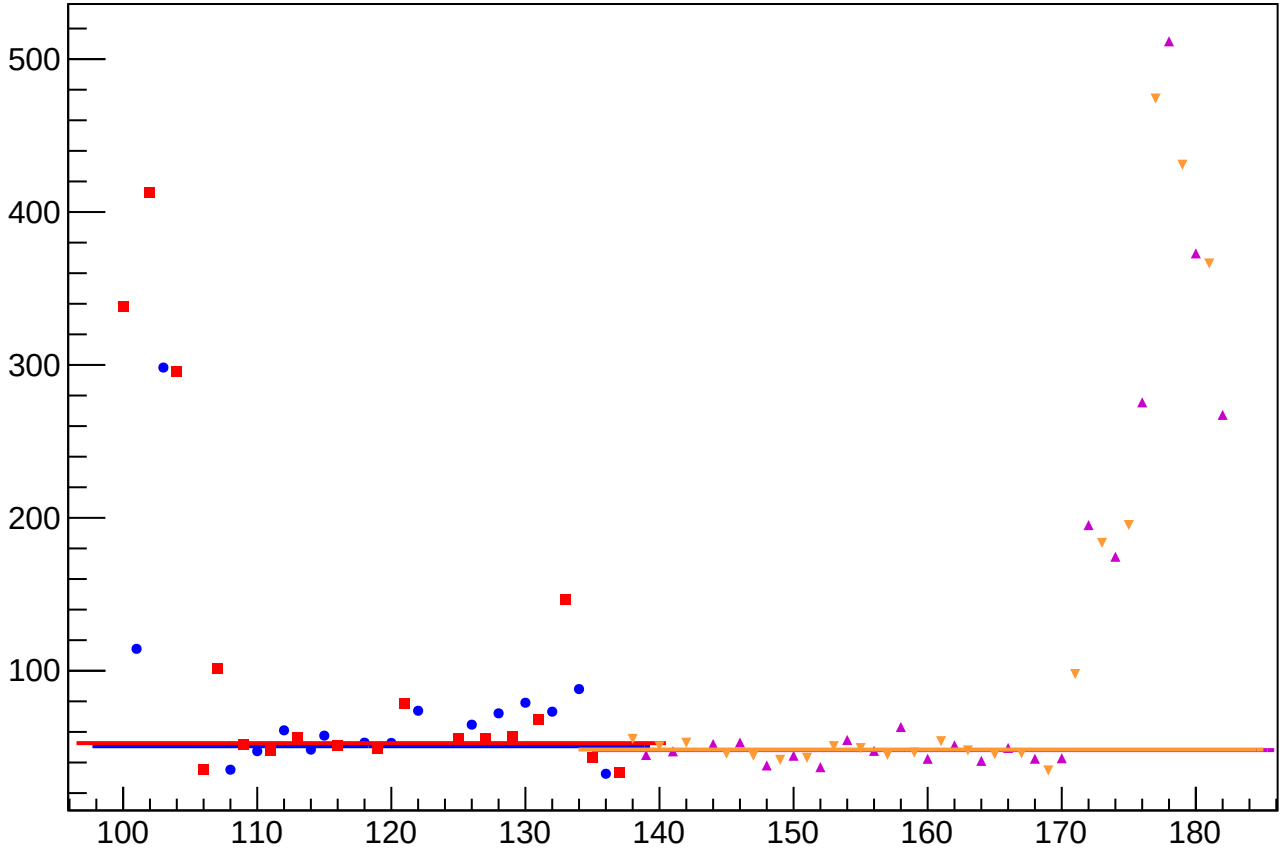
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:22.2/37

Out: -0.037+/-0.012 χ^2/NDF:33.9/39

All: -0.014+/-0.008 χ^2/NDF: 63.5/77

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: 48.489+/-0.010 χ^2/NDF:5986207.4/21

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.114+/-0.010 χ^2/NDF:6687818.6/21

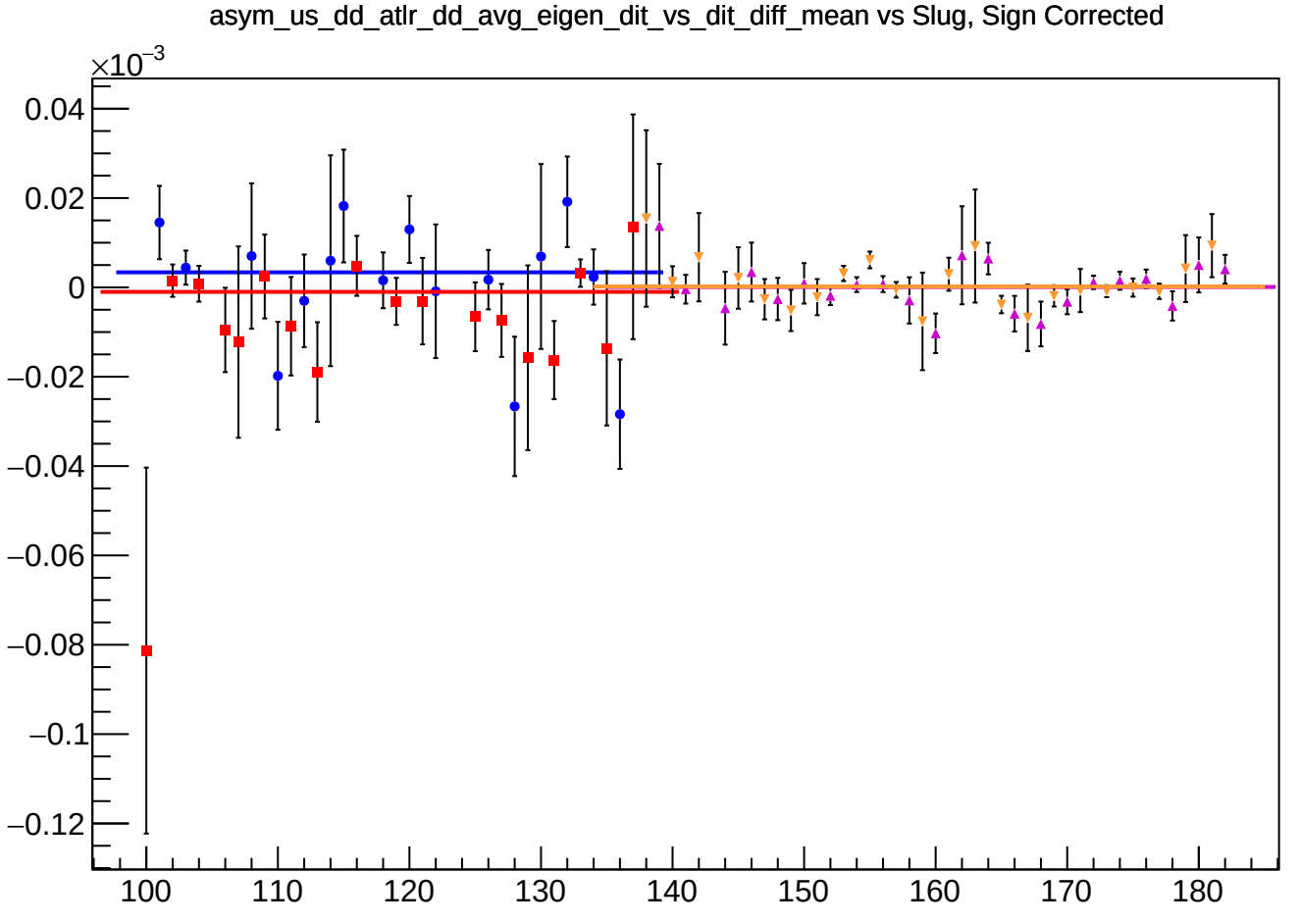
Left: 48.296+/-0.007 χ^2/NDF: 12674771.6/43

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.814+/-0.008 χ^2/NDF:8973643.9/37

Out: 49.602+/-0.008 χ^2/NDF:8246068.9/39

All: 49.194+/-0.006 χ^2/NDF: 17224231.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:24.5/21

Left: 0.000+/-0.000 χ^2/NDF: 51.5/43

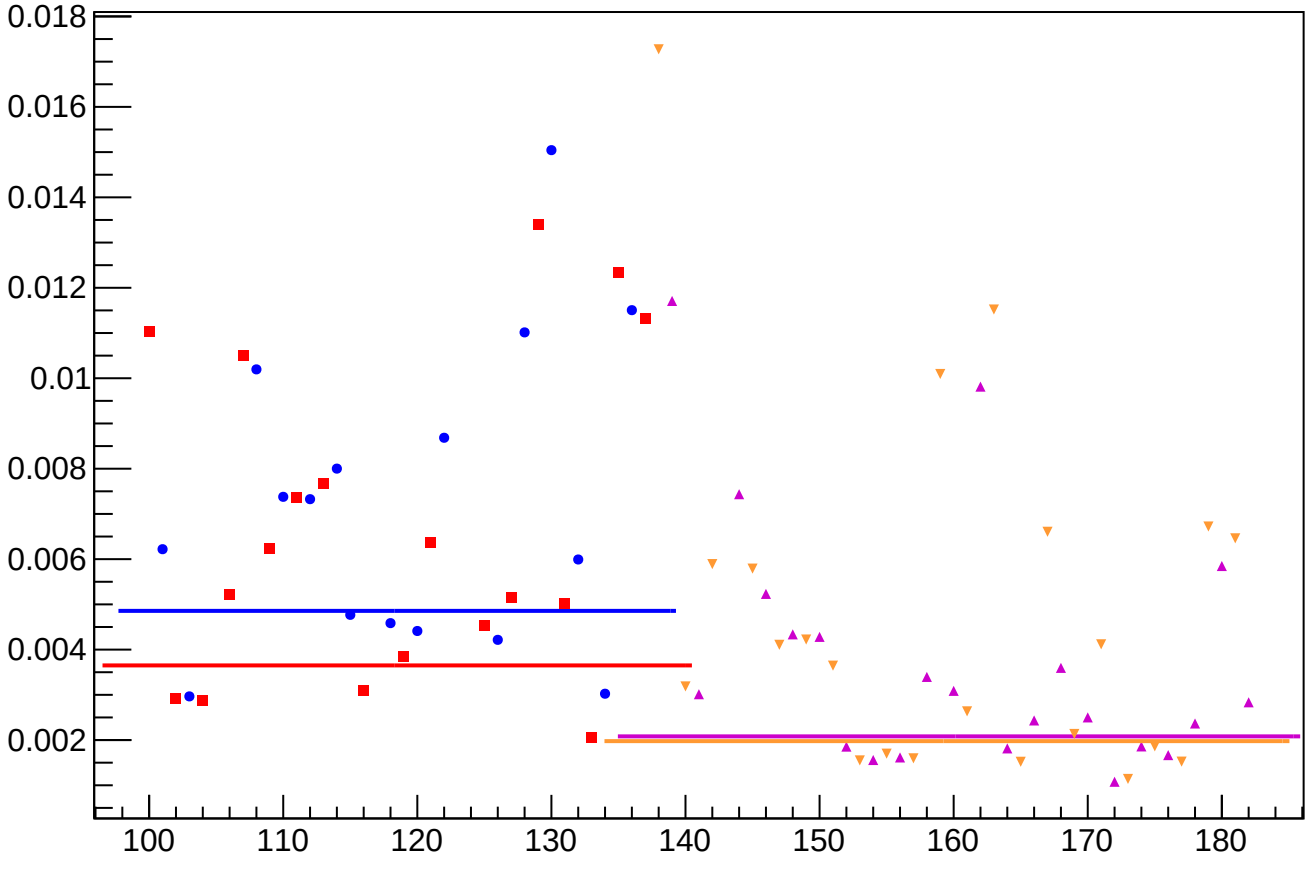
Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:48.9/37

Out: 0.000+/-0.000 χ^2/NDF:44.8/39

All: 0.000+/-0.000 χ^2/NDF: 93.9/77

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:10030575.8/21

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:7081187.9/21

Left: 0.002+/-0.000 χ^2/NDF: 17143215.7/43

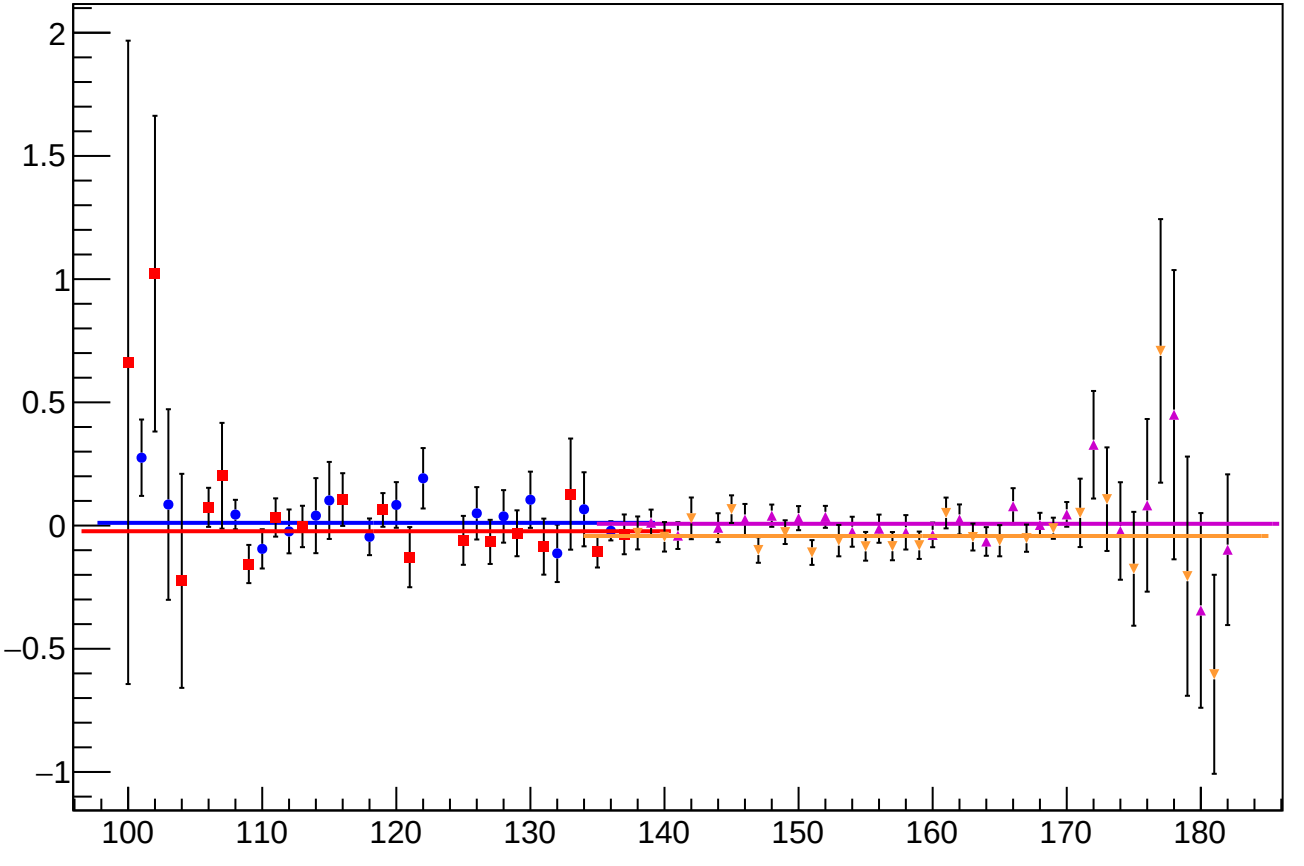
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.002+/-0.000 χ^2/NDF:13103209.9/37

Out: 0.002+/-0.000 χ^2/NDF:15150570.2/39

All: 0.002+/-0.000 χ^2/NDF: 28303650.3/77

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:17.4/21

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.007+/-0.014 χ^2/NDF:10.4/21

Left: -0.017+/-0.010 χ^2/NDF: 34.3/43

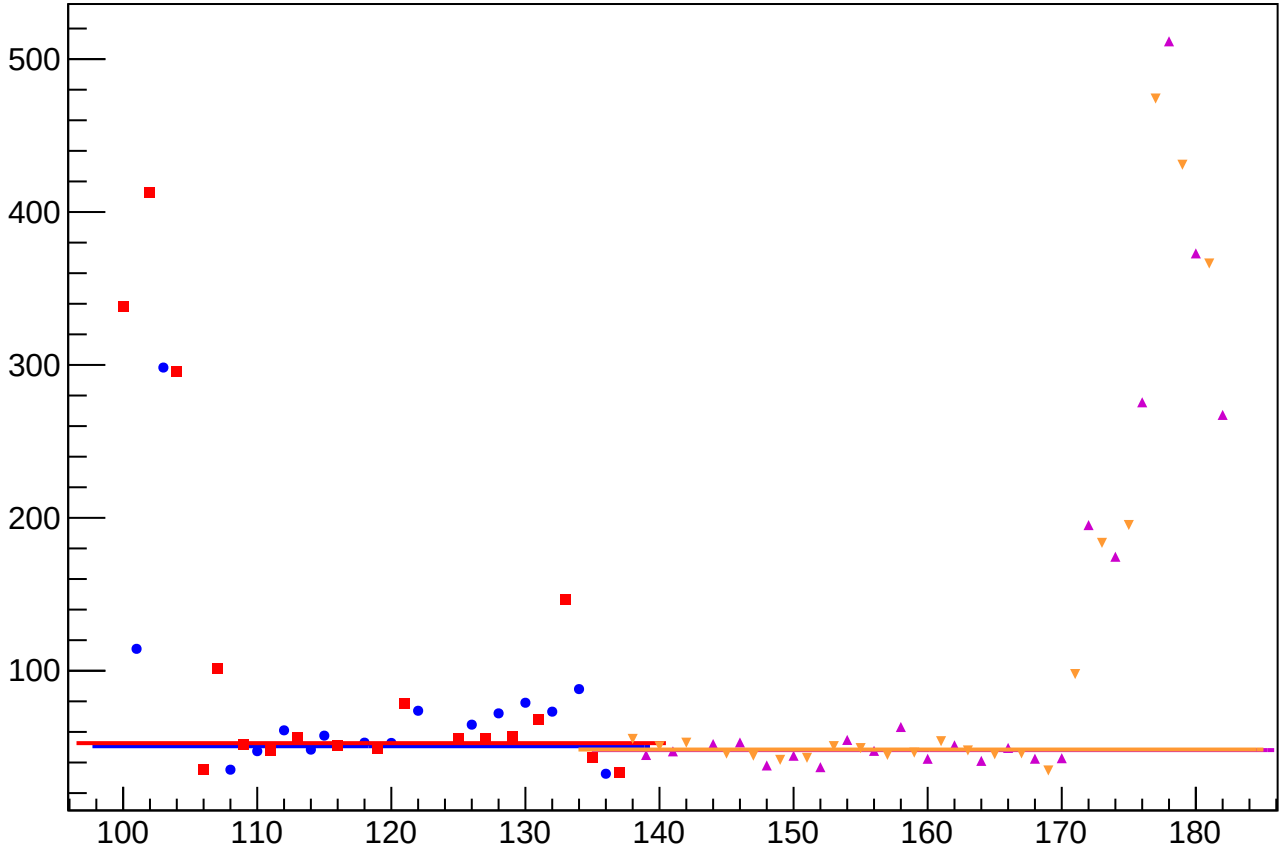
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:22.2/37

Out: -0.037+/-0.012 χ^2/NDF:33.9/39

All: -0.014+/-0.008 χ^2/NDF: 63.5/77

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: 48.488+/-0.010 χ^2/NDF:5986220.4/21

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 48.114+/-0.010 χ^2/NDF:6687744.1/21

Left: 48.296+/-0.007 χ^2/NDF: 12674707.7/43

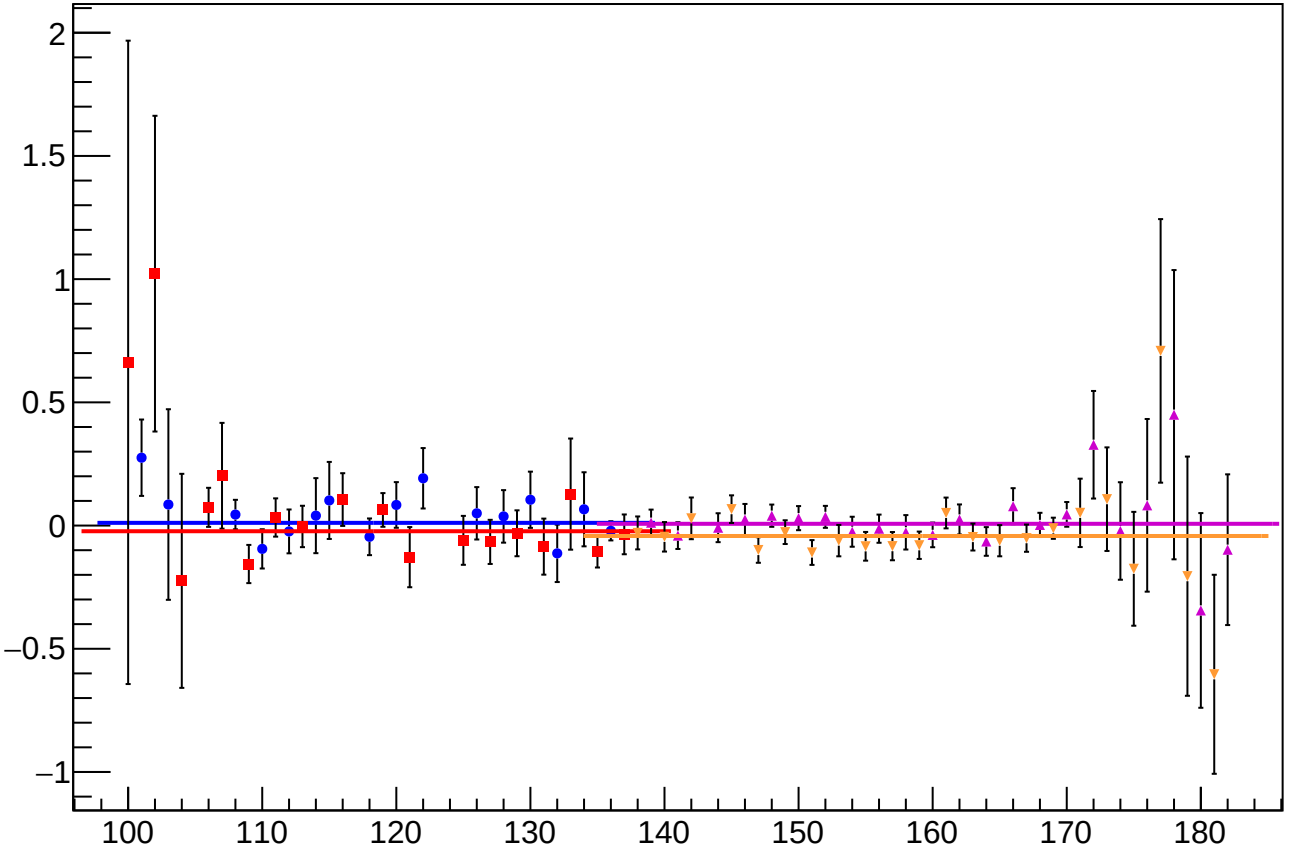
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.815+/-0.008 χ^2/NDF:8973475.0/37

Out: 49.602+/-0.008 χ^2/NDF:8245991.5/39

All: 49.194+/-0.006 χ^2/NDF: 17223981.2/77

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:17.4/21

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.007+/-0.014 χ^2/NDF:10.4/21

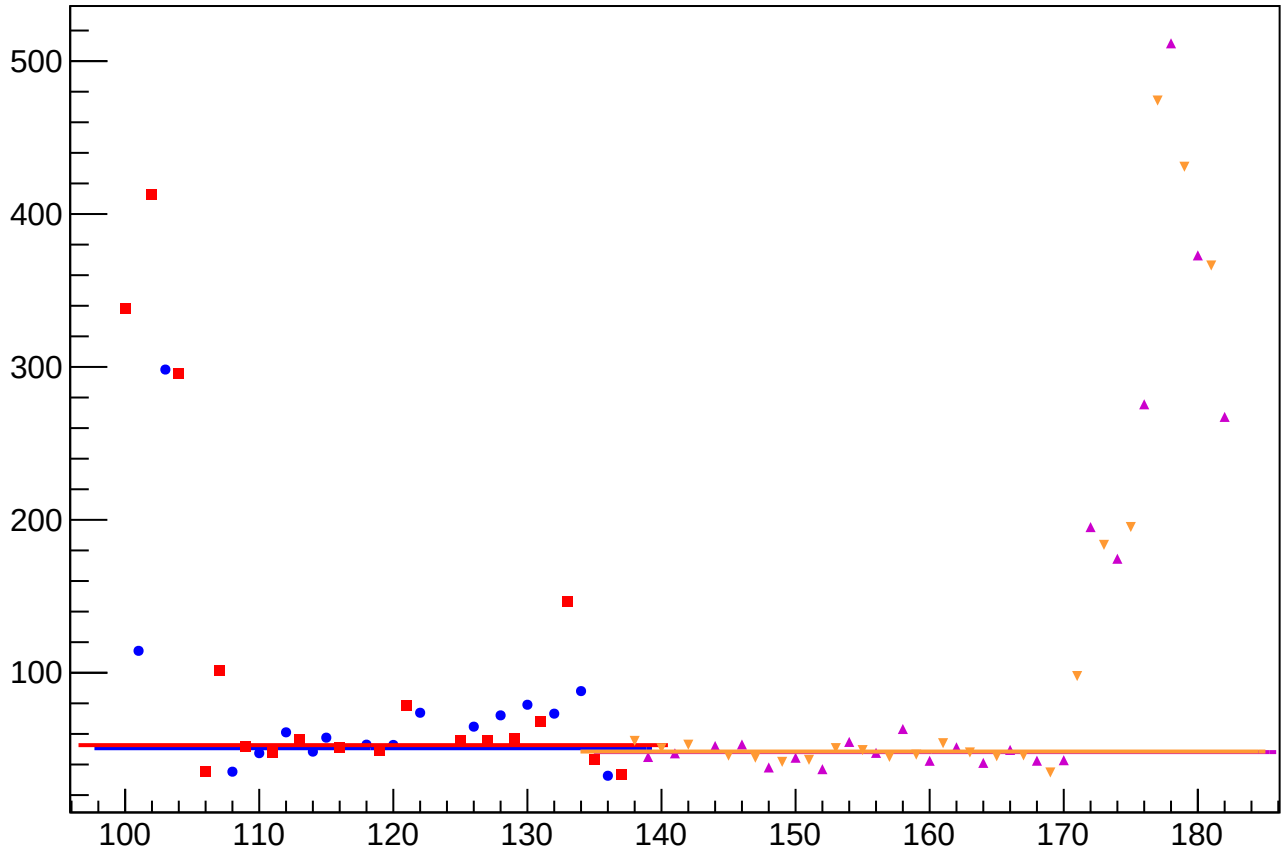
Left: -0.017+/-0.010 χ^2/NDF: 34.3/43

Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:22.2/37

Out: -0.037+/-0.012 χ^2/NDF:33.9/39

All: -0.014+/-0.008 χ^2/NDF: 63.5/77



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.488+/-0.010 χ^2/NDF:5986220.4/21

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 48.114+/-0.010 χ^2/NDF:6687744.1/21

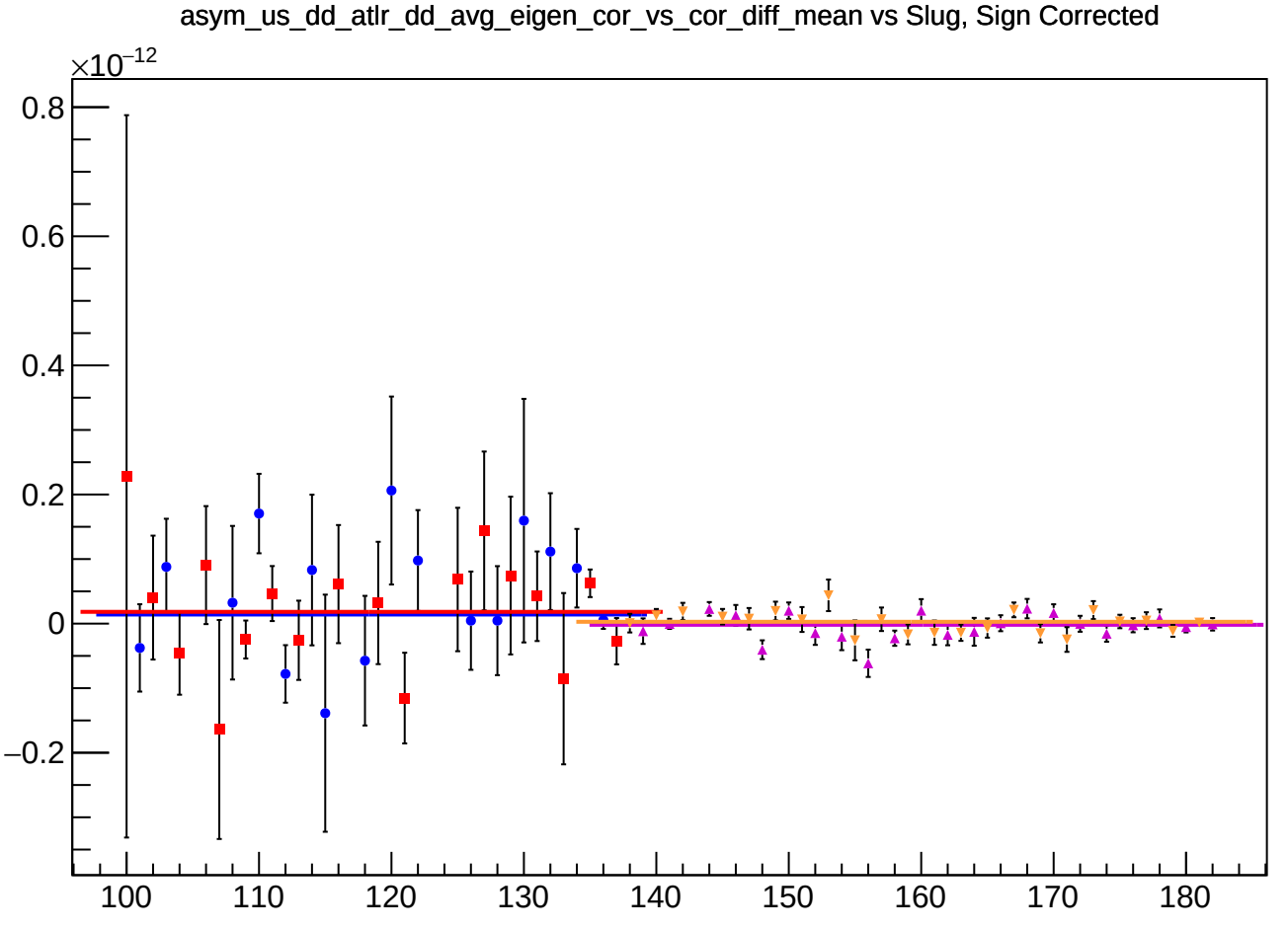
Left: 48.296+/-0.007 χ^2/NDF: 12674707.7/43

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.815+/-0.008 χ^2/NDF:8973475.0/37

Out: 49.602+/-0.008 χ^2/NDF:8245991.5/39

All: 49.194+/-0.006 χ^2/NDF: 17223981.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:38.0/21

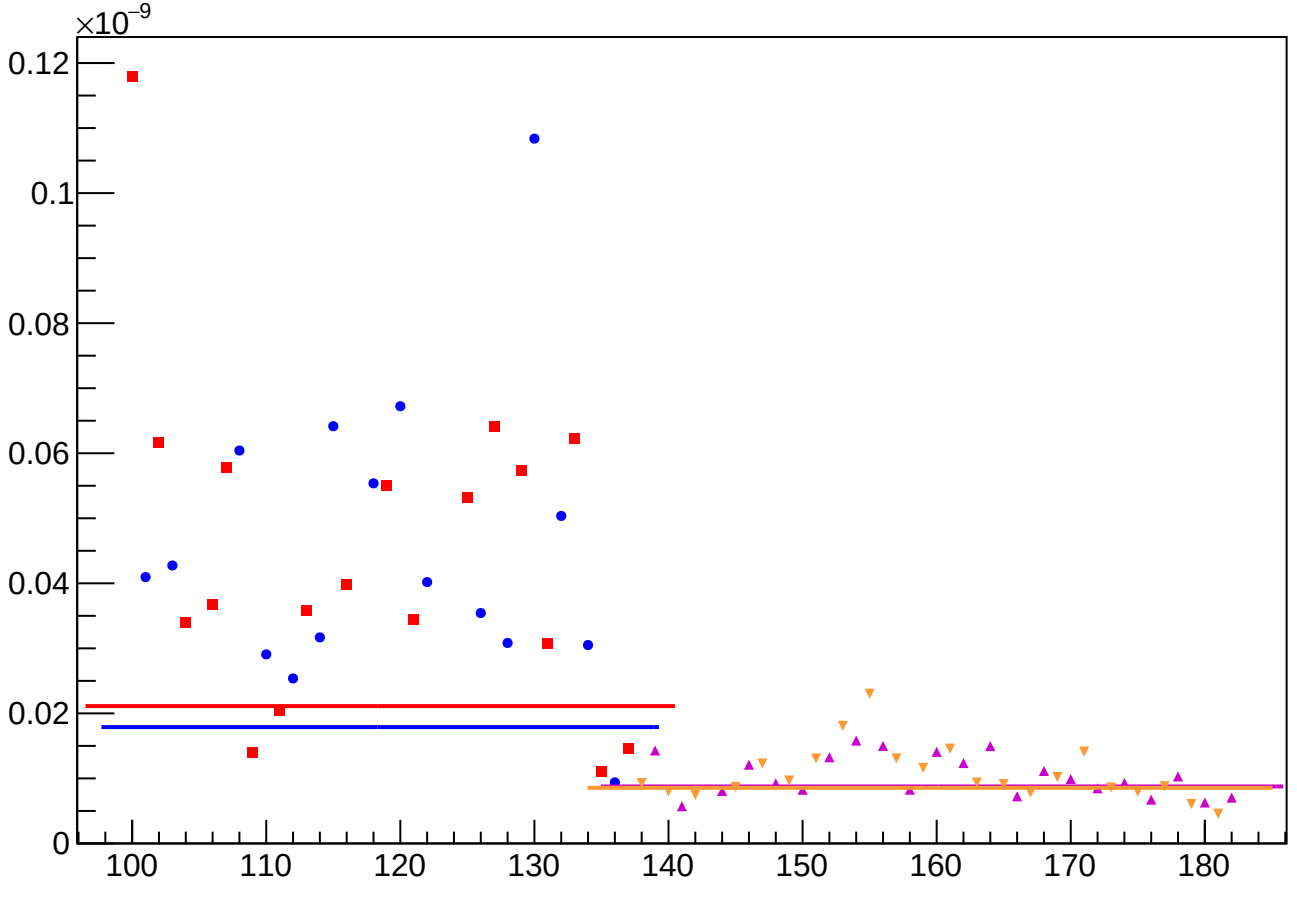
Left: 0.000+/-0.000 χ^2/NDF: 62.4/43

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:60.2/37

Out: 0.000+/-0.000 χ^2/NDF:42.4/39

All: 0.000+/-0.000 χ^2/NDF: 104.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2488706.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1954685.8/21

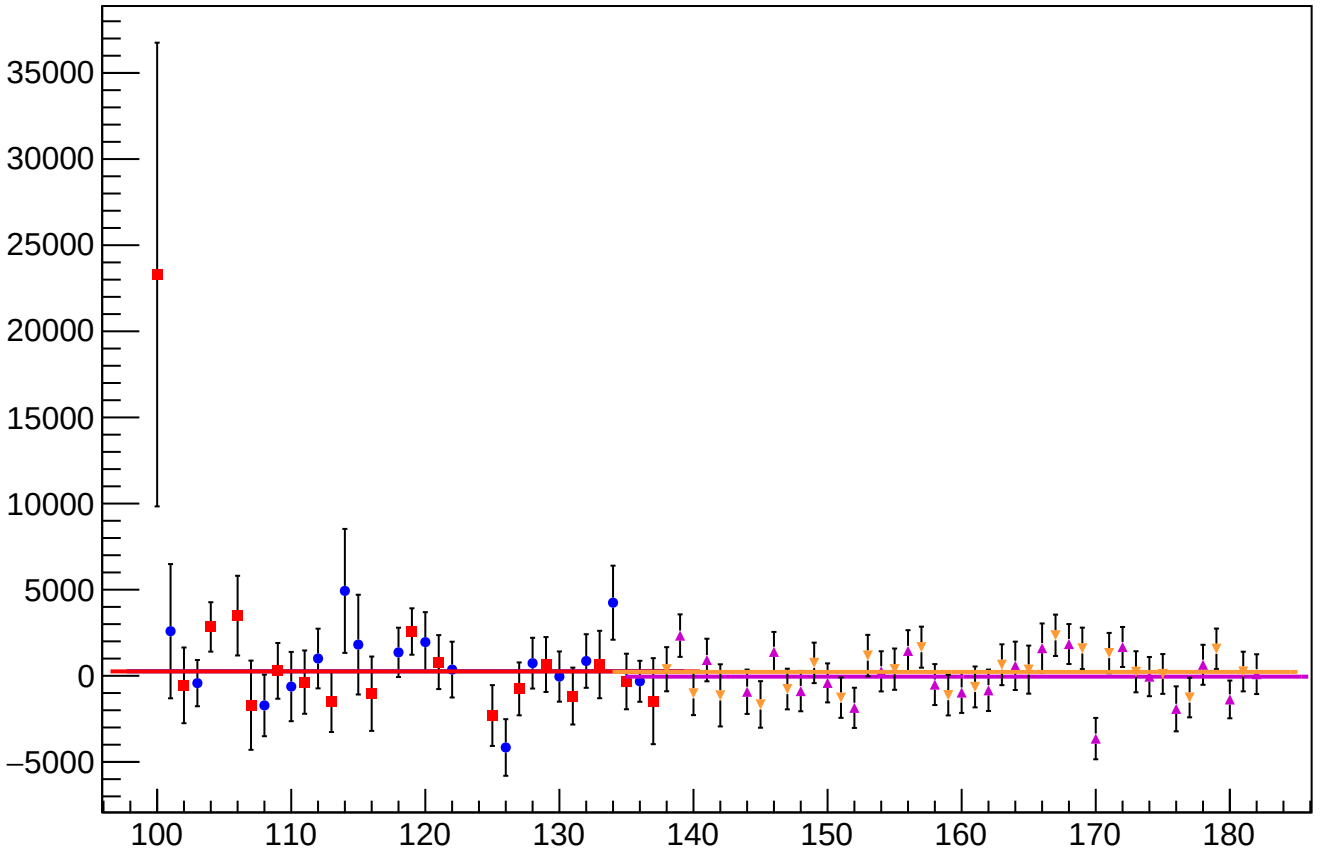
Left: 0.000+/-0.000 χ^2/NDF: 4449402.3/43

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:6581194.6/37

Out: 0.000+/-0.000 χ^2/NDF:7028480.3/39

All: 0.000+/-0.000 χ^2/NDF: 13612228.3/77



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 226.297+/-259.853 χ^2/NDF:18.4/21

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: -49.766+/-255.672 χ^2/NDF:31.4/21

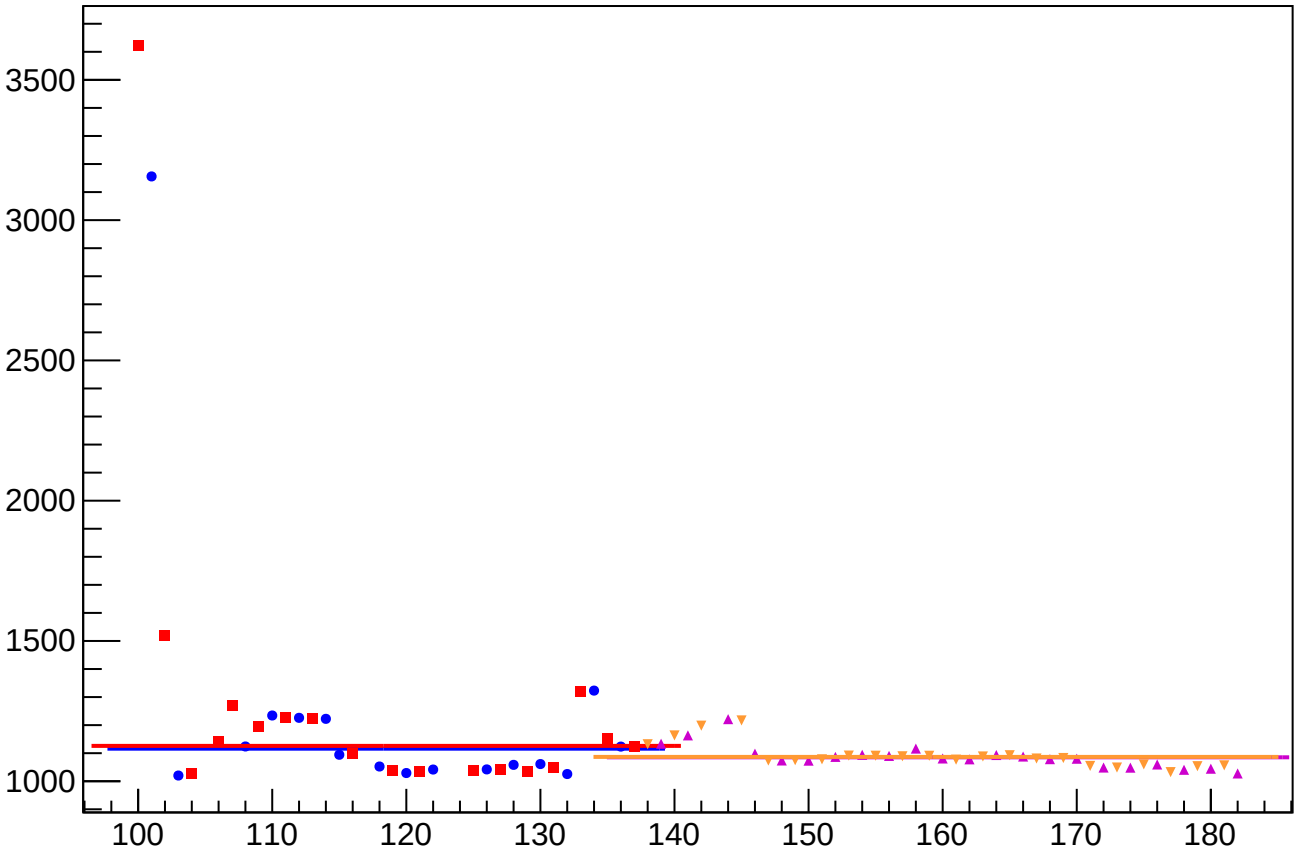
Left: 86.027+/-182.247 χ^2/NDF: 50.4/43

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 32.858+/-219.037 χ^2/NDF:48.8/37

Out: 234.340+/-221.808 χ^2/NDF:35.8/39

All: 132.332+/-155.853 χ^2/NDF: 85.0/77



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1086.726+/-0.184 χ^2/NDF:48828.2/21

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1085.283+/-0.181 χ^2/NDF:51344.3/21

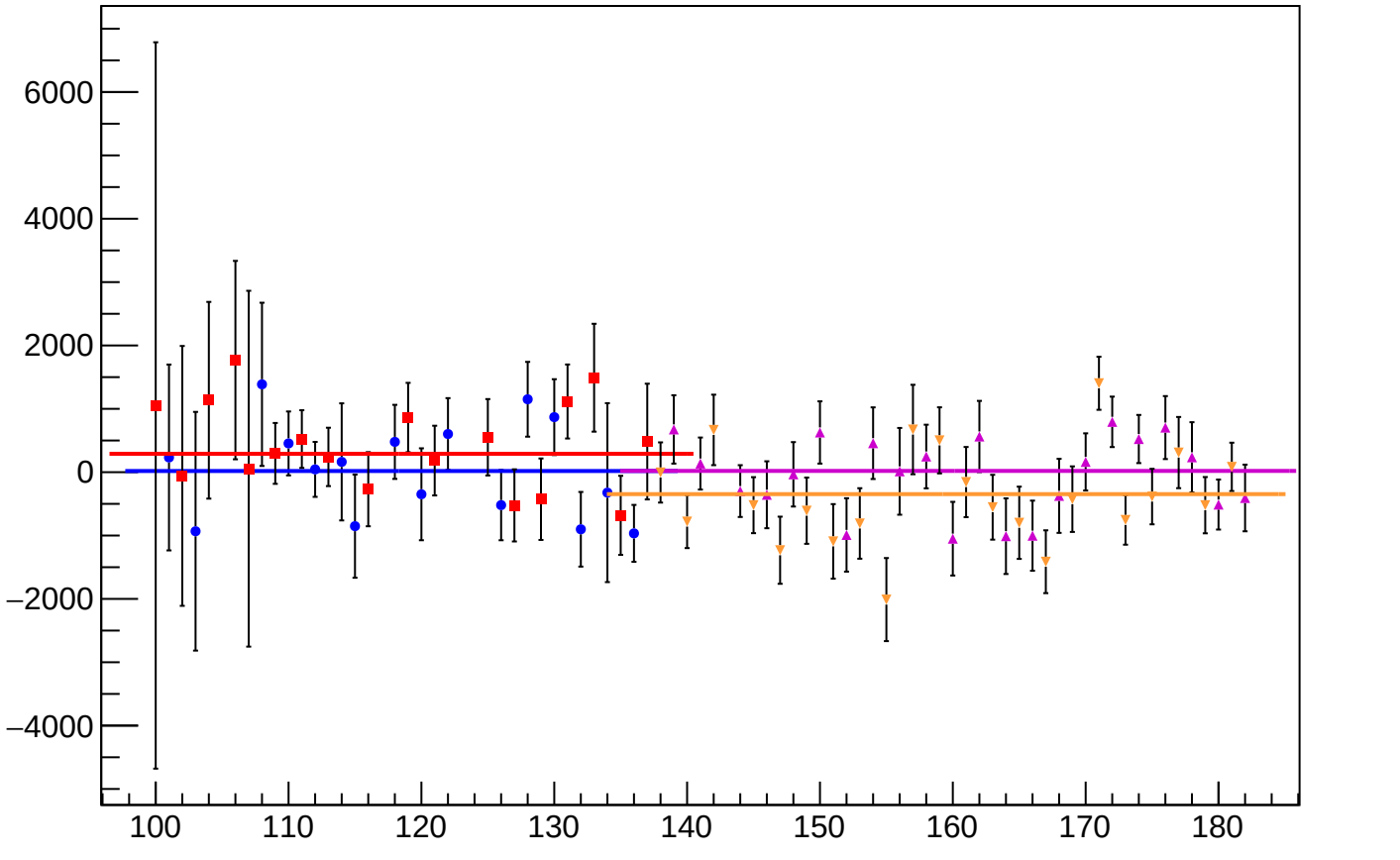
Left: 1085.993+/-0.129 χ^2/NDF: 100203.8/43

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1093.479+/-0.155 χ^2/NDF:682460.2/37

Out: 1097.388+/-0.157 χ^2/NDF:283342.5/39

All: 1095.409+/-0.110 χ^2/NDF: 966117.2/77



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -346.281+/-105.187 χ^2/NDF:48.5/21

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 19.940+/-105.537 χ^2/NDF:29.4/21

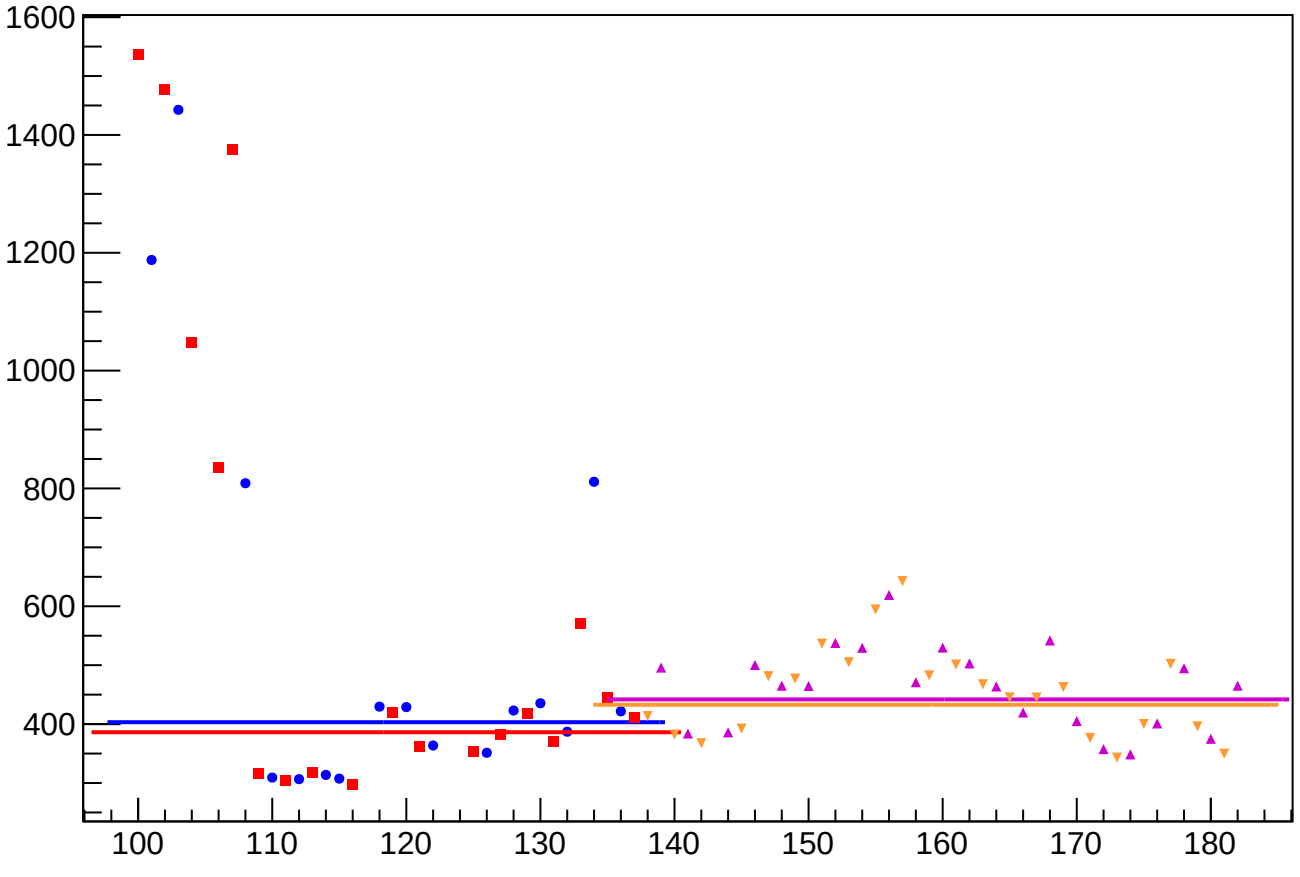
Left: -163.778+/-74.502 χ^2/NDF: 83.9/43

Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 19.499+/-88.303 χ^2/NDF:48.6/37

Out: -147.760+/-87.246 χ^2/NDF:73.4/39

All: -65.137+/-62.063 χ^2/NDF: 123.8/77



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 432.760+/-0.074 χ^2/NDF:860368.0/21

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 441.884+/-0.075 χ^2/NDF:824724.1/21

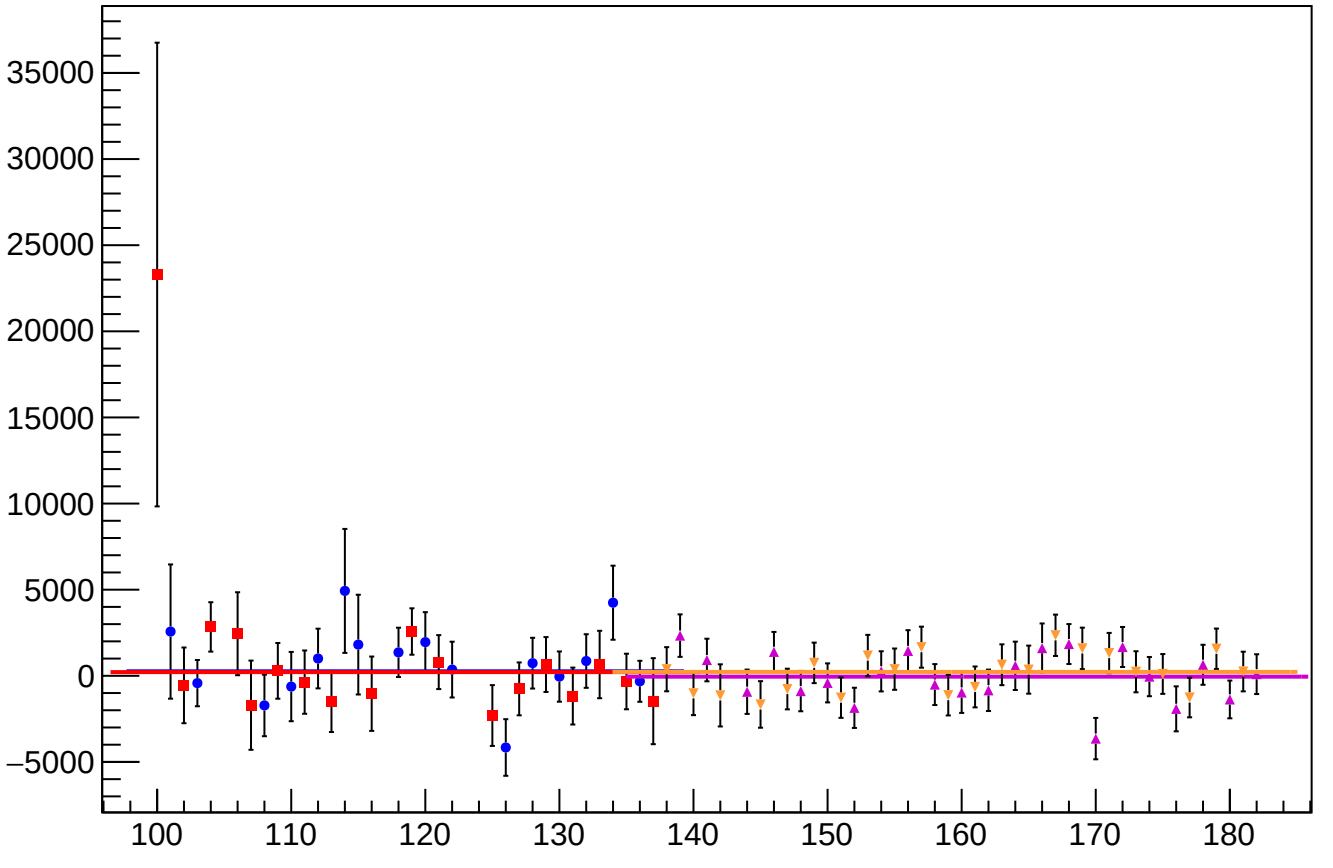
Left: 437.307+/-0.053 χ^2/NDF: 1692591.1/43

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 430.280+/-0.062 χ^2/NDF:2713774.5/37

Out: 418.215+/-0.062 χ^2/NDF:2742035.9/39

All: 424.175+/-0.044 χ^2/NDF: 5474702.4/77



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 226.291+/-259.853 χ^2/NDF:18.4/21

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: -49.780+/-255.672 χ^2/NDF:31.4/21

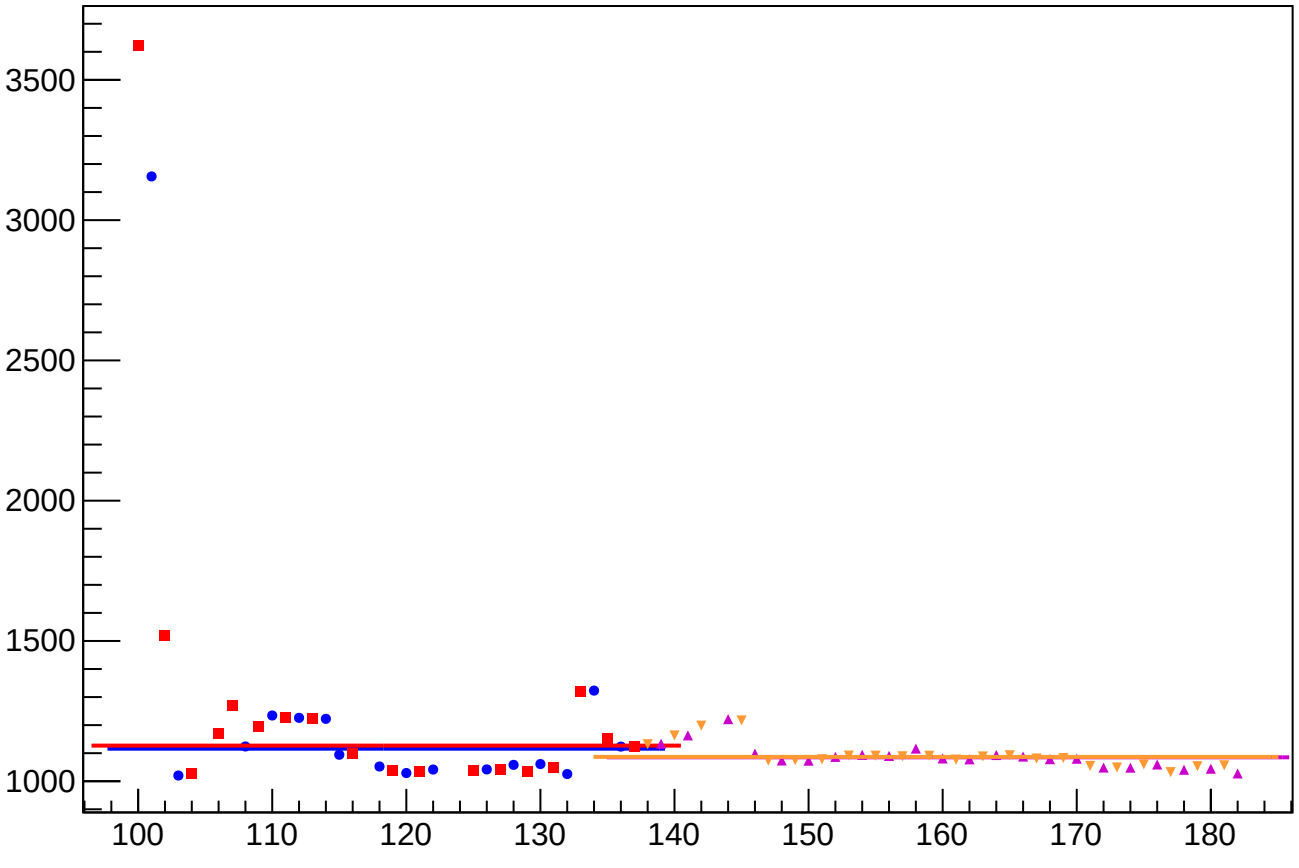
Left: 86.017+/-182.247 χ^2/NDF: 50.4/43

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 32.747+/-219.037 χ^2/NDF:48.7/37

Out: 223.097+/-221.887 χ^2/NDF:34.6/39

All: 126.692+/-155.880 χ^2/NDF: 83.8/77



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1086.726+/-0.184 χ^2/NDF:48828.2/21

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1085.283+/-0.181 χ^2/NDF:51344.3/21

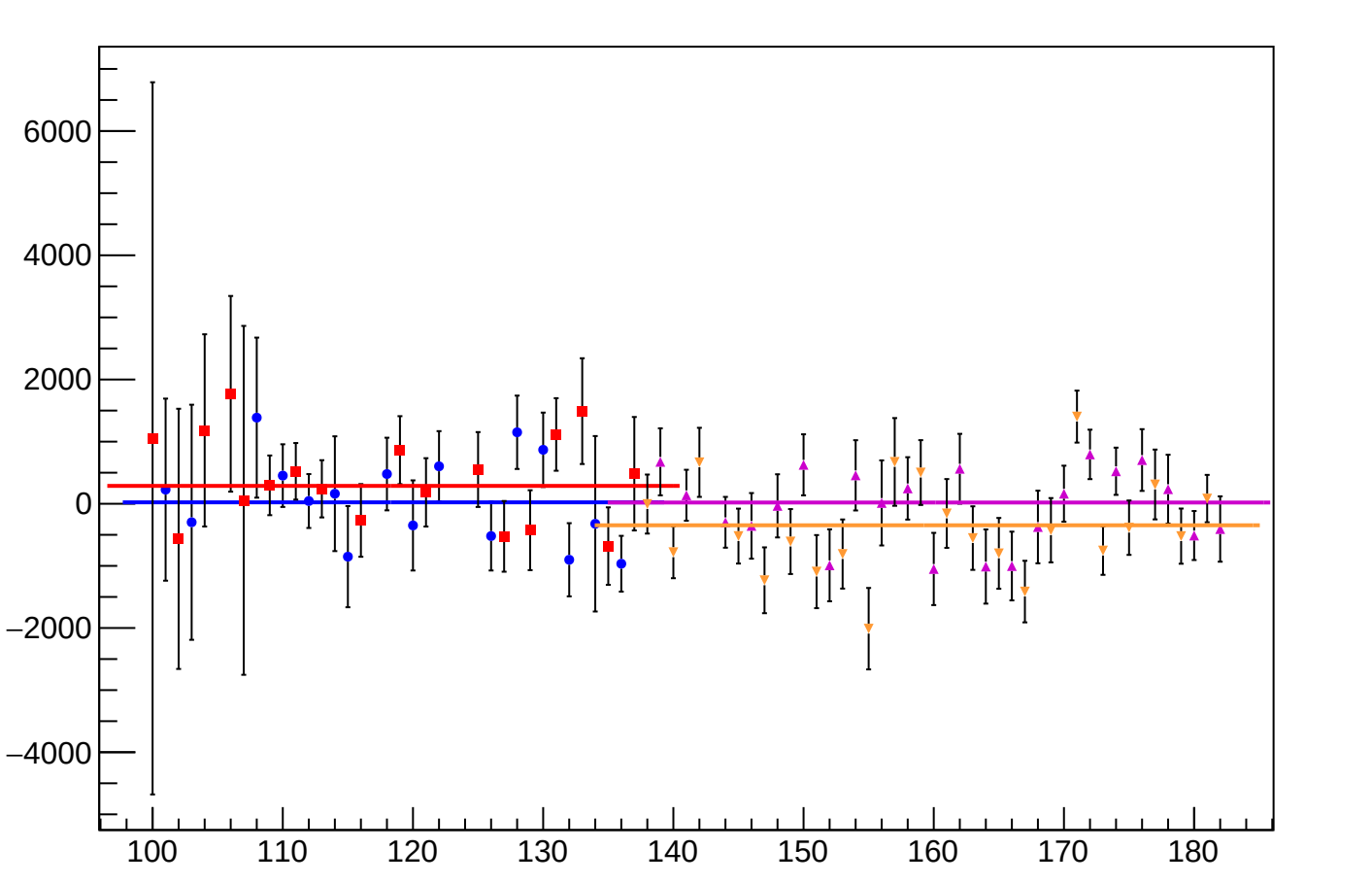
Left: 1085.993+/-0.129 χ^2/NDF: 100203.8/43

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1093.479+/-0.155 χ^2/NDF:682461.1/37

Out: 1097.624+/-0.157 χ^2/NDF:284555.8/39

All: 1095.525+/-0.110 χ^2/NDF: 967370.3/77



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -346.355+/-105.186 χ^2/NDF:48.5/21

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 19.919+/-105.537 χ^2/NDF:29.4/21

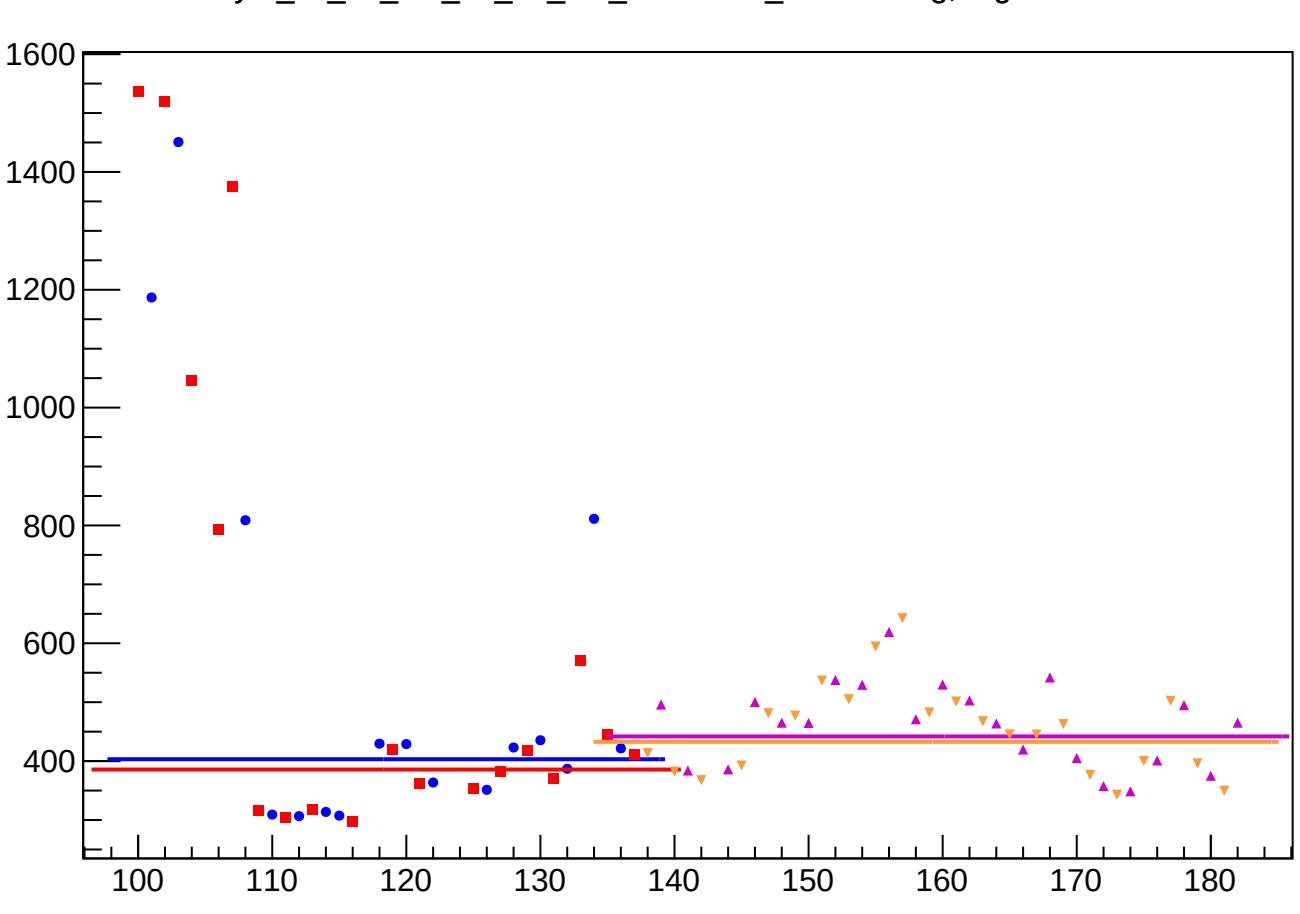
Left: -163.827+/-74.502 χ^2/NDF: 83.9/43

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 20.820+/-88.303 χ^2/NDF:48.3/37

Out: -148.580+/-87.250 χ^2/NDF:73.5/39

All: -64.896+/-62.064 χ^2/NDF: 123.7/77



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 432.757+/-0.074 χ^2/NDF:860453.7/21

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 441.885+/-0.075 χ^2/NDF:824598.1/21

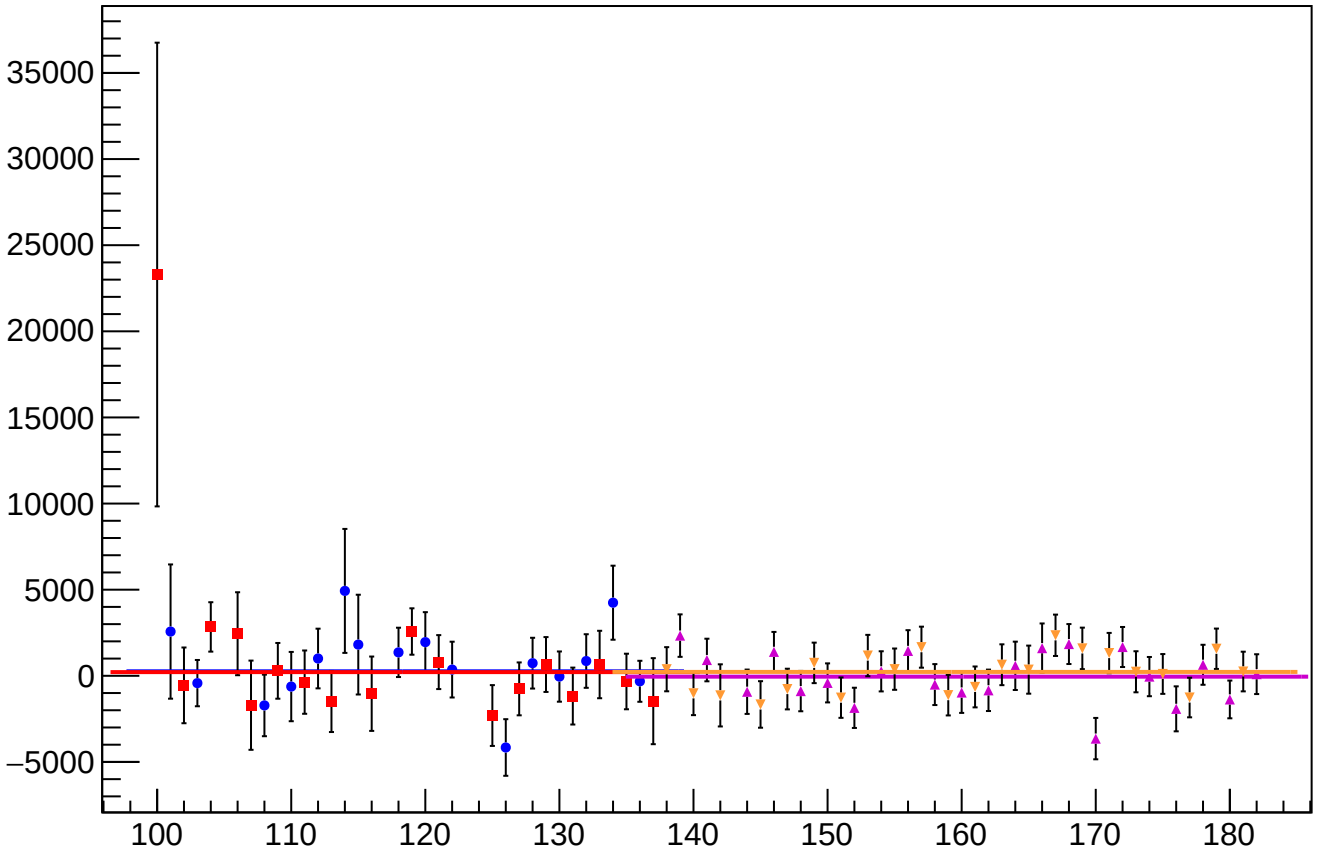
Left: 437.306+/-0.053 χ^2/NDF: 1692557.8/43

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 430.277+/-0.062 χ^2/NDF:2717381.5/37

Out: 418.071+/-0.062 χ^2/NDF:2732574.2/39

All: 424.101+/-0.044 χ^2/NDF: 5469291.8/77



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 226.291+/-259.853 χ^2/NDF:18.4/21

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: -49.780+/-255.672 χ^2/NDF:31.4/21

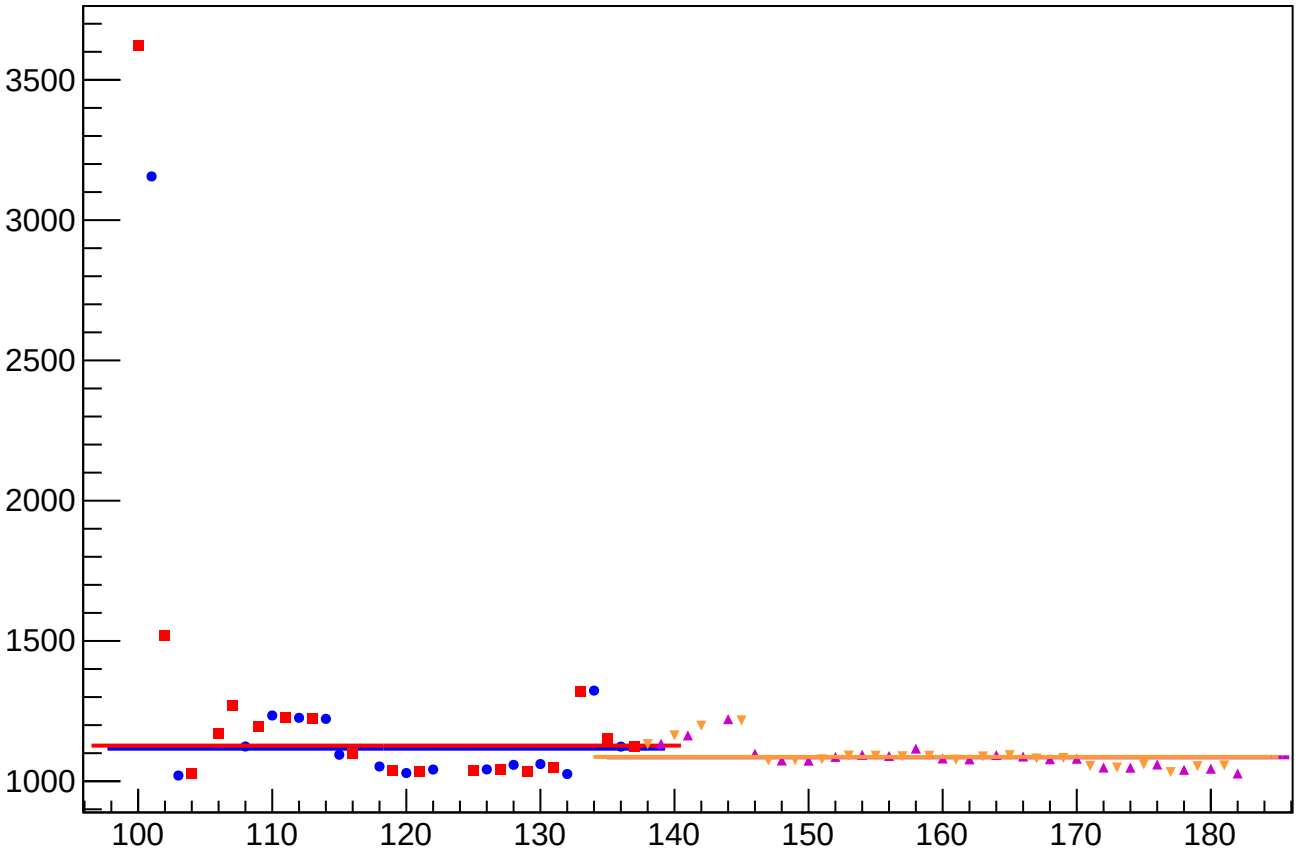
Left: 86.017+/-182.247 χ^2/NDF: 50.4/43

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 32.747+/-219.037 χ^2/NDF:48.7/37

Out: 223.097+/-221.887 χ^2/NDF:34.6/39

All: 126.692+/-155.880 χ^2/NDF: 83.8/77



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1086.726+/-0.184 χ^2/NDF:48828.2/21

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1085.283+/-0.181 χ^2/NDF:51344.3/21

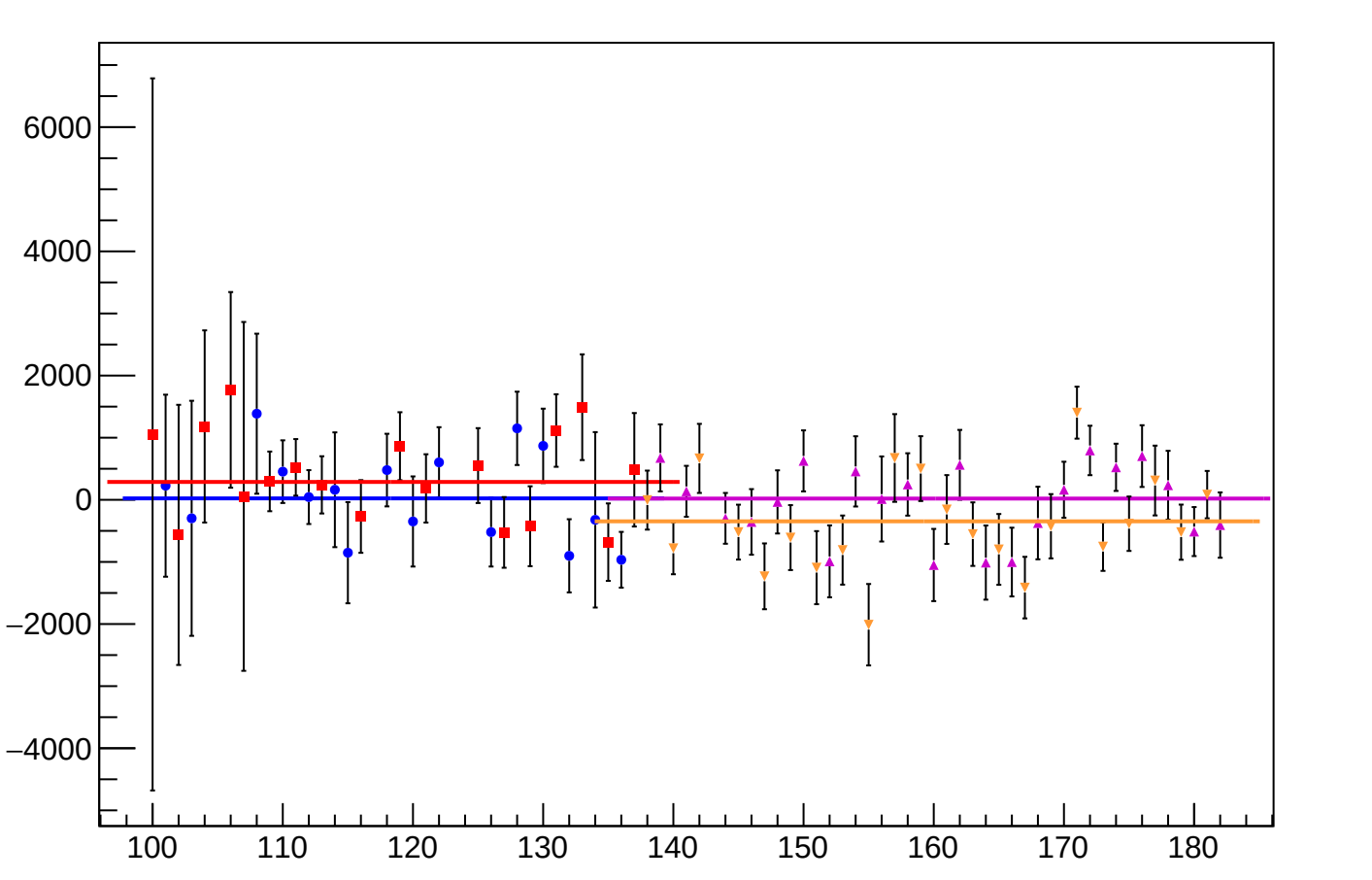
Left: 1085.993+/-0.129 χ^2/NDF: 100203.8/43

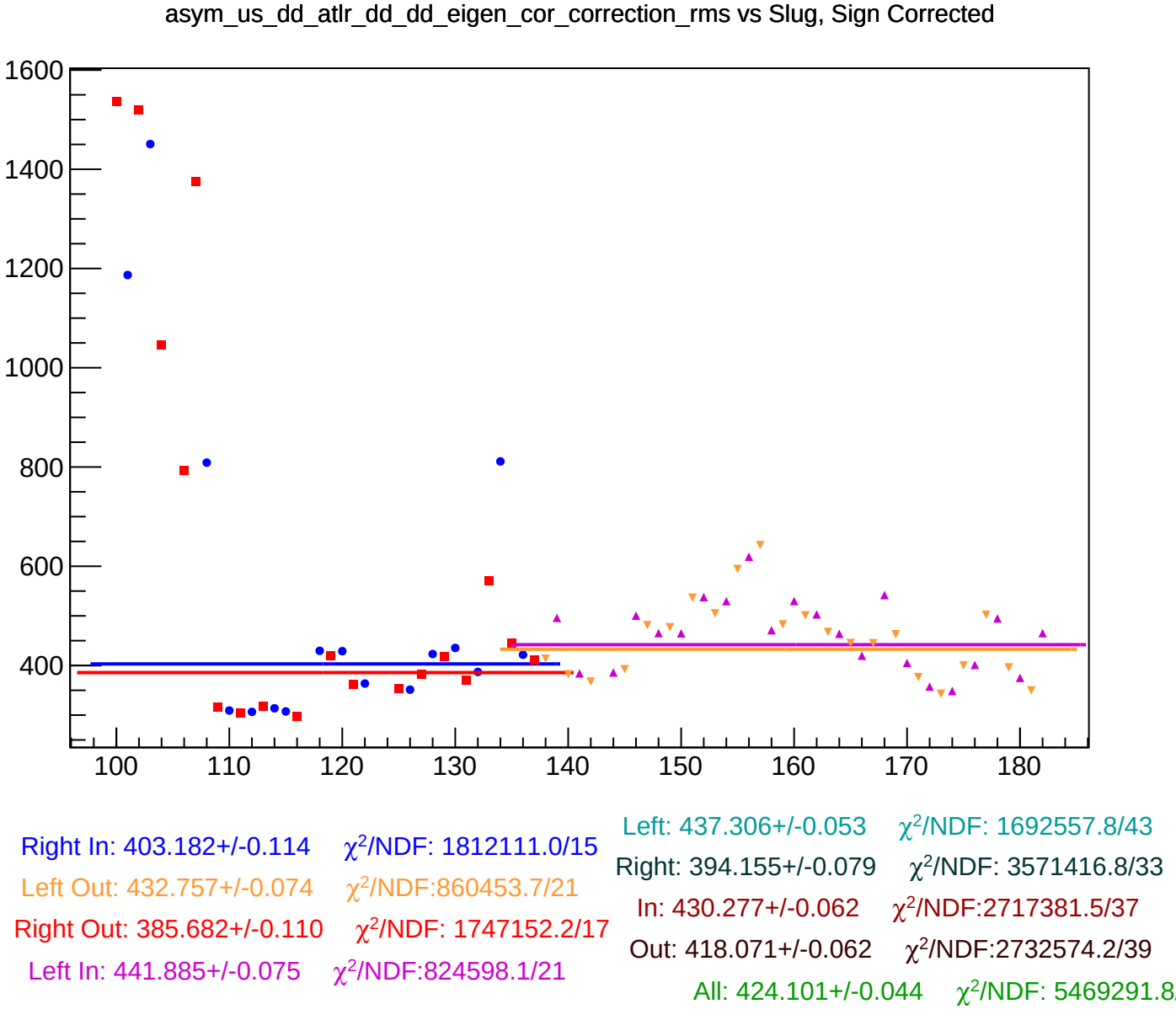
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

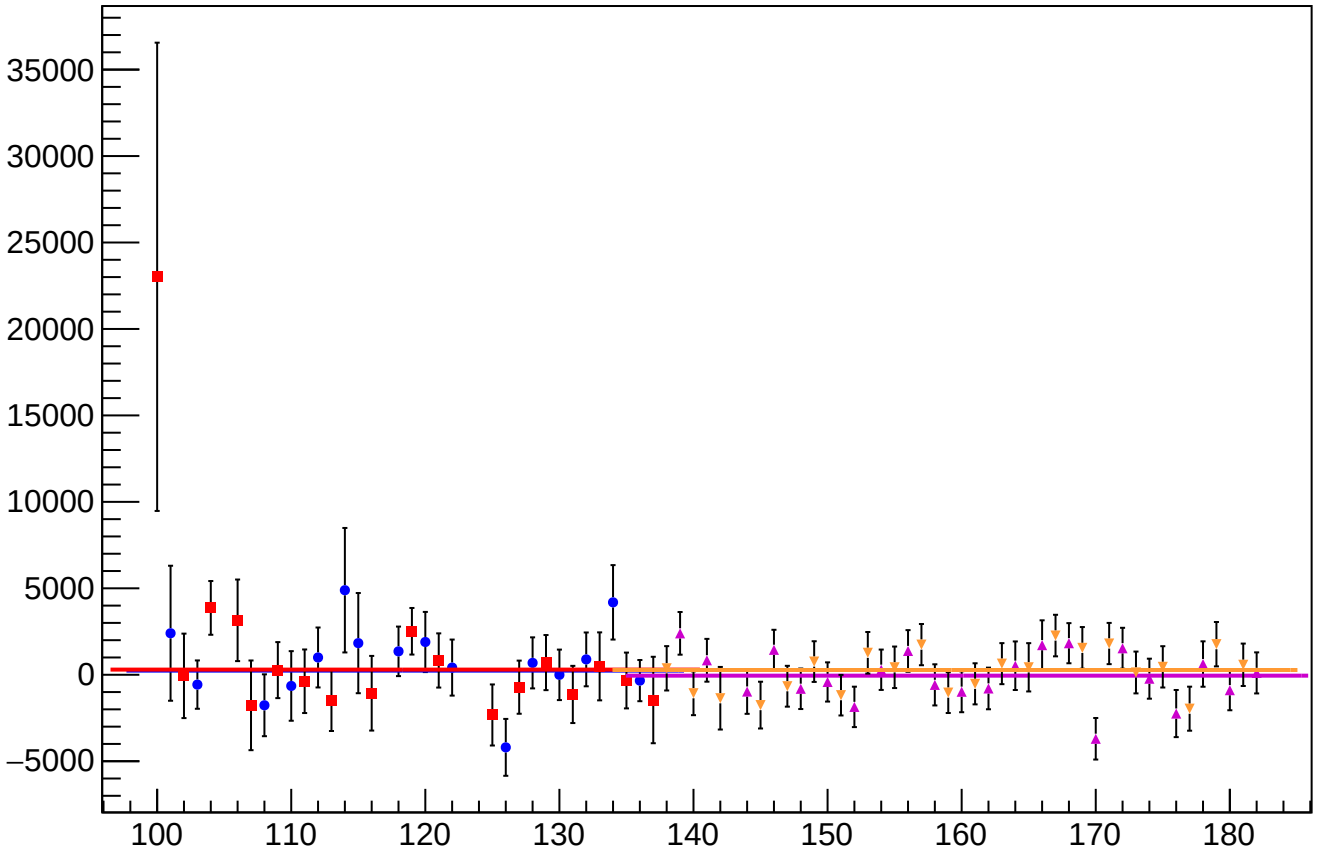
In: 1093.479+/-0.155 χ^2/NDF:682461.1/37

Out: 1097.624+/-0.157 χ^2/NDF:284555.8/39

All: 1095.525+/-0.110 χ^2/NDF: 967370.3/77


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
170
180
Right In: 22.923+/-161.238 χ²/NDF: 19.0/15
Left Out: -346.355+/-105.186 χ²/NDF:48.5/21
Right Out: 287.614+/-156.212 χ²/NDF: 13.7/17
Left In: 19.919+/-105.537 χ²/NDF:29.4/21
Left: -163.827+/-74.502 χ²/NDF: 83.9/43
Right: 159.458+/-112.193 χ²/NDF: 34.0/33
In: 20.820+/-88.303 χ²/NDF:48.3/37
Out: -148.580+/-87.250 χ²/NDF:73.5/39
All: -64.896+/-62.064 χ²/NDF: 123.7/77


asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
100
110
120
130
140
150
160
170
180
Right In: 403.182+/-0.114 χ²/NDF: 1812111.0/15
Left Out: 432.757+/-0.074 χ²/NDF:860453.7/21
Right Out: 385.682+/-0.110 χ²/NDF: 1747152.2/17
Left In: 441.885+/-0.075 χ²/NDF:824598.1/21
Left: 437.306+/-0.053 χ²/NDF: 1692557.8/43
Right: 394.155+/-0.079 χ²/NDF: 3571416.8/33
In: 430.277+/-0.062 χ²/NDF:2717381.5/37
Out: 418.071+/-0.062 χ²/NDF:2732574.2/39
All: 424.101+/-0.044 χ²/NDF: 5469291.8/77



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 275.297+/-264.046 χ^2/NDF:20.6/21

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: -51.587+/-259.205 χ^2/NDF:31.0/21

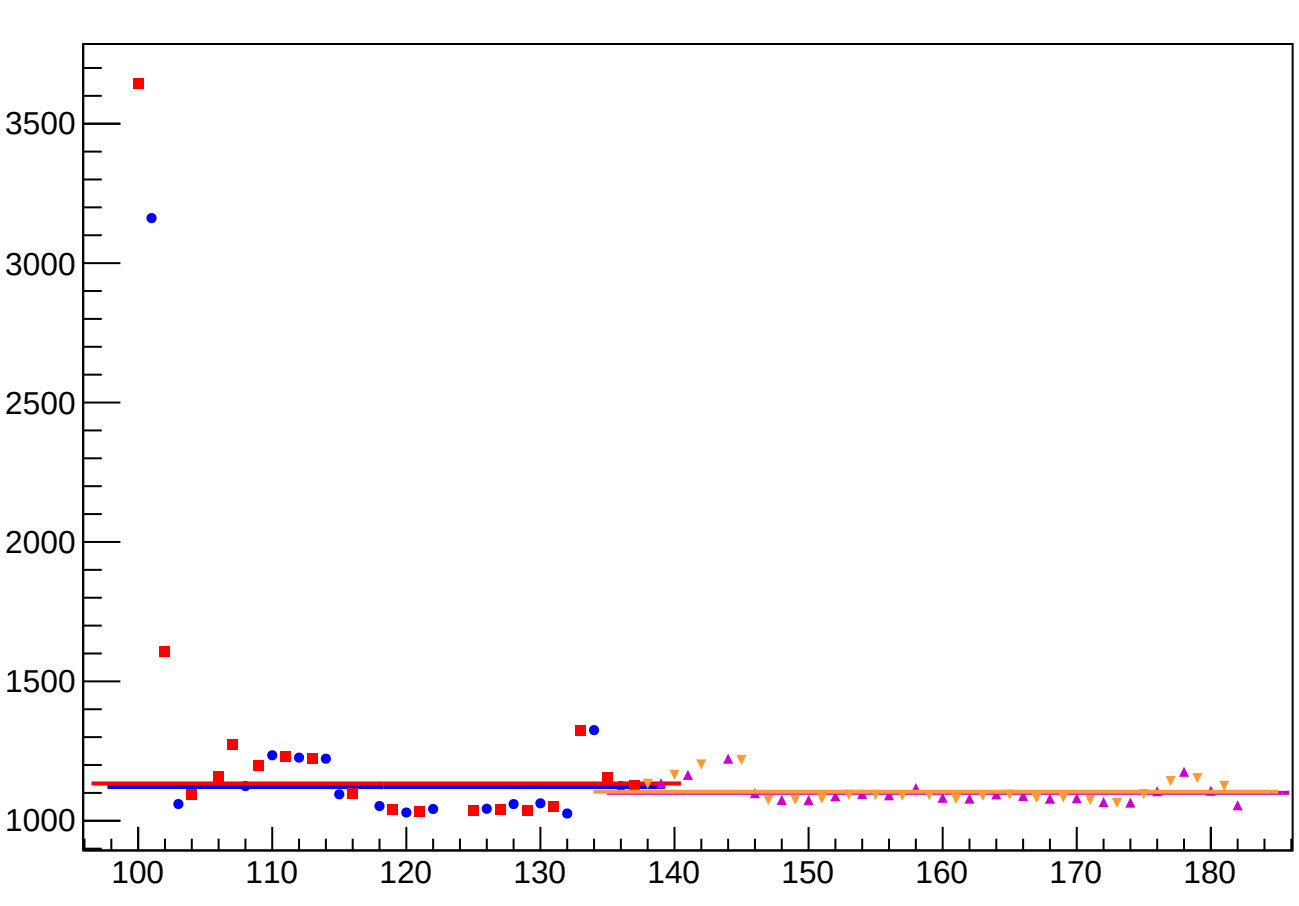
Left: 108.831+/-184.973 χ^2/NDF: 52.3/43

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 27.261+/-221.518 χ^2/NDF:48.2/37

Out: 281.749+/-225.119 χ^2/NDF:39.3/39

All: 152.453+/-157.895 χ^2/NDF: 88.2/77



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1104.301+/-0.187 χ^2/NDF:41308.1/21

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1100.324+/-0.183 χ^2/NDF:43187.0/21

Left: 1102.276+/-0.131 χ^2/NDF: 84726.1/43

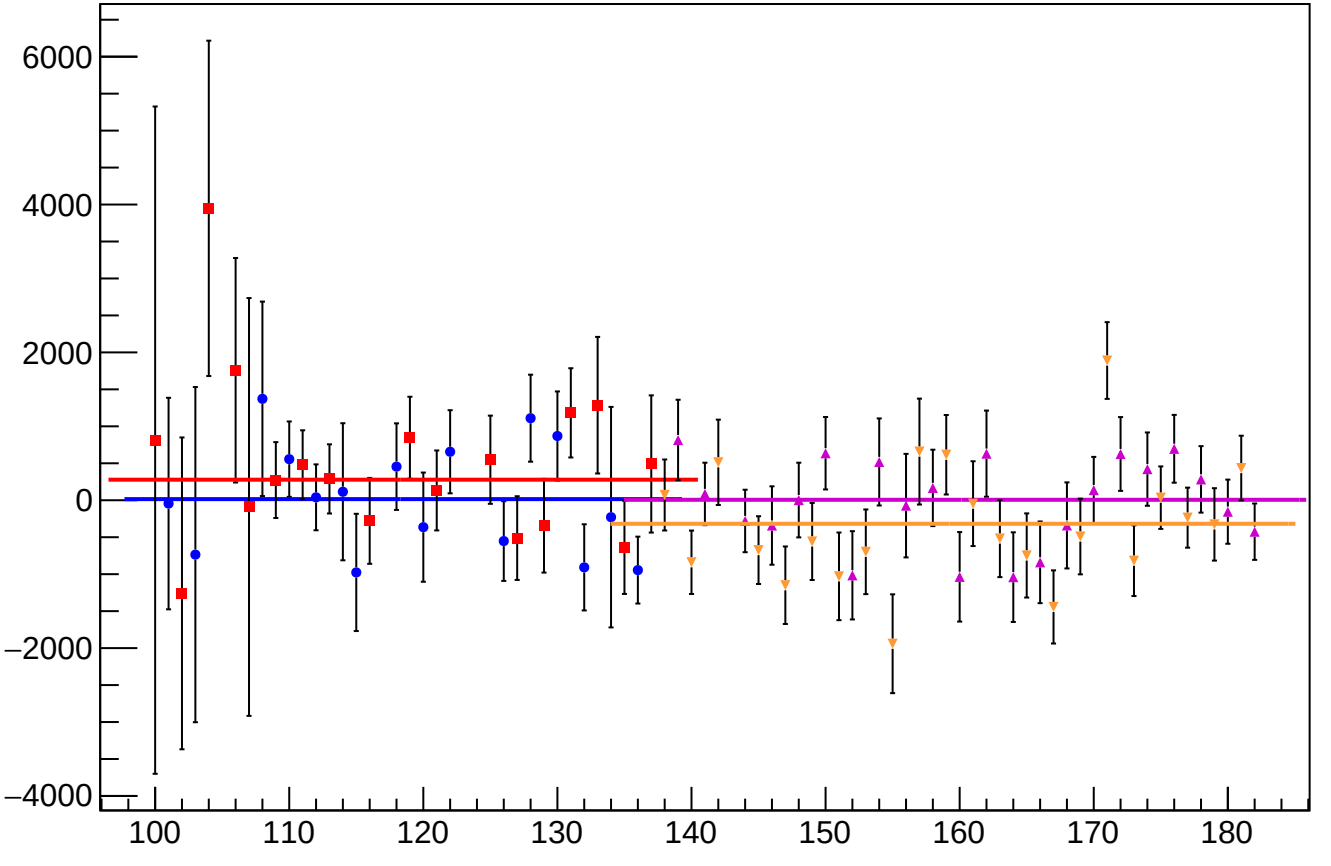
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1105.979+/-0.157 χ^2/NDF:663745.0/37

Out: 1112.393+/-0.159 χ^2/NDF:275642.6/39

All: 1109.134+/-0.112 χ^2/NDF: 940212.6/77

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -318.328+/-108.323 χ^2/NDF:49.3/21

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 6.134+/-107.049 χ^2/NDF:24.7/21

Left: -154.178+/-76.142 χ^2/NDF: 78.6/43

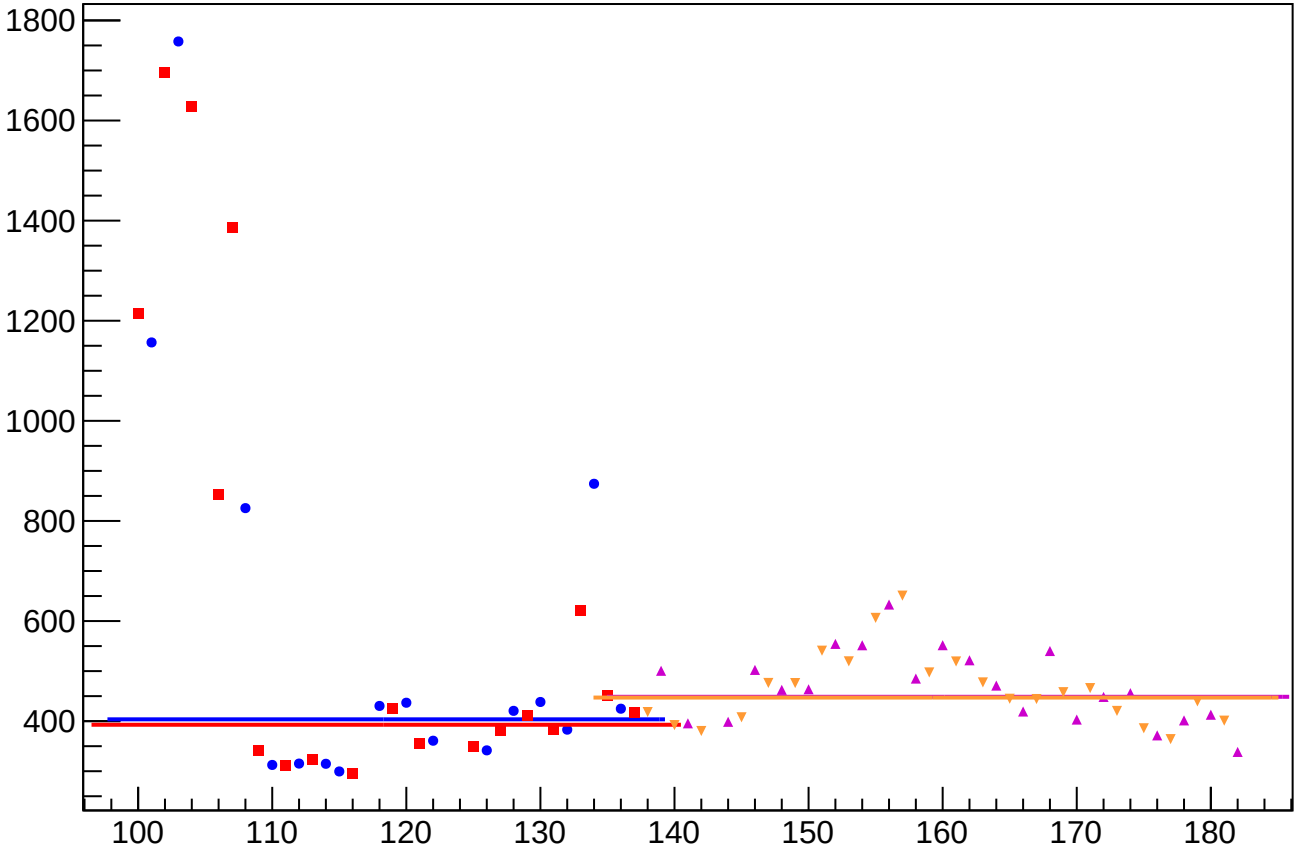
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 8.921+/-89.286 χ^2/NDF:44.4/37

Out: -128.929+/-89.491 χ^2/NDF:74.0/39

All: -59.845+/-63.207 χ^2/NDF: 119.5/77

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: 447.137+/-0.077 χ^2/NDF:665345.2/21

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 448.670+/-0.076 χ^2/NDF:801242.4/21

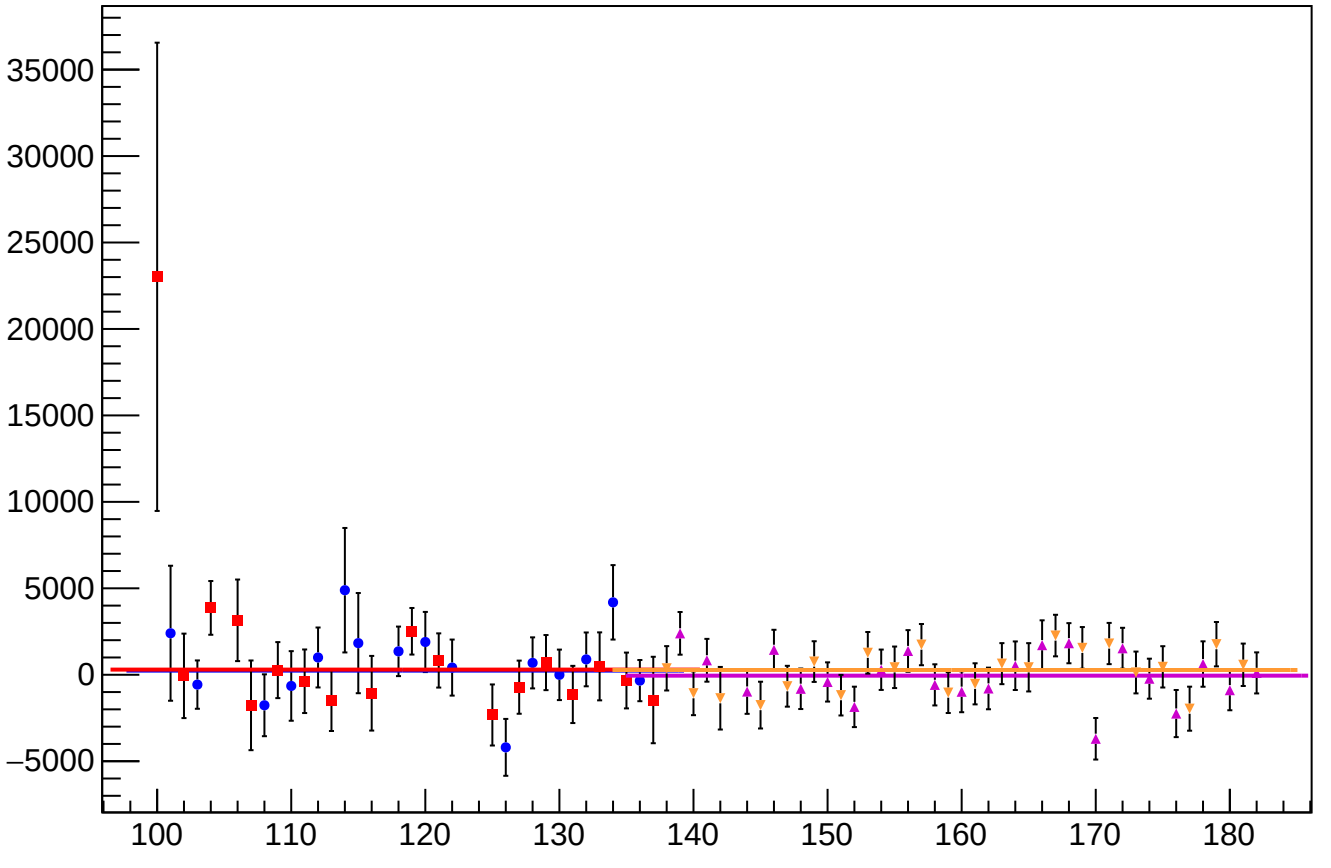
Left: 447.912+/-0.054 χ^2/NDF: 1466790.3/43

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 434.970+/-0.063 χ^2/NDF:2838467.3/37

Out: 429.893+/-0.063 χ^2/NDF:3028446.1/39

All: 432.437+/-0.045 χ^2/NDF: 5870140.1/77



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 275.295+/-264.046 χ^2/NDF:20.6/21

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: -51.586+/-259.205 χ^2/NDF:31.0/21

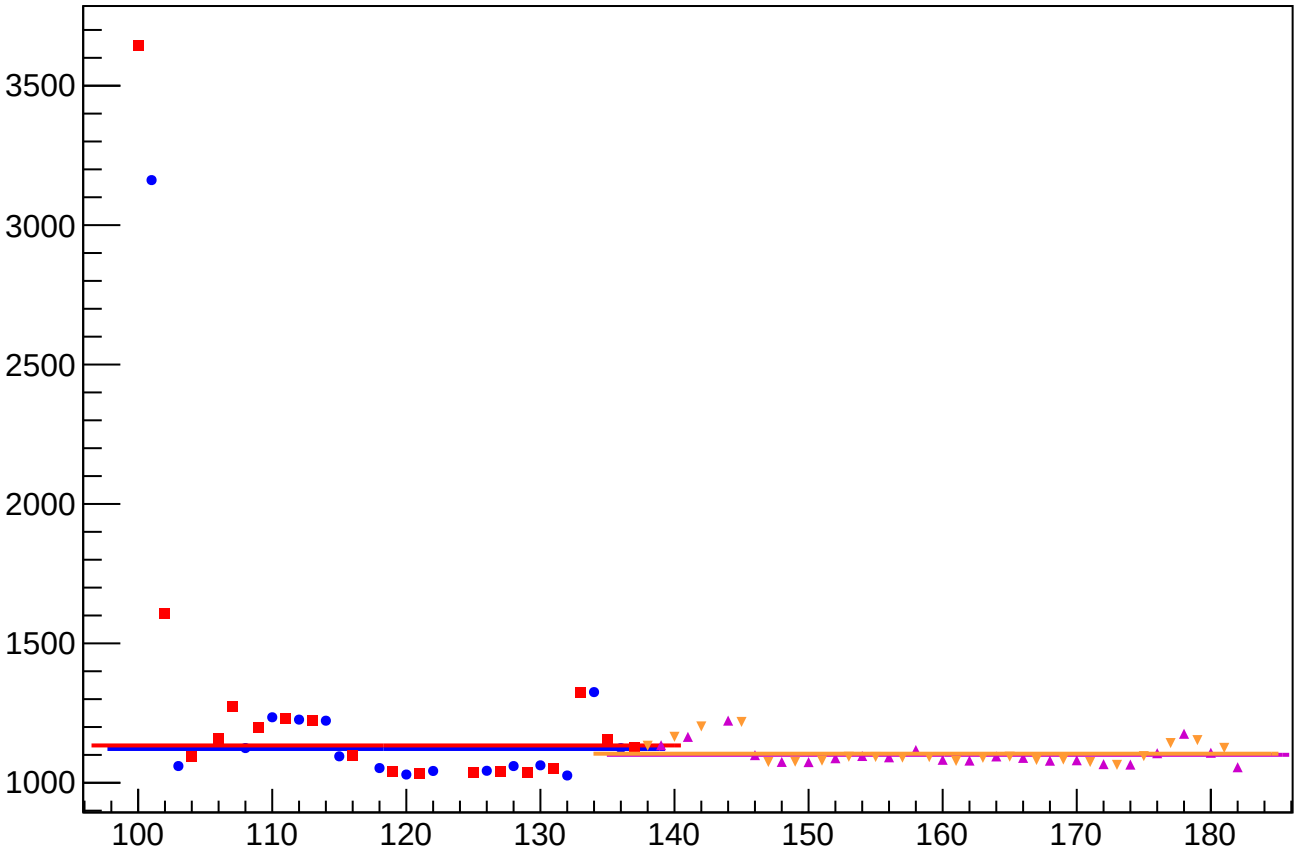
Left: 108.830+/-184.973 χ^2/NDF: 52.3/43

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 27.262+/-221.518 χ^2/NDF:48.2/37

Out: 281.747+/-225.119 χ^2/NDF:39.3/39

All: 152.453+/-157.895 χ^2/NDF: 88.2/77



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1104.301+/-0.187 χ^2/NDF:41308.4/21

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1100.324+/-0.183 χ^2/NDF:43187.1/21

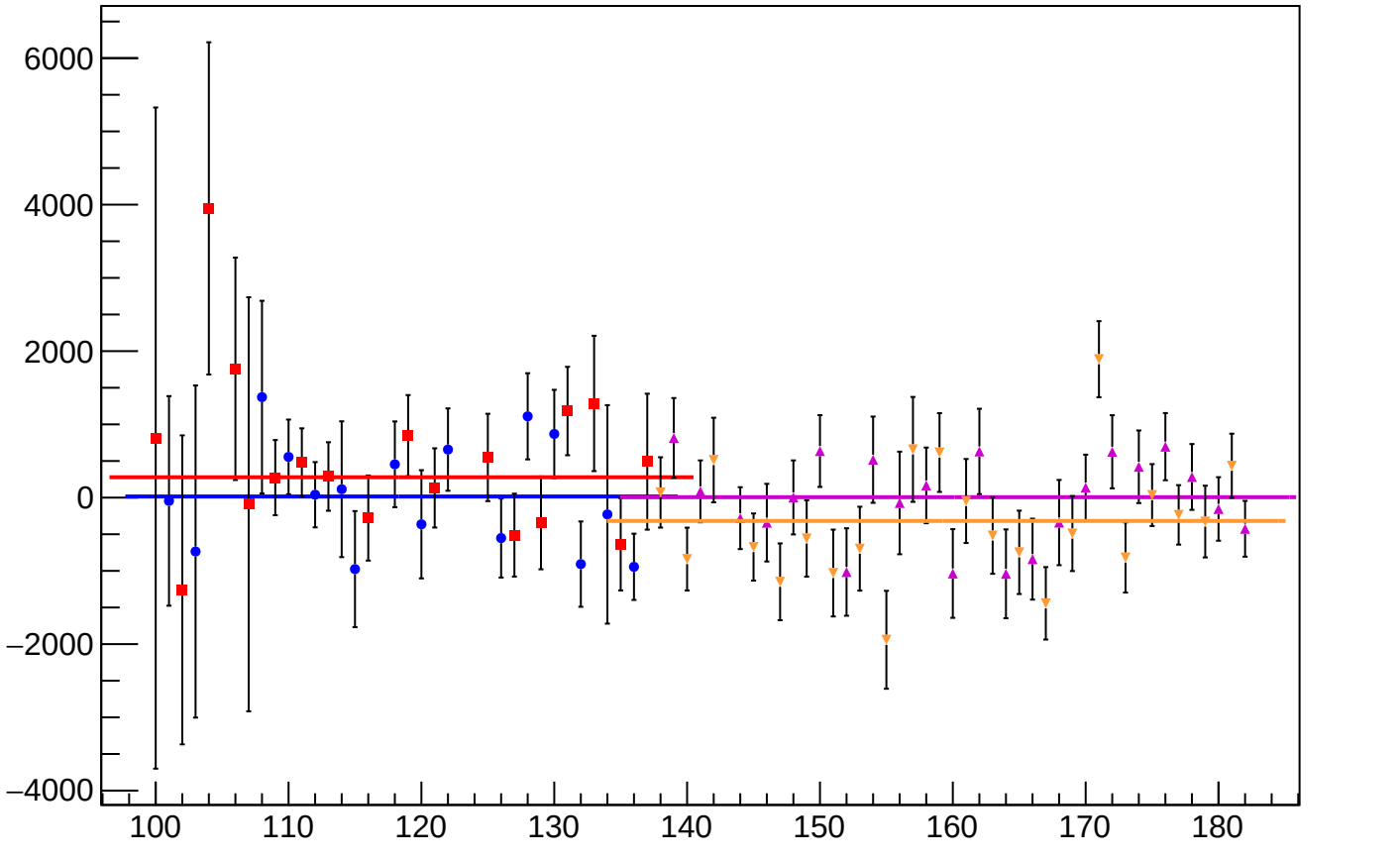
Left: 1102.276+/-0.131 χ^2/NDF: 84726.6/43

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1105.978+/-0.157 χ^2/NDF:663745.2/37

Out: 1112.393+/-0.159 χ^2/NDF:275643.1/39

All: 1109.134+/-0.112 χ^2/NDF: 940213.2/77



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -318.330+/-108.323 χ^2/NDF:49.3/21

Right Out: 278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 6.134+/-107.049 χ^2/NDF:24.7/21

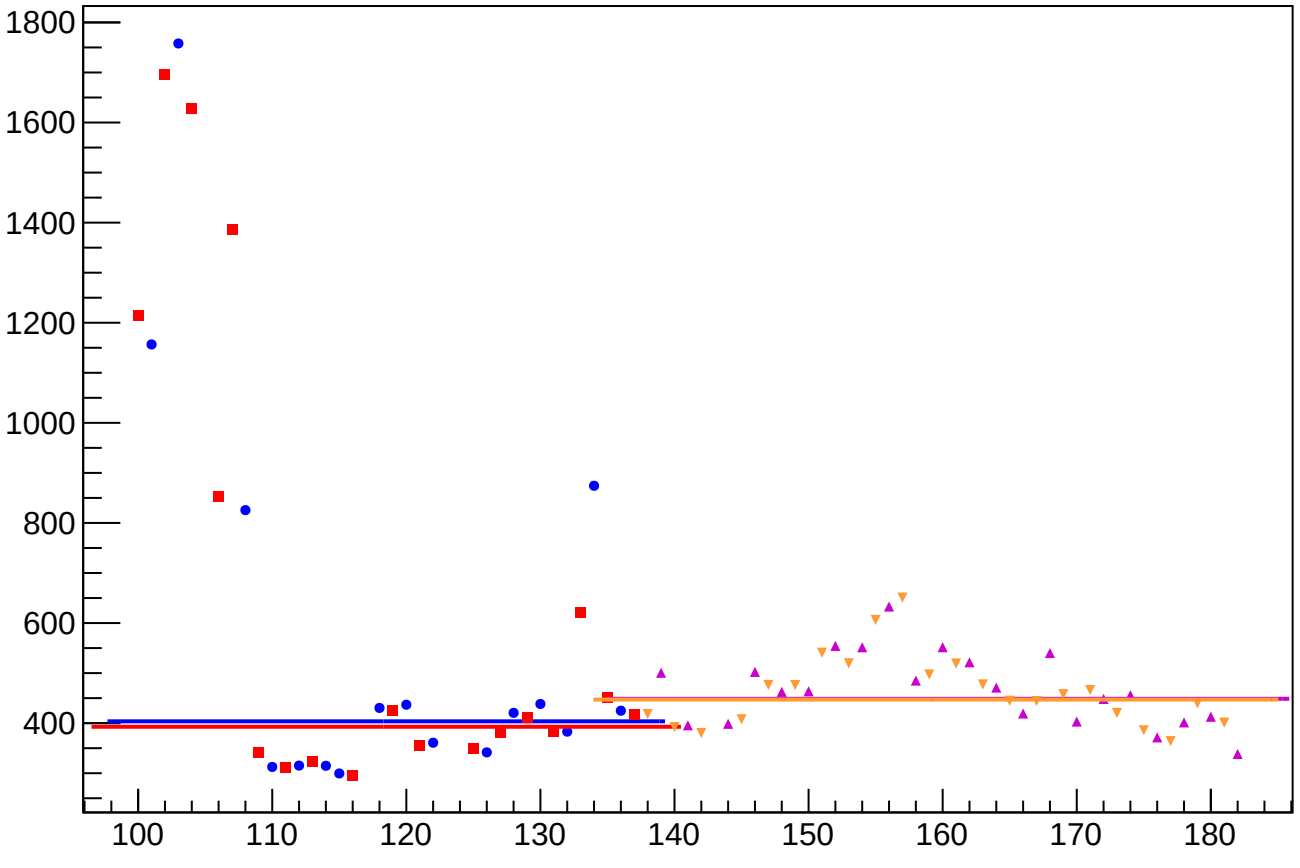
Left: -154.178+/-76.142 χ^2/NDF: 78.6/43

Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: 8.920+/-89.285 χ^2/NDF:44.4/37

Out: -128.929+/-89.491 χ^2/NDF:74.0/39

All: -59.846+/-63.207 χ^2/NDF: 119.5/77



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 447.137+/-0.077 χ^2/NDF:665362.7/21

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 448.670+/-0.076 χ^2/NDF:801273.8/21

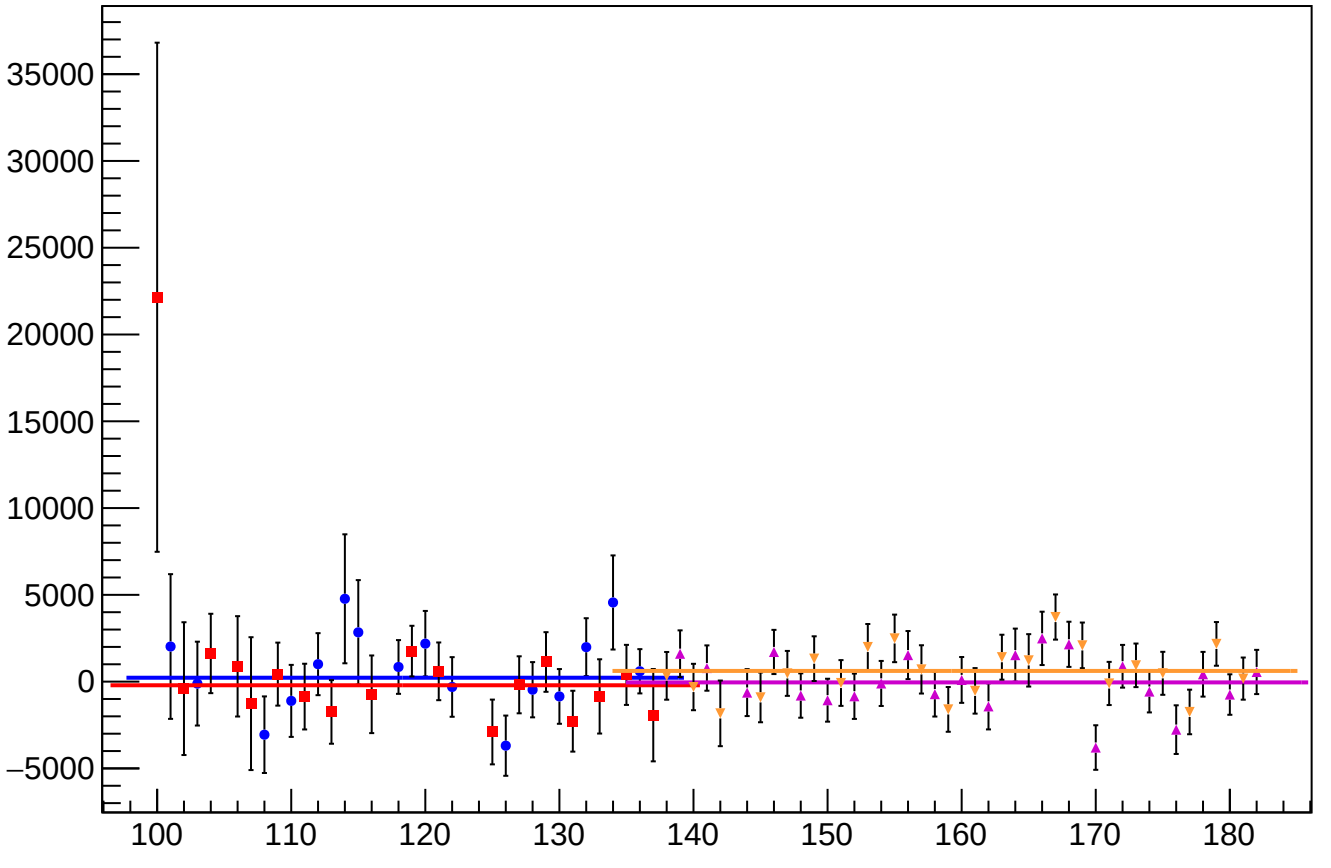
Left: 447.912+/-0.054 χ^2/NDF: 1466839.2/43

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 434.969+/-0.063 χ^2/NDF:2838509.4/37

Out: 429.891+/-0.063 χ^2/NDF:3028491.1/39

All: 432.436+/-0.045 χ^2/NDF: 5870227.1/77



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 616.645+/-283.009 χ^2/NDF:23.6/21

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: -44.508+/-278.725 χ^2/NDF:28.5/21

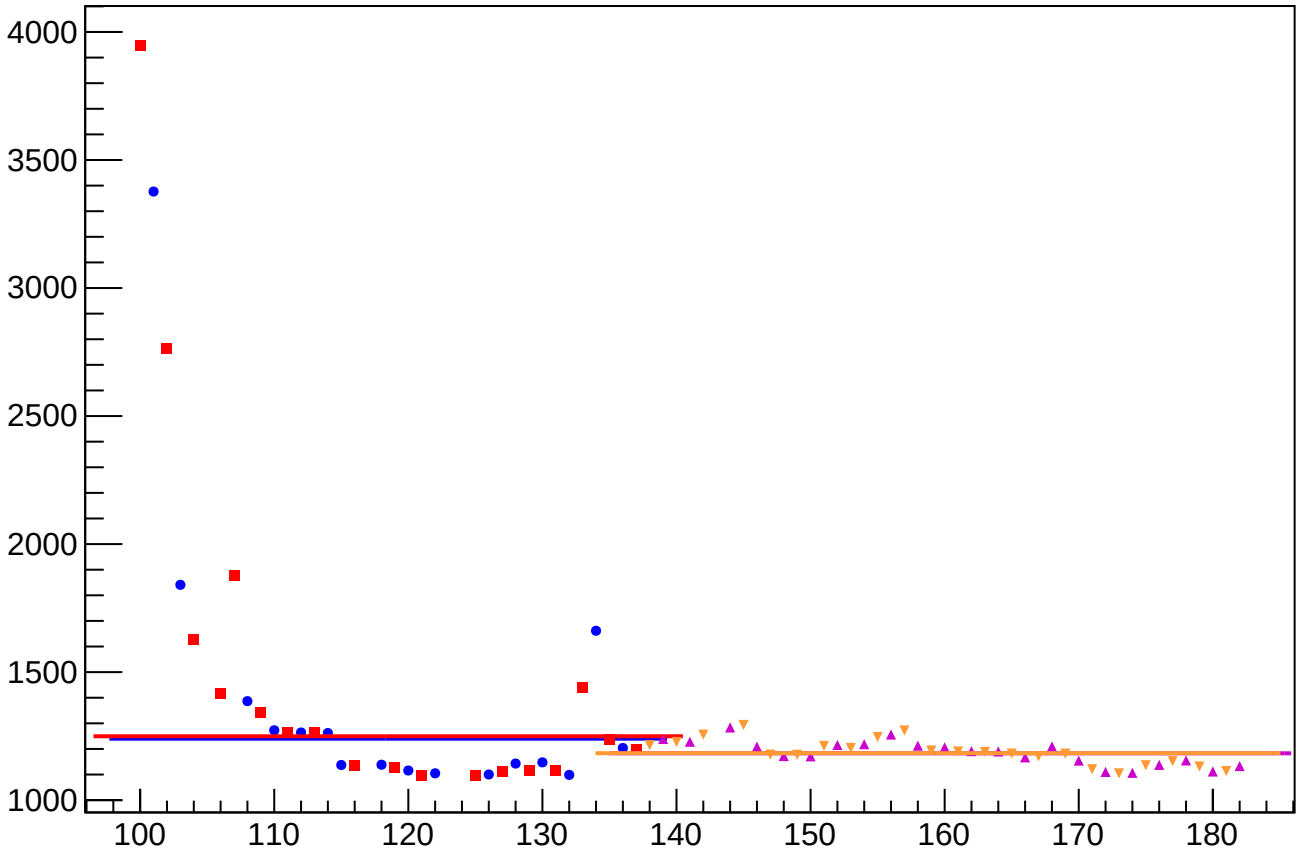
Left: 281.026+/-198.586 χ^2/NDF: 54.8/43

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 24.569+/-240.337 χ^2/NDF:44.8/37

Out: 402.027+/-243.502 χ^2/NDF:36.7/39

All: 210.829+/-171.052 χ^2/NDF: 82.8/77



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1183.353+/-0.200 χ^2/NDF:59263.2/21

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1182.969+/-0.197 χ^2/NDF:58804.6/21

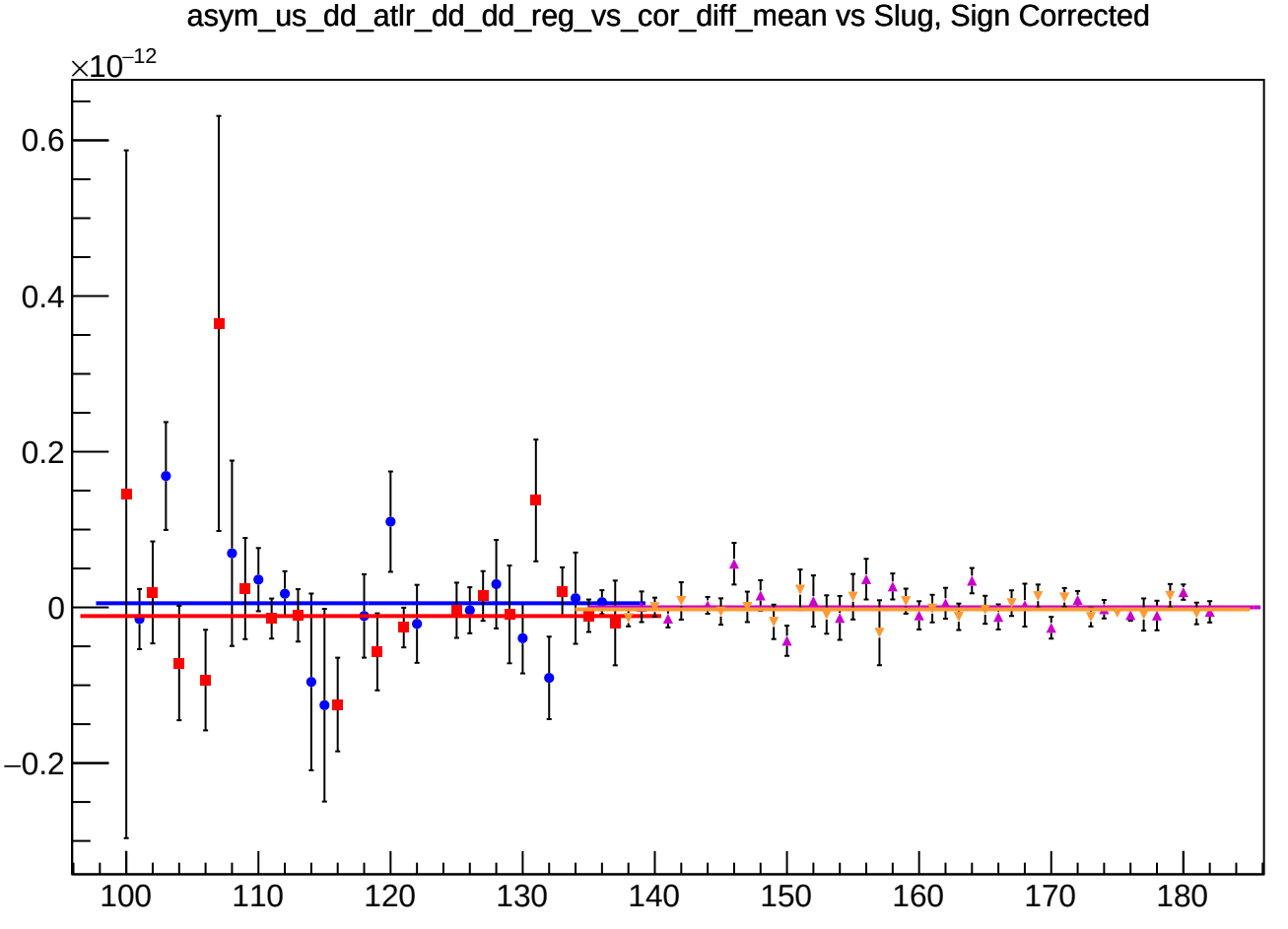
Left: 1183.158+/-0.140 χ^2/NDF: 118069.7/43

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1197.632+/-0.170 χ^2/NDF:863066.3/37

Out: 1200.508+/-0.172 χ^2/NDF:693660.2/39

All: 1199.052+/-0.121 χ^2/NDF: 1556867.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/21

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

Left In: 0.000+/-0.000 χ^2/NDF:32.3/21

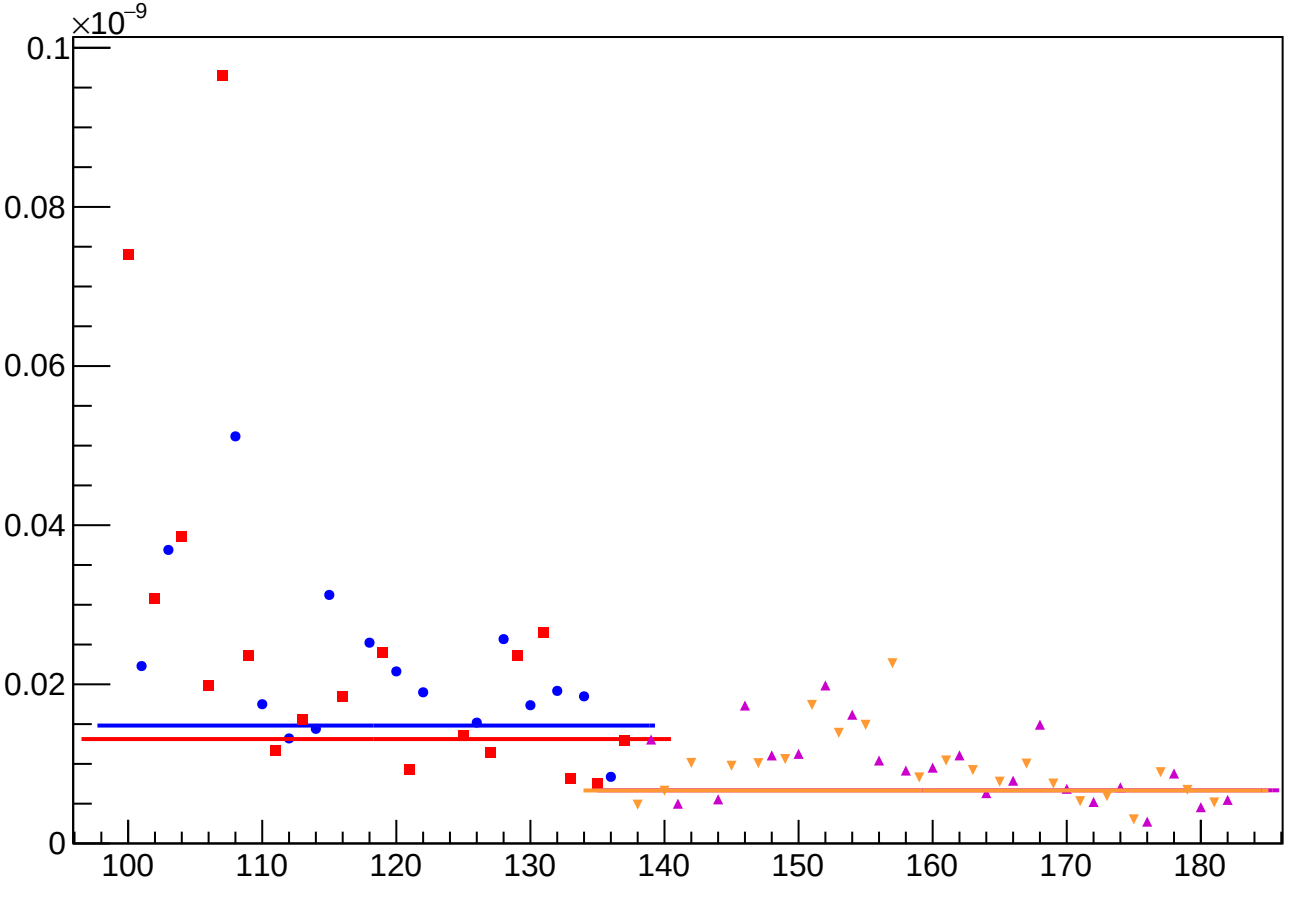
Left: -0.000+/-0.000 χ^2/NDF: 43.0/43

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:49.0/37

Out: -0.000+/-0.000 χ^2/NDF:26.2/39

All: -0.000+/-0.000 χ^2/NDF: 76.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2284331.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2533466.2/21

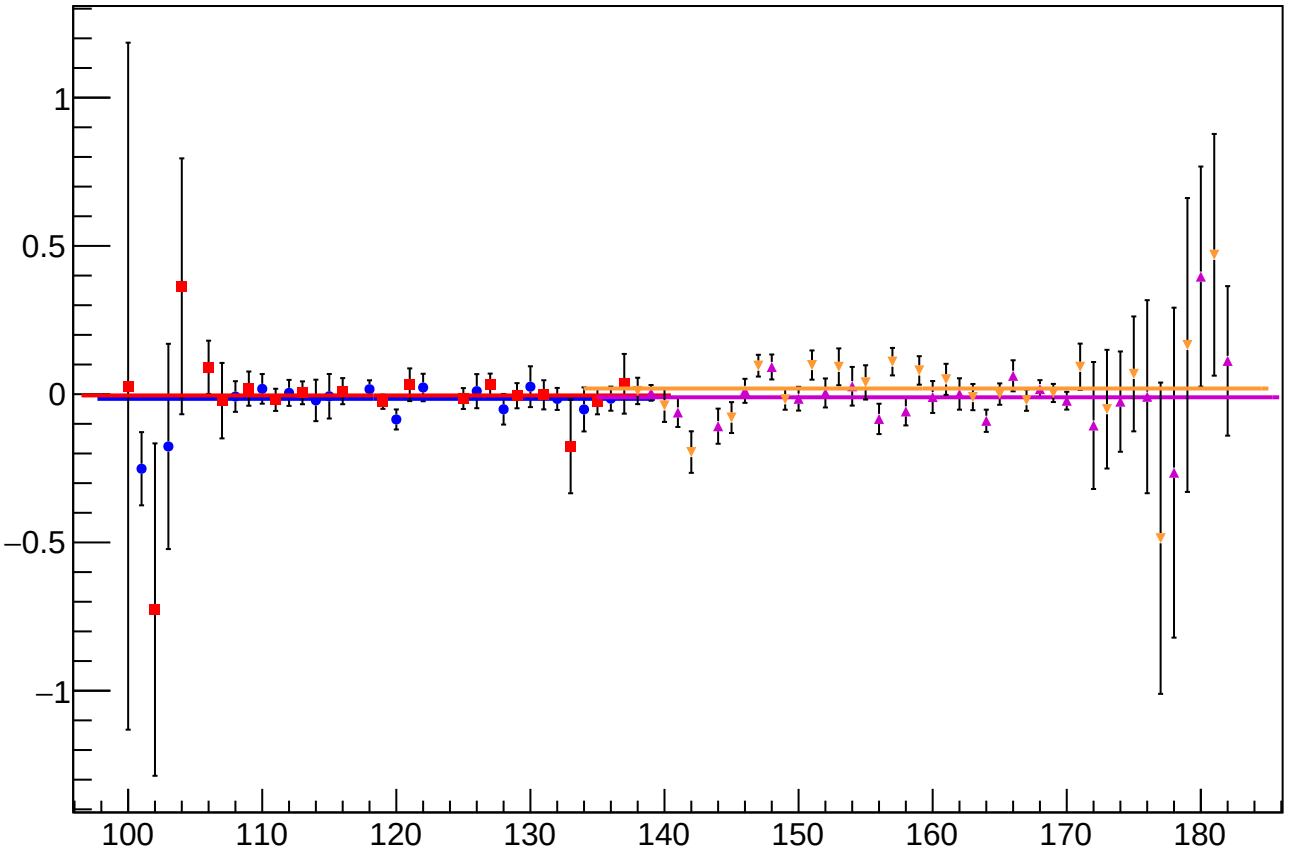
Left: 0.000+/-0.000 χ^2/NDF: 4817839.9/43

Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:4905002.8/37

Out: 0.000+/-0.000 χ^2/NDF:4323039.7/39

All: 0.000+/-0.000 χ^2/NDF: 9230232.2/77



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.8/21

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:23.1/21

Left: 0.004+/-0.007 χ^2/NDF: 61.8/43

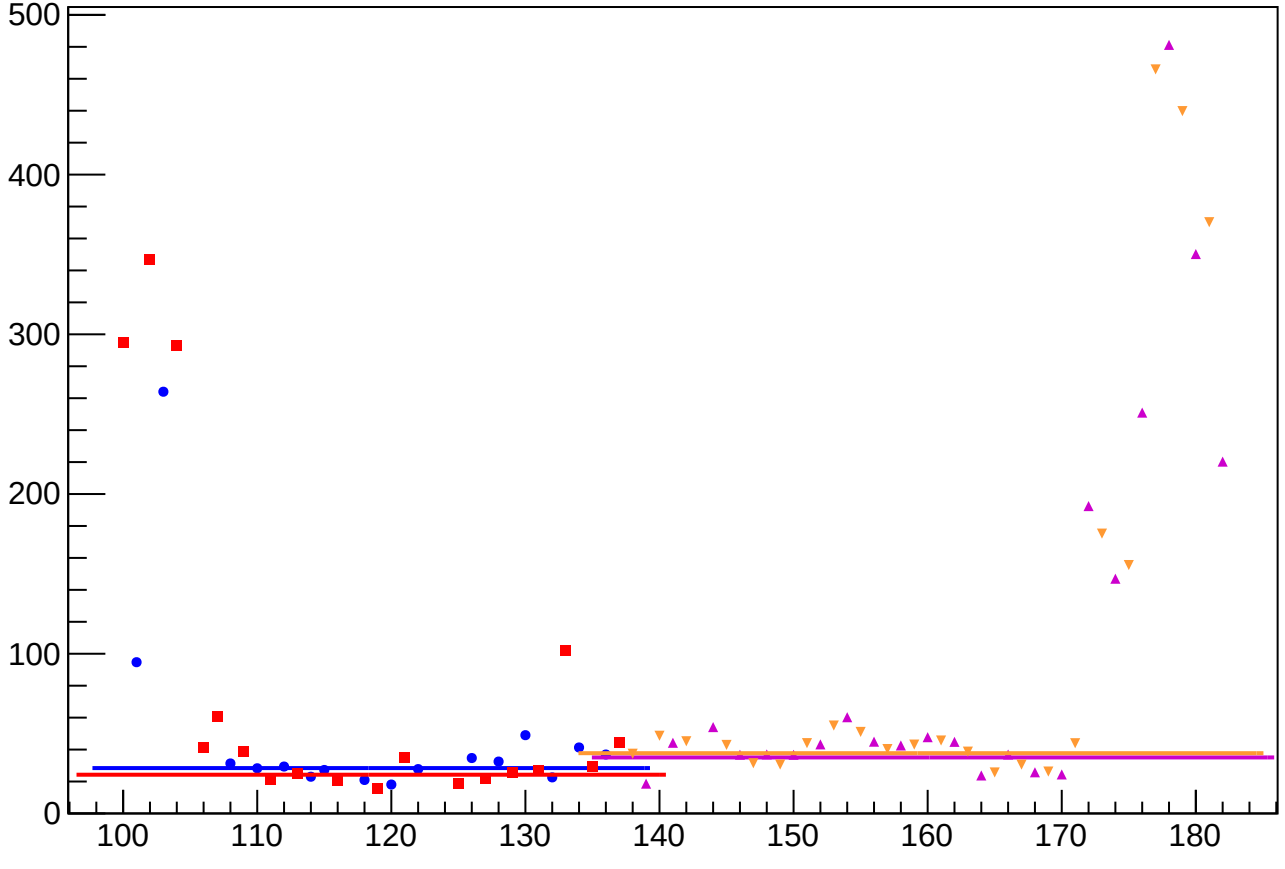
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:35.1/37

Out: 0.008+/-0.008 χ^2/NDF:44.8/39

All: -0.002+/-0.006 χ^2/NDF: 83.3/77

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.737+/-0.008 χ^2/NDF:6891538.5/21

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.071+/-0.007 χ^2/NDF:8982436.7/21

Left: 36.334+/-0.005 χ^2/NDF: 15937879.4/43

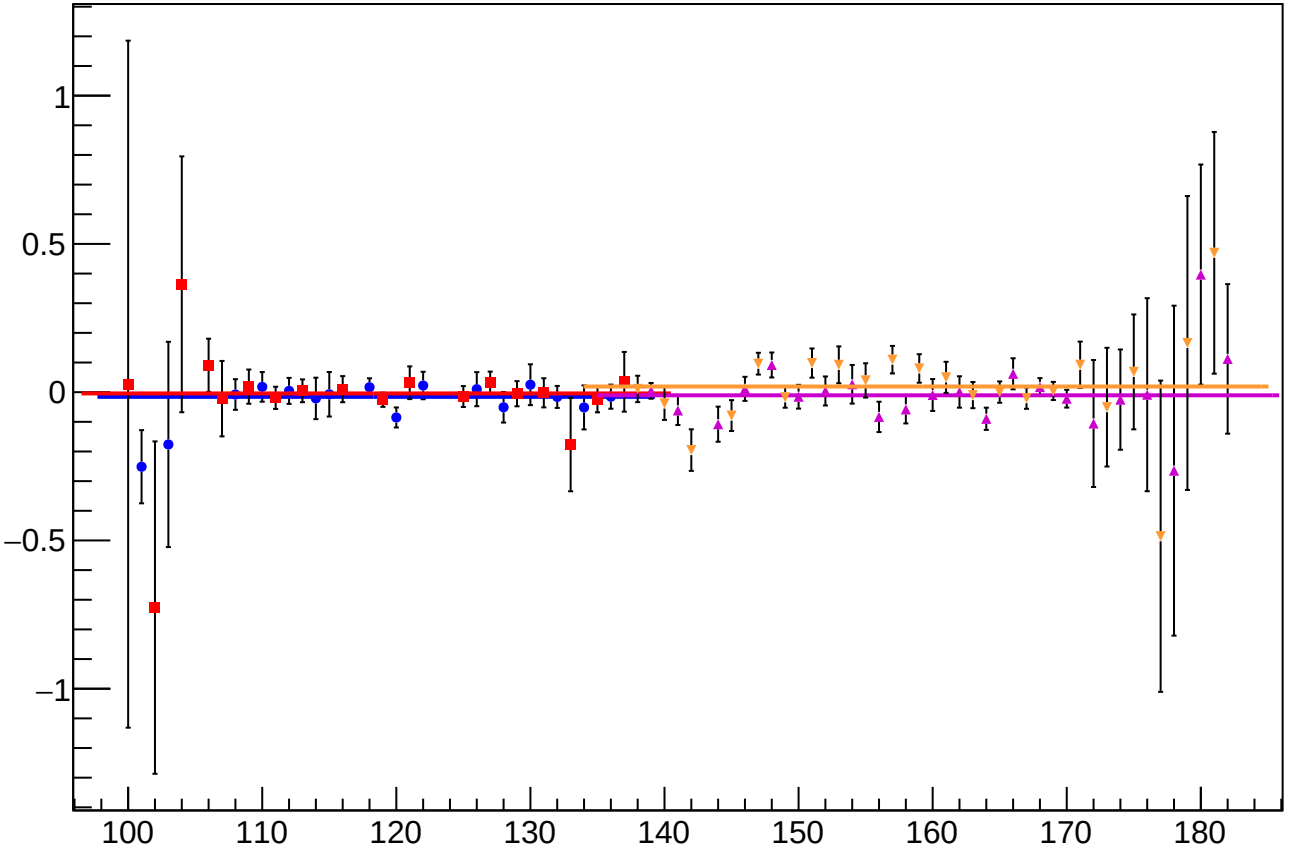
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.338+/-0.006 χ^2/NDF:11573404.4/37

Out: 31.369+/-0.006 χ^2/NDF:11271105.8/39

All: 31.852+/-0.004 χ^2/NDF: 22859667.5/77

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.8/21

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:23.1/21

Left: 0.004+/-0.007 χ^2/NDF: 61.8/43

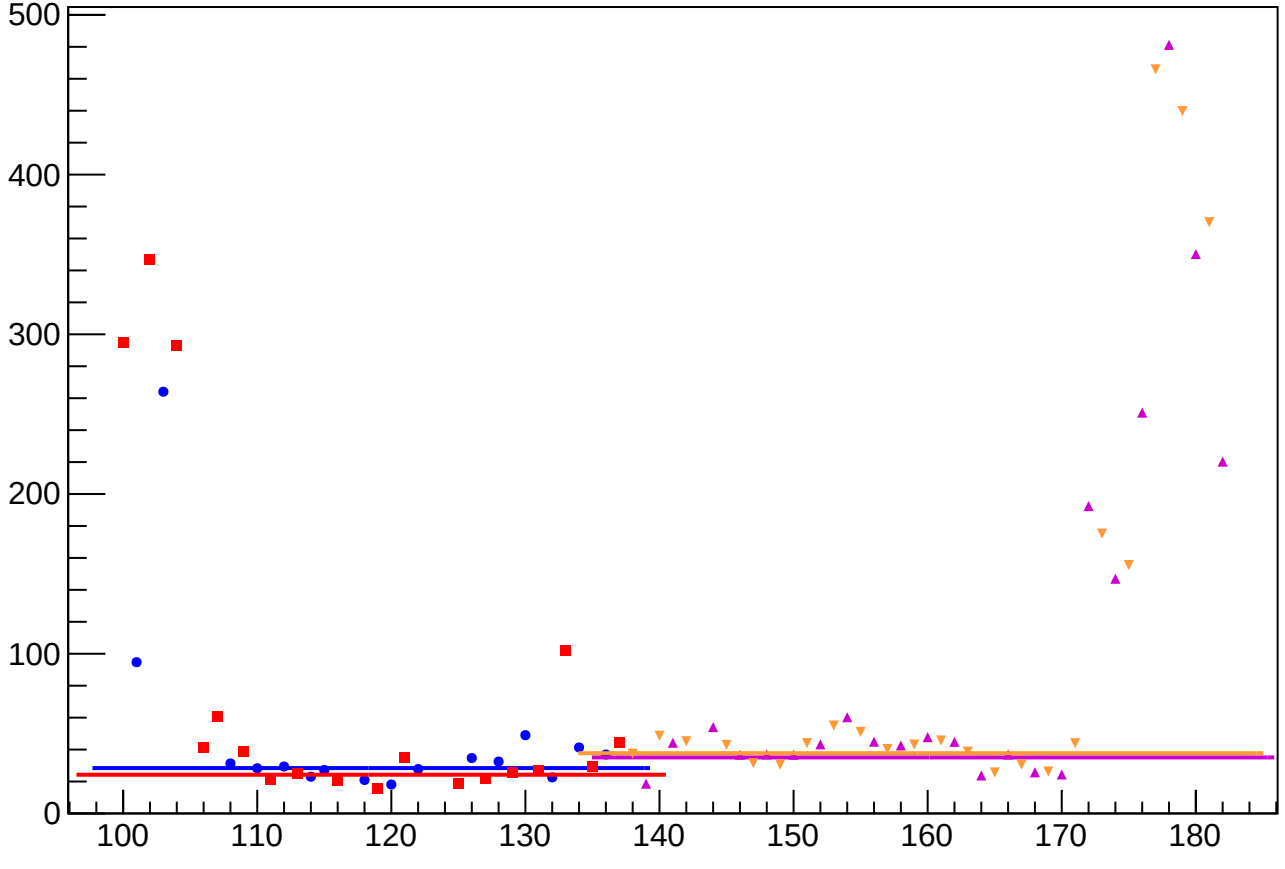
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:35.1/37

Out: 0.008+/-0.008 χ^2/NDF:44.8/39

All: -0.002+/-0.006 χ^2/NDF: 83.3/77

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.737+/-0.008 χ^2/NDF:6891538.5/21

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.071+/-0.007 χ^2/NDF:8982436.7/21

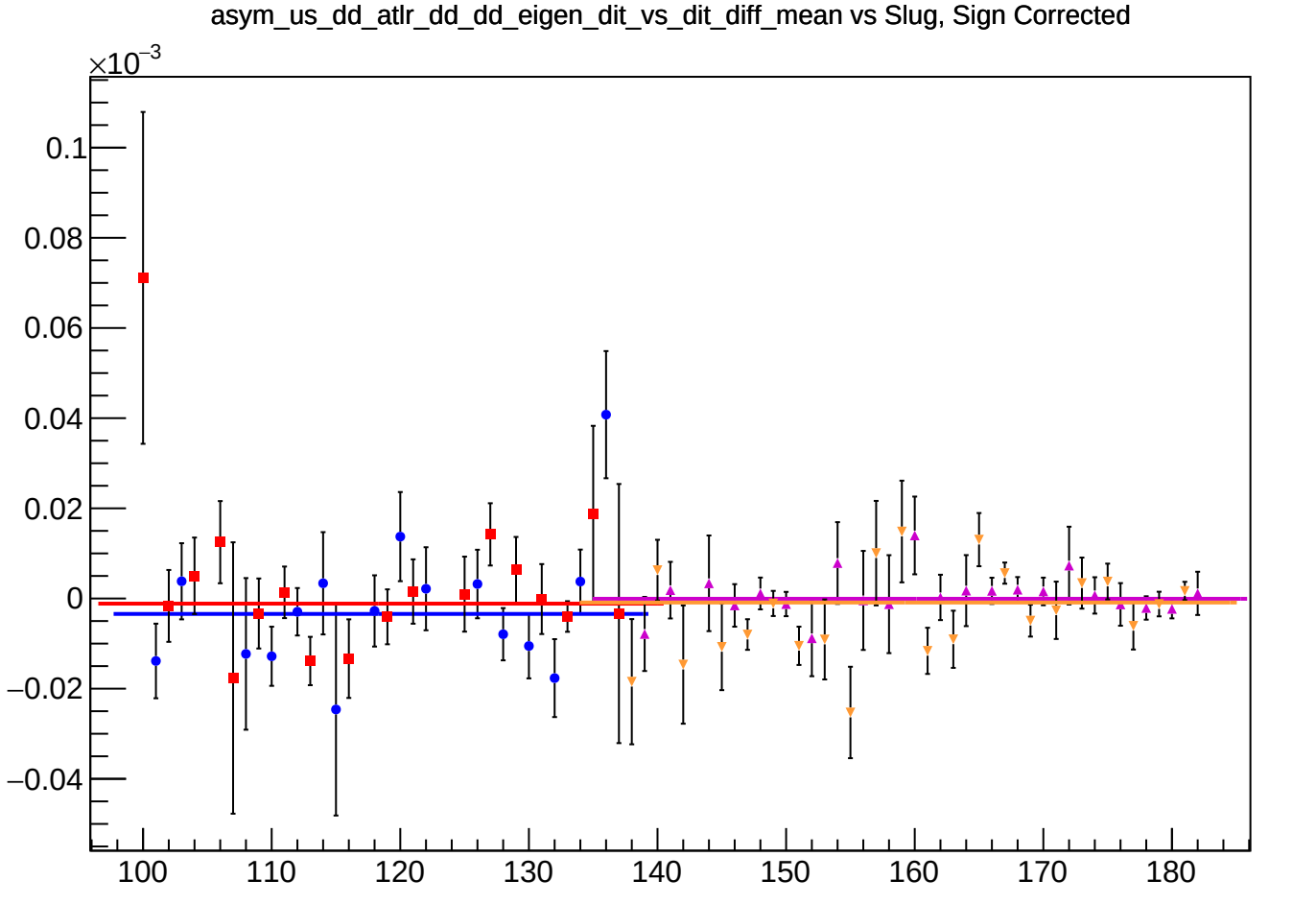
Left: 36.334+/-0.005 χ^2/NDF: 15937879.4/43

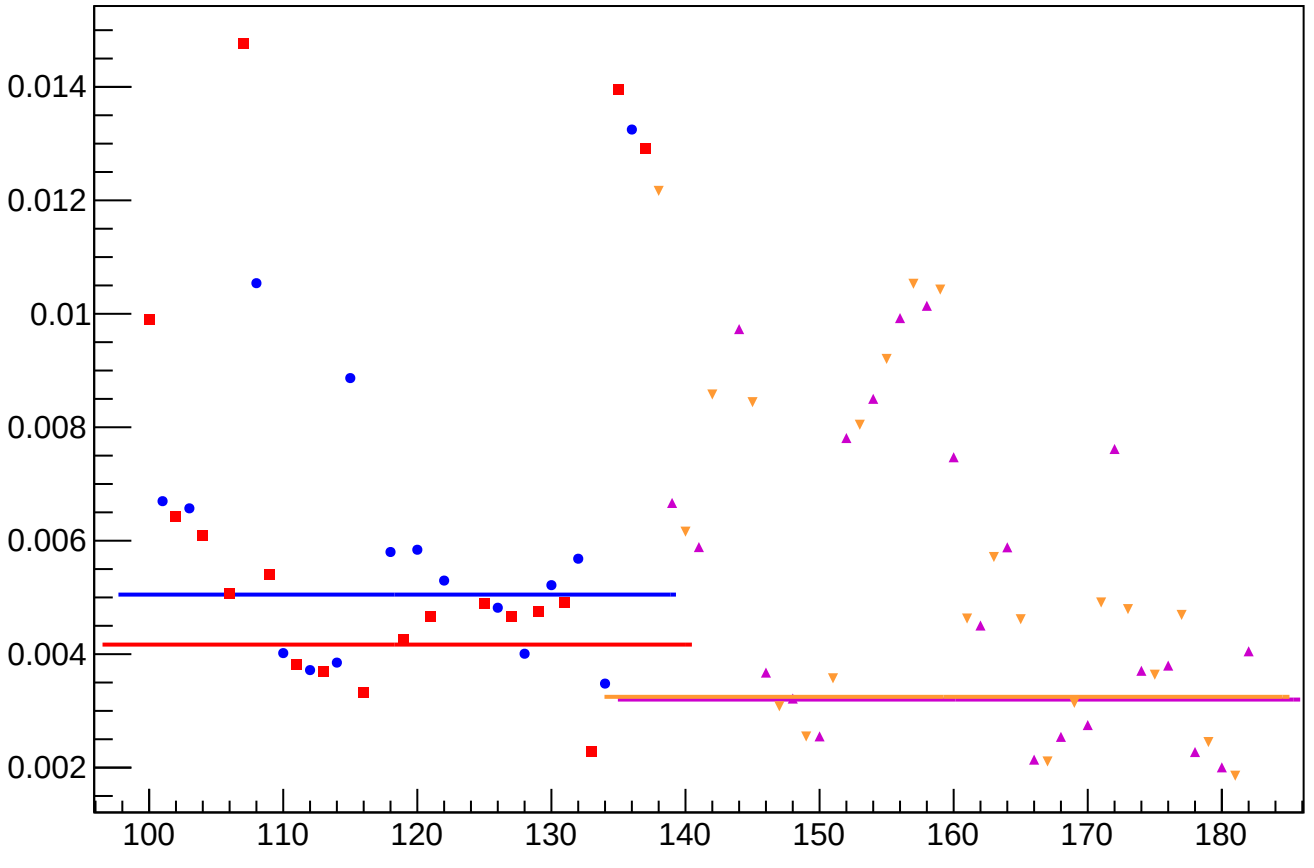
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.338+/-0.006 χ^2/NDF:11573404.4/37

Out: 31.369+/-0.006 χ^2/NDF:11271105.8/39

All: 31.852+/-0.004 χ^2/NDF: 22859667.5/77


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
170
180
Right In: -0.000+/-0.000 χ²/NDF: 25.1/15
Left Out: -0.000+/-0.000 χ²/NDF:49.1/21
Right Out: -0.000+/-0.000 χ²/NDF: 23.0/17
Left In: -0.000+/-0.000 χ²/NDF:9.9/21
Left: -0.000+/-0.000 χ²/NDF: 59.4/43
Right: -0.000+/-0.000 χ²/NDF: 48.9/33
In: -0.000+/-0.000 χ²/NDF:37.3/37
Out: -0.000+/-0.000 χ²/NDF:72.1/39
All: -0.000+/-0.000 χ²/NDF: 109.5/77



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7728143.3/21

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.003+/-0.000 χ^2/NDF:7288039.3/21

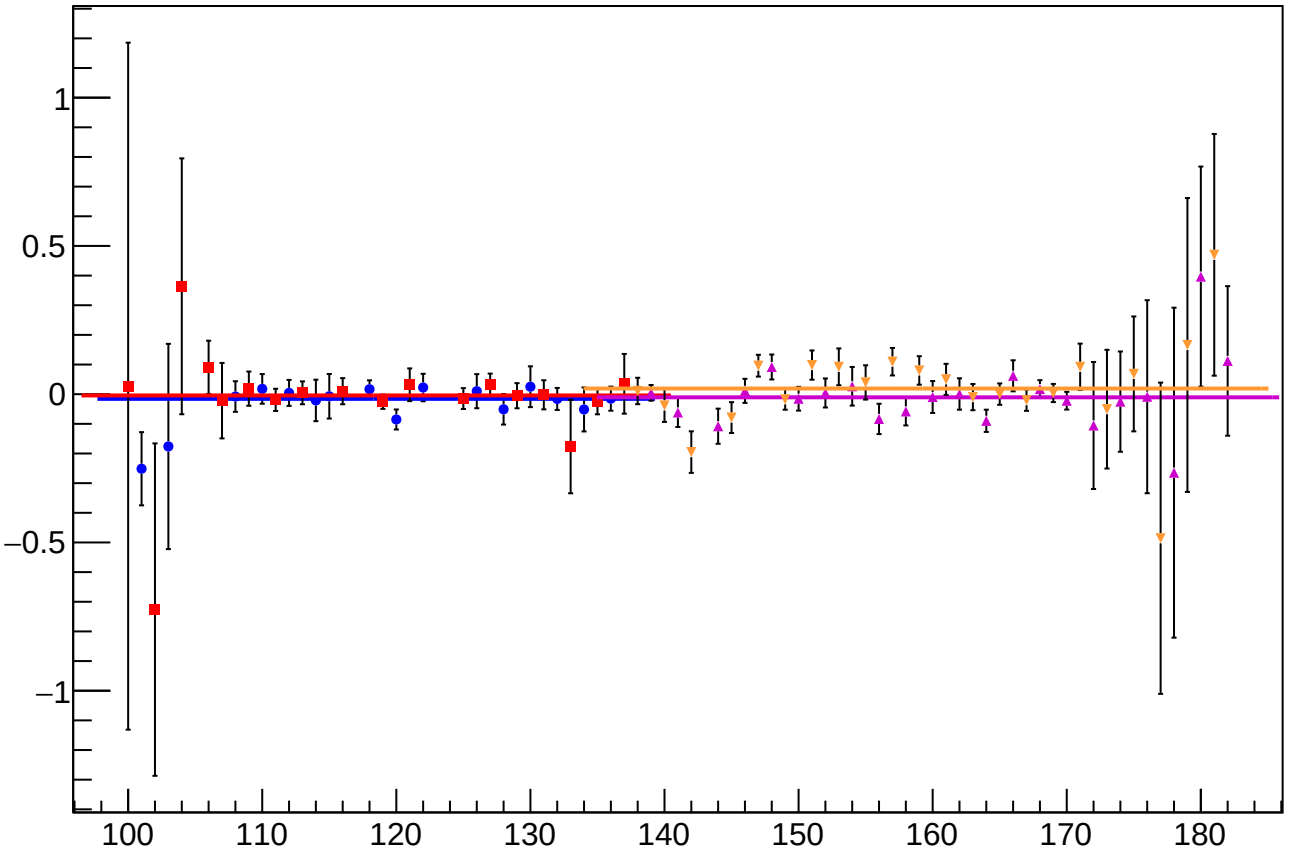
Left: 0.003+/-0.000 χ^2/NDF: 15019172.6/43

Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.003+/-0.000 χ^2/NDF:10191346.3/37

Out: 0.003+/-0.000 χ^2/NDF:10229176.1/39

All: 0.003+/-0.000 χ^2/NDF: 20423076.7/77



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.8/21

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:23.1/21

Left: 0.004+/-0.007 χ^2/NDF: 61.8/43

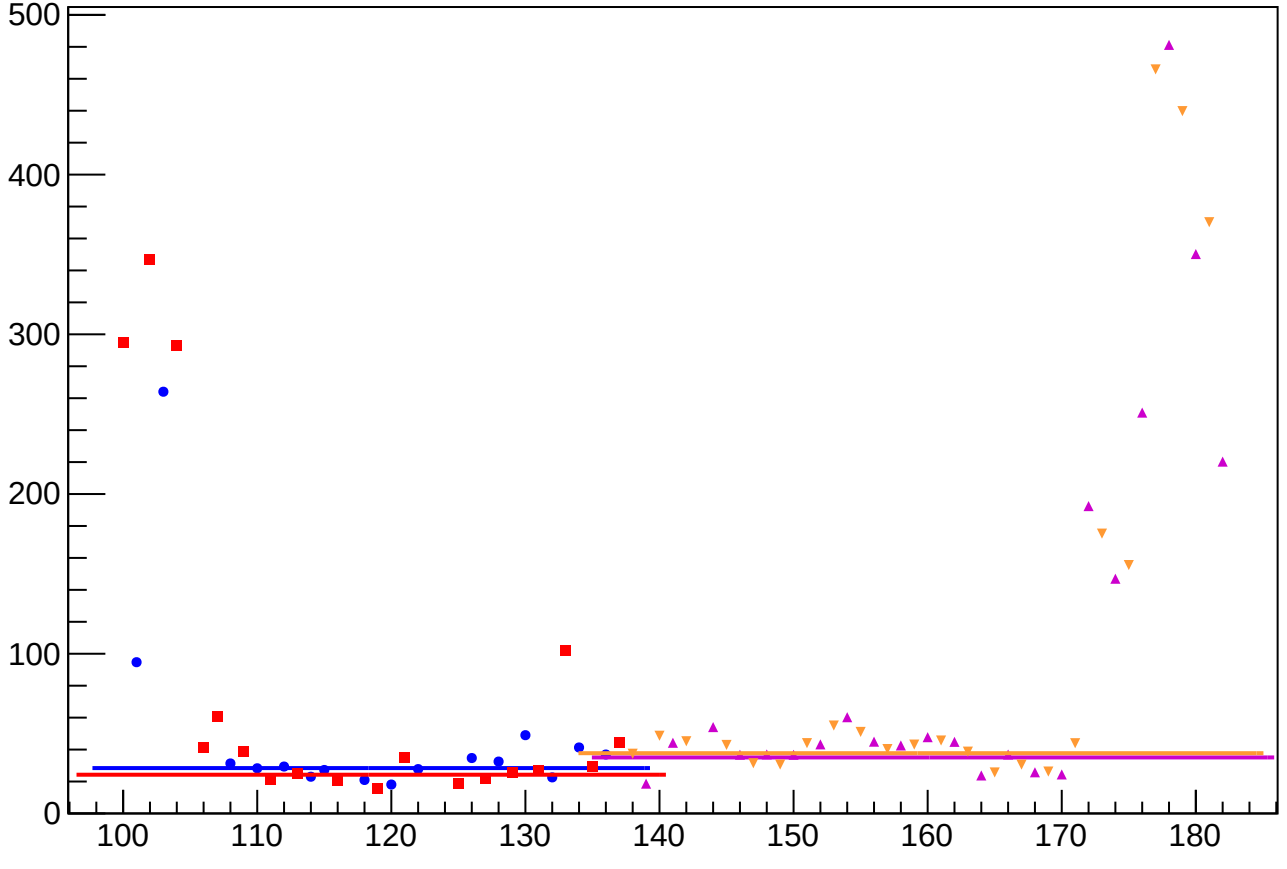
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:35.1/37

Out: 0.008+/-0.008 χ^2/NDF:44.8/39

All: -0.002+/-0.006 χ^2/NDF: 83.3/77

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: 37.737+/-0.008 χ^2/NDF:6891700.4/21

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.070+/-0.007 χ^2/NDF:8982867.9/21

Left: 36.333+/-0.005 χ^2/NDF: 15938471.6/43

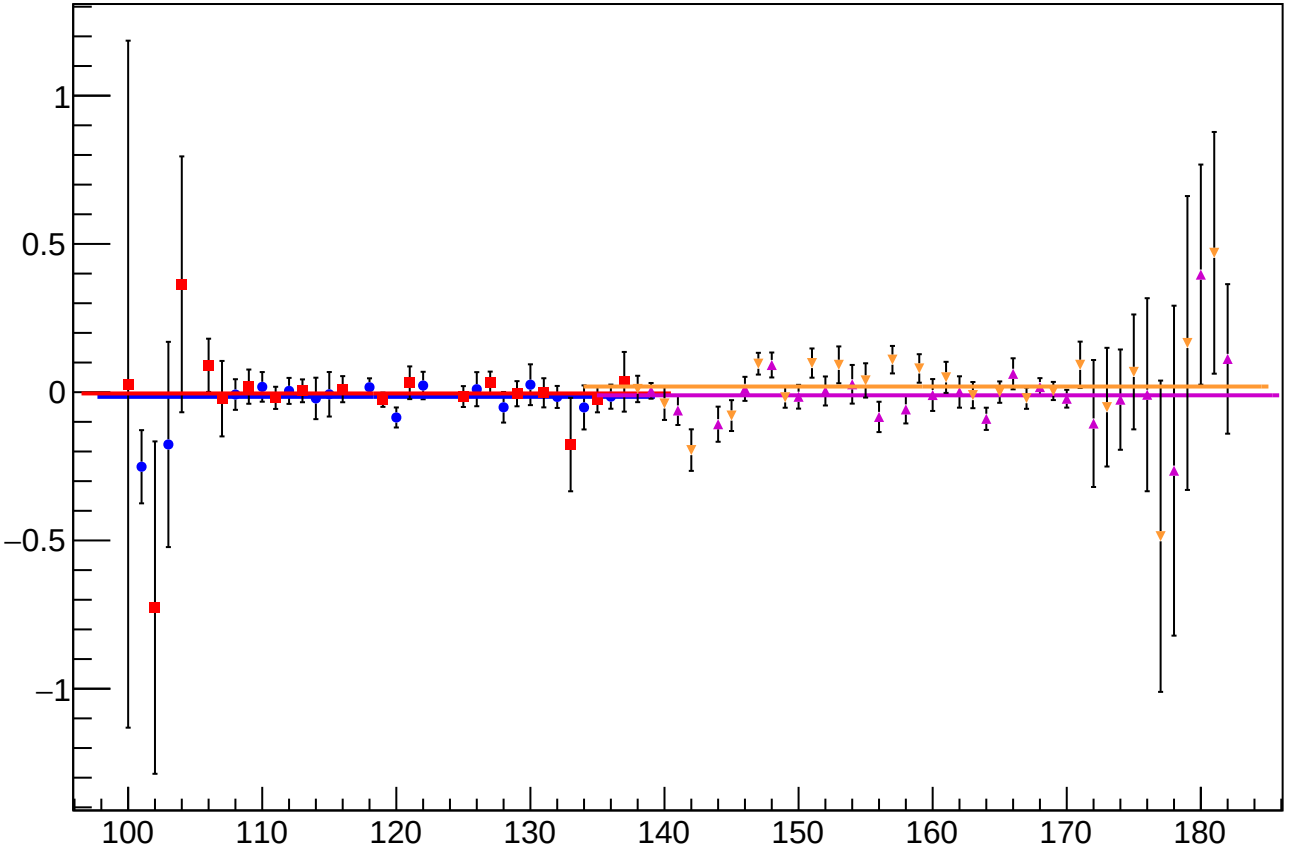
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.338+/-0.006 χ^2/NDF:11573827.1/37

Out: 31.368+/-0.006 χ^2/NDF:11271847.5/39

All: 31.851+/-0.004 χ^2/NDF: 22860863.9/77

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.8/21

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:23.1/21

Left: 0.004+/-0.007 χ^2/NDF: 61.8/43

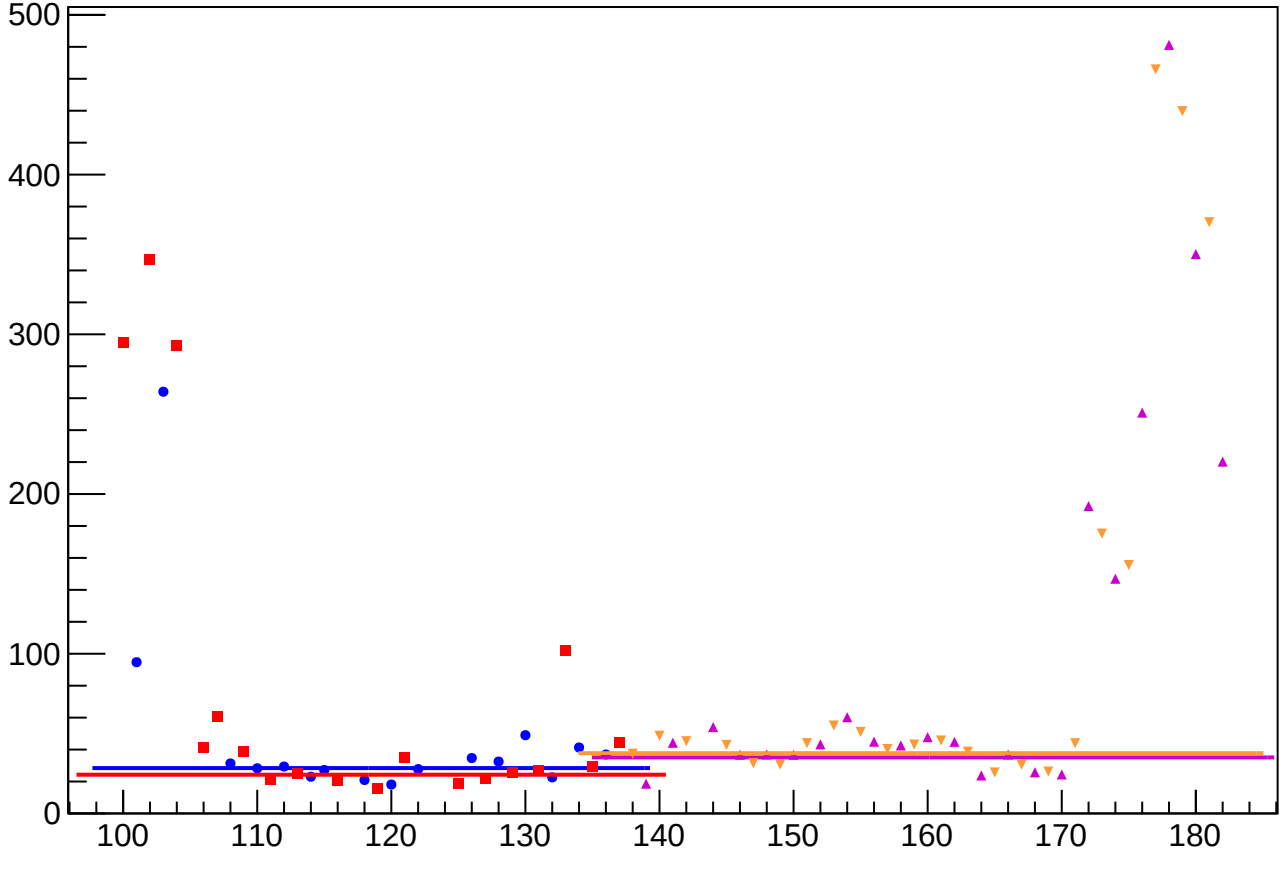
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:35.1/37

Out: 0.008+/-0.008 χ^2/NDF:44.8/39

All: -0.002+/-0.006 χ^2/NDF: 83.3/77

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.737+/-0.008 χ^2/NDF:6891700.4/21

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.070+/-0.007 χ^2/NDF:8982867.9/21

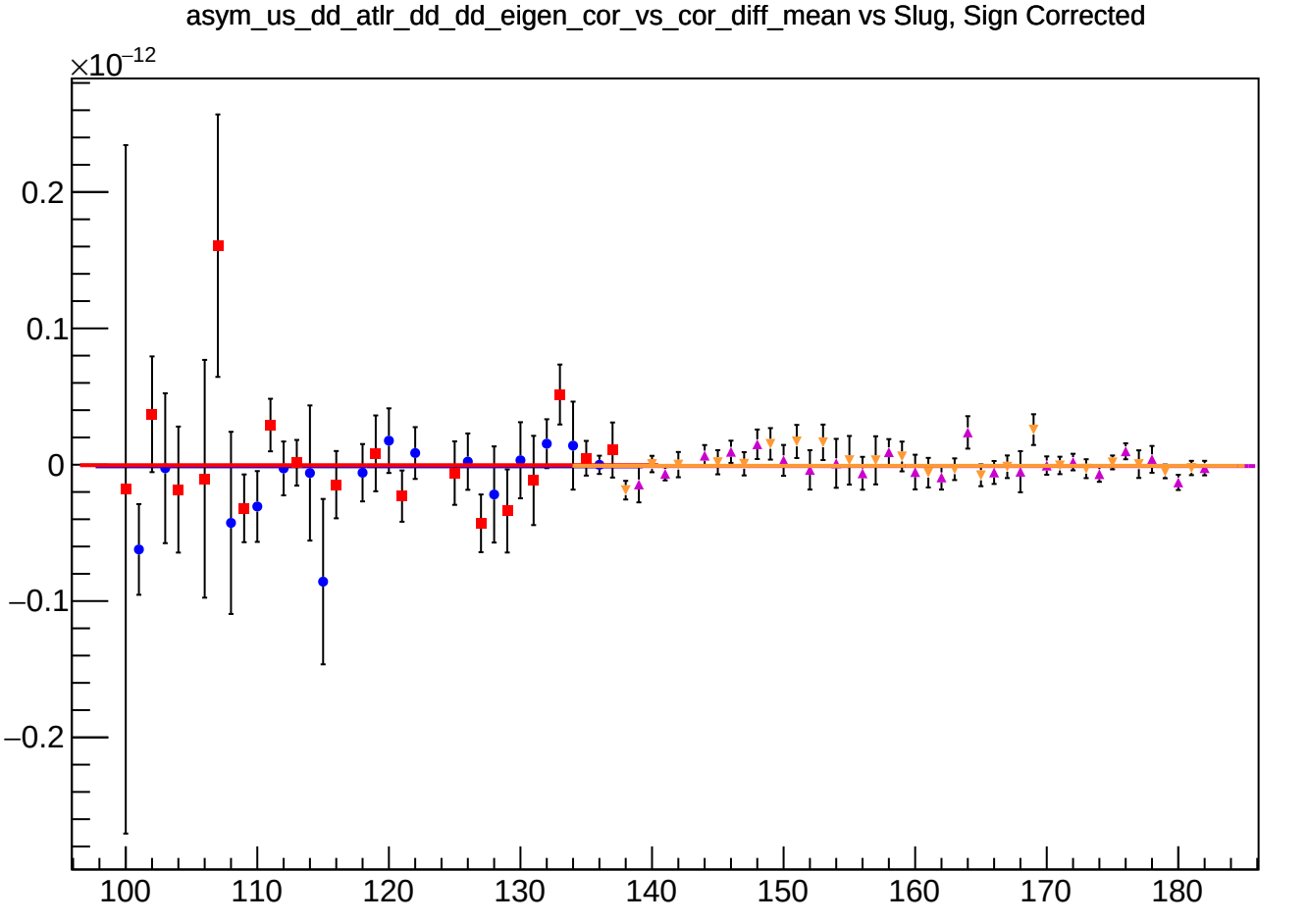
Left: 36.333+/-0.005 χ^2/NDF: 15938471.6/43

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.338+/-0.006 χ^2/NDF:11573827.1/37

Out: 31.368+/-0.006 χ^2/NDF:11271847.5/39

All: 31.851+/-0.004 χ^2/NDF: 22860863.9/77



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:24.0/21

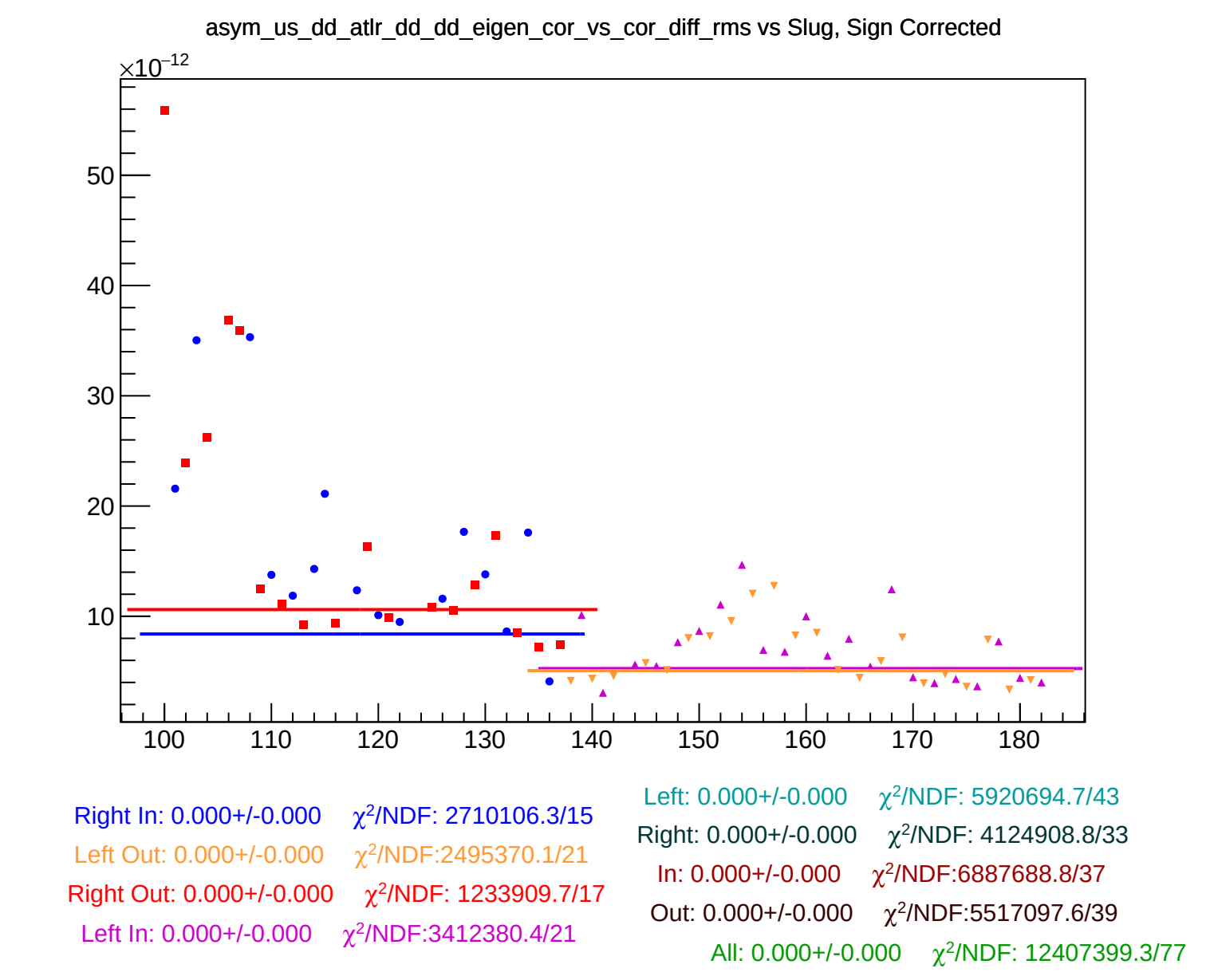
Left: -0.000+/-0.000 χ^2/NDF: 45.1/43

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

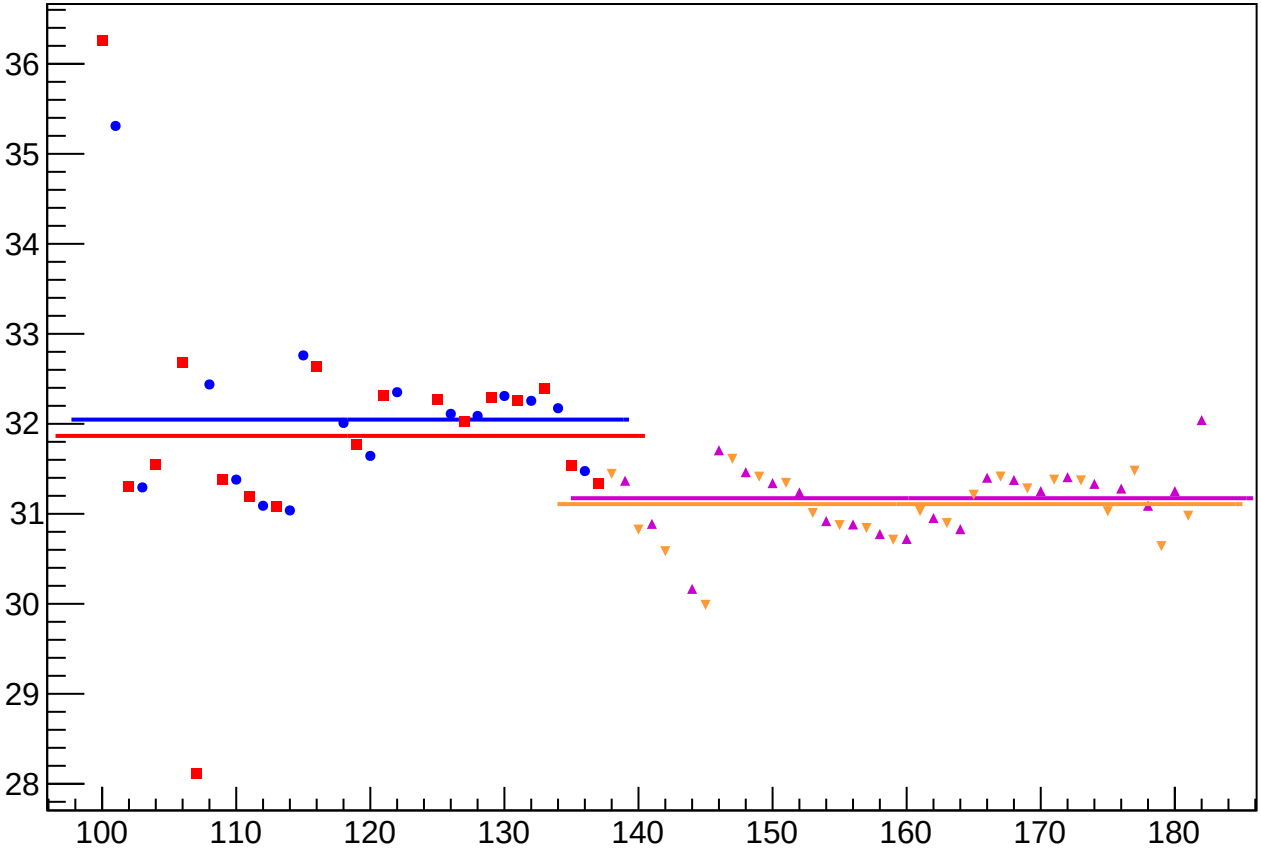
In: -0.000+/-0.000 χ^2/NDF:33.5/37

Out: -0.000+/-0.000 χ^2/NDF:42.1/39

All: -0.000+/-0.000 χ^2/NDF: 75.6/77


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2495370.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:3412380.4/21
Left: 0.000+/-0.000 χ²/NDF: 5920694.7/43
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:6887688.8/37
Out: 0.000+/-0.000 χ²/NDF:5517097.6/39
All: 0.000+/-0.000 χ²/NDF: 12407399.3/77

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.108+/-0.000 χ^2/NDF:316211124.5/21

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.173+/-0.000 χ^2/NDF:368328354.1/21

Left: 31.141+/-0.000 χ^2/NDF: 690369270.9/43

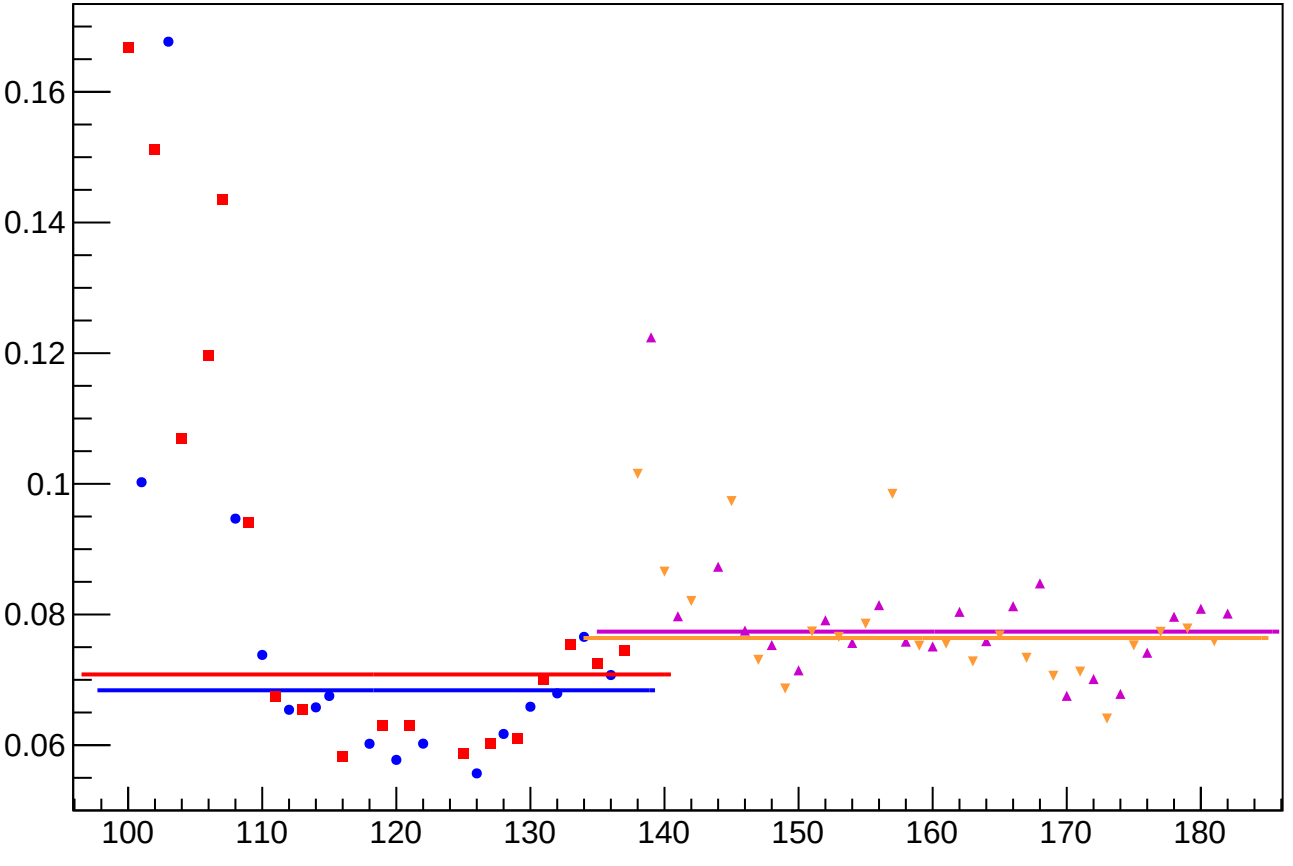
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.462+/-0.000 χ^2/NDF:1951065383.4/37

Out: 31.346+/-0.000 χ^2/NDF:1290913310.6/39

All: 31.405+/-0.000 χ^2/NDF: 3268475351.5/7

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.076+/-0.000 χ^2/NDF:352477.2/21

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.077+/-0.000 χ^2/NDF:360241.1/21

Left: 0.077+/-0.000 χ^2/NDF: 715303.4/43

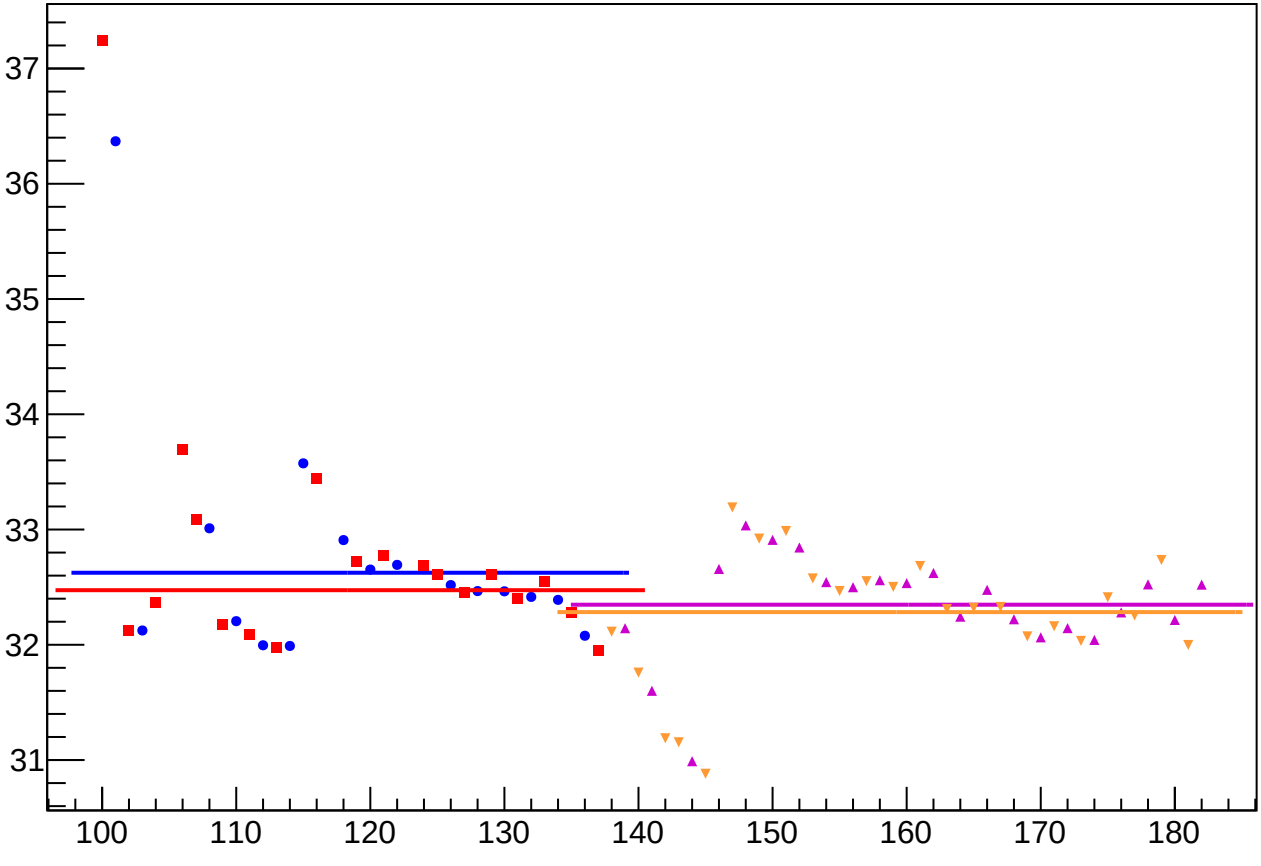
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1208035.1/37

Out: 0.075+/-0.000 χ^2/NDF:1273625.5/39

All: 0.075+/-0.000 χ^2/NDF: 2481871.6/77

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.283+/-0.000 χ^2/NDF:833590859.9/22

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.348+/-0.000 χ^2/NDF:586490392.3/21

Left: 32.316+/-0.000 χ^2/NDF: 1425884715.0/44

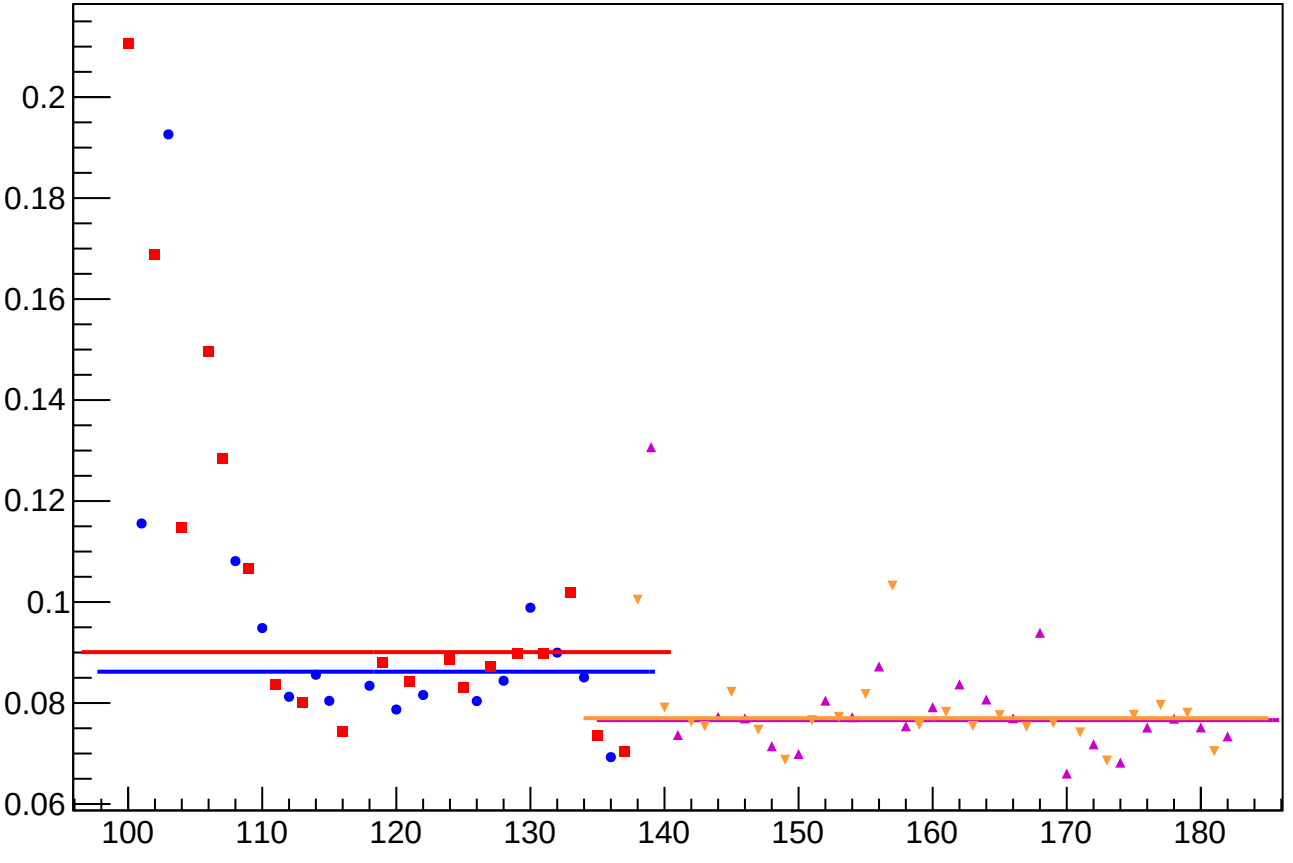
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.412+/-0.000 χ^2/NDF:1375629935.1/37

Out: 32.325+/-0.000 χ^2/NDF:1012759000.5/41

All: 32.369+/-0.000 χ^2/NDF: 2401907503.4/7

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.077+/-0.000 χ^2/NDF:245664.2/22

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.077+/-0.000 χ^2/NDF:476614.3/21

Left: 0.077+/-0.000 χ^2/NDF: 722705.2/44

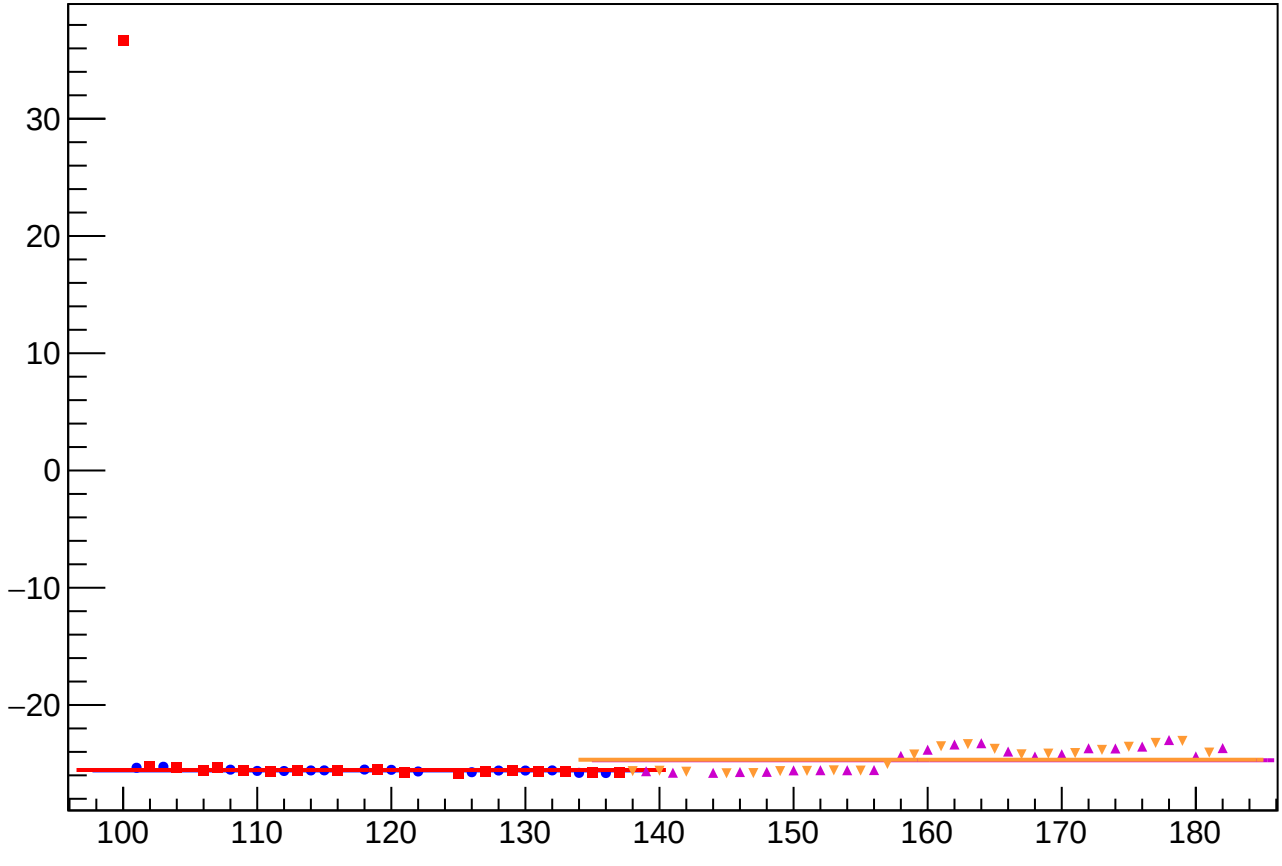
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.079+/-0.000 χ^2/NDF:1195024.1/37

Out: 0.080+/-0.000 χ^2/NDF:1079526.3/41

All: 0.079+/-0.000 χ^2/NDF: 2278630.9/79

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.669+/-0.000 χ^2/NDF:8231668770.7/21

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -24.713+/-0.000 χ^2/NDF:8463881210.2/21

Left: -24.691+/-0.000 χ^2/NDF: 16703735821.8/43

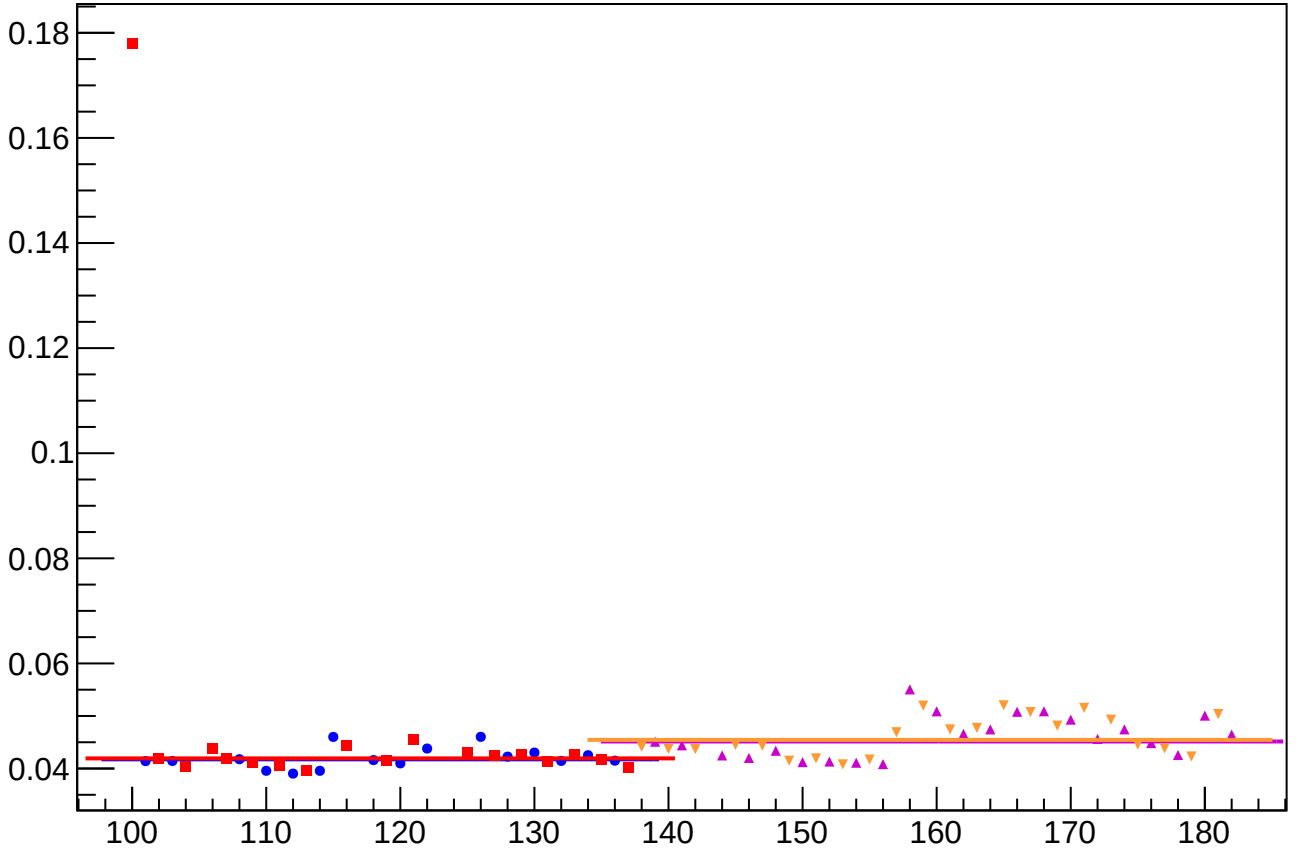
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -24.993+/-0.000 χ^2/NDF:10648957611.2/37

Out: -24.961+/-0.000 χ^2/NDF:19240279354.9/39

All: -24.977+/-0.000 χ^2/NDF: 29895741614.2

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.045+/-0.000 χ^2/NDF:201289.1/21

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.045+/-0.000 χ^2/NDF:240223.1/21

Left: 0.045+/-0.000 χ^2/NDF: 442306.1/43

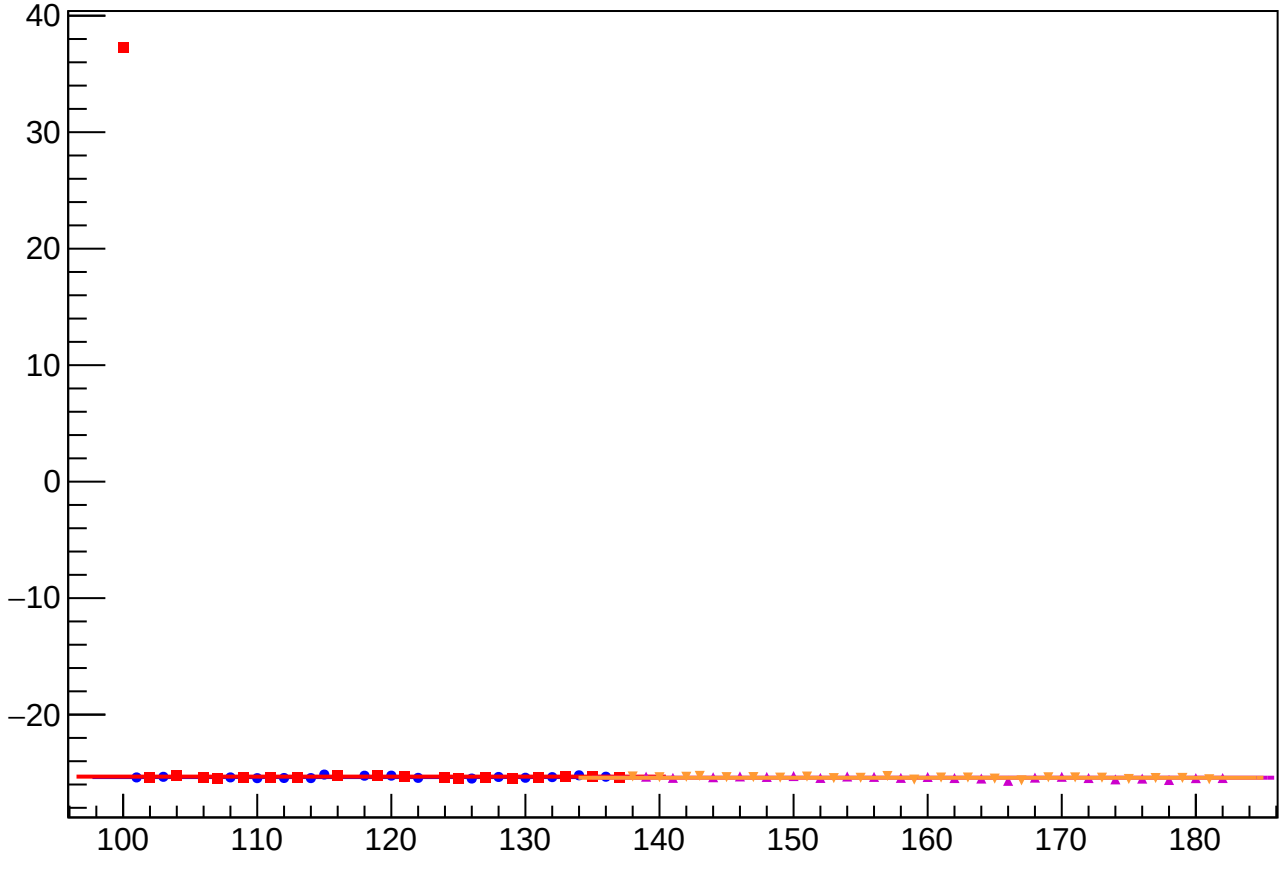
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.044+/-0.000 χ^2/NDF:325128.1/37

Out: 0.044+/-0.000 χ^2/NDF:369568.9/39

All: 0.044+/-0.000 χ^2/NDF: 695358.6/77

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.420+/-0.000 χ^2/NDF:51200499.8/22

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.416+/-0.000 χ^2/NDF:55106681.8/21

Left: -25.418+/-0.000 χ^2/NDF: 106349734.4/44

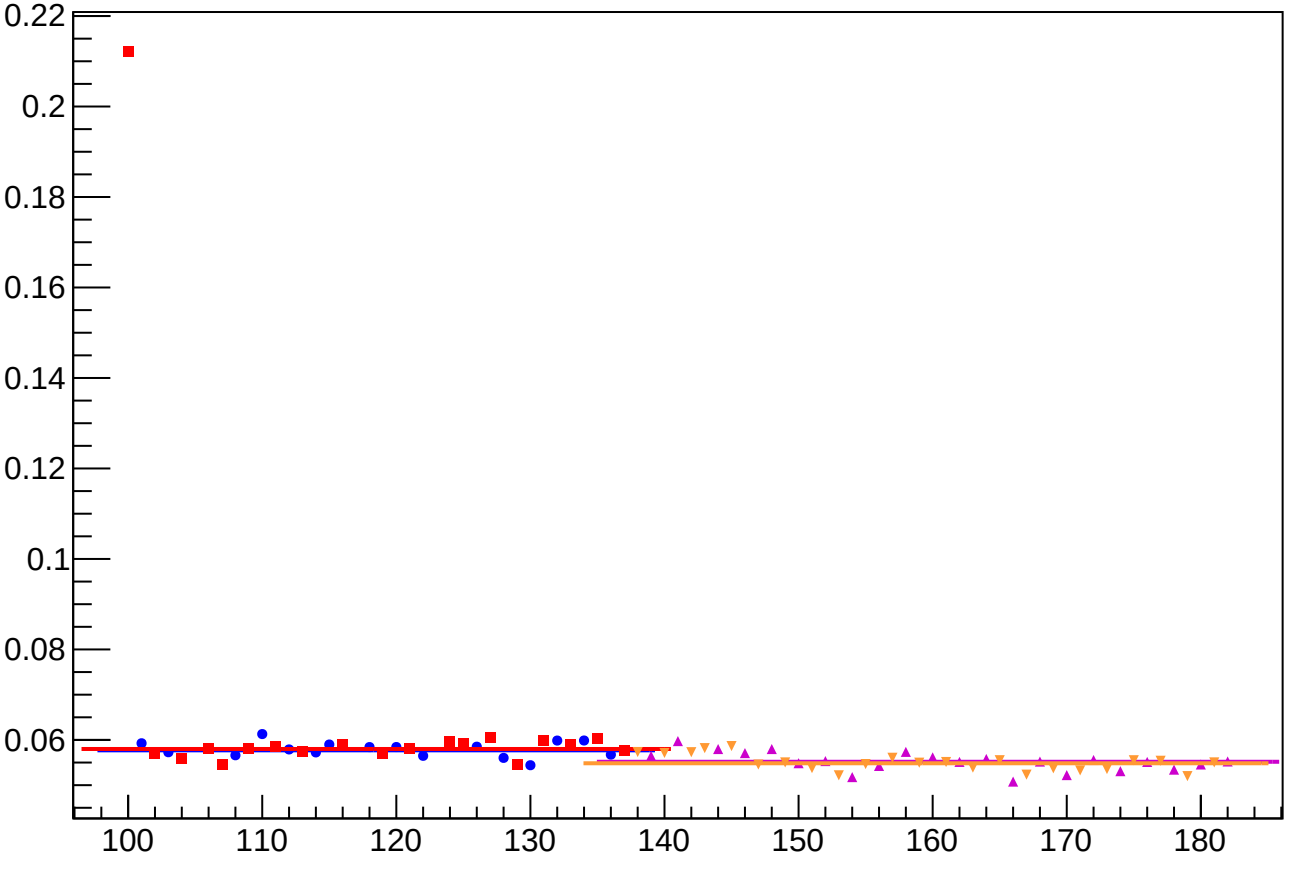
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.401+/-0.000 χ^2/NDF:73127512.9/37

Out: -25.393+/-0.000 χ^2/NDF:6381074881.3/41

All: -25.397+/-0.000 χ^2/NDF: 6454418795.4/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:36615.6/22

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:49279.4/21

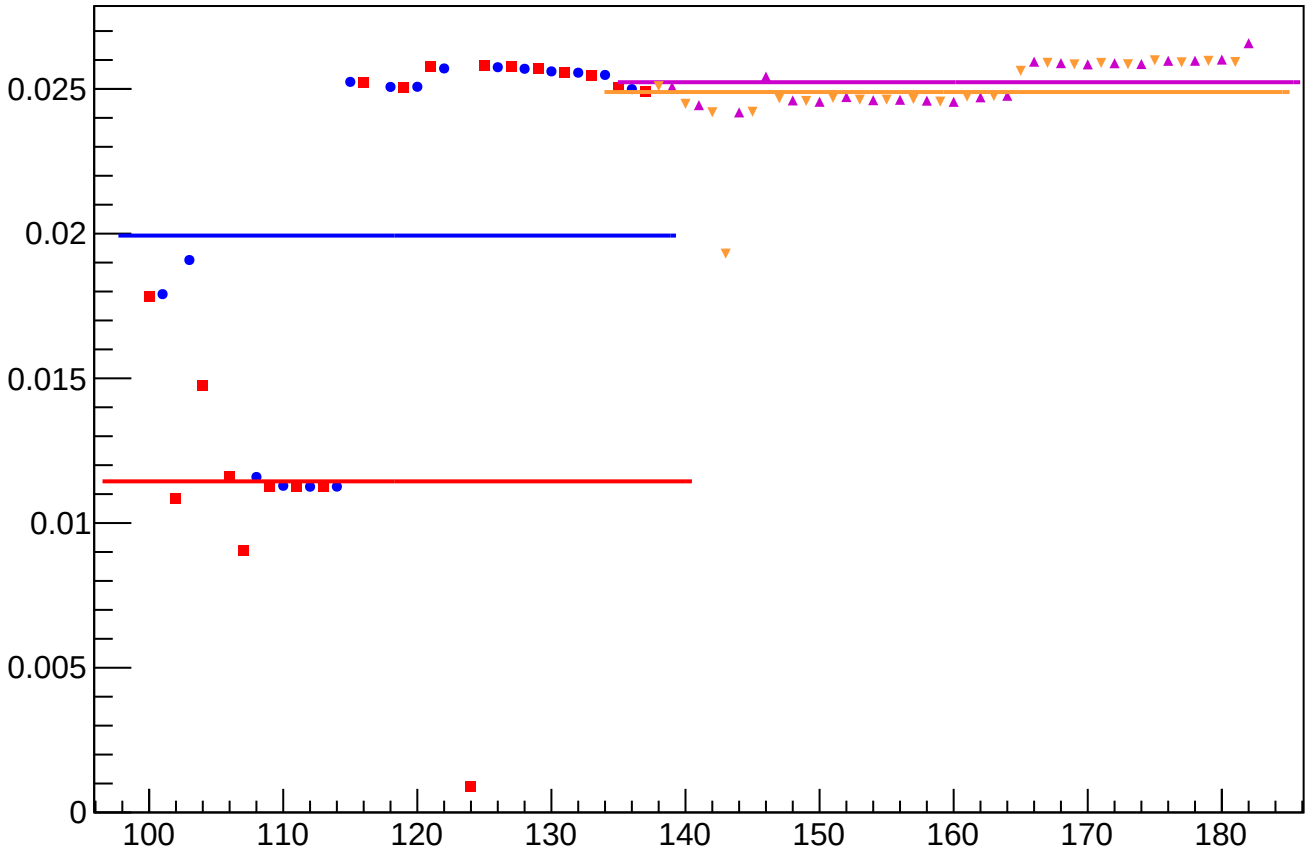
Left: 0.055+/-0.000 χ^2/NDF: 86533.5/44

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.056+/-0.000 χ^2/NDF:80674.0/37

Out: 0.056+/-0.000 χ^2/NDF:156653.6/41

All: 0.056+/-0.000 χ^2/NDF: 237543.2/79



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:7297755620.9/22

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:1766801385.6/21

Left: 0.025+/-0.000 χ^2/NDF: 9274187394.2/44

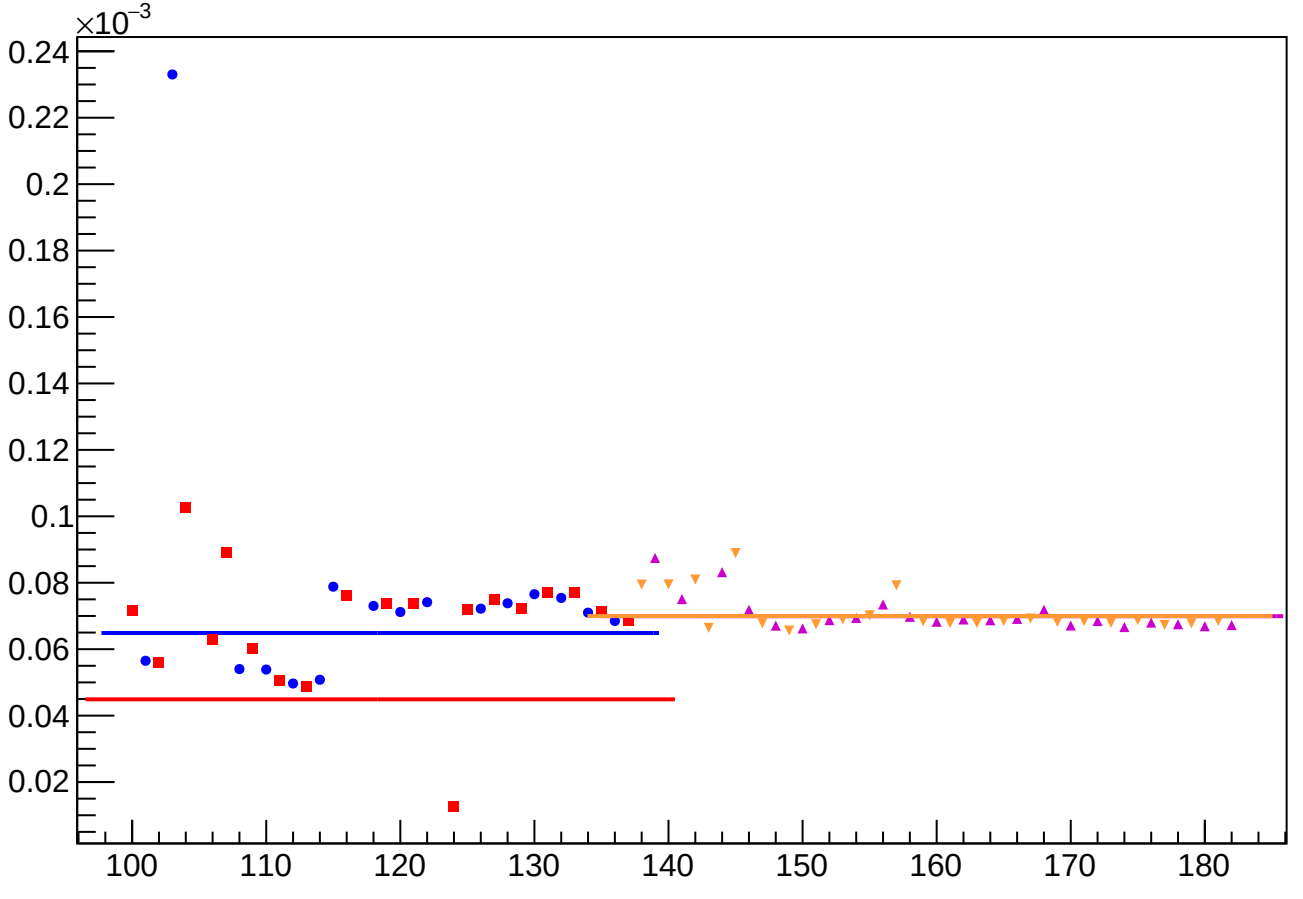
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.024+/-0.000 χ^2/NDF:94804045781.2/37

Out: 0.019+/-0.000 χ^2/NDF:531179036587.7/41

All: 0.021+/-0.000 χ^2/NDF: 676509415286.4

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:181071.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:150791.0/21

Left: 0.000+/-0.000 χ^2/NDF: 331867.9/44

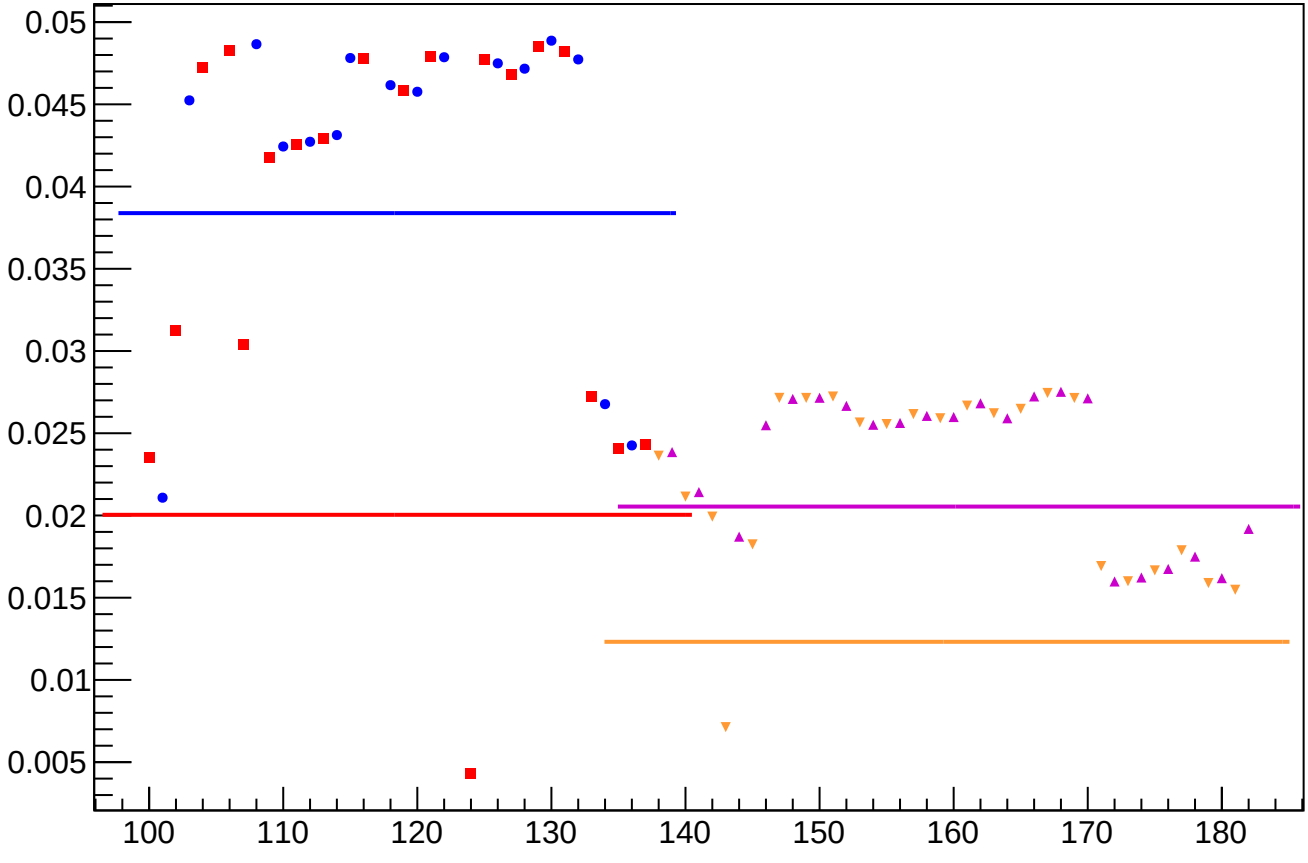
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1023412.9/37

Out: 0.000+/-0.000 χ^2/NDF:5826190.8/41

All: 0.000+/-0.000 χ^2/NDF: 7272928.7/79

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:35888016977.0/22

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.021+/-0.000 χ^2/NDF:6068152867.4/21

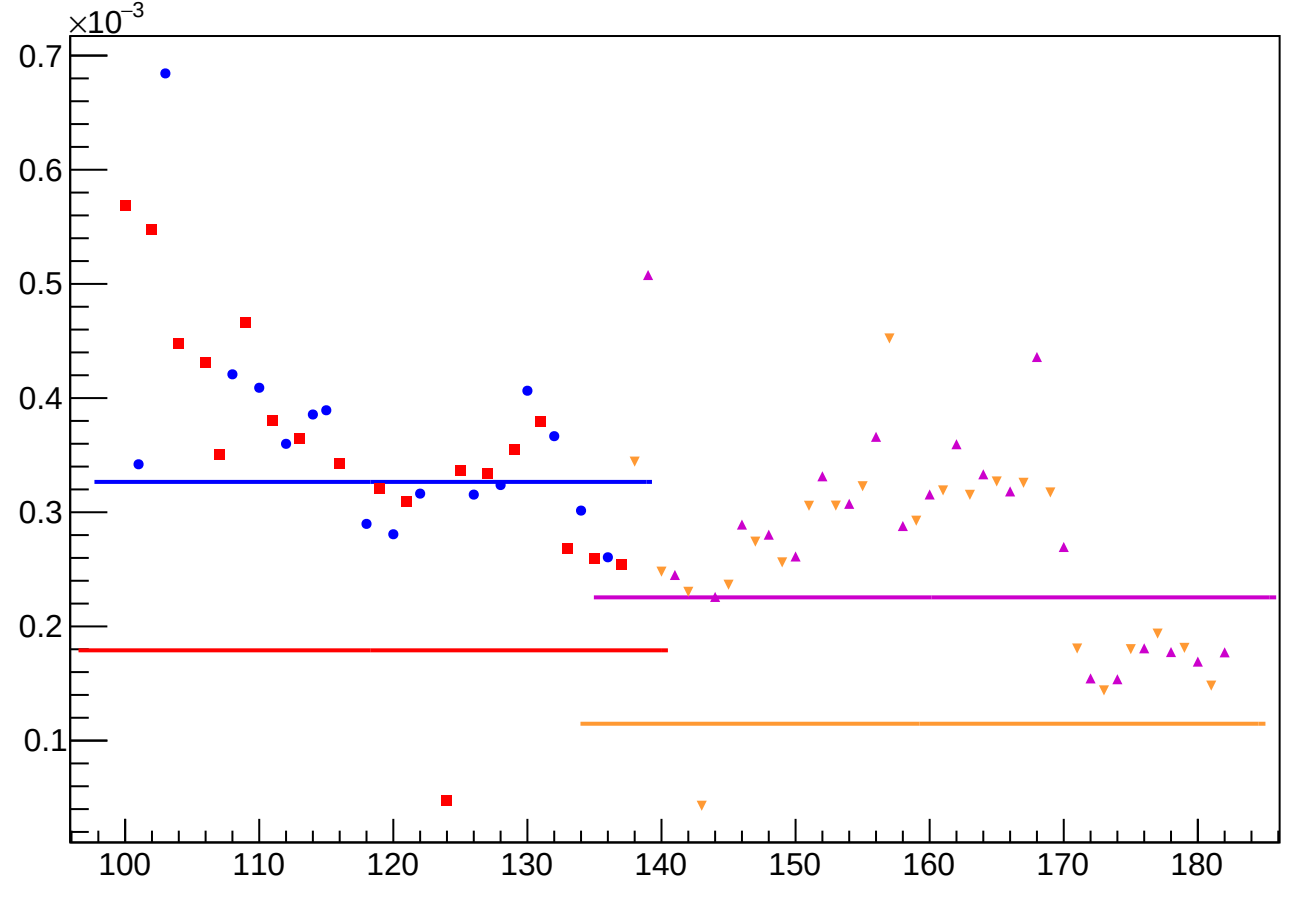
Left: 0.015+/-0.000 χ^2/NDF: 56043802131.0/44

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.024+/-0.000 χ^2/NDF:28824482937.5/37

Out: 0.013+/-0.000 χ^2/NDF:84301299796.9/41

All: 0.016+/-0.000 χ^2/NDF: 138532713339.5



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14126819.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3336486.3/21

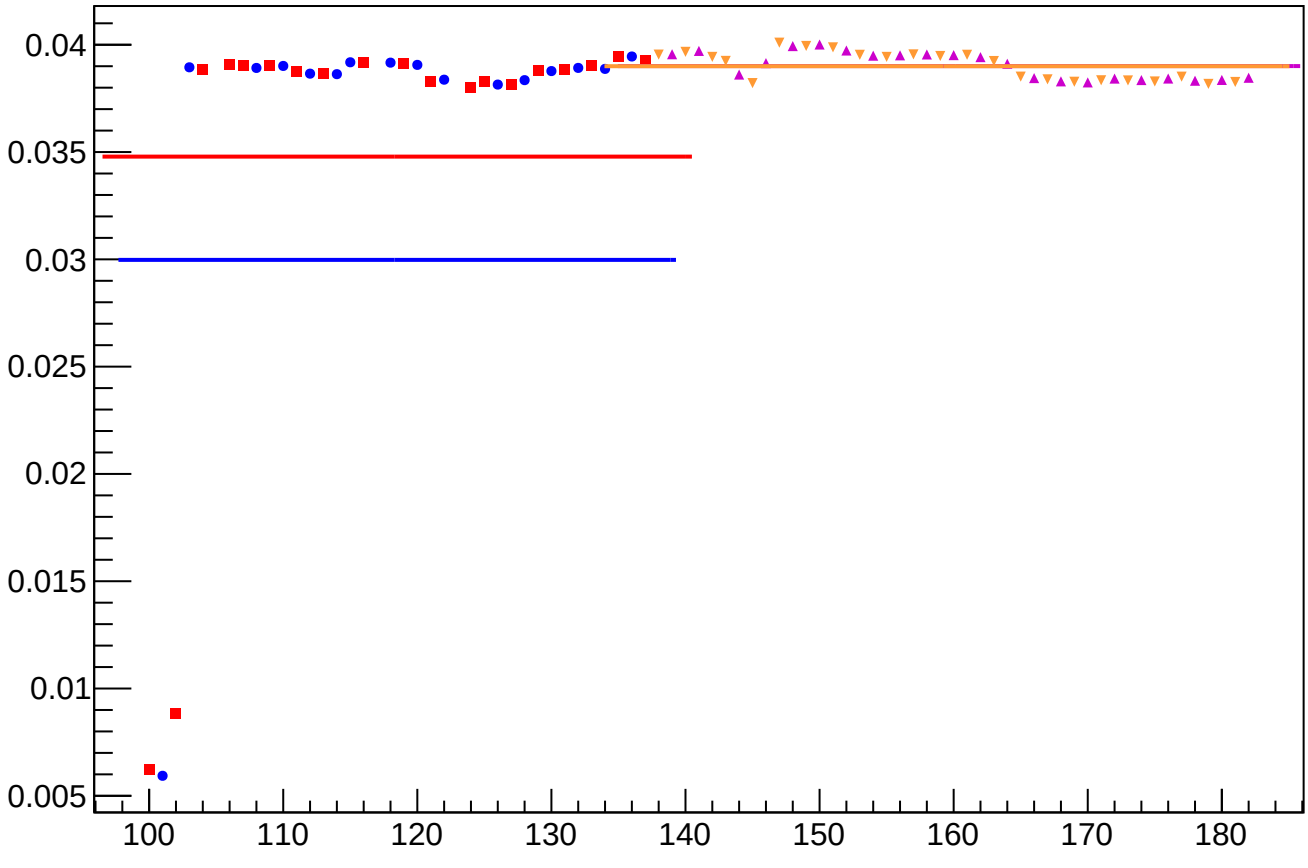
Left: 0.000+/-0.000 χ^2/NDF: 22568276.8/44

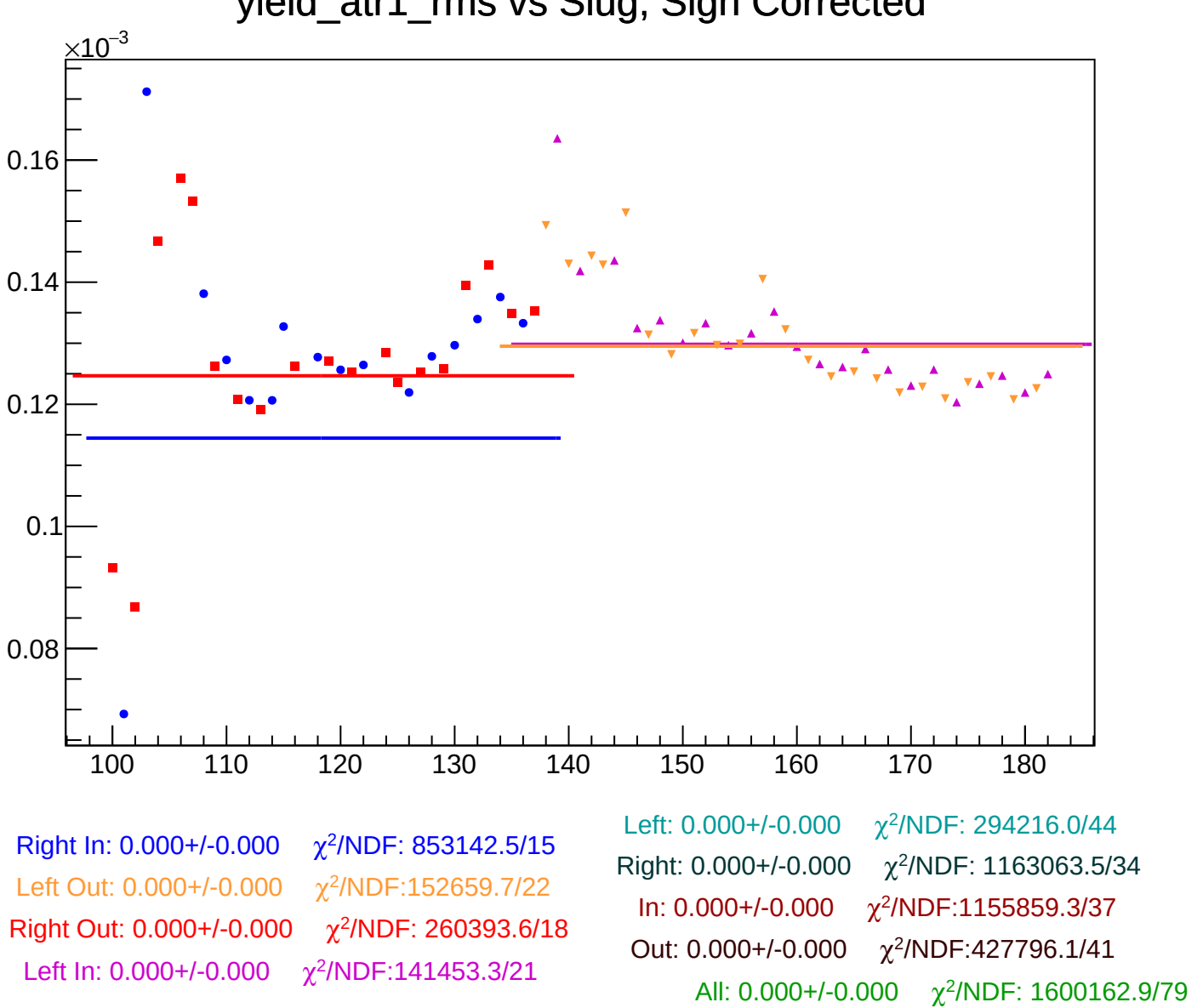
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:4925145.7/37

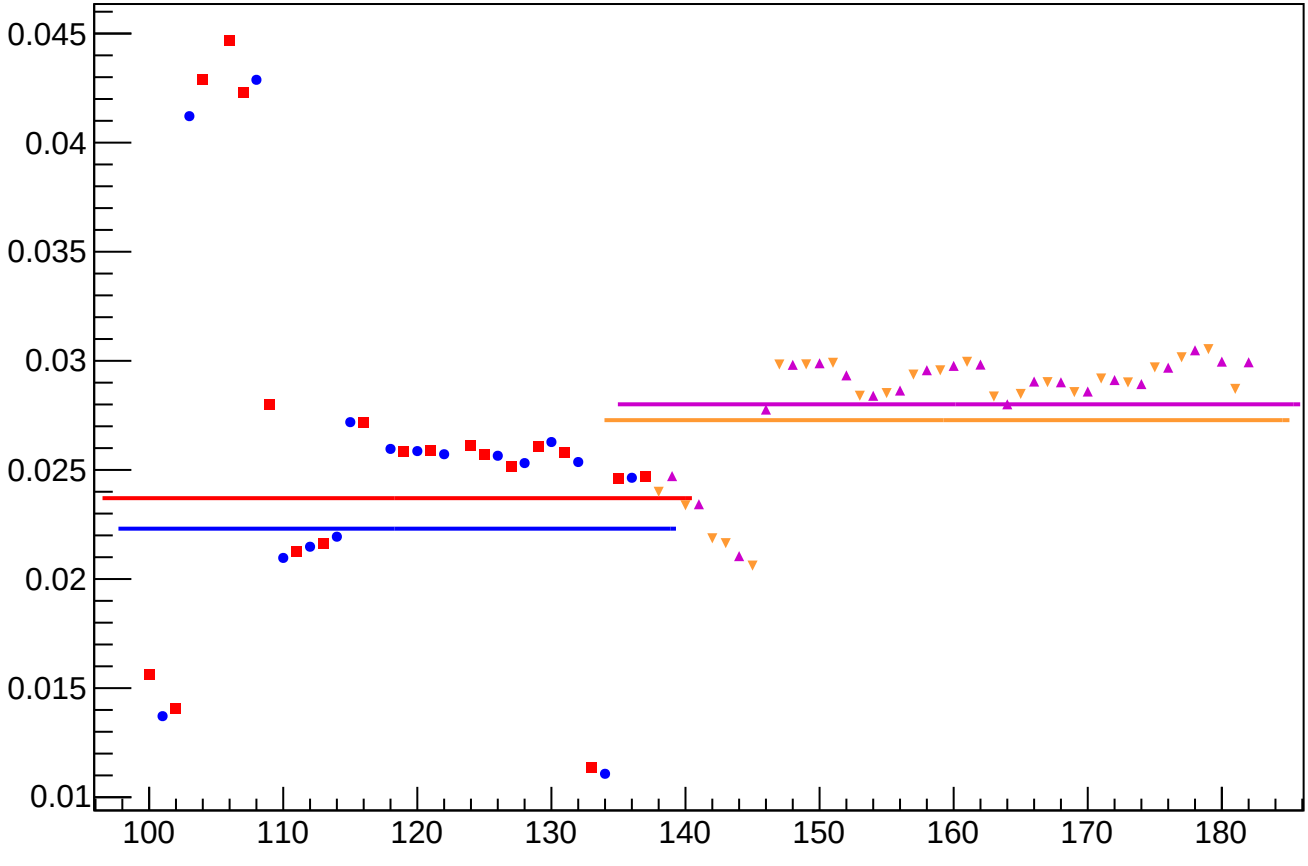
Out: 0.000+/-0.000 χ^2/NDF:20651088.5/41

All: 0.000+/-0.000 χ^2/NDF: 32545919.6/79


yield_atr1_mean vs Slug, Sign Corrected
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.030+/-0.000 χ²/NDF: 108275706275.7/15
Left Out: 0.039+/-0.000 χ²/NDF:464903211.6/22
Right Out: 0.035+/-0.000 χ²/NDF: 47263545471.6/18
Left In: 0.039+/-0.000 χ²/NDF:402497297.6/21
Left: 0.039+/-0.000 χ²/NDF: 867420535.7/44
Right: 0.032+/-0.000 χ²/NDF: 161037517780.6/34
In: 0.036+/-0.000 χ²/NDF:136518510444.0/37
Out: 0.038+/-0.000 χ²/NDF:53304645599.8/41
All: 0.037+/-0.000 χ²/NDF: 192043822016.8


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 853142.5/15
Left Out: 0.000+/-0.000 χ²/NDF:152659.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 260393.6/18
Left In: 0.000+/-0.000 χ²/NDF:141453.3/21
Left: 0.000+/-0.000 χ²/NDF: 294216.0/44
Right: 0.000+/-0.000 χ²/NDF: 1163063.5/34
In: 0.000+/-0.000 χ²/NDF:1155859.3/37
Out: 0.000+/-0.000 χ²/NDF:427796.1/41
All: 0.000+/-0.000 χ²/NDF: 1600162.9/79

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:2172922626.2/22

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.028+/-0.000 χ^2/NDF:1483035646.4/21

Left: 0.028+/-0.000 χ^2/NDF: 3706893590.9/44

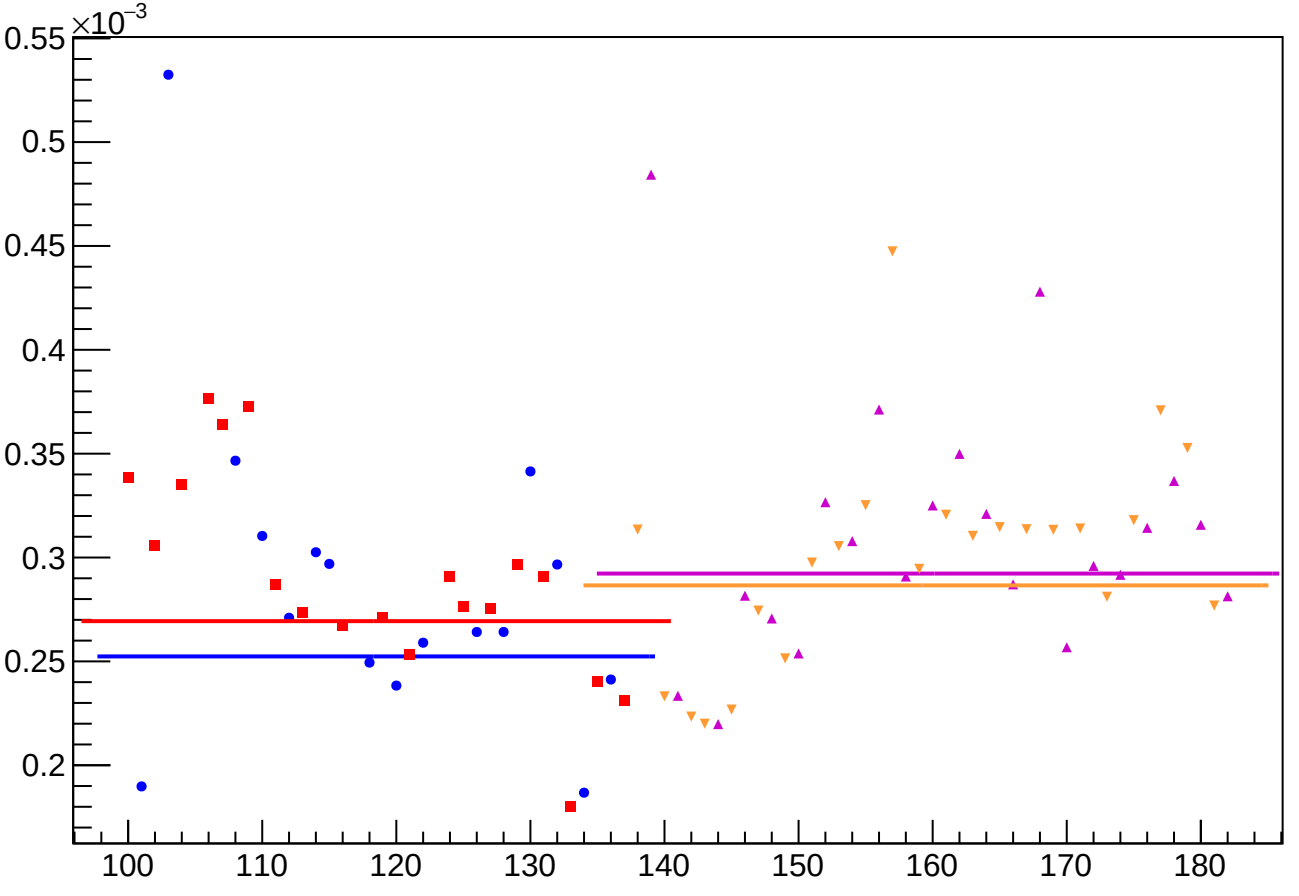
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.026+/-0.000 χ^2/NDF:8597186110.0/37

Out: 0.026+/-0.000 χ^2/NDF:8539022432.8/41

All: 0.026+/-0.000 χ^2/NDF: 17137657305.8/7

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:814425.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:970274.2/21

Left: 0.000+/-0.000 χ^2/NDF: 1790949.4/44

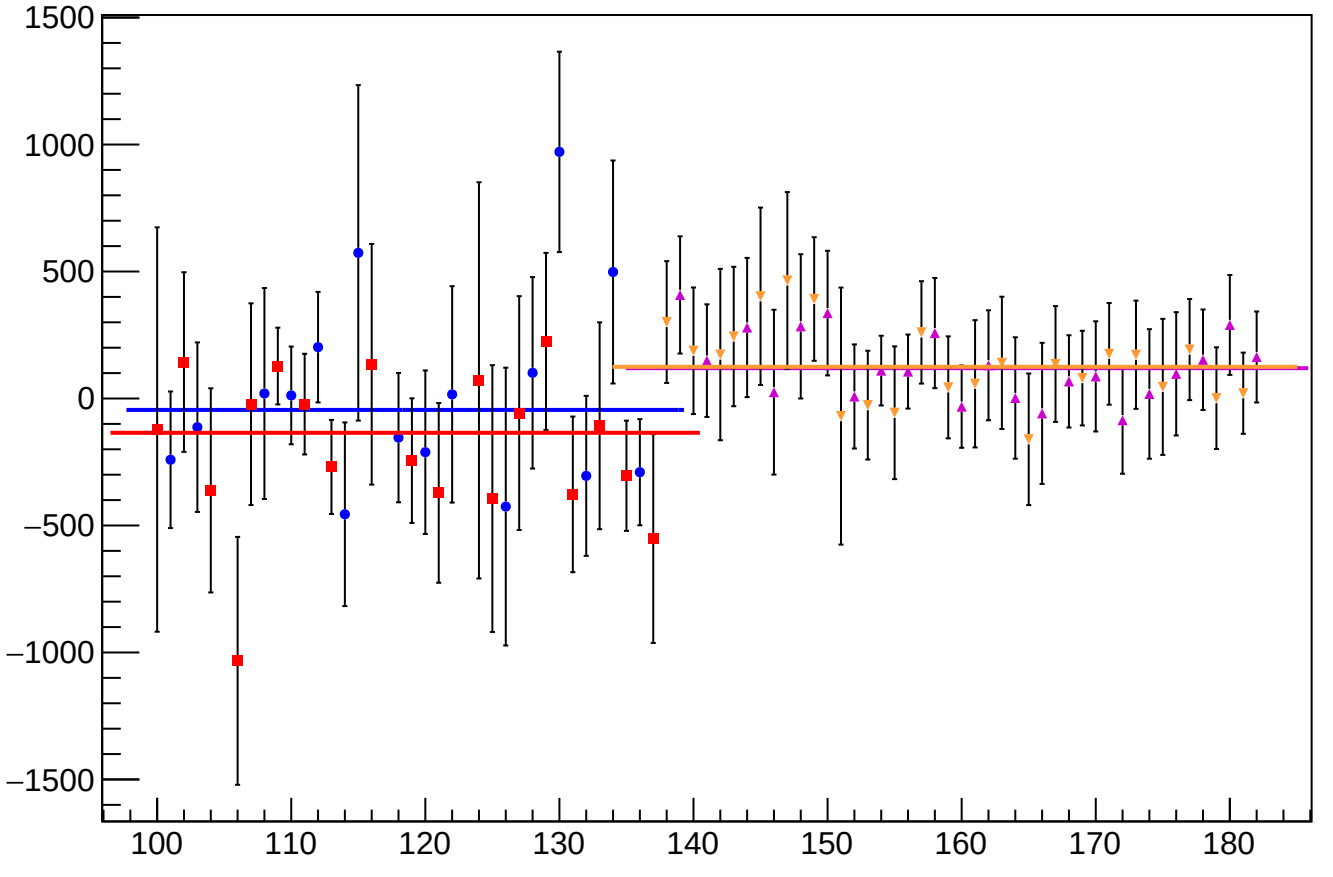
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1884030.0/37

Out: 0.000+/-0.000 χ^2/NDF:1297149.6/41

All: 0.000+/-0.000 χ^2/NDF: 3183022.9/79

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: 124.678+/-48.651 χ^2/NDF:7.8/22

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 119.365+/-44.069 χ^2/NDF:7.4/21

Left: 121.760+/-32.662 χ^2/NDF: 15.2/44

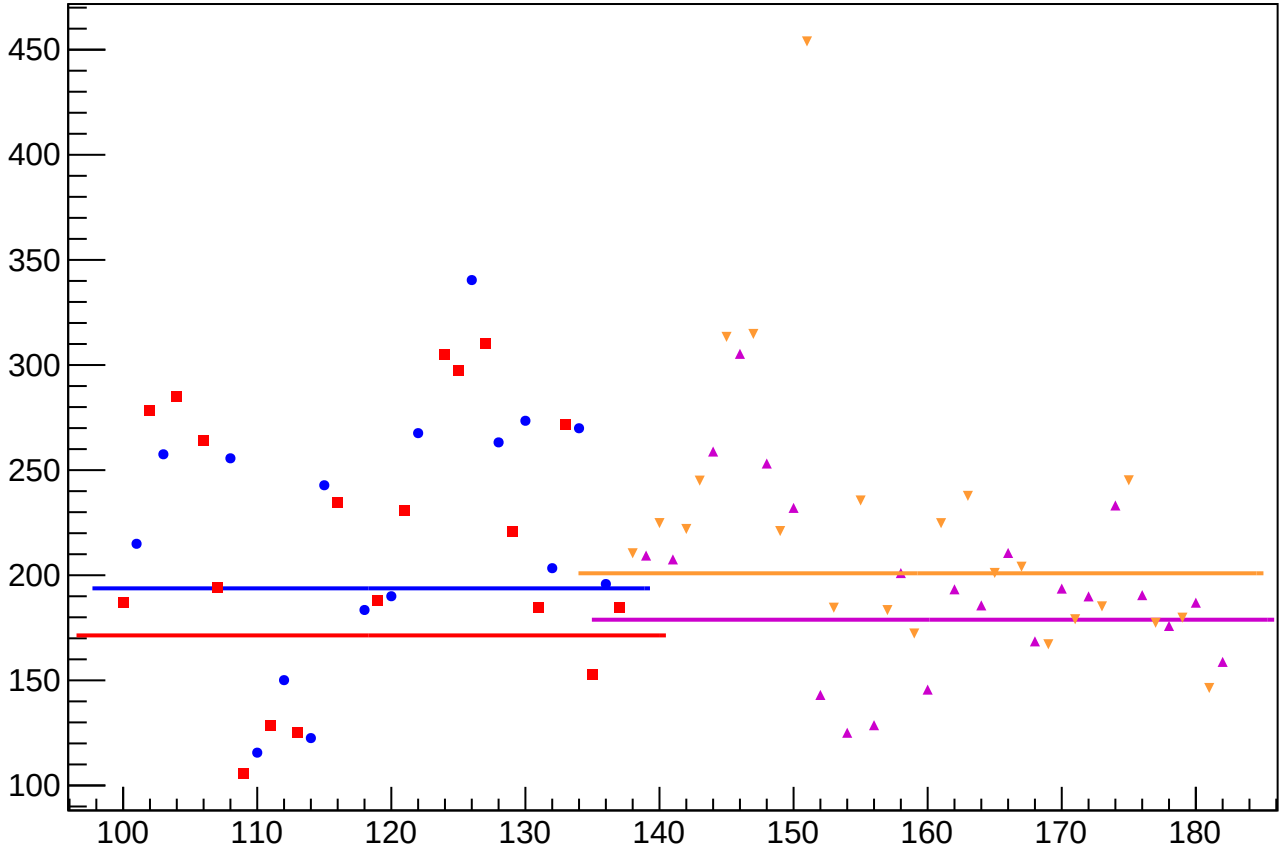
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 78.188+/-38.148 χ^2/NDF:26.4/37

Out: 36.866+/-39.579 χ^2/NDF:30.4/41

All: 58.287+/-27.467 χ^2/NDF: 57.3/79

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: 200.929+/-0.034 χ^2/NDF:1615143.5/22

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 178.848+/-0.031 χ^2/NDF:1665544.3/21

Left: 188.800+/-0.023 χ^2/NDF: 3507002.9/44

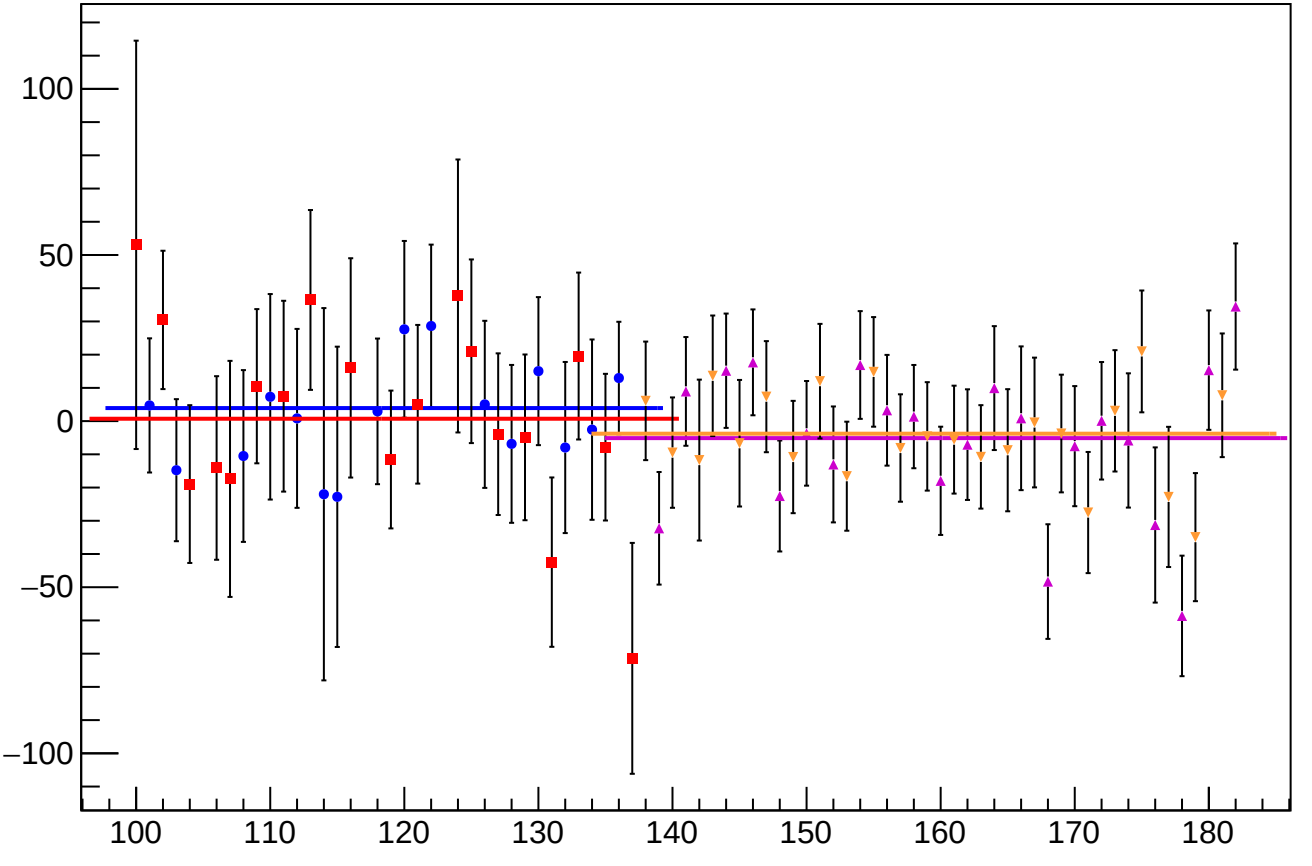
Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 182.587+/-0.027 χ^2/NDF:2771098.5/37

Out: 190.937+/-0.028 χ^2/NDF:3522691.1/41

All: 186.609+/-0.019 χ^2/NDF: 6339936.1/79

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: -3.786+/-3.697 χ^2/NDF:12.7/22

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -5.121+/-3.722 χ^2/NDF:33.7/21

Left: -4.449+/-2.623 χ^2/NDF: 46.4/44

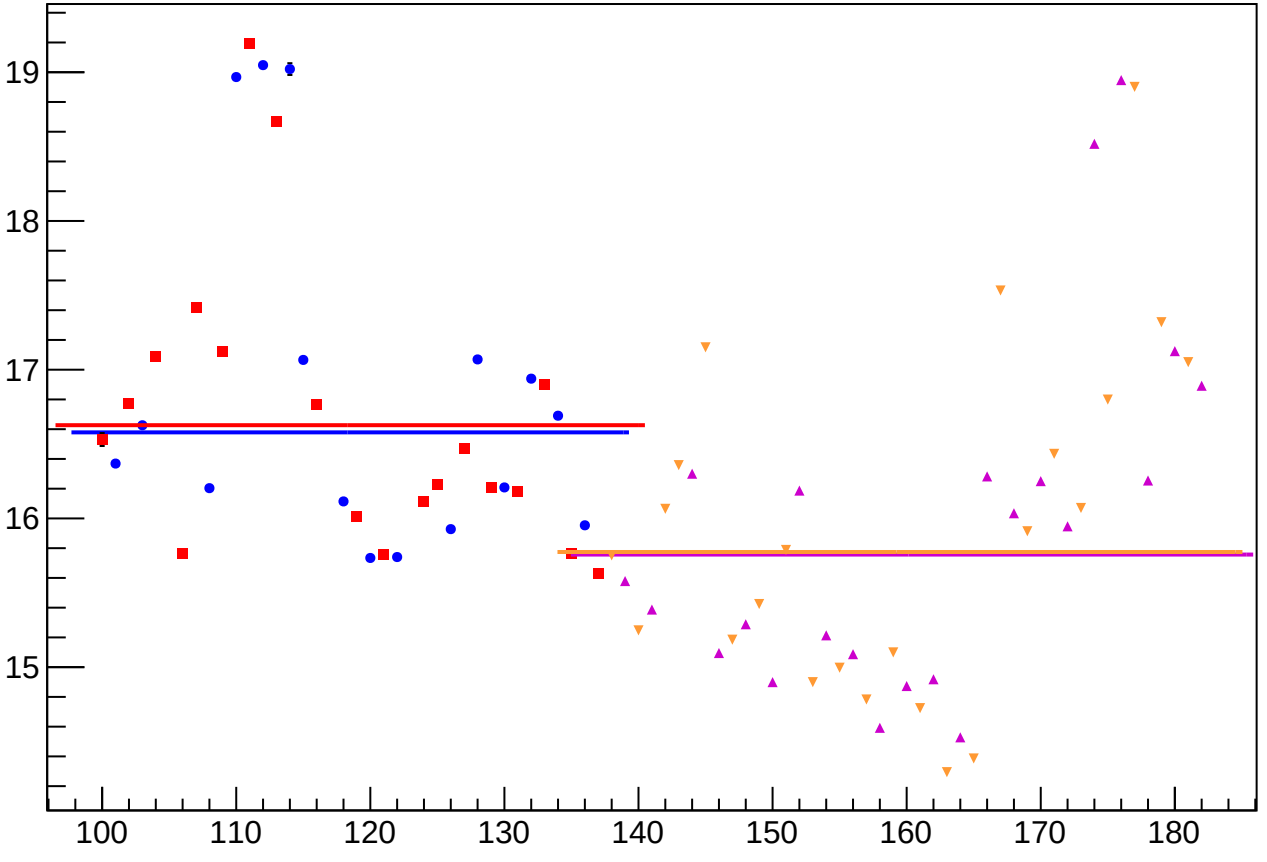
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -2.708+/-3.188 χ^2/NDF:39.7/37

Out: -2.571+/-3.158 χ^2/NDF:29.0/41

All: -2.639+/-2.244 χ^2/NDF: 68.7/79

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: 15.774+/-0.003 χ^2/NDF:168982.7/22

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.757+/-0.003 χ^2/NDF:150076.4/21

Left: 15.766+/-0.002 χ^2/NDF: 319080.8/44

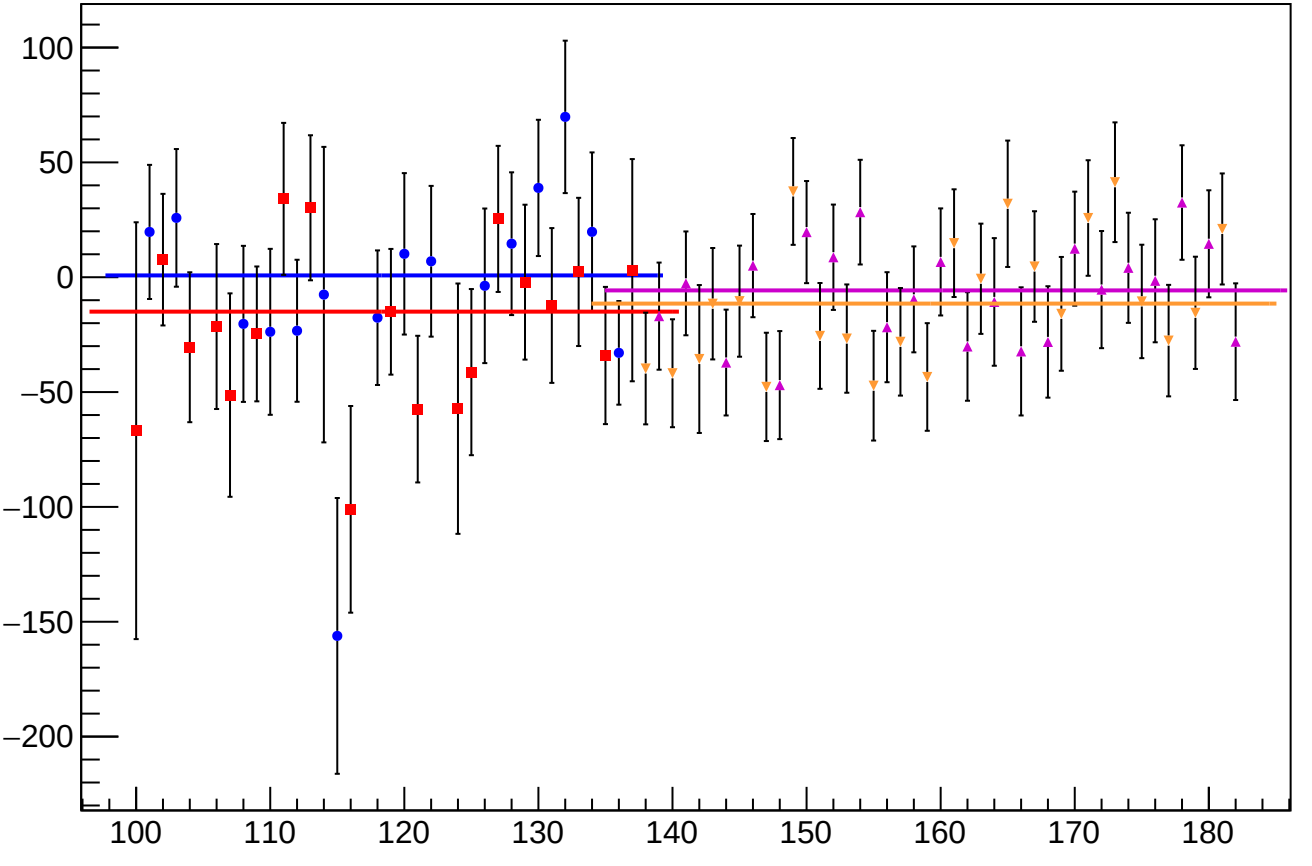
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.976+/-0.002 χ^2/NDF:220639.9/37

Out: 16.005+/-0.002 χ^2/NDF:241177.3/41

All: 15.991+/-0.002 χ^2/NDF: 461897.6/79

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: -11.478+/-5.089 χ^2/NDF:28.8/22

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -5.737+/-5.120 χ^2/NDF:17.6/21

Left: -8.625+/-3.609 χ^2/NDF: 47.0/44

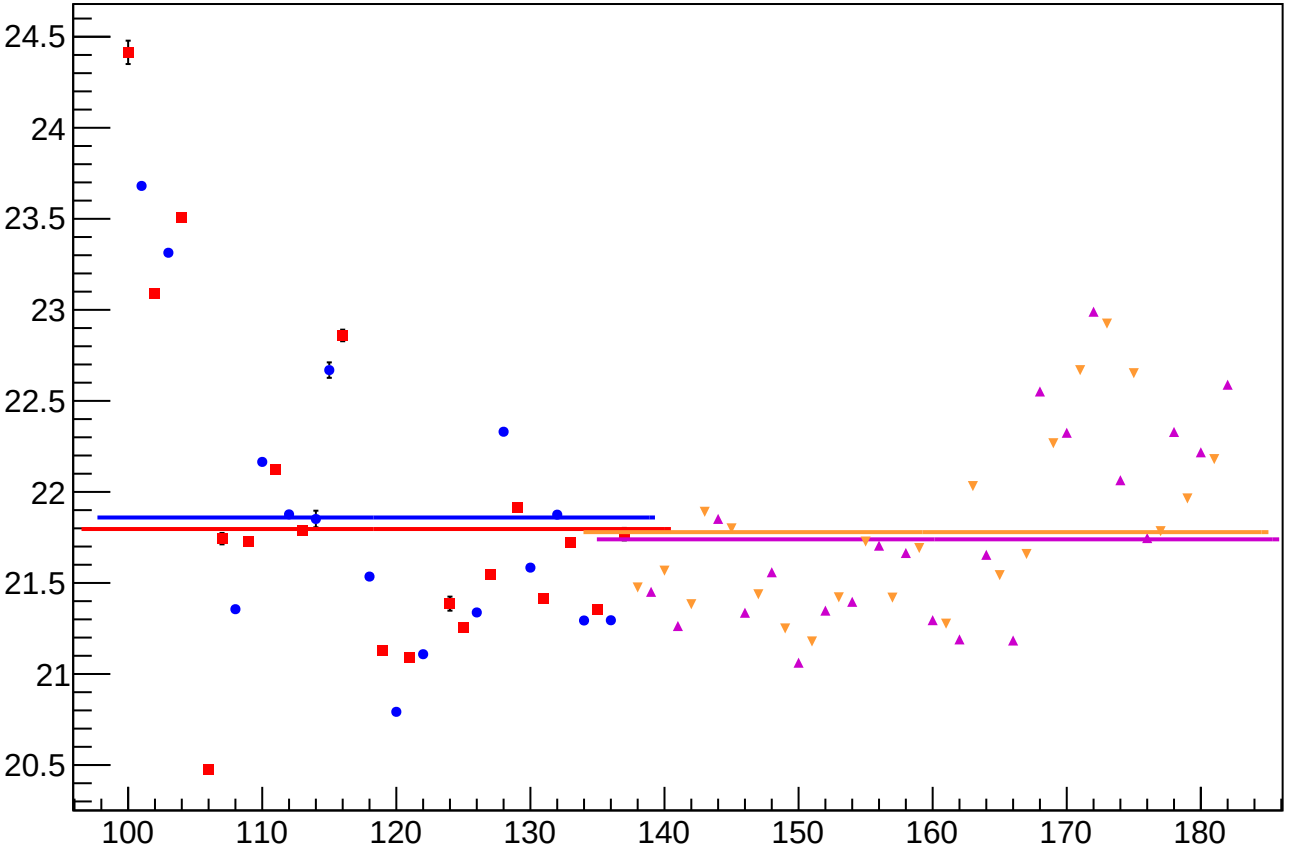
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -3.882+/-4.332 χ^2/NDF:36.7/37

Out: -12.496+/-4.287 χ^2/NDF:44.3/41

All: -8.234+/-3.047 χ^2/NDF: 83.0/79

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: 21.779+/-0.004 χ^2/NDF:16247.5/22

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.740+/-0.004 χ^2/NDF:20266.2/21

Left: 21.759+/-0.003 χ^2/NDF: 36573.9/44

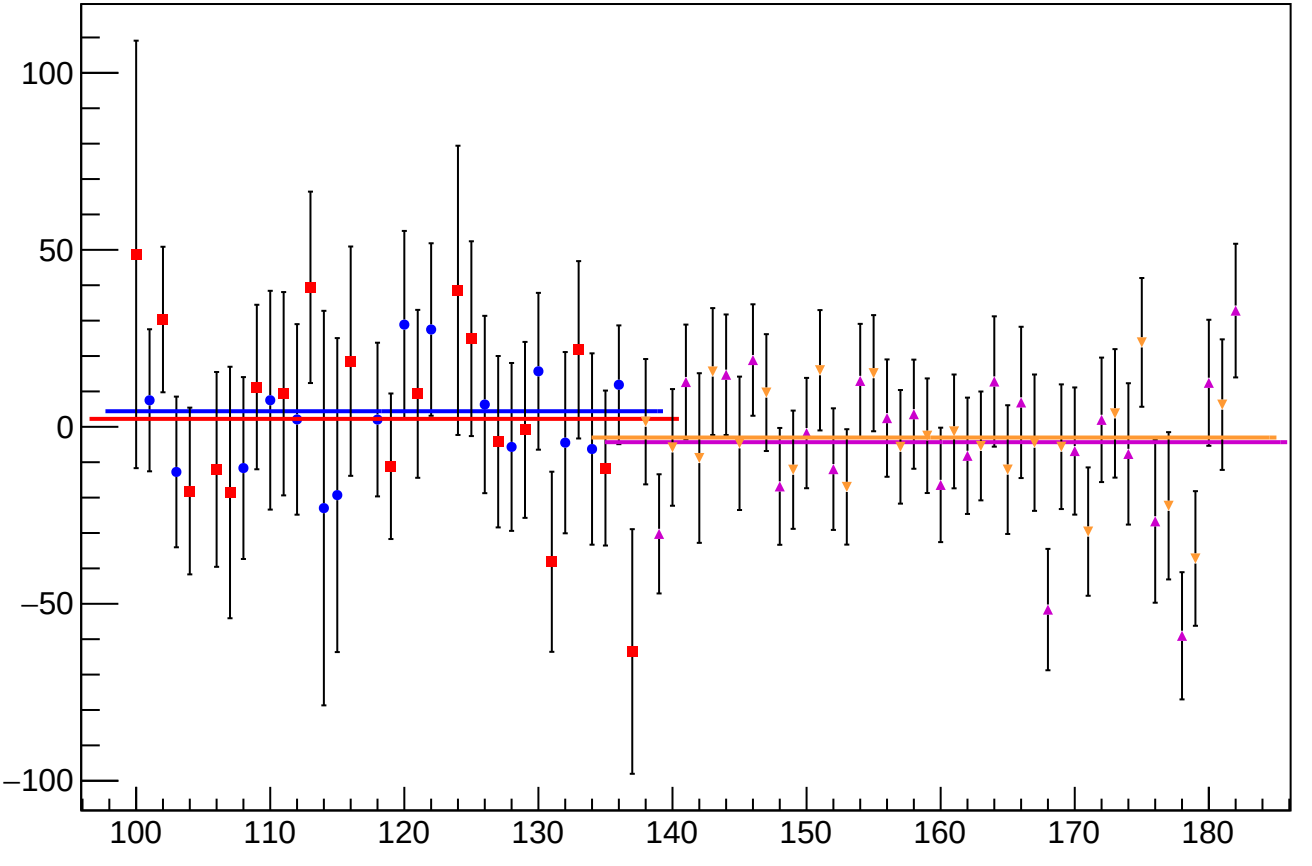
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.774+/-0.003 χ^2/NDF:40046.7/37

Out: 21.784+/-0.003 χ^2/NDF:35115.4/41

All: 21.779+/-0.002 χ^2/NDF: 75168.0/79

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: -3.021+/-3.662 χ^2/NDF:14.5/22

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -4.339+/-3.687 χ^2/NDF:33.8/21

Left: -3.676+/-2.598 χ^2/NDF: 48.3/44

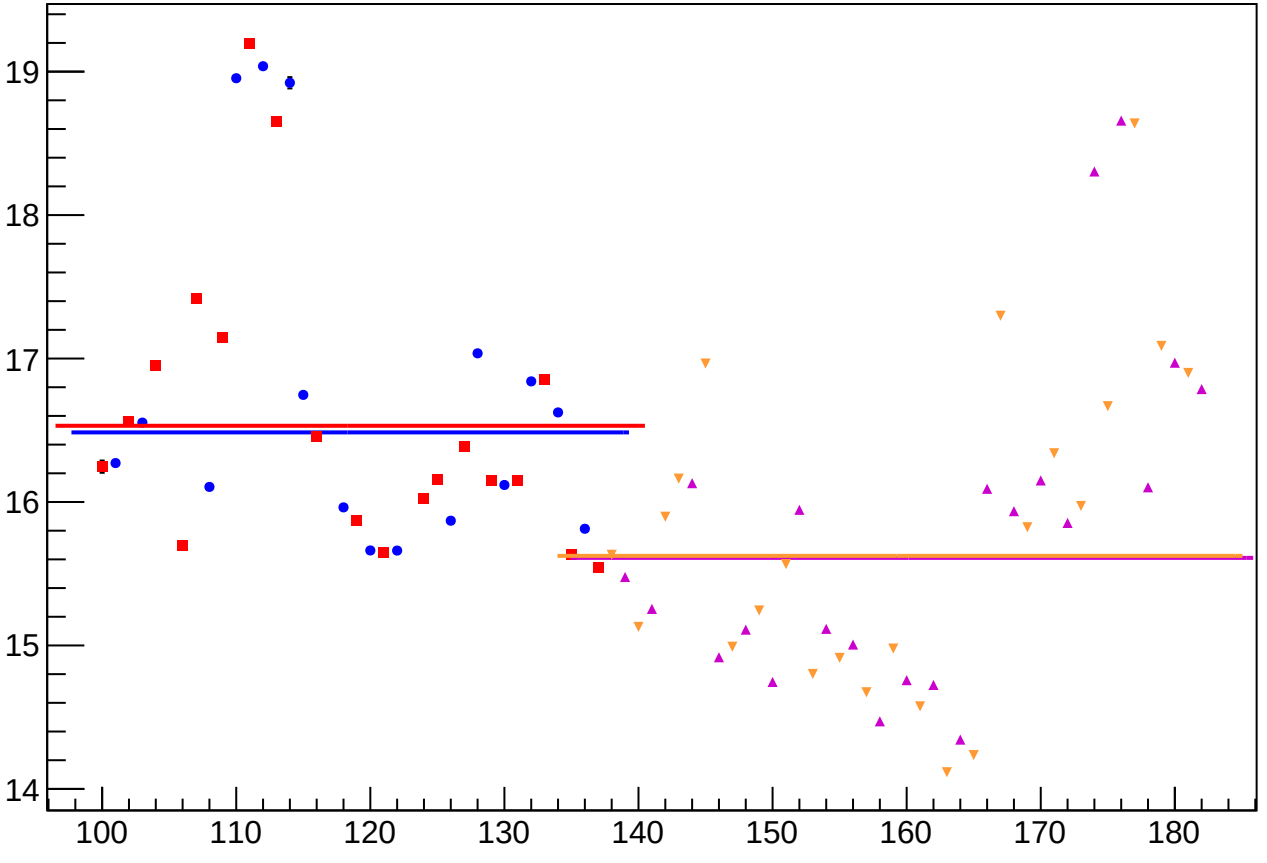
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: -2.020+/-3.161 χ^2/NDF:39.6/37

Out: -1.607+/-3.132 χ^2/NDF:30.4/41

All: -1.812+/-2.225 χ^2/NDF: 70.0/79

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: 15.625+/-0.003 χ^2/NDF:165647.6/22

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.610+/-0.003 χ^2/NDF:148271.3/21

Left: 15.618+/-0.002 χ^2/NDF: 313933.6/44

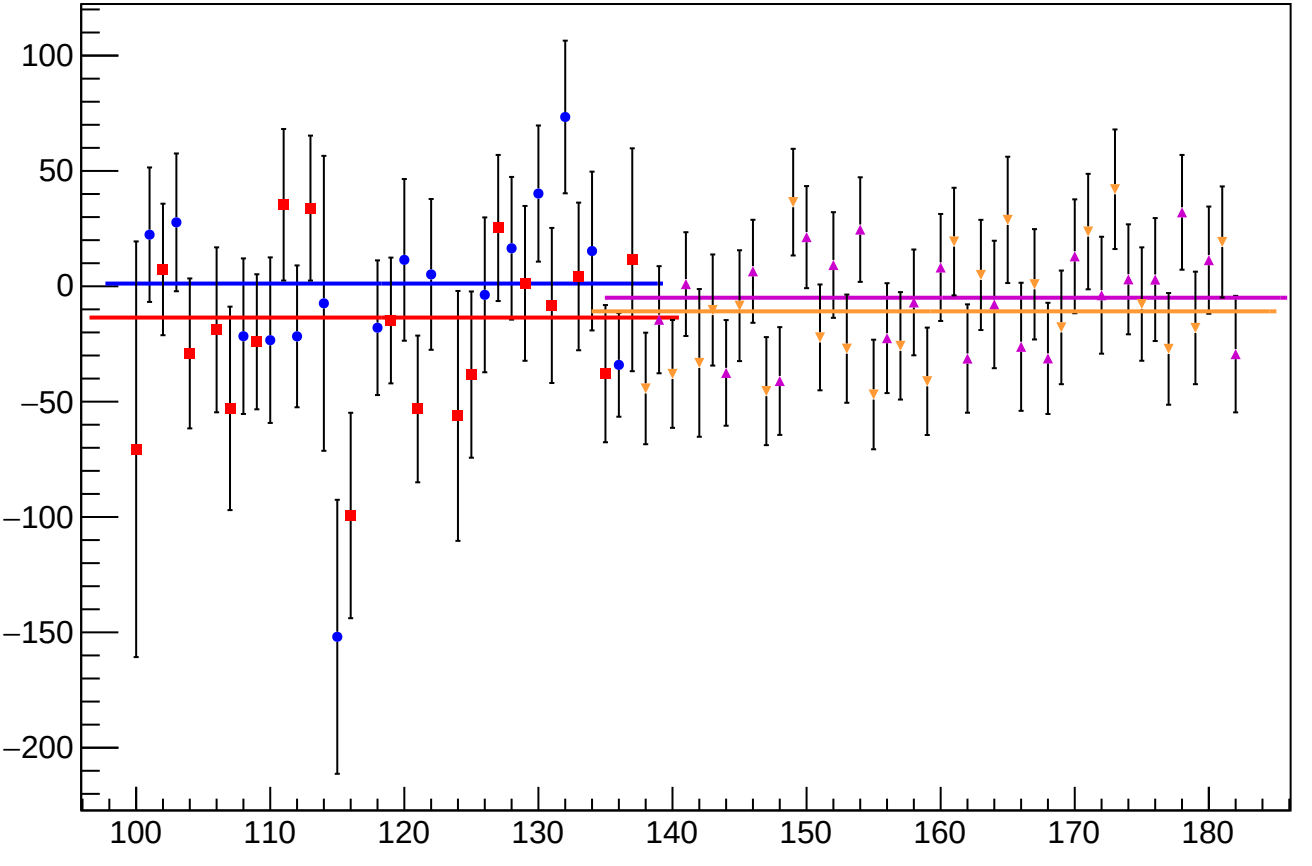
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.842+/-0.002 χ^2/NDF:225304.5/37

Out: 15.868+/-0.002 χ^2/NDF:245060.4/41

All: 15.855+/-0.002 χ^2/NDF: 470431.4/79

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: -10.851+/-5.062 χ^2/NDF:28.0/22

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -4.954+/-5.093 χ^2/NDF:16.7/21

Left: -7.921+/-3.590 χ^2/NDF: 45.4/44

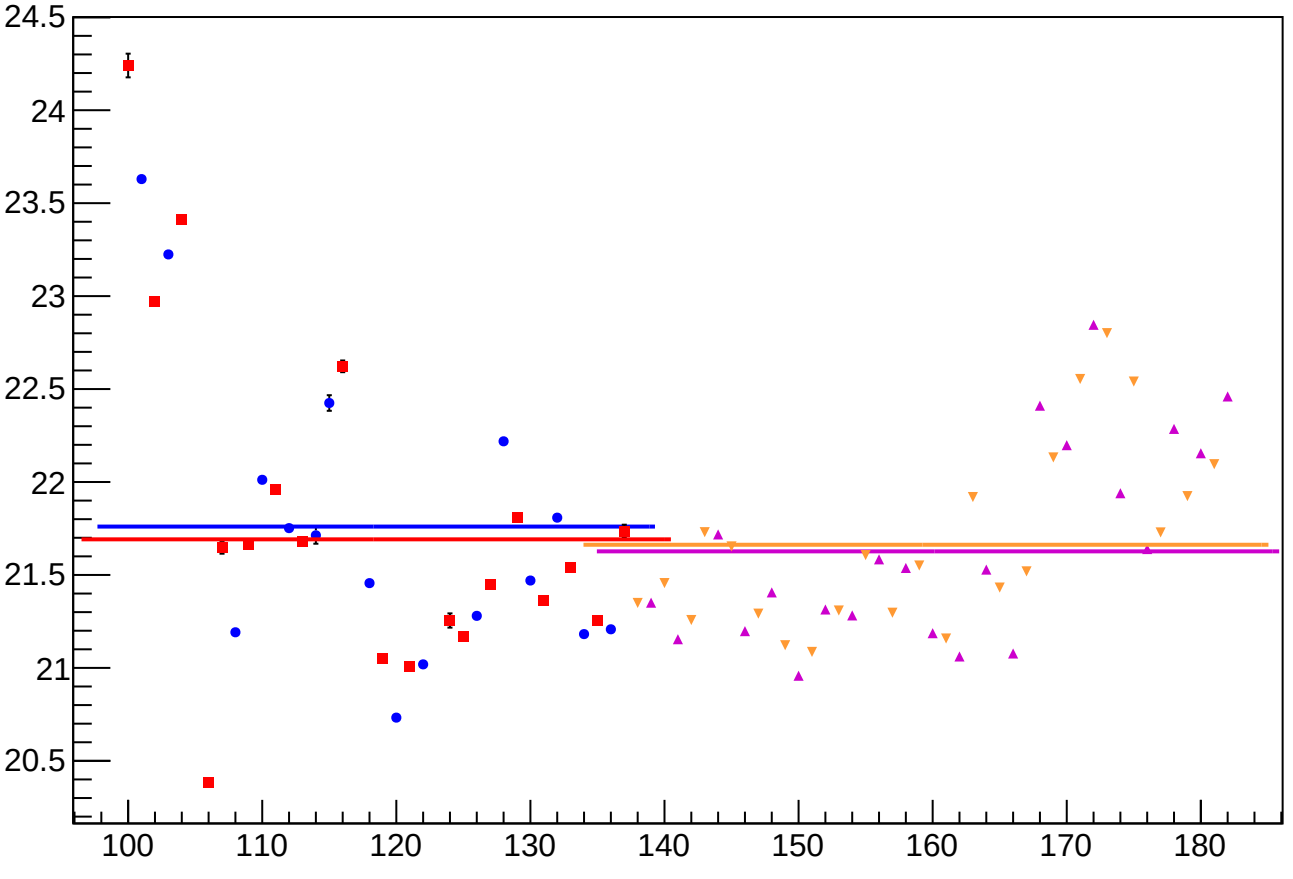
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -3.211+/-4.310 χ^2/NDF:36.5/37

Out: -11.634+/-4.264 χ^2/NDF:44.0/41

All: -7.468+/-3.031 χ^2/NDF: 82.4/79

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: 21.662+/-0.004 χ^2/NDF:16639.2/22

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.627+/-0.004 χ^2/NDF:20273.5/21

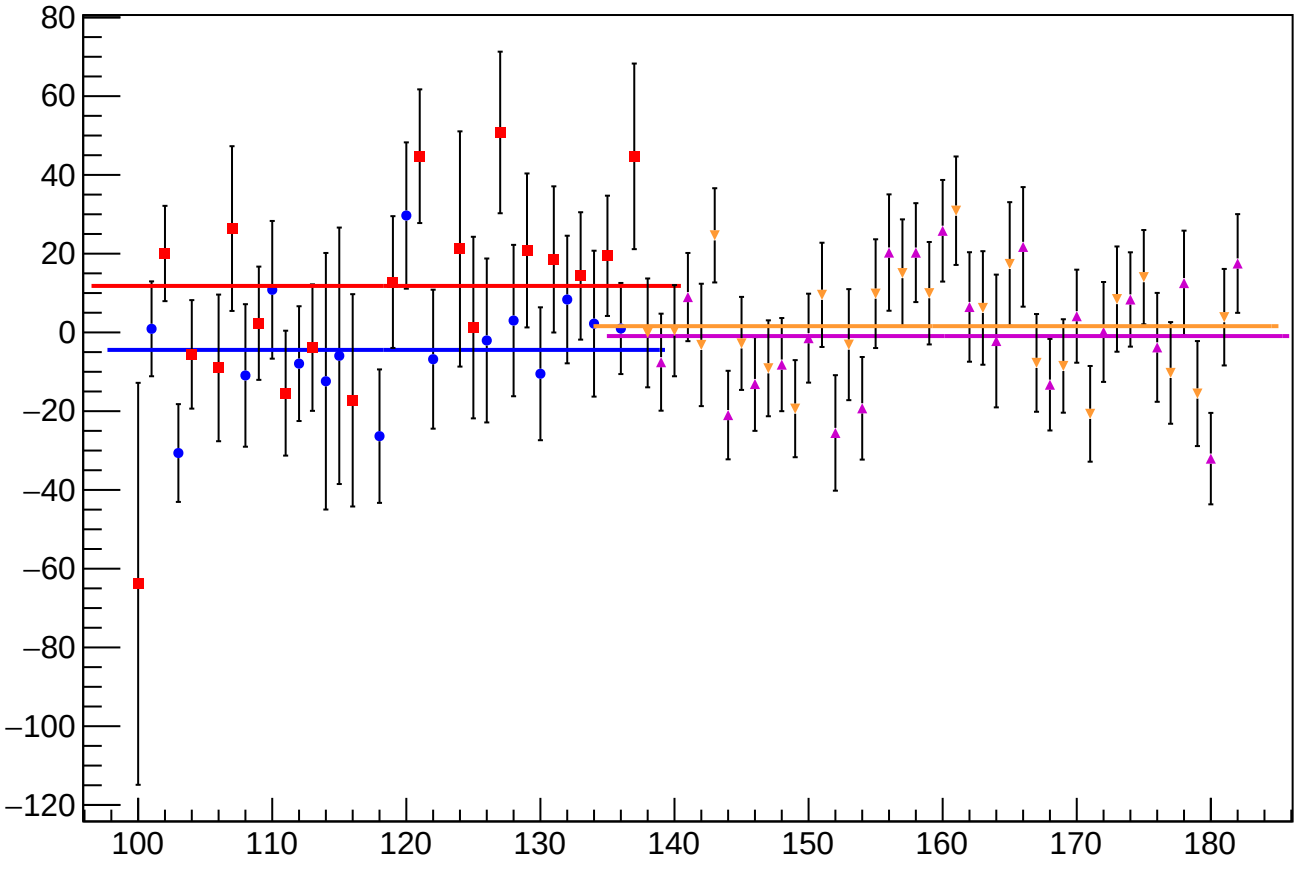
Left: 21.645+/-0.003 χ^2/NDF: 36961.8/44

Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.665+/-0.003 χ^2/NDF:40408.6/37

Out: 21.671+/-0.003 χ^2/NDF:34989.1/41

All: 21.668+/-0.002 χ^2/NDF: 75399.8/79



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.589+/-2.702 χ^2/NDF:24.0/22

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -0.927+/-2.698 χ^2/NDF:34.5/21

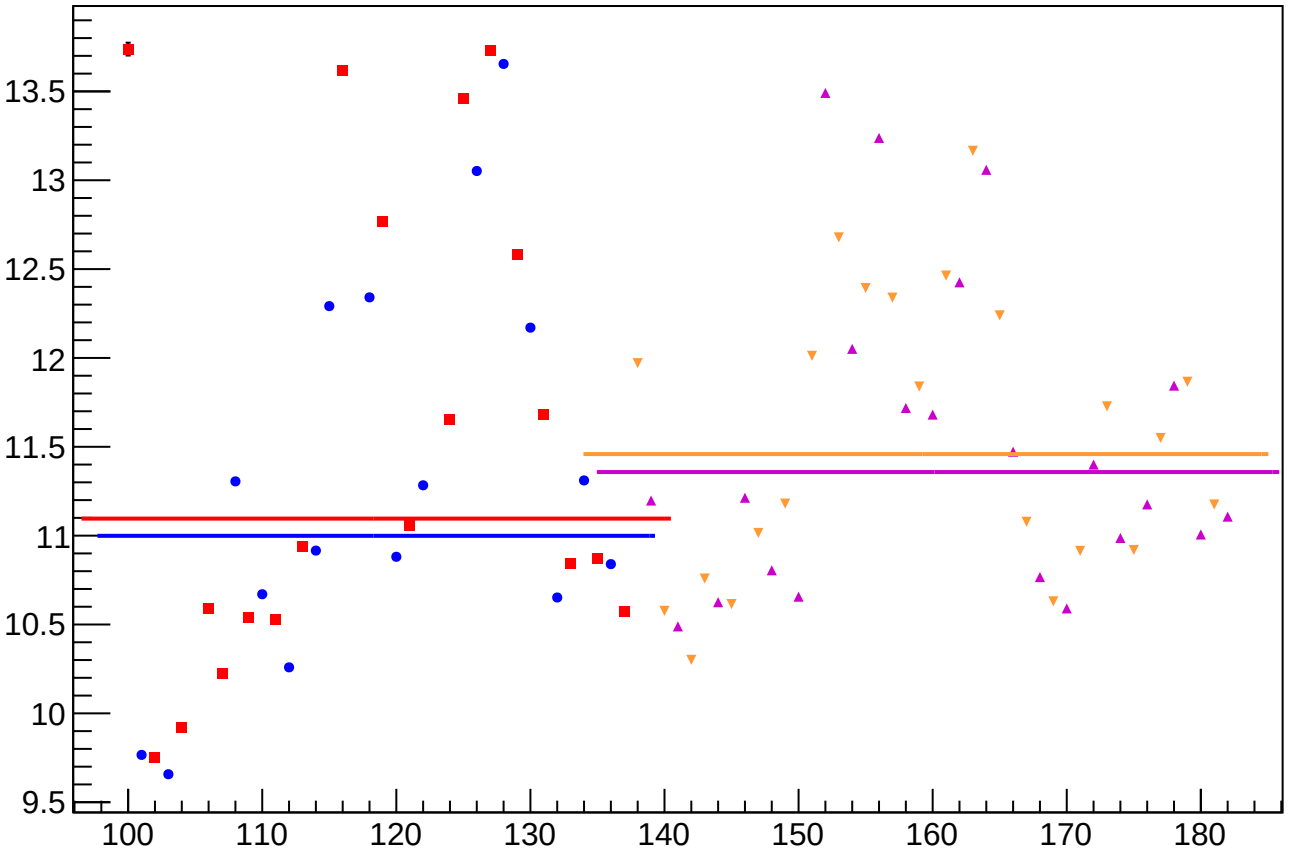
Left: 0.329+/-1.909 χ^2/NDF: 59.0/44

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -1.977+/-2.259 χ^2/NDF:47.0/37

Out: 4.686+/-2.256 χ^2/NDF:50.1/41

All: 1.358+/-1.596 χ^2/NDF: 101.5/79



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.459+/-0.002 χ^2/NDF:151011.9/22

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.358+/-0.002 χ^2/NDF:169952.3/21

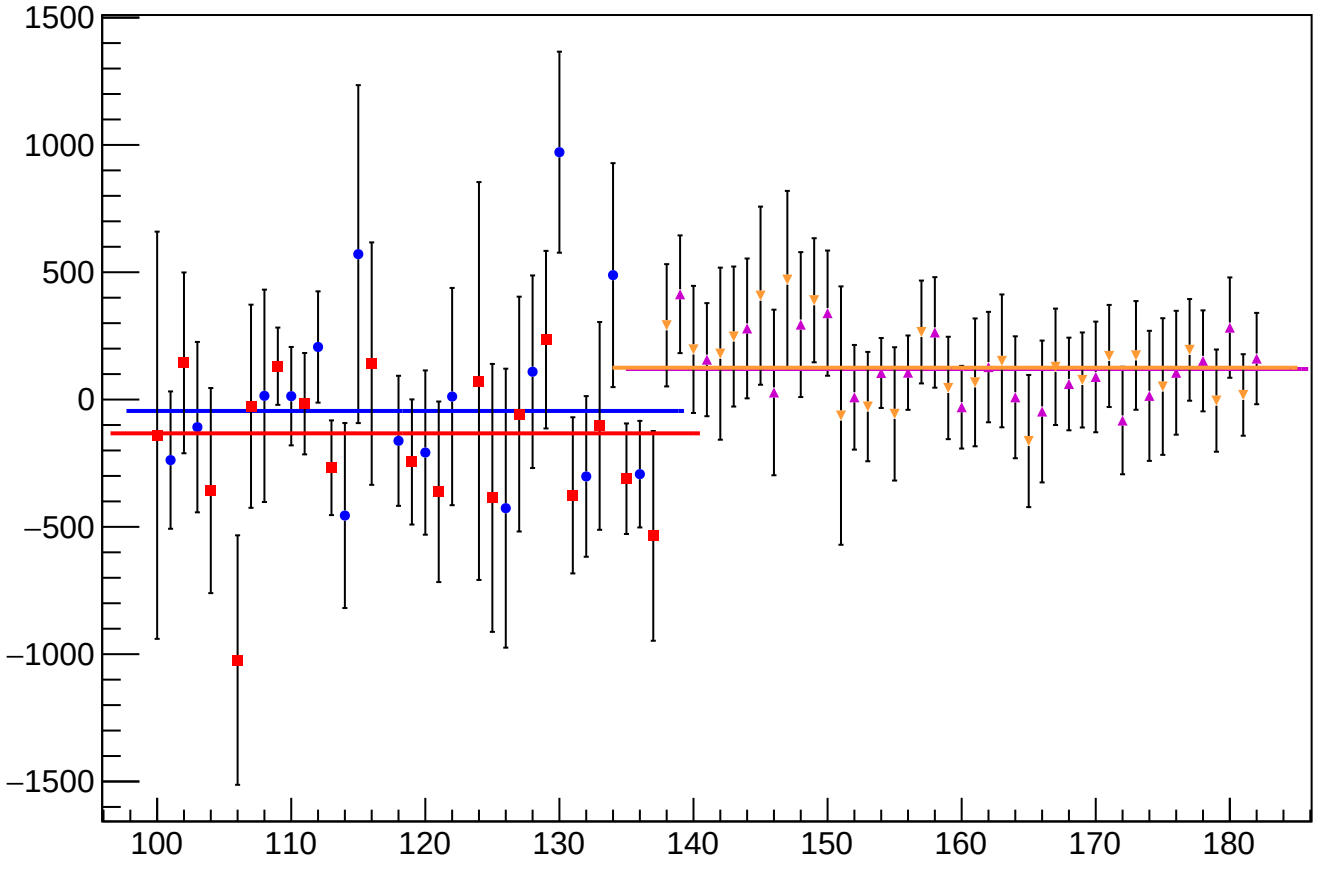
Left: 11.408+/-0.001 χ^2/NDF: 322367.6/44

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.251+/-0.002 χ^2/NDF:316696.4/37

Out: 11.349+/-0.002 χ^2/NDF:324868.8/41

All: 11.300+/-0.001 χ^2/NDF: 643464.4/79



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 125.039+/-48.743 χ^2/NDF:7.9/22

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 119.975+/-44.143 χ^2/NDF:7.4/21

Left: 122.257+/-32.719 χ^2/NDF: 15.3/44

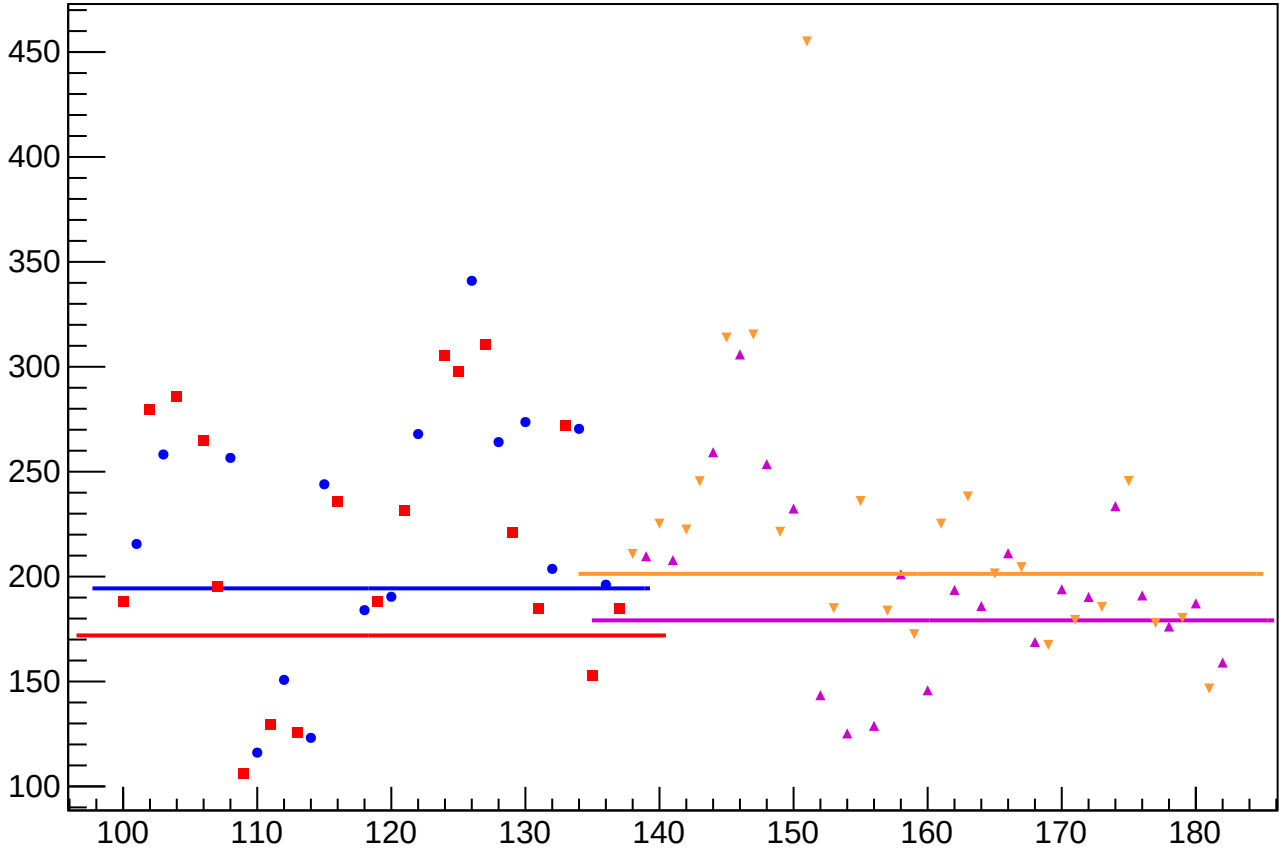
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 78.754+/-38.224 χ^2/NDF:26.3/37

Out: 38.004+/-39.670 χ^2/NDF:30.2/41

All: 59.135+/-27.526 χ^2/NDF: 57.0/79

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: 201.308+/-0.034 χ^2/NDF:1615284.1/22

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 179.144+/-0.031 χ^2/NDF:1666081.1/21

Left: 189.131+/-0.023 χ^2/NDF: 3508547.0/44

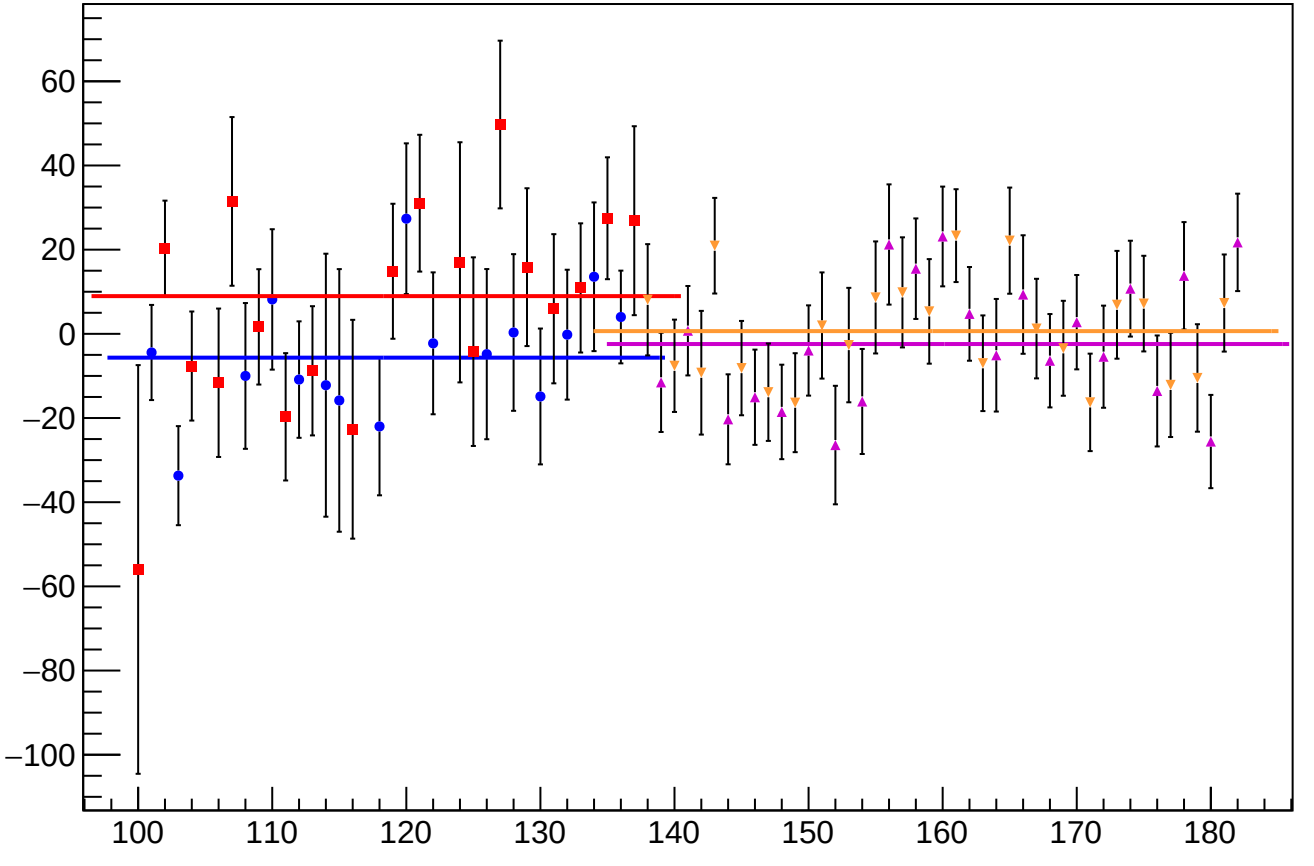
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.957+/-0.027 χ^2/NDF:2767747.1/37

Out: 191.395+/-0.028 χ^2/NDF:3511618.4/41

All: 187.020+/-0.019 χ^2/NDF: 6326285.6/79

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: 0.645+/-2.520 χ^2/NDF:22.5/22

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -2.422+/-2.527 χ^2/NDF:34.5/21

Left: -0.884+/-1.784 χ^2/NDF: 57.7/44

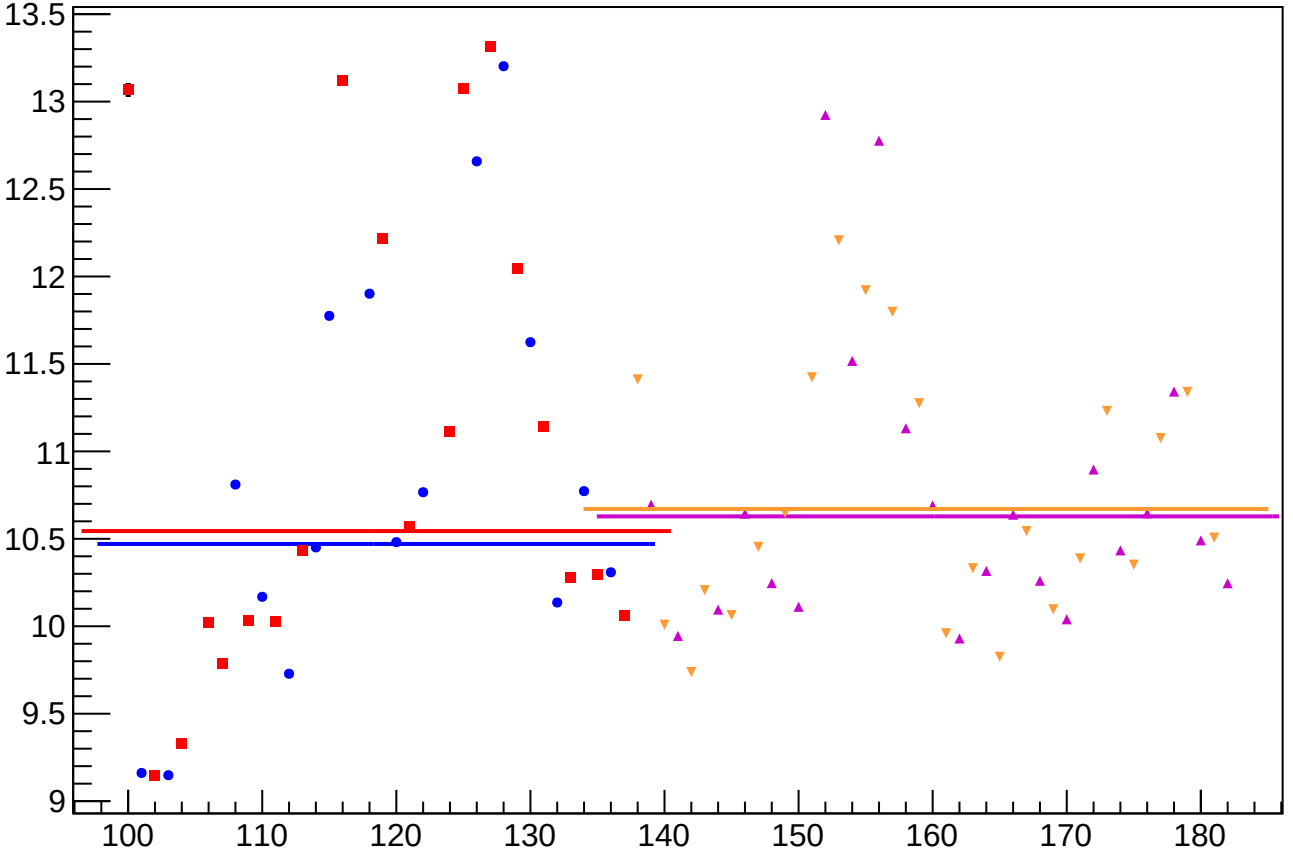
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.366+/-2.127 χ^2/NDF:48.7/37

Out: 3.093+/-2.117 χ^2/NDF:48.5/41

All: -0.120+/-1.500 χ^2/NDF: 101.8/79

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: 10.671+/-0.002 χ^2/NDF:140550.1/22

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.628+/-0.002 χ^2/NDF:159418.4/21

Left: 10.650+/-0.001 χ^2/NDF: 300250.2/44

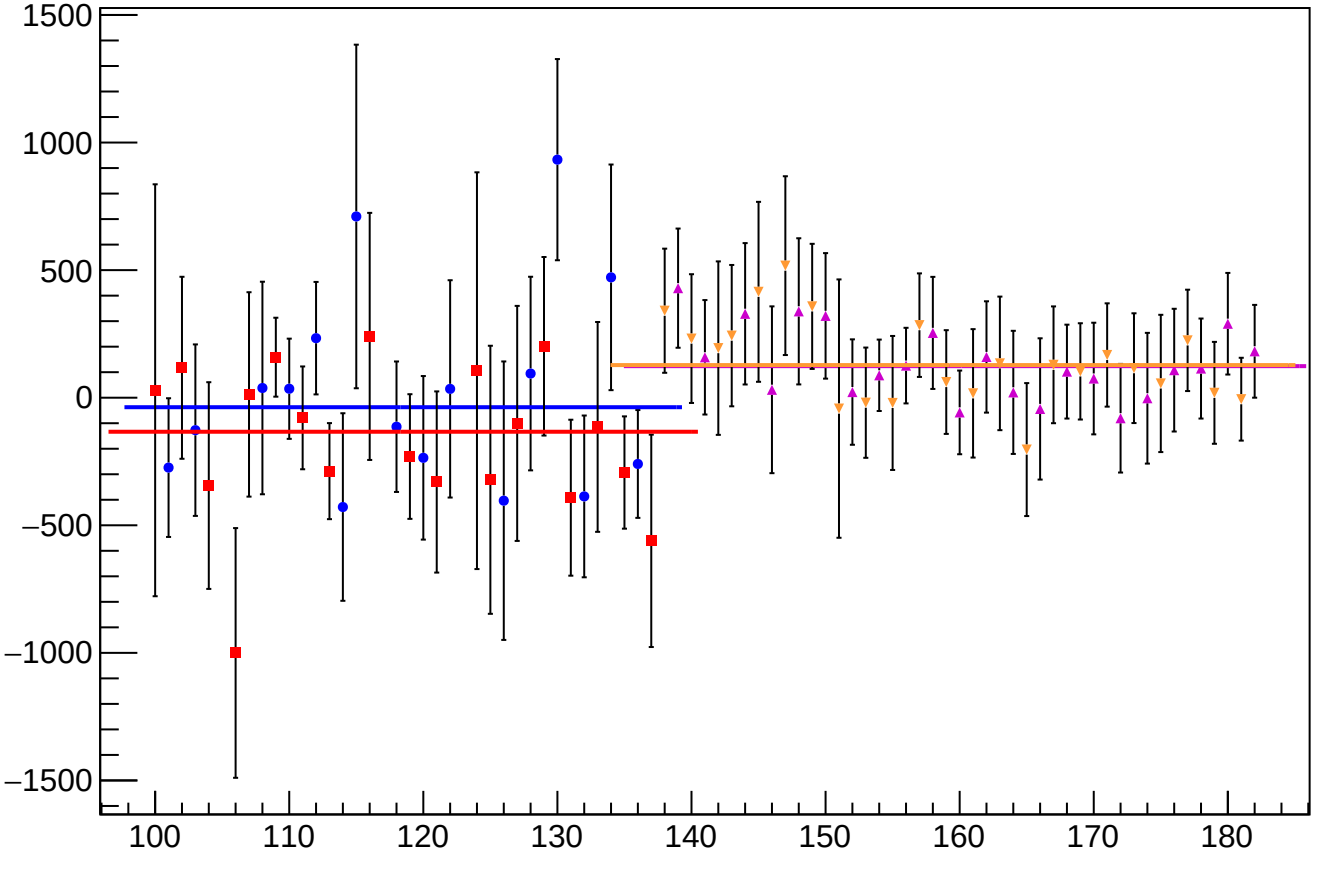
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.582+/-0.002 χ^2/NDF:319053.9/37

Out: 10.633+/-0.001 χ^2/NDF:328808.7/41

All: 10.608+/-0.001 χ^2/NDF: 648443.8/79

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: 127.851+/-49.031 χ^2/NDF:8.7/22

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 123.675+/-44.496 χ^2/NDF:8.1/21

Left: 125.561+/-32.950 χ^2/NDF: 16.7/44

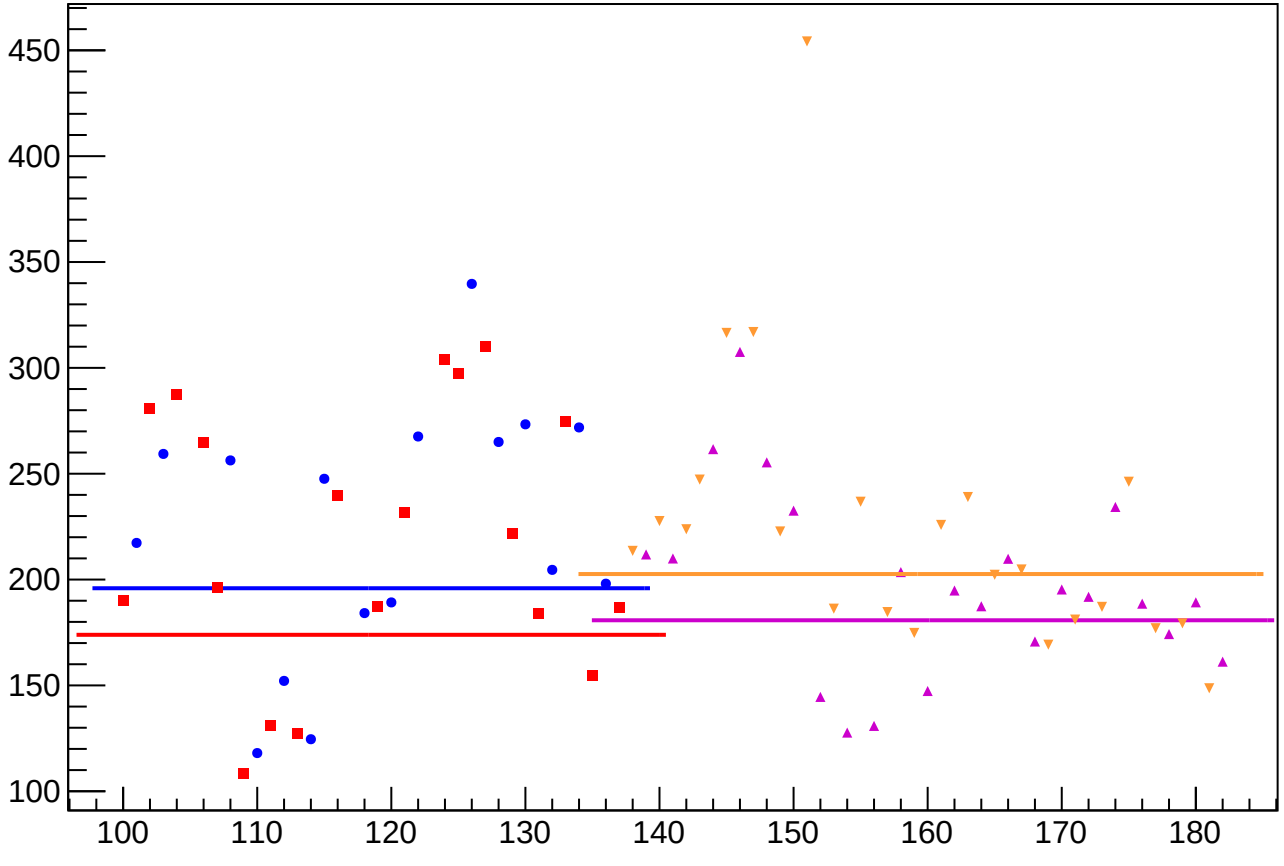
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 83.325+/-38.515 χ^2/NDF:27.0/37

Out: 40.007+/-39.945 χ^2/NDF:31.1/41

All: 62.455+/-27.726 χ^2/NDF: 58.7/79

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: 202.608+/-0.035 χ^2/NDF:1596286.9/22

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 180.767+/-0.031 χ^2/NDF:1615622.6/21

Left: 190.631+/-0.023 χ^2/NDF: 3429529.4/44

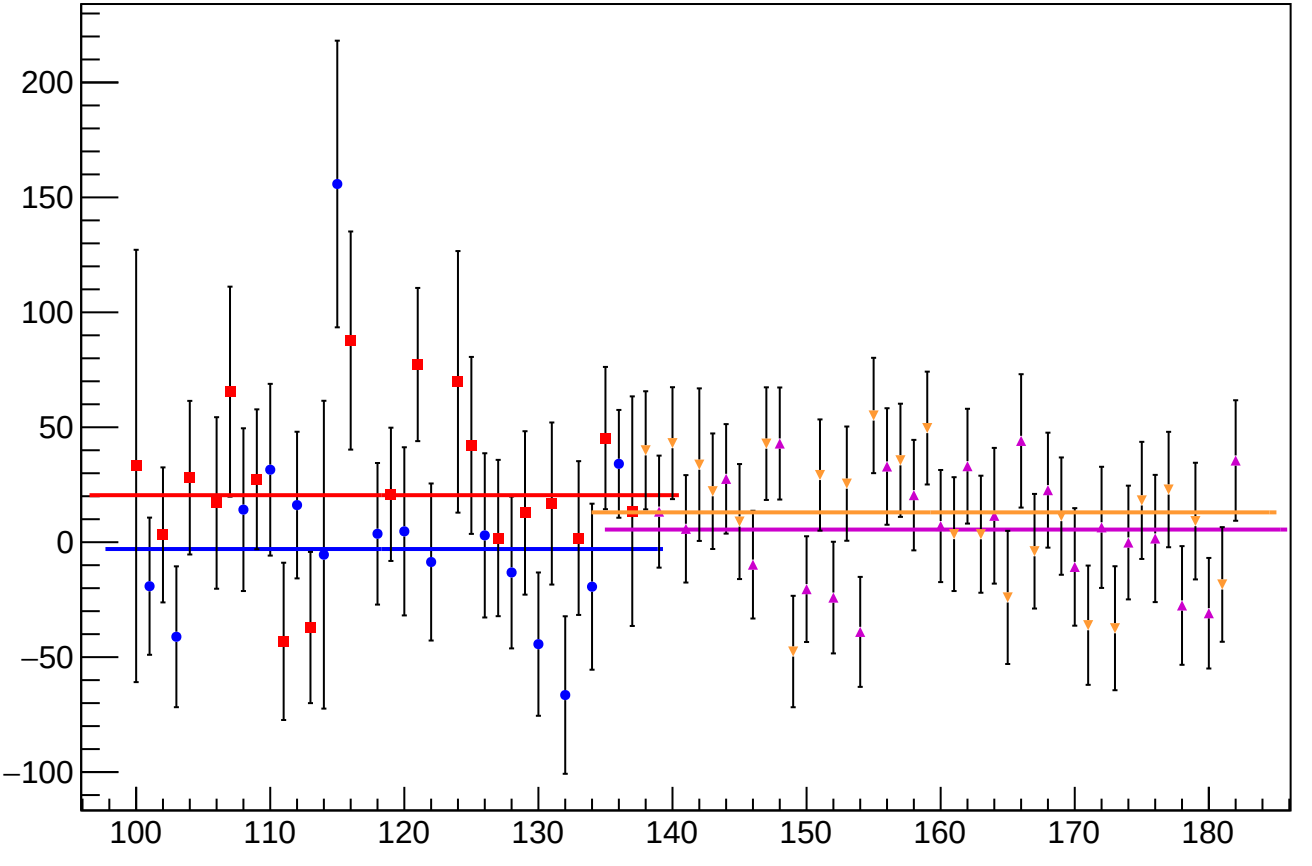
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 184.562+/-0.027 χ^2/NDF:2684637.1/37

Out: 192.955+/-0.028 χ^2/NDF:3426427.2/41

All: 188.605+/-0.020 χ^2/NDF: 6156822.7/79

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: 12.980+/-5.304 χ^2/NDF:28.8/22

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 5.499+/-5.329 χ^2/NDF:20.7/21

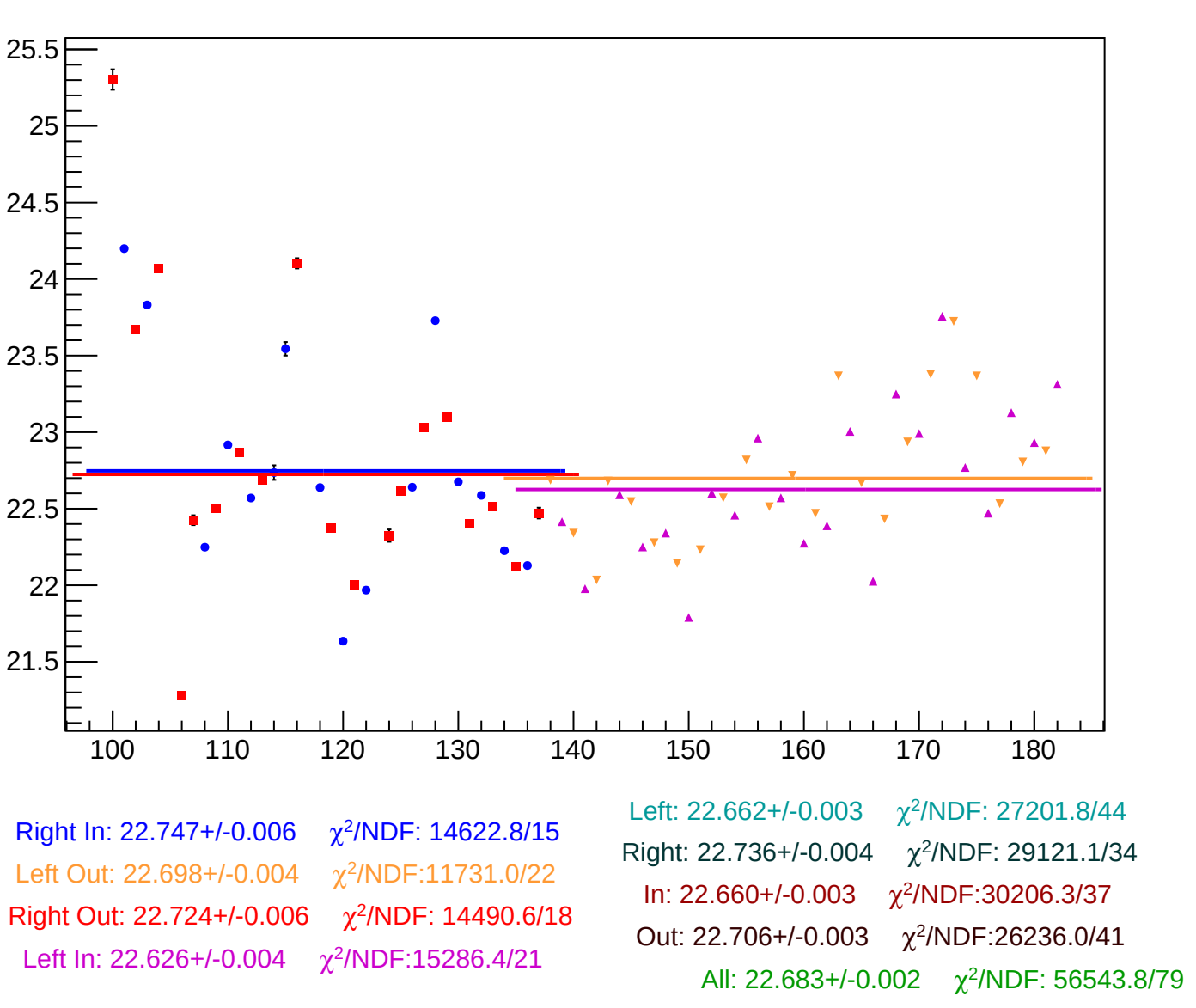
Left: 9.257+/-3.759 χ^2/NDF: 50.5/44

Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

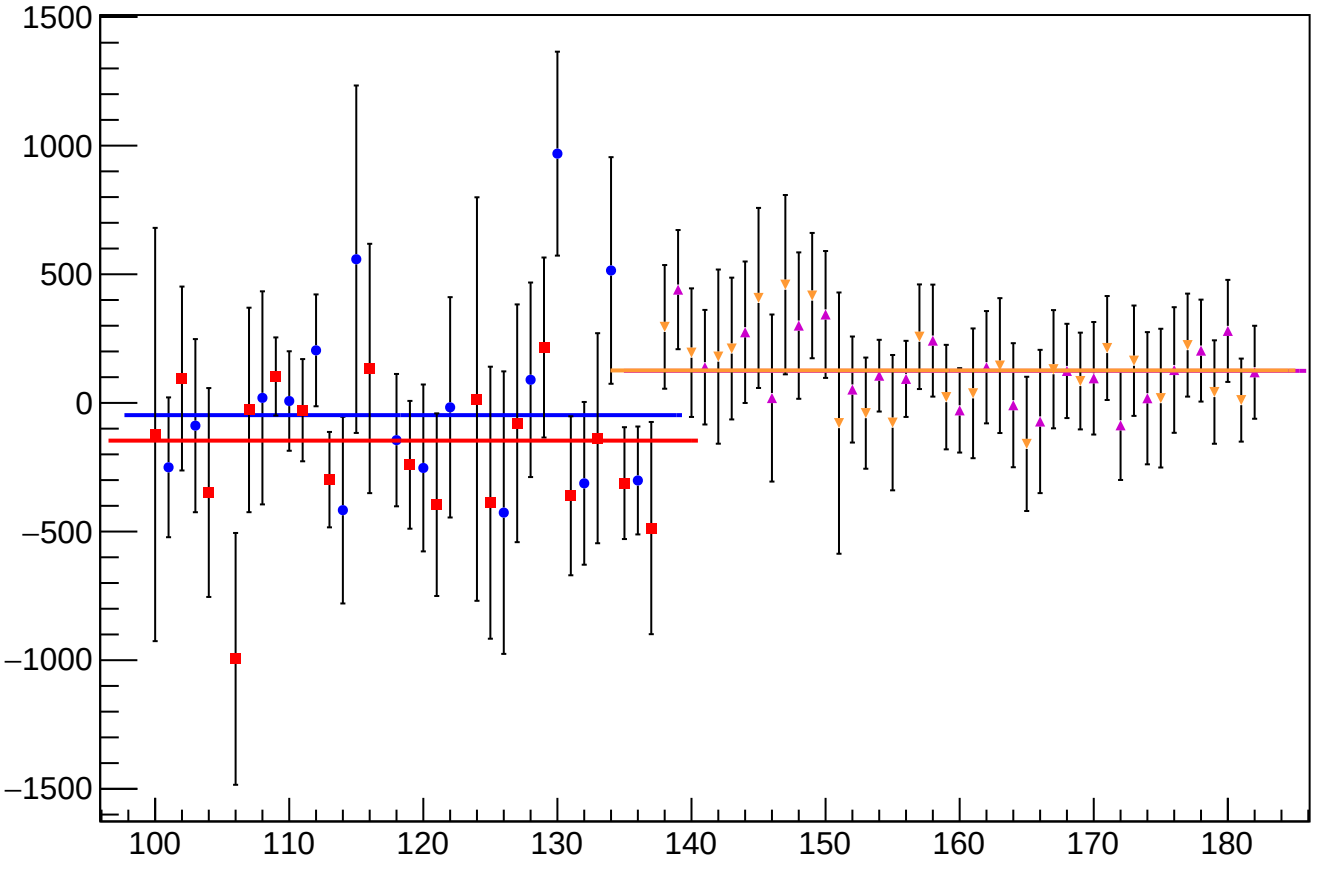
In: 3.092+/-4.508 χ^2/NDF:39.4/37

Out: 15.151+/-4.468 χ^2/NDF:44.6/41

All: 9.175+/-3.173 χ^2/NDF: 87.6/79


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected
25.5
25
24.5
24
23.5
23
22.5
22
21.5
100
110
120
130
140
150
160
170
180
Right In: 22.747+/-0.006 χ2/NDF: 14622.8/15
Left Out: 22.698+/-0.004 χ2/NDF:11731.0/22
Right Out: 22.724+/-0.006 χ2/NDF: 14490.6/18
Left In: 22.626+/-0.004 χ2/NDF:15286.4/21
Left: 22.662+/-0.003 χ2/NDF: 27201.8/44
Right: 22.736+/-0.004 χ2/NDF: 29121.1/34
In: 22.660+/-0.003 χ2/NDF:30206.3/37
Out: 22.706+/-0.003 χ2/NDF:26236.0/41
All: 22.683+/-0.002 χ2/NDF: 56543.8/79

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 126.180+/-48.973 χ^2/NDF:8.4/22

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 124.586+/-44.424 χ^2/NDF:7.6/21

Left: 125.305+/-32.904 χ^2/NDF: 15.9/44

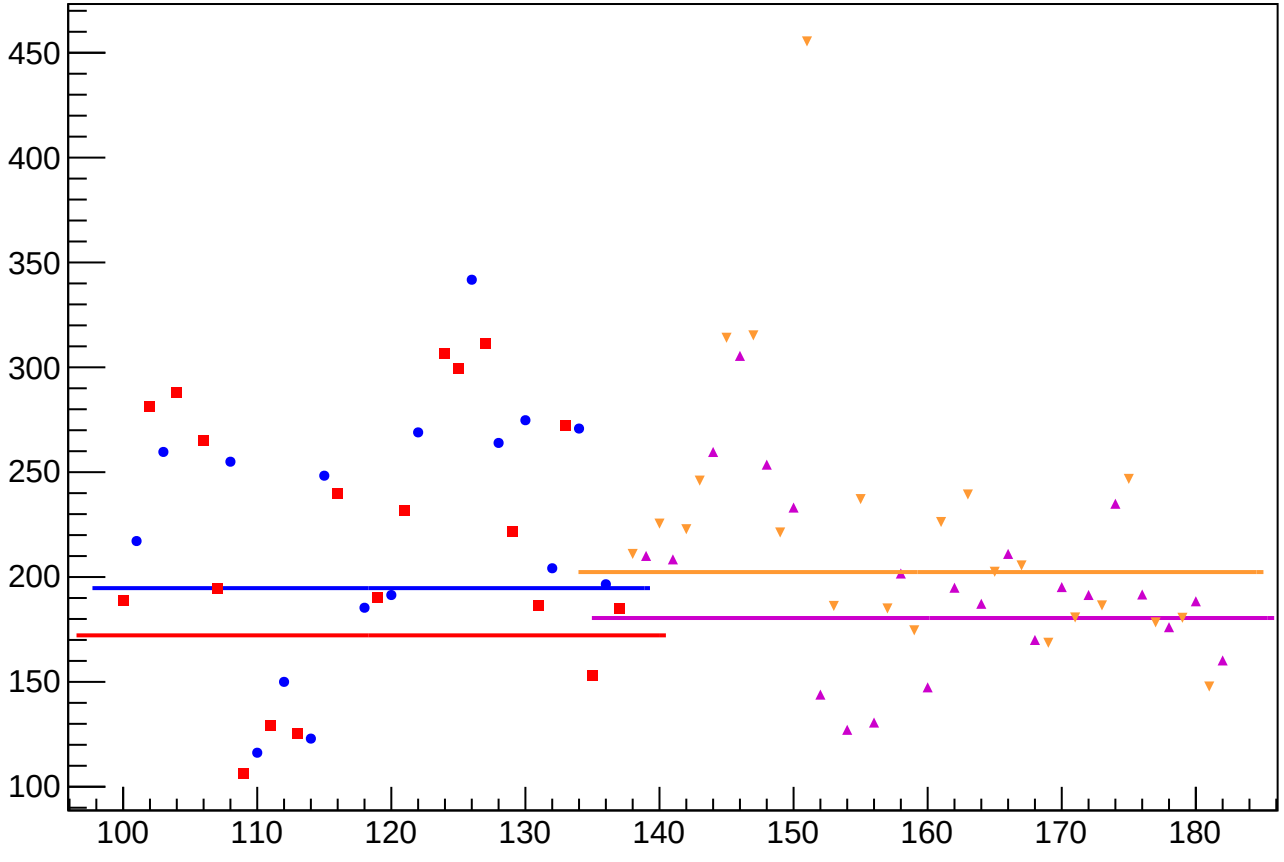
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 81.243+/-38.426 χ^2/NDF:26.7/37

Out: 33.741+/-39.819 χ^2/NDF:30.5/41

All: 58.337+/-27.650 χ^2/NDF: 57.9/79

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: 202.367+/-0.035 χ^2/NDF:1589220.5/22

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 180.459+/-0.031 χ^2/NDF:1611293.0/21

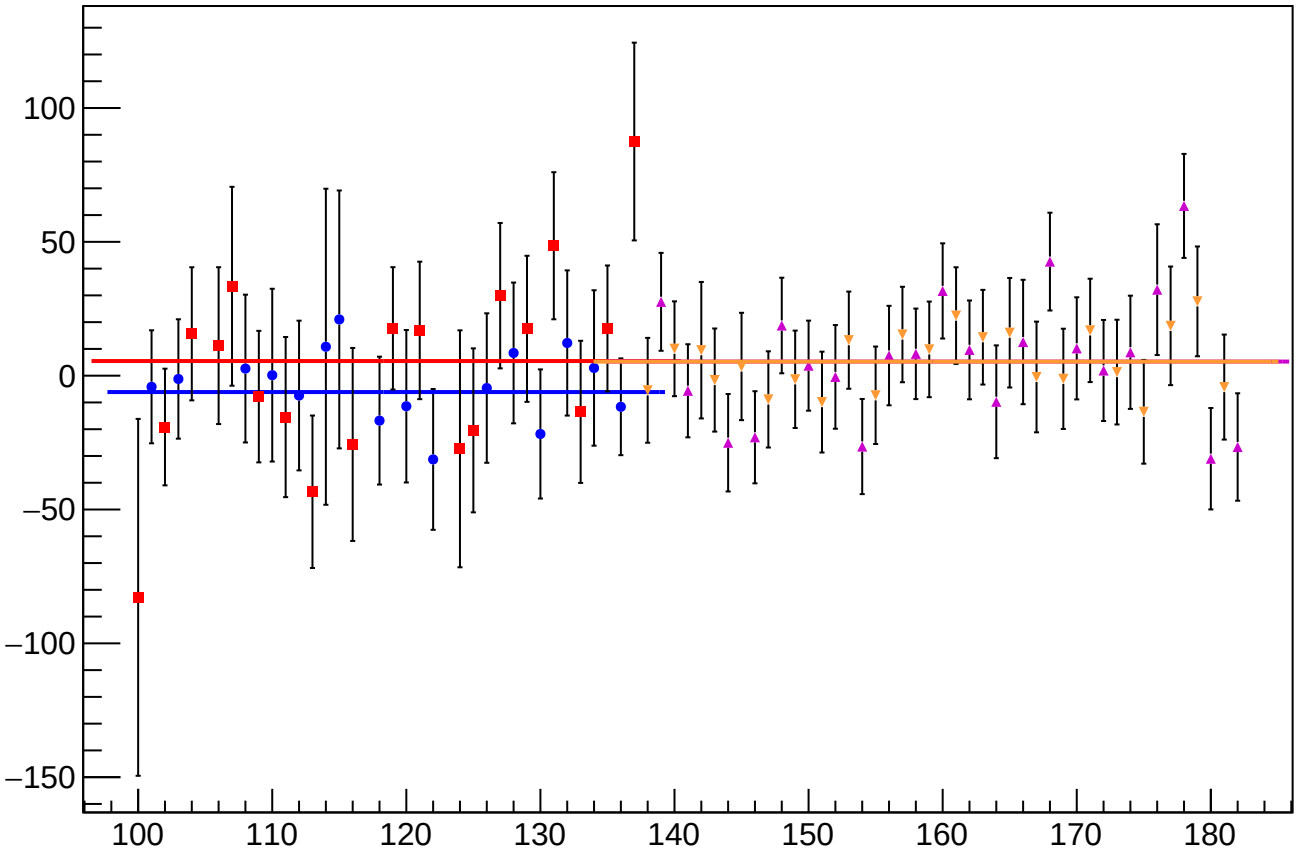
Left: 190.348+/-0.023 χ^2/NDF: 3420091.0/44

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 184.047+/-0.027 χ^2/NDF:2715401.0/37

Out: 192.138+/-0.028 χ^2/NDF:3517726.8/41

All: 187.949+/-0.020 χ^2/NDF: 6275889.9/79



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.257+/-3.997 χ^2/NDF:7.8/22

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 5.276+/-4.011 χ^2/NDF:34.8/21

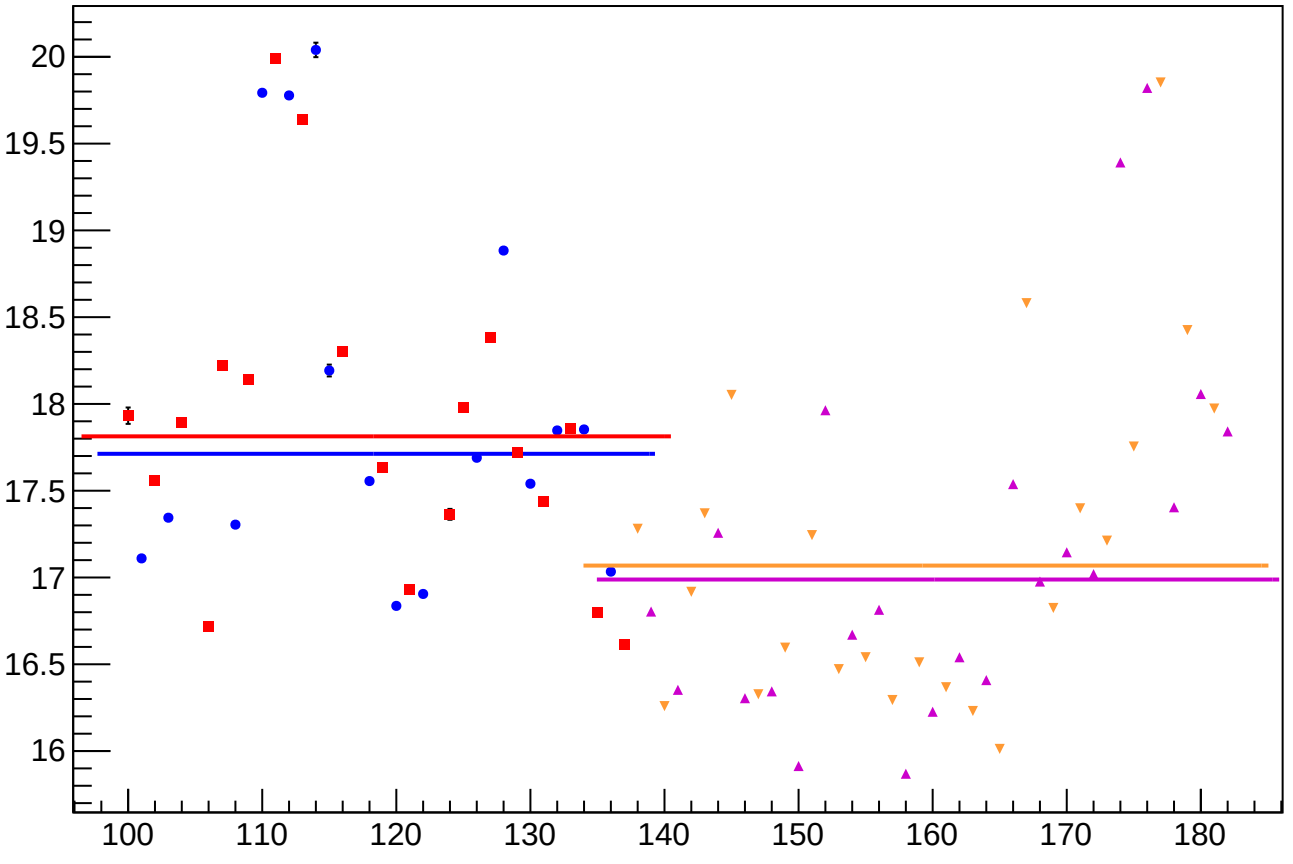
Left: 5.266+/-2.831 χ^2/NDF: 42.6/44

Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: 2.198+/-3.426 χ^2/NDF:40.1/37

Out: 5.315+/-3.406 χ^2/NDF:27.0/41

All: 3.766+/-2.416 χ^2/NDF: 67.5/79



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.069+/-0.003 χ^2/NDF:95921.1/22

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.988+/-0.003 χ^2/NDF:103122.3/21

Left: 17.029+/-0.002 χ^2/NDF: 199446.5/44

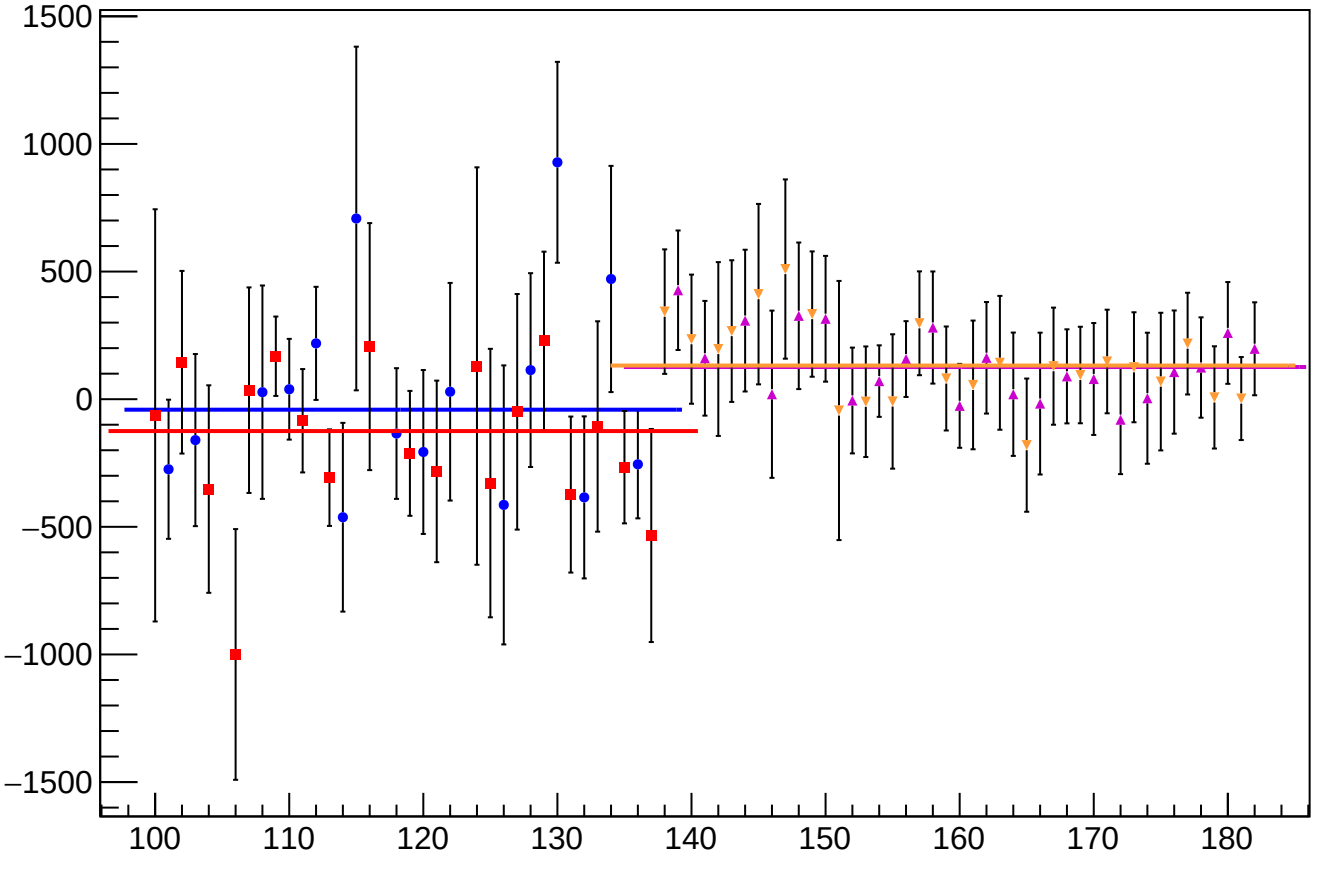
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.184+/-0.002 χ^2/NDF:156730.0/37

Out: 17.273+/-0.002 χ^2/NDF:147641.0/41

All: 17.229+/-0.002 χ^2/NDF: 305043.6/79

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 131.847+/-49.140 χ^2/NDF:8.0/22

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 125.990+/-44.584 χ^2/NDF:7.6/21

Left: 128.635+/-33.019 χ^2/NDF: 15.6/44

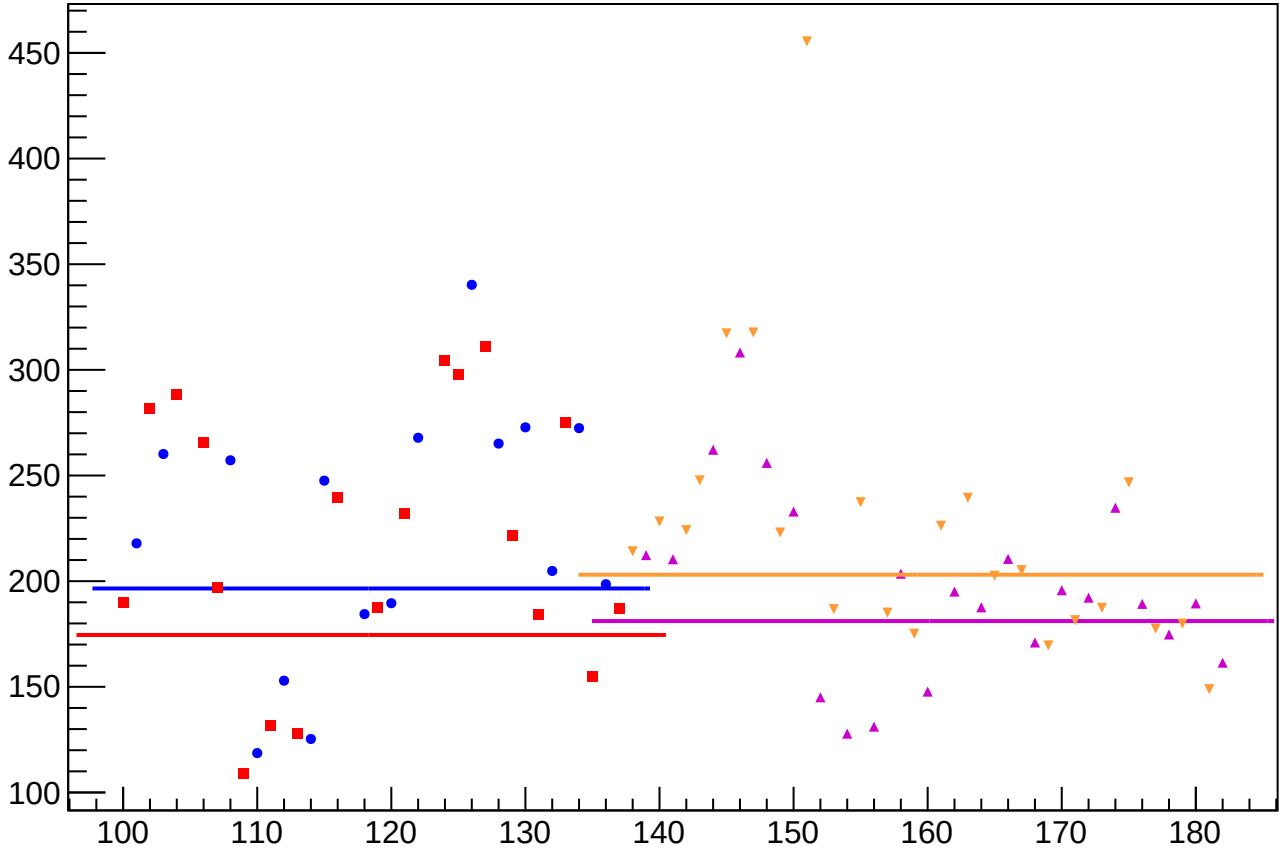
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 84.146+/-38.601 χ^2/NDF:26.7/37

Out: 45.637+/-40.048 χ^2/NDF:30.1/41

All: 65.600+/-27.792 χ^2/NDF: 57.3/79

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: 203.059+/-0.035 χ^2/NDF:1596554.8/22

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 181.124+/-0.032 χ^2/NDF:1615823.7/21

Left: 191.028+/-0.023 χ^2/NDF: 3430953.1/44

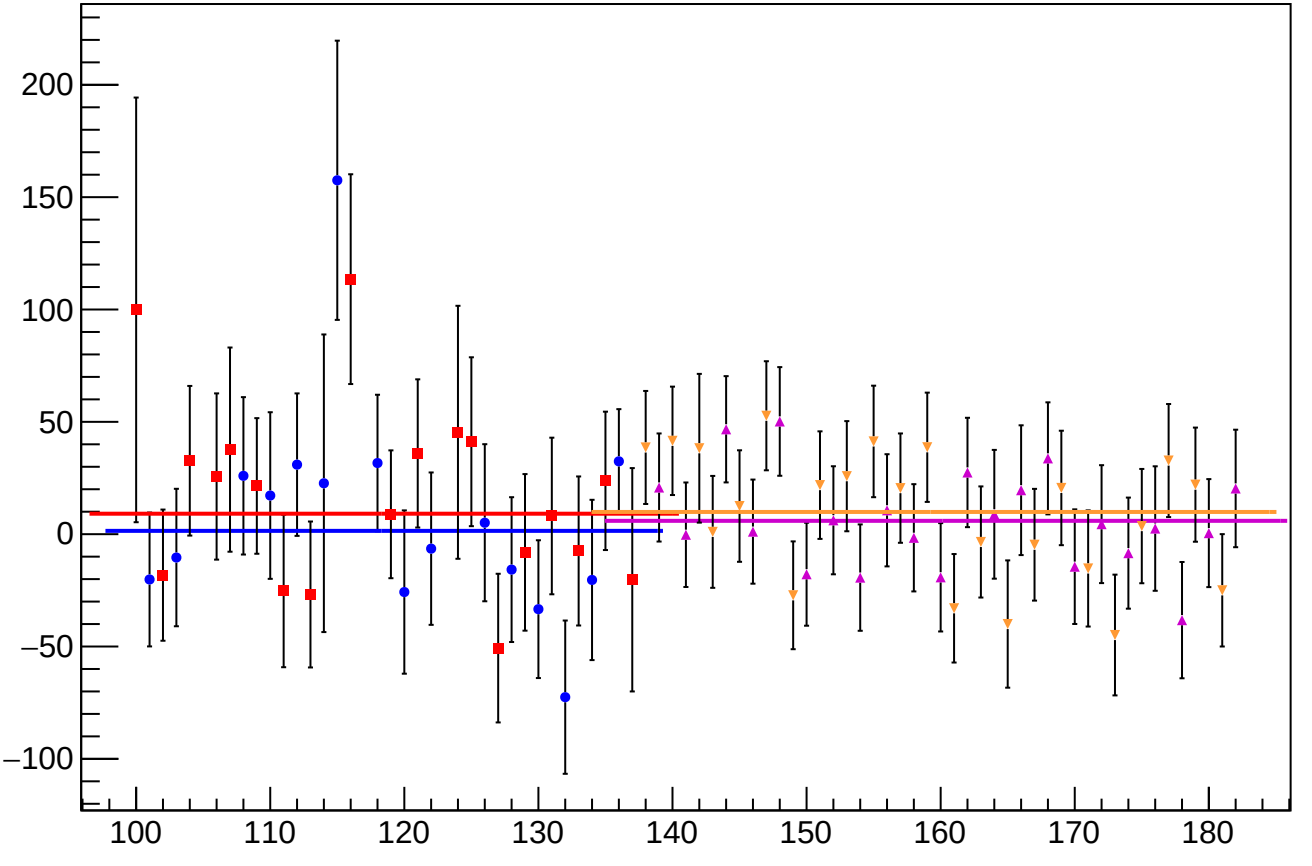
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 184.985+/-0.027 χ^2/NDF:2676486.0/37

Out: 193.482+/-0.028 χ^2/NDF:3411498.0/41

All: 189.077+/-0.020 χ^2/NDF: 6134656.2/79

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: 9.892+/-5.256 χ^2/NDF:28.5/22

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 5.940+/-5.288 χ^2/NDF:16.8/21

Left: 7.928+/-3.728 χ^2/NDF: 45.5/44

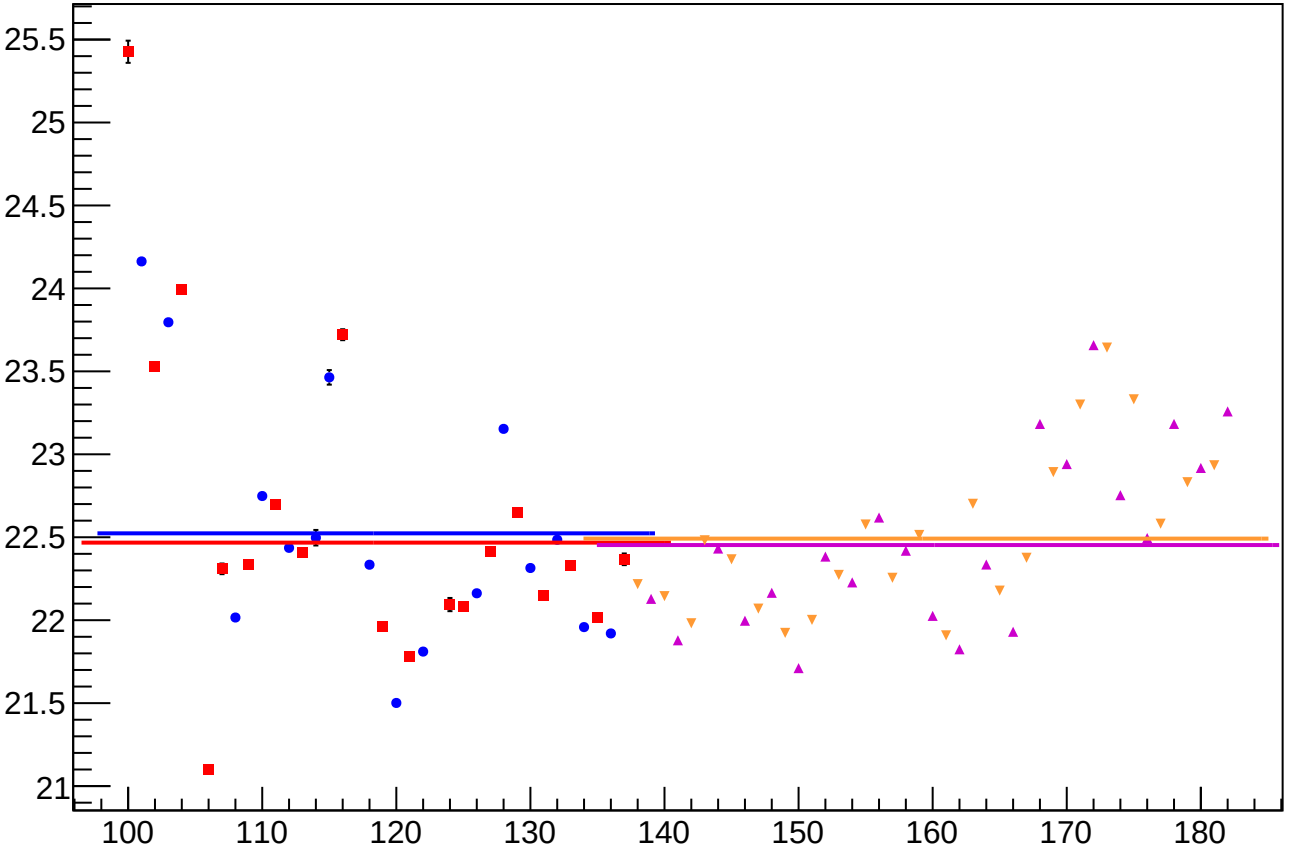
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 4.666+/-4.471 χ^2/NDF:35.6/37

Out: 9.665+/-4.424 χ^2/NDF:45.0/41

All: 7.192+/-3.145 χ^2/NDF: 81.2/79

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: 22.492+/-0.004 χ^2/NDF:15024.5/22

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.453+/-0.004 χ^2/NDF:18878.6/21

Left: 22.473+/-0.003 χ^2/NDF: 33957.1/44

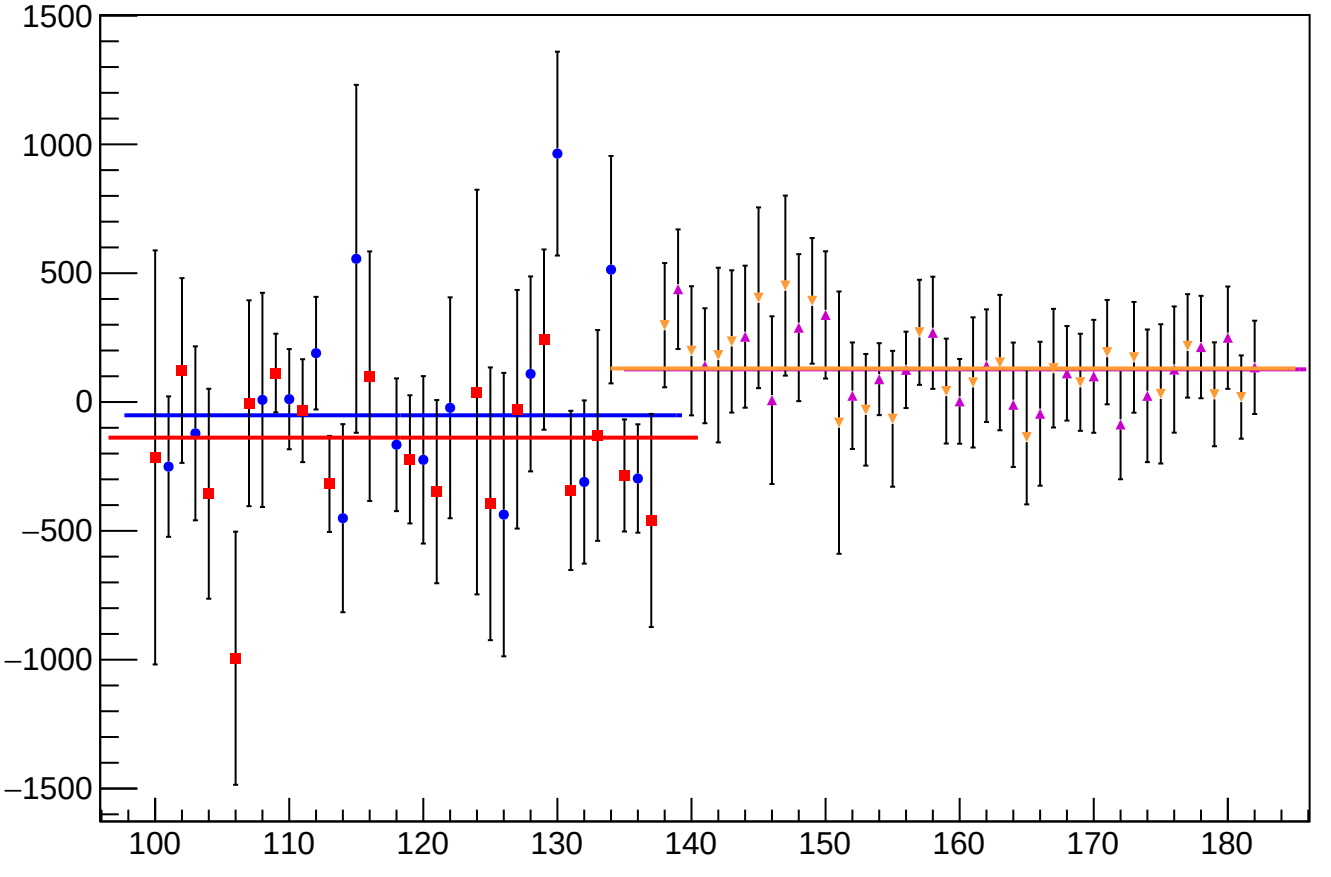
Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.473+/-0.003 χ^2/NDF:34928.0/37

Out: 22.485+/-0.003 χ^2/NDF:30663.3/41

All: 22.479+/-0.002 χ^2/NDF: 65598.0/79

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 130.267+/-49.083 χ^2/NDF:7.6/22

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 126.825+/-44.512 χ^2/NDF:7.0/21

Left: 128.378+/-32.973 χ^2/NDF: 14.6/44

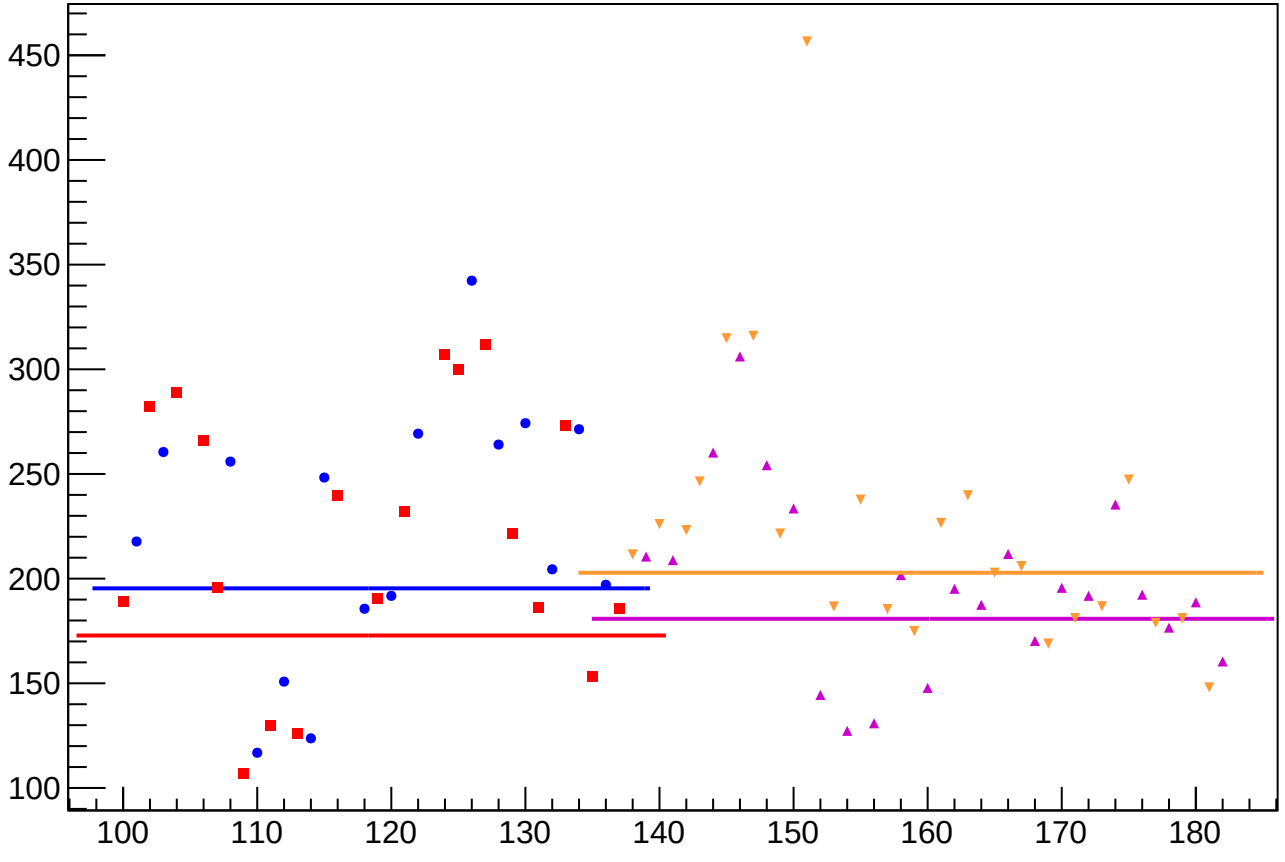
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 81.985+/-38.511 χ^2/NDF:26.4/37

Out: 39.414+/-39.922 χ^2/NDF:29.4/41

All: 61.466+/-27.717 χ^2/NDF: 56.3/79

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: 202.819+/-0.035 χ^2/NDF:1589492.2/22

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 180.813+/-0.031 χ^2/NDF:1611739.6/21

Left: 190.744+/-0.023 χ^2/NDF: 3421832.3/44

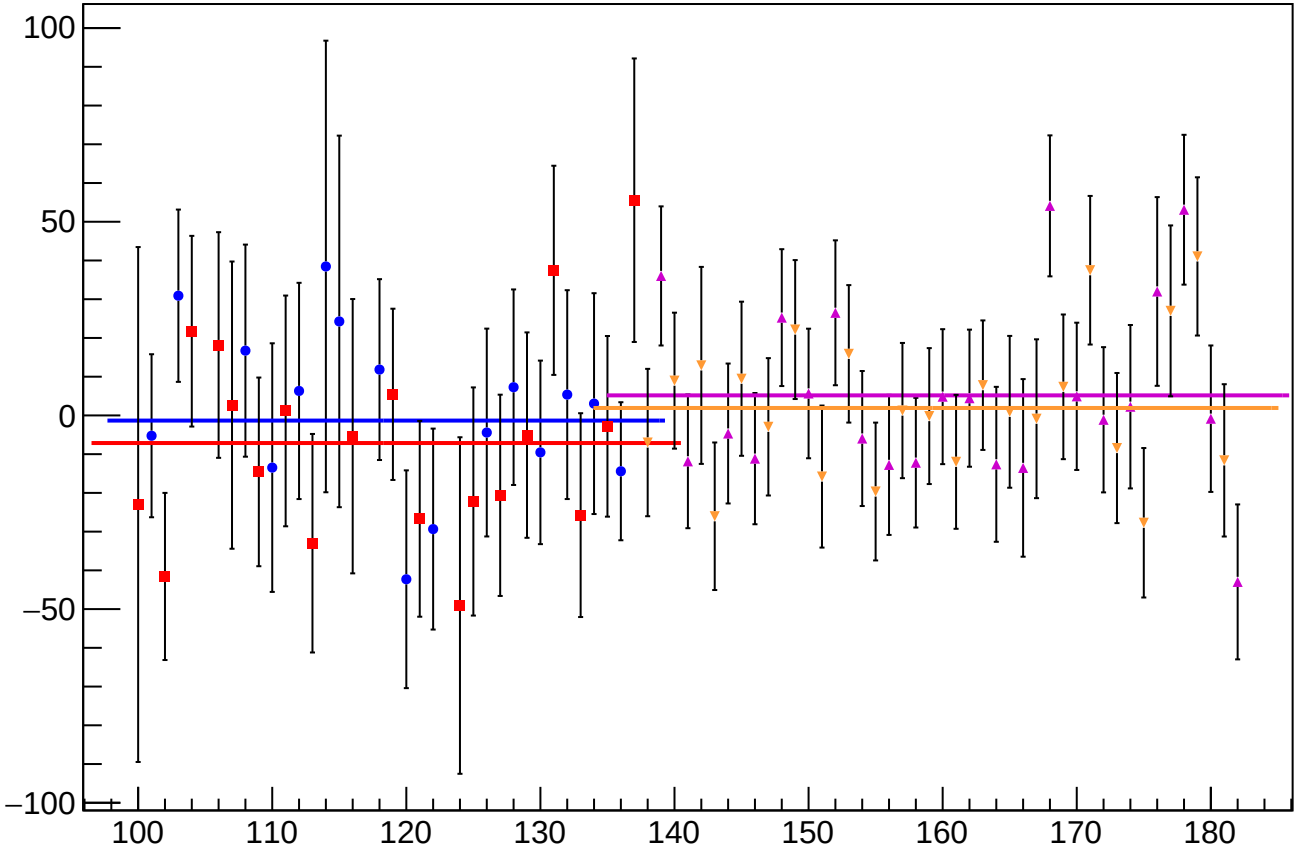
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 184.471+/-0.027 χ^2/NDF:2706895.4/37

Out: 192.672+/-0.028 χ^2/NDF:3501479.5/41

All: 188.424+/-0.020 χ^2/NDF: 6252091.3/79

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: 1.924+/-3.927 χ^2/NDF:19.6/22

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 5.177+/-3.953 χ^2/NDF:32.3/21

Left: 3.540+/-2.786 χ^2/NDF: 52.3/44

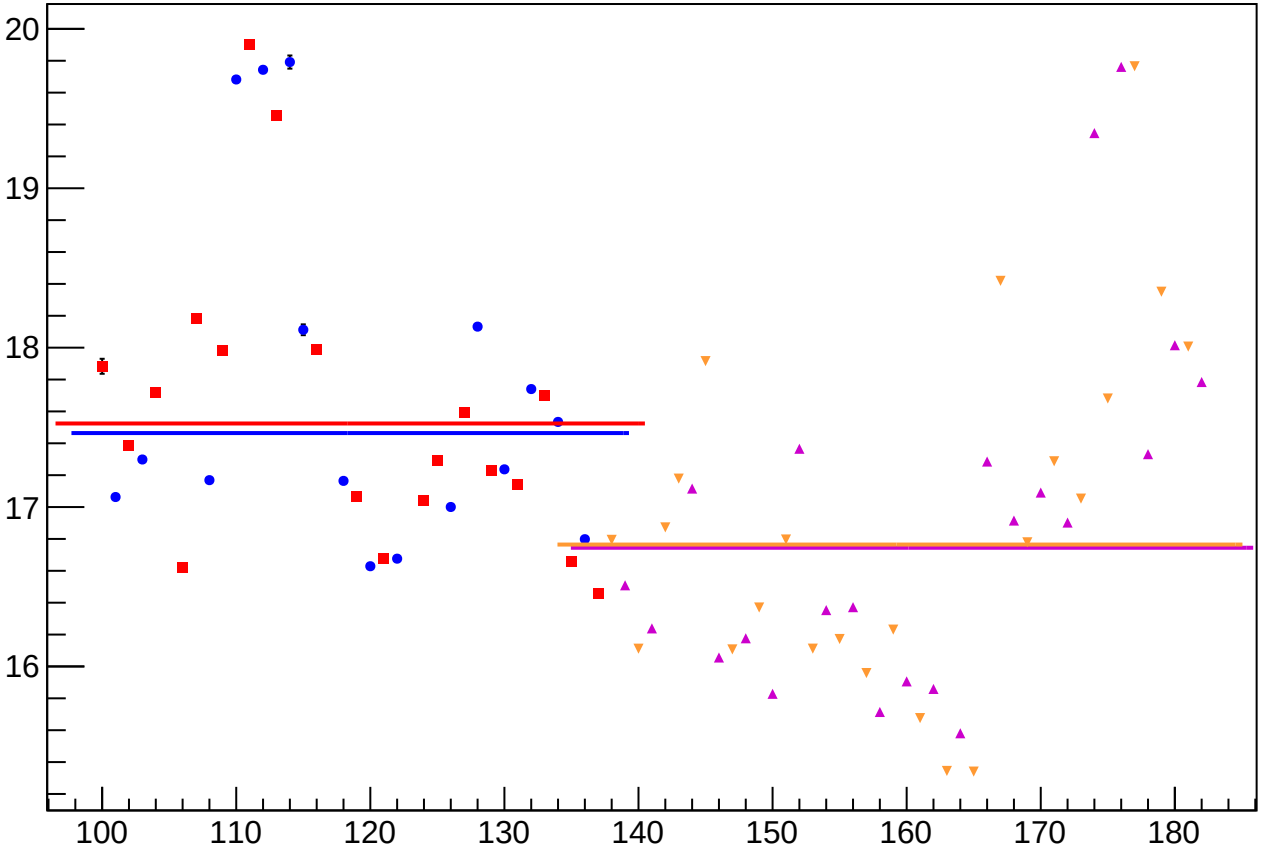
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 3.419+/-3.377 χ^2/NDF:41.0/37

Out: -0.550+/-3.347 χ^2/NDF:35.5/41

All: 1.417+/-2.378 χ^2/NDF: 77.2/79

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: 16.765+/-0.003 χ^2/NDF:134662.2/22

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.745+/-0.003 χ^2/NDF:121804.3/21

Left: 16.755+/-0.002 χ^2/NDF: 256492.5/44

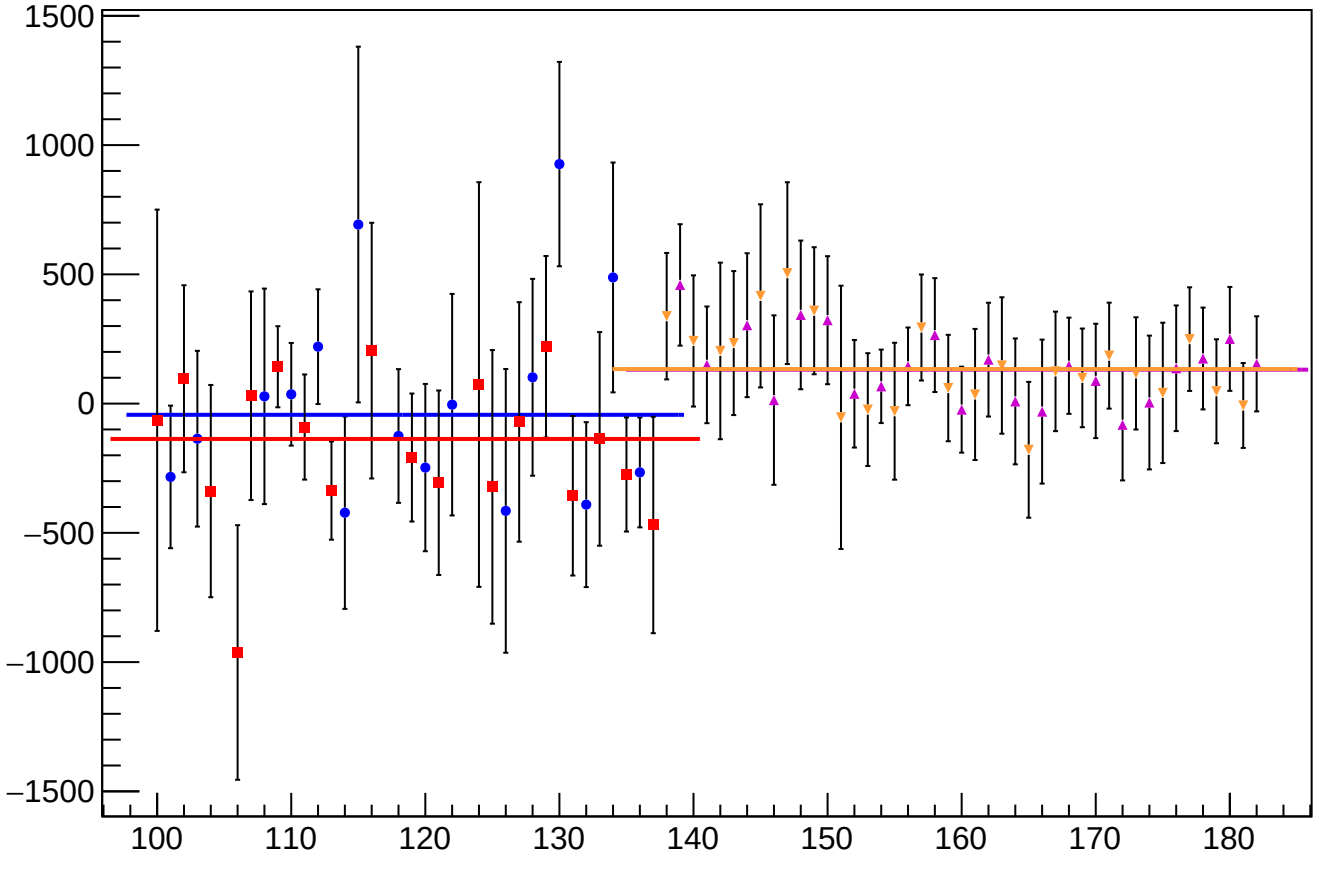
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.939+/-0.002 χ^2/NDF:176349.9/37

Out: 16.972+/-0.002 χ^2/NDF:189847.4/41

All: 16.956+/-0.002 χ^2/NDF: 366295.9/79

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: 133.515+/-49.465 χ^2/NDF:8.5/22

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 131.270+/-44.932 χ^2/NDF:7.6/21

Left: 132.285+/-33.259 χ^2/NDF: 16.0/44

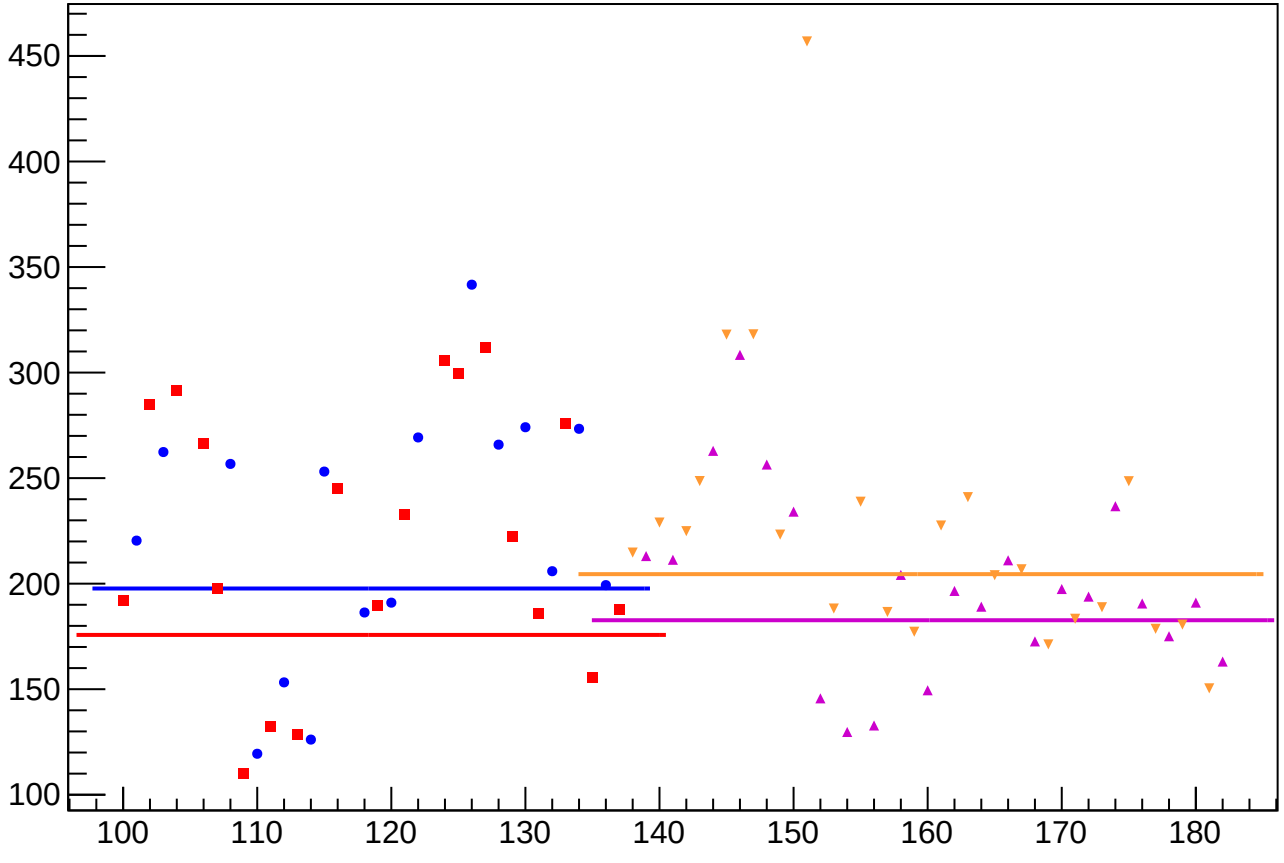
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 87.403+/-38.882 χ^2/NDF:26.8/37

Out: 42.731+/-40.311 χ^2/NDF:30.0/41

All: 65.873+/-27.985 χ^2/NDF: 57.5/79

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: 204.509+/-0.035 χ^2/NDF:1569986.6/22

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 182.673+/-0.032 χ^2/NDF:1572249.6/21

Left: 192.545+/-0.024 χ^2/NDF: 3355769.2/44

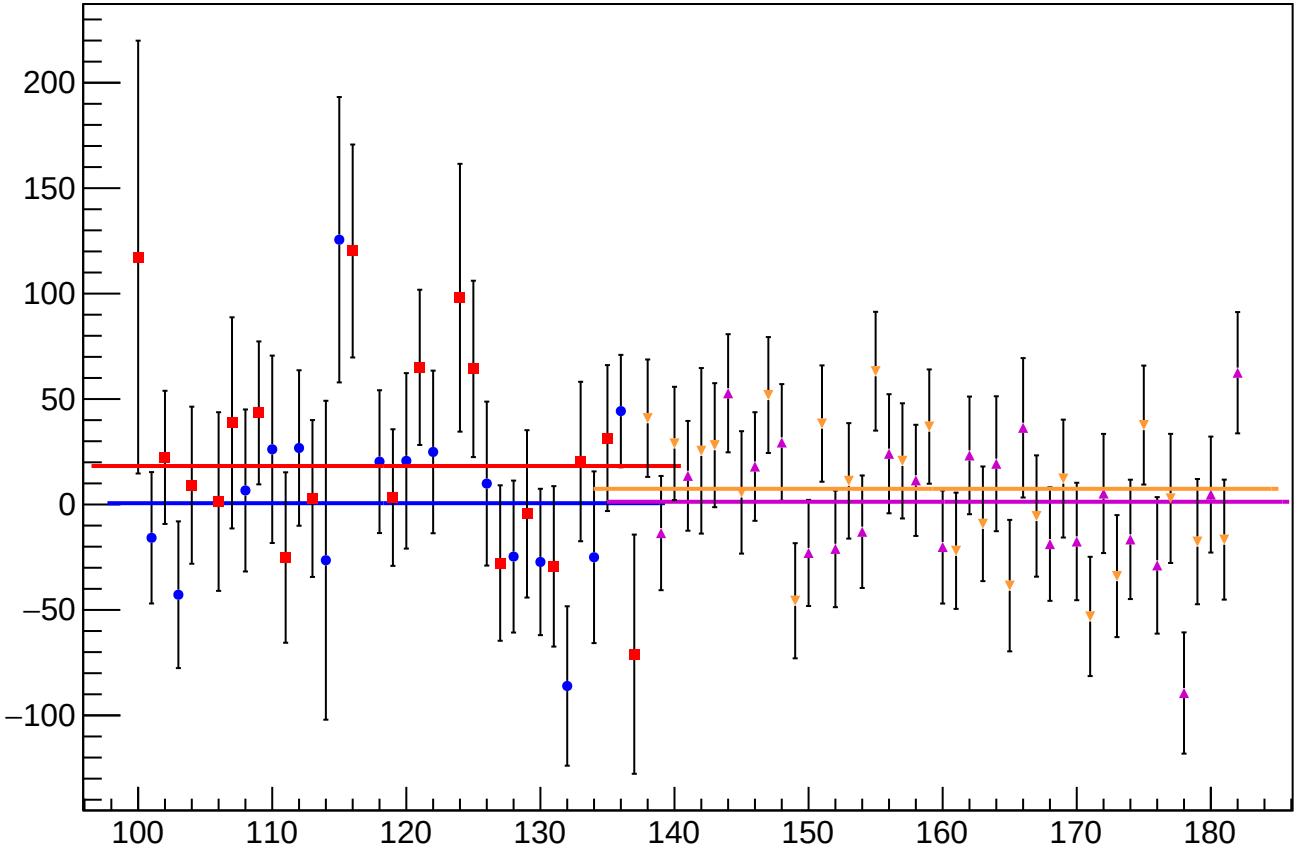
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 186.449+/-0.027 χ^2/NDF:2628812.4/37

Out: 194.838+/-0.029 χ^2/NDF:3388148.7/41

All: 190.492+/-0.020 χ^2/NDF: 6061828.0/79

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 7.443+/-5.947 χ^2/NDF:29.0/22

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 1.294+/-5.939 χ^2/NDF:27.5/21

Left: 4.365+/-4.203 χ^2/NDF: 57.0/44

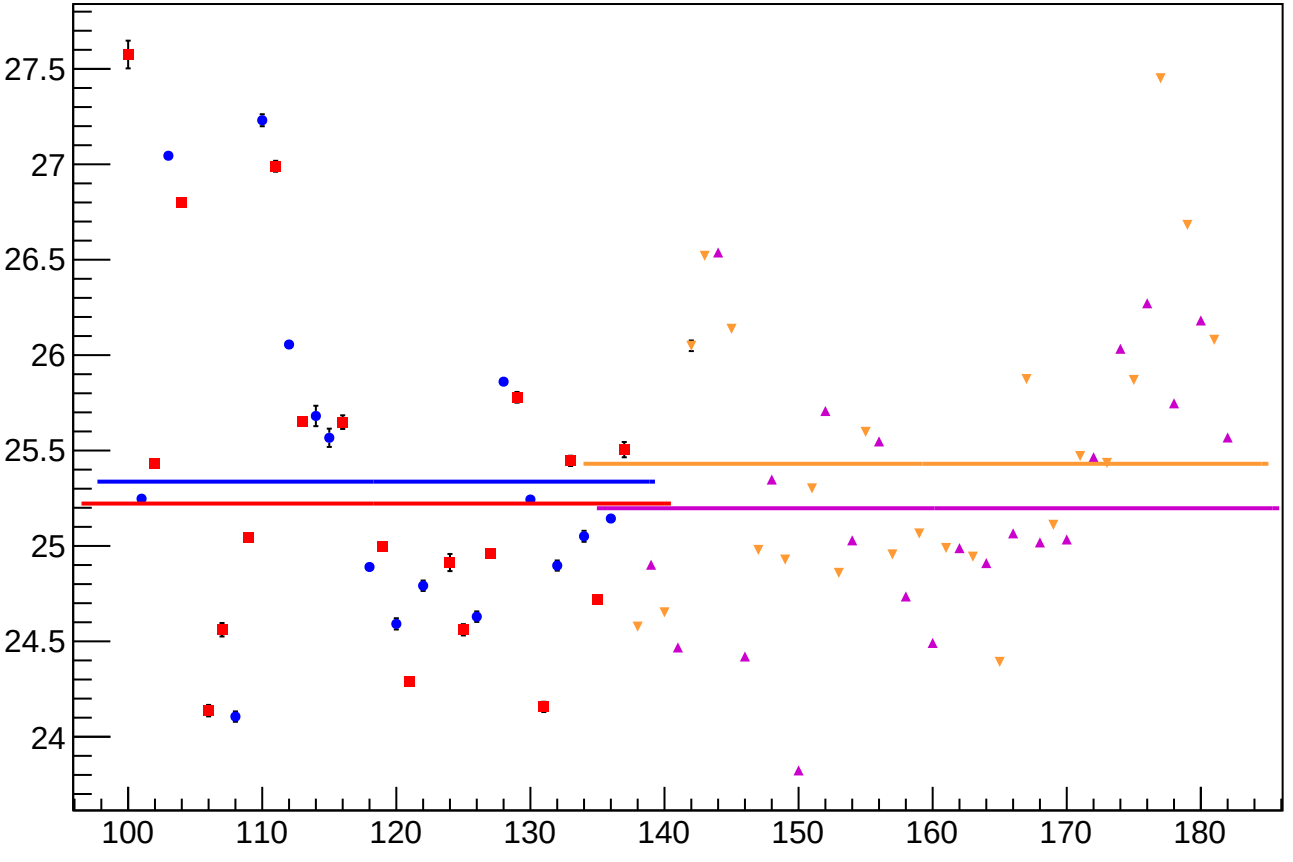
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 1.102+/-5.024 χ^2/NDF:44.2/37

Out: 10.624+/-4.996 χ^2/NDF:47.9/41

All: 5.890+/-3.543 χ^2/NDF: 94.0/79

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: 25.431+/-0.004 χ^2/NDF:29071.2/22

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.198+/-0.004 χ^2/NDF:25515.1/21

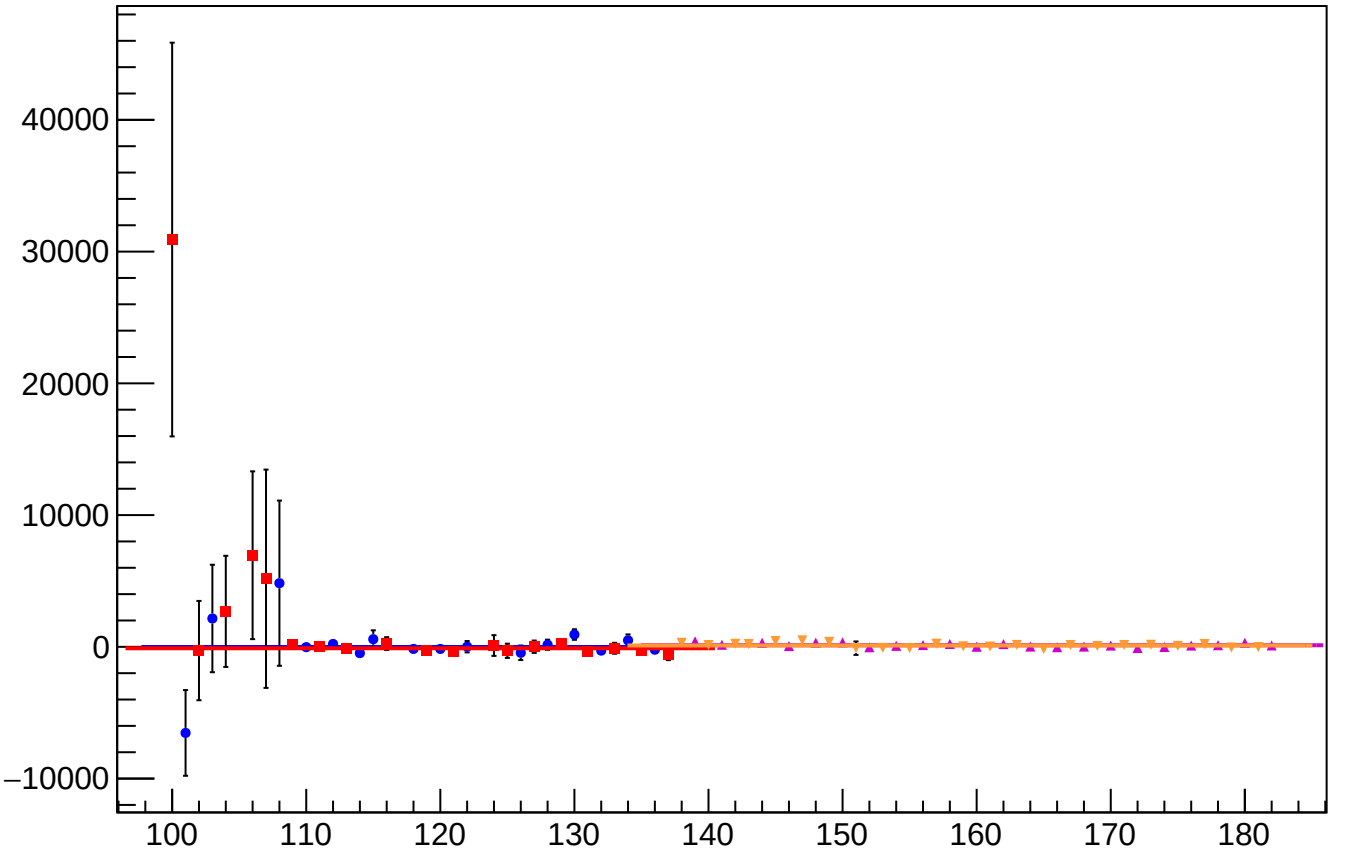
Left: 25.314+/-0.003 χ^2/NDF: 56123.3/44

Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.237+/-0.004 χ^2/NDF:40143.6/37

Out: 25.369+/-0.004 χ^2/NDF:45018.8/41

All: 25.304+/-0.003 χ^2/NDF: 85856.5/79



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 103.737+/-49.337 χ^2/NDF:8.9/22

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 121.821+/-45.394 χ^2/NDF:7.5/21

Left: 113.530+/-33.405 χ^2/NDF: 16.5/44

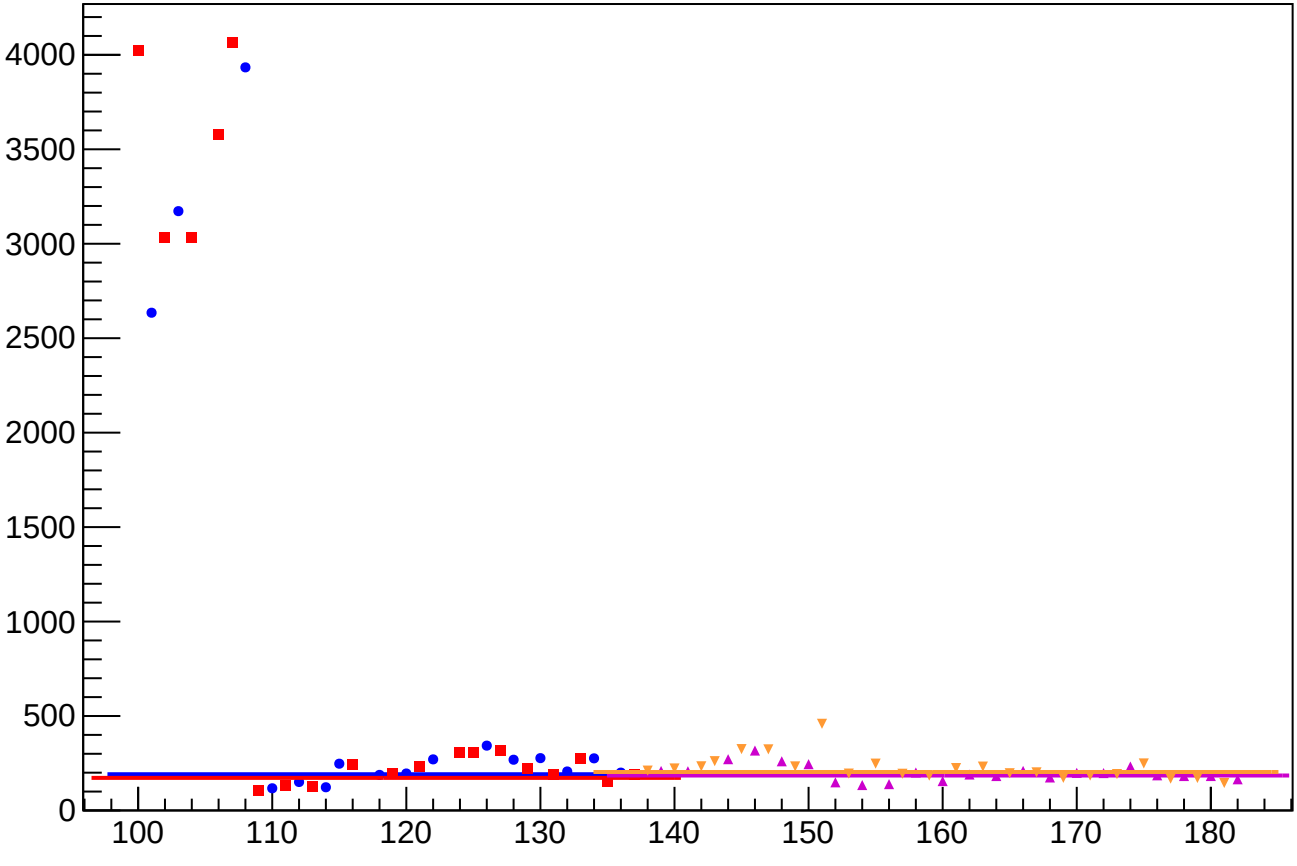
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 91.191+/-40.010 χ^2/NDF:27.9/37

Out: 43.105+/-41.711 χ^2/NDF:28.2/41

All: 68.148+/-28.874 χ^2/NDF: 56.8/79

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: 203.608+/-0.035 χ^2/NDF:1718706.6/22

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 184.991+/-0.032 χ^2/NDF:1431424.1/21

Left: 193.526+/-0.024 χ^2/NDF: 3304352.8/44

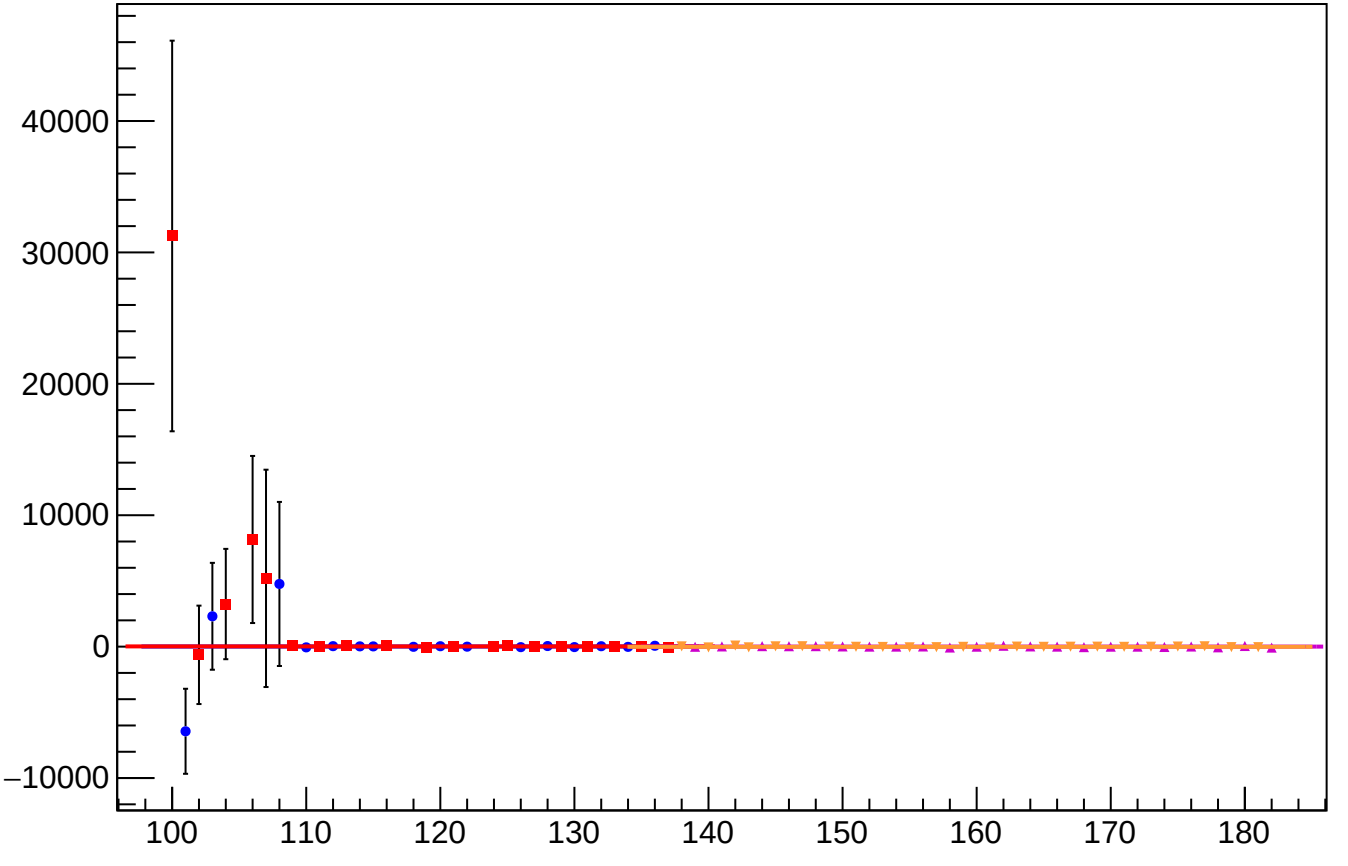
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 186.496+/-0.028 χ^2/NDF:5263080.0/37

Out: 194.724+/-0.029 χ^2/NDF:6249188.2/41

All: 190.439+/-0.020 χ^2/NDF: 11552799.2/79

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: -13.638+/-6.696 χ^2/NDF:21.3/22

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 2.128+/-6.759 χ^2/NDF:28.3/21

Left: -5.828+/-4.757 χ^2/NDF: 52.4/44

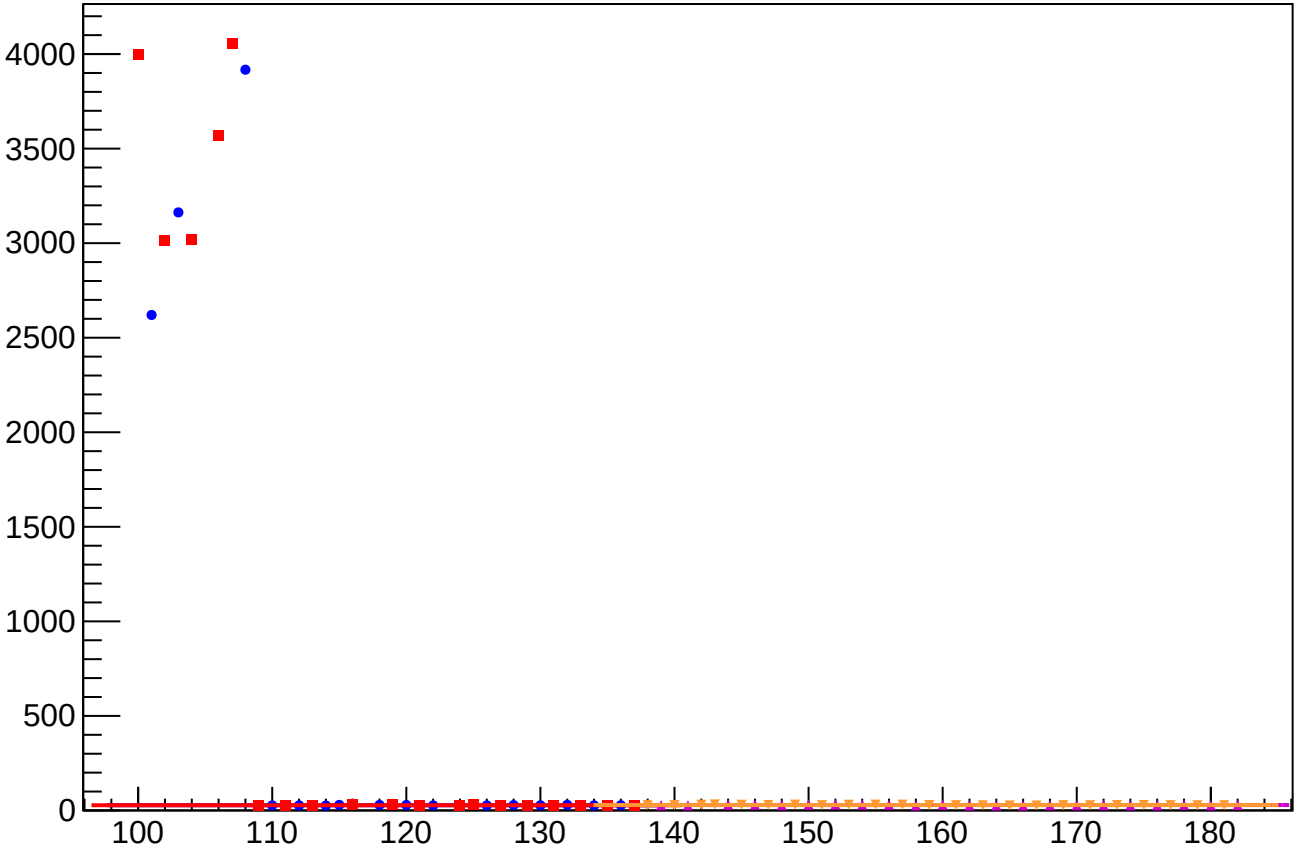
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 3.995+/-5.850 χ^2/NDF:44.6/37

Out: -5.911+/-5.824 χ^2/NDF:51.6/41

All: -0.980+/-4.128 χ^2/NDF: 97.6/79

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: 28.586+/-0.005 χ^2/NDF:88130.1/22

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.605+/-0.005 χ^2/NDF:122927.7/21

Left: 28.596+/-0.003 χ^2/NDF: 211066.3/44

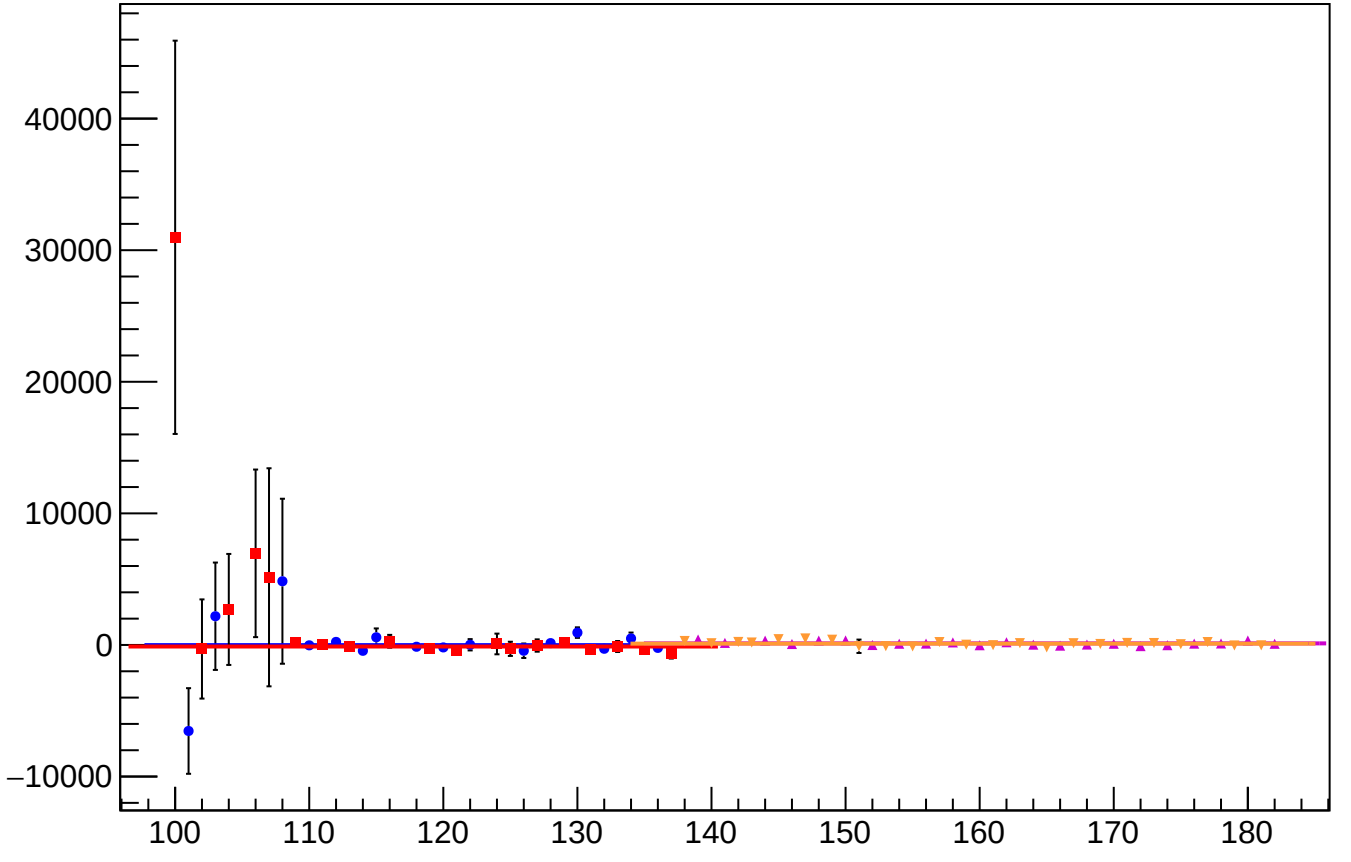
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.364+/-0.004 χ^2/NDF:3398622.2/37

Out: 28.330+/-0.004 χ^2/NDF:3655359.9/41

All: 28.347+/-0.003 χ^2/NDF: 7054015.7/79

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: 99.697+/-49.227 χ^2/NDF:9.6/22

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 119.920+/-45.307 χ^2/NDF:8.1/21

Left: 110.646+/-33.337 χ^2/NDF: 17.8/44

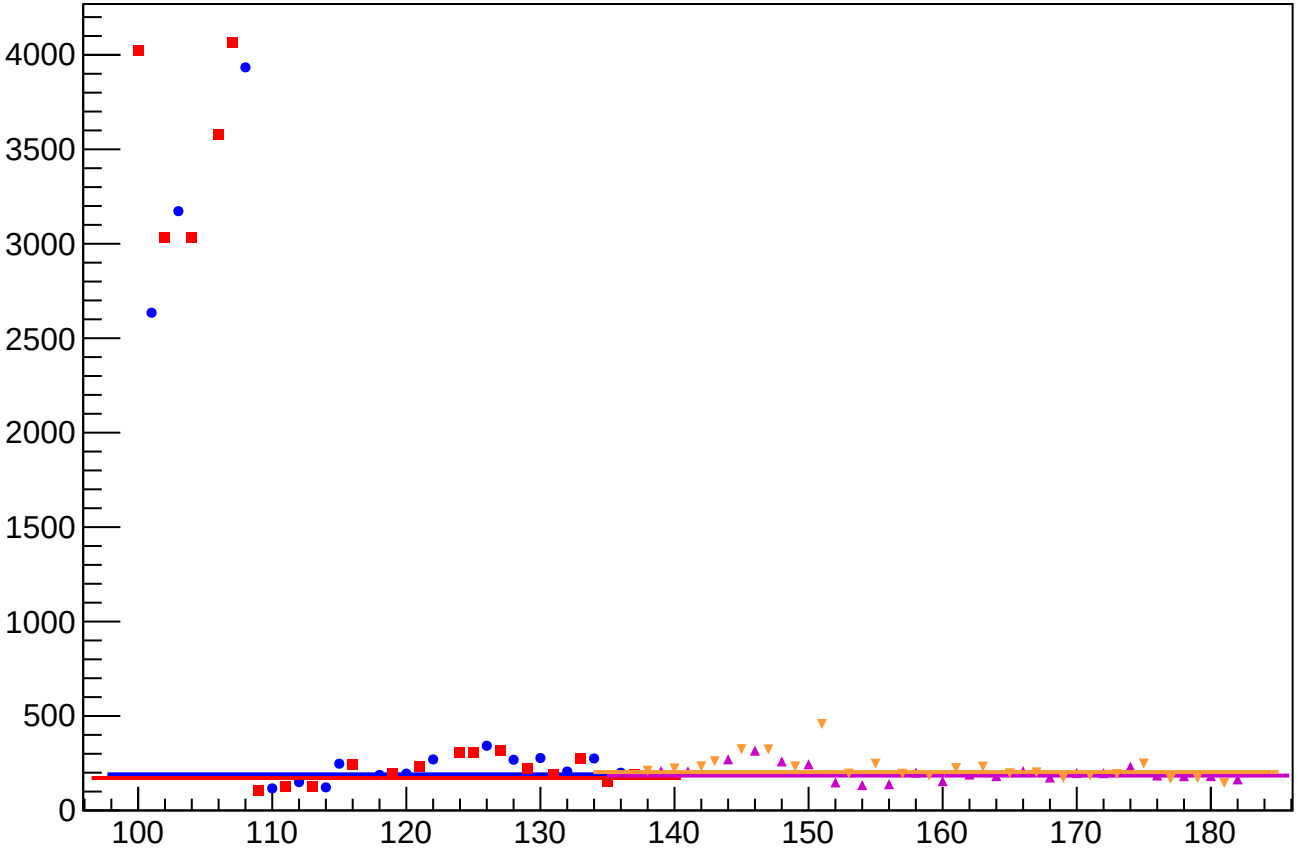
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 90.180+/-39.925 χ^2/NDF:28.4/37

Out: 37.511+/-41.609 χ^2/NDF:29.7/41

All: 64.933+/-28.808 χ^2/NDF: 58.9/79

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: 203.155+/-0.035 χ^2/NDF:1719329.2/22

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 184.640+/-0.032 χ^2/NDF:1430643.9/21

Left: 193.131+/-0.024 χ^2/NDF: 3303149.3/44

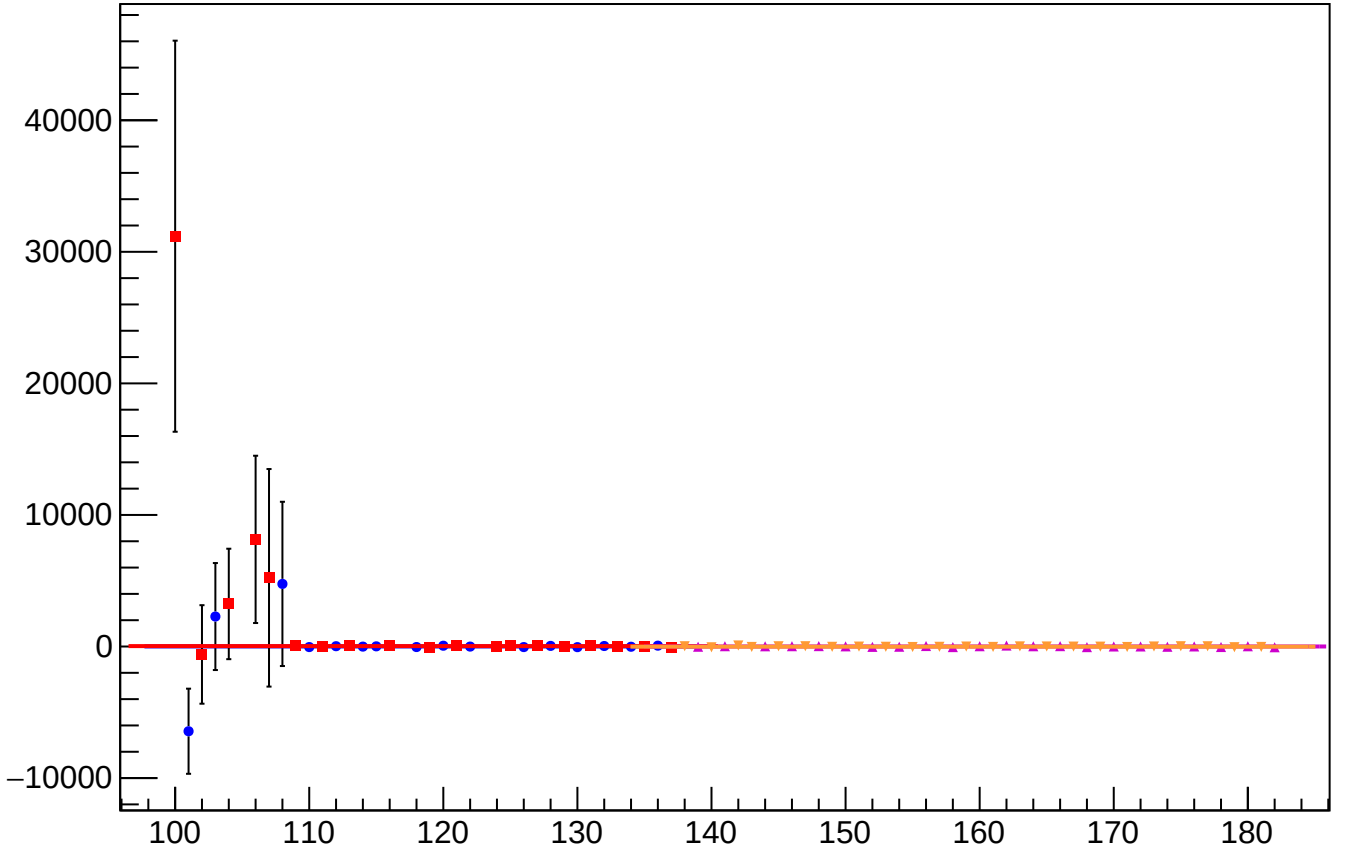
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 186.077+/-0.028 χ^2/NDF:5273598.9/37

Out: 194.211+/-0.029 χ^2/NDF:6265243.7/41

All: 189.976+/-0.020 χ^2/NDF: 11578637.3/79

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: -10.262+/-6.728 χ^2/NDF:16.4/22

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 2.964+/-6.788 χ^2/NDF:22.0/21

Left: -3.708+/-4.778 χ^2/NDF: 40.3/44

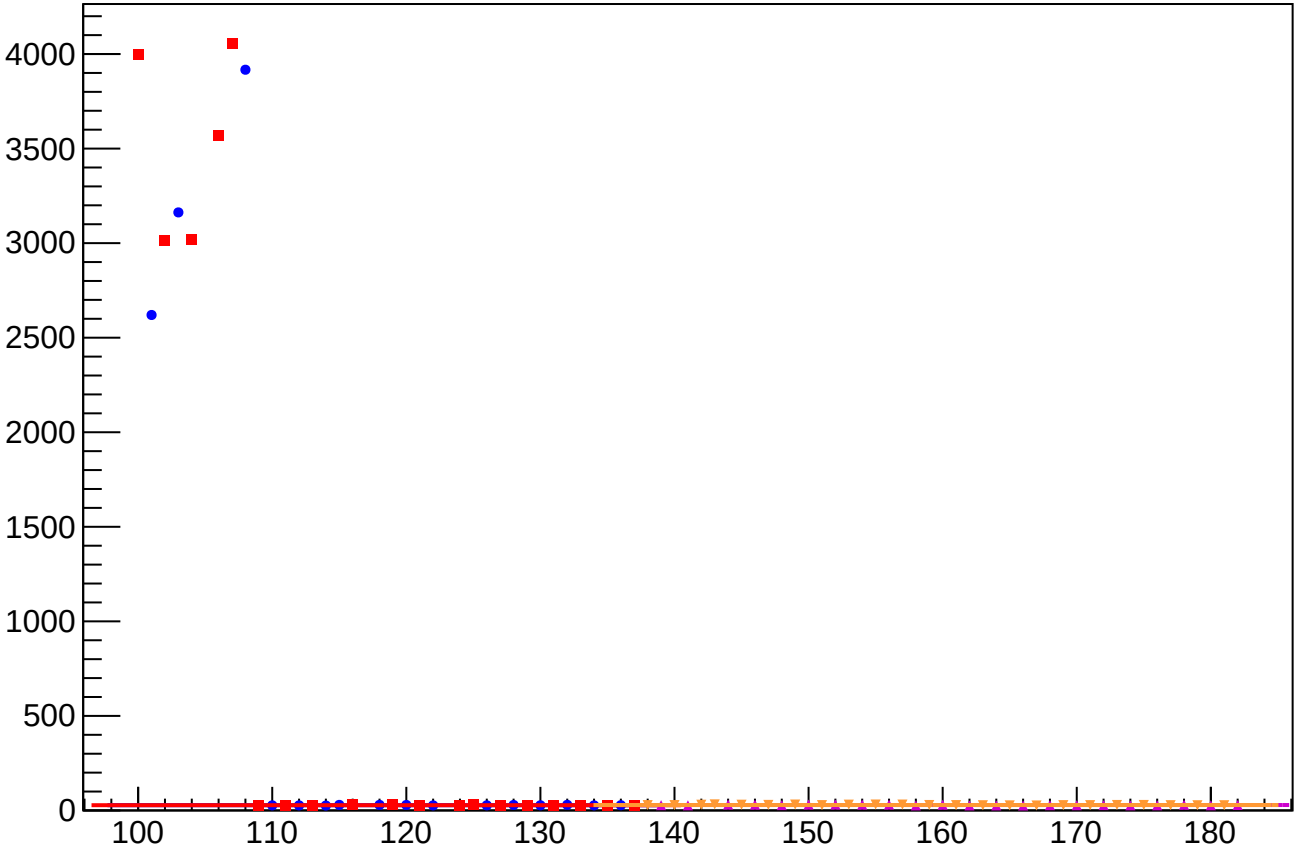
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 3.844+/-5.880 χ^2/NDF:40.3/37

Out: -0.279+/-5.857 χ^2/NDF:45.3/41

All: 1.775+/-4.149 χ^2/NDF: 85.9/79

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.715+/-0.005 χ^2/NDF:98814.1/22

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.730+/-0.005 χ^2/NDF:127373.2/21

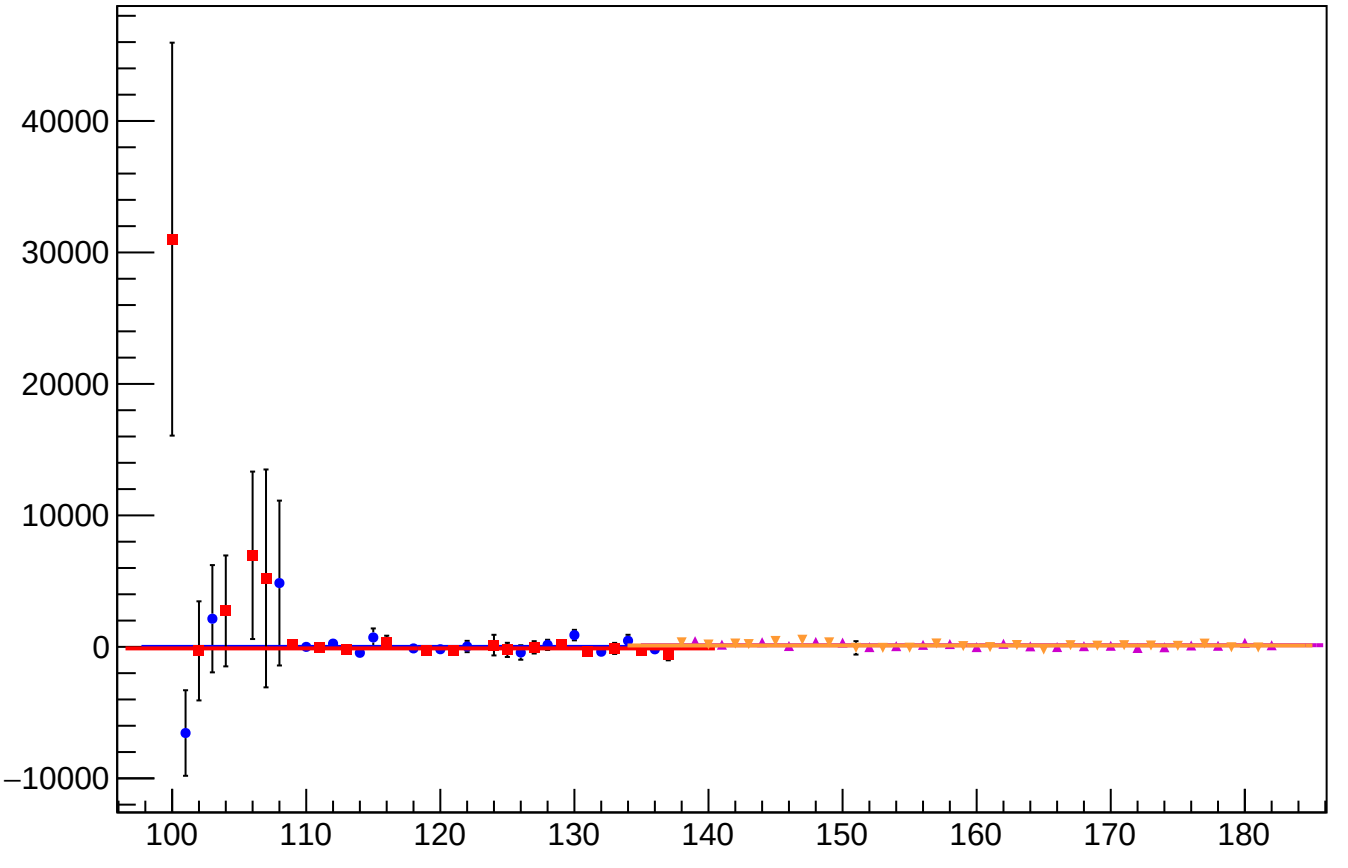
Left: 28.722+/-0.003 χ^2/NDF: 226191.7/44

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.504+/-0.004 χ^2/NDF:3402142.8/37

Out: 28.482+/-0.004 χ^2/NDF:3667390.5/41

All: 28.493+/-0.003 χ^2/NDF: 7069546.3/79



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 107.129+/-49.697 χ^2/NDF:9.9/22

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 126.479+/-45.791 χ^2/NDF:8.2/21

Left: 117.594+/-33.676 χ^2/NDF: 18.2/44

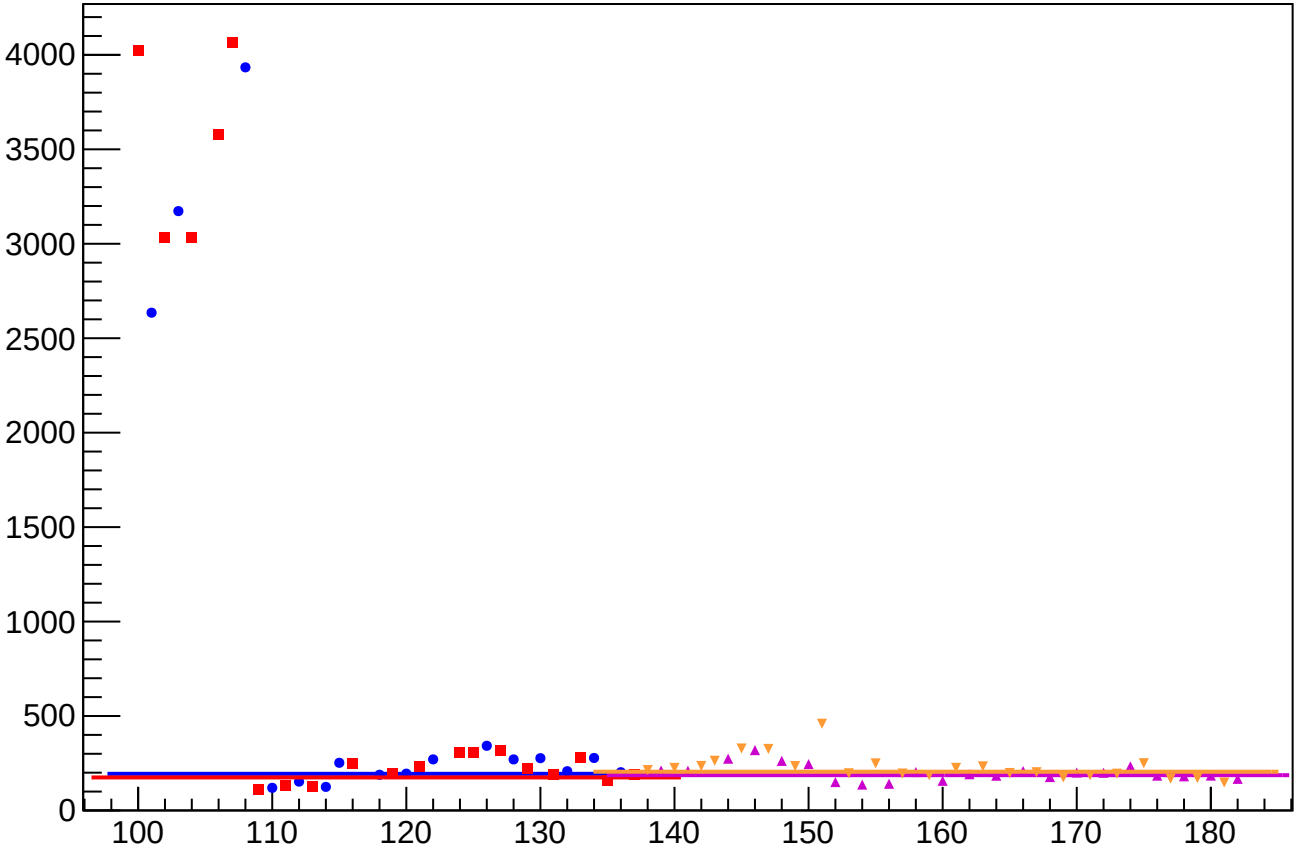
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 97.668+/-40.367 χ^2/NDF:28.2/37

Out: 43.880+/-42.058 χ^2/NDF:29.4/41

All: 71.877+/-29.124 χ^2/NDF: 58.5/79

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: 205.176+/-0.035 χ^2/NDF:1706606.4/22

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 186.748+/-0.032 χ^2/NDF:1399285.8/21

Left: 195.210+/-0.024 χ^2/NDF: 3254623.6/44

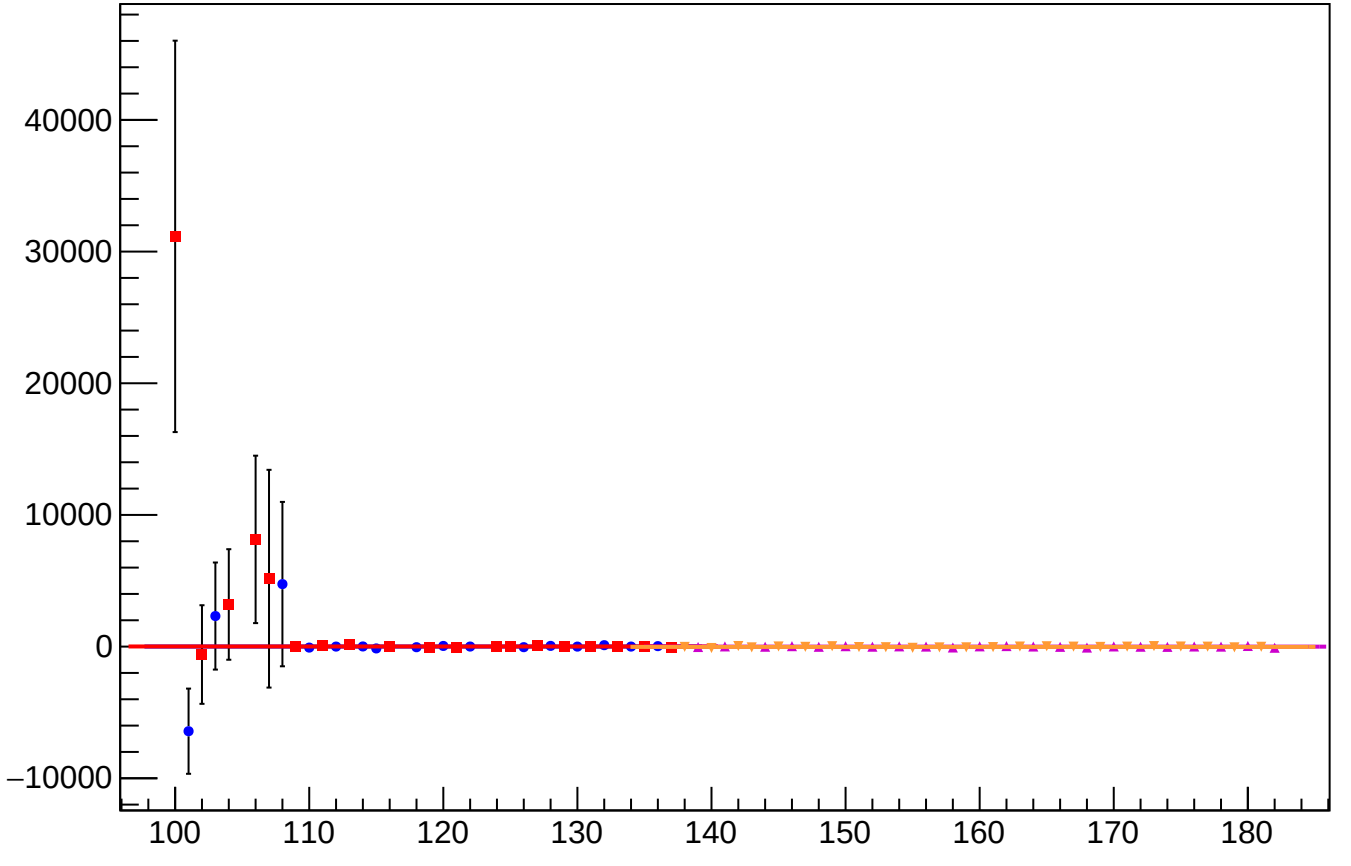
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 188.352+/-0.029 χ^2/NDF:5194767.4/37

Out: 196.551+/-0.030 χ^2/NDF:6178258.9/41

All: 192.283+/-0.021 χ^2/NDF: 11412578.9/79

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: -23.345+/-8.049 χ^2/NDF:21.6/22

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: -3.520+/-8.148 χ^2/NDF:18.7/21

Left: -13.554+/-5.726 χ^2/NDF: 43.3/44

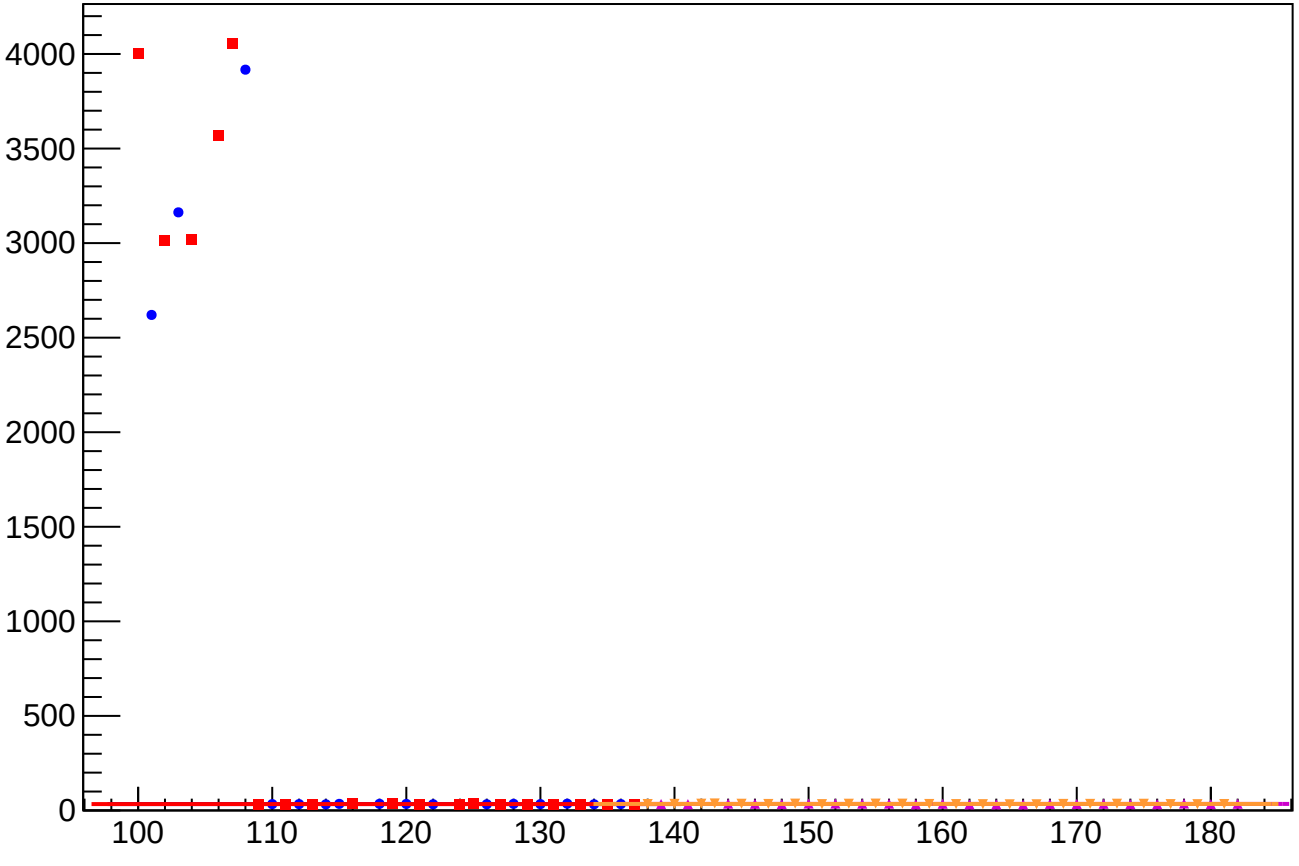
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: -1.271+/-7.080 χ^2/NDF:36.5/37

Out: -15.434+/-7.030 χ^2/NDF:49.1/41

All: -8.403+/-4.989 χ^2/NDF: 87.5/79

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.406+/-0.006 χ^2/NDF:44056.6/22

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.545+/-0.006 χ^2/NDF:59185.2/21

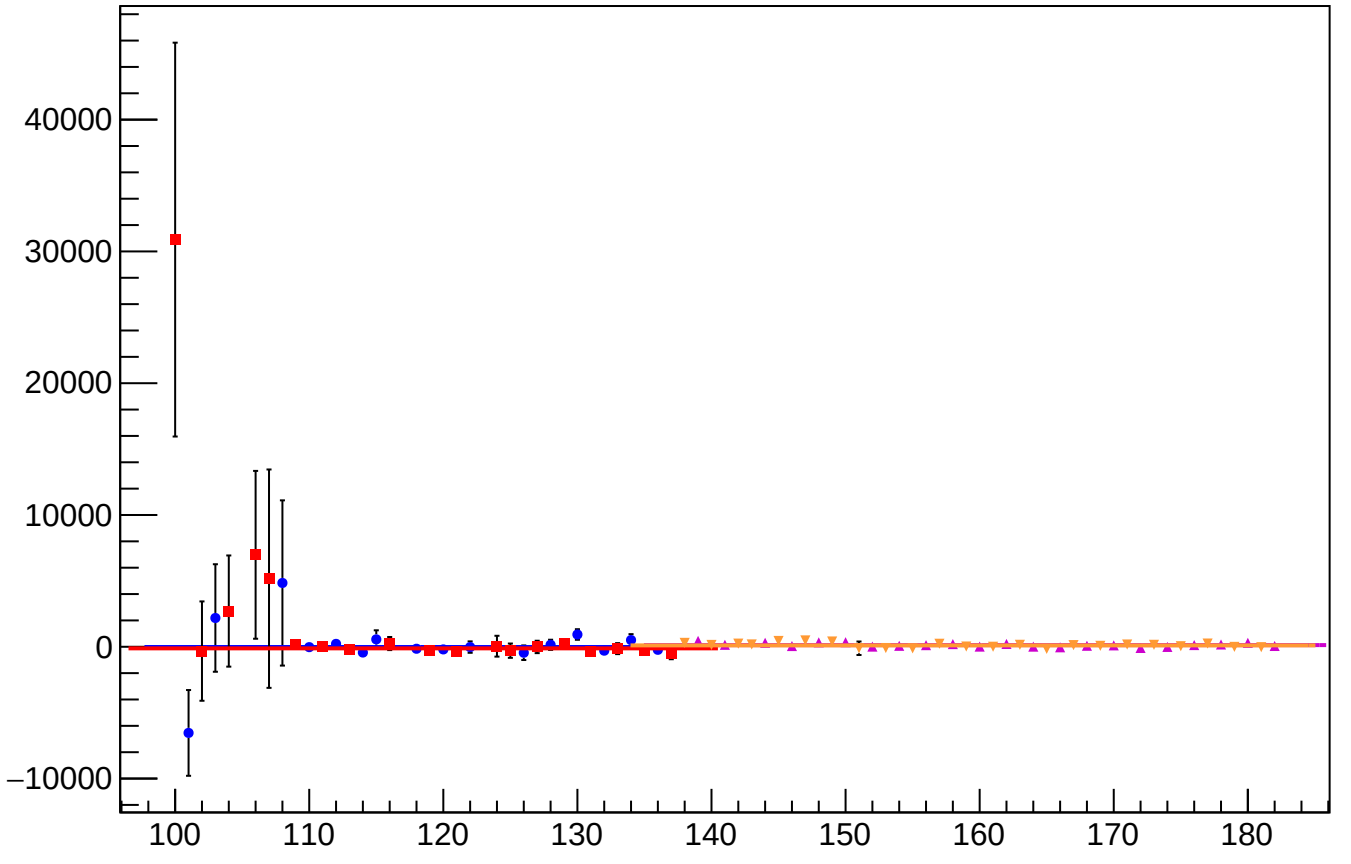
Left: 34.475+/-0.004 χ^2/NDF: 103534.7/44

Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.387+/-0.005 χ^2/NDF:3306641.6/37

Out: 34.245+/-0.005 χ^2/NDF:3573909.1/41

All: 34.315+/-0.004 χ^2/NDF: 6880955.0/79



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 105.808+/-49.645 χ^2/NDF:9.4/22

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 127.282+/-45.724 χ^2/NDF:7.6/21

Left: 117.427+/-33.633 χ^2/NDF: 17.1/44

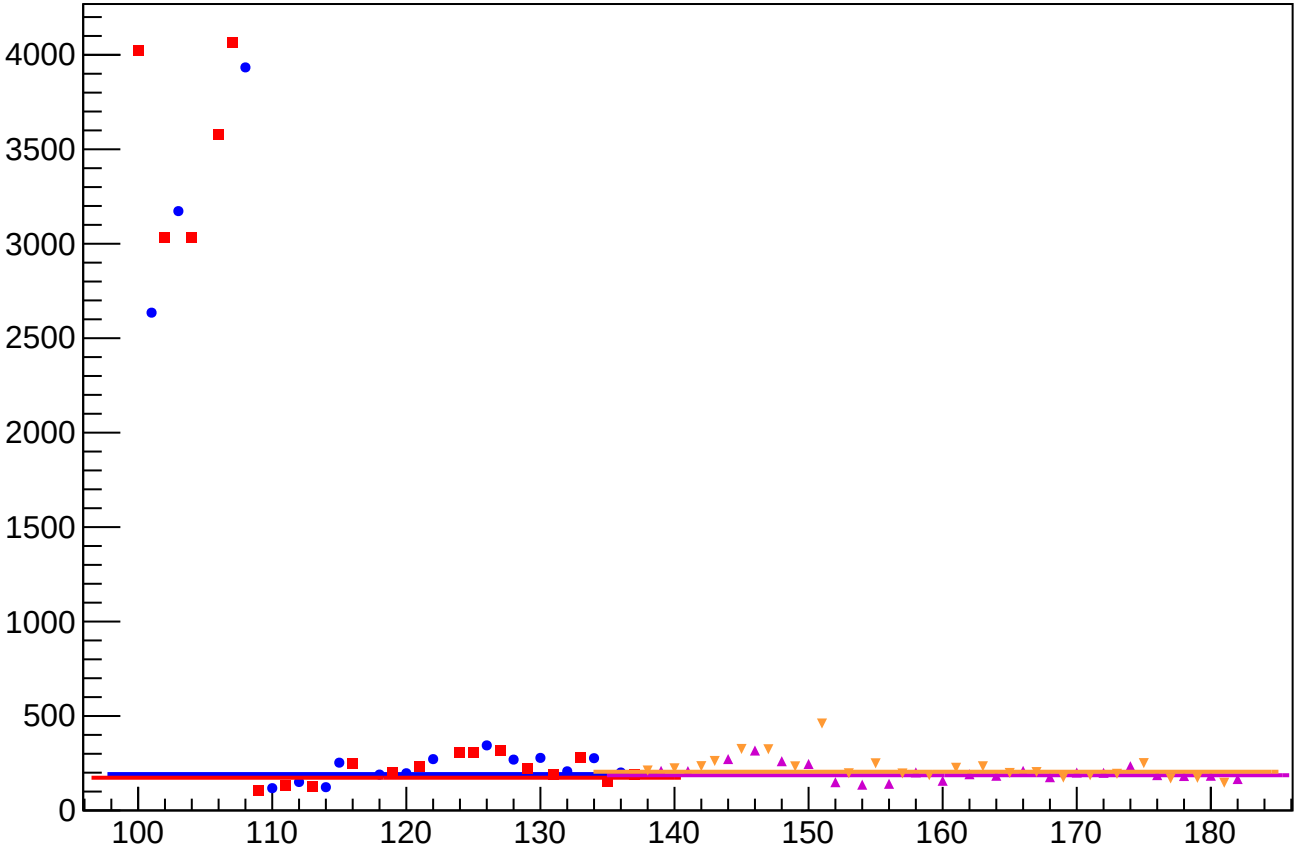
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 94.373+/-40.274 χ^2/NDF:28.1/37

Out: 41.265+/-41.952 χ^2/NDF:28.6/41

All: 68.902+/-29.053 χ^2/NDF: 57.5/79

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: 204.977+/-0.035 χ^2/NDF:1695409.7/22

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 186.467+/-0.032 χ^2/NDF:1390679.8/21

Left: 194.962+/-0.024 χ^2/NDF: 3236521.1/44

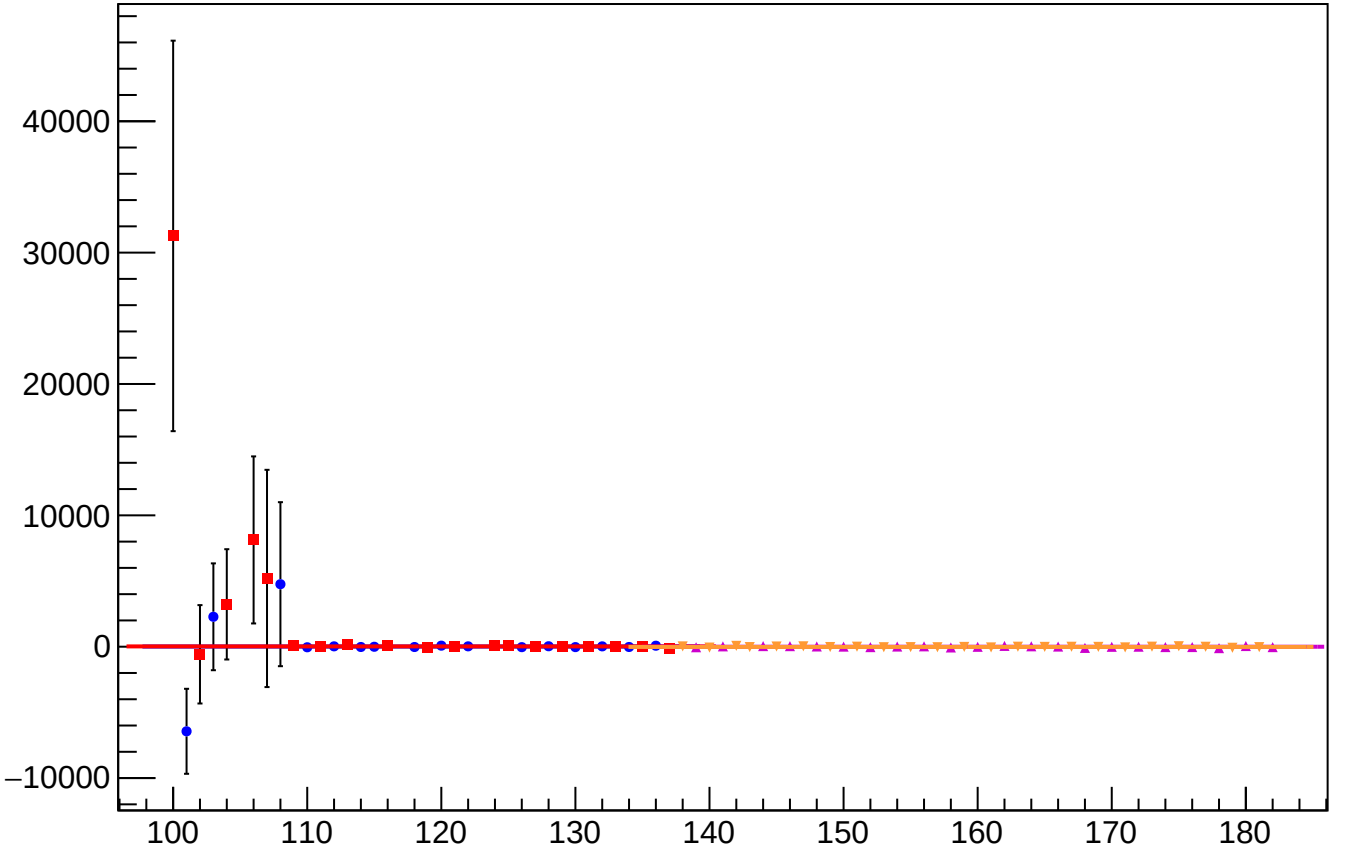
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 187.833+/-0.028 χ^2/NDF:5221430.8/37

Out: 195.905+/-0.030 χ^2/NDF:6236403.1/41

All: 191.704+/-0.021 χ^2/NDF: 11496370.2/79

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: -17.241+/-7.333 χ^2/NDF:19.1/22

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: -2.824+/-7.407 χ^2/NDF:35.5/21

Left: -10.105+/-5.211 χ^2/NDF: 56.5/44

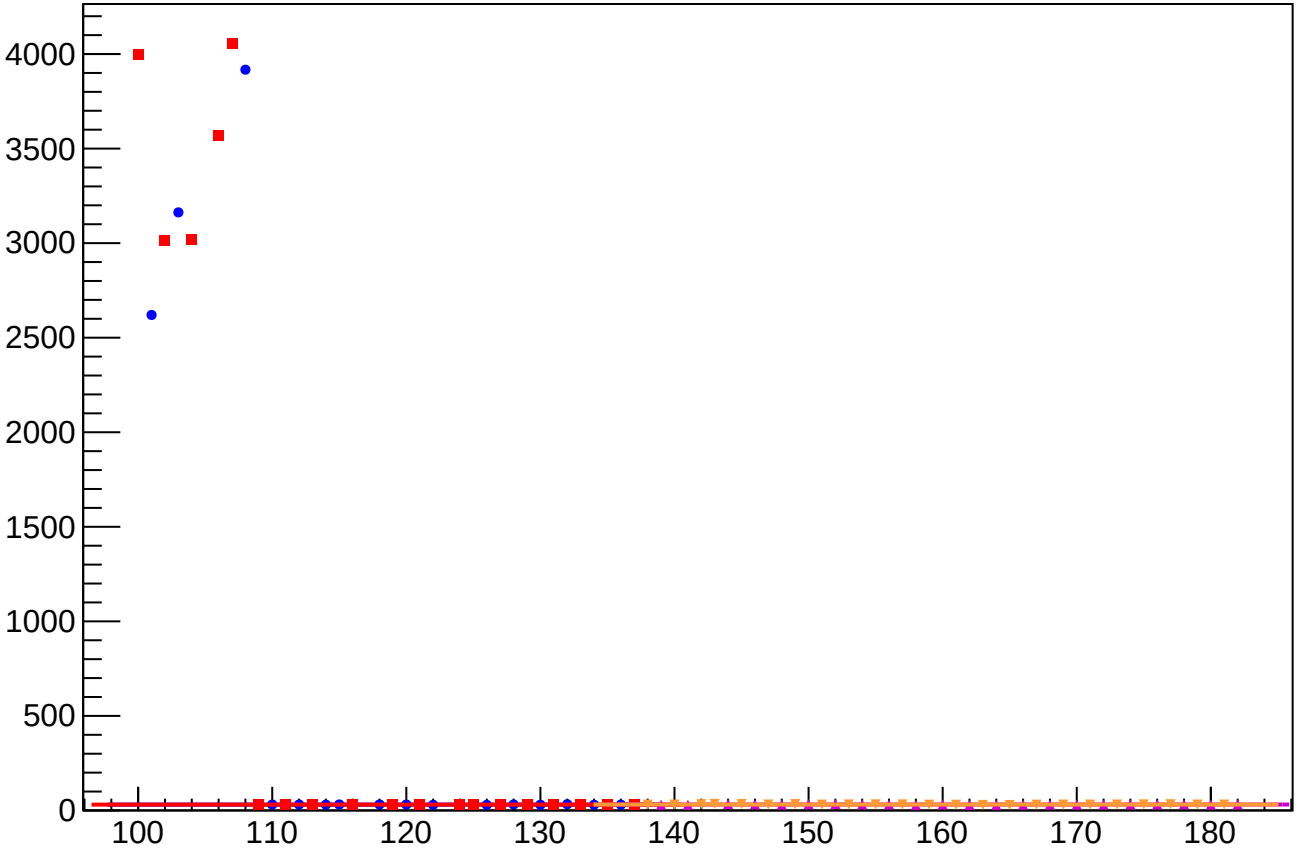
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 1.199+/-6.443 χ^2/NDF:52.2/37

Out: -7.676+/-6.408 χ^2/NDF:55.0/41

All: -3.262+/-4.543 χ^2/NDF: 108.1/79

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: 31.324+/-0.005 χ^2/NDF:62732.8/22

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.373+/-0.005 χ^2/NDF:85124.7/21

Left: 31.348+/-0.004 χ^2/NDF: 147901.0/44

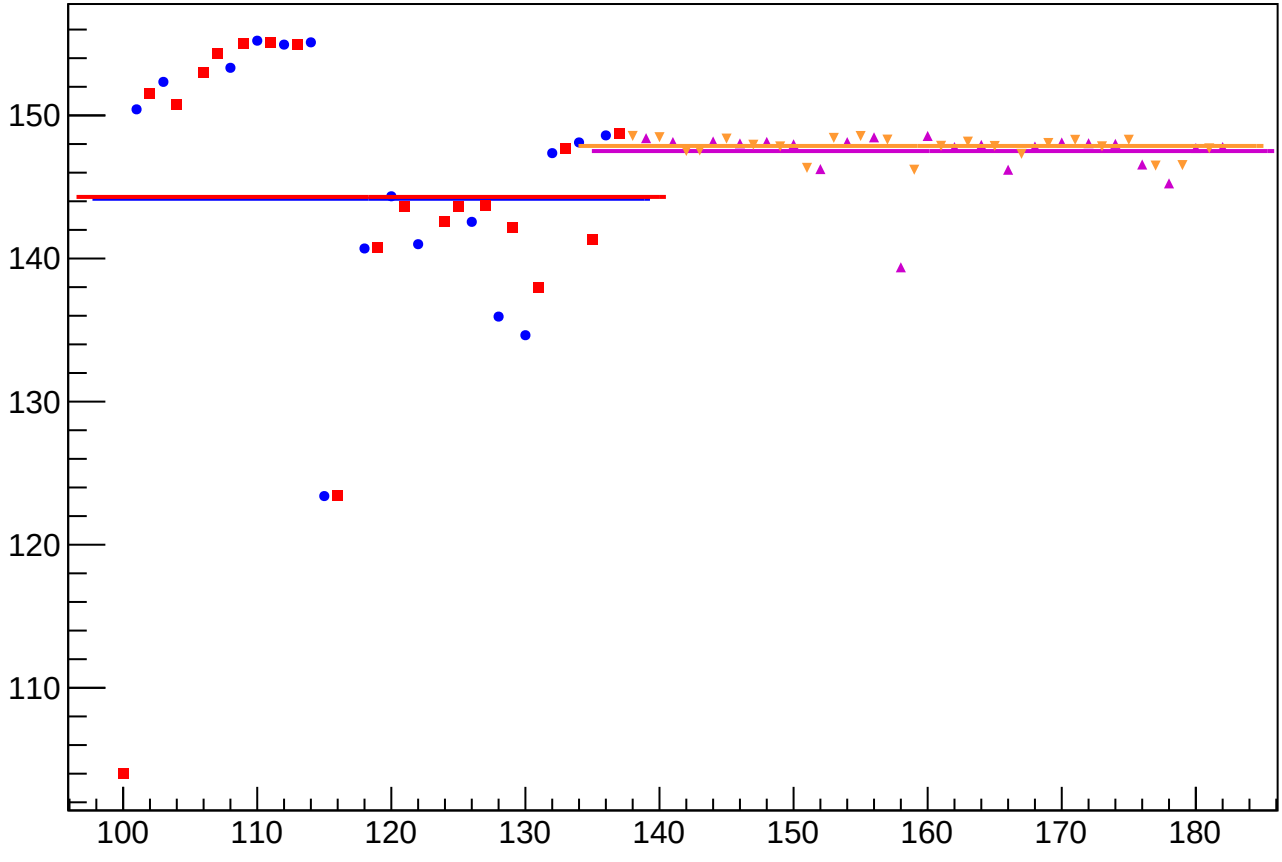
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.265+/-0.005 χ^2/NDF:3339483.3/37

Out: 31.195+/-0.005 χ^2/NDF:3601598.3/41

All: 31.229+/-0.003 χ^2/NDF: 6941199.8/79

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.867+/-0.000 χ^2/NDF:44889484.4/22

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.509+/-0.000 χ^2/NDF:306370078.4/21

Left: 147.693+/-0.000 χ^2/NDF: 357105313.3/44

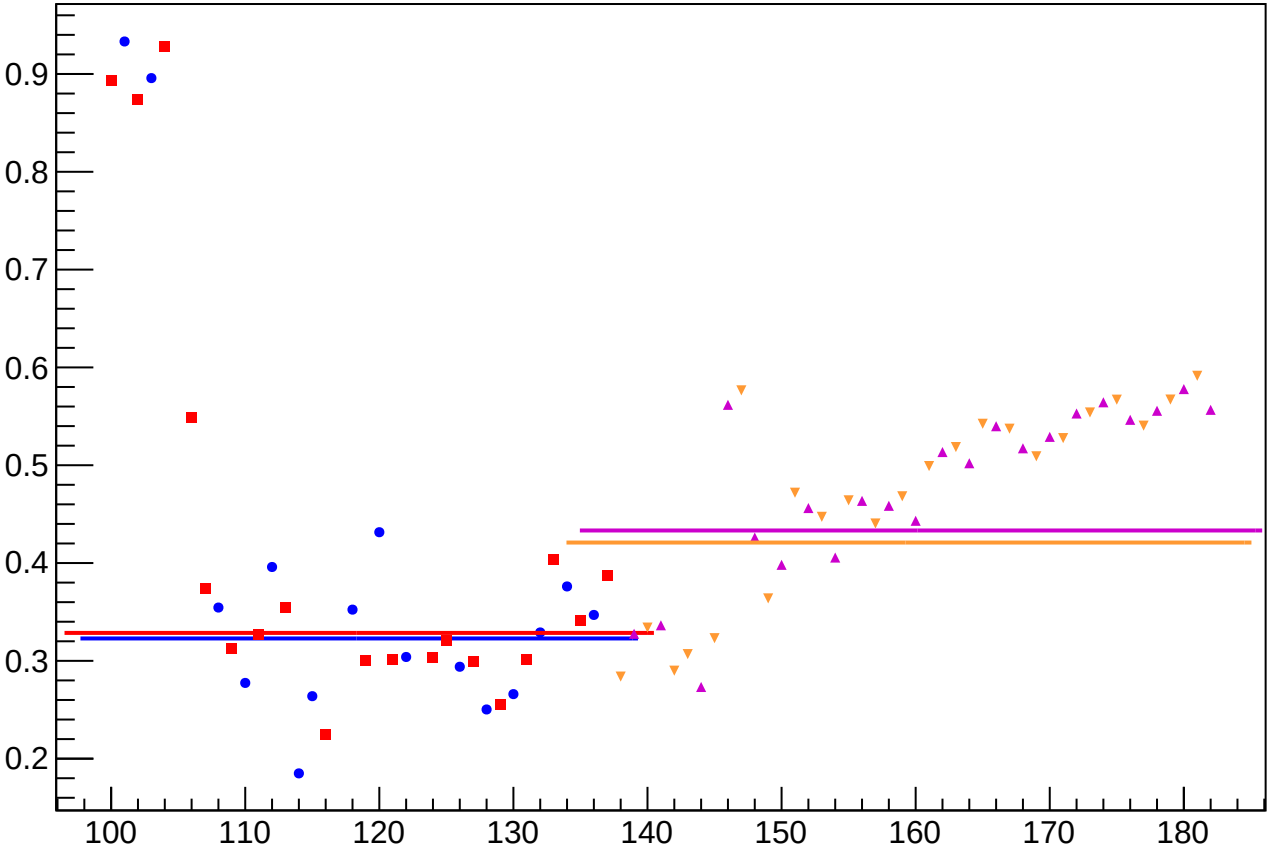
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.202+/-0.000 χ^2/NDF:4416385030.6/37

Out: 146.532+/-0.000 χ^2/NDF:4757444992.1/41

All: 146.370+/-0.000 χ^2/NDF: 9181903199.3

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.421+/-0.000 χ^2/NDF:2061120.5/22

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.433+/-0.000 χ^2/NDF:1721222.7/21

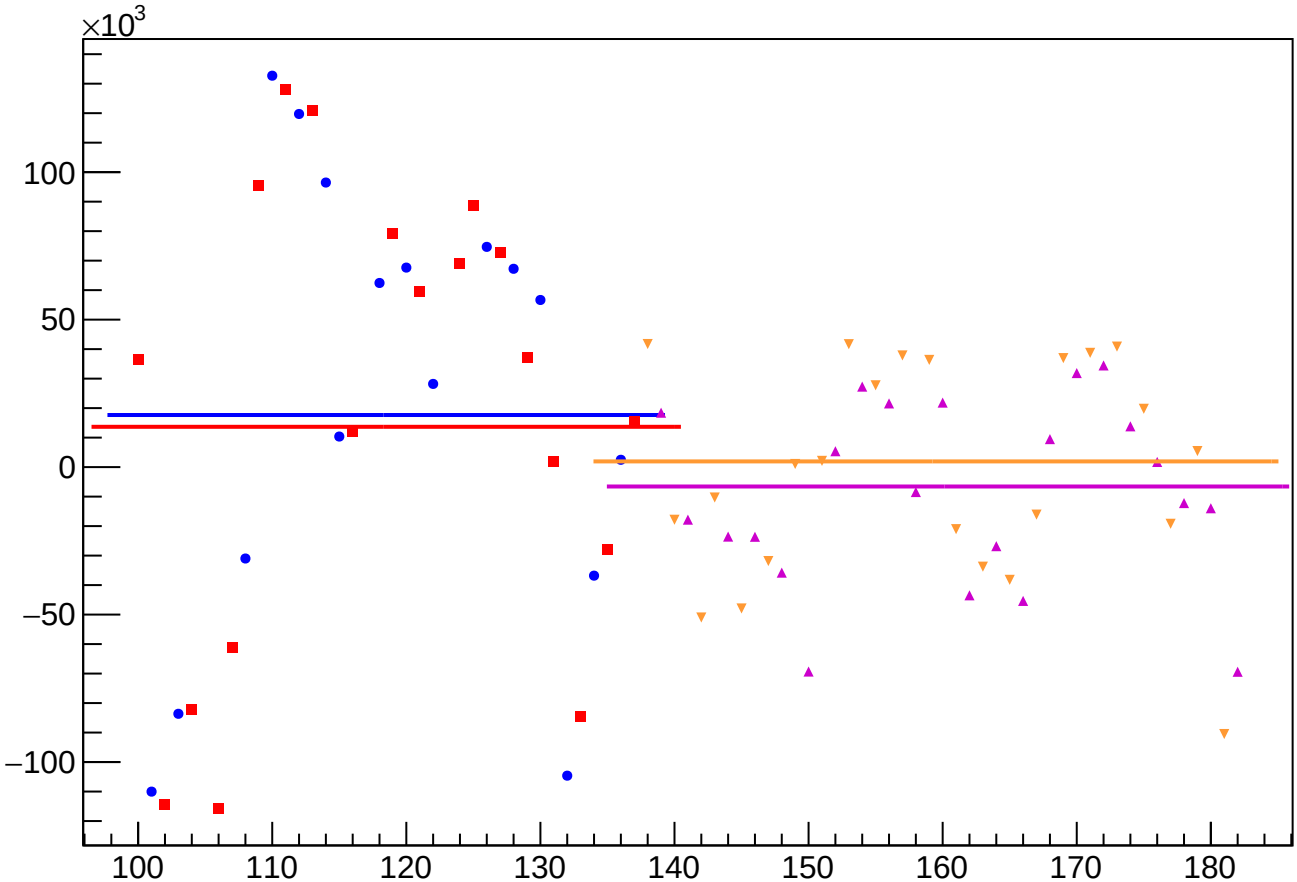
Left: 0.427+/-0.000 χ^2/NDF: 3796227.8/44

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.390+/-0.000 χ^2/NDF:3962835.1/37

Out: 0.386+/-0.000 χ^2/NDF:3968008.0/41

All: 0.388+/-0.000 χ^2/NDF: 7932819.6/79



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 1932.446+/-1.148 χ^2/NDF:907770106.8/22

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -6572.871+/-1.152 χ^2/NDF:675933957.4/21

Left: -2306.473+/-0.813 χ^2/NDF: 1611048561.7/44

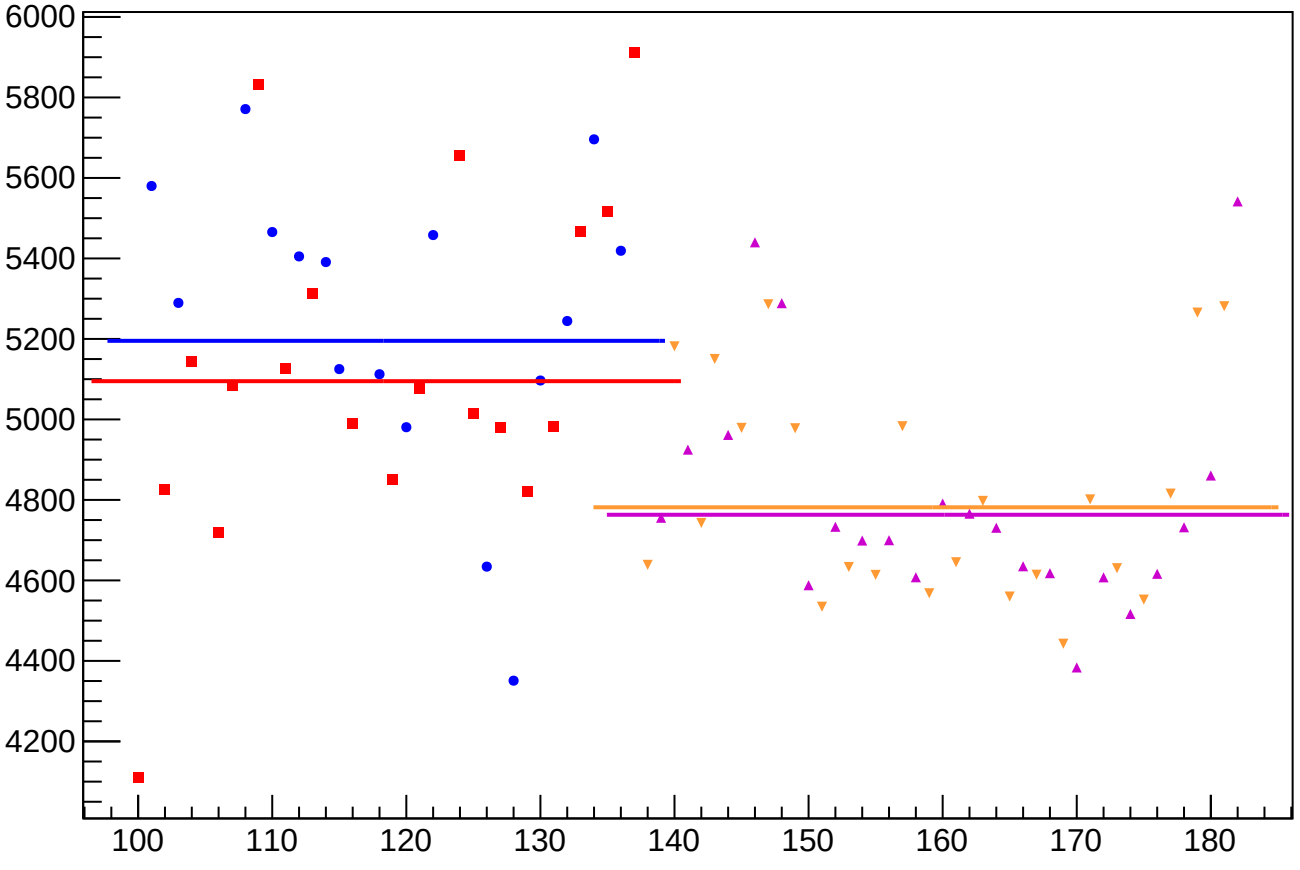
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: -560.183+/-0.999 χ^2/NDF:2184487123.7/37

Out: 5011.981+/-0.986 χ^2/NDF:2792139300.2/41

All: 2261.772+/-0.702 χ^2/NDF: 4992385172.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4781.699+/-0.812 χ^2/NDF:97618.5/22

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4763.092+/-0.815 χ^2/NDF:99466.4/21

Left: 4772.425+/-0.575 χ^2/NDF: 197346.6/44

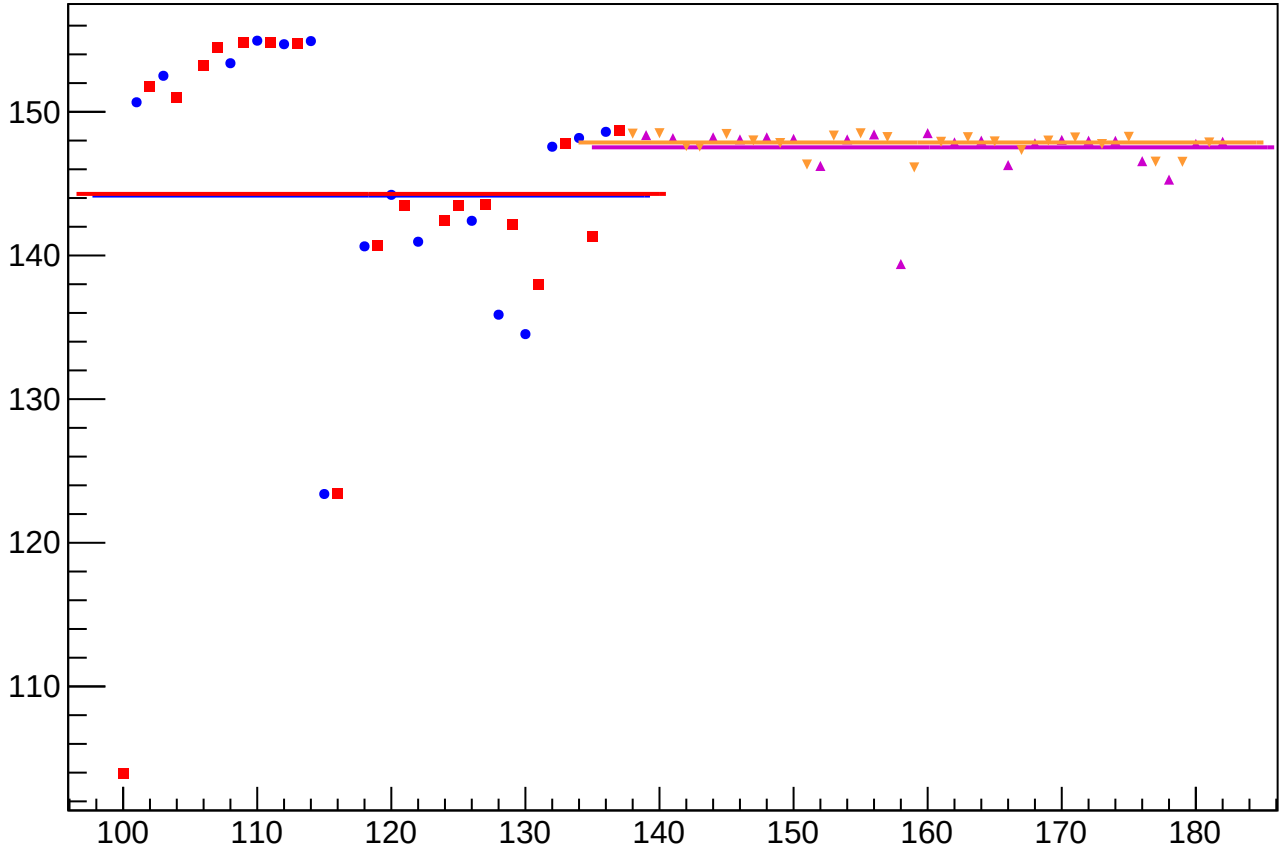
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4870.315+/-0.706 χ^2/NDF:246475.9/37

Out: 4863.937+/-0.697 χ^2/NDF:195819.5/41

All: 4867.085+/-0.496 χ^2/NDF: 442336.7/79

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.867+/-0.000 χ^2/NDF:44452454.0/22

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.528+/-0.000 χ^2/NDF:307003734.4/21

Left: 147.703+/-0.000 χ^2/NDF: 356748647.6/44

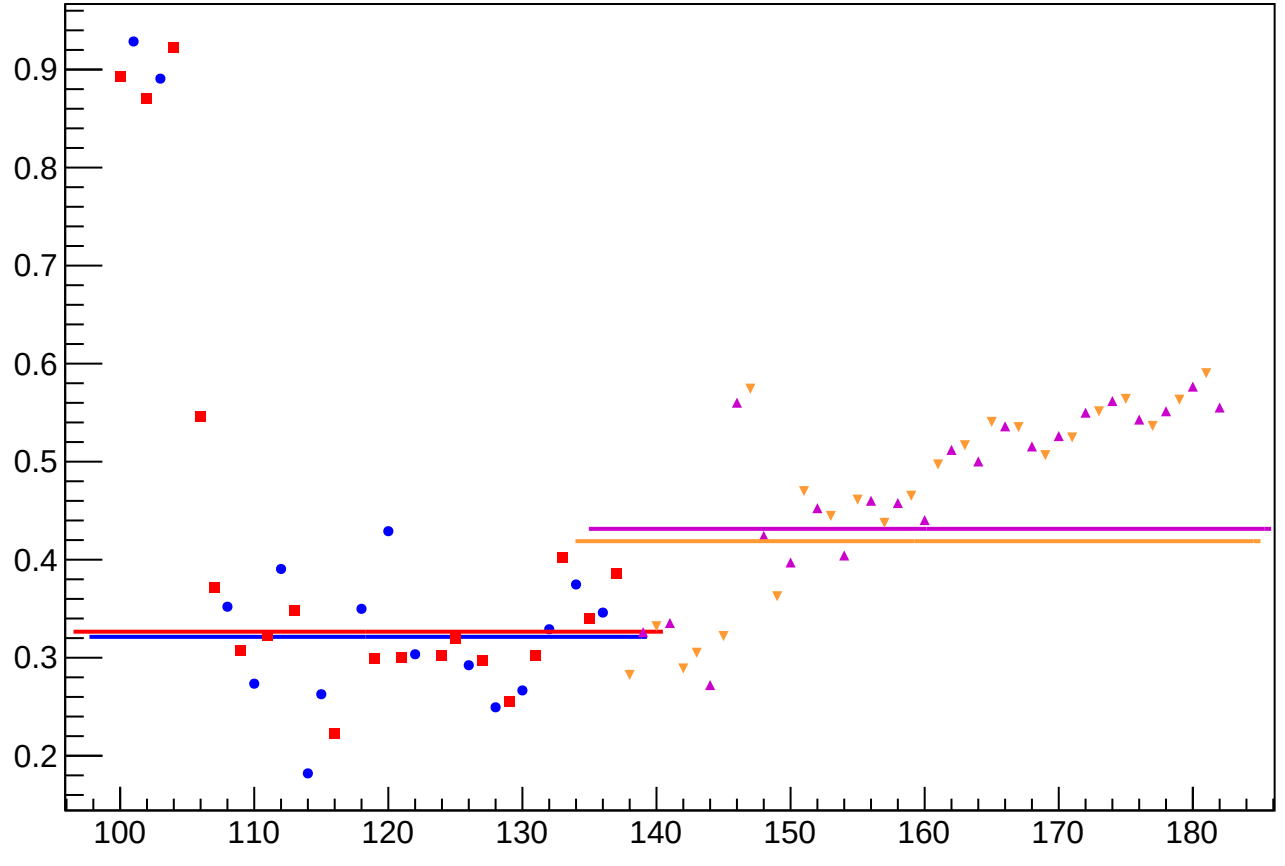
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 146.211+/-0.000 χ^2/NDF:4466303404.1/37

Out: 146.524+/-0.000 χ^2/NDF:4792445424.6/41

All: 146.370+/-0.000 χ^2/NDF: 9266082879.2

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.419+/-0.000 χ^2/NDF:2060178.4/22

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.431+/-0.000 χ^2/NDF:1716934.0/21

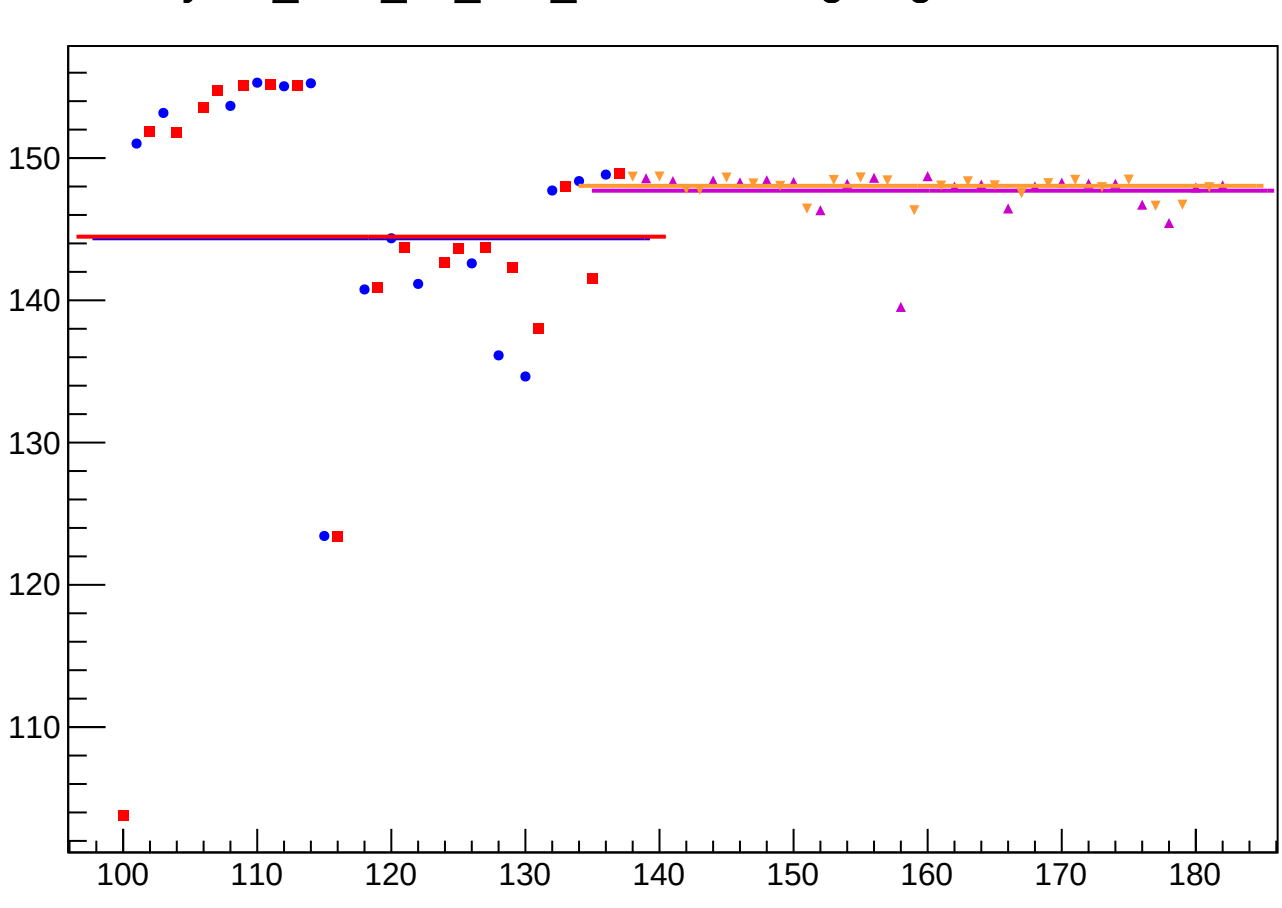
Left: 0.425+/-0.000 χ^2/NDF: 3791654.7/44

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.388+/-0.000 χ^2/NDF:3963190.4/37

Out: 0.384+/-0.000 χ^2/NDF:3971710.7/41

All: 0.386+/-0.000 χ^2/NDF: 7937246.9/79



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.048+/-0.000 χ^2/NDF:44895834.2/22

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.707+/-0.000 χ^2/NDF:311733046.7/21

Left: 147.883+/-0.000 χ^2/NDF: 361938247.4/44

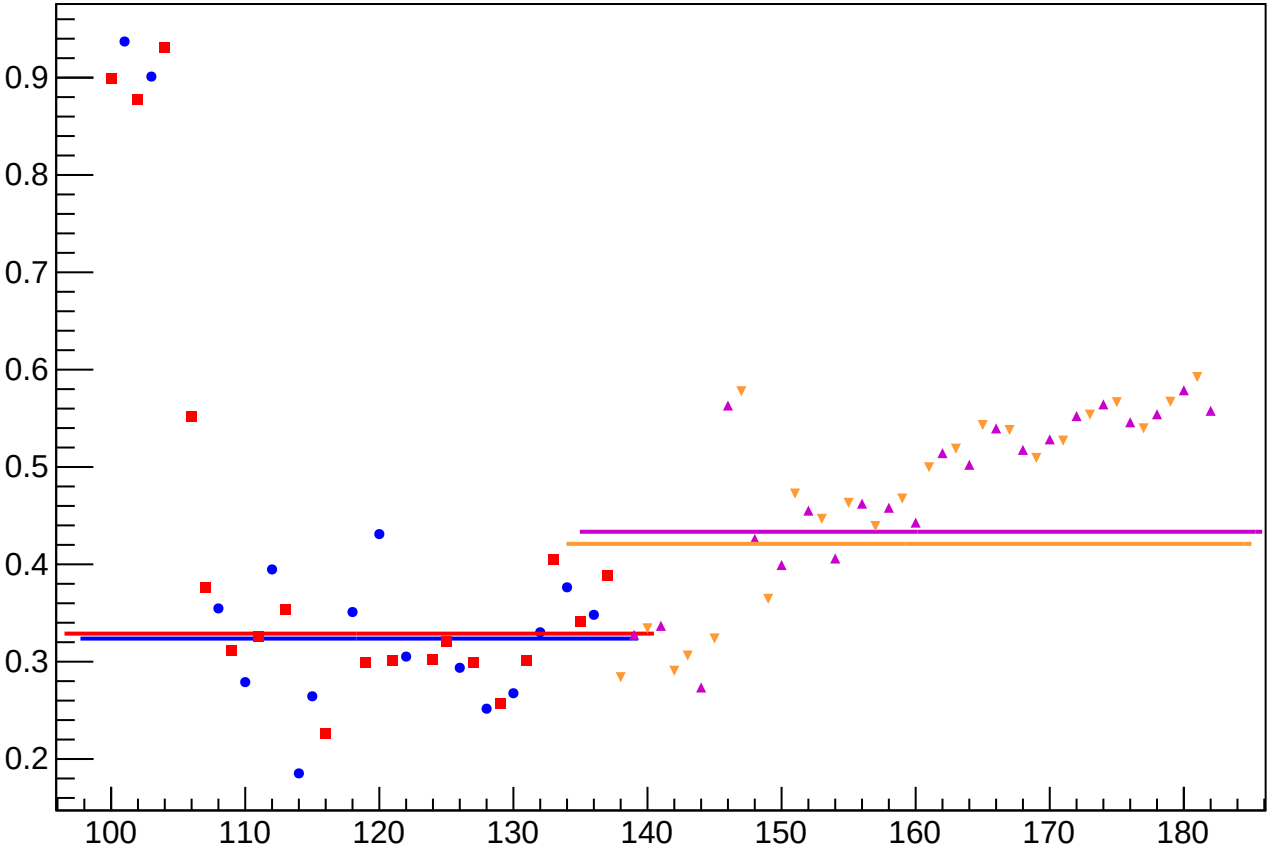
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.398+/-0.000 χ^2/NDF:4457647799.0/37

Out: 146.711+/-0.000 χ^2/NDF:4777292425.6/41

All: 146.557+/-0.000 χ^2/NDF: 9242168248.3

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.421+/-0.000 χ^2/NDF:2057220.7/22

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.433+/-0.000 χ^2/NDF:1715590.3/21

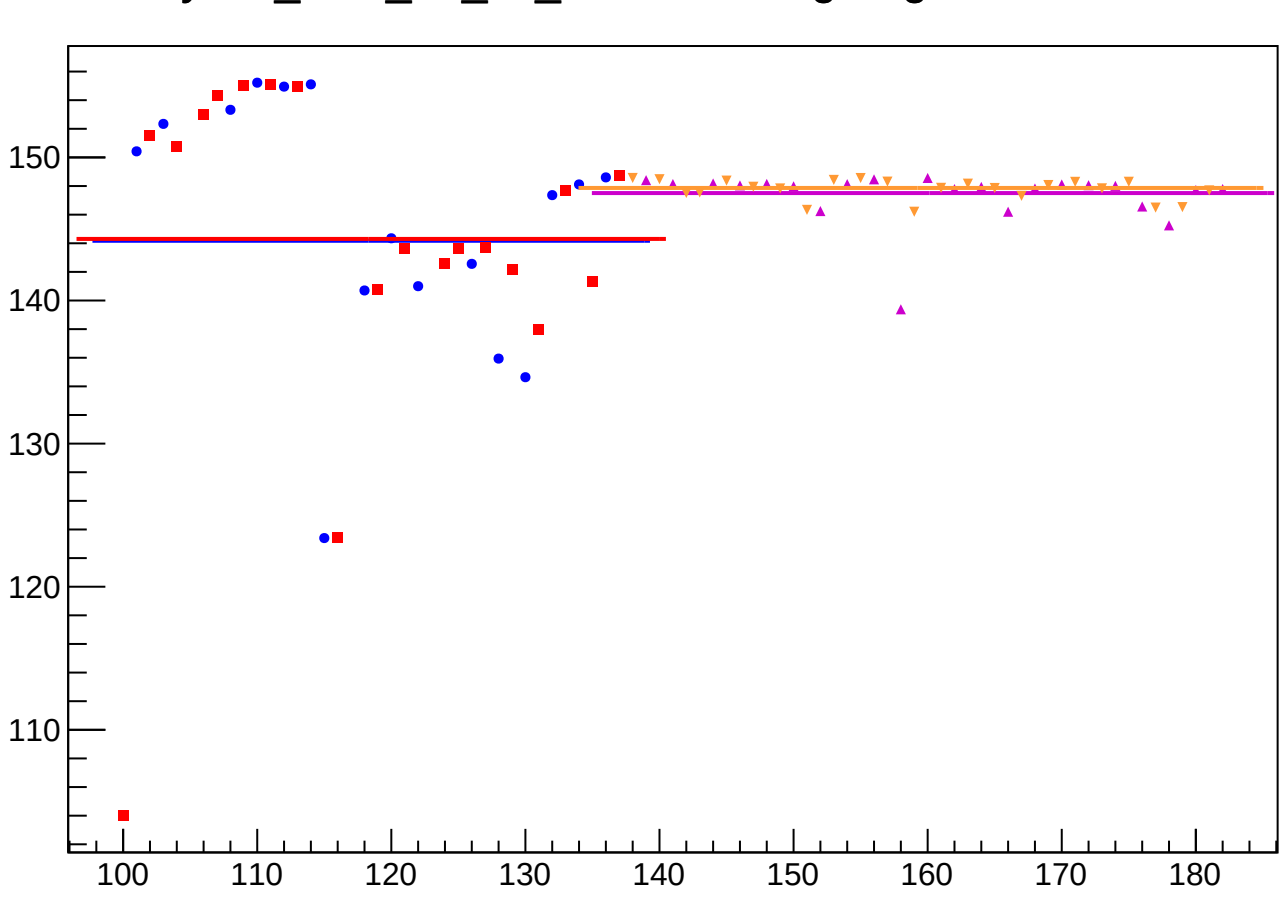
Left: 0.427+/-0.000 χ^2/NDF: 3786823.6/44

Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

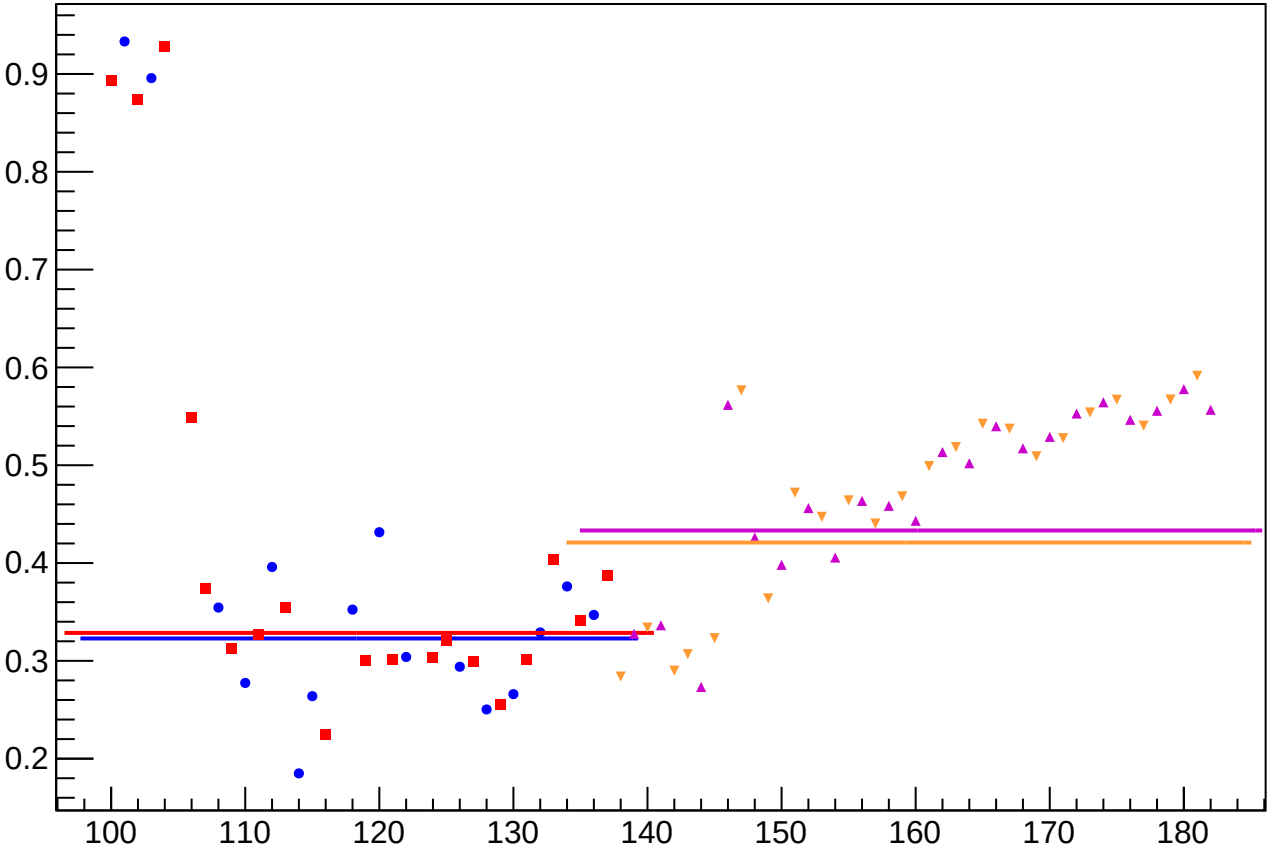
In: 0.391+/-0.000 χ^2/NDF:3940995.0/37

Out: 0.387+/-0.000 χ^2/NDF:3960558.5/41

All: 0.388+/-0.000 χ^2/NDF: 7903903.2/79


yield_bcm_an_us_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
160
170
180
Right In: 144.176+/-0.000 χ²/NDF: 3724747268.7/15
Left Out: 147.867+/-0.000 χ²/NDF:44889484.4/22
Right Out: 144.304+/-0.000 χ²/NDF: 4264494940.7/18
Left In: 147.509+/-0.000 χ²/NDF:306370078.4/21
Left: 147.693+/-0.000 χ²/NDF: 357105313.3/44
Right: 144.240+/-0.000 χ²/NDF: 7989709366.0/34
In: 146.202+/-0.000 χ²/NDF:4416385030.6/37
Out: 146.532+/-0.000 χ²/NDF:4757444992.1/41
All: 146.370+/-0.000 χ²/NDF: 9181903199.3

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.421+/-0.000 χ^2/NDF:2061120.5/22

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.433+/-0.000 χ^2/NDF:1721222.7/21

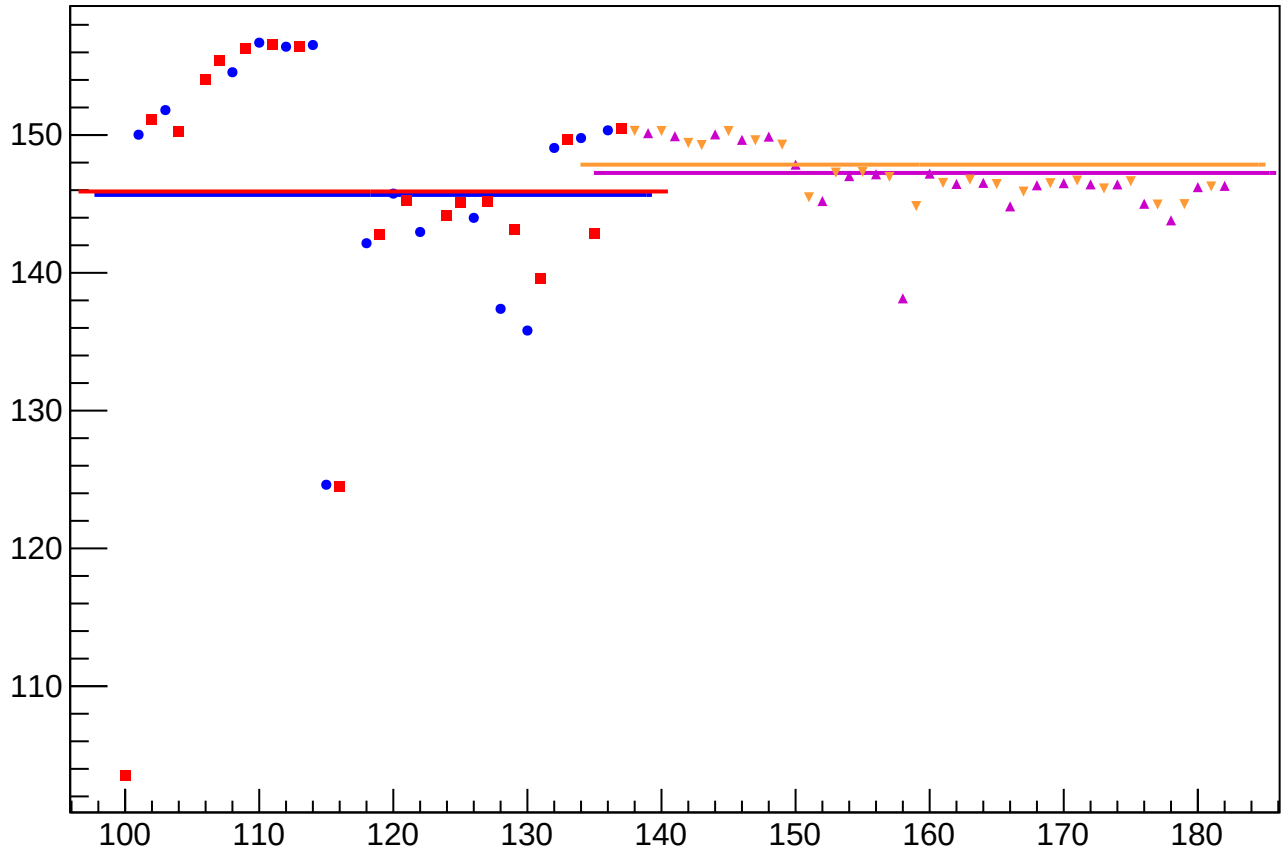
Left: 0.427+/-0.000 χ^2/NDF: 3796227.8/44

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.390+/-0.000 χ^2/NDF:3962835.1/37

Out: 0.386+/-0.000 χ^2/NDF:3968008.0/41

All: 0.388+/-0.000 χ^2/NDF: 7932819.6/79



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 147.852+/-0.000 χ^2/NDF:320405115.1/22

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.250+/-0.000 χ^2/NDF:617939591.7/21

Left: 147.558+/-0.000 χ^2/NDF: 954029667.0/44

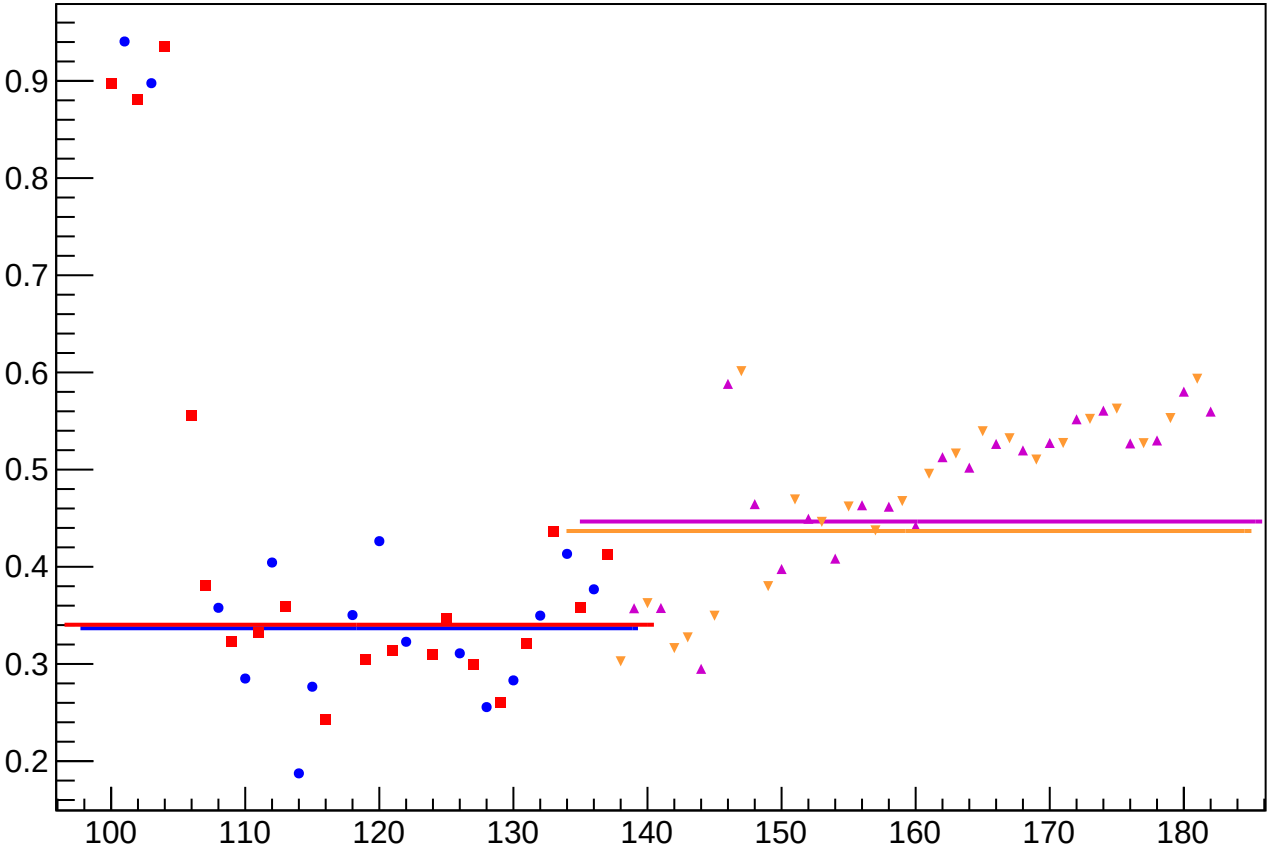
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.639+/-0.000 χ^2/NDF:4181446764.4/37

Out: 147.127+/-0.000 χ^2/NDF:4308603961.2/41

All: 146.887+/-0.000 χ^2/NDF: 8506621881.1

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.437+/-0.000 χ^2/NDF:1534515.1/22

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.447+/-0.000 χ^2/NDF:1300608.0/21

Left: 0.442+/-0.000 χ^2/NDF: 2843356.4/44

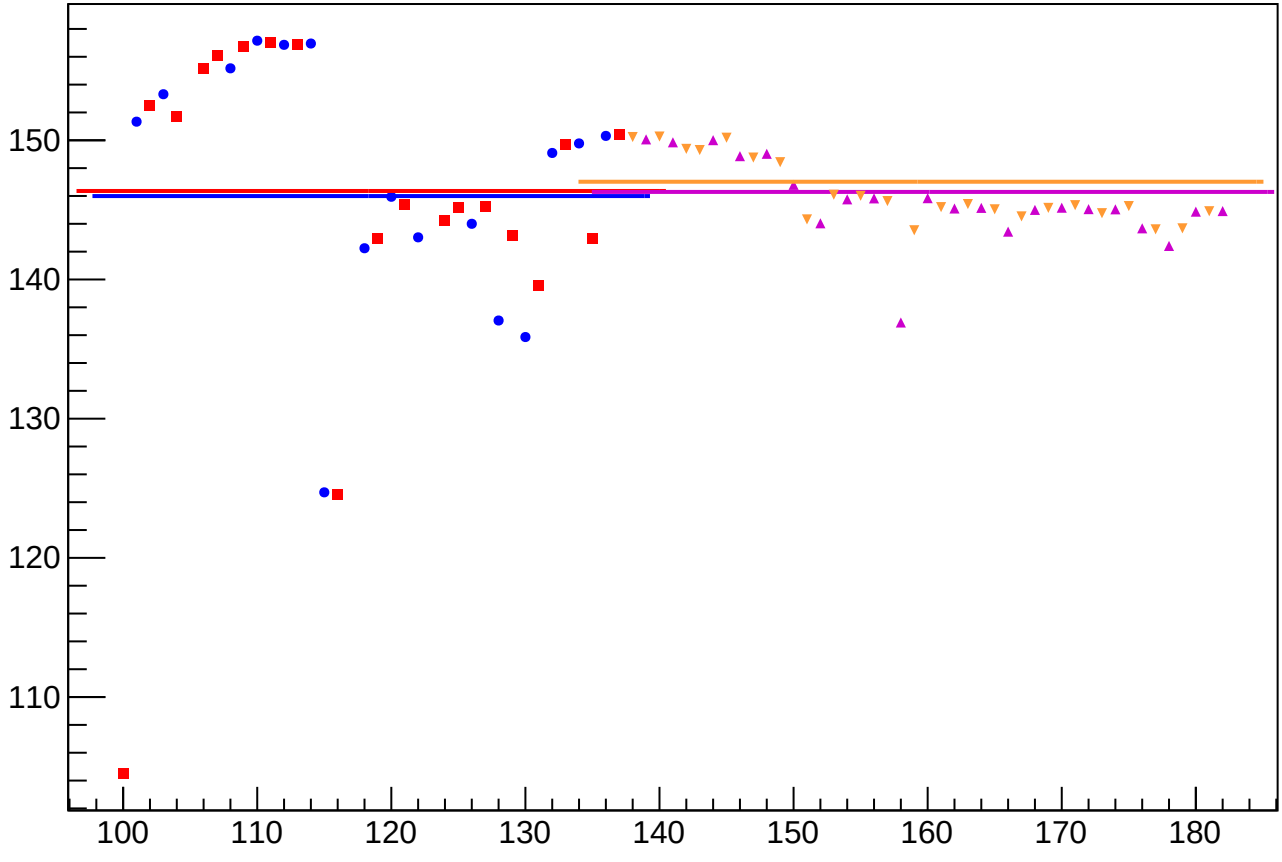
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.404+/-0.000 χ^2/NDF:3451179.4/37

Out: 0.401+/-0.000 χ^2/NDF:3423175.2/41

All: 0.403+/-0.000 χ^2/NDF: 6876089.0/79

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.023+/-0.000 χ^2/NDF:529996520.2/22

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.291+/-0.000 χ^2/NDF:823570090.6/21

Left: 146.667+/-0.000 χ^2/NDF: 1376674613.1/44

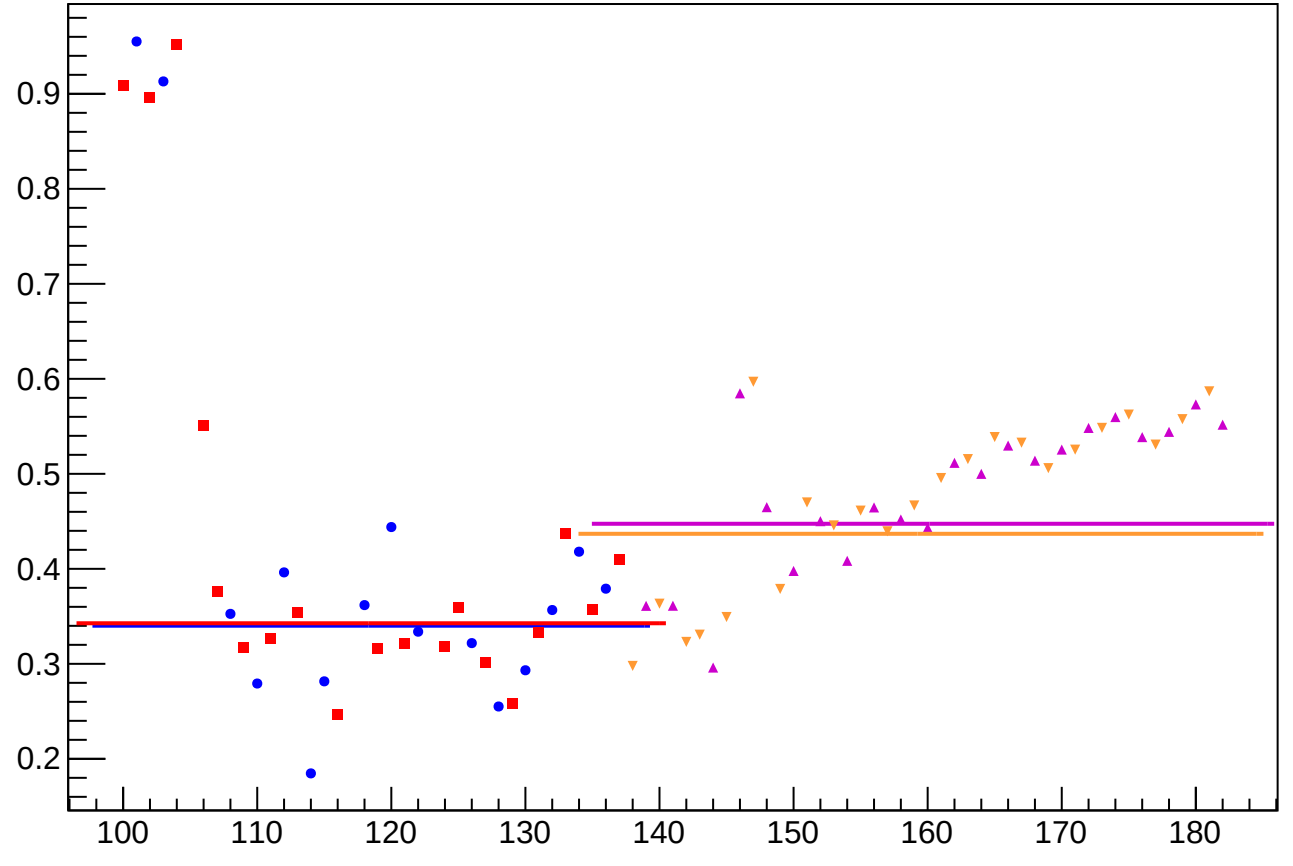
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.178+/-0.000 χ^2/NDF:4448032503.7/37

Out: 146.778+/-0.000 χ^2/NDF:4507539716.3/41

All: 146.483+/-0.000 χ^2/NDF: 8980364909.9

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.437+/-0.000 χ^2/NDF:1517607.0/22

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.447+/-0.000 χ^2/NDF:1256912.7/21

Left: 0.442+/-0.000 χ^2/NDF: 2784137.1/44

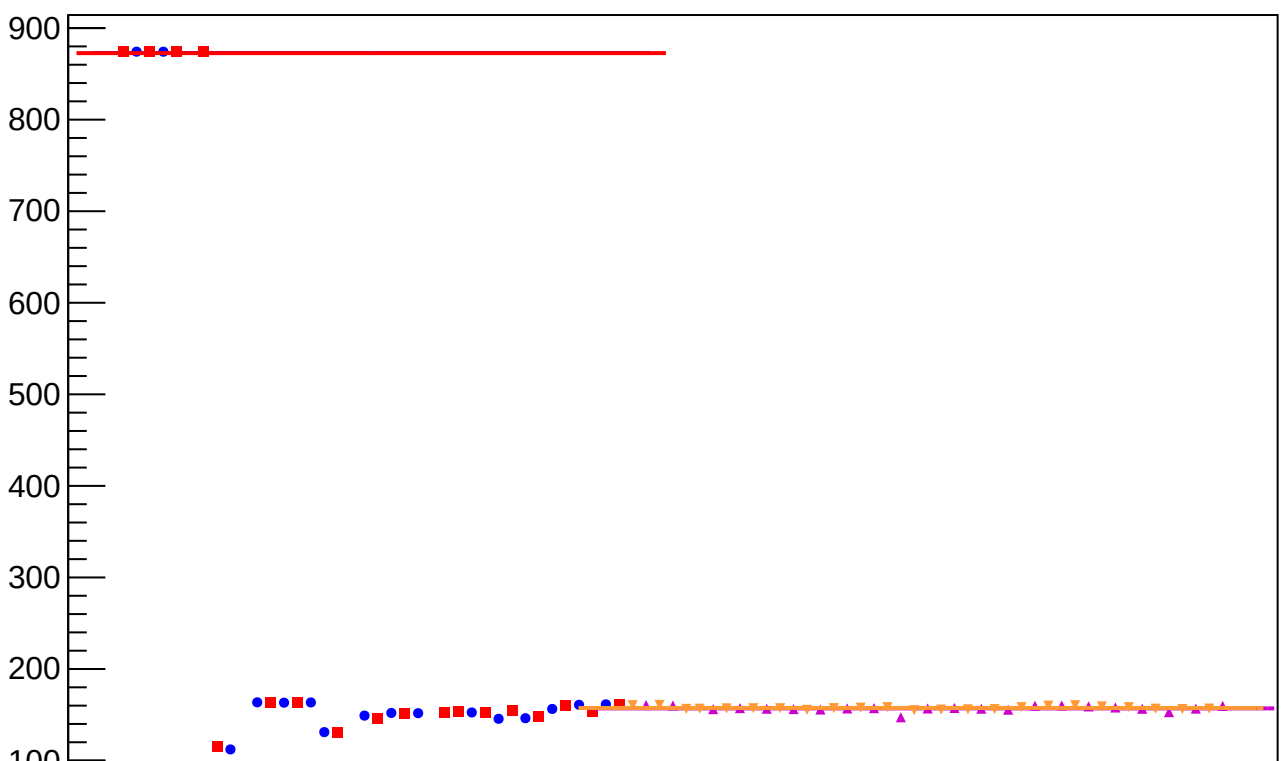
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.407+/-0.000 χ^2/NDF:3382716.7/37

Out: 0.402+/-0.000 χ^2/NDF:3367557.0/41

All: 0.404+/-0.000 χ^2/NDF: 6753232.6/79

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.457+/-0.000 χ^2/NDF:96248961.8/22

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 156.971+/-0.000 χ^2/NDF:235947617.5/21

Left: 157.215+/-0.000 χ^2/NDF: 335996481.5/44

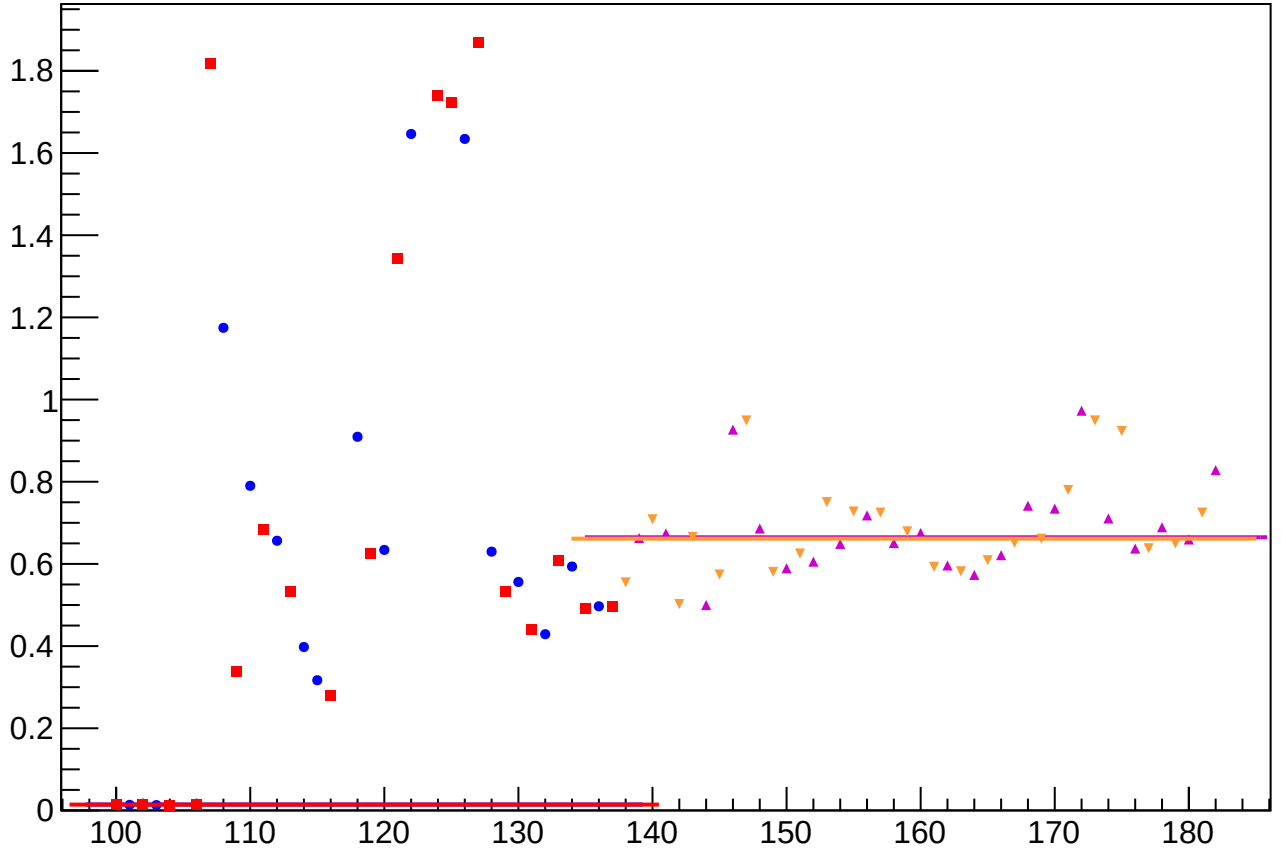
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 869.627+/-0.000 χ^2/NDF:23485608816311.8/3

Out: 869.870+/-0.000 χ^2/NDF:25642773805948.0

All: 869.757+/-0.000 χ^2/NDF: 491286078241

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.661+/-0.000 χ^2/NDF:619338.3/22

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.665+/-0.000 χ^2/NDF:524342.4/21

Left: 0.663+/-0.000 χ^2/NDF: 1144050.0/44

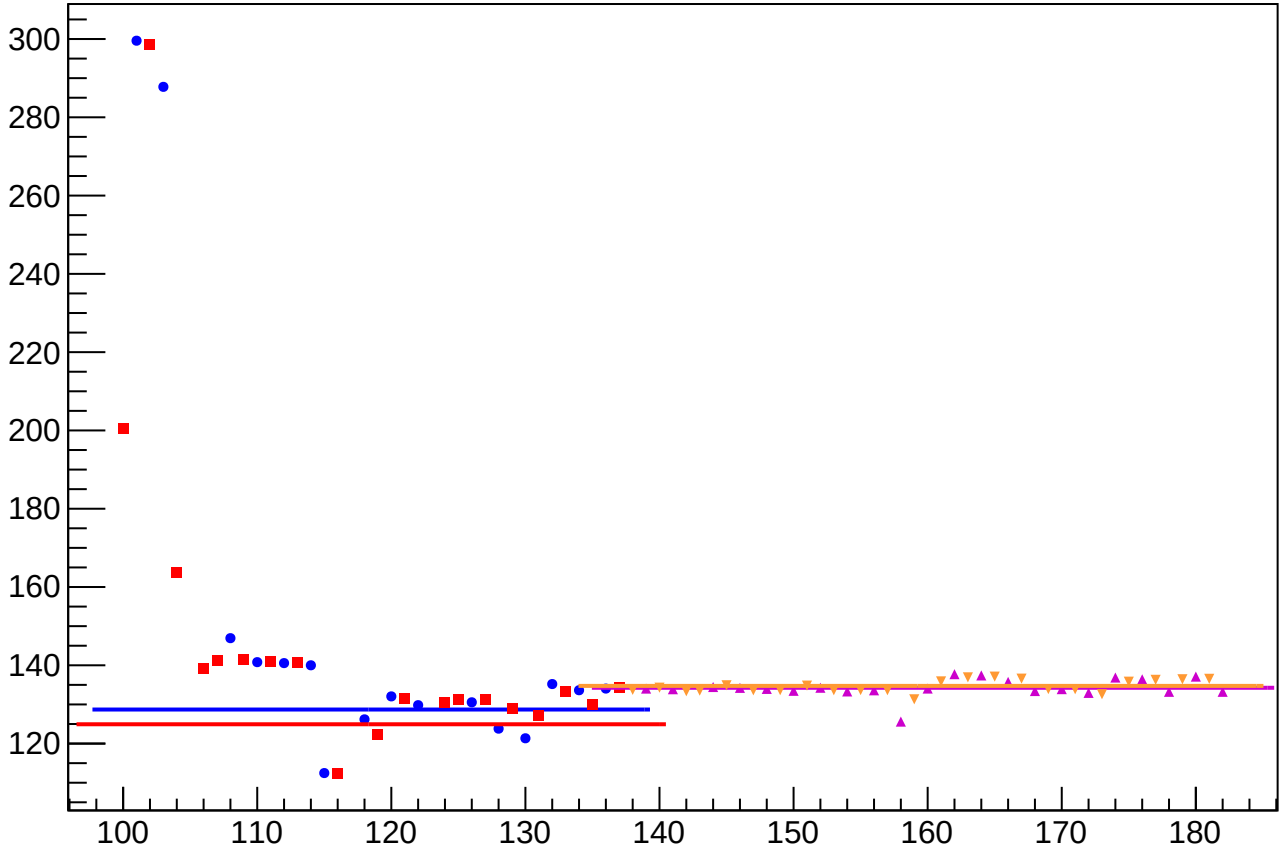
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.017+/-0.000 χ^2/NDF:37051768.6/37

Out: 0.017+/-0.000 χ^2/NDF:37010896.3/41

All: 0.017+/-0.000 χ^2/NDF: 74064615.3/79

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.739+/-0.000 χ^2/NDF:157156783.5/22

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 134.256+/-0.000 χ^2/NDF:441061673.3/21

Left: 134.508+/-0.000 χ^2/NDF: 605556914.7/44

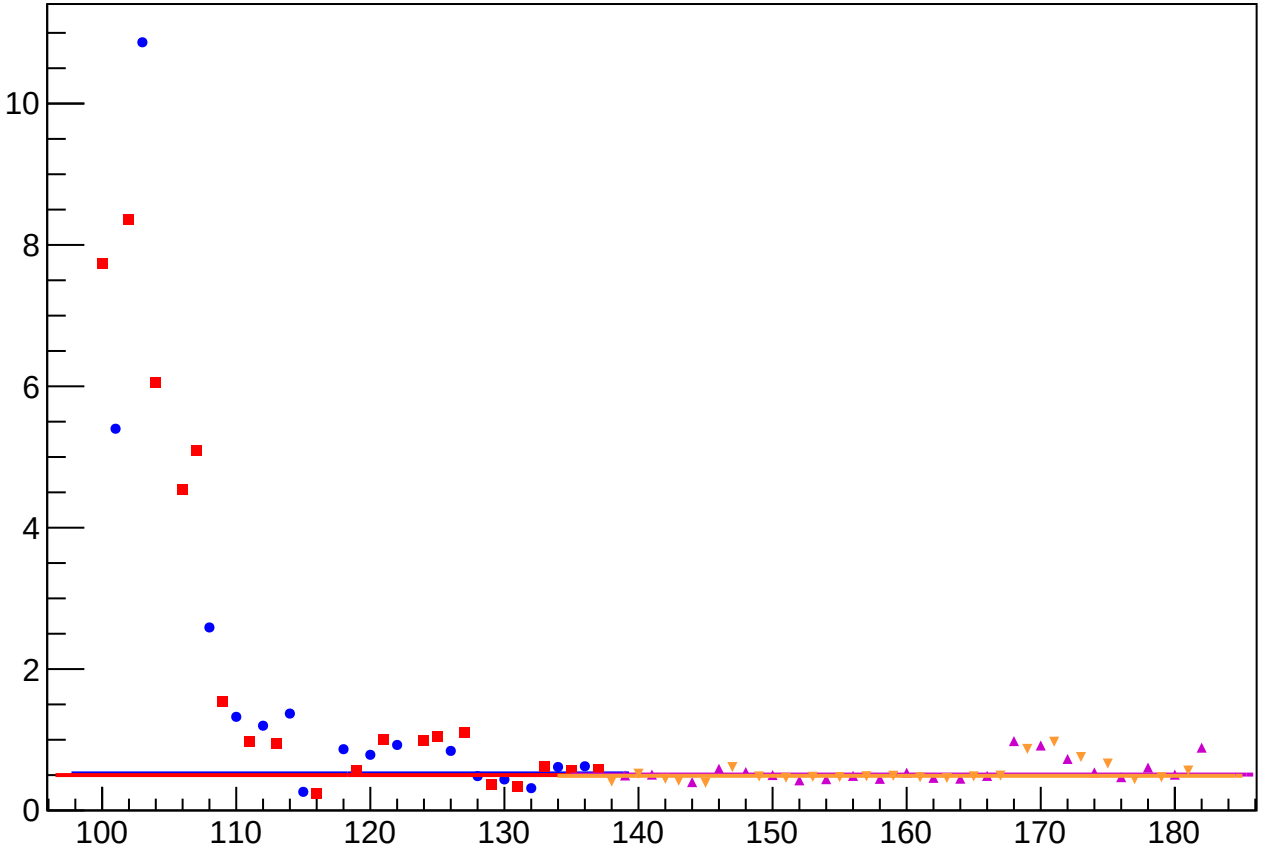
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 133.246+/-0.000 χ^2/NDF:2434726565.7/37

Out: 133.018+/-0.000 χ^2/NDF:2666796910.5/41

All: 133.127+/-0.000 χ^2/NDF: 5103517608.7

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.490+/-0.000 χ^2/NDF:1194428.7/22

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.508+/-0.000 χ^2/NDF:1386121.2/21

Left: 0.499+/-0.000 χ^2/NDF: 2599509.7/44

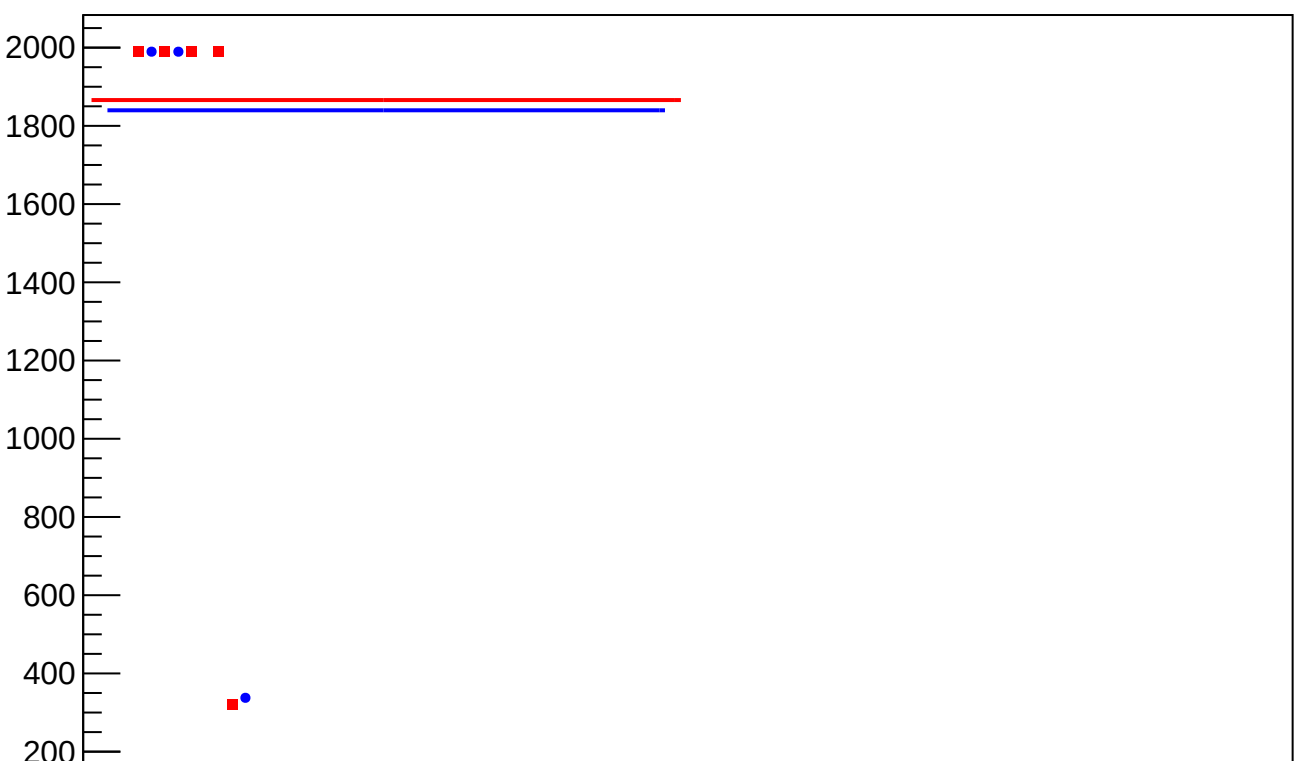
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.511+/-0.000 χ^2/NDF:5530428.7/37

Out: 0.492+/-0.000 χ^2/NDF:6081004.5/41

All: 0.501+/-0.000 χ^2/NDF: 11637774.6/79

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.576+/-0.000 χ^2/NDF:64069446.2/22

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.347+/-0.000 χ^2/NDF:248701646.1/21

Left: 137.466+/-0.000 χ^2/NDF: 315064438.5/44

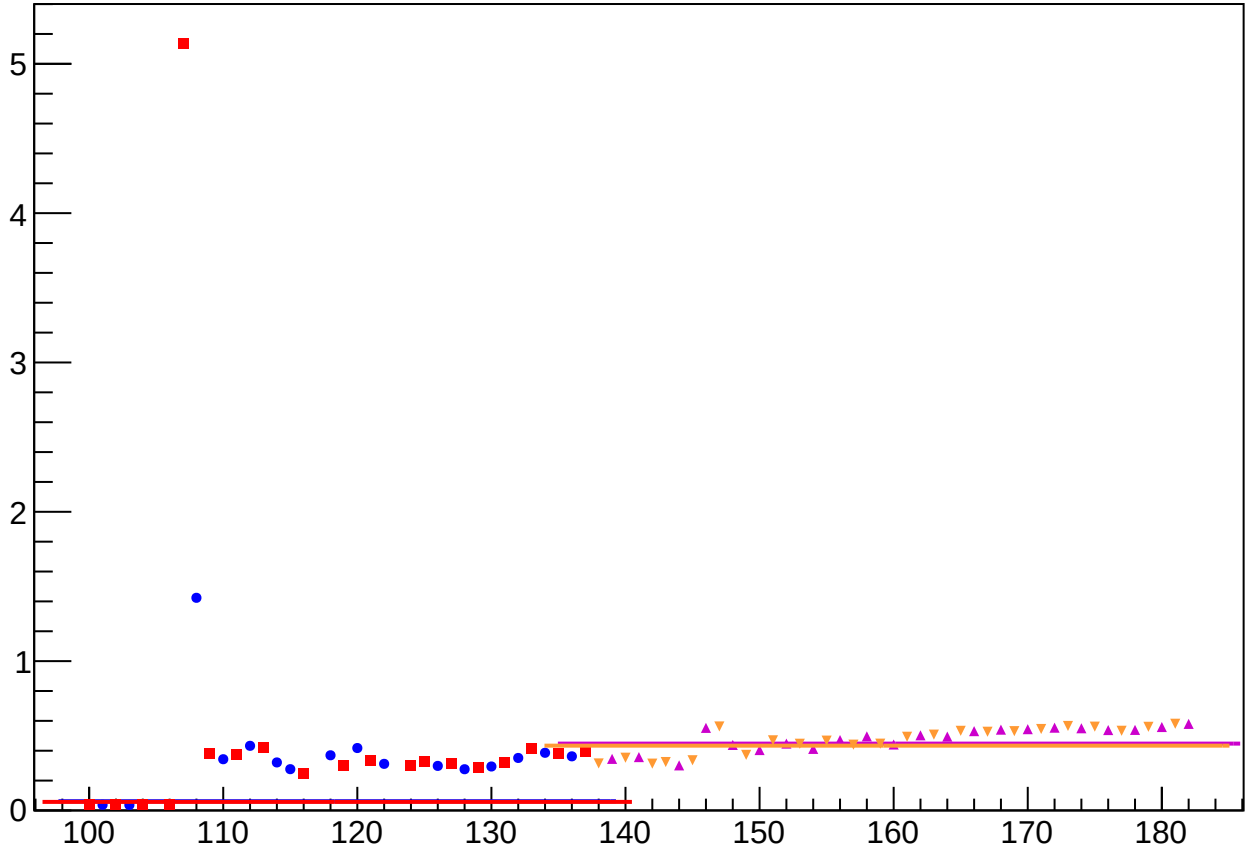
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1620.787+/-0.000 χ^2/NDF:358547801377330.

Out: 1659.660+/-0.000 χ^2/NDF:380226728782566

All: 1641.624+/-0.000 χ^2/NDF: 7393046914

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.434+/-0.000 χ^2/NDF:1561775.4/22

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.448+/-0.000 χ^2/NDF:1285998.2/21

Left: 0.441+/-0.000 χ^2/NDF: 2864053.0/44

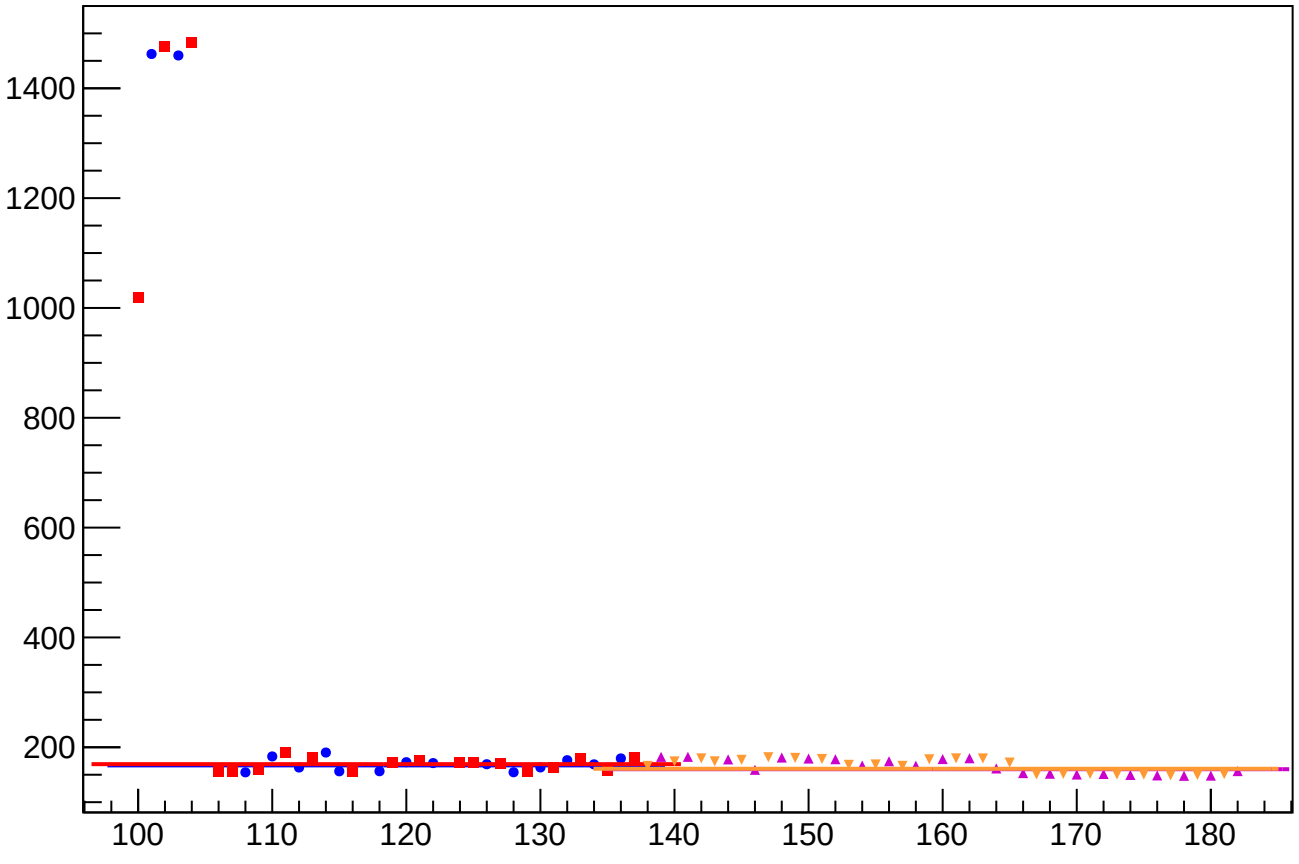
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.111+/-0.000 χ^2/NDF:31306823.4/37

Out: 0.102+/-0.000 χ^2/NDF:31861042.6/41

All: 0.106+/-0.000 χ^2/NDF: 63226731.2/79

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 160.860+/-0.000 χ^2/NDF:3627287442.5/22

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 160.064+/-0.000 χ^2/NDF:3721854702.6/21

Left: 160.468+/-0.000 χ^2/NDF: 7356651330.1/44

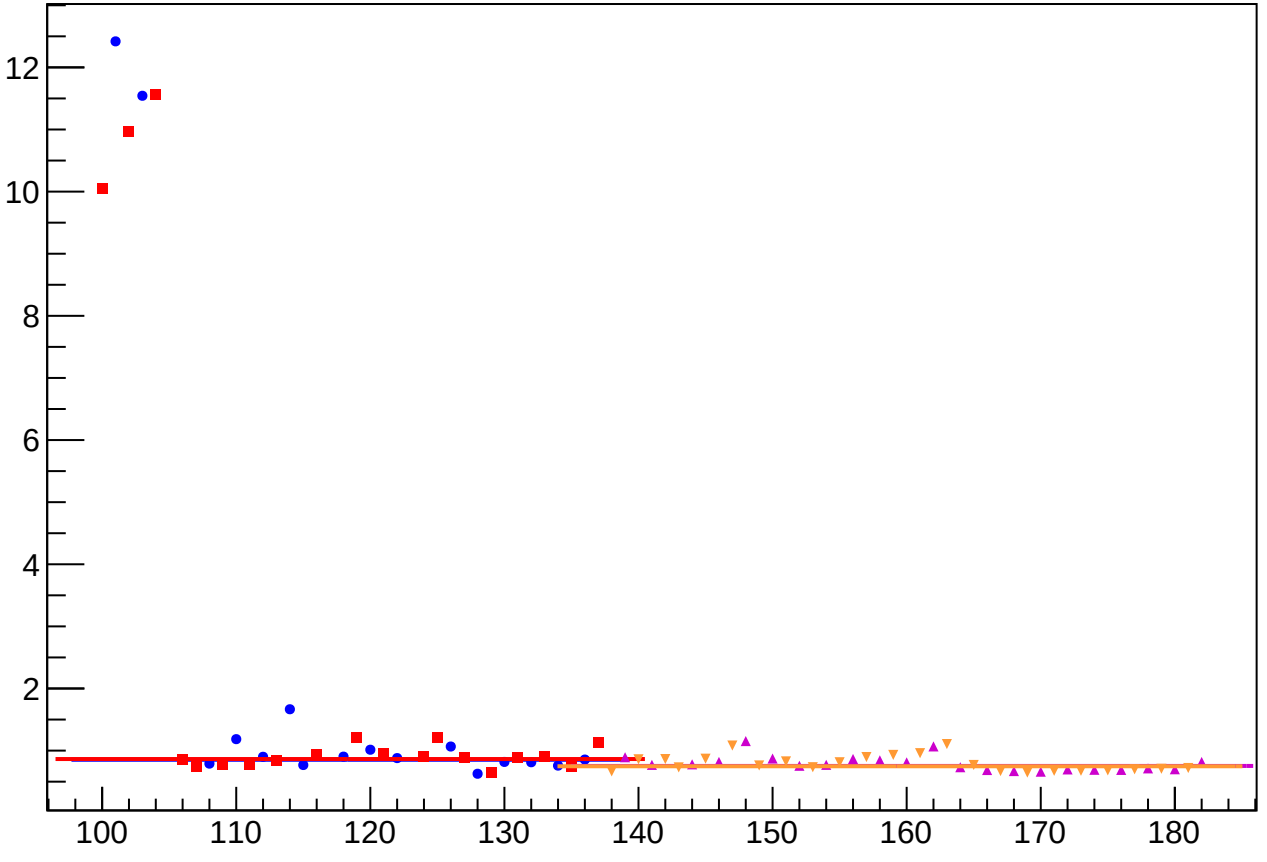
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 161.347+/-0.000 χ^2/NDF:18545564413.2/37

Out: 162.410+/-0.000 χ^2/NDF:20258121793.5/41

All: 161.886+/-0.000 χ^2/NDF: 38820118786.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.748+/-0.000 χ^2/NDF:541747.7/22

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.753+/-0.000 χ^2/NDF:443720.3/21

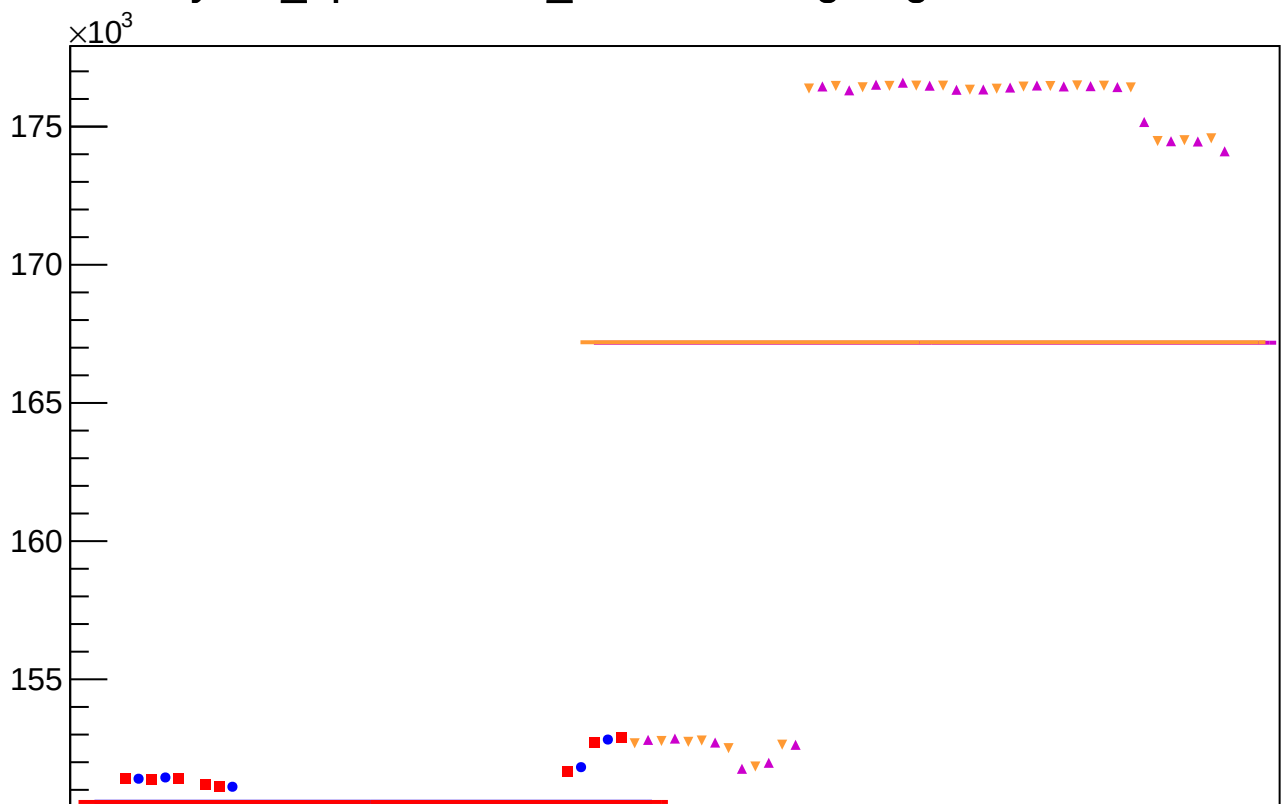
Left: 0.751+/-0.000 χ^2/NDF: 986141.0/44

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.772+/-0.000 χ^2/NDF:2831962.6/37

Out: 0.769+/-0.000 χ^2/NDF:2871395.4/41

All: 0.770+/-0.000 χ^2/NDF: 5703504.6/79



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167196.494+/-0.047 χ^2/NDF:58983675928.2/22

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 167179.852+/-0.049 χ^2/NDF:54938476032.9/21

Left: 167188.469+/-0.034 χ^2/NDF: 113922211546.

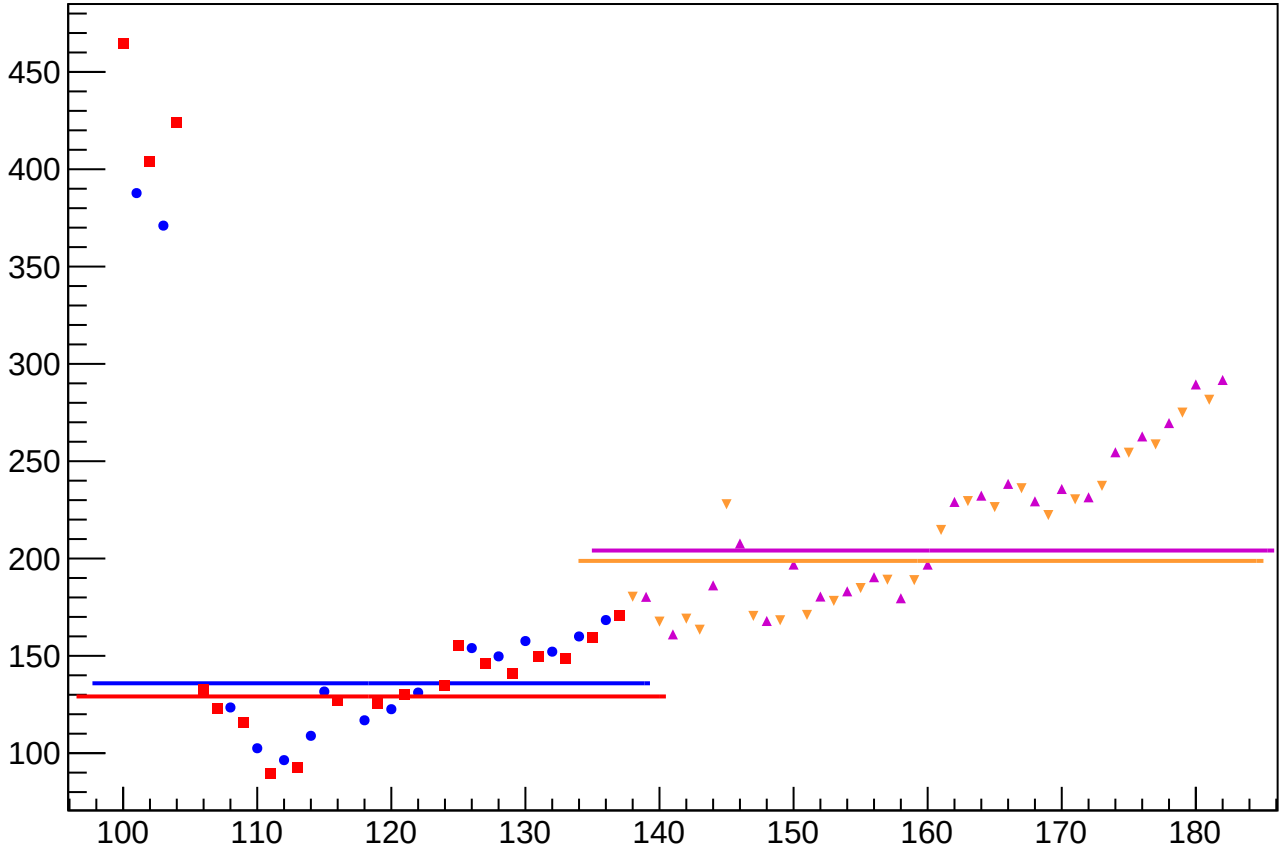
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159761.419+/-0.036 χ^2/NDF:106378506308.2

Out: 159493.350+/-0.035 χ^2/NDF:116345115769.

All: 159620.603+/-0.025 χ^2/NDF: 22275196

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 198.780+/-0.033 χ^2/NDF:1005607.1/22

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 204.109+/-0.035 χ^2/NDF:997162.7/21

Left: 201.350+/-0.024 χ^2/NDF: 2014985.2/44

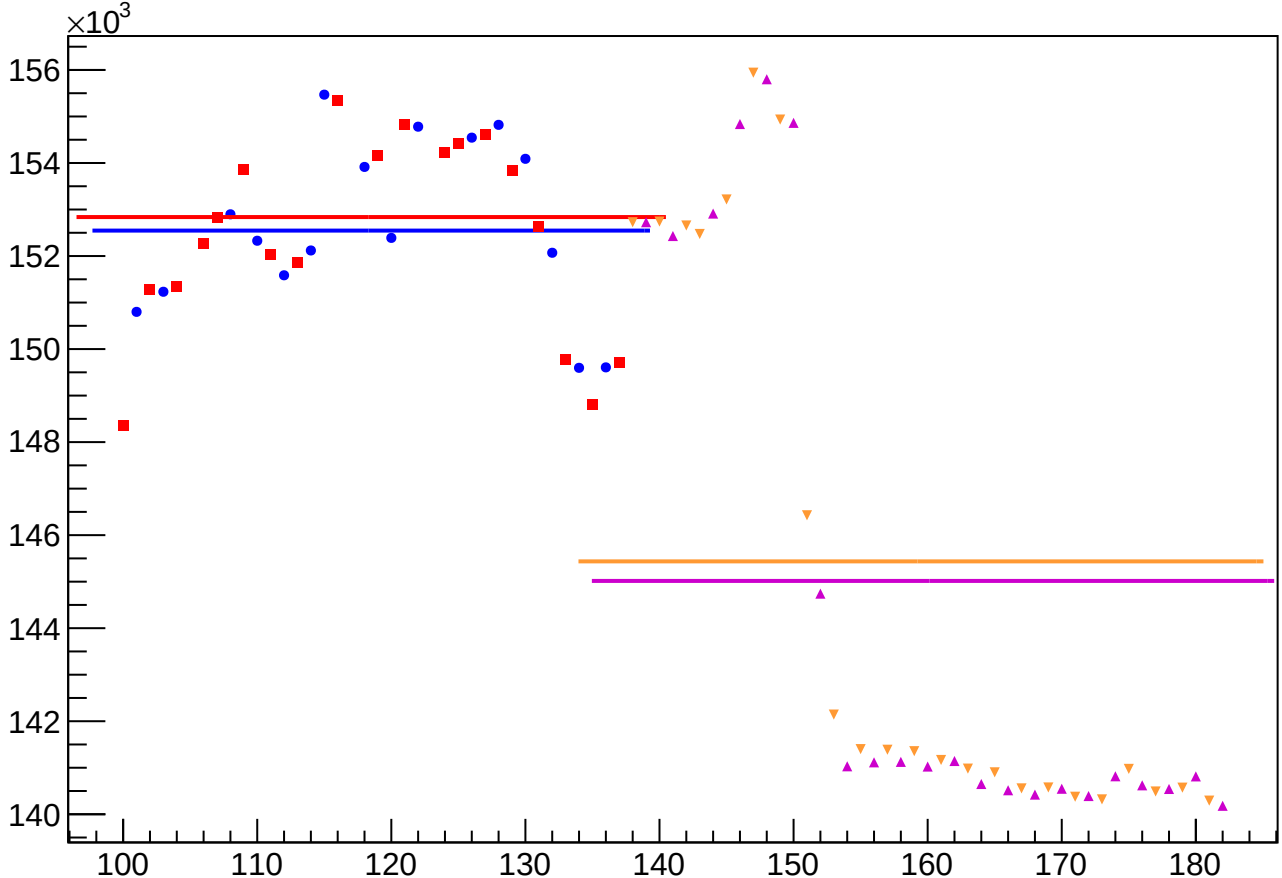
Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 173.645+/-0.026 χ^2/NDF:4140321.6/37

Out: 166.527+/-0.025 χ^2/NDF:4624178.5/41

All: 169.906+/-0.018 χ^2/NDF: 8804466.7/79

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145436.167+/-0.050 χ^2/NDF:13364156712.8/22

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145015.955+/-0.051 χ^2/NDF:13057896783.6/21

Left: 145231.234+/-0.036 χ^2/NDF: 26456225399.3

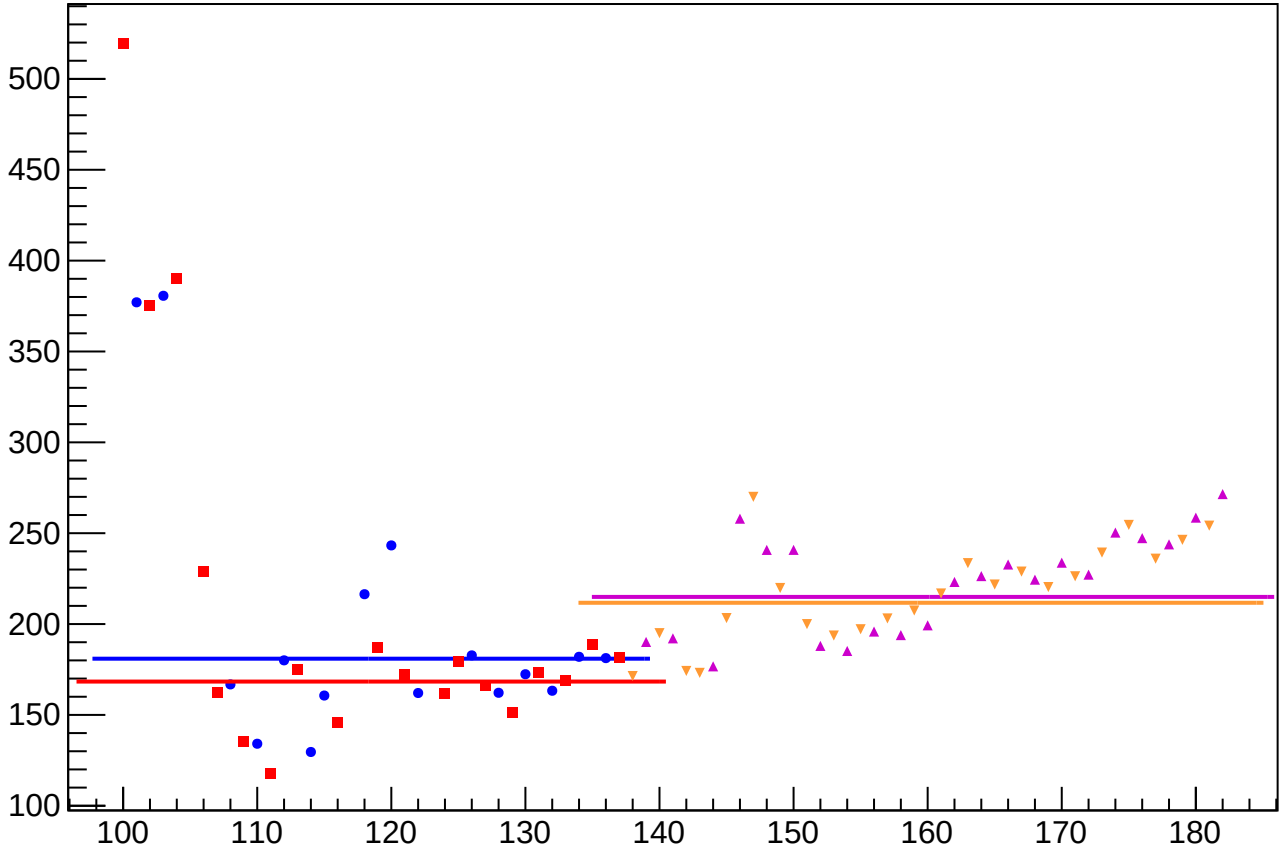
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0

In: 147533.113+/-0.042 χ^2/NDF:20873198637.6/3

Out: 148114.771+/-0.040 χ^2/NDF:21968457023.4

All: 147837.262+/-0.029 χ^2/NDF: 42942033

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 211.714+/-0.035 χ^2/NDF:526870.7/22

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 214.941+/-0.036 χ^2/NDF:572468.7/21

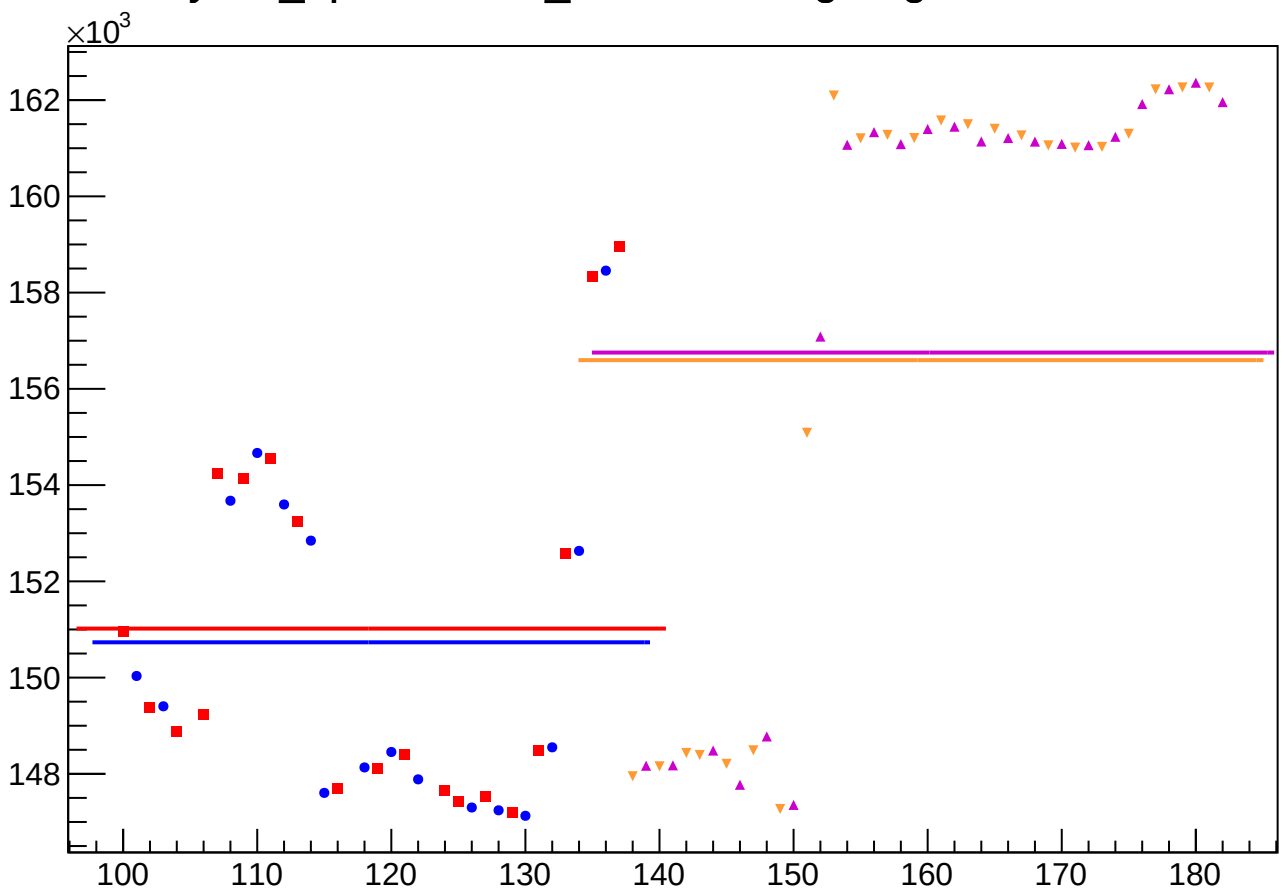
Left: 213.288+/-0.025 χ^2/NDF: 1103370.8/44

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 203.576+/-0.030 χ^2/NDF:1772180.1/37

Out: 196.021+/-0.028 χ^2/NDF:2156049.5/41

All: 199.625+/-0.021 χ^2/NDF: 3962102.2/79



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156596.422+/-0.049 χ^2/NDF:16001828400.9/22

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 156754.077+/-0.051 χ^2/NDF:14253433928.9/21

Left: 156672.348+/-0.036 χ^2/NDF: 30260185299.1

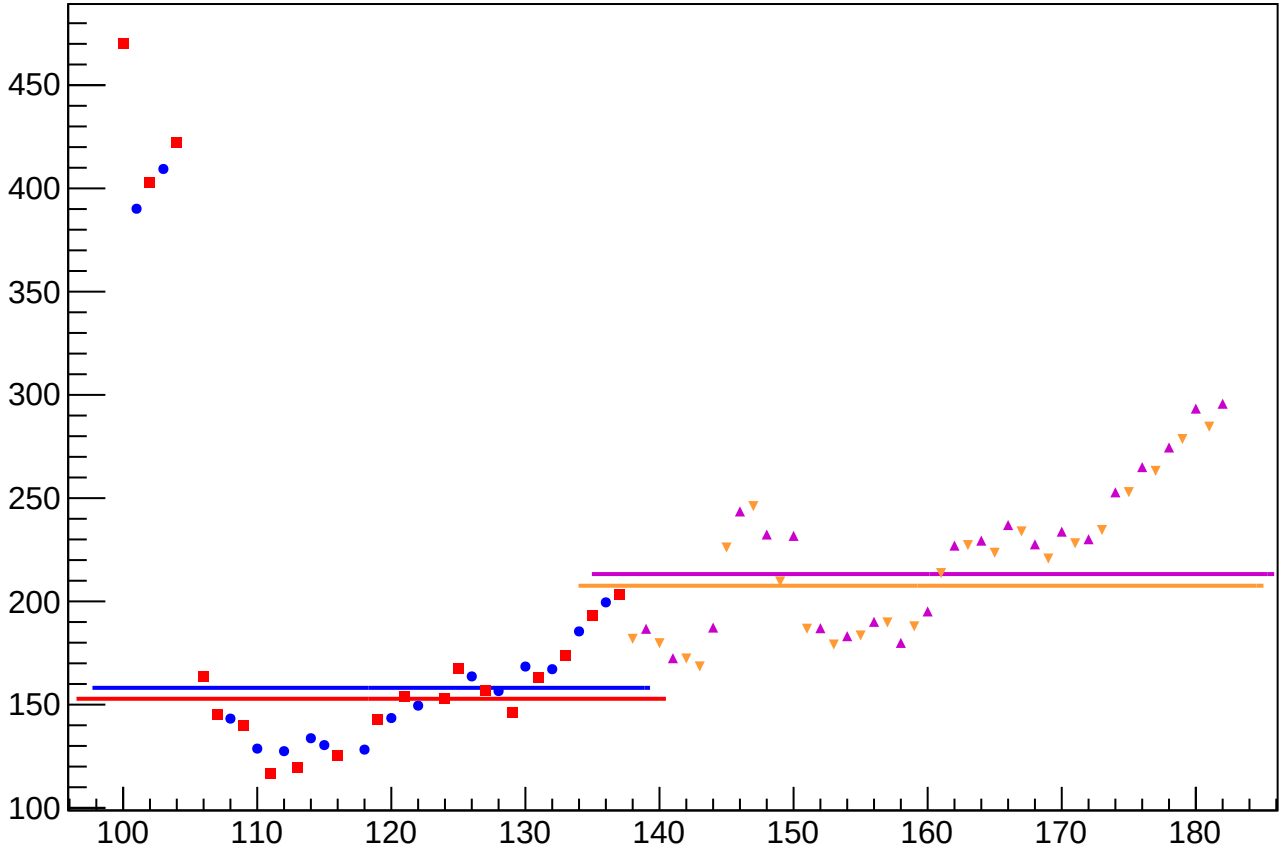
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 154356.854+/-0.040 χ^2/NDF:23051755097.6/3

Out: 154350.274+/-0.038 χ^2/NDF:24440718065.1

All: 154353.430+/-0.027 χ^2/NDF: 47492487

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 207.581+/-0.035 χ^2/NDF:798249.2/22

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 213.233+/-0.036 χ^2/NDF:866807.8/21

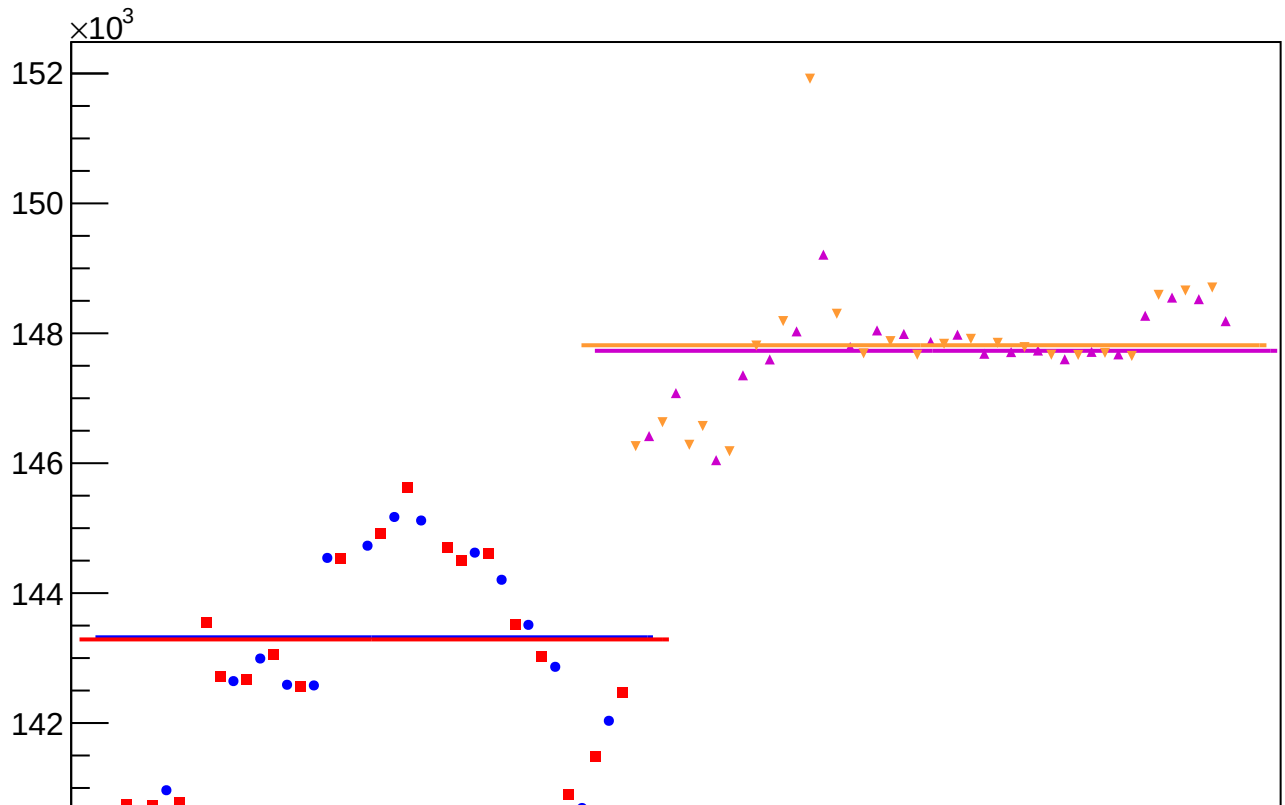
Left: 210.303+/-0.025 χ^2/NDF: 1677709.6/44

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 191.296+/-0.028 χ^2/NDF:2986051.6/37

Out: 185.538+/-0.027 χ^2/NDF:3055008.4/41

All: 188.301+/-0.019 χ^2/NDF: 6062962.3/79



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147815.950+/-0.046 χ^2/NDF:701541273.8/22

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147730.445+/-0.047 χ^2/NDF:225022031.0/21

Left: 147774.664+/-0.033 χ^2/NDF: 928247121.8/44

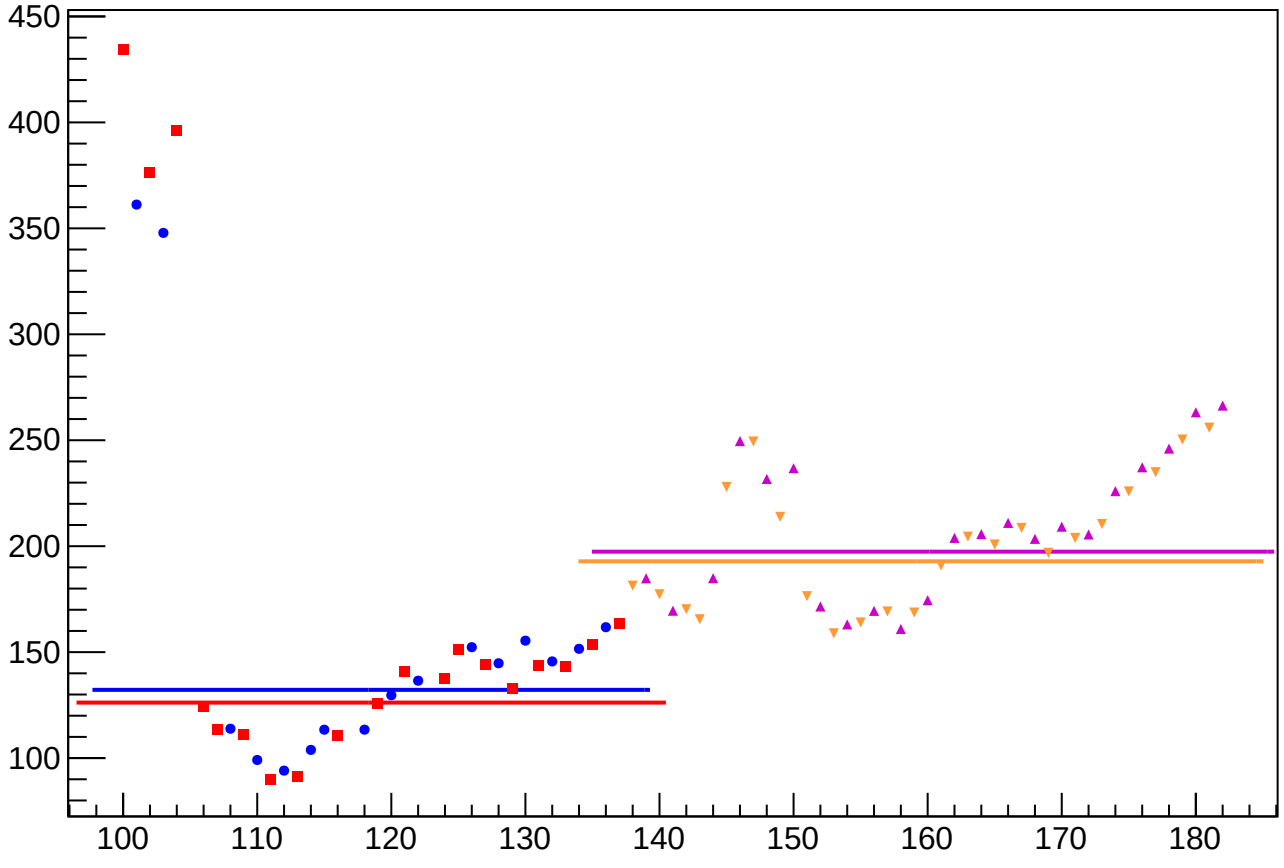
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145776.049+/-0.035 χ^2/NDF:4623422161.1/37

Out: 145737.031+/-0.034 χ^2/NDF:5813112545.8/4

All: 145755.588+/-0.024 χ^2/NDF: 10437173

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 192.853+/-0.032 χ^2/NDF:728006.9/22

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 197.421+/-0.034 χ^2/NDF:858126.0/21

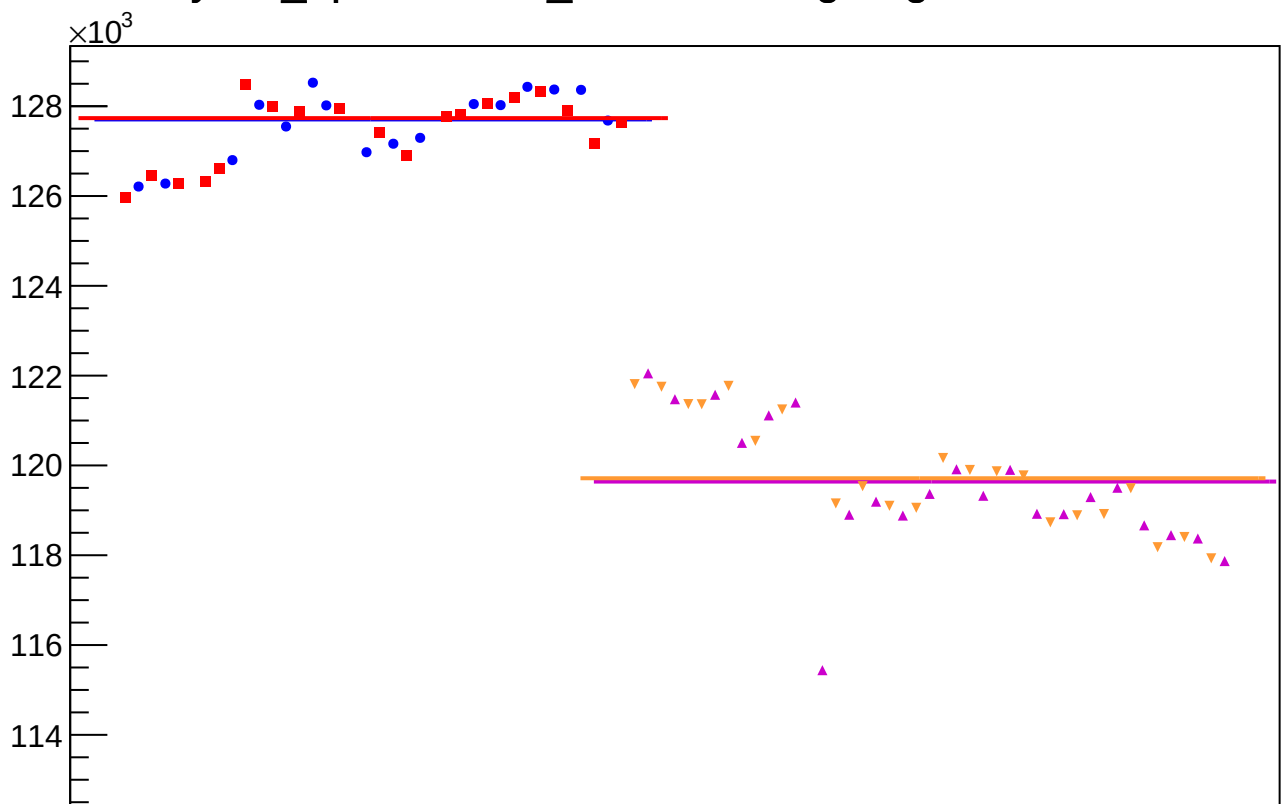
Left: 195.059+/-0.023 χ^2/NDF: 1595740.9/44

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 168.524+/-0.025 χ^2/NDF:3915861.6/37

Out: 162.254+/-0.024 χ^2/NDF:4219007.5/41

All: 165.236+/-0.017 χ^2/NDF: 8167838.5/79



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119714.404+/-0.045 χ^2/NDF:1972616182.9/22

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 119640.628+/-0.045 χ^2/NDF:1311030070.4/21

Left: 119677.632+/-0.032 χ^2/NDF: 3284982236.3/4

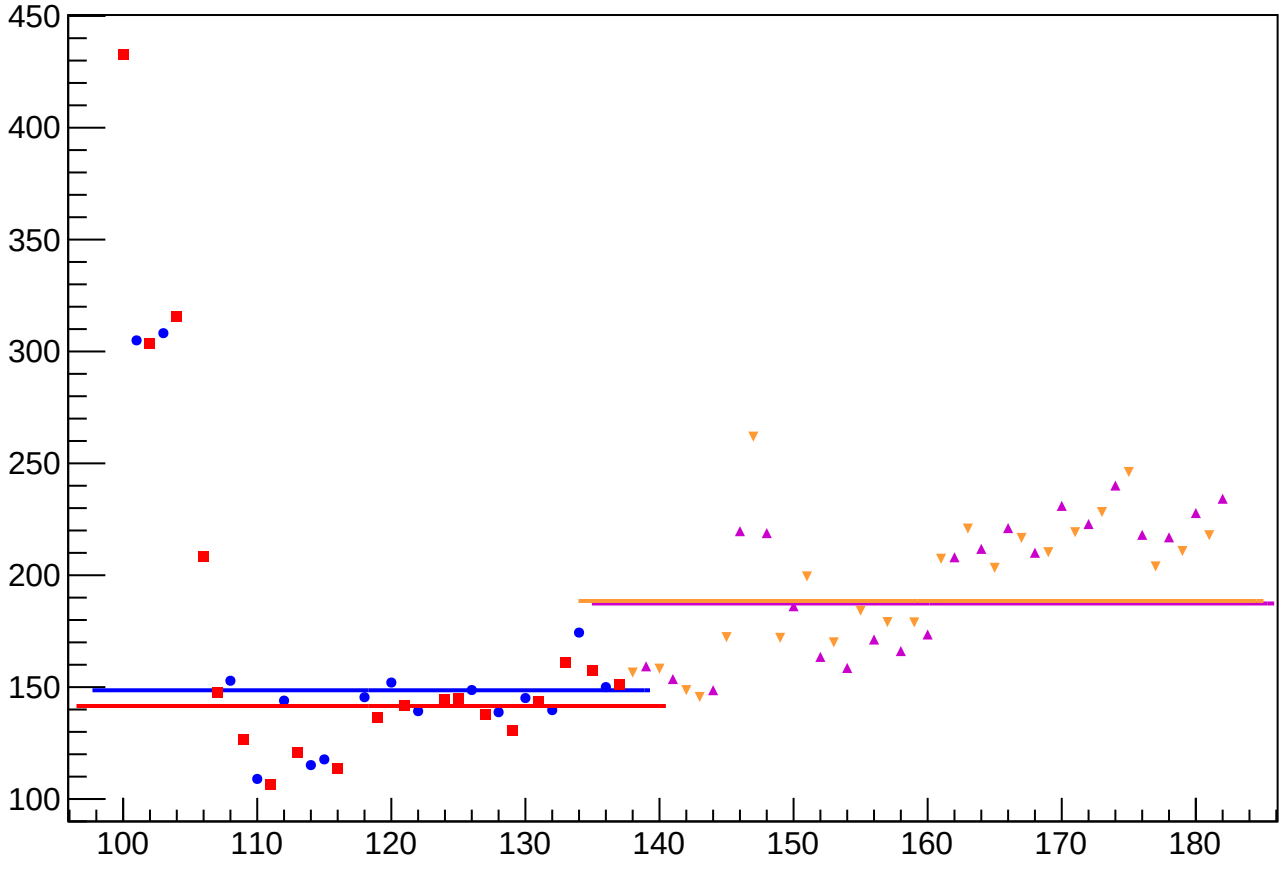
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 122661.120+/-0.036 χ^2/NDF:13336145337.8/3

Out: 122941.846+/-0.035 χ^2/NDF:14829093135.5

All: 122805.123+/-0.025 χ^2/NDF: 28196868

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 188.504+/-0.032 χ^2/NDF:834224.8/22

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 187.381+/-0.032 χ^2/NDF:897685.5/21

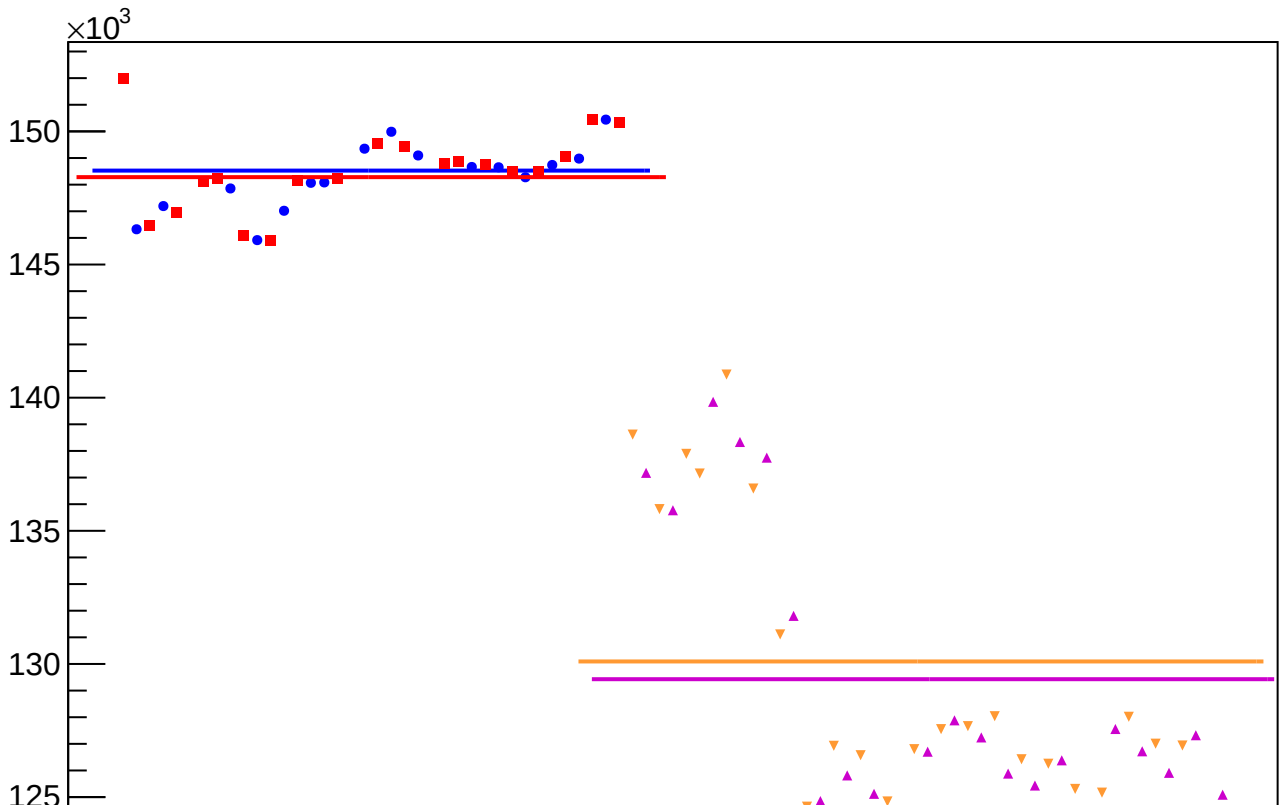
Left: 187.944+/-0.023 χ^2/NDF: 1732529.9/44

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 172.853+/-0.025 χ^2/NDF:2276900.4/37

Out: 169.614+/-0.025 χ^2/NDF:2708793.2/41

All: 171.192+/-0.018 χ^2/NDF: 4994114.9/79



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130093.963+/-0.066 χ^2/NDF:6460016602.2/22

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 129427.826+/-0.066 χ^2/NDF:6543074578.4/21

Left: 129760.922+/-0.047 χ^2/NDF: 13054386904.2

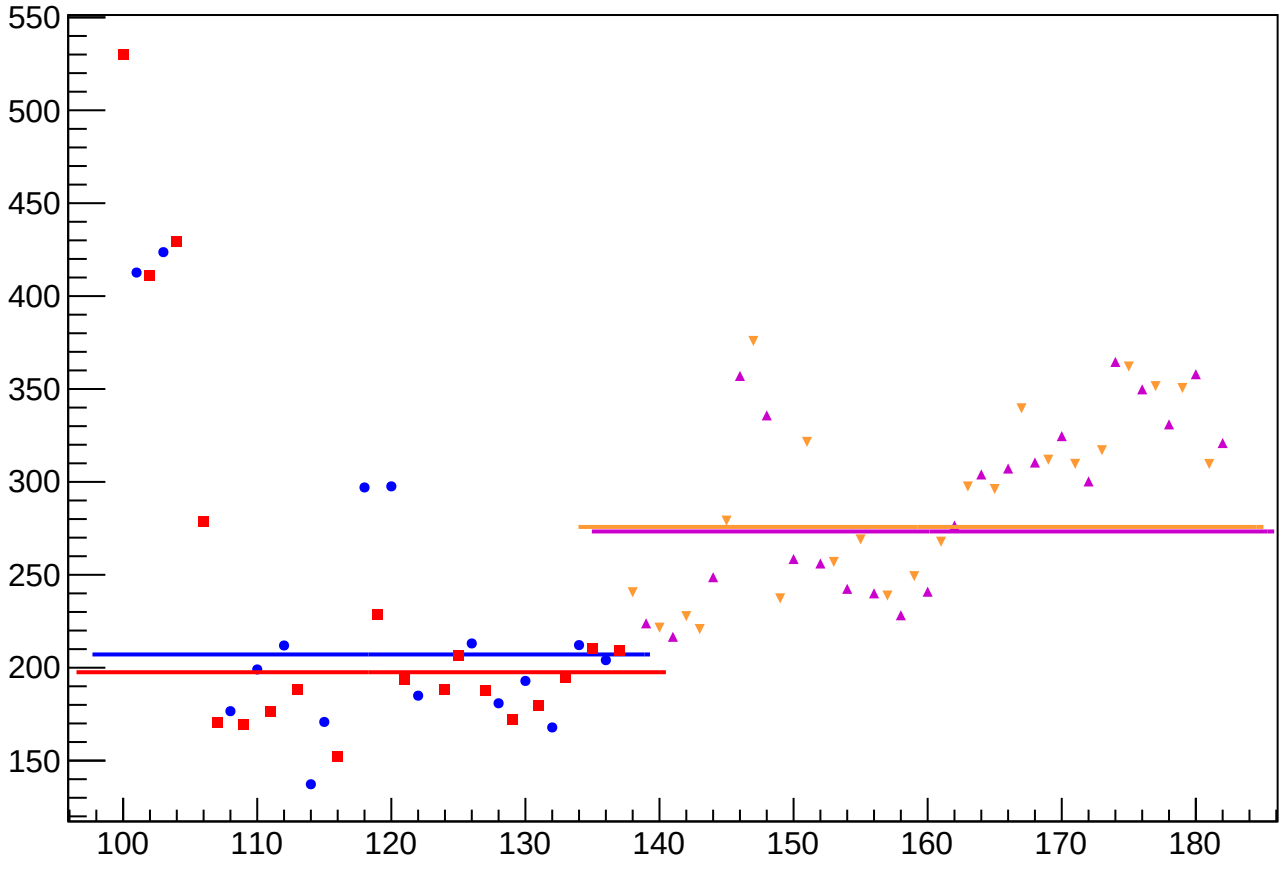
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 136911.561+/-0.051 χ^2/NDF:39796616986.4/3

Out: 137811.007+/-0.050 χ^2/NDF:39207816940.3

All: 137373.655+/-0.036 χ^2/NDF: 79162421

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 275.763+/-0.047 χ^2/NDF:930708.0/22

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 273.324+/-0.047 χ^2/NDF:996153.6/21

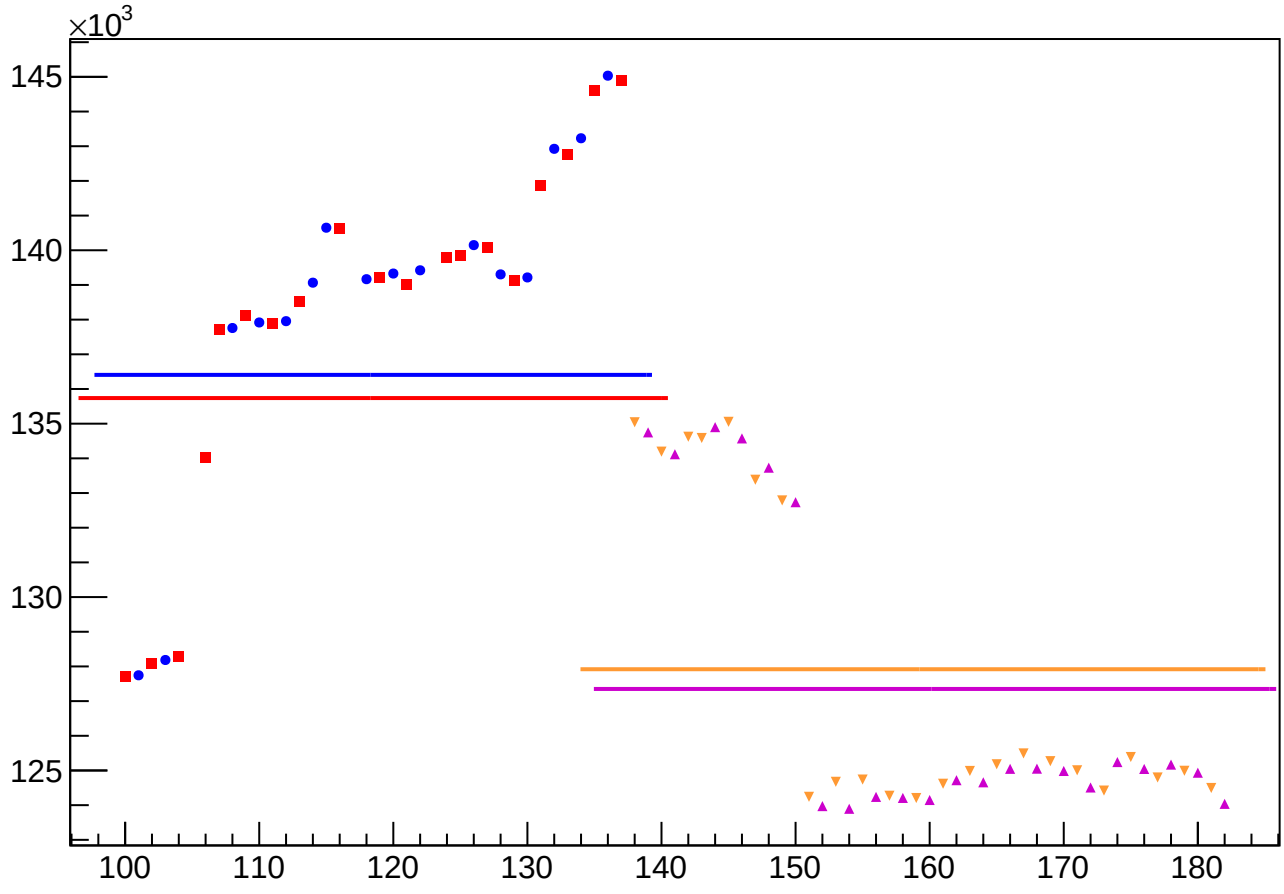
Left: 274.544+/-0.033 χ^2/NDF: 1928236.3/44

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 247.390+/-0.036 χ^2/NDF:2762044.0/37

Out: 242.587+/-0.035 χ^2/NDF:3034303.2/41

All: 244.922+/-0.025 χ^2/NDF: 5805358.4/79



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 127919.391+/-0.139 χ^2/NDF:1058604346.5/22

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 127350.715+/-0.140 χ^2/NDF:952929910.2/21

Left: 127636.932+/-0.099 χ^2/NDF: 2019849006.9/4

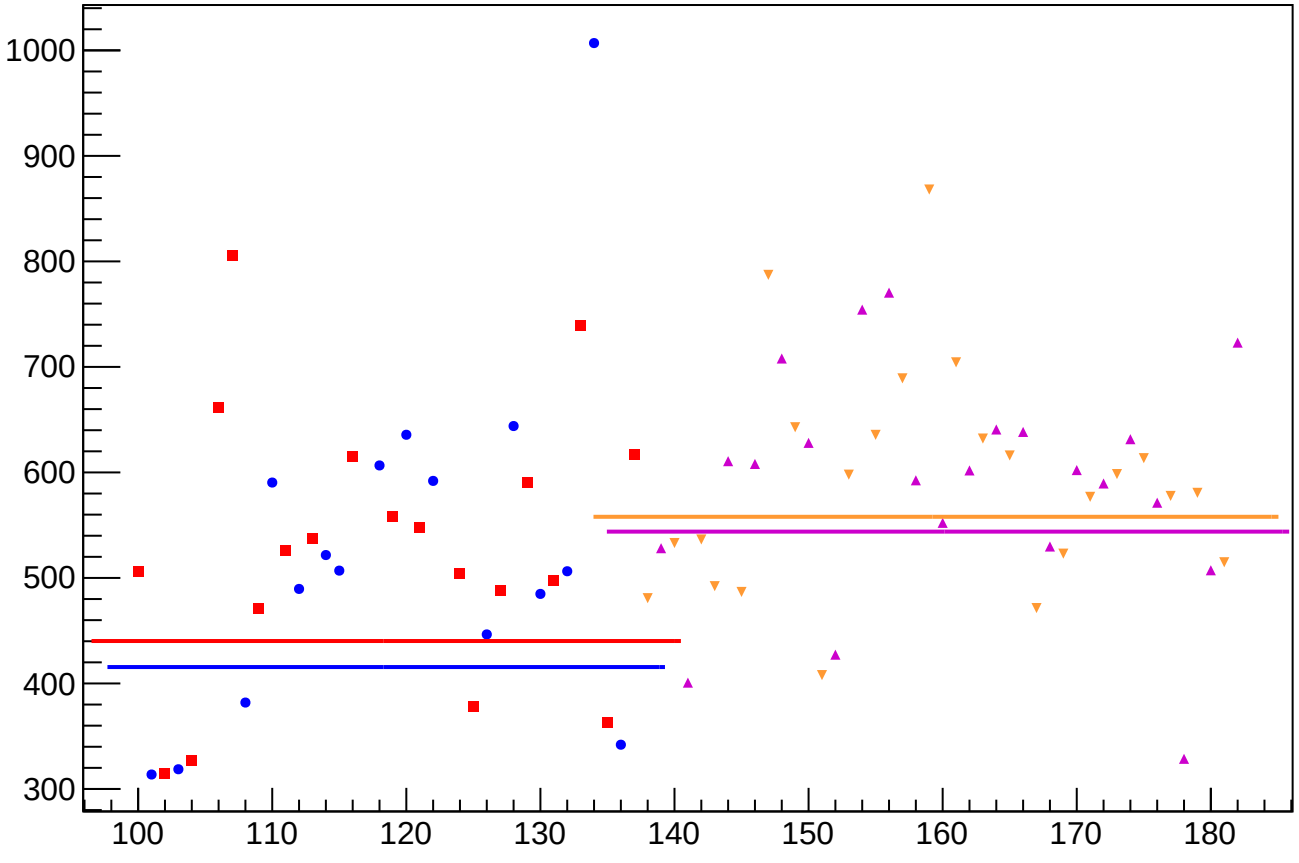
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 131044.551+/-0.108 χ^2/NDF:4238883325.7/37

Out: 130908.653+/-0.109 χ^2/NDF:3442612525.6/4

All: 130977.589+/-0.077 χ^2/NDF: 76822809

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 557.952+/-0.098 χ^2/NDF:892080.6/22

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 543.890+/-0.099 χ^2/NDF:1411015.4/21

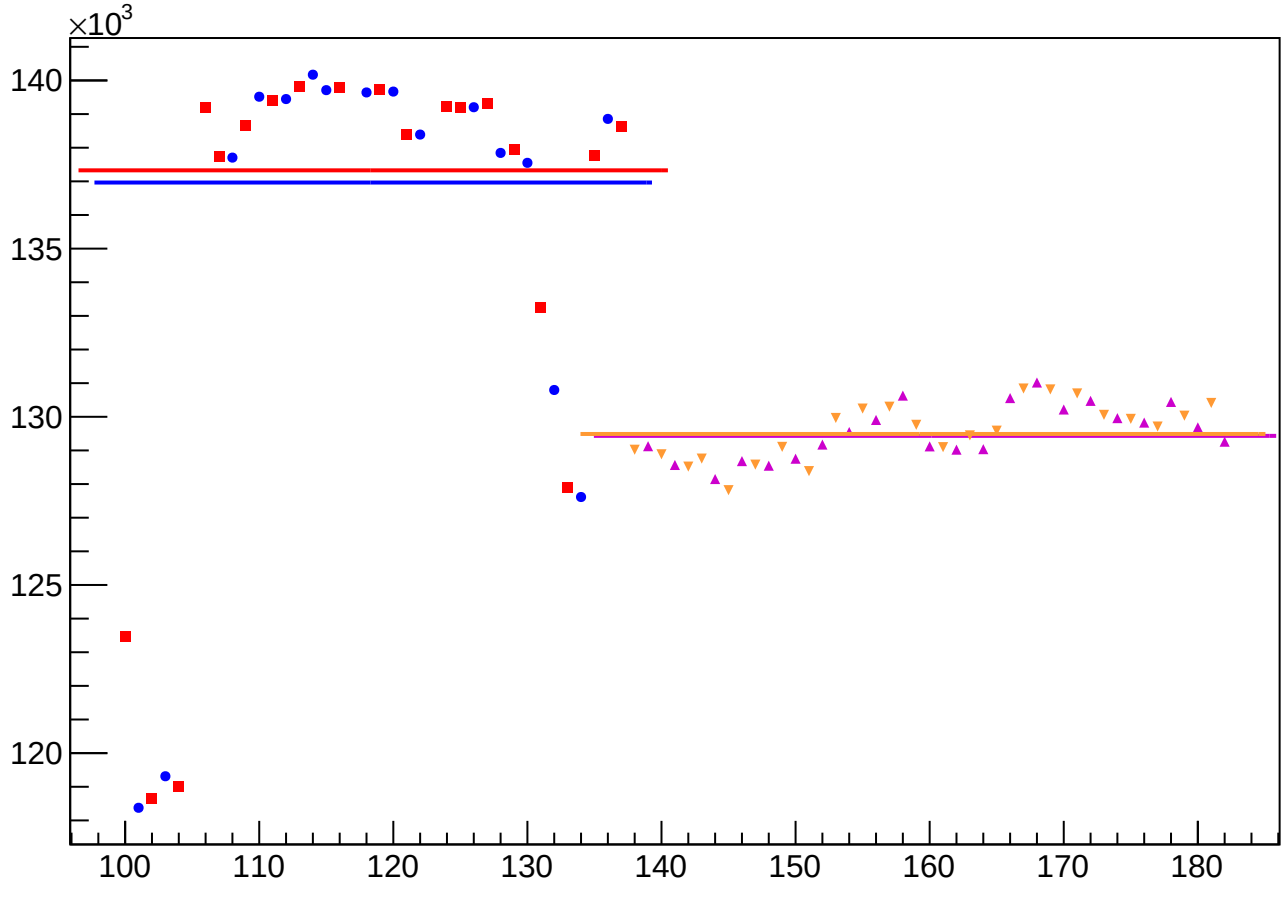
Left: 550.968+/-0.070 χ^2/NDF: 2313263.9/44

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 491.542+/-0.076 χ^2/NDF:3129042.8/37

Out: 512.942+/-0.077 χ^2/NDF:2351498.9/41

All: 502.086+/-0.054 χ^2/NDF: 5519475.9/79



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129489.328+/-0.048 χ^2/NDF:295436398.5/22

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129432.930+/-0.049 χ^2/NDF:268062941.6/21

Left: 129461.651+/-0.034 χ^2/NDF: 564183452.5/44

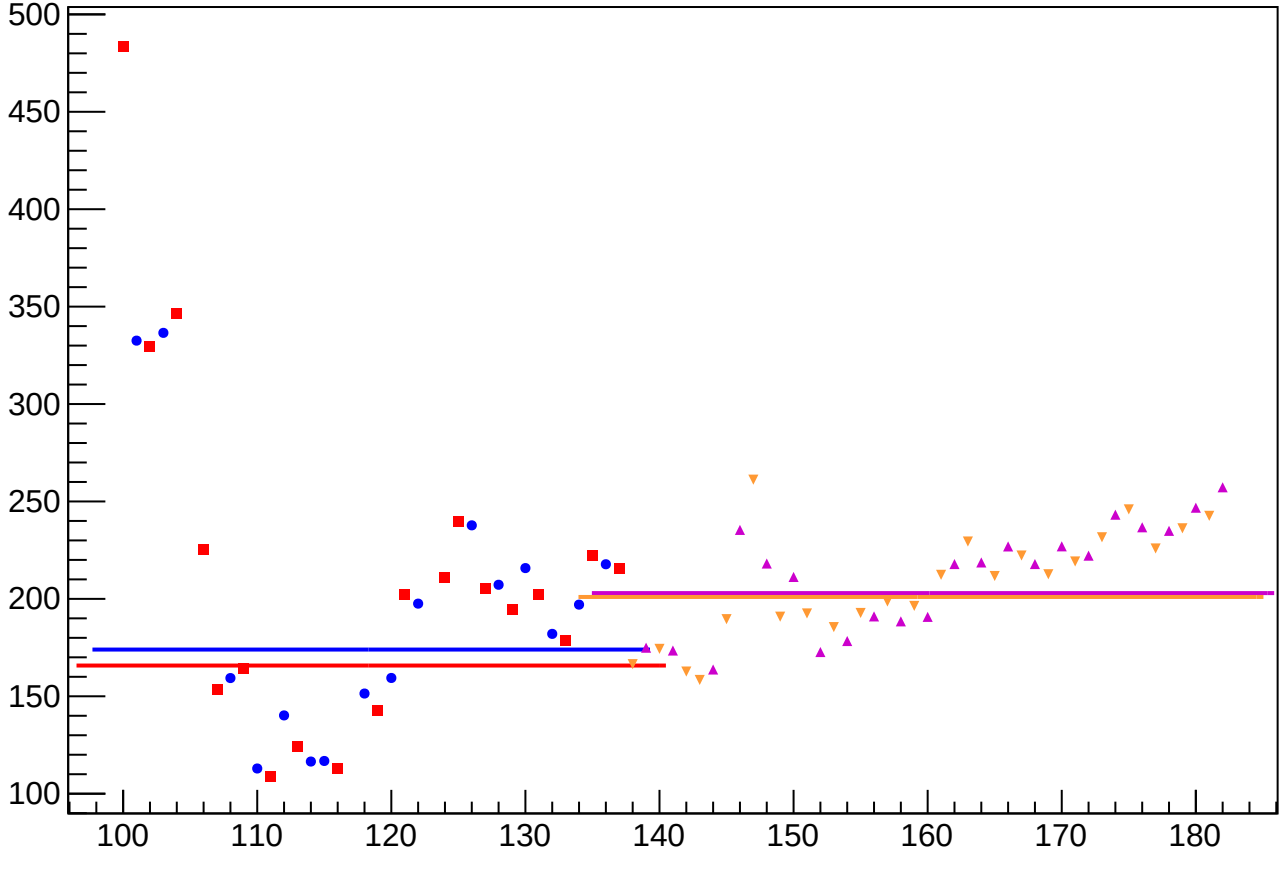
Right: 137157.181+/-0.048 χ^2/NDF: 1559848727.

In: 131899.701+/-0.040 χ^2/NDF:13922900044.2/3

Out: 132203.703+/-0.039 χ^2/NDF:15357560534.4

All: 132056.667+/-0.028 χ^2/NDF: 29310428

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 200.979+/-0.034 χ^2/NDF:631772.3/22

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 202.962+/-0.034 χ^2/NDF:635262.6/21

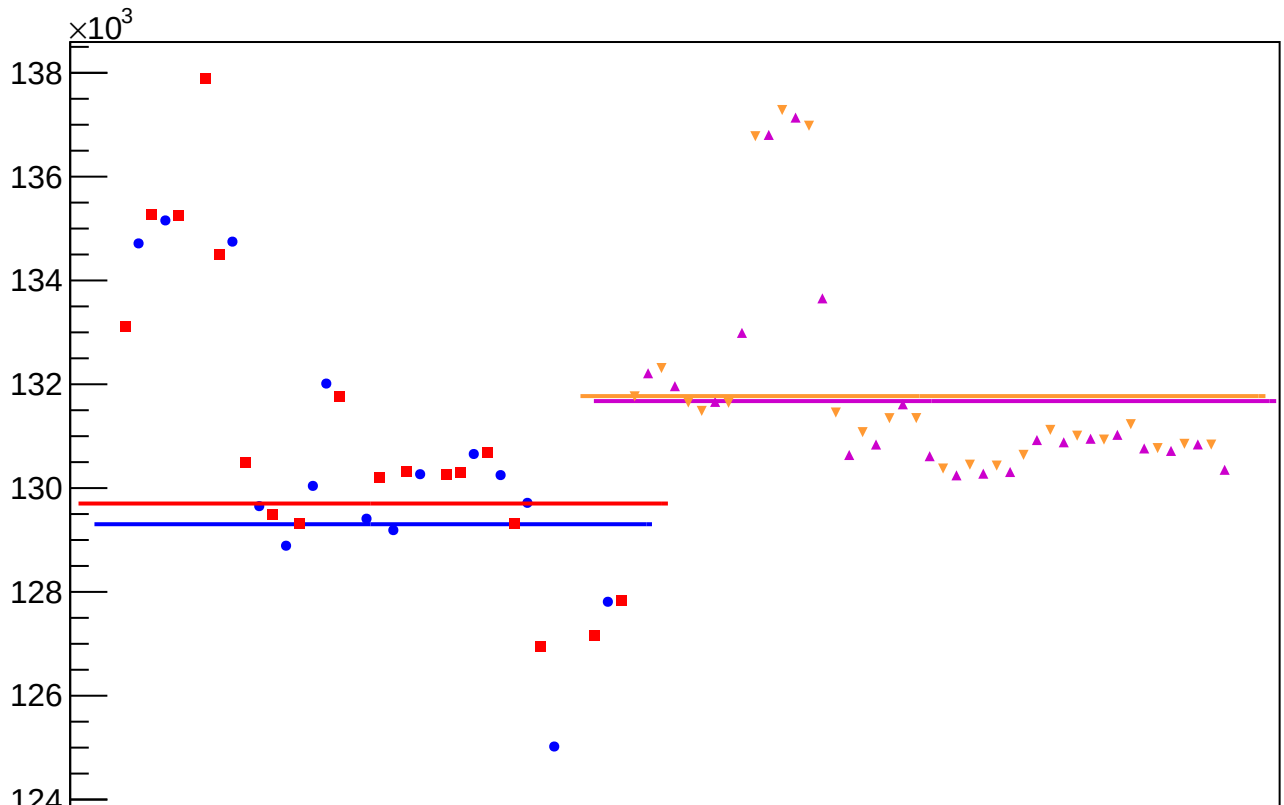
Left: 201.952+/-0.024 χ^2/NDF: 1268726.2/44

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 193.471+/-0.028 χ^2/NDF:2056096.2/37

Out: 188.790+/-0.027 χ^2/NDF:2441017.5/41

All: 191.054+/-0.020 χ^2/NDF: 4511325.2/79



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131772.288+/-0.048 χ^2/NDF:1397174867.8/22

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 131676.062+/-0.048 χ^2/NDF:1153682761.9/21

Left: 131724.964+/-0.034 χ^2/NDF: 2552865460.8/4

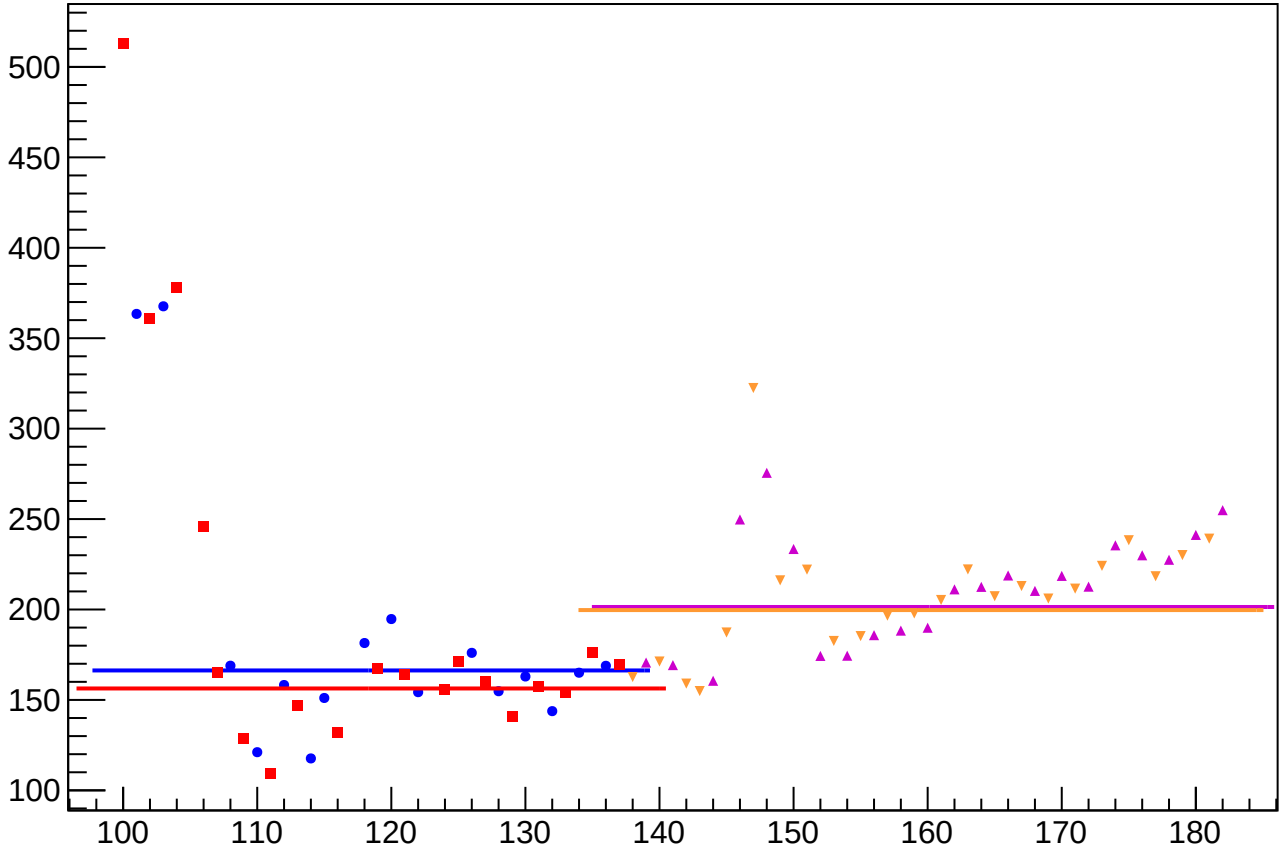
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130849.520+/-0.039 χ^2/NDF:3640523567.8/37

Out: 130997.091+/-0.038 χ^2/NDF:3882305902.3/4

All: 130926.022+/-0.027 χ^2/NDF: 753022255

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 199.680+/-0.034 χ^2/NDF:783338.9/22

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 201.388+/-0.034 χ^2/NDF:775156.5/21

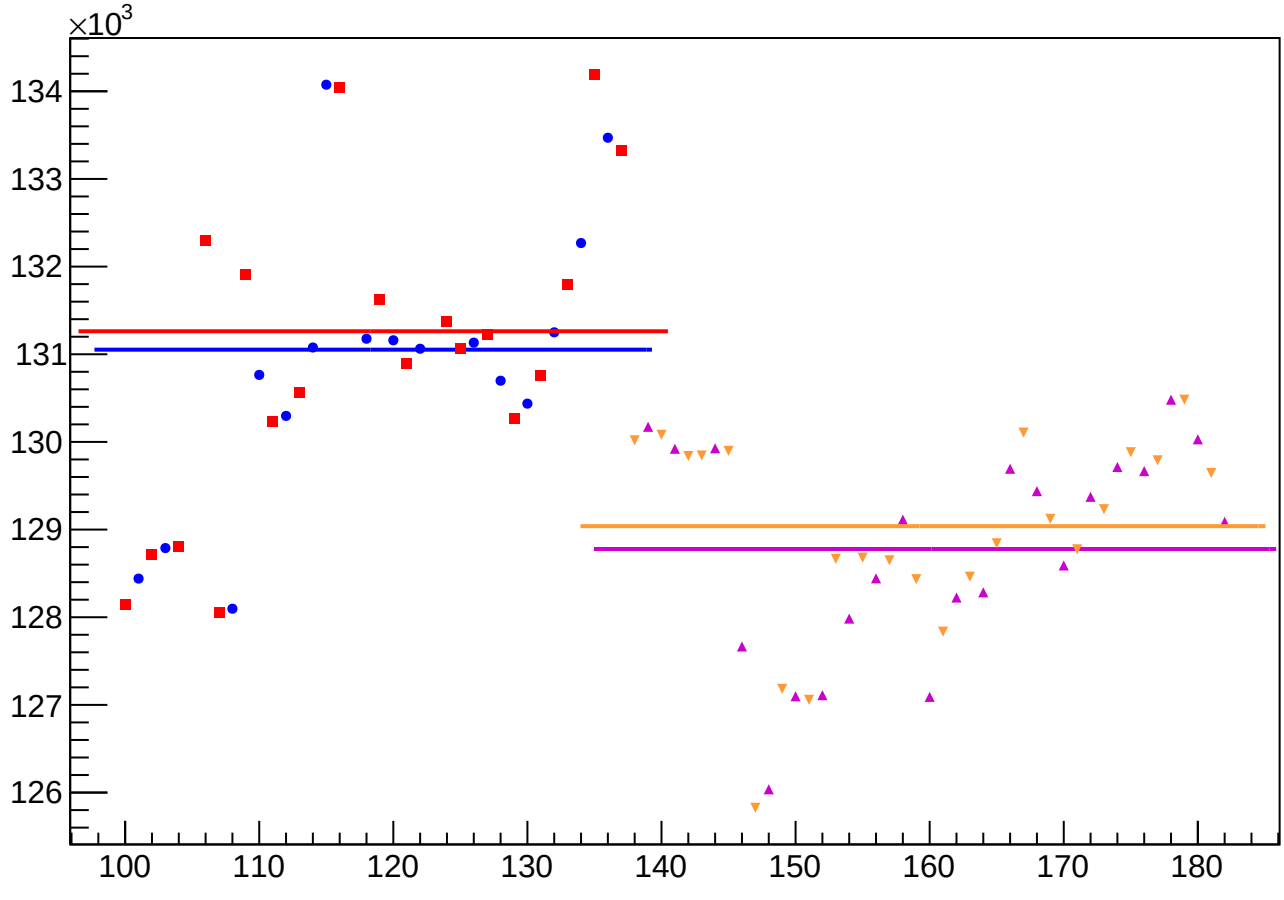
Left: 200.520+/-0.024 χ^2/NDF: 1559761.4/44

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 189.163+/-0.028 χ^2/NDF:2079139.4/37

Out: 183.445+/-0.027 χ^2/NDF:2576708.5/41

All: 186.199+/-0.019 χ^2/NDF: 4678049.0/79



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129038.891+/-0.046 χ^2/NDF:528615519.9/22

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 128778.567+/-0.047 χ^2/NDF:654308693.7/21

Left: 128911.236+/-0.033 χ^2/NDF: 1198483183.3/4

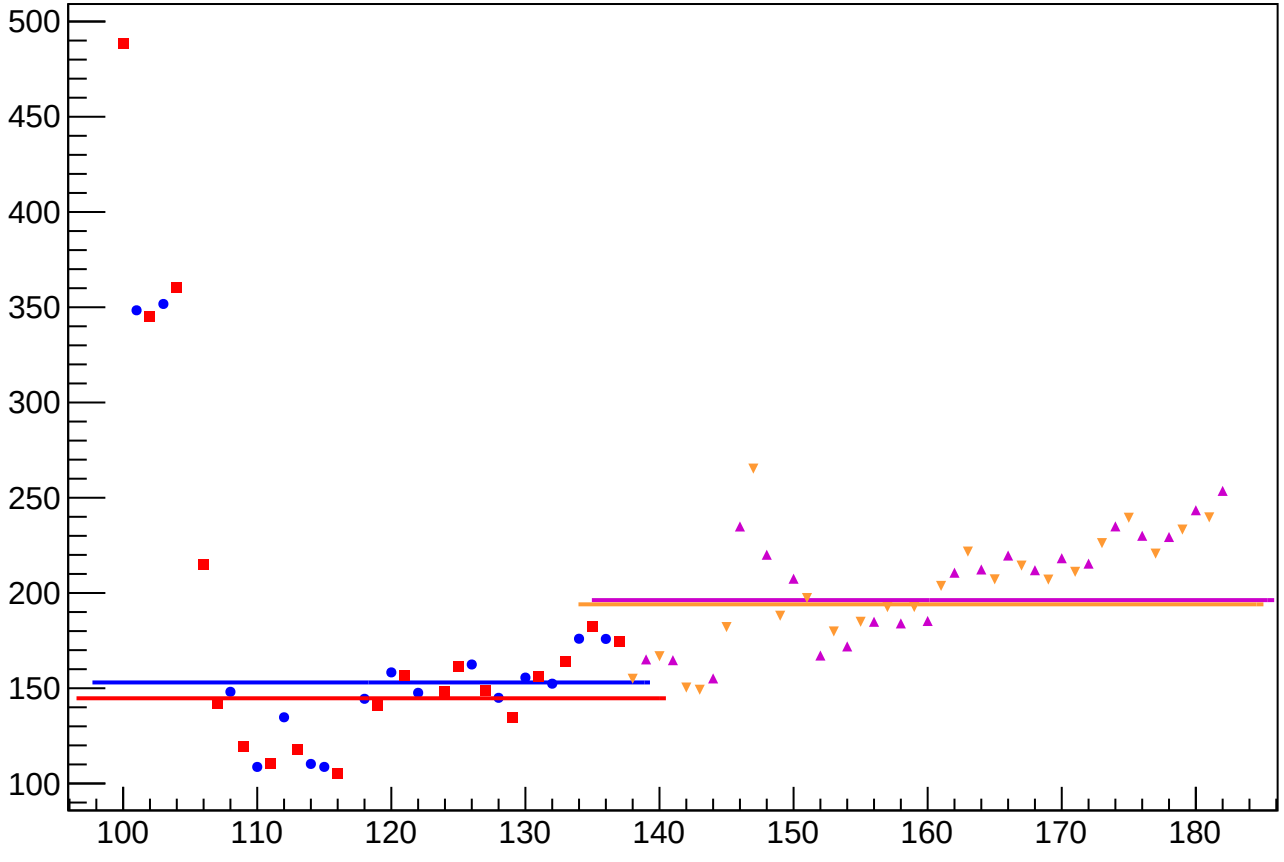
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129634.493+/-0.037 χ^2/NDF:2054807975.1/37

Out: 129927.054+/-0.036 χ^2/NDF:2057439886.8/4

All: 129786.344+/-0.026 χ^2/NDF: 41443429

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 194.050+/-0.033 χ^2/NDF:783153.1/22

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 196.261+/-0.033 χ^2/NDF:740230.7/21

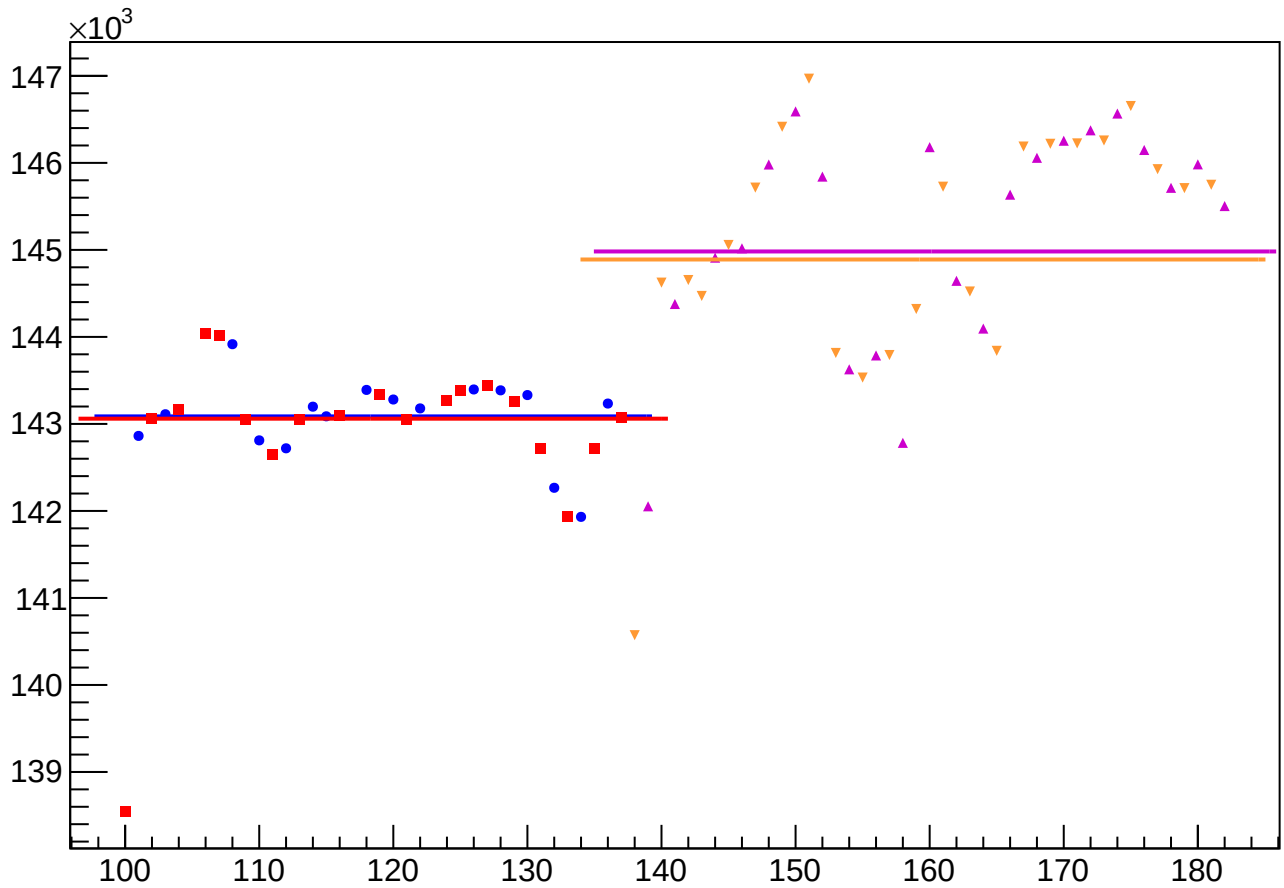
Left: 195.134+/-0.023 χ^2/NDF: 1525628.5/44

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 179.993+/-0.026 χ^2/NDF:2433180.1/37

Out: 174.348+/-0.025 χ^2/NDF:2956444.9/41

All: 177.063+/-0.018 χ^2/NDF: 5413518.0/79


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
147
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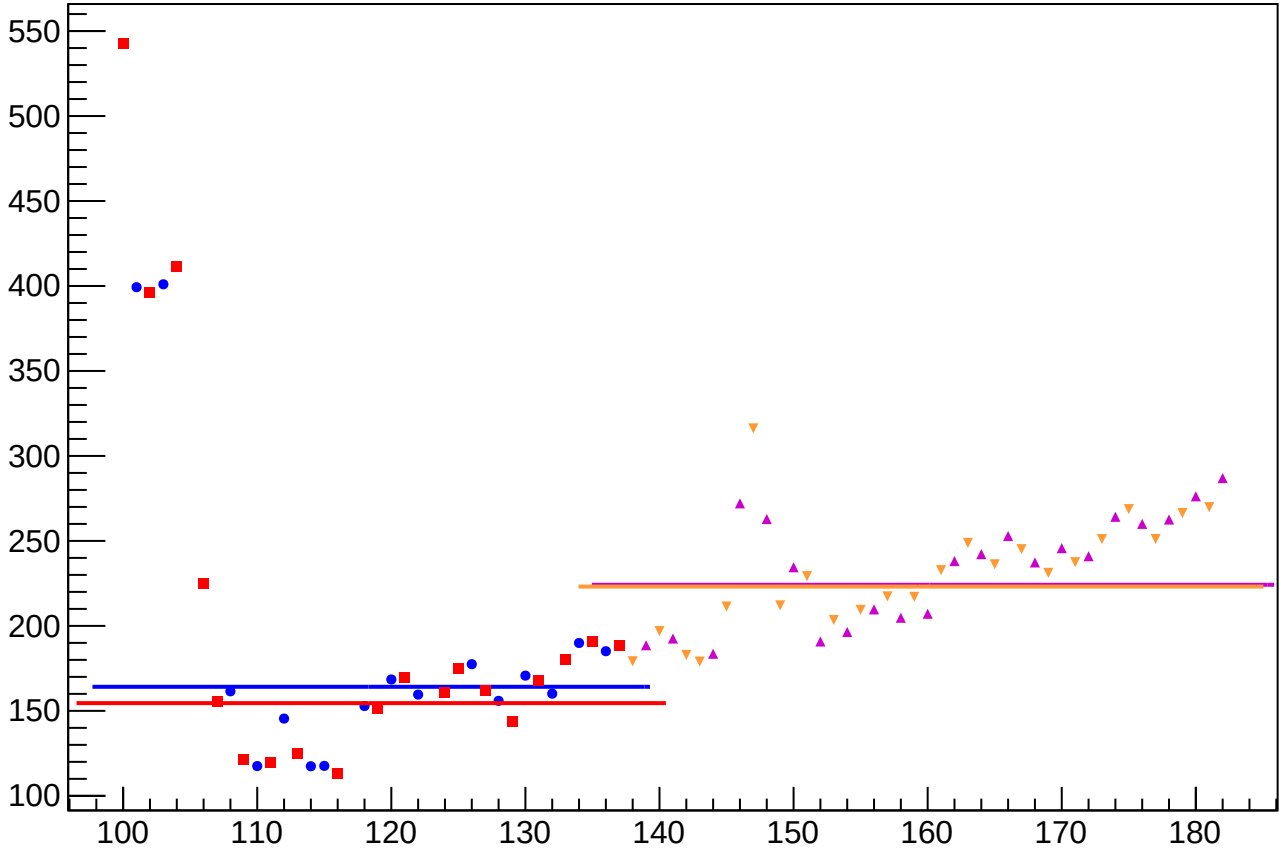
170
180
Right In: 143086.477+/-0.065 χ²/NDF: 46726277.8/15
Left Out: 144889.694+/-0.053 χ²/NDF:825732348.0/22
Right Out: 143060.268+/-0.061 χ²/NDF: 51715744.7/18
Left In: 144982.019+/-0.054 χ²/NDF:618285723.0/21
Left: 144935.246+/-0.038 χ²/NDF: 1445509296.1/4
Right: 143072.451+/-0.044 χ²/NDF: 98528807.3/34
In: 144212.327+/-0.041 χ²/NDF:1168831333.3/37
Out: 144095.858+/-0.040 χ²/NDF:1392396845.7/4
All: 144151.924+/-0.029 χ²/NDF: 25653184

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 223.133+/-0.038 χ^2/NDF:656009.0/22

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 224.201+/-0.038 χ^2/NDF:688991.9/21

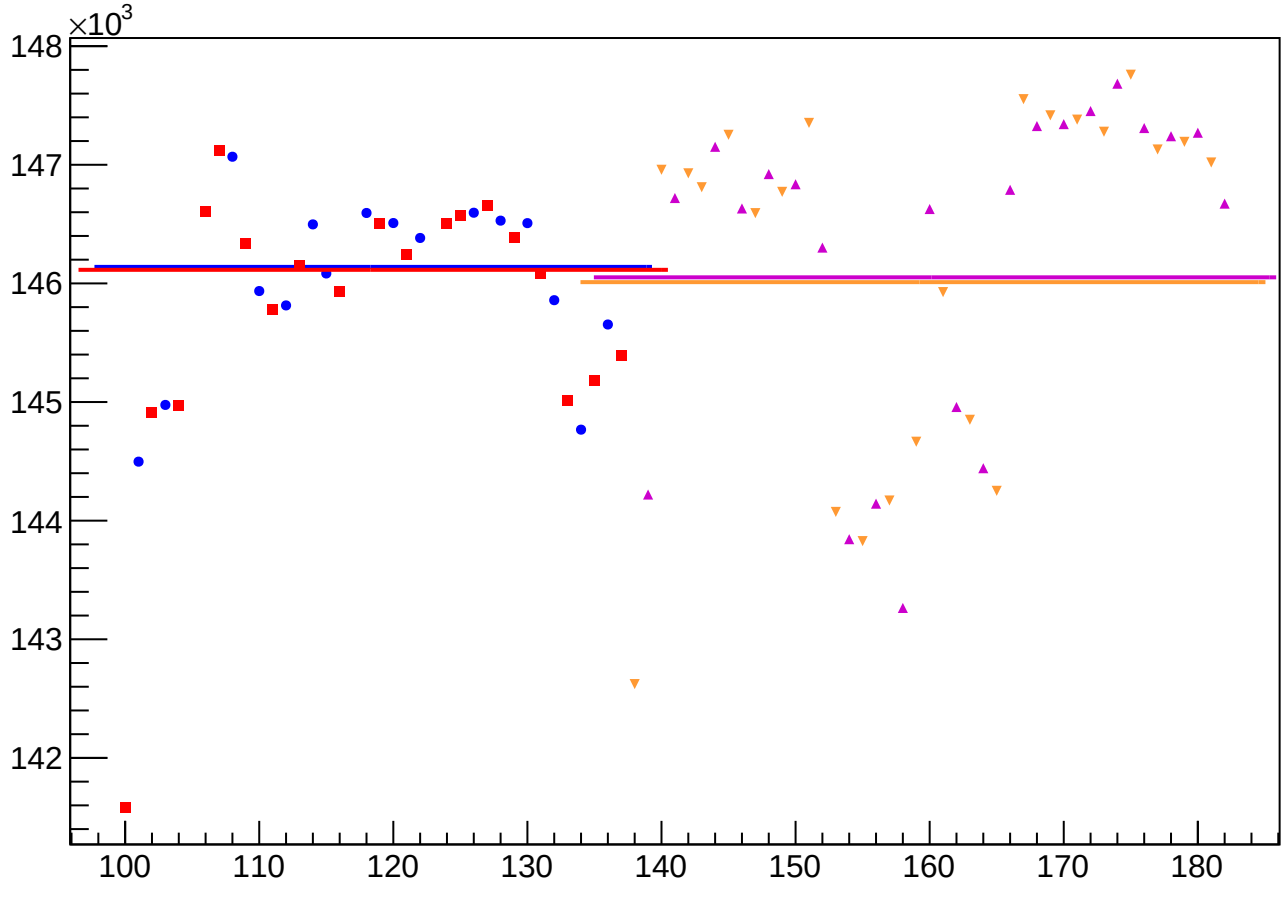
Left: 223.660+/-0.027 χ^2/NDF: 1345399.9/44

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 199.824+/-0.029 χ^2/NDF:2829489.7/37

Out: 193.376+/-0.028 χ^2/NDF:3469938.0/41

All: 196.480+/-0.020 χ^2/NDF: 6324495.1/79



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 146010.626+/-0.053 χ^2/NDF:871365198.6/22

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 146051.175+/-0.054 χ^2/NDF:697562490.3/21

Left: 146030.548+/-0.038 χ^2/NDF: 1569216655.1/4

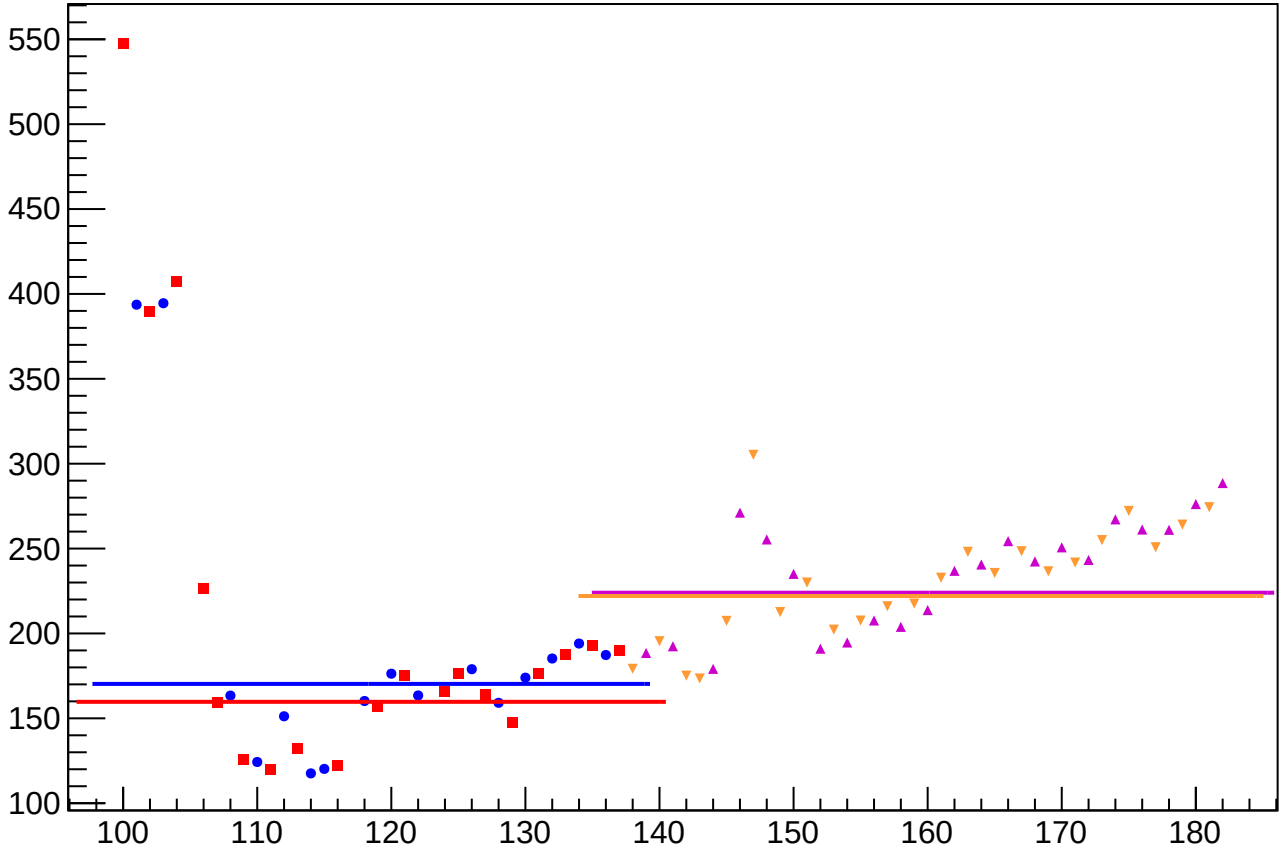
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146085.454+/-0.042 χ^2/NDF:770327194.5/37

Out: 146053.954+/-0.040 χ^2/NDF:946076571.4/41

All: 146069.060+/-0.029 χ^2/NDF: 17166958

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 222.047+/-0.037 χ^2/NDF:725787.6/22

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 223.989+/-0.038 χ^2/NDF:722533.1/21

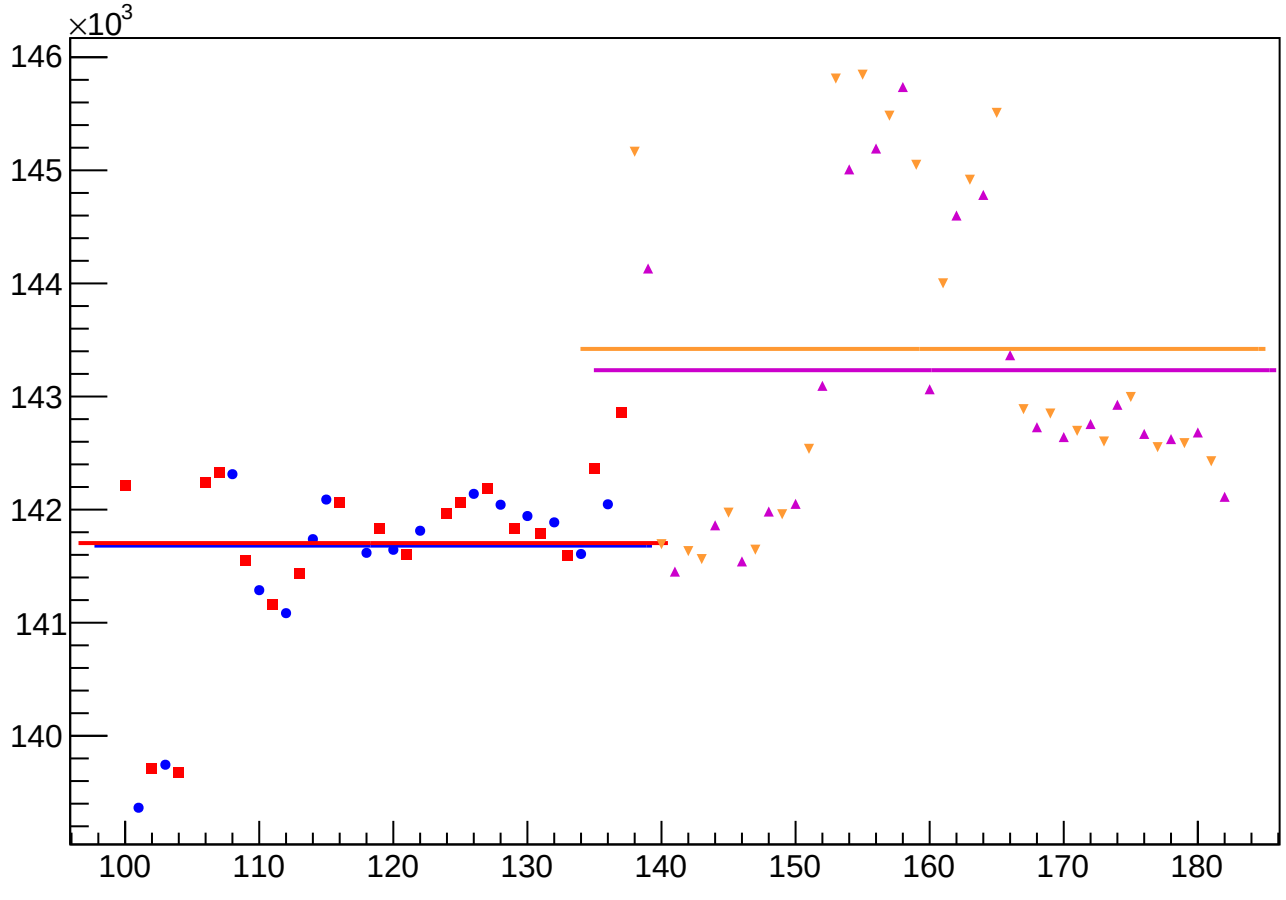
Left: 223.001+/-0.027 χ^2/NDF: 1449646.2/44

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 203.082+/-0.030 χ^2/NDF:2556030.2/37

Out: 196.040+/-0.029 χ^2/NDF:3176640.7/41

All: 199.417+/-0.021 χ^2/NDF: 5761868.4/79



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143420.937+/-0.055 χ^2/NDF:772735441.1/22

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143232.786+/-0.055 χ^2/NDF:536074126.1/21

Left: 143327.646+/-0.039 χ^2/NDF: 1314689747.5/4

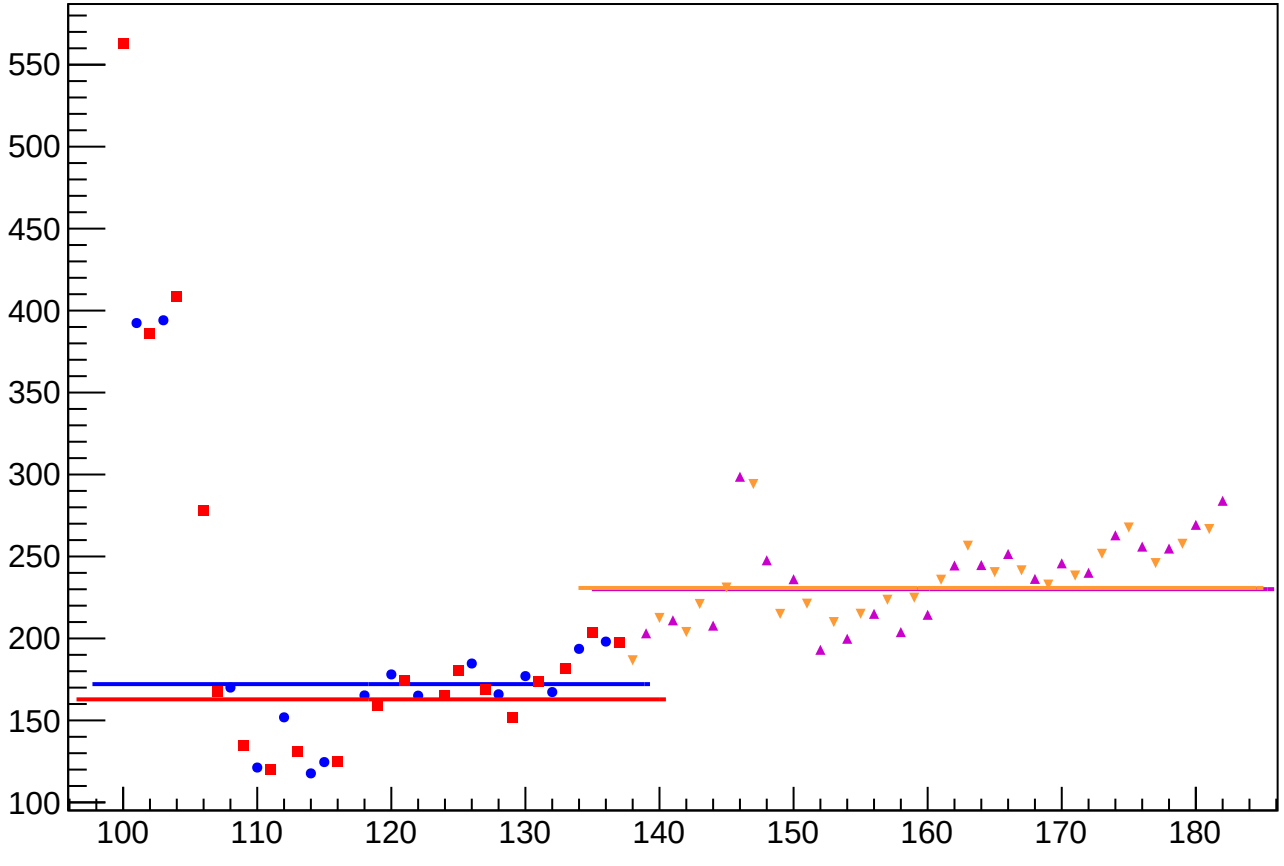
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142621.103+/-0.043 χ^2/NDF:912918586.7/37

Out: 142694.524+/-0.041 χ^2/NDF:1256032085.6/4

All: 142659.011+/-0.030 χ^2/NDF: 21704682

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 230.800+/-0.039 χ^2/NDF:351641.3/22

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 230.070+/-0.039 χ^2/NDF:485265.8/21

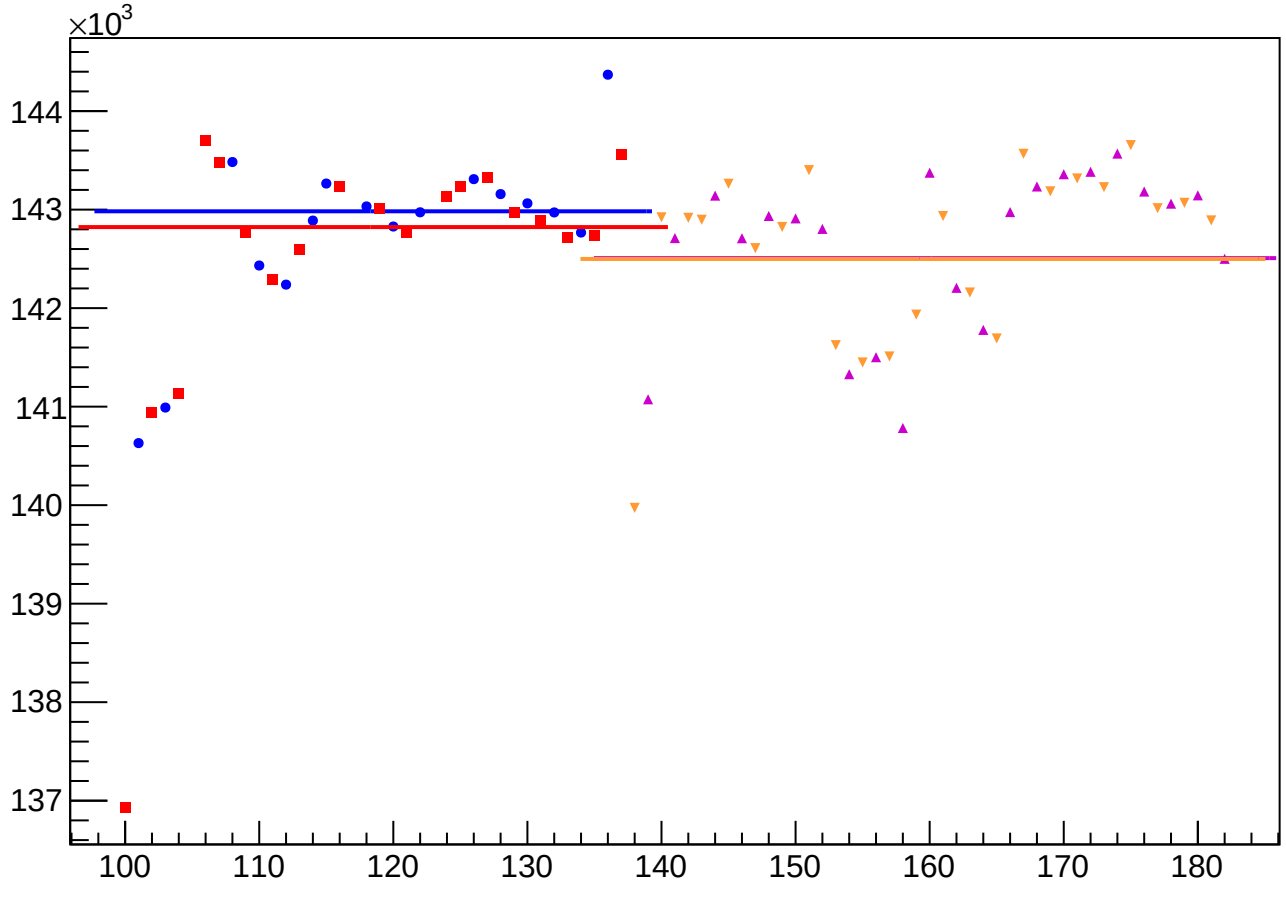
Left: 230.438+/-0.027 χ^2/NDF: 837084.2/44

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 207.222+/-0.030 χ^2/NDF:2425995.6/37

Out: 202.046+/-0.029 χ^2/NDF:2966678.9/41

All: 204.550+/-0.021 χ^2/NDF: 5407727.1/79



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142499.315+/-0.052 χ^2/NDF:336352925.9/22

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142507.661+/-0.053 χ^2/NDF:269271713.8/21

Left: 142503.415+/-0.037 χ^2/NDF: 605637426.4/44

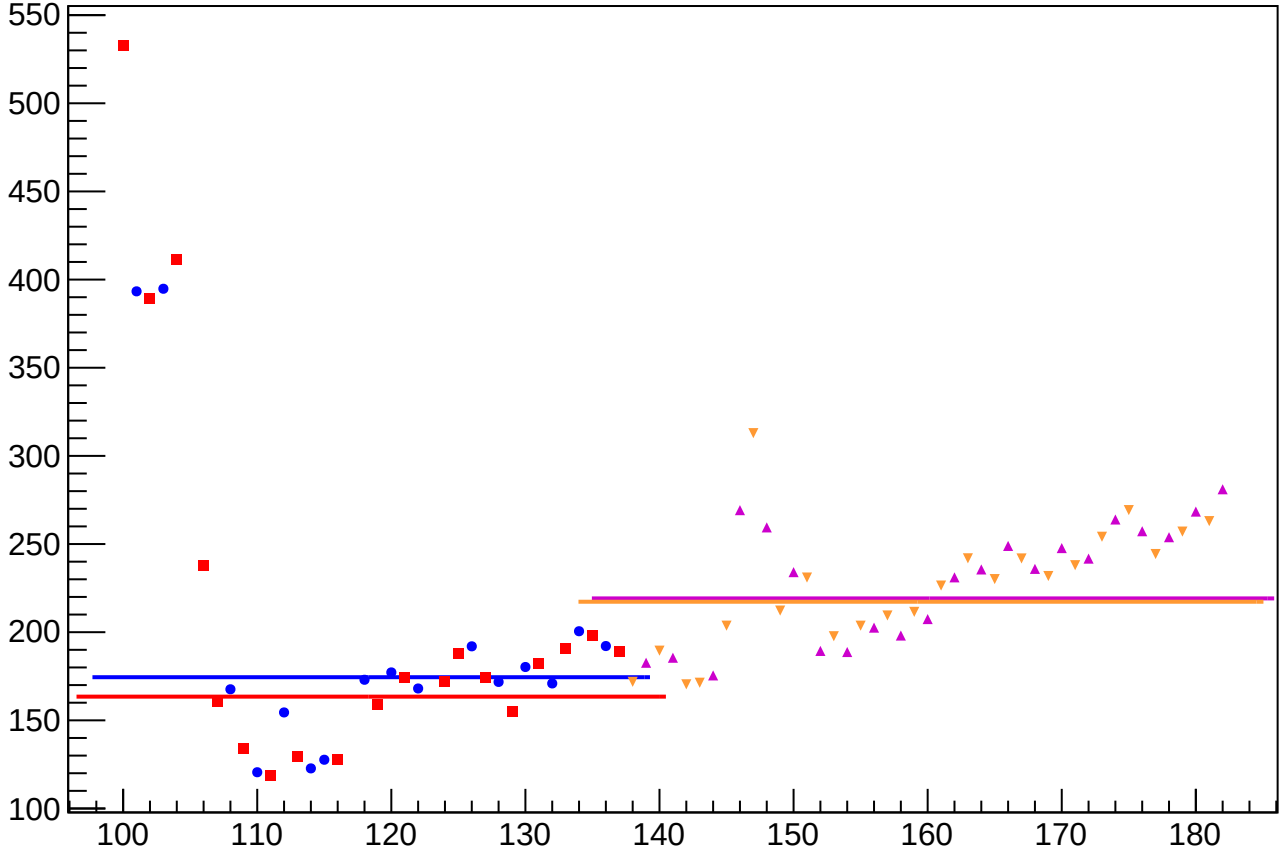
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142682.177+/-0.042 χ^2/NDF:406907168.4/37

Out: 142627.049+/-0.040 χ^2/NDF:415368973.3/41

All: 142653.517+/-0.029 χ^2/NDF: 82317717

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 217.275+/-0.037 χ^2/NDF:773860.2/22

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 219.161+/-0.037 χ^2/NDF:771410.8/21

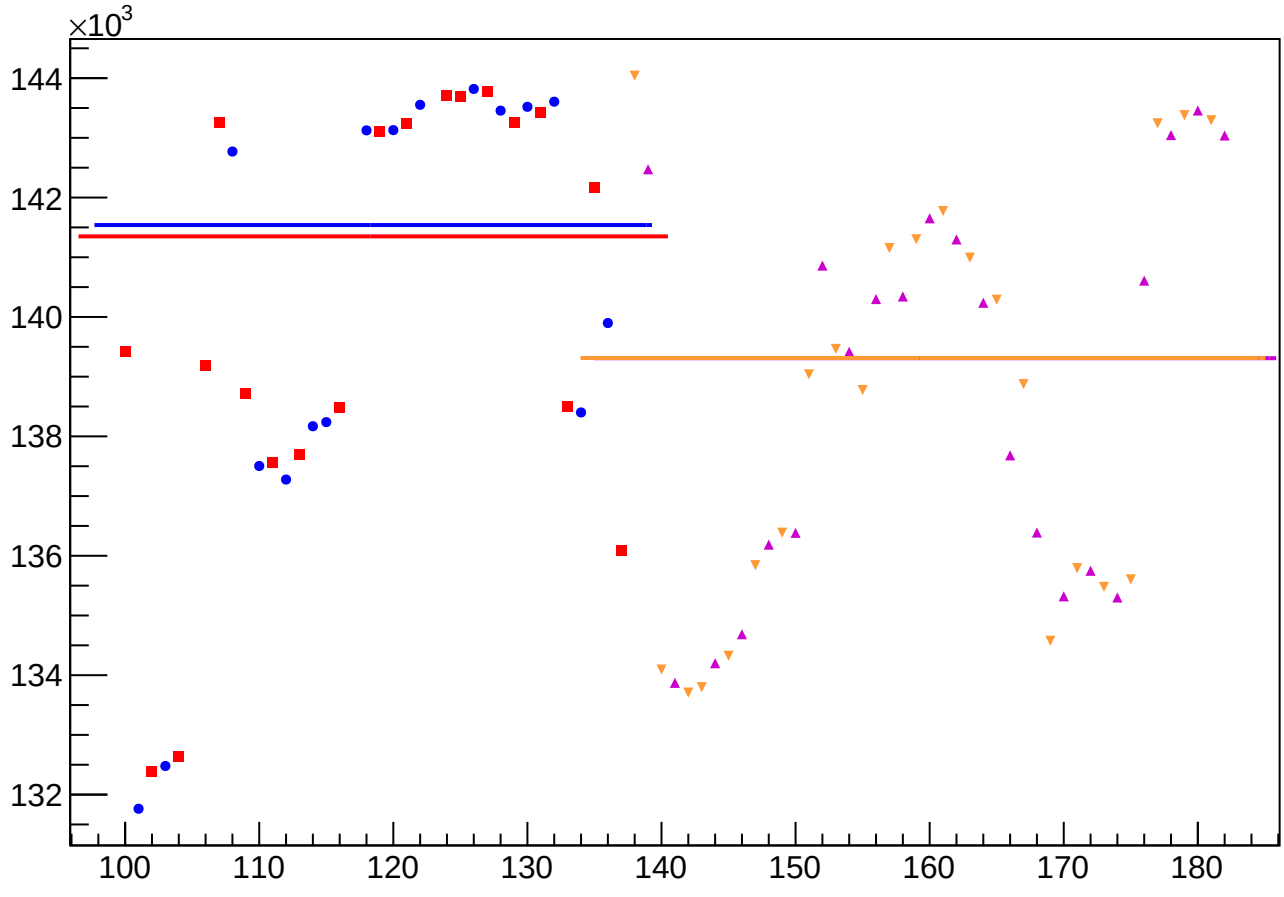
Left: 218.202+/-0.026 χ^2/NDF: 1546577.2/44

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 202.752+/-0.030 χ^2/NDF:2349898.6/37

Out: 196.016+/-0.028 χ^2/NDF:2911449.1/41

All: 199.250+/-0.021 χ^2/NDF: 5288257.3/79


yield_bpm0r03WS_mean vs Slug, Sign Corrected
×10^3
144
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170
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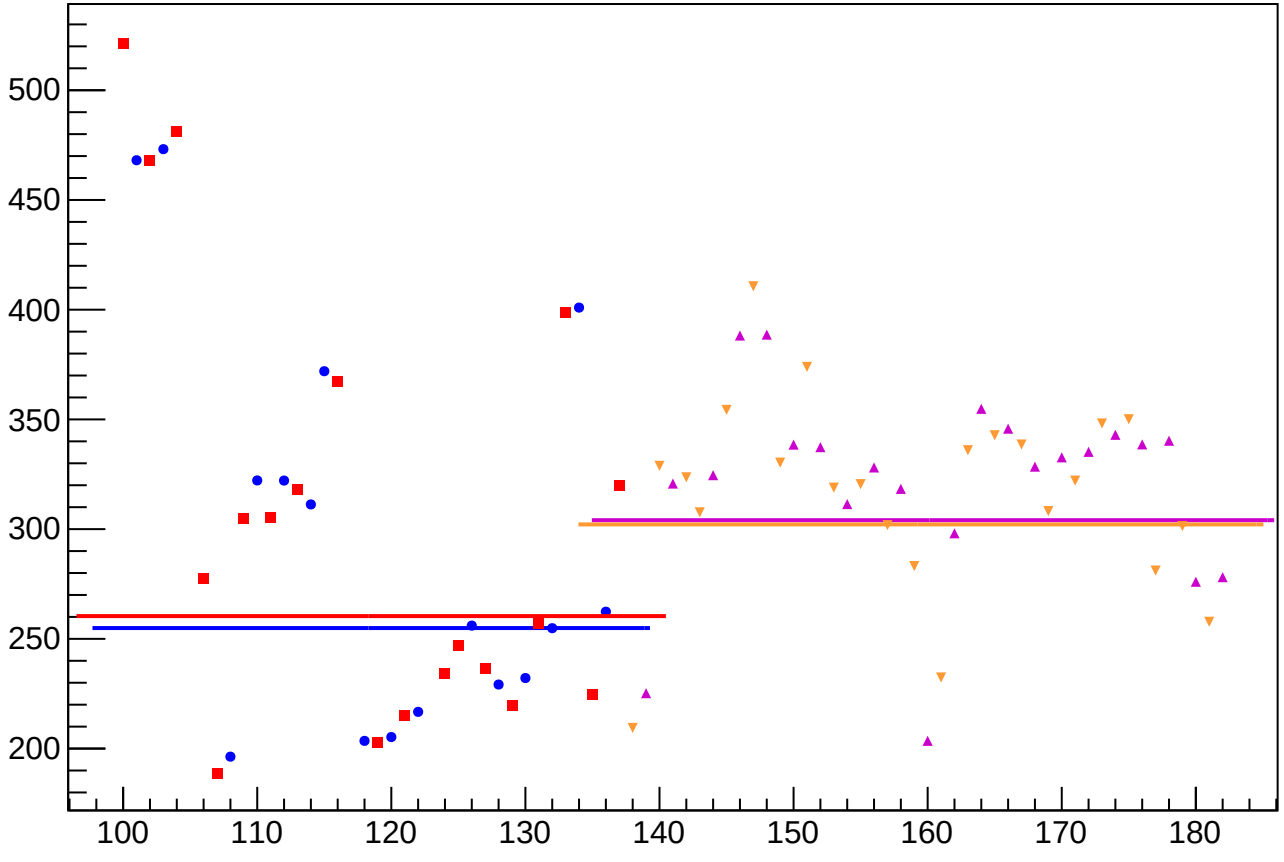
Right In: 141539.467+/-0.101 χ²/NDF: 947743743.7/15
Left Out: 139312.760+/-0.072 χ²/NDF:2388762207.9/22
Right Out: 141349.499+/-0.101 χ²/NDF: 926661757.9/18
Left In: 139309.224+/-0.074 χ²/NDF:1874301368.4/21
Left: 139311.023+/-0.052 χ²/NDF: 4263064749.9/4
Right: 141444.713+/-0.071 χ²/NDF: 1876176691.0/
In: 140085.052+/-0.059 χ²/NDF:3141219693.9/37
Out: 140002.997+/-0.059 χ²/NDF:3583975926.8/4
All: 140043.588+/-0.042 χ²/NDF: 67261580

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 302.141+/-0.051 χ^2/NDF:868526.1/22

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 304.072+/-0.052 χ^2/NDF:972807.3/21

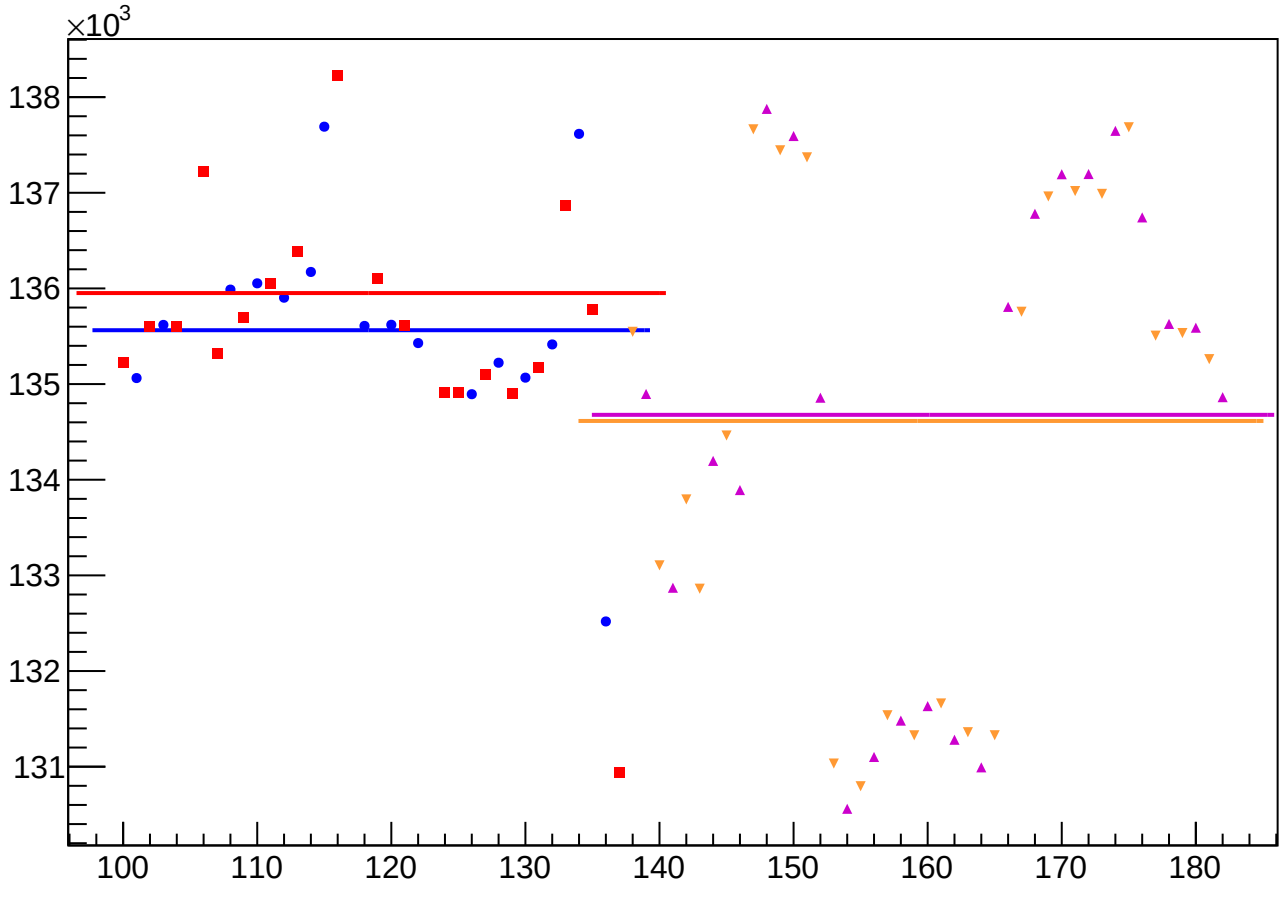
Left: 303.089+/-0.036 χ^2/NDF: 1842033.0/44

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 286.973+/-0.042 χ^2/NDF:2232820.4/37

Out: 287.985+/-0.042 χ^2/NDF:2087753.9/41

All: 287.484+/-0.030 χ^2/NDF: 4320866.8/79


yield_bpm0r05WS_mean vs Slug, Sign Corrected
×10^3
138
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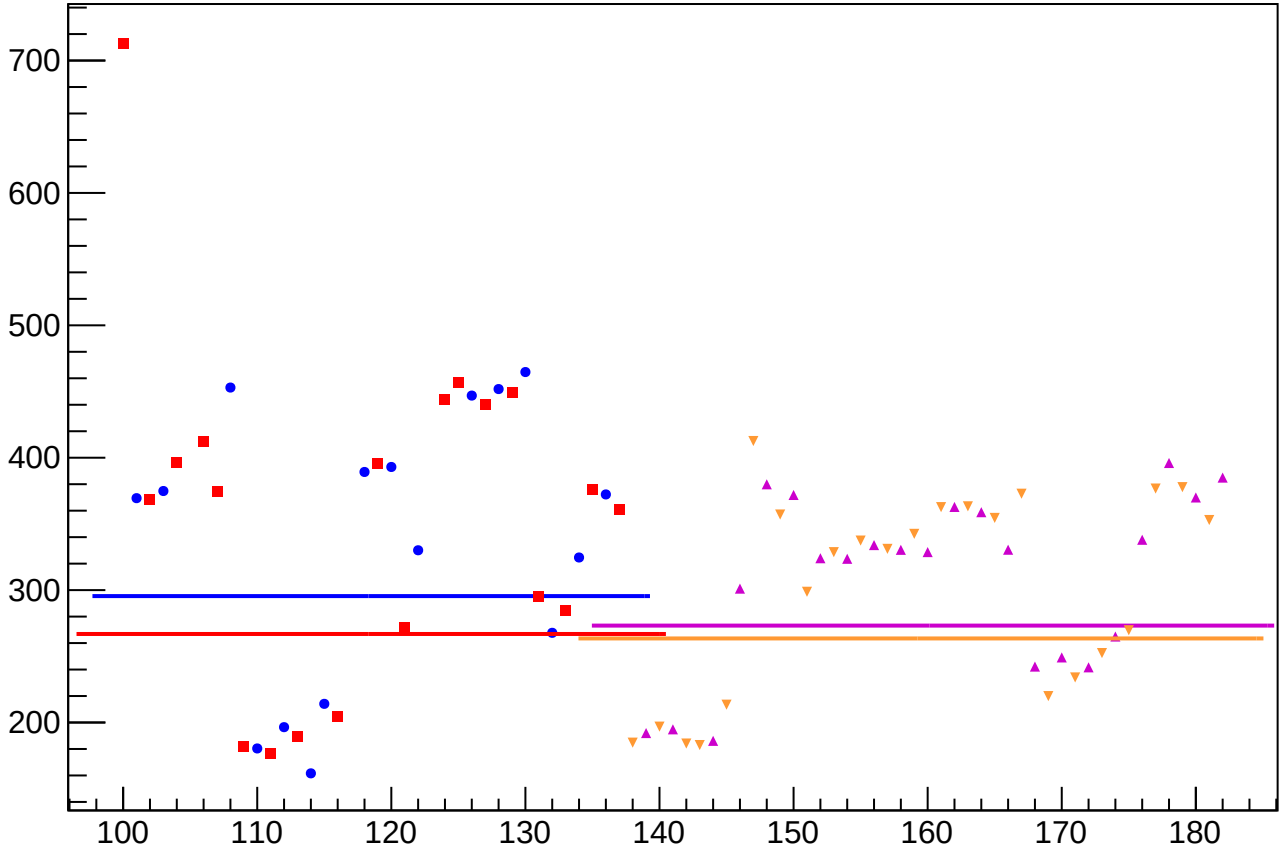
170
180
Right In: 135563.062+/-0.118 χ²/NDF: 94169293.7/15
Left Out: 134614.488+/-0.065 χ²/NDF:1201082758.9/22
Right Out: 135951.486+/-0.106 χ²/NDF: 91577209.6/18
Left In: 134678.413+/-0.067 χ²/NDF:1096295233.5/21
Left: 134645.188+/-0.047 χ²/NDF: 2297848862.8/4
Right: 135777.958+/-0.079 χ²/NDF: 191705440.0/3
In: 134893.892+/-0.058 χ²/NDF:1232725760.9/37
Out: 134974.485+/-0.055 χ²/NDF:1408143300.1/4
All: 134936.474+/-0.040 χ²/NDF: 26418748

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 263.487+/-0.046 χ^2/NDF:2601832.3/22

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 273.194+/-0.047 χ^2/NDF:2182197.0/21

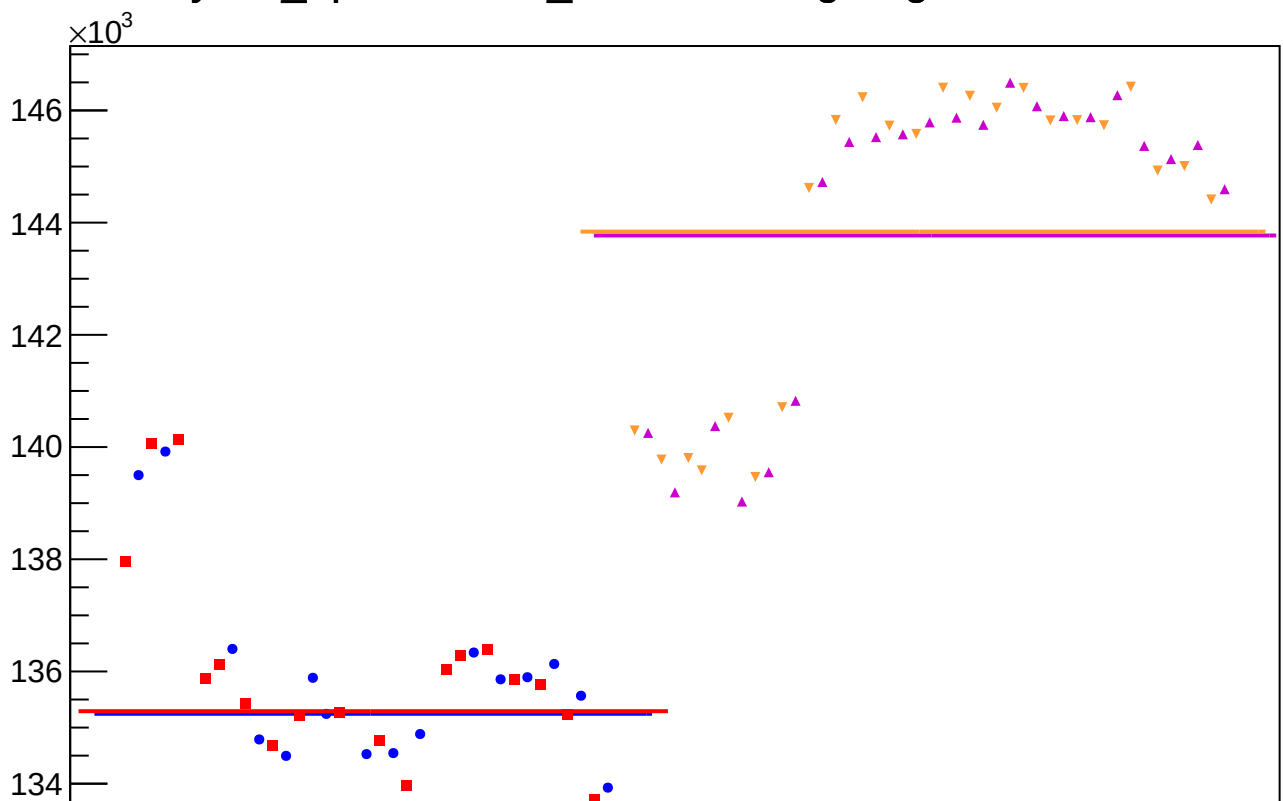
Left: 268.149+/-0.033 χ^2/NDF: 4805742.2/44

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 278.622+/-0.041 χ^2/NDF:3678377.4/37

Out: 264.396+/-0.039 χ^2/NDF:4281379.1/41

All: 271.106+/-0.028 χ^2/NDF: 8022437.1/79



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143840.330+/-0.049 χ^2/NDF:3125897170.5/22

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 143770.818+/-0.051 χ^2/NDF:2803125585.1/21

Left: 143807.039+/-0.035 χ^2/NDF: 5929985528.7/4

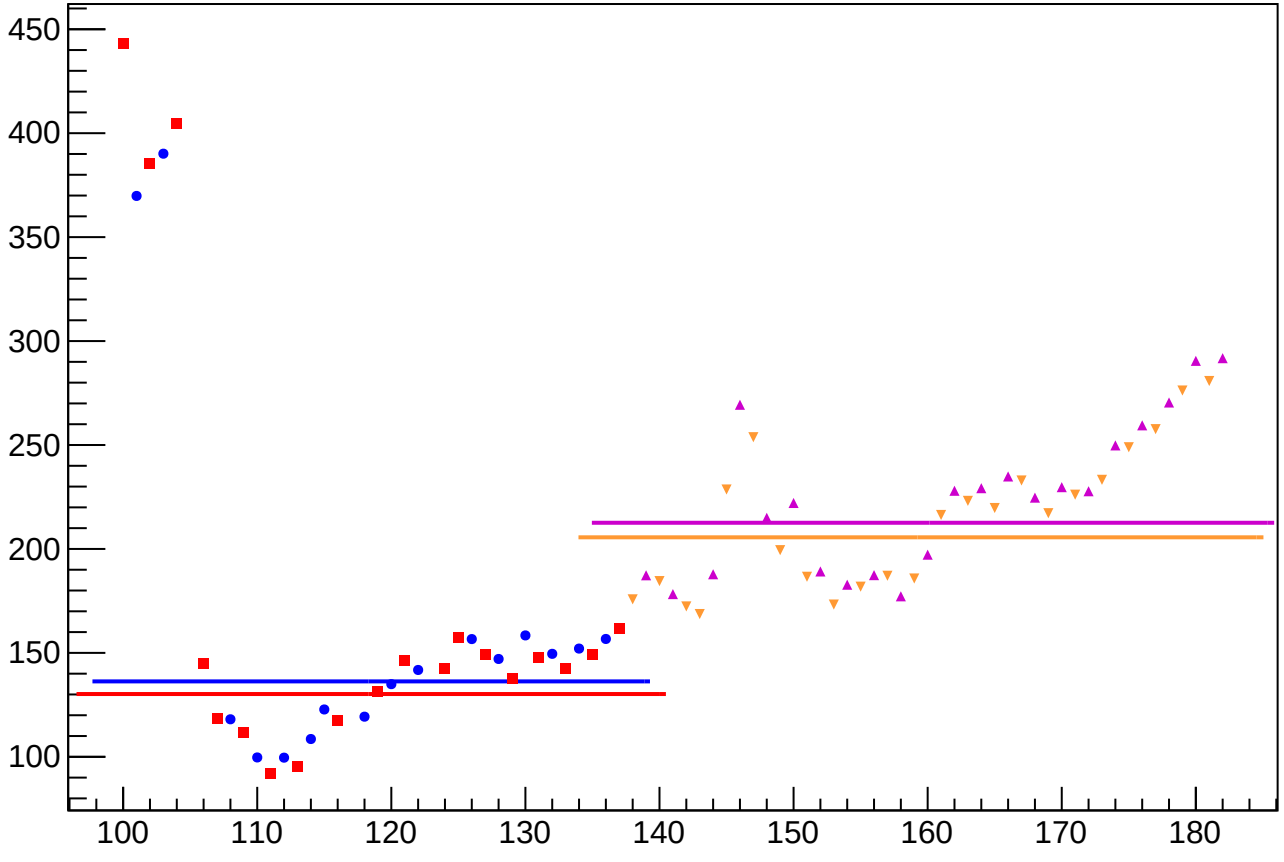
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 139796.811+/-0.037 χ^2/NDF:16145804541.3/3

Out: 139796.953+/-0.036 χ^2/NDF:17888178311.1

All: 139796.885+/-0.026 χ^2/NDF: 34033982

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 205.593+/-0.035 χ^2/NDF:806340.8/22

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 212.594+/-0.036 χ^2/NDF:822112.8/21

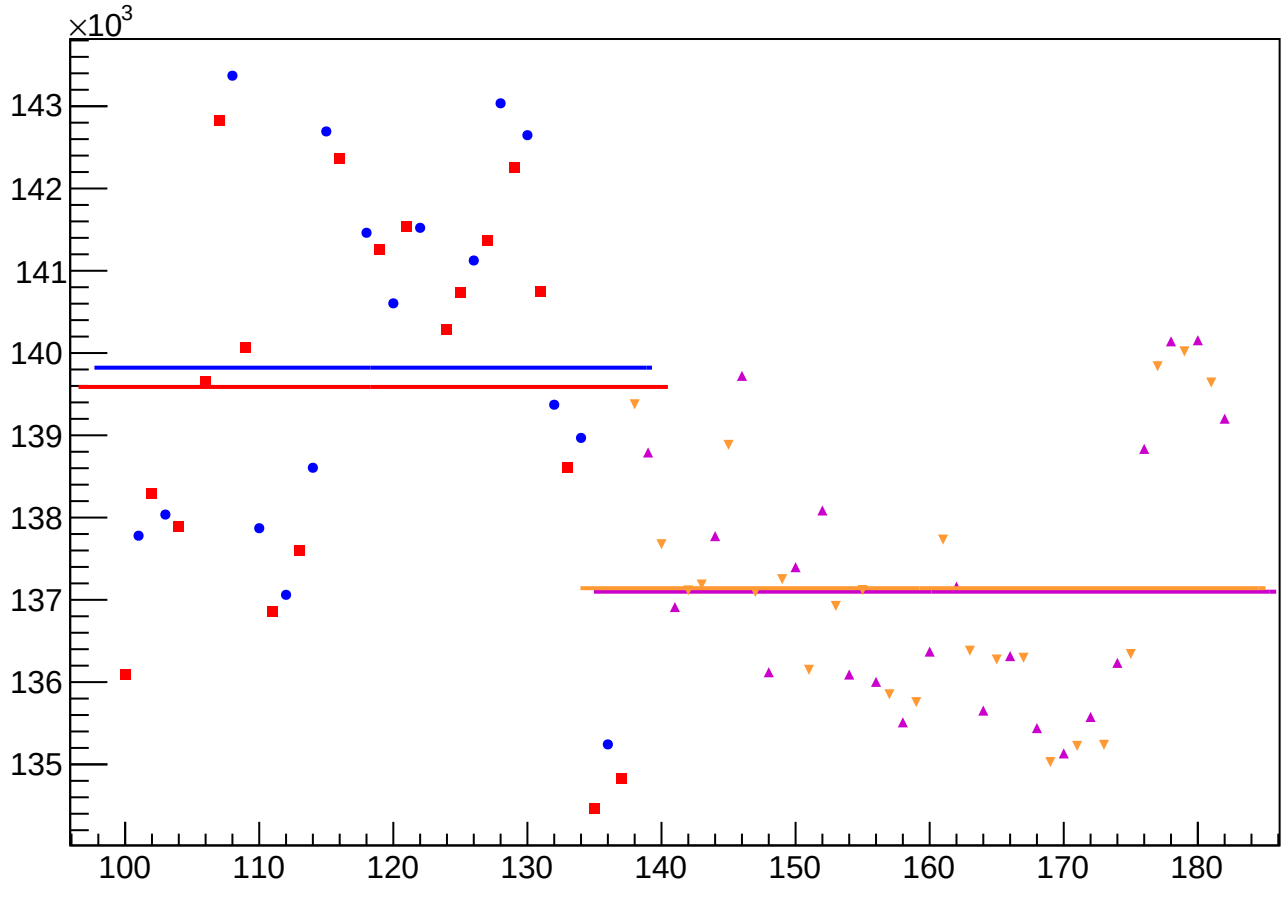
Left: 208.946+/-0.025 χ^2/NDF: 1647986.8/44

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 177.020+/-0.026 χ^2/NDF:4282279.9/37

Out: 169.935+/-0.025 χ^2/NDF:4563933.1/41

All: 173.306+/-0.018 χ^2/NDF: 8883913.9/79



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137141.679+/-0.050 χ^2/NDF:803301178.6/22

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 137099.031+/-0.051 χ^2/NDF:835274173.0/21

Left: 137120.924+/-0.036 χ^2/NDF: 1638932375.2/4

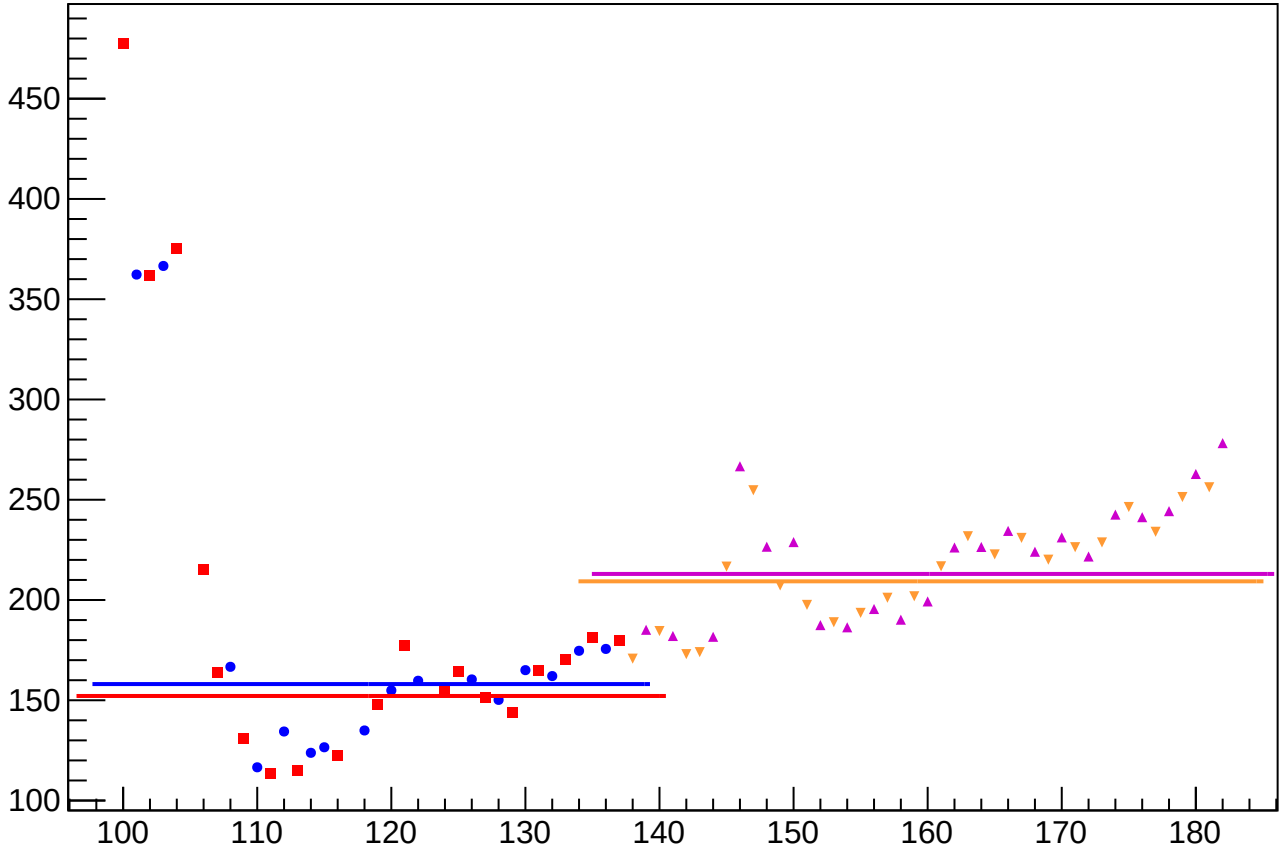
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138189.123+/-0.040 χ^2/NDF:3633702757.0/37

Out: 138144.694+/-0.038 χ^2/NDF:3275882792.0/4

All: 138166.134+/-0.028 χ^2/NDF: 69102368

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 209.311+/-0.035 χ^2/NDF:518759.7/22

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 212.999+/-0.036 χ^2/NDF:586563.2/21

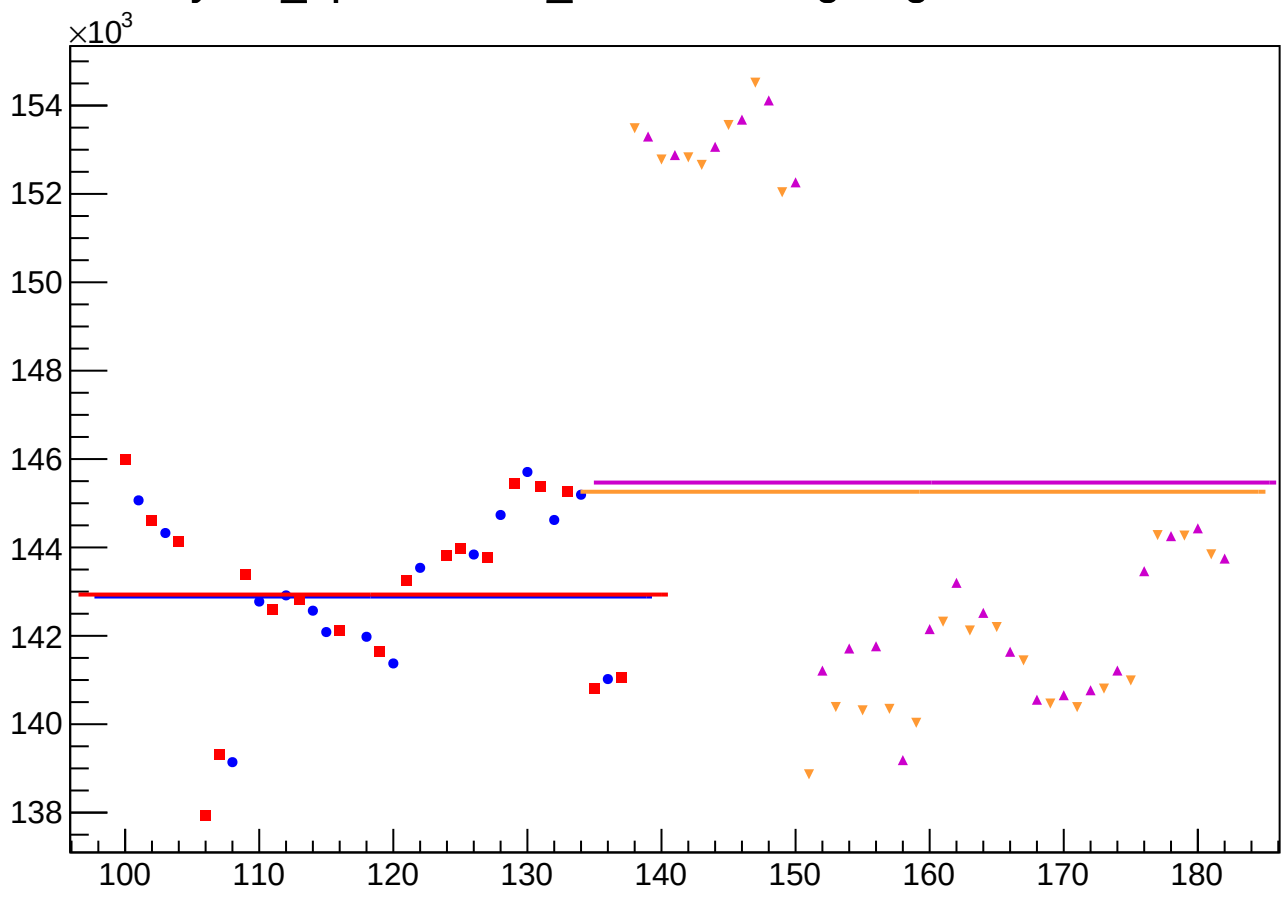
Left: 211.106+/-0.025 χ^2/NDF: 1110660.1/44

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 191.014+/-0.028 χ^2/NDF:2527847.6/37

Out: 185.869+/-0.027 χ^2/NDF:2829002.6/41

All: 188.352+/-0.019 χ^2/NDF: 5374314.6/79



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145260.594+/-0.050 χ^2/NDF:13028642365.4/22

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 145468.217+/-0.052 χ^2/NDF:11067689489.7/21

Left: 145361.497+/-0.036 χ^2/NDF: 24104583230.4

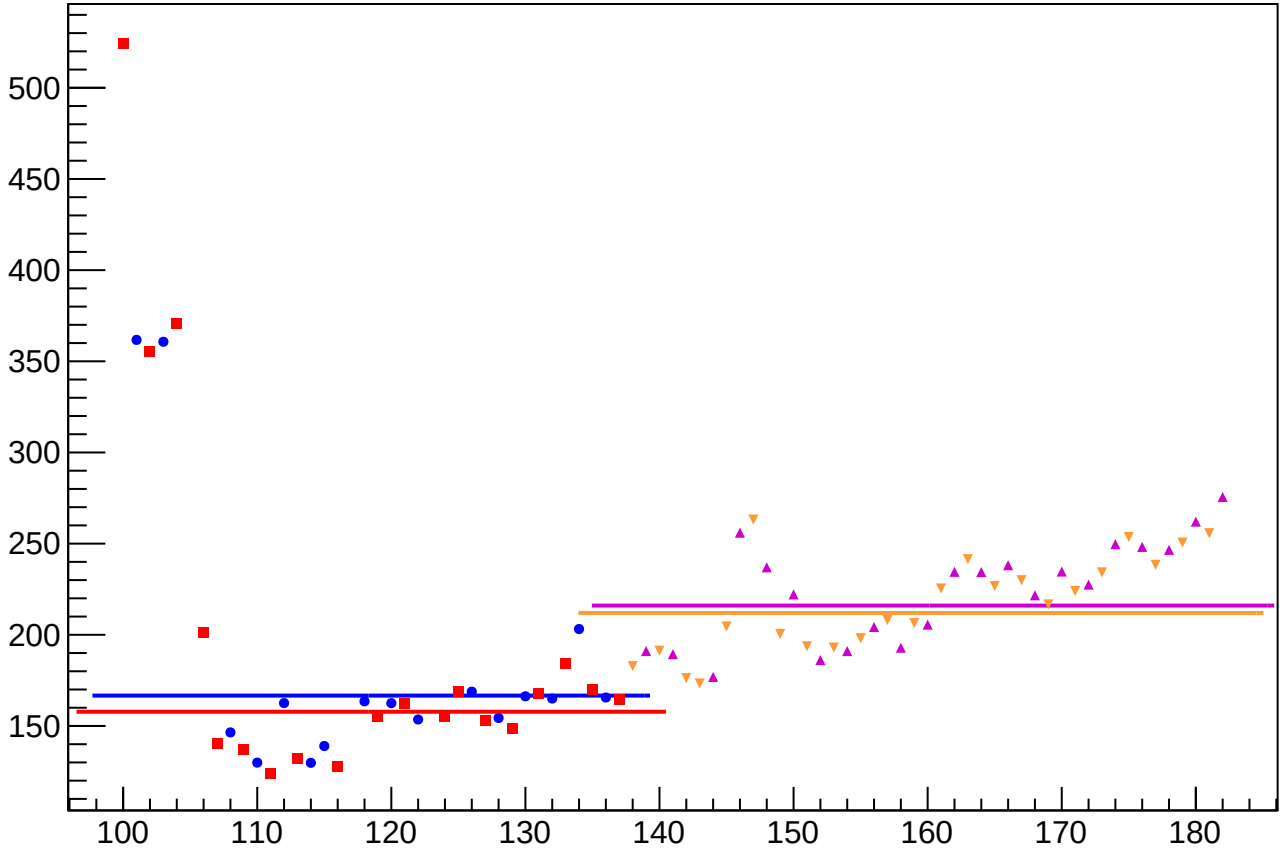
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144478.913+/-0.041 χ^2/NDF:12781075945.5/3

Out: 144326.725+/-0.039 χ^2/NDF:14671827510.5

All: 144399.577+/-0.028 χ^2/NDF: 27460198

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 212.010+/-0.036 χ^2/NDF:495461.0/22

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 216.027+/-0.037 χ^2/NDF:555552.7/21

Left: 213.962+/-0.026 χ^2/NDF: 1057193.1/44

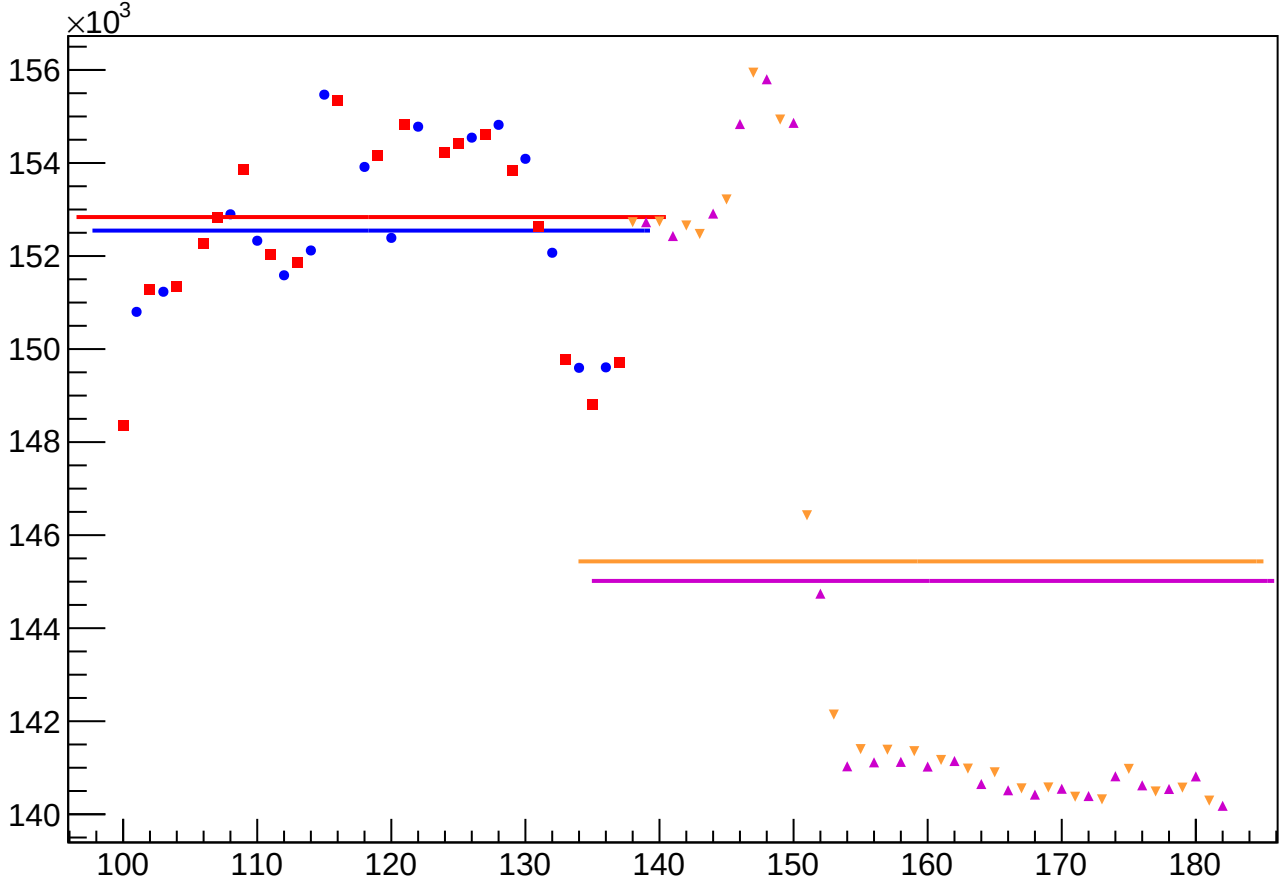
Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 197.087+/-0.029 χ^2/NDF:2115574.3/37

Out: 190.255+/-0.028 χ^2/NDF:2446608.5/41

All: 193.526+/-0.020 χ^2/NDF: 4591587.0/79

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145436.167+/-0.050 χ^2/NDF:13364156712.8/22

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145015.955+/-0.051 χ^2/NDF:13057896783.6/21

Left: 145231.234+/-0.036 χ^2/NDF: 26456225399.3

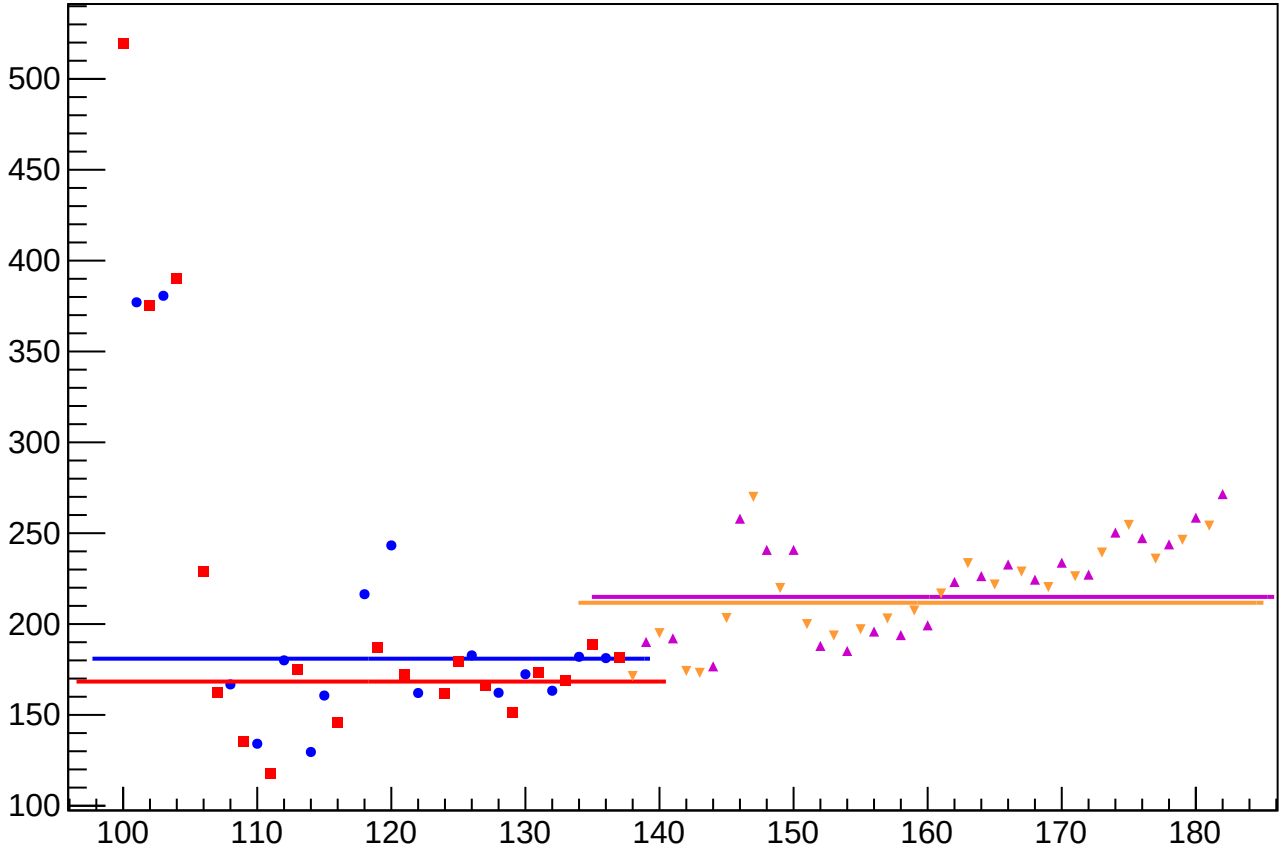
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0

In: 147533.113+/-0.042 χ^2/NDF:20873198637.6/3

Out: 148114.771+/-0.040 χ^2/NDF:21968457023.4

All: 147837.262+/-0.029 χ^2/NDF: 42942033

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 211.714+/-0.035 χ^2/NDF:526870.7/22

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 214.941+/-0.036 χ^2/NDF:572468.7/21

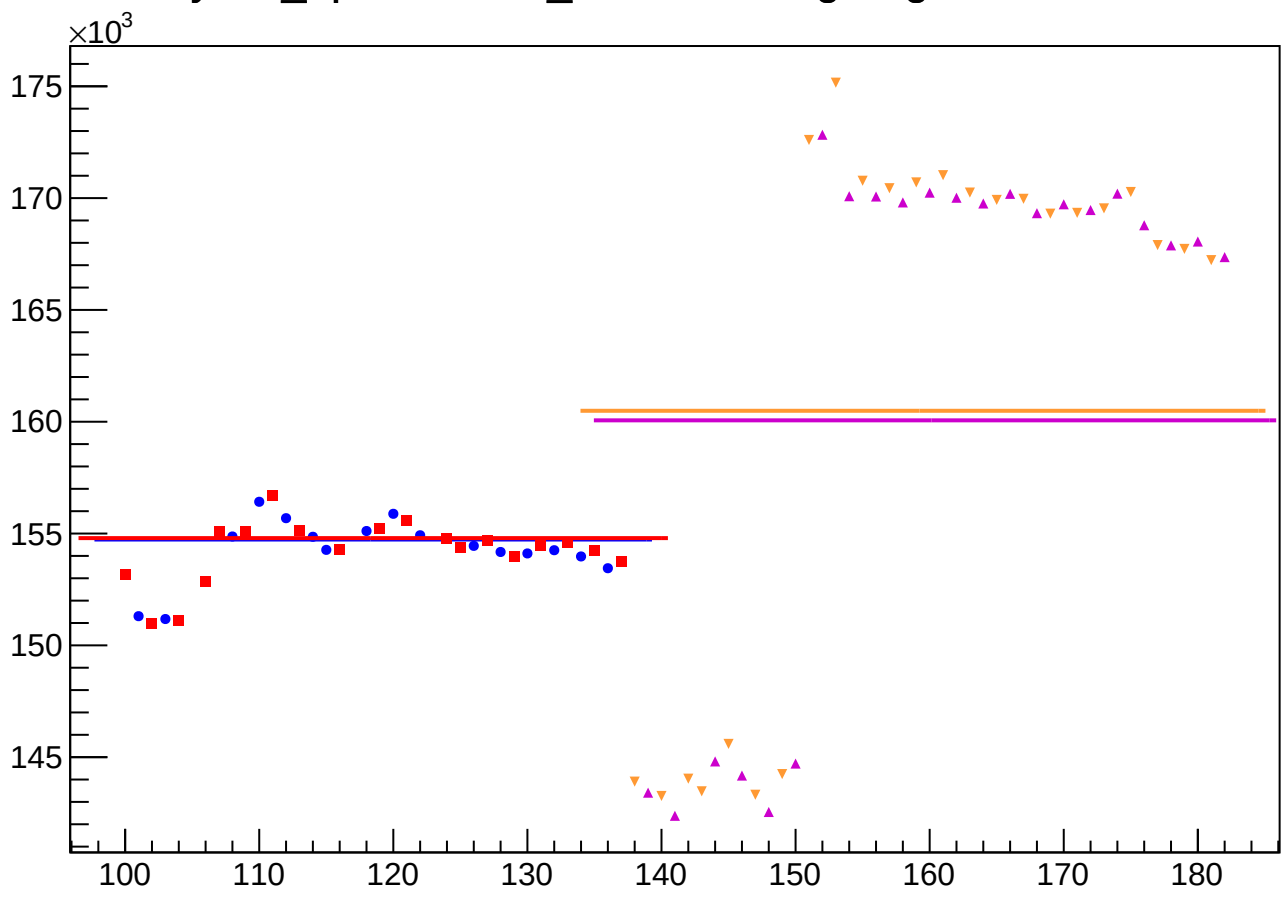
Left: 213.288+/-0.025 χ^2/NDF: 1103370.8/44

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 203.576+/-0.030 χ^2/NDF:1772180.1/37

Out: 196.021+/-0.028 χ^2/NDF:2156049.5/41

All: 199.625+/-0.021 χ^2/NDF: 3962102.2/79



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 160489.853+/-0.048 χ^2/NDF:73609659080.8/22

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 160062.096+/-0.050 χ^2/NDF:66398236149.2/21

Left: 160282.758+/-0.035 χ^2/NDF: 140046265812.

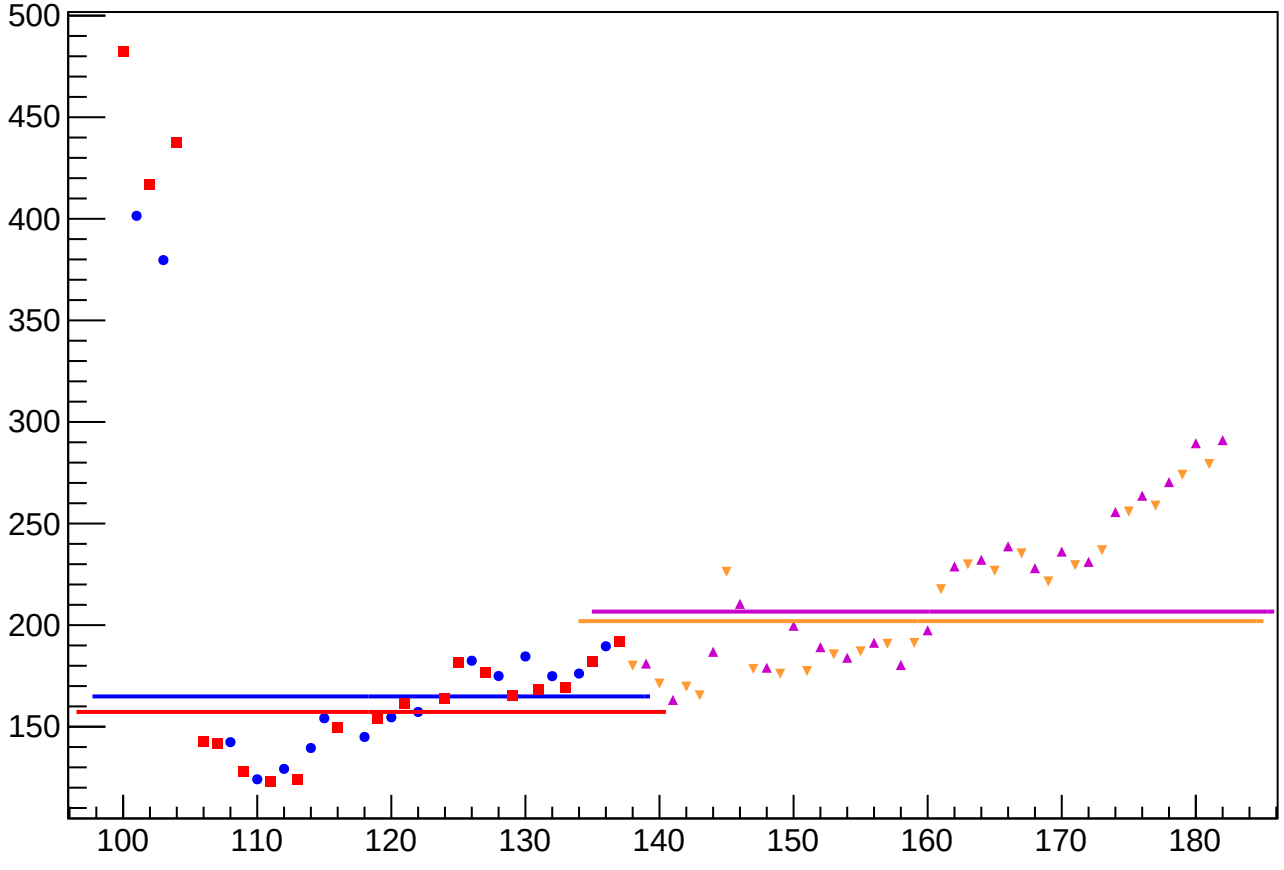
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 158108.565+/-0.039 χ^2/NDF:70904608904.9/3

Out: 158312.562+/-0.038 χ^2/NDF:79283629418.7

All: 158215.084+/-0.027 χ^2/NDF: 15020218

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 201.979+/-0.034 χ^2/NDF:874440.1/22

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 206.668+/-0.035 χ^2/NDF:907097.0/21

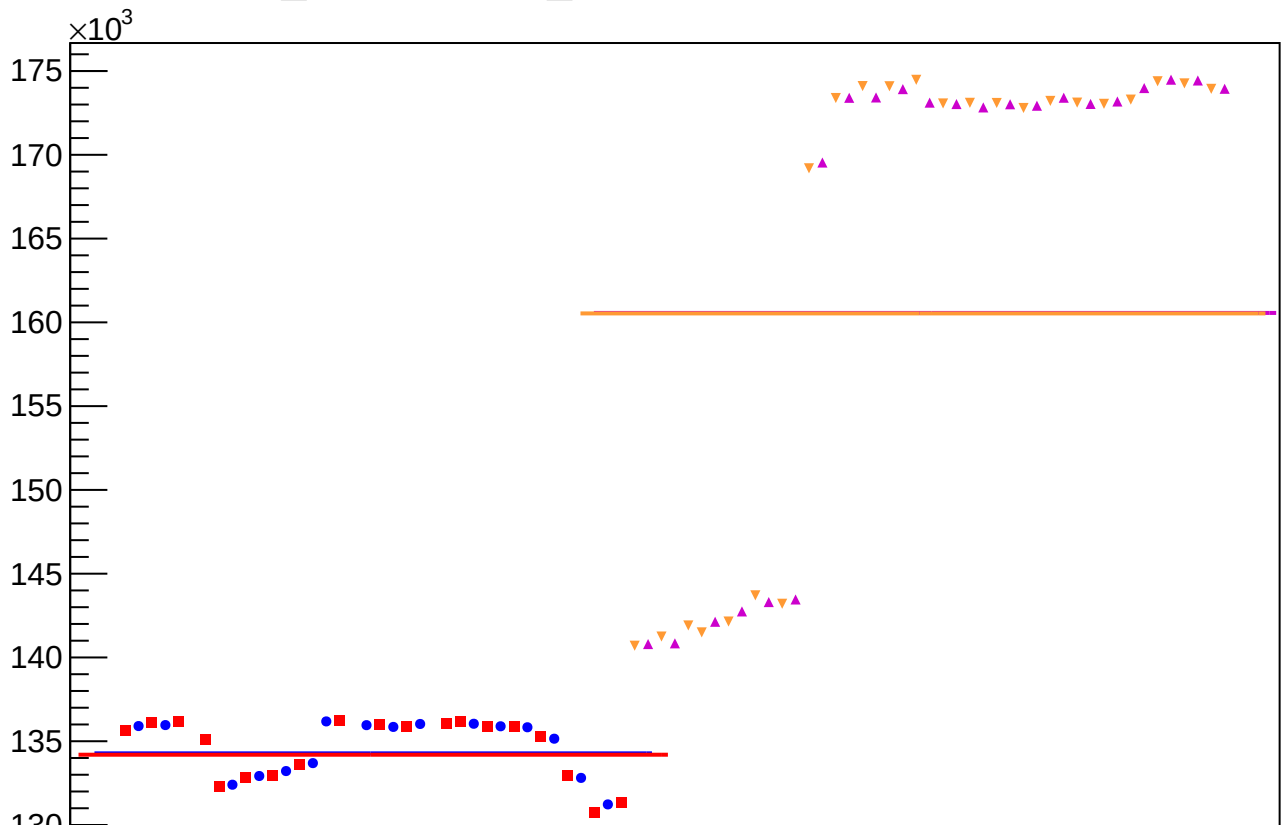
Left: 204.249+/-0.024 χ^2/NDF: 1790760.7/44

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 191.359+/-0.028 χ^2/NDF:2499636.4/37

Out: 184.888+/-0.027 χ^2/NDF:2791021.1/41

All: 187.980+/-0.019 χ^2/NDF: 5318723.9/79



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 160533.750+/-0.049 χ^2/NDF:97432822038.7/22

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 160562.477+/-0.051 χ^2/NDF:89691454295.4/21

Left: 160547.603+/-0.035 χ^2/NDF: 187124441993.

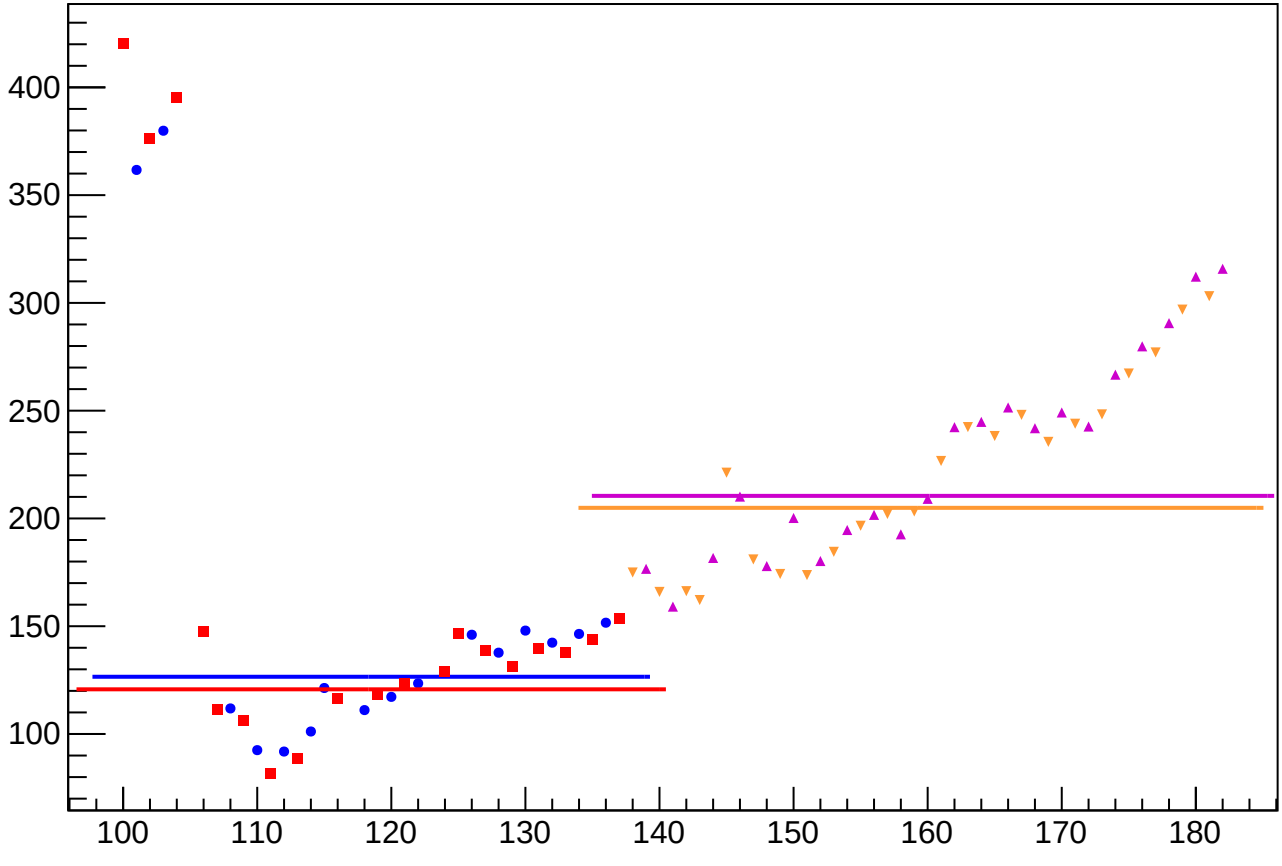
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 147429.009+/-0.036 χ^2/NDF:224676300790.3

Out: 147082.339+/-0.034 χ^2/NDF:246117021645.

All: 147247.574+/-0.025 χ^2/NDF: 47084205

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 204.924+/-0.035 χ^2/NDF:1231960.6/22

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 210.476+/-0.036 χ^2/NDF:1239674.6/21

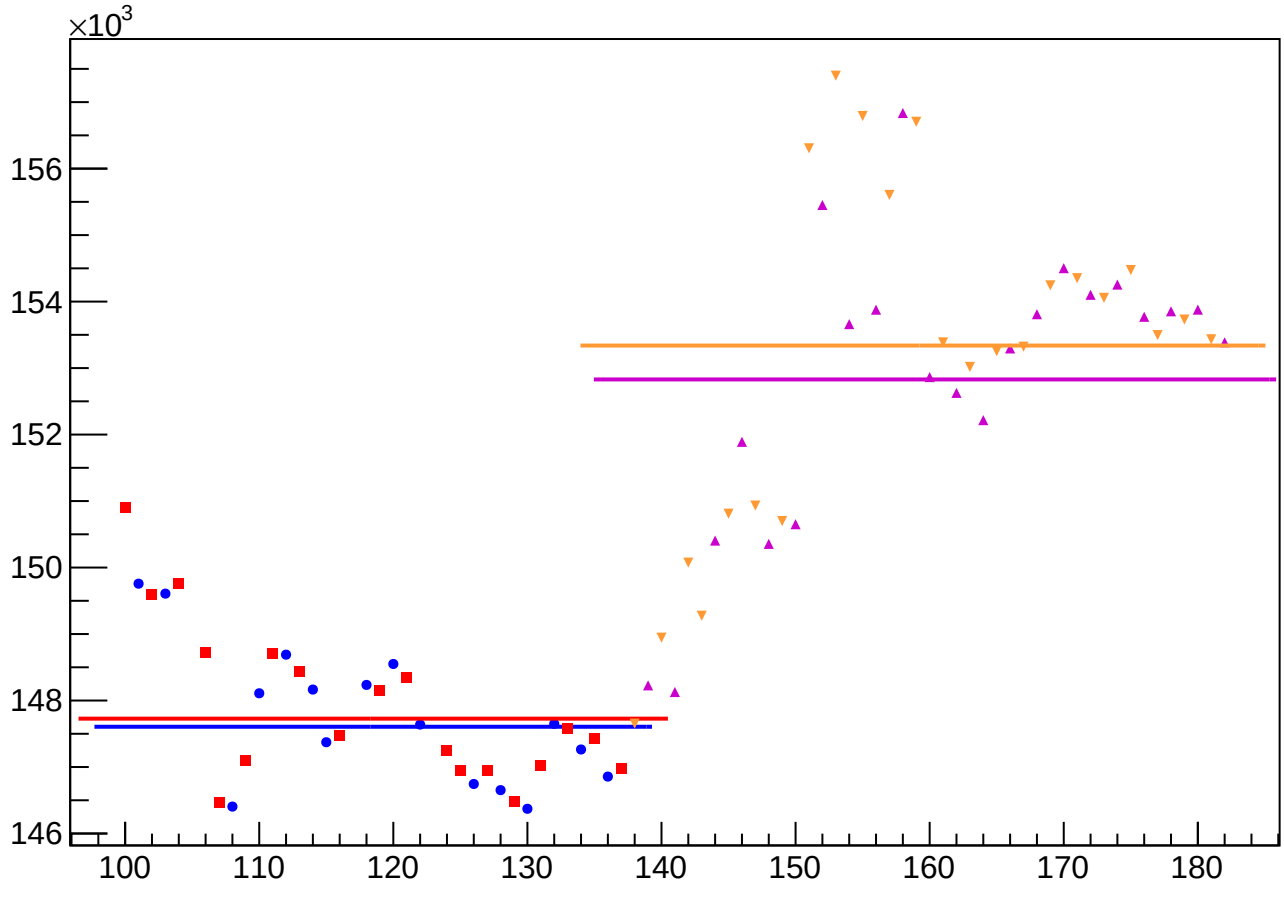
Left: 207.601+/-0.025 χ^2/NDF: 2484009.9/44

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 168.544+/-0.025 χ^2/NDF:5445722.0/37

Out: 161.921+/-0.024 χ^2/NDF:5879149.8/41

All: 165.078+/-0.018 χ^2/NDF: 11360445.3/79



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153338.983+/-0.052 χ^2/NDF:2978185422.9/22

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152829.123+/-0.053 χ^2/NDF:1914185052.8/21

Left: 153091.217+/-0.037 χ^2/NDF: 4939884339.4/4

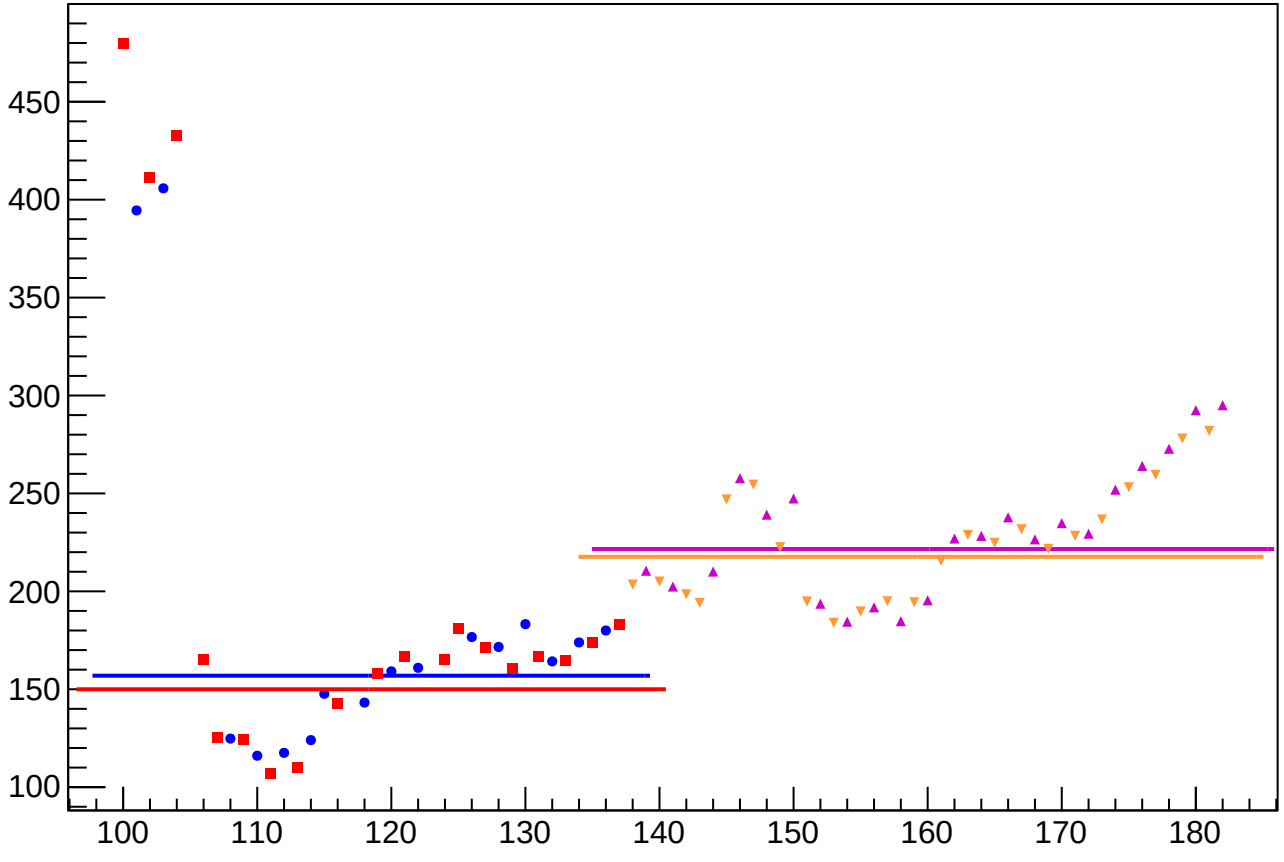
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 150641.496+/-0.040 χ^2/NDF:6177722952.6/37

Out: 150905.895+/-0.039 χ^2/NDF:8308180079.3/4

All: 150779.113+/-0.028 χ^2/NDF: 14508162

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 217.651+/-0.036 χ^2/NDF:524829.0/22

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 221.614+/-0.037 χ^2/NDF:658884.8/21

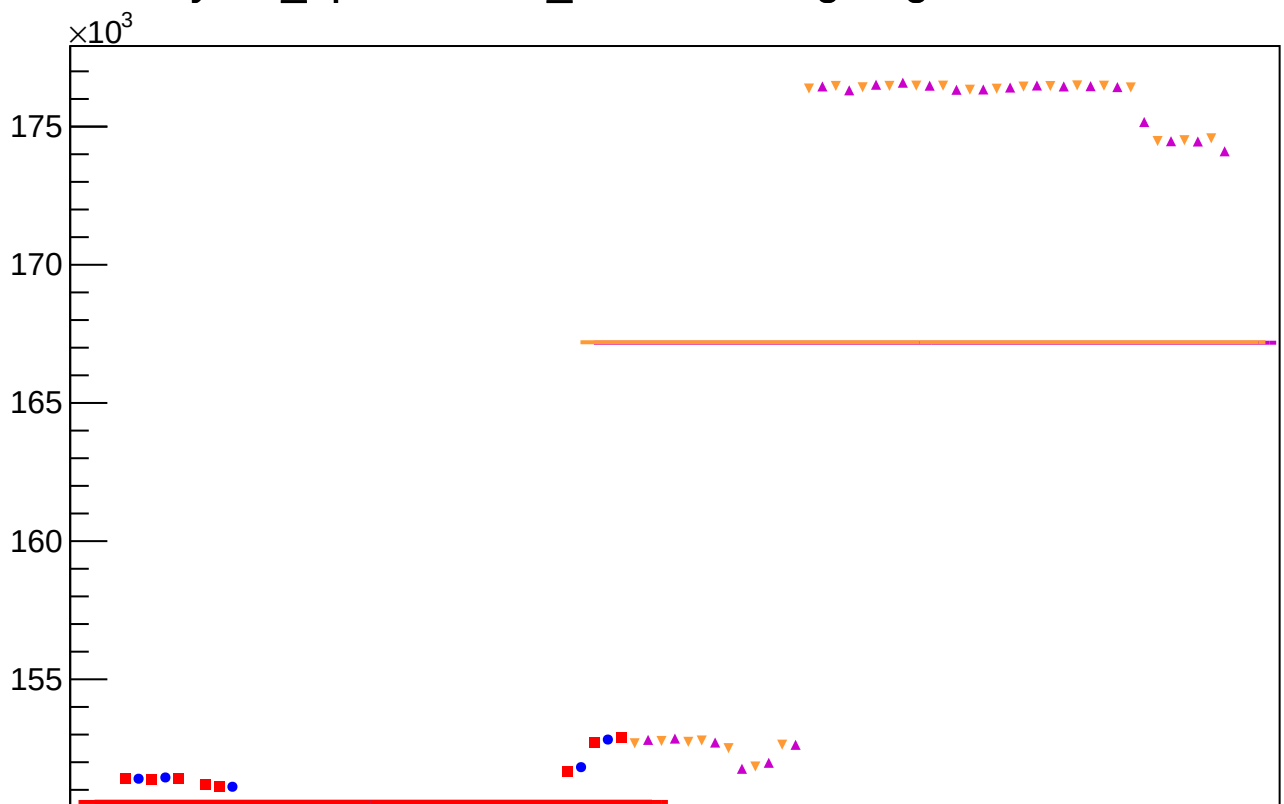
Left: 219.577+/-0.026 χ^2/NDF: 1189453.9/44

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 194.523+/-0.029 χ^2/NDF:3170830.8/37

Out: 188.315+/-0.027 χ^2/NDF:3471794.8/41

All: 191.292+/-0.020 χ^2/NDF: 6667166.4/79



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167196.494+/-0.047 χ^2/NDF:58983675928.2/22

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 167179.852+/-0.049 χ^2/NDF:54938476032.9/21

Left: 167188.469+/-0.034 χ^2/NDF: 113922211546.

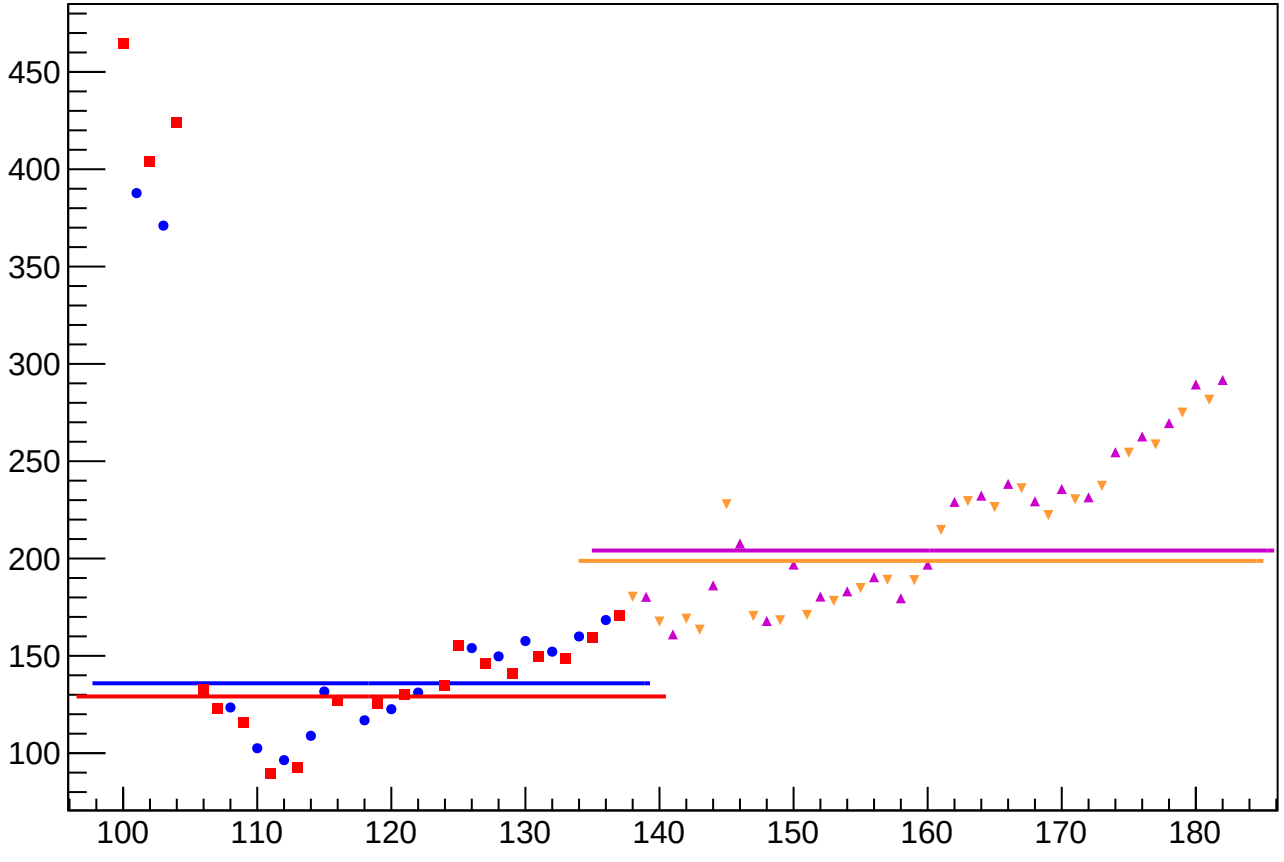
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159761.419+/-0.036 χ^2/NDF:106378506308.2

Out: 159493.350+/-0.035 χ^2/NDF:116345115769.

All: 159620.603+/-0.025 χ^2/NDF: 22275196

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 198.780+/-0.033 χ^2/NDF:1005607.1/22

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 204.109+/-0.035 χ^2/NDF:997162.7/21

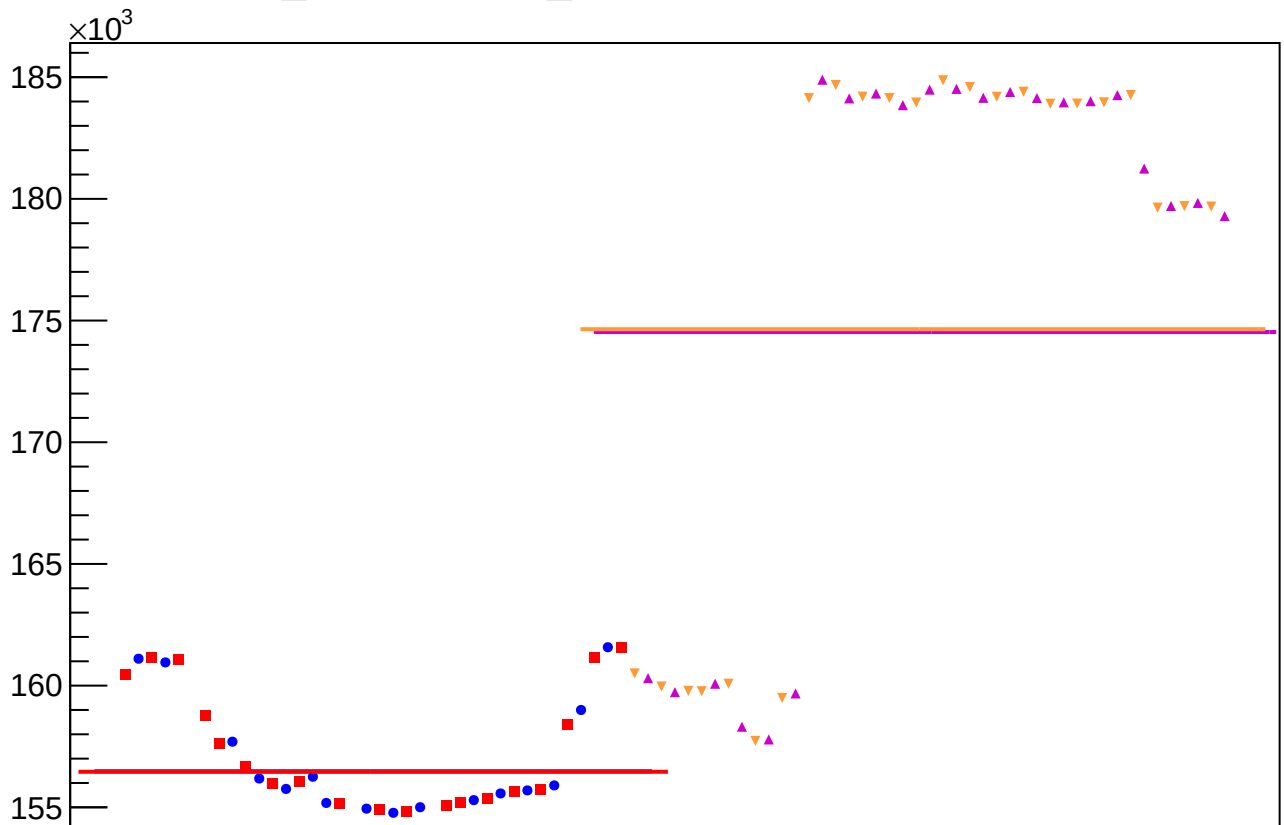
Left: 201.350+/-0.024 χ^2/NDF: 2014985.2/44

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 173.645+/-0.026 χ^2/NDF:4140321.6/37

Out: 166.527+/-0.025 χ^2/NDF:4624178.5/41

All: 169.906+/-0.018 χ^2/NDF: 8804466.7/79



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 174644.041+/-0.049 χ^2/NDF:57843878933.3/22

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 174529.829+/-0.051 χ^2/NDF:54678882565.5/21

Left: 174588.849+/-0.035 χ^2/NDF: 112525400706.

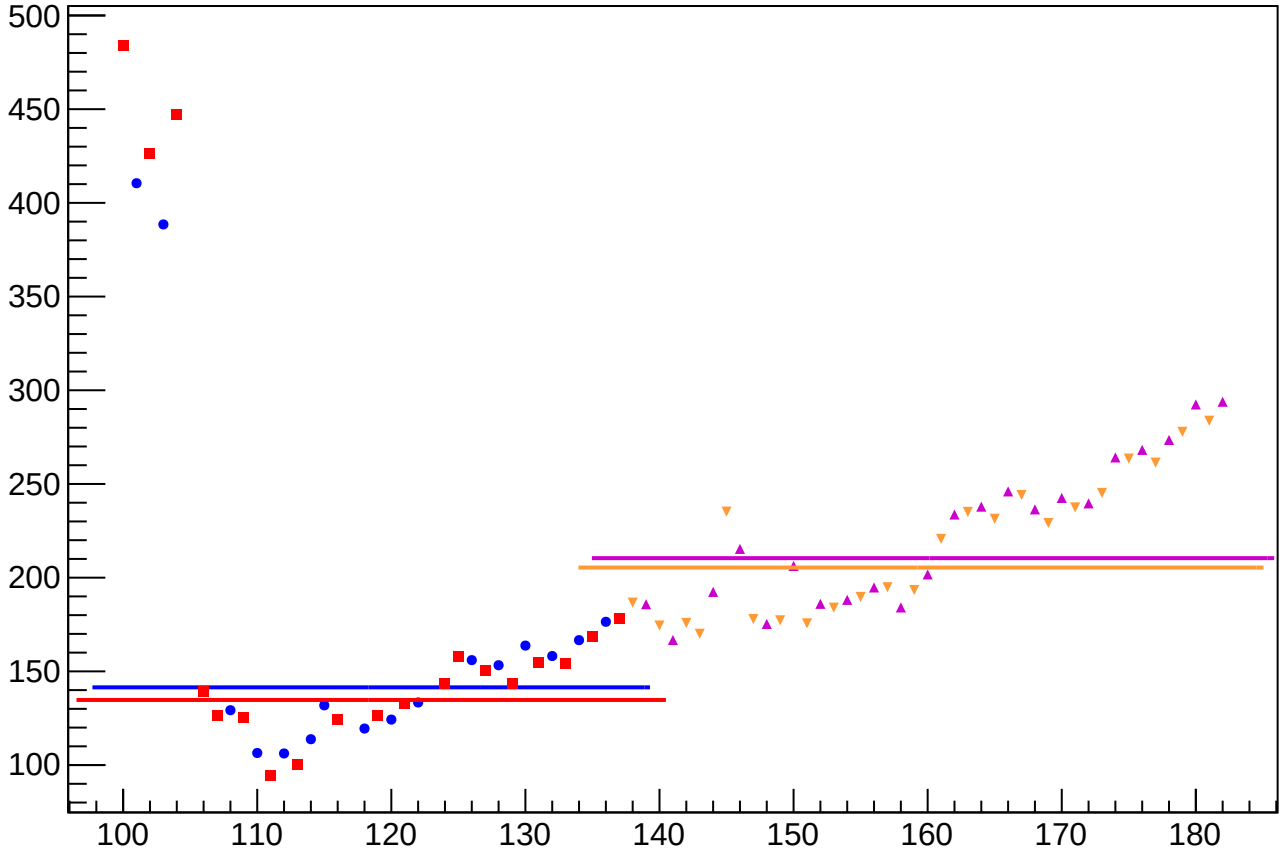
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6

In: 166555.819+/-0.038 χ^2/NDF:112326252827.2

Out: 166309.532+/-0.036 χ^2/NDF:122396965622.

All: 166426.690+/-0.026 χ^2/NDF: 234745522

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 205.391+/-0.035 χ^2/NDF:930944.2/22

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 210.418+/-0.036 χ^2/NDF:943702.1/21

Left: 207.820+/-0.025 χ^2/NDF: 1884875.0/44

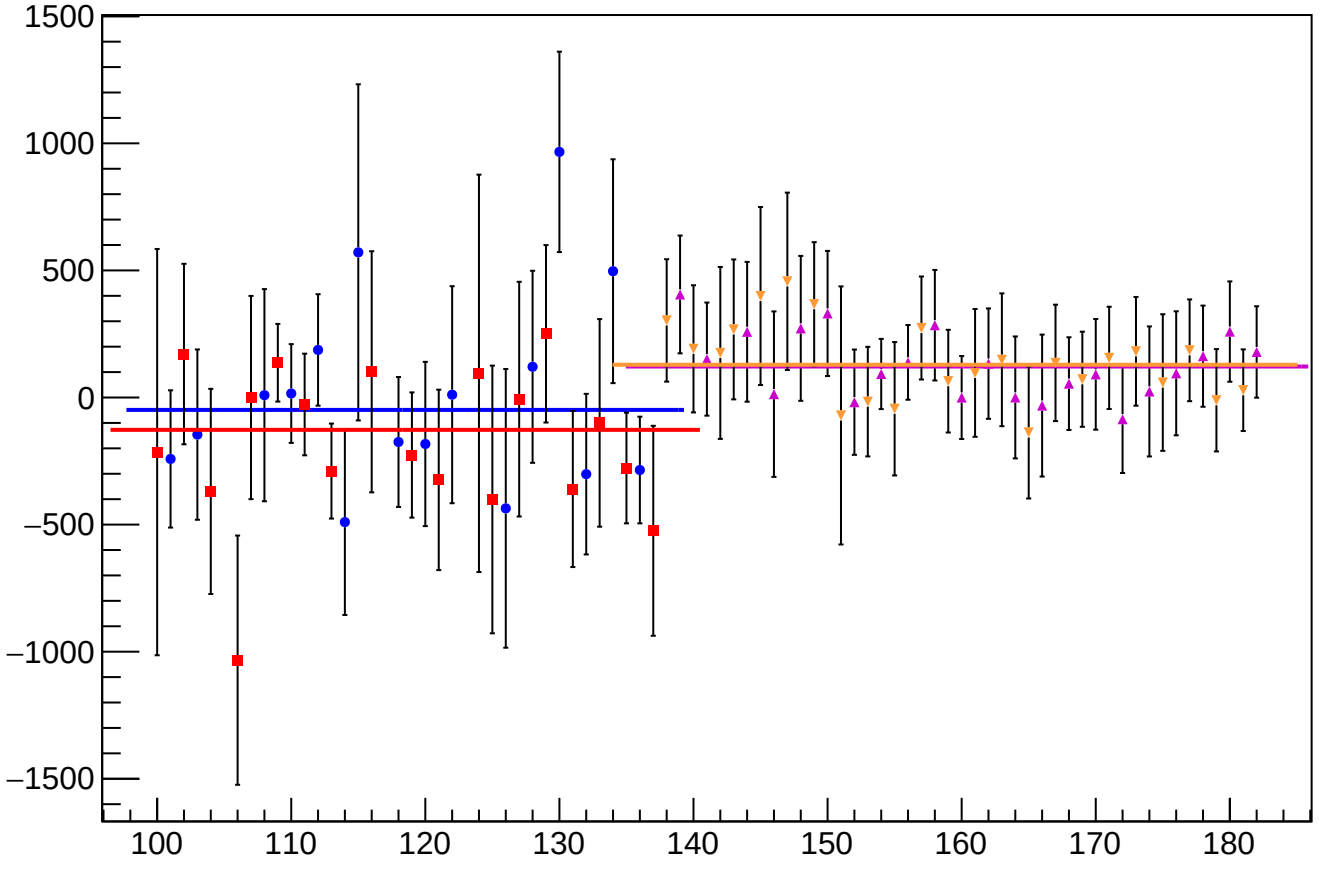
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 179.961+/-0.027 χ^2/NDF:3980018.9/37

Out: 173.010+/-0.025 χ^2/NDF:4425492.1/41

All: 176.317+/-0.018 χ^2/NDF: 8441046.9/79

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 128.836+/-48.862 χ^2/NDF:7.2/22

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 121.887+/-44.282 χ^2/NDF:7.0/21

Left: 125.021+/-32.812 χ^2/NDF: 14.2/44

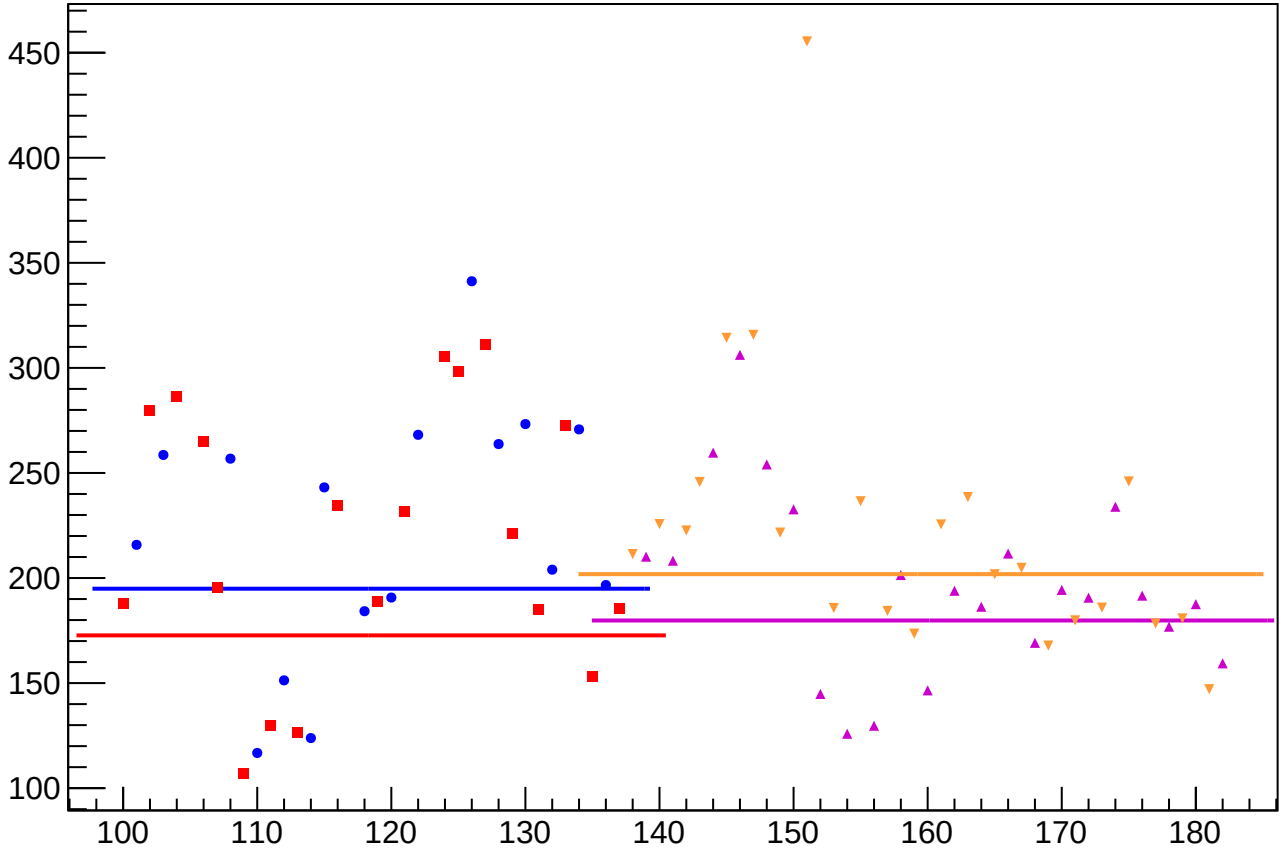
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 79.139+/-38.336 χ^2/NDF:26.1/37

Out: 42.487+/-39.780 χ^2/NDF:29.3/41

All: 61.490+/-27.604 χ^2/NDF: 55.9/79

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 201.847+/-0.035 χ^2/NDF:1605376.2/22

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 179.793+/-0.031 χ^2/NDF:1643005.6/21

Left: 189.738+/-0.023 χ^2/NDF: 3472068.1/44

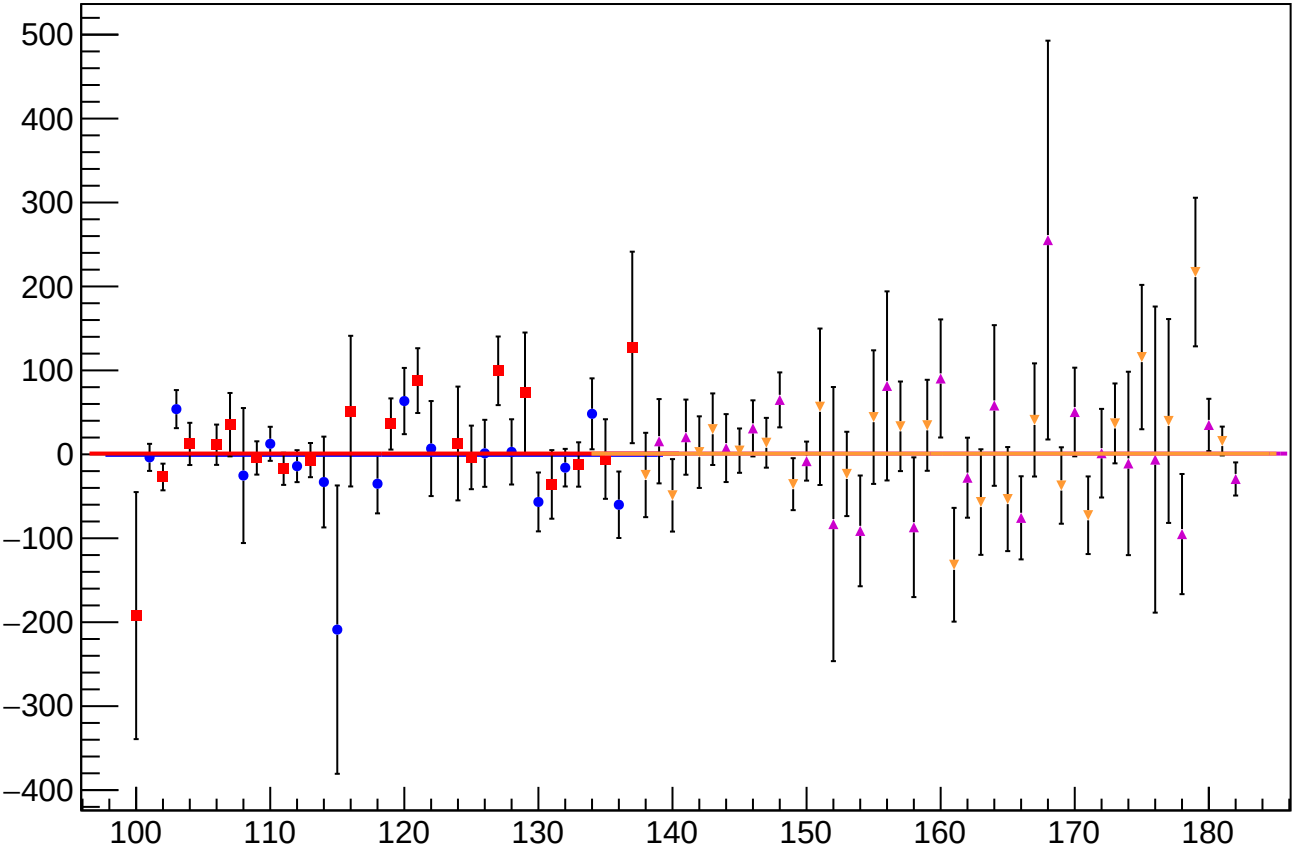
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.584+/-0.027 χ^2/NDF:2730392.7/37

Out: 192.020+/-0.028 χ^2/NDF:3476622.0/41

All: 187.646+/-0.020 χ^2/NDF: 6253651.7/79

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: 0.833+/-8.748 χ^2/NDF:23.5/22

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 0.860+/-9.335 χ^2/NDF:21.0/21

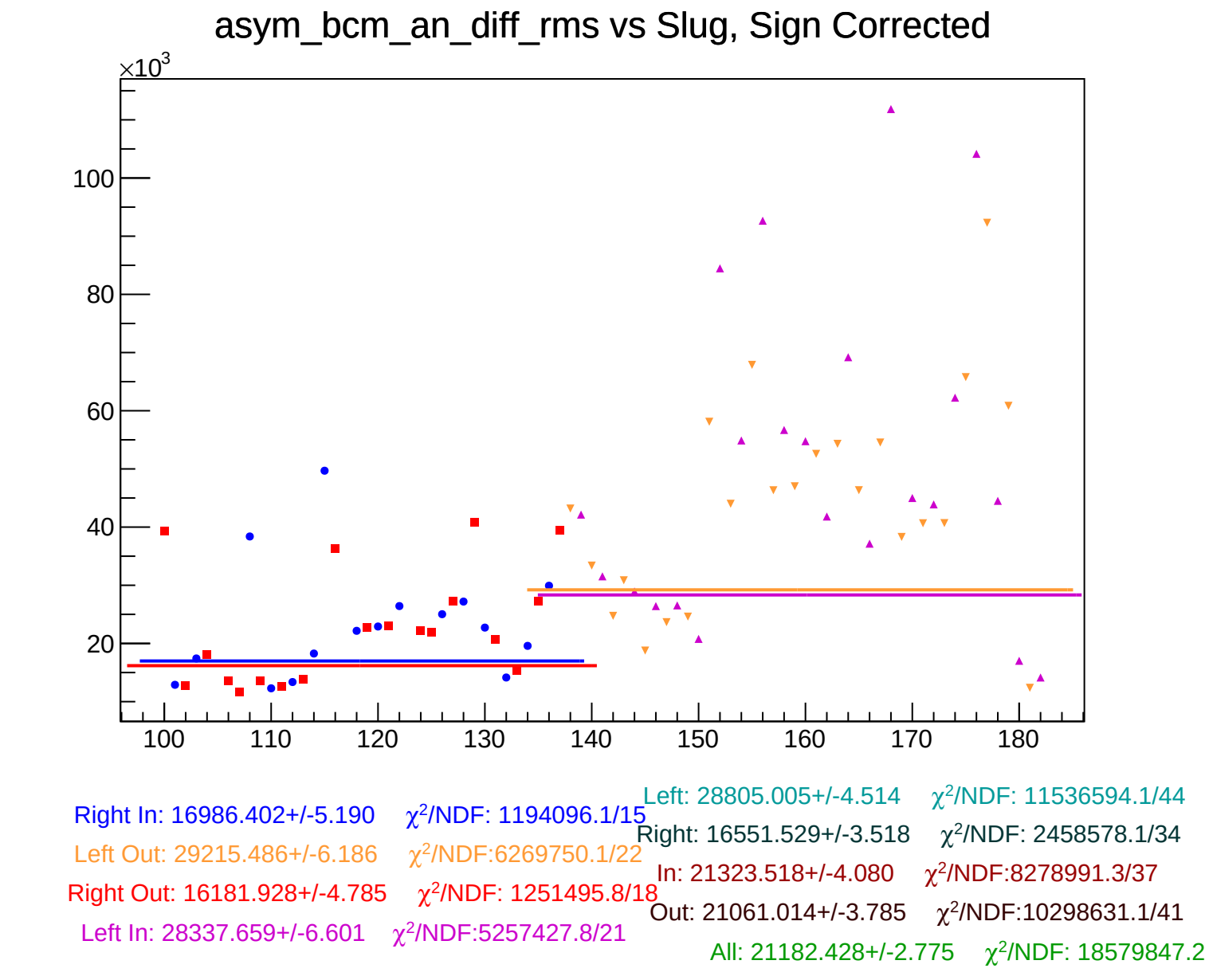
Left: 0.846+/-6.383 χ^2/NDF: 44.5/44

Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

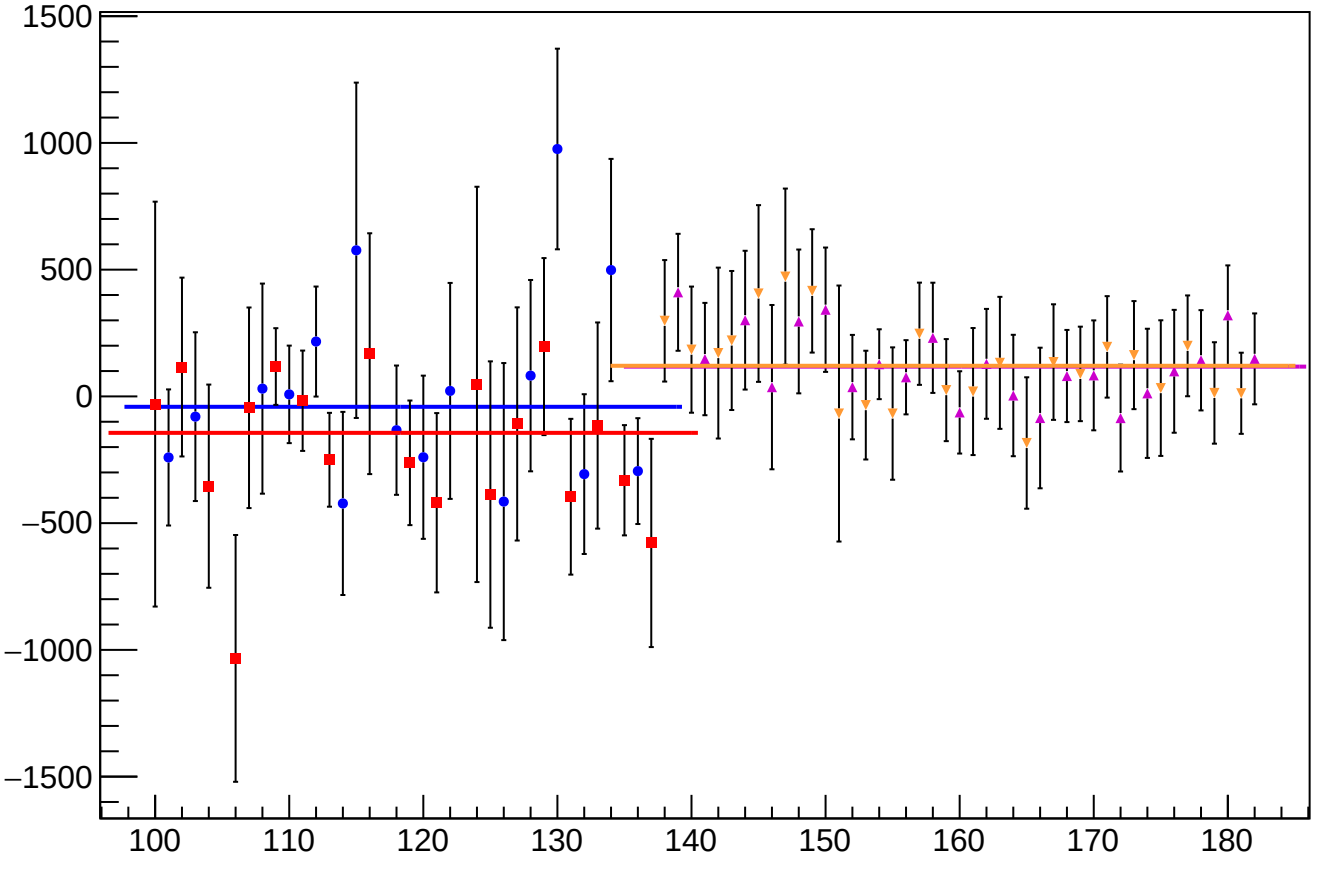
In: -0.057+/-5.770 χ^2/NDF:39.9/37

Out: 0.899+/-5.353 χ^2/NDF:46.5/41

All: 0.457+/-3.924 χ^2/NDF: 86.5/79


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
110
120
130
140
150
160
170
180
Right In: 16986.402+/-5.190 χ²/NDF: 1194096.1/15
Left Out: 29215.486+/-6.186 χ²/NDF:6269750.1/22
Right Out: 16181.928+/-4.785 χ²/NDF: 1251495.8/18
Left In: 28337.659+/-6.601 χ²/NDF:5257427.8/21
Left: 28805.005+/-4.514 χ²/NDF: 11536594.1/44
Right: 16551.529+/-3.518 χ²/NDF: 2458578.1/34
In: 21323.518+/-4.080 χ²/NDF:8278991.3/37
Out: 21061.014+/-3.785 χ²/NDF:10298631.1/41
All: 21182.428+/-2.775 χ²/NDF: 18579847.2

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 120.813+/-48.652 χ^2/NDF:8.5/22

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 117.460+/-44.121 χ^2/NDF:8.2/21

Left: 118.973+/-32.683 χ^2/NDF: 16.7/44

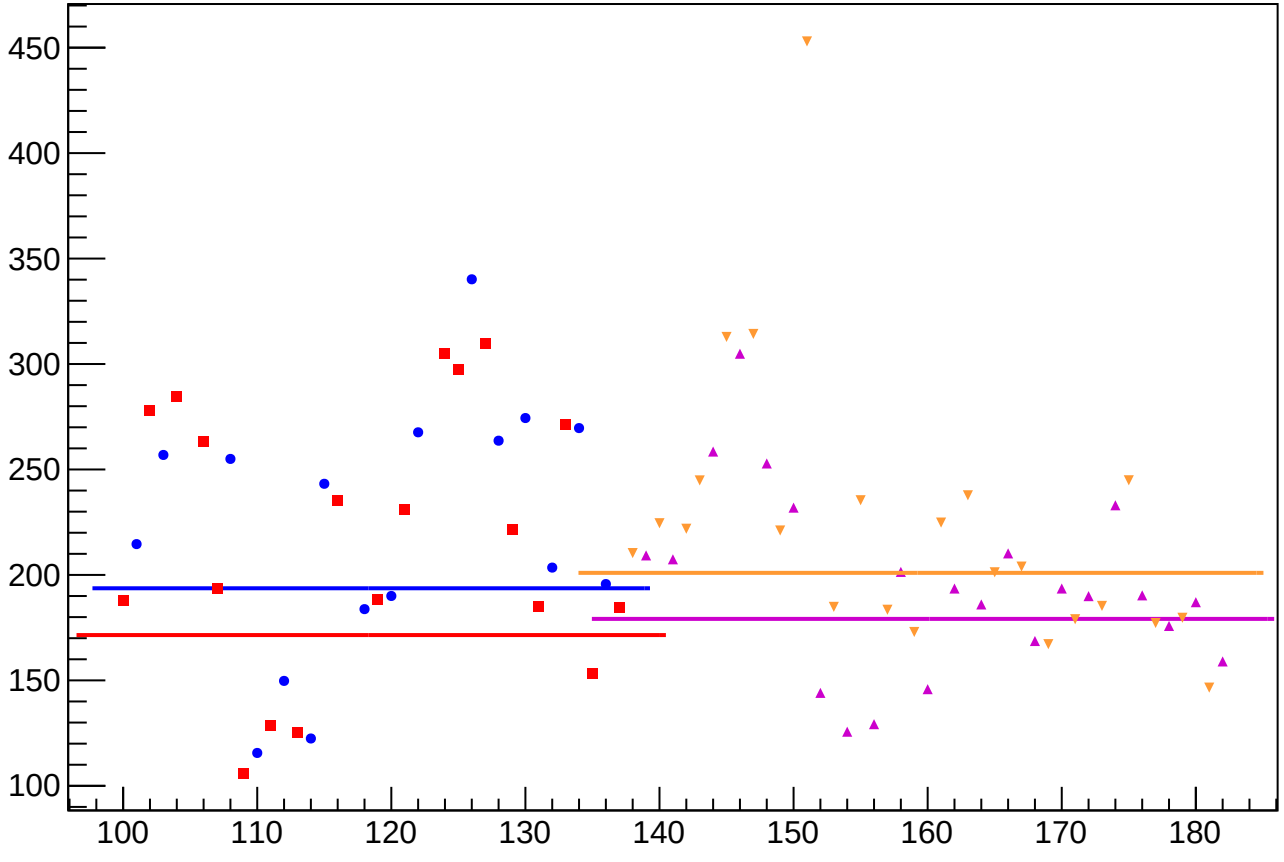
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 77.627+/-38.177 χ^2/NDF:26.9/37

Out: 31.354+/-39.583 χ^2/NDF:31.5/41

All: 55.327+/-27.479 χ^2/NDF: 59.1/79

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 200.984+/-0.034 χ^2/NDF:1605104.9/22

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 179.154+/-0.031 χ^2/NDF:1638970.1/21

Left: 189.005+/-0.023 χ^2/NDF: 3465030.3/44

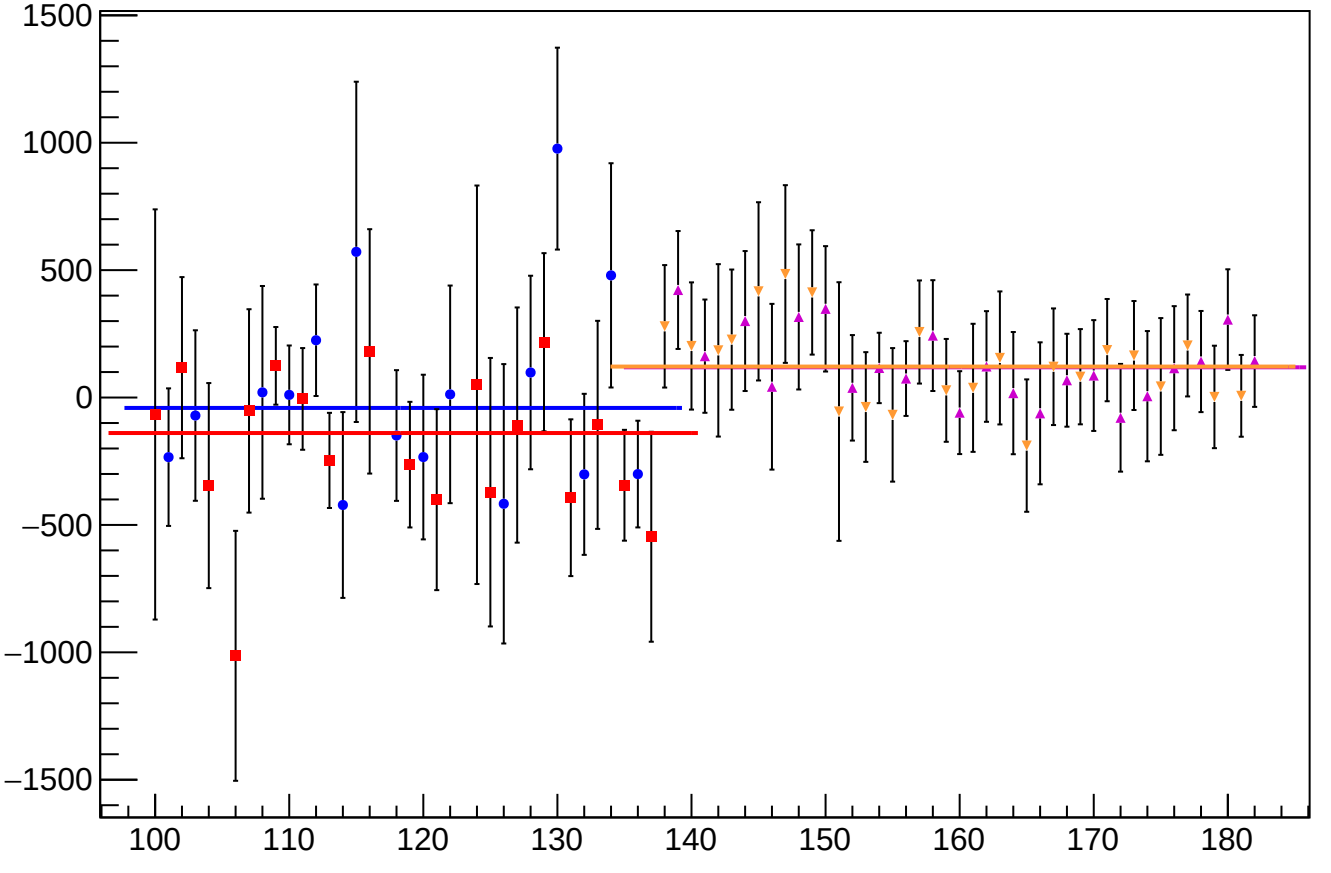
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 182.802+/-0.027 χ^2/NDF:2743149.6/37

Out: 191.011+/-0.028 χ^2/NDF:3506674.4/41

All: 186.758+/-0.019 χ^2/NDF: 6294396.4/79

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 121.501+/-48.815 χ^2/NDF:8.7/22

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 118.640+/-44.243 χ^2/NDF:8.1/21

Left: 119.930+/-32.782 χ^2/NDF: 16.7/44

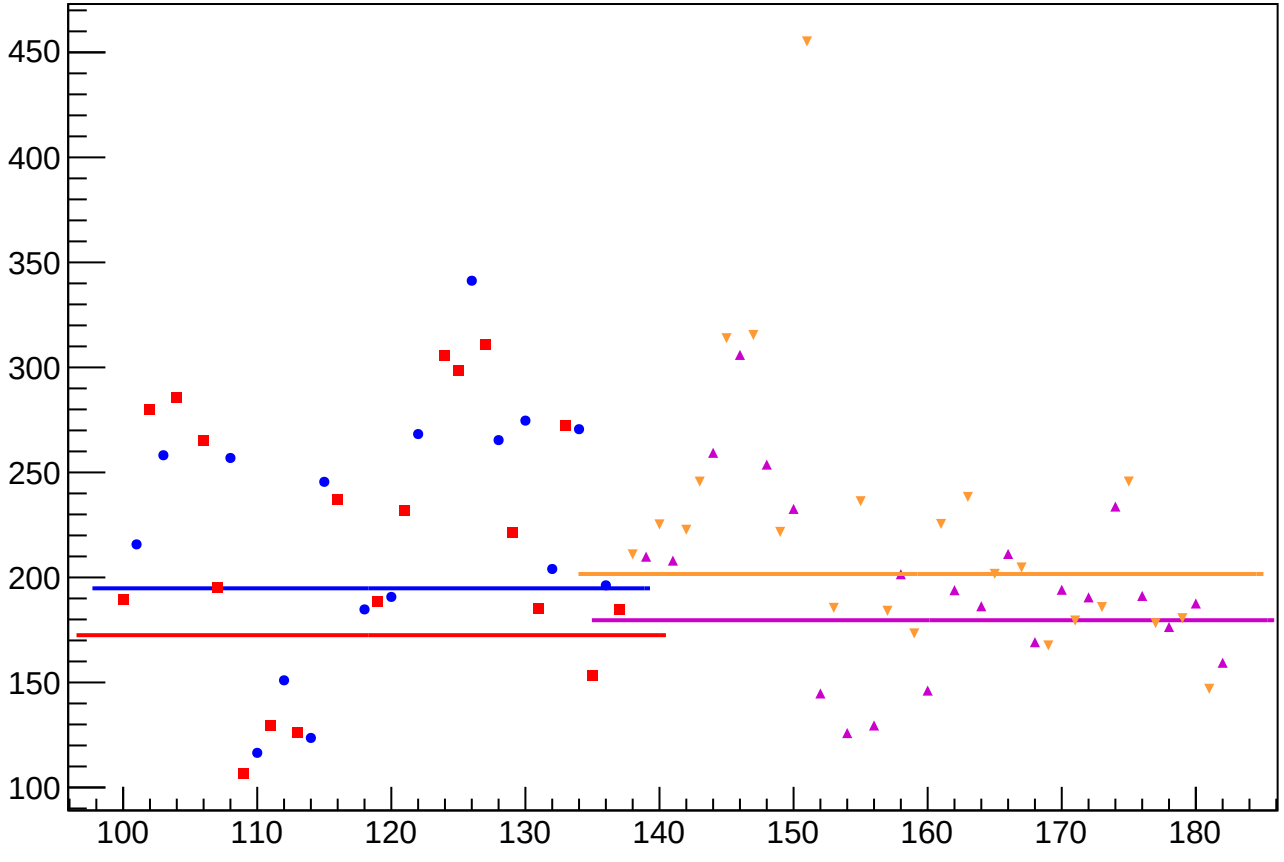
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 78.740+/-38.309 χ^2/NDF:26.7/37

Out: 33.598+/-39.745 χ^2/NDF:31.2/41

All: 56.999+/-27.582 χ^2/NDF: 58.5/79

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 201.647+/-0.035 χ^2/NDF:1606380.8/22

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 179.634+/-0.031 χ^2/NDF:1643020.7/21

Left: 189.562+/-0.023 χ^2/NDF: 3472689.7/44

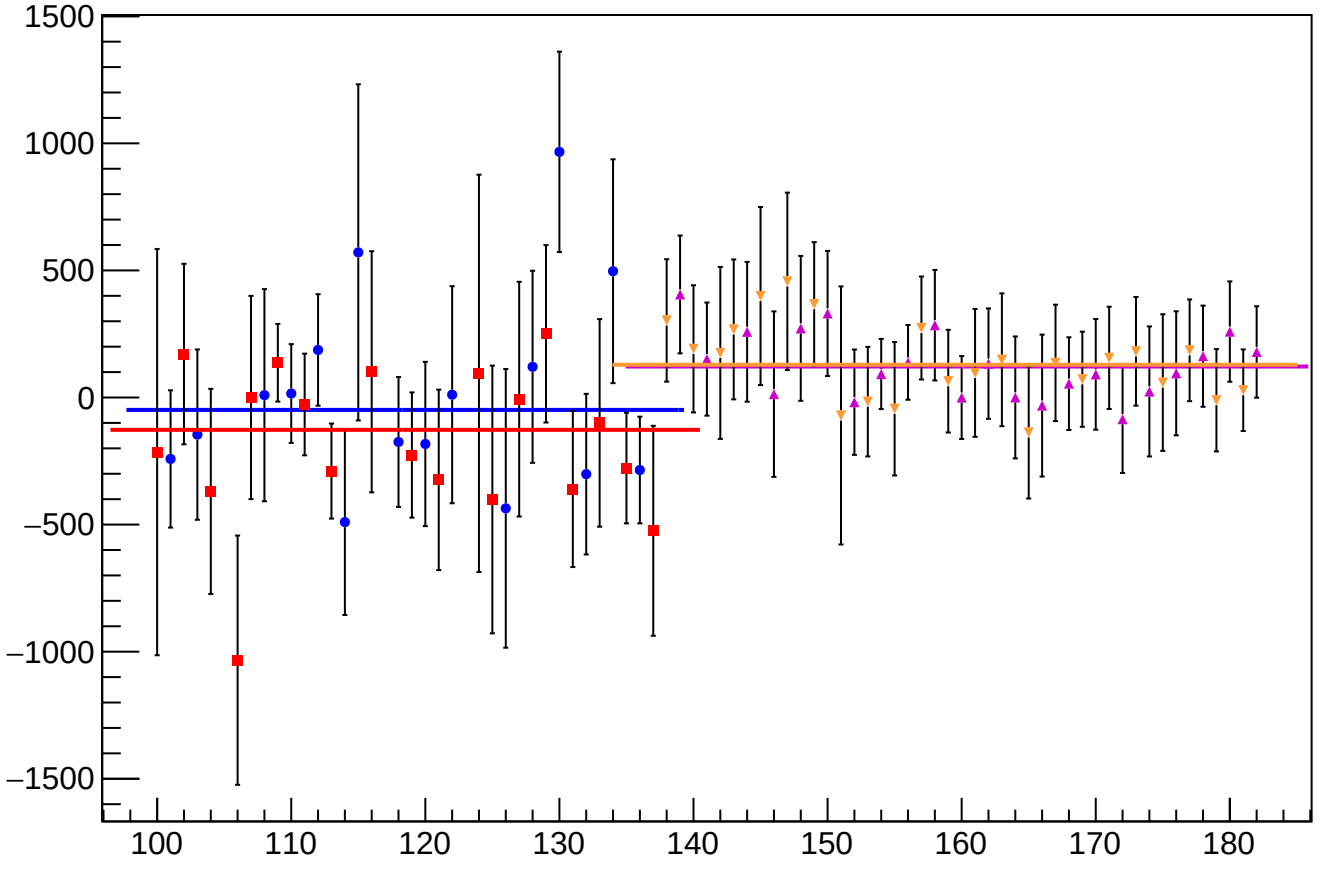
Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 183.434+/-0.027 χ^2/NDF:2741081.3/37

Out: 191.825+/-0.028 χ^2/NDF:3488667.6/41

All: 187.475+/-0.020 χ^2/NDF: 6275956.4/79

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 128.836+/-48.862 χ^2/NDF:7.2/22

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 121.887+/-44.282 χ^2/NDF:7.0/21

Left: 125.021+/-32.812 χ^2/NDF: 14.2/44

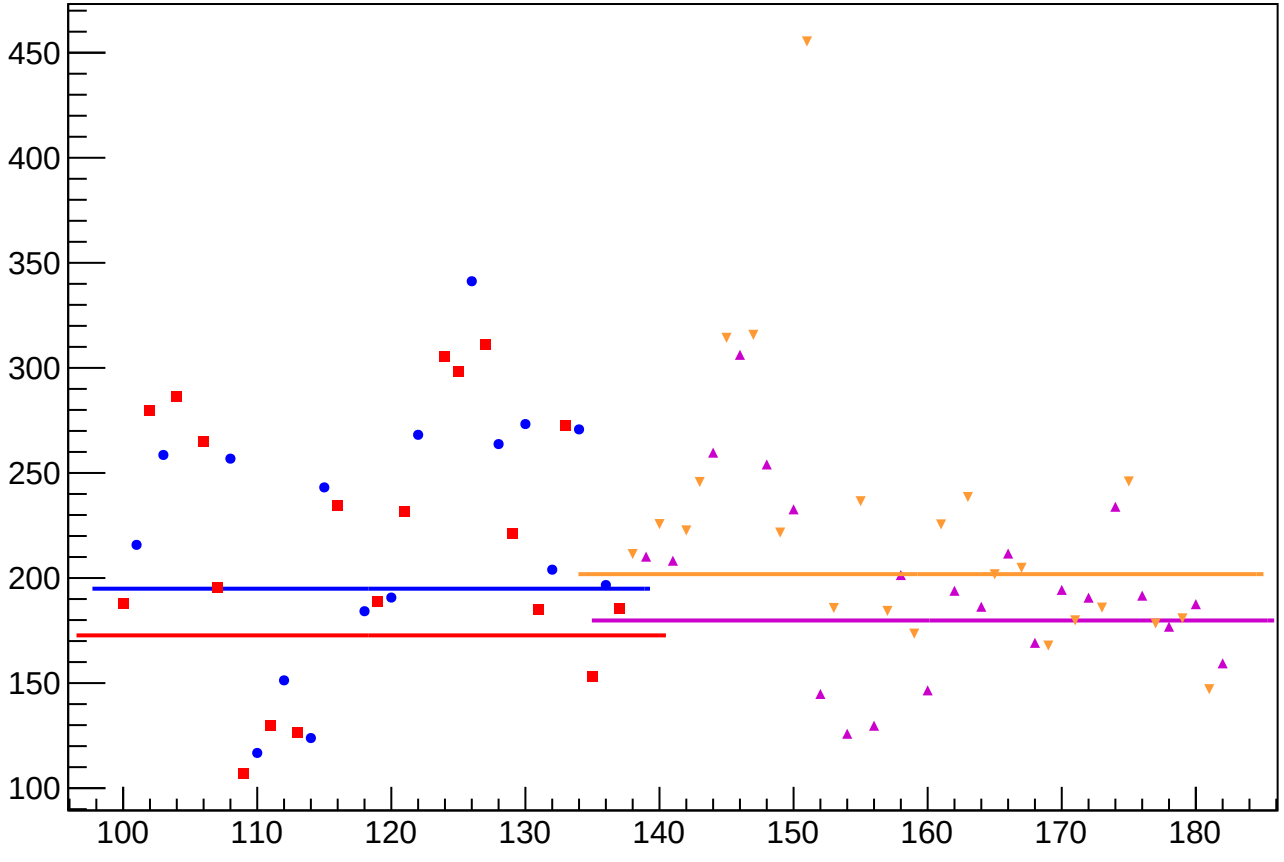
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 79.139+/-38.336 χ^2/NDF:26.1/37

Out: 42.487+/-39.780 χ^2/NDF:29.3/41

All: 61.490+/-27.604 χ^2/NDF: 55.9/79

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 201.847+/-0.035 χ^2/NDF:1605376.2/22

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 179.793+/-0.031 χ^2/NDF:1643005.6/21

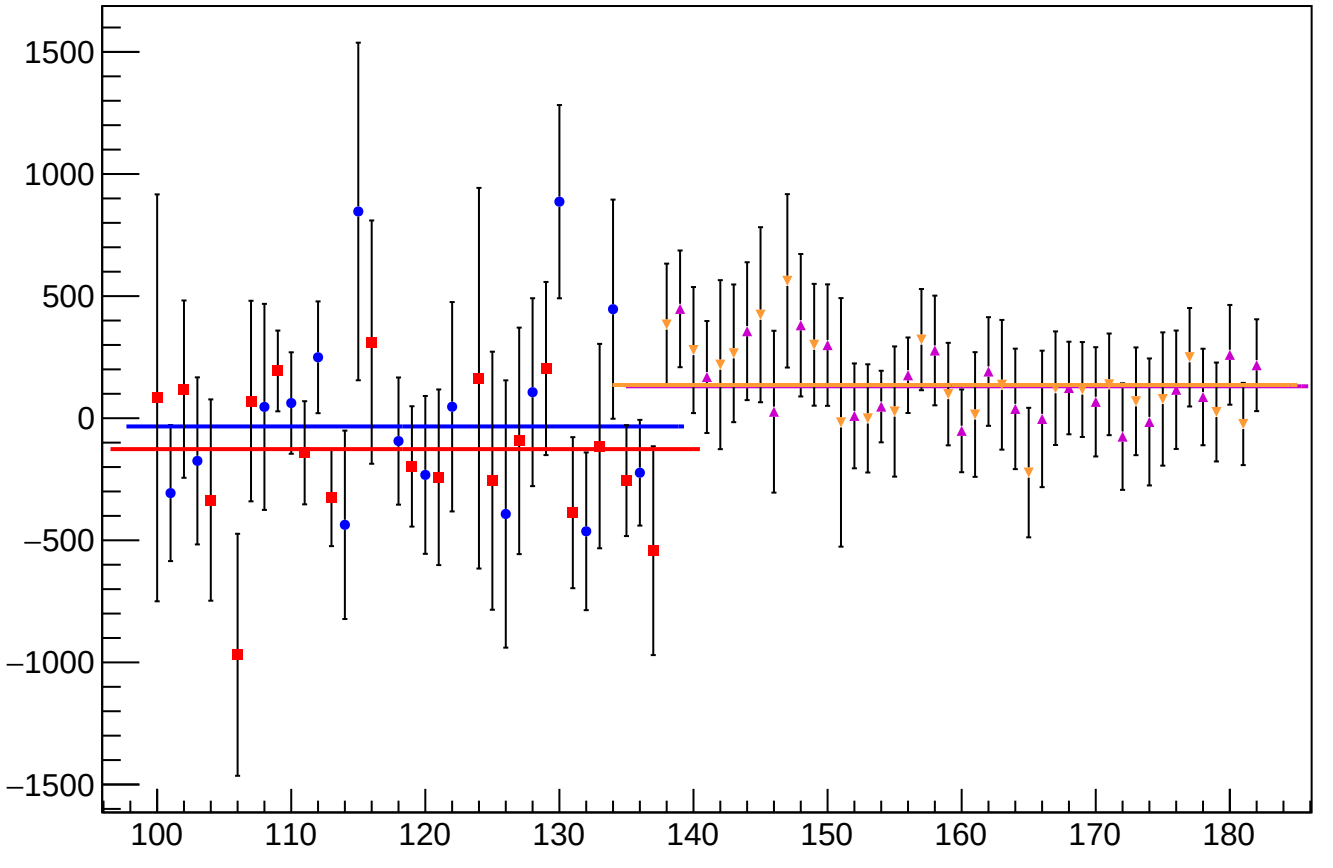
Left: 189.738+/-0.023 χ^2/NDF: 3472068.1/44

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.584+/-0.027 χ^2/NDF:2730392.7/37

Out: 192.020+/-0.028 χ^2/NDF:3476622.0/41

All: 187.646+/-0.020 χ^2/NDF: 6253651.7/79



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 136.034+/-50.120 χ^2/NDF:9.3/22

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 130.708+/-45.709 χ^2/NDF:8.4/21

Left: 133.127+/-33.773 χ^2/NDF: 17.7/44

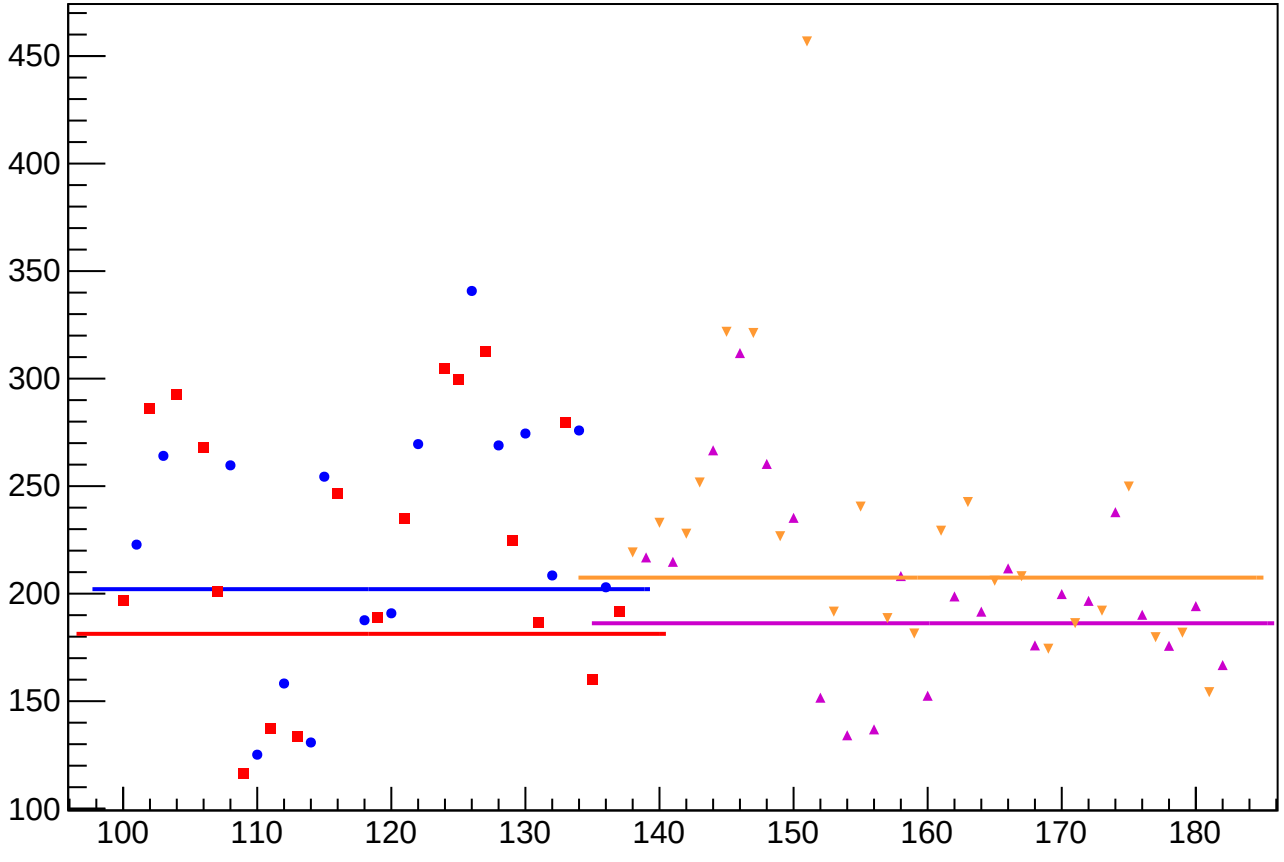
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 89.462+/-39.563 χ^2/NDF:27.4/37

Out: 49.204+/-41.005 χ^2/NDF:31.0/41

All: 70.053+/-28.472 χ^2/NDF: 58.9/79

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 207.463+/-0.035 χ^2/NDF:1525085.8/22

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 186.231+/-0.032 χ^2/NDF:1478010.7/21

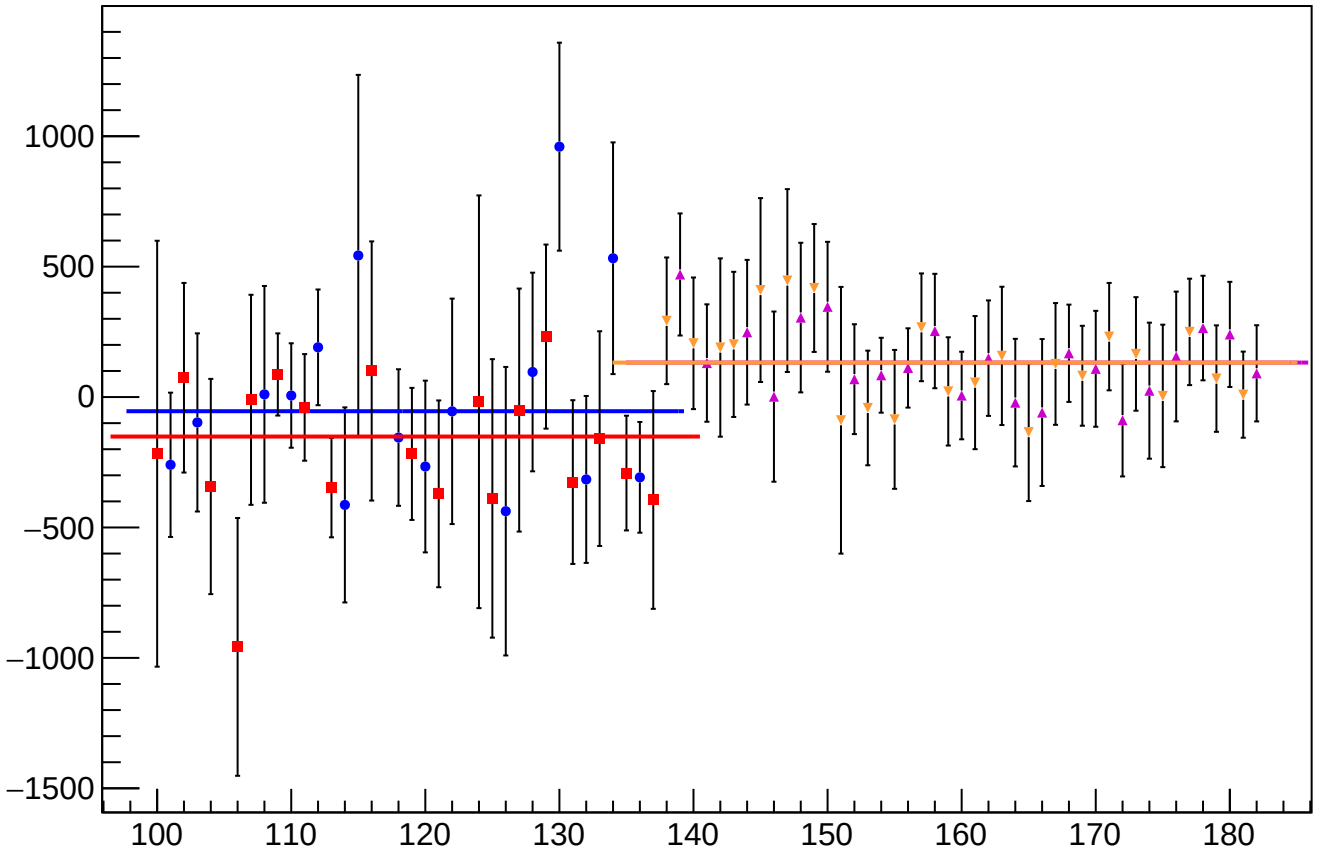
Left: 195.872+/-0.024 χ^2/NDF: 3199036.9/44

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 190.209+/-0.028 χ^2/NDF:2448657.8/37

Out: 198.816+/-0.029 χ^2/NDF:3146112.3/41

All: 194.359+/-0.020 χ^2/NDF: 5640404.8/79



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 132.134+/-49.715 χ^2/NDF:8.2/22

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 132.252+/-45.209 χ^2/NDF:7.5/21

Left: 132.199+/-33.447 χ^2/NDF: 15.8/44

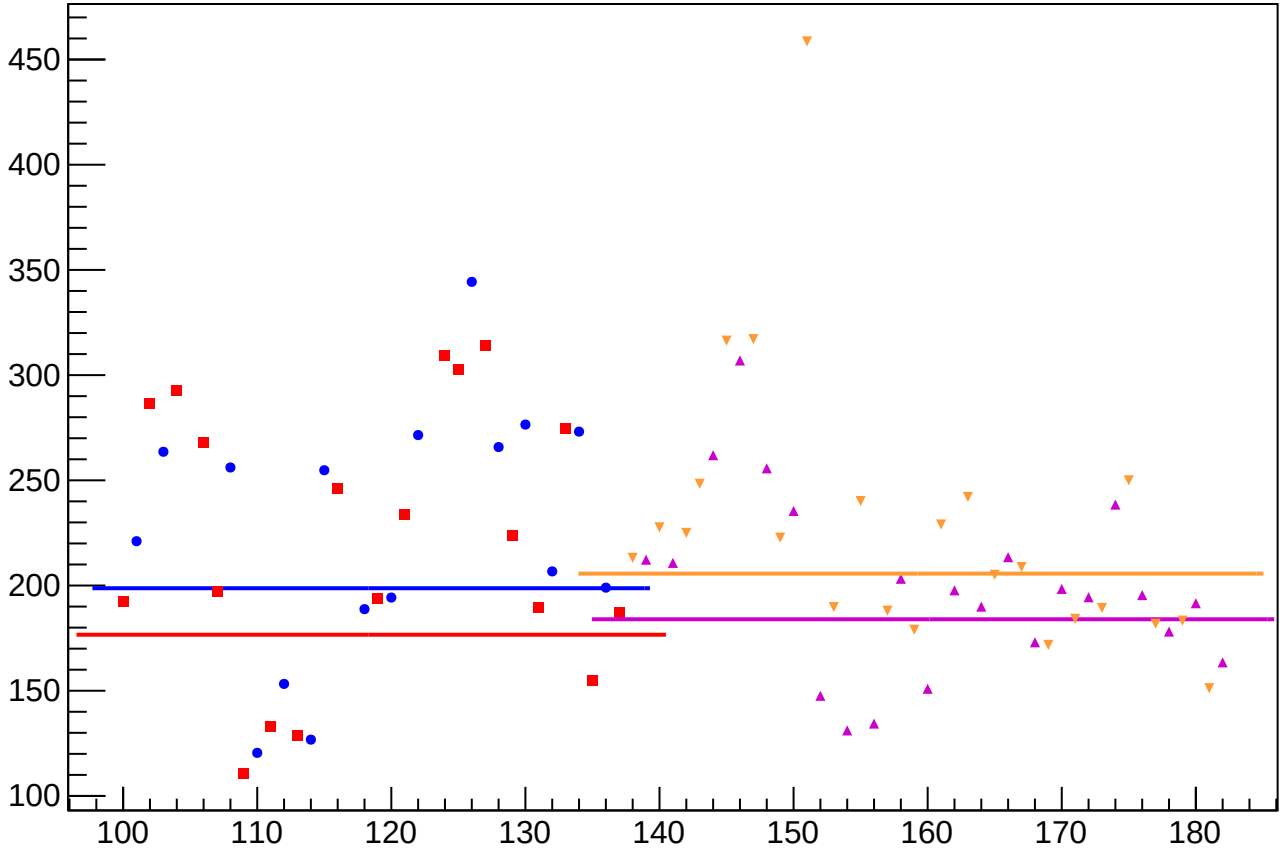
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 85.304+/-39.107 χ^2/NDF:26.9/37

Out: 36.907+/-40.513 χ^2/NDF:29.4/41

All: 61.960+/-28.137 χ^2/NDF: 57.0/79

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 205.670+/-0.035 χ^2/NDF:1533086.4/22

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 183.973+/-0.032 χ^2/NDF:1517993.1/21

Left: 193.794+/-0.024 χ^2/NDF: 3259597.9/44

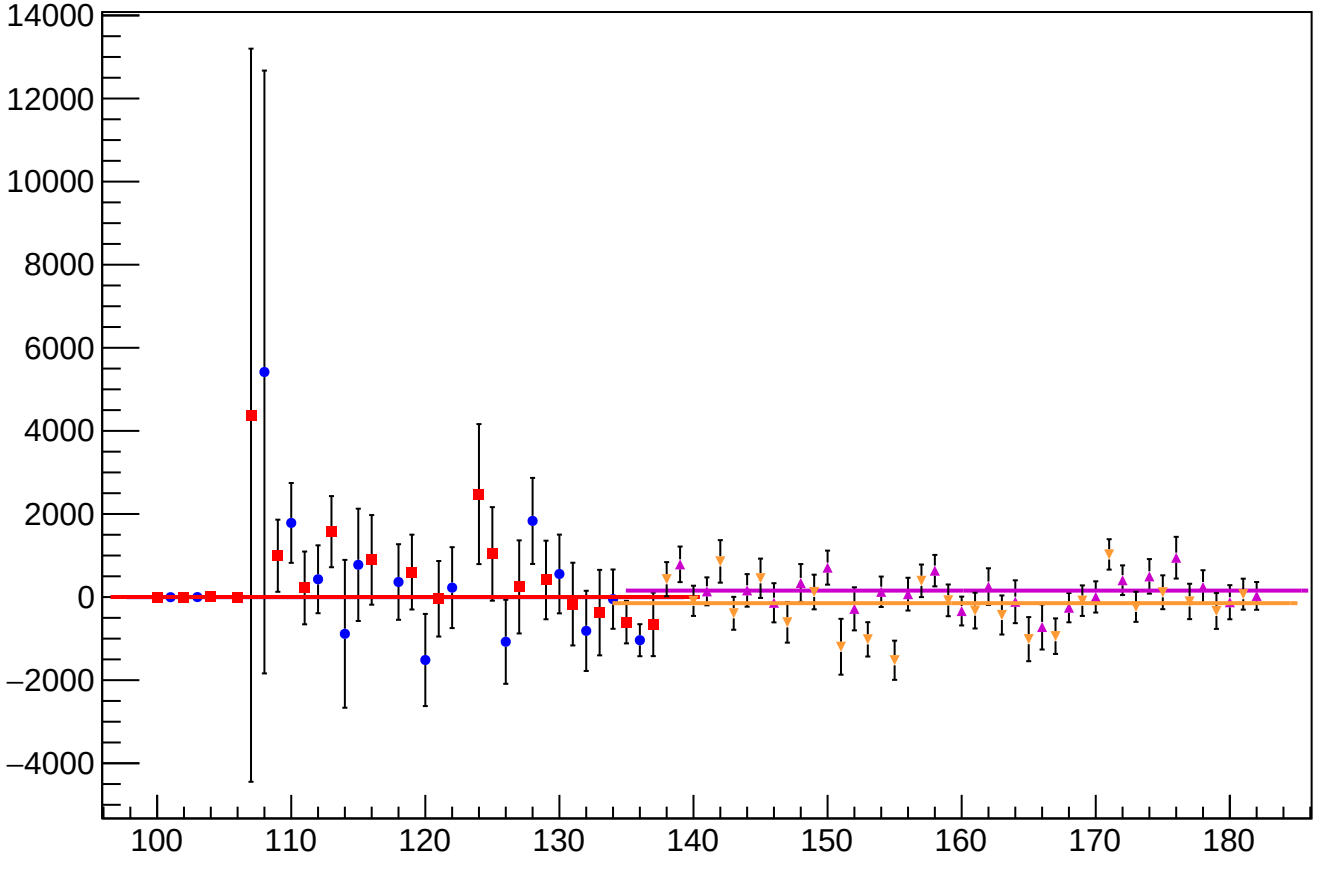
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 187.685+/-0.028 χ^2/NDF:2565619.2/37

Out: 195.913+/-0.029 χ^2/NDF:3358168.4/41

All: 191.653+/-0.020 χ^2/NDF: 5966488.7/79

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -146.735+/-87.890 χ^2/NDF:44.4/22

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 155.734+/-86.073 χ^2/NDF:17.7/21

Left: 7.657+/-61.495 χ^2/NDF: 68.1/44

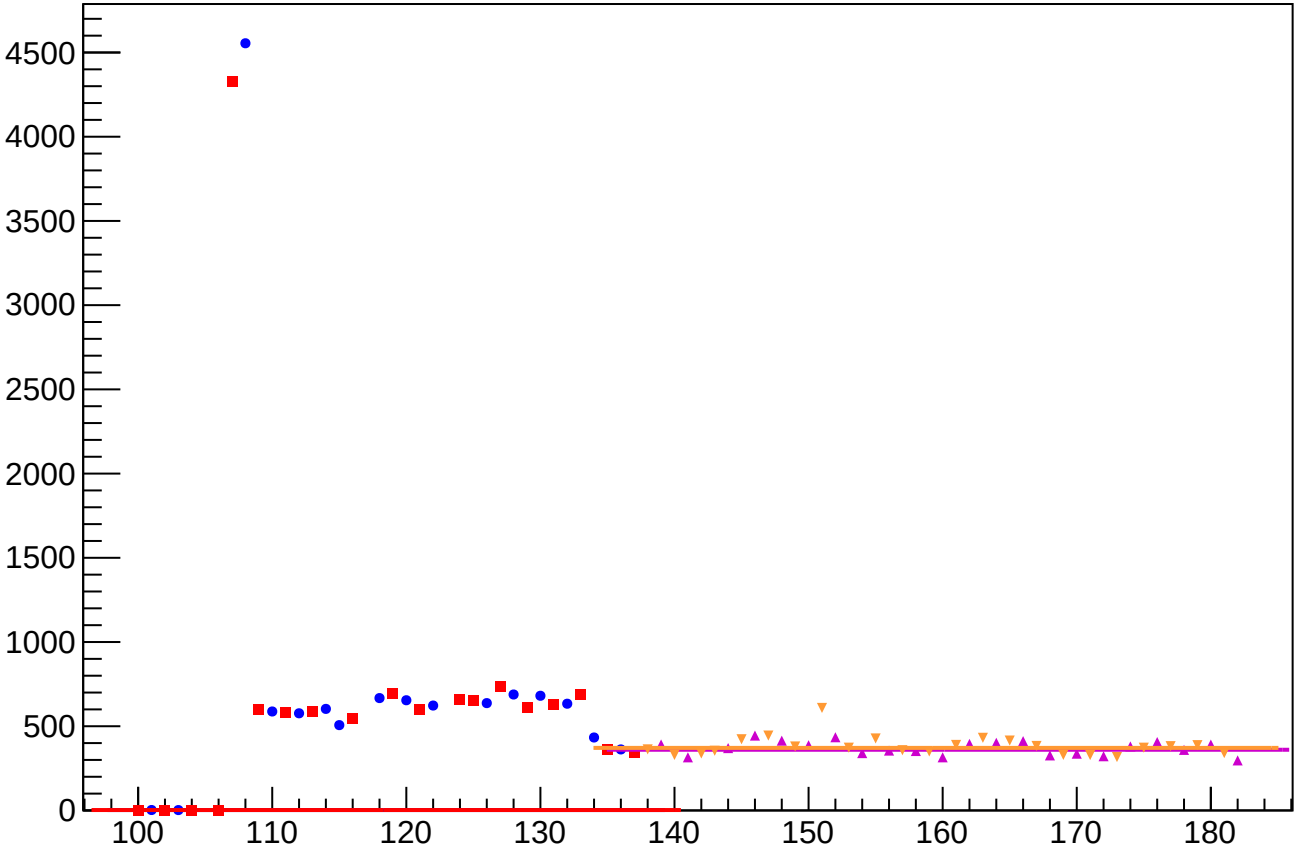
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.139+/-2.170 χ^2/NDF:40.9/37

Out: 1.299+/-2.022 χ^2/NDF:64.0/41

All: 0.166+/-1.479 χ^2/NDF: 105.7/79

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 371.445+/-0.062 χ^2/NDF:560159.9/22

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 360.362+/-0.061 χ^2/NDF:425313.3/21

Left: 365.788+/-0.043 χ^2/NDF: 1001708.6/44

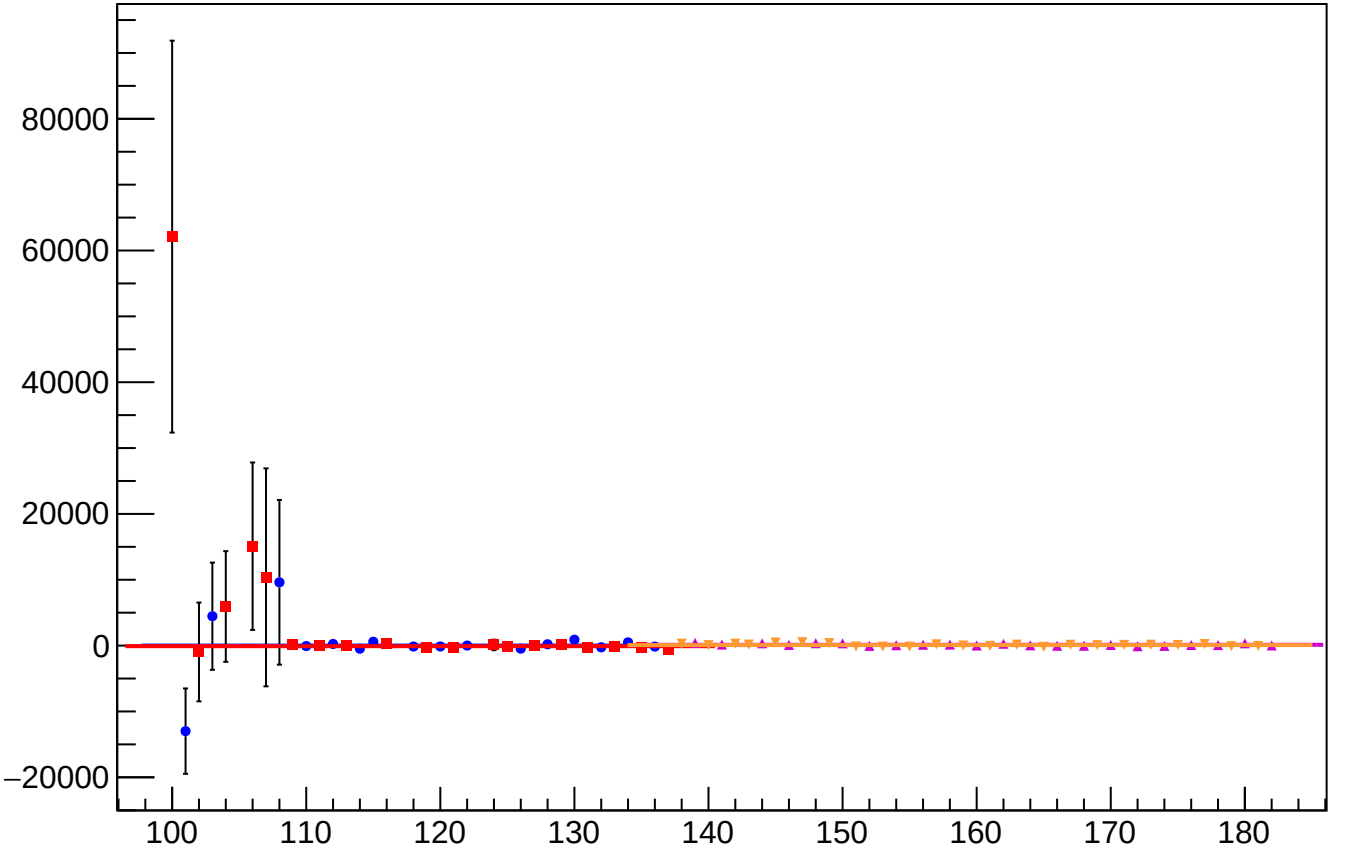
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.704+/-0.002 χ^2/NDF:46606106.4/37

Out: 2.657+/-0.001 χ^2/NDF:47337678.8/41

All: 2.679+/-0.001 χ^2/NDF: 93944282.4/79

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 80.312+/-50.603 χ^2/NDF:10.8/22

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 123.626+/-47.500 χ^2/NDF:8.9/21

Left: 103.338+/-34.633 χ^2/NDF: 20.2/44

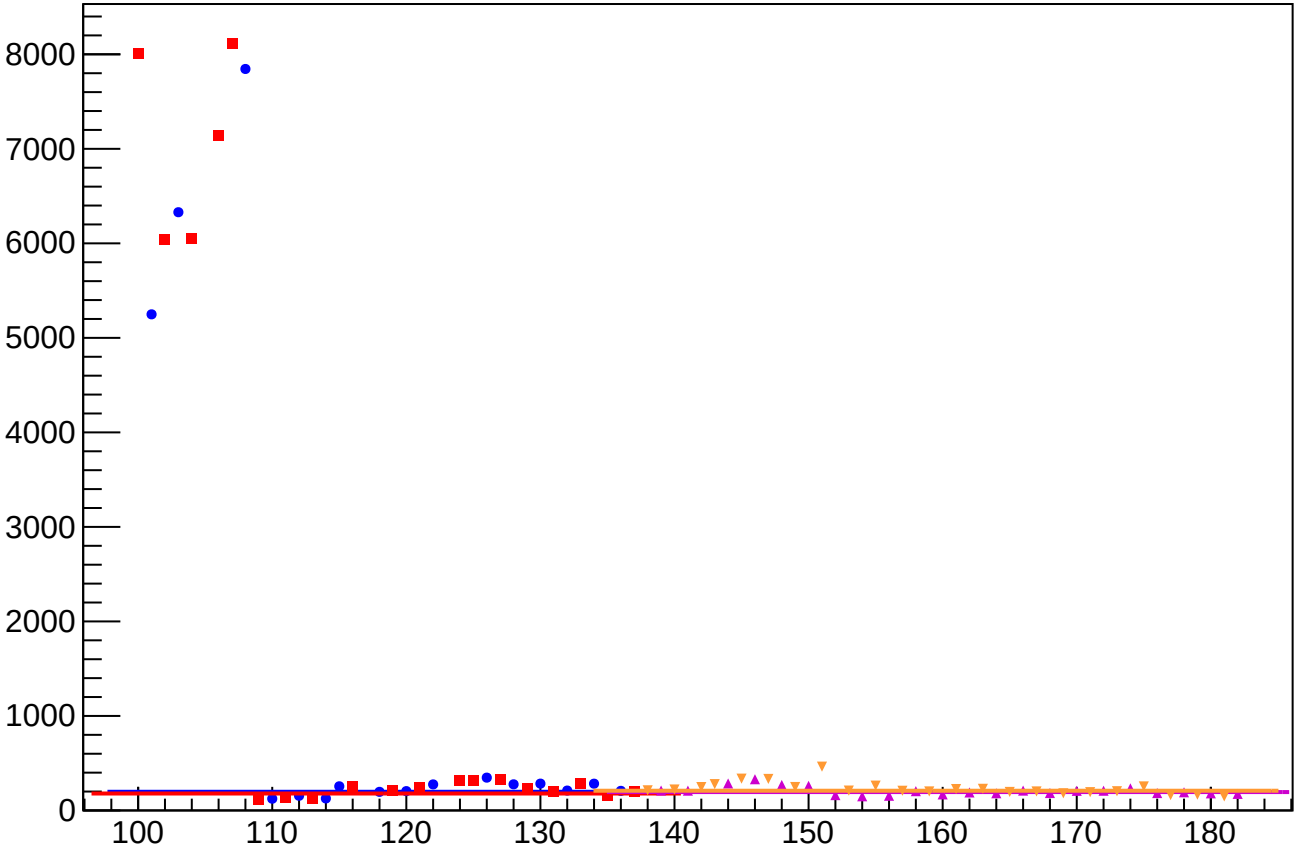
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 95.776+/-41.781 χ^2/NDF:27.3/37

Out: 33.542+/-43.006 χ^2/NDF:28.8/41

All: 65.558+/-29.967 χ^2/NDF: 57.2/79

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 208.685+/-0.036 χ^2/NDF:1830337.9/22

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 194.521+/-0.034 χ^2/NDF:1176314.6/21

Left: 201.155+/-0.024 χ^2/NDF: 3089940.1/44

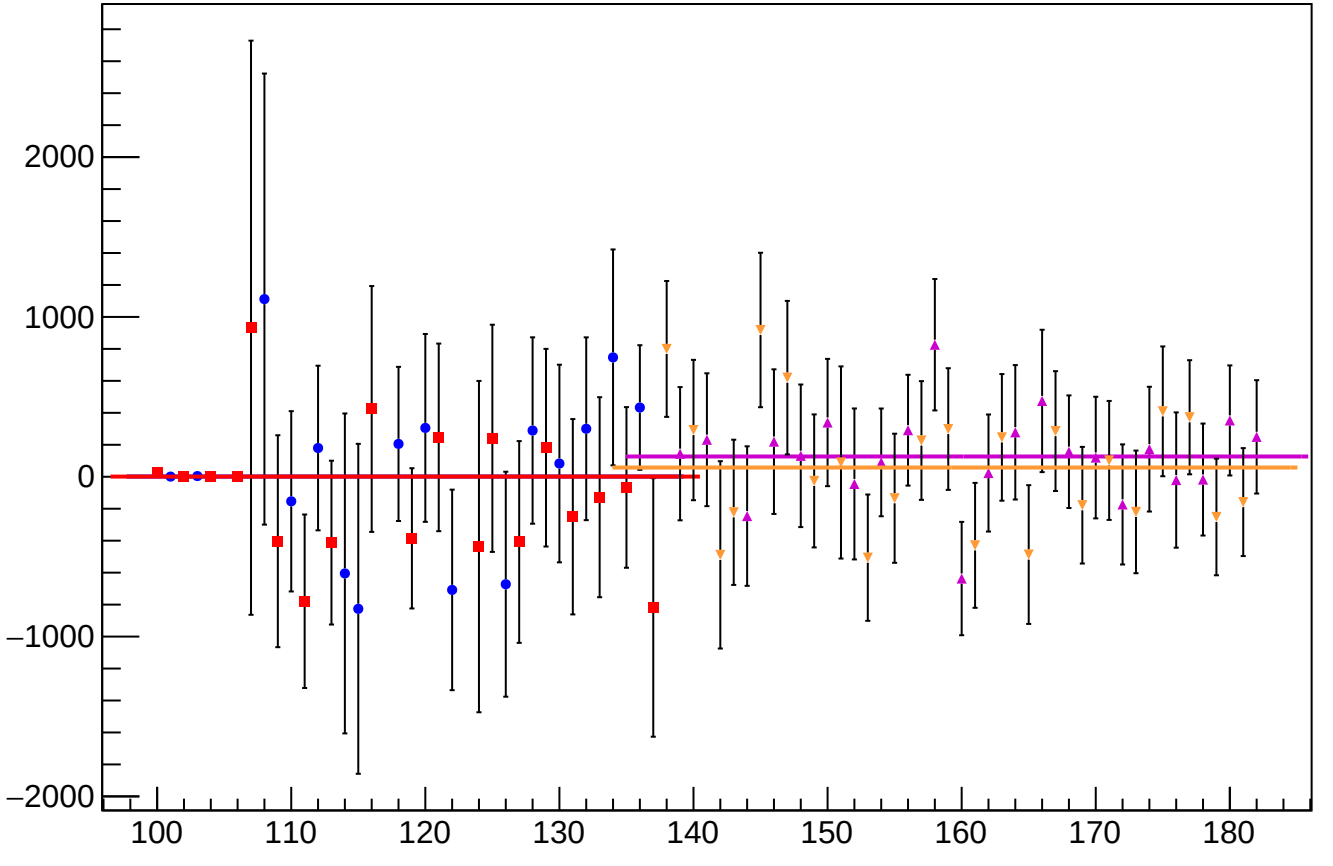
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 195.223+/-0.030 χ^2/NDF:5135433.1/37

Out: 200.510+/-0.030 χ^2/NDF:6436701.0/41

All: 197.790+/-0.021 χ^2/NDF: 11587684.7/79

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 57.671+/-84.705 χ^2/NDF:19.4/22

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 126.776+/-82.942 χ^2/NDF:11.3/21

Left: 92.950+/-59.262 χ^2/NDF: 31.1/44

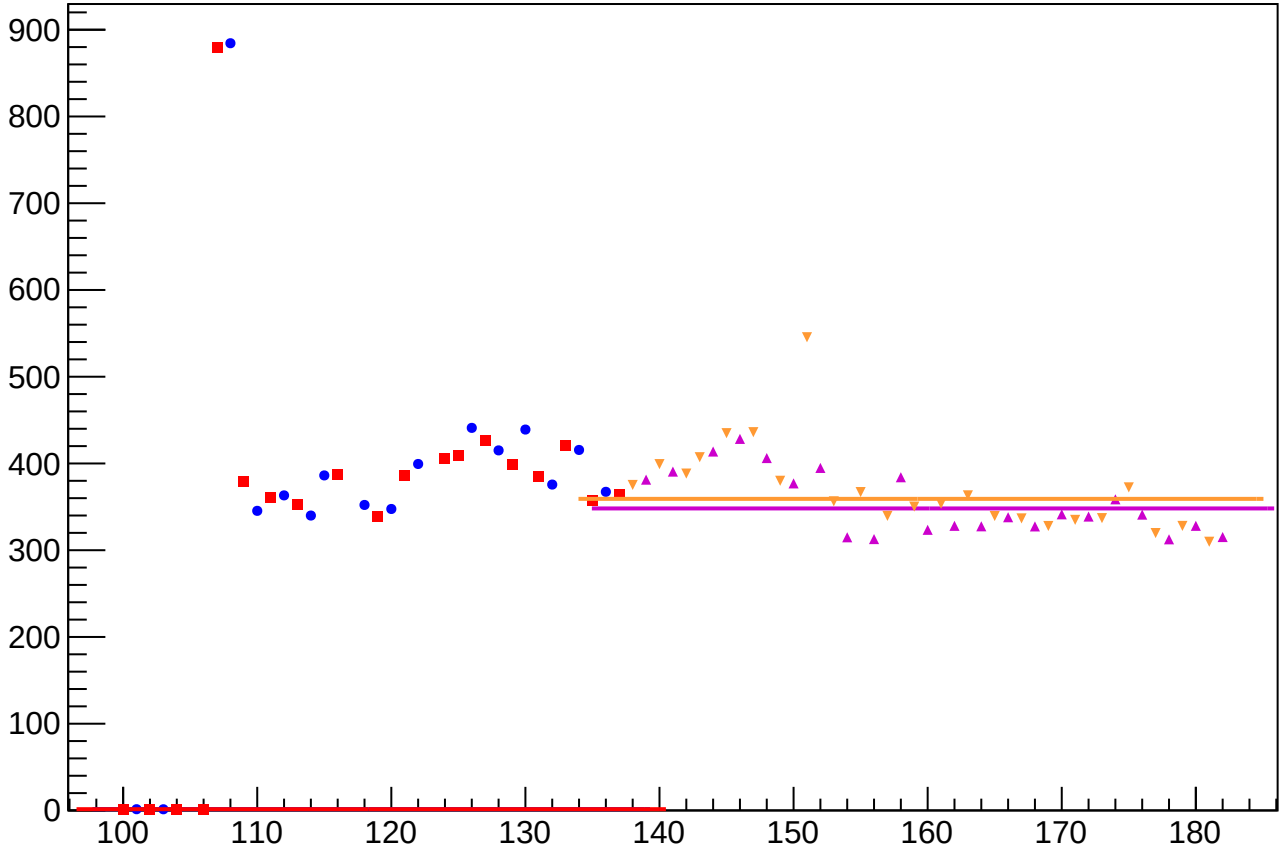
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.506+/-1.660 χ^2/NDF:21.5/37

Out: 1.112+/-1.528 χ^2/NDF:29.0/41

All: 1.293+/-1.124 χ^2/NDF: 50.5/79

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 359.200+/-0.060 χ^2/NDF:477556.2/22

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 348.152+/-0.059 χ^2/NDF:338021.5/21

Left: 353.560+/-0.042 χ^2/NDF: 832945.6/44

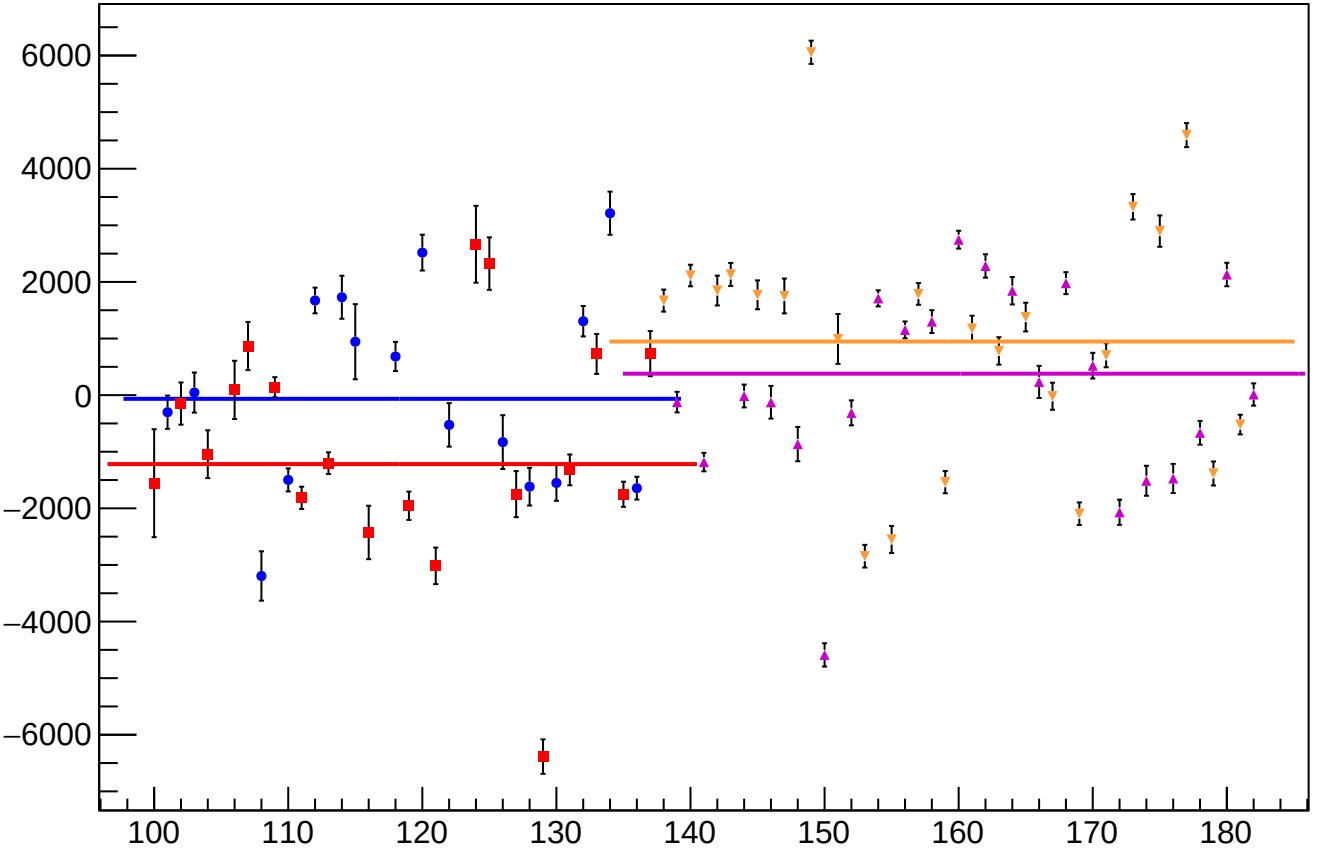
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.609+/-0.001 χ^2/NDF:47001028.5/37

Out: 1.583+/-0.001 χ^2/NDF:47408530.1/41

All: 1.595+/-0.001 χ^2/NDF: 94409815.0/79

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 947.223+/-46.097 χ^2/NDF:2393.8/22

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 379.006+/-43.069 χ^2/NDF:1589.4/21

Left: 643.840+/-31.471 χ^2/NDF: 4064.3/44

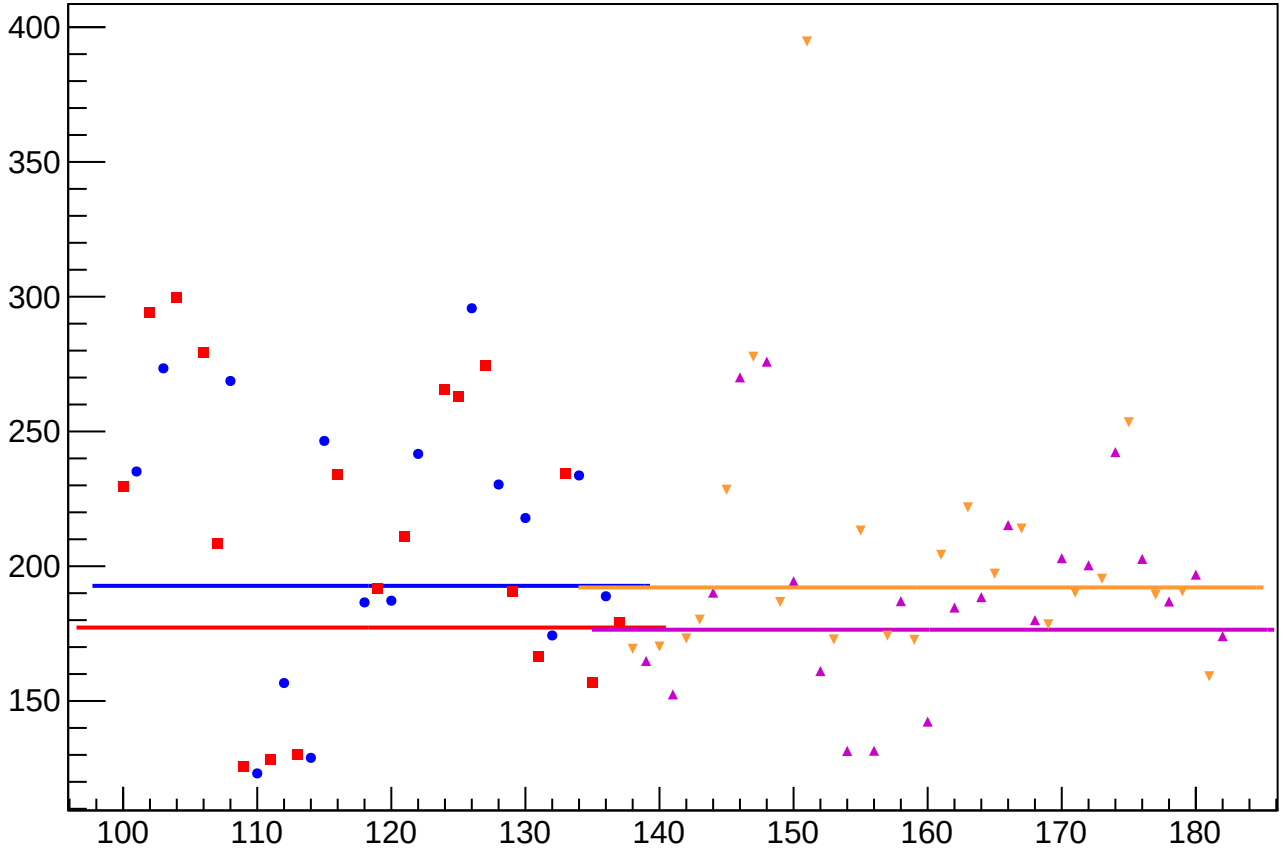
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 268.666+/-37.336 χ^2/NDF:2085.2/37

Out: 279.396+/-38.334 χ^2/NDF:3668.8/41

All: 273.890+/-26.746 χ^2/NDF: 5754.1/79

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 192.123+/-0.033 χ^2/NDF:995694.6/22

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 176.448+/-0.030 χ^2/NDF:1257644.0/21

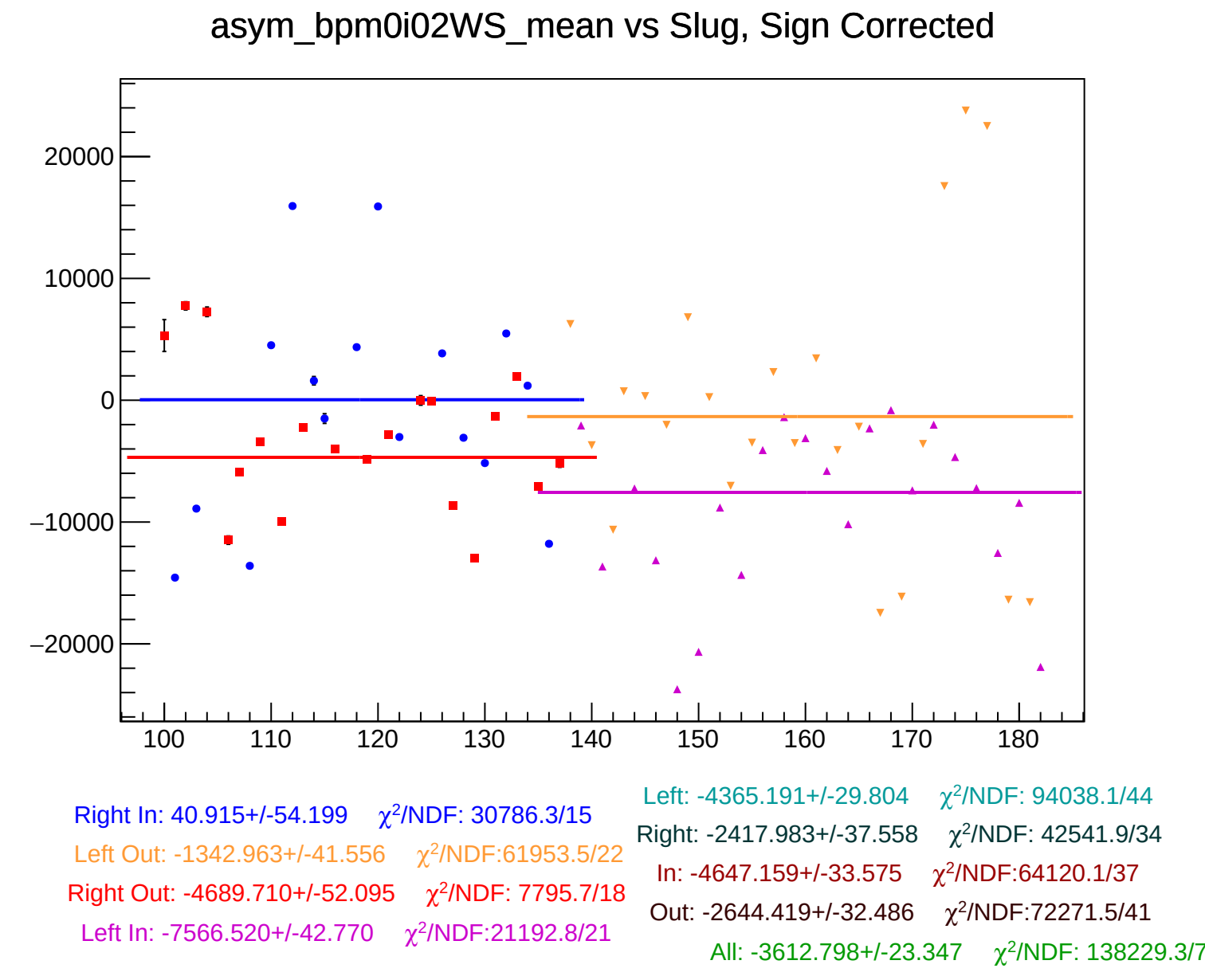
Left: 183.754+/-0.022 χ^2/NDF: 2376813.2/44

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

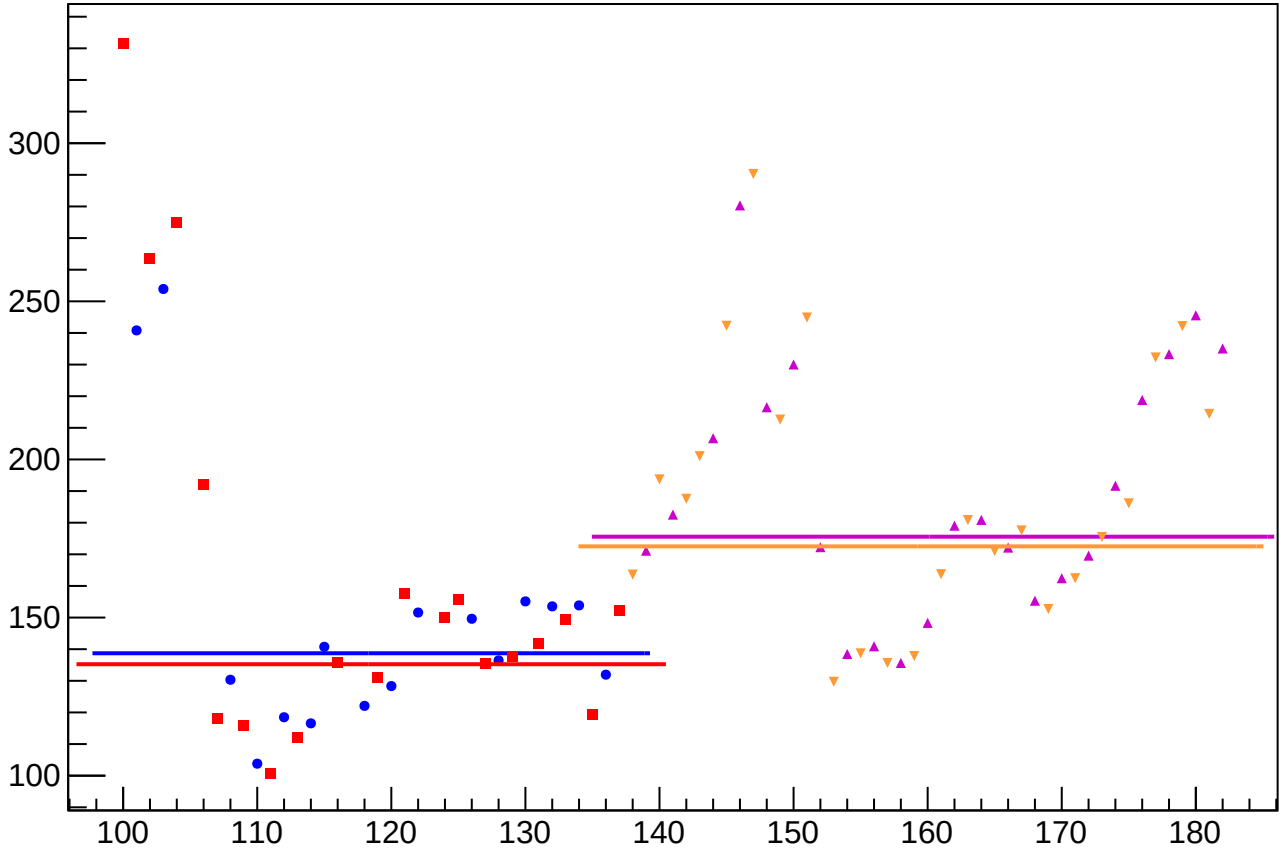
In: 180.491+/-0.026 χ^2/NDF:2087730.8/37

Out: 187.536+/-0.027 χ^2/NDF:2286082.5/41

All: 183.921+/-0.019 χ^2/NDF: 4408471.4/79


asym_bpm0i02WS_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: 40.915+/-54.199 χ²/NDF: 30786.3/15
Left Out: -1342.963+/-41.556 χ²/NDF:61953.5/22
Right Out: -4689.710+/-52.095 χ²/NDF: 7795.7/18
Left In: -7566.520+/-42.770 χ²/NDF:21192.8/21
Left: -4365.191+/-29.804 χ²/NDF: 94038.1/44
Right: -2417.983+/-37.558 χ²/NDF: 42541.9/34
In: -4647.159+/-33.575 χ²/NDF:64120.1/37
Out: -2644.419+/-32.486 χ²/NDF:72271.5/41
All: -3612.798+/-23.347 χ²/NDF: 138229.3/7

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 172.515+/-0.029 χ^2/NDF:1508361.9/22

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 175.572+/-0.030 χ^2/NDF:1327064.6/21

Left: 174.000+/-0.021 χ^2/NDF: 2840685.1/44

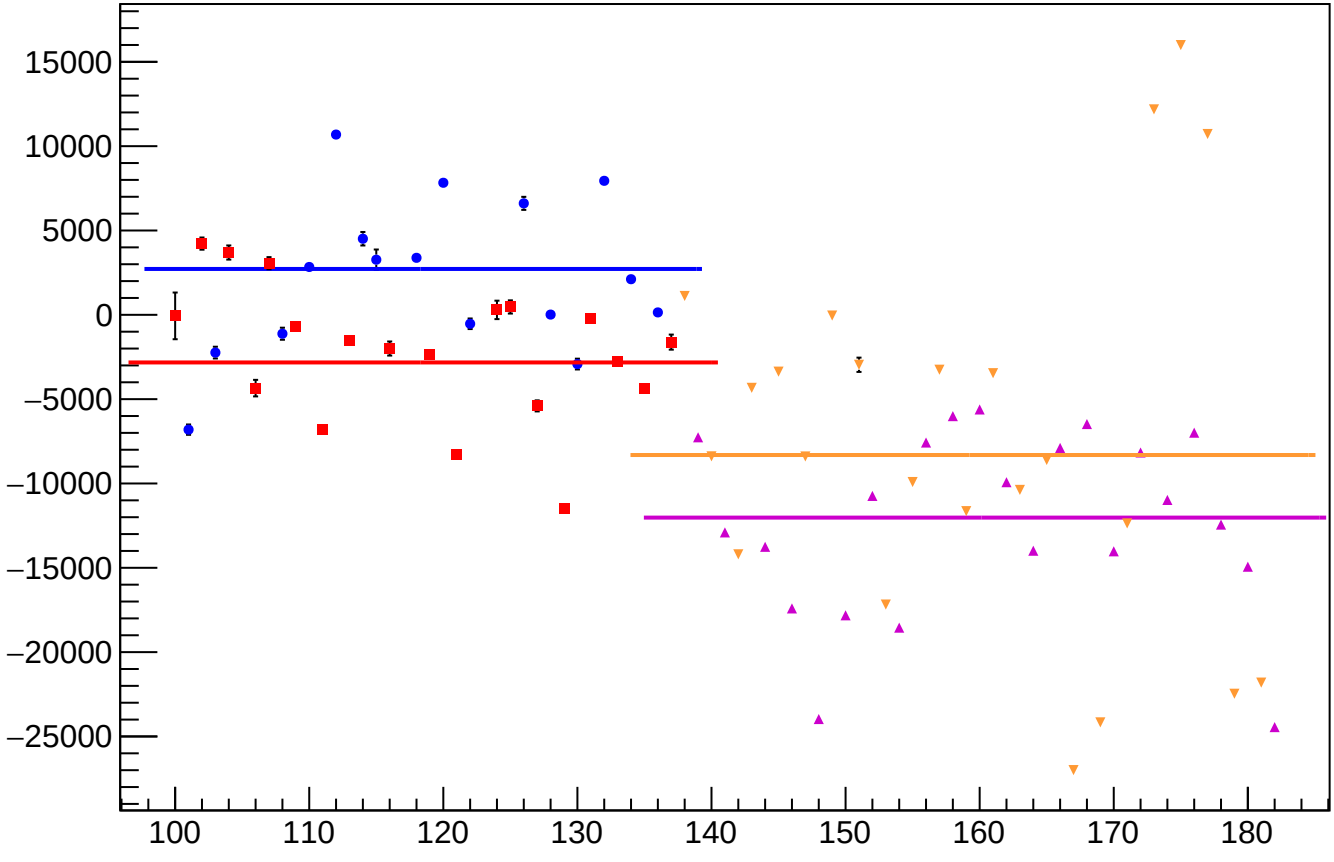
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 161.427+/-0.024 χ^2/NDF:2554931.1/37

Out: 158.022+/-0.023 χ^2/NDF:3023958.2/41

All: 159.668+/-0.017 χ^2/NDF: 5589517.1/79

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -8312.319+/-47.083 χ^2/NDF:55165.6/22

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -12023.661+/-44.525 χ^2/NDF:14436.0/21

Left: -10271.532+/-32.350 χ^2/NDF: 72881.7/44

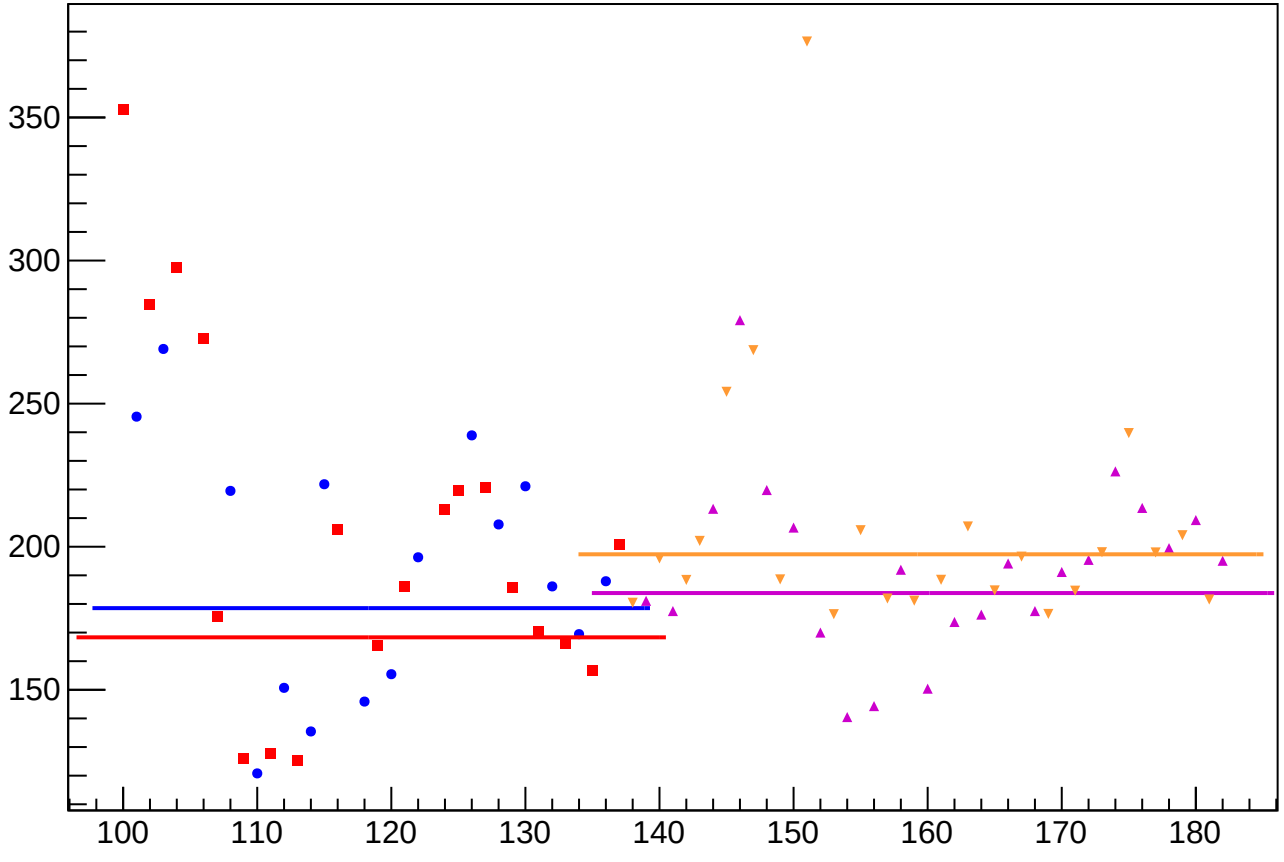
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -7711.131+/-37.451 χ^2/NDF:50637.4/37

Out: -6417.818+/-38.100 χ^2/NDF:62919.1/41

All: -7075.582+/-26.708 χ^2/NDF: 114142.5/7

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 197.355+/-0.033 χ^2/NDF:731687.2/22

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 183.812+/-0.031 χ^2/NDF:827724.8/21

Left: 190.206+/-0.023 χ^2/NDF: 1646762.8/44

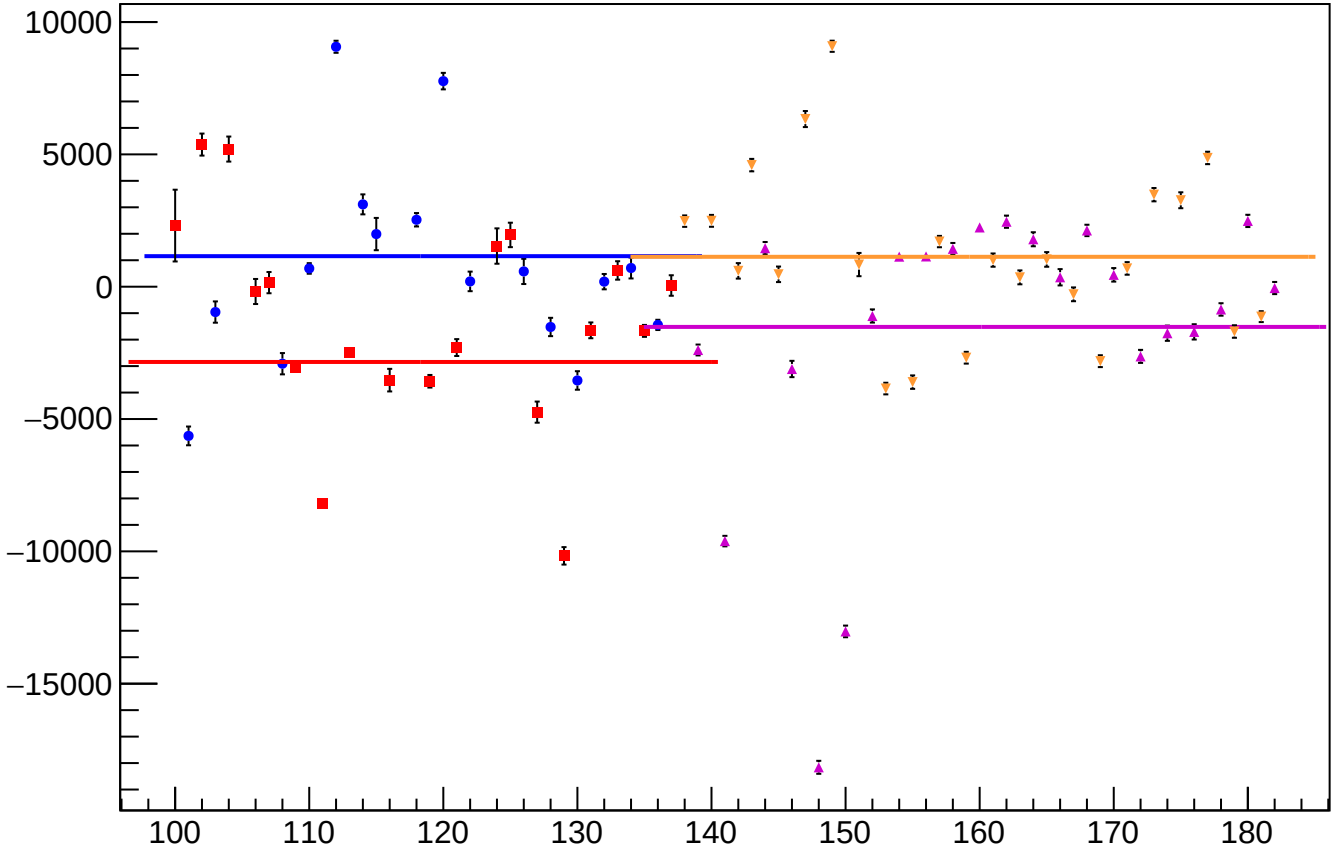
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 182.270+/-0.026 χ^2/NDF:1510489.6/37

Out: 187.338+/-0.027 χ^2/NDF:1973435.4/41

All: 184.761+/-0.019 χ^2/NDF: 3501920.4/79

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1129.734+/-51.231 χ^2/NDF:4182.1/22

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1519.214+/-48.440 χ^2/NDF:11475.3/21

Left: -268.854+/-35.198 χ^2/NDF: 17069.0/44

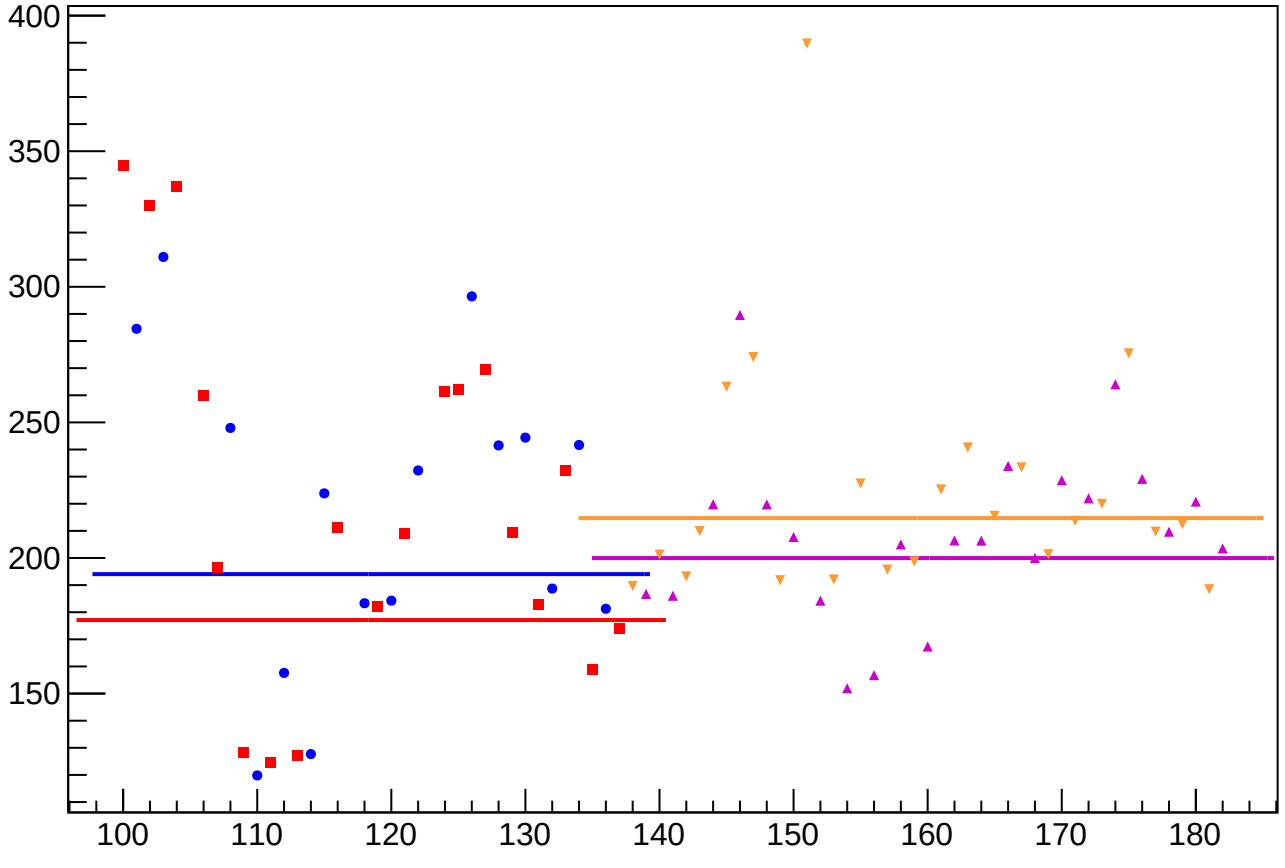
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -746.391+/-40.842 χ^2/NDF:15011.0/37

Out: -278.707+/-41.162 χ^2/NDF:8767.6/41

All: -514.377+/-28.992 χ^2/NDF: 23843.7/79

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.723+/-0.036 χ^2/NDF:725984.1/22

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 199.969+/-0.034 χ^2/NDF:785323.7/21

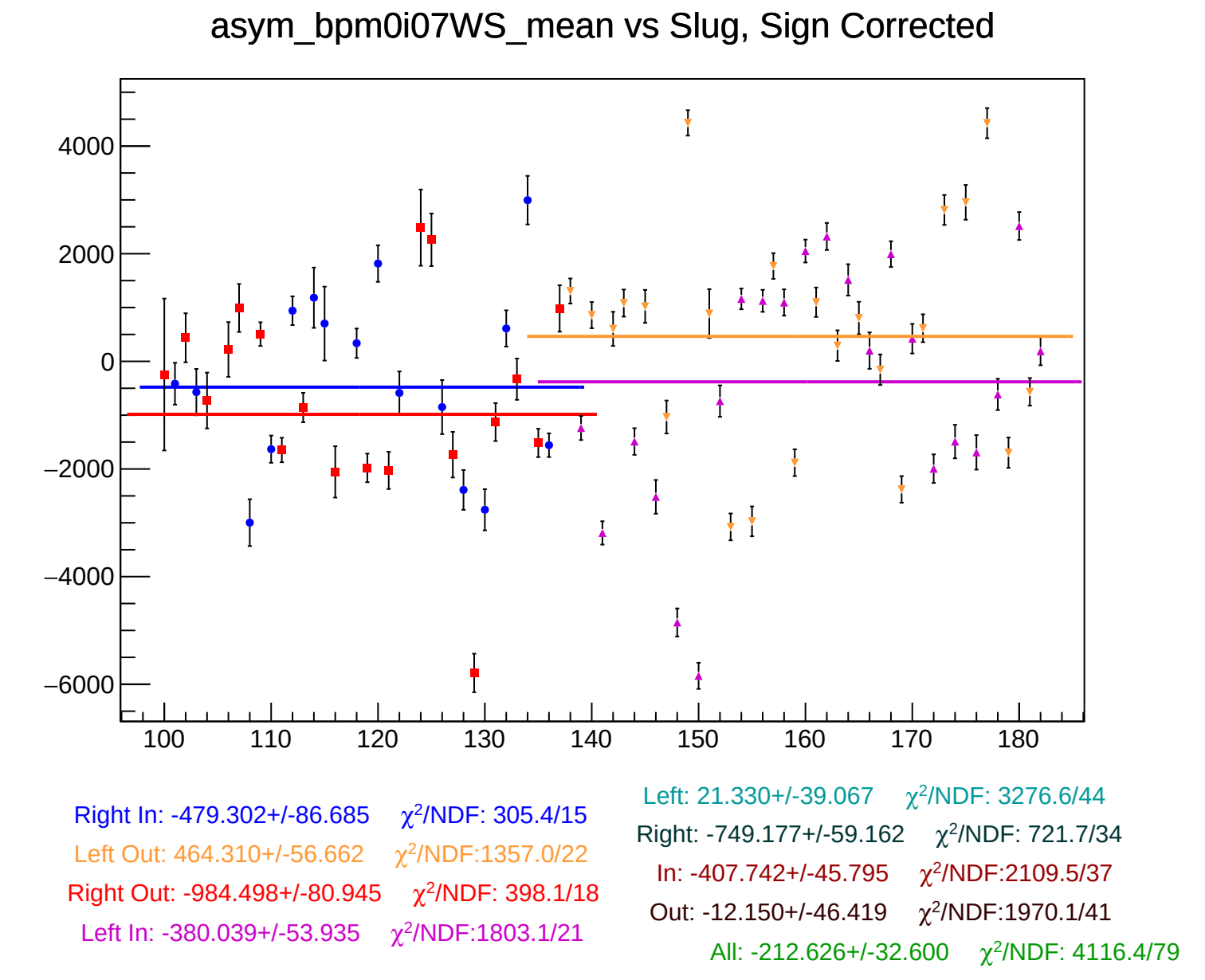
Left: 206.933+/-0.025 χ^2/NDF: 1598884.6/44

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

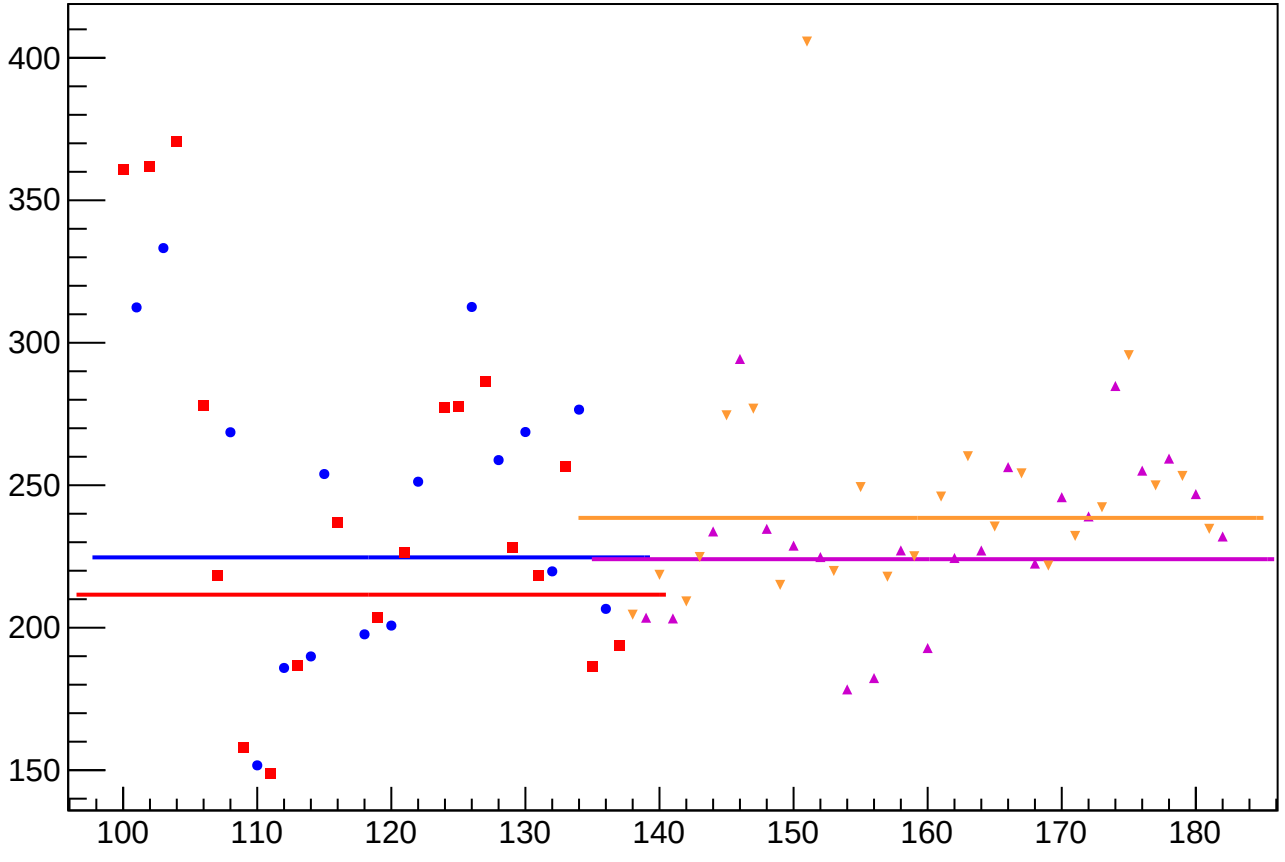
In: 198.259+/-0.029 χ^2/NDF:1759735.0/37

Out: 201.393+/-0.029 χ^2/NDF:2467337.4/41

All: 199.813+/-0.021 χ^2/NDF: 4232915.7/79


asym_bpm0i07WS_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -479.302+/-86.685 χ²/NDF: 305.4/15
Left Out: 464.310+/-56.662 χ²/NDF:1357.0/22
Right Out: -984.498+/-80.945 χ²/NDF: 398.1/18
Left In: -380.039+/-53.935 χ²/NDF:1803.1/21
Left: 21.330+/-39.067 χ²/NDF: 3276.6/44
Right: -749.177+/-59.162 χ²/NDF: 721.7/34
In: -407.742+/-45.795 χ²/NDF:2109.5/37
Out: -12.150+/-46.419 χ²/NDF:1970.1/41
All: -212.626+/-32.600 χ²/NDF: 4116.4/79

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.543+/-0.040 χ^2/NDF:566103.6/22

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 224.048+/-0.038 χ^2/NDF:562000.6/21

Left: 230.938+/-0.028 χ^2/NDF: 1196775.1/44

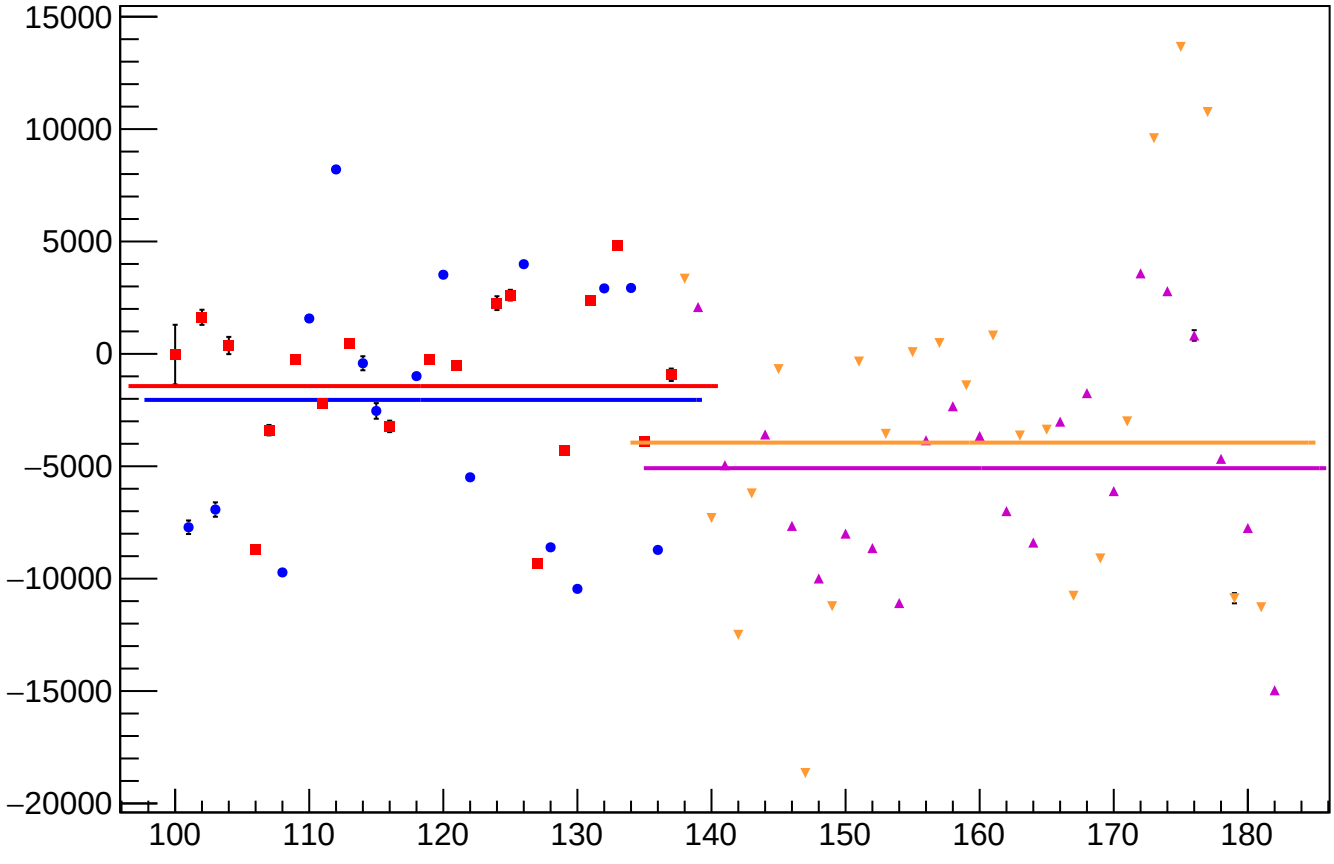
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 224.225+/-0.032 χ^2/NDF:1215271.3/37

Out: 229.681+/-0.033 χ^2/NDF:1647779.5/41

All: 226.916+/-0.023 χ^2/NDF: 2877053.0/79

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3947.133+/-31.216 χ^2/NDF:53912.1/22

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5085.008+/-32.087 χ^2/NDF:17393.0/21

Left: -4500.408+/-22.375 χ^2/NDF: 71951.2/44

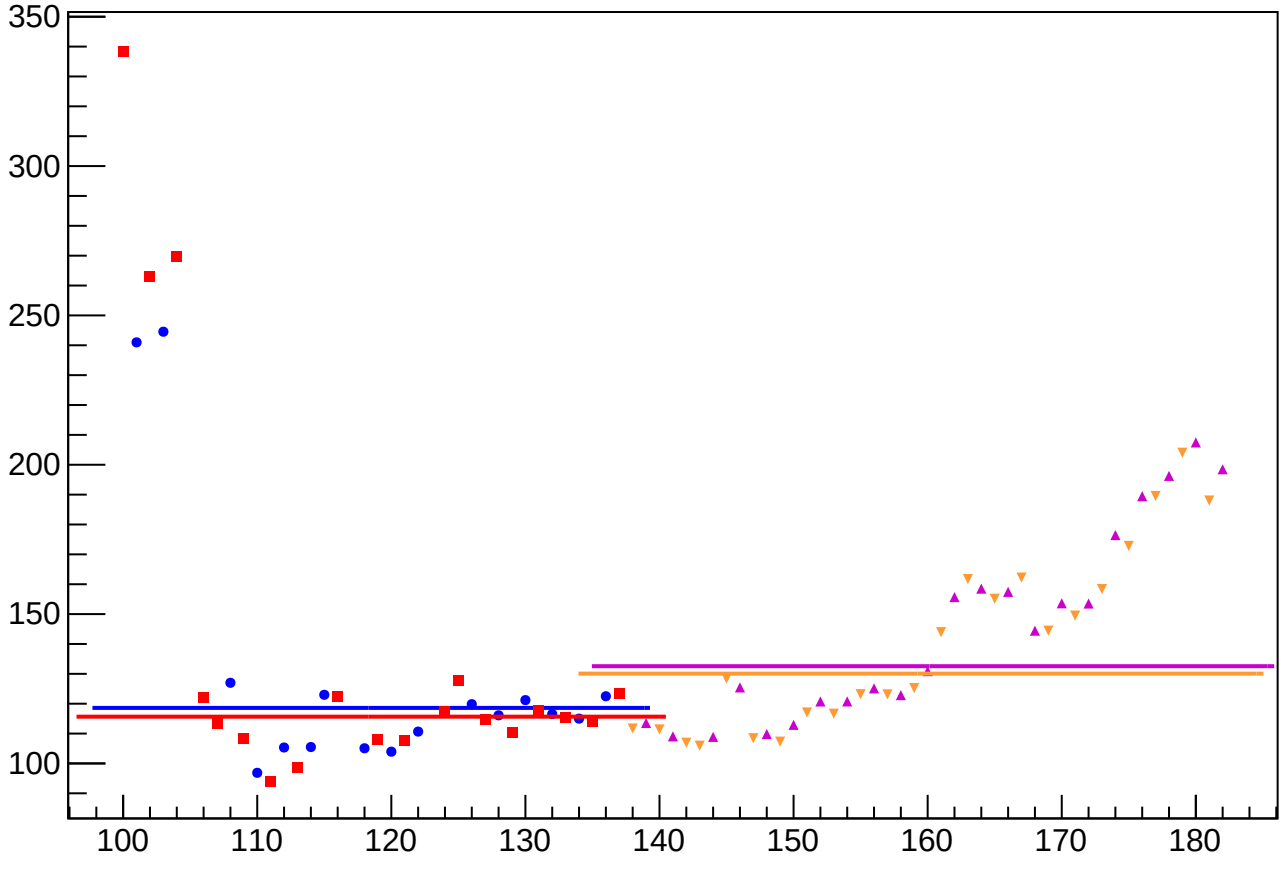
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4111.425+/-26.450 χ^2/NDF:36974.6/37

Out: -3123.655+/-25.598 χ^2/NDF:62424.6/41

All: -3601.377+/-18.395 χ^2/NDF: 100119.4/7

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 130.070+/-0.022 χ^2/NDF:1296025.1/22

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 132.559+/-0.023 χ^2/NDF:1351638.3/21

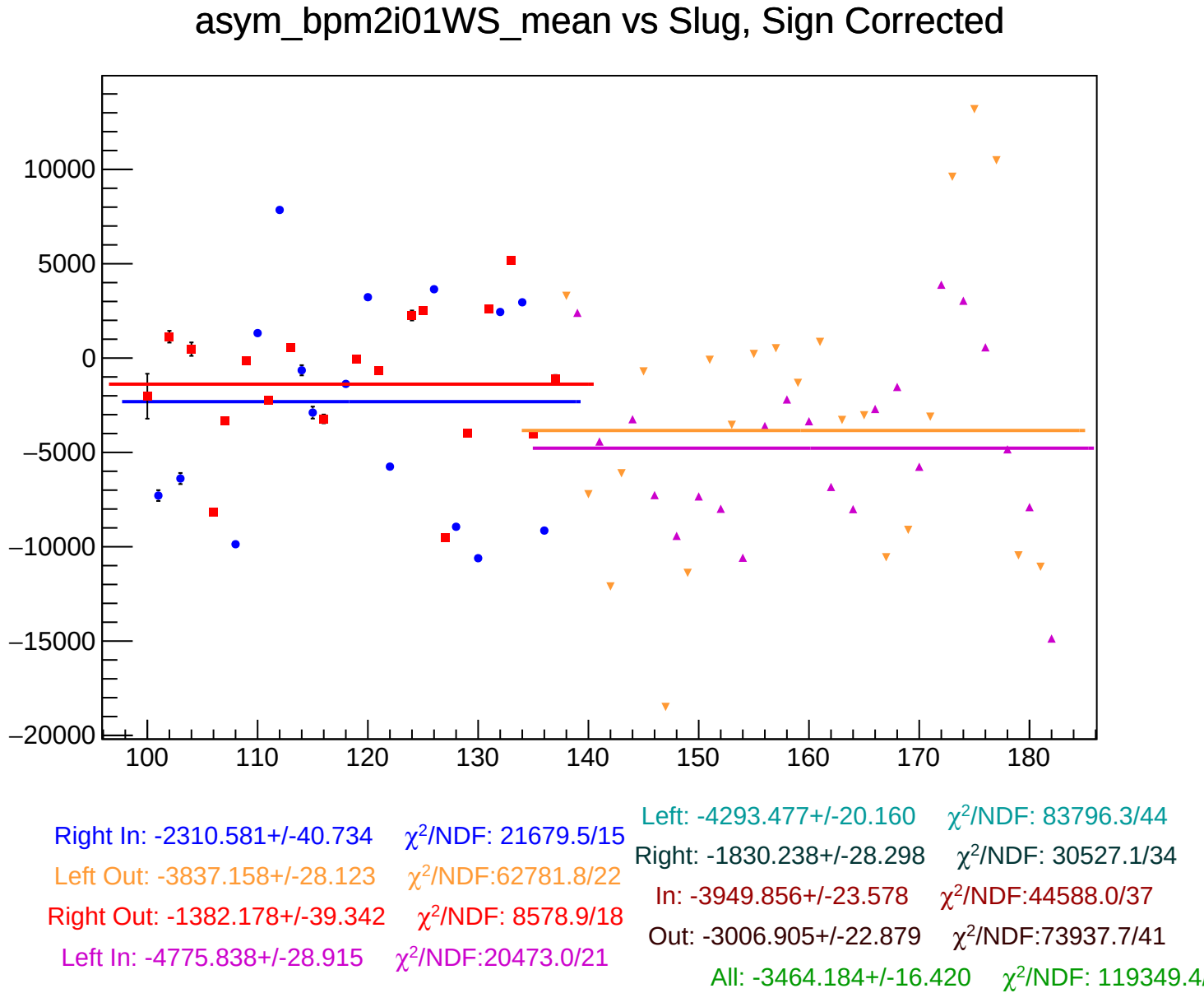
Left: 131.280+/-0.016 χ^2/NDF: 2653849.5/44

Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

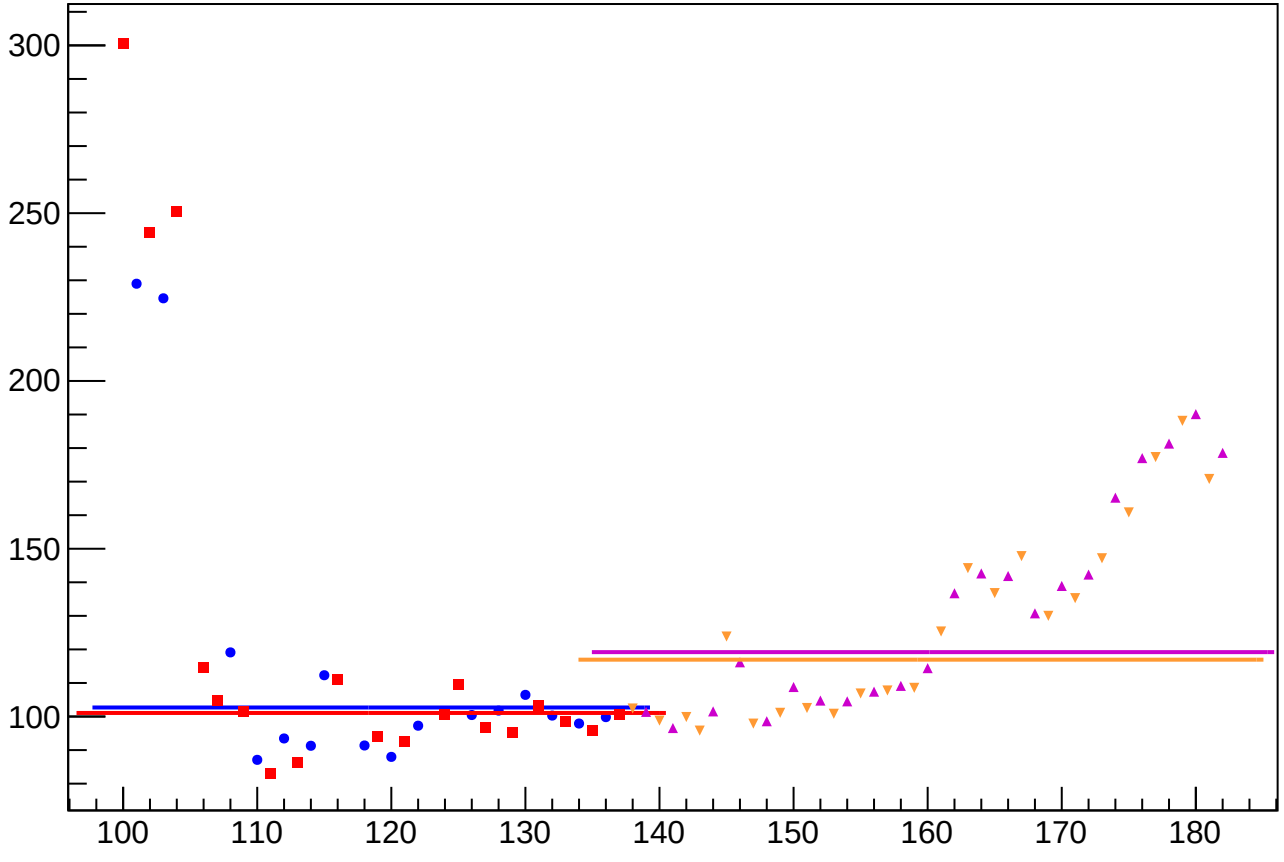
In: 128.084+/-0.019 χ^2/NDF:2207182.9/37

Out: 125.350+/-0.018 χ^2/NDF:2299821.2/41

All: 126.672+/-0.013 χ^2/NDF: 4518038.9/79


asym_bpm2i01WS_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -2310.581+/-40.734 χ²/NDF: 21679.5/15
Left Out: -3837.158+/-28.123 χ²/NDF:62781.8/22
Right Out: -1382.178+/-39.342 χ²/NDF: 8578.9/18
Left In: -4775.838+/-28.915 χ²/NDF:20473.0/21
Left: -4293.477+/-20.160 χ²/NDF: 83796.3/44
Right: -1830.238+/-28.298 χ²/NDF: 30527.1/34
In: -3949.856+/-23.578 χ²/NDF:44588.0/37
Out: -3006.905+/-22.879 χ²/NDF:73937.7/41
All: -3464.184+/-16.420 χ²/NDF: 119349.4/7

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 116.943+/-0.020 χ^2/NDF:1380061.6/22

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 119.191+/-0.020 χ^2/NDF:1444983.6/21

Left: 118.035+/-0.014 χ^2/NDF: 2831257.7/44

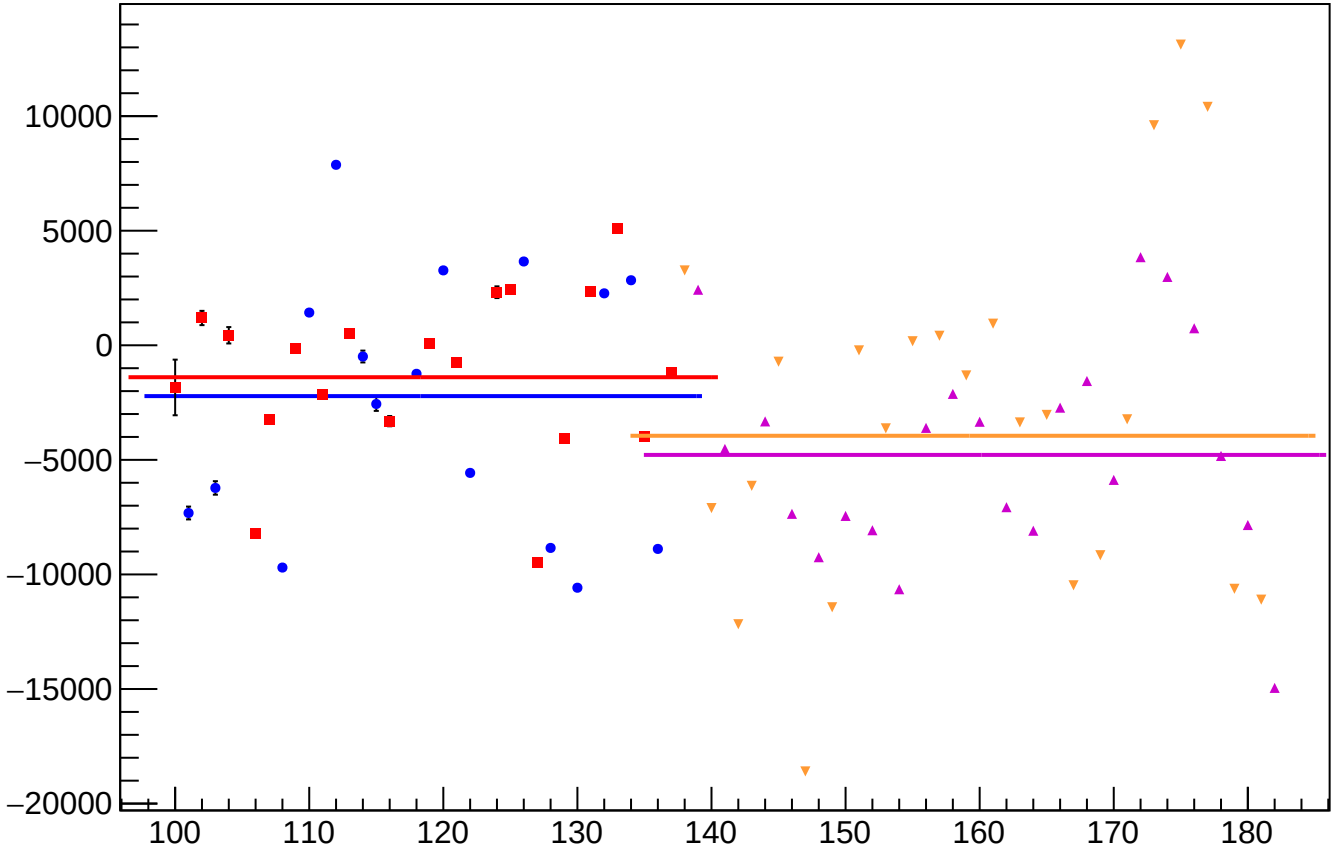
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 113.663+/-0.017 χ^2/NDF:2488909.4/37

Out: 111.572+/-0.016 χ^2/NDF:2526153.6/41

All: 112.586+/-0.012 χ^2/NDF: 5023164.6/79

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -3948.738+/-27.539 χ^2/NDF:66966.7/22

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -4784.271+/-28.299 χ^2/NDF:21514.6/21

Left: -4355.129+/-19.736 χ^2/NDF: 88929.0/44

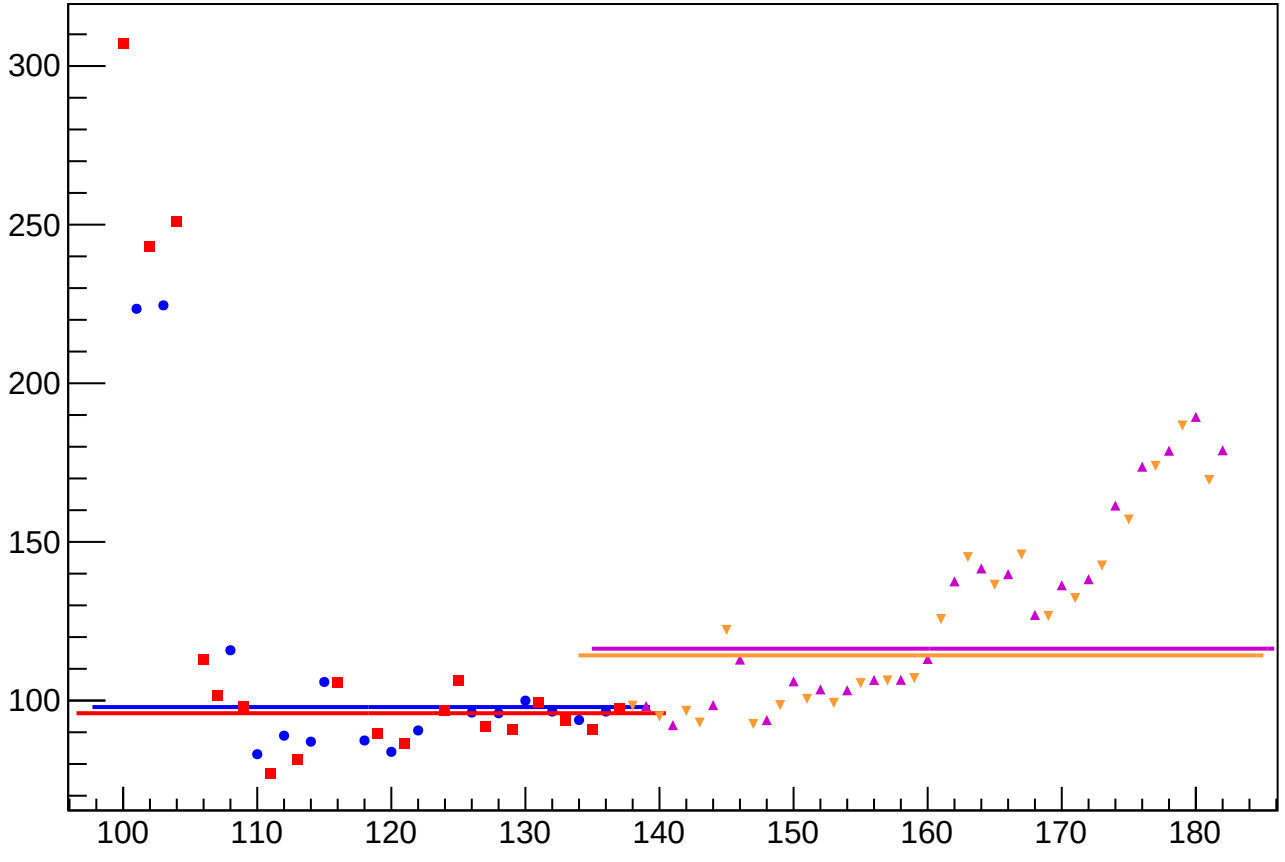
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3900.276+/-22.913 χ^2/NDF:47387.9/37

Out: -3055.978+/-22.213 χ^2/NDF:79126.6/41

All: -3465.044+/-15.949 χ^2/NDF: 127214.5/7

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 114.234+/-0.019 χ^2/NDF:1477088.0/22

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 116.353+/-0.020 χ^2/NDF:1543691.0/21

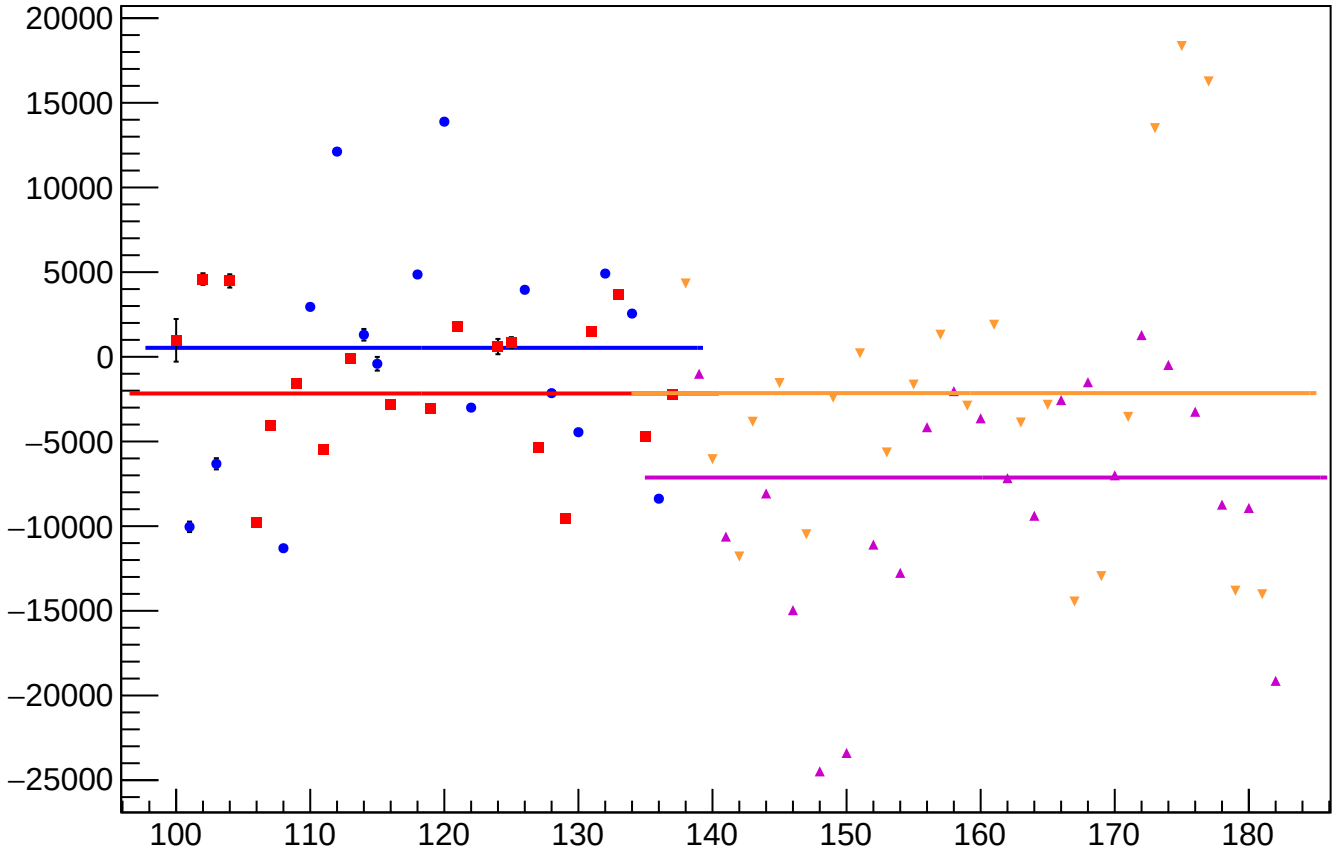
Left: 115.265+/-0.014 χ^2/NDF: 3026538.1/44

Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 110.012+/-0.016 χ^2/NDF:2703395.4/37

Out: 107.865+/-0.016 χ^2/NDF:2795570.4/41

All: 108.905+/-0.011 χ^2/NDF: 5508014.9/79



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2143.335+/-38.280 χ^2/NDF:43819.2/22

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -7129.457+/-39.777 χ^2/NDF:23002.4/21

Left: -4540.845+/-27.582 χ^2/NDF: 74979.3/44

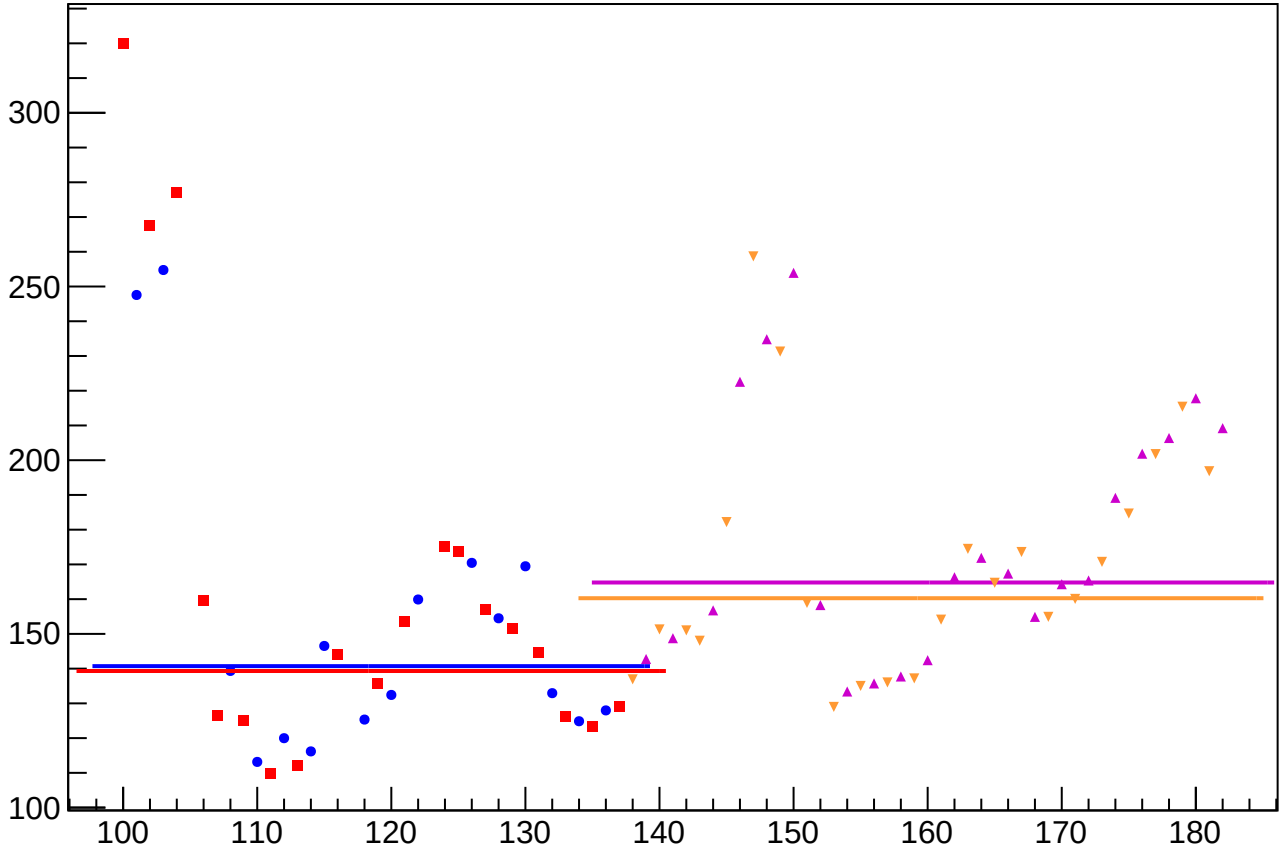
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4489.715+/-32.202 χ^2/NDF:54370.0/37

Out: -2150.677+/-31.124 χ^2/NDF:48786.5/41

All: -3280.384+/-22.379 χ^2/NDF: 105884.3/7

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 160.272+/-0.027 χ^2/NDF:1027383.1/22

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 164.795+/-0.028 χ^2/NDF:1150499.3/21

Left: 162.447+/-0.020 χ^2/NDF: 2191307.9/44

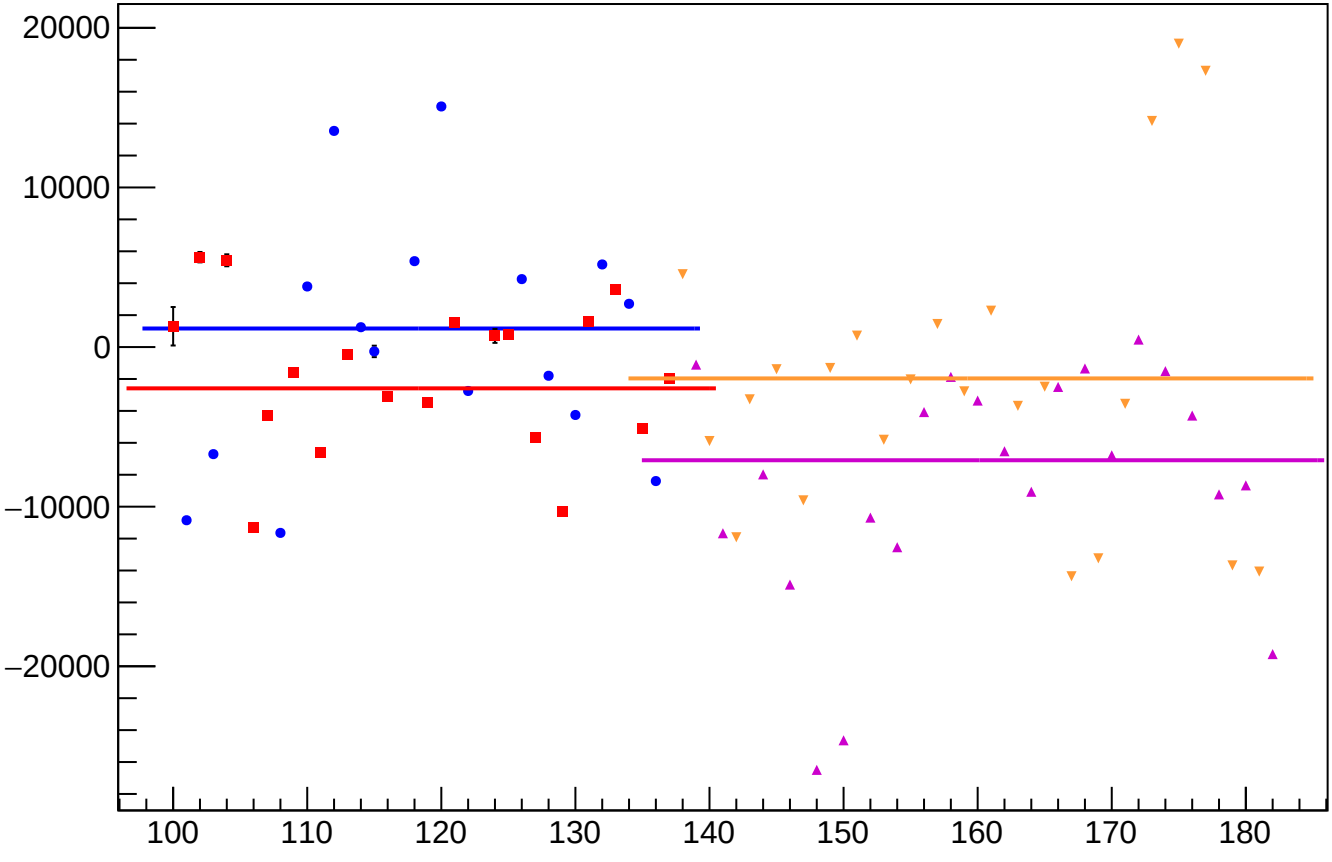
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 156.497+/-0.023 χ^2/NDF:2078695.5/37

Out: 153.169+/-0.022 χ^2/NDF:2032837.5/41

All: 154.776+/-0.016 χ^2/NDF: 4122576.1/79

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -1964.724+/-34.200 χ^2/NDF:54092.3/22

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -7091.633+/-35.673 χ^2/NDF:28458.3/21

Left: -4420.185+/-24.687 χ^2/NDF: 93313.5/44

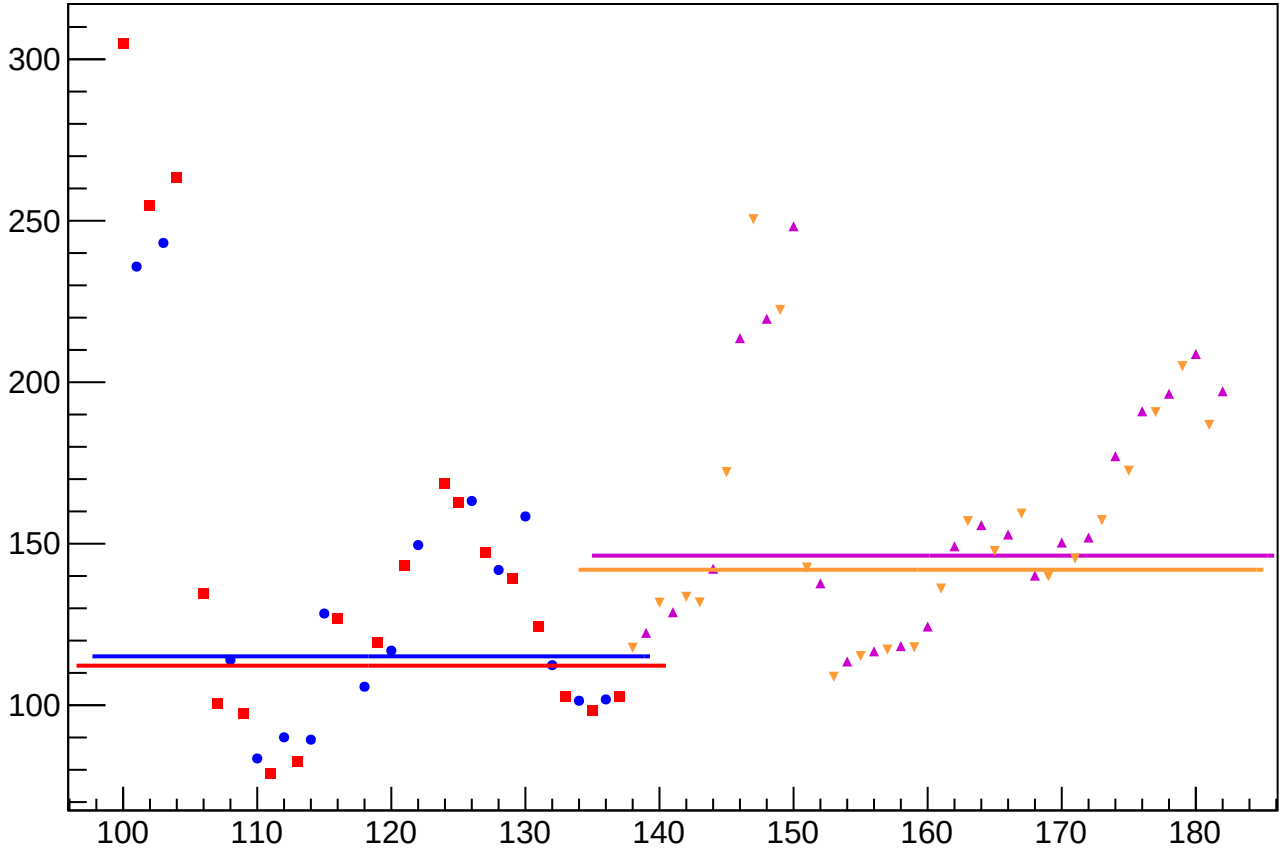
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3985.777+/-28.173 χ^2/NDF:79359.4/37

Out: -2197.300+/-27.062 χ^2/NDF:62315.7/41

All: -3055.551+/-19.517 χ^2/NDF: 143771.0/7

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 141.942+/-0.024 χ^2/NDF:1502957.8/22

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 146.310+/-0.025 χ^2/NDF:1654861.0/21

Left: 144.034+/-0.017 χ^2/NDF: 3173439.3/44

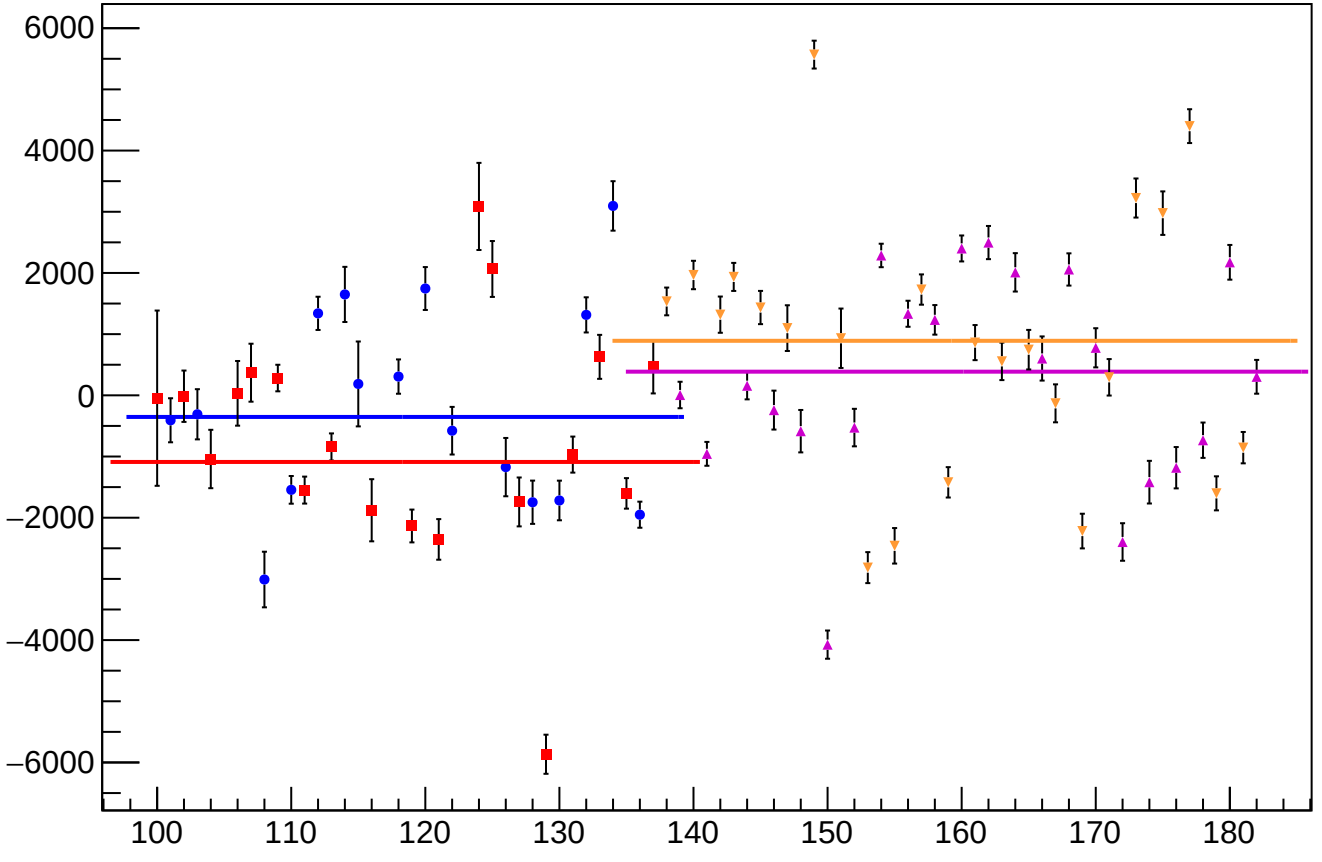
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 134.577+/-0.020 χ^2/NDF:3342911.8/37

Out: 130.837+/-0.019 χ^2/NDF:3395106.8/41

All: 132.632+/-0.014 χ^2/NDF: 6756343.3/79

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 891.141+/-57.915 χ^2/NDF:1436.6/22

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 386.656+/-55.486 χ^2/NDF:981.5/21

Left: 628.096+/-40.066 χ^2/NDF: 2457.7/44

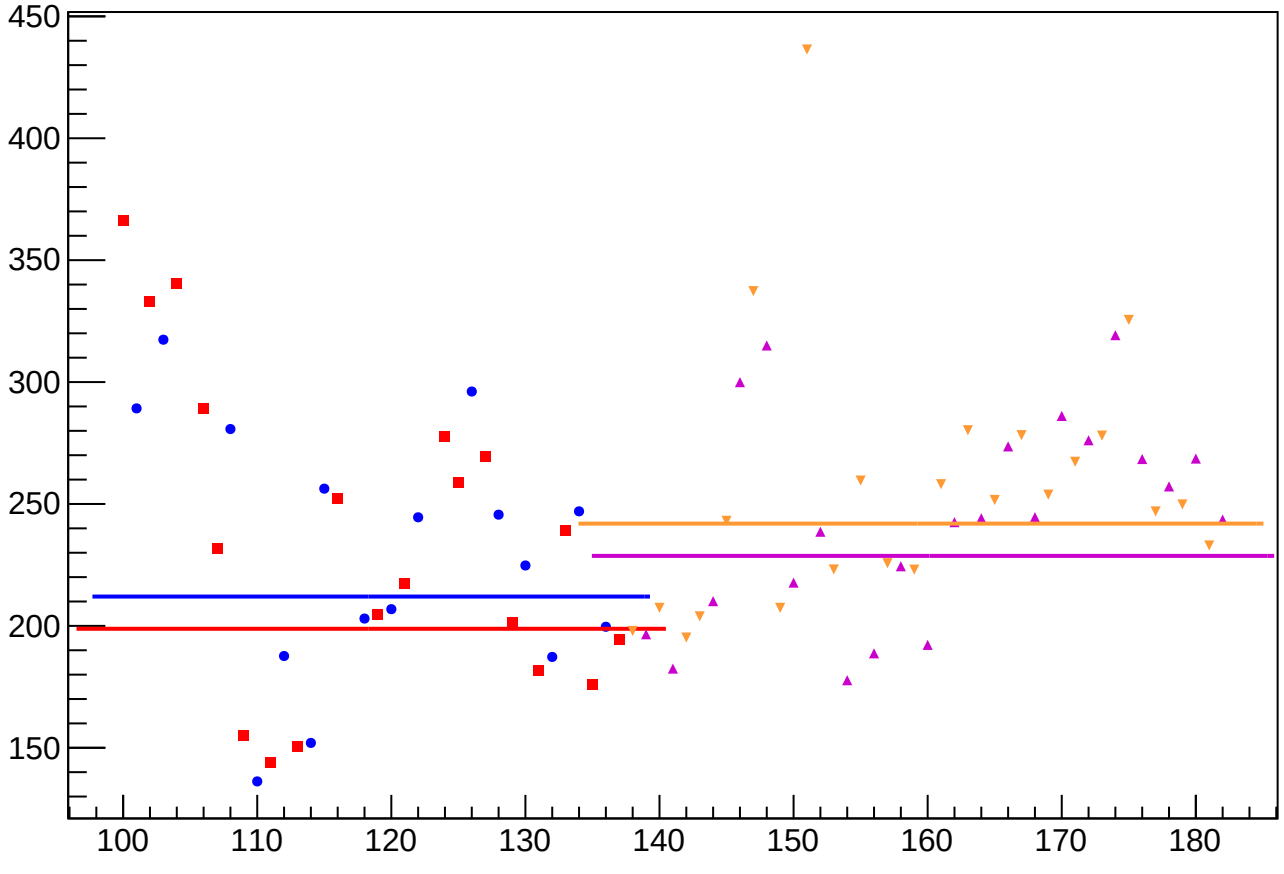
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 154.844+/-45.978 χ^2/NDF:1399.1/37

Out: 169.138+/-46.163 χ^2/NDF:2309.9/41

All: 161.962+/-32.576 χ^2/NDF: 3709.0/79

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 241.951+/-0.041 χ^2/NDF:985947.0/22

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 228.712+/-0.039 χ^2/NDF:1061041.5/21

Left: 235.048+/-0.028 χ^2/NDF: 2101487.1/44

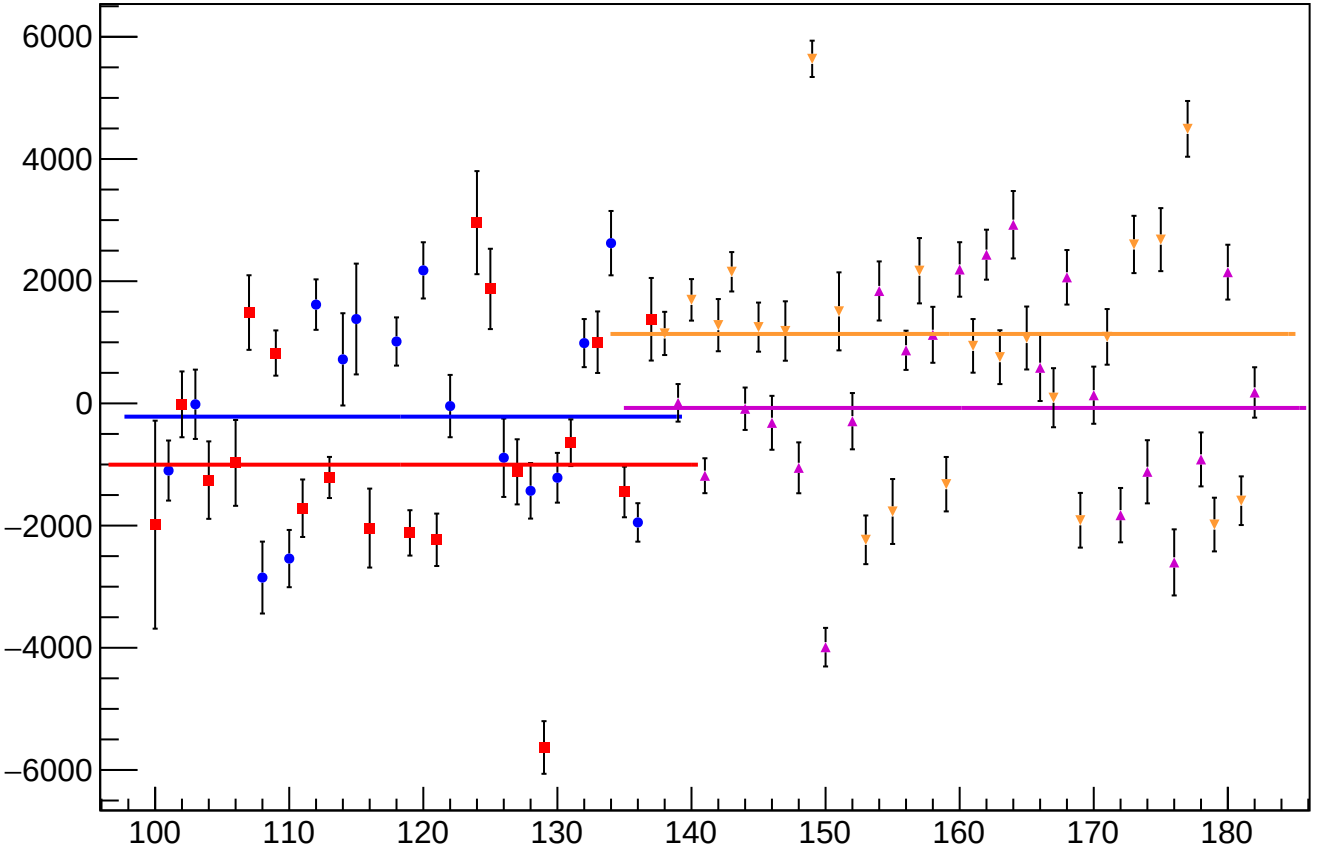
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 223.484+/-0.033 χ^2/NDF:1808063.6/37

Out: 226.219+/-0.033 χ^2/NDF:2365586.3/41

All: 224.846+/-0.023 χ^2/NDF: 4177174.8/79

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1136.759+/-88.699 χ^2/NDF:600.4/22

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -74.458+/-87.388 χ^2/NDF:393.7/21

Left: 522.131+/-62.251 χ^2/NDF: 1088.7/44

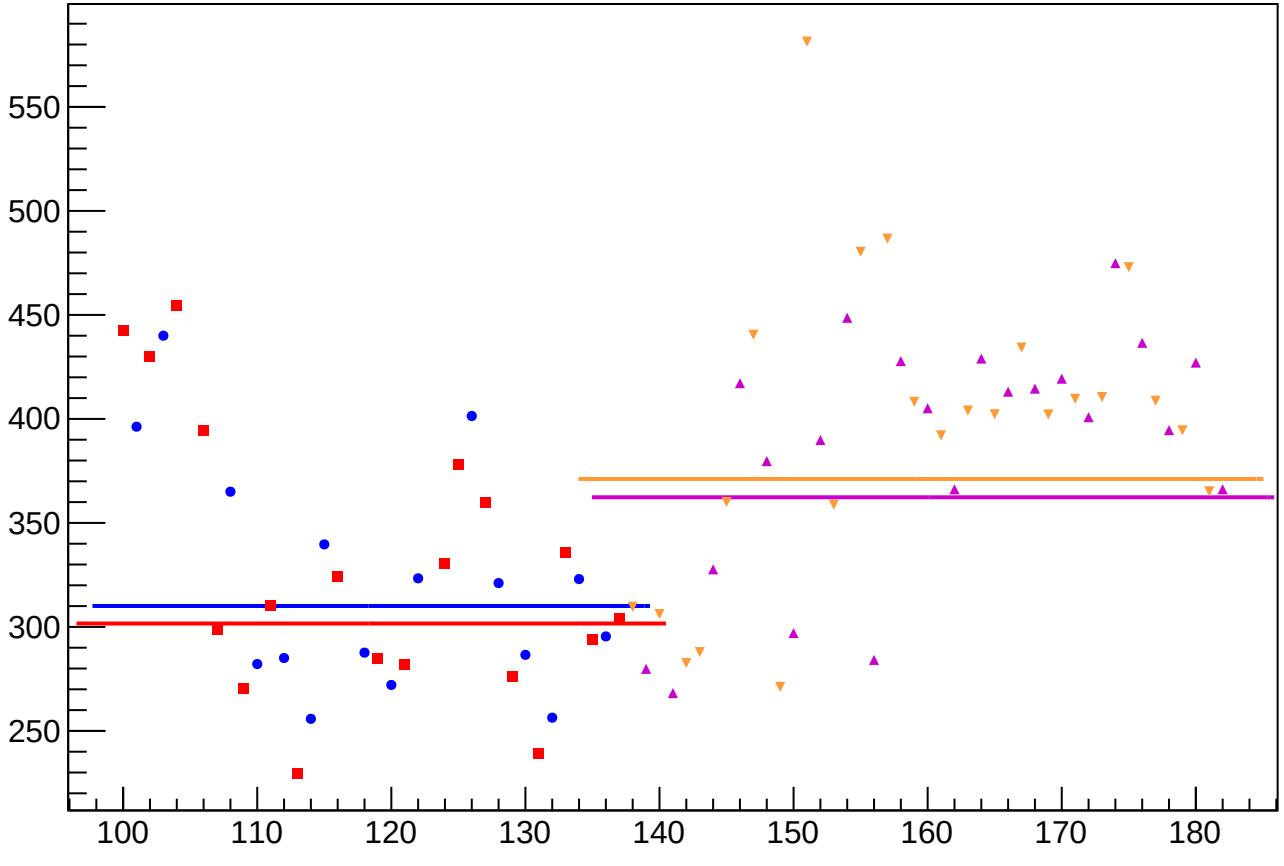
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -124.990+/-70.203 χ^2/NDF:586.8/37

Out: 321.957+/-69.798 χ^2/NDF:1076.3/41

All: 99.777+/-49.497 χ^2/NDF: 1683.5/79

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 371.133+/-0.063 χ^2/NDF:1224220.3/22

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 362.313+/-0.062 χ^2/NDF:1053383.3/21

Left: 366.657+/-0.044 χ^2/NDF: 2287638.4/44

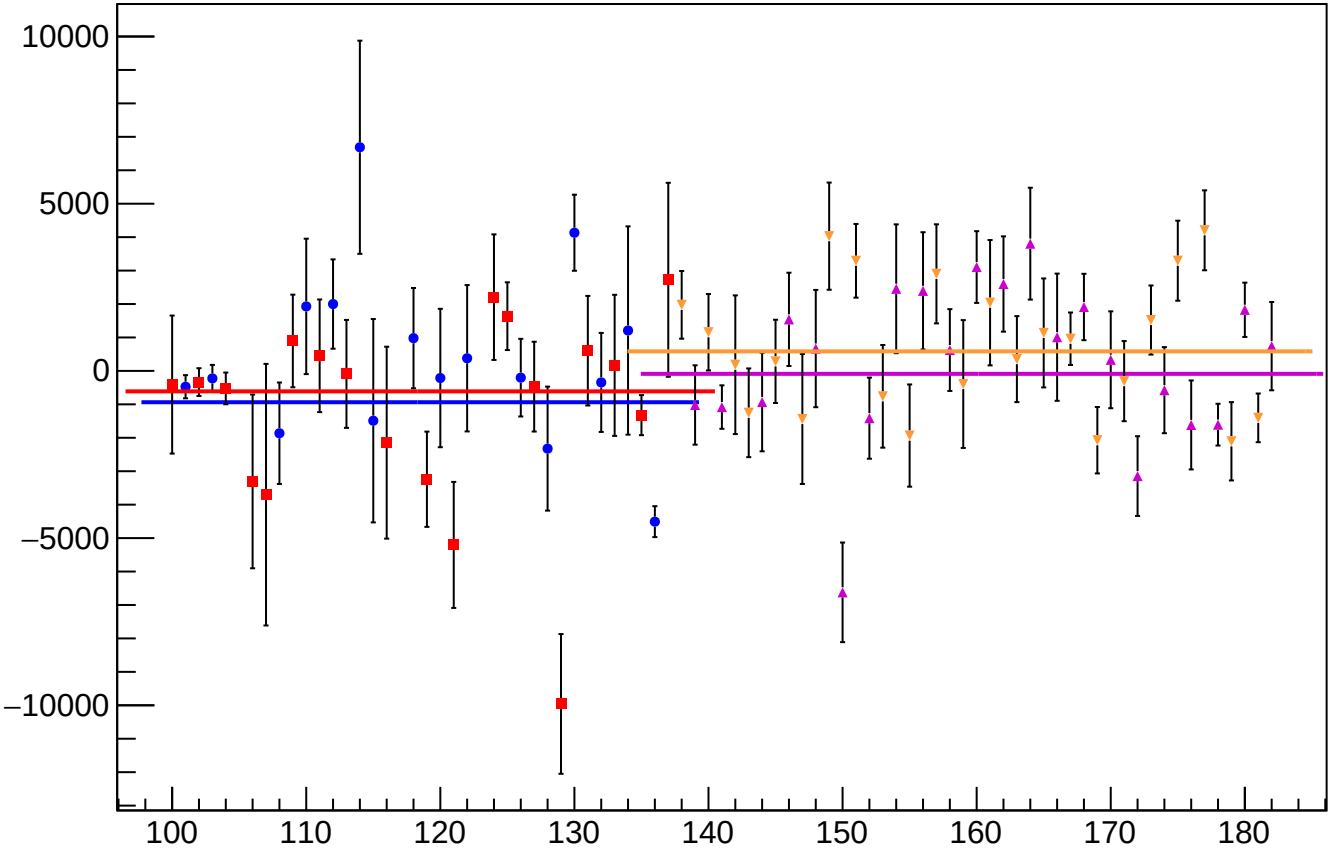
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 343.783+/-0.050 χ^2/NDF:1630235.2/37

Out: 344.670+/-0.049 χ^2/NDF:2211613.5/41

All: 344.229+/-0.035 χ^2/NDF: 3842009.4/79

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 584.940+/-251.566 χ^2/NDF:58.7/22

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -87.798+/-244.124 χ^2/NDF:71.6/21

Left: 238.473+/-175.193 χ^2/NDF: 133.9/44

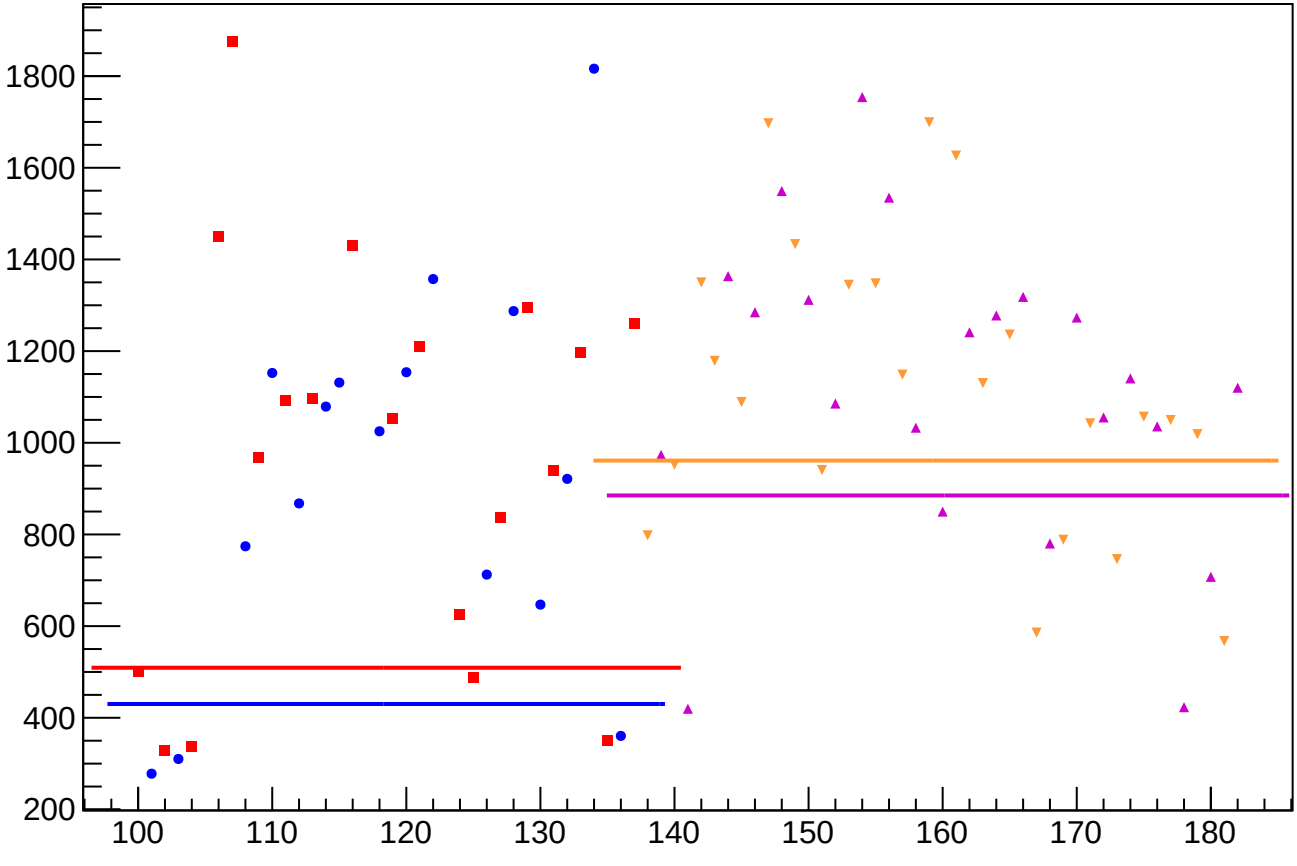
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -586.357+/-156.862 χ^2/NDF:179.9/37

Out: -58.776+/-171.000 χ^2/NDF:115.0/41

All: -345.273+/-115.594 χ^2/NDF: 300.0/79

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 961.186+/-0.178 χ^2/NDF:2813569.1/22

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 885.084+/-0.173 χ^2/NDF:4532699.6/21

Left: 921.993+/-0.124 χ^2/NDF: 7440531.3/44

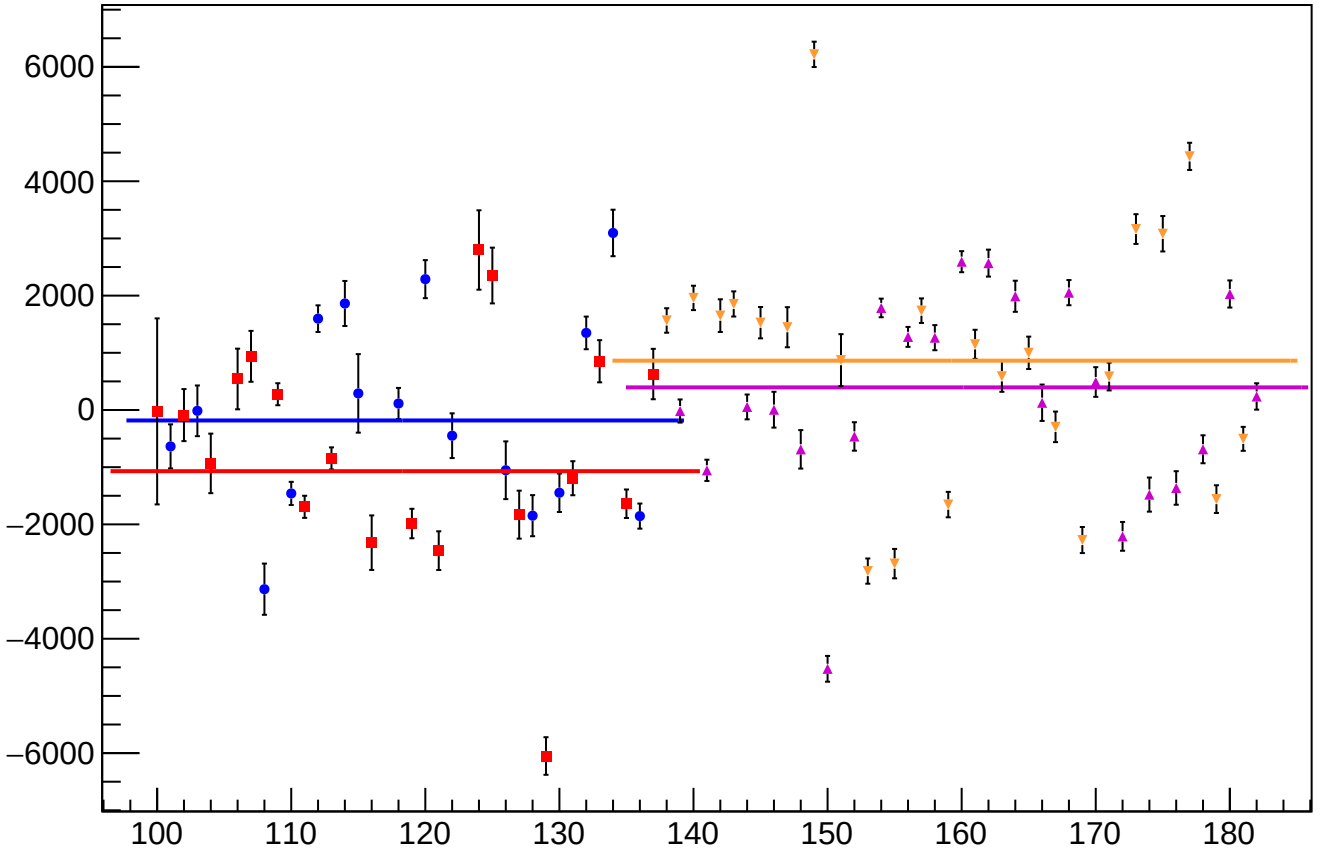
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 617.957+/-0.111 χ^2/NDF:12133187.2/37

Out: 718.060+/-0.121 χ^2/NDF:9959561.5/41

All: 663.700+/-0.082 χ^2/NDF: 22464932.6/79

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 862.596+/-51.618 χ^2/NDF:1979.6/22

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 395.239+/-48.844 χ^2/NDF:1250.5/21

Left: 616.023+/-35.478 χ^2/NDF: 3273.4/44

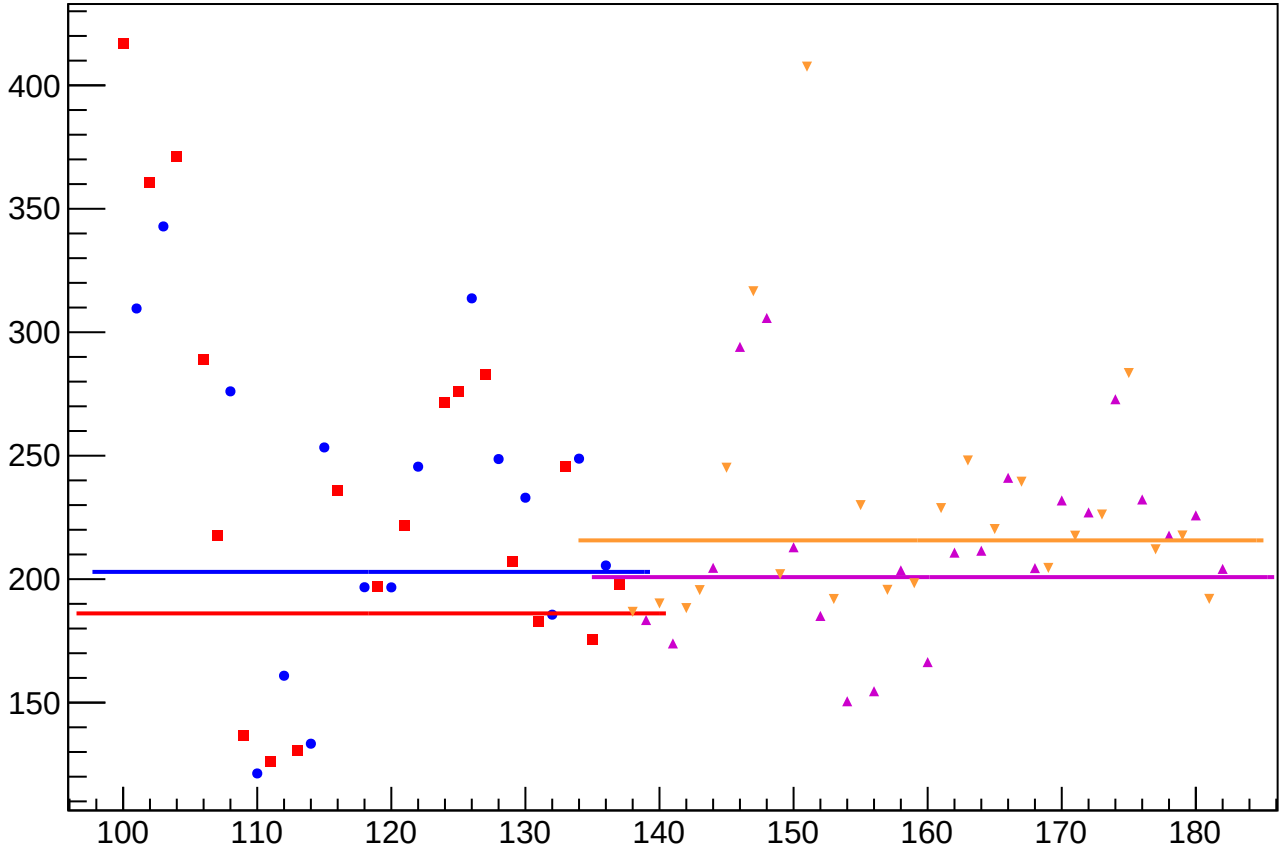
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 237.821+/-41.669 χ^2/NDF:1706.4/37

Out: 219.209+/-42.158 χ^2/NDF:2938.5/41

All: 228.624+/-29.636 χ^2/NDF: 4645.0/79

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 215.703+/-0.036 χ^2/NDF:892232.4/22

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 200.827+/-0.035 χ^2/NDF:1105413.1/21

Left: 207.855+/-0.025 χ^2/NDF: 2085292.5/44

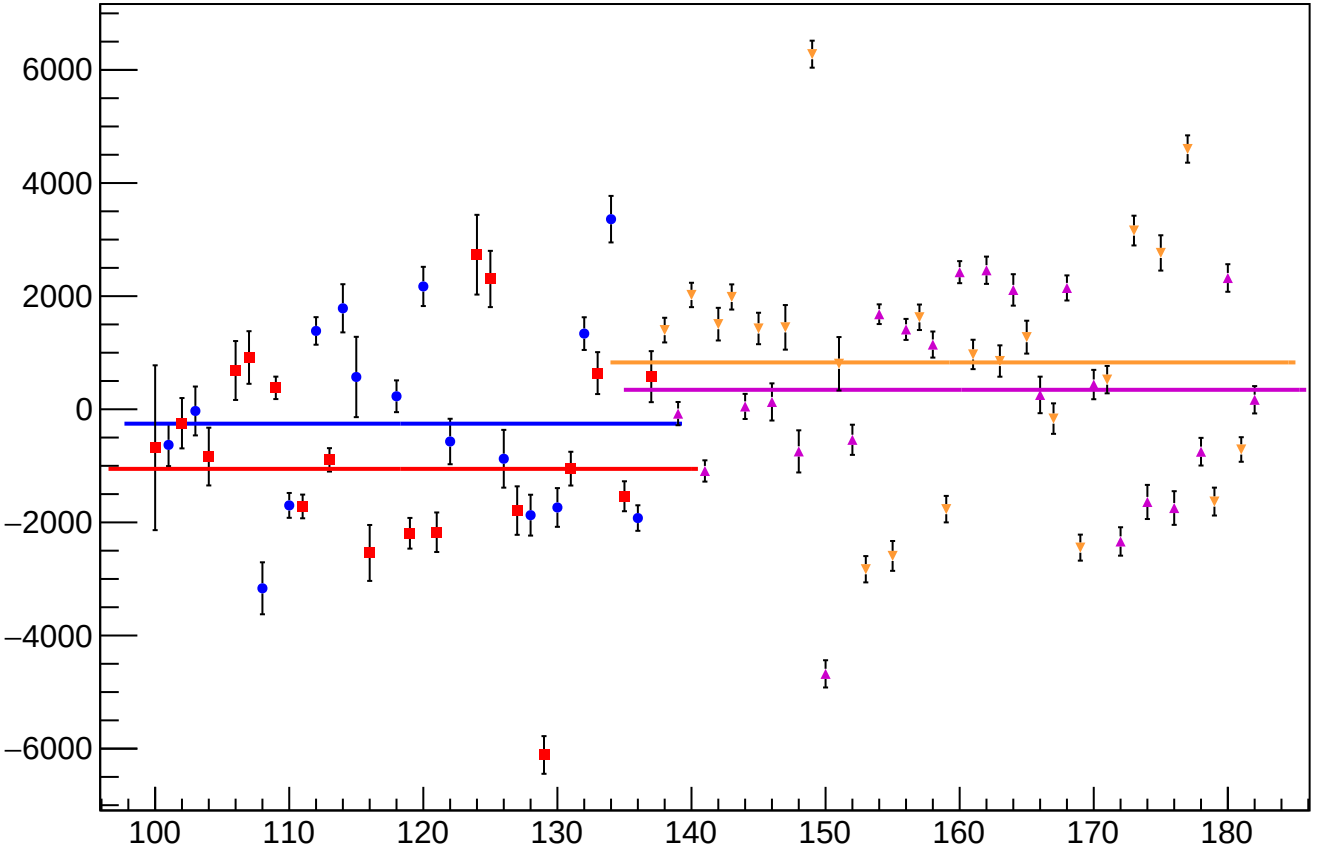
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 201.402+/-0.029 χ^2/NDF:2178292.7/37

Out: 205.856+/-0.030 χ^2/NDF:2592497.5/41

All: 203.603+/-0.021 χ^2/NDF: 4782082.4/79

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 828.392+/-53.022 χ^2/NDF:1879.4/22

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 344.200+/-50.595 χ^2/NDF:1212.3/21

Left: 574.958+/-36.604 χ^2/NDF: 3135.3/44

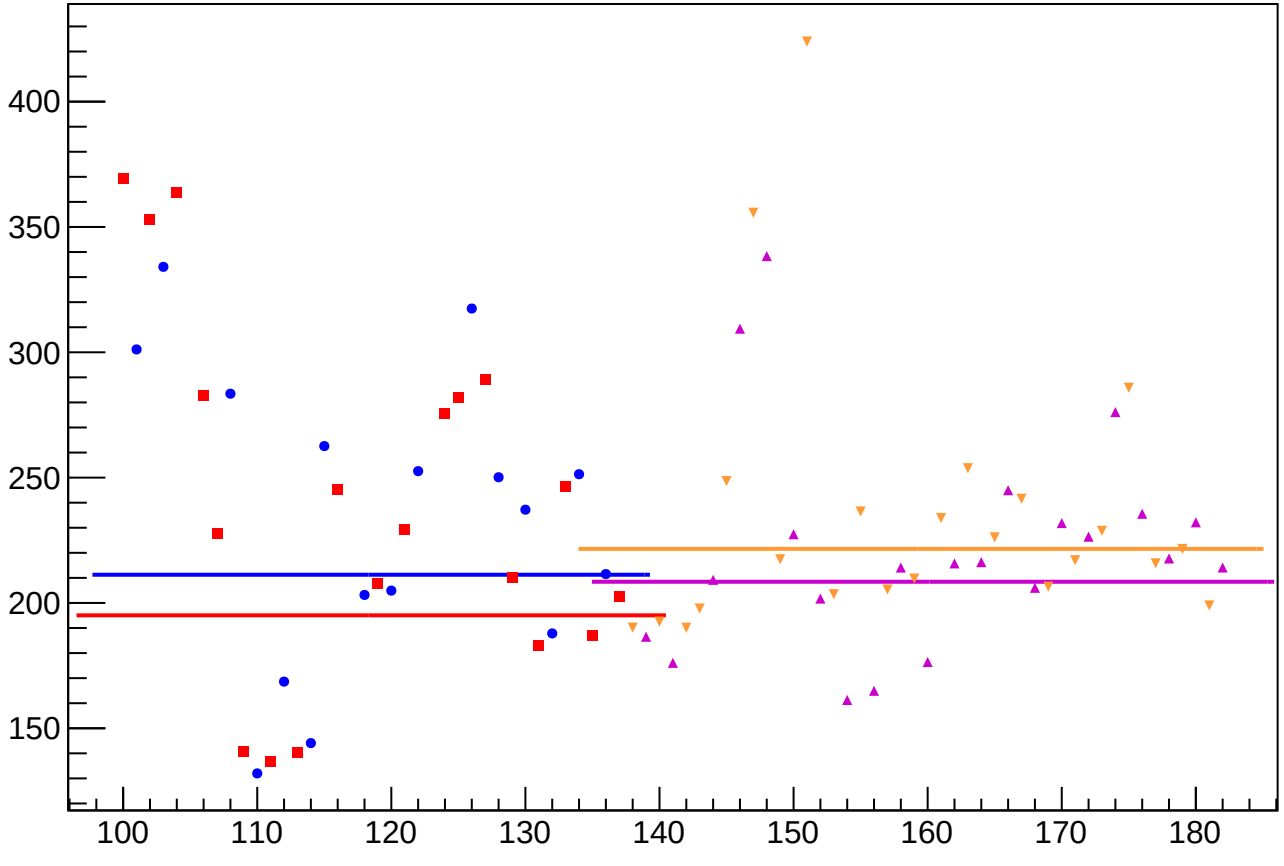
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 180.549+/-43.128 χ^2/NDF:1659.8/37

Out: 211.882+/-43.479 χ^2/NDF:2769.8/41

All: 196.089+/-30.620 χ^2/NDF: 4429.9/79

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 221.576+/-0.037 χ^2/NDF:937678.9/22

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 208.454+/-0.036 χ^2/NDF:1035121.5/21

Left: 214.708+/-0.026 χ^2/NDF: 2036918.5/44

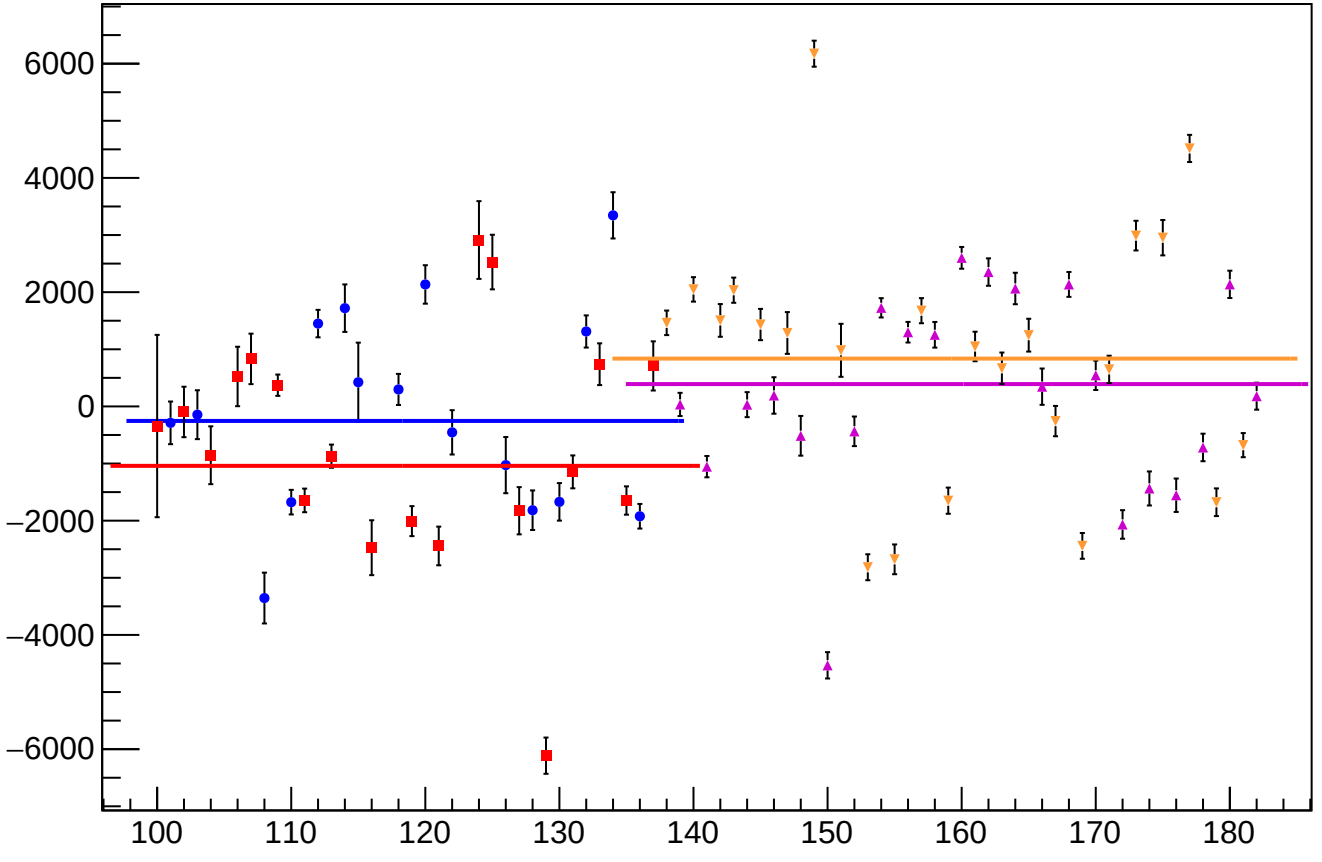
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 209.219+/-0.030 χ^2/NDF:1921158.8/37

Out: 212.891+/-0.031 χ^2/NDF:2386390.5/41

All: 211.040+/-0.022 χ^2/NDF: 4314738.3/79

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 837.276+/-52.075 χ^2/NDF:1948.9/22

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 390.981+/-49.577 χ^2/NDF:1197.9/21

Left: 603.170+/-35.907 χ^2/NDF: 3185.3/44

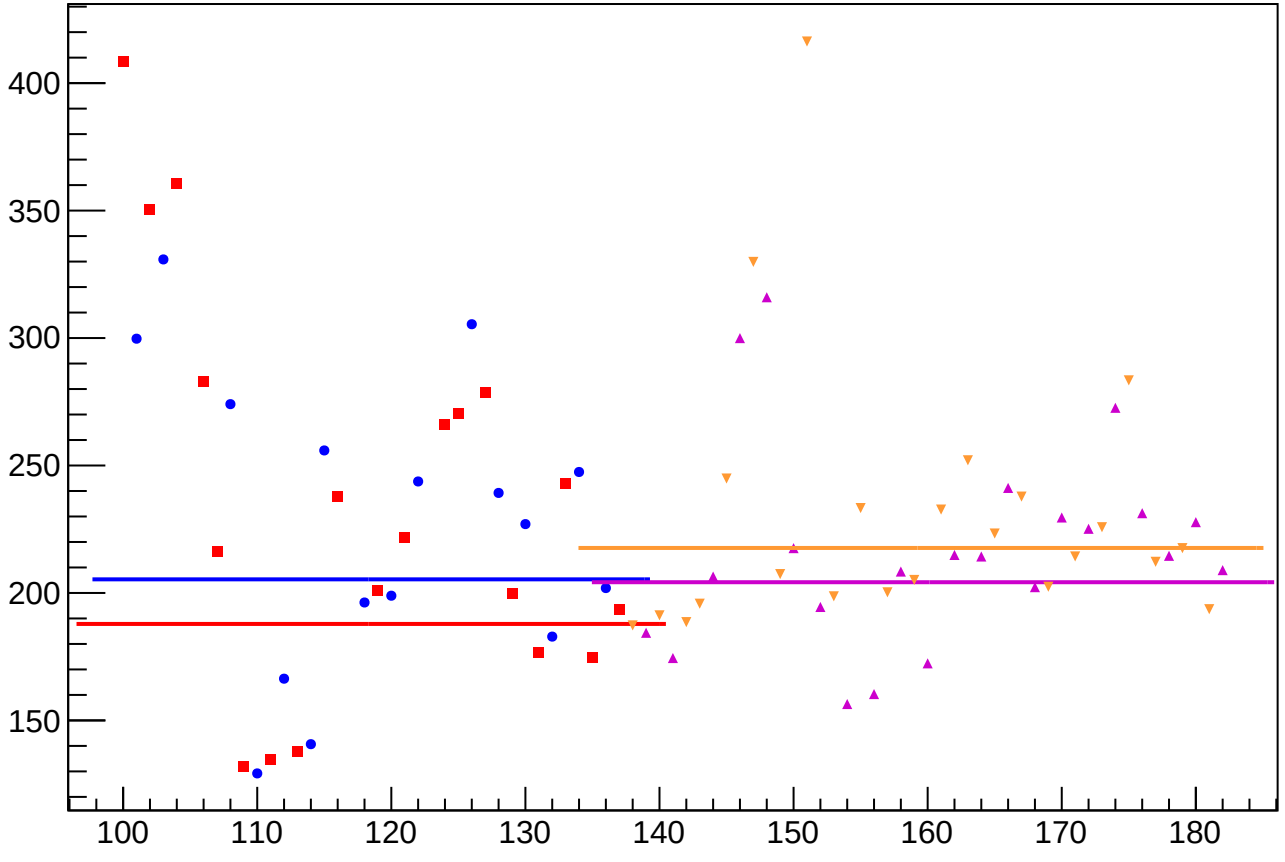
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 212.717+/-42.173 χ^2/NDF:1676.7/37

Out: 208.196+/-42.464 χ^2/NDF:2917.9/41

All: 210.472+/-29.923 χ^2/NDF: 4594.6/79

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 217.656+/-0.037 χ^2/NDF:908139.5/22

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 204.214+/-0.035 χ^2/NDF:1014599.0/21

Left: 210.605+/-0.025 χ^2/NDF: 1992640.4/44

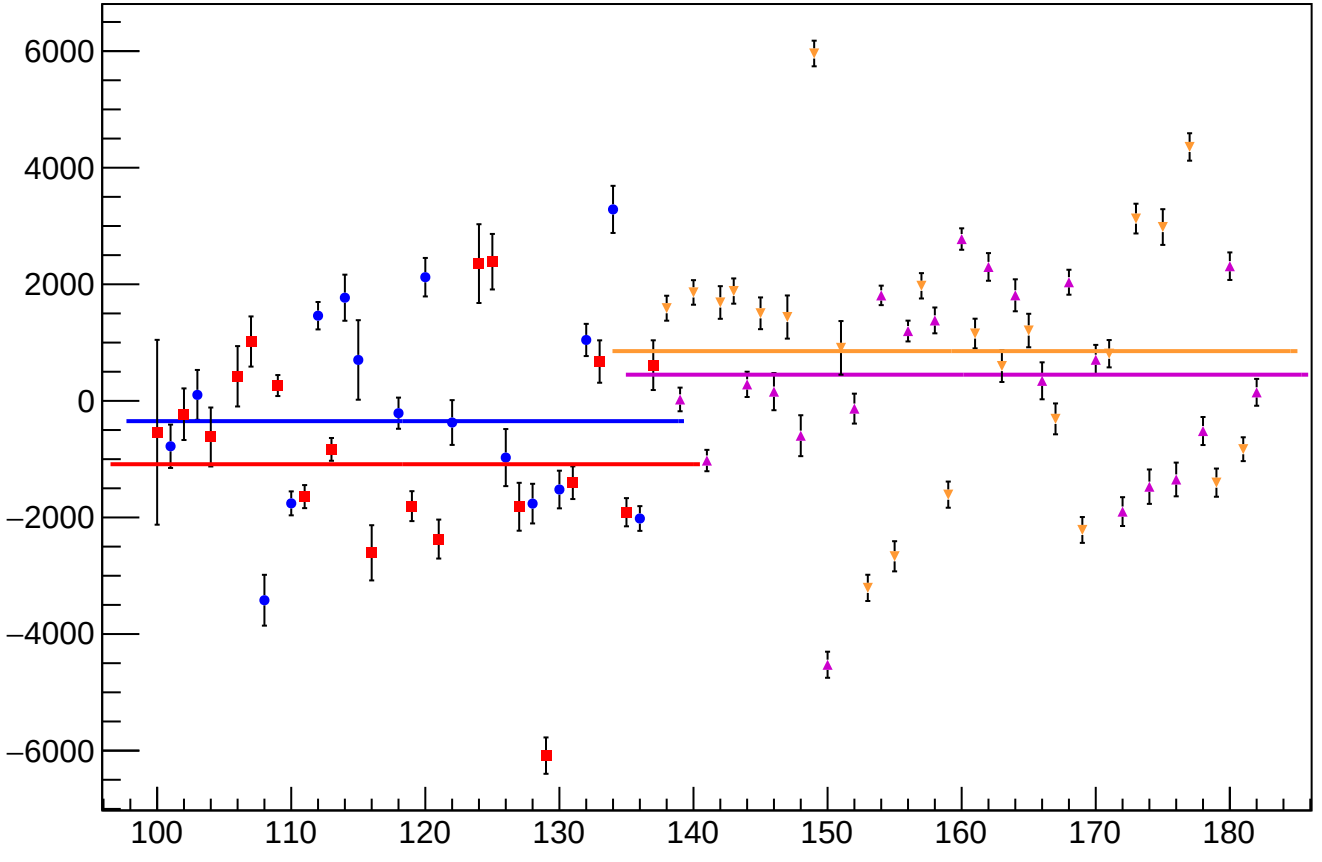
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 204.526+/-0.030 χ^2/NDF:1892283.1/37

Out: 207.670+/-0.030 χ^2/NDF:2464742.2/41

All: 206.087+/-0.021 χ^2/NDF: 4362543.4/79

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 853.548+/-51.369 χ^2/NDF:1989.2/22

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 449.323+/-48.932 χ^2/NDF:1232.5/21

Left: 641.618+/-35.430 χ^2/NDF: 3254.2/44

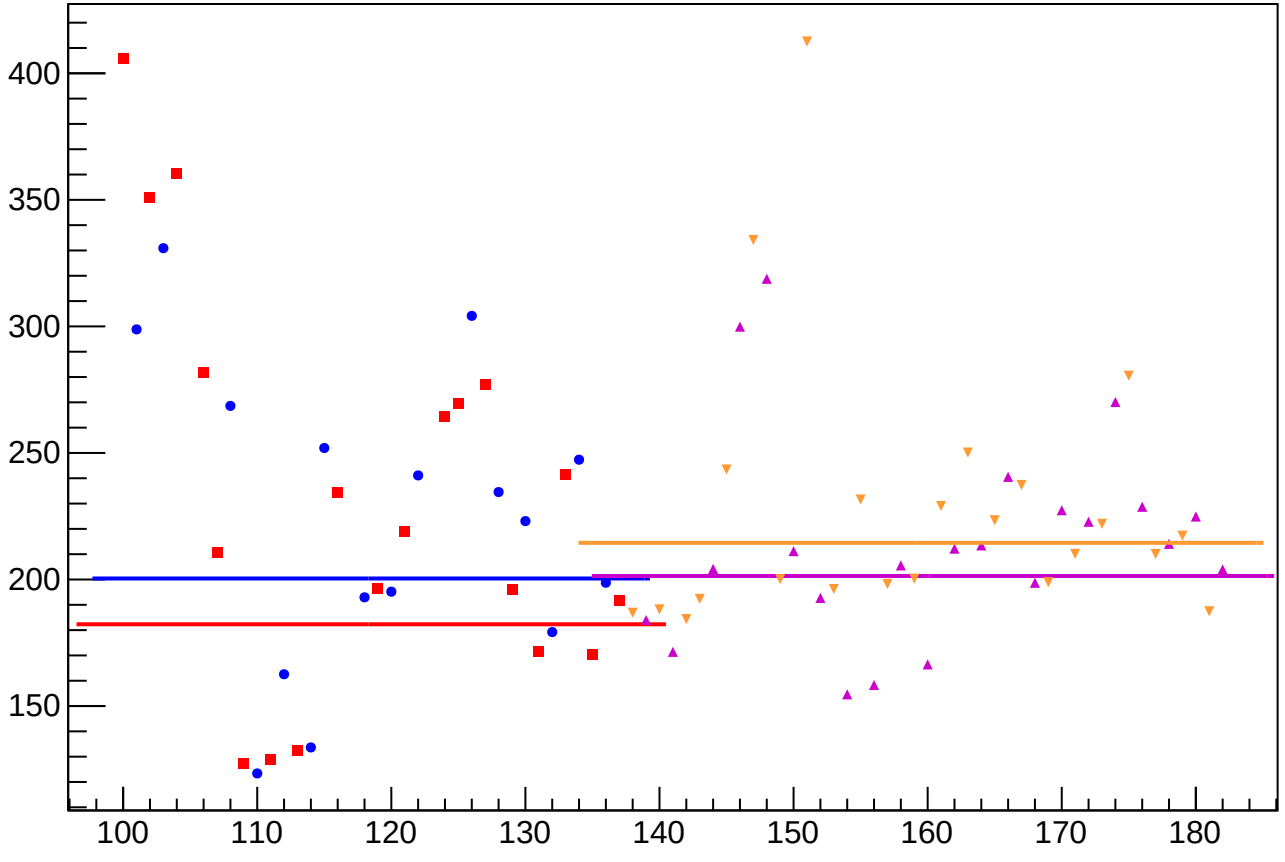
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 226.583+/-41.535 χ^2/NDF:1752.5/37

Out: 193.498+/-41.726 χ^2/NDF:3001.7/41

All: 210.117+/-29.437 χ^2/NDF: 4754.5/79

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 214.493+/-0.036 χ^2/NDF:958464.9/22

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 201.382+/-0.035 χ^2/NDF:1061764.6/21

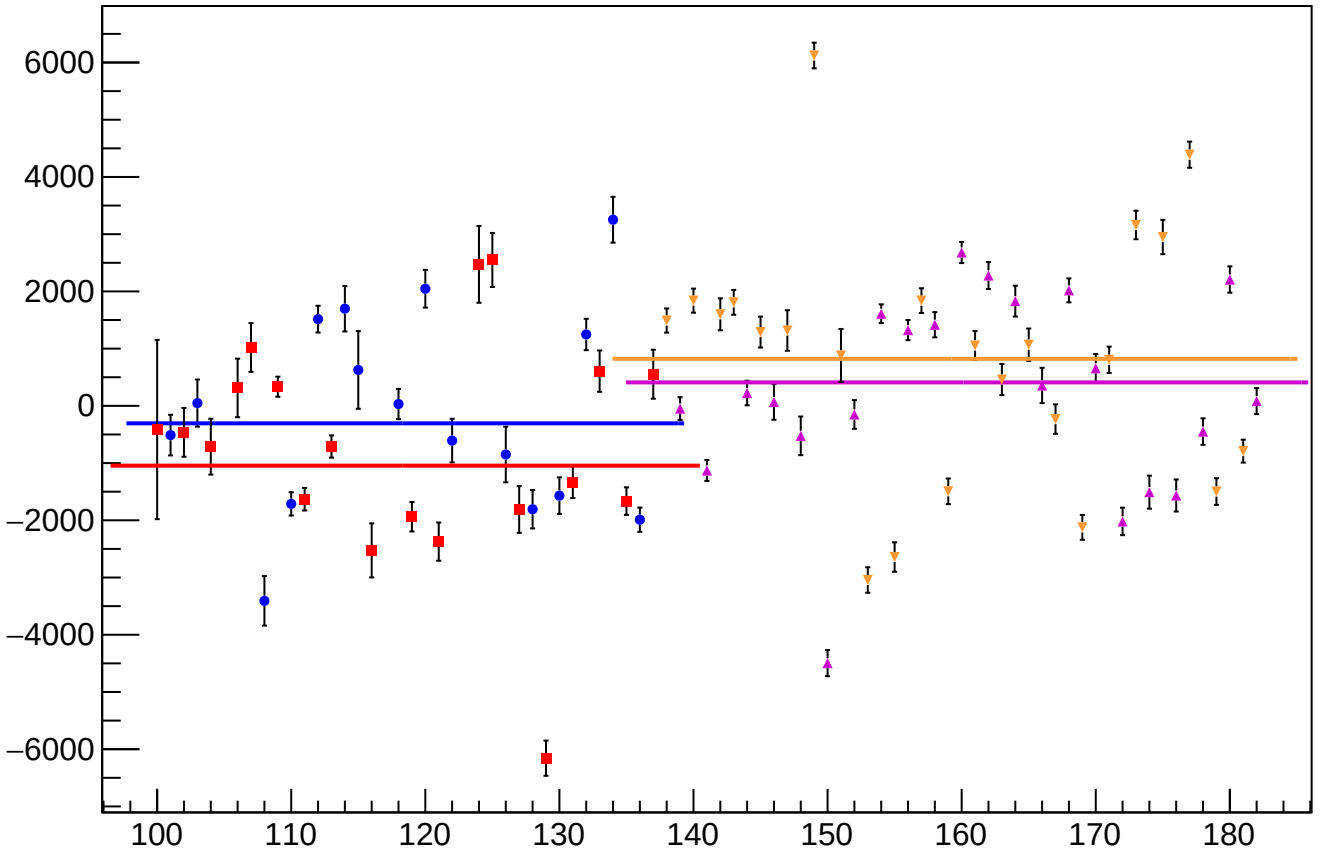
Left: 207.619+/-0.025 χ^2/NDF: 2088538.2/44

Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 201.107+/-0.029 χ^2/NDF:2020991.2/37

Out: 203.542+/-0.030 χ^2/NDF:2672868.5/41

All: 202.319+/-0.021 χ^2/NDF: 4697279.0/79



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 822.243+/-50.716 χ^2/NDF:1989.0/22

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 409.789+/-48.194 χ^2/NDF:1229.2/21

Left: 605.507+/-34.936 χ^2/NDF: 3253.0/44

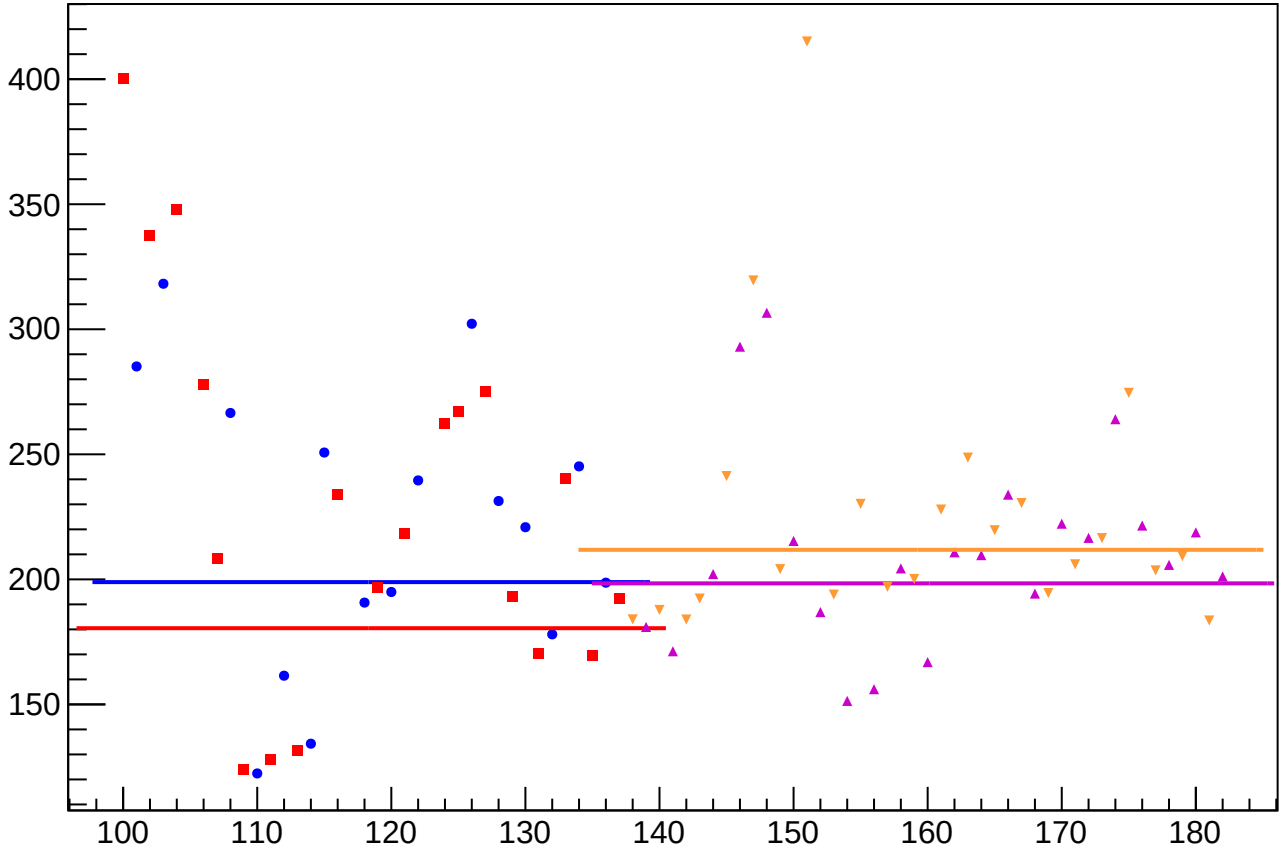
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 211.637+/-40.980 χ^2/NDF:1742.1/37

Out: 189.260+/-41.234 χ^2/NDF:3000.7/41

All: 200.518+/-29.067 χ^2/NDF: 4742.9/79

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 211.819+/-0.036 χ^2/NDF:933585.2/22

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 198.404+/-0.034 χ^2/NDF:1005658.5/21

Left: 204.770+/-0.025 χ^2/NDF: 2012766.6/44

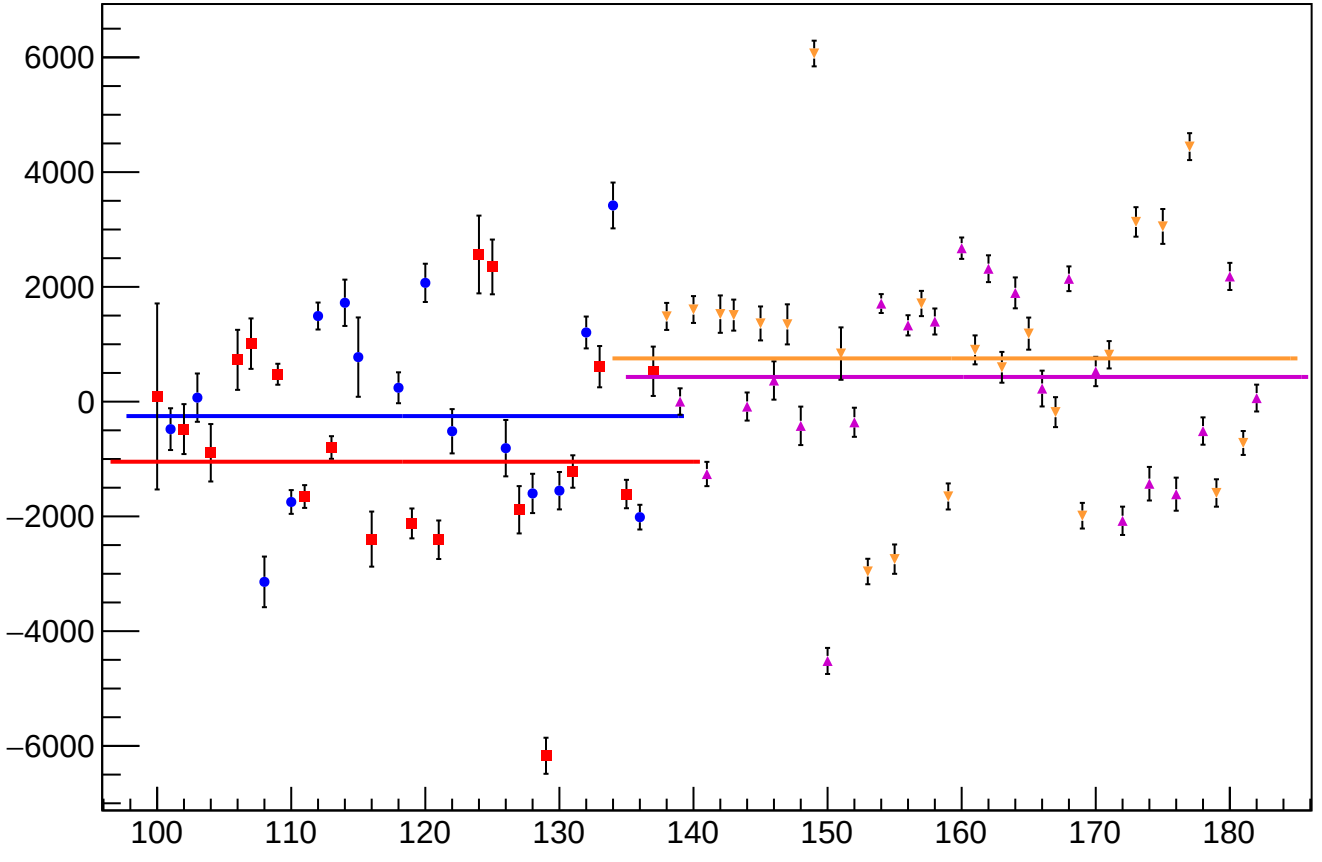
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 198.542+/-0.029 χ^2/NDF:1918482.6/37

Out: 201.193+/-0.029 χ^2/NDF:2626996.1/41

All: 199.860+/-0.021 χ^2/NDF: 4549637.5/79

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 753.665+/-52.802 χ^2/NDF:1908.1/22

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 430.236+/-49.934 χ^2/NDF:1237.6/21

Left: 582.929+/-36.280 χ^2/NDF: 3165.6/44

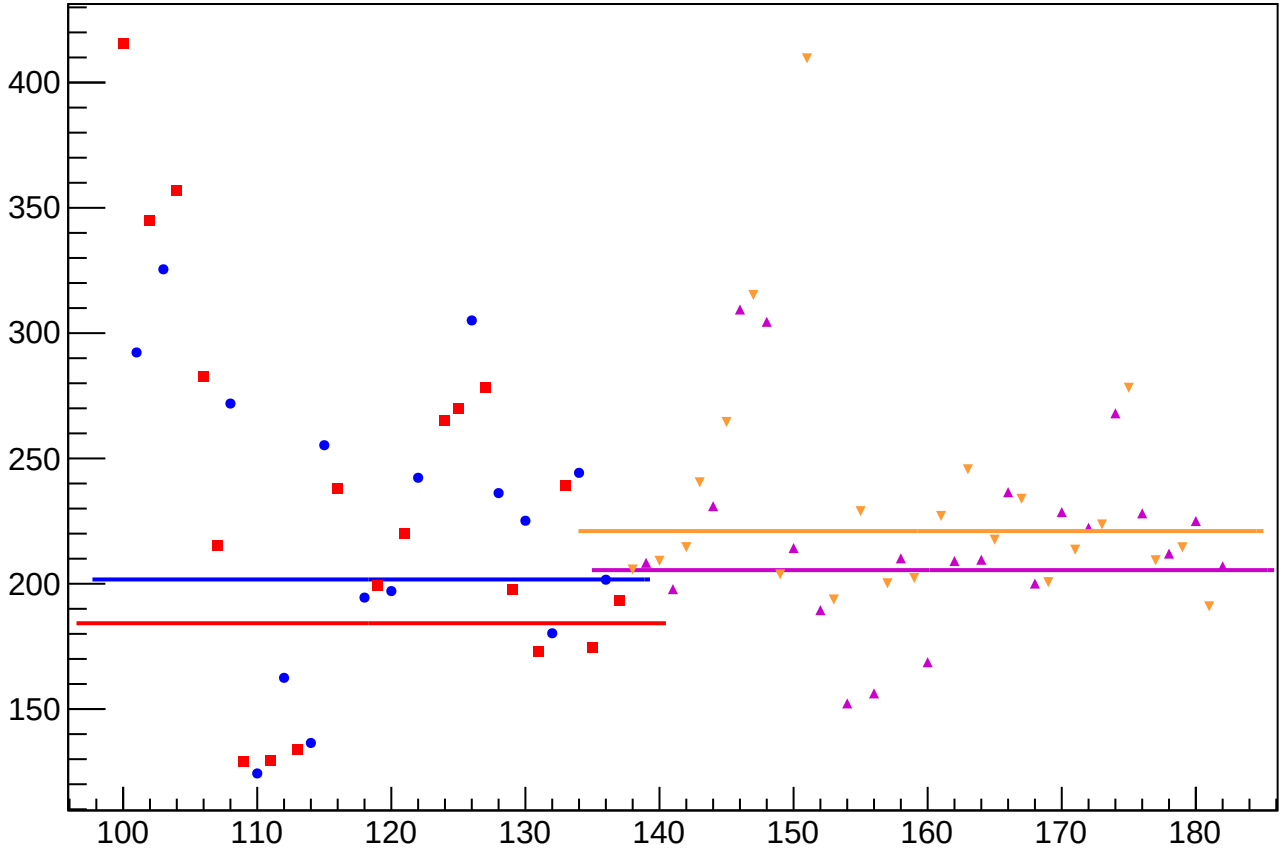
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 235.444+/-42.205 χ^2/NDF:1732.2/37

Out: 126.029+/-42.619 χ^2/NDF:2860.2/41

All: 181.270+/-29.989 χ^2/NDF: 4595.7/79

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 221.019+/-0.037 χ^2/NDF:791004.5/22

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 205.442+/-0.035 χ^2/NDF:1013890.9/21

Left: 212.796+/-0.026 χ^2/NDF: 1896776.9/44

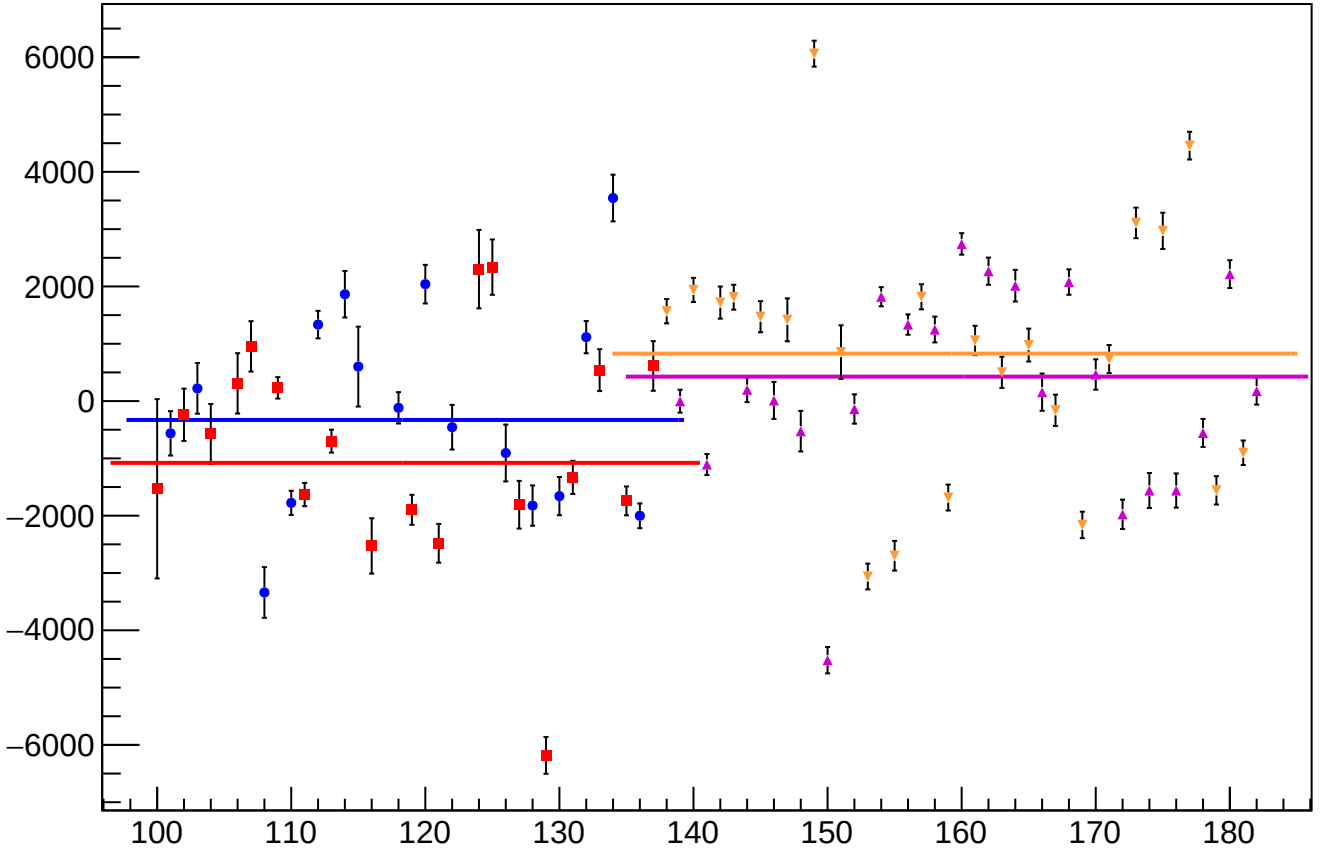
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 204.377+/-0.030 χ^2/NDF:1941286.5/37

Out: 208.202+/-0.030 χ^2/NDF:2532897.2/41

All: 206.271+/-0.021 χ^2/NDF: 4482314.5/79

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 828.079+/-52.158 χ^2/NDF:1926.2/22

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 426.623+/-49.550 χ^2/NDF:1209.4/21

Left: 617.063+/-35.924 χ^2/NDF: 3166.8/44

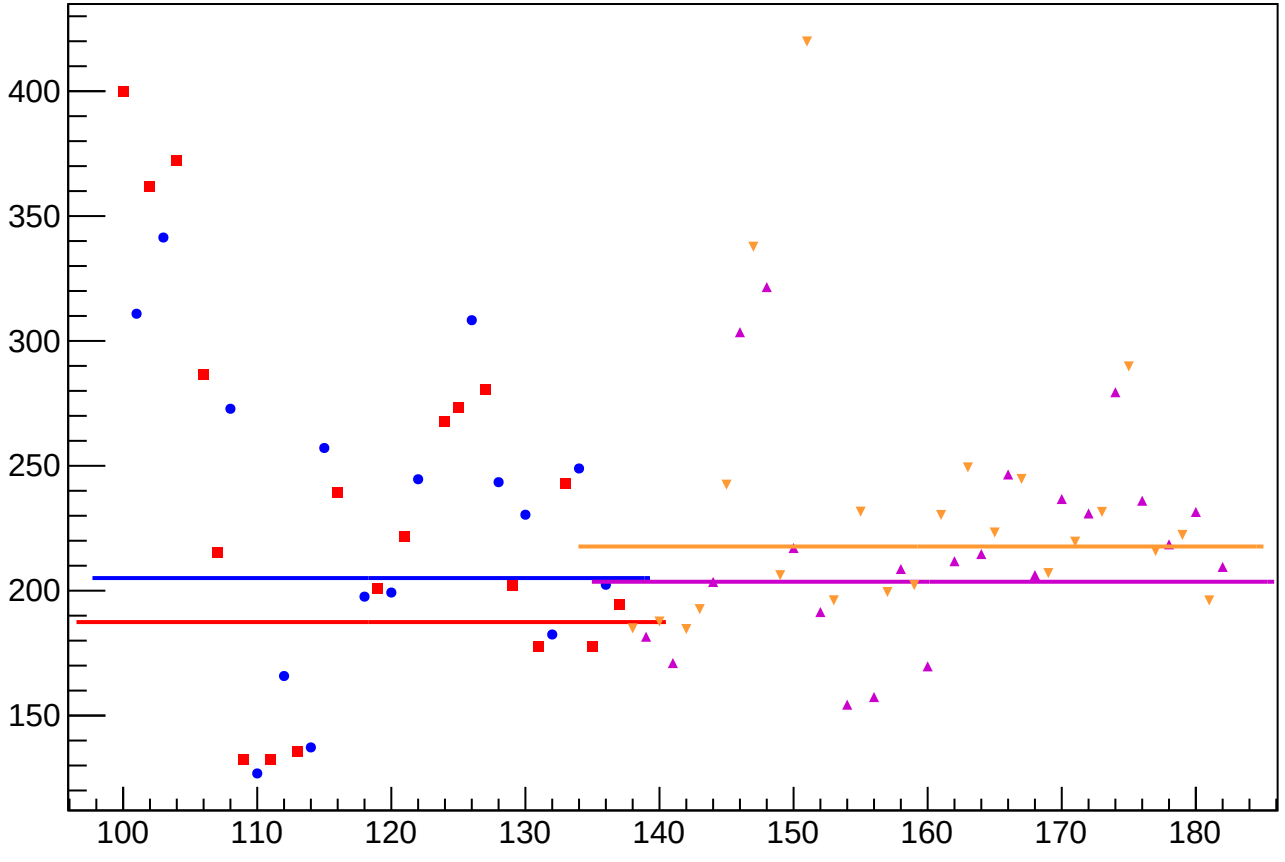
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 218.397+/-42.178 χ^2/NDF:1710.0/37

Out: 188.625+/-42.518 χ^2/NDF:2876.2/41

All: 203.630+/-29.944 χ^2/NDF: 4586.4/79

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 217.693+/-0.037 χ^2/NDF:978078.8/22

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 203.579+/-0.035 χ^2/NDF:1165001.7/21

Left: 210.274+/-0.025 χ^2/NDF: 2220053.3/44

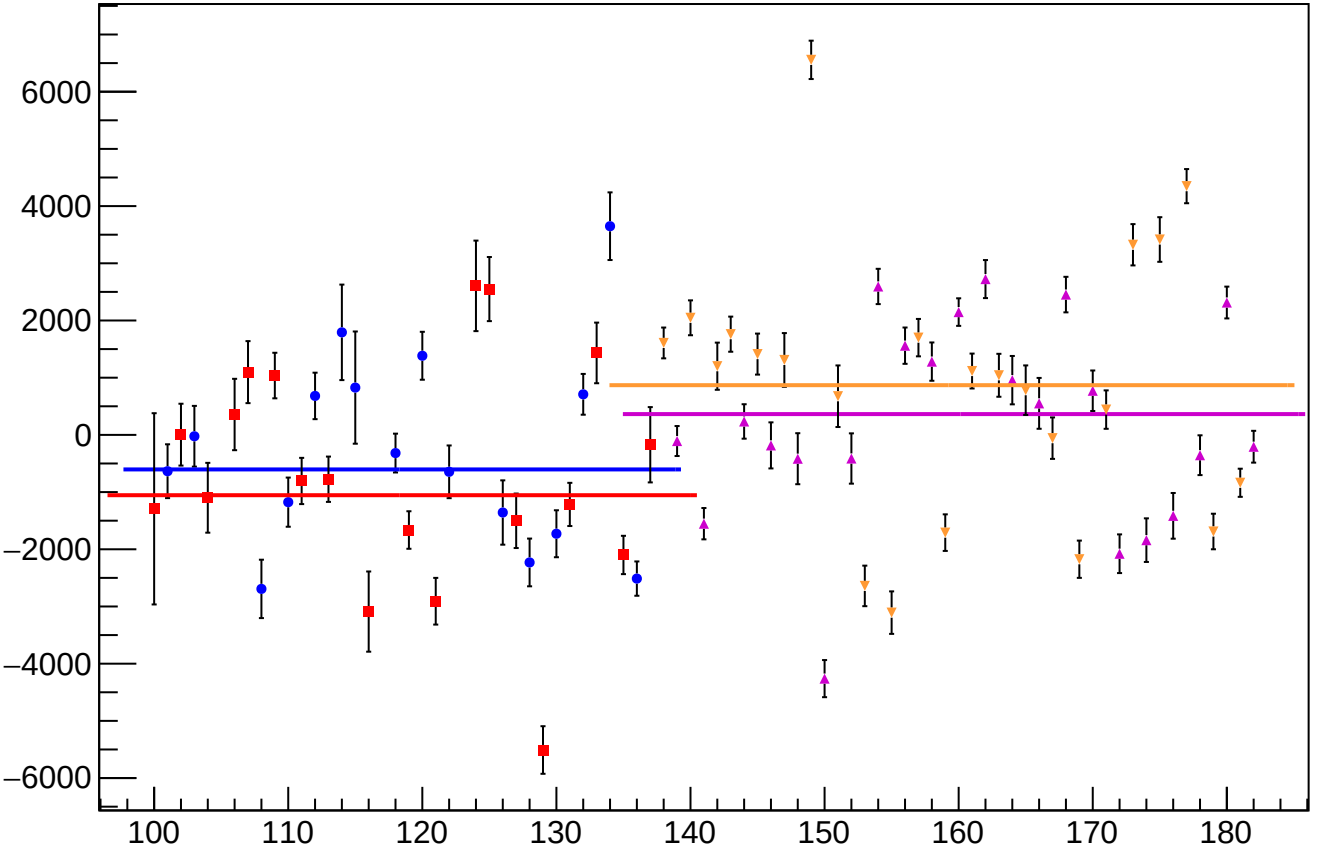
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 203.985+/-0.030 χ^2/NDF:2128541.1/37

Out: 207.540+/-0.030 χ^2/NDF:2614751.5/41

All: 205.748+/-0.021 χ^2/NDF: 4750339.2/79

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 869.098+/-70.462 χ^2/NDF:1043.1/22

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 363.609+/-69.772 χ^2/NDF:654.4/21

Left: 613.868+/-49.578 χ^2/NDF: 1723.5/44

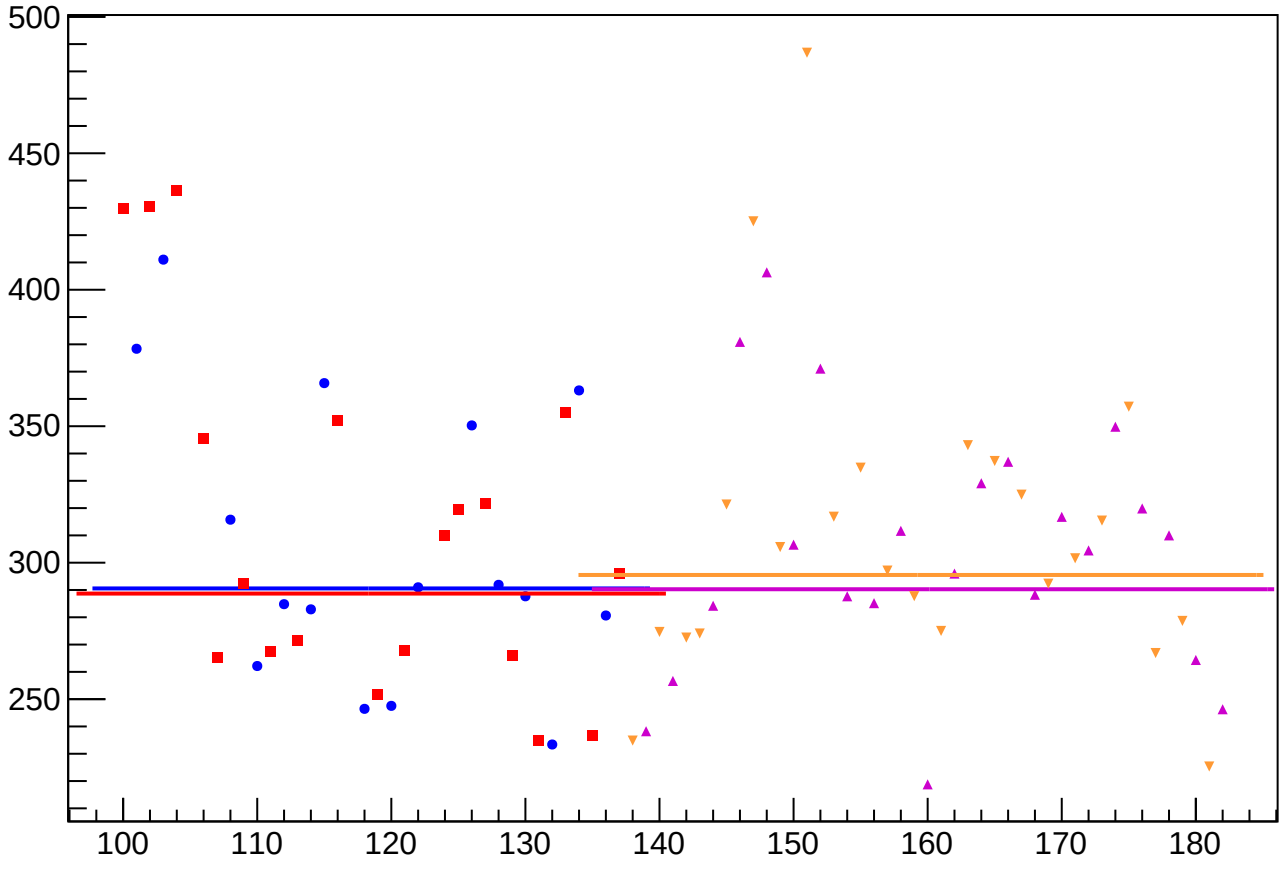
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 88.523+/-59.025 χ^2/NDF:902.6/37

Out: 296.719+/-59.056 χ^2/NDF:1562.6/41

All: 192.567+/-41.748 χ^2/NDF: 2471.4/79

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 295.503+/-0.050 χ^2/NDF:891380.9/22

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 290.273+/-0.049 χ^2/NDF:791997.1/21

Left: 292.862+/-0.035 χ^2/NDF: 1688940.2/44

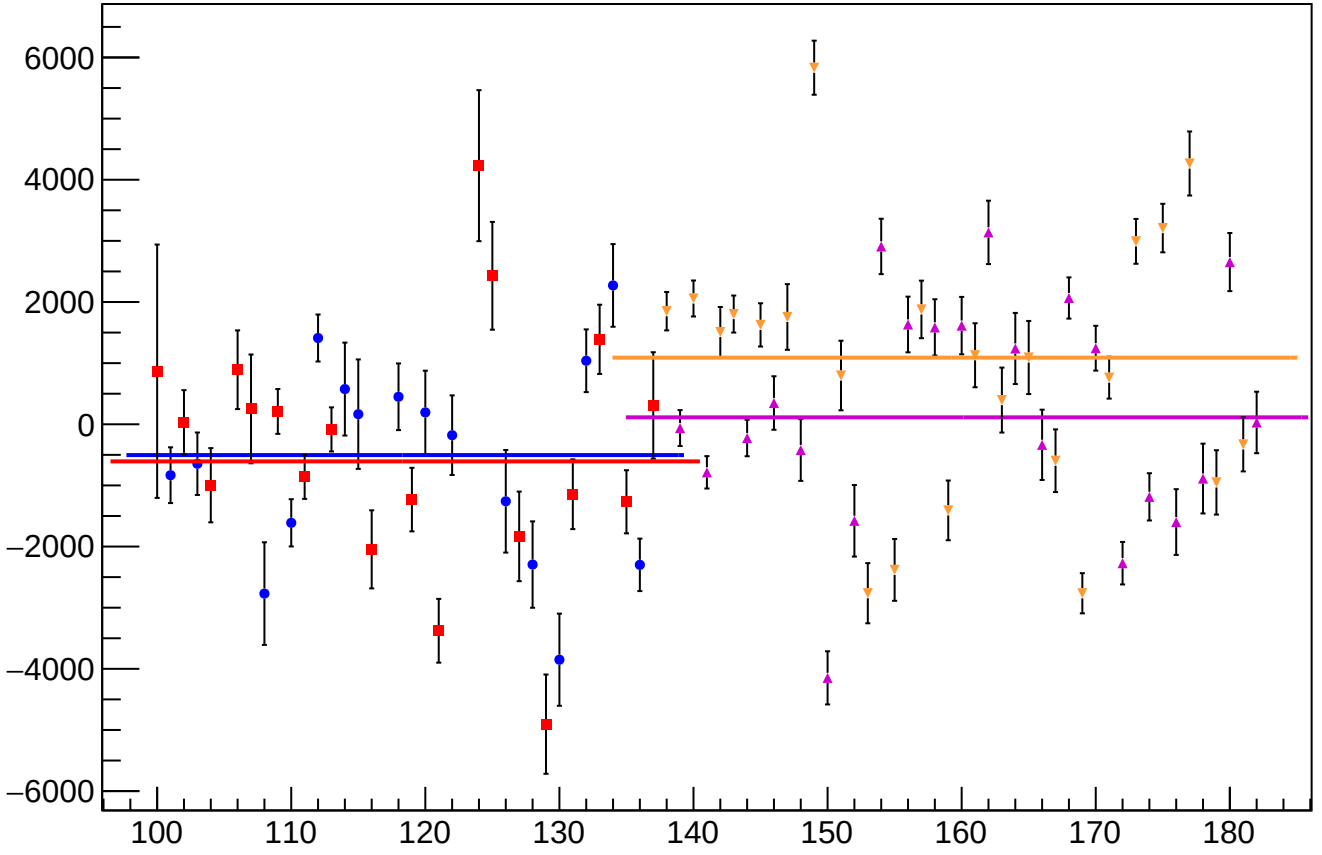
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 290.357+/-0.042 χ^2/NDF:1151814.3/37

Out: 293.474+/-0.042 χ^2/NDF:1386045.7/41

All: 291.915+/-0.030 χ^2/NDF: 2540648.6/79

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1090.203+/-86.809 χ^2/NDF:548.4/22

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 113.401+/-87.970 χ^2/NDF:370.2/21

Left: 608.291+/-61.790 χ^2/NDF: 981.1/44

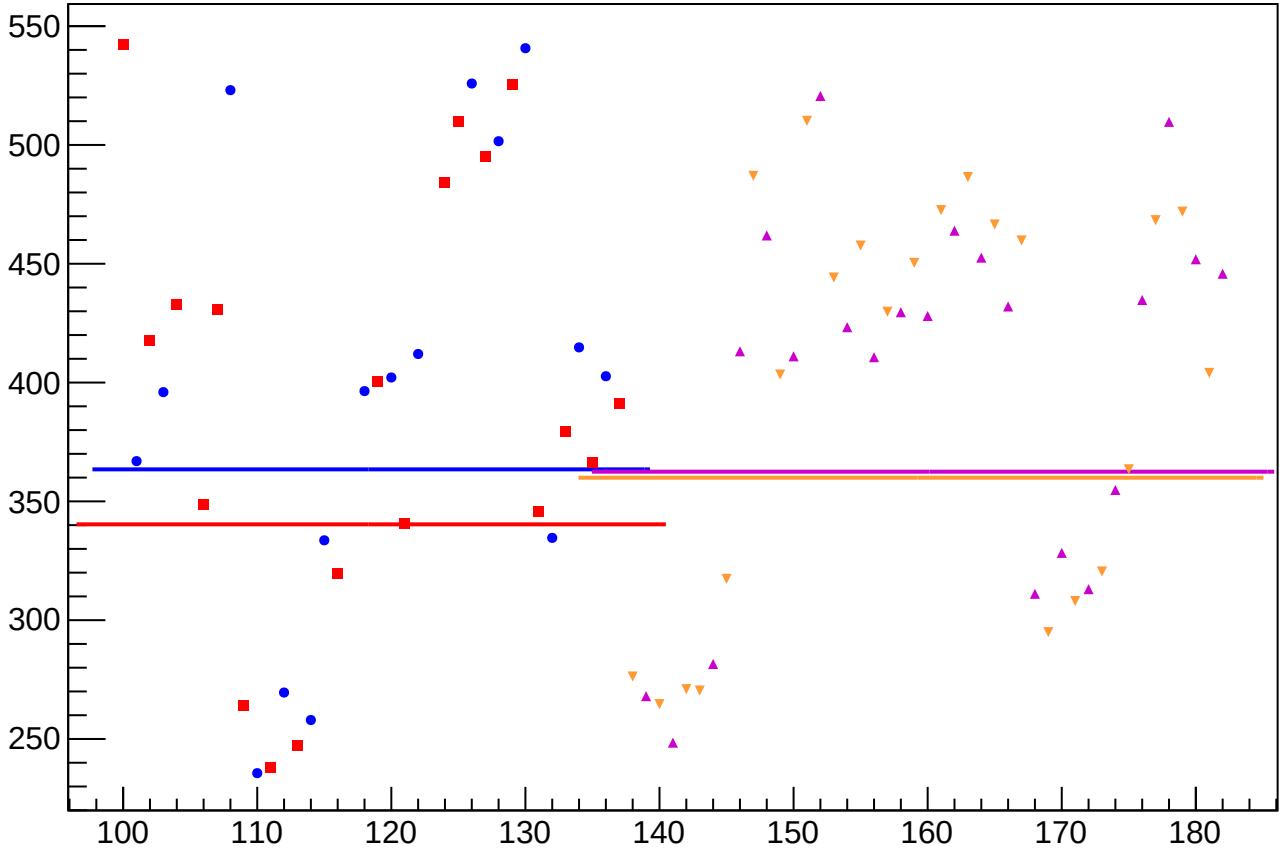
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -61.170+/-74.495 χ^2/NDF:502.4/37

Out: 564.651+/-72.126 χ^2/NDF:791.9/41

All: 261.849+/-51.818 χ^2/NDF: 1330.7/79

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 359.961+/-0.061 χ^2/NDF:1855613.4/22

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 362.490+/-0.062 χ^2/NDF:1693609.6/21

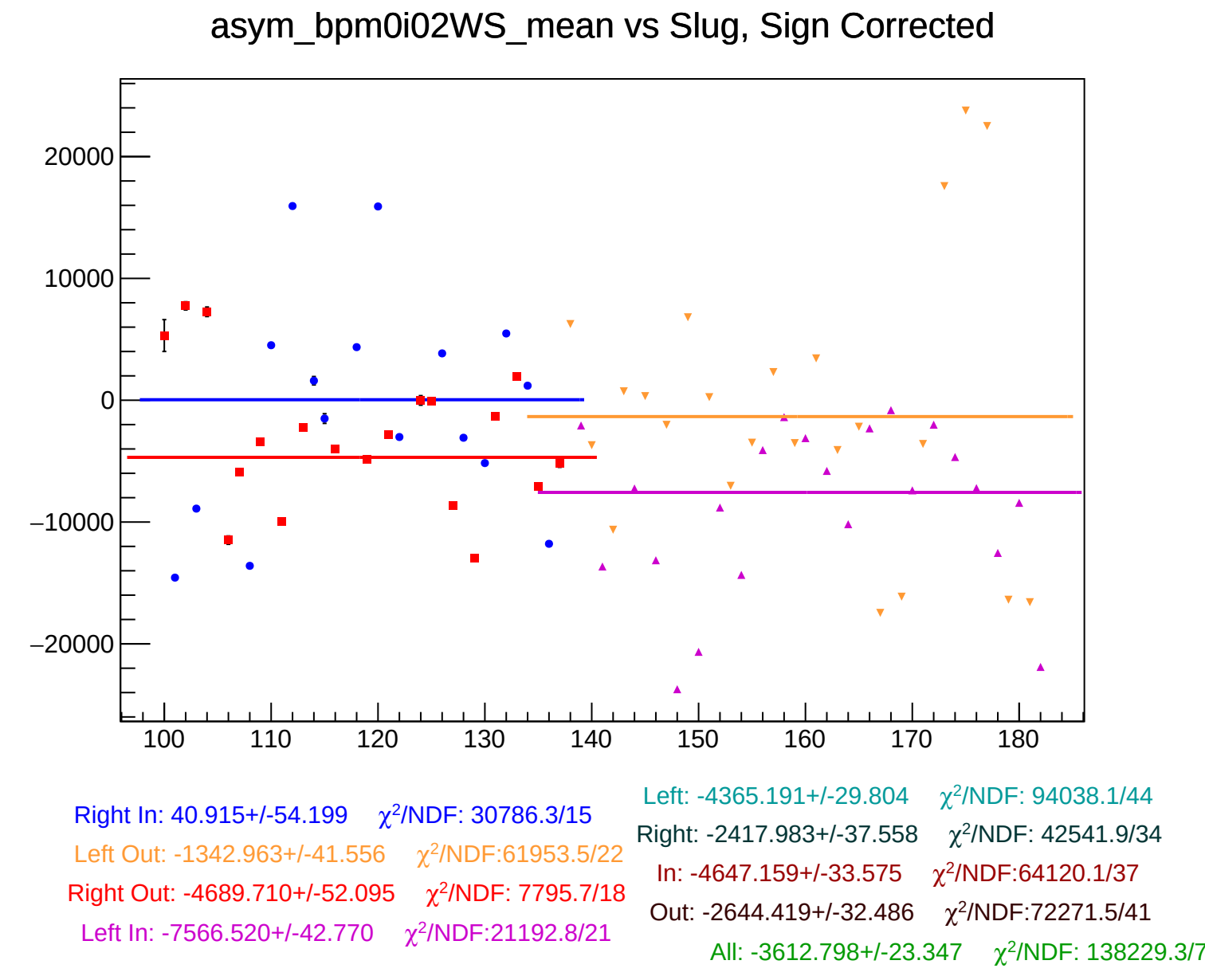
Left: 361.209+/-0.044 χ^2/NDF: 3550060.5/44

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

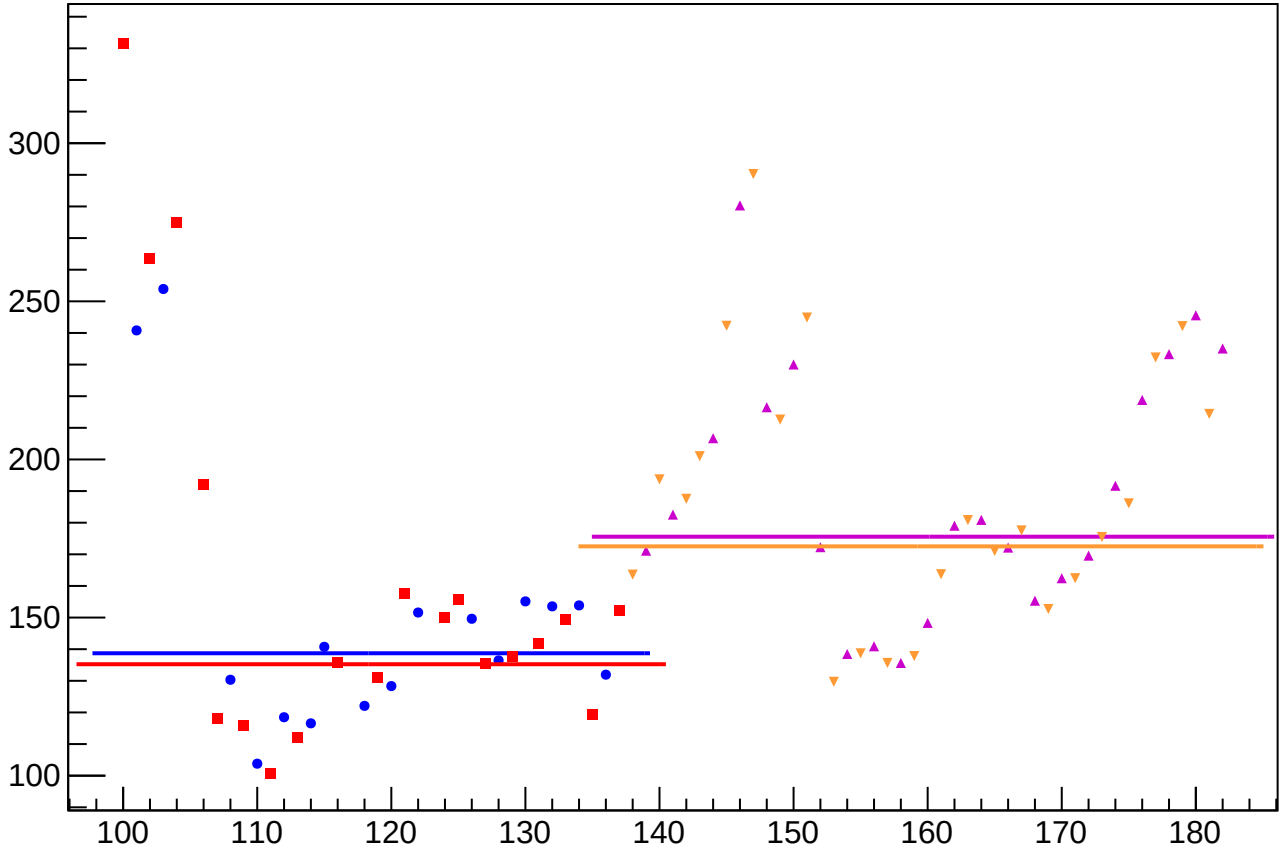
In: 362.768+/-0.053 χ^2/NDF:2474573.1/37

Out: 353.882+/-0.051 χ^2/NDF:2743509.6/41

All: 358.181+/-0.037 χ^2/NDF: 5232769.0/79


asym_bpm0i02WS_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: 40.915+/-54.199 χ²/NDF: 30786.3/15
Left Out: -1342.963+/-41.556 χ²/NDF:61953.5/22
Right Out: -4689.710+/-52.095 χ²/NDF: 7795.7/18
Left In: -7566.520+/-42.770 χ²/NDF:21192.8/21
Left: -4365.191+/-29.804 χ²/NDF: 94038.1/44
Right: -2417.983+/-37.558 χ²/NDF: 42541.9/34
In: -4647.159+/-33.575 χ²/NDF:64120.1/37
Out: -2644.419+/-32.486 χ²/NDF:72271.5/41
All: -3612.798+/-23.347 χ²/NDF: 138229.3/7

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 172.515+/-0.029 χ^2/NDF:1508361.9/22

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 175.572+/-0.030 χ^2/NDF:1327064.6/21

Left: 174.000+/-0.021 χ^2/NDF: 2840685.1/44

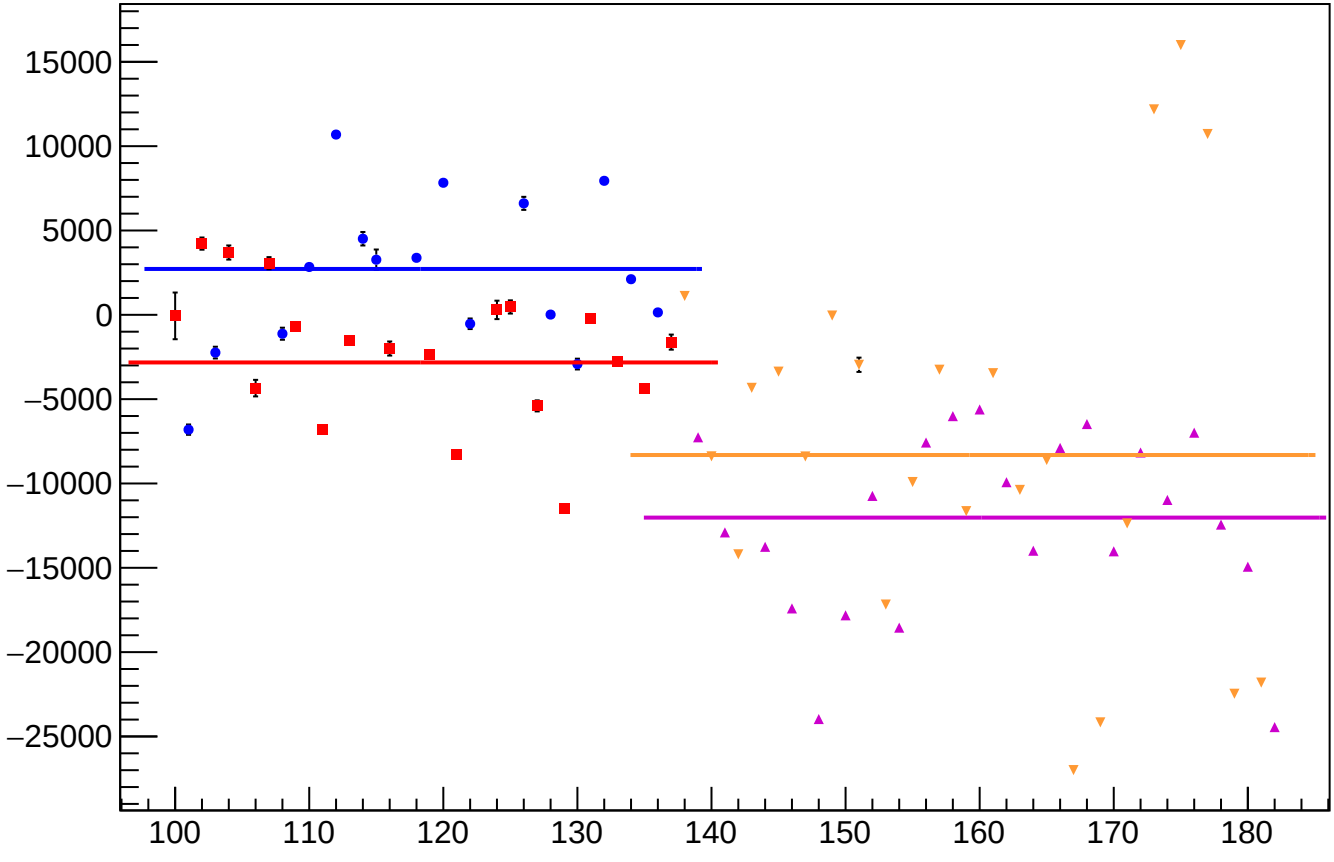
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 161.427+/-0.024 χ^2/NDF:2554931.1/37

Out: 158.022+/-0.023 χ^2/NDF:3023958.2/41

All: 159.668+/-0.017 χ^2/NDF: 5589517.1/79

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -8312.319+/-47.083 χ^2/NDF:55165.6/22

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -12023.661+/-44.525 χ^2/NDF:14436.0/21

Left: -10271.532+/-32.350 χ^2/NDF: 72881.7/44

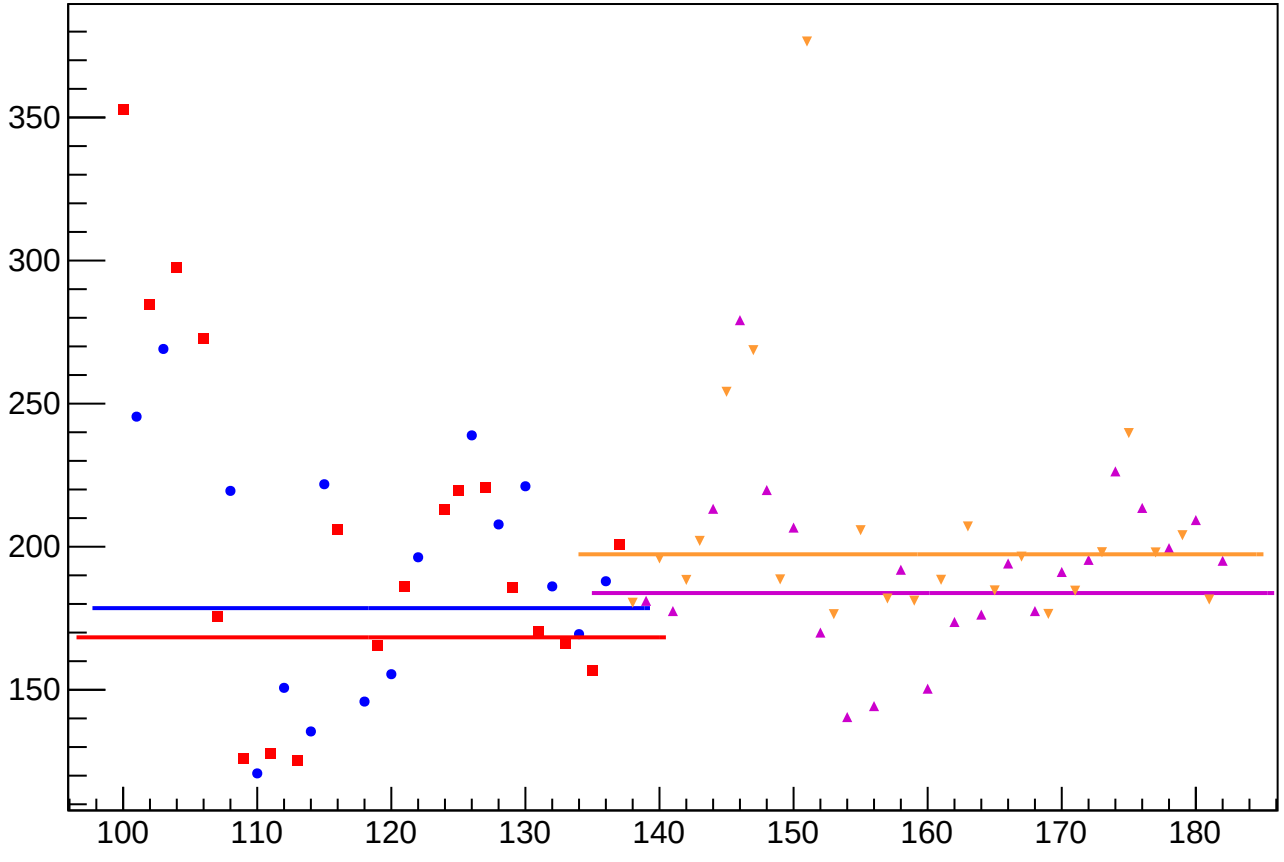
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -7711.131+/-37.451 χ^2/NDF:50637.4/37

Out: -6417.818+/-38.100 χ^2/NDF:62919.1/41

All: -7075.582+/-26.708 χ^2/NDF: 114142.5/7

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 197.355+/-0.033 χ^2/NDF:731687.2/22

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 183.812+/-0.031 χ^2/NDF:827724.8/21

Left: 190.206+/-0.023 χ^2/NDF: 1646762.8/44

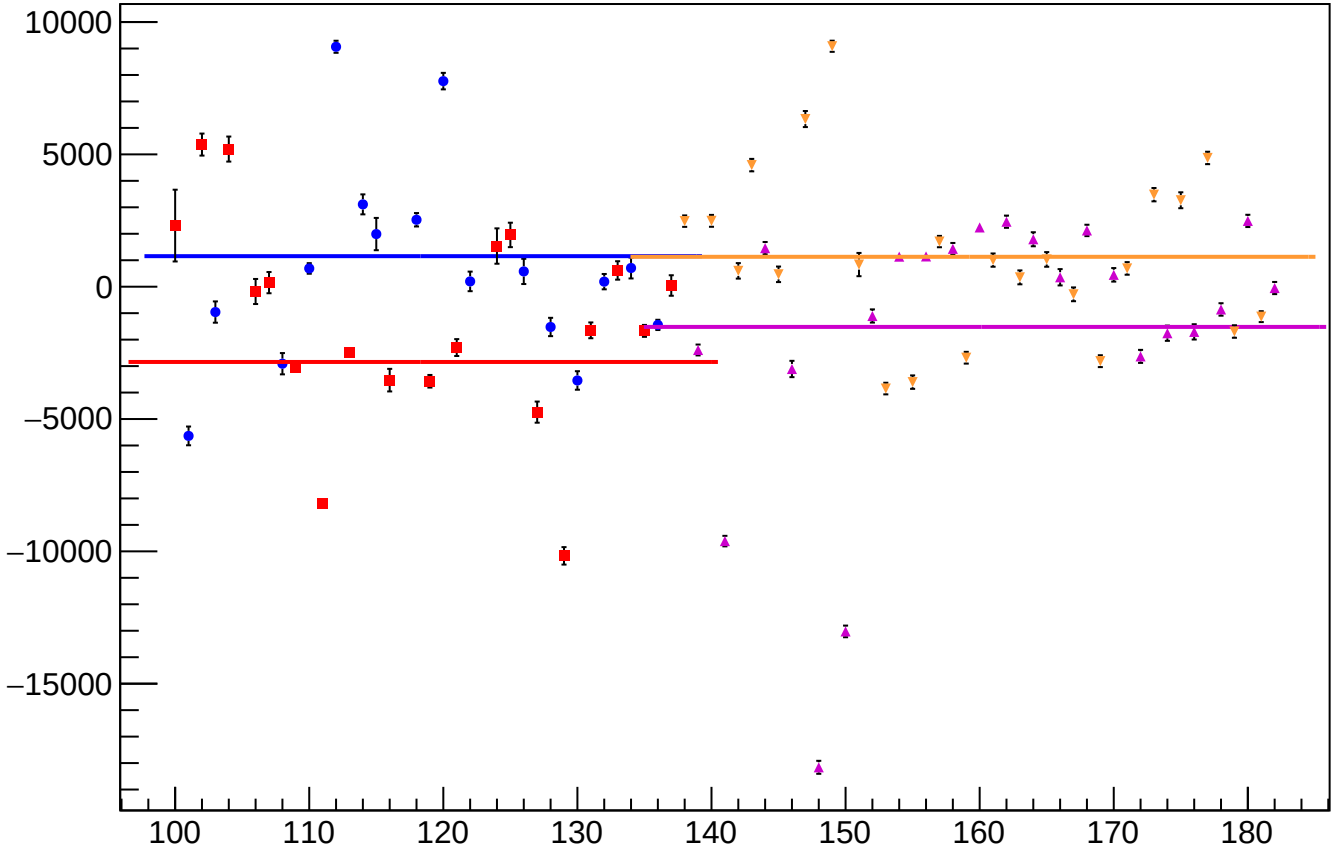
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 182.270+/-0.026 χ^2/NDF:1510489.6/37

Out: 187.338+/-0.027 χ^2/NDF:1973435.4/41

All: 184.761+/-0.019 χ^2/NDF: 3501920.4/79

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1129.734+/-51.231 χ^2/NDF:4182.1/22

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1519.214+/-48.440 χ^2/NDF:11475.3/21

Left: -268.854+/-35.198 χ^2/NDF: 17069.0/44

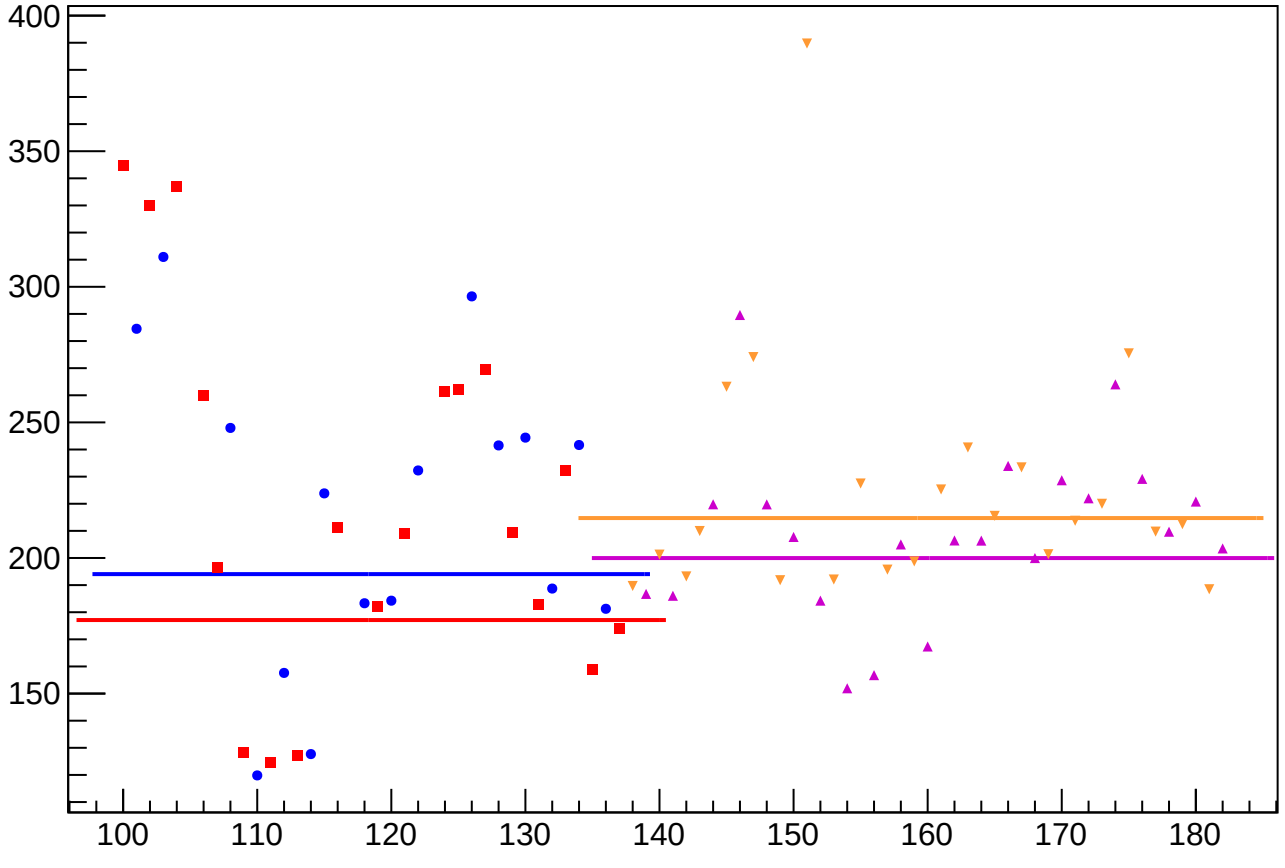
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -746.391+/-40.842 χ^2/NDF:15011.0/37

Out: -278.707+/-41.162 χ^2/NDF:8767.6/41

All: -514.377+/-28.992 χ^2/NDF: 23843.7/79

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.723+/-0.036 χ^2/NDF:725984.1/22

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 199.969+/-0.034 χ^2/NDF:785323.7/21

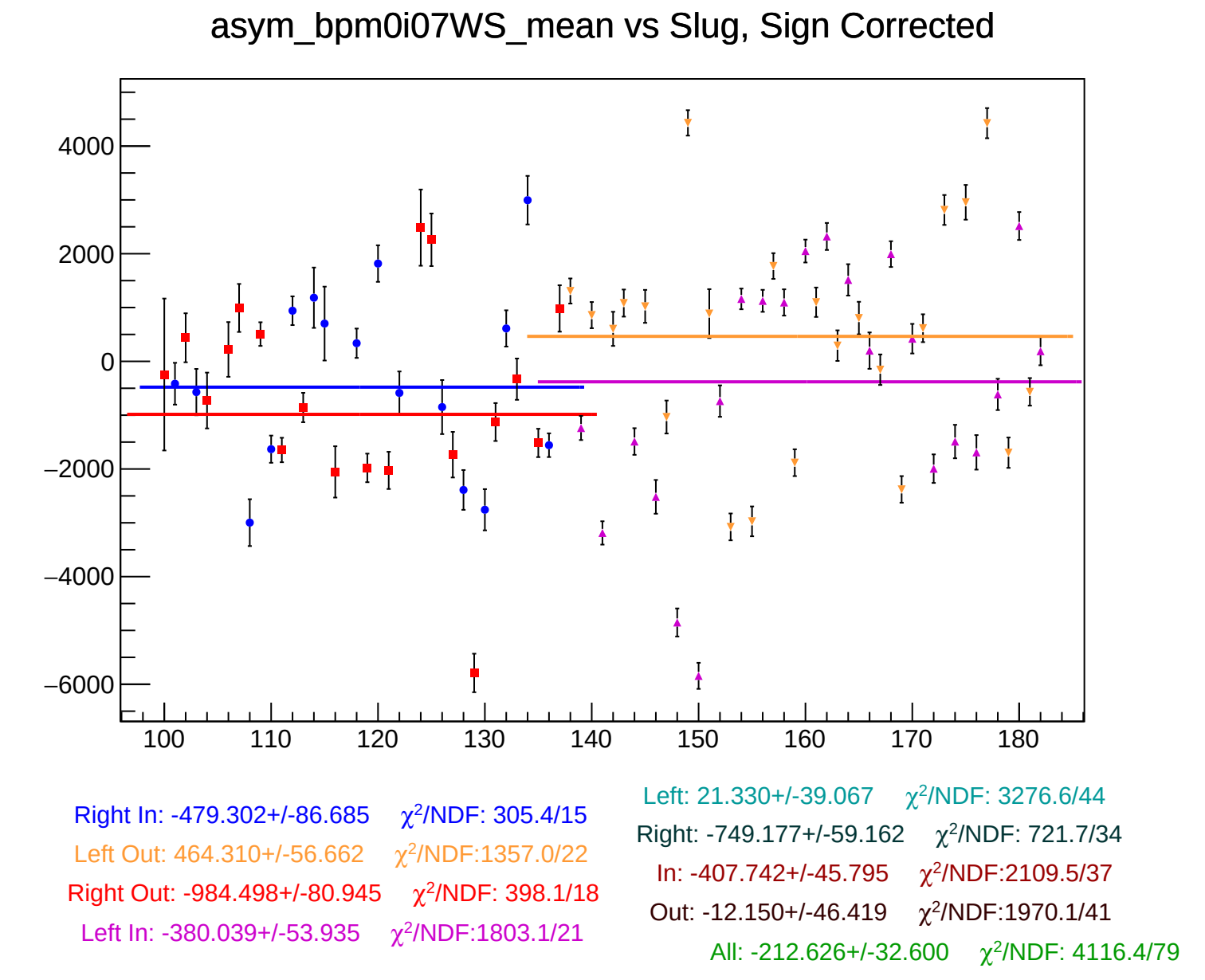
Left: 206.933+/-0.025 χ^2/NDF: 1598884.6/44

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

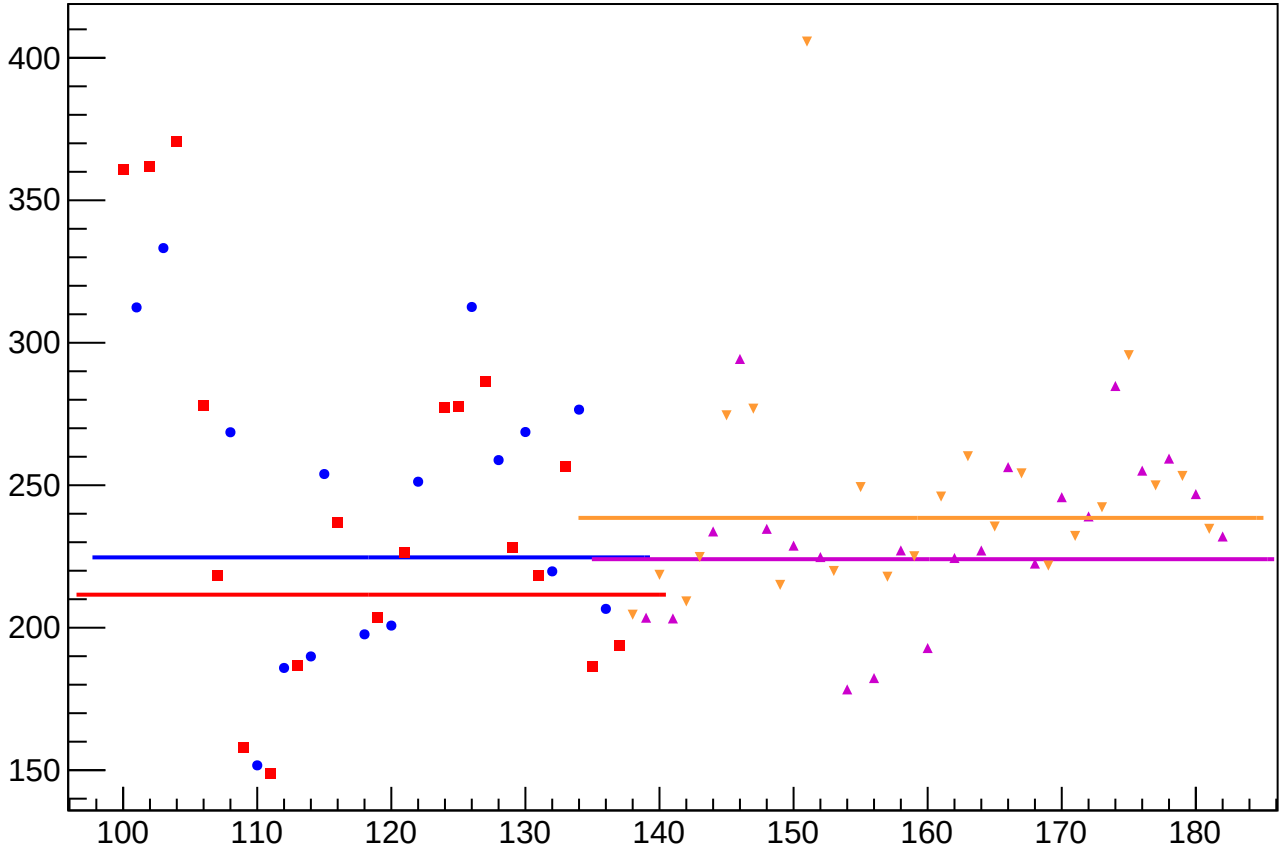
In: 198.259+/-0.029 χ^2/NDF:1759735.0/37

Out: 201.393+/-0.029 χ^2/NDF:2467337.4/41

All: 199.813+/-0.021 χ^2/NDF: 4232915.7/79


asym_bpm0i07WS_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -479.302+/-86.685 χ²/NDF: 305.4/15
Left Out: 464.310+/-56.662 χ²/NDF:1357.0/22
Right Out: -984.498+/-80.945 χ²/NDF: 398.1/18
Left In: -380.039+/-53.935 χ²/NDF:1803.1/21
Left: 21.330+/-39.067 χ²/NDF: 3276.6/44
Right: -749.177+/-59.162 χ²/NDF: 721.7/34
In: -407.742+/-45.795 χ²/NDF:2109.5/37
Out: -12.150+/-46.419 χ²/NDF:1970.1/41
All: -212.626+/-32.600 χ²/NDF: 4116.4/79

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.543+/-0.040 χ^2/NDF:566103.6/22

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 224.048+/-0.038 χ^2/NDF:562000.6/21

Left: 230.938+/-0.028 χ^2/NDF: 1196775.1/44

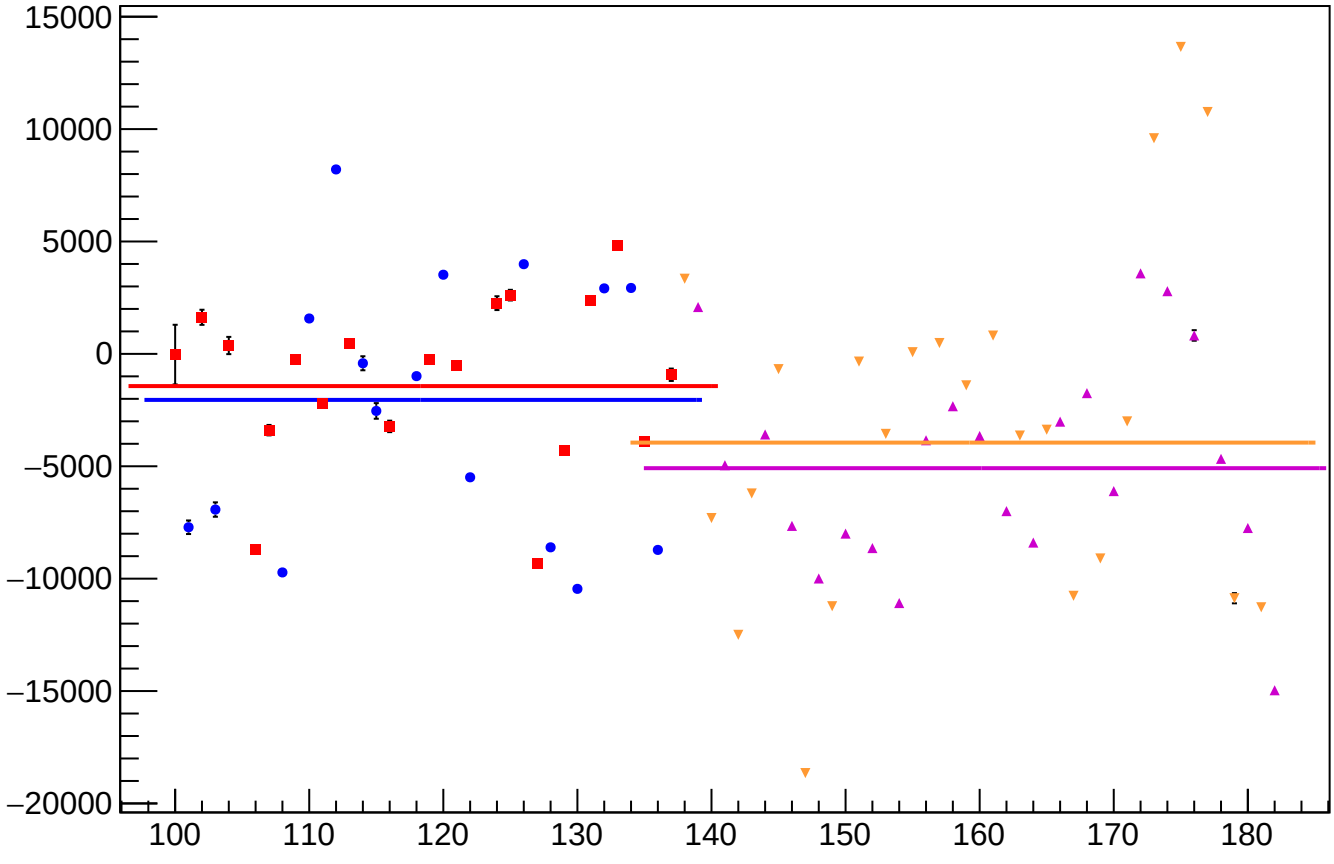
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 224.225+/-0.032 χ^2/NDF:1215271.3/37

Out: 229.681+/-0.033 χ^2/NDF:1647779.5/41

All: 226.916+/-0.023 χ^2/NDF: 2877053.0/79

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3947.133+/-31.216 χ^2/NDF:53912.1/22

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5085.008+/-32.087 χ^2/NDF:17393.0/21

Left: -4500.408+/-22.375 χ^2/NDF: 71951.2/44

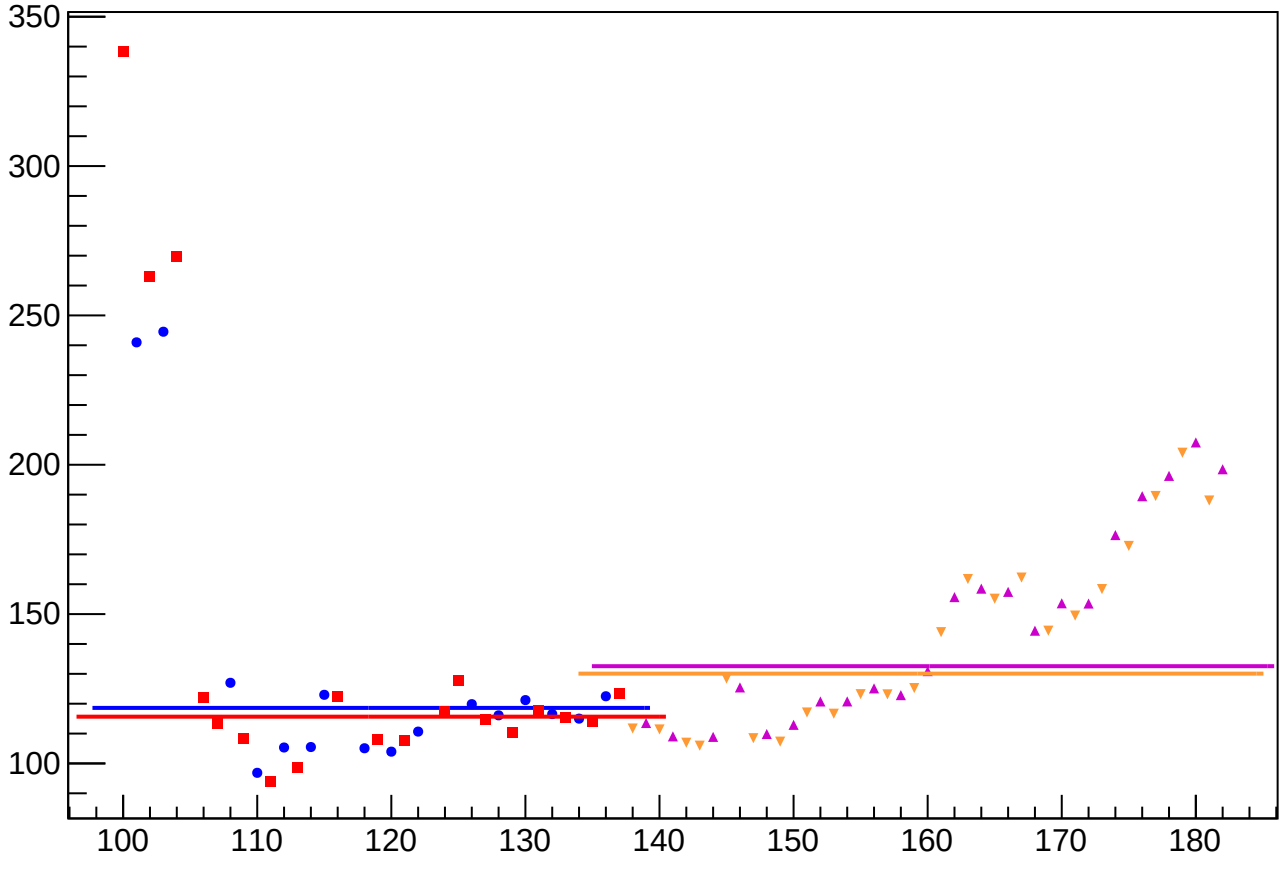
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4111.425+/-26.450 χ^2/NDF:36974.6/37

Out: -3123.655+/-25.598 χ^2/NDF:62424.6/41

All: -3601.377+/-18.395 χ^2/NDF: 100119.4/7

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 130.070+/-0.022 χ^2/NDF:1296025.1/22

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 132.559+/-0.023 χ^2/NDF:1351638.3/21

Left: 131.280+/-0.016 χ^2/NDF: 2653849.5/44

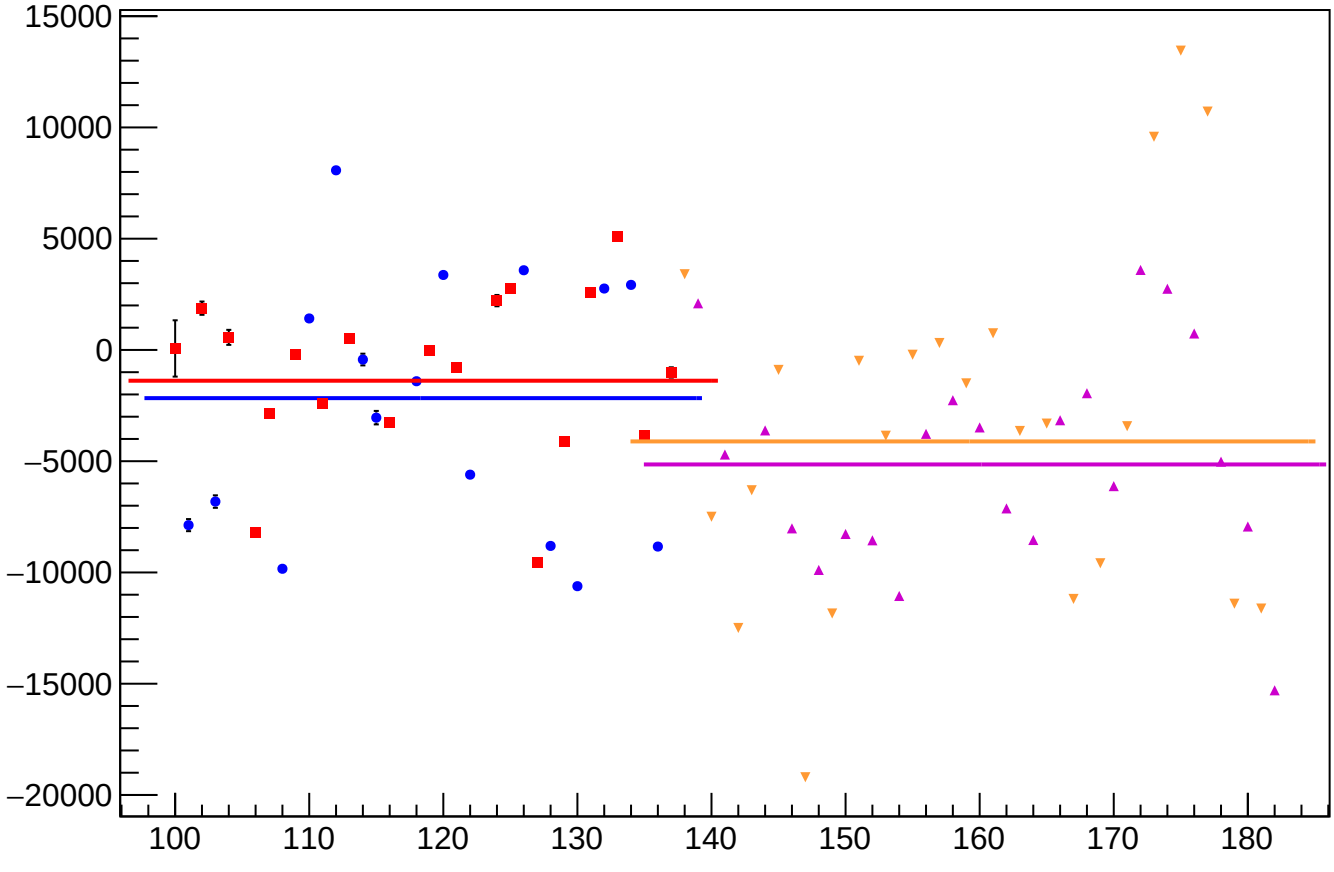
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 128.084+/-0.019 χ^2/NDF:2207182.9/37

Out: 125.350+/-0.018 χ^2/NDF:2299821.2/41

All: 126.672+/-0.013 χ^2/NDF: 4518038.9/79

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4111.085+/-28.299 χ^2/NDF:63671.5/22

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -5145.799+/-29.358 χ^2/NDF:20854.9/21

Left: -4609.445+/-20.374 χ^2/NDF: 85170.3/44

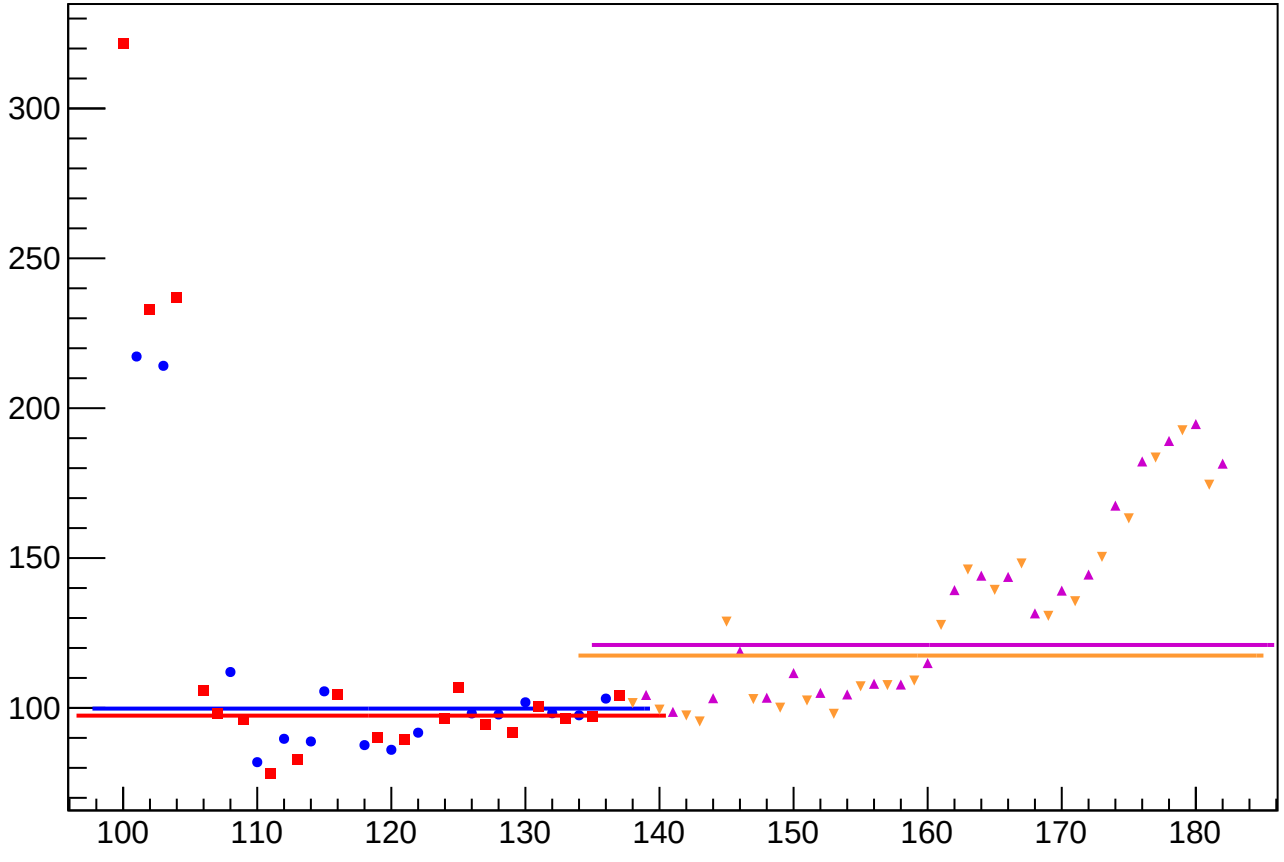
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4089.983+/-23.590 χ^2/NDF:47380.2/37

Out: -3137.093+/-22.691 χ^2/NDF:76137.9/41

All: -3595.036+/-16.354 χ^2/NDF: 124365.6/7

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 117.470+/-0.020 χ^2/NDF:1492574.4/22

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 121.004+/-0.021 χ^2/NDF:1460160.2/21

Left: 119.172+/-0.014 χ^2/NDF: 2967752.2/44

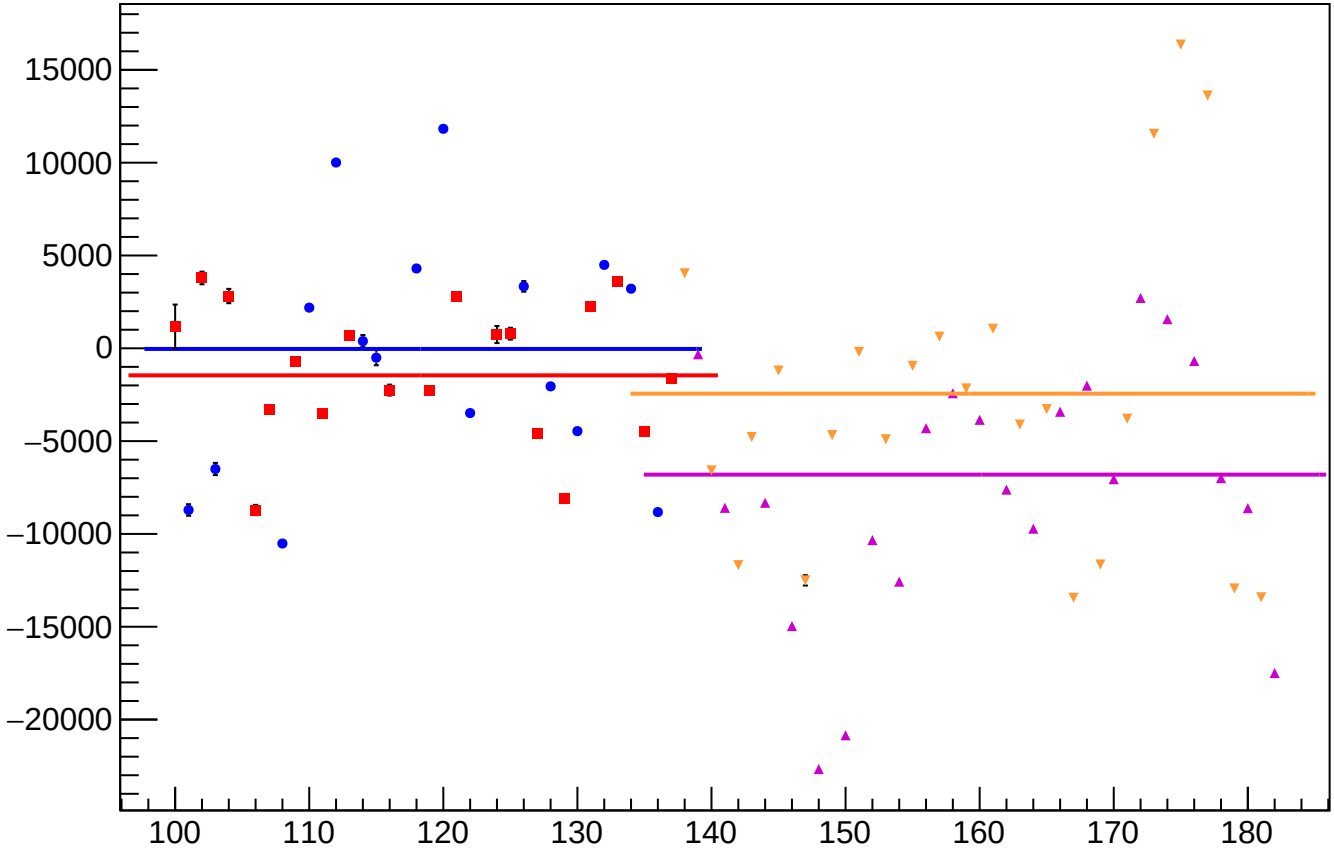
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 113.482+/-0.017 χ^2/NDF:2639844.8/37

Out: 110.314+/-0.016 χ^2/NDF:2776813.6/41

All: 111.837+/-0.012 χ^2/NDF: 5435389.8/79

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2444.846+/-38.860 χ^2/NDF:33647.4/22

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -6804.987+/-40.458 χ^2/NDF:20994.7/21

Left: -4537.141+/-28.026 χ^2/NDF: 60683.2/44

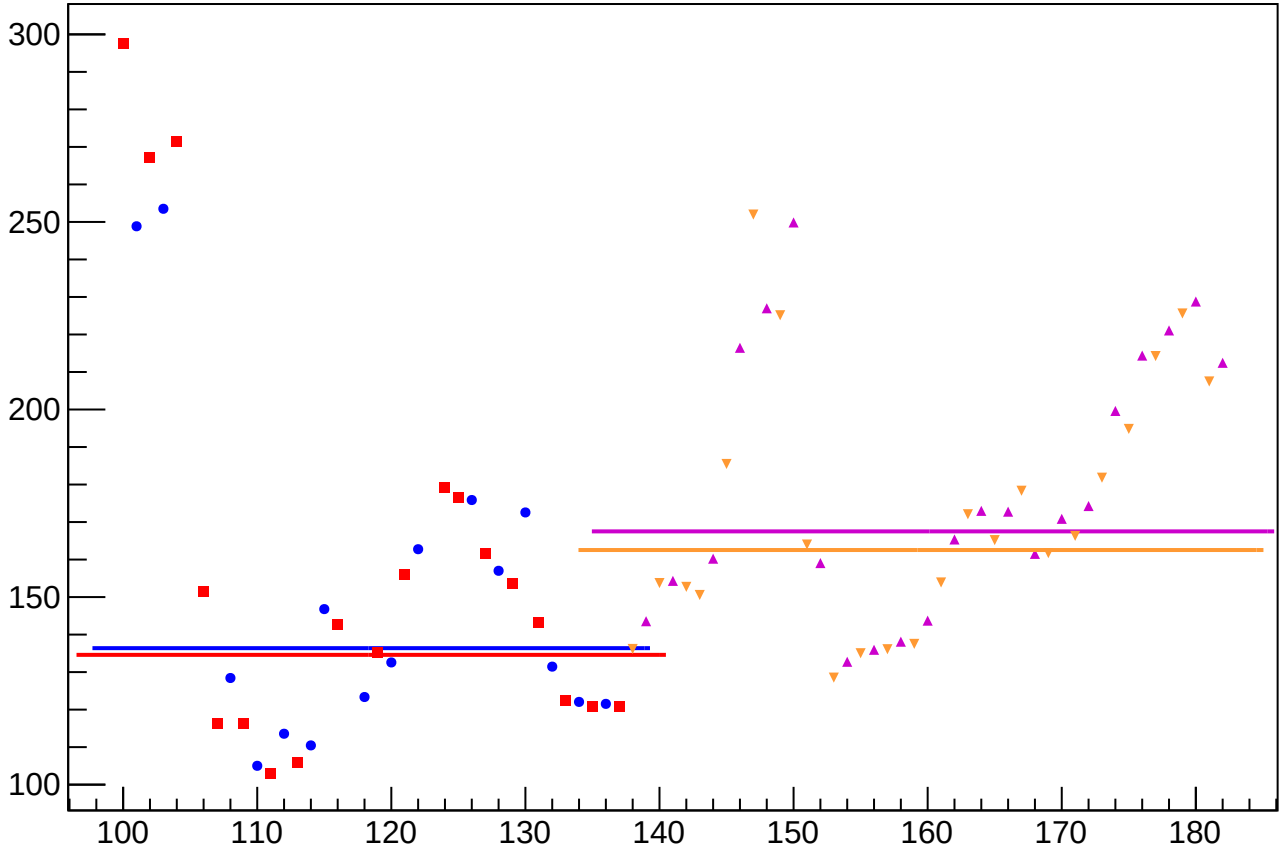
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4339.822+/-32.262 χ^2/NDF:47994.1/37

Out: -2090.260+/-31.117 χ^2/NDF:37996.4/41

All: -3174.403+/-22.397 χ^2/NDF: 88509.4/79

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 162.542+/-0.027 χ^2/NDF:1122274.2/22

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 167.512+/-0.029 χ^2/NDF:1197737.6/21

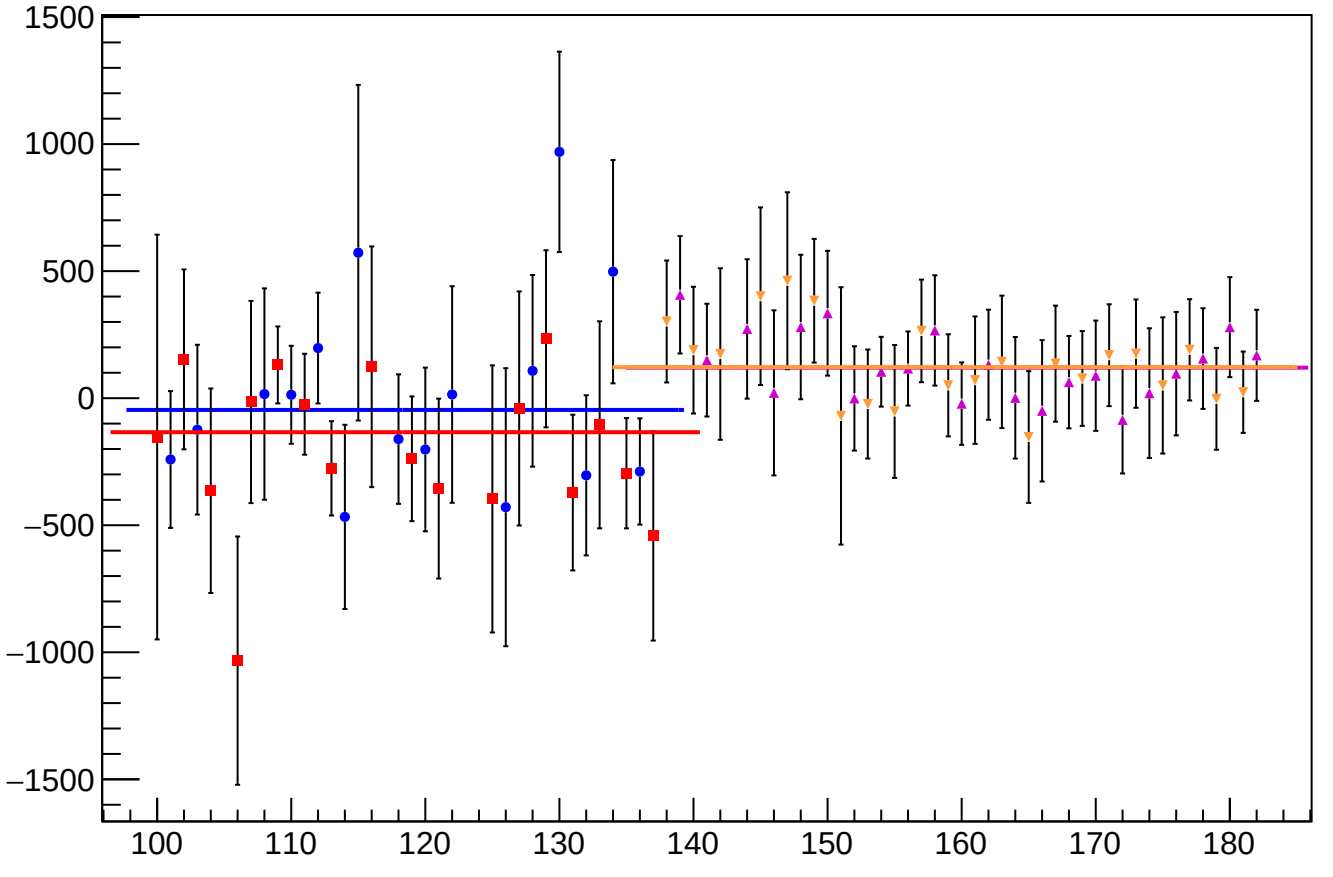
Left: 164.927+/-0.020 χ^2/NDF: 2335706.0/44

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 156.178+/-0.023 χ^2/NDF:2425695.7/37

Out: 152.515+/-0.022 χ^2/NDF:2412973.0/41

All: 154.280+/-0.016 χ^2/NDF: 4852019.4/79



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 121.939+/-49.477 χ^2/NDF:7.4/21

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 120.131+/-44.106 χ^2/NDF:7.2/21

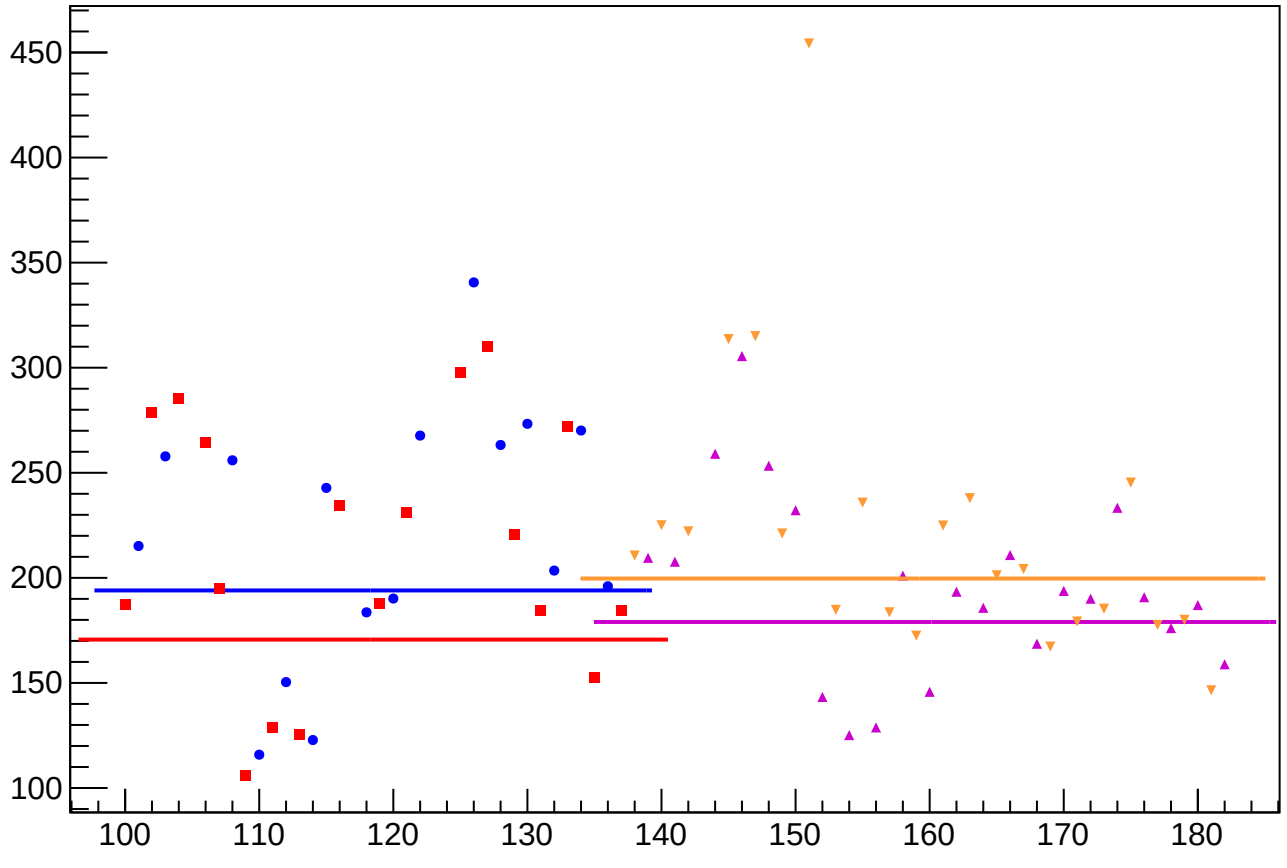
Left: 120.931+/-32.924 χ^2/NDF: 14.6/43

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 78.457+/-38.183 χ^2/NDF:26.3/37

Out: 34.076+/-40.091 χ^2/NDF:29.4/39

All: 57.348+/-27.650 χ^2/NDF: 56.3/77



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 199.678+/-0.035 χ^2/NDF:1560956.6/21

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 179.007+/-0.031 χ^2/NDF:1663436.2/21

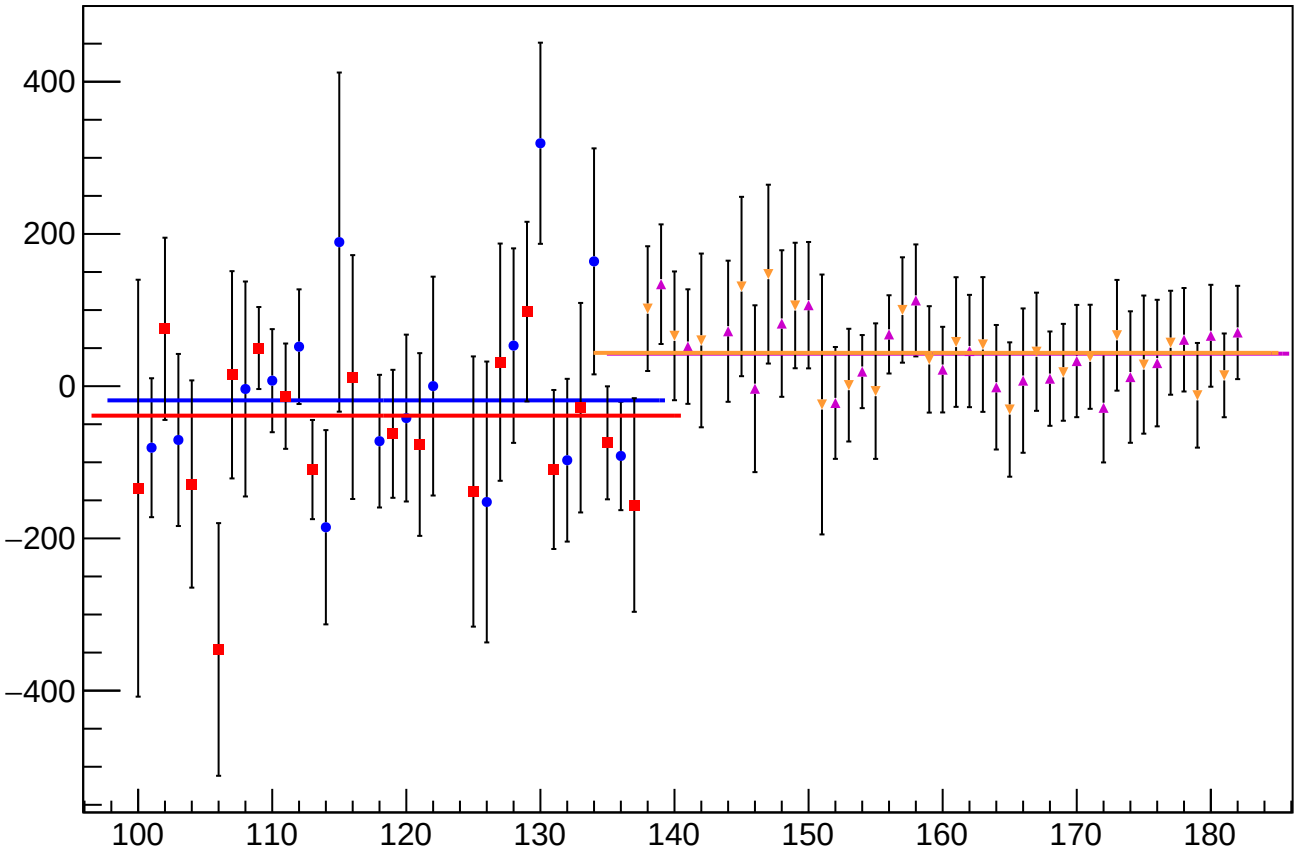
Left: 188.160+/-0.023 χ^2/NDF: 3418916.6/43

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 182.767+/-0.027 χ^2/NDF:2765060.8/37

Out: 189.700+/-0.028 χ^2/NDF:3391535.4/39

All: 186.065+/-0.020 χ^2/NDF: 6187957.8/77



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 43.772+/-16.903 χ^2/NDF:6.0/21

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 42.705+/-15.151 χ^2/NDF:7.0/21

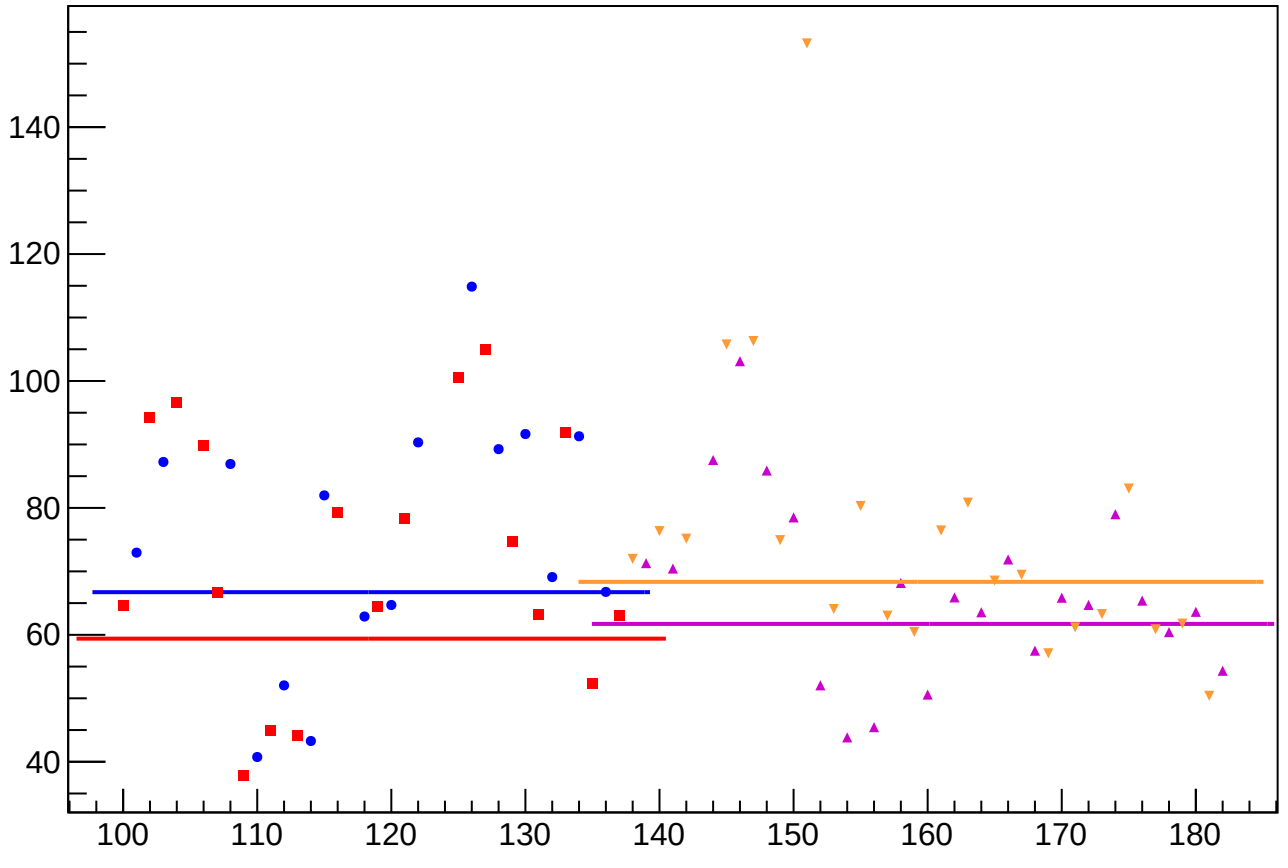
Left: 43.180+/-11.282 χ^2/NDF: 13.0/43

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 27.261+/-13.106 χ^2/NDF:26.3/37

Out: 15.885+/-13.752 χ^2/NDF:26.7/39

All: 21.846+/-9.488 χ^2/NDF: 53.3/77



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 68.350+/-0.012 χ^2/NDF:1486102.5/21

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 61.722+/-0.011 χ^2/NDF:1475574.4/21

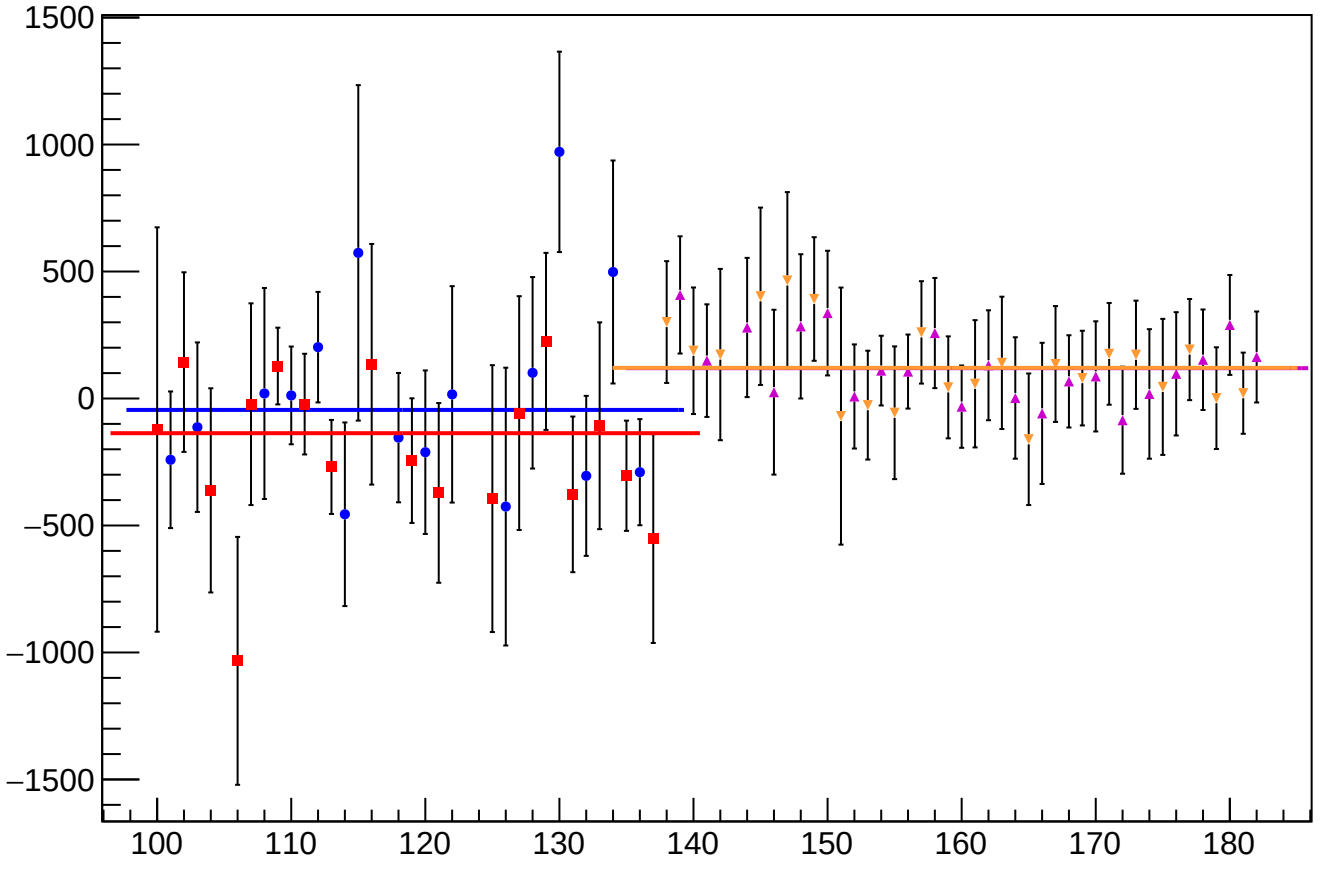
Left: 64.675+/-0.008 χ^2/NDF: 3132192.7/43

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 62.981+/-0.009 χ^2/NDF:2477492.9/37

Out: 65.324+/-0.010 χ^2/NDF:3121019.1/39

All: 64.097+/-0.007 χ^2/NDF: 5628940.8/77



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 120.803+/-49.434 χ^2/NDF:7.6/21

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 119.365+/-44.069 χ^2/NDF:7.4/21

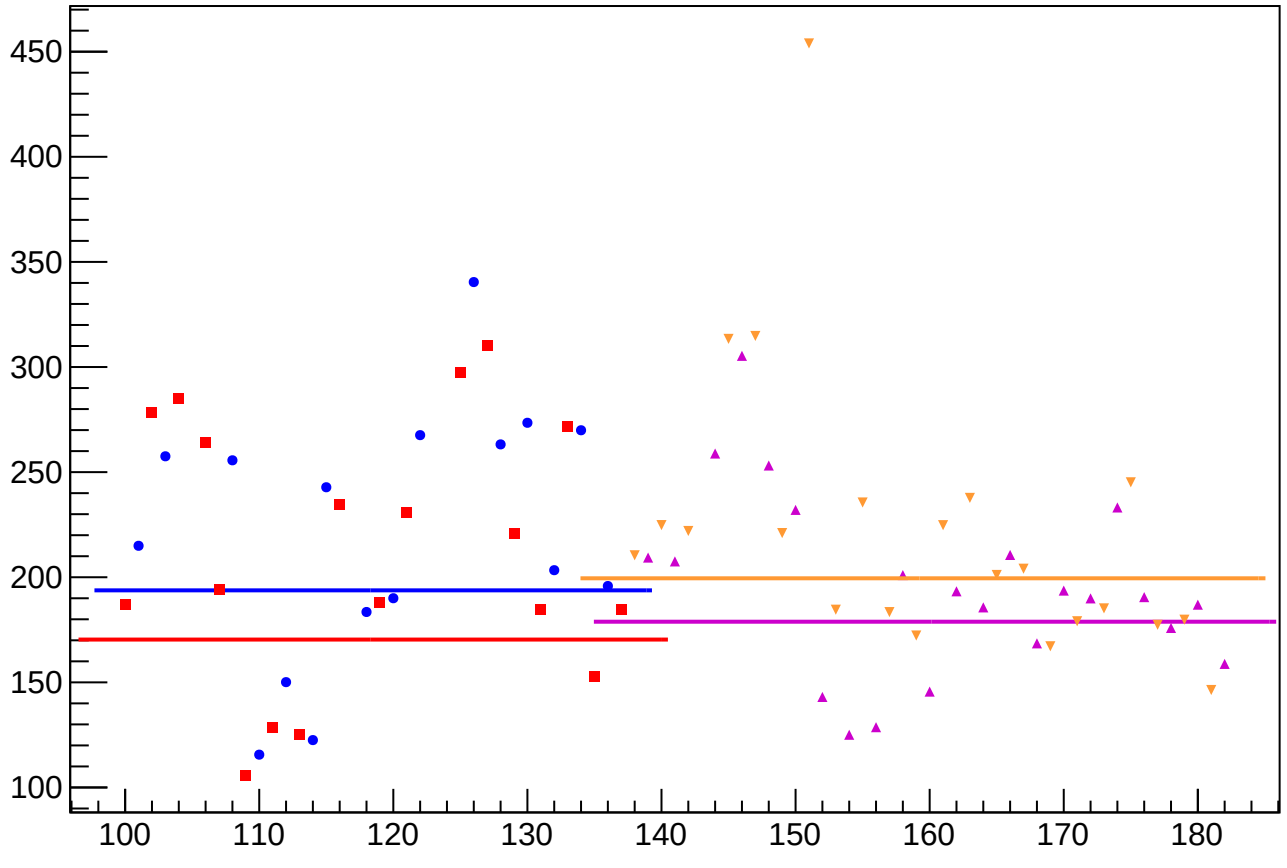
Left: 120.002+/-32.895 χ^2/NDF: 15.0/43

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 78.188+/-38.148 χ^2/NDF:26.4/37

Out: 32.361+/-40.050 χ^2/NDF:29.8/39

All: 56.388+/-27.623 χ^2/NDF: 56.8/77



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 199.500+/-0.035 χ^2/NDF:1561906.5/21

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 178.848+/-0.031 χ^2/NDF:1665544.3/21

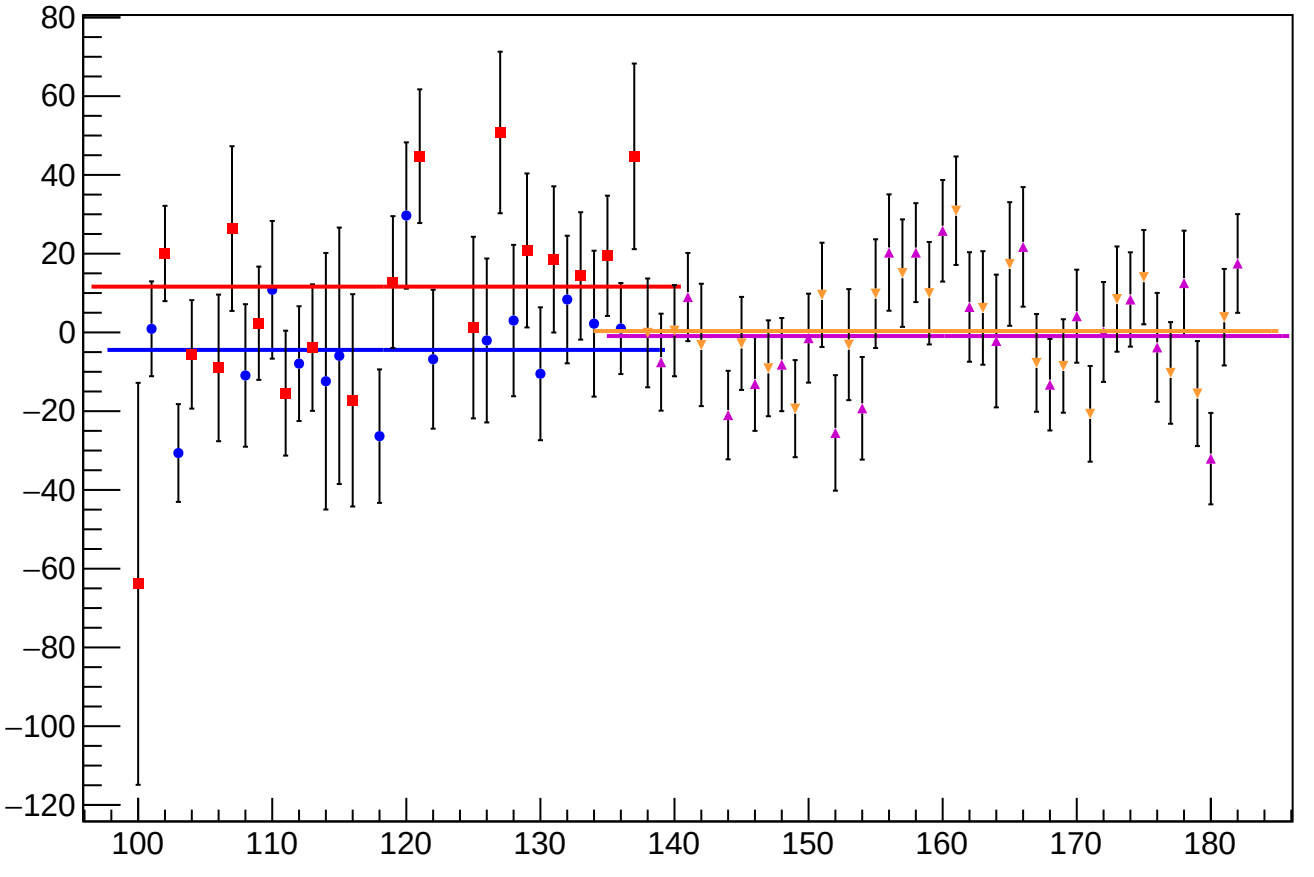
Left: 187.993+/-0.023 χ^2/NDF: 3421944.9/43

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 182.587+/-0.027 χ^2/NDF:2771098.5/37

Out: 189.486+/-0.028 χ^2/NDF:3399770.1/39

All: 185.869+/-0.020 χ^2/NDF: 6201979.9/77



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.349+/-2.774 χ^2/NDF:20.1/21

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -0.927+/-2.698 χ^2/NDF:34.5/21

Left: -0.307+/-1.934 χ^2/NDF: 54.7/43

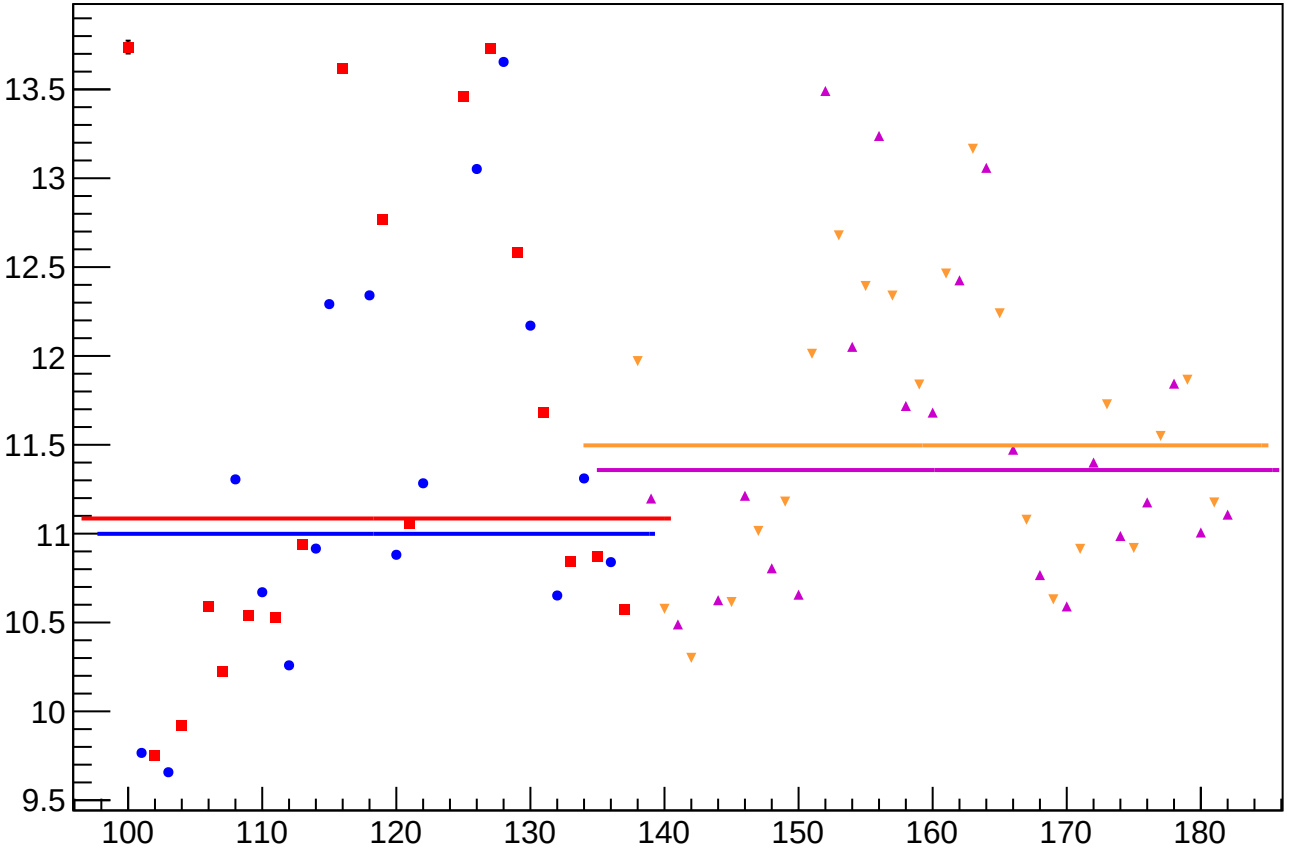
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -1.977+/-2.259 χ^2/NDF:47.0/37

Out: 3.848+/-2.304 χ^2/NDF:46.9/39

All: 0.877+/-1.613 χ^2/NDF: 97.1/77

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.497+/-0.002 χ^2/NDF:143790.4/21

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.358+/-0.002 χ^2/NDF:169952.3/21

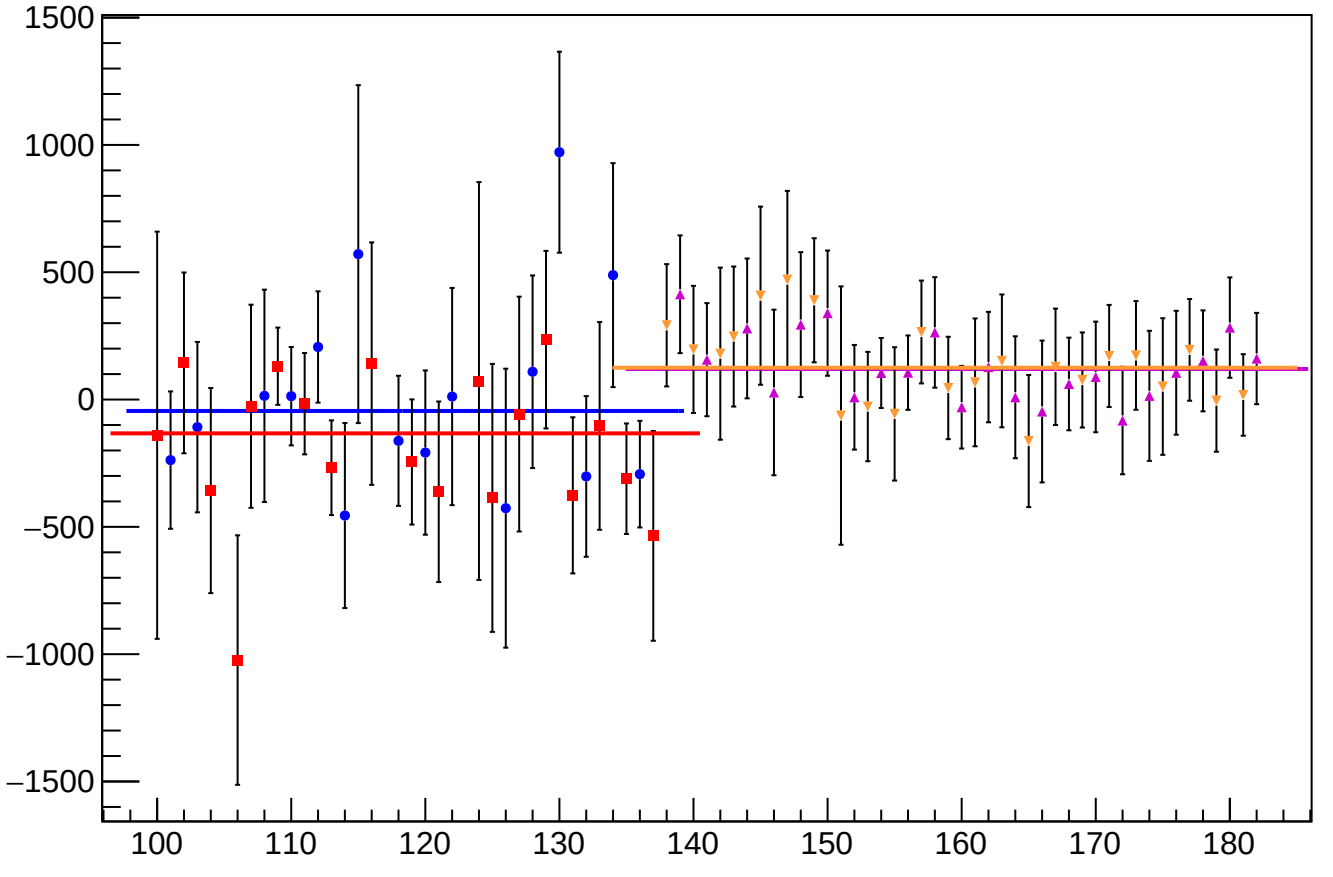
Left: 11.425+/-0.001 χ^2/NDF: 316316.0/43

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.251+/-0.002 χ^2/NDF:316696.4/37

Out: 11.369+/-0.002 χ^2/NDF:319643.7/39

All: 11.309+/-0.001 χ^2/NDF: 639036.3/77



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 125.039+/-48.743 χ^2/NDF:7.9/22

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 119.975+/-44.143 χ^2/NDF:7.4/21

Left: 122.257+/-32.719 χ^2/NDF: 15.3/44

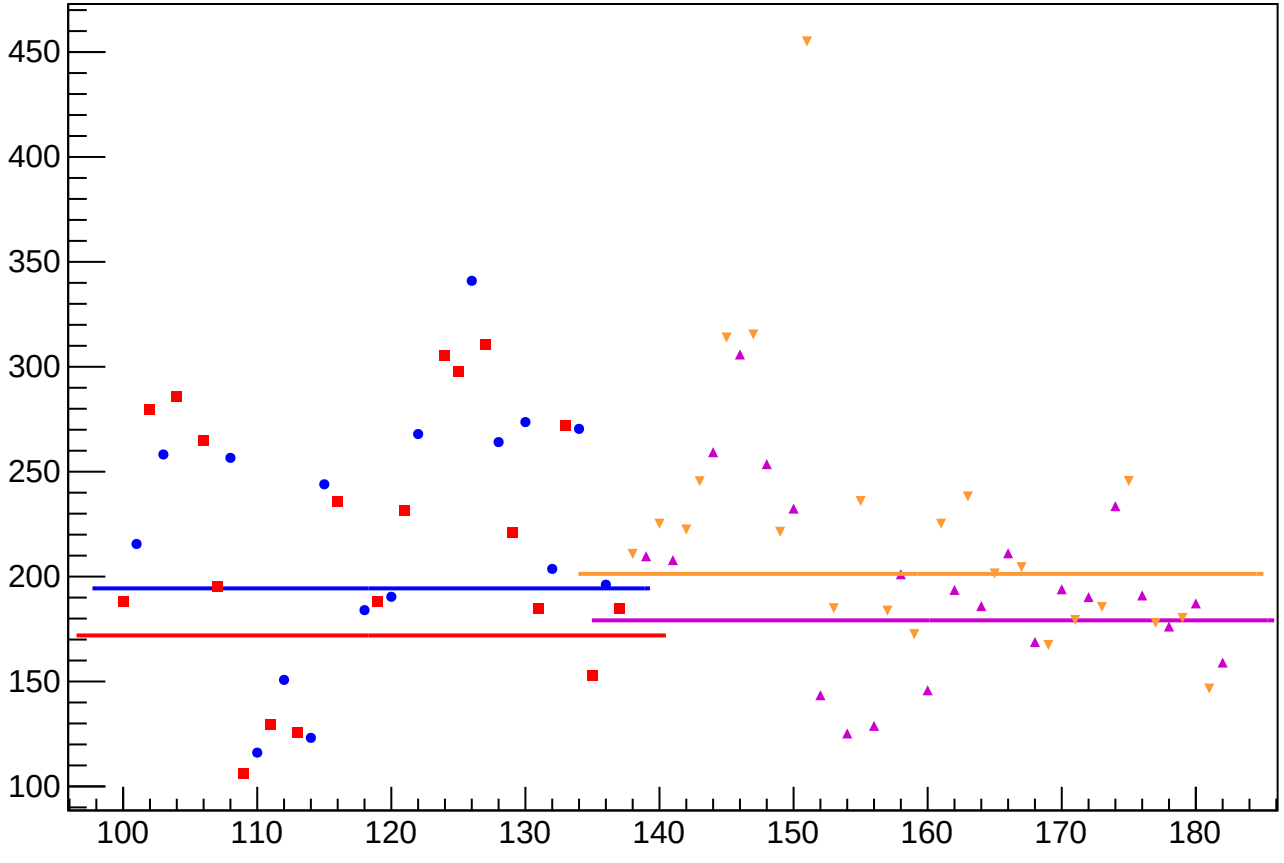
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 78.754+/-38.224 χ^2/NDF:26.3/37

Out: 38.004+/-39.670 χ^2/NDF:30.2/41

All: 59.135+/-27.526 χ^2/NDF: 57.0/79

asym_bcm_an_us_an_ds3_avg_rms vs Slug, Sign Corrected



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 201.308+/-0.034 χ^2/NDF:1615284.1/22

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 179.144+/-0.031 χ^2/NDF:1666081.1/21

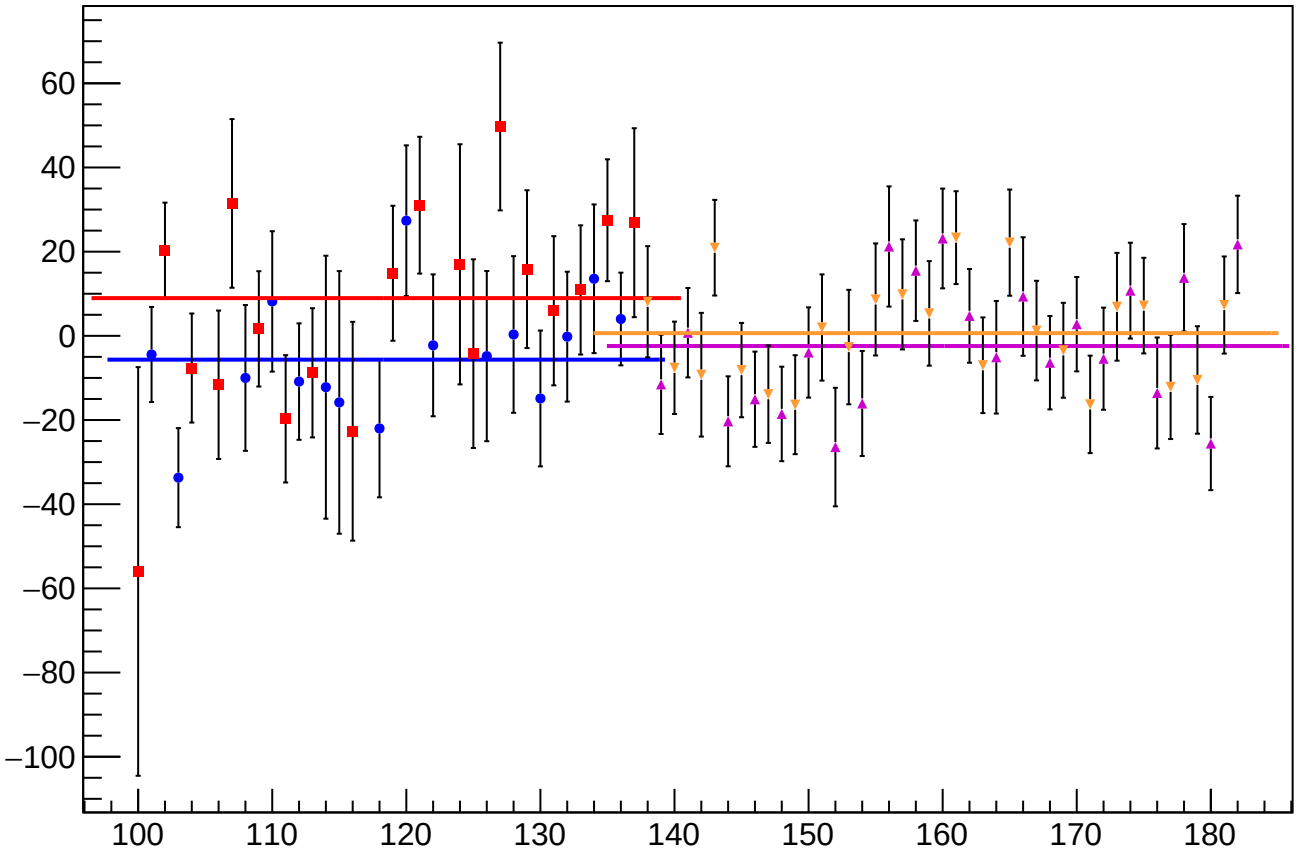
Left: 189.131+/-0.023 χ^2/NDF: 3508547.0/44

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.957+/-0.027 χ^2/NDF:2767747.1/37

Out: 191.395+/-0.028 χ^2/NDF:3511618.4/41

All: 187.020+/-0.019 χ^2/NDF: 6326285.6/79



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.645+/-2.520 χ^2/NDF:22.5/22

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -2.422+/-2.527 χ^2/NDF:34.5/21

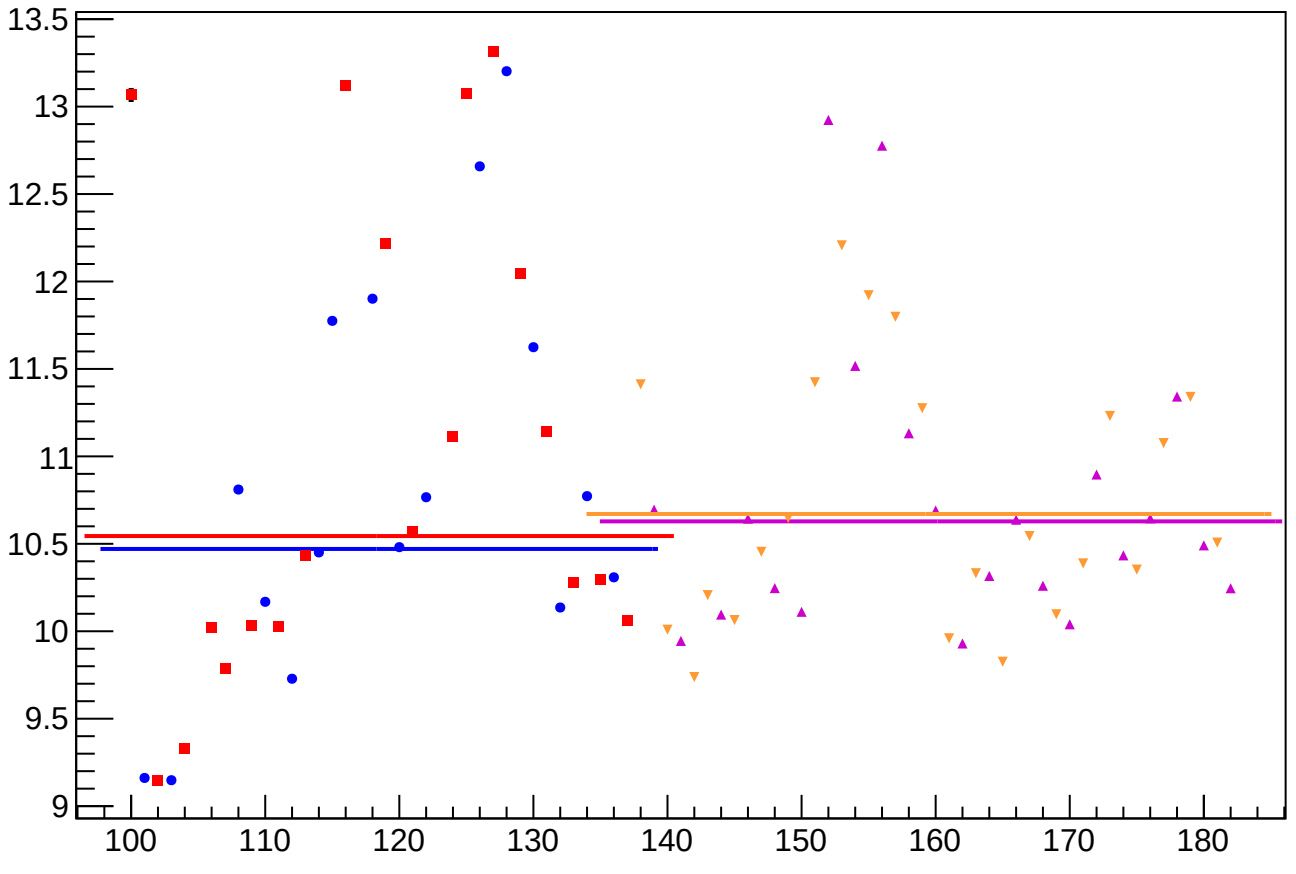
Left: -0.884+/-1.784 χ^2/NDF: 57.7/44

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.366+/-2.127 χ^2/NDF:48.7/37

Out: 3.093+/-2.117 χ^2/NDF:48.5/41

All: -0.120+/-1.500 χ^2/NDF: 101.8/79



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.671+/-0.002 χ^2/NDF:140550.1/22

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.628+/-0.002 χ^2/NDF:159418.4/21

Left: 10.650+/-0.001 χ^2/NDF: 300250.2/44

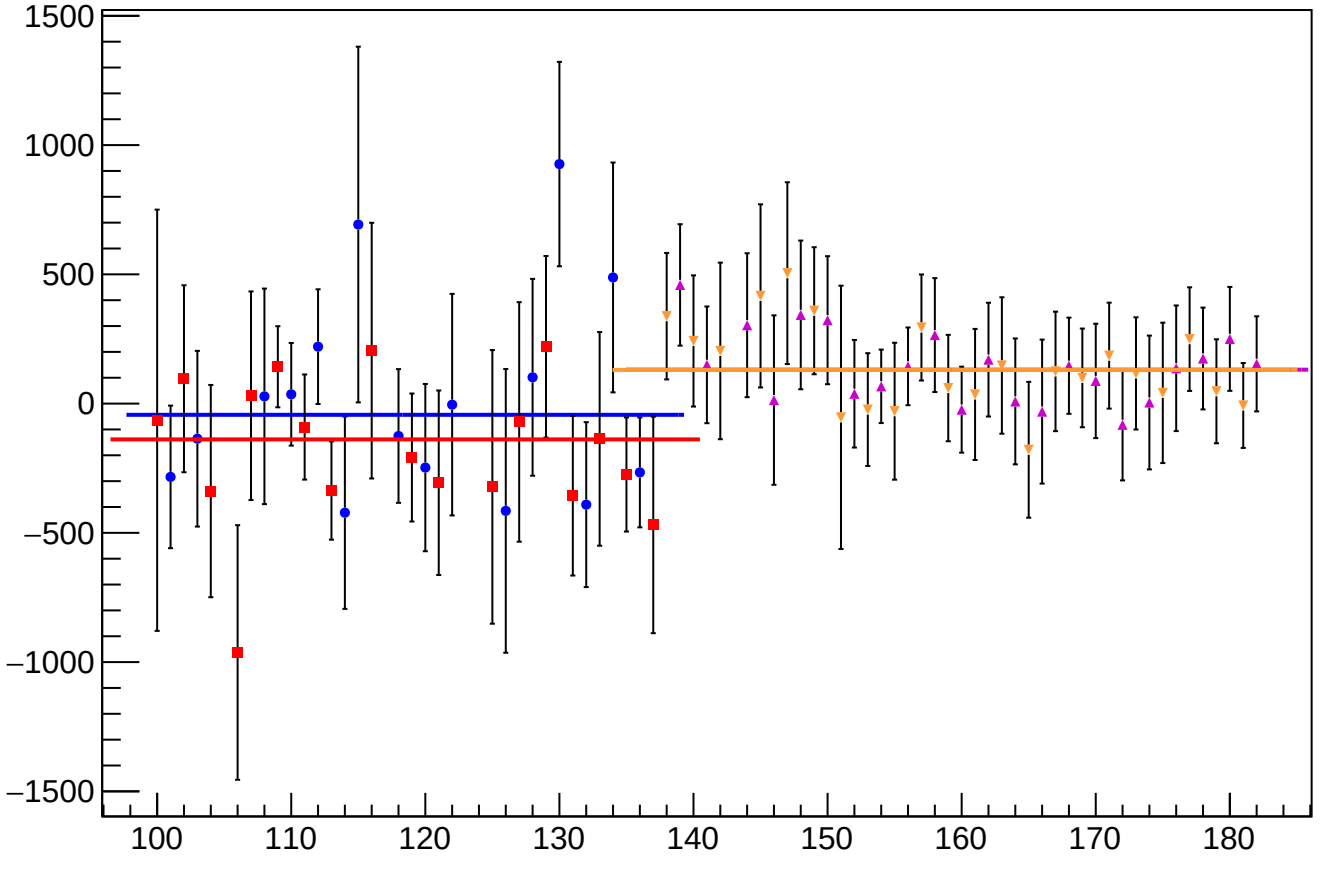
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.582+/-0.002 χ^2/NDF:319053.9/37

Out: 10.633+/-0.001 χ^2/NDF:328808.7/41

All: 10.608+/-0.001 χ^2/NDF: 648443.8/79

asym_bcm_dg_us_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 130.238+/-50.265 χ^2/NDF:8.3/21

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 131.270+/-44.932 χ^2/NDF:7.6/21

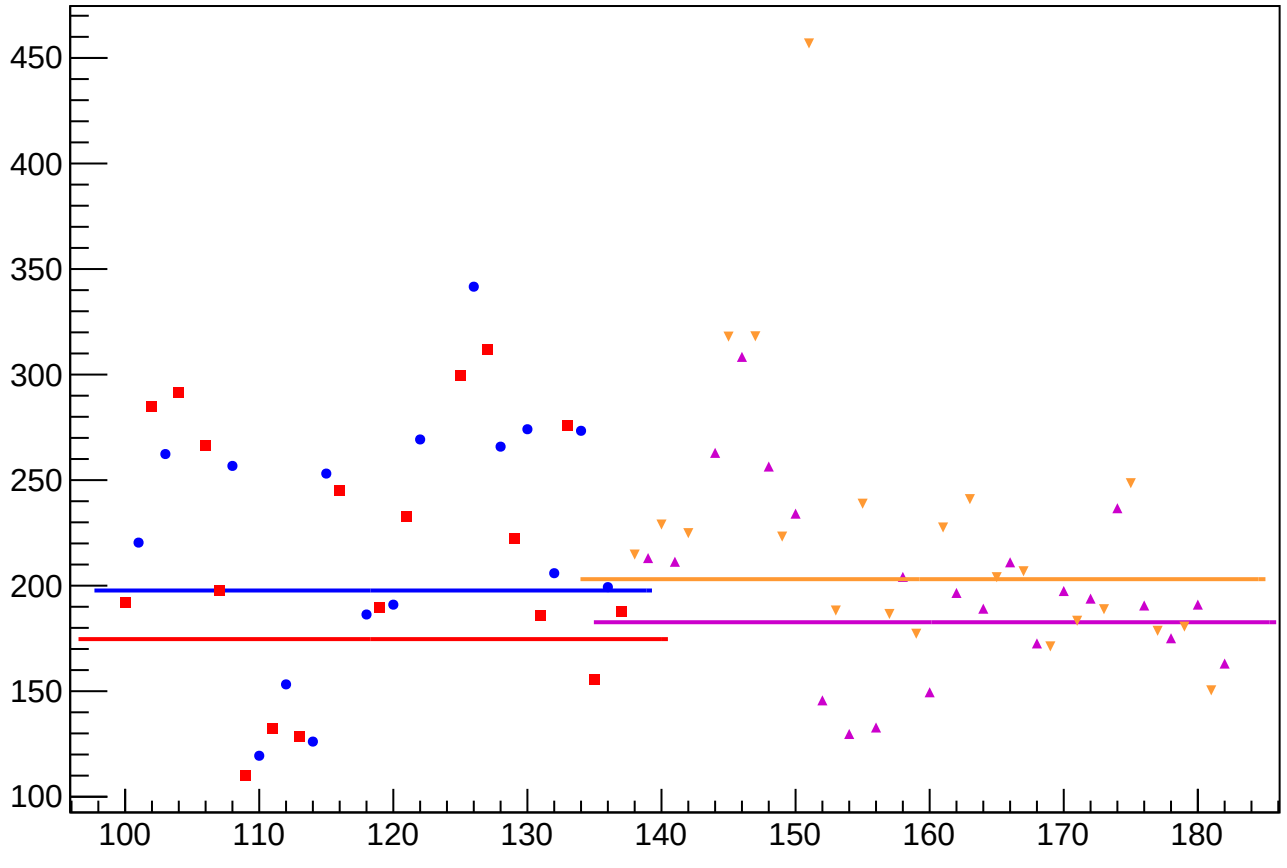
Left: 130.812+/-33.499 χ^2/NDF: 15.9/43

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 87.403+/-38.882 χ^2/NDF:26.8/37

Out: 38.540+/-40.796 χ^2/NDF:29.5/39

All: 64.145+/-28.146 χ^2/NDF: 57.1/77



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 203.072+/-0.036 χ^2/NDF:1518208.2/21

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 182.673+/-0.032 χ^2/NDF:1572249.6/21

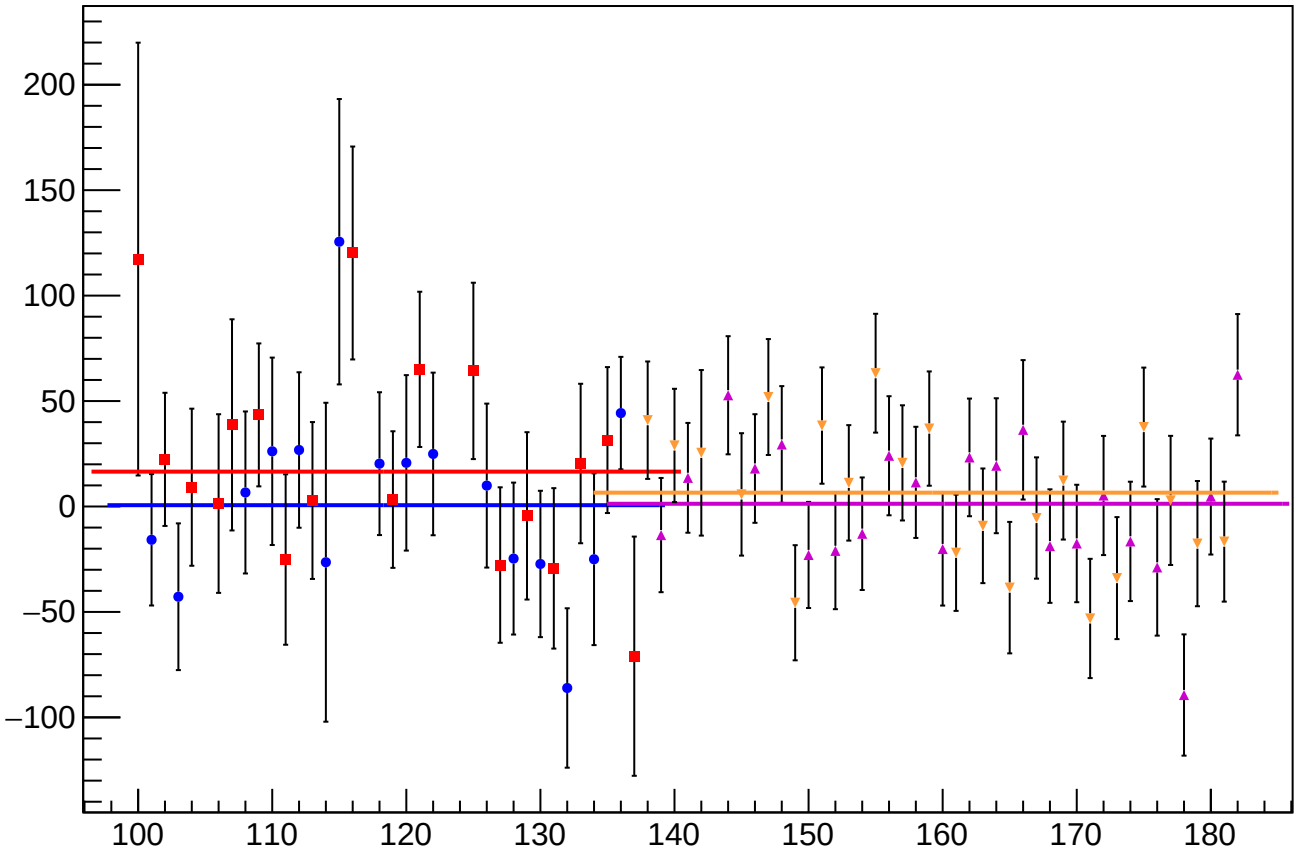
Left: 191.734+/-0.024 χ^2/NDF: 3273552.3/43

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 186.449+/-0.027 χ^2/NDF:2628812.4/37

Out: 193.382+/-0.029 χ^2/NDF:3270750.8/39

All: 189.749+/-0.020 χ^2/NDF: 5929831.5/77



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 6.561+/-6.073 χ^2/NDF:28.4/21

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 1.294+/-5.939 χ^2/NDF:27.5/21

Left: 3.869+/-4.246 χ^2/NDF: 56.3/43

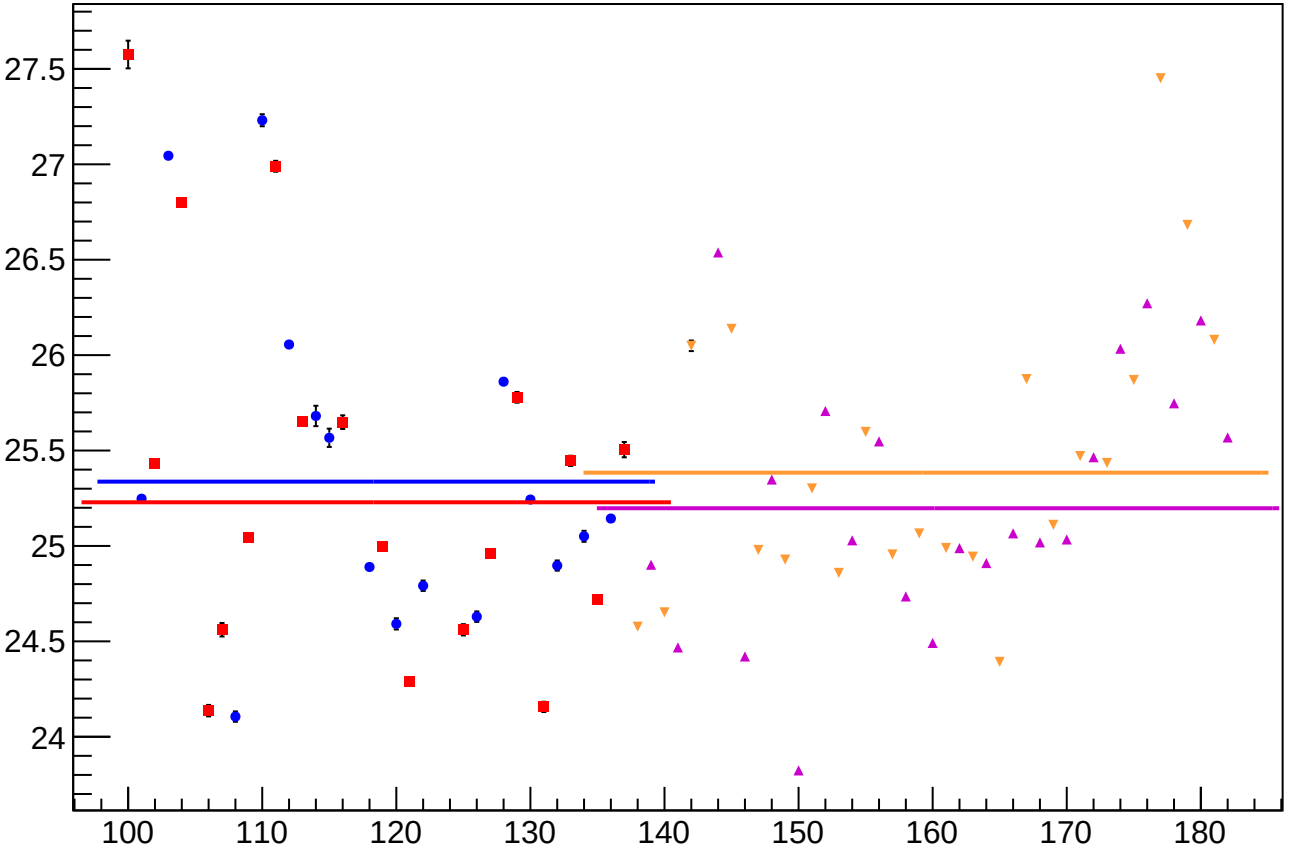
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 1.102+/-5.024 χ^2/NDF:44.2/37

Out: 9.539+/-5.086 χ^2/NDF:45.6/39

All: 5.269+/-3.574 χ^2/NDF: 91.3/77

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: 25.384+/-0.004 χ^2/NDF:26205.6/21

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.198+/-0.004 χ^2/NDF:25515.1/21

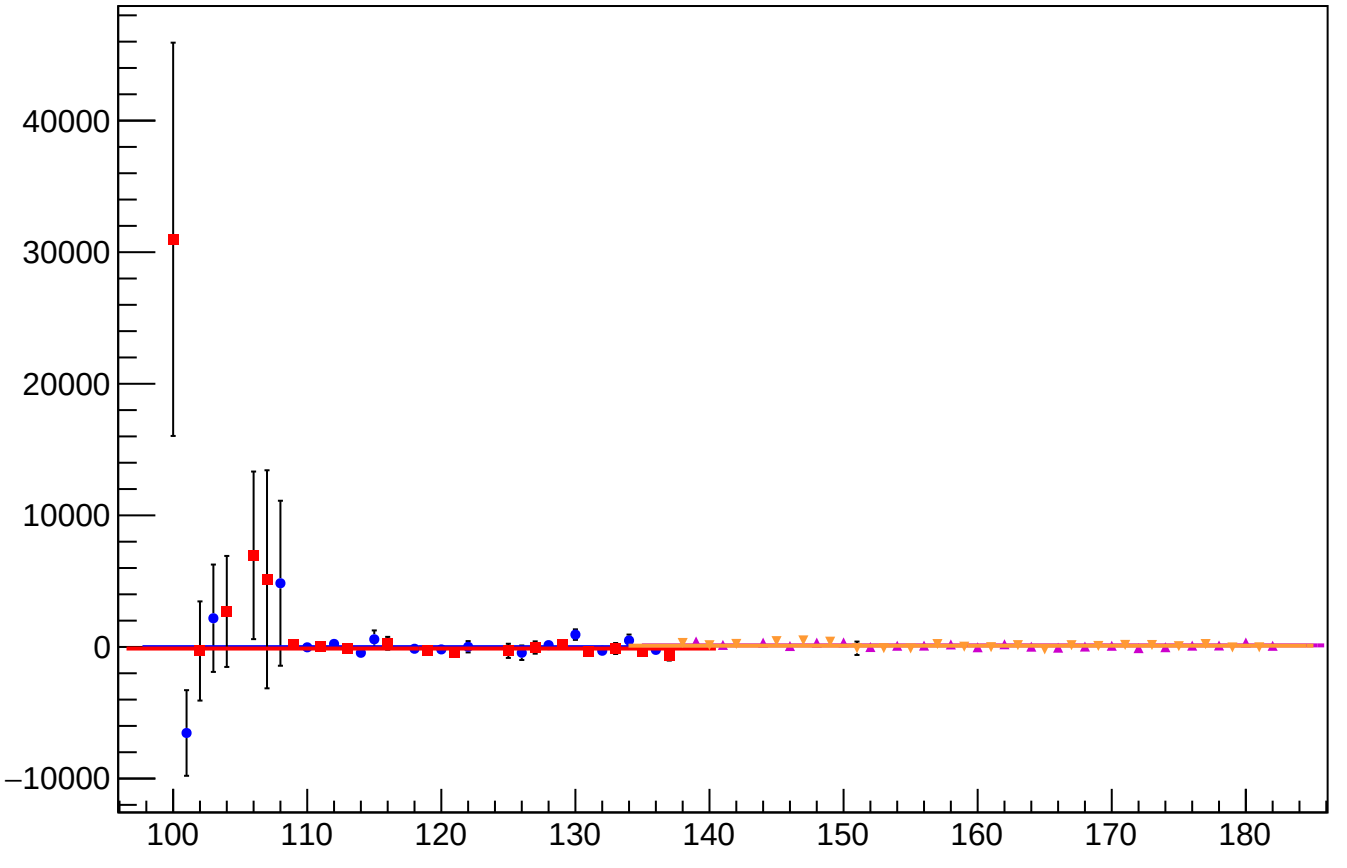
Left: 25.289+/-0.003 χ^2/NDF: 52684.8/43

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.237+/-0.004 χ^2/NDF:40143.6/37

Out: 25.338+/-0.004 χ^2/NDF:41772.2/39

All: 25.287+/-0.003 χ^2/NDF: 82310.8/77



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 97.168+/-49.944 χ^2/NDF:9.5/21

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 119.920+/-45.307 χ^2/NDF:8.1/21

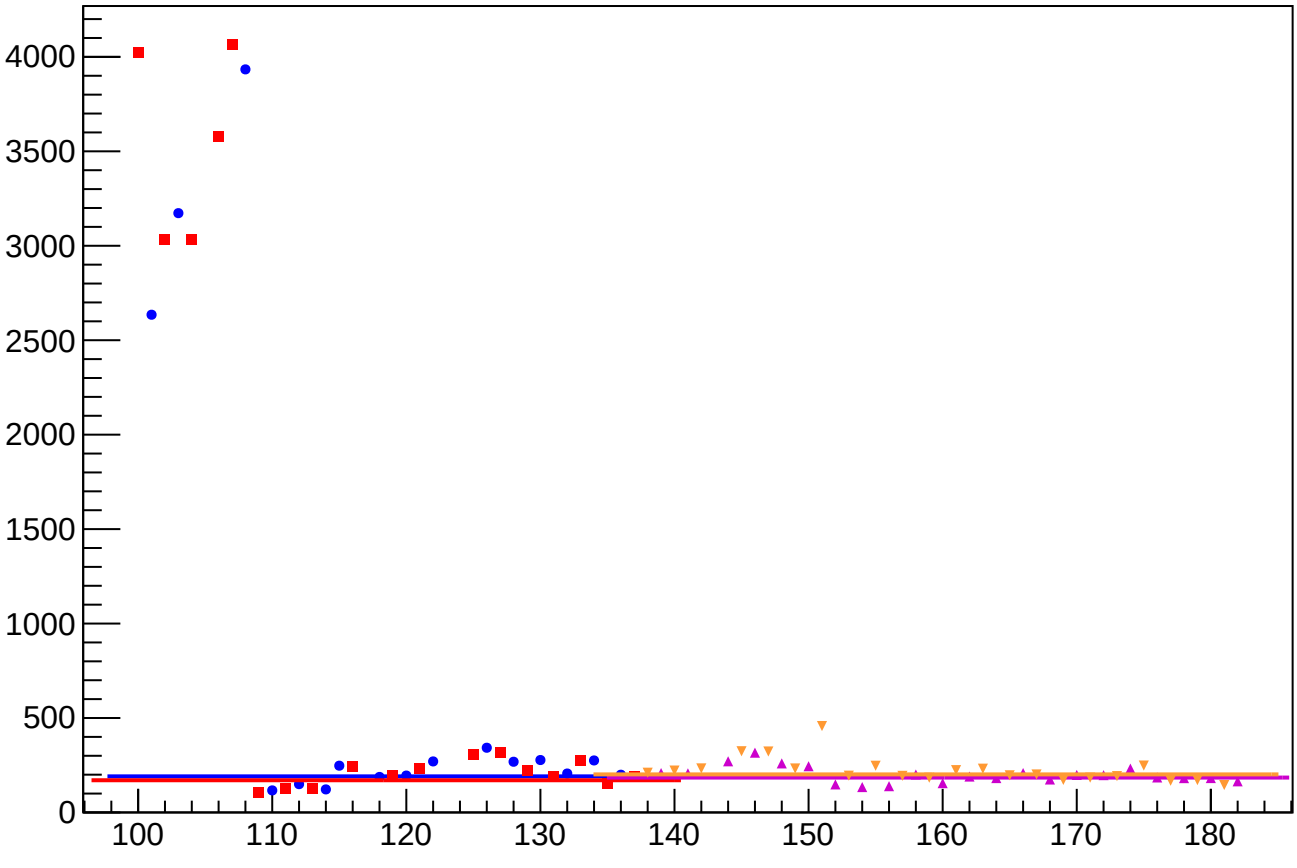
Left: 109.649+/-33.557 χ^2/NDF: 17.8/43

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 90.180+/-39.925 χ^2/NDF:28.4/37

Out: 34.309+/-42.099 χ^2/NDF:29.4/39

All: 63.724+/-28.969 χ^2/NDF: 58.7/77



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 201.477+/-0.035 χ^2/NDF:1640041.7/21

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 184.640+/-0.032 χ^2/NDF:1430643.9/21

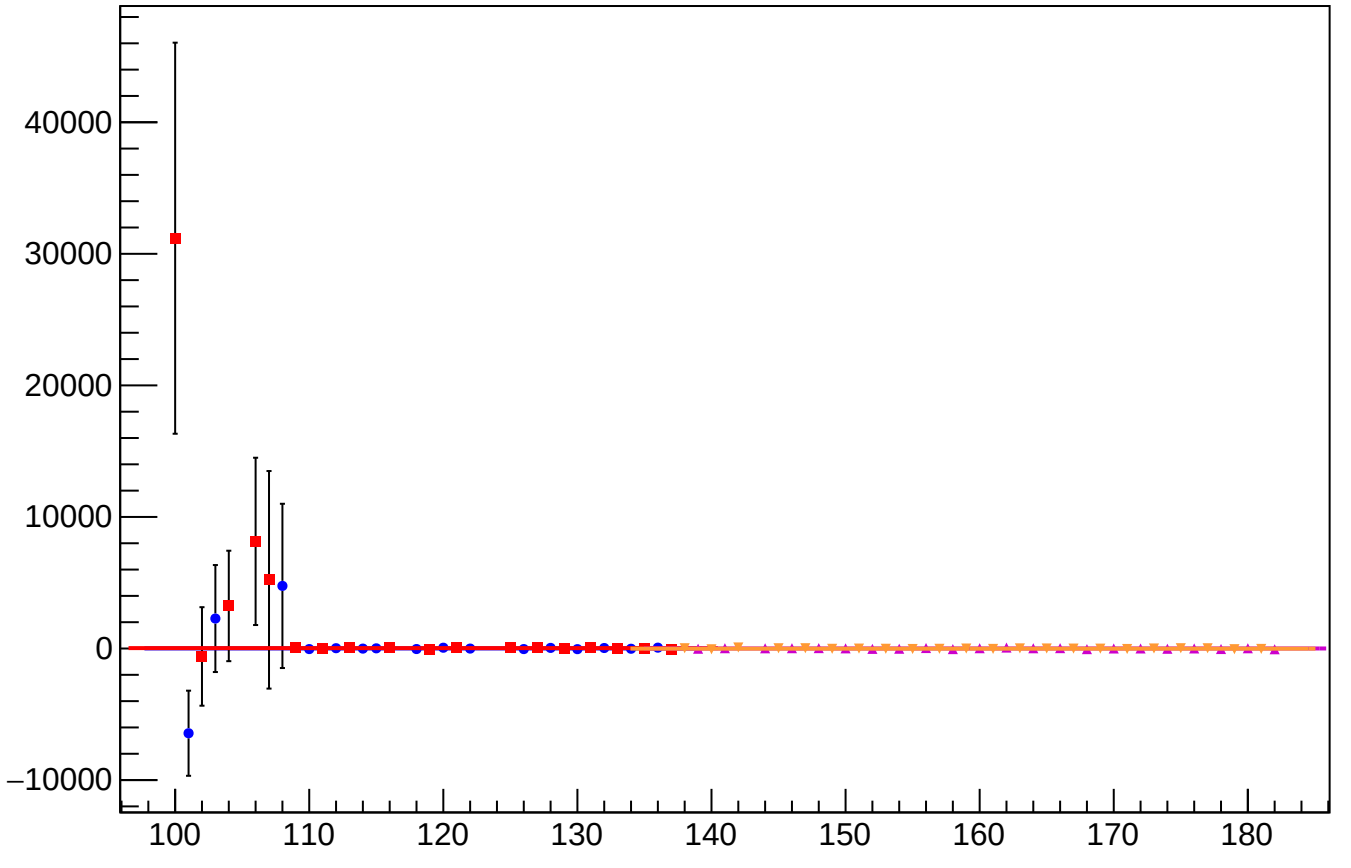
Left: 192.241+/-0.024 χ^2/NDF: 3195374.0/43

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 186.077+/-0.028 χ^2/NDF:5273598.9/37

Out: 192.508+/-0.030 χ^2/NDF:6117667.9/39

All: 189.122+/-0.020 χ^2/NDF: 11415840.8/77



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.407+/-6.850 χ^2/NDF:15.9/21

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 2.964+/-6.788 χ^2/NDF:22.0/21

Left: -3.165+/-4.822 χ^2/NDF: 39.5/43

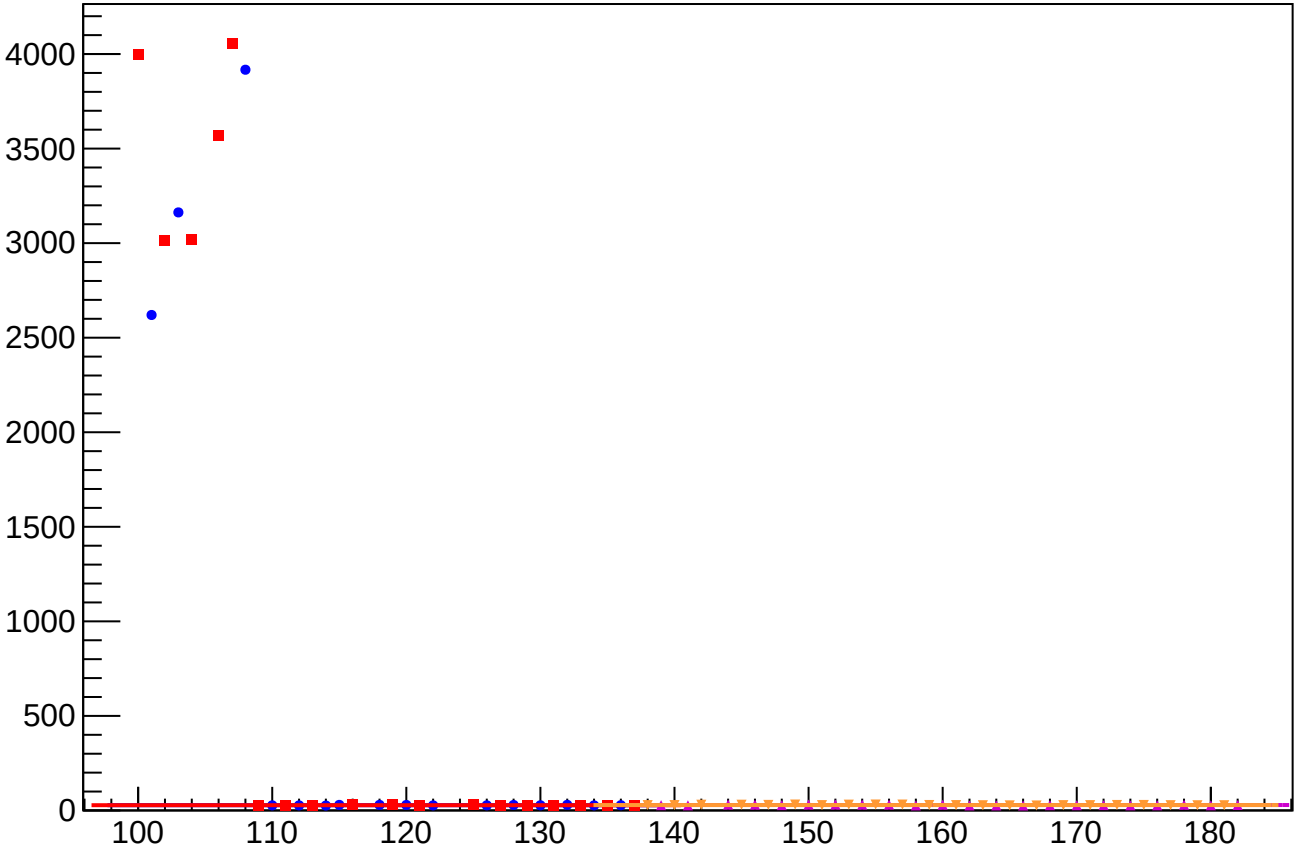
Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 3.844+/-5.880 χ^2/NDF:40.3/37

Out: 0.357+/-5.959 χ^2/NDF:44.1/39

All: 2.124+/-4.185 χ^2/NDF: 84.7/77

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.594+/-0.005 χ^2/NDF:80995.9/21

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.730+/-0.005 χ^2/NDF:127373.2/21

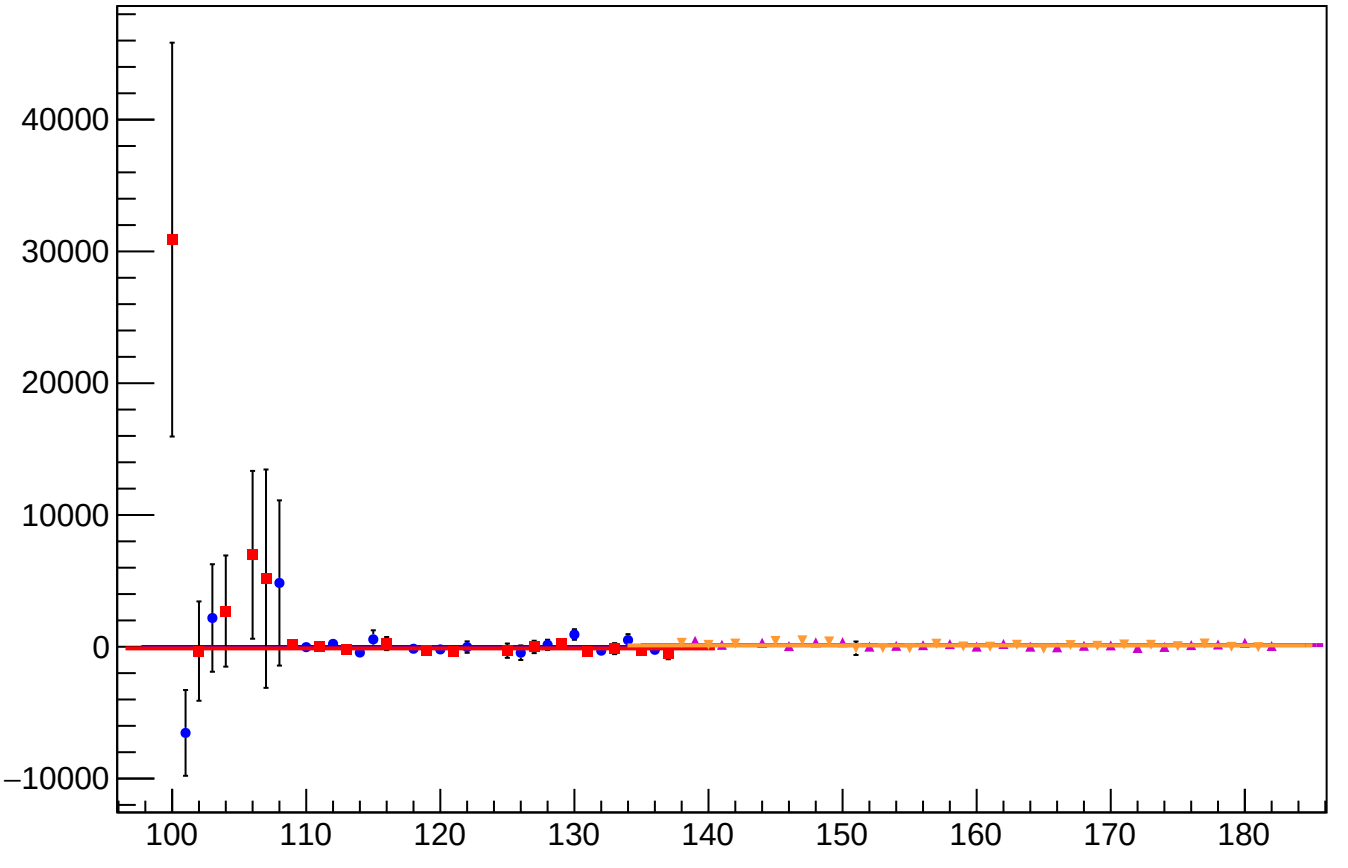
Left: 28.662+/-0.003 χ^2/NDF: 208766.4/43

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.504+/-0.004 χ^2/NDF:3402142.8/37

Out: 28.395+/-0.004 χ^2/NDF:3646286.7/39

All: 28.450+/-0.003 χ^2/NDF: 7048764.0/77



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 103.705+/-50.372 χ^2/NDF:9.3/21

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 127.282+/-45.724 χ^2/NDF:7.6/21

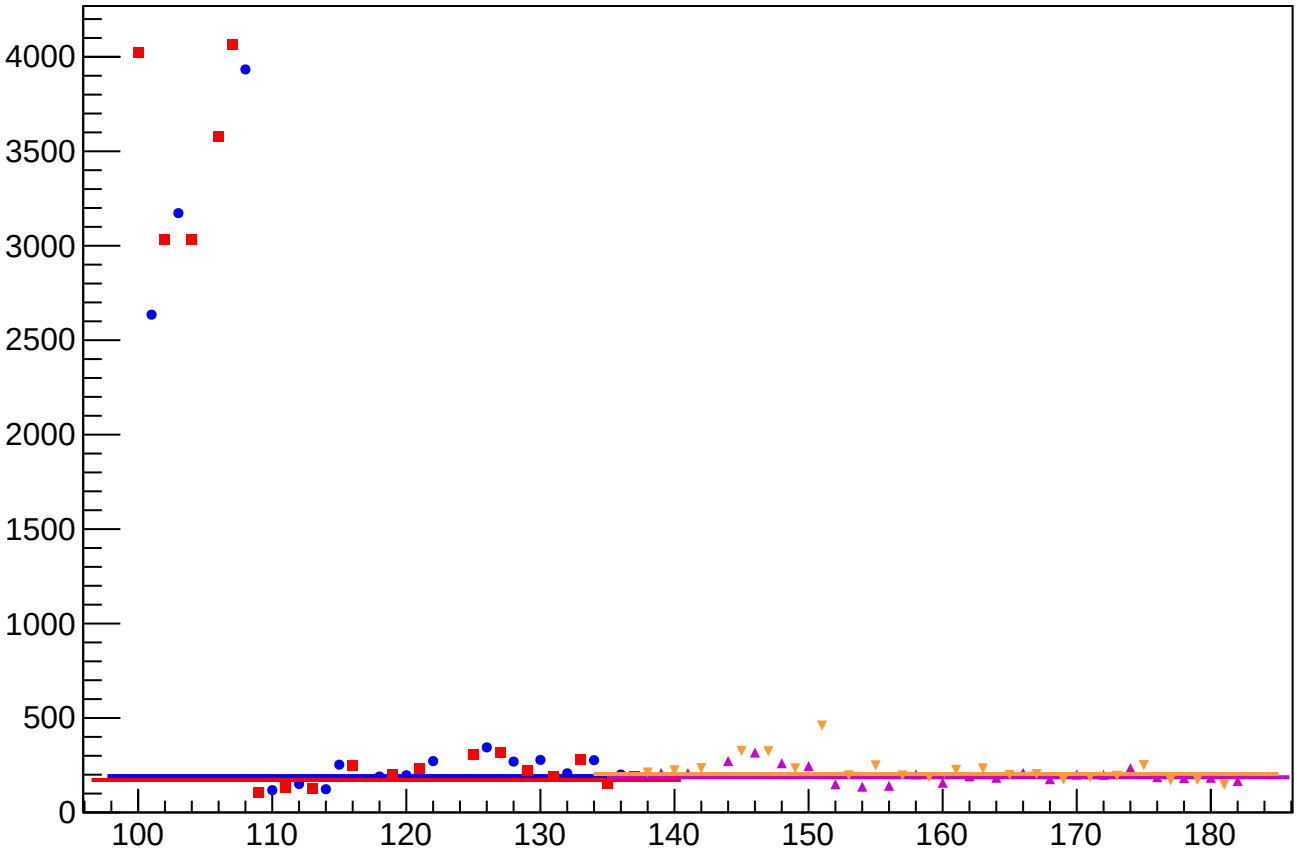
Left: 116.631+/-33.856 χ^2/NDF: 17.0/43

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 94.373+/-40.274 χ^2/NDF:28.1/37

Out: 38.414+/-42.449 χ^2/NDF:28.4/39

All: 67.863+/-29.217 χ^2/NDF: 57.3/77



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 203.300+/-0.036 χ^2/NDF:1618070.4/21

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 186.467+/-0.032 χ^2/NDF:1390679.8/21

Left: 194.071+/-0.024 χ^2/NDF: 3131206.8/43

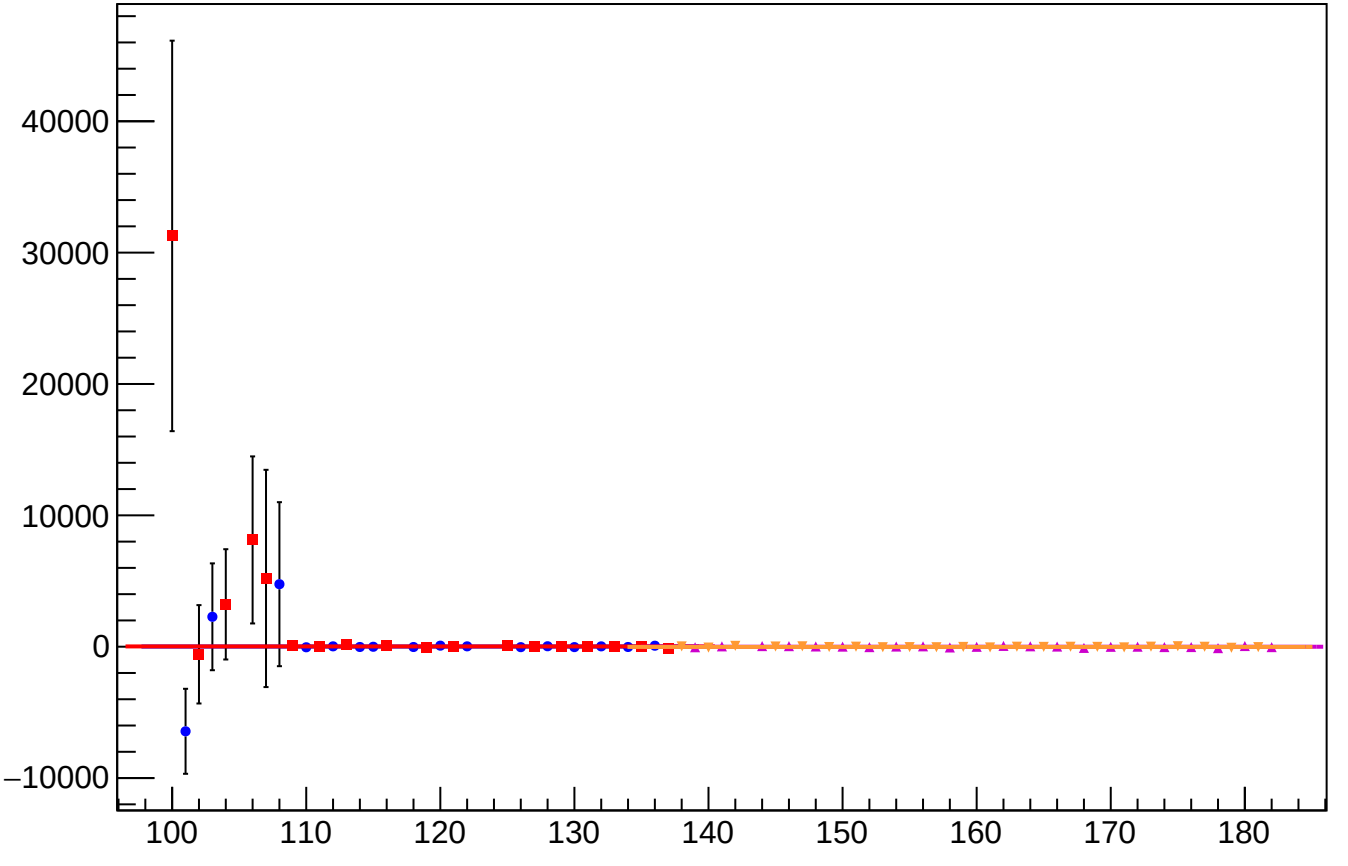
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 187.833+/-0.028 χ^2/NDF:5221430.8/37

Out: 194.198+/-0.030 χ^2/NDF:6091160.9/39

All: 190.848+/-0.021 χ^2/NDF: 11336260.0/77

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: -16.775+/-7.469 χ^2/NDF:19.0/21

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: -2.824+/-7.407 χ^2/NDF:35.5/21

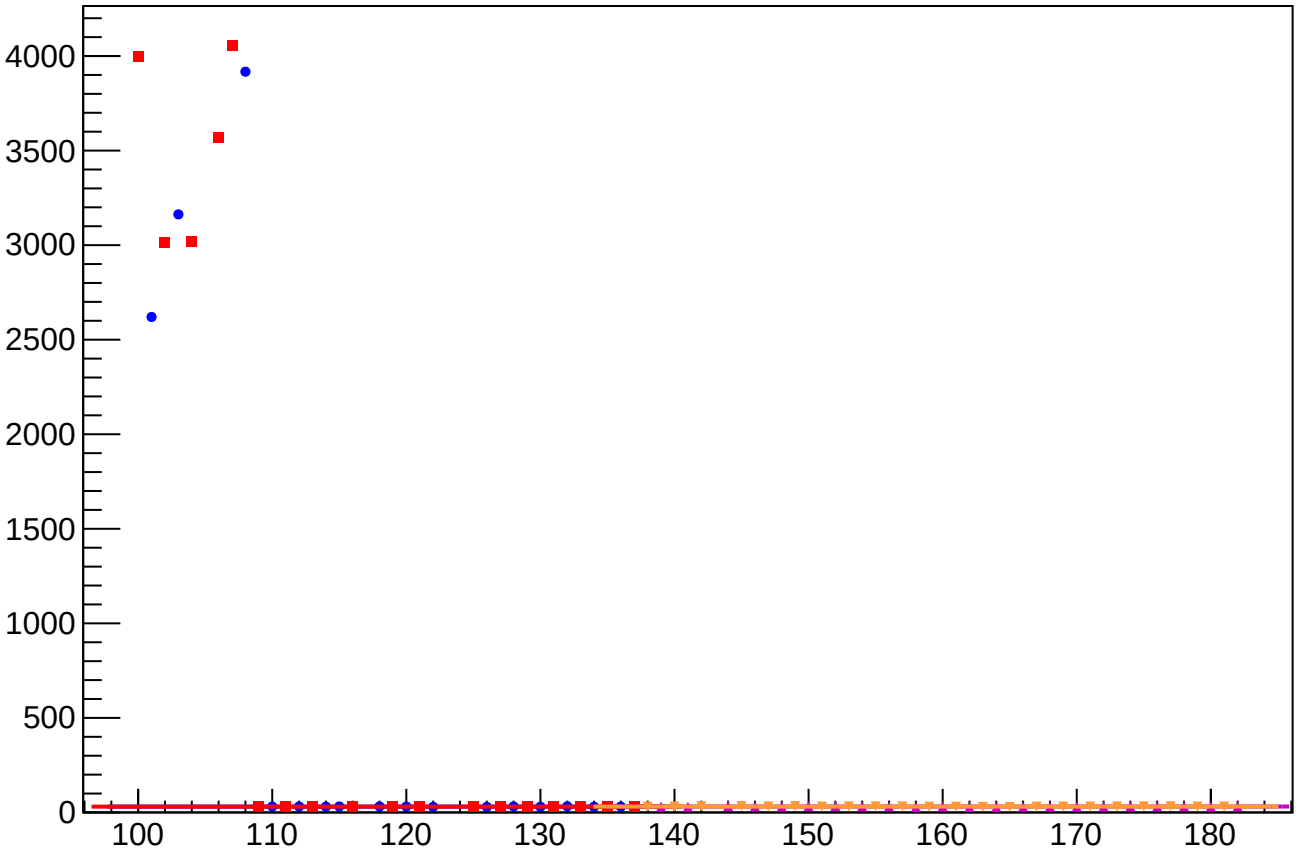
Left: -9.741+/-5.259 χ^2/NDF: 56.3/43

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 1.199+/-6.443 χ^2/NDF:52.2/37

Out: -7.588+/-6.522 χ^2/NDF:53.8/39

All: -3.141+/-4.583 χ^2/NDF: 106.8/77



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.198+/-0.005 χ^2/NDF:46959.1/21

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.373+/-0.005 χ^2/NDF:85124.7/21

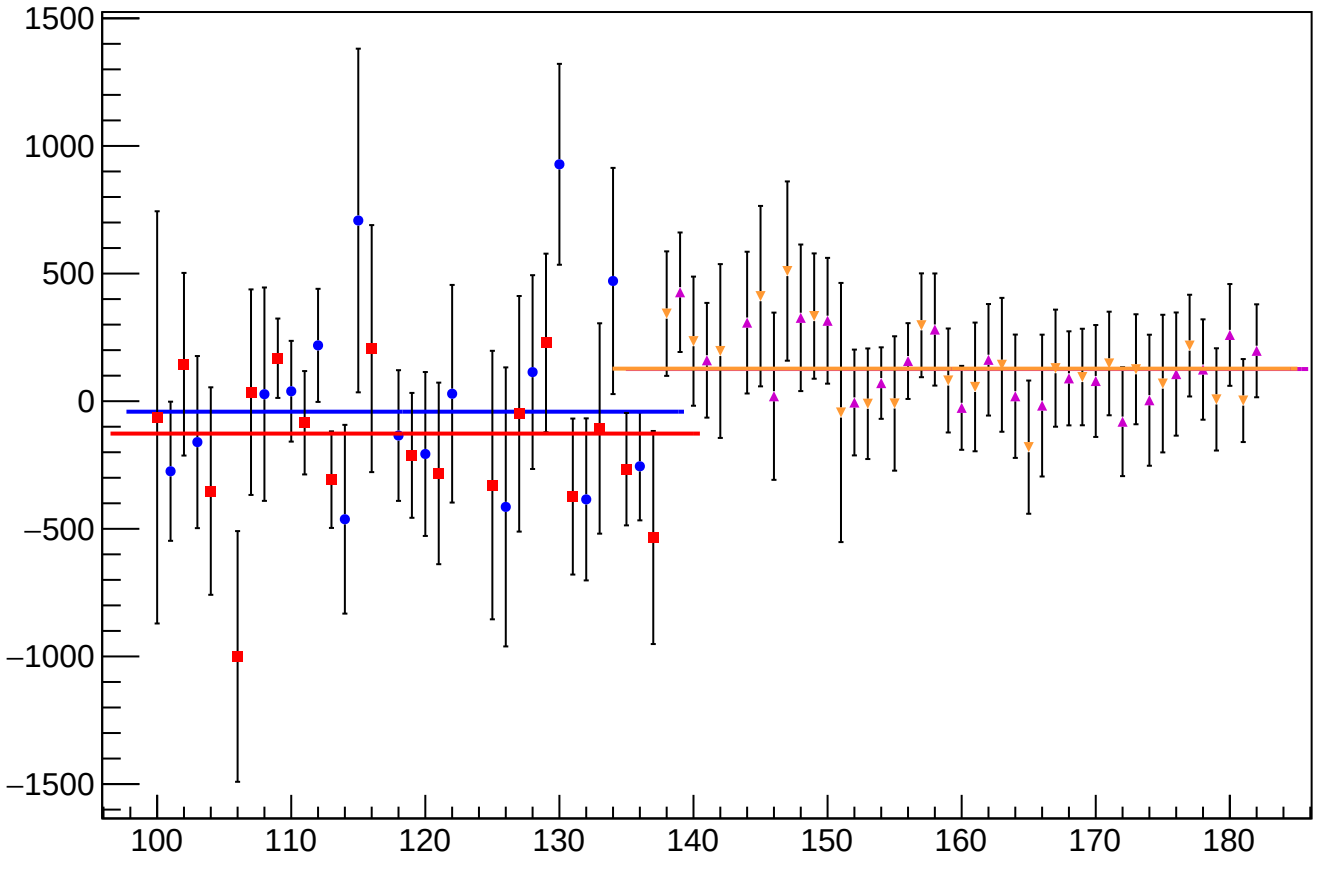
Left: 31.286+/-0.004 χ^2/NDF: 132634.3/43

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.265+/-0.005 χ^2/NDF:3339483.3/37

Out: 31.105+/-0.005 χ^2/NDF:3584241.2/39

All: 31.186+/-0.003 χ^2/NDF: 6924333.8/77



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 127.477+/-49.930 χ^2/NDF:7.8/21

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 125.990+/-44.584 χ^2/NDF:7.6/21

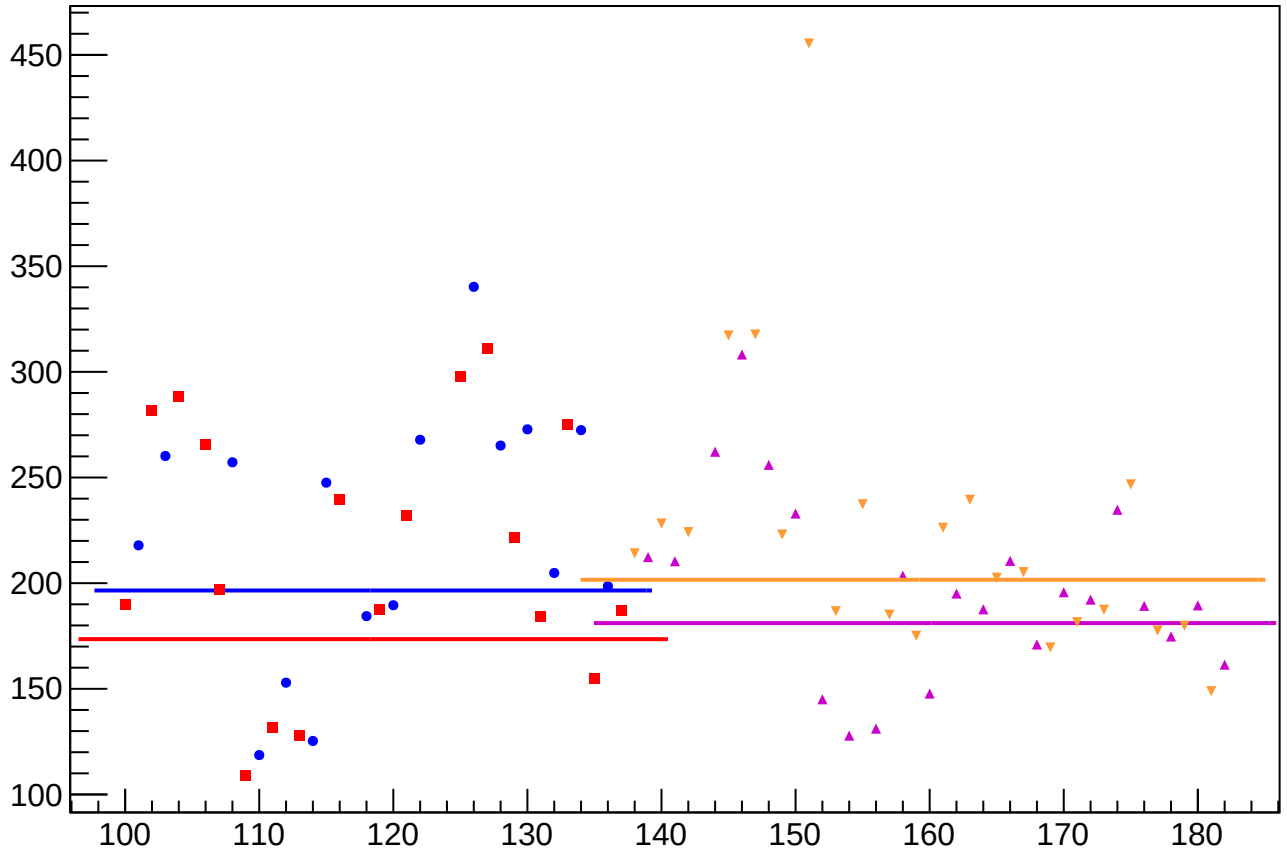
Left: 126.650+/-33.256 χ^2/NDF: 15.4/43

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 84.146+/-38.601 χ^2/NDF:26.7/37

Out: 40.690+/-40.527 χ^2/NDF:29.4/39

All: 63.475+/-27.951 χ^2/NDF: 56.7/77



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 201.614+/-0.035 χ^2/NDF:1543143.1/21

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 181.124+/-0.032 χ^2/NDF:1615823.7/21

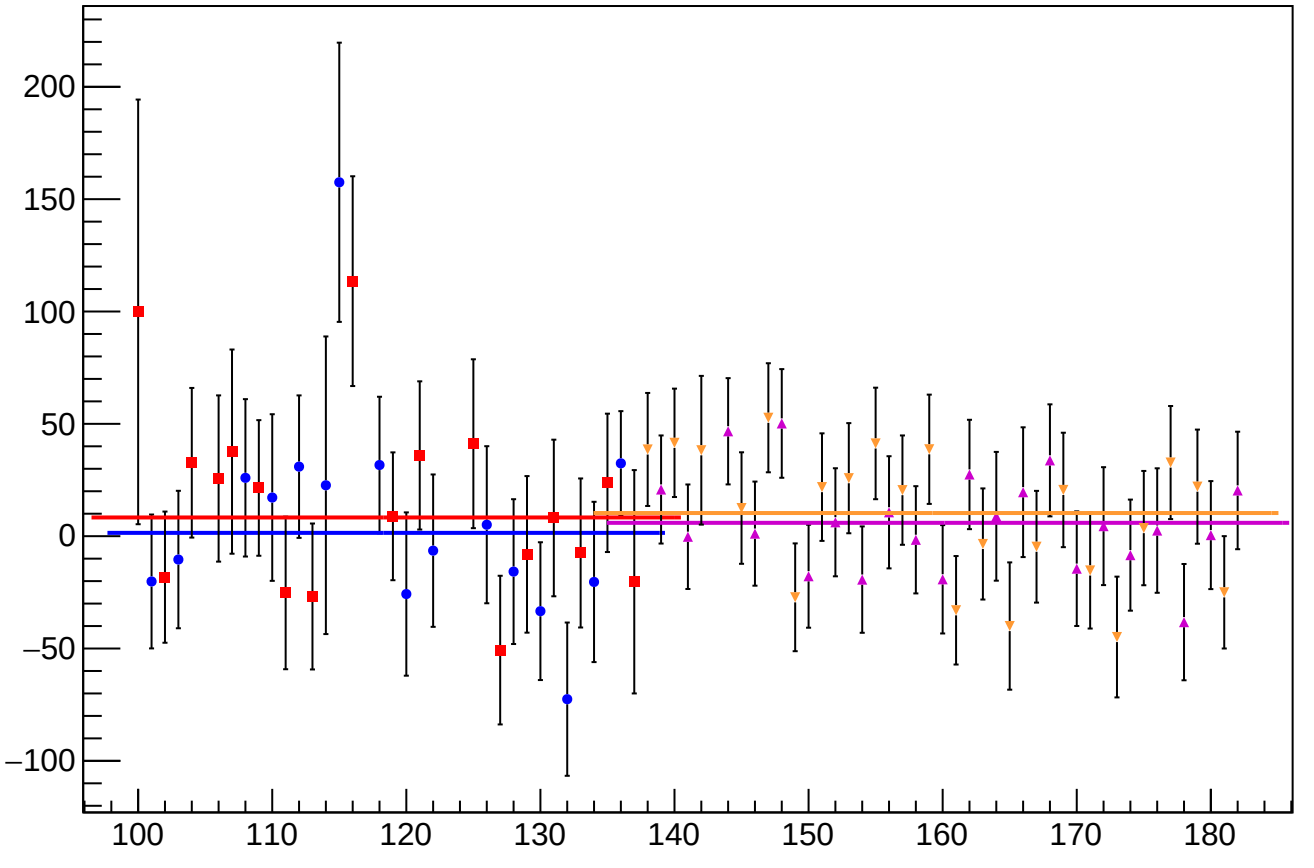
Left: 190.214+/-0.024 χ^2/NDF: 3346362.6/43

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 184.985+/-0.027 χ^2/NDF:2676486.0/37

Out: 192.025+/-0.029 χ^2/NDF:3292064.1/39

All: 188.334+/-0.020 χ^2/NDF: 6000197.2/77



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 10.306+/-5.377 χ^2/NDF:28.4/21

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 5.940+/-5.288 χ^2/NDF:16.8/21

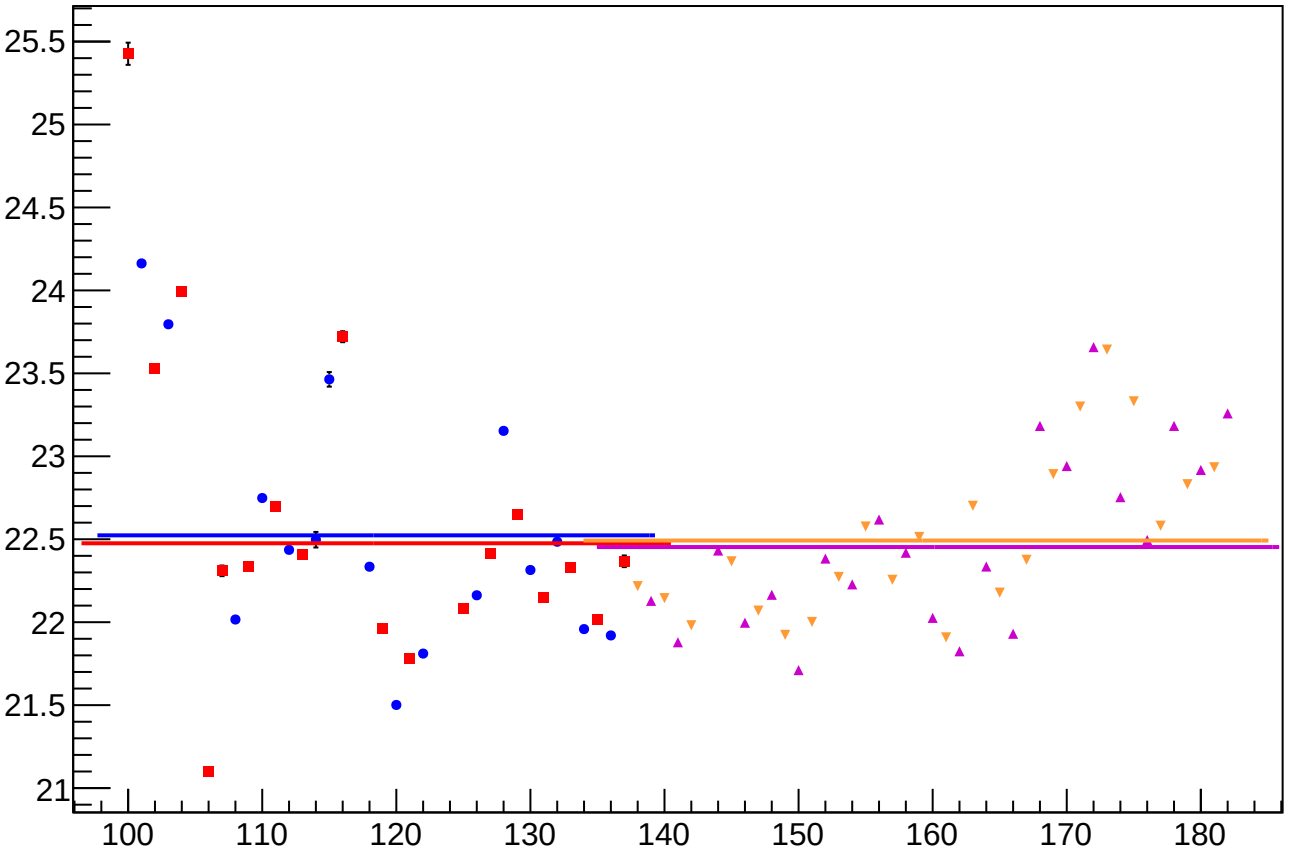
Left: 8.087+/-3.770 χ^2/NDF: 45.5/43

Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 4.666+/-4.471 χ^2/NDF:35.6/37

Out: 9.720+/-4.510 χ^2/NDF:44.4/39

All: 7.171+/-3.175 χ^2/NDF: 80.7/77



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.492+/-0.004 χ^2/NDF:15024.2/21

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.453+/-0.004 χ^2/NDF:18878.6/21

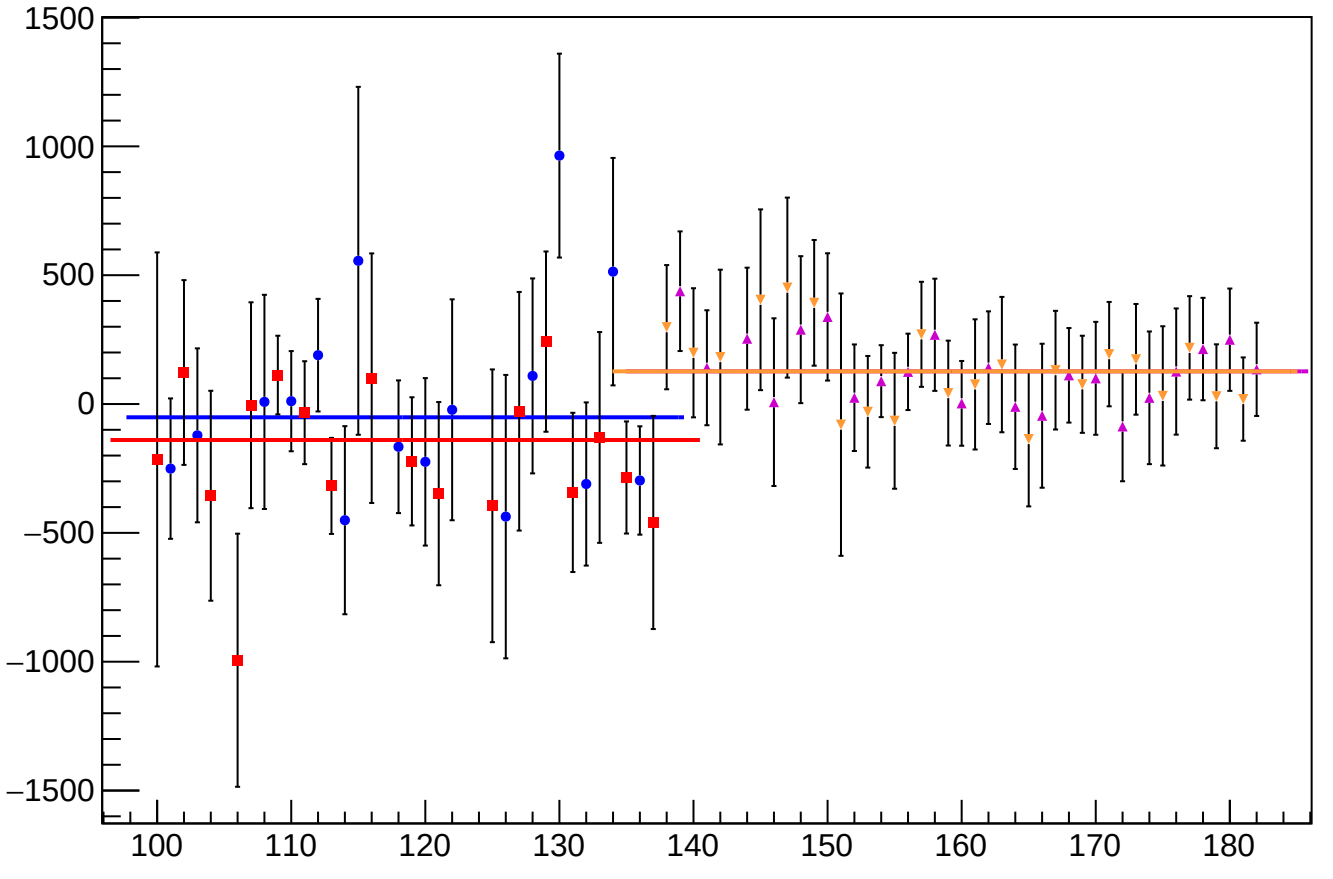
Left: 22.472+/-0.003 χ^2/NDF: 33956.8/43

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.473+/-0.003 χ^2/NDF:34928.0/37

Out: 22.487+/-0.003 χ^2/NDF:30566.4/39

All: 22.480+/-0.002 χ^2/NDF: 65504.3/77



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 126.842+/-49.877 χ^2/NDF:7.5/21

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 126.825+/-44.512 χ^2/NDF:7.0/21

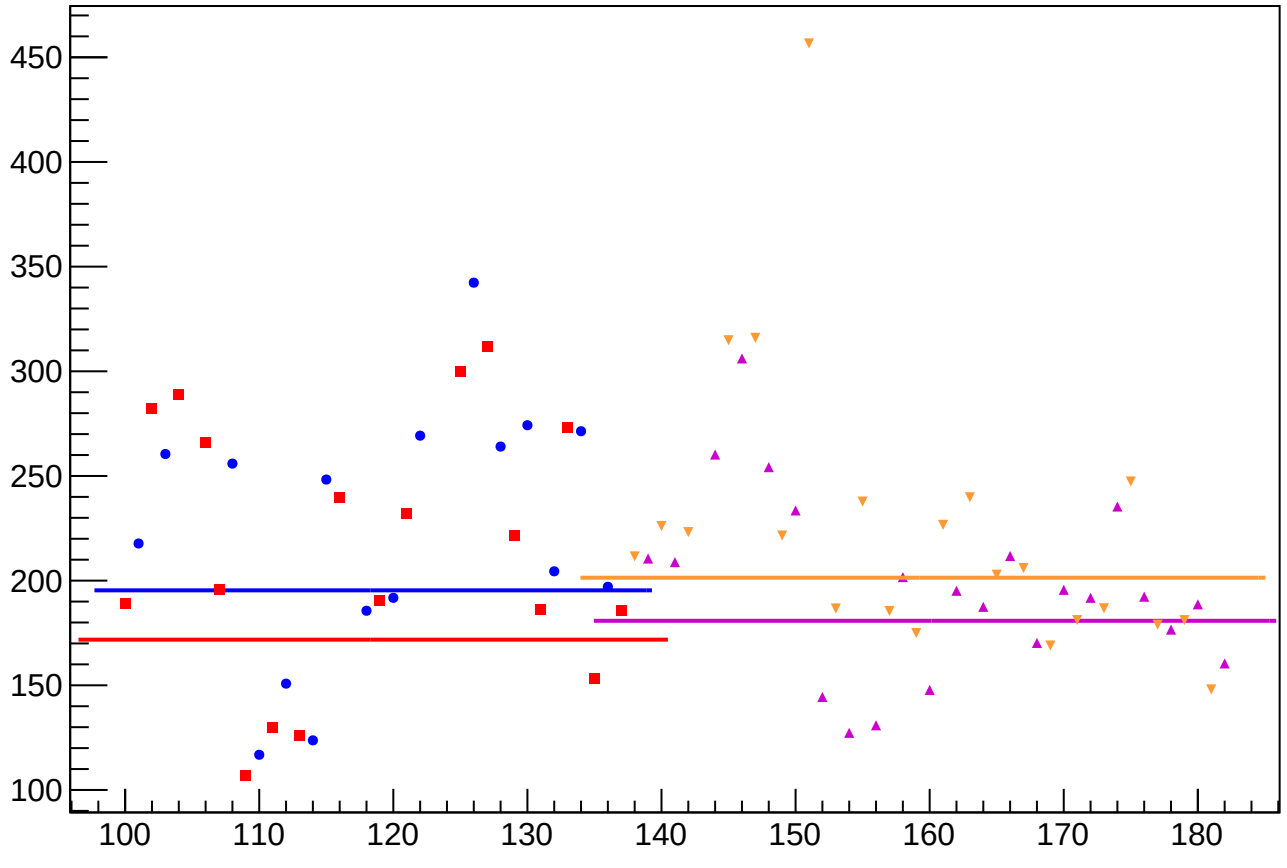
Left: 126.833+/-33.210 χ^2/NDF: 14.5/43

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 81.985+/-38.511 χ^2/NDF:26.4/37

Out: 35.224+/-40.400 χ^2/NDF:28.8/39

All: 59.723+/-27.875 χ^2/NDF: 55.9/77



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 201.395+/-0.035 χ^2/NDF:1537955.6/21

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 180.813+/-0.031 χ^2/NDF:1611739.6/21

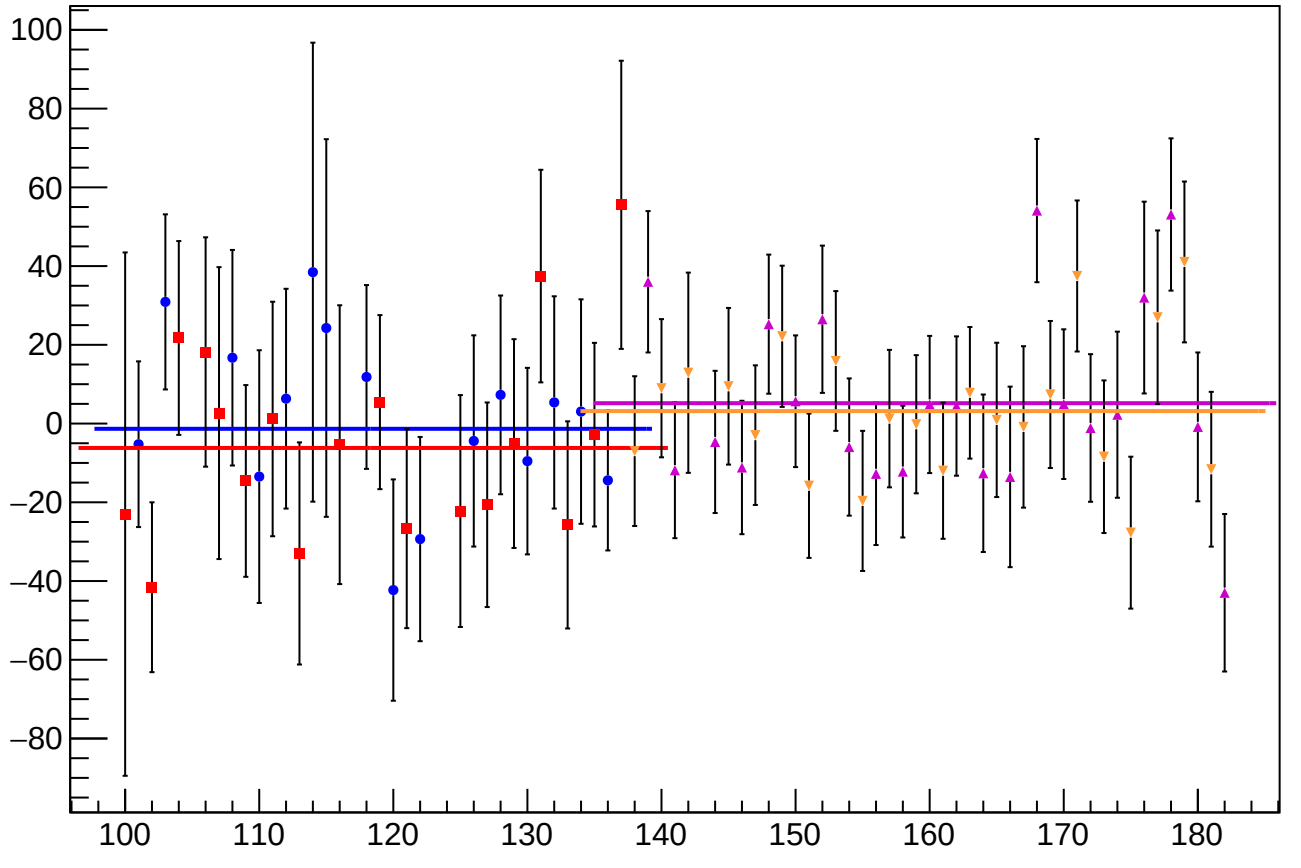
Left: 189.938+/-0.023 χ^2/NDF: 3339283.3/43

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 184.471+/-0.027 χ^2/NDF:2706895.4/37

Out: 191.218+/-0.029 χ^2/NDF:3380716.5/39

All: 187.683+/-0.020 χ^2/NDF: 6116839.8/77



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.165+/-4.013 χ^2/NDF:17.4/21

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 5.177+/-3.953 χ^2/NDF:32.3/21

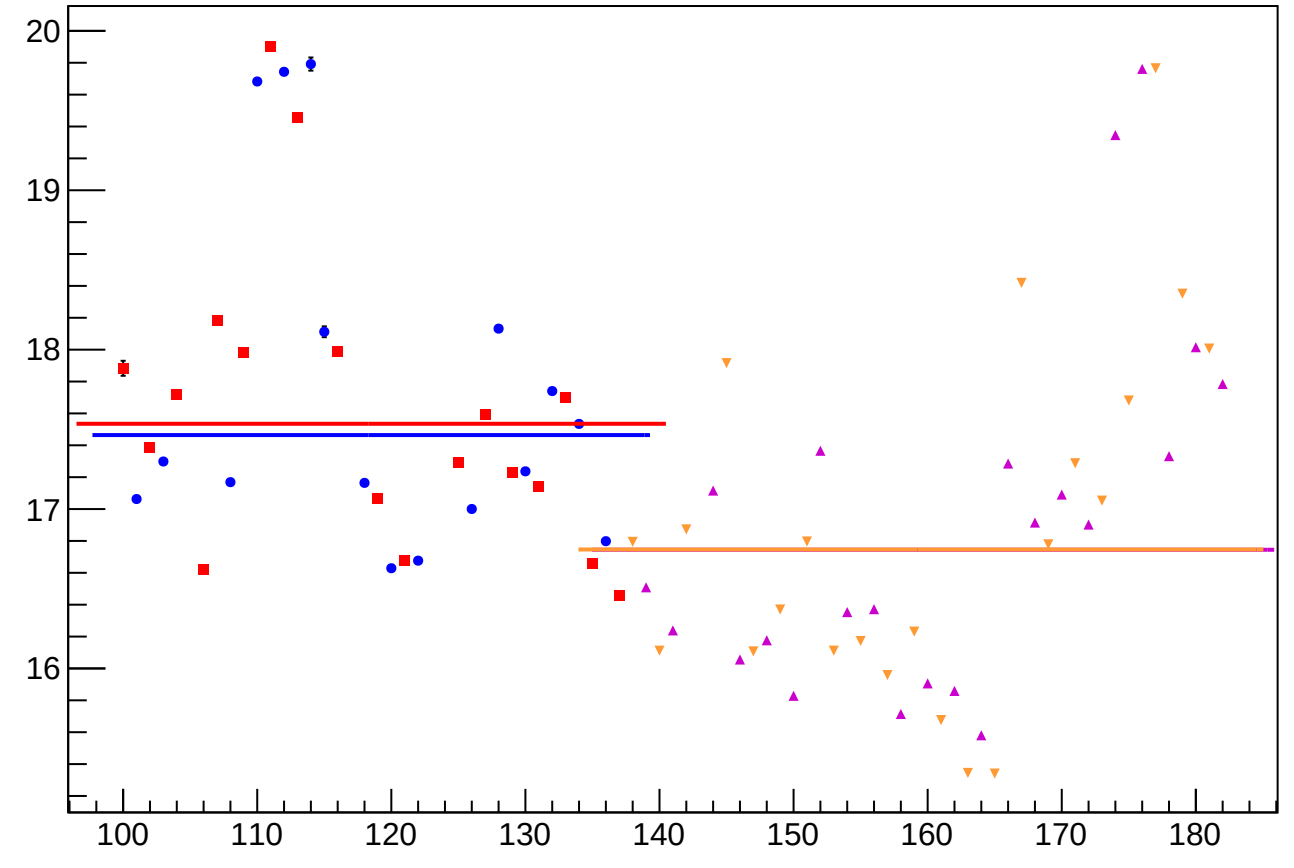
Left: 4.186+/-2.816 χ^2/NDF: 49.8/43

Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 3.419+/-3.377 χ^2/NDF:41.0/37

Out: 0.566+/-3.411 χ^2/NDF:32.4/39

All: 2.007+/-2.400 χ^2/NDF: 73.7/77



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.746+/-0.003 χ^2/NDF:133676.7/21

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.745+/-0.003 χ^2/NDF:121804.3/21

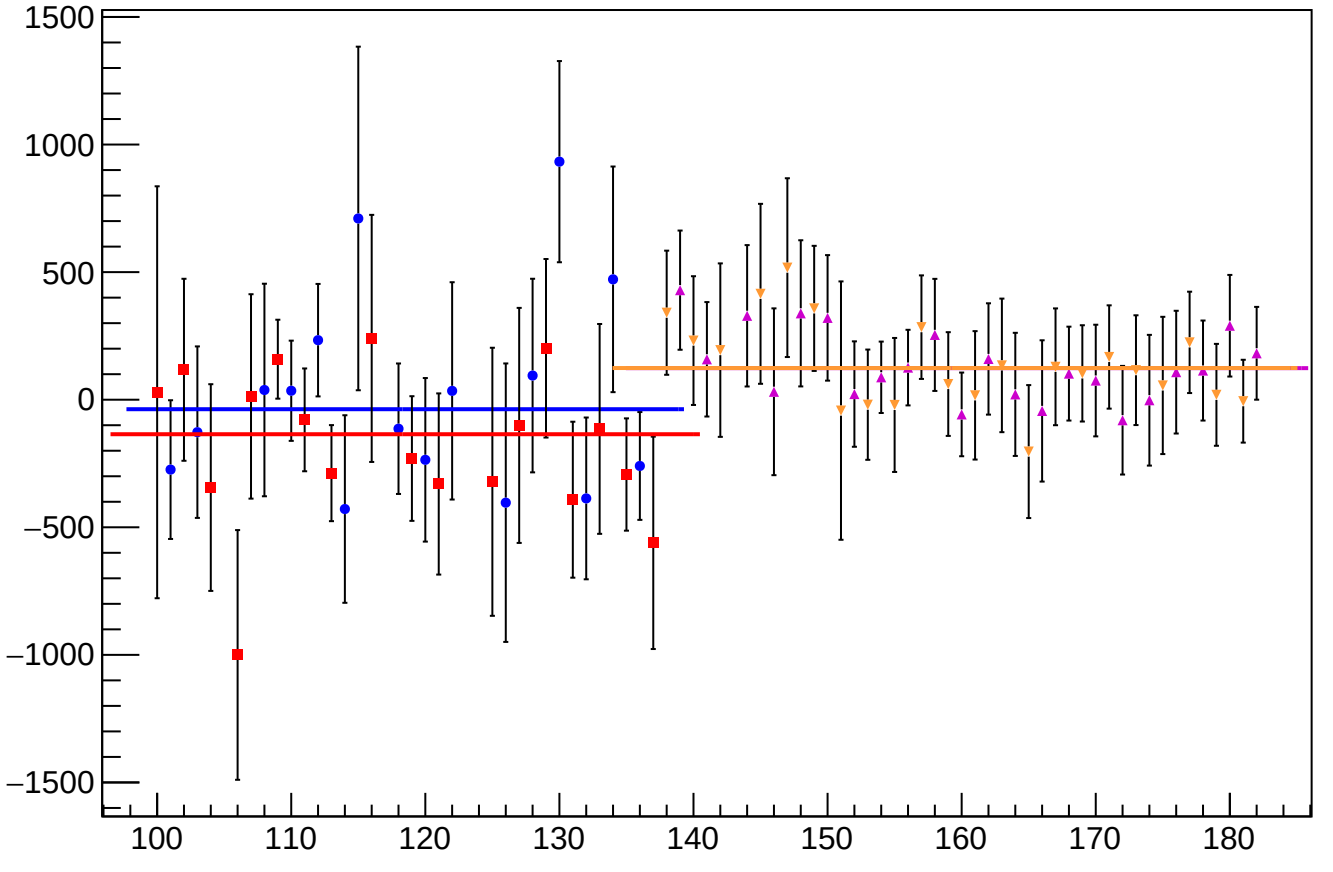
Left: 16.745+/-0.002 χ^2/NDF: 255481.2/43

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.939+/-0.002 χ^2/NDF:176349.9/37

Out: 16.965+/-0.002 χ^2/NDF:189599.6/39

All: 16.952+/-0.002 χ^2/NDF: 366009.7/77



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 124.118+/-49.818 χ^2/NDF:8.5/21

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 123.675+/-44.496 χ^2/NDF:8.1/21

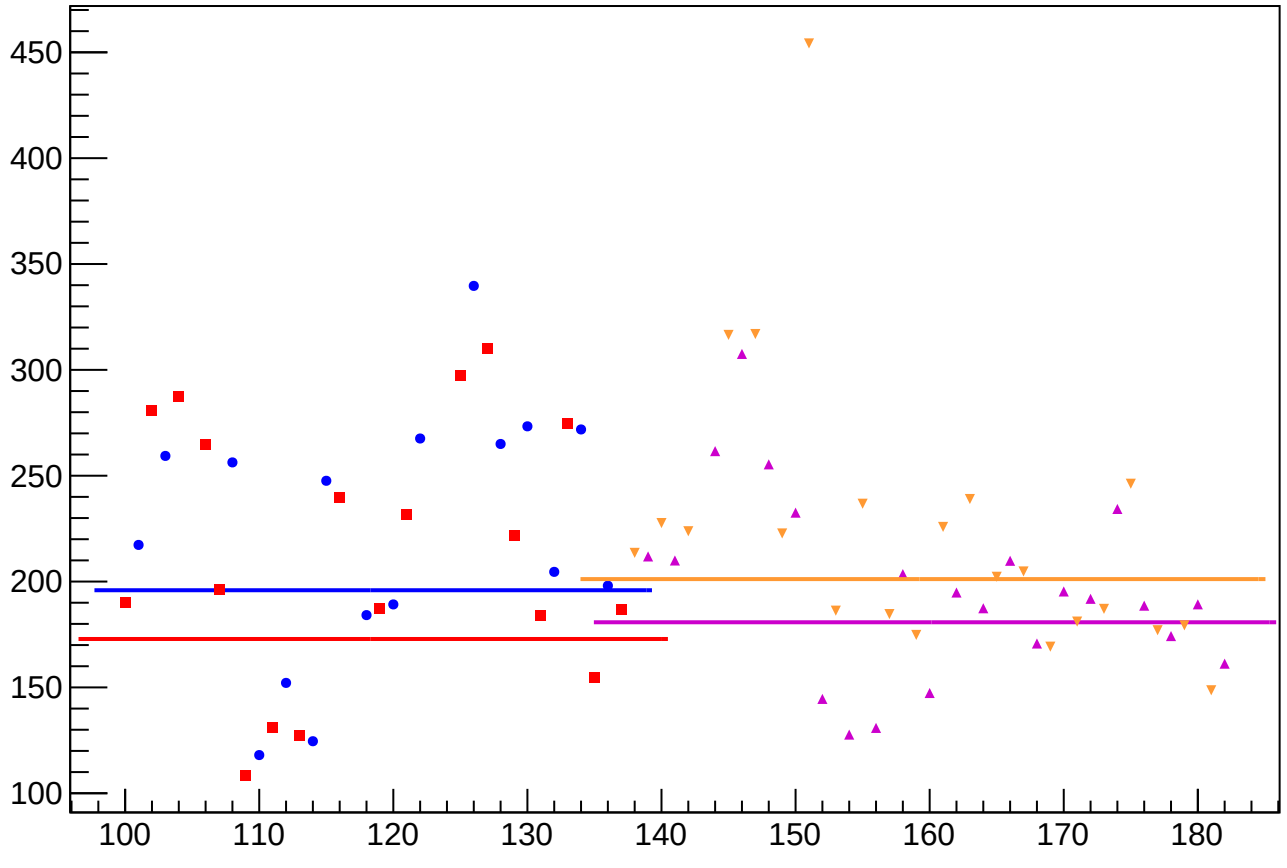
Left: 123.871+/-33.186 χ^2/NDF: 16.6/43

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 83.325+/-38.515 χ^2/NDF:27.0/37

Out: 35.500+/-40.422 χ^2/NDF:30.6/39

All: 60.567+/-27.884 χ^2/NDF: 58.3/77



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 201.164+/-0.035 χ^2/NDF:1542695.1/21

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 180.767+/-0.031 χ^2/NDF:1615622.6/21

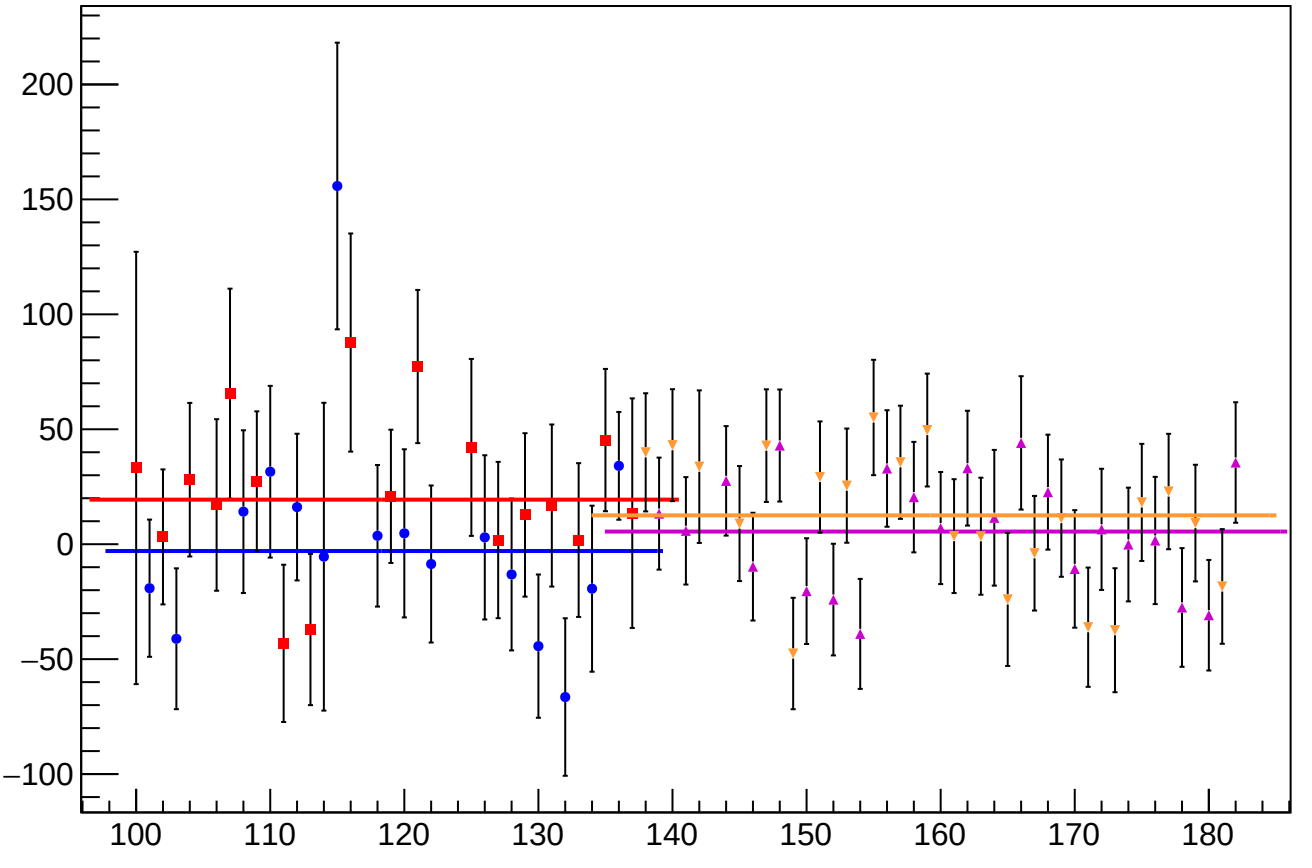
Left: 189.819+/-0.023 χ^2/NDF: 3344809.7/43

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 184.562+/-0.027 χ^2/NDF:2684637.1/37

Out: 191.499+/-0.029 χ^2/NDF:3306311.2/39

All: 187.863+/-0.020 χ^2/NDF: 6021824.1/77



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 12.551+/-5.426 χ^2/NDF:28.6/21

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 5.499+/-5.329 χ^2/NDF:20.7/21

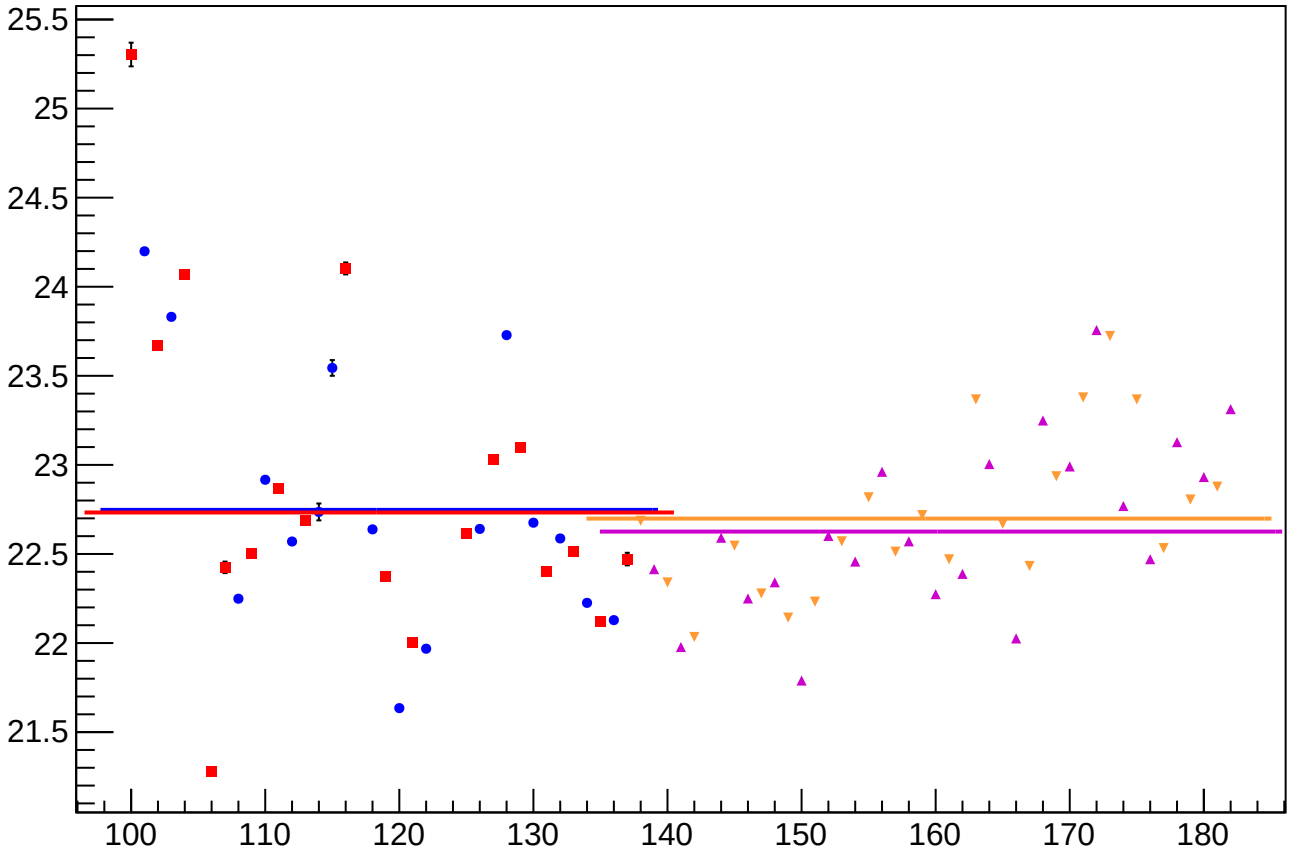
Left: 8.961+/-3.802 χ^2/NDF: 50.2/43

Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 3.092+/-4.508 χ^2/NDF:39.4/37

Out: 14.570+/-4.555 χ^2/NDF:43.6/39

All: 8.772+/-3.204 χ^2/NDF: 86.2/77



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.699+/-0.004 χ^2/NDF:11730.1/21

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.626+/-0.004 χ^2/NDF:15286.4/21

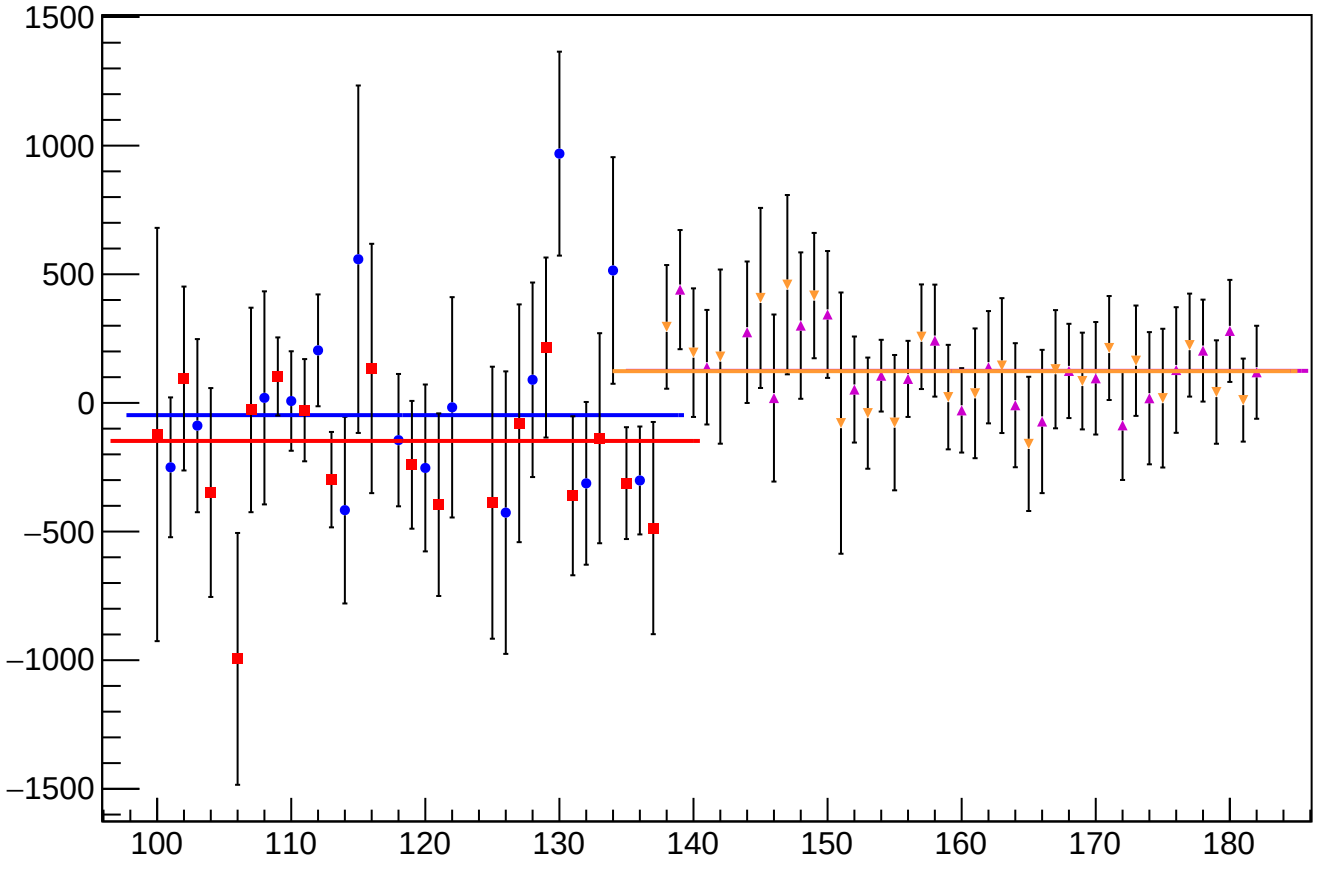
Left: 22.661+/-0.003 χ^2/NDF: 27200.7/43

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.660+/-0.003 χ^2/NDF:30206.3/37

Out: 22.709+/-0.003 χ^2/NDF:26143.3/39

All: 22.684+/-0.002 χ^2/NDF: 56464.0/77



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 123.403+/-49.765 χ^2/NDF:8.3/21

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 124.586+/-44.424 χ^2/NDF:7.6/21

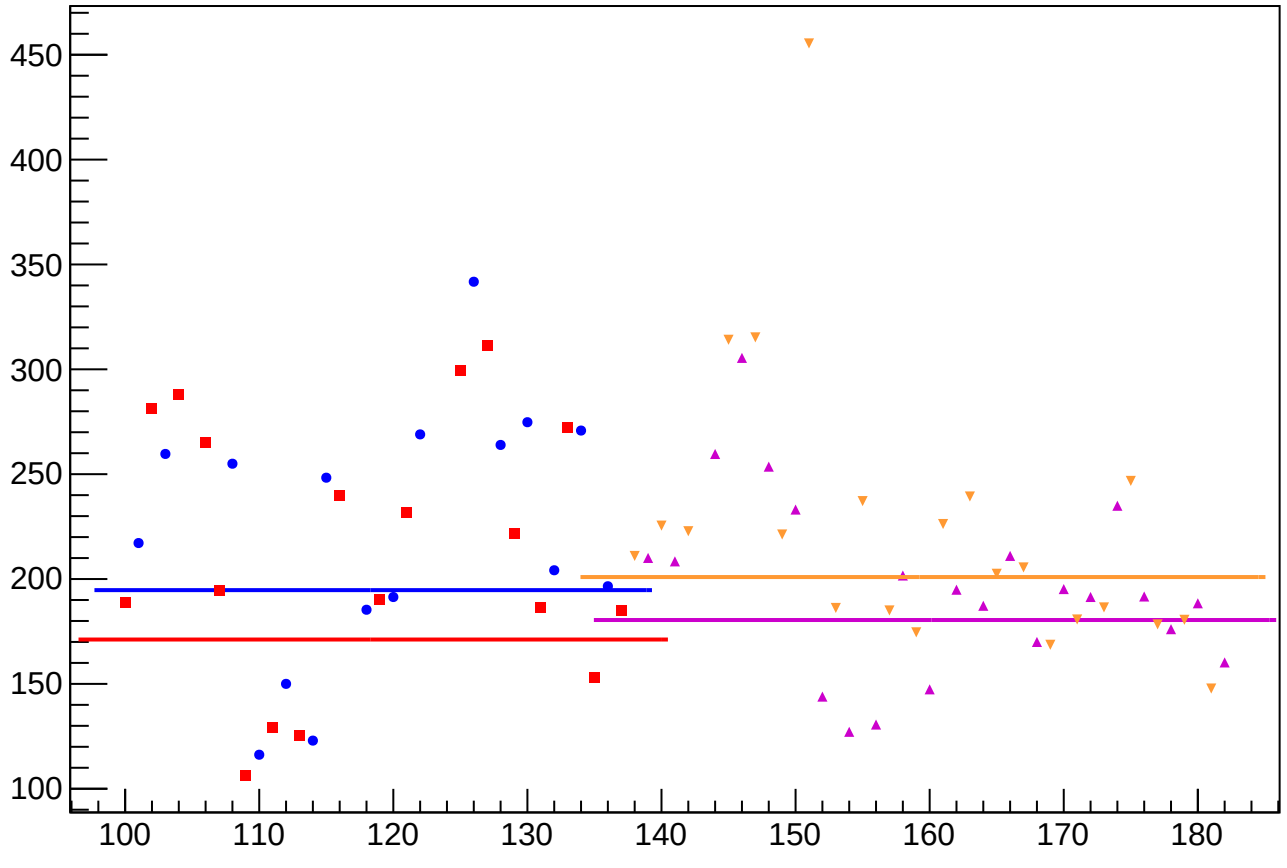
Left: 124.061+/-33.141 χ^2/NDF: 15.8/43

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 81.243+/-38.426 χ^2/NDF:26.7/37

Out: 29.993+/-40.294 χ^2/NDF:30.0/39

All: 56.834+/-27.808 χ^2/NDF: 57.6/77



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 200.945+/-0.035 χ^2/NDF:1537511.6/21

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 180.459+/-0.031 χ^2/NDF:1611293.0/21

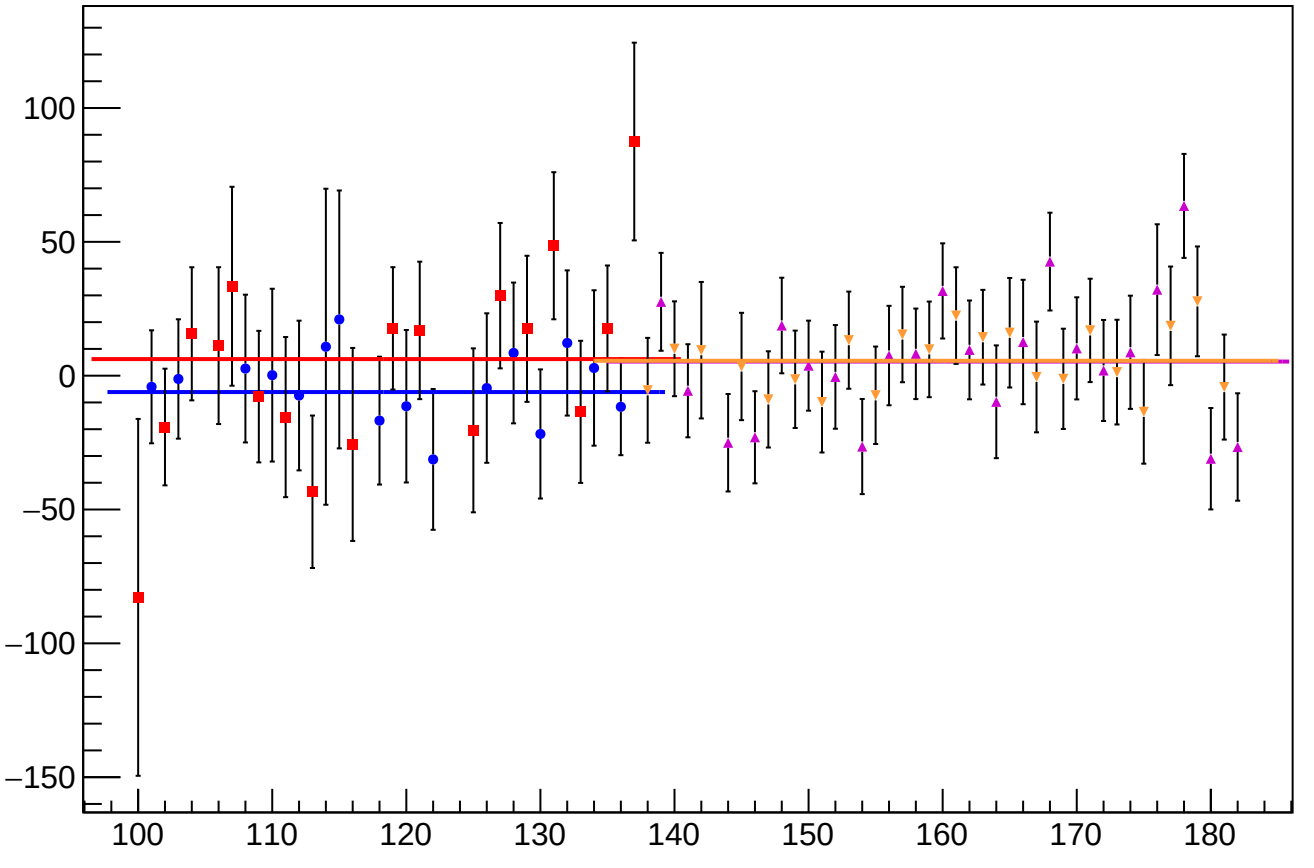
Left: 189.544+/-0.023 χ^2/NDF: 3337425.9/43

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 184.047+/-0.027 χ^2/NDF:2715401.0/37

Out: 190.685+/-0.028 χ^2/NDF:3396255.4/39

All: 187.209+/-0.020 χ^2/NDF: 6140085.7/77



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.567+/-4.086 χ^2/NDF:7.6/21

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 5.276+/-4.011 χ^2/NDF:34.8/21

Left: 5.419+/-2.862 χ^2/NDF: 42.4/43

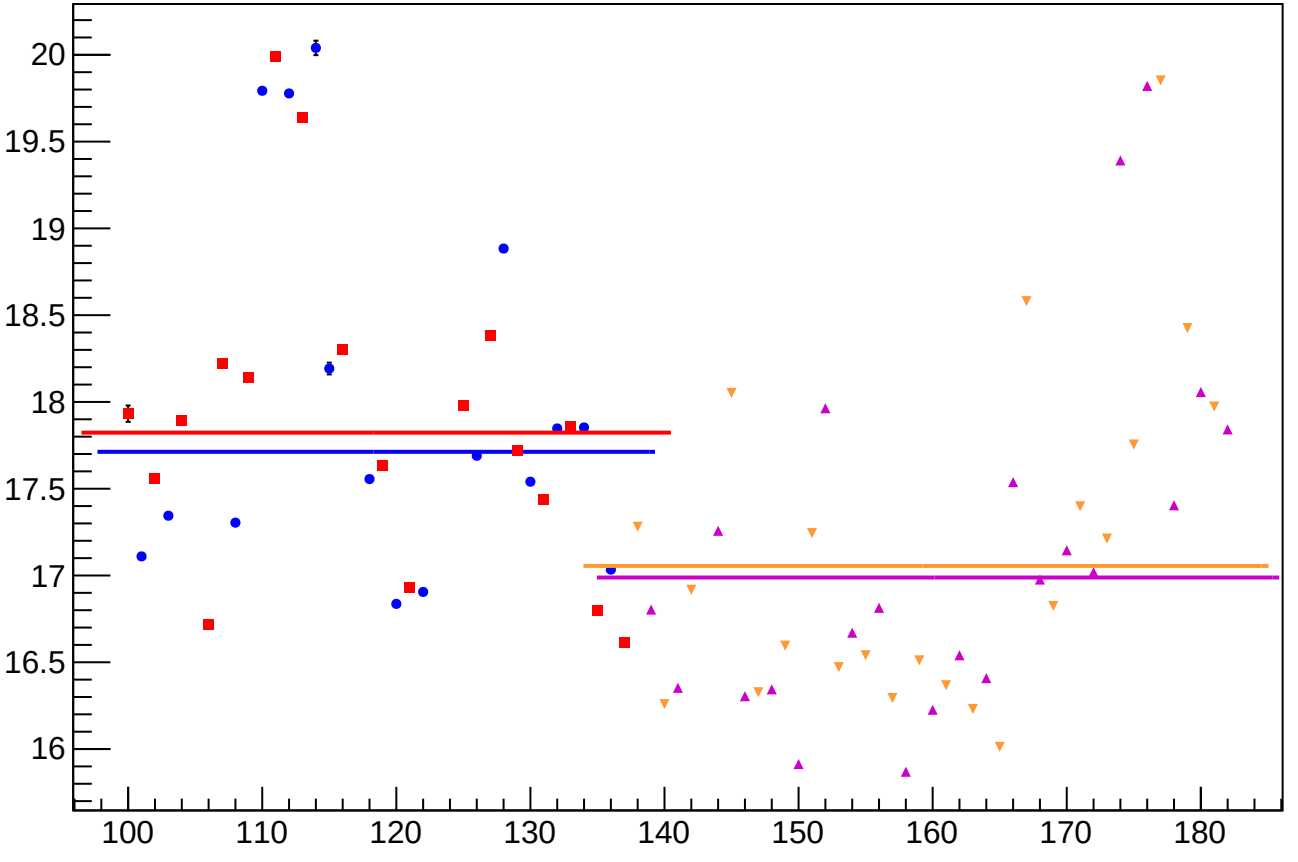
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: 2.198+/-3.426 χ^2/NDF:40.1/37

Out: 5.742+/-3.471 χ^2/NDF:26.3/39

All: 3.947+/-2.438 χ^2/NDF: 66.9/77

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: 17.055+/-0.003 χ^2/NDF:95410.6/21

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.988+/-0.003 χ^2/NDF:103122.3/21

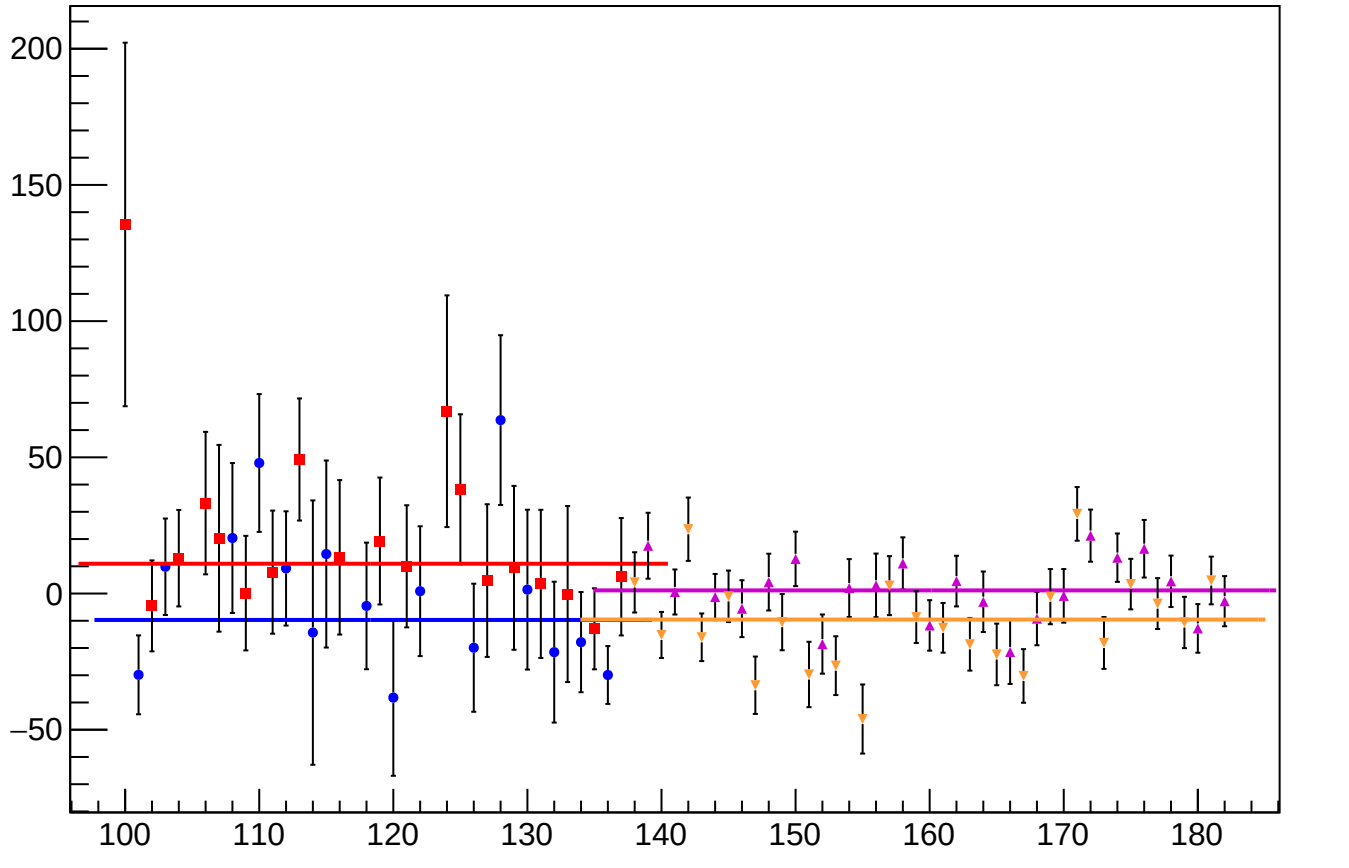
Left: 17.021+/-0.002 χ^2/NDF: 198805.4/43

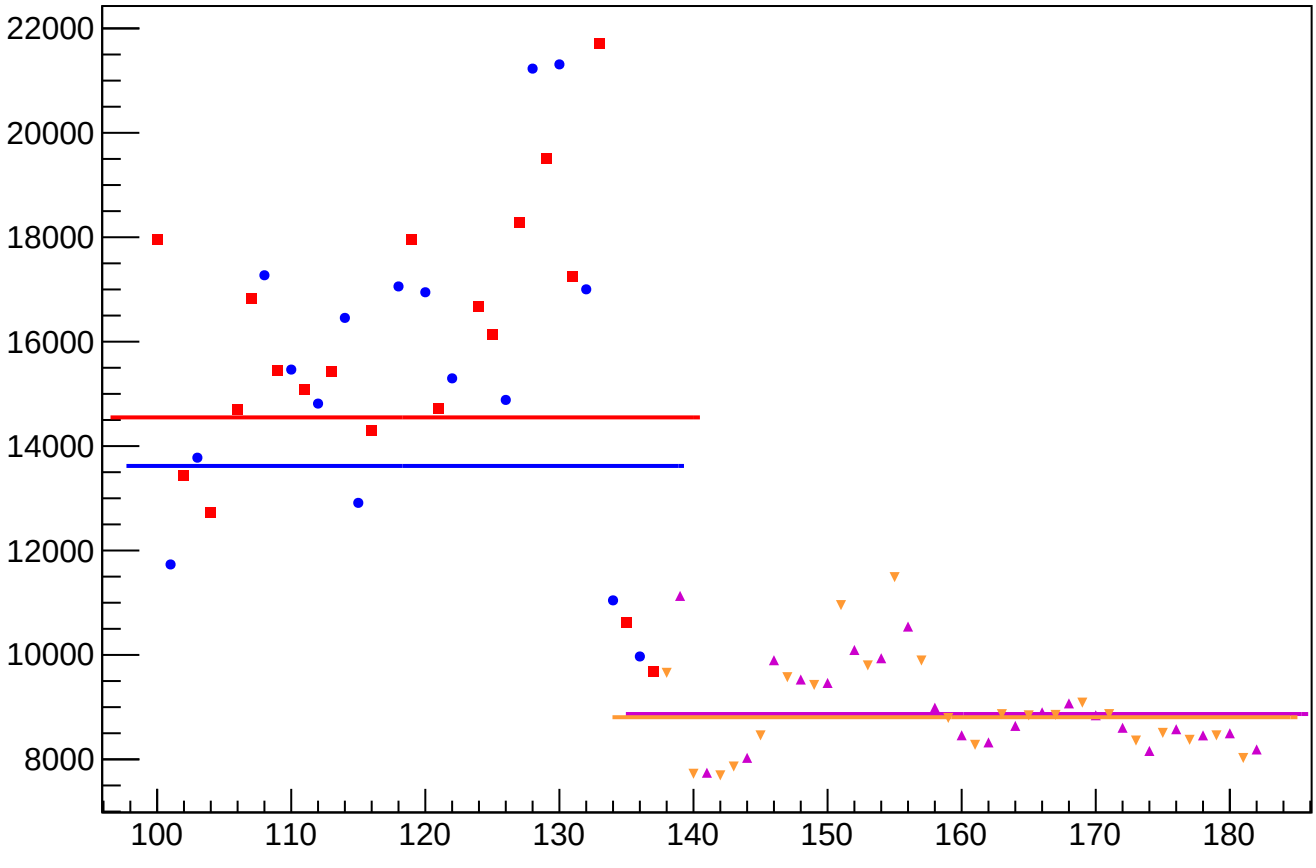
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.184+/-0.002 χ^2/NDF:156730.0/37

Out: 17.269+/-0.002 χ^2/NDF:147579.3/39

All: 17.226+/-0.002 χ^2/NDF: 304915.1/77


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: -9.559+/-2.072 χ²/NDF:60.4/22
Right Out: 10.938+/-5.436 χ²/NDF: 14.1/18
Left In: 1.153+/-2.100 χ²/NDF:26.3/21
Left: -4.275+/-1.475 χ²/NDF: 99.9/44
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -0.353+/-1.949 χ²/NDF:52.0/37
Out: -6.959+/-1.936 χ²/NDF:86.9/41
All: -3.678+/-1.374 χ²/NDF: 144.7/79



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8807.071+/-1.465 χ^2/NDF:335061.1/22

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 8868.290+/-1.485 χ^2/NDF:294341.6/21

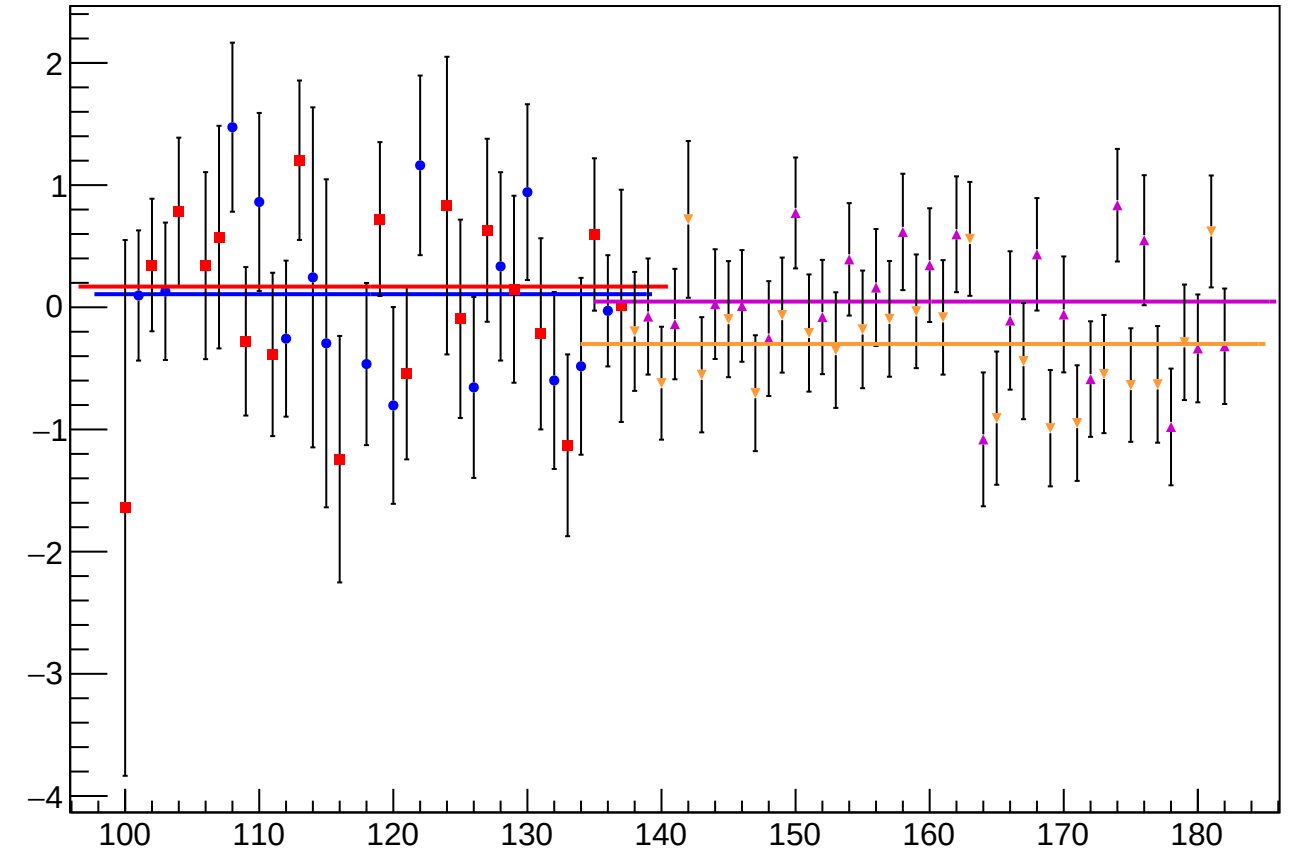
Left: 8837.271+/-1.043 χ^2/NDF: 630263.9/44

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 9527.710+/-1.378 χ^2/NDF:2462283.0/37

Out: 9535.568+/-1.369 χ^2/NDF:2839638.4/41

All: 9531.664+/-0.971 χ^2/NDF: 5301937.8/79



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.300+/-0.100 χ^2/NDF:19.3/22

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.047+/-0.101 χ^2/NDF:23.8/21

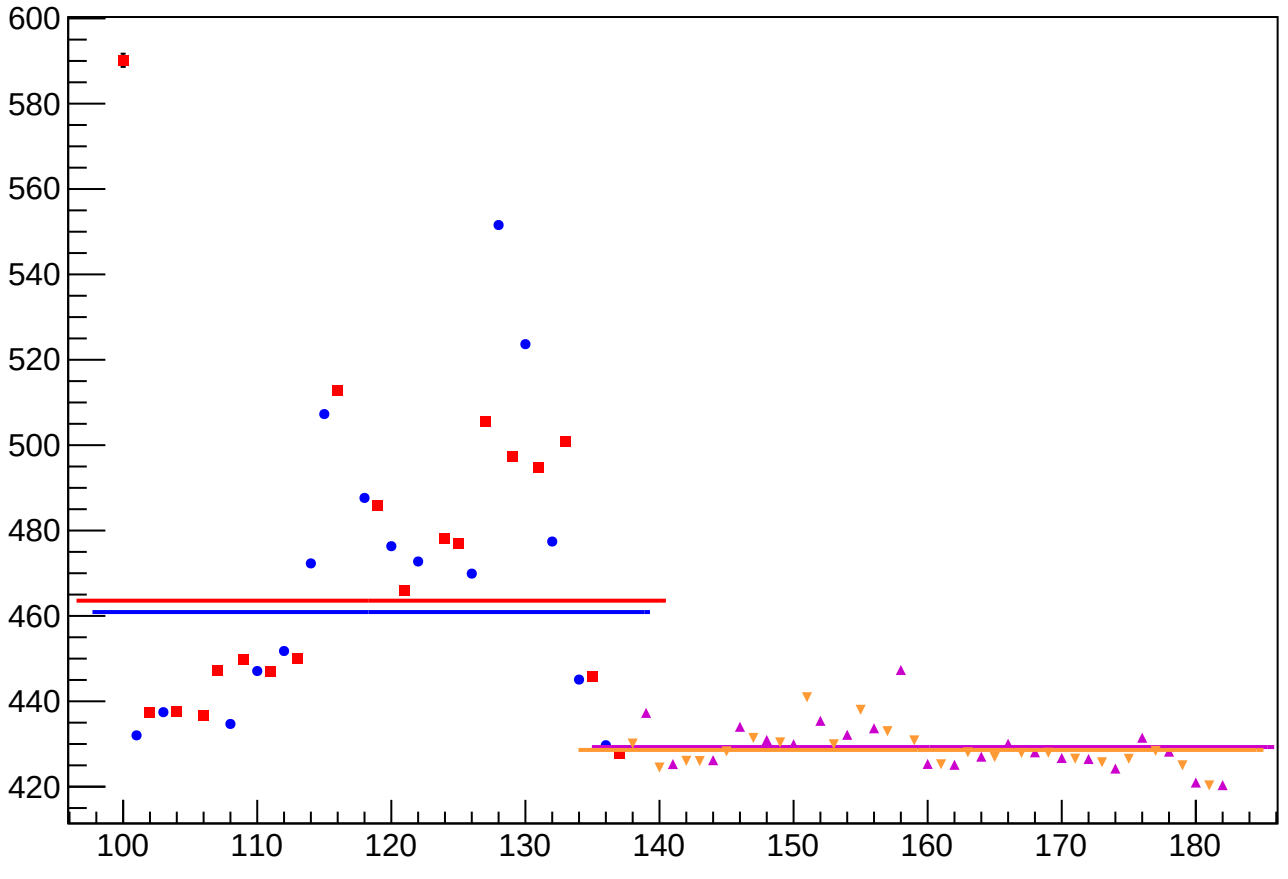
Left: -0.128+/-0.071 χ^2/NDF: 49.0/44

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.062+/-0.087 χ^2/NDF:37.5/37

Out: -0.179+/-0.086 χ^2/NDF:39.1/41

All: -0.059+/-0.061 χ^2/NDF: 80.5/79



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 428.611+/-0.071 χ^2/NDF:3746.0/22

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 429.288+/-0.071 χ^2/NDF:6707.5/21

Left: 428.946+/-0.050 χ^2/NDF: 10498.8/44

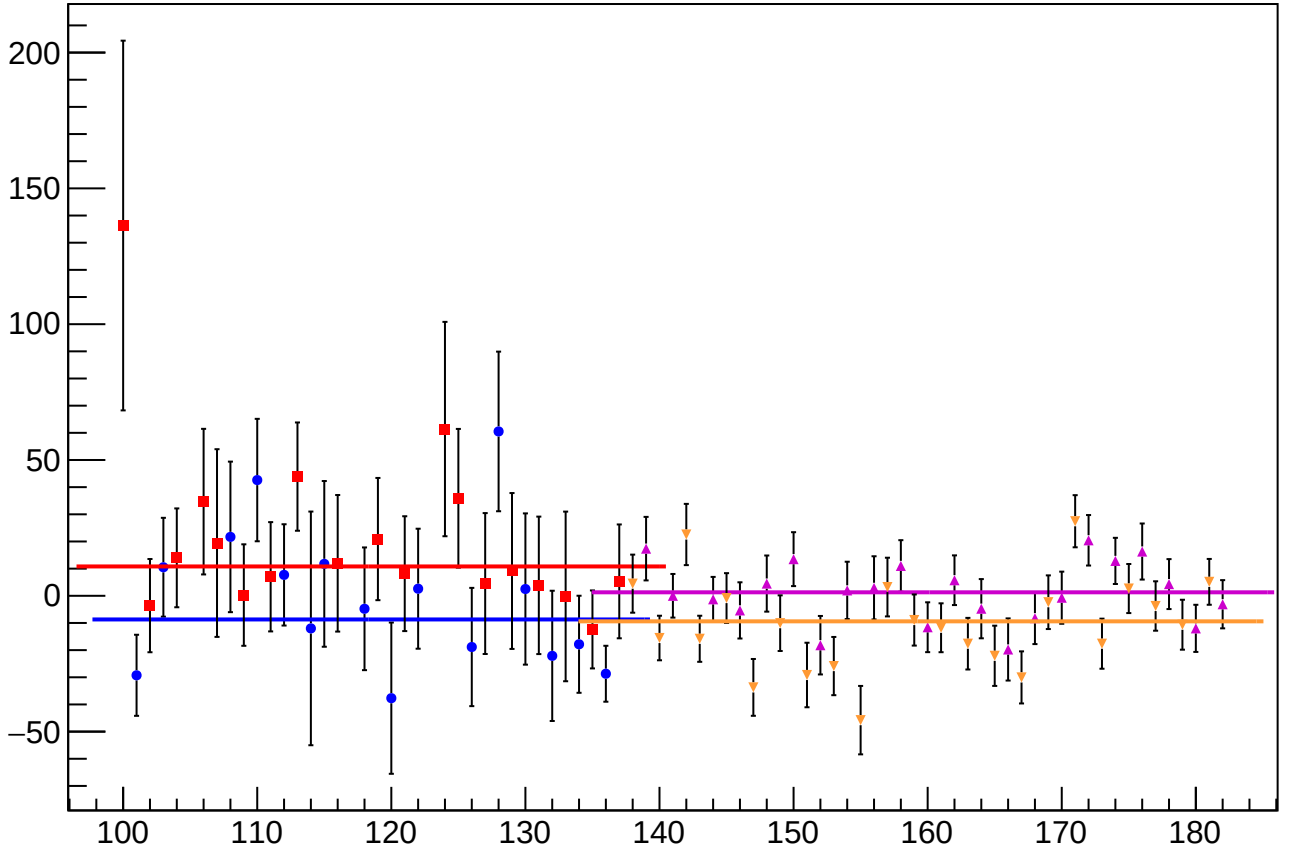
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 437.424+/-0.062 χ^2/NDF:132003.8/37

Out: 437.658+/-0.061 χ^2/NDF:119043.0/41

All: 437.542+/-0.043 χ^2/NDF: 251054.1/79

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -9.402+/-2.027 χ^2/NDF:60.0/22

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 1.285+/-2.055 χ^2/NDF:26.2/21

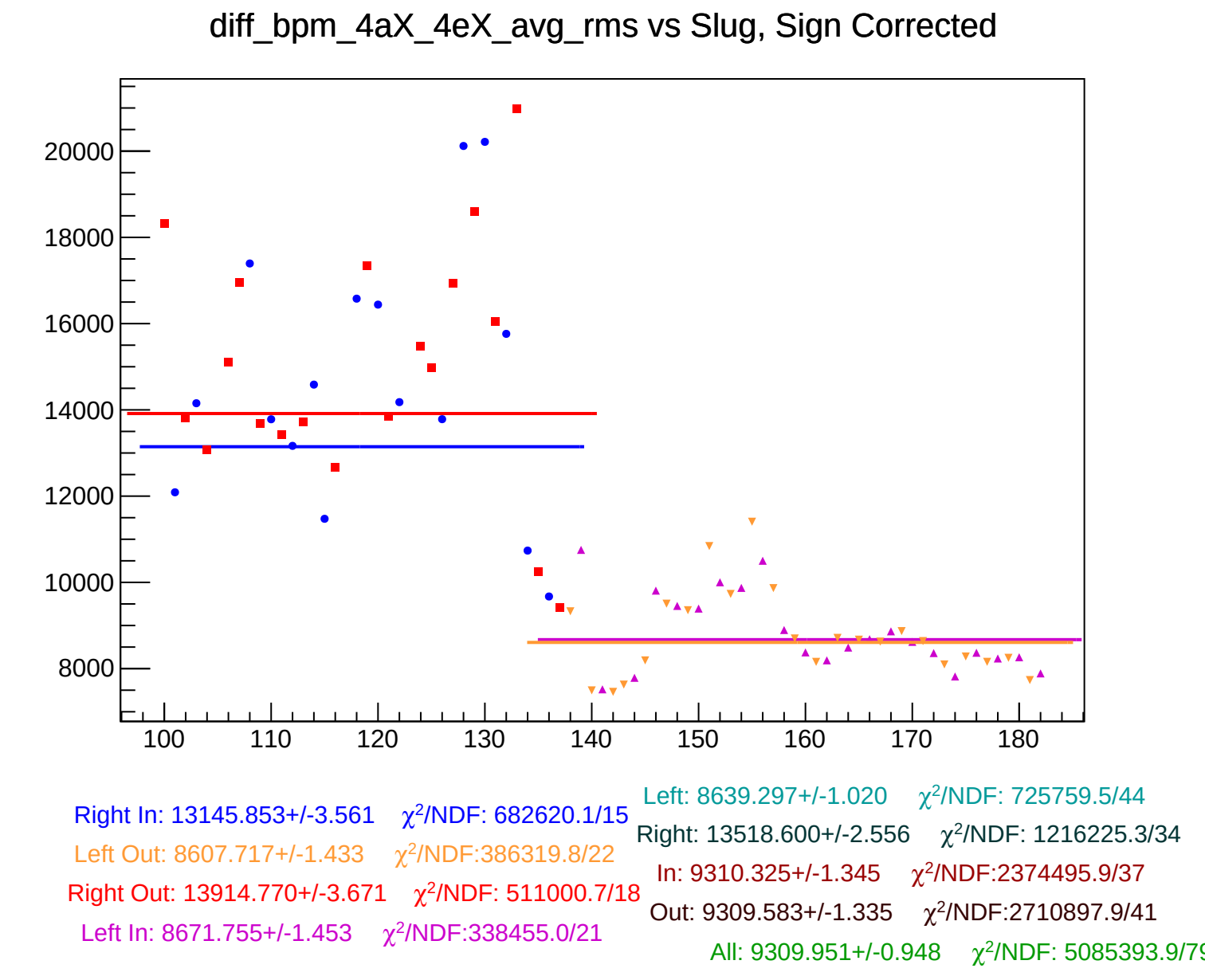
Left: -4.132+/-1.443 χ^2/NDF: 99.9/44

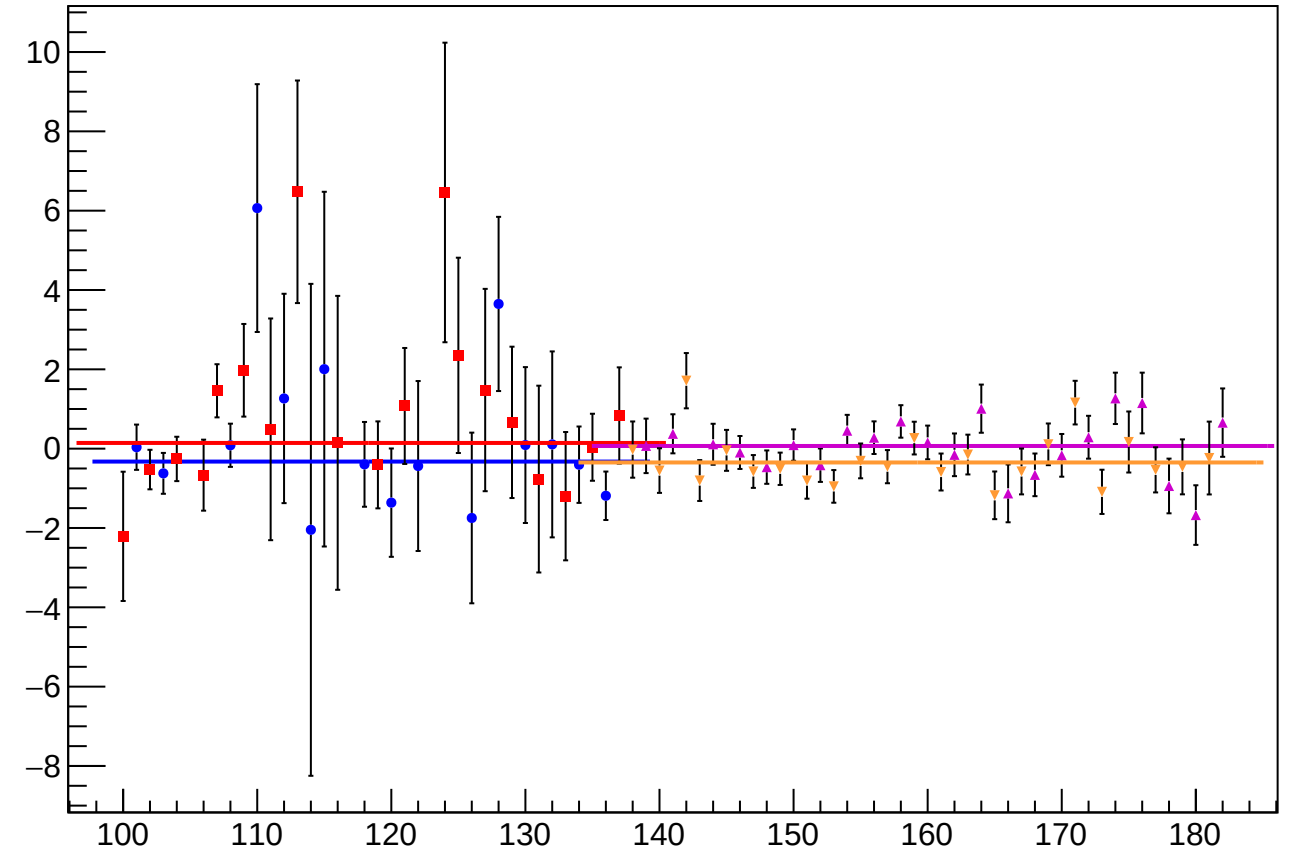
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -0.141+/-1.902 χ^2/NDF:51.9/37

Out: -6.729+/-1.888 χ^2/NDF:87.0/41

All: -3.460+/-1.340 χ^2/NDF: 144.9/79


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8607.717+/-1.433 χ²/NDF:386319.8/22
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8671.755+/-1.453 χ²/NDF:338455.0/21
Left: 8639.297+/-1.020 χ²/NDF: 725759.5/44
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 9310.325+/-1.345 χ²/NDF:2374495.9/37
Out: 9309.583+/-1.335 χ²/NDF:2710897.9/41
All: 9309.951+/-0.948 χ²/NDF: 5085393.9/79



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.348+/-0.107 χ^2/NDF:29.2/22

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.067+/-0.109 χ^2/NDF:27.9/21

Left: -0.143+/-0.076 χ^2/NDF: 64.5/44

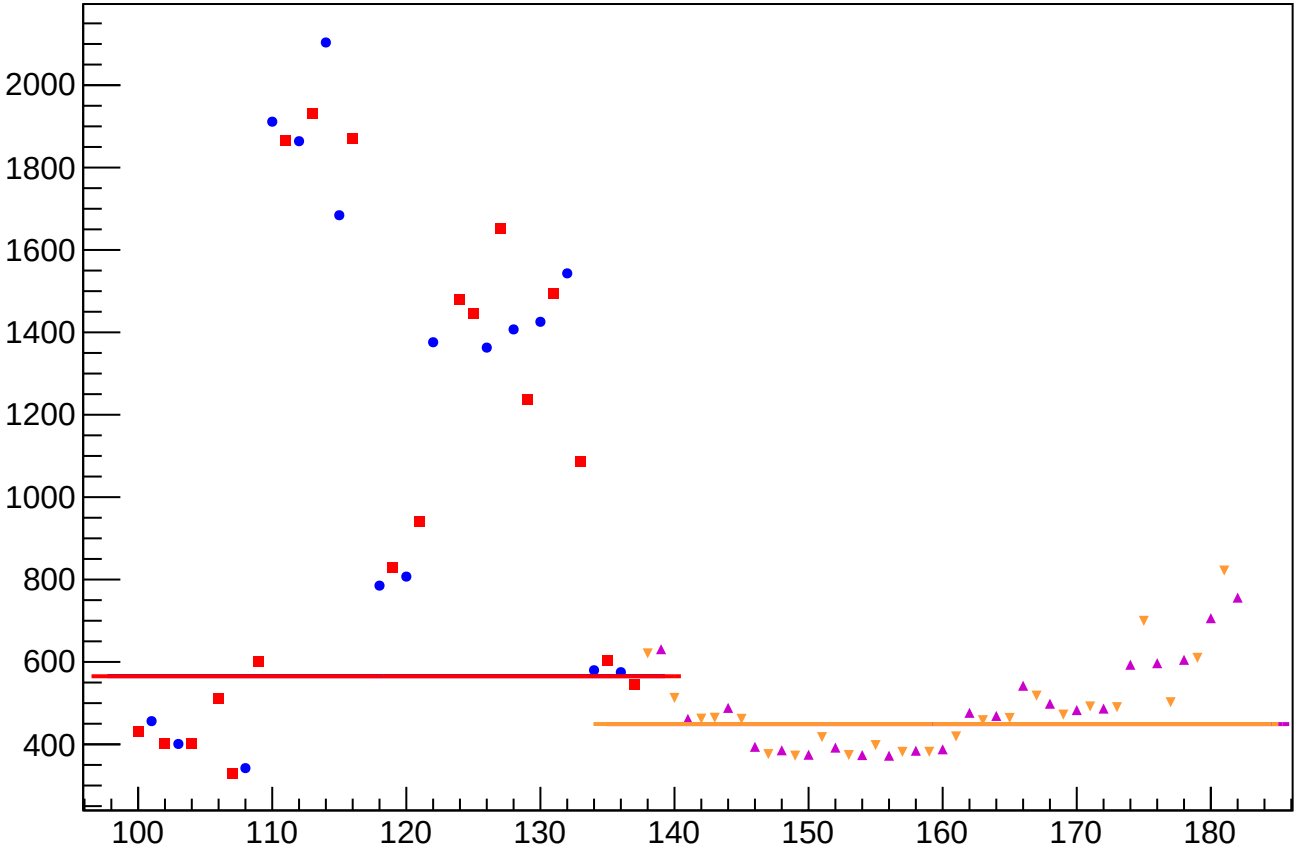
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.003+/-0.099 χ^2/NDF:42.6/37

Out: -0.268+/-0.098 χ^2/NDF:55.1/41

All: -0.134+/-0.070 χ^2/NDF: 101.5/79

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 449.290+/-0.076 χ^2/NDF:1220212.2/22

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 449.097+/-0.077 χ^2/NDF:1411978.4/21

Left: 449.195+/-0.054 χ^2/NDF: 2632193.8/44

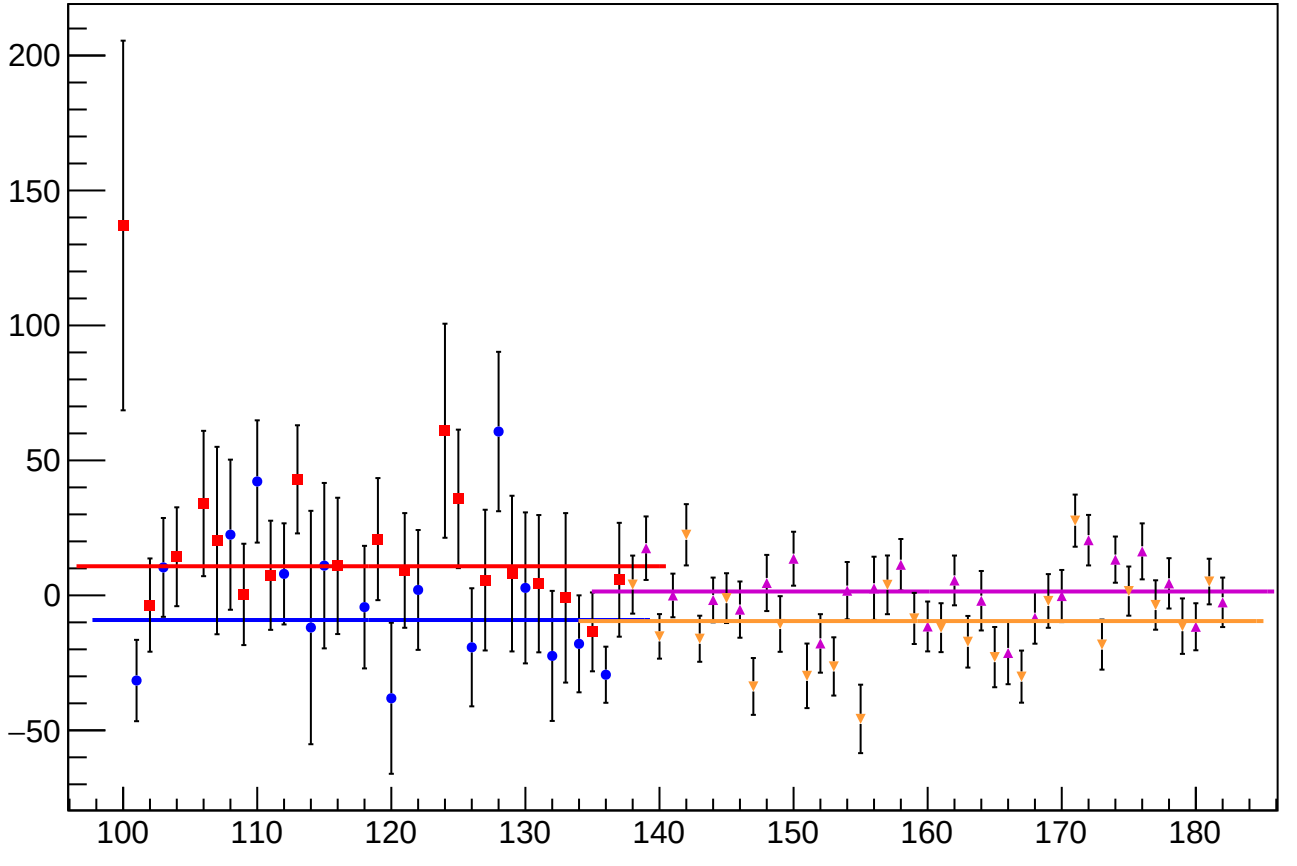
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 468.323+/-0.070 χ^2/NDF:5242336.1/37

Out: 468.067+/-0.070 χ^2/NDF:5169071.8/41

All: 468.194+/-0.049 χ^2/NDF: 10411414.6/79

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -9.526+/-2.049 χ^2/NDF:59.7/22

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 1.433+/-2.072 χ^2/NDF:26.1/21

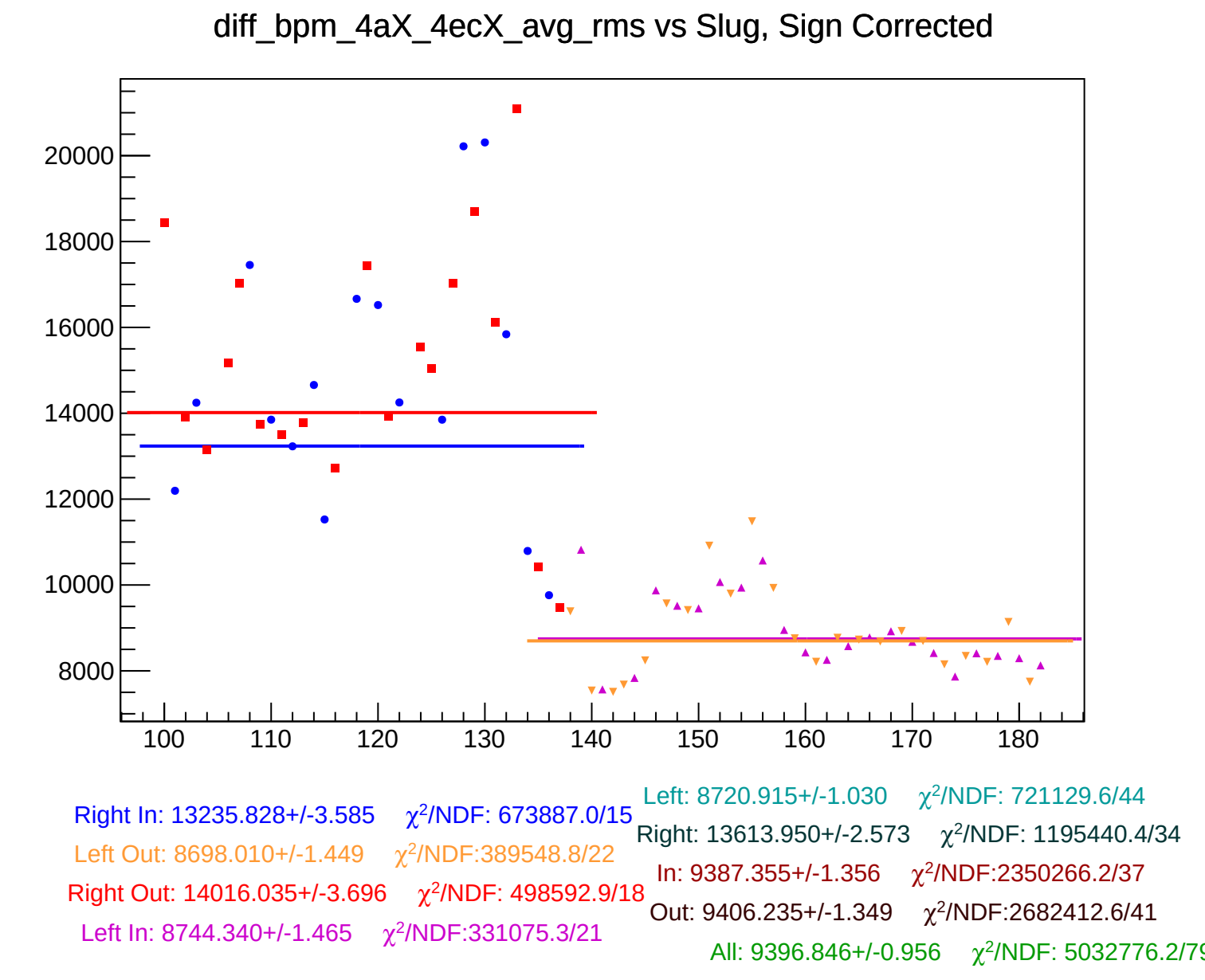
Left: -4.108+/-1.457 χ^2/NDF: 99.9/44

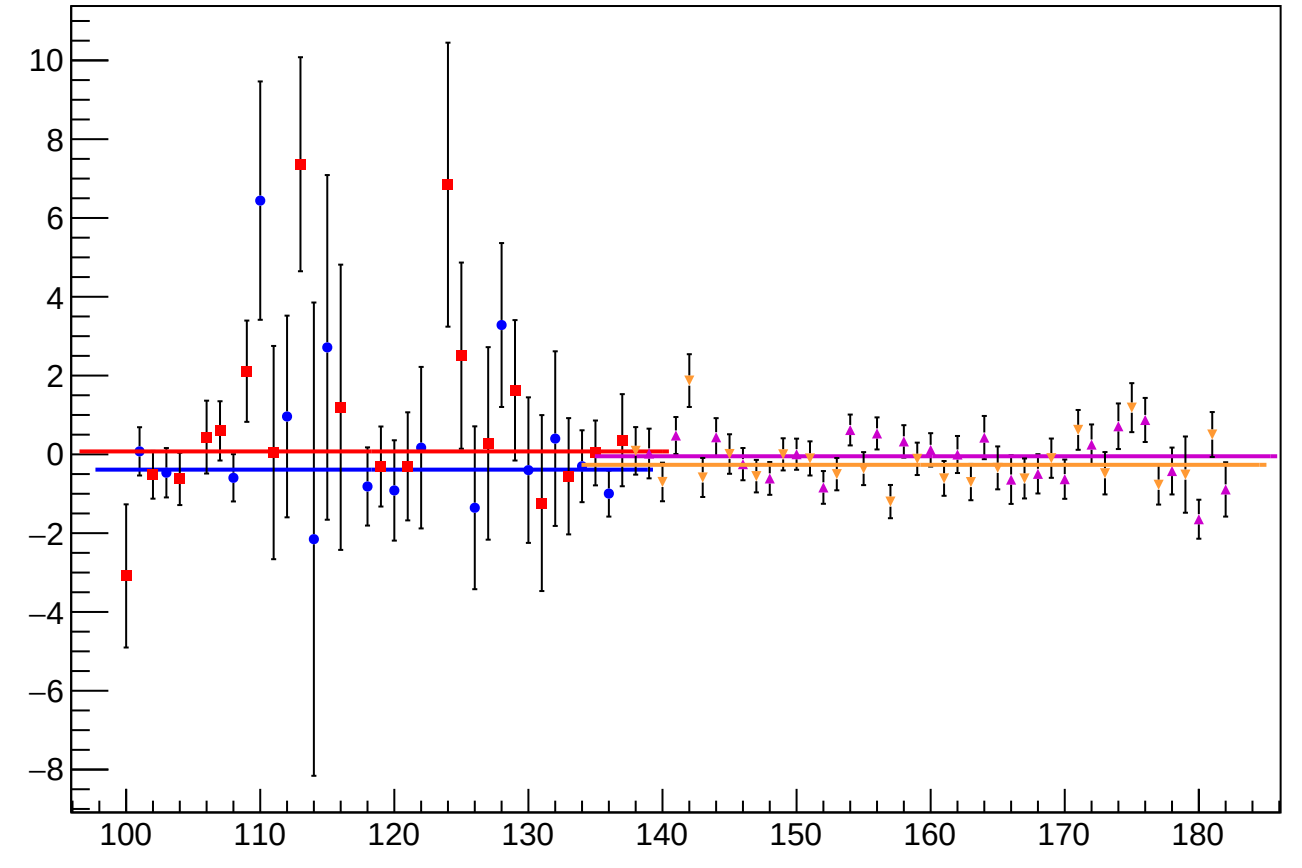
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: -0.080+/-1.918 χ^2/NDF:52.5/37

Out: -6.820+/-1.908 χ^2/NDF:86.4/41

All: -3.468+/-1.353 χ^2/NDF: 145.2/79


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8698.010+/-1.449 χ²/NDF:389548.8/22
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8744.340+/-1.465 χ²/NDF:331075.3/21
Left: 8720.915+/-1.030 χ²/NDF: 721129.6/44
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9387.355+/-1.356 χ²/NDF:2350266.2/37
Out: 9406.235+/-1.349 χ²/NDF:2682412.6/41
All: 9396.846+/-0.956 χ²/NDF: 5032776.2/79



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.266+/-0.102 χ^2/NDF:32.2/22

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: -0.048+/-0.102 χ^2/NDF:34.8/21

Left: -0.157+/-0.072 χ^2/NDF: 69.3/44

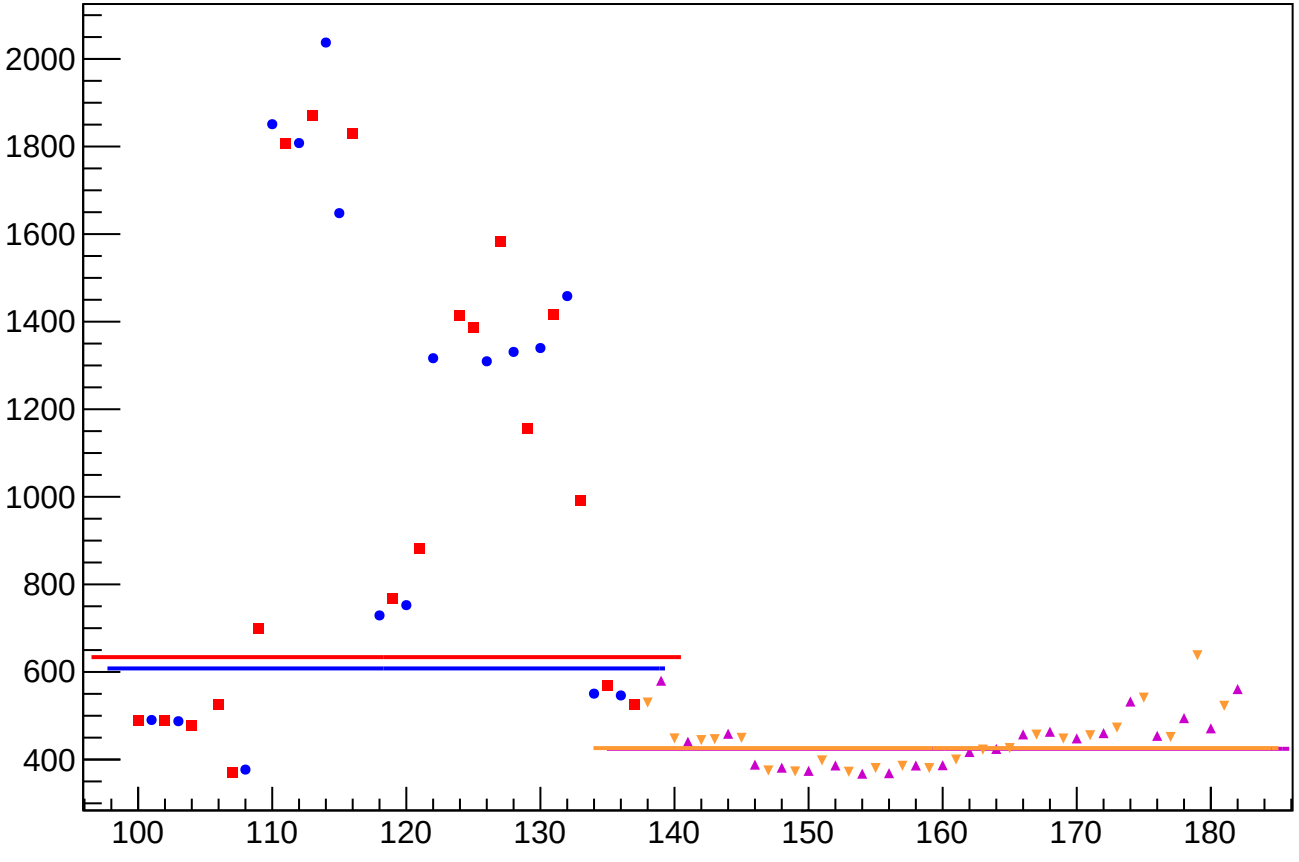
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.094+/-0.094 χ^2/NDF:48.0/37

Out: -0.222+/-0.095 χ^2/NDF:55.3/41

All: -0.158+/-0.067 χ^2/NDF: 104.2/79

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 426.114+/-0.072 χ^2/NDF:514844.0/22

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 424.522+/-0.072 χ^2/NDF:564367.3/21

Left: 425.318+/-0.051 χ^2/NDF: 1079456.6/44

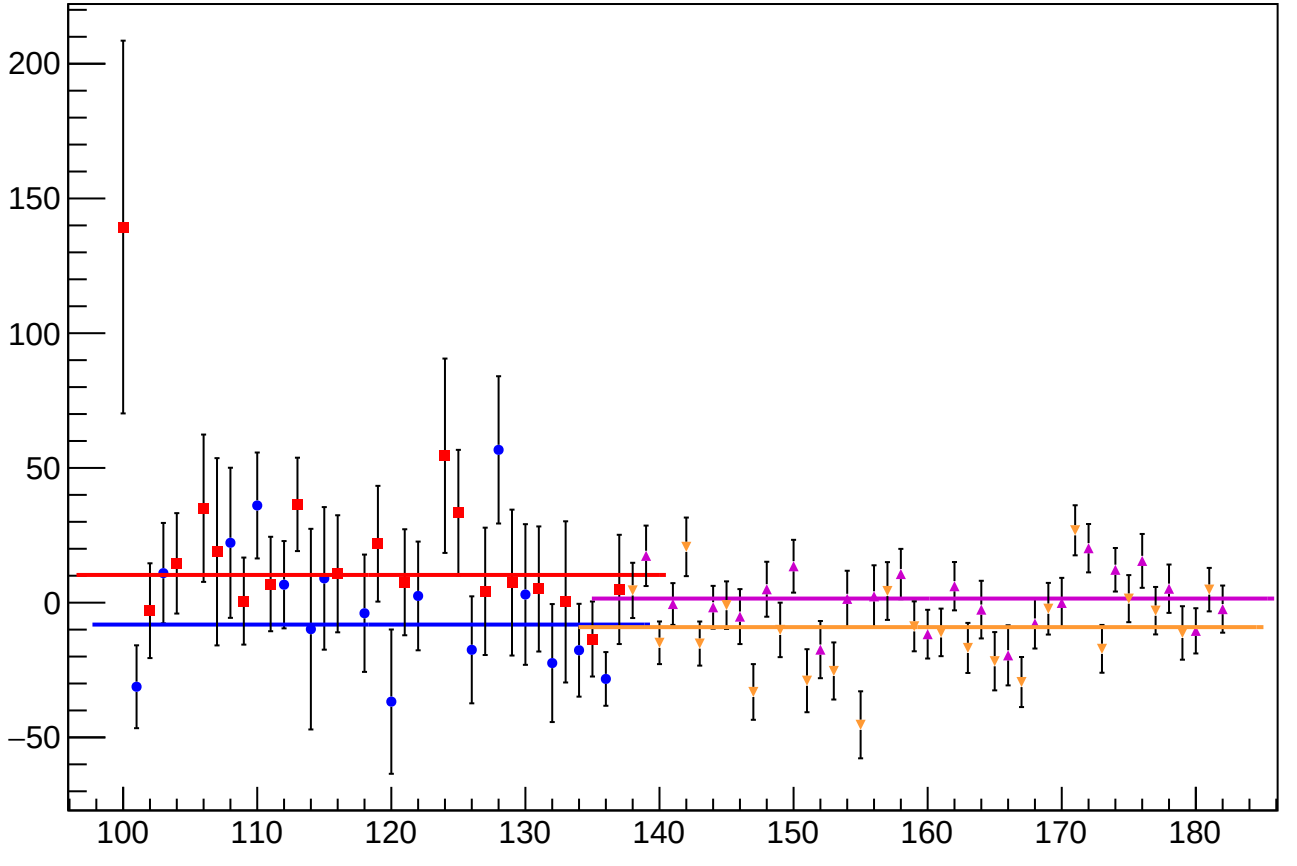
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 449.559+/-0.067 χ^2/NDF:4306976.8/37

Out: 452.843+/-0.067 χ^2/NDF:4378439.0/41

All: 451.193+/-0.047 χ^2/NDF: 8686619.4/79

diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -9.078+/-1.980 χ^2/NDF:60.1/22

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 1.524+/-2.003 χ^2/NDF:26.0/21

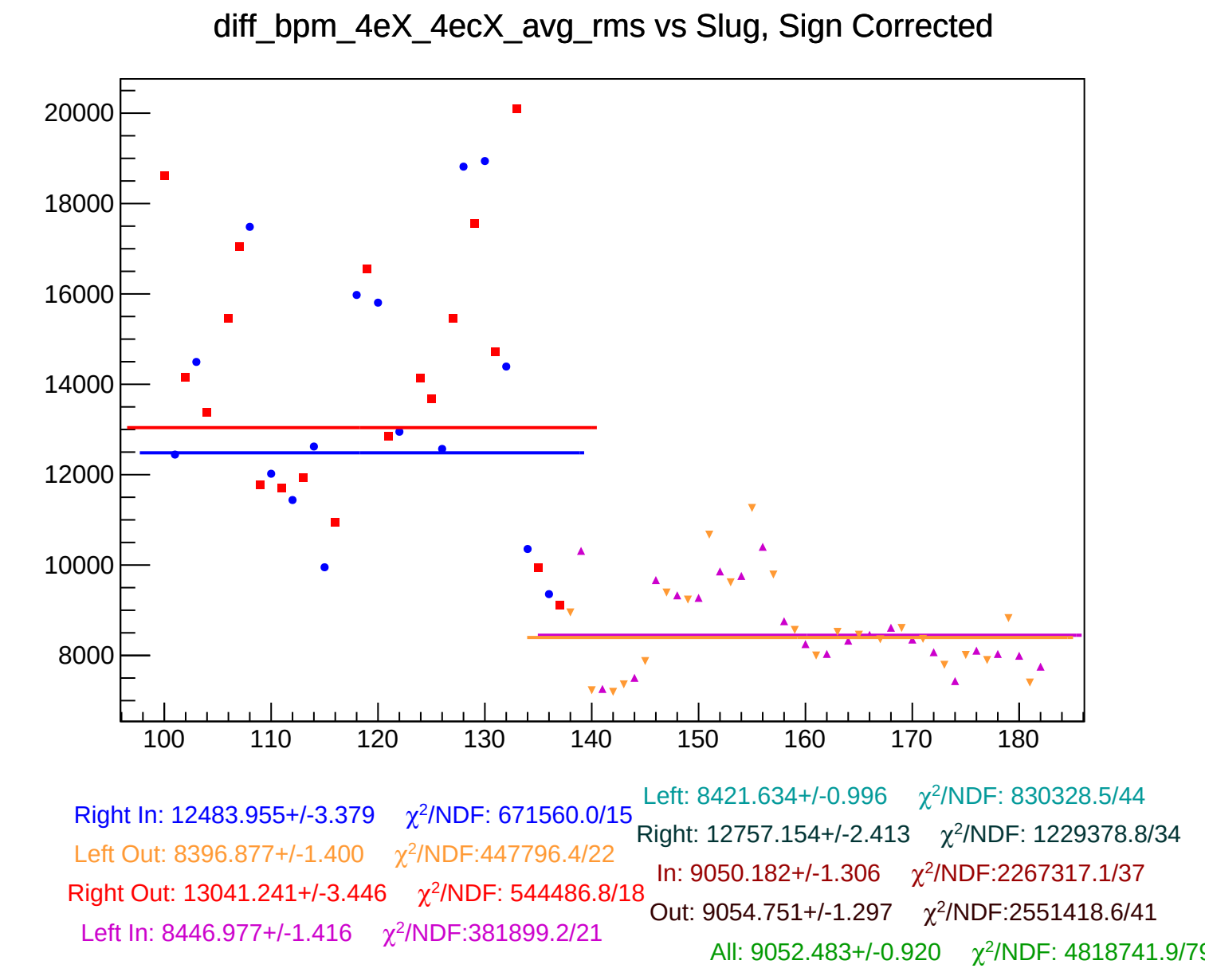
Left: -3.839+/-1.408 χ^2/NDF: 100.3/44

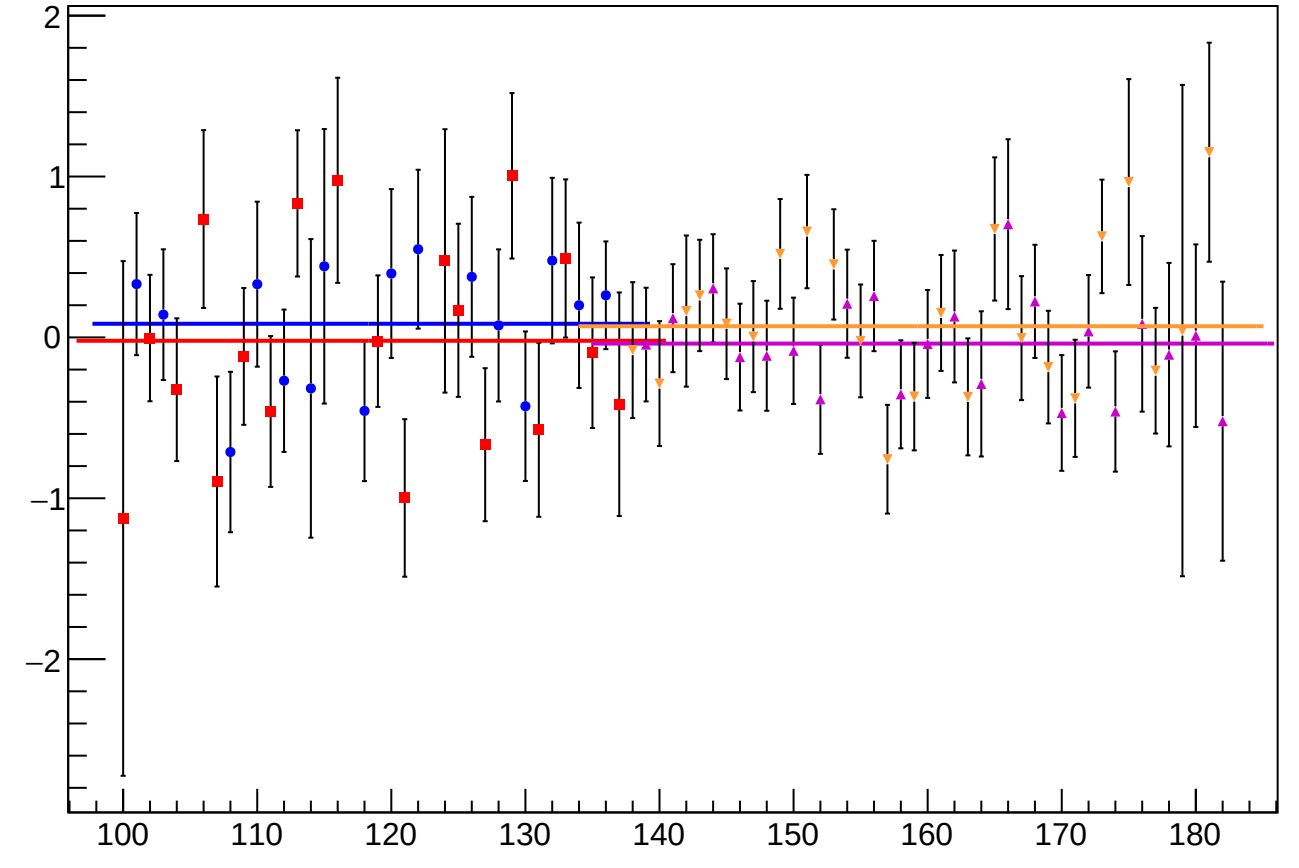
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: 0.081+/-1.847 χ^2/NDF:52.6/37

Out: -6.335+/-1.834 χ^2/NDF:87.4/41

All: -3.150+/-1.302 χ^2/NDF: 146.1/79


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 8396.877+/-1.400 χ²/NDF:447796.4/22
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8446.977+/-1.416 χ²/NDF:381899.2/21
Left: 8421.634+/-0.996 χ²/NDF: 830328.5/44
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9050.182+/-1.306 χ²/NDF:2267317.1/37
Out: 9054.751+/-1.297 χ²/NDF:2551418.6/41
All: 9052.483+/-0.920 χ²/NDF: 4818741.9/79



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.069+/-0.080 χ^2/NDF:27.8/22

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.039+/-0.081 χ^2/NDF:10.8/21

Left: 0.016+/-0.057 χ^2/NDF: 39.5/44

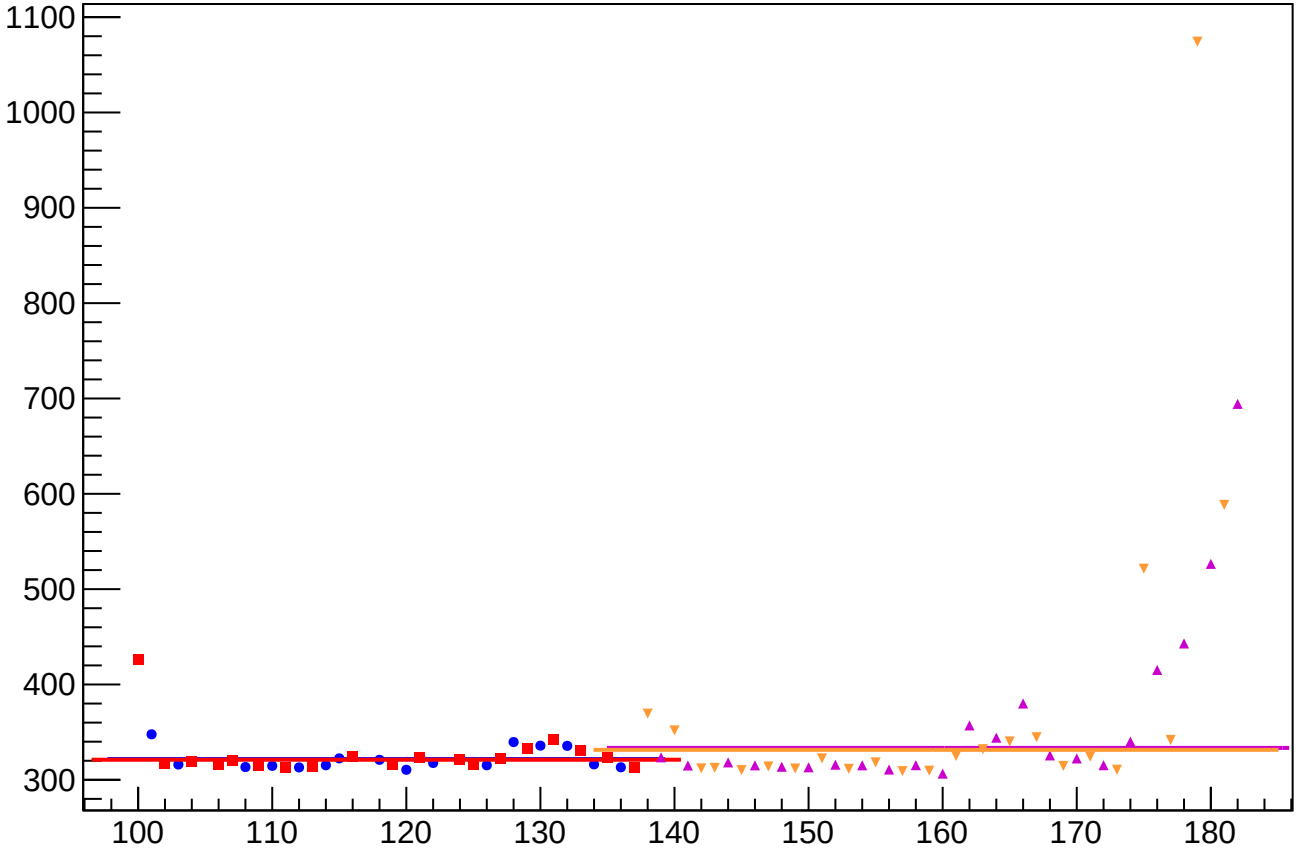
Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: -0.000+/-0.067 χ^2/NDF:20.8/37

Out: 0.041+/-0.066 χ^2/NDF:52.5/41

All: 0.021+/-0.047 χ^2/NDF: 73.6/79

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 331.449+/-0.057 χ^2/NDF:1030380.1/22

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 333.471+/-0.057 χ^2/NDF:799258.1/21

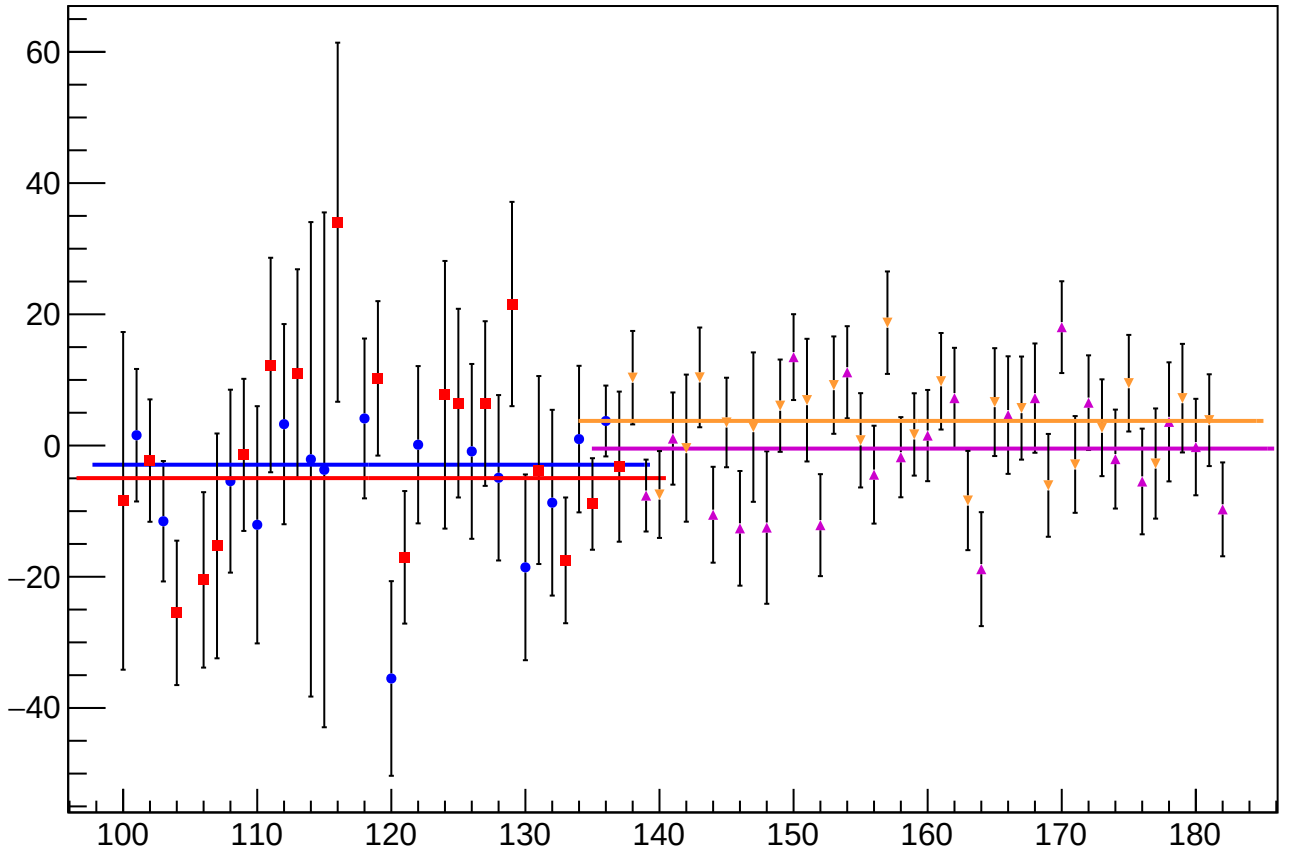
Left: 332.451+/-0.040 χ^2/NDF: 1830267.4/44

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 329.807+/-0.047 χ^2/NDF:830615.5/37

Out: 328.155+/-0.047 χ^2/NDF:1057555.4/41

All: 328.970+/-0.033 χ^2/NDF: 1888784.3/79



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.755+/-1.590 χ^2/NDF:16.6/22

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -0.464+/-1.584 χ^2/NDF:33.5/21

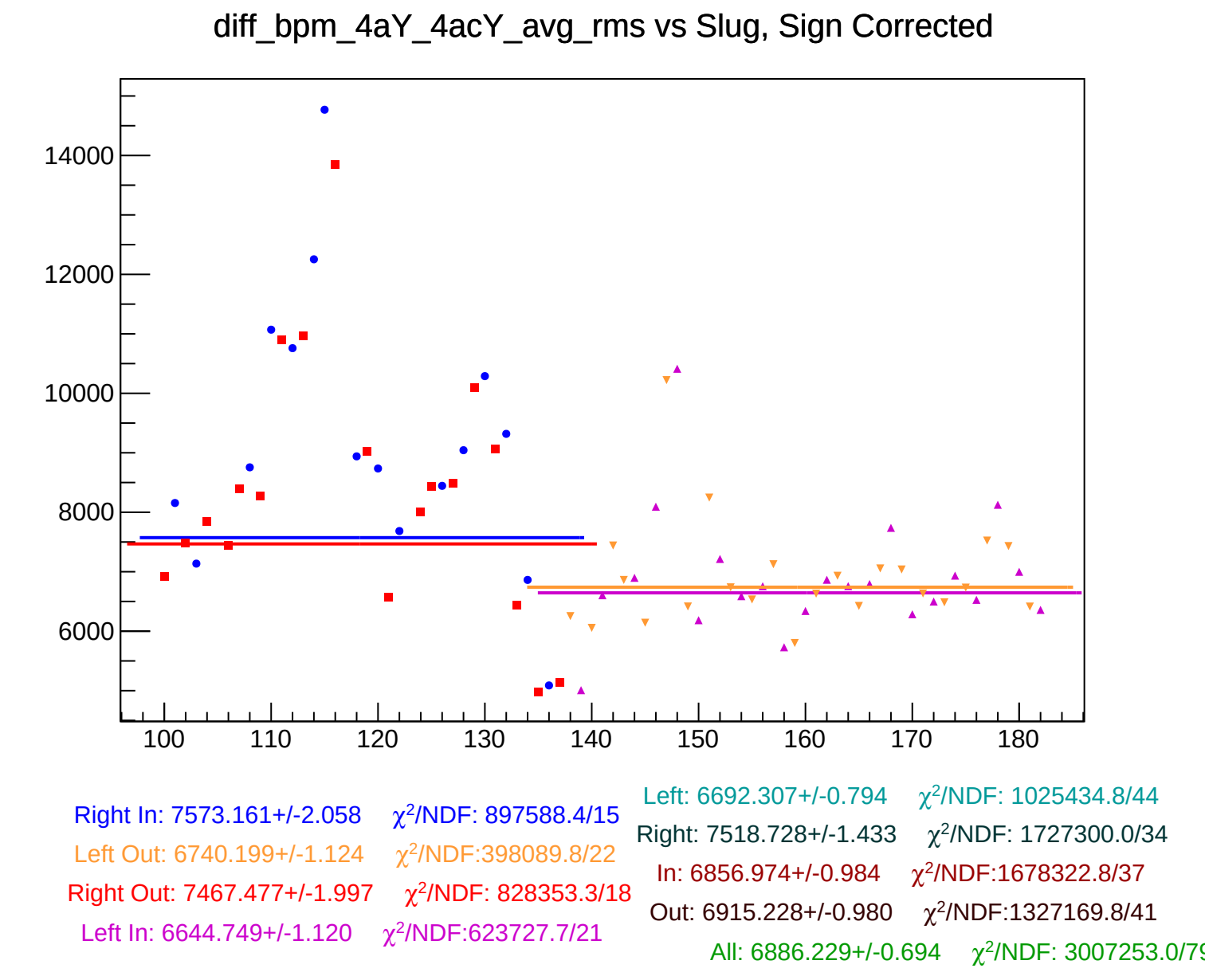
Left: 1.638+/-1.122 χ^2/NDF: 53.6/44

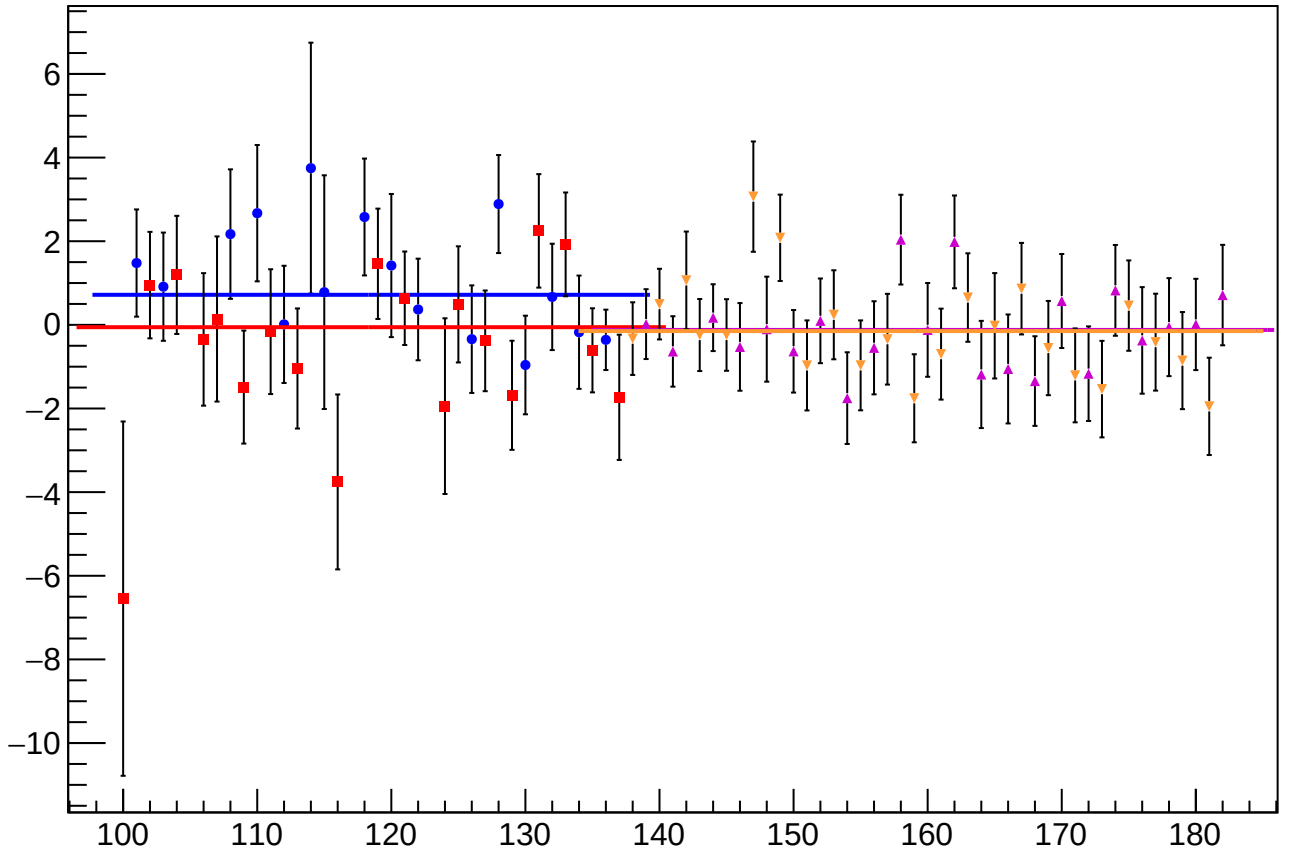
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -1.026+/-1.391 χ^2/NDF:43.9/37

Out: 1.656+/-1.385 χ^2/NDF:43.2/41

All: 0.321+/-0.982 χ^2/NDF: 89.0/79


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6740.199+/-1.124 χ²/NDF:398089.8/22
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6644.749+/-1.120 χ²/NDF:623727.7/21
Left: 6692.307+/-0.794 χ²/NDF: 1025434.8/44
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 6856.974+/-0.984 χ²/NDF:1678322.8/37
Out: 6915.228+/-0.980 χ²/NDF:1327169.8/41
All: 6886.229+/-0.694 χ²/NDF: 3007253.0/79



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.149+/-0.220 χ^2/NDF:23.3/22

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.121+/-0.227 χ^2/NDF:16.0/21

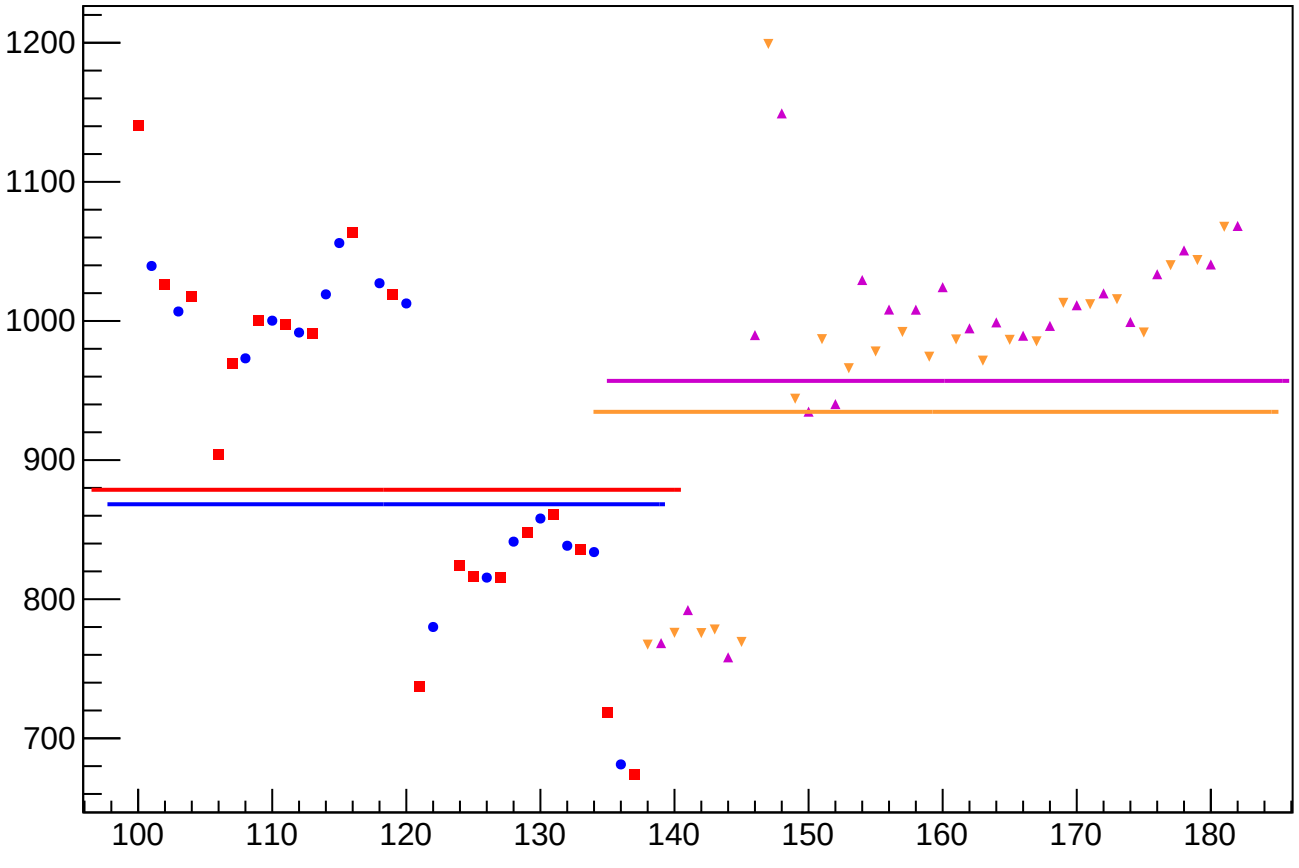
Left: -0.136+/-0.158 χ^2/NDF: 39.3/44

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.153+/-0.186 χ^2/NDF:35.3/37

Out: -0.119+/-0.182 χ^2/NDF:43.2/41

All: 0.013+/-0.130 χ^2/NDF: 79.6/79



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 934.694+/-0.156 χ^2/NDF:530994.3/22

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 956.939+/-0.160 χ^2/NDF:448690.5/21

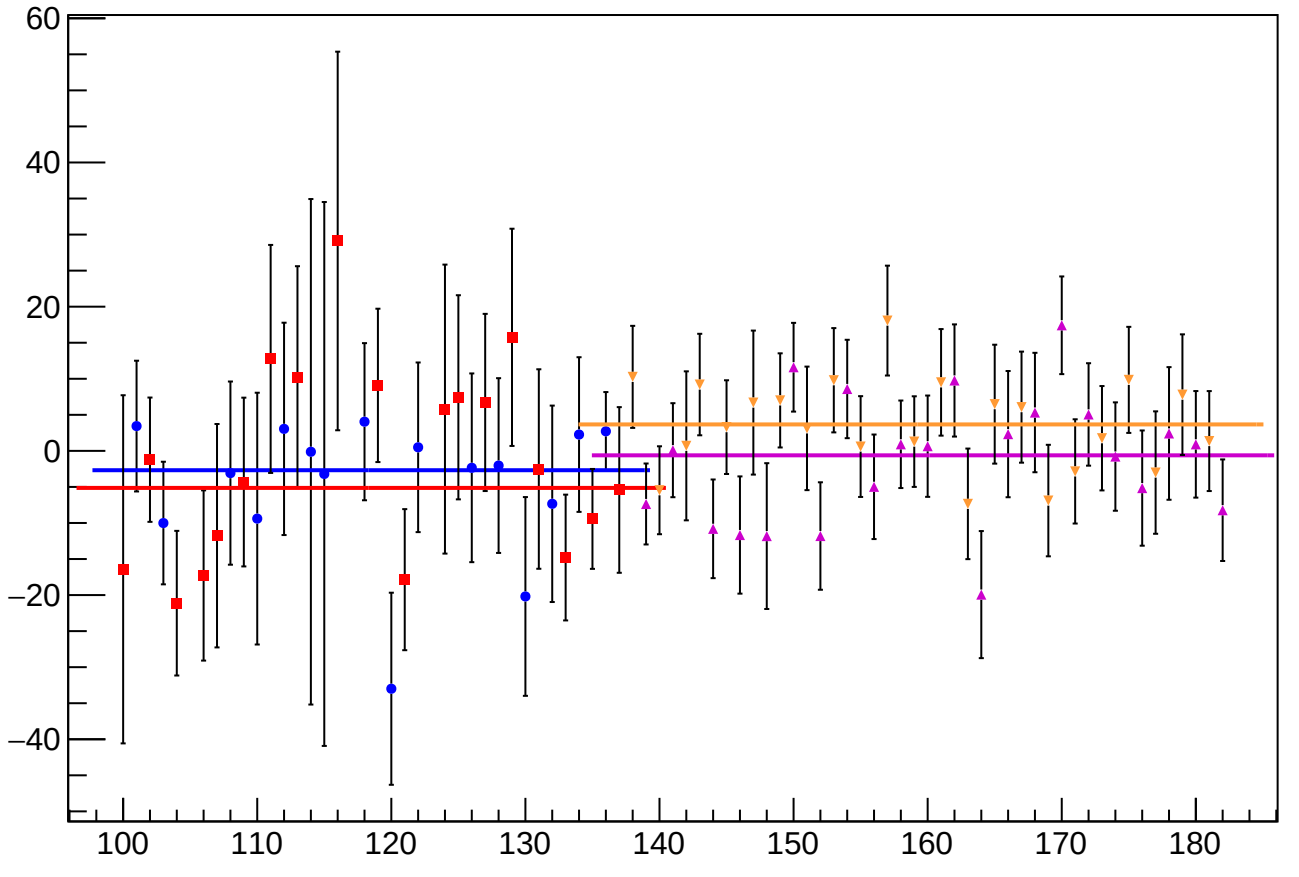
Left: 945.477+/-0.112 χ^2/NDF: 989597.6/44

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 928.004+/-0.132 χ^2/NDF:850870.6/37

Out: 916.965+/-0.129 χ^2/NDF:844583.3/41

All: 922.356+/-0.092 χ^2/NDF: 1699051.8/79



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.669+/-1.546 χ^2/NDF:16.1/22

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -0.617+/-1.550 χ^2/NDF:31.8/21

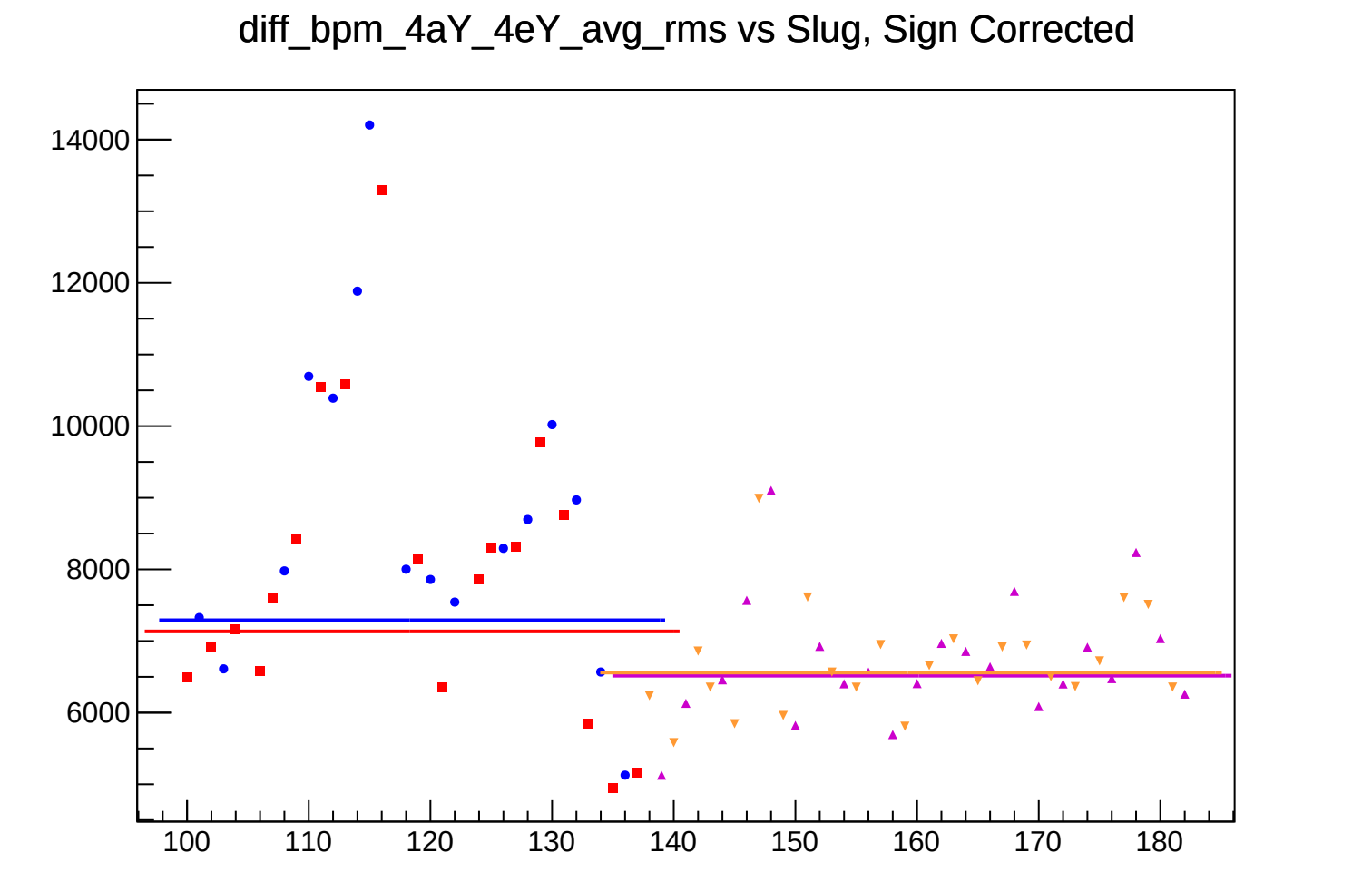
Left: 1.532+/-1.095 χ^2/NDF: 51.8/44

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -1.105+/-1.355 χ^2/NDF:42.3/37

Out: 1.486+/-1.340 χ^2/NDF:41.4/41

All: 0.204+/-0.953 χ^2/NDF: 85.6/79



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6559.553+/-1.093 χ^2/NDF:362327.7/22

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6516.026+/-1.096 χ^2/NDF:510416.8/21

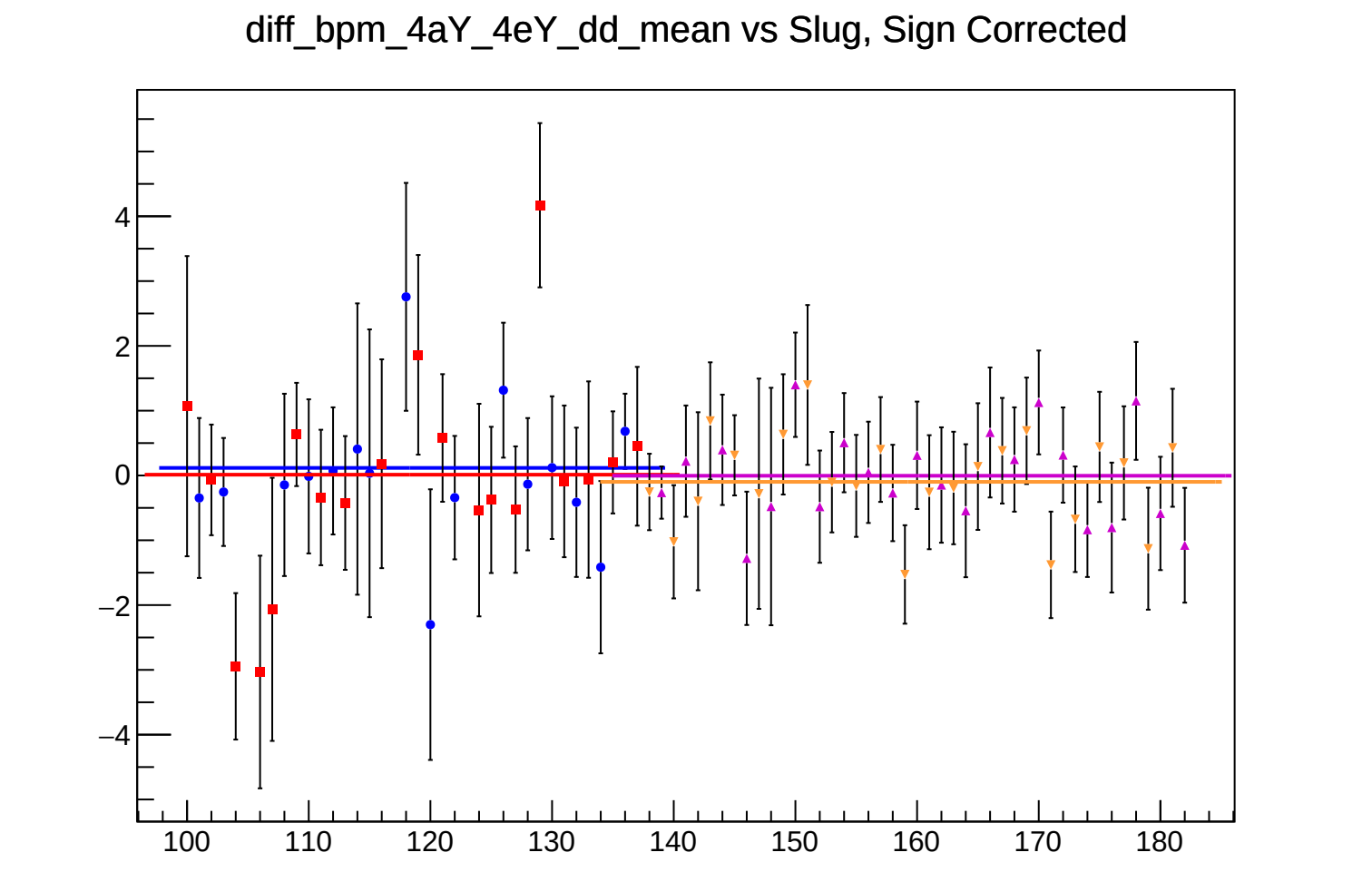
Left: 6537.853+/-0.774 χ^2/NDF: 873535.3/44

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6698.843+/-0.958 χ^2/NDF:1398732.2/37

Out: 6702.082+/-0.948 χ^2/NDF:1223709.2/41

All: 6700.480+/-0.674 χ^2/NDF: 2622447.2/79



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.099+/-0.177 χ^2/NDF:15.1/22

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.004+/-0.170 χ^2/NDF:14.9/21

Left: -0.050+/-0.123 χ^2/NDF: 30.1/44

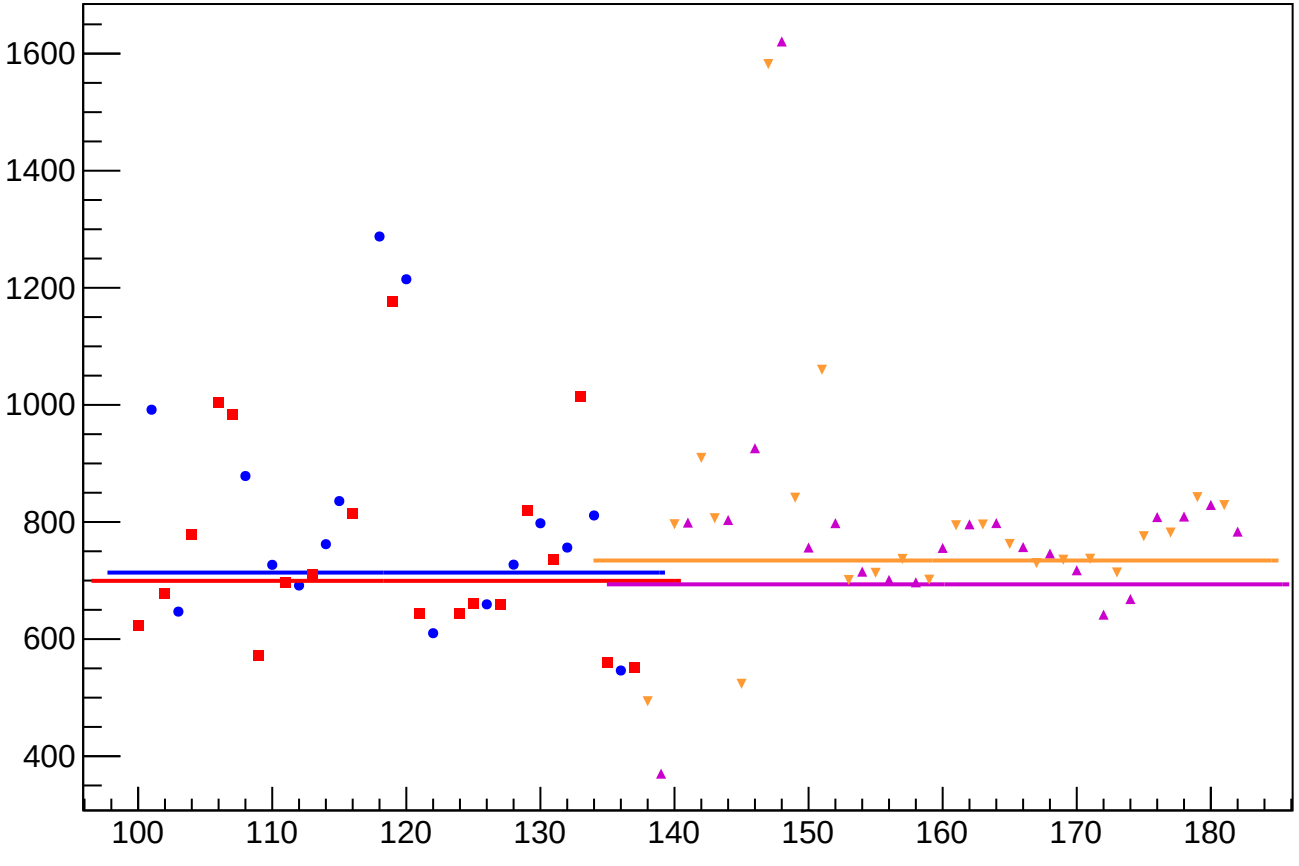
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.030+/-0.145 χ^2/NDF:23.1/37

Out: -0.064+/-0.147 χ^2/NDF:40.4/41

All: -0.016+/-0.103 χ^2/NDF: 63.8/79

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 734.254+/-0.125 χ^2/NDF:1330860.9/22

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 693.536+/-0.121 χ^2/NDF:2223447.2/21

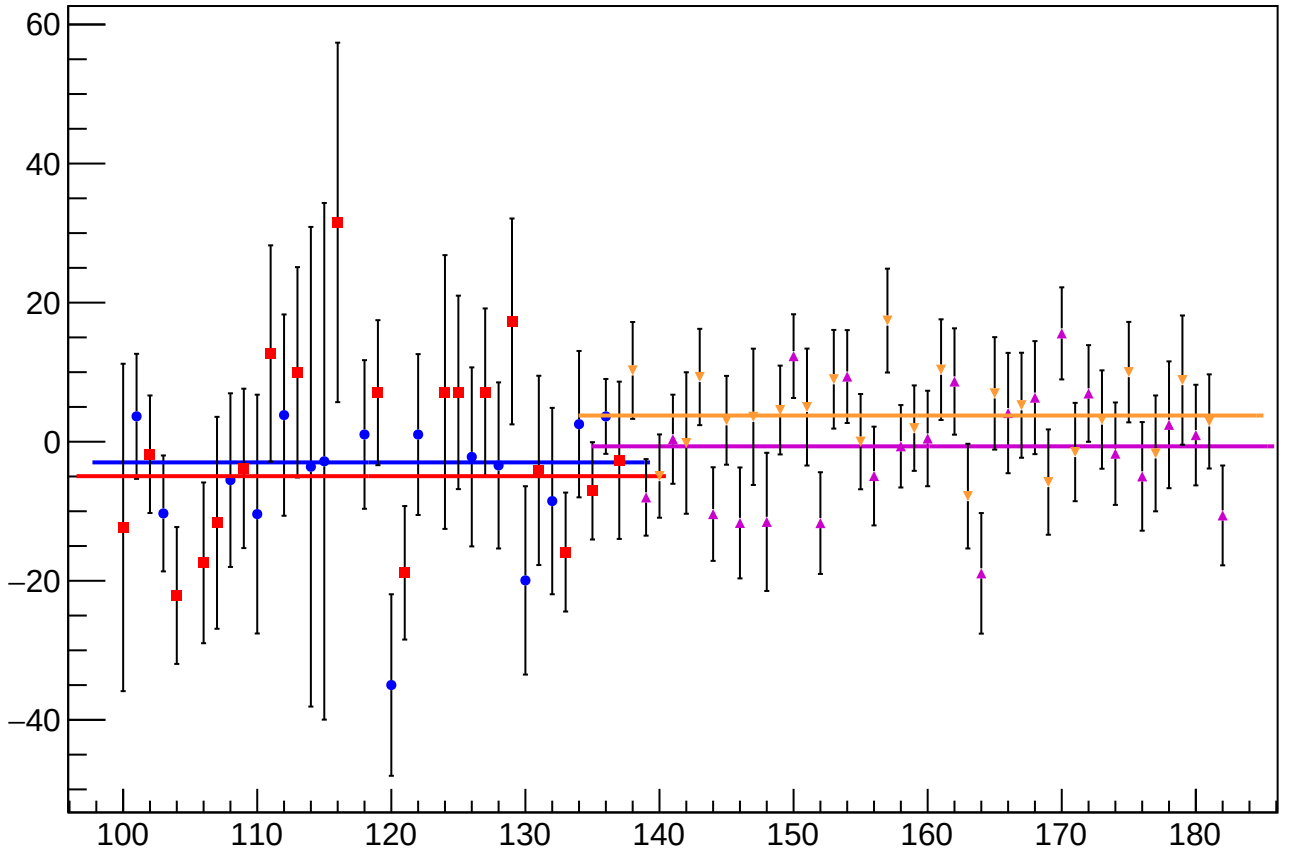
Left: 713.117+/-0.087 χ^2/NDF: 3609213.7/44

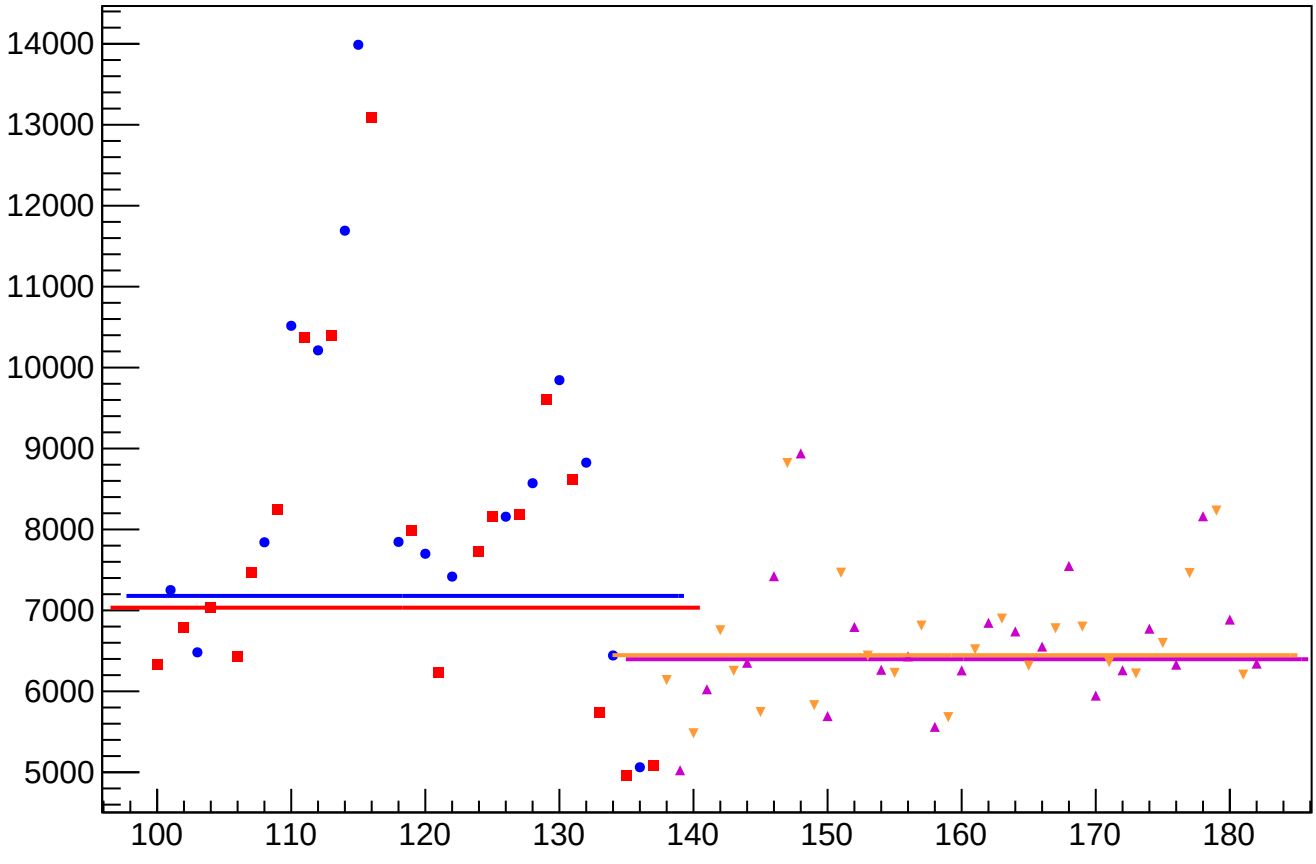
Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 699.165+/-0.102 χ^2/NDF:2930539.0/37

Out: 723.427+/-0.104 χ^2/NDF:1930624.2/41

All: 711.103+/-0.073 χ^2/NDF: 4888871.5/79


diff_bpm_4aY_4ecY_avg_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
Right In: -2.974+/-2.746 χ²/NDF: 11.6/15
Left Out: 3.767+/-1.521 χ²/NDF:15.1/22
Right Out: -4.955+/-2.653 χ²/NDF: 18.5/18
Left In: -0.664+/-1.523 χ²/NDF:33.2/21
Left: 1.553+/-1.076 χ²/NDF: 52.5/44
Right: -3.999+/-1.908 χ²/NDF: 30.3/34
In: -1.207+/-1.332 χ²/NDF:45.3/37
Out: 1.609+/-1.320 χ²/NDF:41.7/41
All: 0.214+/-0.937 χ²/NDF: 89.3/79



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6446.659+/-1.076 χ^2/NDF:412265.1/22

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6396.594+/-1.077 χ^2/NDF:520286.1/21

Left: 6421.651+/-0.761 χ^2/NDF: 933633.2/44

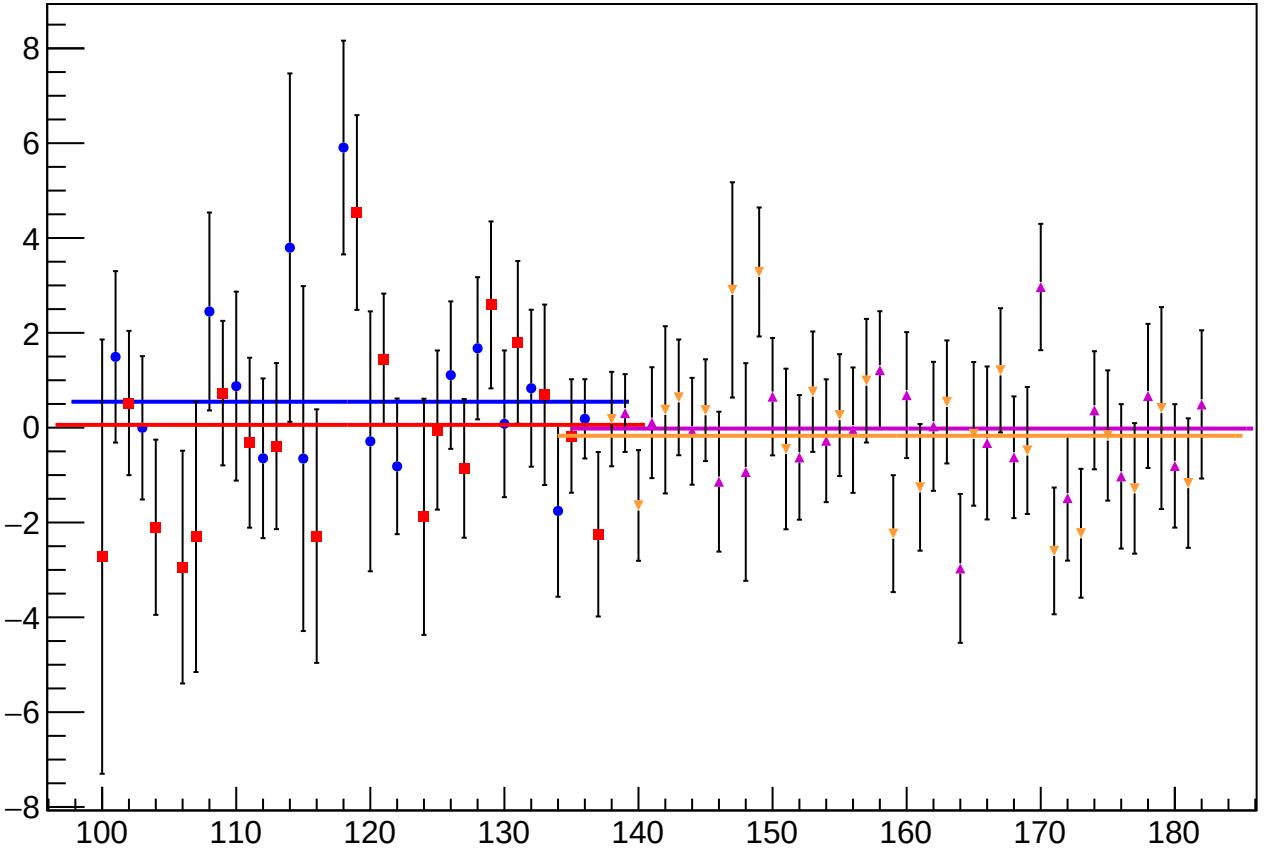
Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6580.570+/-0.942 χ^2/NDF:1406376.8/37

Out: 6591.851+/-0.933 χ^2/NDF:1252301.2/41

All: 6586.262+/-0.663 χ^2/NDF: 2658750.5/79

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.171+/-0.279 χ^2/NDF:24.0/22

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.019+/-0.279 χ^2/NDF:14.0/21

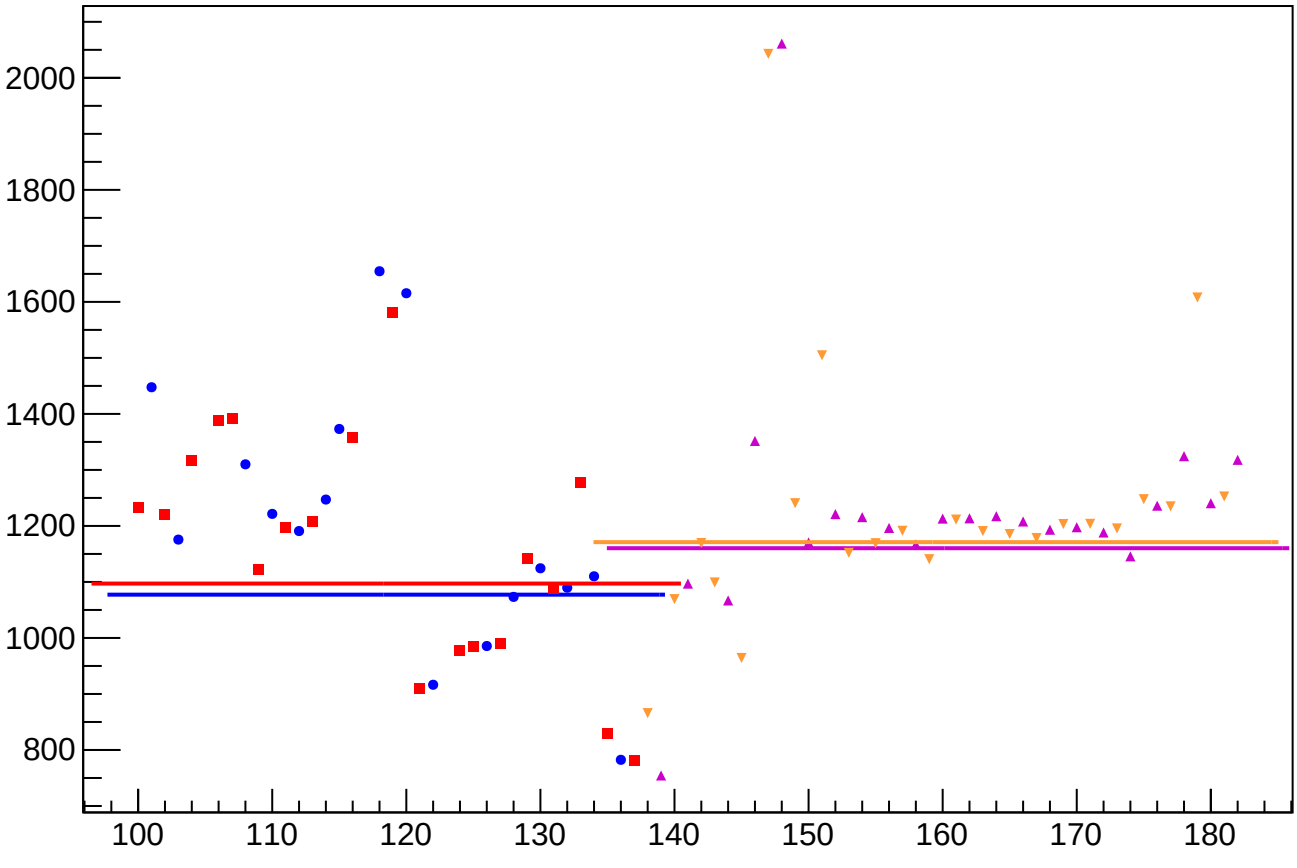
Left: -0.095+/-0.197 χ^2/NDF: 38.2/44

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.160+/-0.231 χ^2/NDF:27.2/37

Out: -0.098+/-0.231 χ^2/NDF:41.1/41

All: 0.031+/-0.163 χ^2/NDF: 68.9/79



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1171.066+/-0.198 χ^2/NDF:771366.9/22

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1160.243+/-0.197 χ^2/NDF:931806.3/21

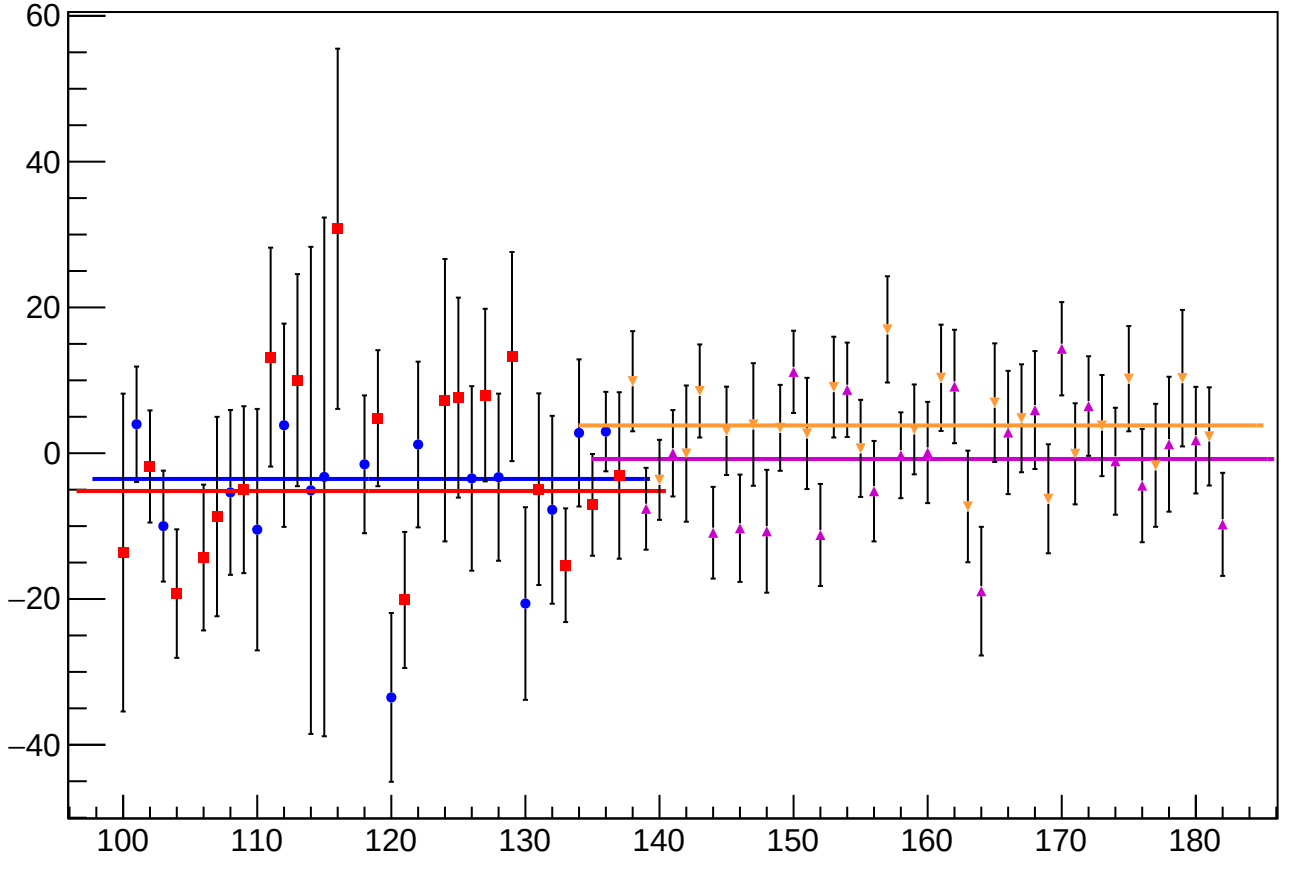
Left: 1165.645+/-0.140 χ^2/NDF: 1704675.5/44

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1134.075+/-0.163 χ^2/NDF:1634107.2/37

Out: 1147.513+/-0.163 χ^2/NDF:1300341.3/41

All: 1140.796+/-0.115 χ^2/NDF: 2937839.7/79



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.819+/-1.472 χ^2/NDF:14.4/22

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -0.788+/-1.484 χ^2/NDF:31.9/21

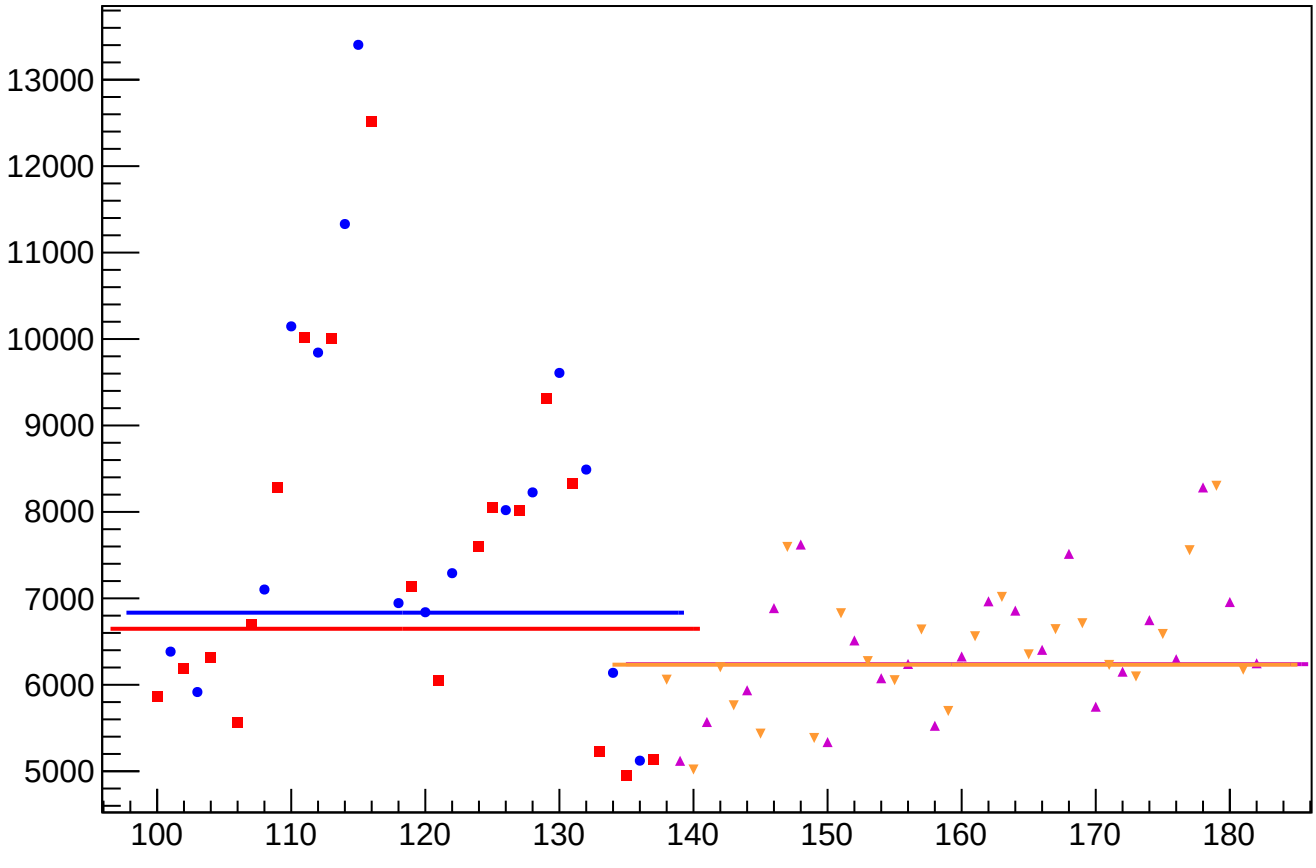
Left: 1.534+/-1.045 χ^2/NDF: 51.1/44

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -1.458+/-1.290 χ^2/NDF:45.3/37

Out: 1.515+/-1.269 χ^2/NDF:42.2/41

All: 0.052+/-0.905 χ^2/NDF: 90.2/79



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6232.928+/-1.041 χ^2/NDF:465989.8/22

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6238.636+/-1.049 χ^2/NDF:480495.4/21

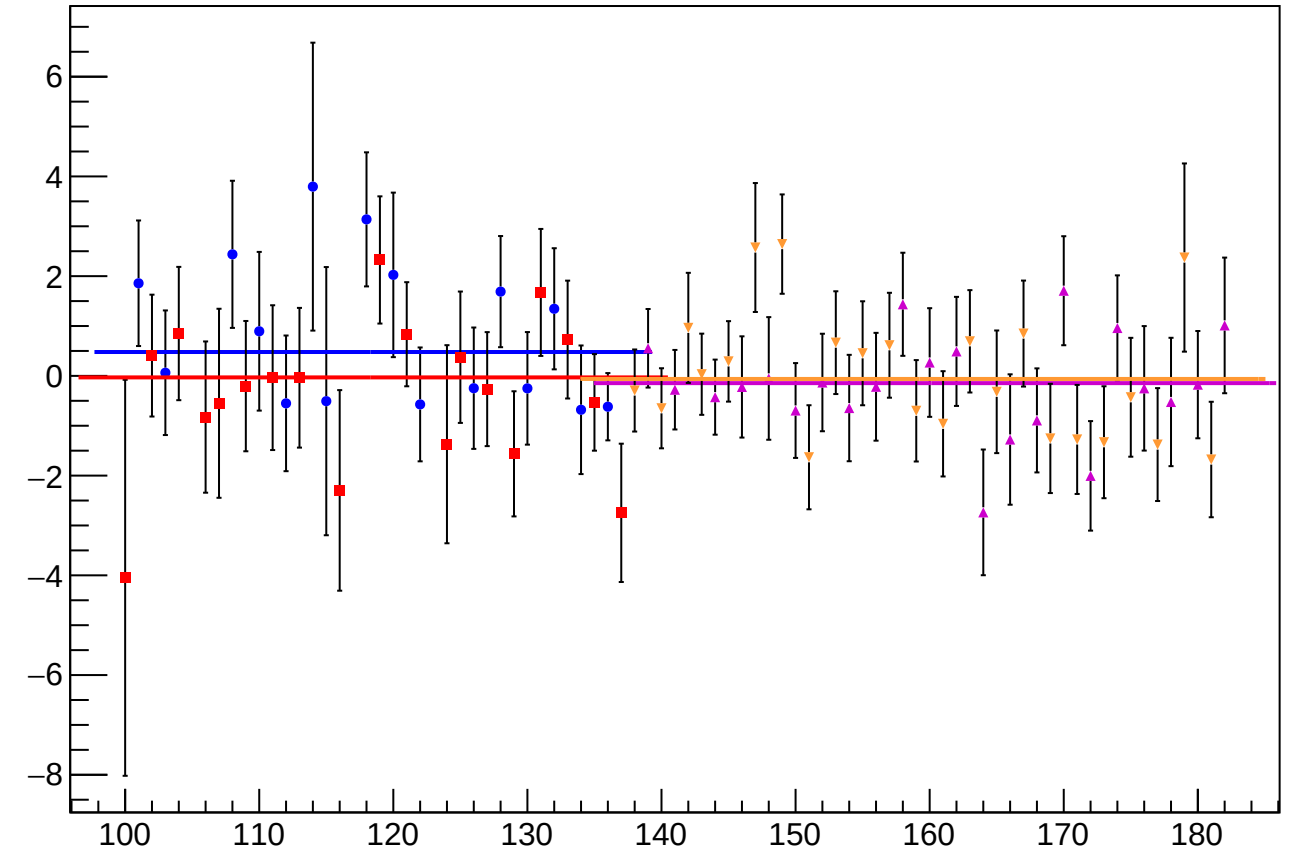
Left: 6235.758+/-0.739 χ^2/NDF: 946500.2/44

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6384.288+/-0.912 χ^2/NDF:1252043.7/37

Out: 6339.236+/-0.897 χ^2/NDF:1291842.8/41

All: 6361.402+/-0.640 χ^2/NDF: 2545126.3/79



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.061+/-0.216 χ^2/NDF:27.8/22

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.145+/-0.221 χ^2/NDF:17.5/21

Left: -0.102+/-0.154 χ^2/NDF: 45.4/44

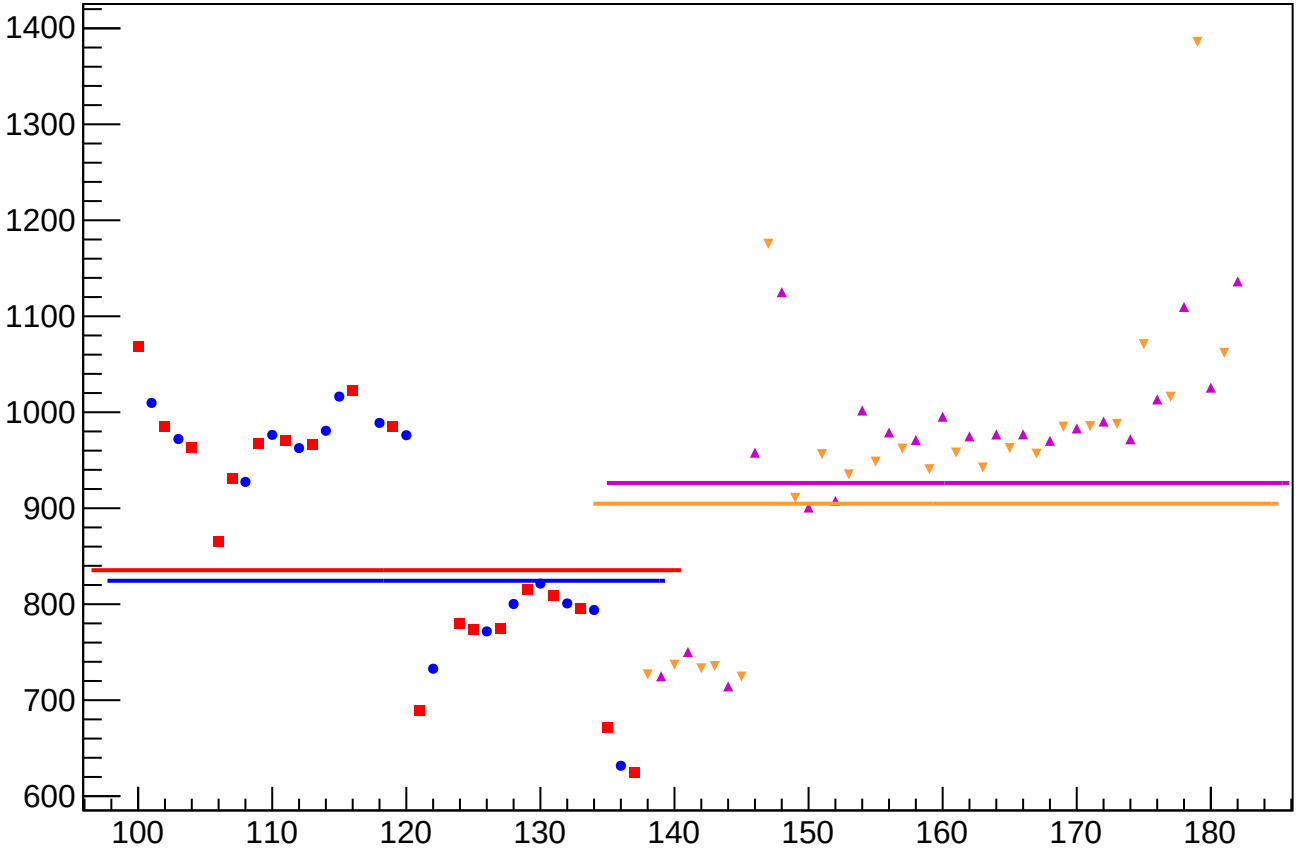
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.065+/-0.180 χ^2/NDF:36.9/37

Out: -0.051+/-0.177 χ^2/NDF:43.5/41

All: 0.006+/-0.126 χ^2/NDF: 80.6/79

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 904.726+/-0.152 χ^2/NDF:796209.9/22

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 926.335+/-0.156 χ^2/NDF:614392.9/21

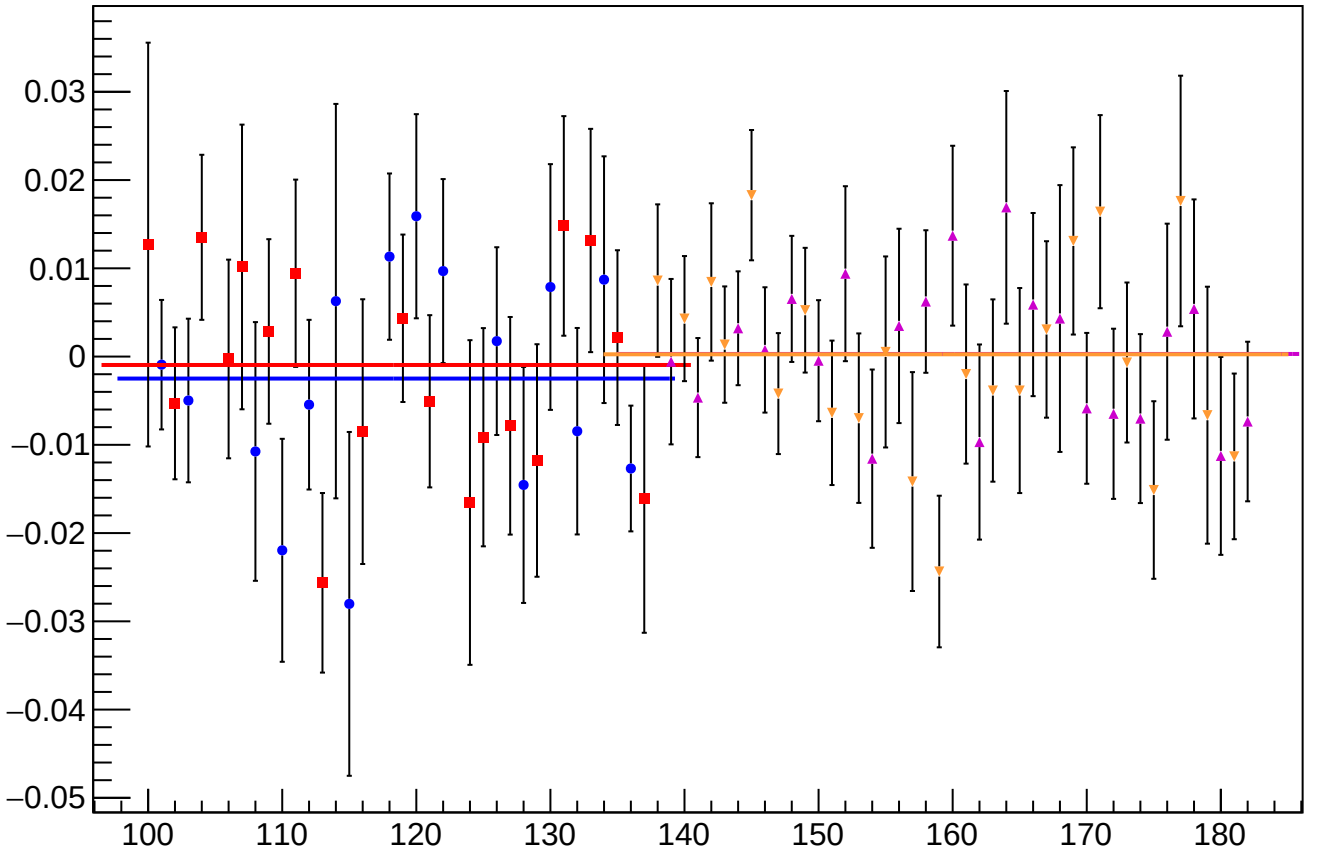
Left: 915.250+/-0.109 χ^2/NDF: 1420389.3/44

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 892.059+/-0.127 χ^2/NDF:1122548.8/37

Out: 881.995+/-0.125 χ^2/NDF:1183285.4/41

All: 886.927+/-0.089 χ^2/NDF: 2309013.0/79



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:29.5/22

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.000+/-0.002 χ^2/NDF:12.5/21

Left: 0.000+/-0.001 χ^2/NDF: 41.9/44

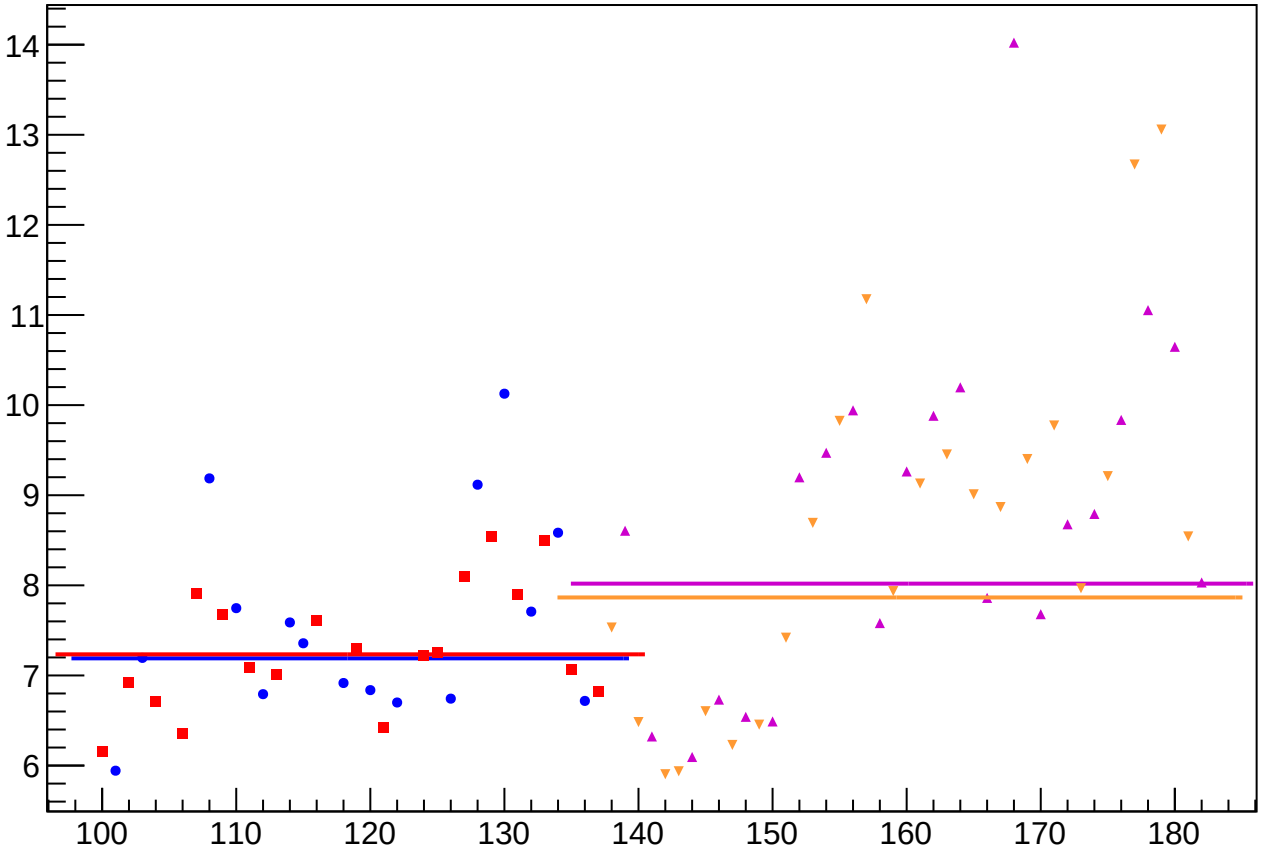
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.001+/-0.002 χ^2/NDF:28.5/37

Out: -0.000+/-0.002 χ^2/NDF:46.9/41

All: -0.000+/-0.001 χ^2/NDF: 75.4/79

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.866+/-0.001 χ^2/NDF:1579097.2/22

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 8.019+/-0.001 χ^2/NDF:1455714.1/21

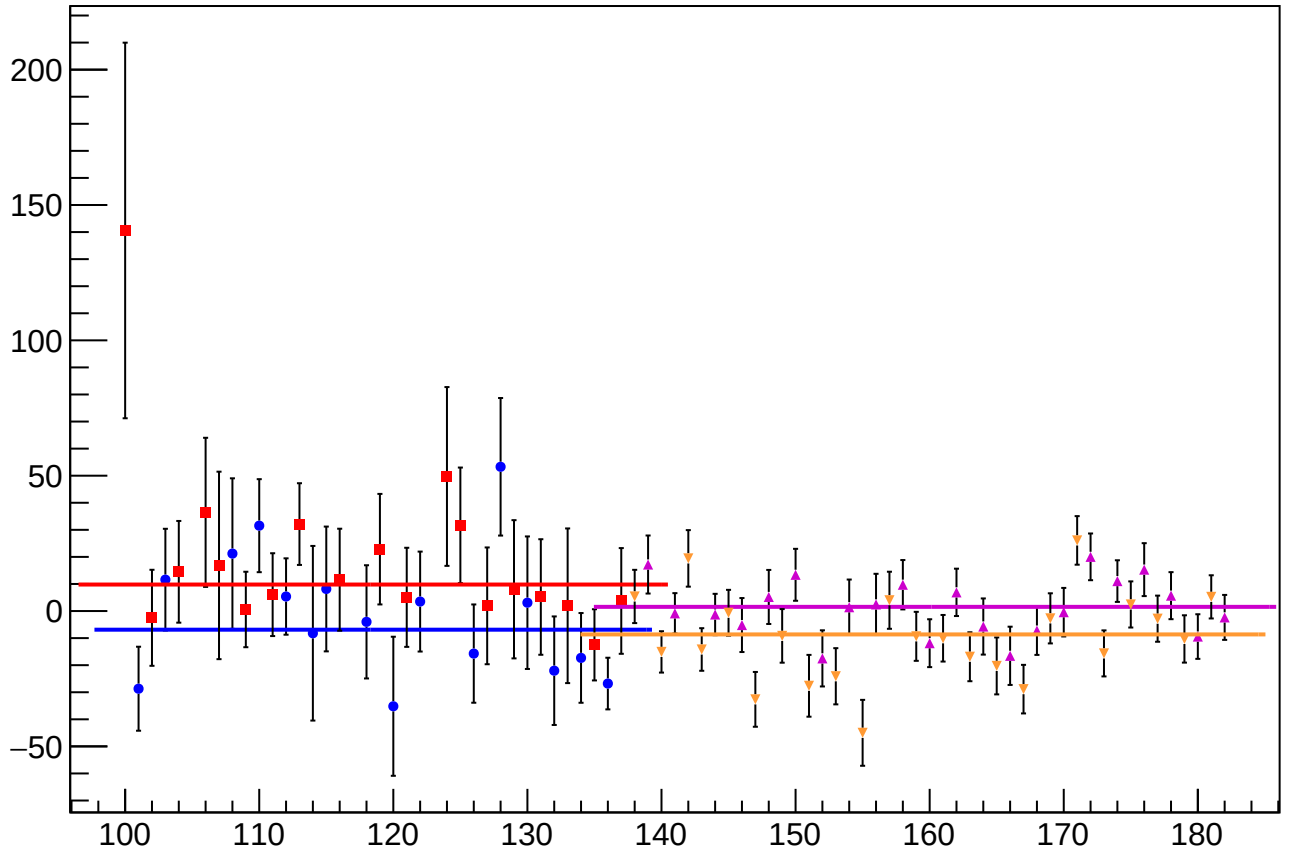
Left: 7.941+/-0.001 χ^2/NDF: 3041243.9/44

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.739+/-0.001 χ^2/NDF:1857482.7/37

Out: 7.654+/-0.001 χ^2/NDF:1760202.9/41

All: 7.695+/-0.001 χ^2/NDF: 3620701.2/79



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -8.637+/-1.914 χ^2/NDF:60.8/22

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 1.547+/-1.941 χ^2/NDF:26.0/21

Left: -3.618+/-1.363 χ^2/NDF: 100.7/44

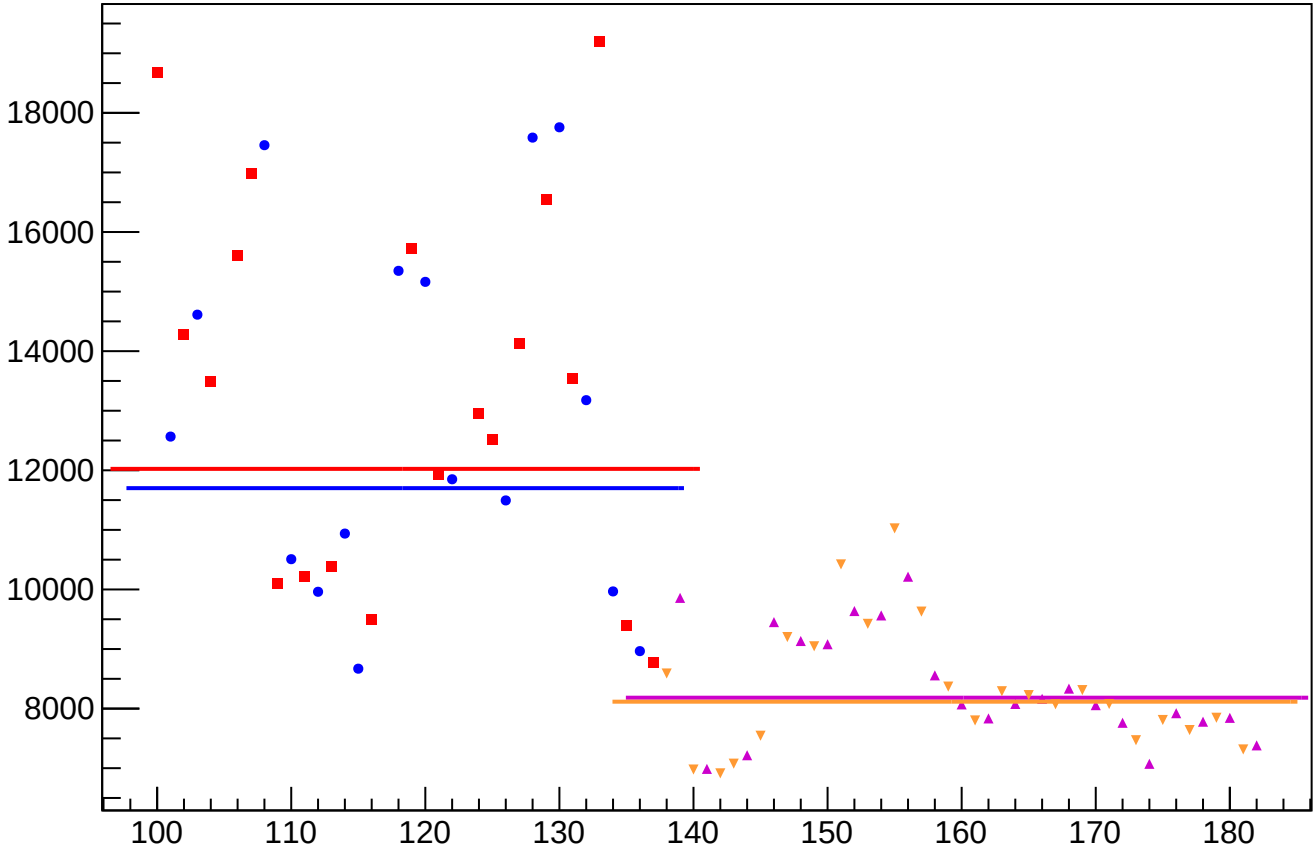
Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: 0.217+/-1.782 χ^2/NDF:52.0/37

Out: -5.833+/-1.762 χ^2/NDF:88.9/41

All: -2.842+/-1.253 χ^2/NDF: 146.7/79

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8116.152+/-1.353 χ^2/NDF:477534.7/22

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8182.988+/-1.373 χ^2/NDF:422662.9/21

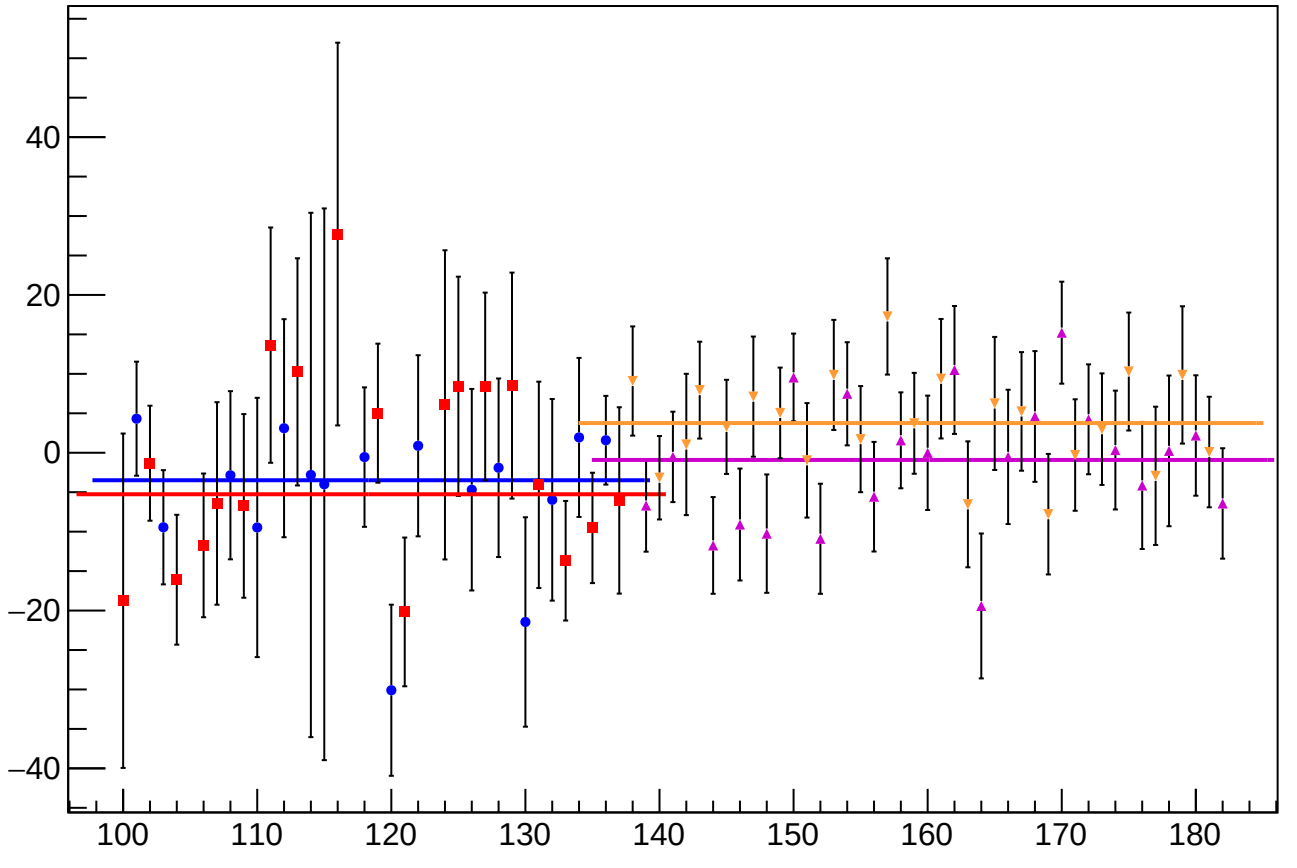
Left: 8149.092+/-0.964 χ^2/NDF: 901400.0/44

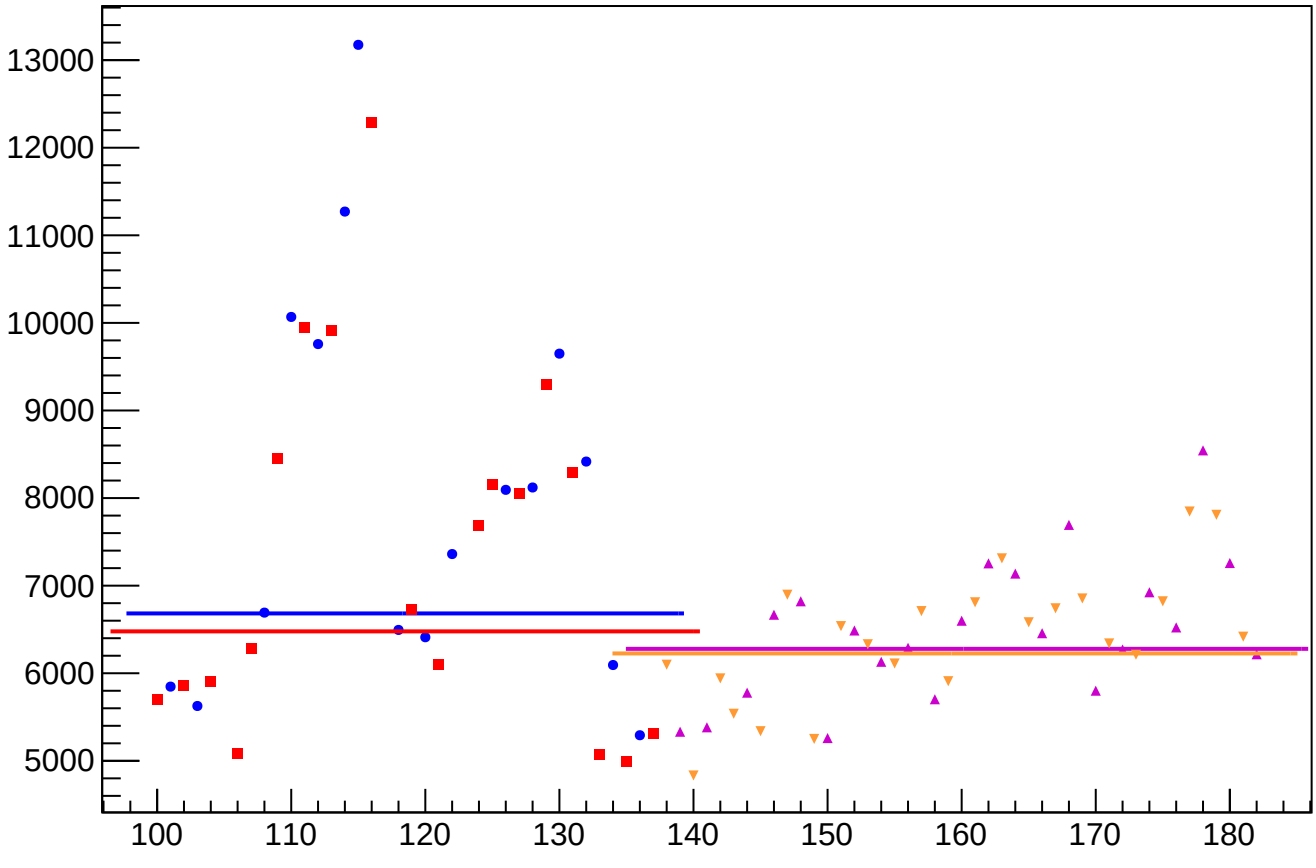
Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 8737.288+/-1.260 χ^2/NDF:2197726.0/37

Out: 8710.753+/-1.246 χ^2/NDF:2431479.8/41

All: 8723.873+/-0.886 χ^2/NDF: 4629430.1/79


diff_targ_positionY_mean vs Slug, Sign Corrected
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
Right In: -3.485+/-2.550 χ²/NDF: 11.5/15
Left Out: 3.763+/-1.470 χ²/NDF:14.8/22
Right Out: -5.259+/-2.446 χ²/NDF: 16.6/18
Left In: -0.911+/-1.493 χ²/NDF:29.1/21
Left: 1.462+/-1.048 χ²/NDF: 48.9/44
Right: -4.409+/-1.765 χ²/NDF: 28.3/34
In: -1.568+/-1.288 χ²/NDF:41.3/37
Out: 1.369+/-1.260 χ²/NDF:41.4/41
All: -0.067+/-0.901 χ²/NDF: 85.4/79



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6226.231+/-1.040 χ^2/NDF:527210.5/22

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6278.577+/-1.056 χ^2/NDF:501872.3/21

Left: 6252.009+/-0.741 χ^2/NDF: 1030331.0/44

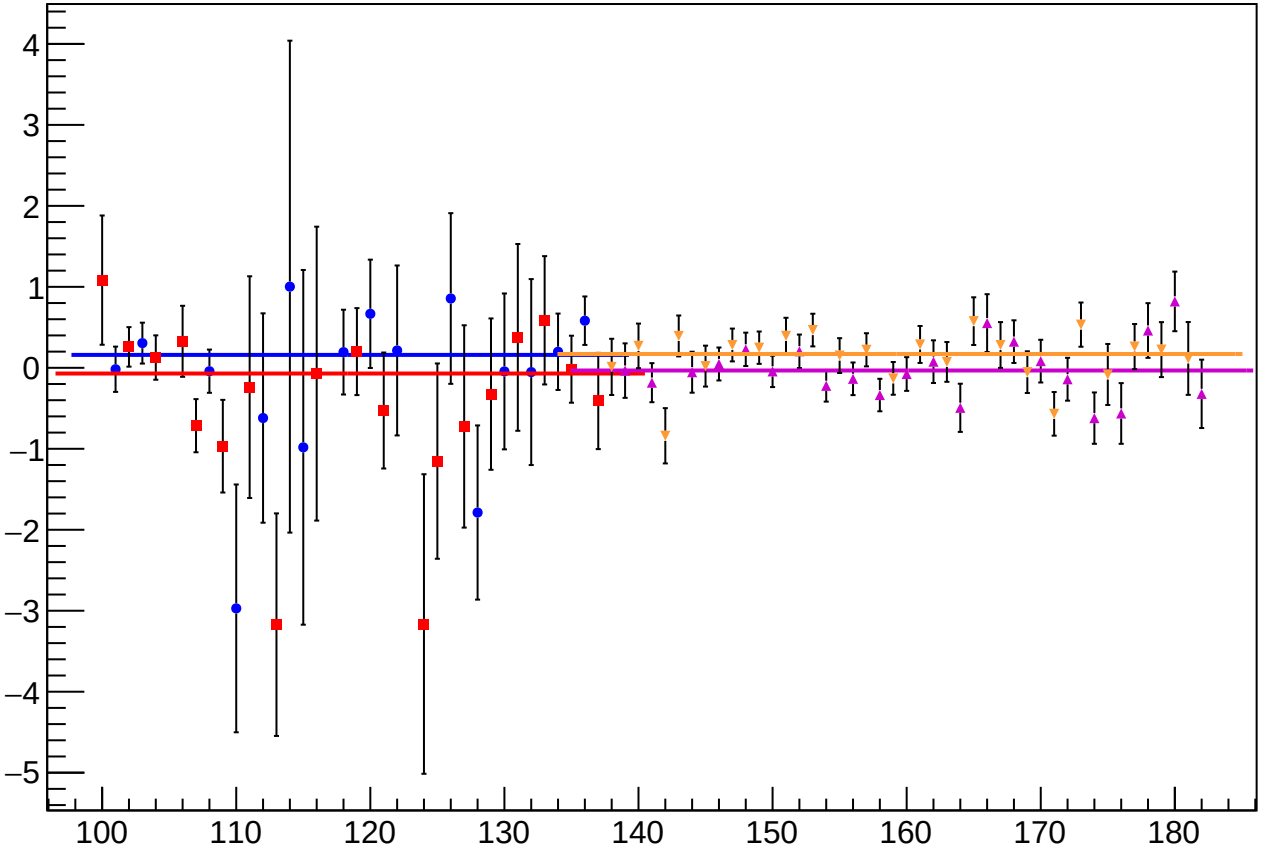
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6381.818+/-0.911 χ^2/NDF:1231544.7/37

Out: 6293.087+/-0.891 χ^2/NDF:1382014.3/41

All: 6336.481+/-0.637 χ^2/NDF: 2618407.1/79

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.171+/-0.053 χ^2/NDF:29.2/22

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.033+/-0.053 χ^2/NDF:27.9/21

Left: 0.070+/-0.037 χ^2/NDF: 64.5/44

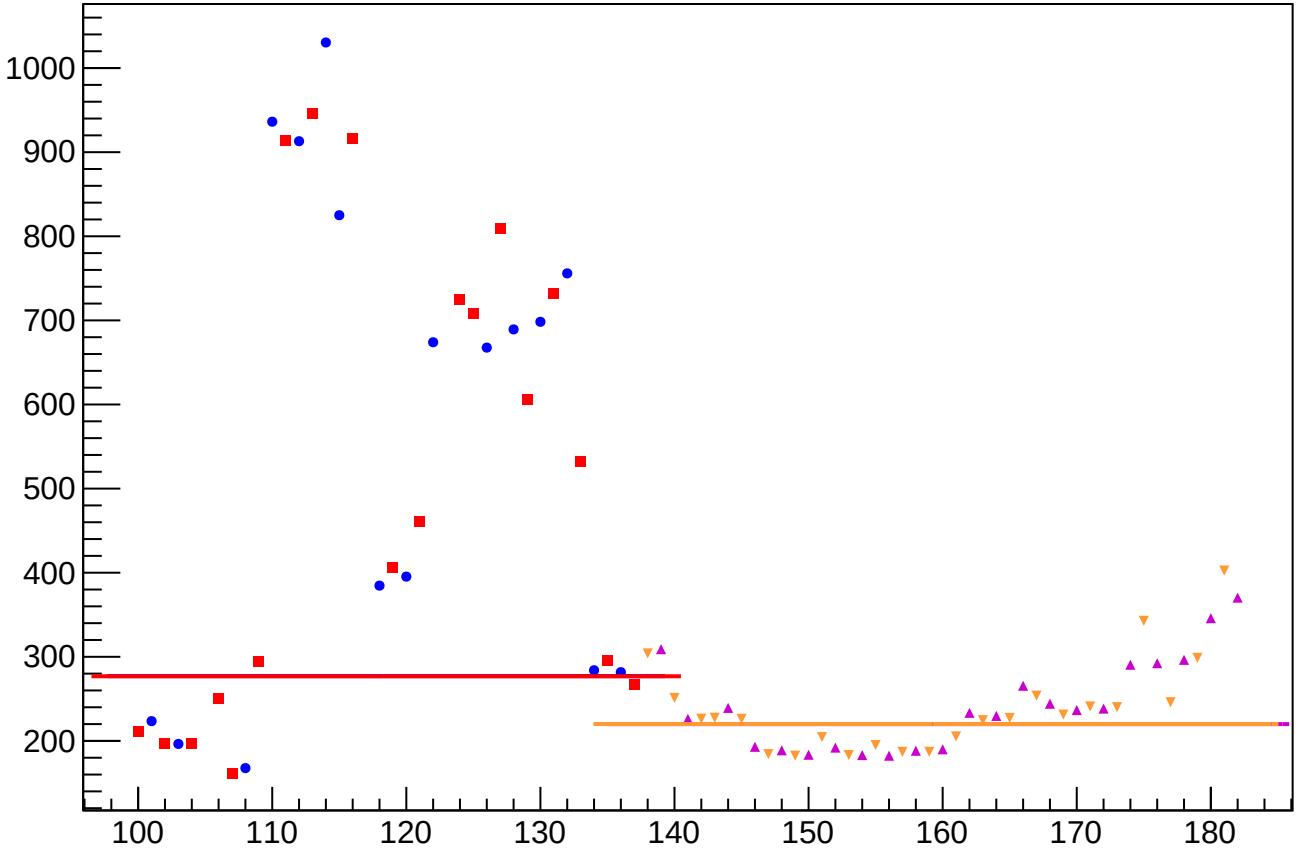
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.001+/-0.049 χ^2/NDF:42.6/37

Out: 0.132+/-0.048 χ^2/NDF:55.1/41

All: 0.066+/-0.034 χ^2/NDF: 101.5/79

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 220.078+/-0.037 χ^2/NDF:1220212.2/22

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 219.984+/-0.038 χ^2/NDF:1411978.4/21

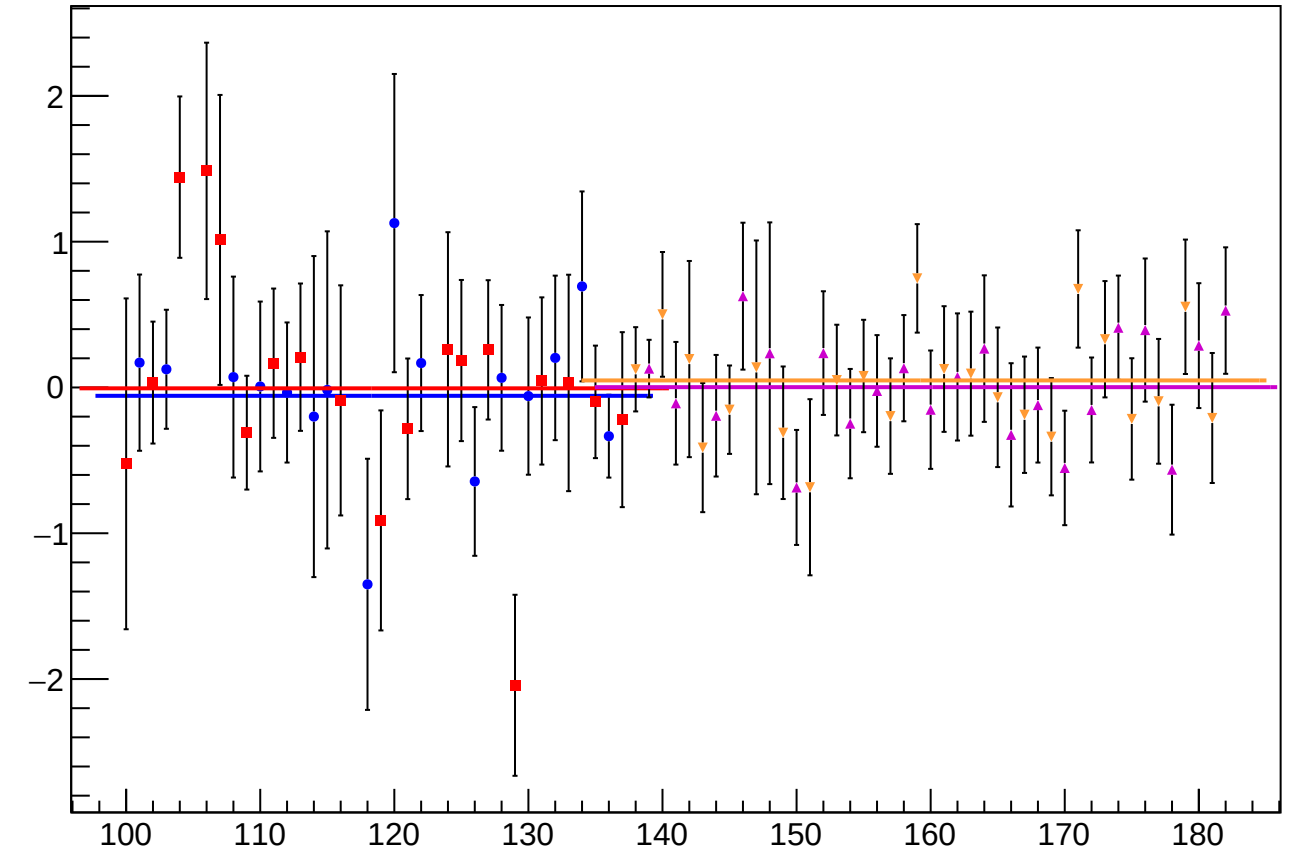
Left: 220.032+/-0.026 χ^2/NDF: 2632193.8/44

Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 229.402+/-0.034 χ^2/NDF:5242336.1/37

Out: 229.276+/-0.034 χ^2/NDF:5169071.8/41

All: 229.338+/-0.024 χ^2/NDF: 10411414.6/79



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.048+/-0.087 χ^2/NDF:15.1/22

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: 0.002+/-0.083 χ^2/NDF:14.9/21

Left: 0.024+/-0.060 χ^2/NDF: 30.1/44

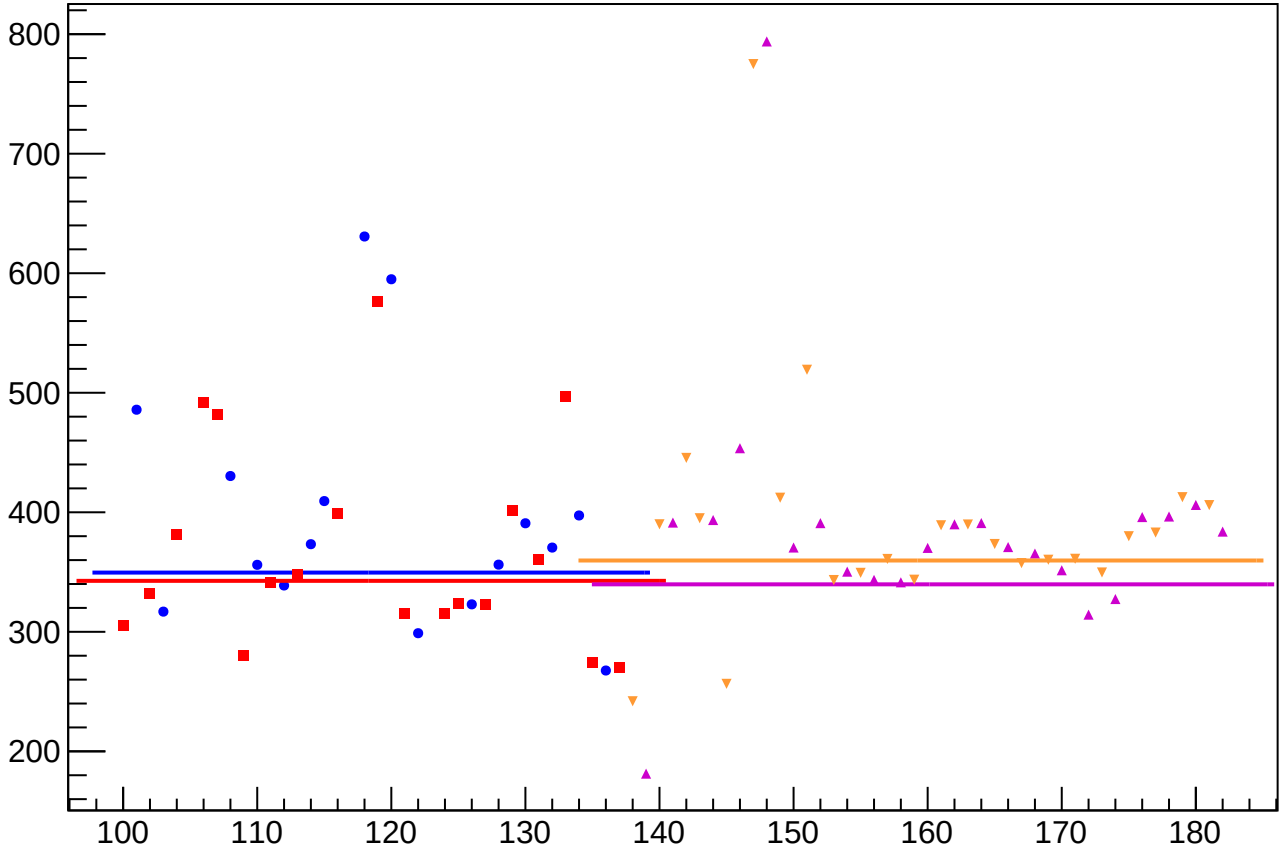
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.015+/-0.071 χ^2/NDF:23.1/37

Out: 0.031+/-0.072 χ^2/NDF:40.4/41

All: 0.008+/-0.050 χ^2/NDF: 63.8/79

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 359.664+/-0.061 χ^2/NDF:1330860.9/22

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 339.719+/-0.059 χ^2/NDF:2223447.2/21

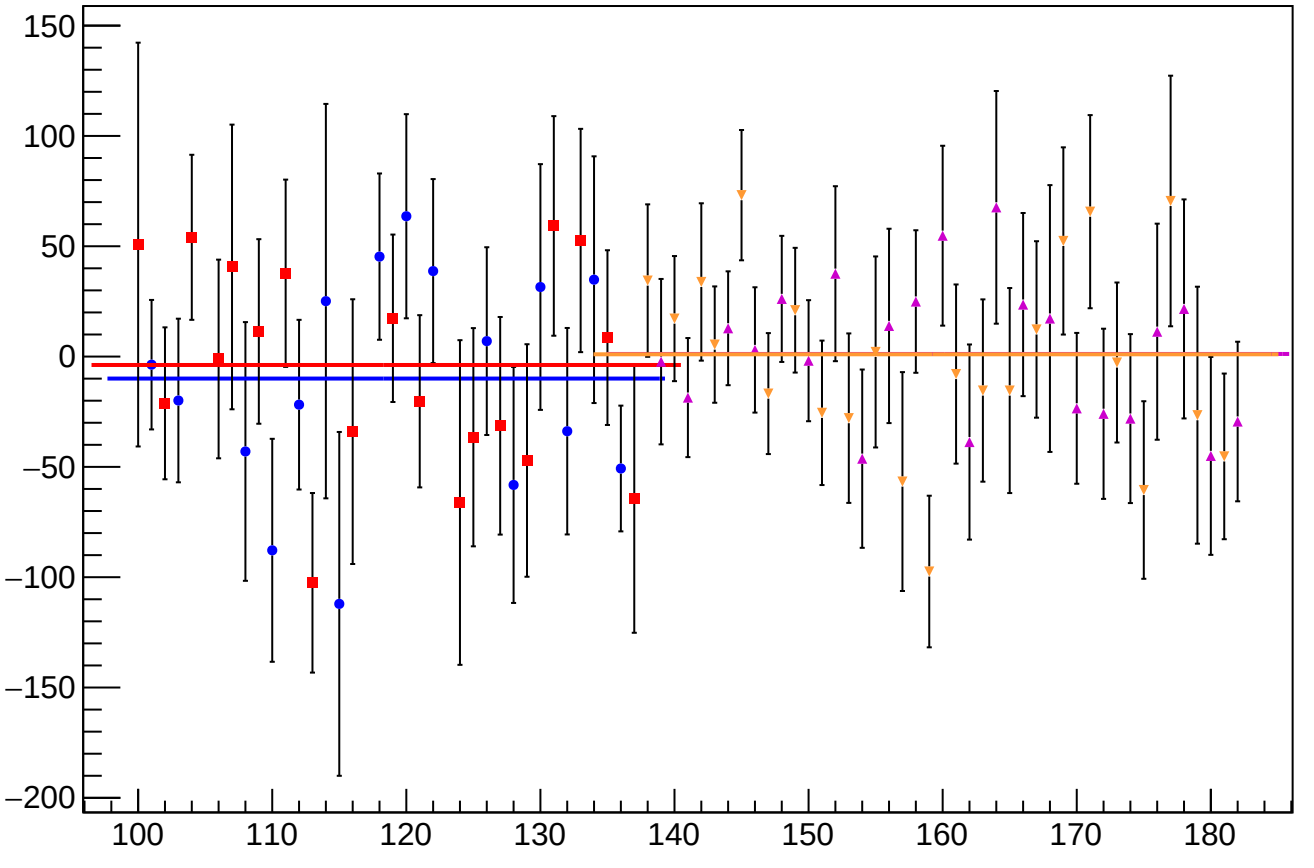
Left: 349.310+/-0.043 χ^2/NDF: 3609213.7/44

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 342.476+/-0.050 χ^2/NDF:2930539.0/37

Out: 354.361+/-0.051 χ^2/NDF:1930624.2/41

All: 348.324+/-0.036 χ^2/NDF: 4888871.5/79



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.032+/-7.563 χ^2/NDF:29.5/22

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 1.180+/-7.733 χ^2/NDF:12.5/21

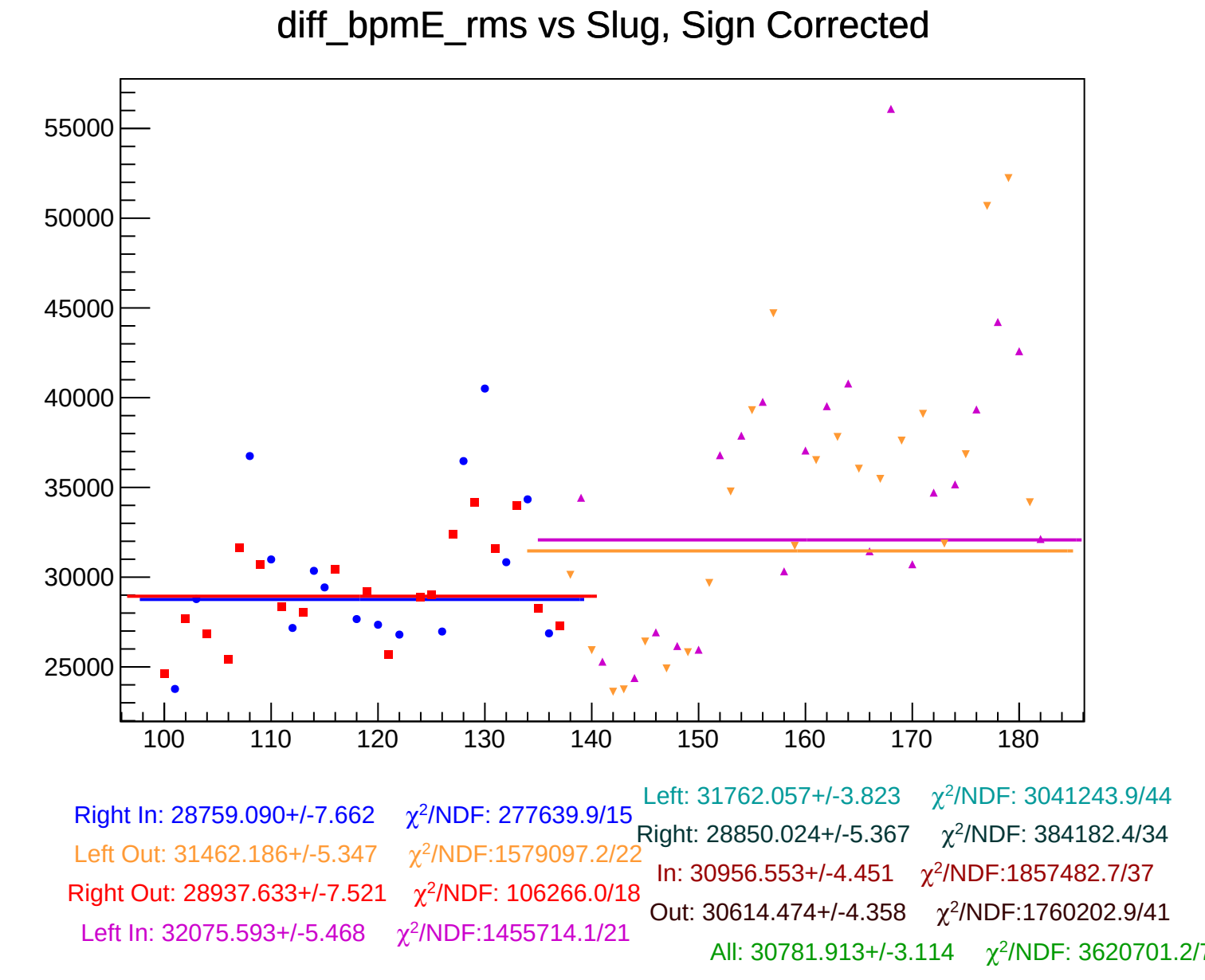
Left: 1.104+/-5.407 χ^2/NDF: 41.9/44

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

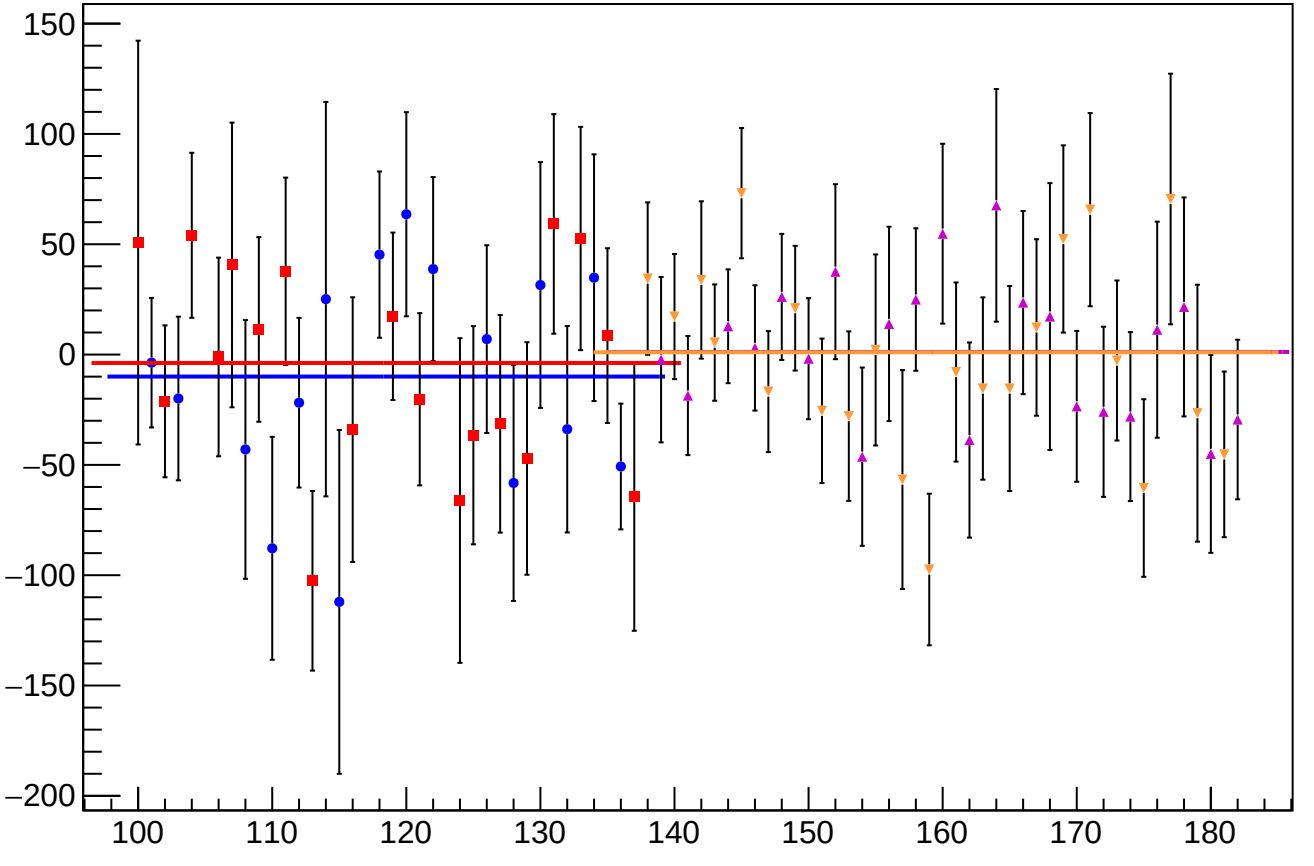
In: -2.582+/-6.295 χ^2/NDF:28.5/37

Out: -0.595+/-6.163 χ^2/NDF:46.9/41

All: -1.568+/-4.404 χ^2/NDF: 75.4/79


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 31462.186+/-5.347 χ²/NDF:1579097.2/22
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32075.593+/-5.468 χ²/NDF:1455714.1/21
Left: 31762.057+/-3.823 χ²/NDF: 3041243.9/44
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30956.553+/-4.451 χ²/NDF:1857482.7/37
Out: 30614.474+/-4.358 χ²/NDF:1760202.9/41
All: 30781.913+/-3.114 χ²/NDF: 3620701.2/7

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.032+/-7.563 χ^2/NDF:29.5/22

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 1.180+/-7.733 χ^2/NDF:12.5/21

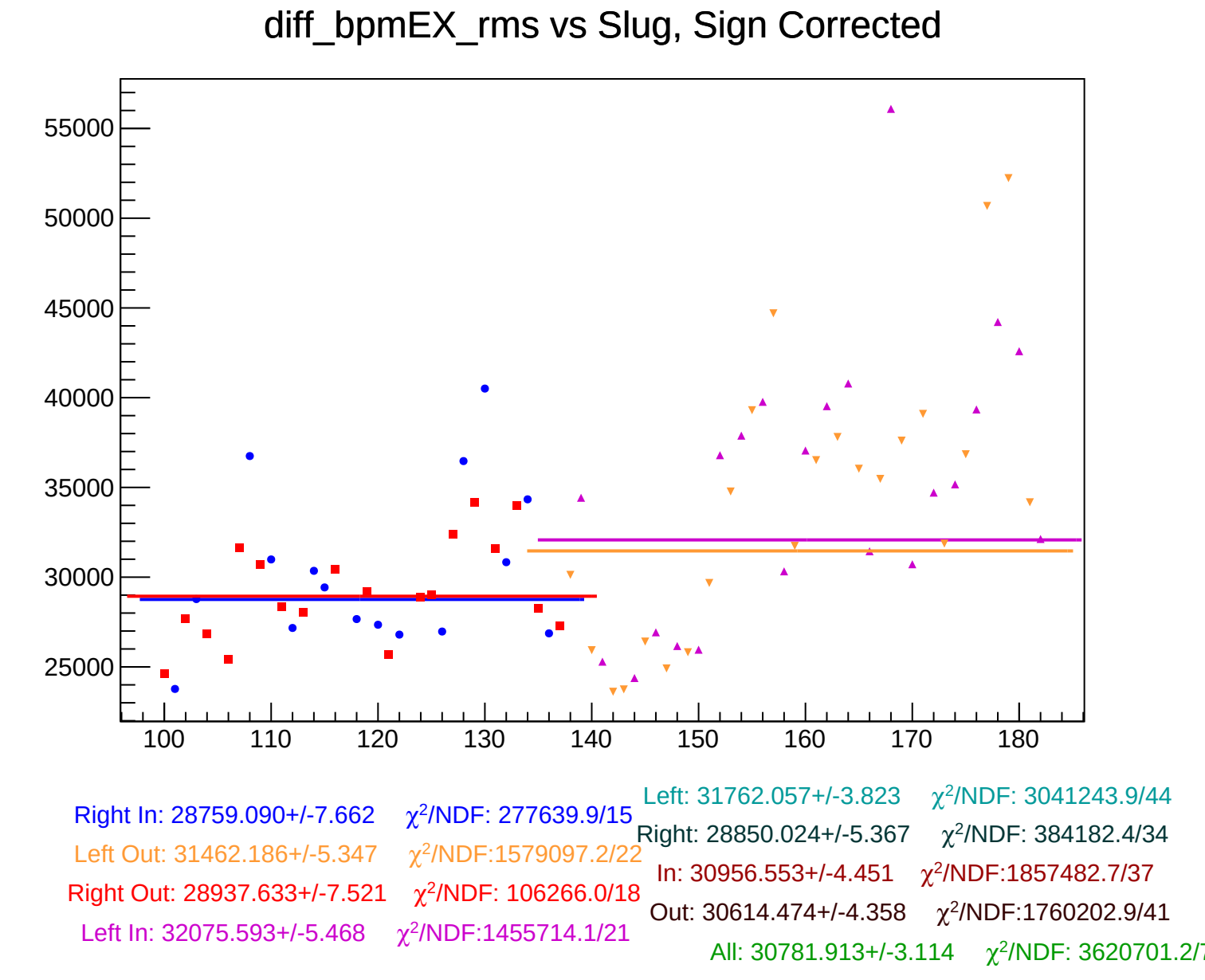
Left: 1.104+/-5.407 χ^2/NDF: 41.9/44

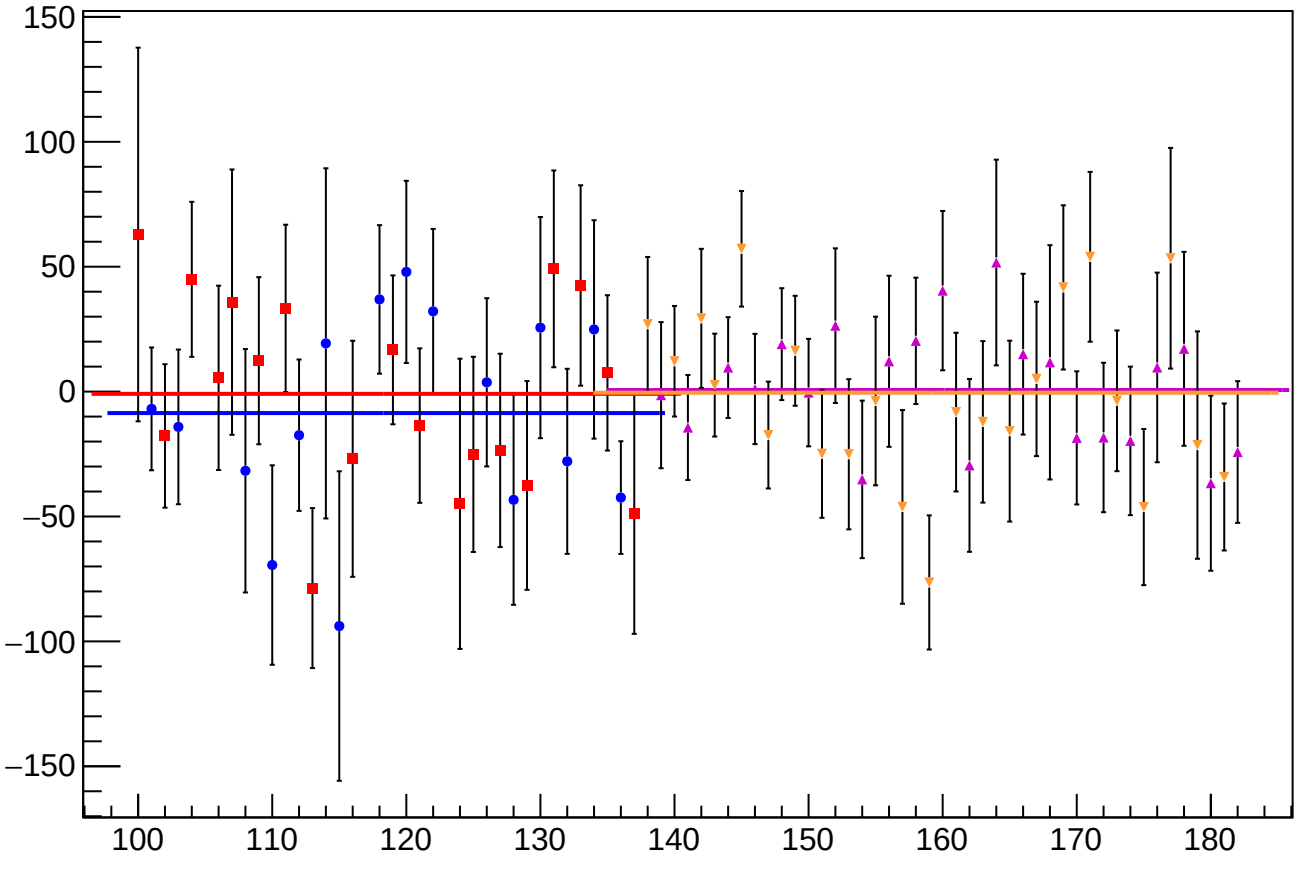
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -2.582+/-6.295 χ^2/NDF:28.5/37

Out: -0.595+/-6.163 χ^2/NDF:46.9/41

All: -1.568+/-4.404 χ^2/NDF: 75.4/79


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 31462.186+/-5.347 χ²/NDF:1579097.2/22
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32075.593+/-5.468 χ²/NDF:1455714.1/21
Left: 31762.057+/-3.823 χ²/NDF: 3041243.9/44
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30956.553+/-4.451 χ²/NDF:1857482.7/37
Out: 30614.474+/-4.358 χ²/NDF:1760202.9/41
All: 30781.913+/-3.114 χ²/NDF: 3620701.2/7



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -0.441+/-5.900 χ^2/NDF:30.7/22

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 0.635+/-6.035 χ^2/NDF:11.7/21

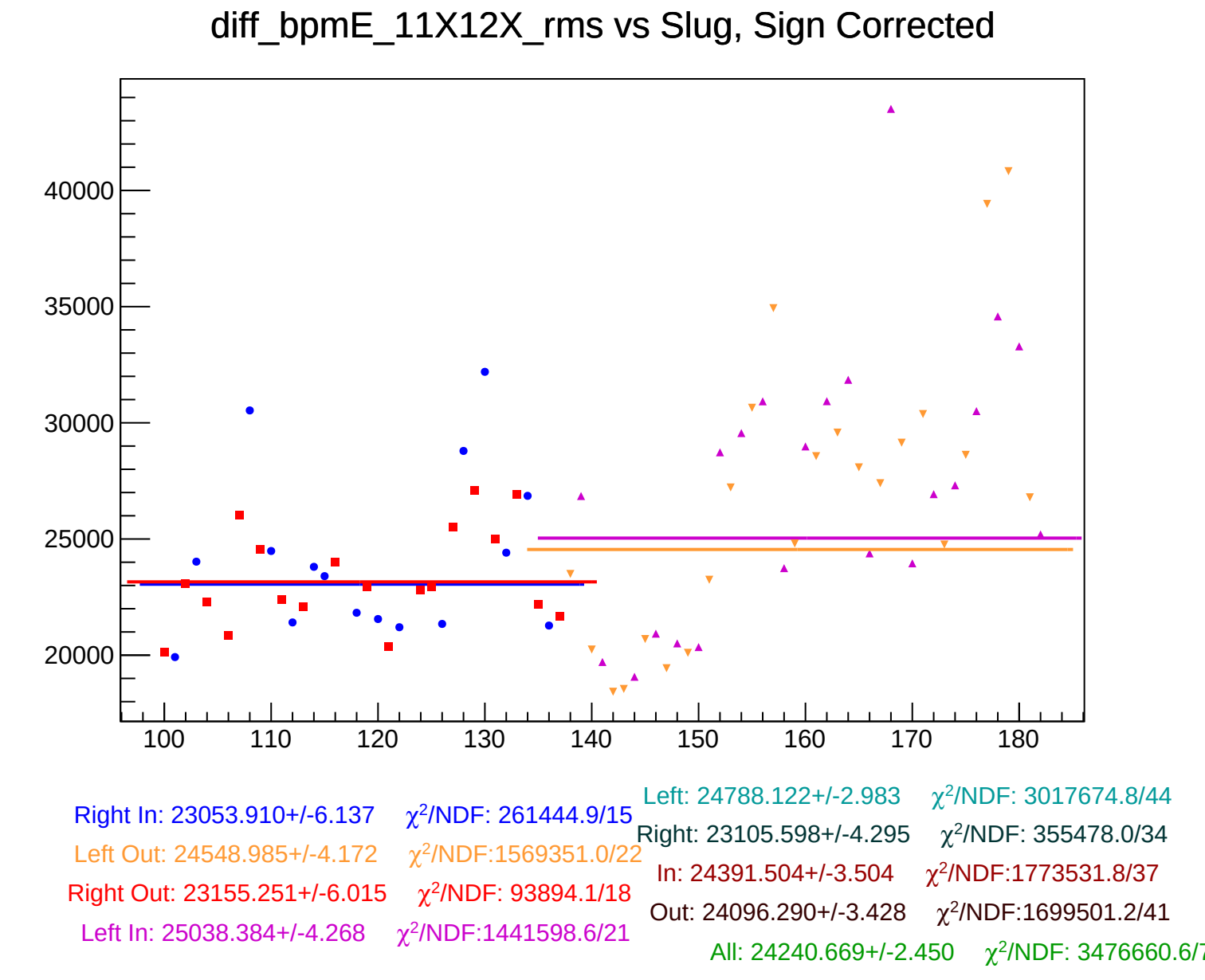
Left: 0.085+/-4.219 χ^2/NDF: 42.4/44

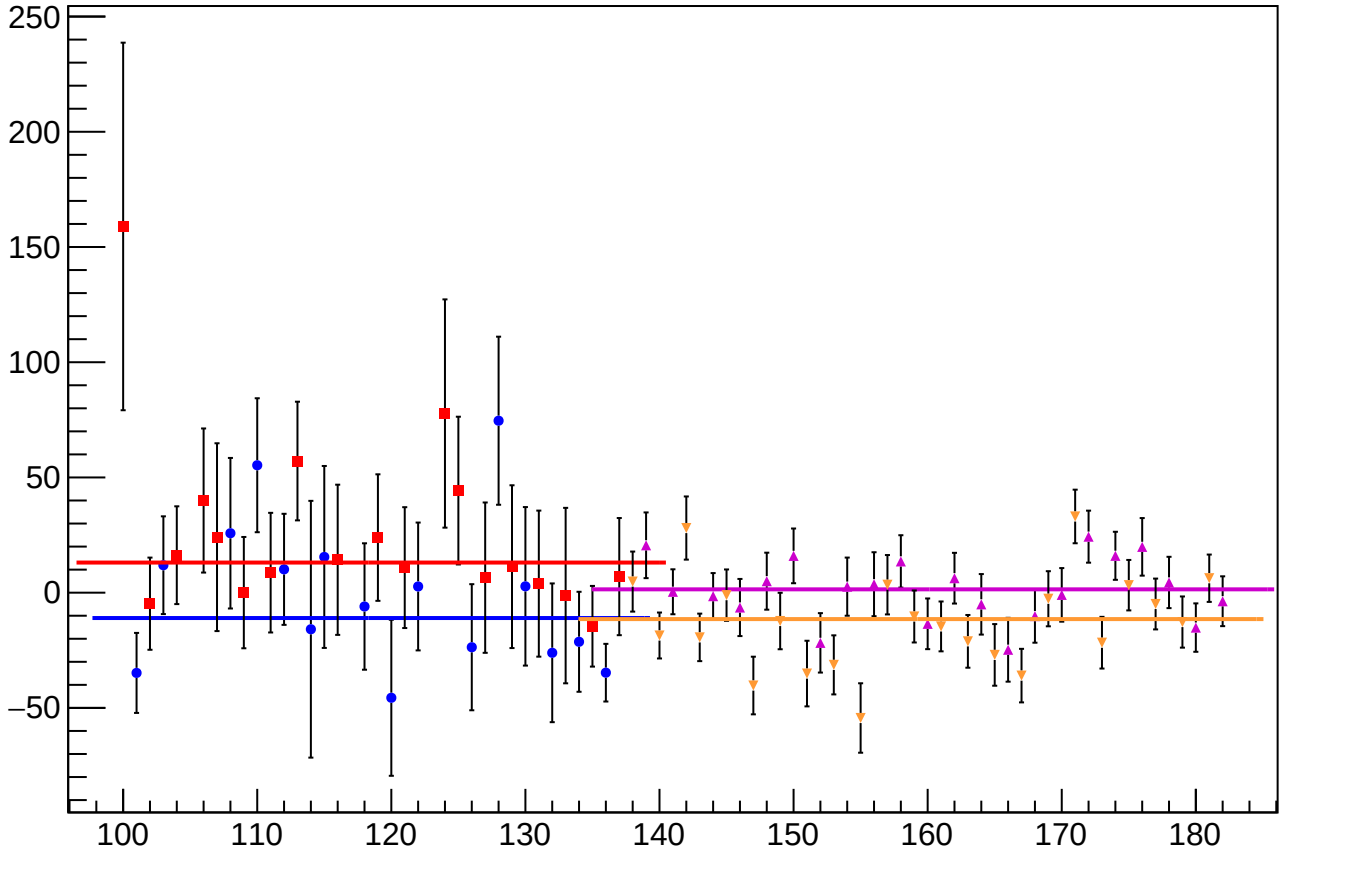
Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

In: -2.375+/-4.955 χ^2/NDF:28.0/37

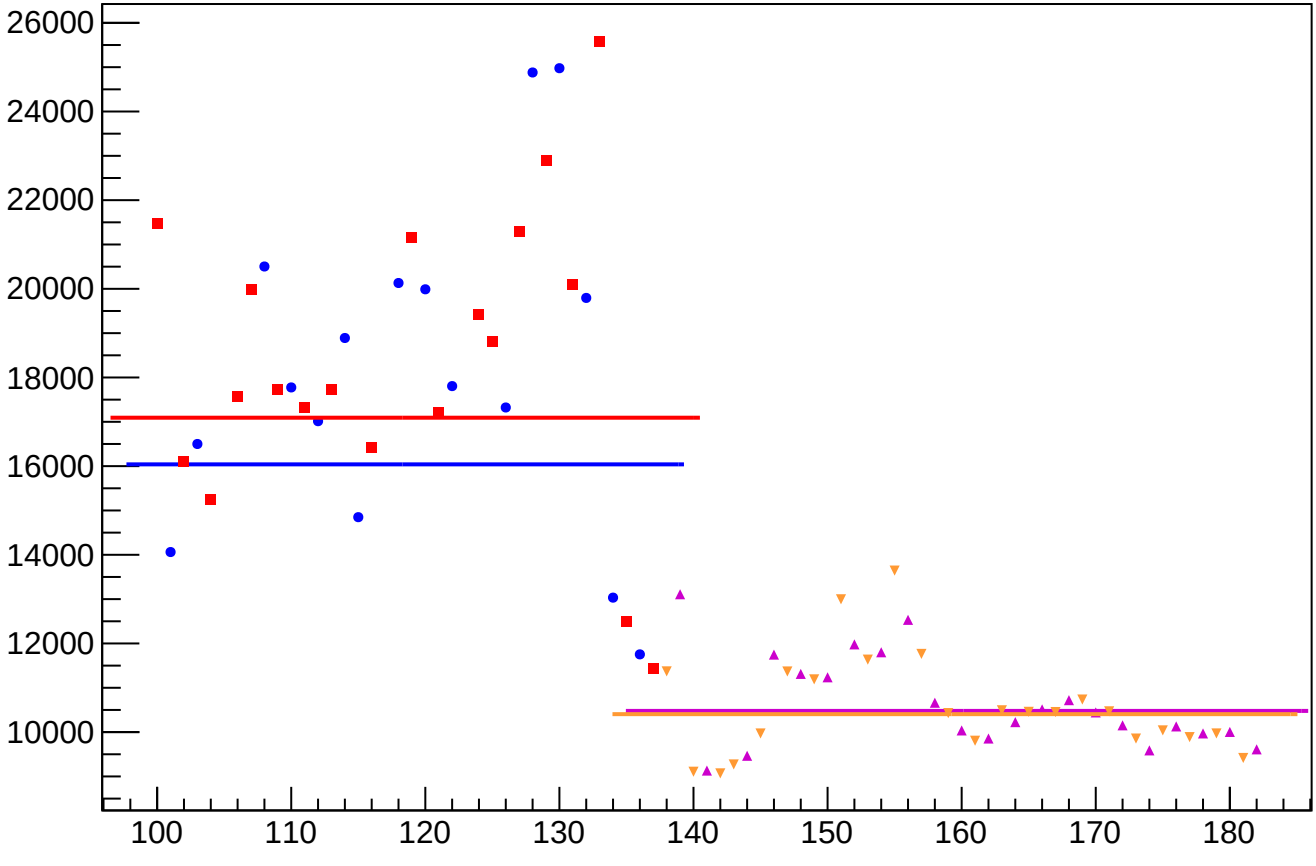
Out: -0.591+/-4.848 χ^2/NDF:48.3/41

All: -1.464+/-3.465 χ^2/NDF: 76.4/79


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
180
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 24548.985+/-4.172 χ²/NDF:1569351.0/22
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 25038.384+/-4.268 χ²/NDF:1441598.6/21
Left: 24788.122+/-2.983 χ²/NDF: 3017674.8/44
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 24391.504+/-3.504 χ²/NDF:1773531.8/37
Out: 24096.290+/-3.428 χ²/NDF:1699501.2/41
All: 24240.669+/-2.450 χ²/NDF: 3476660.6/7


diff_bpm4aesumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
Right In: -11.002+/-6.155 χ²/NDF: 22.0/15
Left Out: -11.461+/-2.449 χ²/NDF:59.6/22
Right Out: 13.071+/-6.382 χ²/NDF: 13.9/18
Left In: 1.446+/-2.482 χ²/NDF:26.2/21
Left: -5.094+/-1.743 χ²/NDF: 99.5/44
Right: 0.599+/-4.430 χ²/NDF: 43.3/34
In: -0.295+/-2.302 χ²/NDF:51.8/37
Out: -8.313+/-2.286 χ²/NDF:86.3/41
All: -4.331+/-1.622 χ²/NDF: 144.2/79

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10404.997+/-1.731 χ^2/NDF:351517.8/22

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10478.229+/-1.755 χ^2/NDF:308618.4/21

Left: 10441.122+/-1.233 χ^2/NDF: 661018.6/44

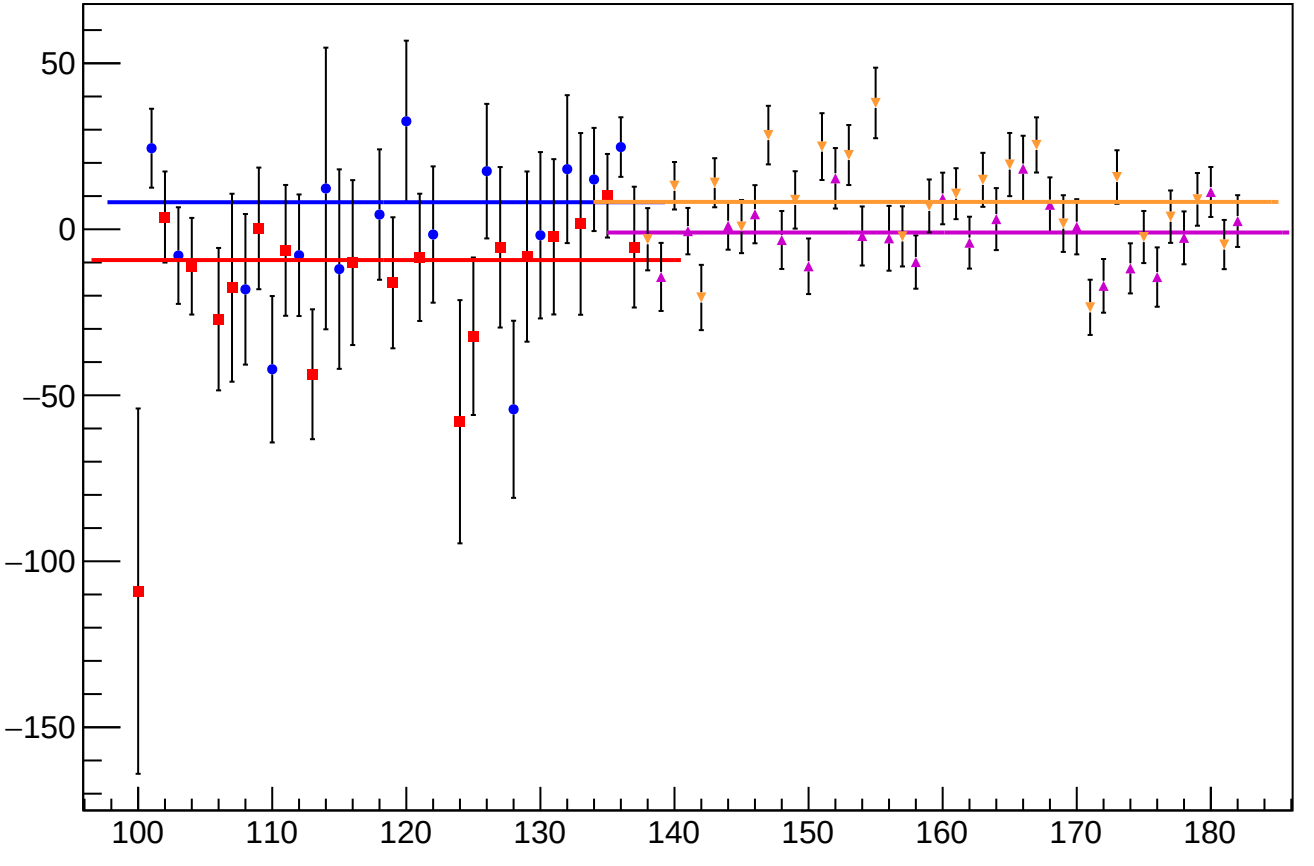
Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 11256.031+/-1.628 χ^2/NDF:2436045.4/37

Out: 11263.204+/-1.617 χ^2/NDF:2801378.2/41

All: 11259.641+/-1.147 χ^2/NDF: 5237433.4/7

diff_bpm4aediffX_mean vs Slug, Sign Corrected



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 8.244+/-1.746 χ^2/NDF:59.2/22

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -0.973+/-1.769 χ^2/NDF:26.2/21

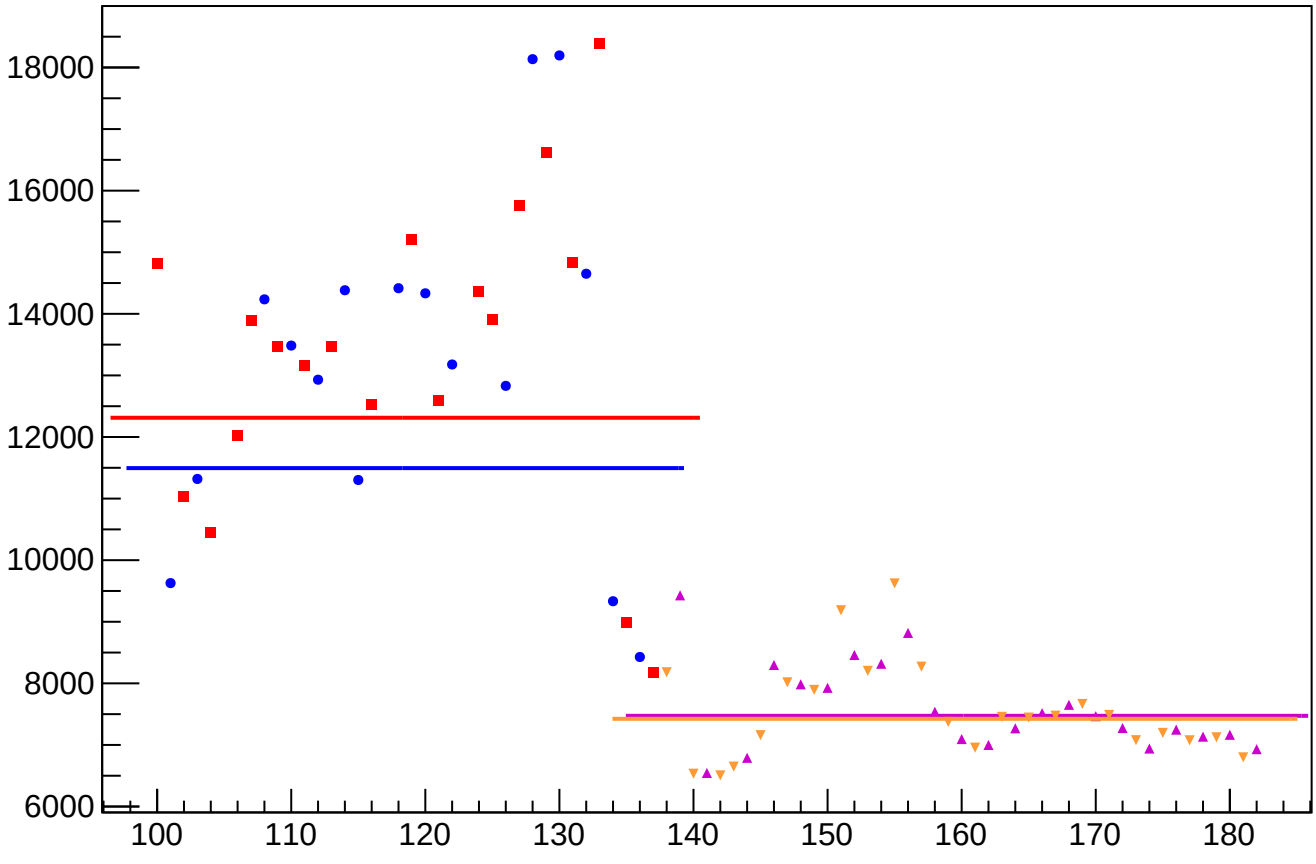
Left: 3.696+/-1.243 χ^2/NDF: 99.1/44

Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 0.285+/-1.643 χ^2/NDF:51.7/37

Out: 6.044+/-1.633 χ^2/NDF:85.7/41

All: 3.182+/-1.158 χ^2/NDF: 143.5/79



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7424.206+/-1.235 χ^2/NDF:315774.1/22

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7472.948+/-1.251 χ^2/NDF:279203.4/21

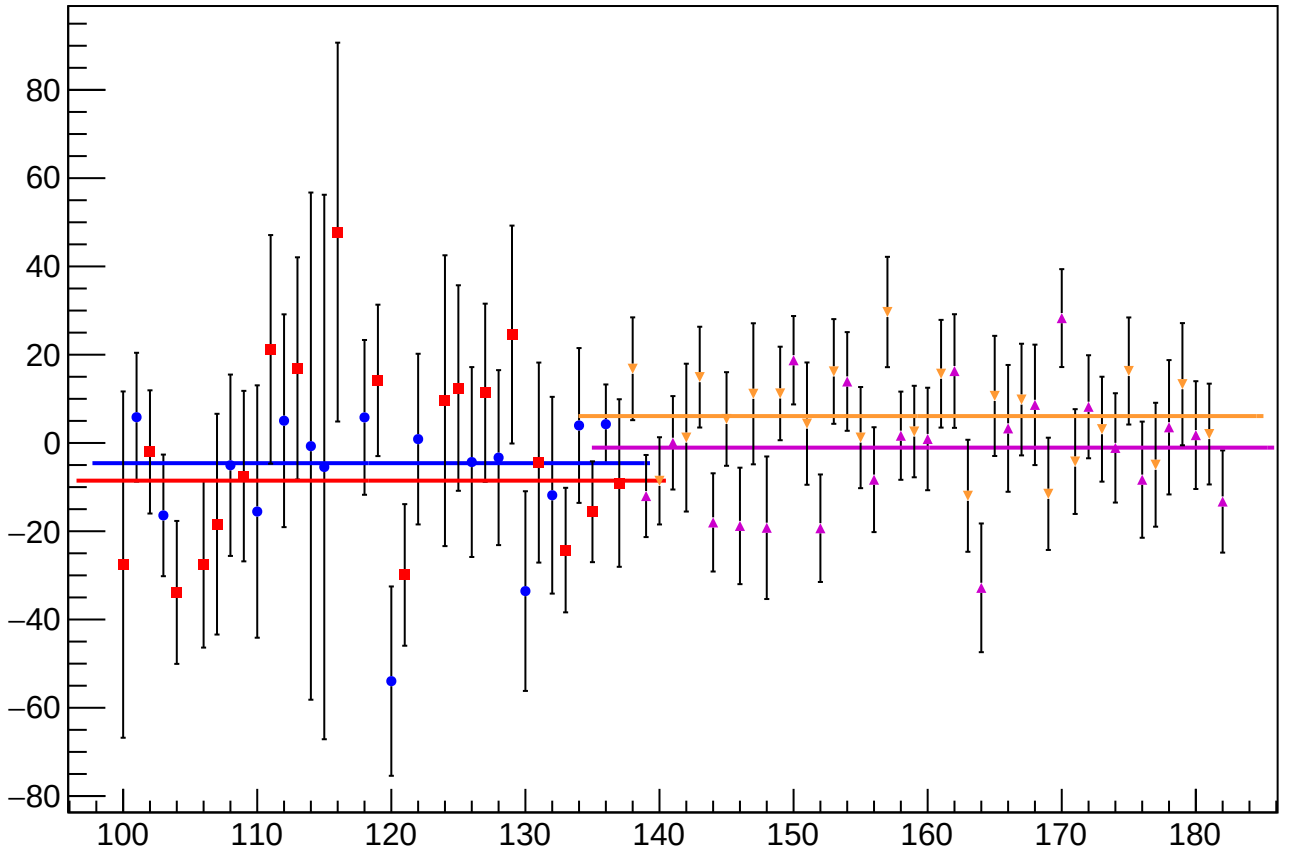
Left: 7448.258+/-0.879 χ^2/NDF: 595746.4/44

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8027.767+/-1.162 χ^2/NDF:2494975.5/37

Out: 8038.265+/-1.155 χ^2/NDF:2883250.7/41

All: 8033.048+/-0.819 χ^2/NDF: 5378267.2/79



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 6.092+/-2.533 χ^2/NDF:16.0/22

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -1.058+/-2.544 χ^2/NDF:31.6/21

Left: 2.532+/-1.795 χ^2/NDF: 51.5/44

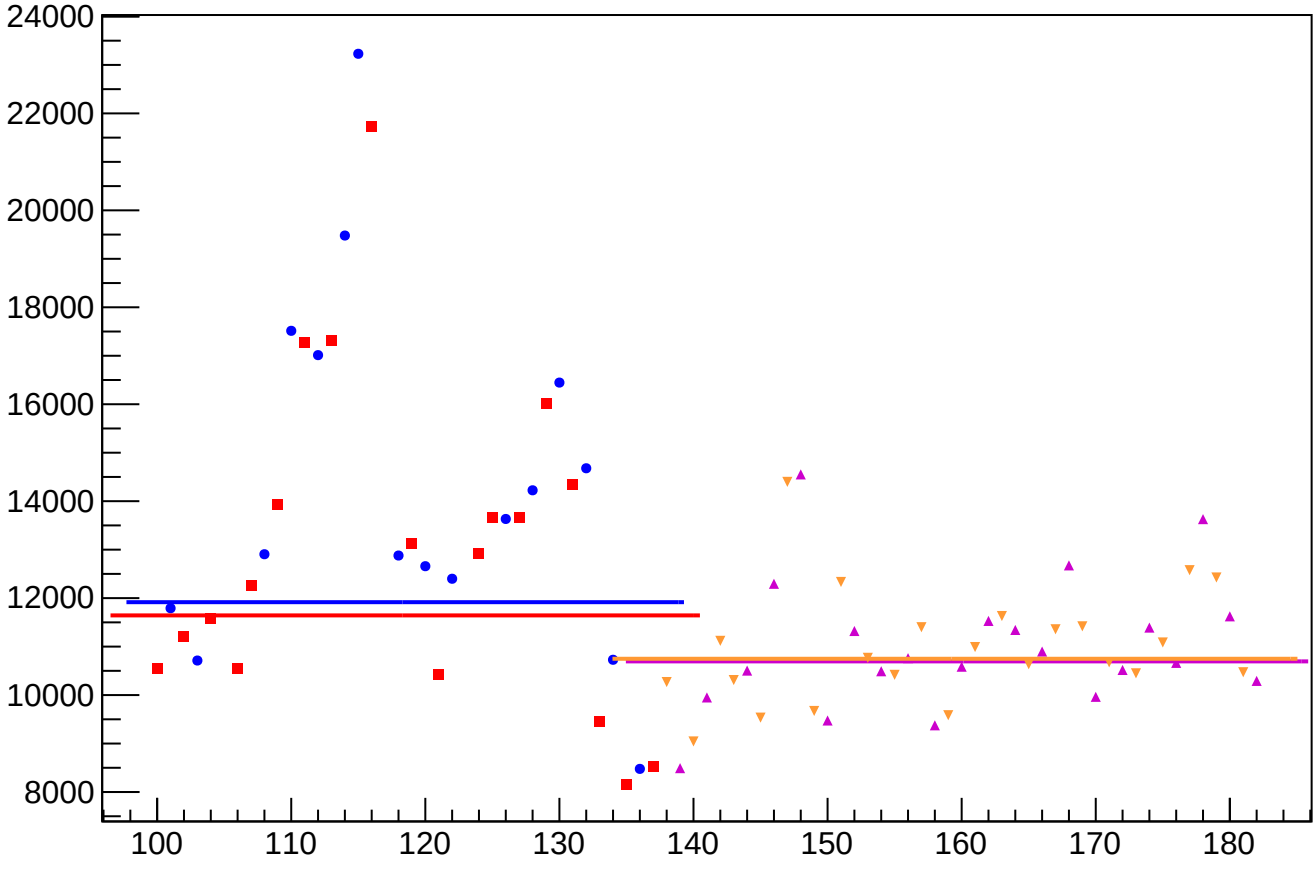
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -1.895+/-2.221 χ^2/NDF:42.3/37

Out: 2.441+/-2.194 χ^2/NDF:41.5/41

All: 0.299+/-1.561 χ^2/NDF: 85.7/79

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10748.913+/-1.791 χ^2/NDF:364680.1/22

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10694.901+/-1.799 χ^2/NDF:495622.5/21

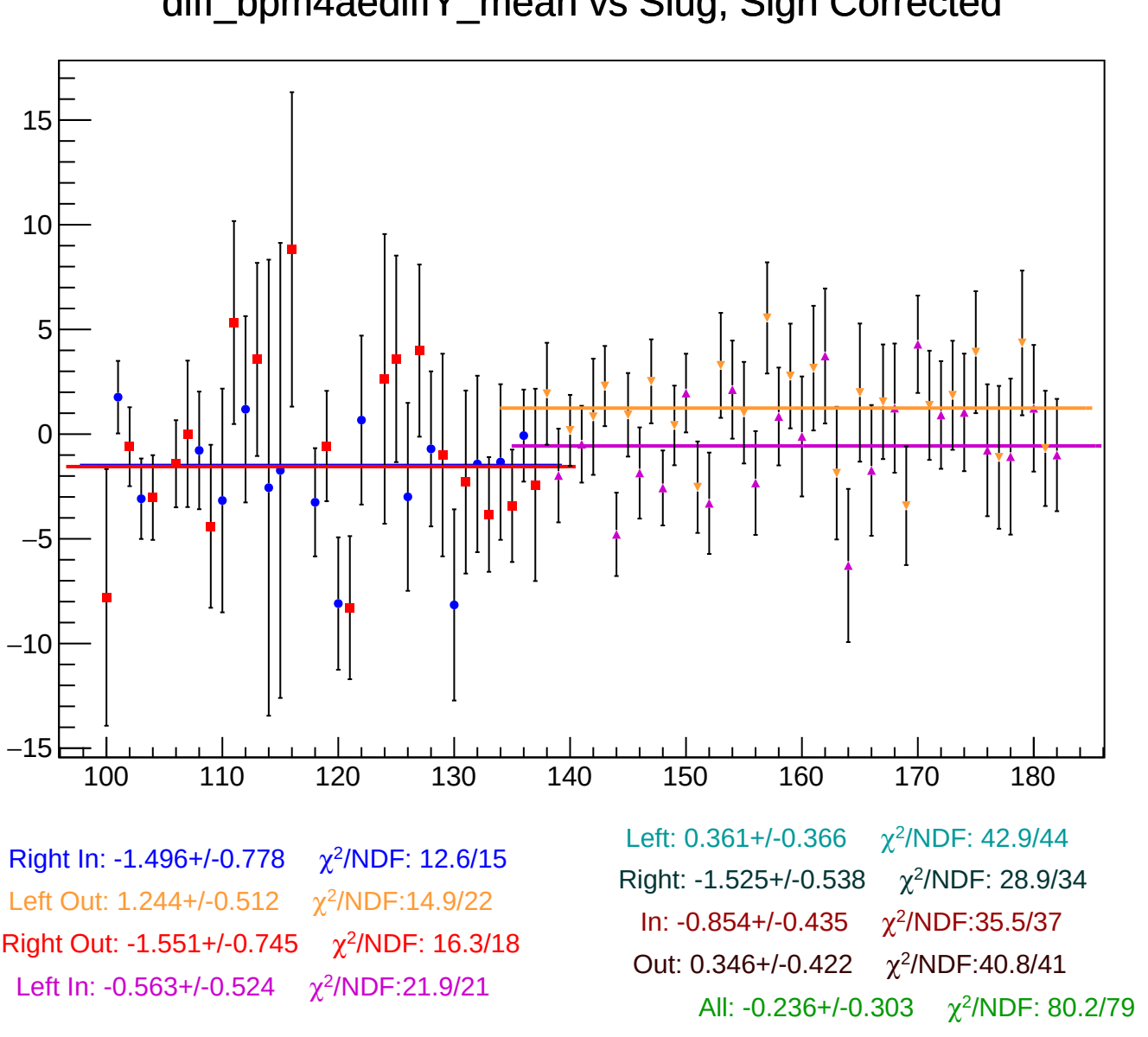
Left: 10722.023+/-1.269 χ^2/NDF: 860755.5/44

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

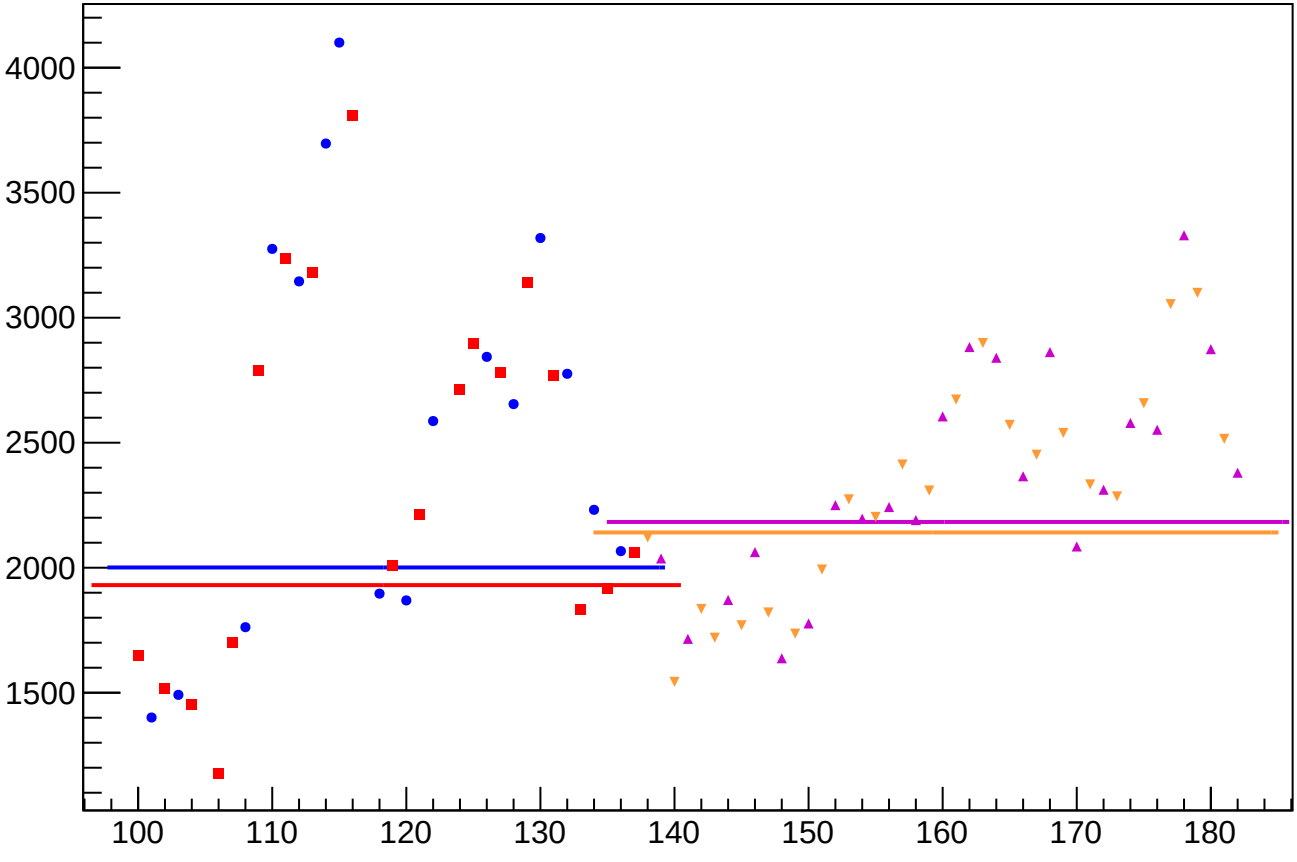
In: 10985.349+/-1.570 χ^2/NDF:1355061.5/37

Out: 10972.172+/-1.551 χ^2/NDF:1217319.0/41

All: 10978.681+/-1.104 χ^2/NDF: 2572416.1/7


diff_bpm4aediffY_mean vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
180
Right In: -1.496+/-0.778 χ²/NDF: 12.6/15
Left Out: 1.244+/-0.512 χ²/NDF:14.9/22
Right Out: -1.551+/-0.745 χ²/NDF: 16.3/18
Left In: -0.563+/-0.524 χ²/NDF:21.9/21
Left: 0.361+/-0.366 χ²/NDF: 42.9/44
Right: -1.525+/-0.538 χ²/NDF: 28.9/34
In: -0.854+/-0.435 χ²/NDF:35.5/37
Out: 0.346+/-0.422 χ²/NDF:40.8/41
All: -0.236+/-0.303 χ²/NDF: 80.2/79

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2141.084+/-0.362 χ^2/NDF:1318369.4/22

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 2183.023+/-0.371 χ^2/NDF:1162173.0/21

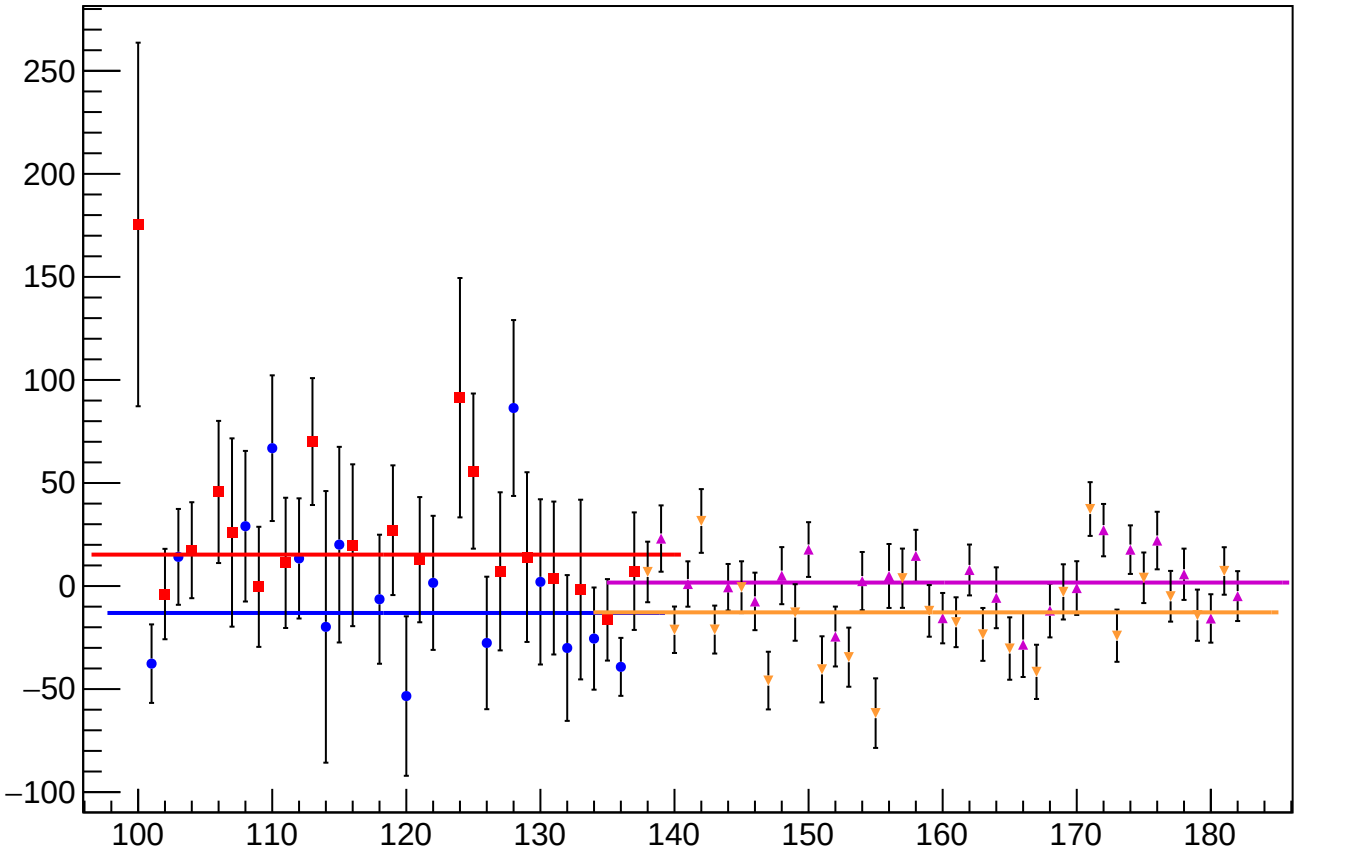
Left: 2161.564+/-0.259 χ^2/NDF: 2487093.2/44

Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

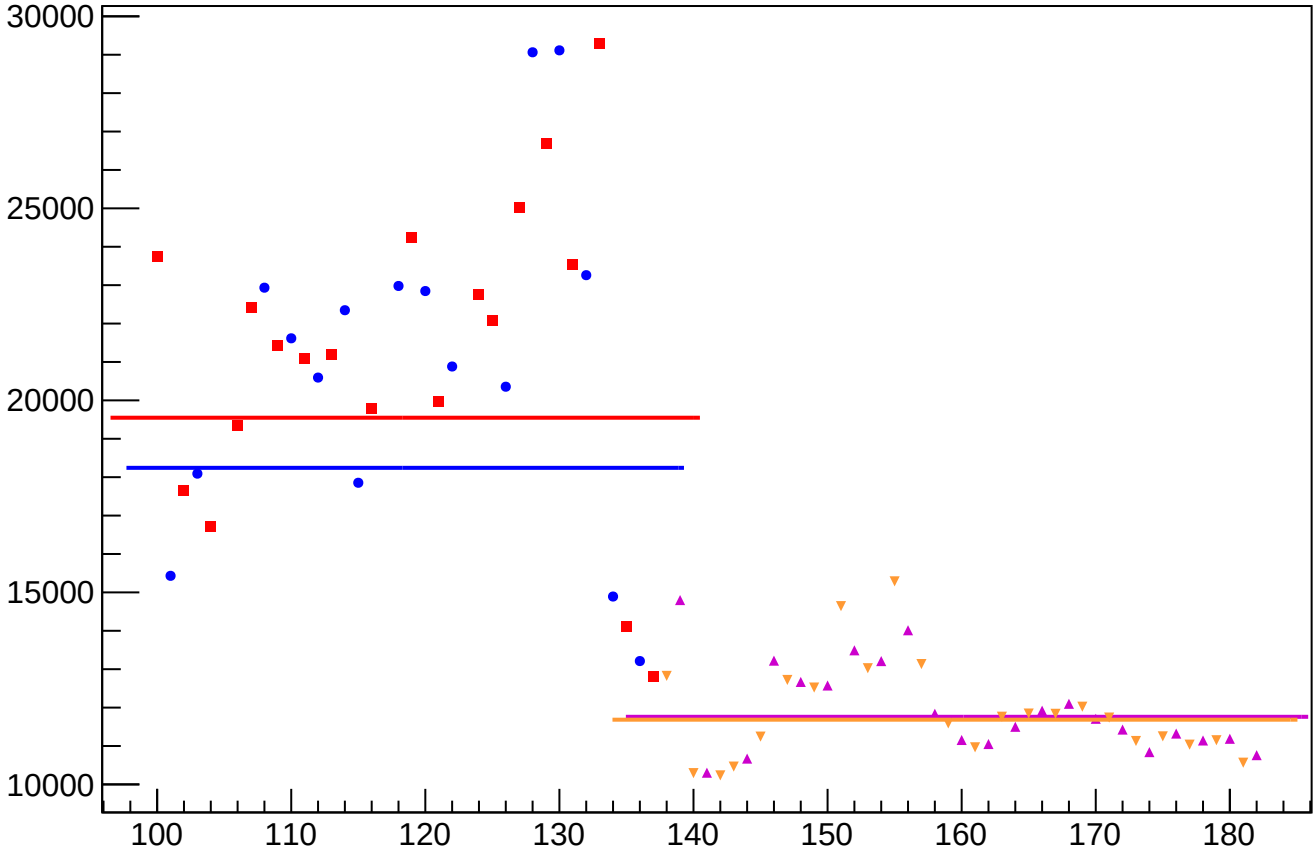
In: 2126.217+/-0.307 χ^2/NDF:2427221.0/37

Out: 2073.434+/-0.298 χ^2/NDF:2830607.7/41

All: 2099.035+/-0.214 χ^2/NDF: 5273010.2/79


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: -13.066+/-7.026 χ²/NDF: 21.9/15
Left Out: -12.771+/-2.750 χ²/NDF:61.1/22
Right Out: 15.253+/-7.321 χ²/NDF: 14.3/18
Left In: 1.685+/-2.785 χ²/NDF:26.0/21
Left: -5.637+/-1.957 χ²/NDF: 100.7/44
Right: 0.513+/-5.069 χ²/NDF: 44.0/34
In: -0.319+/-2.589 χ²/NDF:51.6/37
Out: -9.307+/-2.574 χ²/NDF:88.3/41
All: -4.839+/-1.826 χ²/NDF: 145.9/79

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11685.268+/-1.944 χ^2/NDF:343301.6/22

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 11760.518+/-1.970 χ^2/NDF:307195.3/21

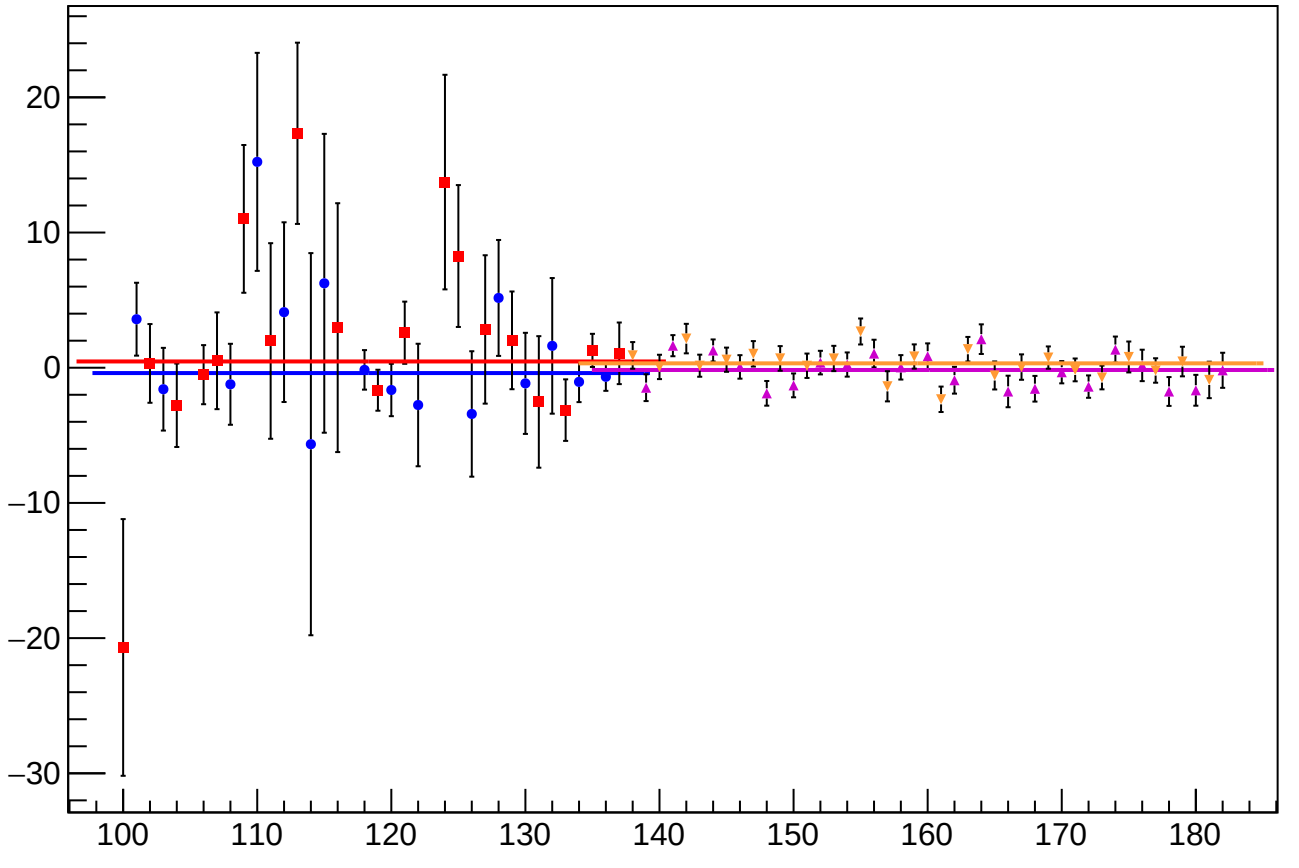
Left: 11722.406+/-1.384 χ^2/NDF: 651236.1/44

Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 12640.956+/-1.831 χ^2/NDF:2598331.7/37

Out: 12657.394+/-1.820 χ^2/NDF:2987146.6/41

All: 12649.224+/-1.291 χ^2/NDF: 5585518.8/7



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.324+/-0.197 χ^2/NDF:26.5/22

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: -0.167+/-0.202 χ^2/NDF:36.3/21

Left: 0.084+/-0.141 χ^2/NDF: 65.8/44

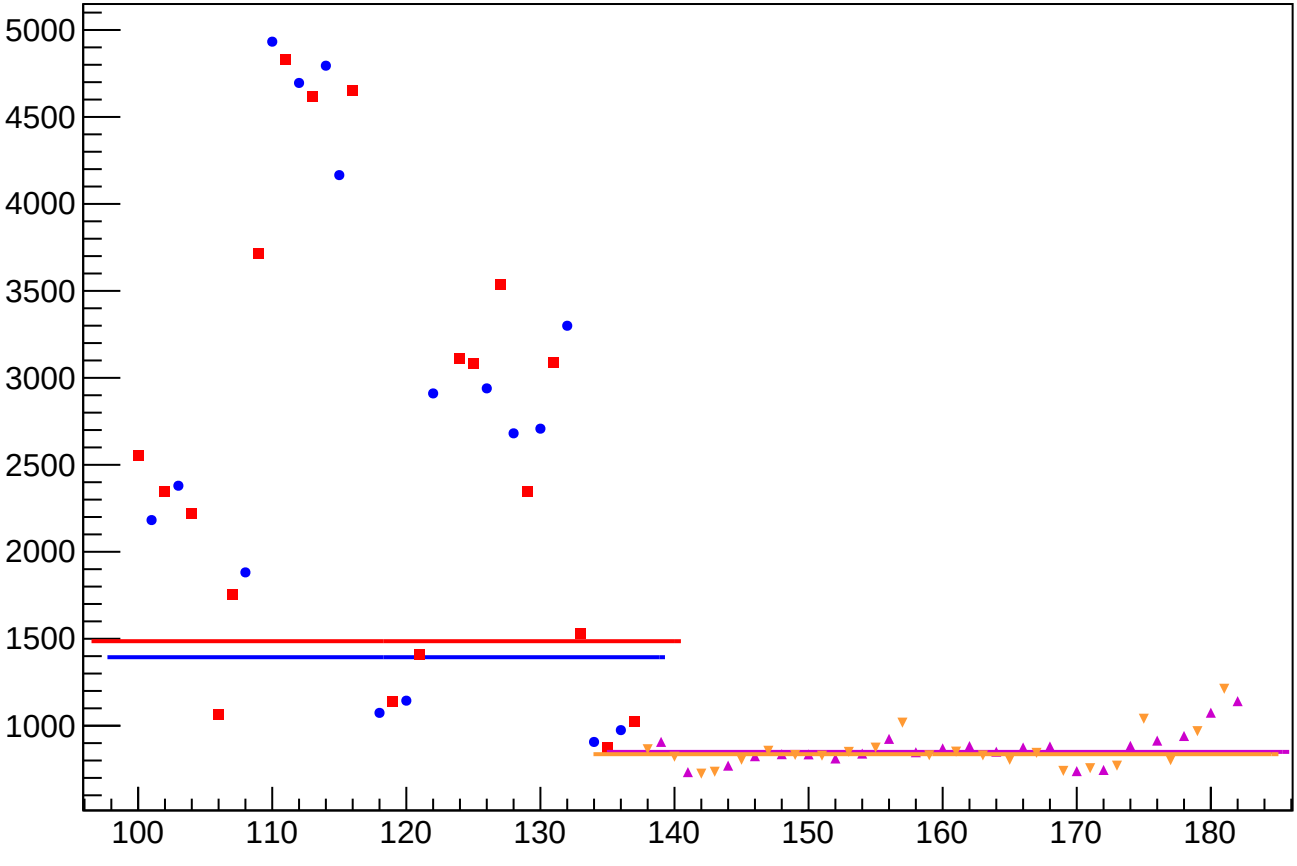
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.190+/-0.191 χ^2/NDF:46.9/37

Out: 0.336+/-0.189 χ^2/NDF:54.6/41

All: 0.077+/-0.134 χ^2/NDF: 105.3/79

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 836.415+/-0.140 χ^2/NDF:424381.4/22

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 849.554+/-0.143 χ^2/NDF:363837.3/21

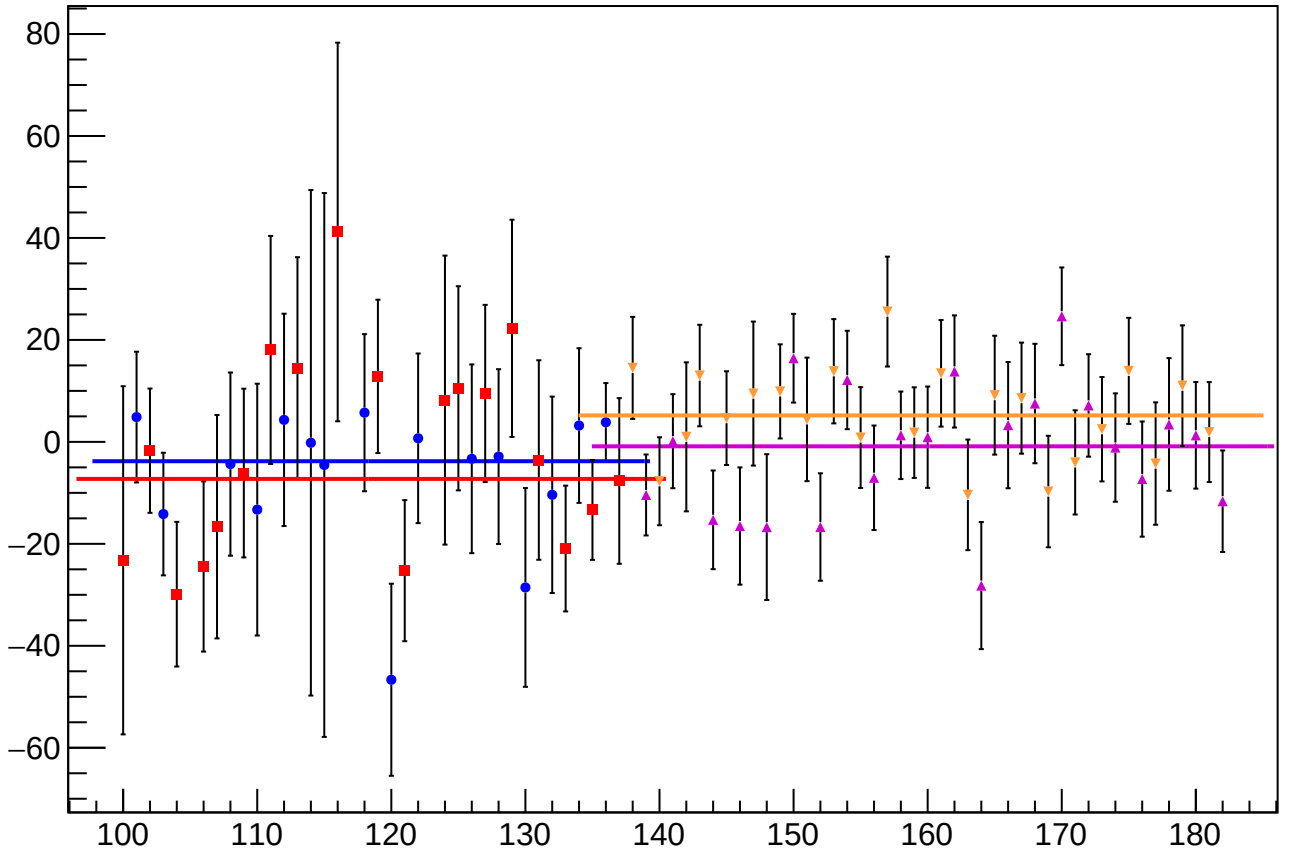
Left: 842.834+/-0.100 χ^2/NDF: 792546.1/44

Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 904.950+/-0.135 χ^2/NDF:5222915.1/37

Out: 893.859+/-0.133 χ^2/NDF:5737641.5/41

All: 899.319+/-0.095 χ^2/NDF: 10963964.4/79



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.189+/-2.186 χ^2/NDF:16.1/22

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -0.873+/-2.192 χ^2/NDF:31.8/21

Left: 2.167+/-1.548 χ^2/NDF: 51.8/44

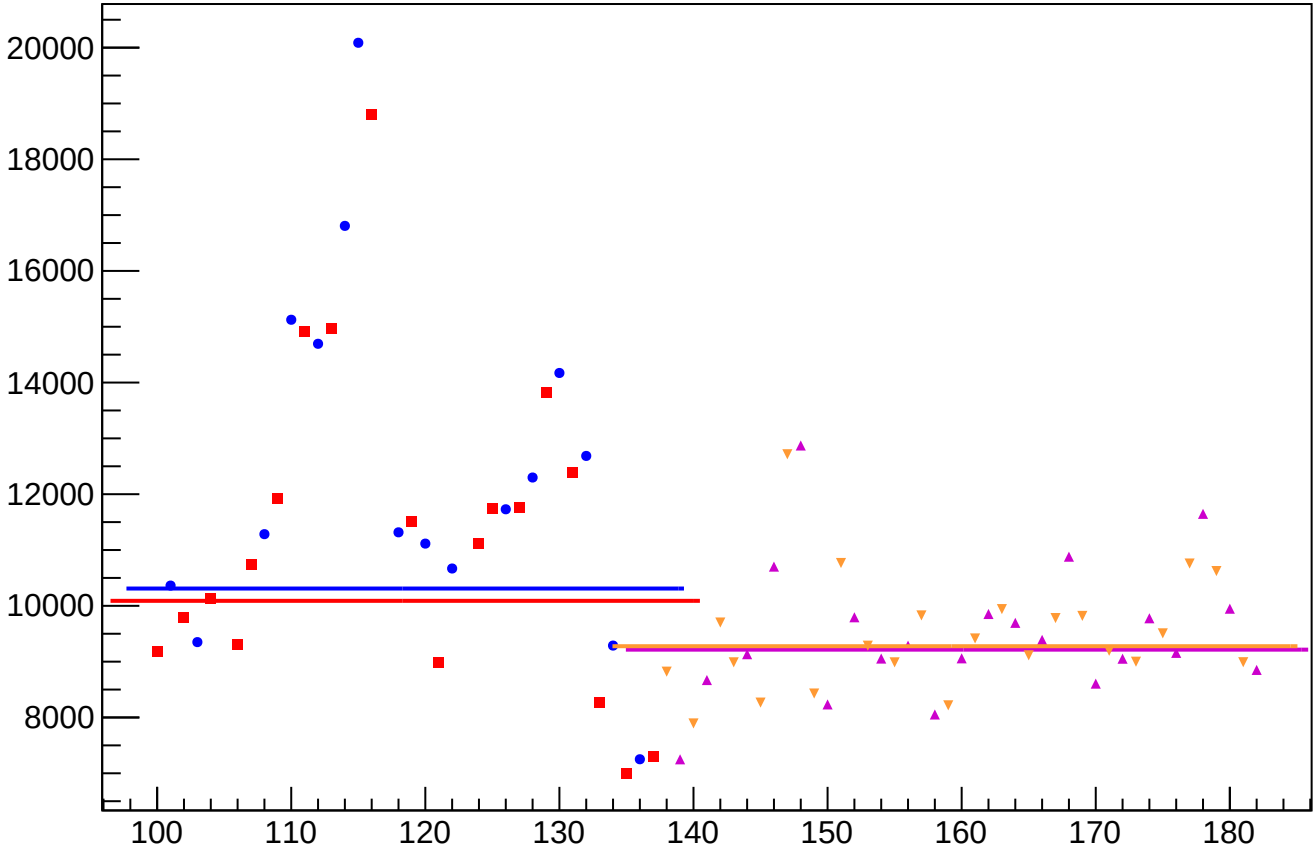
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -1.563+/-1.916 χ^2/NDF:42.3/37

Out: 2.101+/-1.896 χ^2/NDF:41.4/41

All: 0.289+/-1.348 χ^2/NDF: 85.6/79

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9276.611+/-1.546 χ^2/NDF:362327.7/22

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9215.055+/-1.550 χ^2/NDF:510416.8/21

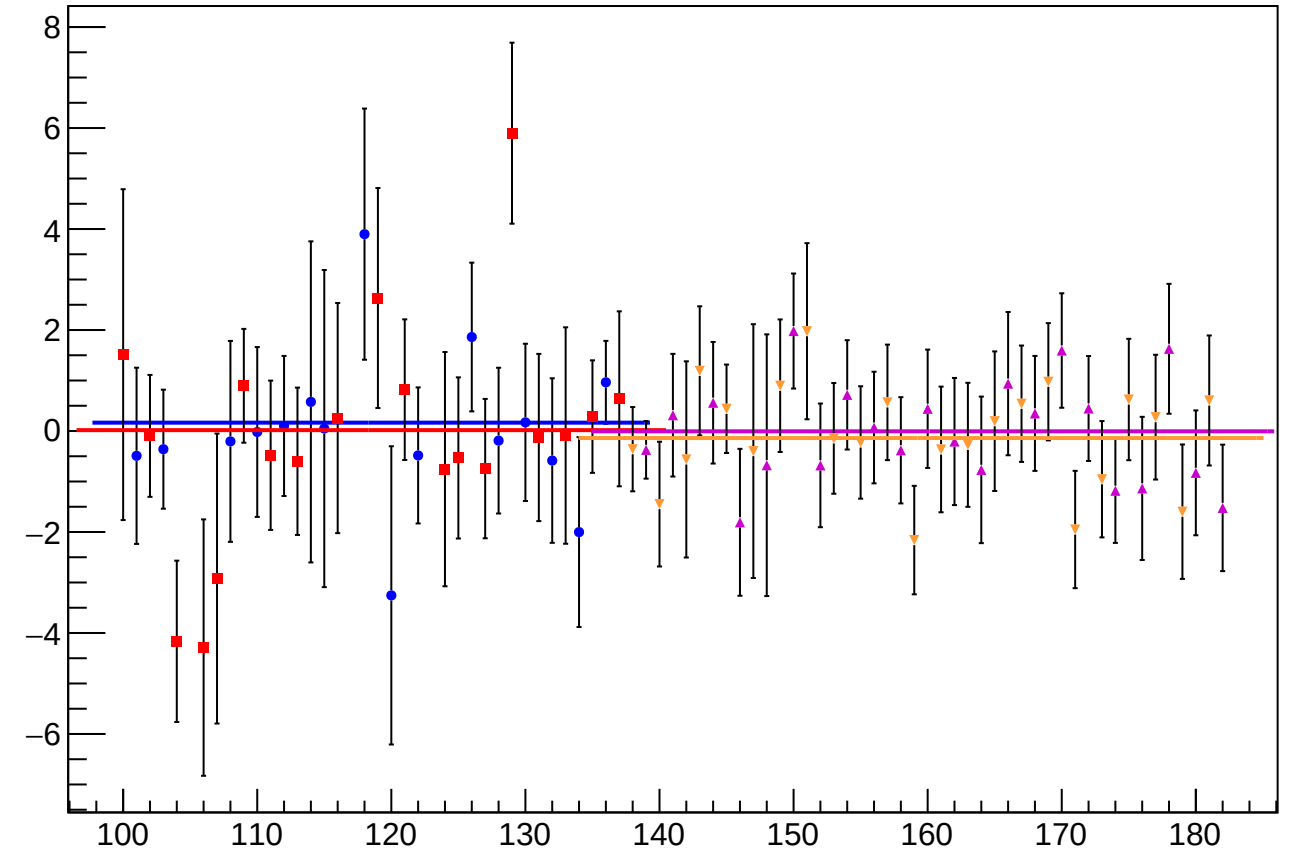
Left: 9245.924+/-1.095 χ^2/NDF: 873535.3/44

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9473.597+/-1.355 χ^2/NDF:1398732.2/37

Out: 9478.178+/-1.340 χ^2/NDF:1223709.2/41

All: 9475.912+/-0.953 χ^2/NDF: 2622447.2/79



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.139+/-0.250 χ^2/NDF:15.1/22

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: -0.006+/-0.241 χ^2/NDF:14.9/21

Left: -0.070+/-0.174 χ^2/NDF: 30.1/44

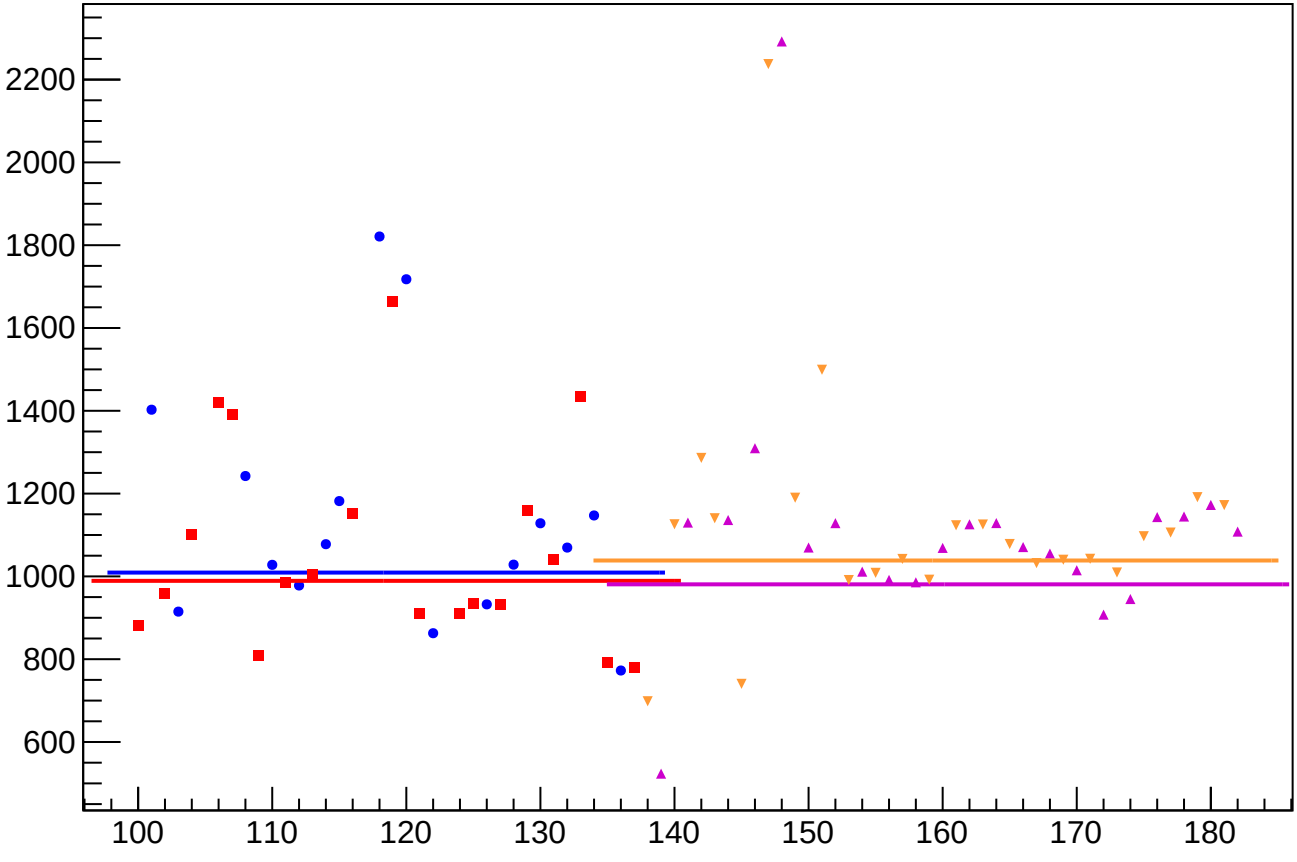
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.042+/-0.204 χ^2/NDF:23.1/37

Out: -0.091+/-0.208 χ^2/NDF:40.4/41

All: -0.023+/-0.146 χ^2/NDF: 63.8/79

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1038.393+/-0.177 χ^2/NDF:1330860.9/22

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 980.809+/-0.170 χ^2/NDF:2223447.2/21

Left: 1008.500+/-0.123 χ^2/NDF: 3609213.7/44

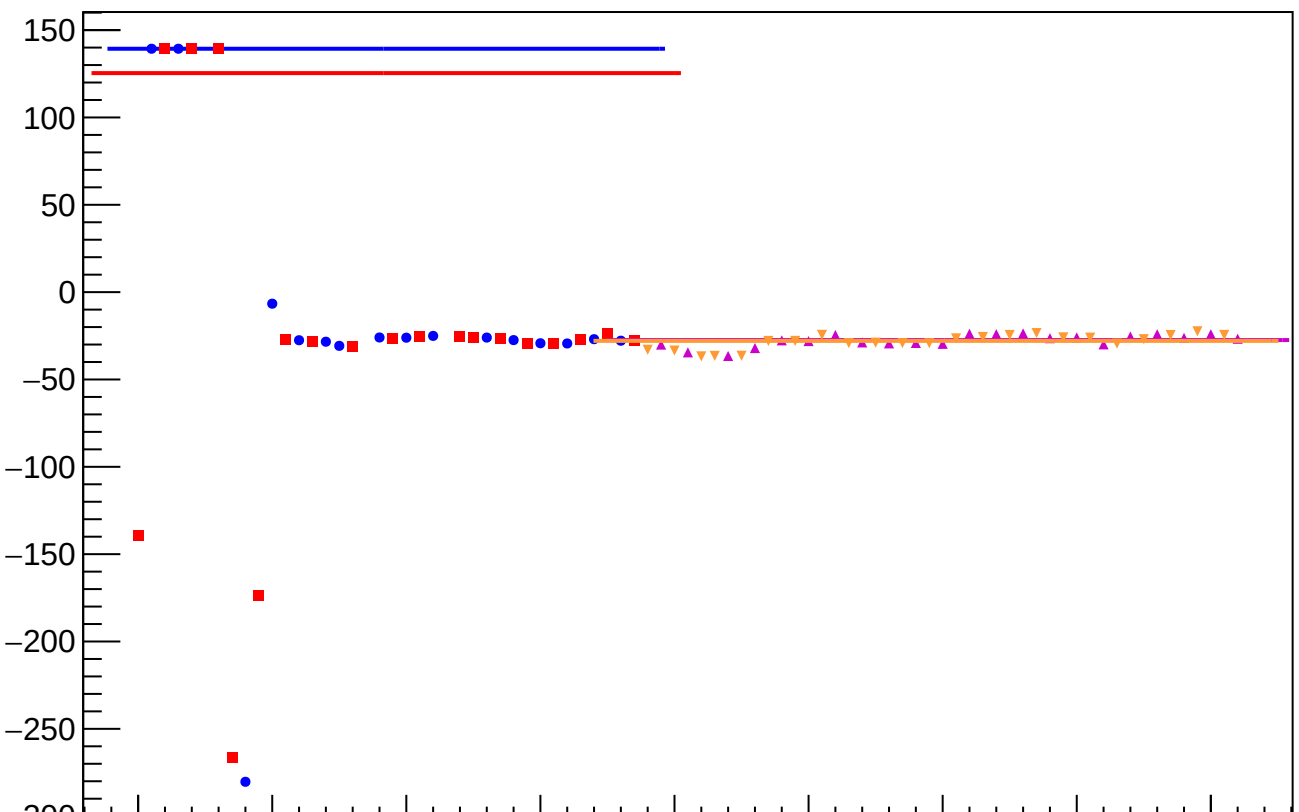
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 988.769+/-0.145 χ^2/NDF:2930539.0/37

Out: 1023.081+/-0.147 χ^2/NDF:1930624.2/41

All: 1005.651+/-0.103 χ^2/NDF: 4888871.5/79

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -27.893+/-0.000 χ^2/NDF:181250820.0/22

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -27.436+/-0.000 χ^2/NDF:123123465.6/21

Left: -27.670+/-0.000 χ^2/NDF: 305341268.6/44

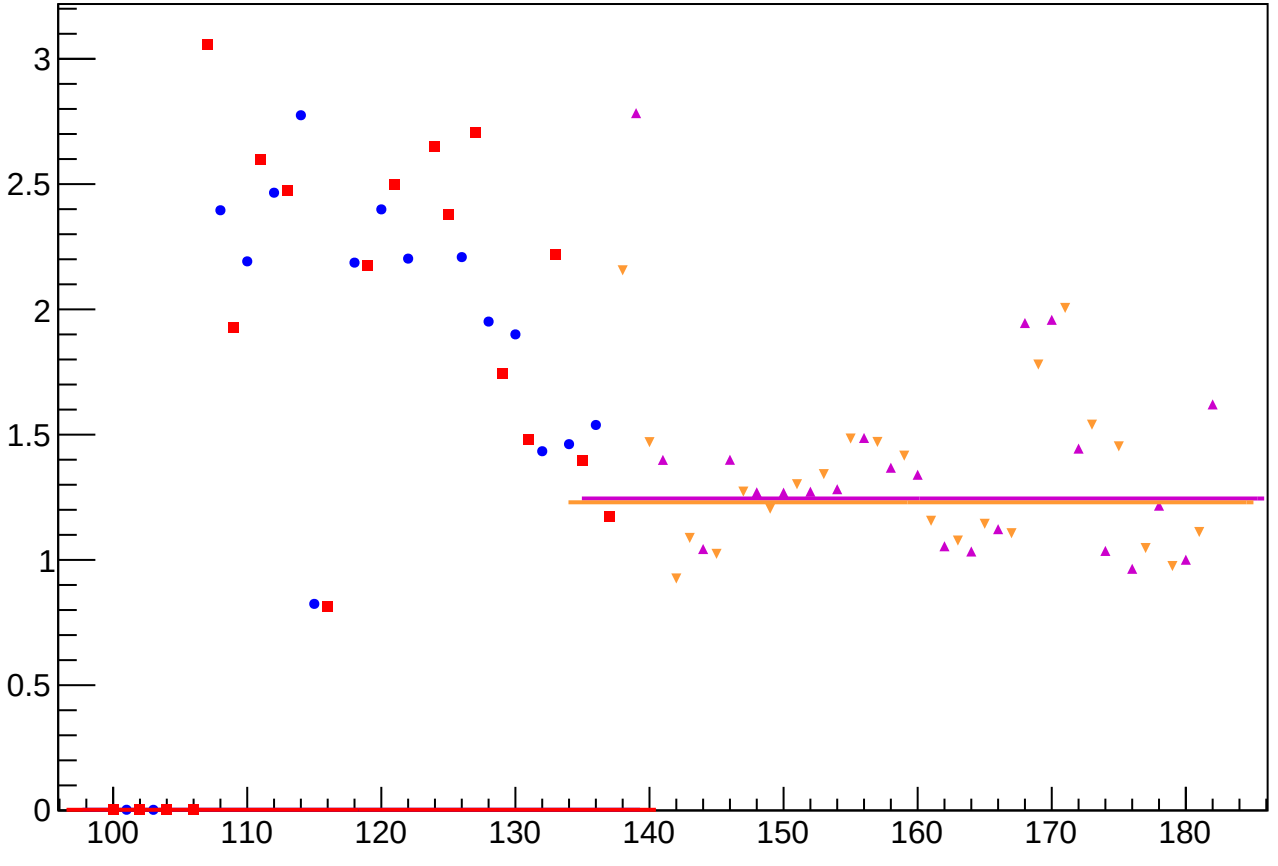
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.328+/-0.000 χ^2/NDF:298581858745.1/37

Out: 125.385+/-0.000 χ^2/NDF:774396001396061.

All: 131.811+/-0.000 χ^2/NDF: 79347628562

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.230+/-0.000 χ^2/NDF:1143029.2/22

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.245+/-0.000 χ^2/NDF:1429006.0/21

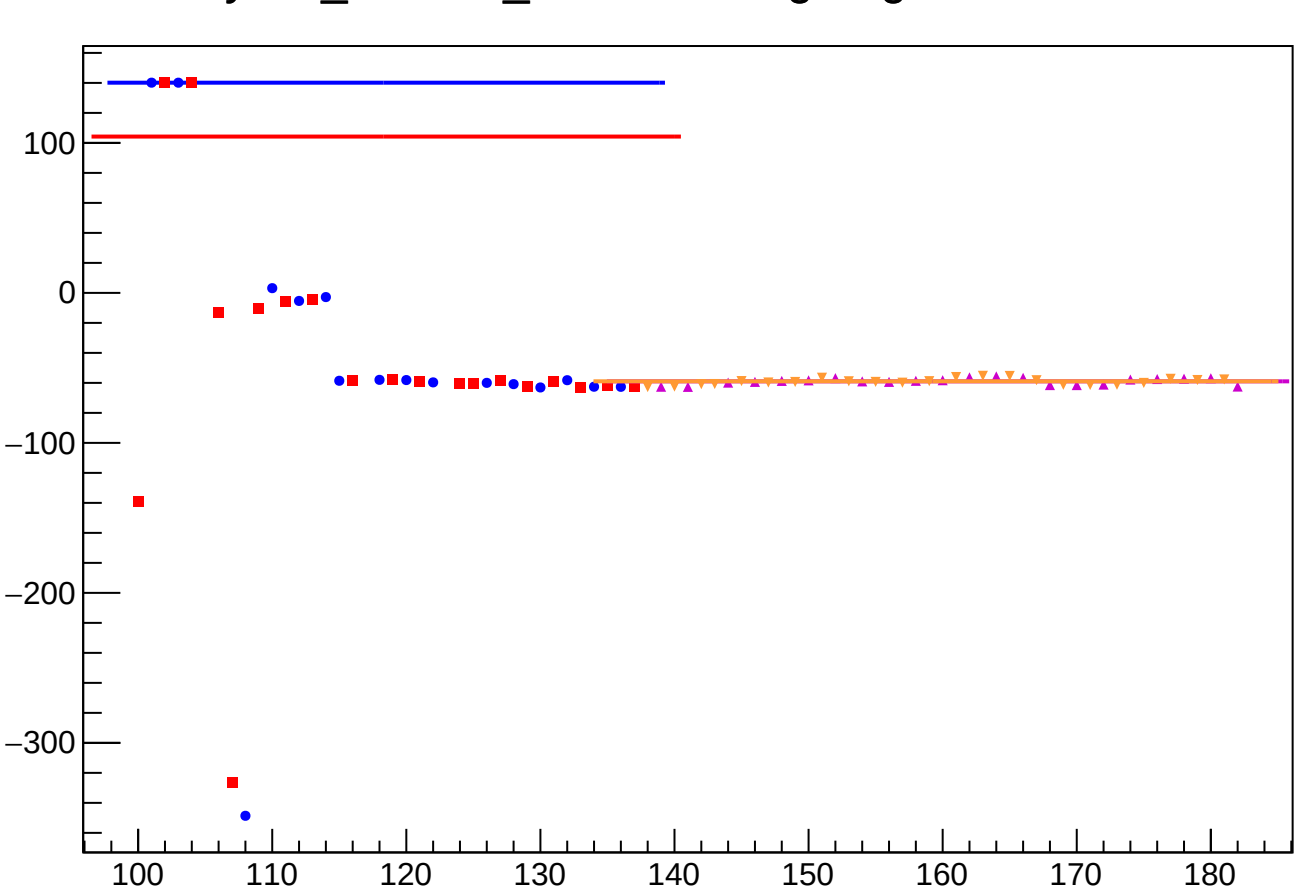
Left: 1.237+/-0.000 χ^2/NDF: 2574172.1/44

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:38899648.6/37

Out: 0.003+/-0.000 χ^2/NDF:39431140.2/41

All: 0.003+/-0.000 χ^2/NDF: 78331067.8/79



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -58.944+/-0.000 χ^2/NDF:164132496.1/22

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -58.972+/-0.000 χ^2/NDF:172815338.7/21

Left: -58.958+/-0.000 χ^2/NDF: 336960286.7/44

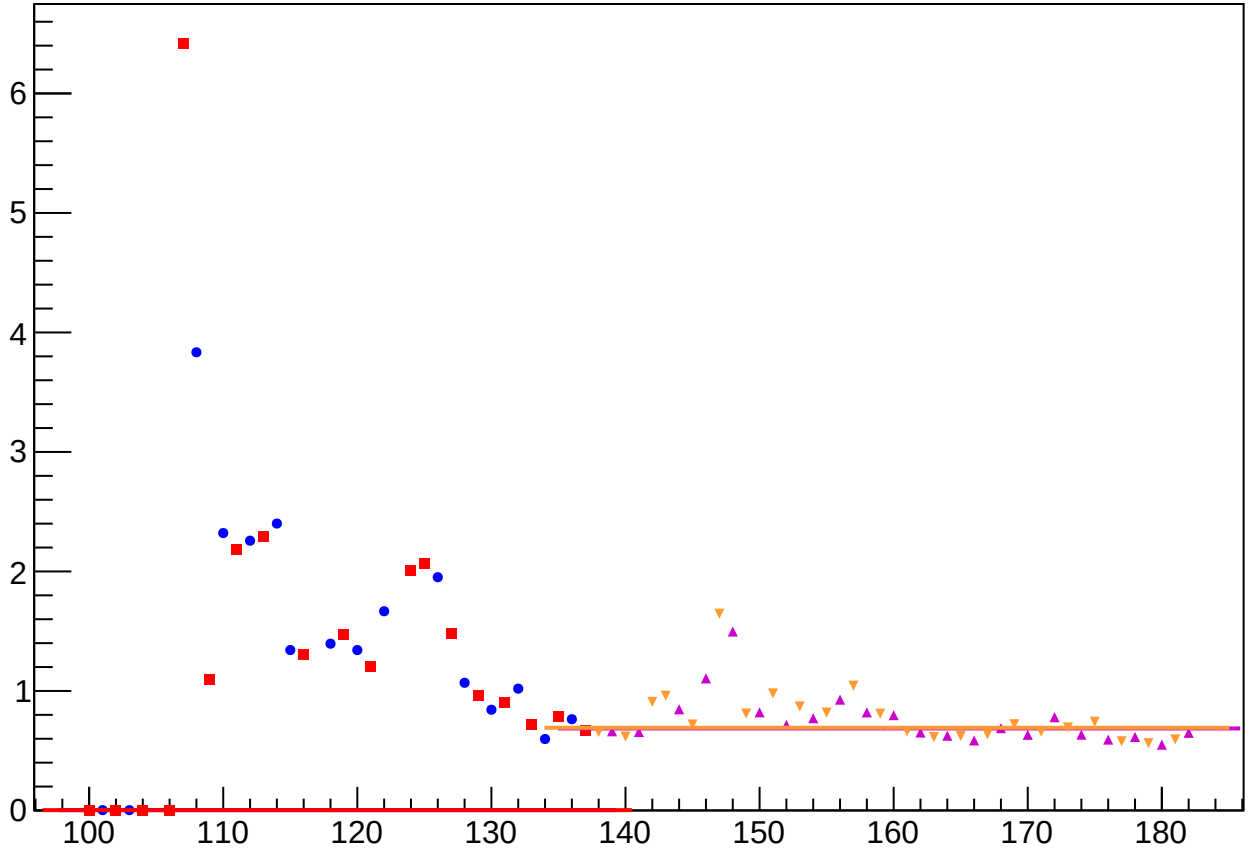
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.108+/-0.000 χ^2/NDF:1447562979360.5/37

Out: 104.199+/-0.000 χ^2/NDF:1258241405033873

All: 120.802+/-0.000 χ^2/NDF: 13829423409

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.692+/-0.000 χ^2/NDF:1269891.5/22

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.686+/-0.000 χ^2/NDF:1090965.3/21

Left: 0.689+/-0.000 χ^2/NDF: 2361938.9/44

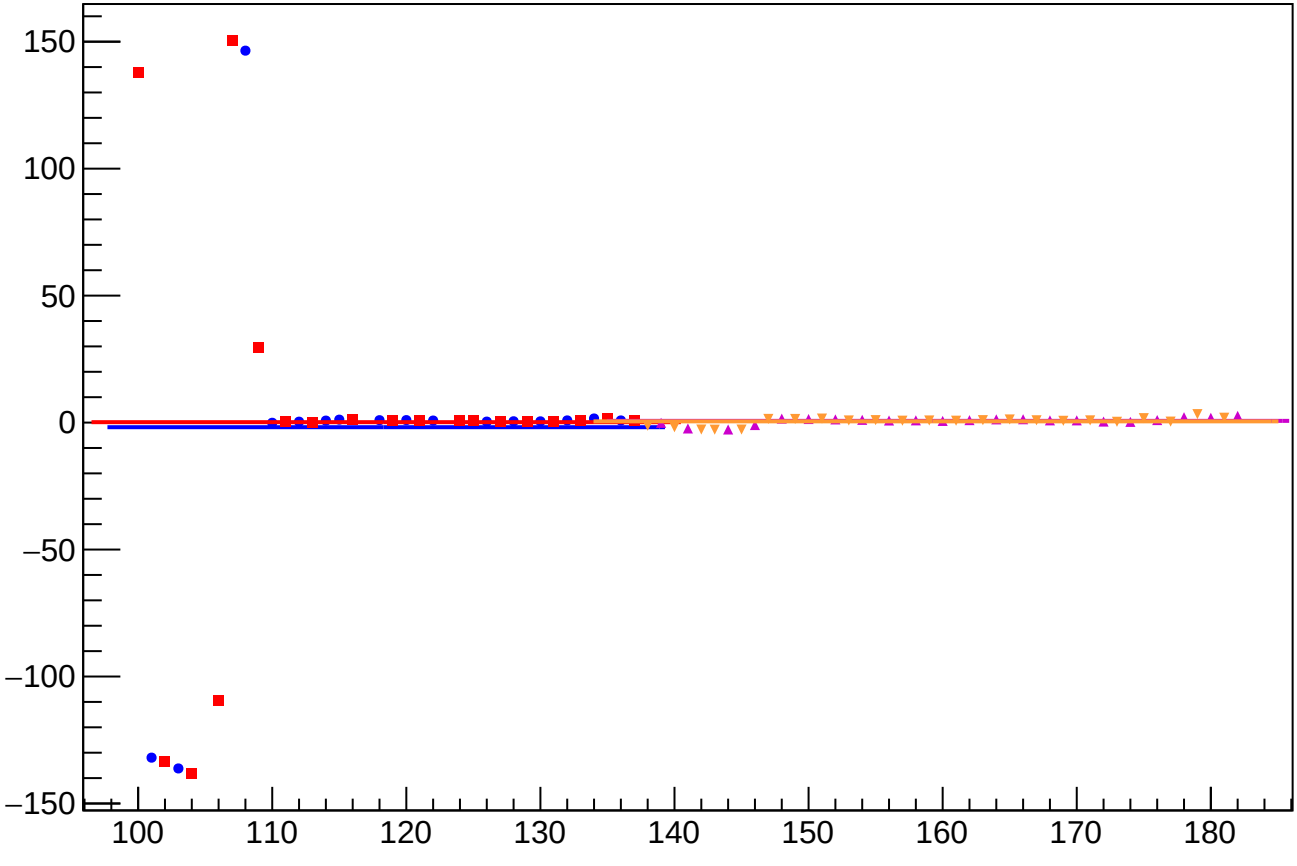
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:41363645.8/37

Out: 0.003+/-0.000 χ^2/NDF:41503992.5/41

All: 0.003+/-0.000 χ^2/NDF: 82868115.0/79

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.488+/-0.000 χ^2/NDF:145034654.3/22

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: 0.677+/-0.000 χ^2/NDF:96468277.7/21

Left: 0.580+/-0.000 χ^2/NDF: 242506047.1/44

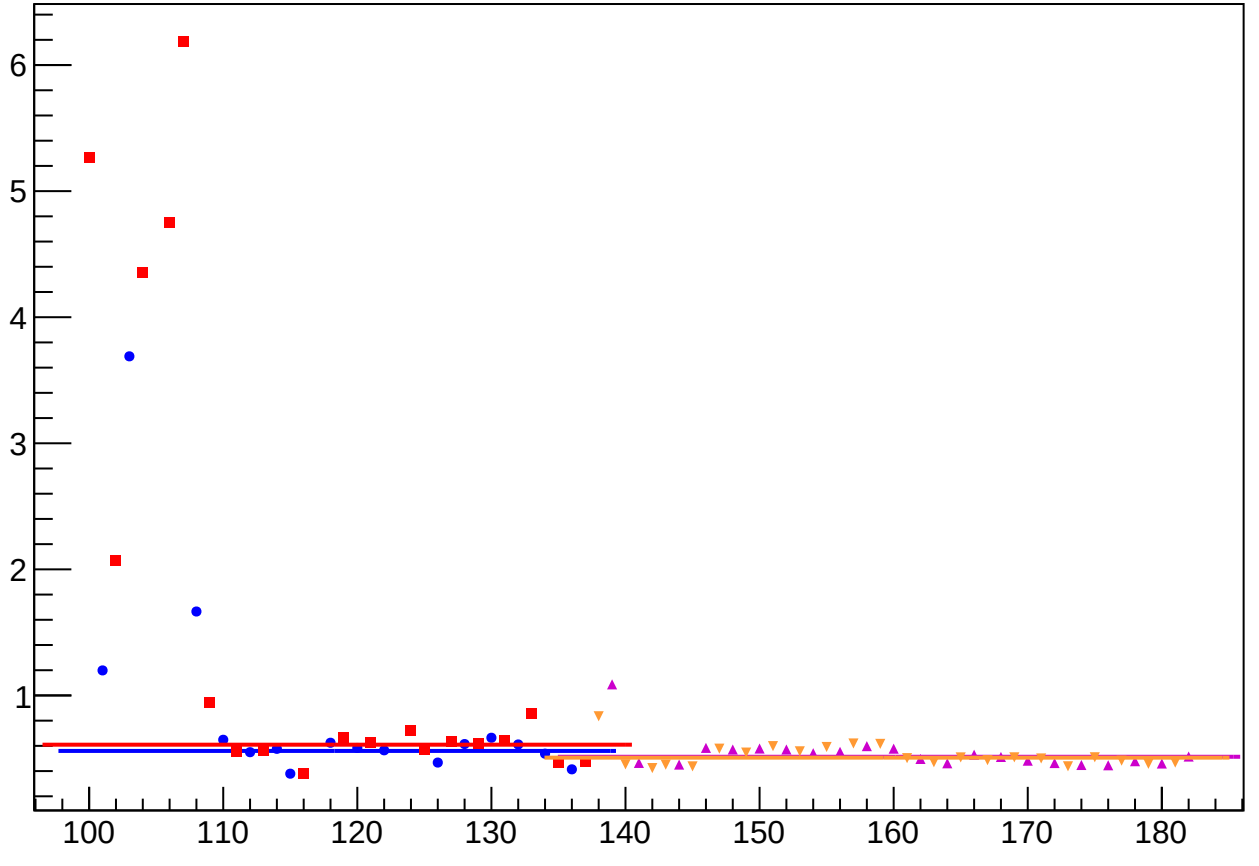
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: 0.111+/-0.000 χ^2/NDF:10061264292.5/37

Out: 0.427+/-0.000 χ^2/NDF:3757414079.6/41

All: 0.268+/-0.000 χ^2/NDF: 13822221002.7/7

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.507+/-0.000 χ^2/NDF:553969.9/22

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.514+/-0.000 χ^2/NDF:750607.2/21

Left: 0.510+/-0.000 χ^2/NDF: 1307260.9/44

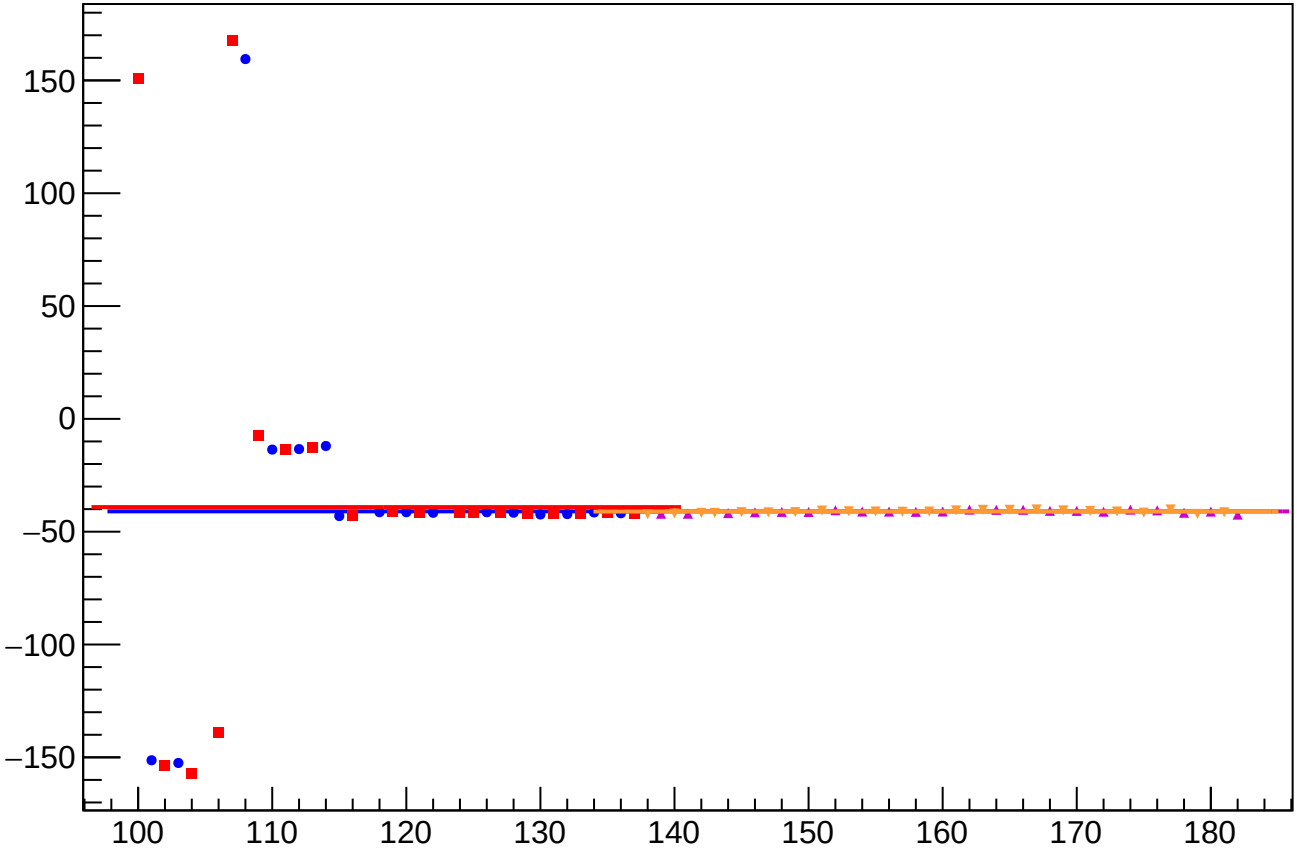
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.524+/-0.000 χ^2/NDF:2402531.1/37

Out: 0.526+/-0.000 χ^2/NDF:3259116.0/41

All: 0.525+/-0.000 χ^2/NDF: 5661931.8/79

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.062+/-0.000 χ^2/NDF:54975244.3/22

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.008+/-0.000 χ^2/NDF:44433984.3/21

Left: -41.036+/-0.000 χ^2/NDF: 99625621.0/44

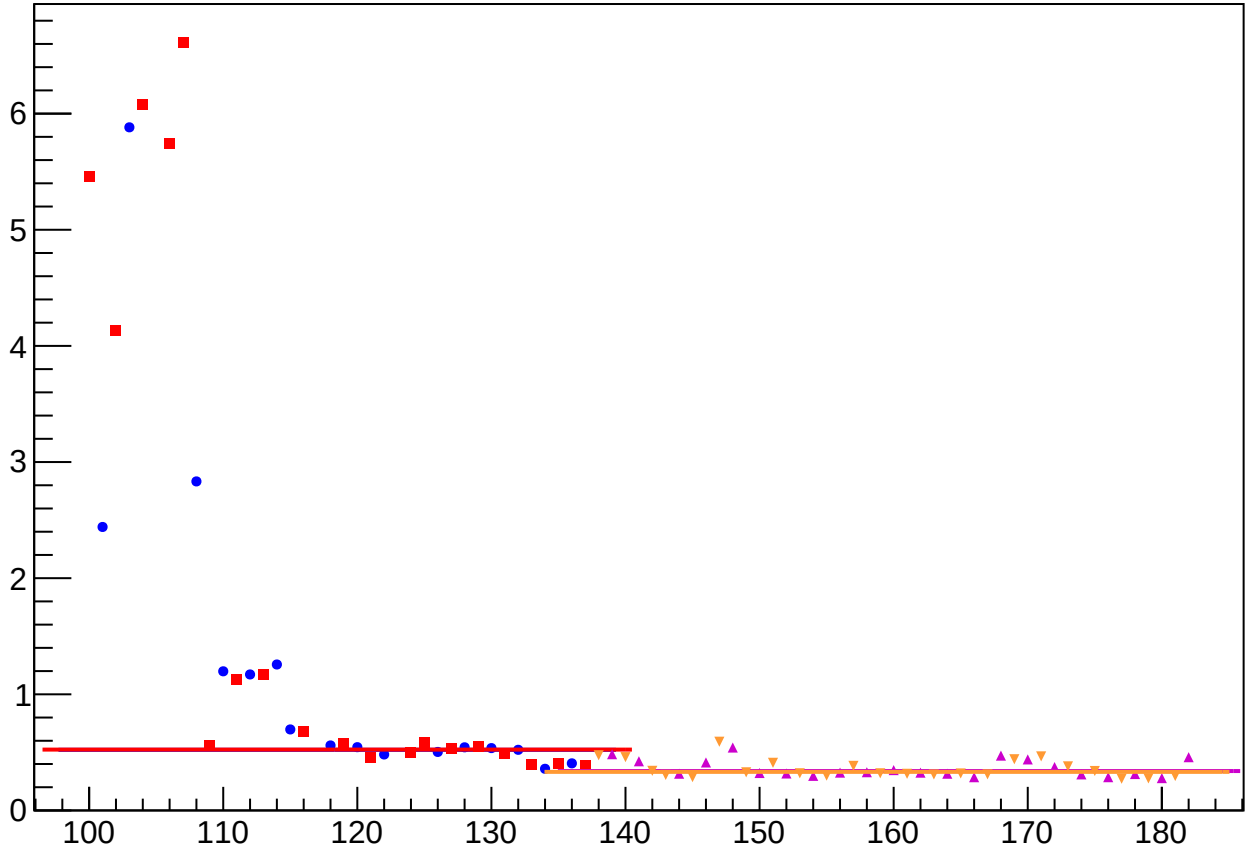
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.006+/-0.000 χ^2/NDF:3494063228.1/37

Out: -40.856+/-0.000 χ^2/NDF:2596742649.5/41

All: -40.929+/-0.000 χ^2/NDF: 6092660395.7/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.332+/-0.000 χ^2/NDF:1125856.4/22

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.339+/-0.000 χ^2/NDF:1040798.5/21

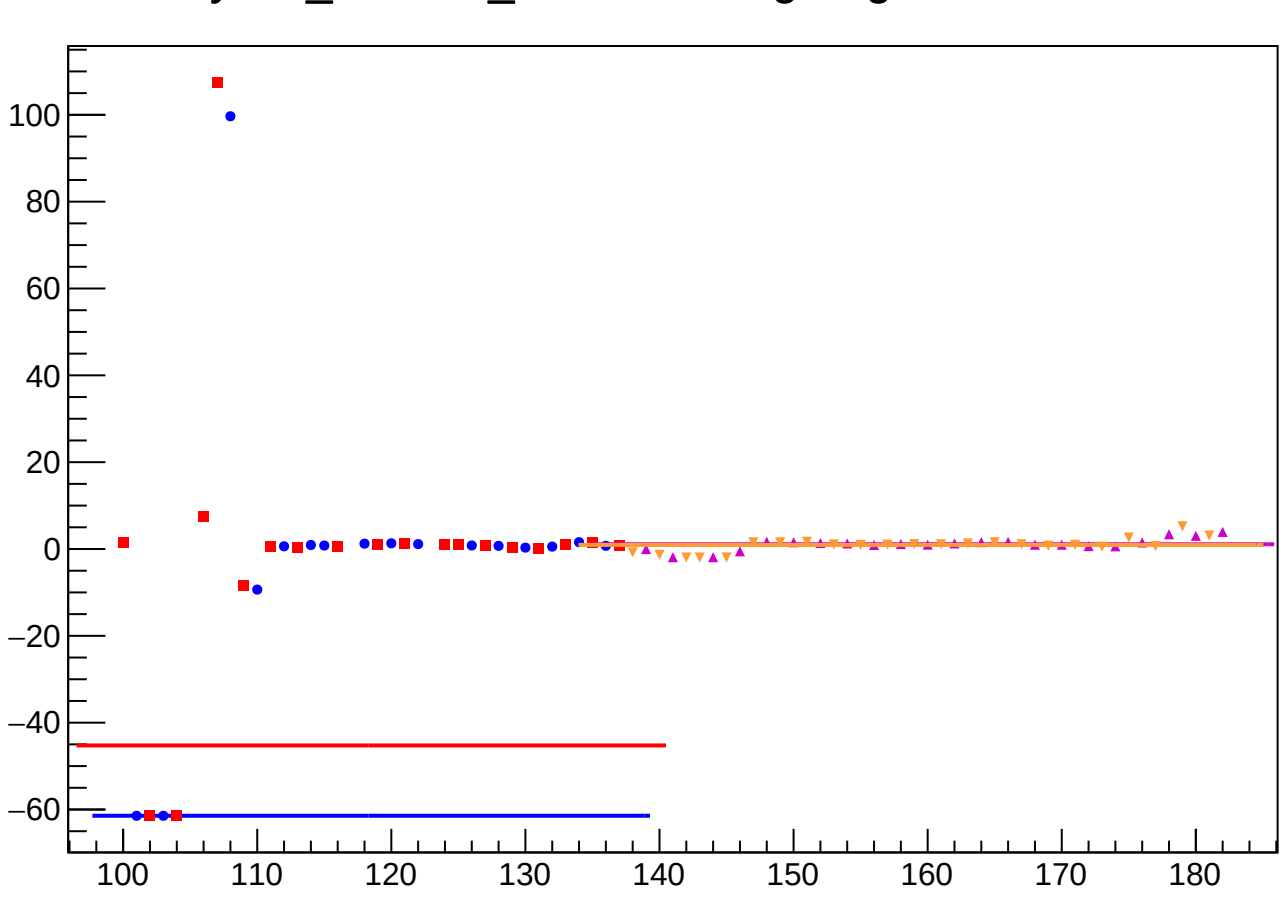
Left: 0.336+/-0.000 χ^2/NDF: 2173964.0/44

Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

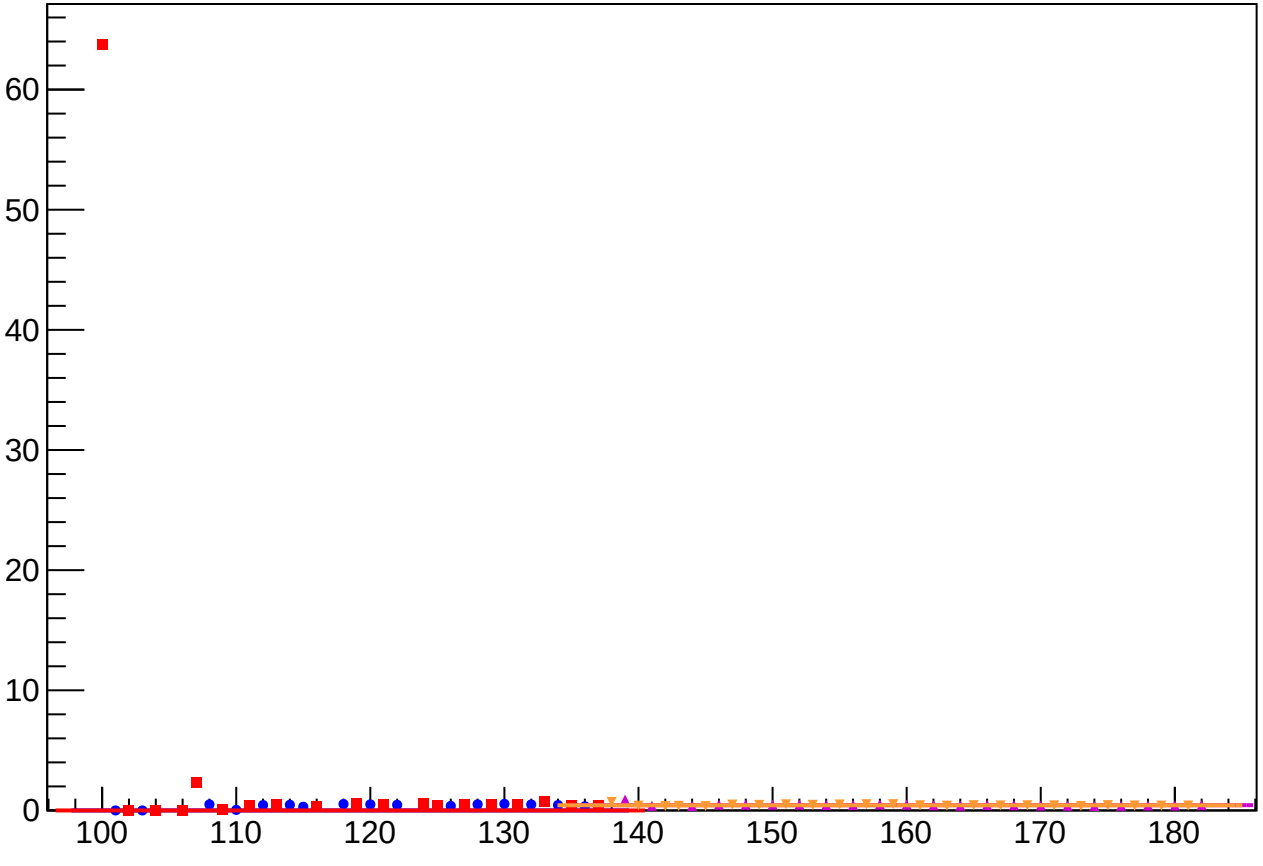
In: 0.360+/-0.000 χ^2/NDF:5081850.3/37

Out: 0.352+/-0.000 χ^2/NDF:5568003.9/41

All: 0.356+/-0.000 χ^2/NDF: 10659700.1/79


yield_cav4dX_mean vs Slug, Sign Corrected
100
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: -61.436+/-0.000 χ²/NDF: 273496278670.9/15
Left Out: 0.948+/-0.000 χ²/NDF:230428042.8/22
Right Out: -45.245+/-0.000 χ²/NDF: 357870328061478.0/18
Left In: 1.093+/-0.000 χ²/NDF:156707396.4/21
Left: 1.019+/-0.000 χ²/NDF: 387943584.0/44
Right: -52.749+/-0.000 χ²/NDF: 409121918007227
In: -61.423+/-0.000 χ²/NDF:569530530718.3/37
Out: -45.236+/-0.000 χ²/NDF:358040560134279.4
All: -52.738+/-0.000 χ²/NDF: 409571403557

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.431+/-0.000 χ^2/NDF:524708.5/22

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.439+/-0.000 χ^2/NDF:694400.4/21

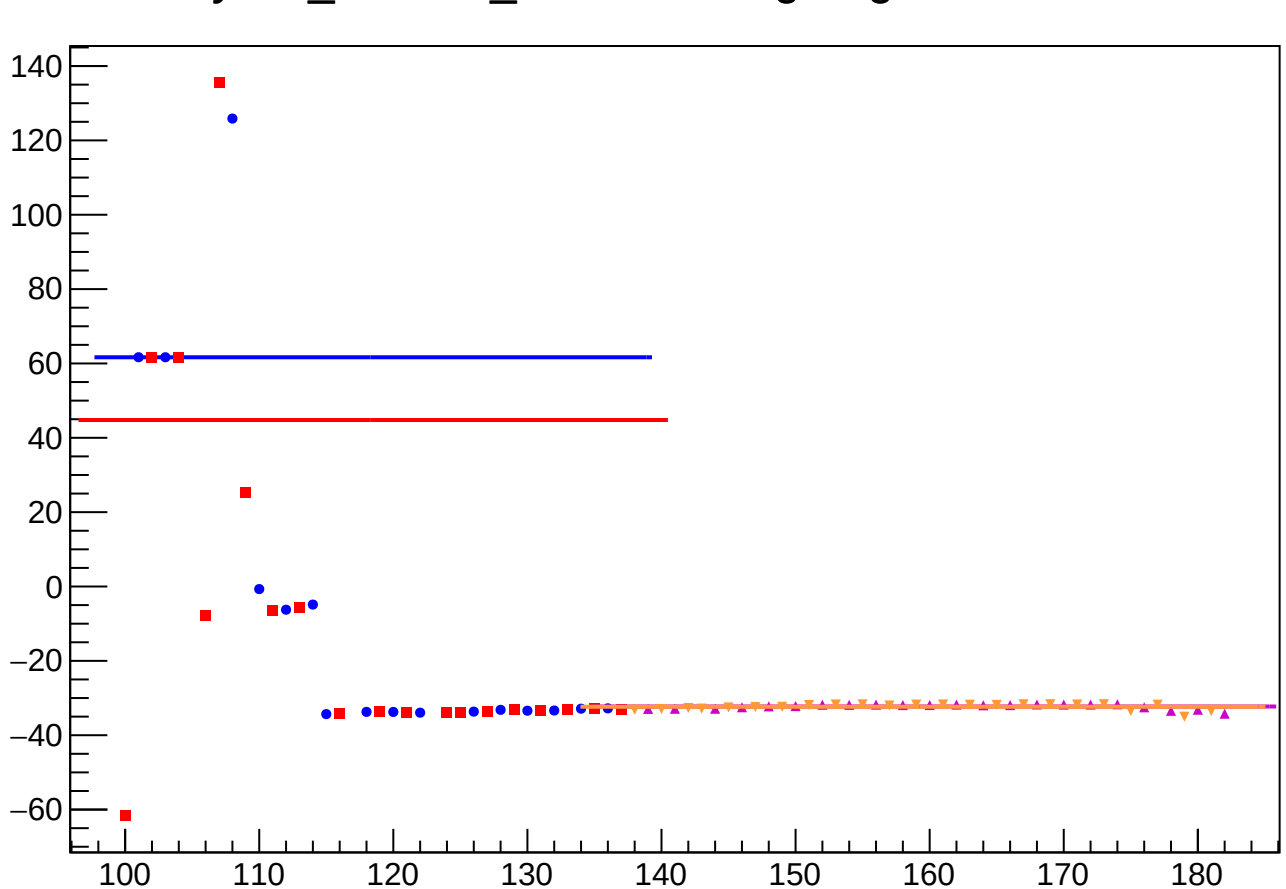
Left: 0.435+/-0.000 χ^2/NDF: 1223909.3/44

Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

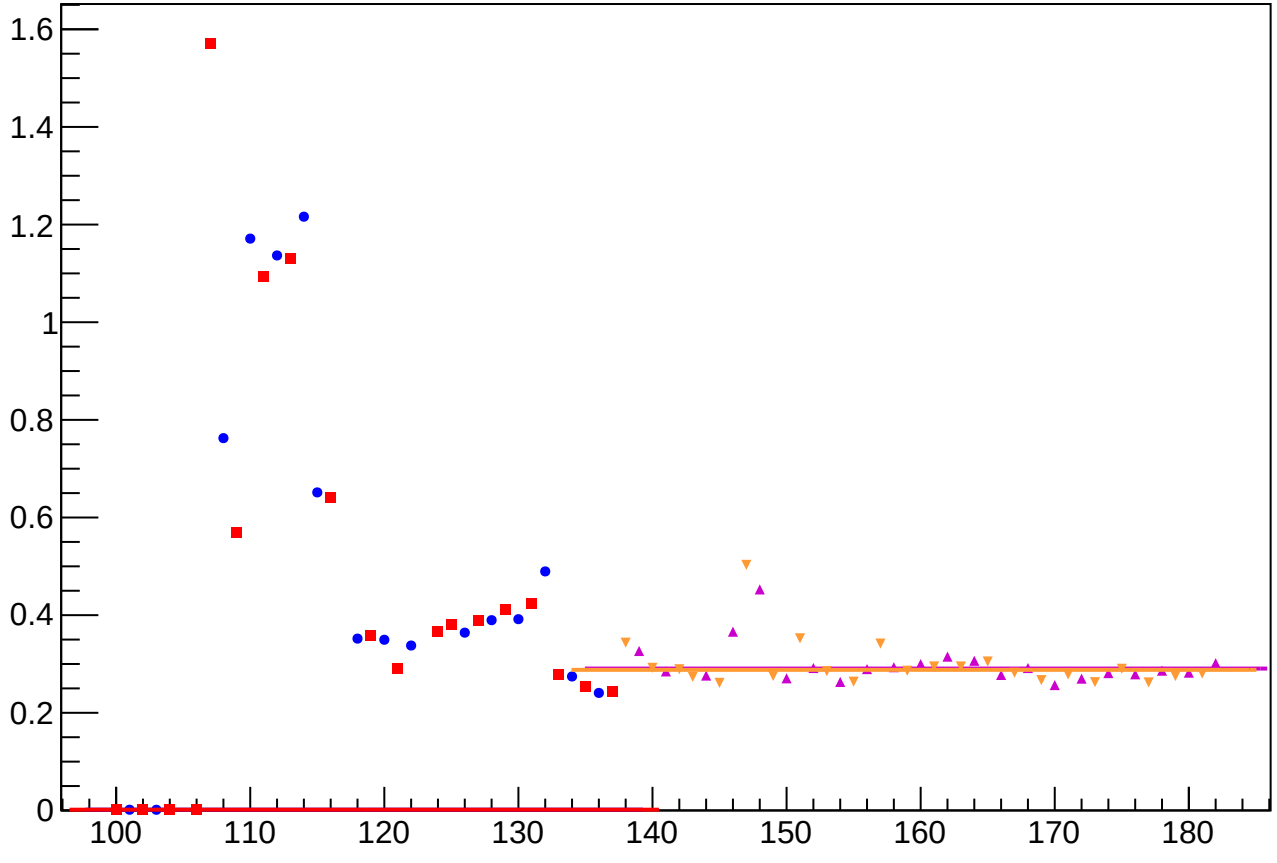
In: 0.002+/-0.000 χ^2/NDF:38807164.9/37

Out: 0.002+/-0.000 χ^2/NDF:39268899.3/41

All: 0.002+/-0.000 χ^2/NDF: 78076121.6/79


yield_cav4dY_mean vs Slug, Sign Corrected
140
120
100
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: 61.662+/-0.000 χ²/NDF: 369463062074.0/15
Left Out: -32.336+/-0.000 χ²/NDF:155864901.0/22
Right Out: 44.786+/-0.000 χ²/NDF: 366094778229951.8/18
Left In: -32.277+/-0.000 χ²/NDF:89799091.7/21
Left: -32.307+/-0.000 χ²/NDF: 246024531.9/44
Right: 52.689+/-0.000 χ²/NDF: 417568081486015.
In: 61.605+/-0.000 χ²/NDF:2162953050411.8/37
Out: 44.743+/-0.000 χ²/NDF:367343369183775.5
All: 52.640+/-0.000 χ²/NDF: 4205528816633

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.288+/-0.000 χ^2/NDF:511888.5/22

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.291+/-0.000 χ^2/NDF:387502.2/21

Left: 0.289+/-0.000 χ^2/NDF: 900827.3/44

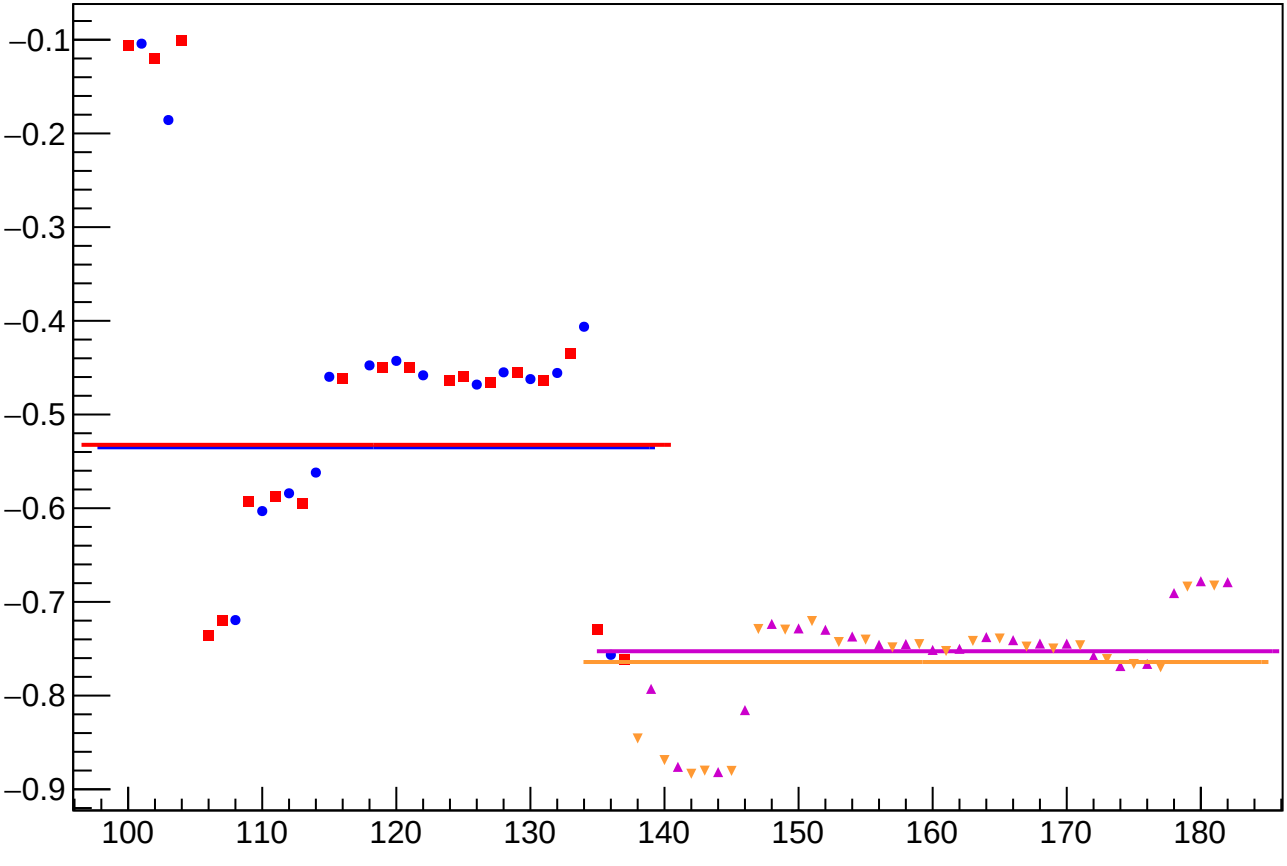
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:45387414.1/37

Out: 0.002+/-0.000 χ^2/NDF:45519994.4/41

All: 0.002+/-0.000 χ^2/NDF: 90907409.5/79

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.764+/-0.000 χ^2/NDF:149668377.0/22

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.753+/-0.000 χ^2/NDF:120485091.9/21

Left: -0.759+/-0.000 χ^2/NDF: 272950274.0/44

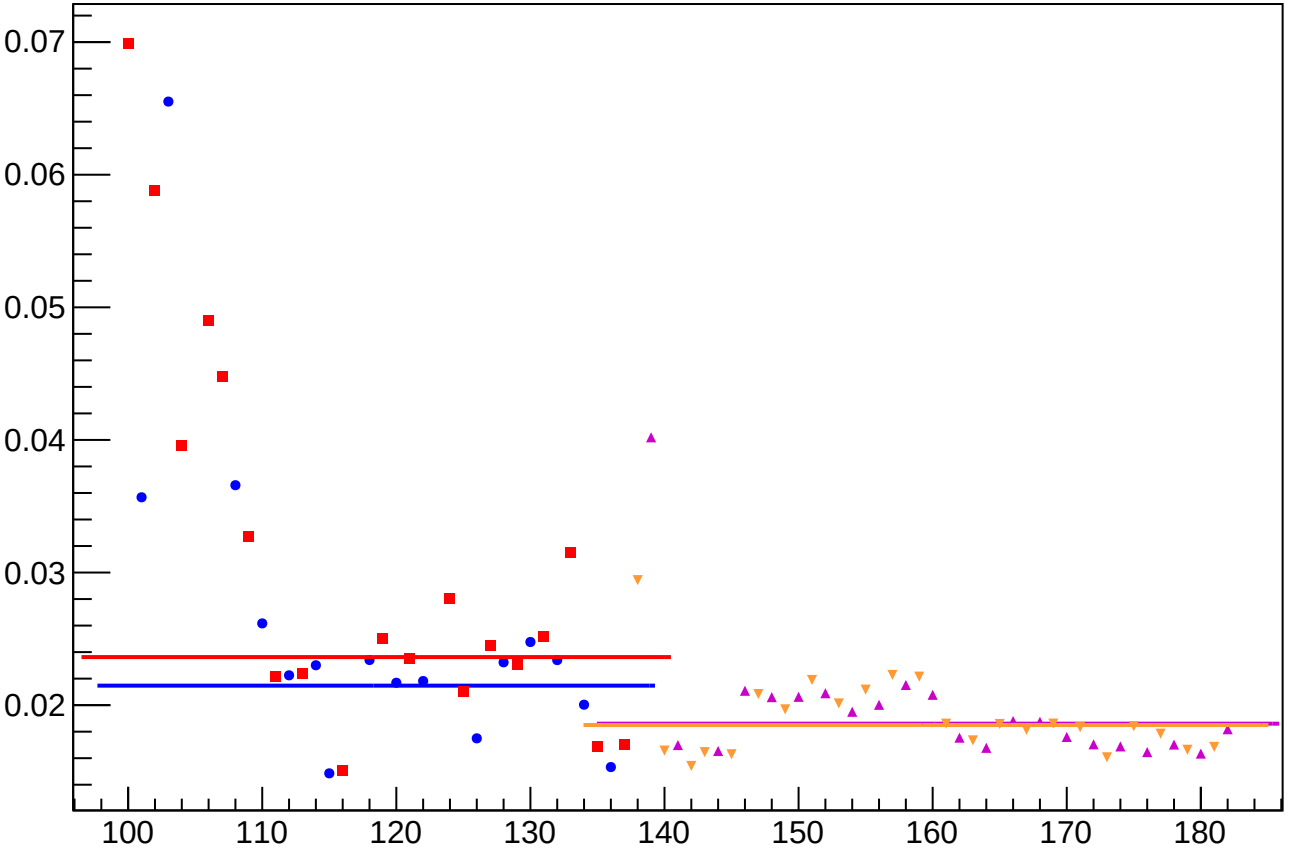
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.705+/-0.000 χ^2/NDF:852144988.5/37

Out: -0.720+/-0.000 χ^2/NDF:799610209.1/41

All: -0.713+/-0.000 χ^2/NDF: 1657922322.2/7

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:491186.3/22

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.019+/-0.000 χ^2/NDF:738840.7/21

Left: 0.019+/-0.000 χ^2/NDF: 1230475.3/44

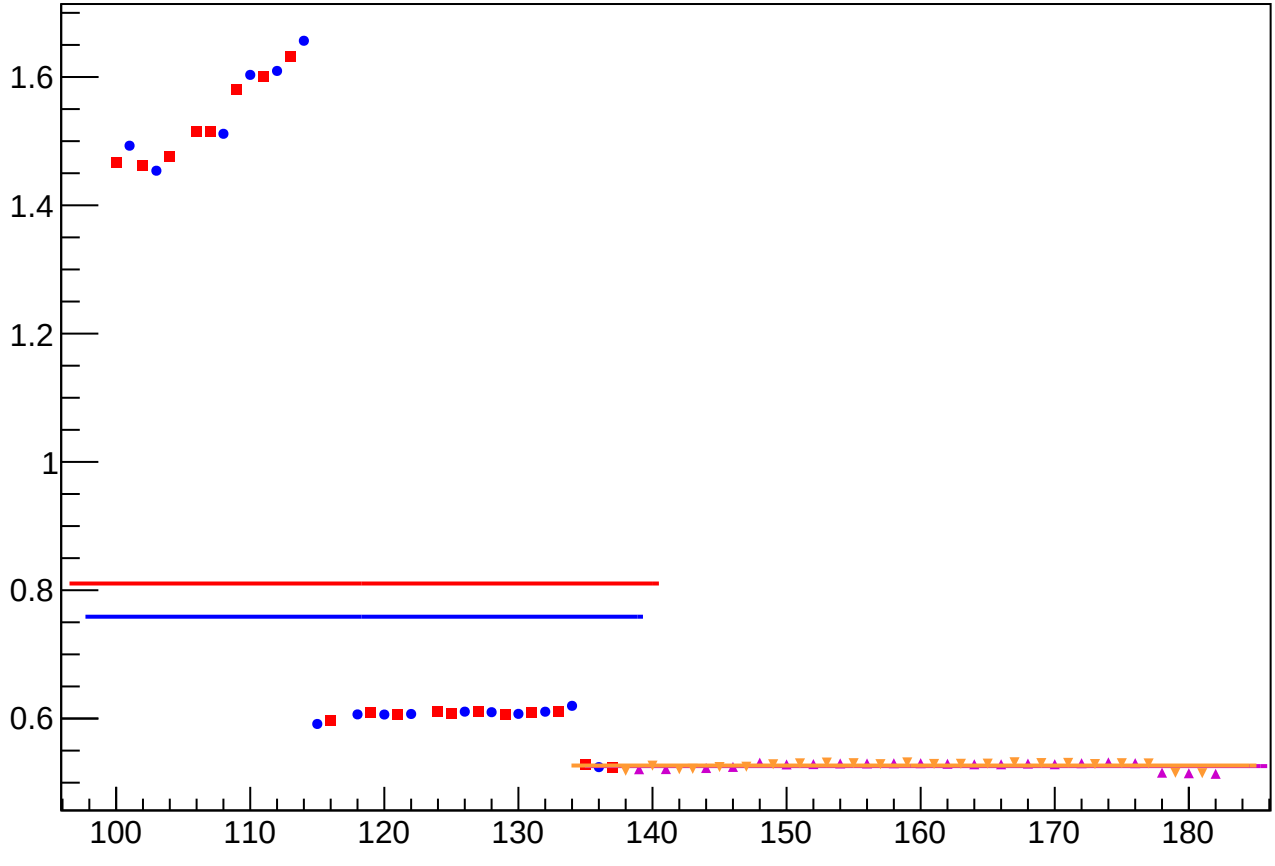
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.019+/-0.000 χ^2/NDF:2042452.0/37

Out: 0.019+/-0.000 χ^2/NDF:2194486.9/41

All: 0.019+/-0.000 χ^2/NDF: 4239954.8/79

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:3648438.3/22

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.526+/-0.000 χ^2/NDF:4254900.2/21

Left: 0.526+/-0.000 χ^2/NDF: 7954678.5/44

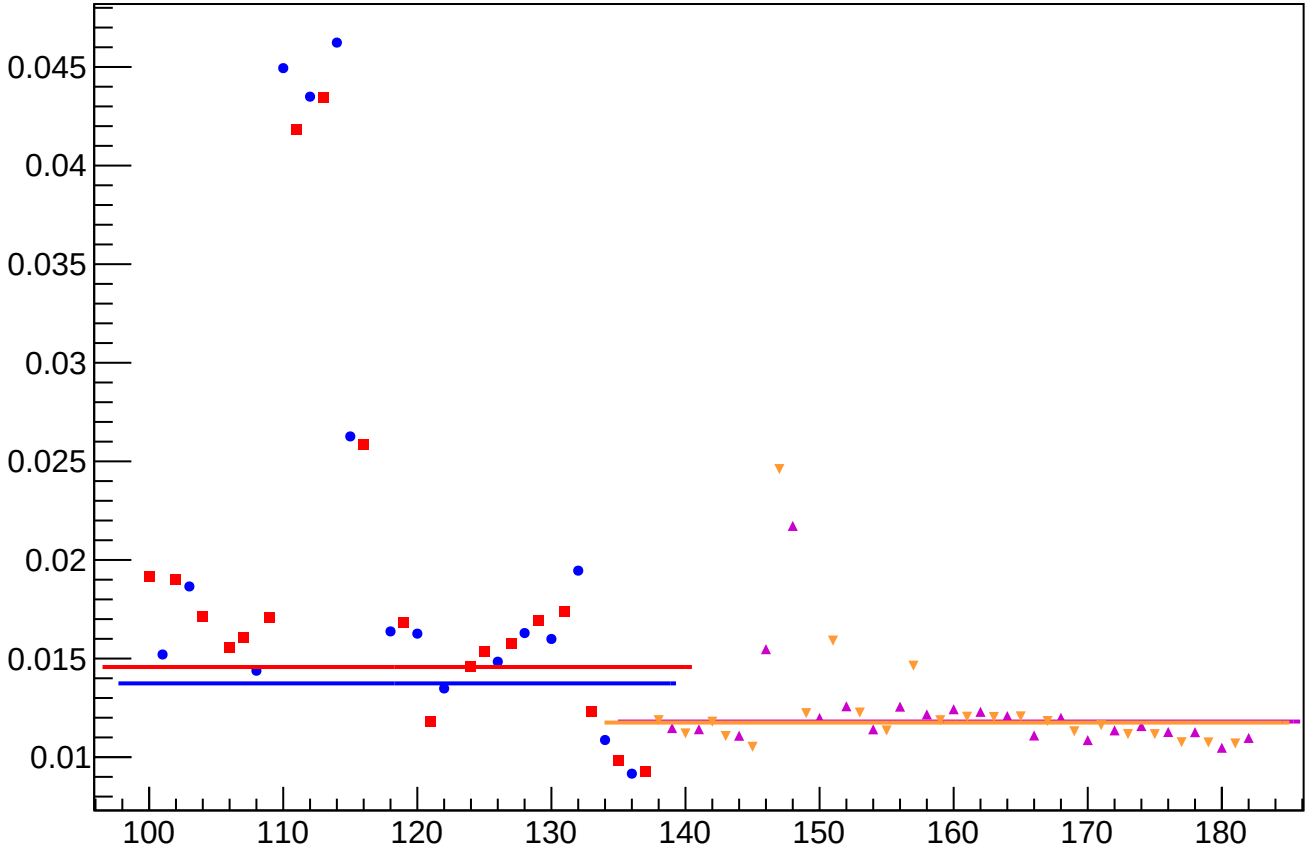
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.573+/-0.000 χ^2/NDF:5671662298.4/37

Out: 0.580+/-0.000 χ^2/NDF:6692576035.1/41

All: 0.577+/-0.000 χ^2/NDF: 12368186466.1/7

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:697663.6/22

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:516615.5/21

Left: 0.012+/-0.000 χ^2/NDF: 1214608.4/44

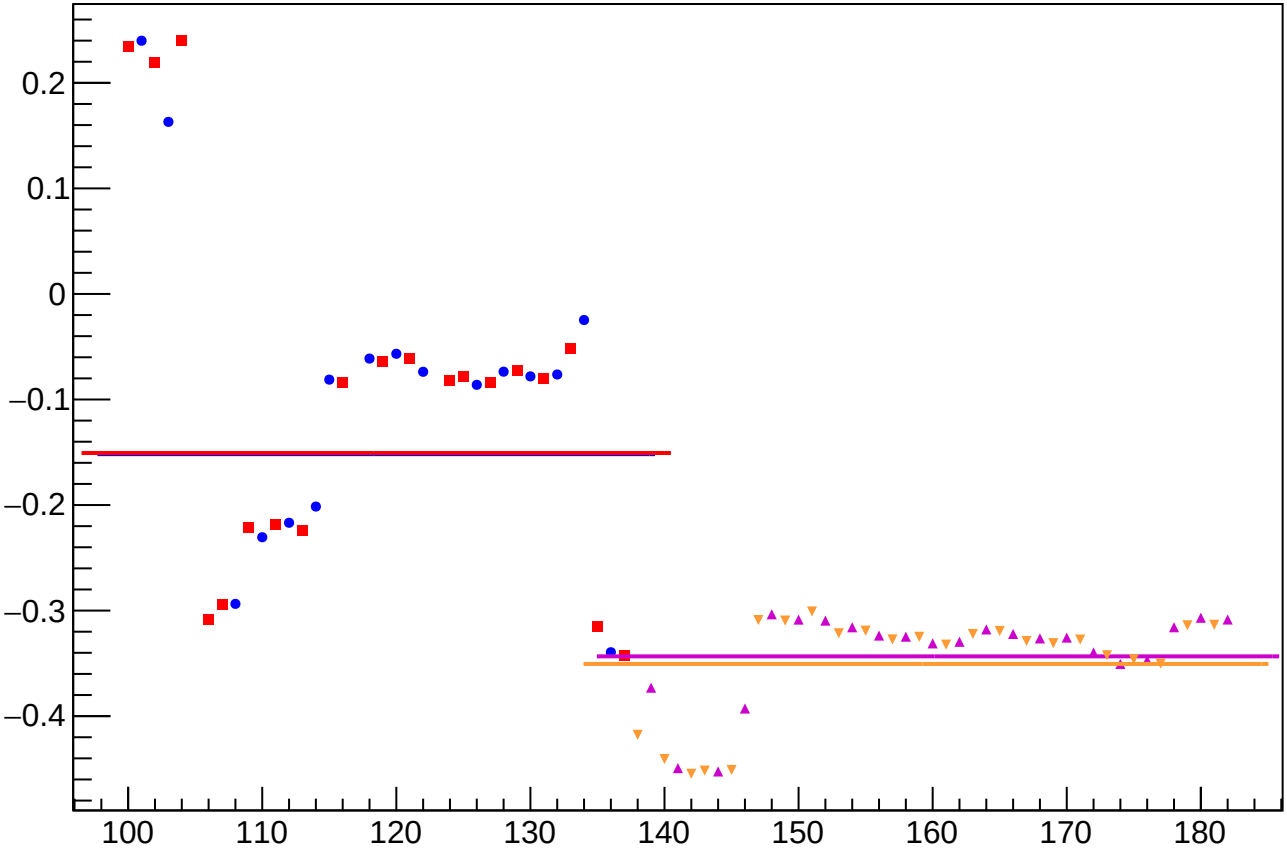
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.012+/-0.000 χ^2/NDF:2354739.3/37

Out: 0.012+/-0.000 χ^2/NDF:2531354.8/41

All: 0.012+/-0.000 χ^2/NDF: 4887270.5/79

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.351+/-0.000 χ^2/NDF:113410330.0/22

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.343+/-0.000 χ^2/NDF:84307648.6/21

Left: -0.347+/-0.000 χ^2/NDF: 198829799.7/44

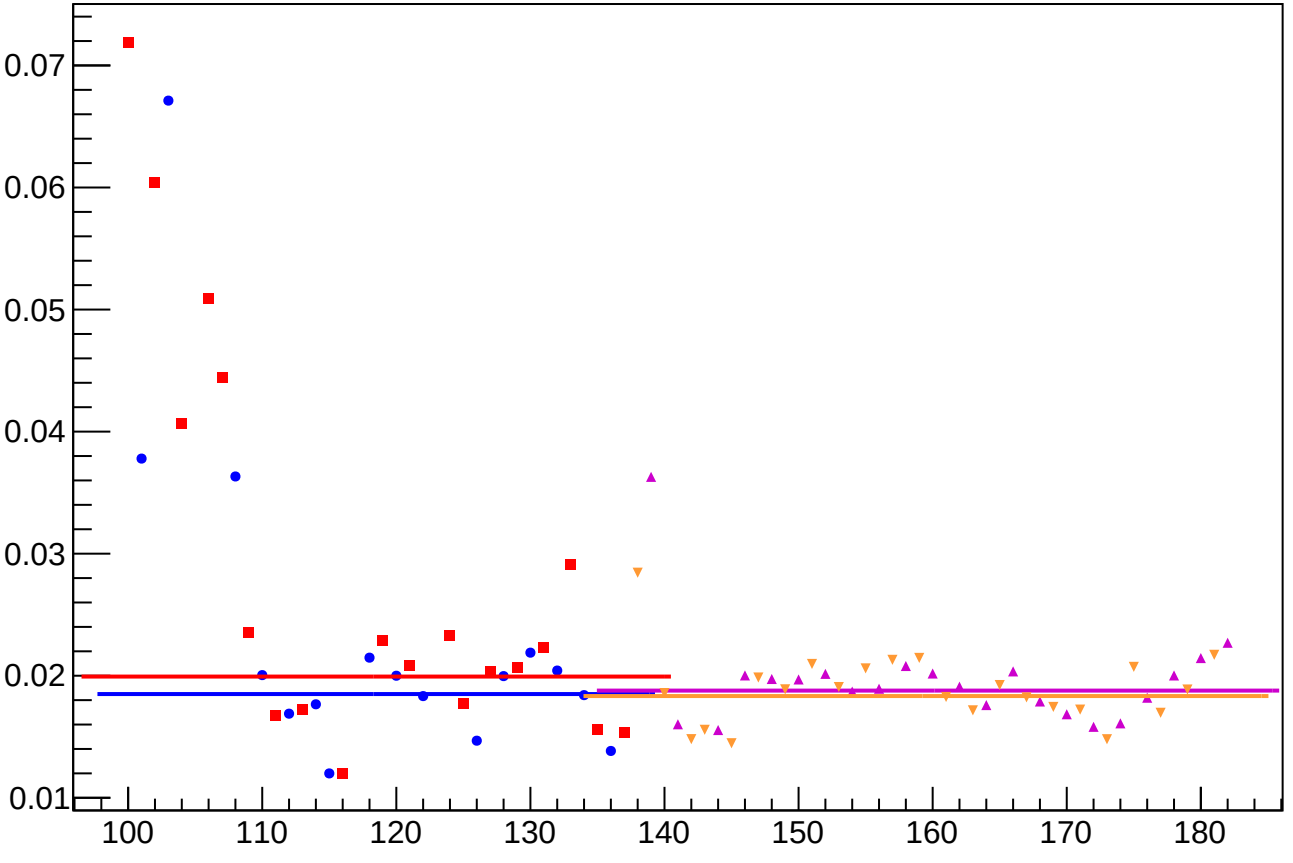
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.292+/-0.000 χ^2/NDF:774434756.5/37

Out: -0.303+/-0.000 χ^2/NDF:731287659.7/41

All: -0.298+/-0.000 χ^2/NDF: 1509643528.9/7

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:586381.1/22

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:717297.4/21

Left: 0.019+/-0.000 χ^2/NDF: 1312340.3/44

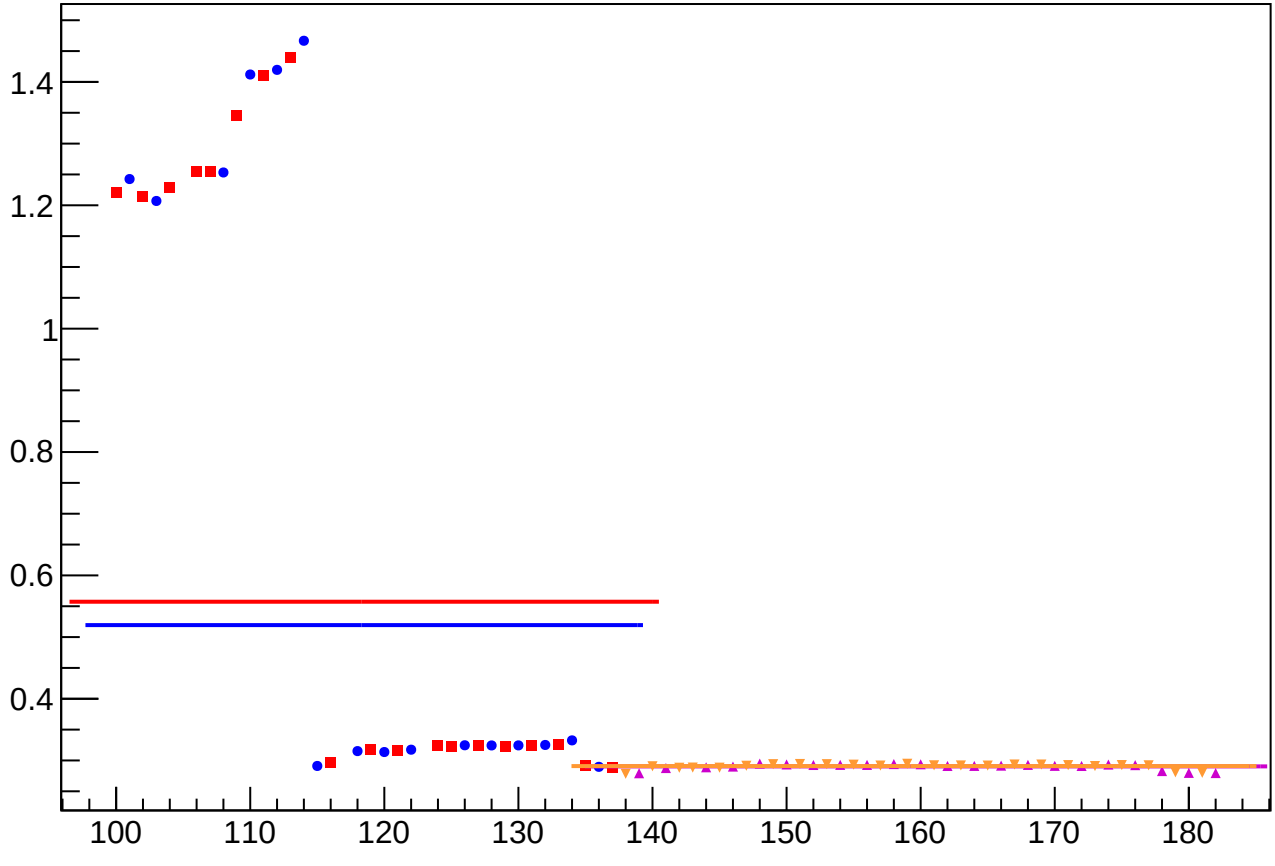
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:2091471.9/37

Out: 0.019+/-0.000 χ^2/NDF:2187406.4/41

All: 0.019+/-0.000 χ^2/NDF: 4278879.5/79

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:2428203.4/22

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.290+/-0.000 χ^2/NDF:2763086.5/21

Left: 0.291+/-0.000 χ^2/NDF: 5208197.7/44

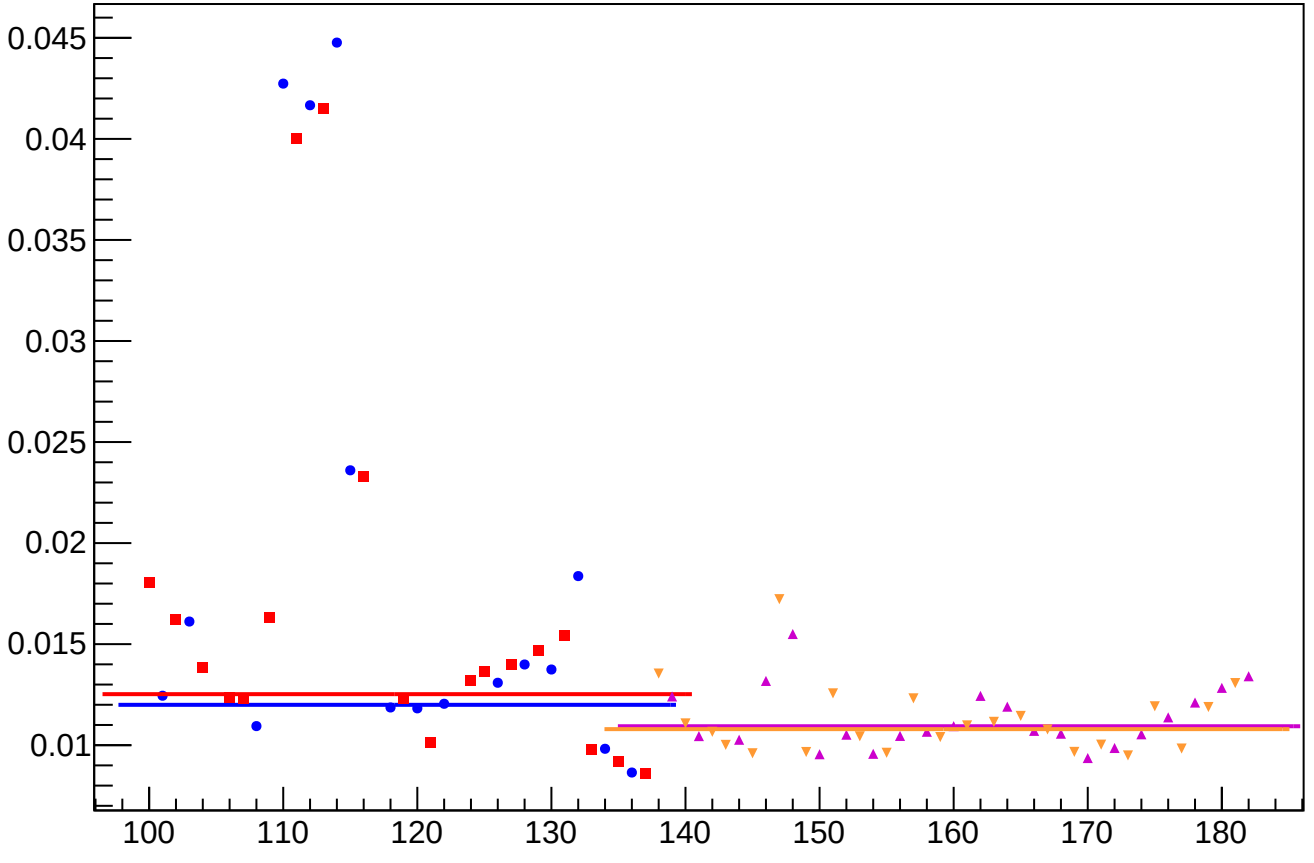
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.342+/-0.000 χ^2/NDF:8006516158.2/37

Out: 0.346+/-0.000 χ^2/NDF:8944770729.8/41

All: 0.344+/-0.000 χ^2/NDF: 16953045114.4/7

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:581989.4/22

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:504631.2/21

Left: 0.011+/-0.000 χ^2/NDF: 1089609.2/44

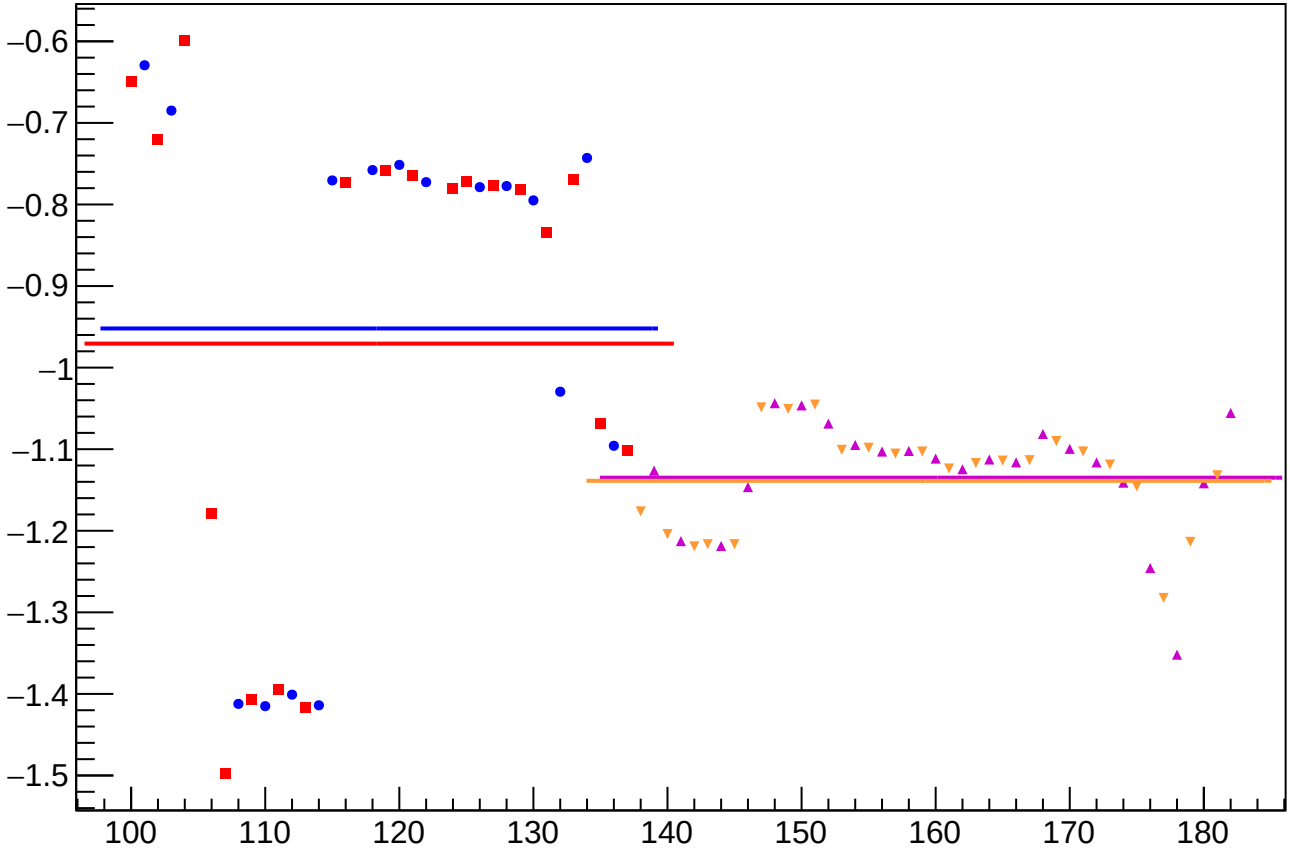
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:2068340.4/37

Out: 0.011+/-0.000 χ^2/NDF:2201511.8/41

All: 0.011+/-0.000 χ^2/NDF: 4269941.0/79

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.139+/-0.000 χ^2/NDF:167326025.3/22

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.135+/-0.000 χ^2/NDF:234254447.5/21

Left: -1.137+/-0.000 χ^2/NDF: 401910434.4/44

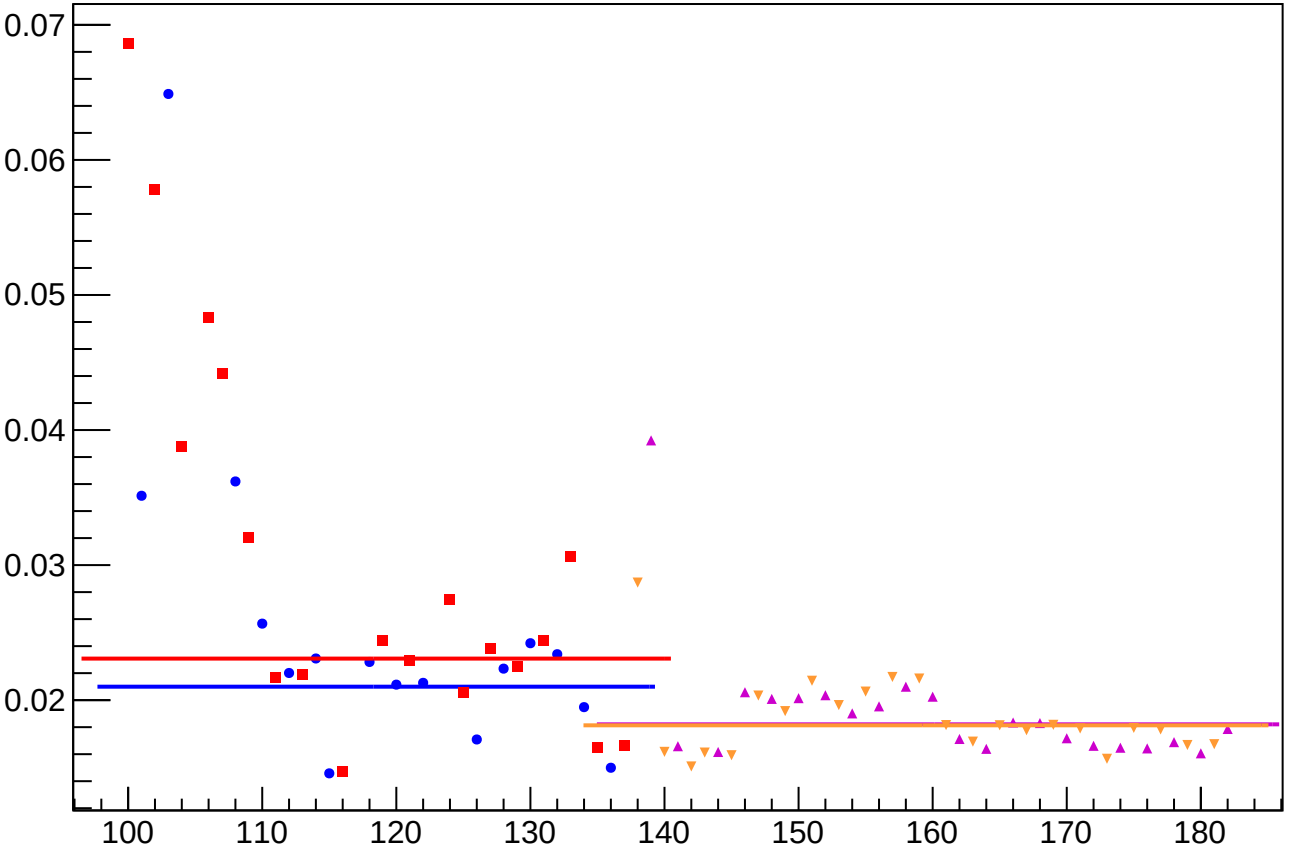
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.095+/-0.000 χ^2/NDF:1251341418.1/37

Out: -1.107+/-0.000 χ^2/NDF:1121253498.9/41

All: -1.101+/-0.000 χ^2/NDF: 2376527373.9/7

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:473410.4/22

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.018+/-0.000 χ^2/NDF:723568.5/21

Left: 0.018+/-0.000 χ^2/NDF: 1197212.9/44

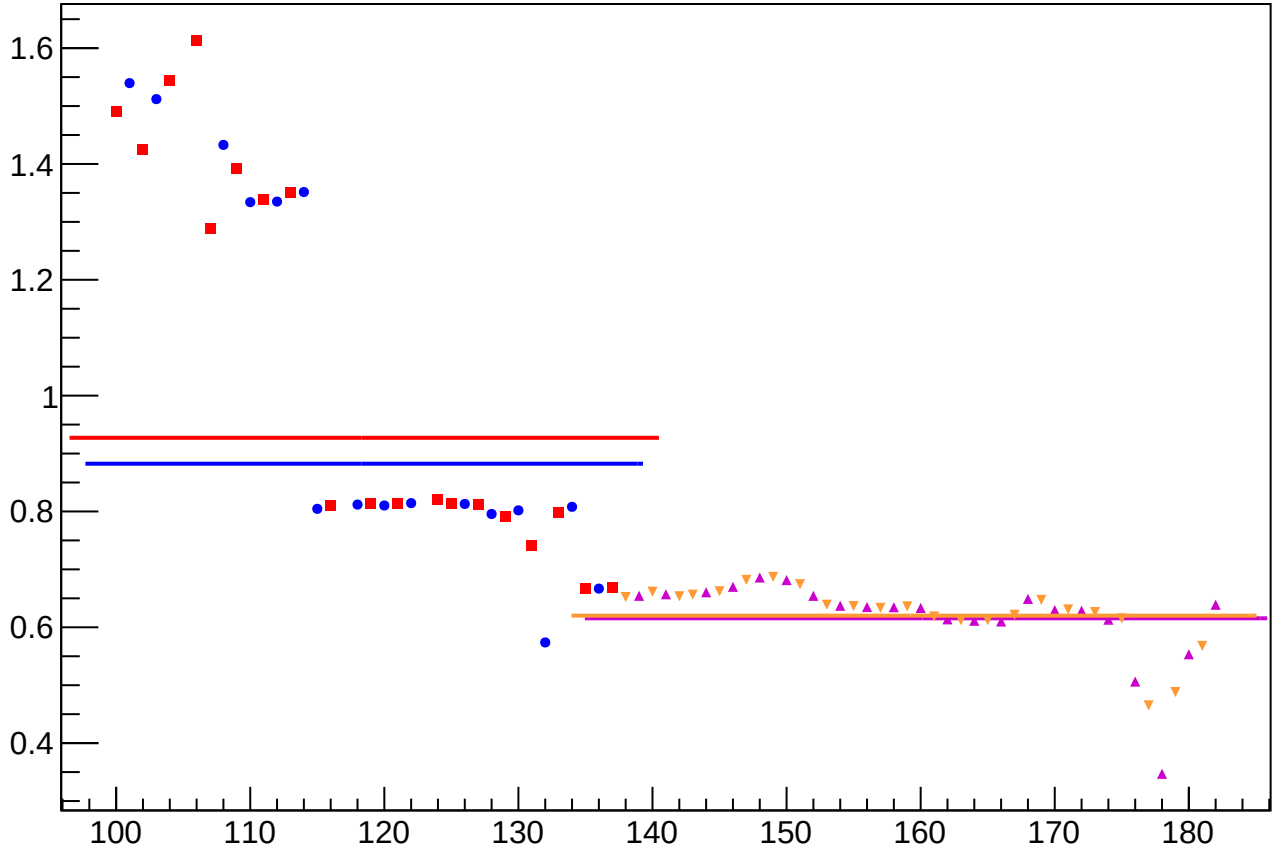
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.019+/-0.000 χ^2/NDF:2038132.3/37

Out: 0.019+/-0.000 χ^2/NDF:2167895.5/41

All: 0.019+/-0.000 χ^2/NDF: 4209608.2/79

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.620+/-0.000 χ^2/NDF:372530855.2/22

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.616+/-0.000 χ^2/NDF:631033175.5/21

Left: 0.618+/-0.000 χ^2/NDF: 1004876808.2/44

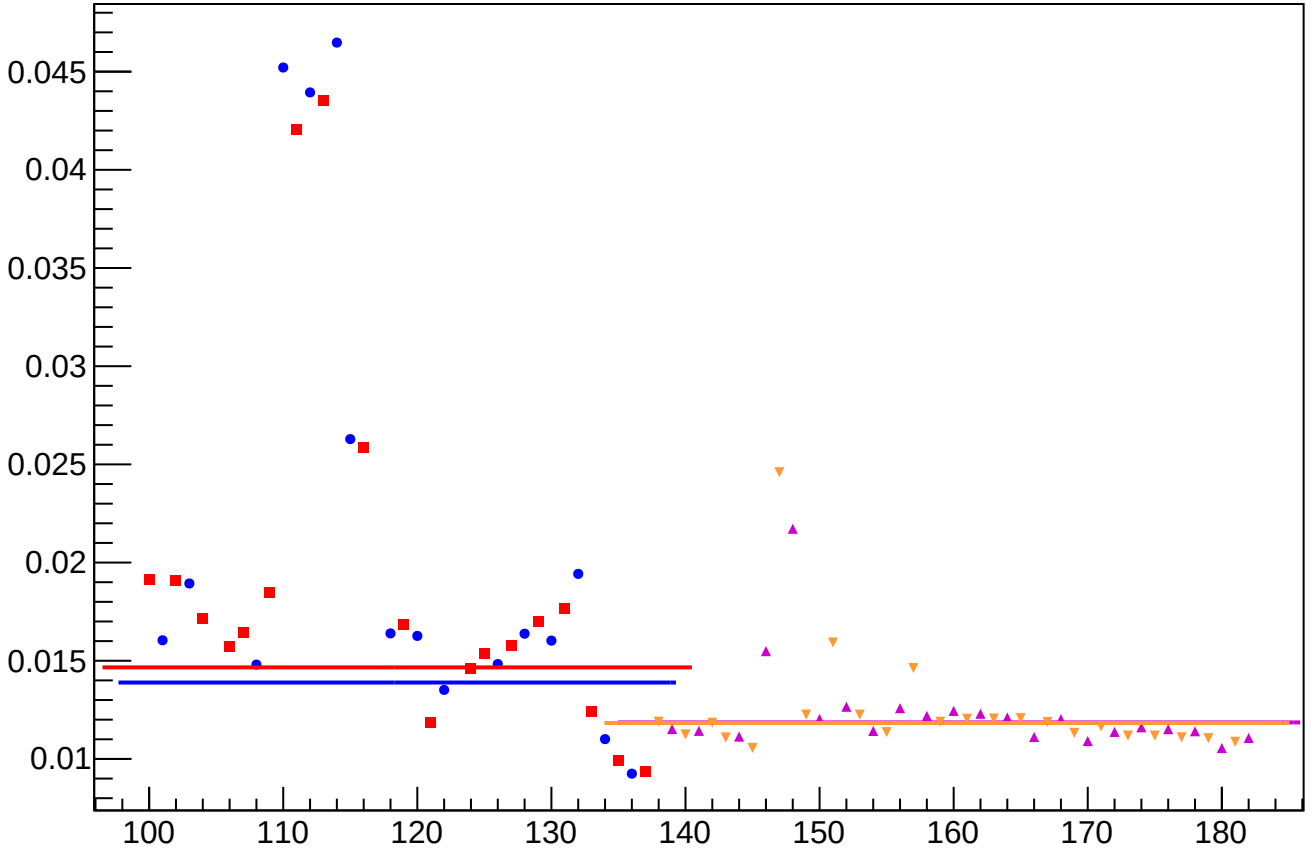
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.669+/-0.000 χ^2/NDF:5165798853.8/37

Out: 0.678+/-0.000 χ^2/NDF:5345652461.2/41

All: 0.673+/-0.000 χ^2/NDF: 10517476444.0/7

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:671193.3/22

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:505567.0/21

Left: 0.012+/-0.000 χ^2/NDF: 1176884.4/44

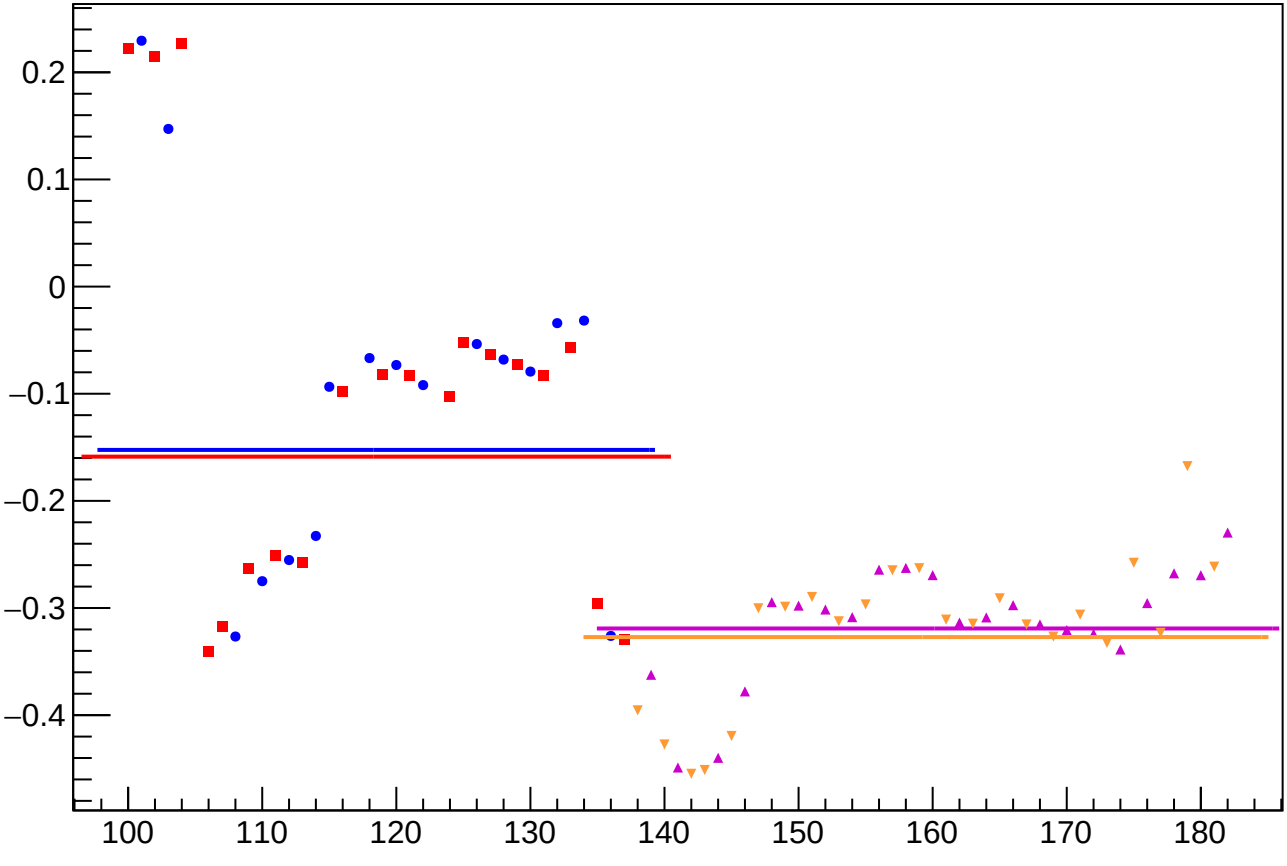
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.012+/-0.000 χ^2/NDF:2355052.8/37

Out: 0.012+/-0.000 χ^2/NDF:2514825.6/41

All: 0.012+/-0.000 χ^2/NDF: 4871239.4/79

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.327+/-0.000 χ^2/NDF:164089735.9/22

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.319+/-0.000 χ^2/NDF:130040590.7/21

Left: -0.323+/-0.000 χ^2/NDF: 295511246.5/44

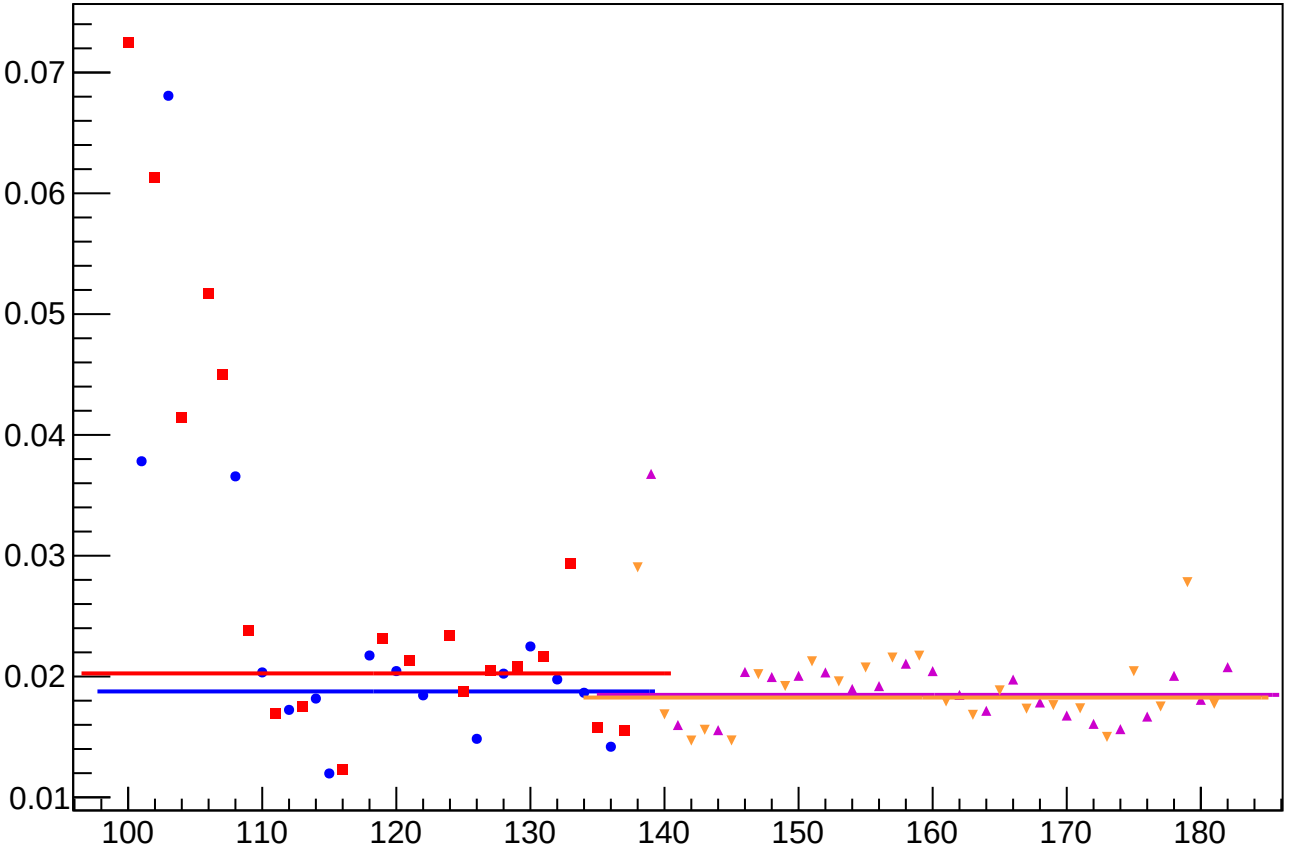
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.276+/-0.000 χ^2/NDF:711920187.6/37

Out: -0.288+/-0.000 χ^2/NDF:648176964.7/41

All: -0.282+/-0.000 χ^2/NDF: 1364424484.9/7

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:684236.3/22

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.018+/-0.000 χ^2/NDF:708505.6/21

Left: 0.018+/-0.000 χ^2/NDF: 1394822.1/44

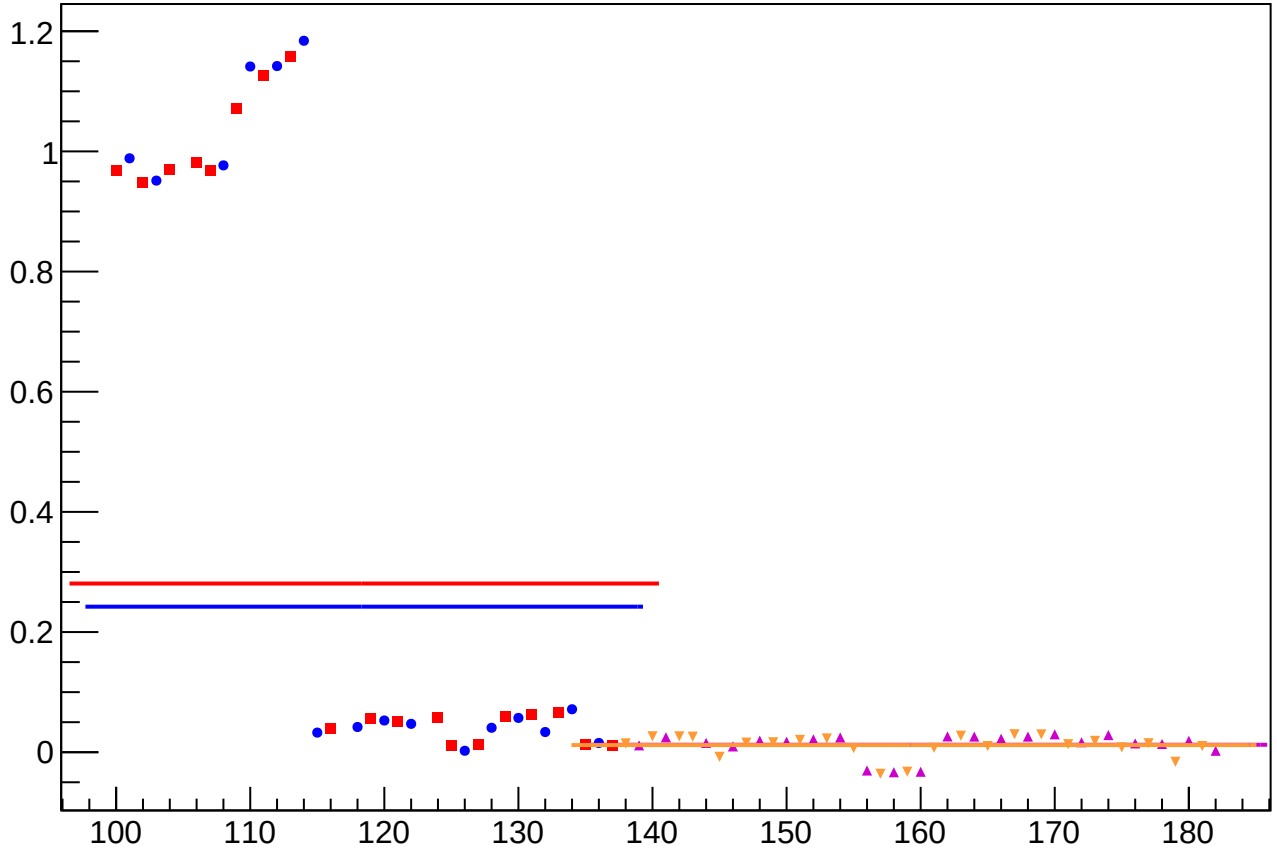
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:2059714.4/37

Out: 0.019+/-0.000 χ^2/NDF:2294988.4/41

All: 0.019+/-0.000 χ^2/NDF: 4356382.7/79

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:46339868.2/22

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.012+/-0.000 χ^2/NDF:58341151.2/21

Left: 0.012+/-0.000 χ^2/NDF: 104701586.8/44

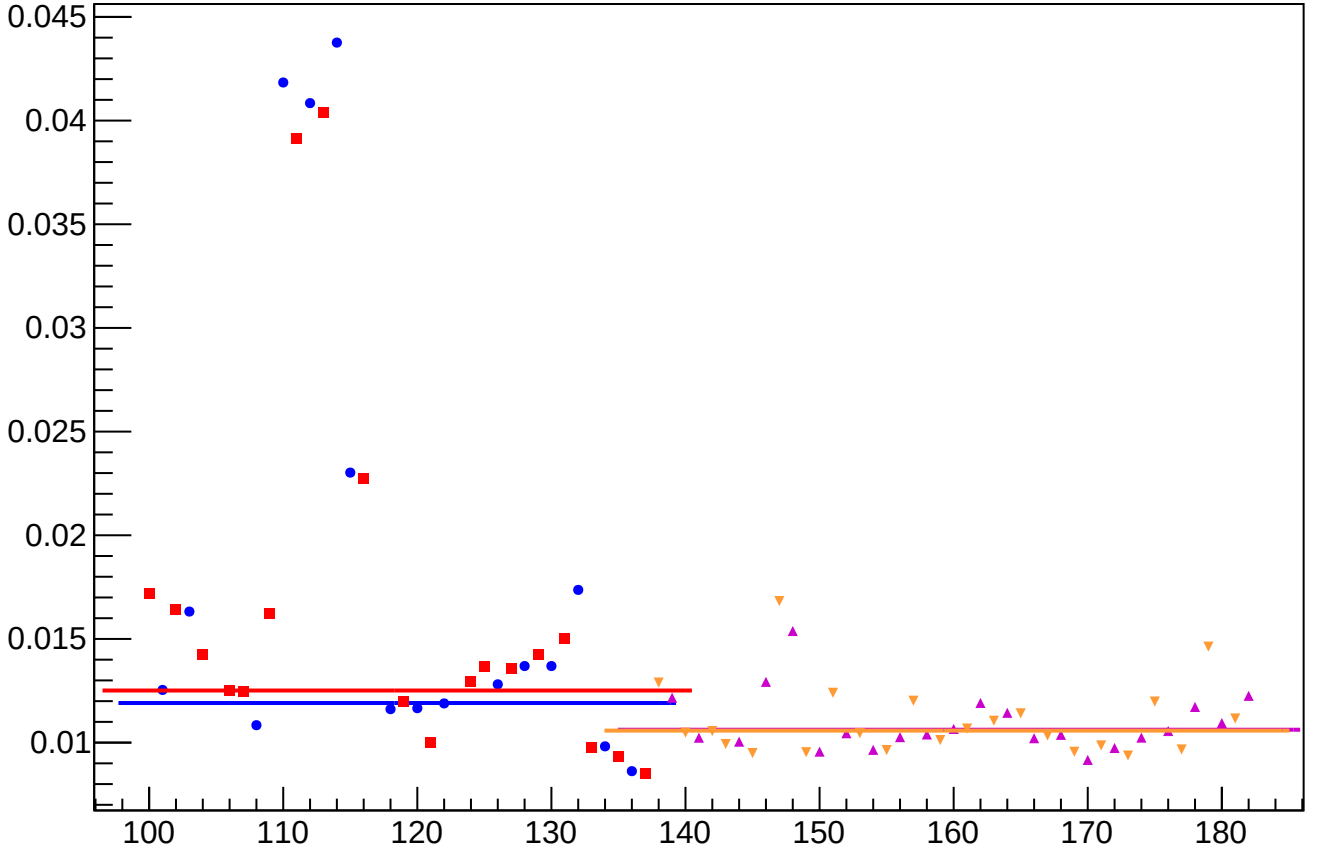
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.063+/-0.000 χ^2/NDF:8302234183.3/37

Out: 0.067+/-0.000 χ^2/NDF:9054043290.9/41

All: 0.065+/-0.000 χ^2/NDF: 17358072737.2/7

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:555802.5/22

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:399930.3/21

Left: 0.011+/-0.000 χ^2/NDF: 956003.6/44

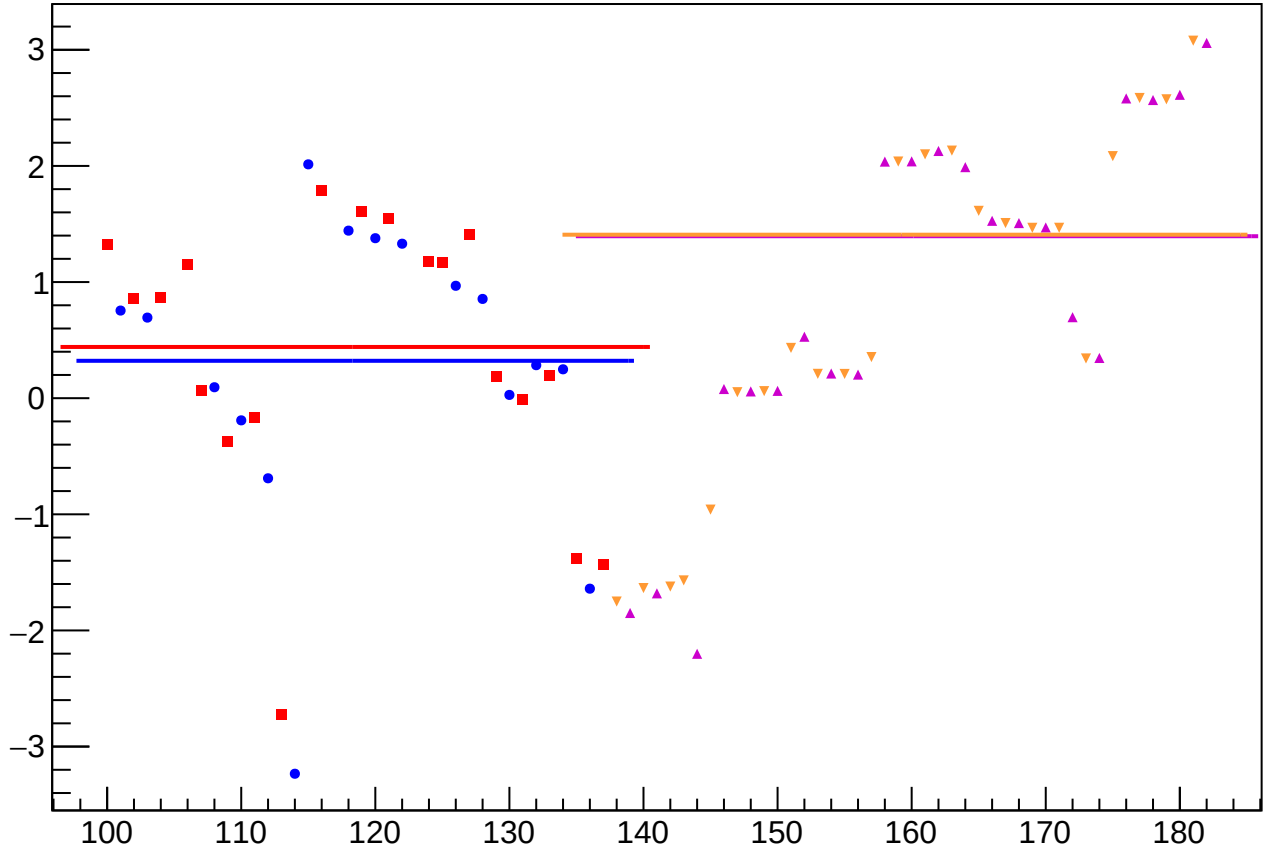
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1968518.6/37

Out: 0.011+/-0.000 χ^2/NDF:2180922.4/41

All: 0.011+/-0.000 χ^2/NDF: 4150441.9/79

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.408+/-0.000 χ^2/NDF:58161494742.5/22

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 1.395+/-0.000 χ^2/NDF:65207179649.1/21

Left: 1.401+/-0.000 χ^2/NDF: 123373744510.9/44

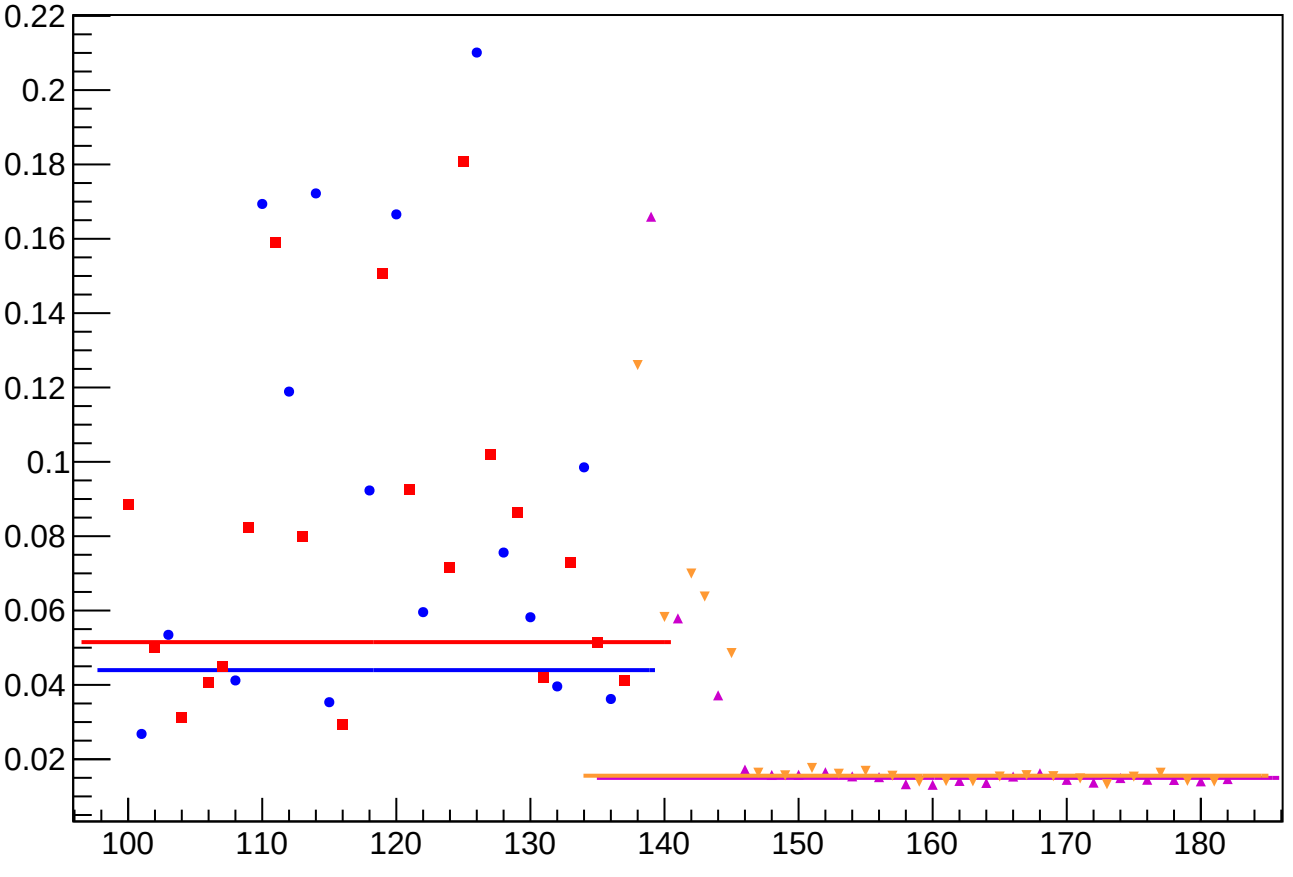
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.361+/-0.000 χ^2/NDF:69084188064.9/37

Out: 1.380+/-0.000 χ^2/NDF:61452925827.0/41

All: 1.370+/-0.000 χ^2/NDF: 130548755437.0

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2982678.2/22

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2182580.5/21

Left: 0.015+/-0.000 χ^2/NDF: 5185451.0/44

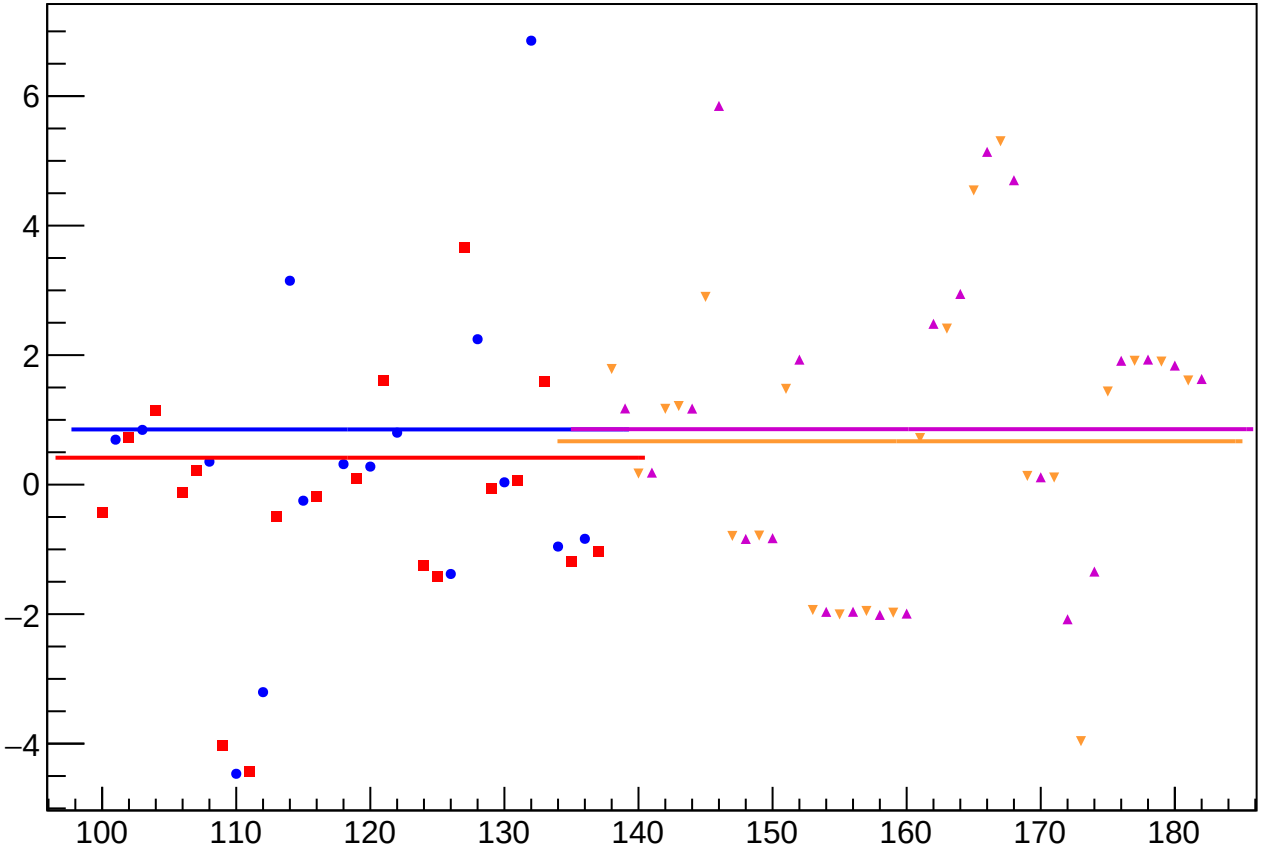
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.016+/-0.000 χ^2/NDF:8200582.1/37

Out: 0.017+/-0.000 χ^2/NDF:9480672.3/41

All: 0.016+/-0.000 χ^2/NDF: 17709988.7/79

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.670+/-0.000 χ^2/NDF:530126115301.9/22

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.856+/-0.000 χ^2/NDF:618931755323.5/21

Left: 0.765+/-0.000 χ^2/NDF: 1150705323677.5/44

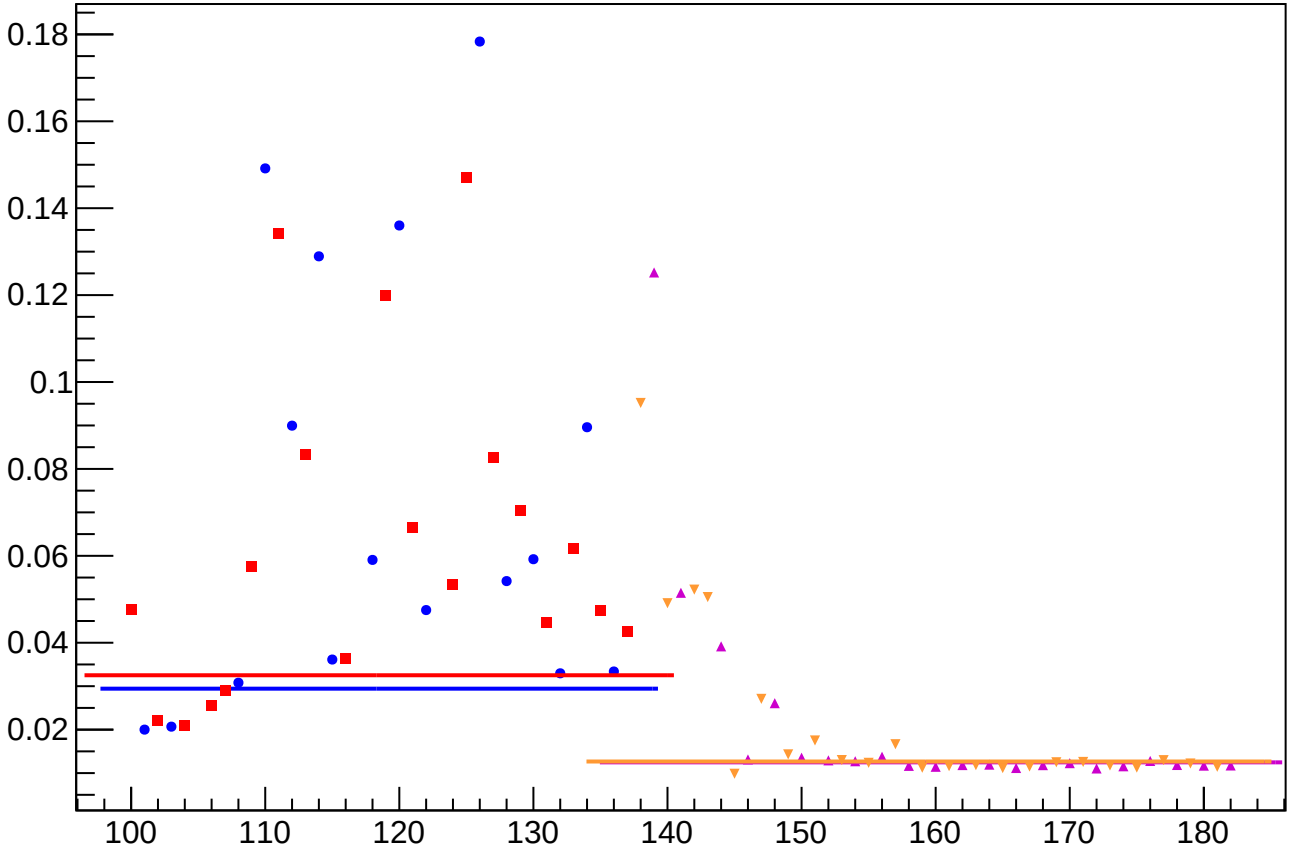
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.856+/-0.000 χ^2/NDF:630507853563.5/37

Out: 0.659+/-0.000 χ^2/NDF:535489128244.2/41

All: 0.760+/-0.000 χ^2/NDF: 1167907169662.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3185865.1/22

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.012+/-0.000 χ^2/NDF:2754968.7/21

Left: 0.013+/-0.000 χ^2/NDF: 5944467.7/44

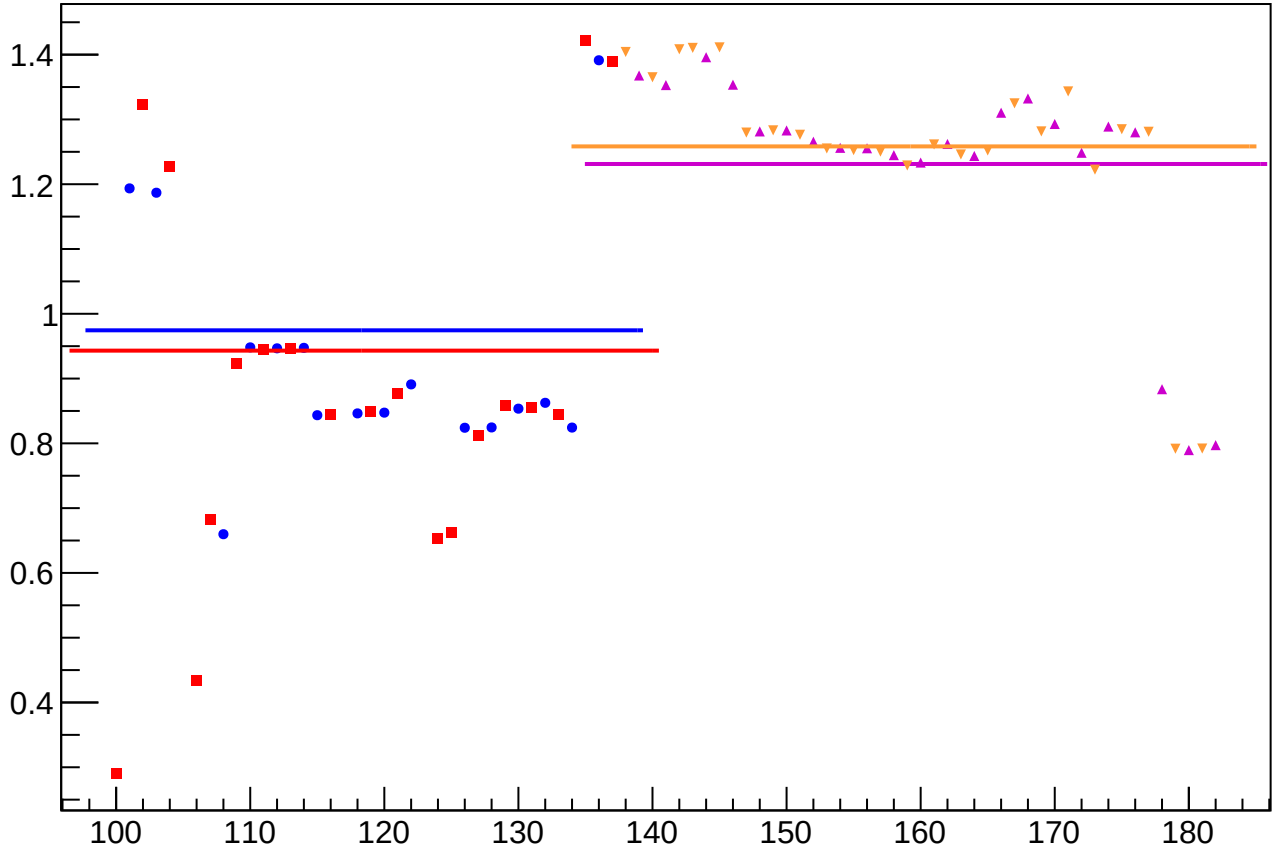
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.013+/-0.000 χ^2/NDF:8293975.5/37

Out: 0.013+/-0.000 χ^2/NDF:9451039.5/41

All: 0.013+/-0.000 χ^2/NDF: 17753239.9/79

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.258+/-0.000 χ^2/NDF:2047705628.4/22

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.231+/-0.000 χ^2/NDF:2396213200.3/21

Left: 1.245+/-0.000 χ^2/NDF: 4475132724.8/44

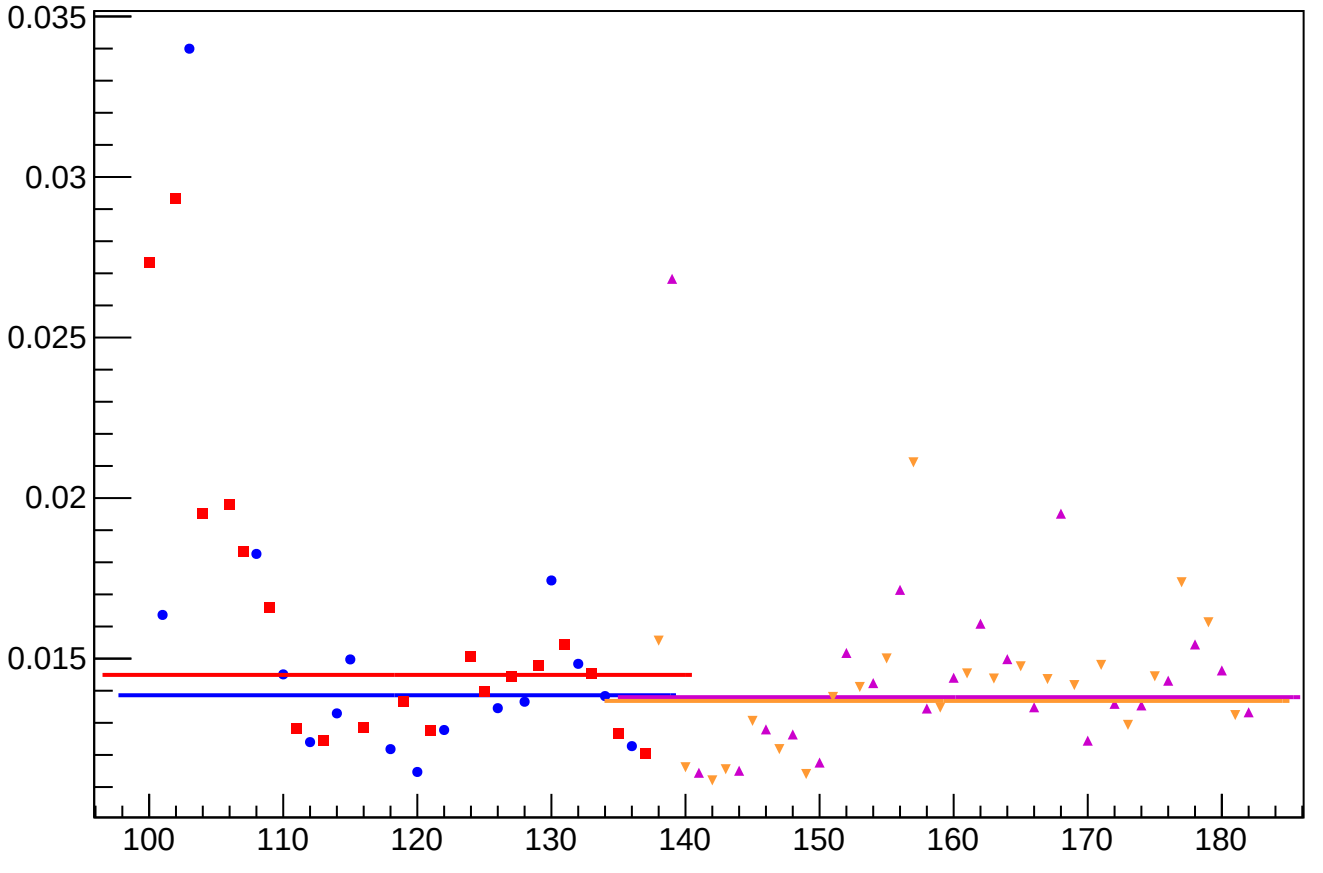
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.160+/-0.000 χ^2/NDF:5394353204.3/37

Out: 1.175+/-0.000 χ^2/NDF:5953064559.1/41

All: 1.168+/-0.000 χ^2/NDF: 11361553058.0/7

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.014+/-0.000 χ^2/NDF:541749.9/22

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:869776.6/21

Left: 0.014+/-0.000 χ^2/NDF: 1412673.3/44

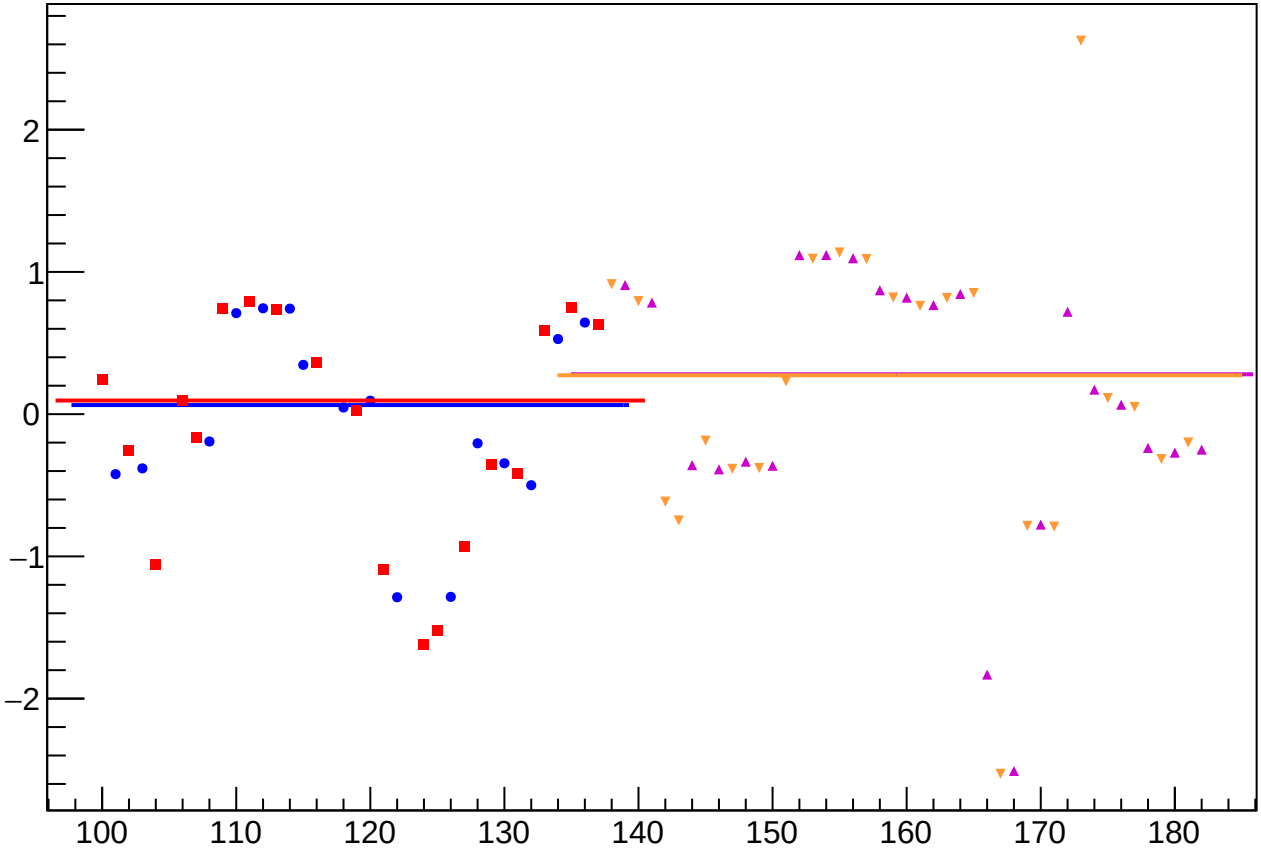
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1469923.3/37

Out: 0.014+/-0.000 χ^2/NDF:1115604.3/41

All: 0.014+/-0.000 χ^2/NDF: 2586276.0/79

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.273+/-0.000 χ^2/NDF:103521184643.5/22

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.280+/-0.000 χ^2/NDF:89820888752.2/21

Left: 0.277+/-0.000 χ^2/NDF: 193344737322.2/44

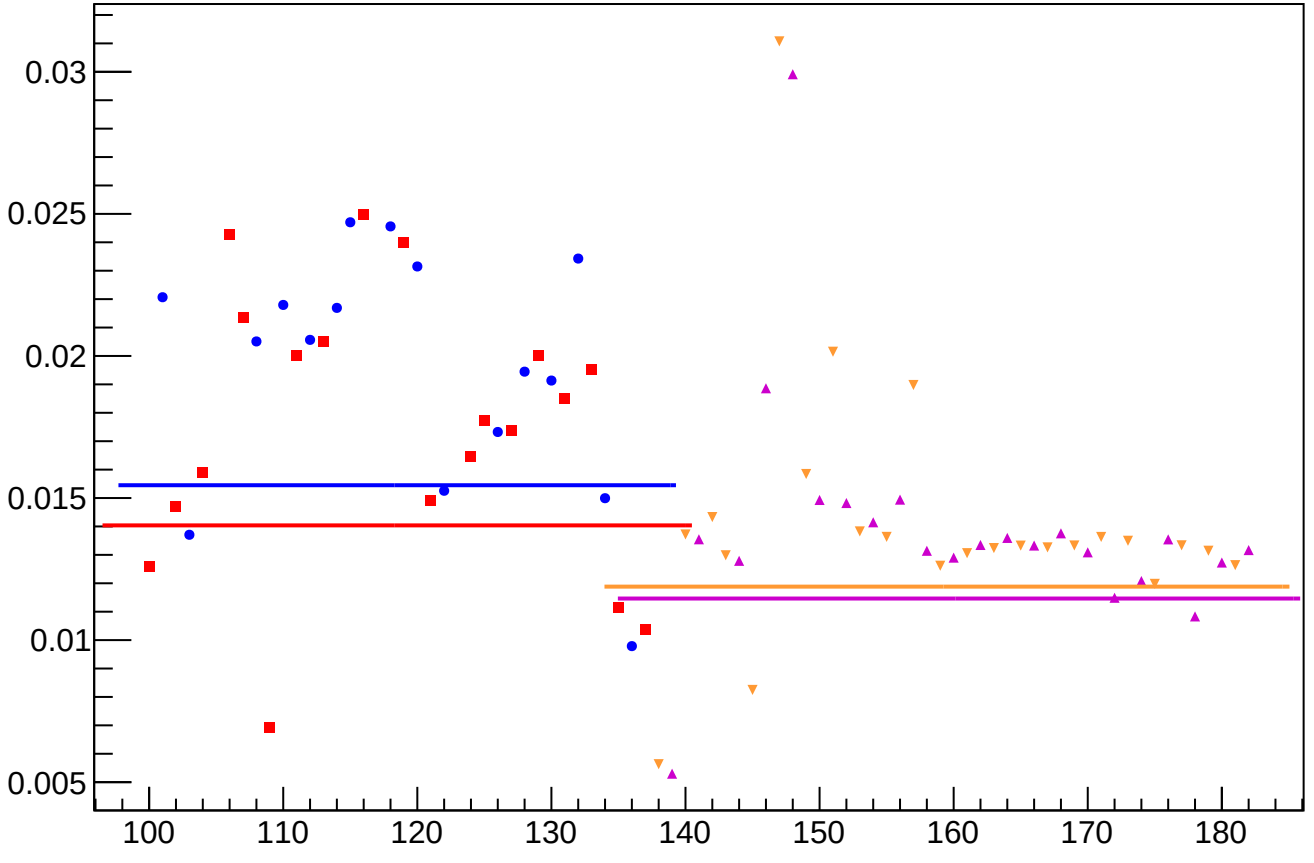
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.242+/-0.000 χ^2/NDF:101825176543.6/37

Out: 0.236+/-0.000 χ^2/NDF:122048630724.4/41

All: 0.239+/-0.000 χ^2/NDF: 223876135046.5

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:3244788.6/22

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3660380.4/21

Left: 0.012+/-0.000 χ^2/NDF: 6925198.7/44

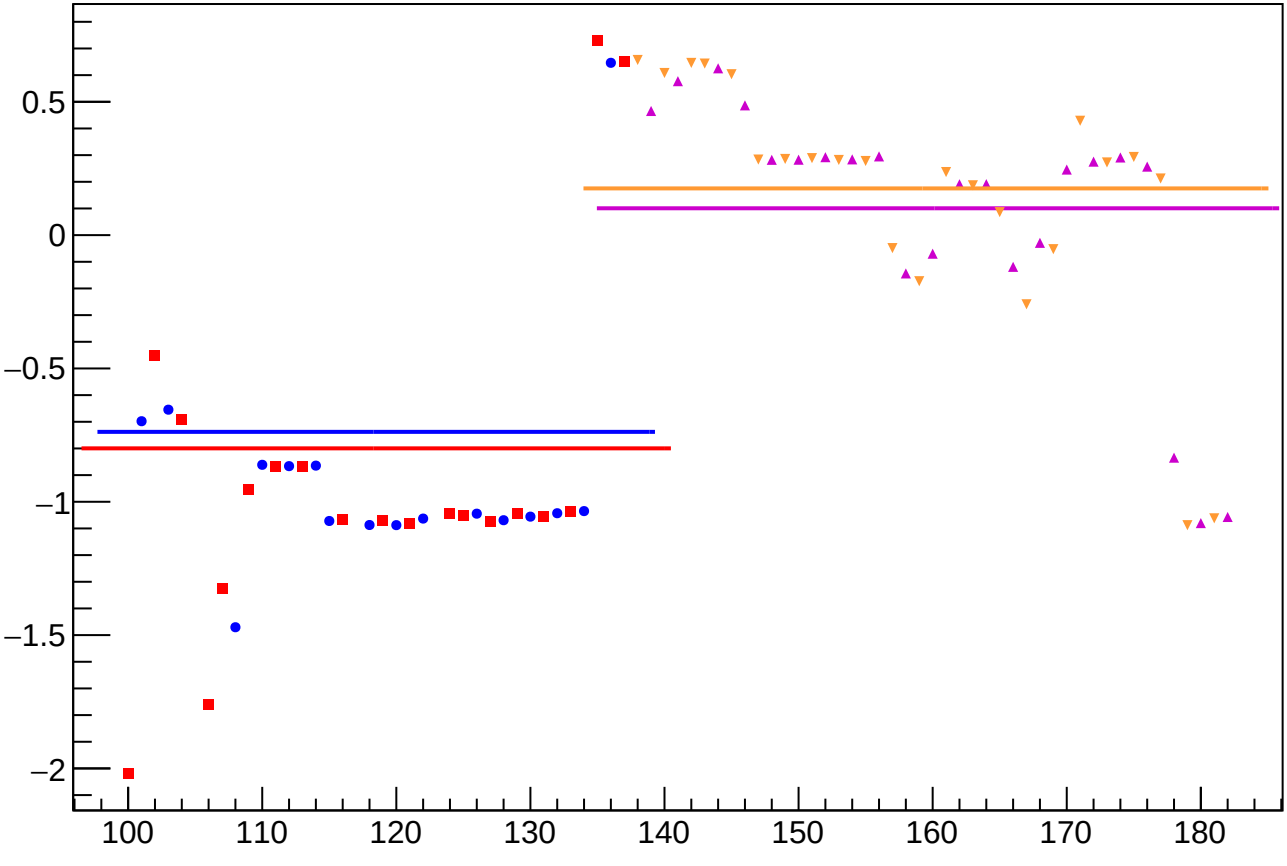
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5612110.1/37

Out: 0.012+/-0.000 χ^2/NDF:5150202.5/41

All: 0.012+/-0.000 χ^2/NDF: 10766100.0/79

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.175+/-0.000 χ^2/NDF:2642367133.7/22

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.101+/-0.000 χ^2/NDF:2951897891.4/21

Left: 0.138+/-0.000 χ^2/NDF: 5629359550.5/44

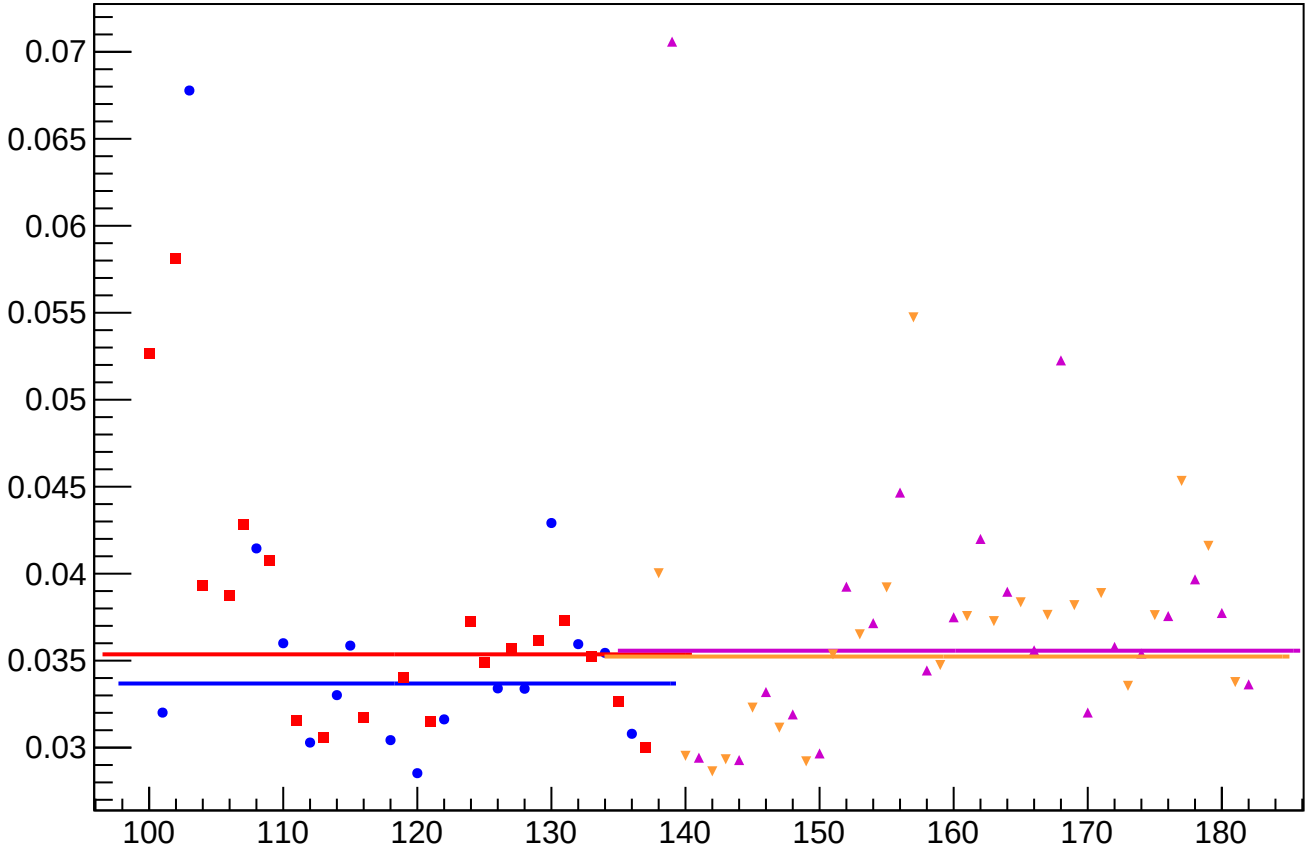
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.157+/-0.000 χ^2/NDF:7728851618.1/37

Out: -0.106+/-0.000 χ^2/NDF:8023547868.6/41

All: -0.132+/-0.000 χ^2/NDF: 15776008514.1/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.035+/-0.000 χ^2/NDF:606278.3/22

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.036+/-0.000 χ^2/NDF:960280.2/21

Left: 0.035+/-0.000 χ^2/NDF: 1567989.2/44

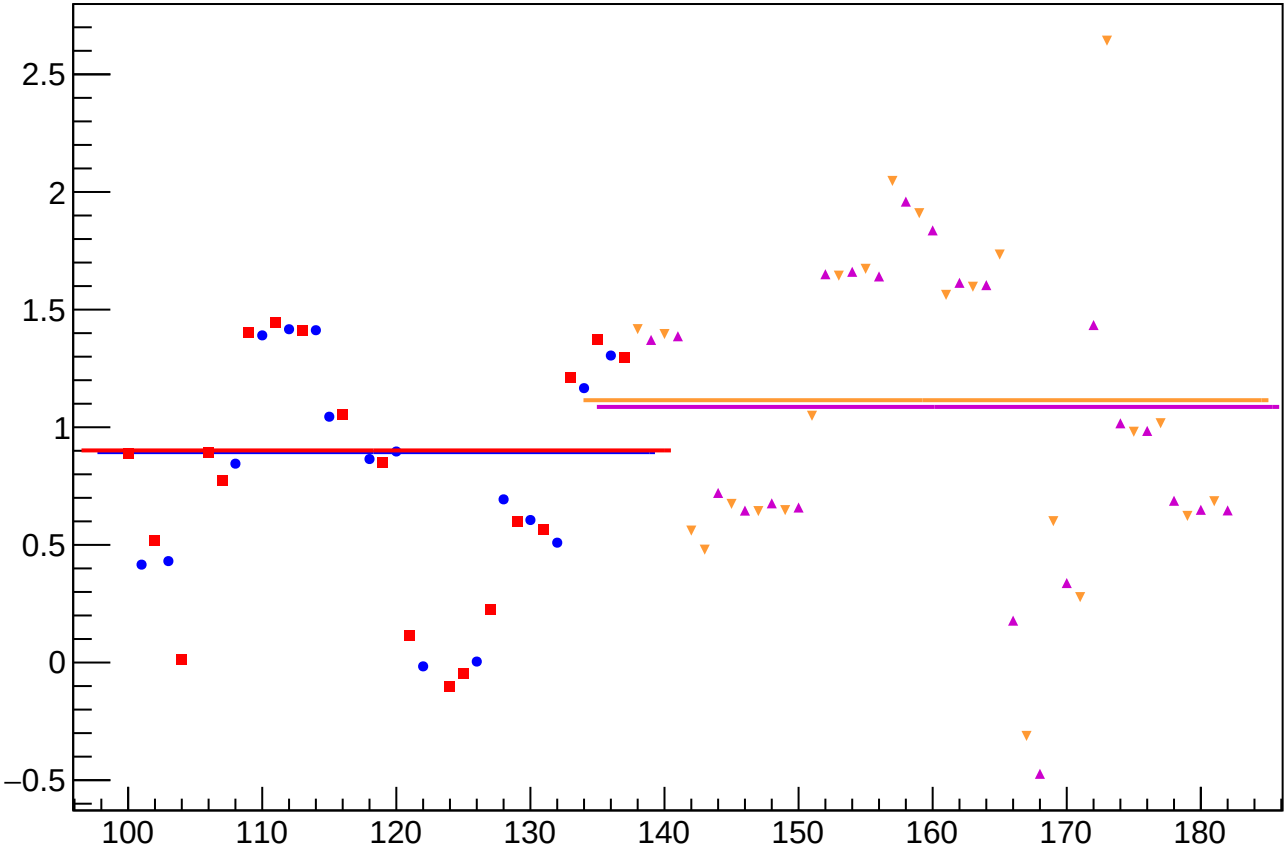
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.035+/-0.000 χ^2/NDF:1407878.7/37

Out: 0.035+/-0.000 χ^2/NDF:902751.4/41

All: 0.035+/-0.000 χ^2/NDF: 2312043.4/79

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.115+/-0.000 χ^2/NDF:91199979017.8/22

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.086+/-0.000 χ^2/NDF:73383214153.5/21

Left: 1.101+/-0.000 χ^2/NDF: 164668516899.8/44

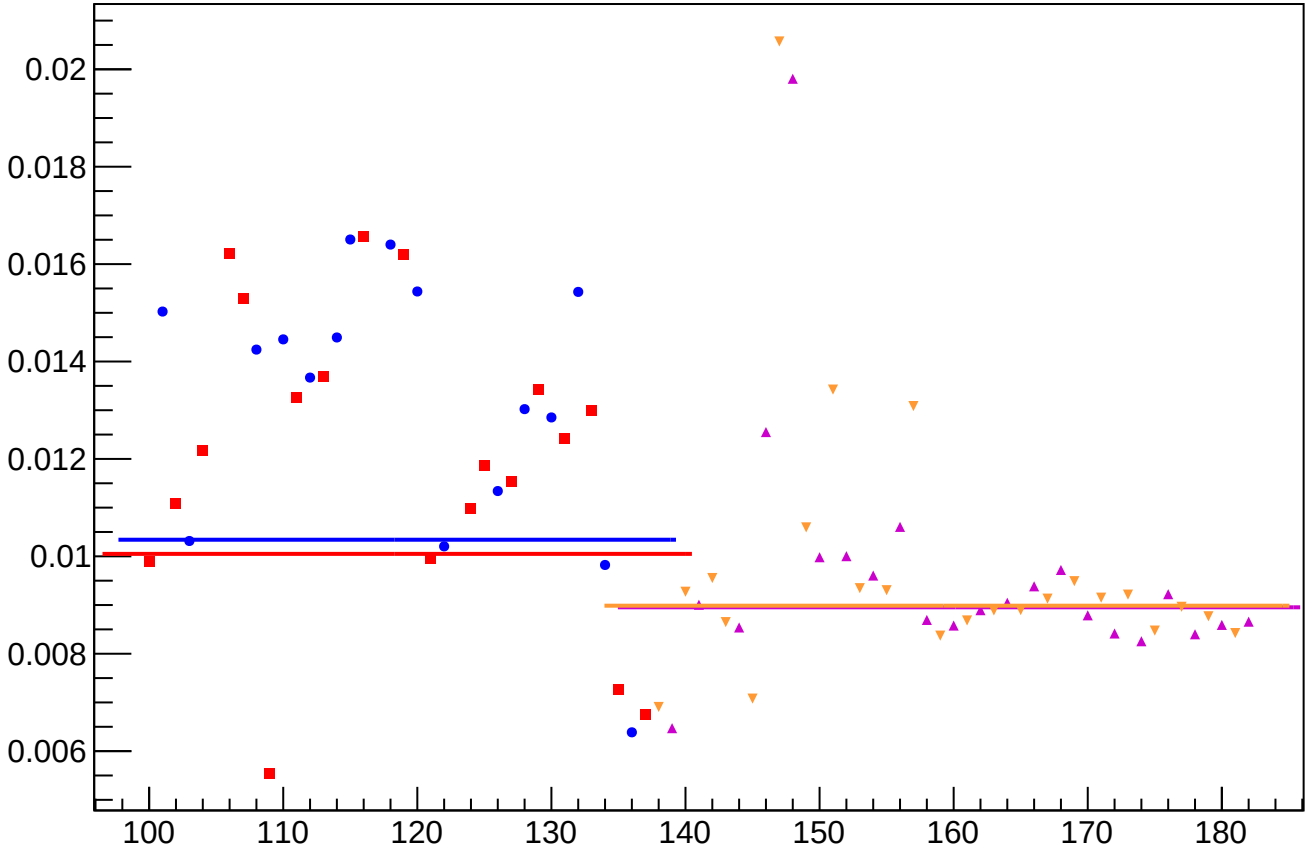
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.046+/-0.000 χ^2/NDF:87756783253.9/37

Out: 1.068+/-0.000 χ^2/NDF:111228597408.2/41

All: 1.057+/-0.000 χ^2/NDF: 199048541992.9

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:1144831.8/22

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:966027.3/21

Left: 0.009+/-0.000 χ^2/NDF: 2111090.7/44

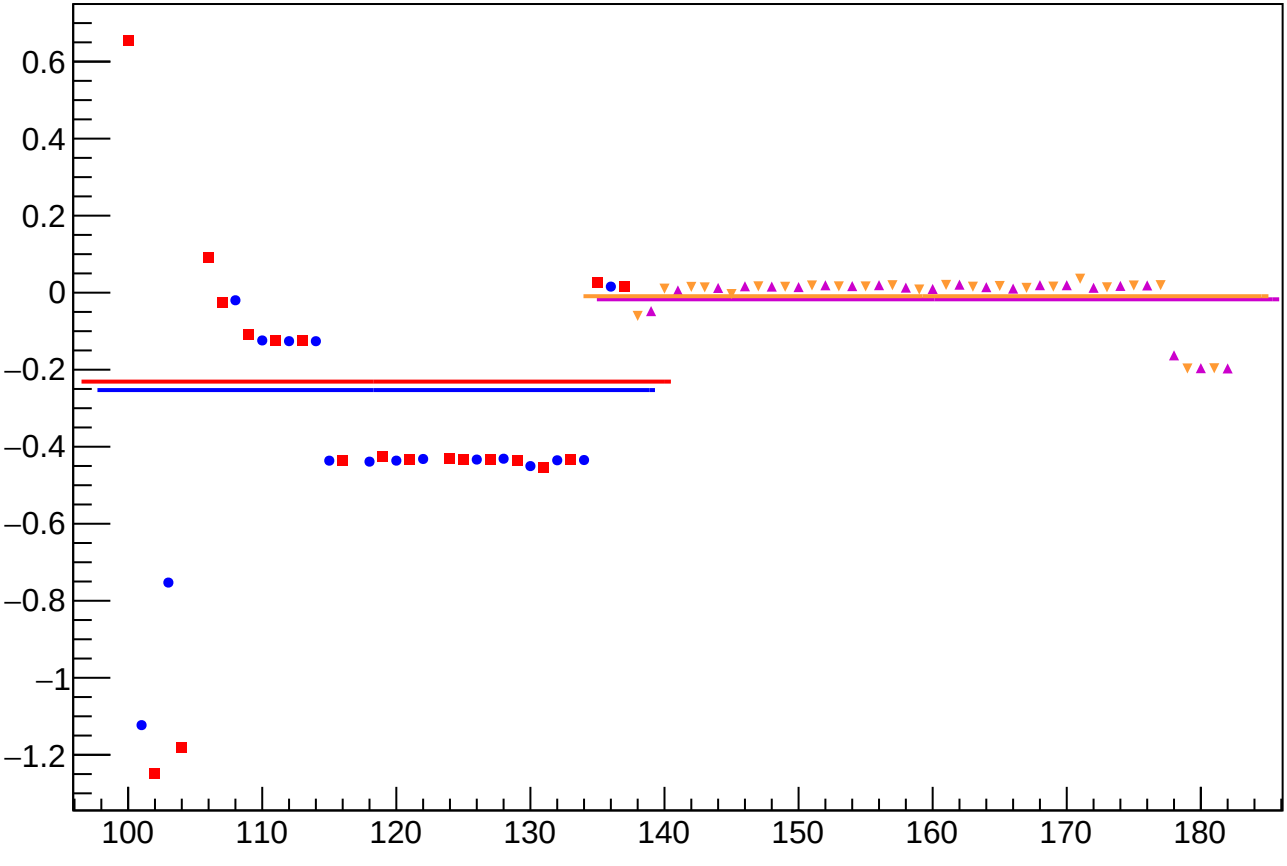
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2485865.0/37

Out: 0.009+/-0.000 χ^2/NDF:2587790.2/41

All: 0.009+/-0.000 χ^2/NDF: 5073805.7/79

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:745580254.7/22

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: -0.017+/-0.000 χ^2/NDF:901301200.3/21

Left: -0.013+/-0.000 χ^2/NDF: 1652264911.6/44

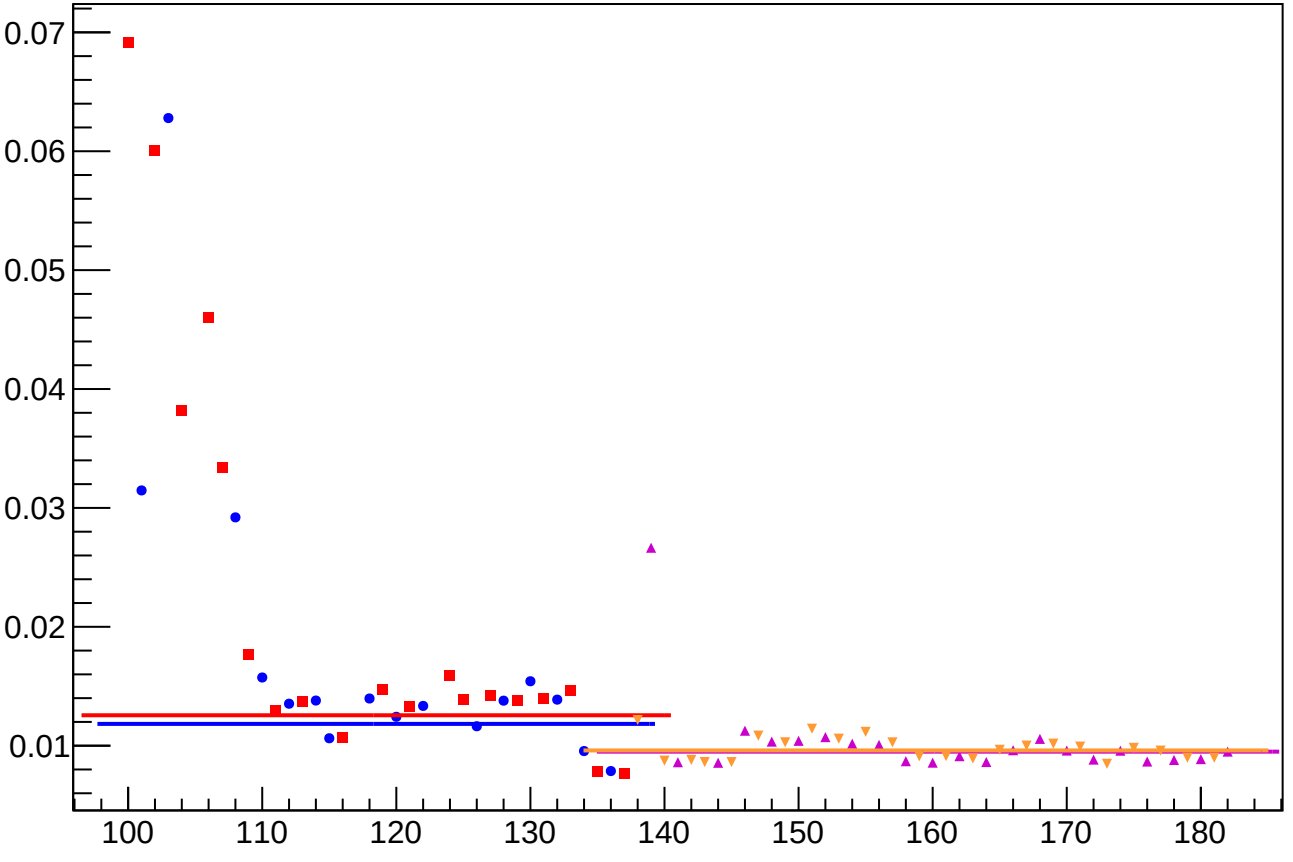
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.059+/-0.000 χ^2/NDF:4551721882.6/37

Out: -0.044+/-0.000 χ^2/NDF:3866840941.3/41

All: -0.052+/-0.000 χ^2/NDF: 8438926337.3/7

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:269830.3/22

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.009+/-0.000 χ^2/NDF:900432.4/21

Left: 0.010+/-0.000 χ^2/NDF: 1172001.7/44

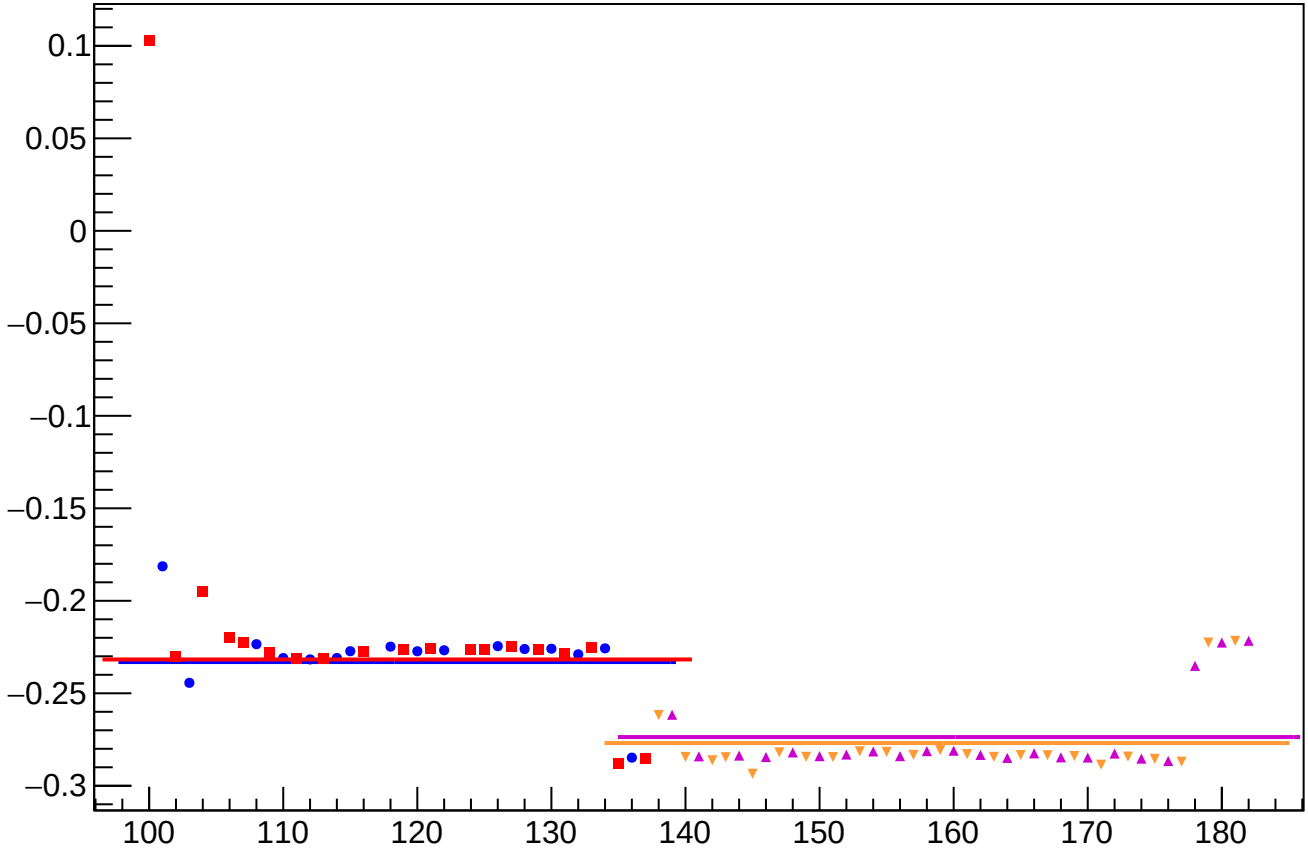
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3161917.6/37

Out: 0.010+/-0.000 χ^2/NDF:2954512.9/41

All: 0.010+/-0.000 χ^2/NDF: 6121676.9/79

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.277+/-0.000 χ^2/NDF:279740537.9/22

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.274+/-0.000 χ^2/NDF:304256619.9/21

Left: -0.275+/-0.000 χ^2/NDF: 587513766.5/44

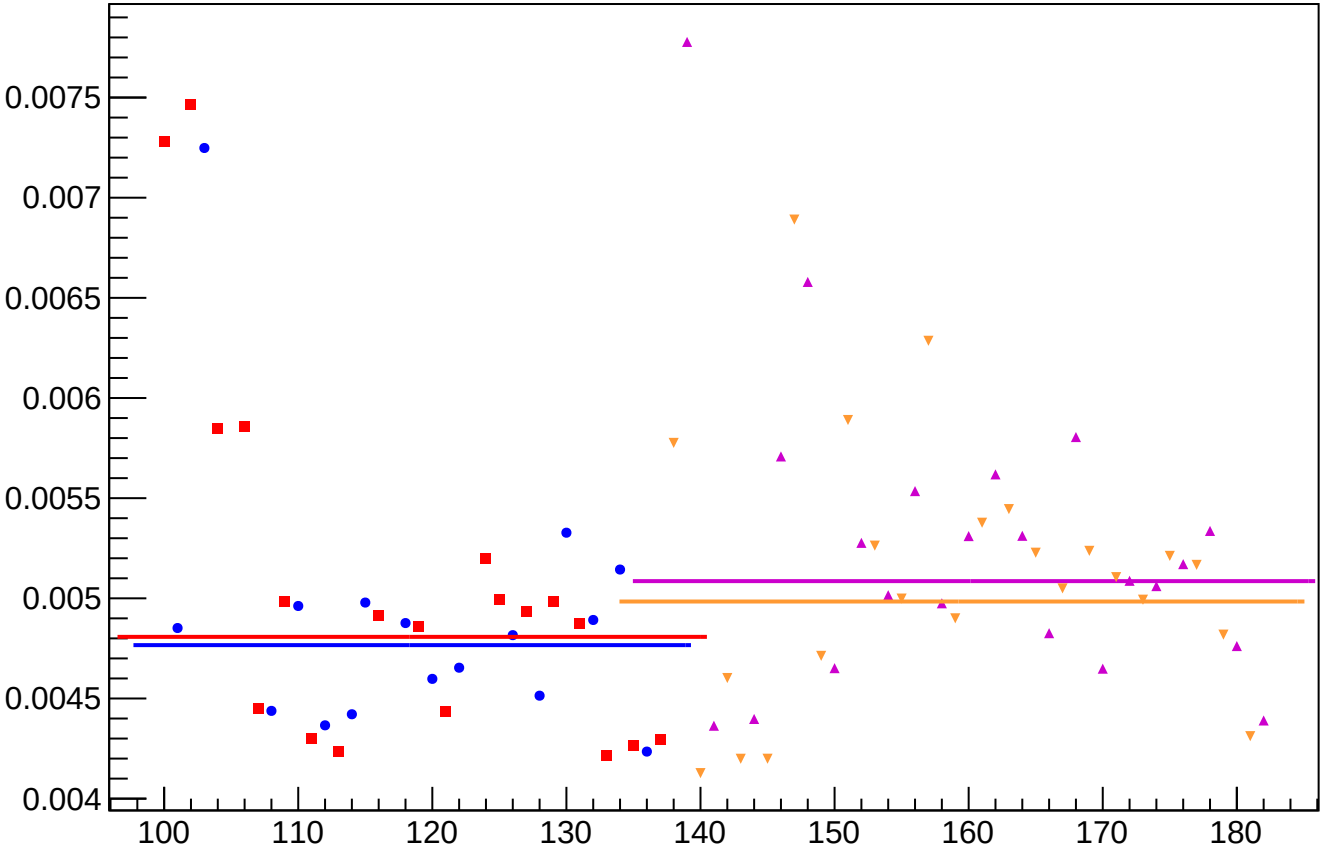
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.261+/-0.000 χ^2/NDF:828343707.9/37

Out: -0.263+/-0.000 χ^2/NDF:983518661.2/41

All: -0.262+/-0.000 χ^2/NDF: 1813992727.0/7

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:504740.5/22

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:517901.6/21

Left: 0.005+/-0.000 χ^2/NDF: 1029584.2/44

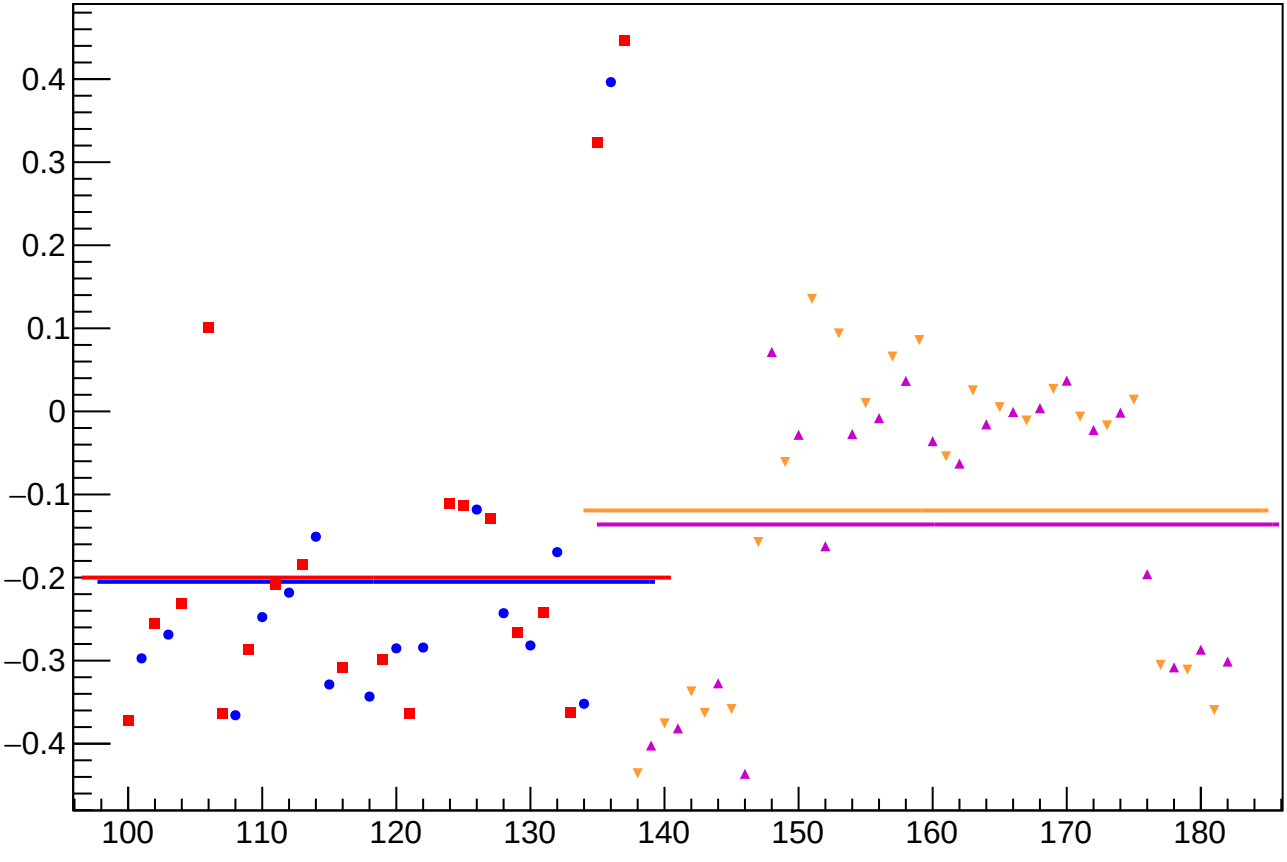
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:750014.8/37

Out: 0.005+/-0.000 χ^2/NDF:811186.9/41

All: 0.005+/-0.000 χ^2/NDF: 1564358.8/79

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.119+/-0.000 χ^2/NDF:19939038478.8/22

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.136+/-0.000 χ^2/NDF:14619645737.6/21

Left: -0.128+/-0.000 χ^2/NDF: 34638787497.3/44

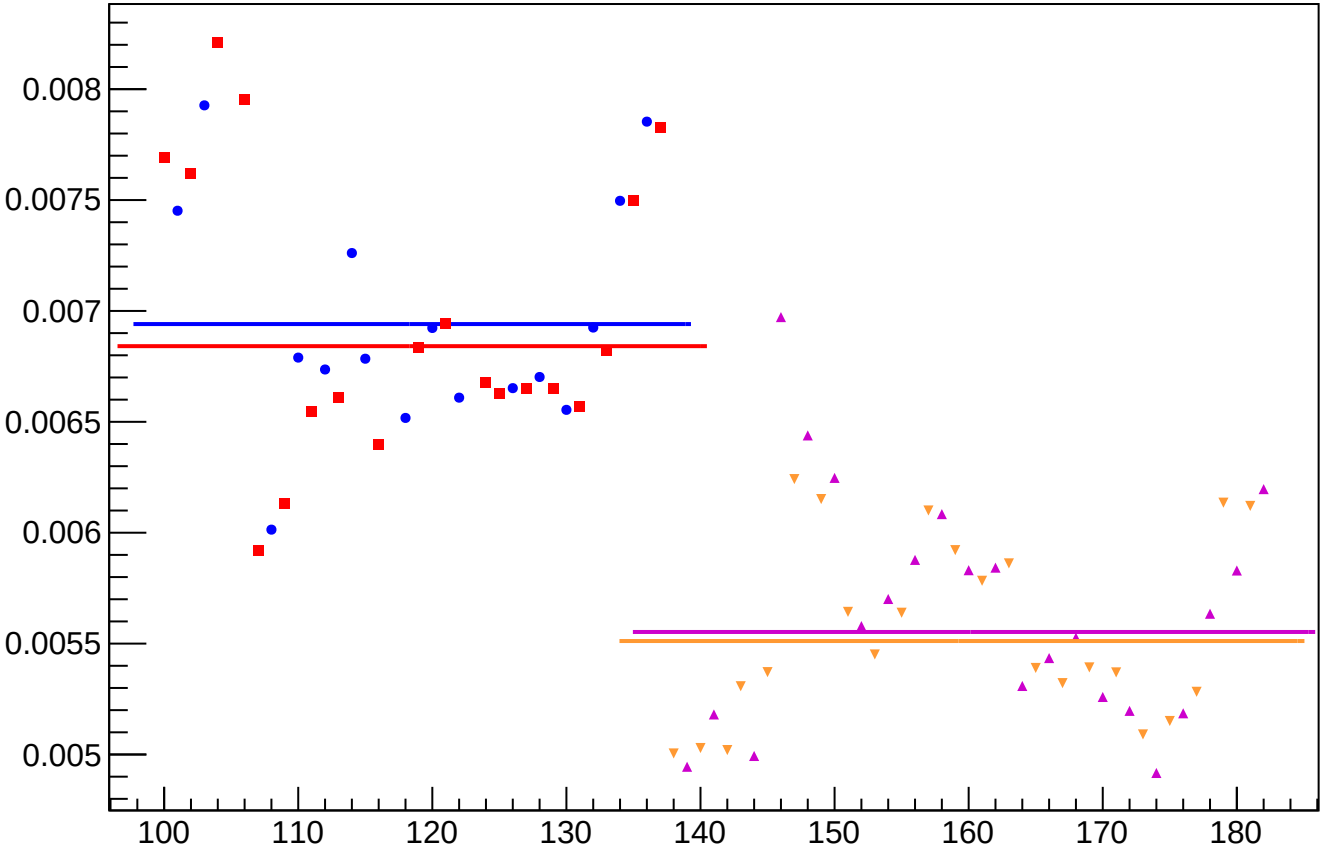
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.151+/-0.000 χ^2/NDF:21358527198.6/37

Out: -0.136+/-0.000 χ^2/NDF:25982240708.5/41

All: -0.143+/-0.000 χ^2/NDF: 47412224185.5/

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:169511.8/22

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:258259.6/21

Left: 0.006+/-0.000 χ^2/NDF: 428706.5/44

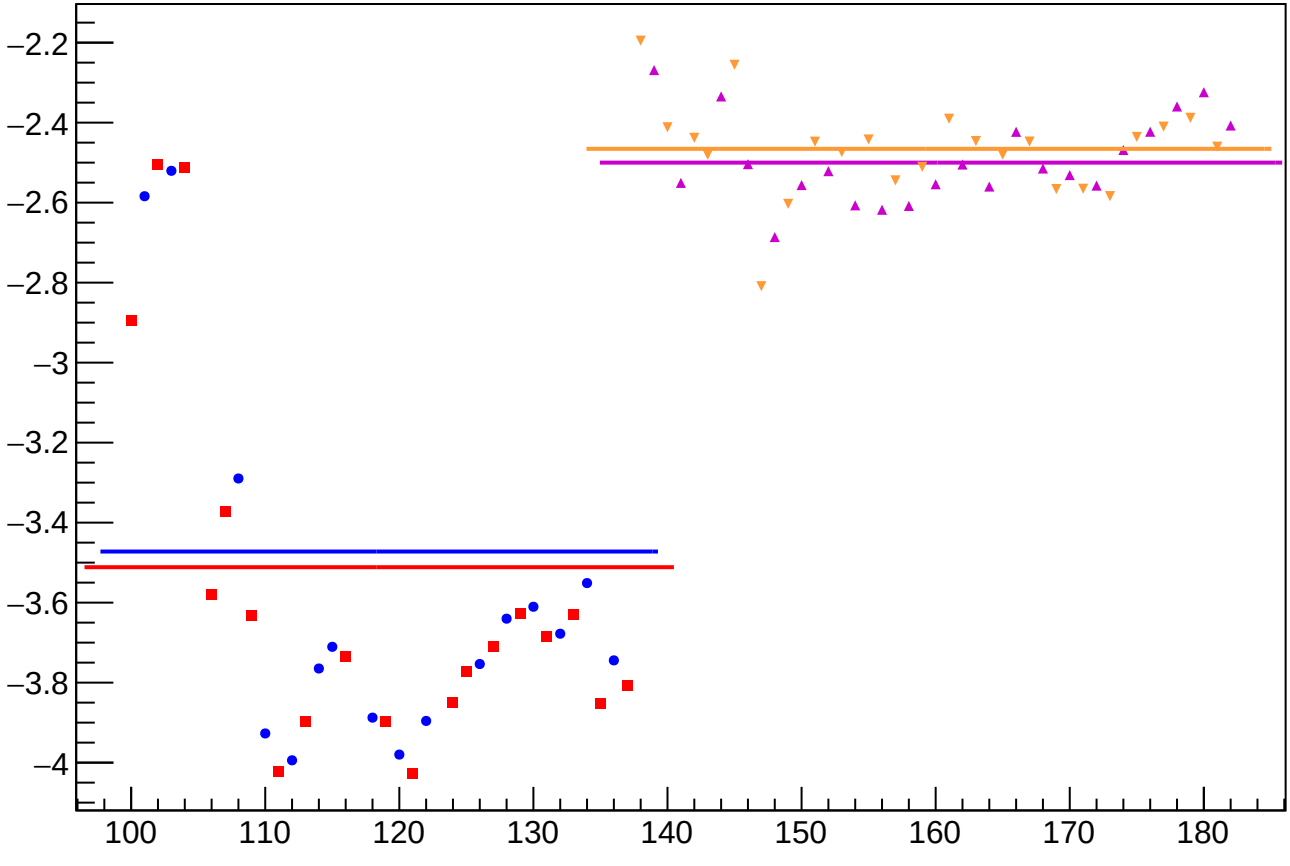
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:788436.6/37

Out: 0.006+/-0.000 χ^2/NDF:698518.3/41

All: 0.006+/-0.000 χ^2/NDF: 1488673.0/79

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.466+/-0.000 χ^2/NDF:2158798749.0/22

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.500+/-0.000 χ^2/NDF:2260791338.5/21

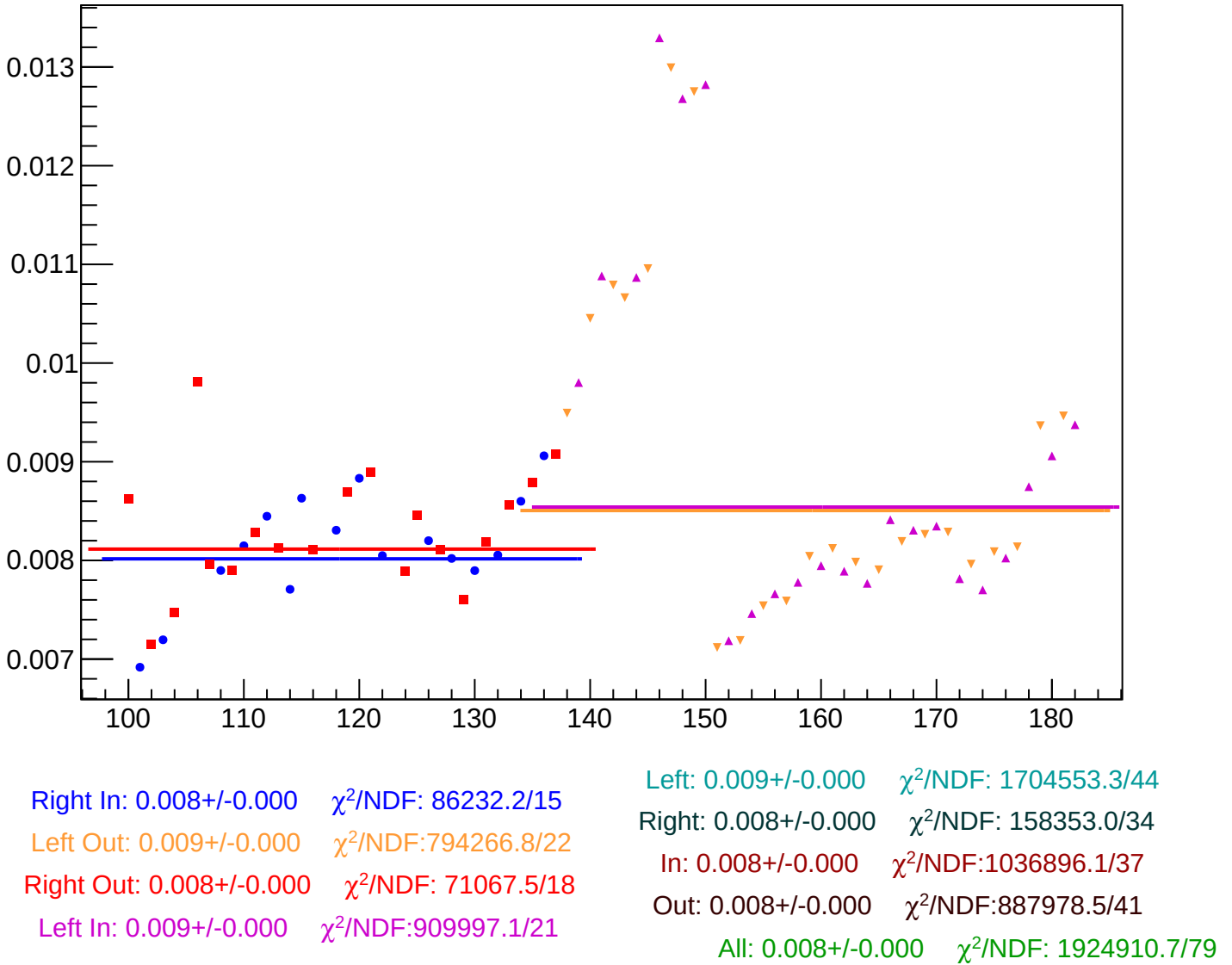
Left: -2.483+/-0.000 χ^2/NDF: 4557743802.9/44

Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

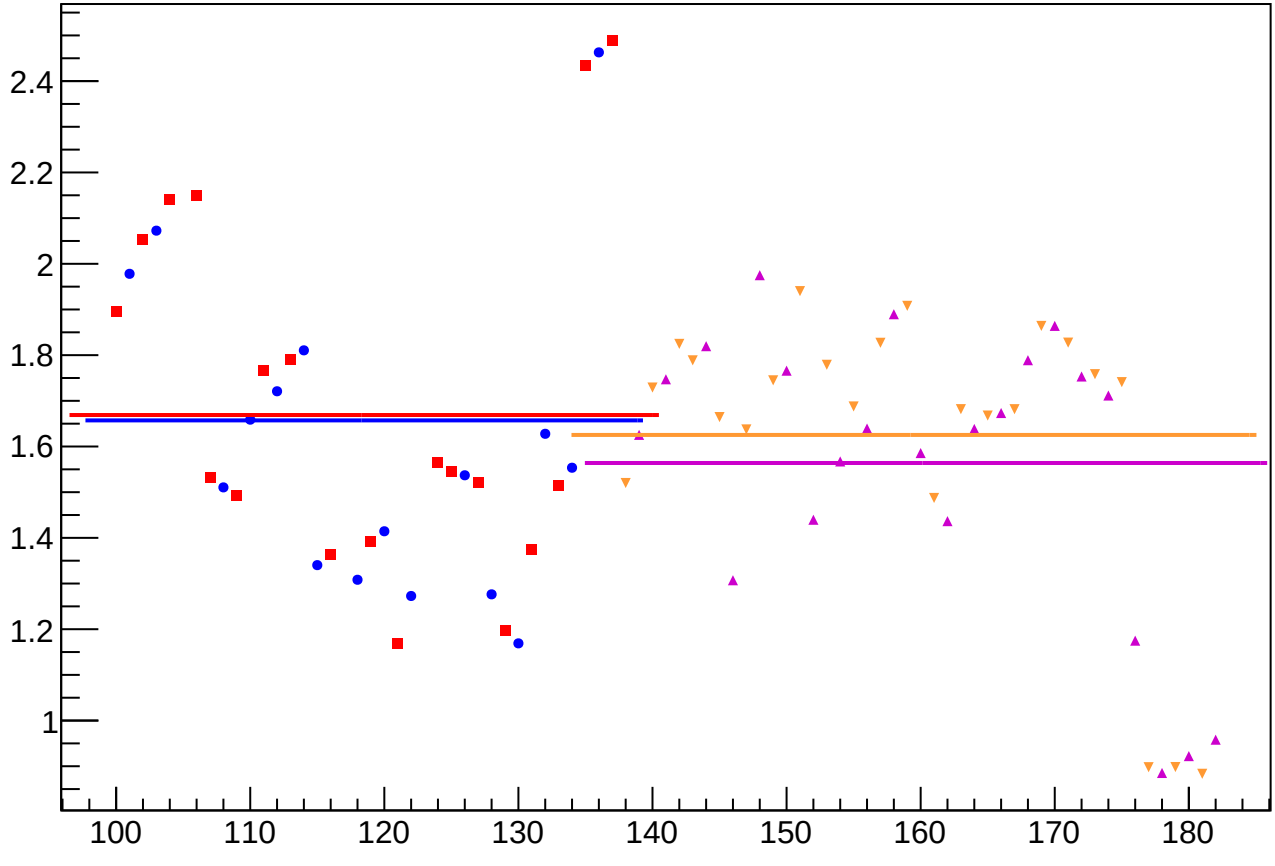
In: -2.812+/-0.000 χ^2/NDF:101672437347.5/37

Out: -2.794+/-0.000 χ^2/NDF:112937287587.2/41

All: -2.803+/-0.000 χ^2/NDF: 214663556426.8


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
170
180
Right In: 0.008+/-0.000 χ²/NDF: 86232.2/15
Left Out: 0.009+/-0.000 χ²/NDF:794266.8/22
Right Out: 0.008+/-0.000 χ²/NDF: 71067.5/18
Left In: 0.009+/-0.000 χ²/NDF:909997.1/21
Left: 0.009+/-0.000 χ²/NDF: 1704553.3/44
Right: 0.008+/-0.000 χ²/NDF: 158353.0/34
In: 0.008+/-0.000 χ²/NDF:1036896.1/37
Out: 0.008+/-0.000 χ²/NDF:887978.5/41
All: 0.008+/-0.000 χ²/NDF: 1924910.7/79

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.625+/-0.000 χ^2/NDF:13360446048.0/22

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.564+/-0.000 χ^2/NDF:12895662135.9/21

Left: 1.595+/-0.000 χ^2/NDF: 26515560669.9/44

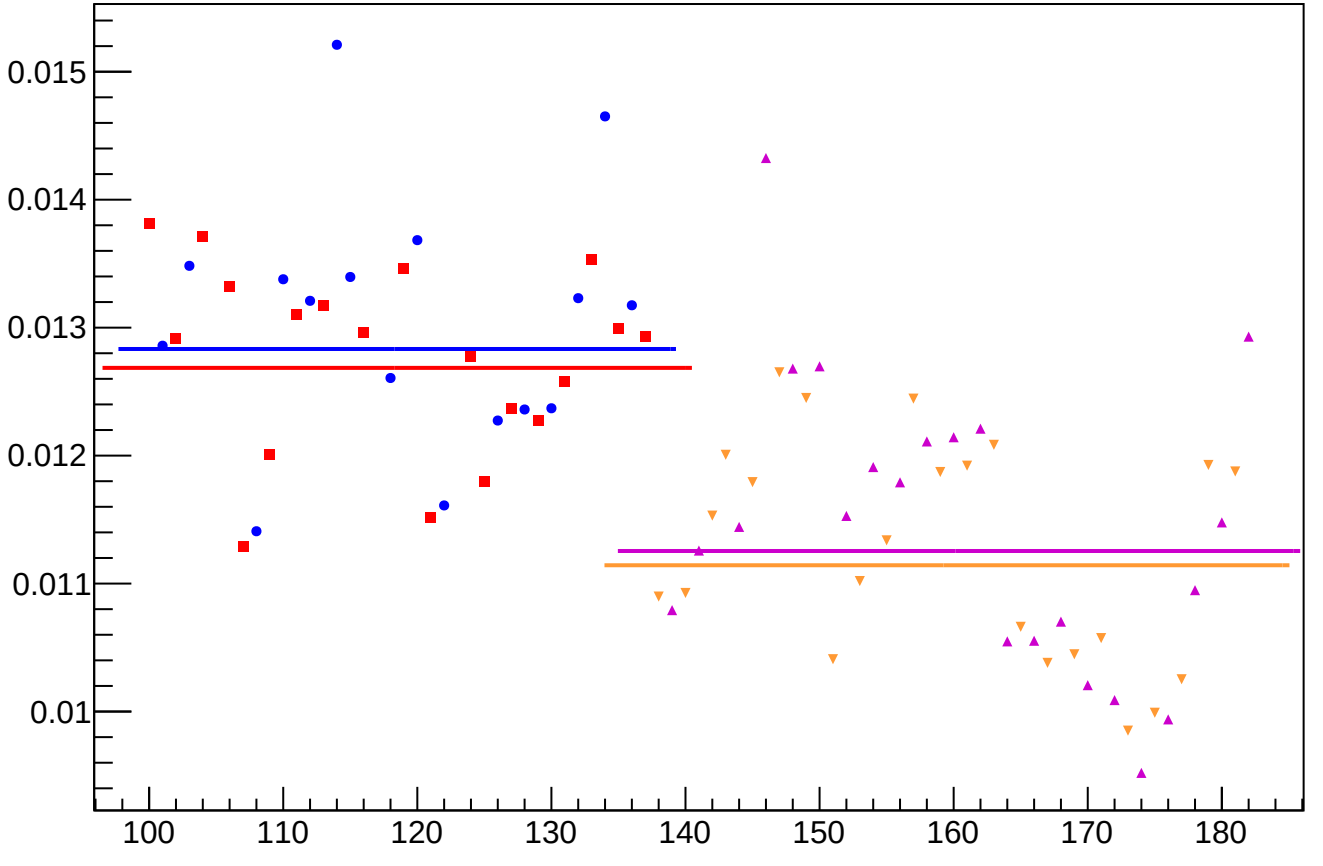
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.586+/-0.000 χ^2/NDF:19843316556.9/37

Out: 1.636+/-0.000 χ^2/NDF:19782673490.9/41

All: 1.612+/-0.000 χ^2/NDF: 39848217844.4/7

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:197839.5/22

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:310626.1/21

Left: 0.011+/-0.000 χ^2/NDF: 510173.7/44

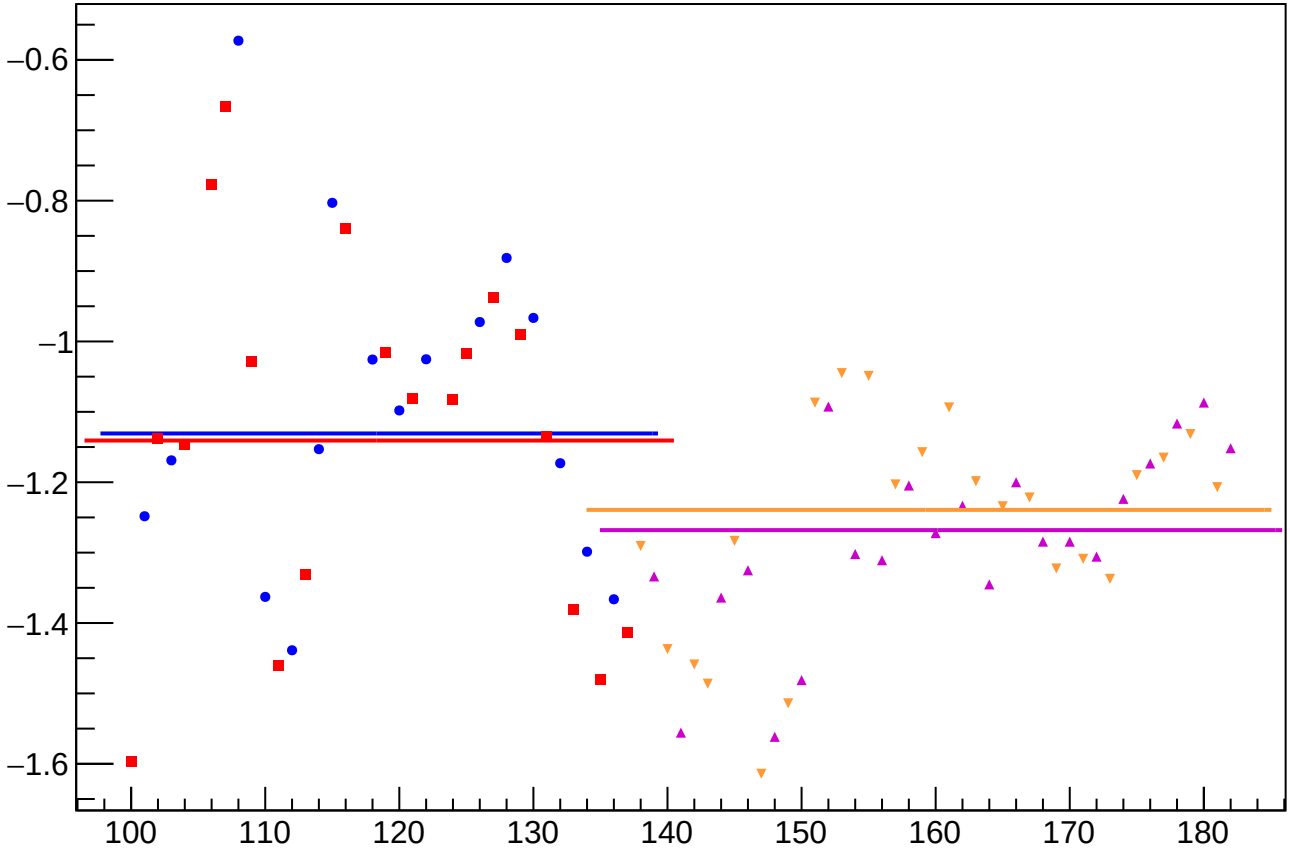
Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:524438.7/37

Out: 0.012+/-0.000 χ^2/NDF:402900.9/41

All: 0.012+/-0.000 χ^2/NDF: 929884.3/79

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.239+/-0.000 χ^2/NDF:4928175402.4/22

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.268+/-0.000 χ^2/NDF:3640998167.5/21

Left: -1.253+/-0.000 χ^2/NDF: 8676465954.7/44

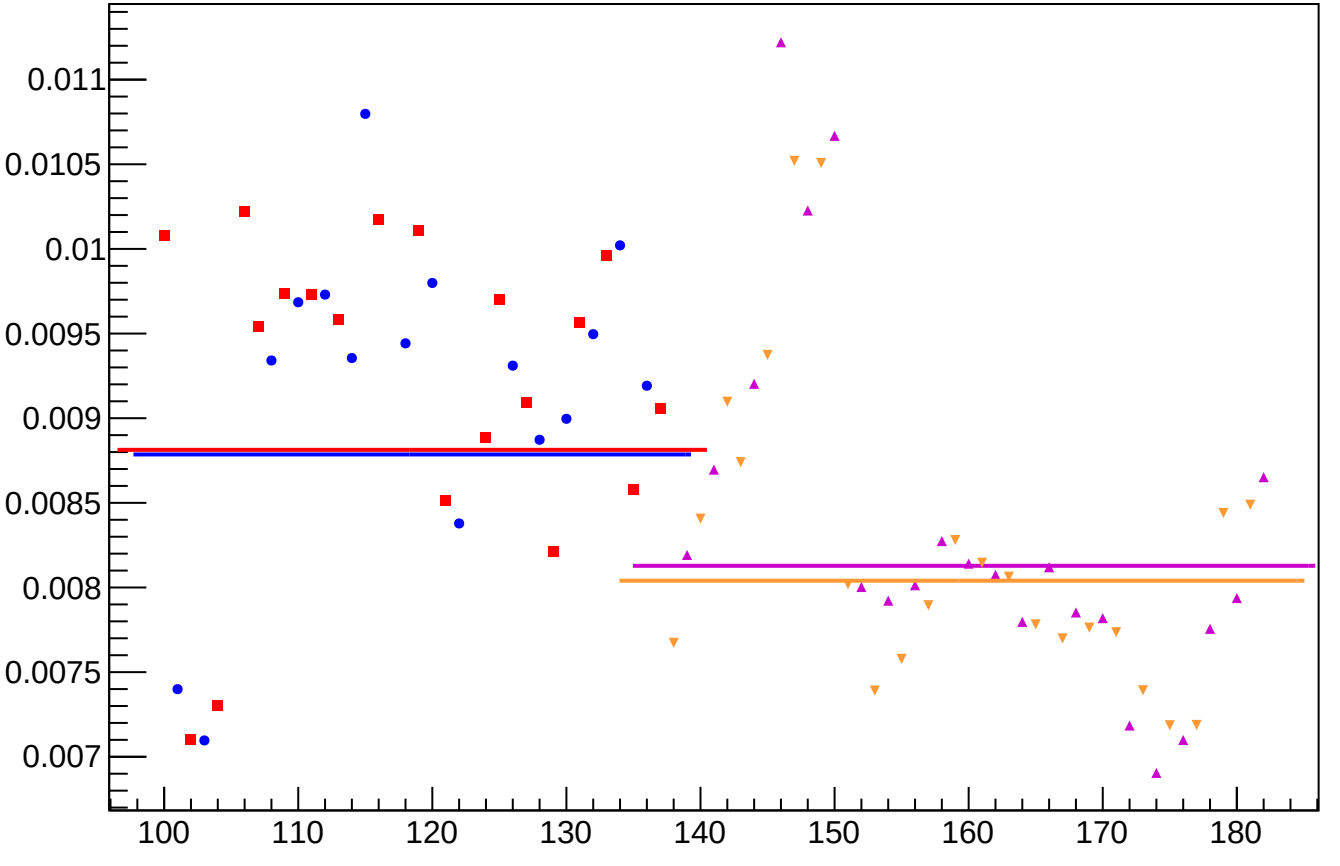
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.233+/-0.000 χ^2/NDF:8671747665.8/37

Out: -1.214+/-0.000 χ^2/NDF:9119759188.0/41

All: -1.223+/-0.000 χ^2/NDF: 17849246216.4/

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:302893.9/22

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:409019.2/21

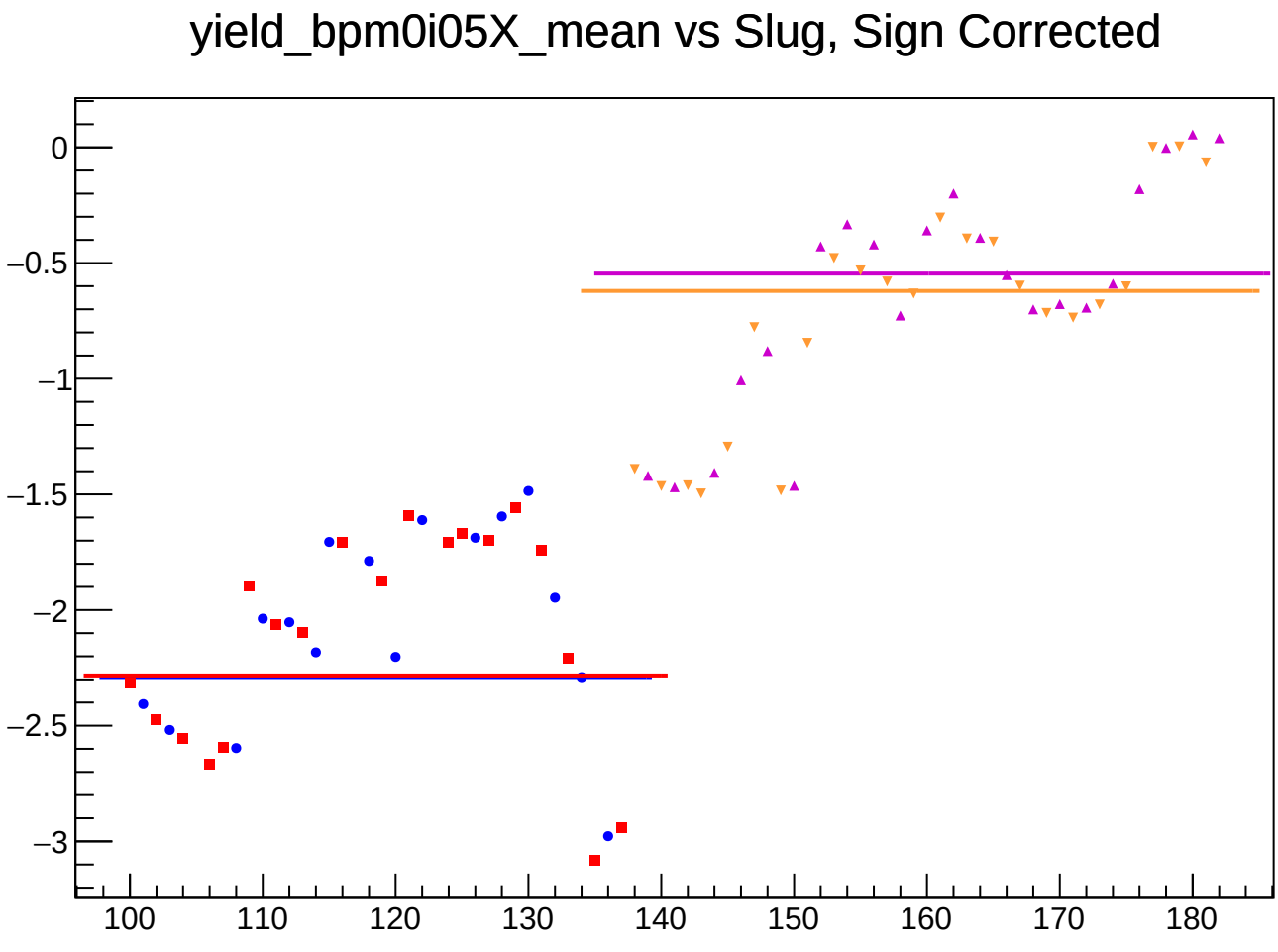
Left: 0.008+/-0.000 χ^2/NDF: 713926.3/44

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.008+/-0.000 χ^2/NDF:639422.8/37

Out: 0.008+/-0.000 χ^2/NDF:587118.8/41

All: 0.008+/-0.000 χ^2/NDF: 1227902.9/79



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.621+/-0.000 χ^2/NDF:65367697134.9/22

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -0.546+/-0.000 χ^2/NDF:68227937114.4/21

Left: -0.583+/-0.000 χ^2/NDF: 134620792425.2/44

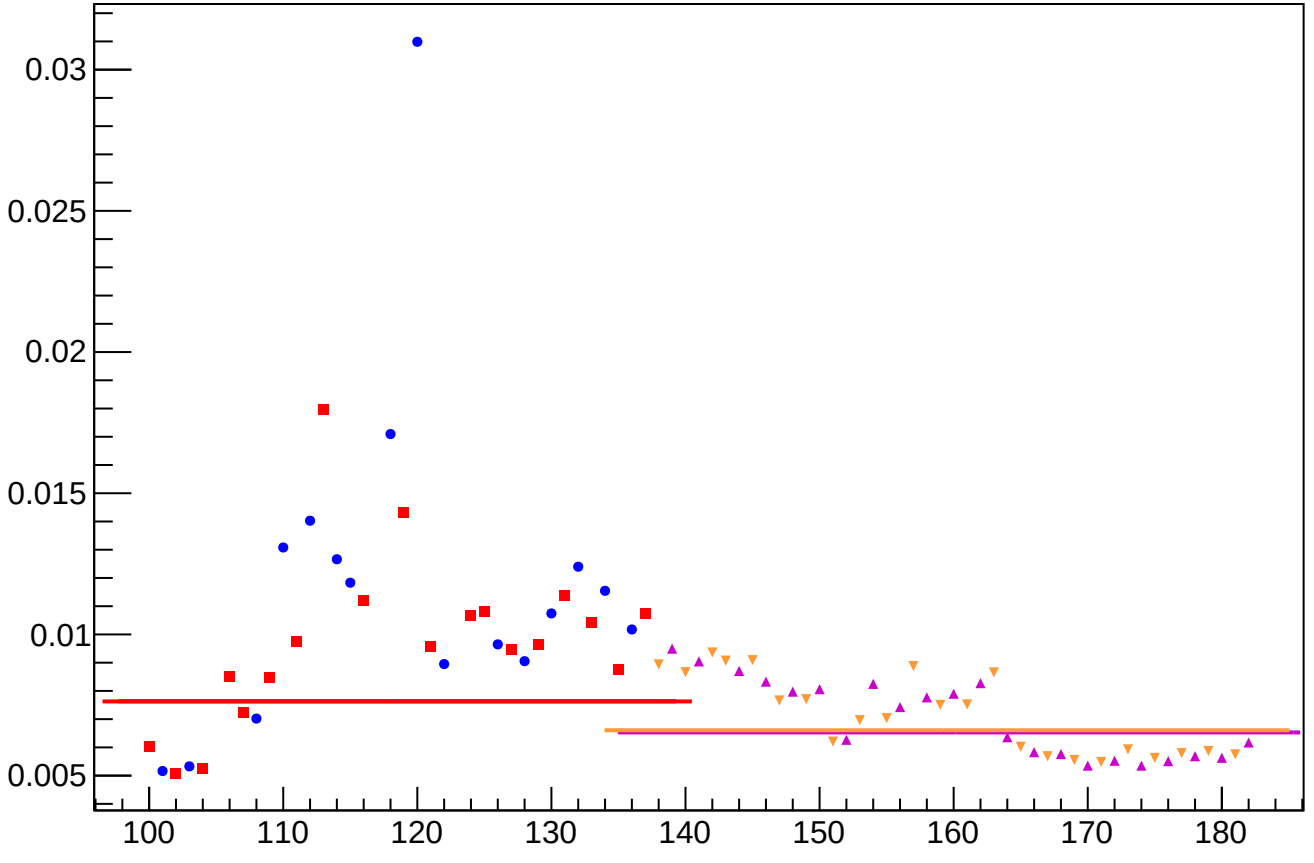
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -0.882+/-0.000 χ^2/NDF:297719960354.2/37

Out: -0.966+/-0.000 χ^2/NDF:290953337045.6/41

All: -0.924+/-0.000 χ^2/NDF: 590298479484.8

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1058327.2/22

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:1150284.9/21

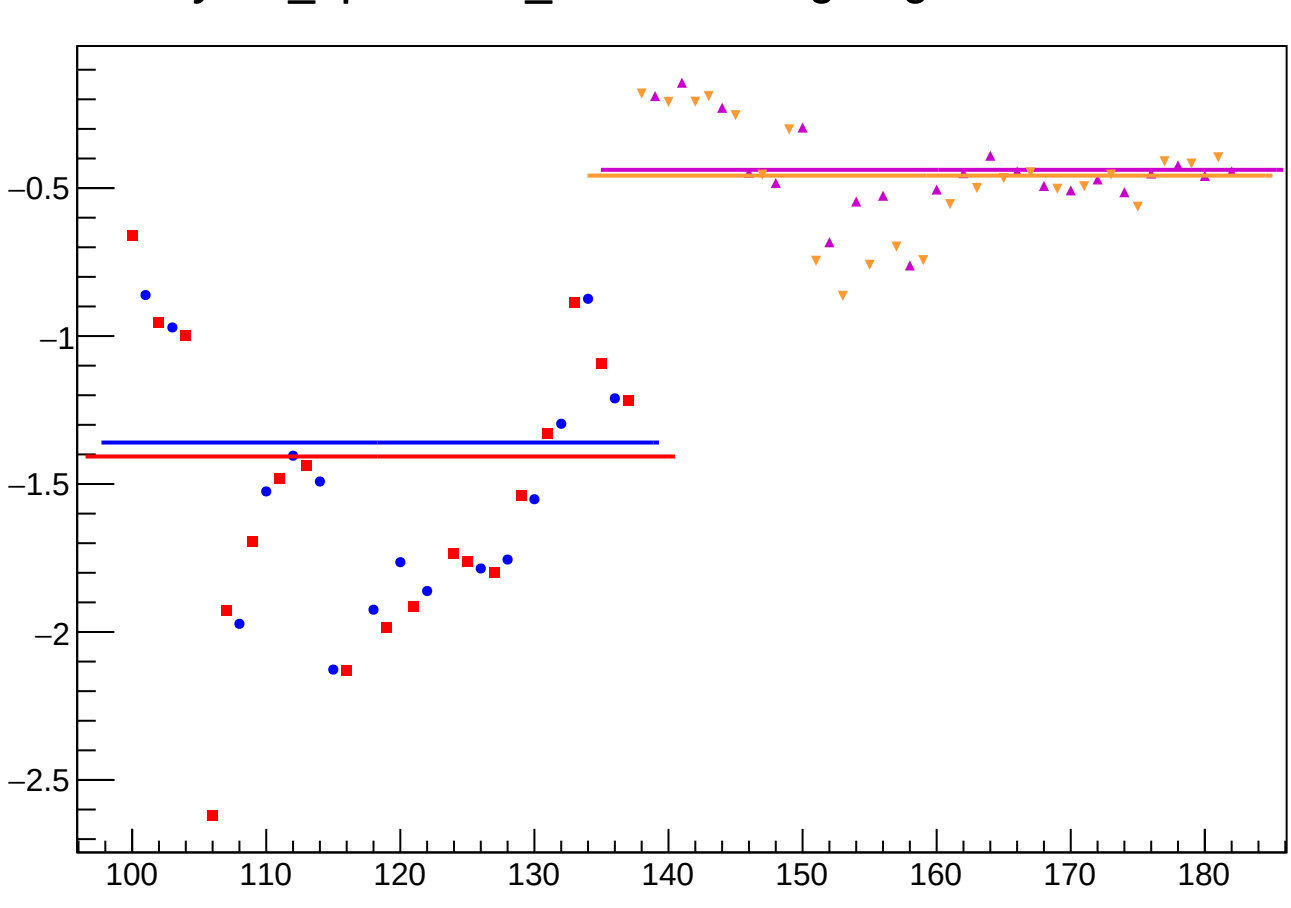
Left: 0.007+/-0.000 χ^2/NDF: 2210717.8/44

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

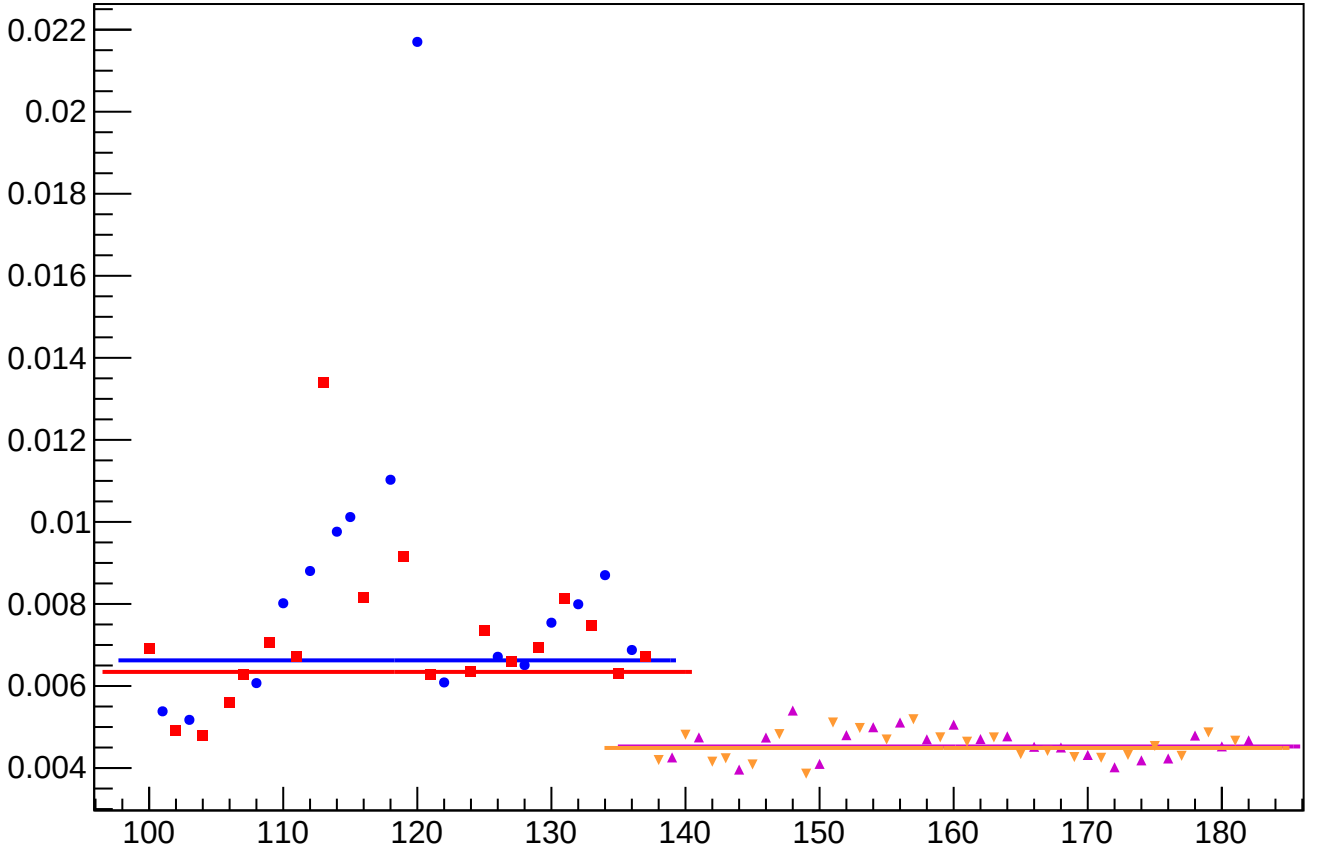
In: 0.007+/-0.000 χ^2/NDF:3032306.6/37

Out: 0.007+/-0.000 χ^2/NDF:2533452.7/41

All: 0.007+/-0.000 χ^2/NDF: 5568379.3/79


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.458+/-0.000 χ²/NDF:28765336633.9/22
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.438+/-0.000 χ²/NDF:16454440541.3/21
Left: -0.448+/-0.000 χ²/NDF: 45374804451.8/44
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.569+/-0.000 χ²/NDF:134103376590.3/37
Out: -0.605+/-0.000 χ²/NDF:174330106818.1/41
All: -0.587+/-0.000 χ²/NDF: 309068644710.8

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:184911.6/22

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:210034.8/21

Left: 0.005+/-0.000 χ^2/NDF: 395986.3/44

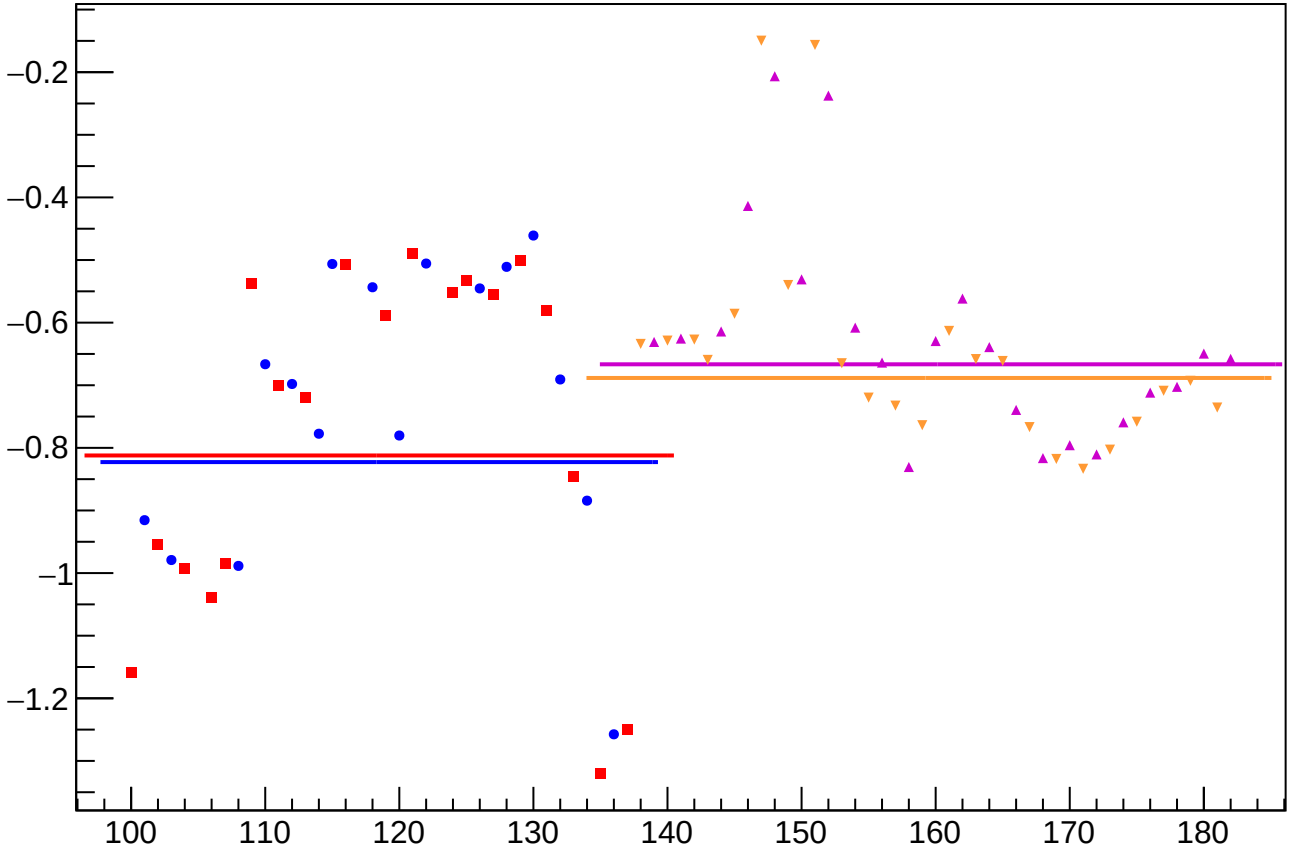
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1902013.5/37

Out: 0.005+/-0.000 χ^2/NDF:1596999.4/41

All: 0.005+/-0.000 χ^2/NDF: 3500953.2/79

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.688+/-0.000 χ^2/NDF:22432349024.5/22

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.667+/-0.000 χ^2/NDF:22524932208.0/21

Left: -0.677+/-0.000 χ^2/NDF: 45177521757.8/44

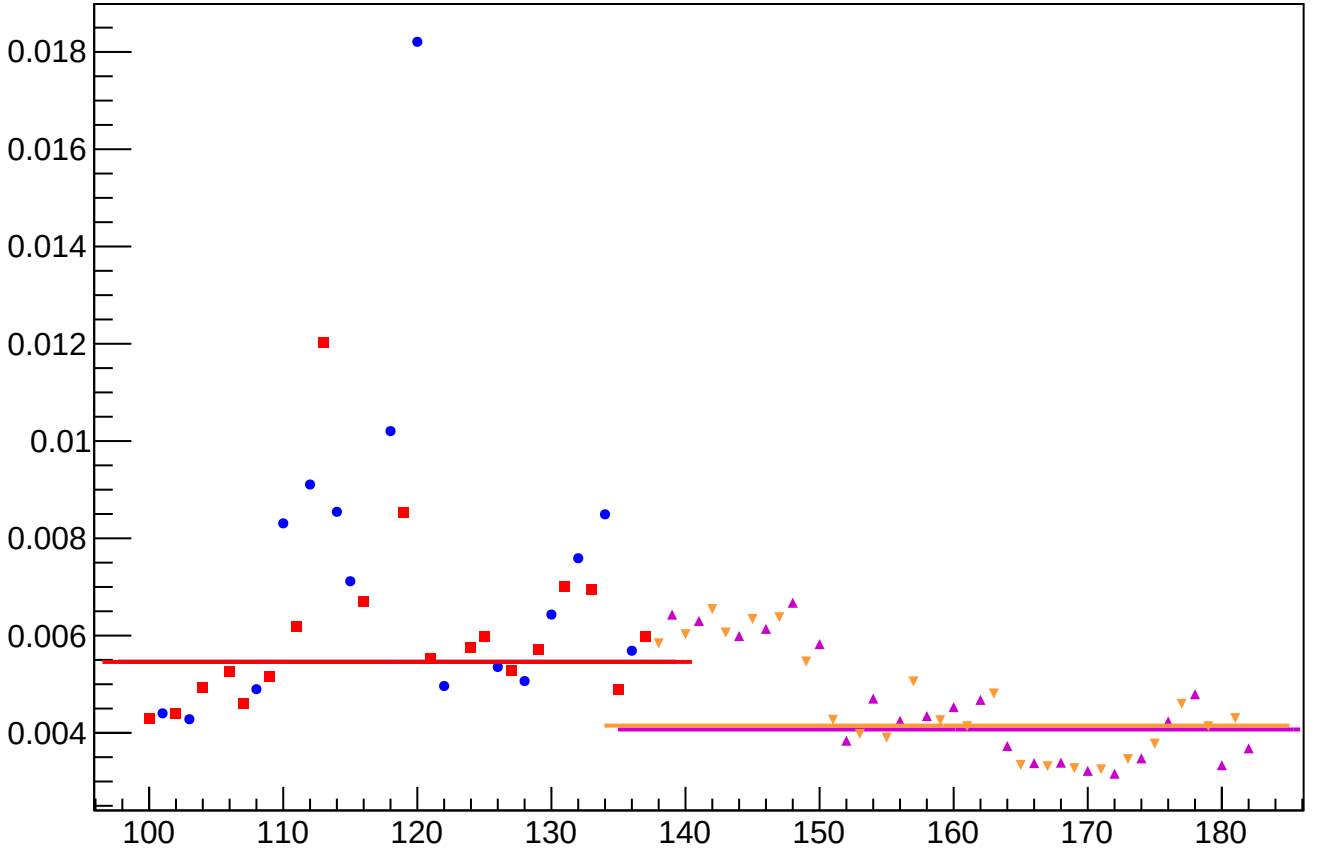
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.692+/-0.000 χ^2/NDF:38514102947.6/37

Out: -0.711+/-0.000 χ^2/NDF:39790258625.8/41

All: -0.701+/-0.000 χ^2/NDF: 78494965156.2/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1504992.0/22

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1748932.1/21

Left: 0.004+/-0.000 χ^2/NDF: 3259805.0/44

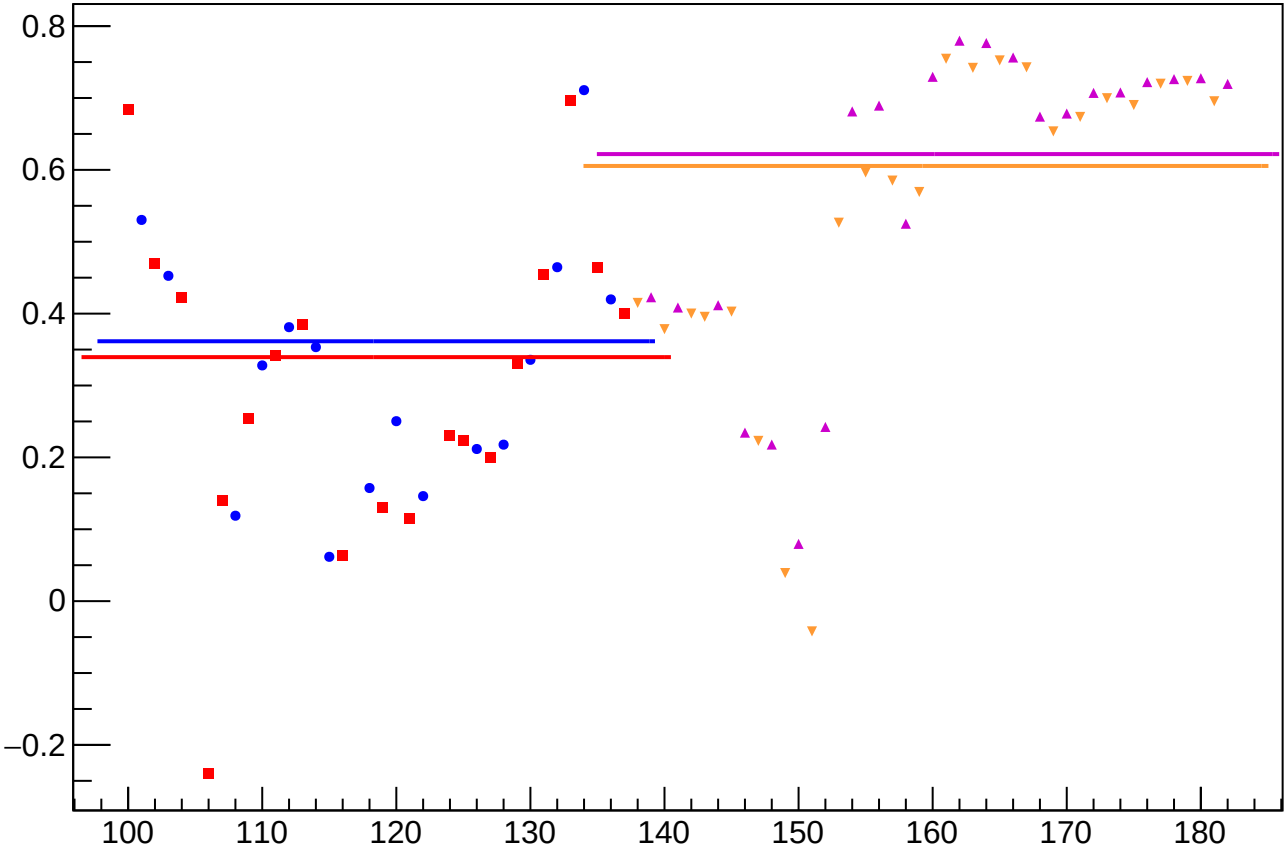
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.004+/-0.000 χ^2/NDF:3309850.4/37

Out: 0.004+/-0.000 χ^2/NDF:2579349.2/41

All: 0.004+/-0.000 χ^2/NDF: 5897605.6/79

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.605+/-0.000 χ^2/NDF:44379852114.7/22

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.622+/-0.000 χ^2/NDF:39904420324.5/21

Left: 0.614+/-0.000 χ^2/NDF: 84455702557.4/44

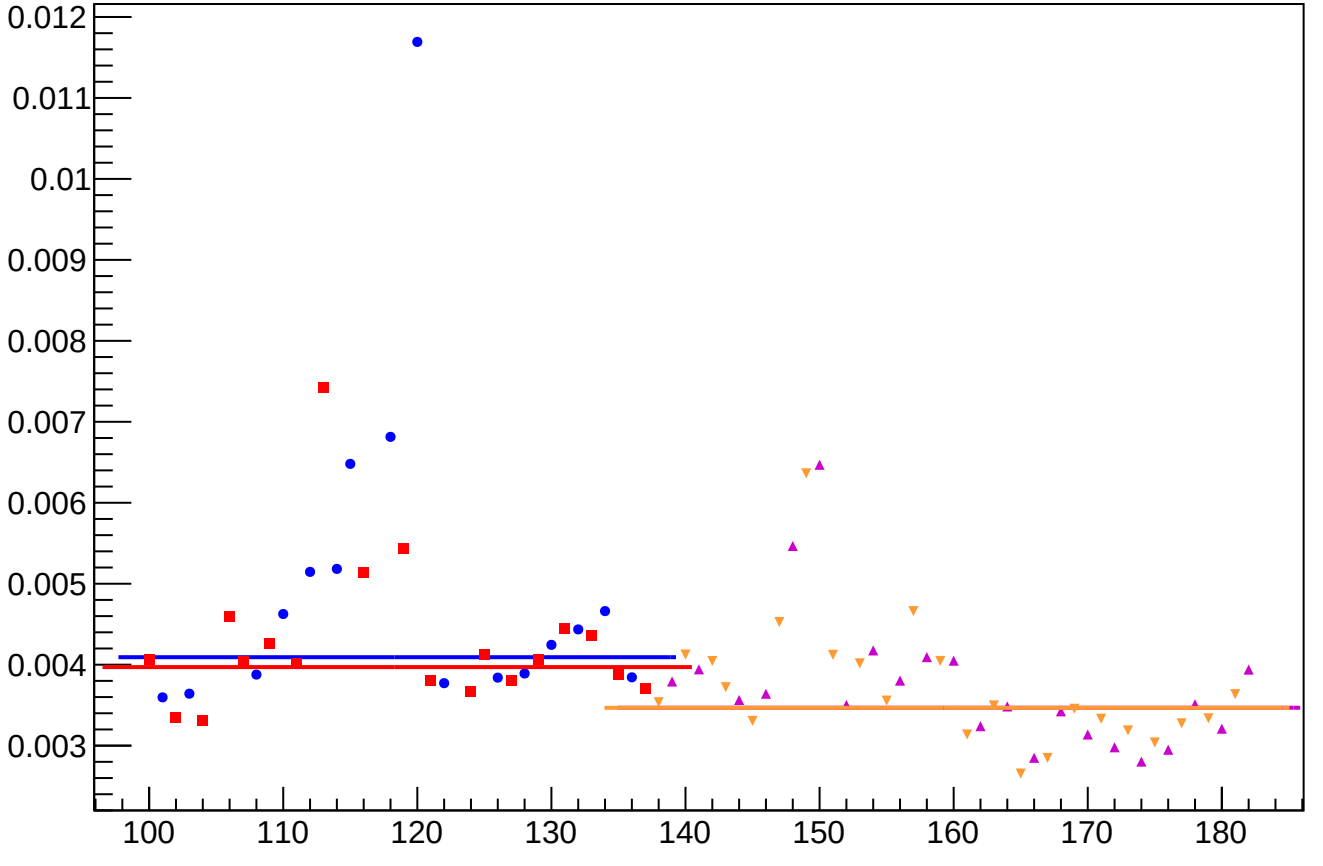
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.563+/-0.000 χ^2/NDF:67856666262.4/37

Out: 0.541+/-0.000 χ^2/NDF:78239457111.2/41

All: 0.552+/-0.000 χ^2/NDF: 146492766268.7

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:812995.8/22

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.003+/-0.000 χ^2/NDF:893855.9/21

Left: 0.003+/-0.000 χ^2/NDF: 1706853.2/44

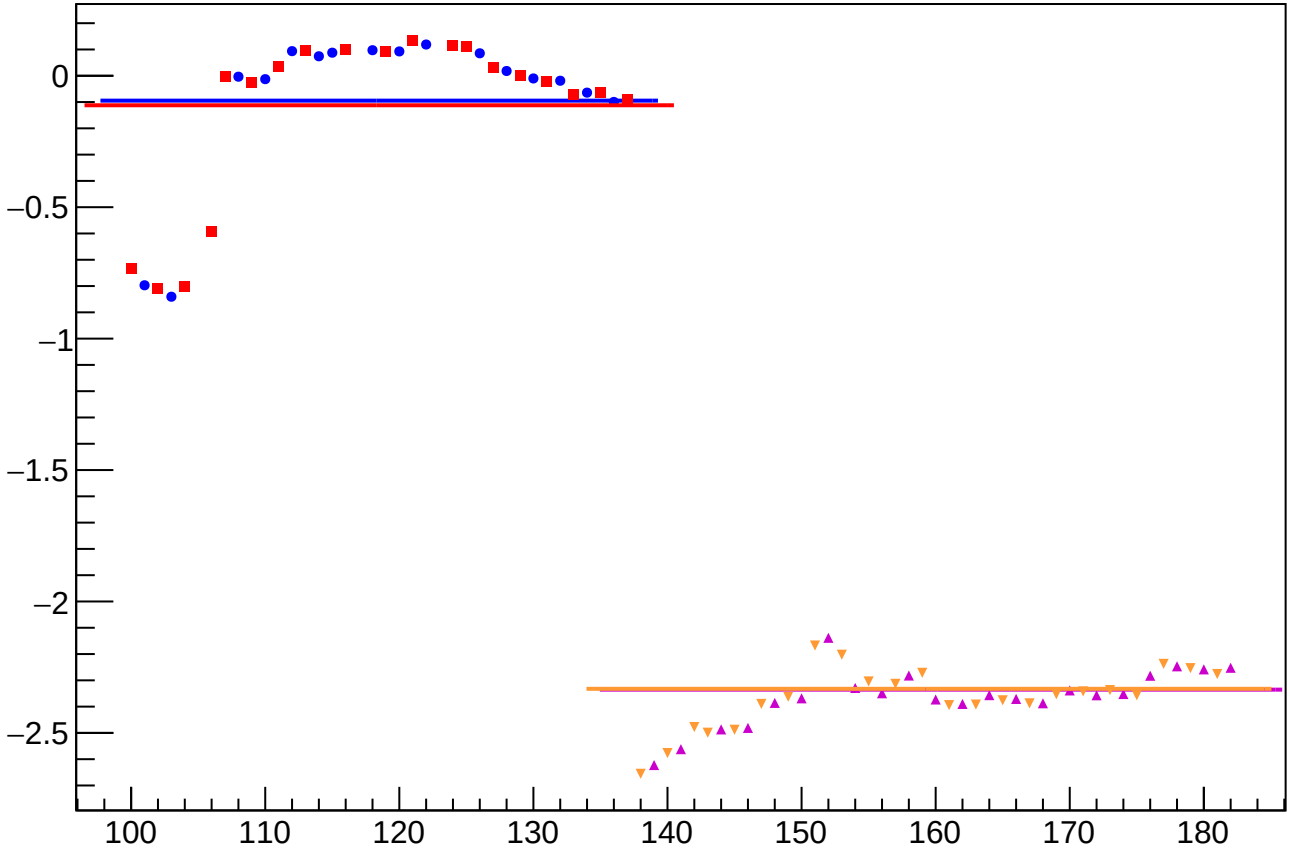
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1606058.5/37

Out: 0.004+/-0.000 χ^2/NDF:1282737.2/41

All: 0.004+/-0.000 χ^2/NDF: 2889494.7/79

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.332+/-0.000 χ^2/NDF:1951974528.2/22

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.335+/-0.000 χ^2/NDF:1671361154.1/21

Left: -2.334+/-0.000 χ^2/NDF: 3624381180.8/44

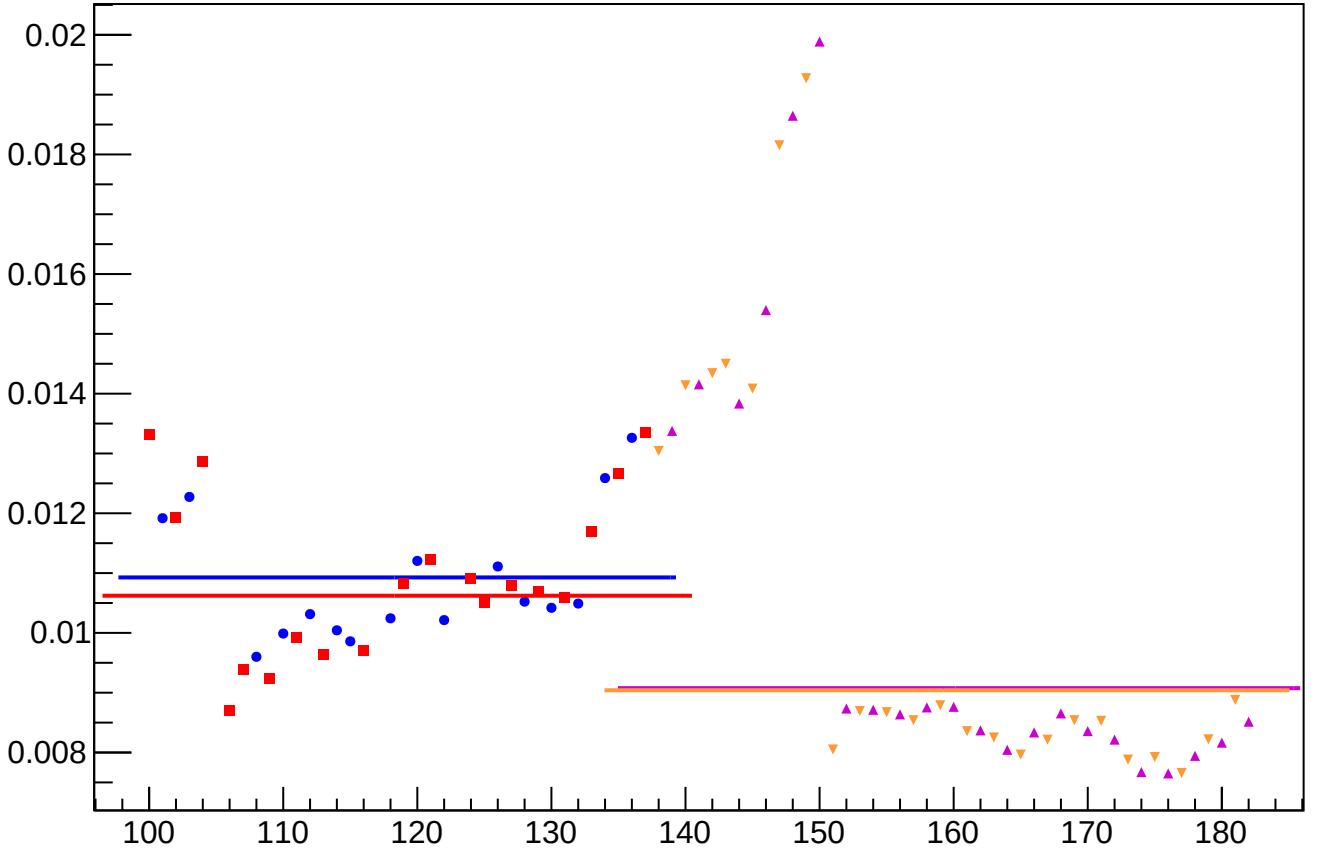
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.830+/-0.000 χ^2/NDF:239075065746.7/37

Out: -1.805+/-0.000 χ^2/NDF:253702735701.2/41

All: -1.817+/-0.000 χ^2/NDF: 492860082257.4

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:2048443.9/22

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.009+/-0.000 χ^2/NDF:2132924.4/21

Left: 0.009+/-0.000 χ^2/NDF: 4181621.2/44

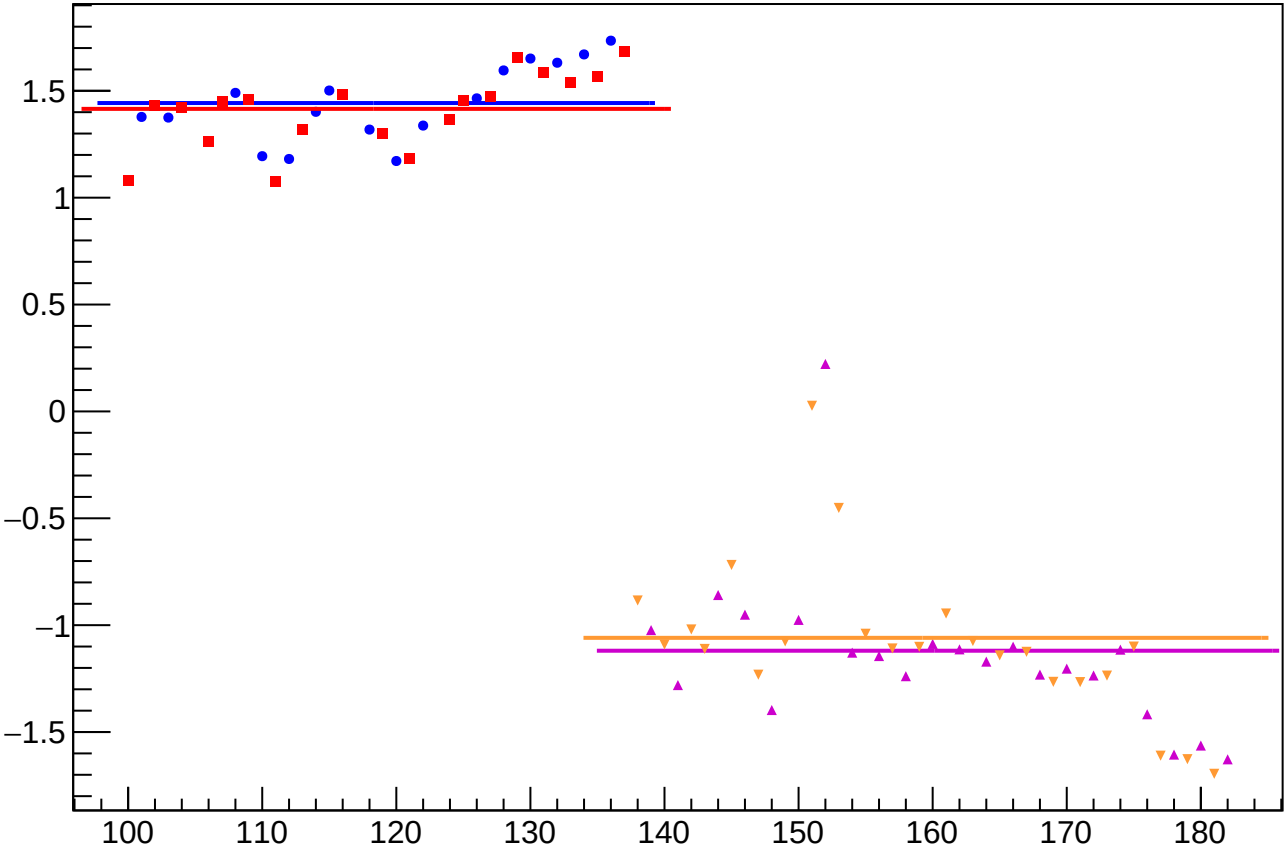
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.009+/-0.000 χ^2/NDF:2586173.7/37

Out: 0.009+/-0.000 χ^2/NDF:2487942.6/41

All: 0.009+/-0.000 χ^2/NDF: 5075733.7/79

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -1.059+/-0.000 χ^2/NDF:55190899413.2/22

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.120+/-0.000 χ^2/NDF:57202062994.7/21

Left: -1.089+/-0.000 χ^2/NDF: 112988654749.3/44

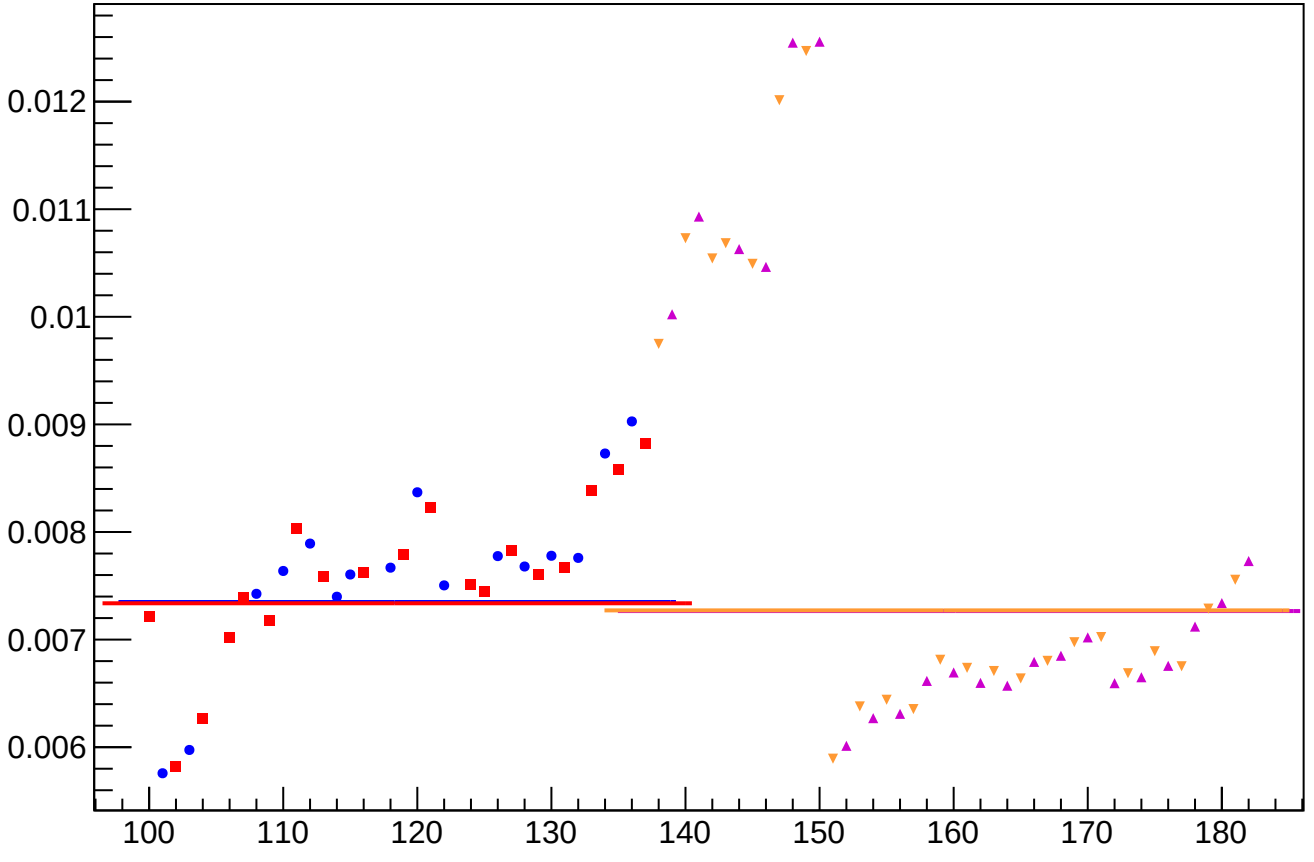
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: -0.385+/-0.000 χ^2/NDF:673530366462.1/37

Out: -0.333+/-0.000 χ^2/NDF:650625652702.6/41

All: -0.359+/-0.000 χ^2/NDF: 1324763073364

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1489630.6/22

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1560044.4/21

Left: 0.007+/-0.000 χ^2/NDF: 3049687.8/44

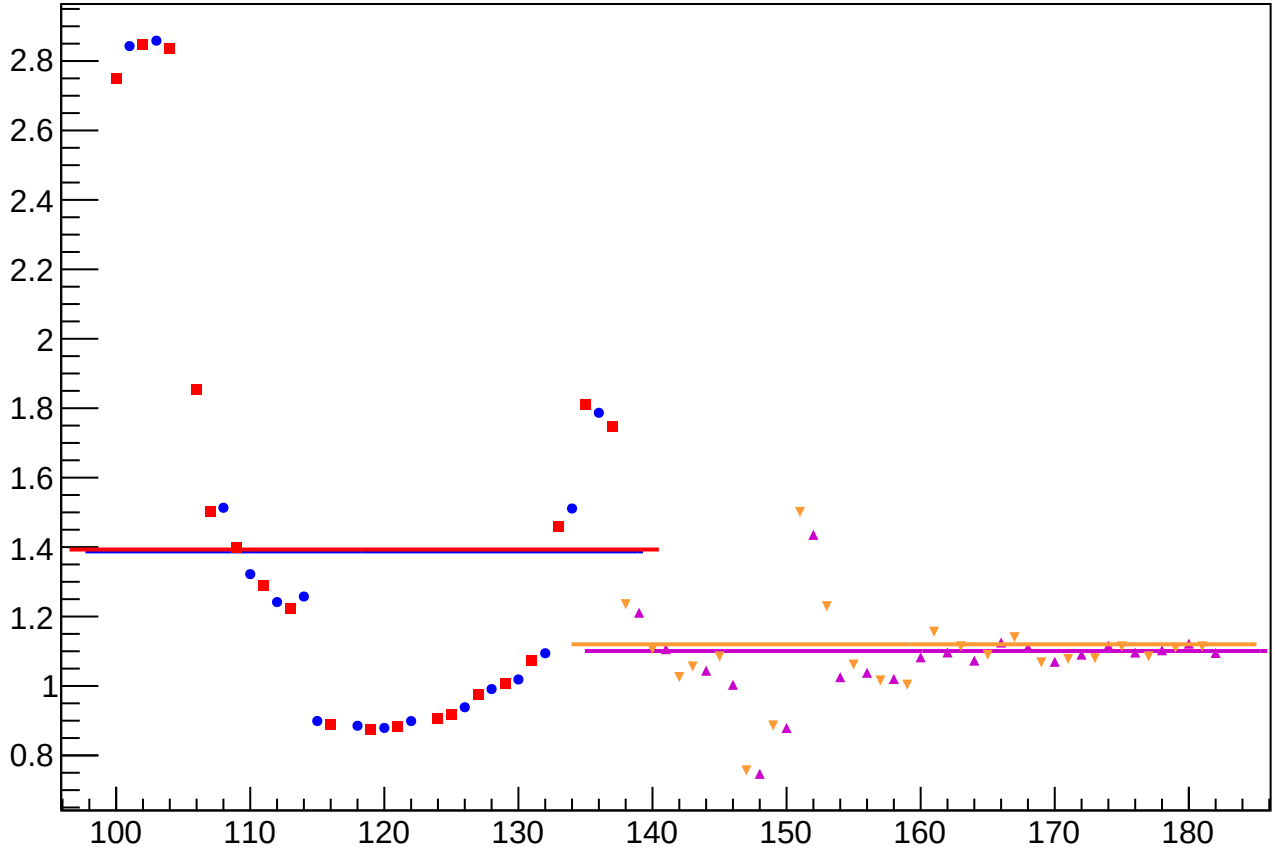
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1832229.5/37

Out: 0.007+/-0.000 χ^2/NDF:1685847.1/41

All: 0.007+/-0.000 χ^2/NDF: 3518077.6/79

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.120+/-0.000 χ^2/NDF:5512321538.5/22

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.101+/-0.000 χ^2/NDF:4194278507.0/21

Left: 1.111+/-0.000 χ^2/NDF: 9768529894.0/44

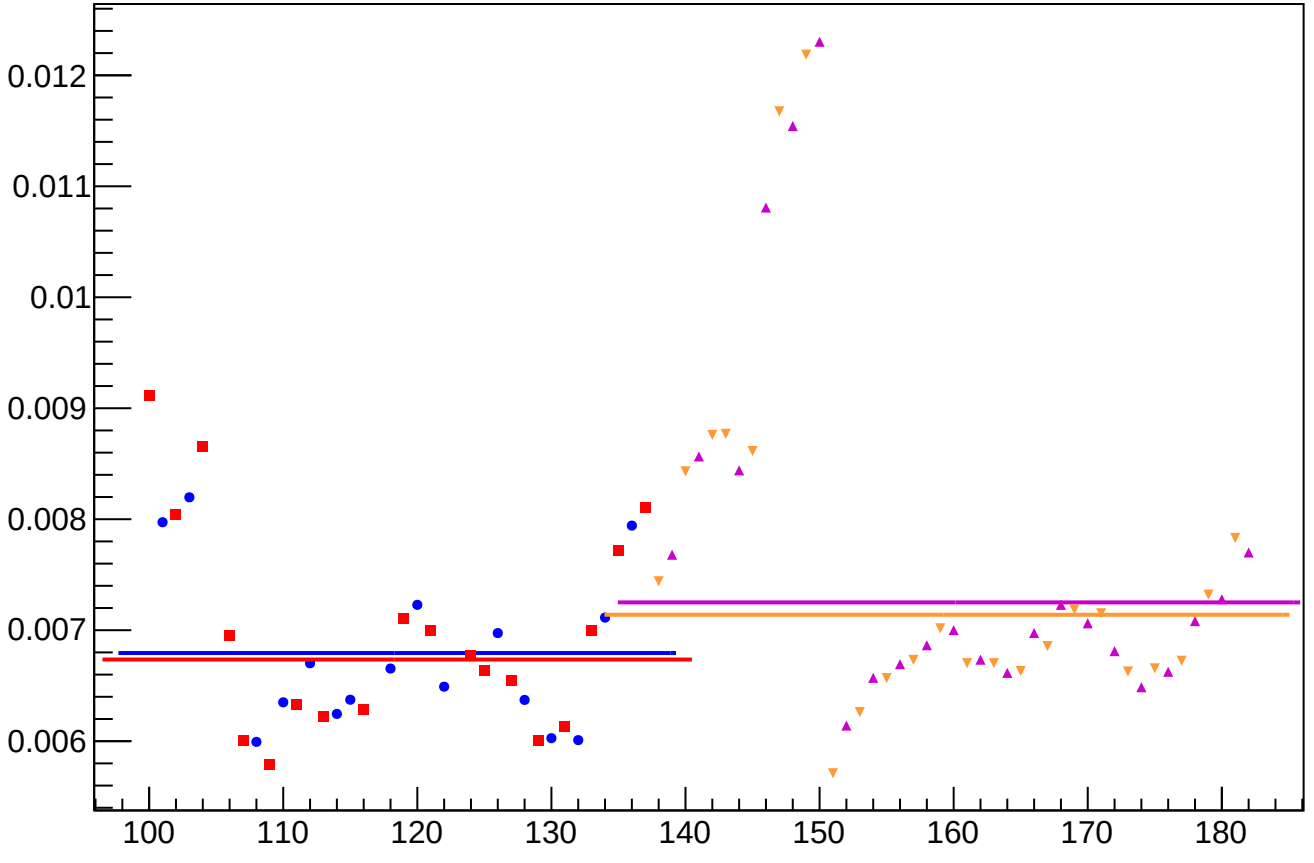
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.192+/-0.000 χ^2/NDF:71418998548.6/37

Out: 1.208+/-0.000 χ^2/NDF:69077143980.7/41

All: 1.200+/-0.000 χ^2/NDF: 140554378280.9

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:864479.7/22

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:915035.5/21

Left: 0.007+/-0.000 χ^2/NDF: 1783664.5/44

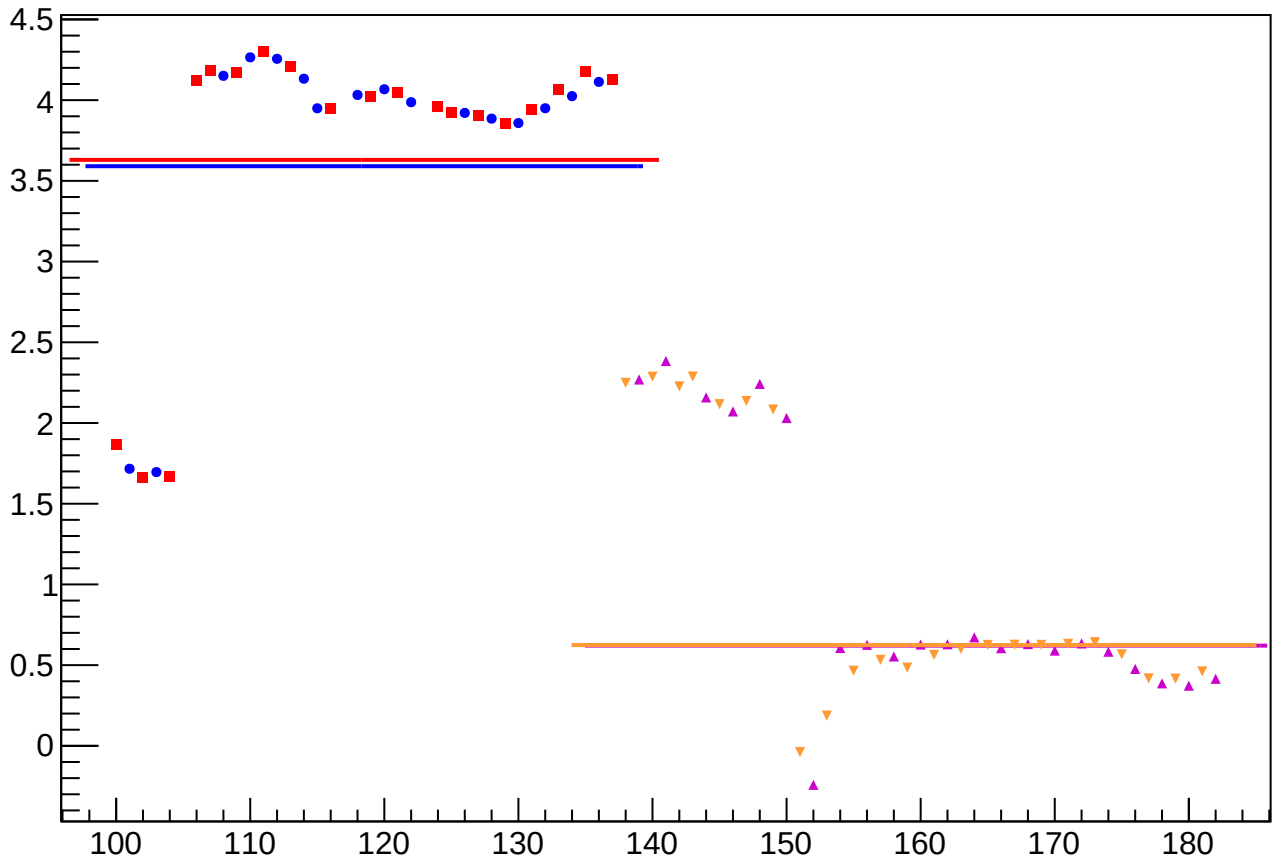
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1123036.5/37

Out: 0.007+/-0.000 χ^2/NDF:1098771.1/41

All: 0.007+/-0.000 χ^2/NDF: 2226284.8/79

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.624+/-0.000 χ^2/NDF:250610731812.6/22

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.621+/-0.000 χ^2/NDF:253862434320.2/21

Left: 0.623+/-0.000 χ^2/NDF: 504479300341.1/44

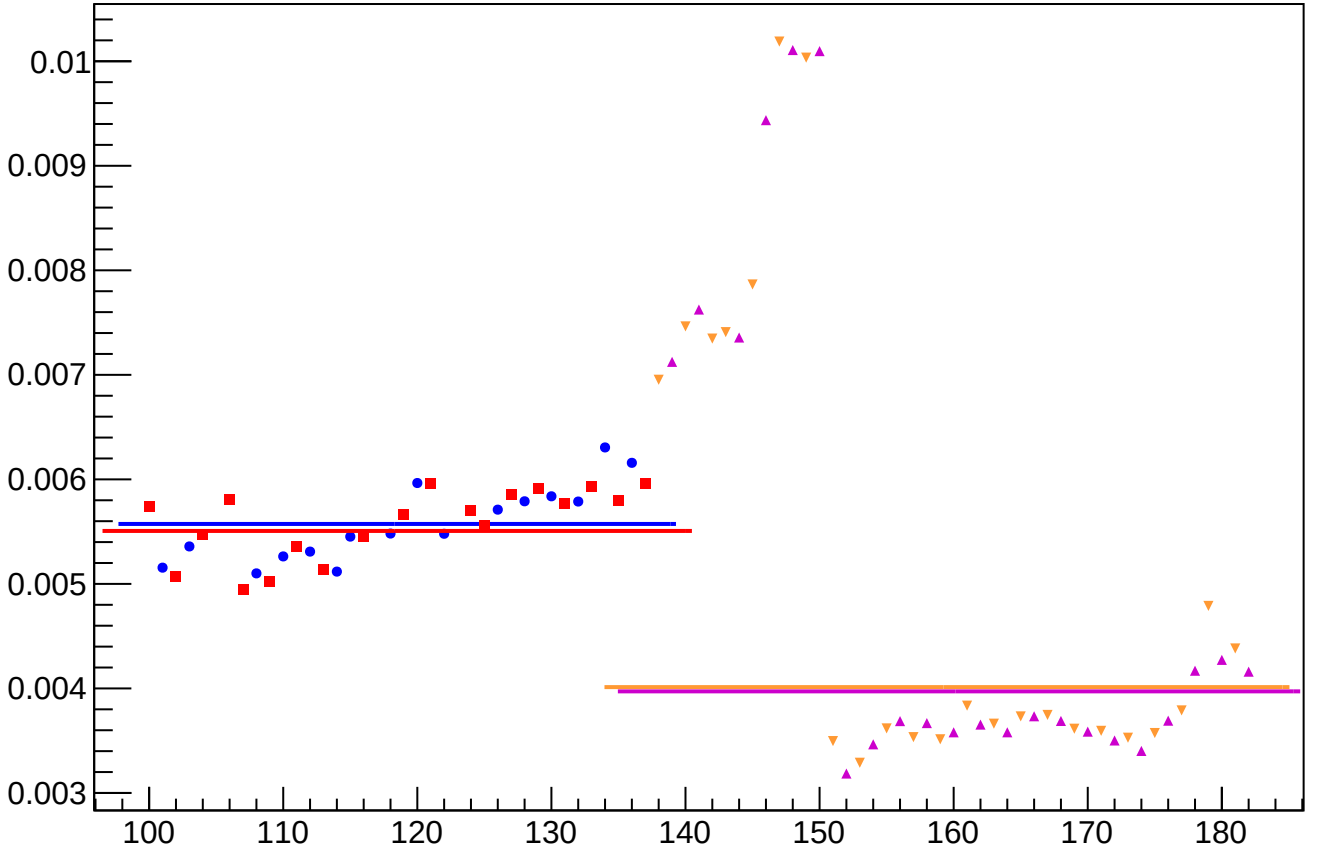
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.173+/-0.000 χ^2/NDF:2112474977824.1/37

Out: 1.207+/-0.000 χ^2/NDF:2217122385915.4/41

All: 1.190+/-0.000 χ^2/NDF: 4330301887833.

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:2954397.8/22

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:3121459.2/21

Left: 0.004+/-0.000 χ^2/NDF: 6077514.4/44

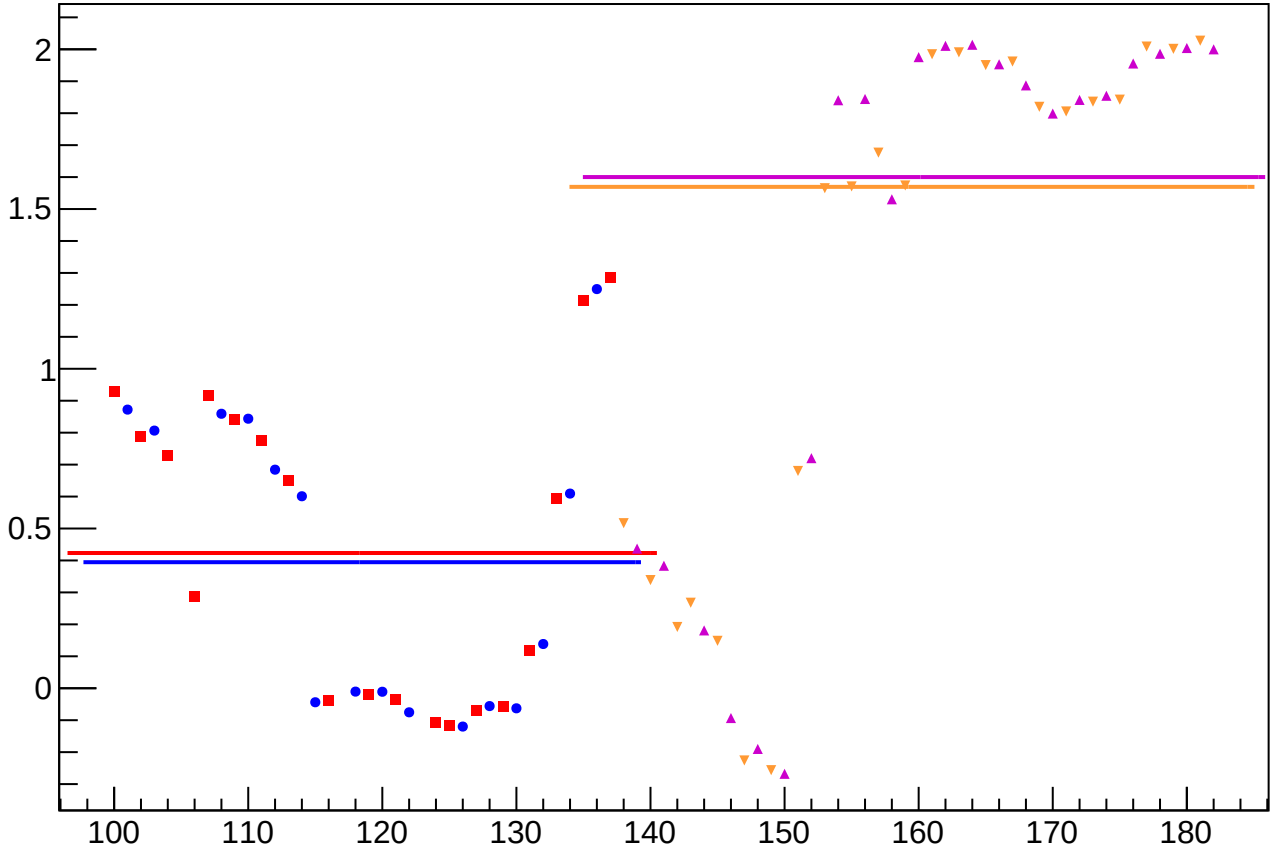
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.004+/-0.000 χ^2/NDF:4144025.9/37

Out: 0.004+/-0.000 χ^2/NDF:3878522.5/41

All: 0.004+/-0.000 χ^2/NDF: 8023842.7/79

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.569+/-0.000 χ^2/NDF:60792762965.6/22

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.600+/-0.000 χ^2/NDF:65830093942.1/21

Left: 1.585+/-0.000 χ^2/NDF: 126697209050.6/44

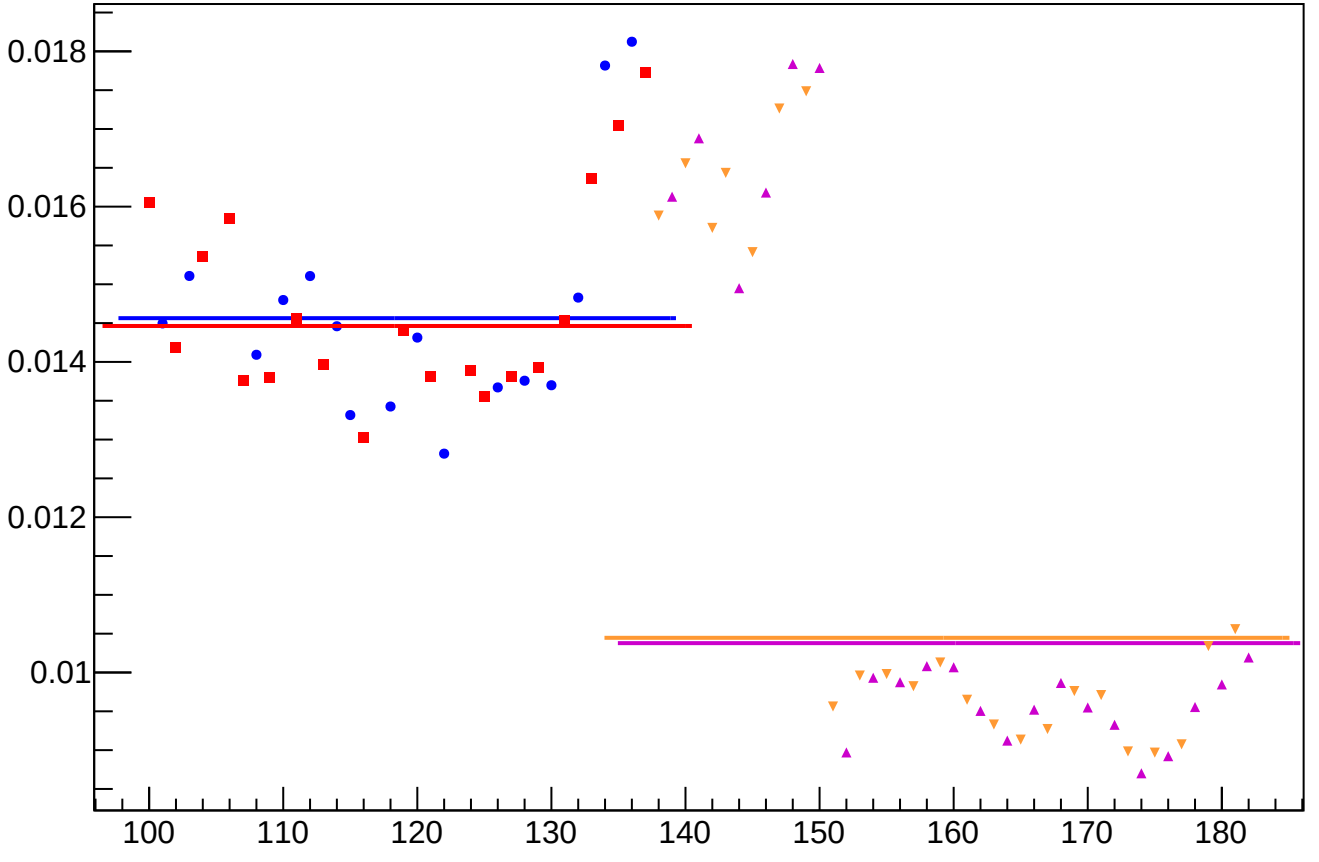
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.389+/-0.000 χ^2/NDF:113361633979.9/37

Out: 1.362+/-0.000 χ^2/NDF:105179001743.6/41

All: 1.376+/-0.000 χ^2/NDF: 218609800872.7

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:1658605.5/22

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.010+/-0.000 χ^2/NDF:1710523.2/21

Left: 0.010+/-0.000 χ^2/NDF: 3369873.5/44

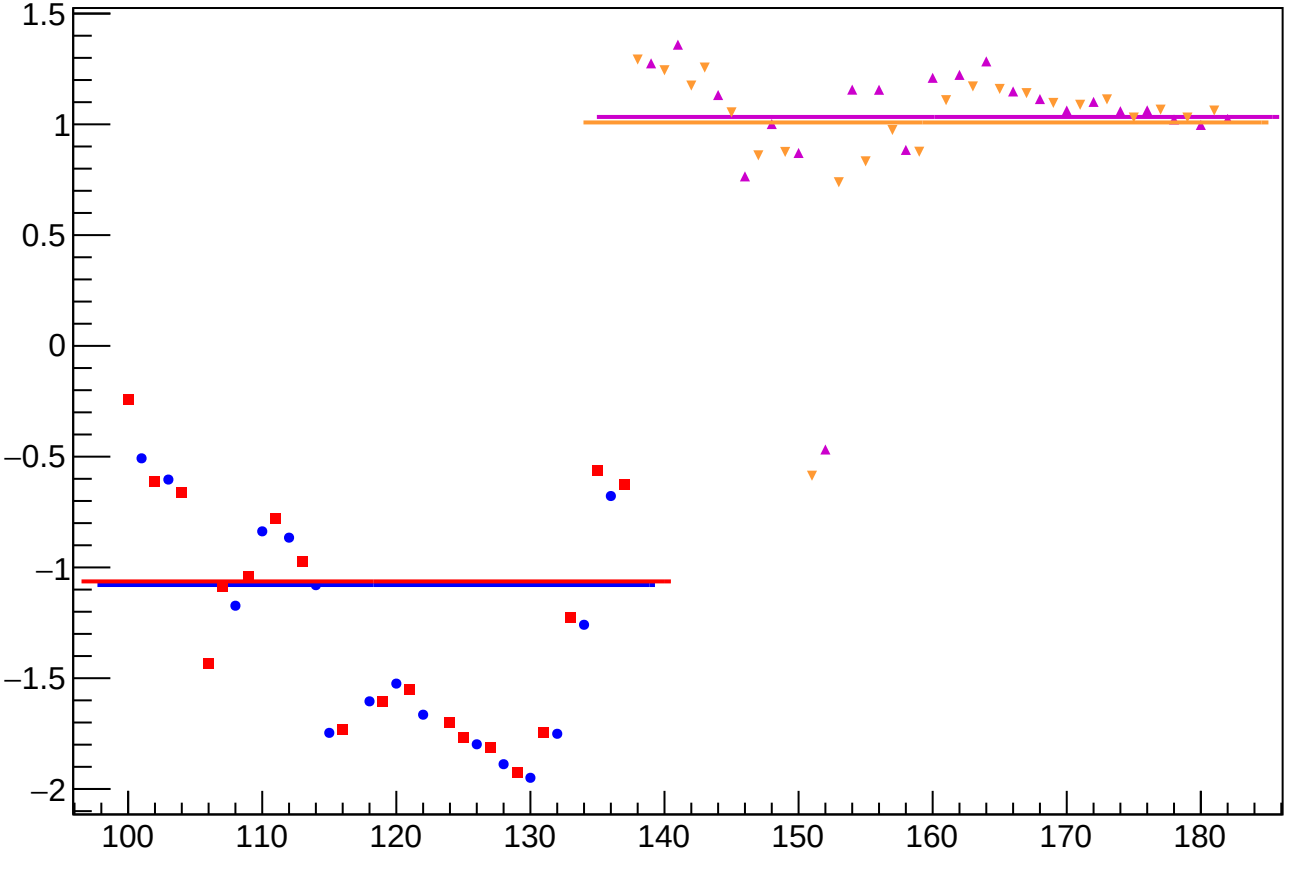
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.011+/-0.000 χ^2/NDF:2810874.3/37

Out: 0.011+/-0.000 χ^2/NDF:2656529.9/41

All: 0.011+/-0.000 χ^2/NDF: 5468142.5/79

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.009+/-0.000 χ^2/NDF:111038912542.3/22

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.033+/-0.000 χ^2/NDF:125380181908.0/21

Left: 1.021+/-0.000 χ^2/NDF: 236826953210.9/44

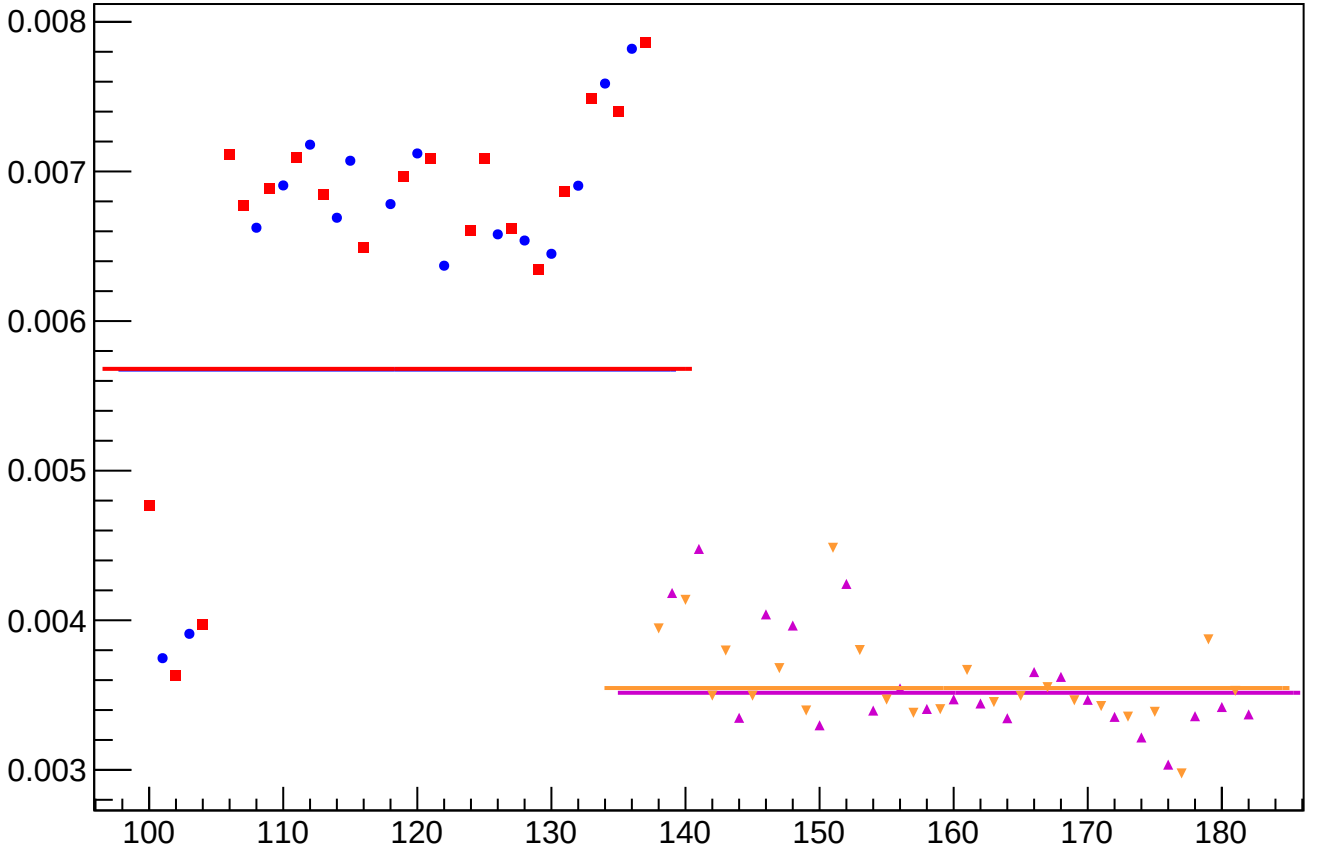
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.758+/-0.000 χ^2/NDF:952294524071.6/37

Out: 0.736+/-0.000 χ^2/NDF:905855094526.7/41

All: 0.747+/-0.000 χ^2/NDF: 1858502348641.

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:211936.5/22

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:280563.9/21

Left: 0.004+/-0.000 χ^2/NDF: 493832.6/44

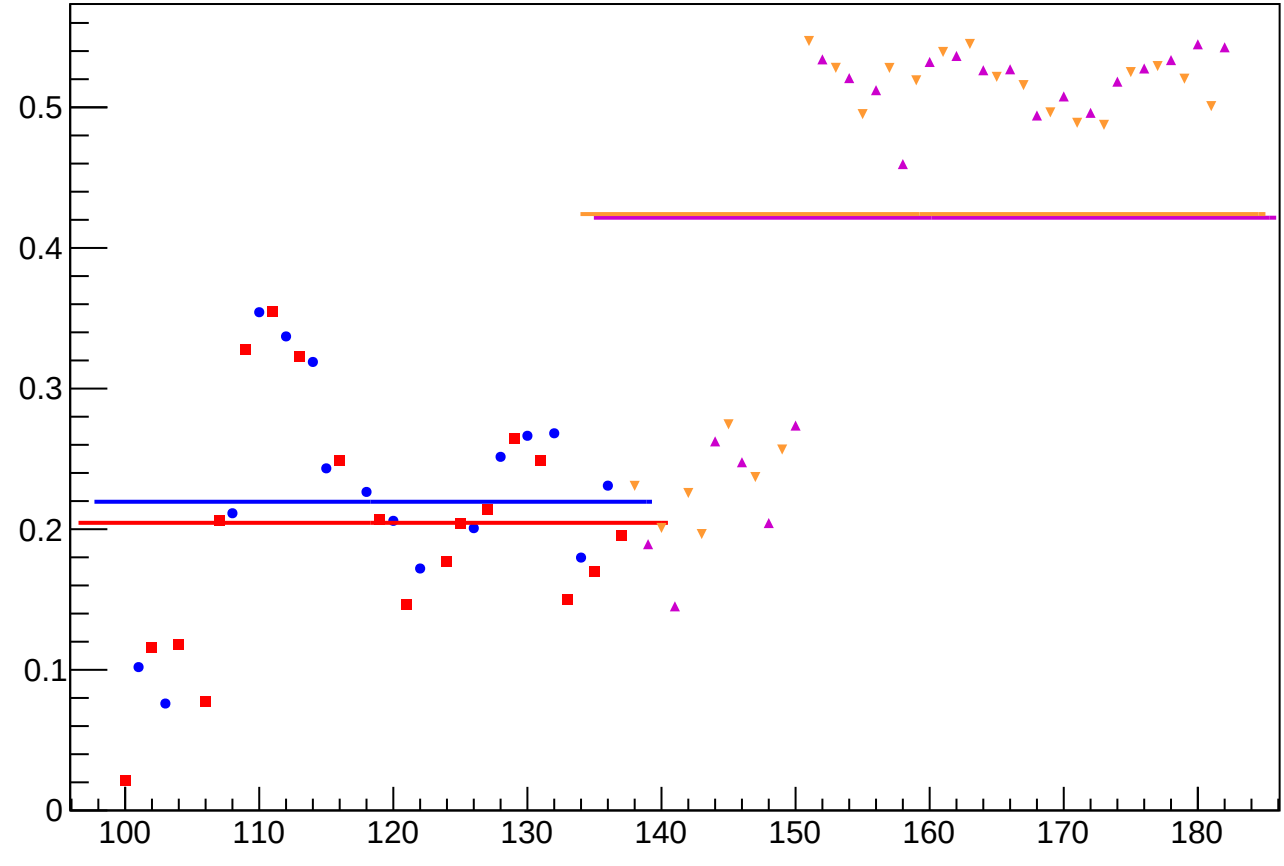
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2830064.4/37

Out: 0.004+/-0.000 χ^2/NDF:2772633.4/41

All: 0.004+/-0.000 χ^2/NDF: 5604096.1/79

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.424+/-0.000 χ^2/NDF:150846301069.0/22

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.422+/-0.000 χ^2/NDF:157345852671.7/21

Left: 0.423+/-0.000 χ^2/NDF: 308218339215.1/44

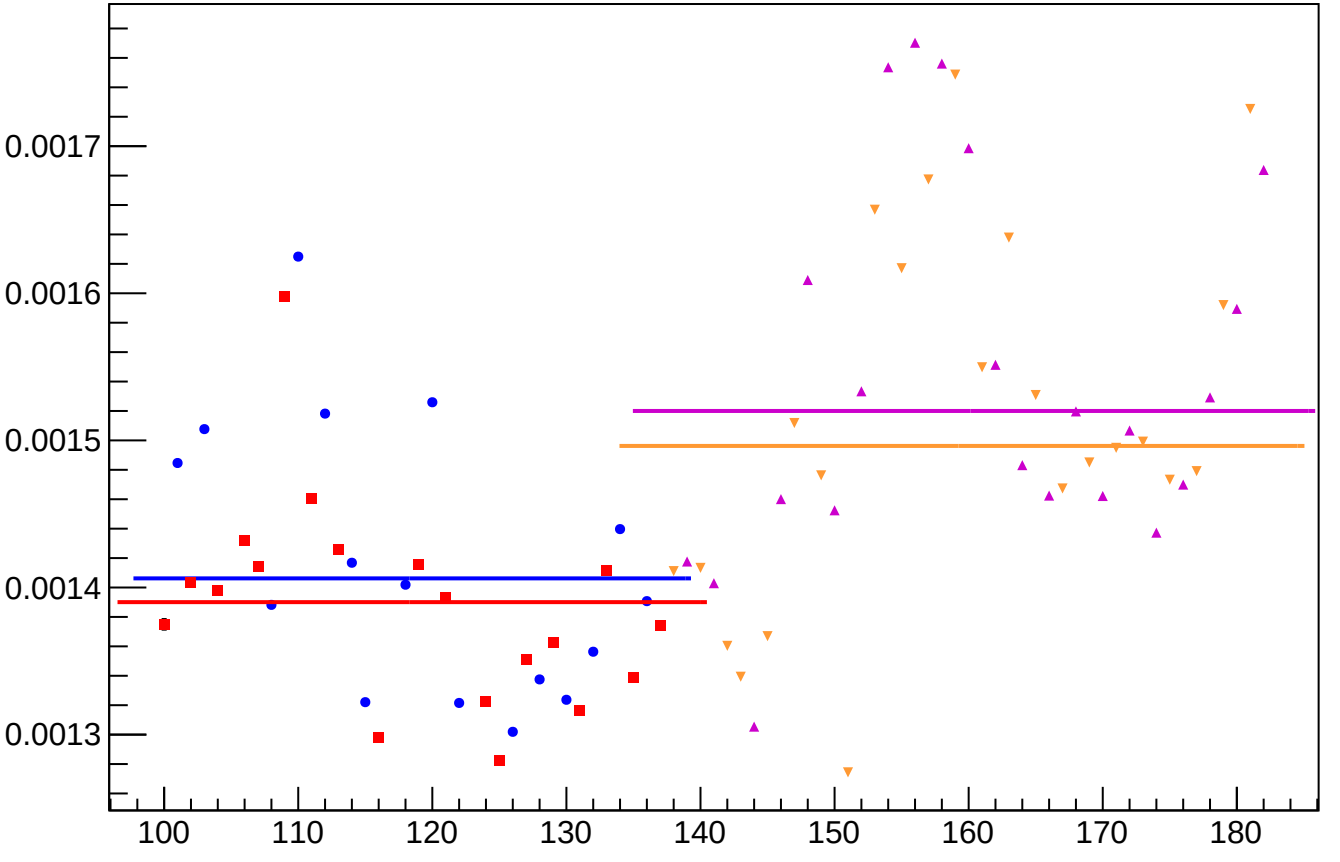
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.358+/-0.000 χ^2/NDF:272222655638.3/37

Out: 0.354+/-0.000 χ^2/NDF:297479070991.3/41

All: 0.356+/-0.000 χ^2/NDF: 569804522424.8

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:238873.9/22

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:224557.8/21

Left: 0.002+/-0.000 χ^2/NDF: 467862.9/44

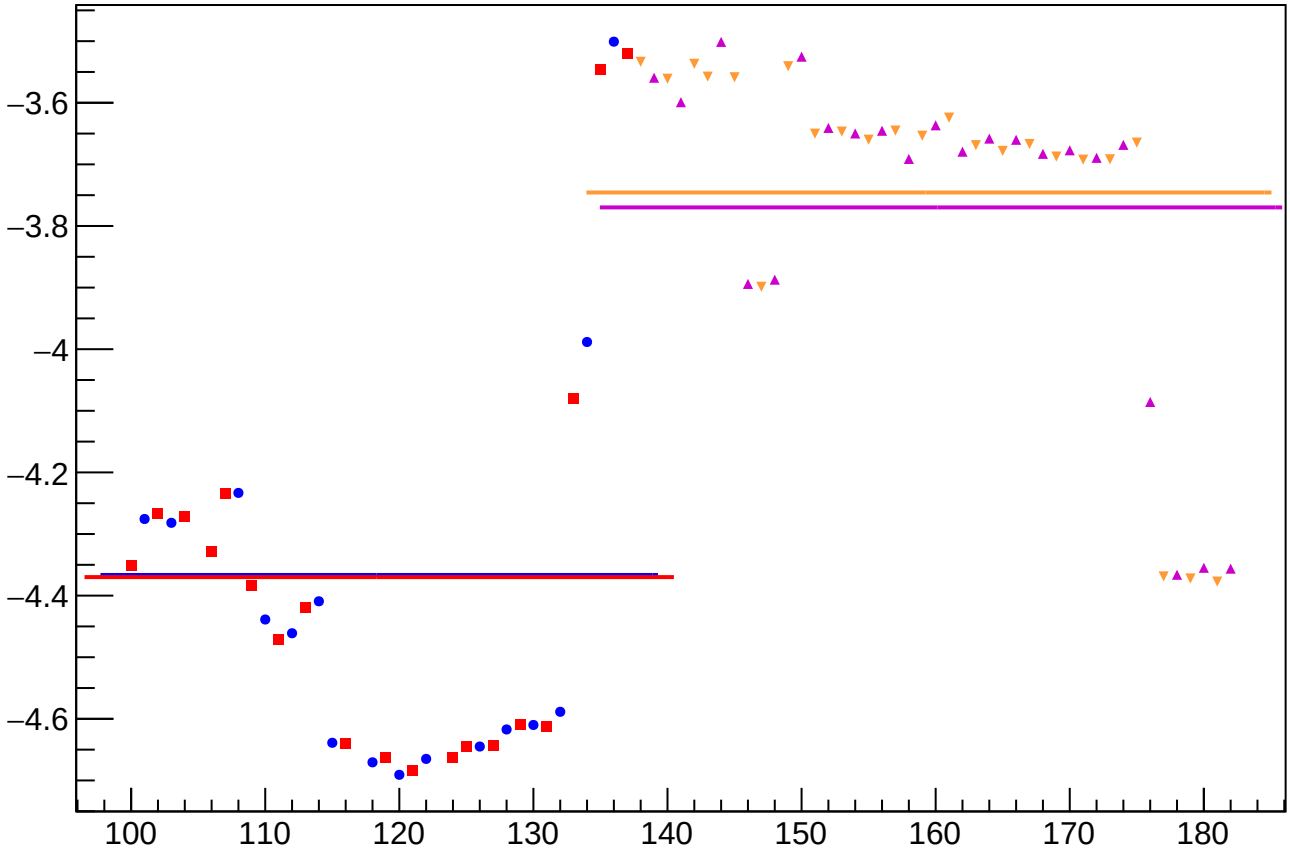
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:335066.1/37

Out: 0.001+/-0.000 χ^2/NDF:331813.8/41

All: 0.001+/-0.000 χ^2/NDF: 672438.9/79

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.746+/-0.000 χ^2/NDF:413473757367.1/22

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.770+/-0.000 χ^2/NDF:381312018364.5/21

Left: -3.757+/-0.000 χ^2/NDF: 796545896205.9/44

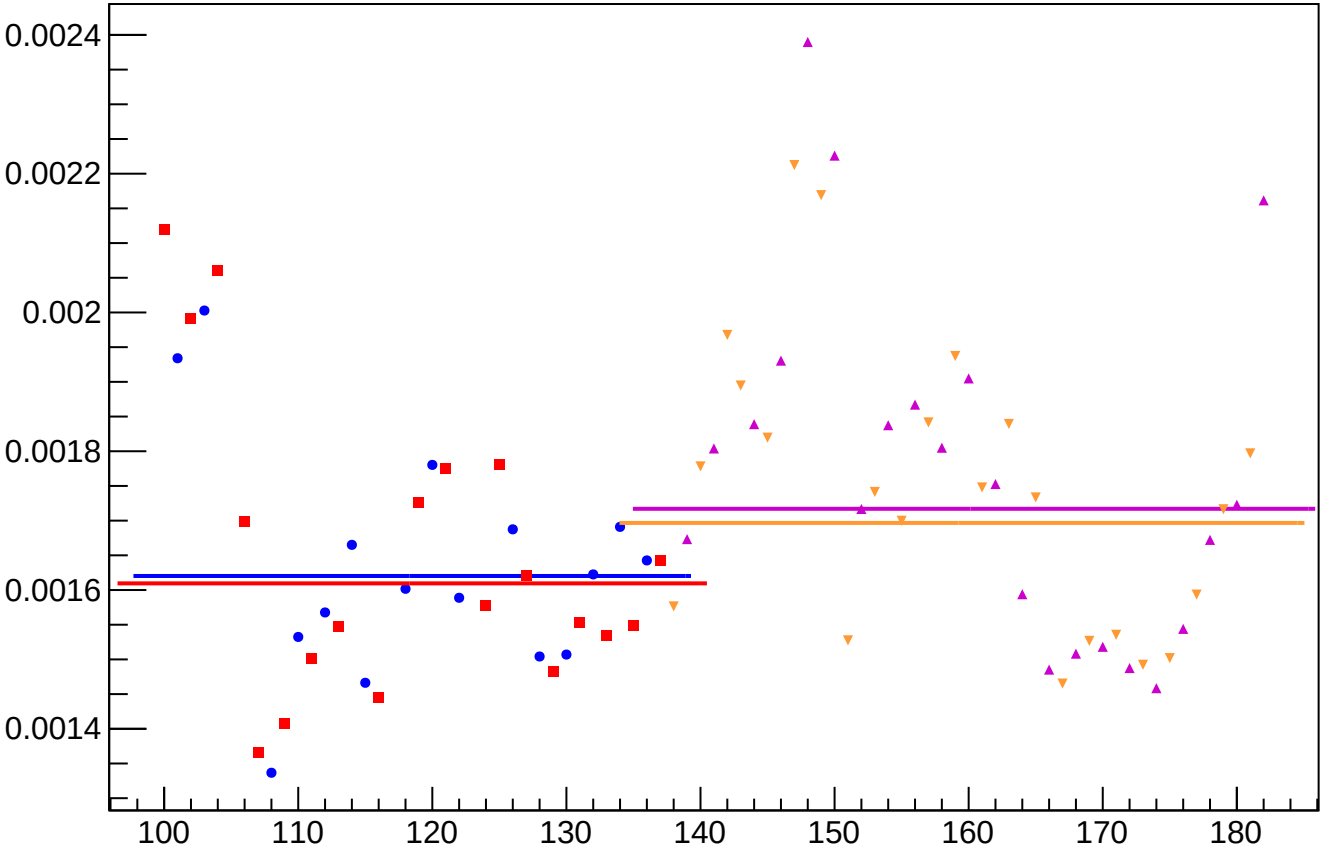
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.954+/-0.000 χ^2/NDF:1378825105140.3/37

Out: -3.939+/-0.000 χ^2/NDF:1448772342635.0/41

All: -3.946+/-0.000 χ^2/NDF: 2828564238664

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:429966.1/22

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:557624.7/21

Left: 0.002+/-0.000 χ^2/NDF: 990068.2/44

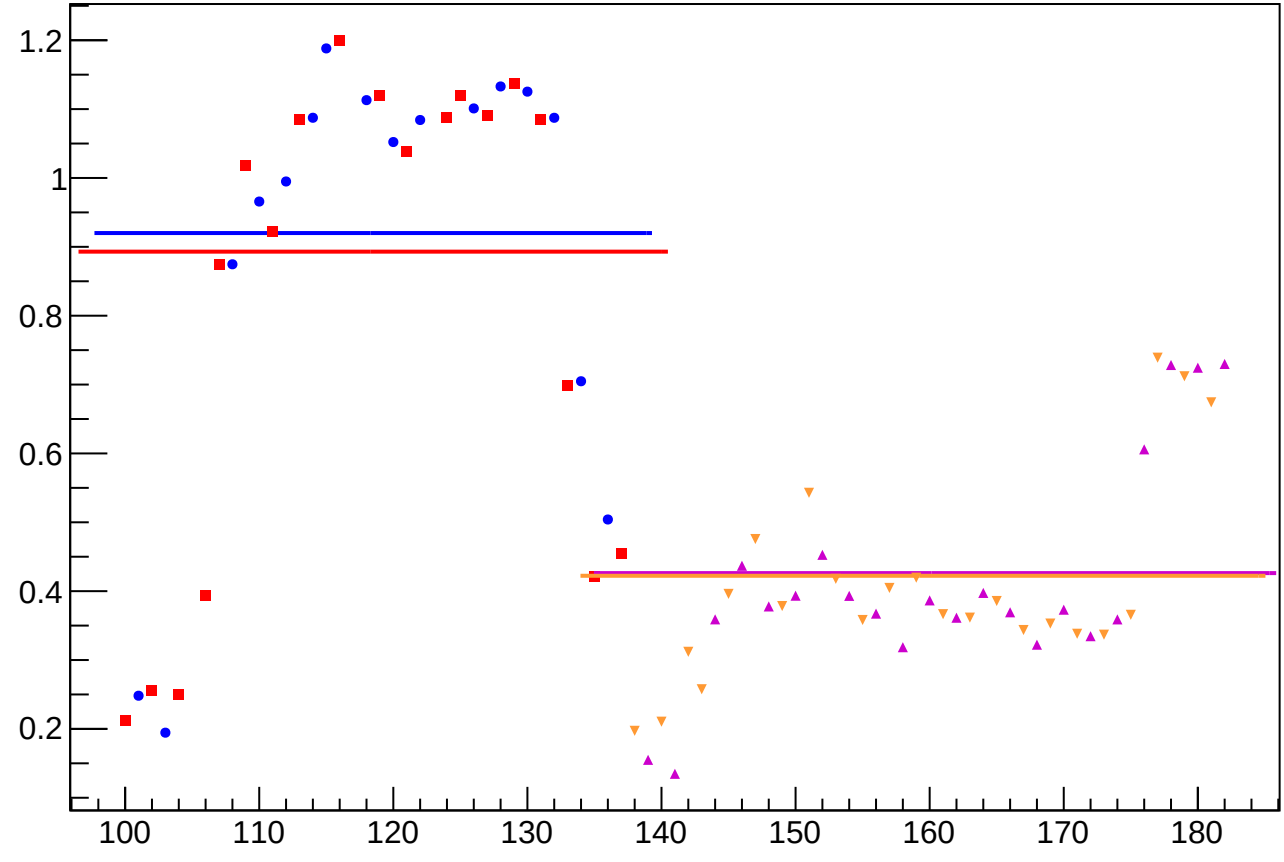
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:731765.9/37

Out: 0.002+/-0.000 χ^2/NDF:643724.0/41

All: 0.002+/-0.000 χ^2/NDF: 1378133.1/79

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.422+/-0.000 χ^2/NDF:7342388865.8/22

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.426+/-0.000 χ^2/NDF:8748129104.2/21

Left: 0.424+/-0.000 χ^2/NDF: 16093243359.8/44

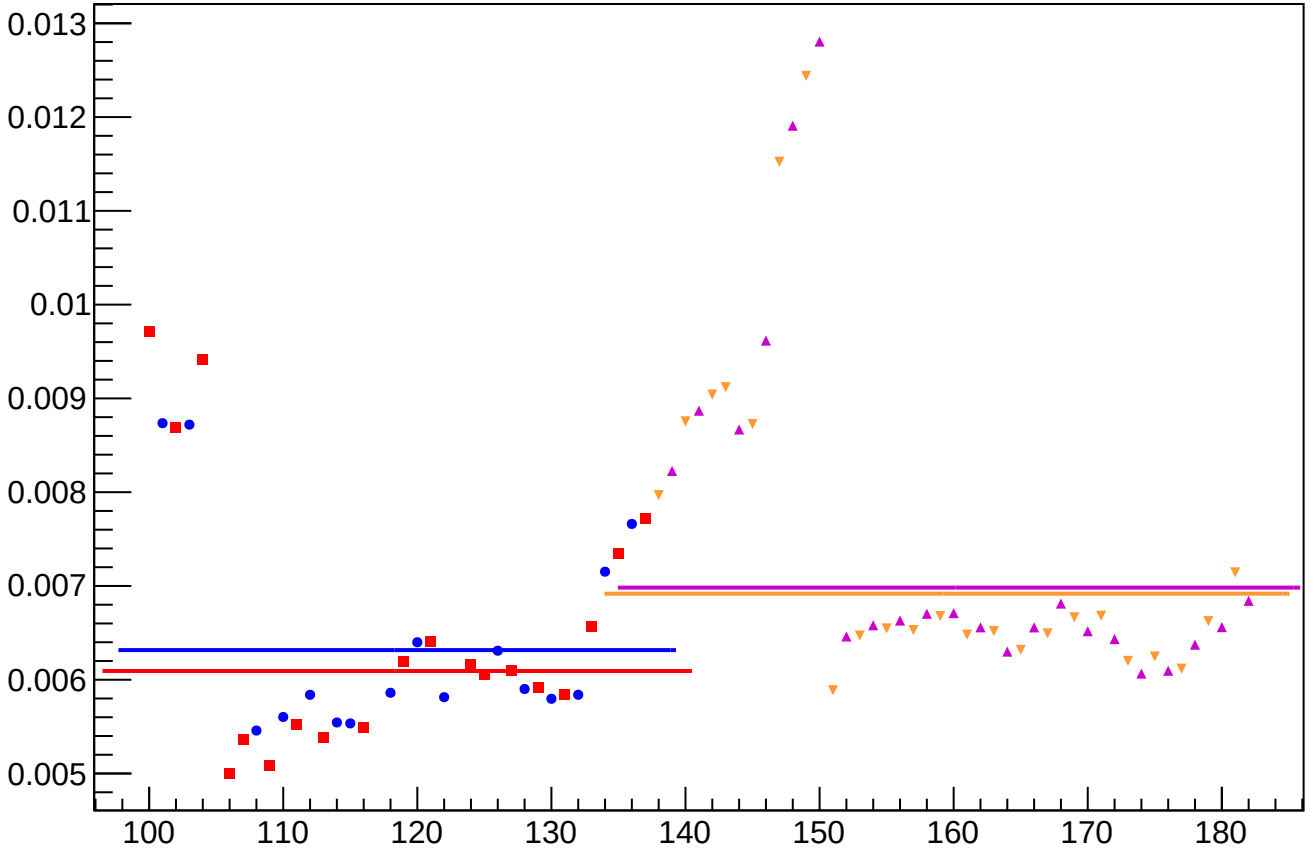
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.589+/-0.000 χ^2/NDF:52014090708.8/37

Out: 0.585+/-0.000 χ^2/NDF:53283391175.2/41

All: 0.587+/-0.000 χ^2/NDF: 105301991602.5

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:1081819.4/22

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1136459.4/21

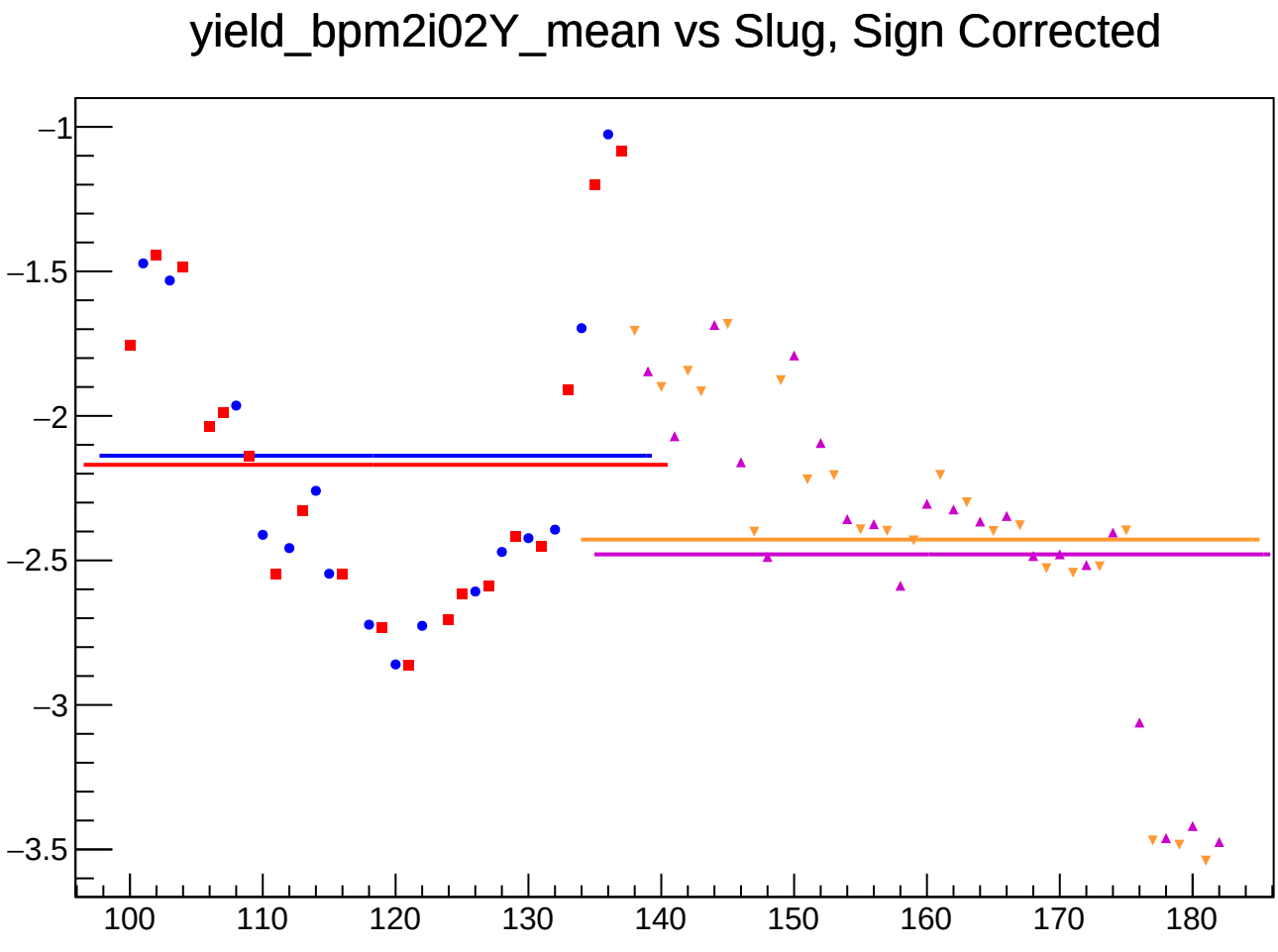
Left: 0.007+/-0.000 χ^2/NDF: 2219820.0/44

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1576741.4/37

Out: 0.007+/-0.000 χ^2/NDF:1691295.3/41

All: 0.007+/-0.000 χ^2/NDF: 3277343.7/79



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.428+/-0.000 χ^2/NDF:100376270616.4/22

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.479+/-0.000 χ^2/NDF:89827212565.6/21

Left: -2.453+/-0.000 χ^2/NDF: 190766215378.0/44

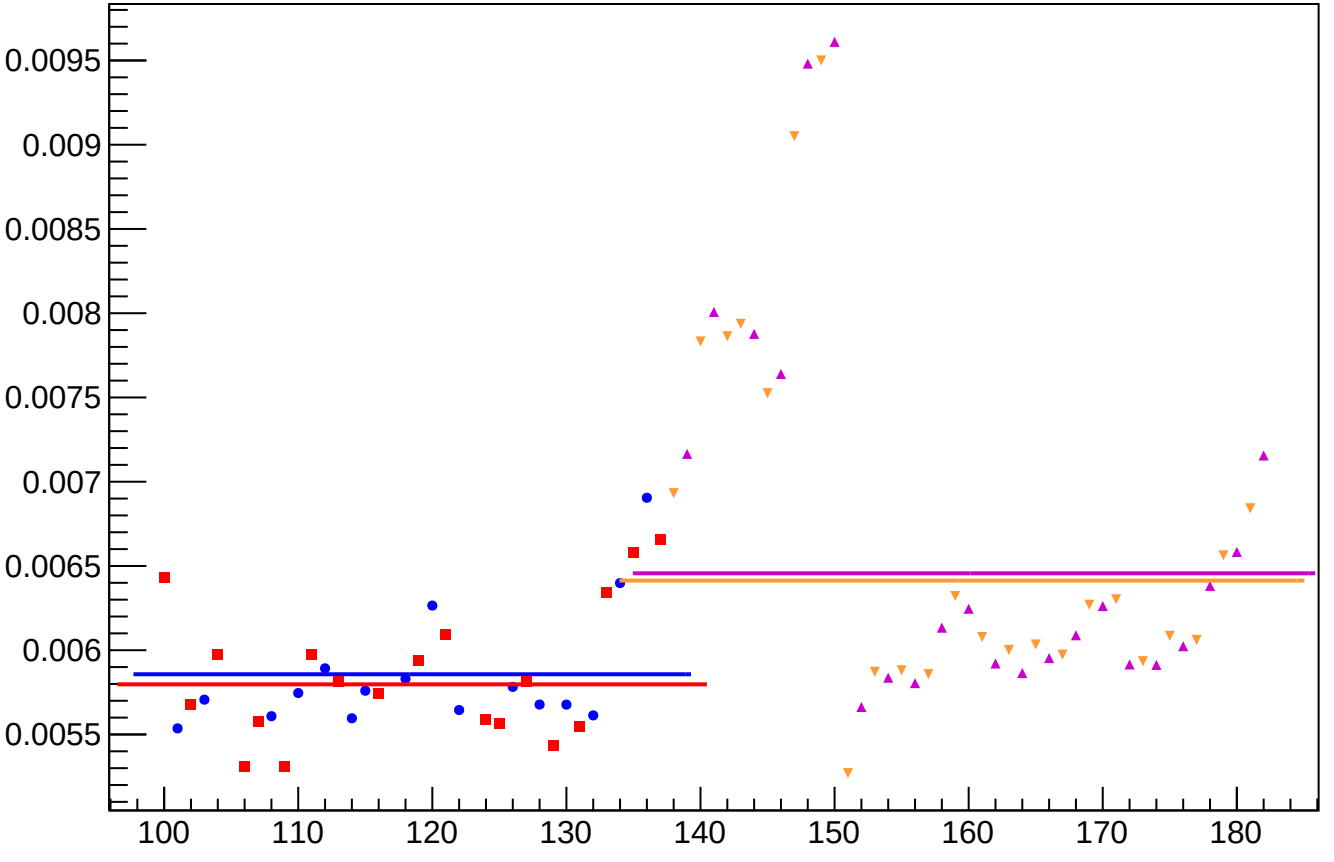
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.366+/-0.000 χ^2/NDF:171810817727.1/37

Out: -2.341+/-0.000 χ^2/NDF:167613693059.3/41

All: -2.353+/-0.000 χ^2/NDF: 339633116400.8

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:681844.8/22

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.006+/-0.000 χ^2/NDF:719340.9/21

Left: 0.006+/-0.000 χ^2/NDF: 1401992.4/44

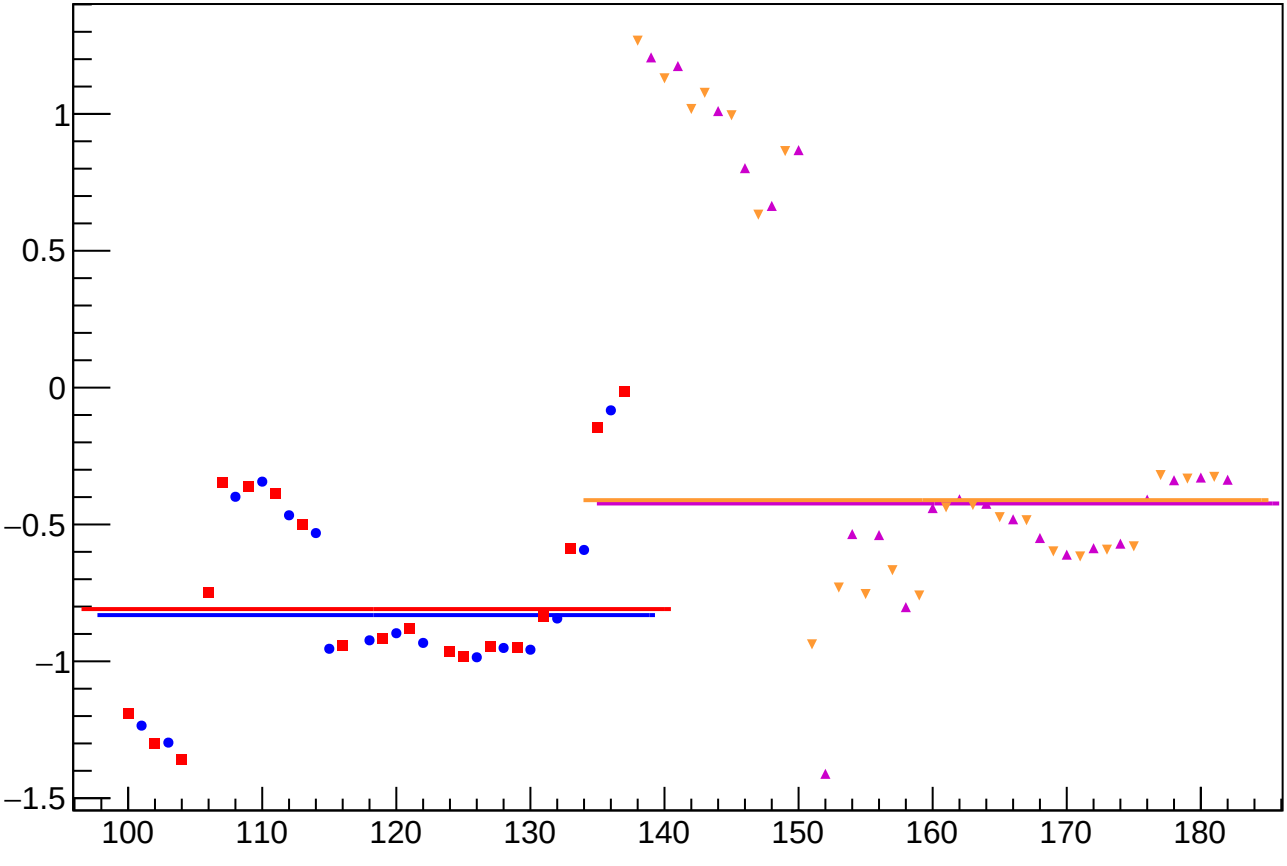
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:881975.3/37

Out: 0.006+/-0.000 χ^2/NDF:849687.1/41

All: 0.006+/-0.000 χ^2/NDF: 1733448.3/79

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.411+/-0.000 χ^2/NDF:81465173812.3/22

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.423+/-0.000 χ^2/NDF:90158340577.5/21

Left: -0.417+/-0.000 χ^2/NDF: 171648000134.5/44

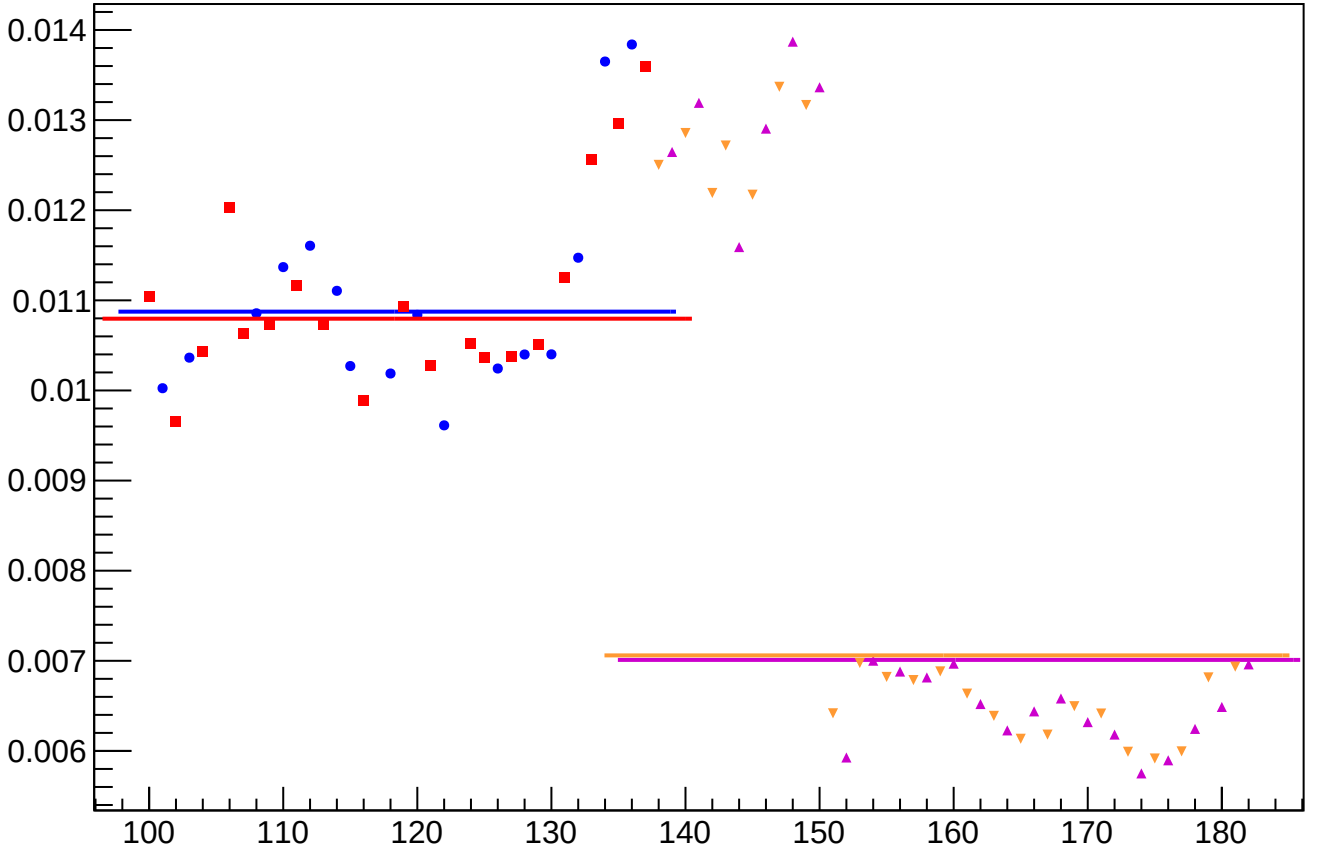
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.485+/-0.000 χ^2/NDF:105675045666.4/37

Out: -0.473+/-0.000 χ^2/NDF:97899024895.5/41

All: -0.479+/-0.000 χ^2/NDF: 203600414540.5

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:2382362.8/22

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2456317.9/21

Left: 0.007+/-0.000 χ^2/NDF: 4839524.5/44

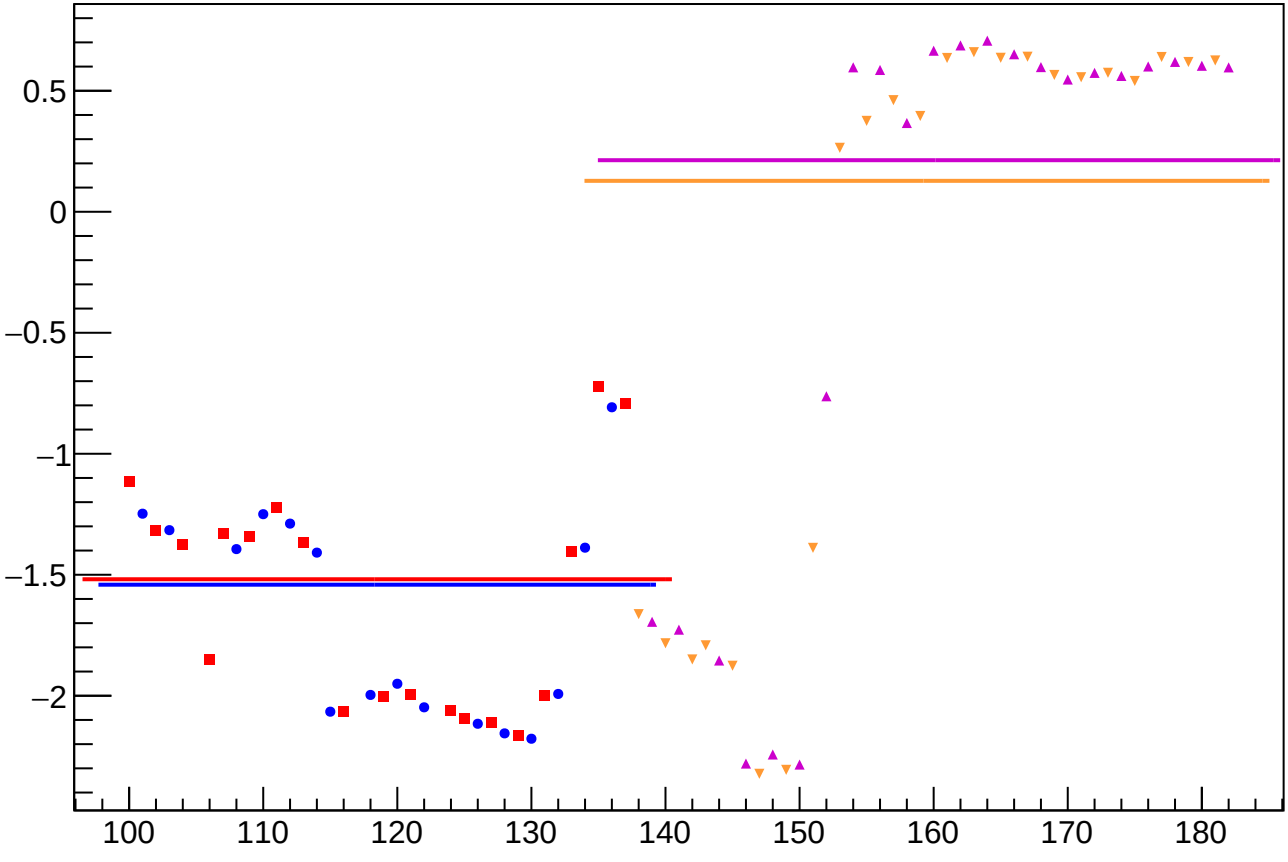
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.008+/-0.000 χ^2/NDF:4123391.2/37

Out: 0.008+/-0.000 χ^2/NDF:3942905.7/41

All: 0.008+/-0.000 χ^2/NDF: 8067287.7/79

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: 0.128+/-0.000 χ^2/NDF:2366419442367.1/22

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: 0.213+/-0.000 χ^2/NDF:2114213401408.3/21

Left: 0.170+/-0.000 χ^2/NDF: 4490657944630.9/44

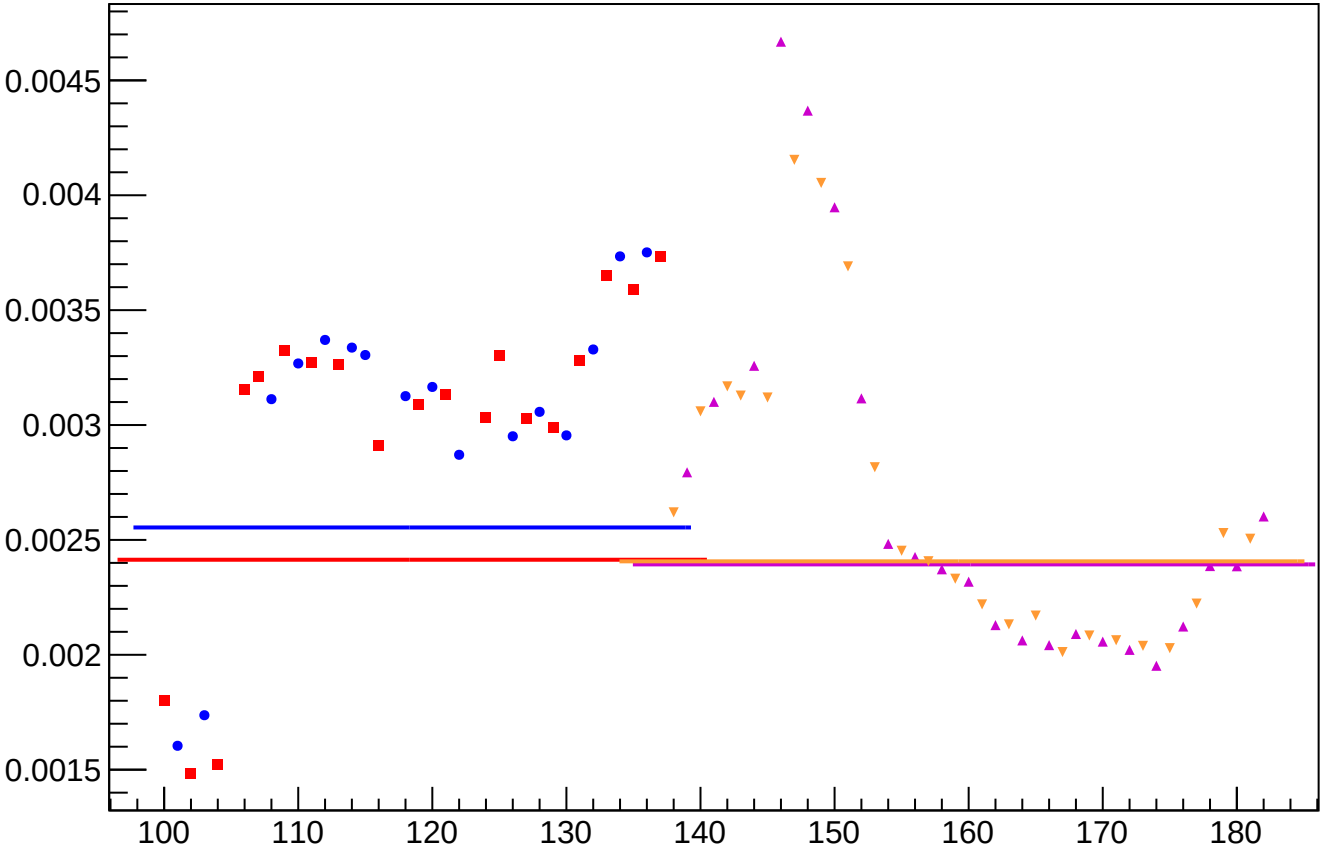
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.231+/-0.000 χ^2/NDF:4410606556747.6/37

Out: -0.313+/-0.000 χ^2/NDF:4529474343267.6/41

All: -0.273+/-0.000 χ^2/NDF: 8952754337914

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1212396.6/22

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1409483.2/21

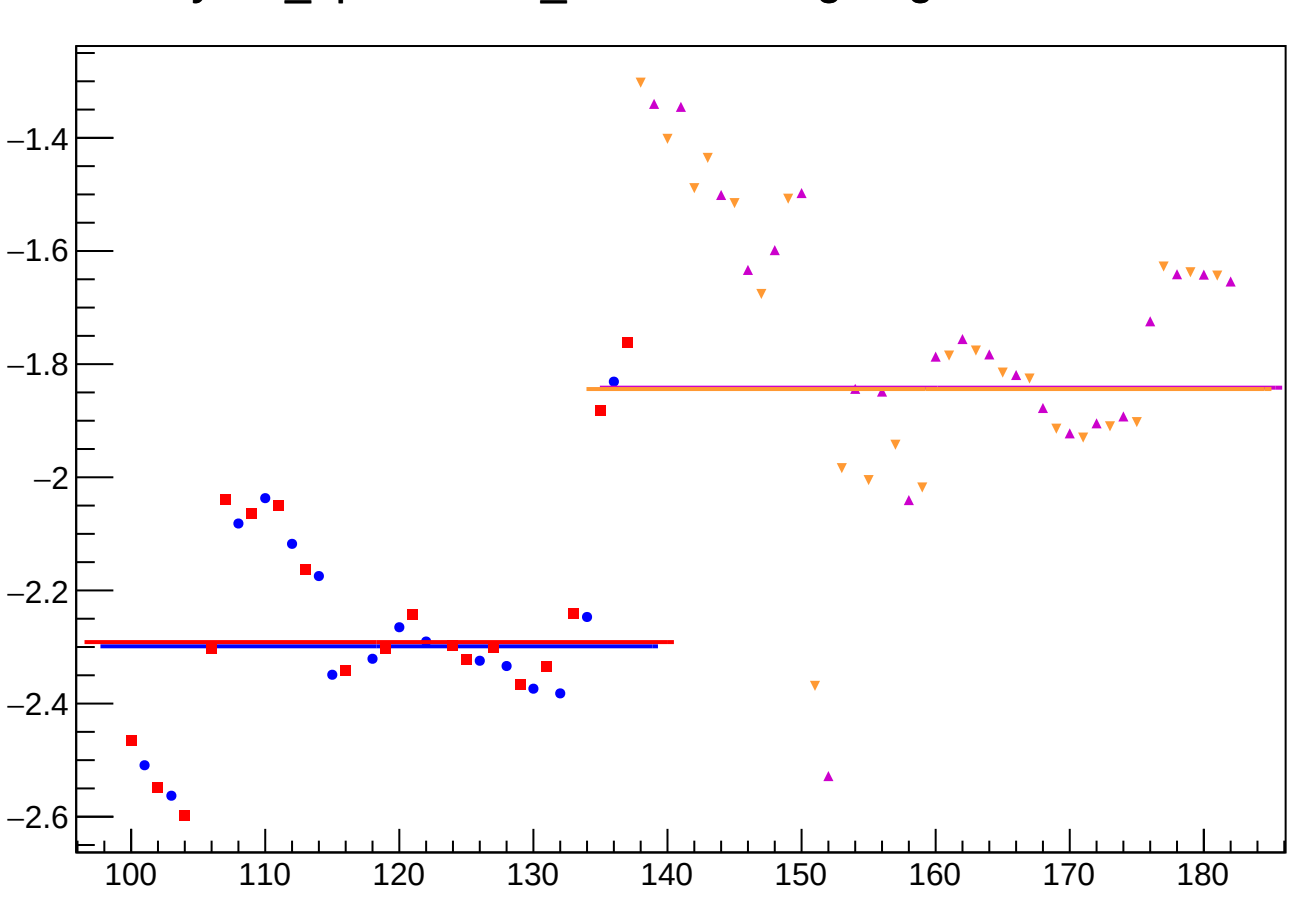
Left: 0.002+/-0.000 χ^2/NDF: 2622366.4/44

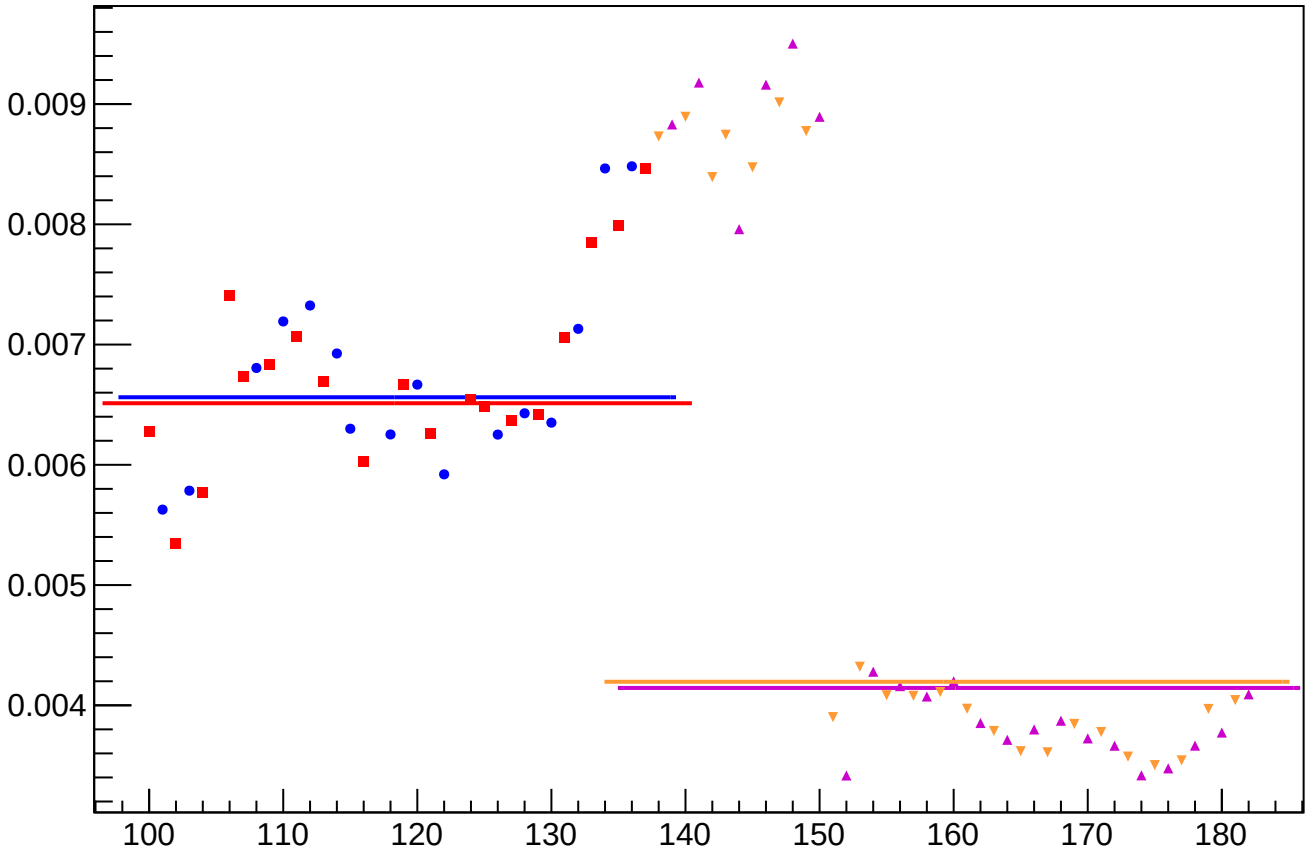
Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

In: 0.002+/-0.000 χ^2/NDF:2617745.5/37

Out: 0.002+/-0.000 χ^2/NDF:2759299.6/41

All: 0.002+/-0.000 χ^2/NDF: 5379479.2/79


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
170
180
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.844+/-0.000 χ²/NDF:36103086339.0/22
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.842+/-0.000 χ²/NDF:52679622916.3/21
Left: -1.843+/-0.000 χ²/NDF: 88785388284.3/44
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -1.909+/-0.000 χ²/NDF:87421070414.4/37
Out: -1.913+/-0.000 χ²/NDF:71264317220.0/41
All: -1.911+/-0.000 χ²/NDF: 158692412912.3



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:3091416.6/22

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3193376.9/21

Left: 0.004+/-0.000 χ^2/NDF: 6287218.6/44

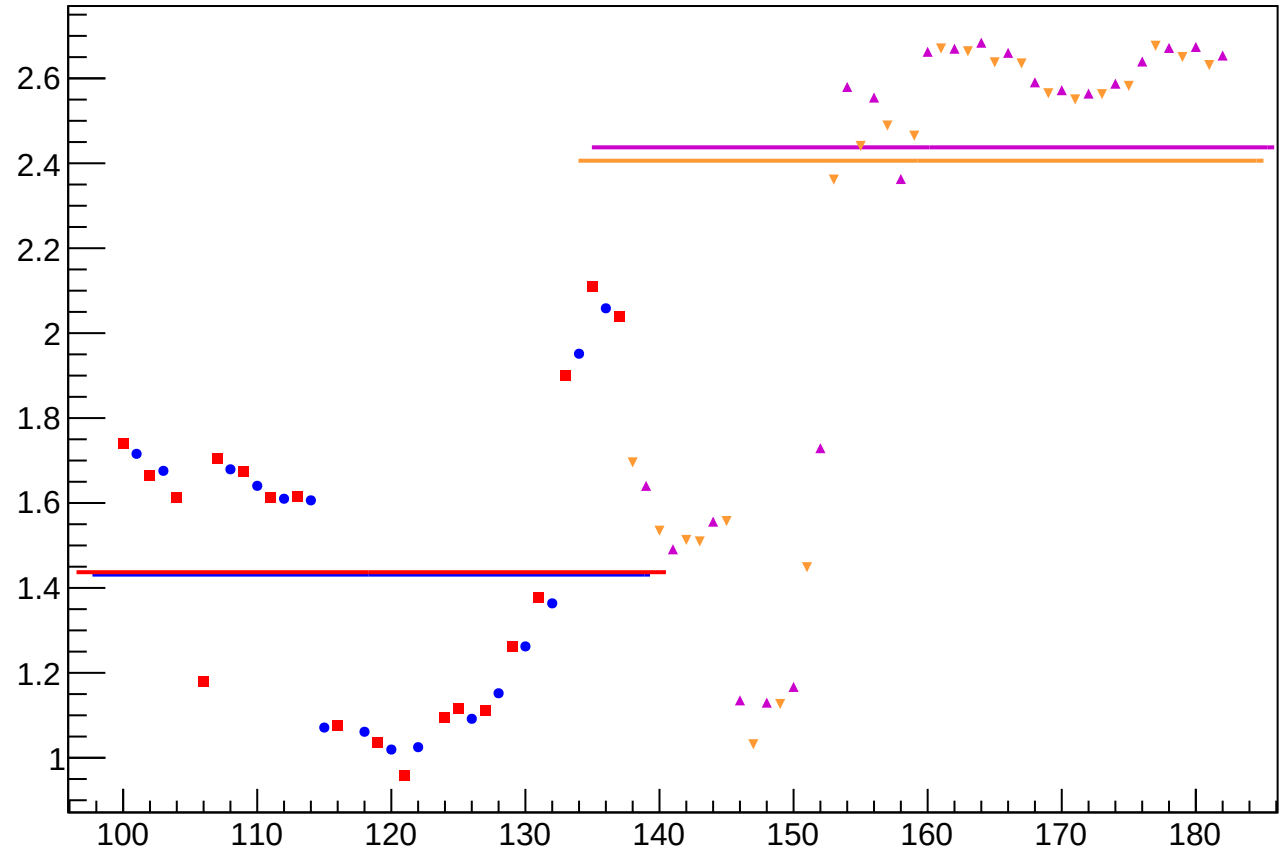
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:5015166.8/37

Out: 0.005+/-0.000 χ^2/NDF:4795668.6/41

All: 0.005+/-0.000 χ^2/NDF: 9813553.2/79

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.406+/-0.000 χ^2/NDF:239696909206.6/22

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.438+/-0.000 χ^2/NDF:230842019469.0/21

Left: 2.422+/-0.000 χ^2/NDF: 471267544333.1/44

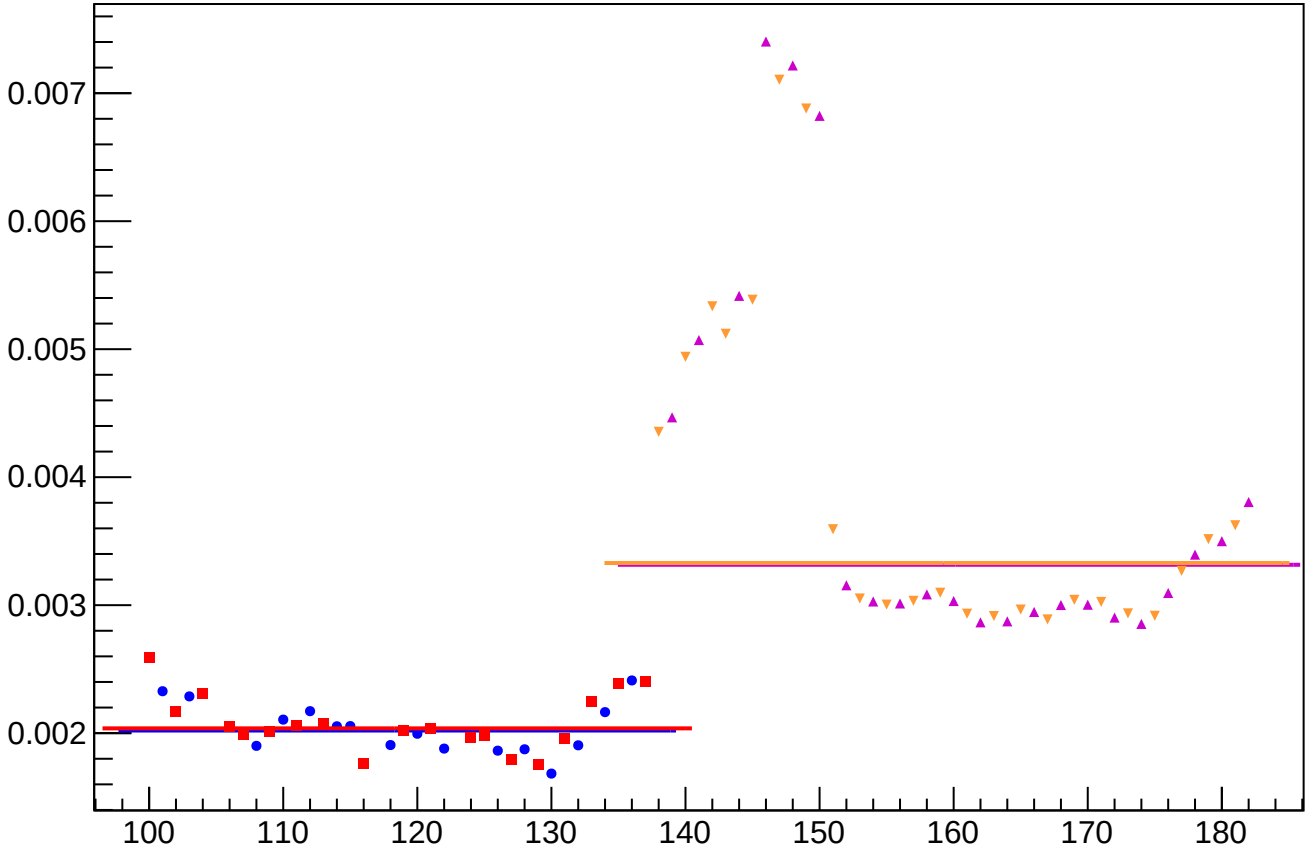
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.907+/-0.000 χ^2/NDF:1198498266288.0/37

Out: 1.898+/-0.000 χ^2/NDF:1151173020368.1/41

All: 1.903+/-0.000 χ^2/NDF: 2349790633905.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1784625.1/22

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2052492.4/21

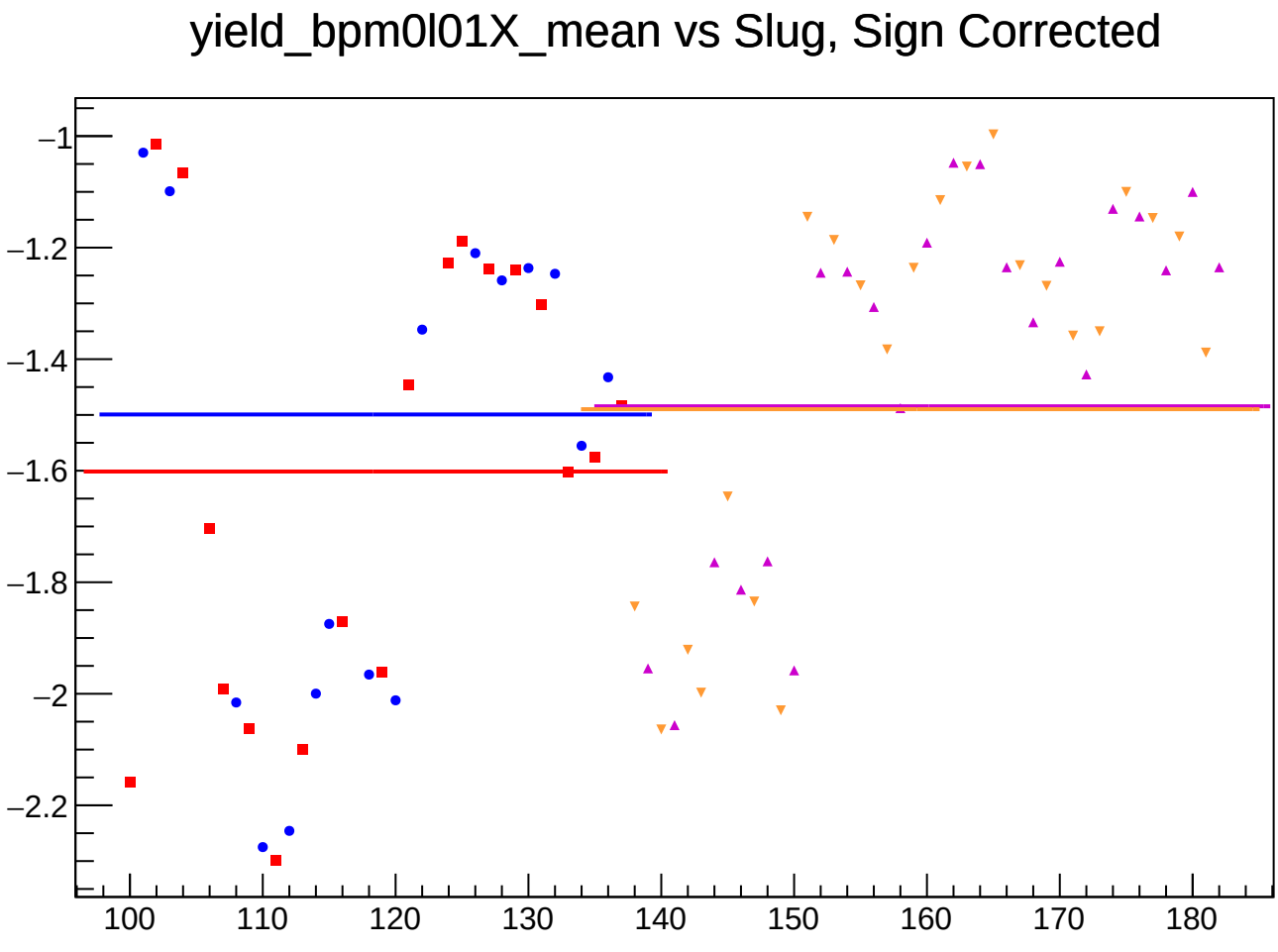
Left: 0.003+/-0.000 χ^2/NDF: 3837400.1/44

Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

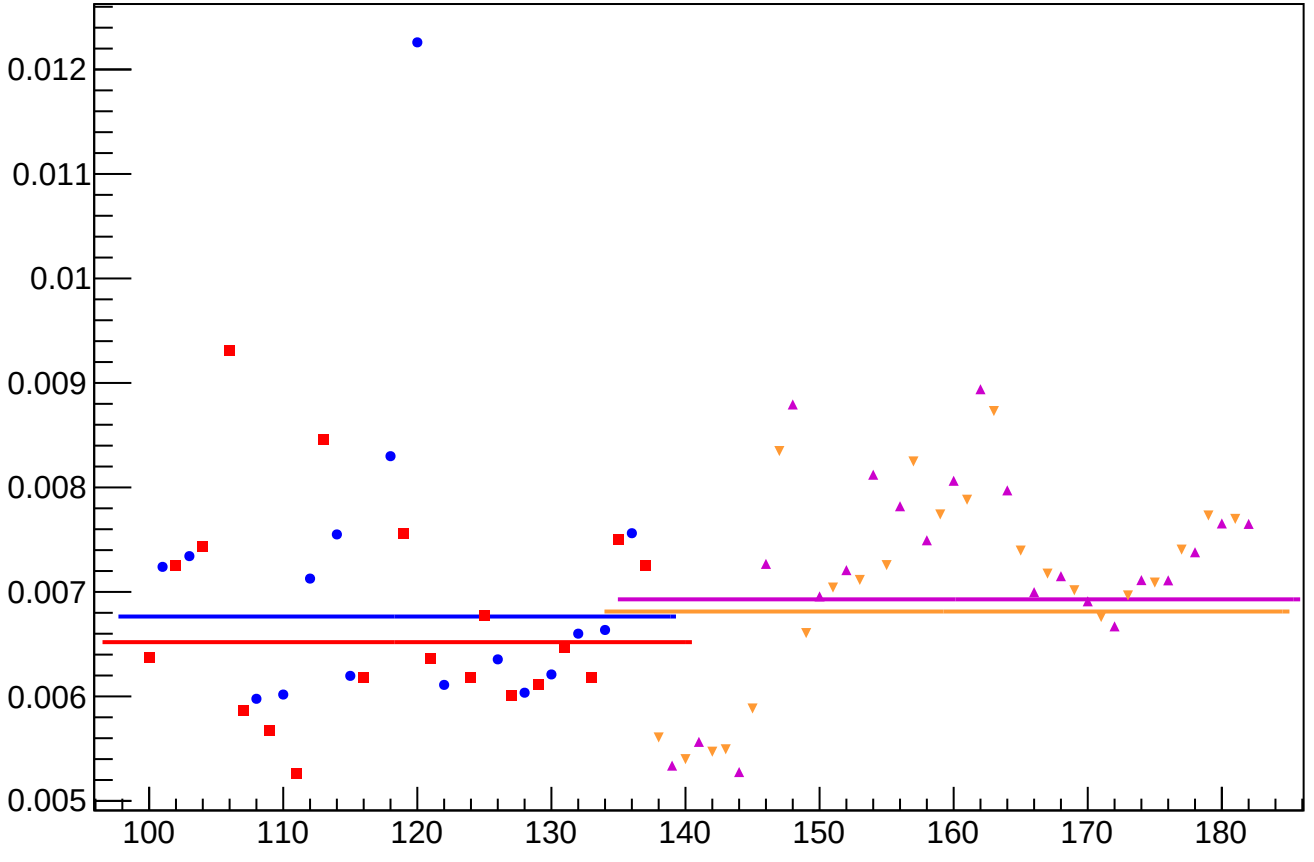
In: 0.003+/-0.000 χ^2/NDF:4785853.4/37

Out: 0.003+/-0.000 χ^2/NDF:4491097.9/41

All: 0.003+/-0.000 χ^2/NDF: 9278142.4/79


yield_bpm0l01X_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
170
180
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.490+/-0.000 χ²/NDF:48097894483.5/22
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.484+/-0.000 χ²/NDF:40310647769.3/21
Left: -1.487+/-0.000 χ²/NDF: 88413408383.5/44
Right: -1.554+/-0.000 χ²/NDF: 52047267484.5/34
In: -1.489+/-0.000 χ²/NDF:63262723114.2/37
Out: -1.524+/-0.000 χ²/NDF:77831220233.7/41
All: -1.507+/-0.000 χ²/NDF: 141408230873.8

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:667331.1/22

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:724220.3/21

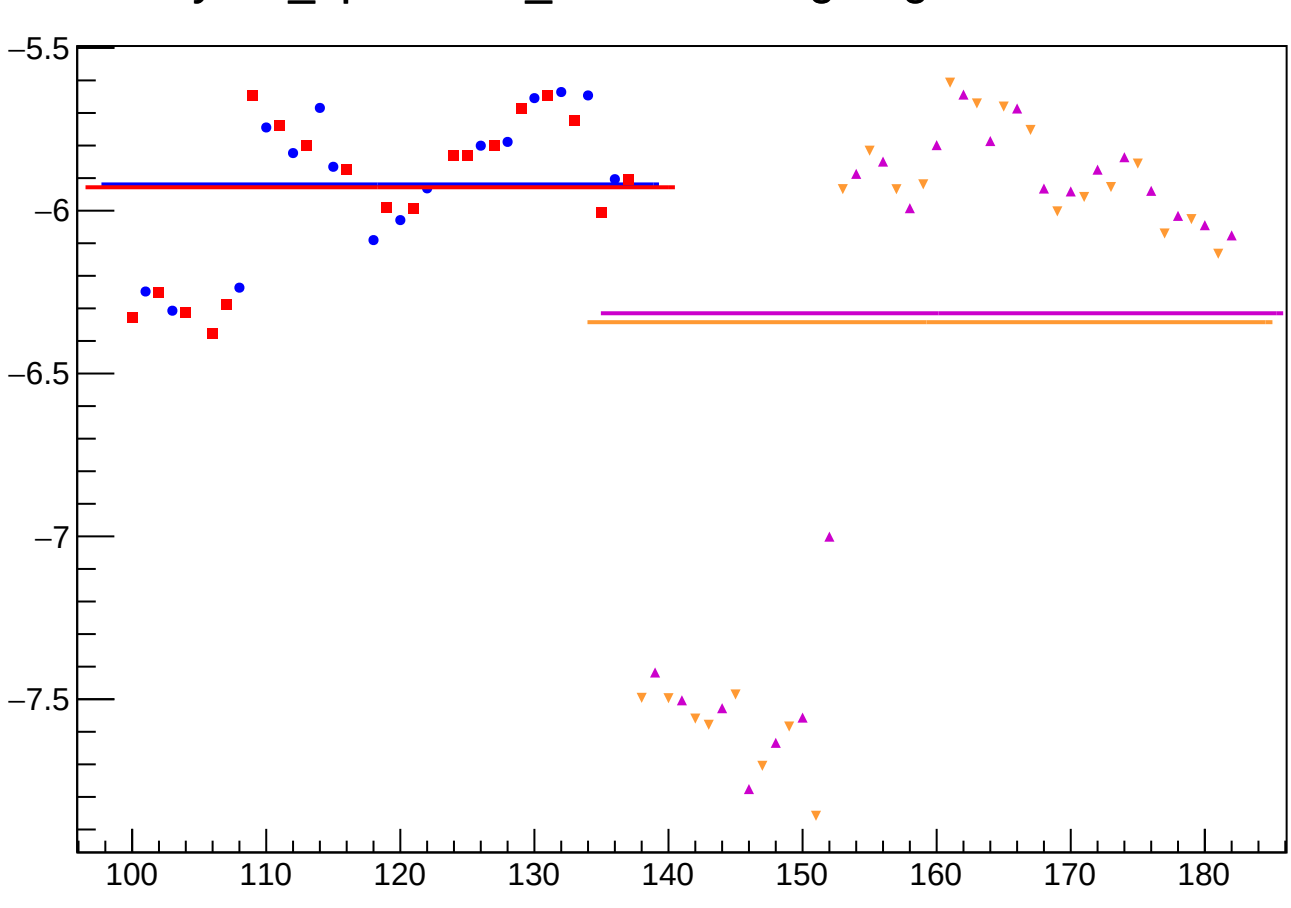
Left: 0.007+/-0.000 χ^2/NDF: 1396414.0/44

Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:968236.4/37

Out: 0.007+/-0.000 χ^2/NDF:932141.9/41

All: 0.007+/-0.000 χ^2/NDF: 1913188.0/79



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.342+/-0.000 χ^2/NDF:109300172723.9/22

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.315+/-0.000 χ^2/NDF:91364202850.9/21

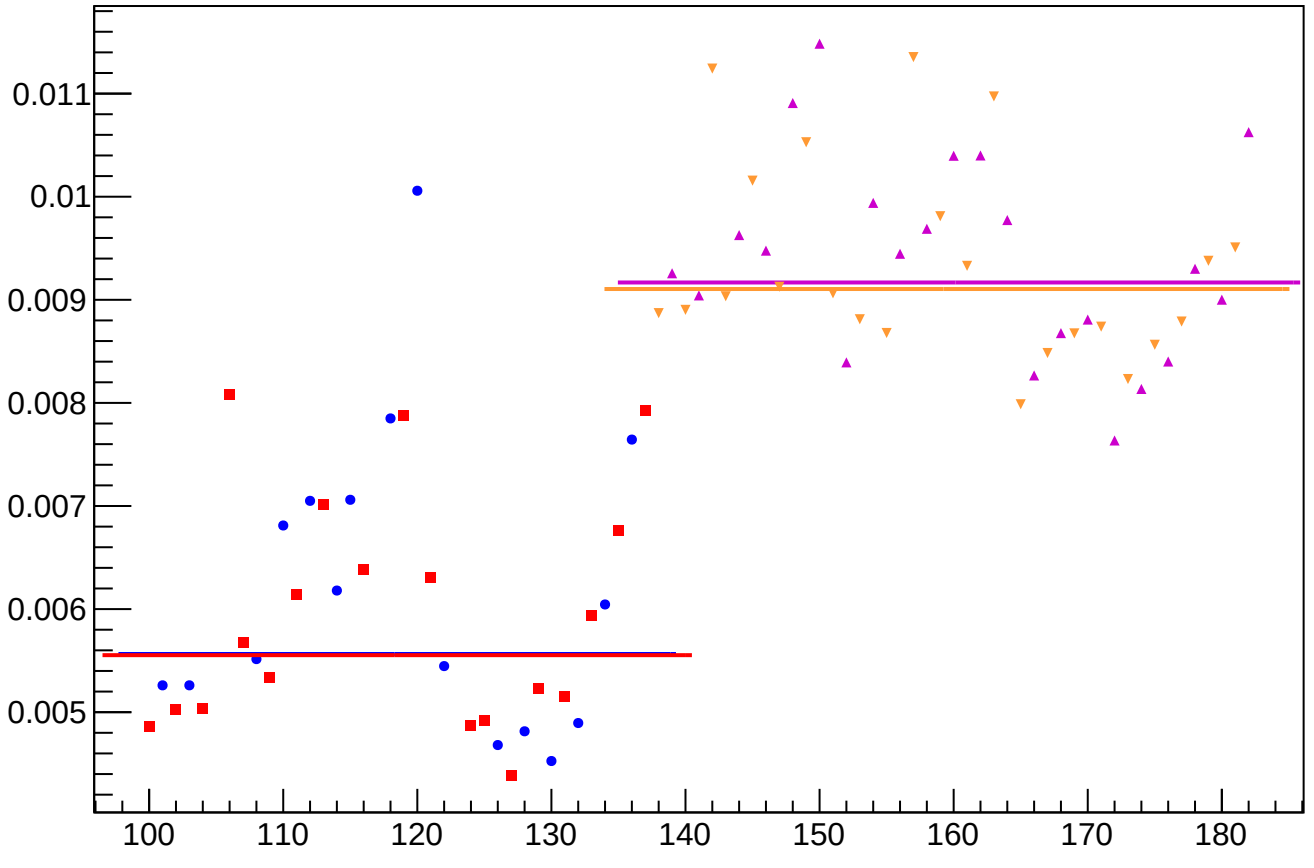
Left: -6.329+/-0.000 χ^2/NDF: 200733008206.3/44

Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.108+/-0.000 χ^2/NDF:117889630951.5/37

Out: -6.122+/-0.000 χ^2/NDF:138876776492.2/41

All: -6.115+/-0.000 χ^2/NDF: 256805403859.5



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:232775.6/22

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:310891.9/21

Left: 0.009+/-0.000 χ^2/NDF: 544403.2/44

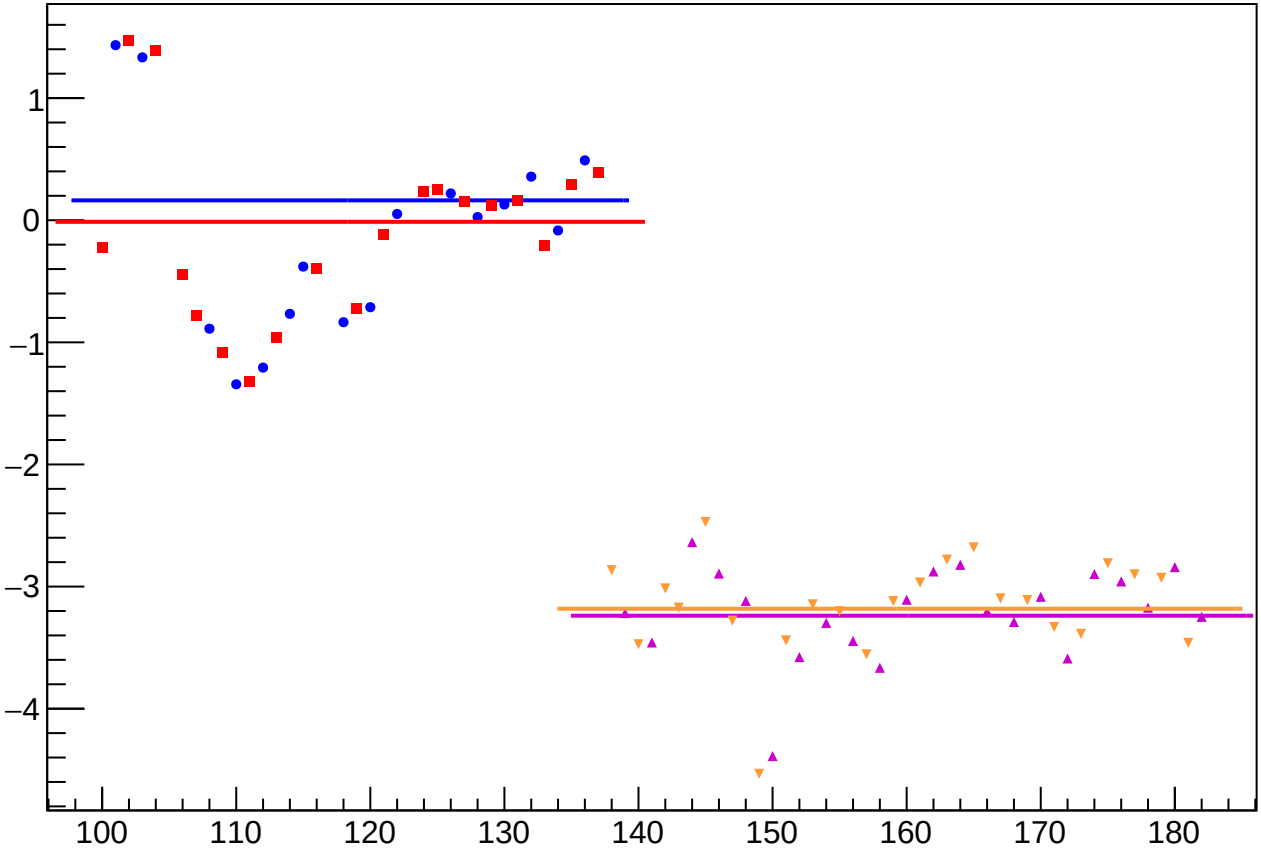
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:3260180.9/37

Out: 0.007+/-0.000 χ^2/NDF:3086916.2/41

All: 0.007+/-0.000 χ^2/NDF: 6348755.4/79

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.181+/-0.000 χ^2/NDF:9286470051.5/22

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.239+/-0.000 χ^2/NDF:7899955523.9/21

Left: -3.210+/-0.000 χ^2/NDF: 17281832174.4/44

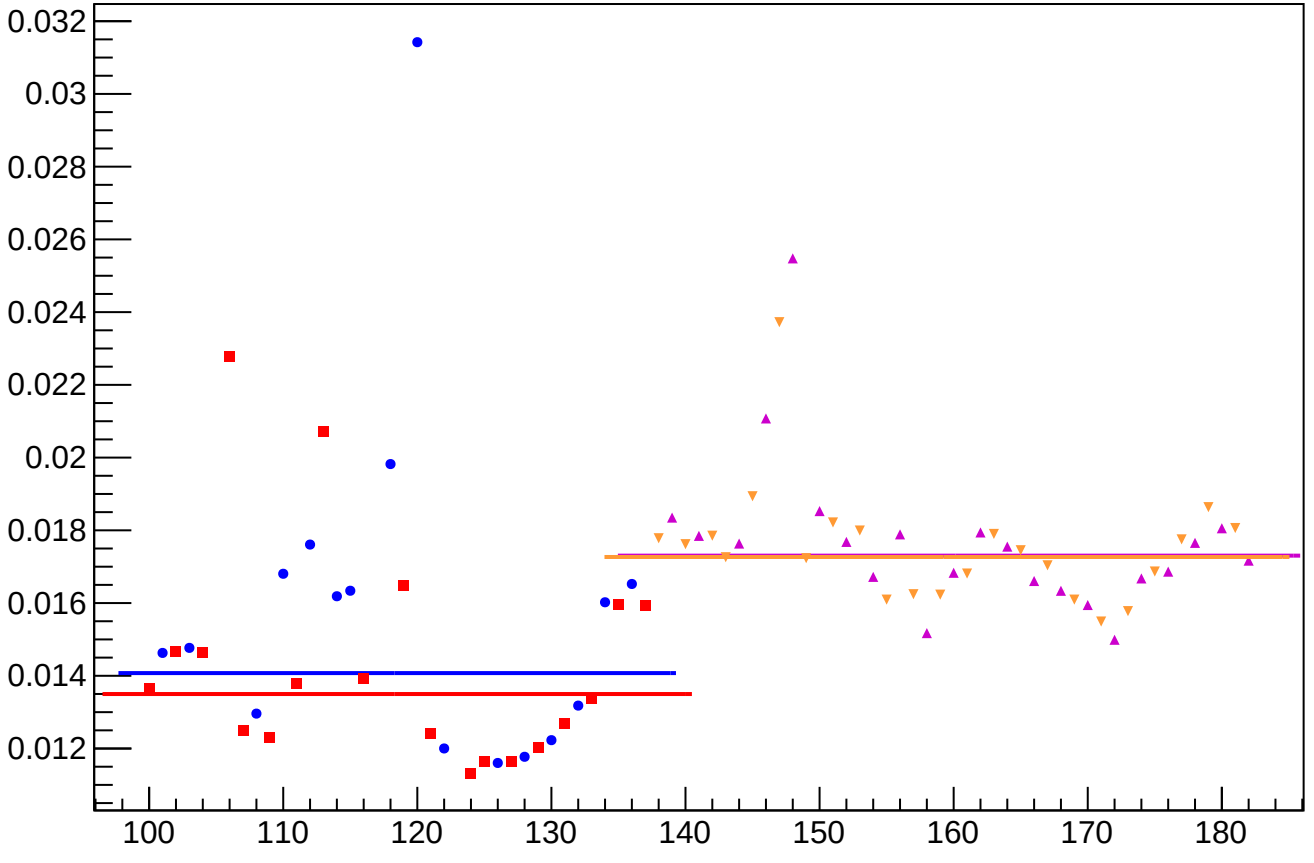
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -2.027+/-0.000 χ^2/NDF:262973485493.1/37

Out: -1.954+/-0.000 χ^2/NDF:260493471029.4/41

All: -1.990+/-0.000 χ^2/NDF: 523712545896.4

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:214708.2/22

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.017+/-0.000 χ^2/NDF:327060.5/21

Left: 0.017+/-0.000 χ^2/NDF: 541848.0/44

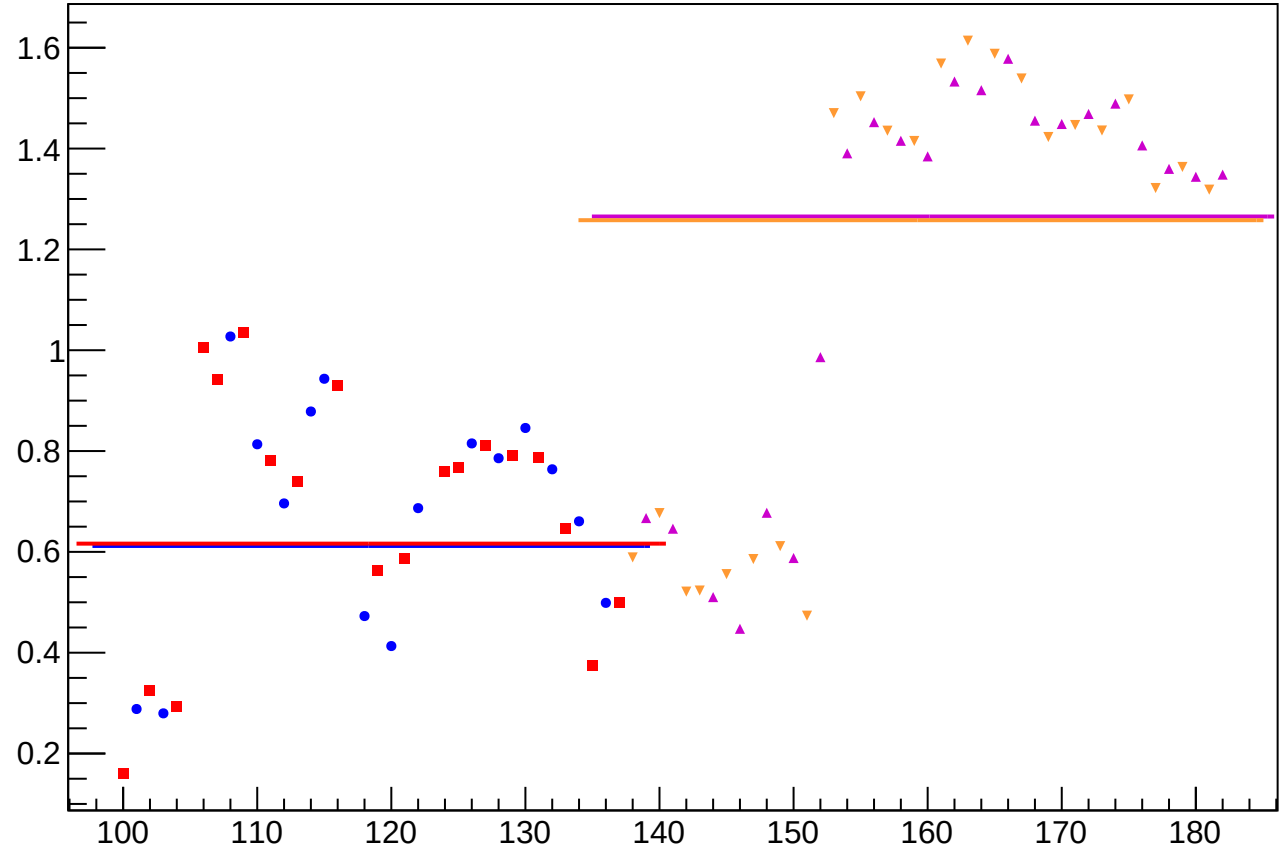
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1220085.4/37

Out: 0.016+/-0.000 χ^2/NDF:1176663.7/41

All: 0.016+/-0.000 χ^2/NDF: 2407833.7/79

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.258+/-0.000 χ^2/NDF:45291185760.1/22

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 1.265+/-0.000 χ^2/NDF:37540398531.5/21

Left: 1.262+/-0.000 χ^2/NDF: 82840342090.3/44

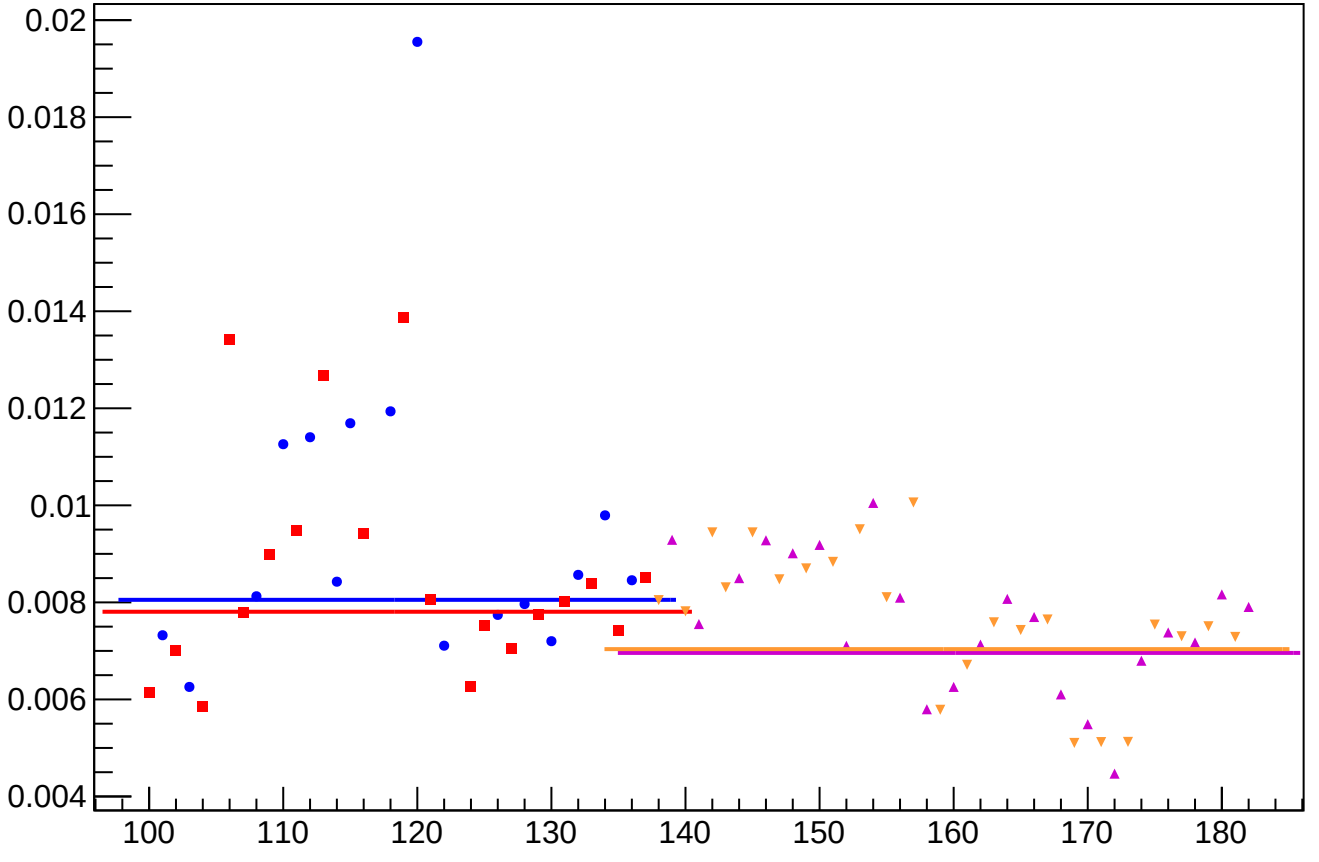
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 1.120+/-0.000 χ^2/NDF:74546289114.1/37

Out: 1.101+/-0.000 χ^2/NDF:84440817077.8/41

All: 1.110+/-0.000 χ^2/NDF: 159061239306.4

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:1409551.8/22

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1438395.5/21

Left: 0.007+/-0.000 χ^2/NDF: 2849955.4/44

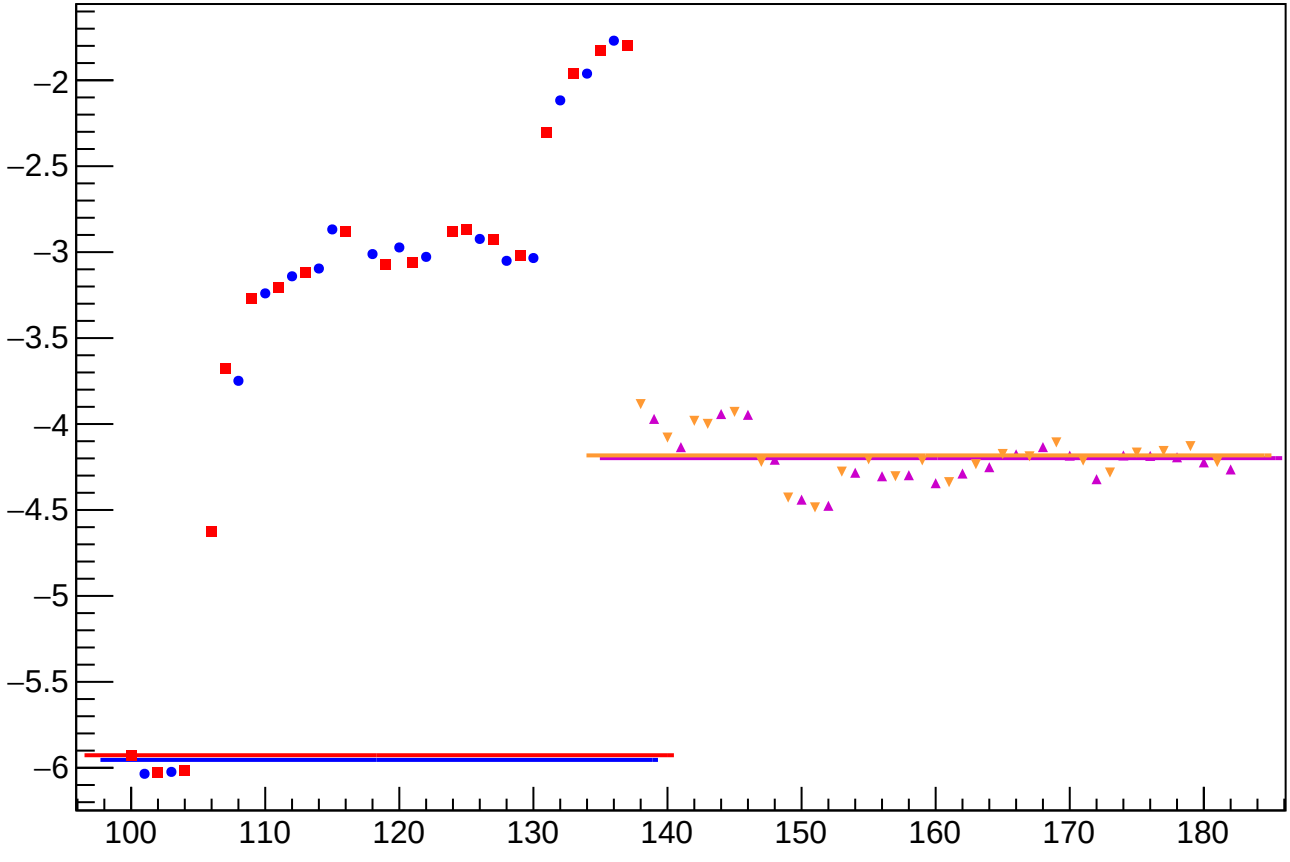
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.007+/-0.000 χ^2/NDF:2212571.5/37

Out: 0.007+/-0.000 χ^2/NDF:2091064.4/41

All: 0.007+/-0.000 χ^2/NDF: 4303861.5/79

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.183+/-0.000 χ^2/NDF:54323421.9/22

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.199+/-0.000 χ^2/NDF:41934609.6/21

Left: -4.193+/-0.000 χ^2/NDF: 96617300.1/44

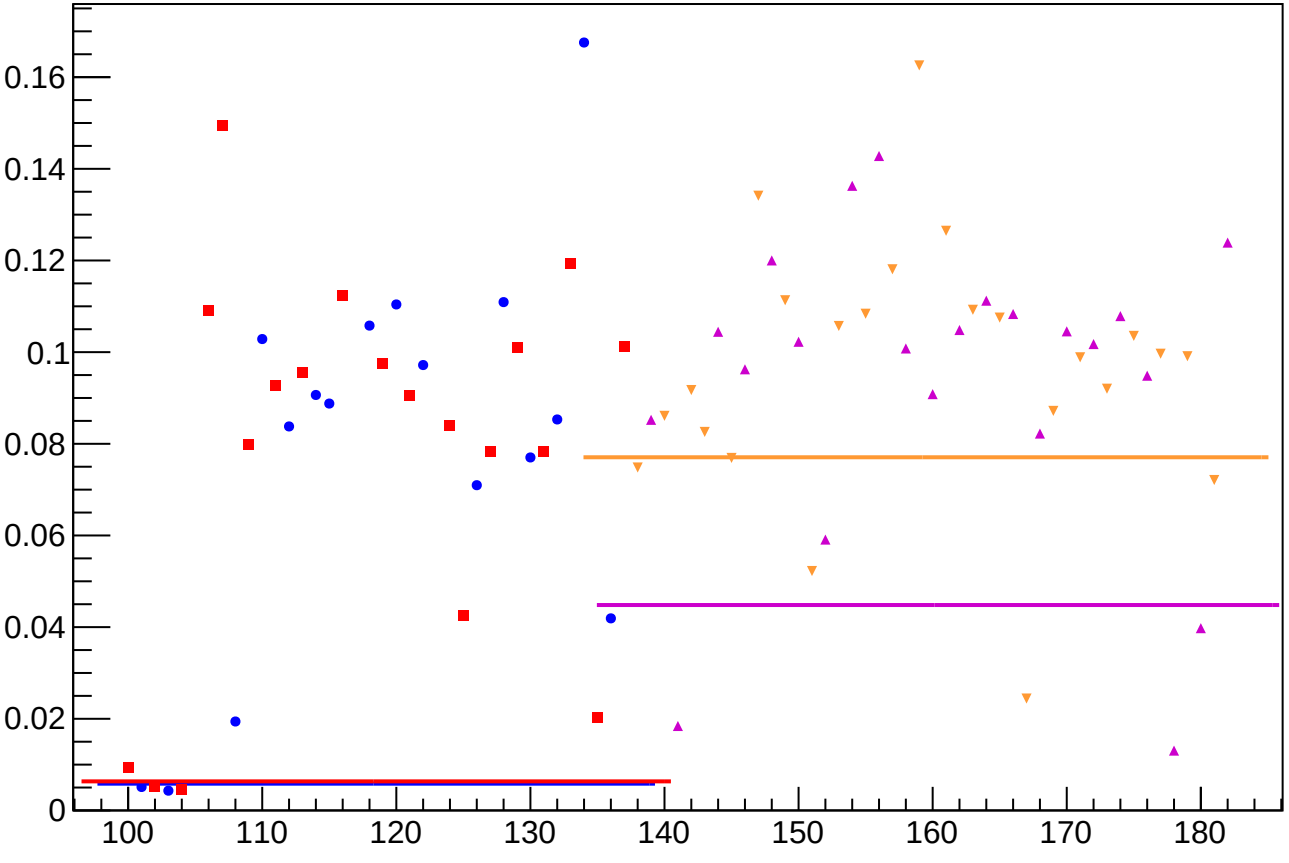
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.831+/-0.000 χ^2/NDF:24295523778.6/37

Out: -5.841+/-0.000 χ^2/NDF:20348776832.3/41

All: -5.835+/-0.000 χ^2/NDF: 44646624984.6/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.077+/-0.000 χ^2/NDF:4679502.6/22

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.045+/-0.000 χ^2/NDF:12515879.3/21

Left: 0.056+/-0.000 χ^2/NDF: 20119454.6/44

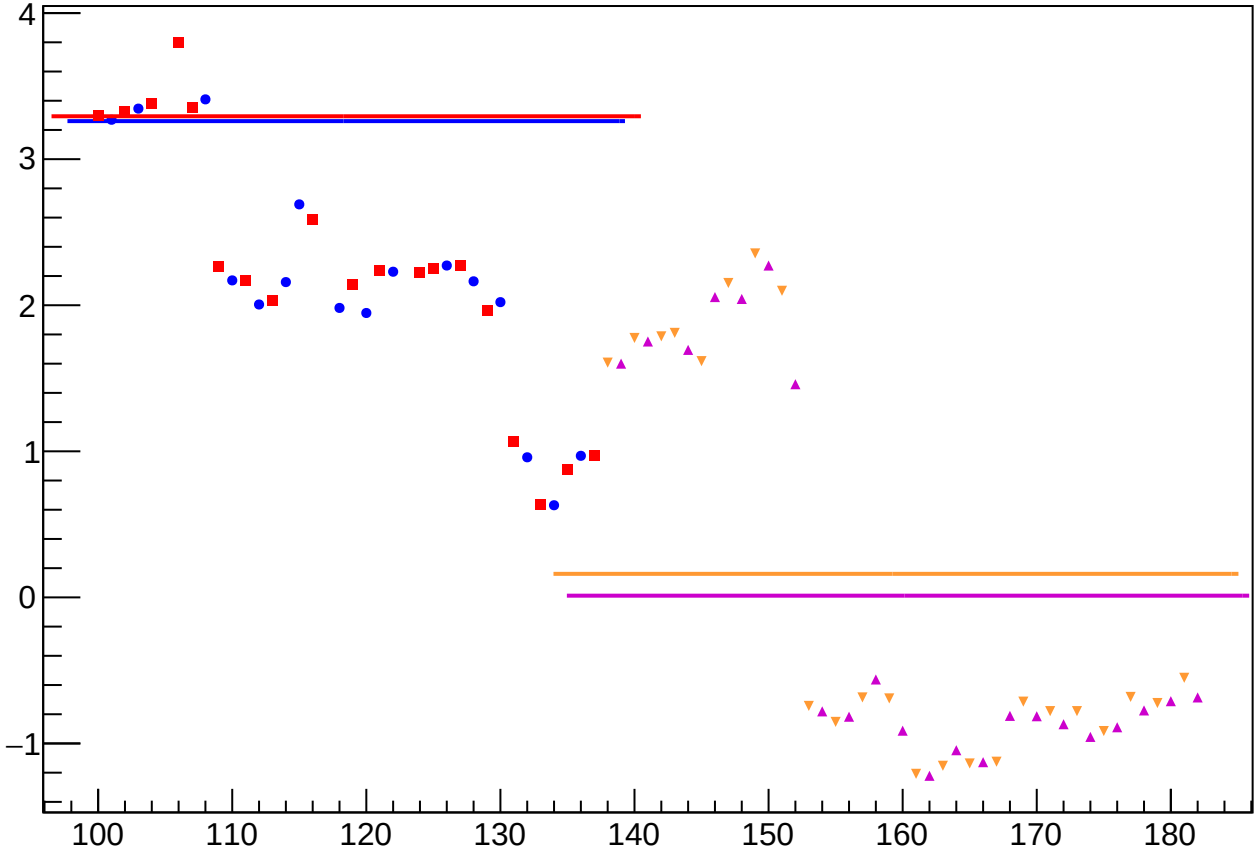
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.009+/-0.000 χ^2/NDF:32213473.7/37

Out: 0.010+/-0.000 χ^2/NDF:34374175.8/41

All: 0.009+/-0.000 χ^2/NDF: 66666619.1/79

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.161+/-0.000 χ^2/NDF:3452490085.0/22

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 0.012+/-0.000 χ^2/NDF:3404084074.6/21

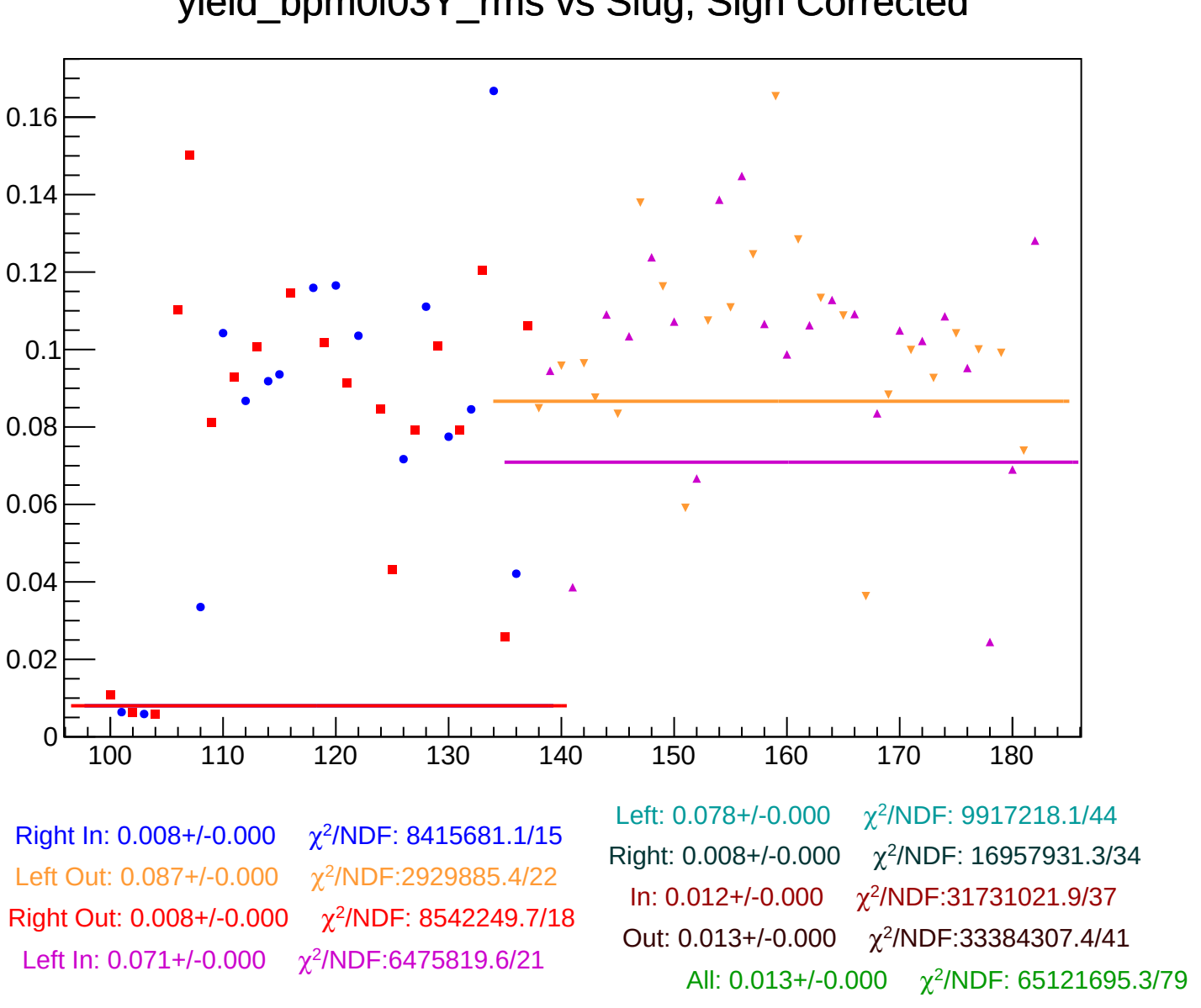
Left: 0.079+/-0.000 χ^2/NDF: 6879645403.6/44

Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

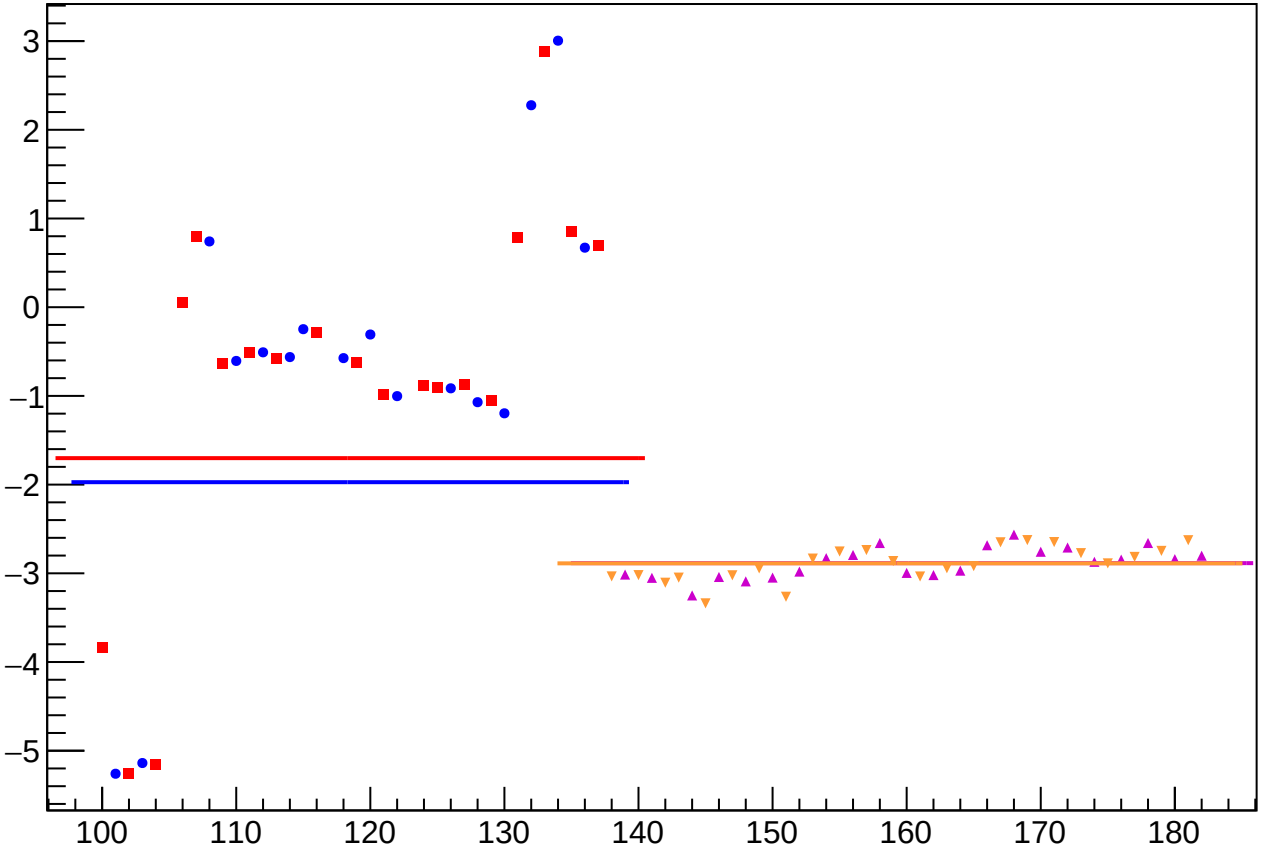
In: 3.037+/-0.000 χ^2/NDF:28882705781.6/37

Out: 3.104+/-0.000 χ^2/NDF:24088001623.0/41

All: 3.070+/-0.000 χ^2/NDF: 53041458661.8/7


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
170
180
Right In: 0.008+/-0.000 χ²/NDF: 8415681.1/15
Left Out: 0.087+/-0.000 χ²/NDF:2929885.4/22
Right Out: 0.008+/-0.000 χ²/NDF: 8542249.7/18
Left In: 0.071+/-0.000 χ²/NDF:6475819.6/21
Left: 0.078+/-0.000 χ²/NDF: 9917218.1/44
Right: 0.008+/-0.000 χ²/NDF: 16957931.3/34
In: 0.012+/-0.000 χ²/NDF:31731021.9/37
Out: 0.013+/-0.000 χ²/NDF:33384307.4/41
All: 0.013+/-0.000 χ²/NDF: 65121695.3/79

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.888+/-0.000 χ^2/NDF:10228593231.6/22

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.885+/-0.000 χ^2/NDF:8131263653.7/21

Left: -2.887+/-0.000 χ^2/NDF: 18360634790.3/44

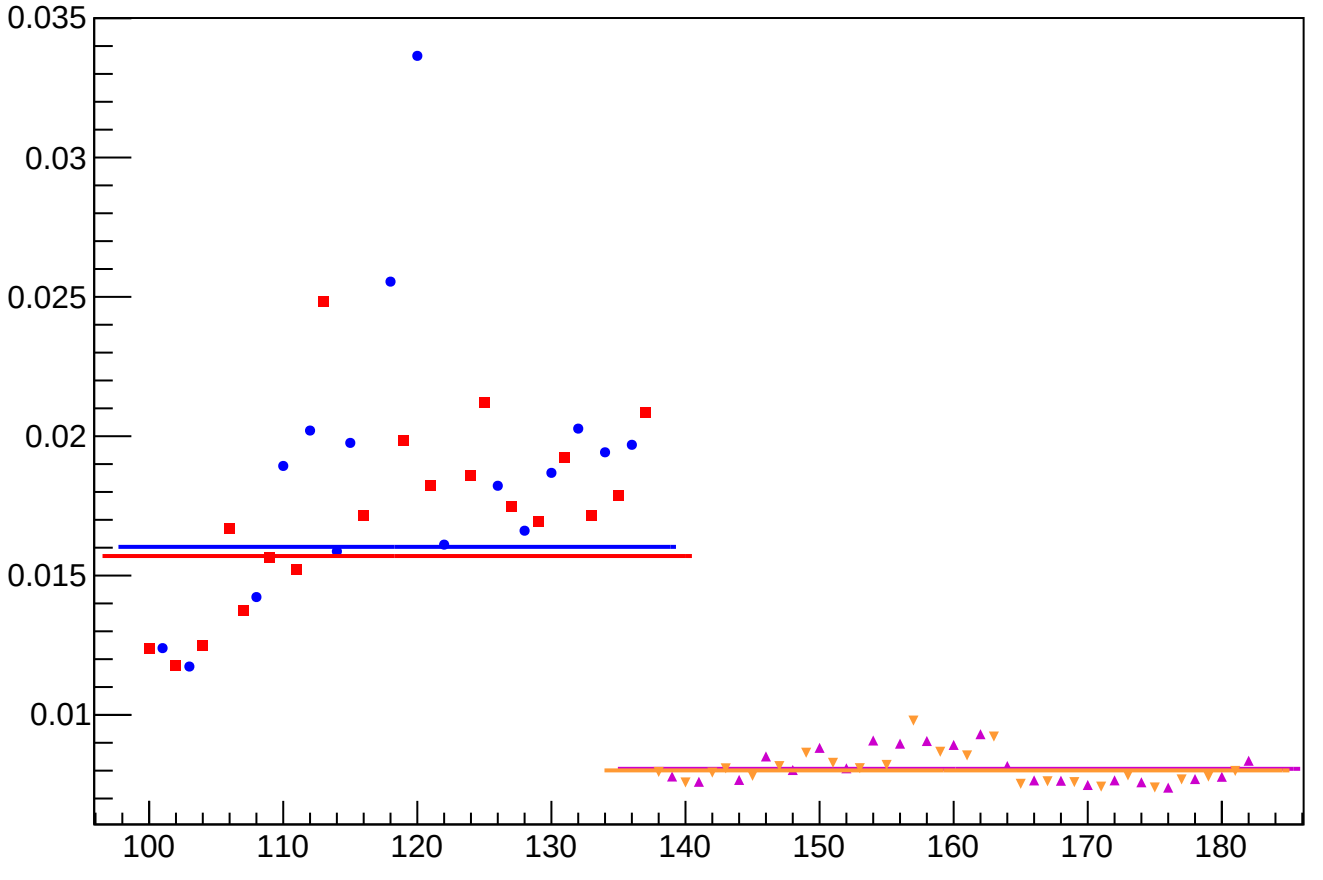
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.813+/-0.000 χ^2/NDF:187484258503.5/37

Out: -2.785+/-0.000 χ^2/NDF:211580464229.0/41

All: -2.799+/-0.000 χ^2/NDF: 399181053061.1

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:151193.3/22

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:175429.9/21

Left: 0.008+/-0.000 χ^2/NDF: 327477.7/44

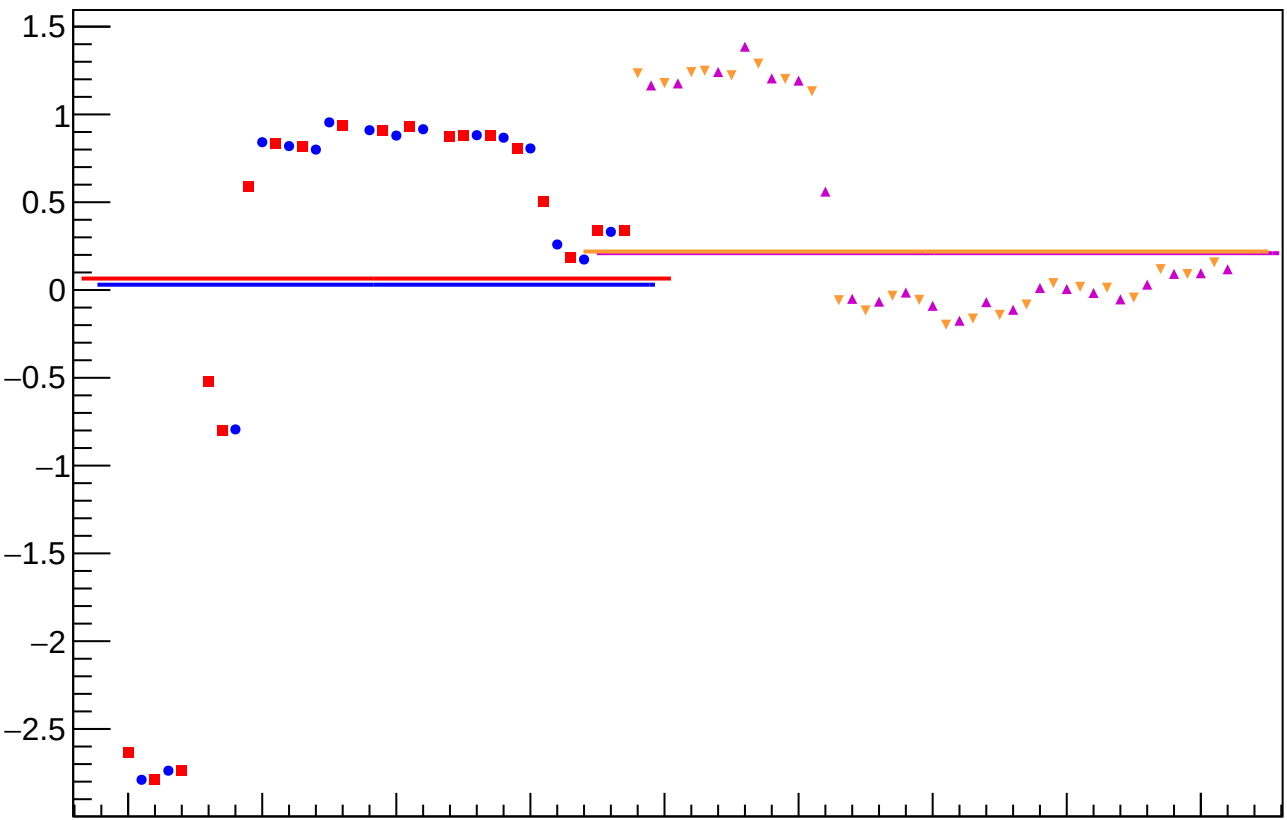
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3558044.5/37

Out: 0.009+/-0.000 χ^2/NDF:3447840.3/41

All: 0.009+/-0.000 χ^2/NDF: 7005996.4/79

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.219+/-0.000 χ^2/NDF:102277020553.5/22

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.210+/-0.000 χ^2/NDF:86939816626.6/21

Left: 0.215+/-0.000 χ^2/NDF: 189235186357.4/44

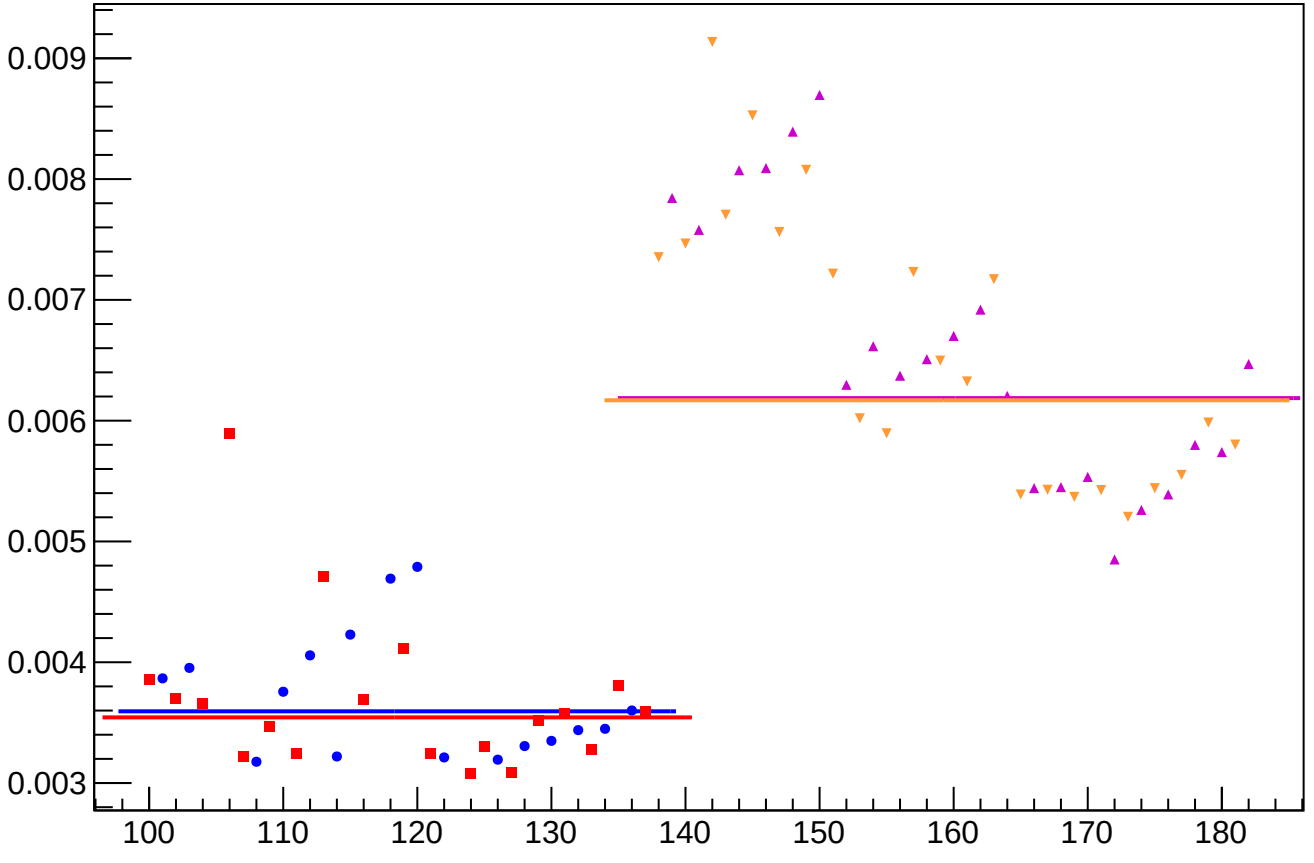
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.109+/-0.000 χ^2/NDF:945988153496.0/37

Out: 0.131+/-0.000 χ^2/NDF:1043409601497.9/41

All: 0.120+/-0.000 χ^2/NDF: 1989626604141.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:736166.9/22

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.006+/-0.000 χ^2/NDF:814096.6/21

Left: 0.006+/-0.000 χ^2/NDF: 1550397.8/44

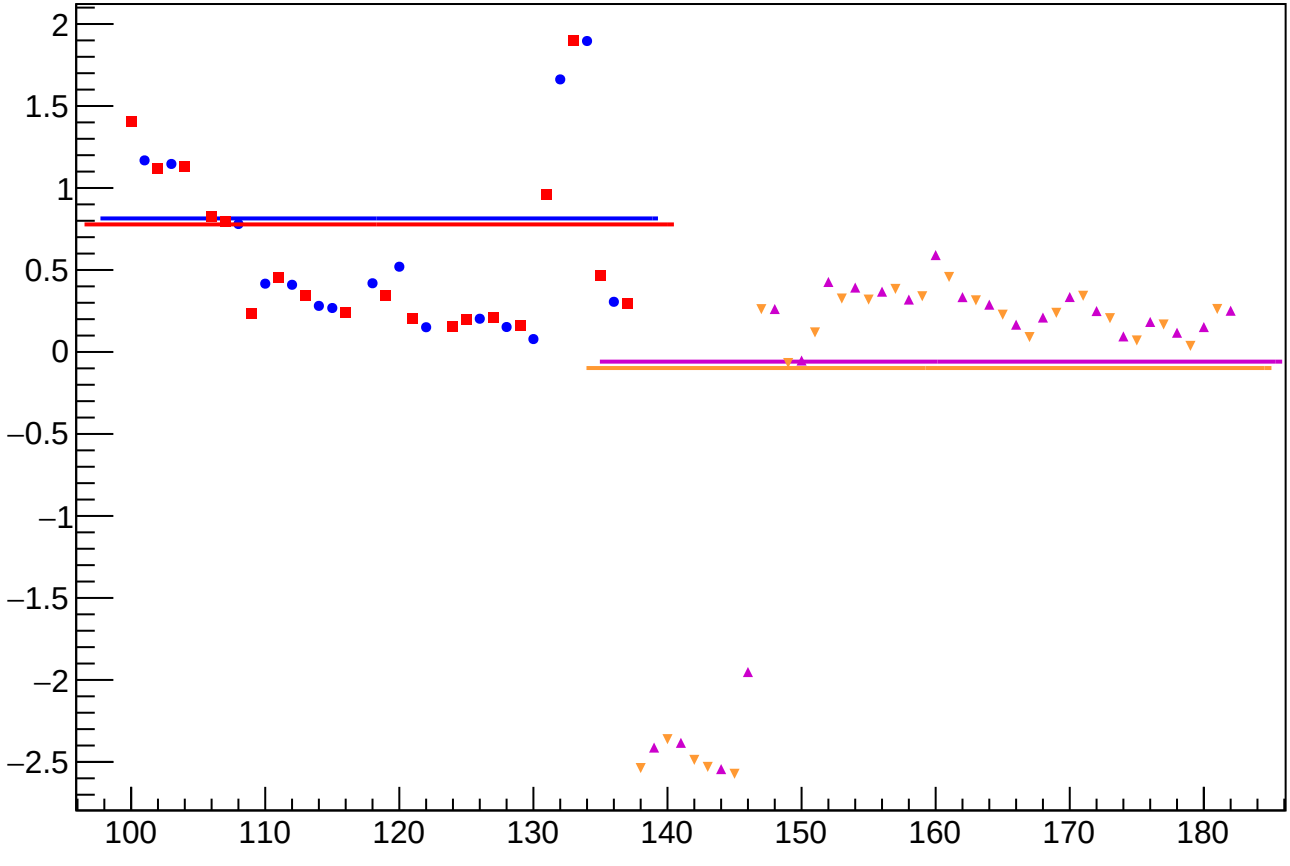
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.005+/-0.000 χ^2/NDF:4069776.6/37

Out: 0.005+/-0.000 χ^2/NDF:4251888.4/41

All: 0.005+/-0.000 χ^2/NDF: 8326125.9/79

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.098+/-0.000 χ^2/NDF:385199697725.5/22

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.059+/-0.000 χ^2/NDF:346441139435.2/21

Left: -0.079+/-0.000 χ^2/NDF: 732007839982.9/44

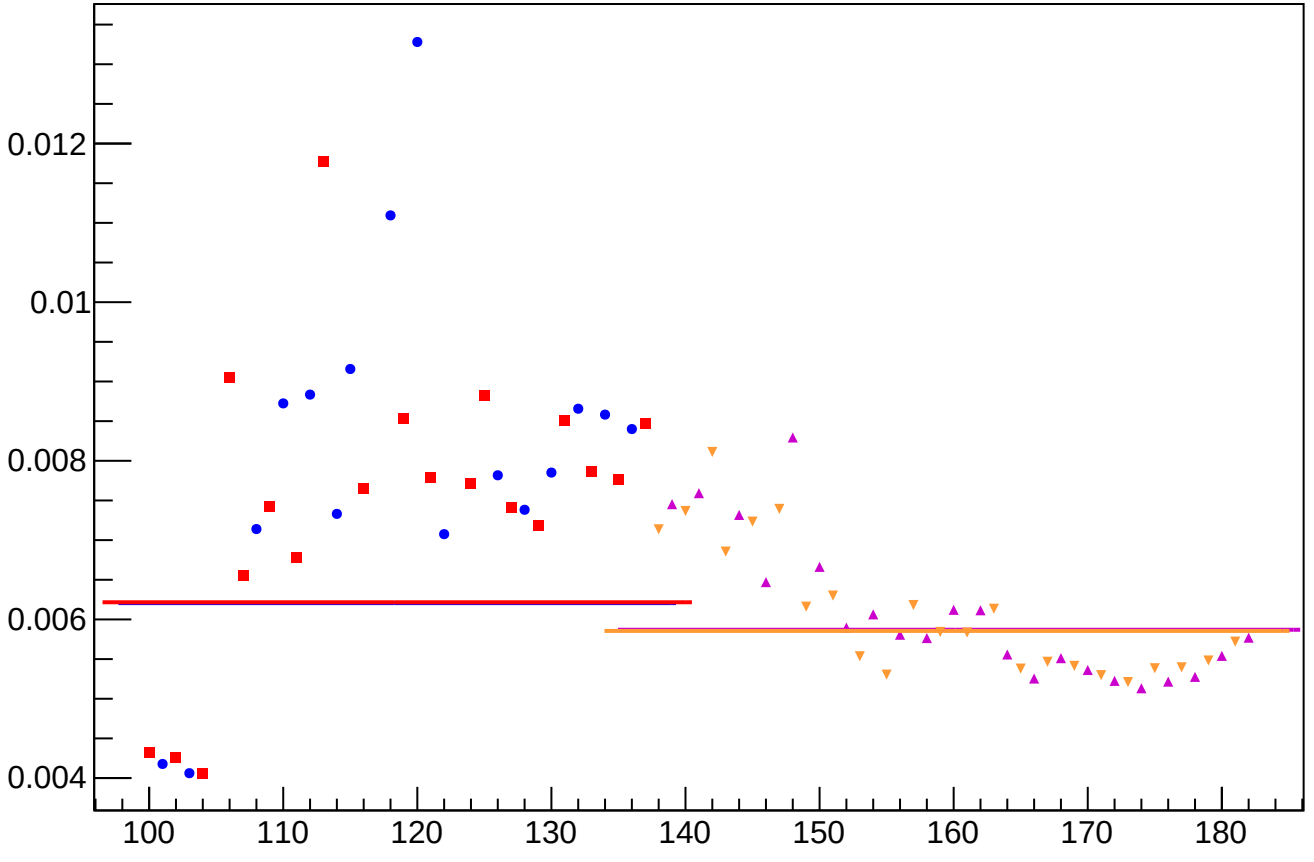
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.144+/-0.000 χ^2/NDF:466366282361.6/37

Out: 0.115+/-0.000 χ^2/NDF:510074267616.1/41

All: 0.129+/-0.000 χ^2/NDF: 976703511615.7

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:438620.7/22

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:520451.8/21

Left: 0.006+/-0.000 χ^2/NDF: 959178.0/44

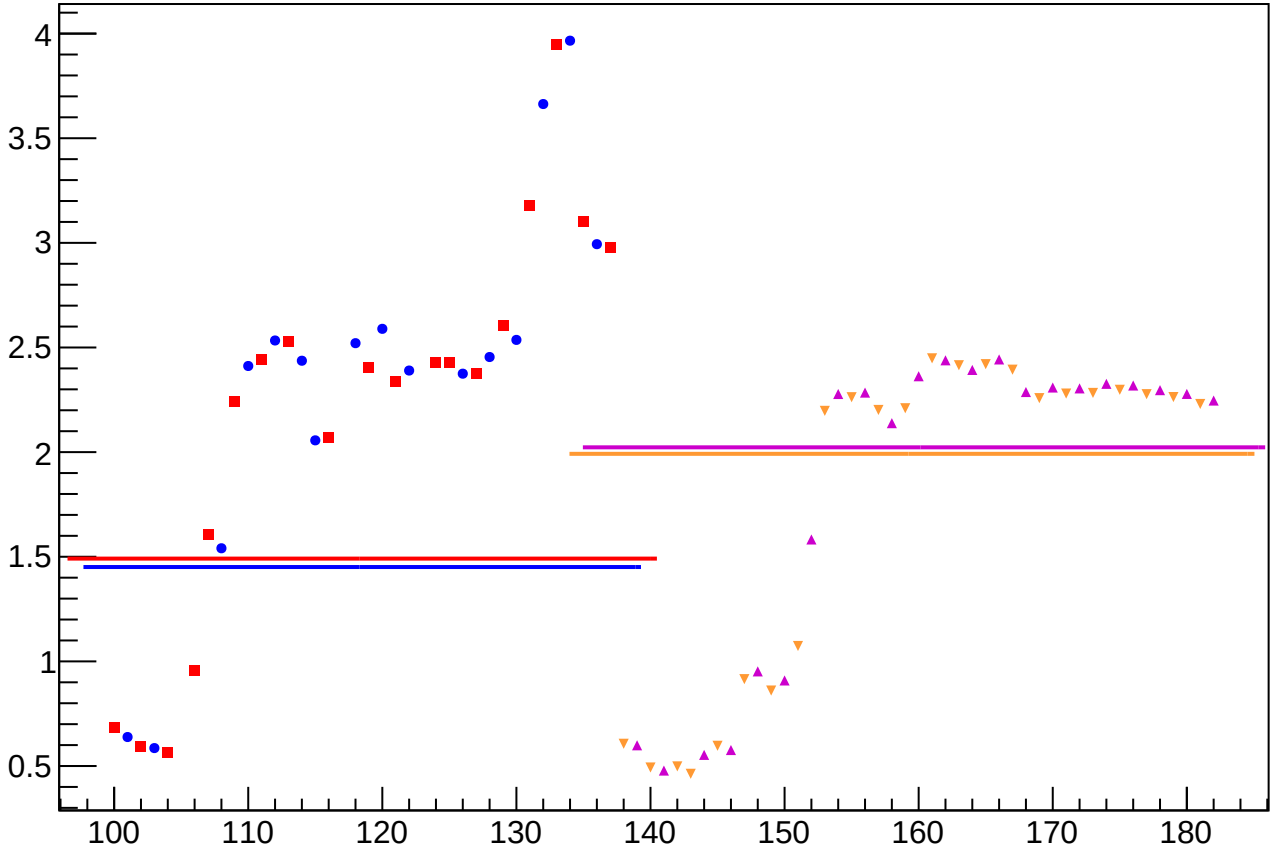
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1969381.7/37

Out: 0.006+/-0.000 χ^2/NDF:1630460.9/41

All: 0.006+/-0.000 χ^2/NDF: 3599858.5/79

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.992+/-0.000 χ^2/NDF:217068991060.3/22

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 2.023+/-0.000 χ^2/NDF:193802687975.6/21

Left: 2.007+/-0.000 χ^2/NDF: 411126201580.3/44

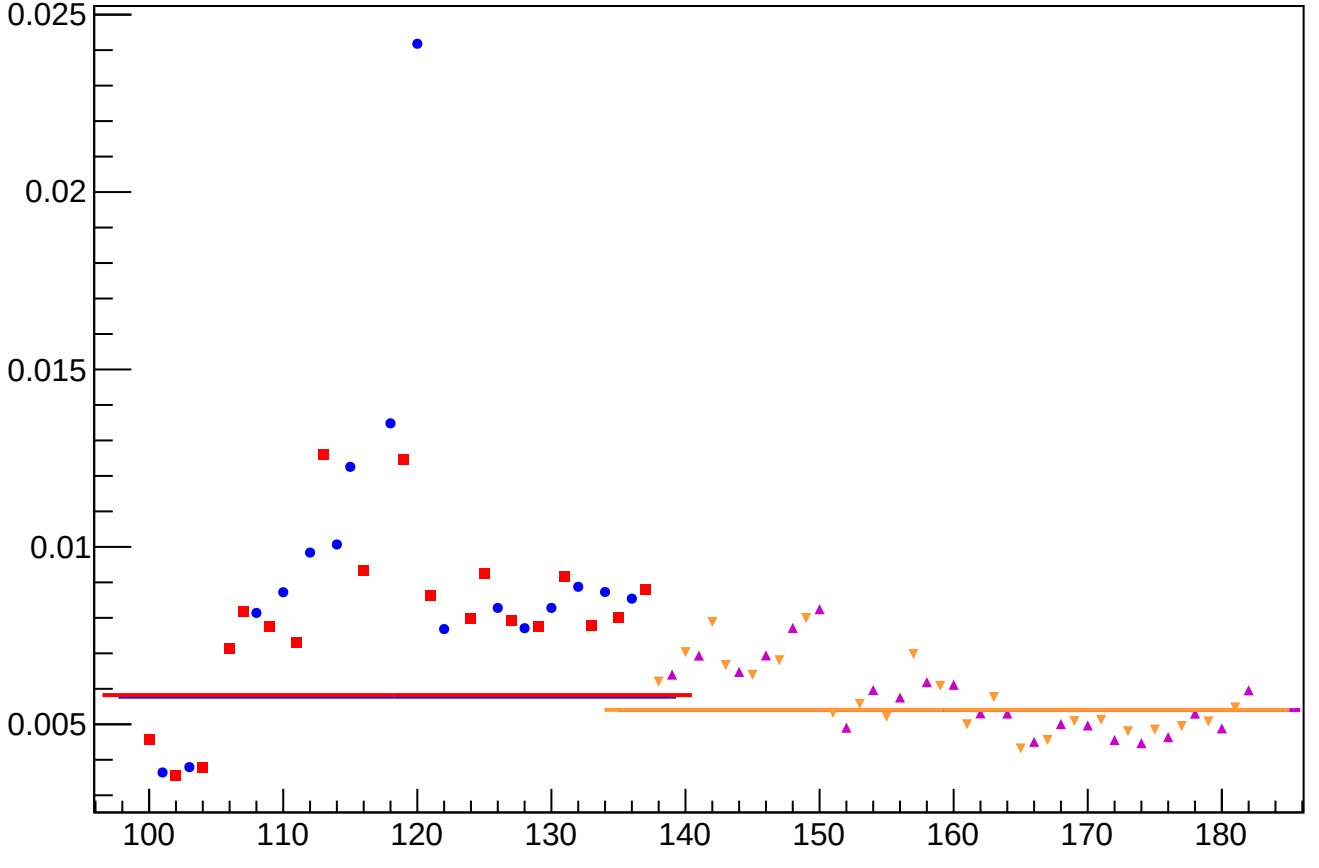
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.896+/-0.000 χ^2/NDF:401553711992.0/37

Out: 1.875+/-0.000 χ^2/NDF:435062545018.1/41

All: 1.885+/-0.000 χ^2/NDF: 836756750767.4

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:709721.0/22

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:814244.4/21

Left: 0.005+/-0.000 χ^2/NDF: 1523981.1/44

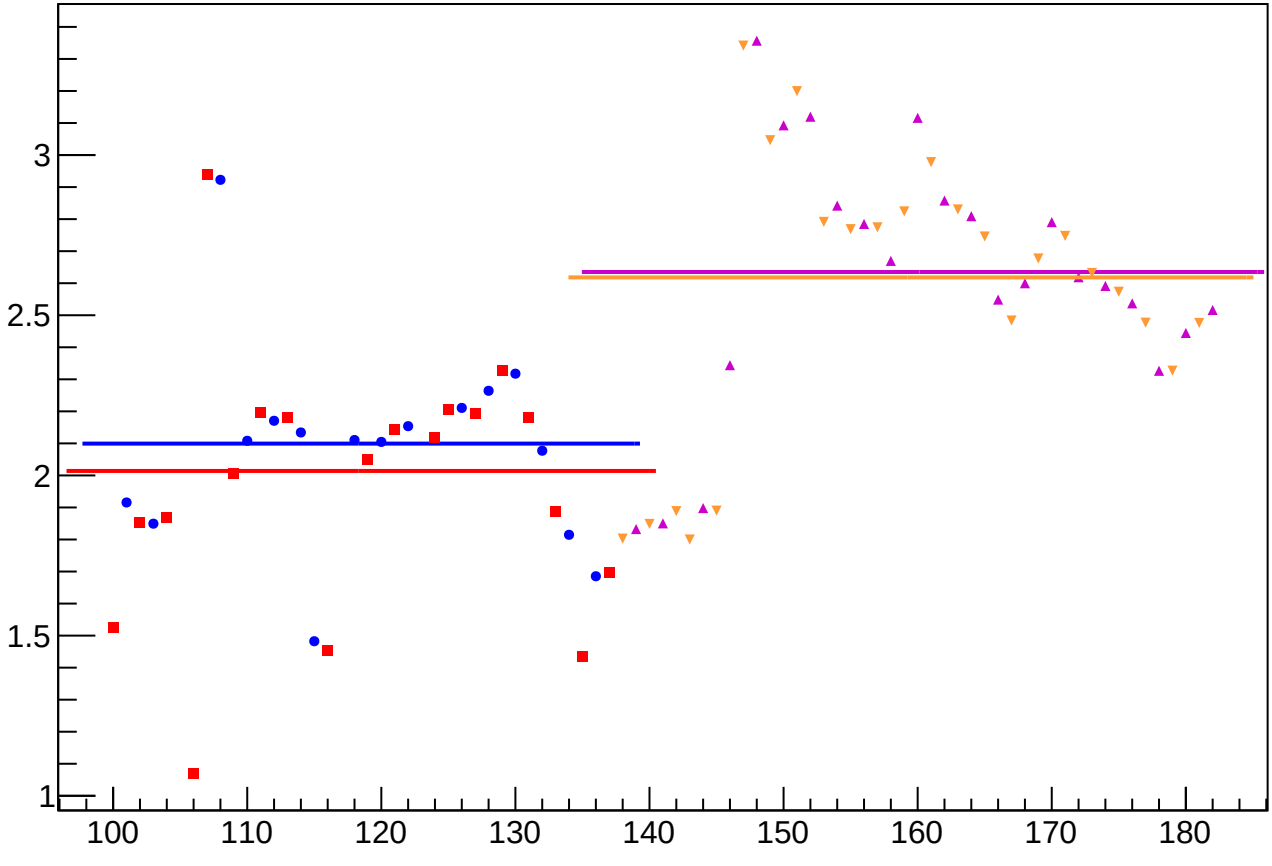
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.005+/-0.000 χ^2/NDF:3061593.0/37

Out: 0.006+/-0.000 χ^2/NDF:2708501.8/41

All: 0.005+/-0.000 χ^2/NDF: 5770319.2/79

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.618+/-0.000 χ^2/NDF:46247882963.0/22

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.635+/-0.000 χ^2/NDF:40405884865.9/21

Left: 2.627+/-0.000 χ^2/NDF: 86697279378.5/44

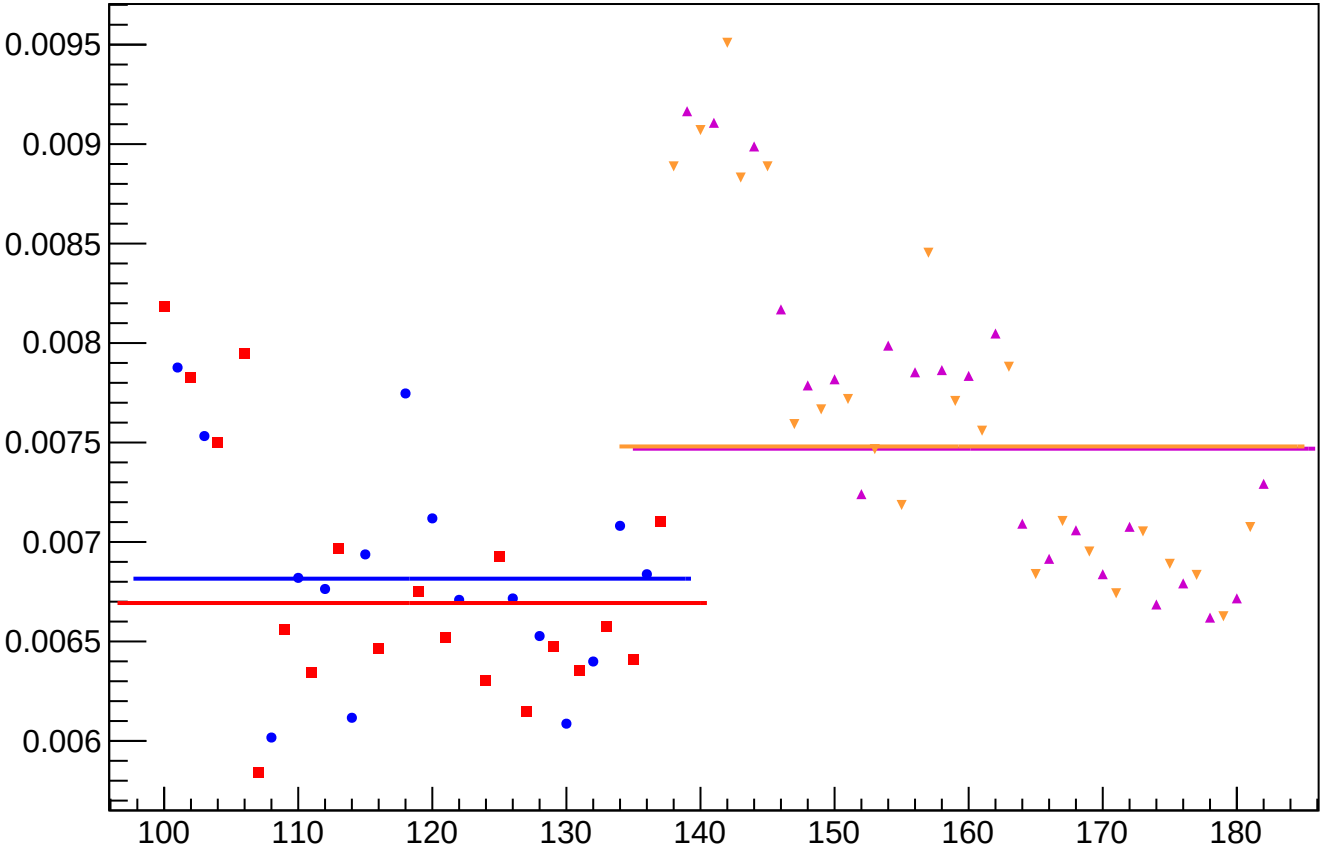
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.461+/-0.000 χ^2/NDF:82800559303.4/37

Out: 2.412+/-0.000 χ^2/NDF:104162383389.5/41

All: 2.436+/-0.000 χ^2/NDF: 187519123877.2

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:328828.8/22

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.007+/-0.000 χ^2/NDF:321837.7/21

Left: 0.007+/-0.000 χ^2/NDF: 650705.0/44

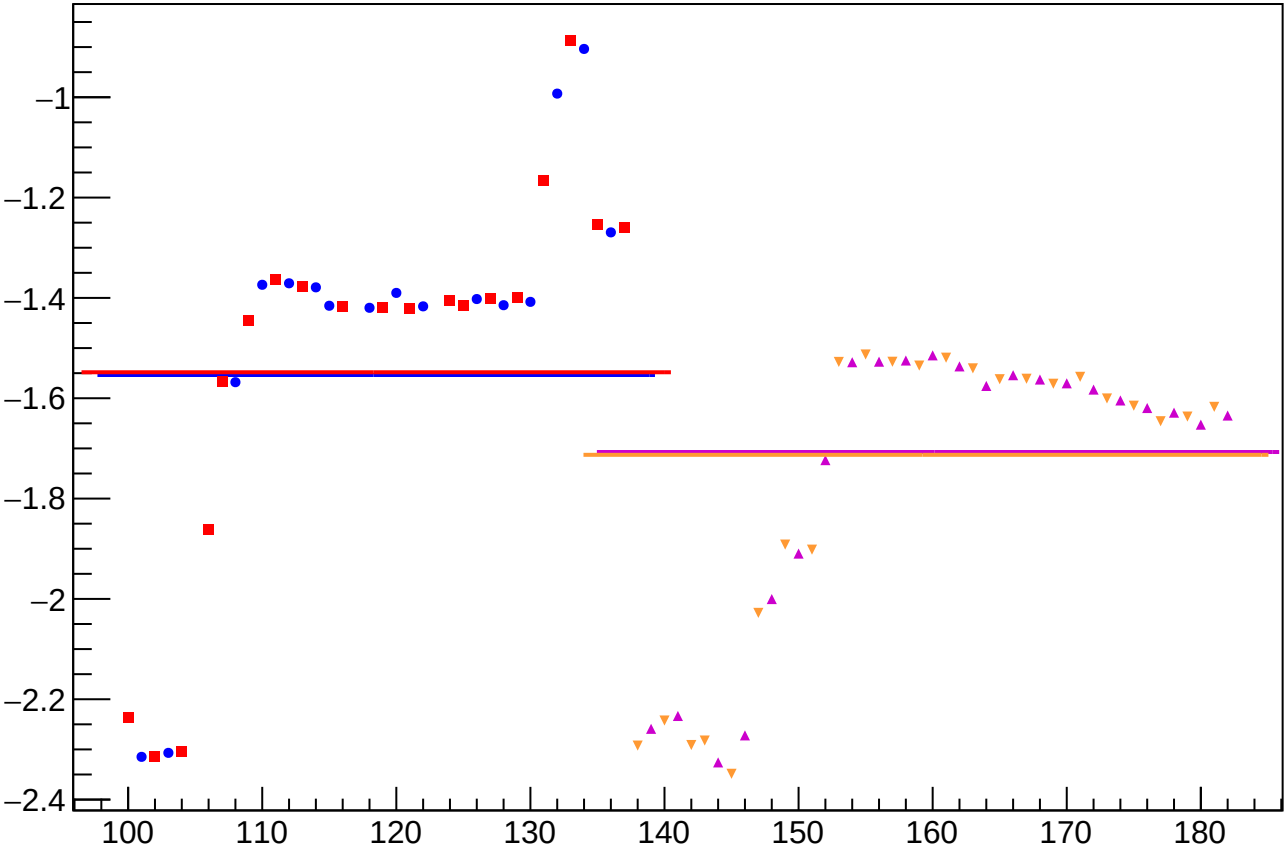
Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:493331.7/37

Out: 0.007+/-0.000 χ^2/NDF:546677.9/41

All: 0.007+/-0.000 χ^2/NDF: 1040954.5/79

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.713+/-0.000 χ^2/NDF:150496378341.9/22

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -1.707+/-0.000 χ^2/NDF:136097270453.3/21

Left: -1.710+/-0.000 χ^2/NDF: 286627640889.5/44

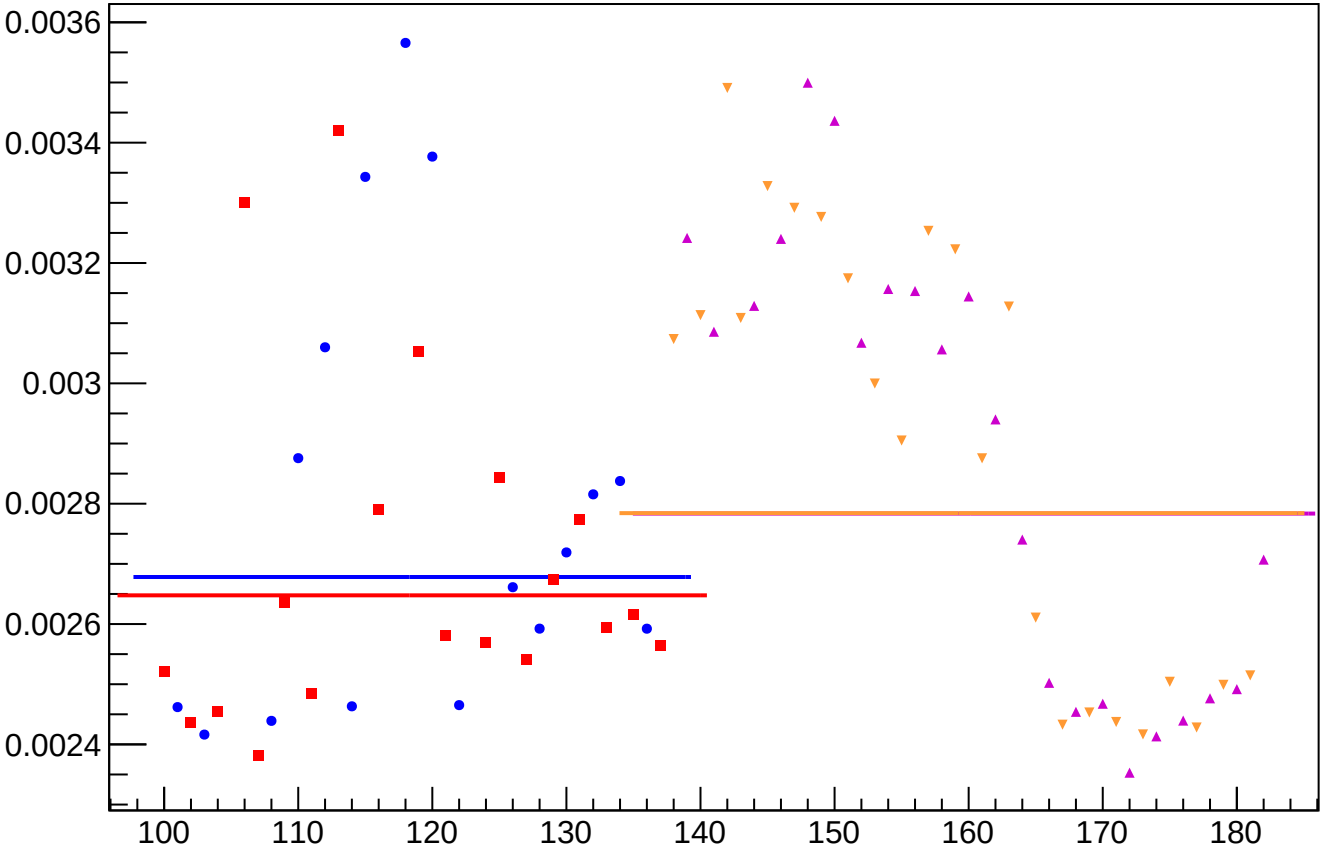
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.661+/-0.000 χ^2/NDF:326681189995.6/37

Out: -1.661+/-0.000 χ^2/NDF:343837838860.7/41

All: -1.661+/-0.000 χ^2/NDF: 670519160689.6

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:529858.6/22

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:557031.1/21

Left: 0.003+/-0.000 χ^2/NDF: 1086890.8/44

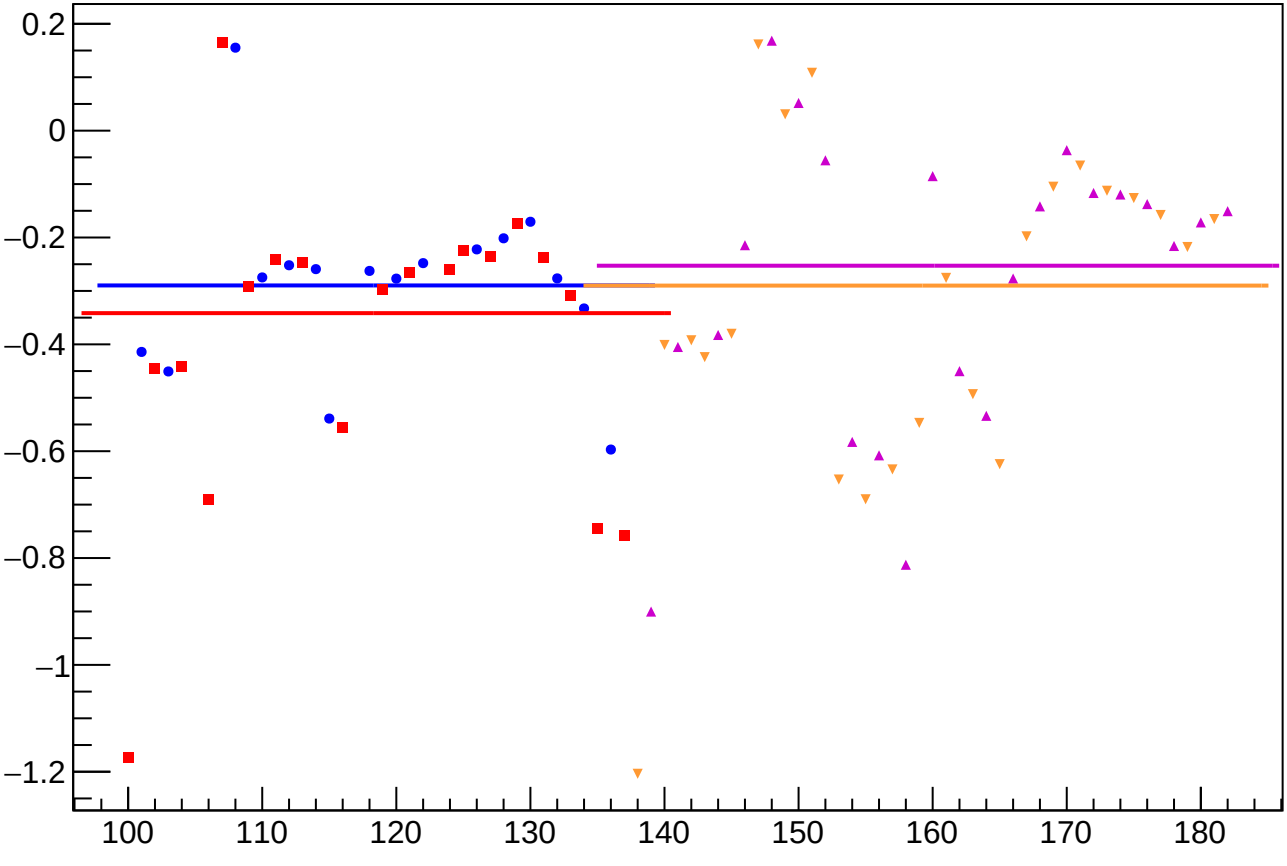
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:729434.1/37

Out: 0.003+/-0.000 χ^2/NDF:671645.1/41

All: 0.003+/-0.000 χ^2/NDF: 1401414.7/79

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.290+/-0.000 χ^2/NDF:9224931677.0/22

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.253+/-0.000 χ^2/NDF:7155742272.7/21

Left: -0.271+/-0.000 χ^2/NDF: 16457899098.1/44

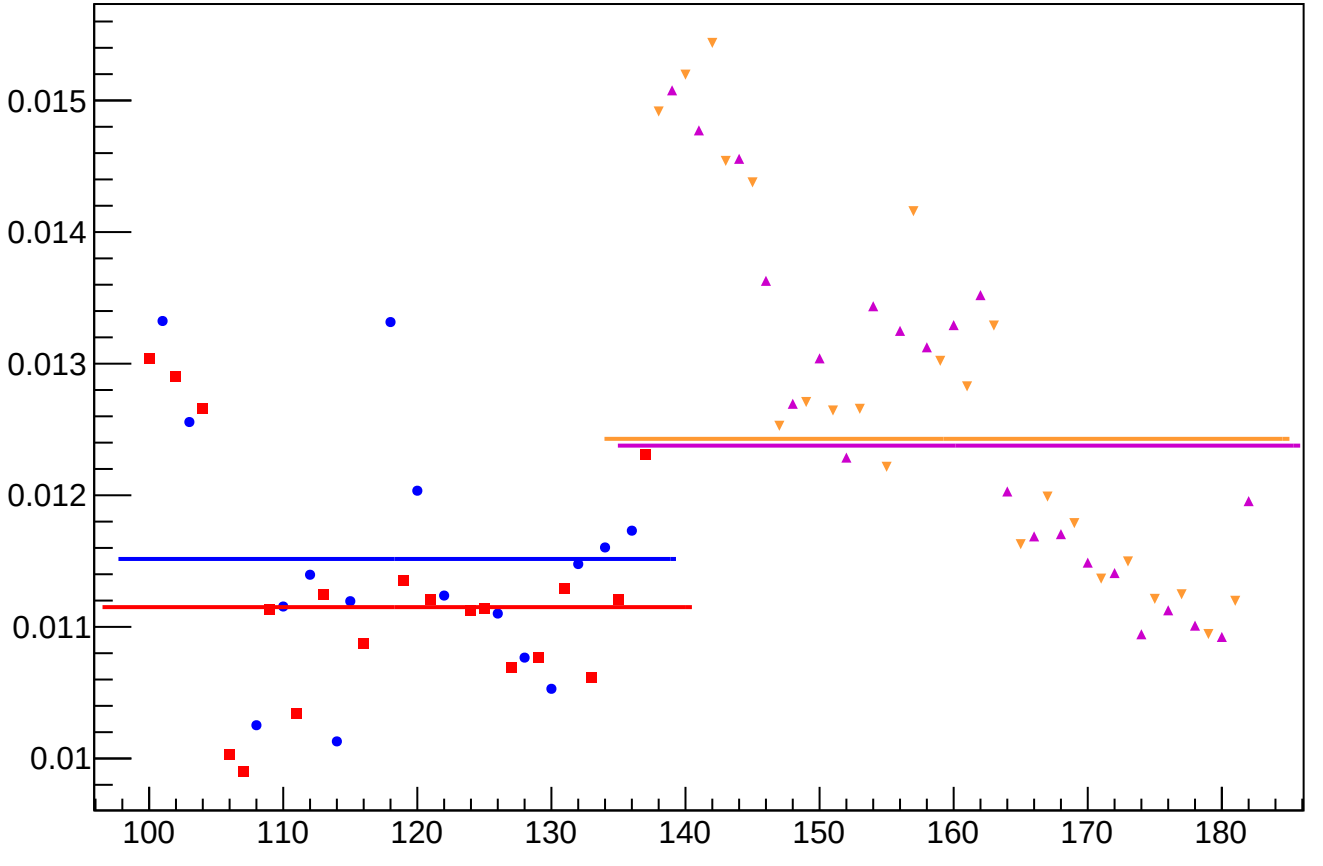
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.265+/-0.000 χ^2/NDF:8849308634.4/37

Out: -0.308+/-0.000 χ^2/NDF:11936103469.7/41

All: -0.287+/-0.000 χ^2/NDF: 20940298450.0/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.012+/-0.000 χ^2/NDF:337942.3/22

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.012+/-0.000 χ^2/NDF:326925.5/21

Left: 0.012+/-0.000 χ^2/NDF: 665164.6/44

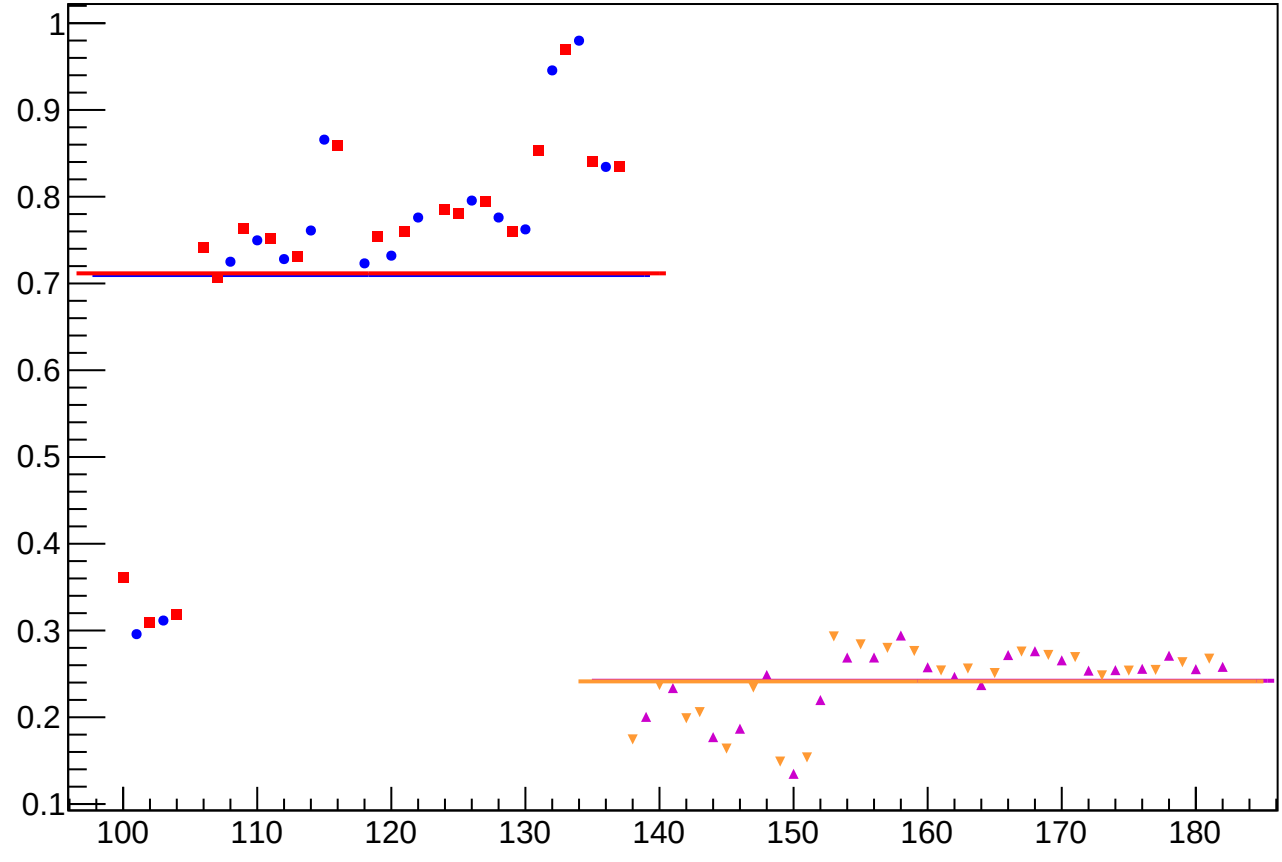
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:463843.1/37

Out: 0.012+/-0.000 χ^2/NDF:533883.1/41

All: 0.012+/-0.000 χ^2/NDF: 999819.3/79

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.241+/-0.000 χ^2/NDF:7153023110.6/22

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.242+/-0.000 χ^2/NDF:5726751105.6/21

Left: 0.242+/-0.000 χ^2/NDF: 12880829874.6/44

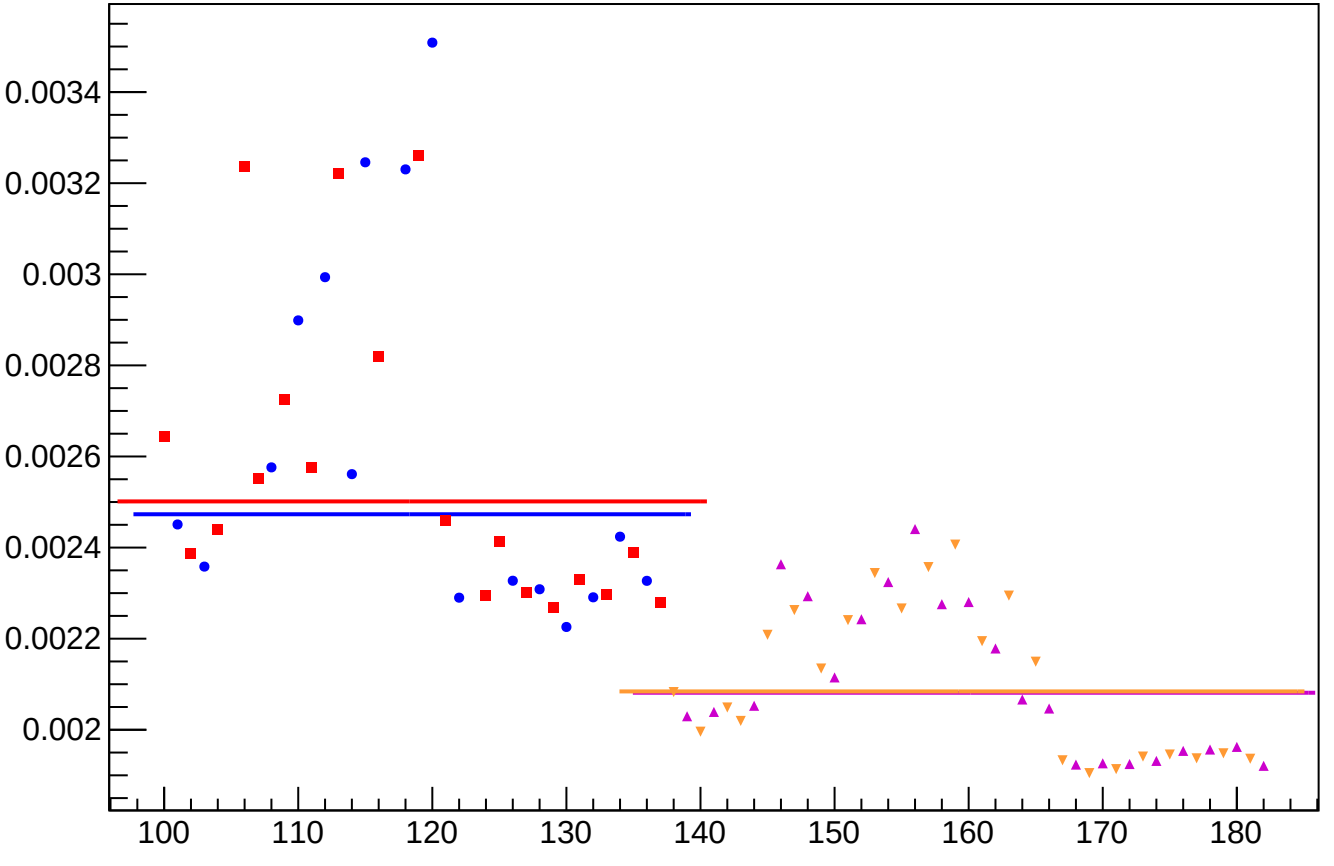
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.342+/-0.000 χ^2/NDF:246409408219.0/37

Out: 0.342+/-0.000 χ^2/NDF:247058691248.0/41

All: 0.342+/-0.000 χ^2/NDF: 493468522148.6

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:212492.7/22

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:206654.3/21

Left: 0.002+/-0.000 χ^2/NDF: 419182.3/44

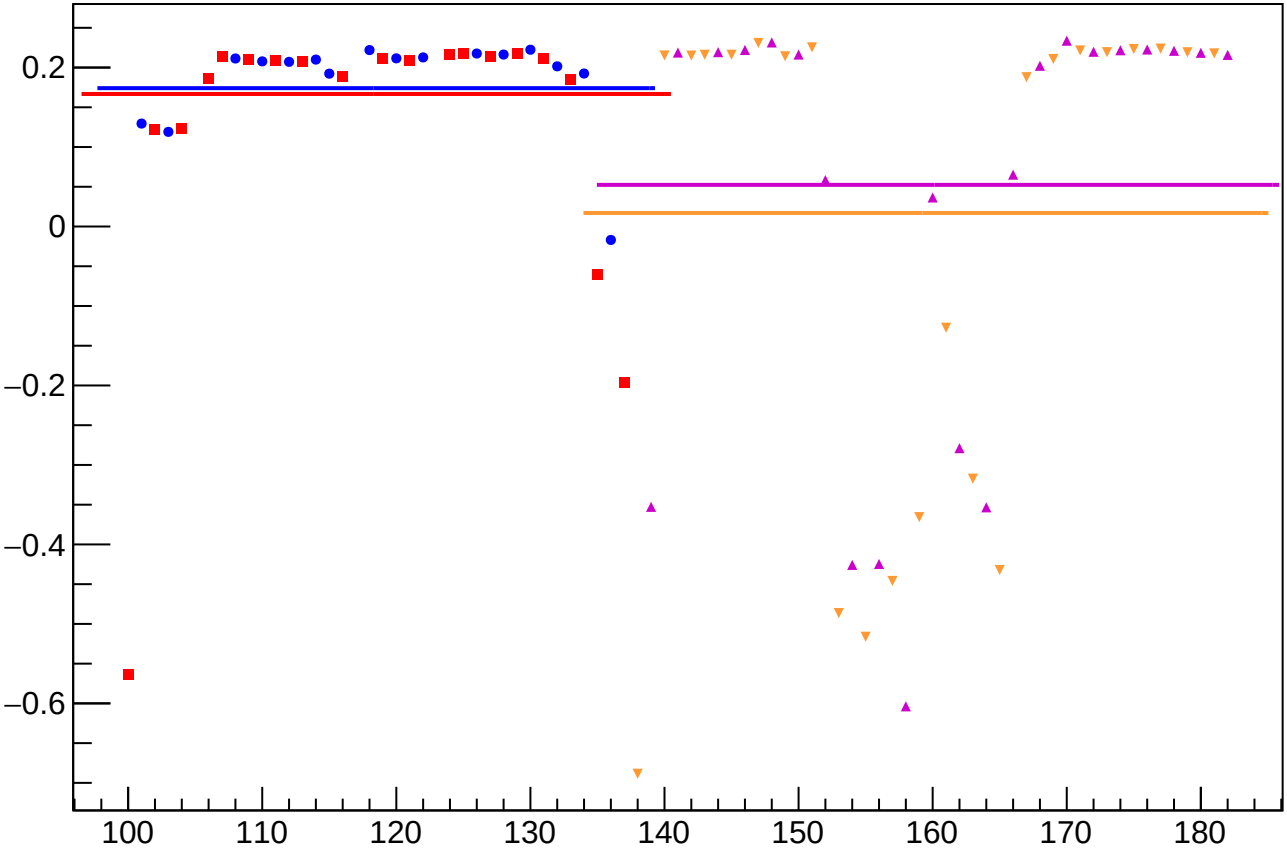
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:683989.2/37

Out: 0.002+/-0.000 χ^2/NDF:697899.4/41

All: 0.002+/-0.000 χ^2/NDF: 1382232.8/79

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.017+/-0.000 χ^2/NDF:12697847367.7/22

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: 0.052+/-0.000 χ^2/NDF:9649184949.5/21

Left: 0.035+/-0.000 χ^2/NDF: 22432098674.9/44

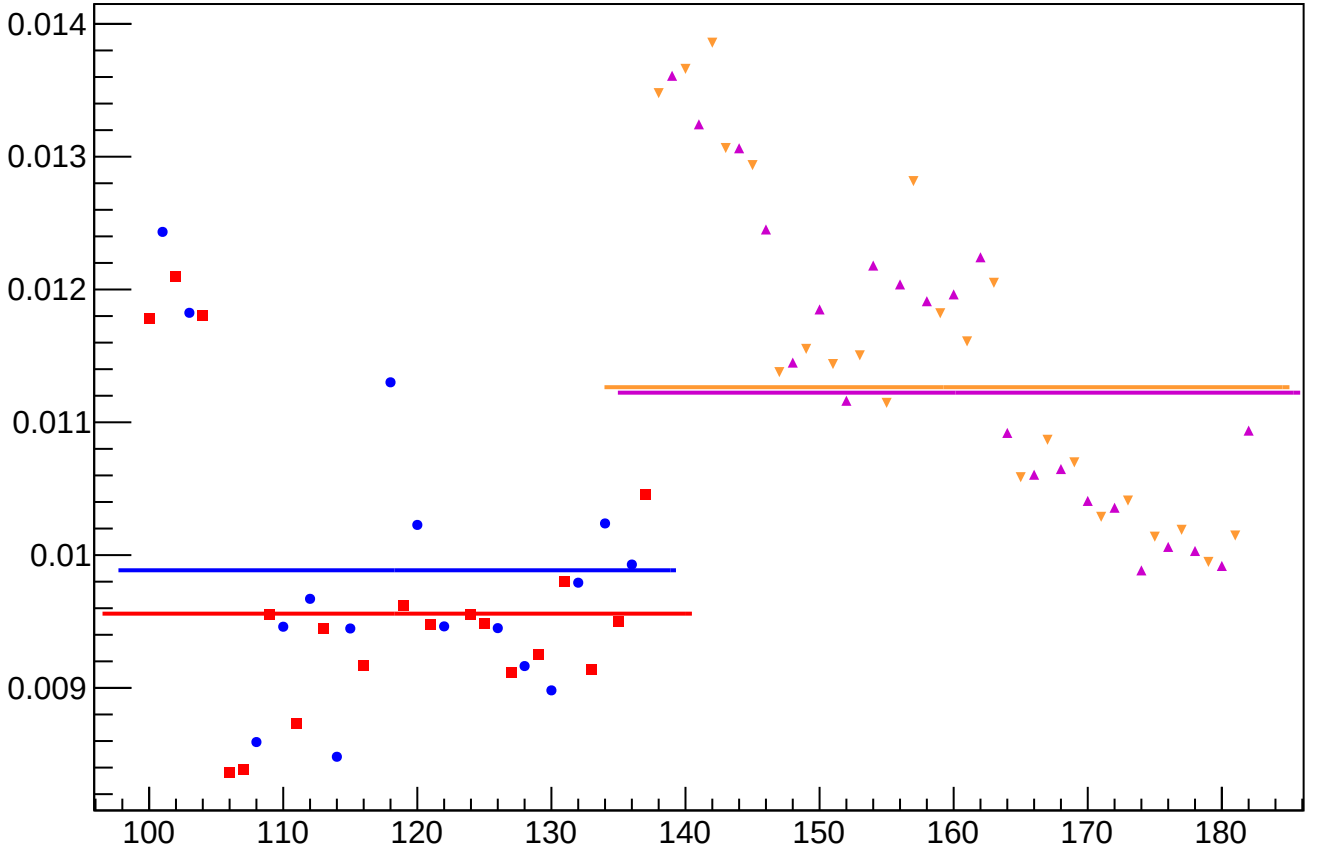
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.094+/-0.000 χ^2/NDF:10735716352.9/37

Out: 0.072+/-0.000 χ^2/NDF:14711873248.4/41

All: 0.083+/-0.000 χ^2/NDF: 25498845709.0/7

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.011+/-0.000 χ^2/NDF:325033.8/22

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.011+/-0.000 χ^2/NDF:315244.9/21

Left: 0.011+/-0.000 χ^2/NDF: 640510.4/44

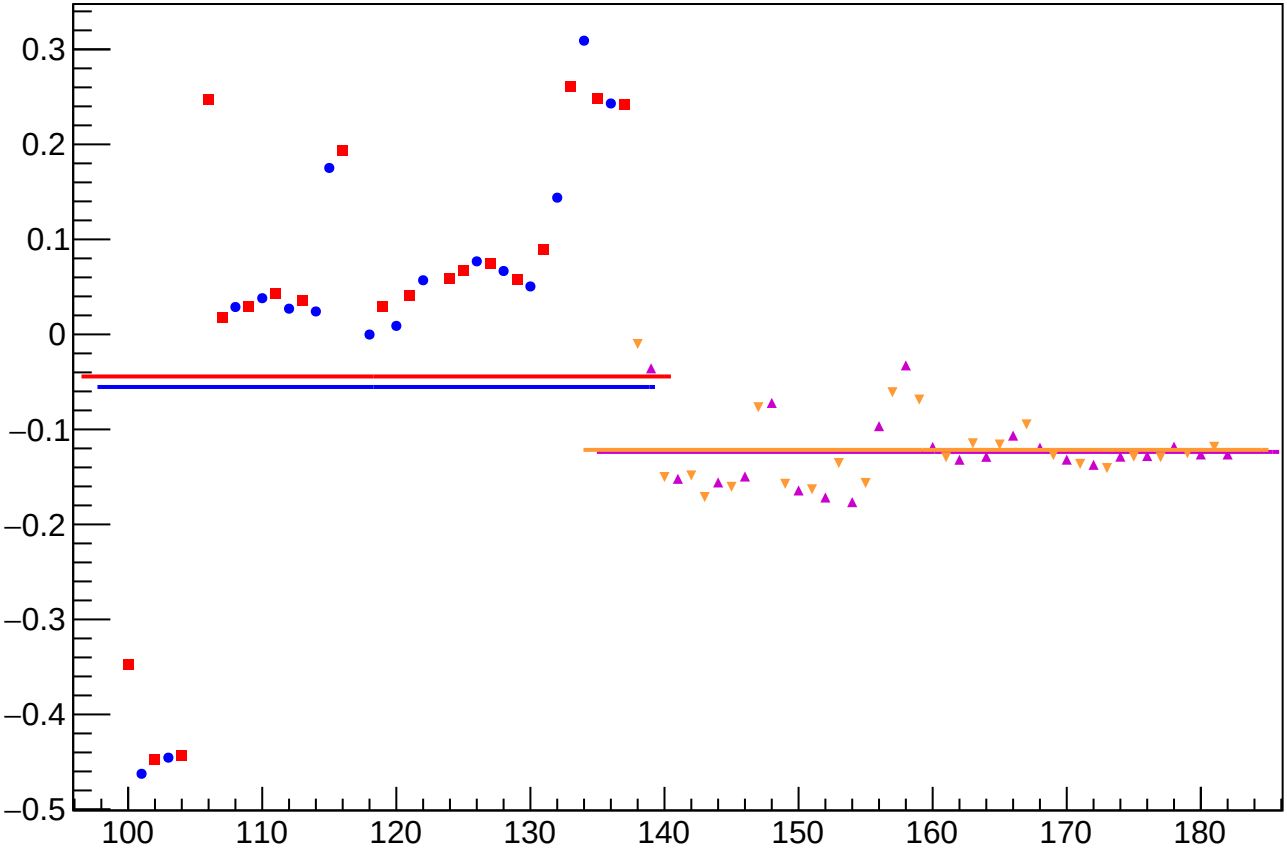
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:629230.2/37

Out: 0.011+/-0.000 χ^2/NDF:751794.6/41

All: 0.011+/-0.000 χ^2/NDF: 1384400.0/79

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.122+/-0.000 χ^2/NDF:2919422107.2/22

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.124+/-0.000 χ^2/NDF:2809105094.3/21

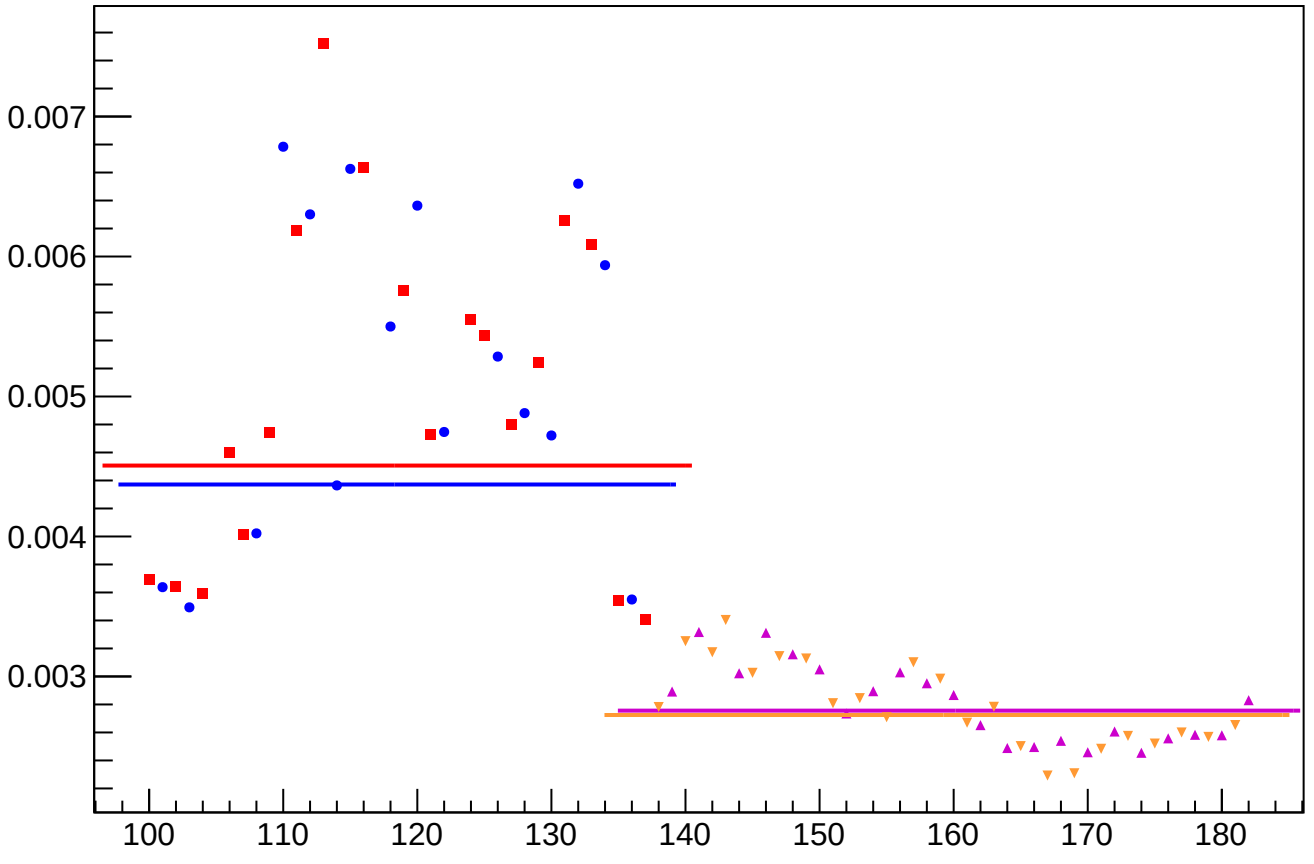
Left: -0.123+/-0.000 χ^2/NDF: 5733860655.1/44

Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.115+/-0.000 χ^2/NDF:28197317608.8/37

Out: -0.112+/-0.000 χ^2/NDF:26710605032.0/41

All: -0.114+/-0.000 χ^2/NDF: 54918233434.2/



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:384884.6/22

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:293100.9/21

Left: 0.003+/-0.000 χ^2/NDF: 680229.3/44

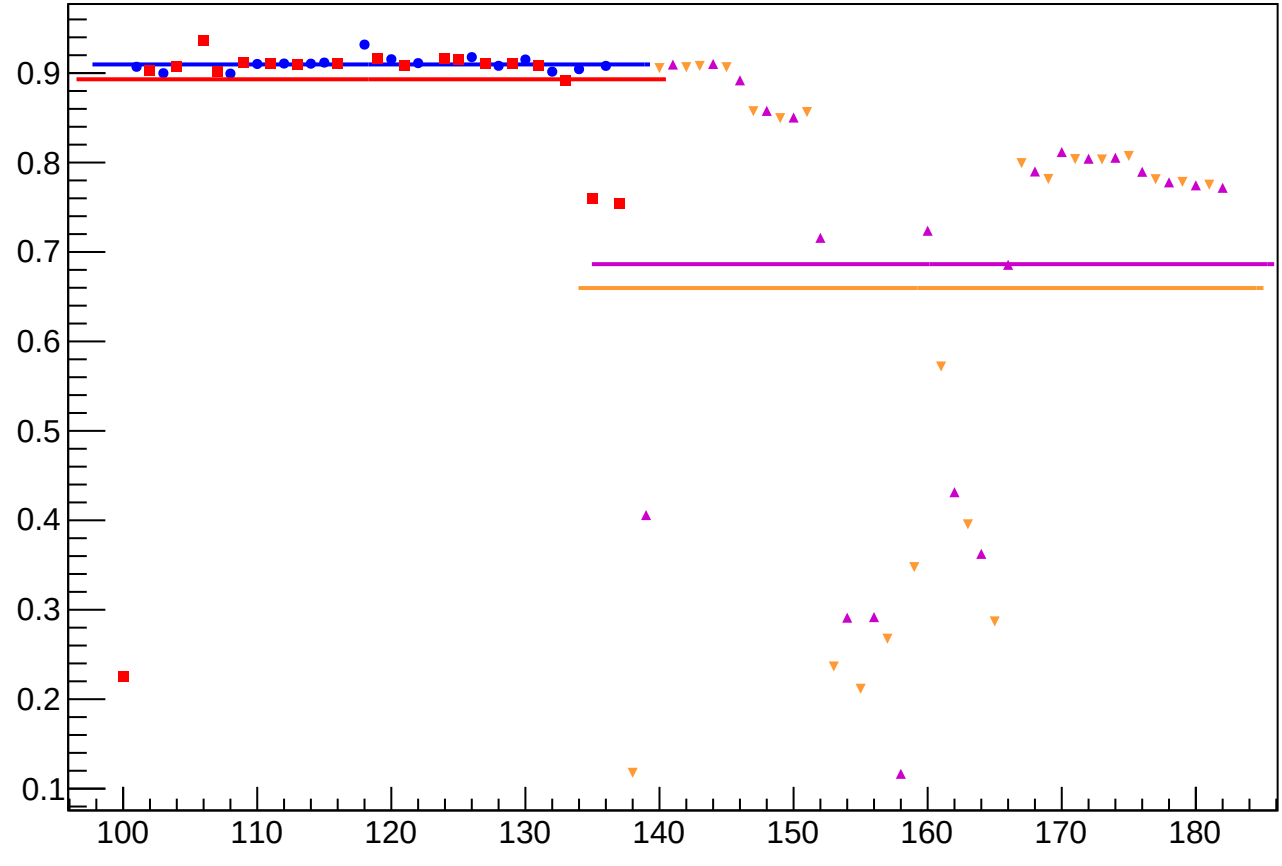
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:2412959.3/37

Out: 0.003+/-0.000 χ^2/NDF:2851181.3/41

All: 0.003+/-0.000 χ^2/NDF: 5265288.9/79

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.660+/-0.000 χ^2/NDF:9117677630.9/22

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.686+/-0.000 χ^2/NDF:6982915156.7/21

Left: 0.673+/-0.000 χ^2/NDF: 16151634308.8/44

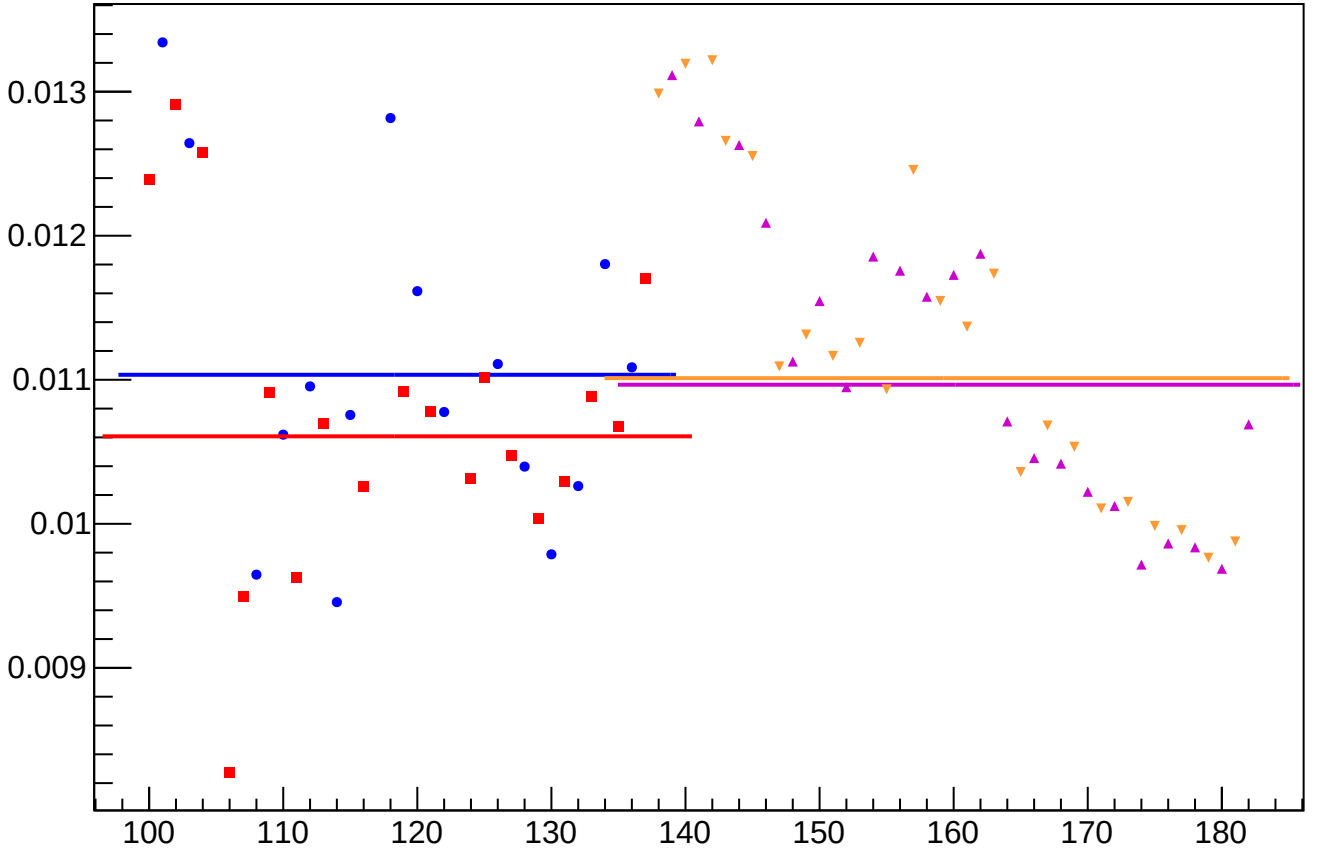
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.750+/-0.000 χ^2/NDF:9002104834.1/37

Out: 0.732+/-0.000 χ^2/NDF:11858293496.5/41

All: 0.740+/-0.000 χ^2/NDF: 20893161869.1/7

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:297136.1/22

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/21

Left: 0.011+/-0.000 χ^2/NDF: 585083.3/44

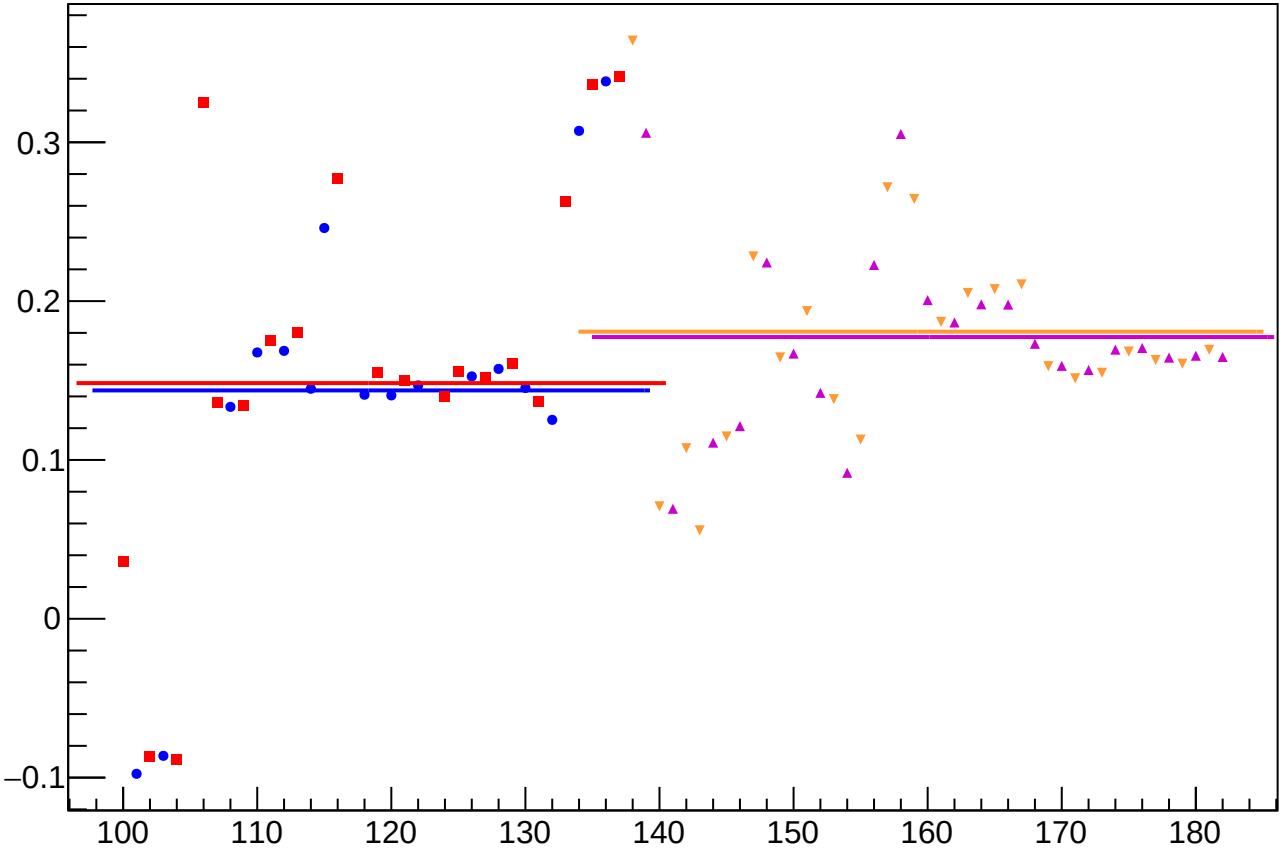
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:418387.4/37

Out: 0.011+/-0.000 χ^2/NDF:455541.5/41

All: 0.011+/-0.000 χ^2/NDF: 875901.3/79

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.181+/-0.000 χ^2/NDF:6426272109.0/22

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.177+/-0.000 χ^2/NDF:4617252965.5/21

Left: 0.179+/-0.000 χ^2/NDF: 11054052305.4/44

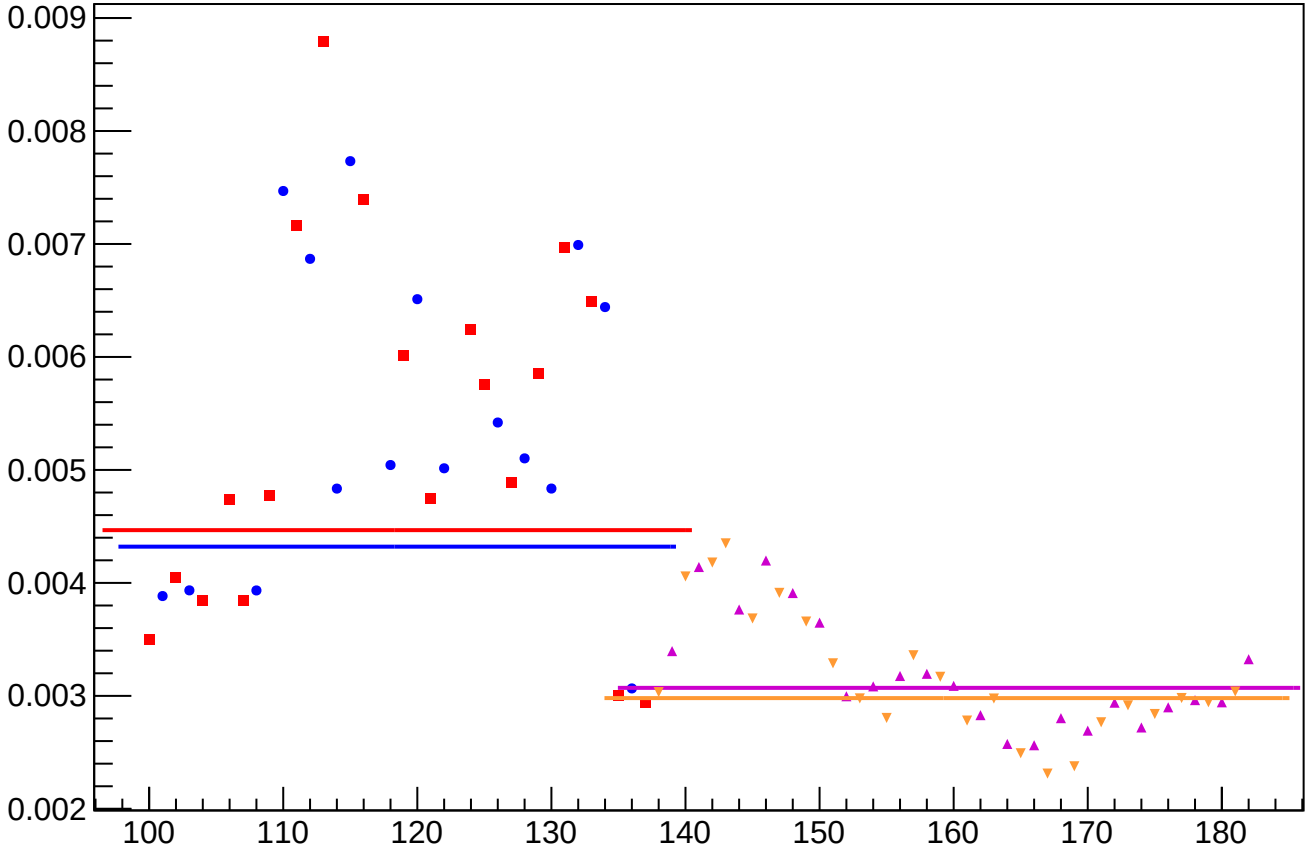
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.172+/-0.000 χ^2/NDF:12779150005.9/37

Out: 0.176+/-0.000 χ^2/NDF:13824660983.7/41

All: 0.174+/-0.000 χ^2/NDF: 26620791703.4/7

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:844657.8/22

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:586919.3/21

Left: 0.003+/-0.000 χ^2/NDF: 1446522.7/44

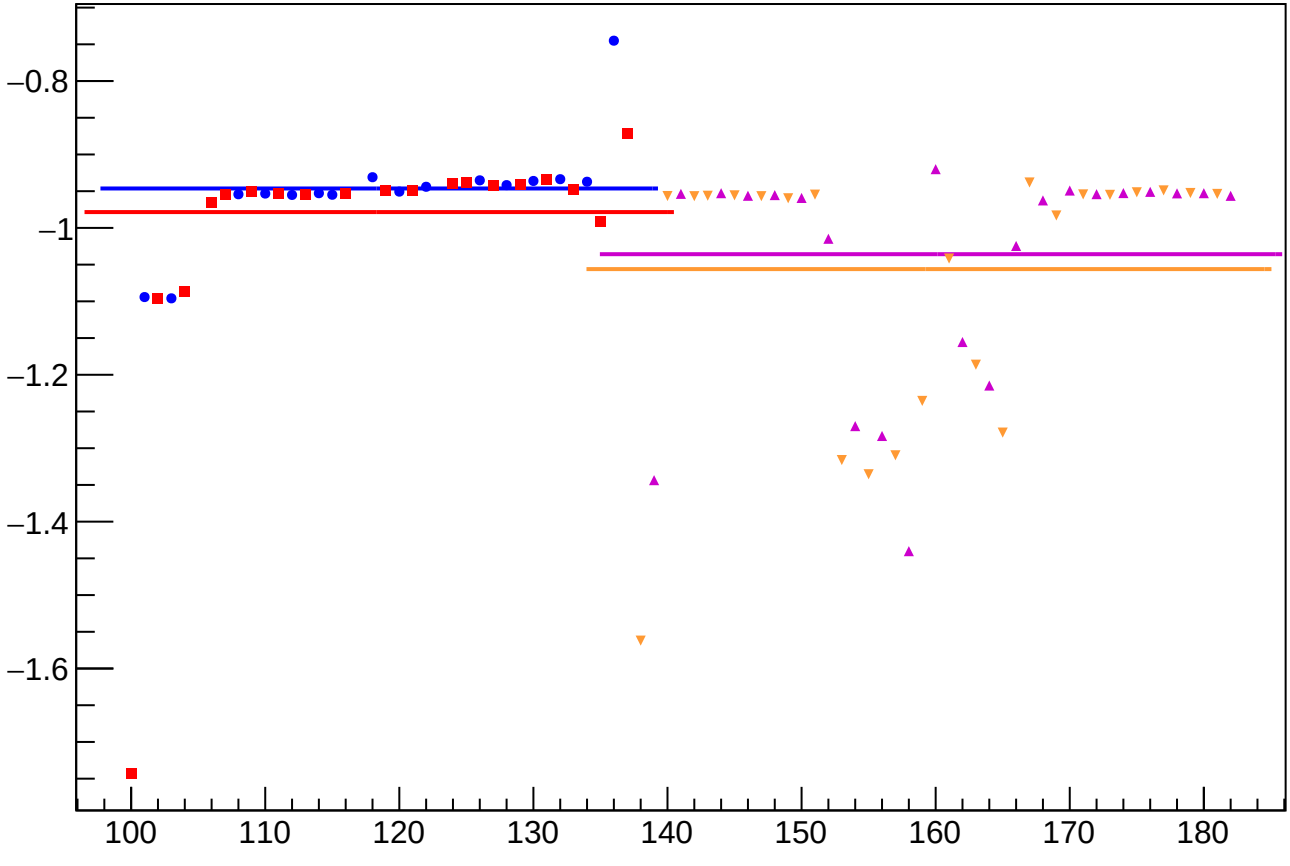
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:2280597.4/37

Out: 0.003+/-0.000 χ^2/NDF:3066399.4/41

All: 0.003+/-0.000 χ^2/NDF: 5358821.1/79

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.056+/-0.000 χ^2/NDF:4984168902.0/22

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.036+/-0.000 χ^2/NDF:3907528039.3/21

Left: -1.046+/-0.000 χ^2/NDF: 8929114510.1/44

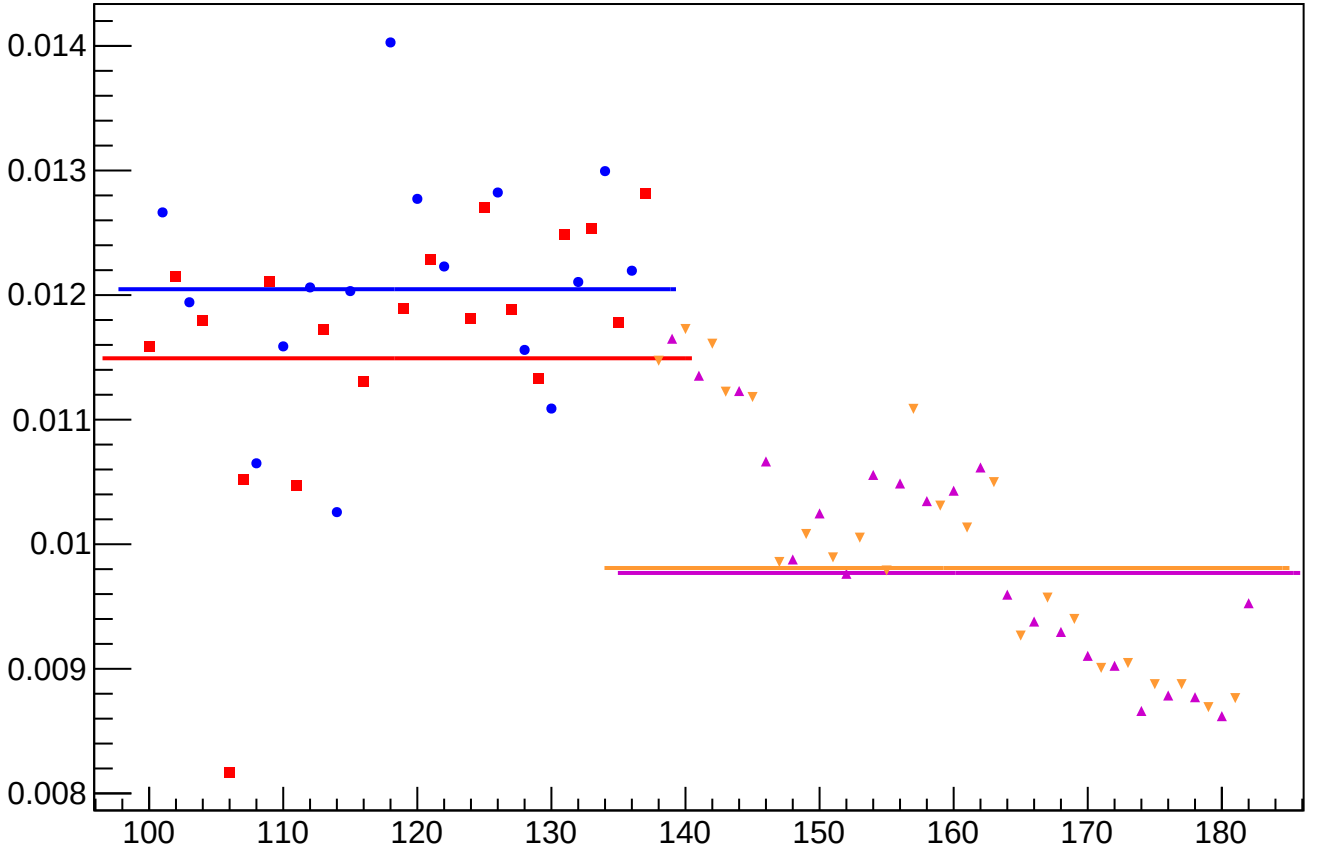
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.017+/-0.000 χ^2/NDF:4612460081.9/37

Out: -1.038+/-0.000 χ^2/NDF:5697068612.5/41

All: -1.028+/-0.000 χ^2/NDF: 10360901153.0/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:292153.6/22

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:281809.9/21

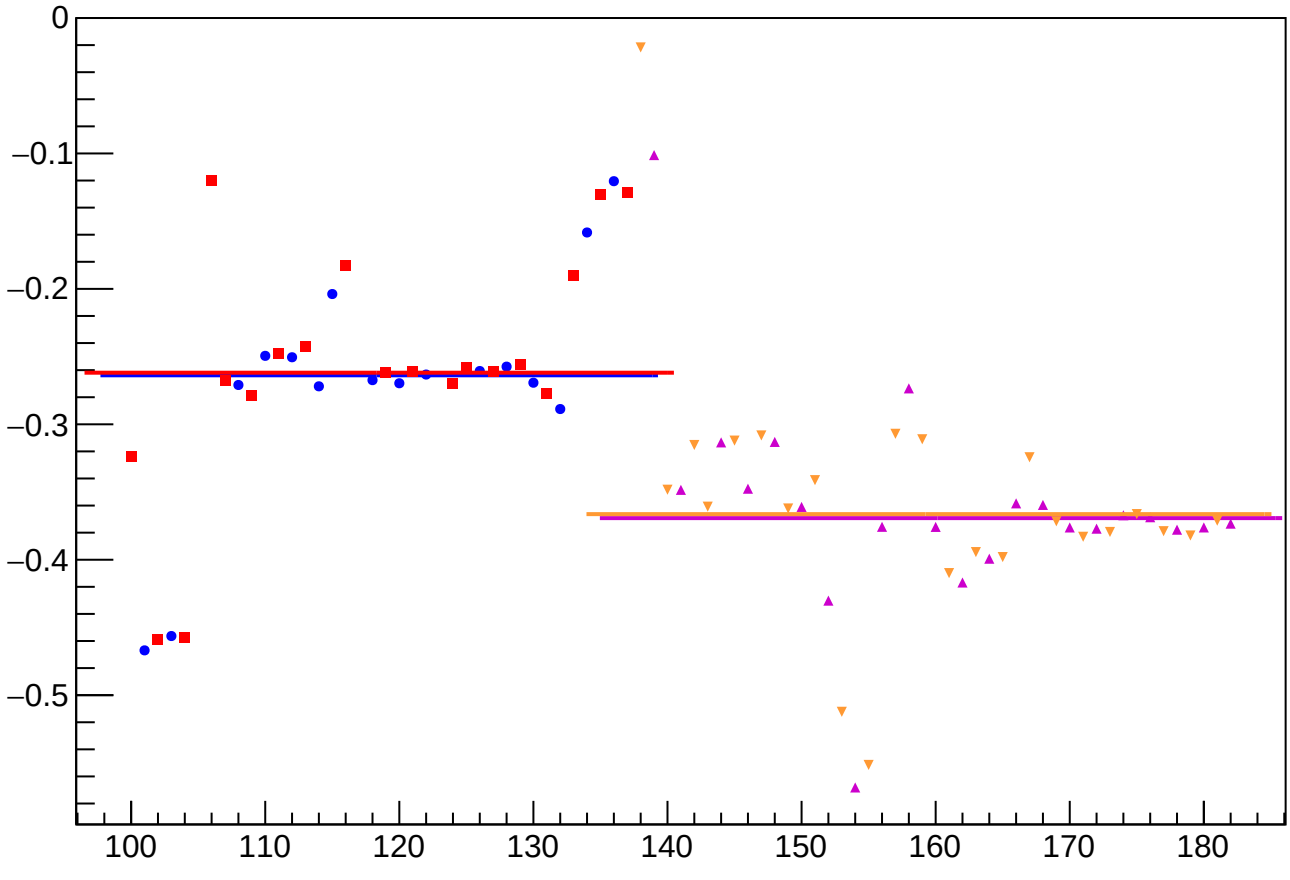
Left: 0.010+/-0.000 χ^2/NDF: 574252.3/44

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

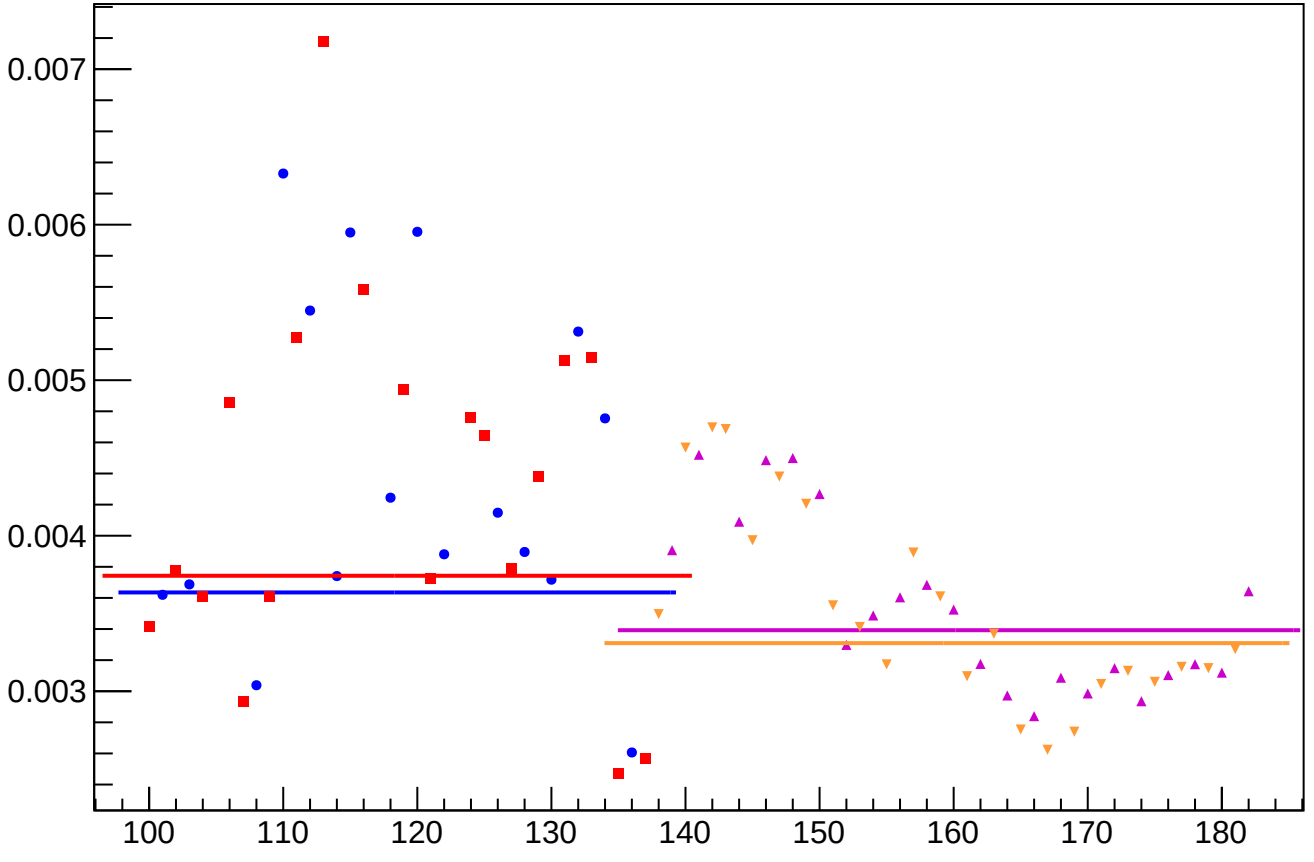
In: 0.010+/-0.000 χ^2/NDF:733636.1/37

Out: 0.010+/-0.000 χ^2/NDF:680156.6/41

All: 0.010+/-0.000 χ^2/NDF: 1414283.5/79


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
170
180
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.366+/-0.000 χ²/NDF:11939571061.6/22
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.369+/-0.000 χ²/NDF:7580969282.5/21
Left: -0.368+/-0.000 χ²/NDF: 19526902143.1/44
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.344+/-0.000 χ²/NDF:17400841229.9/37
Out: -0.343+/-0.000 χ²/NDF:20844720746.1/41
All: -0.344+/-0.000 χ²/NDF: 38246843071.2/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:812429.2/22

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.003+/-0.000 χ^2/NDF:633410.7/21

Left: 0.003+/-0.000 χ^2/NDF: 1455943.4/44

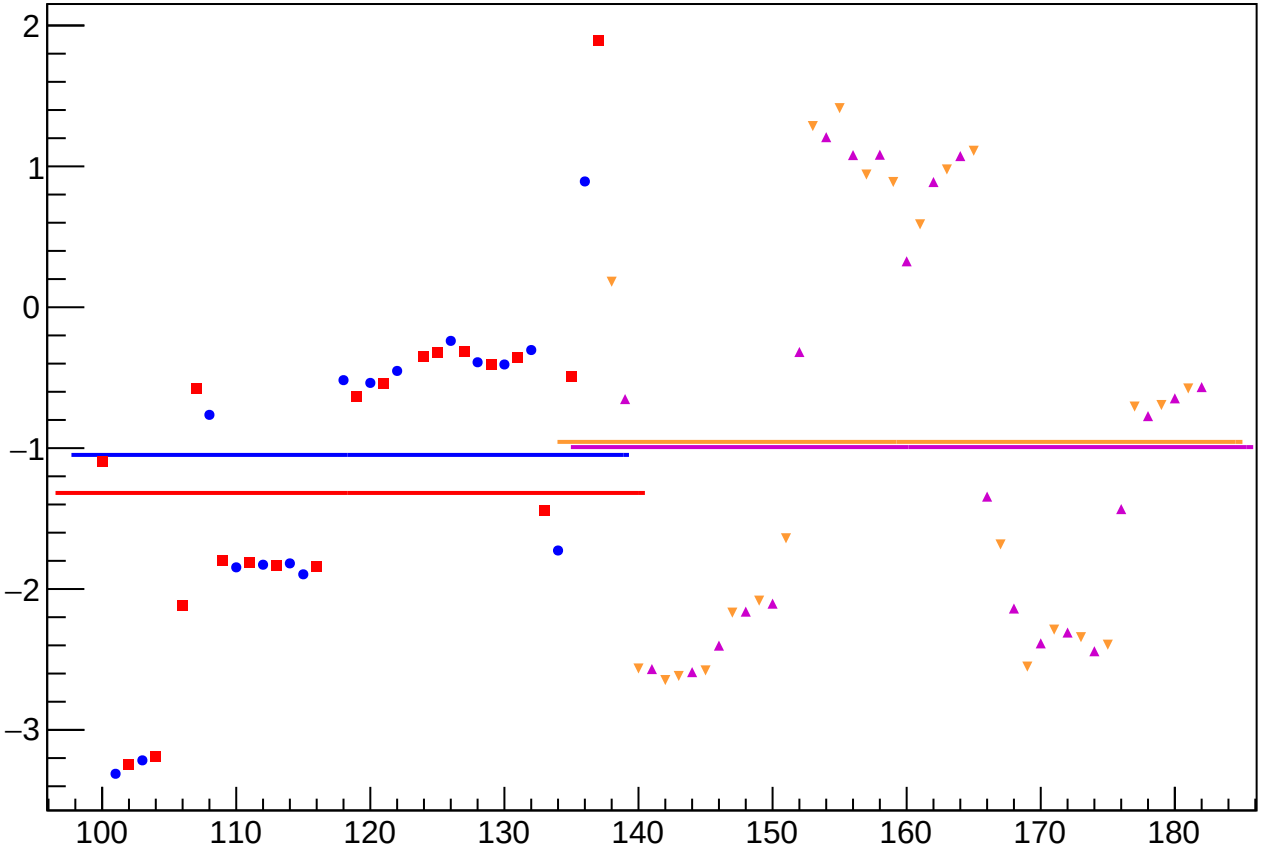
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.003+/-0.000 χ^2/NDF:1401408.9/37

Out: 0.003+/-0.000 χ^2/NDF:1832323.1/41

All: 0.003+/-0.000 χ^2/NDF: 3237520.3/79

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.956+/-0.000 χ^2/NDF:7206920144.1/22

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -0.993+/-0.000 χ^2/NDF:5903922560.7/21

Left: -0.974+/-0.000 χ^2/NDF: 13113148025.8/44

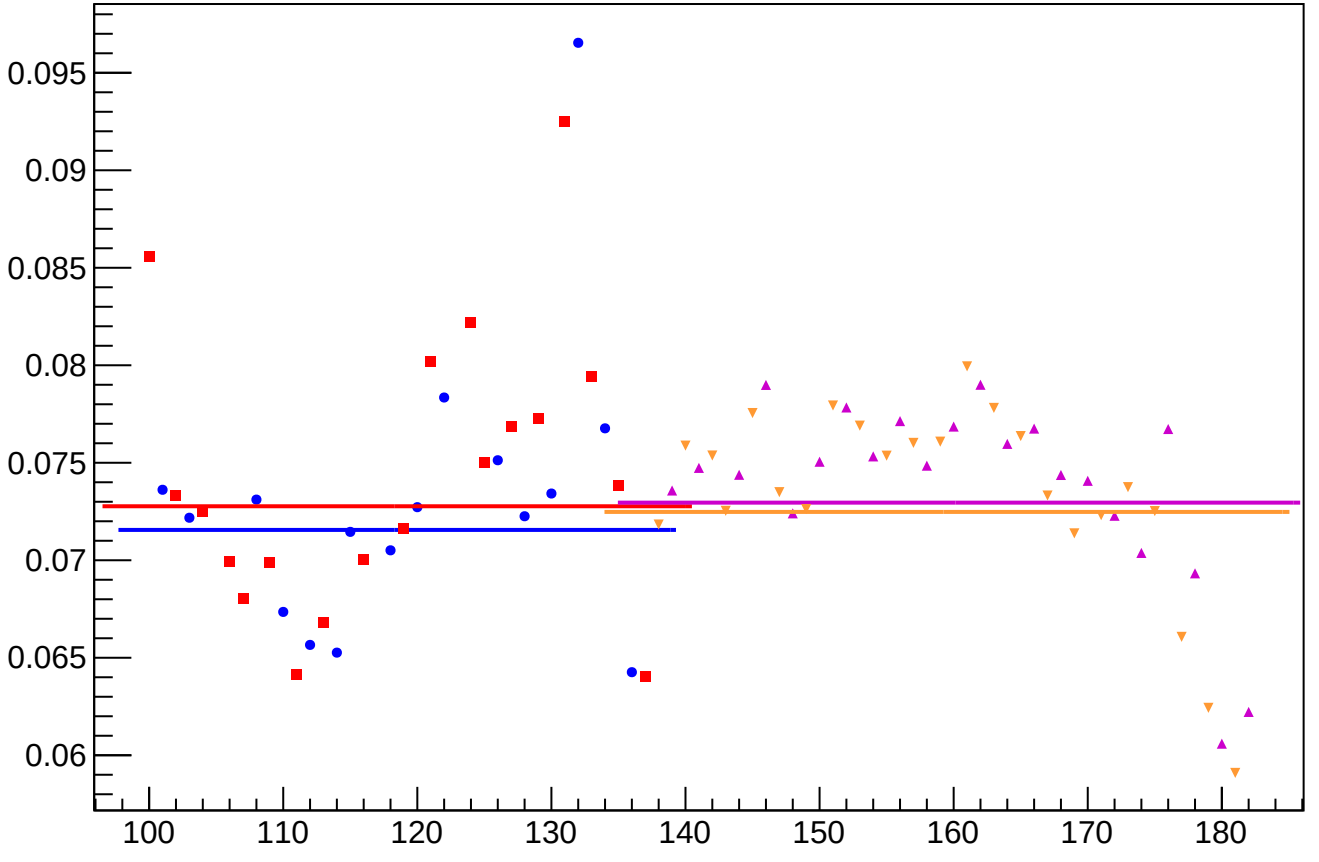
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.009+/-0.000 χ^2/NDF:8253924400.2/37

Out: -1.059+/-0.000 χ^2/NDF:9183522657.7/41

All: -1.034+/-0.000 χ^2/NDF: 17443492763.8/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.072+/-0.000 χ^2/NDF:204039.3/22

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.073+/-0.000 χ^2/NDF:178198.0/21

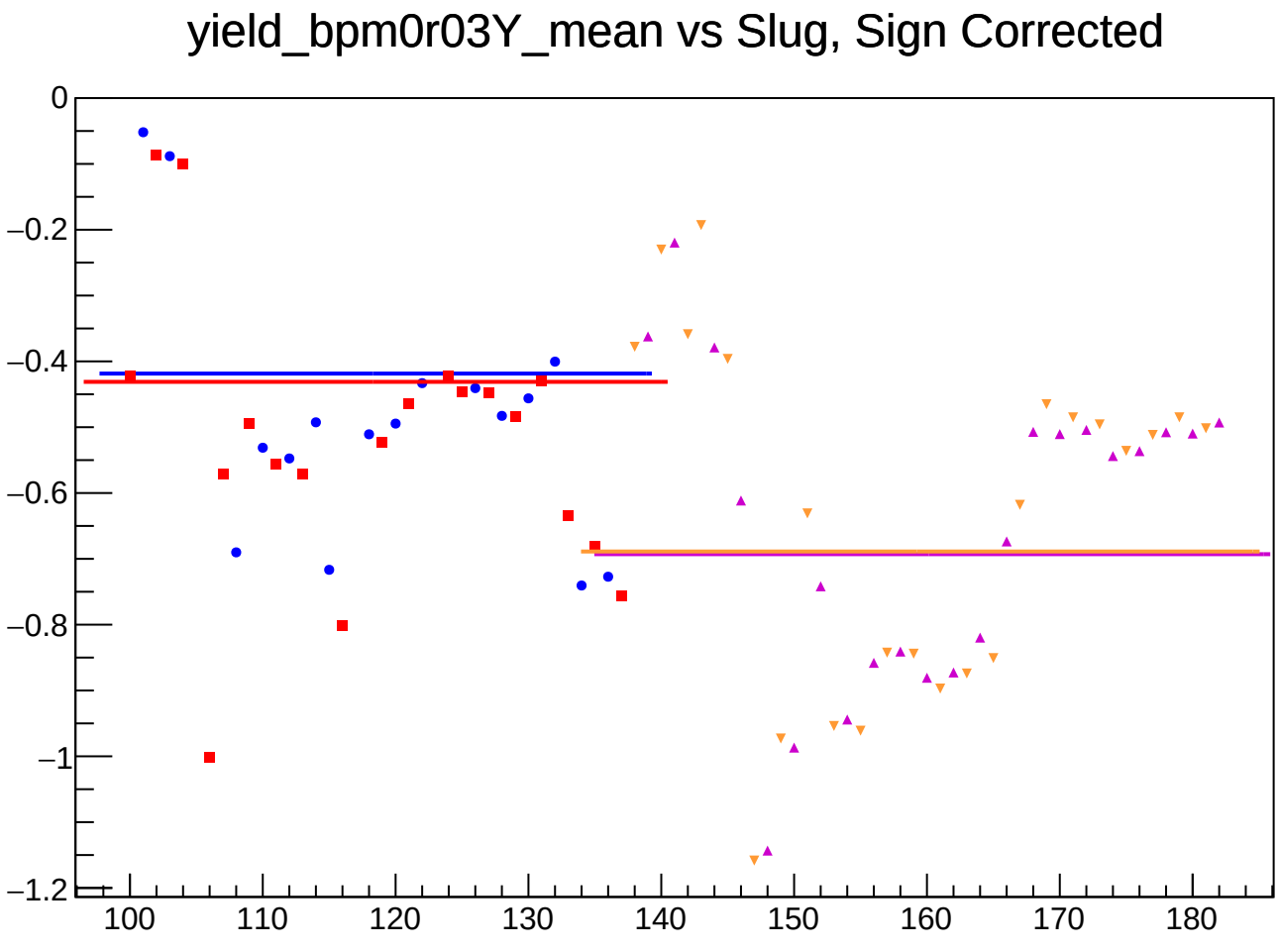
Left: 0.073+/-0.000 χ^2/NDF: 382999.6/44

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.073+/-0.000 χ^2/NDF:283229.4/37

Out: 0.073+/-0.000 χ^2/NDF:301078.2/41

All: 0.073+/-0.000 χ^2/NDF: 584308.8/79



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.689+/-0.000 χ^2/NDF:21295510611.5/22

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.693+/-0.000 χ^2/NDF:16692694374.1/21

Left: -0.691+/-0.000 χ^2/NDF: 37991356453.0/44

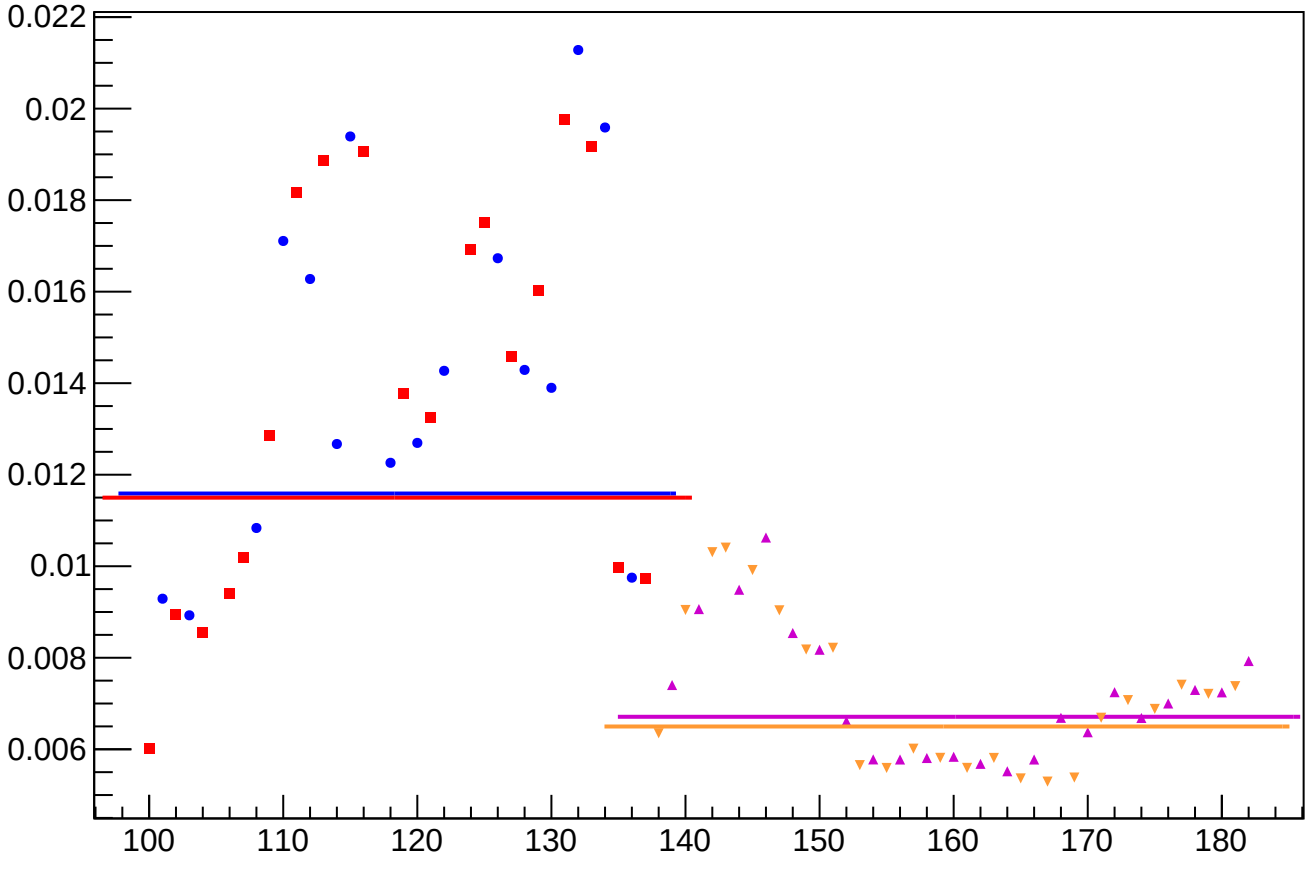
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.663+/-0.000 χ^2/NDF:22744080313.1/37

Out: -0.662+/-0.000 χ^2/NDF:27198947025.6/41

All: -0.663+/-0.000 χ^2/NDF: 49943217848.2/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1309288.2/22

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:951820.8/21

Left: 0.007+/-0.000 χ^2/NDF: 2278213.1/44

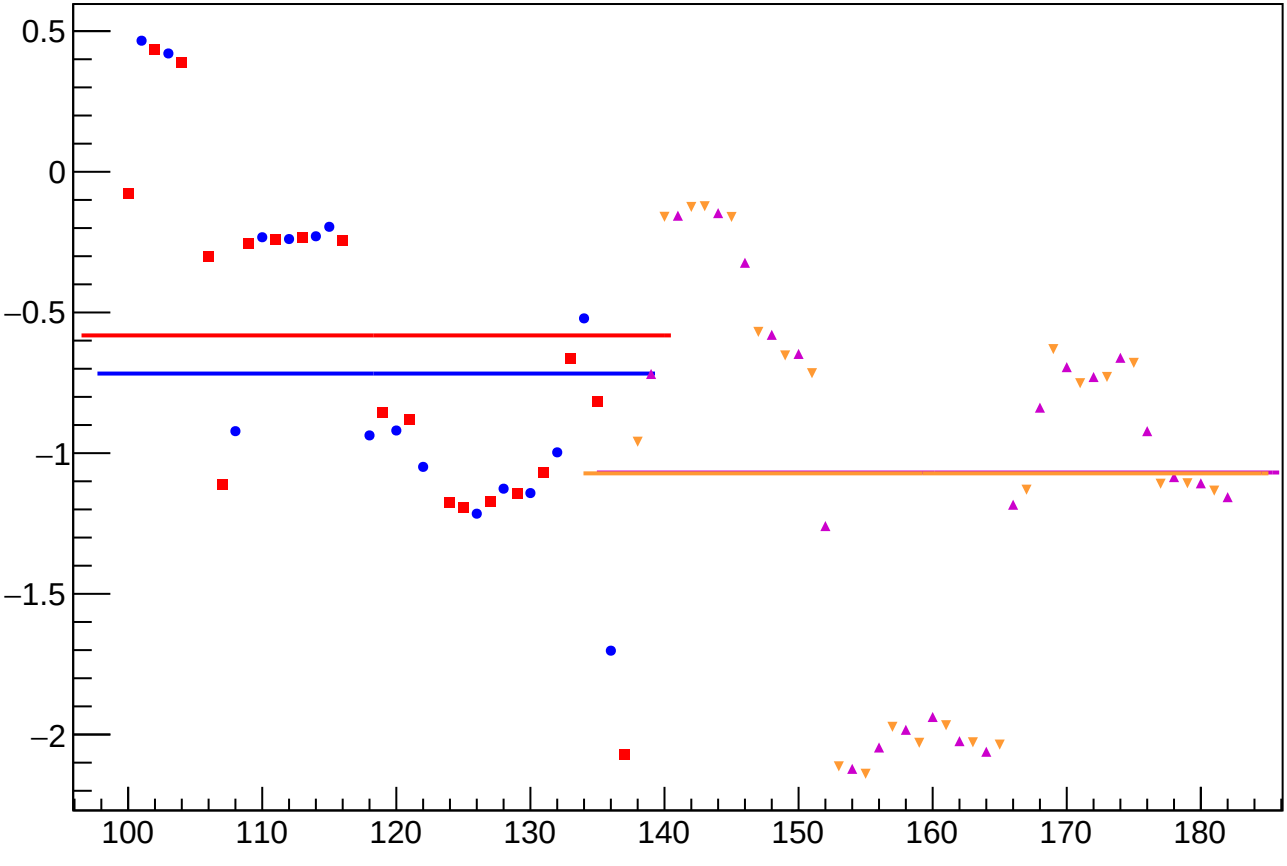
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3621885.3/37

Out: 0.007+/-0.000 χ^2/NDF:4511811.0/41

All: 0.007+/-0.000 χ^2/NDF: 8155142.4/79

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.072+/-0.000 χ^2/NDF:1149056628.3/22

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.069+/-0.000 χ^2/NDF:974704869.3/21

Left: -1.070+/-0.000 χ^2/NDF: 2123773454.7/44

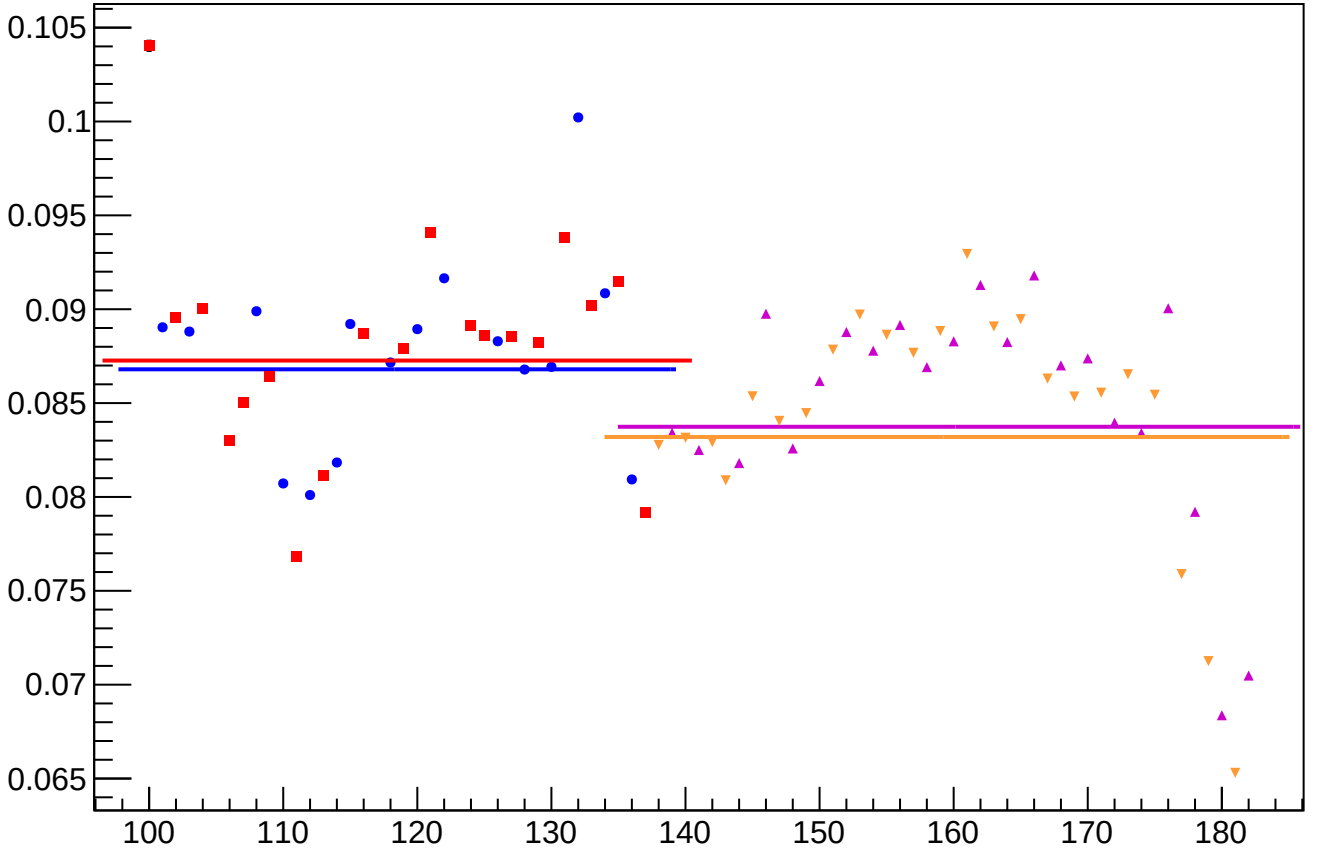
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.973+/-0.000 χ^2/NDF:1497763335.3/37

Out: -0.938+/-0.000 χ^2/NDF:1662157078.9/41

All: -0.955+/-0.000 χ^2/NDF: 3162016954.8/7

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.083+/-0.000 χ^2/NDF:259590.0/22

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.084+/-0.000 χ^2/NDF:220139.9/21

Left: 0.083+/-0.000 χ^2/NDF: 480493.1/44

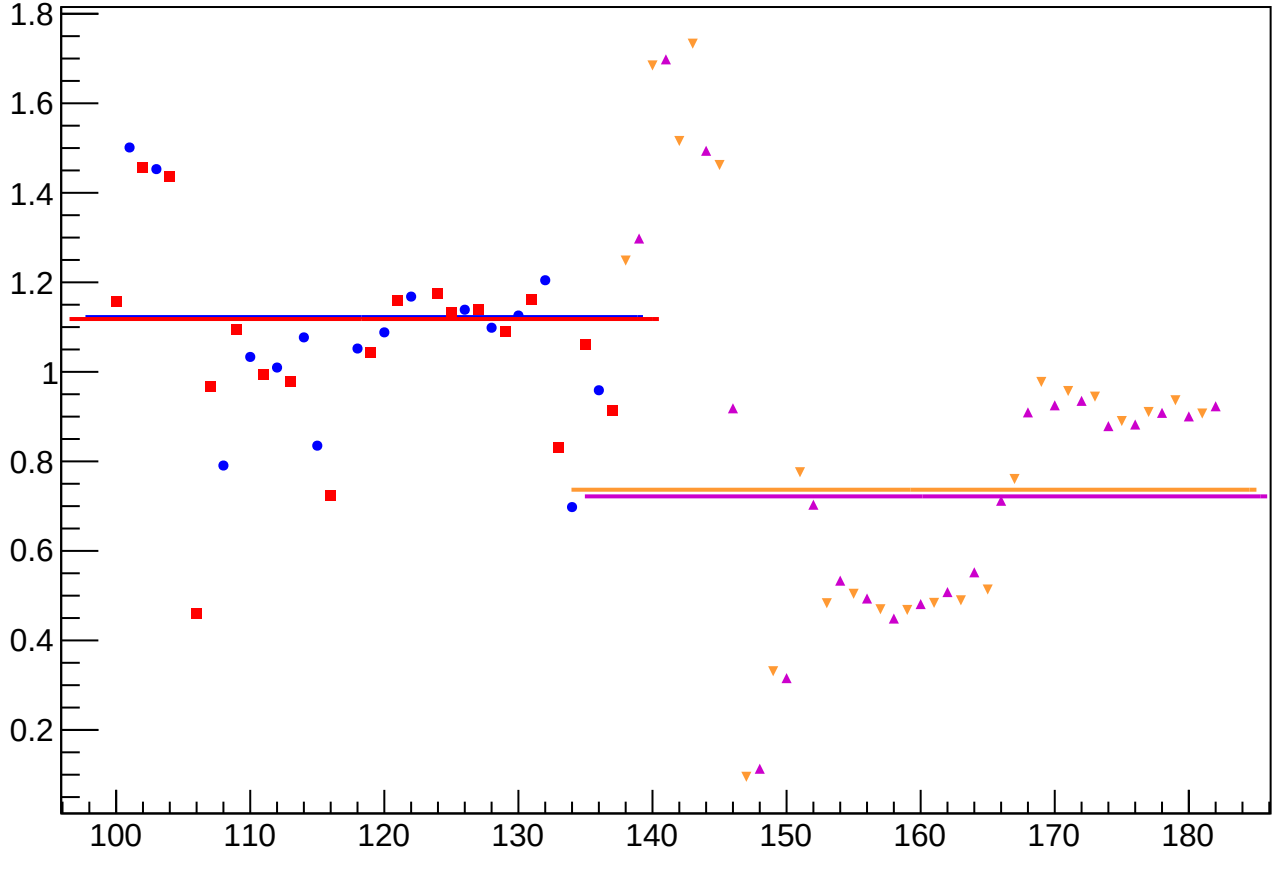
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.085+/-0.000 χ^2/NDF:276688.9/37

Out: 0.084+/-0.000 χ^2/NDF:329357.2/41

All: 0.084+/-0.000 χ^2/NDF: 606306.4/79

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.737+/-0.000 χ^2/NDF:32256091852.2/22

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.722+/-0.000 χ^2/NDF:25539451477.4/21

Left: 0.730+/-0.000 χ^2/NDF: 57823569089.4/44

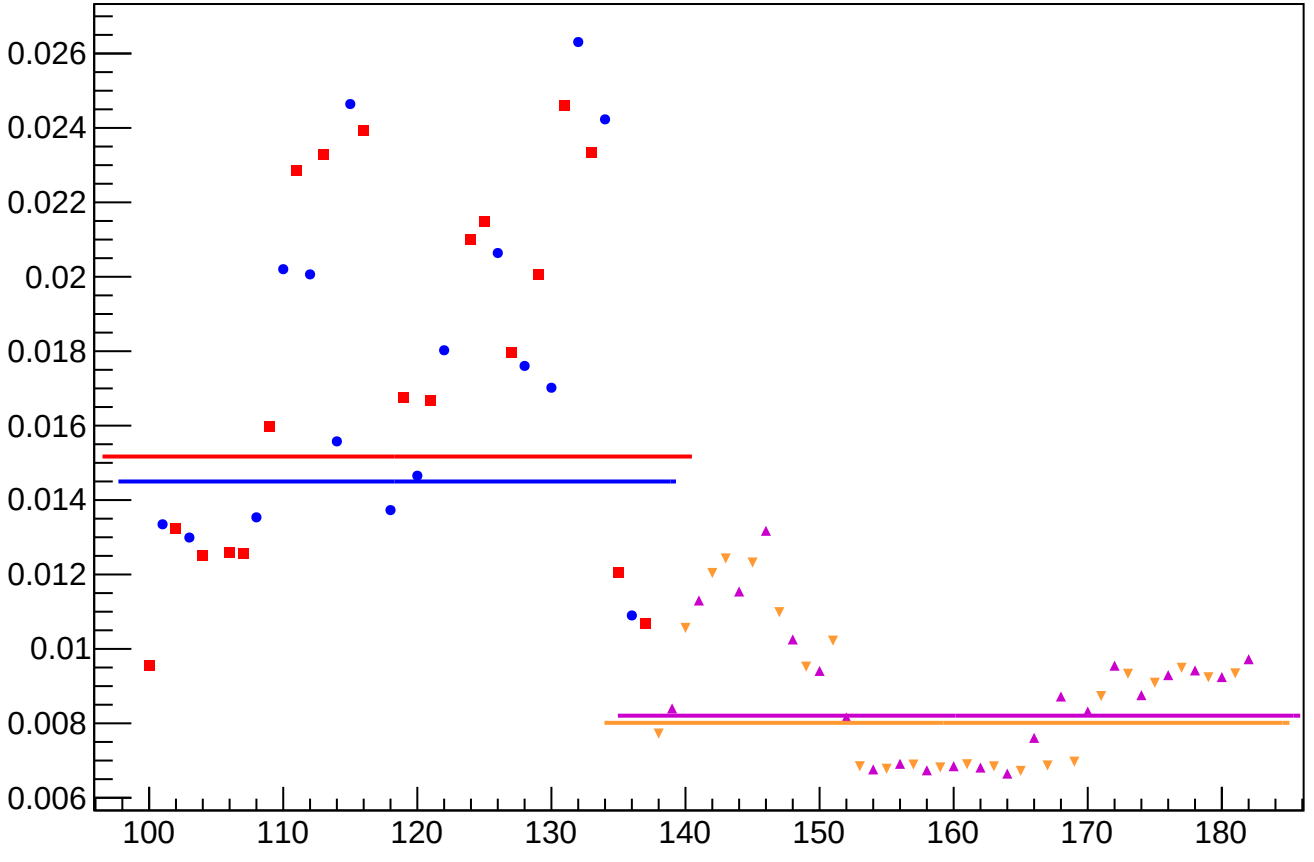
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.763+/-0.000 χ^2/NDF:31076996245.3/37

Out: 0.772+/-0.000 χ^2/NDF:37344727397.3/41

All: 0.768+/-0.000 χ^2/NDF: 68431750189.7/7

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1330511.3/22

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:1121662.7/21

Left: 0.008+/-0.000 χ^2/NDF: 2461550.6/44

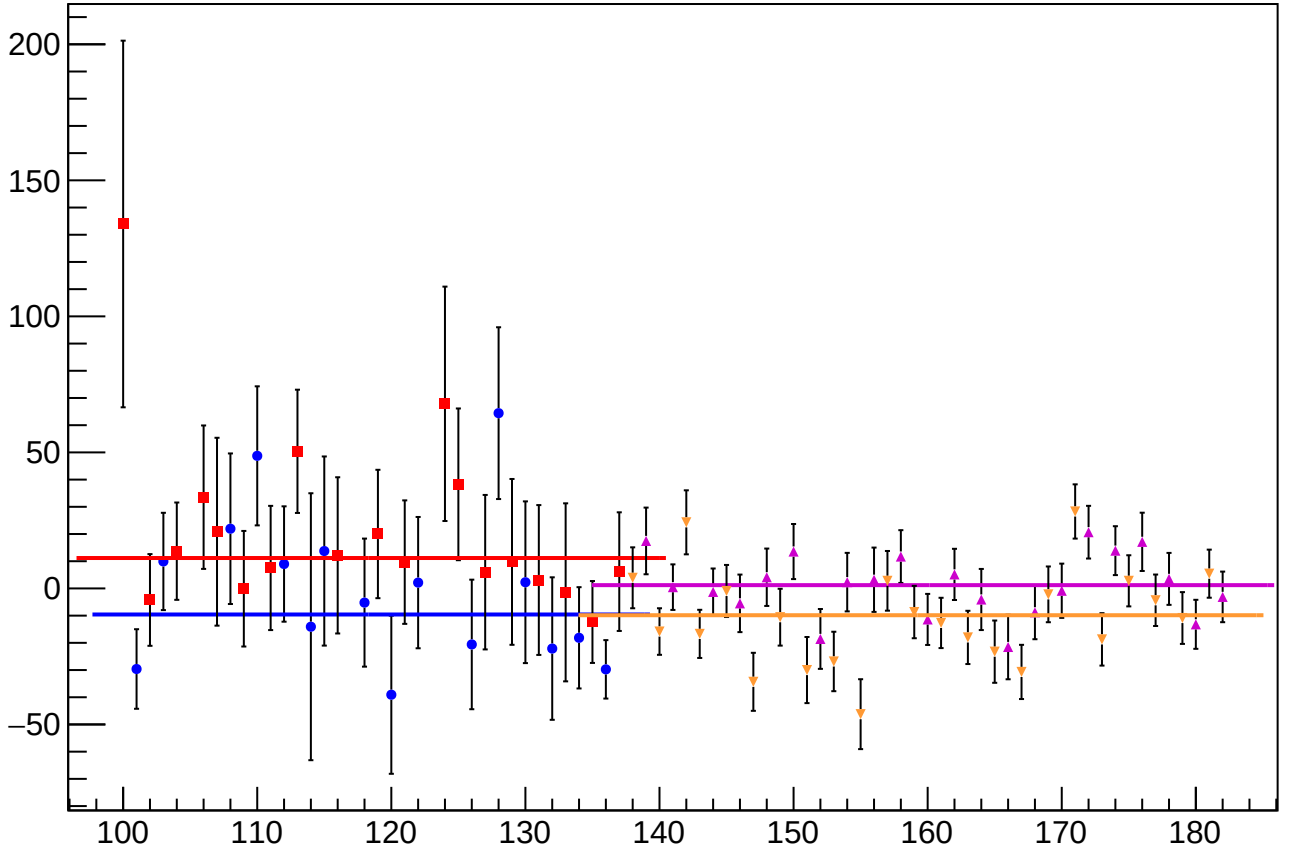
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3847676.9/37

Out: 0.009+/-0.000 χ^2/NDF:4673243.7/41

All: 0.009+/-0.000 χ^2/NDF: 8530618.6/79

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -9.851+/-2.097 χ^2/NDF:59.4/22

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 1.207+/-2.125 χ^2/NDF:26.2/21

Left: -4.396+/-1.493 χ^2/NDF: 99.4/44

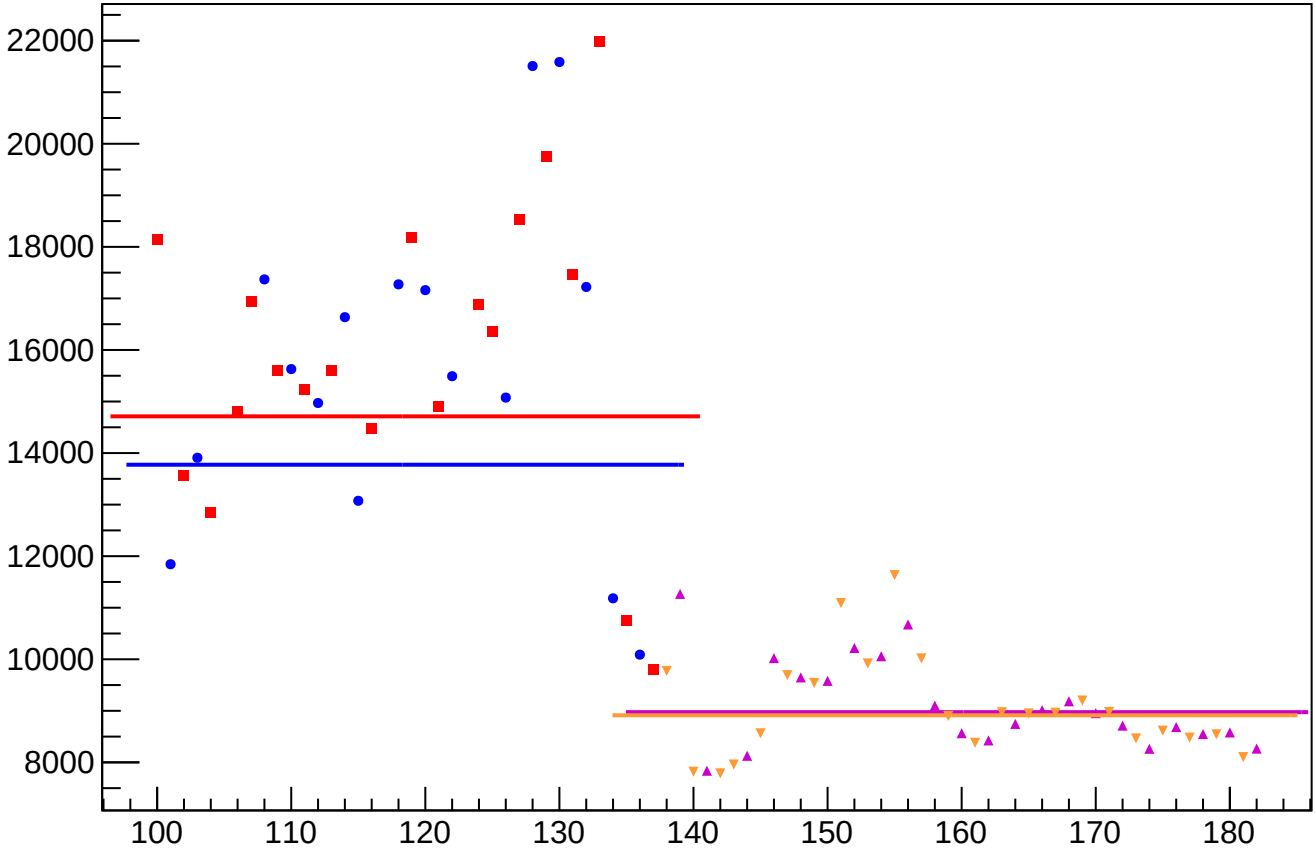
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -0.292+/-1.972 χ^2/NDF:51.8/37

Out: -7.180+/-1.959 χ^2/NDF:86.0/41

All: -3.758+/-1.390 χ^2/NDF: 143.9/79

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8913.285+/-1.483 χ^2/NDF:336605.6/22

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 8974.327+/-1.503 χ^2/NDF:296199.0/21

Left: 8943.401+/-1.056 χ^2/NDF: 633640.5/44

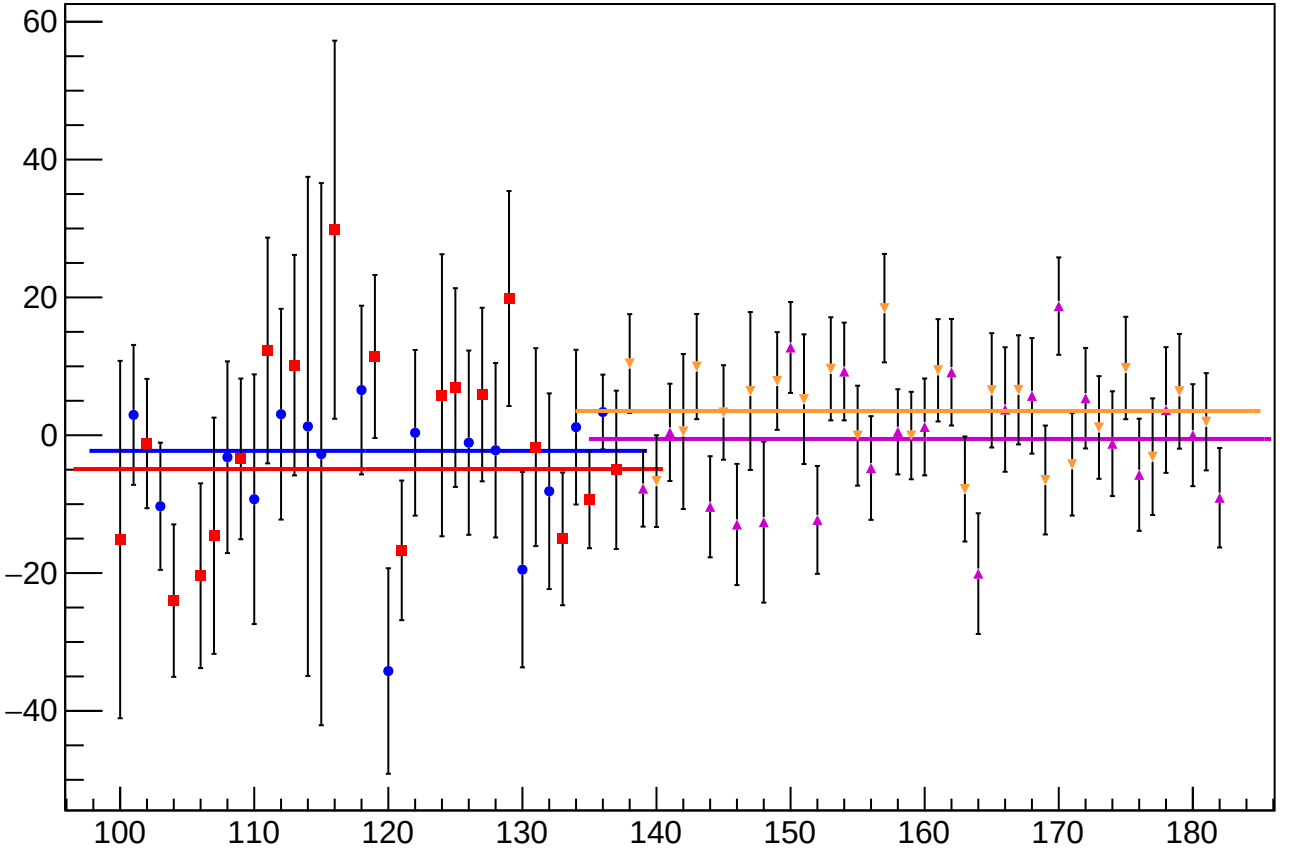
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 9641.150+/-1.394 χ^2/NDF:2461030.7/37

Out: 9650.038+/-1.386 χ^2/NDF:2836742.9/41

All: 9645.623+/-0.983 χ^2/NDF: 5297794.1/79

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.522+/-1.602 χ^2/NDF:16.7/22

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -0.540+/-1.597 χ^2/NDF:32.6/21

Left: 1.485+/-1.131 χ^2/NDF: 52.6/44

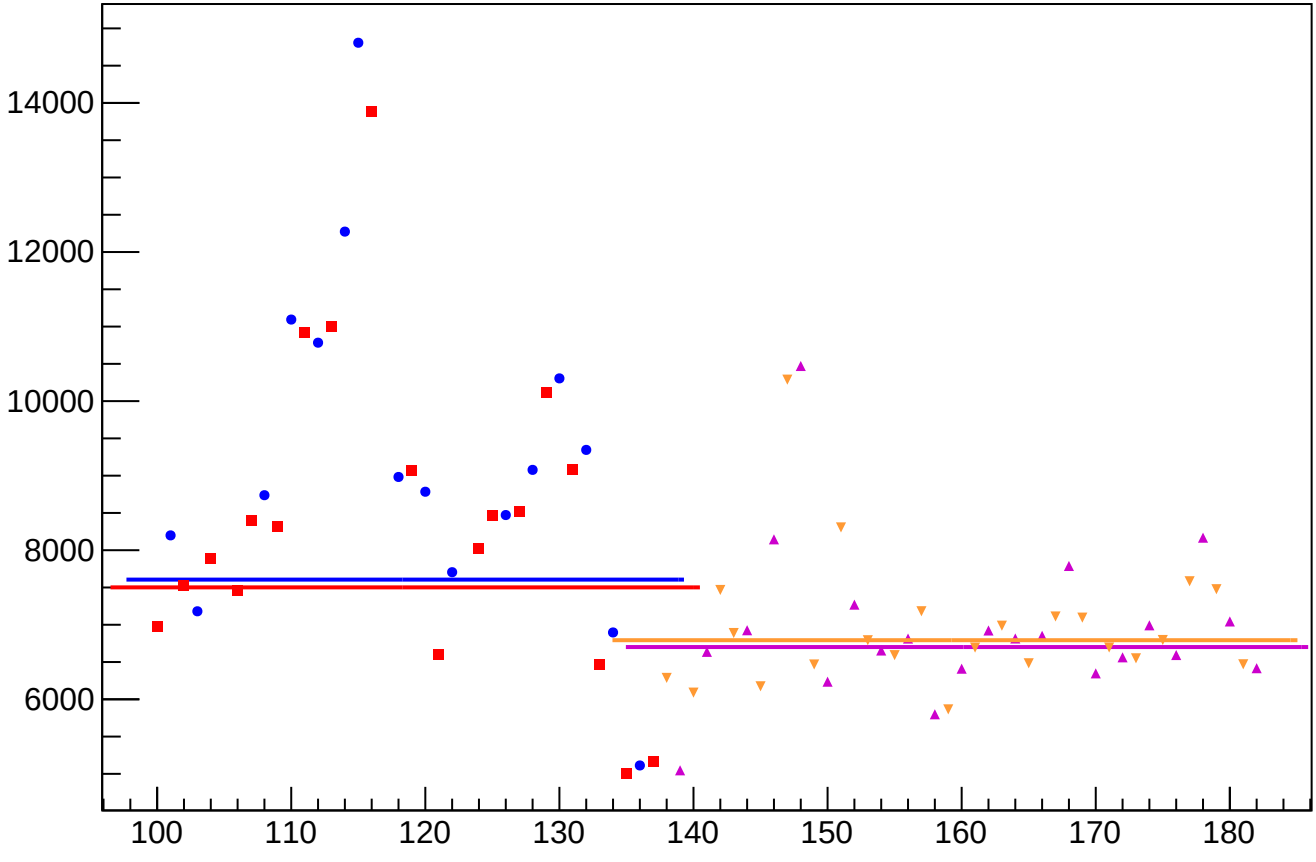
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -0.937+/-1.402 χ^2/NDF:42.2/37

Out: 1.483+/-1.395 χ^2/NDF:41.0/41

All: 0.279+/-0.989 χ^2/NDF: 84.7/79

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6792.819+/-1.133 χ^2/NDF:395552.8/22

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6700.969+/-1.129 χ^2/NDF:615115.2/21

Left: 6746.759+/-0.800 χ^2/NDF: 1013964.7/44

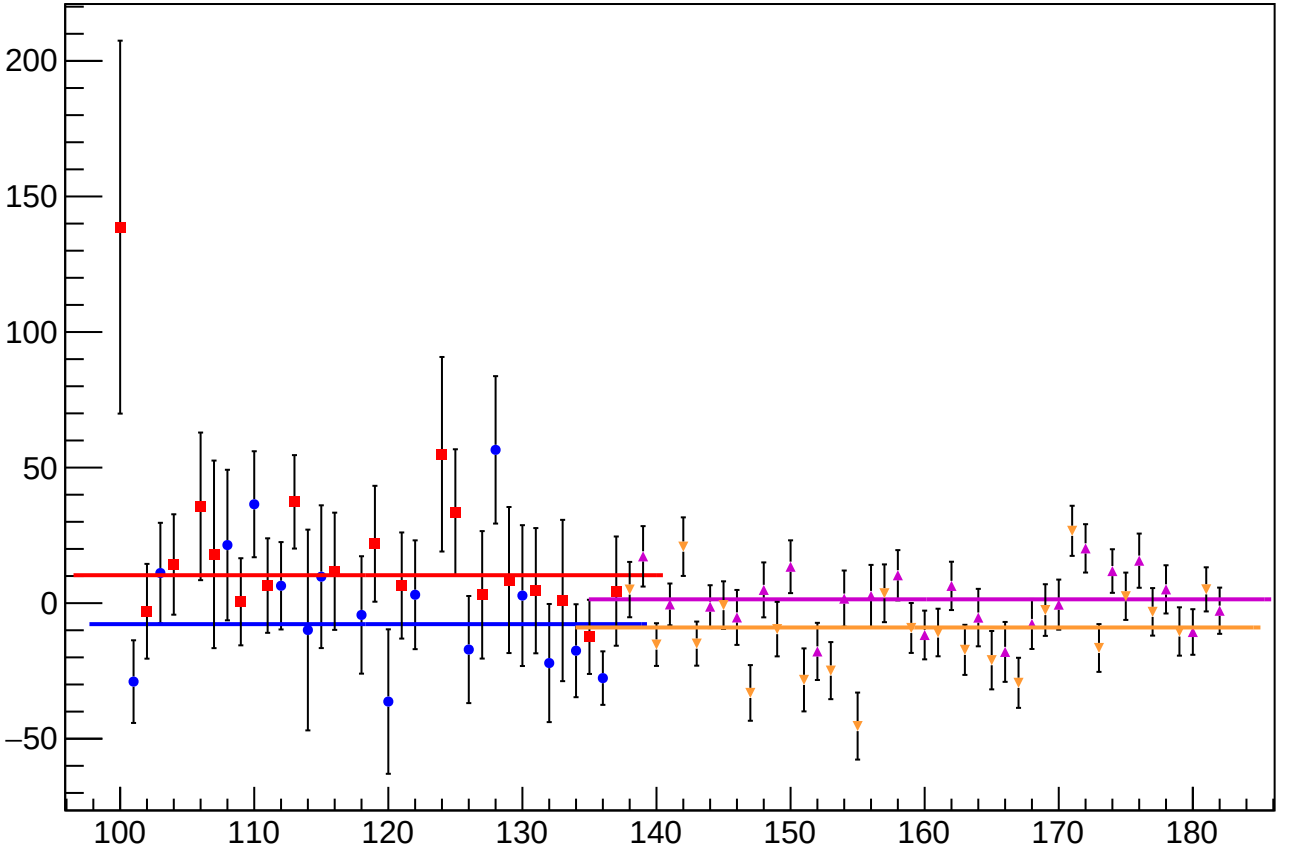
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6909.124+/-0.991 χ^2/NDF:1654229.5/37

Out: 6964.265+/-0.986 χ^2/NDF:1313796.0/41

All: 6936.828+/-0.699 χ^2/NDF: 2969580.7/79

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -8.969+/-1.962 χ^2/NDF:60.4/22

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 1.412+/-1.990 χ^2/NDF:26.1/21

Left: -3.852+/-1.397 χ^2/NDF: 100.4/44

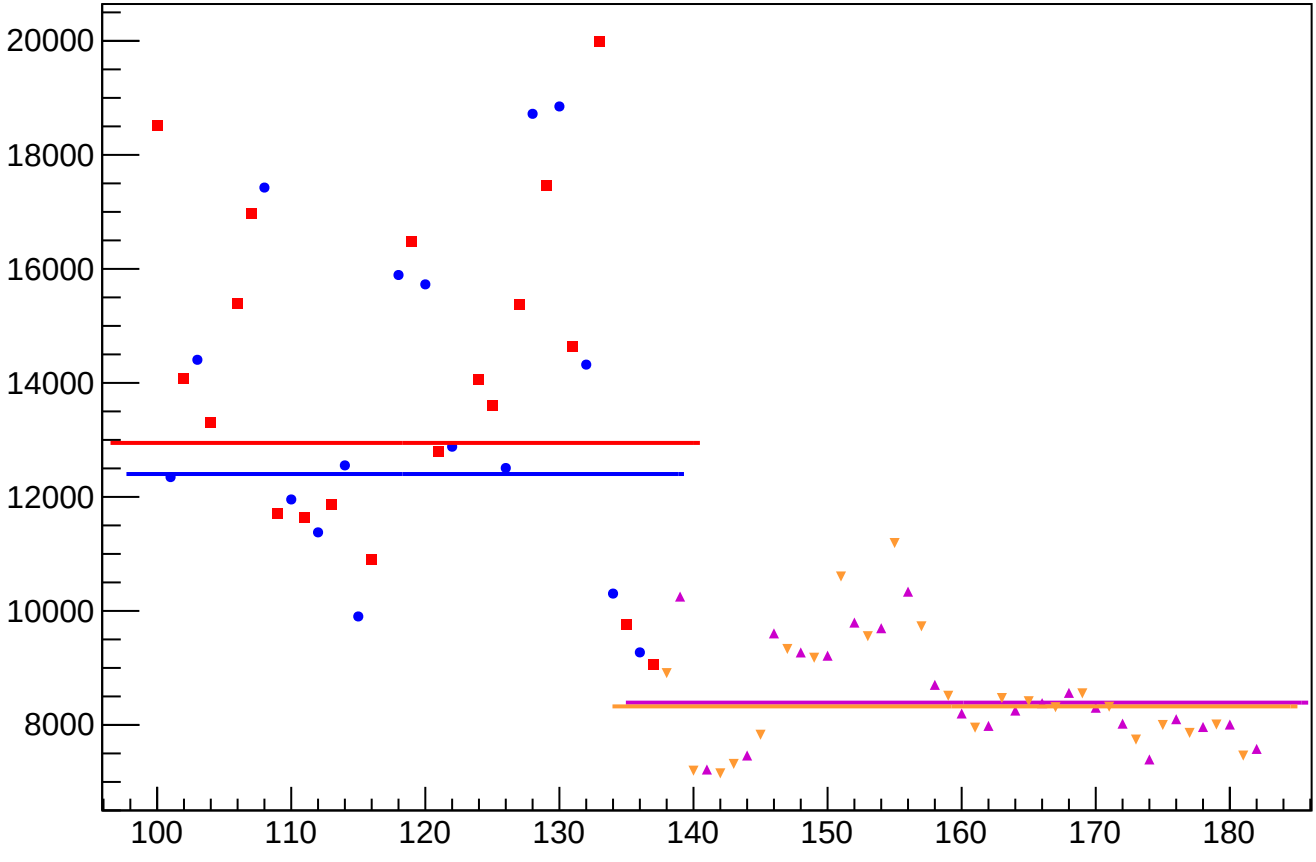
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: 0.045+/-1.835 χ^2/NDF:51.9/37

Out: -6.249+/-1.818 χ^2/NDF:88.0/41

All: -3.131+/-1.291 χ^2/NDF: 145.9/79

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8325.216+/-1.387 χ^2/NDF:437016.6/22

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8391.174+/-1.407 χ^2/NDF:384191.5/21

Left: 8357.731+/-0.988 χ^2/NDF: 822322.8/44

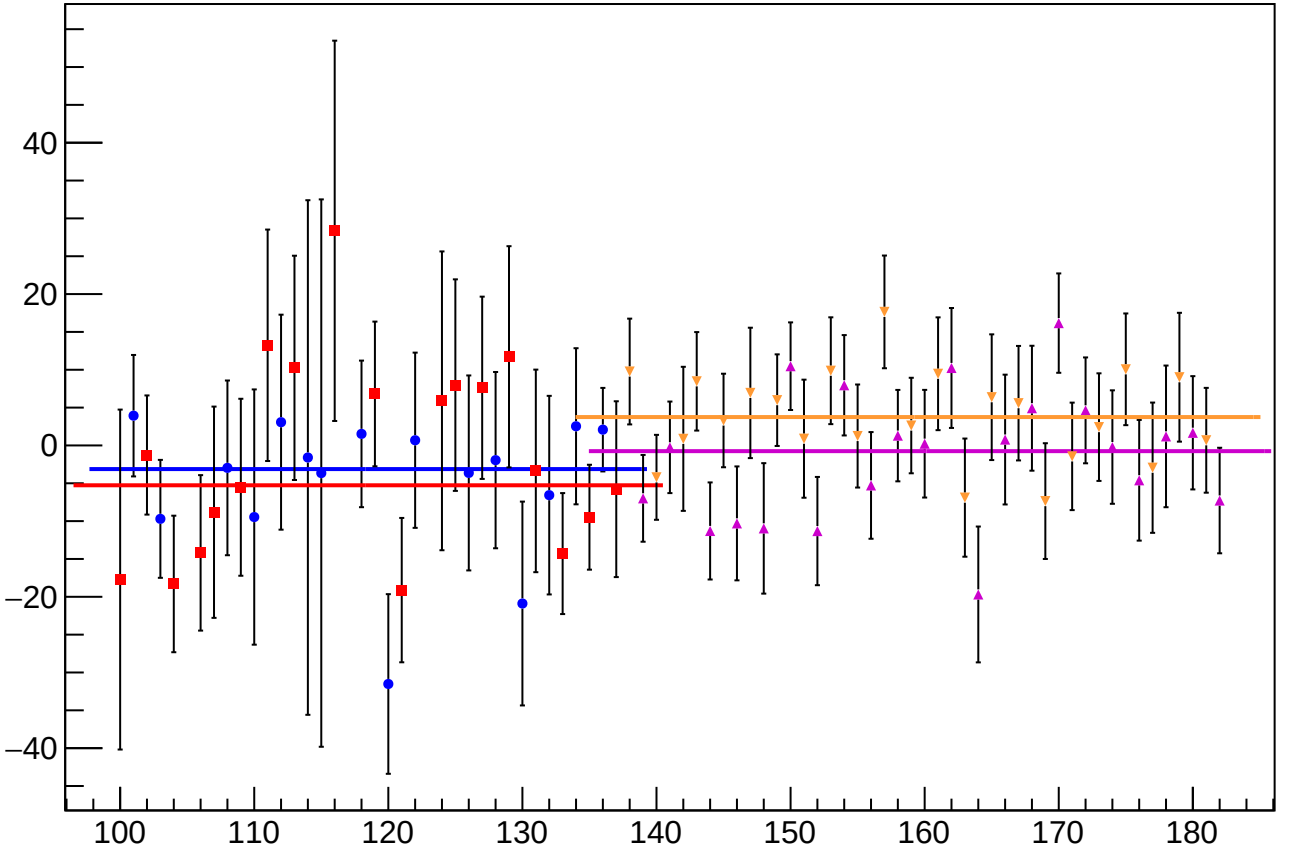
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 8990.137+/-1.297 χ^2/NDF:2276310.2/37

Out: 8977.441+/-1.286 χ^2/NDF:2558946.3/41

All: 8983.730+/-0.913 χ^2/NDF: 4835304.9/79

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.750+/-1.500 χ^2/NDF:15.4/22

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -0.754+/-1.514 χ^2/NDF:30.5/21

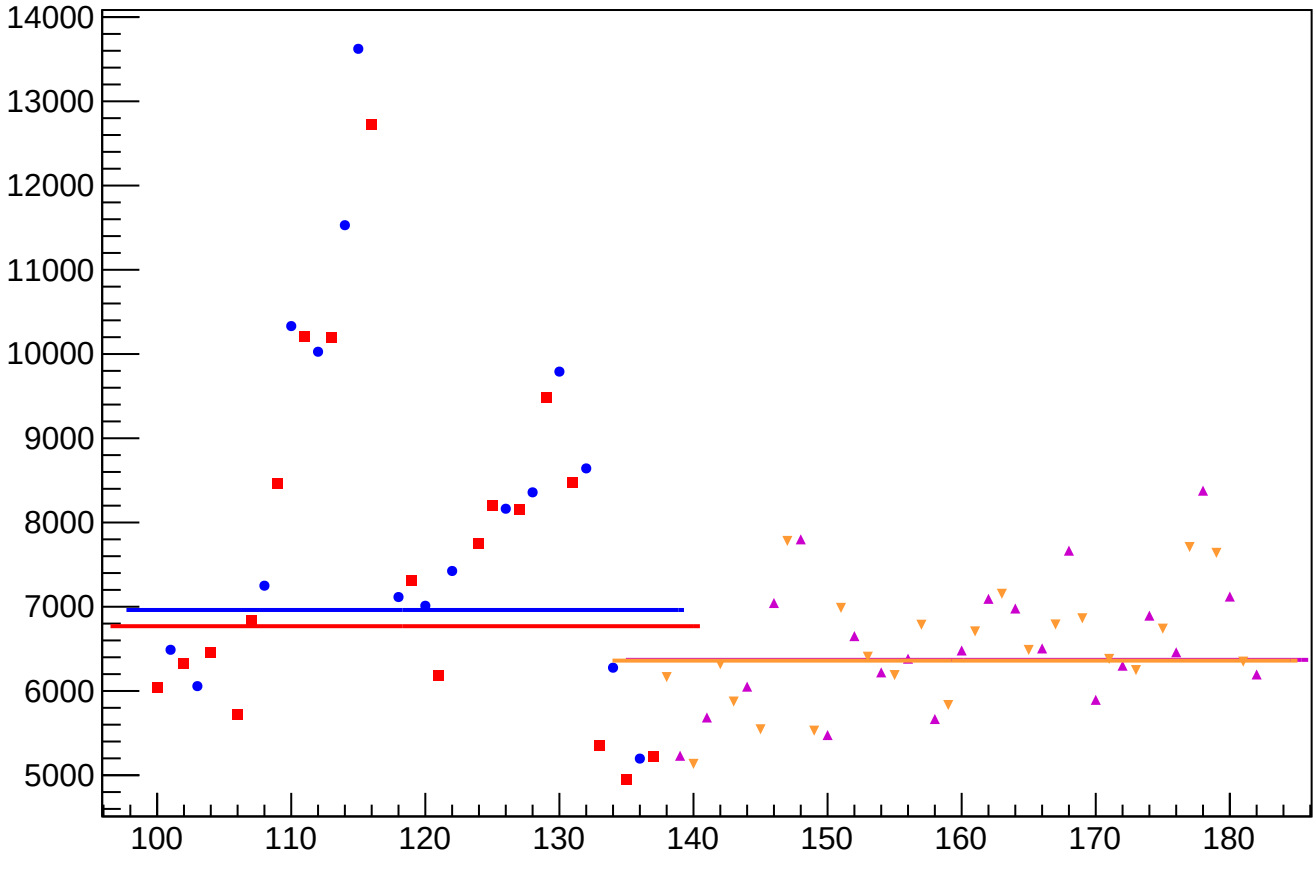
Left: 1.519+/-1.065 χ^2/NDF: 50.3/44

Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -1.335+/-1.315 χ^2/NDF:42.0/37

Out: 1.437+/-1.293 χ^2/NDF:41.6/41

All: 0.075+/-0.922 χ^2/NDF: 85.8/79



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6360.518+/-1.060 χ^2/NDF:410505.3/22

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6369.485+/-1.071 χ^2/NDF:469741.1/21

Left: 6364.959+/-0.753 χ^2/NDF: 880281.8/44

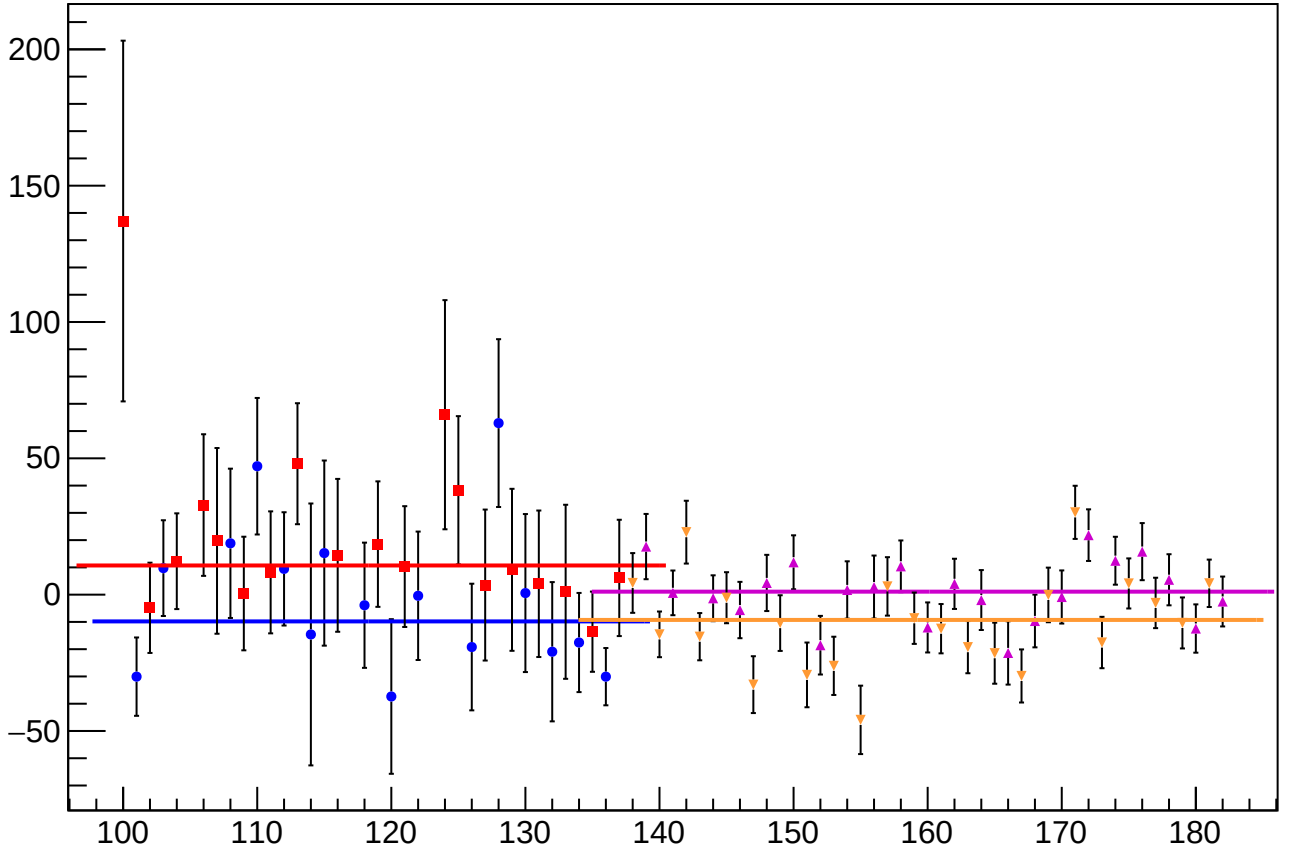
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6514.723+/-0.930 χ^2/NDF:1241190.4/37

Out: 6465.292+/-0.914 χ^2/NDF:1246675.0/41

All: 6489.586+/-0.652 χ^2/NDF: 2489302.0/79

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -9.270+/-2.052 χ^2/NDF:61.3/22

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 1.098+/-2.080 χ^2/NDF:26.4/21

Left: -4.155+/-1.461 χ^2/NDF: 100.2/44

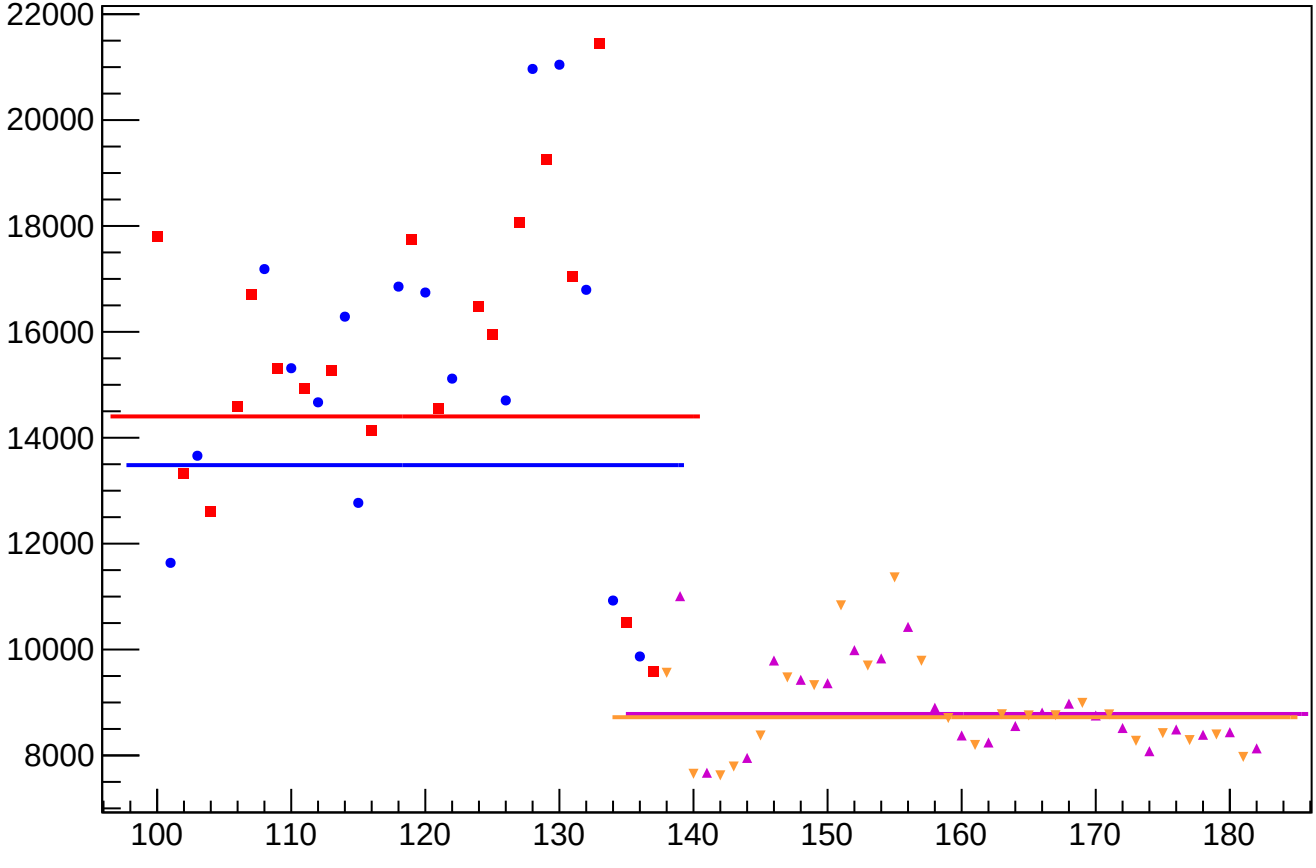
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -0.417+/-1.930 χ^2/NDF:52.3/37

Out: -6.734+/-1.917 χ^2/NDF:87.6/41

All: -3.596+/-1.360 χ^2/NDF: 145.2/79

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8721.839+/-1.451 χ^2/NDF:330836.9/22

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8782.947+/-1.471 χ^2/NDF:290084.9/21

Left: 8751.982+/-1.033 χ^2/NDF: 621796.7/44

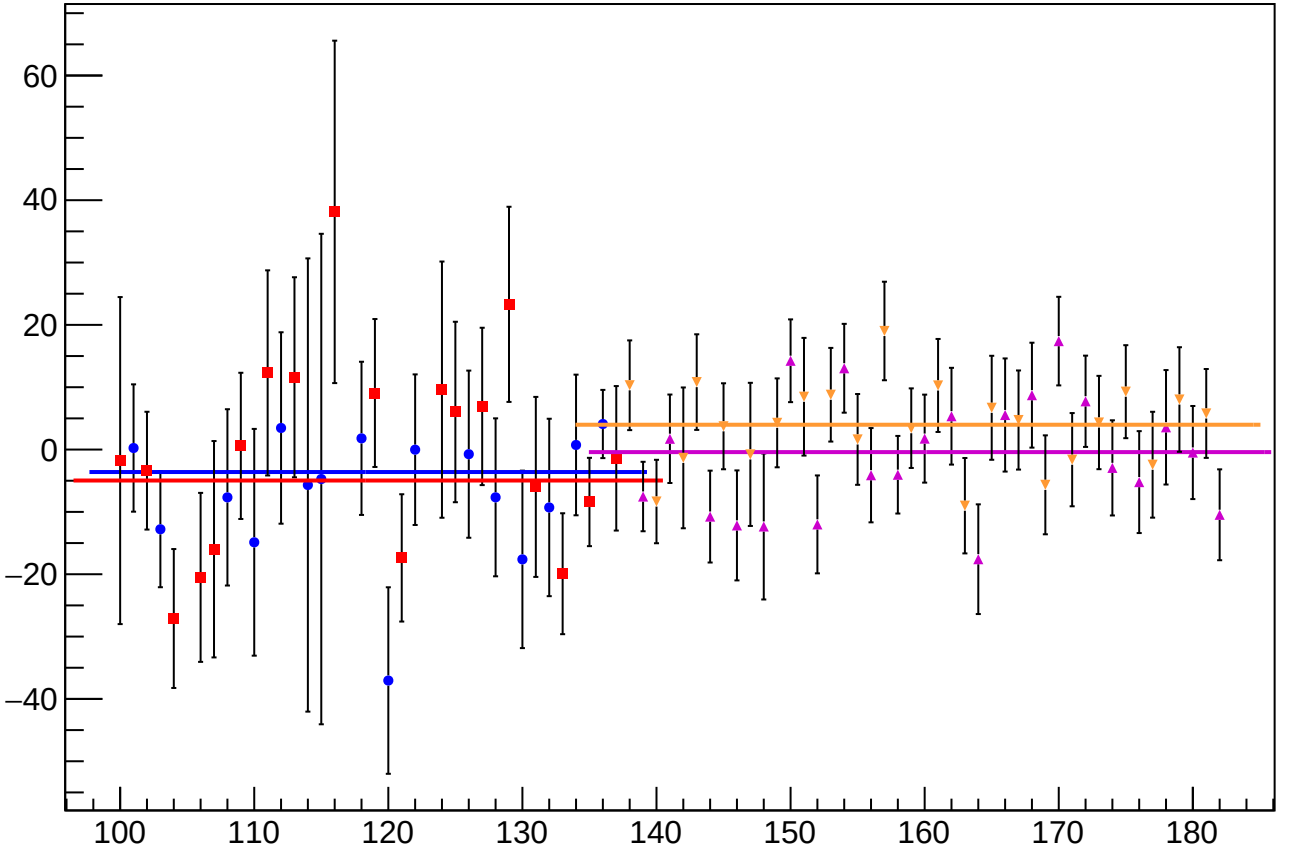
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9435.762+/-1.365 χ^2/NDF:2452628.6/37

Out: 9443.090+/-1.356 χ^2/NDF:2829648.0/41

All: 9439.450+/-0.962 χ^2/NDF: 5282291.1/79

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.982+/-1.610 χ^2/NDF:16.8/22

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -0.409+/-1.606 χ^2/NDF:33.8/21

Left: 1.781+/-1.137 χ^2/NDF: 54.4/44

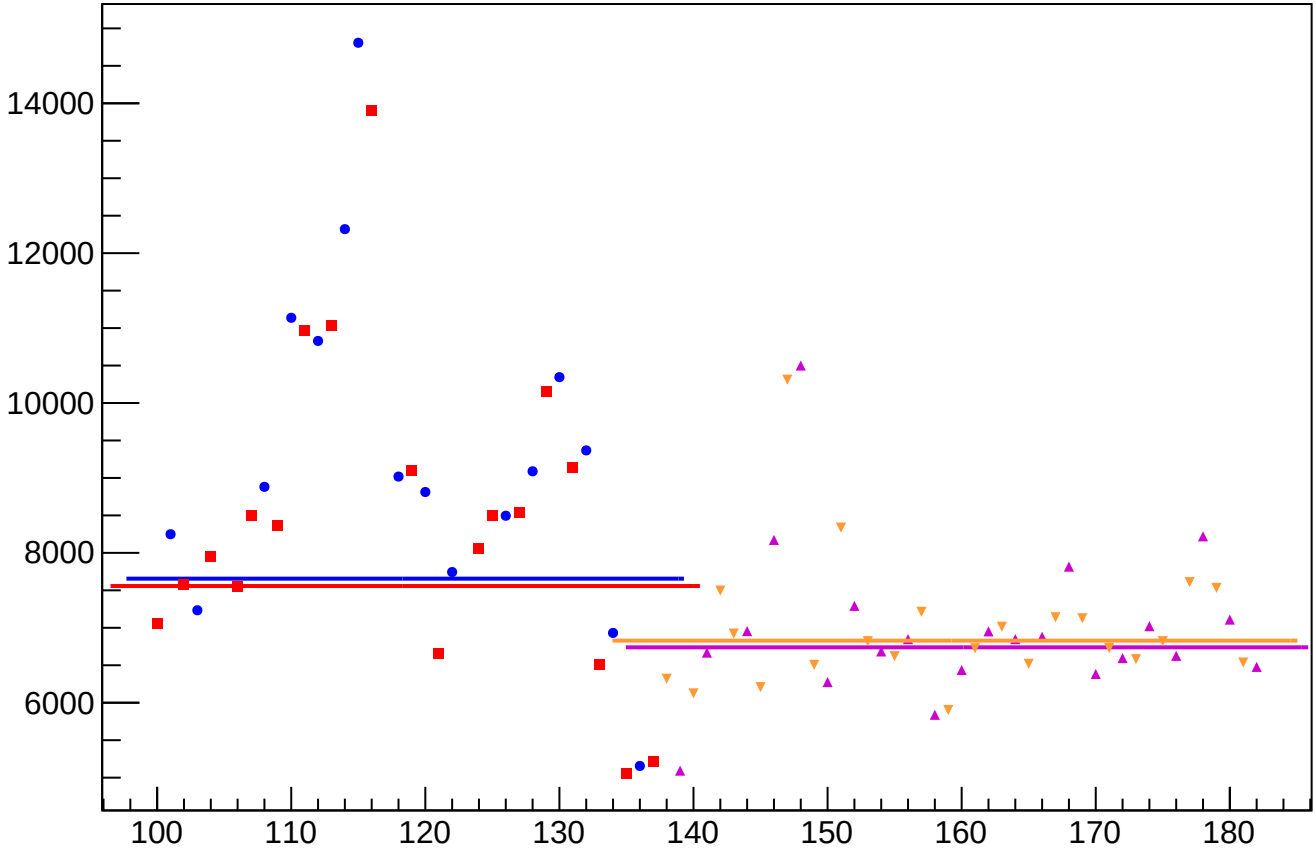
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -1.144+/-1.410 χ^2/NDF:45.2/37

Out: 1.823+/-1.403 χ^2/NDF:45.7/41

All: 0.347+/-0.994 χ^2/NDF: 93.1/79

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6828.563+/-1.139 χ^2/NDF:390254.7/22

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6739.384+/-1.136 χ^2/NDF:604842.2/21

Left: 6783.861+/-0.804 χ^2/NDF: 998172.0/44

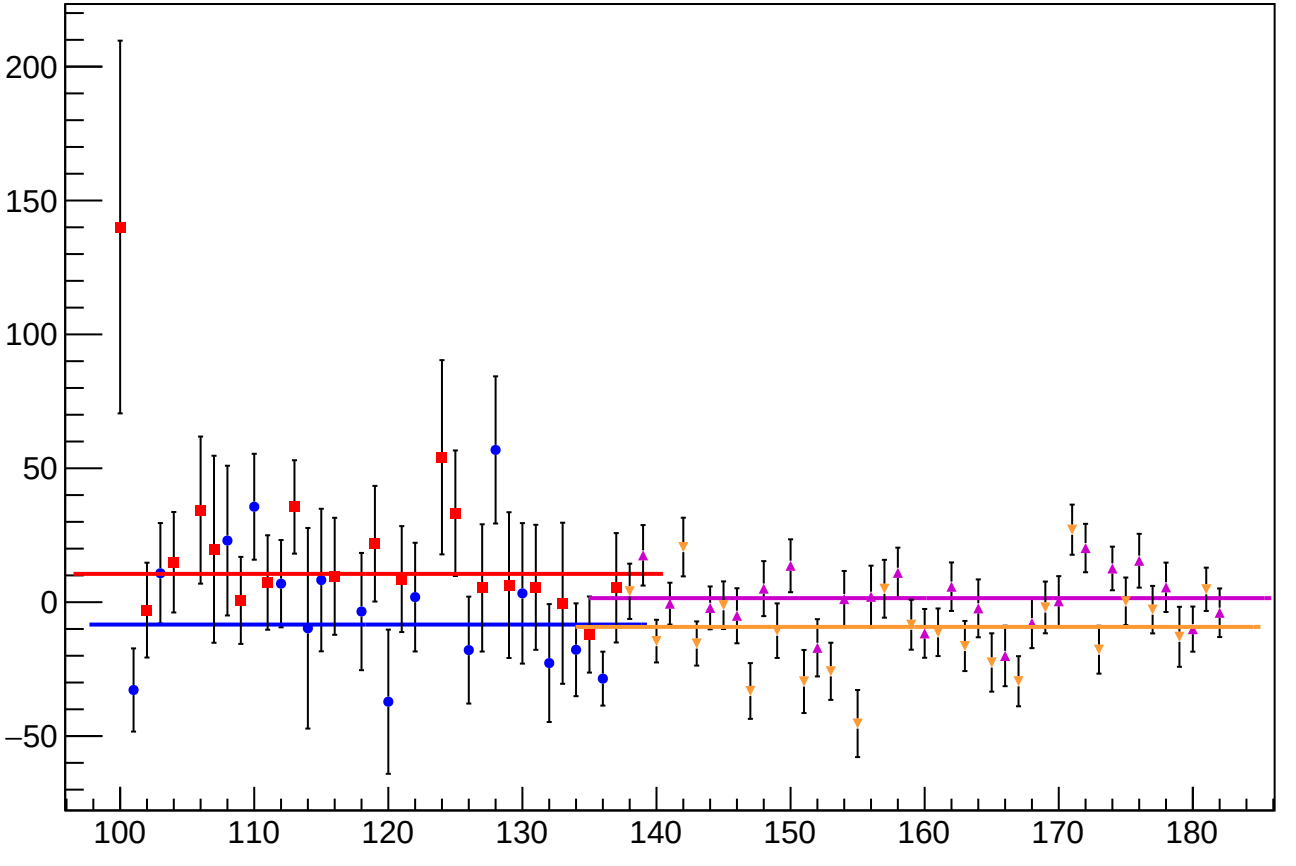
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6950.047+/-0.997 χ^2/NDF:1634288.0/37

Out: 7004.436+/-0.992 χ^2/NDF:1299004.3/41

All: 6977.376+/-0.703 χ^2/NDF: 2934788.6/79

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -9.232+/-2.003 χ^2/NDF:59.8/22

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 1.514+/-2.023 χ^2/NDF:25.9/21

Left: -3.914+/-1.423 χ^2/NDF: 100.0/44

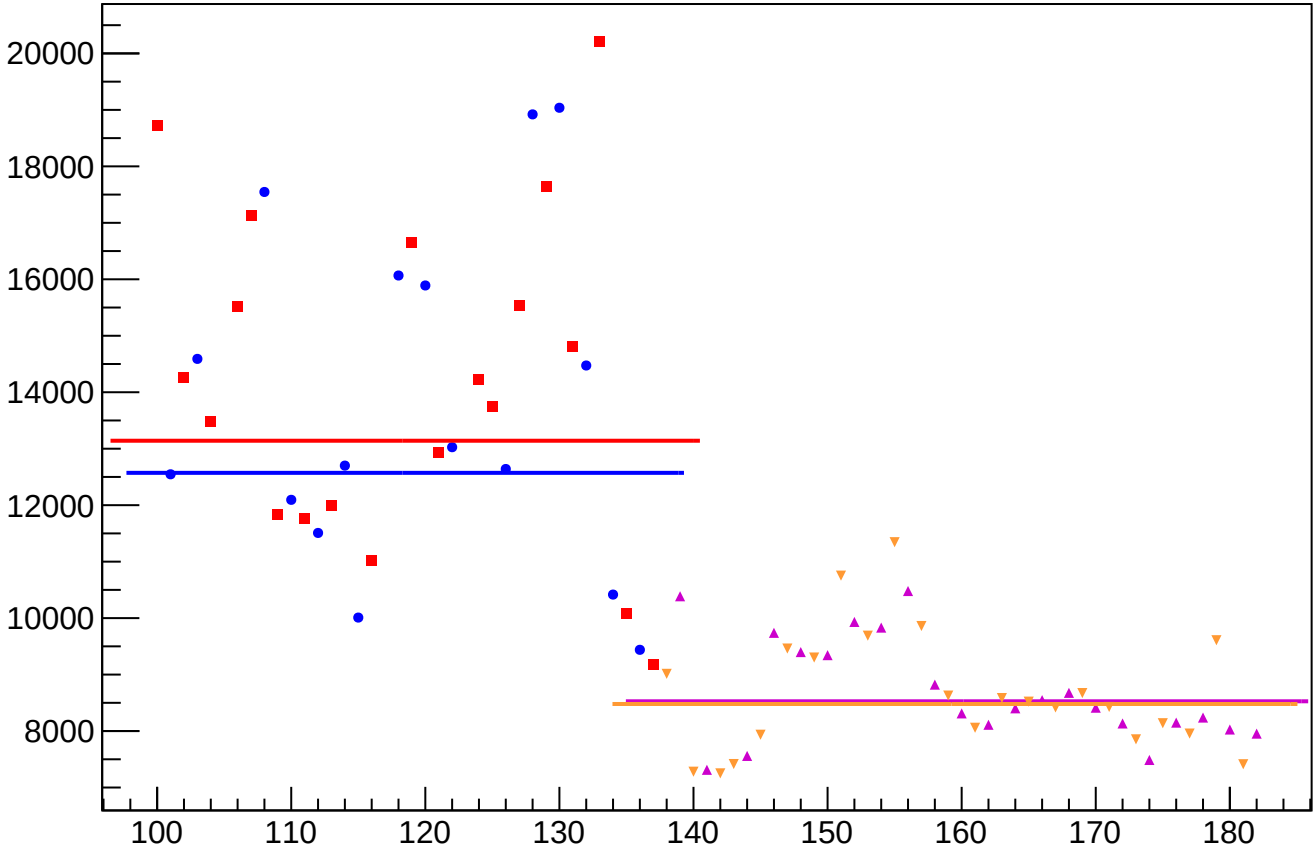
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: 0.033+/-1.865 χ^2/NDF:52.7/37

Out: -6.407+/-1.854 χ^2/NDF:86.7/41

All: -3.206+/-1.315 χ^2/NDF: 145.4/79

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8479.341+/-1.416 χ^2/NDF:465944.5/22

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8527.017+/-1.431 χ^2/NDF:374215.0/21

Left: 8502.936+/-1.006 χ^2/NDF: 840720.4/44

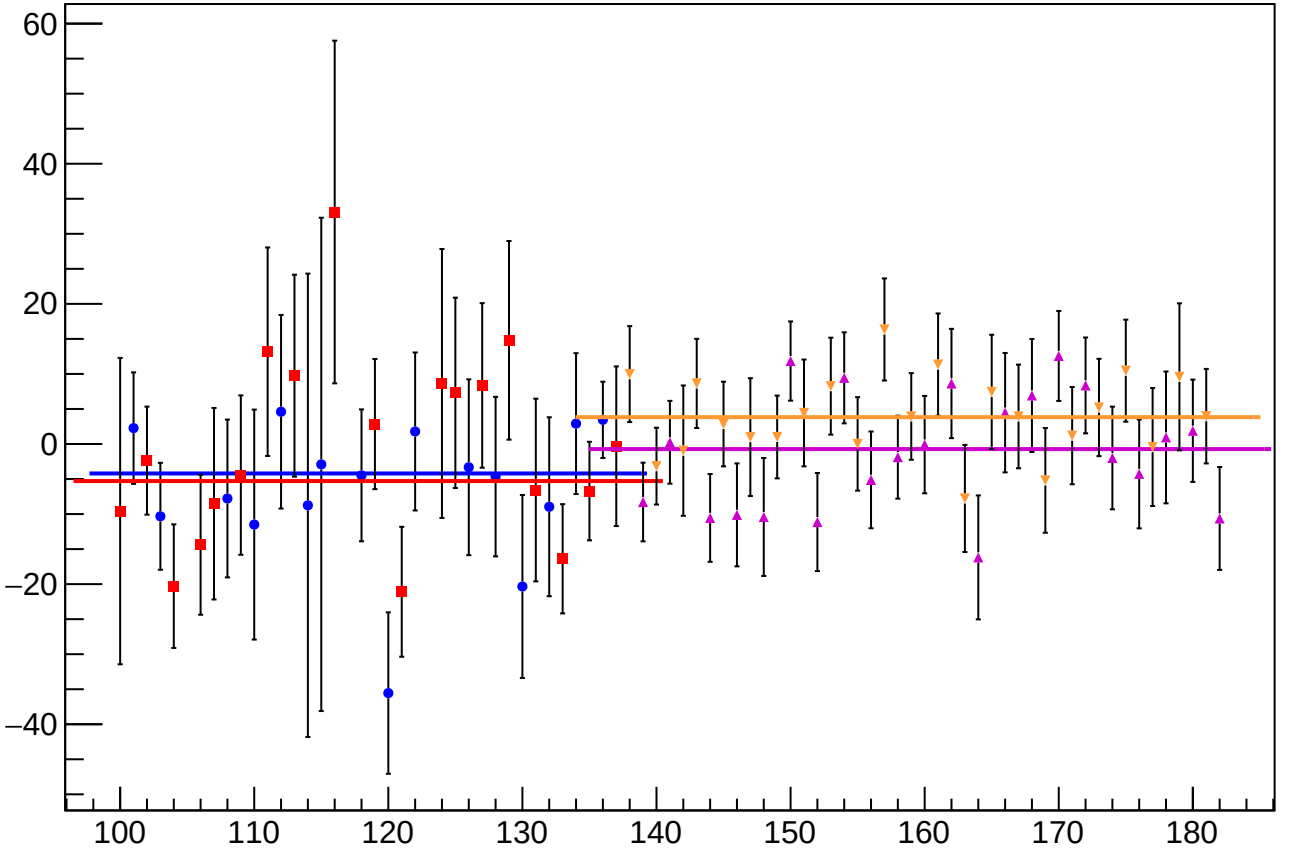
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9134.432+/-1.319 χ^2/NDF:2239760.0/37

Out: 9144.142+/-1.311 χ^2/NDF:2545972.7/41

All: 9139.315+/-0.930 χ^2/NDF: 4785760.0/79

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.833+/-1.476 χ^2/NDF:13.9/22

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -0.725+/-1.488 χ^2/NDF:31.3/21

Left: 1.573+/-1.048 χ^2/NDF: 50.0/44

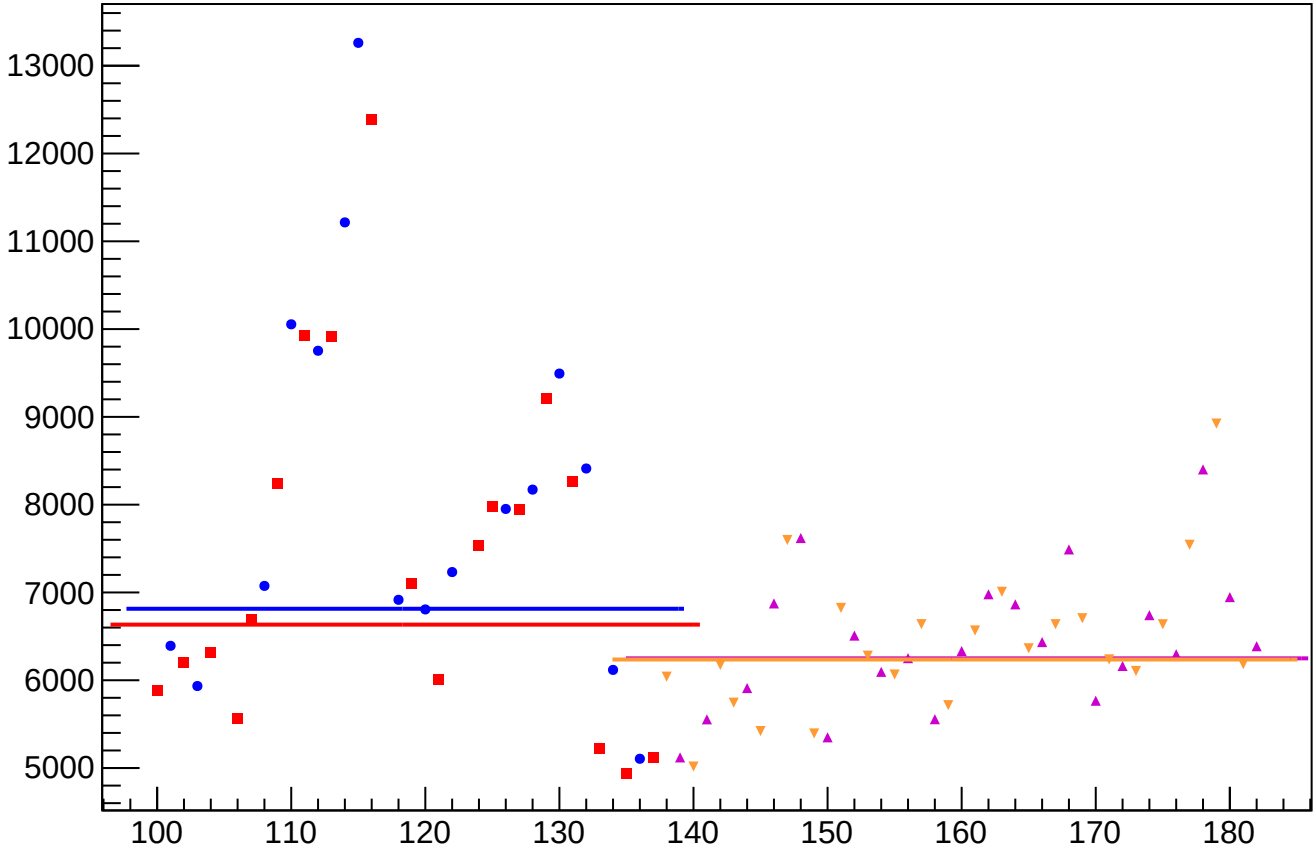
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -1.583+/-1.291 χ^2/NDF:46.6/37

Out: 1.479+/-1.271 χ^2/NDF:43.5/41

All: -0.027+/-0.906 χ^2/NDF: 92.9/79

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6236.284+/-1.043 χ^2/NDF:500696.8/22

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6249.375+/-1.052 χ^2/NDF:483792.0/21

Left: 6242.776+/-0.741 χ^2/NDF: 984566.9/44

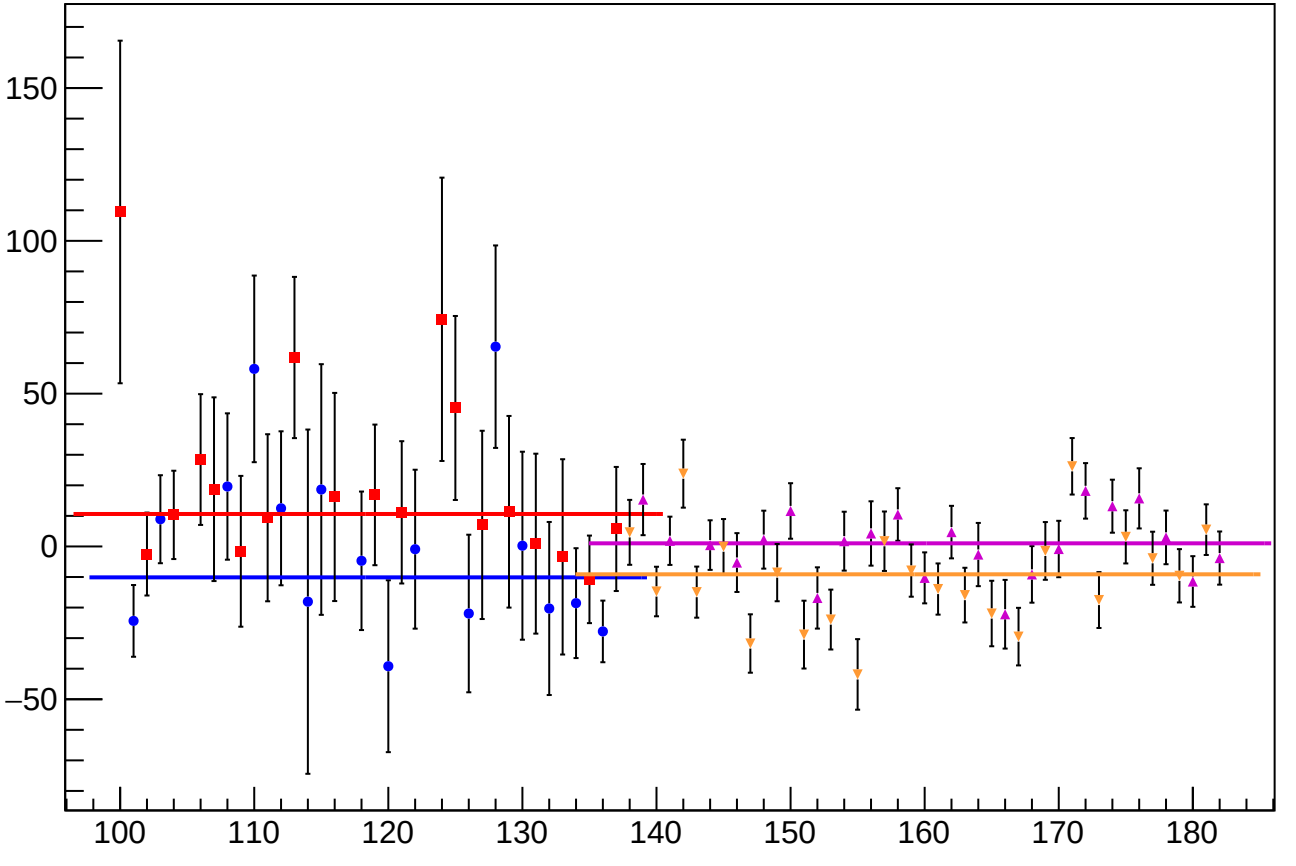
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6388.676+/-0.913 χ^2/NDF:1228998.6/37

Out: 6338.840+/-0.899 χ^2/NDF:1301481.4/41

All: 6363.364+/-0.641 χ^2/NDF: 2531993.1/79

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -9.114+/-1.935 χ^2/NDF:61.4/22

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 1.023+/-1.958 χ^2/NDF:25.9/21

Left: -4.105+/-1.376 χ^2/NDF: 100.8/44

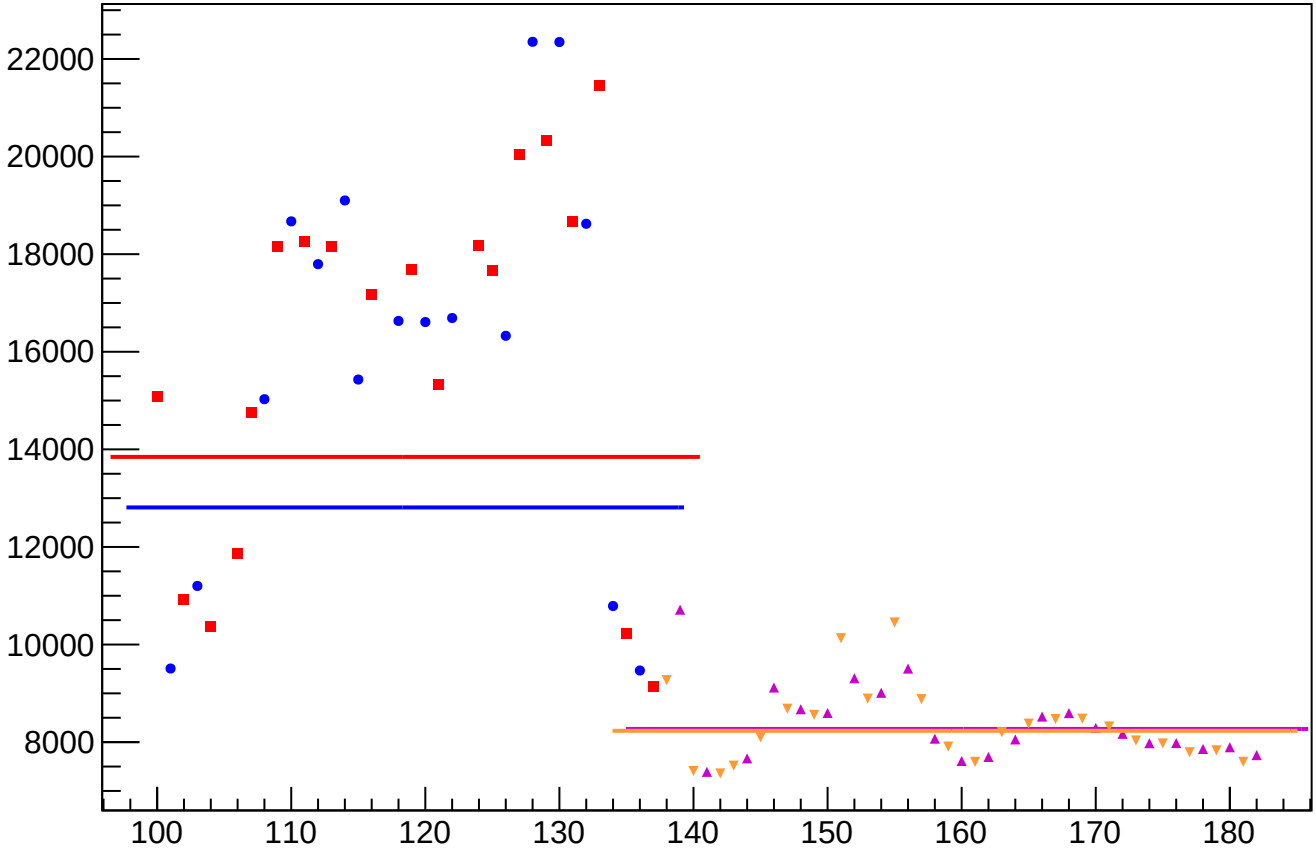
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -0.448+/-1.824 χ^2/NDF:51.4/37

Out: -6.775+/-1.817 χ^2/NDF:88.5/41

All: -3.624+/-1.287 χ^2/NDF: 145.9/79

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8232.551+/-1.368 χ^2/NDF:266030.7/22

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8270.923+/-1.384 χ^2/NDF:253547.3/21

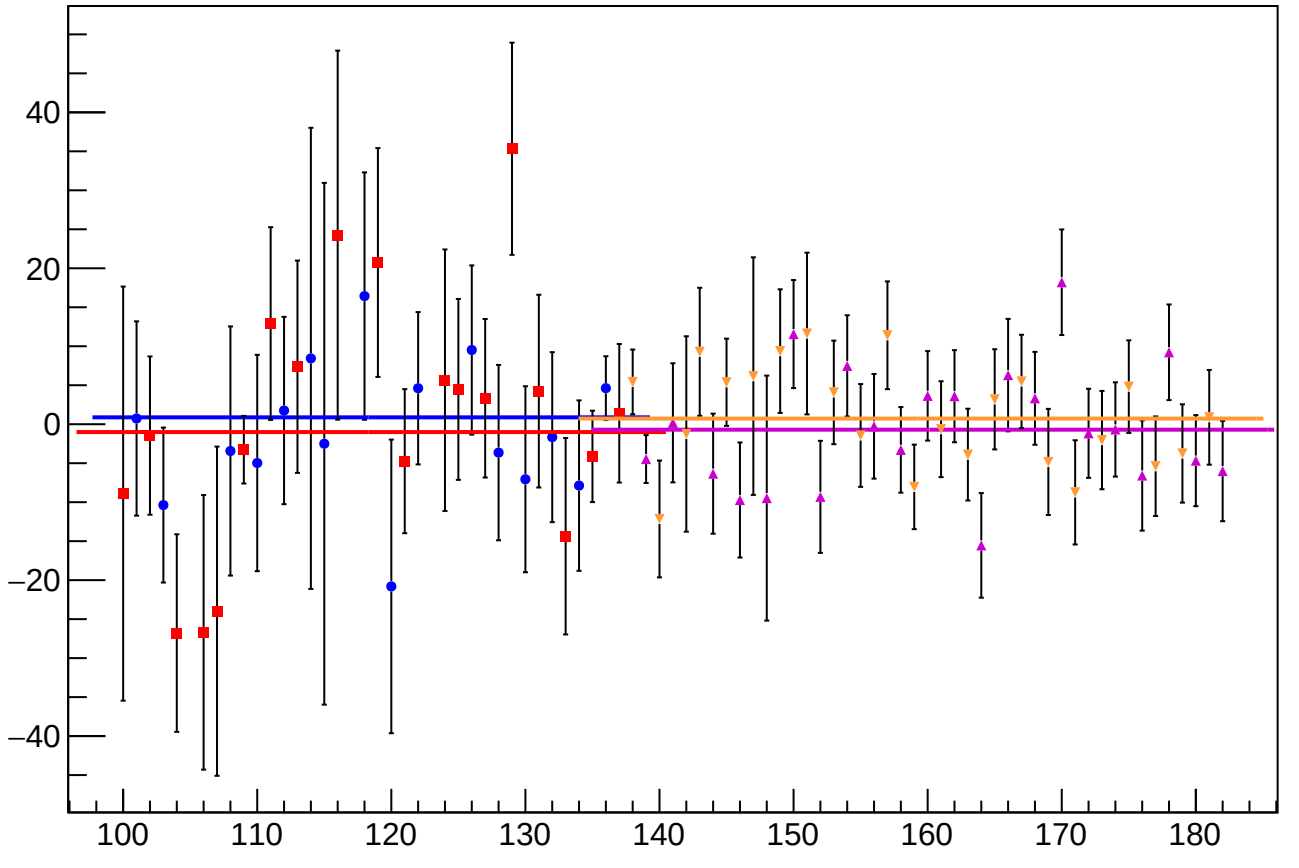
Left: 8251.514+/-0.973 χ^2/NDF: 519966.7/44

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 8870.617+/-1.290 χ^2/NDF:2922461.4/37

Out: 8897.858+/-1.285 χ^2/NDF:3357474.9/41

All: 8884.290+/-0.910 χ^2/NDF: 6280160.3/79



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 0.725+/-1.360 χ^2/NDF:20.0/22

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -0.702+/-1.302 χ^2/NDF:29.9/21

Left: -0.020+/-0.940 χ^2/NDF: 50.5/44

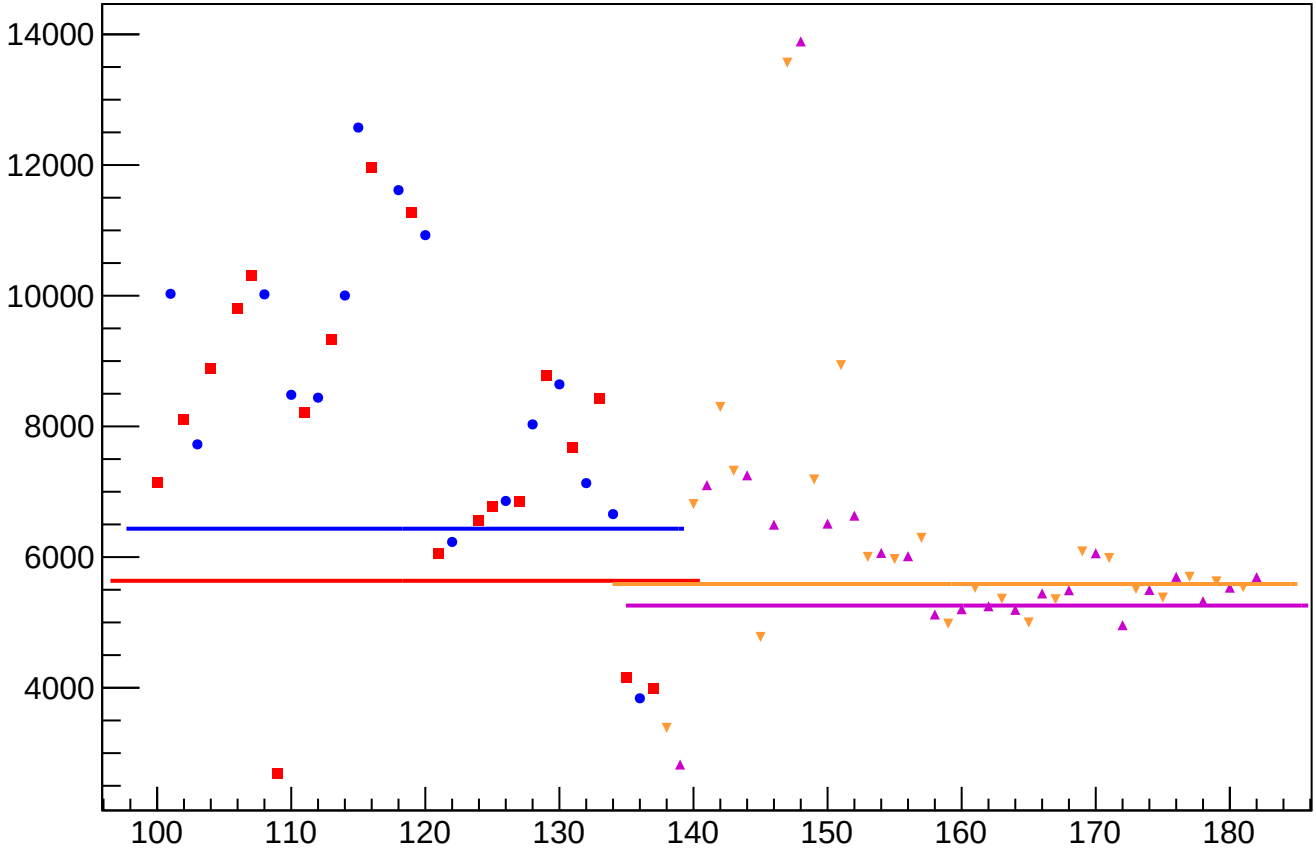
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -0.378+/-1.161 χ^2/NDF:37.0/37

Out: 0.280+/-1.172 χ^2/NDF:42.8/41

All: -0.052+/-0.825 χ^2/NDF: 79.9/79

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5588.139+/-0.962 χ^2/NDF:1782944.6/22

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5258.465+/-0.920 χ^2/NDF:2424245.5/21

Left: 5416.091+/-0.665 χ^2/NDF: 4268533.5/44

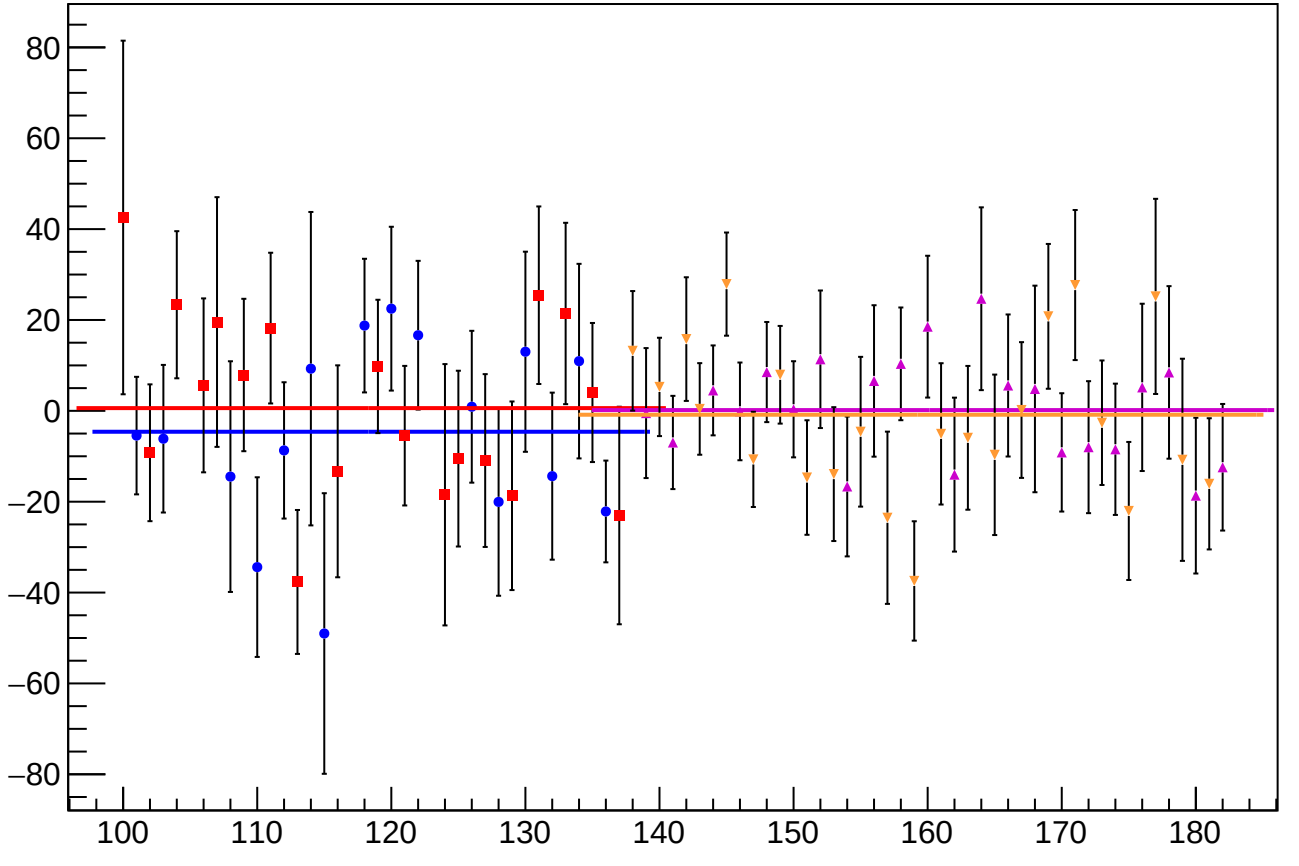
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5499.145+/-0.821 χ^2/NDF:4509002.3/37

Out: 5600.771+/-0.829 χ^2/NDF:4363630.4/41

All: 5549.454+/-0.583 χ^2/NDF: 8880221.1/79

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.855+/-2.883 χ^2/NDF:32.2/22

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 0.166+/-2.951 χ^2/NDF:11.0/21

Left: -0.356+/-2.062 χ^2/NDF: 43.2/44

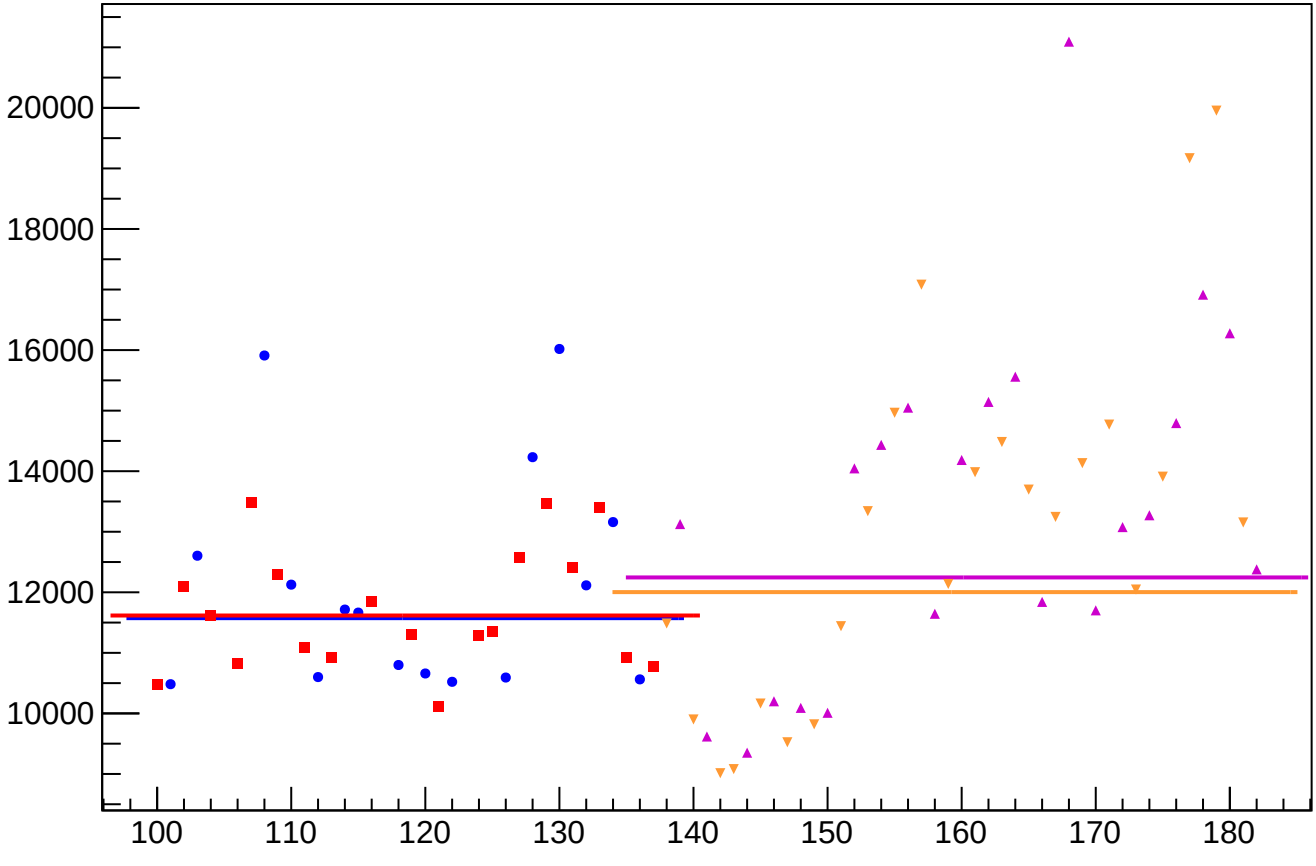
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -1.334+/-2.443 χ^2/NDF:27.6/37

Out: -0.399+/-2.389 χ^2/NDF:50.1/41

All: -0.856+/-1.708 χ^2/NDF: 77.8/79

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 12003.224+/-2.039 χ^2/NDF:1546909.4/22

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 12245.462+/-2.086 χ^2/NDF:1415843.4/21

Left: 12121.552+/-1.458 χ^2/NDF: 2969648.5/44

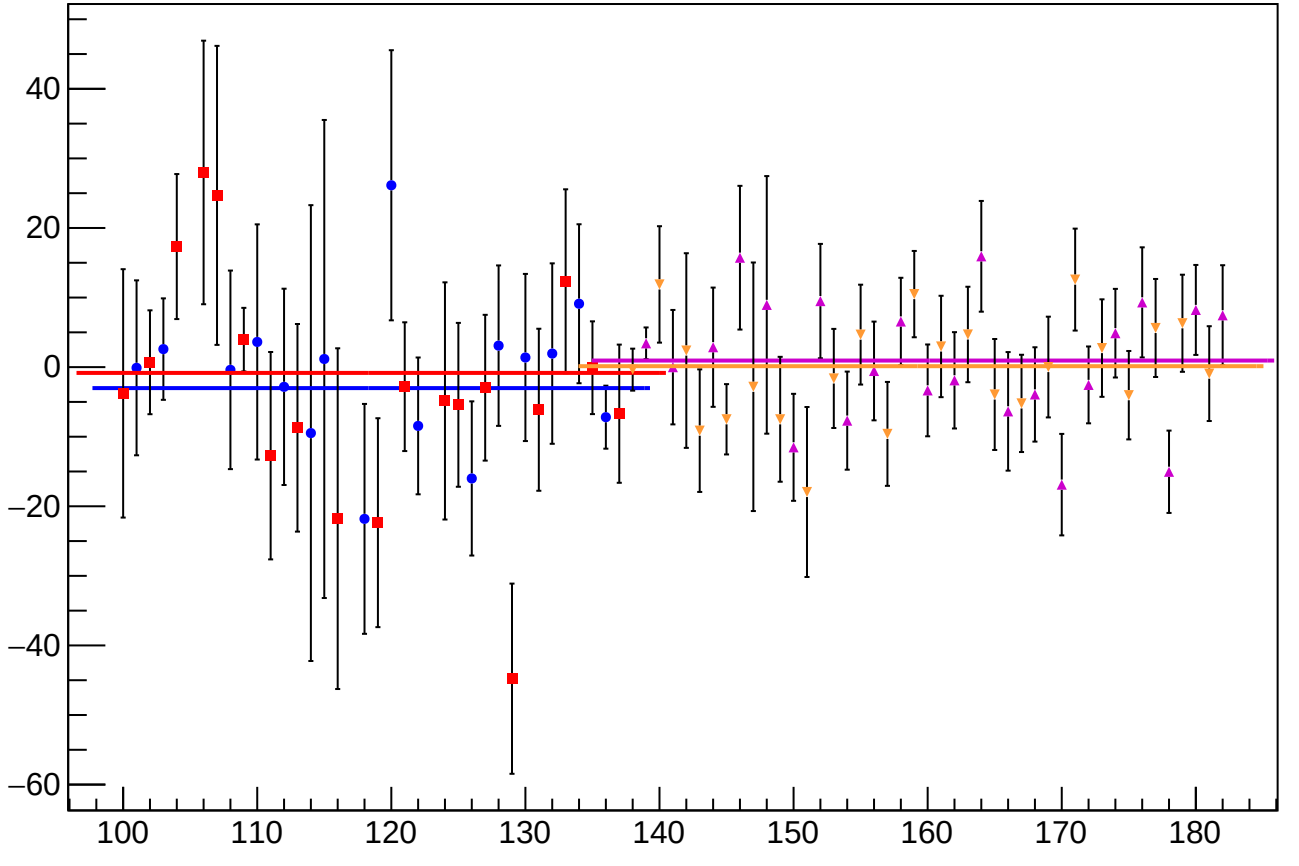
Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 12033.906+/-1.727 χ^2/NDF:1708590.0/37

Out: 11882.063+/-1.689 χ^2/NDF:1651339.3/41

All: 11956.296+/-1.208 χ^2/NDF: 3363879.5/7

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: 0.135+/-1.403 χ^2/NDF:19.6/22

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 0.946+/-1.303 χ^2/NDF:32.2/21

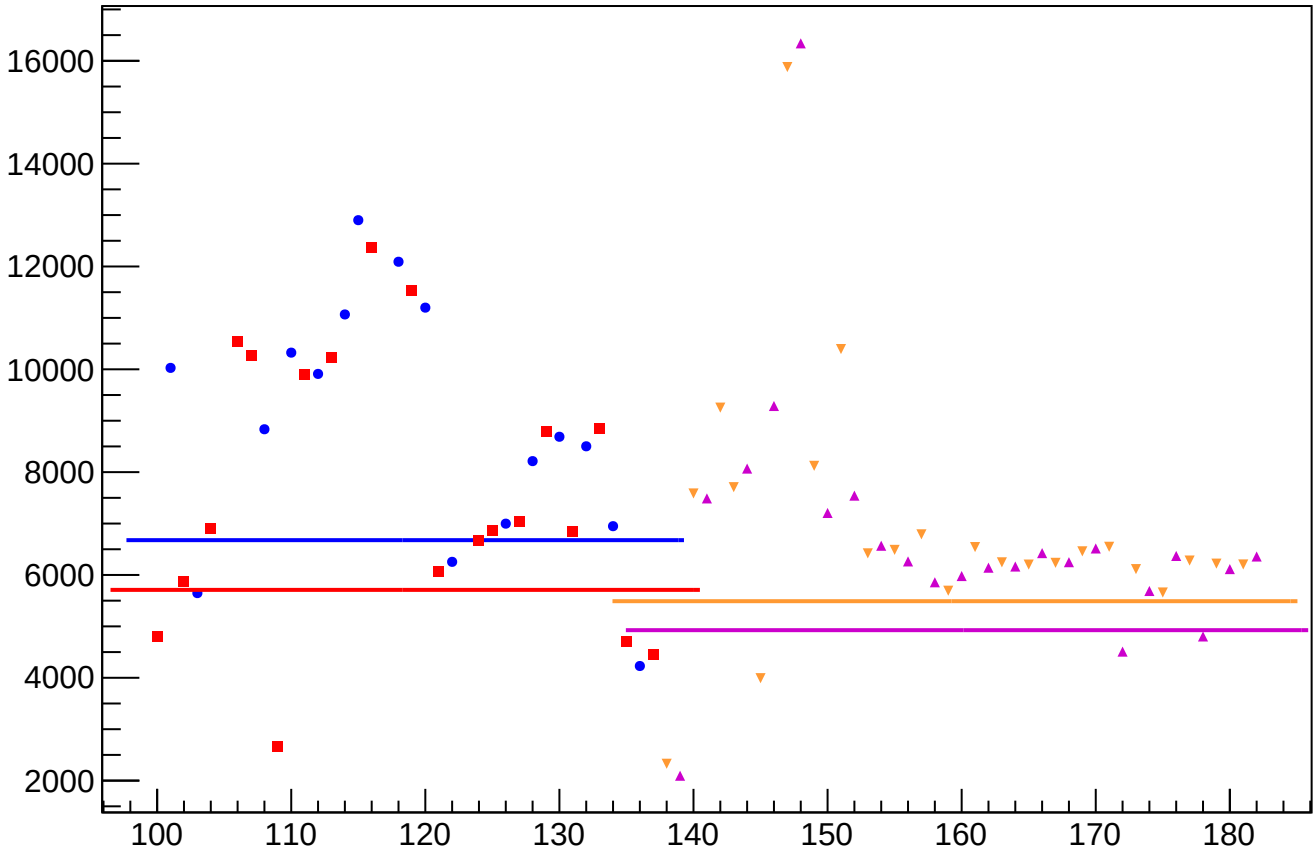
Left: 0.571+/-0.955 χ^2/NDF: 52.0/44

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.177+/-1.169 χ^2/NDF:42.6/37

Out: -0.119+/-1.205 χ^2/NDF:43.6/41

All: 0.034+/-0.839 χ^2/NDF: 86.2/79



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5489.831+/-0.992 χ^2/NDF:4344147.8/22

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4926.221+/-0.921 χ^2/NDF:5913414.3/21

Left: 5187.133+/-0.675 χ^2/NDF: 10430856.6/44

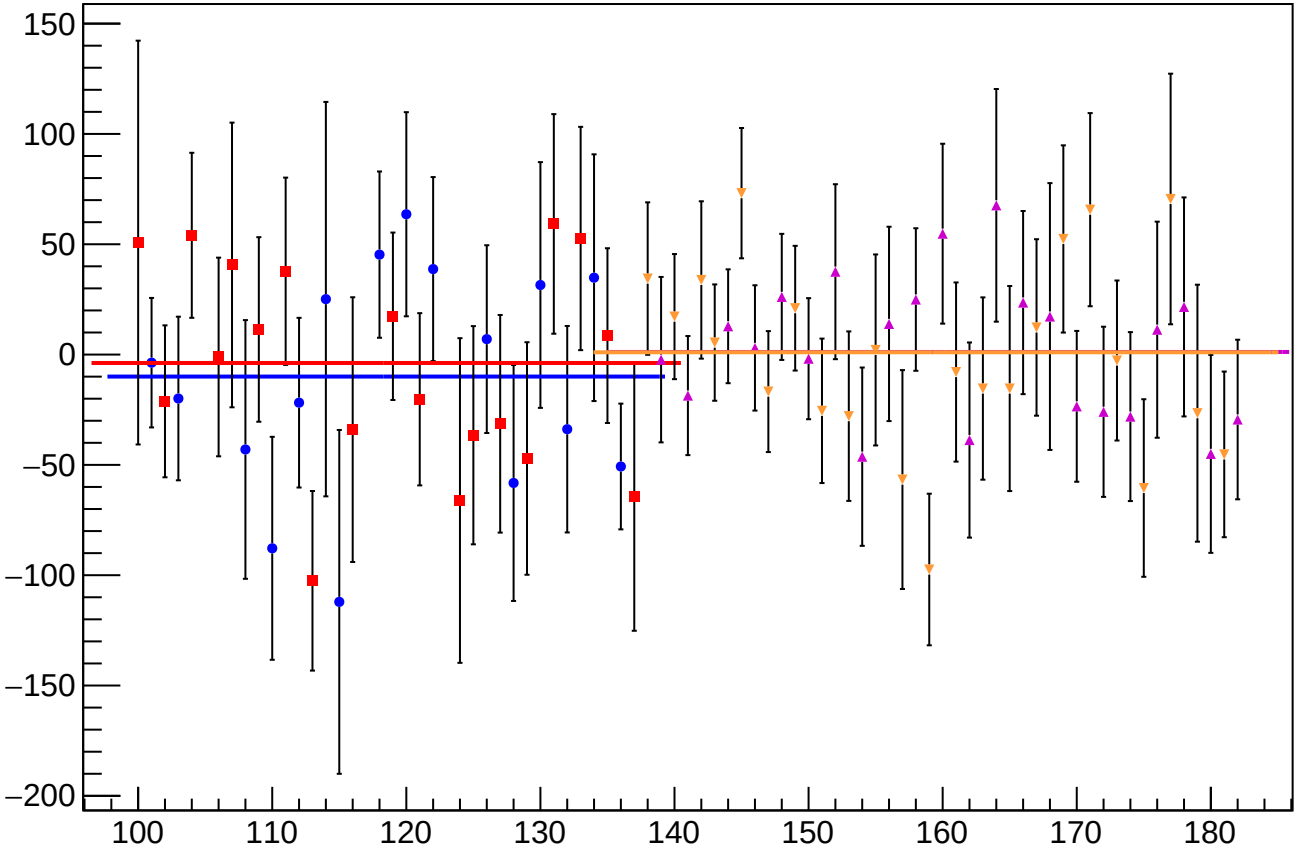
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5266.147+/-0.827 χ^2/NDF:8187585.0/37

Out: 5547.592+/-0.852 χ^2/NDF:6658094.6/41

All: 5402.659+/-0.593 χ^2/NDF: 14901865.6/7

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.032+/-7.563 χ^2/NDF:29.5/22

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 1.180+/-7.733 χ^2/NDF:12.5/21

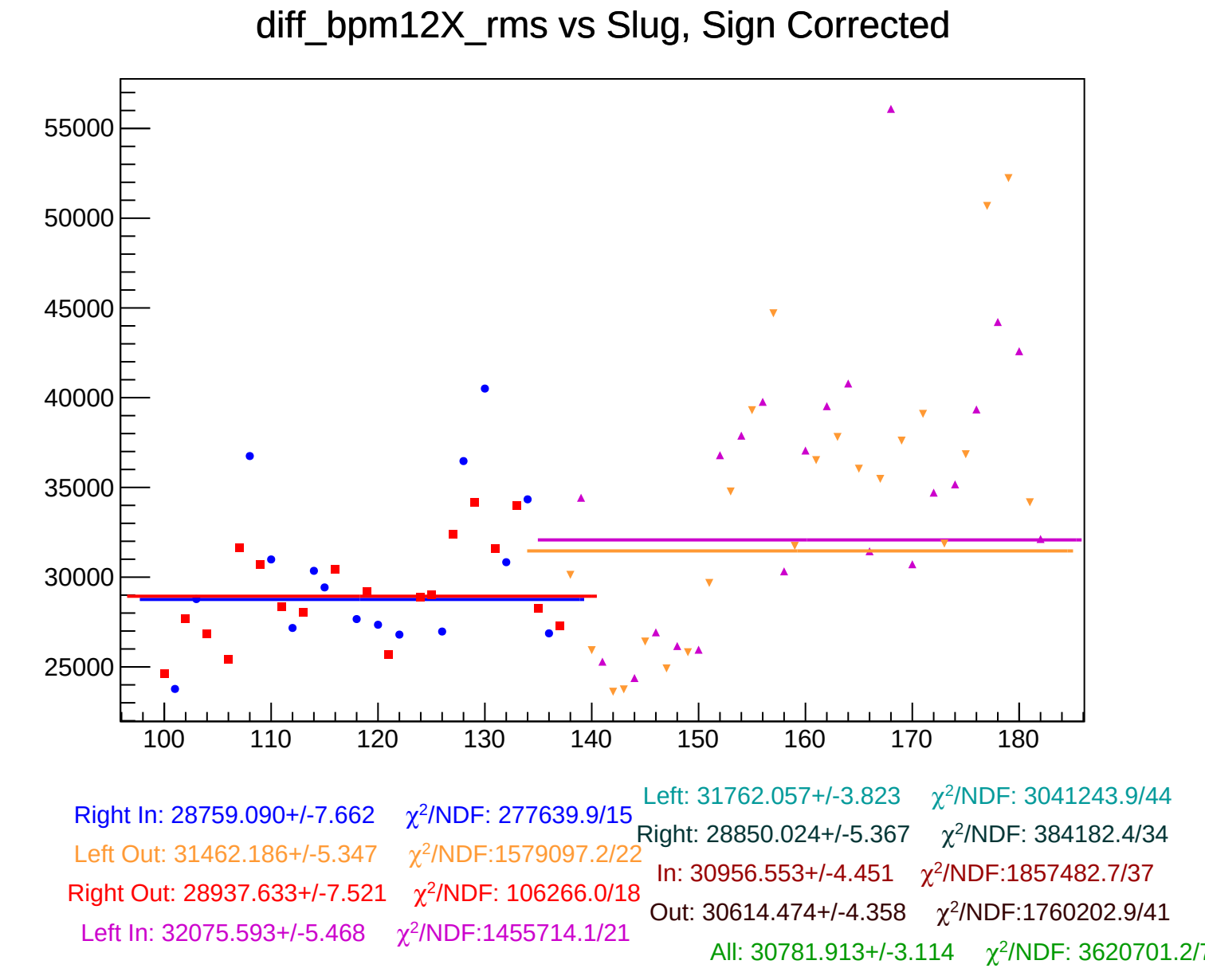
Left: 1.104+/-5.407 χ^2/NDF: 41.9/44

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

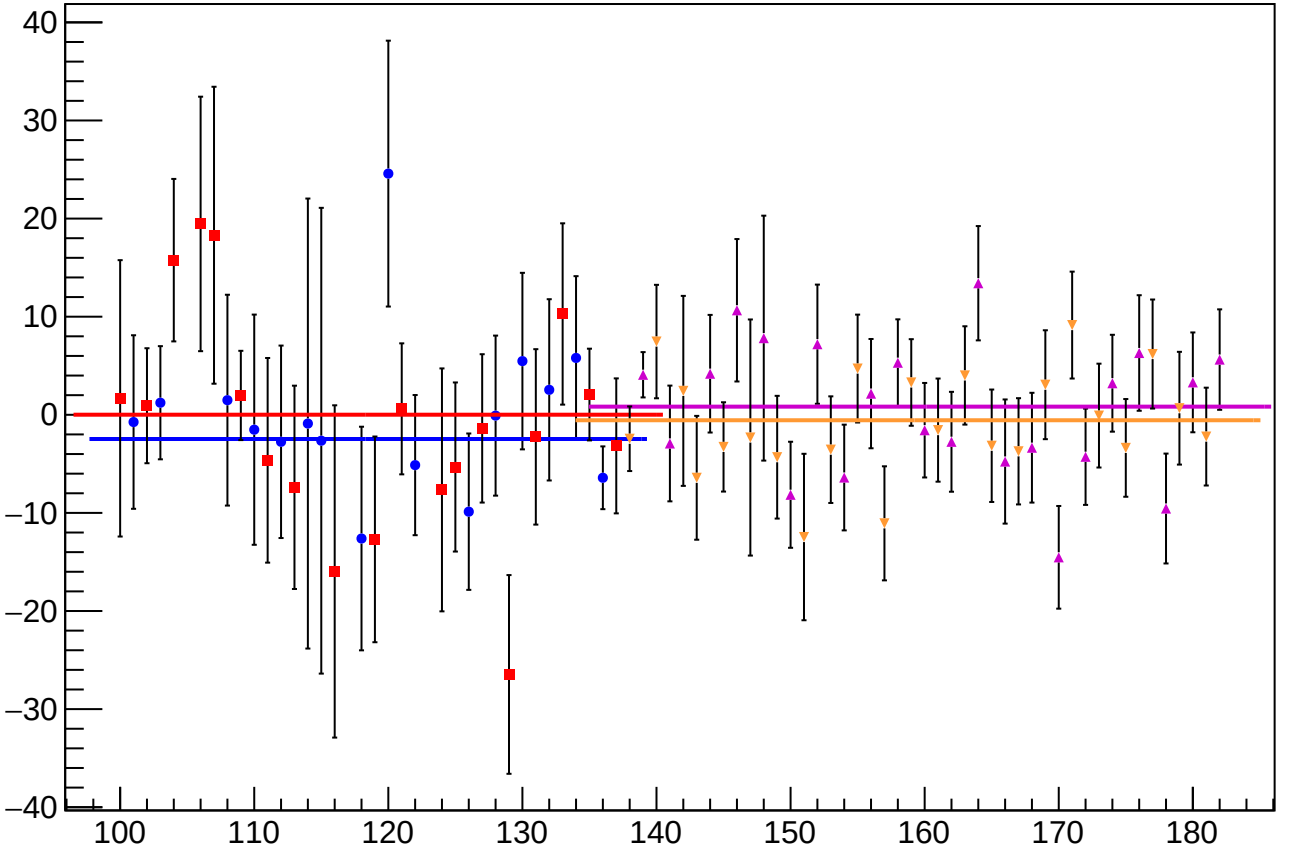
In: -2.582+/-6.295 χ^2/NDF:28.5/37

Out: -0.595+/-6.163 χ^2/NDF:46.9/41

All: -1.568+/-4.404 χ^2/NDF: 75.4/79


diff_bpm12X_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 31462.186+/-5.347 χ²/NDF:1579097.2/22
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32075.593+/-5.468 χ²/NDF:1455714.1/21
Left: 31762.057+/-3.823 χ²/NDF: 3041243.9/44
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30956.553+/-4.451 χ²/NDF:1857482.7/37
Out: 30614.474+/-4.358 χ²/NDF:1760202.9/41
All: 30781.913+/-3.114 χ²/NDF: 3620701.2/7

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.556+/-1.128 χ^2/NDF:18.1/22

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 0.831+/-1.070 χ^2/NDF:33.7/21

Left: 0.174+/-0.776 χ^2/NDF: 52.6/44

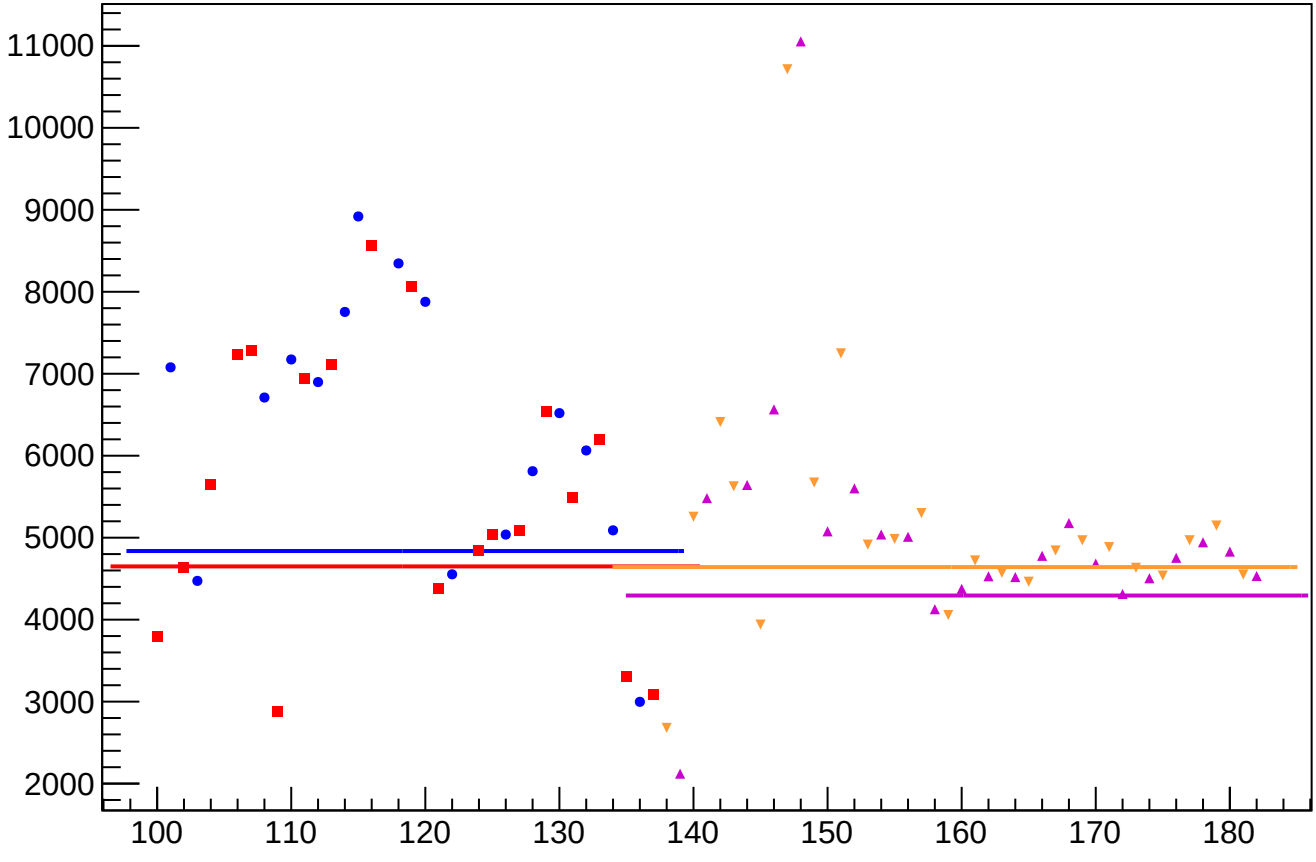
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.047+/-0.934 χ^2/NDF:46.0/37

Out: -0.400+/-0.960 χ^2/NDF:38.2/41

All: -0.171+/-0.669 χ^2/NDF: 84.3/79

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4641.510+/-0.798 χ^2/NDF:1762606.6/22

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 4294.344+/-0.757 χ^2/NDF:3095557.0/21

Left: 4458.799+/-0.549 χ^2/NDF: 4957888.5/44

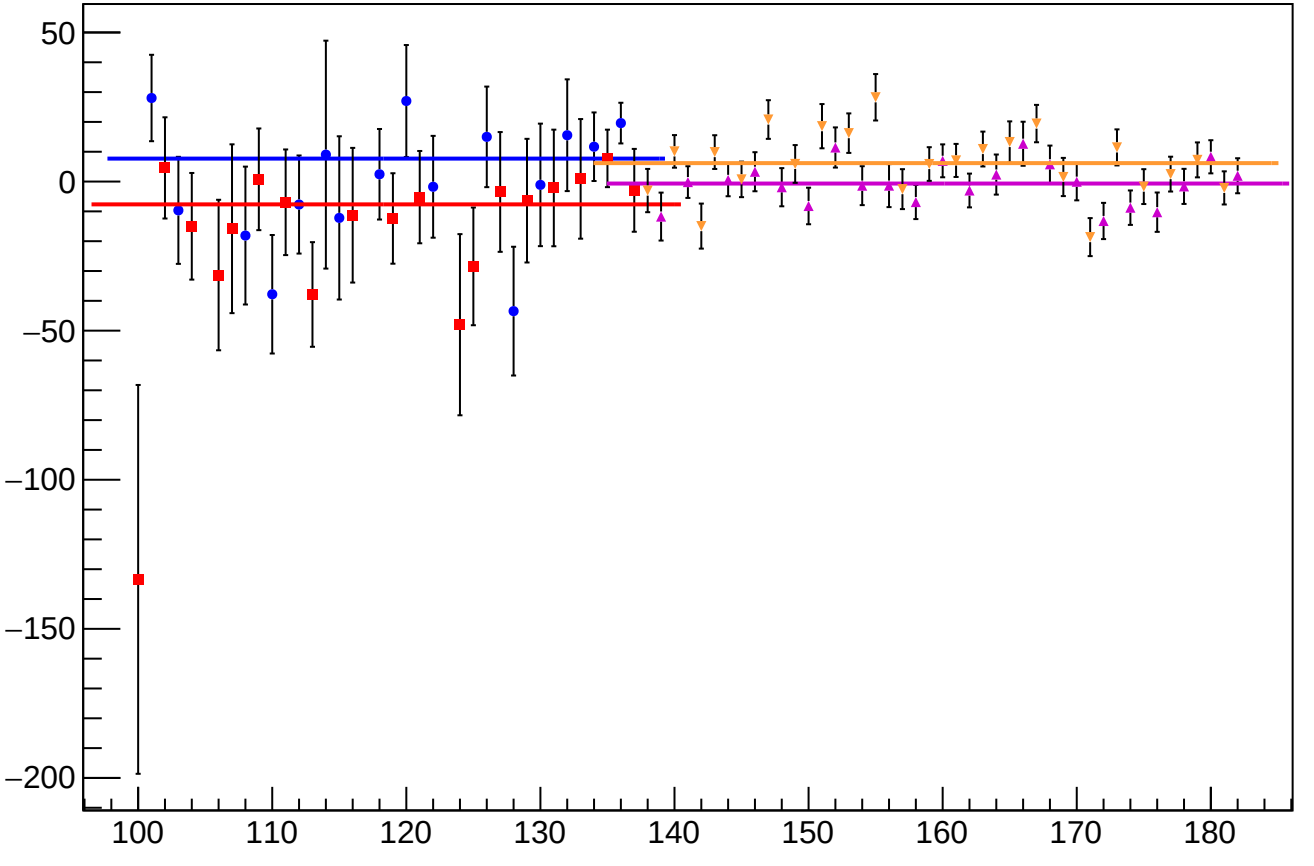
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4423.439+/-0.661 χ^2/NDF:4765727.2/37

Out: 4643.744+/-0.679 χ^2/NDF:3197183.7/41

All: 4530.602+/-0.473 χ^2/NDF: 8017015.2/79

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.184+/-1.298 χ^2/NDF:58.3/22

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -0.666+/-1.313 χ^2/NDF:26.1/21

Left: 2.801+/-0.923 χ^2/NDF: 98.1/44

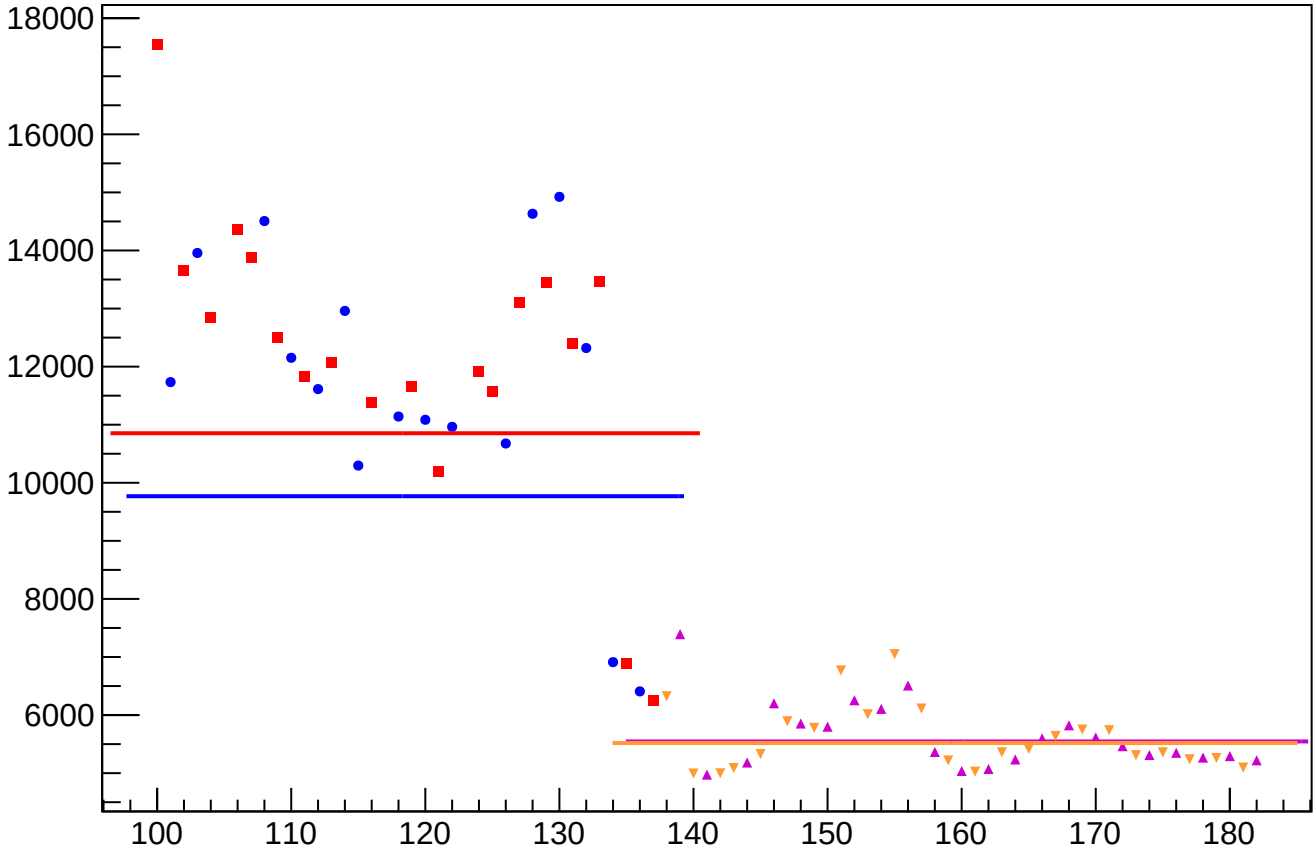
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 0.218+/-1.242 χ^2/NDF:52.0/37

Out: 4.924+/-1.237 χ^2/NDF:83.2/41

All: 2.581+/-0.877 χ^2/NDF: 142.4/79

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5518.266+/-0.918 χ^2/NDF:290618.4/22

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5546.130+/-0.929 χ^2/NDF:299857.5/21

Left: 5532.029+/-0.653 χ^2/NDF: 590931.4/44

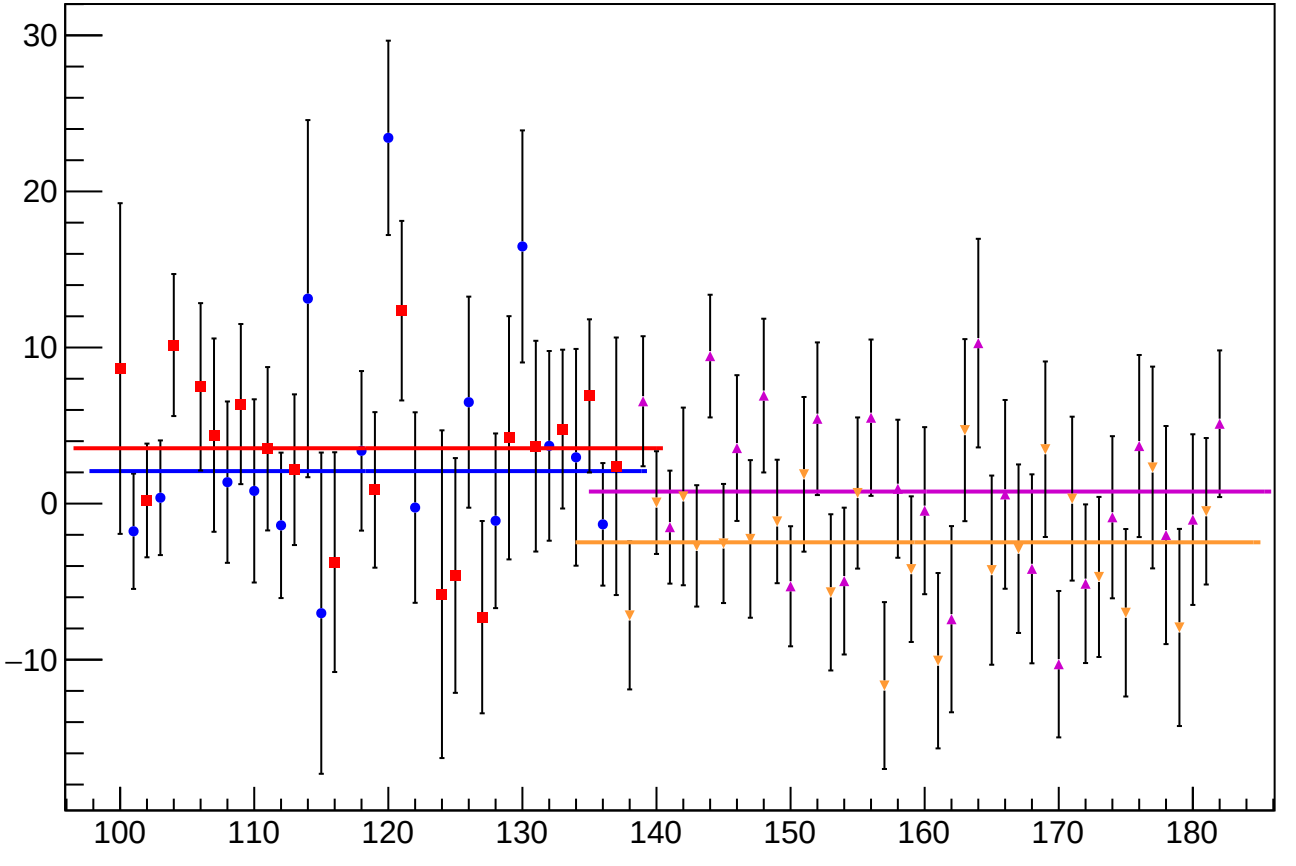
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 5992.628+/-0.878 χ^2/NDF:3699241.4/37

Out: 6004.156+/-0.875 χ^2/NDF:4243881.8/41

All: 5998.415+/-0.620 χ^2/NDF: 7943209.8/79

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.480+/-1.017 χ^2/NDF:13.9/22

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 0.771+/-1.042 χ^2/NDF:27.9/21

Left: -0.894+/-0.728 χ^2/NDF: 46.8/44

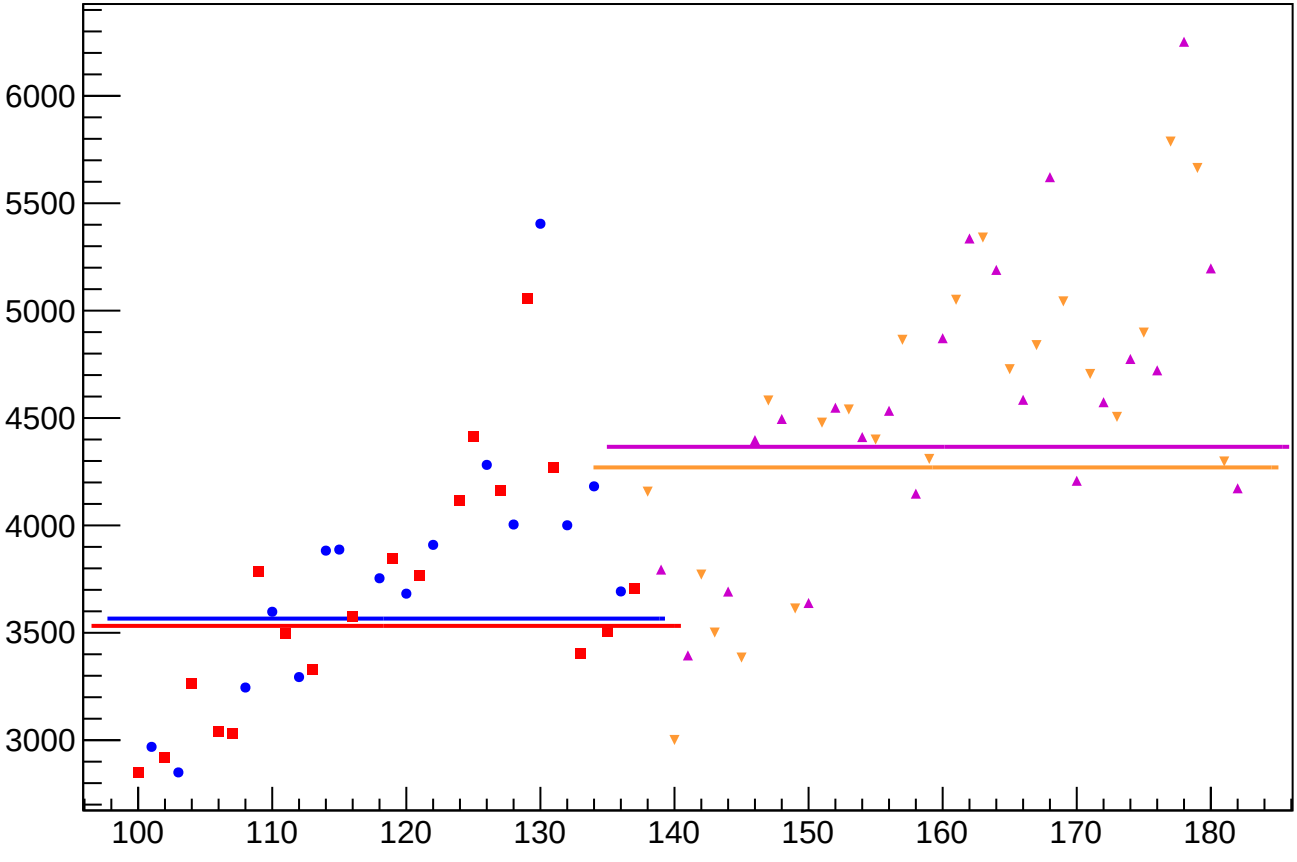
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 1.263+/-0.824 χ^2/NDF:49.5/37

Out: -0.202+/-0.802 χ^2/NDF:40.6/41

All: 0.510+/-0.575 χ^2/NDF: 91.7/79

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4270.058+/-0.719 χ^2/NDF:1028656.8/22

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4365.960+/-0.737 χ^2/NDF:734056.8/21

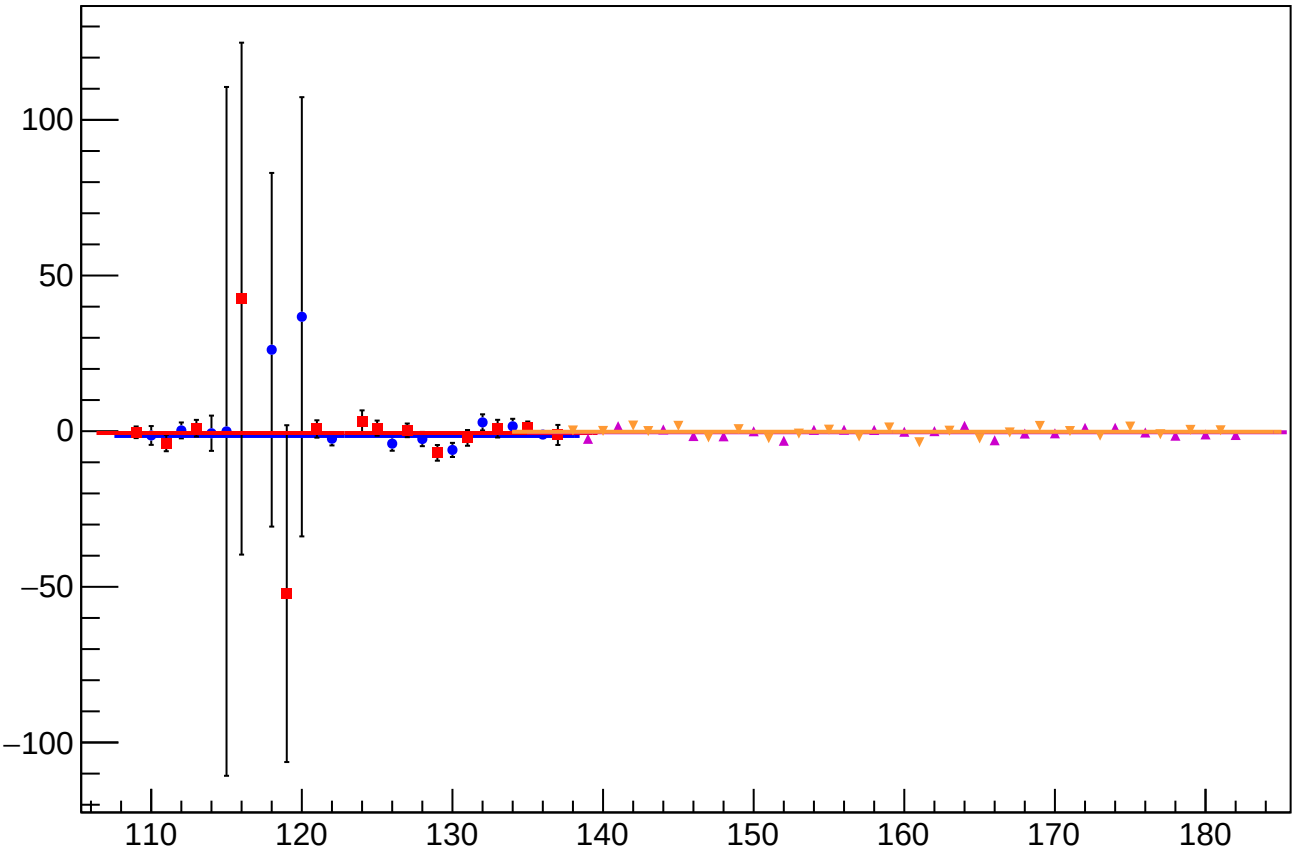
Left: 4316.834+/-0.514 χ^2/NDF: 1771394.8/44

Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 4066.120+/-0.582 χ^2/NDF:1517052.1/37

Out: 3991.173+/-0.567 χ^2/NDF:1705578.3/41

All: 4027.636+/-0.406 χ^2/NDF: 3231132.2/79



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.190+/-0.240 χ^2/NDF:33.6/22

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.349+/-0.244 χ^2/NDF:29.1/21

Left: -0.269+/-0.171 χ^2/NDF: 62.9/44

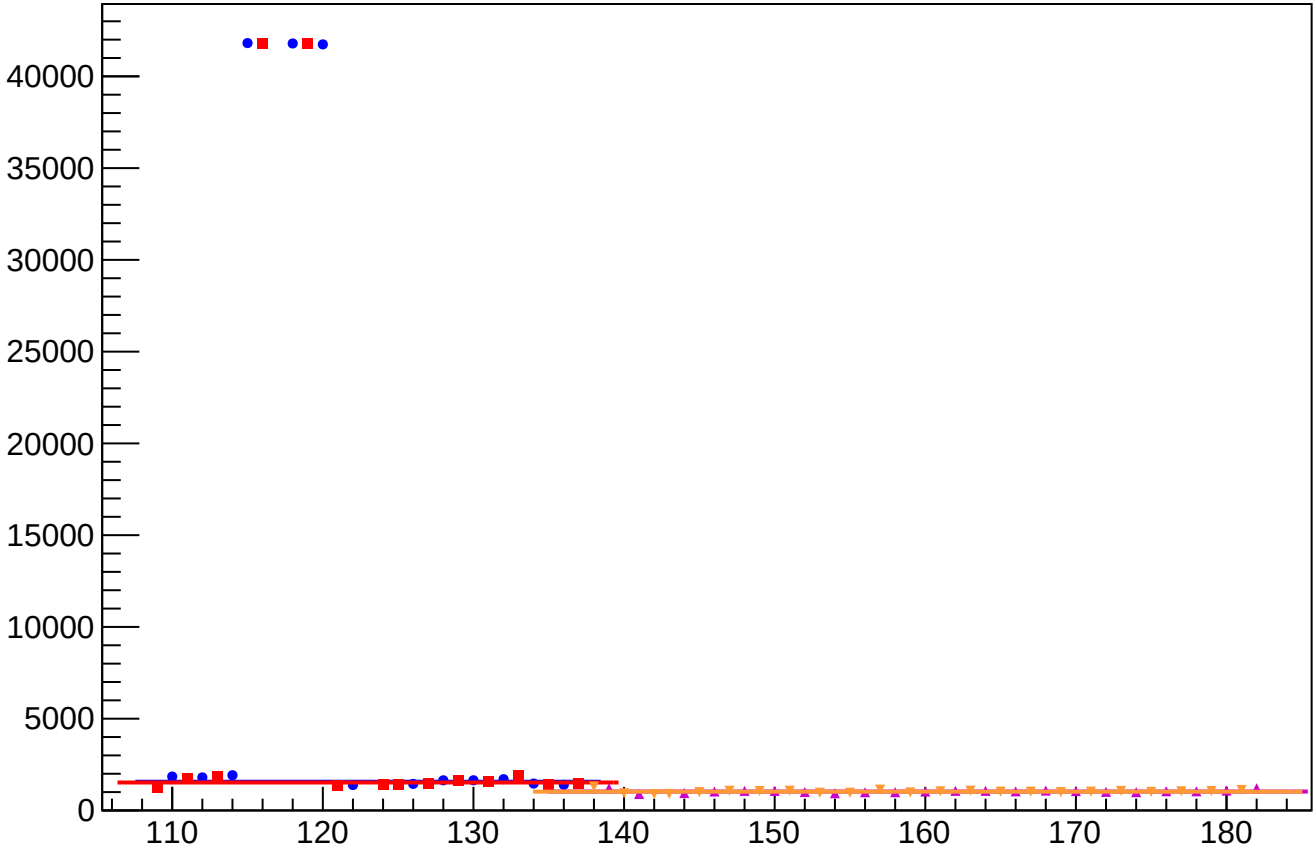
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.467+/-0.231 χ^2/NDF:42.5/34

Out: -0.231+/-0.228 χ^2/NDF:46.6/36

All: -0.347+/-0.162 χ^2/NDF: 89.6/71

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1024.377+/-0.170 χ^2/NDF:195970.8/22

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1030.265+/-0.172 χ^2/NDF:168988.1/21

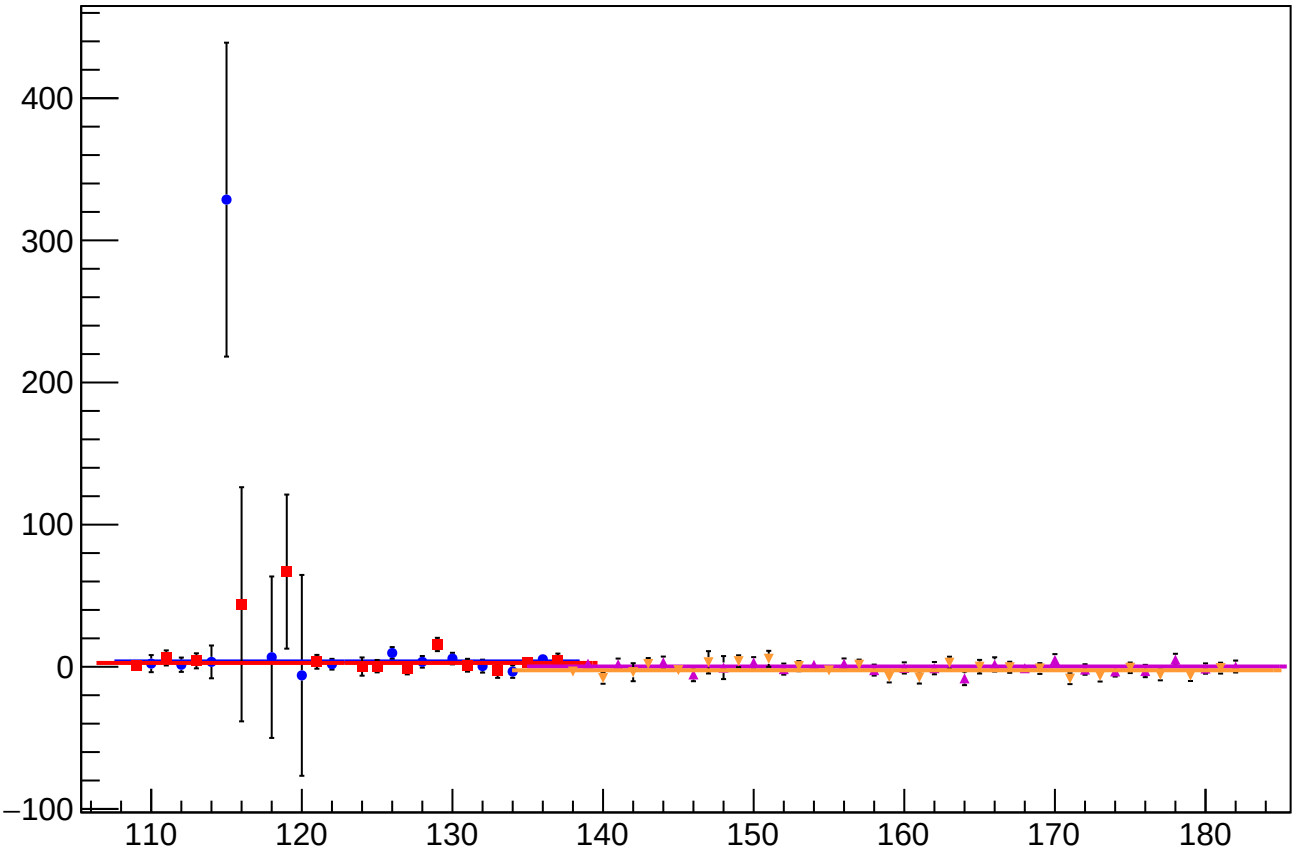
Left: 1027.283+/-0.121 χ^2/NDF: 365551.2/44

Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1083.388+/-0.163 χ^2/NDF:3142751.5/34

Out: 1074.813+/-0.161 χ^2/NDF:2807300.6/36

All: 1079.041+/-0.115 χ^2/NDF: 5951448.0/71



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.447+/-0.801 χ^2/NDF:20.4/22

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.197+/-0.815 χ^2/NDF:12.6/21

Left: -1.149+/-0.571 χ^2/NDF: 38.3/44

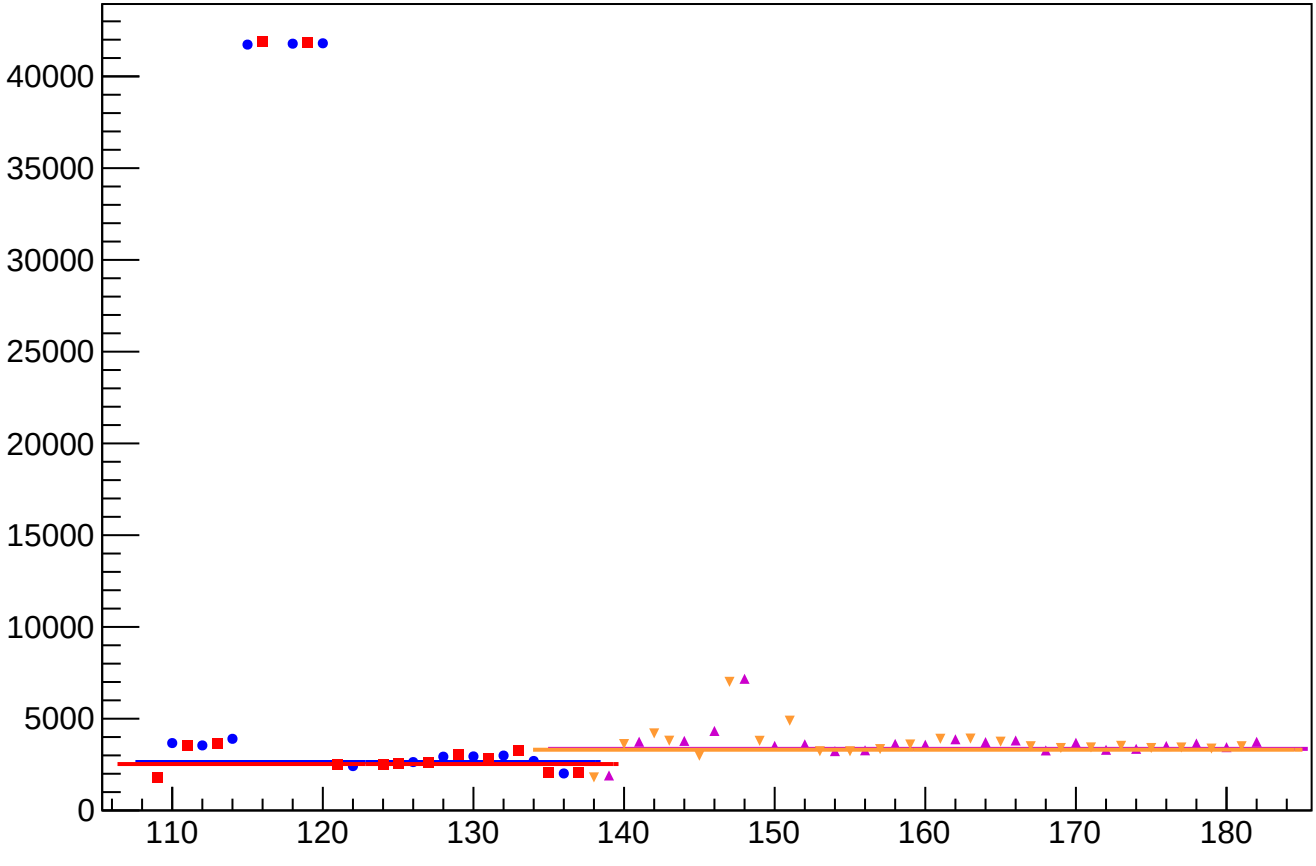
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.268+/-0.683 χ^2/NDF:33.5/34

Out: -0.878+/-0.668 χ^2/NDF:46.6/36

All: 0.171+/-0.477 χ^2/NDF: 85.1/71

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3309.553+/-0.566 χ^2/NDF:1890954.1/22

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3356.023+/-0.577 χ^2/NDF:1644587.9/21

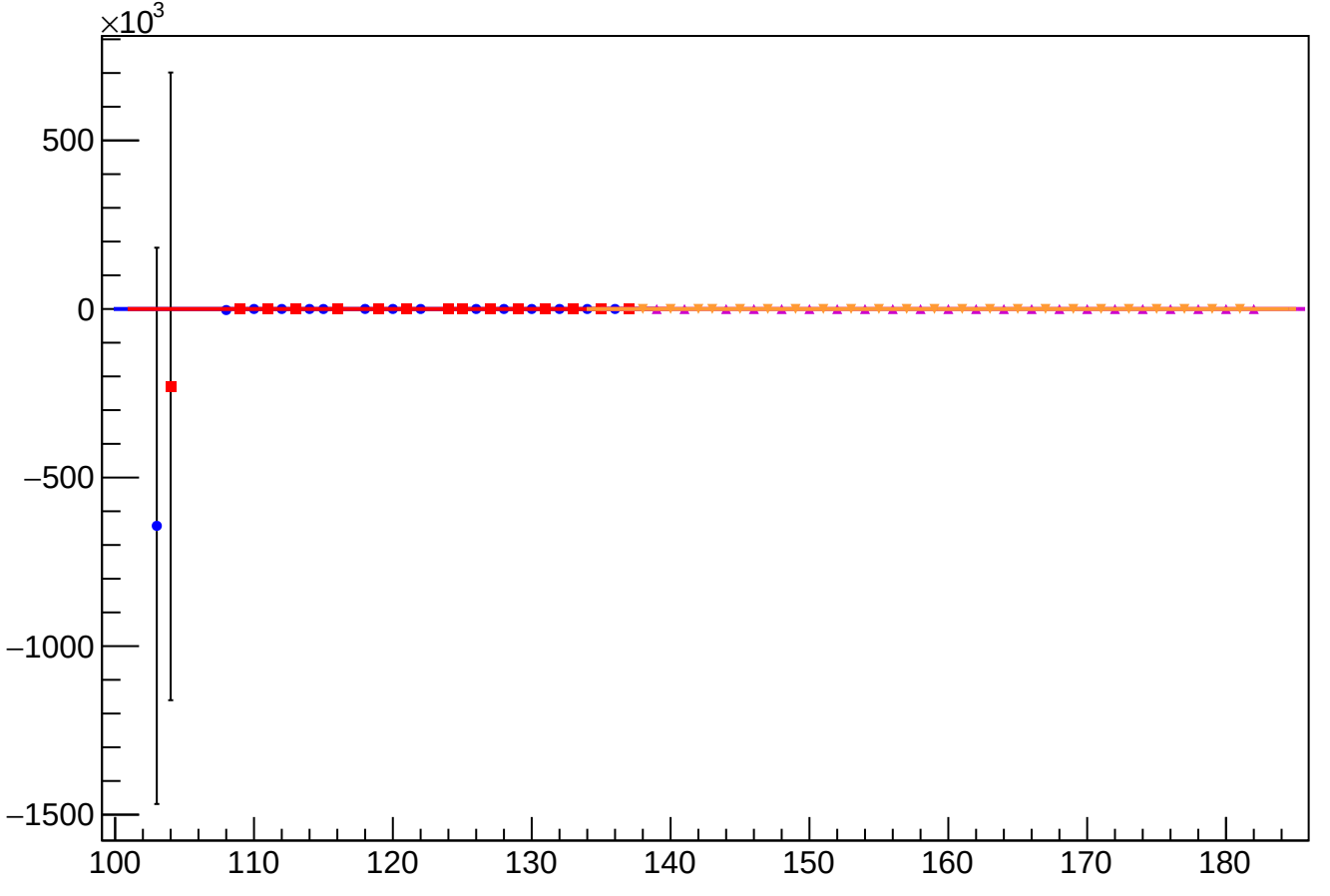
Left: 3332.370+/-0.404 χ^2/NDF: 3538847.8/44

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3141.849+/-0.483 χ^2/NDF:4279252.0/34

Out: 3072.017+/-0.472 χ^2/NDF:4418960.6/36

All: 3106.174+/-0.338 χ^2/NDF: 8708902.9/71



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.577+/-0.373 χ^2/NDF:49.5/22

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.030+/-0.377 χ^2/NDF:26.3/21

Left: -0.784+/-0.265 χ^2/NDF: 85.0/44

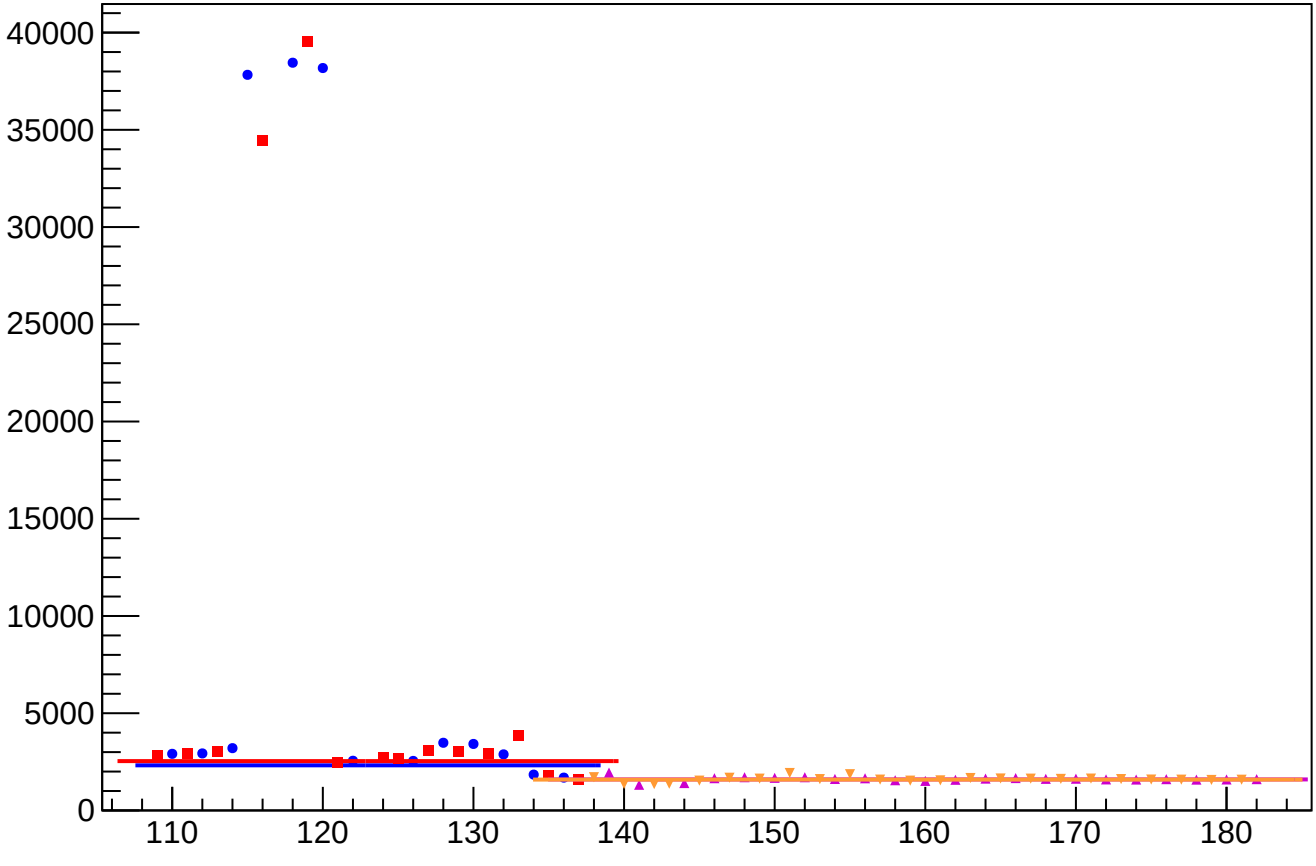
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.096+/-0.358 χ^2/NDF:46.2/36

Out: -1.210+/-0.356 χ^2/NDF:75.2/37

All: -0.655+/-0.252 χ^2/NDF: 126.3/74

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1587.163+/-0.264 χ^2/NDF:230715.8/22

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1595.469+/-0.267 χ^2/NDF:196374.4/21

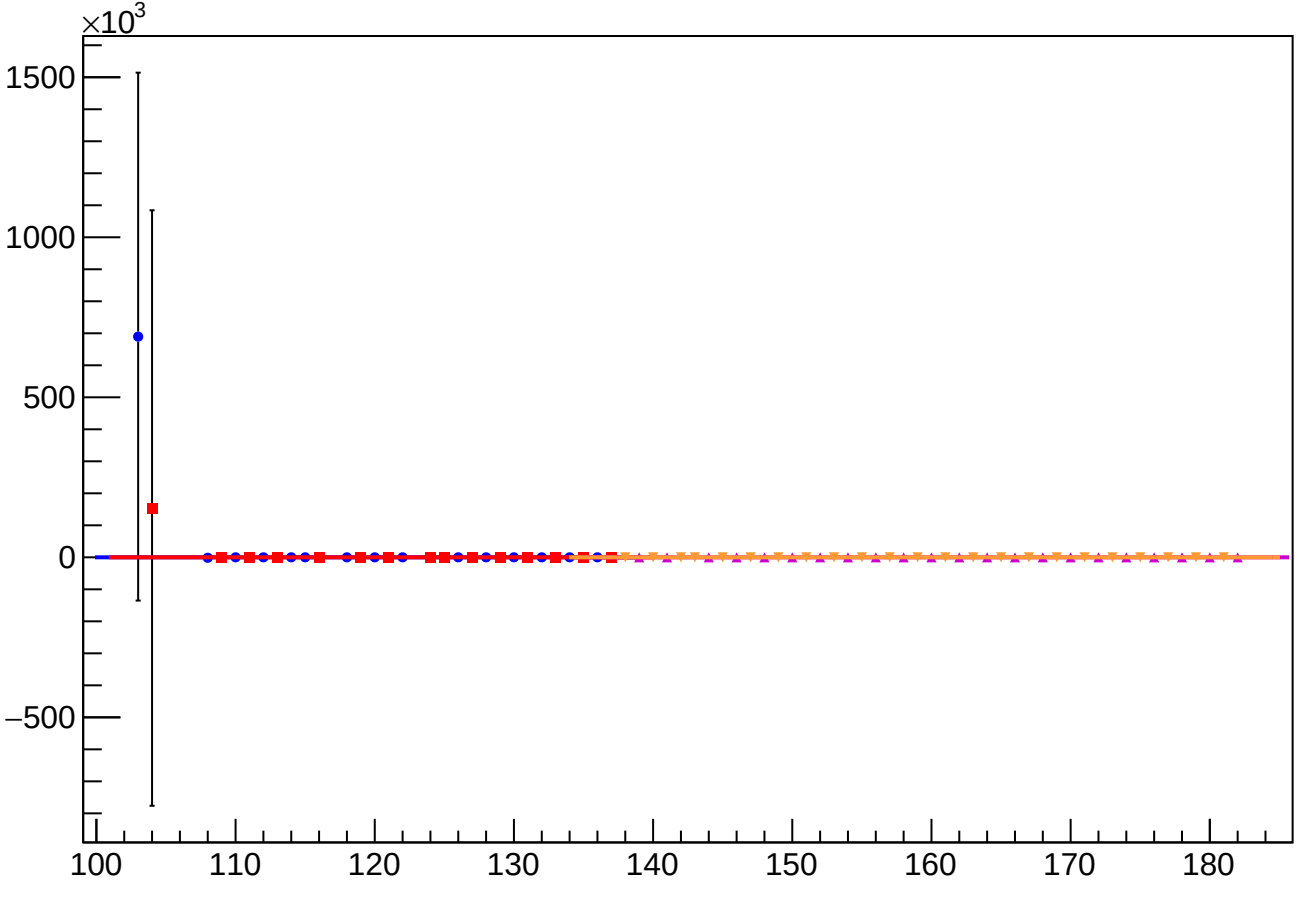
Left: 1591.264+/-0.188 χ^2/NDF: 427580.6/44

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1668.763+/-0.253 χ^2/NDF:3404053.0/34

Out: 1669.373+/-0.252 χ^2/NDF:3394040.9/36

All: 1669.070+/-0.178 χ^2/NDF: 6798096.8/71



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.209+/-0.516 χ^2/NDF:22.0/22

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.083+/-0.505 χ^2/NDF:16.4/21

Left: -0.634+/-0.361 χ^2/NDF: 40.9/44

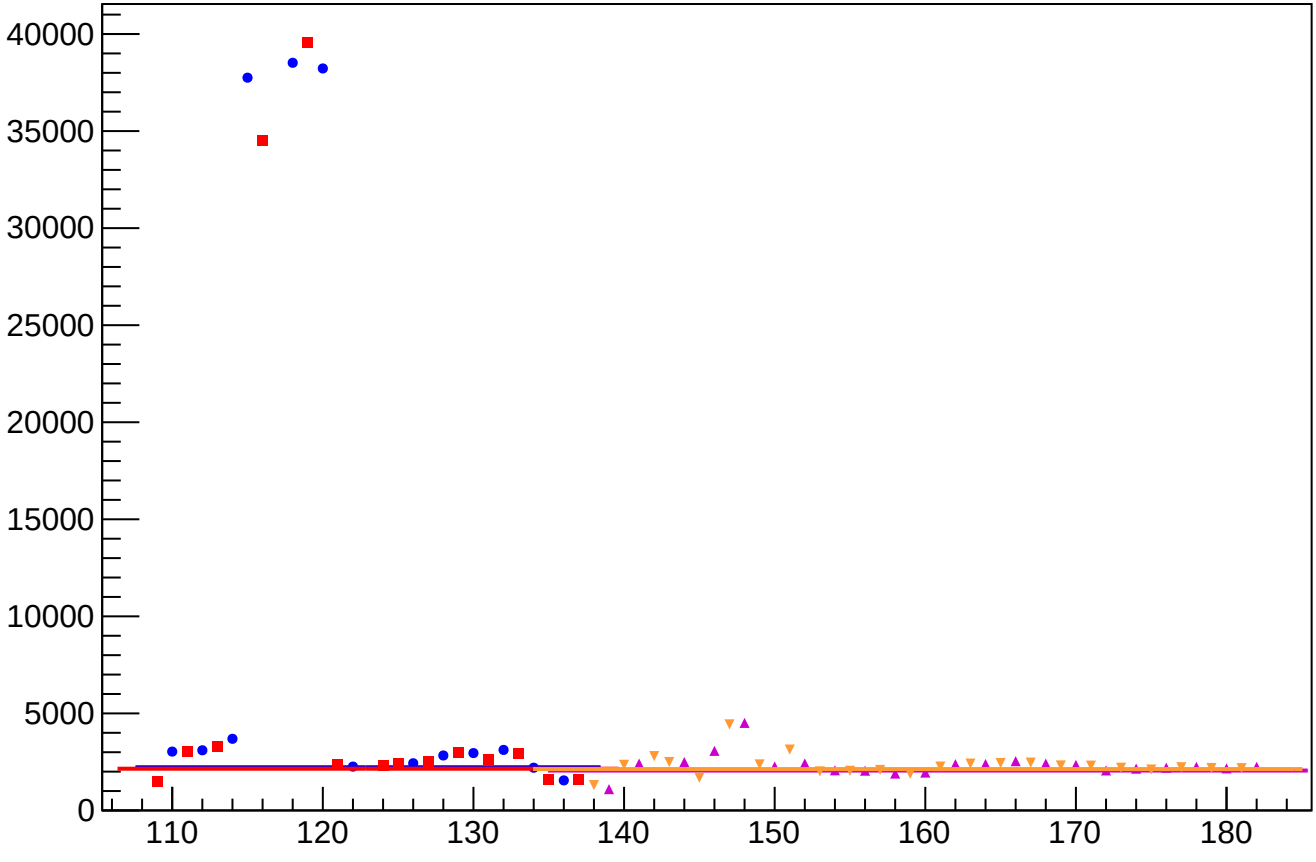
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.240+/-0.457 χ^2/NDF:23.7/36

Out: -0.608+/-0.463 χ^2/NDF:44.4/37

All: -0.178+/-0.325 χ^2/NDF: 69.8/74

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2132.453+/-0.365 χ^2/NDF:1472966.5/22

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2055.693+/-0.357 χ^2/NDF:2290276.3/21

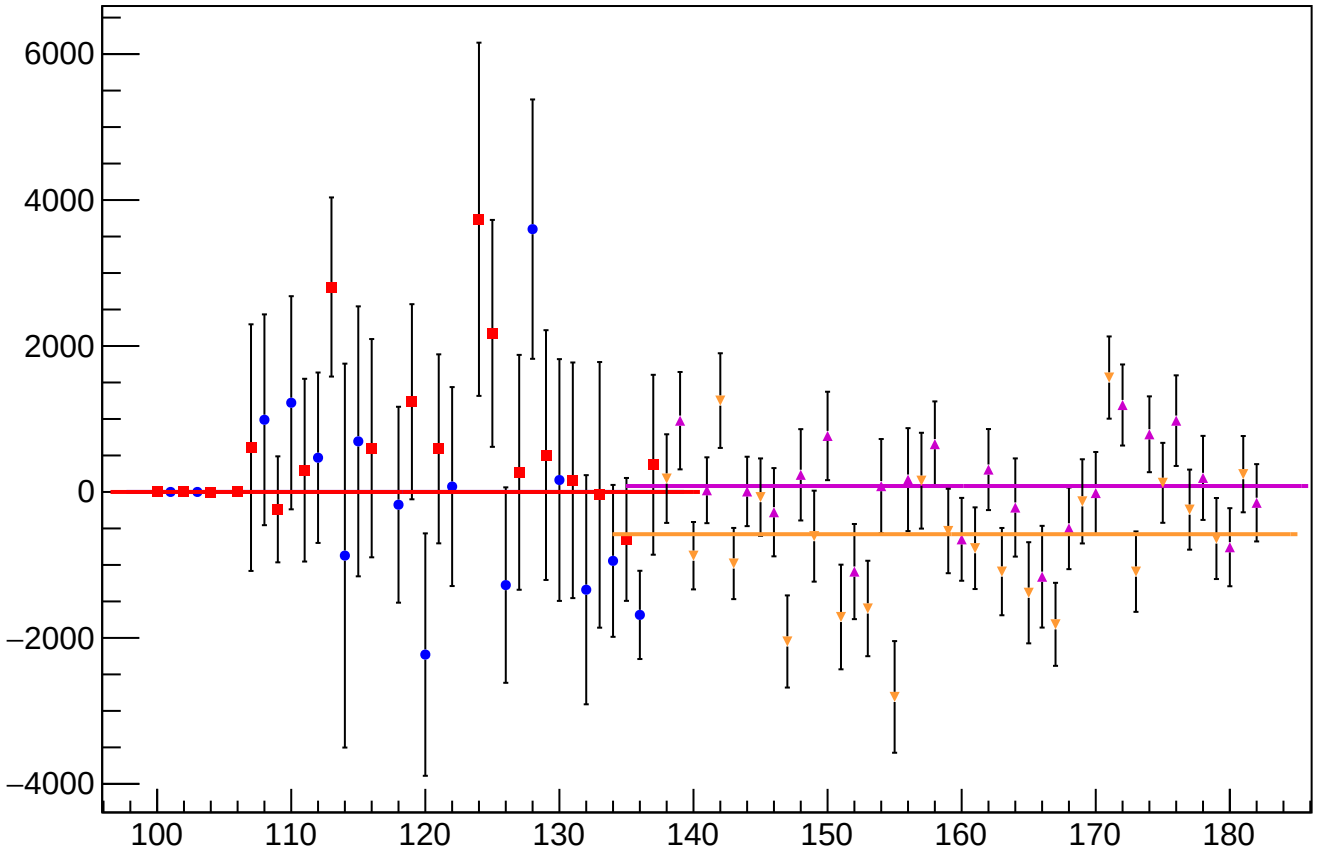
Left: 2093.259+/-0.255 χ^2/NDF: 3785851.9/44

Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2086.593+/-0.323 χ^2/NDF:4854053.0/34

Out: 2136.019+/-0.328 χ^2/NDF:3704781.3/36

All: 2110.987+/-0.230 χ^2/NDF: 8570369.3/71



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -578.716+/-121.182 χ^2/NDF:59.1/22

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 81.367+/-123.220 χ^2/NDF:24.7/21

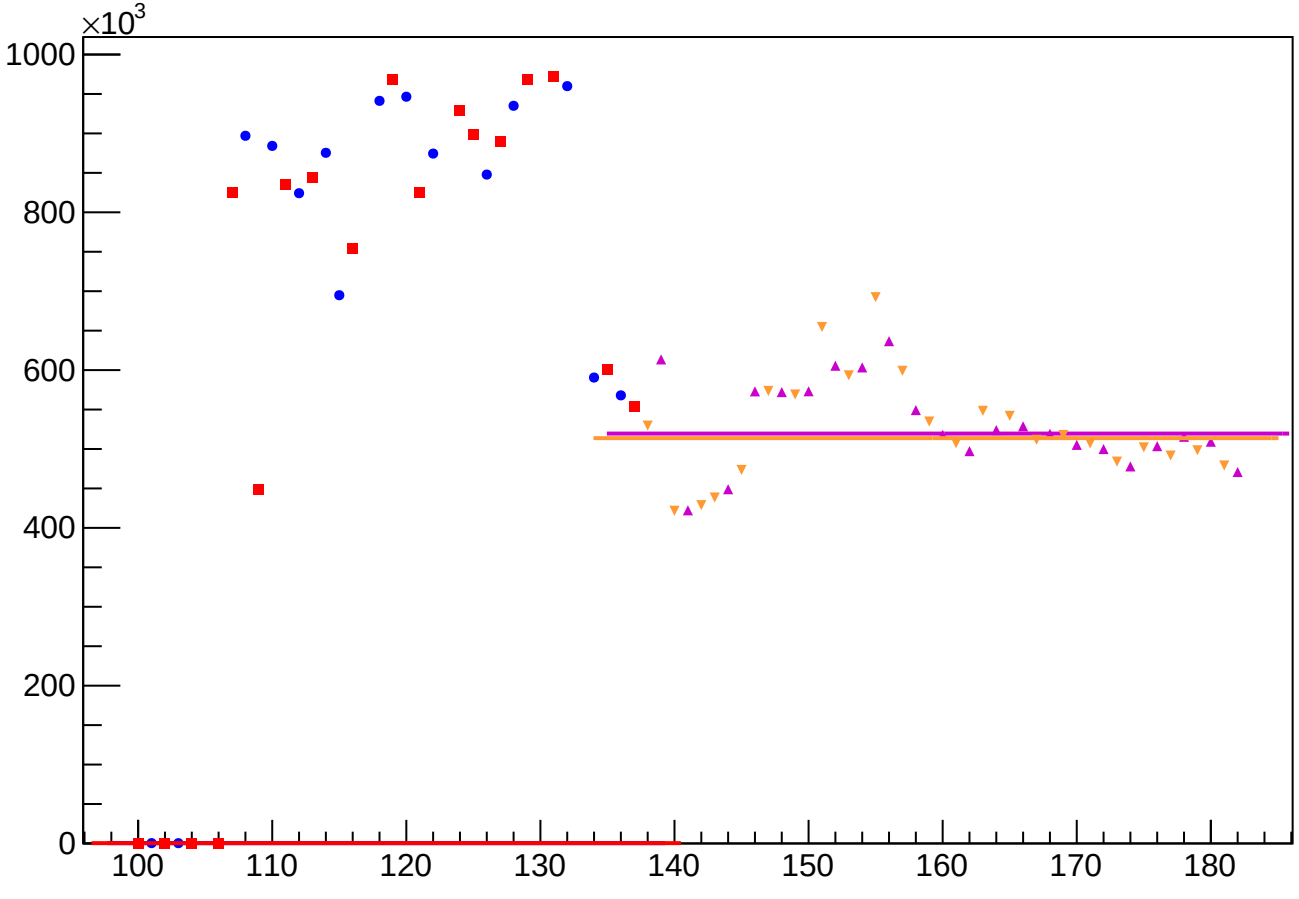
Left: -254.178+/-86.400 χ^2/NDF: 98.3/44

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:42.8/37

Out: -0.100+/-0.328 χ^2/NDF:97.3/41

All: 0.063+/-0.241 χ^2/NDF: 140.7/79



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 513754.996+/-85.689 χ^2/NDF:491508.3/22

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 519531.692+/-87.130 χ^2/NDF:390481.4/21

Left: 516595.184+/-61.094 χ^2/NDF: 884224.2/44

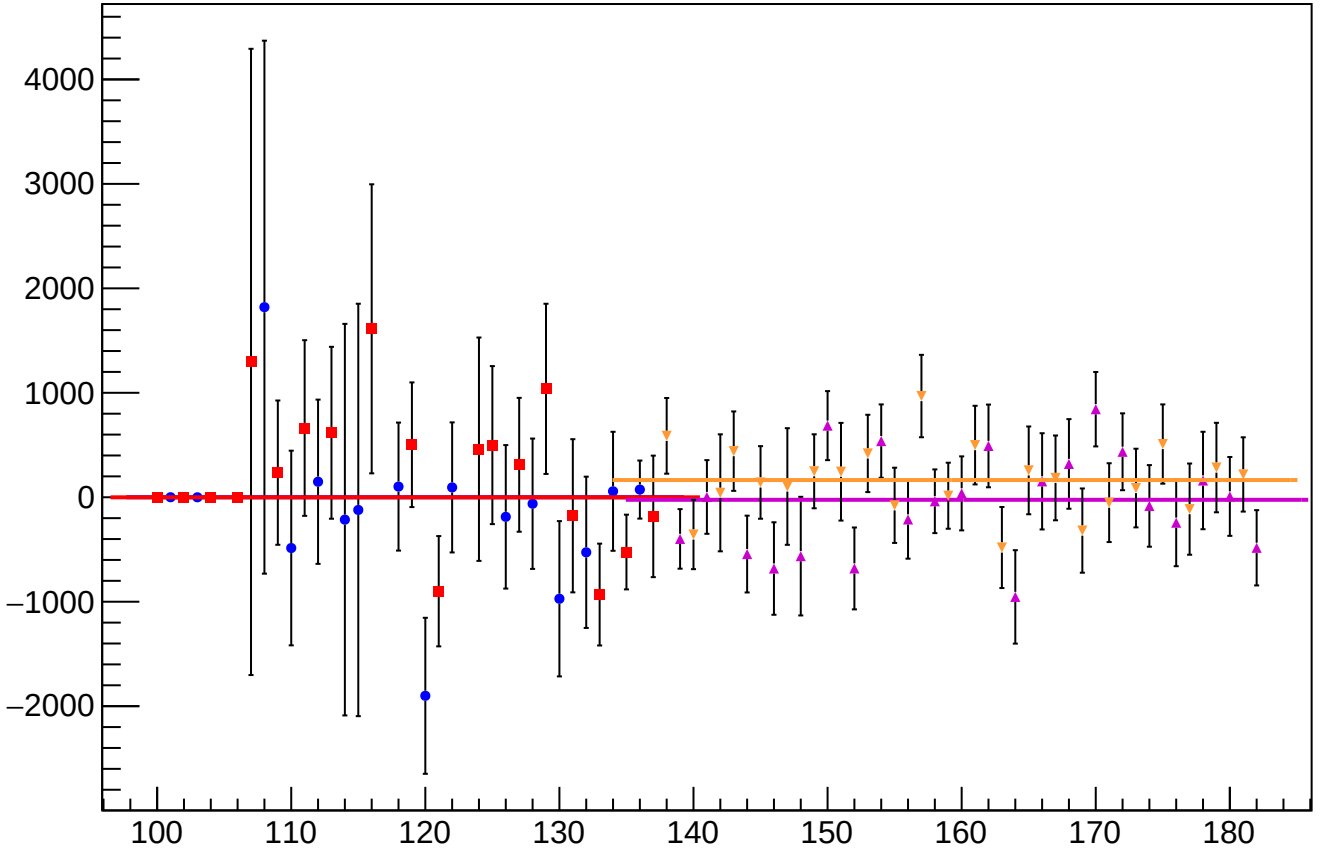
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 403.206+/-0.251 χ^2/NDF:44381600.8/36

Out: 396.996+/-0.232 χ^2/NDF:44031789.2/40

All: 399.848+/-0.170 χ^2/NDF: 88413719.8/77

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 164.845+/-80.708 χ^2/NDF:16.6/22

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -24.347+/-80.588 χ^2/NDF:33.5/21

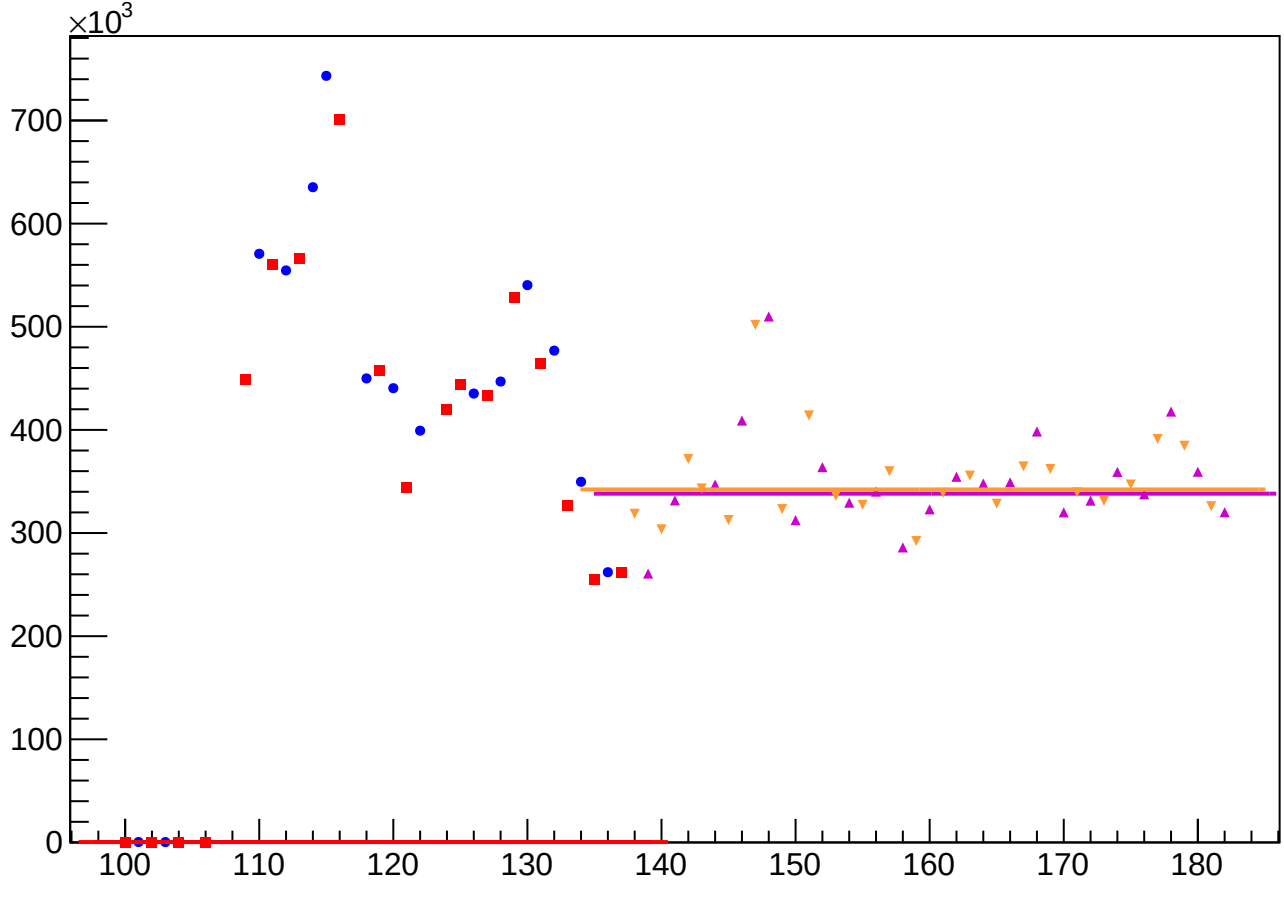
Left: 70.108+/-57.027 χ^2/NDF: 52.8/44

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.021+/-0.347 χ^2/NDF:44.1/37

Out: -0.596+/-0.324 χ^2/NDF:35.8/41

All: -0.328+/-0.237 χ^2/NDF: 81.3/79



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 342266.367+/-57.069 χ^2/NDF:396966.5/22

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 338169.096+/-56.987 χ^2/NDF:594087.6/21

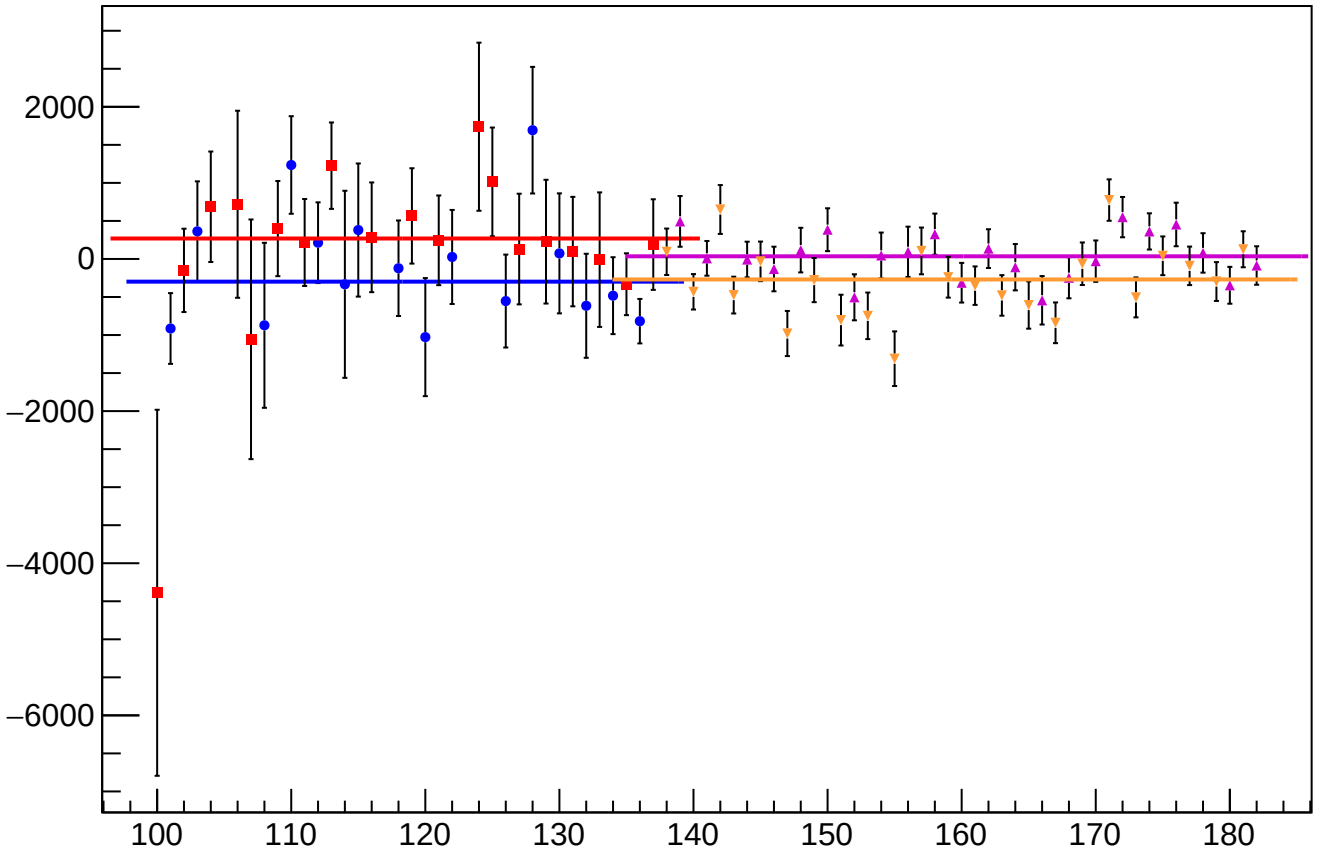
Left: 340214.789+/-40.325 χ^2/NDF: 993635.0/44

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 396.542+/-0.245 χ^2/NDF:46858309.0/36

Out: 393.487+/-0.229 χ^2/NDF:47358050.4/40

All: 394.908+/-0.167 χ^2/NDF: 94216442.2/77



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -269.500+/-57.271 χ^2/NDF:59.6/22

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 34.951+/-58.072 χ^2/NDF:25.4/21

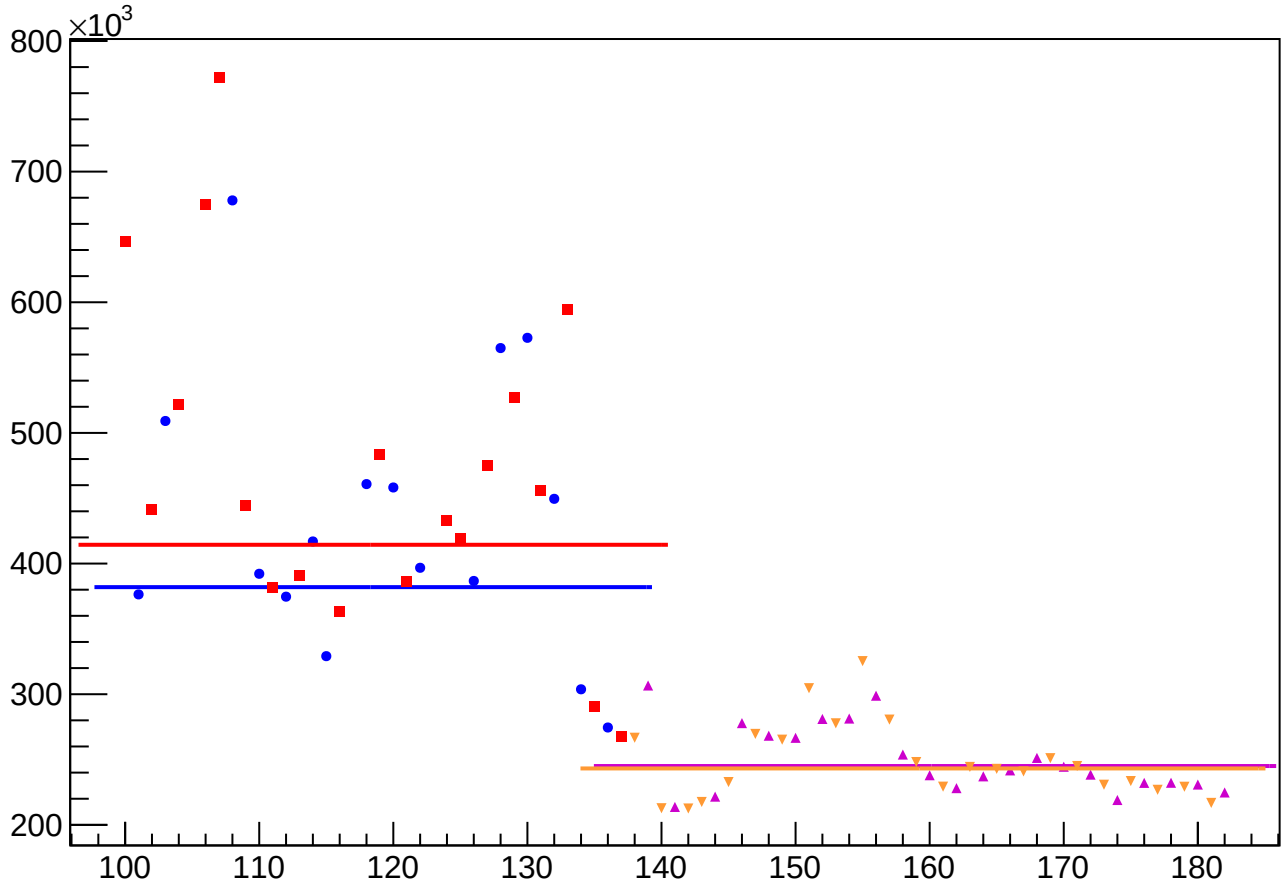
Left: -119.389+/-40.777 χ^2/NDF: 98.9/44

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -9.837+/-54.028 χ^2/NDF:51.0/37

Out: -205.974+/-53.786 χ^2/NDF:83.9/41

All: -108.347+/-38.118 χ^2/NDF: 141.5/79



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 243187.202+/-40.496 χ^2/NDF:399906.5/22

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 245032.645+/-41.063 χ^2/NDF:354462.6/21

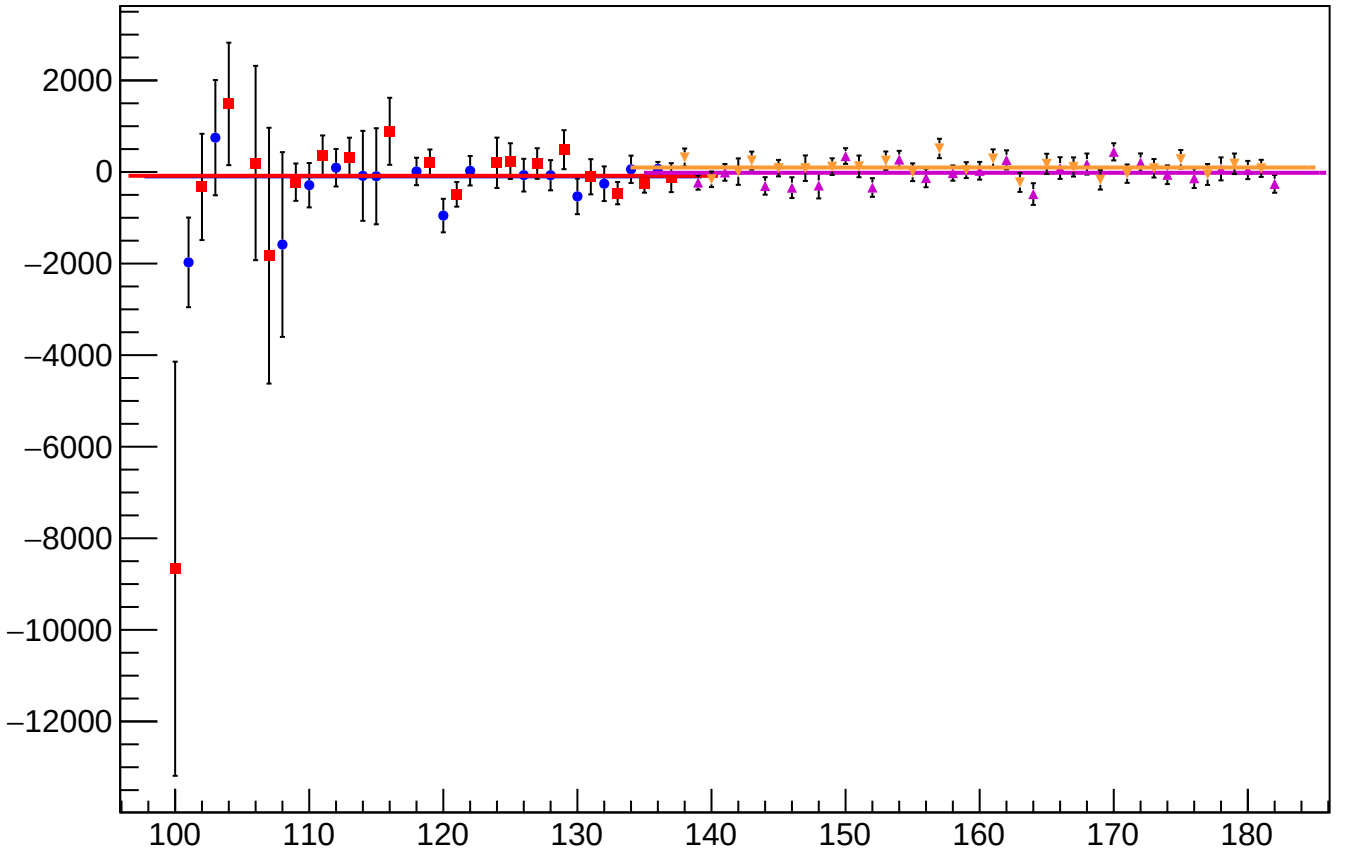
Left: 244097.101+/-28.834 χ^2/NDF: 755393.0/44

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 263431.808+/-38.205 χ^2/NDF:2685029.3/37

Out: 263377.240+/-38.033 χ^2/NDF:3267575.4/41

All: 263404.401+/-26.954 χ^2/NDF: 5952605.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 98.521+/-42.567 χ^2/NDF:16.0/22

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -17.494+/-42.664 χ^2/NDF:32.8/21

Left: 40.646+/-30.134 χ^2/NDF: 52.6/44

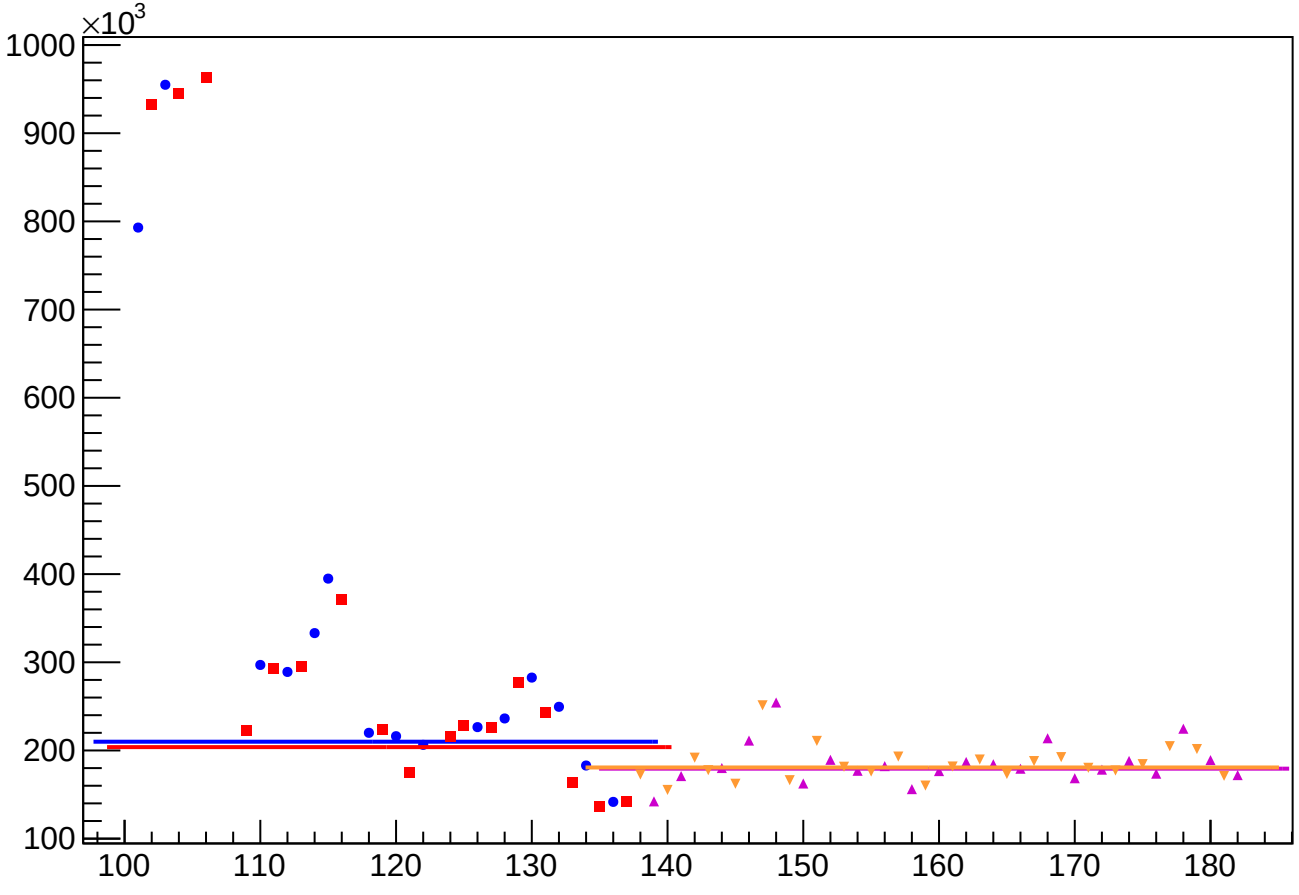
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -32.333+/-38.412 χ^2/NDF:47.2/37

Out: 63.713+/-38.262 χ^2/NDF:38.6/41

All: 15.878+/-27.108 χ^2/NDF: 88.9/79

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 180709.990+/-30.099 χ^2/NDF:341982.5/22

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 179365.047+/-30.168 χ^2/NDF:495048.0/21

Left: 180039.056+/-21.308 χ^2/NDF: 838026.6/44

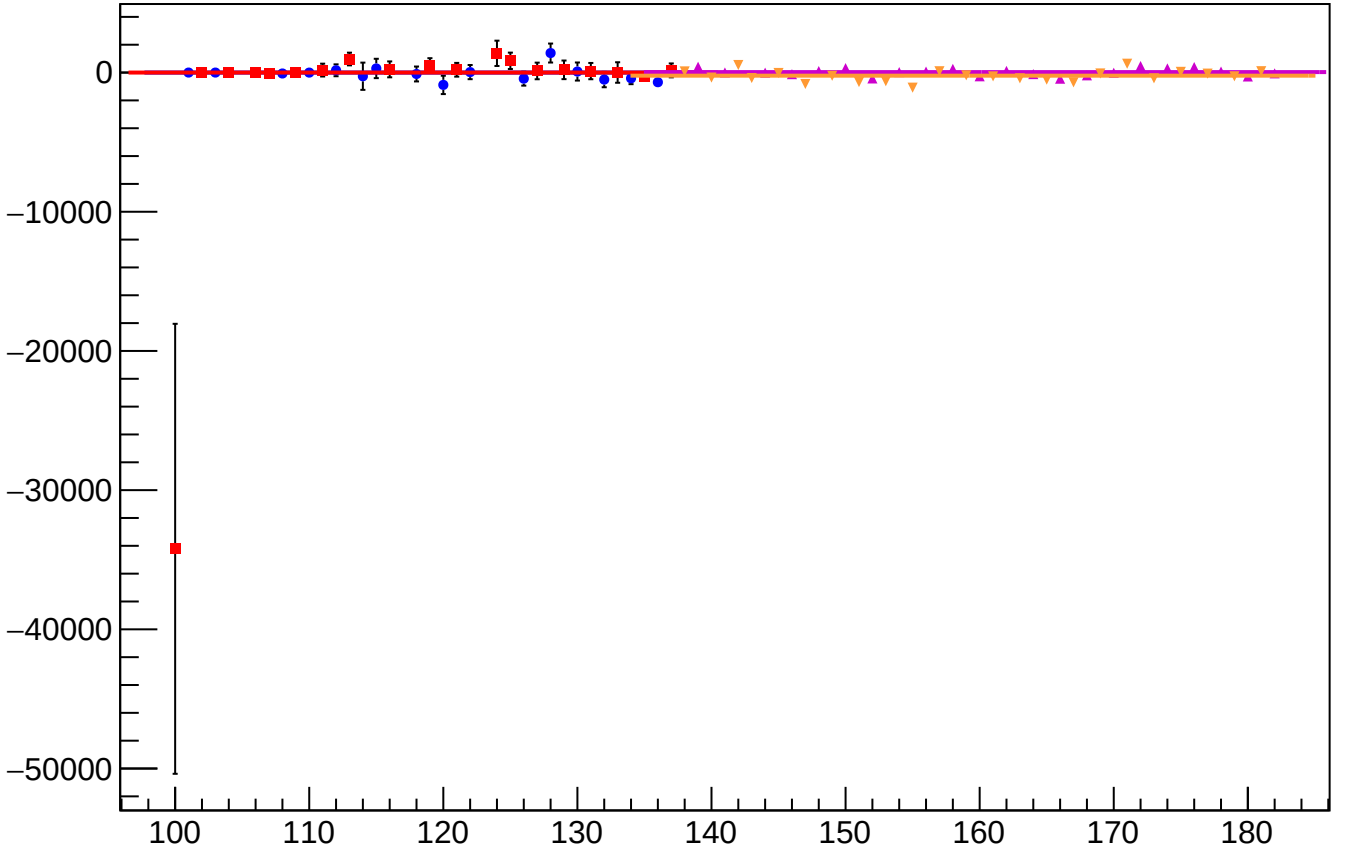
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 185137.117+/-27.171 χ^2/NDF:2648787.9/36

Out: 185124.818+/-27.068 χ^2/NDF:2524948.1/39

All: 185130.944+/-19.176 χ^2/NDF: 5173736.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -223.491+/-47.892 χ^2/NDF:59.3/22

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 33.641+/-48.547 χ^2/NDF:25.4/21

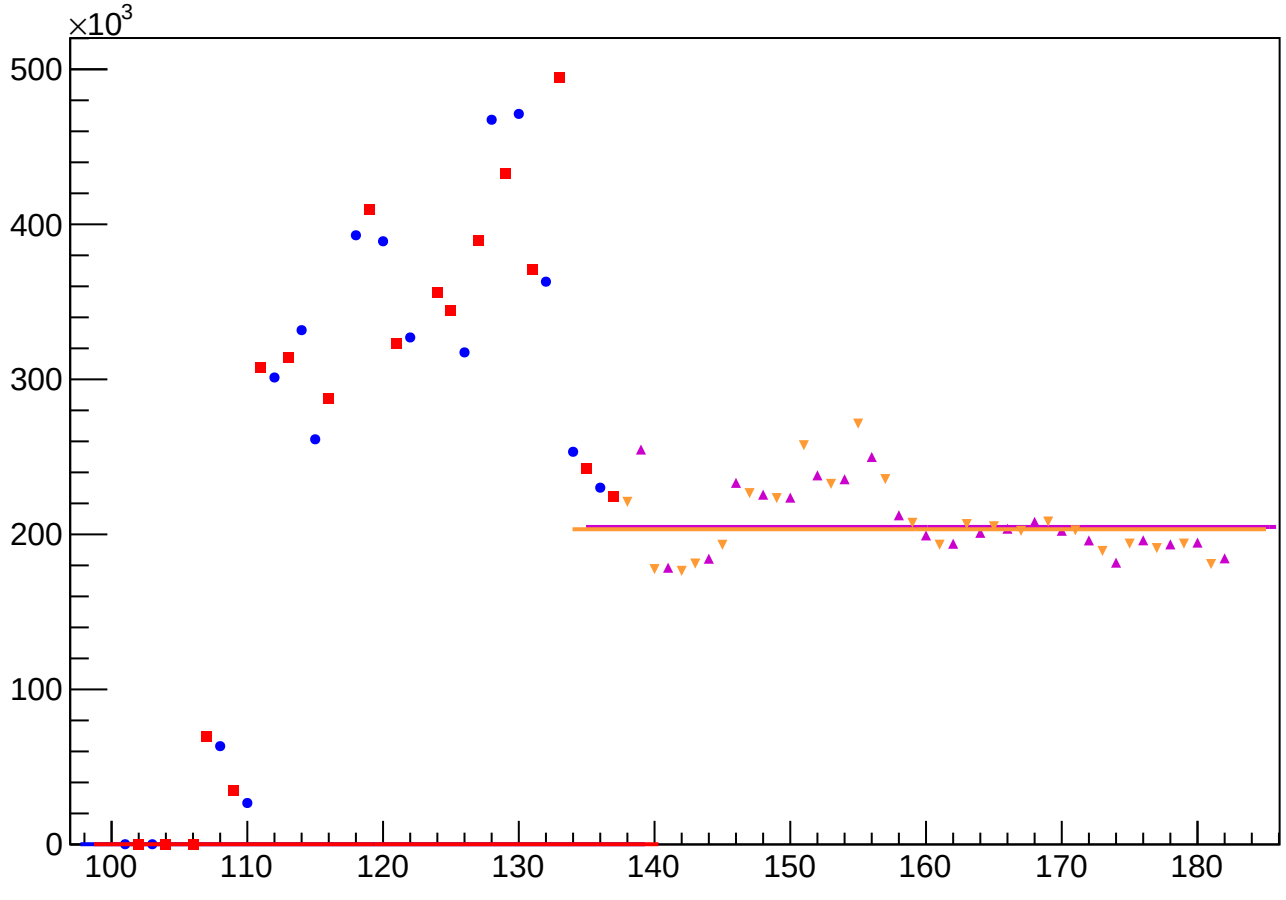
Left: -96.671+/-34.094 χ^2/NDF: 98.9/44

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:44.0/37

Out: 0.353+/-0.160 χ^2/NDF:97.7/41

All: 0.173+/-0.117 χ^2/NDF: 144.4/79



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 203317.471+/-33.865 χ^2/NDF:413939.6/22

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 204804.125+/-34.328 χ^2/NDF:367422.7/21

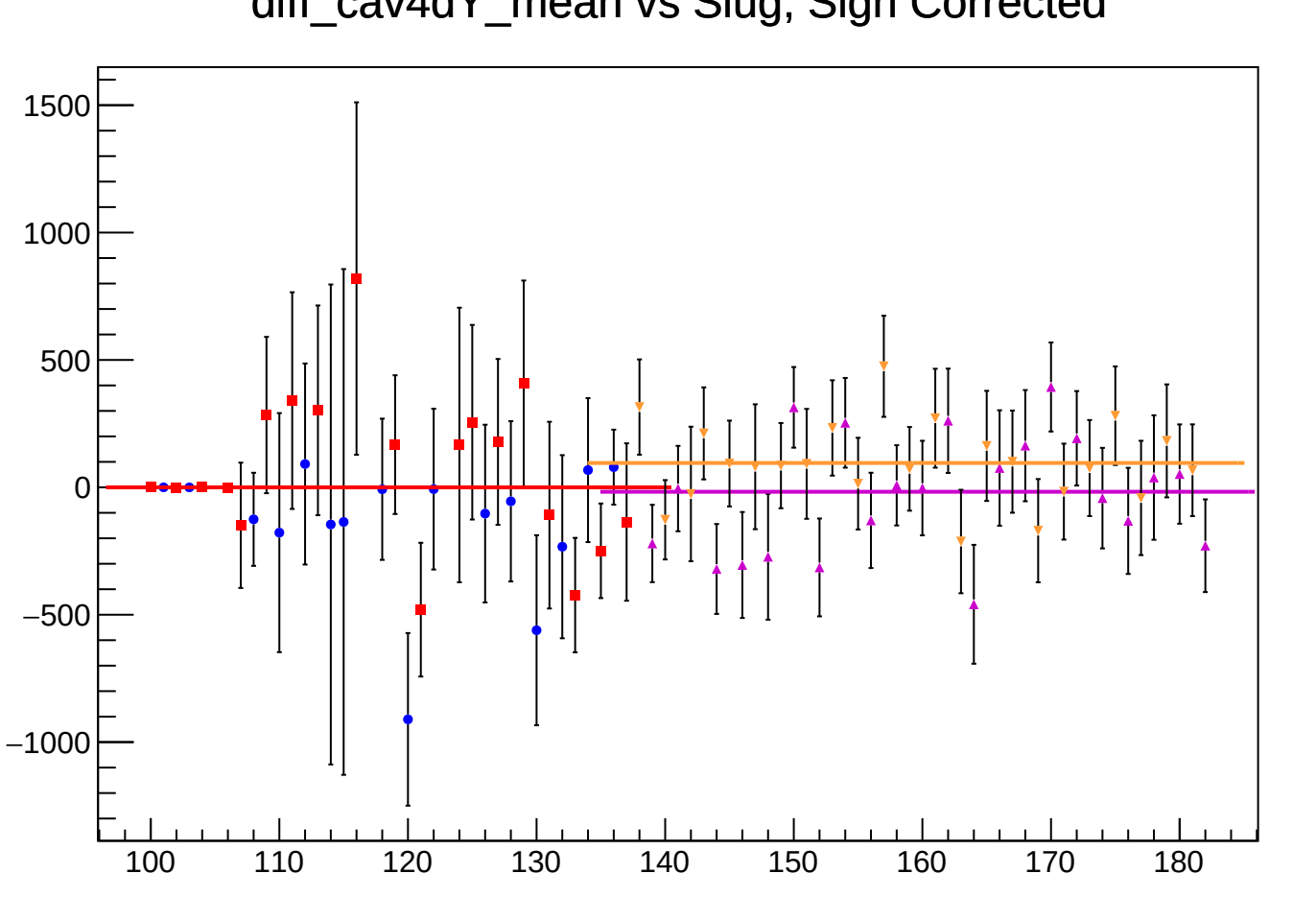
Left: 204050.701+/-24.108 χ^2/NDF: 782312.7/44

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 151.669+/-0.122 χ^2/NDF:47211593.7/37

Out: 151.650+/-0.113 χ^2/NDF:47695014.3/40

All: 151.659+/-0.083 χ^2/NDF: 94906608.0/78



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 95.607+/-40.117 χ^2/NDF:15.3/22

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -17.354+/-40.343 χ^2/NDF:32.2/21

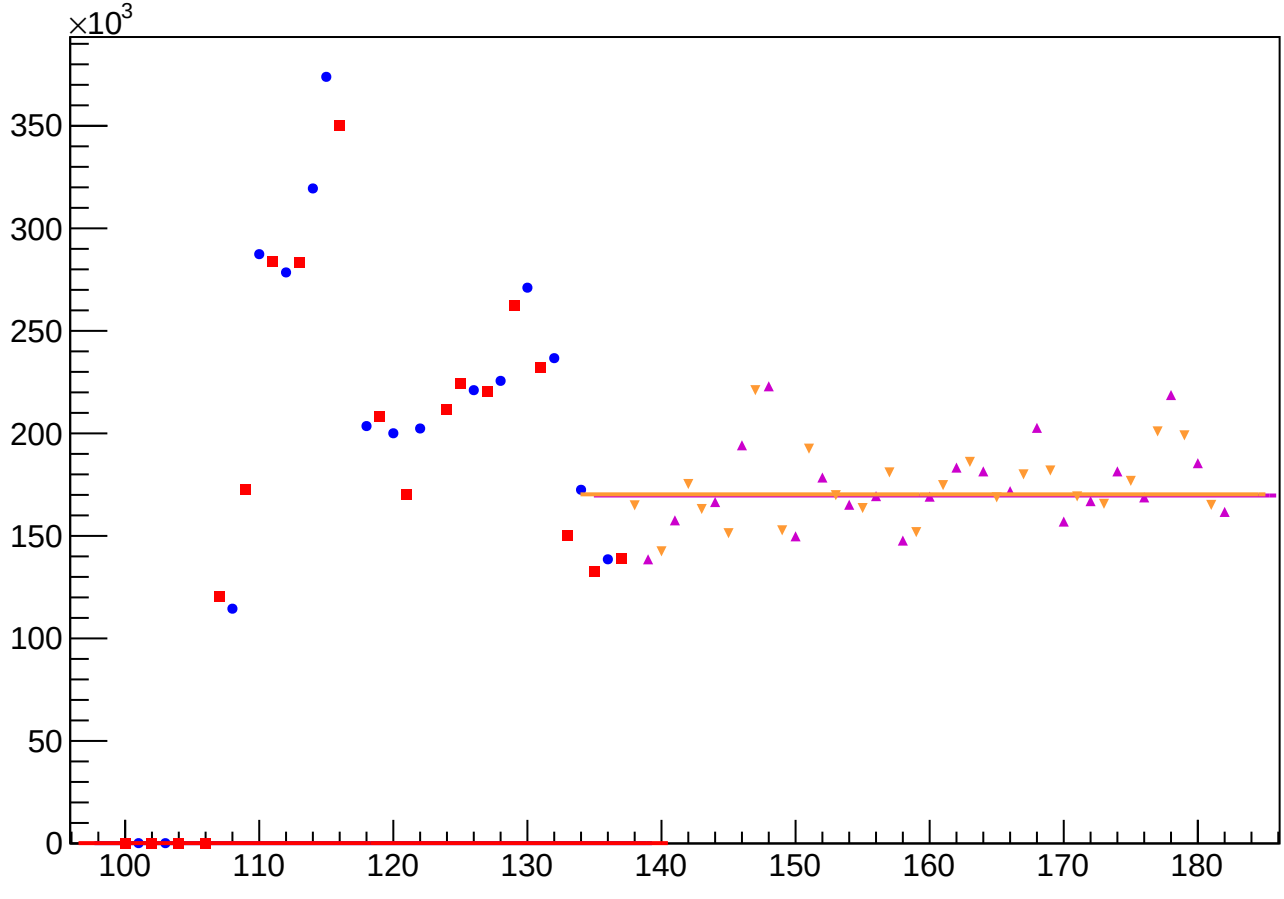
Left: 39.444+/-28.446 χ^2/NDF: 51.4/44

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.068+/-0.177 χ^2/NDF:43.6/37

Out: -0.124+/-0.166 χ^2/NDF:36.2/41

All: -0.098+/-0.121 χ^2/NDF: 79.9/79



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 170272.265+/-28.367 χ^2/NDF:358522.1/22

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 169702.658+/-28.526 χ^2/NDF:467440.2/21

Left: 169989.060+/-20.115 χ^2/NDF: 826162.8/44

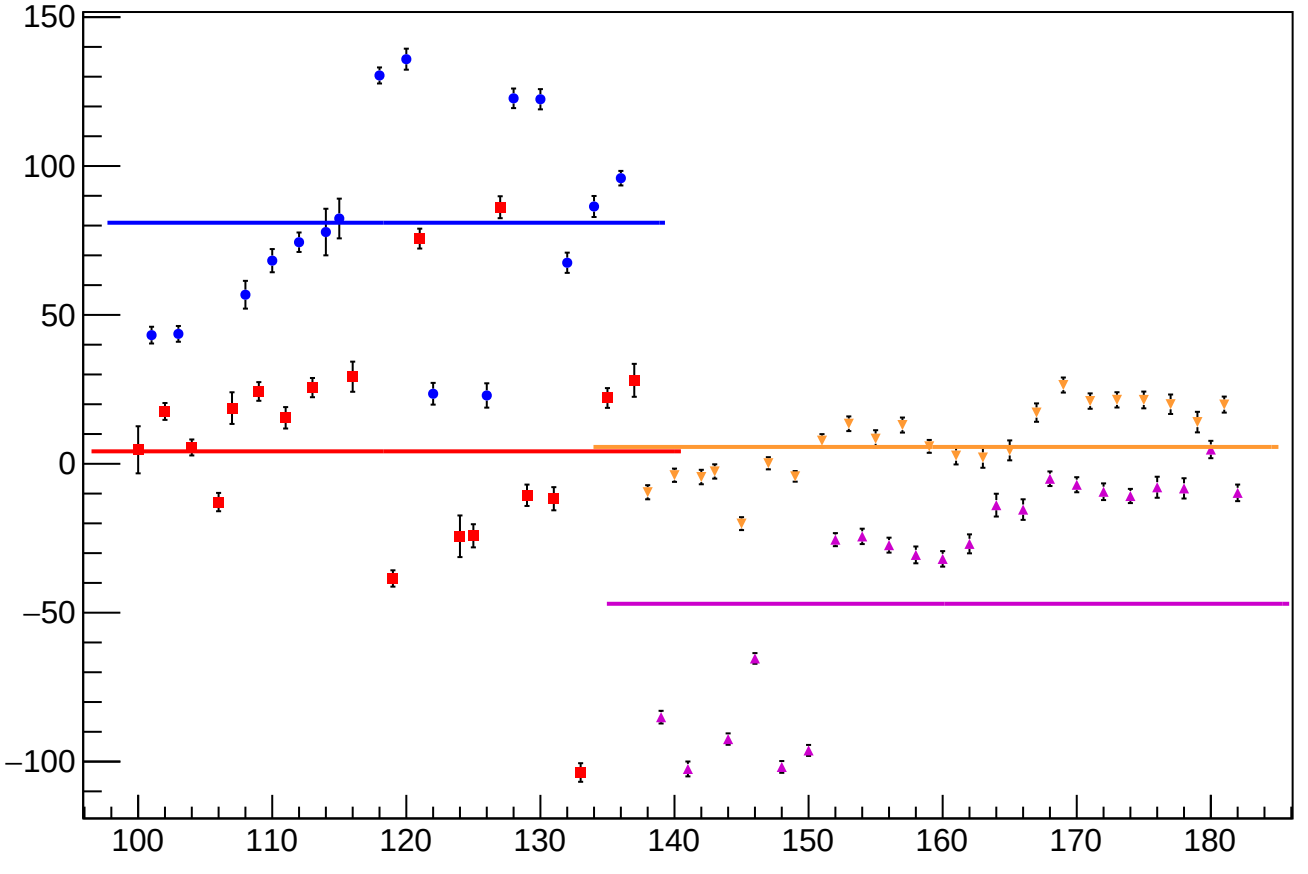
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 156.732+/-0.125 χ^2/NDF:47697765.2/37

Out: 159.087+/-0.118 χ^2/NDF:47653071.9/41

All: 157.983+/-0.086 χ^2/NDF: 95351024.7/79

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 5.664+/-0.524 χ^2/NDF:529.1/22

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -47.008+/-0.528 χ^2/NDF:5161.7/21

Left: -20.487+/-0.372 χ^2/NDF: 10709.2/44

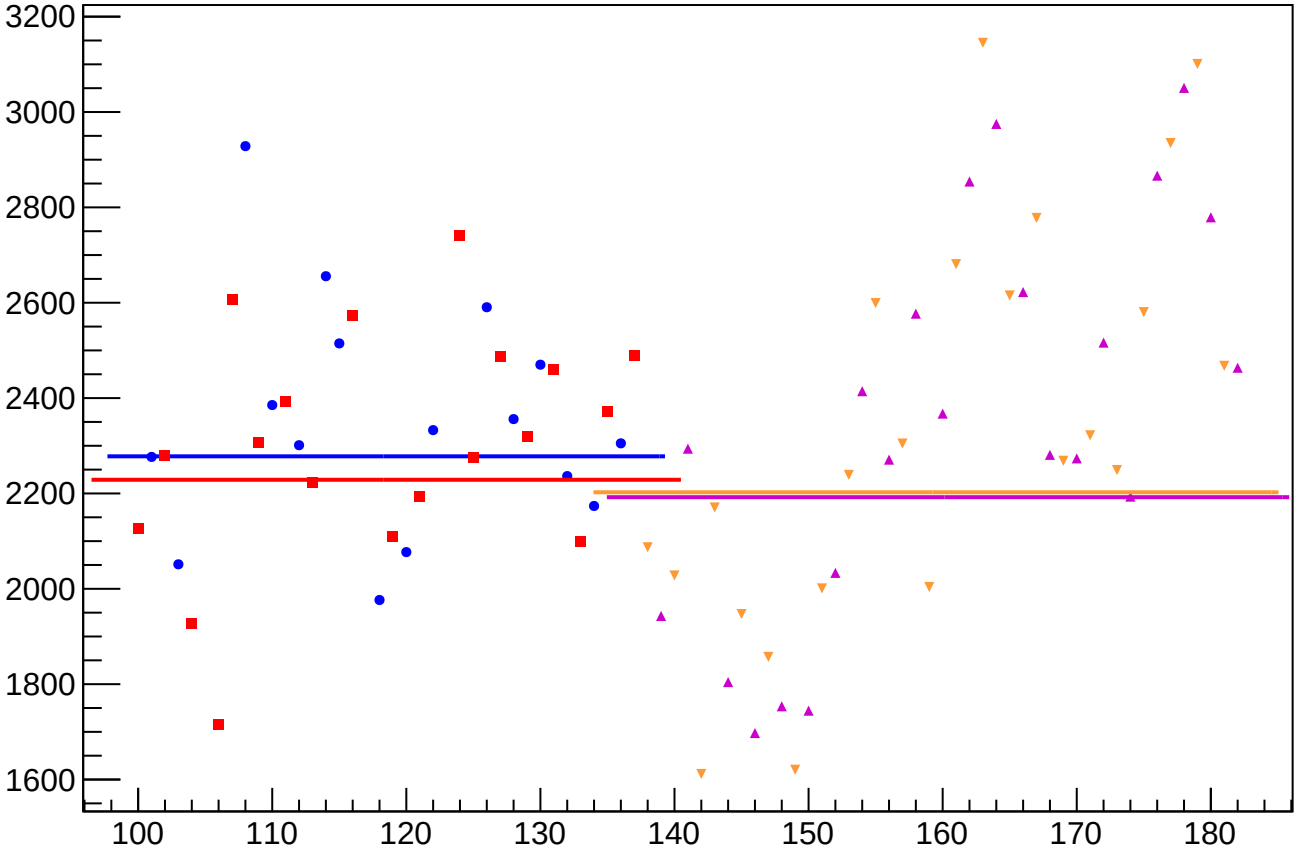
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -11.507+/-0.448 χ^2/NDF:23295.9/37

Out: 5.235+/-0.442 χ^2/NDF:3251.1/41

All: -3.005+/-0.315 χ^2/NDF: 27254.7/79

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2202.481+/-0.370 χ^2/NDF:1110302.0/22

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2192.189+/-0.373 χ^2/NDF:1087564.1/21

Left: 2197.371+/-0.263 χ^2/NDF: 2198249.4/44

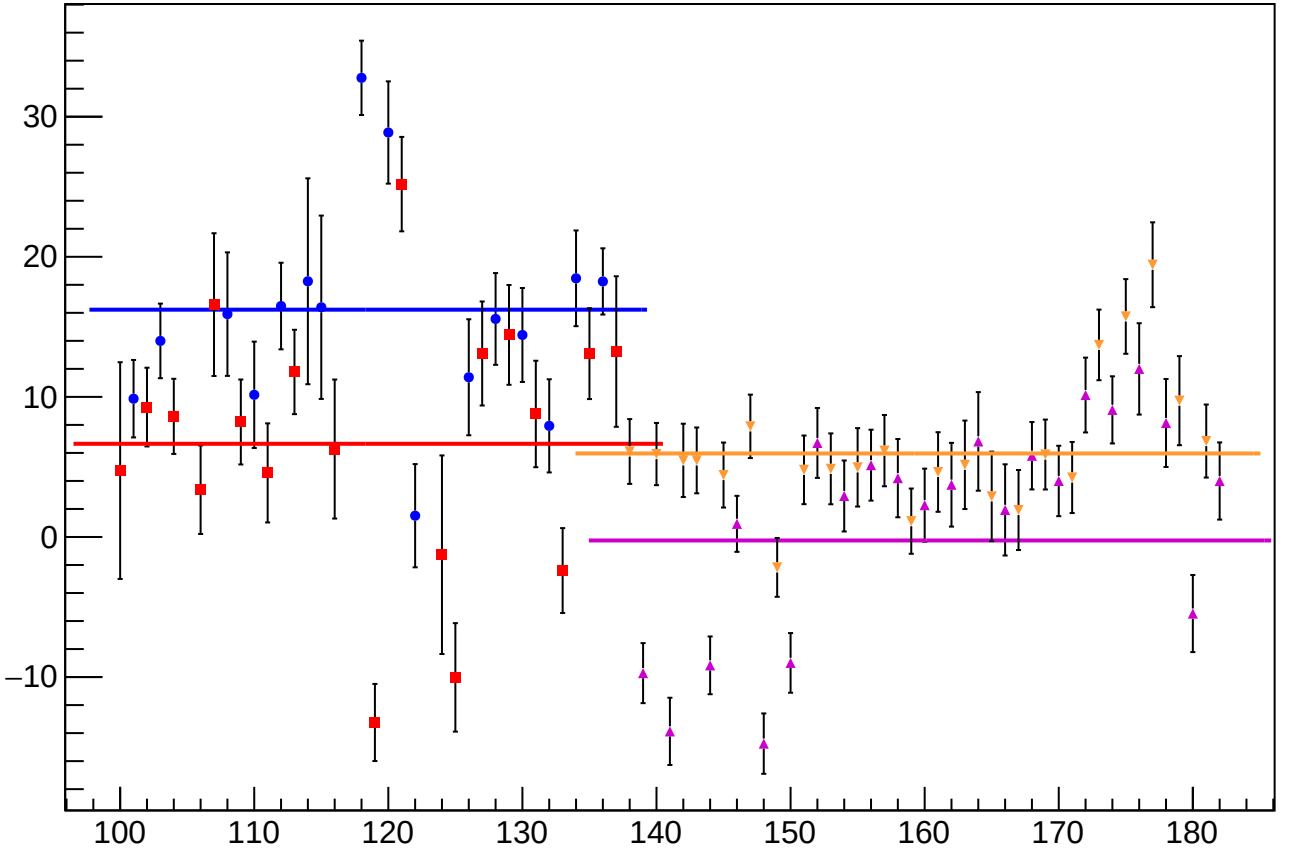
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2215.958+/-0.317 χ^2/NDF:1217968.3/37

Out: 2210.077+/-0.312 χ^2/NDF:1262888.2/41

All: 2212.971+/-0.222 χ^2/NDF: 2481031.1/79

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.962+/-0.532 χ^2/NDF:69.0/22

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -0.248+/-0.538 χ^2/NDF:223.2/21

Left: 2.890+/-0.378 χ^2/NDF: 359.5/44

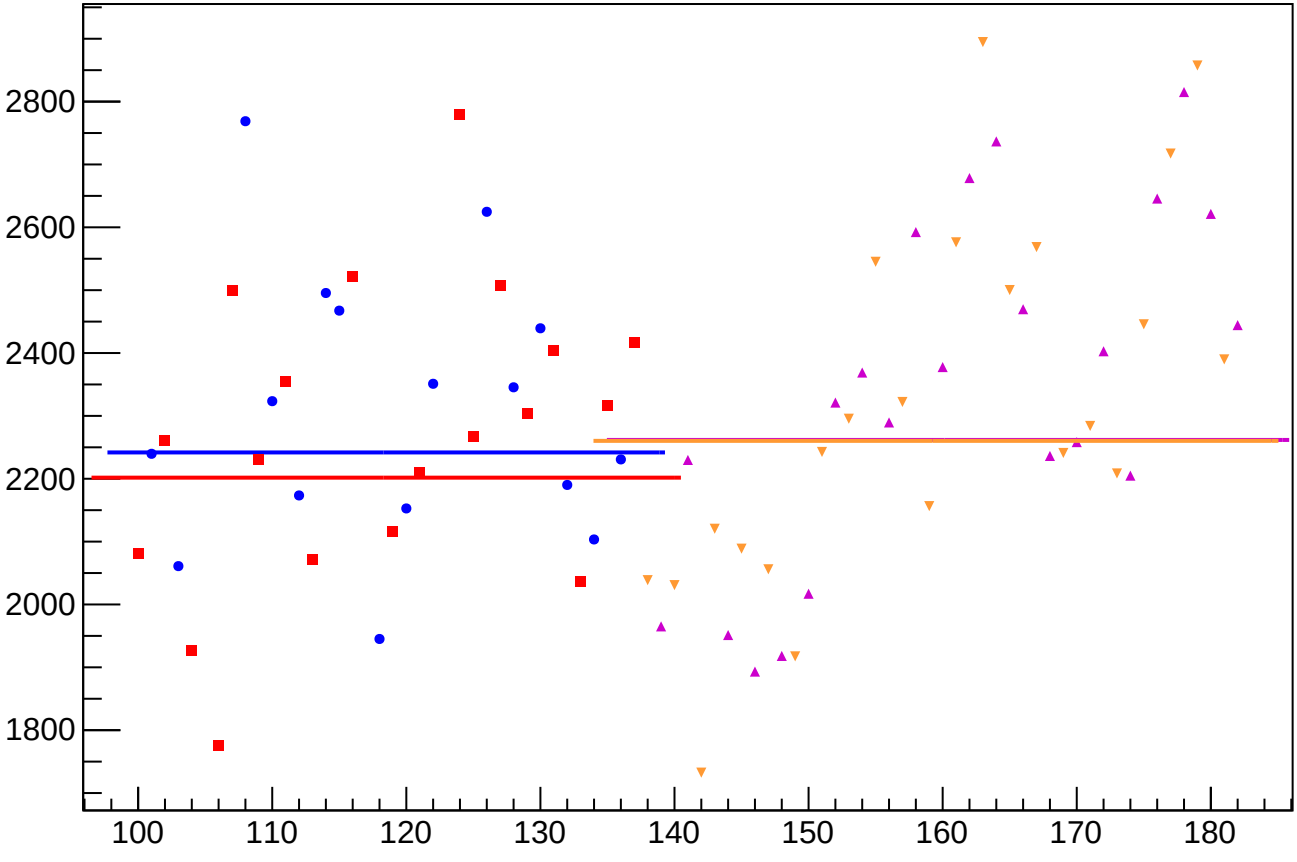
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.566+/-0.453 χ^2/NDF:581.5/37

Out: 6.170+/-0.445 χ^2/NDF:204.1/41

All: 5.382+/-0.317 χ^2/NDF: 792.0/79

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2260.280+/-0.376 χ^2/NDF:506934.8/22

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2261.738+/-0.381 χ^2/NDF:489404.8/21

Left: 2261.001+/-0.268 χ^2/NDF: 996347.0/44

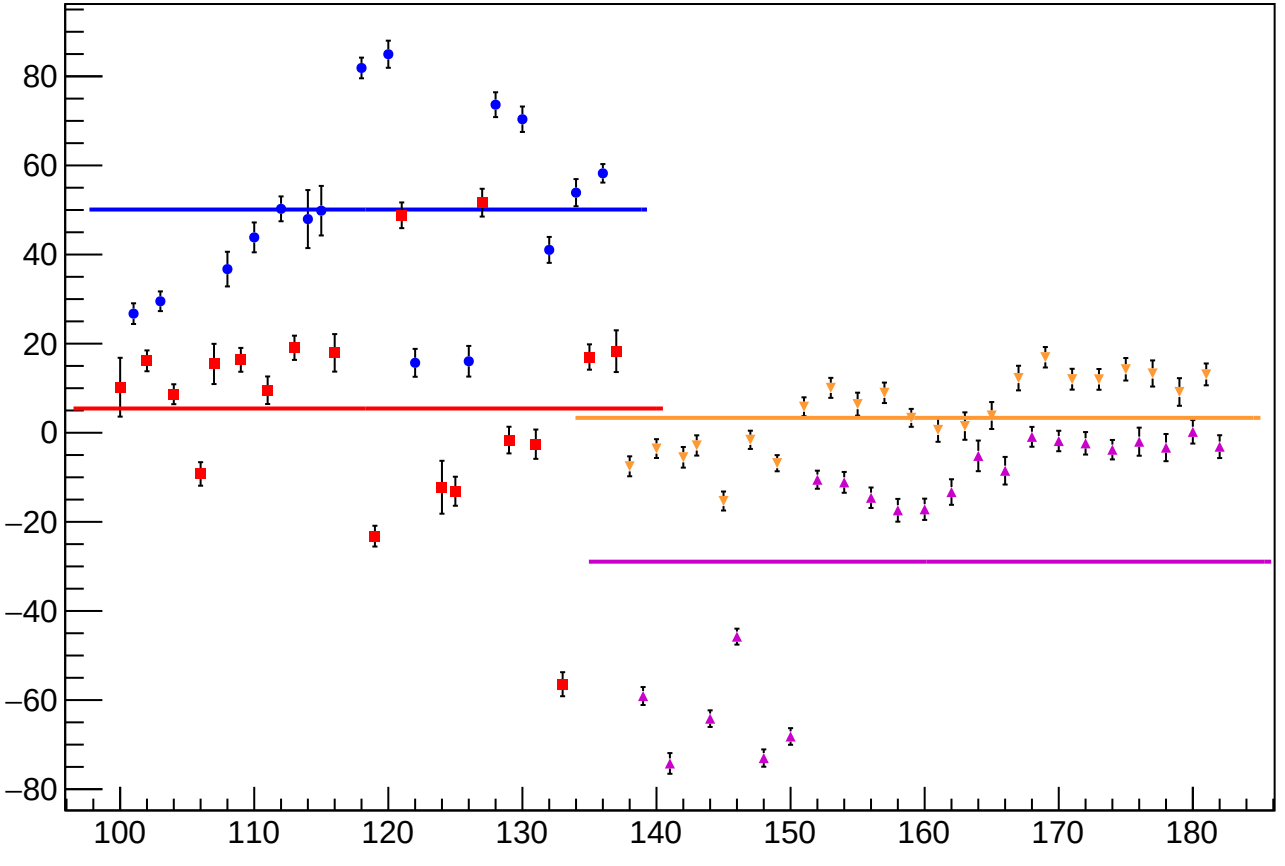
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2255.927+/-0.320 χ^2/NDF:592463.3/37

Out: 2242.598+/-0.315 χ^2/NDF:644121.4/41

All: 2249.144+/-0.224 χ^2/NDF: 1237466.9/79

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 3.343+/-0.490 χ^2/NDF:311.9/22

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -28.937+/-0.494 χ^2/NDF:3256.8/21

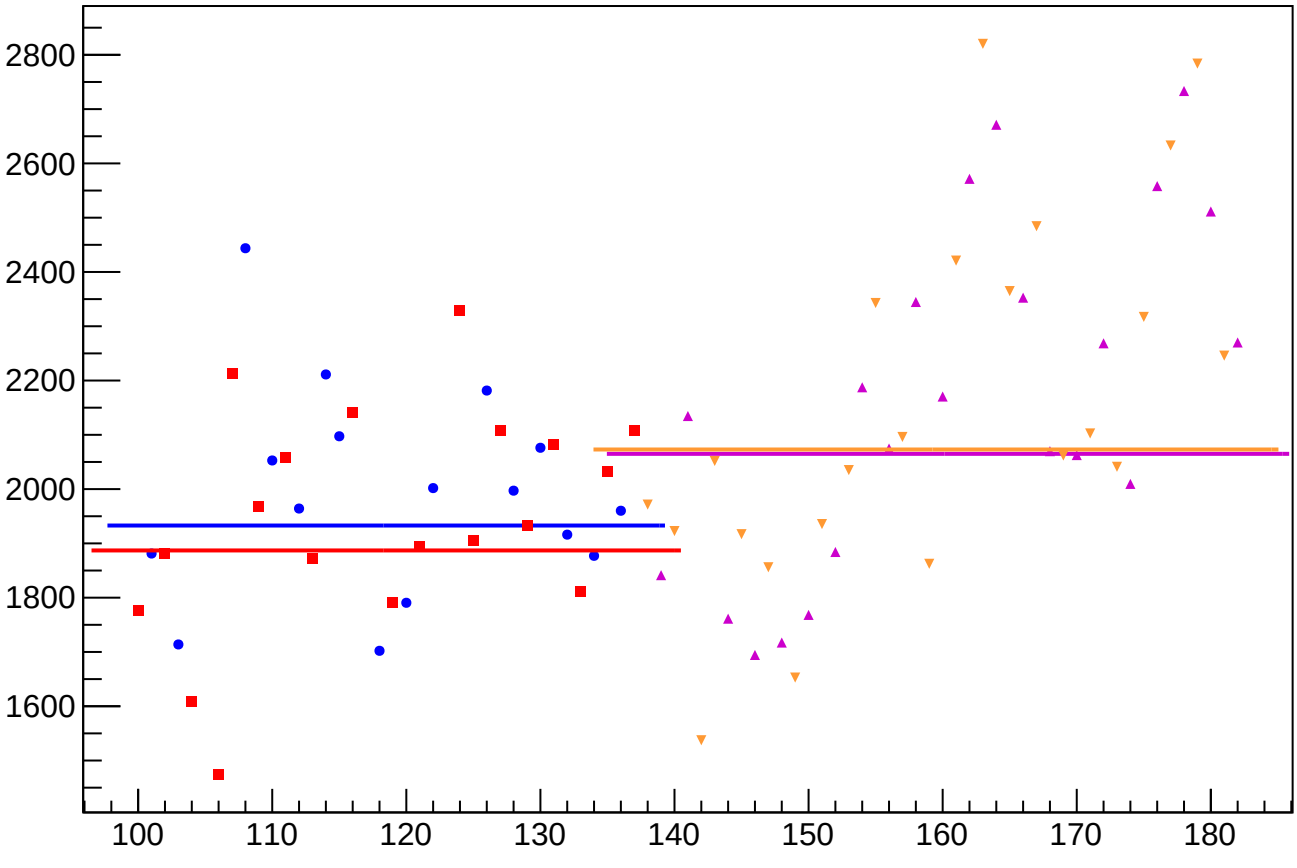
Left: -12.674+/-0.348 χ^2/NDF: 5720.3/44

Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.743+/-0.408 χ^2/NDF:12306.7/37

Out: 4.041+/-0.400 χ^2/NDF:1629.6/41

All: 0.219+/-0.286 χ^2/NDF: 14121.9/79



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2072.975+/-0.347 χ^2/NDF:736924.3/22

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 2064.964+/-0.349 χ^2/NDF:700176.4/21

Left: 2069.000+/-0.246 χ^2/NDF: 1437365.7/44

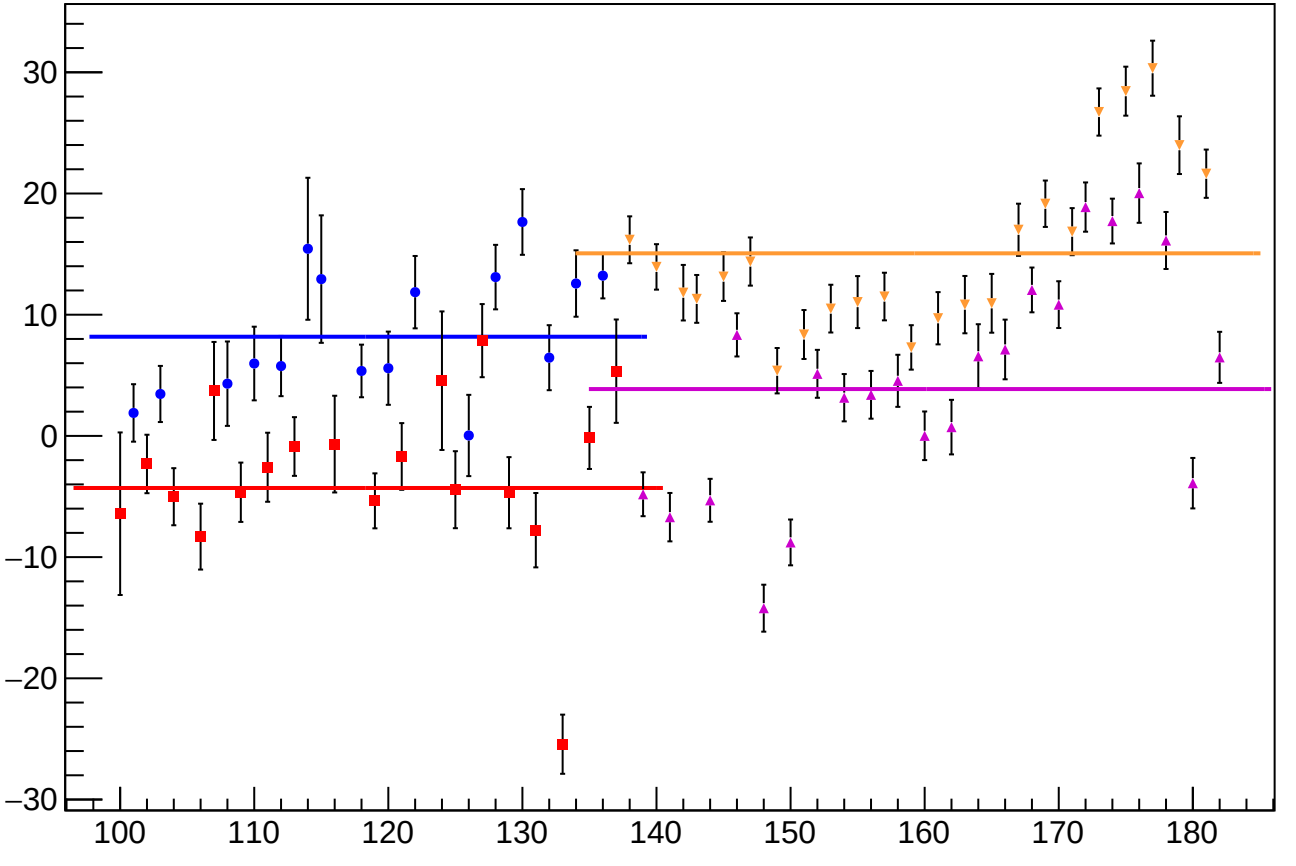
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 2022.871+/-0.288 χ^2/NDF:851711.4/37

Out: 2011.109+/-0.283 χ^2/NDF:982434.8/41

All: 2016.884+/-0.202 χ^2/NDF: 1834993.4/79

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 15.064+/-0.426 χ^2/NDF:243.5/22

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: 3.866+/-0.431 χ^2/NDF:454.8/21

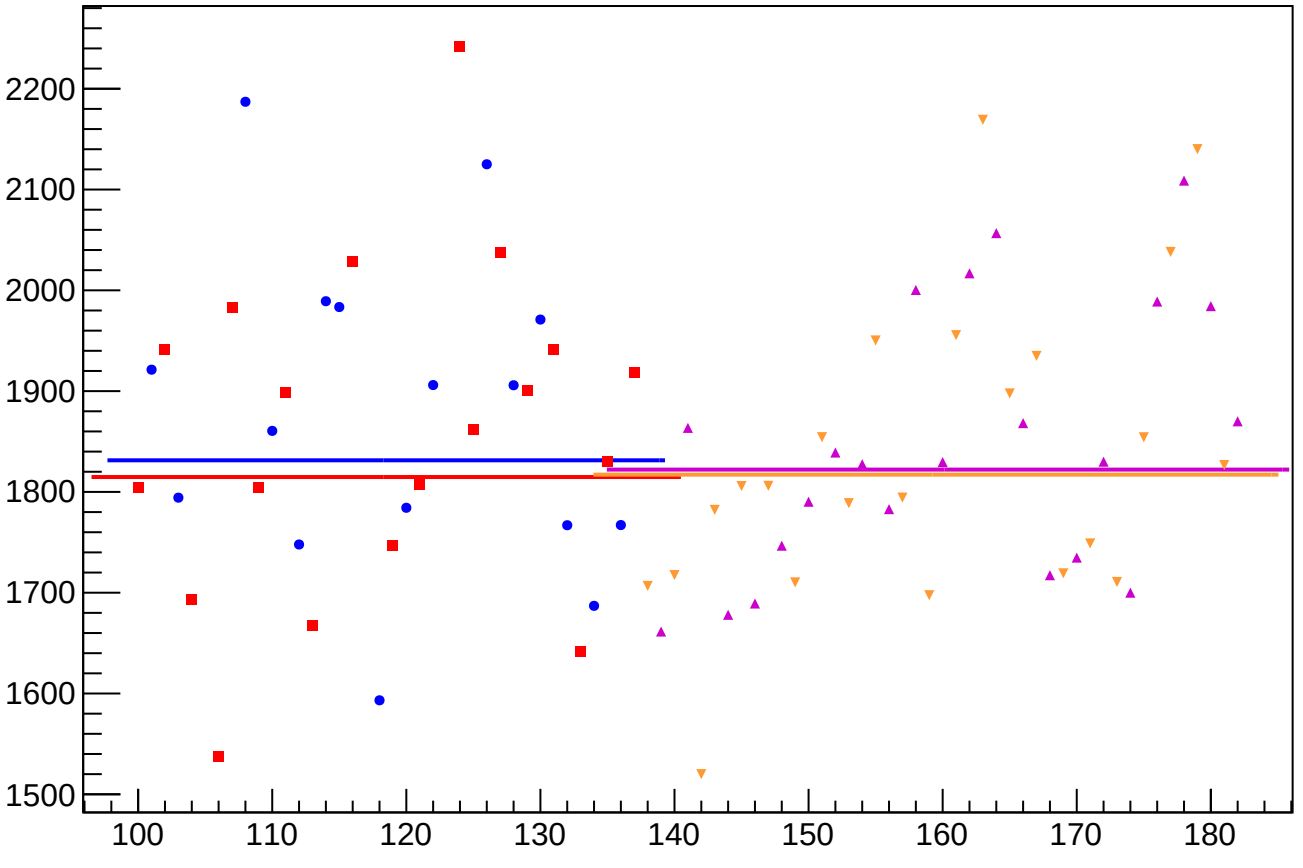
Left: 9.531+/-0.303 χ^2/NDF: 1039.8/44

Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 5.094+/-0.365 χ^2/NDF:535.3/37

Out: 9.437+/-0.359 χ^2/NDF:957.9/41

All: 7.300+/-0.256 χ^2/NDF: 1565.3/79



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1817.133+/-0.301 χ^2/NDF:201486.3/22

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1822.152+/-0.305 χ^2/NDF:162181.8/21

Left: 1819.613+/-0.214 χ^2/NDF: 363805.3/44

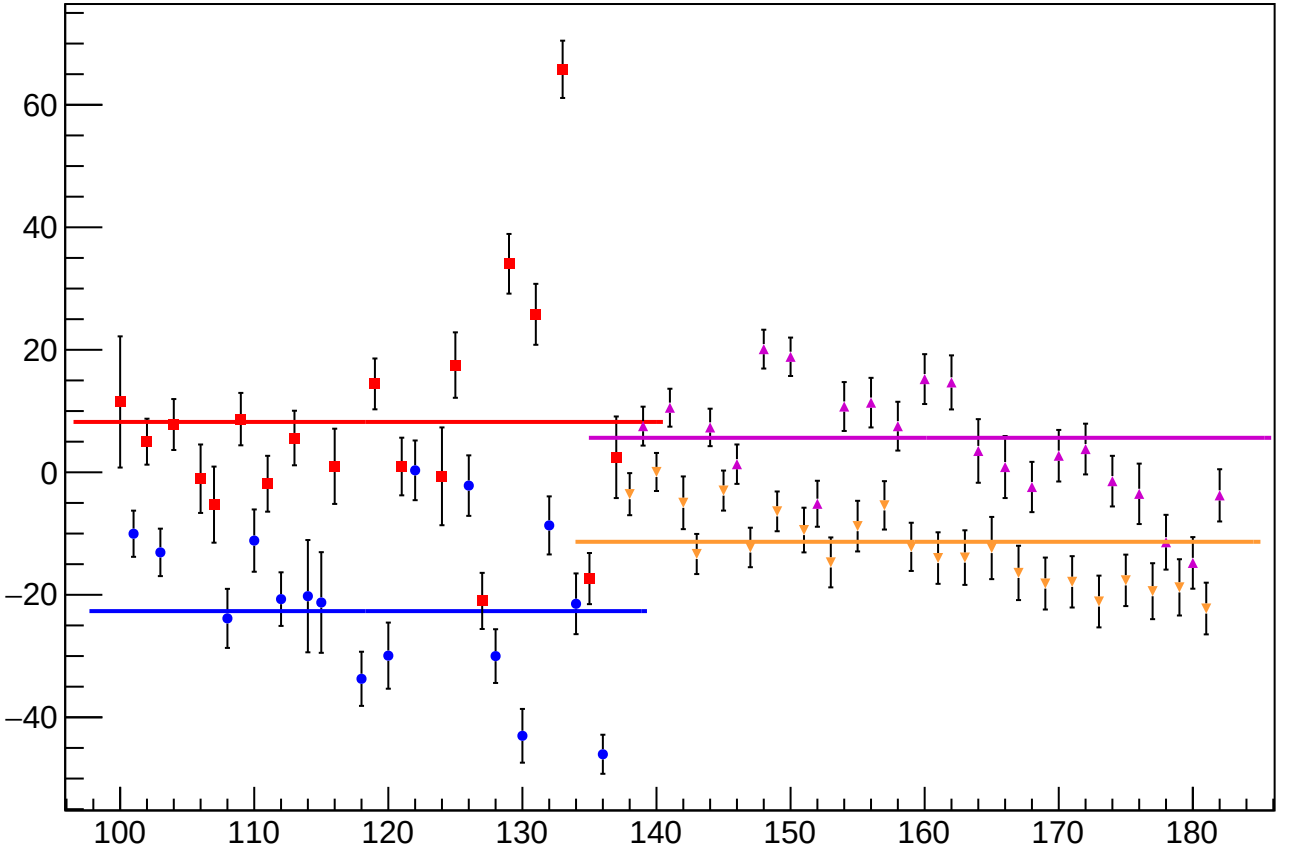
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1824.772+/-0.258 χ^2/NDF:249360.7/37

Out: 1816.447+/-0.254 χ^2/NDF:292242.8/41

All: 1820.542+/-0.181 χ^2/NDF: 542133.1/79

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -11.345+/-0.812 χ^2/NDF:60.8/22

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 5.632+/-0.820 χ^2/NDF:120.3/21

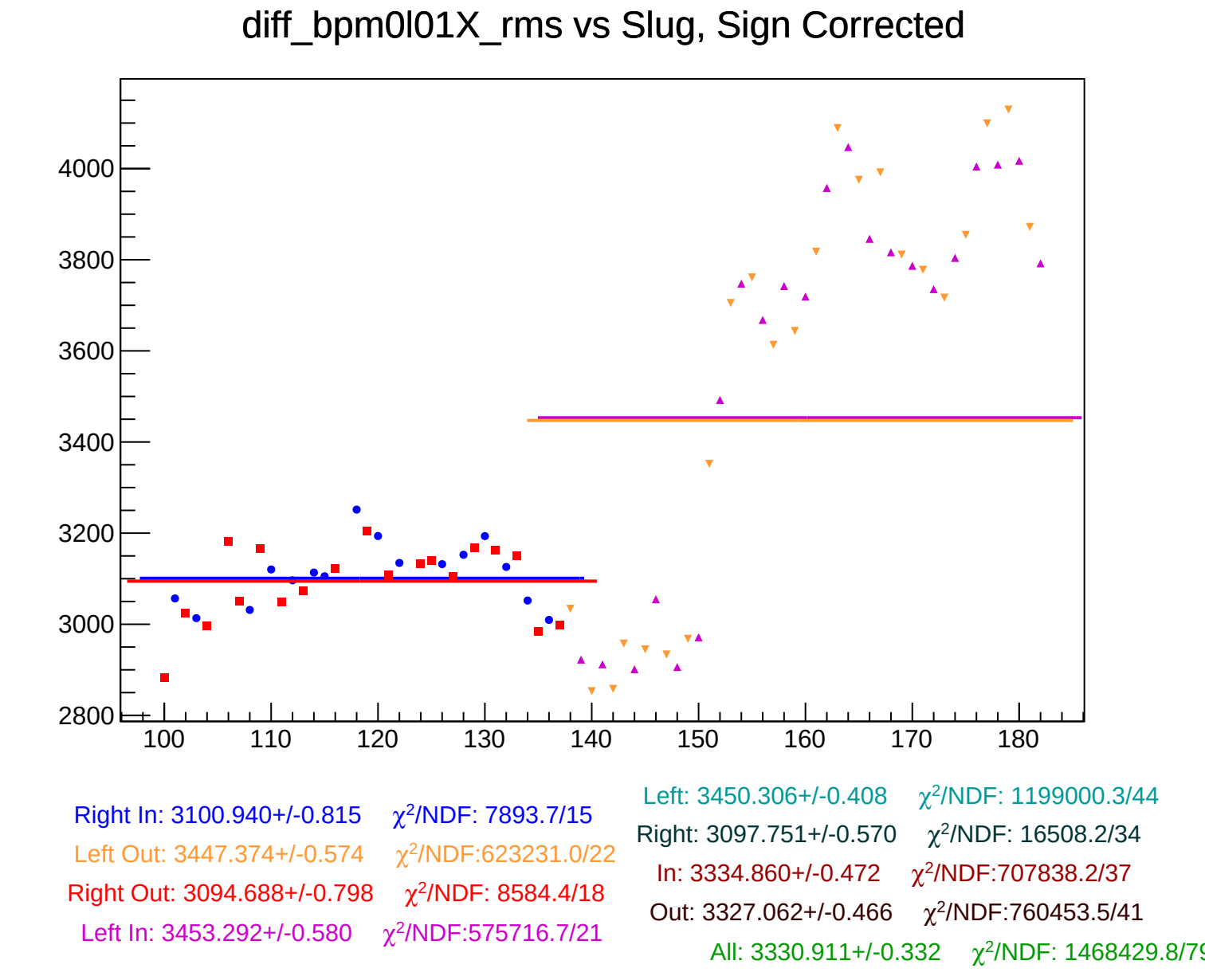
Left: -2.934+/-0.577 χ^2/NDF: 397.6/44

Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

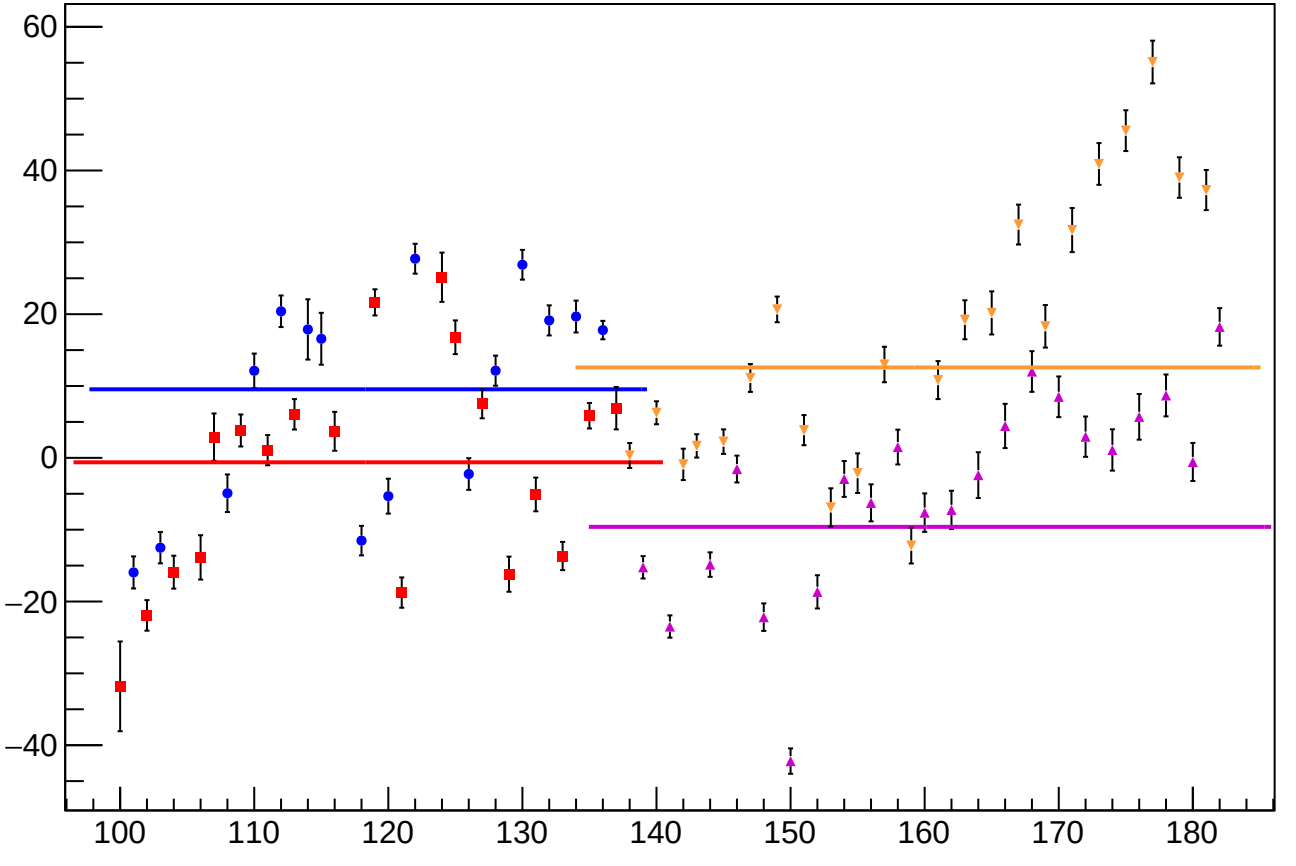
In: -3.879+/-0.668 χ^2/NDF:678.0/37

Out: -4.669+/-0.659 χ^2/NDF:553.7/41

All: -4.279+/-0.469 χ^2/NDF: 1232.4/79


diff_bpm0l01X_rms vs Slug, Sign Corrected
4000
3800
3600
3400
3200
3000
2800
100
110
120
130
140
150
160
170
180
Right In: 3100.940+/-0.815 χ²/NDF: 7893.7/15
Left Out: 3447.374+/-0.574 χ²/NDF:623231.0/22
Right Out: 3094.688+/-0.798 χ²/NDF: 8584.4/18
Left In: 3453.292+/-0.580 χ²/NDF:575716.7/21
Left: 3450.306+/-0.408 χ²/NDF: 1199000.3/44
Right: 3097.751+/-0.570 χ²/NDF: 16508.2/34
In: 3334.860+/-0.472 χ²/NDF:707838.2/37
Out: 3327.062+/-0.466 χ²/NDF:760453.5/41
All: 3330.911+/-0.332 χ²/NDF: 1468429.8/79

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 12.586+/-0.476 χ^2/NDF:1111.5/22

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -9.605+/-0.488 χ^2/NDF:897.8/21

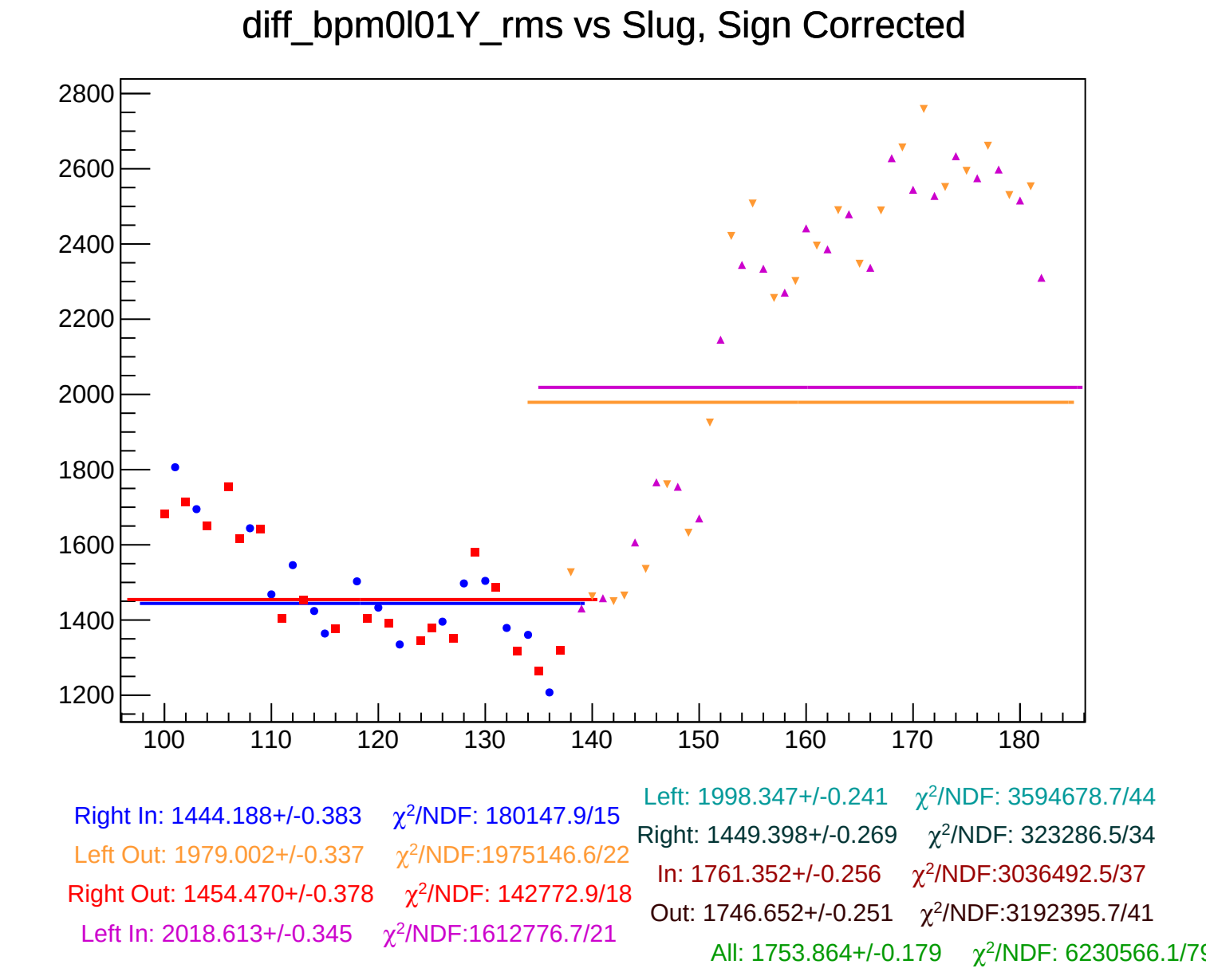
Left: 1.749+/-0.341 χ^2/NDF: 3069.4/44

Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

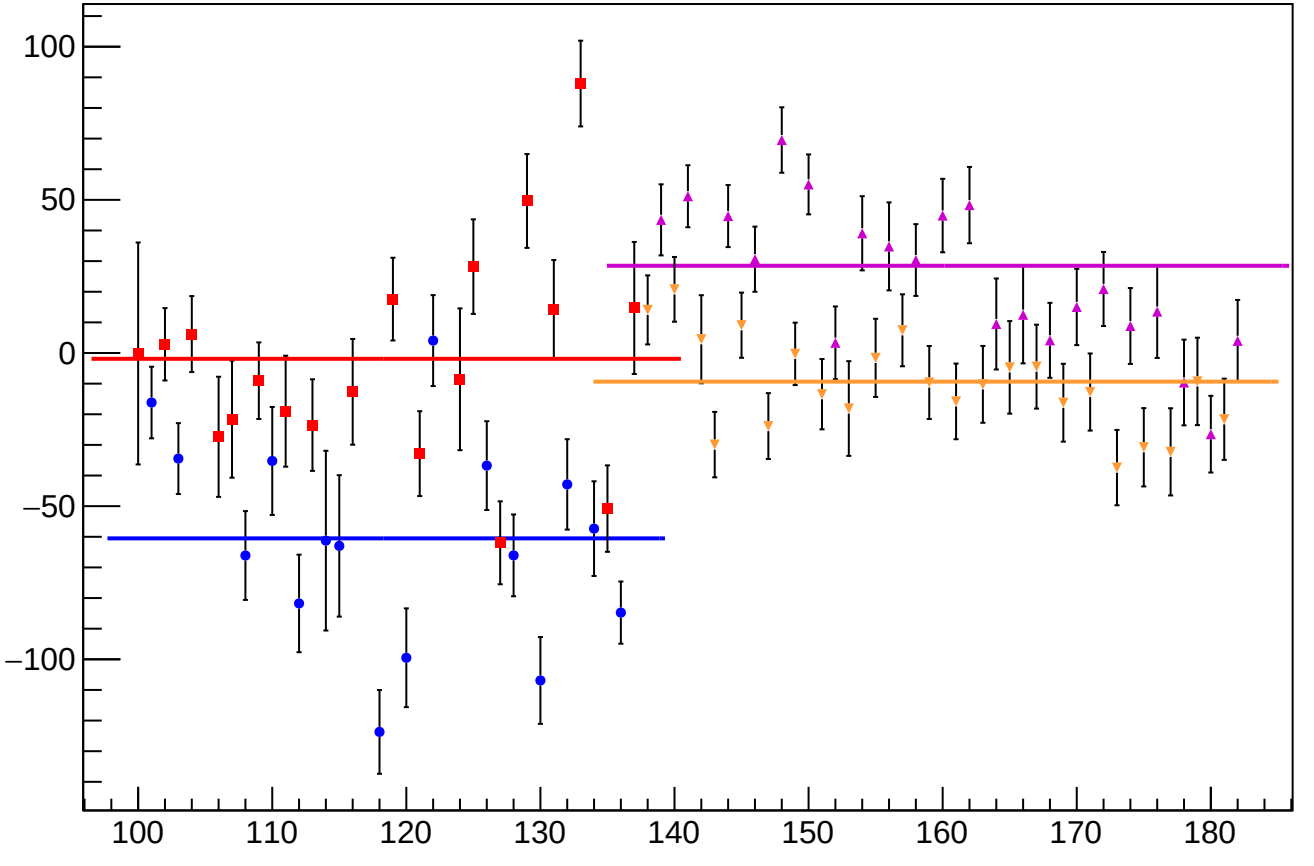
In: -1.031+/-0.362 χ^2/NDF:2287.3/37

Out: 6.736+/-0.355 χ^2/NDF:2117.9/41

All: 2.926+/-0.254 χ^2/NDF: 4639.3/79


diff_bpm0l01Y_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
170
180
Right In: 1444.188+/-0.383 χ²/NDF: 180147.9/15
Left Out: 1979.002+/-0.337 χ²/NDF:1975146.6/22
Right Out: 1454.470+/-0.378 χ²/NDF: 142772.9/18
Left In: 2018.613+/-0.345 χ²/NDF:1612776.7/21
Left: 1998.347+/-0.241 χ²/NDF: 3594678.7/44
Right: 1449.398+/-0.269 χ²/NDF: 323286.5/34
In: 1761.352+/-0.256 χ²/NDF:3036492.5/37
Out: 1746.652+/-0.251 χ²/NDF:3192395.7/41
All: 1753.864+/-0.179 χ²/NDF: 6230566.1/79

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -9.346+/-2.556 χ^2/NDF:37.9/22

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 28.481+/-2.574 χ^2/NDF:83.1/21

Left: 9.430+/-1.814 χ^2/NDF: 229.7/44

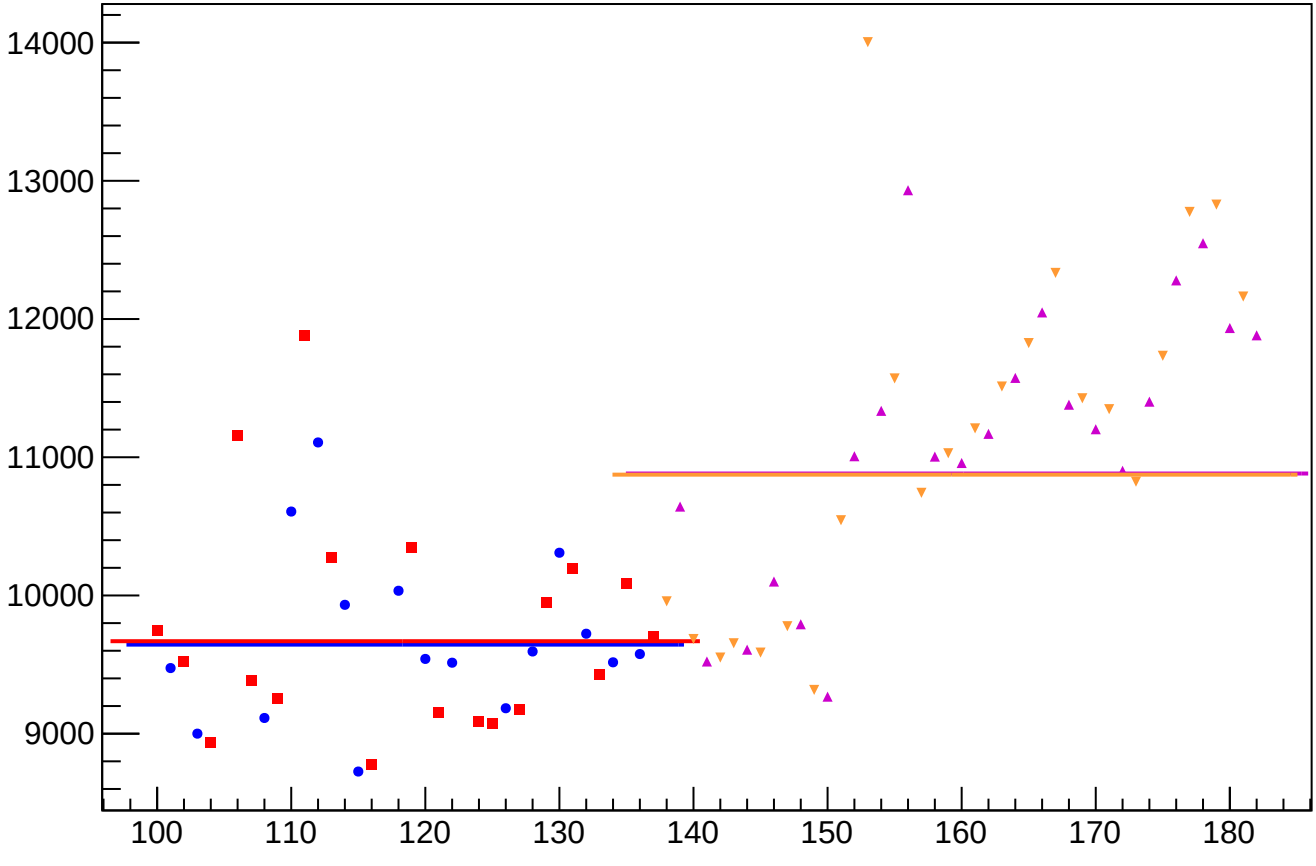
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -1.671+/-2.093 χ^2/NDF:578.3/37

Out: -6.795+/-2.073 χ^2/NDF:144.6/41

All: -4.259+/-1.473 χ^2/NDF: 726.0/79

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10874.150+/-1.807 χ^2/NDF:413411.4/22

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10882.259+/-1.820 χ^2/NDF:293929.9/21

Left: 10878.175+/-1.282 χ^2/NDF: 707351.2/44

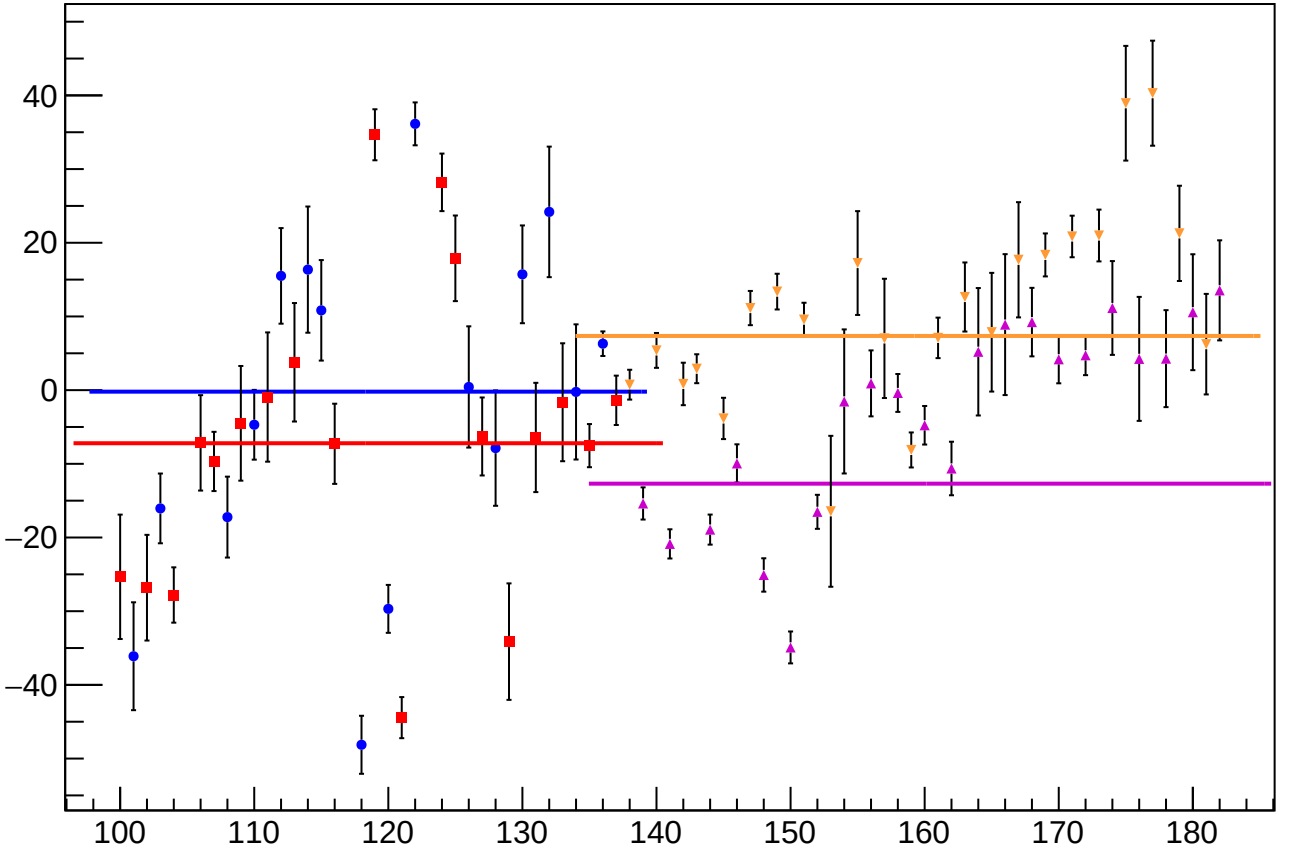
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 10462.872+/-1.480 χ^2/NDF:494709.5/37

Out: 10461.735+/-1.466 χ^2/NDF:645475.4/41

All: 10462.298+/-1.041 χ^2/NDF: 1140185.2/7

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 7.354+/-0.657 χ^2/NDF:194.8/22

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -12.693+/-0.662 χ^2/NDF:358.6/21

Left: -2.605+/-0.466 χ^2/NDF: 1015.3/44

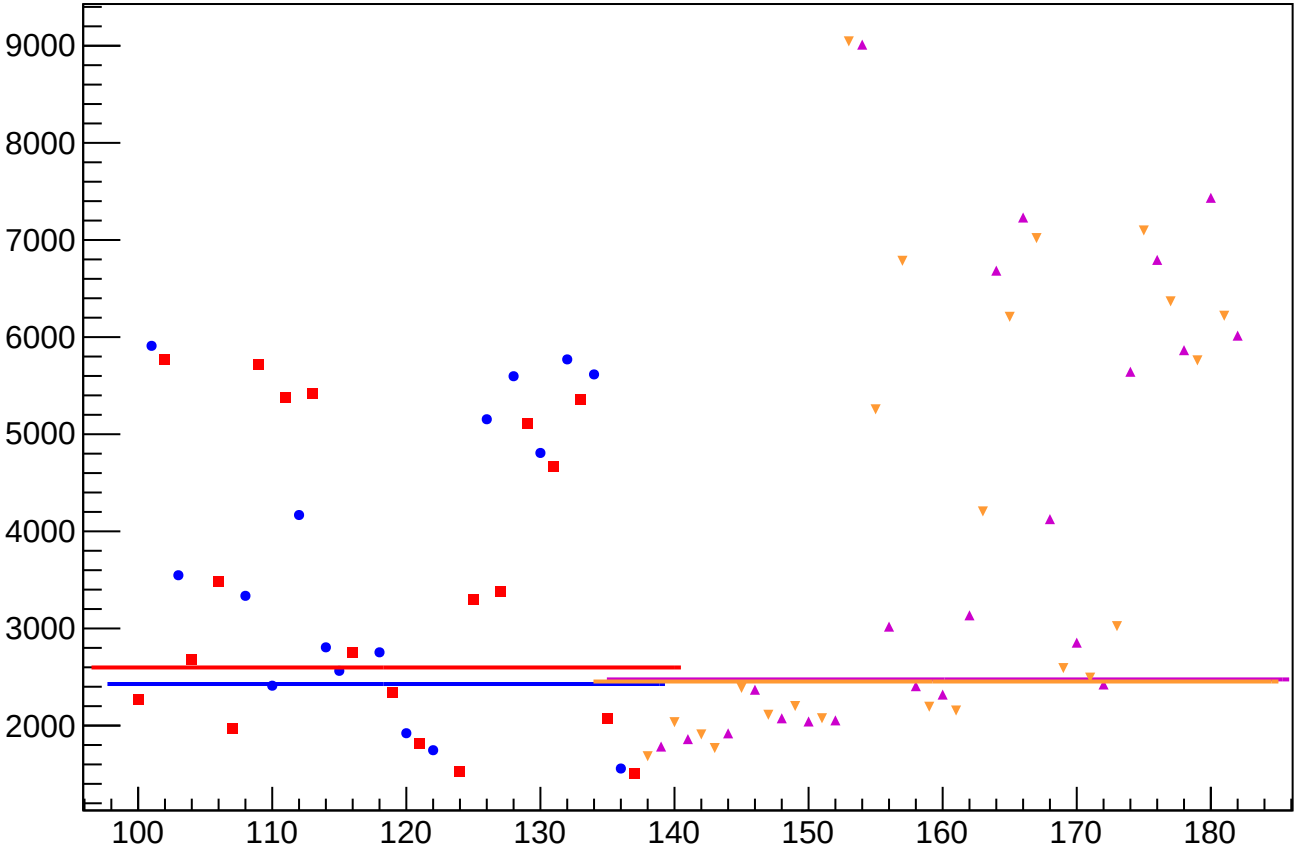
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -9.122+/-0.559 χ^2/NDF:934.1/37

Out: 3.384+/-0.561 χ^2/NDF:814.2/41

All: -2.887+/-0.396 χ^2/NDF: 1997.8/79

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2453.813+/-0.465 χ^2/NDF:6455228.0/22

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2475.319+/-0.468 χ^2/NDF:5892091.4/21

Left: 2464.497+/-0.330 χ^2/NDF: 12348382.7/44

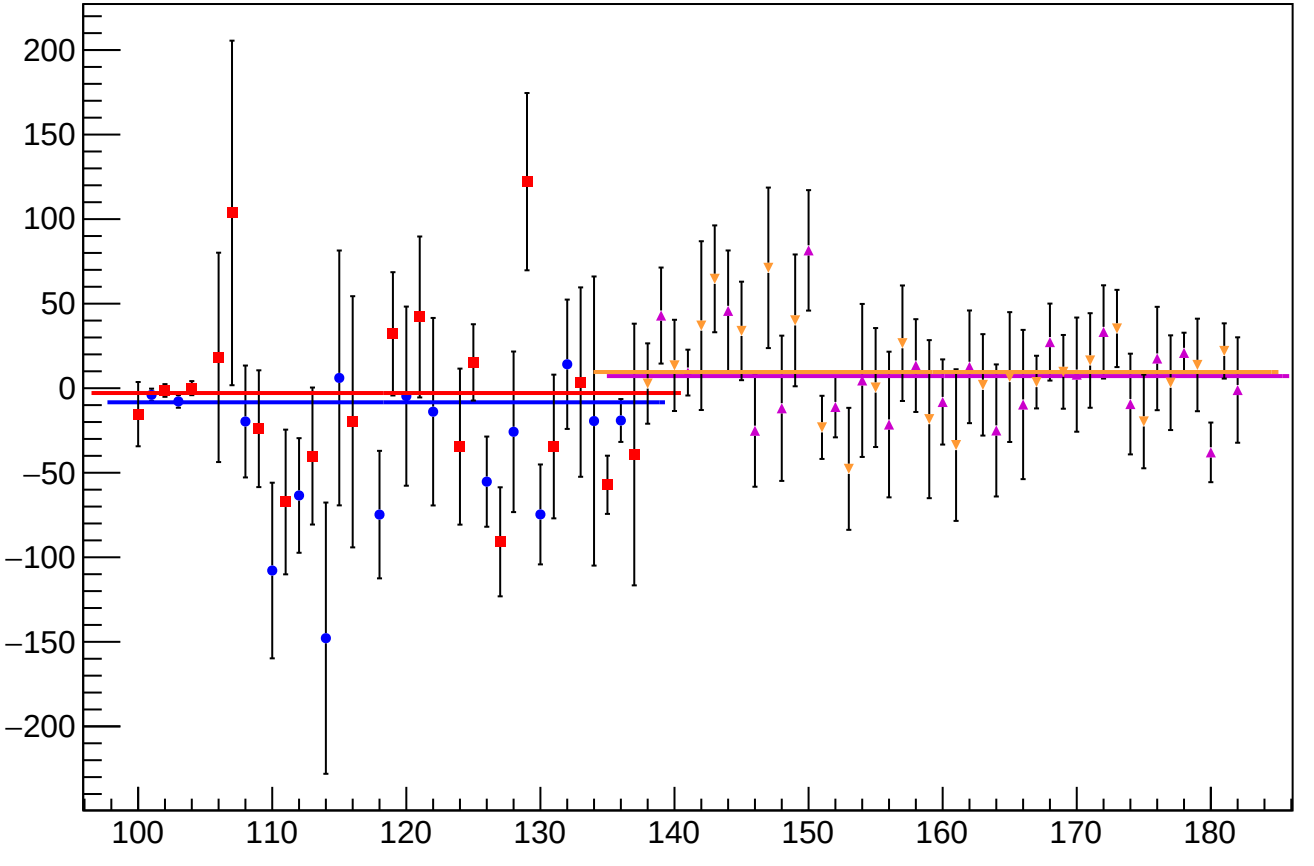
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2461.808+/-0.395 χ^2/NDF:8710342.7/37

Out: 2493.219+/-0.396 χ^2/NDF:8996513.7/41

All: 2477.469+/-0.280 χ^2/NDF: 17710004.2/7

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 9.576+/-5.594 χ^2/NDF:17.0/22

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 7.167+/-5.242 χ^2/NDF:21.1/21

Left: 8.293+/-3.825 χ^2/NDF: 38.1/44

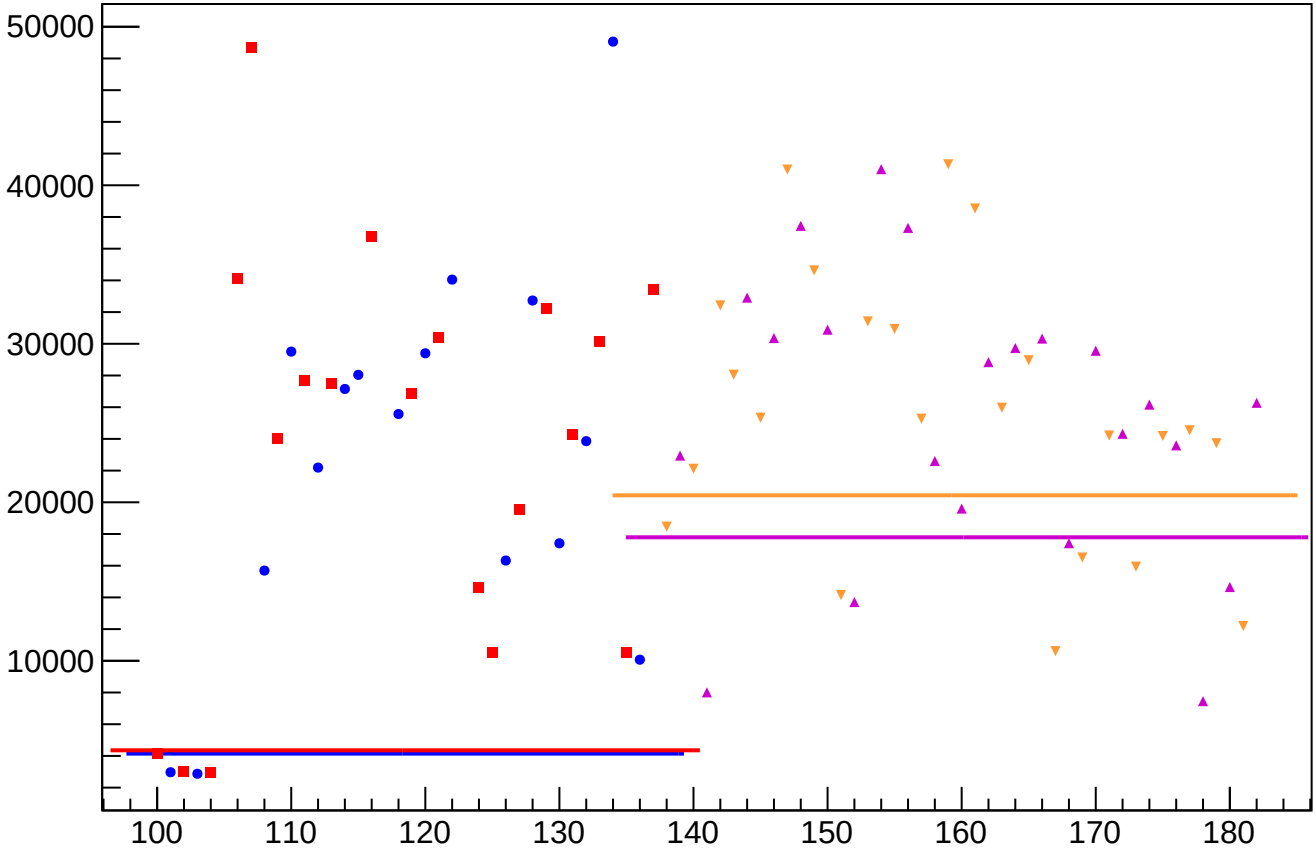
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -5.462+/-2.256 χ^2/NDF:51.6/37

Out: -0.586+/-2.387 χ^2/NDF:53.6/41

All: -3.161+/-1.640 χ^2/NDF: 107.4/79

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 20440.443+/-3.956 χ^2/NDF:4063310.7/22

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 17792.033+/-3.707 χ^2/NDF:6421950.9/21

Left: 19030.219+/-2.705 χ^2/NDF: 10723939.6/44

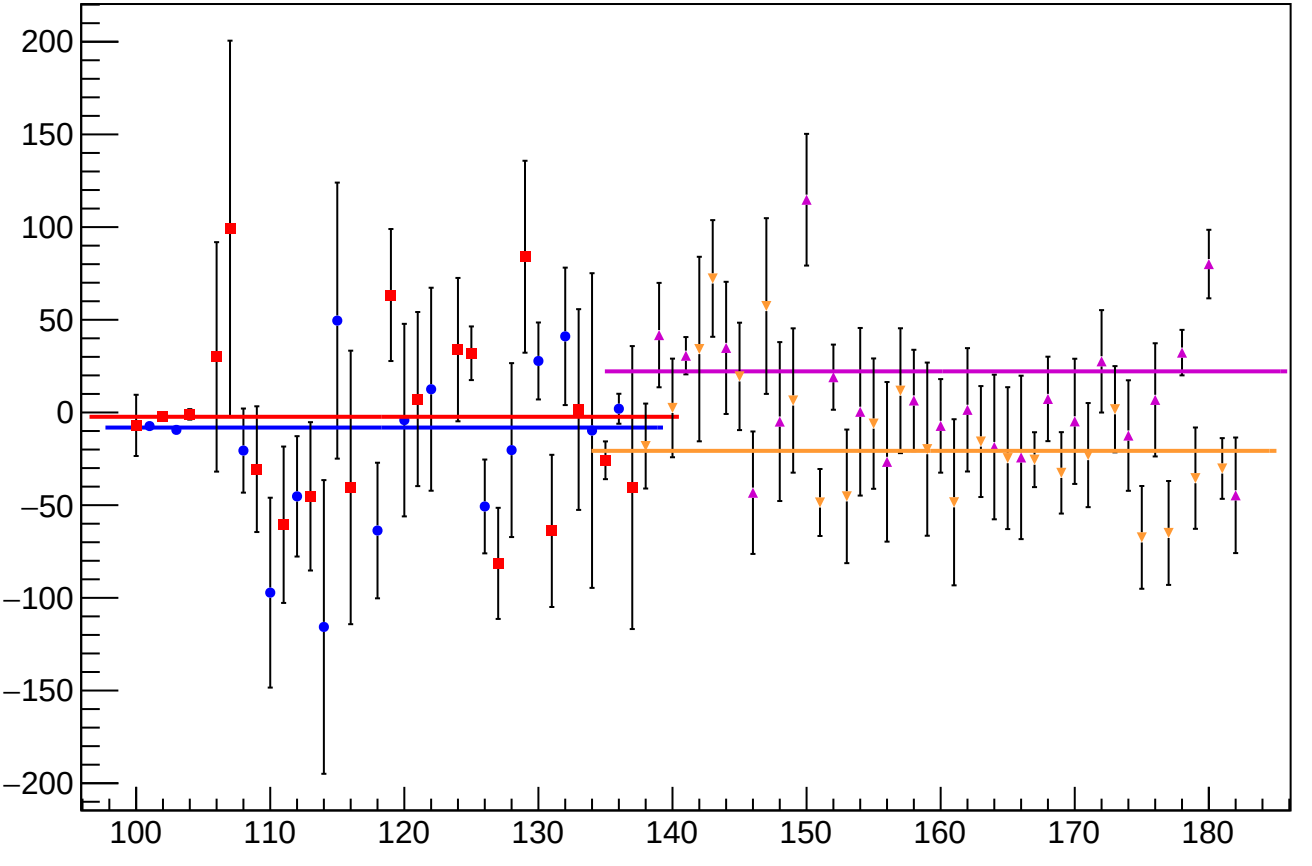
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 6673.473+/-1.595 χ^2/NDF:24302299.0/37

Out: 7283.498+/-1.688 χ^2/NDF:25213229.0/41

All: 6961.271+/-1.159 χ^2/NDF: 49584515.2/7

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -20.702+/-5.530 χ^2/NDF:27.5/22

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 22.181+/-4.979 χ^2/NDF:36.0/21

Left: 2.981+/-3.700 χ^2/NDF: 96.8/44

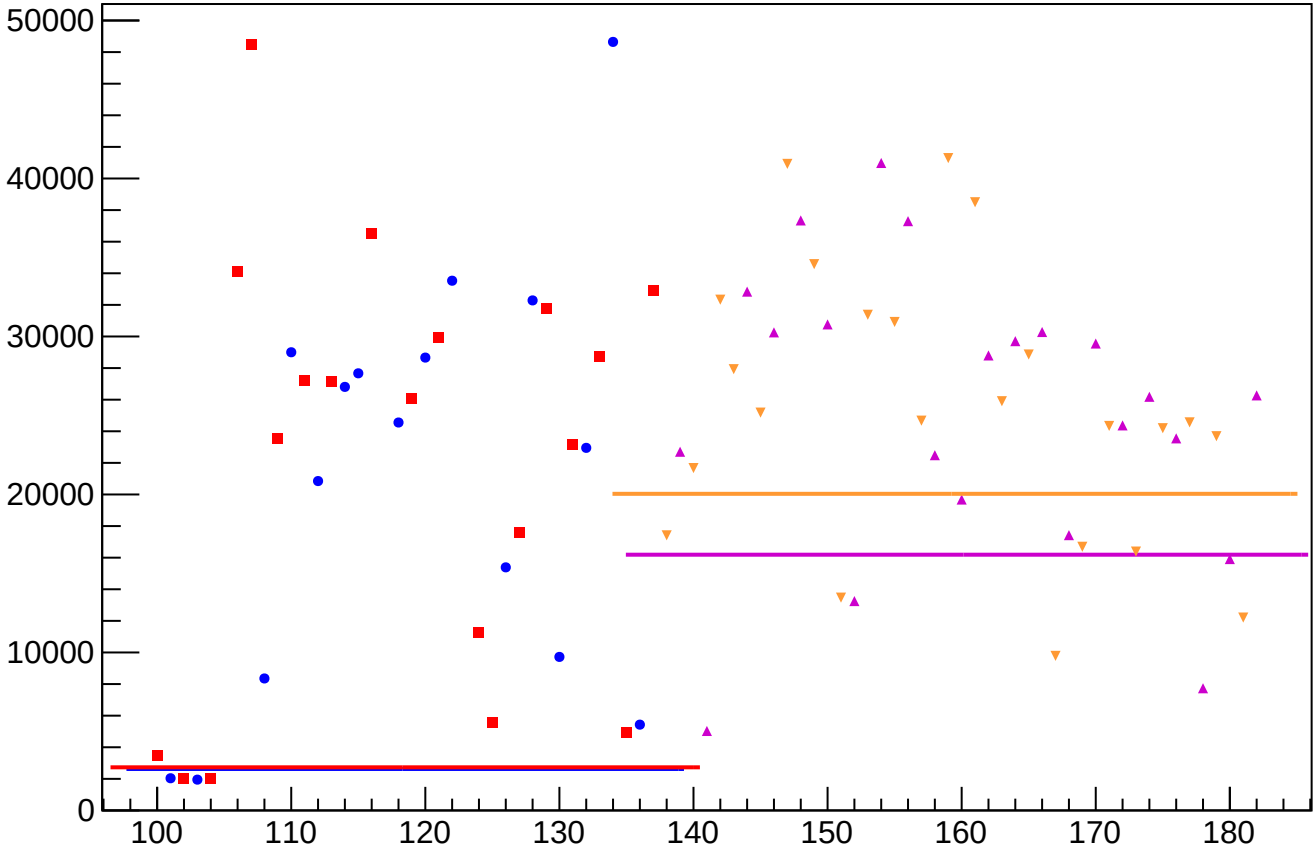
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -4.899+/-1.626 χ^2/NDF:88.3/37

Out: -4.124+/-1.730 χ^2/NDF:70.5/41

All: -4.536+/-1.185 χ^2/NDF: 158.9/79

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 20041.180+/-3.910 χ^2/NDF:4332074.2/22

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 16187.568+/-3.521 χ^2/NDF:8198185.8/21

Left: 17912.923+/-2.616 χ^2/NDF: 13066646.1/44

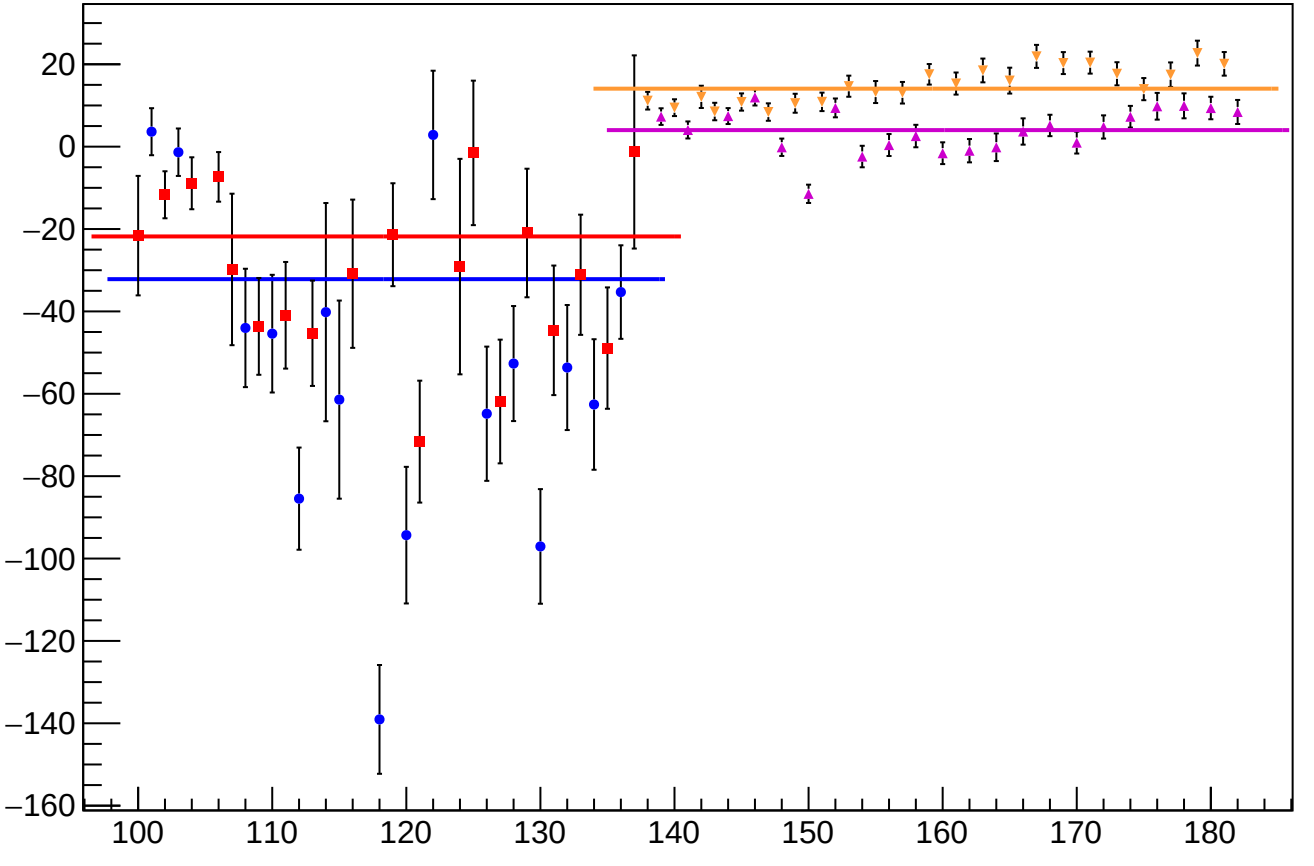
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 4072.772+/-1.150 χ^2/NDF:28232952.9/37

Out: 4424.842+/-1.223 χ^2/NDF:29998182.9/41

All: 4237.893+/-0.838 χ^2/NDF: 58275109.2/7

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 14.078+/-0.525 χ^2/NDF:68.0/22

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 4.015+/-0.533 χ^2/NDF:113.5/21

Left: 9.129+/-0.374 χ^2/NDF: 362.5/44

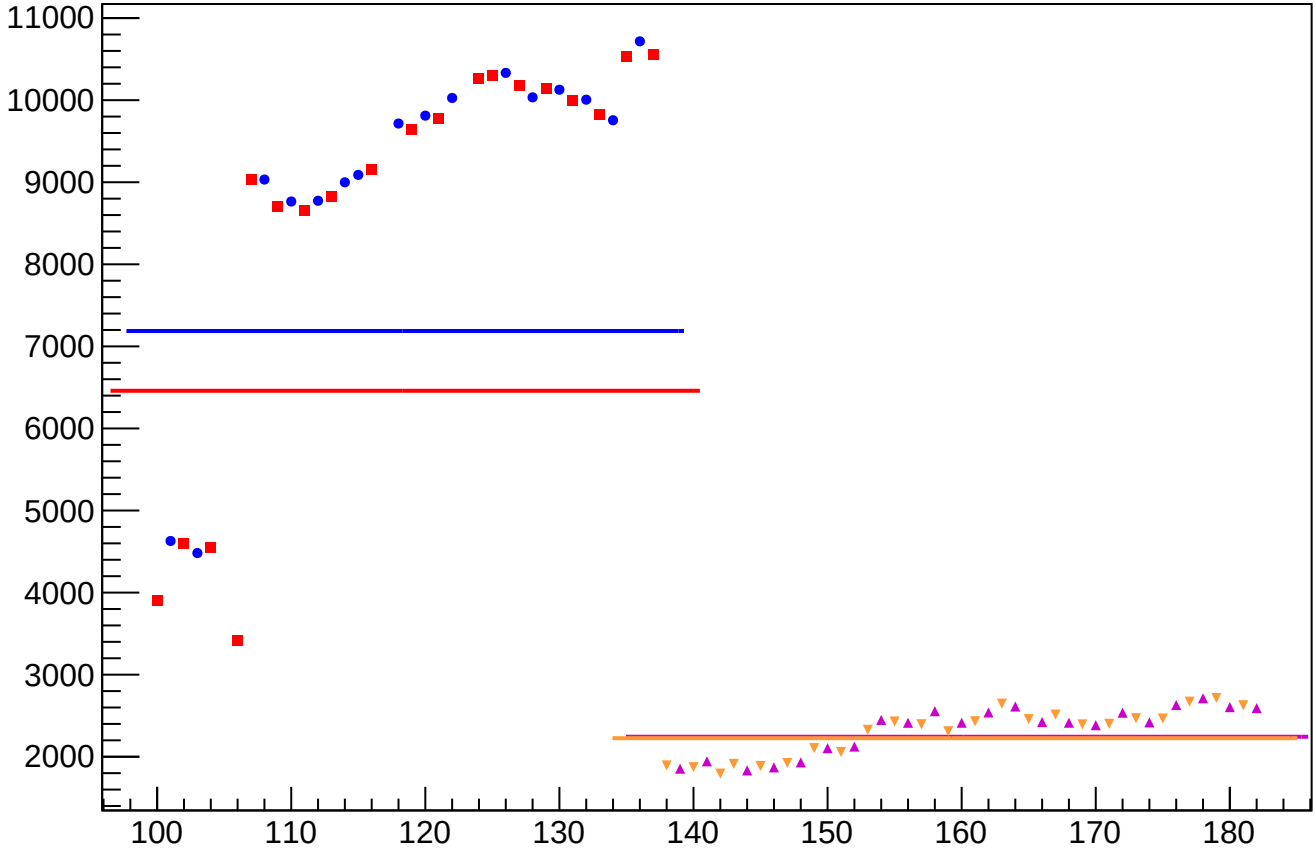
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 2.785+/-0.524 χ^2/NDF:477.9/37

Out: 12.630+/-0.514 χ^2/NDF:306.0/41

All: 7.804+/-0.367 χ^2/NDF: 963.8/79

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2225.985+/-0.371 χ^2/NDF:609083.9/22

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2243.683+/-0.377 χ^2/NDF:627989.3/21

Left: 2234.689+/-0.264 χ^2/NDF: 1238192.9/44

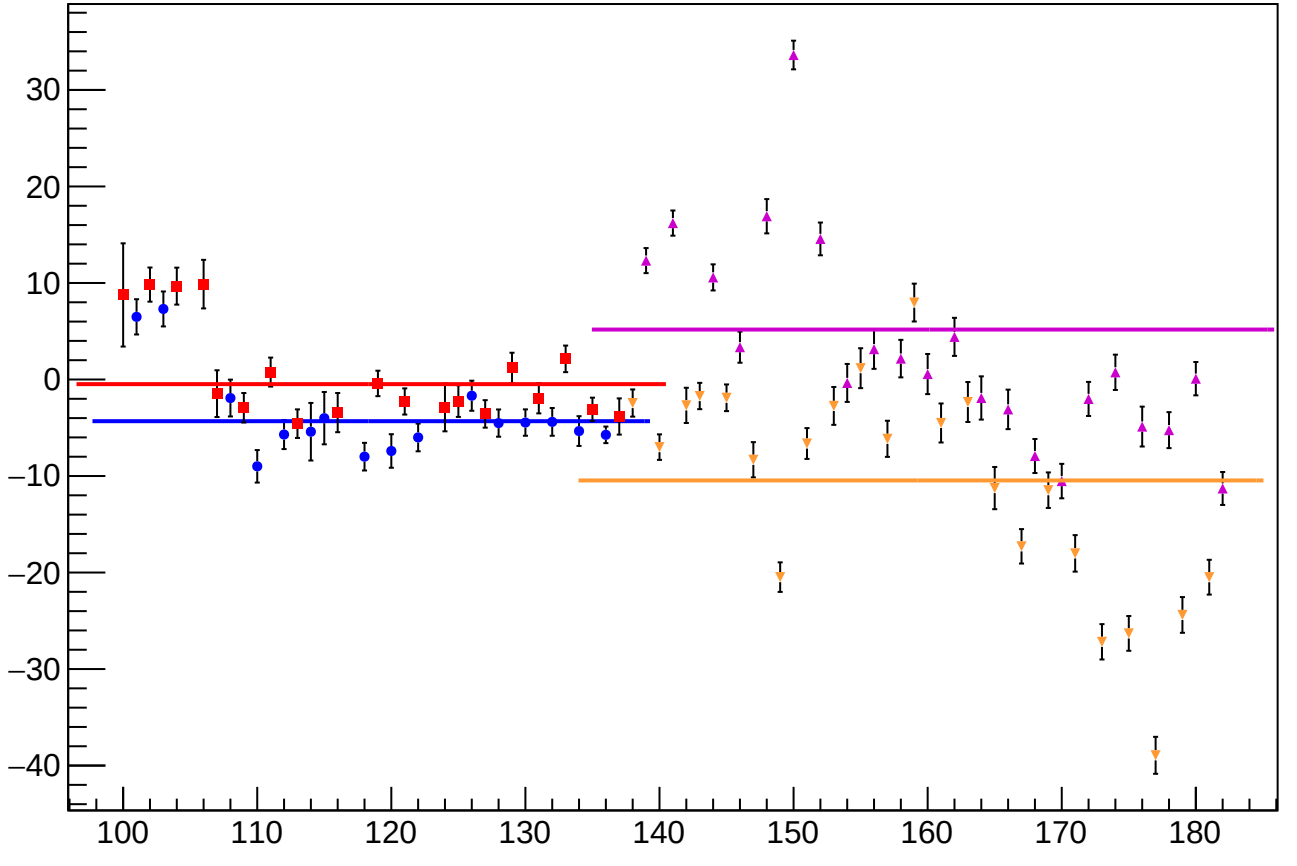
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2411.826+/-0.371 χ^2/NDF:8180990.3/37

Out: 2396.907+/-0.363 χ^2/NDF:8144682.3/41

All: 2404.220+/-0.259 χ^2/NDF: 16326499.0/7

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -10.459+/-0.362 χ^2/NDF:852.4/22

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 5.174+/-0.368 χ^2/NDF:914.5/21

Left: -2.785+/-0.258 χ^2/NDF: 2684.8/44

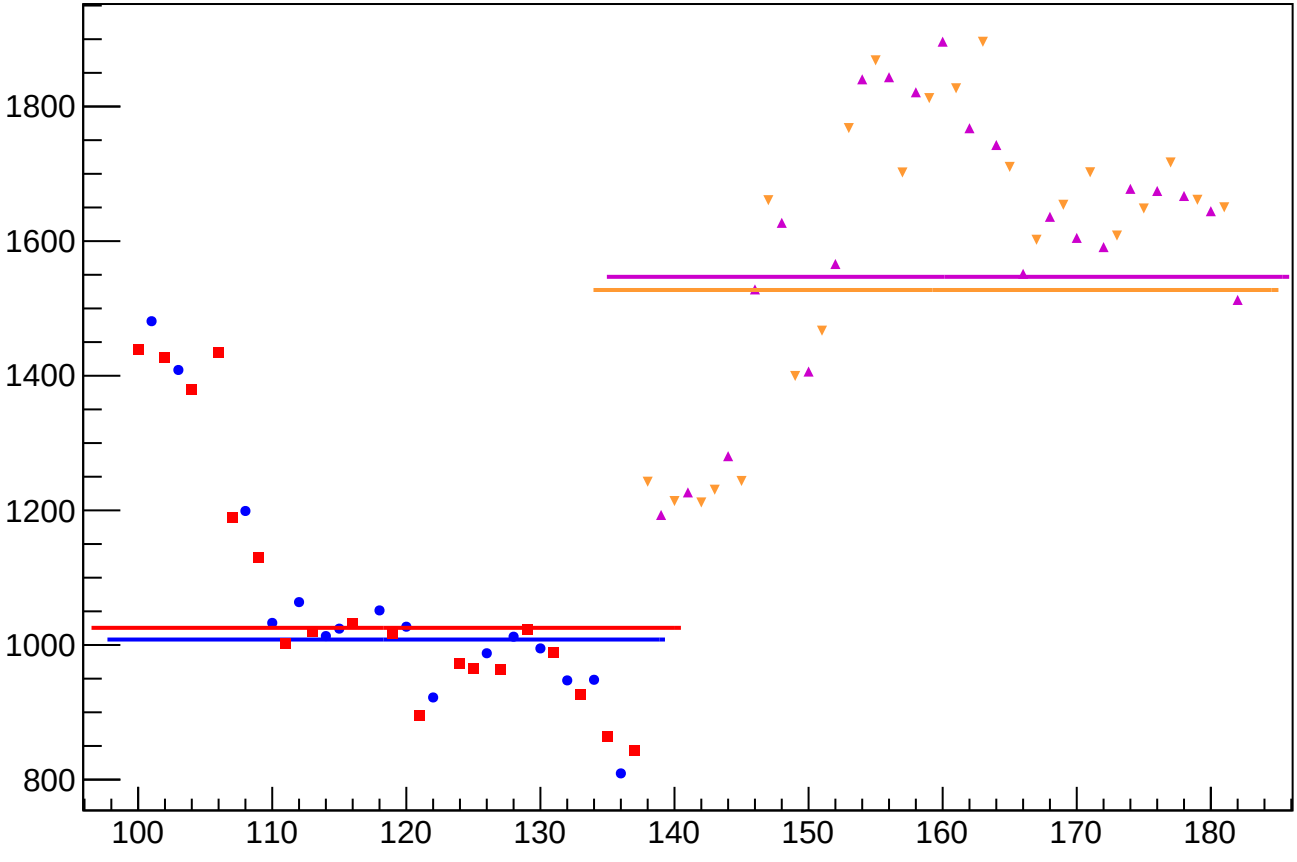
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 0.574+/-0.264 χ^2/NDF:1340.3/37

Out: -5.701+/-0.261 χ^2/NDF:1332.9/41

All: -2.597+/-0.186 χ^2/NDF: 2958.0/79

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1527.410+/-0.256 χ^2/NDF:808472.0/22

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1546.977+/-0.260 χ^2/NDF:634430.8/21

Left: 1537.015+/-0.182 χ^2/NDF: 1445778.4/44

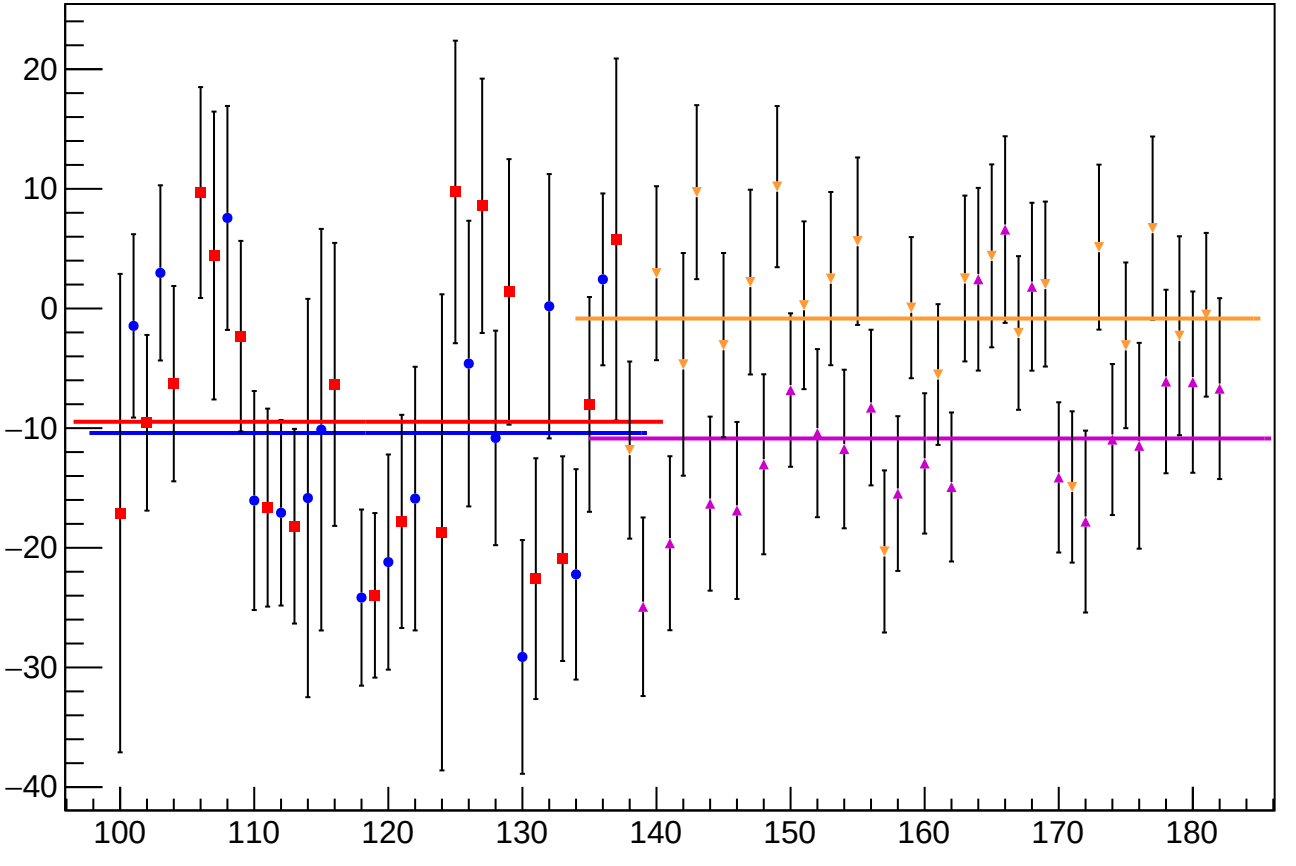
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1285.860+/-0.187 χ^2/NDF:3089007.5/37

Out: 1288.049+/-0.185 χ^2/NDF:2992742.7/41

All: 1286.966+/-0.131 χ^2/NDF: 6081819.5/79

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.838+/-1.465 χ^2/NDF:25.4/22

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -10.863+/-1.493 χ^2/NDF:21.4/21

Left: -5.757+/-1.046 χ^2/NDF: 69.8/44

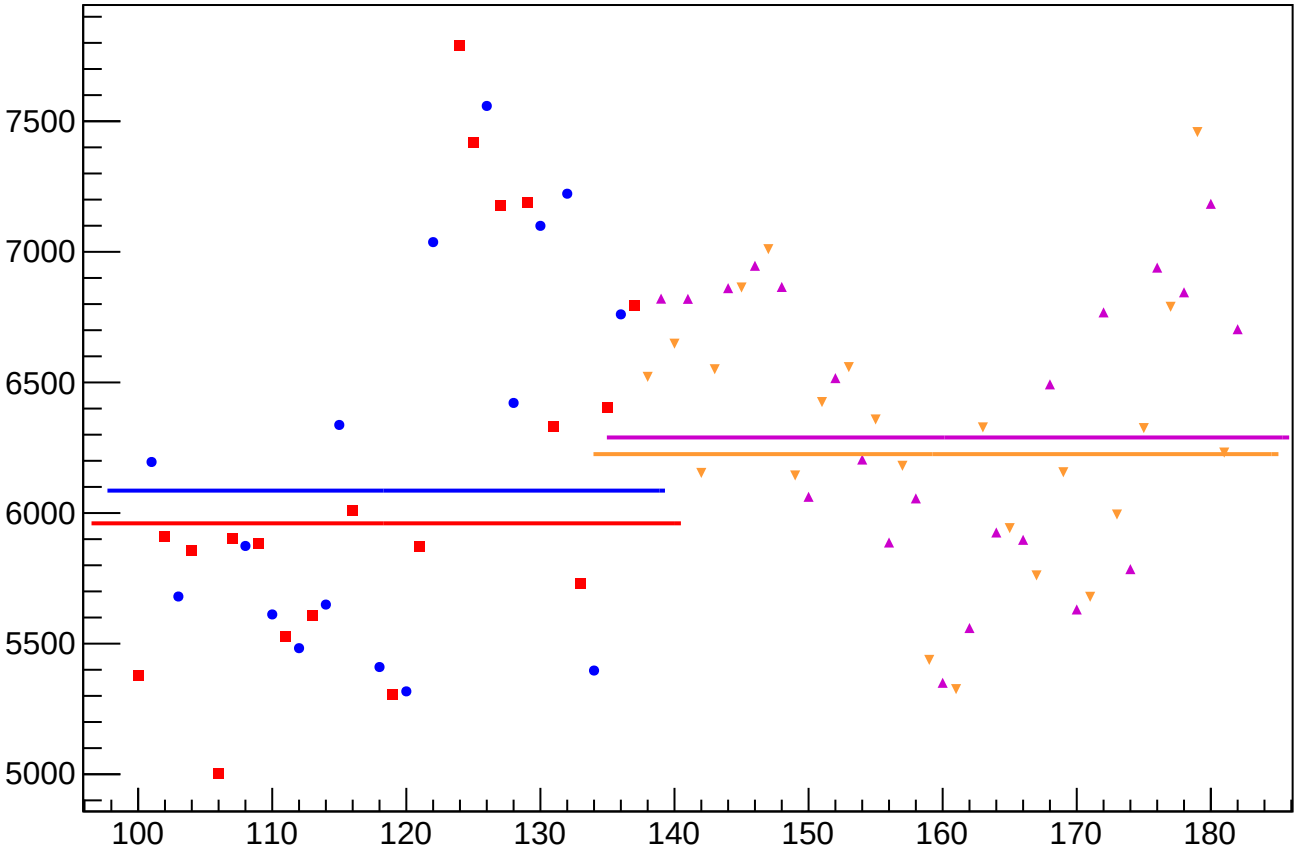
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -10.725+/-1.249 χ^2/NDF:46.1/37

Out: -3.505+/-1.218 χ^2/NDF:61.5/41

All: -7.025+/-0.872 χ^2/NDF: 124.7/79

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6225.573+/-1.036 χ^2/NDF:224150.0/22

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6289.351+/-1.056 χ^2/NDF:264435.4/21

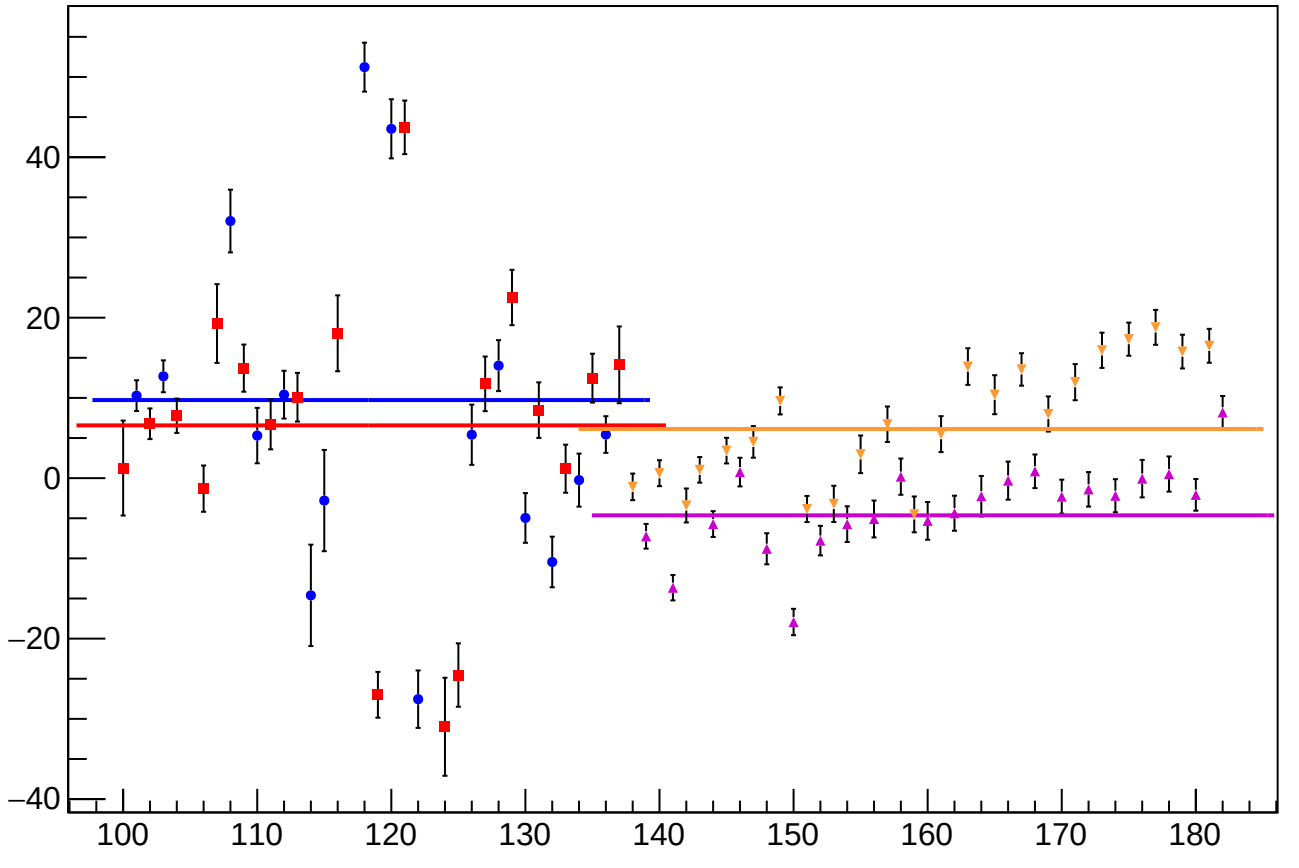
Left: 6256.869+/-0.740 χ^2/NDF: 490444.2/44

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6228.286+/-0.883 χ^2/NDF:454702.9/37

Out: 6143.670+/-0.861 χ^2/NDF:407131.9/41

All: 6184.918+/-0.617 χ^2/NDF: 866539.3/79



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 6.128+/-0.414 χ^2/NDF:312.1/22

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -4.635+/-0.424 χ^2/NDF:189.6/21

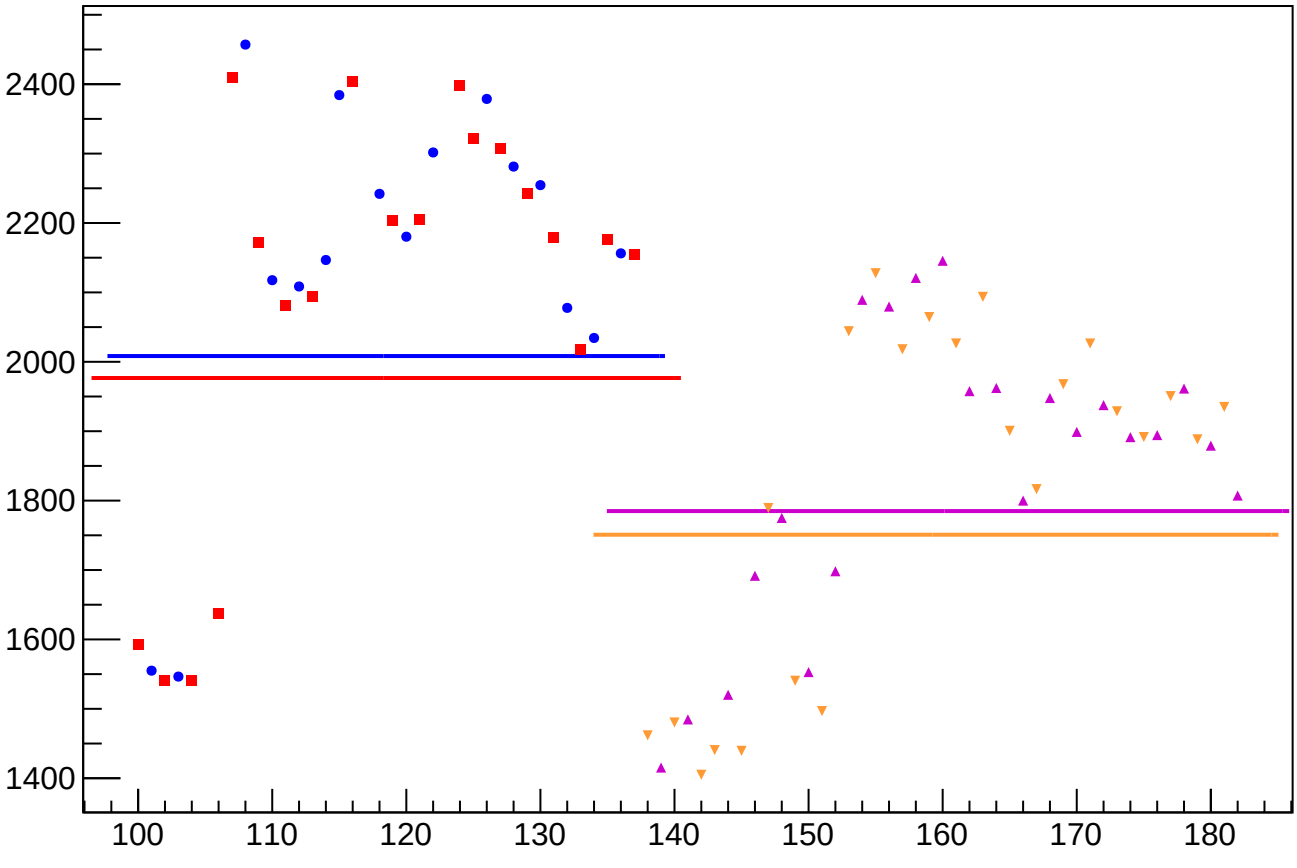
Left: 0.879+/-0.296 χ^2/NDF: 831.6/44

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.188+/-0.370 χ^2/NDF:977.3/37

Out: 6.237+/-0.360 χ^2/NDF:736.2/41

All: 2.623+/-0.258 χ^2/NDF: 1920.4/79



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1750.844+/-0.293 χ^2/NDF:753979.9/22

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1784.937+/-0.300 χ^2/NDF:530918.7/21

Left: 1767.472+/-0.209 χ^2/NDF: 1291518.0/44

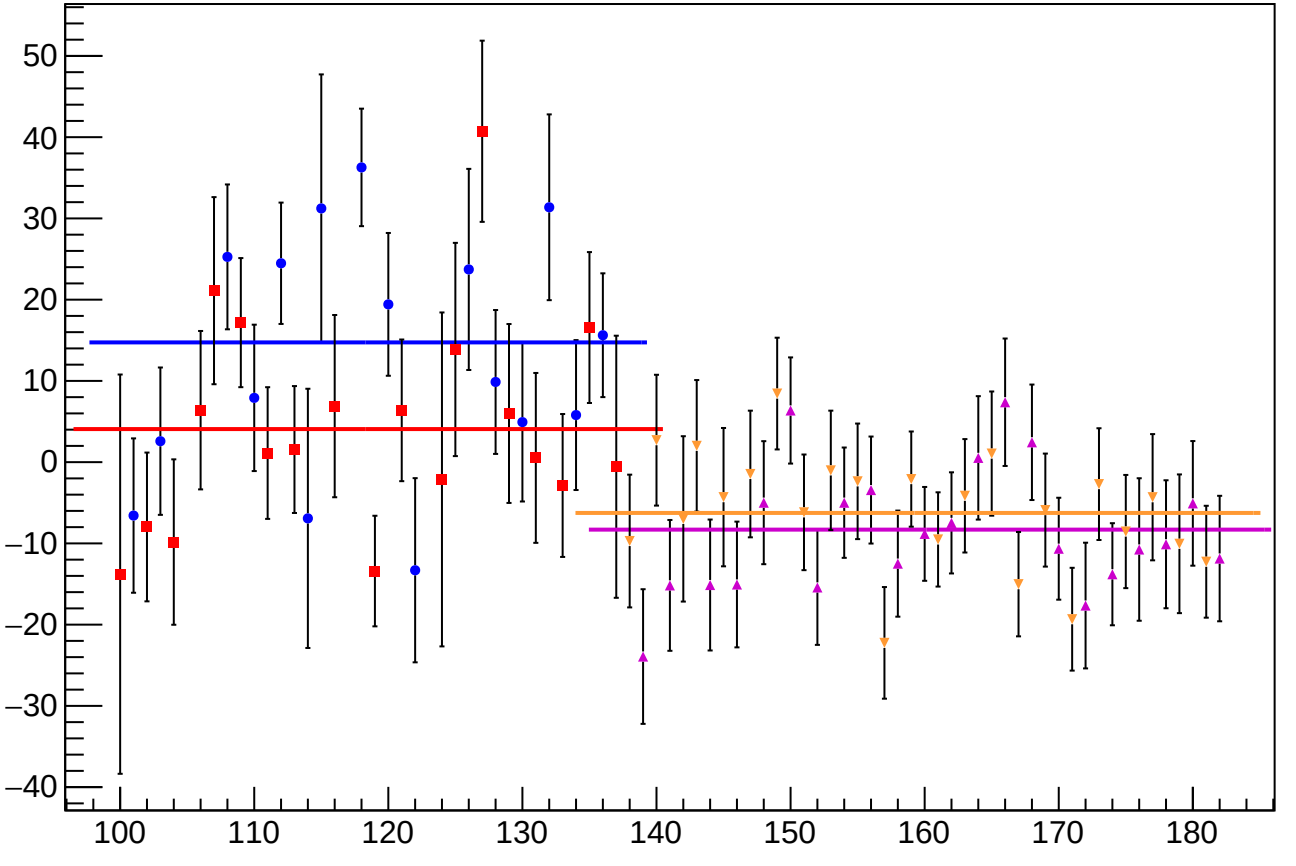
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1838.526+/-0.261 χ^2/NDF:1008378.2/37

Out: 1805.736+/-0.255 χ^2/NDF:1264106.7/41

All: 1821.695+/-0.182 χ^2/NDF: 2280557.4/79

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -6.251+/-1.498 χ^2/NDF:23.0/22

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -8.305+/-1.524 χ^2/NDF:23.7/21

Left: -7.261+/-1.068 χ^2/NDF: 47.7/44

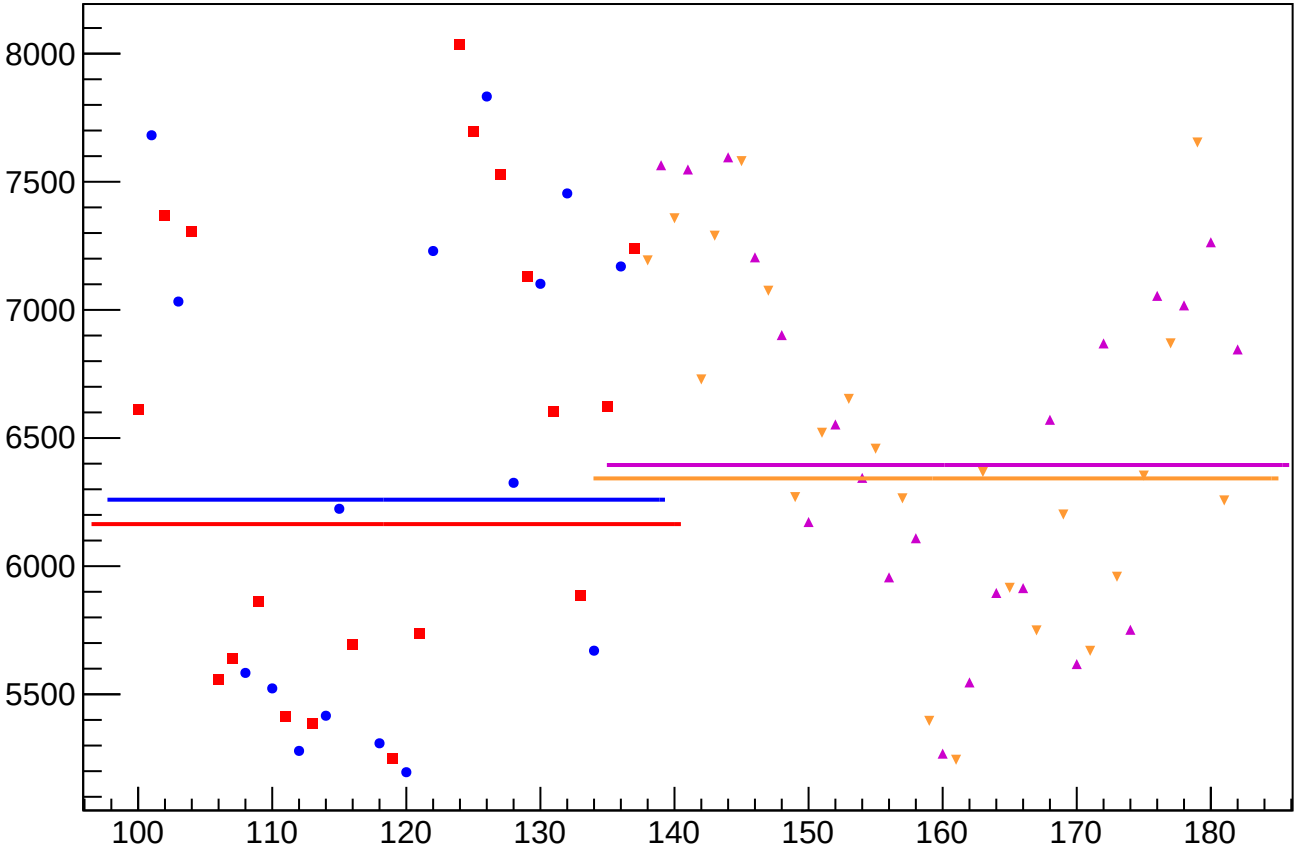
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: -1.515+/-1.280 χ^2/NDF:124.7/37

Out: -3.126+/-1.251 χ^2/NDF:67.6/41

All: -2.339+/-0.895 χ^2/NDF: 193.1/79

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6342.430+/-1.059 χ^2/NDF:382951.2/22

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6394.767+/-1.077 χ^2/NDF:418394.2/21

Left: 6368.158+/-0.755 χ^2/NDF: 802544.9/44

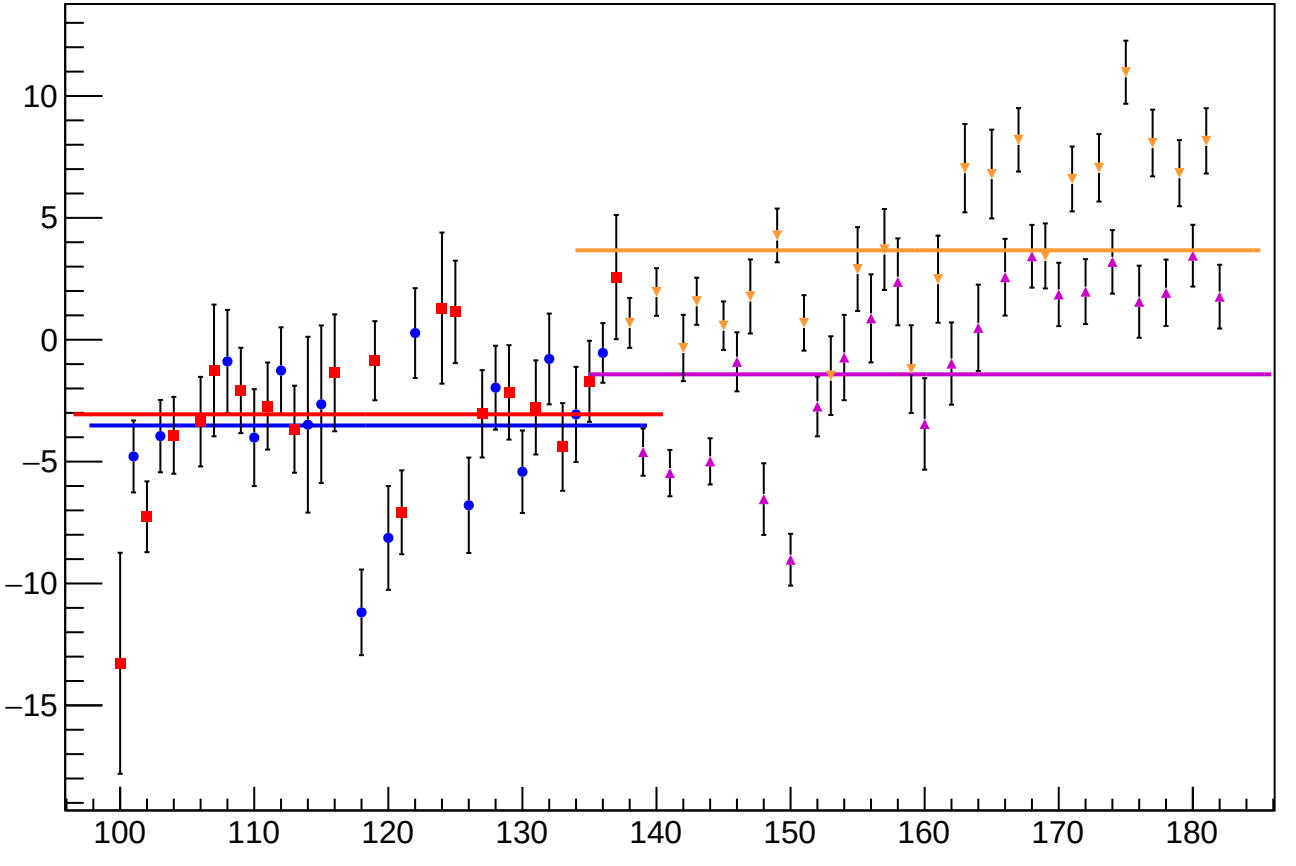
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6354.887+/-0.905 χ^2/NDF:731650.5/37

Out: 6288.451+/-0.885 χ^2/NDF:656583.7/41

All: 6320.917+/-0.633 χ^2/NDF: 1390990.2/79

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 3.669+/-0.273 χ^2/NDF:149.6/22

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -1.419+/-0.279 χ^2/NDF:193.3/21

Left: 1.183+/-0.195 χ^2/NDF: 512.7/44

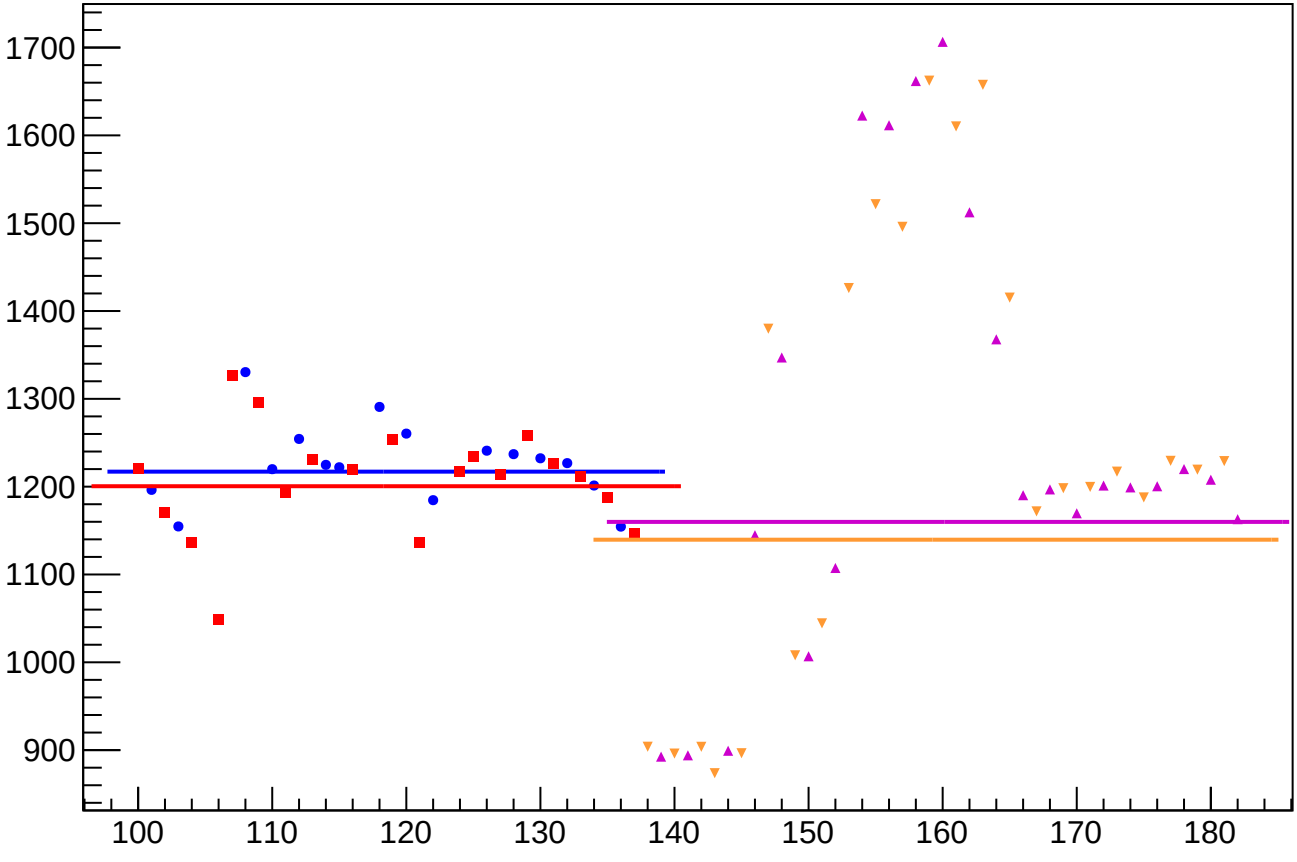
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -1.998+/-0.238 χ^2/NDF:253.9/37

Out: 1.790+/-0.232 χ^2/NDF:354.2/41

All: -0.056+/-0.166 χ^2/NDF: 738.4/79

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1139.603+/-0.193 χ^2/NDF:1467017.6/22

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1159.871+/-0.197 χ^2/NDF:1259513.6/21

Left: 1149.506+/-0.138 χ^2/NDF: 2731923.2/44

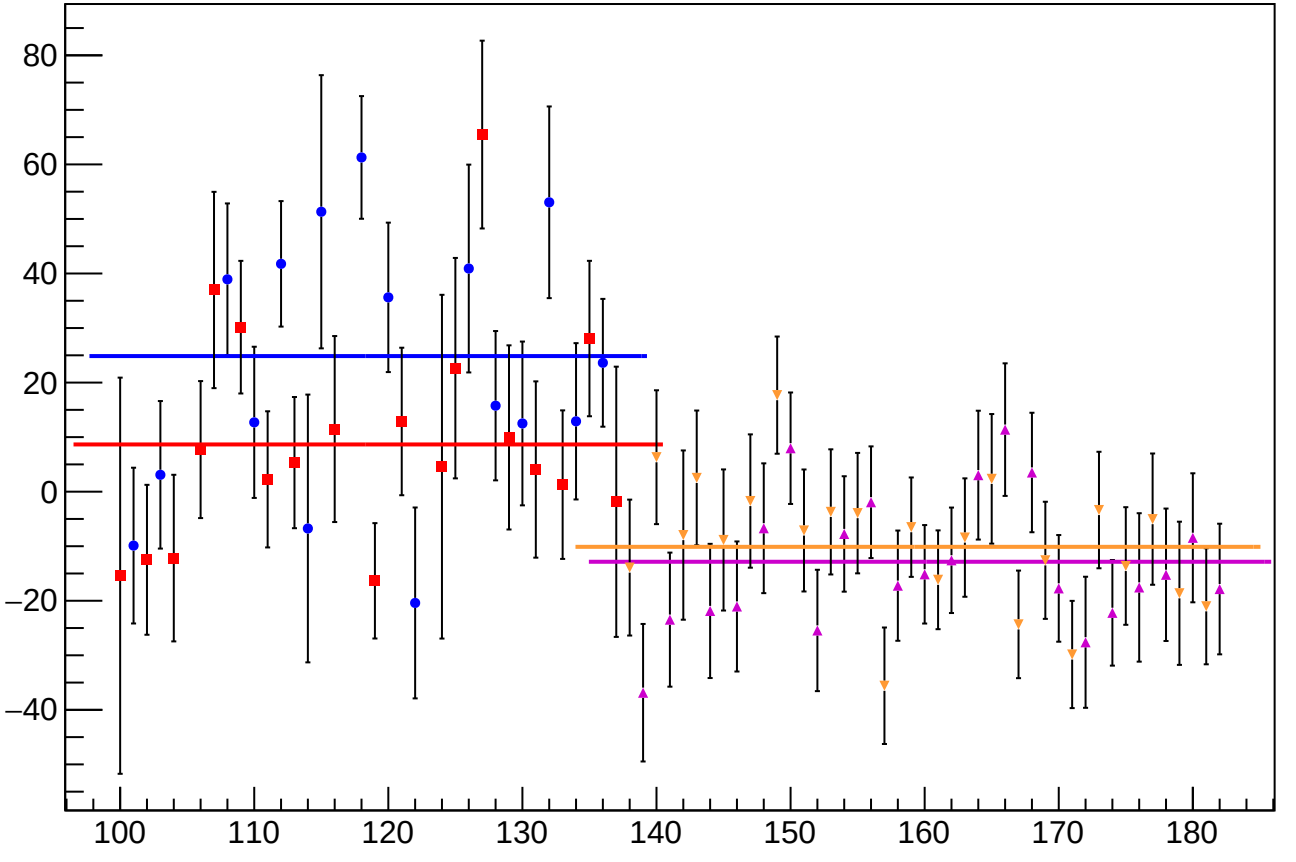
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1175.649+/-0.168 χ^2/NDF:1304375.0/37

Out: 1156.607+/-0.164 χ^2/NDF:1532490.4/41

All: 1165.888+/-0.117 χ^2/NDF: 2843452.3/79

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -10.113+/-2.320 χ^2/NDF:26.6/22

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -12.851+/-2.363 χ^2/NDF:23.9/21

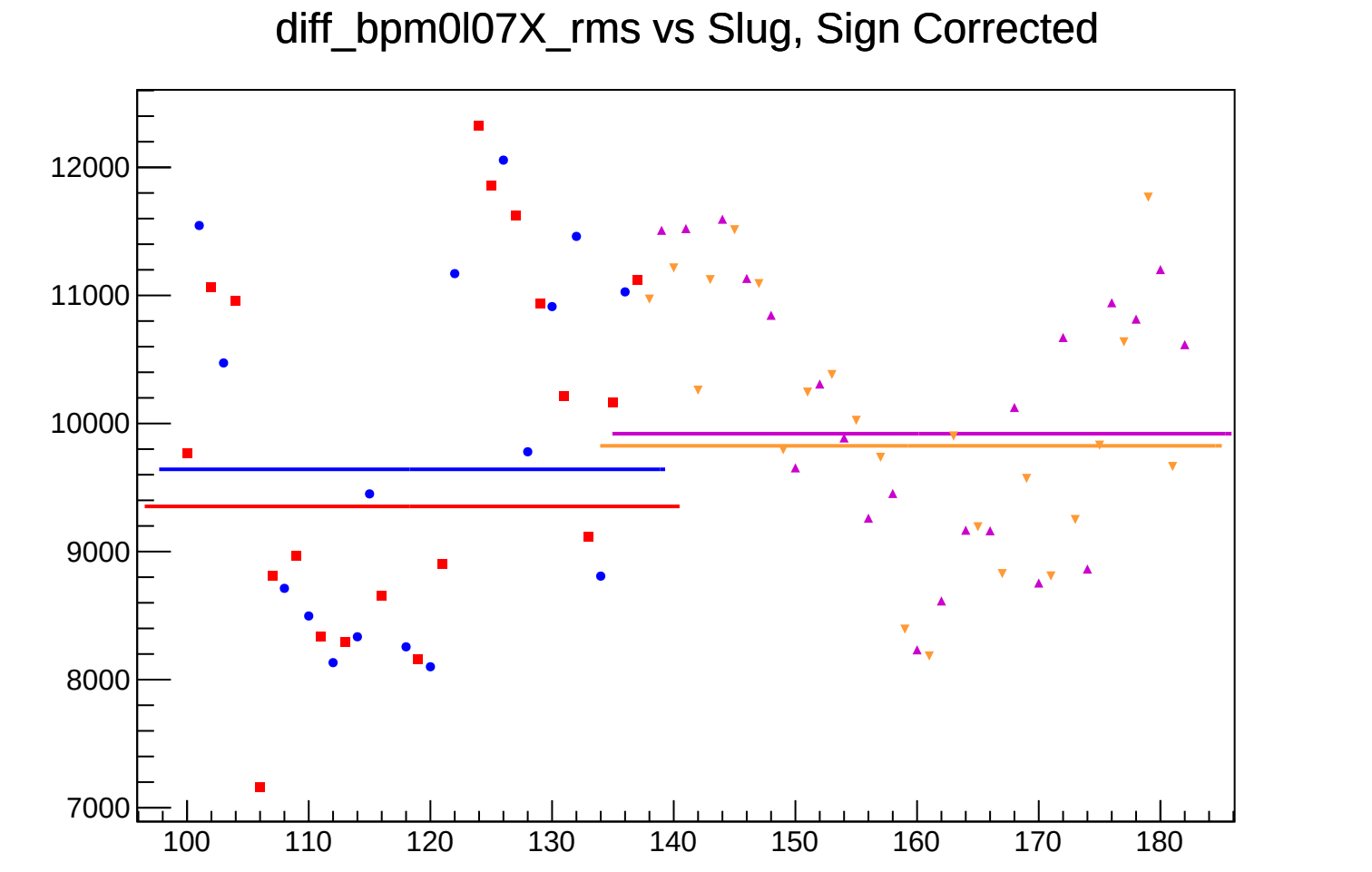
Left: -11.457+/-1.656 χ^2/NDF: 51.1/44

Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

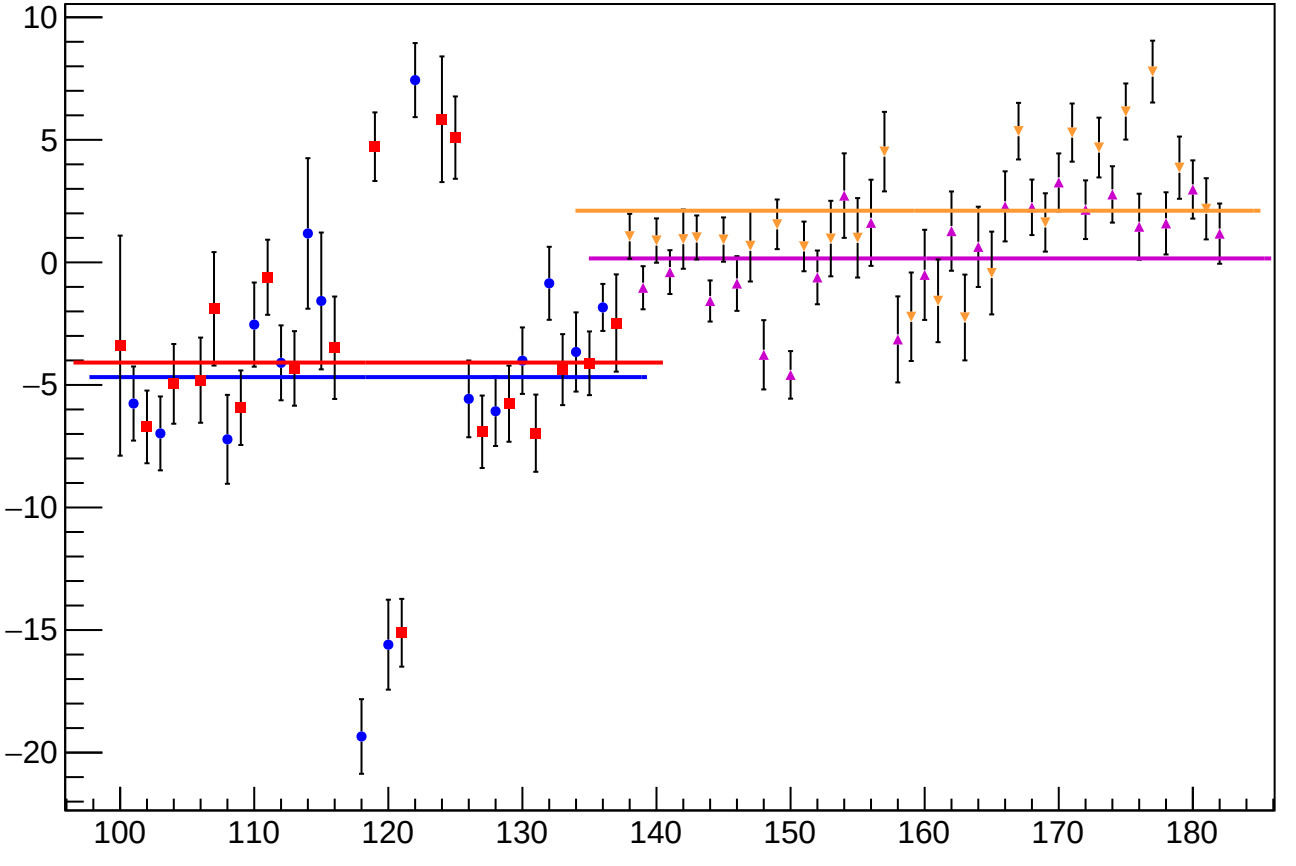
In: -1.620+/-1.980 χ^2/NDF:137.9/37

Out: -4.275+/-1.926 χ^2/NDF:77.1/41

All: -2.984+/-1.381 χ^2/NDF: 215.9/79


diff_bpm0l07X_rms vs Slug, Sign Corrected
12000
11000
10000
9000
8000
7000
100
110
120
130
140
150
160
170
180
Right In: 9642.075+/-2.565 χ²/NDF: 279657.4/15
Left Out: 9825.673+/-1.641 χ²/NDF:352834.2/22
Right Out: 9352.503+/-2.442 χ²/NDF: 301779.3/18
Left In: 9920.353+/-1.671 χ²/NDF:387395.4/21
Left: 9872.159+/-1.171 χ²/NDF: 741864.4/44
Right: 9490.167+/-1.769 χ²/NDF: 588120.8/34
In: 9837.480+/-1.400 χ²/NDF:675315.5/37
Out: 9678.512+/-1.362 χ²/NDF:680478.2/41
All: 9755.808+/-0.976 χ²/NDF: 1362418.2/79

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 2.109+/-0.250 χ^2/NDF:87.1/22

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: 0.161+/-0.257 χ^2/NDF:75.6/21

Left: 1.161+/-0.179 χ^2/NDF: 192.2/44

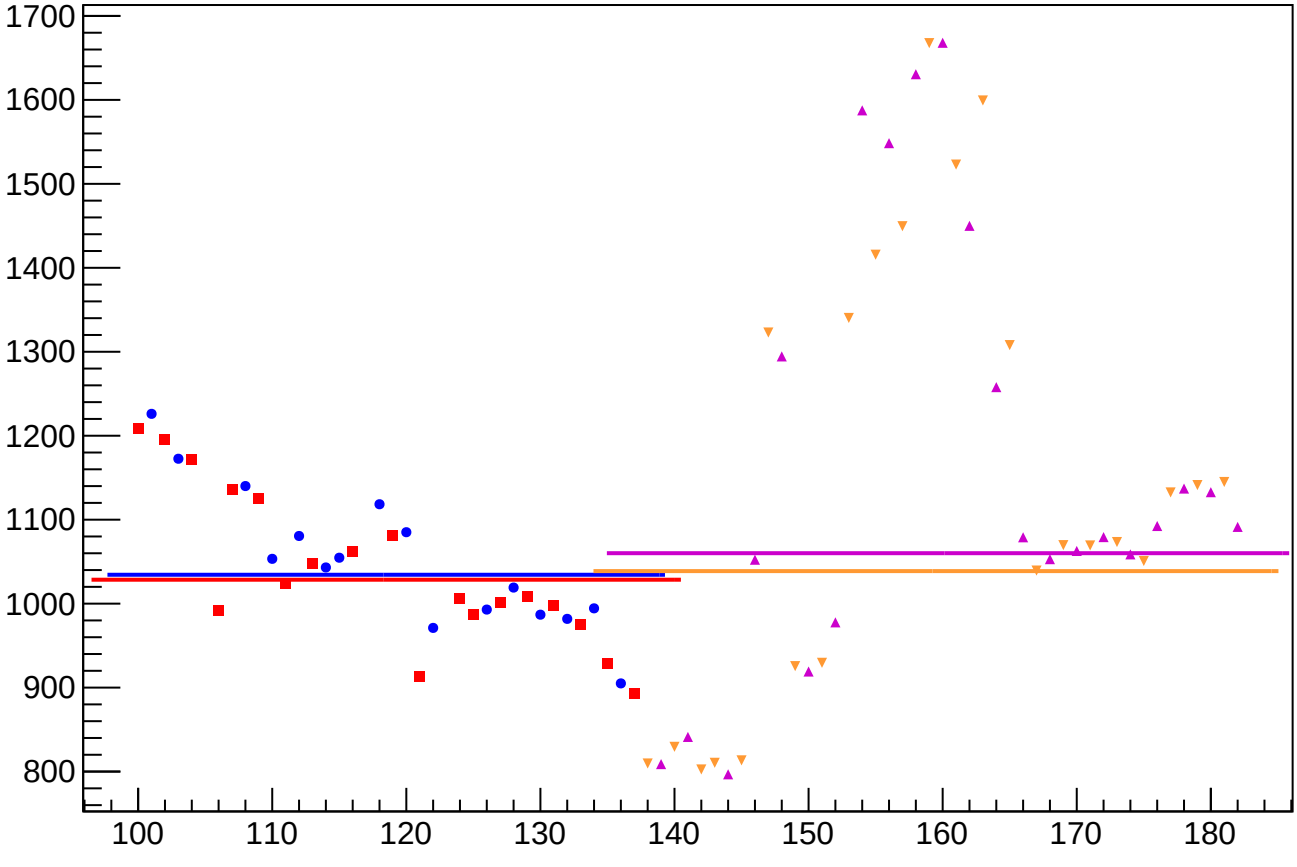
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -1.324+/-0.214 χ^2/NDF:405.9/37

Out: 0.212+/-0.208 χ^2/NDF:443.2/41

All: -0.536+/-0.149 χ^2/NDF: 875.6/79

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1038.758+/-0.177 χ^2/NDF:1706572.9/22

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1060.088+/-0.181 χ^2/NDF:1523209.9/21

Left: 1049.142+/-0.127 χ^2/NDF: 3236870.9/44

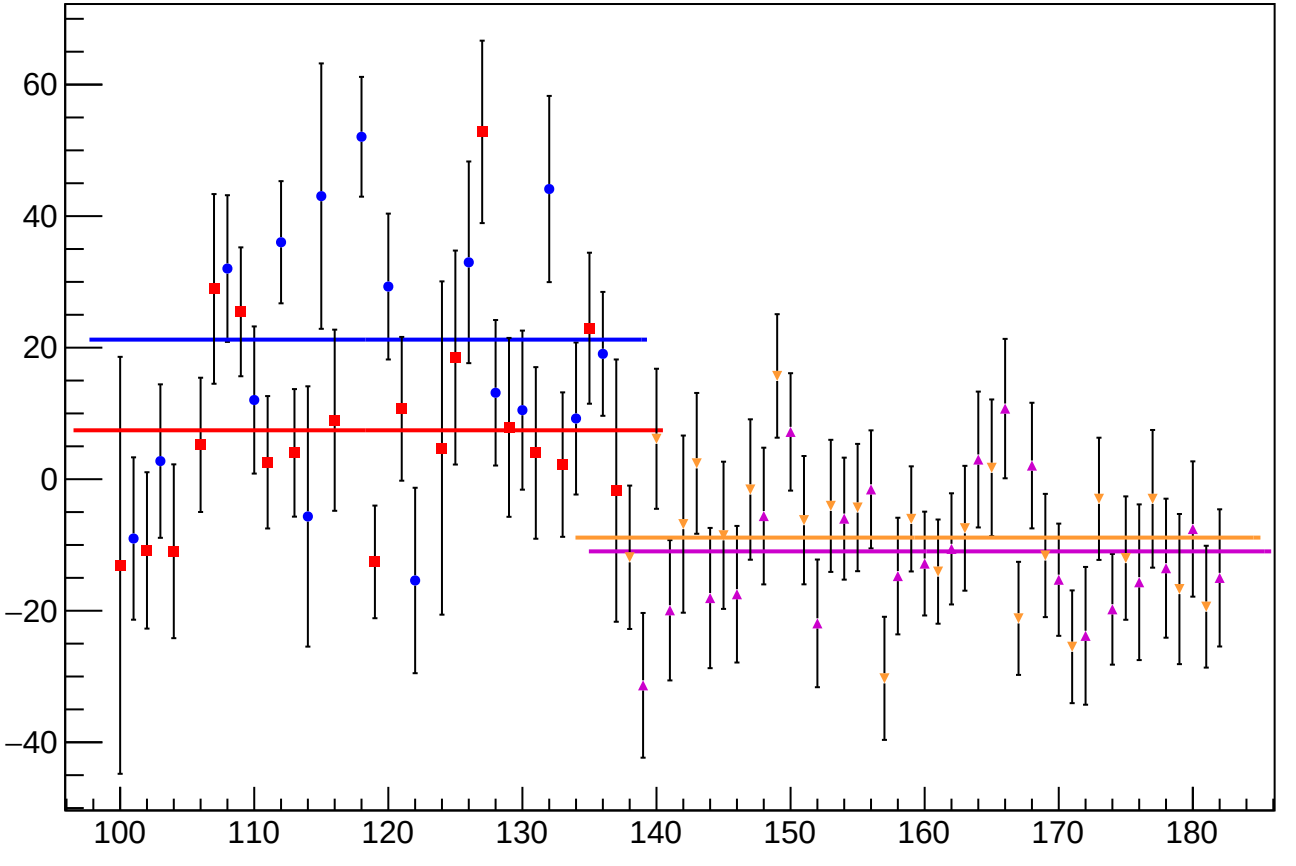
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1052.207+/-0.151 χ^2/NDF:1642634.0/37

Out: 1035.618+/-0.147 χ^2/NDF:1809228.2/41

All: 1043.698+/-0.105 χ^2/NDF: 3458043.9/79

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -8.878+/-2.025 χ^2/NDF:26.4/22

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -10.974+/-2.062 χ^2/NDF:23.5/21

Left: -9.907+/-1.444 χ^2/NDF: 50.4/44

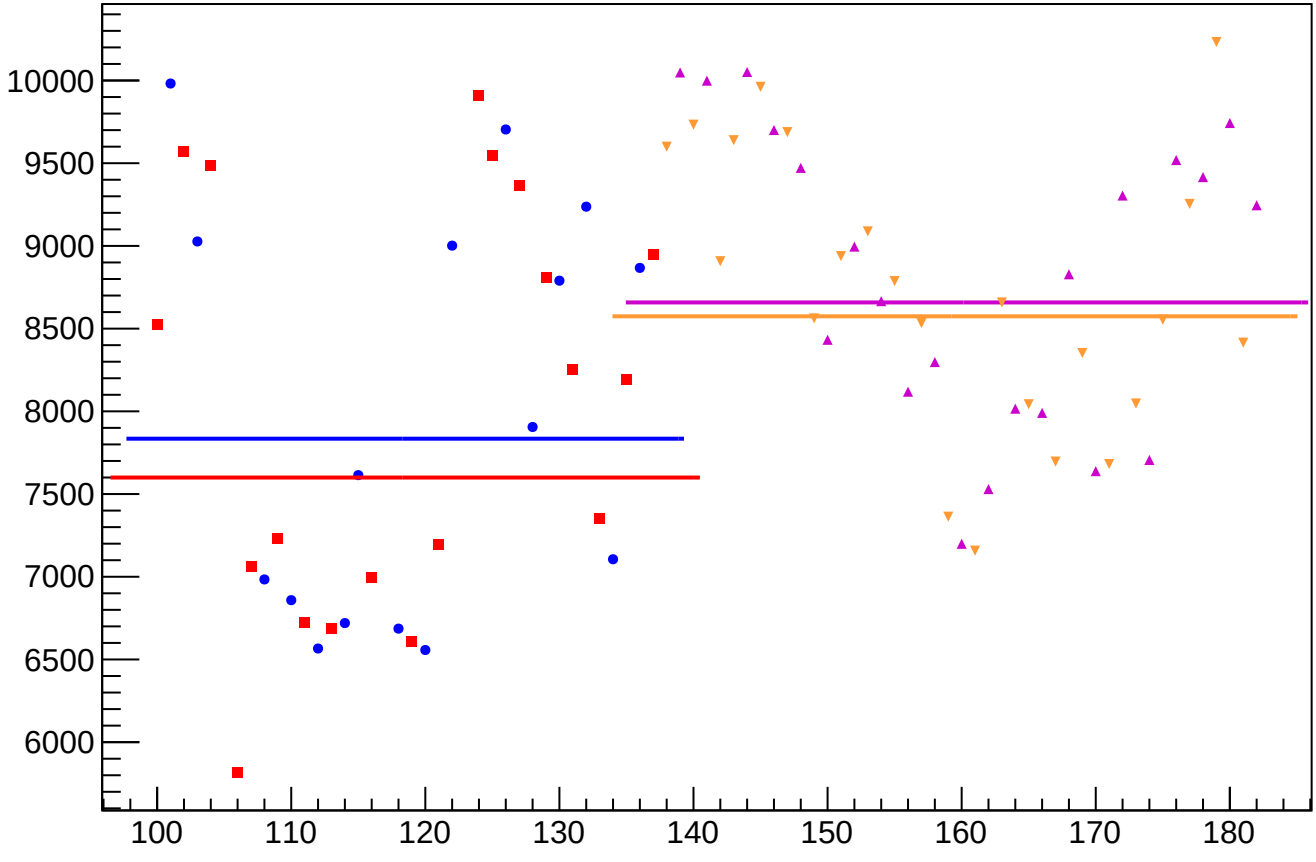
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: -0.419+/-1.690 χ^2/NDF:143.5/37

Out: -3.305+/-1.643 χ^2/NDF:78.3/41

All: -1.903+/-1.178 χ^2/NDF: 223.4/79

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8574.498+/-1.432 χ^2/NDF:340548.3/22

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8658.332+/-1.458 χ^2/NDF:375816.1/21

Left: 8615.655+/-1.021 χ^2/NDF: 718048.1/44

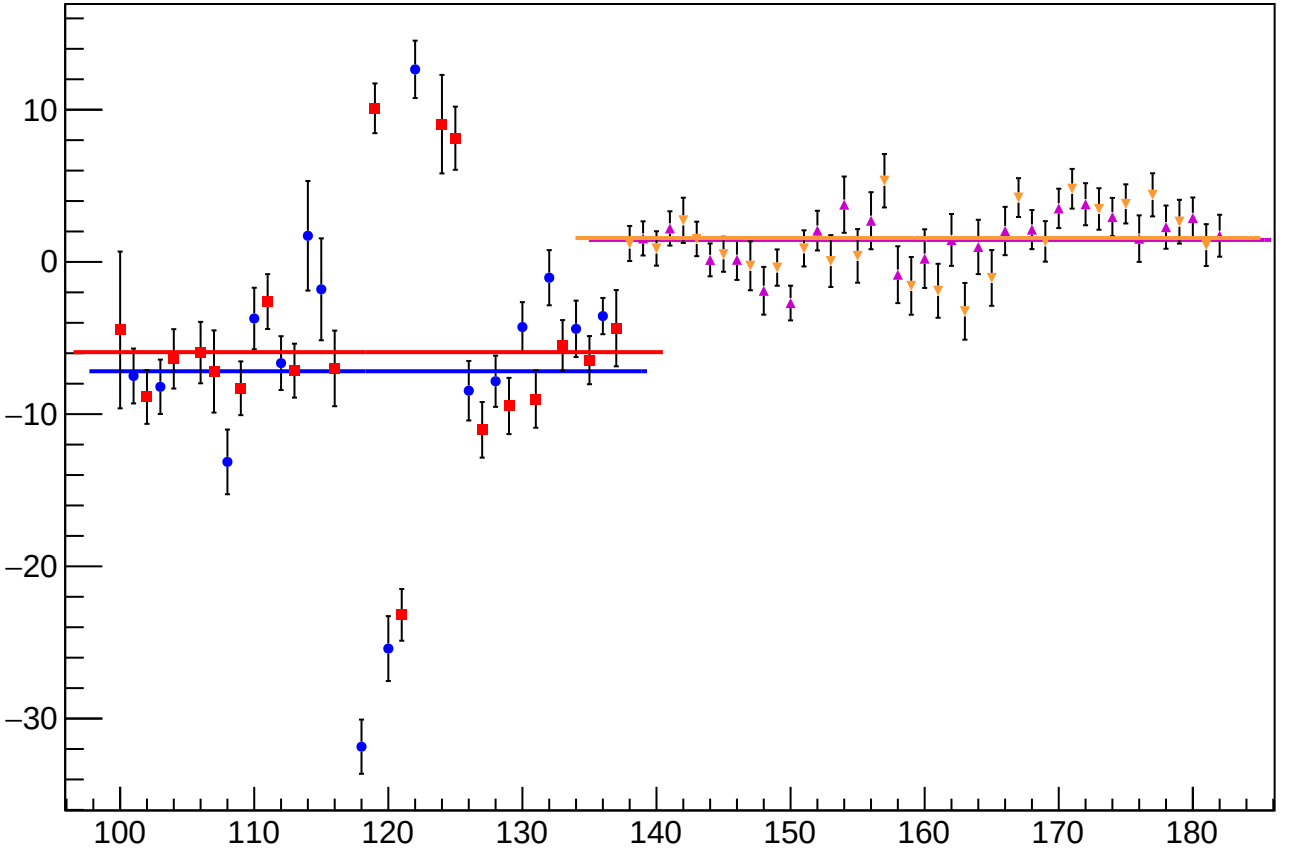
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8388.271+/-1.195 χ^2/NDF:798587.5/37

Out: 8241.467+/-1.162 χ^2/NDF:843247.2/41

All: 8312.777+/-0.833 χ^2/NDF: 1649593.9/79

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.568+/-0.290 χ^2/NDF:47.5/22

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.445+/-0.297 χ^2/NDF:33.7/21

Left: 1.508+/-0.207 χ^2/NDF: 81.4/44

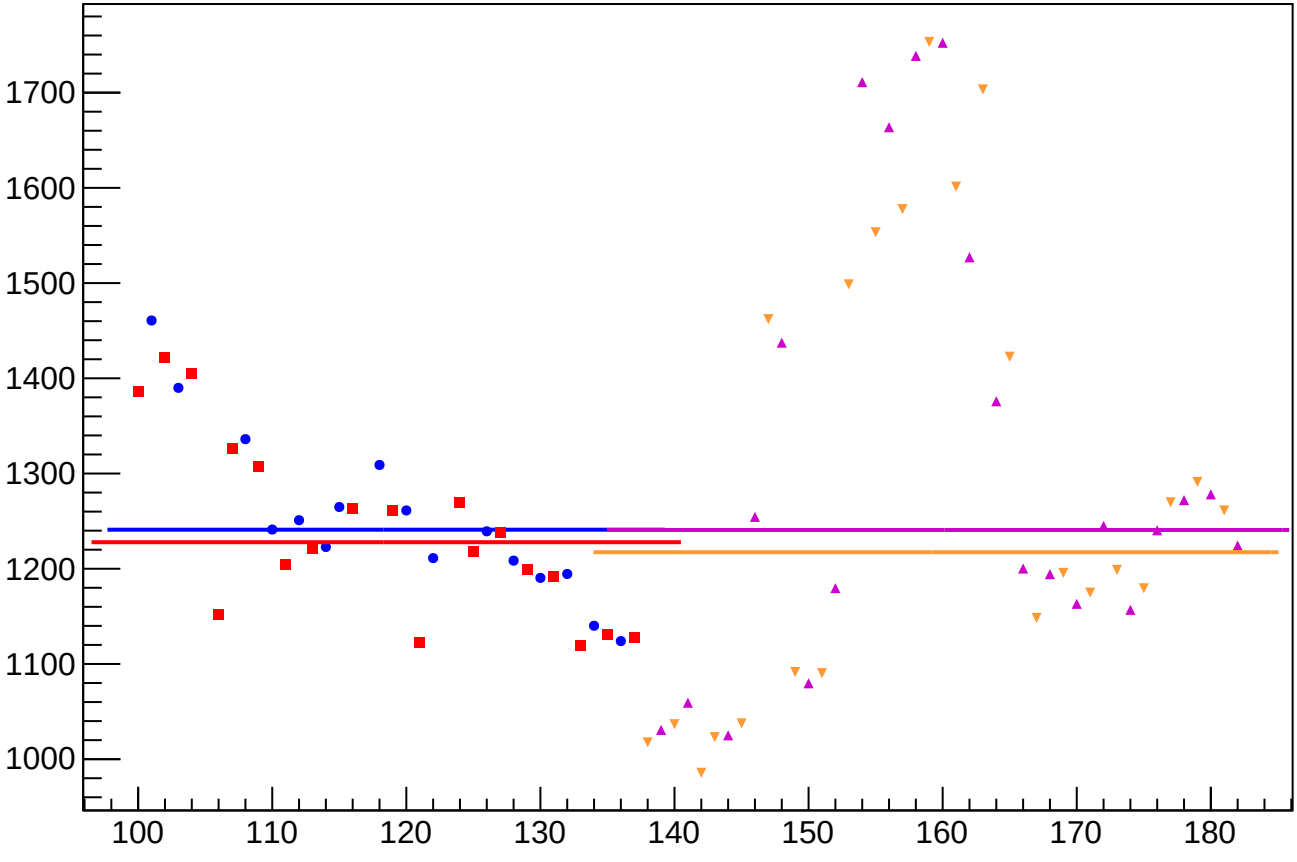
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -1.077+/-0.250 χ^2/NDF:702.4/37

Out: -0.634+/-0.243 χ^2/NDF:534.6/41

All: -0.849+/-0.174 χ^2/NDF: 1238.6/79

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1217.364+/-0.205 χ^2/NDF:1005898.9/22

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1240.709+/-0.210 χ^2/NDF:882801.7/21

Left: 1228.740+/-0.147 χ^2/NDF: 1895030.7/44

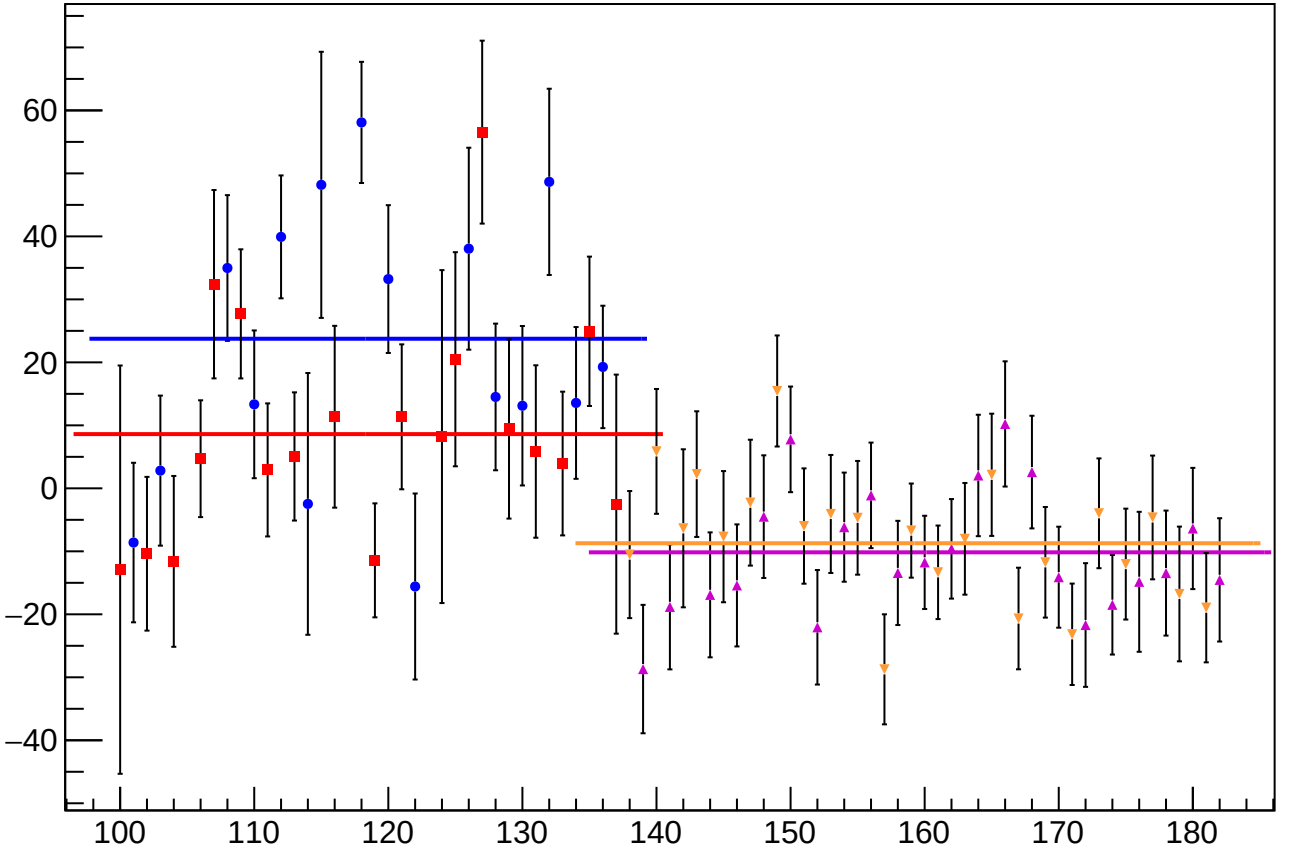
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1240.796+/-0.177 χ^2/NDF:963455.8/37

Out: 1220.448+/-0.172 χ^2/NDF:1089010.0/41

All: 1230.354+/-0.123 χ^2/NDF: 2059267.8/79

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -8.713+/-1.894 χ^2/NDF:27.0/22

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -10.159+/-1.929 χ^2/NDF:24.3/21

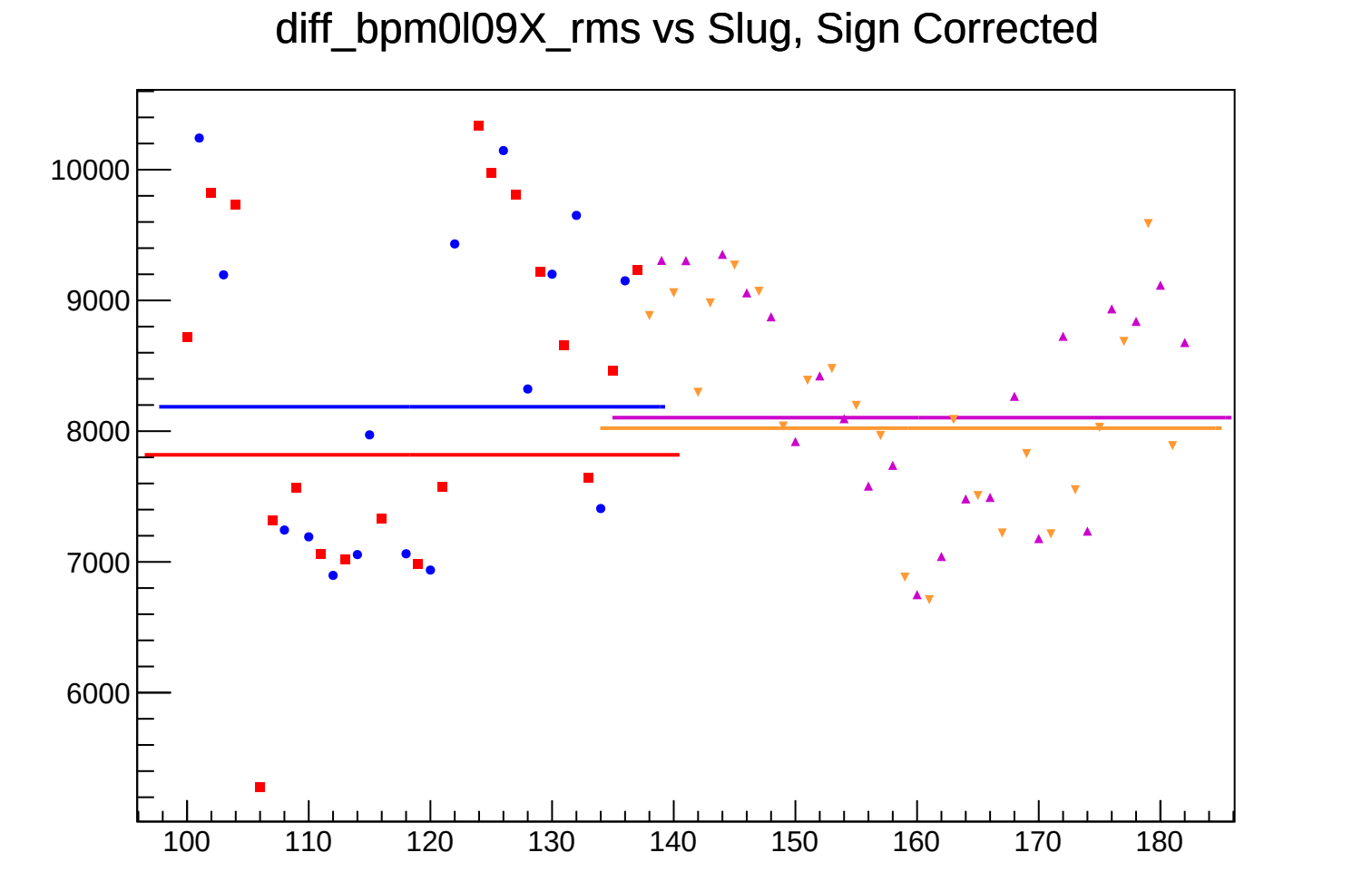
Left: -9.423+/-1.351 χ^2/NDF: 51.5/44

Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

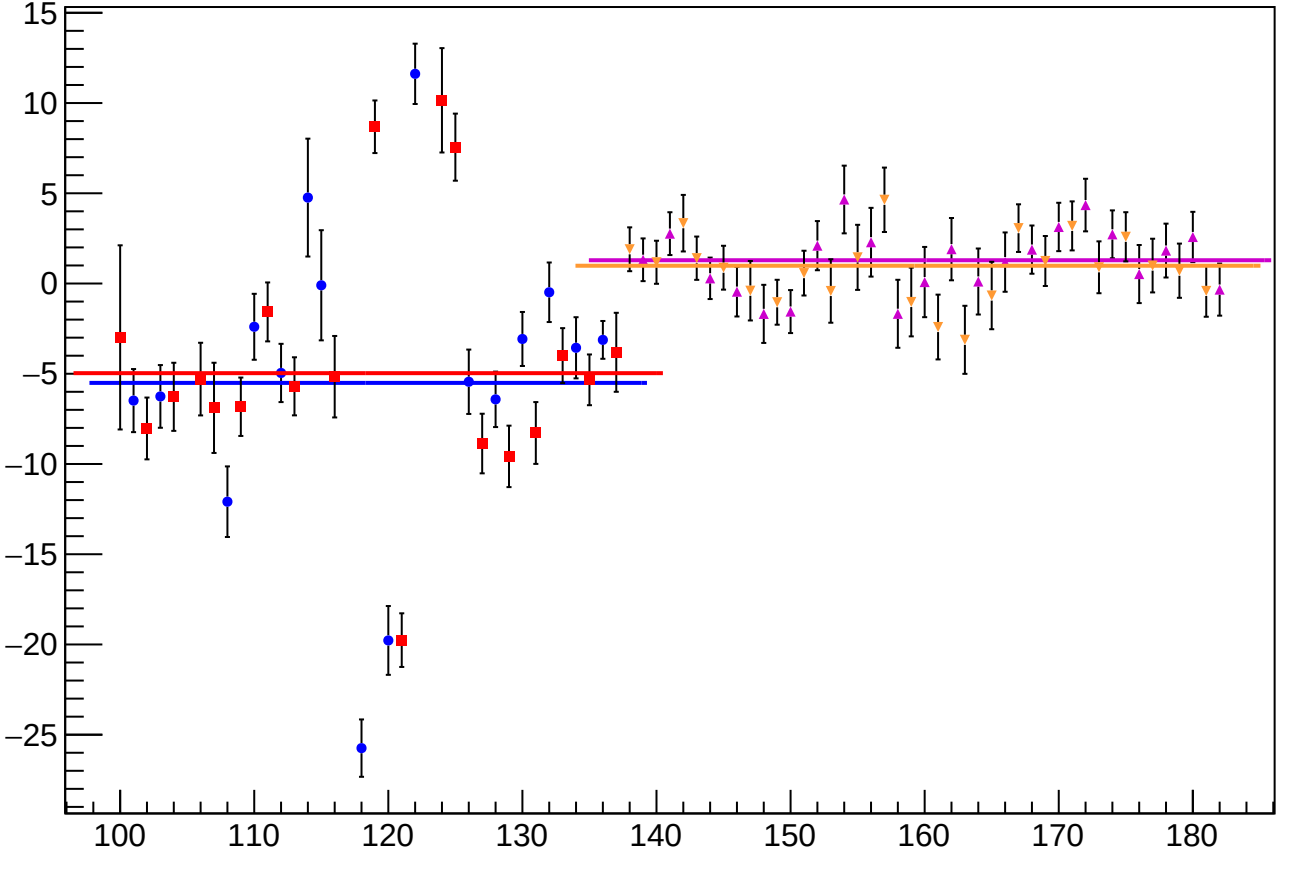
In: -0.612+/-1.635 χ^2/NDF:154.7/37

Out: -3.532+/-1.585 χ^2/NDF:82.5/41

All: -2.117+/-1.138 χ^2/NDF: 238.8/79


diff_bpm0l09X_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
100
110
120
130
140
150
160
170
180
Right In: 8186.361+/-2.179 χ²/NDF: 290628.8/15
Left Out: 8022.826+/-1.339 χ²/NDF:329149.0/22
Right Out: 7818.965+/-2.050 χ²/NDF: 422998.1/18
Left In: 8103.346+/-1.364 χ²/NDF:365581.1/21
Left: 8062.346+/-0.956 χ²/NDF: 696504.5/44
Right: 7991.468+/-1.493 χ²/NDF: 728709.0/34
In: 8126.719+/-1.156 χ²/NDF:657252.8/37
Out: 7961.849+/-1.121 χ²/NDF:759078.9/41
All: 8041.748+/-0.805 χ²/NDF: 1426812.2/79

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.985+/-0.302 χ^2/NDF:29.1/22

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 1.290+/-0.310 χ^2/NDF:30.4/21

Left: 1.134+/-0.216 χ^2/NDF: 60.0/44

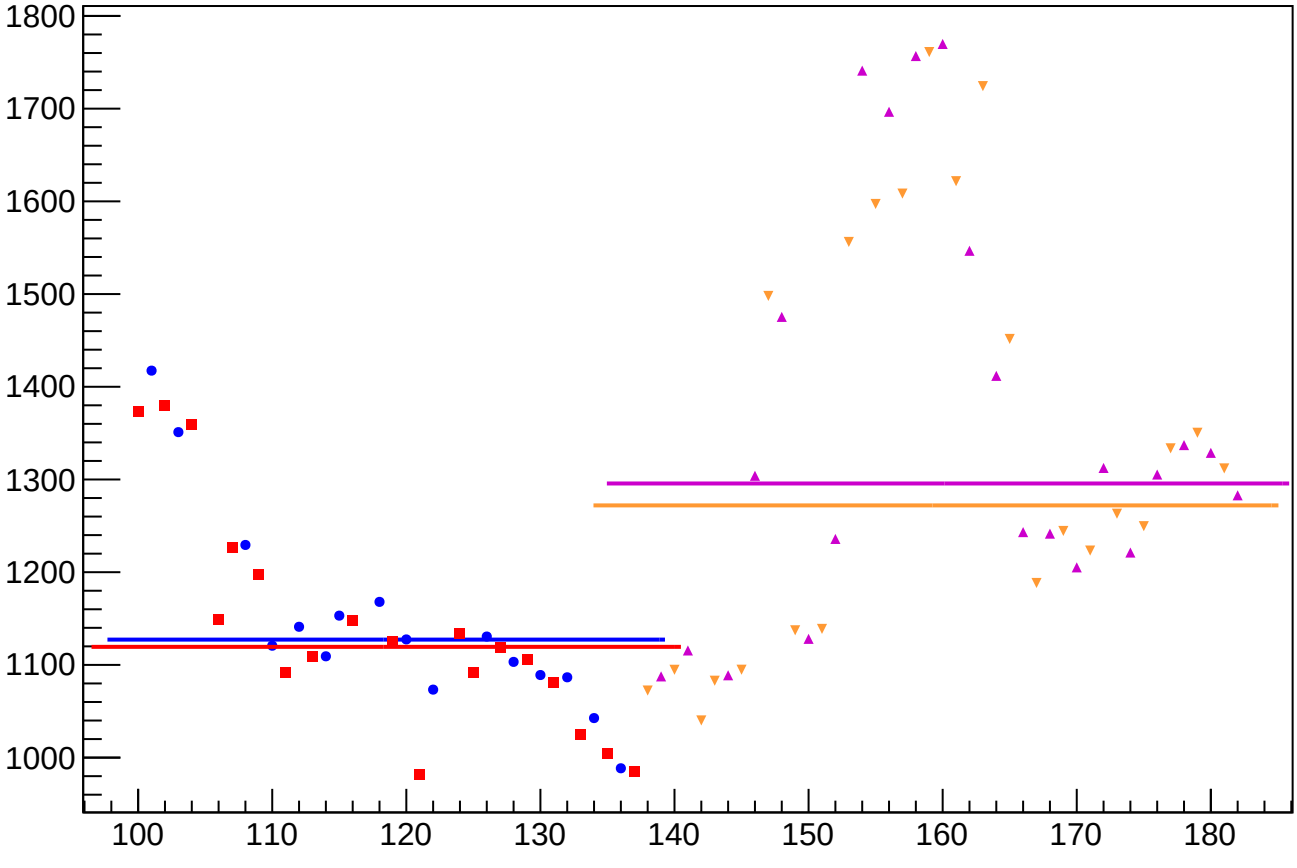
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -1.096+/-0.249 χ^2/NDF:569.4/37

Out: -1.106+/-0.243 χ^2/NDF:452.9/41

All: -1.101+/-0.174 χ^2/NDF: 1022.3/79

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1272.052+/-0.214 χ^2/NDF:870534.4/22

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1295.690+/-0.219 χ^2/NDF:755337.1/21

Left: 1283.578+/-0.153 χ^2/NDF: 1631848.2/44

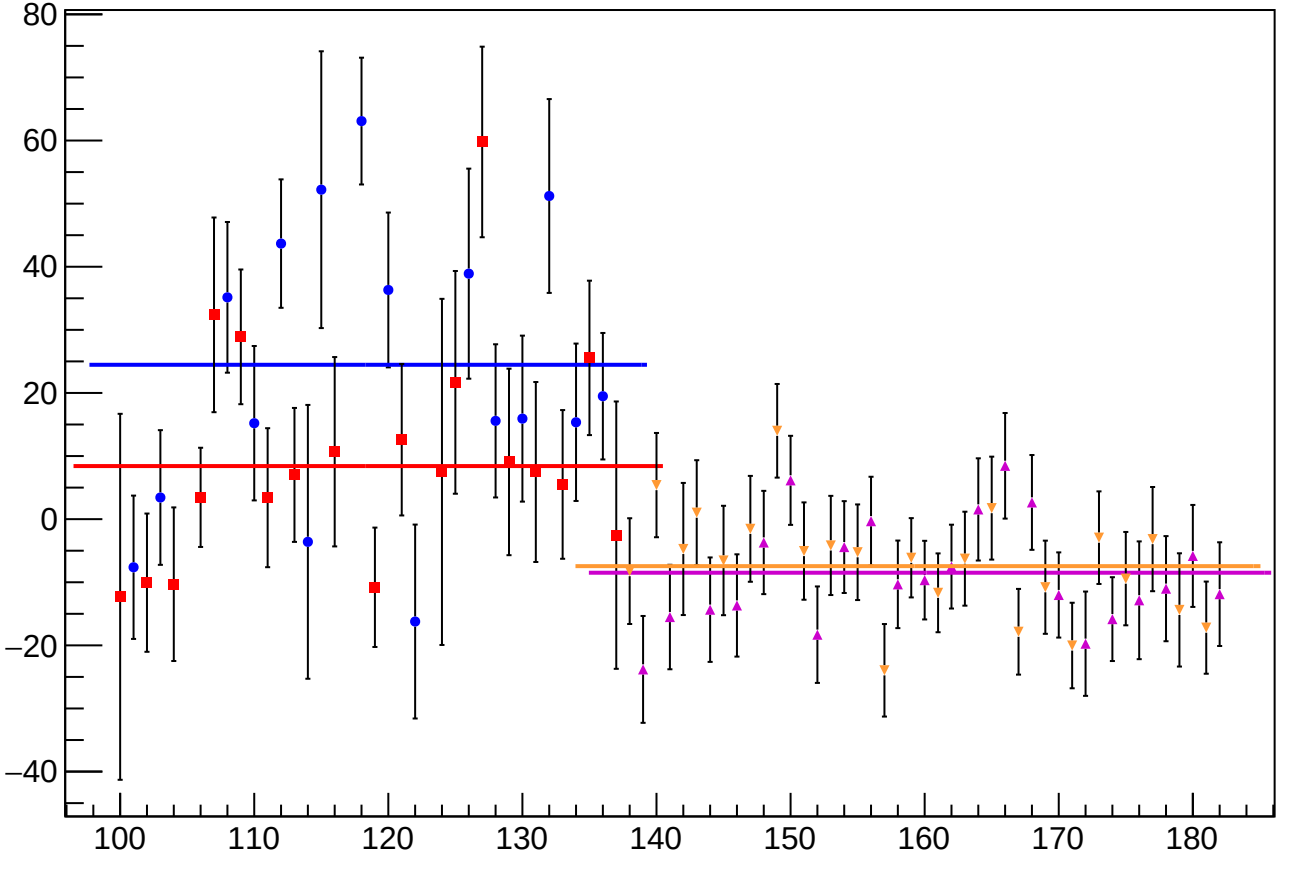
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1236.578+/-0.176 χ^2/NDF:1103751.0/37

Out: 1218.459+/-0.172 χ^2/NDF:1190666.4/41

All: 1227.292+/-0.123 χ^2/NDF: 2299829.4/79

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -7.446+/-1.590 χ^2/NDF:28.7/22

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -8.489+/-1.620 χ^2/NDF:24.8/21

Left: -7.958+/-1.134 χ^2/NDF: 53.7/44

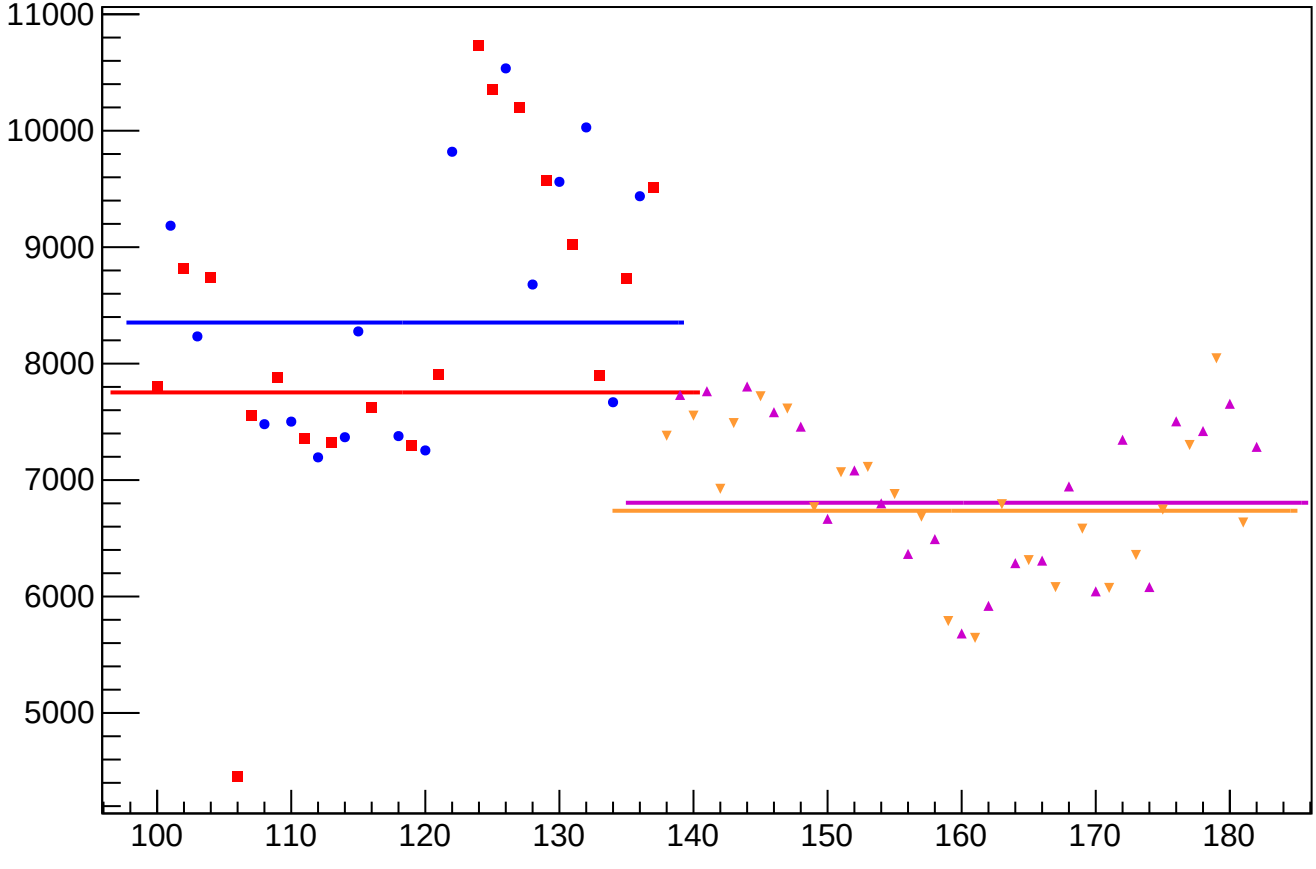
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: -1.552+/-1.439 χ^2/NDF:160.2/37

Out: -3.764+/-1.393 χ^2/NDF:82.9/41

All: -2.694+/-1.001 χ^2/NDF: 244.4/79

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6736.463+/-1.124 χ^2/NDF:313448.5/22

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6805.242+/-1.145 χ^2/NDF:351395.4/21

Left: 6770.214+/-0.802 χ^2/NDF: 666681.0/44

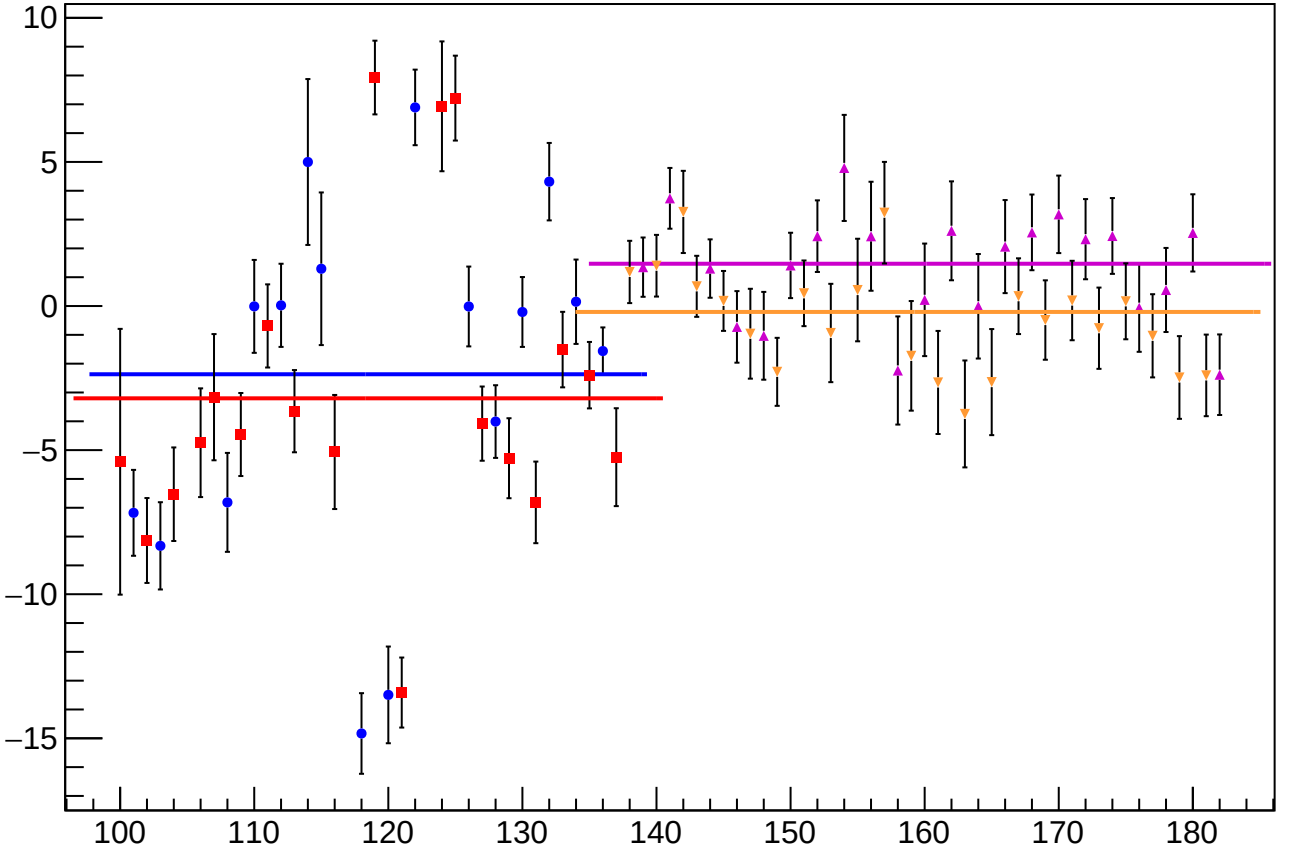
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7131.040+/-1.018 χ^2/NDF:956261.5/37

Out: 6972.403+/-0.985 χ^2/NDF:1091269.3/41

All: 7049.147+/-0.708 χ^2/NDF: 2060078.9/79

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: -0.205+/-0.285 χ^2/NDF:32.2/22

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.467+/-0.293 χ^2/NDF:33.0/21

Left: 0.610+/-0.204 χ^2/NDF: 81.9/44

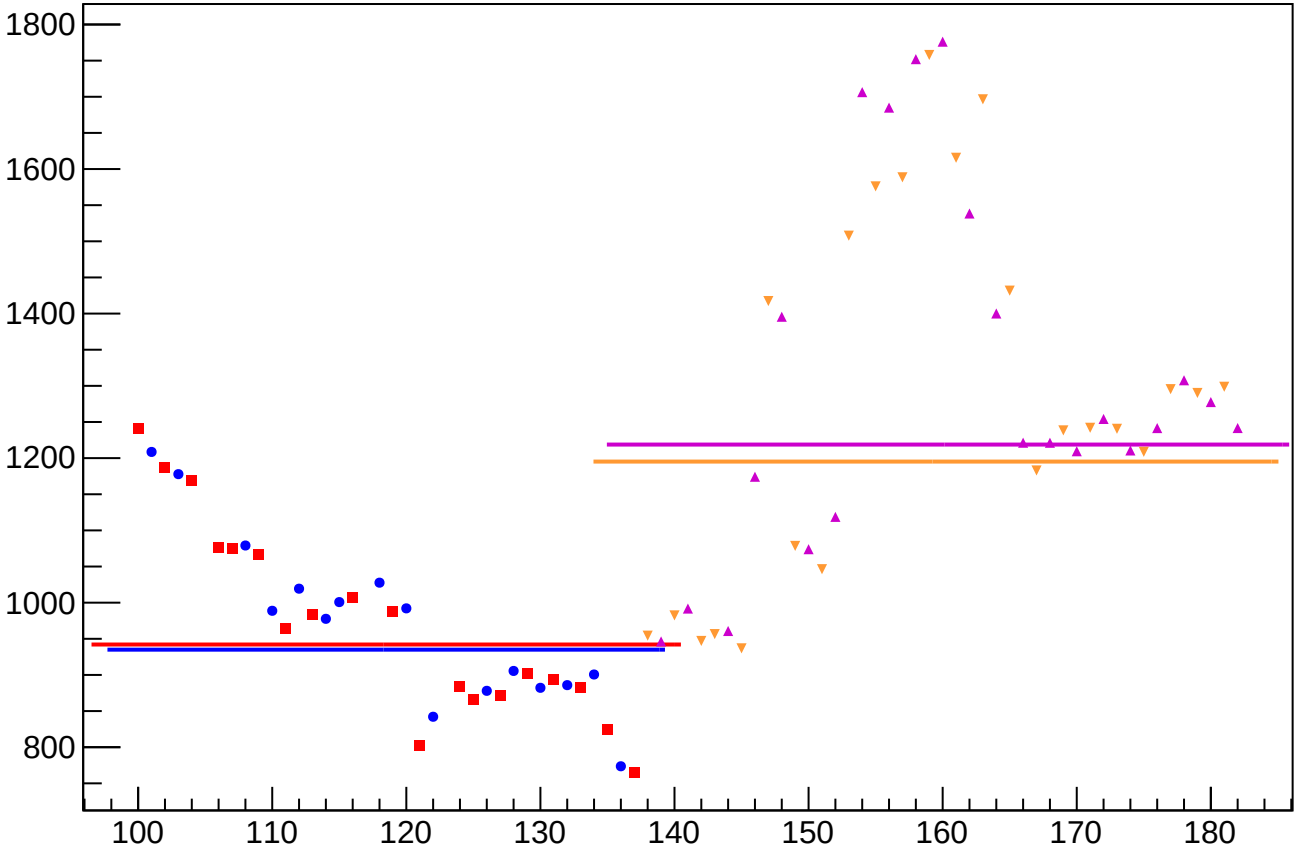
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.109+/-0.225 χ^2/NDF:359.1/37

Out: -1.417+/-0.220 χ^2/NDF:327.3/41

All: -0.776+/-0.157 χ^2/NDF: 703.7/79

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1195.223+/-0.202 χ^2/NDF:1317252.8/22

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1218.757+/-0.207 χ^2/NDF:1127260.8/21

Left: 1206.692+/-0.145 χ^2/NDF: 2451137.6/44

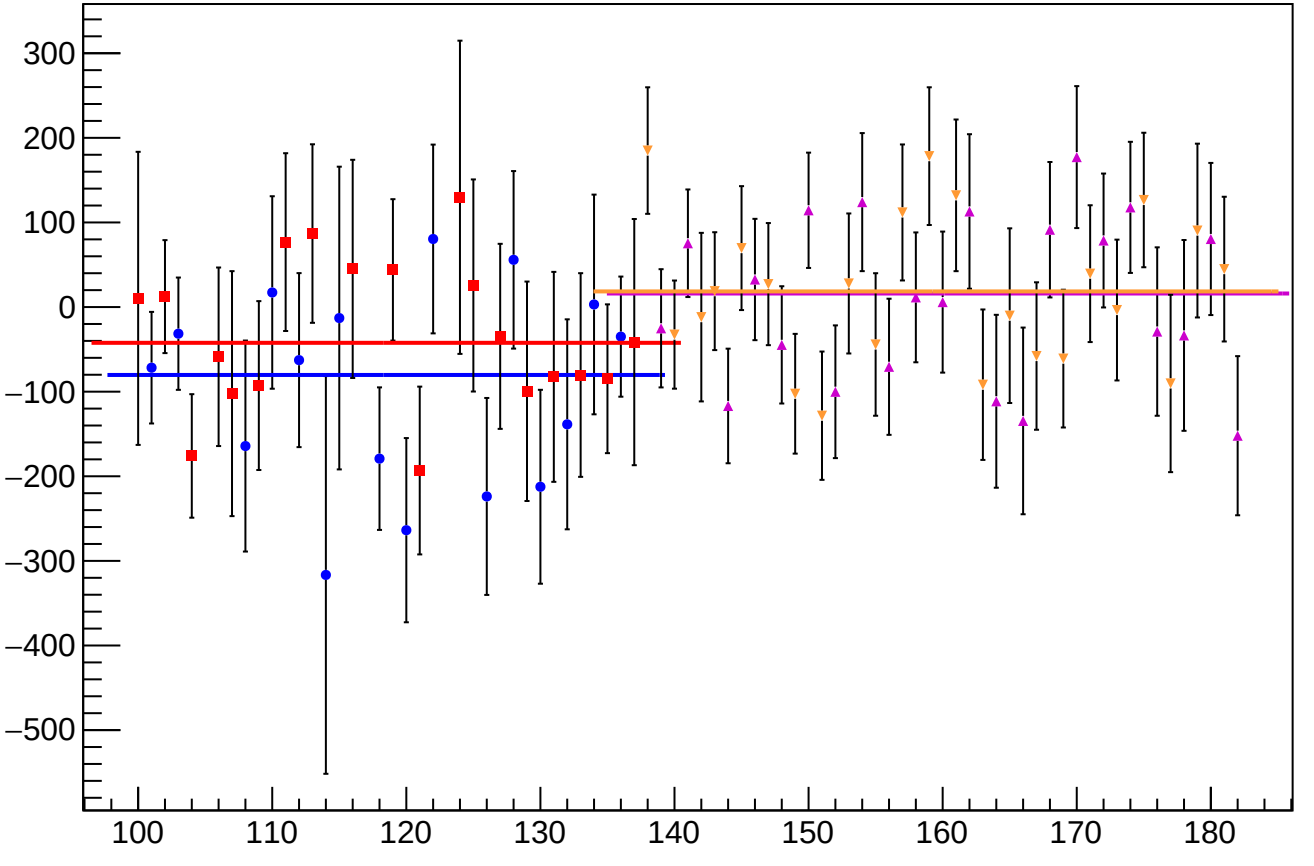
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1102.099+/-0.159 χ^2/NDF:2153949.3/37

Out: 1092.829+/-0.156 χ^2/NDF:2185775.4/41

All: 1097.372+/-0.111 χ^2/NDF: 4341460.2/79

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 18.492+/-16.949 χ^2/NDF:27.2/22

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 16.026+/-17.129 χ^2/NDF:28.7/21

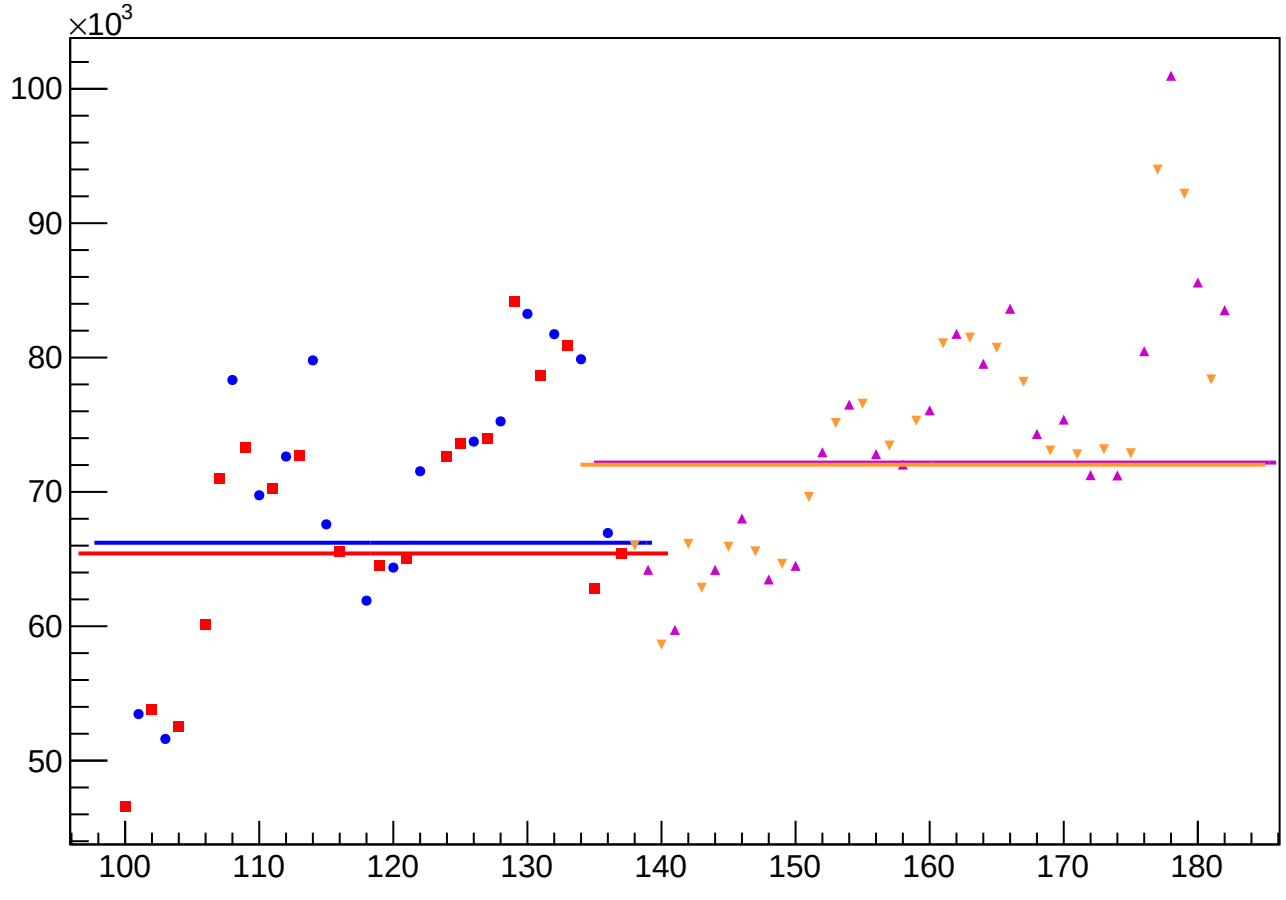
Left: 17.272+/-12.048 χ^2/NDF: 55.9/44

Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -14.885+/-14.114 χ^2/NDF:53.6/37

Out: -1.564+/-13.872 χ^2/NDF:44.5/41

All: -8.109+/-9.894 χ^2/NDF: 98.5/79



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 72023.542+/-11.985 χ^2/NDF:452663.2/22

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 72180.776+/-12.112 χ^2/NDF:481232.4/21

Left: 72101.327+/-8.519 χ^2/NDF: 933980.7/44

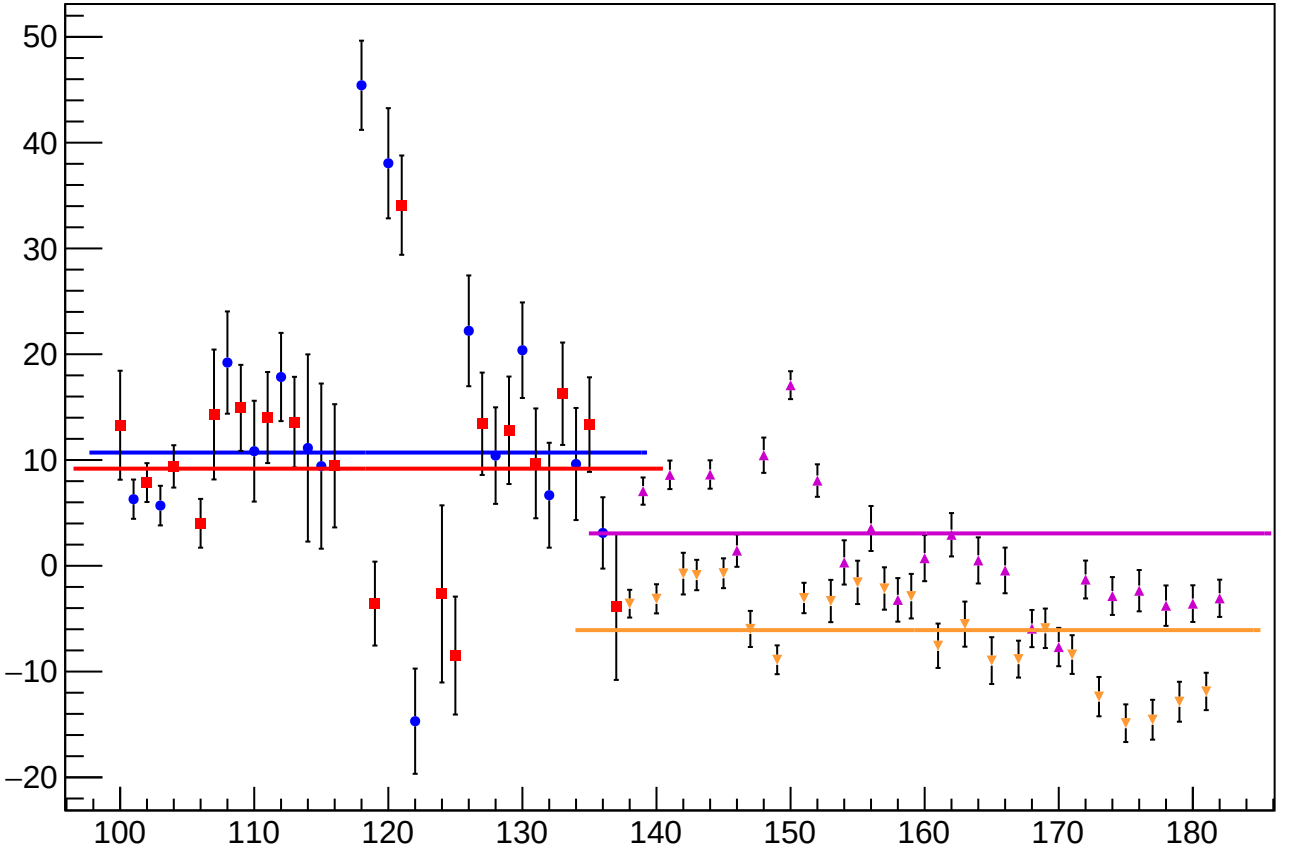
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 70265.744+/-9.980 χ^2/NDF:897470.9/37

Out: 69843.184+/-9.809 χ^2/NDF:857483.5/41

All: 70050.813+/-6.996 χ^2/NDF: 1755866.3/7

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -6.082+/-0.360 χ^2/NDF:151.0/22

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 3.061+/-0.365 χ^2/NDF:329.6/21

Left: -1.584+/-0.256 χ^2/NDF: 798.7/44

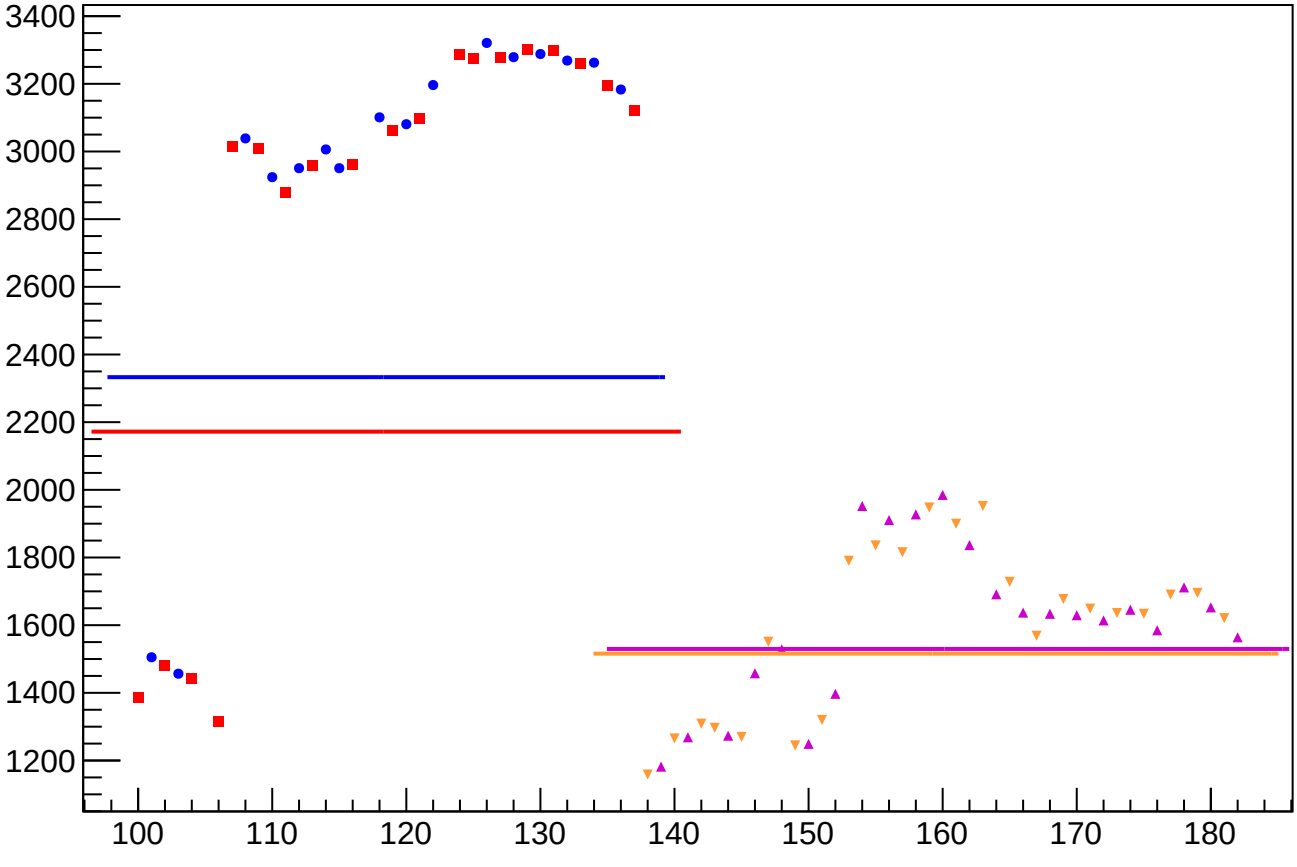
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 4.102+/-0.340 χ^2/NDF:544.7/37

Out: -3.766+/-0.331 χ^2/NDF:494.0/41

All: 0.069+/-0.237 χ^2/NDF: 1313.8/79

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1515.895+/-0.254 χ^2/NDF:932623.5/22

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1529.748+/-0.258 χ^2/NDF:828470.3/21

Left: 1522.710+/-0.181 χ^2/NDF: 1762554.5/44

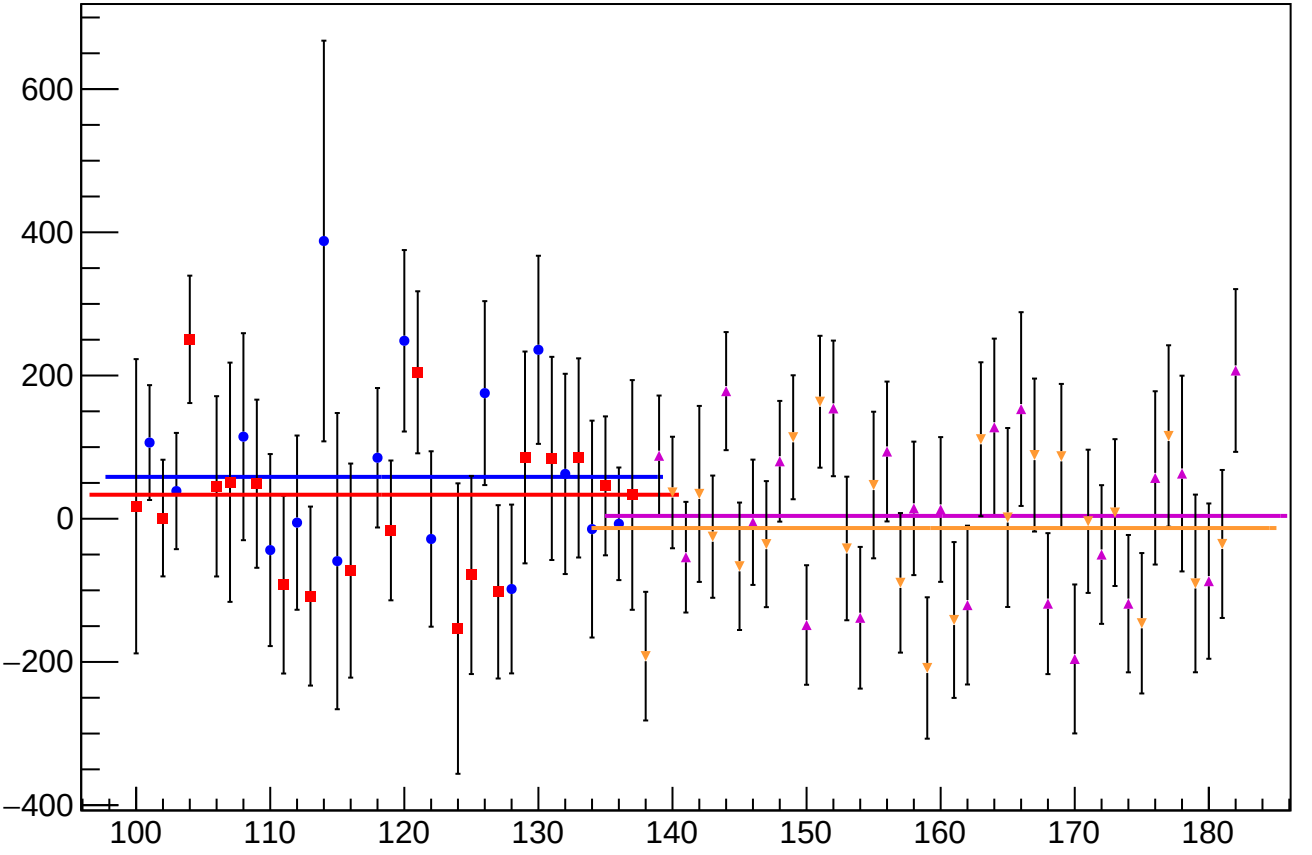
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1639.064+/-0.240 χ^2/NDF:3795499.4/37

Out: 1615.447+/-0.234 χ^2/NDF:3927455.6/41

All: 1626.958+/-0.168 χ^2/NDF: 7727913.5/79

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -12.997+/-20.661 χ^2/NDF:23.7/22

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 3.948+/-20.857 χ^2/NDF:30.6/21

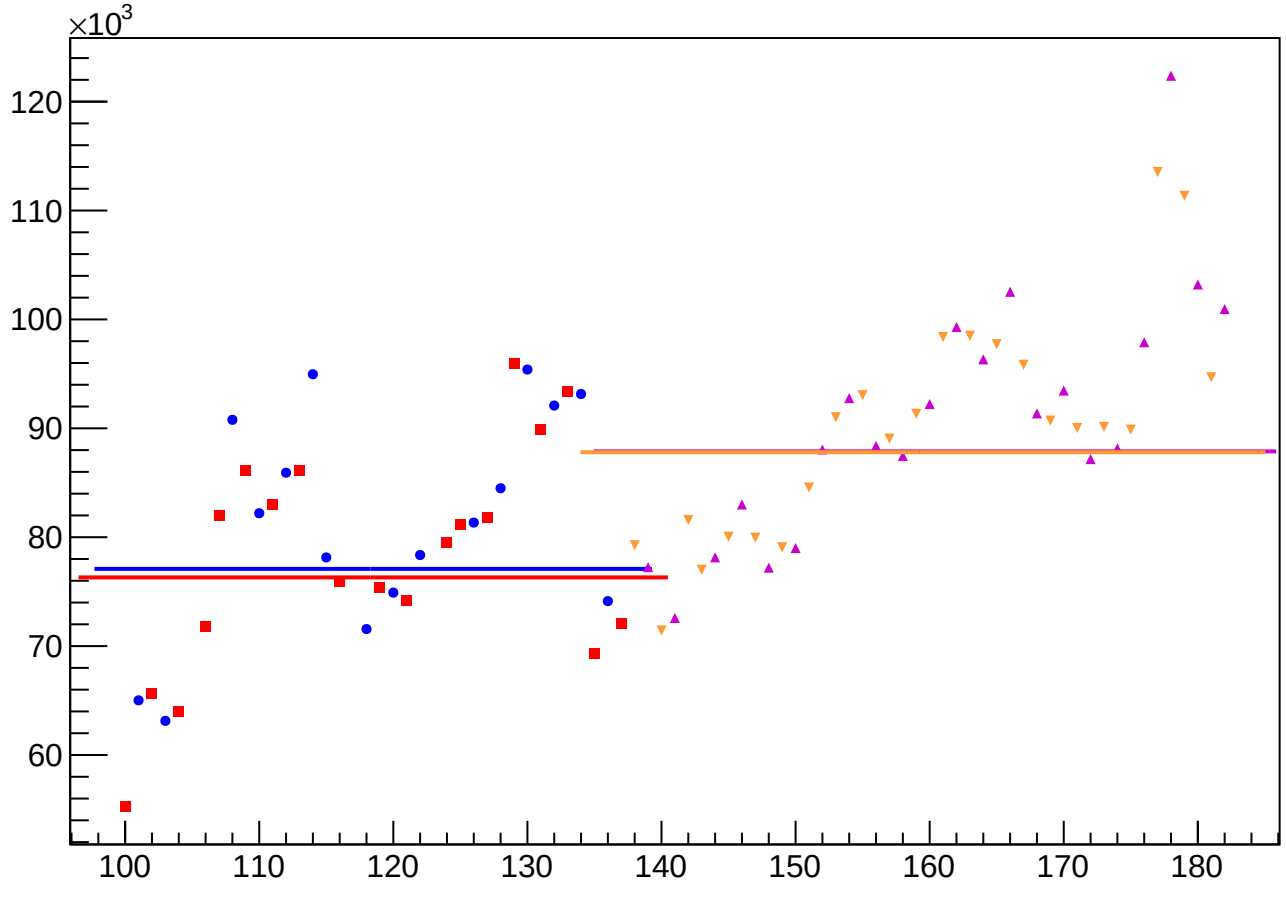
Left: -4.604+/-14.678 χ^2/NDF: 54.6/44

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 22.597+/-16.916 χ^2/NDF:44.2/37

Out: 3.322+/-16.647 χ^2/NDF:40.2/41

All: 12.805+/-11.865 χ^2/NDF: 85.0/79



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 87804.675+/-14.610 χ^2/NDF:438316.5/22

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 87882.376+/-14.748 χ^2/NDF:477804.1/21

Left: 87843.160+/-10.379 χ^2/NDF: 916134.6/44

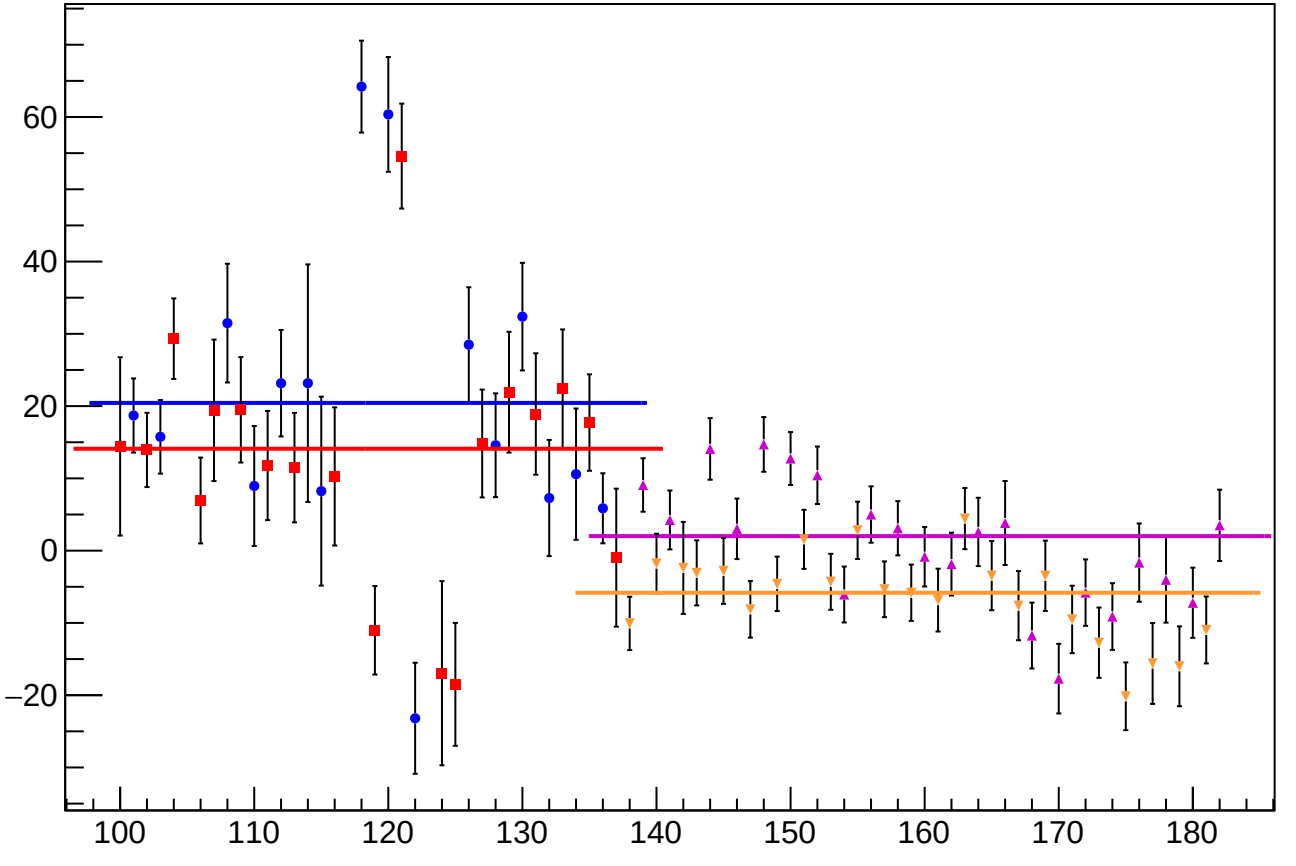
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 84190.409+/-11.961 χ^2/NDF:909489.3/37

Out: 83771.558+/-11.771 χ^2/NDF:889967.3/41

All: 83977.630+/-8.390 χ^2/NDF: 1800079.5/7

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.829+/-0.914 χ^2/NDF:38.2/22

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 2.013+/-0.923 χ^2/NDF:82.6/21

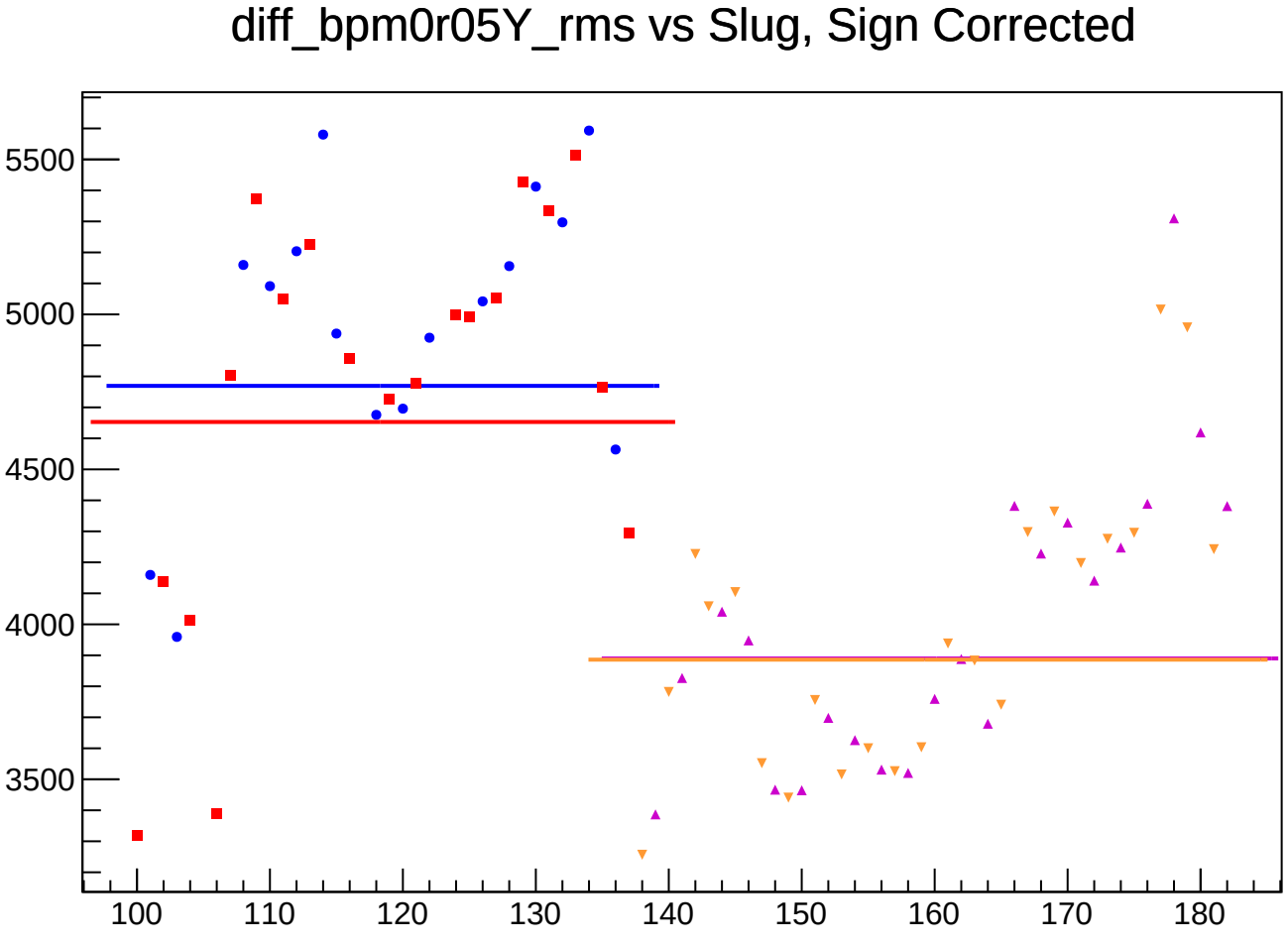
Left: -1.945+/-0.649 χ^2/NDF: 157.3/44

Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 5.908+/-0.819 χ^2/NDF:294.7/37

Out: -1.414+/-0.806 χ^2/NDF:227.3/41

All: 2.189+/-0.575 χ^2/NDF: 562.6/79



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3886.036+/-0.646 χ^2/NDF:415908.3/22

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3889.914+/-0.652 χ^2/NDF:405278.9/21

Left: 3887.957+/-0.459 χ^2/NDF: 821205.0/44

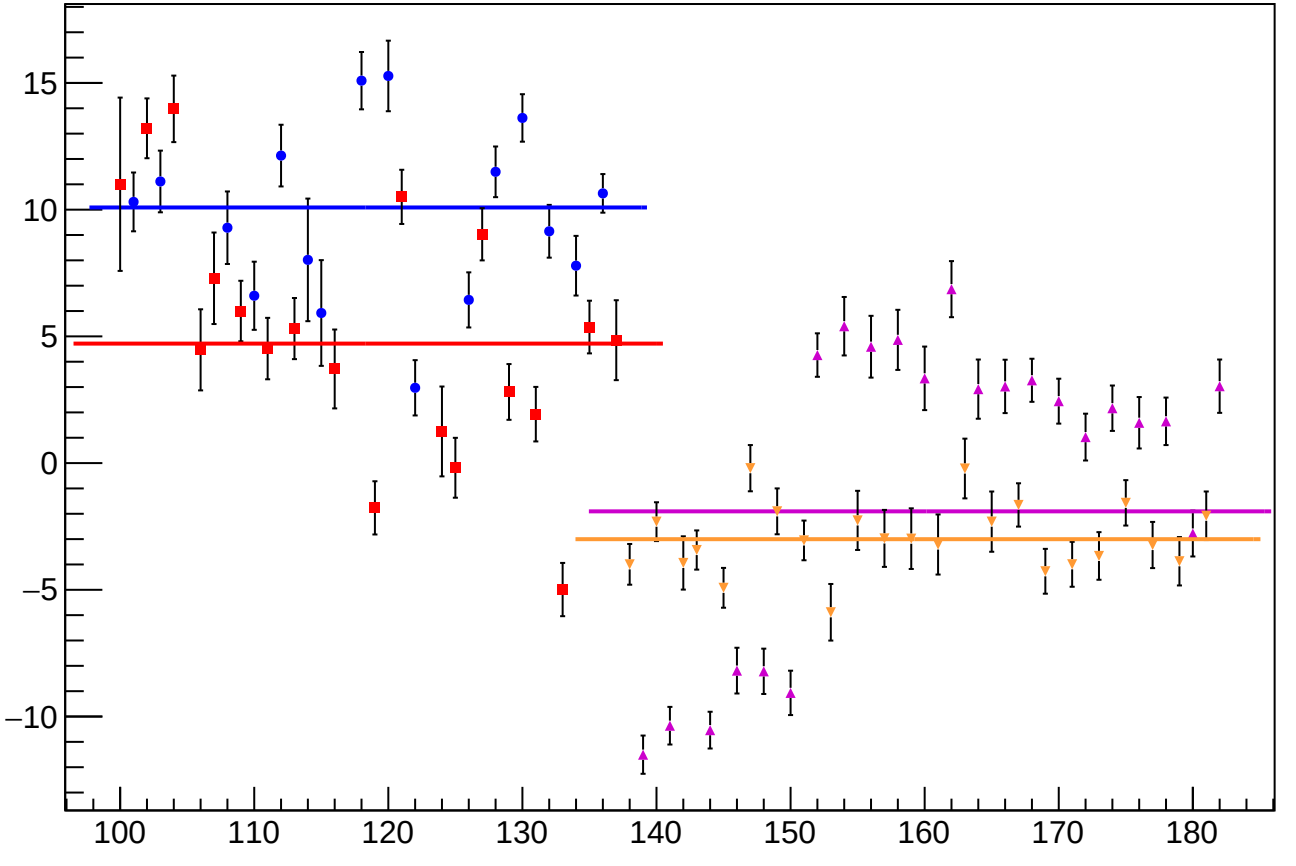
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4075.827+/-0.579 χ^2/NDF:941130.1/37

Out: 4055.888+/-0.570 χ^2/NDF:992881.1/41

All: 4065.700+/-0.406 χ^2/NDF: 1934612.9/79

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.002+/-0.195 χ^2/NDF:44.0/22

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -1.904+/-0.199 χ^2/NDF:1011.7/21

Left: -2.466+/-0.139 χ^2/NDF: 1071.2/44

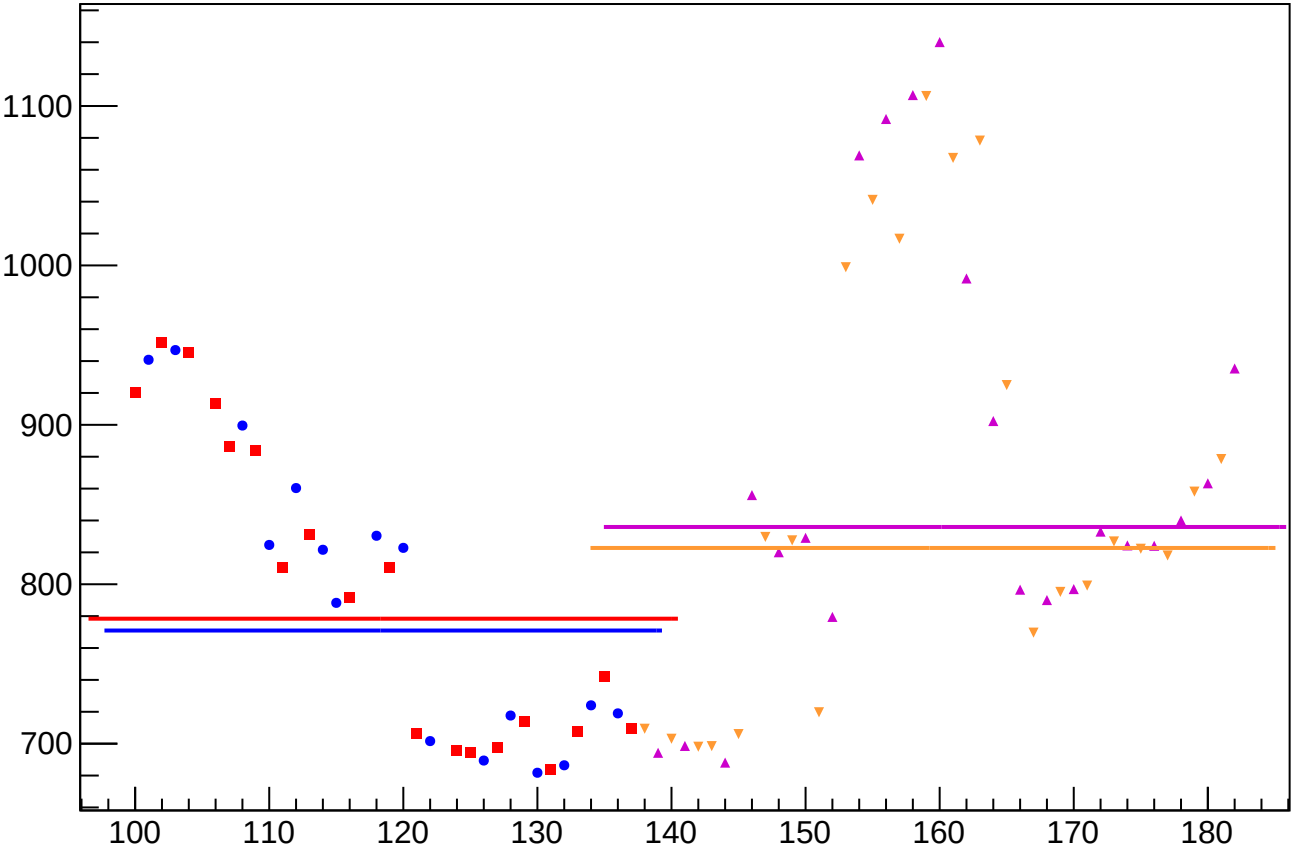
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 1.975+/-0.164 χ^2/NDF:2305.2/37

Out: -0.554+/-0.161 χ^2/NDF:852.3/41

All: 0.686+/-0.115 χ^2/NDF: 3278.6/79

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 822.767+/-0.138 χ^2/NDF:753733.5/22

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 835.930+/-0.141 χ^2/NDF:703302.2/21

Left: 829.194+/-0.099 χ^2/NDF: 1461494.7/44

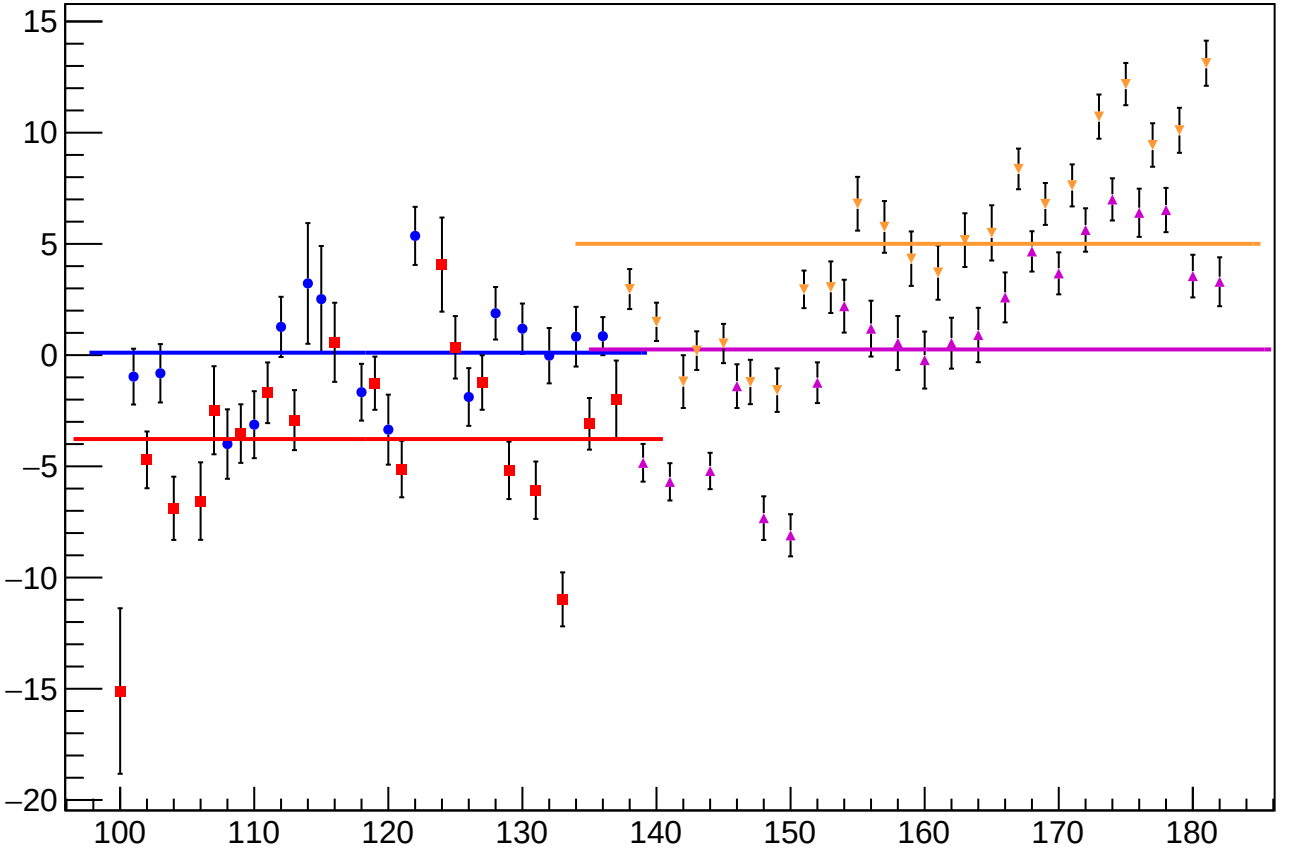
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 814.917+/-0.116 χ^2/NDF:964863.1/37

Out: 808.691+/-0.114 χ^2/NDF:983204.1/41

All: 811.745+/-0.081 χ^2/NDF: 1949535.3/79

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 5.004+/-0.210 χ^2/NDF:427.5/22

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: 0.255+/-0.214 χ^2/NDF:491.2/21

Left: 2.679+/-0.150 χ^2/NDF: 1169.9/44

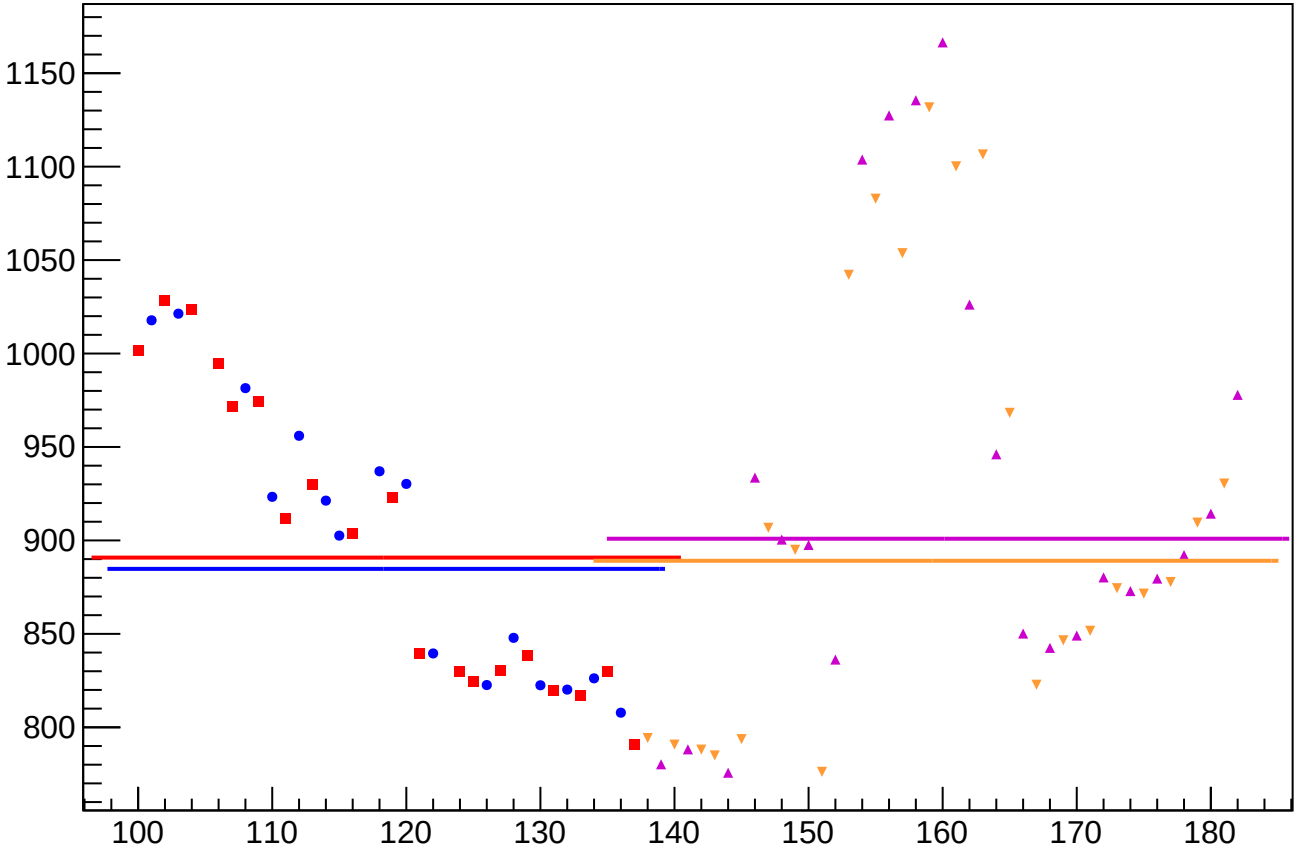
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: 0.212+/-0.180 χ^2/NDF:536.7/37

Out: 2.436+/-0.176 χ^2/NDF:1039.8/41

All: 1.344+/-0.126 χ^2/NDF: 1654.7/79

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 889.110+/-0.148 χ^2/NDF:512180.6/22

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 900.905+/-0.151 χ^2/NDF:478617.0/21

Left: 894.884+/-0.106 χ^2/NDF: 993896.7/44

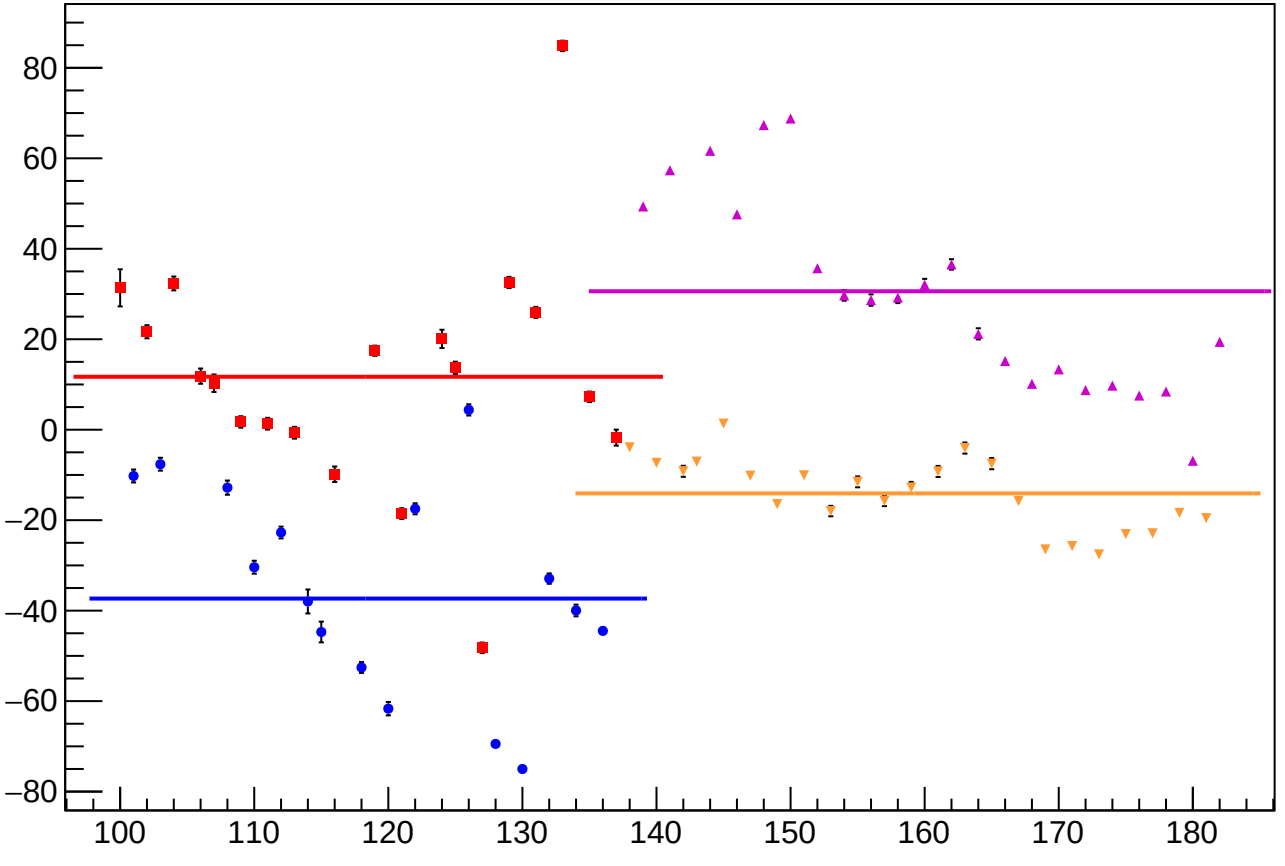
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 896.125+/-0.127 χ^2/NDF:586476.3/37

Out: 889.609+/-0.125 χ^2/NDF:619983.0/41

All: 892.808+/-0.089 χ^2/NDF: 1207799.7/79

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -14.081+/-0.211 χ^2/NDF:1466.2/22

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 30.607+/-0.217 χ^2/NDF:10384.5/21

Left: 7.710+/-0.151 χ^2/NDF: 33655.3/44

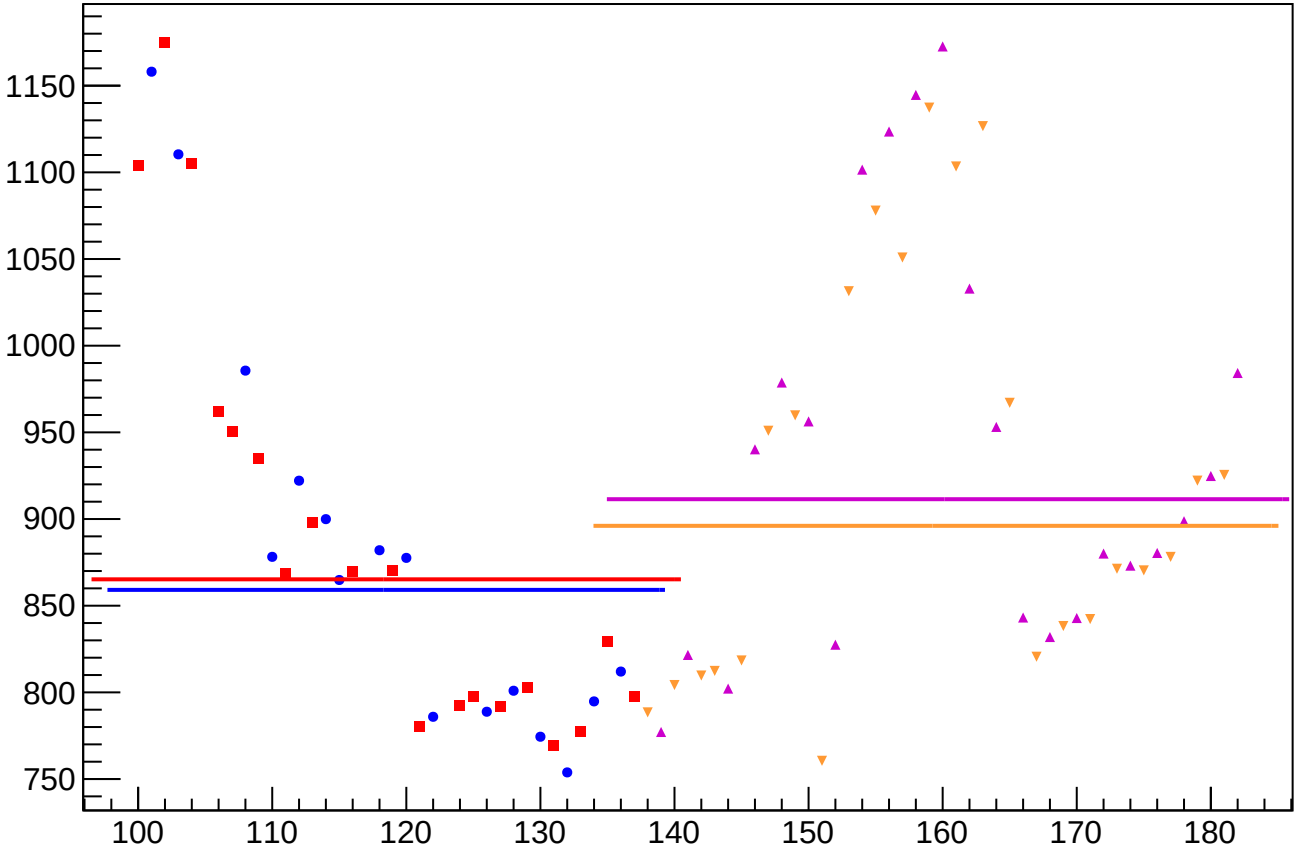
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.415+/-0.180 χ^2/NDF:46248.7/37

Out: -6.178+/-0.176 χ^2/NDF:14493.0/41

All: 1.456+/-0.126 χ^2/NDF: 64585.5/79

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 896.076+/-0.149 χ^2/NDF:513757.9/22

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 911.437+/-0.153 χ^2/NDF:473945.7/21

Left: 903.566+/-0.107 χ^2/NDF: 992856.4/44

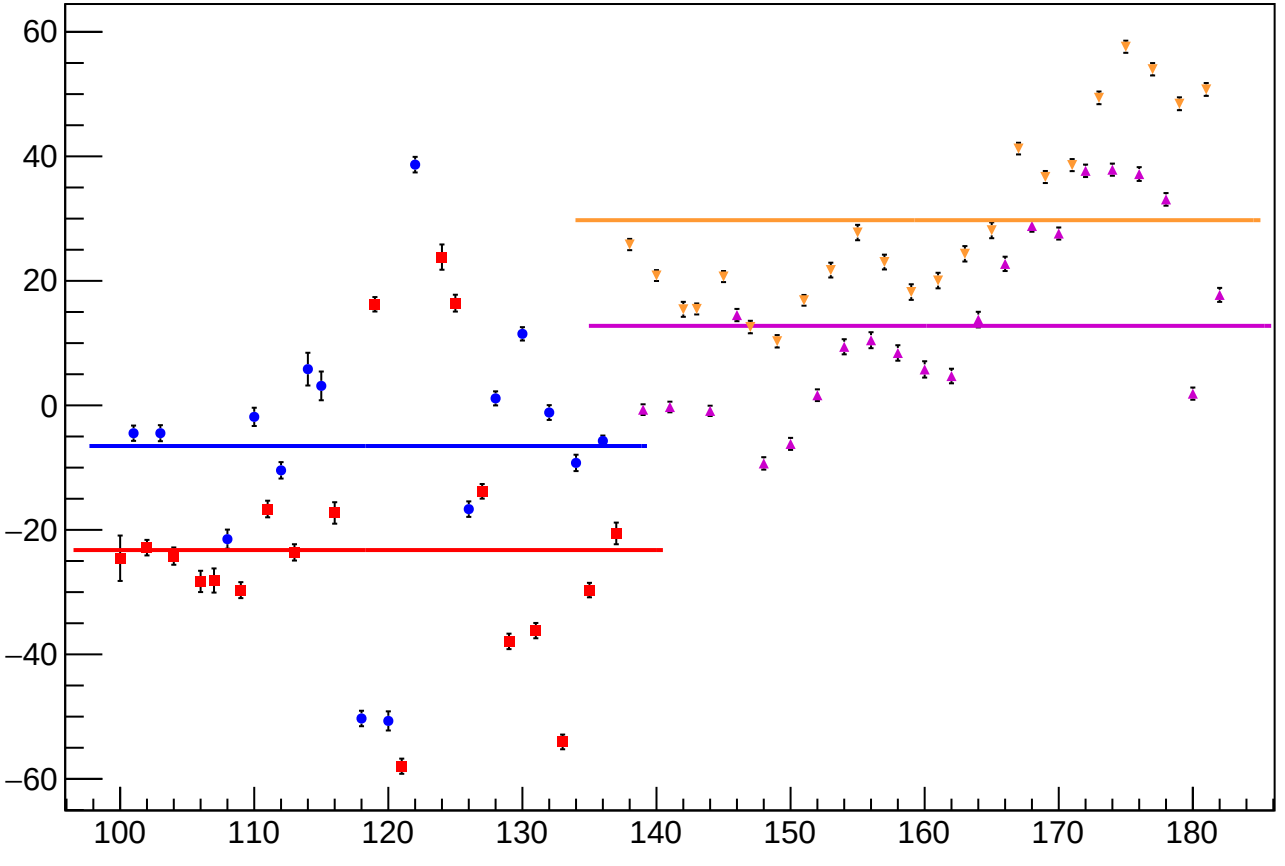
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 895.120+/-0.127 χ^2/NDF:739034.9/37

Out: 886.617+/-0.124 χ^2/NDF:750499.2/41

All: 890.780+/-0.089 χ^2/NDF: 1491819.4/79

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 29.747+/-0.214 χ^2/NDF:4566.9/22

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 12.774+/-0.219 χ^2/NDF:4784.4/21

Left: 21.443+/-0.153 χ^2/NDF: 12431.2/44

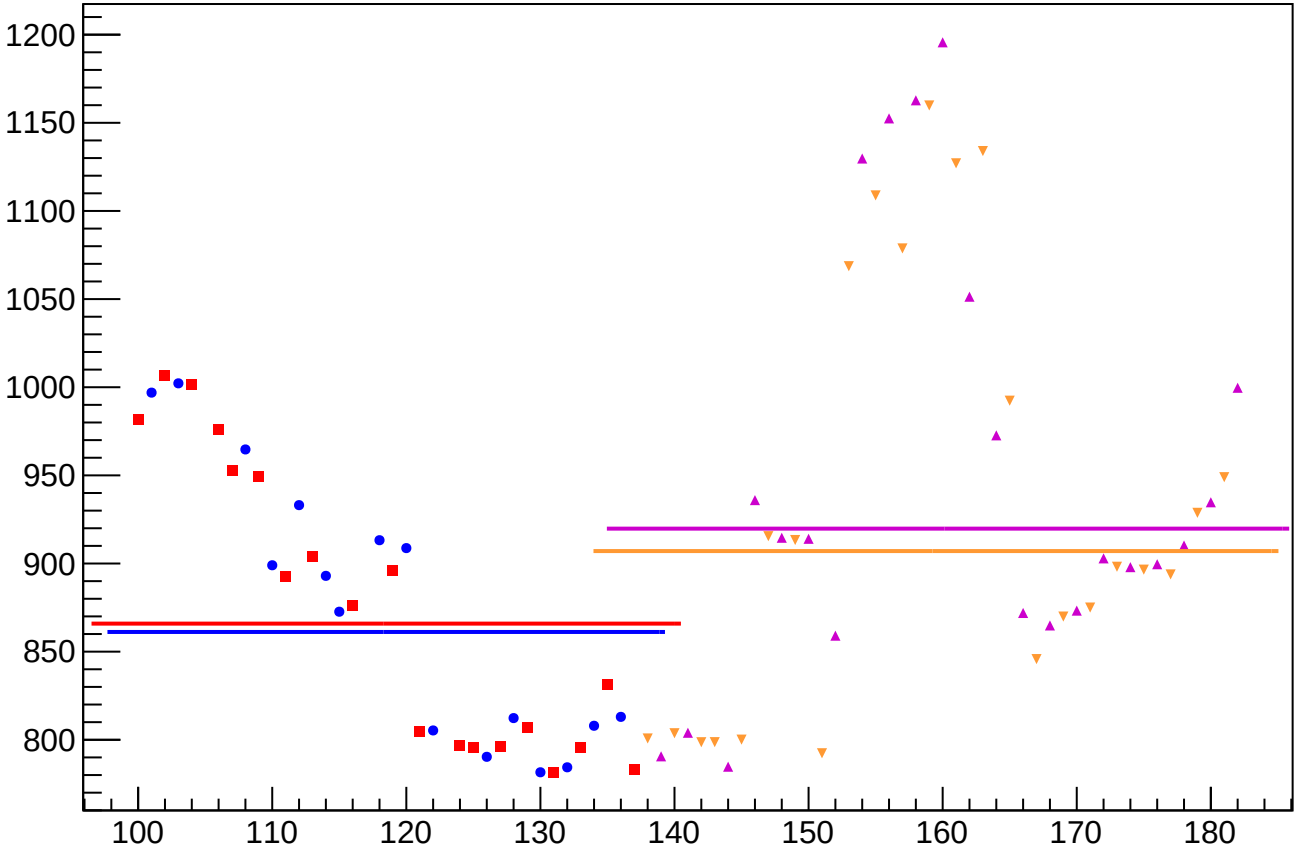
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: 6.664+/-0.181 χ^2/NDF:11198.8/37

Out: 13.167+/-0.177 χ^2/NDF:28234.8/41

All: 9.977+/-0.127 χ^2/NDF: 40093.4/79

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 907.059+/-0.151 χ^2/NDF:535786.1/22

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 919.784+/-0.155 χ^2/NDF:491052.4/21

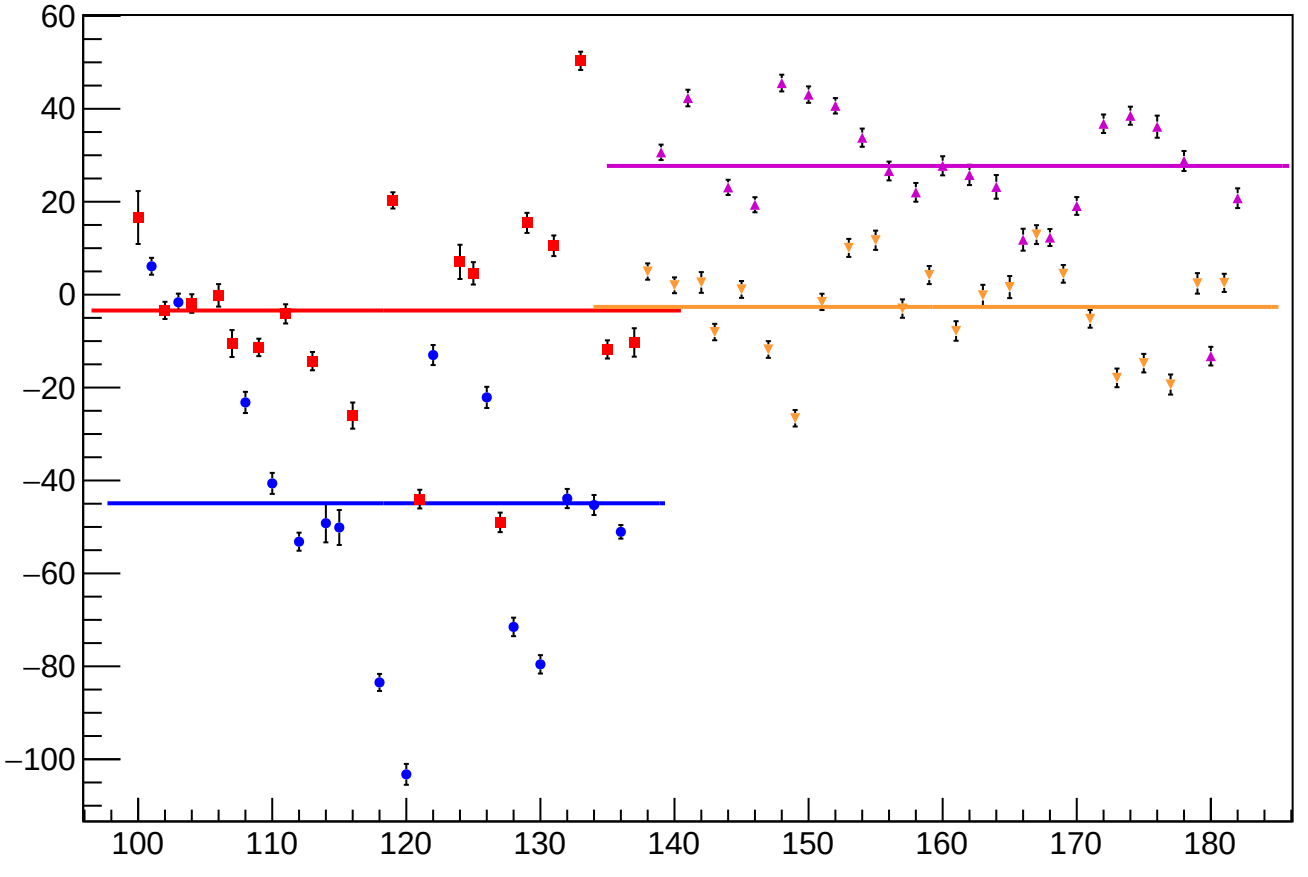
Left: 913.285+/-0.108 χ^2/NDF: 1030300.9/44

Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 901.230+/-0.128 χ^2/NDF:650105.5/37

Out: 894.183+/-0.125 χ^2/NDF:677359.6/41

All: 897.640+/-0.089 χ^2/NDF: 1329014.9/79



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.639+/-0.407 χ^2/NDF:608.3/22

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 27.704+/-0.412 χ^2/NDF:989.2/21

Left: 12.363+/-0.289 χ^2/NDF: 4344.5/44

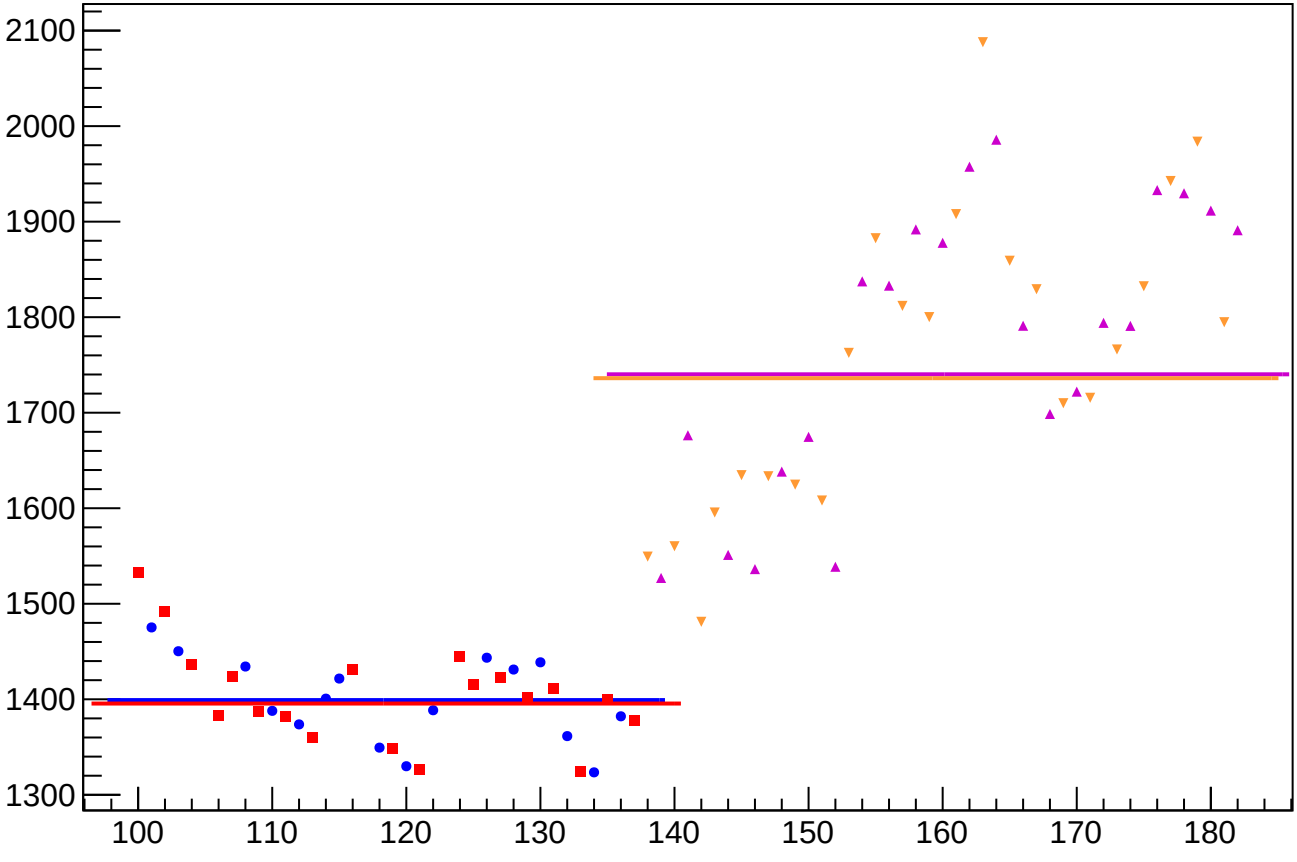
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -0.275+/-0.323 χ^2/NDF:16355.7/37

Out: -2.942+/-0.318 χ^2/NDF:2711.9/41

All: -1.628+/-0.226 χ^2/NDF: 19102.3/79

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1736.141+/-0.288 χ^2/NDF:251209.3/22

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1740.199+/-0.291 χ^2/NDF:258405.4/21

Left: 1738.147+/-0.205 χ^2/NDF: 509712.9/44

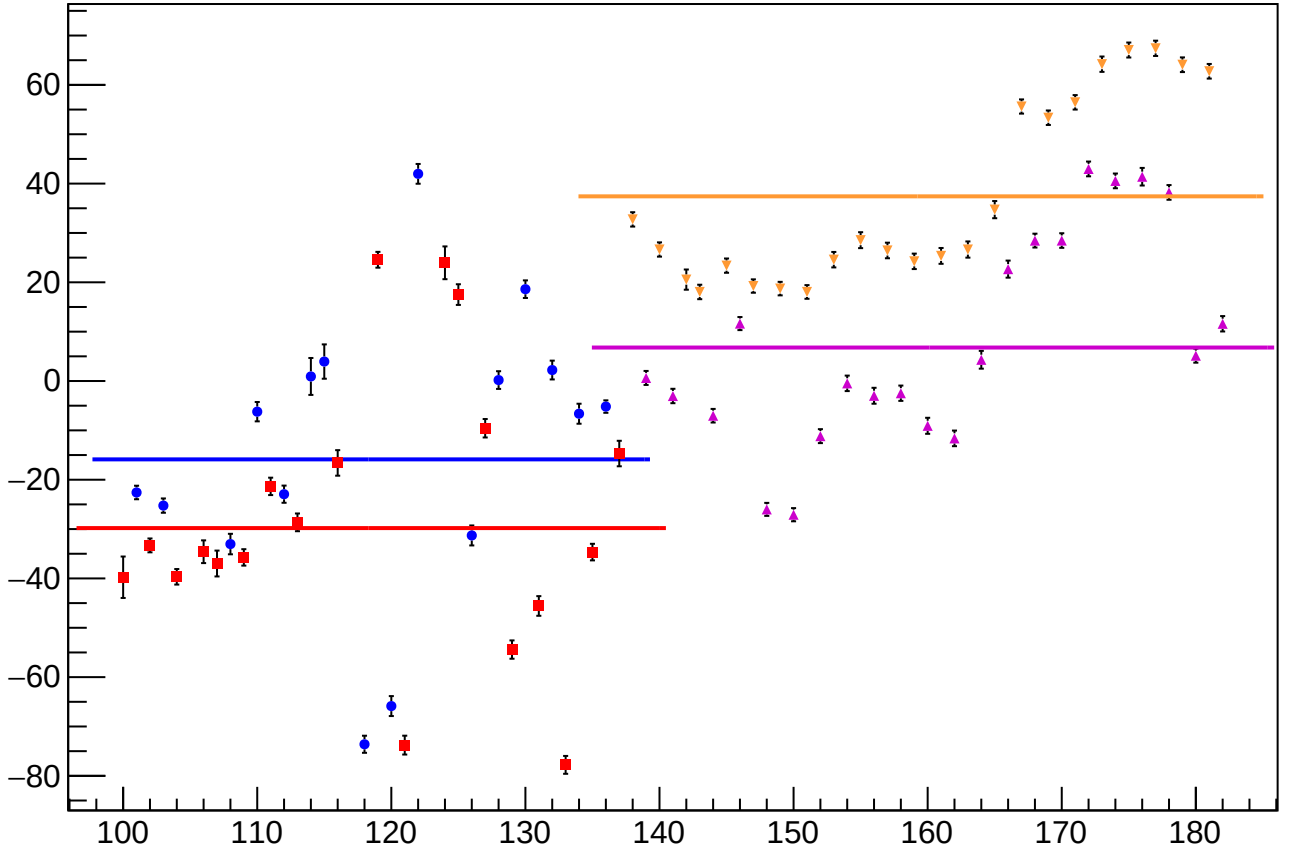
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1608.791+/-0.228 χ^2/NDF:802197.4/37

Out: 1603.327+/-0.225 χ^2/NDF:813426.0/41

All: 1606.018+/-0.160 χ^2/NDF: 1615914.3/79

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 37.416+/-0.316 χ^2/NDF:3395.0/22

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 6.783+/-0.318 χ^2/NDF:4395.1/21

Left: 22.210+/-0.224 χ^2/NDF: 12449.9/44

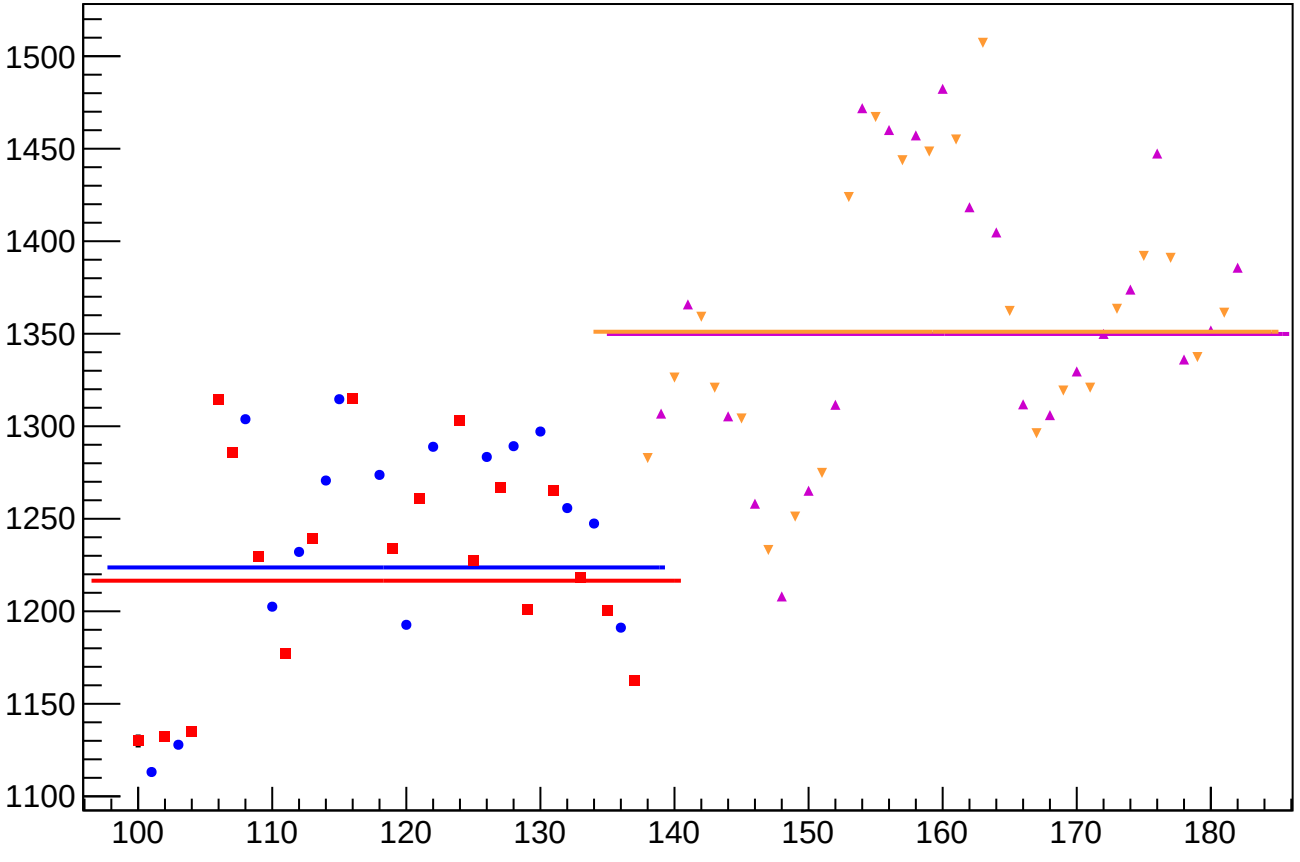
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -0.663+/-0.261 χ^2/NDF:9536.6/37

Out: 14.824+/-0.258 χ^2/NDF:22267.1/41

All: 7.180+/-0.183 χ^2/NDF: 33587.4/79

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1351.084+/-0.224 χ^2/NDF:103541.2/22

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1349.875+/-0.225 χ^2/NDF:107409.1/21

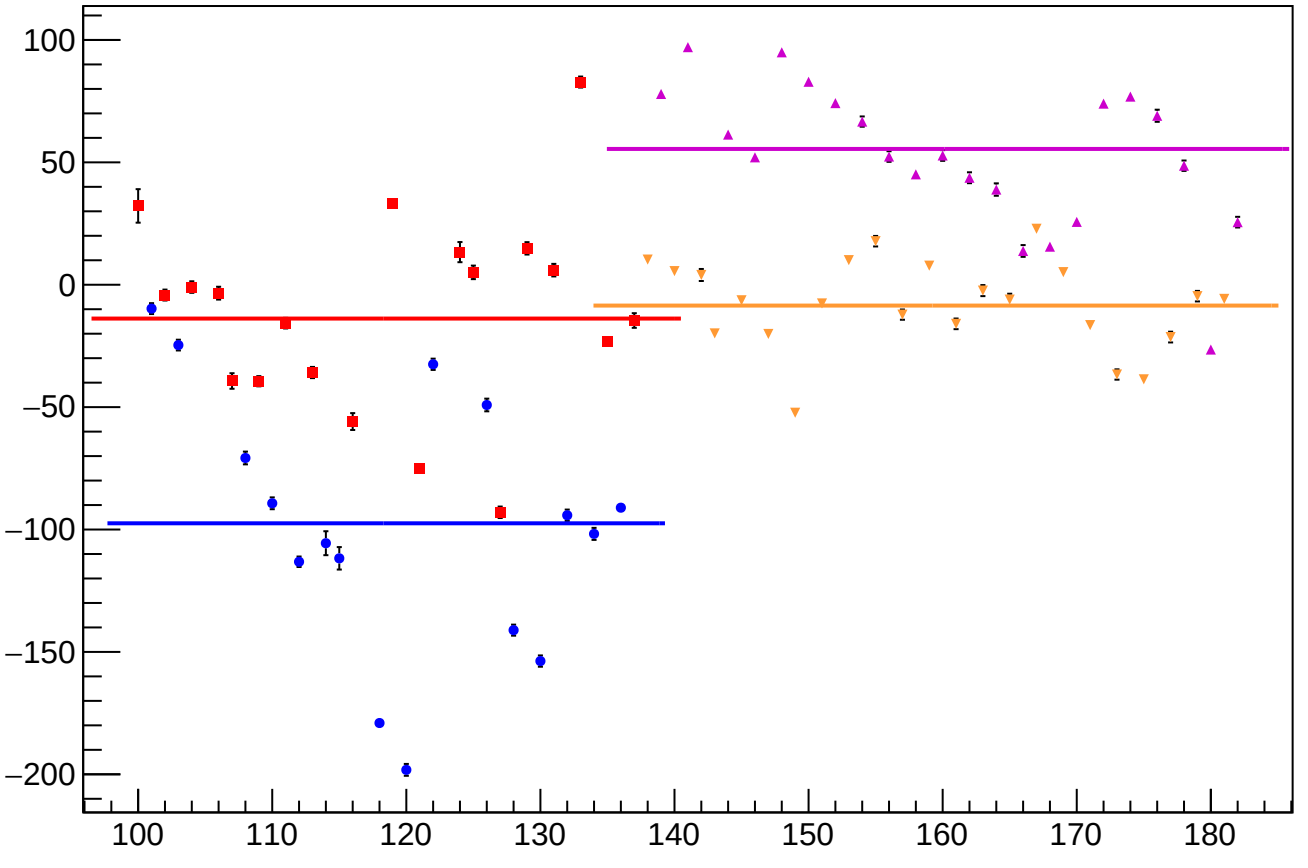
Left: 1350.484+/-0.159 χ^2/NDF: 210964.8/44

Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1308.419+/-0.185 χ^2/NDF:251446.8/37

Out: 1305.861+/-0.182 χ^2/NDF:254663.1/41

All: 1307.124+/-0.130 χ^2/NDF: 506207.2/79



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.508+/-0.417 χ^2/NDF:1936.4/22

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 55.480+/-0.424 χ^2/NDF:4718.3/21

Left: 23.014+/-0.297 χ^2/NDF: 18236.7/44

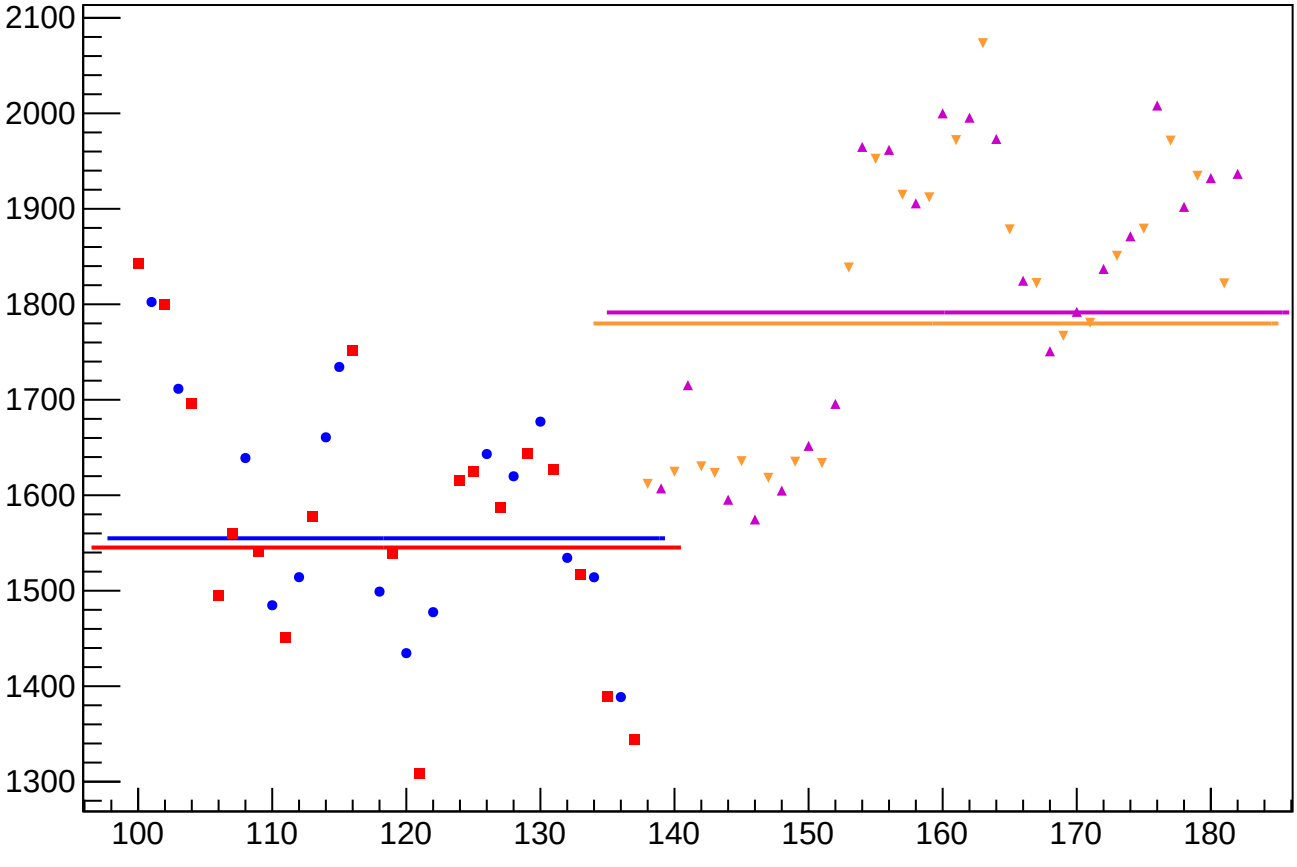
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: 2.224+/-0.342 χ^2/NDF:58425.6/37

Out: -10.379+/-0.336 χ^2/NDF:7345.6/41

All: -4.191+/-0.240 χ^2/NDF: 66462.7/79

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1779.918+/-0.295 χ^2/NDF:228691.1/22

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1791.452+/-0.299 χ^2/NDF:250274.2/21

Left: 1785.600+/-0.210 χ^2/NDF: 479717.9/44

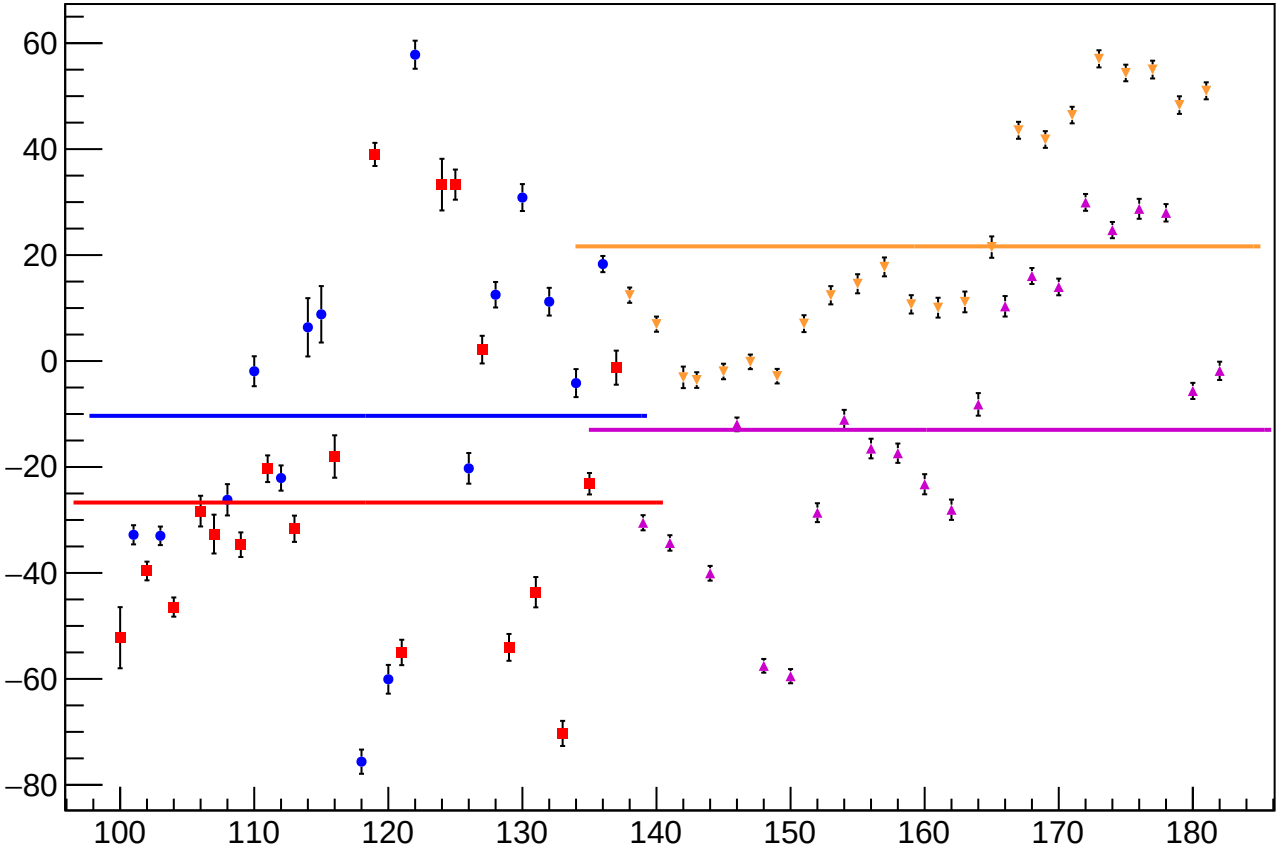
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1709.082+/-0.242 χ^2/NDF:555444.3/37

Out: 1697.208+/-0.237 χ^2/NDF:560393.0/41

All: 1703.038+/-0.169 χ^2/NDF: 1117064.8/79

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 21.642+/-0.338 χ^2/NDF:4159.4/22

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -12.987+/-0.342 χ^2/NDF:6626.8/21

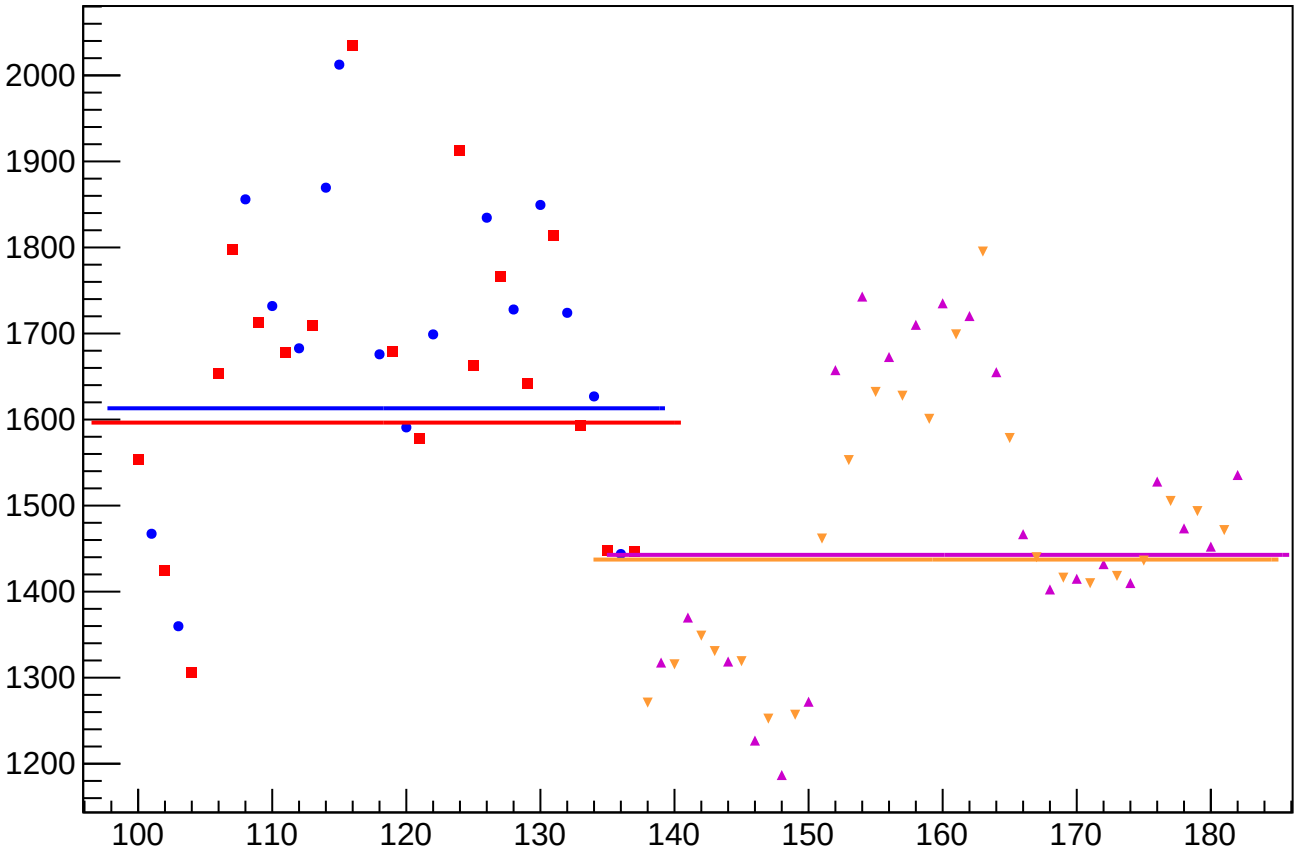
Left: 4.564+/-0.240 χ^2/NDF: 15971.5/44

Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -12.343+/-0.298 χ^2/NDF:9648.3/37

Out: 9.598+/-0.293 χ^2/NDF:11806.1/41

All: -1.184+/-0.209 χ^2/NDF: 24216.5/79



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1437.277+/-0.239 χ^2/NDF:335766.4/22

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1442.740+/-0.242 χ^2/NDF:479778.8/21

Left: 1439.972+/-0.170 χ^2/NDF: 815803.3/44

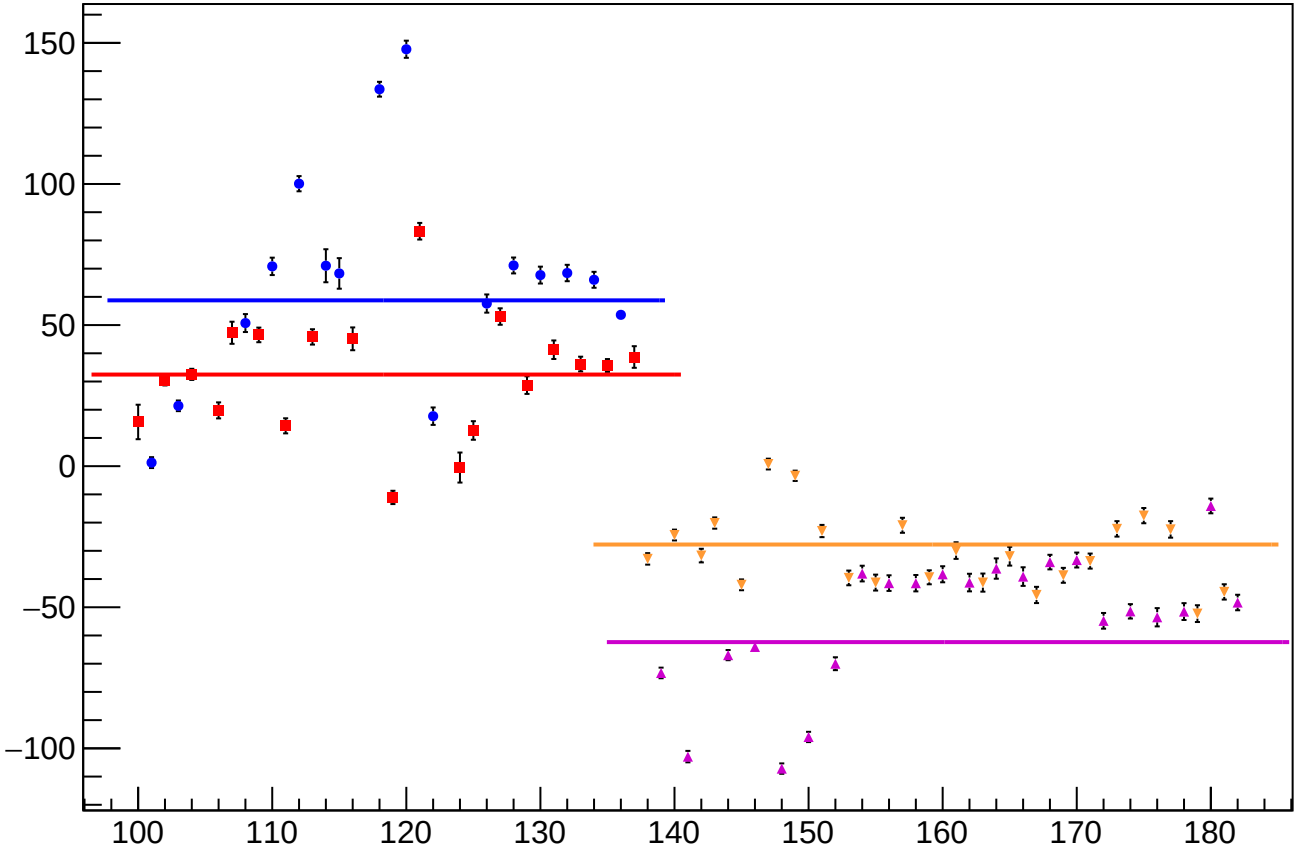
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1484.252+/-0.211 χ^2/NDF:755162.3/37

Out: 1476.925+/-0.207 χ^2/NDF:607138.9/41

All: 1480.525+/-0.148 χ^2/NDF: 1362917.2/79

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -27.766+/-0.506 χ^2/NDF:765.4/22

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -62.350+/-0.515 χ^2/NDF:2444.3/21

Left: -44.758+/-0.361 χ^2/NDF: 5505.4/44

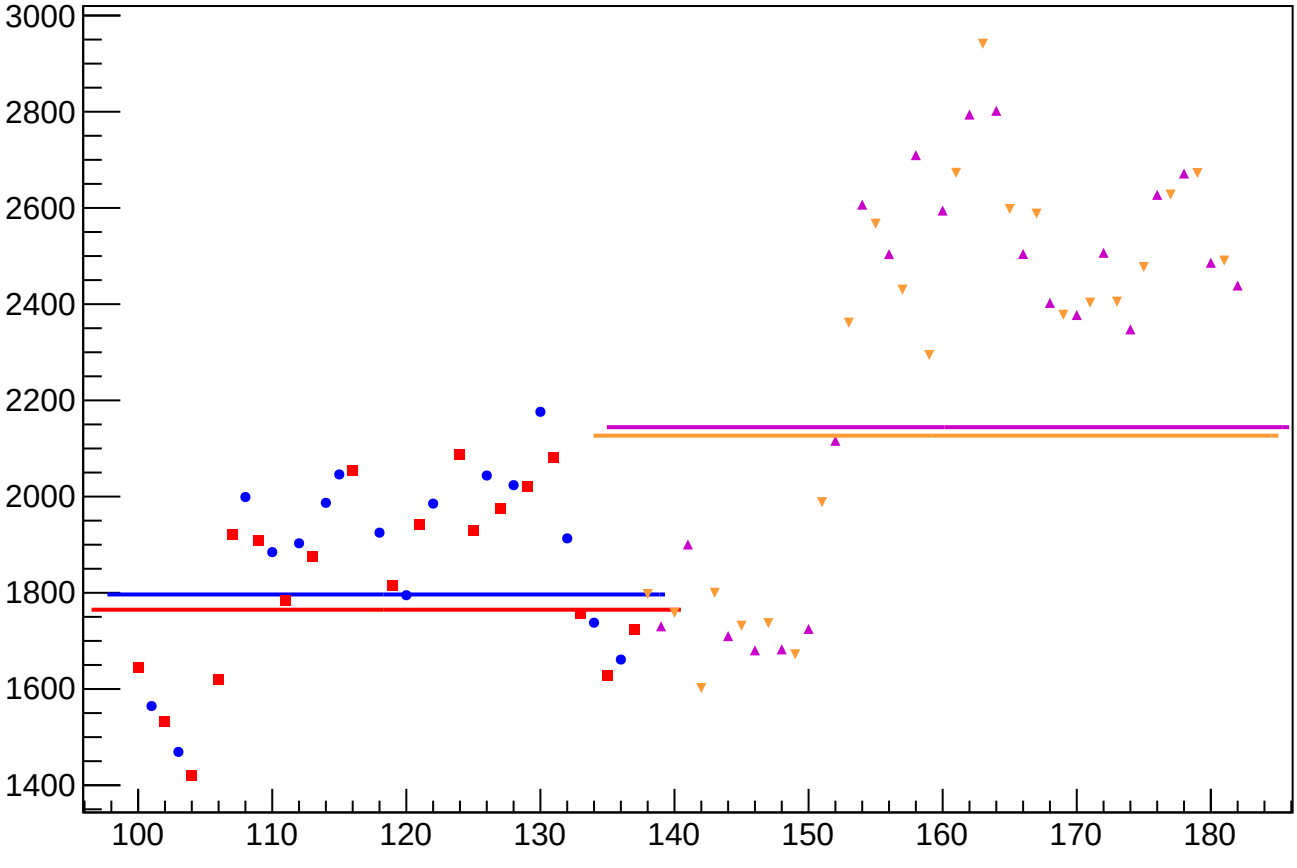
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -17.599+/-0.409 χ^2/NDF:26339.3/37

Out: -4.975+/-0.399 χ^2/NDF:7059.6/41

All: -11.132+/-0.285 χ^2/NDF: 33887.6/79

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2126.668+/-0.358 χ^2/NDF:1217523.9/22

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 2144.308+/-0.364 χ^2/NDF:1249380.2/21

Left: 2135.335+/-0.255 χ^2/NDF: 2468098.6/44

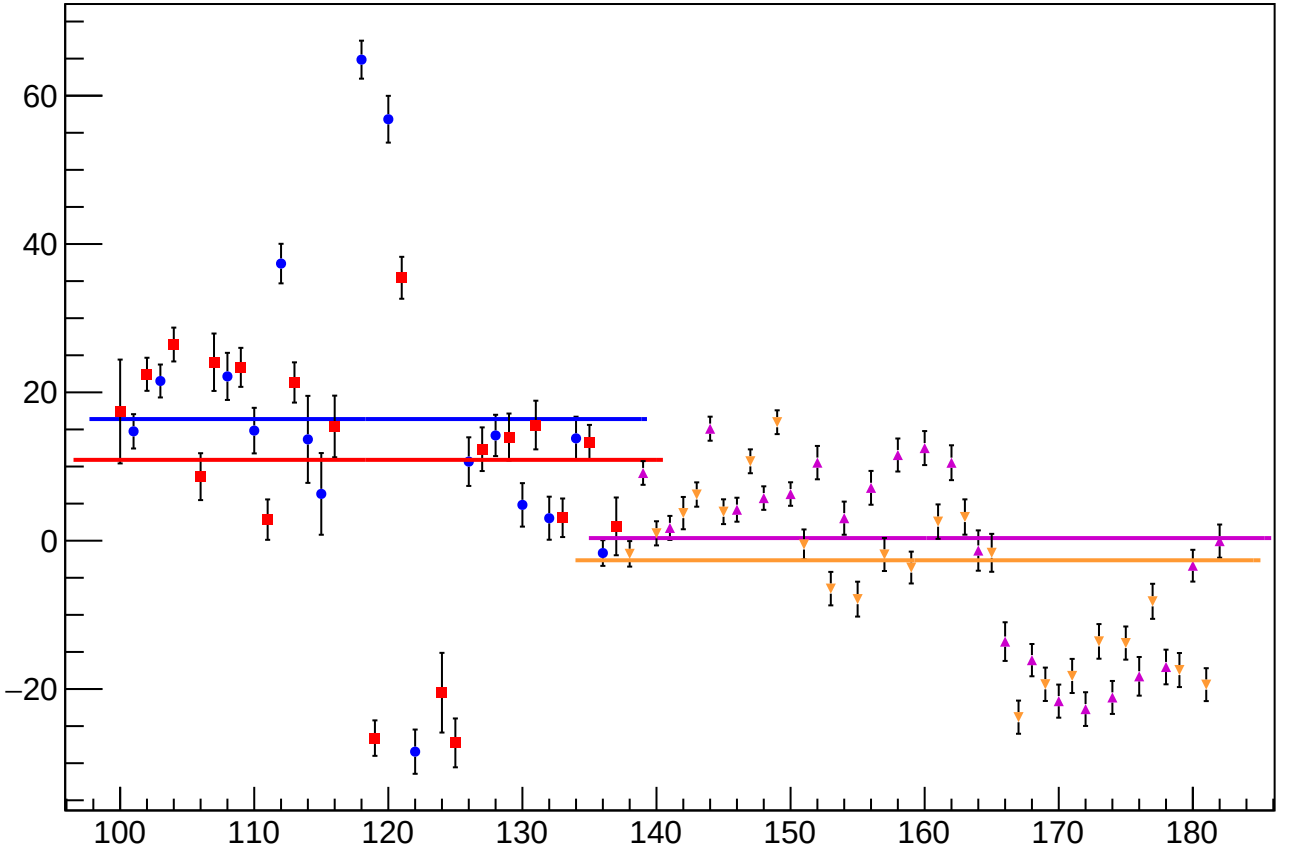
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 2015.813+/-0.289 χ^2/NDF:1779788.0/37

Out: 1989.763+/-0.282 χ^2/NDF:1794560.1/41

All: 2002.469+/-0.202 χ^2/NDF: 3578508.8/79

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -2.641+/-0.425 χ^2/NDF:623.9/22

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 0.352+/-0.433 χ^2/NDF:736.8/21

Left: -1.171+/-0.303 χ^2/NDF: 1384.9/44

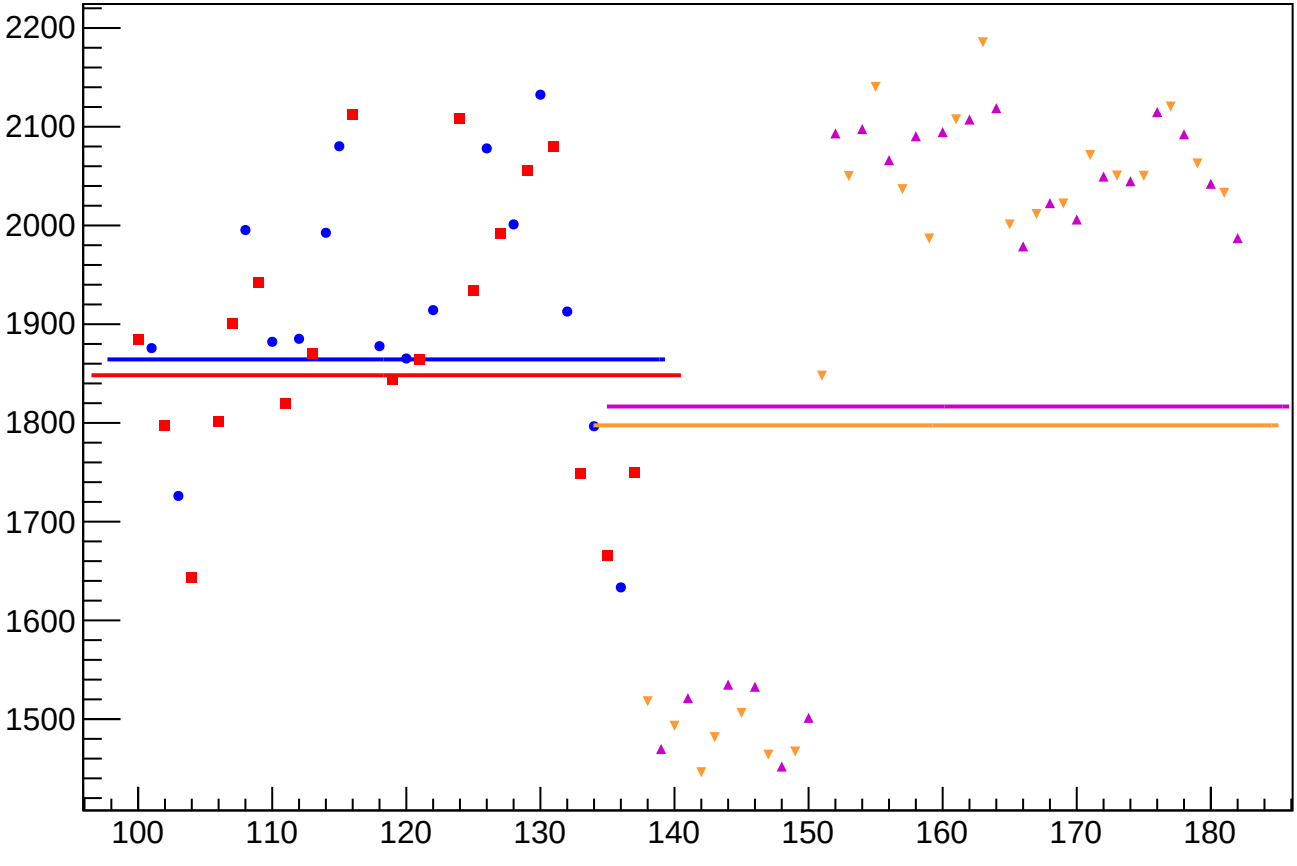
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 4.840+/-0.368 χ^2/NDF:2093.8/37

Out: 1.198+/-0.360 χ^2/NDF:1552.8/41

All: 2.982+/-0.257 χ^2/NDF: 3696.7/79

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1797.571+/-0.301 χ^2/NDF:891223.0/22

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1816.635+/-0.306 χ^2/NDF:838536.4/21

Left: 1806.934+/-0.215 χ^2/NDF: 1731732.3/44

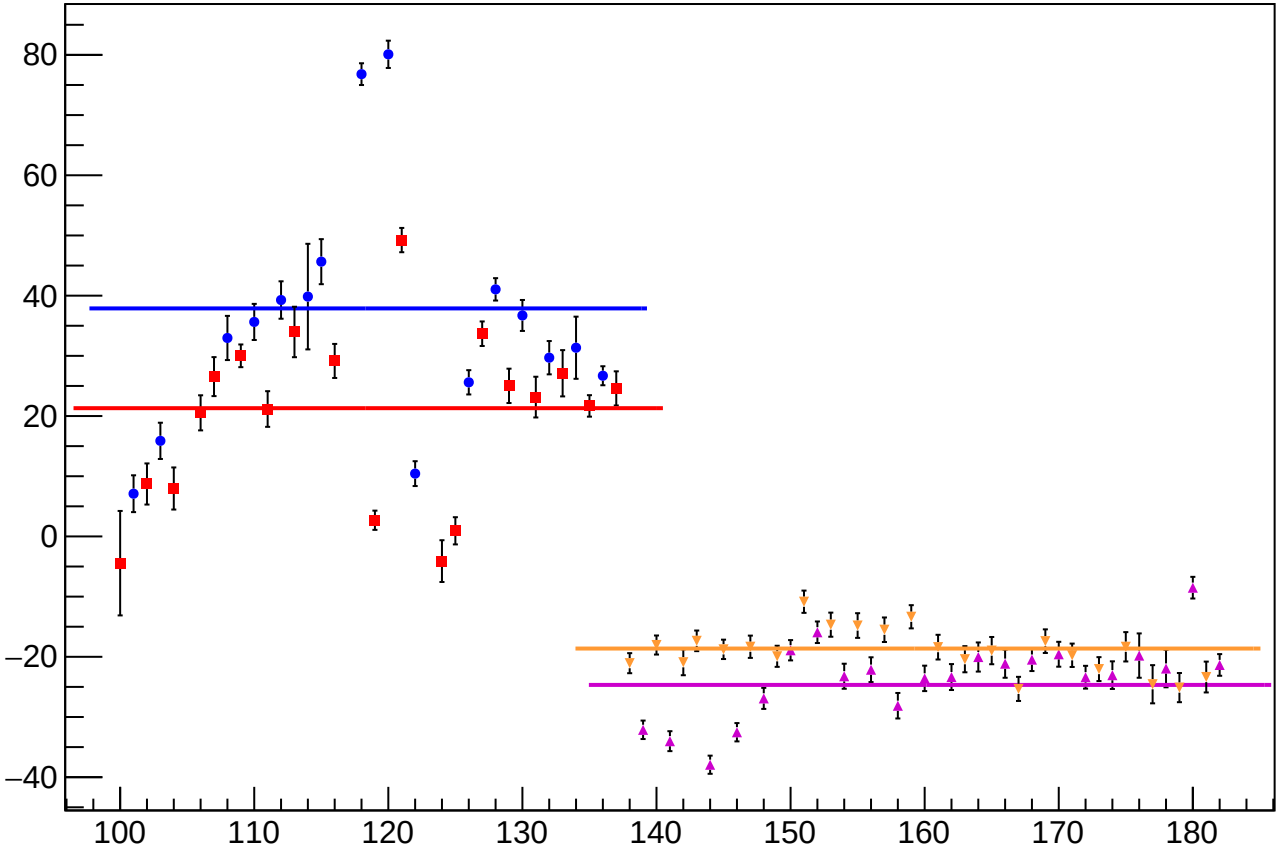
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1829.974+/-0.260 χ^2/NDF:928634.9/37

Out: 1811.948+/-0.255 χ^2/NDF:974238.7/41

All: 1820.777+/-0.182 χ^2/NDF: 1905328.7/79

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.627+/-0.413 χ^2/NDF:69.1/22

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -24.669+/-0.411 χ^2/NDF:306.3/21

Left: -21.658+/-0.291 χ^2/NDF: 482.9/44

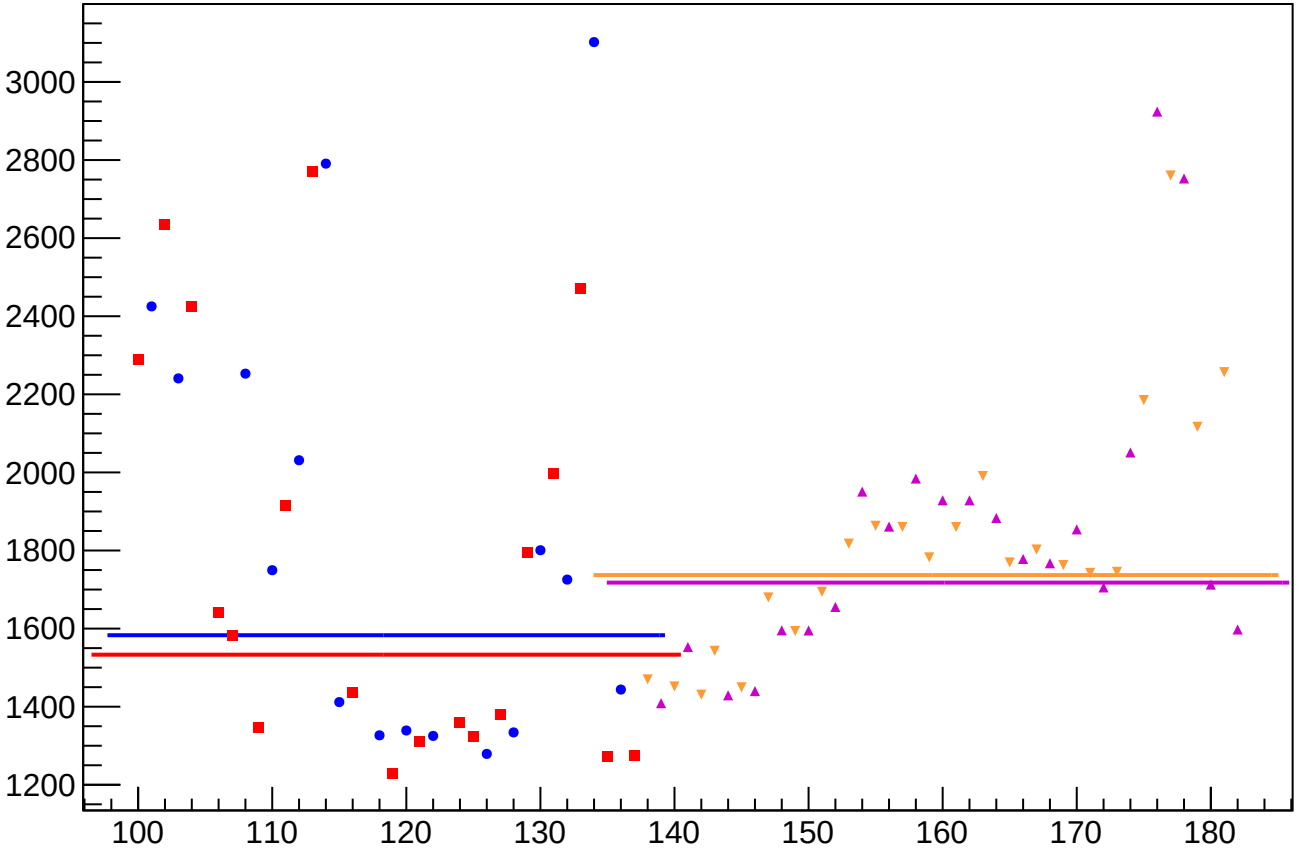
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -5.646+/-0.343 χ^2/NDF:8585.0/37

Out: -5.595+/-0.339 χ^2/NDF:3707.2/41

All: -5.620+/-0.241 χ^2/NDF: 12292.2/79

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1737.053+/-0.292 χ^2/NDF:726244.5/22

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1717.793+/-0.291 χ^2/NDF:875357.5/21

Left: 1727.393+/-0.206 χ^2/NDF: 1603786.4/44

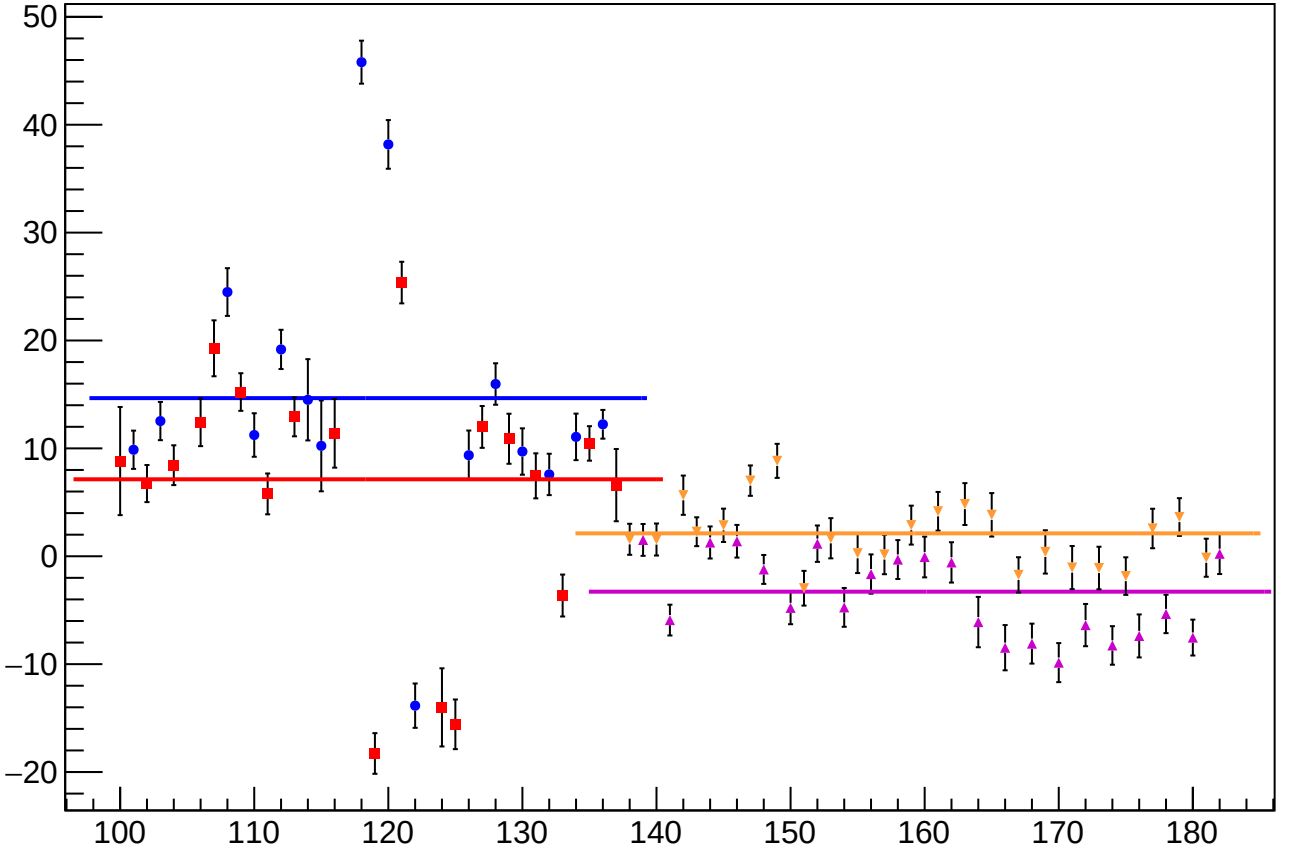
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1676.815+/-0.243 χ^2/NDF:1728266.4/37

Out: 1670.519+/-0.240 χ^2/NDF:1836286.2/41

All: 1673.625+/-0.170 χ^2/NDF: 3564893.6/79

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.123+/-0.355 χ^2/NDF:69.9/22

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -3.283+/-0.366 χ^2/NDF:105.9/21

Left: -0.498+/-0.255 χ^2/NDF: 288.1/44

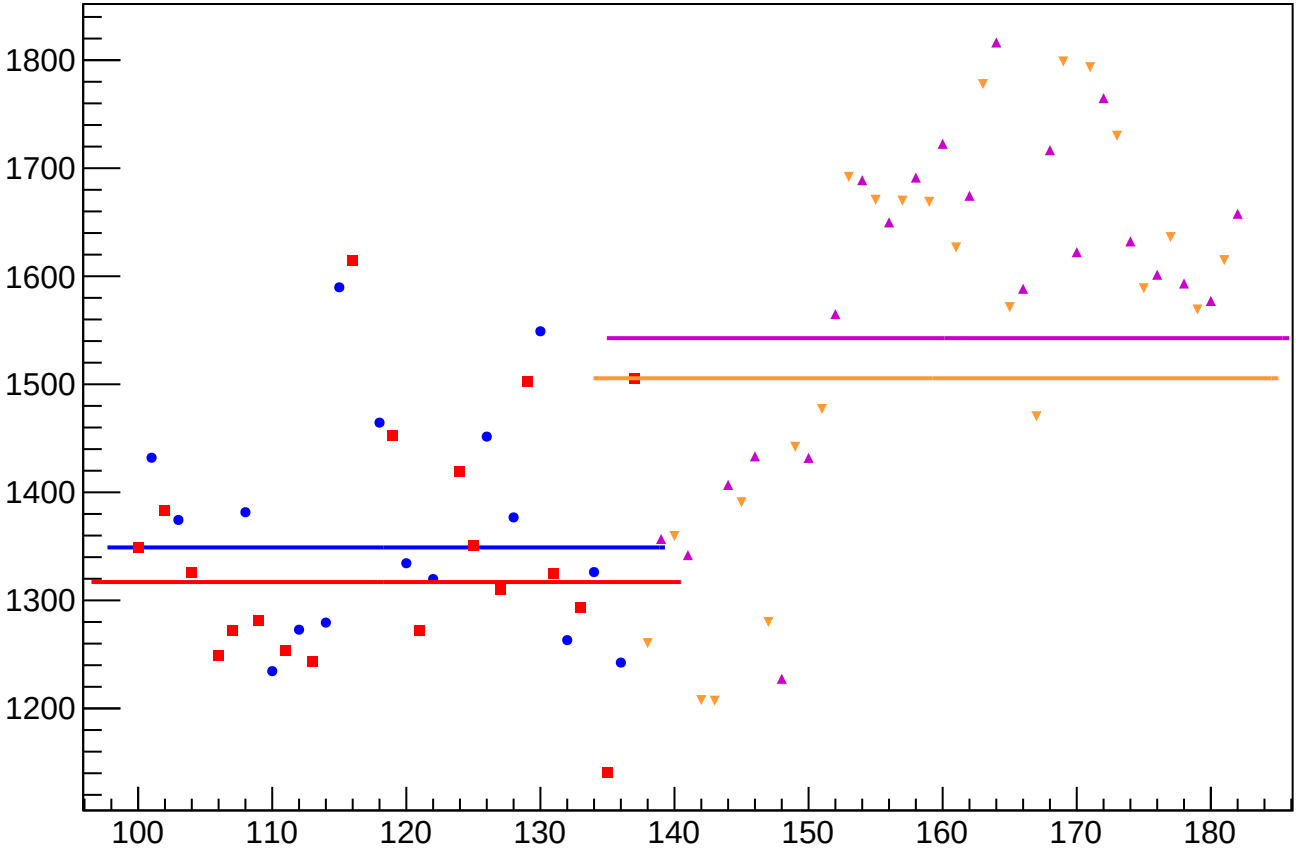
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 2.906+/-0.296 χ^2/NDF:1549.0/37

Out: 3.881+/-0.286 χ^2/NDF:649.2/41

All: 3.410+/-0.206 χ^2/NDF: 2203.8/79

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1505.580+/-0.251 χ^2/NDF:552255.7/22

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1542.706+/-0.259 χ^2/NDF:374354.6/21

Left: 1523.578+/-0.180 χ^2/NDF: 937207.6/44

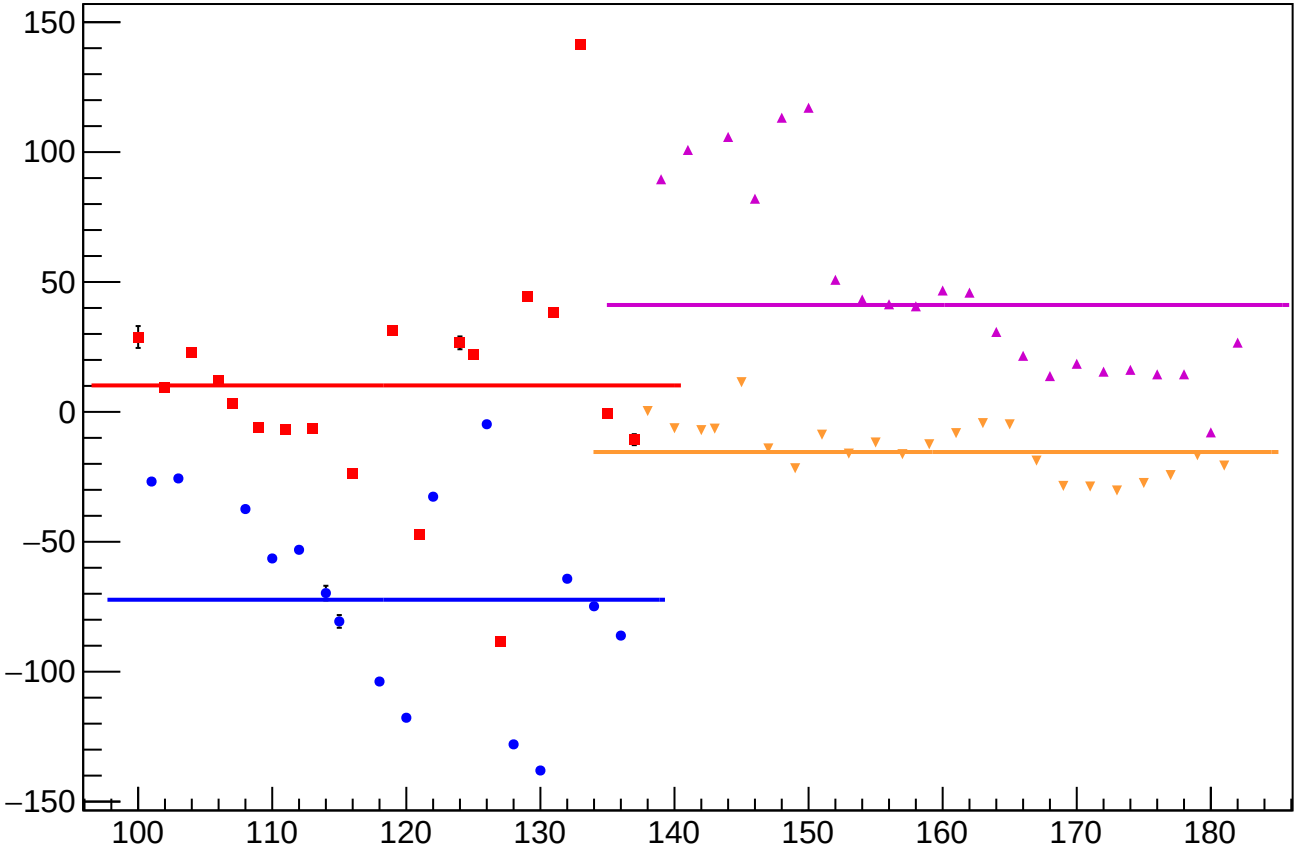
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1475.888+/-0.210 χ^2/NDF:635881.5/37

Out: 1439.427+/-0.202 χ^2/NDF:837017.1/41

All: 1457.022+/-0.146 χ^2/NDF: 1488568.4/79

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -15.441+/-0.189 χ^2/NDF:2826.8/22

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 41.153+/-0.191 χ^2/NDF:31038.8/21

Left: 12.451+/-0.134 χ^2/NDF: 78196.2/44

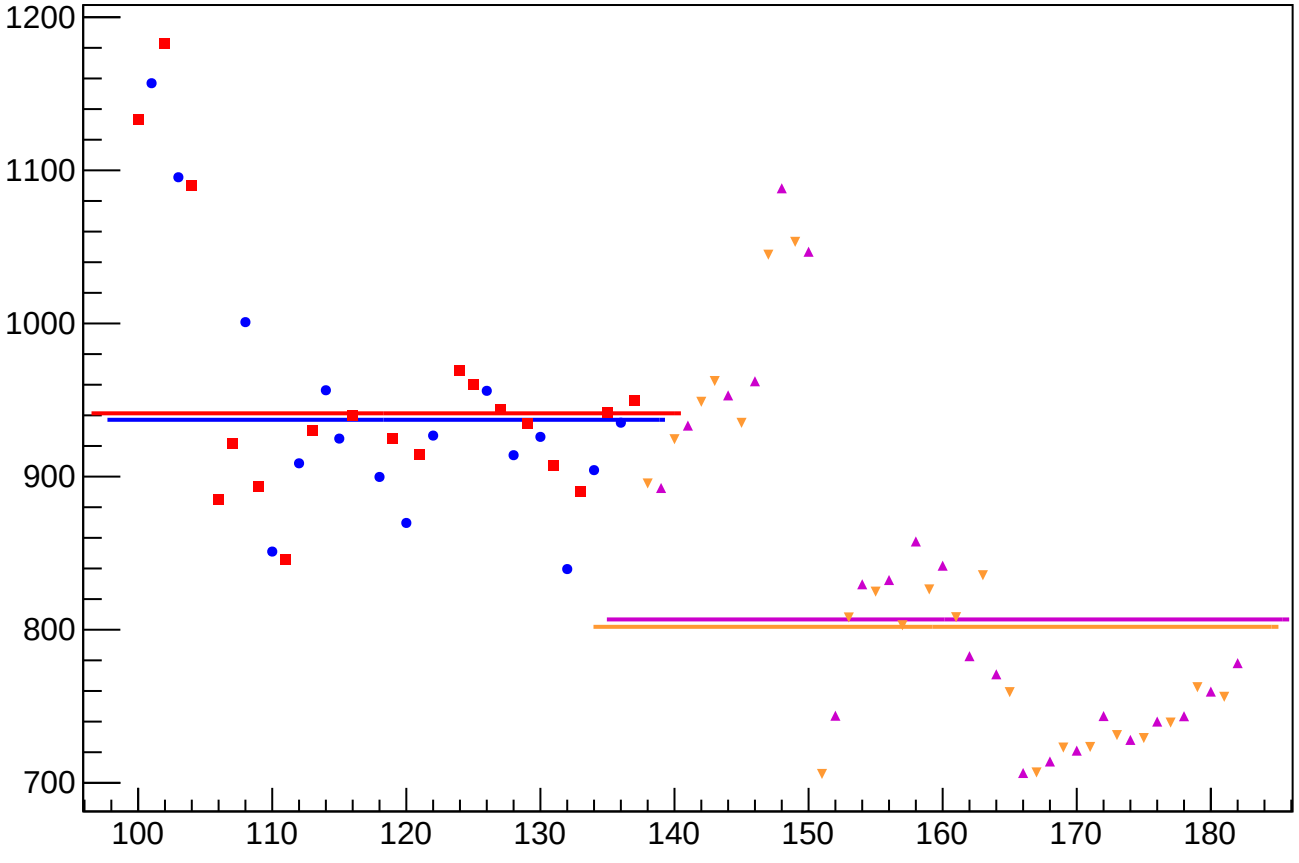
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 14.967+/-0.168 χ^2/NDF:124273.9/37

Out: -9.527+/-0.166 χ^2/NDF:26129.3/41

All: 2.545+/-0.118 χ^2/NDF: 161198.3/79

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 801.897+/-0.133 χ^2/NDF:492525.4/22

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 806.722+/-0.135 χ^2/NDF:511104.9/21

Left: 804.275+/-0.095 χ^2/NDF: 1004274.6/44

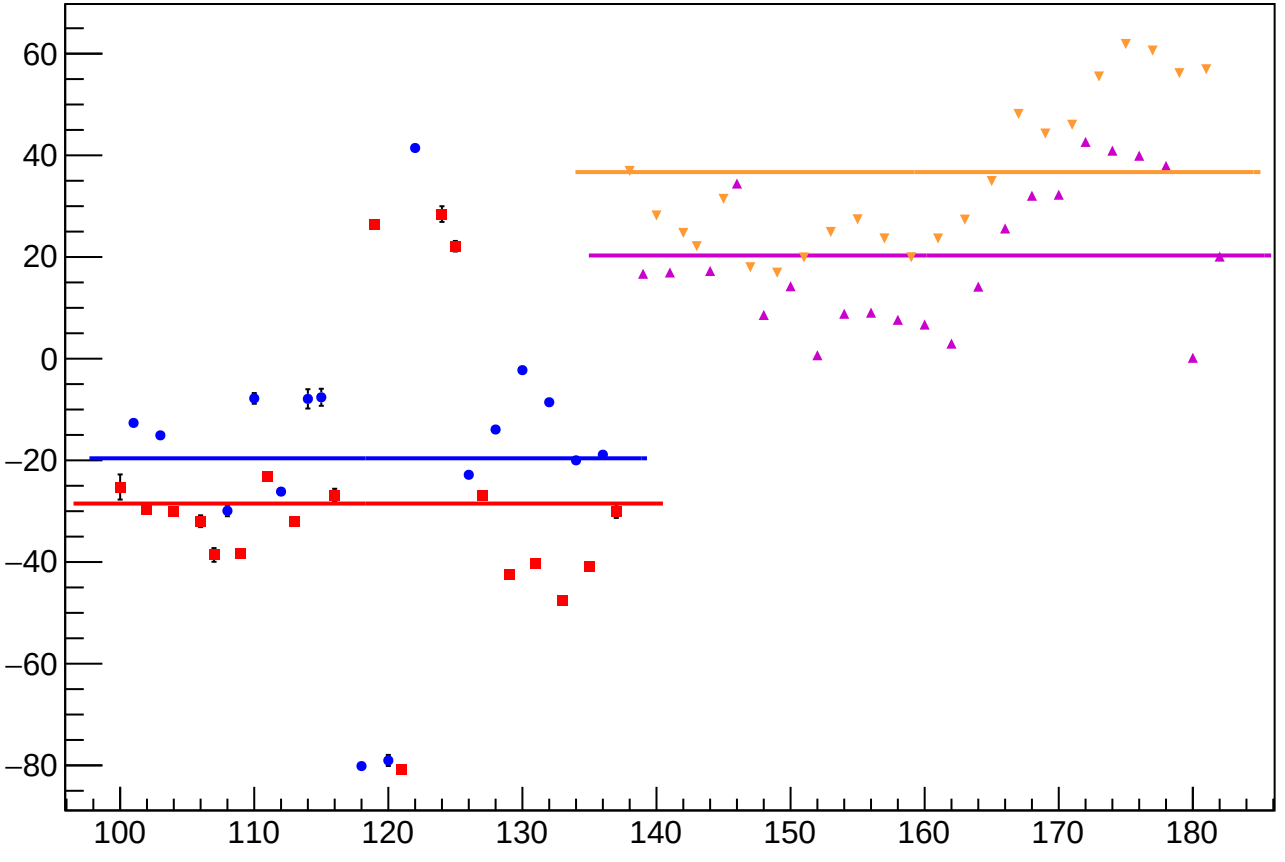
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 836.813+/-0.119 χ^2/NDF:829894.6/37

Out: 834.069+/-0.117 χ^2/NDF:845506.7/41

All: 835.421+/-0.083 χ^2/NDF: 1675672.2/79

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 36.706+/-0.150 χ^2/NDF:10231.1/22

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 20.303+/-0.152 χ^2/NDF:8410.3/21

Left: 28.657+/-0.107 χ^2/NDF: 24539.8/44

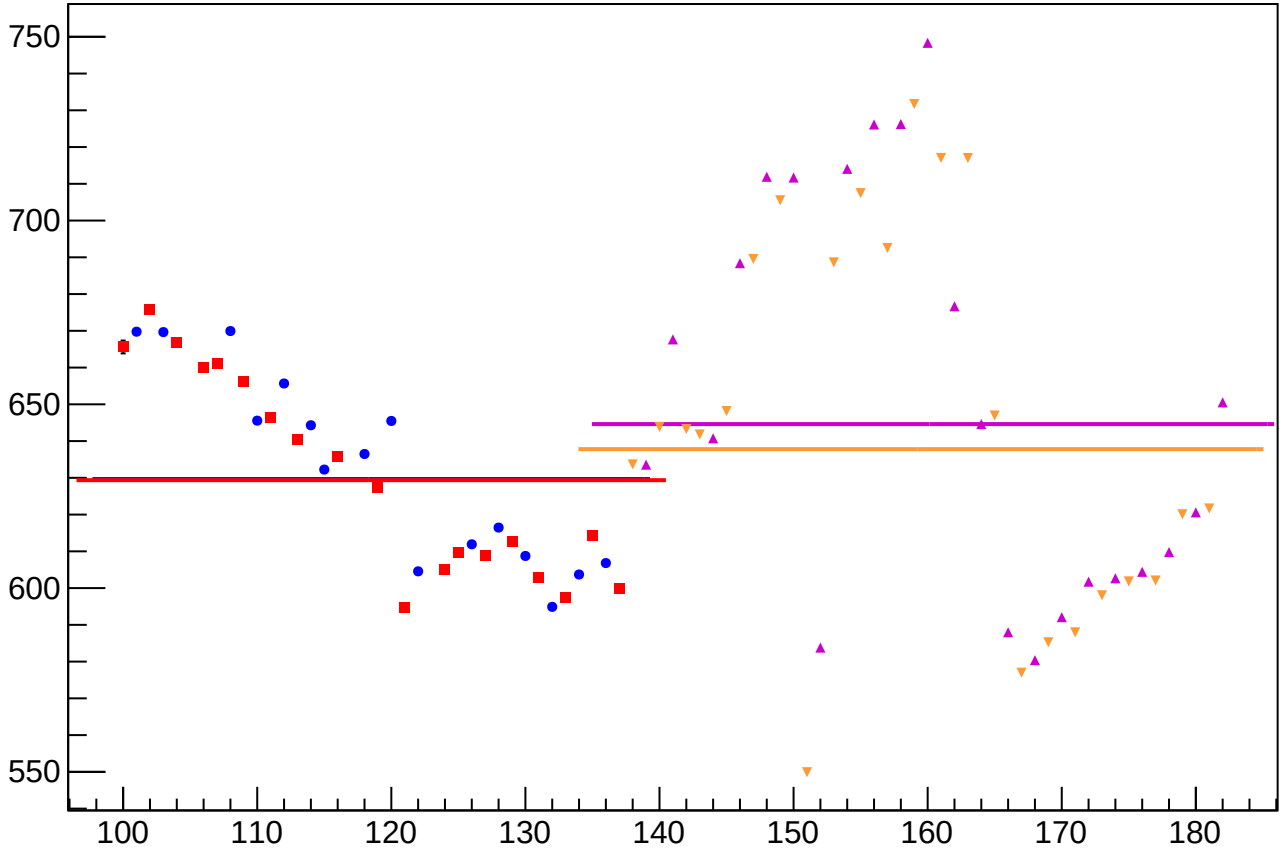
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: 8.420+/-0.128 χ^2/NDF:41986.0/37

Out: 17.281+/-0.125 χ^2/NDF:79784.7/41

All: 12.933+/-0.089 χ^2/NDF: 124222.2/79

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 637.805+/-0.106 χ^2/NDF:236396.6/22

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 644.623+/-0.108 χ^2/NDF:229216.5/21

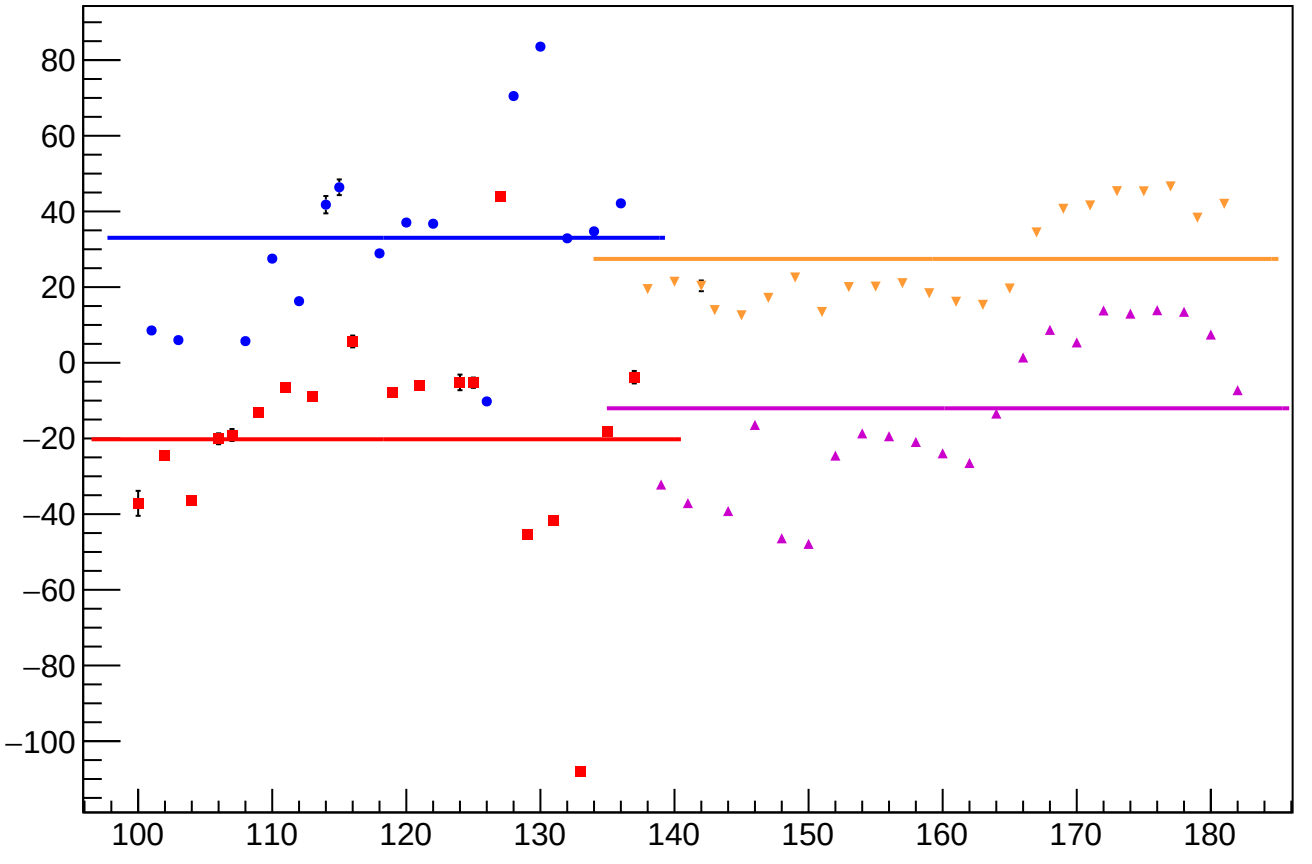
Left: 641.150+/-0.076 χ^2/NDF: 467651.3/44

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 640.167+/-0.090 χ^2/NDF:260271.5/37

Out: 635.289+/-0.089 χ^2/NDF:265085.5/41

All: 637.682+/-0.063 χ^2/NDF: 526842.7/79



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 27.453+/-0.213 χ^2/NDF:3260.0/22

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -12.027+/-0.216 χ^2/NDF:8524.9/21

Left: 7.947+/-0.151 χ^2/NDF: 28763.2/44

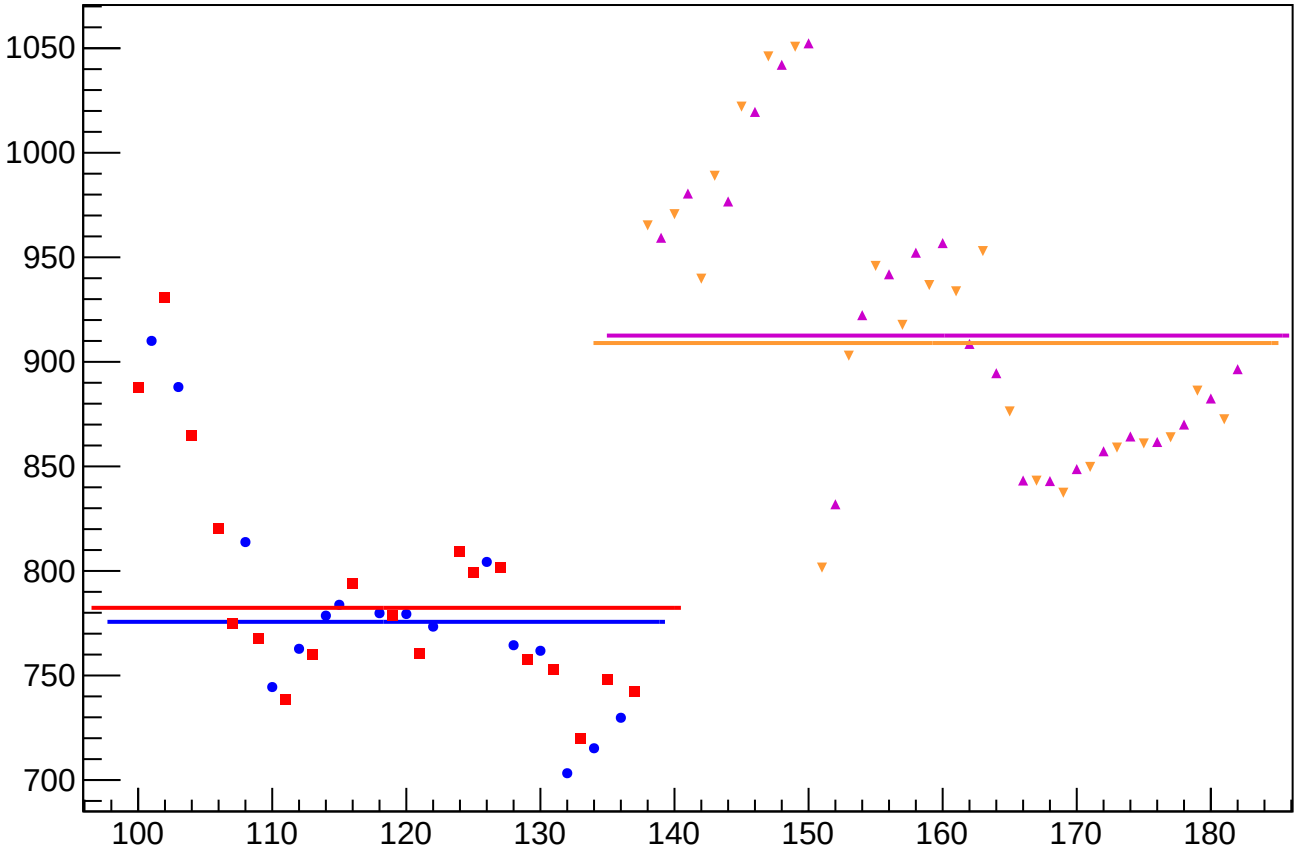
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 4.083+/-0.173 χ^2/NDF:30854.1/37

Out: 10.446+/-0.171 χ^2/NDF:33003.2/41

All: 7.300+/-0.121 χ^2/NDF: 64543.4/79

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 909.003+/-0.151 χ^2/NDF:191811.7/22

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 912.569+/-0.152 χ^2/NDF:174531.8/21

Left: 910.765+/-0.107 χ^2/NDF: 366620.5/44

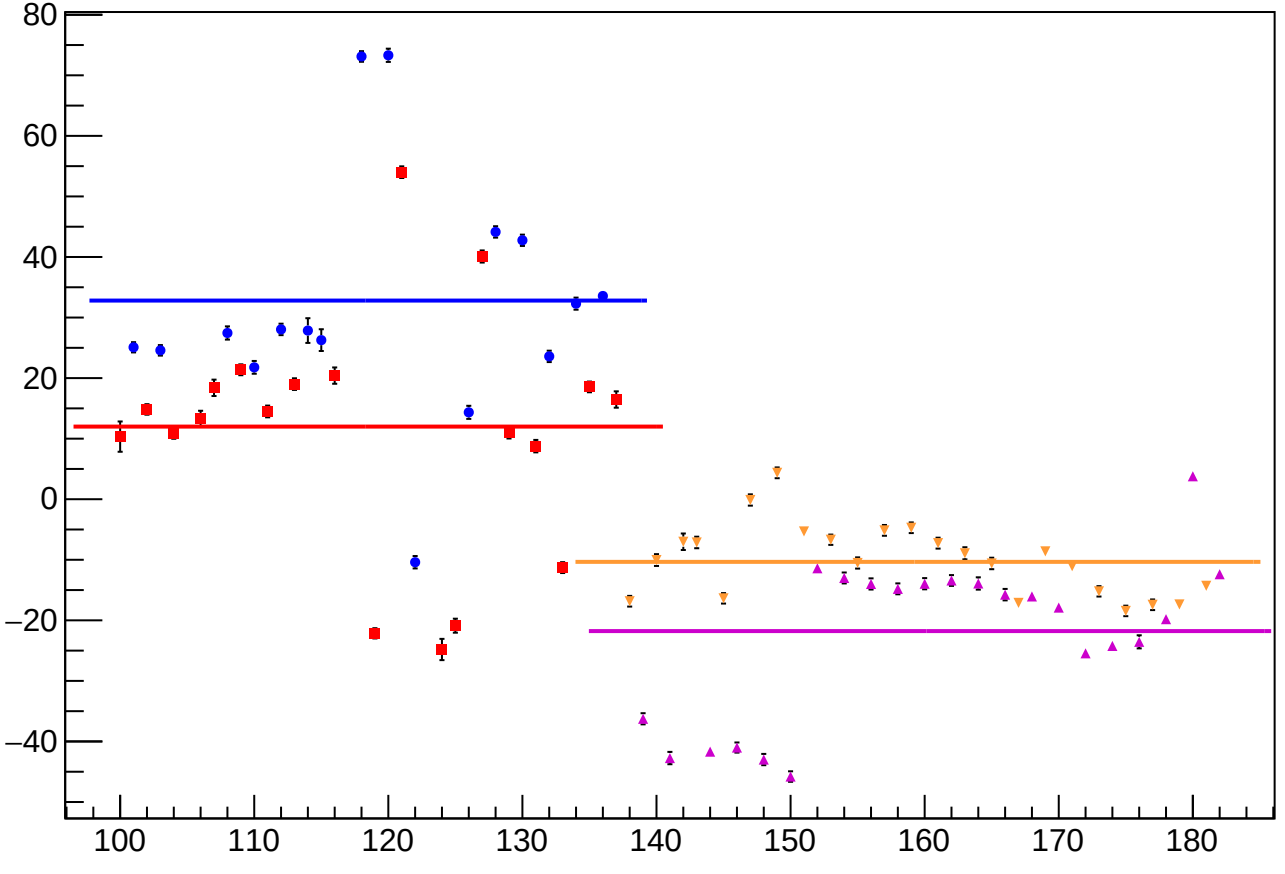
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 863.623+/-0.122 χ^2/NDF:537736.3/37

Out: 863.817+/-0.121 χ^2/NDF:508699.5/41

All: 863.721+/-0.086 χ^2/NDF: 1046437.0/79

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -10.344+/-0.181 χ^2/NDF:1039.5/22

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -21.775+/-0.183 χ^2/NDF:5199.6/21

Left: -15.996+/-0.129 χ^2/NDF: 8201.8/44

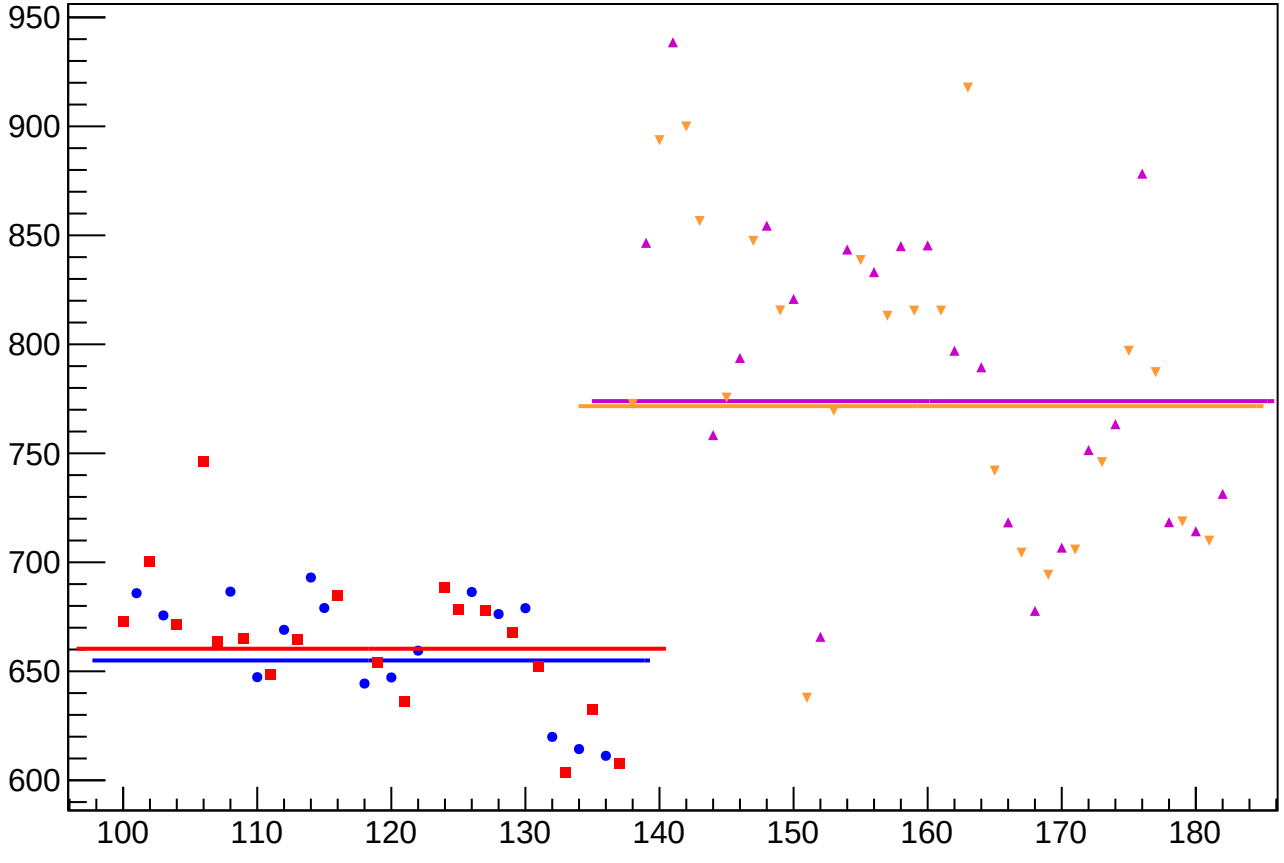
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: -2.012+/-0.147 χ^2/NDF:43501.9/37

Out: -2.269+/-0.145 χ^2/NDF:13078.8/41

All: -2.142+/-0.103 χ^2/NDF: 56582.2/79

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 771.620+/-0.128 χ^2/NDF:300893.1/22

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 773.952+/-0.130 χ^2/NDF:282802.4/21

Left: 772.773+/-0.091 χ^2/NDF: 583858.9/44

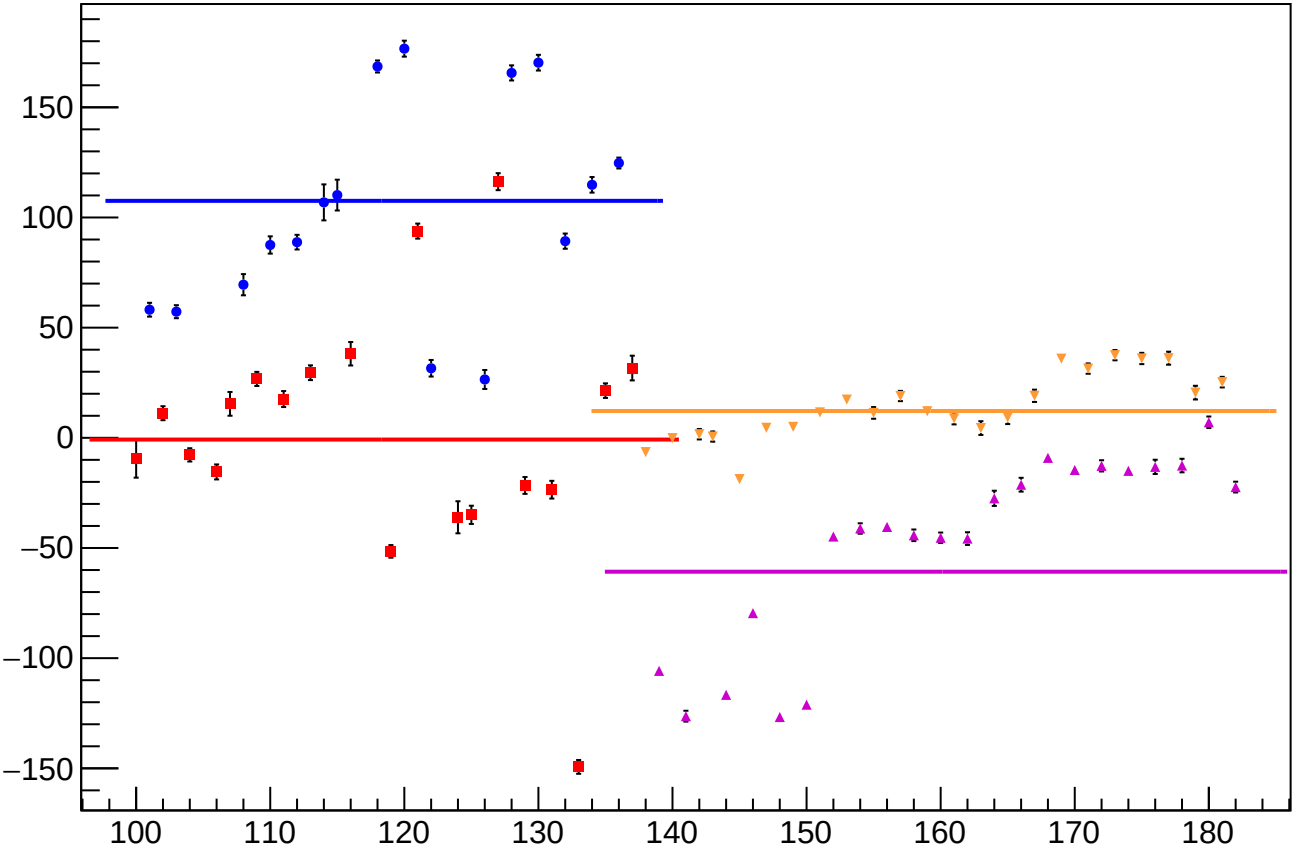
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 730.867+/-0.104 χ^2/NDF:614110.5/37

Out: 731.397+/-0.103 χ^2/NDF:603218.4/41

All: 731.135+/-0.073 χ^2/NDF: 1217342.1/79

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 12.176+/-0.481 χ^2/NDF:941.4/22

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -60.763+/-0.484 χ^2/NDF:8628.5/21

Left: -24.078+/-0.341 χ^2/NDF: 20998.9/44

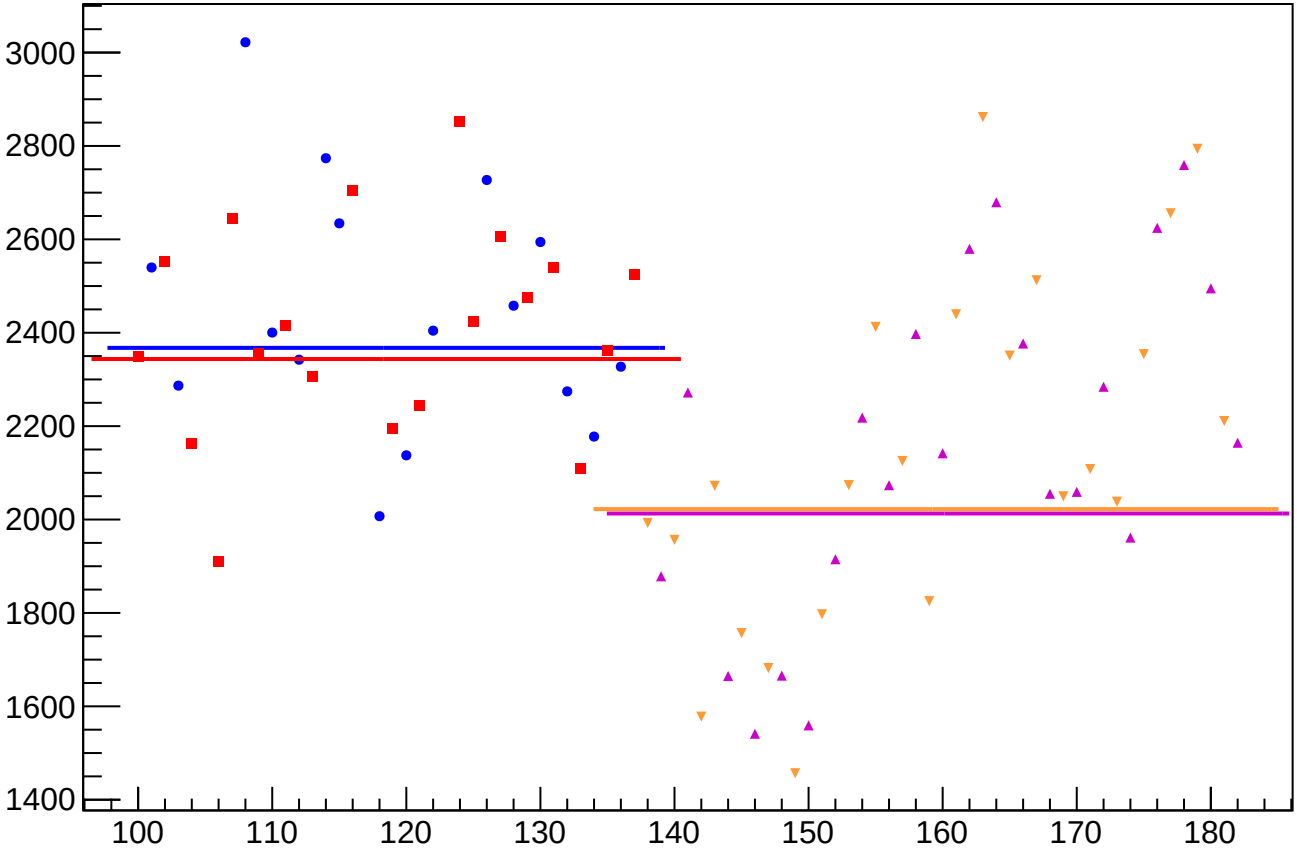
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -22.052+/-0.425 χ^2/NDF:39413.5/37

Out: 9.091+/-0.420 χ^2/NDF:5878.2/41

All: -6.307+/-0.299 χ^2/NDF: 48011.6/79

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 2022.314+/-0.340 χ^2/NDF:1062044.9/22

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 2012.903+/-0.342 χ^2/NDF:1036334.1/21

Left: 2017.636+/-0.241 χ^2/NDF: 2098759.4/44

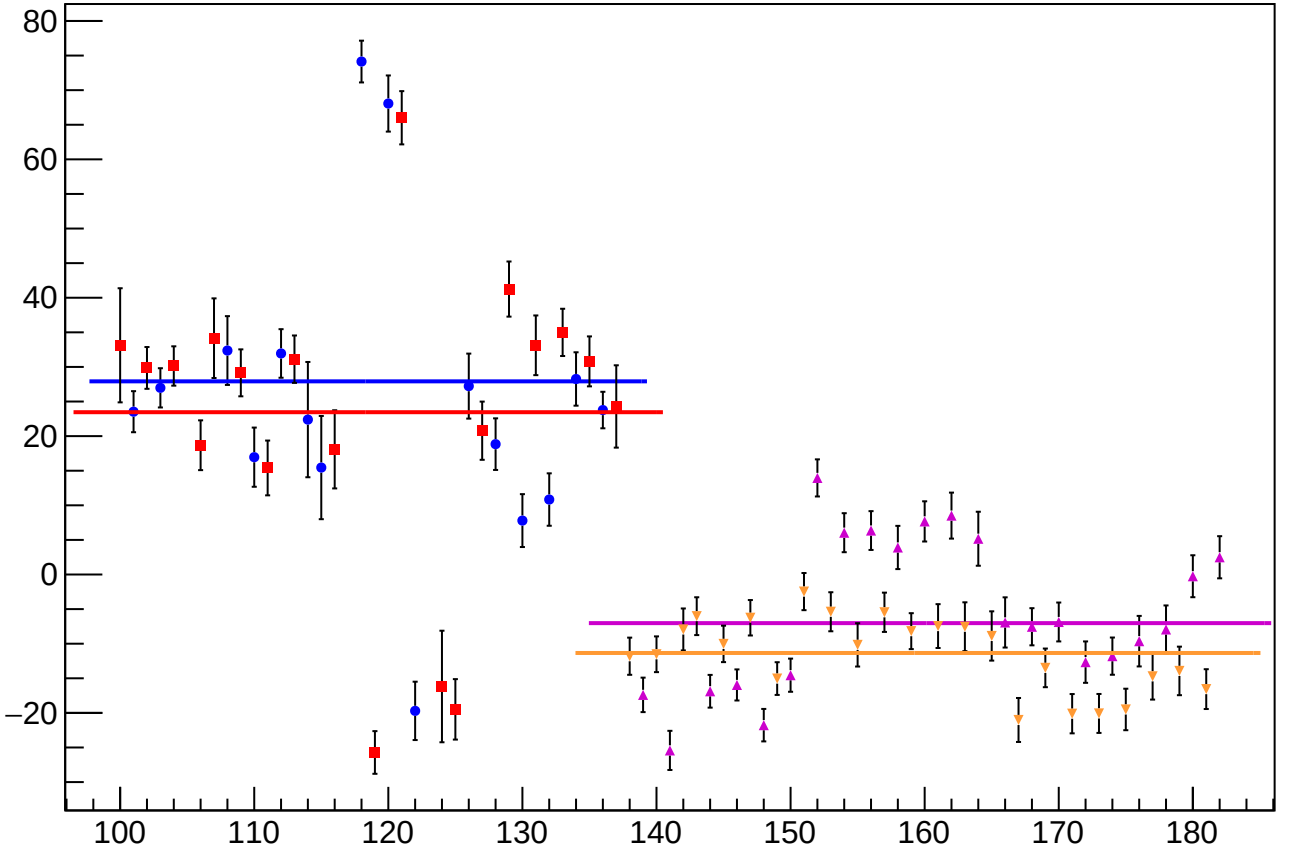
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2094.491+/-0.300 χ^2/NDF:1410327.0/37

Out: 2098.786+/-0.297 χ^2/NDF:1386770.2/41

All: 2096.662+/-0.211 χ^2/NDF: 2797200.7/79

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -11.340+/-0.599 χ^2/NDF:77.5/22

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.026+/-0.603 χ^2/NDF:339.2/21

Left: -9.195+/-0.425 χ^2/NDF: 442.4/44

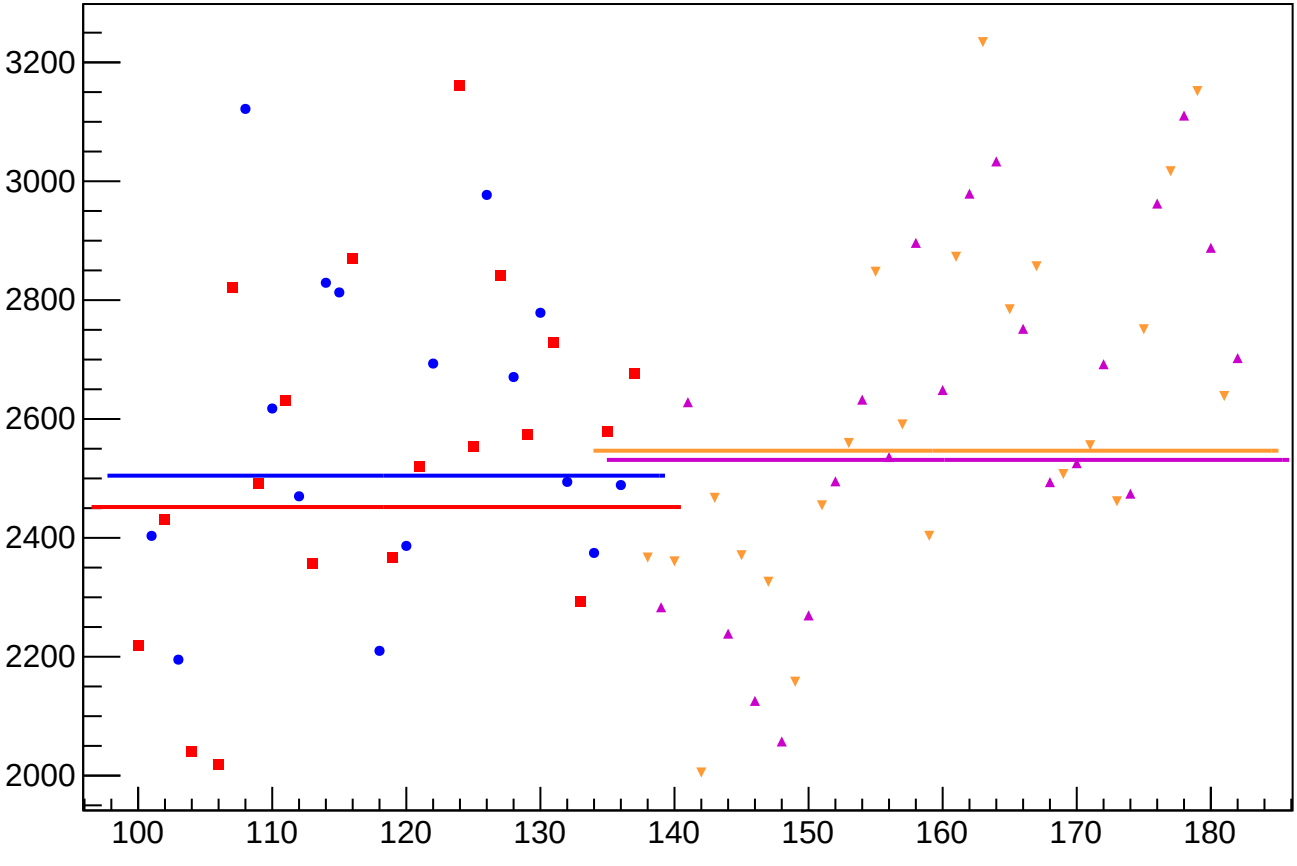
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 3.201+/-0.507 χ^2/NDF:1854.0/37

Out: -0.692+/-0.499 χ^2/NDF:1676.8/41

All: 1.225+/-0.356 χ^2/NDF: 3560.7/79

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2546.666+/-0.424 χ^2/NDF:427423.2/22

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2531.188+/-0.426 χ^2/NDF:458420.0/21

Left: 2538.969+/-0.300 χ^2/NDF: 886506.4/44

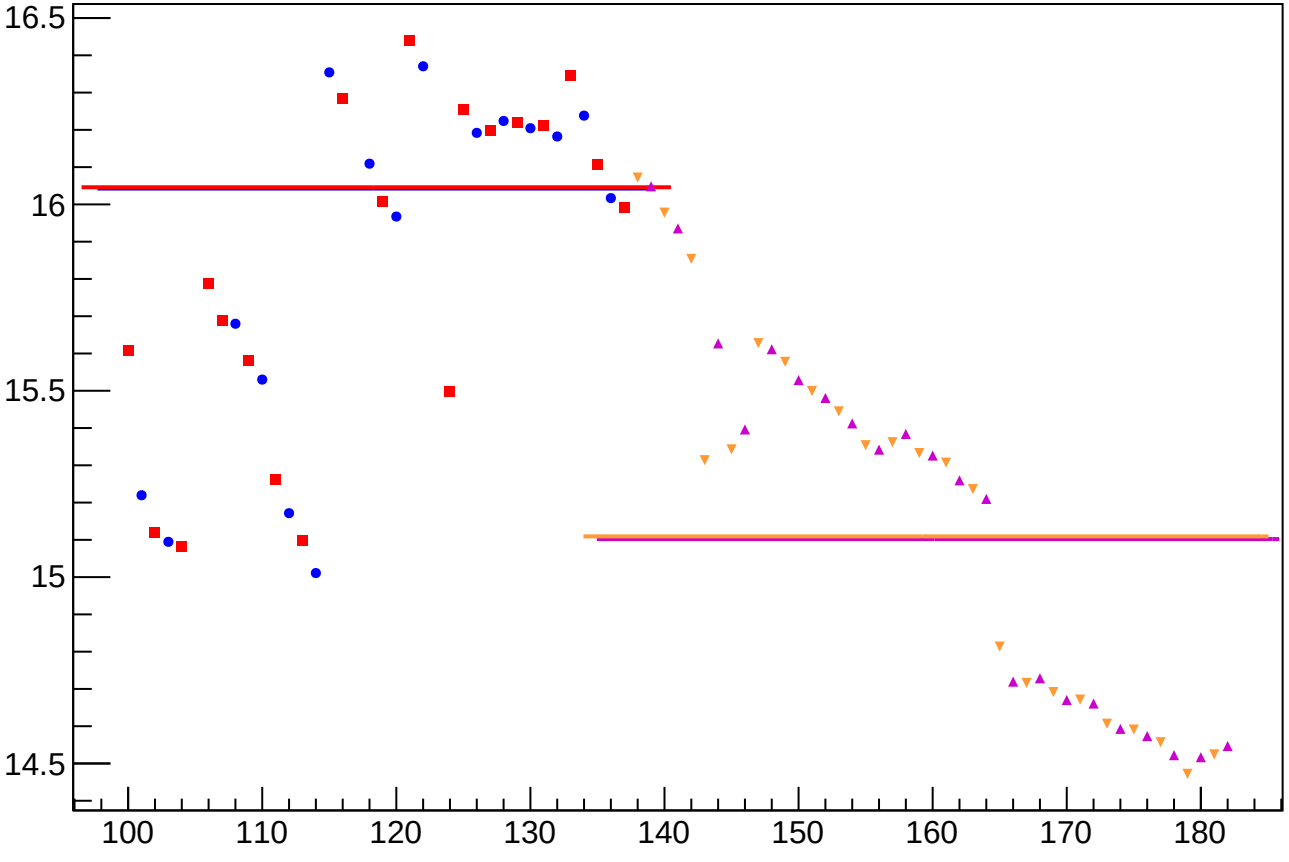
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2523.422+/-0.358 χ^2/NDF:586154.1/37

Out: 2517.661+/-0.353 χ^2/NDF:595966.5/41

All: 2520.499+/-0.252 χ^2/NDF: 1182251.7/79

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.109+/-0.000 χ^2/NDF:39799046147.8/22

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.102+/-0.000 χ^2/NDF:37848825688.4/21

Left: 15.106+/-0.000 χ^2/NDF: 77652044195.9/44

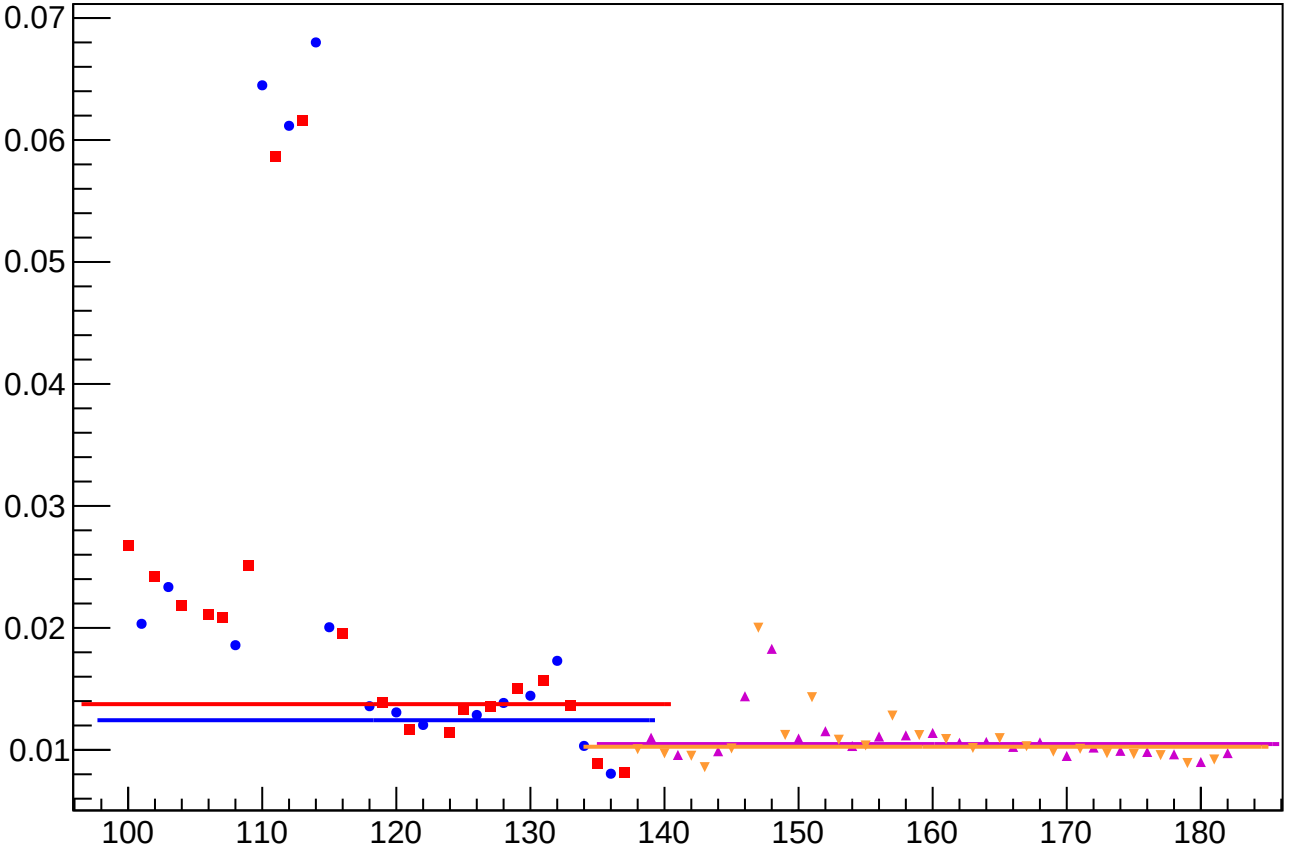
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.279+/-0.000 χ^2/NDF:66276275635.2/37

Out: 15.255+/-0.000 χ^2/NDF:65630302066.4/41

All: 15.267+/-0.000 χ^2/NDF: 131958692903.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:751826.6/22

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.010+/-0.000 χ^2/NDF:567348.8/21

Left: 0.010+/-0.000 χ^2/NDF: 1326842.0/44

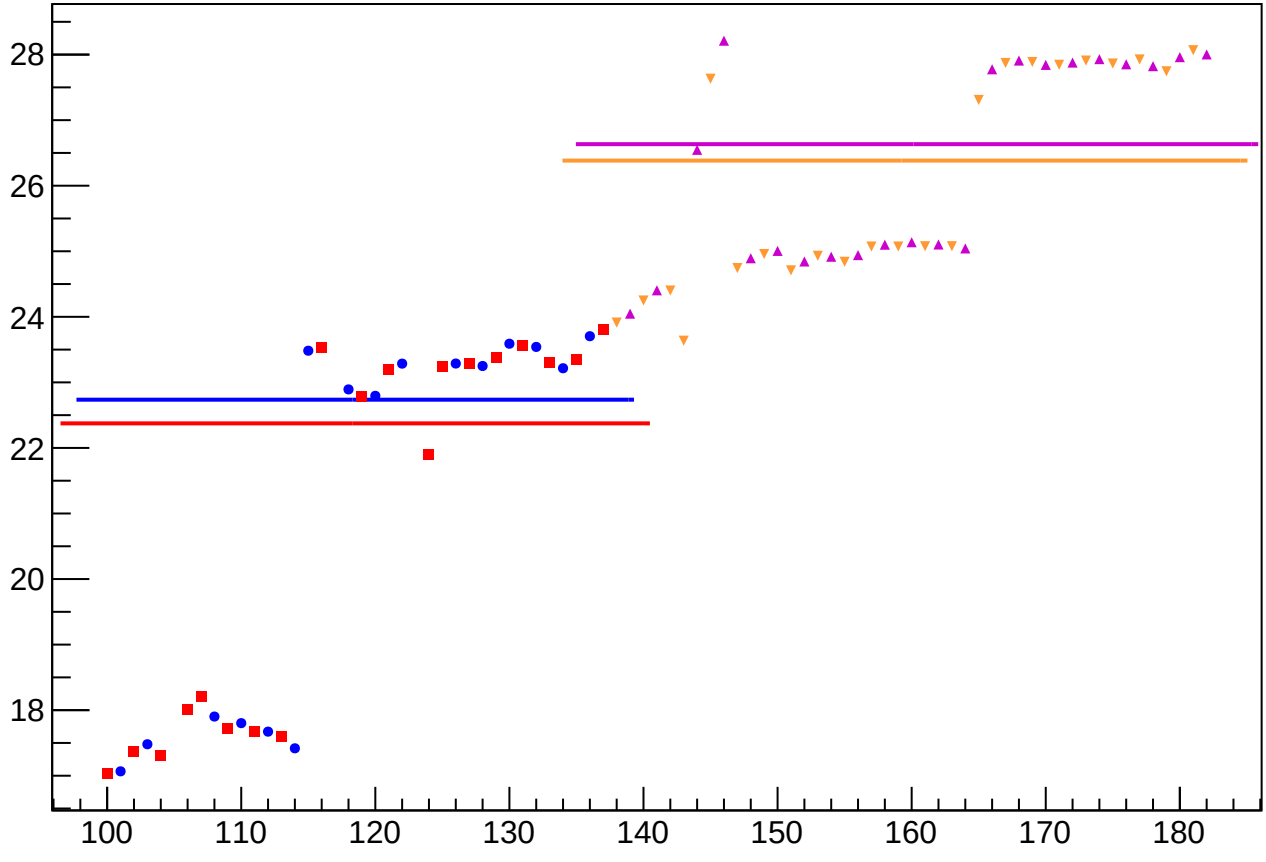
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:3105242.5/37

Out: 0.011+/-0.000 χ^2/NDF:3602009.6/41

All: 0.011+/-0.000 χ^2/NDF: 6707599.5/79

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 26.383+/-0.000 χ^2/NDF:3642424877.2/22

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 26.634+/-0.000 χ^2/NDF:2844331803.0/21

Left: 26.506+/-0.000 χ^2/NDF: 6529288550.7/44

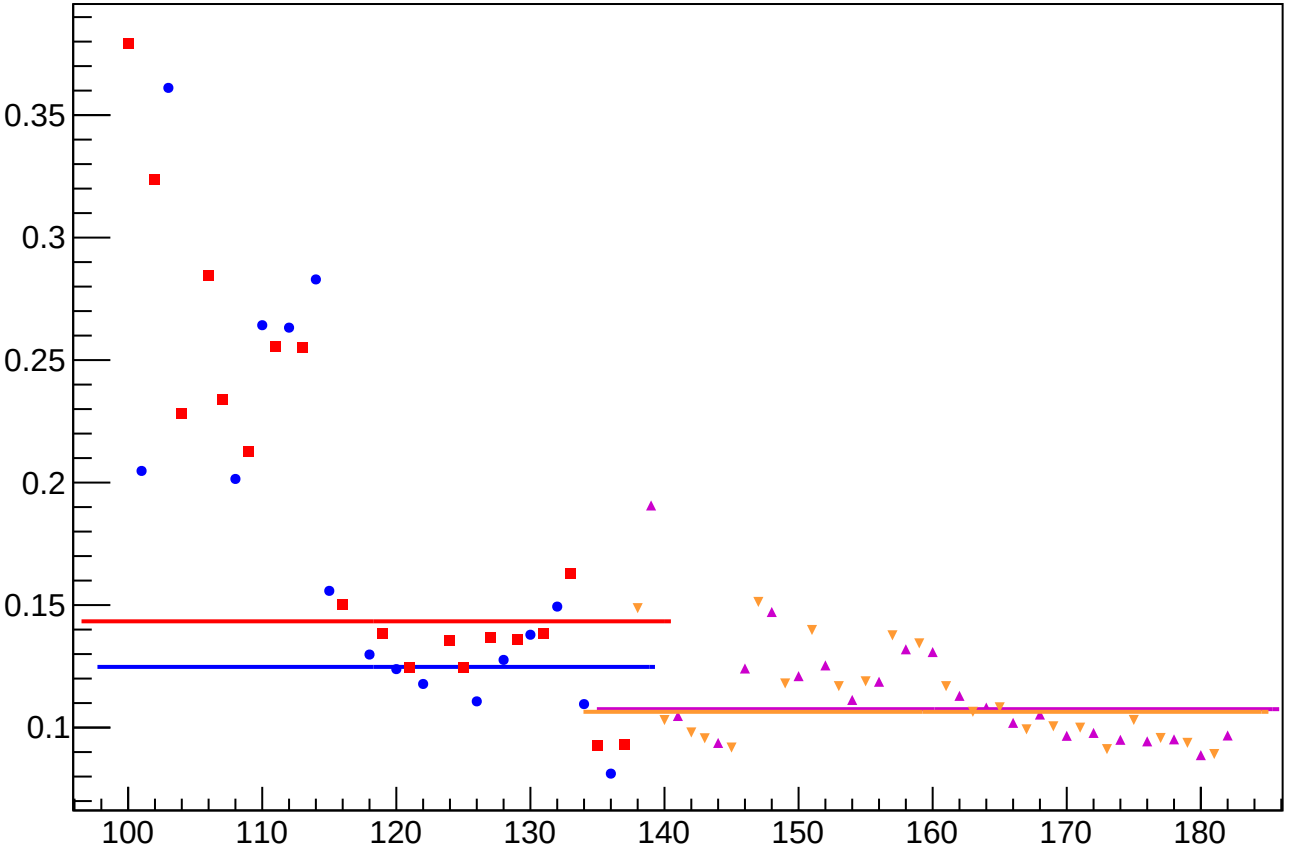
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 25.834+/-0.000 χ^2/NDF:8213979910.3/37

Out: 25.709+/-0.000 χ^2/NDF:8594323235.0/41

All: 25.772+/-0.000 χ^2/NDF: 16821403919.3

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.106+/-0.000 χ^2/NDF:738308.3/22

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.108+/-0.000 χ^2/NDF:851569.3/21

Left: 0.107+/-0.000 χ^2/NDF: 1591460.6/44

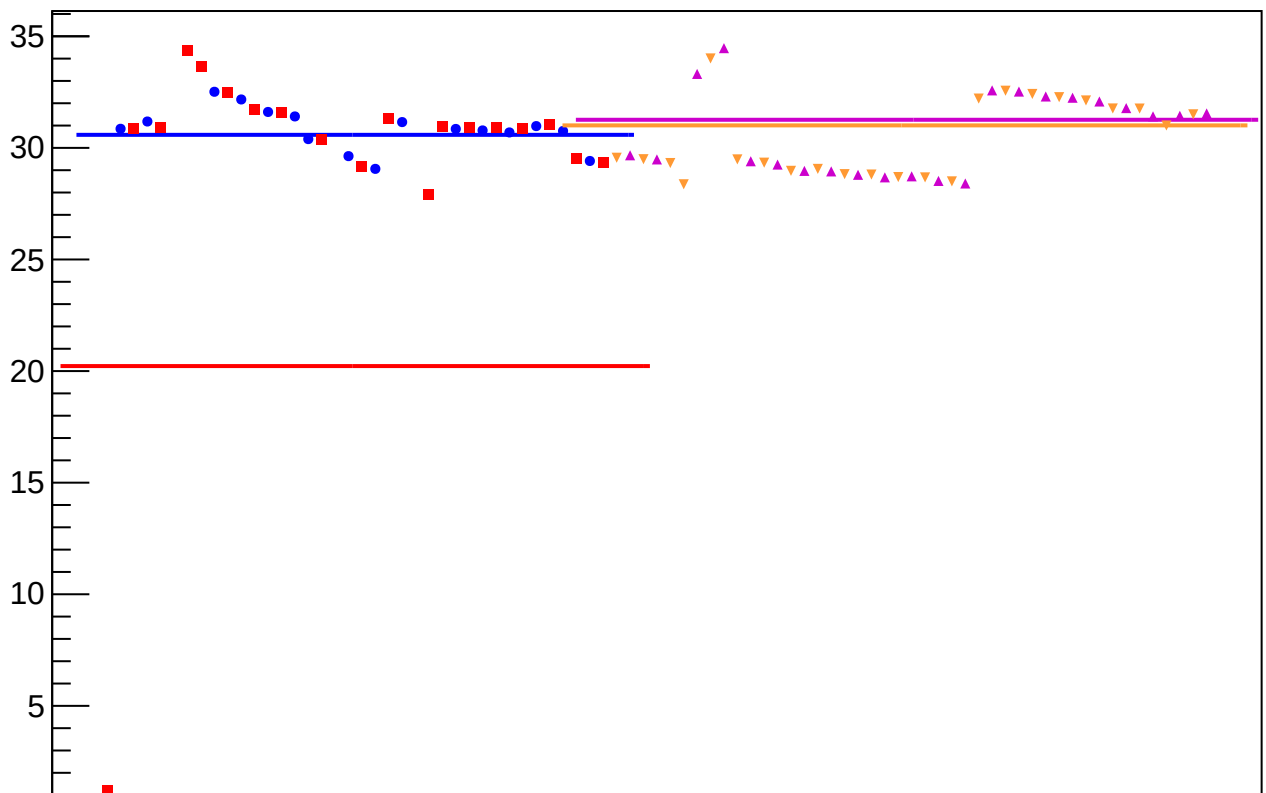
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.111+/-0.000 χ^2/NDF:2763893.6/37

Out: 0.113+/-0.000 χ^2/NDF:2942786.1/41

All: 0.112+/-0.000 χ^2/NDF: 5710921.7/79

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 31.008+/-0.000 χ^2/NDF:11845724016.4/22

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 31.260+/-0.000 χ^2/NDF:12585319946.9/21

Left: 31.134+/-0.000 χ^2/NDF: 24559243643.5/44

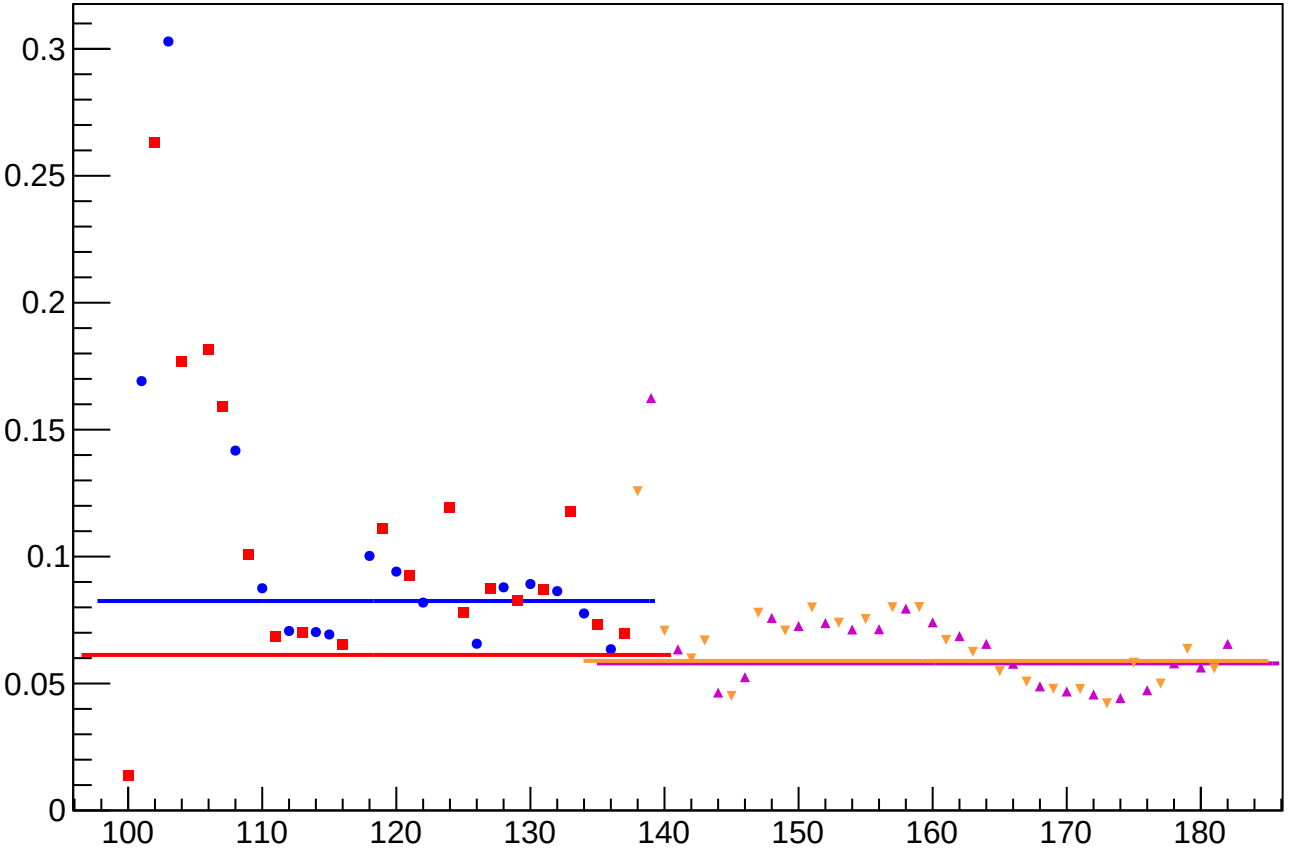
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.152+/-0.000 χ^2/NDF:13533951398.3/37

Out: 28.714+/-0.000 χ^2/NDF:332730898217.1/41

All: 29.899+/-0.000 χ^2/NDF: 361040182127.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.059+/-0.000 χ^2/NDF:1507918.8/22

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.058+/-0.000 χ^2/NDF:1714631.2/21

Left: 0.058+/-0.000 χ^2/NDF: 3226468.0/44

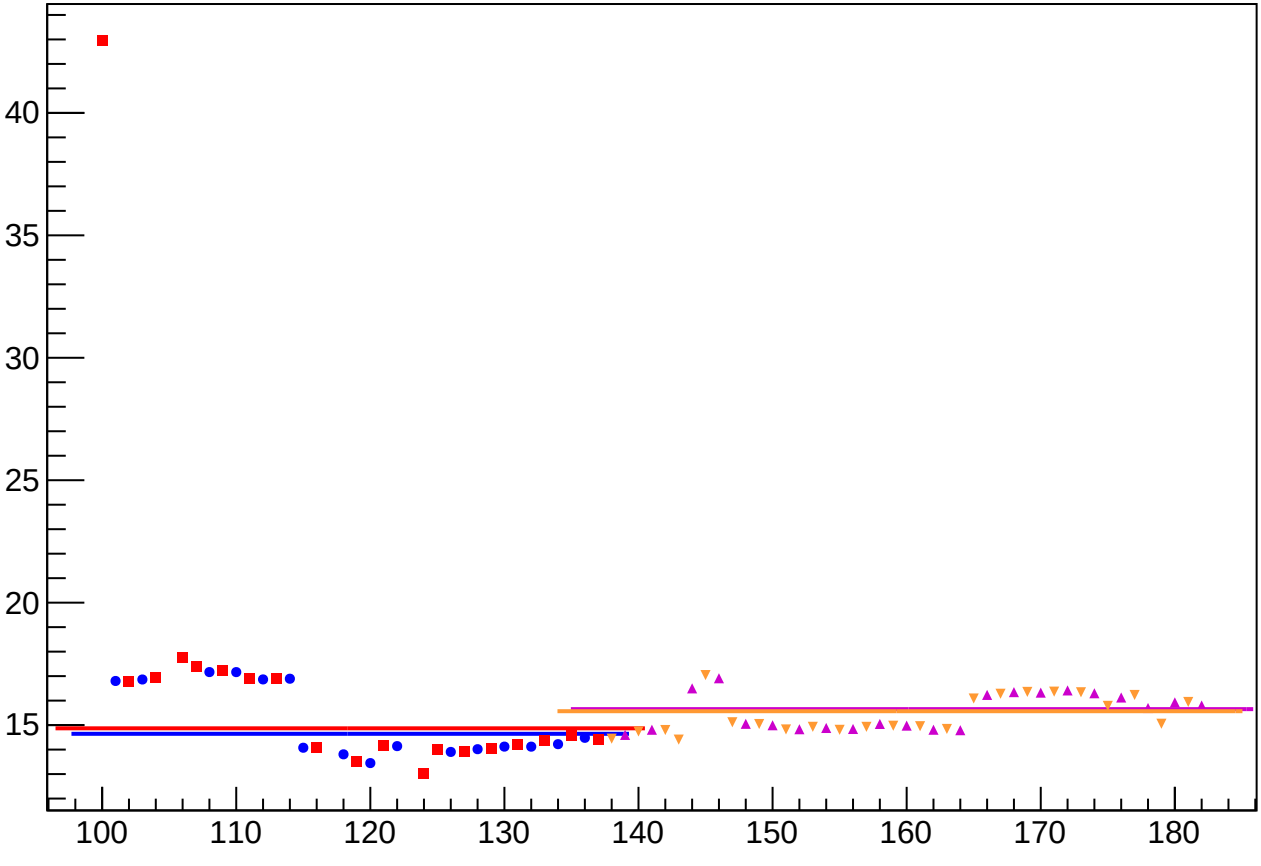
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.062+/-0.000 χ^2/NDF:3761151.2/37

Out: 0.059+/-0.000 χ^2/NDF:5531717.6/41

All: 0.061+/-0.000 χ^2/NDF: 9322628.9/79

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.567+/-0.000 χ^2/NDF:2198787215.8/22

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.652+/-0.000 χ^2/NDF:1845142902.5/21

Left: 15.609+/-0.000 χ^2/NDF: 4056847398.4/44

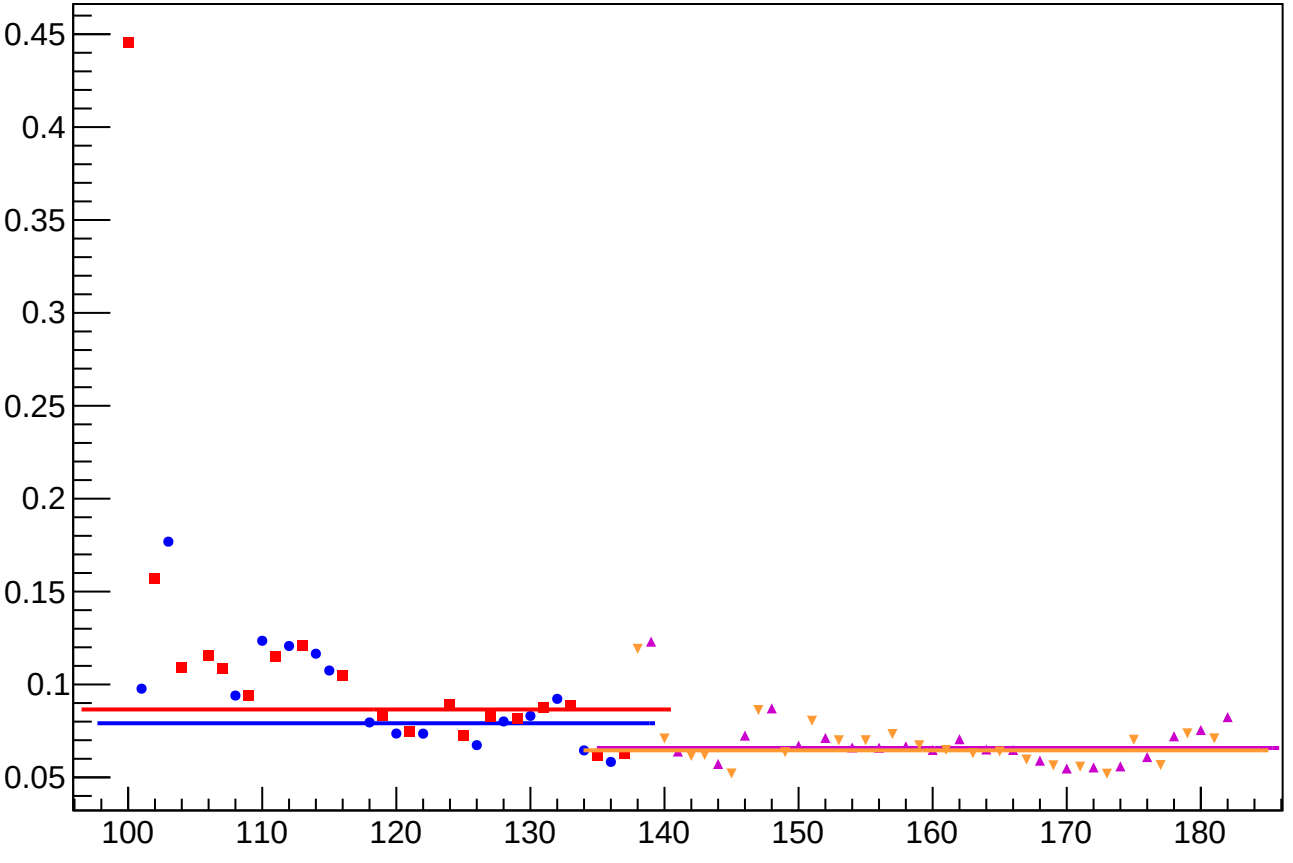
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.440+/-0.000 χ^2/NDF:3791560732.2/37

Out: 15.441+/-0.000 χ^2/NDF:4257284120.7/41

All: 15.441+/-0.000 χ^2/NDF: 8048845398.9/7

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.065+/-0.000 χ^2/NDF:807841.5/22

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.066+/-0.000 χ^2/NDF:784183.6/21

Left: 0.065+/-0.000 χ^2/NDF: 1597716.3/44

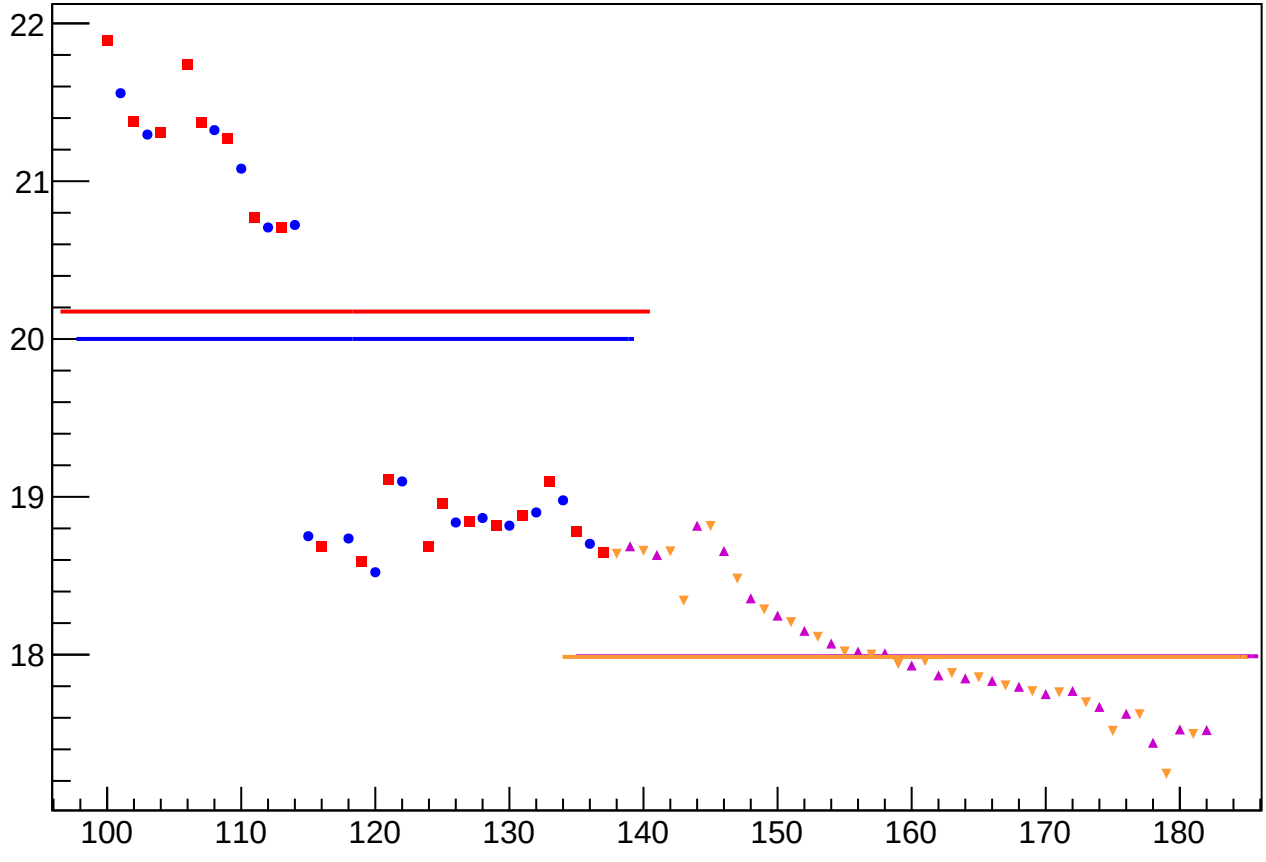
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.069+/-0.000 χ^2/NDF:1965425.6/37

Out: 0.069+/-0.000 χ^2/NDF:2251207.6/41

All: 0.069+/-0.000 χ^2/NDF: 4216654.7/79

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 17.986+/-0.000 χ^2/NDF:2850403422.8/22

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 17.990+/-0.000 χ^2/NDF:2599720196.3/21

Left: 17.988+/-0.000 χ^2/NDF: 5450293778.0/44

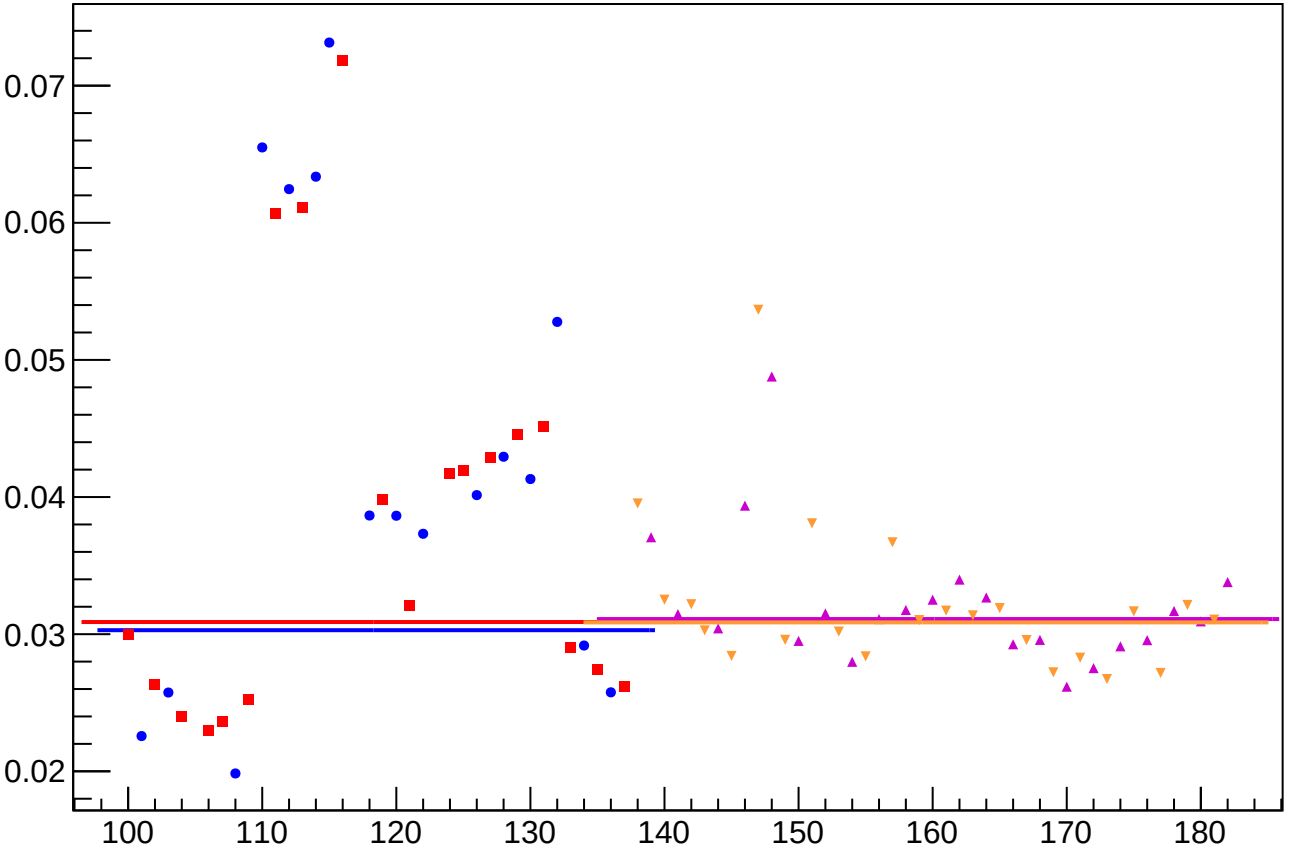
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.532+/-0.000 χ^2/NDF:32671770576.0/37

Out: 18.563+/-0.000 χ^2/NDF:36258880721.5/41

All: 18.548+/-0.000 χ^2/NDF: 68942951037.2

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.031+/-0.000 χ^2/NDF:605483.8/22

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:479814.5/21

Left: 0.031+/-0.000 χ^2/NDF: 1086353.4/44

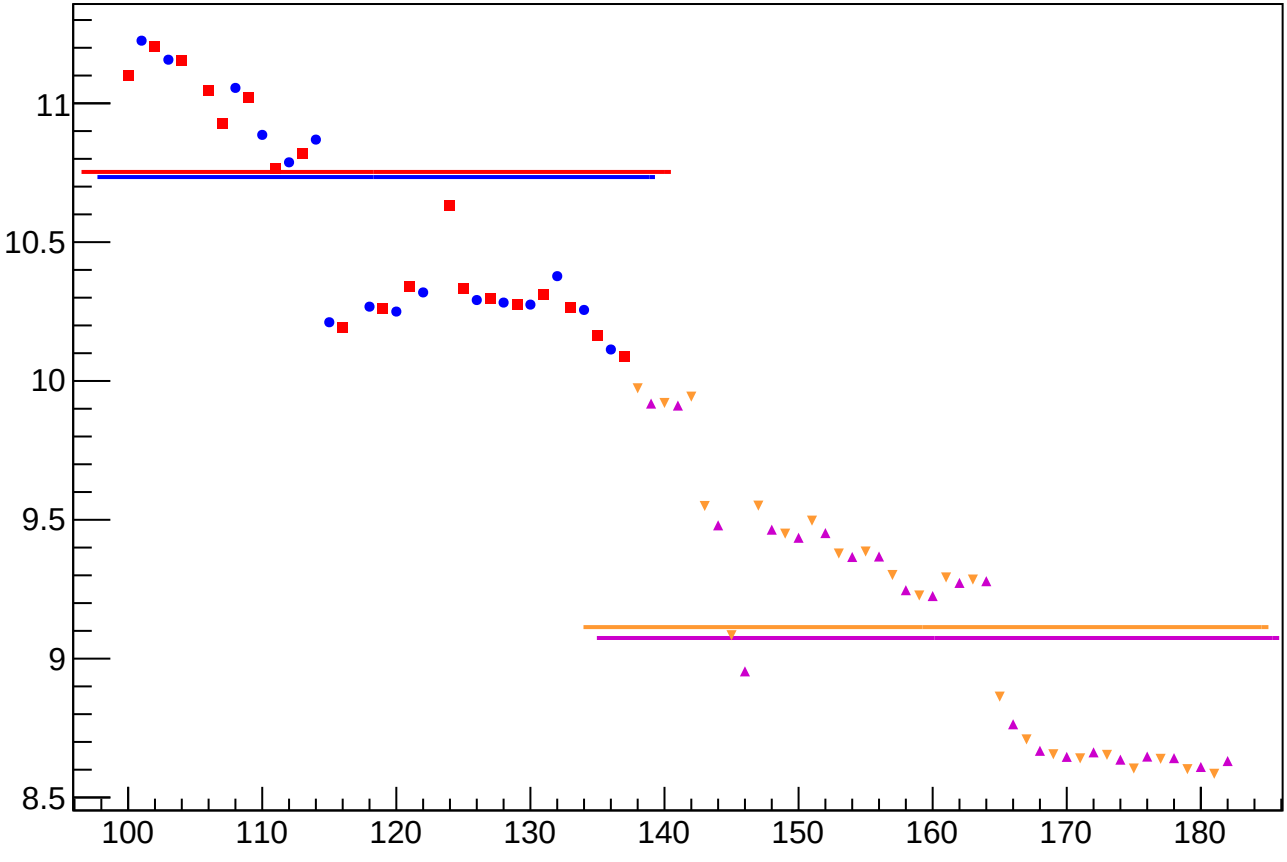
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1933459.4/37

Out: 0.031+/-0.000 χ^2/NDF:1810220.2/41

All: 0.031+/-0.000 χ^2/NDF: 3743686.6/79

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.114+/-0.000 χ^2/NDF:9593570878.7/22

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.074+/-0.000 χ^2/NDF:7891595145.0/21

Left: 9.094+/-0.000 χ^2/NDF: 17519780472.1/44

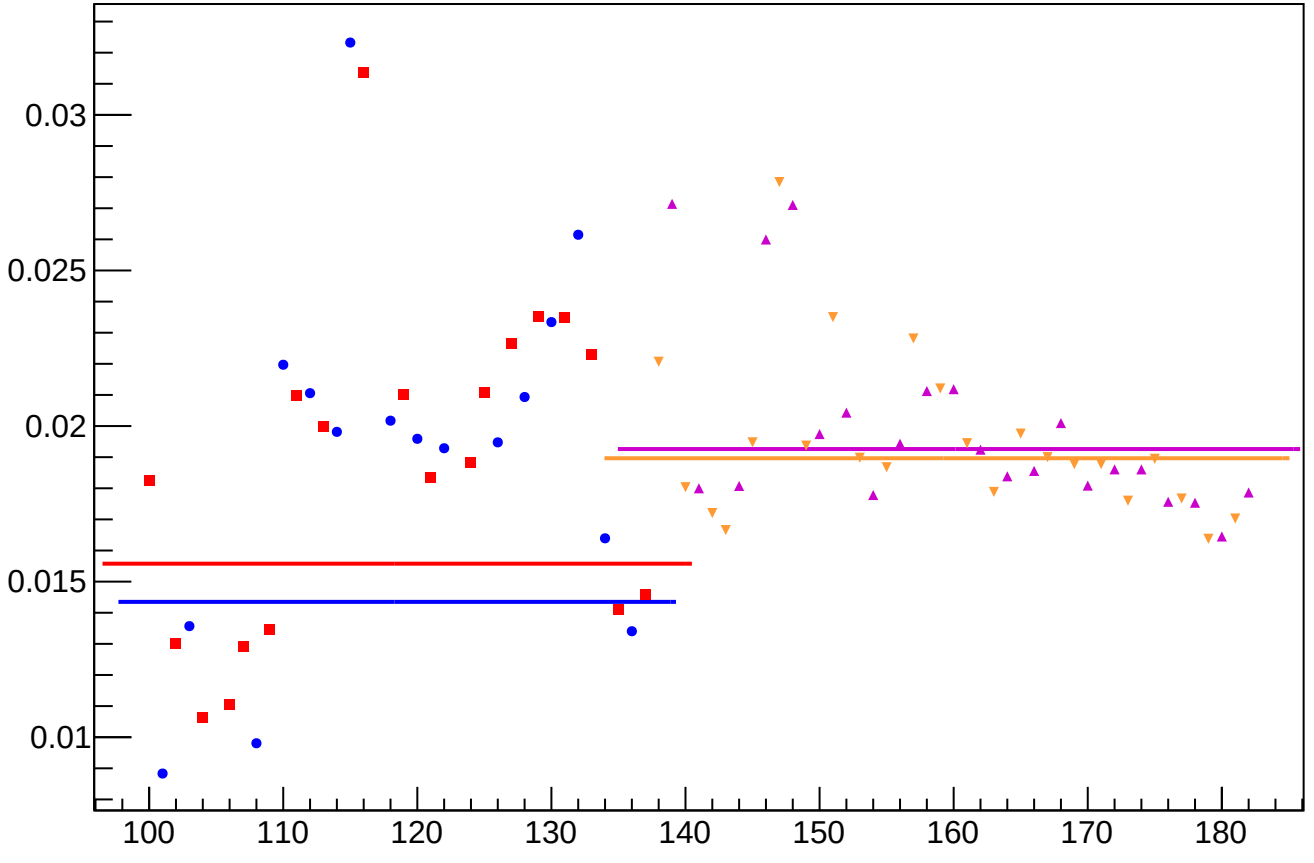
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 9.715+/-0.000 χ^2/NDF:60491282238.1/37

Out: 9.697+/-0.000 χ^2/NDF:58109480619.8/41

All: 9.706+/-0.000 χ^2/NDF: 118613325524.8

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:433542.5/22

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.019+/-0.000 χ^2/NDF:536862.7/21

Left: 0.019+/-0.000 χ^2/NDF: 974343.0/44

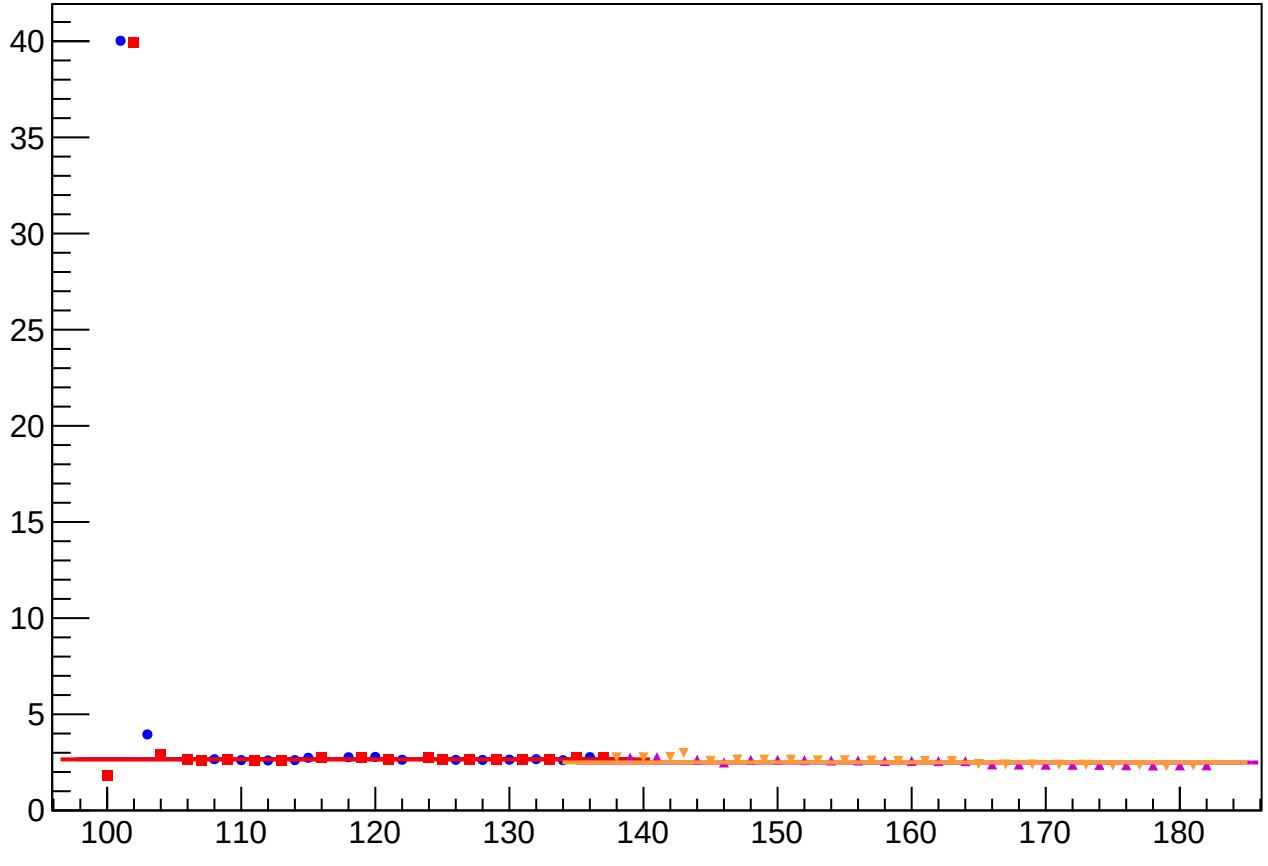
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2836709.3/37

Out: 0.018+/-0.000 χ^2/NDF:1883088.5/41

All: 0.018+/-0.000 χ^2/NDF: 4730999.7/79

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.499+/-0.000 χ^2/NDF:88458220479.9/22

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.492+/-0.000 χ^2/NDF:59183400284.4/21

Left: 2.496+/-0.000 χ^2/NDF: 147734432069.3/44

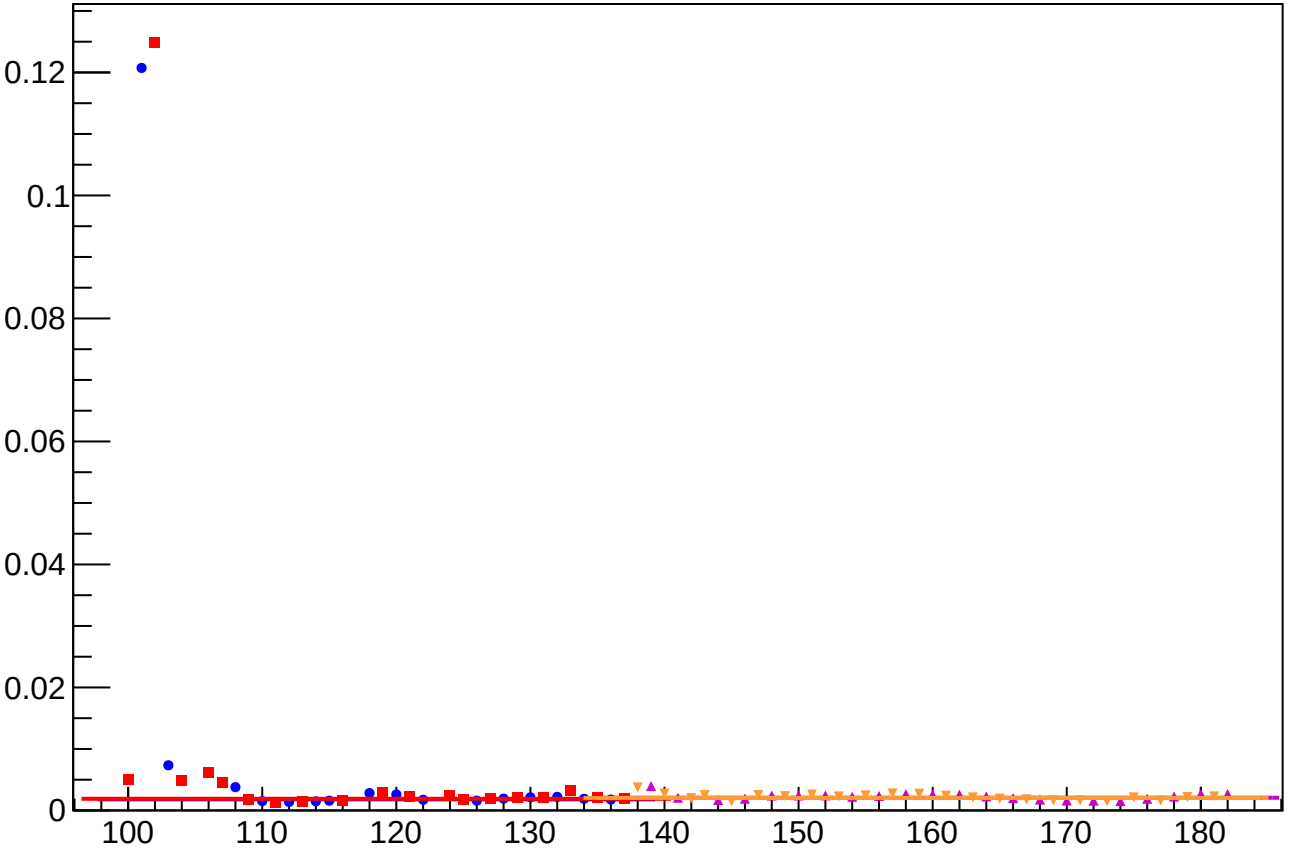
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.543+/-0.000 χ^2/NDF:156853283907.6/37

Out: 2.544+/-0.000 χ^2/NDF:178380681656.3/41

All: 2.544+/-0.000 χ^2/NDF: 335234143308.4

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1479953.2/22

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1400429.9/21

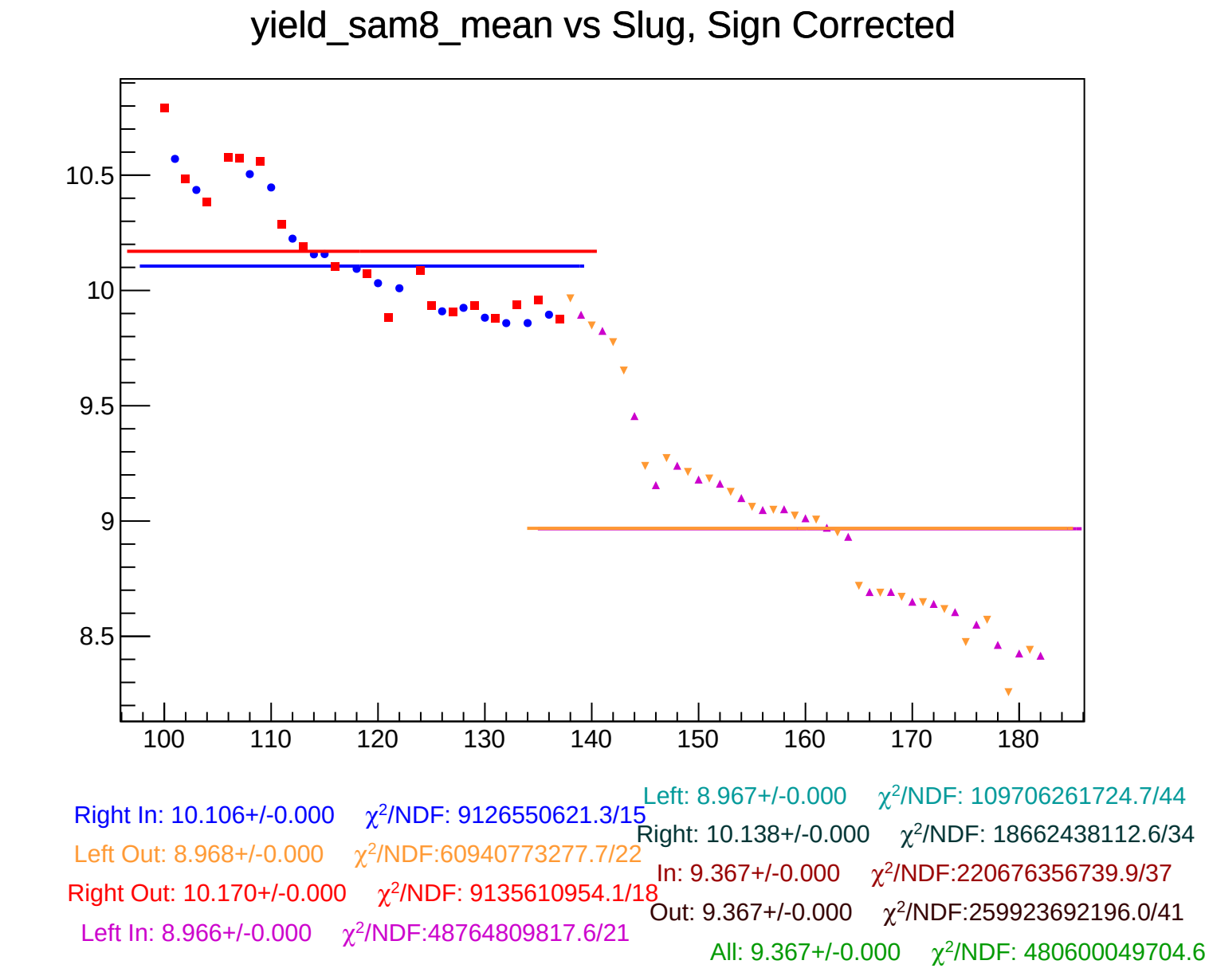
Left: 0.002+/-0.000 χ^2/NDF: 2885855.4/44

Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

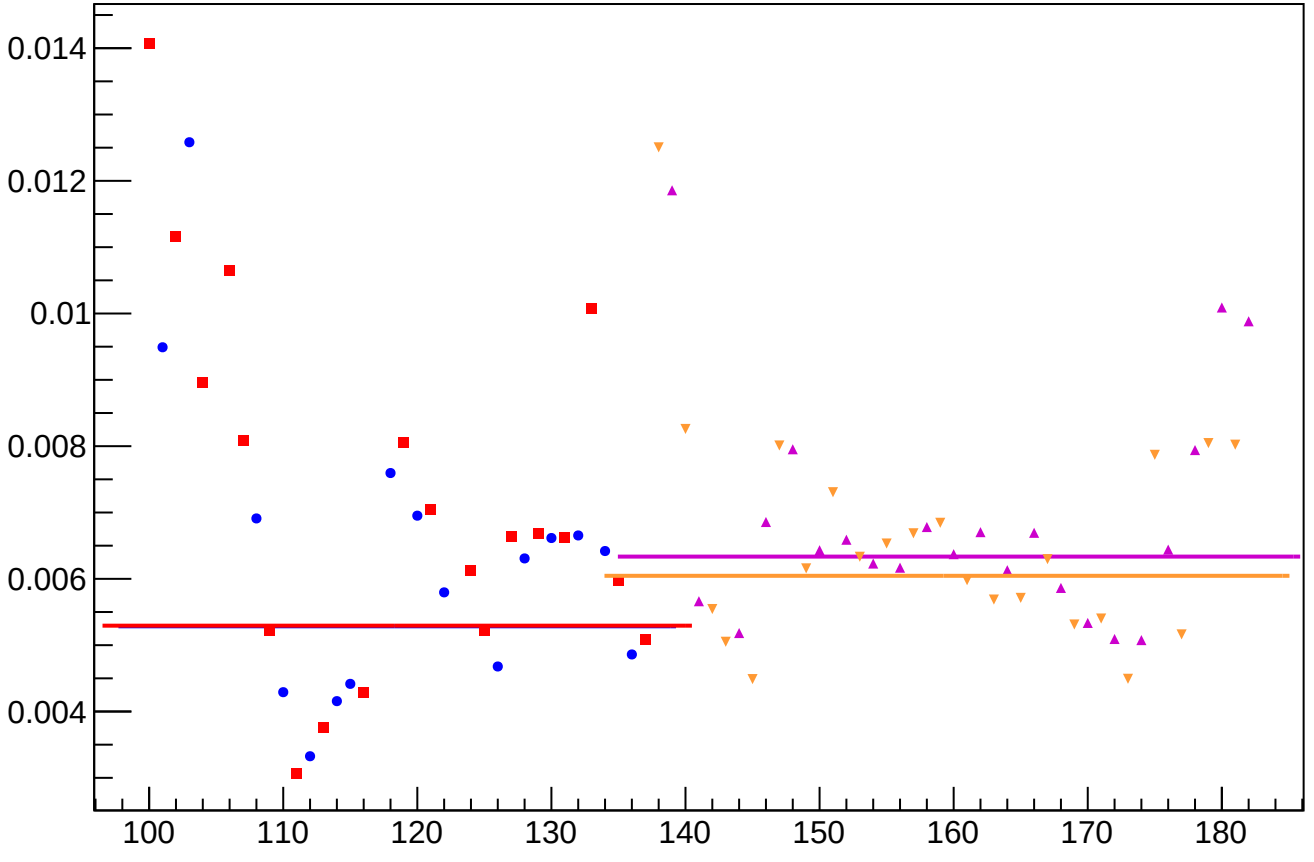
In: 0.002+/-0.000 χ^2/NDF:3353498.4/37

Out: 0.002+/-0.000 χ^2/NDF:4039170.9/41

All: 0.002+/-0.000 χ^2/NDF: 7392669.6/79


yield_sam8_mean vs Slug, Sign Corrected
10.5
10
9.5
9
8.5
100
110
120
130
140
150
160
170
180
Right In: 10.106+/-0.000 χ²/NDF: 9126550621.3/15
Left Out: 8.968+/-0.000 χ²/NDF:60940773277.7/22
Right Out: 10.170+/-0.000 χ²/NDF: 9135610954.1/18
Left In: 8.966+/-0.000 χ²/NDF:48764809817.6/21
Left: 8.967+/-0.000 χ²/NDF: 109706261724.7/44
Right: 10.138+/-0.000 χ²/NDF: 18662438112.6/34
In: 9.367+/-0.000 χ²/NDF:220676356739.9/37
Out: 9.367+/-0.000 χ²/NDF:259923692196.0/41
All: 9.367+/-0.000 χ²/NDF: 480600049704.6

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:1317782.4/22

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:1174433.6/21

Left: 0.006+/-0.000 χ^2/NDF: 2523703.3/44

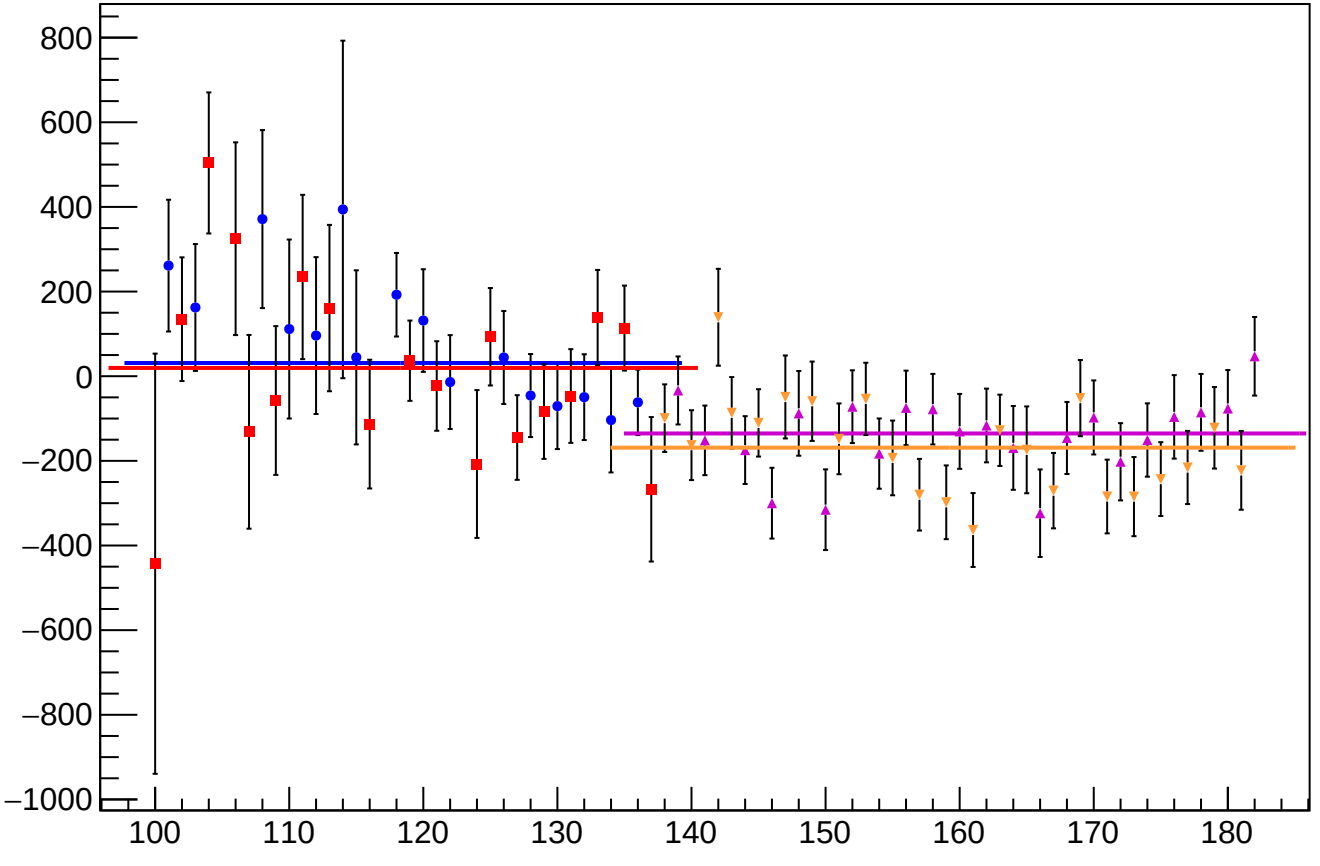
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2725567.7/37

Out: 0.006+/-0.000 χ^2/NDF:3258694.8/41

All: 0.006+/-0.000 χ^2/NDF: 6000680.5/79

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -168.818+/-18.481 χ^2/NDF:31.3/22

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -135.261+/-18.892 χ^2/NDF:20.4/21

Left: -152.409+/-13.211 χ^2/NDF: 53.3/44

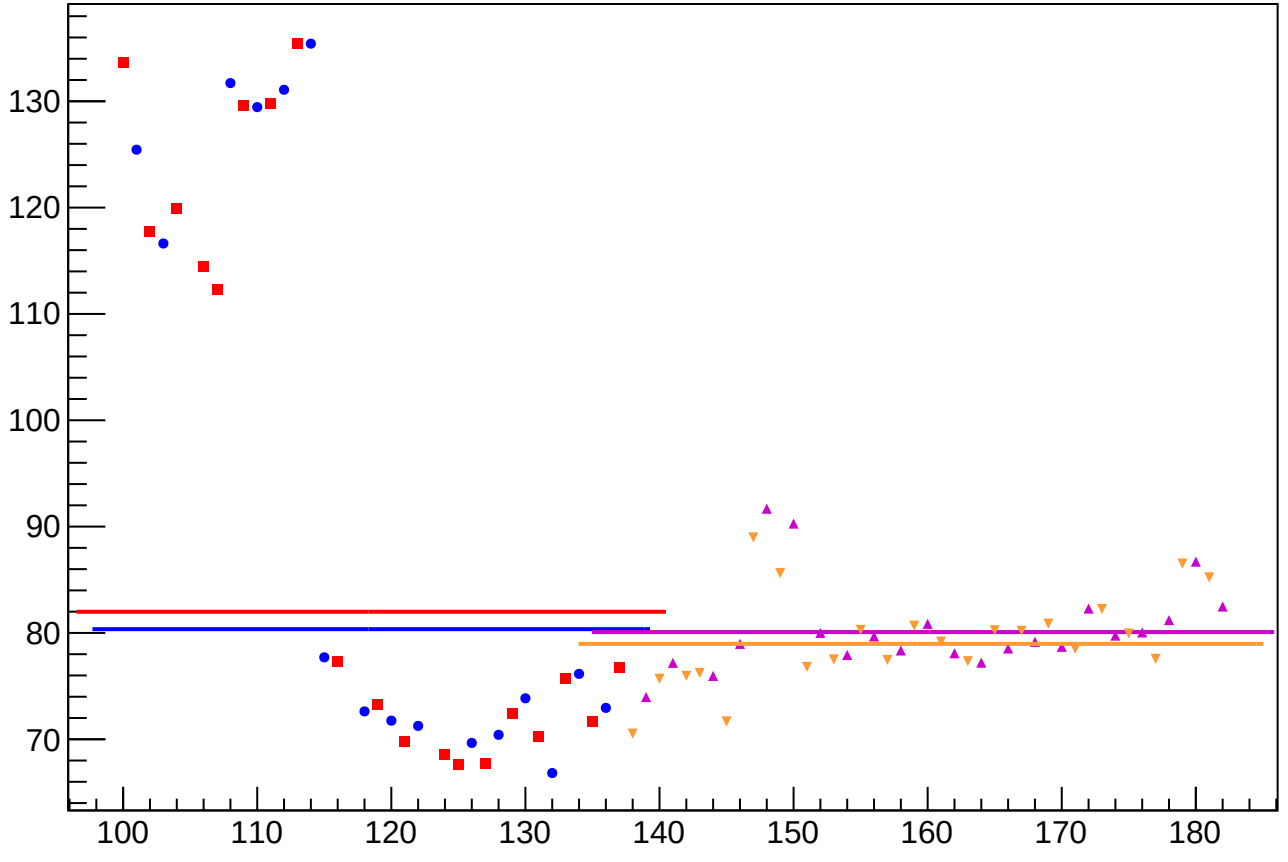
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -89.713+/-16.102 χ^2/NDF:56.7/37

Out: -119.556+/-15.882 χ^2/NDF:84.4/41

All: -104.840+/-11.307 χ^2/NDF: 142.8/79

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.972+/-0.013 χ^2/NDF:107498.6/22

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 80.084+/-0.013 χ^2/NDF:89197.0/21

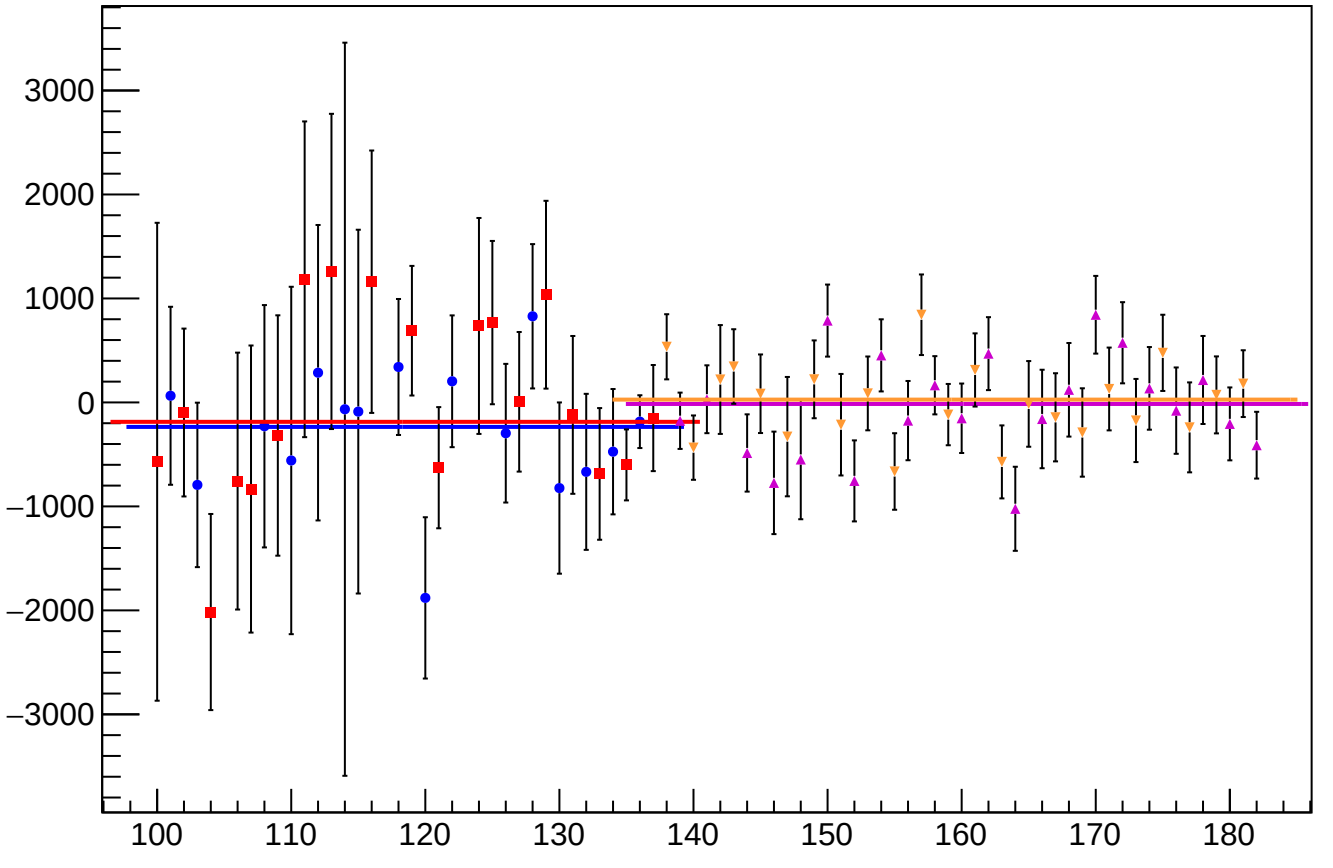
Left: 79.516+/-0.009 χ^2/NDF: 200233.5/44

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 80.158+/-0.011 χ^2/NDF:929348.4/37

Out: 79.762+/-0.011 χ^2/NDF:1053806.8/41

All: 79.957+/-0.008 χ^2/NDF: 1983767.0/79



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 27.077+/-78.461 χ^2/NDF:21.7/22

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -14.955+/-78.529 χ^2/NDF:34.9/21

Left: 6.079+/-55.504 χ^2/NDF: 56.7/44

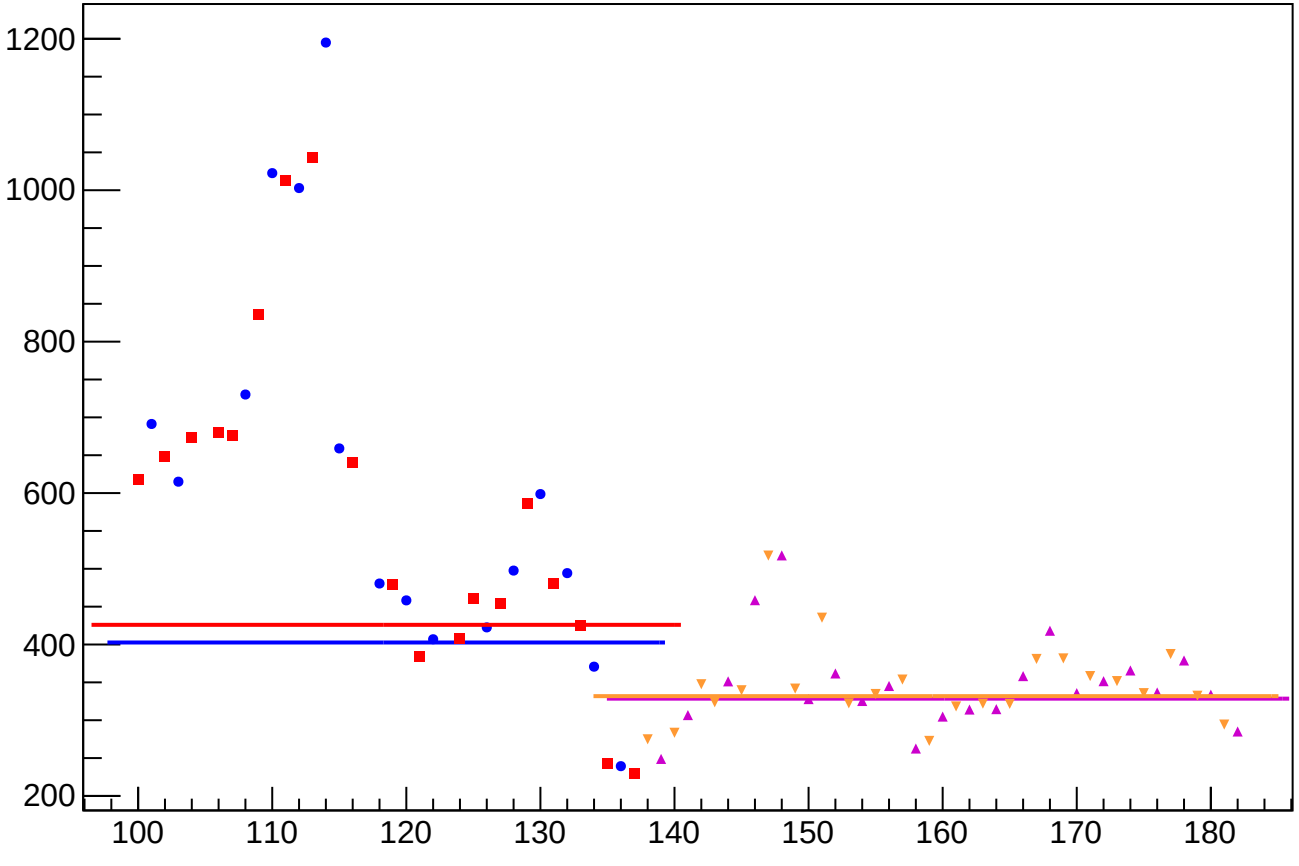
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -56.190+/-70.809 χ^2/NDF:46.3/37

Out: -10.307+/-71.268 χ^2/NDF:38.9/41

All: -33.397+/-50.231 χ^2/NDF: 85.5/79

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 331.795+/-0.055 χ^2/NDF:642476.8/22

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 328.495+/-0.056 χ^2/NDF:868897.1/21

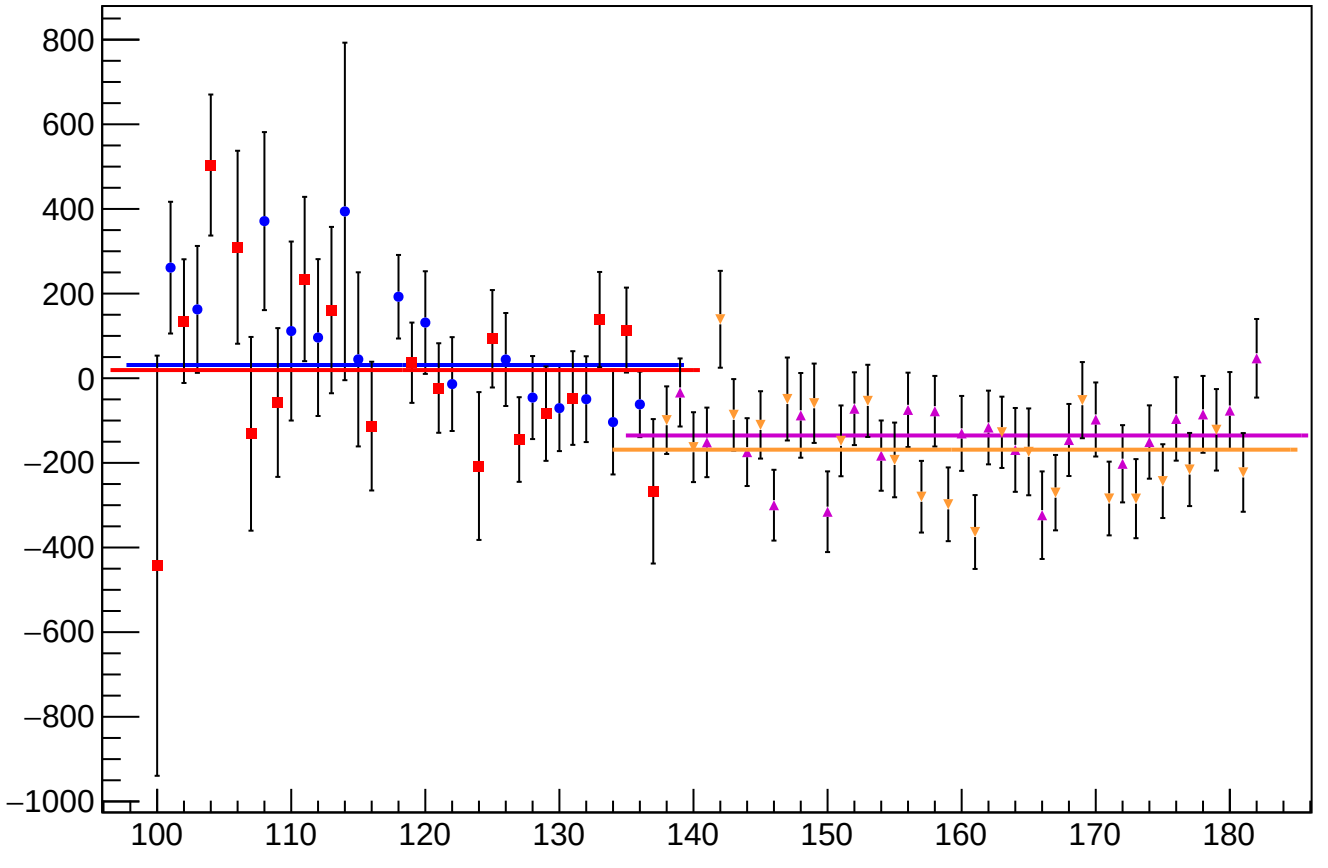
Left: 330.147+/-0.039 χ^2/NDF: 1513141.3/44

Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 342.360+/-0.050 χ^2/NDF:3562471.2/37

Out: 348.272+/-0.050 χ^2/NDF:3515428.4/41

All: 345.297+/-0.036 χ^2/NDF: 7084824.2/79



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -168.818+/-18.481 χ^2/NDF:31.3/22

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -135.267+/-18.892 χ^2/NDF:20.4/21

Left: -152.411+/-13.211 χ^2/NDF: 53.3/44

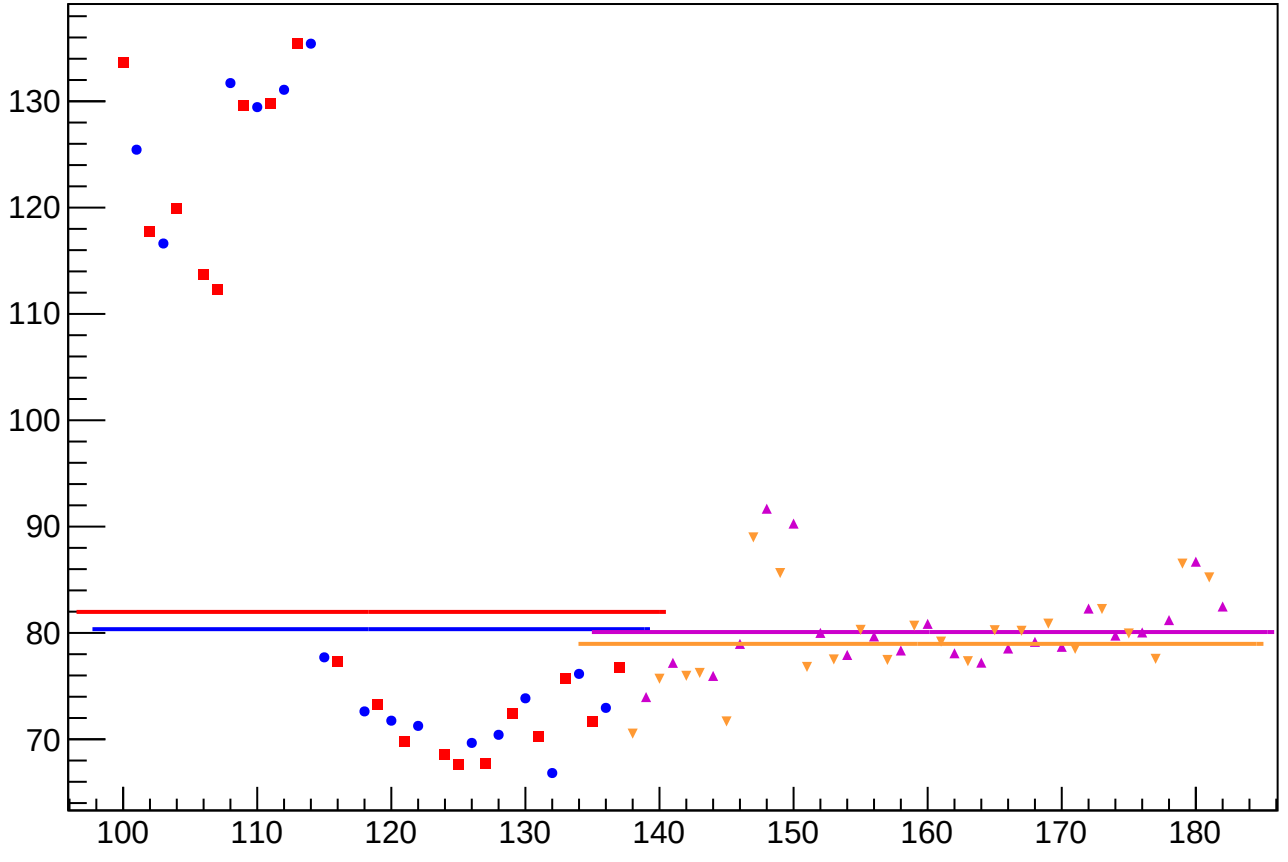
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -89.714+/-16.102 χ^2/NDF:56.7/37

Out: -119.635+/-15.882 χ^2/NDF:84.1/41

All: -104.880+/-11.307 χ^2/NDF: 142.6/79

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.972+/-0.013 χ^2/NDF:107498.6/22

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 80.084+/-0.013 χ^2/NDF:89197.0/21

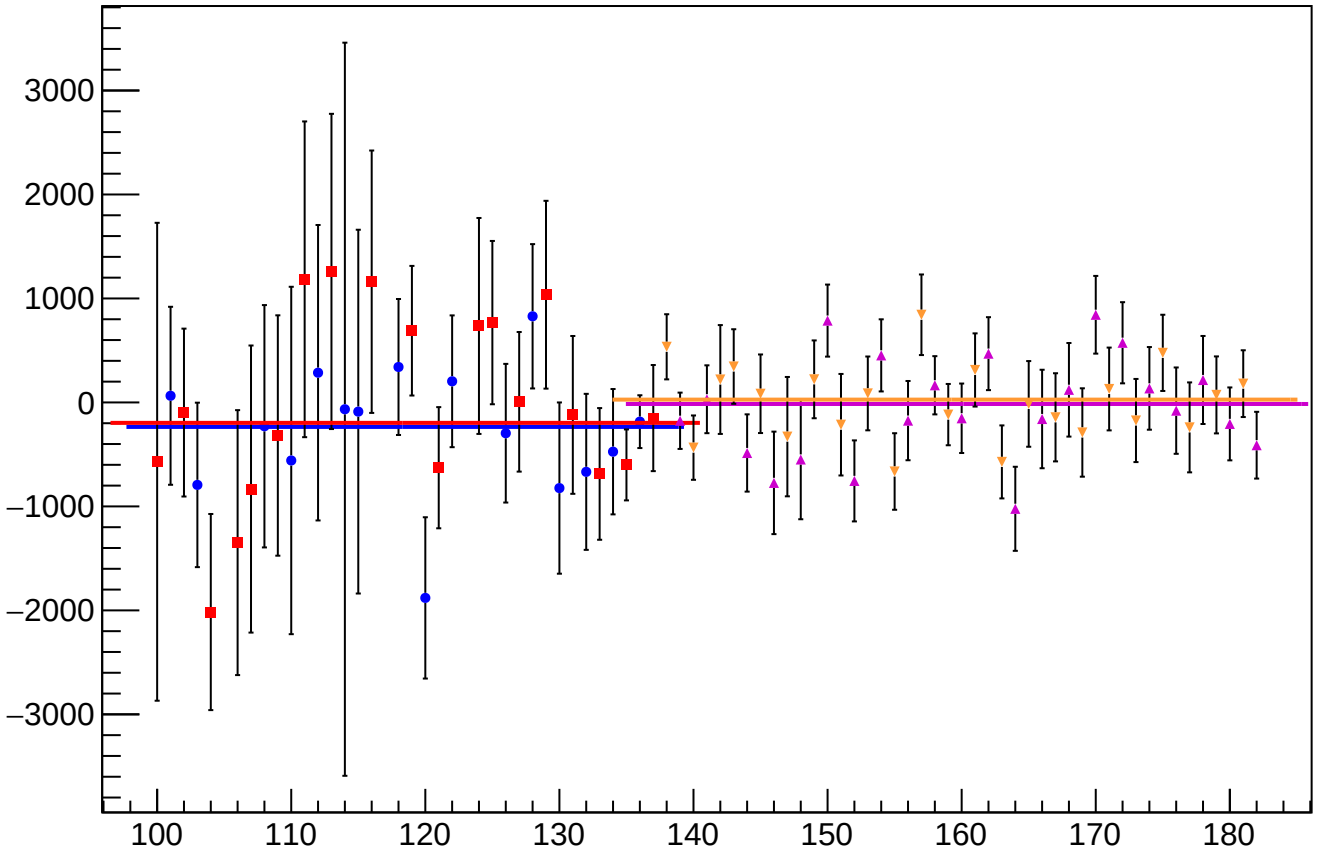
Left: 79.516+/-0.009 χ^2/NDF: 200233.5/44

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.158+/-0.011 χ^2/NDF:929348.6/37

Out: 79.758+/-0.011 χ^2/NDF:1051796.2/41

All: 79.955+/-0.008 χ^2/NDF: 1981768.9/79



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 27.075+/-78.461 χ^2/NDF:21.7/22

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -14.960+/-78.529 χ^2/NDF:34.9/21

Left: 6.076+/-55.504 χ^2/NDF: 56.7/44

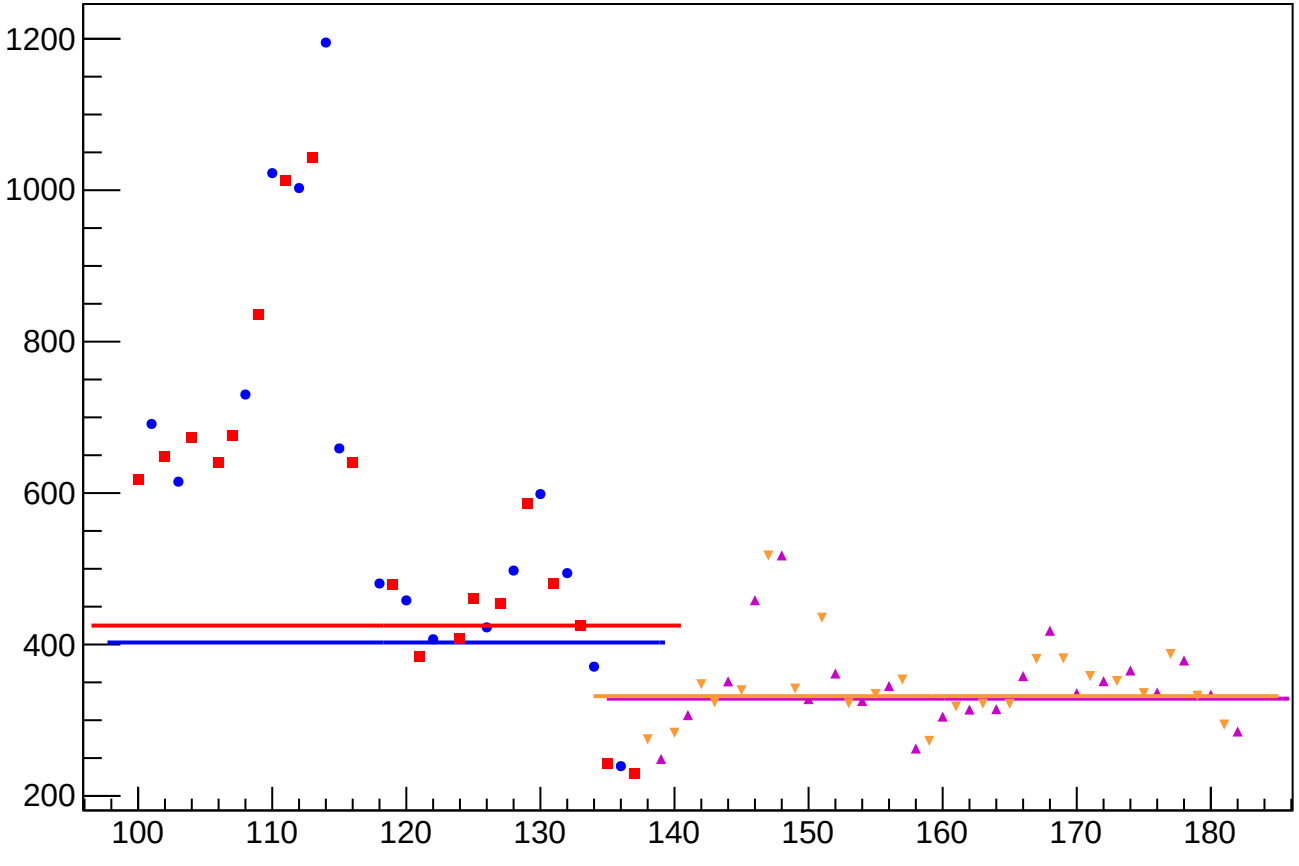
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -56.194+/-70.809 χ^2/NDF:46.3/37

Out: -12.013+/-71.276 χ^2/NDF:39.7/41

All: -34.249+/-50.234 χ^2/NDF: 86.2/79

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.795+/-0.055 χ^2/NDF:642485.1/22

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 328.495+/-0.056 χ^2/NDF:868894.1/21

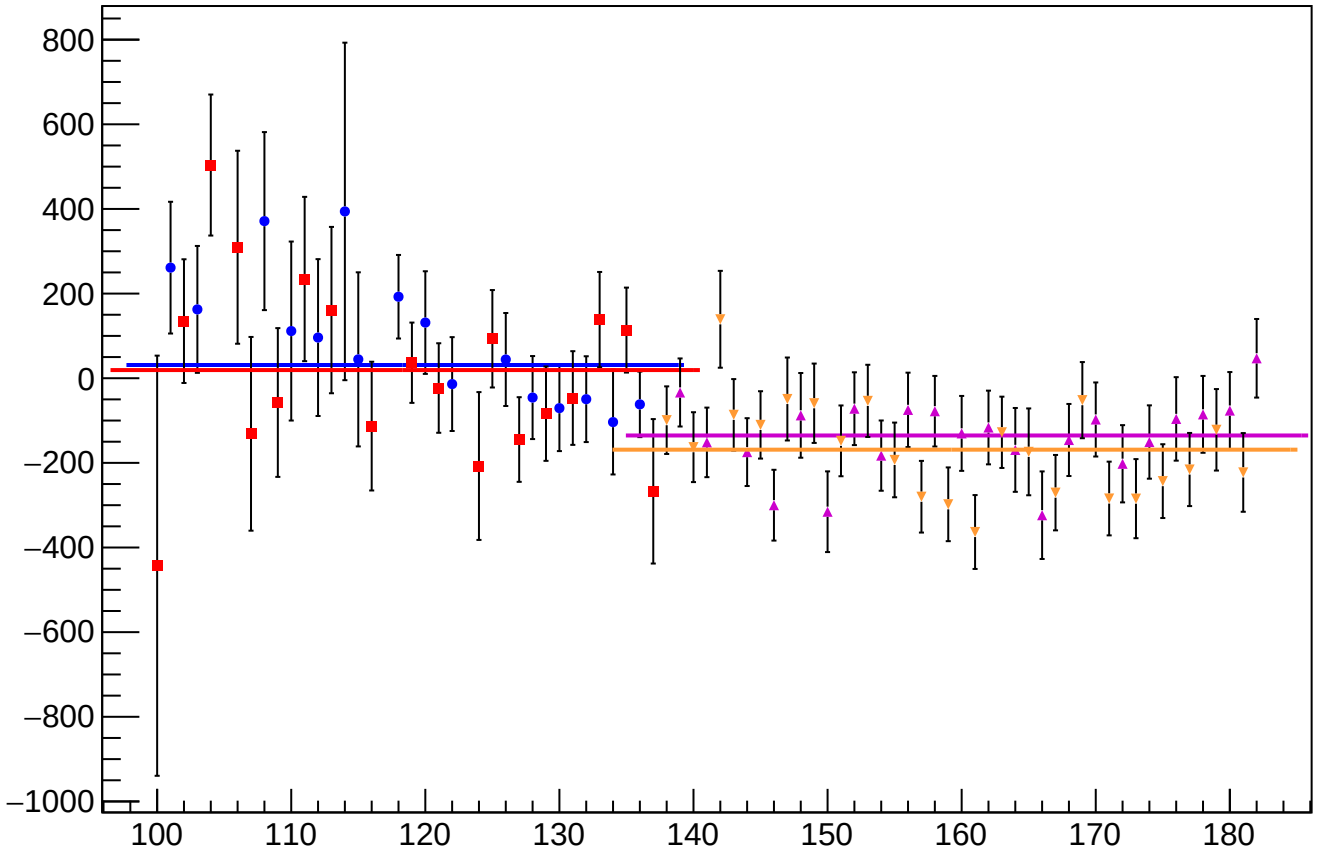
Left: 330.147+/-0.039 χ^2/NDF: 1513146.2/44

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 342.360+/-0.050 χ^2/NDF:3562463.7/37

Out: 348.083+/-0.050 χ^2/NDF:3476640.5/41

All: 345.203+/-0.036 χ^2/NDF: 7045591.9/79



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -168.818+/-18.481 χ^2/NDF:31.3/22

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -135.267+/-18.892 χ^2/NDF:20.4/21

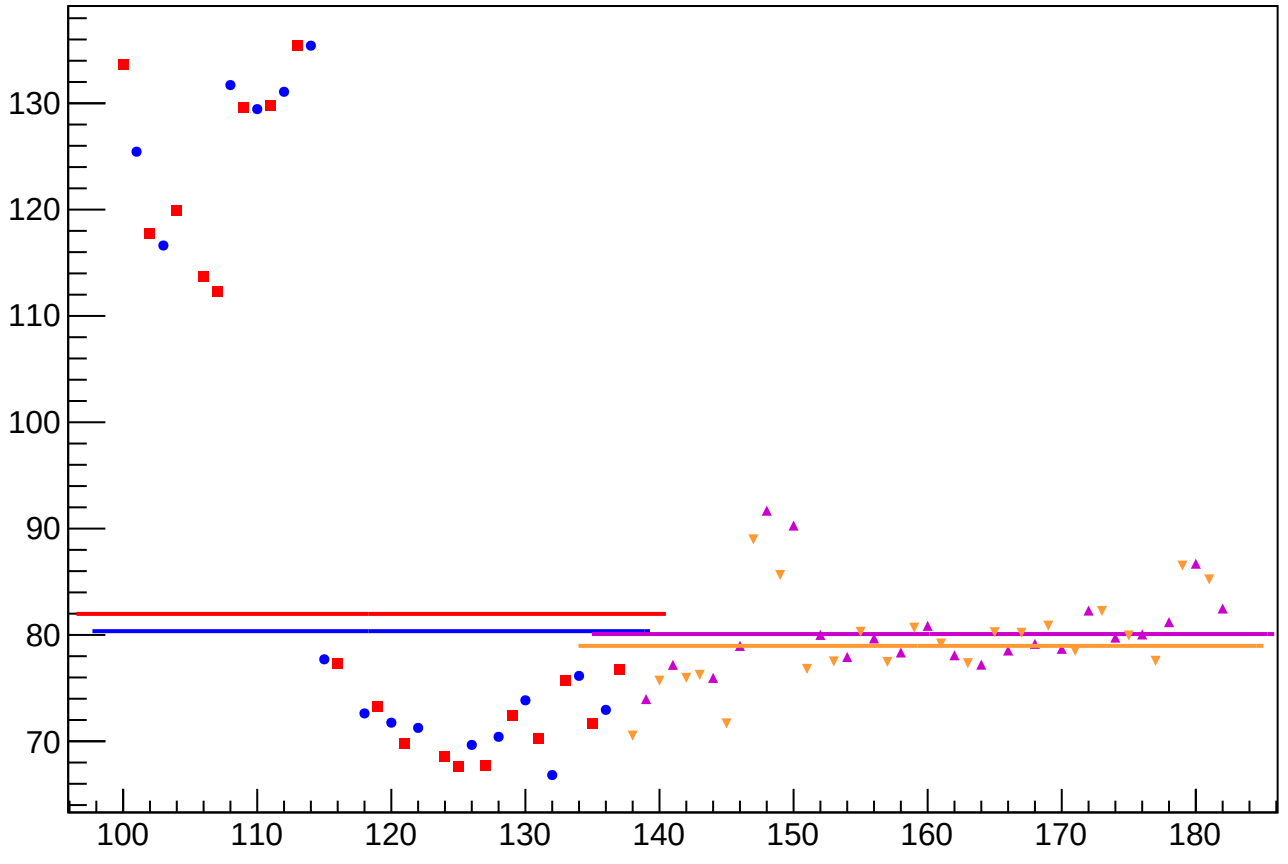
Left: -152.411+/-13.211 χ^2/NDF: 53.3/44

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -89.714+/-16.102 χ^2/NDF:56.7/37

Out: -119.635+/-15.882 χ^2/NDF:84.1/41

All: -104.880+/-11.307 χ^2/NDF: 142.6/79



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.972+/-0.013 χ^2/NDF:107498.6/22

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 80.084+/-0.013 χ^2/NDF:89197.0/21

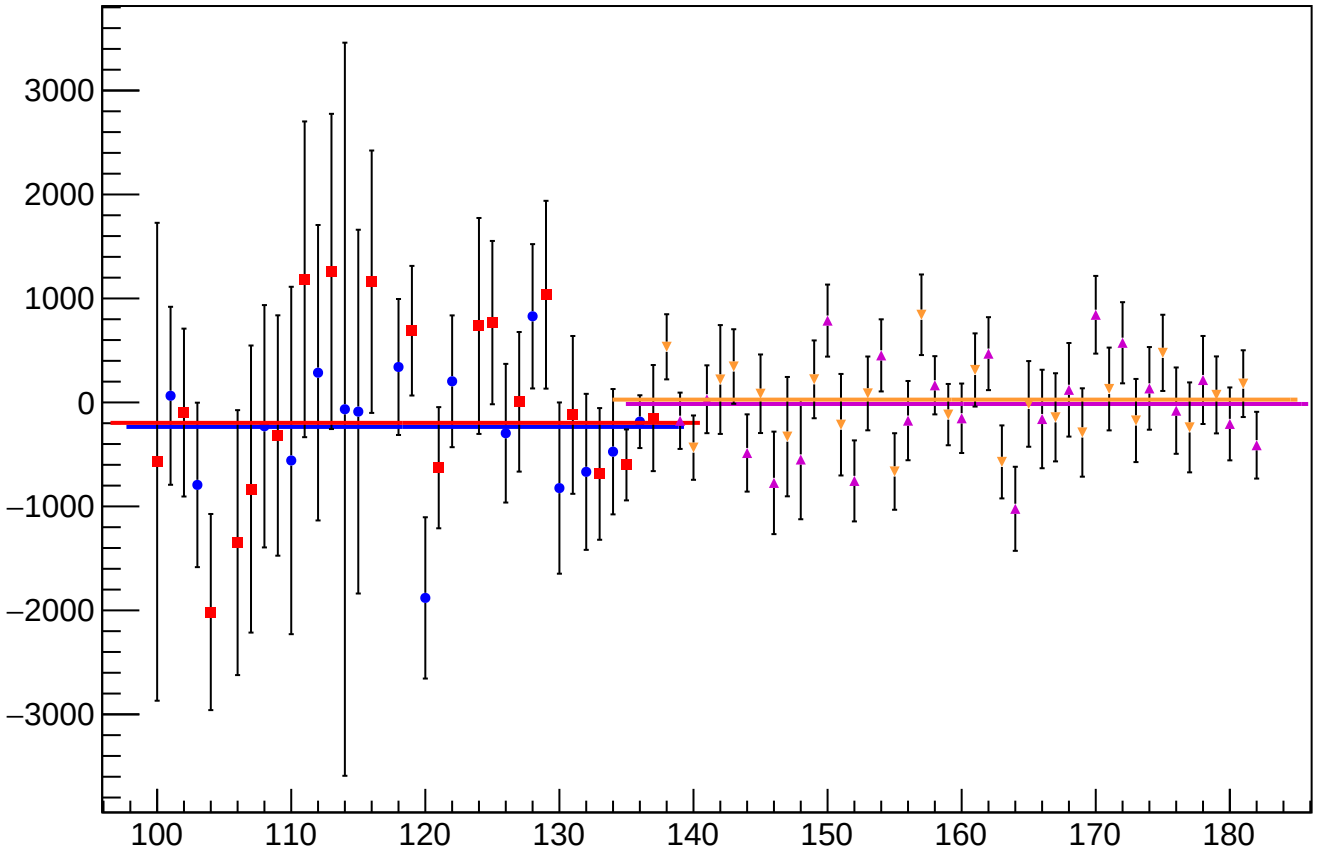
Left: 79.516+/-0.009 χ^2/NDF: 200233.5/44

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.158+/-0.011 χ^2/NDF:929348.6/37

Out: 79.758+/-0.011 χ^2/NDF:1051796.2/41

All: 79.955+/-0.008 χ^2/NDF: 1981768.9/79



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 27.075+/-78.461 χ^2/NDF:21.7/22

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -14.960+/-78.529 χ^2/NDF:34.9/21

Left: 6.076+/-55.504 χ^2/NDF: 56.7/44

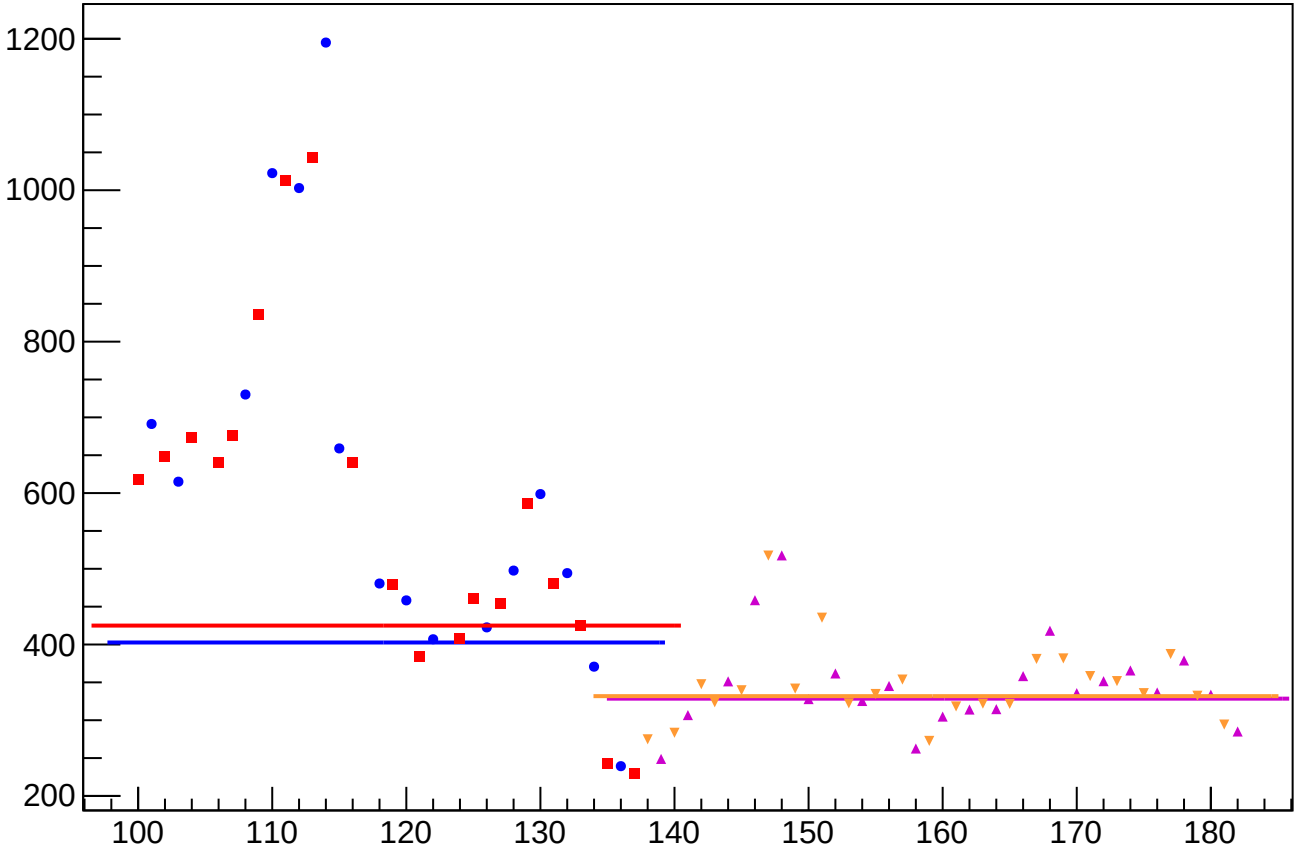
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -56.194+/-70.809 χ^2/NDF:46.3/37

Out: -12.013+/-71.276 χ^2/NDF:39.7/41

All: -34.249+/-50.234 χ^2/NDF: 86.2/79

asym_sam1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.795+/-0.055 χ^2/NDF:642485.1/22

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 328.495+/-0.056 χ^2/NDF:868894.1/21

Left: 330.147+/-0.039 χ^2/NDF: 1513146.2/44

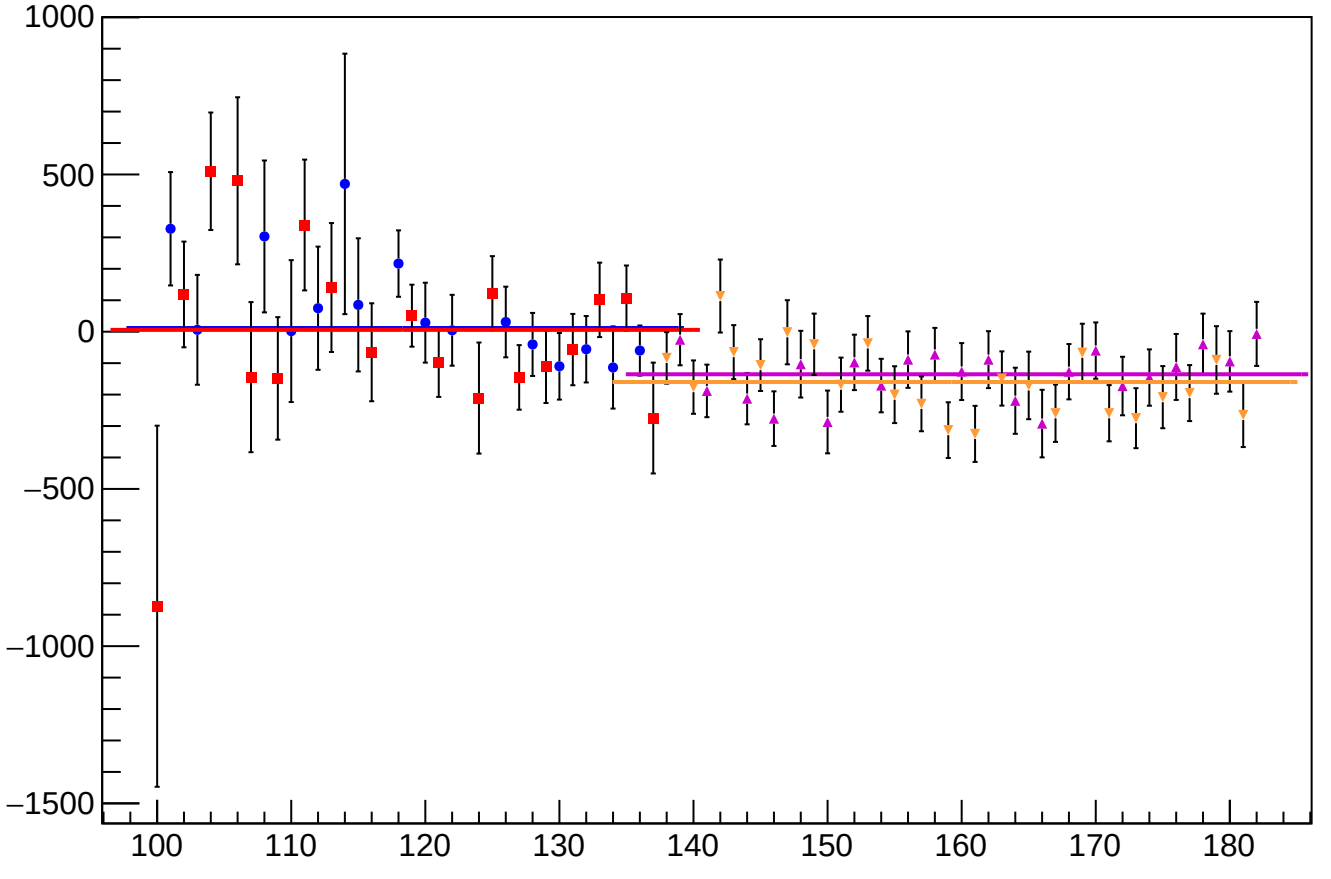
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 342.360+/-0.050 χ^2/NDF:3562463.7/37

Out: 348.083+/-0.050 χ^2/NDF:3476640.5/41

All: 345.203+/-0.036 χ^2/NDF: 7045591.9/79

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -159.943+/-19.151 χ^2/NDF:28.1/22

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -135.363+/-19.568 χ^2/NDF:16.1/21

Left: -147.918+/-13.687 χ^2/NDF: 44.9/44

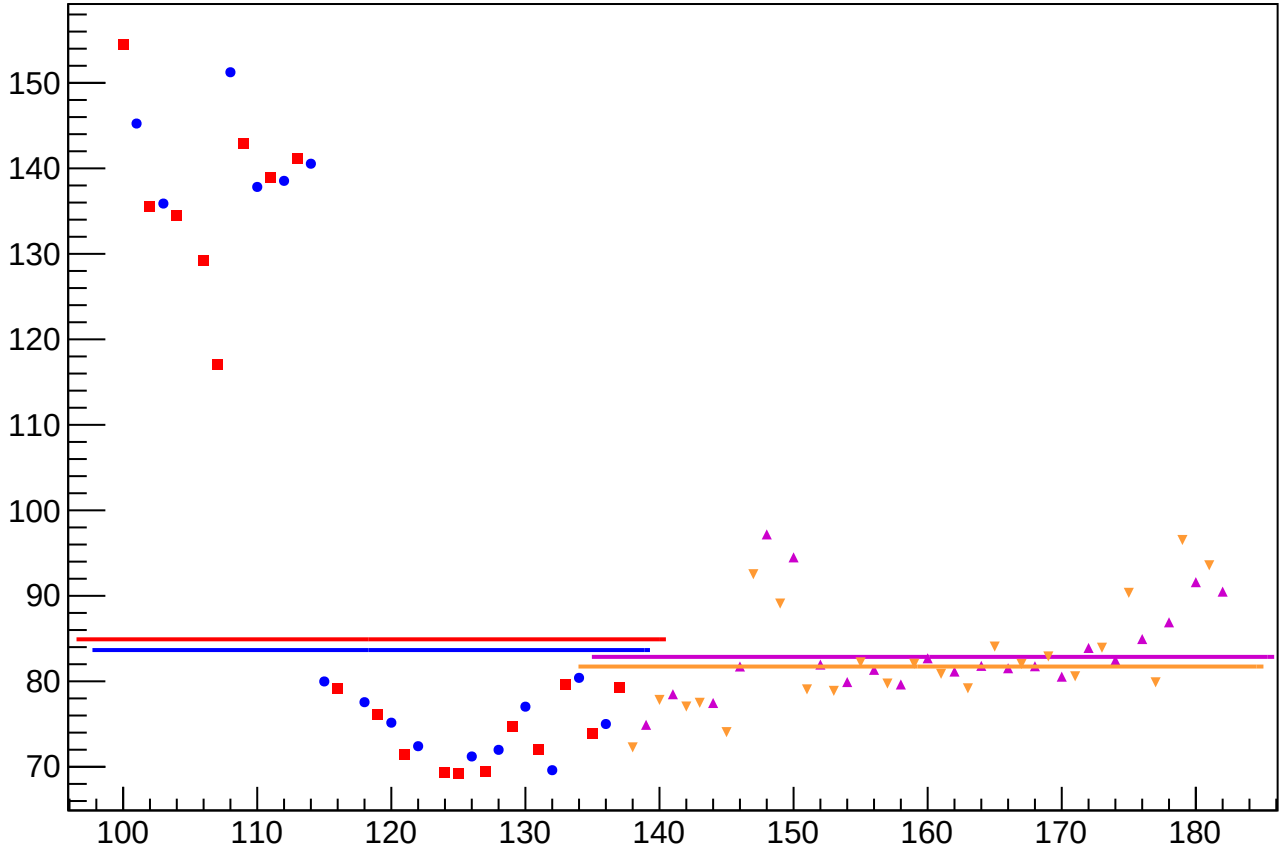
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -95.888+/-16.736 χ^2/NDF:44.7/37

Out: -117.112+/-16.492 χ^2/NDF:76.2/41

All: -106.655+/-11.747 χ^2/NDF: 121.8/79

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 81.728+/-0.014 χ^2/NDF:181054.9/22

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 82.860+/-0.014 χ^2/NDF:138416.5/21

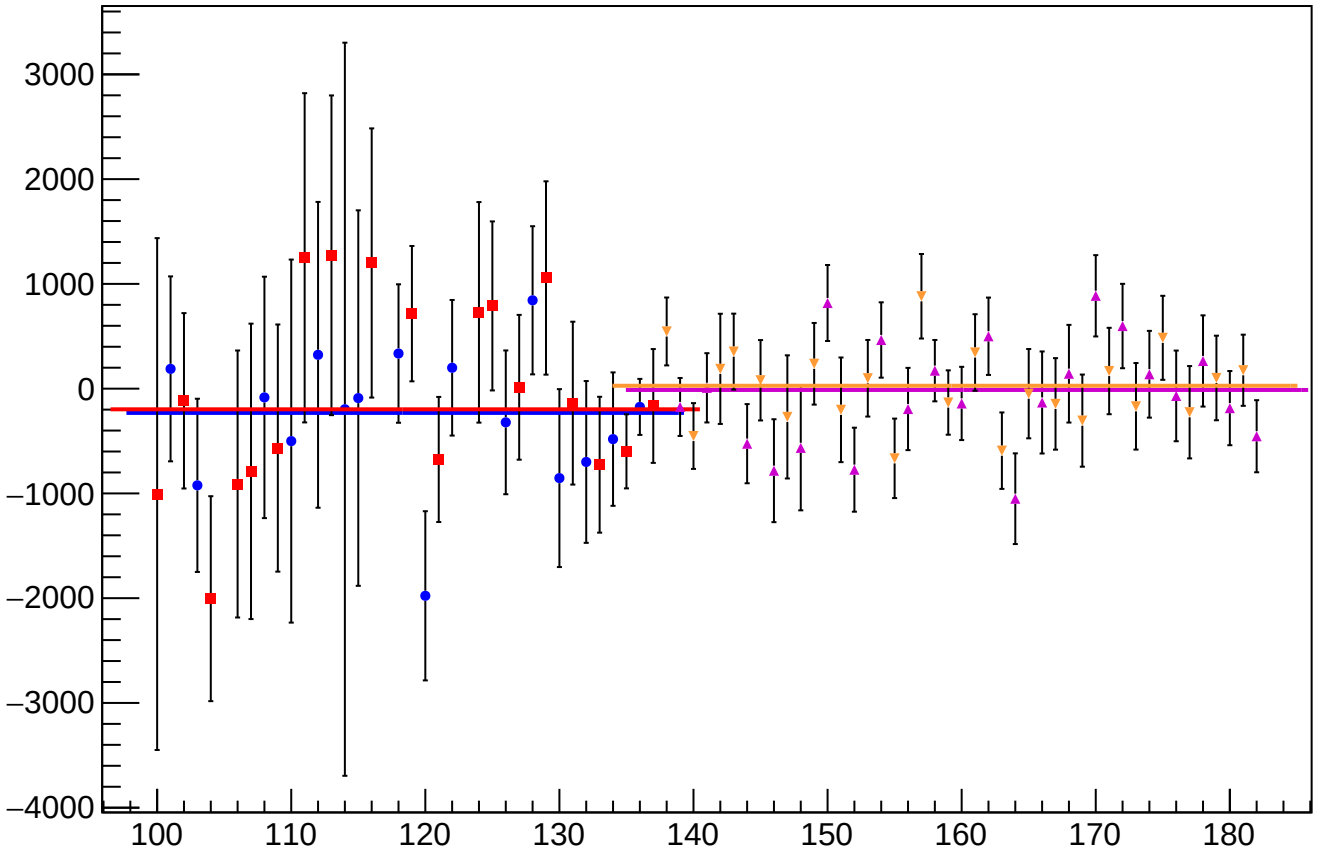
Left: 82.282+/-0.010 χ^2/NDF: 322884.9/44

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 83.074+/-0.012 χ^2/NDF:1174103.1/37

Out: 82.551+/-0.012 χ^2/NDF:1317014.8/41

All: 82.809+/-0.008 χ^2/NDF: 2492106.6/79



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 27.728+/-81.330 χ^2/NDF:21.3/22

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -12.528+/-81.319 χ^2/NDF:34.8/21

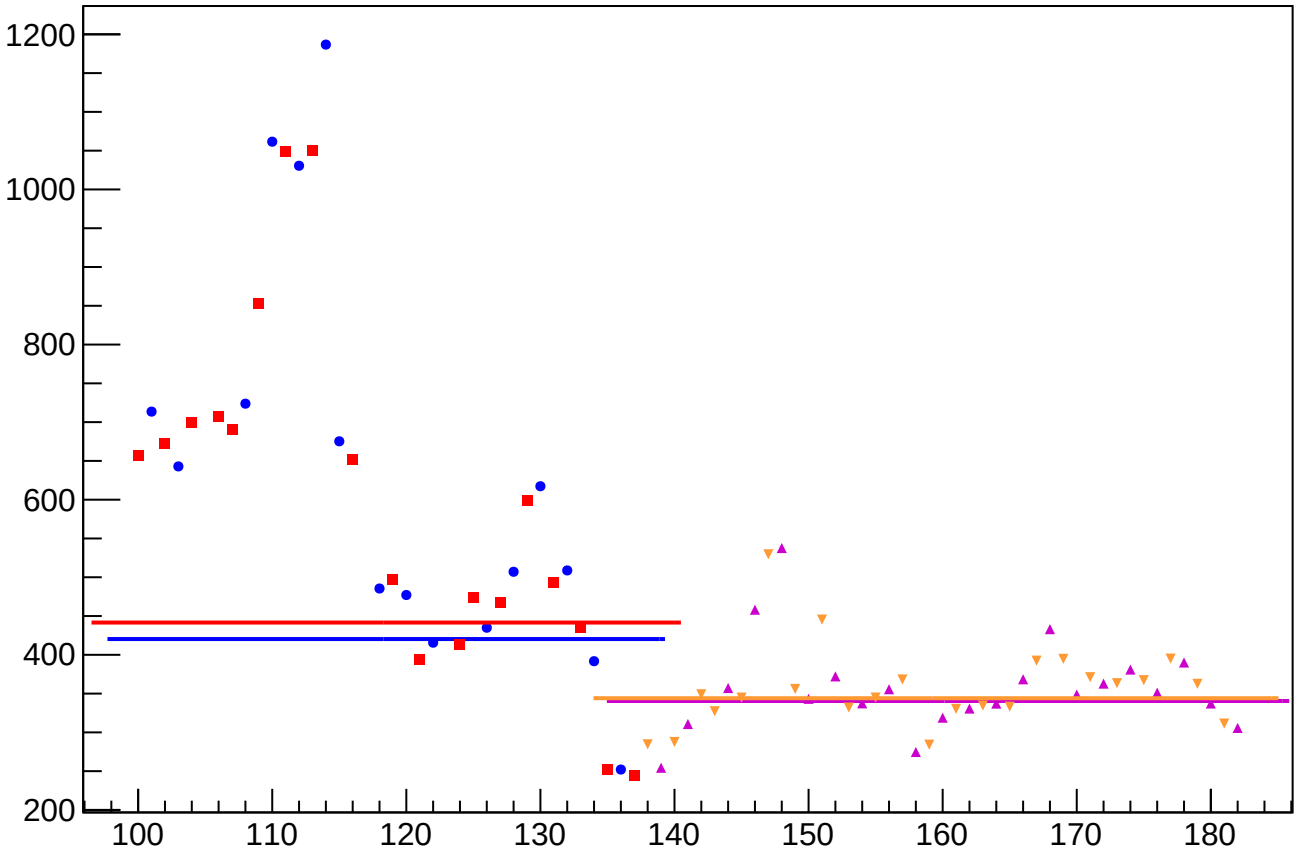
Left: 7.597+/-57.505 χ^2/NDF: 56.2/44

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -53.233+/-73.369 χ^2/NDF:46.6/37

Out: -11.818+/-73.835 χ^2/NDF:38.5/41

All: -32.657+/-52.044 χ^2/NDF: 85.2/79



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 344.059+/-0.058 χ^2/NDF:631420.3/22

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 340.463+/-0.058 χ^2/NDF:832174.3/21

Left: 342.261+/-0.041 χ^2/NDF: 1465549.1/44

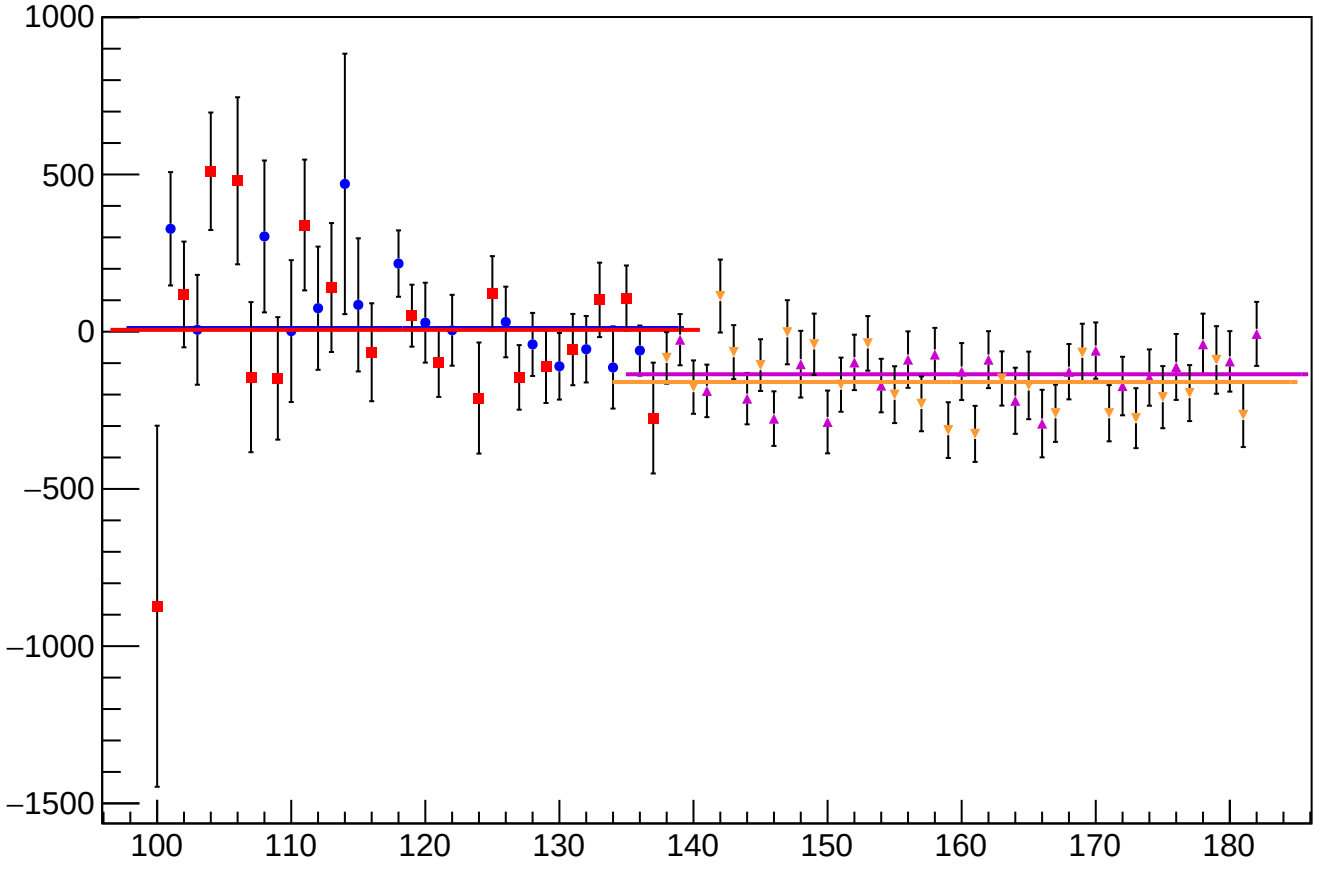
Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 355.316+/-0.052 χ^2/NDF:3445556.2/37

Out: 361.207+/-0.052 χ^2/NDF:3444762.2/41

All: 358.243+/-0.037 χ^2/NDF: 6896724.6/79

eigen_dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -159.943+/-19.151 χ^2/NDF:28.1/22

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -135.363+/-19.568 χ^2/NDF:16.1/21

Left: -147.918+/-13.687 χ^2/NDF: 44.9/44

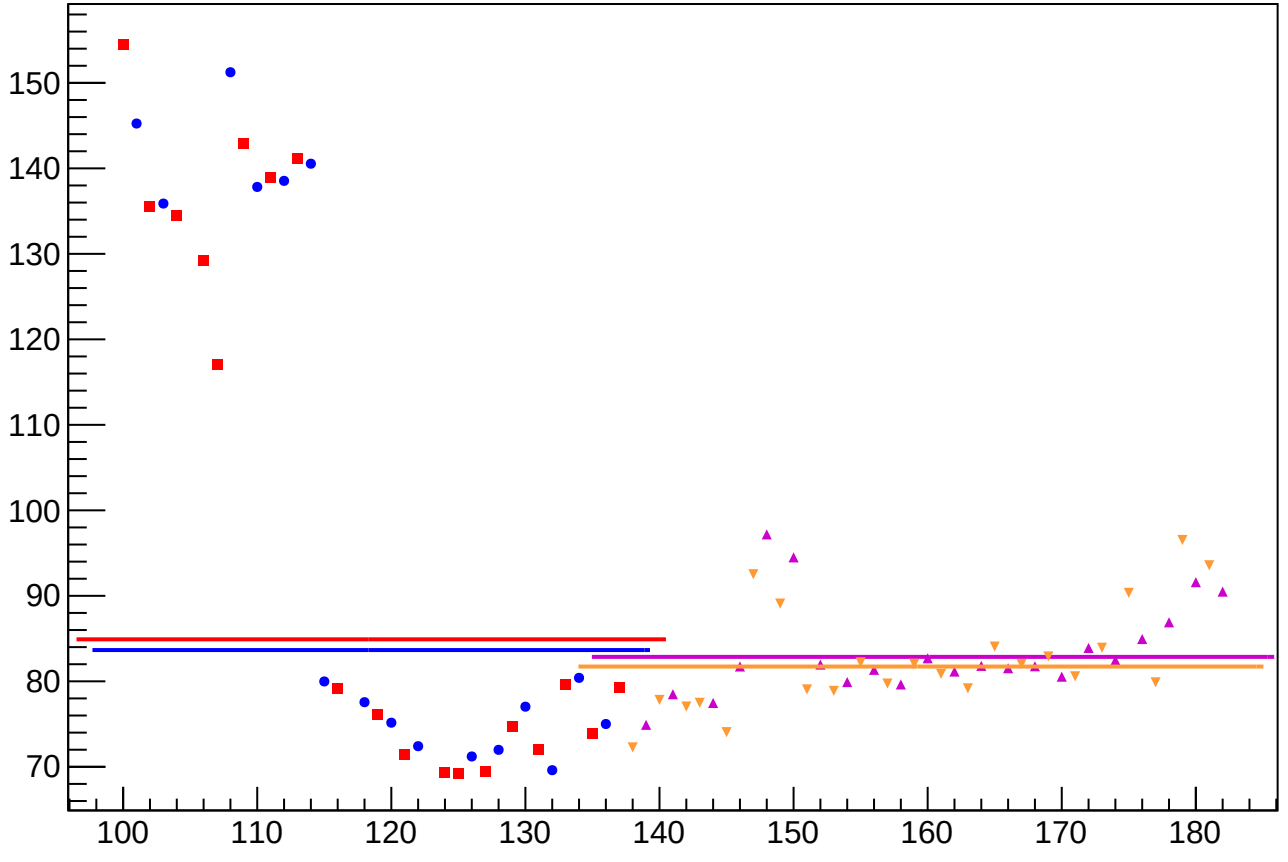
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -95.887+/-16.736 χ^2/NDF:44.7/37

Out: -117.112+/-16.492 χ^2/NDF:76.2/41

All: -106.655+/-11.747 χ^2/NDF: 121.8/79

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 81.728+/-0.014 χ^2/NDF:181055.0/22

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 82.860+/-0.014 χ^2/NDF:138415.0/21

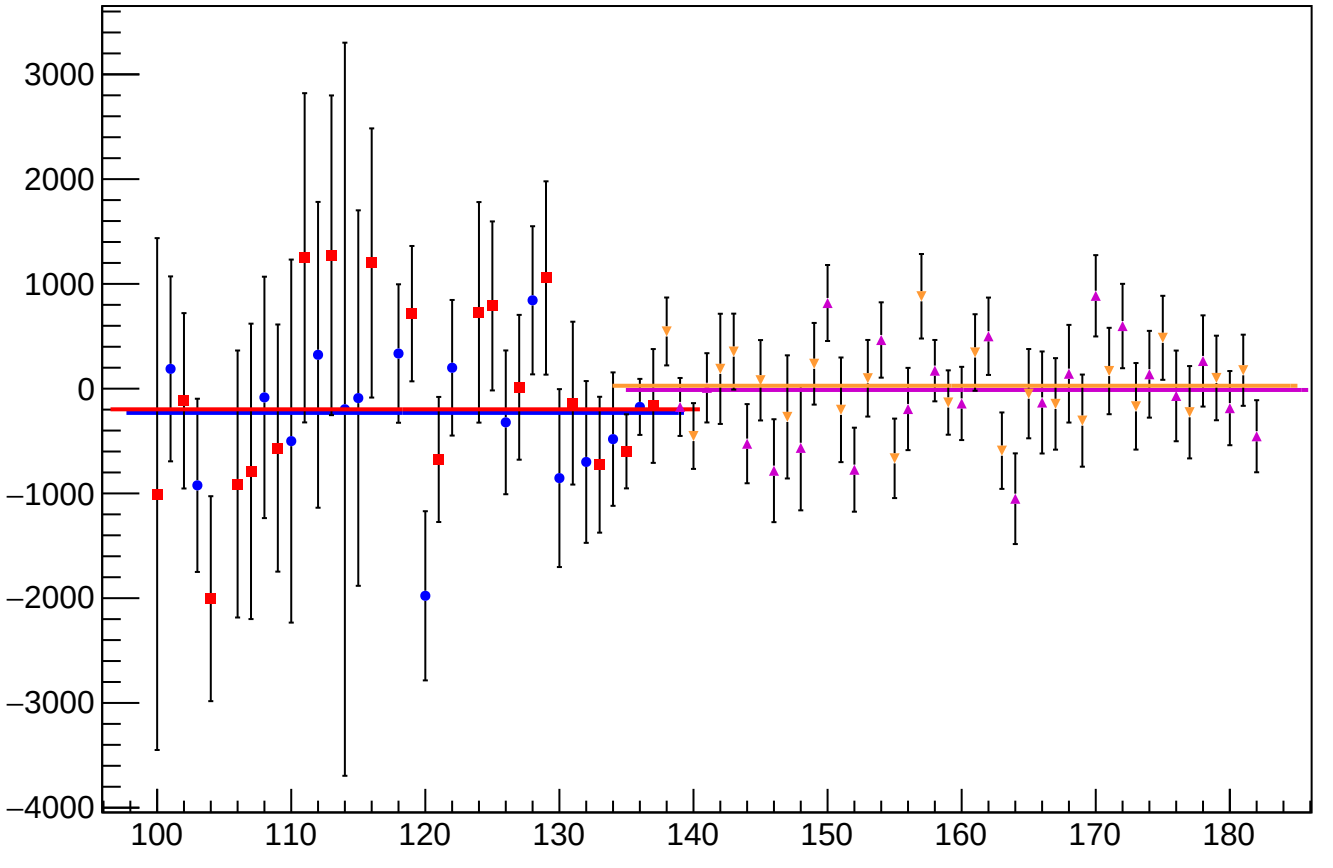
Left: 82.282+/-0.010 χ^2/NDF: 322883.4/44

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 83.074+/-0.012 χ^2/NDF:1174101.0/37

Out: 82.551+/-0.012 χ^2/NDF:1317013.4/41

All: 82.809+/-0.008 χ^2/NDF: 2492103.0/79



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 27.729+/-81.330 χ^2/NDF:21.3/22

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -12.528+/-81.319 χ^2/NDF:34.8/21

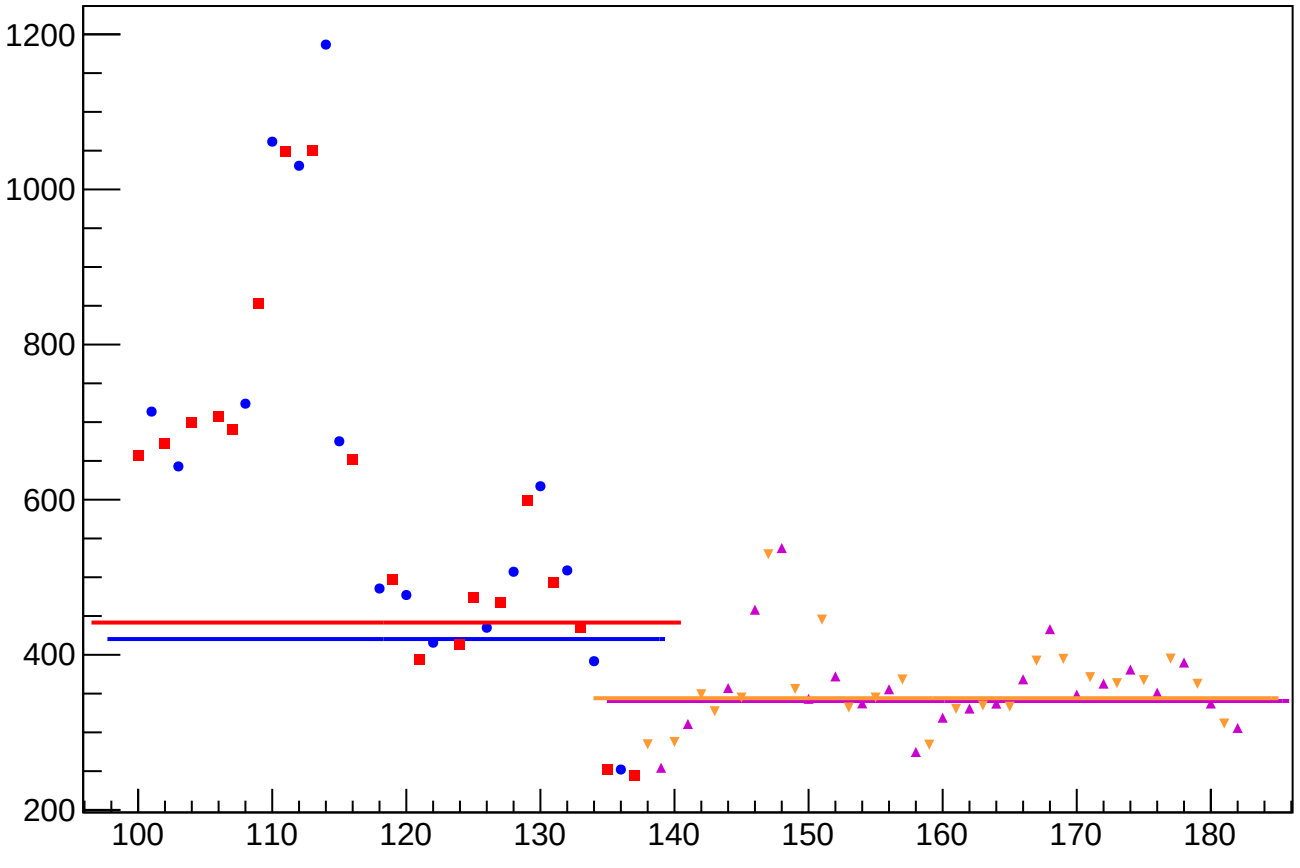
Left: 7.598+/-57.505 χ^2/NDF: 56.2/44

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -53.233+/-73.369 χ^2/NDF:46.6/37

Out: -11.818+/-73.835 χ^2/NDF:38.5/41

All: -32.657+/-52.043 χ^2/NDF: 85.2/79



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 344.058+/-0.058 χ^2/NDF:631422.1/22

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 340.463+/-0.058 χ^2/NDF:832177.2/21

Left: 342.261+/-0.041 χ^2/NDF: 1465553.8/44

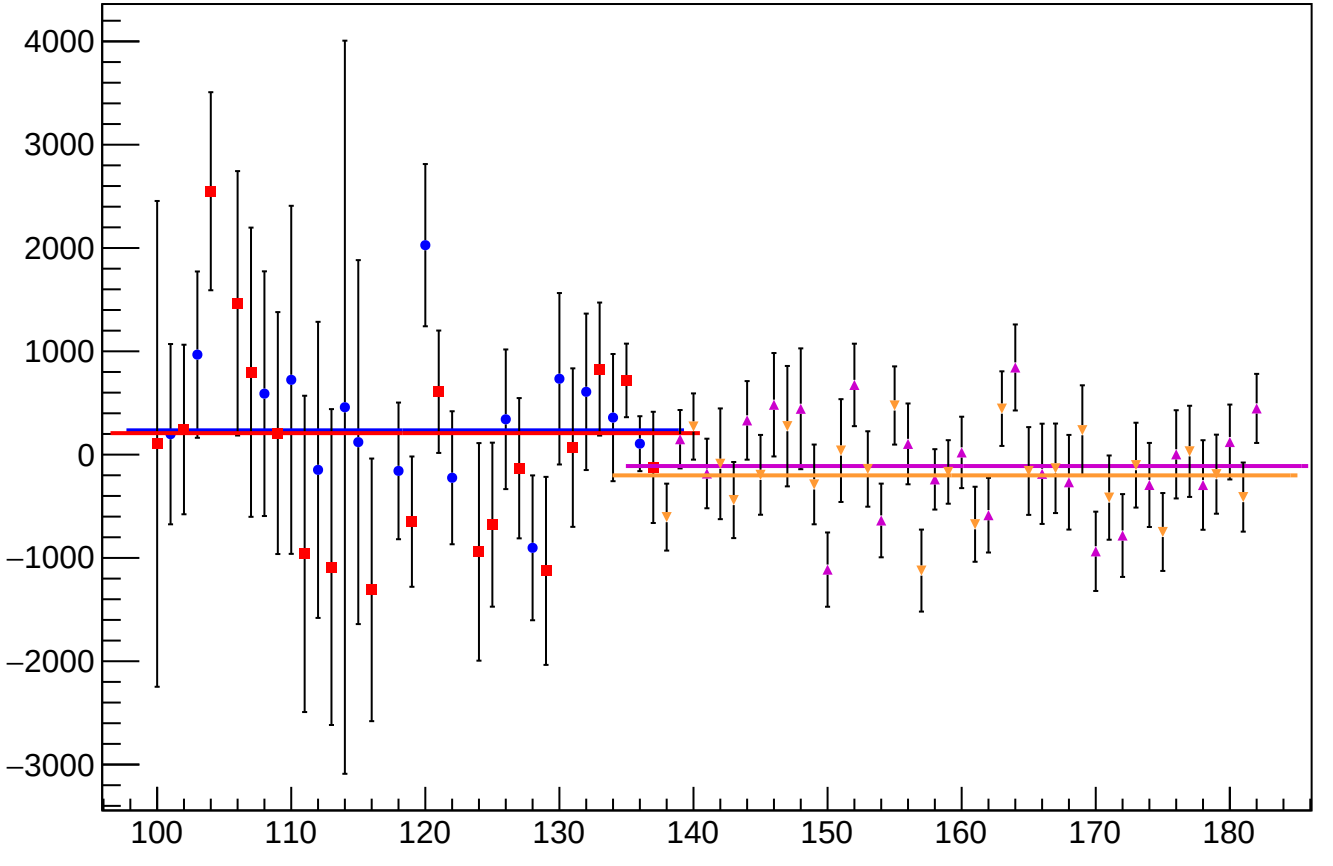
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 355.316+/-0.052 χ^2/NDF:3445559.7/37

Out: 361.207+/-0.052 χ^2/NDF:3444764.1/41

All: 358.243+/-0.037 χ^2/NDF: 6896730.2/79

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -200.840+/-80.791 χ^2/NDF:22.8/22

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -110.497+/-80.978 χ^2/NDF:37.2/21

Left: -155.773+/-57.194 χ^2/NDF: 60.7/44

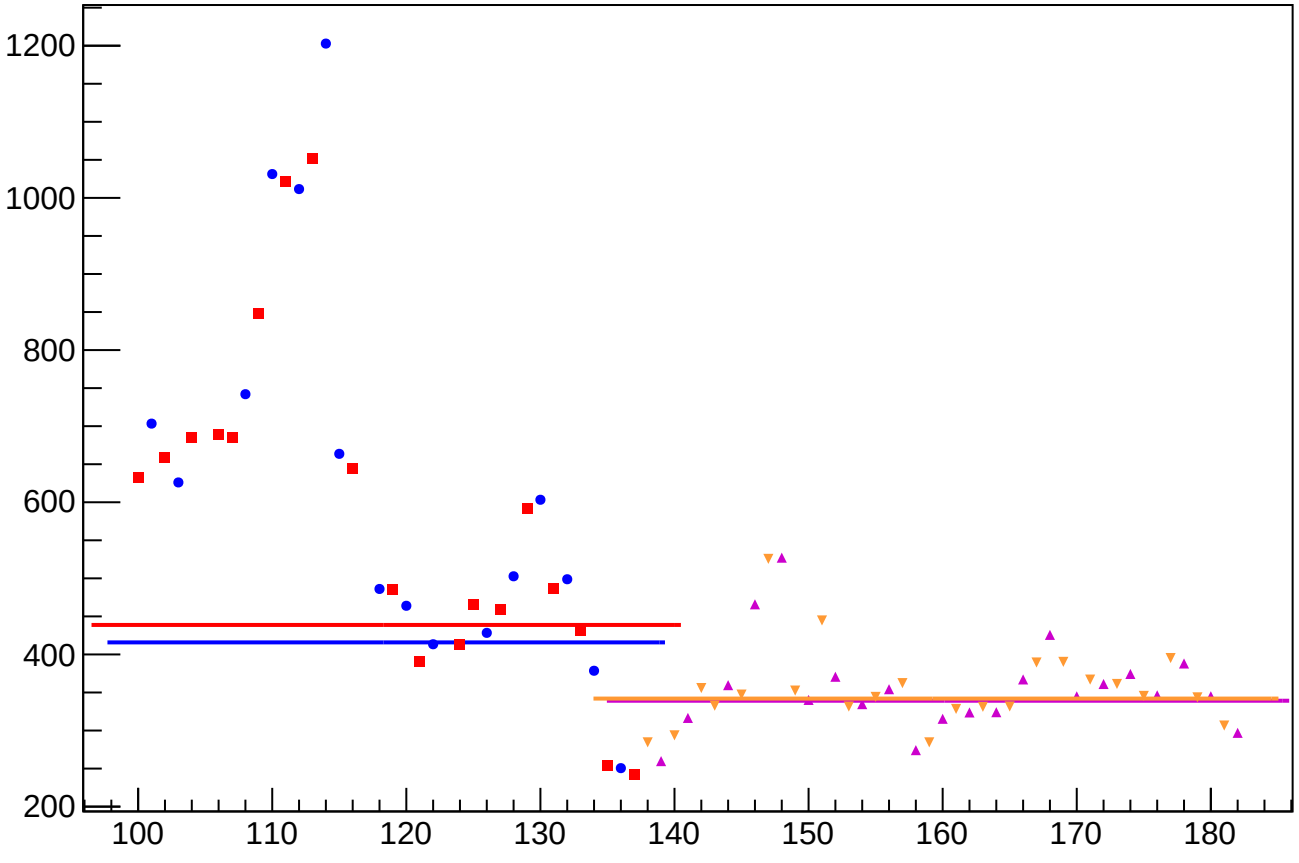
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: -45.474+/-72.963 χ^2/NDF:51.3/37

Out: -128.830+/-73.331 χ^2/NDF:47.7/41

All: -86.942+/-51.722 χ^2/NDF: 99.7/79

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 341.996+/-0.057 χ^2/NDF:591603.3/22

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 339.168+/-0.057 χ^2/NDF:795582.3/21

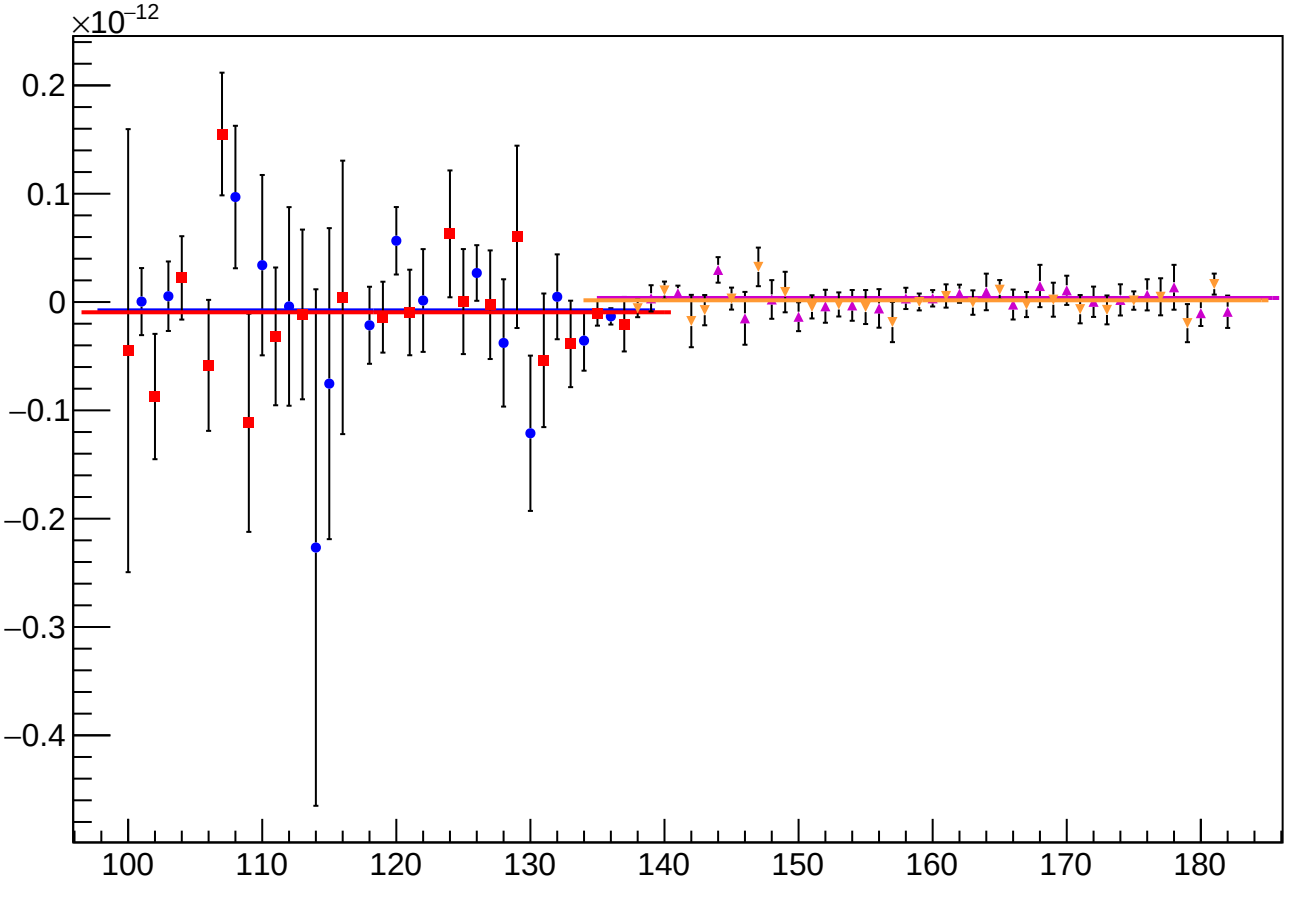
Left: 340.585+/-0.040 χ^2/NDF: 1388408.5/44

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 353.595+/-0.052 χ^2/NDF:3356912.8/37

Out: 359.044+/-0.052 χ^2/NDF:3331914.3/41

All: 356.306+/-0.037 χ^2/NDF: 6694377.2/79



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/22

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/21

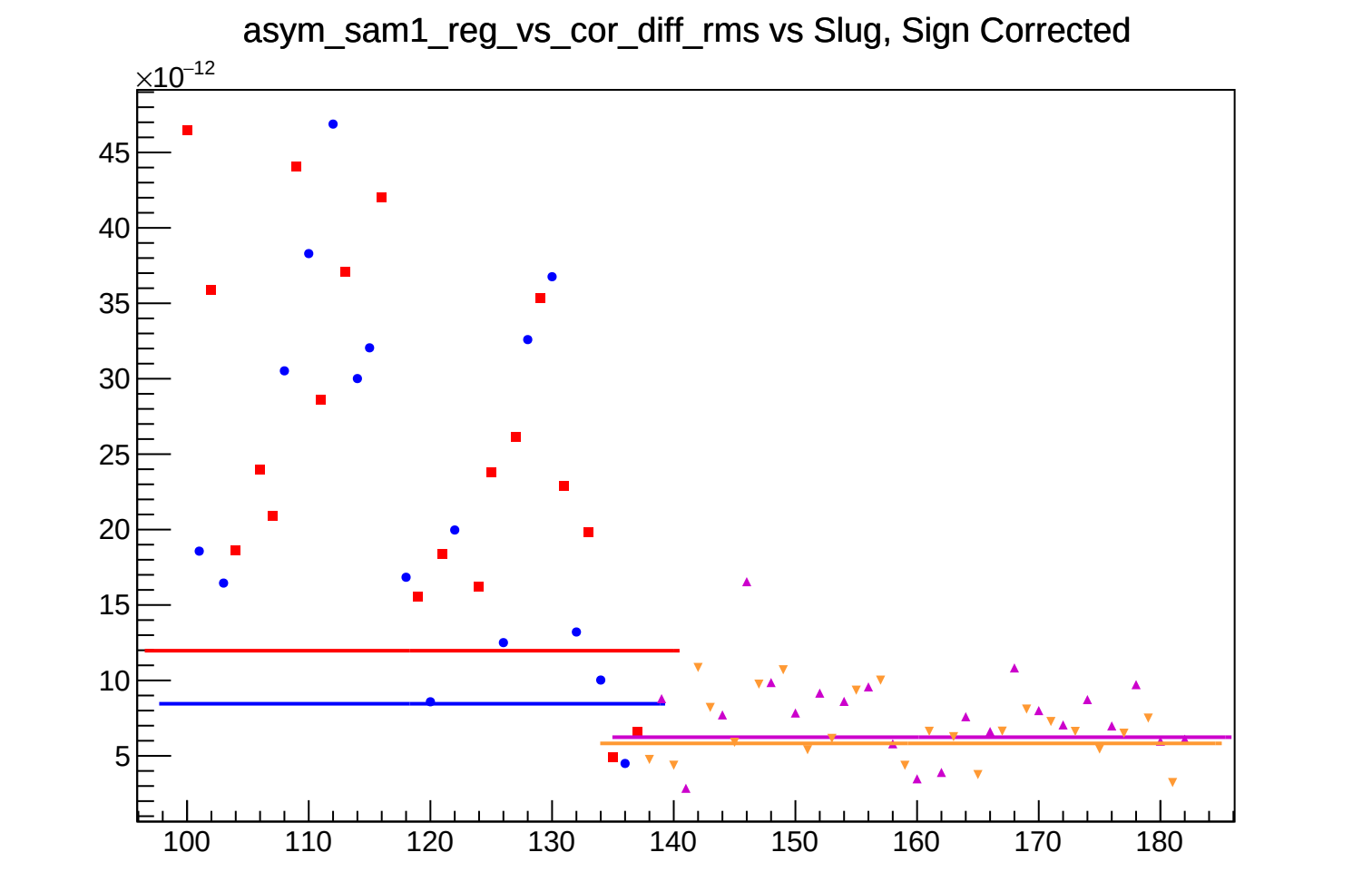
Left: 0.000+/-0.000 χ^2/NDF: 26.4/44

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:29.6/37

Out: 0.000+/-0.000 χ^2/NDF:32.2/41

All: 0.000+/-0.000 χ^2/NDF: 61.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1124564.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1968863.2/21

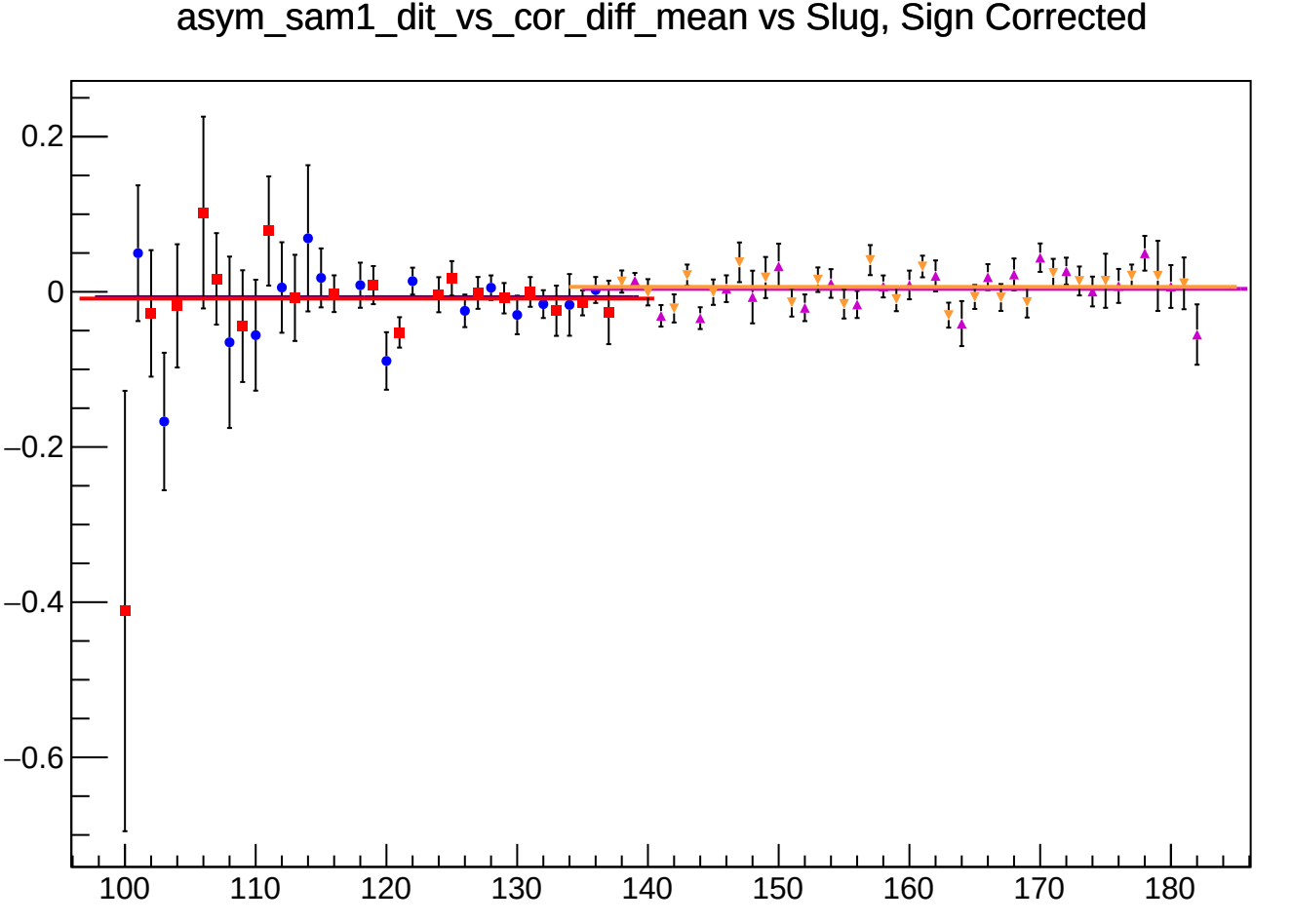
Left: 0.000+/-0.000 χ^2/NDF: 3120265.7/44

Right: 0.000+/-0.000 χ^2/NDF: 5753139.7/34

In: 0.000+/-0.000 χ^2/NDF:4944053.5/37

Out: 0.000+/-0.000 χ^2/NDF:4931209.3/41

All: 0.000+/-0.000 χ^2/NDF: 9888117.8/79



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/22

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.004 χ^2/NDF:37.1/21

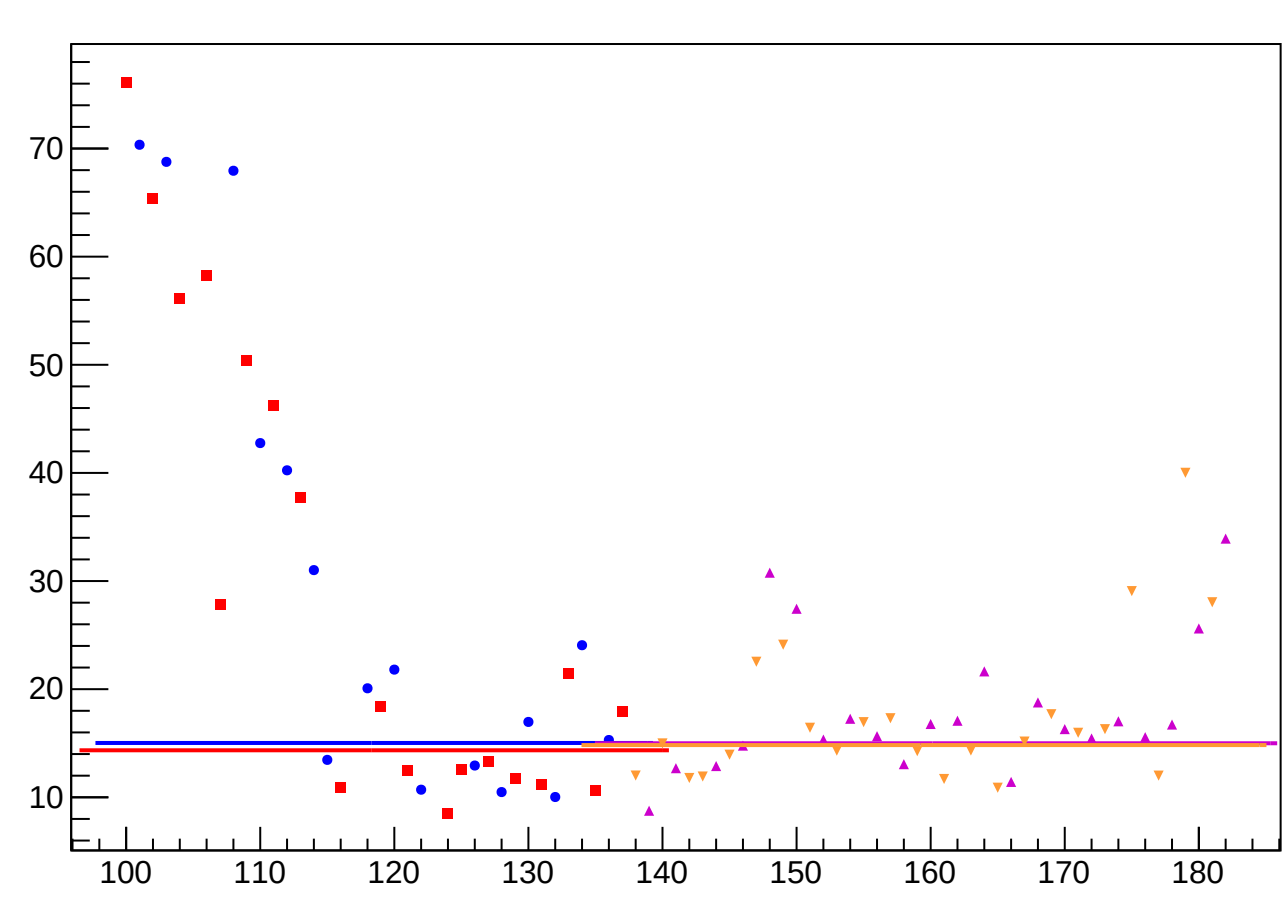
Left: 0.005+/-0.003 χ^2/NDF: 63.7/44

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:54.0/37

Out: 0.003+/-0.003 χ^2/NDF:43.2/41

All: 0.002+/-0.002 χ^2/NDF: 97.2/79



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.830+/-0.003 χ^2/NDF:2380766.0/22

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.997+/-0.003 χ^2/NDF:2862095.9/21

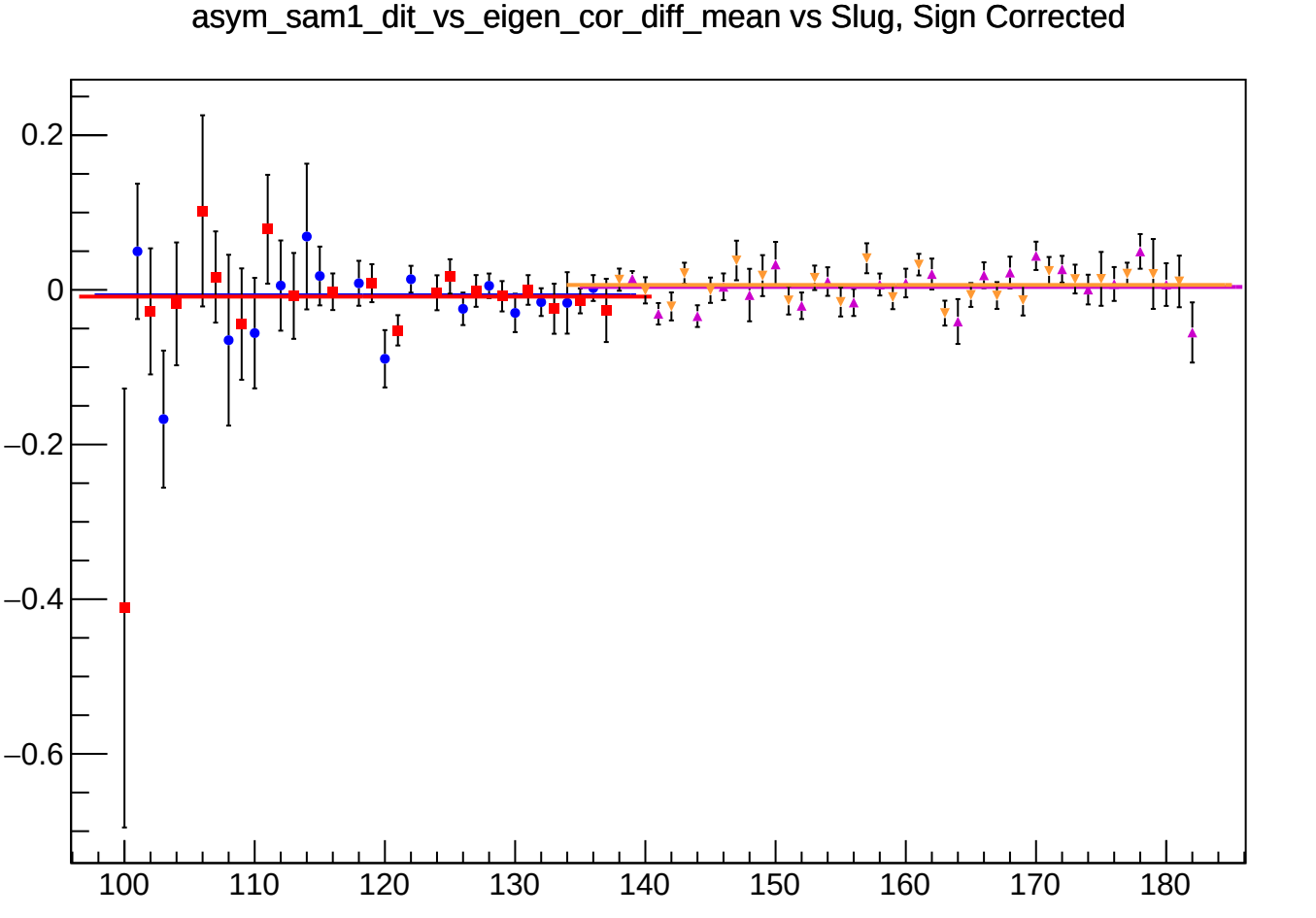
Left: 14.911+/-0.002 χ^2/NDF: 5244825.5/44

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 15.004+/-0.002 χ^2/NDF:6300383.3/37

Out: 14.708+/-0.002 χ^2/NDF:6018277.7/41

All: 14.851+/-0.002 χ^2/NDF: 12326851.5/79



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/22

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.004 χ^2/NDF:37.1/21

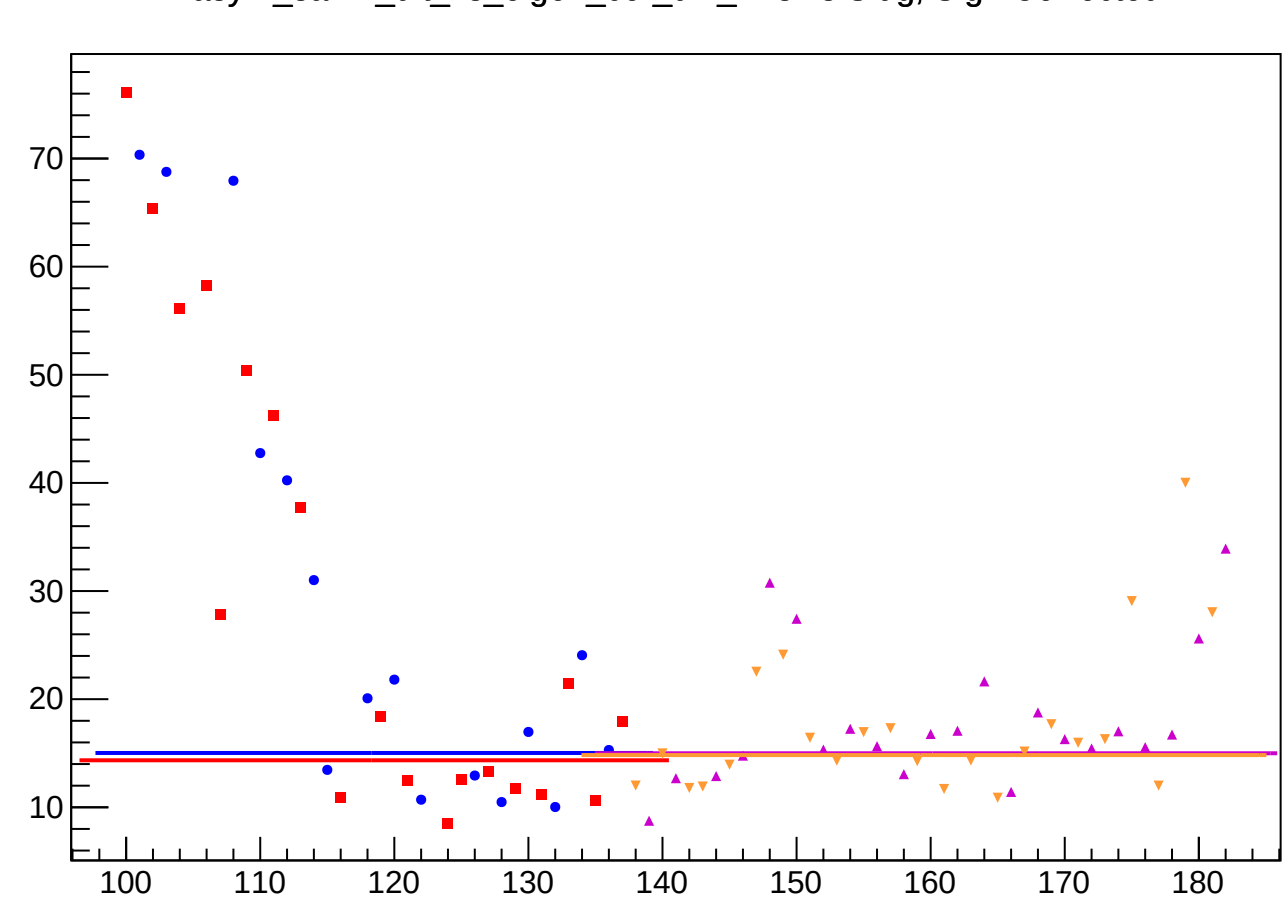
Left: 0.005+/-0.003 χ^2/NDF: 63.7/44

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:54.0/37

Out: 0.003+/-0.003 χ^2/NDF:43.2/41

All: 0.002+/-0.002 χ^2/NDF: 97.2/79



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.830+/-0.003 χ^2/NDF:2380766.0/22

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.997+/-0.003 χ^2/NDF:2862095.9/21

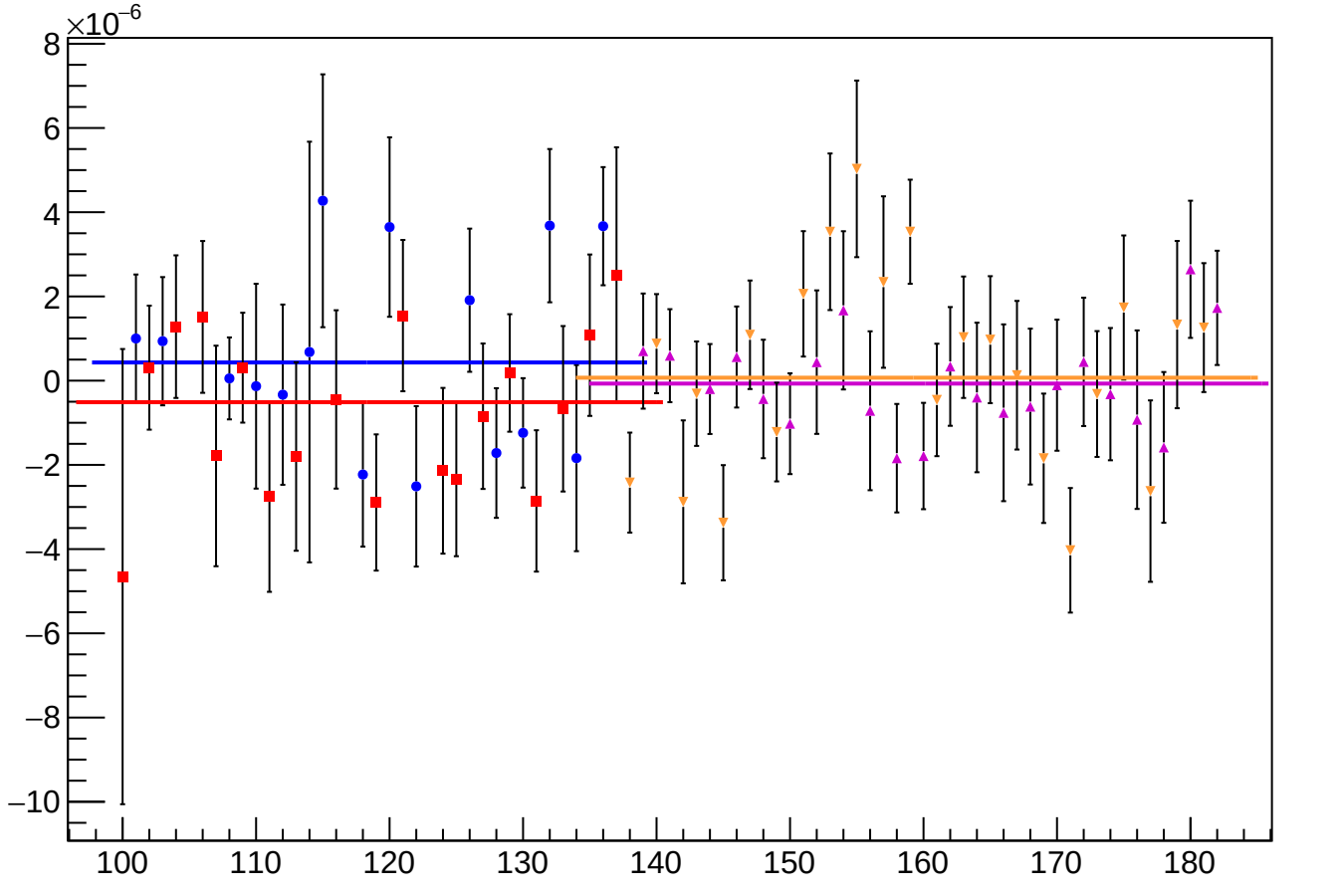
Left: 14.911+/-0.002 χ^2/NDF: 5244825.5/44

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 15.004+/-0.002 χ^2/NDF:6300383.3/37

Out: 14.708+/-0.002 χ^2/NDF:6018277.7/41

All: 14.851+/-0.002 χ^2/NDF: 12326851.5/79



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.2/22

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

Left In: -0.000+/-0.000 χ^2/NDF:12.3/21

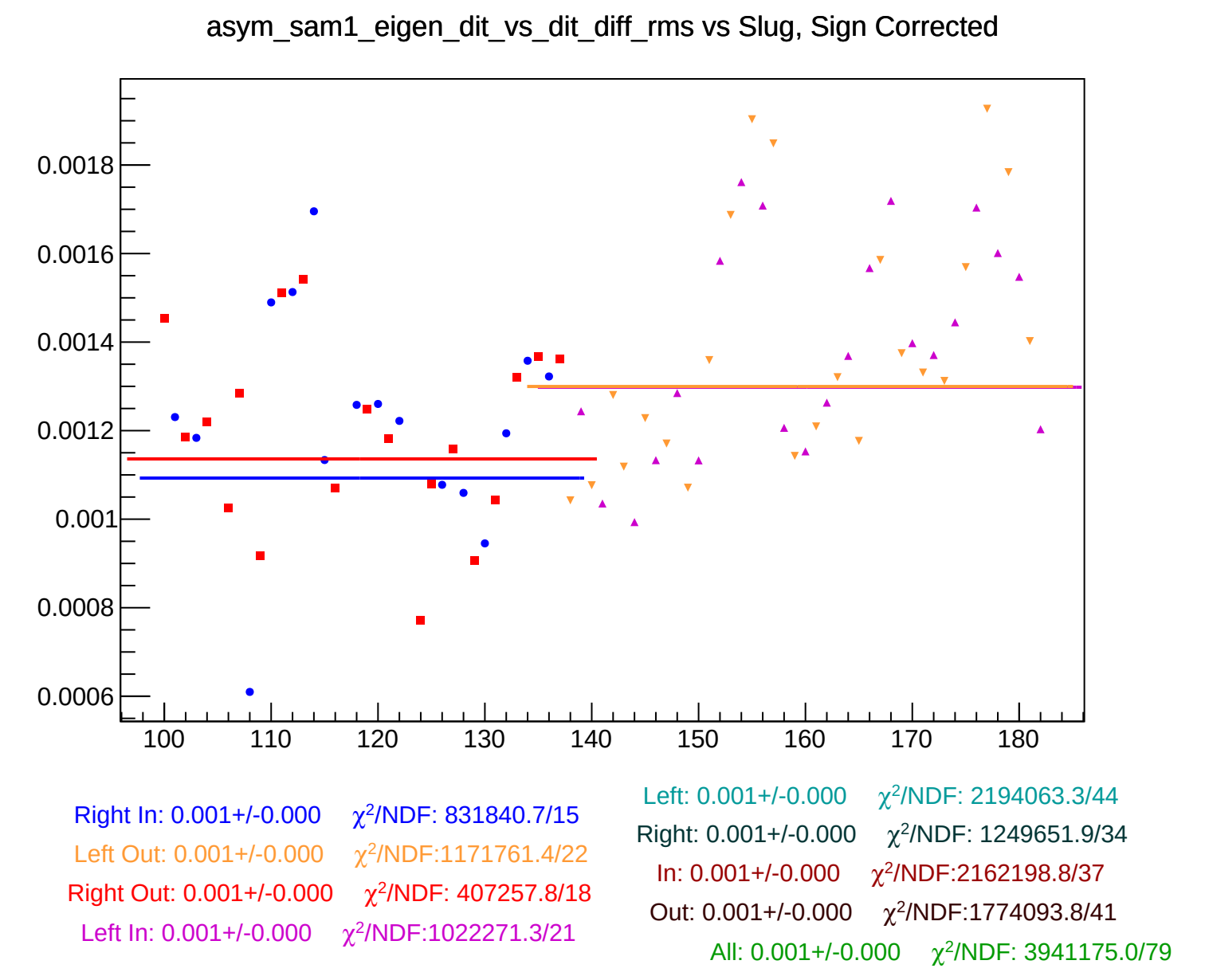
Left: 0.000+/-0.000 χ^2/NDF: 61.7/44

Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

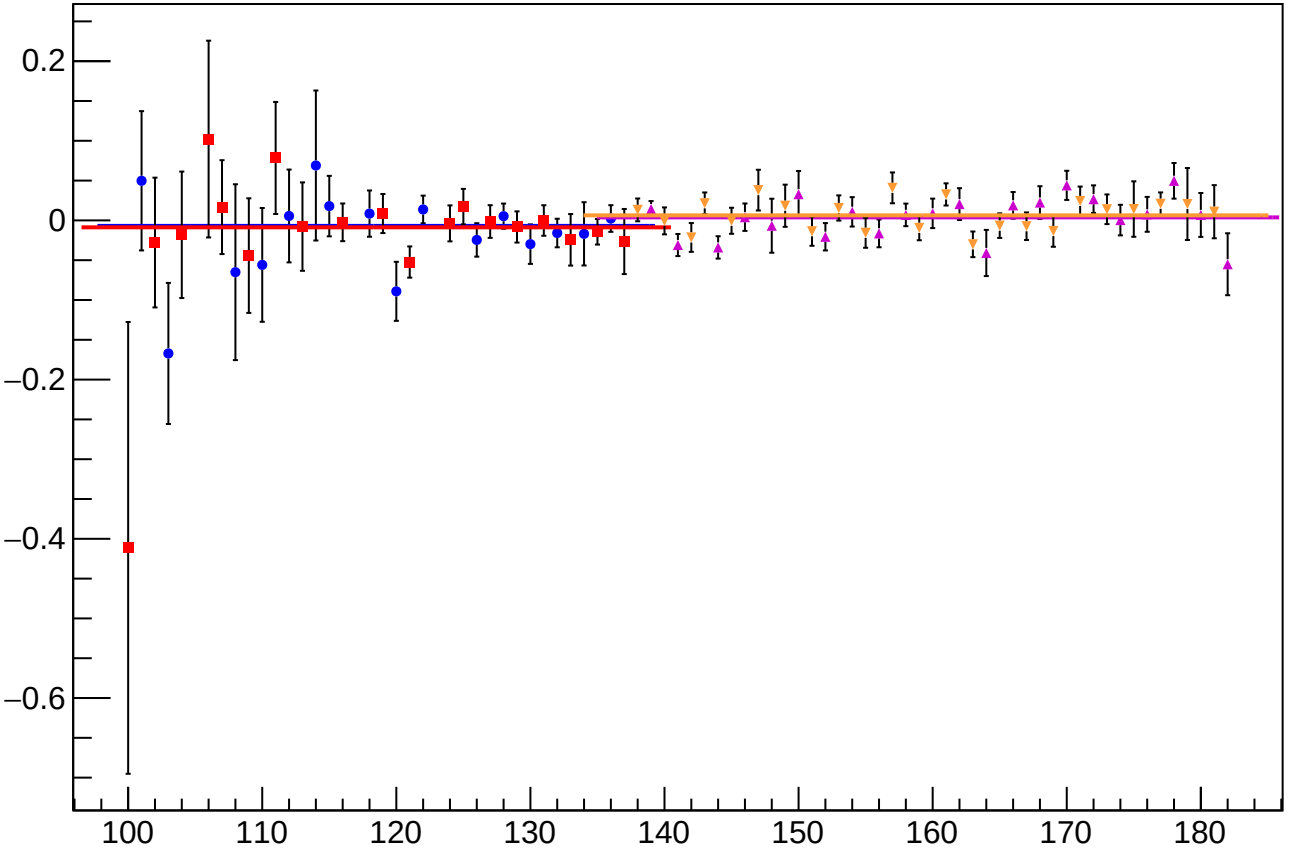
In: 0.000+/-0.000 χ^2/NDF:36.5/37

Out: -0.000+/-0.000 χ^2/NDF:64.7/41

All: -0.000+/-0.000 χ^2/NDF: 101.7/79


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:1171761.4/22
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:1022271.3/21
Left: 0.001+/-0.000 χ²/NDF: 2194063.3/44
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:2162198.8/37
Out: 0.001+/-0.000 χ²/NDF:1774093.8/41
All: 0.001+/-0.000 χ²/NDF: 3941175.0/79

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/22

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.004 χ^2/NDF:37.1/21

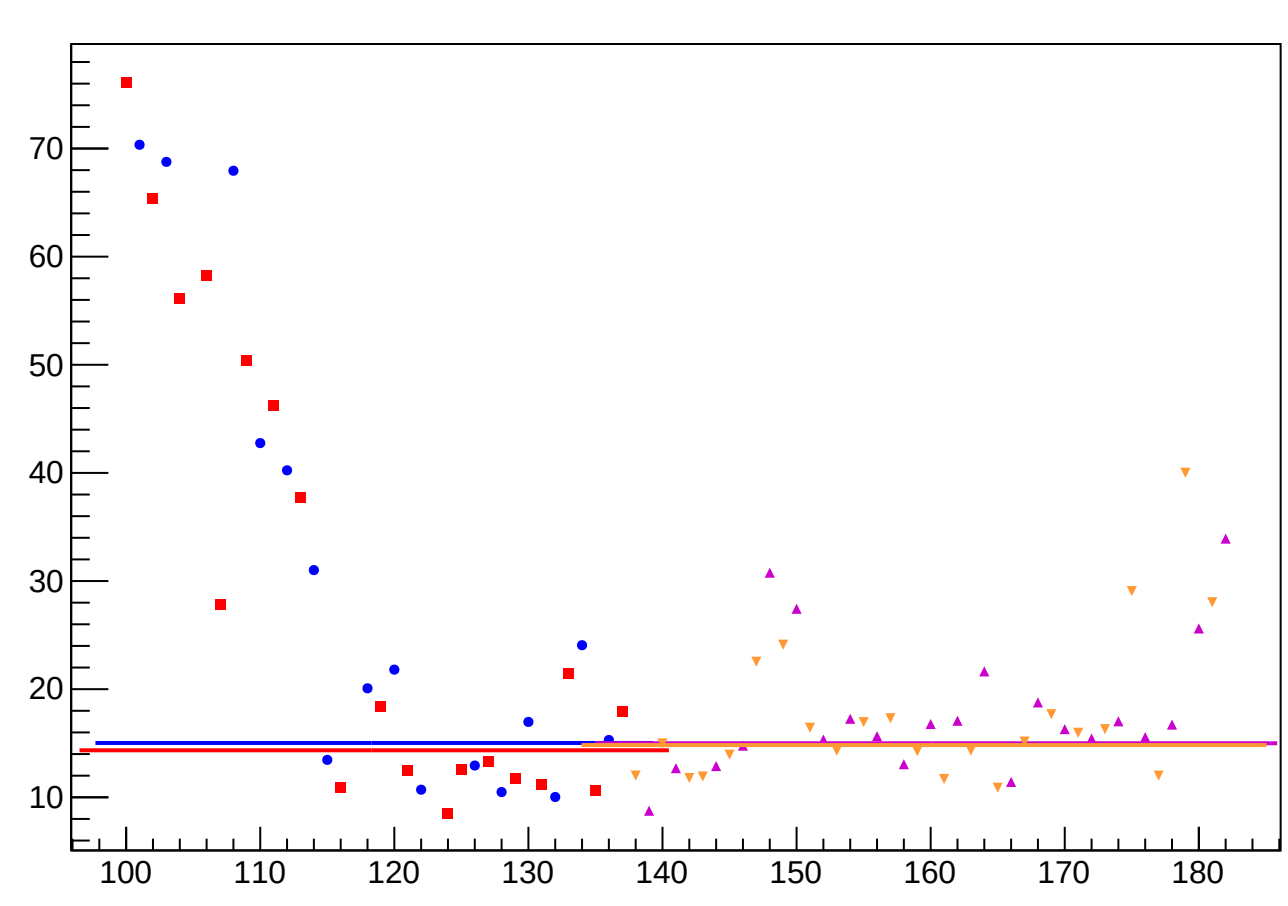
Left: 0.005+/-0.003 χ^2/NDF: 63.7/44

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:54.0/37

Out: 0.003+/-0.003 χ^2/NDF:43.2/41

All: 0.002+/-0.002 χ^2/NDF: 97.2/79



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.830+/-0.003 χ^2/NDF:2380958.5/22

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.997+/-0.003 χ^2/NDF:2862134.8/21

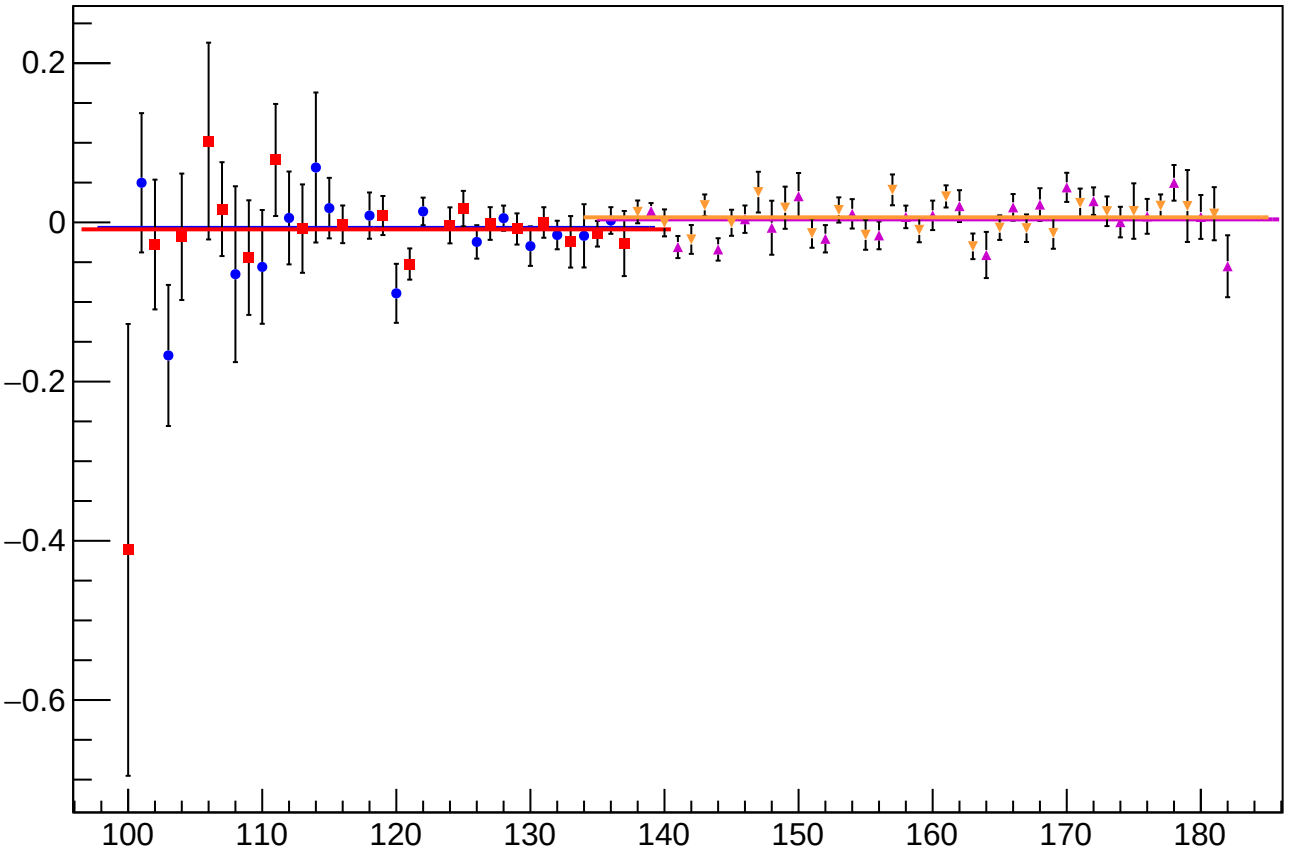
Left: 14.911+/-0.002 χ^2/NDF: 5245058.6/44

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 15.004+/-0.002 χ^2/NDF:6300440.4/37

Out: 14.708+/-0.002 χ^2/NDF:6018455.4/41

All: 14.850+/-0.002 χ^2/NDF: 12327088.0/79



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/22

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.004 χ^2/NDF:37.1/21

Left: 0.005+/-0.003 χ^2/NDF: 63.7/44

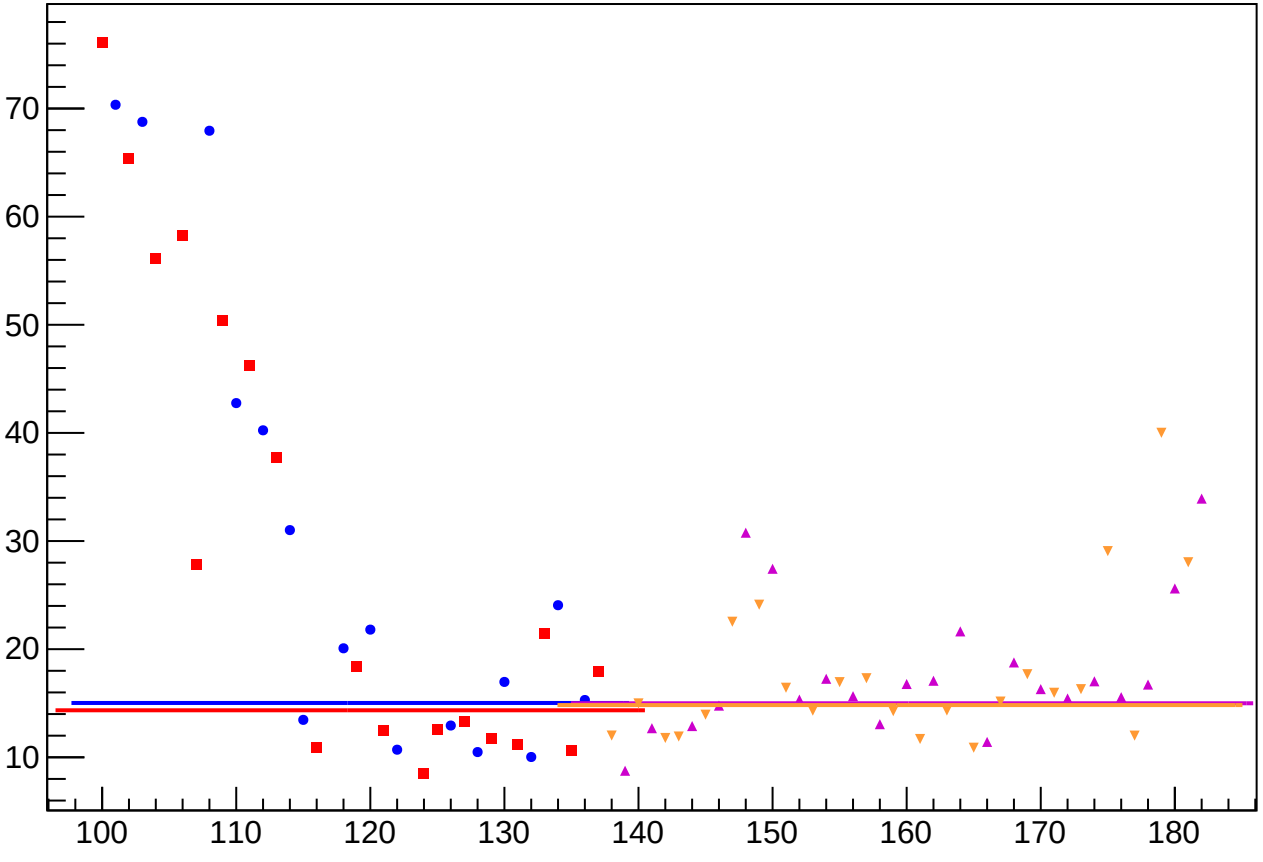
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:54.0/37

Out: 0.003+/-0.003 χ^2/NDF:43.2/41

All: 0.002+/-0.002 χ^2/NDF: 97.2/79

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.830+/-0.003 χ^2/NDF:2380958.5/22

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.997+/-0.003 χ^2/NDF:2862134.8/21

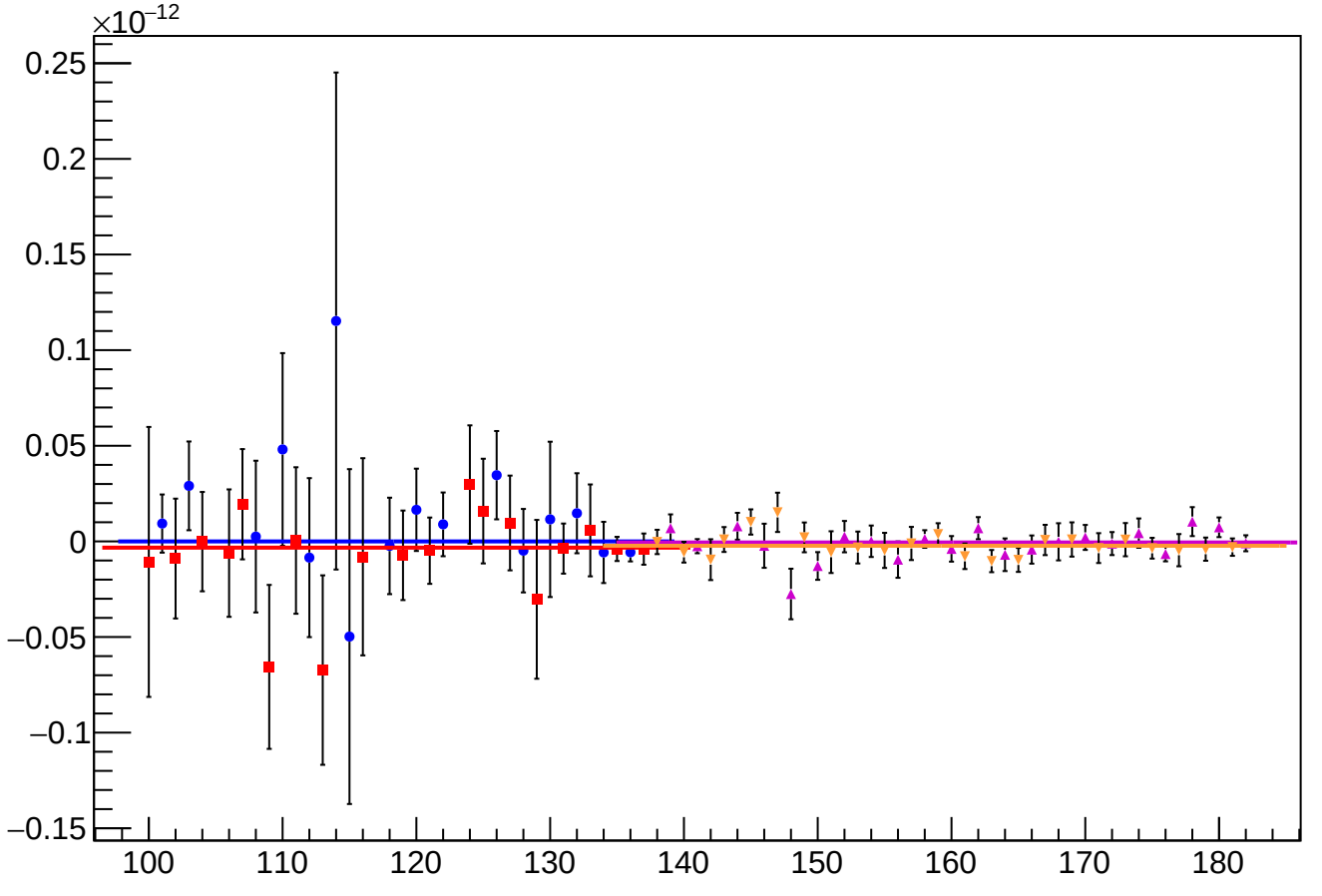
Left: 14.911+/-0.002 χ^2/NDF: 5245058.6/44

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 15.004+/-0.002 χ^2/NDF:6300440.4/37

Out: 14.708+/-0.002 χ^2/NDF:6018455.4/41

All: 14.850+/-0.002 χ^2/NDF: 12327088.0/79



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/22

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:21.3/21

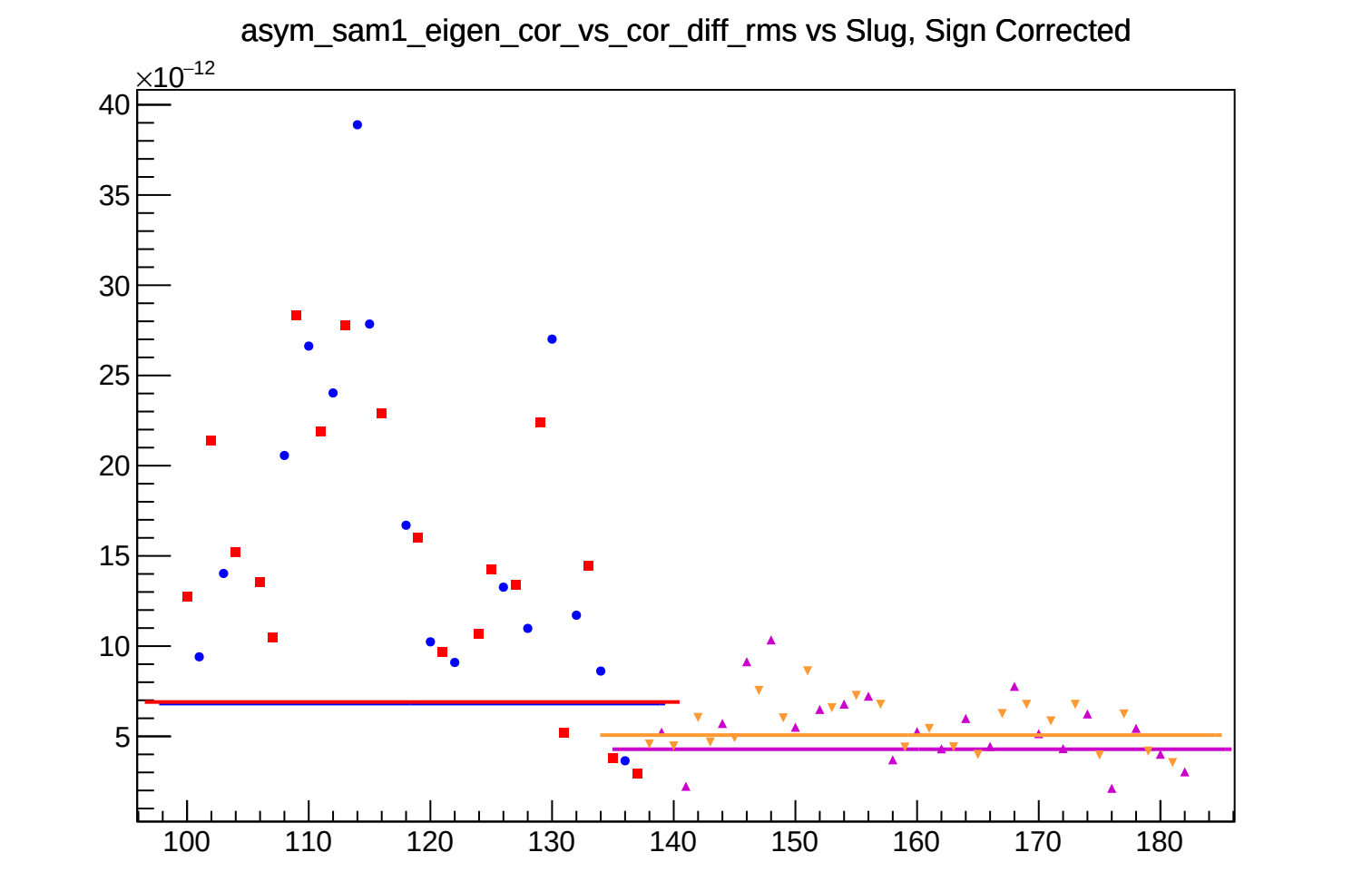
Left: -0.000+/-0.000 χ^2/NDF: 36.0/44

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

In: -0.000+/-0.000 χ^2/NDF:30.6/37

Out: -0.000+/-0.000 χ^2/NDF:21.0/41

All: -0.000+/-0.000 χ^2/NDF: 52.6/79



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1399070.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3525939.8/21

Left: 0.000+/-0.000 χ^2/NDF: 5245749.1/44

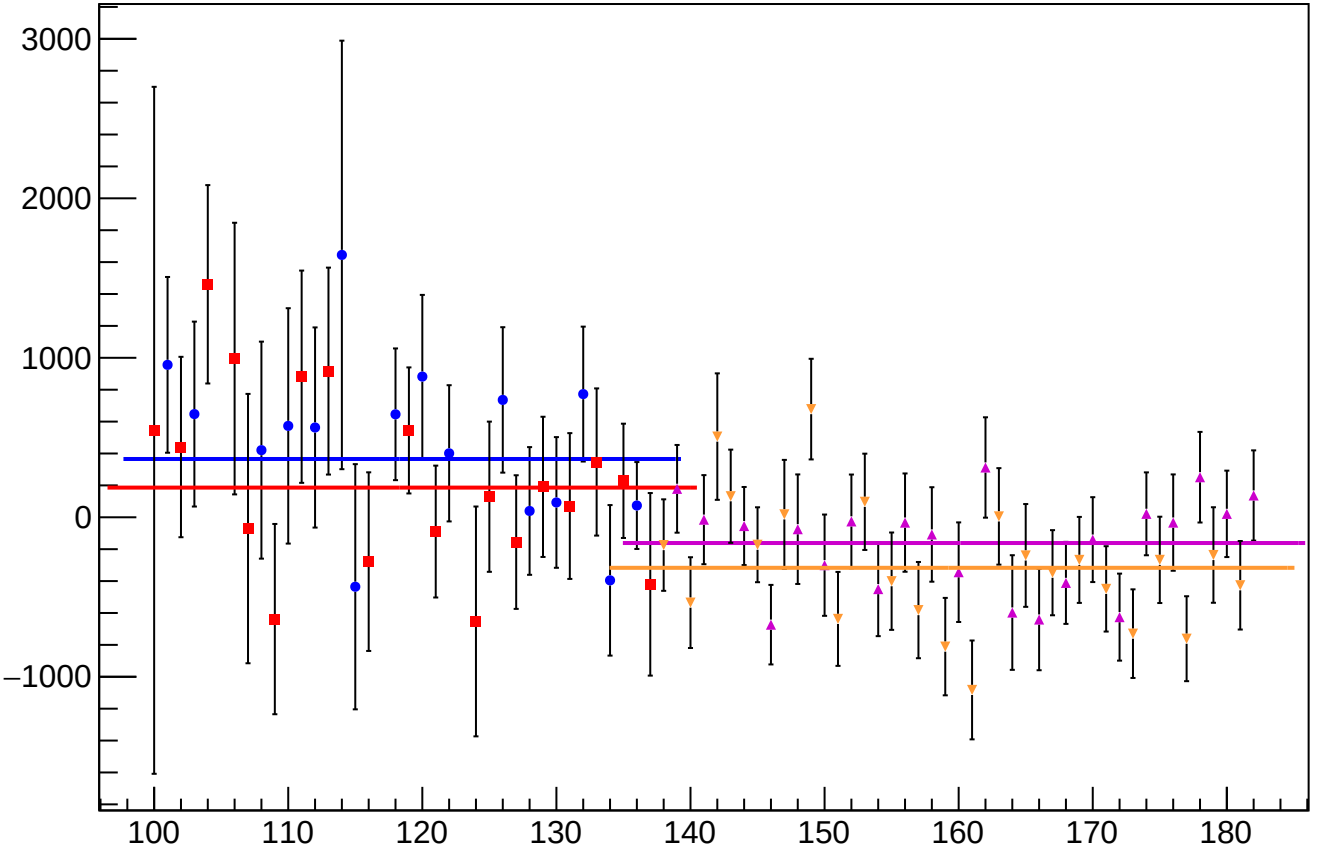
Right: 0.000+/-0.000 χ^2/NDF: 7753131.5/34

In: 0.000+/-0.000 χ^2/NDF:7833135.3/37

Out: 0.000+/-0.000 χ^2/NDF:6020251.8/41

All: 0.000+/-0.000 χ^2/NDF: 14165130.4/79

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -316.795+/-60.653 χ^2/NDF:38.2/22

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -161.338+/-61.182 χ^2/NDF:22.4/21

Left: -239.741+/-43.074 χ^2/NDF: 63.8/44

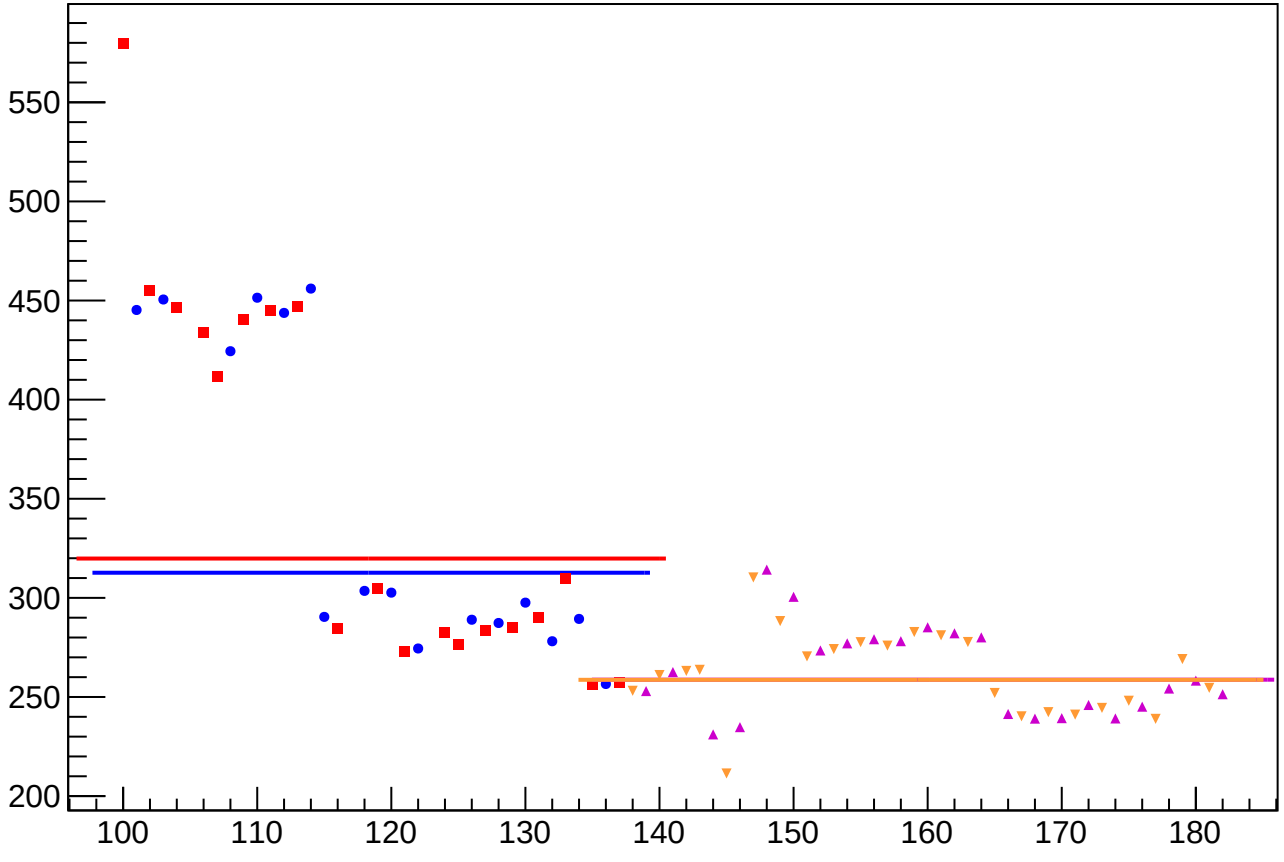
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -50.998+/-54.399 χ^2/NDF:49.4/37

Out: -214.709+/-54.149 χ^2/NDF:67.1/41

All: -133.232+/-38.377 χ^2/NDF: 121.1/79

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 258.662+/-0.043 χ^2/NDF:248095.9/22

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 258.724+/-0.043 χ^2/NDF:244459.3/21

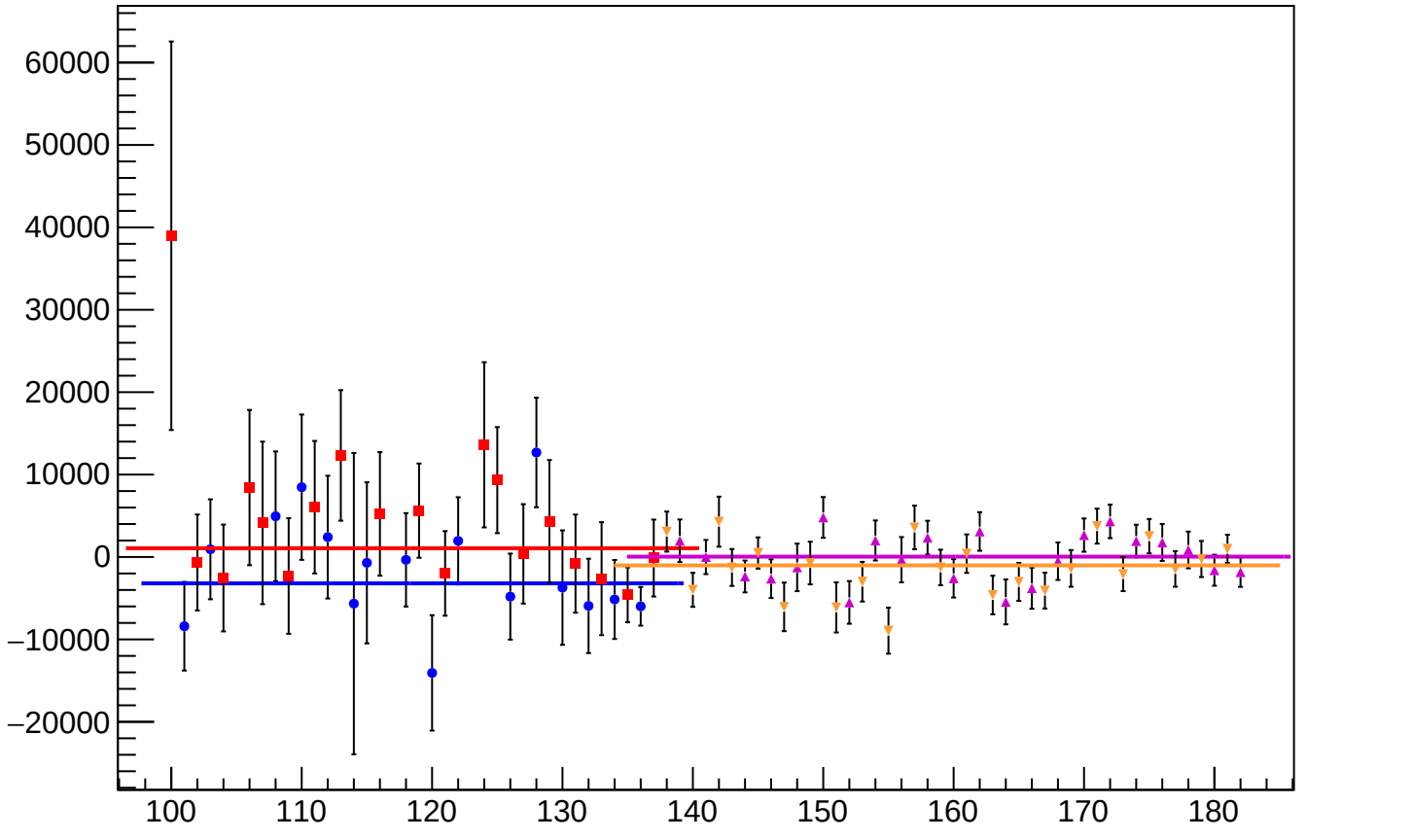
Left: 258.693+/-0.030 χ^2/NDF: 492556.2/44

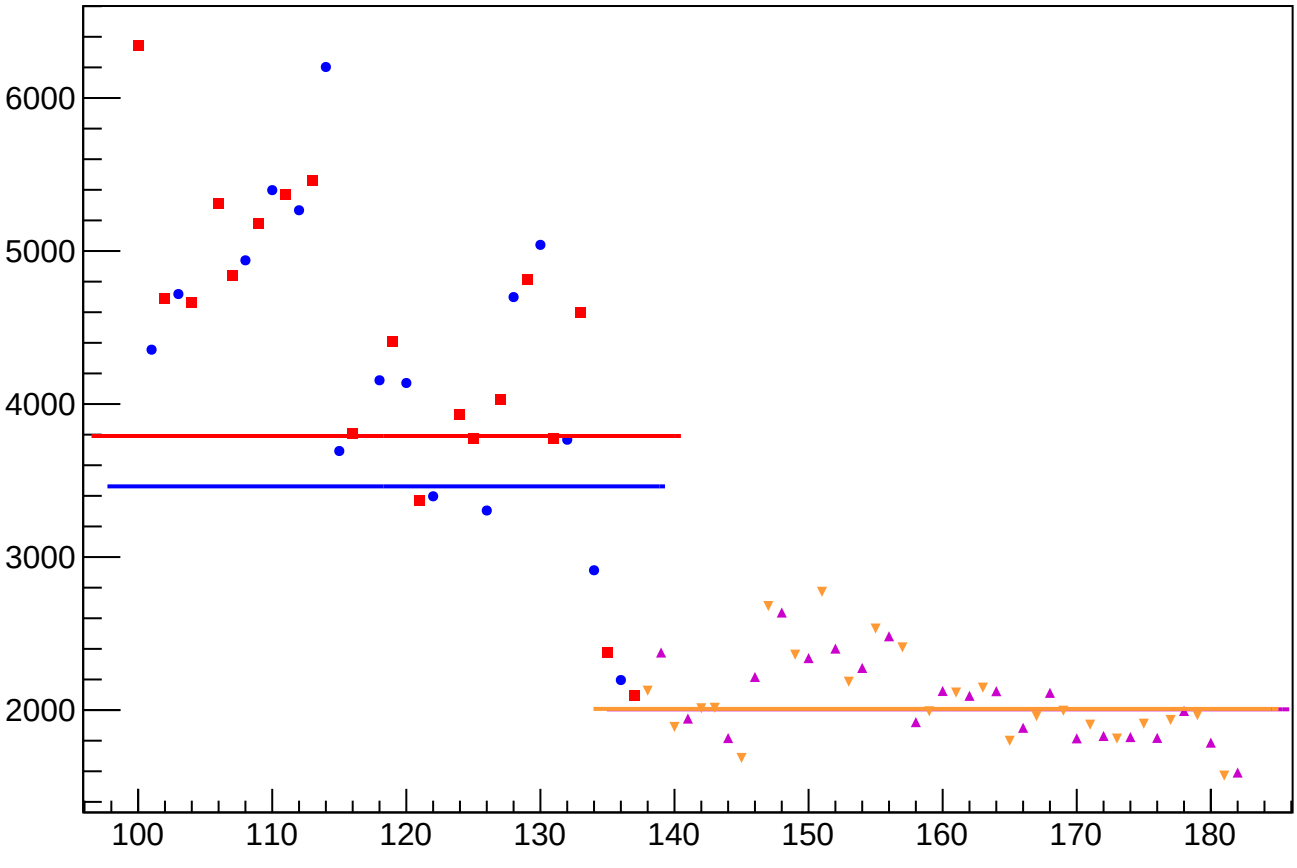
Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 270.024+/-0.038 χ^2/NDF:1172458.7/37

Out: 271.080+/-0.038 χ^2/NDF:1358995.7/41

All: 270.555+/-0.027 χ^2/NDF: 2531833.4/79


asym_sam2_reg_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -3198.742+/-1353.814 χ²/NDF: 16.1/15
Left Out: -1018.278+/-474.579 χ²/NDF:41.3/22
Right Out: 1065.939+/-1443.326 χ²/NDF: 14.4/18
Left In: 41.189+/-476.832 χ²/NDF:32.9/21
Left: -491.054+/-336.372 χ²/NDF: 76.7/44
Right: -1202.738+/-987.420 χ²/NDF: 35.1/34
In: -316.382+/-449.751 χ²/NDF:54.1/37
Out: -814.927+/-450.833 χ²/NDF:57.6/41
All: -565.055+/-318.404 χ²/NDF: 112.3/79



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2007.704+/-0.336 χ^2/NDF:652048.9/22

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2004.966+/-0.337 χ^2/NDF:564141.1/21

Left: 2006.341+/-0.238 χ^2/NDF: 1216223.2/44

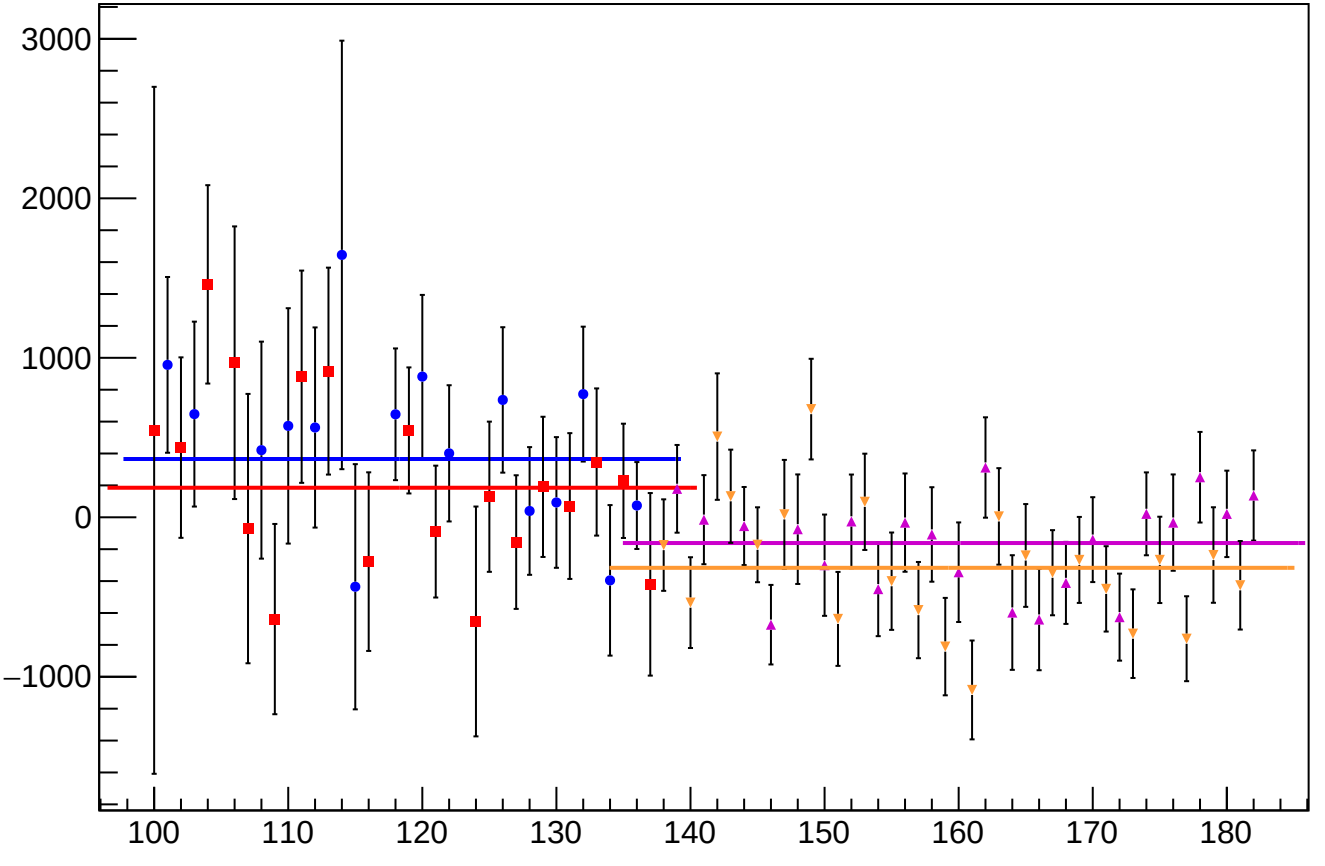
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2165.762+/-0.318 χ^2/NDF:3934450.3/37

Out: 2181.715+/-0.319 χ^2/NDF:4563708.0/41

All: 2173.719+/-0.225 χ^2/NDF: 8499413.5/79

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -316.797+/-60.653 χ^2/NDF:38.2/22

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -161.347+/-61.182 χ^2/NDF:22.4/21

Left: -239.746+/-43.074 χ^2/NDF: 63.8/44

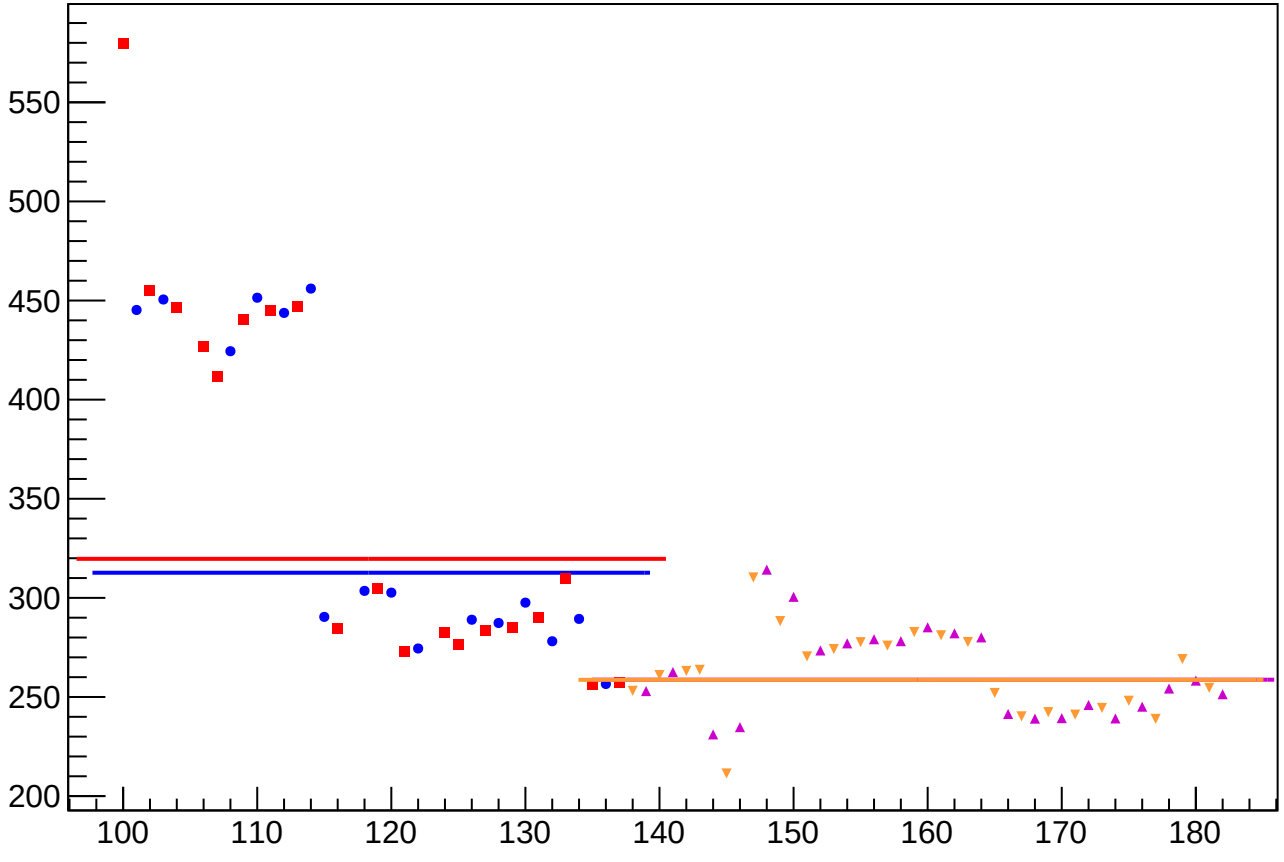
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -51.009+/-54.399 χ^2/NDF:49.4/37

Out: -214.890+/-54.150 χ^2/NDF:67.0/41

All: -133.326+/-38.378 χ^2/NDF: 121.0/79

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.662+/-0.043 χ^2/NDF:248095.9/22

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 258.724+/-0.043 χ^2/NDF:244459.3/21

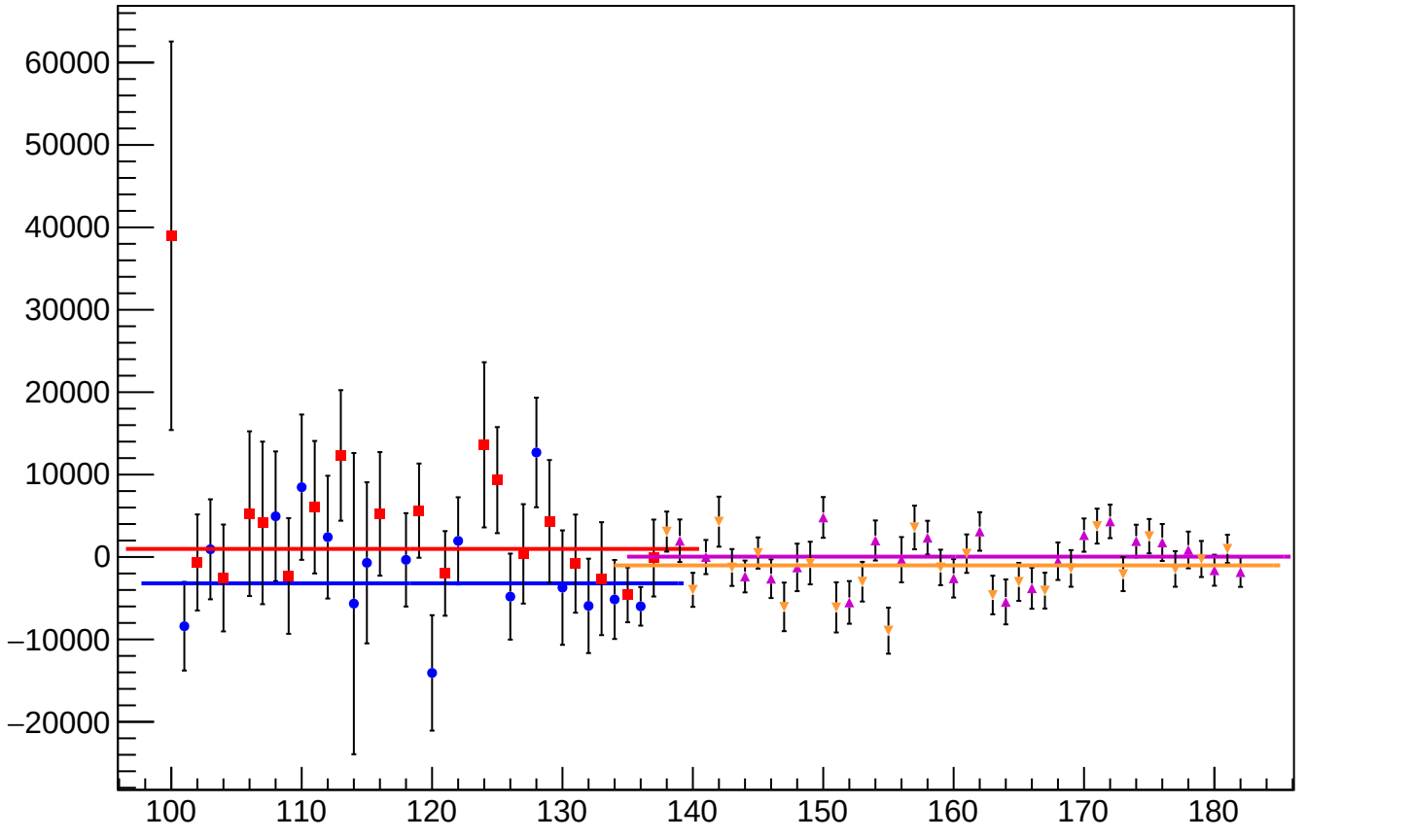
Left: 258.693+/-0.030 χ^2/NDF: 492556.2/44

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 270.024+/-0.038 χ^2/NDF:1172460.3/37

Out: 271.048+/-0.038 χ^2/NDF:1352773.2/41

All: 270.538+/-0.027 χ^2/NDF: 2525589.9/79



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1018.275+/-474.579 χ^2/NDF:41.3/22

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 41.188+/-476.833 χ^2/NDF:32.9/21

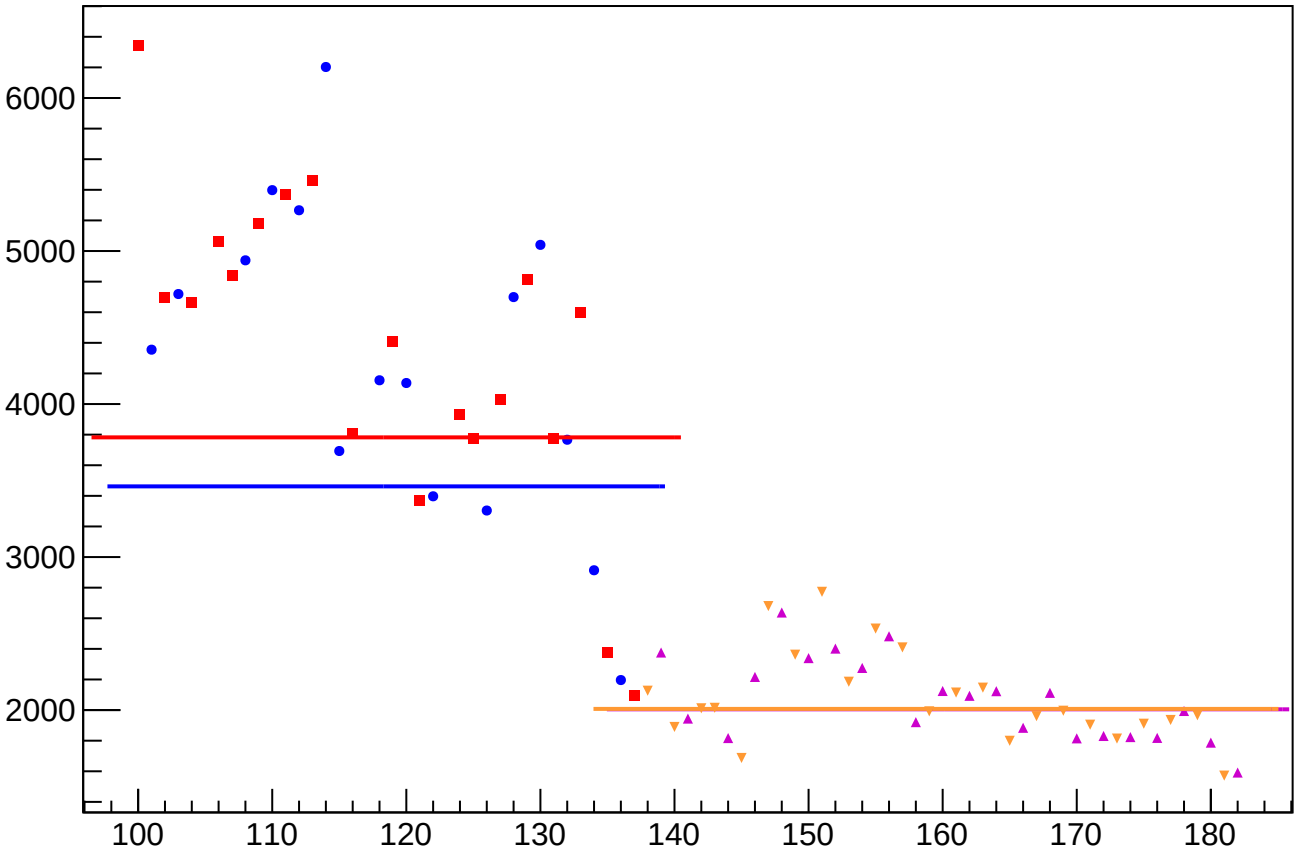
Left: -491.053+/-336.372 χ^2/NDF: 76.7/44

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -316.374+/-449.751 χ^2/NDF:54.1/37

Out: -823.690+/-450.892 χ^2/NDF:57.0/41

All: -569.389+/-318.425 χ^2/NDF: 111.7/79



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2007.704+/-0.336 χ^2/NDF:652050.7/22

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2004.967+/-0.337 χ^2/NDF:564140.5/21

Left: 2006.342+/-0.238 χ^2/NDF: 1216224.3/44

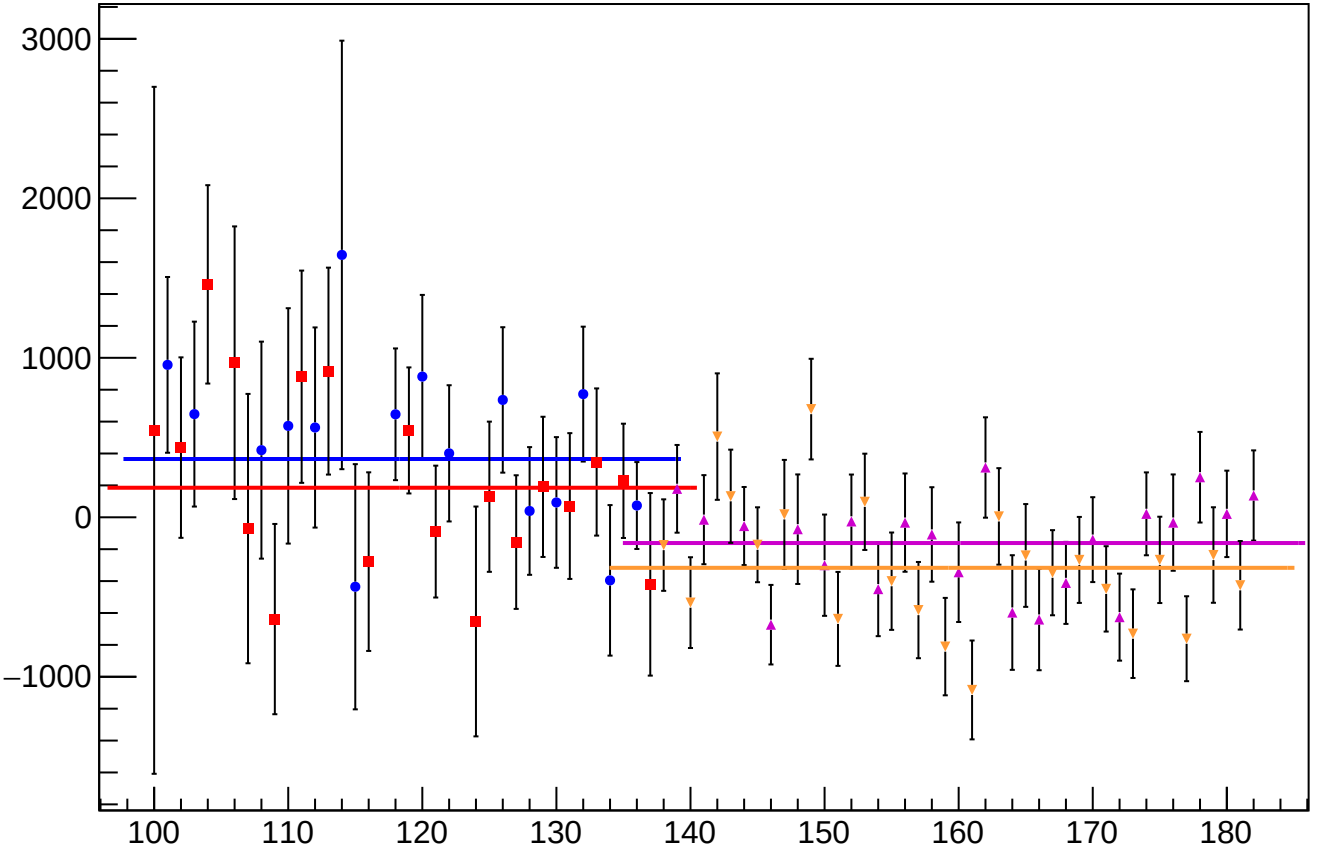
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2165.762+/-0.318 χ^2/NDF:3934468.3/37

Out: 2180.415+/-0.319 χ^2/NDF:4509855.6/41

All: 2173.070+/-0.225 χ^2/NDF: 8445382.6/79

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -316.797+/-60.653 χ^2/NDF:38.2/22

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -161.347+/-61.182 χ^2/NDF:22.4/21

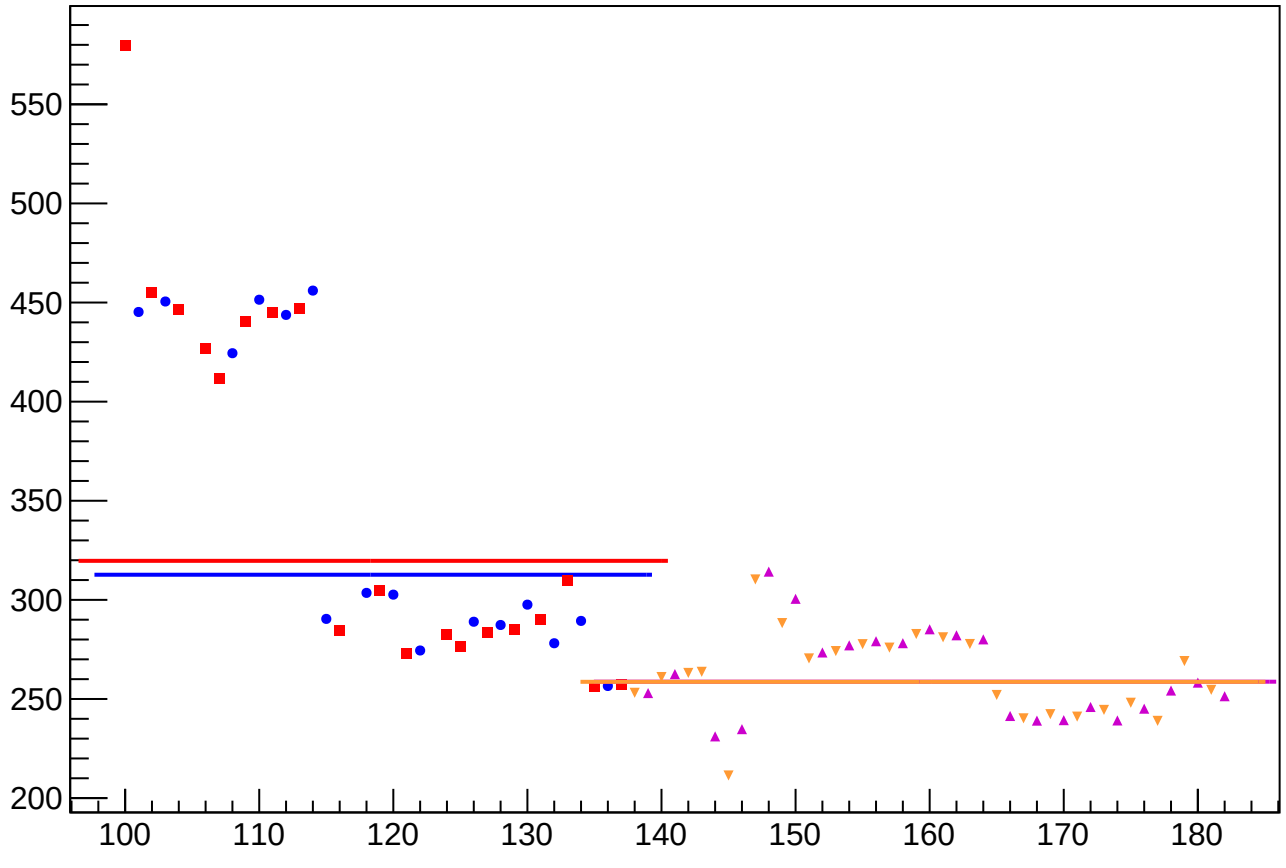
Left: -239.746+/-43.074 χ^2/NDF: 63.8/44

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -51.009+/-54.399 χ^2/NDF:49.4/37

Out: -214.890+/-54.150 χ^2/NDF:67.0/41

All: -133.326+/-38.378 χ^2/NDF: 121.0/79



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.662+/-0.043 χ^2/NDF:248095.9/22

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 258.724+/-0.043 χ^2/NDF:244459.3/21

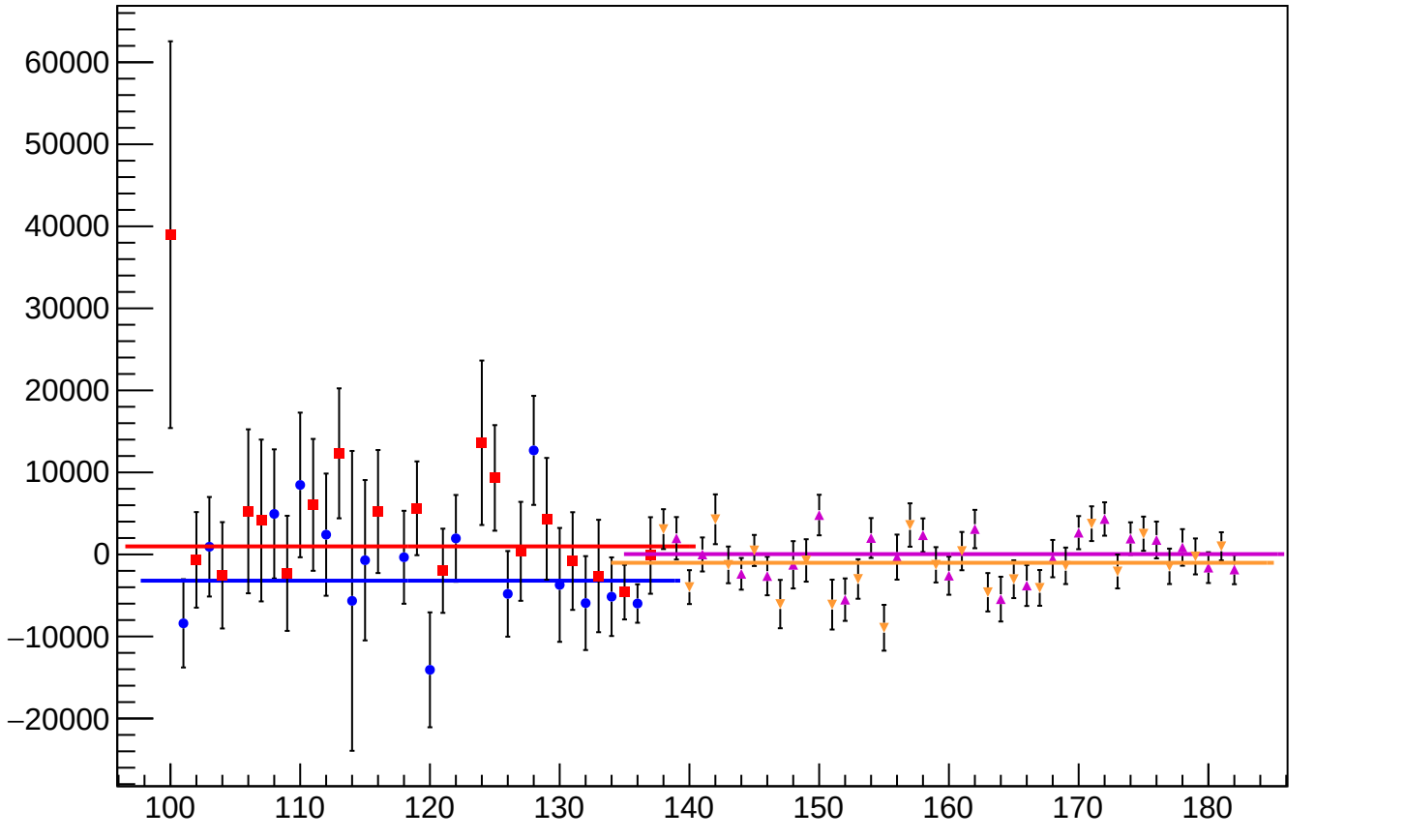
Left: 258.693+/-0.030 χ^2/NDF: 492556.2/44

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 270.024+/-0.038 χ^2/NDF:1172460.3/37

Out: 271.048+/-0.038 χ^2/NDF:1352773.2/41

All: 270.538+/-0.027 χ^2/NDF: 2525589.9/79



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1018.275+/-474.579 χ^2/NDF:41.3/22

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 41.188+/-476.833 χ^2/NDF:32.9/21

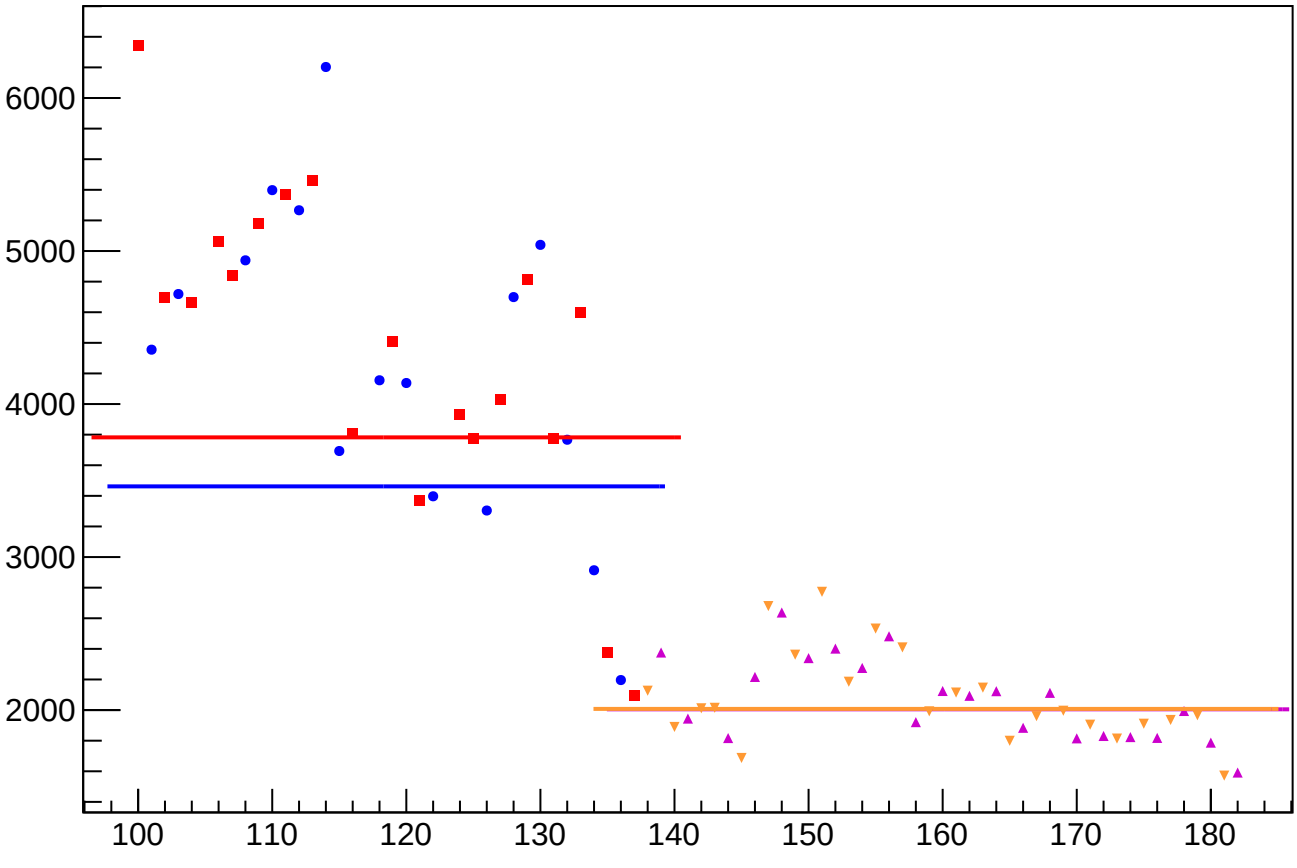
Left: -491.053+/-336.372 χ^2/NDF: 76.7/44

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -316.374+/-449.751 χ^2/NDF:54.1/37

Out: -823.690+/-450.892 χ^2/NDF:57.0/41

All: -569.389+/-318.425 χ^2/NDF: 111.7/79



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2007.704+/-0.336 χ^2/NDF:652050.7/22

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2004.967+/-0.337 χ^2/NDF:564140.5/21

Left: 2006.342+/-0.238 χ^2/NDF: 1216224.3/44

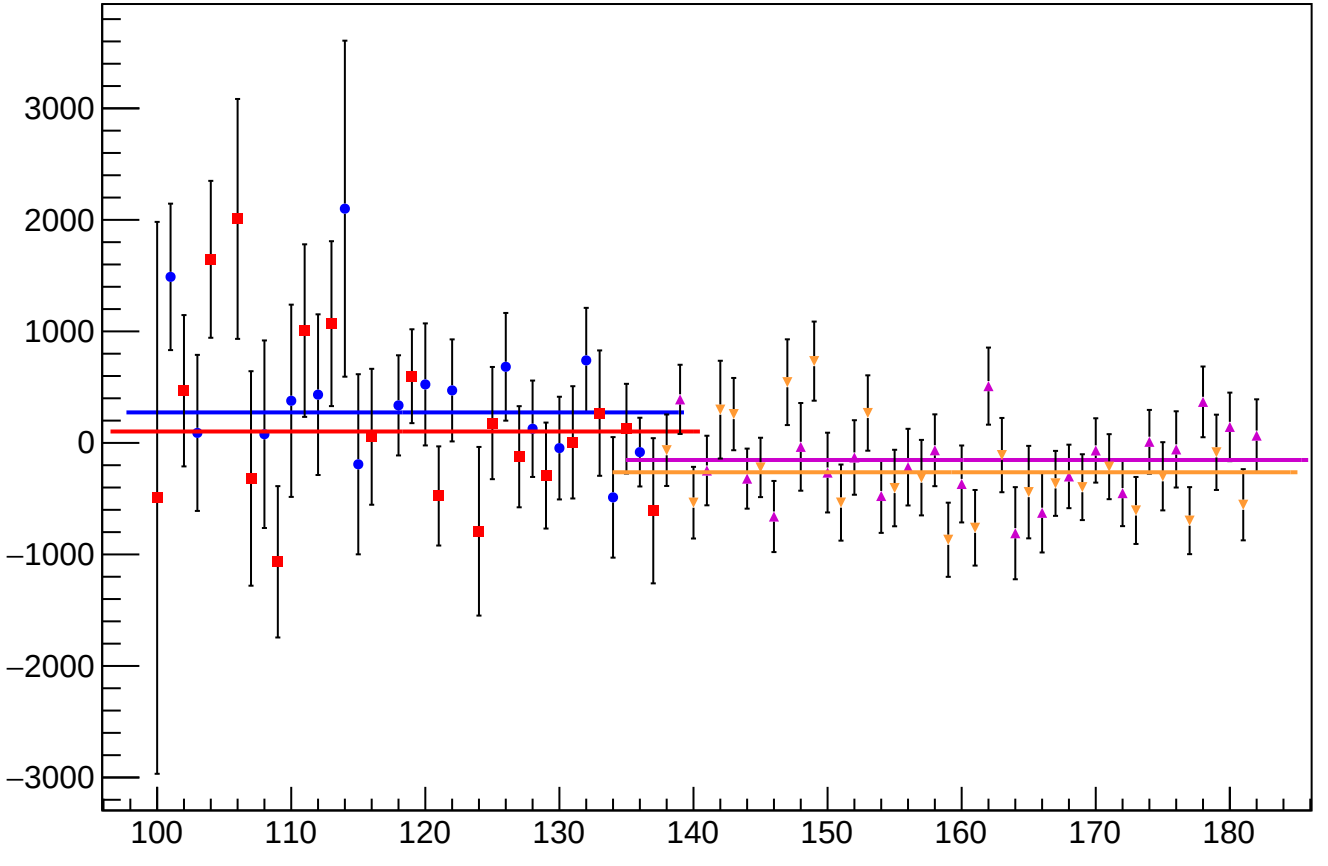
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2165.762+/-0.318 χ^2/NDF:3934468.3/37

Out: 2180.415+/-0.319 χ^2/NDF:4509855.6/41

All: 2173.070+/-0.225 χ^2/NDF: 8445382.6/79

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -263.137+/-67.944 χ^2/NDF:31.7/22

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -153.147+/-68.710 χ^2/NDF:21.5/21

Left: -208.759+/-48.312 χ^2/NDF: 54.5/44

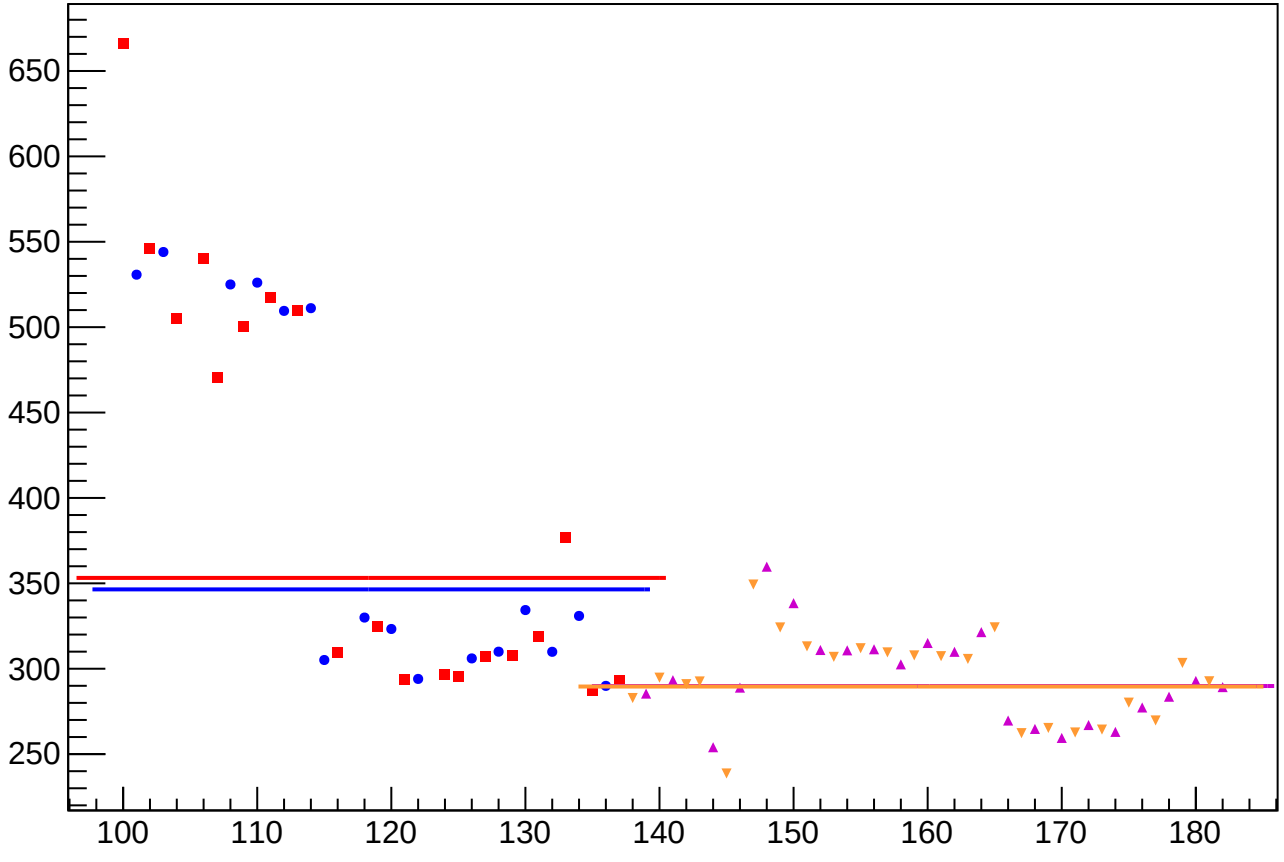
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -62.756+/-61.000 χ^2/NDF:41.1/37

Out: -188.035+/-60.562 χ^2/NDF:58.9/41

All: -125.846+/-42.978 χ^2/NDF: 102.2/79

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 289.578+/-0.048 χ^2/NDF:278931.2/22

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 289.870+/-0.049 χ^2/NDF:269533.6/21

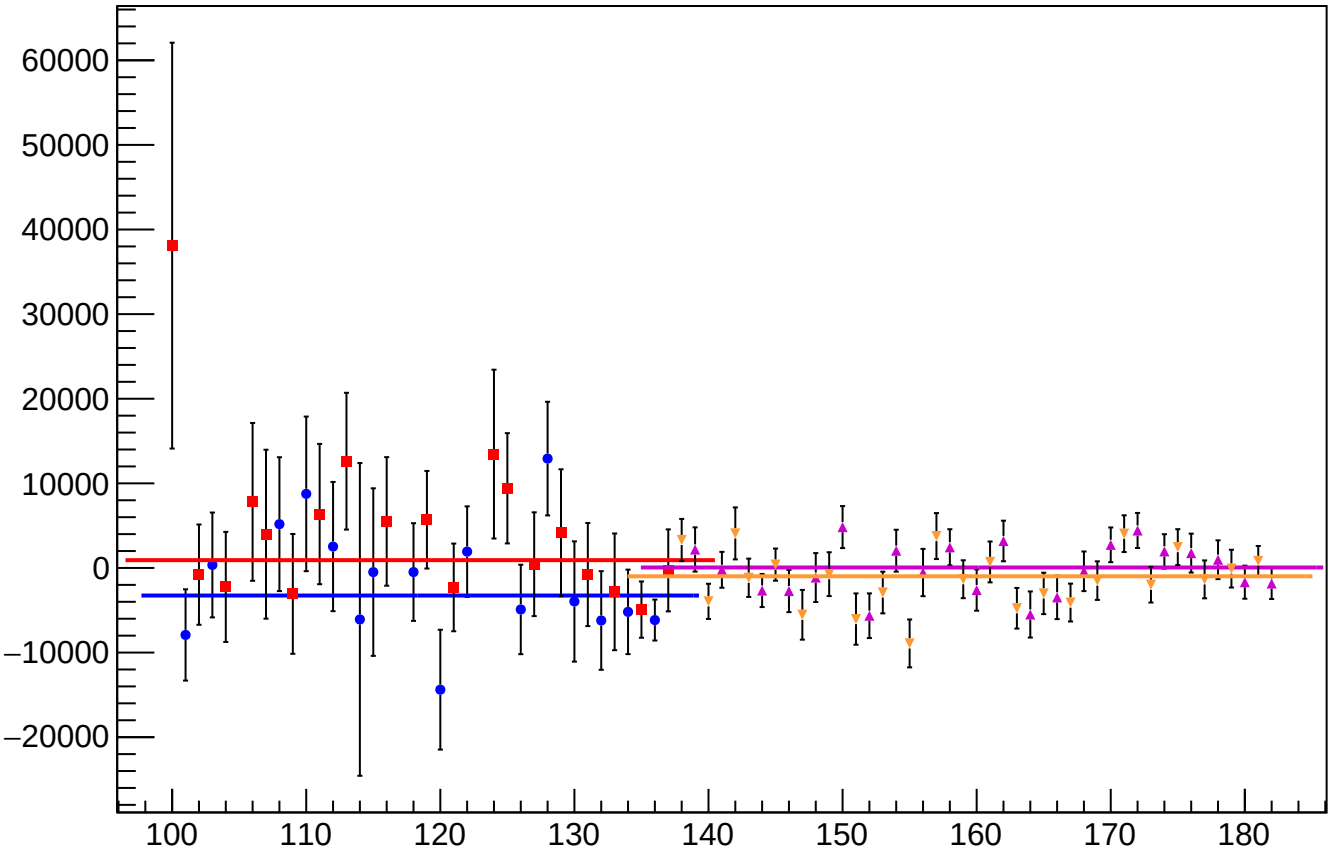
Left: 289.722+/-0.034 χ^2/NDF: 548483.0/44

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 301.856+/-0.043 χ^2/NDF:1325627.8/37

Out: 302.646+/-0.043 χ^2/NDF:1505374.9/41

All: 302.254+/-0.030 χ^2/NDF: 2831171.6/79



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -985.007+/-484.858 χ^2/NDF:40.1/22

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 56.141+/-488.655 χ^2/NDF:32.9/21

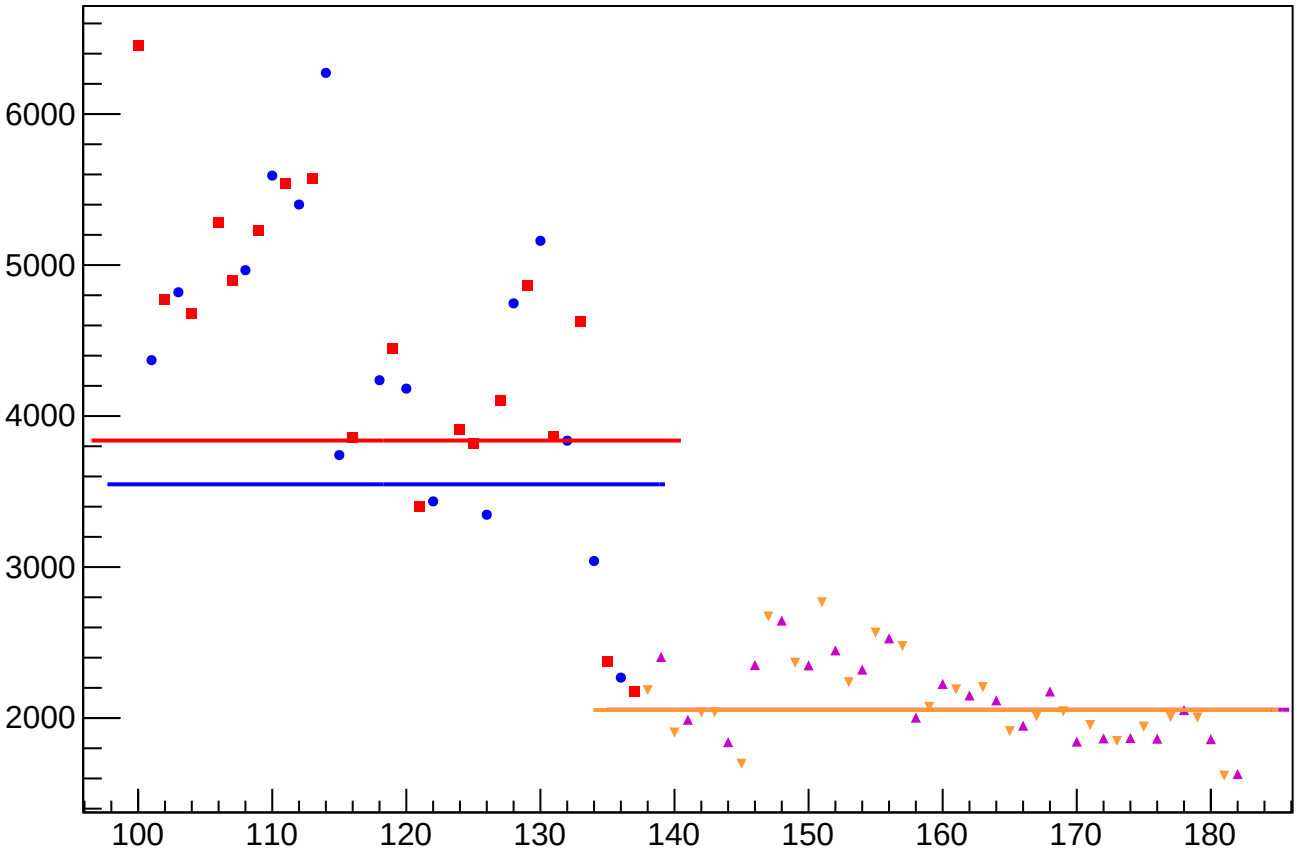
Left: -468.494+/-344.181 χ^2/NDF: 75.3/44

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -311.238+/-460.783 χ^2/NDF:54.0/37

Out: -795.830+/-460.170 χ^2/NDF:56.3/41

All: -553.857+/-325.606 χ^2/NDF: 110.9/79



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2053.432+/-0.343 χ^2/NDF:613293.3/22

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2055.461+/-0.346 χ^2/NDF:546261.4/21

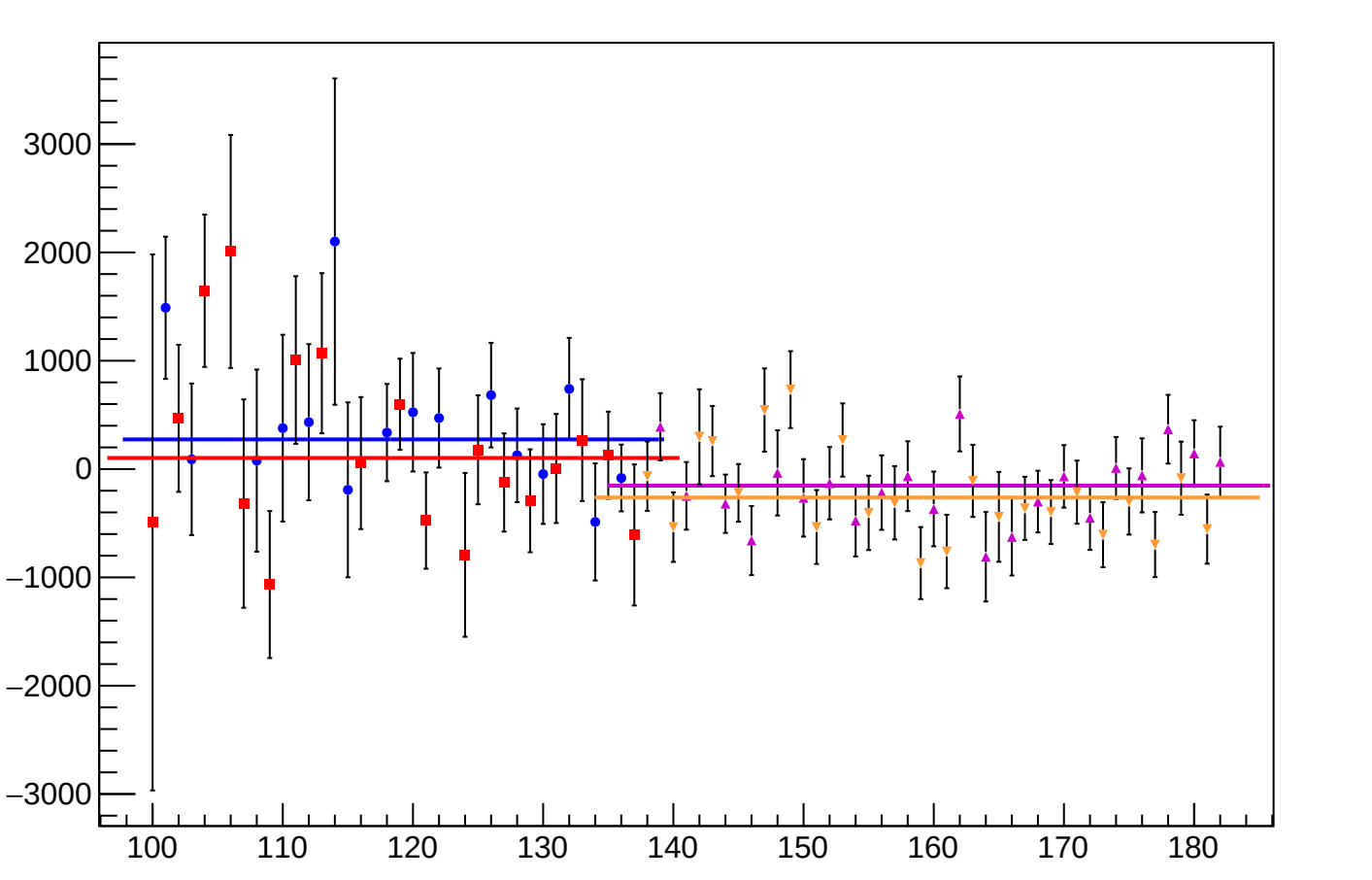
Left: 2054.439+/-0.243 χ^2/NDF: 1159572.1/44

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

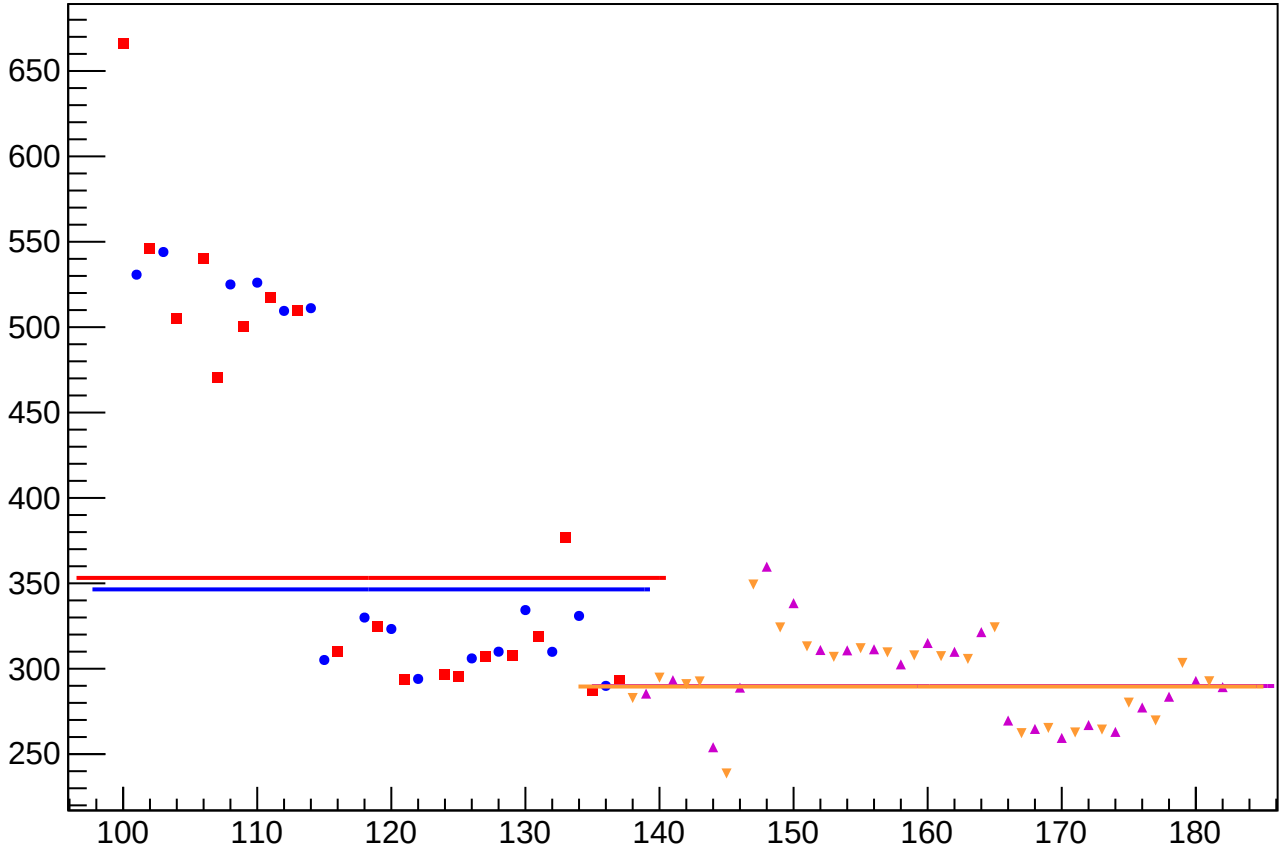
In: 2220.866+/-0.326 χ^2/NDF:3872468.8/37

Out: 2230.535+/-0.325 χ^2/NDF:4457877.0/41

All: 2225.707+/-0.230 χ^2/NDF: 8330786.7/79


eigen_dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: 273.582+/-132.536 χ²/NDF: 11.4/15
Left Out: -263.140+/-67.944 χ²/NDF:31.7/22
Right Out: 102.368+/-133.606 χ²/NDF: 21.3/18
Left In: -153.148+/-68.710 χ²/NDF:21.5/21
Left: -208.761+/-48.312 χ²/NDF: 54.5/44
Right: 188.663+/-94.093 χ²/NDF: 33.6/34
In: -62.755+/-61.000 χ²/NDF:41.1/37
Out: -188.038+/-60.562 χ²/NDF:58.9/41
All: -125.847+/-42.978 χ²/NDF: 102.2/79

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 289.578+/-0.048 χ^2/NDF:278937.0/22

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 289.870+/-0.049 χ^2/NDF:269536.0/21

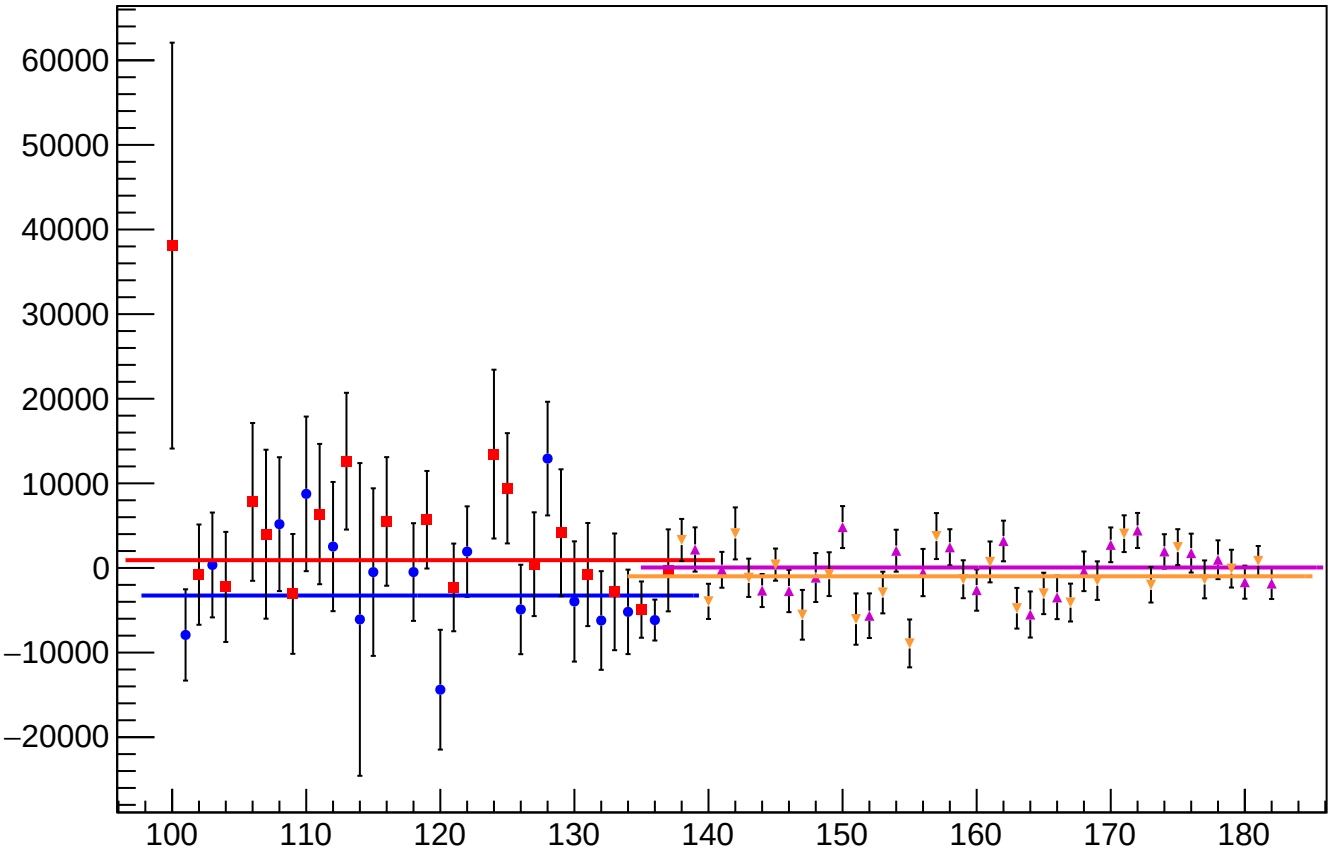
Left: 289.722+/-0.034 χ^2/NDF: 548491.1/44

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 301.856+/-0.043 χ^2/NDF:1325603.9/37

Out: 302.646+/-0.043 χ^2/NDF:1505357.1/41

All: 302.254+/-0.030 χ^2/NDF: 2831130.0/79



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -985.007+/-484.858 χ^2/NDF:40.1/22

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: 56.142+/-488.655 χ^2/NDF:32.9/21

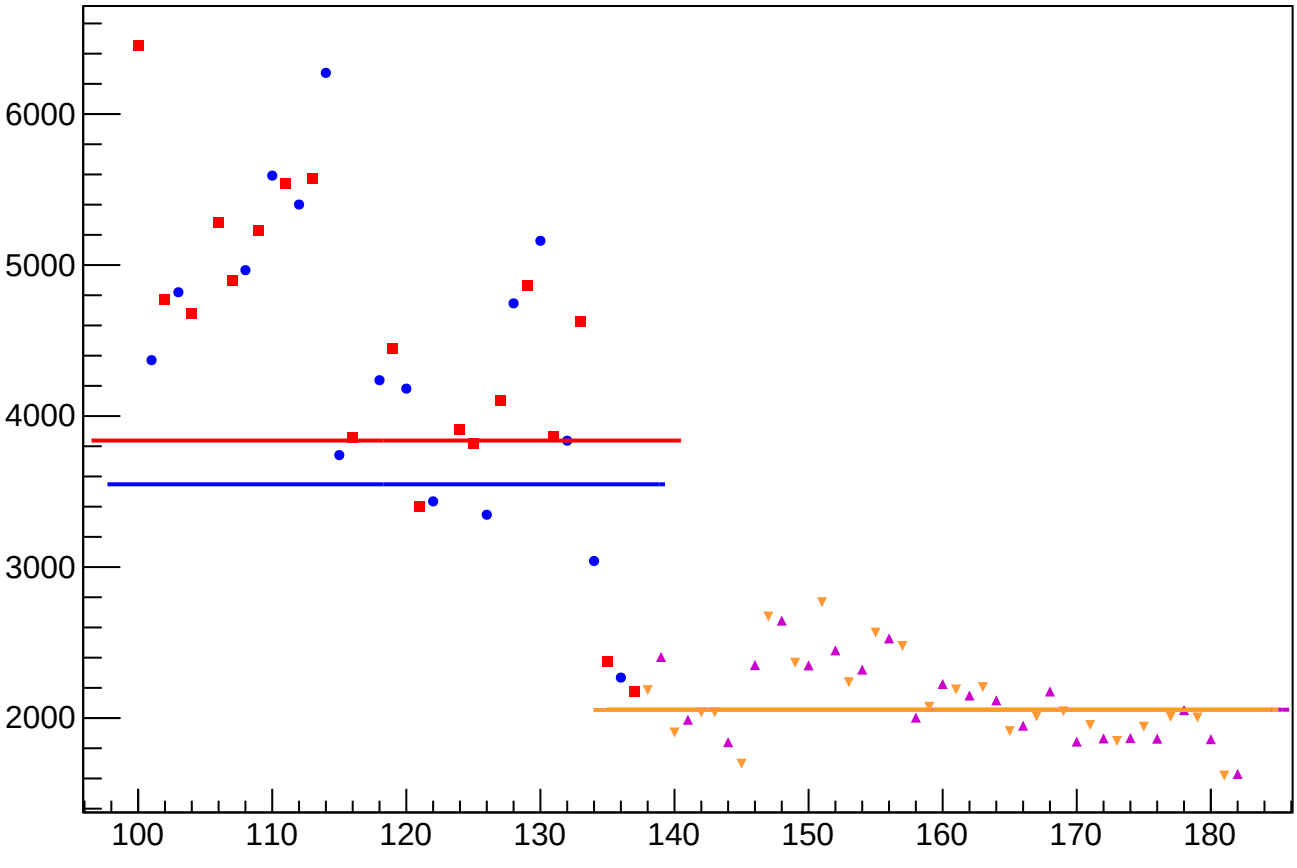
Left: -468.493+/-344.181 χ^2/NDF: 75.3/44

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -311.237+/-460.783 χ^2/NDF:54.0/37

Out: -795.829+/-460.170 χ^2/NDF:56.3/41

All: -553.855+/-325.606 χ^2/NDF: 110.9/79



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2053.433+/-0.343 χ^2/NDF:613298.0/22

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2055.460+/-0.346 χ^2/NDF:546266.6/21

Left: 2054.438+/-0.243 χ^2/NDF: 1159582.0/44

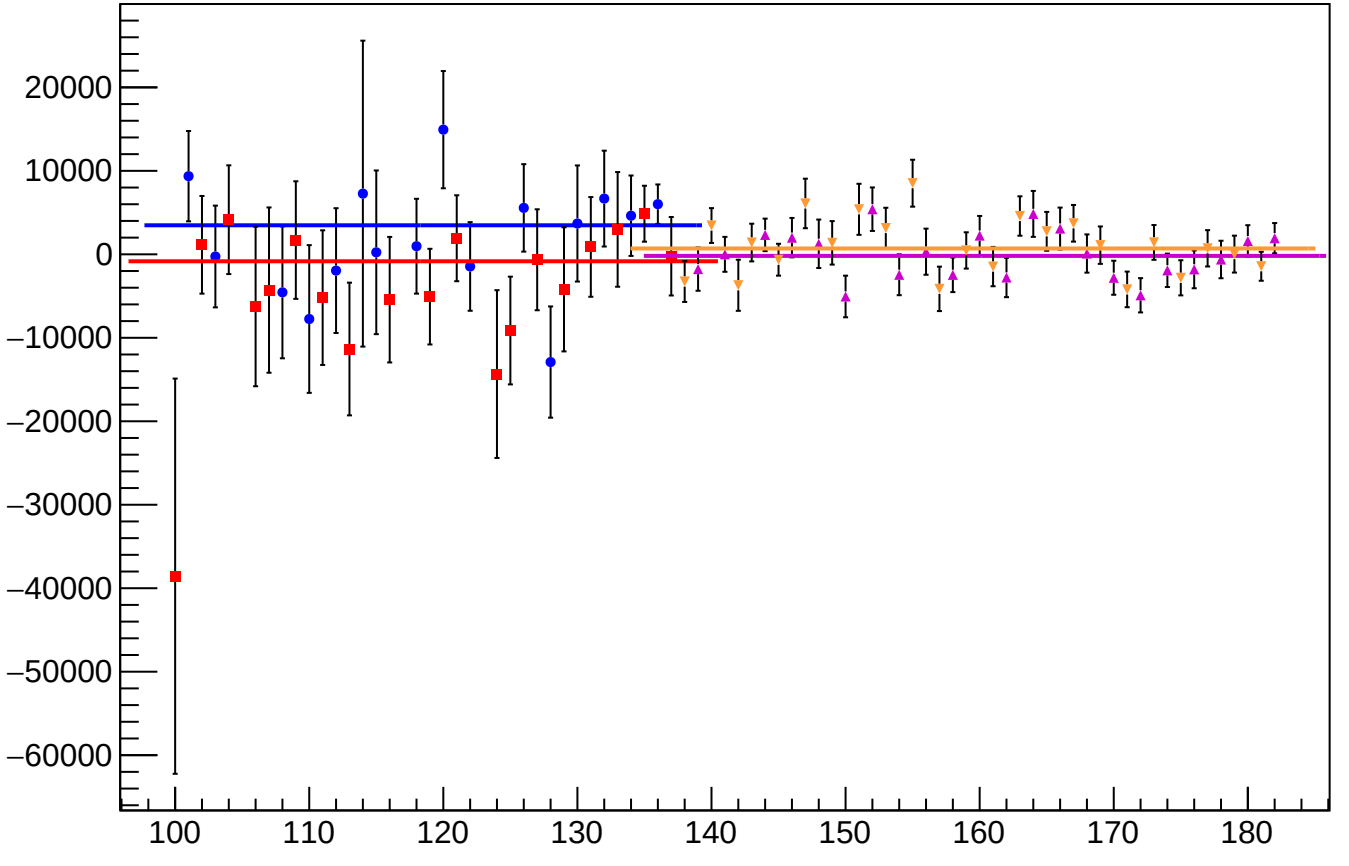
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2220.866+/-0.326 χ^2/NDF:3872457.3/37

Out: 2230.535+/-0.325 χ^2/NDF:4457864.8/41

All: 2225.707+/-0.230 χ^2/NDF: 8330763.1/79

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 701.559+/-478.650 χ^2/NDF:40.9/22

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -186.719+/-480.949 χ^2/NDF:31.5/21

Left: 259.548+/-339.267 χ^2/NDF: 74.0/44

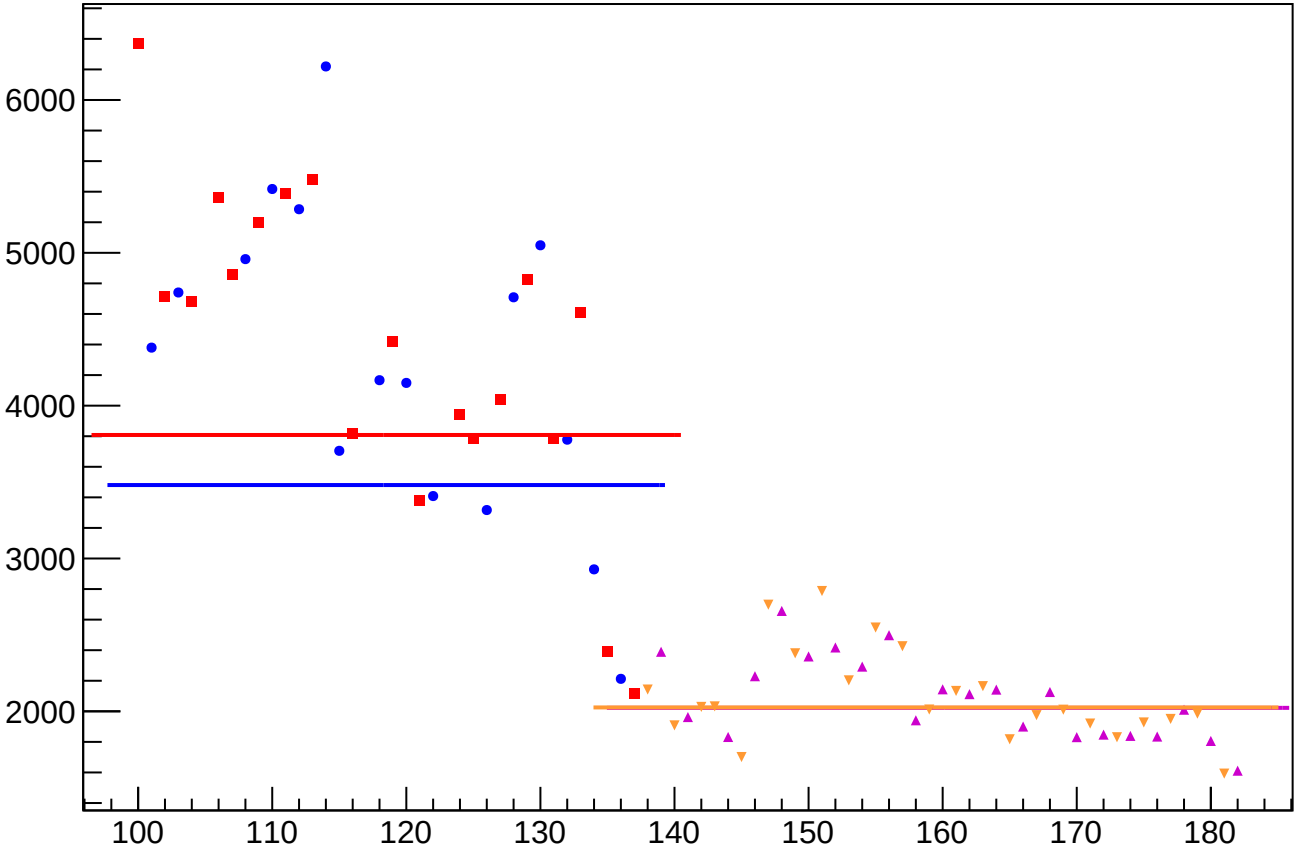
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 220.500+/-453.444 χ^2/NDF:54.2/37

Out: 550.747+/-454.515 χ^2/NDF:55.9/41

All: 385.234+/-321.011 χ^2/NDF: 110.4/79

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2025.399+/-0.338 χ^2/NDF:640212.0/22

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2022.686+/-0.340 χ^2/NDF:553126.8/21

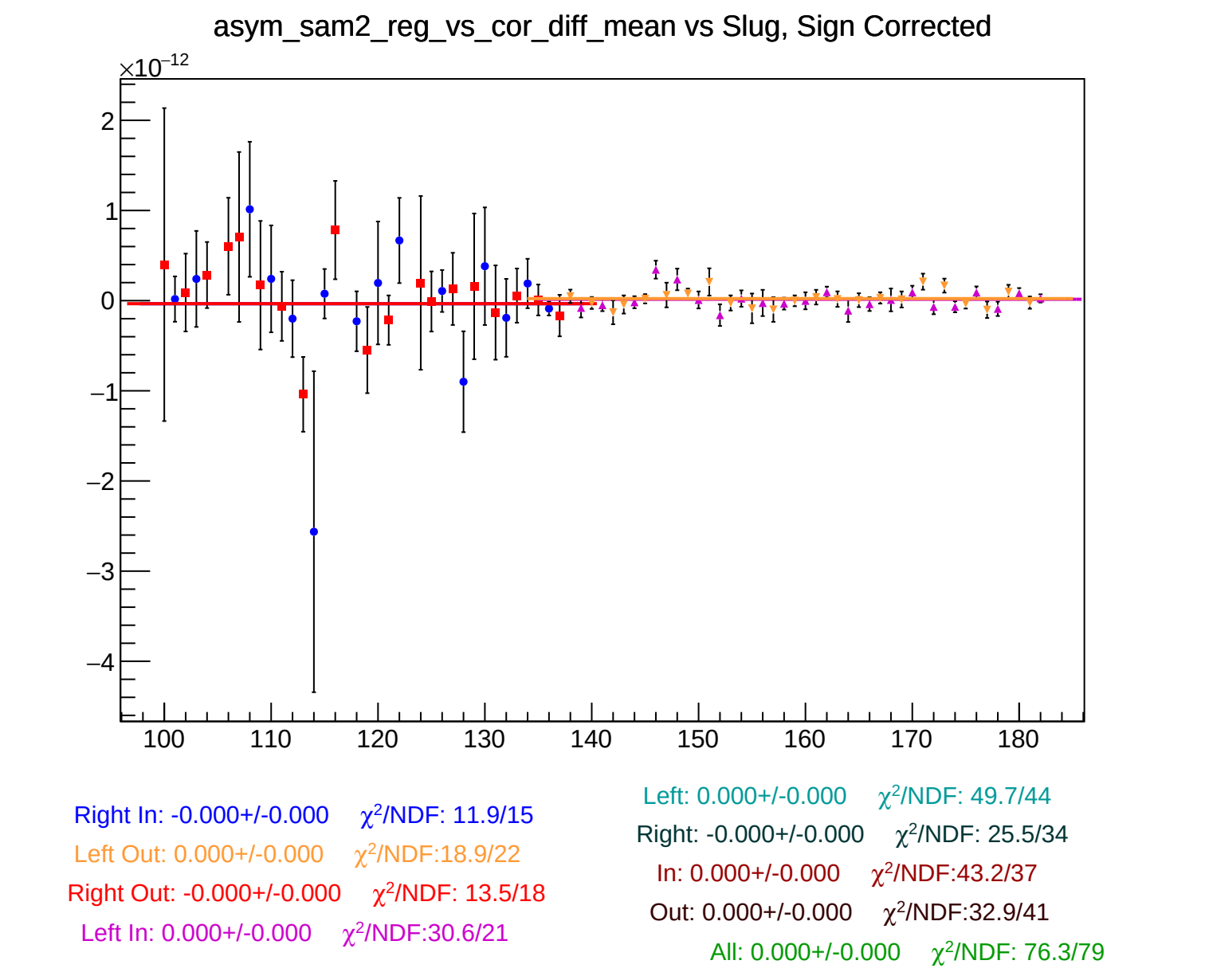
Left: 2024.049+/-0.240 χ^2/NDF: 1193370.8/44

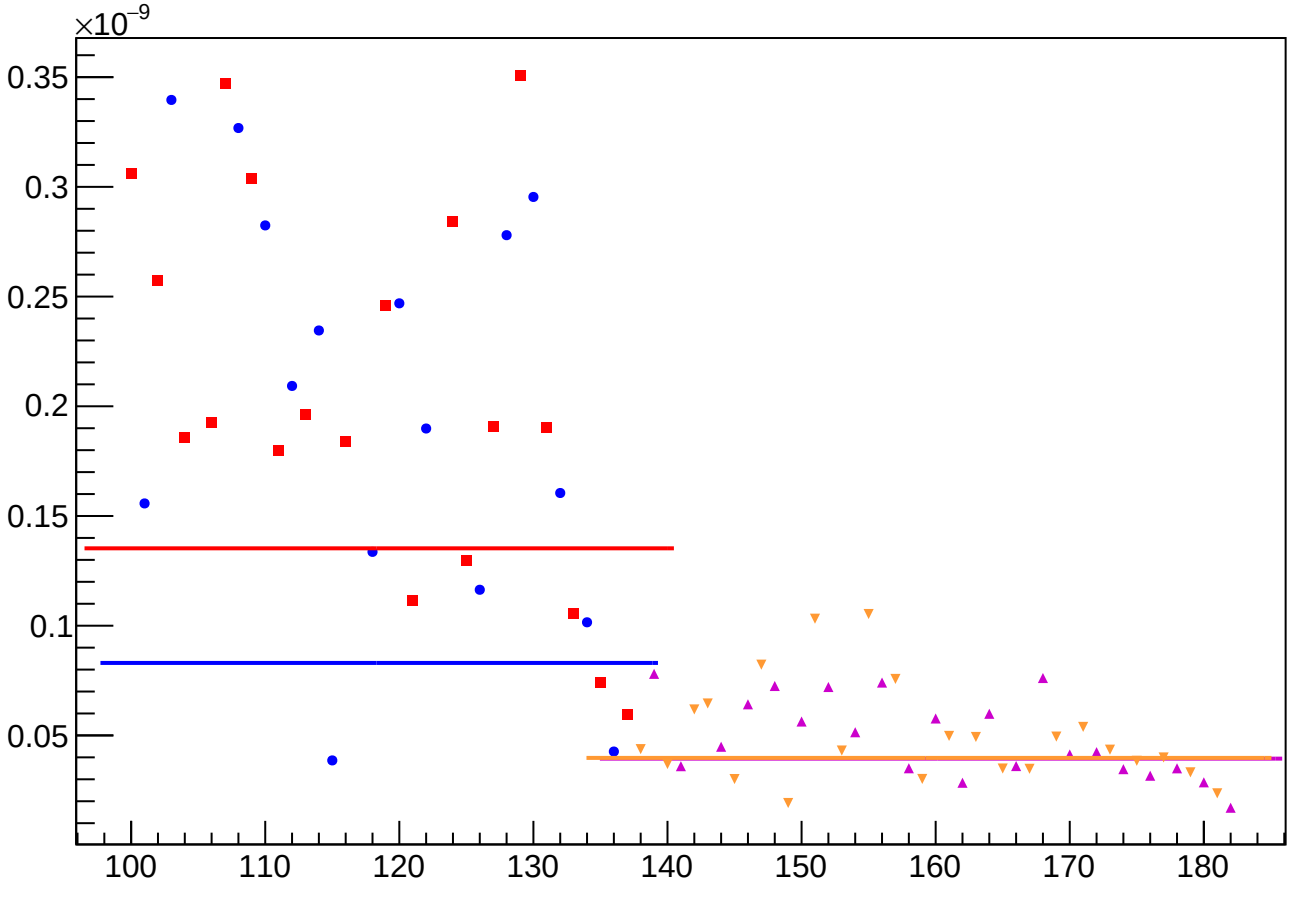
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2184.667+/-0.321 χ^2/NDF:3891570.0/37

Out: 2200.651+/-0.321 χ^2/NDF:4515160.8/41

All: 2192.640+/-0.227 χ^2/NDF: 8407970.5/79


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:18.9/22
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:30.6/21
Left: 0.000+/-0.000 χ²/NDF: 49.7/44
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:43.2/37
Out: 0.000+/-0.000 χ²/NDF:32.9/41
All: 0.000+/-0.000 χ²/NDF: 76.3/79



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1866626.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1896989.0/21

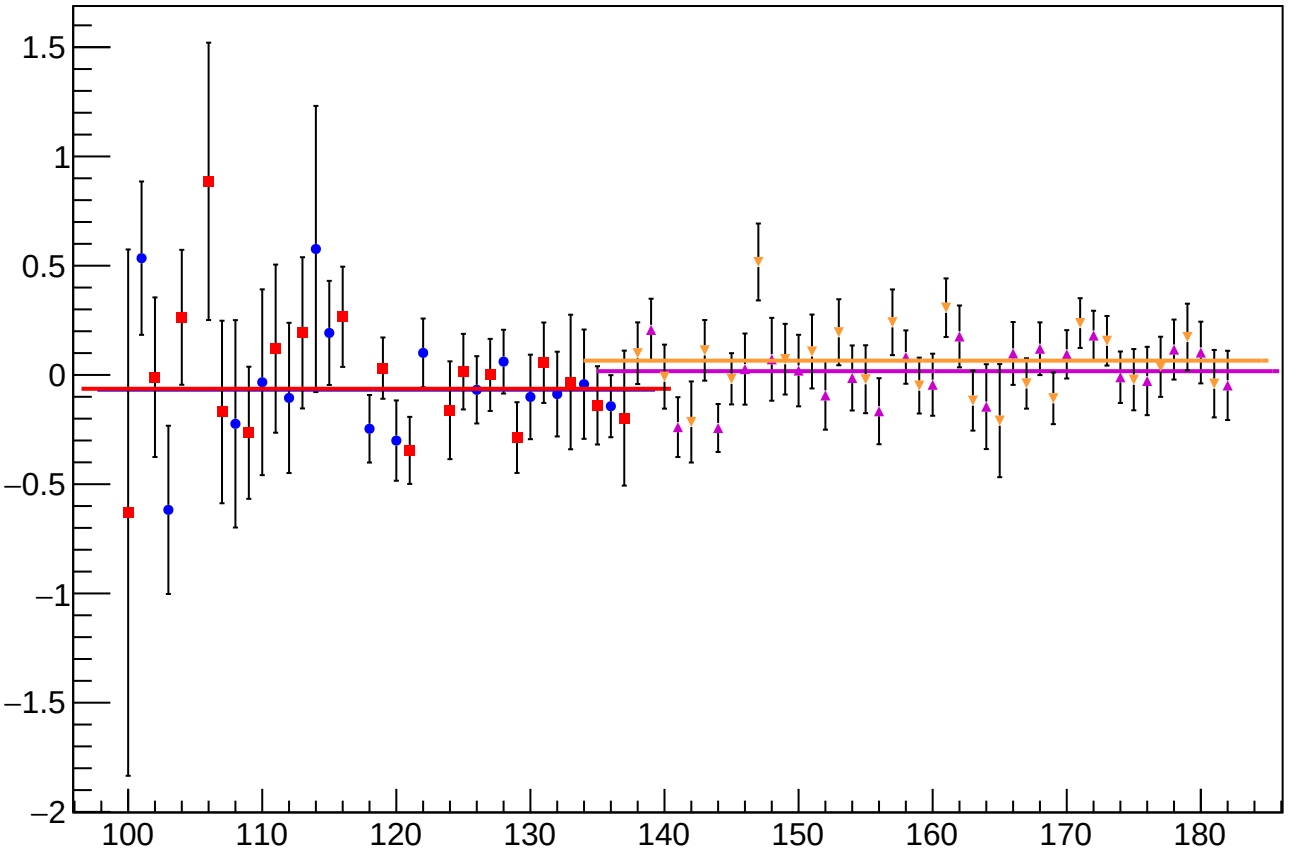
Left: 0.000+/-0.000 χ^2/NDF: 3764037.8/44

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:5564819.5/37

Out: 0.000+/-0.000 χ^2/NDF:5714612.6/41

All: 0.000+/-0.000 χ^2/NDF: 11281350.1/79



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.029 χ^2/NDF:26.5/22

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.017+/-0.030 χ^2/NDF:20.2/21

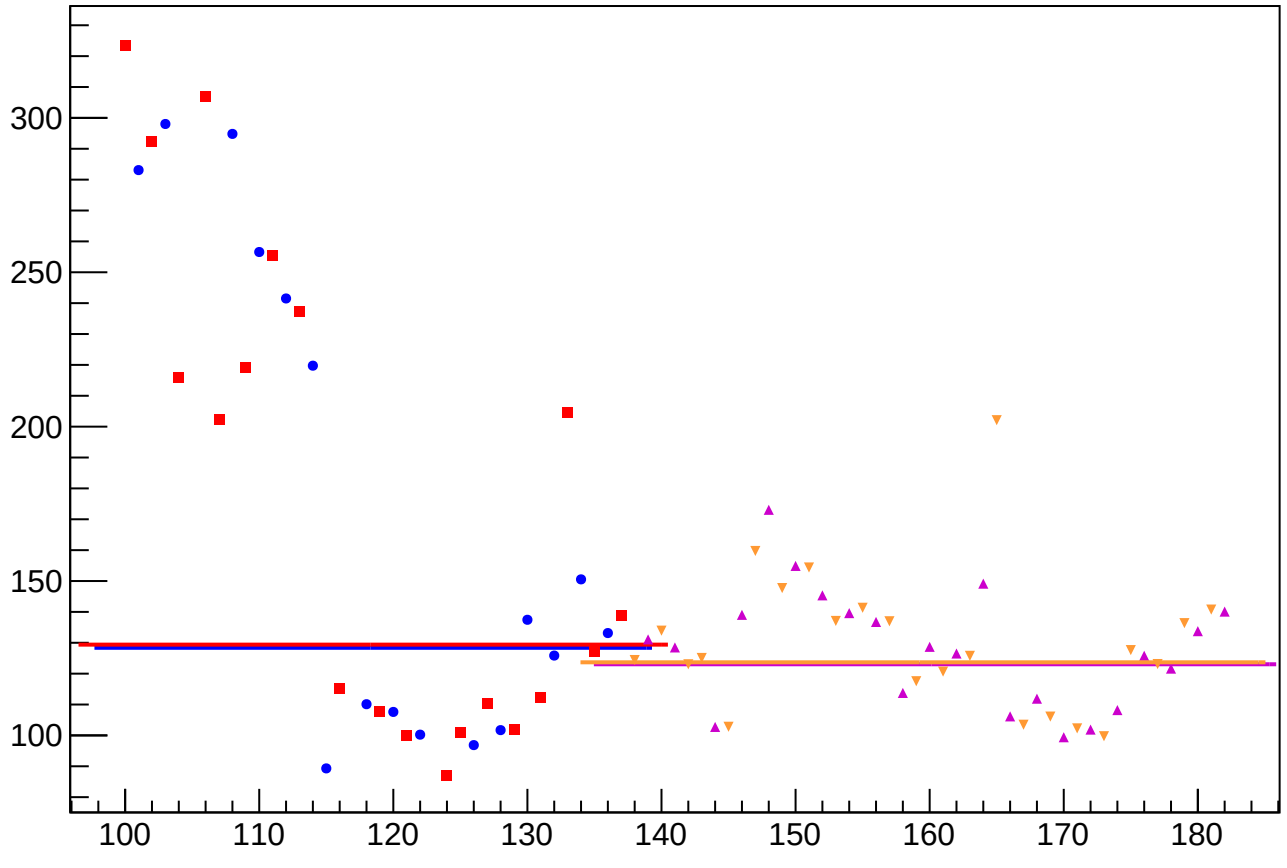
Left: 0.042+/-0.021 χ^2/NDF: 48.0/44

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.004+/-0.026 χ^2/NDF:34.6/37

Out: 0.034+/-0.026 χ^2/NDF:45.2/41

All: 0.015+/-0.018 χ^2/NDF: 80.9/79



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 123.676+/-0.021 χ^2/NDF:819700.3/22

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 123.039+/-0.021 χ^2/NDF:718746.3/21

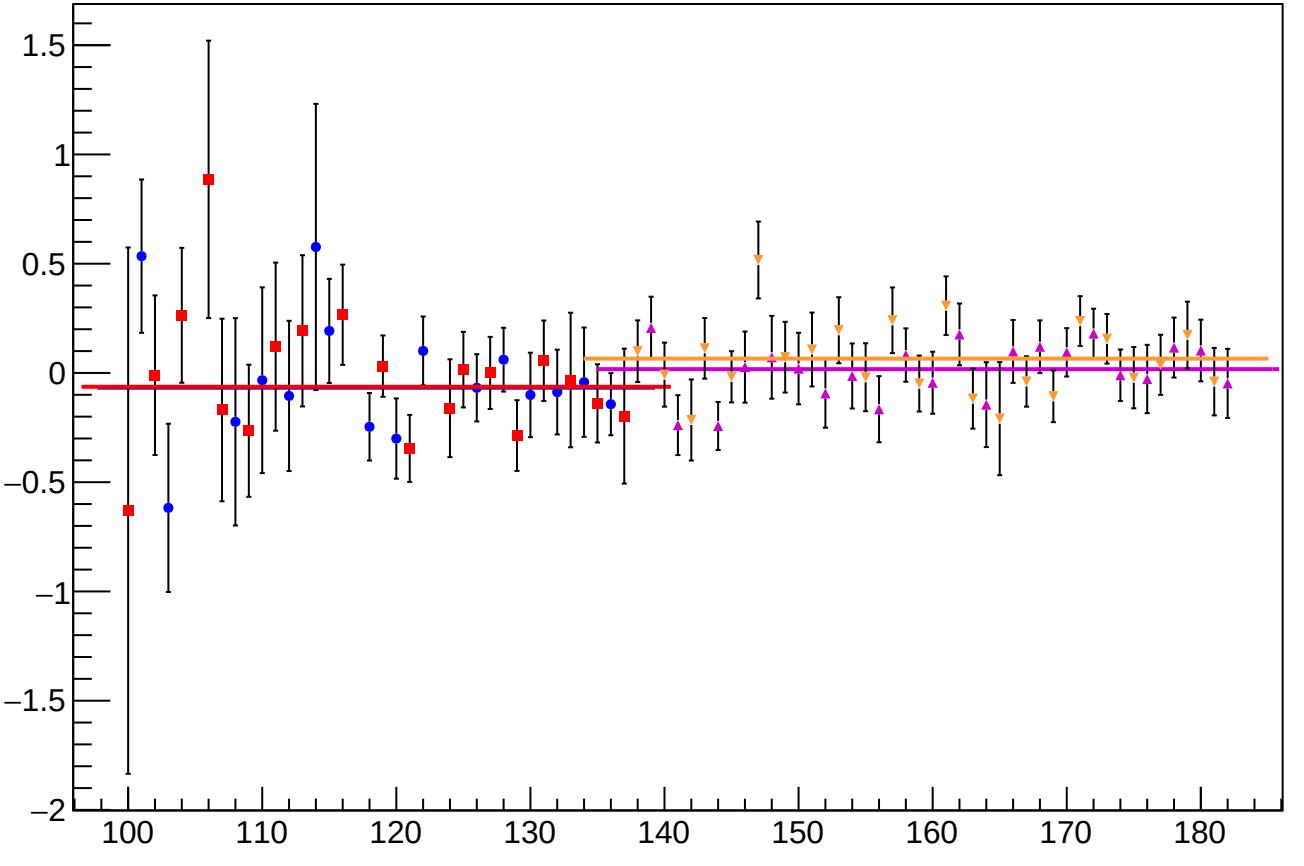
Left: 123.360+/-0.015 χ^2/NDF: 1538914.0/44

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 124.353+/-0.018 χ^2/NDF:2539874.9/37

Out: 125.074+/-0.018 χ^2/NDF:2726548.3/41

All: 124.716+/-0.013 χ^2/NDF: 5267217.8/79



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.029 χ^2/NDF:26.5/22

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.017+/-0.030 χ^2/NDF:20.2/21

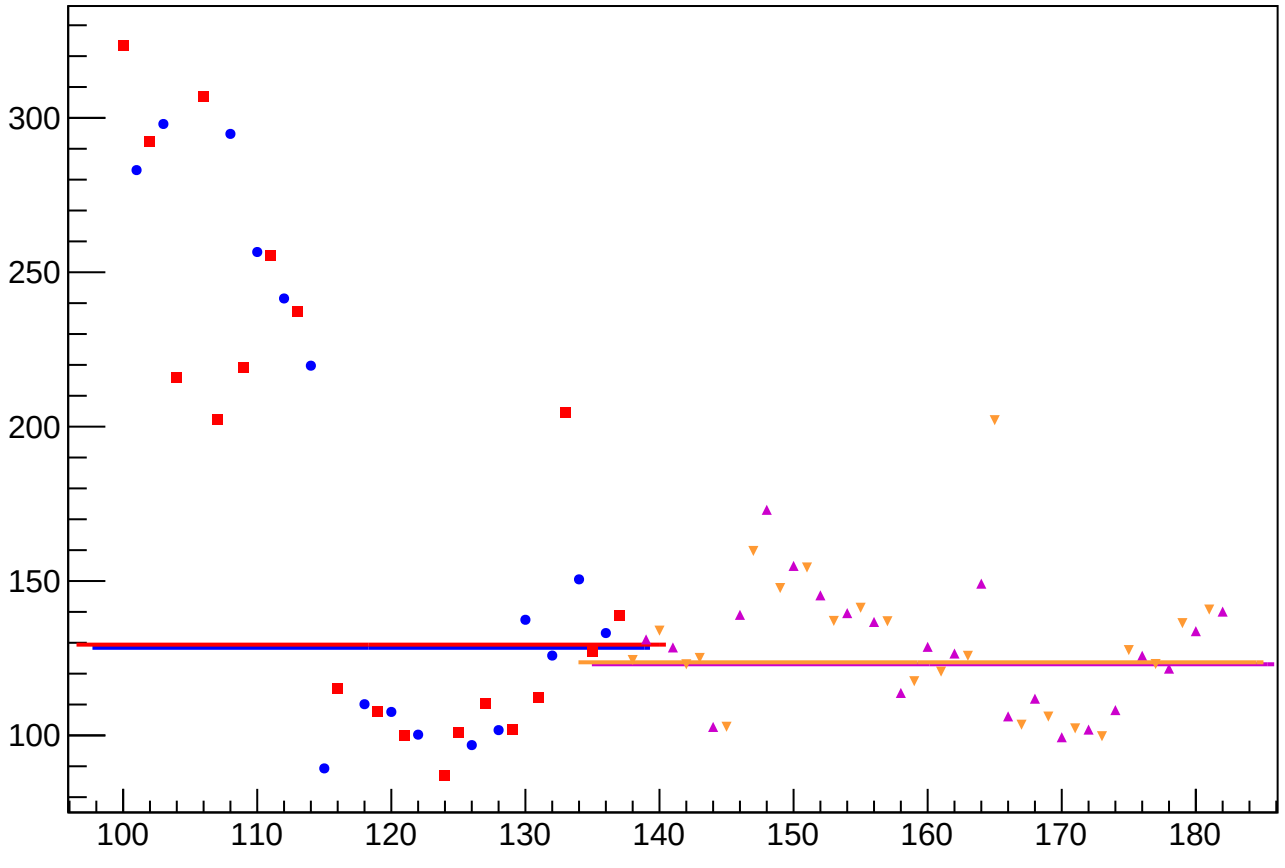
Left: 0.042+/-0.021 χ^2/NDF: 48.0/44

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.004+/-0.026 χ^2/NDF:34.6/37

Out: 0.034+/-0.026 χ^2/NDF:45.2/41

All: 0.015+/-0.018 χ^2/NDF: 80.9/79



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 123.676+/-0.021 χ^2/NDF:819700.3/22

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 123.039+/-0.021 χ^2/NDF:718746.3/21

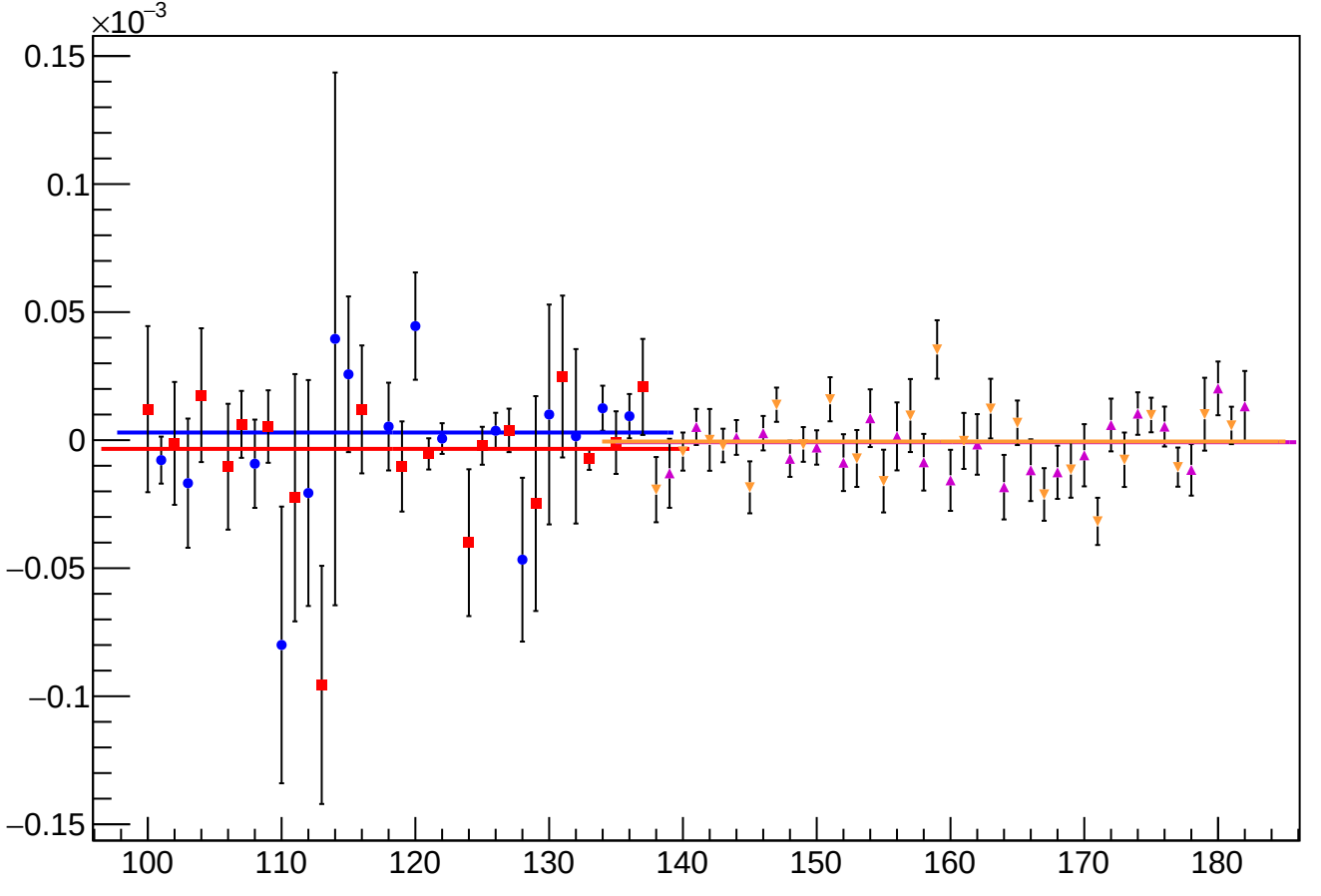
Left: 123.360+/-0.015 χ^2/NDF: 1538914.0/44

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 124.353+/-0.018 χ^2/NDF:2539874.9/37

Out: 125.074+/-0.018 χ^2/NDF:2726548.3/41

All: 124.716+/-0.013 χ^2/NDF: 5267217.8/79



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.5/22

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

Left In: -0.000+/-0.000 χ^2/NDF:19.4/21

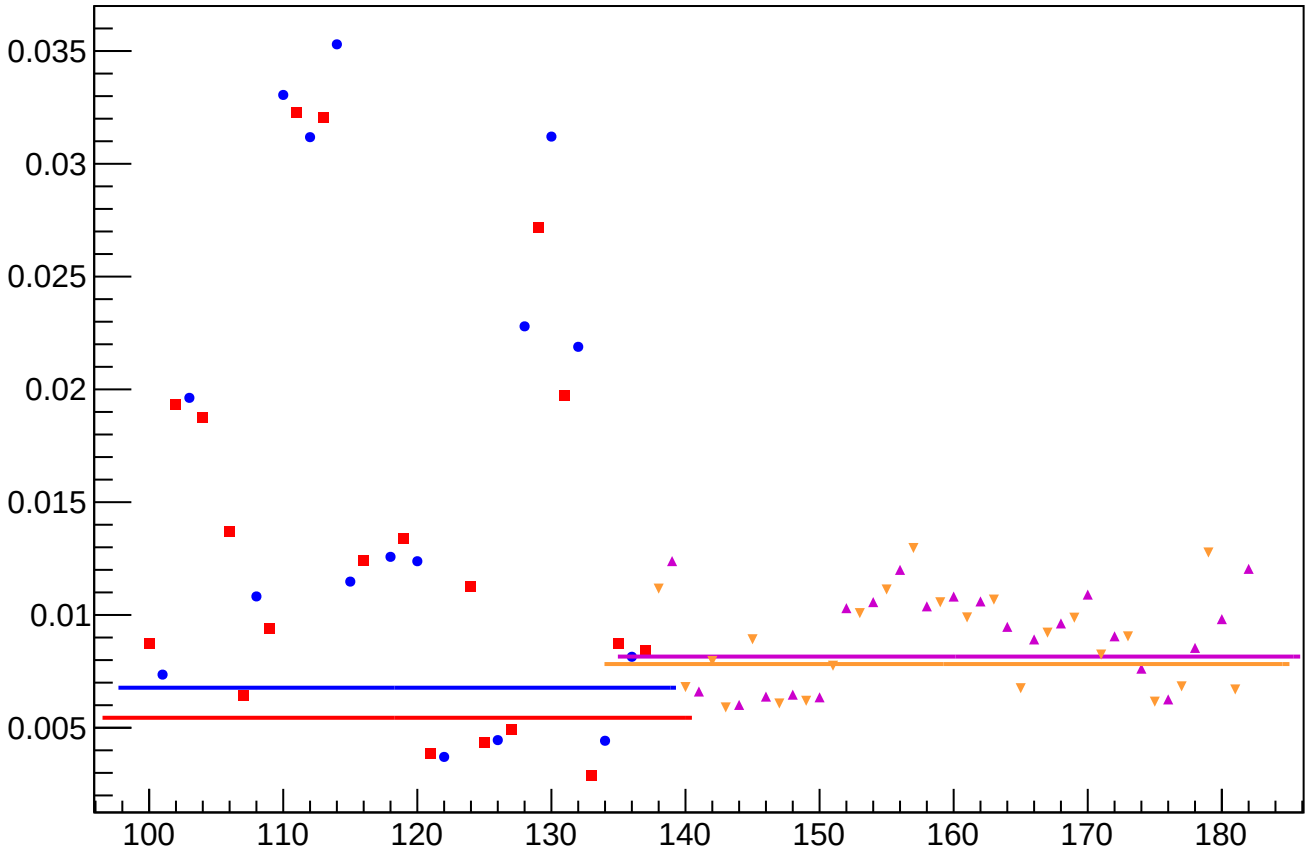
Left: -0.000+/-0.000 χ^2/NDF: 69.9/44

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:34.5/37

Out: -0.000+/-0.000 χ^2/NDF:63.9/41

All: -0.000+/-0.000 χ^2/NDF: 99.1/79



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:2031058.8/22

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:2017675.5/21

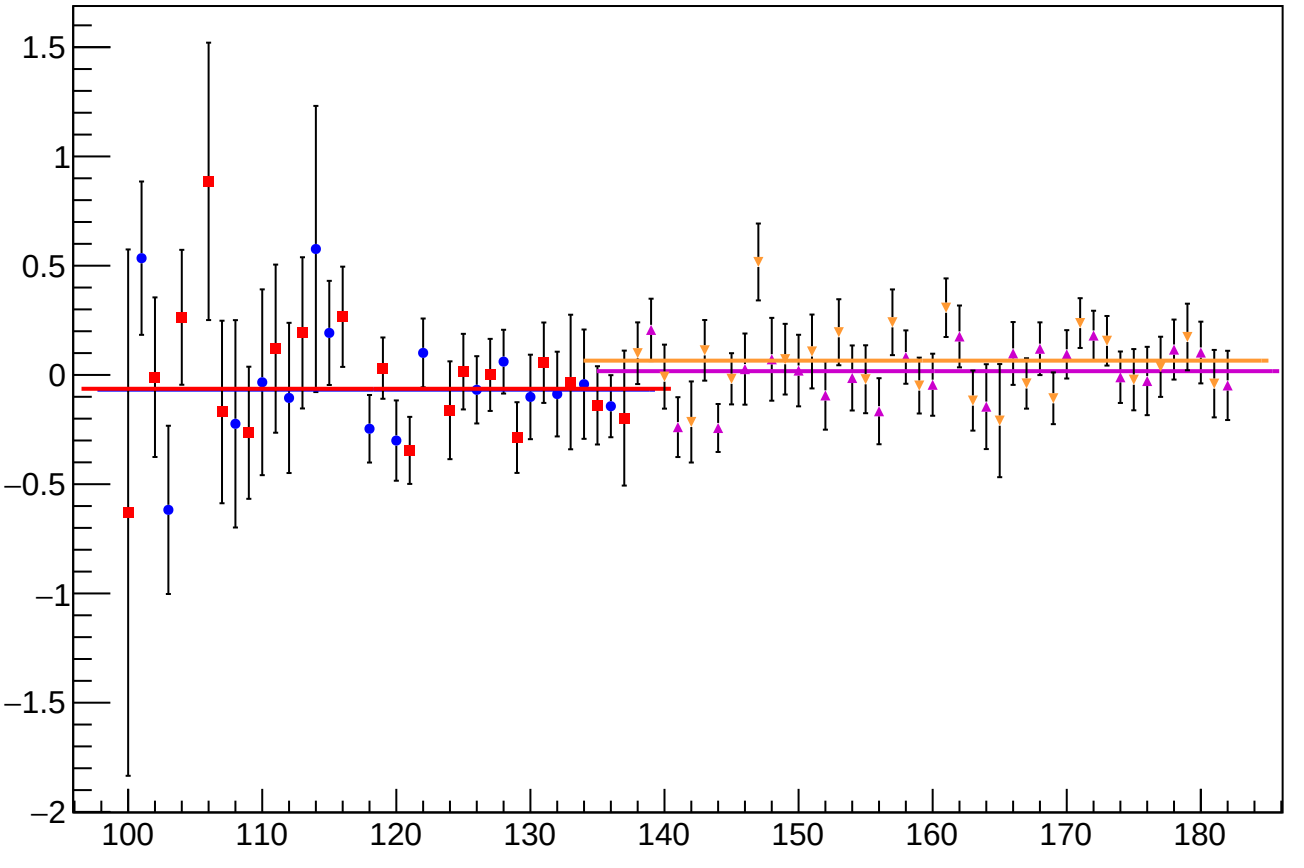
Left: 0.008+/-0.000 χ^2/NDF: 4077658.3/44

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.008+/-0.000 χ^2/NDF:7064504.0/37

Out: 0.007+/-0.000 χ^2/NDF:8702981.6/41

All: 0.007+/-0.000 χ^2/NDF: 15990016.3/79



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.029 χ^2/NDF:26.5/22

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.017+/-0.030 χ^2/NDF:20.2/21

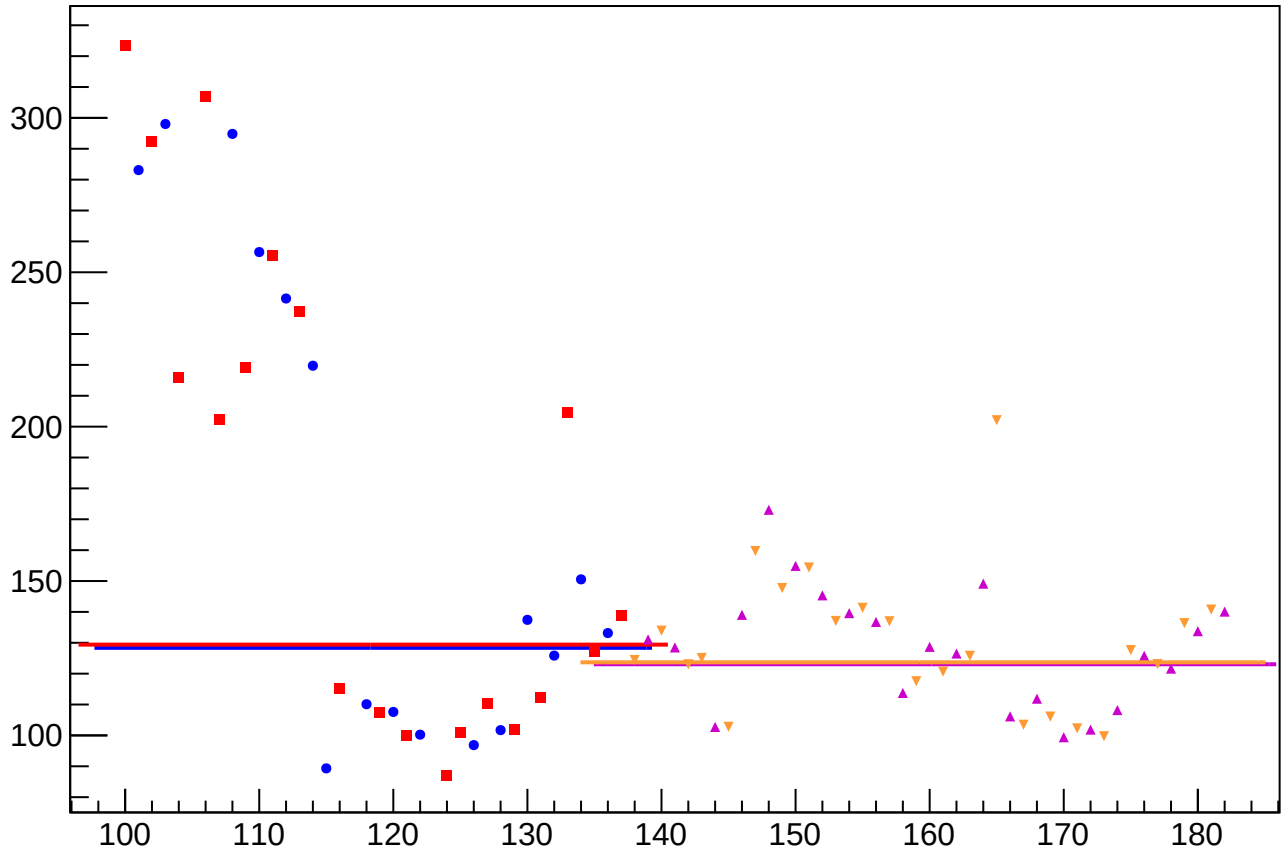
Left: 0.042+/-0.021 χ^2/NDF: 48.0/44

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.004+/-0.026 χ^2/NDF:34.6/37

Out: 0.034+/-0.026 χ^2/NDF:45.2/41

All: 0.015+/-0.018 χ^2/NDF: 80.9/79



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 123.676+/-0.021 χ^2/NDF:819751.6/22

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 123.039+/-0.021 χ^2/NDF:718769.6/21

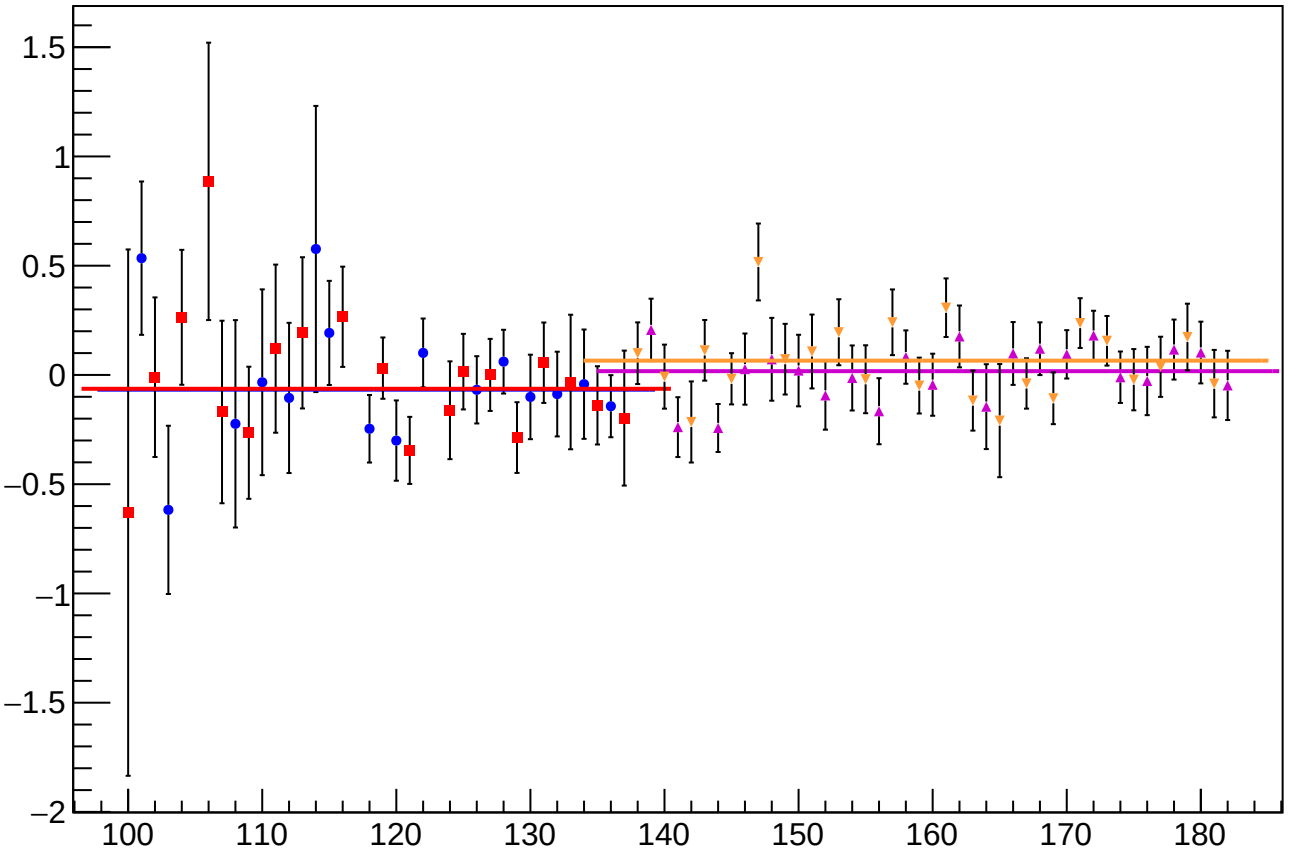
Left: 123.359+/-0.015 χ^2/NDF: 1538988.8/44

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 124.352+/-0.018 χ^2/NDF:2539830.3/37

Out: 125.074+/-0.018 χ^2/NDF:2726581.9/41

All: 124.715+/-0.013 χ^2/NDF: 5267206.9/79



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.029 χ^2/NDF:26.5/22

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.017+/-0.030 χ^2/NDF:20.2/21

Left: 0.042+/-0.021 χ^2/NDF: 48.0/44

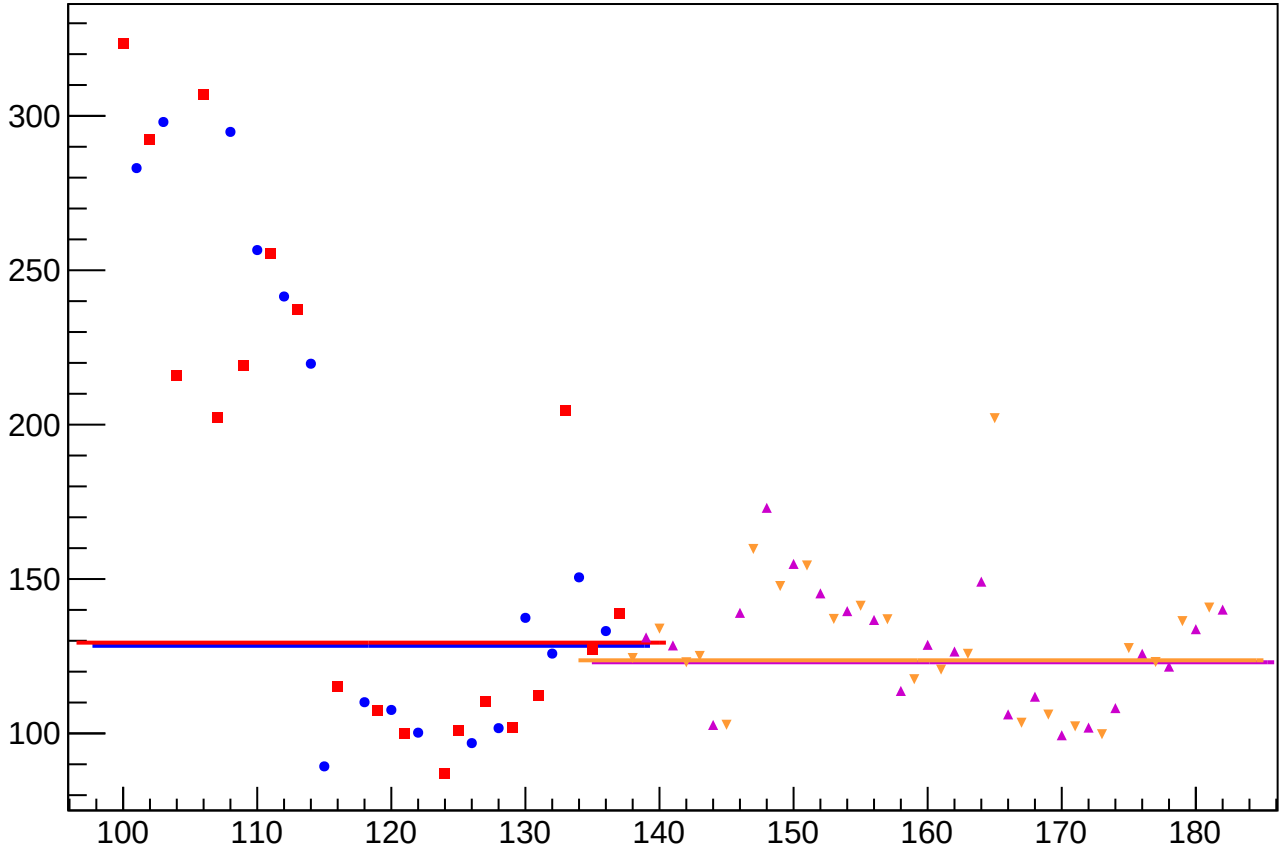
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.004+/-0.026 χ^2/NDF:34.6/37

Out: 0.034+/-0.026 χ^2/NDF:45.2/41

All: 0.015+/-0.018 χ^2/NDF: 80.9/79

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: 123.676+/-0.021 χ^2/NDF:819751.6/22

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 123.039+/-0.021 χ^2/NDF:718769.6/21

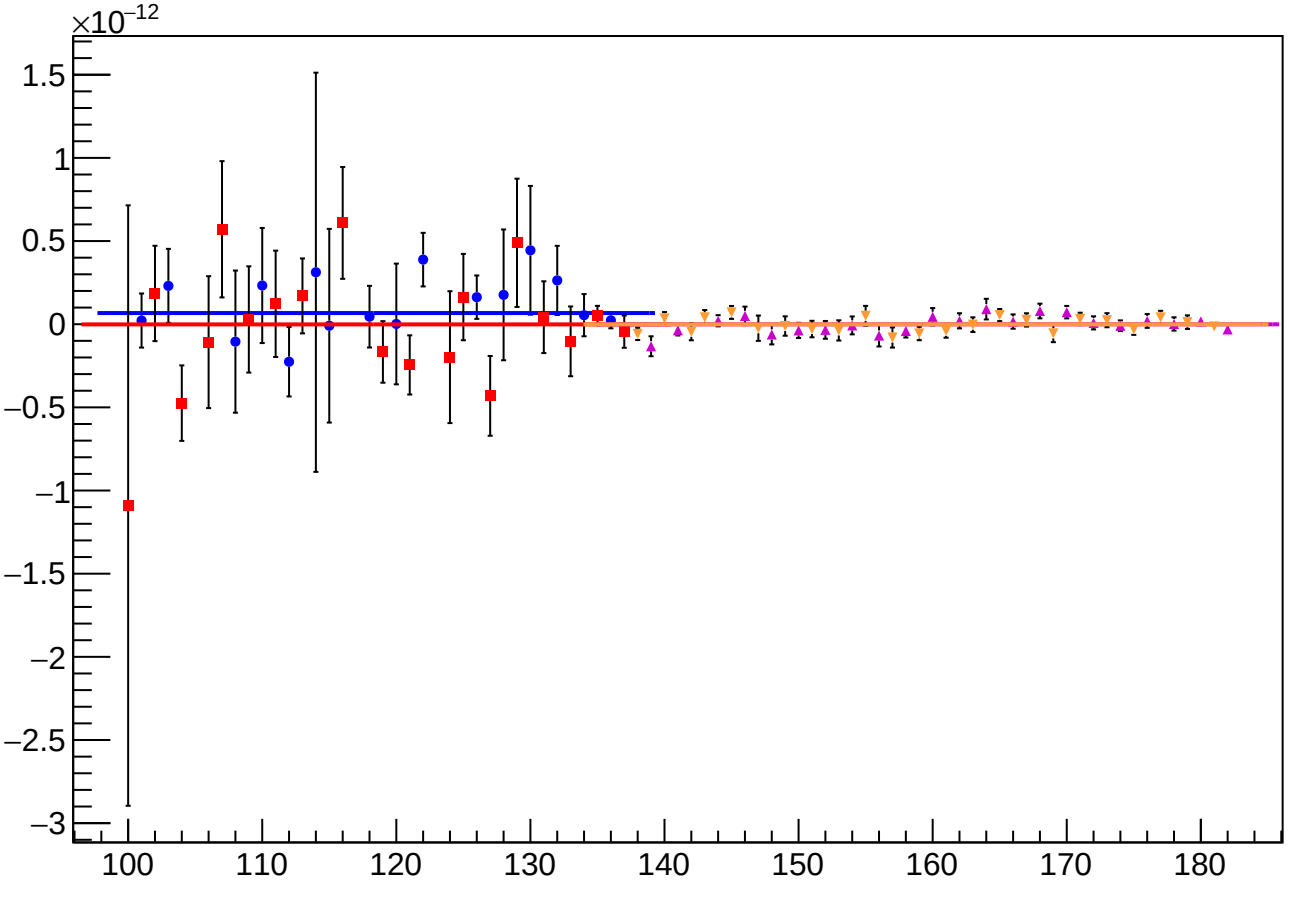
Left: 123.359+/-0.015 χ^2/NDF: 1538988.8/44

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 124.352+/-0.018 χ^2/NDF:2539830.3/37

Out: 125.074+/-0.018 χ^2/NDF:2726581.9/41

All: 124.715+/-0.013 χ^2/NDF: 5267206.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.6/22

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:24.5/21

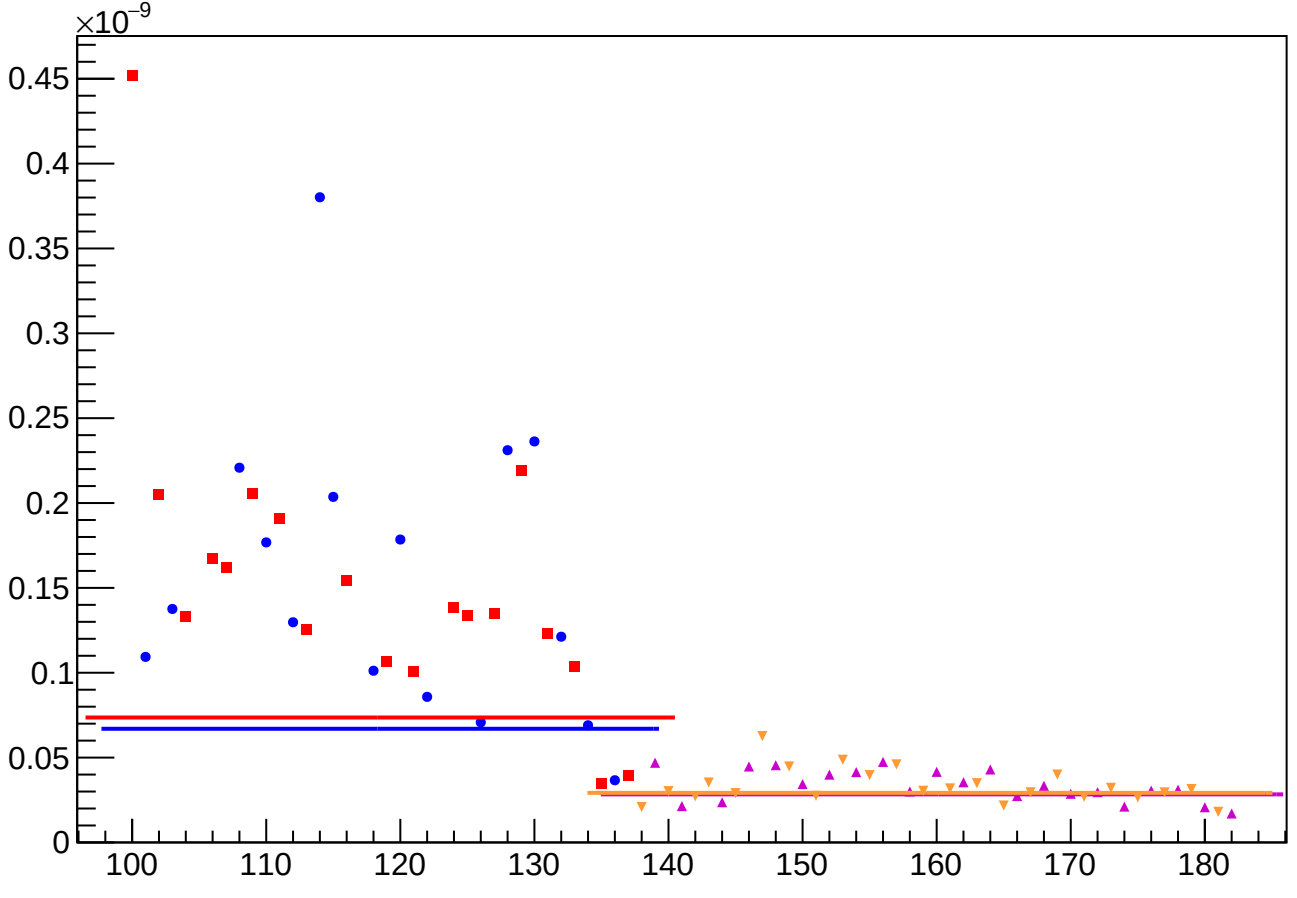
Left: -0.000+/-0.000 χ^2/NDF: 46.1/44

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:38.2/37

Out: -0.000+/-0.000 χ^2/NDF:42.3/41

All: 0.000+/-0.000 χ^2/NDF: 80.5/79



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1832702.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2179691.7/21

Left: 0.000+/-0.000 χ^2/NDF: 4023473.9/44

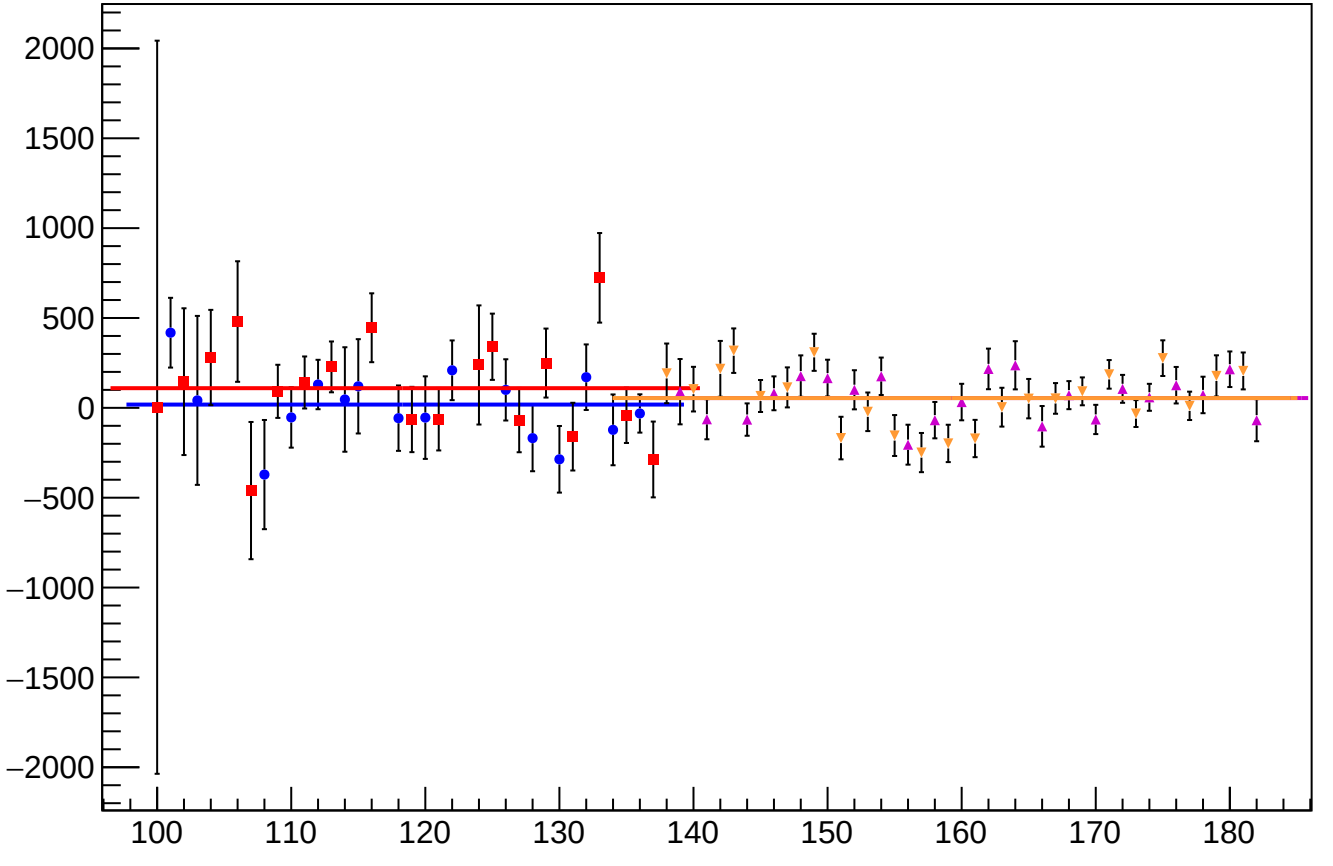
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:7532051.3/37

Out: 0.000+/-0.000 χ^2/NDF:7911911.1/41

All: 0.000+/-0.000 χ^2/NDF: 15455609.6/79

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 54.395+/-21.060 χ^2/NDF:51.7/22

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 54.430+/-21.278 χ^2/NDF:26.5/21

Left: 54.412+/-14.968 χ^2/NDF: 78.3/44

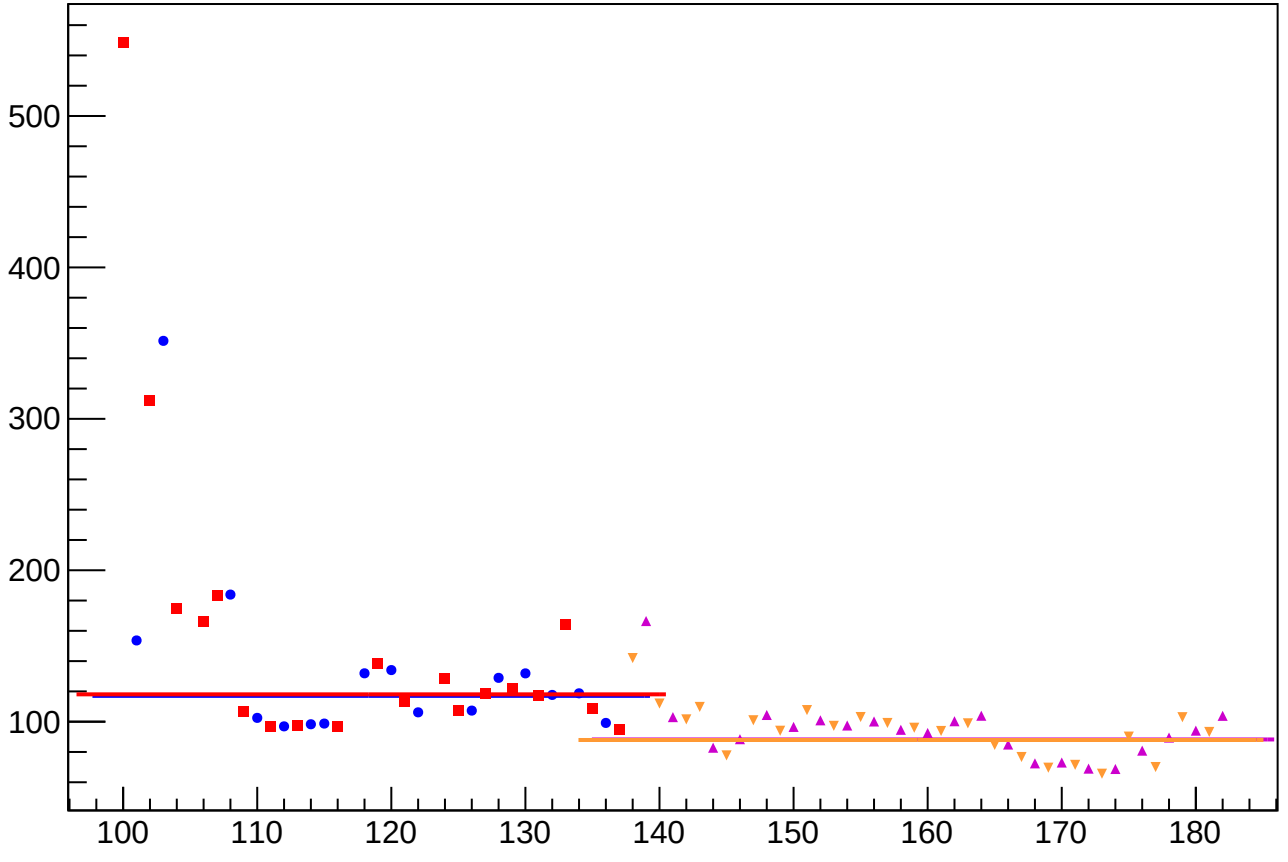
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 47.977+/-19.290 χ^2/NDF:40.9/37

Out: 63.993+/-19.136 χ^2/NDF:78.4/41

All: 56.049+/-13.585 χ^2/NDF: 119.7/79

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 87.915+/-0.015 χ^2/NDF:1145628.2/22

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 88.261+/-0.015 χ^2/NDF:1056736.6/21

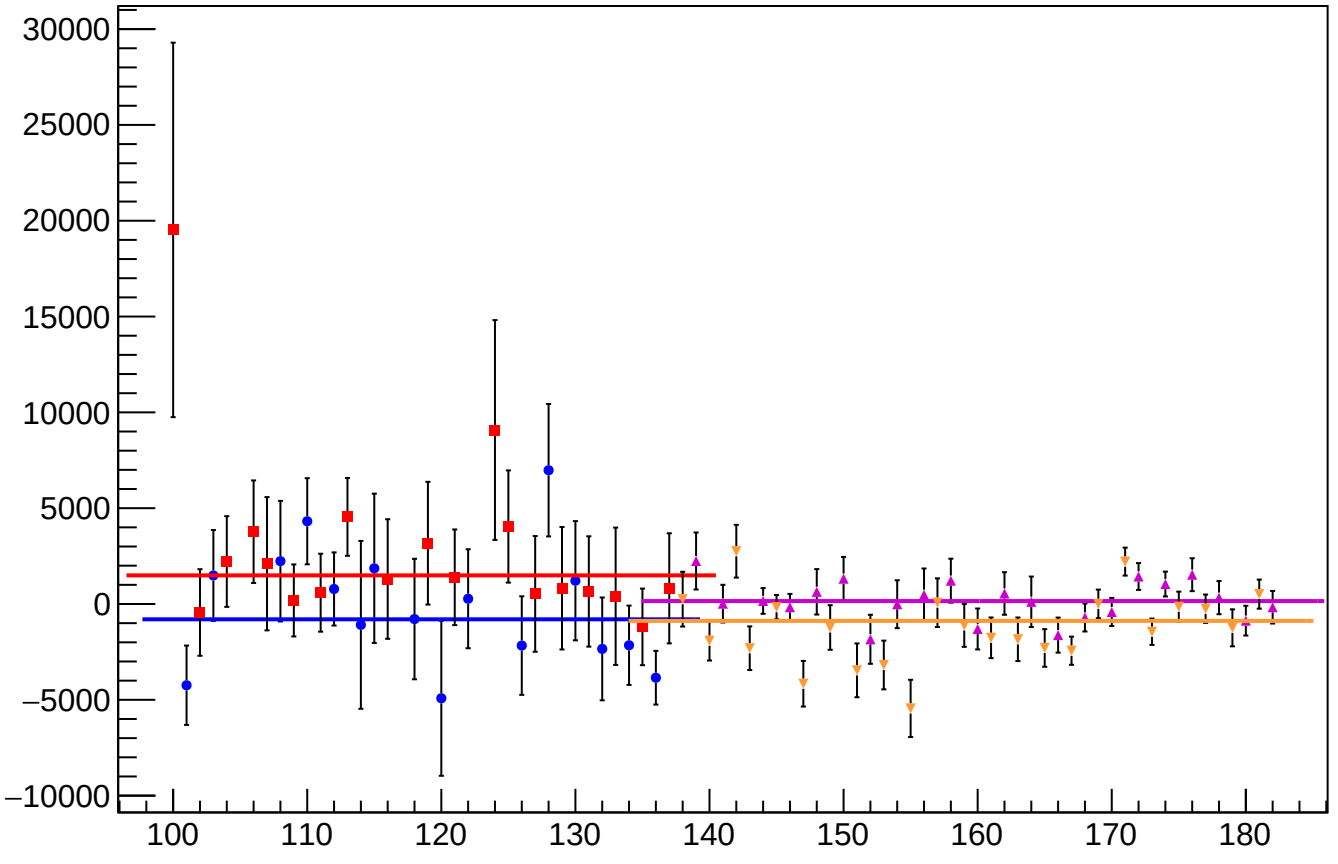
Left: 88.086+/-0.011 χ^2/NDF: 2202632.1/44

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 93.392+/-0.014 χ^2/NDF:2567891.0/37

Out: 93.171+/-0.014 χ^2/NDF:2850819.0/41

All: 93.281+/-0.010 χ^2/NDF: 5418841.3/79



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -882.117+/-195.251 χ^2/NDF:68.9/22

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 153.168+/-191.819 χ^2/NDF:24.3/21

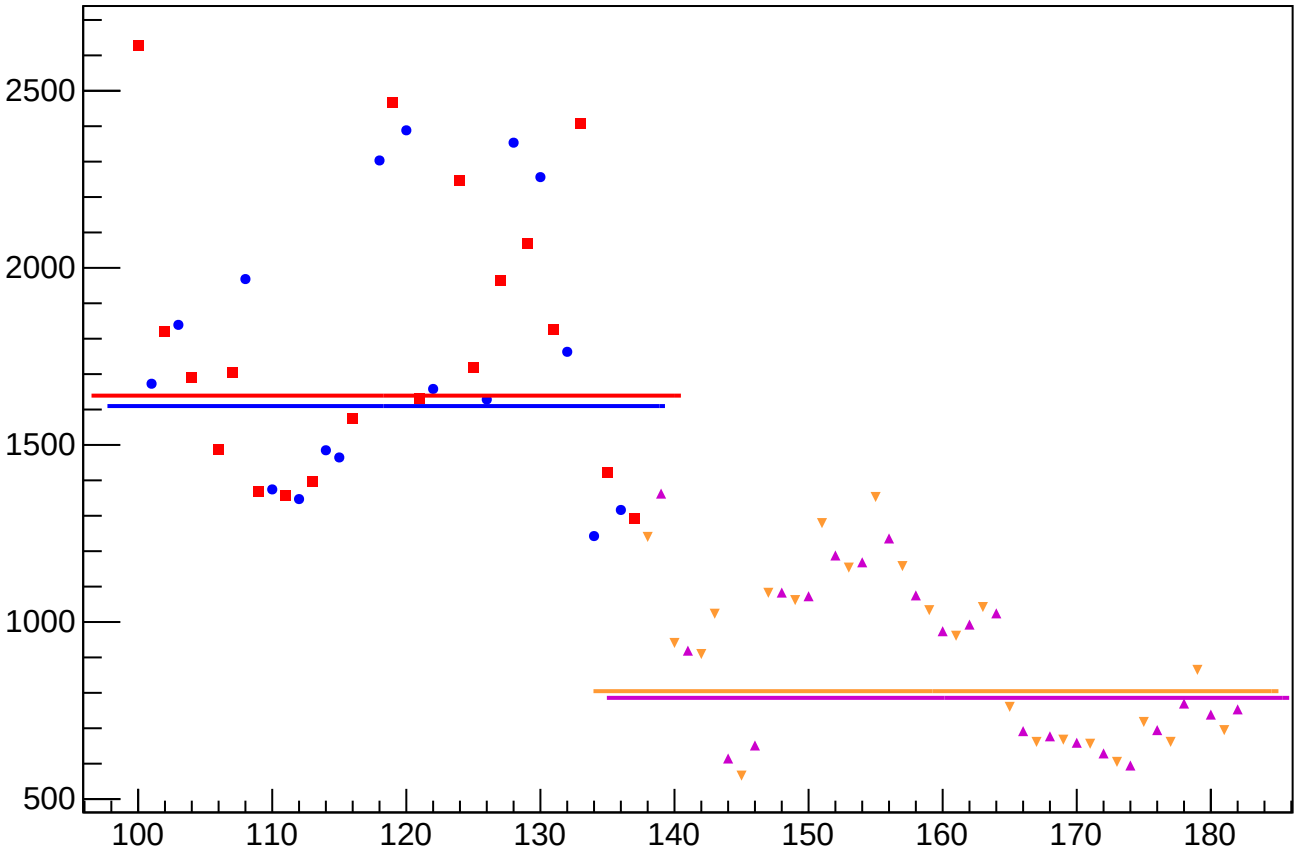
Left: -355.296+/-136.834 χ^2/NDF: 107.5/44

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: 68.991+/-183.145 χ^2/NDF:49.9/37

Out: -663.329+/-186.044 χ^2/NDF:95.4/41

All: -291.418+/-130.516 χ^2/NDF: 153.2/79



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 804.714+/-0.138 χ^2/NDF:2359833.5/22

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 785.834+/-0.136 χ^2/NDF:2155734.5/21

Left: 795.107+/-0.097 χ^2/NDF: 4525084.0/44

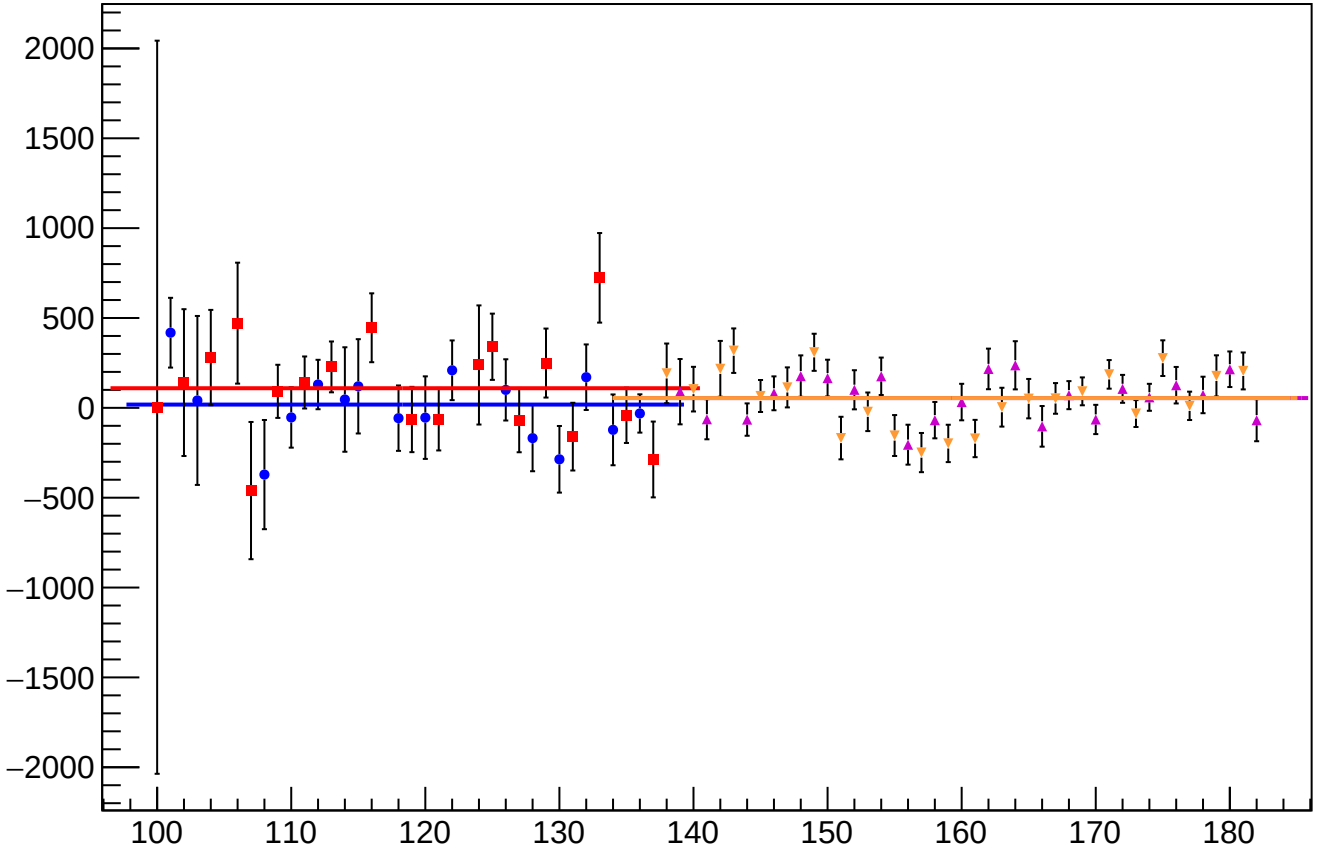
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 858.665+/-0.130 χ^2/NDF:6036701.4/37

Out: 881.559+/-0.132 χ^2/NDF:6244345.8/41

All: 869.933+/-0.092 χ^2/NDF: 12296428.2/79

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 54.399+/-21.060 χ^2/NDF:51.7/22

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 54.434+/-21.278 χ^2/NDF:26.5/21

Left: 54.416+/-14.968 χ^2/NDF: 78.3/44

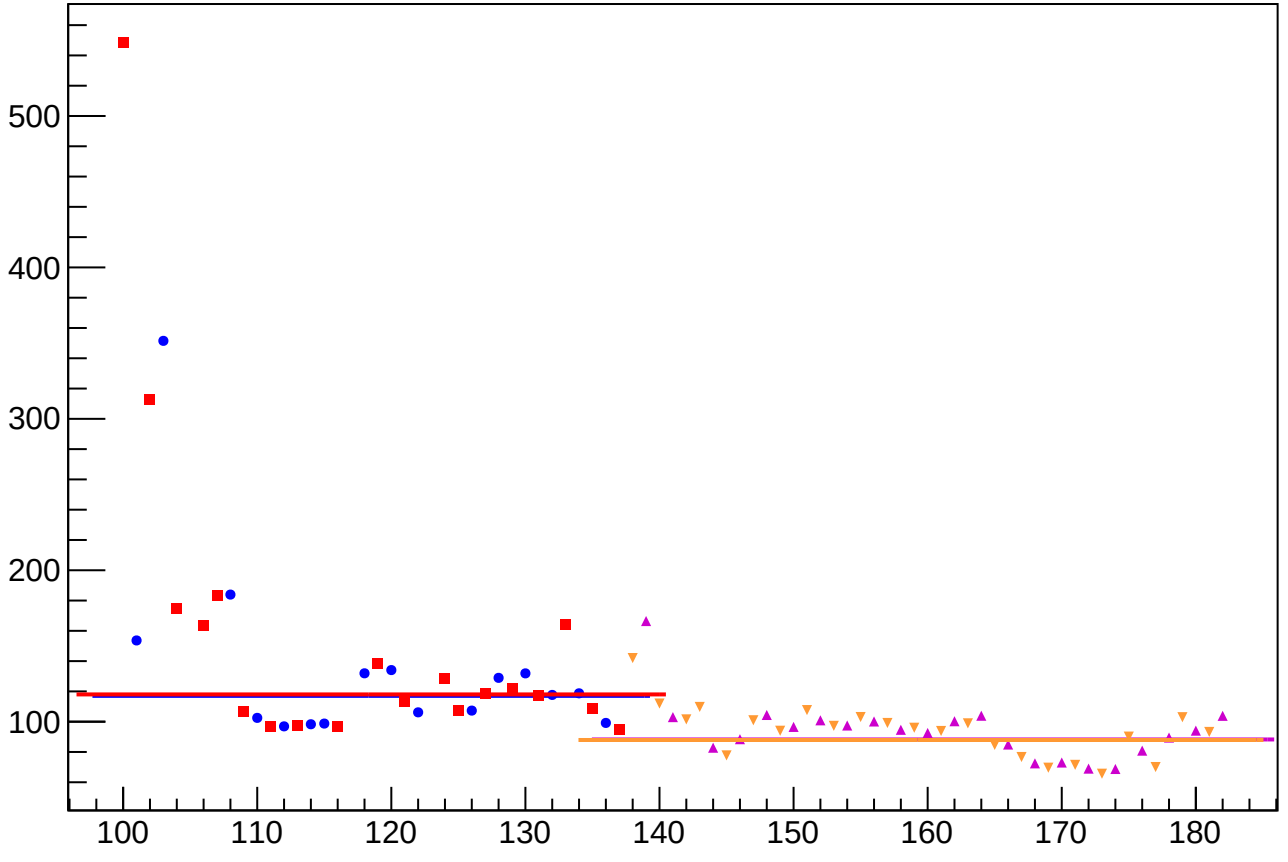
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 47.978+/-19.290 χ^2/NDF:40.9/37

Out: 63.946+/-19.136 χ^2/NDF:78.3/41

All: 56.025+/-13.585 χ^2/NDF: 119.6/79

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.915+/-0.015 χ^2/NDF:1145628.1/22

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 88.261+/-0.015 χ^2/NDF:1056736.6/21

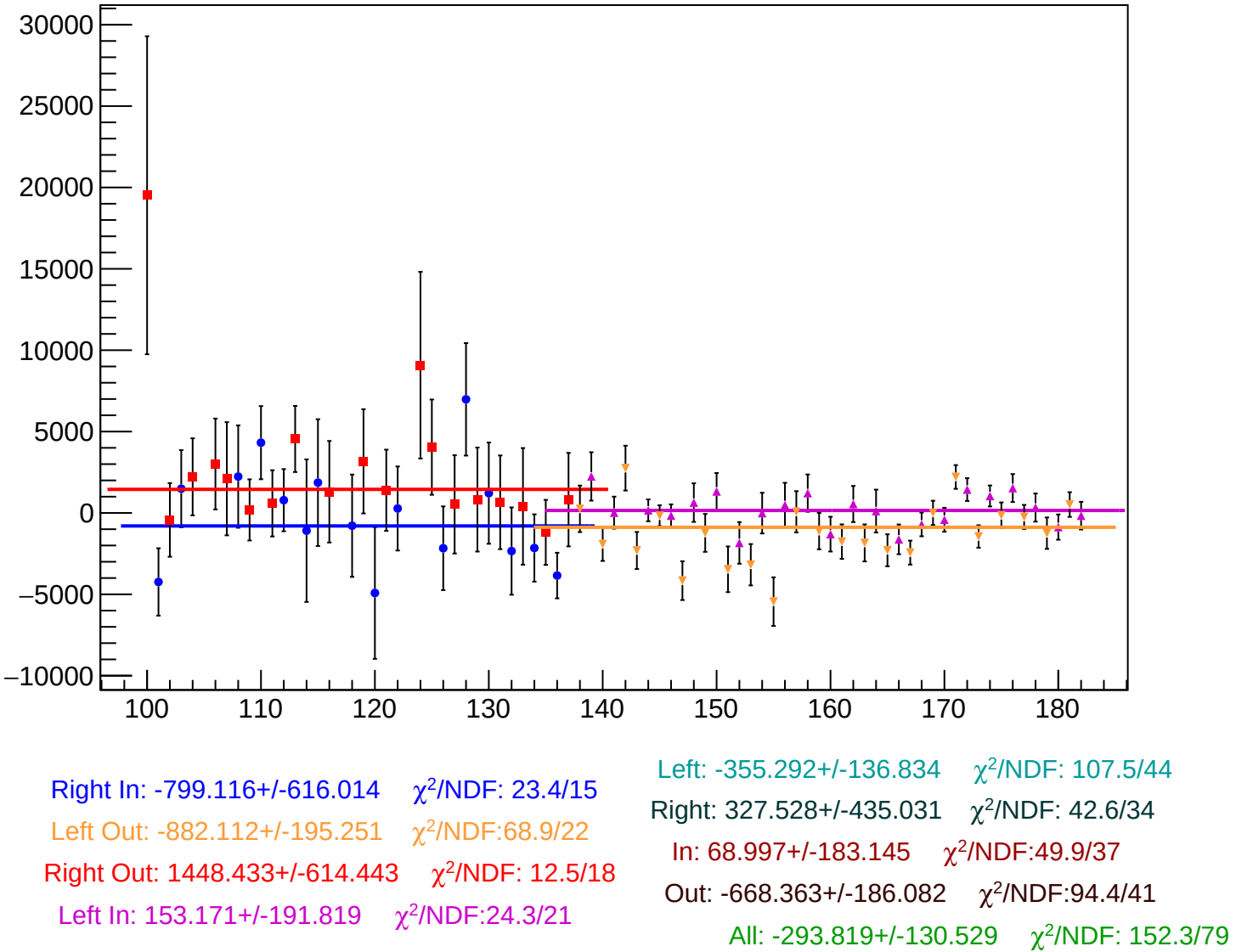
Left: 88.086+/-0.011 χ^2/NDF: 2202632.0/44

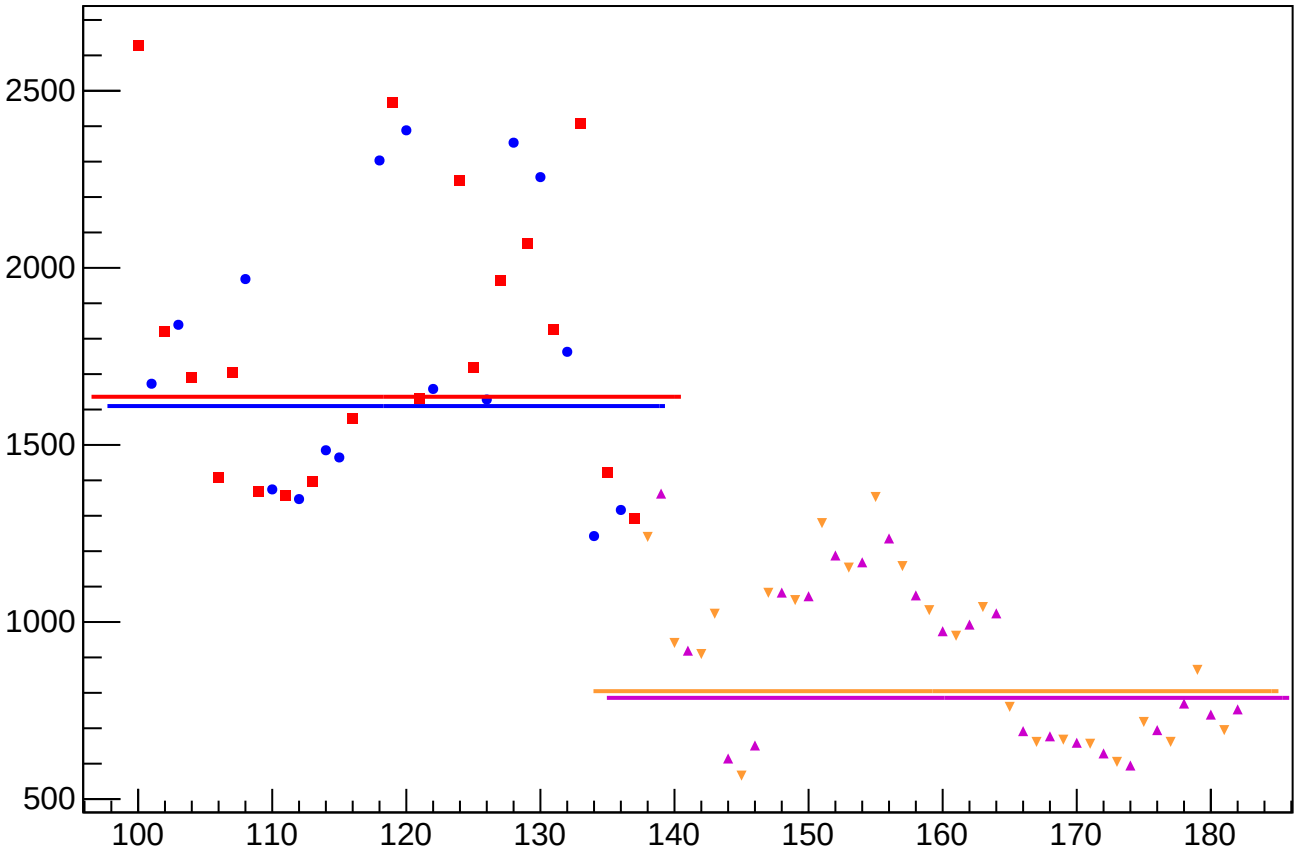
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.392+/-0.014 χ^2/NDF:2567892.6/37

Out: 93.162+/-0.014 χ^2/NDF:2844094.7/41

All: 93.276+/-0.010 χ^2/NDF: 5412130.4/79


asym_sam3_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -799.116+/-616.014 χ²/NDF: 23.4/15
Left Out: -882.112+/-195.251 χ²/NDF:68.9/22
Right Out: 1448.433+/-614.443 χ²/NDF: 12.5/18
Left In: 153.171+/-191.819 χ²/NDF:24.3/21
Left: -355.292+/-136.834 χ²/NDF: 107.5/44
Right: 327.528+/-435.031 χ²/NDF: 42.6/34
In: 68.997+/-183.145 χ²/NDF:49.9/37
Out: -668.363+/-186.082 χ²/NDF:94.4/41
All: -293.819+/-130.529 χ²/NDF: 152.3/79



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 804.714+/-0.138 χ^2/NDF:2359834.8/22

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 785.834+/-0.136 χ^2/NDF:2155732.9/21

Left: 795.107+/-0.097 χ^2/NDF: 4525083.2/44

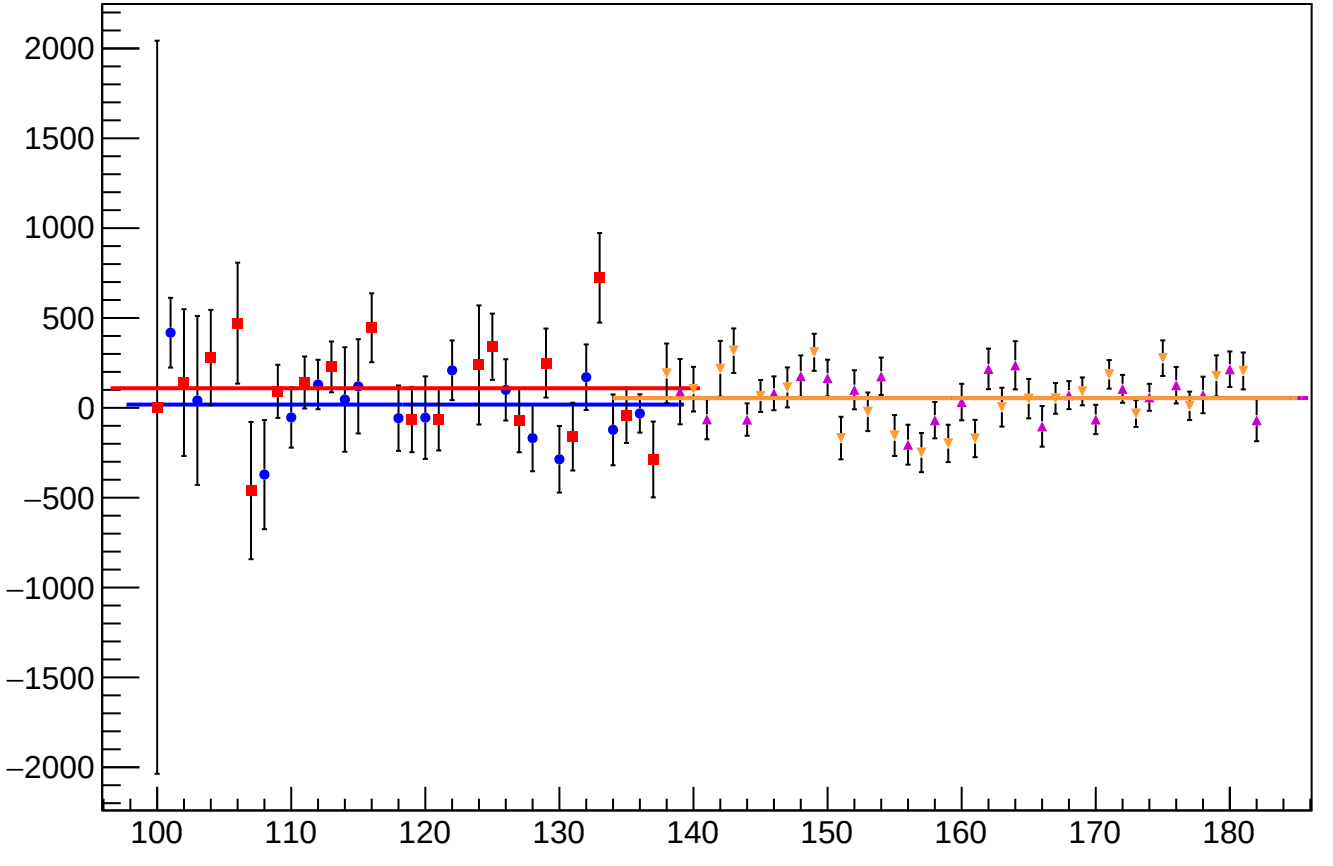
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 858.665+/-0.130 χ^2/NDF:6036757.9/37

Out: 880.960+/-0.132 χ^2/NDF:6212994.4/41

All: 869.636+/-0.092 χ^2/NDF: 12264336.2/79

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 54.399+/-21.060 χ^2/NDF:51.7/22

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 54.434+/-21.278 χ^2/NDF:26.5/21

Left: 54.416+/-14.968 χ^2/NDF: 78.3/44

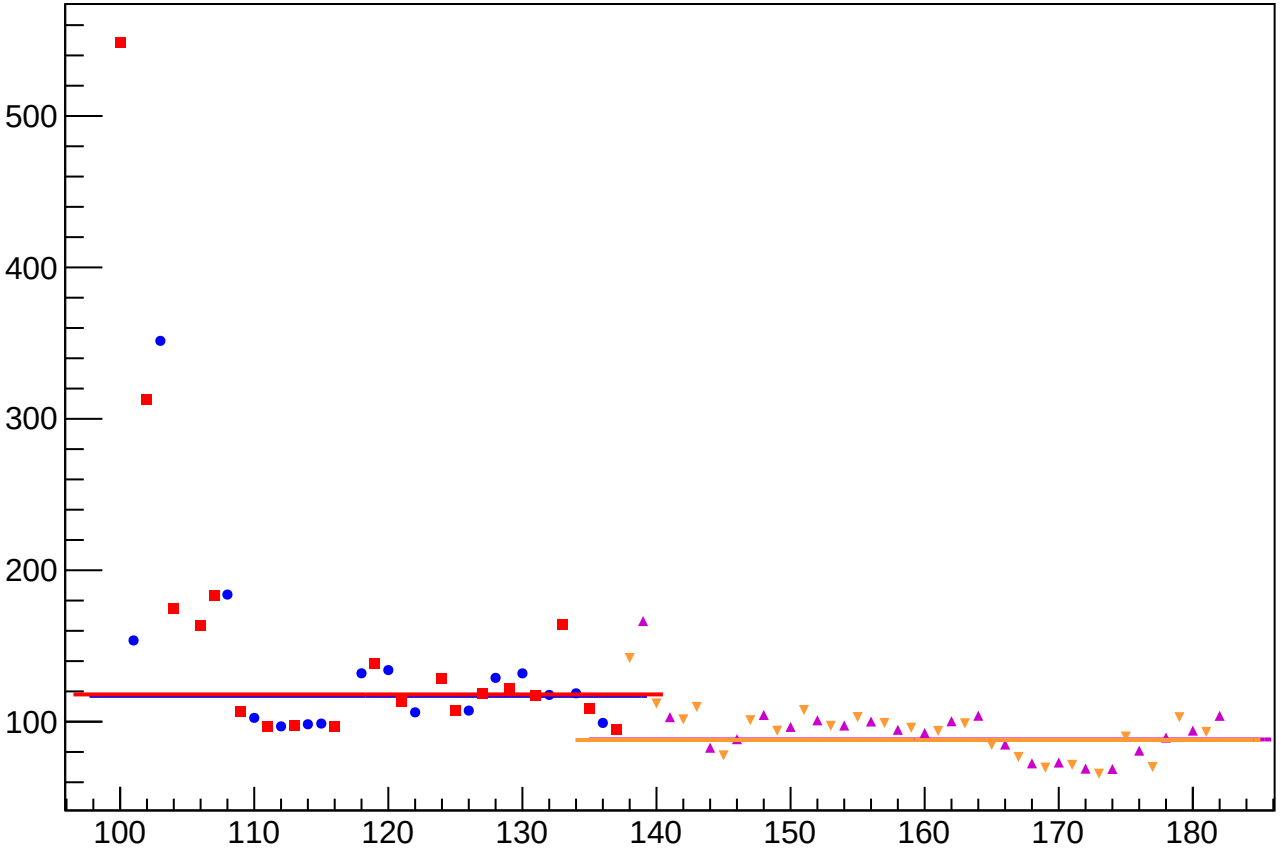
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 47.978+/-19.290 χ^2/NDF:40.9/37

Out: 63.946+/-19.136 χ^2/NDF:78.3/41

All: 56.025+/-13.585 χ^2/NDF: 119.6/79

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.915+/-0.015 χ^2/NDF:1145628.1/22

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 88.261+/-0.015 χ^2/NDF:1056736.6/21

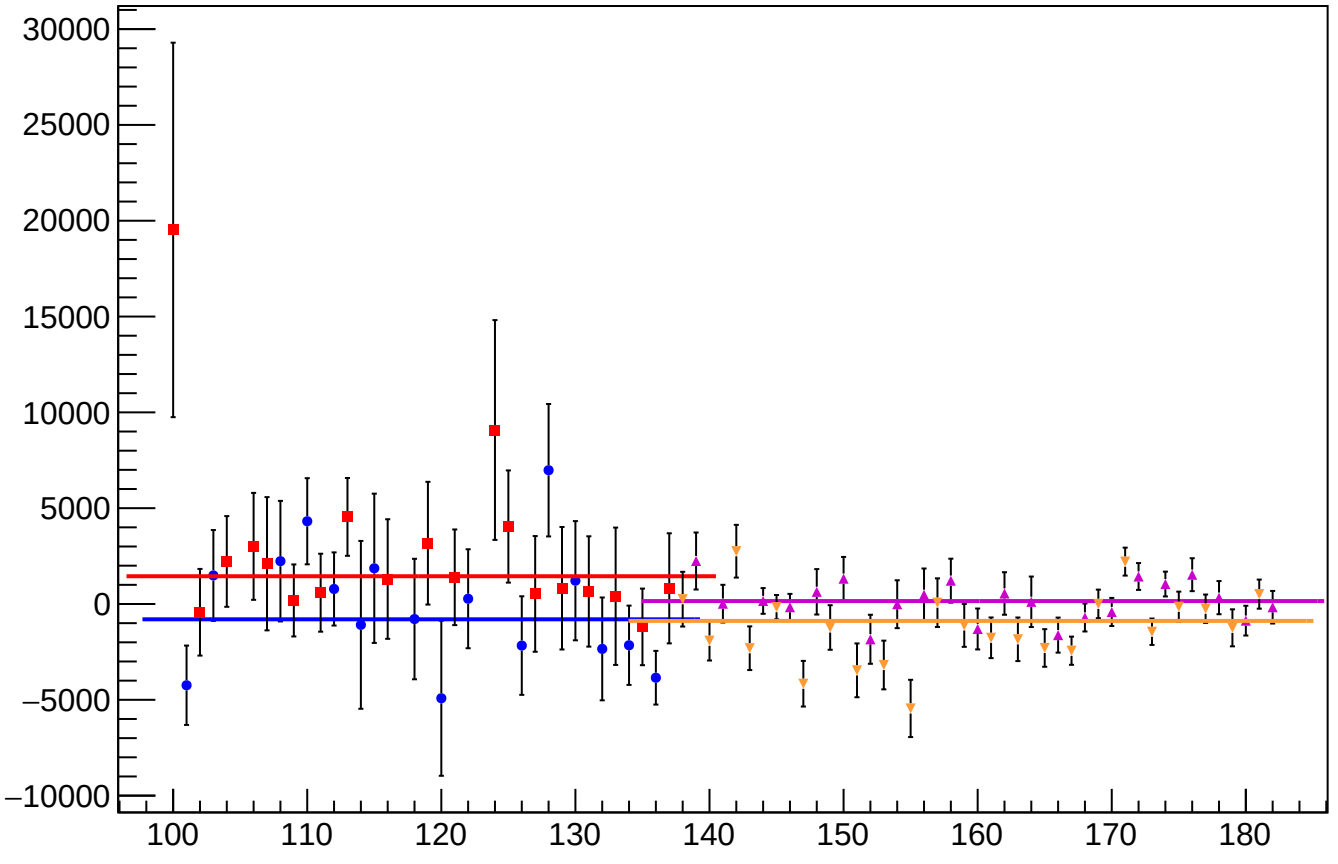
Left: 88.086+/-0.011 χ^2/NDF: 2202632.0/44

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.392+/-0.014 χ^2/NDF:2567892.6/37

Out: 93.162+/-0.014 χ^2/NDF:2844094.7/41

All: 93.276+/-0.010 χ^2/NDF: 5412130.4/79



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -882.112+/-195.251 χ^2/NDF:68.9/22

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 153.171+/-191.819 χ^2/NDF:24.3/21

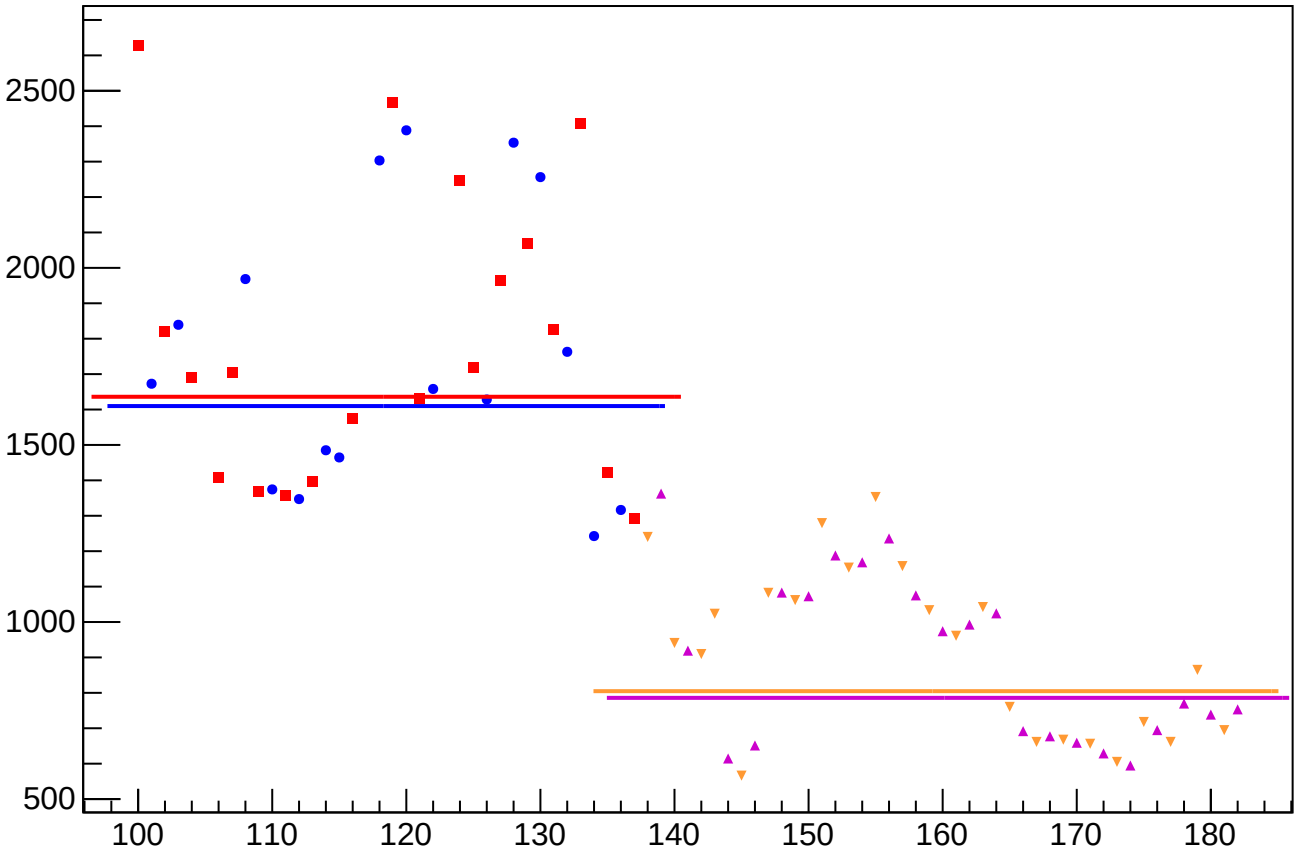
Left: -355.292+/-136.834 χ^2/NDF: 107.5/44

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 68.997+/-183.145 χ^2/NDF:49.9/37

Out: -668.363+/-186.082 χ^2/NDF:94.4/41

All: -293.819+/-130.529 χ^2/NDF: 152.3/79



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 804.714+/-0.138 χ^2/NDF:2359834.8/22

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 785.834+/-0.136 χ^2/NDF:2155732.9/21

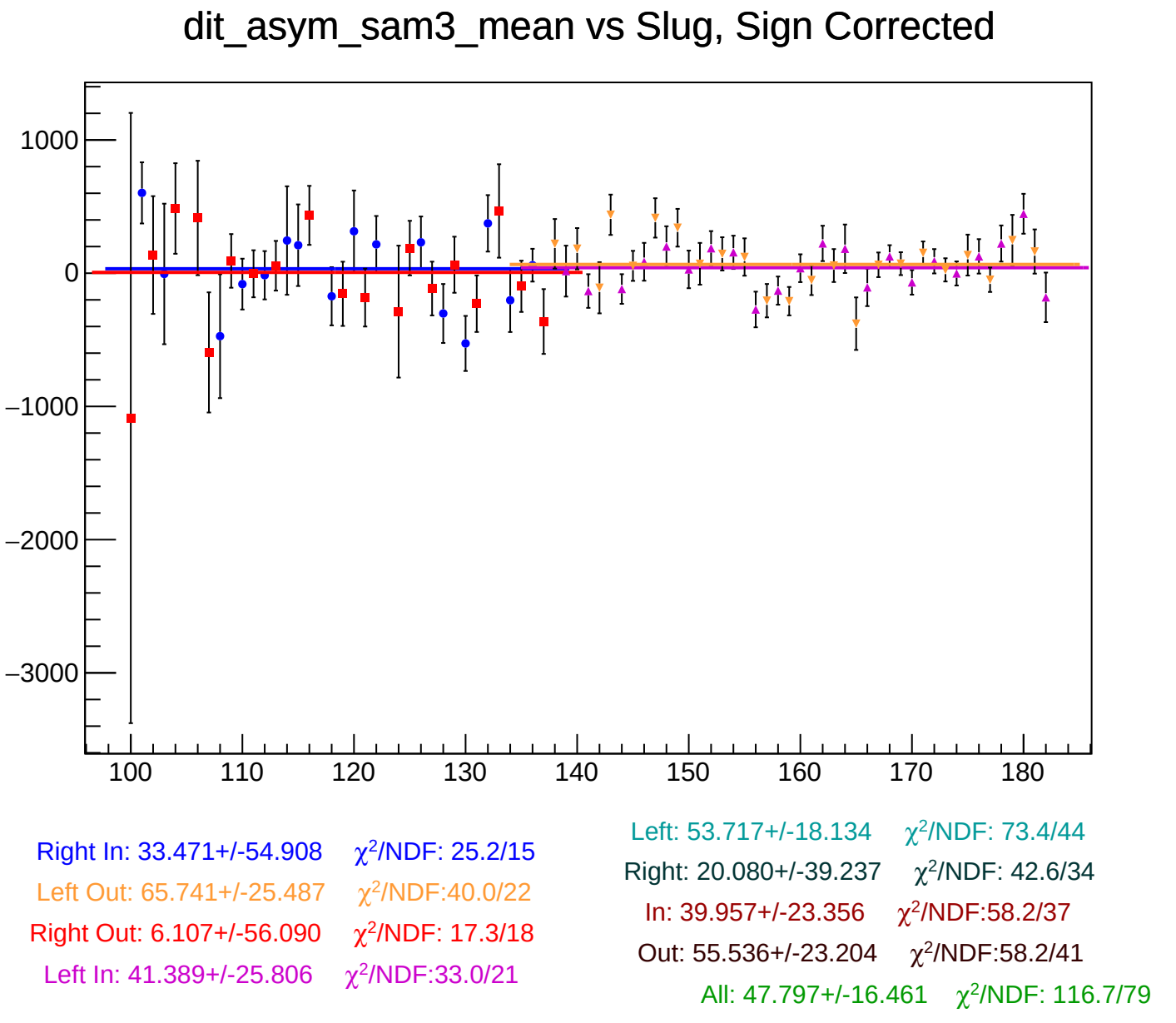
Left: 795.107+/-0.097 χ^2/NDF: 4525083.2/44

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

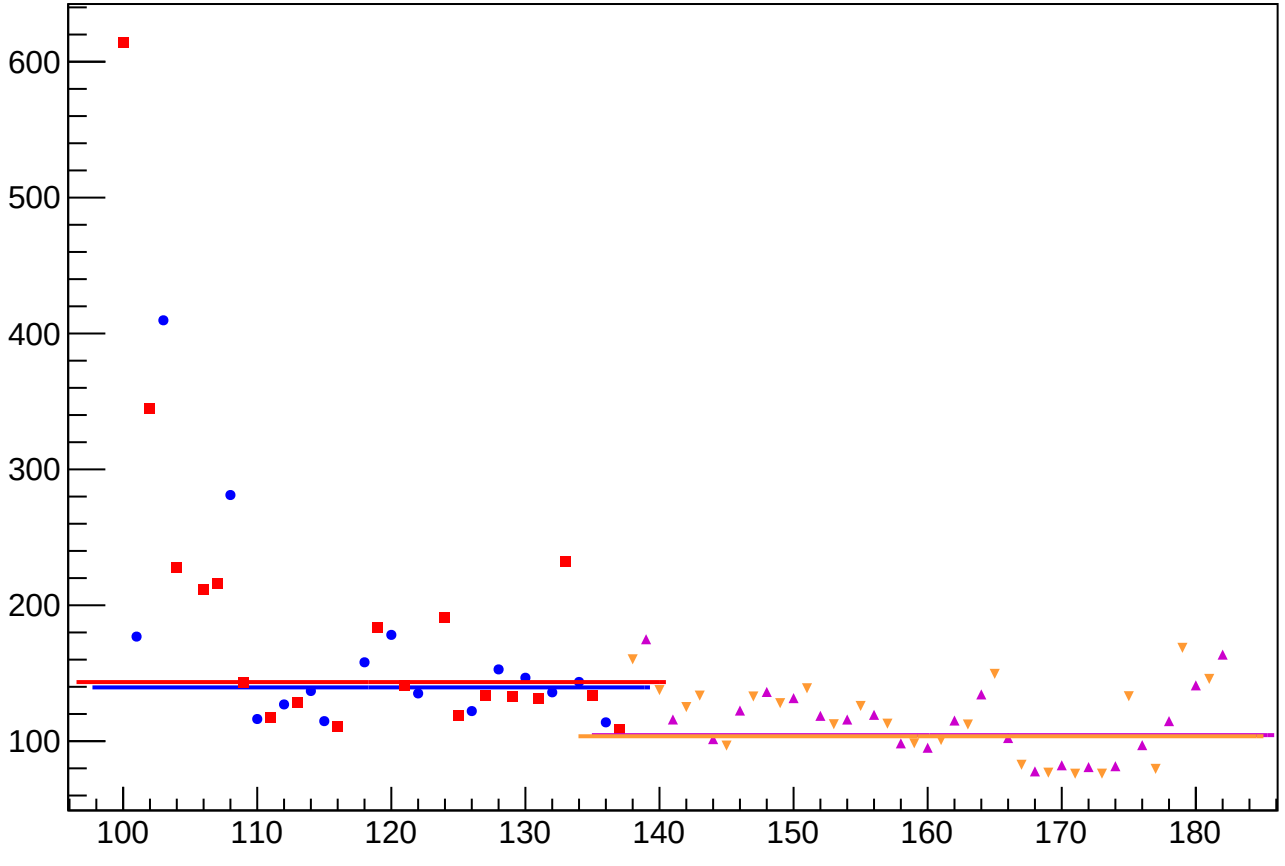
In: 858.665+/-0.130 χ^2/NDF:6036757.9/37

Out: 880.960+/-0.132 χ^2/NDF:6212994.4/41

All: 869.636+/-0.092 χ^2/NDF: 12264336.2/79


dit_asym_sam3_mean vs Slug, Sign Corrected
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: 33.471+/-54.908 χ²/NDF: 25.2/15
Left Out: 65.741+/-25.487 χ²/NDF:40.0/22
Right Out: 6.107+/-56.090 χ²/NDF: 17.3/18
Left In: 41.389+/-25.806 χ²/NDF:33.0/21
Left: 53.717+/-18.134 χ²/NDF: 73.4/44
Right: 20.080+/-39.237 χ²/NDF: 42.6/34
In: 39.957+/-23.356 χ²/NDF:58.2/37
Out: 55.536+/-23.204 χ²/NDF:58.2/41
All: 47.797+/-16.461 χ²/NDF: 116.7/79

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 103.607+/-0.018 χ^2/NDF:2106497.7/22

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 104.437+/-0.018 χ^2/NDF:1558764.1/21

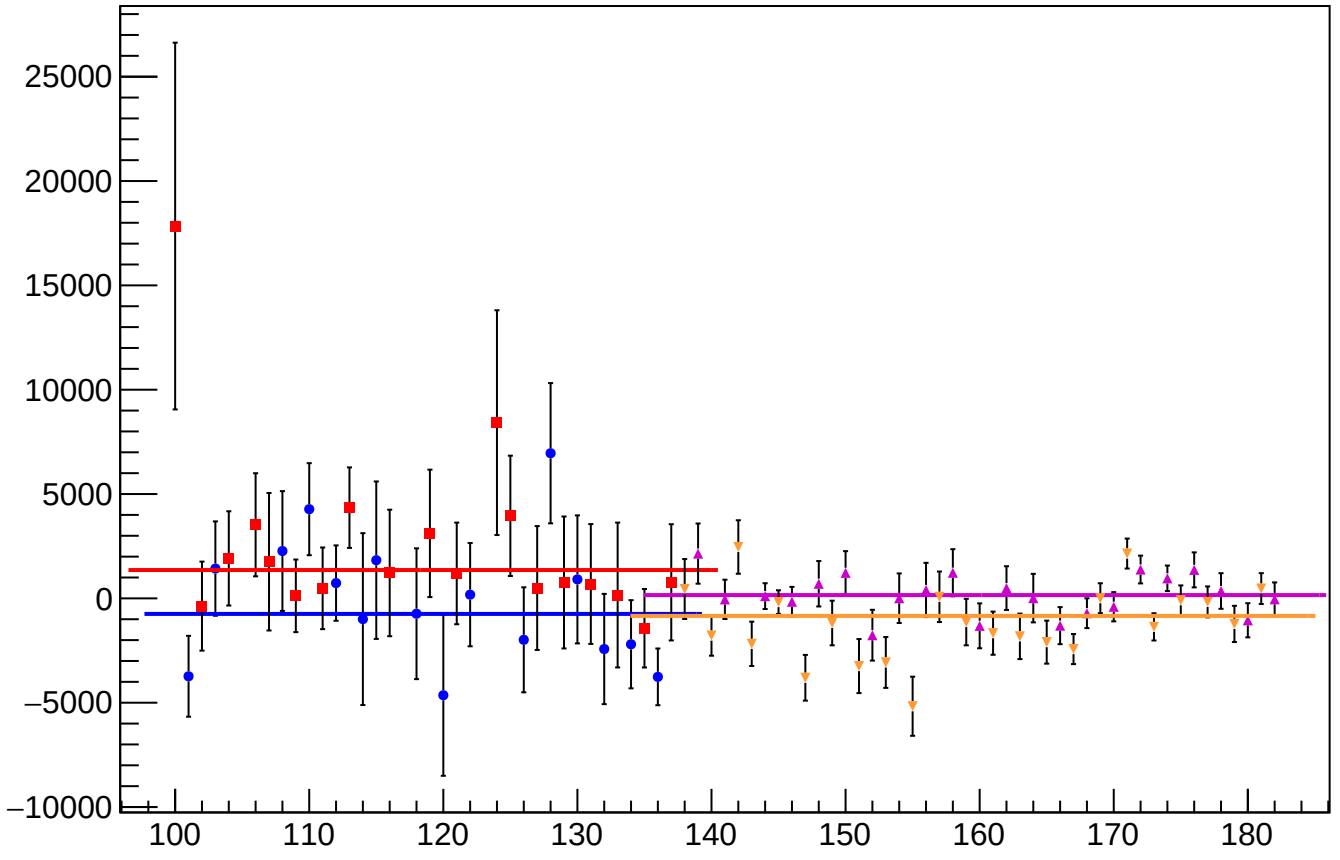
Left: 104.017+/-0.013 χ^2/NDF: 3666308.2/44

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 110.793+/-0.017 χ^2/NDF:3206052.8/37

Out: 110.431+/-0.016 χ^2/NDF:4060853.8/41

All: 110.611+/-0.012 χ^2/NDF: 7267148.5/79



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -840.515+/-185.787 χ^2/NDF:68.0/22

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 157.947+/-184.855 χ^2/NDF:23.2/21

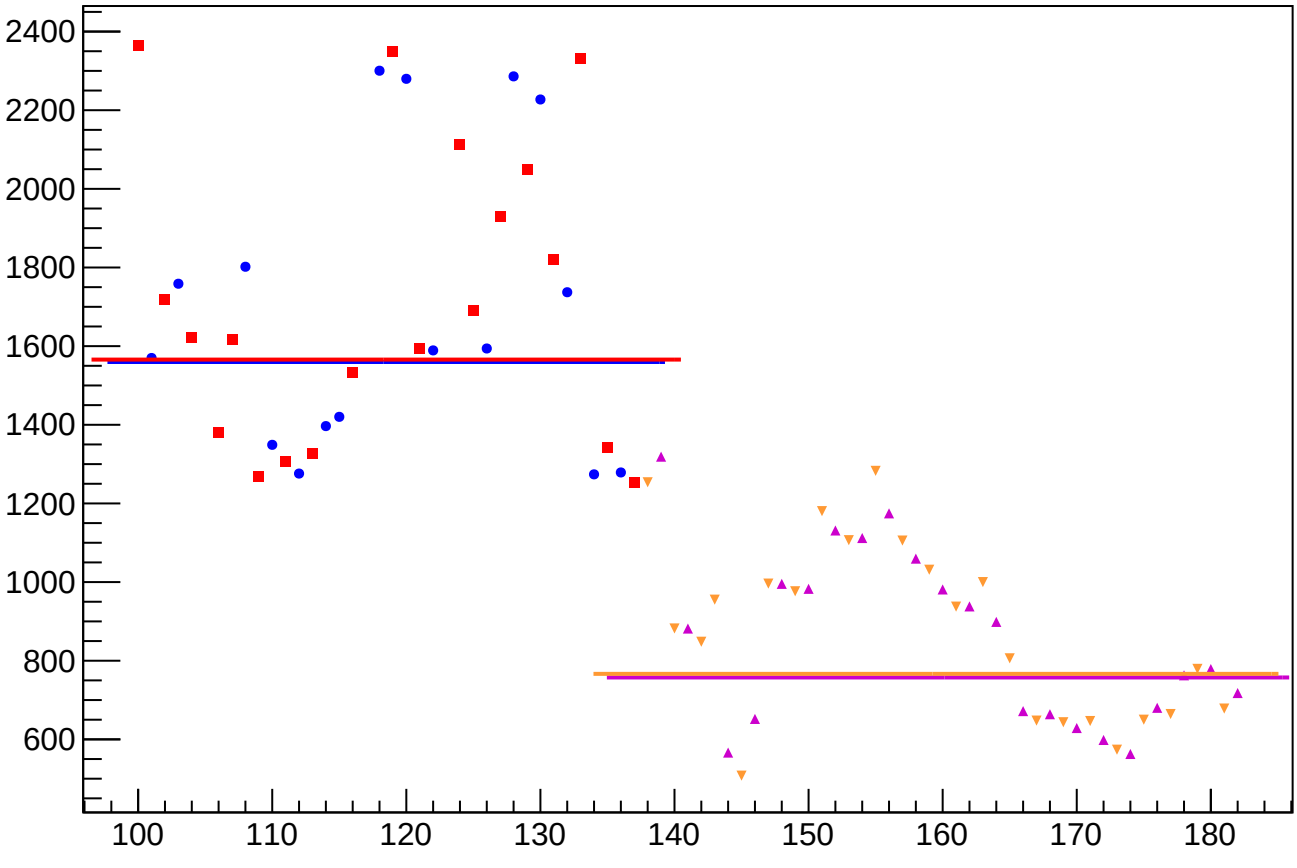
Left: -338.774+/-131.041 χ^2/NDF: 105.7/44

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: 78.689+/-176.553 χ^2/NDF:48.8/37

Out: -639.604+/-177.094 χ^2/NDF:94.3/41

All: -279.358+/-125.033 χ^2/NDF: 151.3/79



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 766.604+/-0.131 χ^2/NDF:2422306.0/22

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 757.410+/-0.131 χ^2/NDF:2114546.1/21

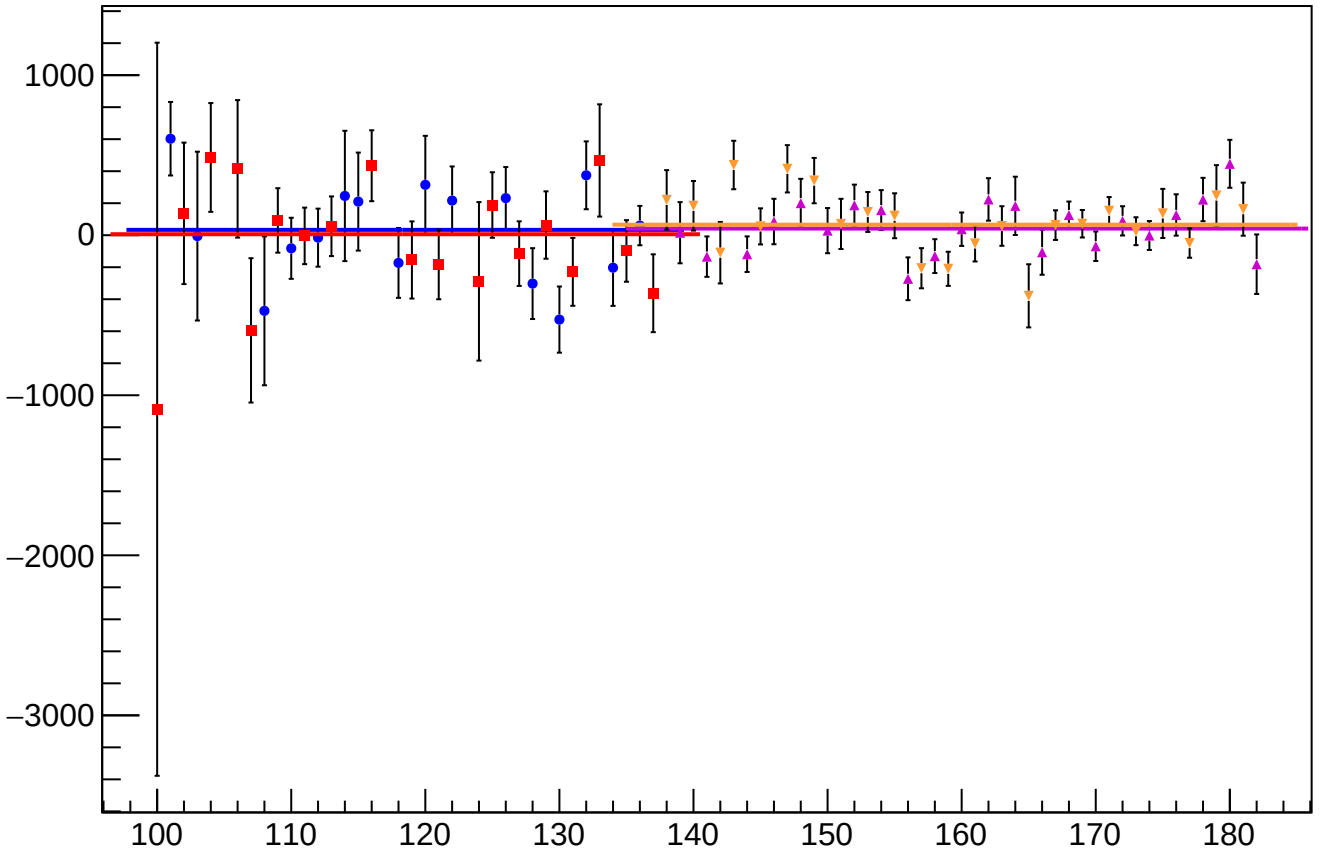
Left: 761.984+/-0.093 χ^2/NDF: 4539313.6/44

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 827.860+/-0.125 χ^2/NDF:6027034.4/37

Out: 839.643+/-0.125 χ^2/NDF:6368451.4/41

All: 833.734+/-0.088 χ^2/NDF: 12399926.3/79



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 65.742+/-25.487 χ^2/NDF:40.0/22

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 41.388+/-25.807 χ^2/NDF:33.0/21

Left: 53.717+/-18.134 χ^2/NDF: 73.4/44

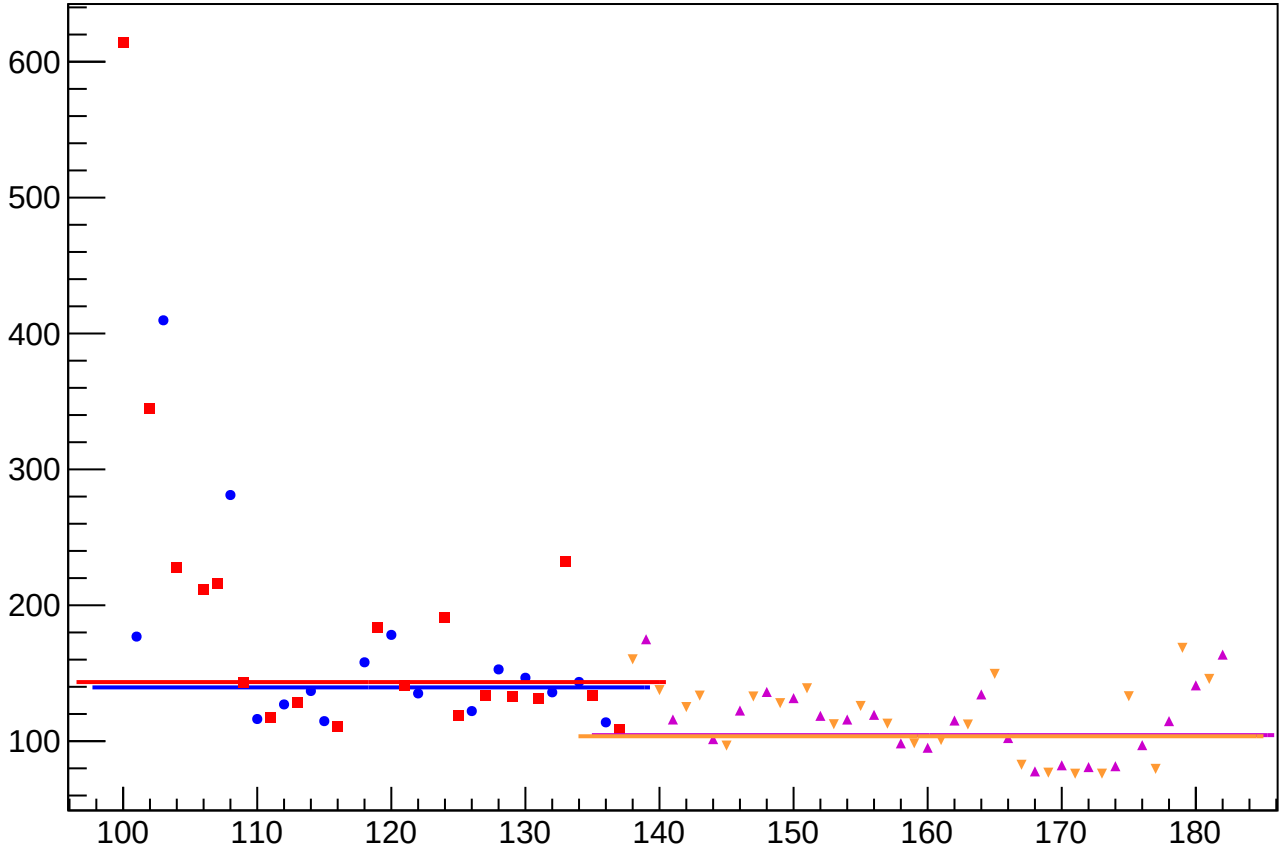
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 39.955+/-23.356 χ^2/NDF:58.2/37

Out: 55.536+/-23.204 χ^2/NDF:58.2/41

All: 47.796+/-16.461 χ^2/NDF: 116.7/79

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 103.607+/-0.018 χ^2/NDF:2106520.4/22

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 104.437+/-0.018 χ^2/NDF:1558773.0/21

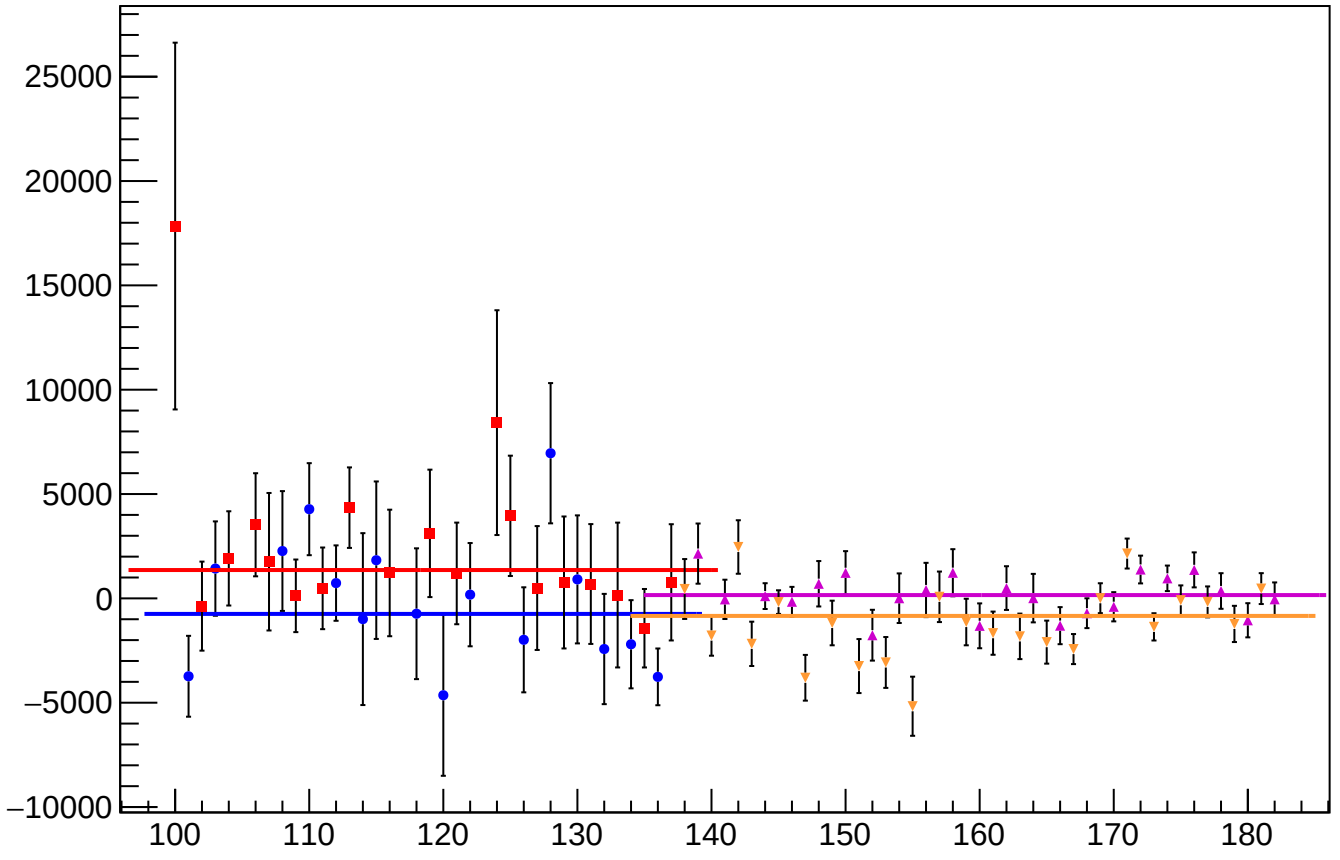
Left: 104.017+/-0.013 χ^2/NDF: 3666339.8/44

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 110.793+/-0.017 χ^2/NDF:3206060.3/37

Out: 110.431+/-0.016 χ^2/NDF:4060883.5/41

All: 110.611+/-0.012 χ^2/NDF: 7267185.6/79



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -840.516+/-185.787 χ^2/NDF:68.0/22

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 157.947+/-184.855 χ^2/NDF:23.2/21

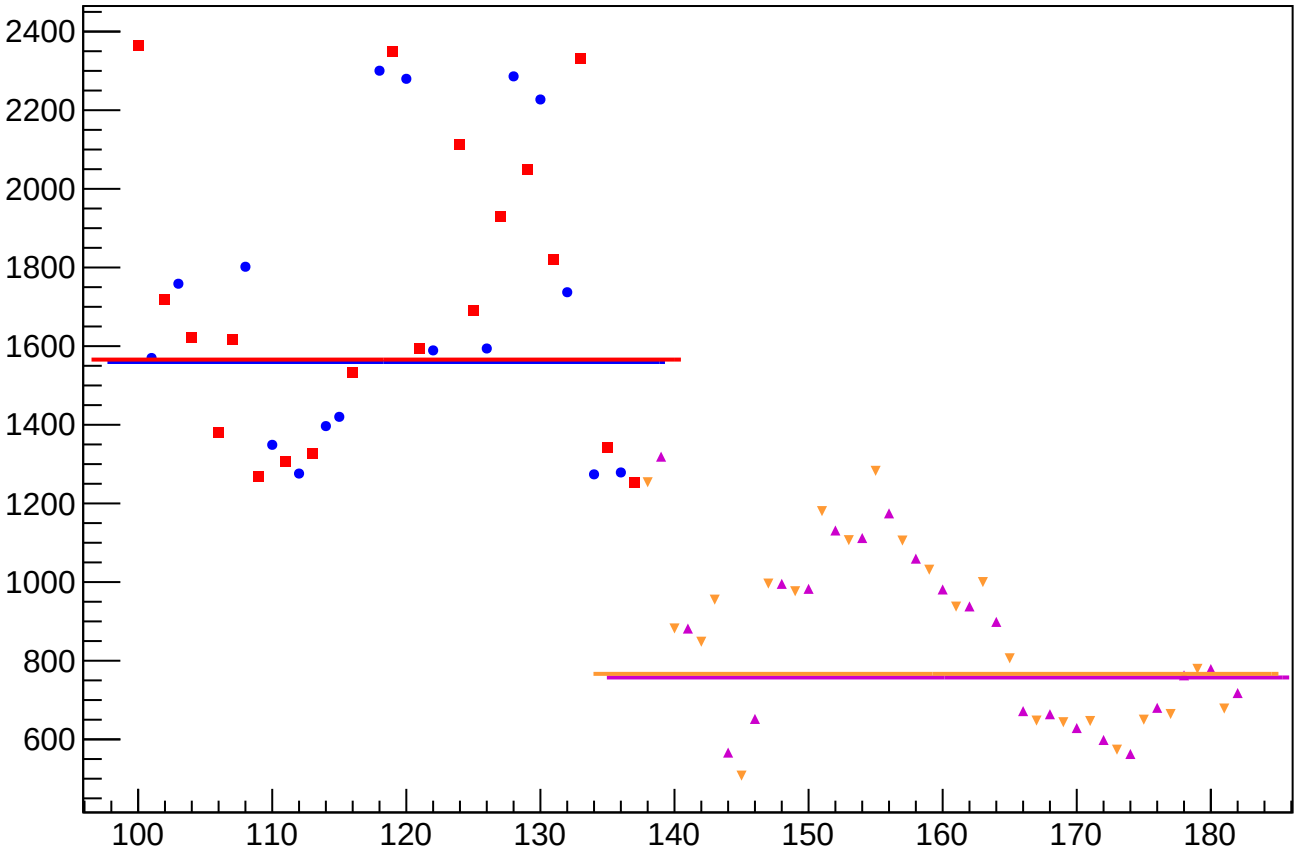
Left: -338.774+/-131.040 χ^2/NDF: 105.7/44

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: 78.689+/-176.553 χ^2/NDF:48.8/37

Out: -639.605+/-177.094 χ^2/NDF:94.3/41

All: -279.359+/-125.033 χ^2/NDF: 151.3/79



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 766.604+/-0.131 χ^2/NDF:2422299.5/22

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 757.409+/-0.131 χ^2/NDF:2114541.0/21

Left: 761.983+/-0.093 χ^2/NDF: 4539302.1/44

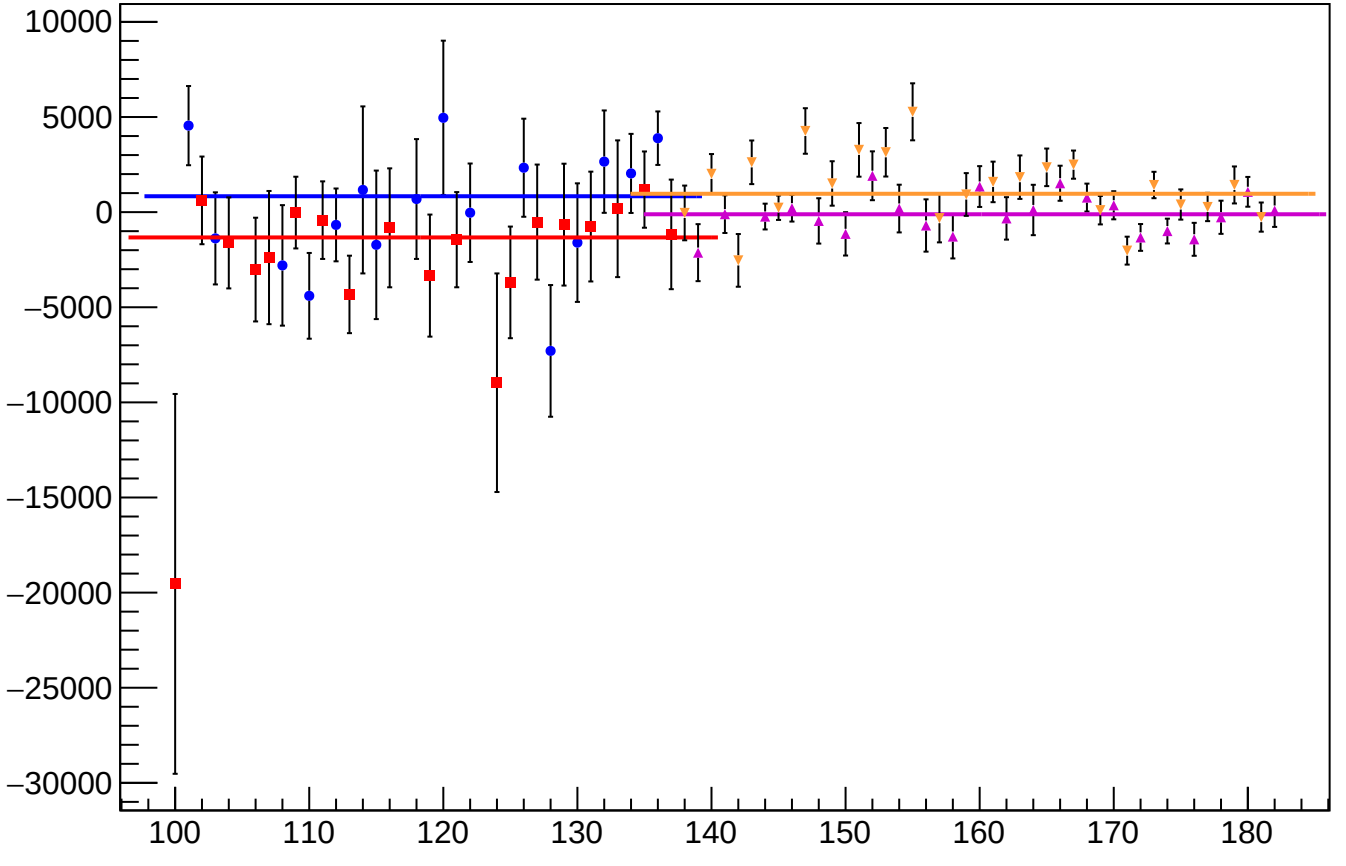
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 827.860+/-0.125 χ^2/NDF:6027028.7/37

Out: 839.643+/-0.125 χ^2/NDF:6368439.0/41

All: 833.733+/-0.088 χ^2/NDF: 12399908.2/79

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 965.229+/-196.523 χ^2/NDF:63.7/22

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -111.794+/-193.150 χ^2/NDF:23.1/21

Left: 417.397+/-137.755 χ^2/NDF: 102.1/44

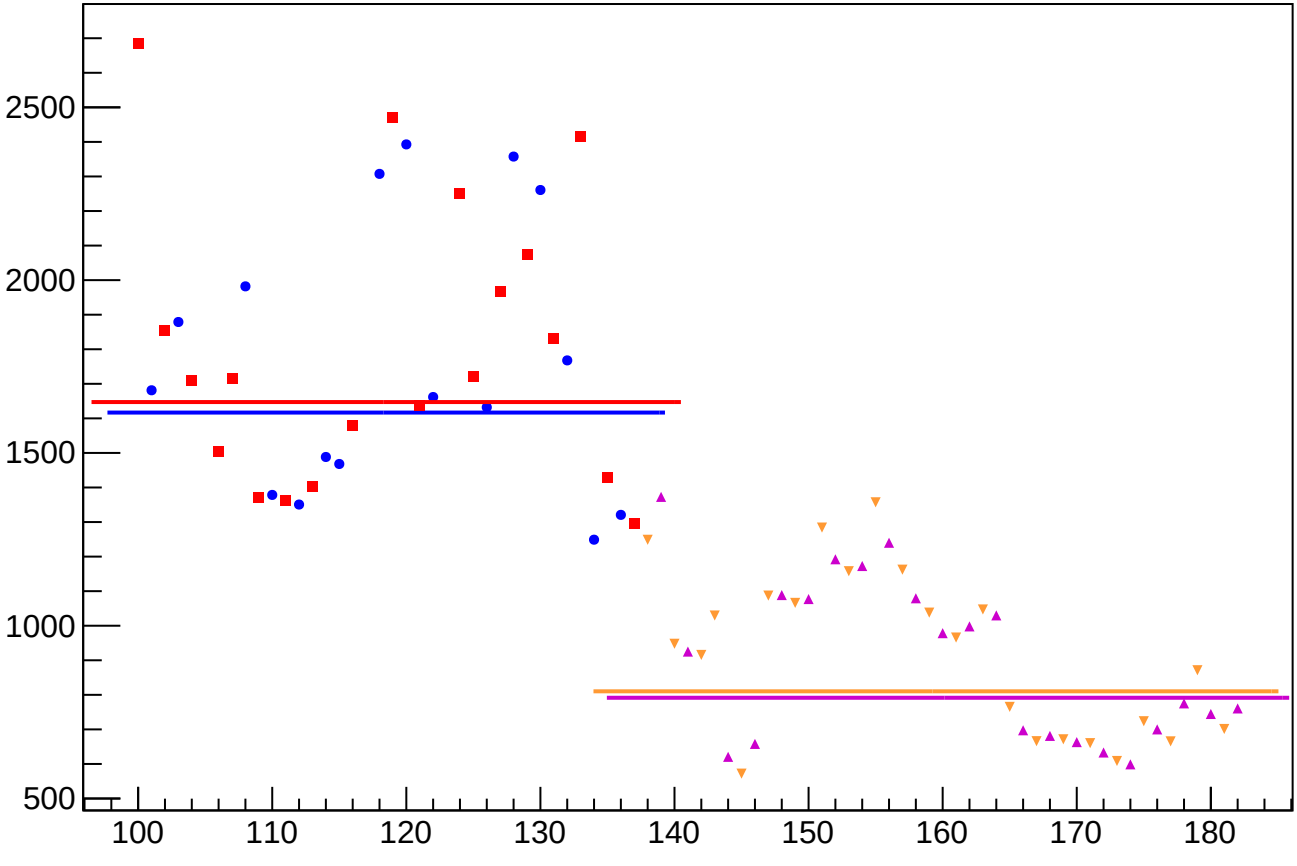
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: -27.689+/-184.377 χ^2/NDF:50.1/37

Out: 753.510+/-187.238 χ^2/NDF:88.4/41

All: 356.896+/-131.374 χ^2/NDF: 147.4/79

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 810.187+/-0.139 χ^2/NDF:2338214.4/22

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 791.534+/-0.137 χ^2/NDF:2134648.0/21

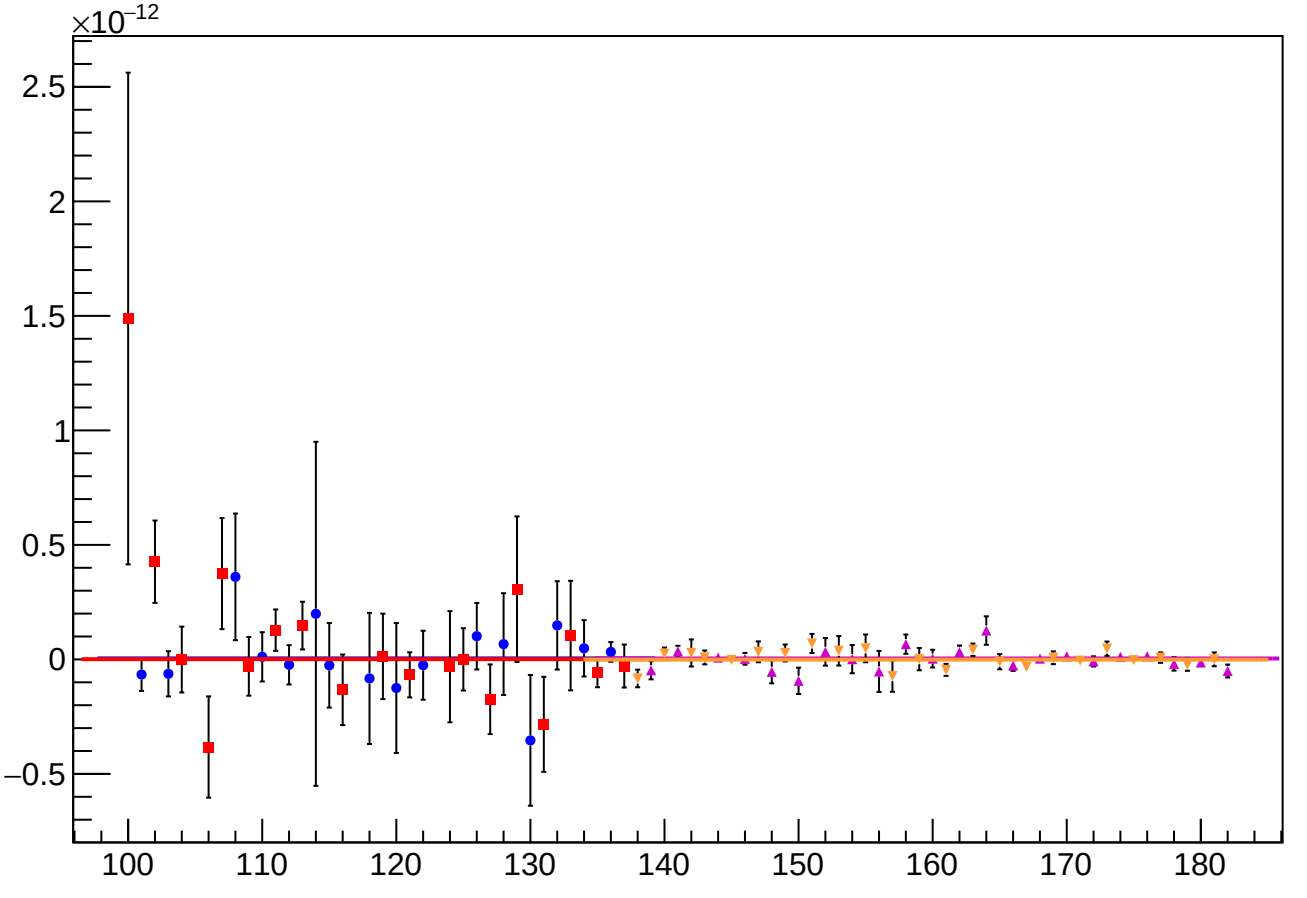
Left: 800.699+/-0.097 χ^2/NDF: 4482027.3/44

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 864.805+/-0.130 χ^2/NDF:5998600.9/37

Out: 887.414+/-0.132 χ^2/NDF:6209562.3/41

All: 875.935+/-0.093 χ^2/NDF: 12222967.8/79



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:23.8/21

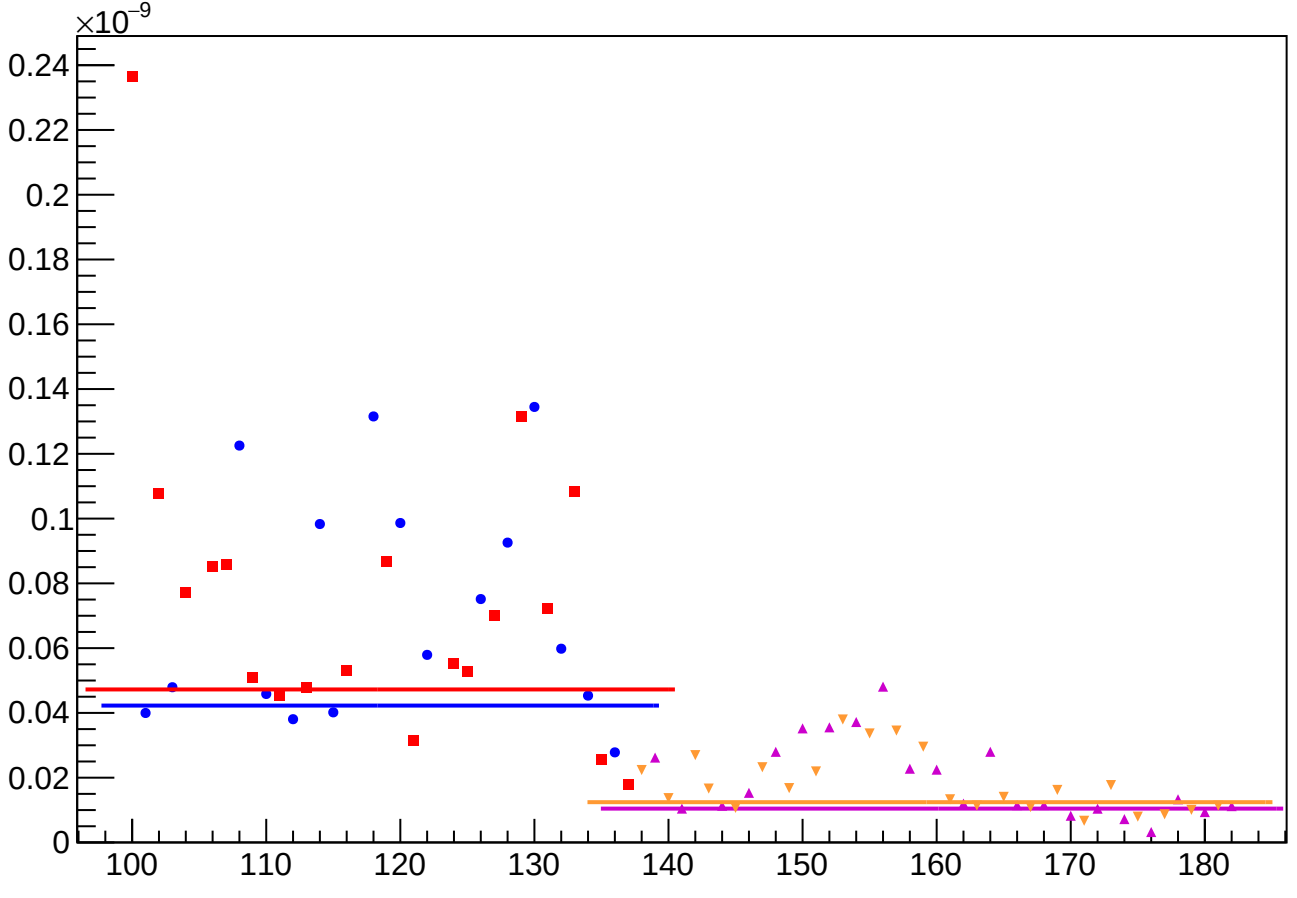
Left: 0.000+/-0.000 χ^2/NDF: 47.7/44

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:30.7/37

Out: -0.000+/-0.000 χ^2/NDF:46.9/41

All: 0.000+/-0.000 χ^2/NDF: 78.0/79



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2212845.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3615341.6/21

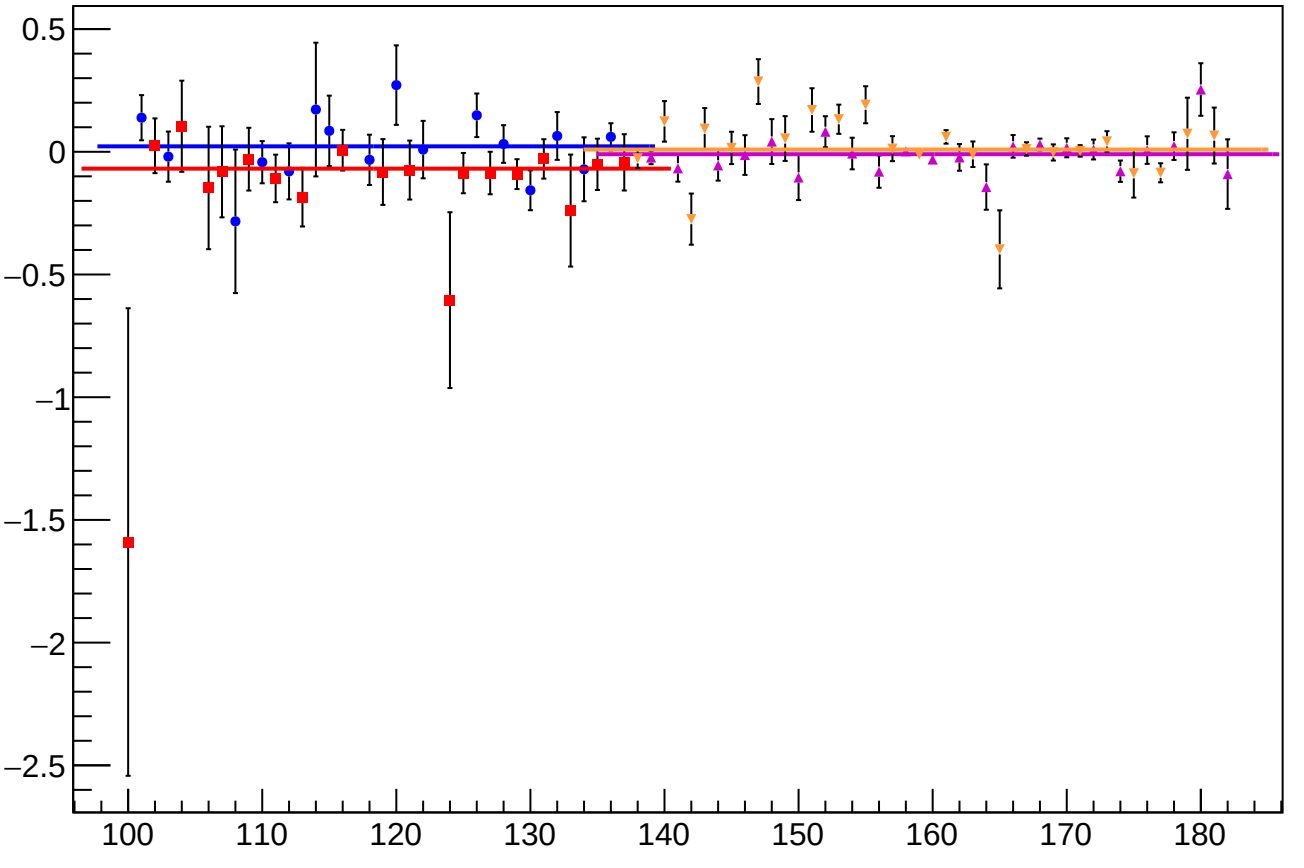
Left: 0.000+/-0.000 χ^2/NDF: 5964856.0/44

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:7397903.0/37

Out: 0.000+/-0.000 χ^2/NDF:6174965.3/41

All: 0.000+/-0.000 χ^2/NDF: 13725034.0/79



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:54.3/22

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:24.1/21

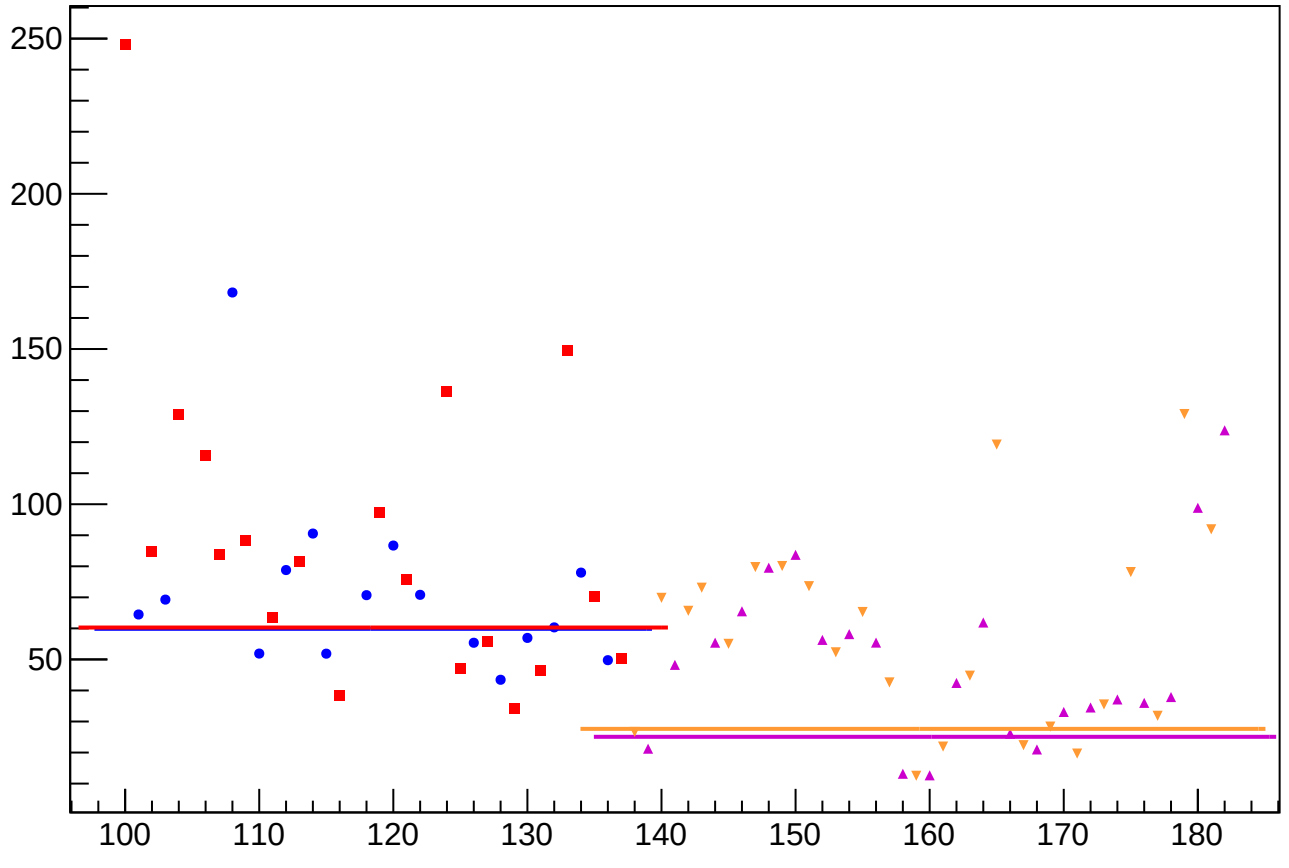
Left: -0.001+/-0.006 χ^2/NDF: 81.1/44

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:41.1/37

Out: 0.001+/-0.008 χ^2/NDF:72.4/41

All: -0.003+/-0.006 χ^2/NDF: 114.1/79



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.632+/-0.006 χ^2/NDF:9967598.7/22

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 25.072+/-0.006 χ^2/NDF:9629901.4/21

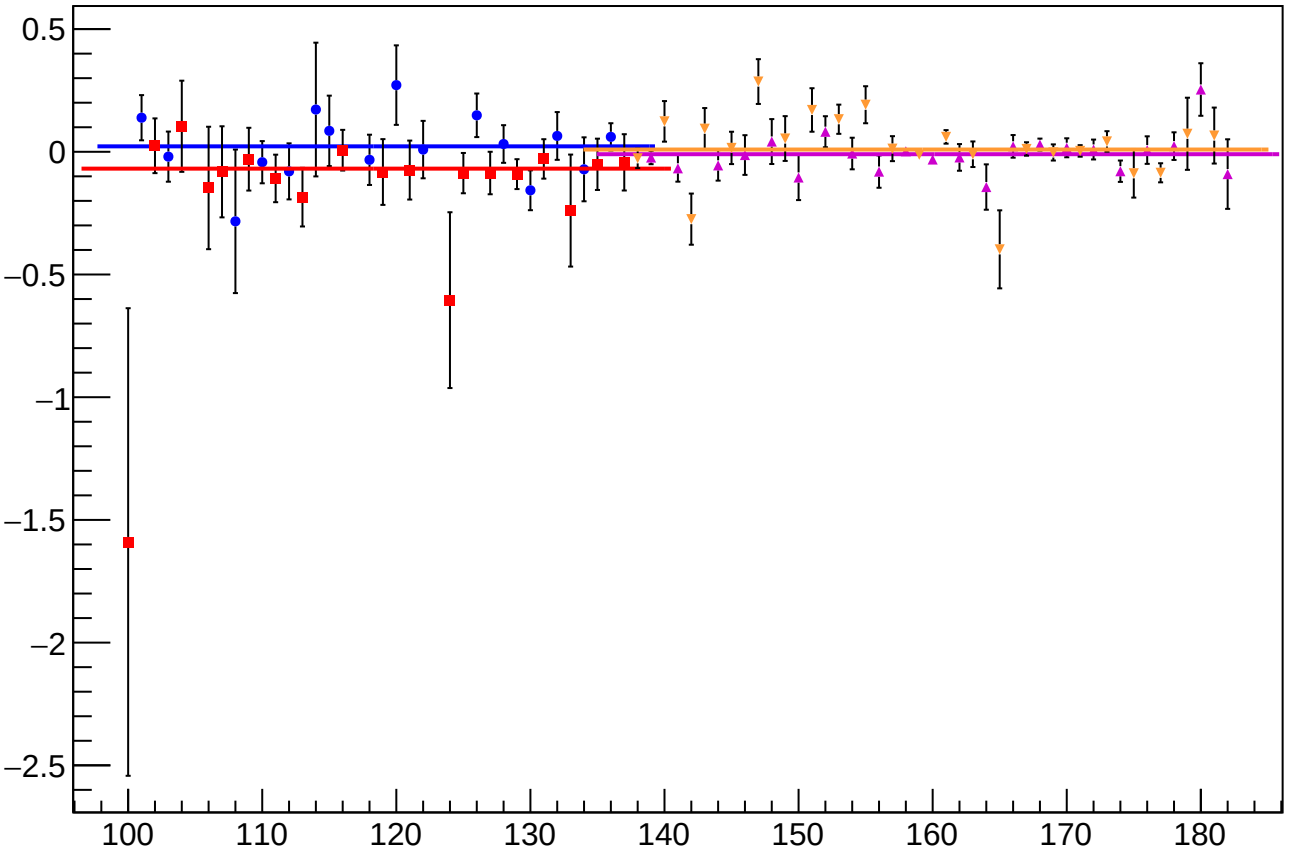
Left: 26.265+/-0.004 χ^2/NDF: 19694706.2/44

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 28.330+/-0.005 χ^2/NDF:13933753.3/37

Out: 30.939+/-0.006 χ^2/NDF:14942700.1/41

All: 29.552+/-0.004 χ^2/NDF: 28988342.4/79



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:54.3/22

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:24.1/21

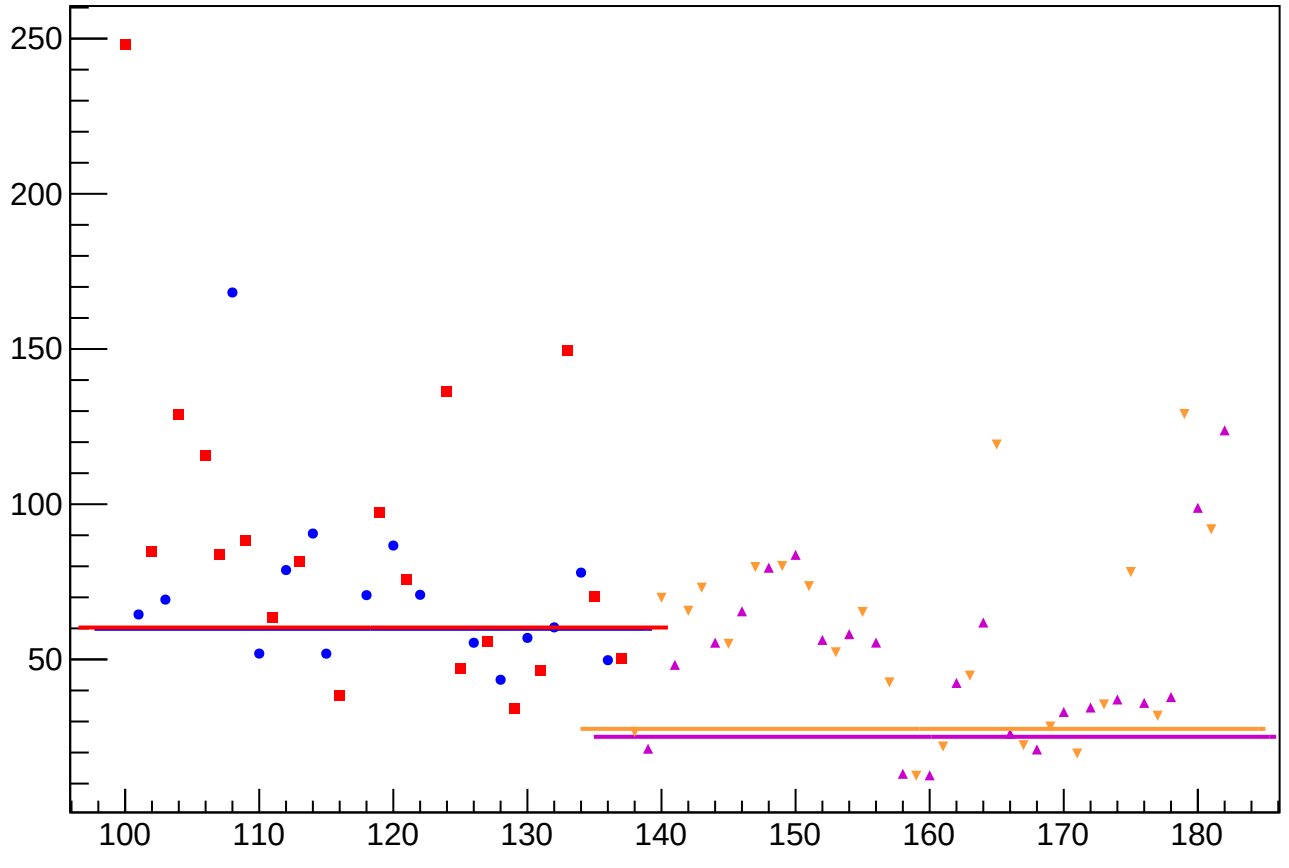
Left: -0.001+/-0.006 χ^2/NDF: 81.1/44

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:41.1/37

Out: 0.001+/-0.008 χ^2/NDF:72.4/41

All: -0.003+/-0.006 χ^2/NDF: 114.1/79



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.632+/-0.006 χ^2/NDF:9967598.7/22

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 25.072+/-0.006 χ^2/NDF:9629901.4/21

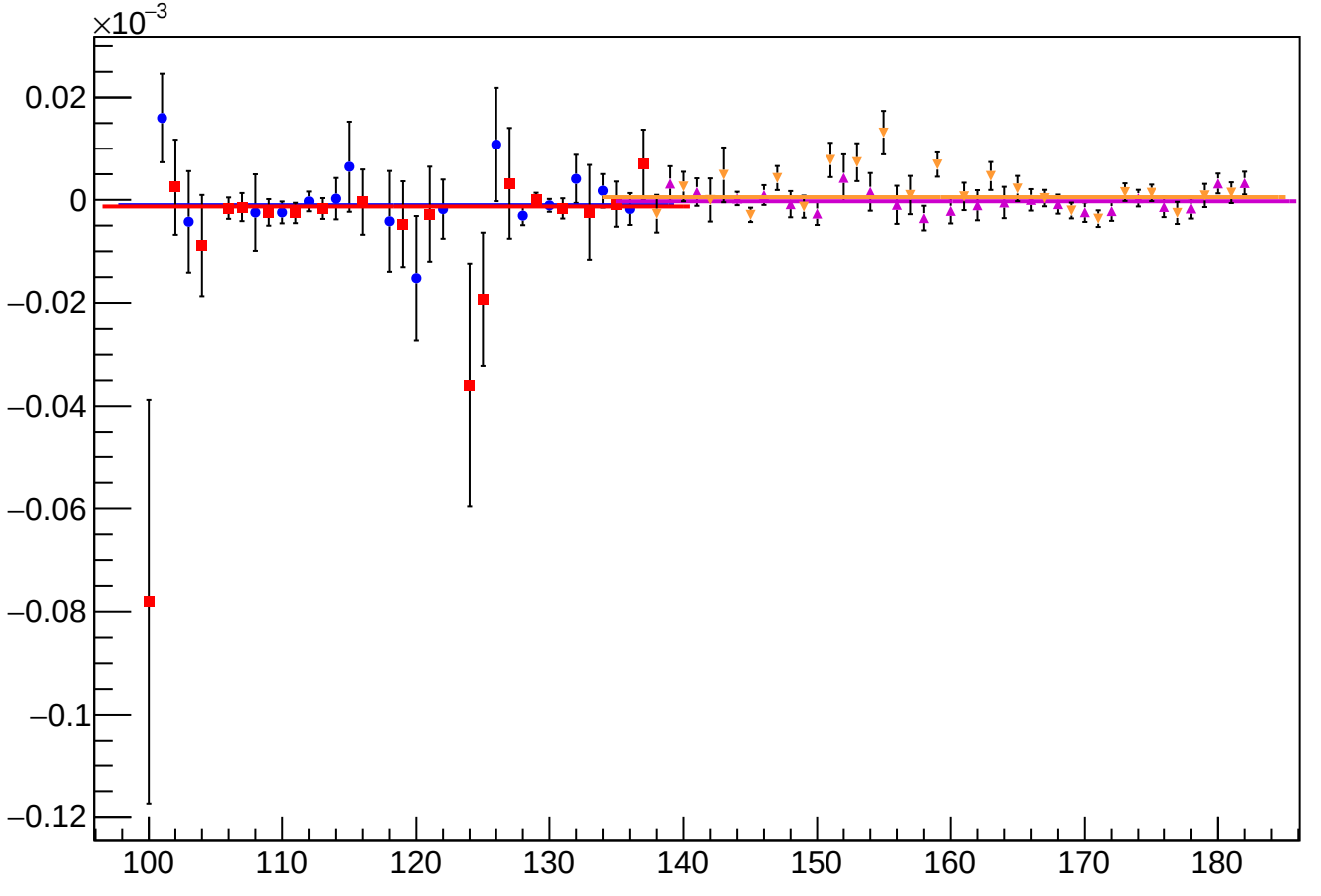
Left: 26.265+/-0.004 χ^2/NDF: 19694706.2/44

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 28.330+/-0.005 χ^2/NDF:13933753.3/37

Out: 30.939+/-0.006 χ^2/NDF:14942700.1/41

All: 29.552+/-0.004 χ^2/NDF: 28988342.4/79



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/21

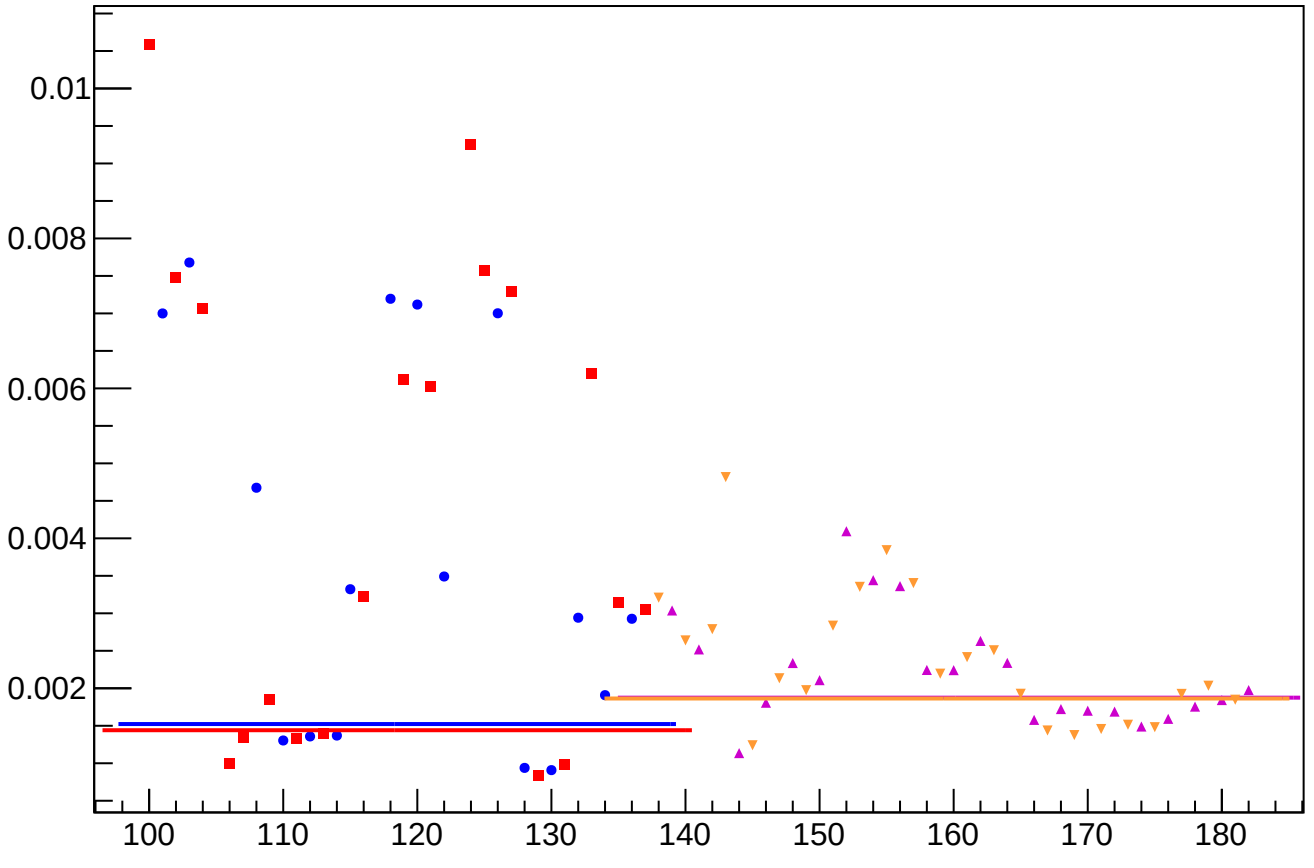
Left: 0.000+/-0.000 χ^2/NDF: 68.4/44

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:28.2/37

Out: -0.000+/-0.000 χ^2/NDF:67.9/41

All: -0.000+/-0.000 χ^2/NDF: 96.8/79



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3732707.7/22

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2760839.6/21

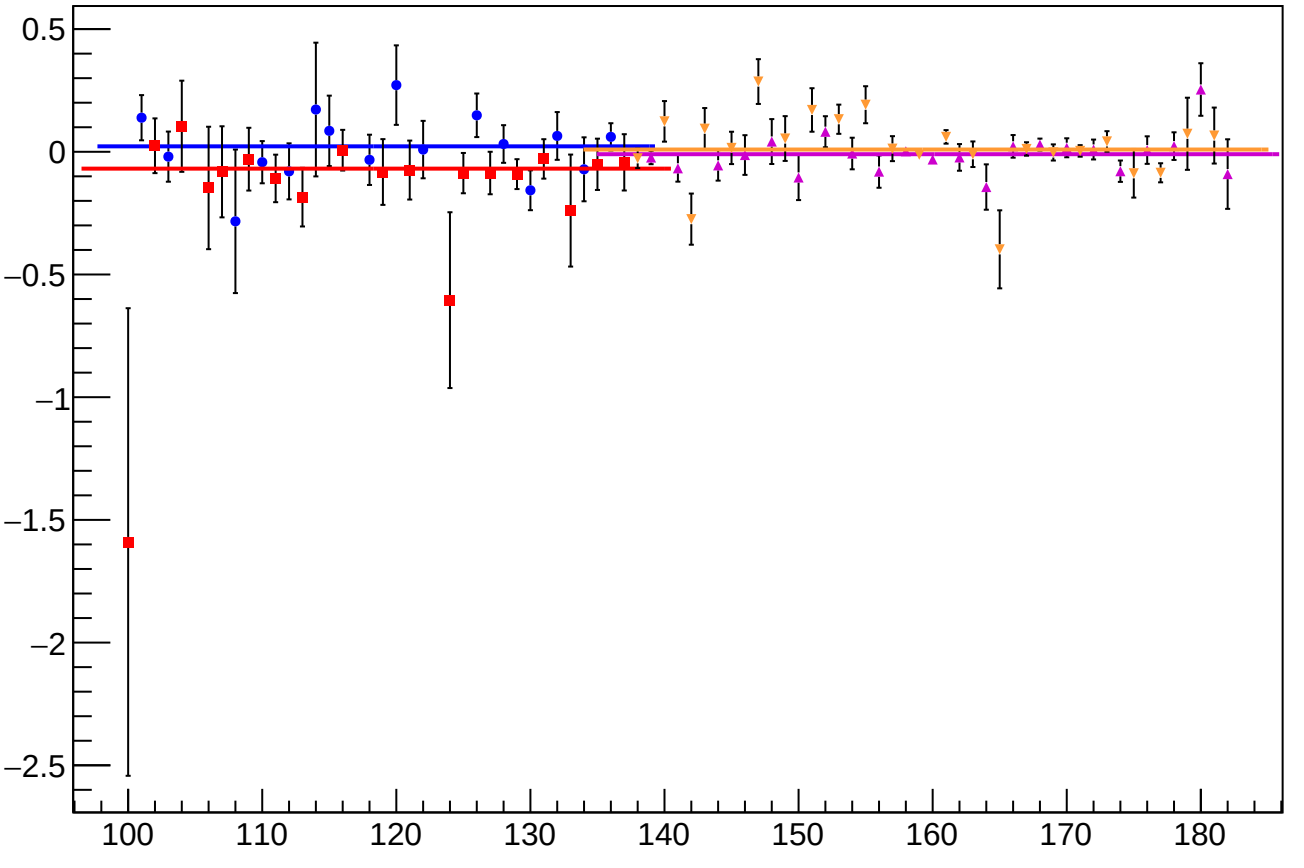
Left: 0.002+/-0.000 χ^2/NDF: 6494116.8/44

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8268872.5/37

Out: 0.002+/-0.000 χ^2/NDF:10031597.7/41

All: 0.002+/-0.000 χ^2/NDF: 18311106.6/79



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:54.3/22

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:24.1/21

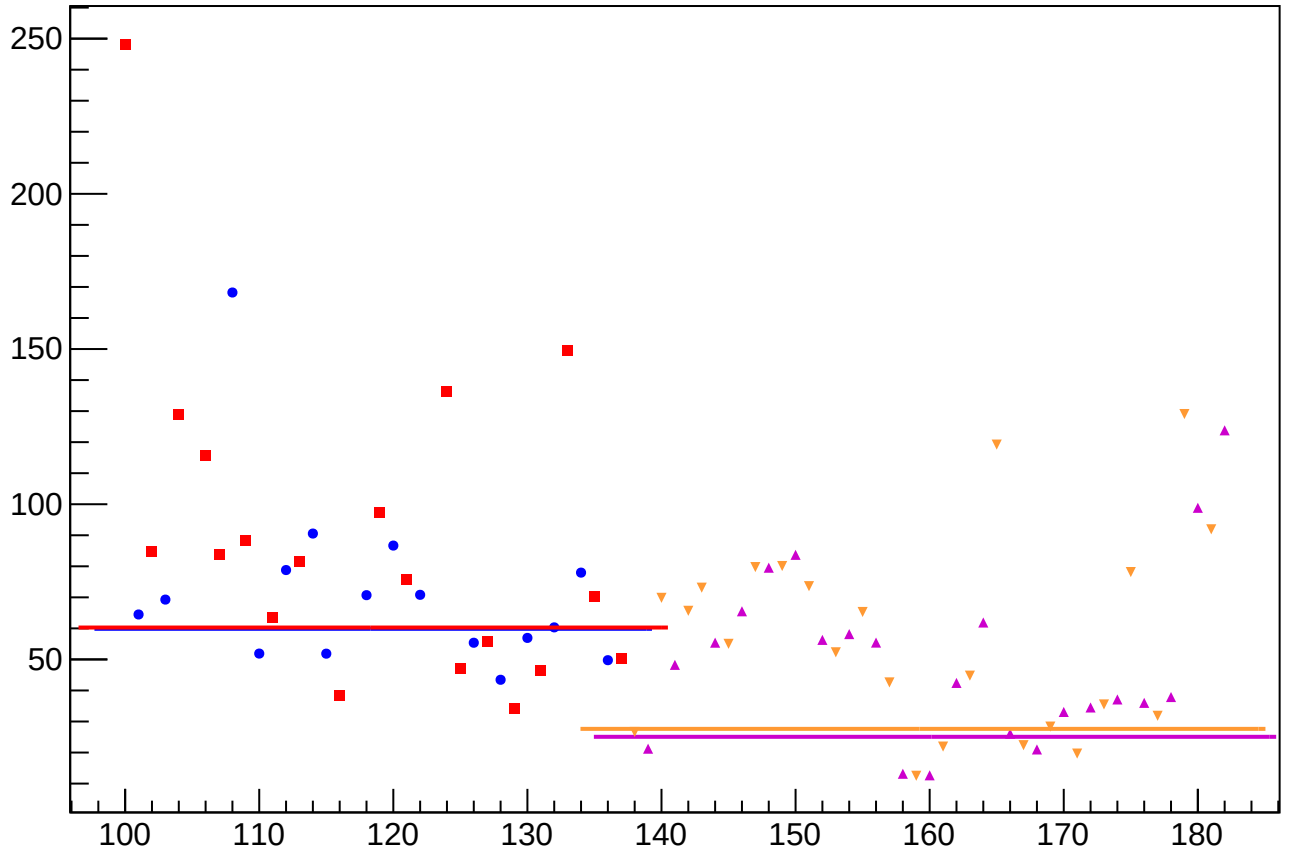
Left: -0.001+/-0.006 χ^2/NDF: 81.1/44

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:41.1/37

Out: 0.001+/-0.008 χ^2/NDF:72.4/41

All: -0.003+/-0.006 χ^2/NDF: 114.1/79



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.631+/-0.006 χ^2/NDF:9968636.2/22

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 25.071+/-0.006 χ^2/NDF:9630398.1/21

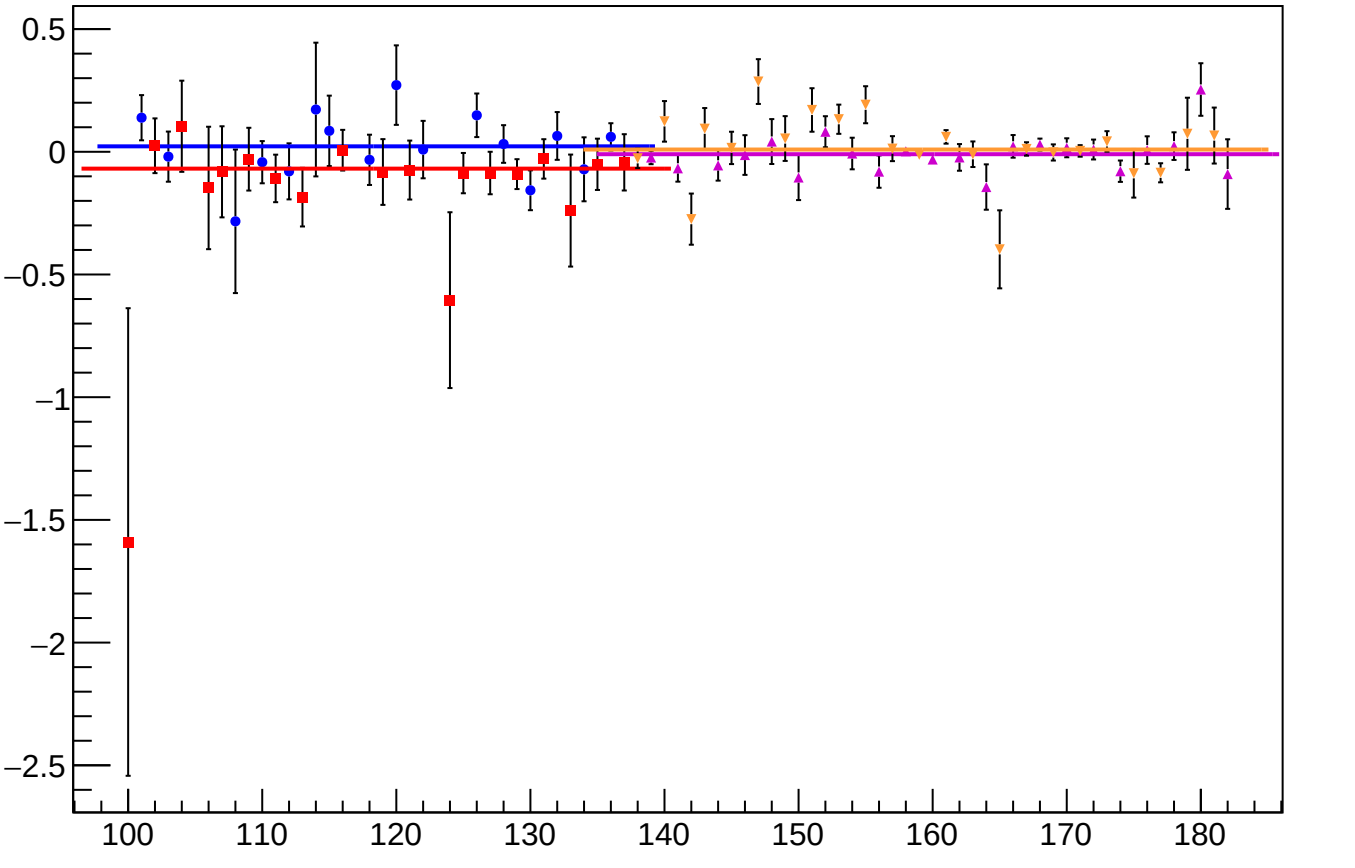
Left: 26.265+/-0.004 χ^2/NDF: 19696178.9/44

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 28.329+/-0.005 χ^2/NDF:13934446.5/37

Out: 30.938+/-0.006 χ^2/NDF:14944070.6/41

All: 29.551+/-0.004 χ^2/NDF: 28990336.6/79



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:54.3/22

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:24.1/21

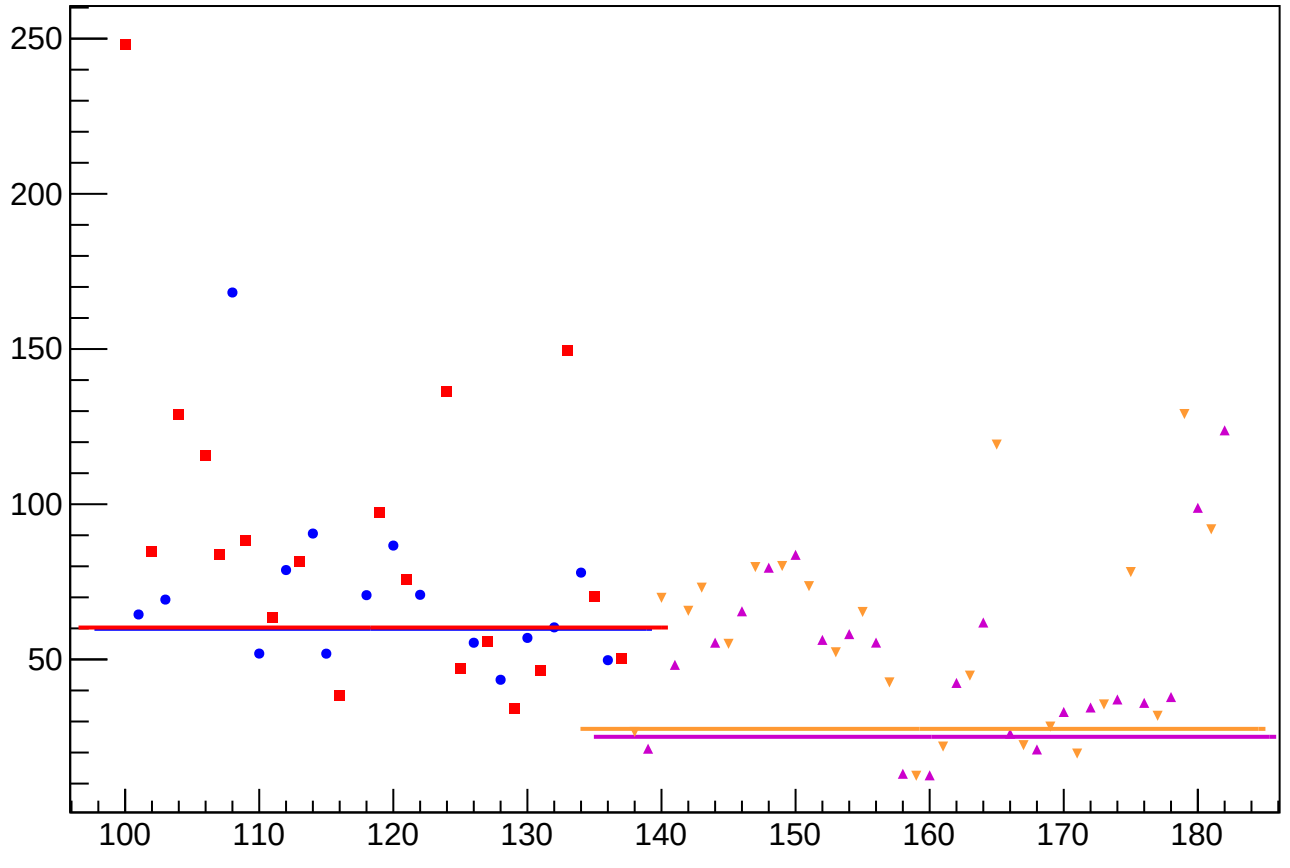
Left: -0.001+/-0.006 χ^2/NDF: 81.1/44

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:41.1/37

Out: 0.001+/-0.008 χ^2/NDF:72.4/41

All: -0.003+/-0.006 χ^2/NDF: 114.1/79



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.631+/-0.006 χ^2/NDF:9968636.2/22

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 25.071+/-0.006 χ^2/NDF:9630398.1/21

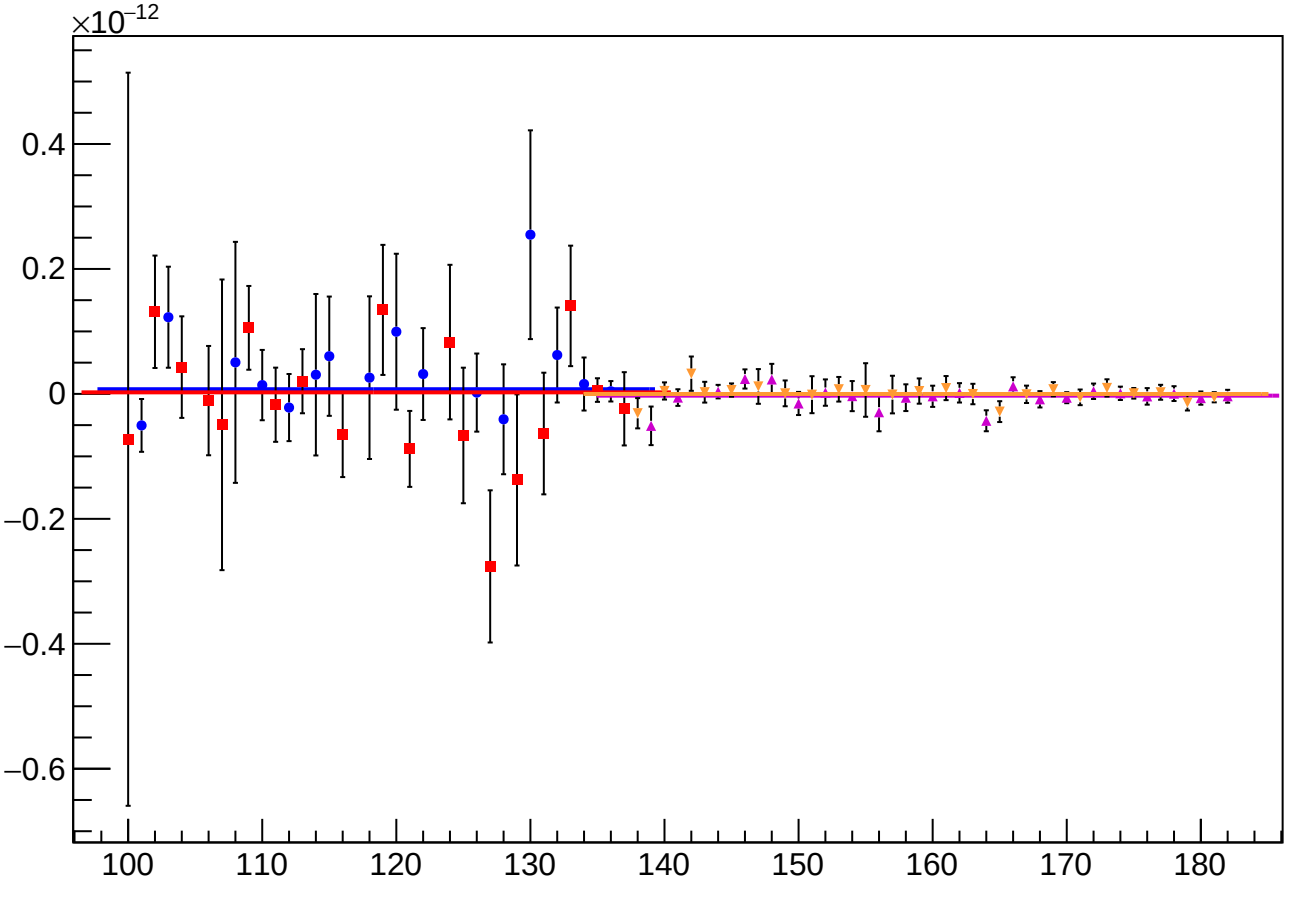
Left: 26.265+/-0.004 χ^2/NDF: 19696178.9/44

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 28.329+/-0.005 χ^2/NDF:13934446.5/37

Out: 30.938+/-0.006 χ^2/NDF:14944070.6/41

All: 29.551+/-0.004 χ^2/NDF: 28990336.6/79



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:16.1/21

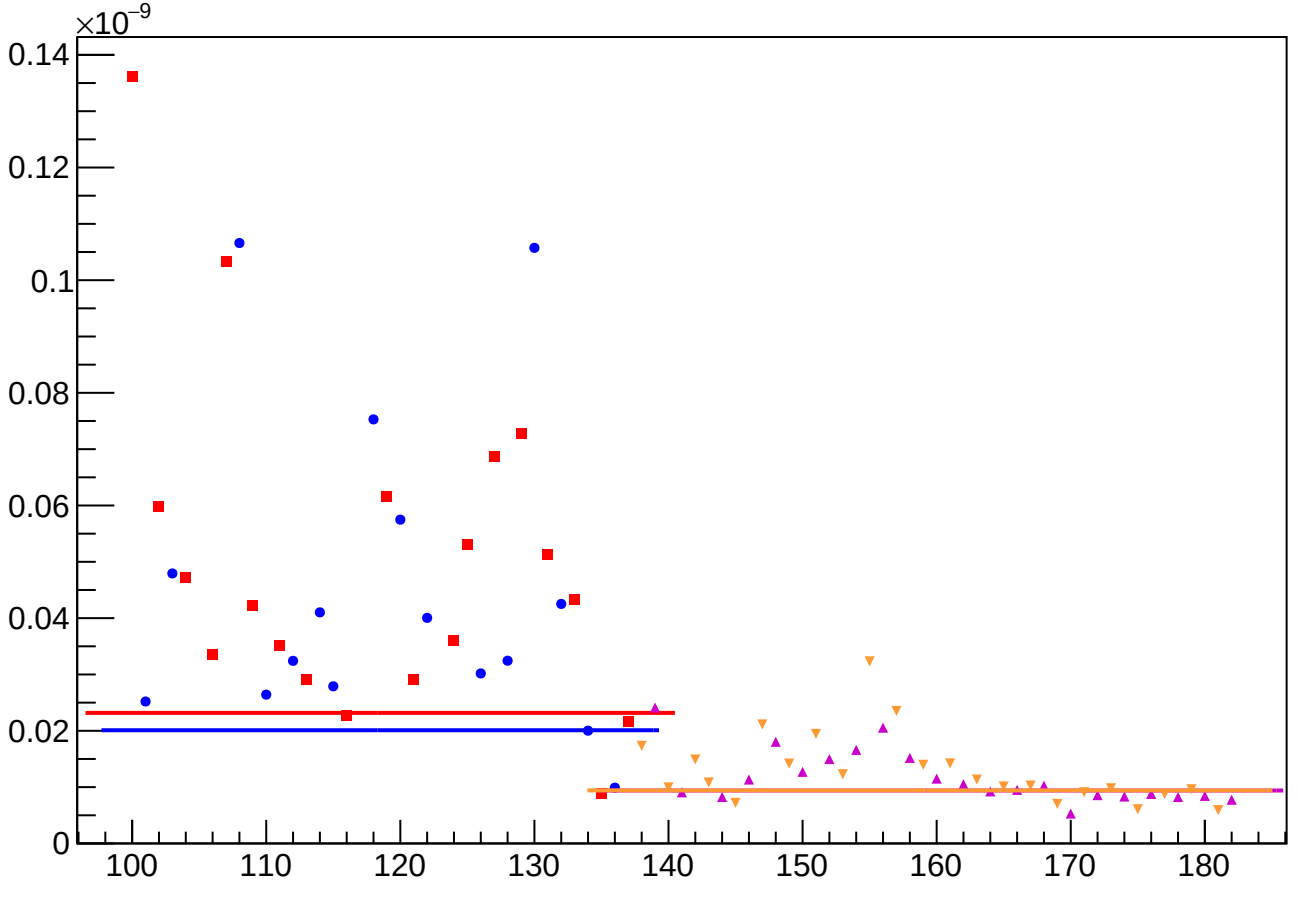
Left: -0.000+/-0.000 χ^2/NDF: 26.4/44

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:25.2/37

Out: -0.000+/-0.000 χ^2/NDF:29.5/41

All: -0.000+/-0.000 χ^2/NDF: 55.0/79



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3179122.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2144855.9/21

Left: 0.000+/-0.000 χ^2/NDF: 5324026.0/44

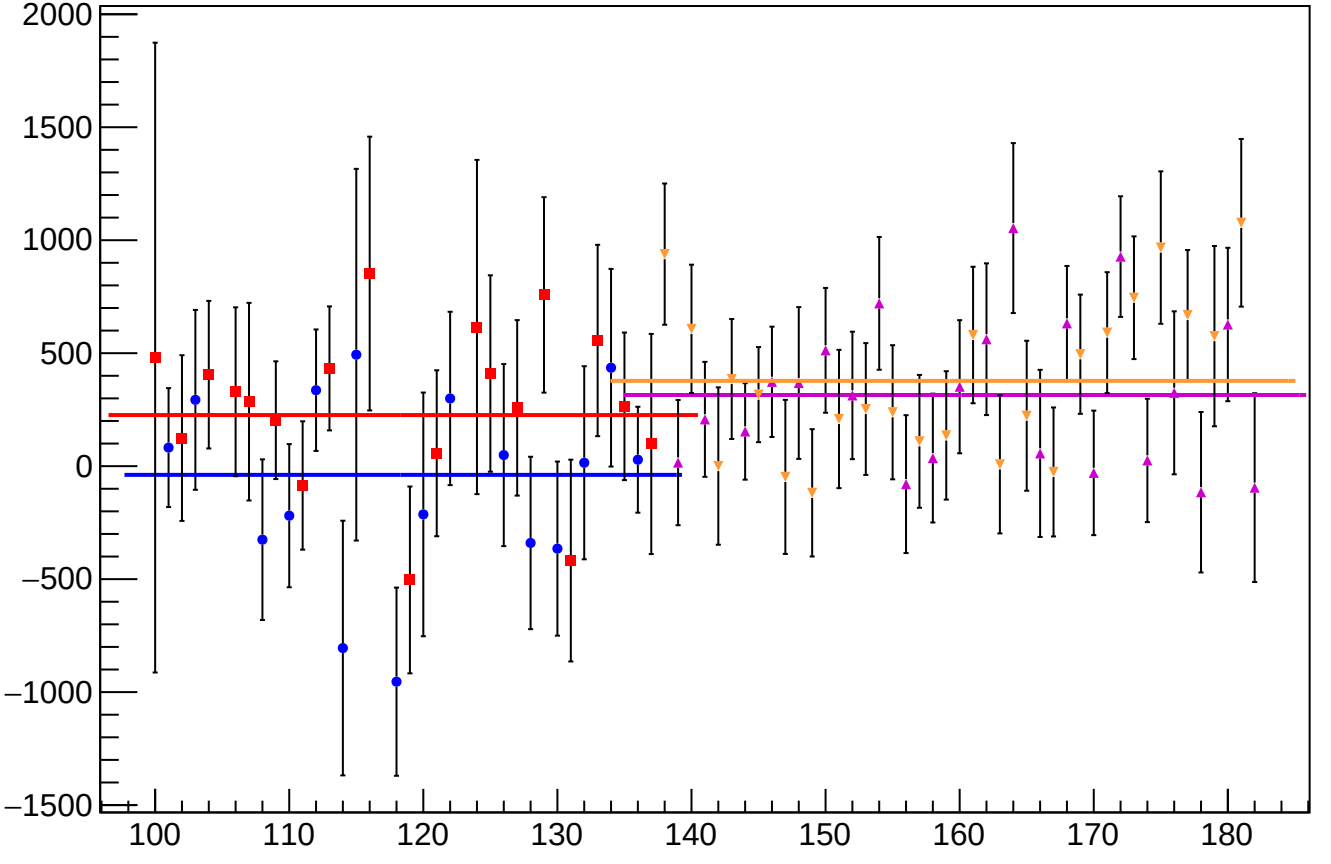
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:6730483.9/37

Out: 0.000+/-0.000 χ^2/NDF:8681249.1/41

All: 0.000+/-0.000 χ^2/NDF: 15412286.7/79

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 377.552+/-61.320 χ^2/NDF:26.7/22

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 314.941+/-62.346 χ^2/NDF:24.7/21

Left: 346.766+/-43.718 χ^2/NDF: 52.0/44

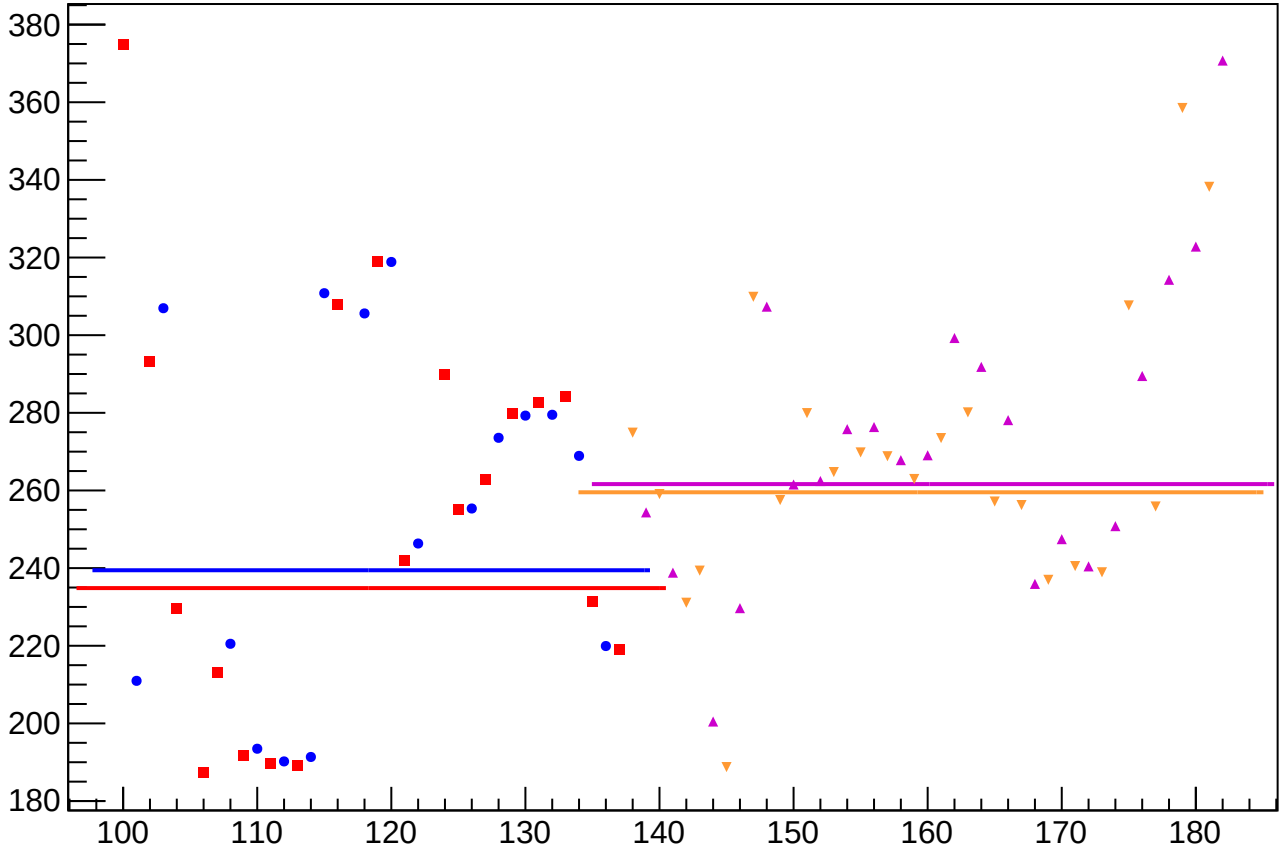
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 201.391+/-51.363 χ^2/NDF:49.5/37

Out: 328.001+/-50.293 χ^2/NDF:40.1/41

All: 266.029+/-35.935 χ^2/NDF: 92.8/79

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 259.534+/-0.043 χ^2/NDF:617902.5/22

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 261.641+/-0.044 χ^2/NDF:605032.1/21

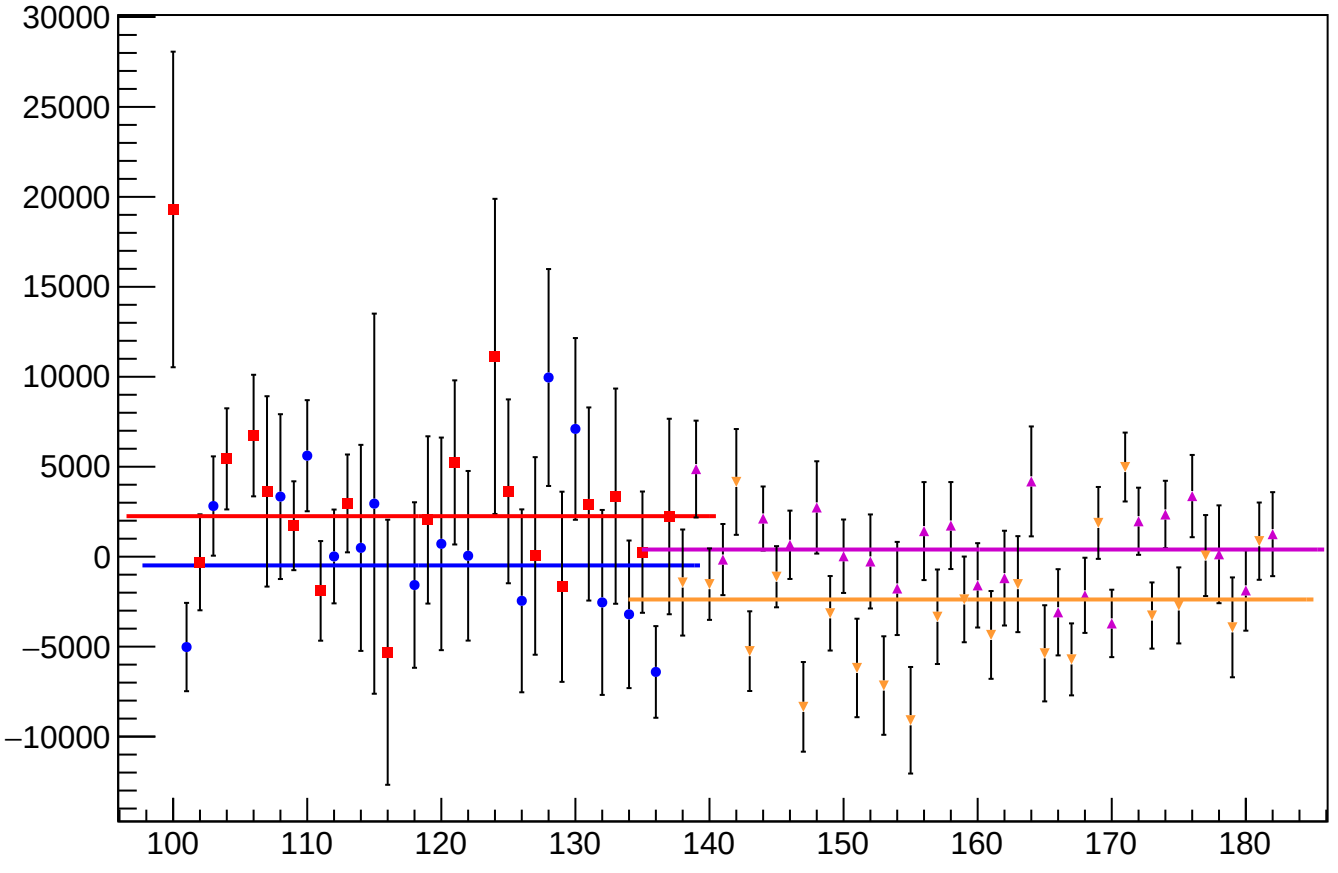
Left: 260.570+/-0.031 χ^2/NDF: 1224096.2/44

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 254.512+/-0.036 χ^2/NDF:1087401.8/37

Out: 251.456+/-0.036 χ^2/NDF:1205653.8/41

All: 252.952+/-0.025 χ^2/NDF: 2296669.1/79



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2379.145+/-475.902 χ^2/NDF:51.7/22

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 397.849+/-477.620 χ^2/NDF:21.6/21

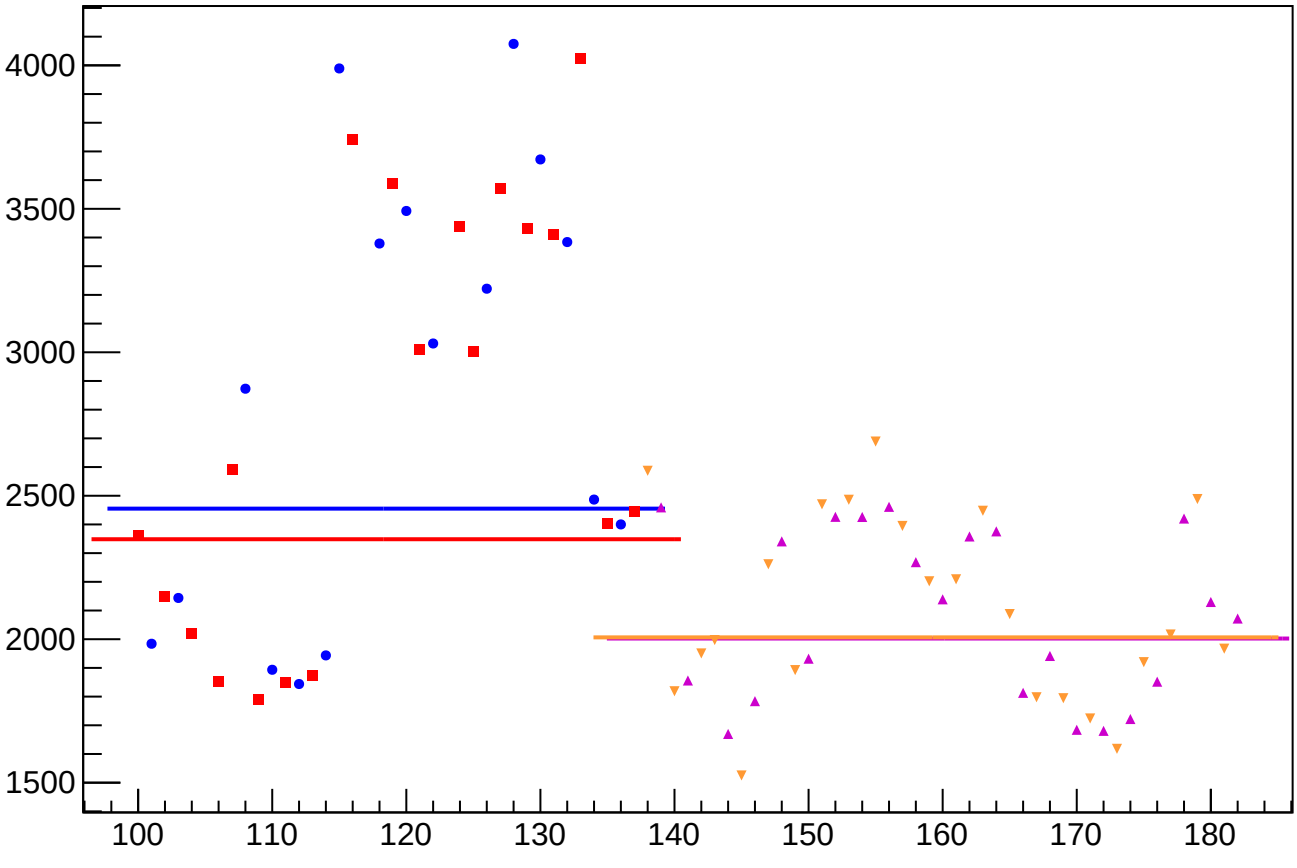
Left: -995.651+/-337.119 χ^2/NDF: 90.2/44

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 218.768+/-426.494 χ^2/NDF:43.4/37

Out: -1356.896+/-420.107 χ^2/NDF:86.5/41

All: -580.951+/-299.293 χ^2/NDF: 136.8/79



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2006.395+/-0.337 χ^2/NDF:877392.6/22

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2002.384+/-0.338 χ^2/NDF:702862.2/21

Left: 2004.396+/-0.238 χ^2/NDF: 1580325.6/44

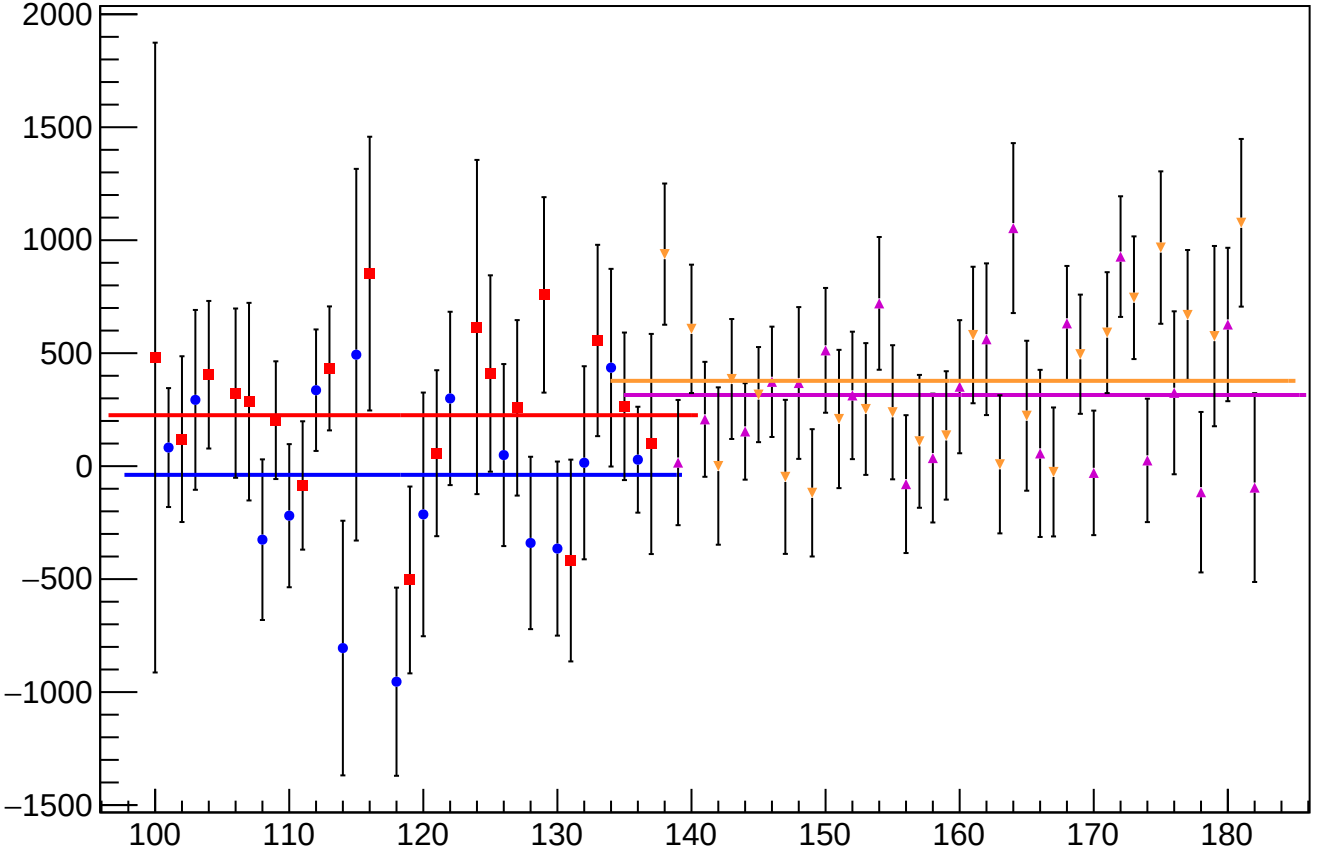
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2094.118+/-0.302 χ^2/NDF:1961357.1/37

Out: 2081.898+/-0.297 χ^2/NDF:2157877.4/41

All: 2087.916+/-0.212 χ^2/NDF: 4120067.8/79

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 377.566+/-61.320 χ^2/NDF:26.7/22

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 314.948+/-62.346 χ^2/NDF:24.7/21

Left: 346.776+/-43.718 χ^2/NDF: 52.0/44

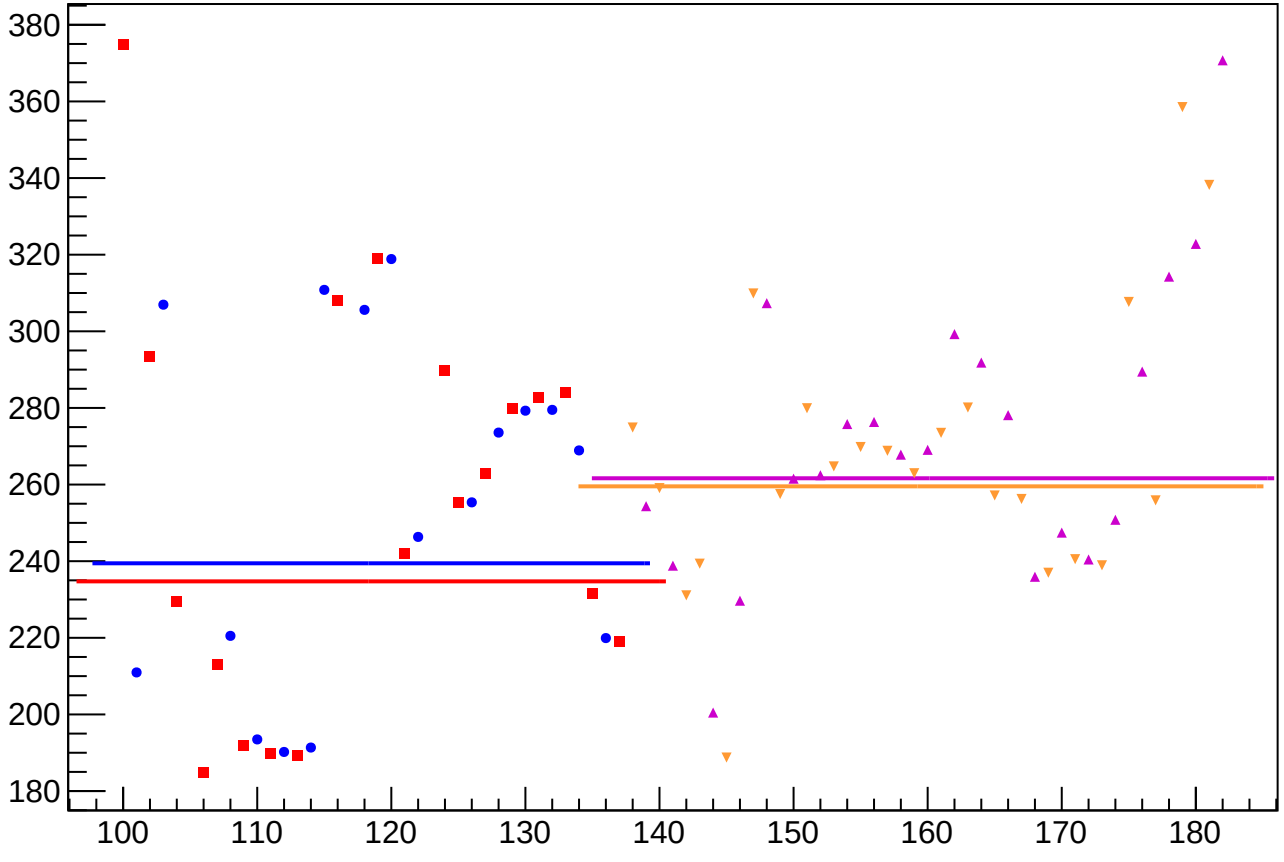
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 201.388+/-51.363 χ^2/NDF:49.5/37

Out: 327.808+/-50.296 χ^2/NDF:40.2/41

All: 265.925+/-35.936 χ^2/NDF: 92.8/79

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 259.534+/-0.043 χ^2/NDF:617902.5/22

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 261.641+/-0.044 χ^2/NDF:605032.1/21

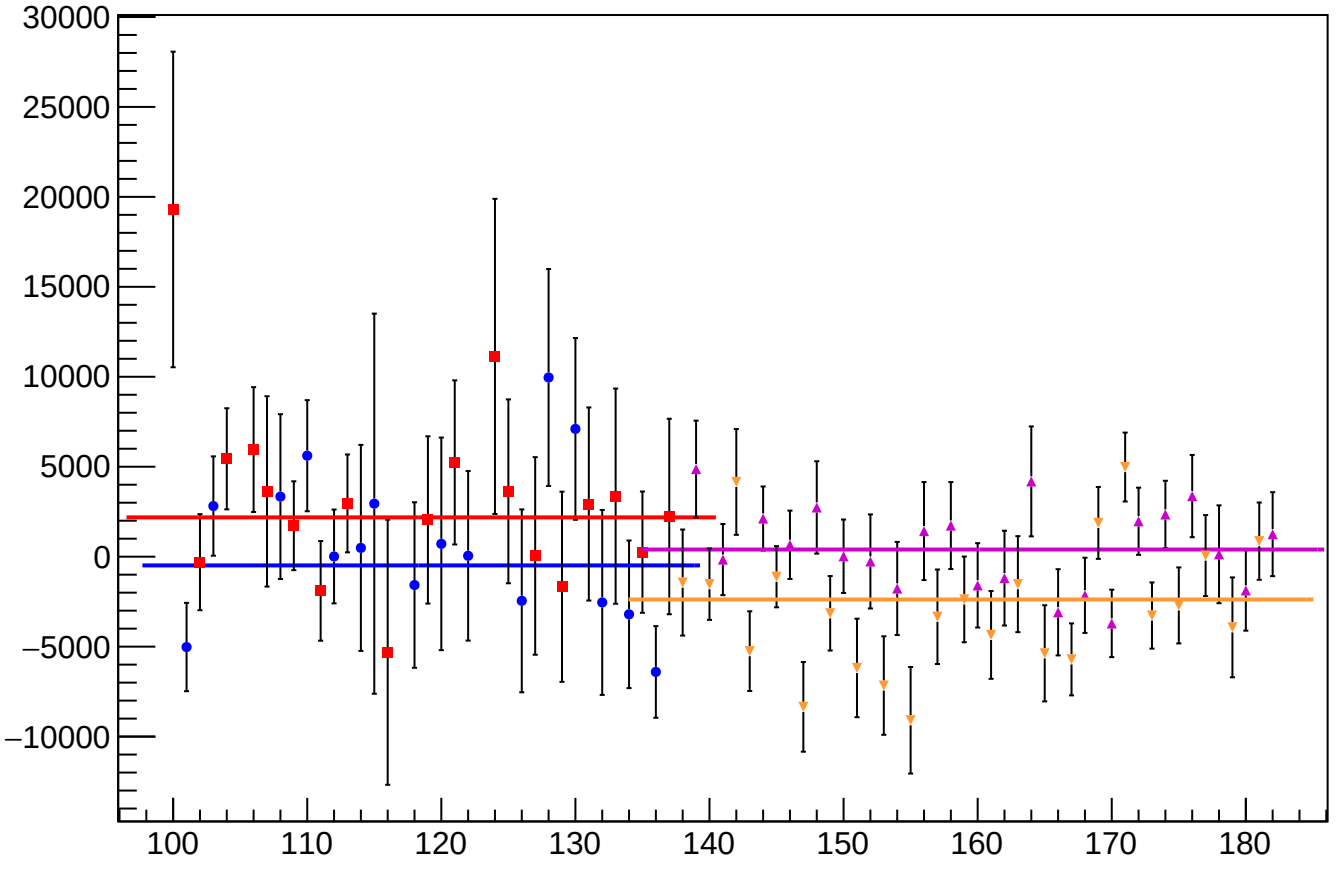
Left: 260.570+/-0.031 χ^2/NDF: 1224096.3/44

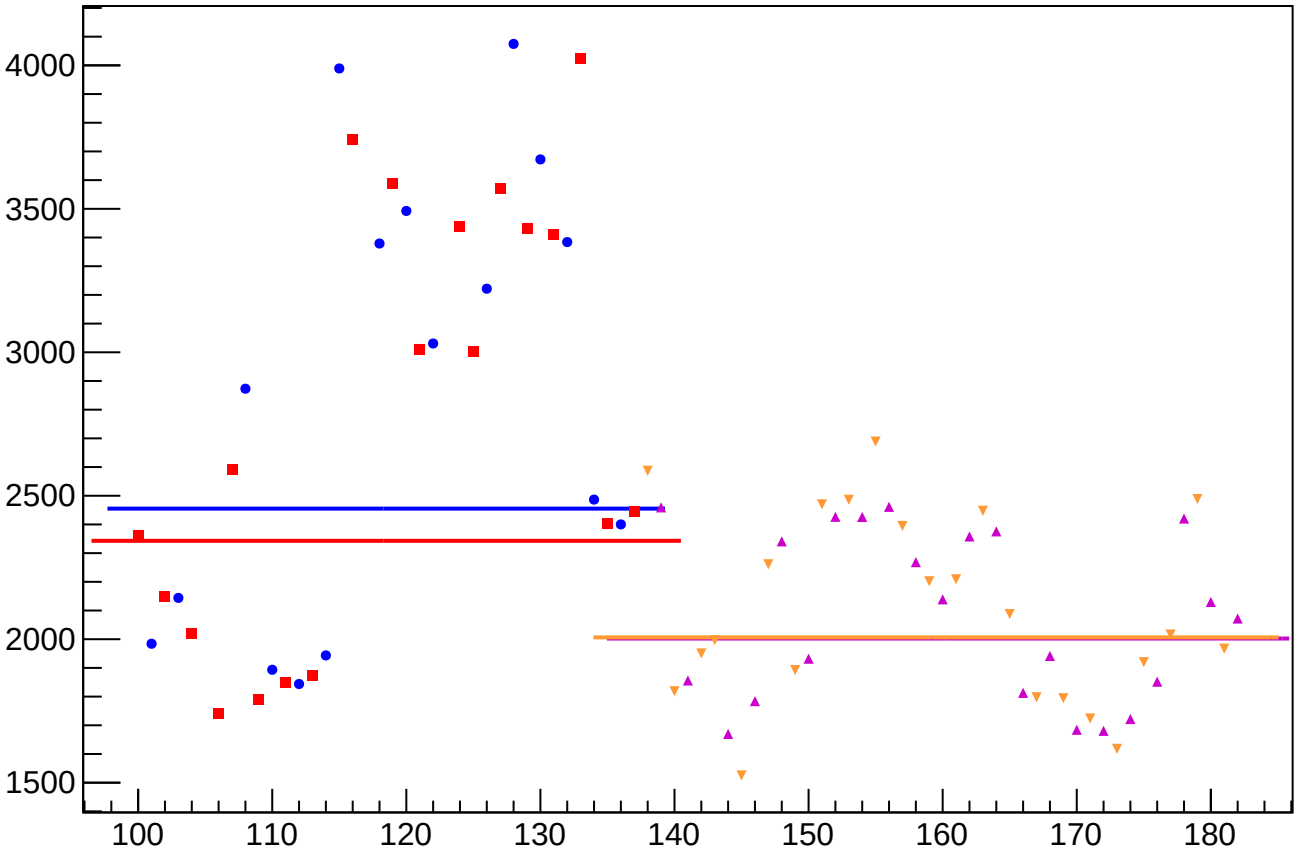
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 254.512+/-0.036 χ^2/NDF:1087403.8/37

Out: 251.418+/-0.036 χ^2/NDF:1210202.9/41

All: 252.932+/-0.025 χ^2/NDF: 2301310.9/79


asym_sam4_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -486.103+/-947.467 χ²/NDF: 21.1/15
Left Out: -2379.131+/-475.902 χ²/NDF:51.7/22
Right Out: 2184.834+/-895.863 χ²/NDF: 13.3/18
Left In: 397.856+/-477.620 χ²/NDF:21.6/21
Left: -995.640+/-337.119 χ²/NDF: 90.2/44
Right: 924.081+/-650.950 χ²/NDF: 38.6/34
In: 218.742+/-426.494 χ²/NDF:43.4/37
Out: -1374.653+/-420.282 χ²/NDF:85.2/41
All: -589.646+/-299.356 χ²/NDF: 135.7/79



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2006.394+/-0.337 χ^2/NDF:877393.2/22

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2002.384+/-0.338 χ^2/NDF:702862.9/21

Left: 2004.396+/-0.238 χ^2/NDF: 1580326.8/44

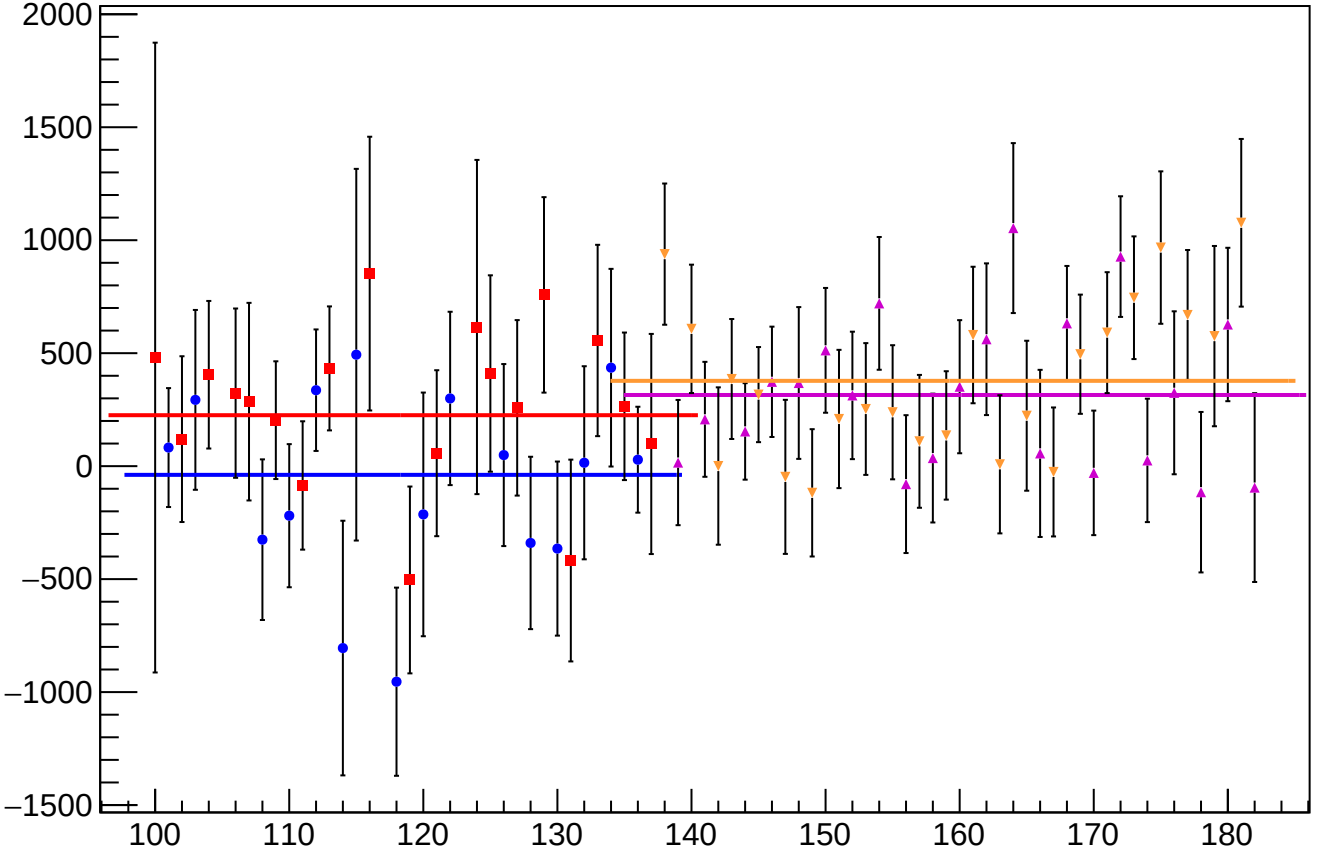
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2094.122+/-0.302 χ^2/NDF:1961359.9/37

Out: 2080.468+/-0.297 χ^2/NDF:2167931.5/41

All: 2087.195+/-0.212 χ^2/NDF: 4130331.5/79

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 377.566+/-61.320 χ^2/NDF:26.7/22

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 314.948+/-62.346 χ^2/NDF:24.7/21

Left: 346.776+/-43.718 χ^2/NDF: 52.0/44

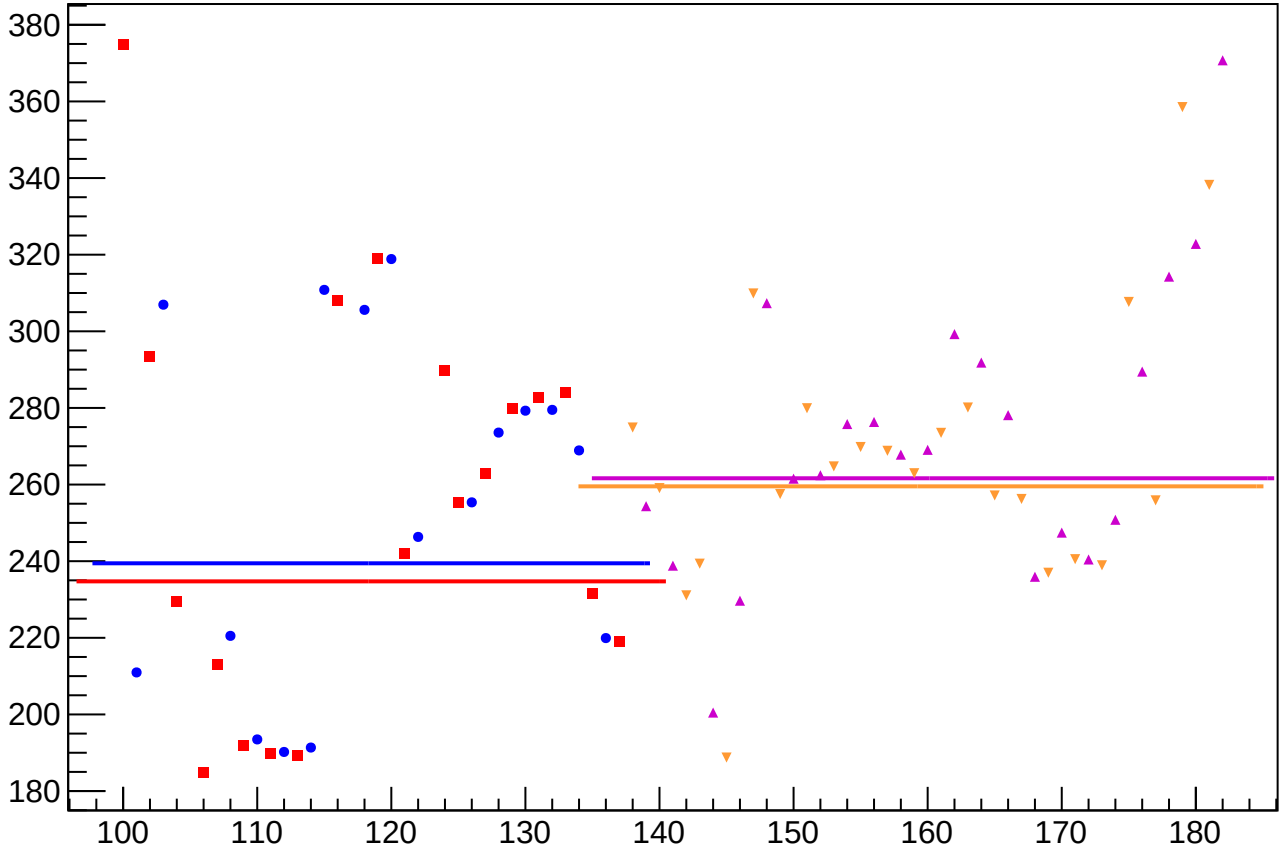
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 201.388+/-51.363 χ^2/NDF:49.5/37

Out: 327.808+/-50.296 χ^2/NDF:40.2/41

All: 265.925+/-35.936 χ^2/NDF: 92.8/79

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 259.534+/-0.043 χ^2/NDF:617902.5/22

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 261.641+/-0.044 χ^2/NDF:605032.1/21

Left: 260.570+/-0.031 χ^2/NDF: 1224096.3/44

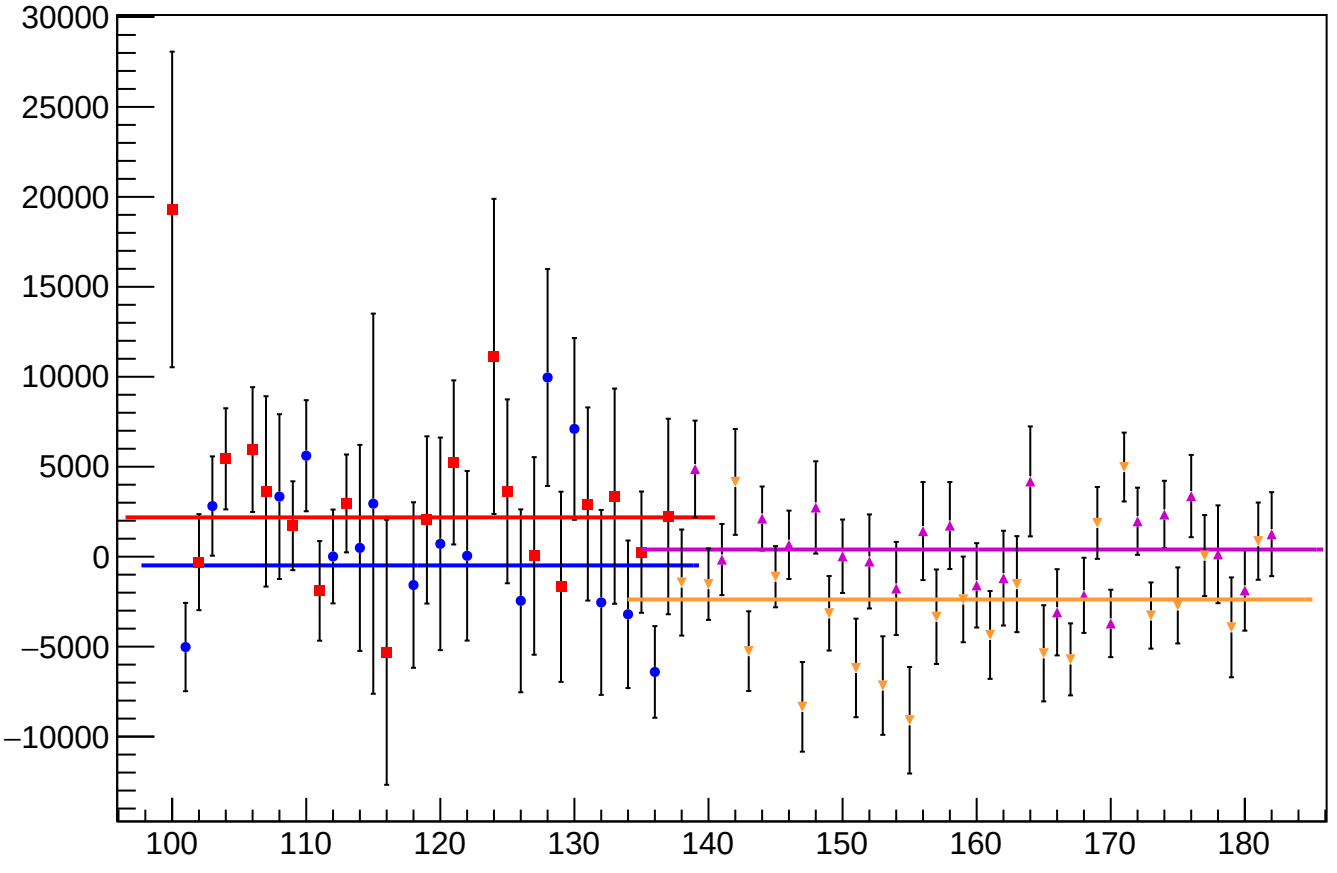
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 254.512+/-0.036 χ^2/NDF:1087403.8/37

Out: 251.418+/-0.036 χ^2/NDF:1210202.9/41

All: 252.932+/-0.025 χ^2/NDF: 2301310.9/79

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2379.131+/-475.902 χ^2/NDF:51.7/22

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 397.856+/-477.620 χ^2/NDF:21.6/21

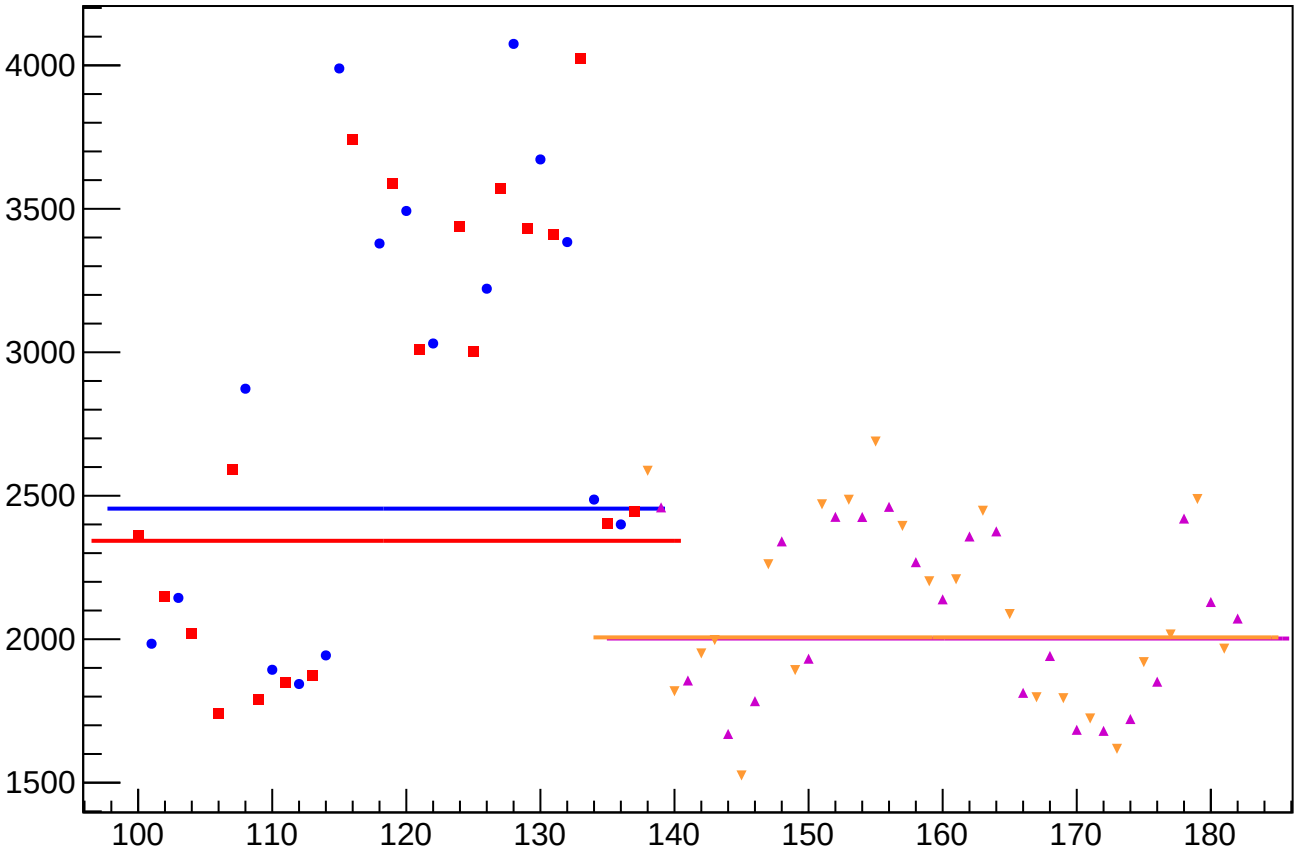
Left: -995.640+/-337.119 χ^2/NDF: 90.2/44

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 218.742+/-426.494 χ^2/NDF:43.4/37

Out: -1374.653+/-420.282 χ^2/NDF:85.2/41

All: -589.646+/-299.356 χ^2/NDF: 135.7/79



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2006.394+/-0.337 χ^2/NDF:877393.2/22

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2002.384+/-0.338 χ^2/NDF:702862.9/21

Left: 2004.396+/-0.238 χ^2/NDF: 1580326.8/44

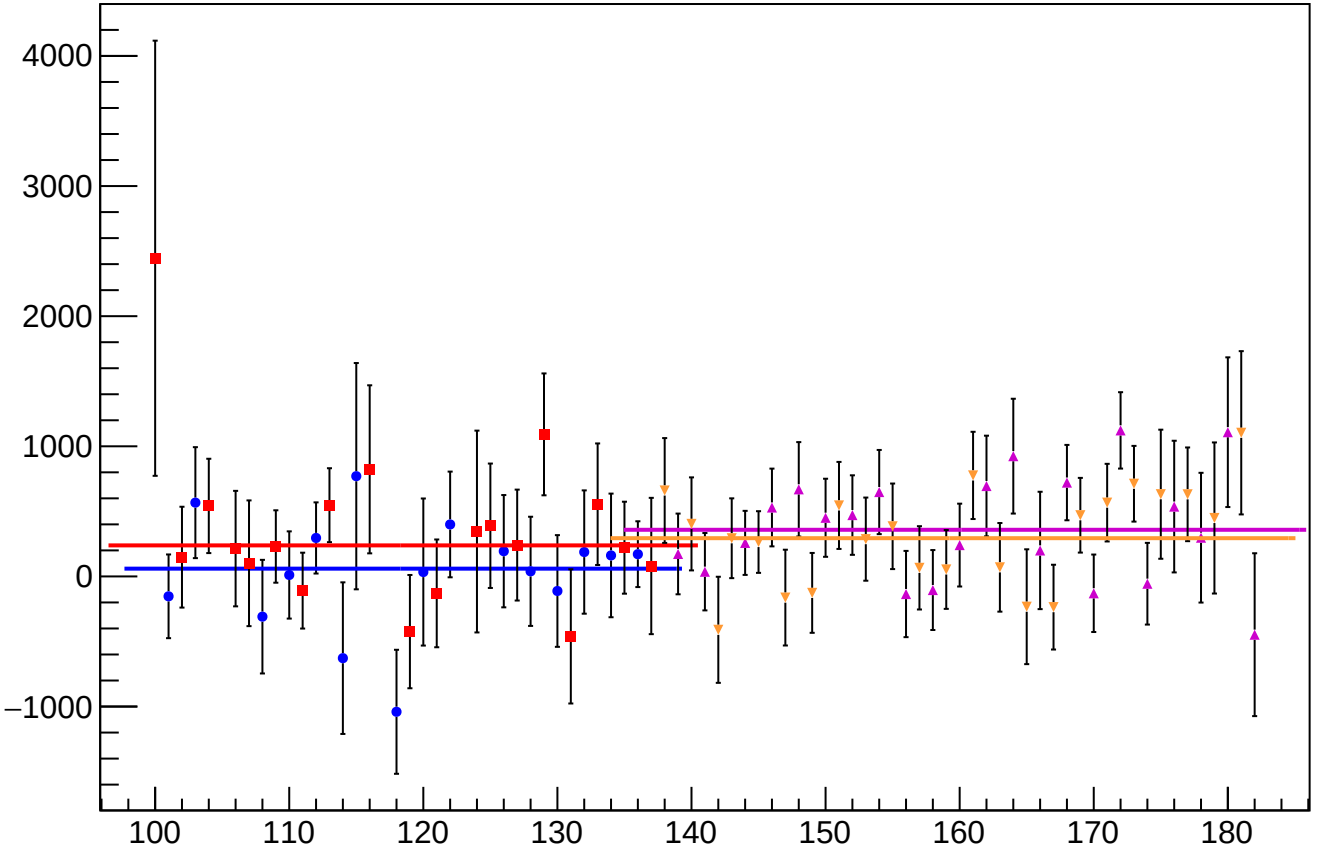
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2094.122+/-0.302 χ^2/NDF:1961359.9/37

Out: 2080.468+/-0.297 χ^2/NDF:2167931.5/41

All: 2087.195+/-0.212 χ^2/NDF: 4130331.5/79

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 293.900+/-70.772 χ^2/NDF:22.1/22

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 358.423+/-71.950 χ^2/NDF:27.2/21

Left: 325.629+/-50.455 χ^2/NDF: 49.7/44

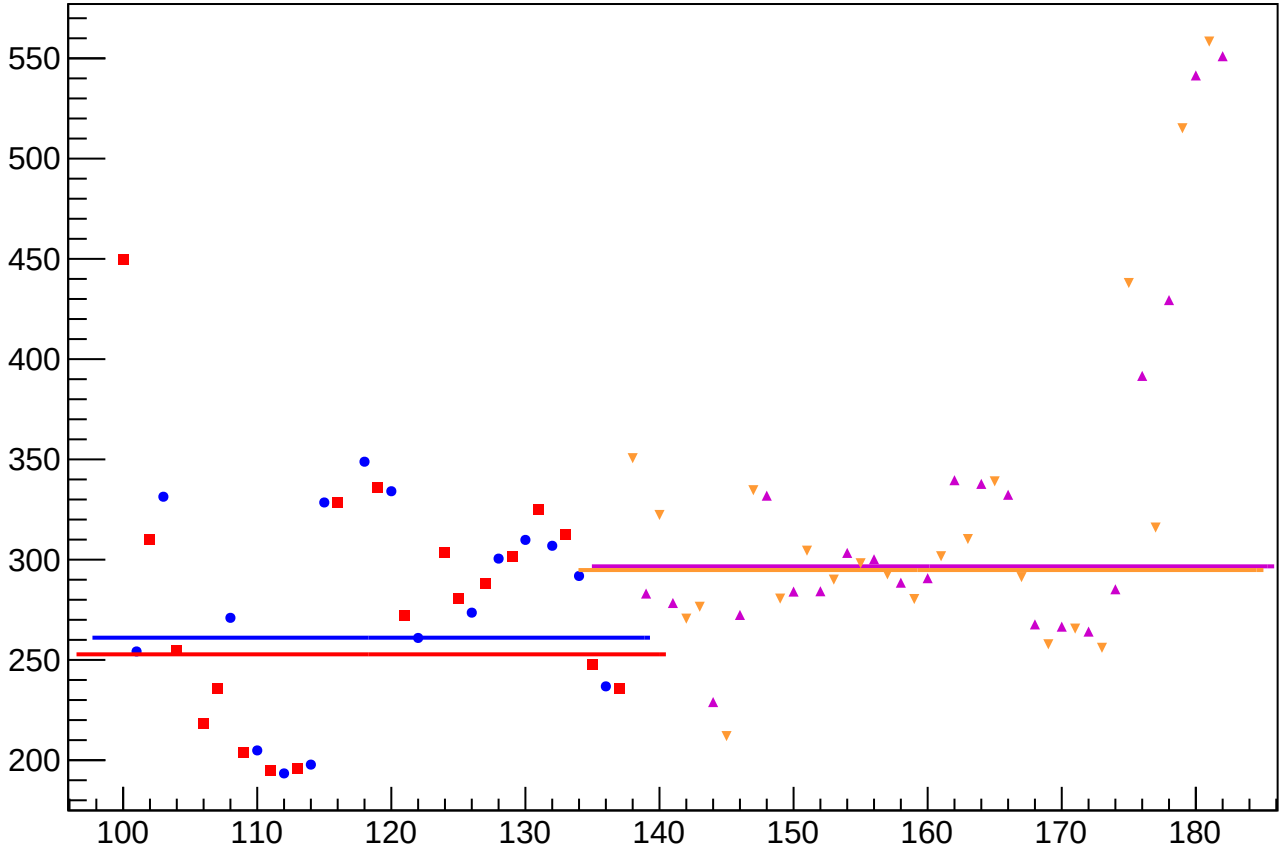
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 255.498+/-58.249 χ^2/NDF:45.2/37

Out: 274.150+/-56.768 χ^2/NDF:37.2/41

All: 265.064+/-40.654 χ^2/NDF: 82.4/79

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 294.816+/-0.050 χ^2/NDF:1270960.0/22

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 296.670+/-0.051 χ^2/NDF:1231936.2/21

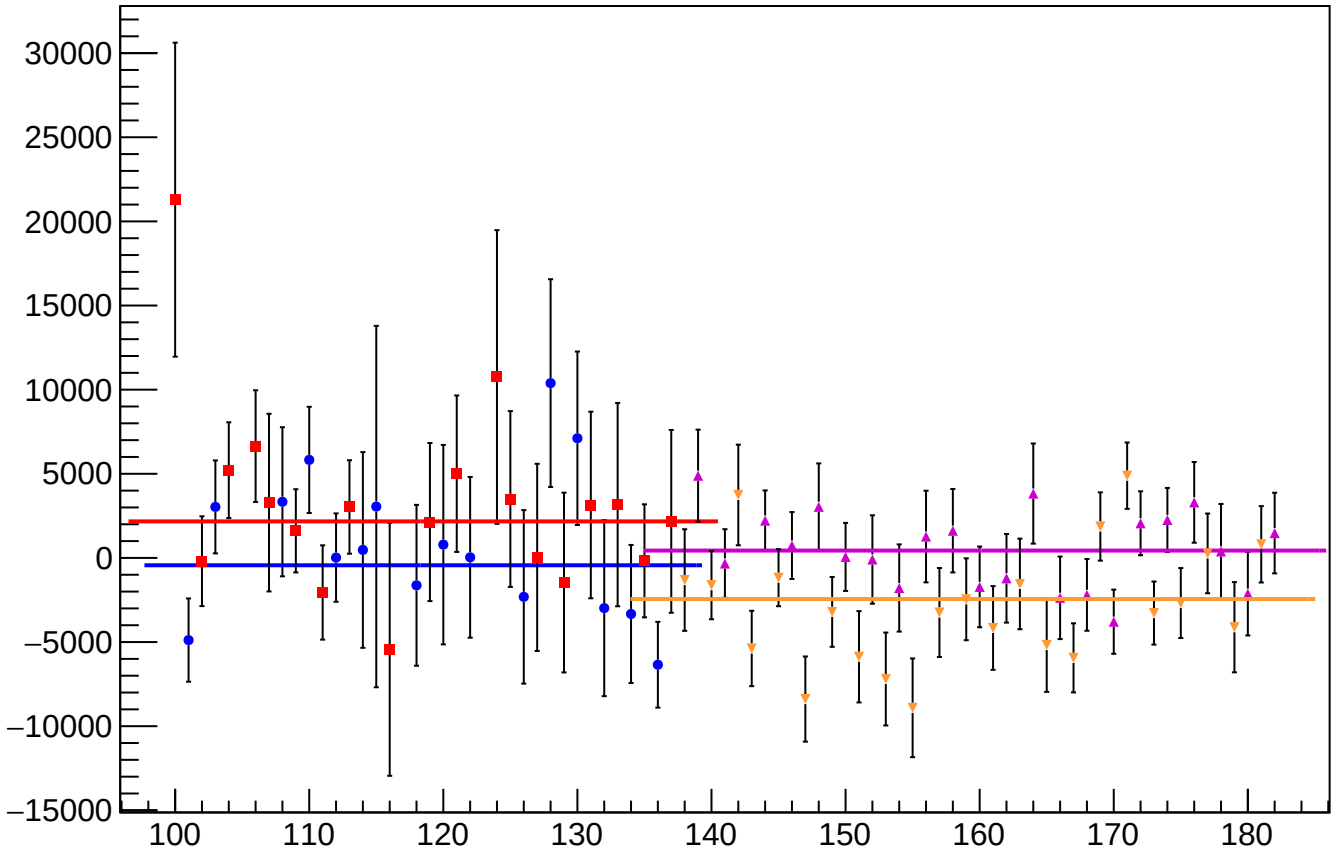
Left: 295.728+/-0.036 χ^2/NDF: 2503570.8/44

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 284.409+/-0.041 χ^2/NDF:1863135.3/37

Out: 279.829+/-0.040 χ^2/NDF:2059783.0/41

All: 282.060+/-0.029 χ^2/NDF: 3929261.4/79



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2443.837+/-482.852 χ^2/NDF:48.8/22

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 437.884+/-487.637 χ^2/NDF:20.5/21

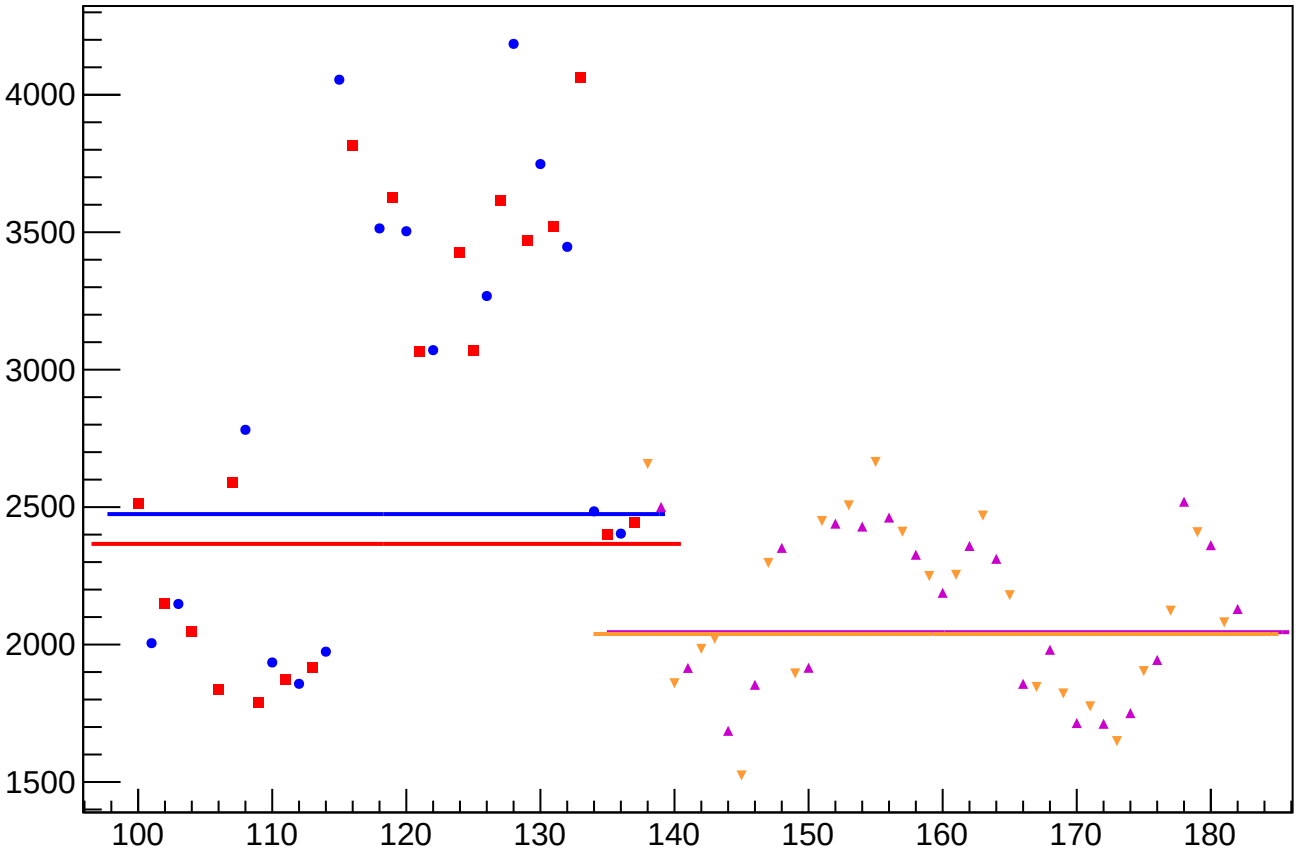
Left: -1017.185+/-343.107 χ^2/NDF: 86.9/44

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 257.047+/-434.309 χ^2/NDF:42.4/37

Out: -1414.124+/-425.601 χ^2/NDF:83.2/41

All: -595.460+/-303.977 χ^2/NDF: 133.1/79



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2038.475+/-0.341 χ^2/NDF:847612.3/22

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2045.010+/-0.345 χ^2/NDF:690205.3/21

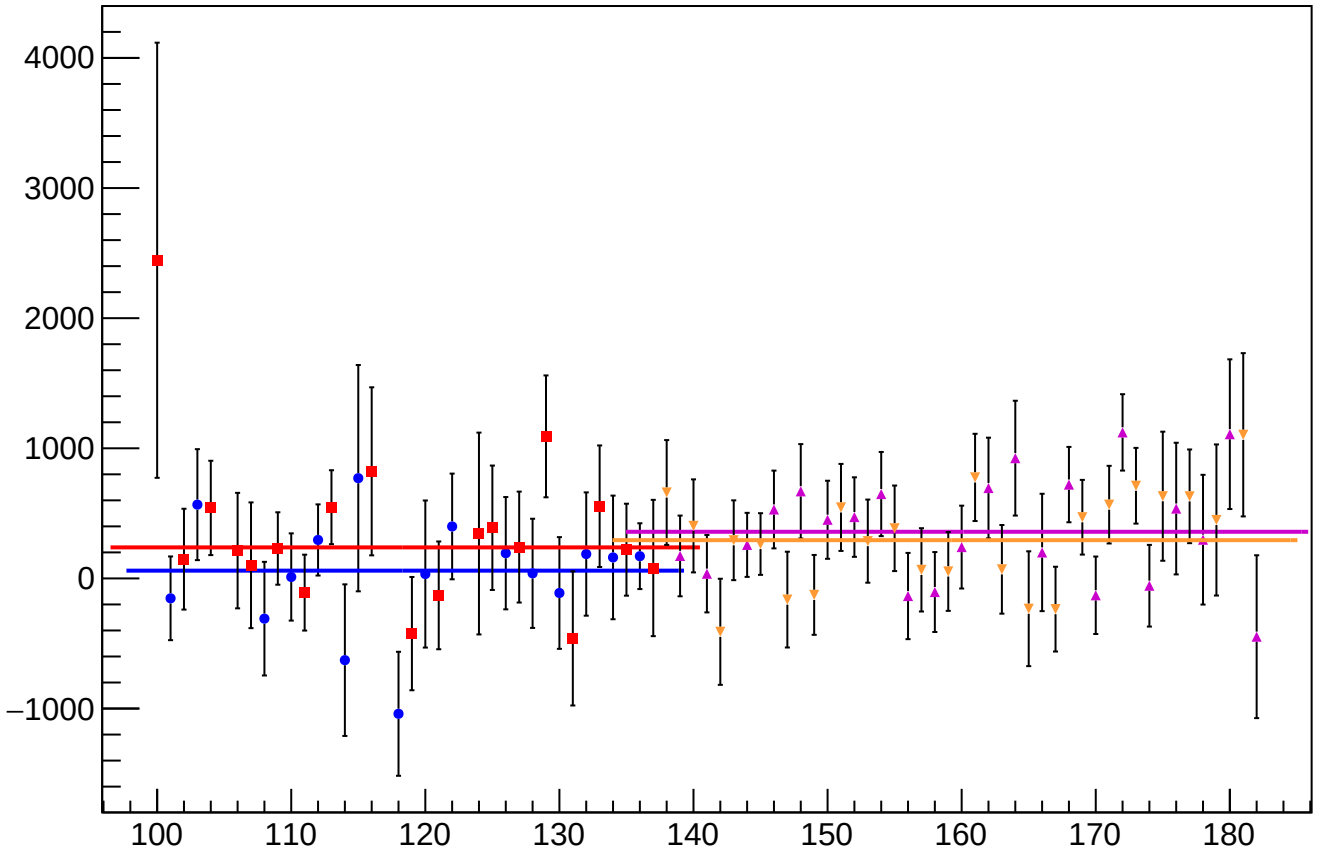
Left: 2041.711+/-0.243 χ^2/NDF: 1537998.9/44

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2133.837+/-0.307 χ^2/NDF:1927421.0/37

Out: 2111.588+/-0.301 χ^2/NDF:2130345.2/41

All: 2122.488+/-0.215 χ^2/NDF: 4060443.8/79



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 293.905+/-70.772 χ^2/NDF:22.1/22

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 358.424+/-71.950 χ^2/NDF:27.2/21

Left: 325.632+/-50.455 χ^2/NDF: 49.7/44

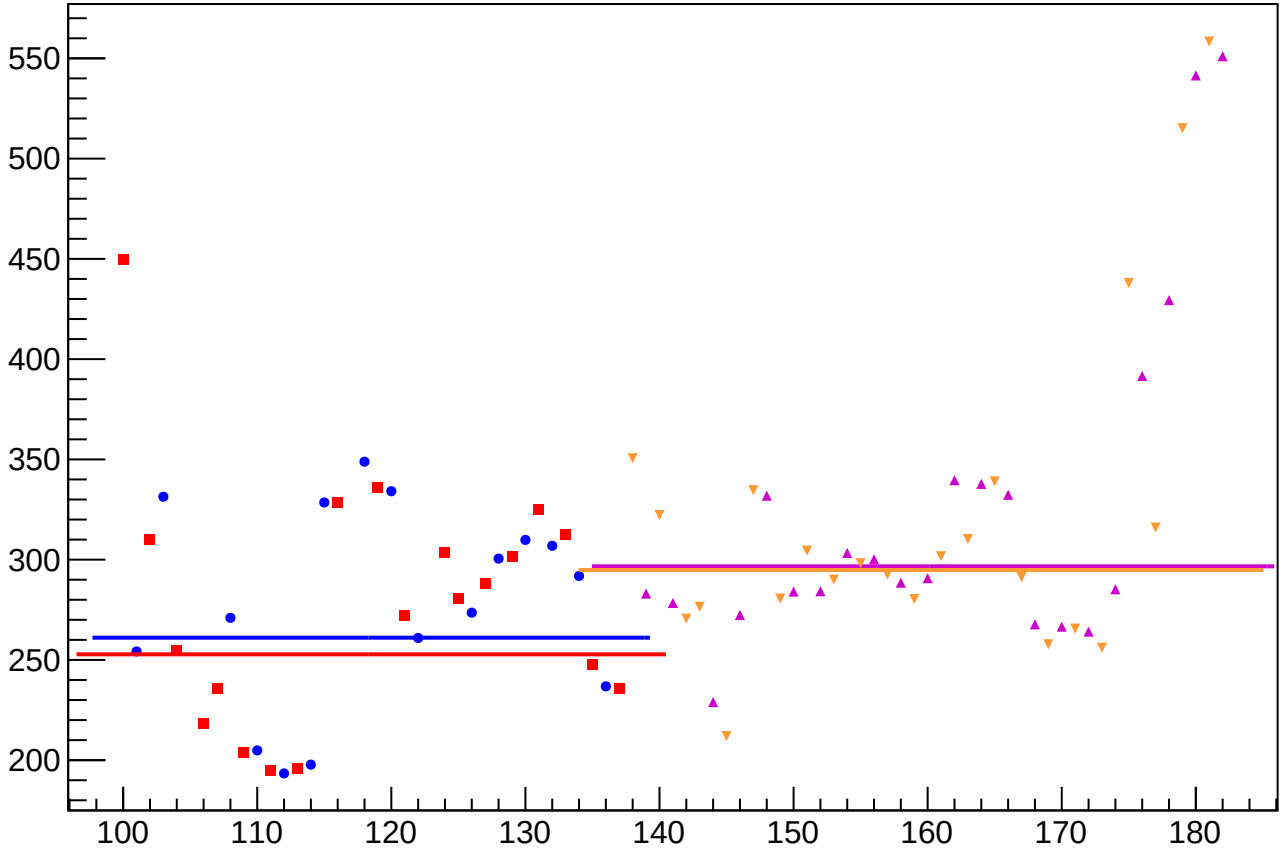
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 255.500+/-58.249 χ^2/NDF:45.2/37

Out: 274.153+/-56.768 χ^2/NDF:37.2/41

All: 265.067+/-40.654 χ^2/NDF: 82.4/79

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 294.816+/-0.050 χ^2/NDF:1270958.6/22

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 296.670+/-0.051 χ^2/NDF:1231916.9/21

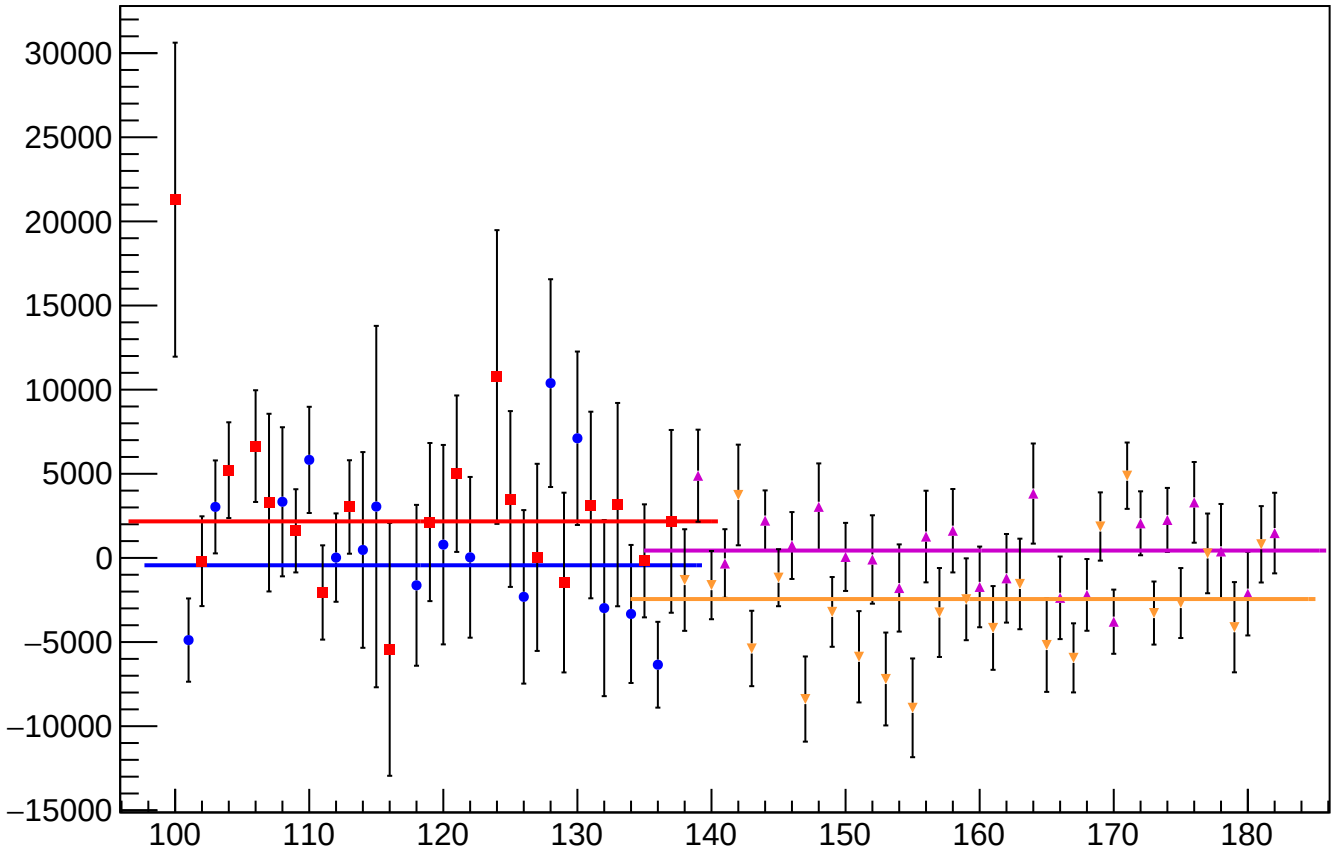
Left: 295.728+/-0.036 χ^2/NDF: 2503550.0/44

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 284.409+/-0.041 χ^2/NDF:1863120.8/37

Out: 279.829+/-0.040 χ^2/NDF:2059788.5/41

All: 282.060+/-0.029 χ^2/NDF: 3929252.5/79



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2443.831+/-482.851 χ^2/NDF:48.8/22

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 437.881+/-487.636 χ^2/NDF:20.5/21

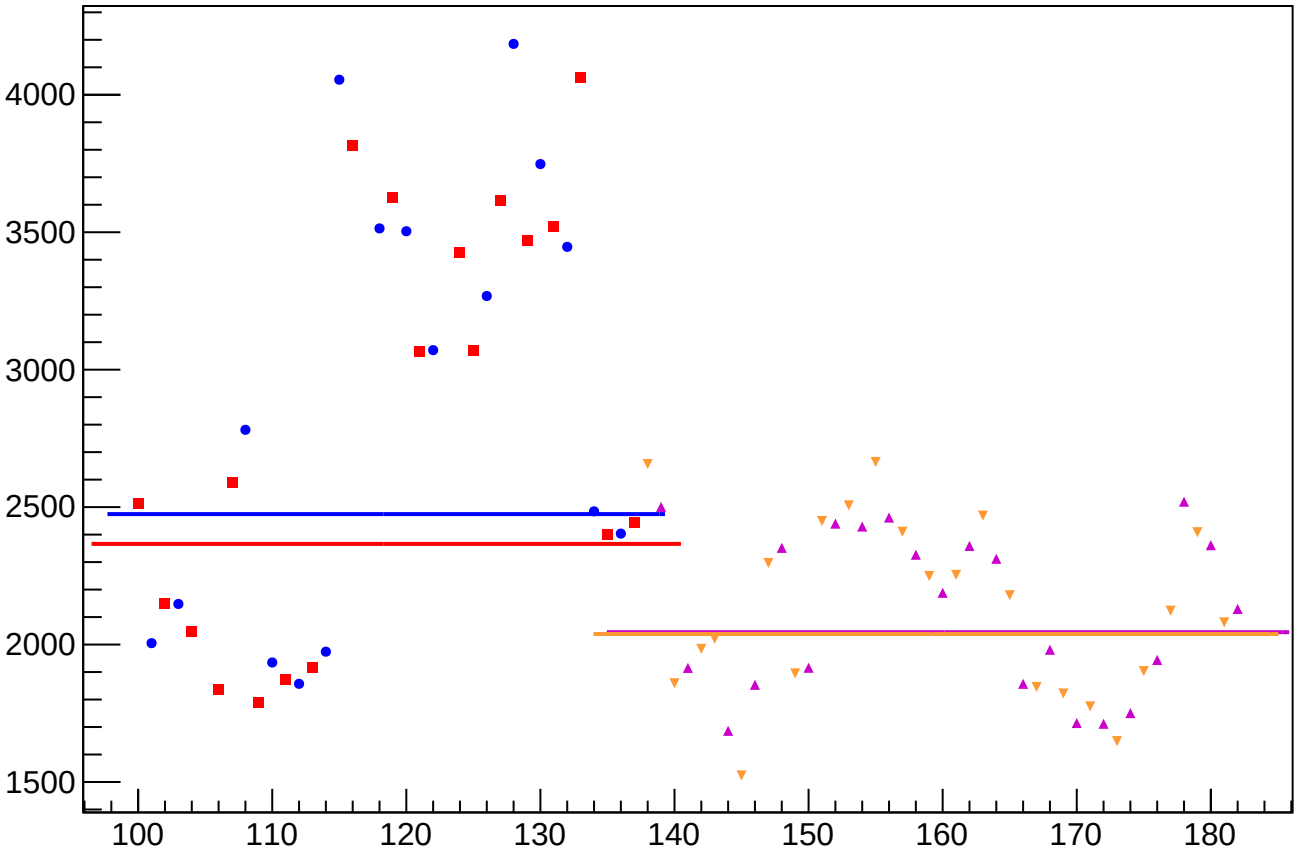
Left: -1017.184+/-343.107 χ^2/NDF: 86.9/44

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 257.046+/-434.308 χ^2/NDF:42.4/37

Out: -1414.122+/-425.600 χ^2/NDF:83.2/41

All: -595.460+/-303.977 χ^2/NDF: 133.1/79



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2038.472+/-0.341 χ^2/NDF:847614.4/22

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2045.008+/-0.345 χ^2/NDF:690203.8/21

Left: 2041.708+/-0.243 χ^2/NDF: 1537999.6/44

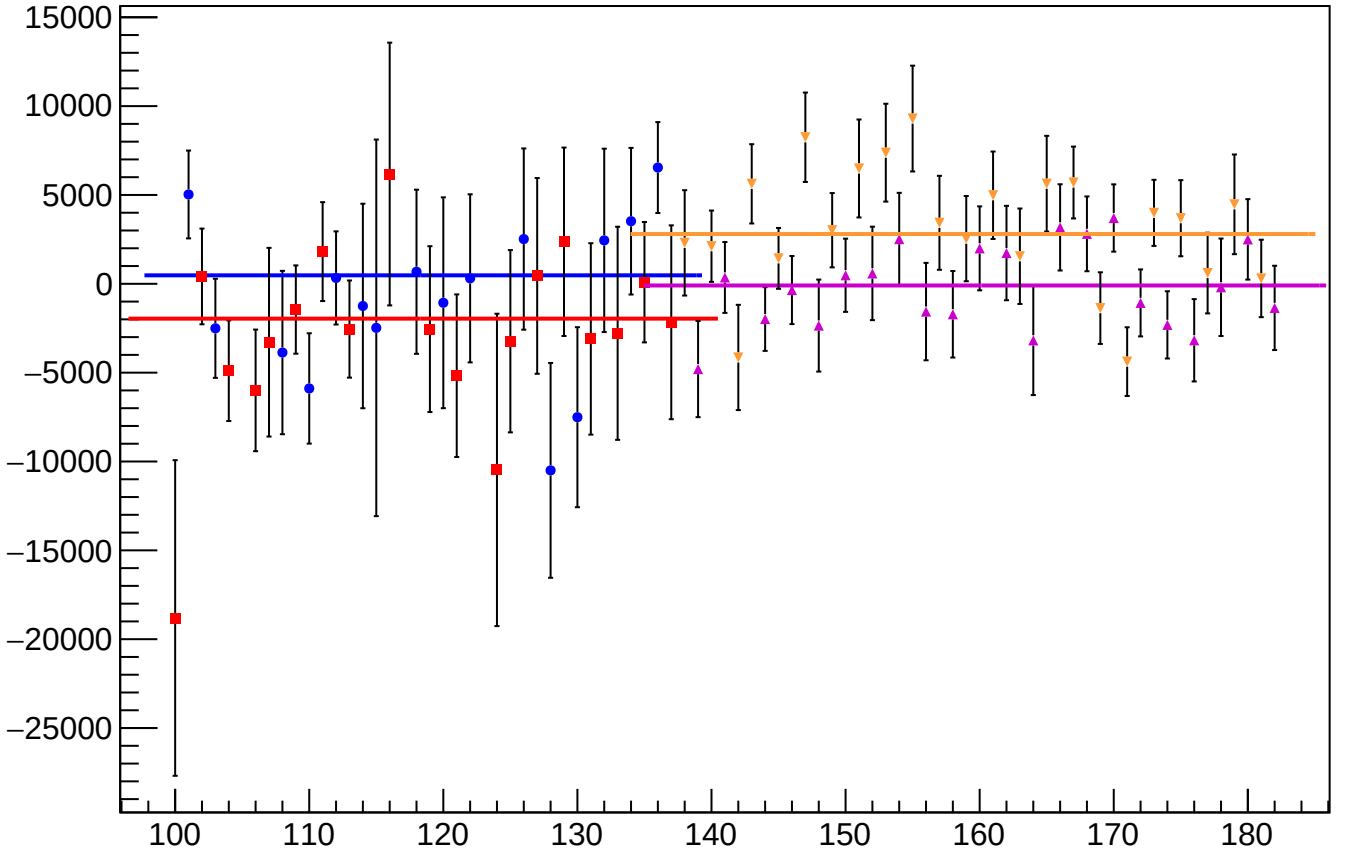
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2133.835+/-0.307 χ^2/NDF:1927425.0/37

Out: 2111.585+/-0.301 χ^2/NDF:2130351.9/41

All: 2122.485+/-0.215 χ^2/NDF: 4060454.5/79

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2801.508+/-480.199 χ^2/NDF:47.4/22

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -93.904+/-482.027 χ^2/NDF:21.9/21

Left: 1359.305+/-340.196 χ^2/NDF: 87.4/44

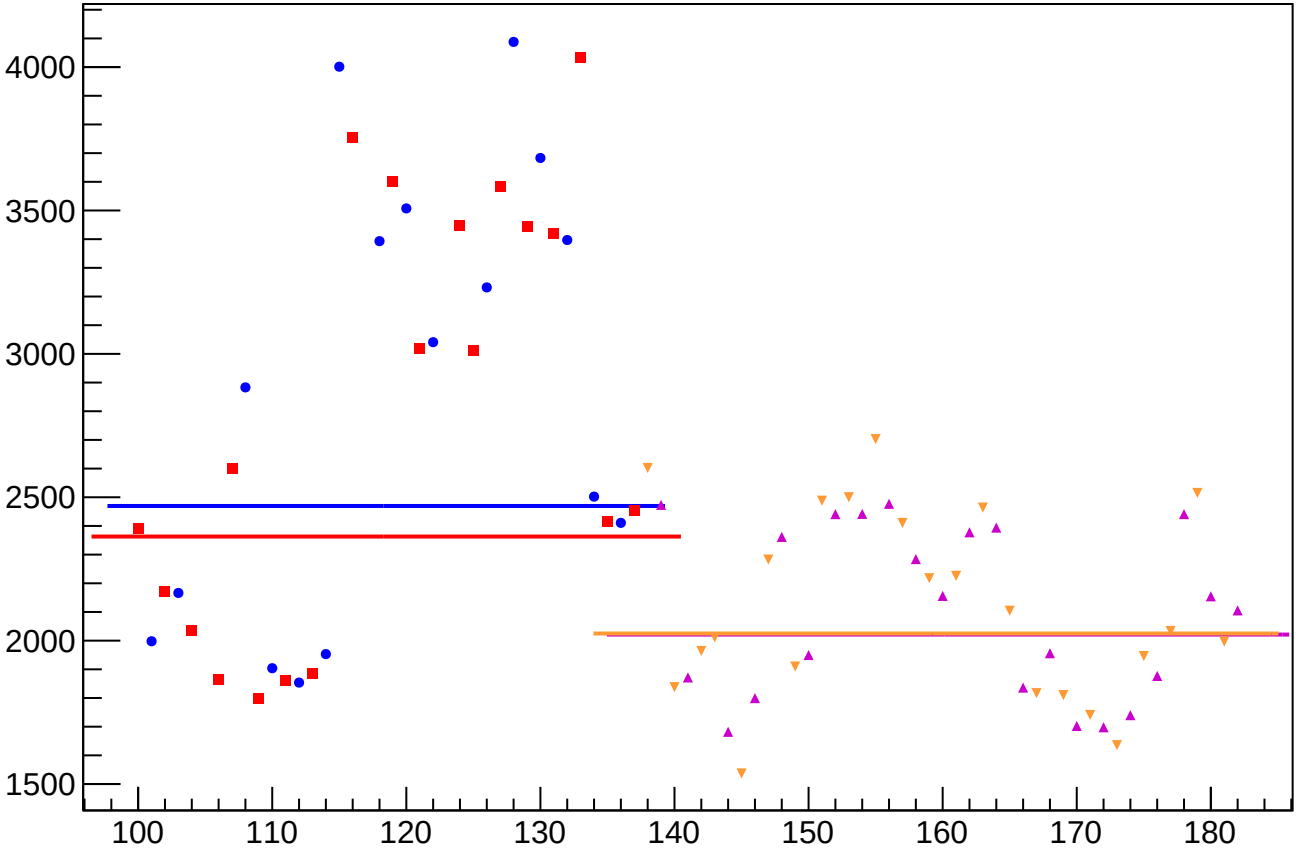
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: 22.504+/-430.113 χ^2/NDF:44.3/37

Out: 1745.946+/-423.635 χ^2/NDF:82.0/41

All: 897.302+/-301.819 χ^2/NDF: 134.4/79

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2024.945+/-0.340 χ^2/NDF:866007.7/22

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2021.199+/-0.341 χ^2/NDF:693479.8/21

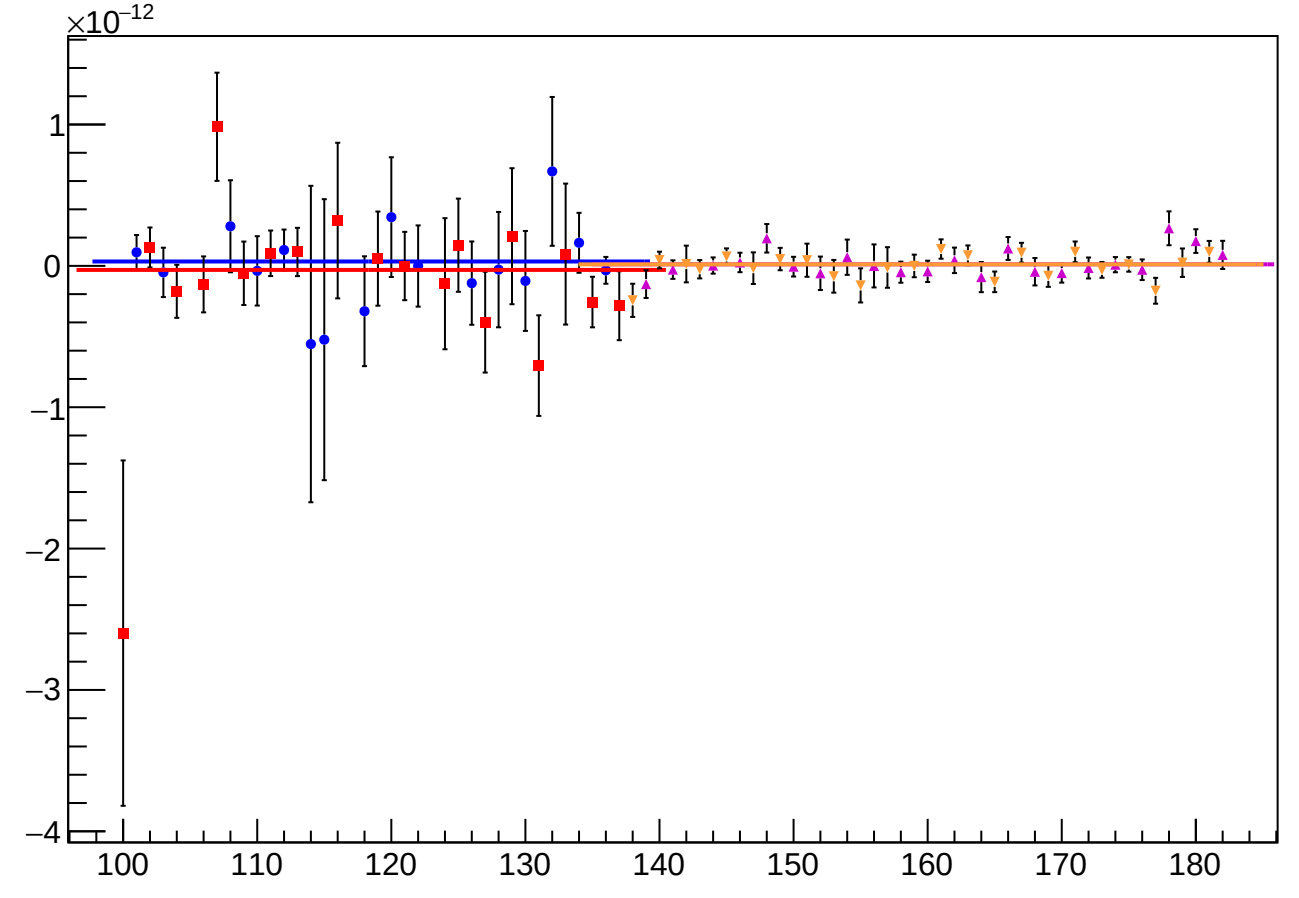
Left: 2023.079+/-0.241 χ^2/NDF: 1559548.1/44

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2112.591+/-0.304 χ^2/NDF:1932436.4/37

Out: 2099.907+/-0.300 χ^2/NDF:2129180.2/41

All: 2106.153+/-0.213 χ^2/NDF: 4062499.5/79



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/22

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:20.3/21

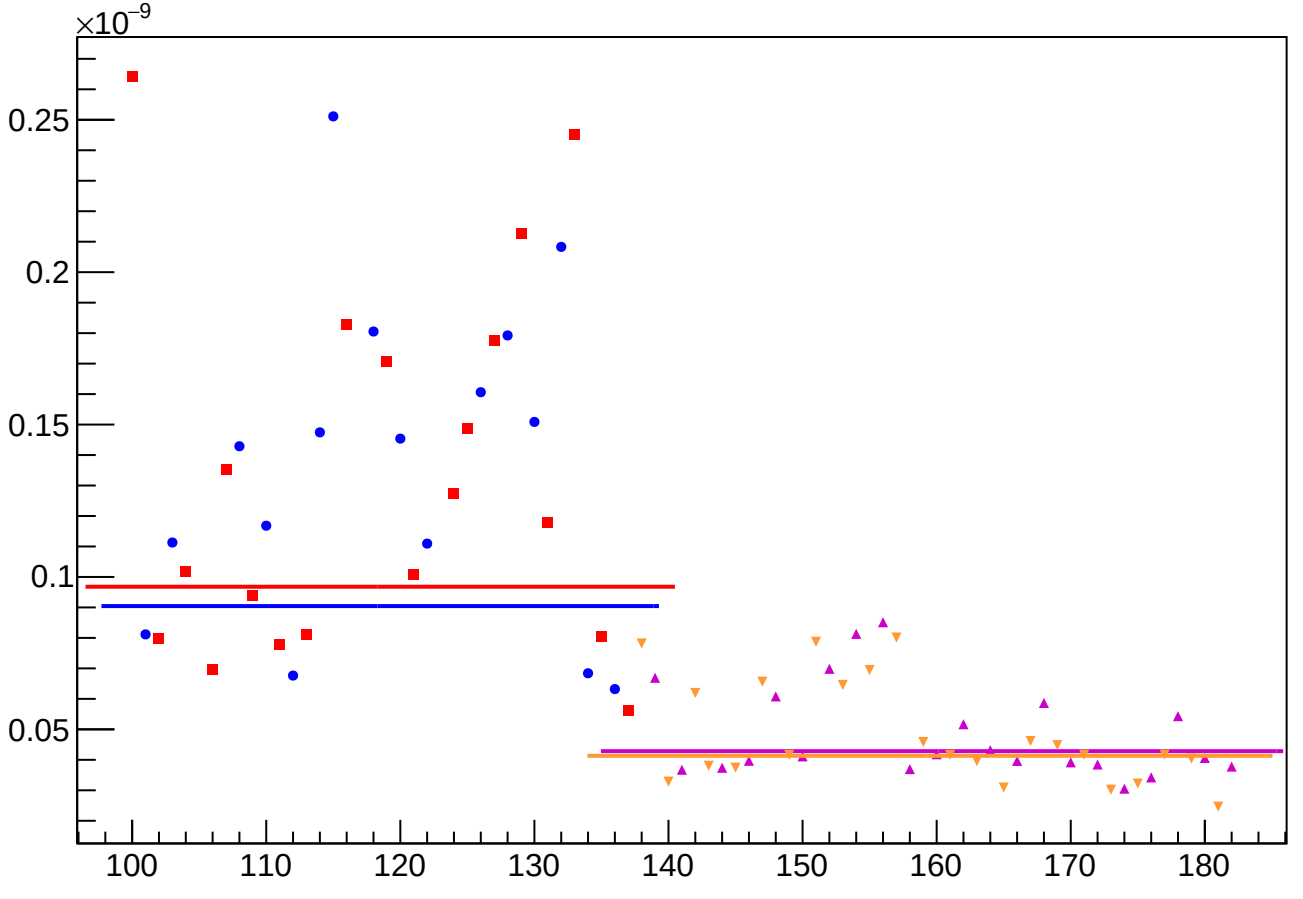
Left: 0.000+/-0.000 χ^2/NDF: 45.1/44

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:26.6/37

Out: 0.000+/-0.000 χ^2/NDF:48.4/41

All: 0.000+/-0.000 χ^2/NDF: 75.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1234956.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:931326.0/21

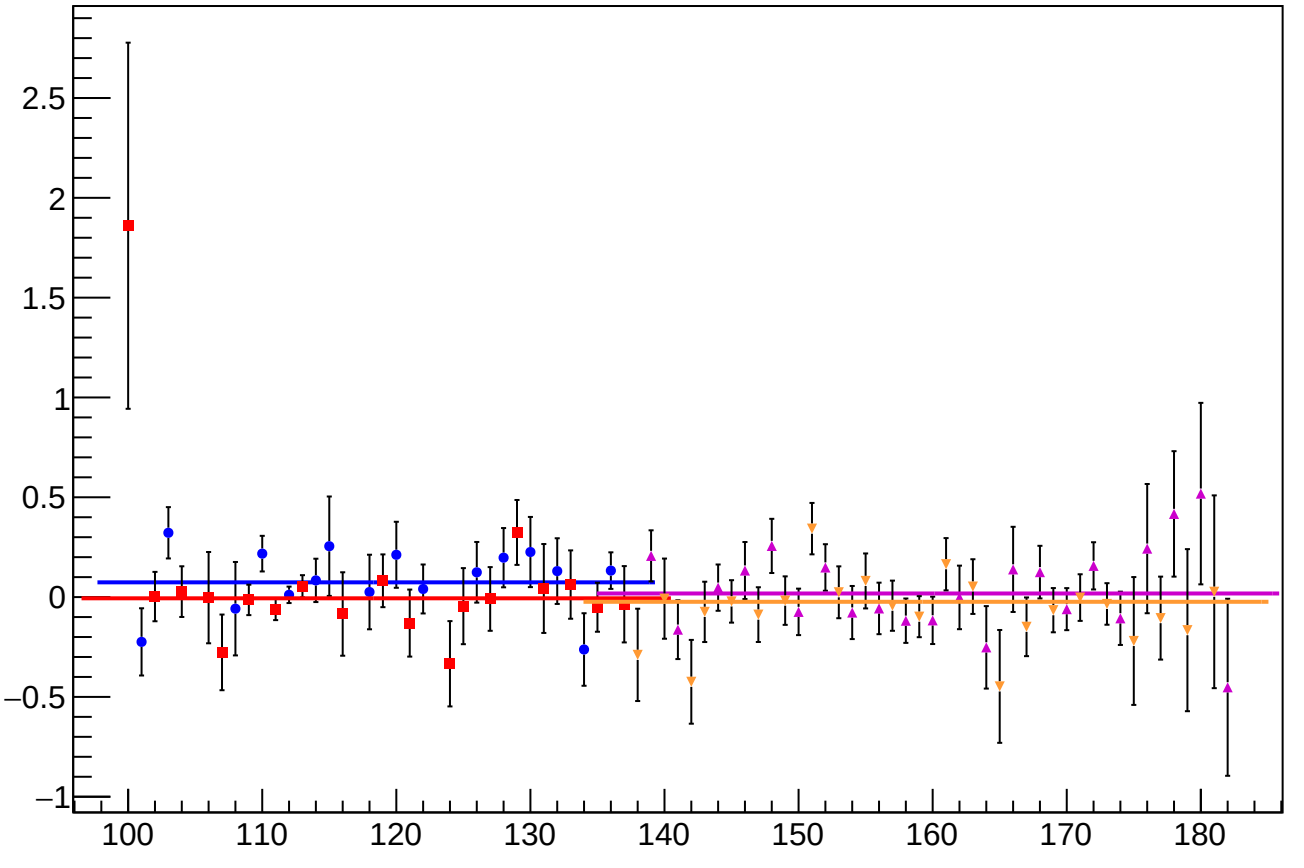
Left: 0.000+/-0.000 χ^2/NDF: 2174712.0/44

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:3340040.5/37

Out: 0.000+/-0.000 χ^2/NDF:3903433.0/41

All: 0.000+/-0.000 χ^2/NDF: 7257286.5/79



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/22

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.018+/-0.030 χ^2/NDF:22.9/21

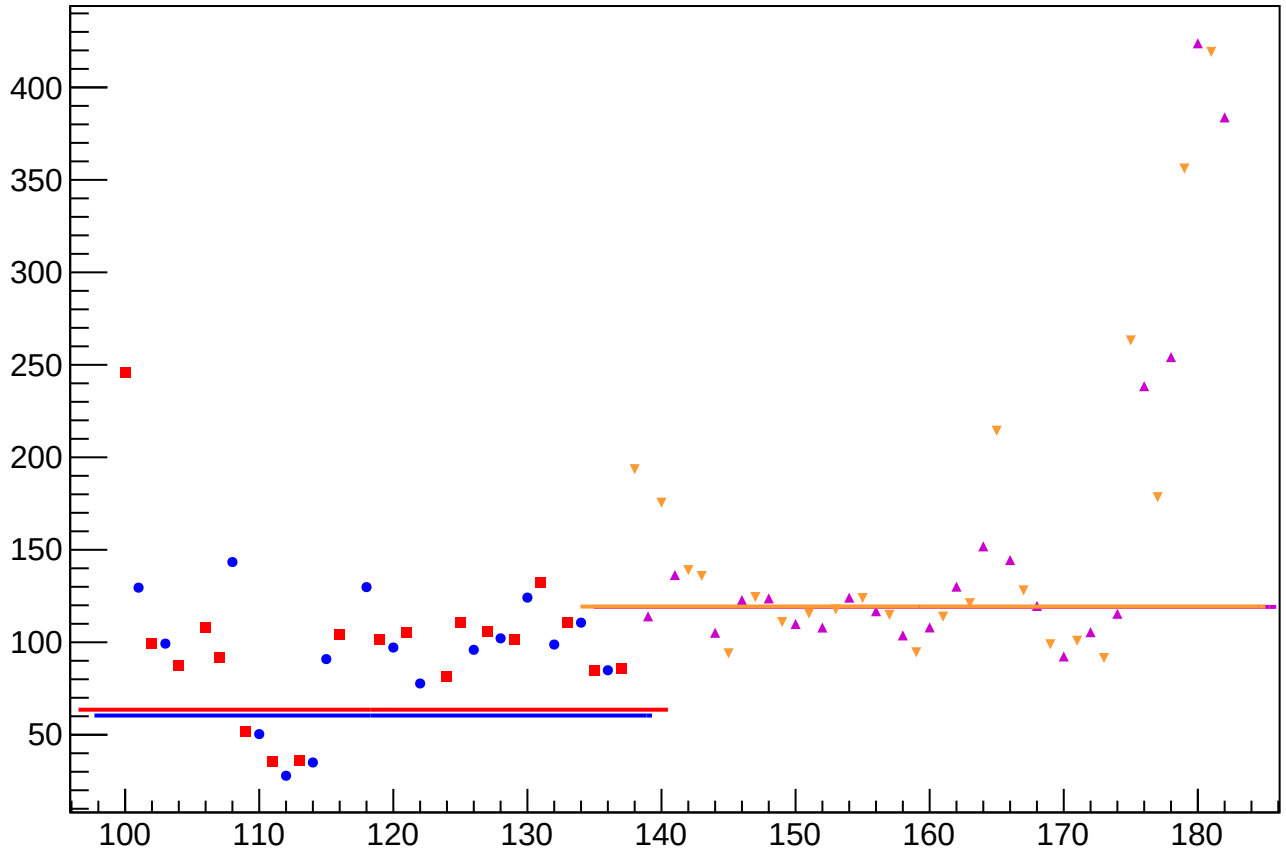
Left: -0.003+/-0.021 χ^2/NDF: 44.7/44

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:43.8/37

Out: -0.014+/-0.020 χ^2/NDF:37.5/41

All: 0.017+/-0.014 χ^2/NDF: 86.2/79



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 119.314+/-0.021 χ^2/NDF:3167875.0/22

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 119.128+/-0.021 χ^2/NDF:2652011.7/21

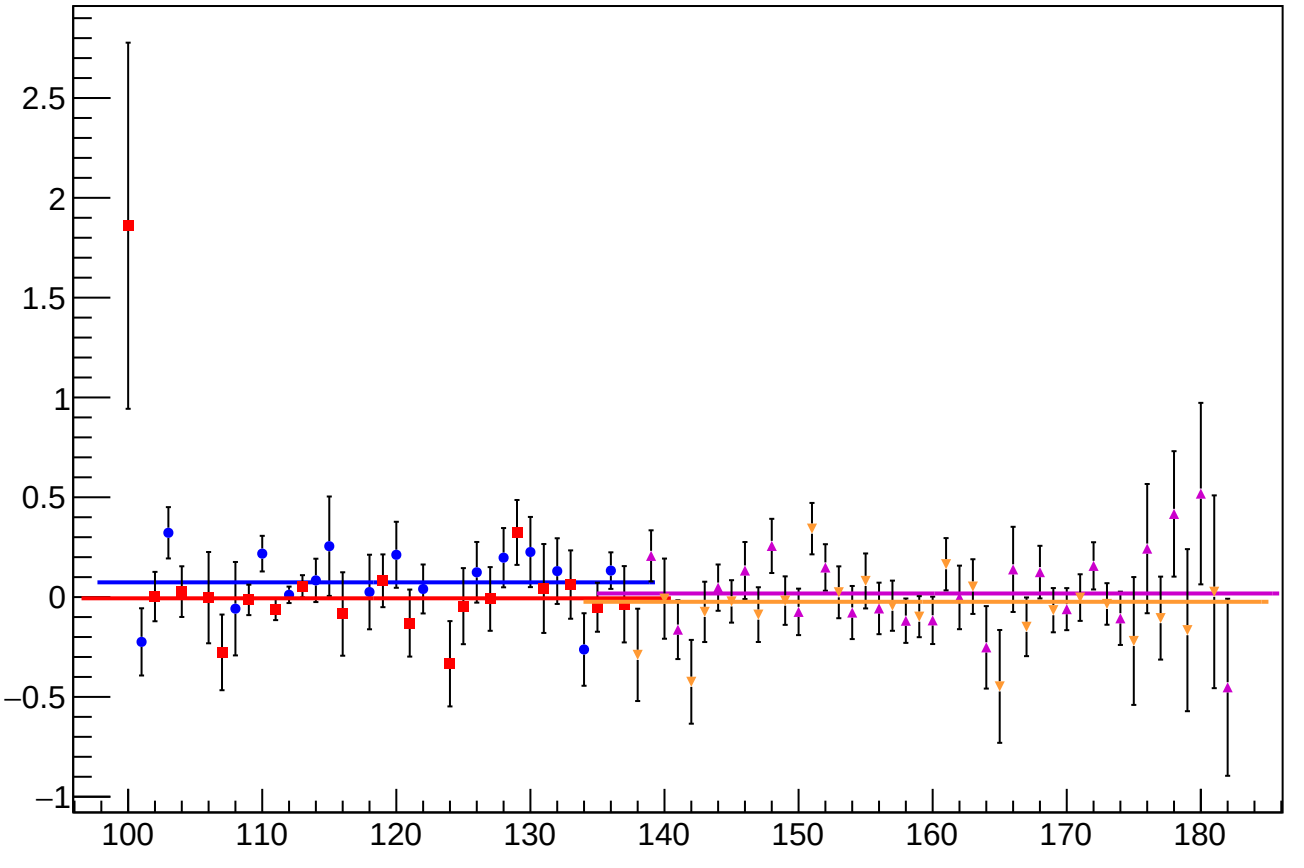
Left: 119.222+/-0.015 χ^2/NDF: 5819924.8/44

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 86.427+/-0.014 χ^2/NDF:10379550.7/37

Out: 88.329+/-0.014 χ^2/NDF:9660608.8/41

All: 87.385+/-0.010 χ^2/NDF: 20049134.0/79



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/22

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.018+/-0.030 χ^2/NDF:22.9/21

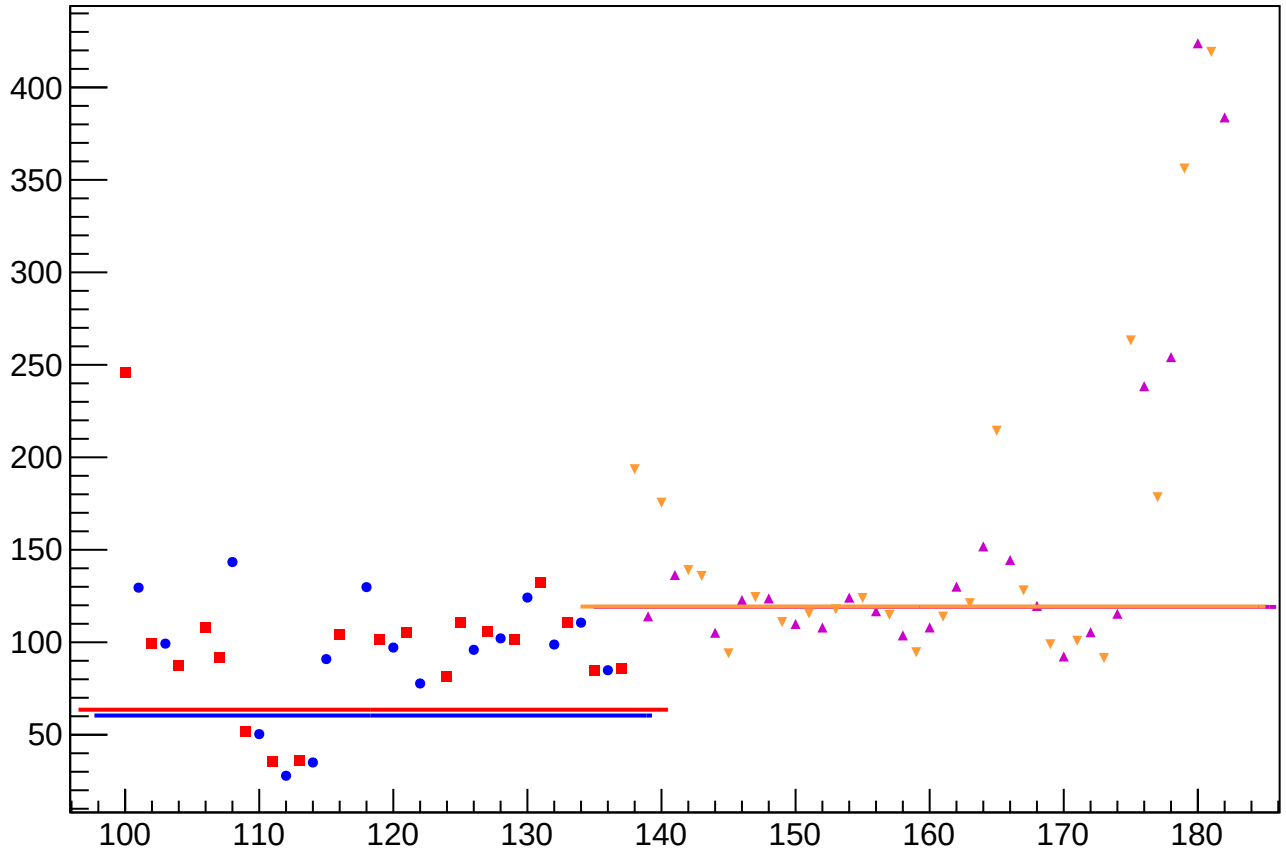
Left: -0.003+/-0.021 χ^2/NDF: 44.7/44

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:43.8/37

Out: -0.014+/-0.020 χ^2/NDF:37.5/41

All: 0.017+/-0.014 χ^2/NDF: 86.2/79



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 119.314+/-0.021 χ^2/NDF:3167875.0/22

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 119.128+/-0.021 χ^2/NDF:2652011.7/21

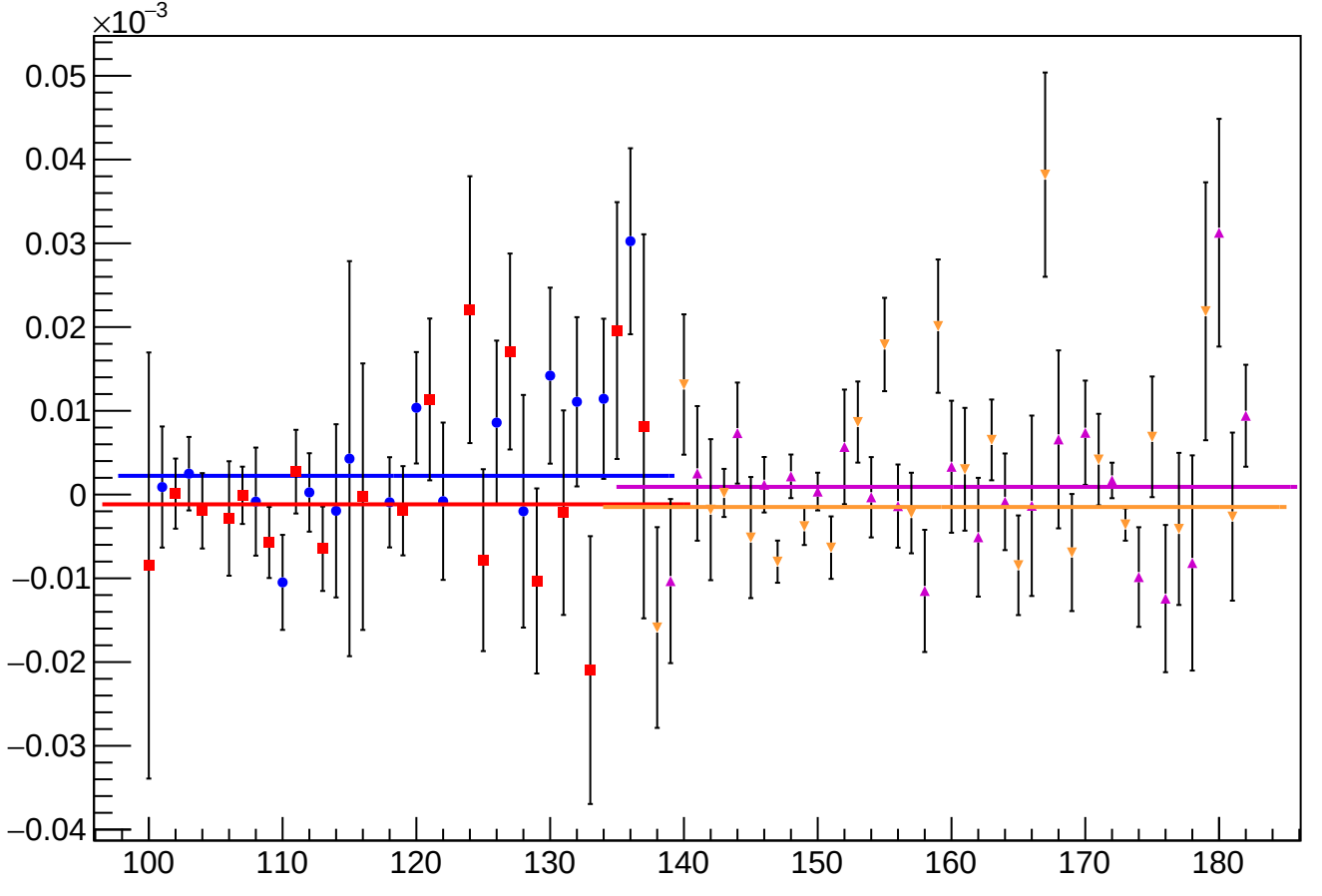
Left: 119.222+/-0.015 χ^2/NDF: 5819924.8/44

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 86.427+/-0.014 χ^2/NDF:10379550.7/37

Out: 88.329+/-0.014 χ^2/NDF:9660608.8/41

All: 87.385+/-0.010 χ^2/NDF: 20049134.0/79



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

Left Out: -0.000+/-0.000 χ^2/NDF:60.1/22

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:21.9/21

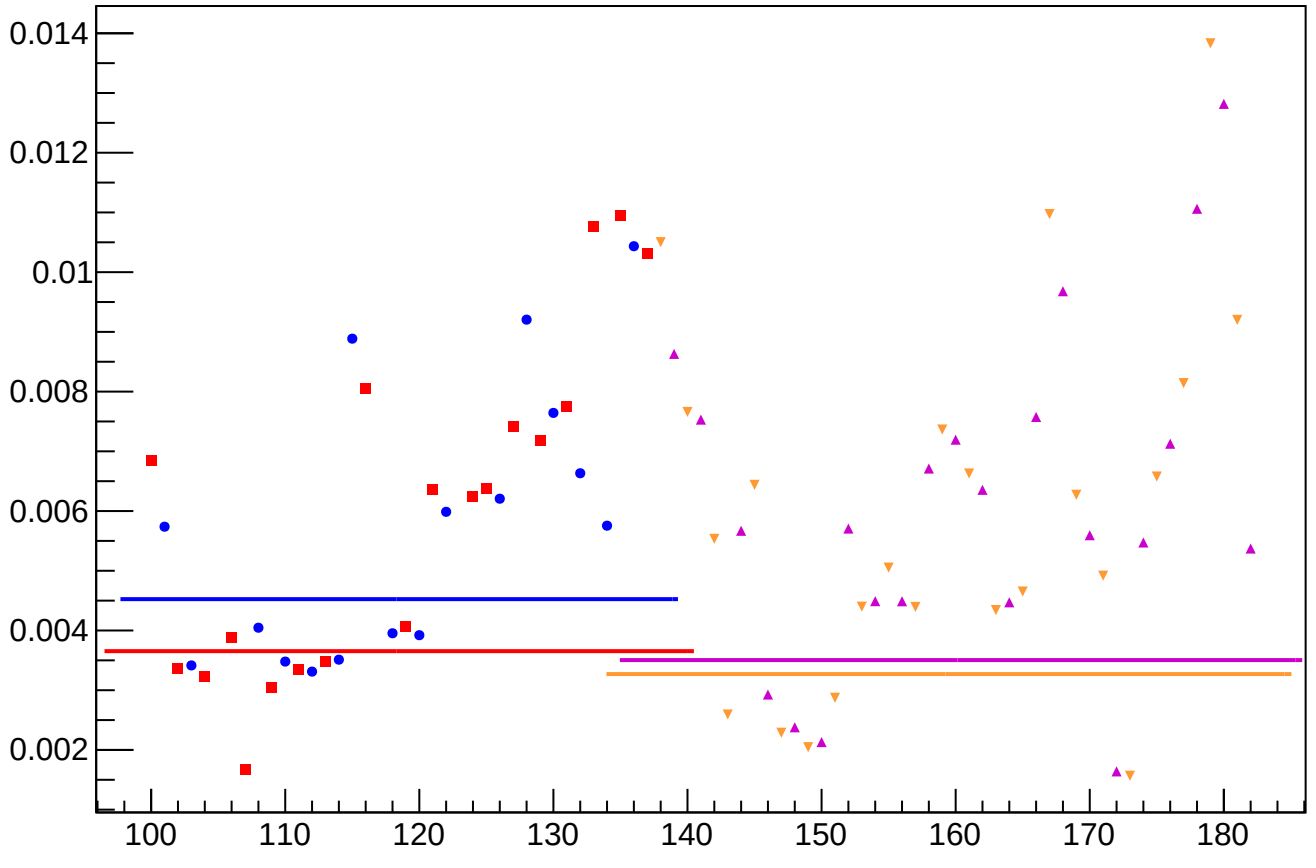
Left: -0.000+/-0.000 χ^2/NDF: 85.2/44

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:39.8/37

Out: -0.000+/-0.000 χ^2/NDF:74.3/41

All: -0.000+/-0.000 χ^2/NDF: 119.1/79



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:9960870.8/22

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:9169642.0/21

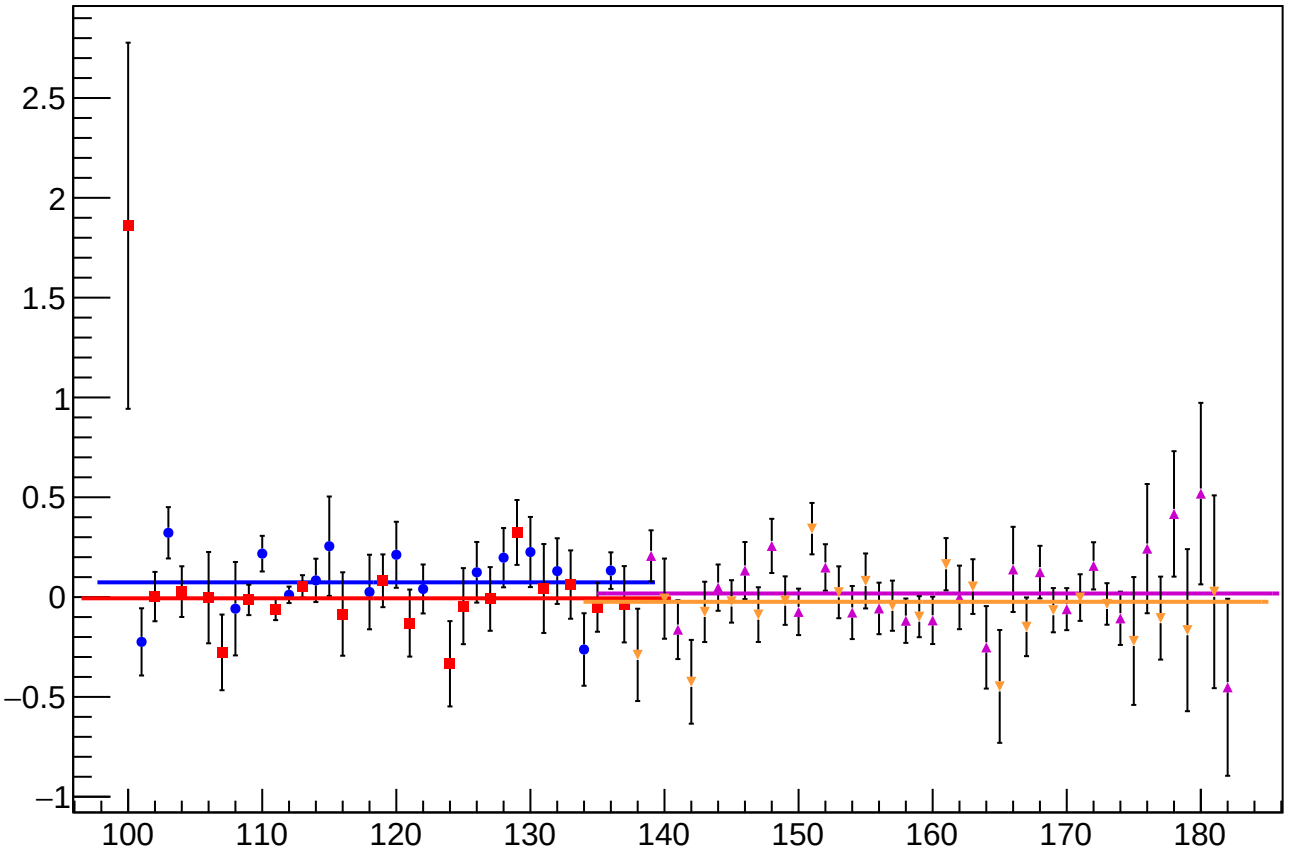
Left: 0.003+/-0.000 χ^2/NDF: 19191263.0/44

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:11380378.6/37

Out: 0.003+/-0.000 χ^2/NDF:12989822.3/41

All: 0.004+/-0.000 χ^2/NDF: 24565895.5/79



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/22

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.018+/-0.030 χ^2/NDF:22.9/21

Left: -0.003+/-0.021 χ^2/NDF: 44.7/44

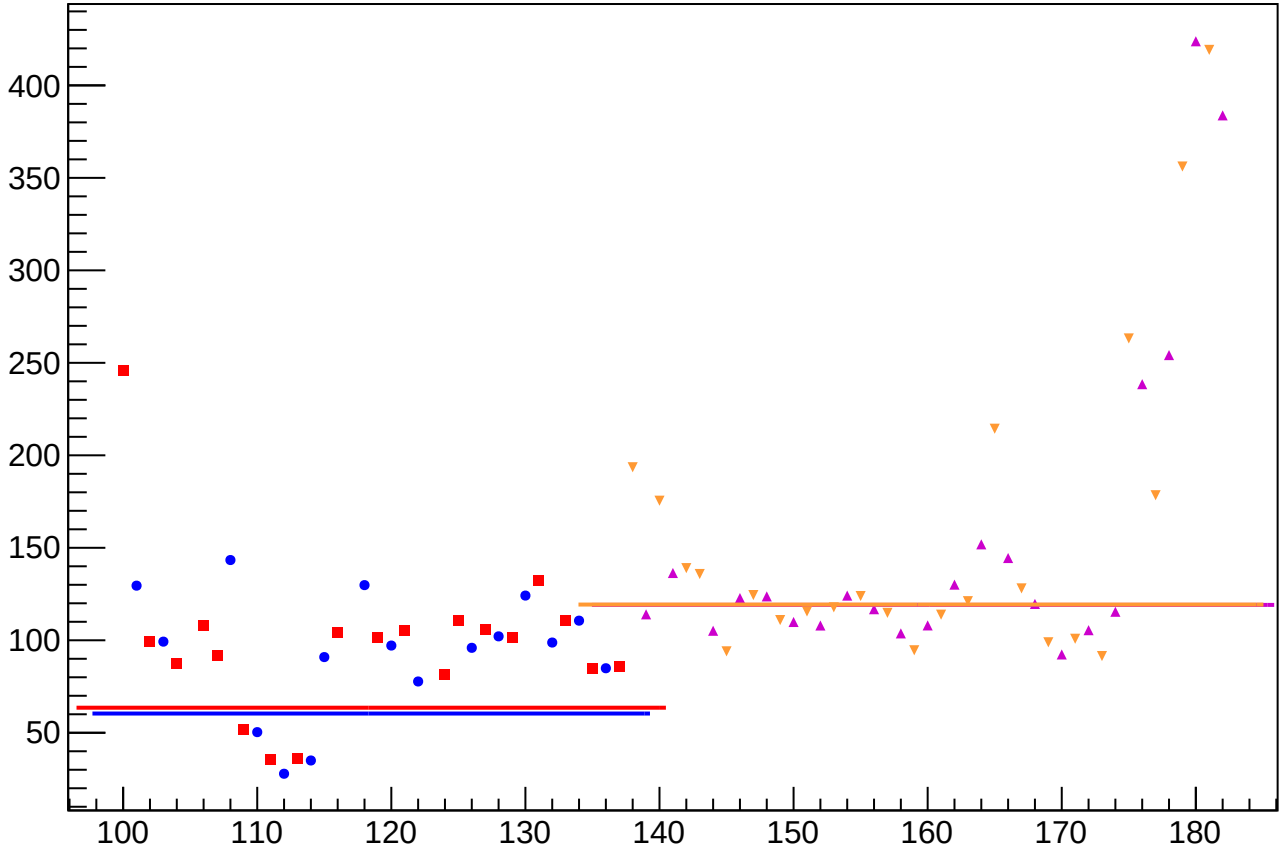
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:43.8/37

Out: -0.014+/-0.020 χ^2/NDF:37.5/41

All: 0.017+/-0.014 χ^2/NDF: 86.2/79

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 119.315+/-0.021 χ^2/NDF:3167825.0/22

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 119.129+/-0.021 χ^2/NDF:2651947.8/21

Left: 119.223+/-0.015 χ^2/NDF: 5819811.0/44

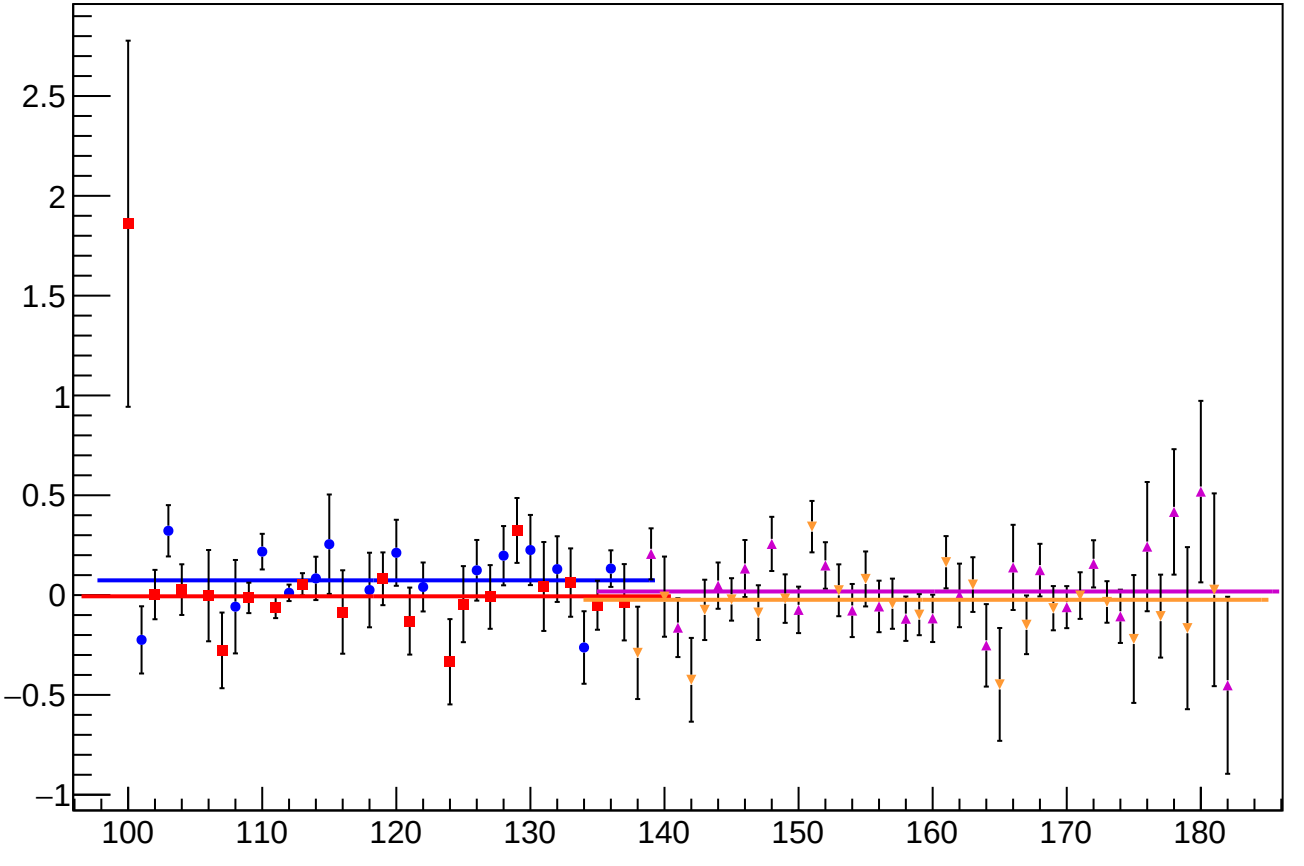
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 86.425+/-0.014 χ^2/NDF:10380224.4/37

Out: 88.327+/-0.014 χ^2/NDF:9661238.4/41

All: 87.384+/-0.010 χ^2/NDF: 20050440.6/79

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: -0.024+/-0.030 χ^2/NDF:20.9/22

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.018+/-0.030 χ^2/NDF:22.9/21

Left: -0.003+/-0.021 χ^2/NDF: 44.7/44

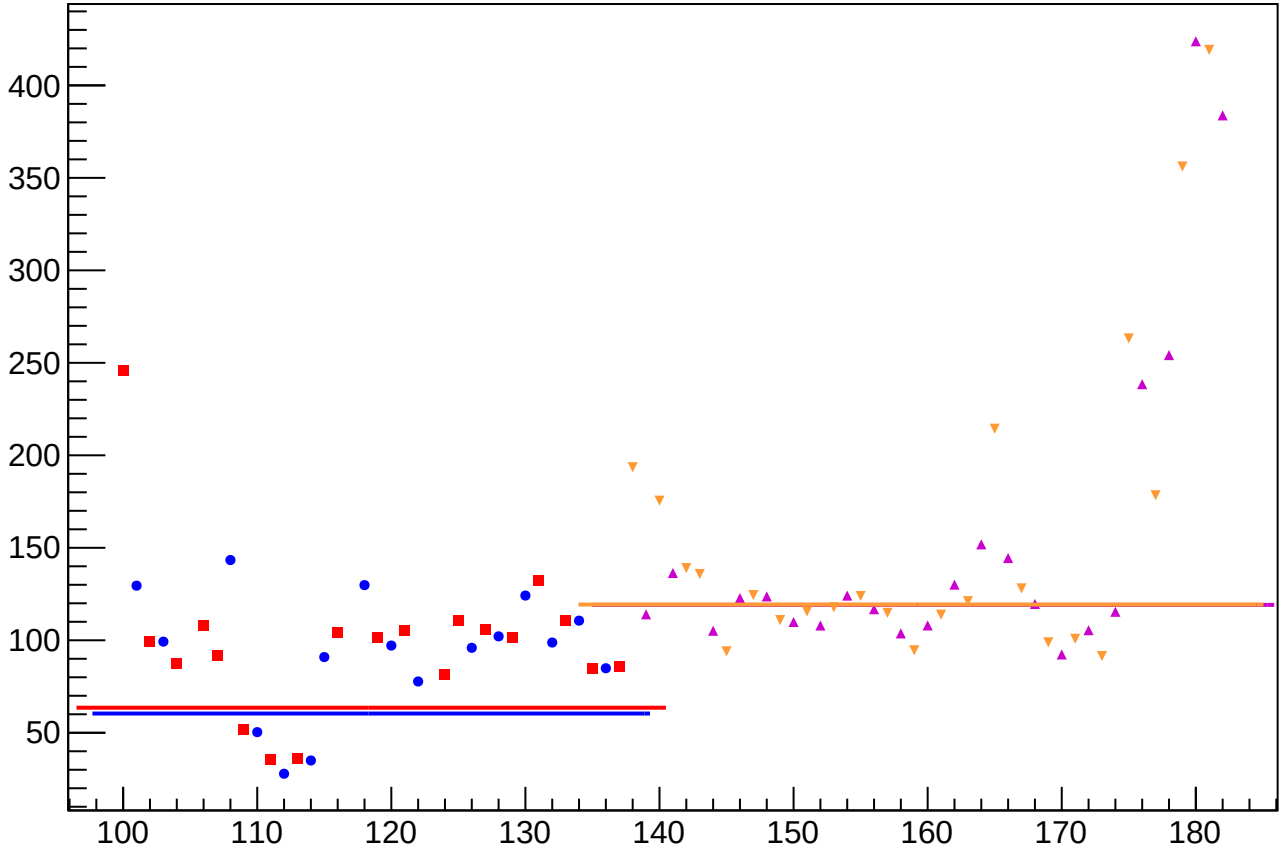
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:43.8/37

Out: -0.014+/-0.020 χ^2/NDF:37.5/41

All: 0.017+/-0.014 χ^2/NDF: 86.2/79

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 119.315+/-0.021 χ^2/NDF:3167825.0/22

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 119.129+/-0.021 χ^2/NDF:2651947.8/21

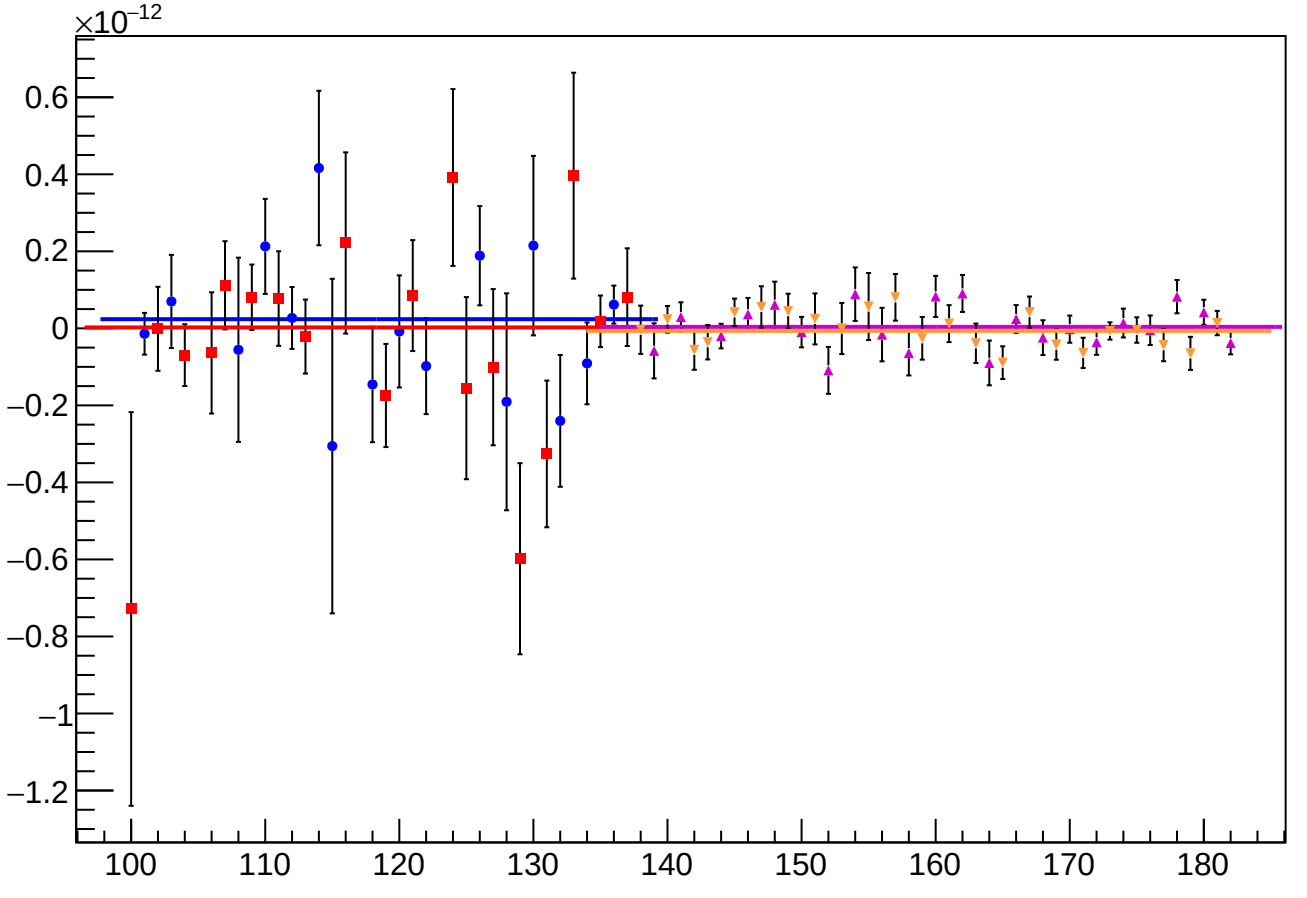
Left: 119.223+/-0.015 χ^2/NDF: 5819811.0/44

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 86.425+/-0.014 χ^2/NDF:10380224.4/37

Out: 88.327+/-0.014 χ^2/NDF:9661238.4/41

All: 87.384+/-0.010 χ^2/NDF: 20050440.6/79



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:26.8/21

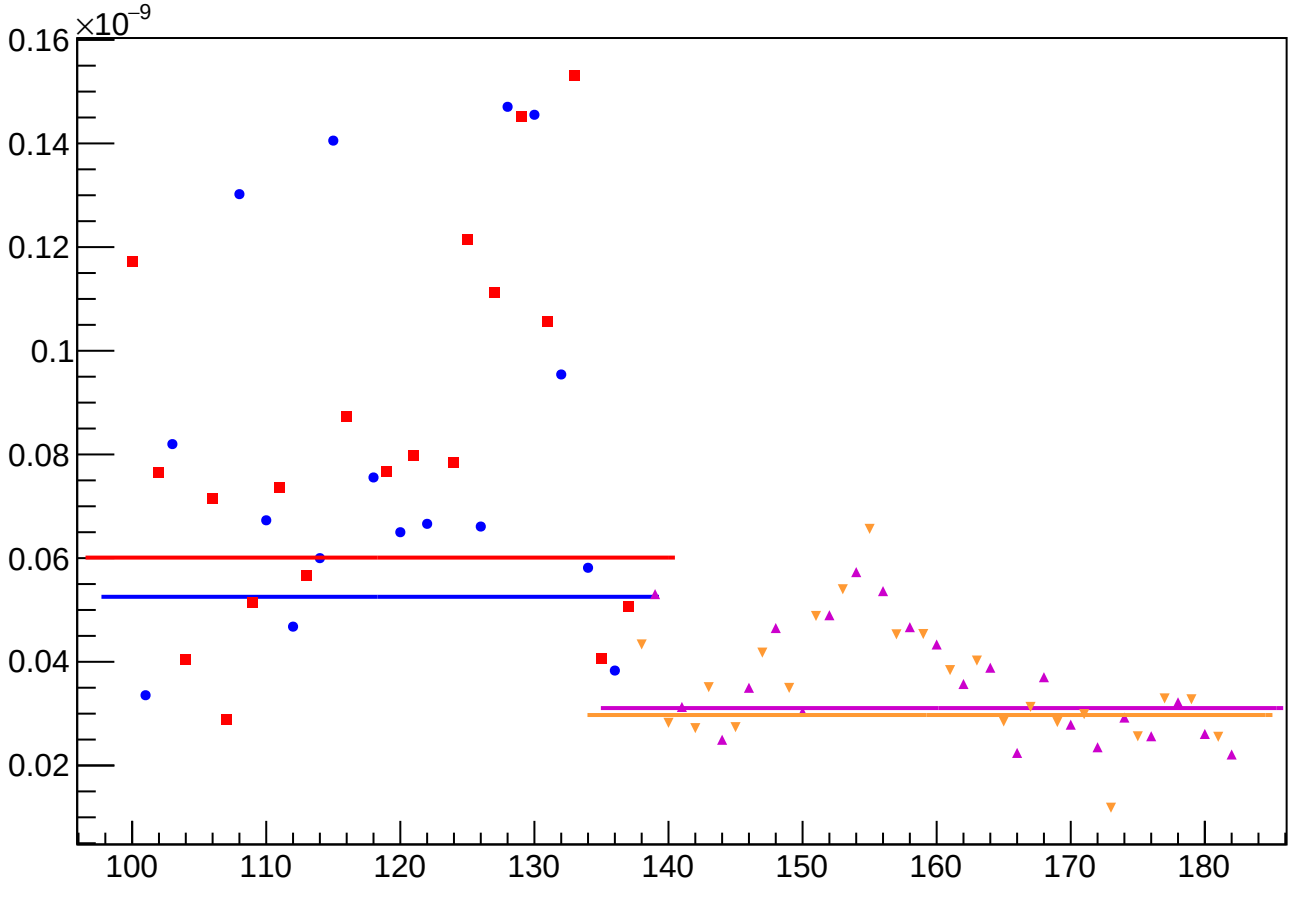
Left: -0.000+/-0.000 χ^2/NDF: 48.8/44

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:44.1/37

Out: -0.000+/-0.000 χ^2/NDF:44.5/41

All: -0.000+/-0.000 χ^2/NDF: 89.6/79



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2846344.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1935977.5/21

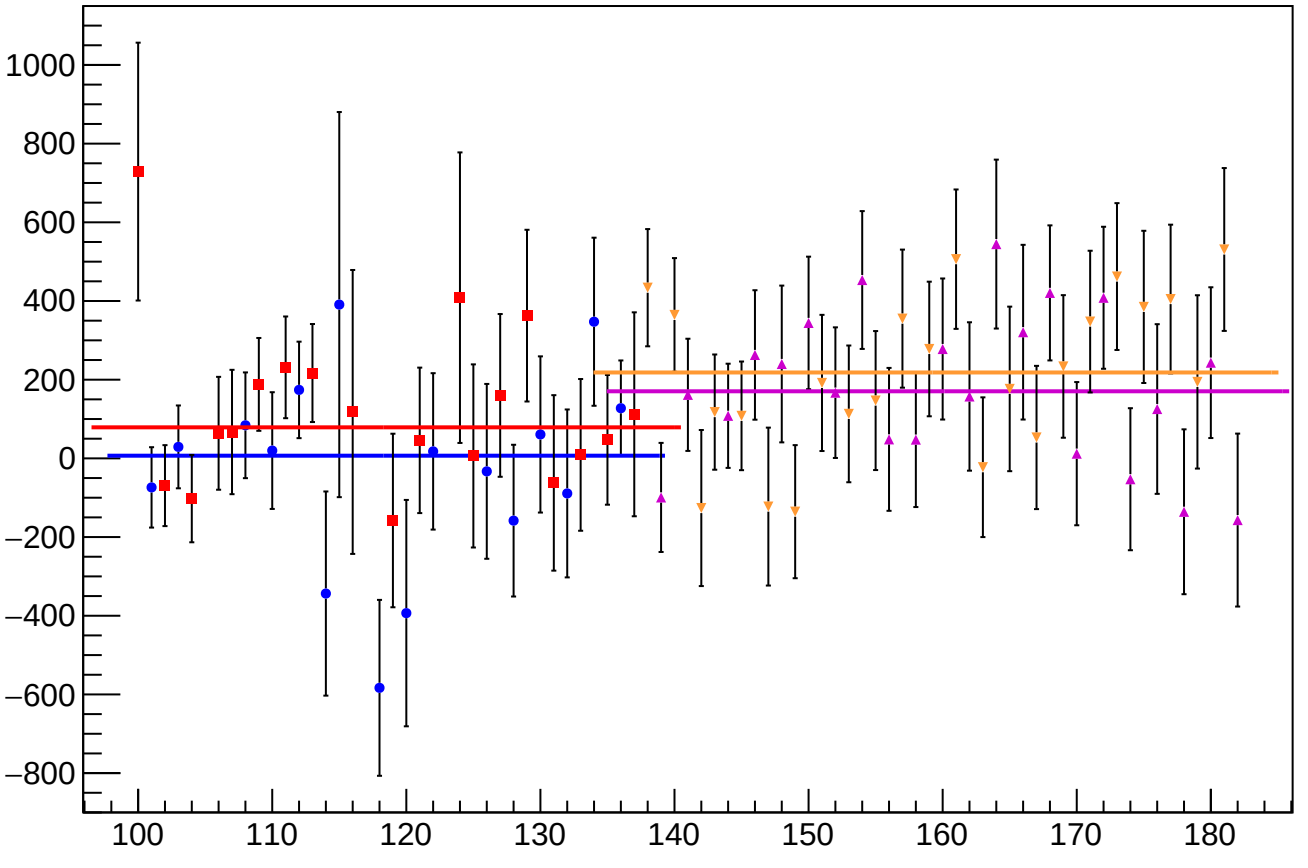
Left: 0.000+/-0.000 χ^2/NDF: 4805170.5/44

Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:4786902.9/37

Out: 0.000+/-0.000 χ^2/NDF:6412477.1/41

All: 0.000+/-0.000 χ^2/NDF: 11214679.6/79



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 218.331+/-36.571 χ^2/NDF:27.4/22

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 170.514+/-37.587 χ^2/NDF:23.6/21

Left: 195.077+/-26.212 χ^2/NDF: 51.8/44

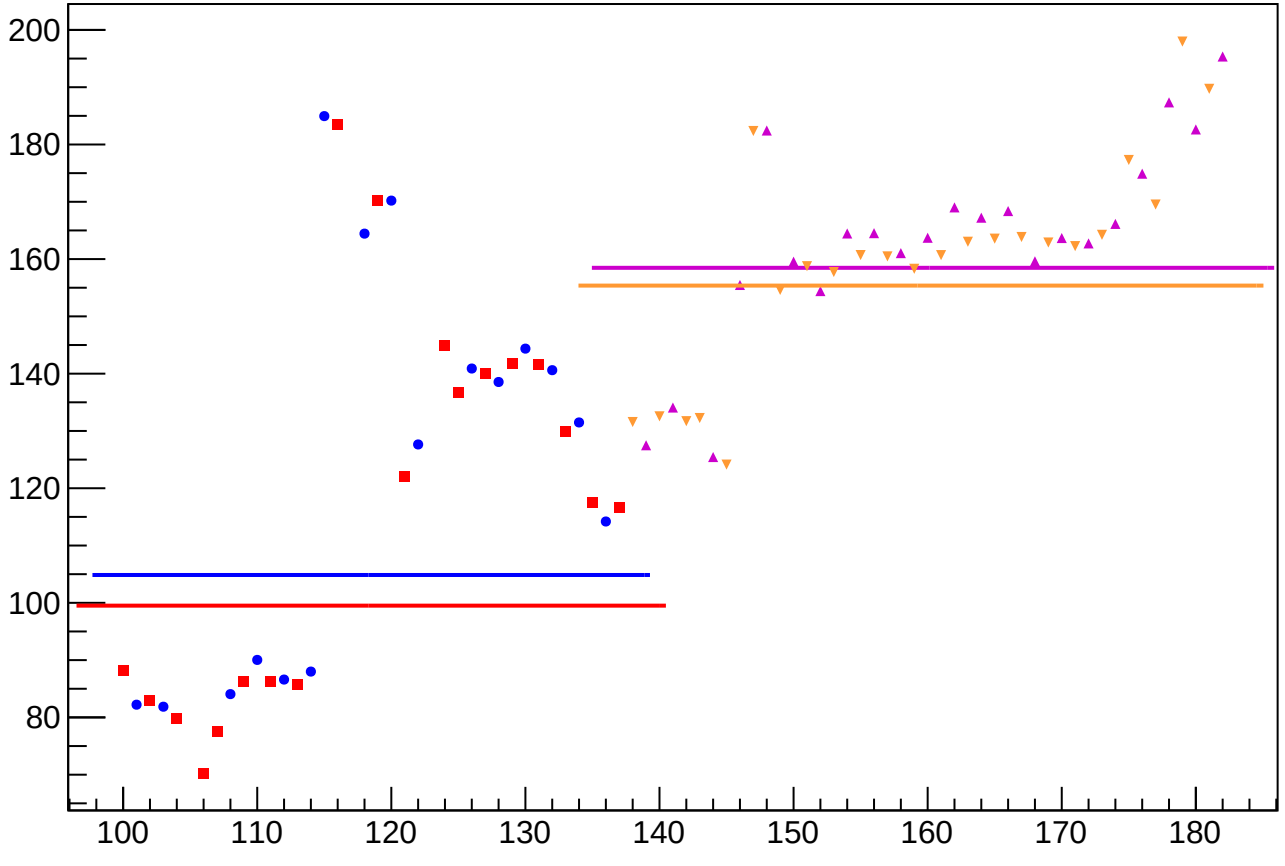
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 94.465+/-27.504 χ^2/NDF:51.2/37

Out: 151.105+/-26.319 χ^2/NDF:51.1/41

All: 124.031+/-19.015 χ^2/NDF: 104.5/79

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 155.373+/-0.026 χ^2/NDF:513685.5/22

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 158.476+/-0.027 χ^2/NDF:478117.1/21

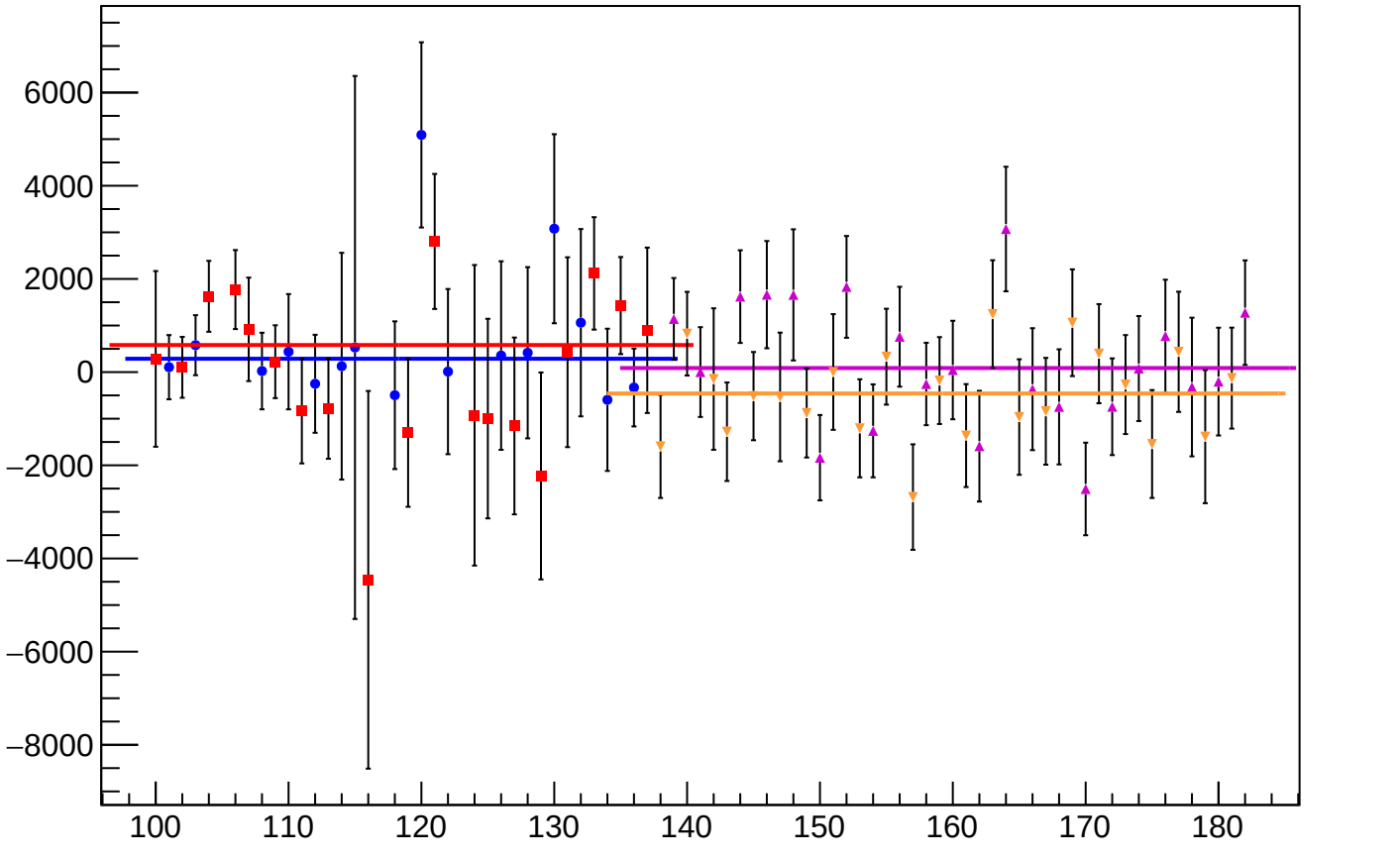
Left: 156.882+/-0.019 χ^2/NDF: 998805.1/44

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 133.568+/-0.019 χ^2/NDF:3299892.6/37

Out: 128.441+/-0.019 χ^2/NDF:3802588.9/41

All: 130.892+/-0.013 χ^2/NDF: 7138764.3/79



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -458.334+/-230.956 χ^2/NDF:16.5/22

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 87.580+/-231.660 χ^2/NDF:32.9/21

Left: -186.209+/-163.559 χ^2/NDF: 52.2/44

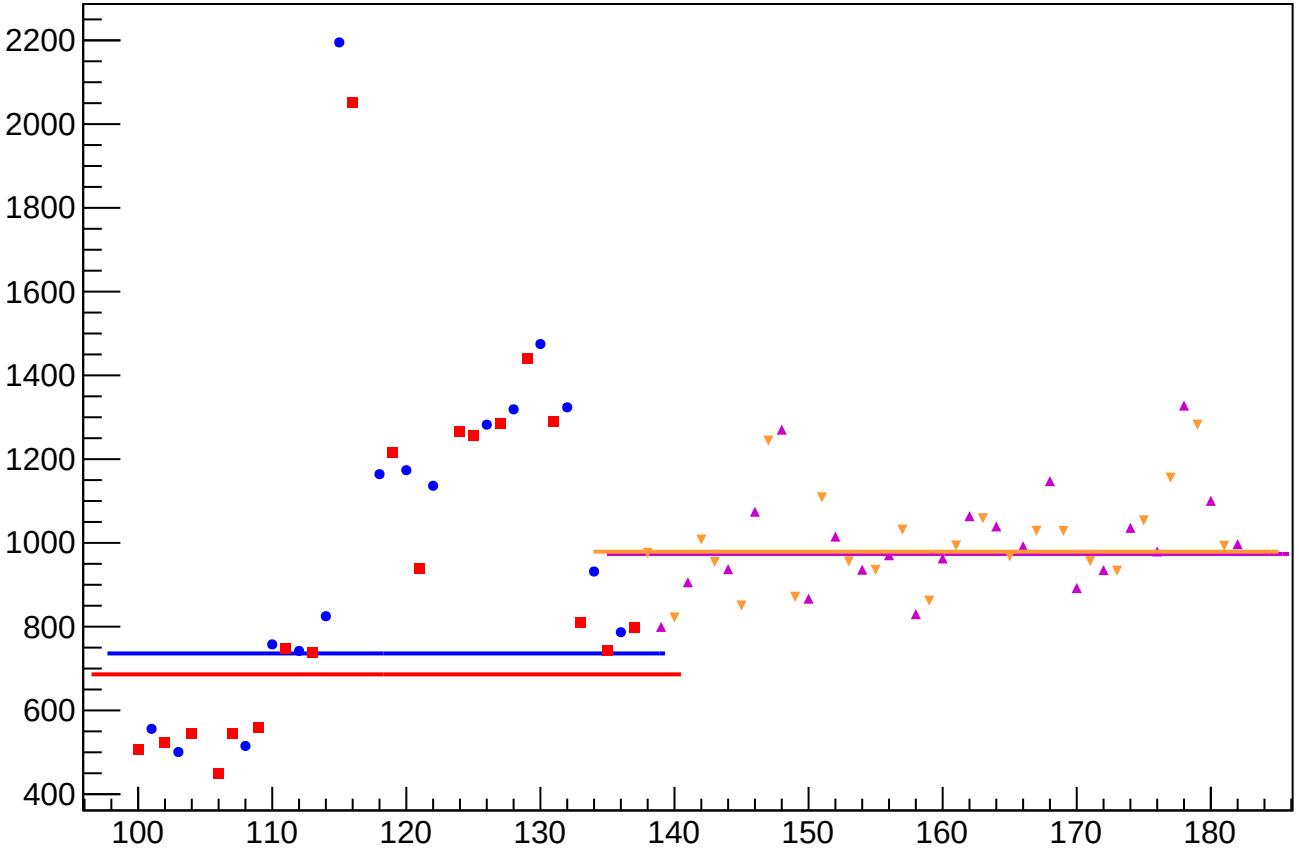
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 164.104+/-181.835 χ^2/NDF:42.8/37

Out: -18.668+/-175.445 χ^2/NDF:43.9/41

All: 69.450+/-126.257 χ^2/NDF: 87.2/79

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 979.069+/-0.163 χ^2/NDF:419683.0/22

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 973.600+/-0.164 χ^2/NDF:498503.4/21

Left: 976.343+/-0.116 χ^2/NDF: 918745.4/44

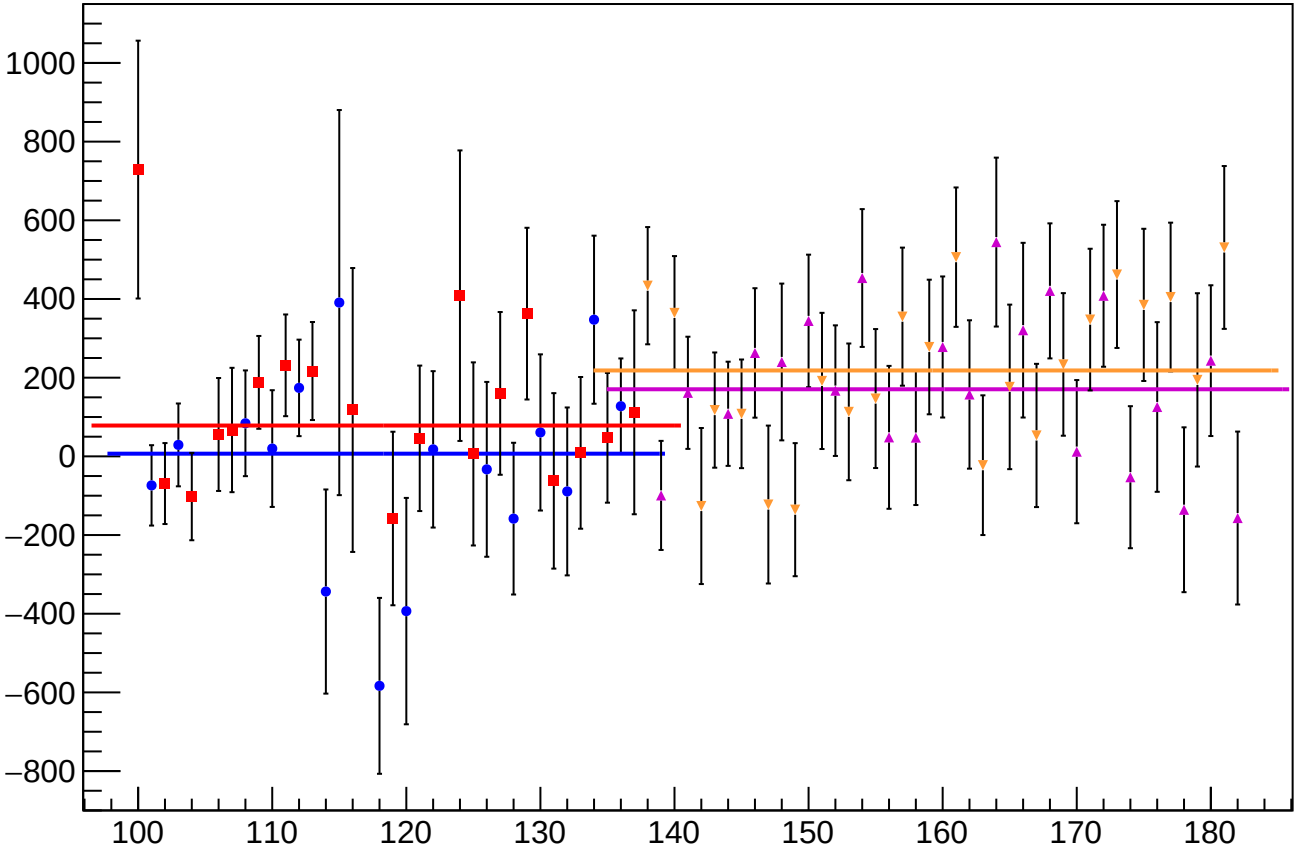
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 882.418+/-0.129 χ^2/NDF:3150106.4/37

Out: 855.165+/-0.124 χ^2/NDF:3599894.5/41

All: 868.304+/-0.089 χ^2/NDF: 6773267.5/79

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 218.333+/-36.571 χ^2/NDF:27.4/22

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 170.518+/-37.587 χ^2/NDF:23.6/21

Left: 195.080+/-26.212 χ^2/NDF: 51.8/44

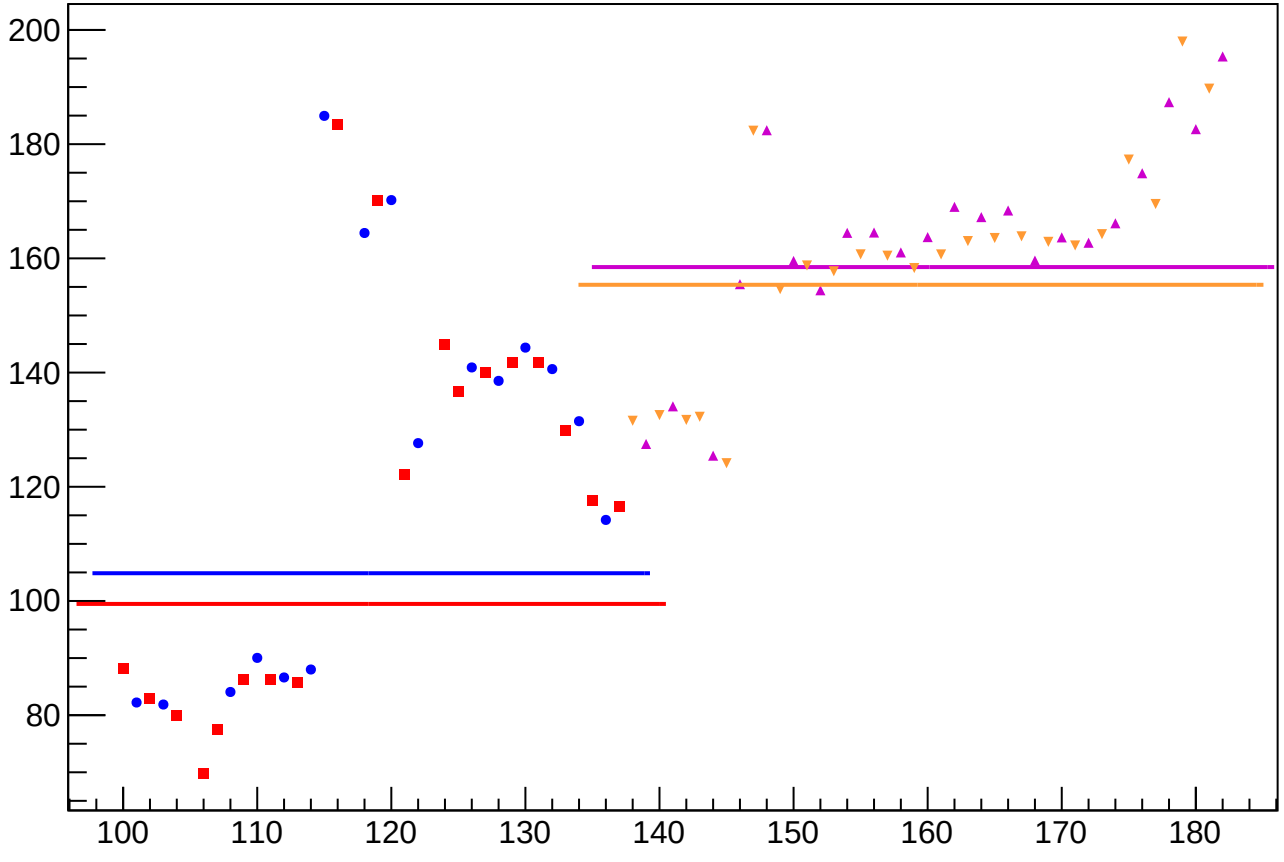
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 94.462+/-27.504 χ^2/NDF:51.2/37

Out: 150.853+/-26.320 χ^2/NDF:51.1/41

All: 123.897+/-19.016 χ^2/NDF: 104.6/79

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 155.373+/-0.026 χ^2/NDF:513685.5/22

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 158.476+/-0.027 χ^2/NDF:478117.2/21

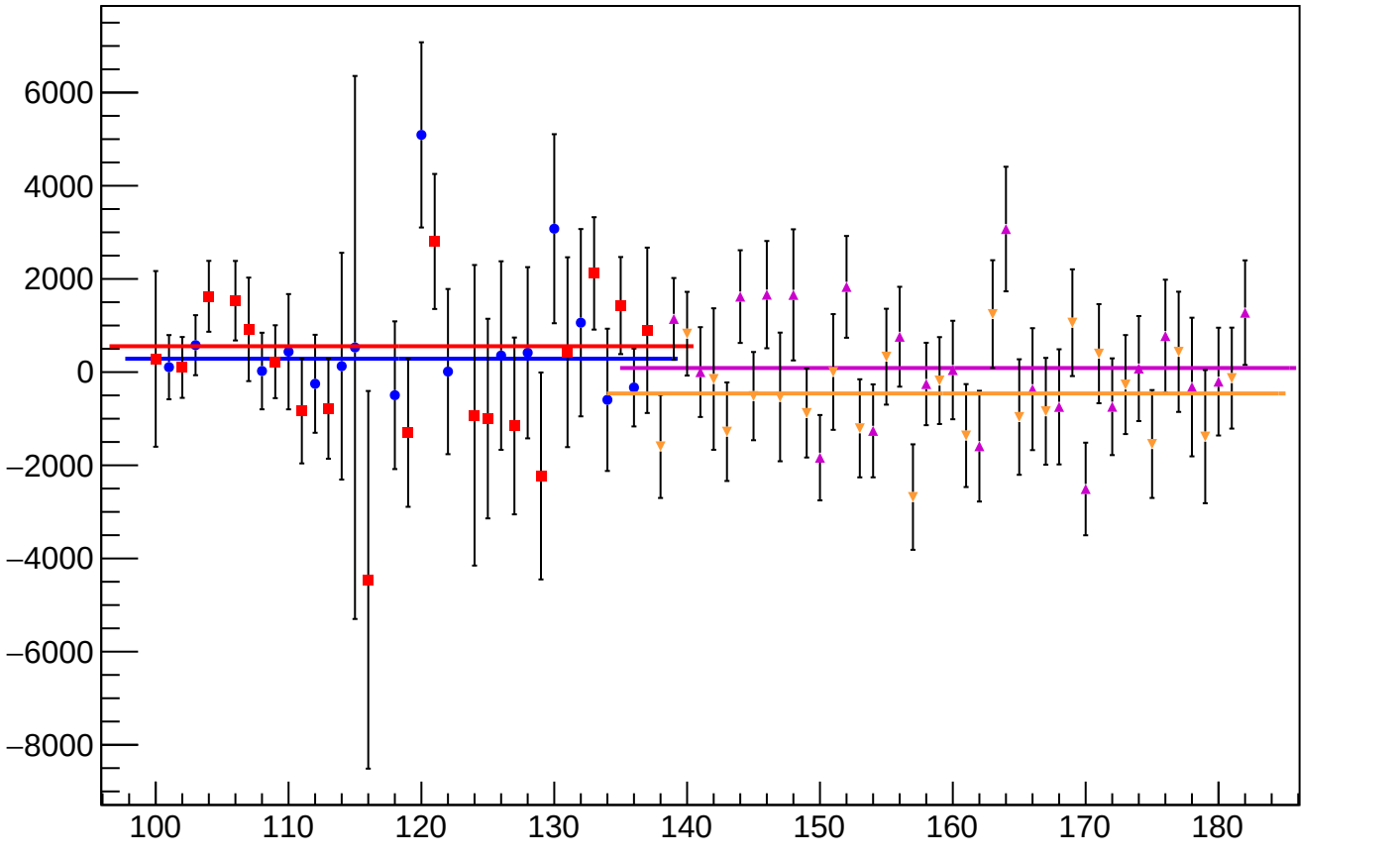
Left: 156.882+/-0.019 χ^2/NDF: 998805.1/44

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 133.568+/-0.019 χ^2/NDF:3299890.6/37

Out: 128.431+/-0.019 χ^2/NDF:3806535.3/41

All: 130.887+/-0.013 χ^2/NDF: 7142842.9/79



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -458.327+/-230.956 χ^2/NDF:16.5/22

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 87.577+/-231.660 χ^2/NDF:32.9/21

Left: -186.207+/-163.559 χ^2/NDF: 52.2/44

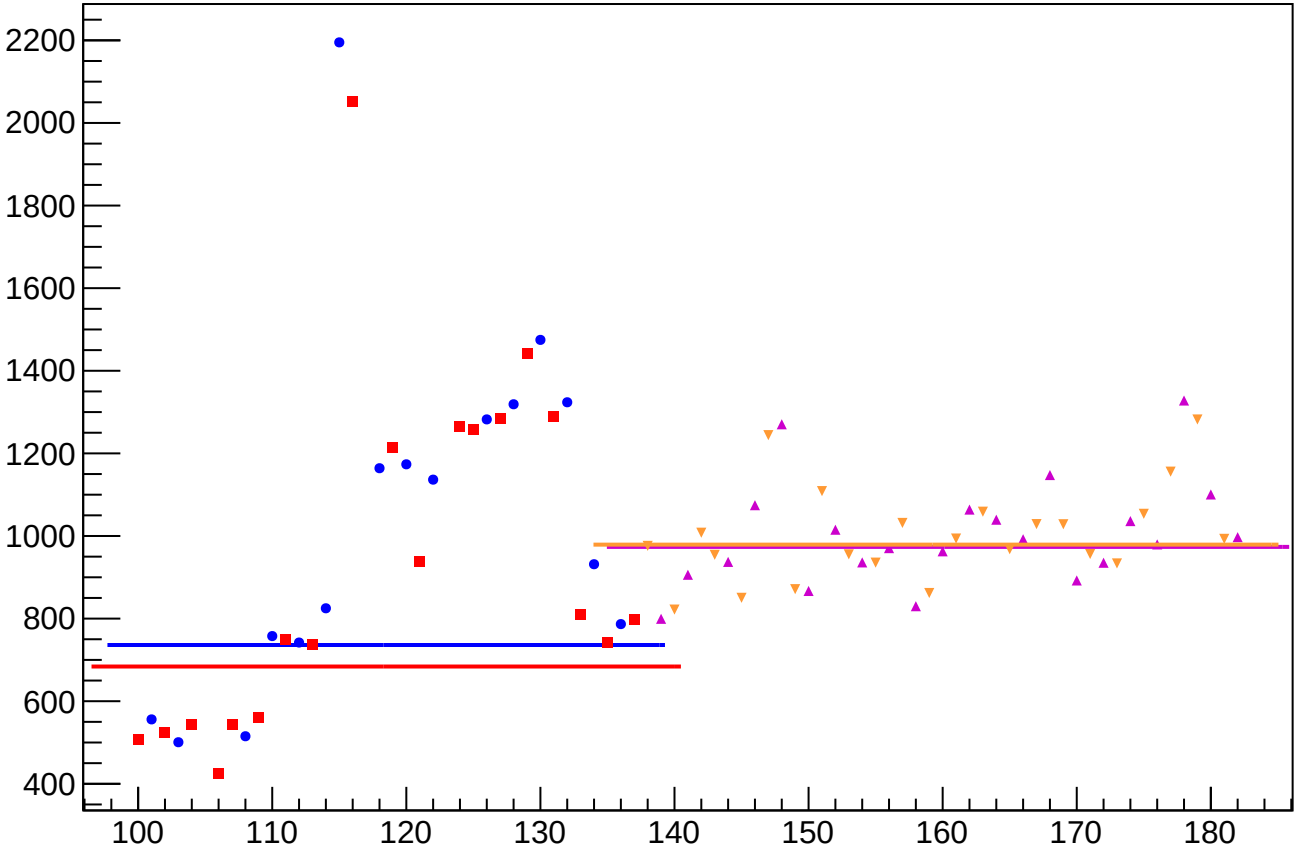
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 164.104+/-181.835 χ^2/NDF:42.8/37

Out: -29.895+/-175.494 χ^2/NDF:42.7/41

All: 63.663+/-126.275 χ^2/NDF: 86.1/79

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 979.070+/-0.163 χ^2/NDF:419681.5/22

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 973.600+/-0.164 χ^2/NDF:498505.9/21

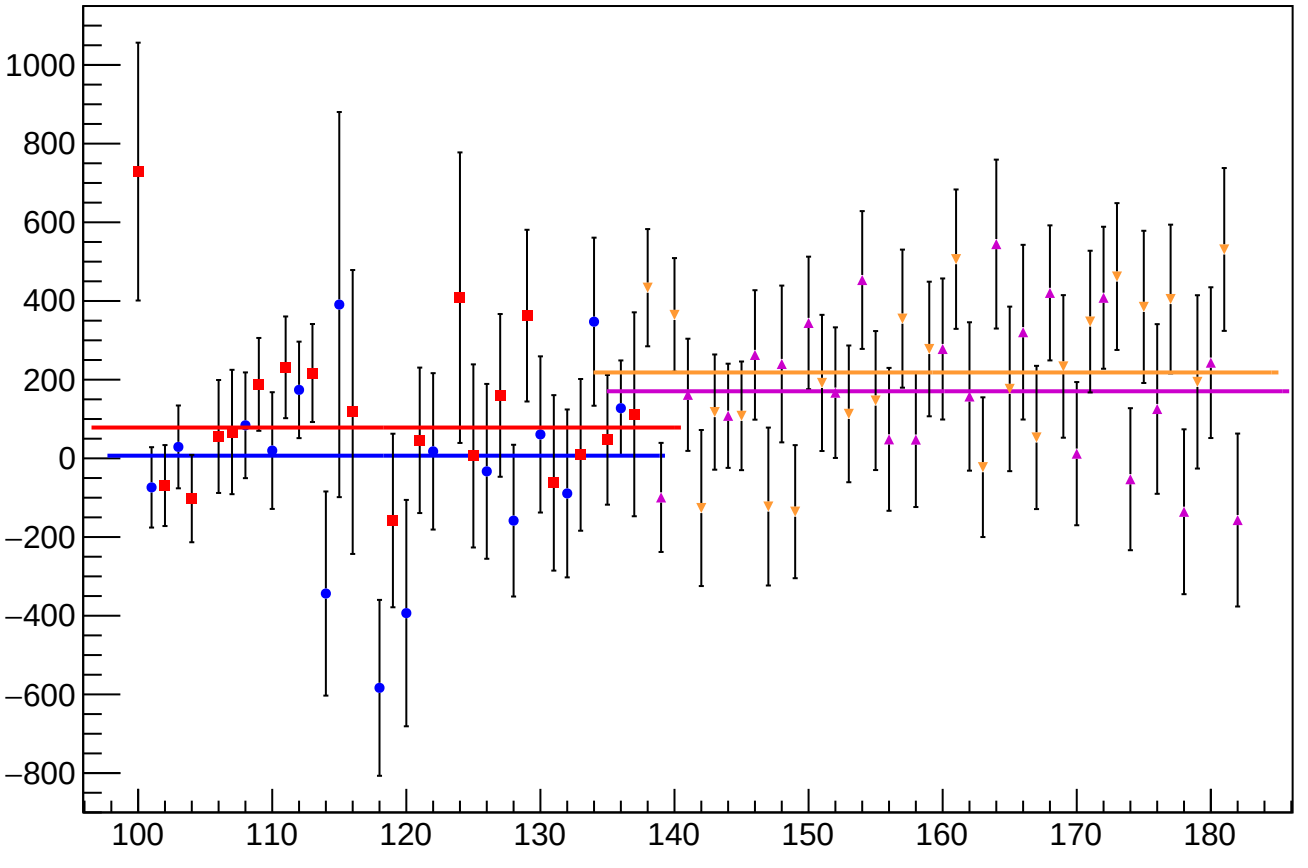
Left: 976.343+/-0.116 χ^2/NDF: 918746.5/44

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 882.418+/-0.129 χ^2/NDF:3150115.2/37

Out: 854.360+/-0.124 χ^2/NDF:3649909.6/41

All: 867.891+/-0.089 χ^2/NDF: 6824678.2/79



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 218.333+/-36.571 χ^2/NDF:27.4/22

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 170.518+/-37.587 χ^2/NDF:23.6/21

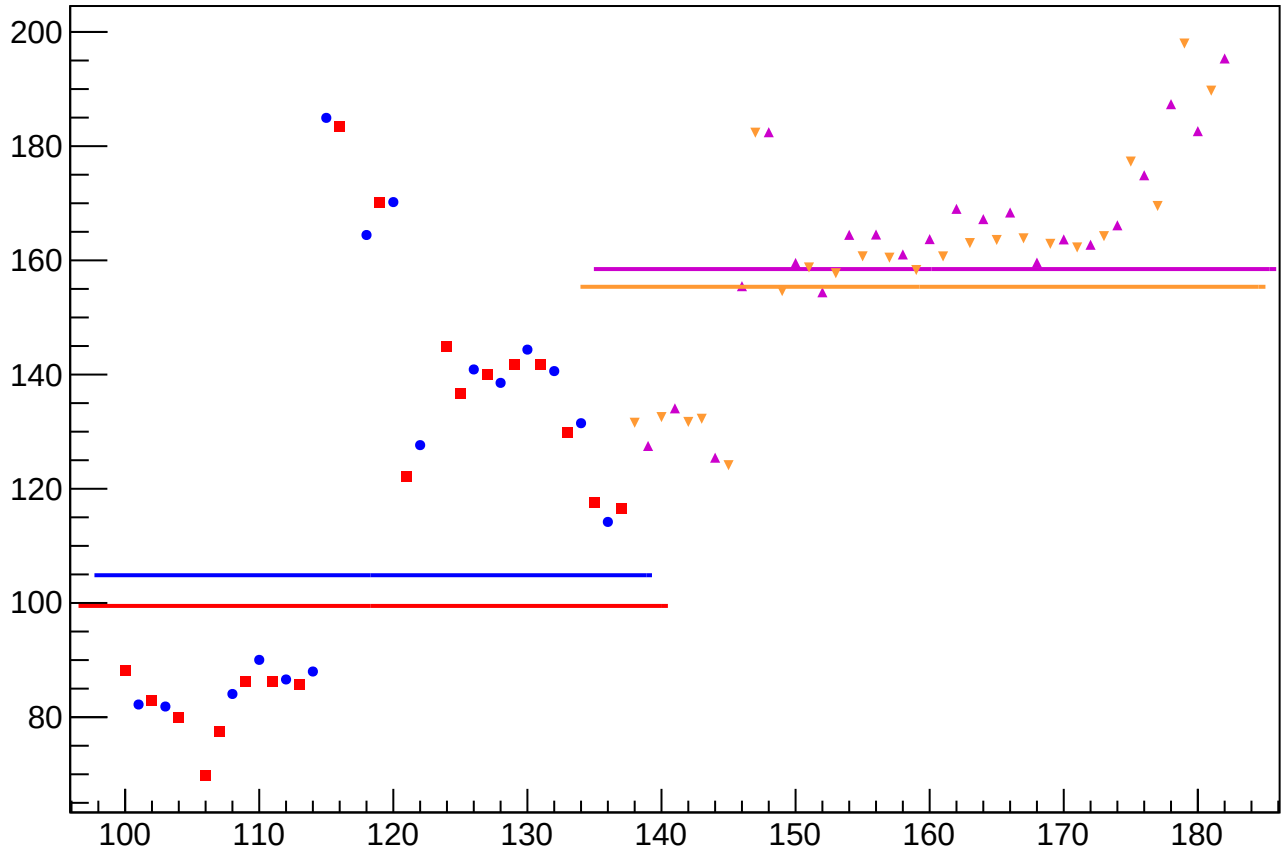
Left: 195.080+/-26.212 χ^2/NDF: 51.8/44

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 94.462+/-27.504 χ^2/NDF:51.2/37

Out: 150.853+/-26.320 χ^2/NDF:51.1/41

All: 123.897+/-19.016 χ^2/NDF: 104.6/79



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 155.373+/-0.026 χ^2/NDF:513685.5/22

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 158.476+/-0.027 χ^2/NDF:478117.2/21

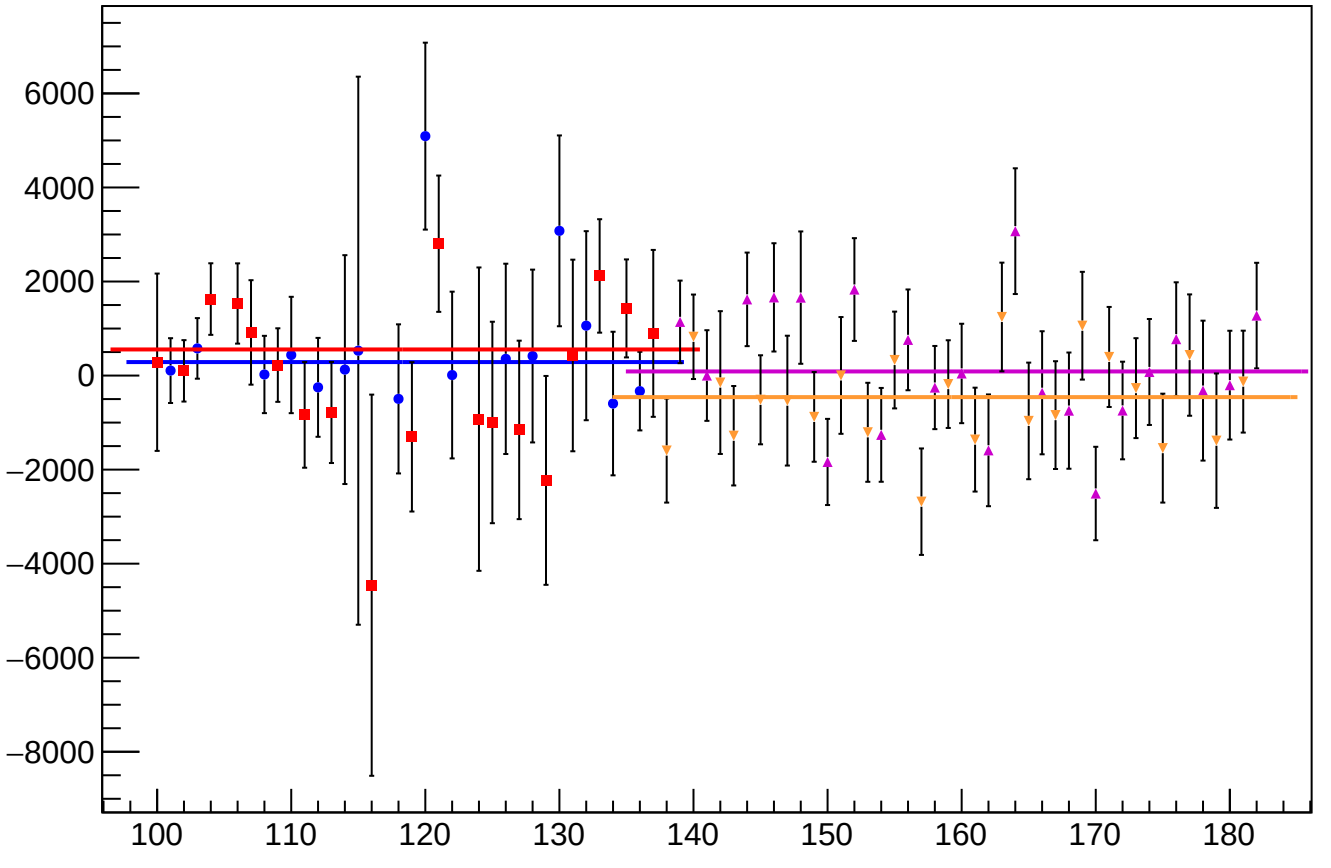
Left: 156.882+/-0.019 χ^2/NDF: 998805.1/44

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 133.568+/-0.019 χ^2/NDF:3299890.6/37

Out: 128.431+/-0.019 χ^2/NDF:3806535.3/41

All: 130.887+/-0.013 χ^2/NDF: 7142842.9/79



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -458.327+/-230.956 χ^2/NDF:16.5/22

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 87.577+/-231.660 χ^2/NDF:32.9/21

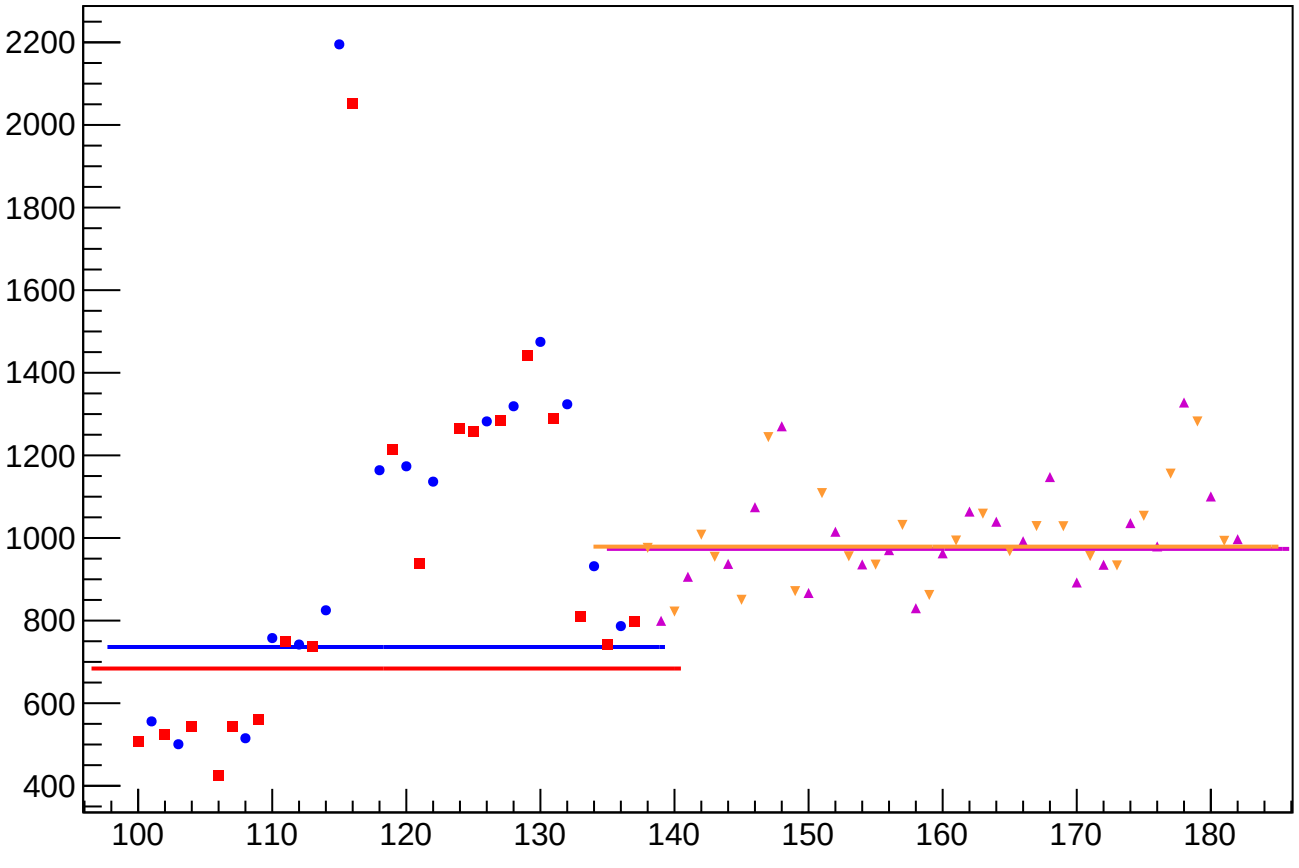
Left: -186.207+/-163.559 χ^2/NDF: 52.2/44

Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 164.104+/-181.835 χ^2/NDF:42.8/37

Out: -29.895+/-175.494 χ^2/NDF:42.7/41

All: 63.663+/-126.275 χ^2/NDF: 86.1/79



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 979.070+/-0.163 χ^2/NDF:419681.5/22

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 973.600+/-0.164 χ^2/NDF:498505.9/21

Left: 976.343+/-0.116 χ^2/NDF: 918746.5/44

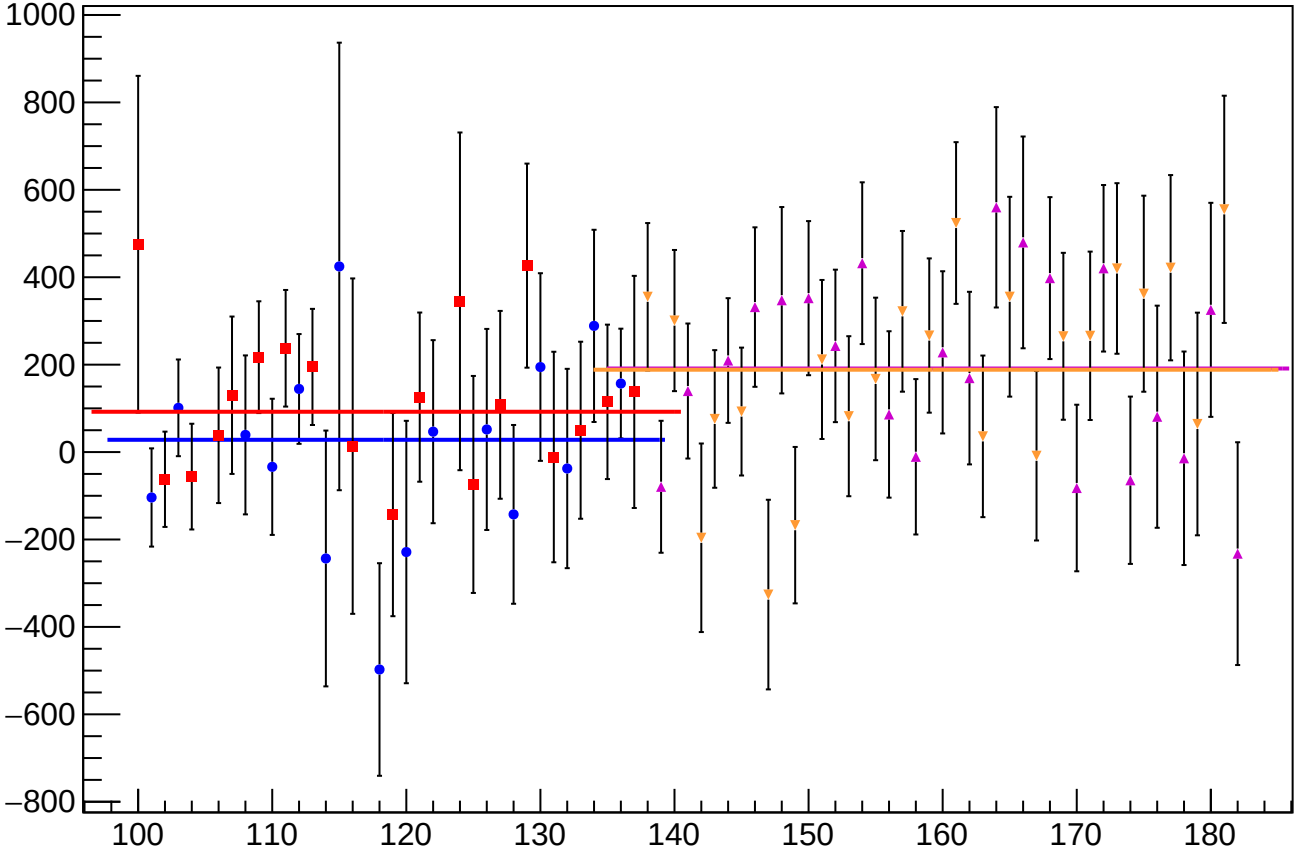
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 882.418+/-0.129 χ^2/NDF:3150115.2/37

Out: 854.360+/-0.124 χ^2/NDF:3649909.6/41

All: 867.891+/-0.089 χ^2/NDF: 6824678.2/79

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 188.417+/-39.453 χ^2/NDF:27.6/22

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 191.183+/-40.585 χ^2/NDF:23.2/21

Left: 189.761+/-28.289 χ^2/NDF: 50.8/44

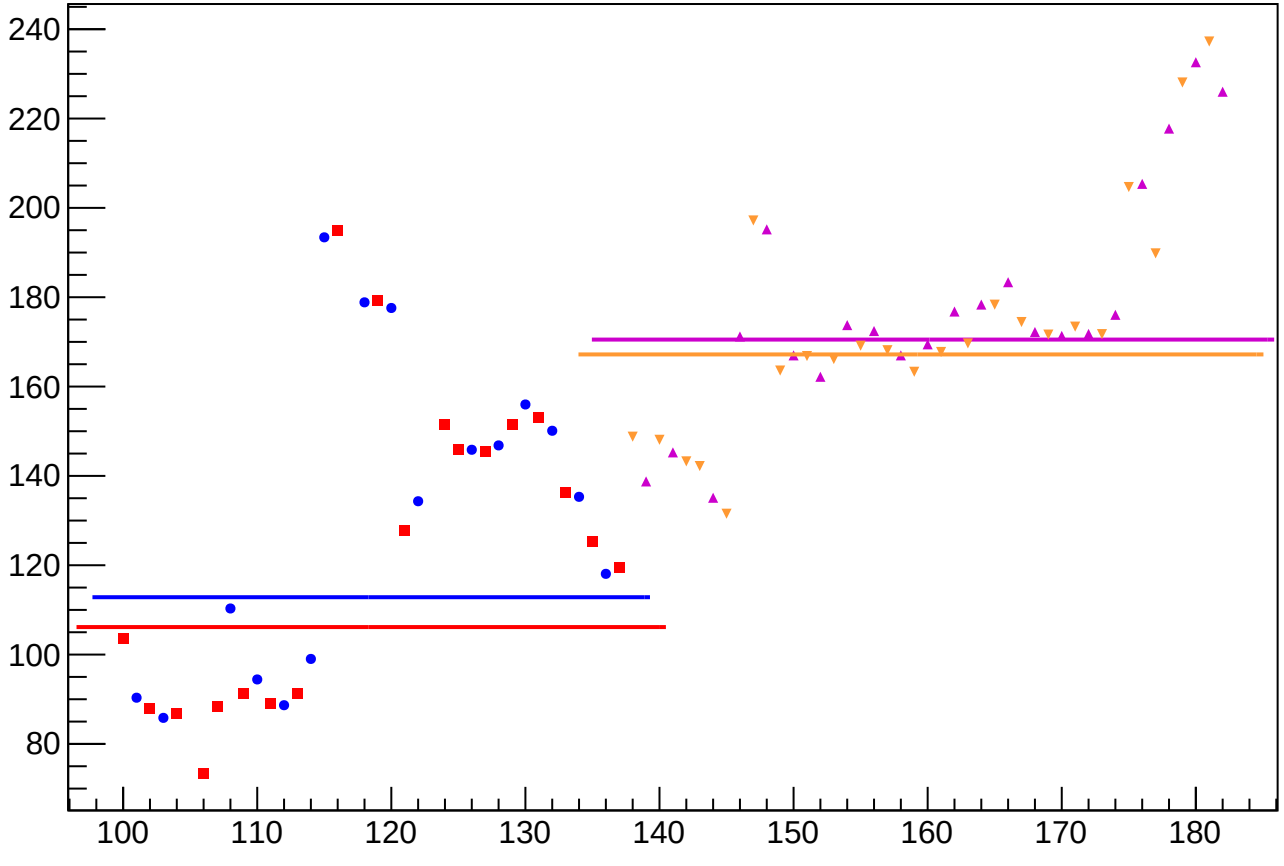
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 115.172+/-29.655 χ^2/NDF:44.3/37

Out: 141.637+/-28.274 χ^2/NDF:42.2/41

All: 129.036+/-20.463 χ^2/NDF: 86.9/79

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 167.193+/-0.028 χ^2/NDF:636426.5/22

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 170.517+/-0.029 χ^2/NDF:646862.7/21

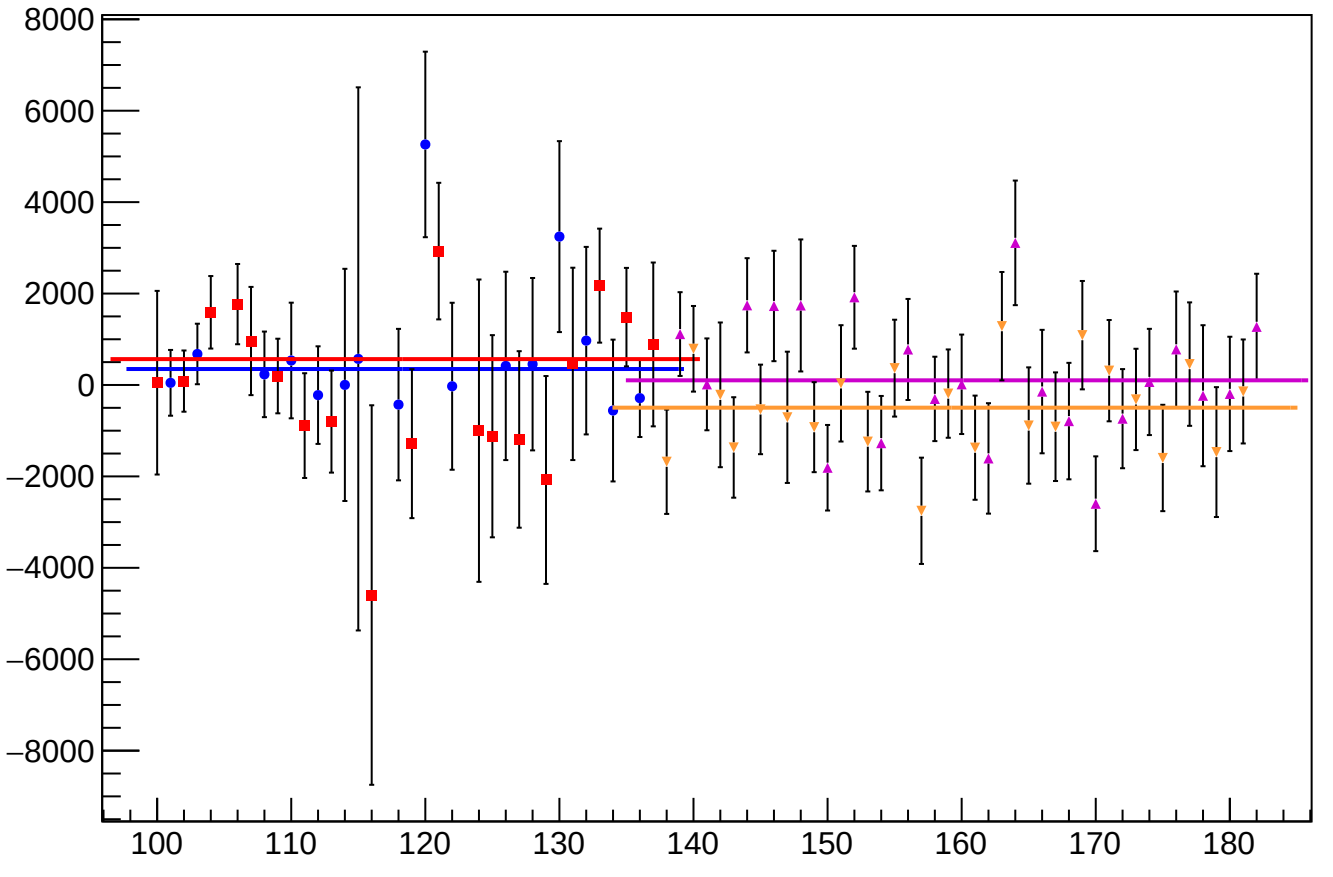
Left: 168.808+/-0.020 χ^2/NDF: 1290183.8/44

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 143.637+/-0.021 χ^2/NDF:3401519.2/37

Out: 137.504+/-0.020 χ^2/NDF:3966906.4/41

All: 140.424+/-0.014 χ^2/NDF: 7413221.3/79



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -496.608+/-238.647 χ^2/NDF:16.4/22

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 101.787+/-240.215 χ^2/NDF:32.2/21

Left: -199.370+/-169.300 χ^2/NDF: 51.7/44

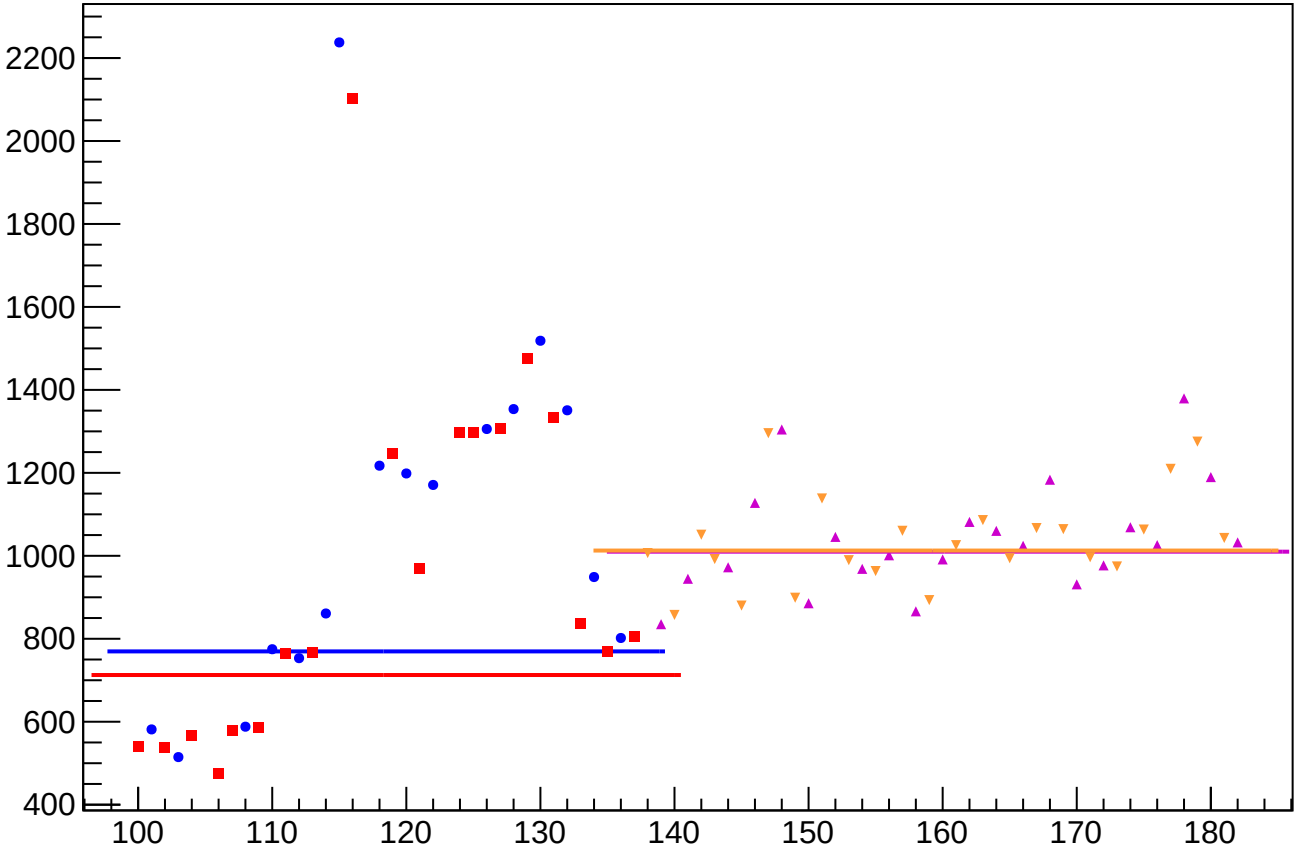
Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 196.345+/-188.791 χ^2/NDF:42.4/37

Out: -48.035+/-181.413 χ^2/NDF:43.1/41

All: 69.287+/-130.809 χ^2/NDF: 86.3/79

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 1012.682+/-0.169 χ^2/NDF:391779.7/22

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 1009.951+/-0.170 χ^2/NDF:498625.4/21

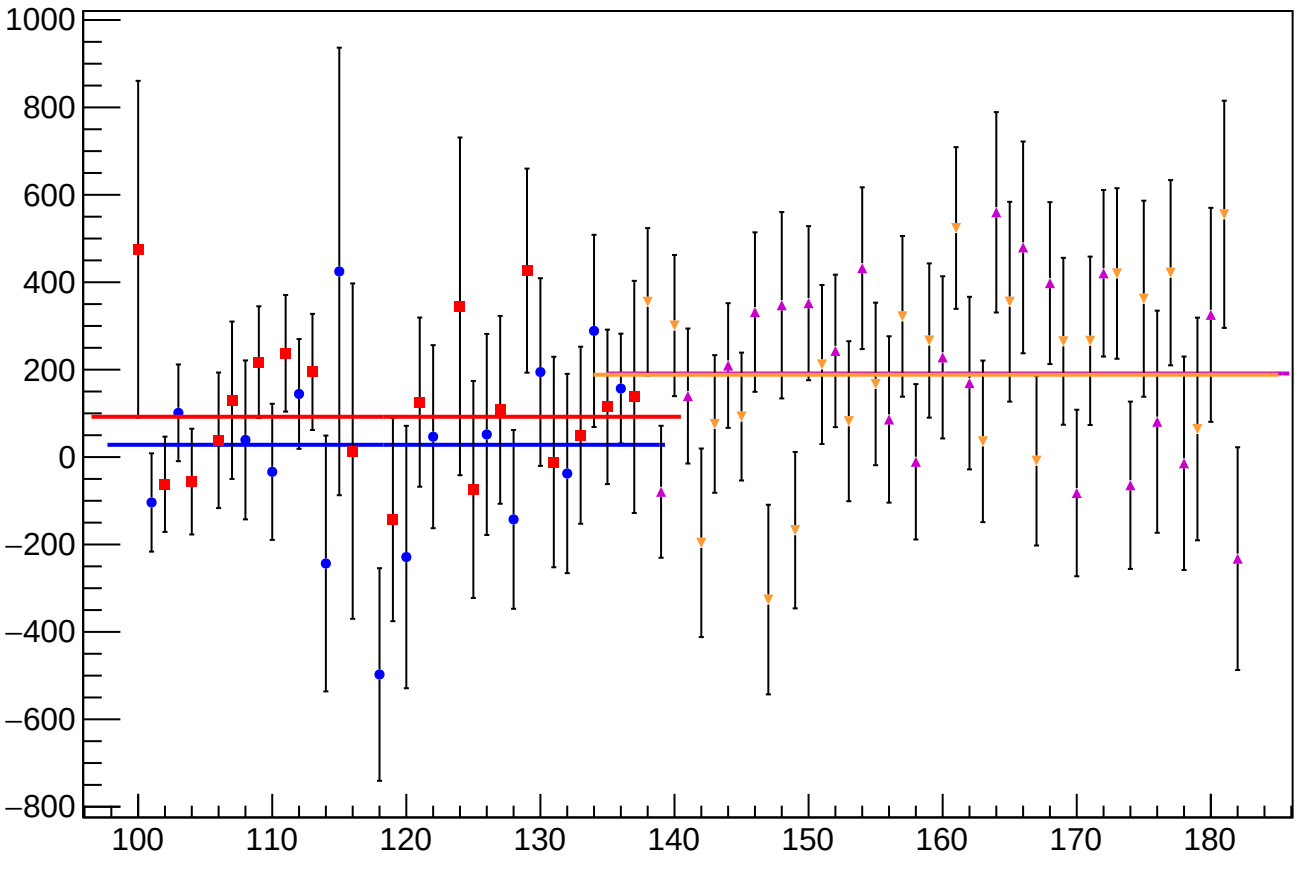
Left: 1011.326+/-0.120 χ^2/NDF: 890535.2/44

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 918.043+/-0.133 χ^2/NDF:3004345.5/37

Out: 886.020+/-0.128 χ^2/NDF:3493655.4/41

All: 901.394+/-0.092 χ^2/NDF: 6527920.5/79



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 188.418+/-39.453 χ^2/NDF:27.6/22

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 191.183+/-40.585 χ^2/NDF:23.2/21

Left: 189.762+/-28.289 χ^2/NDF: 50.8/44

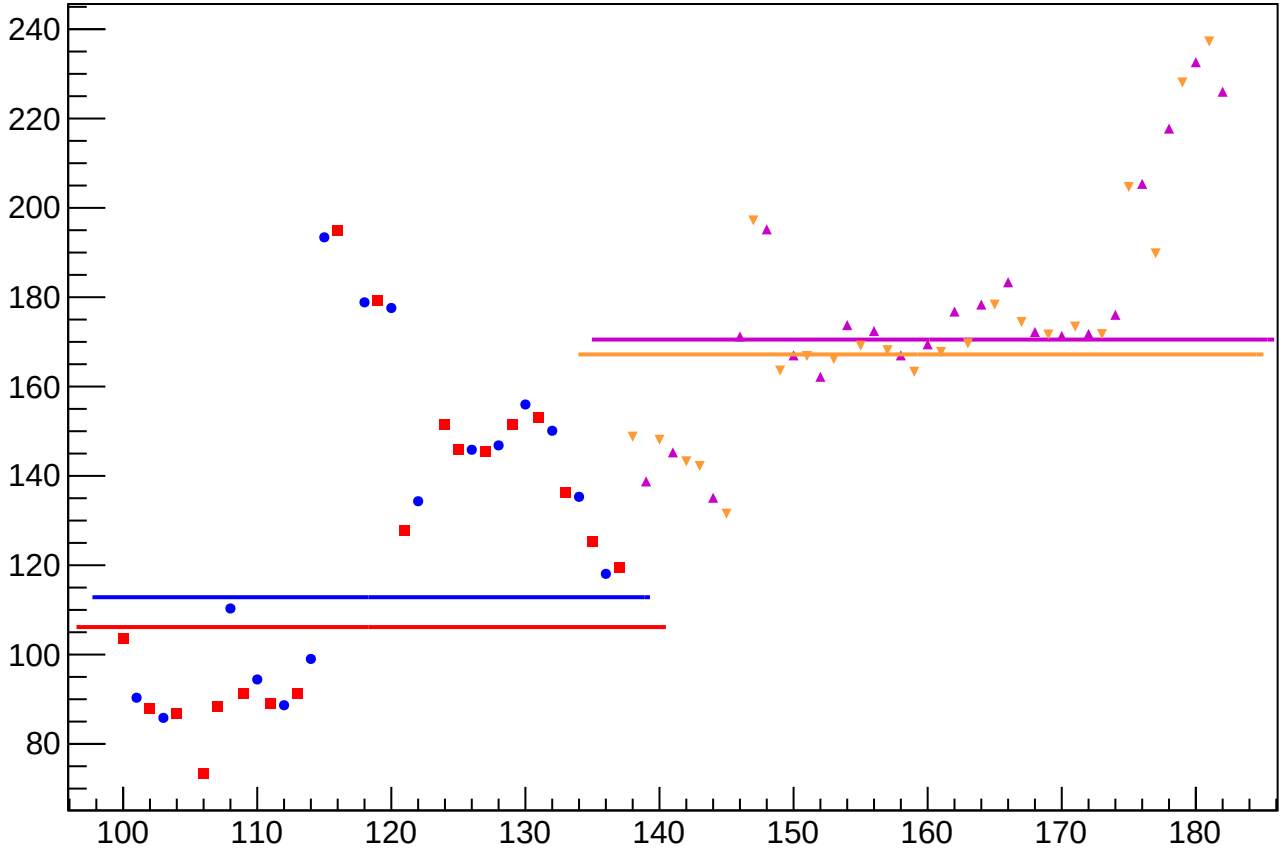
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 115.171+/-29.655 χ^2/NDF:44.3/37

Out: 141.638+/-28.274 χ^2/NDF:42.2/41

All: 129.036+/-20.463 χ^2/NDF: 86.9/79

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 167.194+/-0.028 χ^2/NDF:636415.1/22

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 170.517+/-0.029 χ^2/NDF:646852.9/21

Left: 168.808+/-0.020 χ^2/NDF: 1290163.3/44

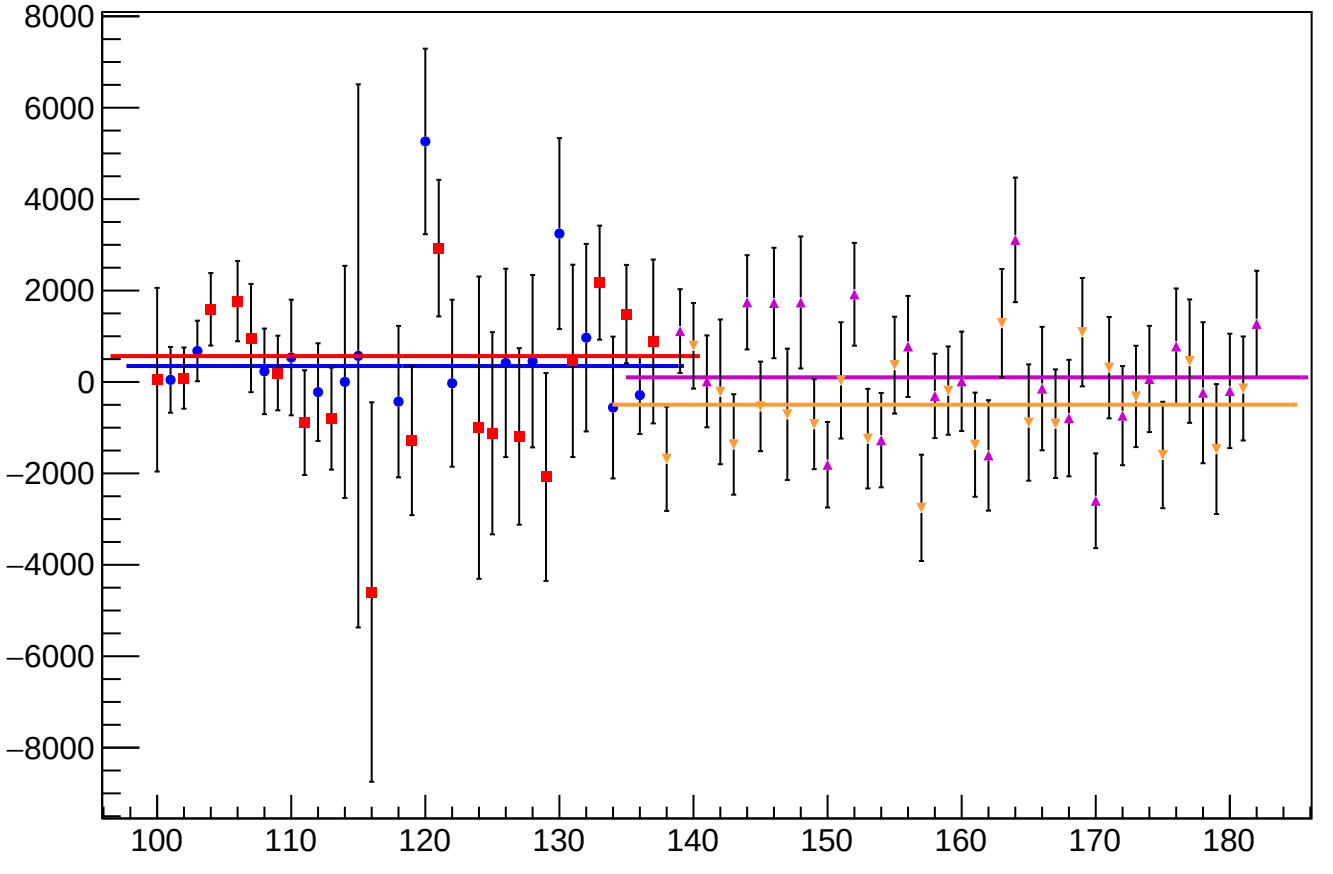
Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 143.636+/-0.021 χ^2/NDF:3401543.6/37

Out: 137.504+/-0.020 χ^2/NDF:3966912.4/41

All: 140.424+/-0.014 χ^2/NDF: 7413251.9/79

asym_sam5_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -496.607+/-238.647 χ^2/NDF:16.4/22

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 101.788+/-240.215 χ^2/NDF:32.2/21

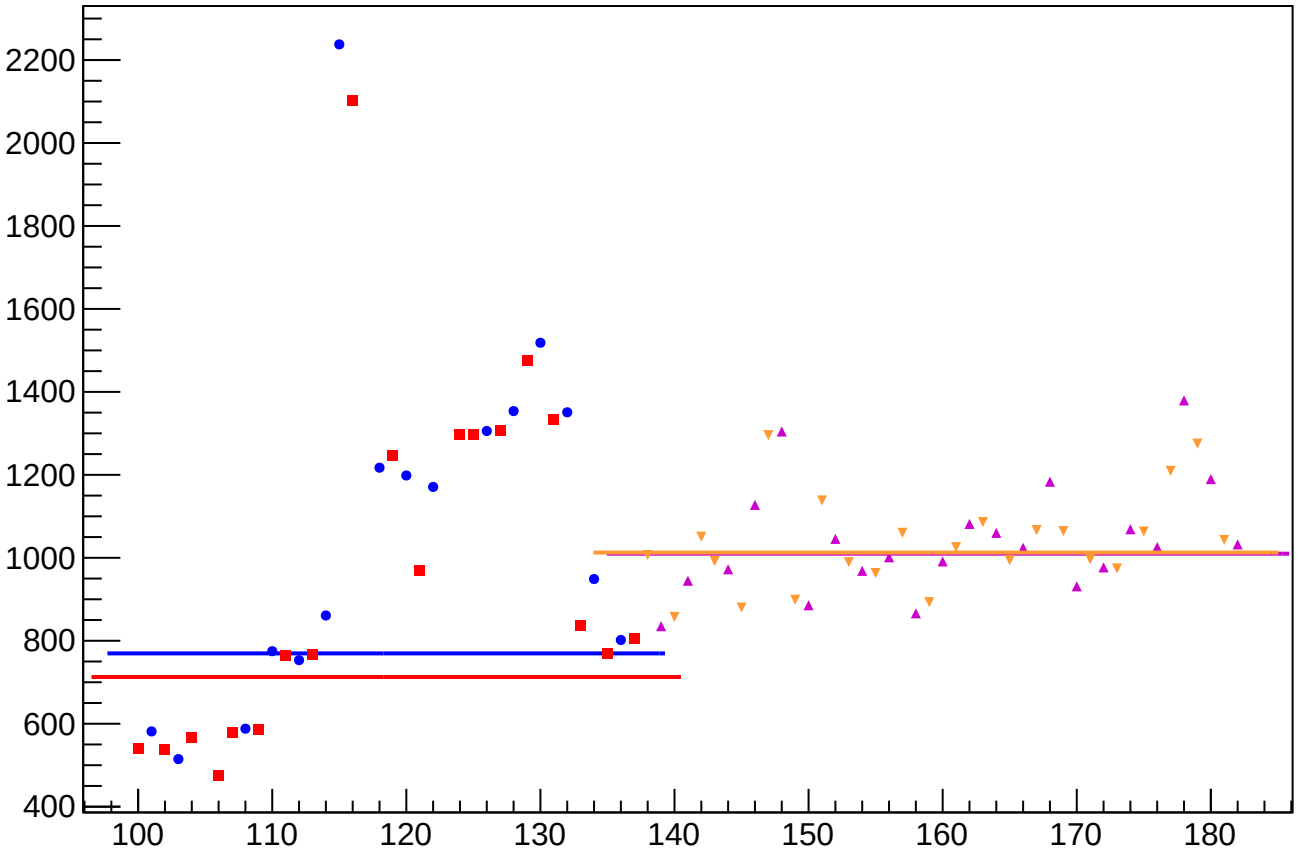
Left: -199.369+/-169.300 χ^2/NDF: 51.7/44

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 196.345+/-188.791 χ^2/NDF:42.4/37

Out: -48.033+/-181.413 χ^2/NDF:43.1/41

All: 69.288+/-130.809 χ^2/NDF: 86.3/79



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 1012.683+/-0.169 χ^2/NDF:391778.2/22

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 1009.952+/-0.170 χ^2/NDF:498625.4/21

Left: 1011.327+/-0.120 χ^2/NDF: 890533.7/44

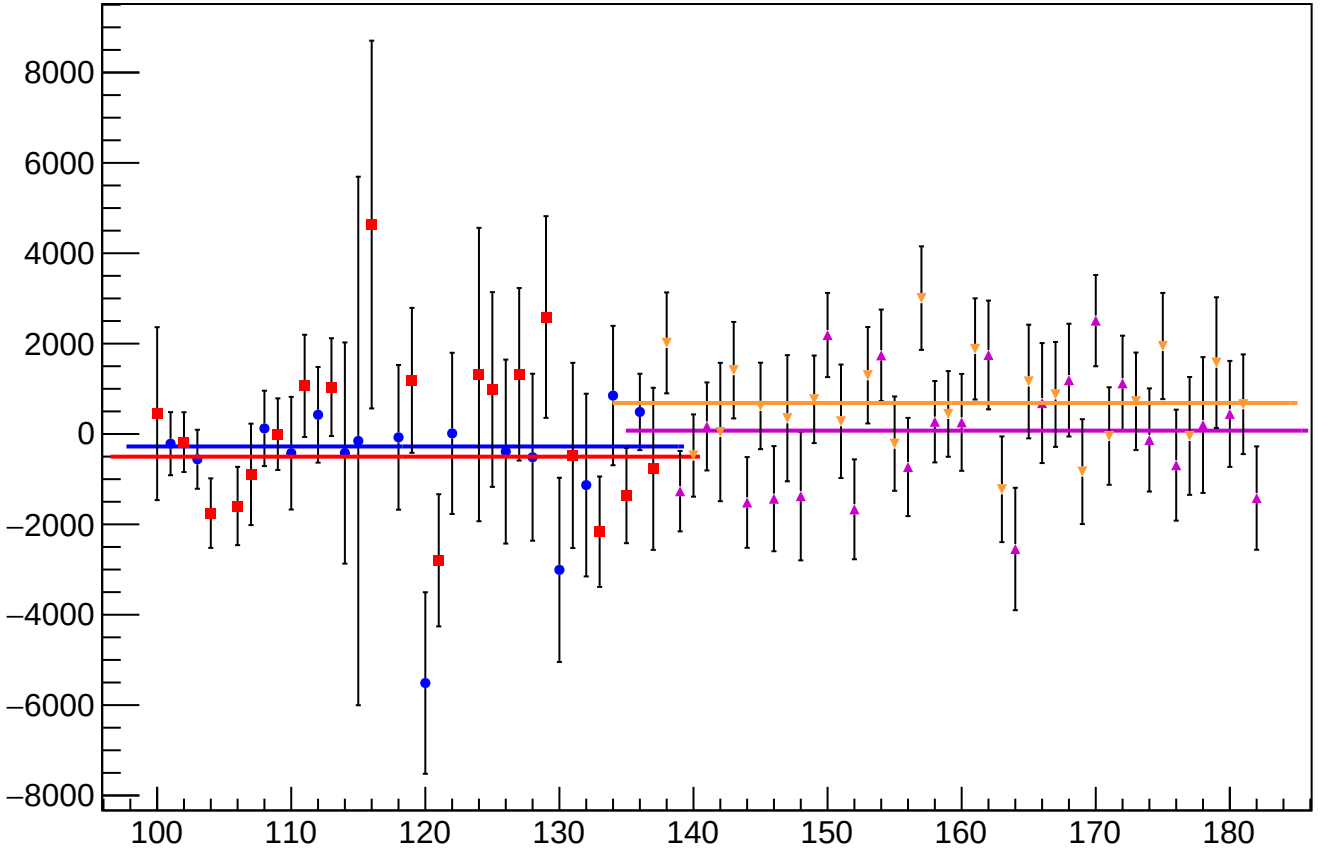
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 918.044+/-0.133 χ^2/NDF:3004359.3/37

Out: 886.019+/-0.128 χ^2/NDF:3493668.4/41

All: 901.394+/-0.092 χ^2/NDF: 6527947.6/79

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 685.517+/-234.006 χ^2/NDF:17.1/22

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: 74.141+/-234.889 χ^2/NDF:34.2/21

Left: 380.980+/-165.778 χ^2/NDF: 54.7/44

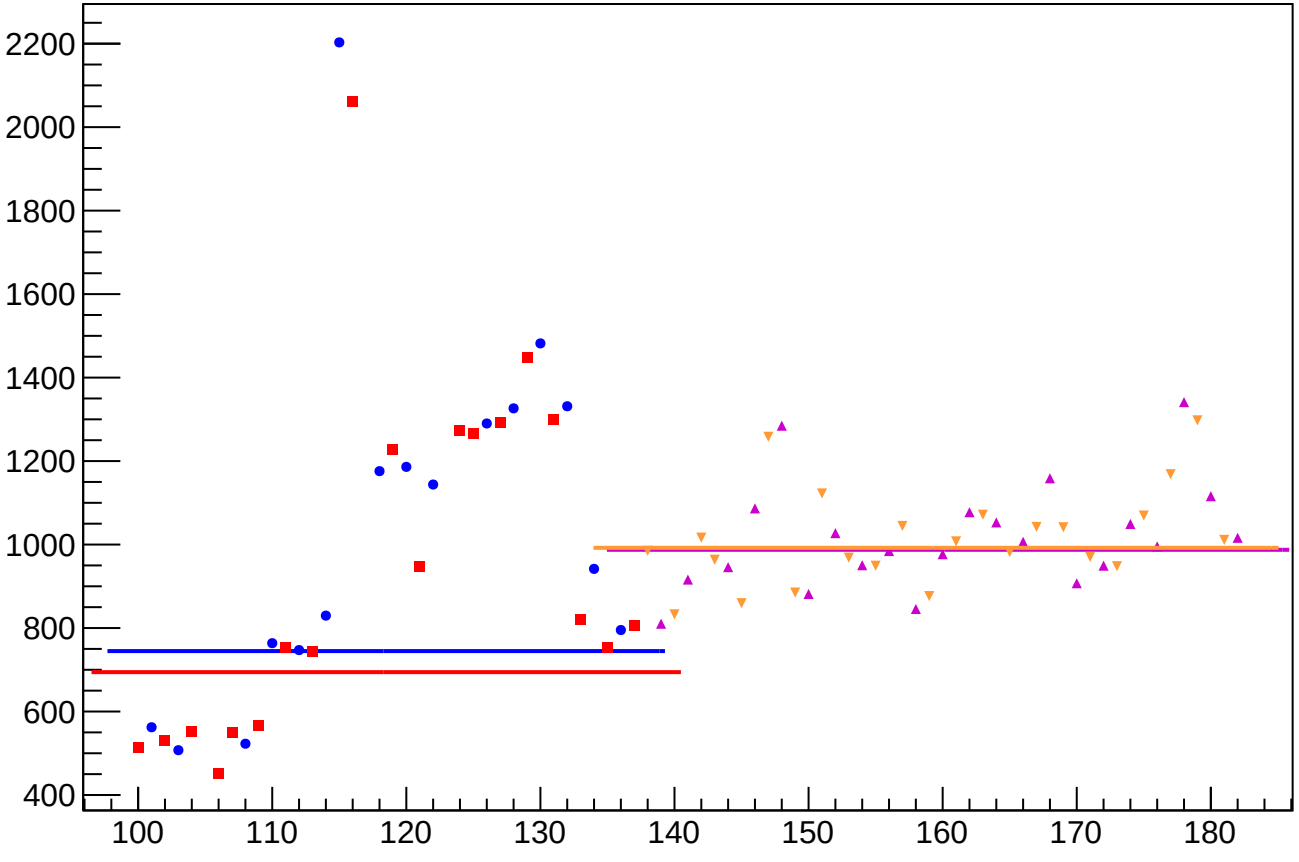
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -60.831+/-184.165 χ^2/NDF:46.1/37

Out: 182.540+/-177.666 χ^2/NDF:48.5/41

All: 65.225+/-127.865 χ^2/NDF: 95.5/79

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 992.228+/-0.165 χ^2/NDF:414918.3/22

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 987.445+/-0.166 χ^2/NDF:487469.6/21

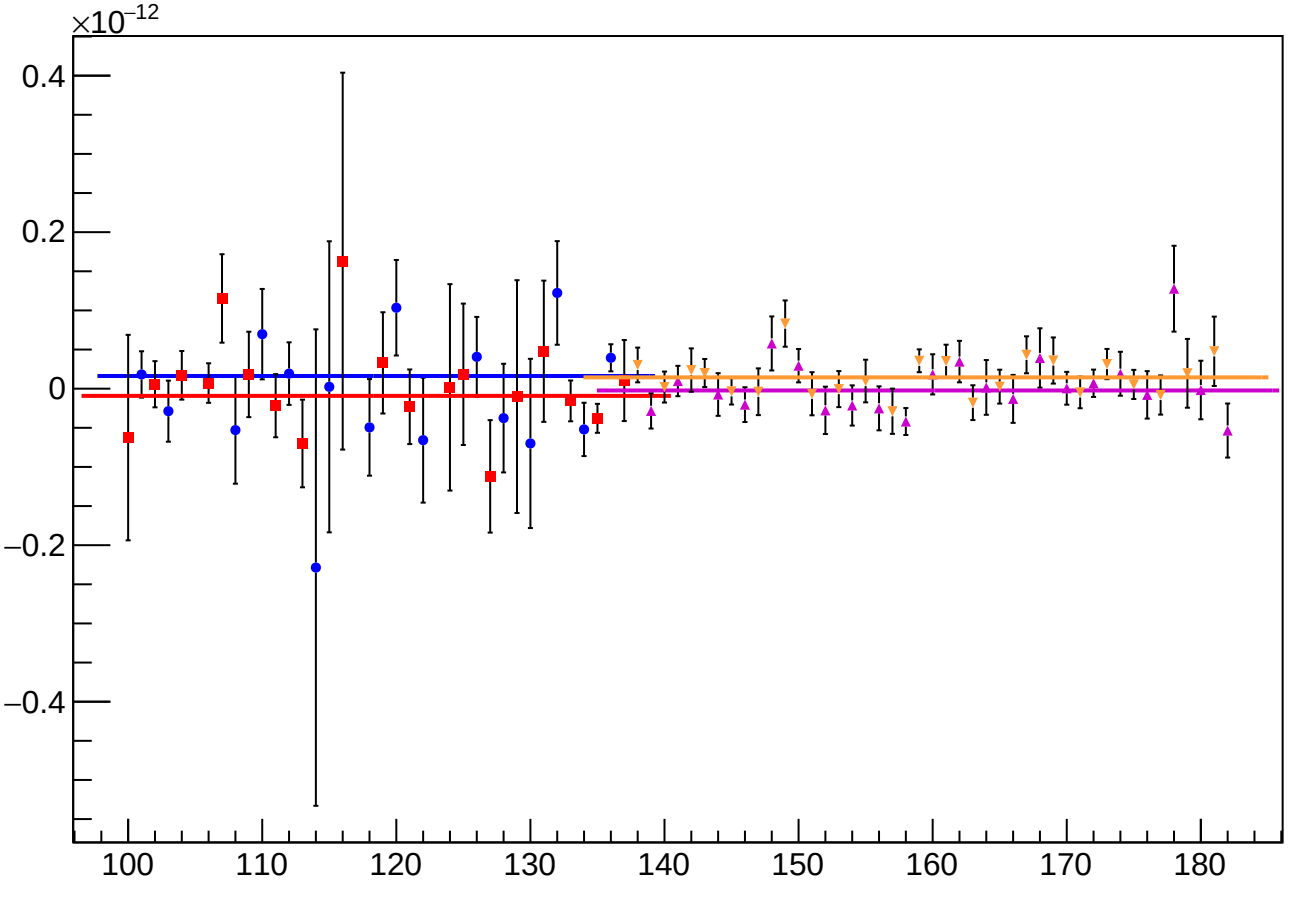
Left: 989.845+/-0.117 χ^2/NDF: 902804.2/44

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 893.956+/-0.130 χ^2/NDF:3132388.4/37

Out: 866.059+/-0.126 χ^2/NDF:3591349.7/41

All: 879.507+/-0.090 χ^2/NDF: 6747509.3/79



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.1/22

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:27.5/21

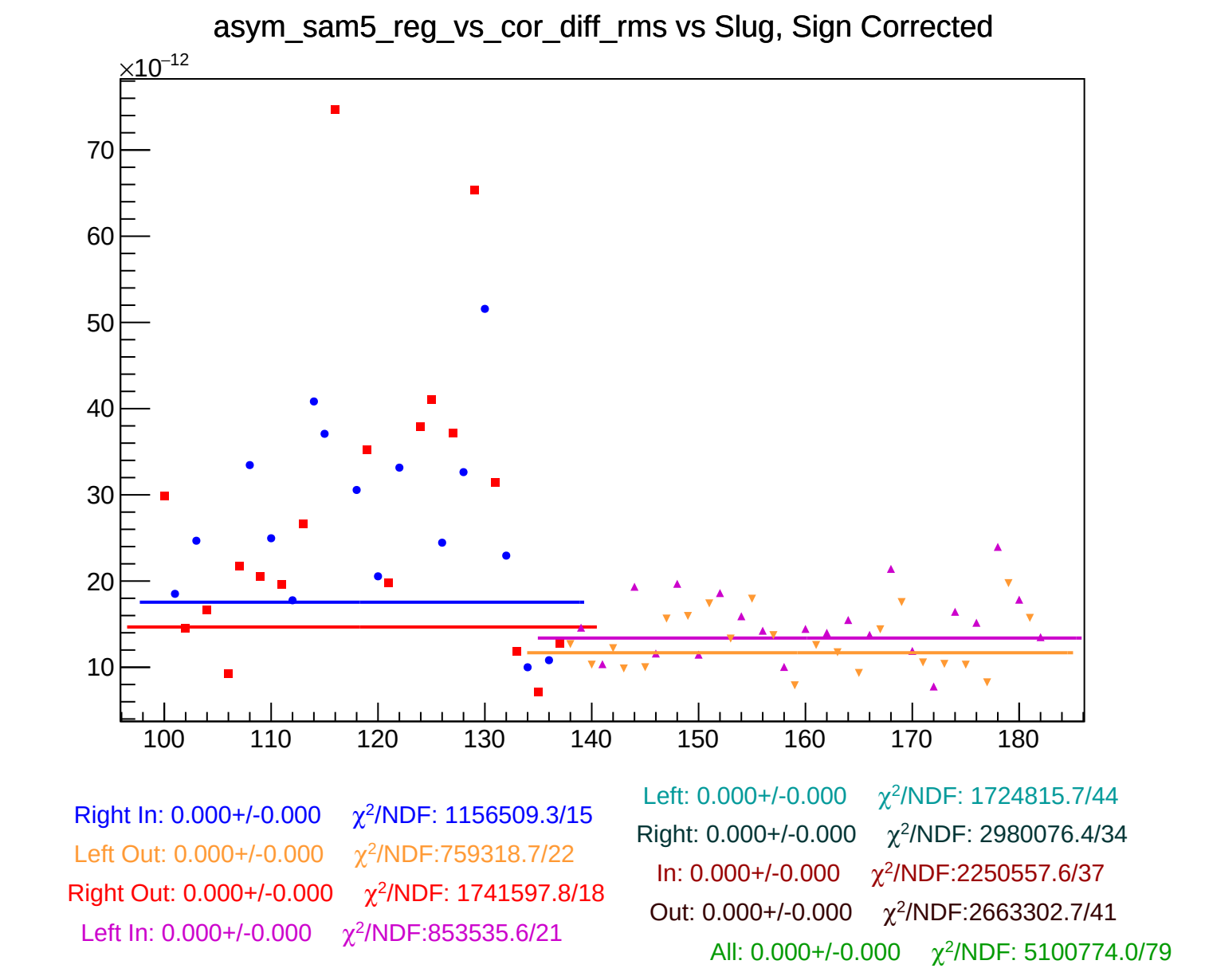
Left: 0.000+/-0.000 χ^2/NDF: 55.1/44

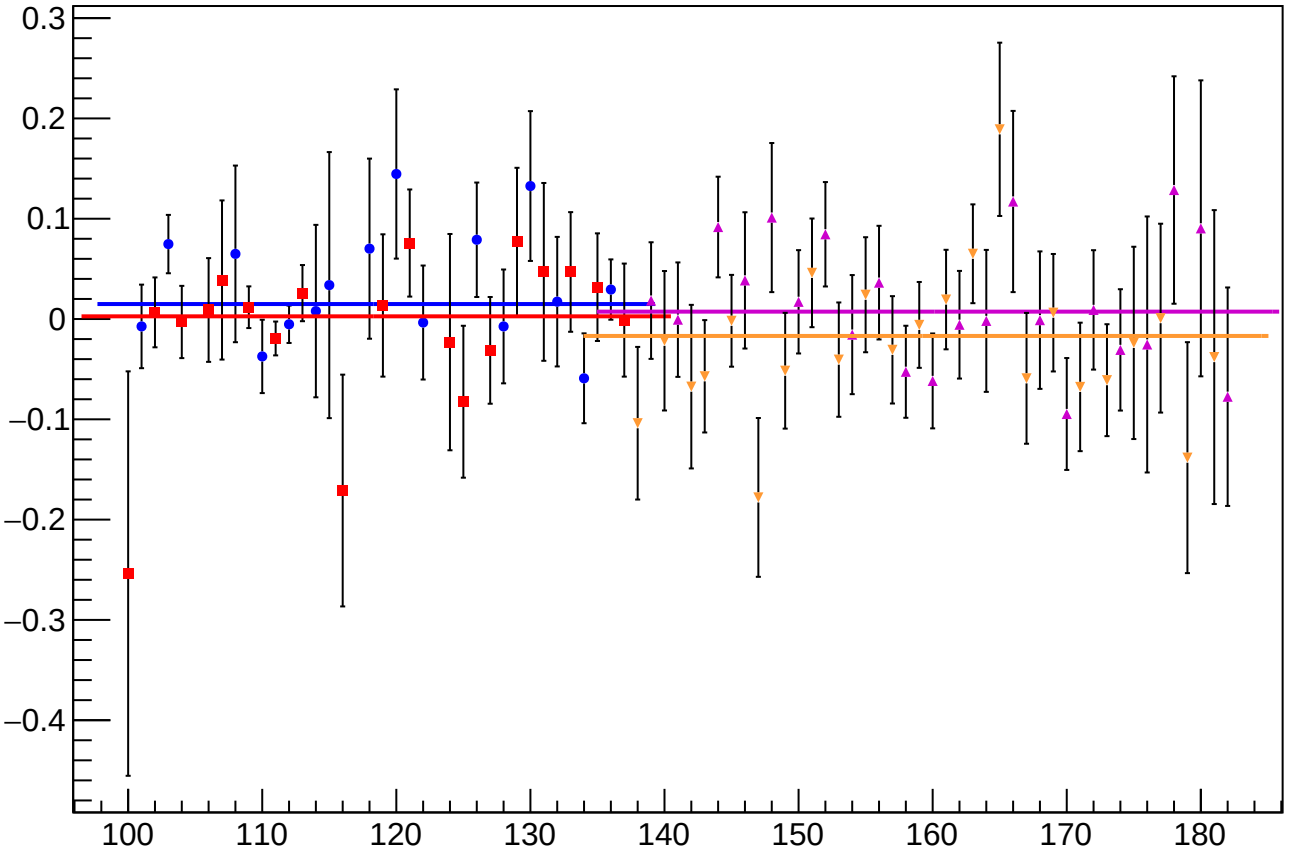
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:47.9/37

Out: 0.000+/-0.000 χ^2/NDF:41.3/41

All: 0.000+/-0.000 χ^2/NDF: 90.8/79


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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:759318.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:853535.6/21
Left: 0.000+/-0.000 χ²/NDF: 1724815.7/44
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:2250557.6/37
Out: 0.000+/-0.000 χ²/NDF:2663302.7/41
All: 0.000+/-0.000 χ²/NDF: 5100774.0/79



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/22

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.007+/-0.013 χ^2/NDF:18.6/21

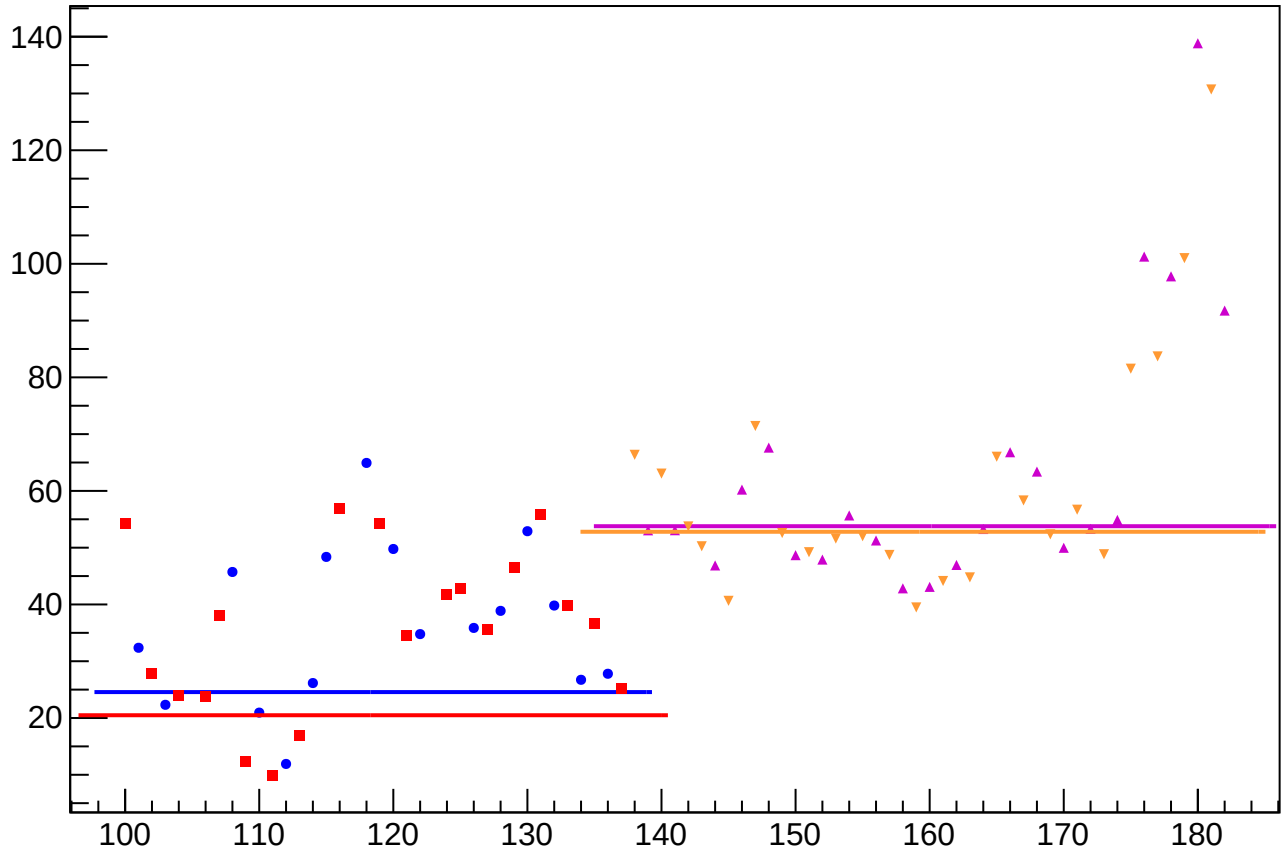
Left: -0.005+/-0.009 χ^2/NDF: 41.3/44

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:36.6/37

Out: -0.004+/-0.008 χ^2/NDF:34.9/41

All: 0.003+/-0.006 χ^2/NDF: 73.6/79



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.804+/-0.009 χ^2/NDF:2082558.5/22

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.782+/-0.009 χ^2/NDF:2002337.2/21

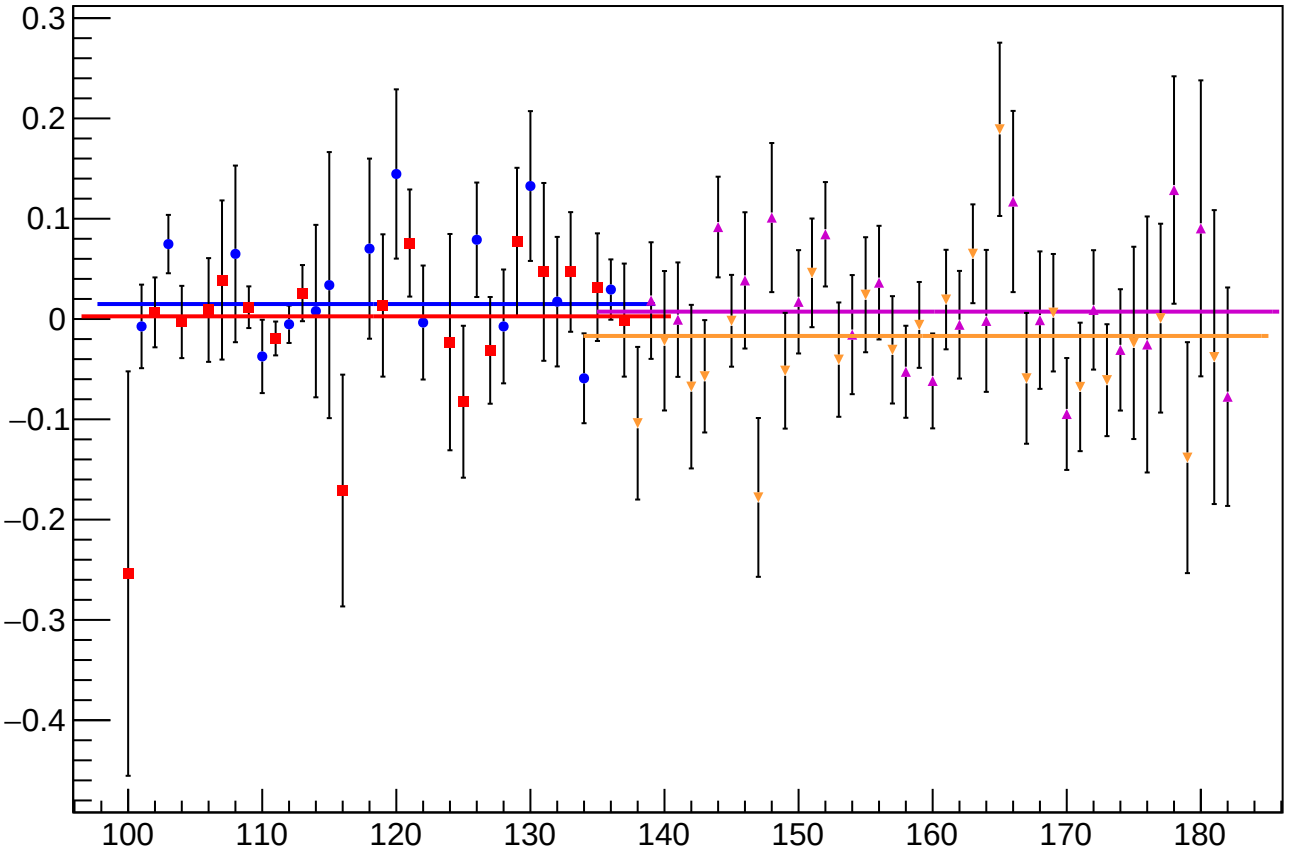
Left: 53.279+/-0.007 χ^2/NDF: 4090501.5/44

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 35.943+/-0.006 χ^2/NDF:10417484.3/37

Out: 31.438+/-0.005 χ^2/NDF:13980696.3/41

All: 33.471+/-0.004 χ^2/NDF: 24723604.4/79



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/22

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.007+/-0.013 χ^2/NDF:18.6/21

Left: -0.005+/-0.009 χ^2/NDF: 41.3/44

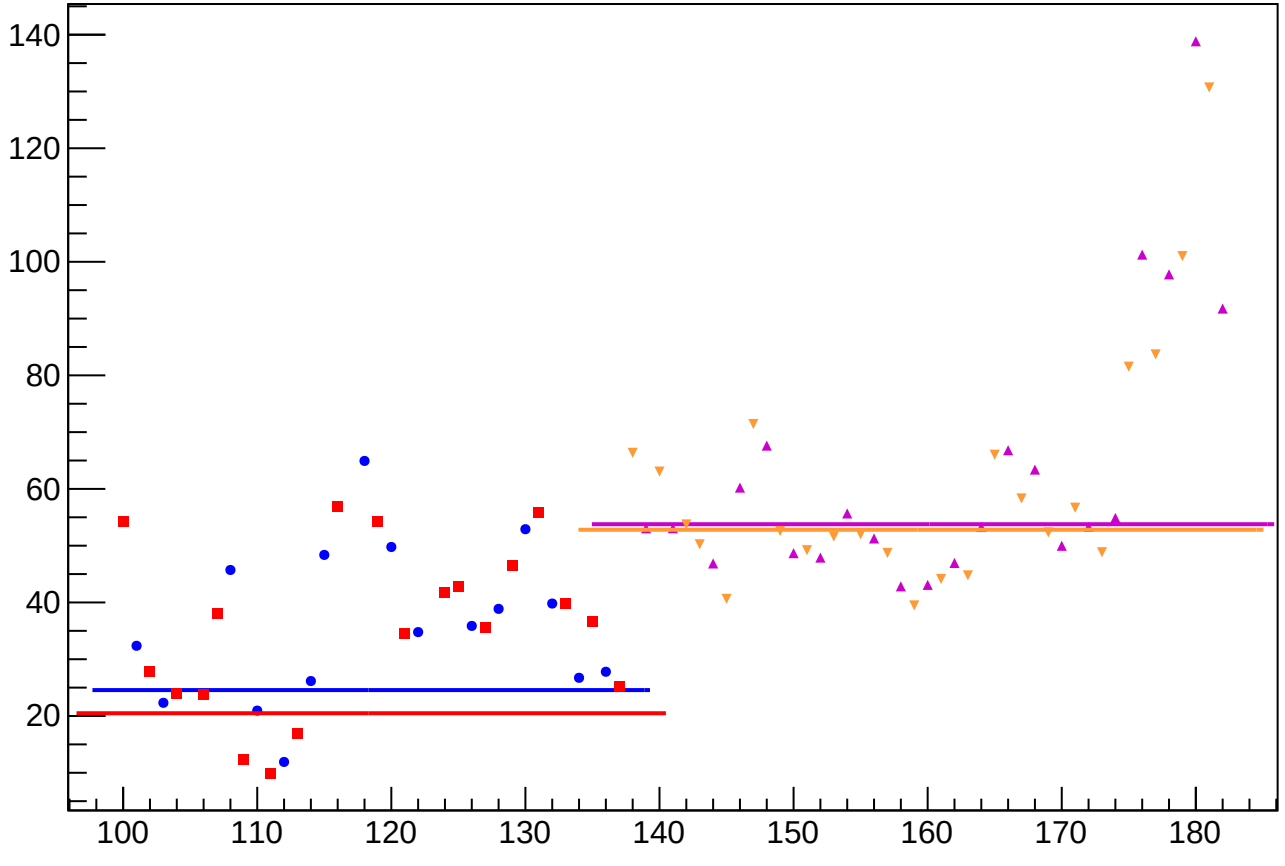
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:36.6/37

Out: -0.004+/-0.008 χ^2/NDF:34.9/41

All: 0.003+/-0.006 χ^2/NDF: 73.6/79

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.804+/-0.009 χ^2/NDF:2082558.5/22

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.782+/-0.009 χ^2/NDF:2002337.2/21

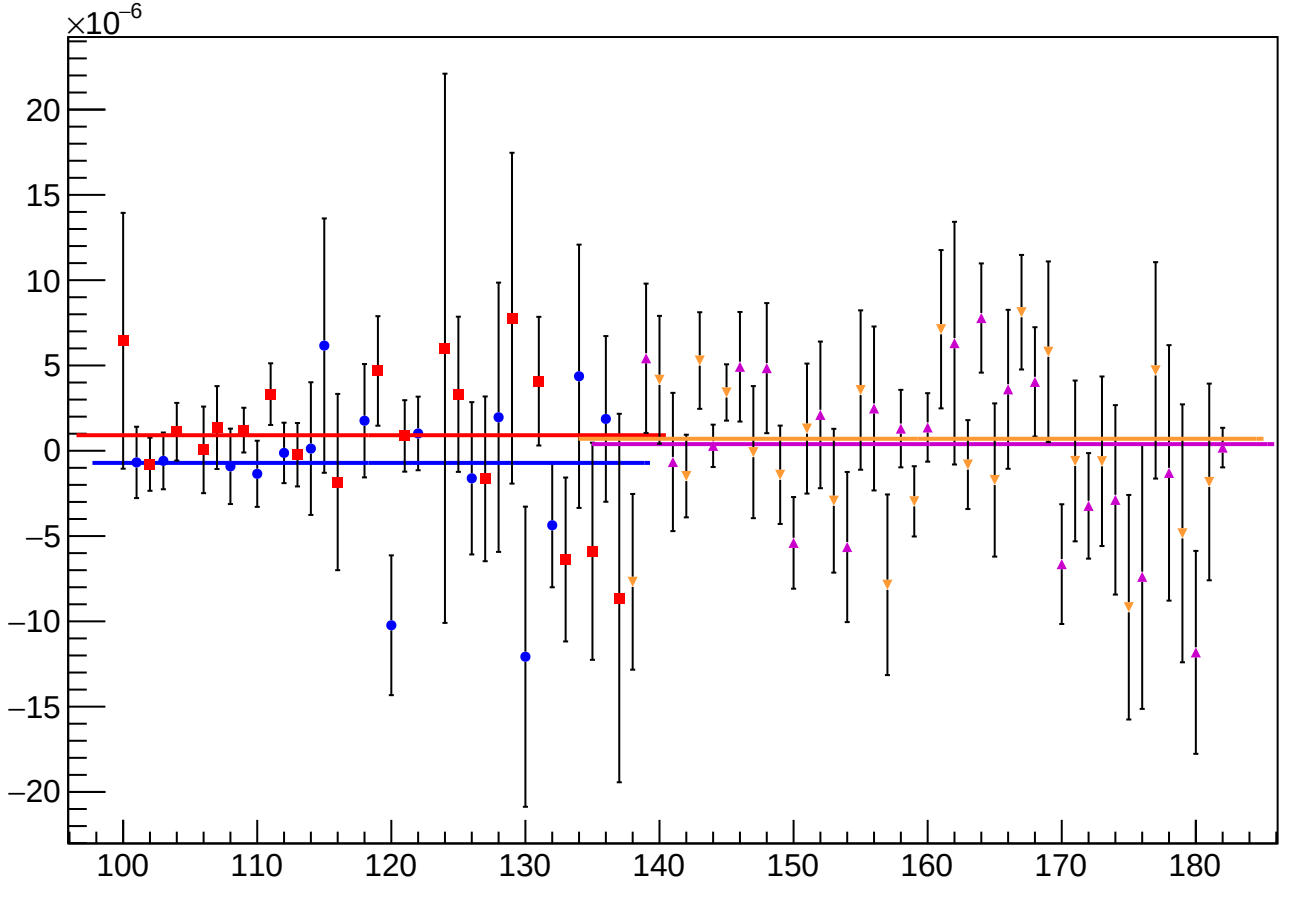
Left: 53.279+/-0.007 χ^2/NDF: 4090501.5/44

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 35.943+/-0.006 χ^2/NDF:10417484.3/37

Out: 31.438+/-0.005 χ^2/NDF:13980696.3/41

All: 33.471+/-0.004 χ^2/NDF: 24723604.4/79



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:30.9/21

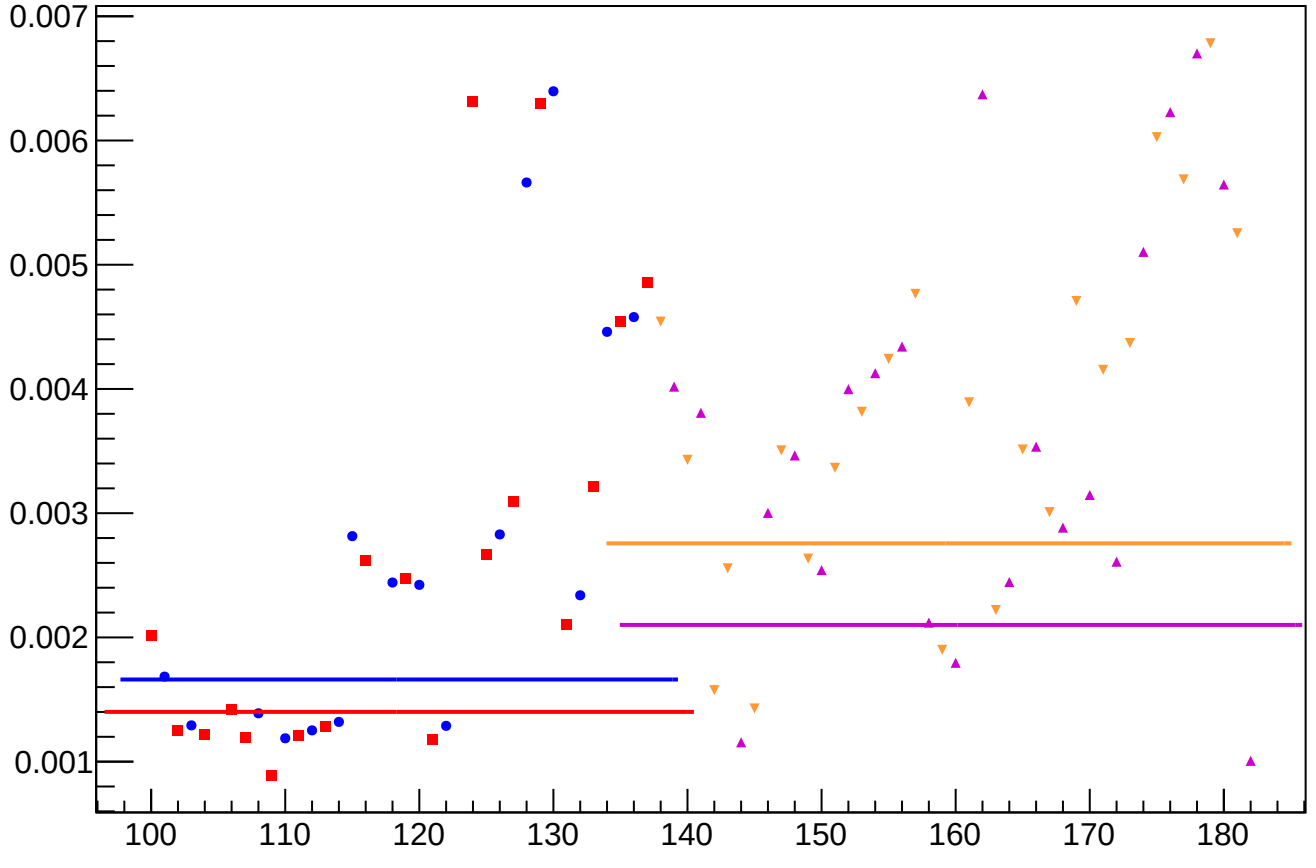
Left: 0.000+/-0.000 χ^2/NDF: 60.0/44

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:43.6/37

Out: 0.000+/-0.000 χ^2/NDF:40.9/41

All: 0.000+/-0.000 χ^2/NDF: 86.5/79



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:5970846.4/22

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:9343335.0/21

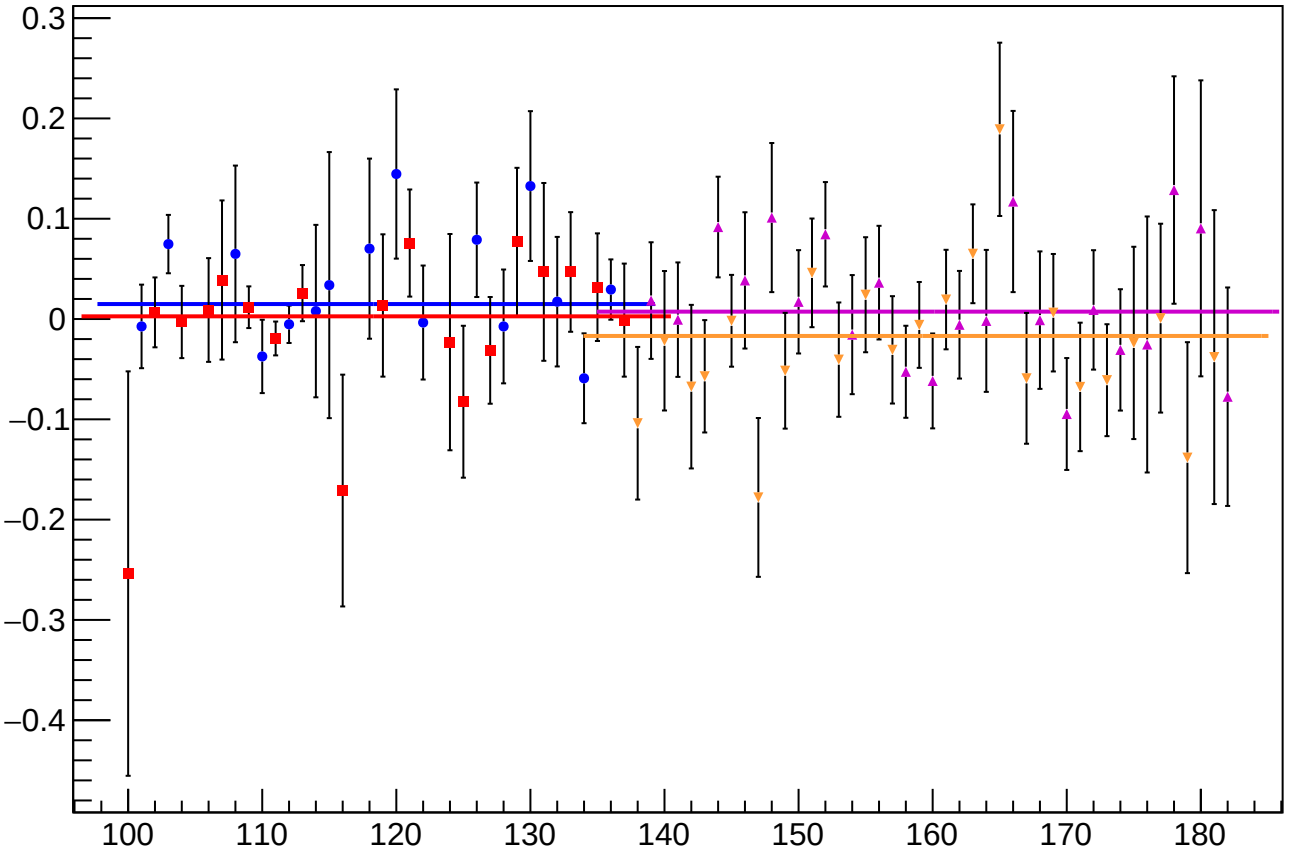
Left: 0.002+/-0.000 χ^2/NDF: 16325346.3/44

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:12750864.3/37

Out: 0.002+/-0.000 χ^2/NDF:13175531.2/41

All: 0.002+/-0.000 χ^2/NDF: 25929640.5/79



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/22

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.007+/-0.013 χ^2/NDF:18.6/21

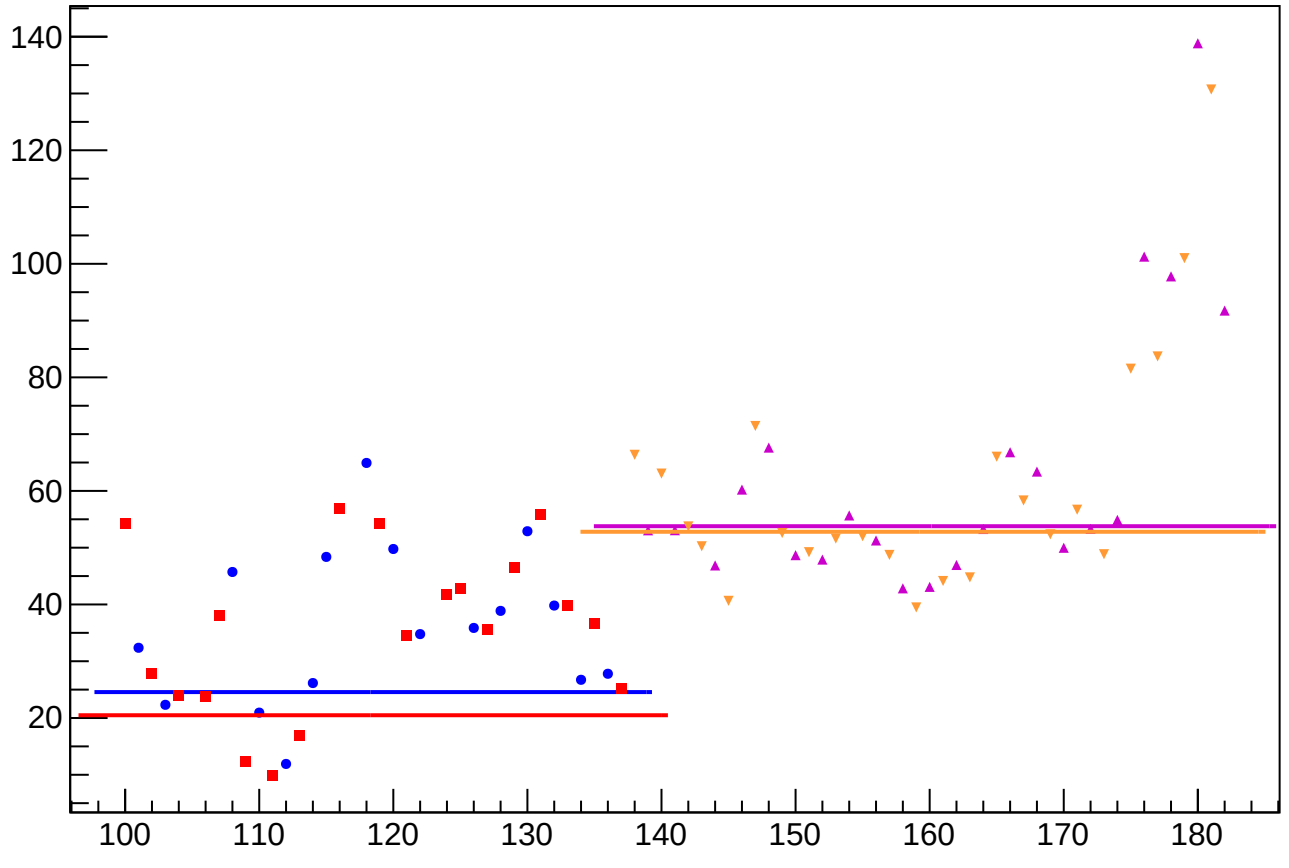
Left: -0.005+/-0.009 χ^2/NDF: 41.3/44

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:36.6/37

Out: -0.004+/-0.008 χ^2/NDF:34.9/41

All: 0.003+/-0.006 χ^2/NDF: 73.6/79



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.804+/-0.009 χ^2/NDF:2082607.9/22

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.783+/-0.009 χ^2/NDF:2002378.2/21

Left: 53.279+/-0.007 χ^2/NDF: 4090592.6/44

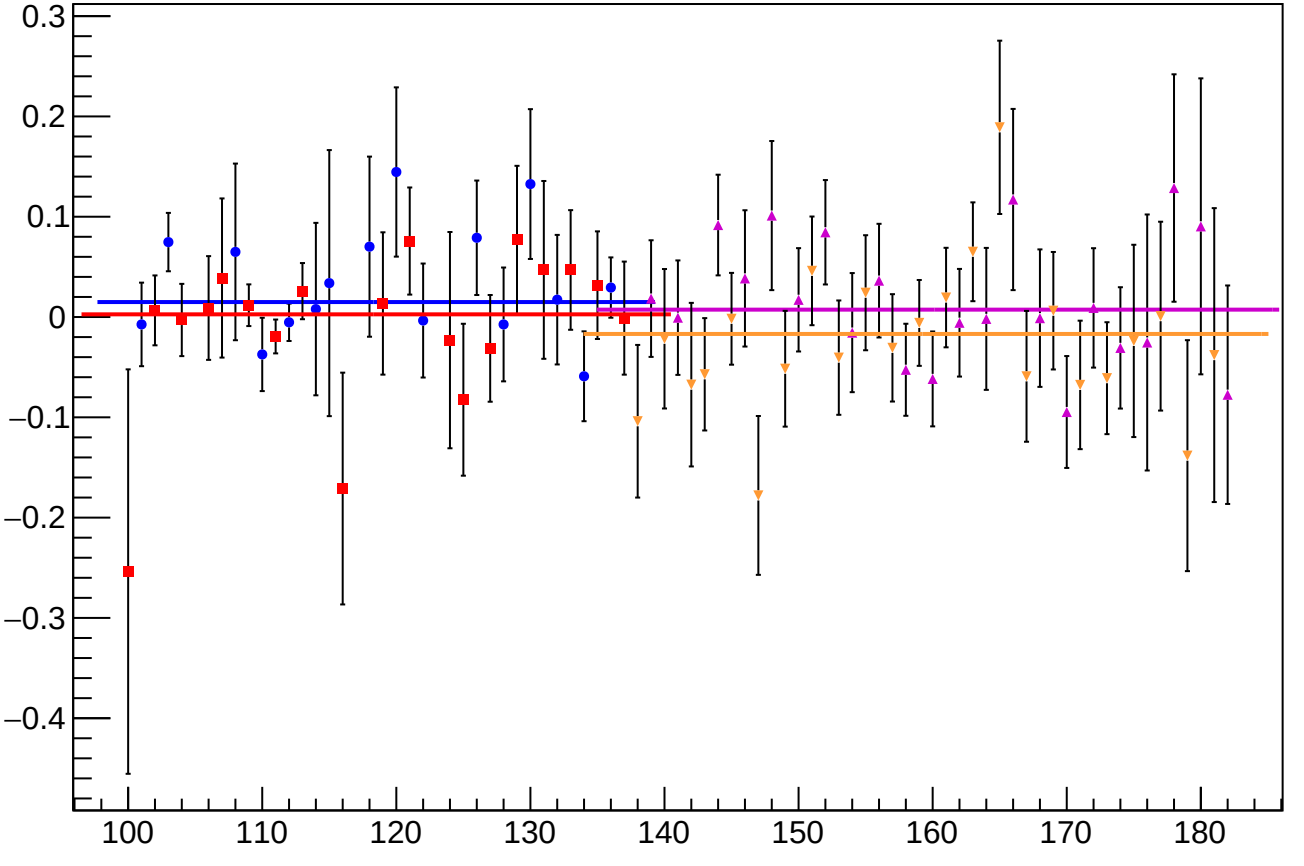
Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 35.942+/-0.006 χ^2/NDF:10417802.4/37

Out: 31.437+/-0.005 χ^2/NDF:13981160.8/41

All: 33.470+/-0.004 χ^2/NDF: 24724406.1/79

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/22

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.007+/-0.013 χ^2/NDF:18.6/21

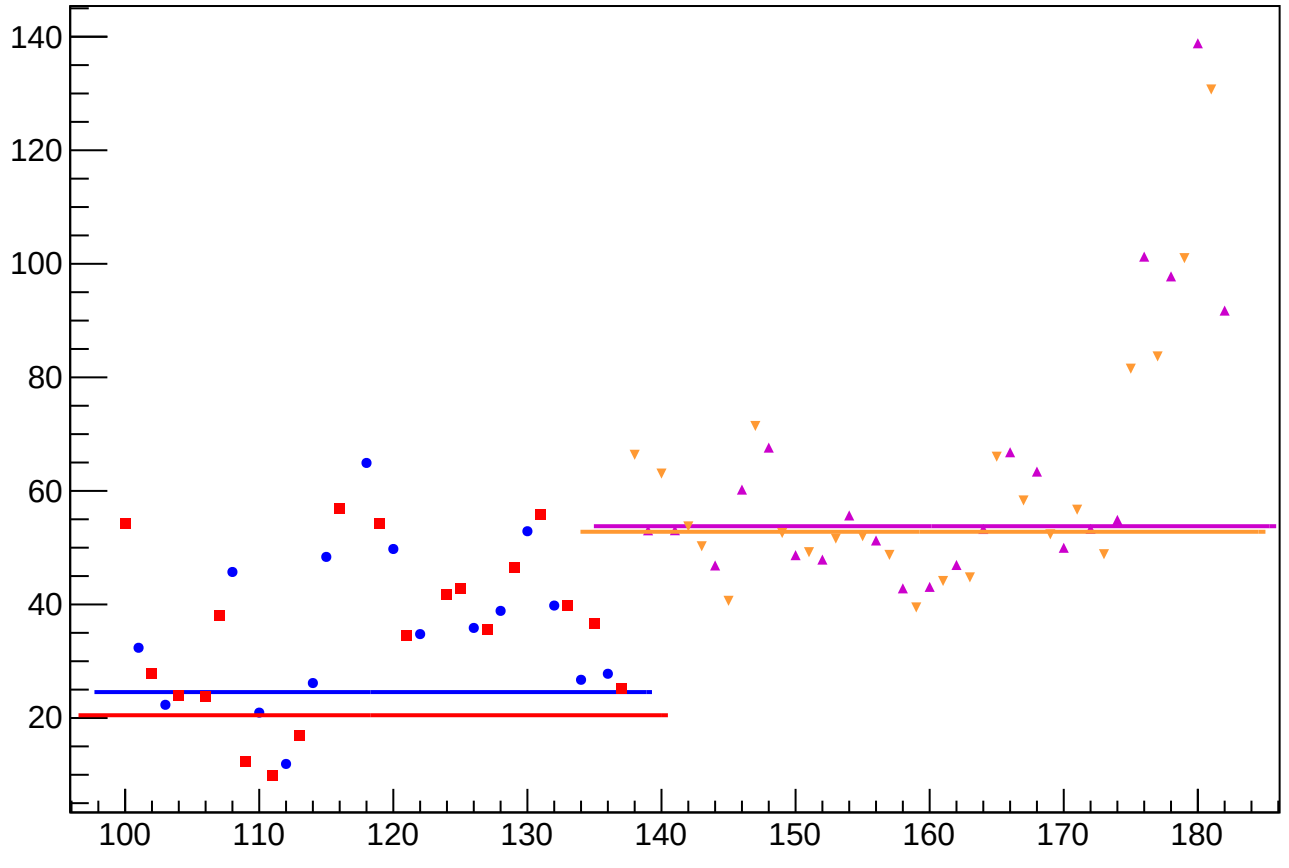
Left: -0.005+/-0.009 χ^2/NDF: 41.3/44

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:36.6/37

Out: -0.004+/-0.008 χ^2/NDF:34.9/41

All: 0.003+/-0.006 χ^2/NDF: 73.6/79



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.804+/-0.009 χ^2/NDF:2082607.9/22

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.783+/-0.009 χ^2/NDF:2002378.2/21

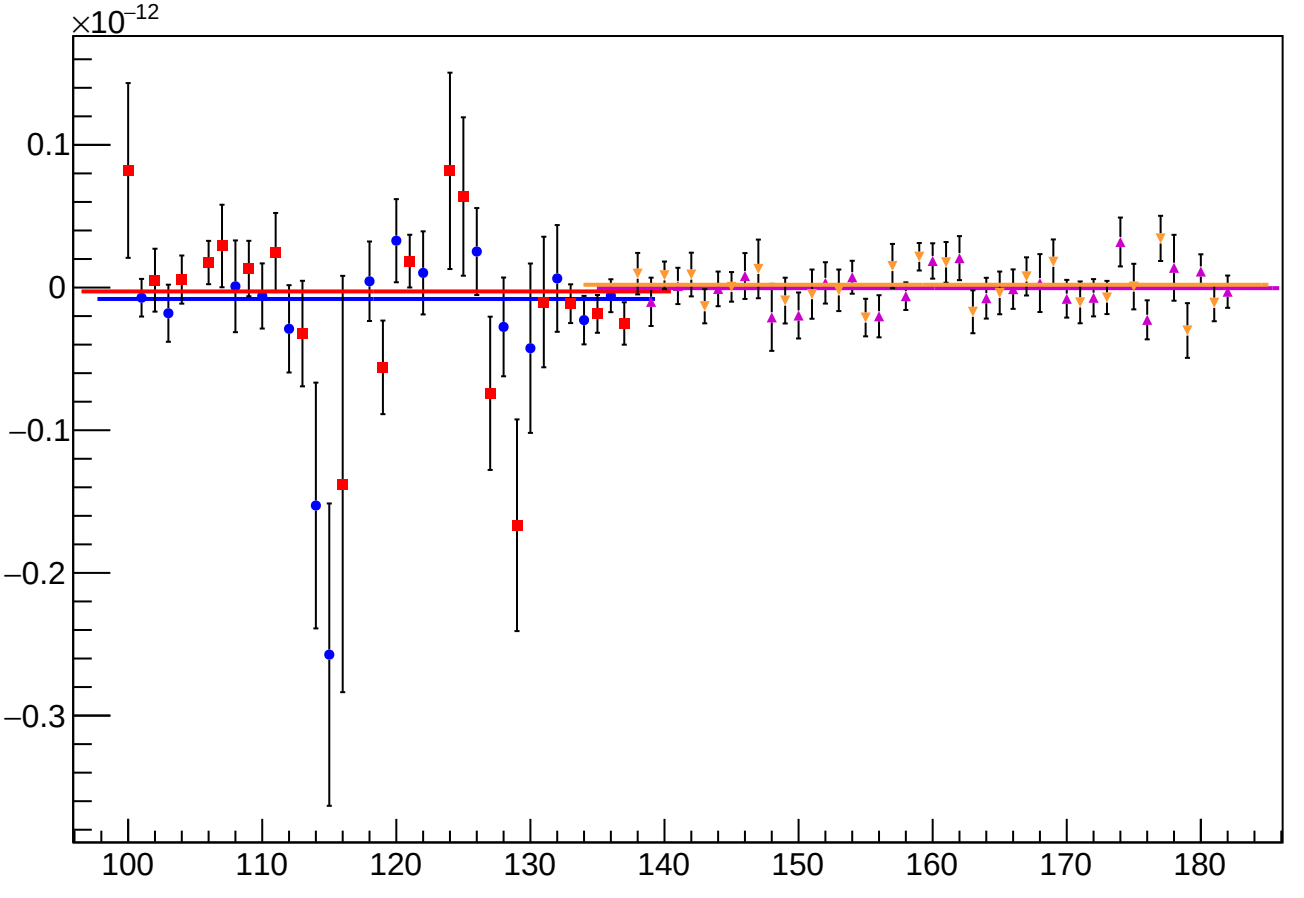
Left: 53.279+/-0.007 χ^2/NDF: 4090592.6/44

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 35.942+/-0.006 χ^2/NDF:10417802.4/37

Out: 31.437+/-0.005 χ^2/NDF:13981160.8/41

All: 33.470+/-0.004 χ^2/NDF: 24724406.1/79



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.9/22

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:18.1/21

Left: 0.000+/-0.000 χ^2/NDF: 43.3/44

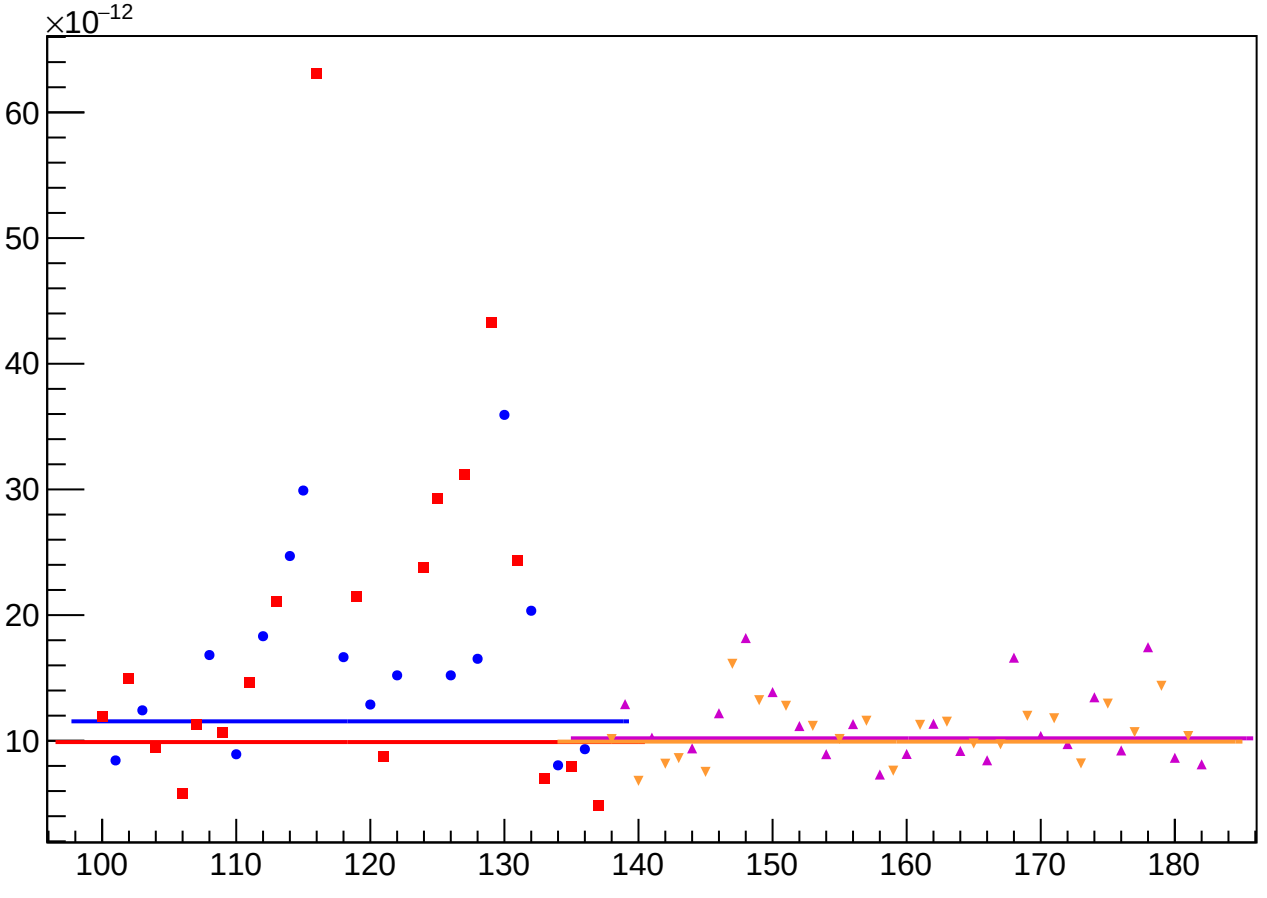
Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:33.9/37

Out: 0.000+/-0.000 χ^2/NDF:51.6/41

All: -0.000+/-0.000 χ^2/NDF: 86.2/79

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1178526.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1303557.7/21

Left: 0.000+/-0.000 χ^2/NDF: 2490177.5/44

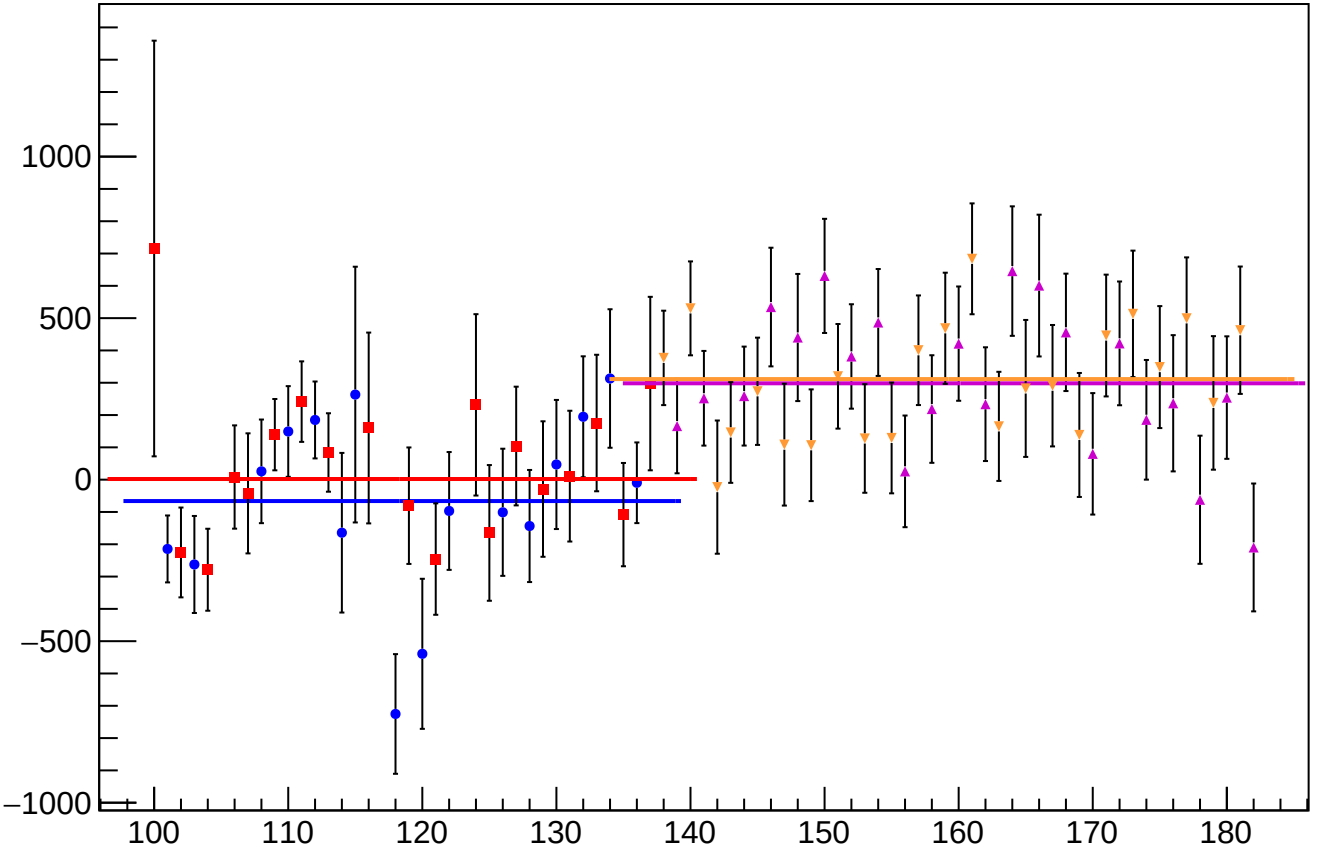
Right: 0.000+/-0.000 χ^2/NDF: 3905918.0/34

In: 0.000+/-0.000 χ^2/NDF:2570155.1/37

Out: 0.000+/-0.000 χ^2/NDF:3814365.7/41

All: 0.000+/-0.000 χ^2/NDF: 6430668.3/79

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 311.377+/-36.787 χ^2/NDF:21.9/22

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 298.308+/-37.961 χ^2/NDF:29.4/21

Left: 305.047+/-26.418 χ^2/NDF: 51.4/44

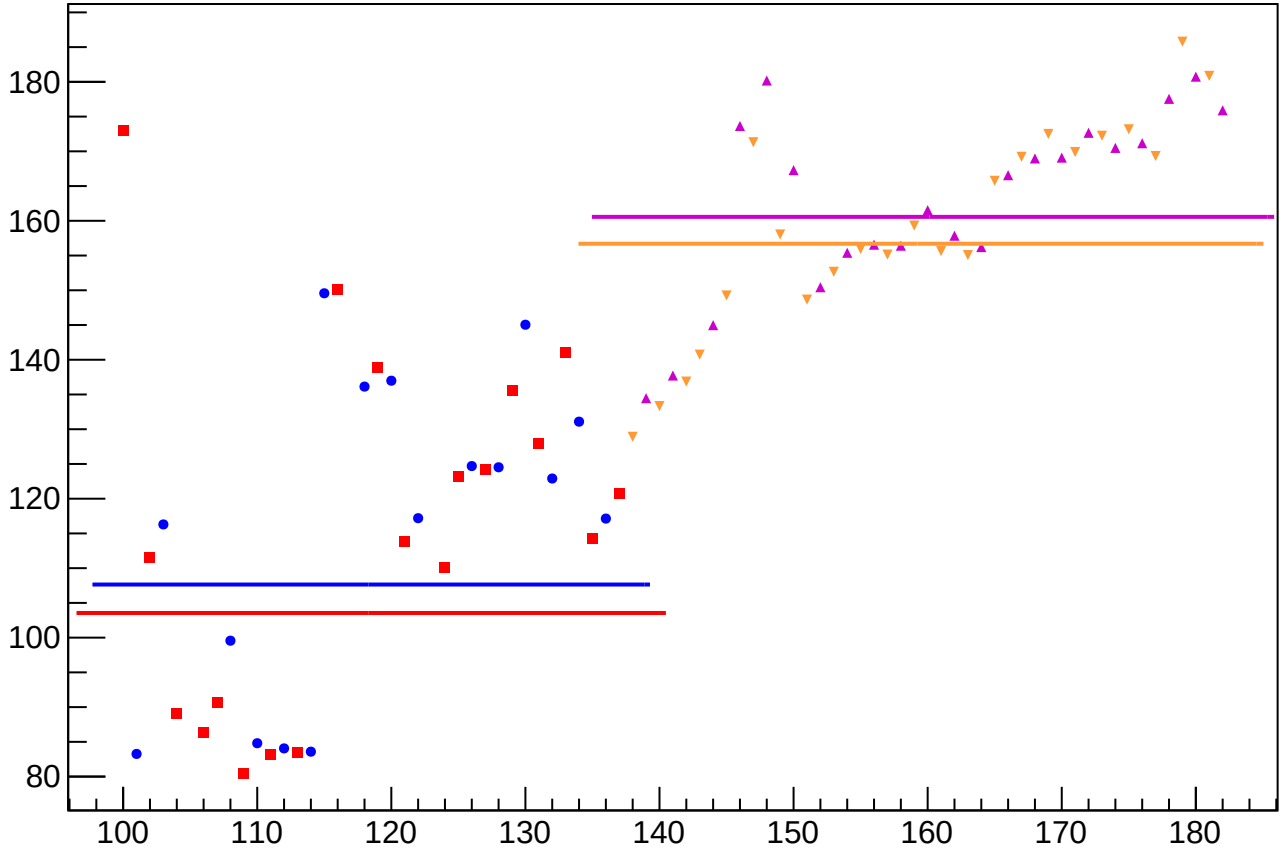
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 129.772+/-27.835 χ^2/NDF:106.5/37

Out: 165.193+/-26.717 χ^2/NDF:76.4/41

All: 148.208+/-19.275 χ^2/NDF: 183.7/79

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 156.699+/-0.026 χ^2/NDF:328982.2/22

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 160.566+/-0.027 χ^2/NDF:257597.0/21

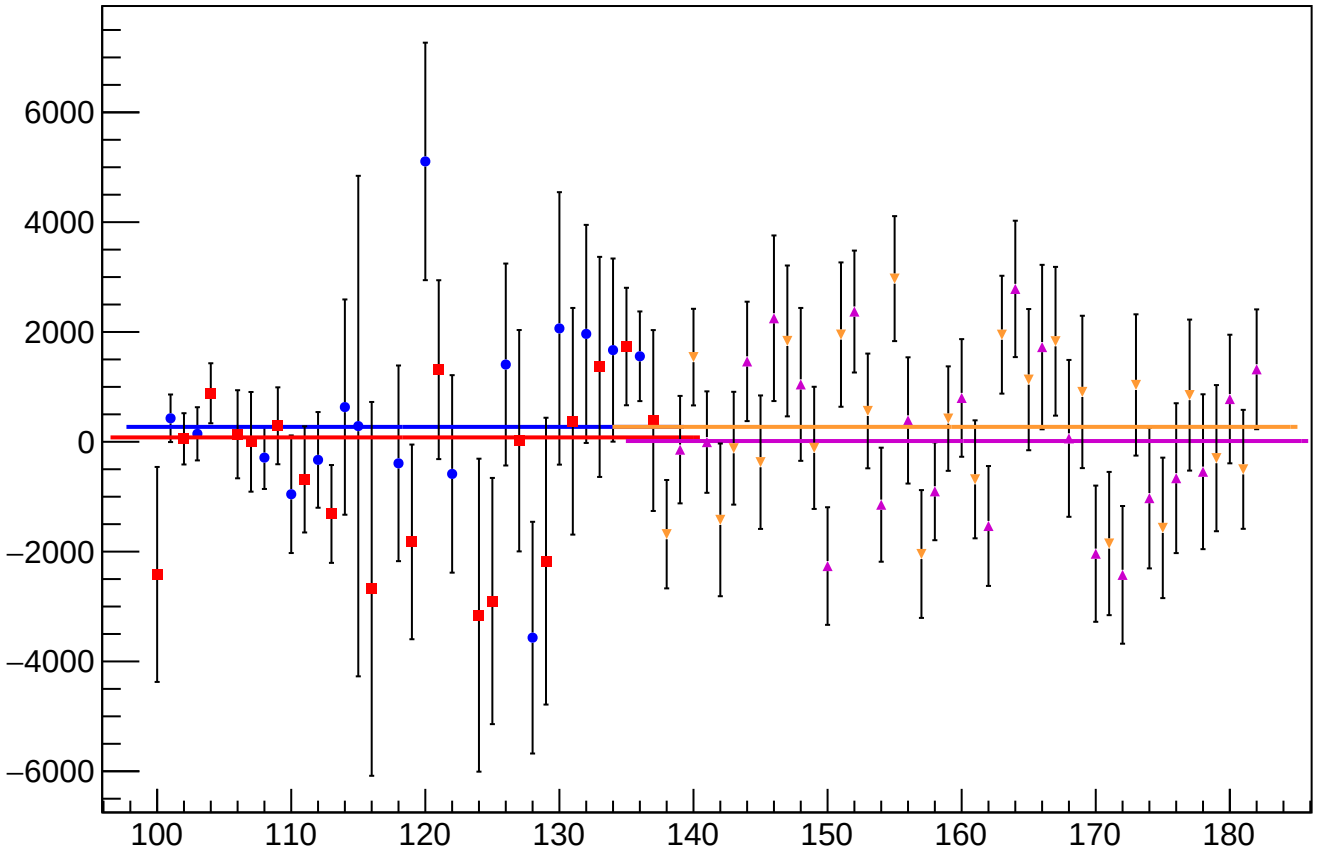
Left: 158.572+/-0.019 χ^2/NDF: 597280.4/44

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 136.099+/-0.020 χ^2/NDF:2587566.8/37

Out: 131.584+/-0.019 χ^2/NDF:2919074.2/41

All: 133.749+/-0.014 χ^2/NDF: 5534024.8/79



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 271.847+/-242.110 χ^2/NDF:31.8/22

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 13.971+/-246.601 χ^2/NDF:34.3/21

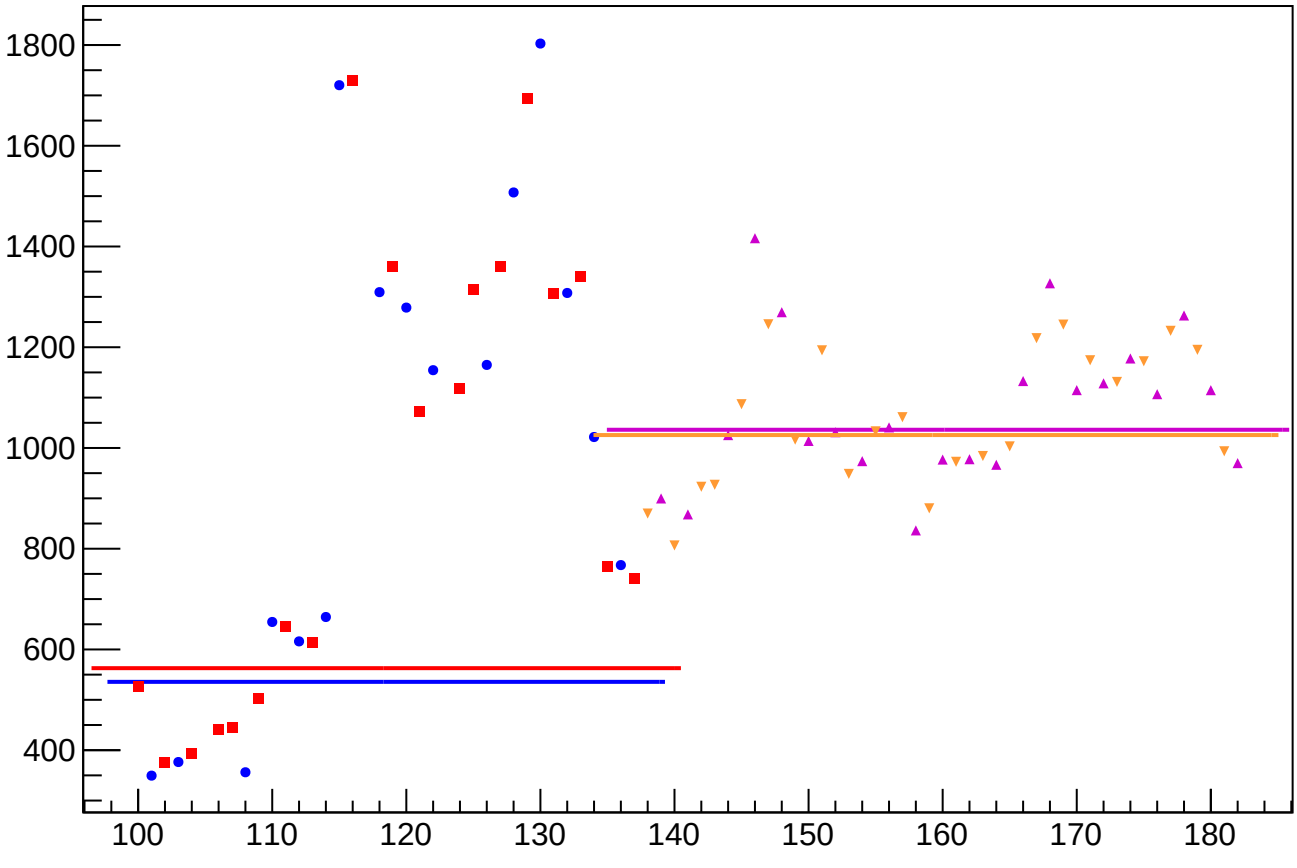
Left: 145.279+/-172.763 χ^2/NDF: 66.6/44

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 151.329+/-168.456 χ^2/NDF:51.3/37

Out: 171.947+/-167.567 χ^2/NDF:48.2/41

All: 161.693+/-118.801 χ^2/NDF: 99.5/79



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1025.636+/-0.171 χ^2/NDF:595911.7/22

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1036.171+/-0.174 χ^2/NDF:623409.4/21

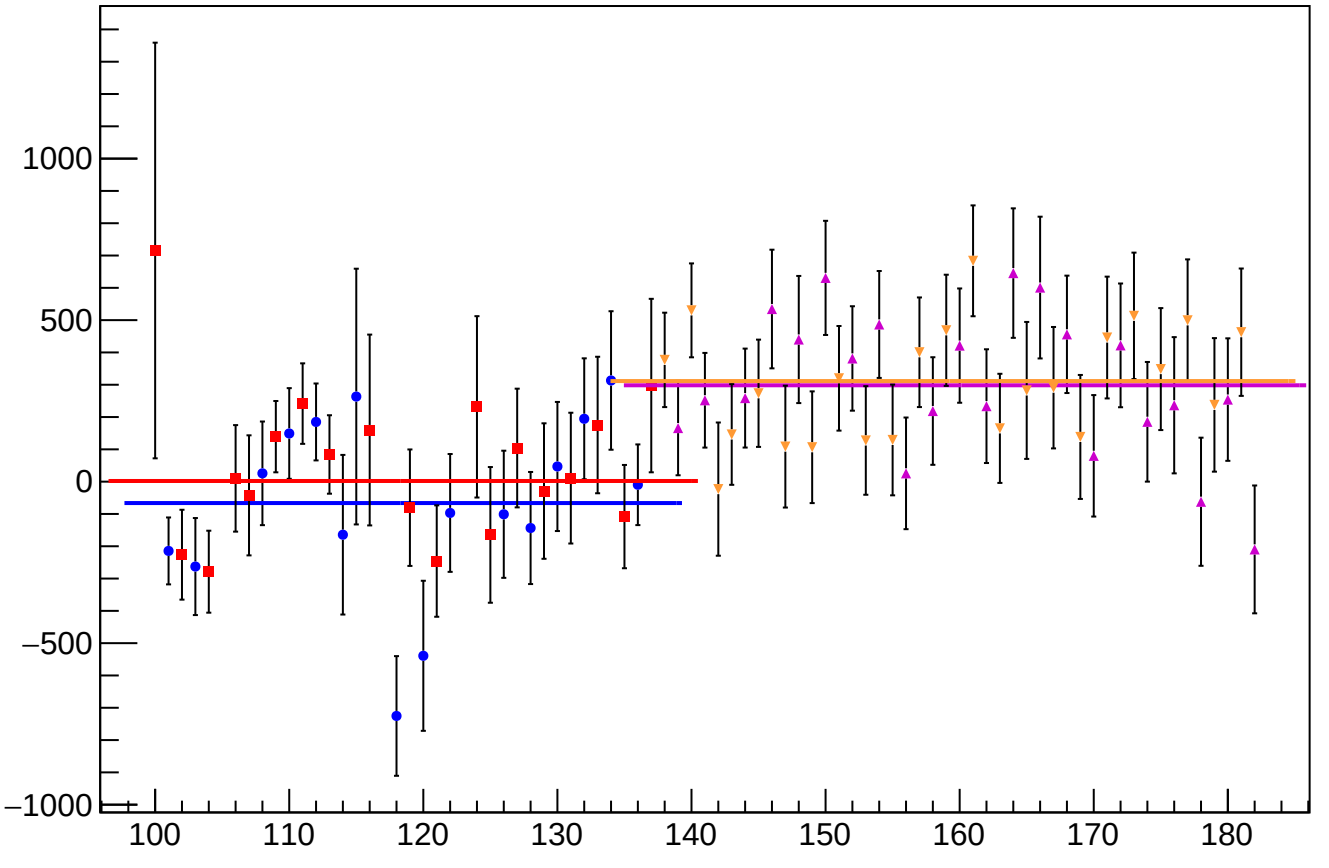
Left: 1030.807+/-0.122 χ^2/NDF: 1221179.9/44

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 769.231+/-0.119 χ^2/NDF:8649663.0/37

Out: 784.530+/-0.118 χ^2/NDF:7514080.8/41

All: 776.921+/-0.084 χ^2/NDF: 16172035.3/79



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 311.378+/-36.787 χ^2/NDF:21.9/22

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 298.314+/-37.961 χ^2/NDF:29.4/21

Left: 305.051+/-26.418 χ^2/NDF: 51.4/44

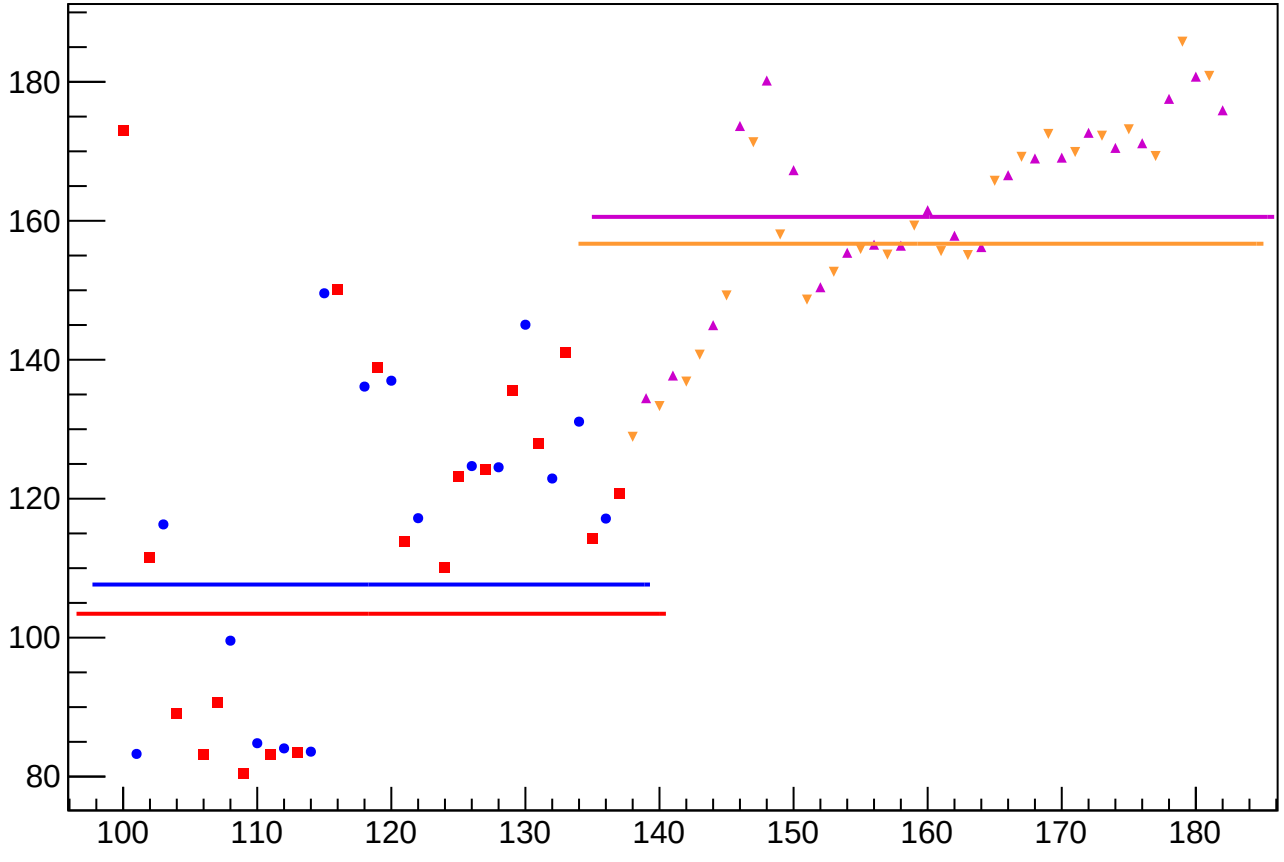
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 129.763+/-27.835 χ^2/NDF:106.5/37

Out: 165.492+/-26.740 χ^2/NDF:76.4/41

All: 148.344+/-19.284 χ^2/NDF: 183.7/79

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 156.699+/-0.026 χ^2/NDF:328982.2/22

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 160.566+/-0.027 χ^2/NDF:257597.0/21

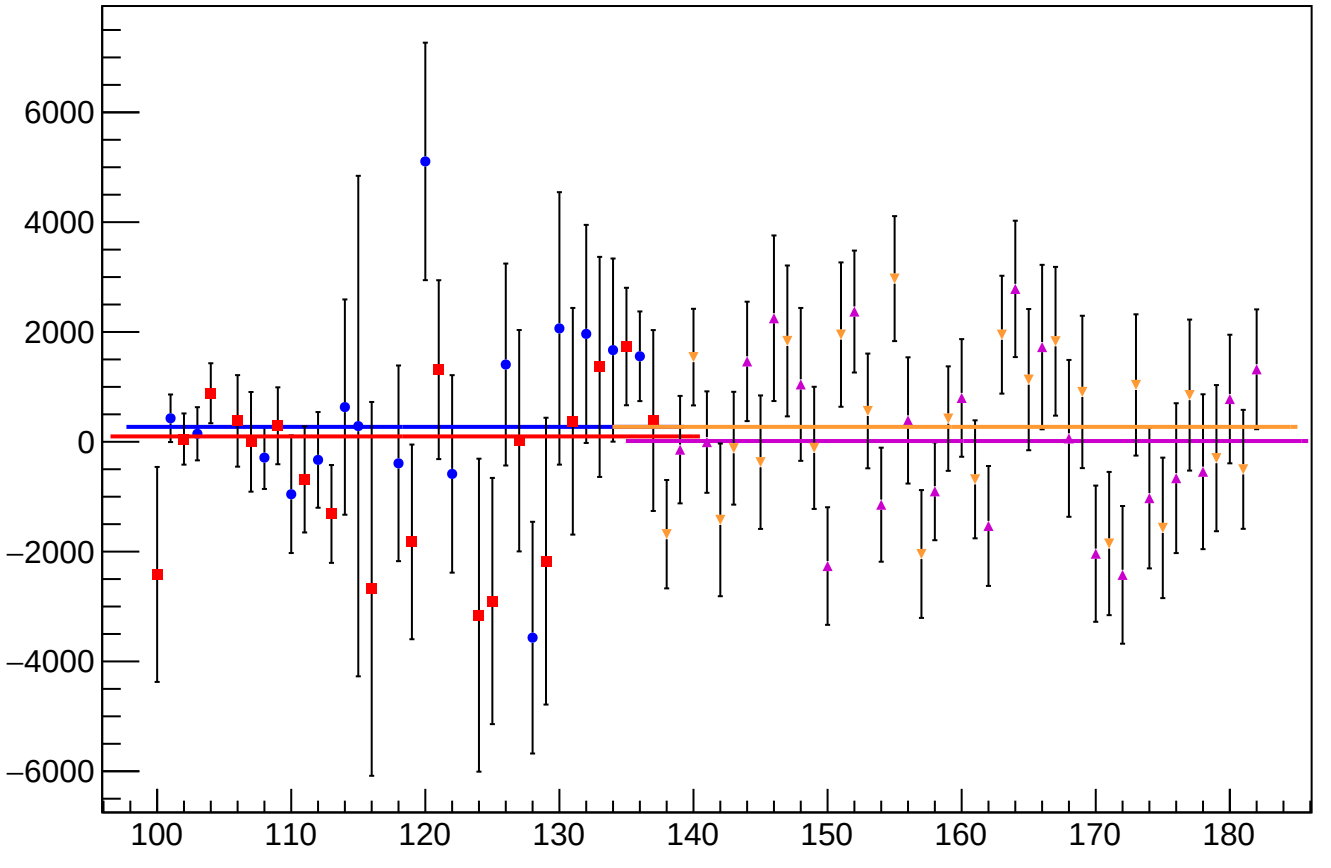
Left: 158.572+/-0.019 χ^2/NDF: 597280.5/44

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 136.099+/-0.020 χ^2/NDF:2587563.8/37

Out: 131.579+/-0.019 χ^2/NDF:2931038.4/41

All: 133.748+/-0.014 χ^2/NDF: 5546025.6/79



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 271.852+/-242.110 χ^2/NDF:31.8/22

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 13.972+/-246.601 χ^2/NDF:34.3/21

Left: 145.282+/-172.764 χ^2/NDF: 66.6/44

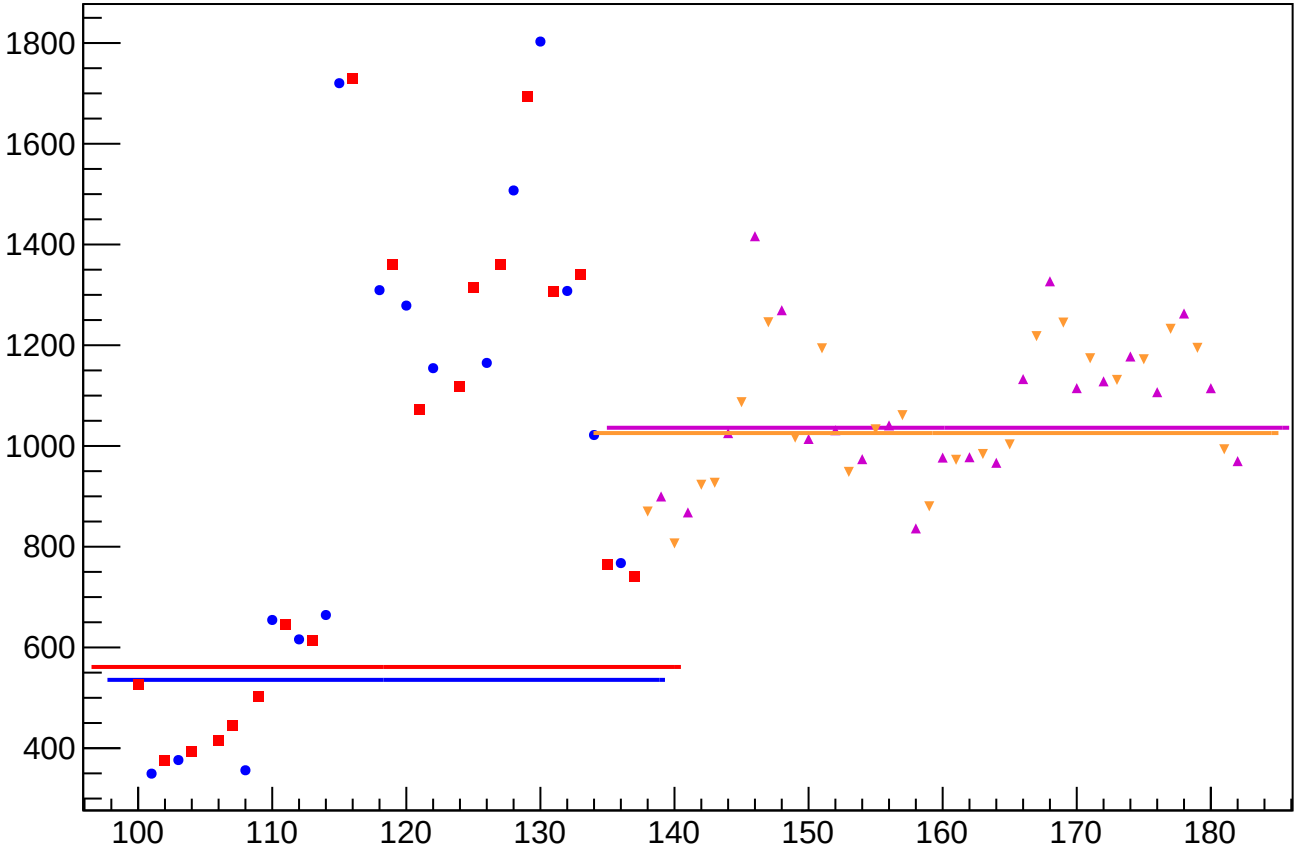
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 151.408+/-168.453 χ^2/NDF:51.3/37

Out: 181.432+/-167.802 χ^2/NDF:48.2/41

All: 166.479+/-118.884 χ^2/NDF: 99.5/79

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1025.636+/-0.171 χ^2/NDF:595911.1/22

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1036.172+/-0.174 χ^2/NDF:623406.1/21

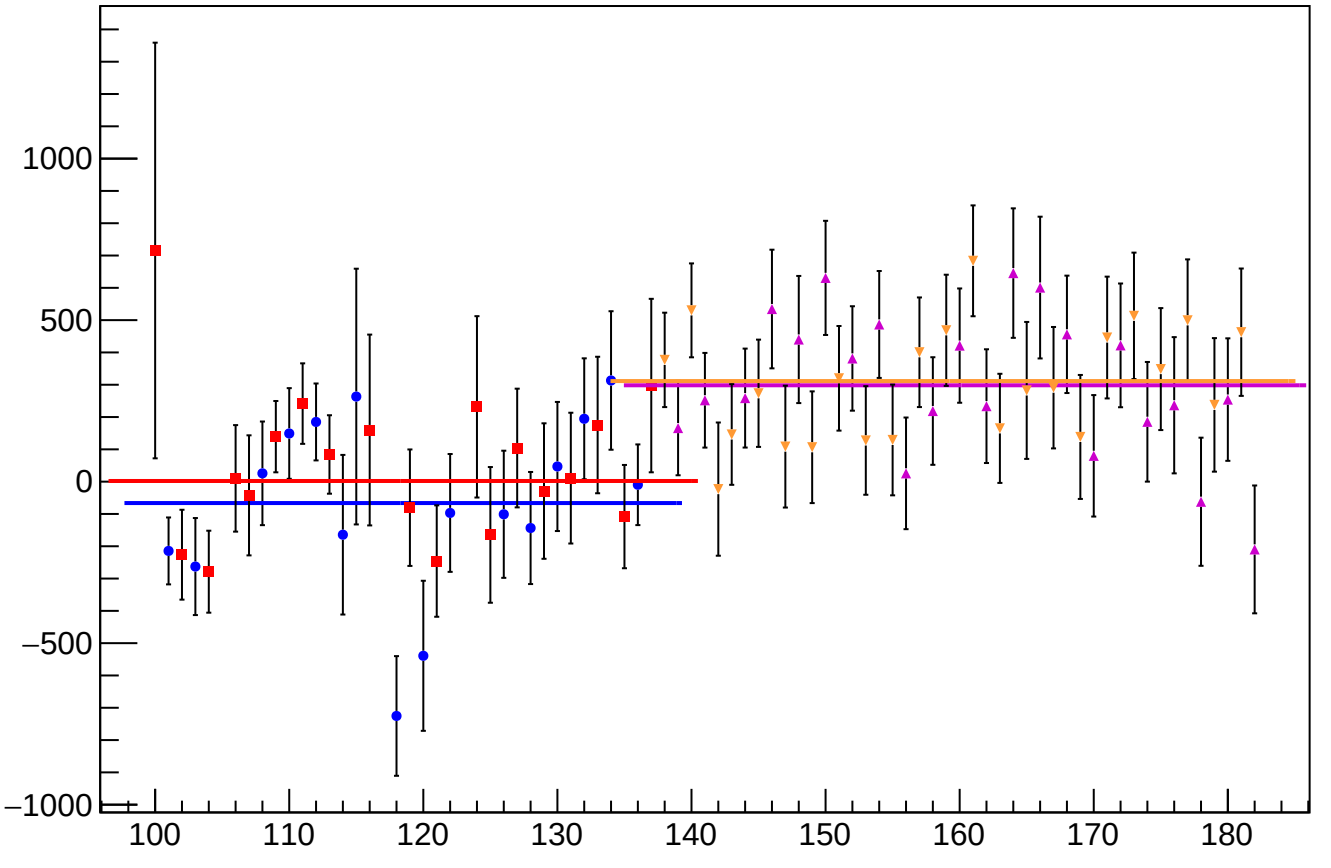
Left: 1030.807+/-0.122 χ^2/NDF: 1221176.1/44

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 769.212+/-0.119 χ^2/NDF:8650371.3/37

Out: 784.335+/-0.119 χ^2/NDF:7549873.3/41

All: 776.803+/-0.084 χ^2/NDF: 16208334.6/79



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 311.378+/-36.787 χ^2/NDF:21.9/22

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 298.314+/-37.961 χ^2/NDF:29.4/21

Left: 305.051+/-26.418 χ^2/NDF: 51.4/44

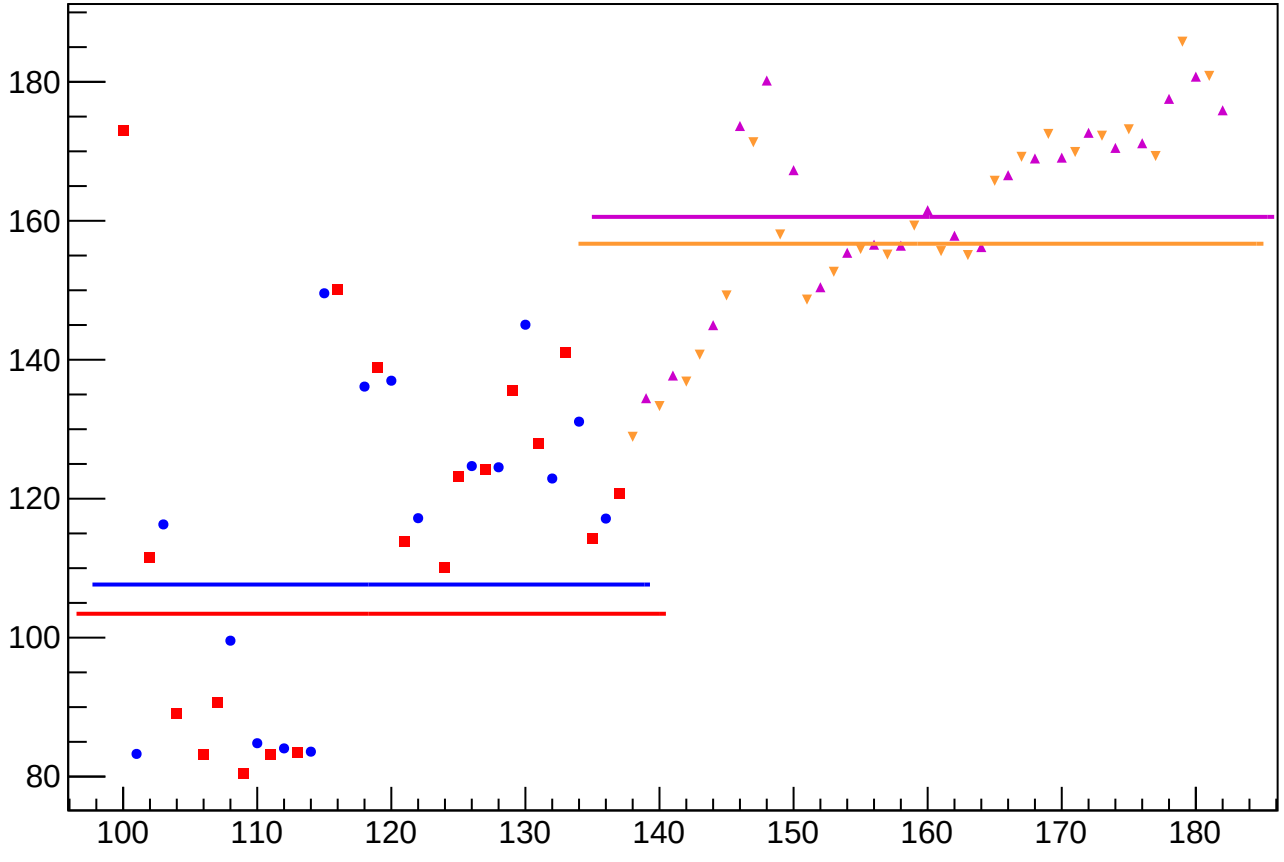
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 129.763+/-27.835 χ^2/NDF:106.5/37

Out: 165.492+/-26.740 χ^2/NDF:76.4/41

All: 148.344+/-19.284 χ^2/NDF: 183.7/79

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 156.699+/-0.026 χ^2/NDF:328982.2/22

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 160.566+/-0.027 χ^2/NDF:257597.0/21

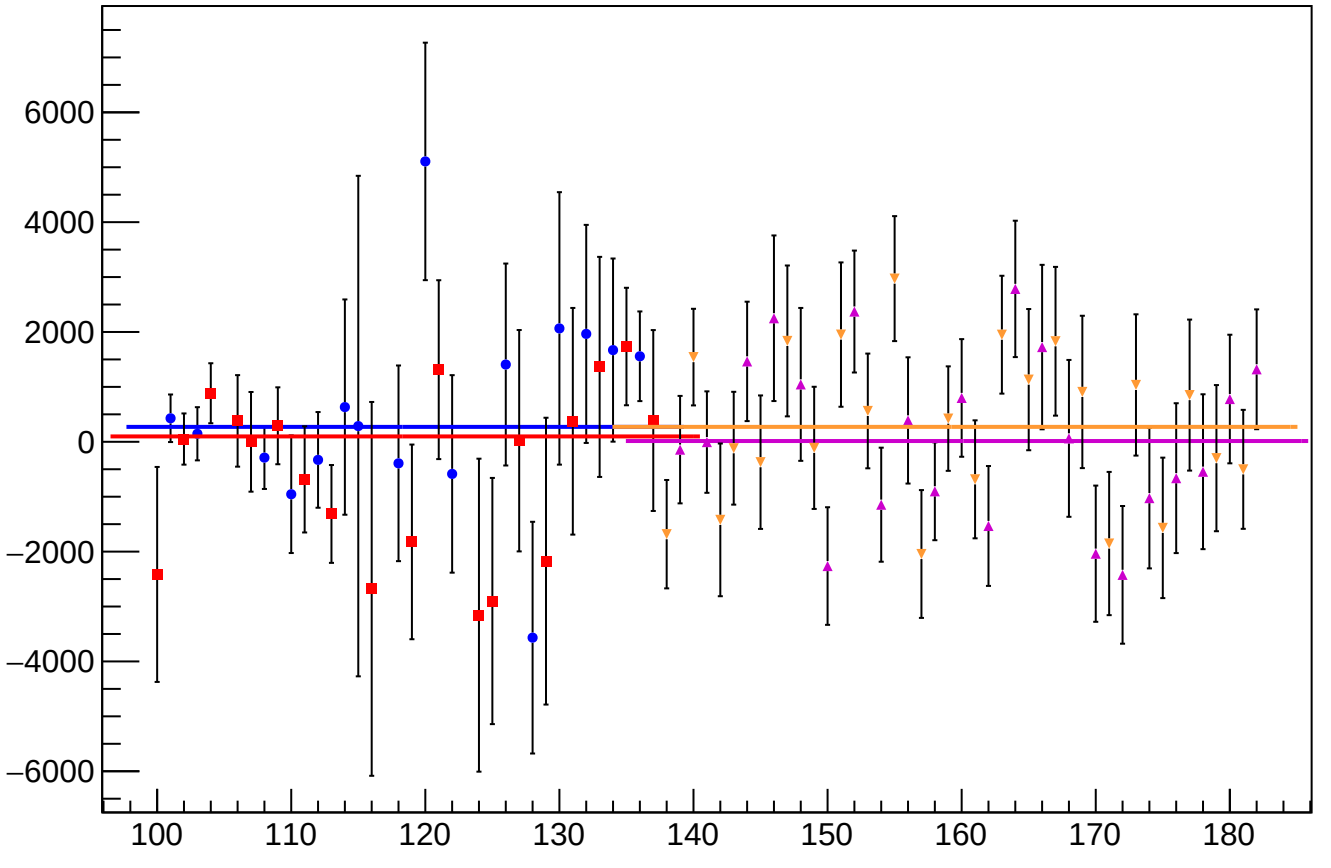
Left: 158.572+/-0.019 χ^2/NDF: 597280.5/44

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 136.099+/-0.020 χ^2/NDF:2587563.8/37

Out: 131.579+/-0.019 χ^2/NDF:2931038.4/41

All: 133.748+/-0.014 χ^2/NDF: 5546025.6/79



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 271.852+/-242.110 χ^2/NDF:31.8/22

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 13.972+/-246.601 χ^2/NDF:34.3/21

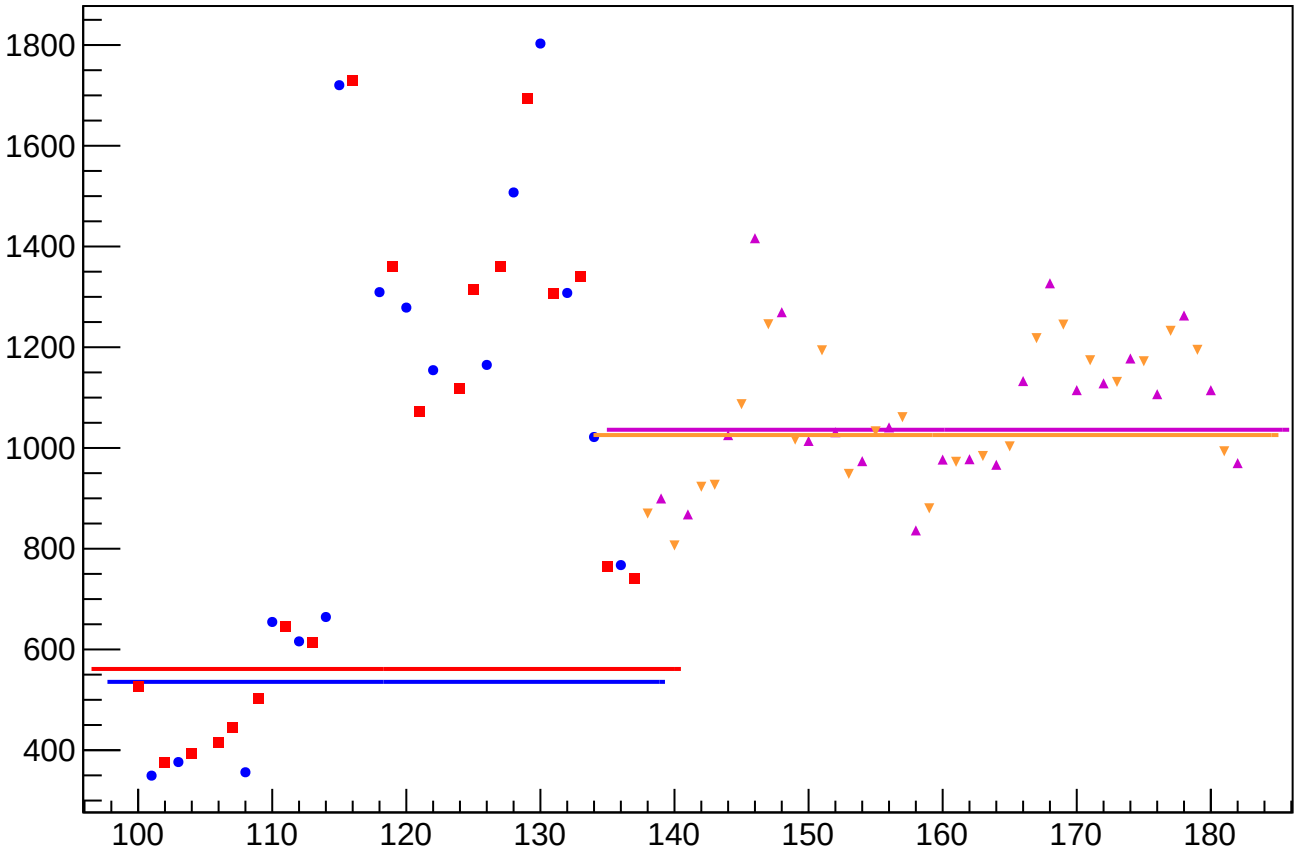
Left: 145.282+/-172.764 χ^2/NDF: 66.6/44

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 151.408+/-168.453 χ^2/NDF:51.3/37

Out: 181.432+/-167.802 χ^2/NDF:48.2/41

All: 166.479+/-118.884 χ^2/NDF: 99.5/79



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1025.636+/-0.171 χ^2/NDF:595911.1/22

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1036.172+/-0.174 χ^2/NDF:623406.1/21

Left: 1030.807+/-0.122 χ^2/NDF: 1221176.1/44

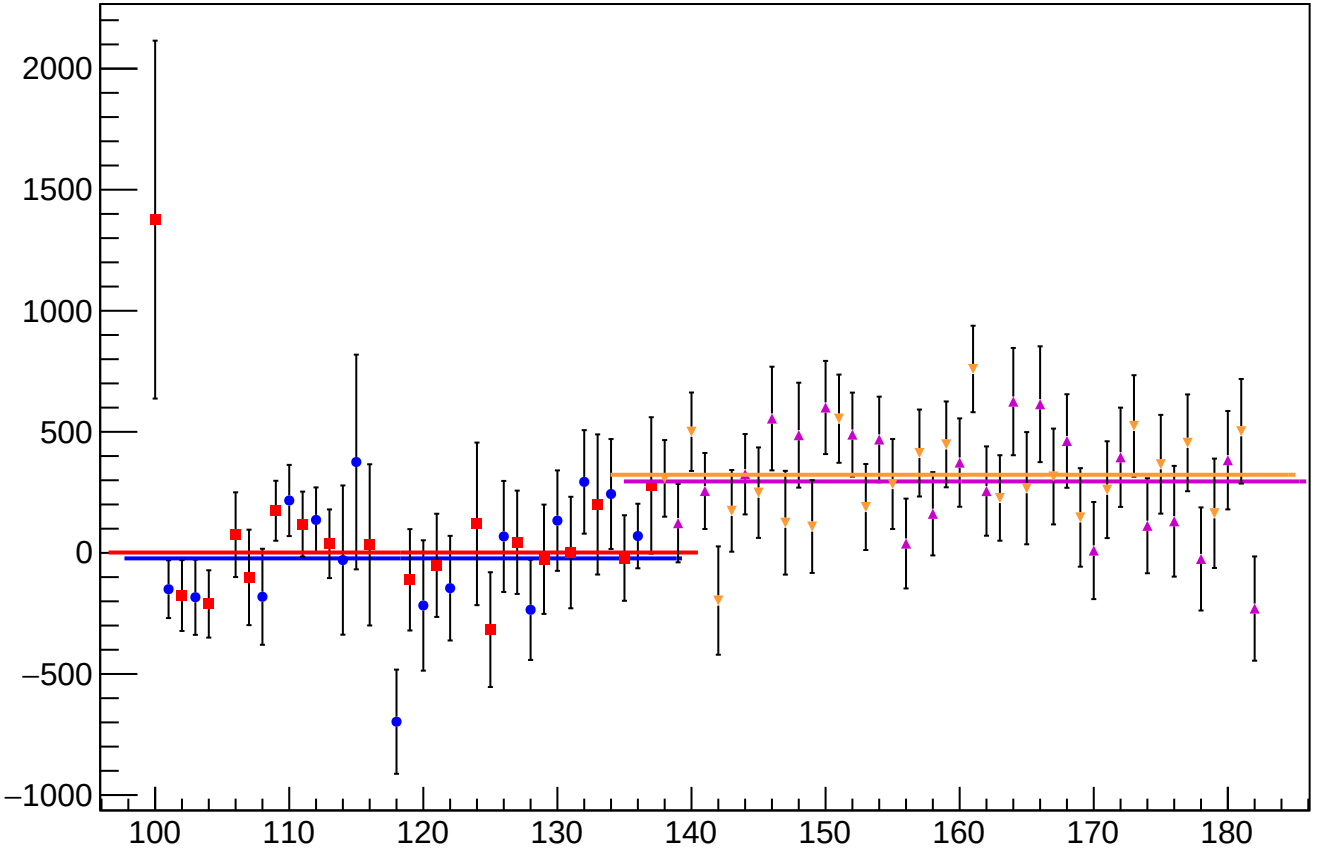
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 769.212+/-0.119 χ^2/NDF:8650371.3/37

Out: 784.335+/-0.119 χ^2/NDF:7549873.3/41

All: 776.803+/-0.084 χ^2/NDF: 16208334.6/79

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 322.743+/-39.706 χ^2/NDF:22.4/22

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 295.110+/-40.859 χ^2/NDF:27.7/21

Left: 309.321+/-28.475 χ^2/NDF: 50.4/44

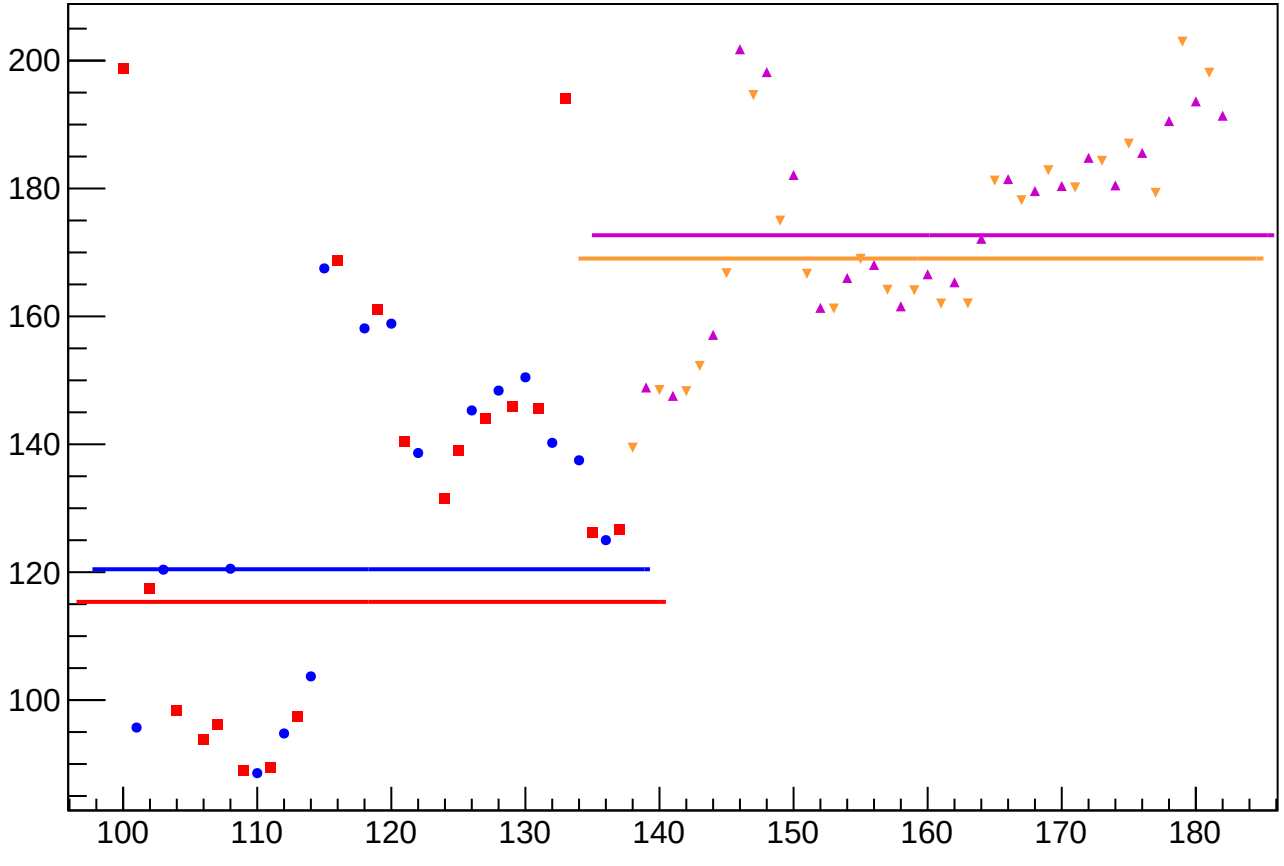
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 154.647+/-30.521 χ^2/NDF:78.7/37

Out: 177.014+/-29.345 χ^2/NDF:66.4/41

All: 166.270+/-21.154 χ^2/NDF: 145.3/79

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 169.048+/-0.028 χ^2/NDF:321323.2/22

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 172.692+/-0.029 χ^2/NDF:283014.5/21

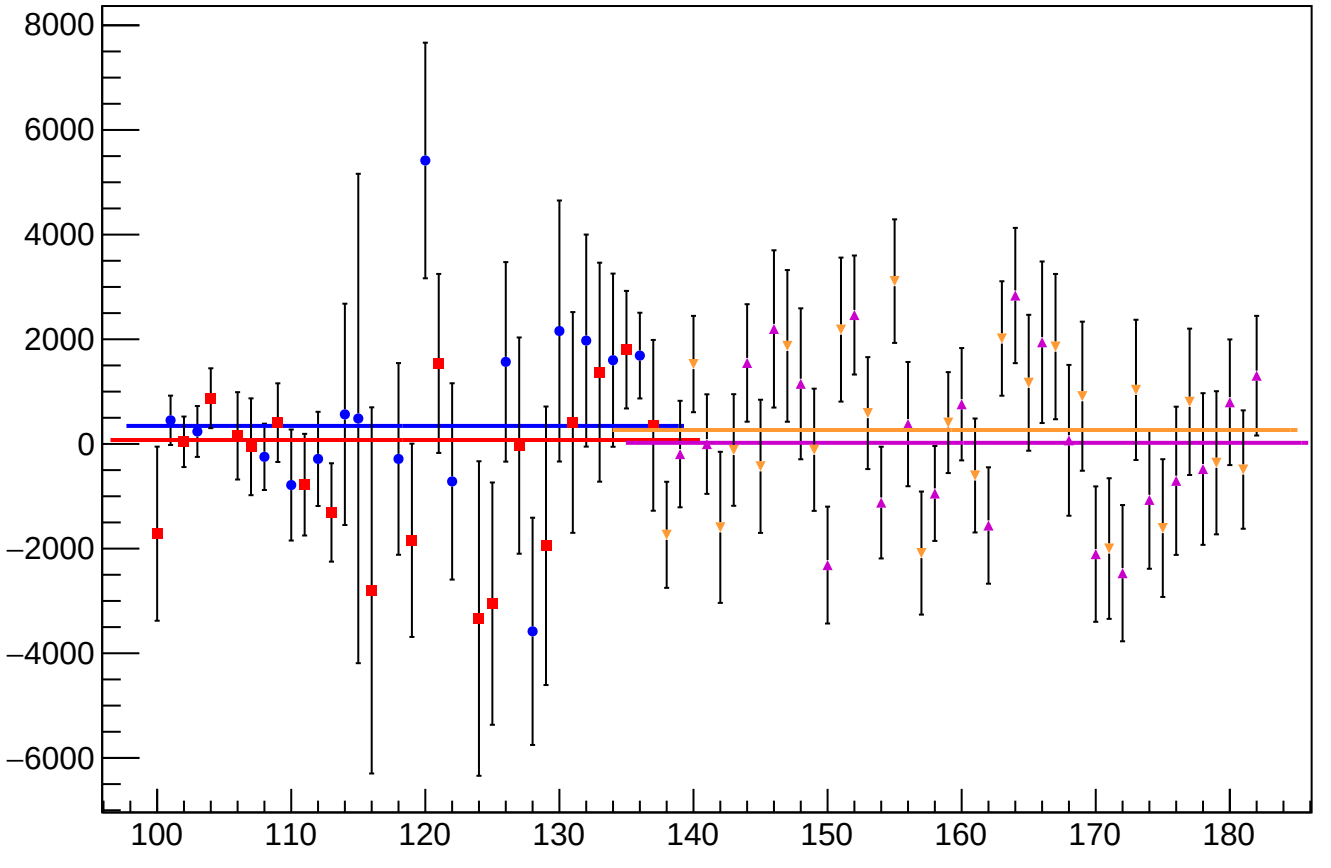
Left: 170.818+/-0.020 χ^2/NDF: 612518.6/44

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 149.605+/-0.022 χ^2/NDF:2258073.9/37

Out: 144.684+/-0.021 χ^2/NDF:2748033.1/41

All: 147.048+/-0.015 χ^2/NDF: 5033117.7/79



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 266.694+/-249.548 χ^2/NDF:32.3/22

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 21.331+/-253.663 χ^2/NDF:33.9/21

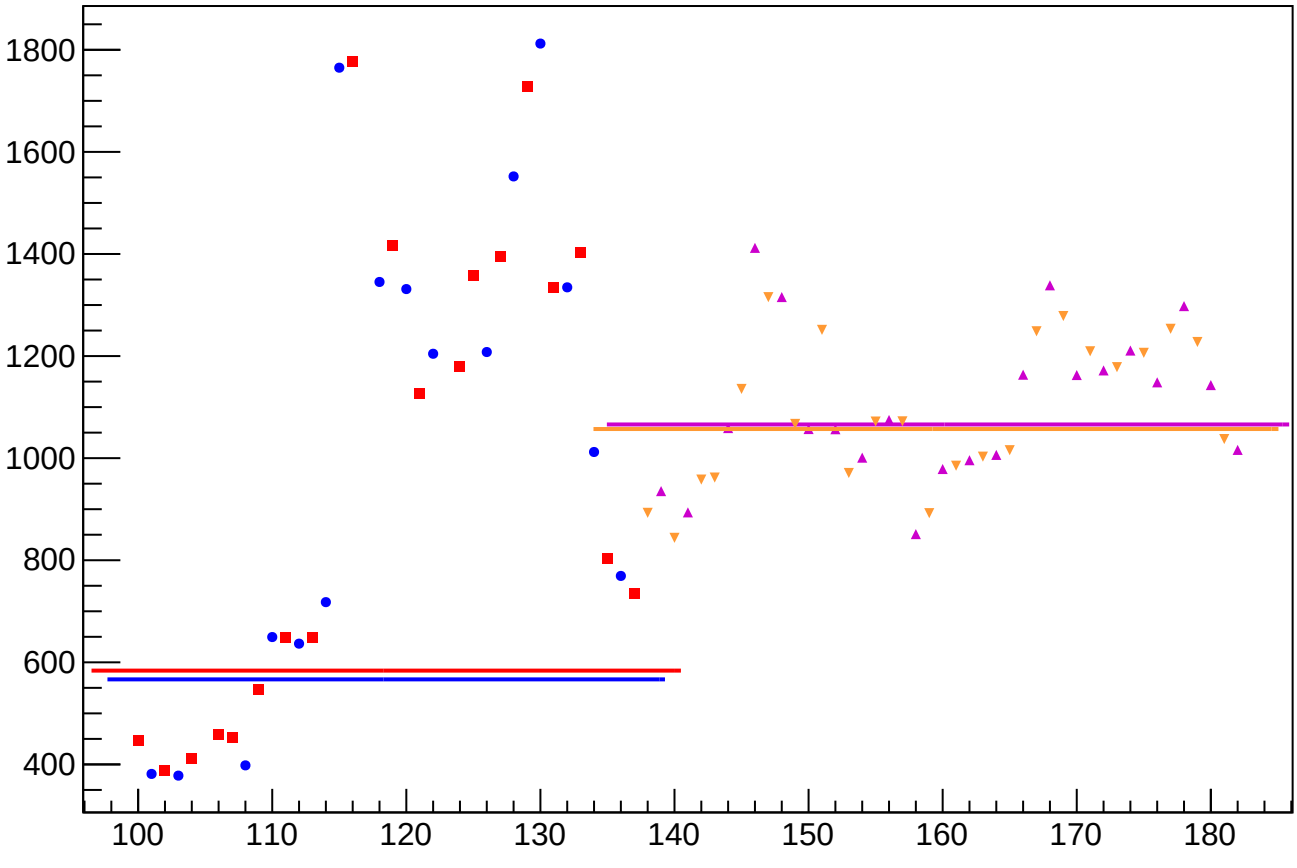
Left: 146.019+/-177.894 χ^2/NDF: 66.6/44

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 190.794+/-174.920 χ^2/NDF:51.0/37

Out: 167.526+/-173.162 χ^2/NDF:47.8/41

All: 179.043+/-123.061 χ^2/NDF: 98.8/79



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1057.075+/-0.176 χ^2/NDF:609158.4/22

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1066.014+/-0.179 χ^2/NDF:608181.8/21

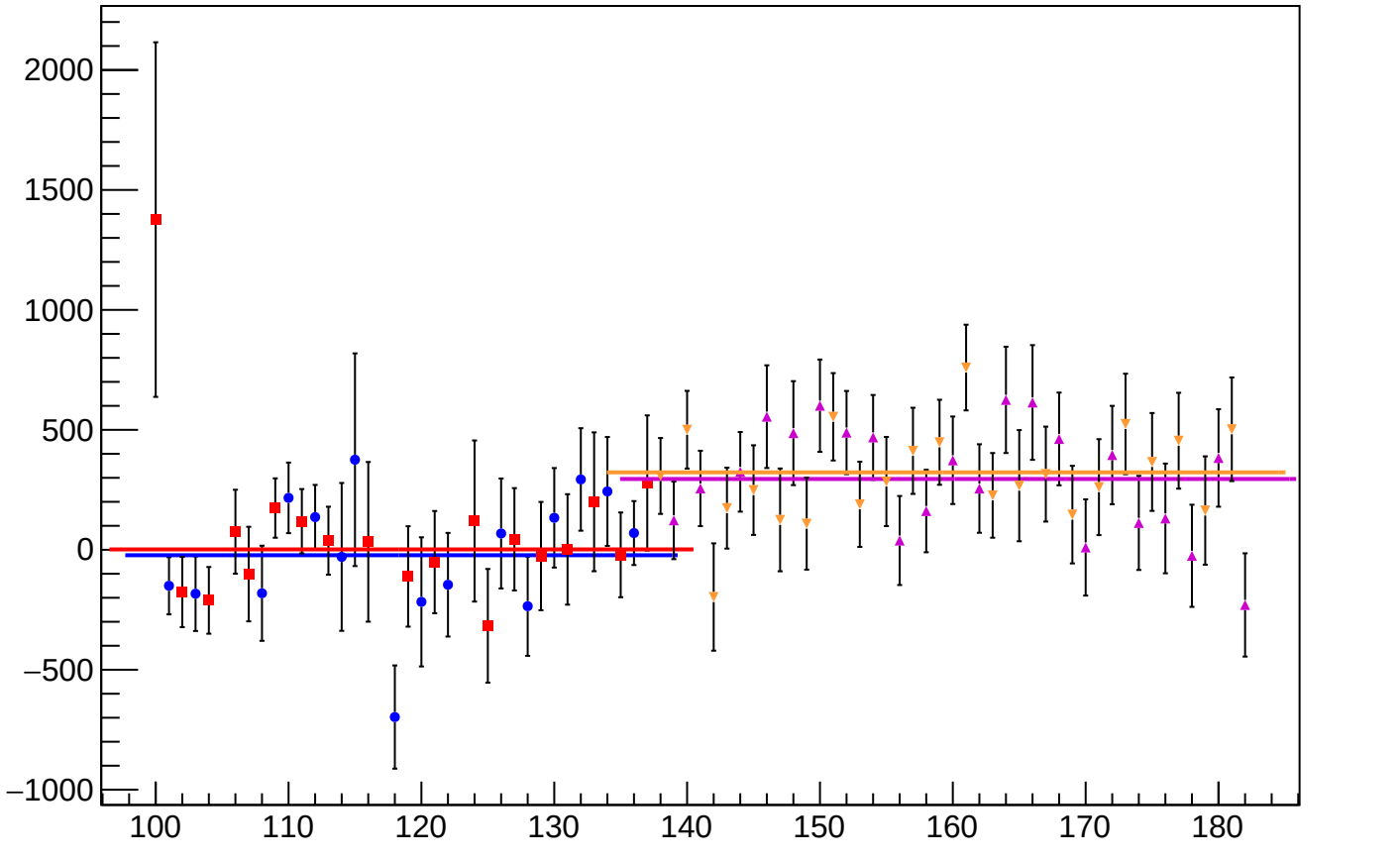
Left: 1061.472+/-0.126 χ^2/NDF: 1218602.2/44

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 804.081+/-0.124 χ^2/NDF:8106576.8/37

Out: 811.679+/-0.122 χ^2/NDF:7446684.7/41

All: 807.919+/-0.087 χ^2/NDF: 15555167.2/79



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 322.744+/-39.706 χ^2/NDF:22.4/22

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 295.110+/-40.859 χ^2/NDF:27.7/21

Left: 309.322+/-28.475 χ^2/NDF: 50.4/44

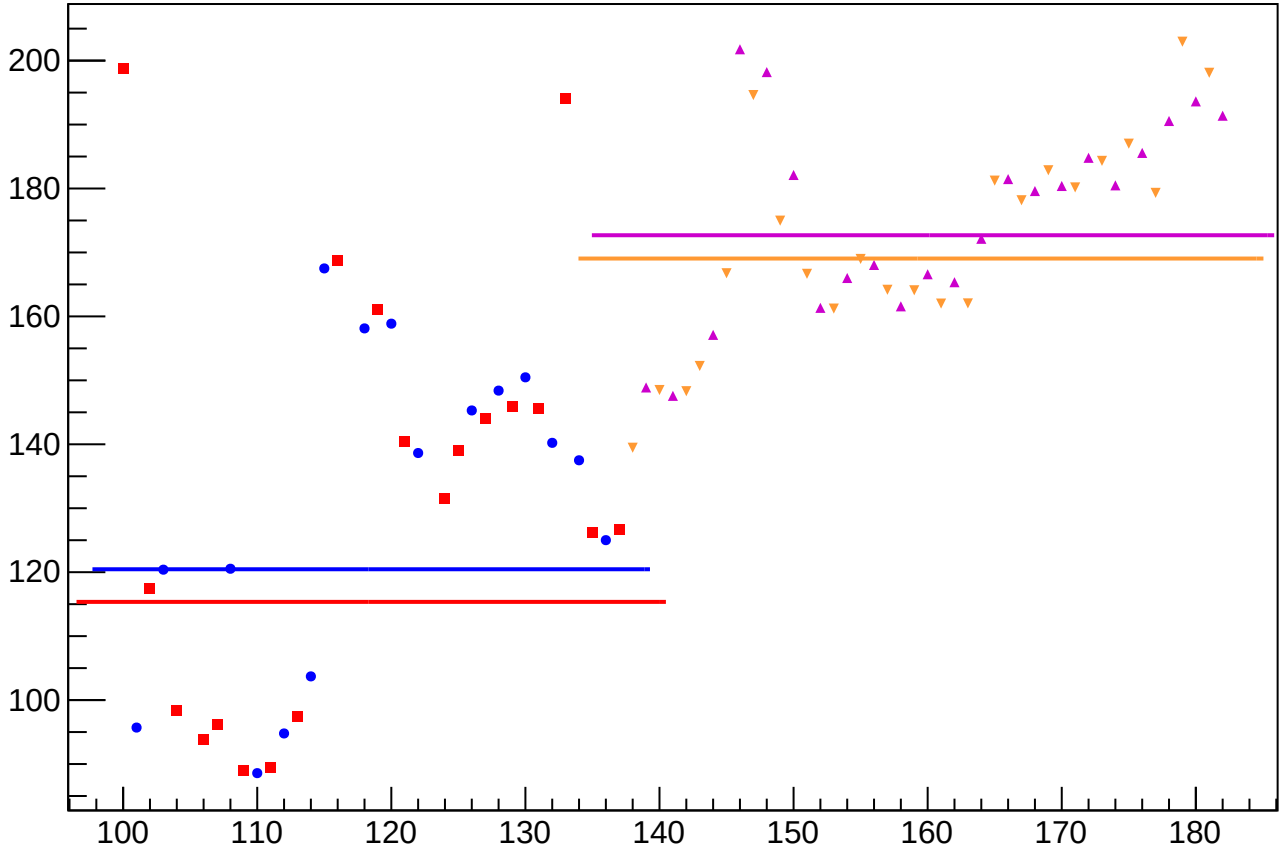
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 154.646+/-30.521 χ^2/NDF:78.7/37

Out: 177.015+/-29.345 χ^2/NDF:66.4/41

All: 166.270+/-21.154 χ^2/NDF: 145.3/79

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 169.048+/-0.028 χ^2/NDF:321323.0/22

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 172.692+/-0.029 χ^2/NDF:283014.9/21

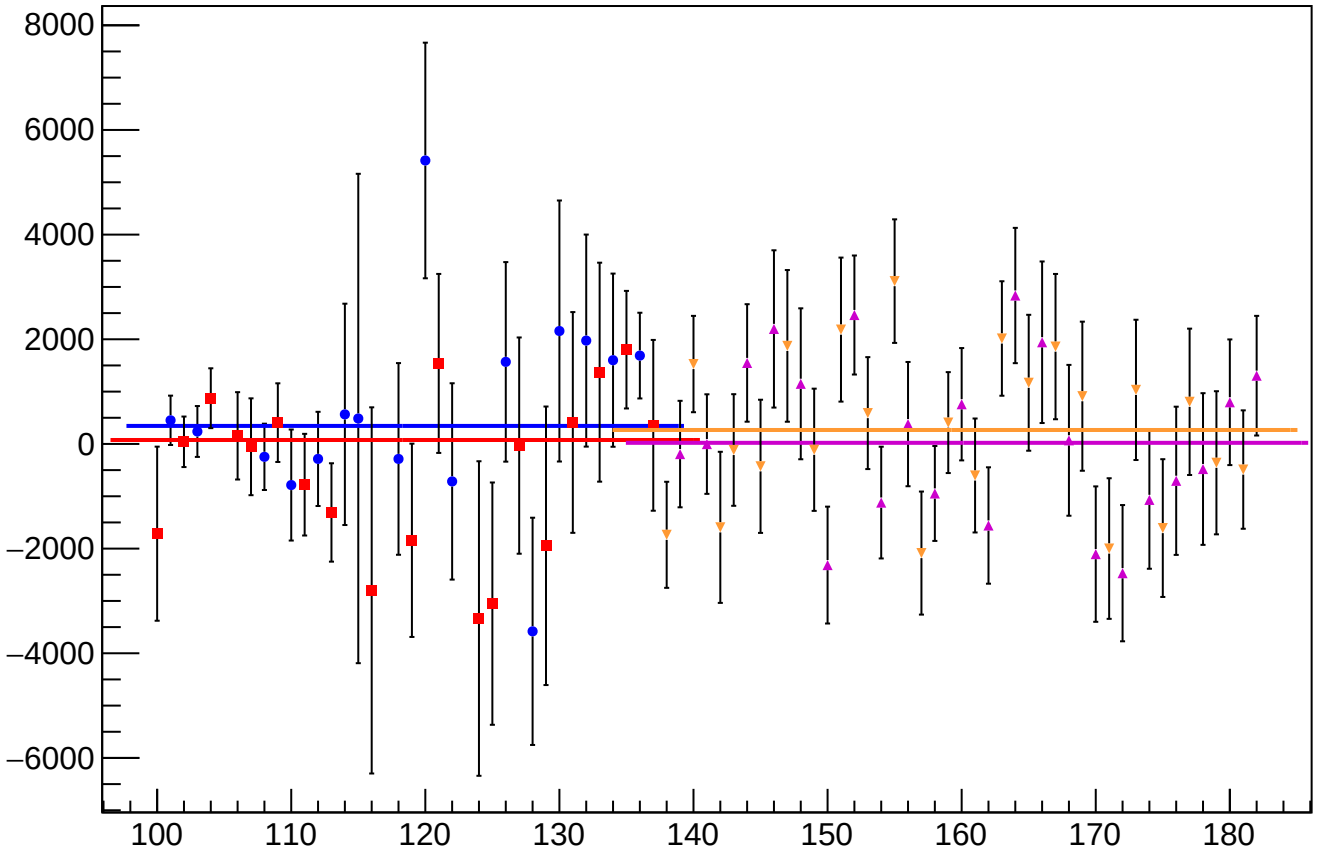
Left: 170.818+/-0.020 χ^2/NDF: 612518.9/44

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 149.604+/-0.022 χ^2/NDF:2258086.8/37

Out: 144.684+/-0.021 χ^2/NDF:2748036.0/41

All: 147.048+/-0.015 χ^2/NDF: 5033133.2/79



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 266.695+/-249.548 χ^2/NDF:32.3/22

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 21.330+/-253.663 χ^2/NDF:33.9/21

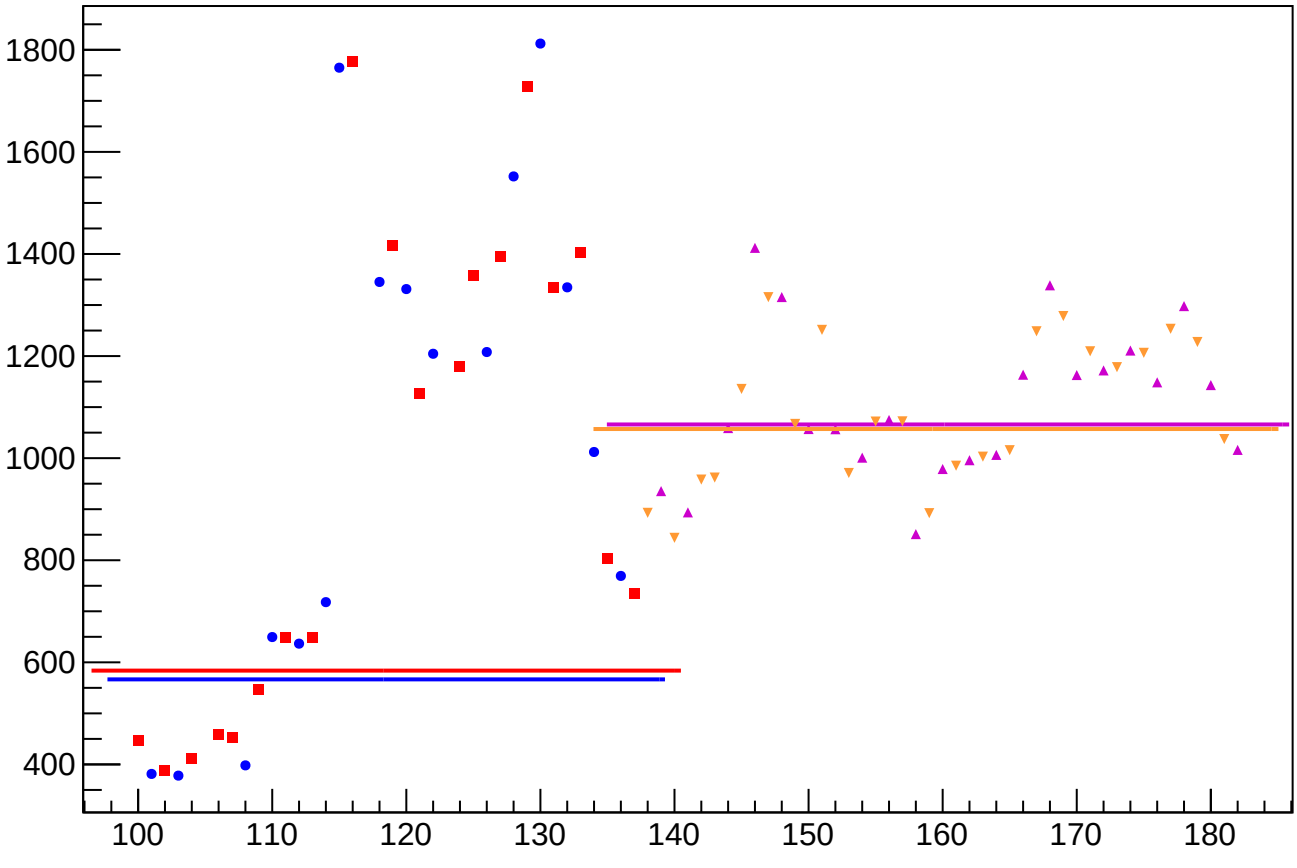
Left: 146.019+/-177.894 χ^2/NDF: 66.6/44

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 190.794+/-174.920 χ^2/NDF:51.0/37

Out: 167.527+/-173.162 χ^2/NDF:47.8/41

All: 179.043+/-123.061 χ^2/NDF: 98.8/79



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1057.076+/-0.176 χ^2/NDF:609163.5/22

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1066.014+/-0.179 χ^2/NDF:608185.4/21

Left: 1061.472+/-0.126 χ^2/NDF: 1218610.8/44

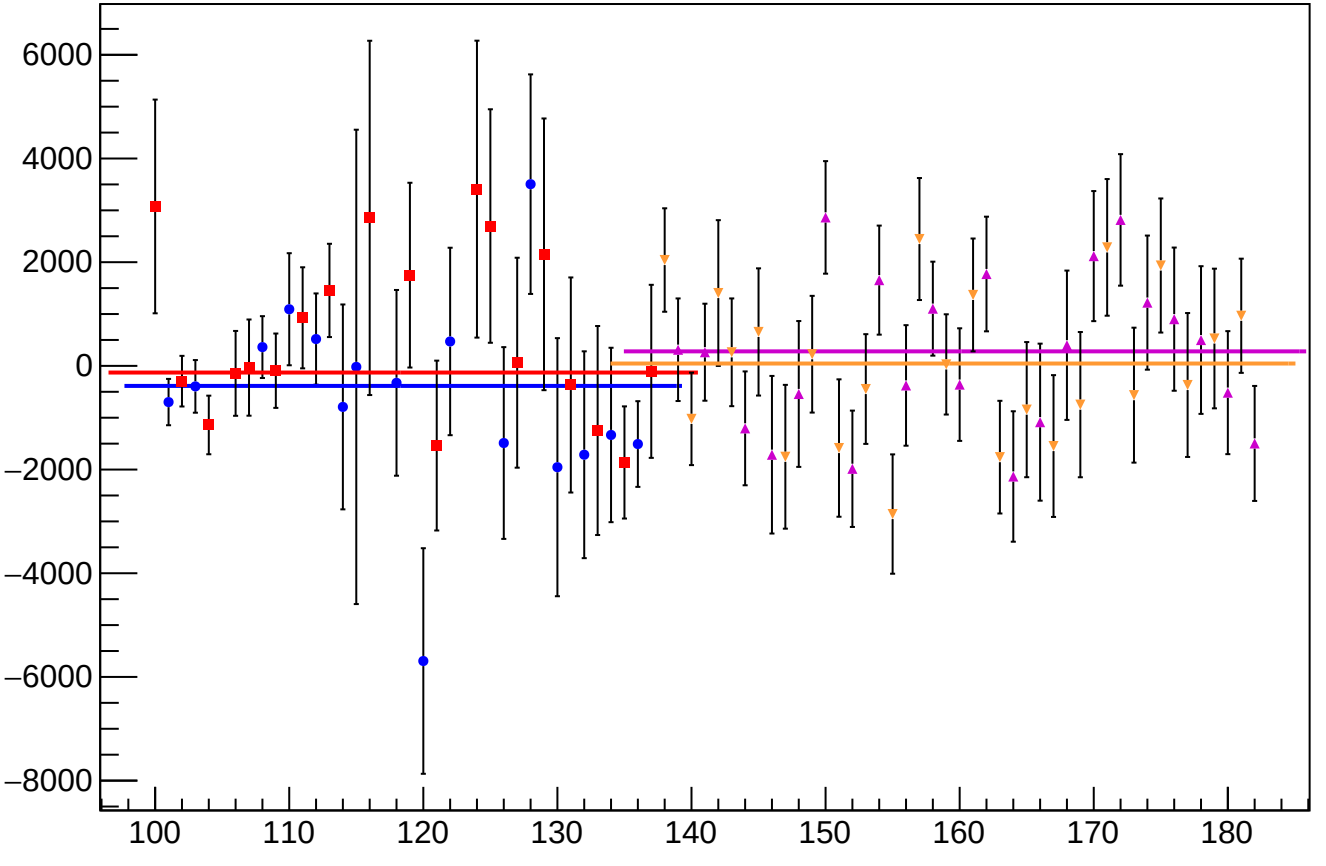
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 804.081+/-0.124 χ^2/NDF:8106600.9/37

Out: 811.679+/-0.122 χ^2/NDF:7446702.3/41

All: 807.918+/-0.087 χ^2/NDF: 15555209.2/79

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 45.322+/-245.015 χ^2/NDF:33.2/22

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 279.944+/-249.646 χ^2/NDF:33.1/21

Left: 160.437+/-174.866 χ^2/NDF: 66.7/44

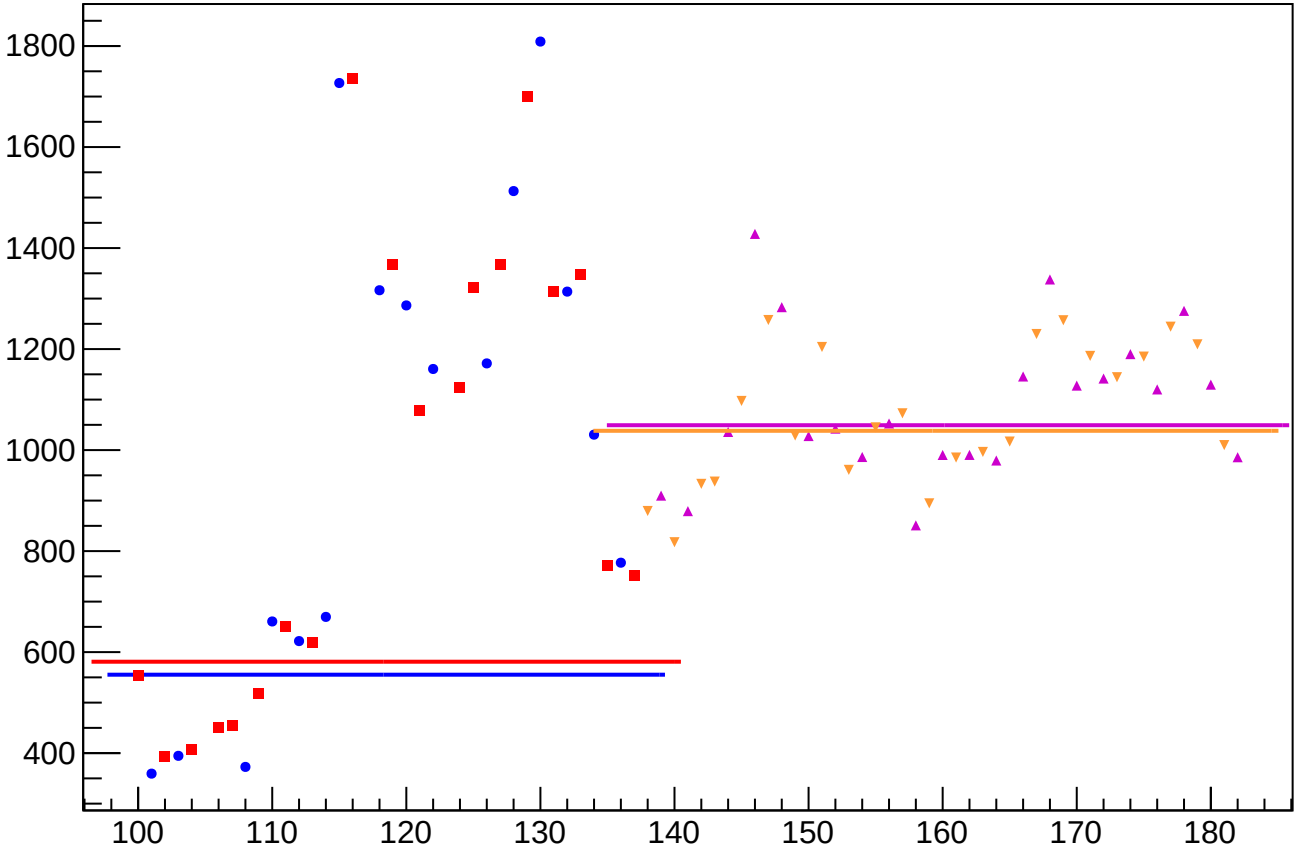
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -69.861+/-172.081 χ^2/NDF:54.7/37

Out: -44.068+/-170.806 χ^2/NDF:52.8/41

All: -56.869+/-121.226 χ^2/NDF: 107.6/79

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1038.196+/-0.173 χ^2/NDF:584198.9/22

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1049.252+/-0.177 χ^2/NDF:609016.2/21

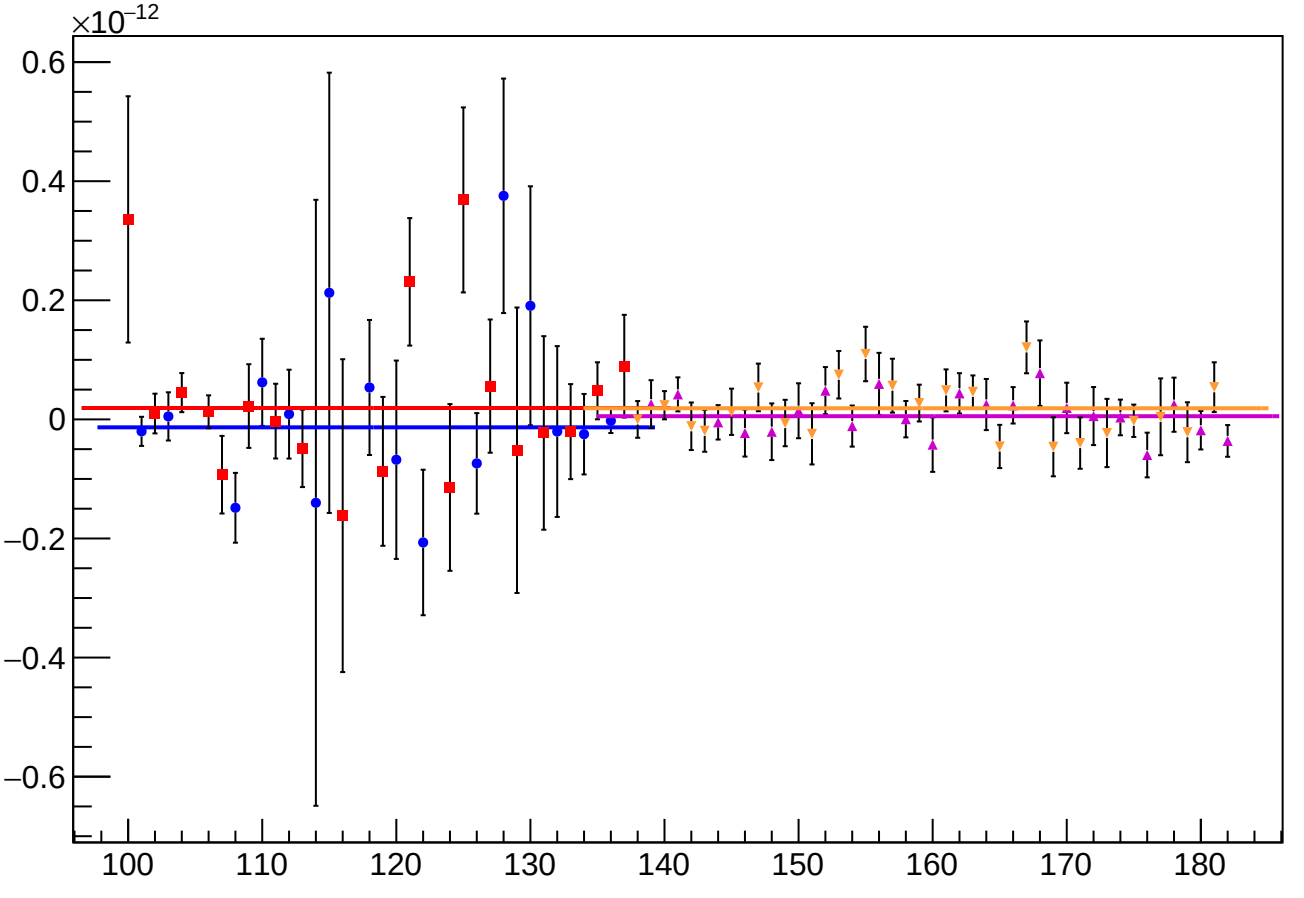
Left: 1043.621+/-0.124 χ^2/NDF: 1195213.0/44

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 789.990+/-0.122 χ^2/NDF:8201276.3/37

Out: 803.188+/-0.121 χ^2/NDF:7147352.6/41

All: 796.638+/-0.086 χ^2/NDF: 15354555.4/79



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/21

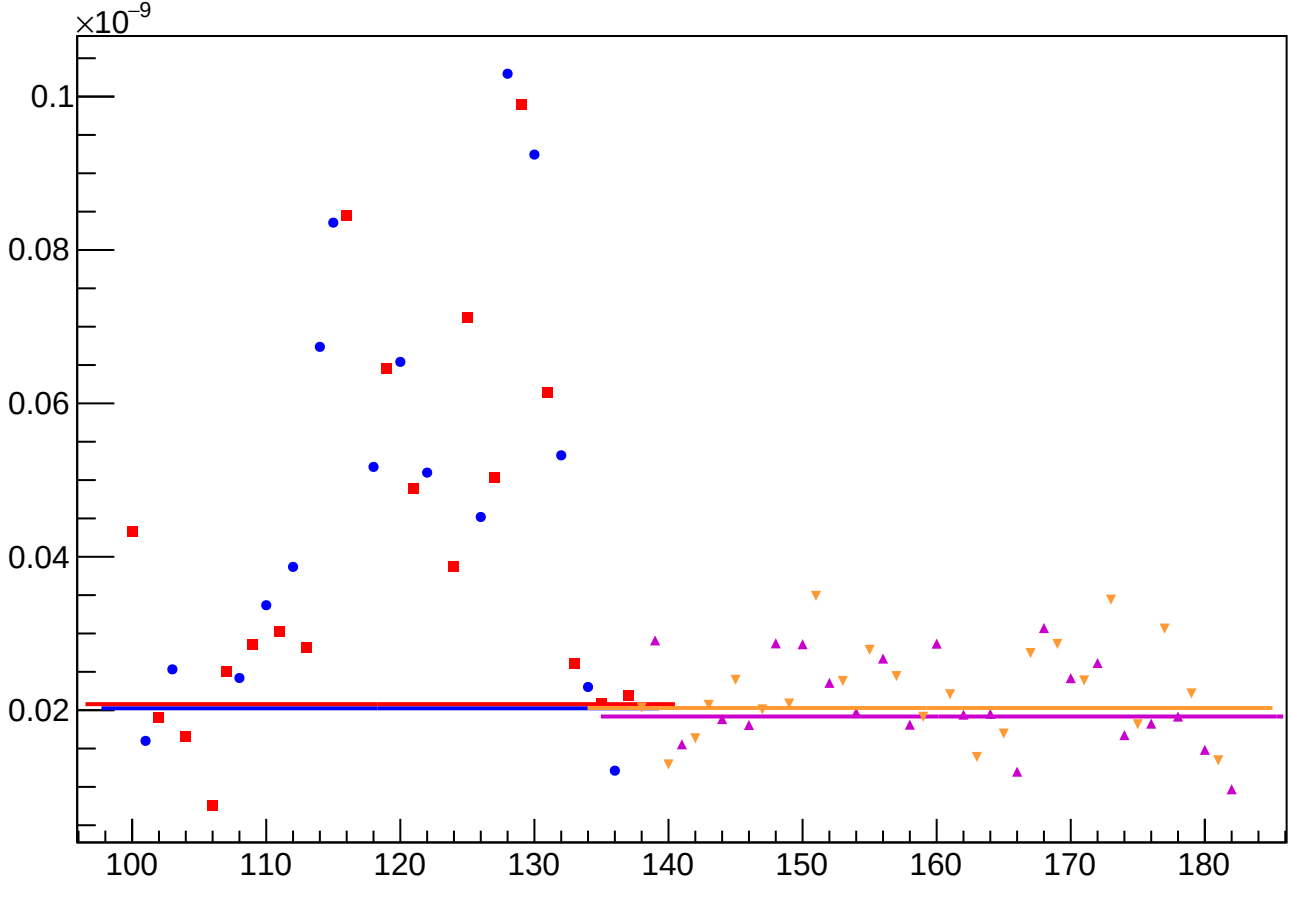
Left: 0.000+/-0.000 χ^2/NDF: 45.0/44

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:33.8/37

Out: 0.000+/-0.000 χ^2/NDF:47.1/41

All: 0.000+/-0.000 χ^2/NDF: 84.6/79



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:978519.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1047156.5/21

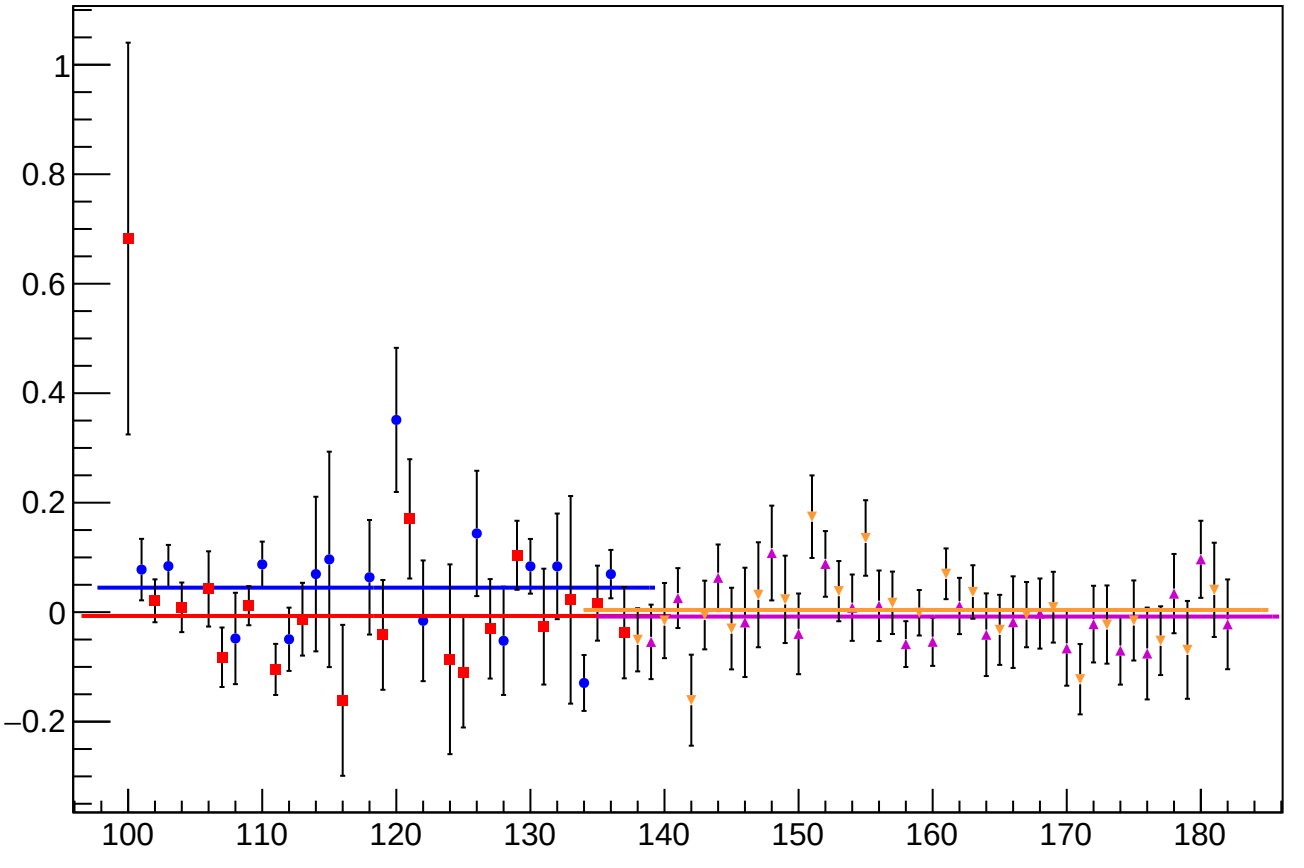
Left: 0.000+/-0.000 χ^2/NDF: 2046032.3/44

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:3061850.7/37

Out: 0.000+/-0.000 χ^2/NDF:2836358.8/41

All: 0.000+/-0.000 χ^2/NDF: 5917975.2/79



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.004+/-0.013 χ^2/NDF:23.0/22

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.014 χ^2/NDF:14.8/21

Left: -0.002+/-0.009 χ^2/NDF: 38.2/44

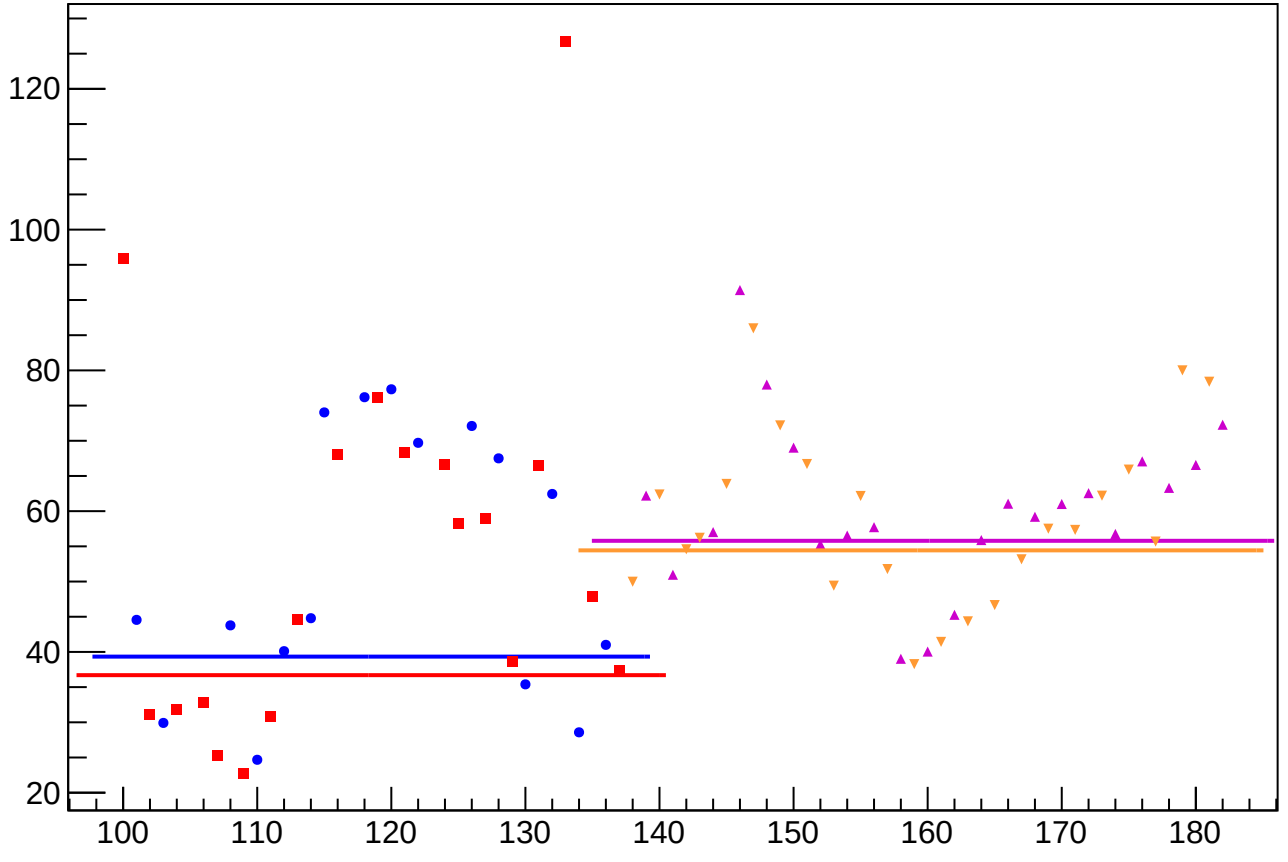
Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.010 χ^2/NDF:47.7/37

Out: -0.001+/-0.010 χ^2/NDF:43.5/41

All: 0.006+/-0.007 χ^2/NDF: 92.3/79

asym_sam6_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 54.430+/-0.009 χ^2/NDF:1463823.1/22

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.788+/-0.010 χ^2/NDF:1376604.5/21

Left: 55.089+/-0.007 χ^2/NDF: 2850706.8/44

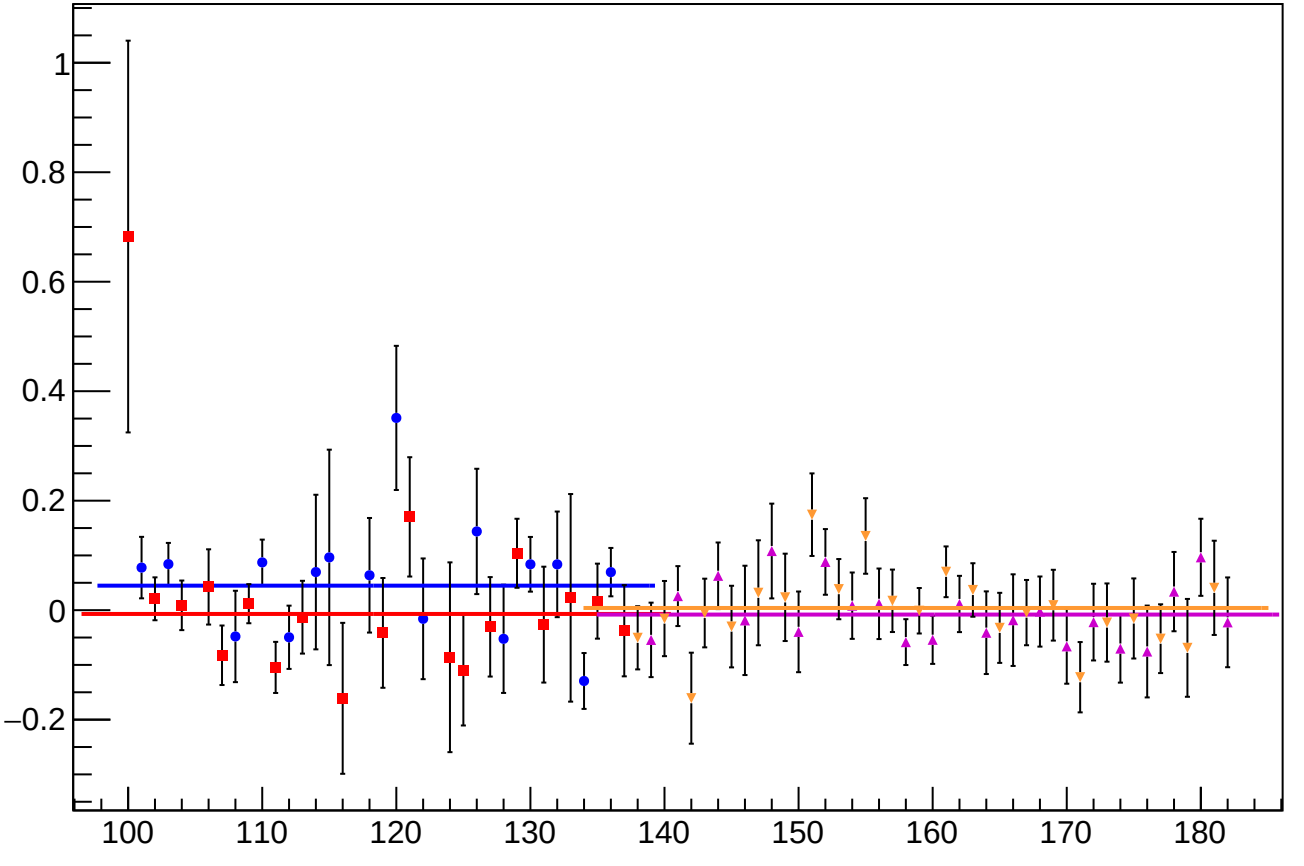
Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 48.904+/-0.007 χ^2/NDF:4169784.9/37

Out: 46.763+/-0.007 χ^2/NDF:5123333.2/41

All: 47.788+/-0.005 χ^2/NDF: 9337587.4/79

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.004+/-0.013 χ^2/NDF:23.0/22

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.014 χ^2/NDF:14.8/21

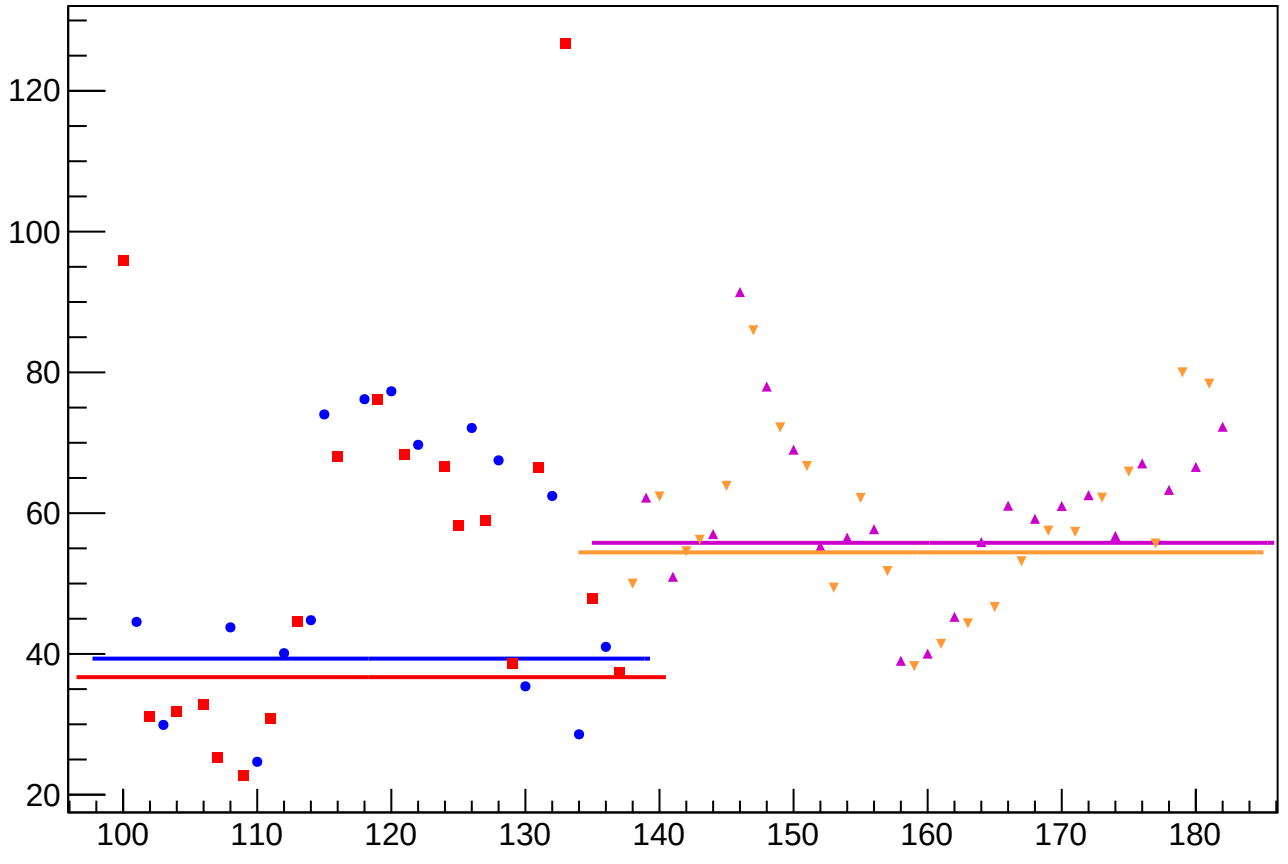
Left: -0.002+/-0.009 χ^2/NDF: 38.2/44

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.010 χ^2/NDF:47.7/37

Out: -0.001+/-0.010 χ^2/NDF:43.5/41

All: 0.006+/-0.007 χ^2/NDF: 92.3/79



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 54.430+/-0.009 χ^2/NDF:1463823.1/22

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.788+/-0.010 χ^2/NDF:1376604.5/21

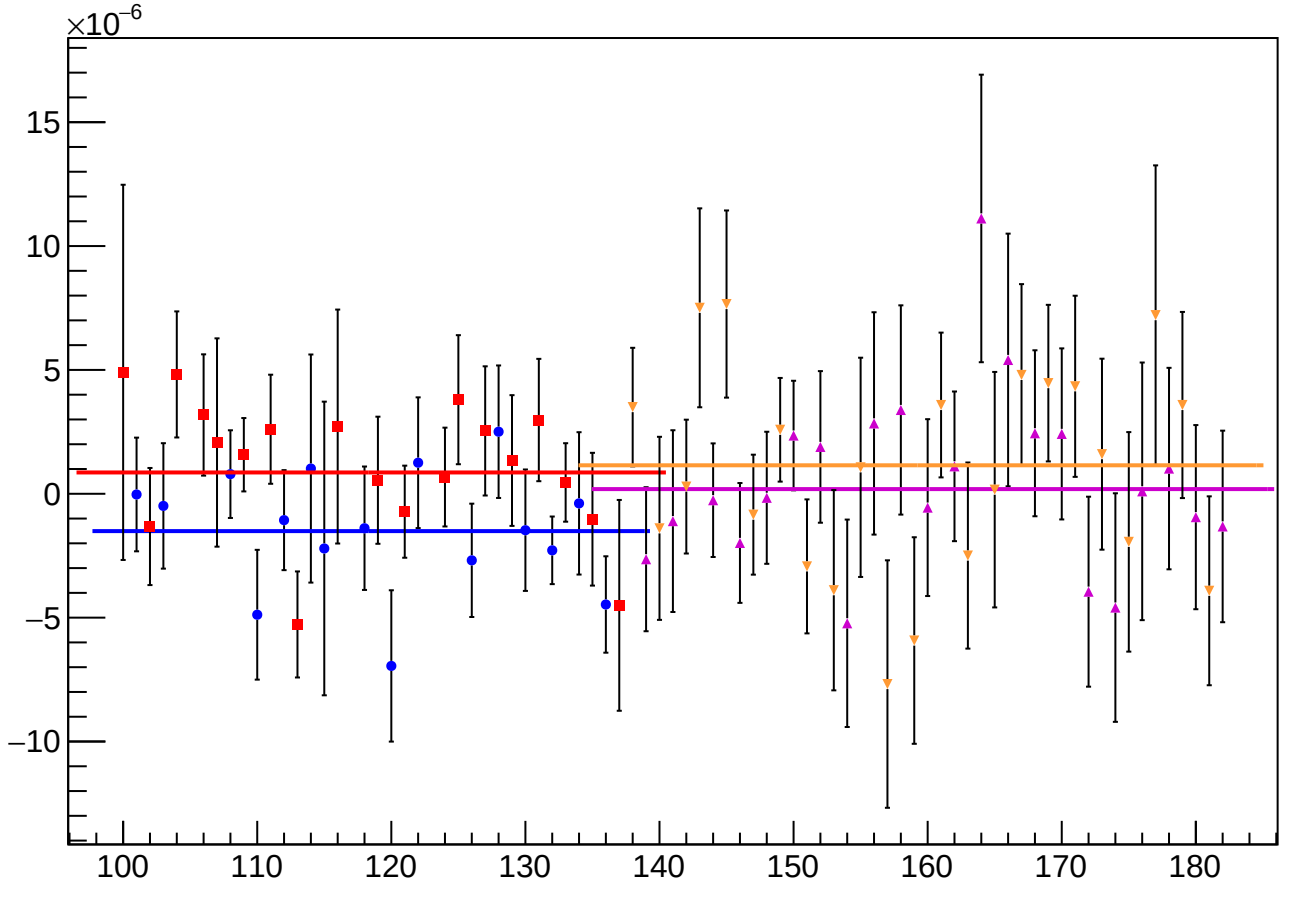
Left: 55.089+/-0.007 χ^2/NDF: 2850706.8/44

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 48.904+/-0.007 χ^2/NDF:4169784.9/37

Out: 46.763+/-0.007 χ^2/NDF:5123333.2/41

All: 47.788+/-0.005 χ^2/NDF: 9337587.4/79



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/21

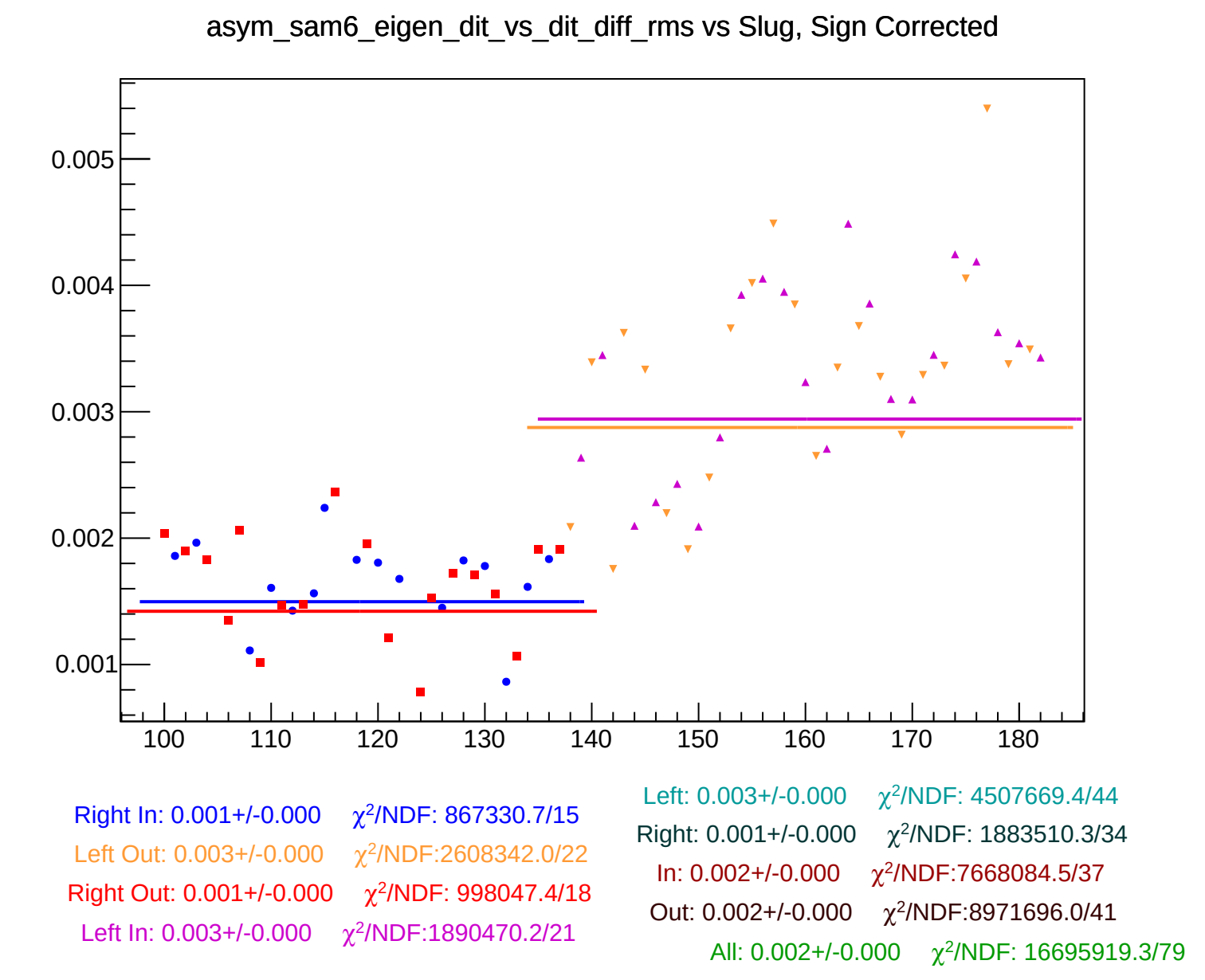
Left: 0.000+/-0.000 χ^2/NDF: 41.1/44

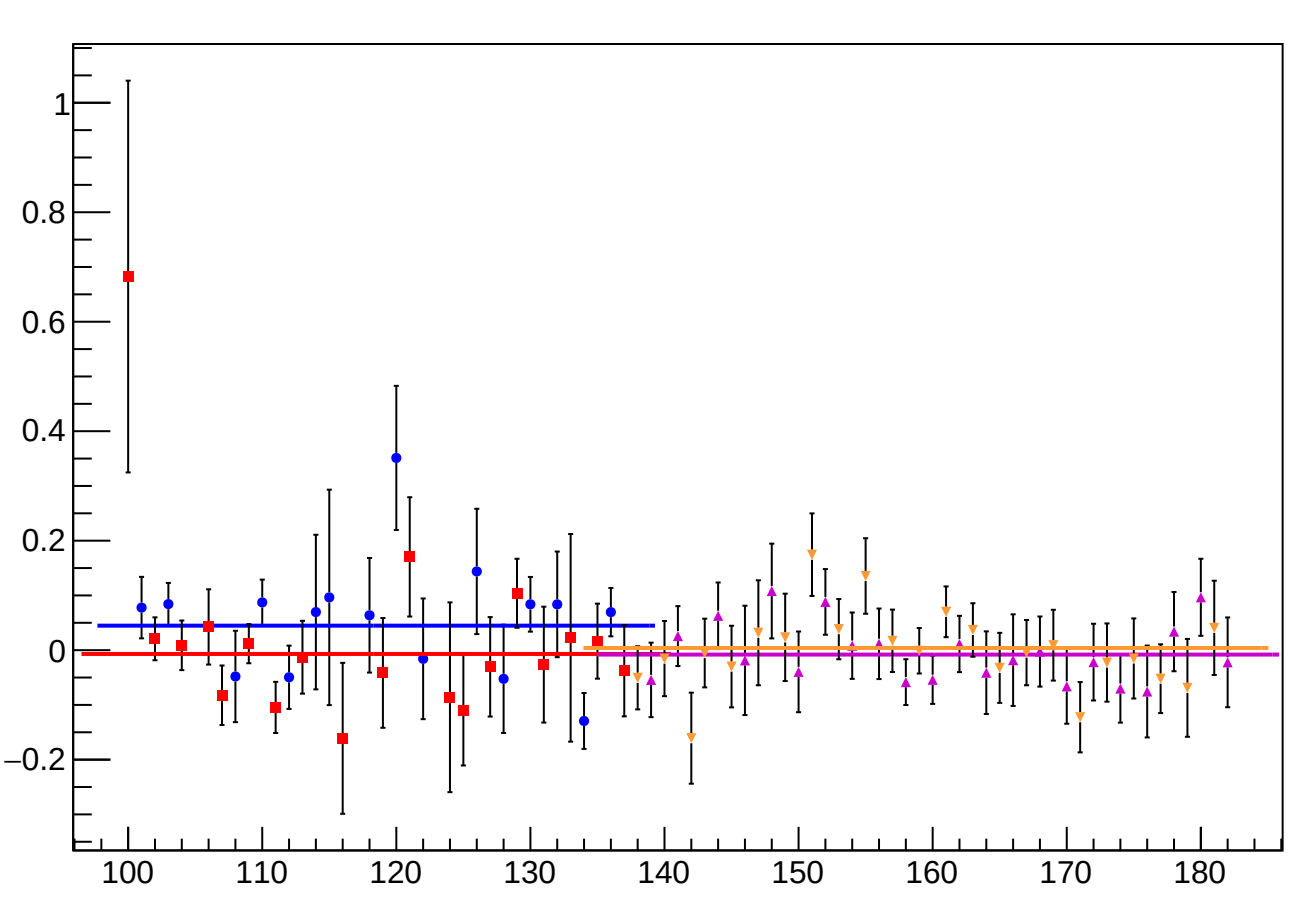
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:31.2/37

Out: 0.000+/-0.000 χ^2/NDF:45.4/41

All: 0.000+/-0.000 χ^2/NDF: 85.0/79


asym_sam6_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
170
180
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:2608342.0/22
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1890470.2/21
Left: 0.003+/-0.000 χ²/NDF: 4507669.4/44
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:7668084.5/37
Out: 0.002+/-0.000 χ²/NDF:8971696.0/41
All: 0.002+/-0.000 χ²/NDF: 16695919.3/79



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.004+/-0.013 χ^2/NDF:23.0/22

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.014 χ^2/NDF:14.8/21

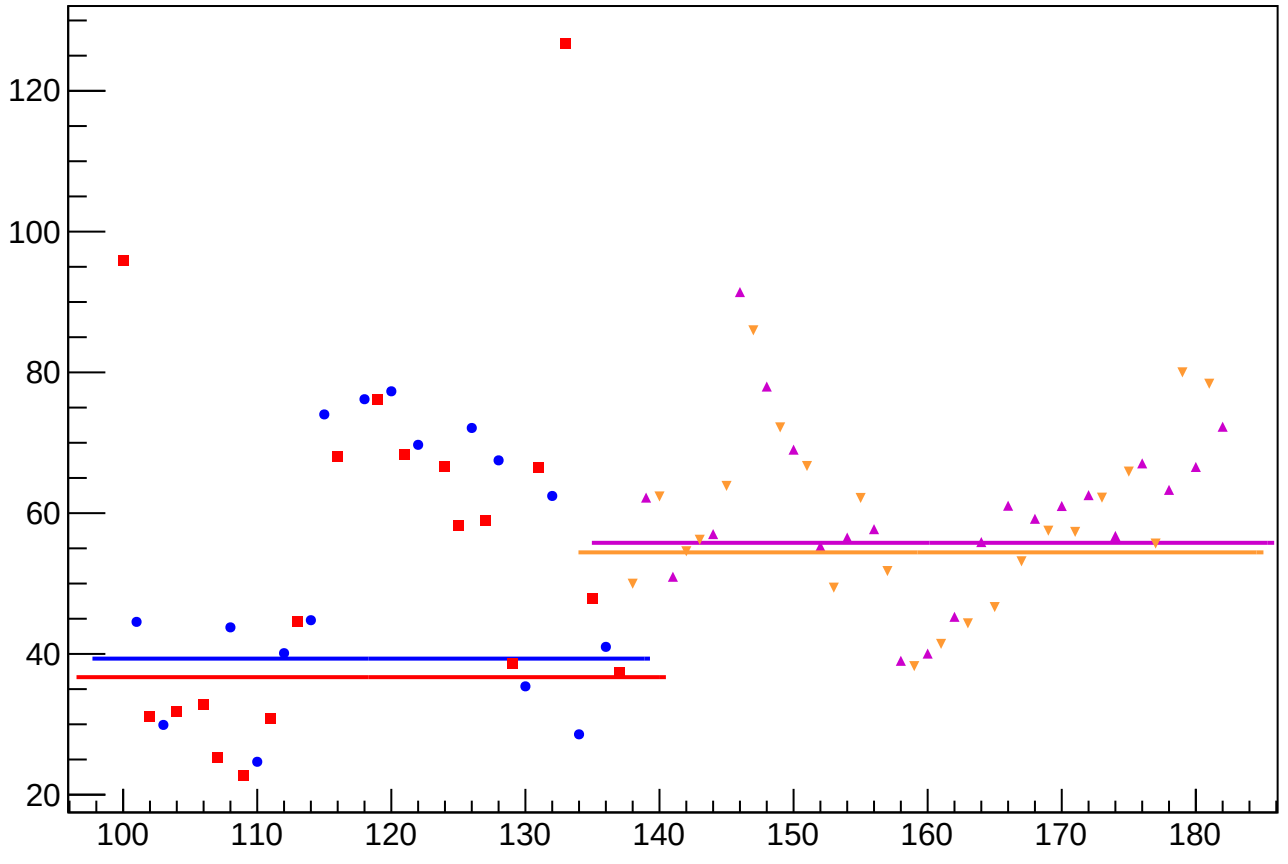
Left: -0.002+/-0.009 χ^2/NDF: 38.2/44

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.010 χ^2/NDF:47.7/37

Out: -0.001+/-0.010 χ^2/NDF:43.5/41

All: 0.006+/-0.007 χ^2/NDF: 92.3/79



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 54.429+/-0.009 χ^2/NDF:1463928.4/22

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.786+/-0.010 χ^2/NDF:1376767.2/21

Left: 55.087+/-0.007 χ^2/NDF: 2850972.7/44

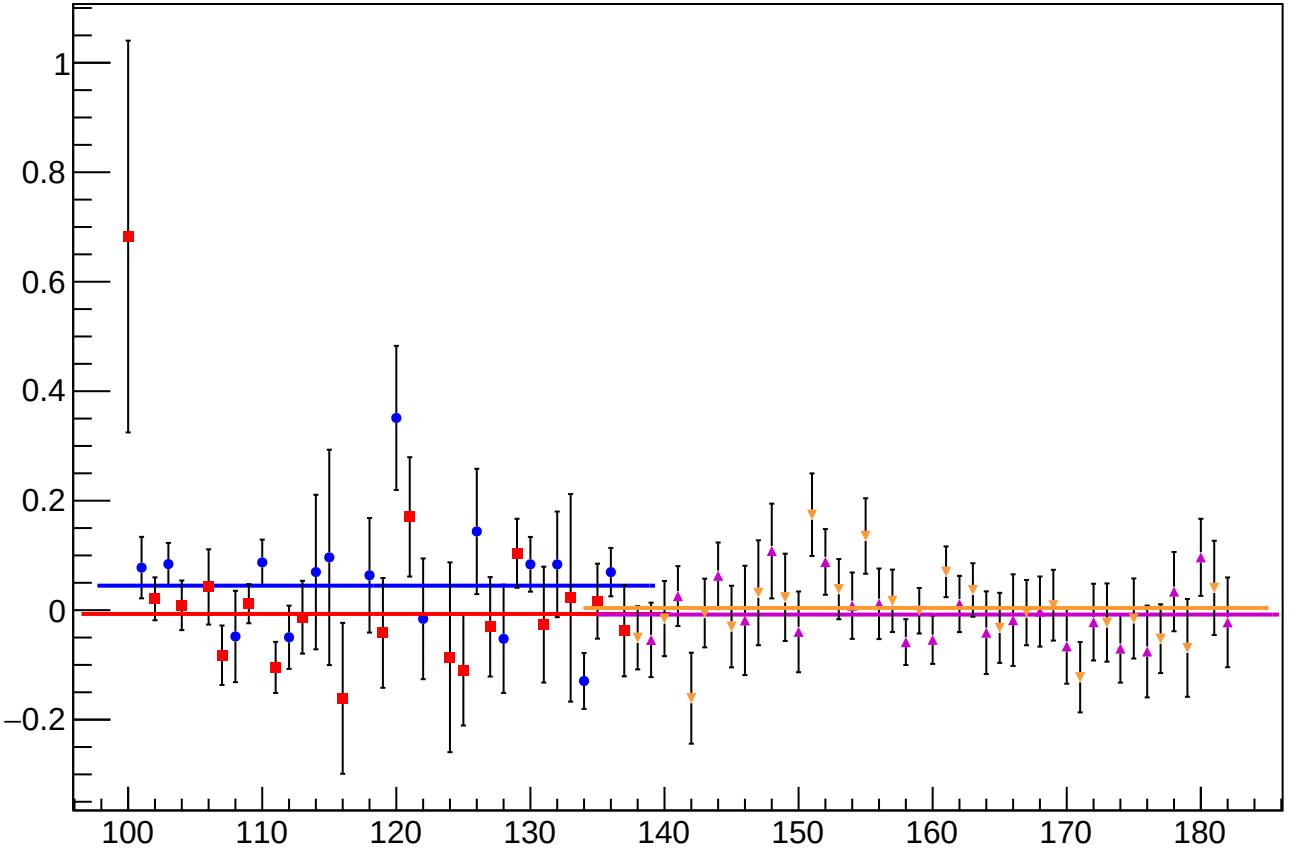
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 48.903+/-0.007 χ^2/NDF:4169908.2/37

Out: 46.762+/-0.007 χ^2/NDF:5123332.5/41

All: 47.787+/-0.005 χ^2/NDF: 9337700.9/79

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: 0.004+/-0.013 χ^2/NDF:23.0/22

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.014 χ^2/NDF:14.8/21

Left: -0.002+/-0.009 χ^2/NDF: 38.2/44

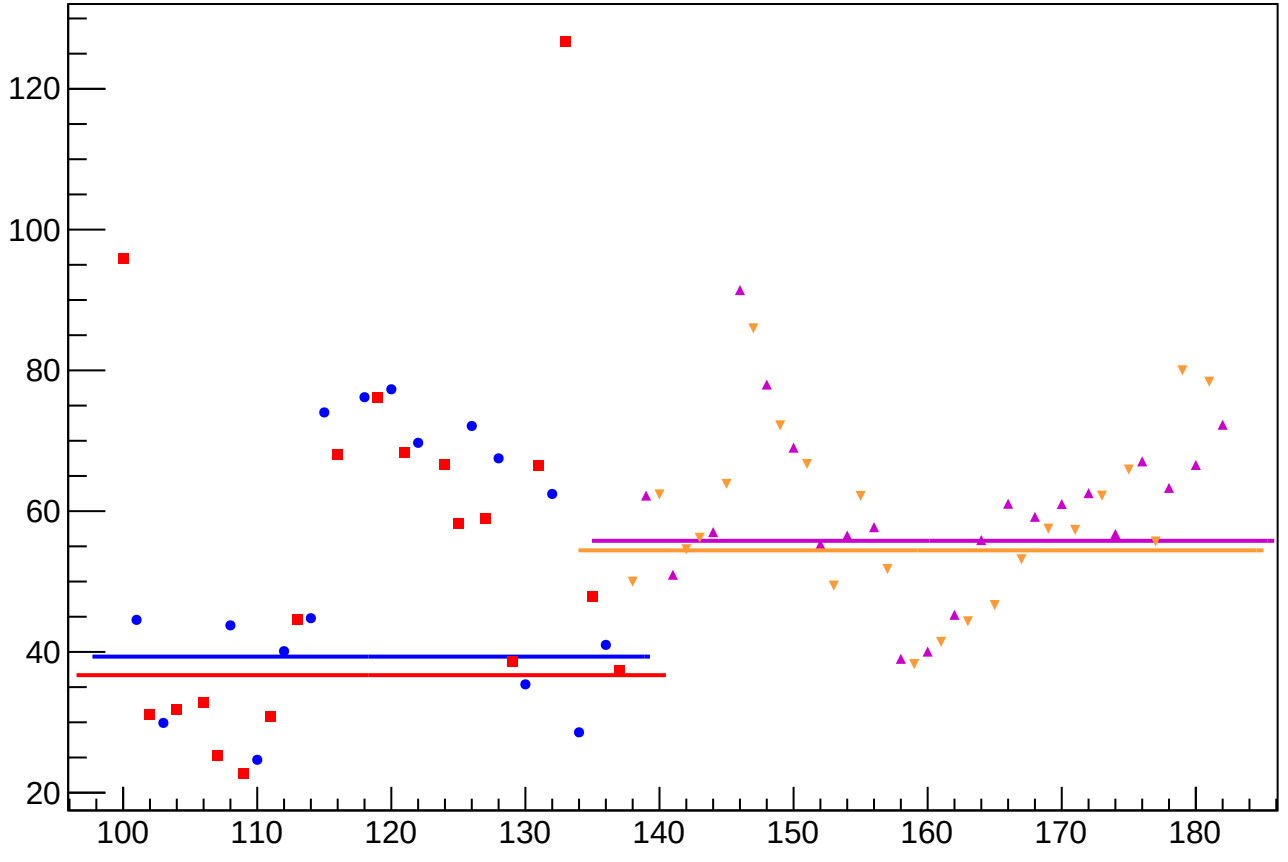
Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.010 χ^2/NDF:47.7/37

Out: -0.001+/-0.010 χ^2/NDF:43.5/41

All: 0.006+/-0.007 χ^2/NDF: 92.3/79

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: 54.429+/-0.009 χ^2/NDF:1463928.4/22

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.786+/-0.010 χ^2/NDF:1376767.2/21

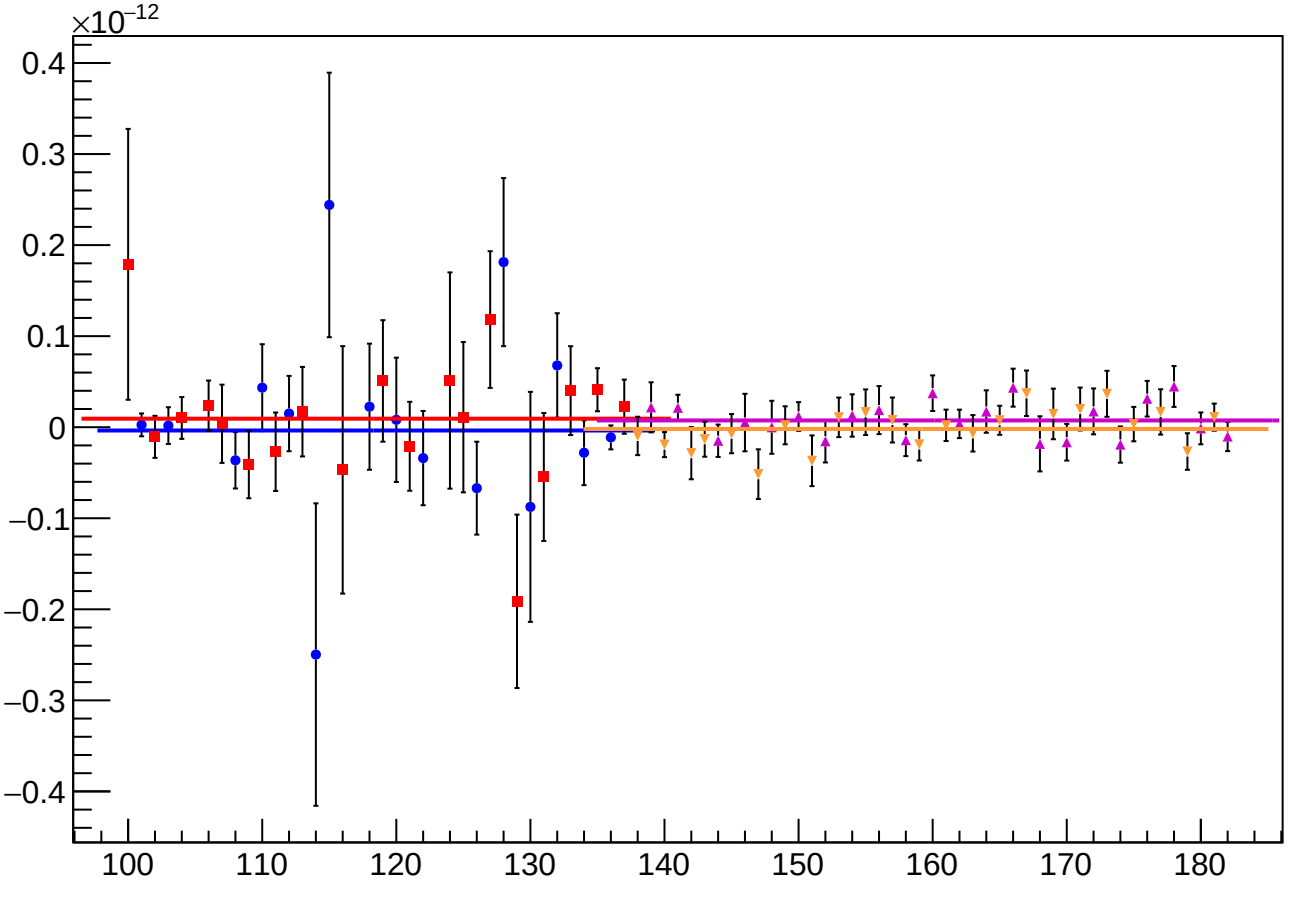
Left: 55.087+/-0.007 χ^2/NDF: 2850972.7/44

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 48.903+/-0.007 χ^2/NDF:4169908.2/37

Out: 46.762+/-0.007 χ^2/NDF:5123332.5/41

All: 47.787+/-0.005 χ^2/NDF: 9337700.9/79



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.0/21

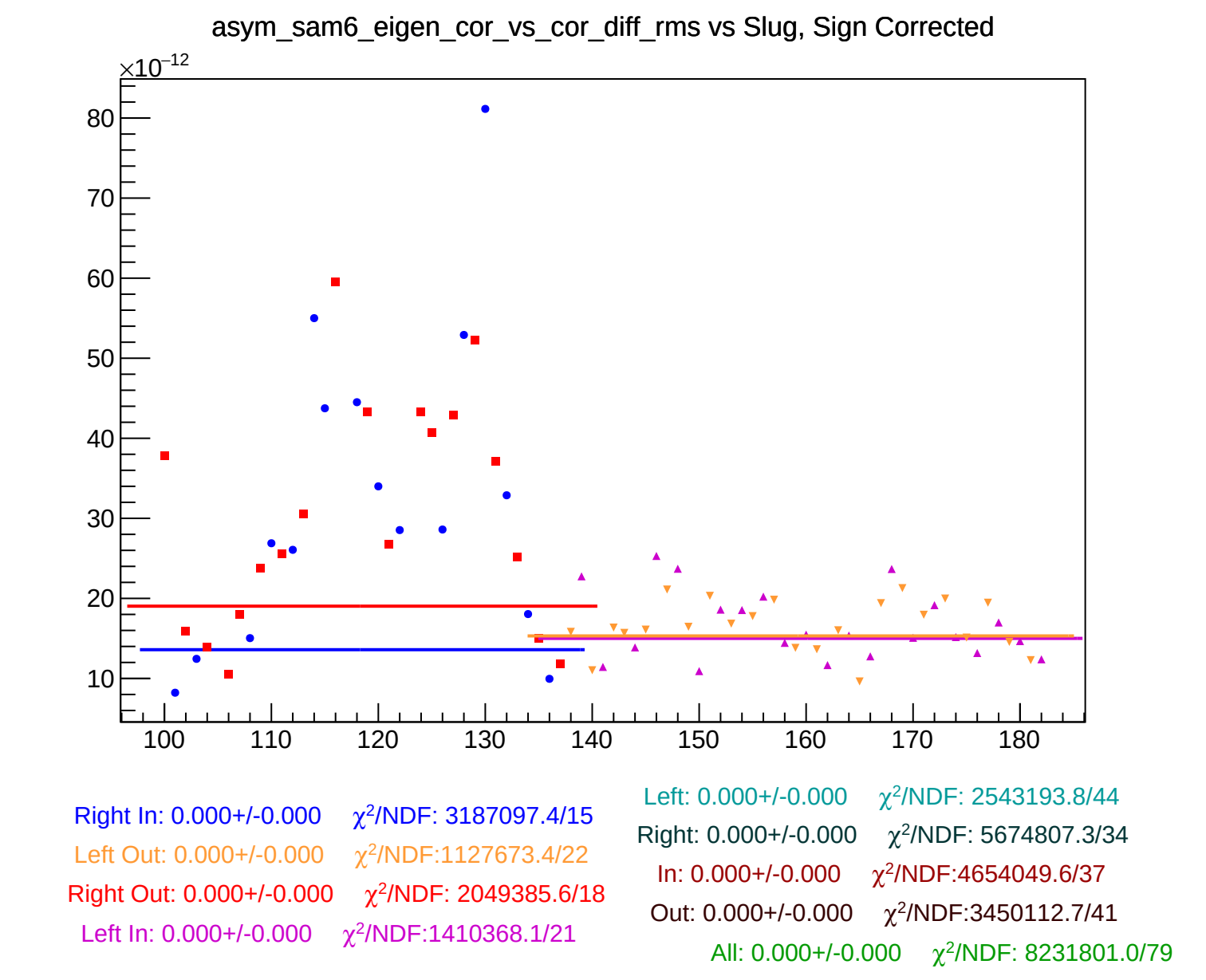
Left: 0.000+/-0.000 χ^2/NDF: 42.6/44

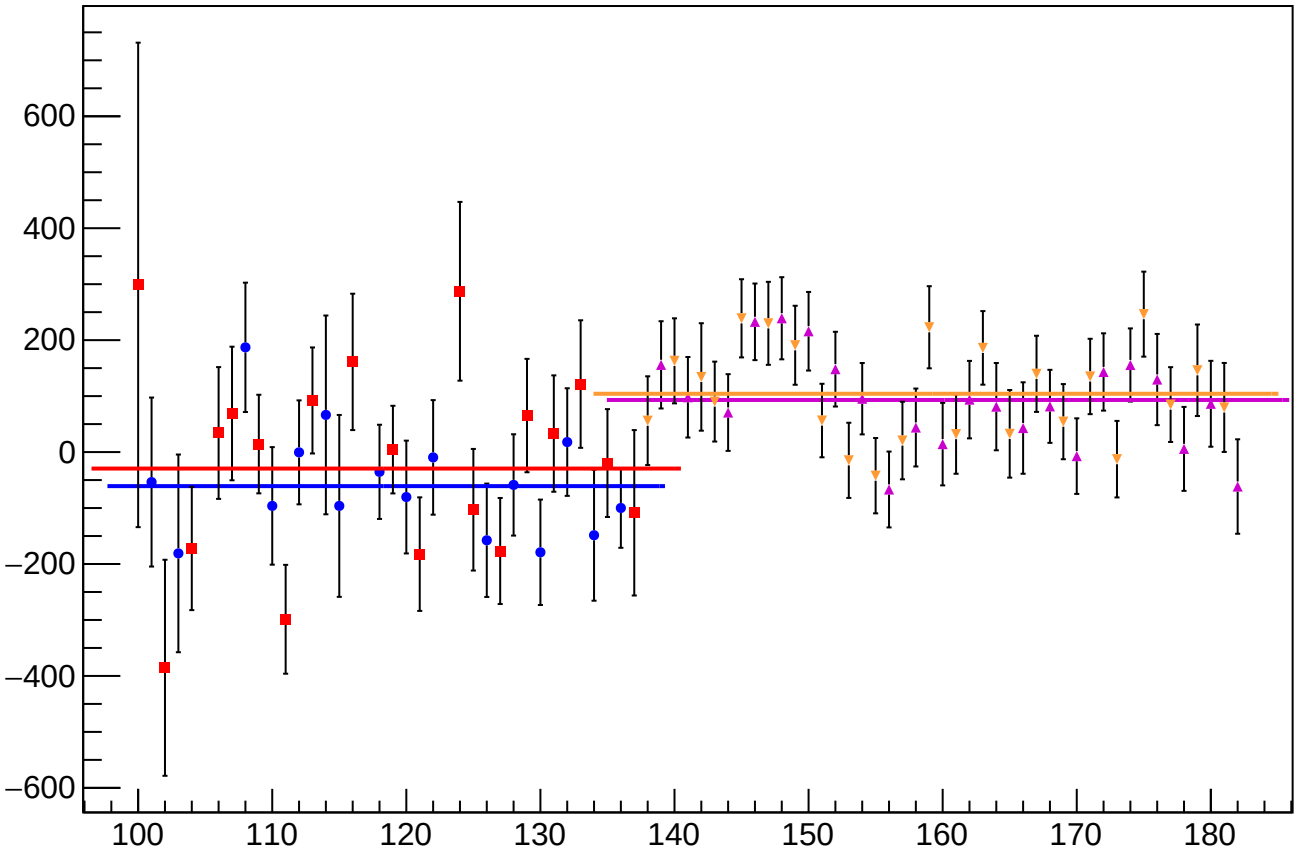
Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:39.3/37

Out: 0.000+/-0.000 χ^2/NDF:36.2/41

All: 0.000+/-0.000 χ^2/NDF: 76.2/79


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1127673.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1410368.1/21
Left: 0.000+/-0.000 χ²/NDF: 2543193.8/44
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4654049.6/37
Out: 0.000+/-0.000 χ²/NDF:3450112.7/41
All: 0.000+/-0.000 χ²/NDF: 8231801.0/79



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.188+/-14.966 χ^2/NDF:33.0/22

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 93.079+/-15.232 χ^2/NDF:28.8/21

Left: 98.731+/-10.676 χ^2/NDF: 62.1/44

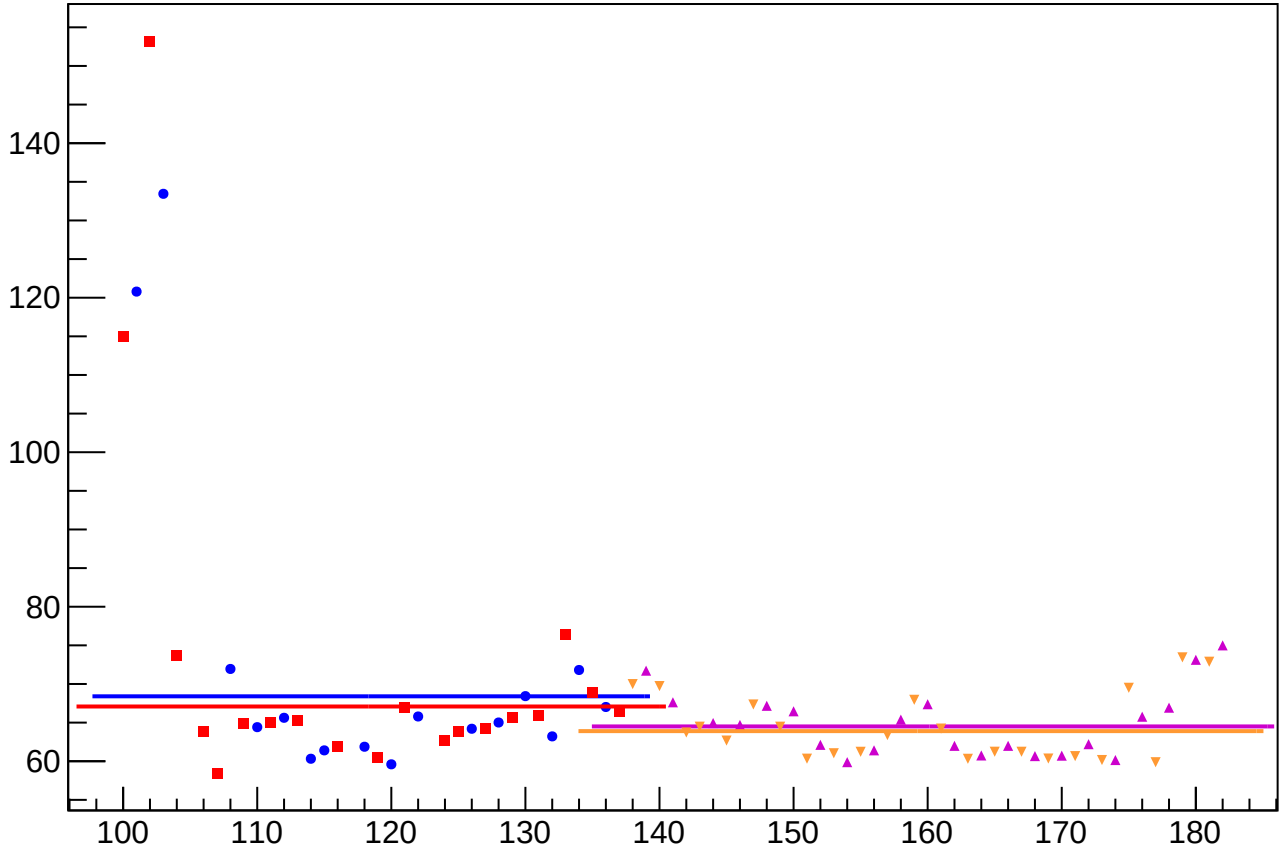
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 53.868+/-13.150 χ^2/NDF:65.4/37

Out: 69.146+/-12.855 χ^2/NDF:85.1/41

All: 61.680+/-9.192 χ^2/NDF: 151.2/79

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.898+/-0.011 χ^2/NDF:146246.9/22

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 64.506+/-0.011 χ^2/NDF:137999.4/21

Left: 64.196+/-0.008 χ^2/NDF: 285865.8/44

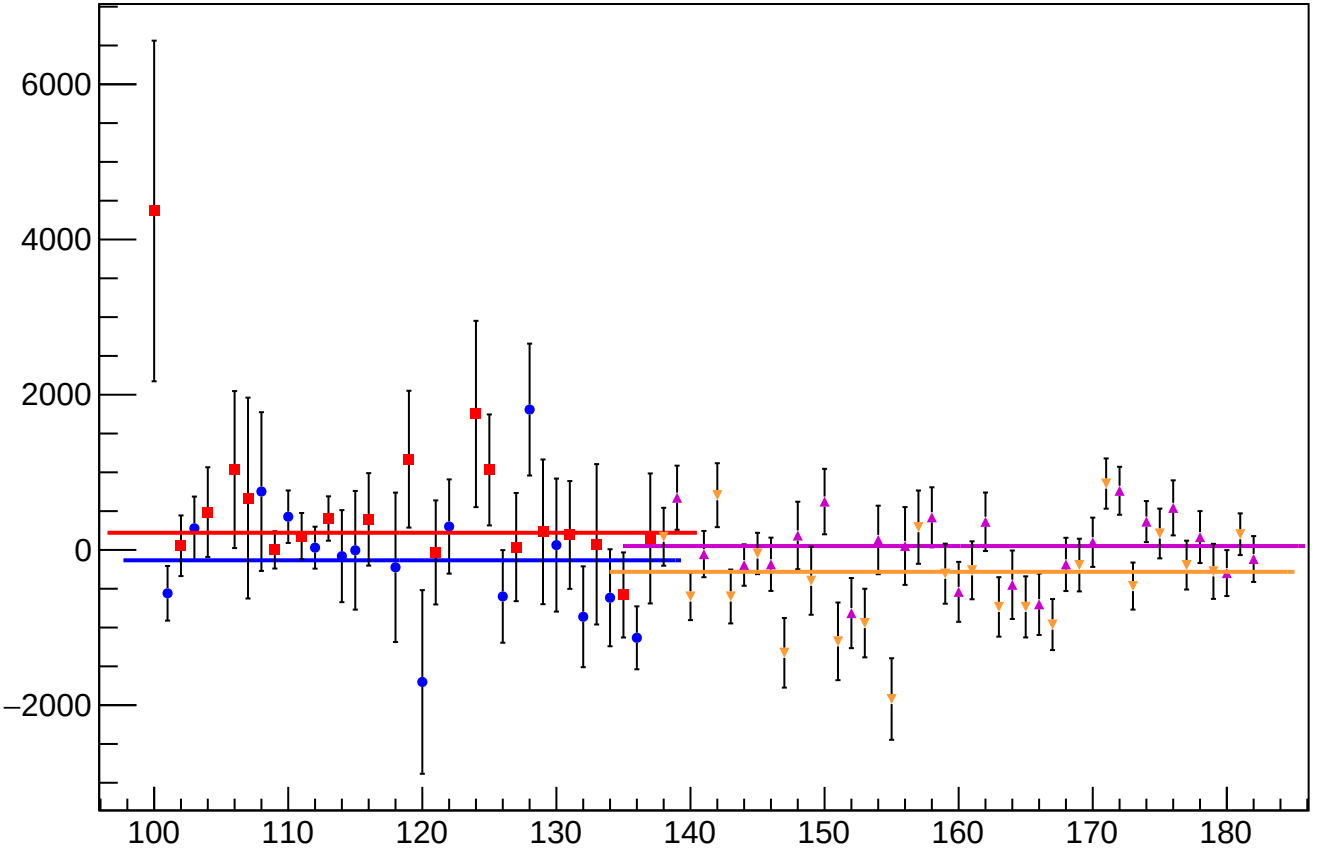
Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 65.498+/-0.009 χ^2/NDF:740916.6/37

Out: 64.734+/-0.009 χ^2/NDF:651853.5/41

All: 65.107+/-0.007 χ^2/NDF: 1396228.5/79

asym_sam7_reg_correction_mean vs Slug, Sign Corrected



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -282.097+/-74.372 χ^2/NDF:57.5/22

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 50.145+/-74.650 χ^2/NDF:29.1/21

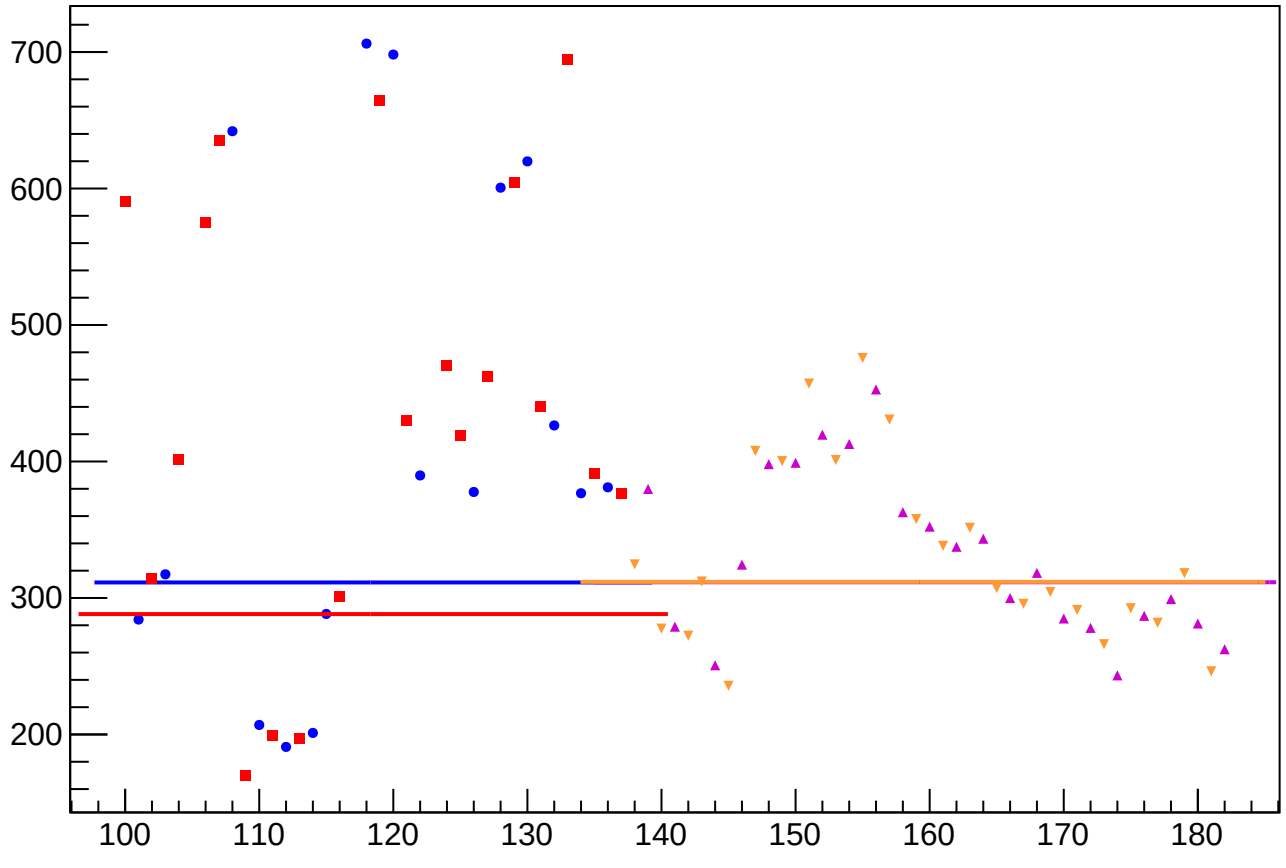
Left: -116.594+/-52.687 χ^2/NDF: 96.6/44

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: 2.354+/-64.212 χ^2/NDF:53.2/37

Out: -138.593+/-62.885 χ^2/NDF:83.1/41

All: -69.590+/-44.928 χ^2/NDF: 138.8/79



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 311.826+/-0.053 χ^2/NDF:1218561.9/22

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 311.523+/-0.053 χ^2/NDF:1068187.0/21

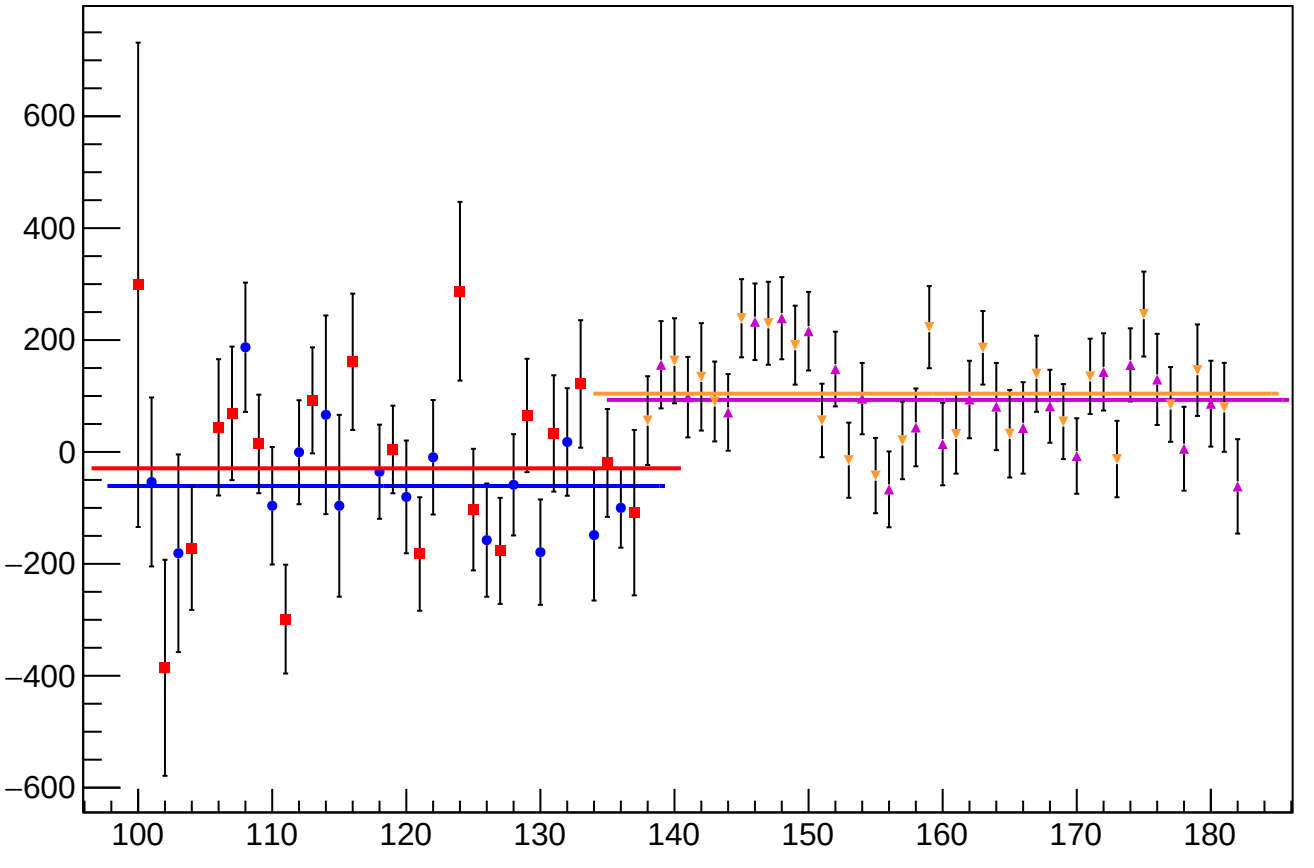
Left: 311.675+/-0.037 χ^2/NDF: 2286765.6/44

Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 311.487+/-0.045 χ^2/NDF:3191986.4/37

Out: 305.093+/-0.044 χ^2/NDF:3991454.8/41

All: 308.223+/-0.032 χ^2/NDF: 7193564.7/79



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.188+/-14.966 χ^2/NDF:33.0/22

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 93.078+/-15.232 χ^2/NDF:28.8/21

Left: 98.731+/-10.676 χ^2/NDF: 62.1/44

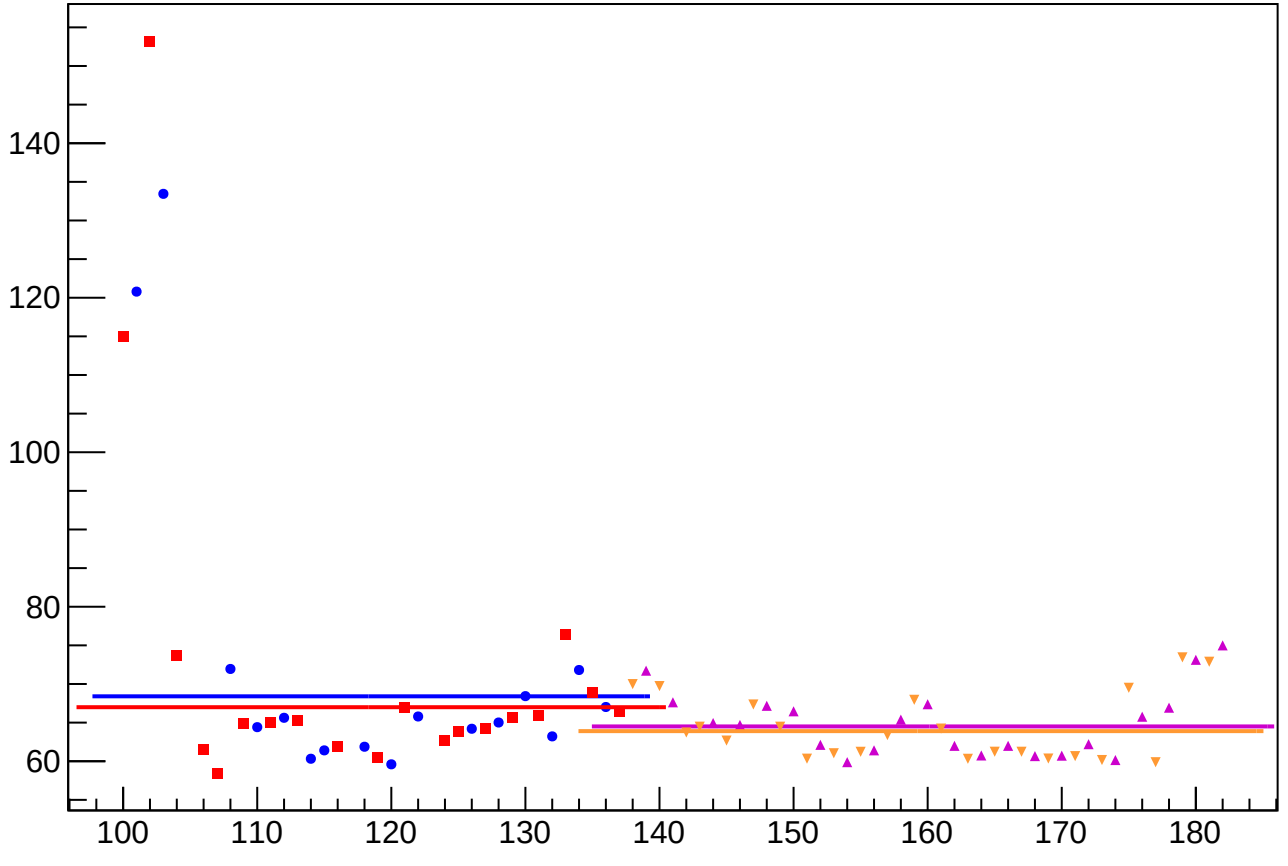
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 53.867+/-13.150 χ^2/NDF:65.4/37

Out: 69.285+/-12.861 χ^2/NDF:85.1/41

All: 61.747+/-9.194 χ^2/NDF: 151.2/79

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.898+/-0.011 χ^2/NDF:146246.9/22

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.506+/-0.011 χ^2/NDF:137999.4/21

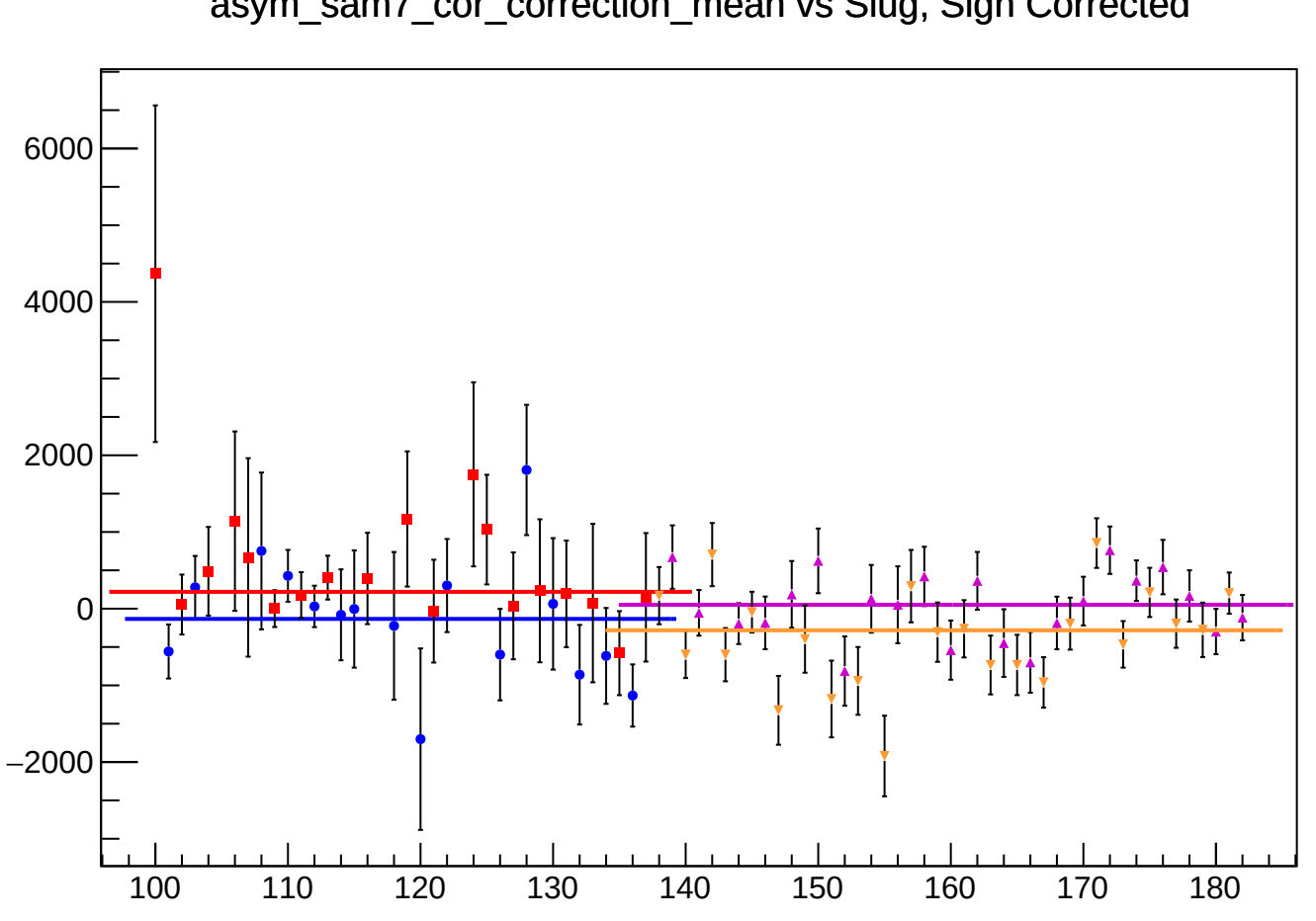
Left: 64.196+/-0.008 χ^2/NDF: 285865.8/44

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.498+/-0.009 χ^2/NDF:740916.9/37

Out: 64.708+/-0.009 χ^2/NDF:653136.0/41

All: 65.095+/-0.007 χ^2/NDF: 1397746.1/79



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -282.097+/-74.372 χ^2/NDF:57.5/22

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 50.143+/-74.650 χ^2/NDF:29.1/21

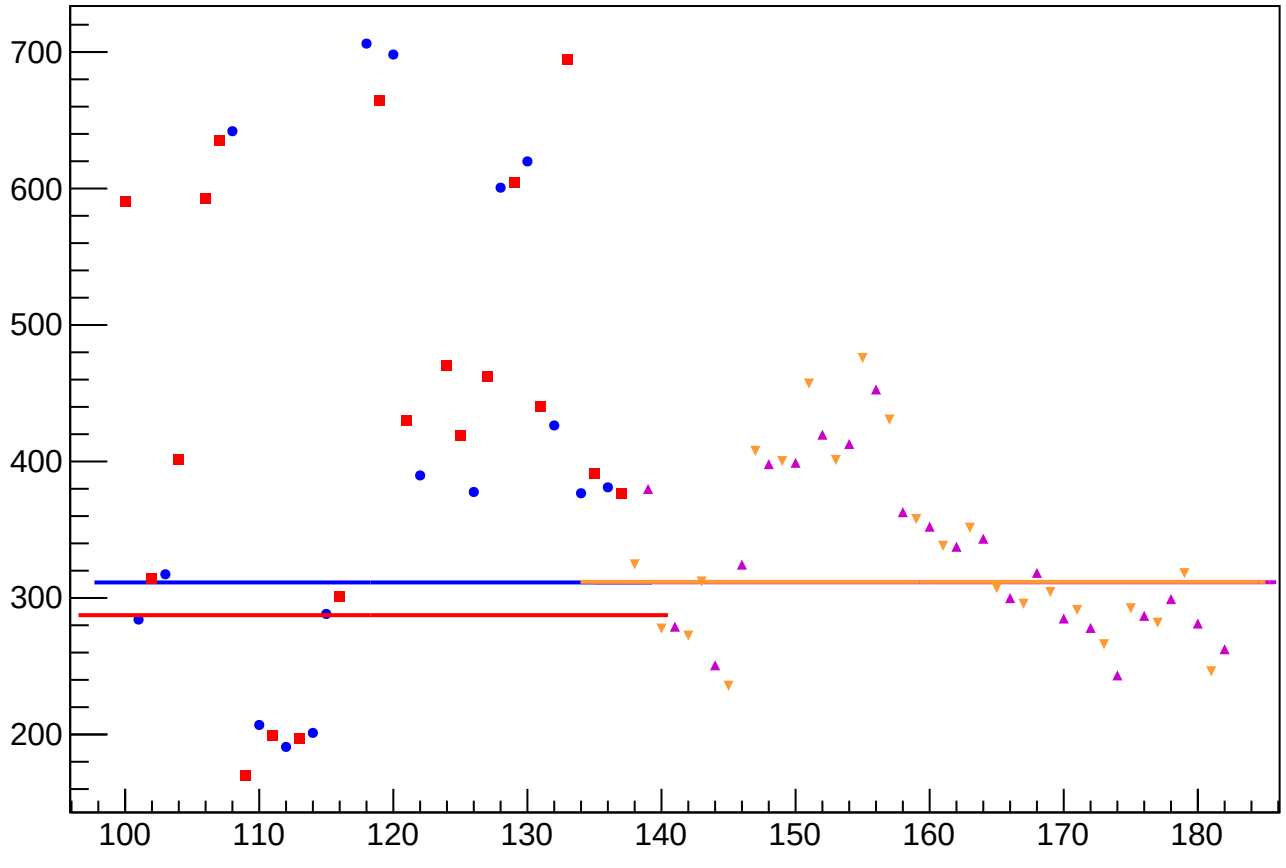
Left: -116.595+/-52.687 χ^2/NDF: 96.6/44

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: 2.354+/-64.212 χ^2/NDF:53.2/37

Out: -139.438+/-62.916 χ^2/NDF:83.0/41

All: -69.987+/-44.940 χ^2/NDF: 138.6/79



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 311.826+/-0.053 χ^2/NDF:1218559.6/22

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 311.523+/-0.053 χ^2/NDF:1068188.6/21

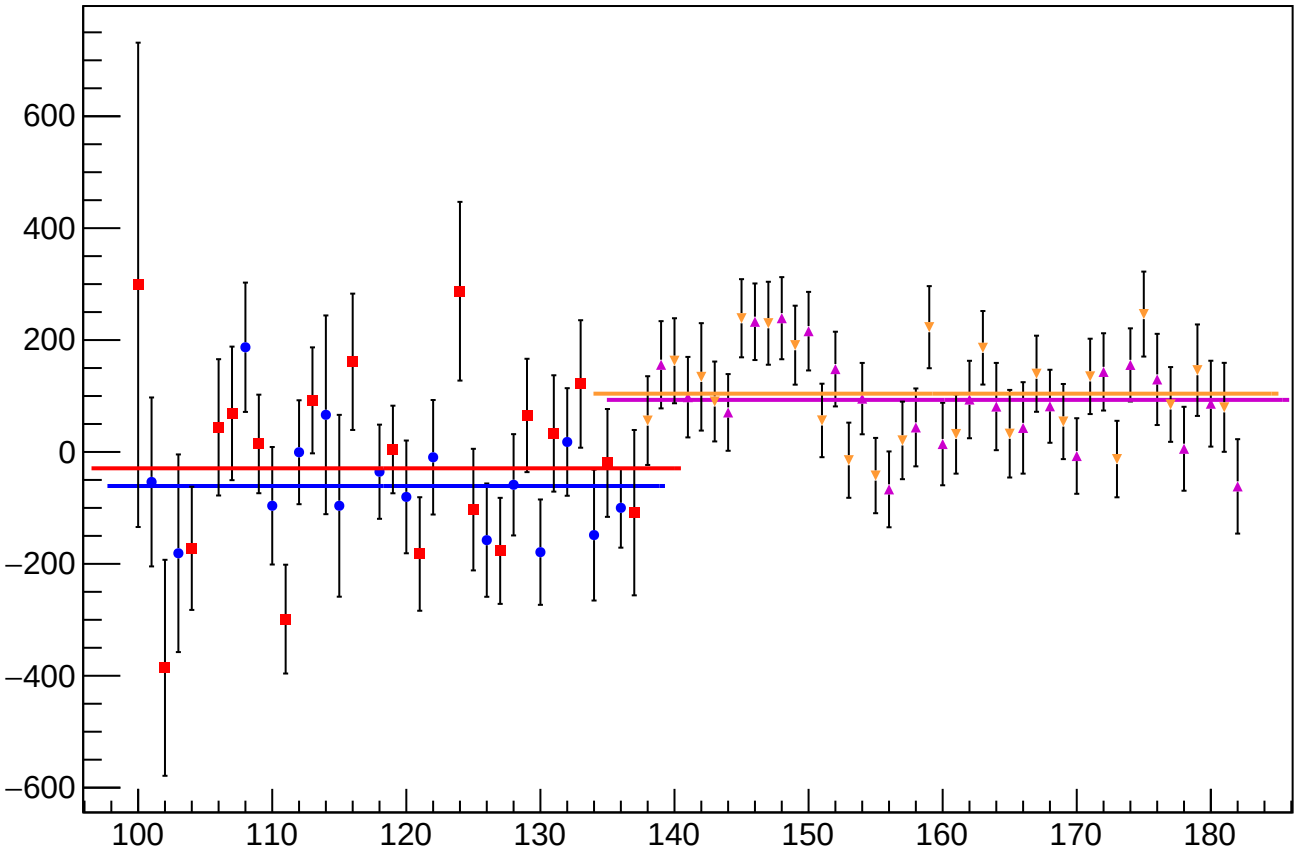
Left: 311.675+/-0.037 χ^2/NDF: 2286764.9/44

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 311.488+/-0.045 χ^2/NDF:3191989.4/37

Out: 304.885+/-0.044 χ^2/NDF:3970095.1/41

All: 308.119+/-0.032 χ^2/NDF: 7172875.2/79



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.188+/-14.966 χ^2/NDF:33.0/22

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 93.078+/-15.232 χ^2/NDF:28.8/21

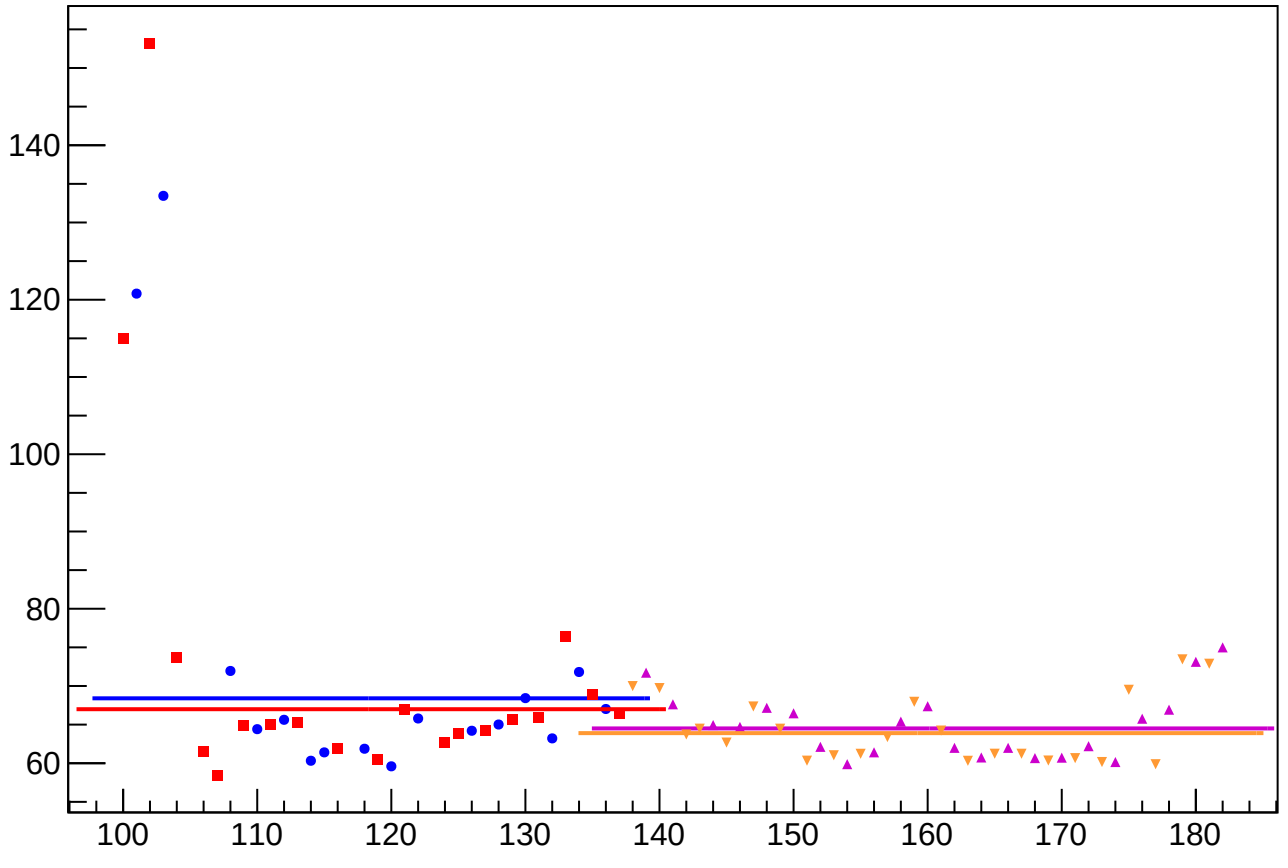
Left: 98.731+/-10.676 χ^2/NDF: 62.1/44

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 53.867+/-13.150 χ^2/NDF:65.4/37

Out: 69.285+/-12.861 χ^2/NDF:85.1/41

All: 61.747+/-9.194 χ^2/NDF: 151.2/79



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.898+/-0.011 χ^2/NDF:146246.9/22

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.506+/-0.011 χ^2/NDF:137999.4/21

Left: 64.196+/-0.008 χ^2/NDF: 285865.8/44

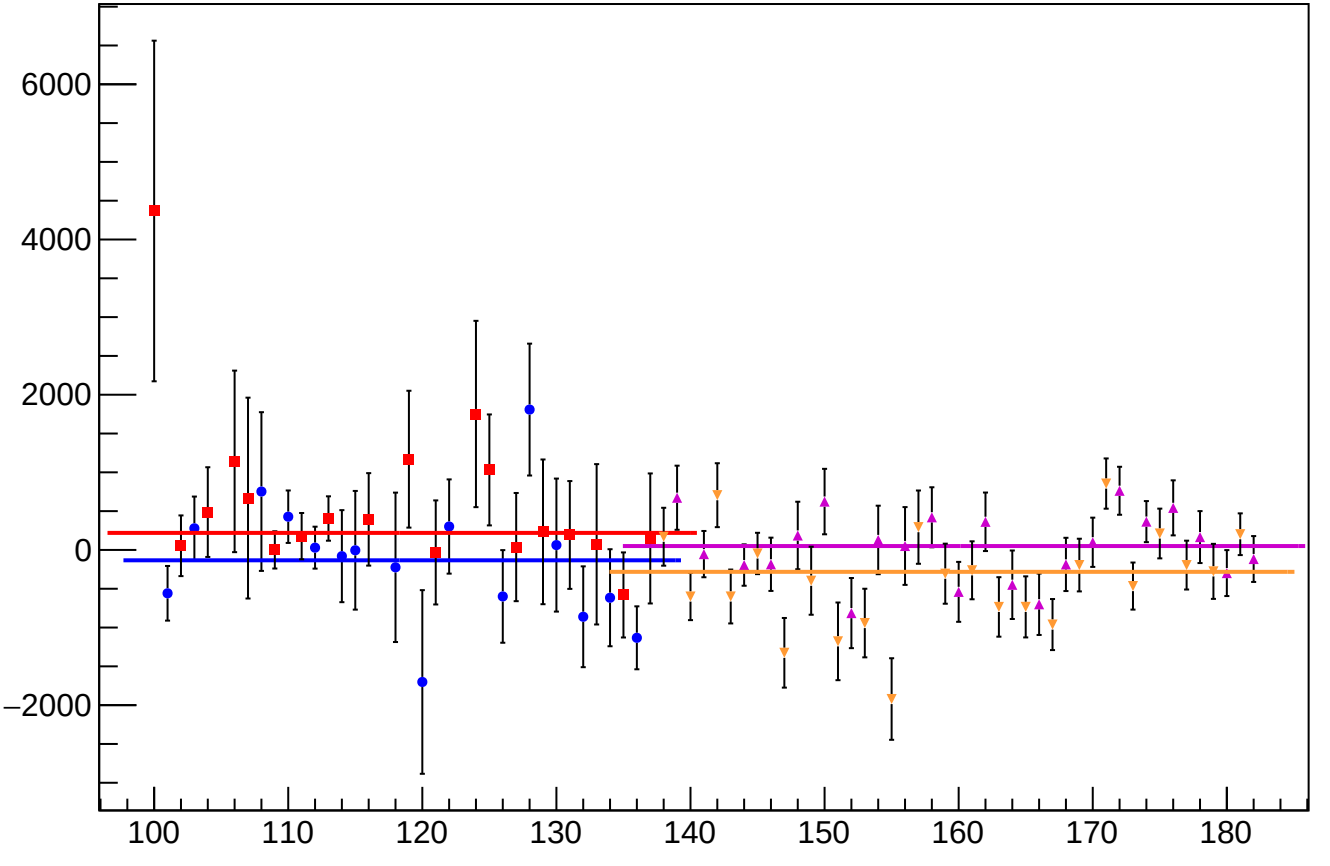
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.498+/-0.009 χ^2/NDF:740916.9/37

Out: 64.708+/-0.009 χ^2/NDF:653136.0/41

All: 65.095+/-0.007 χ^2/NDF: 1397746.1/79

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -282.097+/-74.372 χ^2/NDF:57.5/22

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 50.143+/-74.650 χ^2/NDF:29.1/21

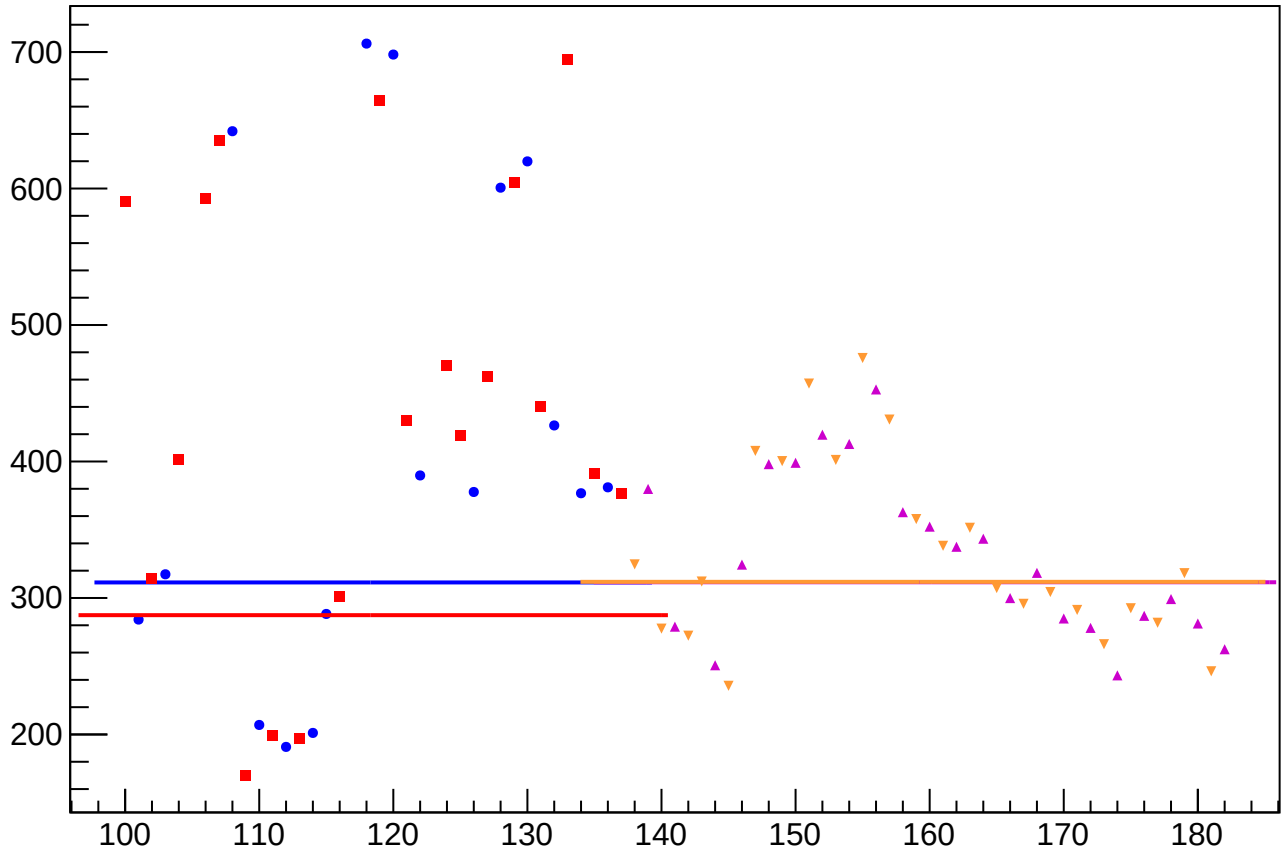
Left: -116.595+/-52.687 χ^2/NDF: 96.6/44

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: 2.354+/-64.212 χ^2/NDF:53.2/37

Out: -139.438+/-62.916 χ^2/NDF:83.0/41

All: -69.987+/-44.940 χ^2/NDF: 138.6/79



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 311.826+/-0.053 χ^2/NDF:1218559.6/22

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 311.523+/-0.053 χ^2/NDF:1068188.6/21

Left: 311.675+/-0.037 χ^2/NDF: 2286764.9/44

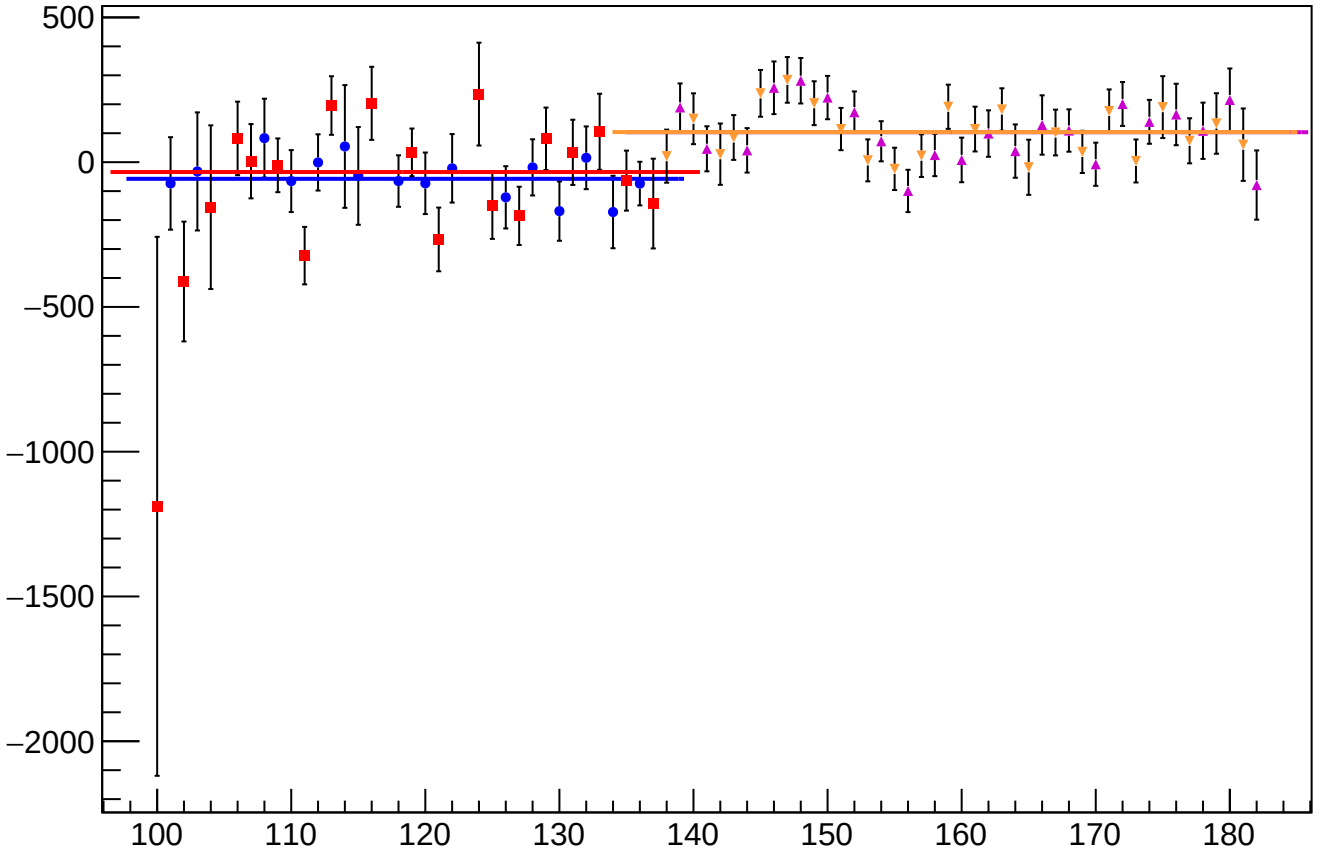
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 311.488+/-0.045 χ^2/NDF:3191989.4/37

Out: 304.885+/-0.044 χ^2/NDF:3970095.1/41

All: 308.119+/-0.032 χ^2/NDF: 7172875.2/79

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 103.916+/-16.916 χ^2/NDF:26.2/22

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 103.498+/-17.357 χ^2/NDF:32.7/21

Left: 103.712+/-12.115 χ^2/NDF: 58.9/44

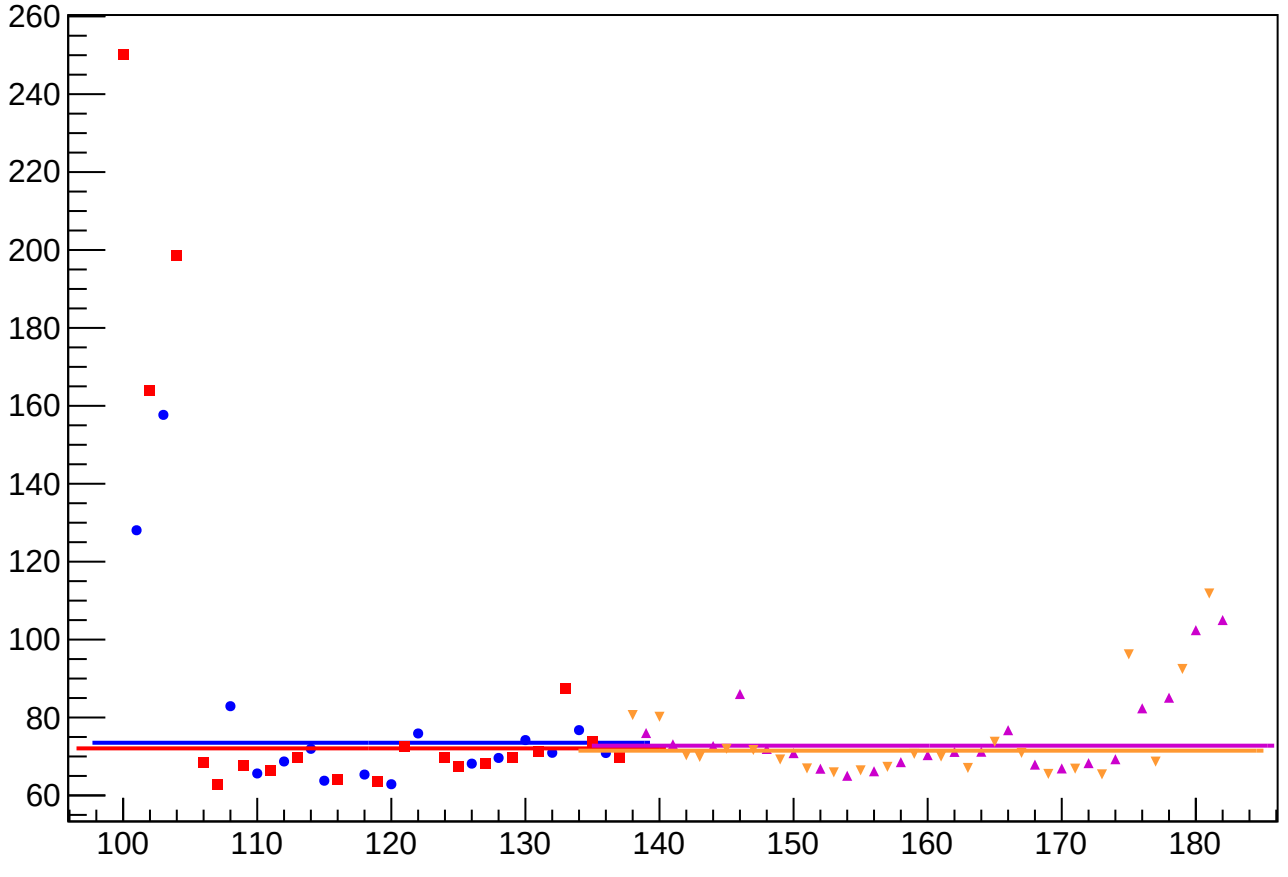
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 58.995+/-14.765 χ^2/NDF:61.4/37

Out: 65.842+/-14.394 χ^2/NDF:81.7/41

All: 62.506+/-10.307 χ^2/NDF: 143.2/79

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 71.489+/-0.012 χ^2/NDF:520403.8/22

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 72.768+/-0.012 χ^2/NDF:489759.1/21

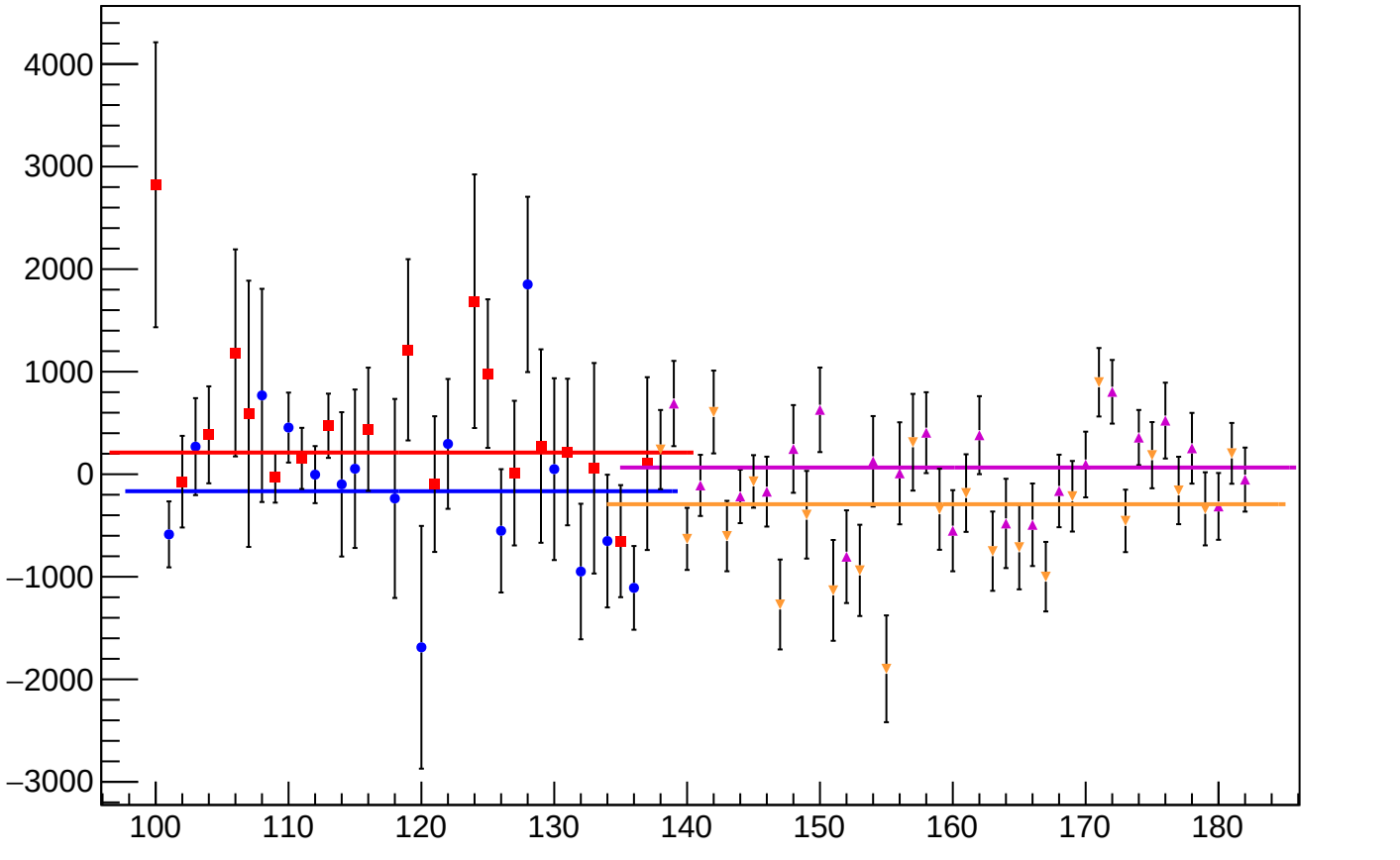
Left: 72.112+/-0.009 χ^2/NDF: 1015736.9/44

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

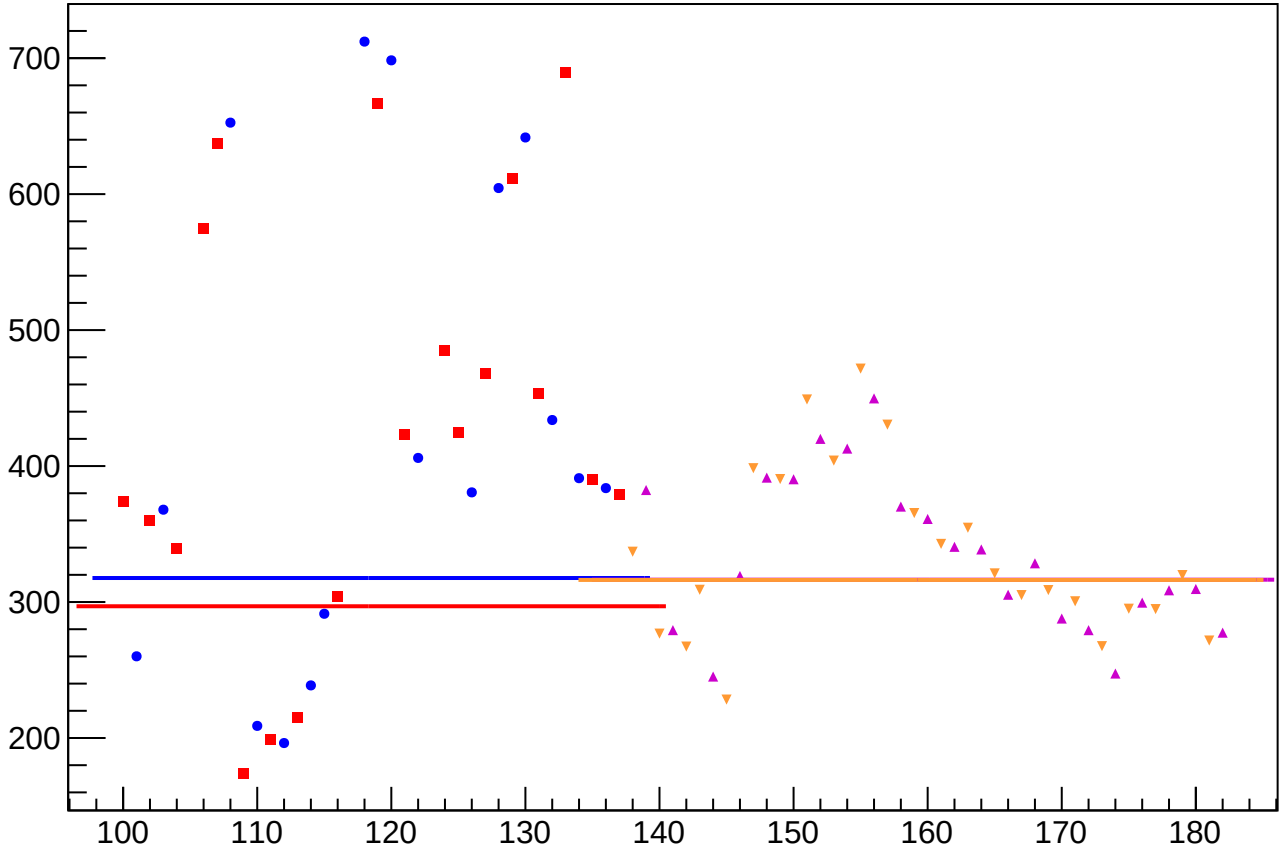
In: 72.976+/-0.010 χ^2/NDF:1147640.2/37

Out: 71.650+/-0.010 χ^2/NDF:1479559.1/41

All: 72.296+/-0.007 χ^2/NDF: 2635463.3/79


asym_sam7_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: -165.500+/-128.438 χ²/NDF: 22.6/15
Left Out: -292.434+/-75.273 χ²/NDF:56.0/22
Right Out: 211.347+/-120.122 χ²/NDF: 13.6/18
Left In: 65.514+/-75.750 χ²/NDF:27.9/21
Left: -114.589+/-53.394 χ²/NDF: 95.1/44
Right: 35.518+/-87.732 χ²/NDF: 40.8/34
In: 5.896+/-65.247 χ²/NDF:53.0/37
Out: -150.388+/-63.785 χ²/NDF:82.2/41
All: -74.017+/-45.611 χ²/NDF: 138.1/79

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 316.248+/-0.053 χ^2/NDF:1137383.8/22

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 316.429+/-0.054 χ^2/NDF:993753.4/21

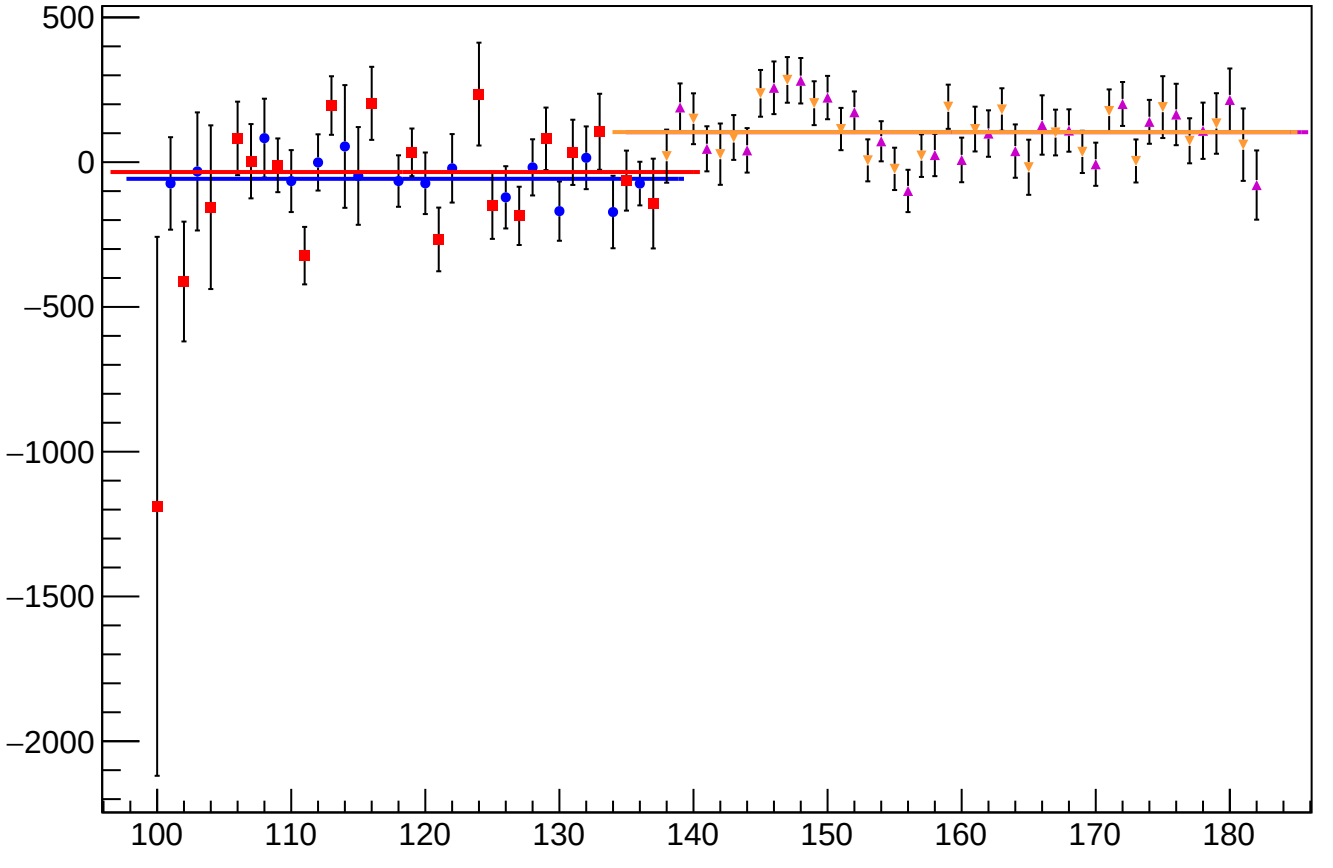
Left: 316.338+/-0.038 χ^2/NDF: 2131142.9/44

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 316.748+/-0.046 χ^2/NDF:3130083.4/37

Out: 310.789+/-0.045 χ^2/NDF:3715726.4/41

All: 313.701+/-0.032 χ^2/NDF: 6854338.9/79



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 103.916+/-16.916 χ^2/NDF:26.2/22

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 103.498+/-17.357 χ^2/NDF:32.7/21

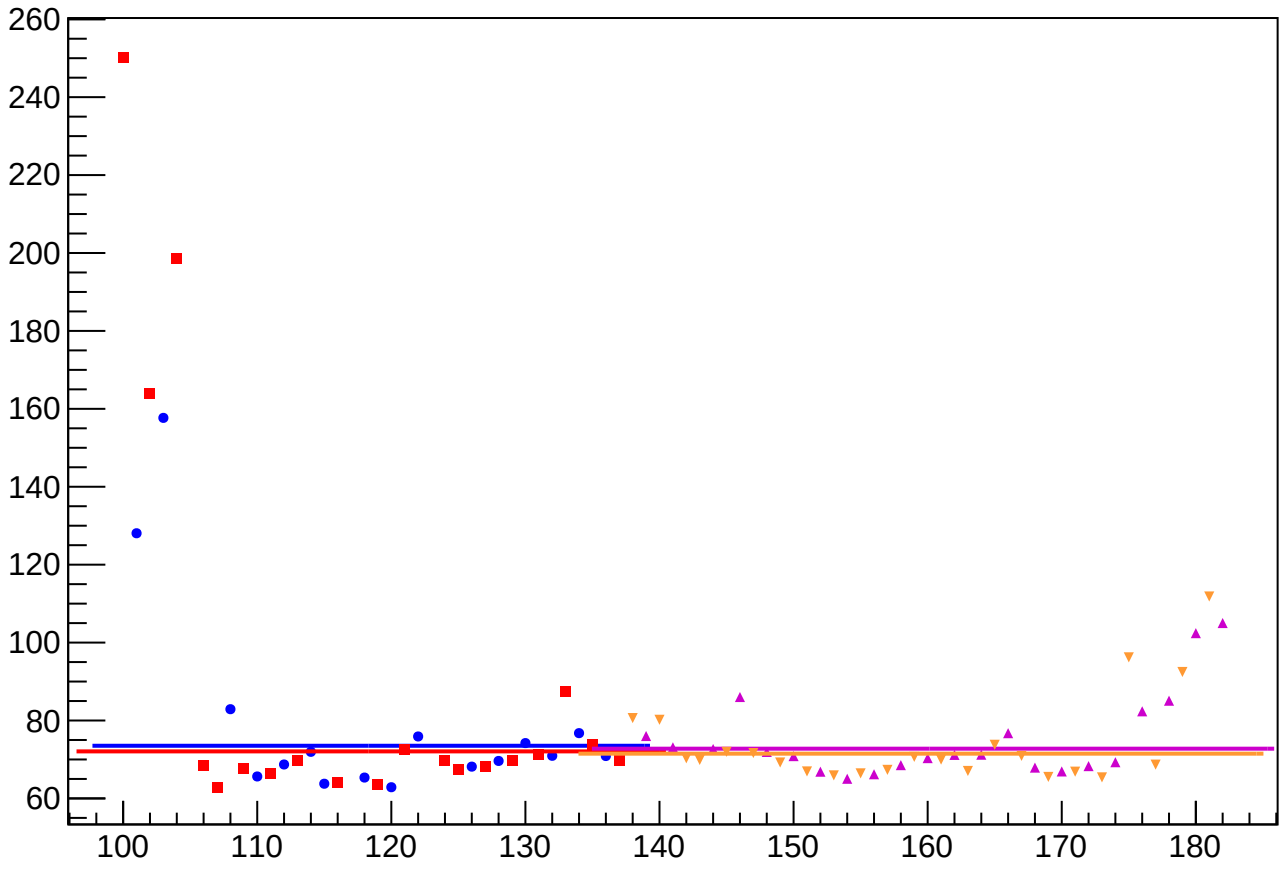
Left: 103.712+/-12.115 χ^2/NDF: 58.9/44

Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 58.995+/-14.765 χ^2/NDF:61.4/37

Out: 65.842+/-14.394 χ^2/NDF:81.7/41

All: 62.506+/-10.307 χ^2/NDF: 143.2/79



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 71.489+/-0.012 χ^2/NDF:520401.7/22

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 72.768+/-0.012 χ^2/NDF:489759.8/21

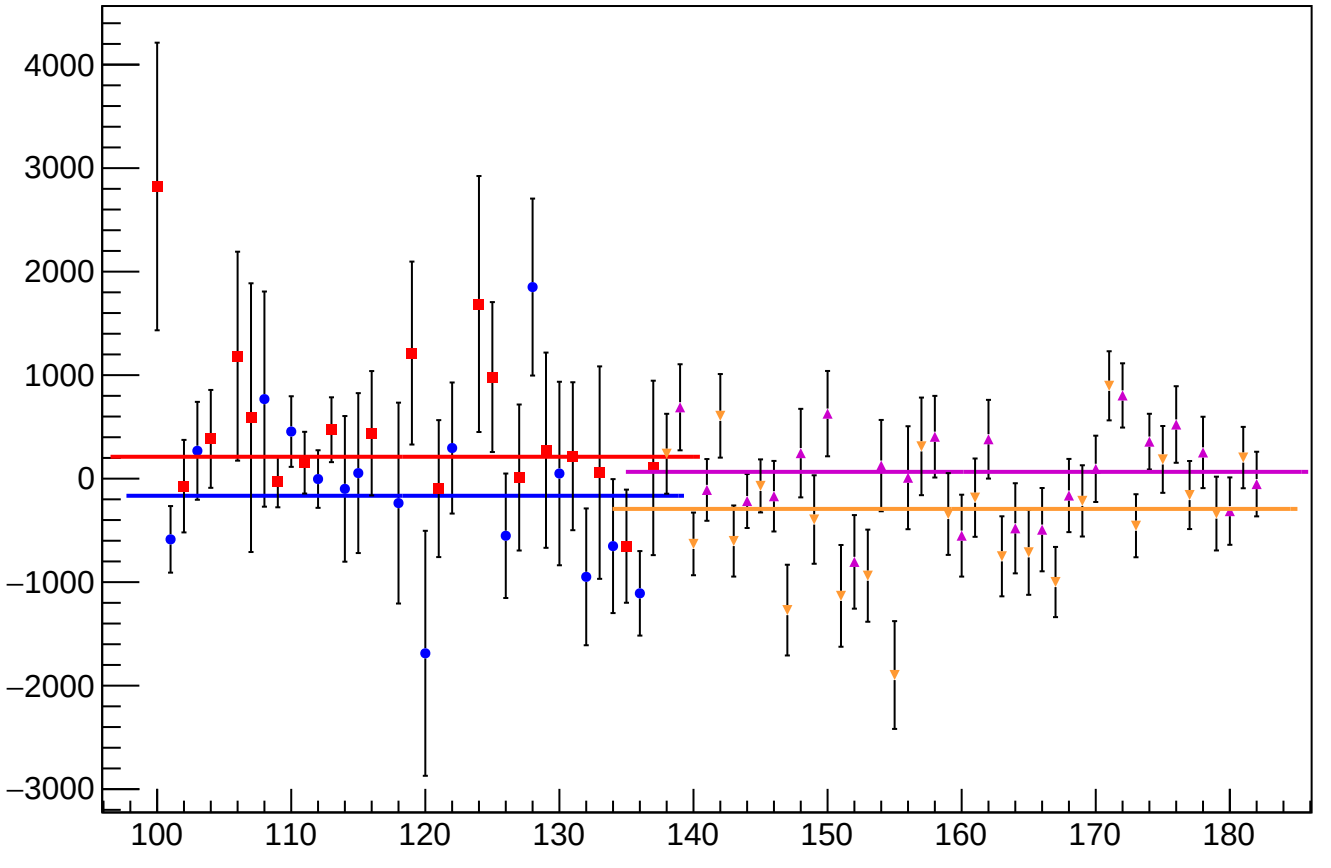
Left: 72.112+/-0.009 χ^2/NDF: 1015735.7/44

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 72.976+/-0.010 χ^2/NDF:1147642.1/37

Out: 71.650+/-0.010 χ^2/NDF:1479558.0/41

All: 72.296+/-0.007 χ^2/NDF: 2635464.2/79



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -292.434+/-75.273 χ^2/NDF:56.0/22

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 65.513+/-75.750 χ^2/NDF:27.9/21

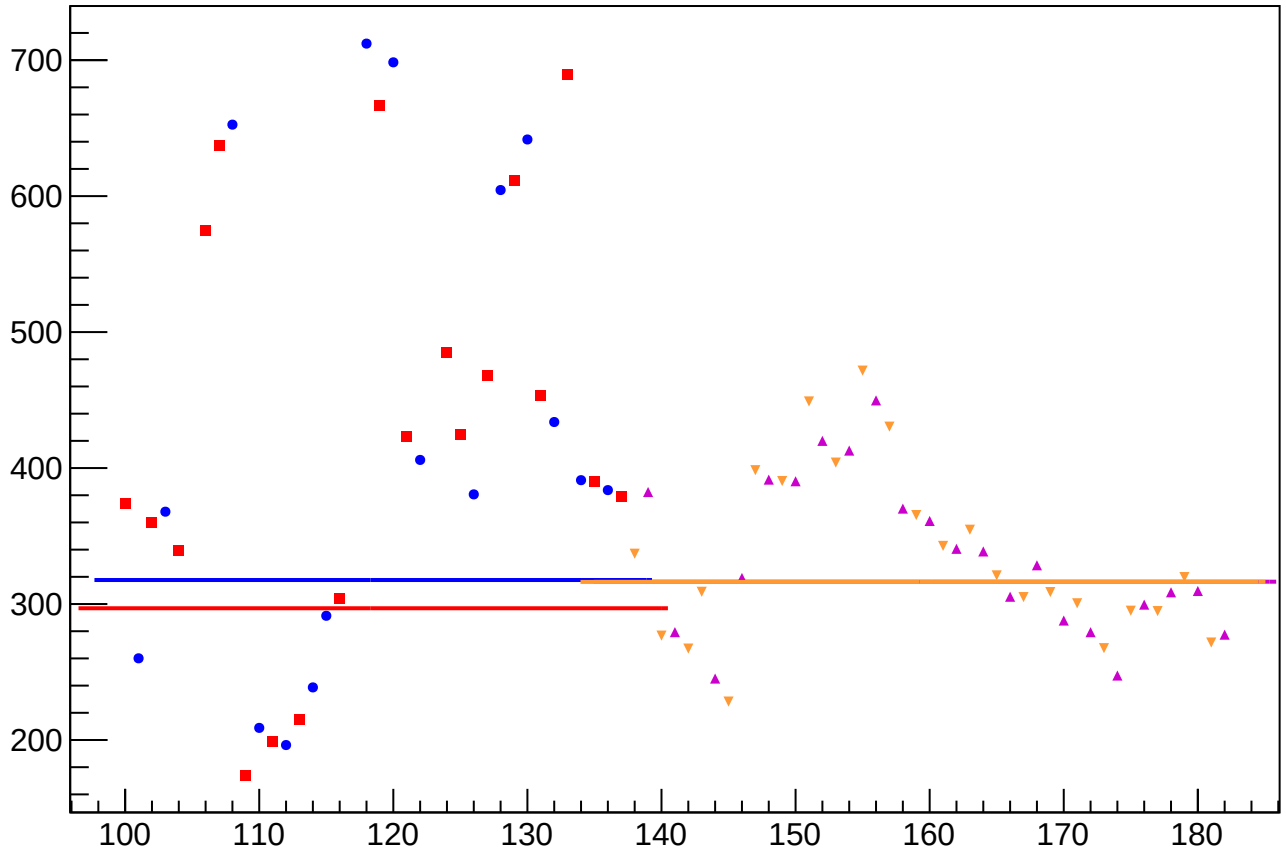
Left: -114.589+/-53.394 χ^2/NDF: 95.1/44

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: 5.895+/-65.247 χ^2/NDF:53.0/37

Out: -150.387+/-63.784 χ^2/NDF:82.2/41

All: -74.017+/-45.611 χ^2/NDF: 138.1/79



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 316.248+/-0.053 χ^2/NDF:1137389.4/22

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 316.429+/-0.054 χ^2/NDF:993752.2/21

Left: 316.338+/-0.038 χ^2/NDF: 2131147.4/44

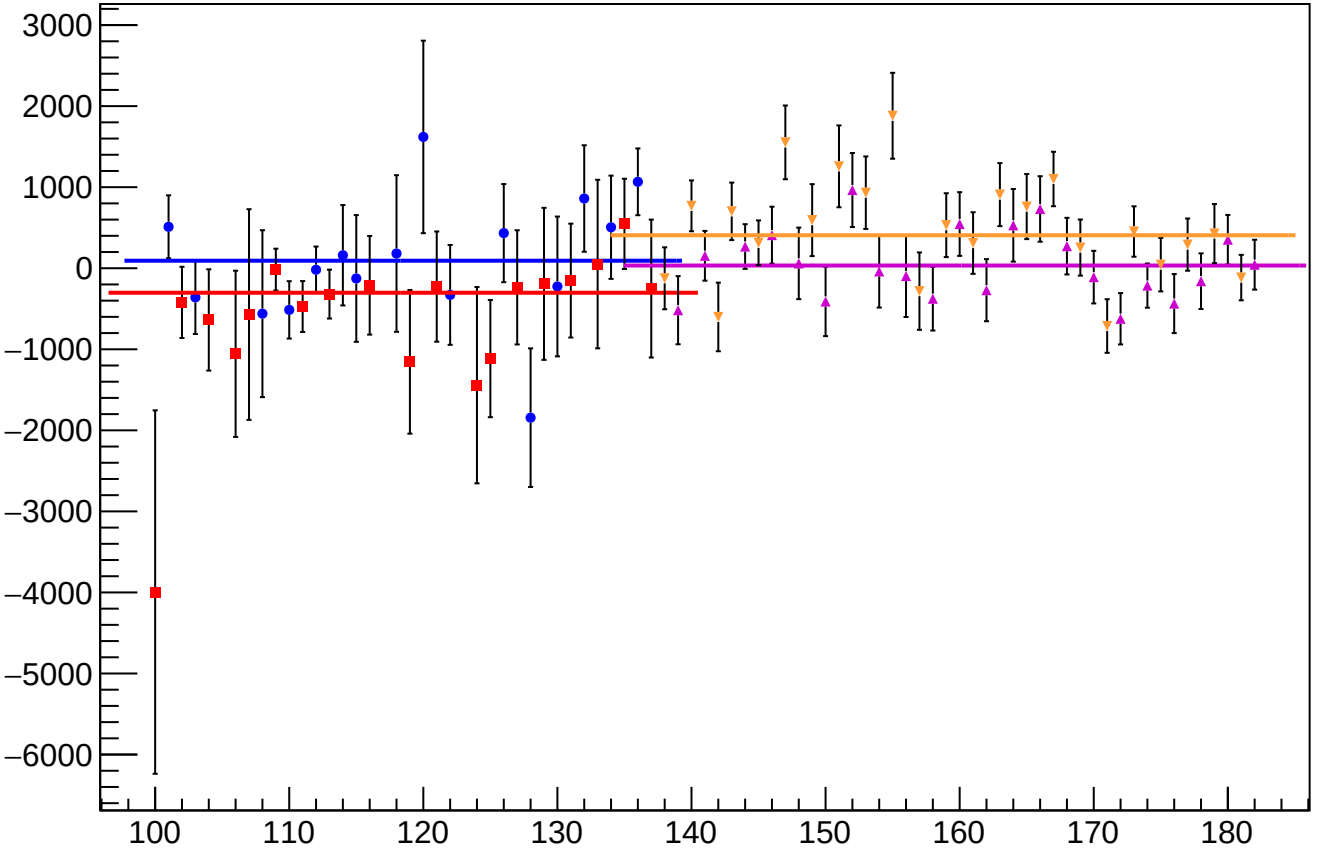
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 316.747+/-0.046 χ^2/NDF:3130113.2/37

Out: 310.789+/-0.045 χ^2/NDF:3715749.1/41

All: 313.700+/-0.032 χ^2/NDF: 6854391.3/79

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 407.173+/-76.142 χ^2/NDF:53.7/22

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 33.359+/-76.442 χ^2/NDF:25.5/21

Left: 221.001+/-53.946 χ^2/NDF: 91.2/44

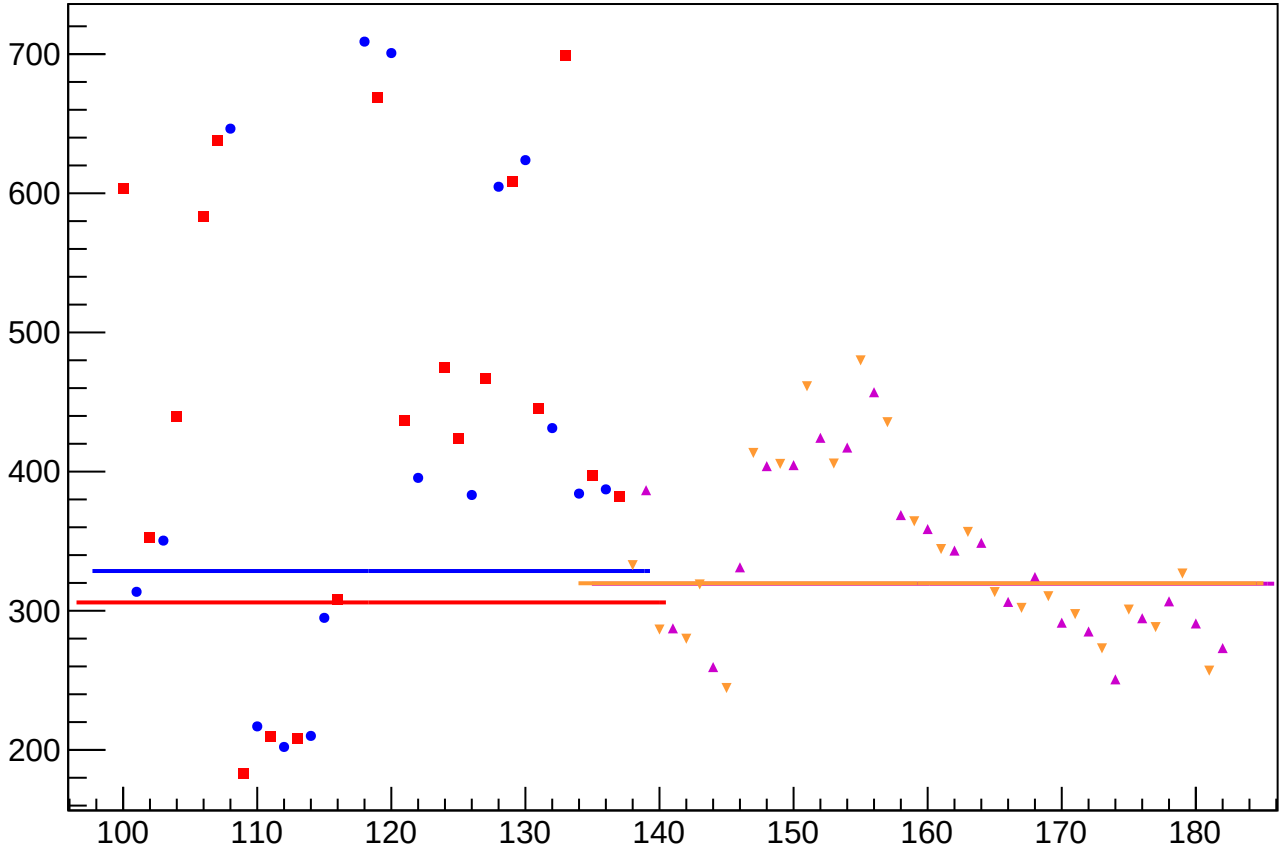
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 48.300+/-66.141 χ^2/NDF:46.5/37

Out: 212.727+/-64.874 χ^2/NDF:88.3/41

All: 132.104+/-46.314 χ^2/NDF: 137.9/79

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 319.762+/-0.054 χ^2/NDF:1122751.6/22

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 319.450+/-0.054 χ^2/NDF:982206.2/21

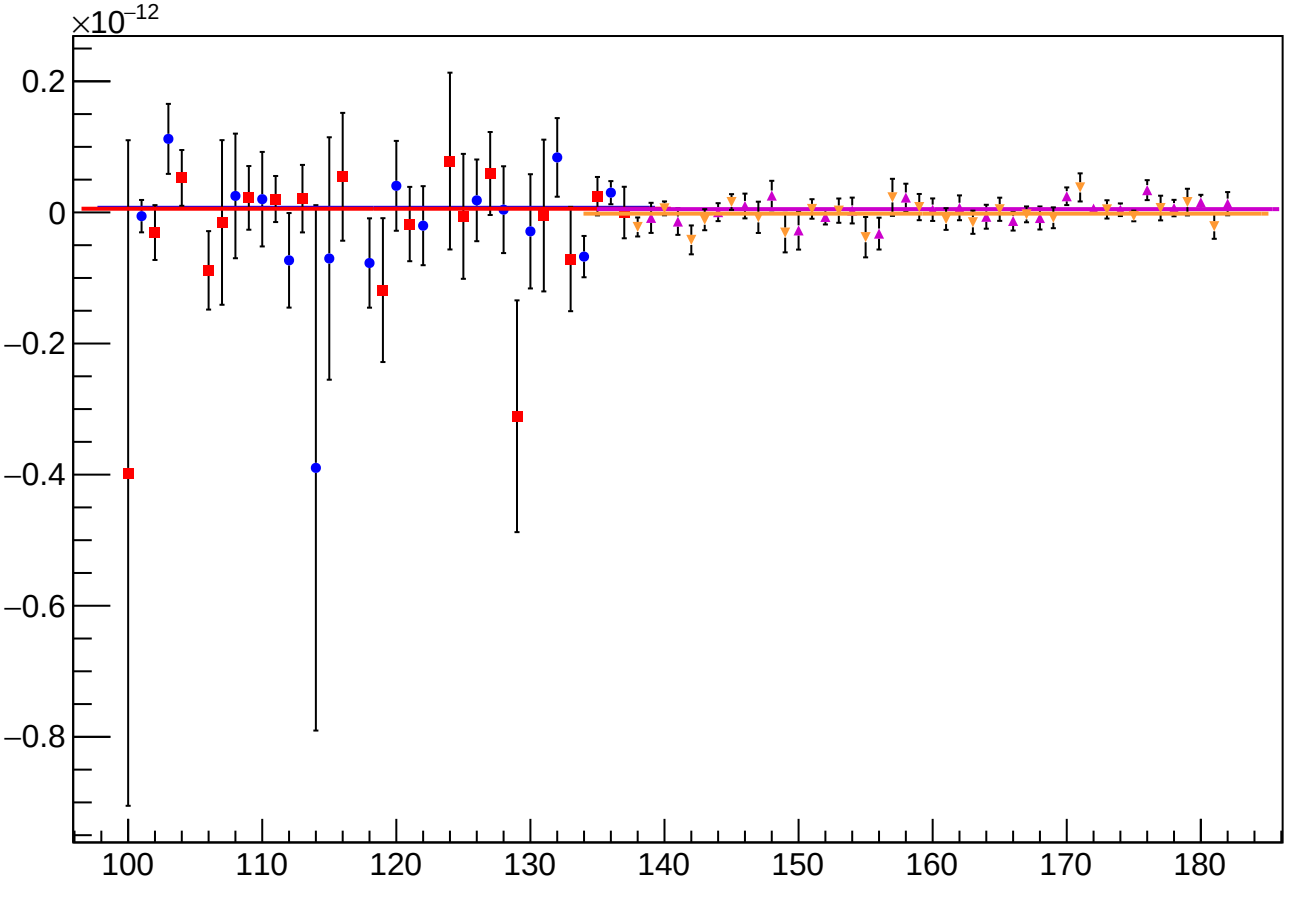
Left: 319.607+/-0.038 χ^2/NDF: 2104974.5/44

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 321.742+/-0.047 χ^2/NDF:2948229.0/37

Out: 315.987+/-0.046 χ^2/NDF:3668152.9/41

All: 318.809+/-0.033 χ^2/NDF: 6624098.7/79



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/21

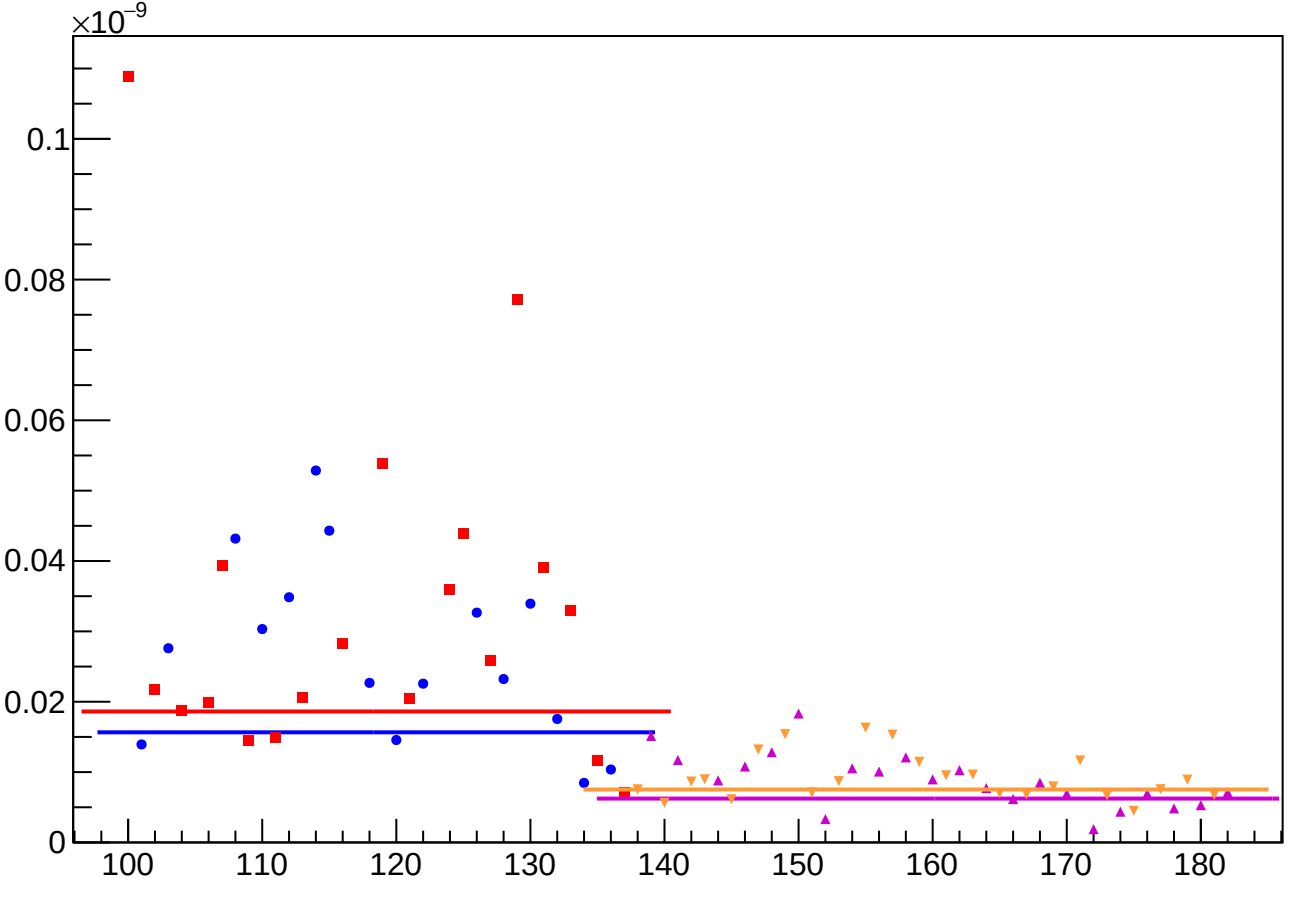
Left: 0.000+/-0.000 χ^2/NDF: 38.2/44

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:34.7/37

Out: -0.000+/-0.000 χ^2/NDF:32.1/41

All: 0.000+/-0.000 χ^2/NDF: 69.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1205724.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2744321.7/21

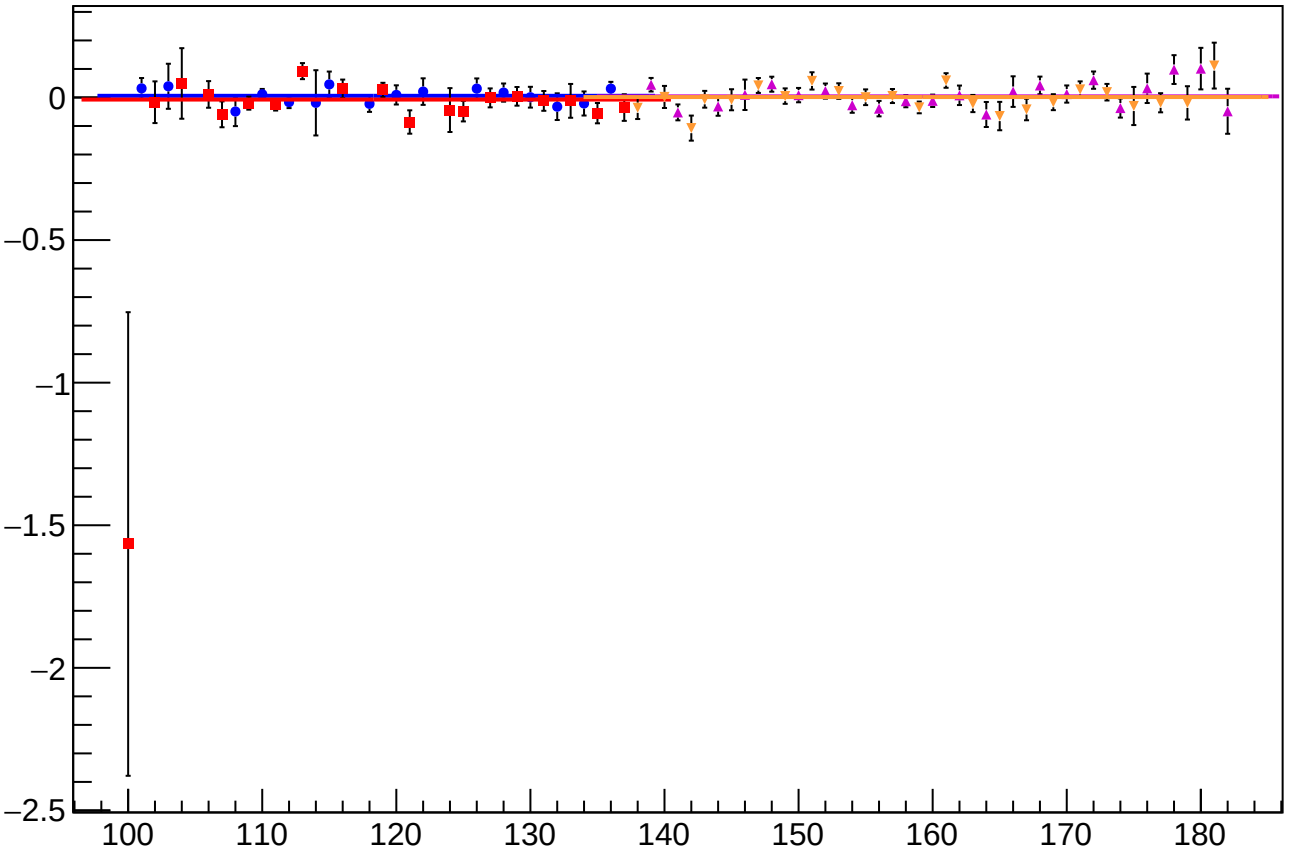
Left: 0.000+/-0.000 χ^2/NDF: 4116308.7/44

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:5281394.4/37

Out: 0.000+/-0.000 χ^2/NDF:3835004.4/41

All: 0.000+/-0.000 χ^2/NDF: 9294195.5/79



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:29.9/22

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.007 χ^2/NDF:31.1/21

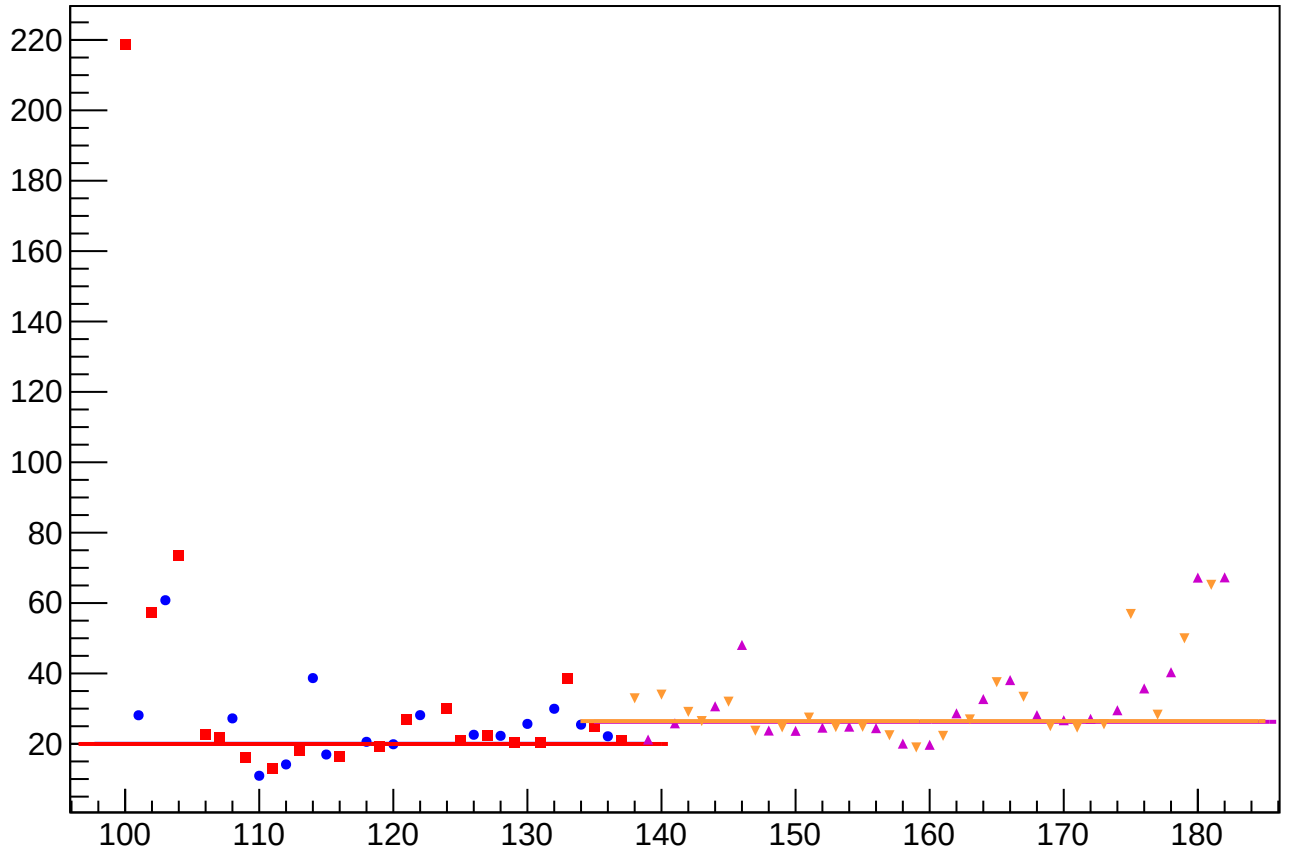
Left: 0.003+/-0.005 χ^2/NDF: 61.1/44

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.005+/-0.005 χ^2/NDF:39.0/37

Out: -0.002+/-0.005 χ^2/NDF:60.4/41

All: 0.001+/-0.004 χ^2/NDF: 100.3/79



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.458+/-0.005 χ^2/NDF:1990186.0/22

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.257+/-0.005 χ^2/NDF:2447130.0/21

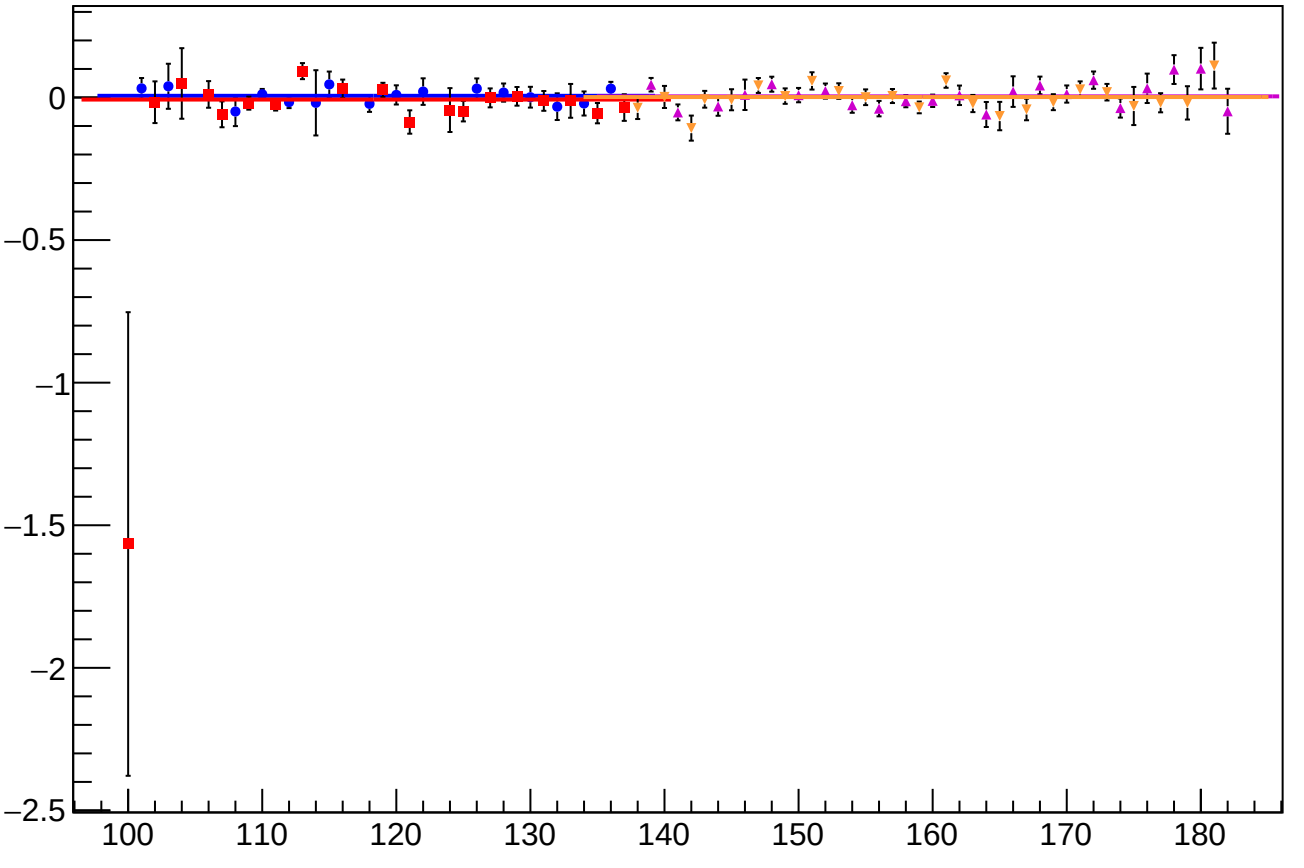
Left: 26.358+/-0.003 χ^2/NDF: 4438243.6/44

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.776+/-0.004 χ^2/NDF:4796769.2/37

Out: 23.887+/-0.004 χ^2/NDF:4485069.9/41

All: 23.832+/-0.003 χ^2/NDF: 9282310.9/79



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:29.9/22

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.007 χ^2/NDF:31.1/21

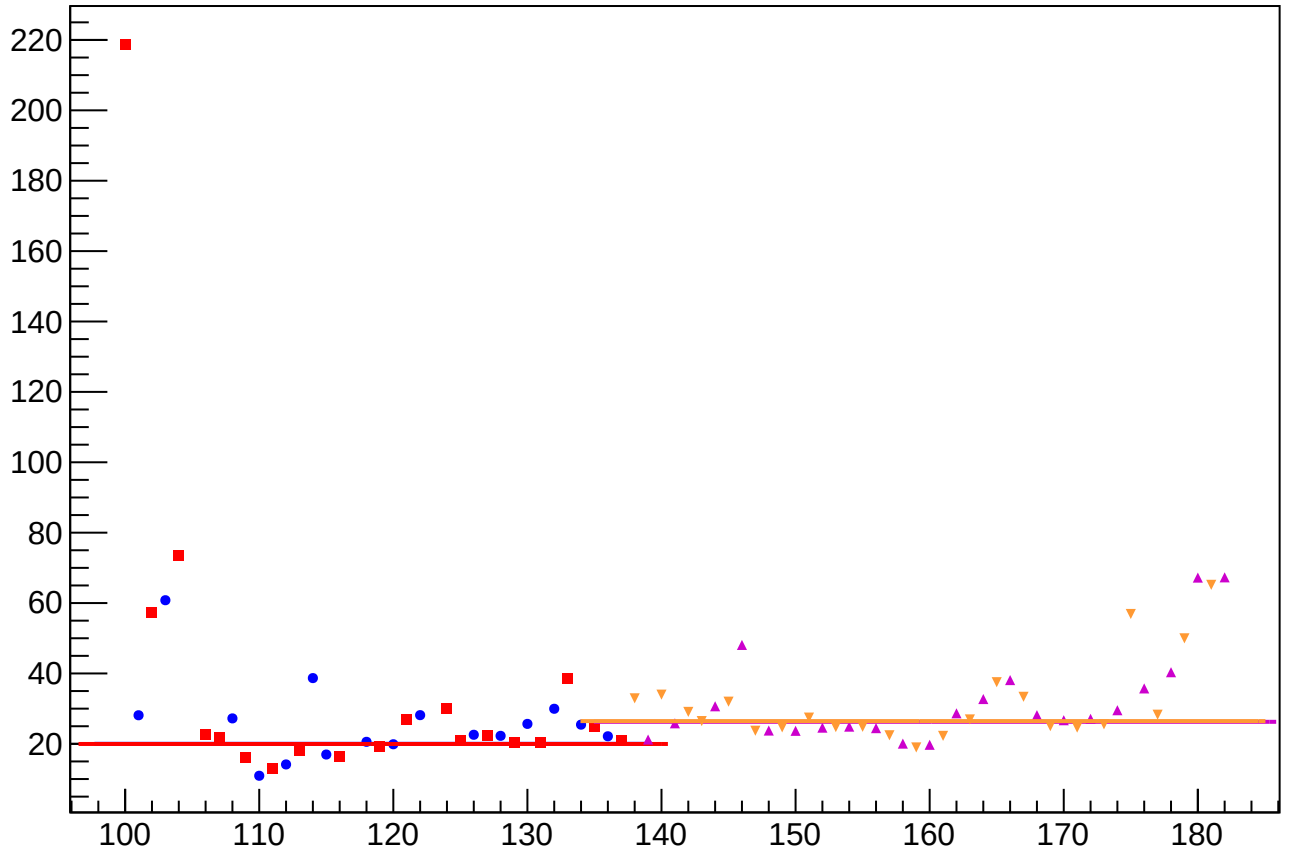
Left: 0.003+/-0.005 χ^2/NDF: 61.1/44

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.005+/-0.005 χ^2/NDF:39.0/37

Out: -0.002+/-0.005 χ^2/NDF:60.4/41

All: 0.001+/-0.004 χ^2/NDF: 100.3/79



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.458+/-0.005 χ^2/NDF:1990186.0/22

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.257+/-0.005 χ^2/NDF:2447130.0/21

Left: 26.358+/-0.003 χ^2/NDF: 4438243.6/44

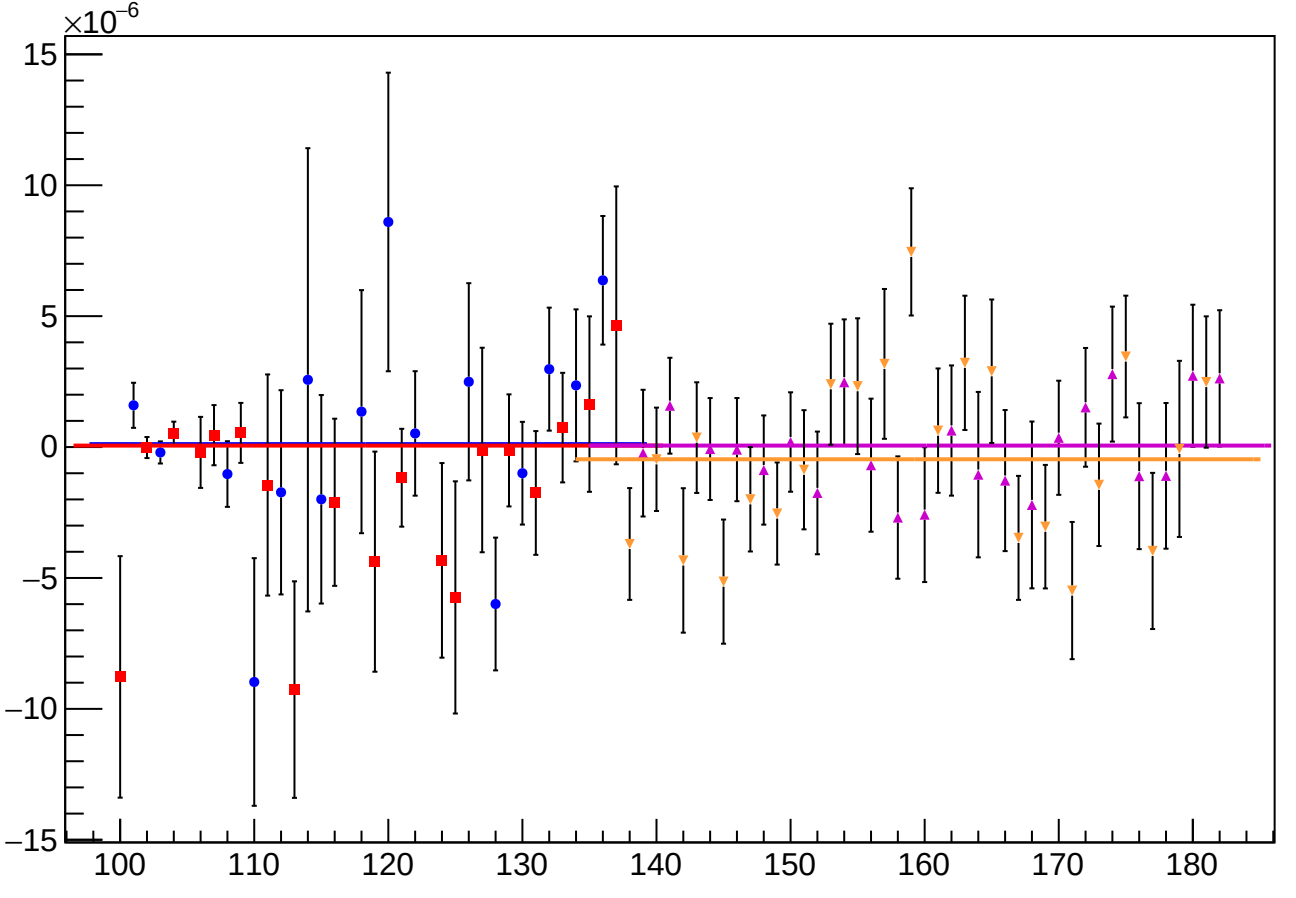
Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.776+/-0.004 χ^2/NDF:4796769.2/37

Out: 23.887+/-0.004 χ^2/NDF:4485069.9/41

All: 23.832+/-0.003 χ^2/NDF: 9282310.9/79

asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.8/21

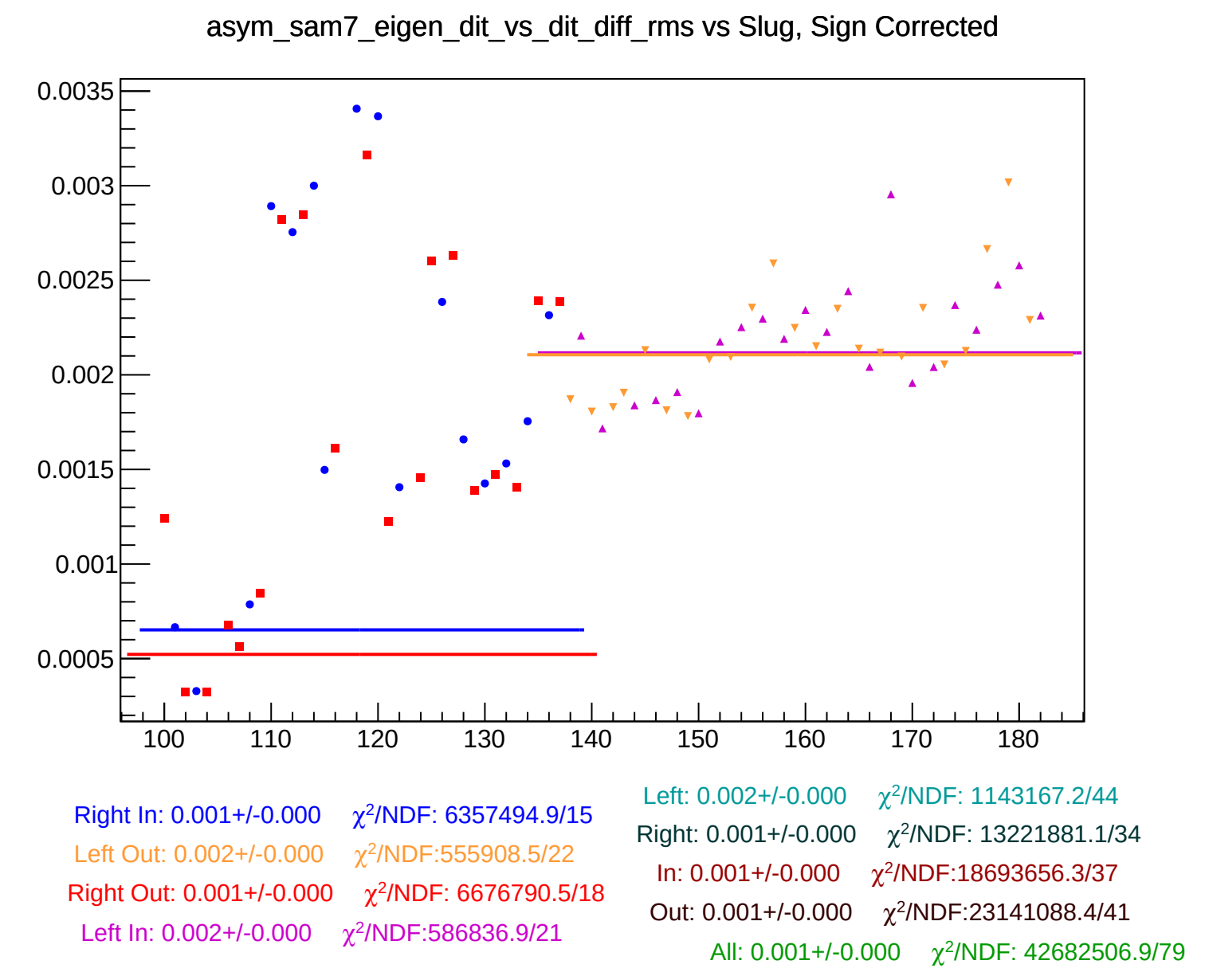
Left: -0.000+/-0.000 χ^2/NDF: 51.4/44

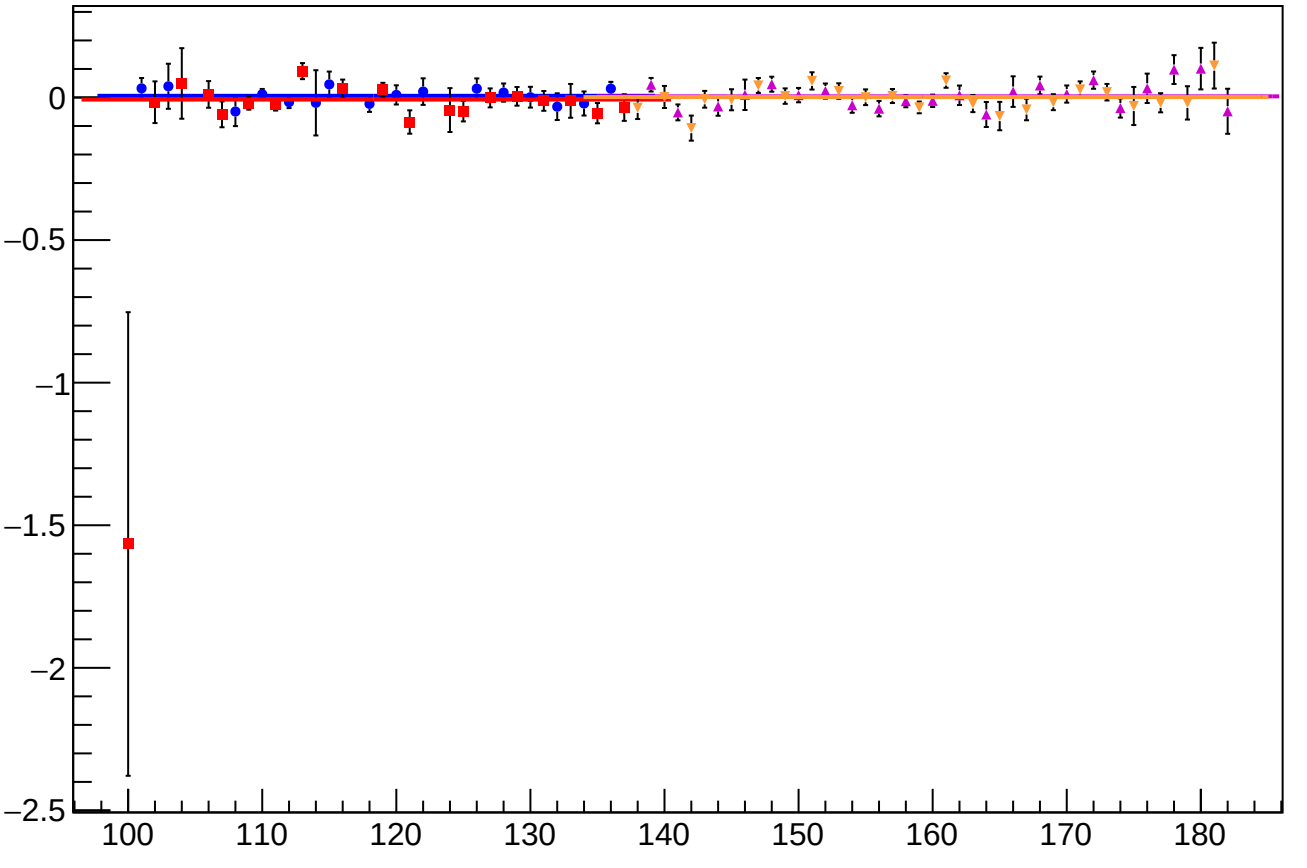
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:35.9/37

Out: -0.000+/-0.000 χ^2/NDF:59.0/41

All: 0.000+/-0.000 χ^2/NDF: 95.1/79


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:555908.5/22
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:586836.9/21
Left: 0.002+/-0.000 χ²/NDF: 1143167.2/44
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:18693656.3/37
Out: 0.001+/-0.000 χ²/NDF:23141088.4/41
All: 0.001+/-0.000 χ²/NDF: 42682506.9/79



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:29.9/22

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.007 χ^2/NDF:31.1/21

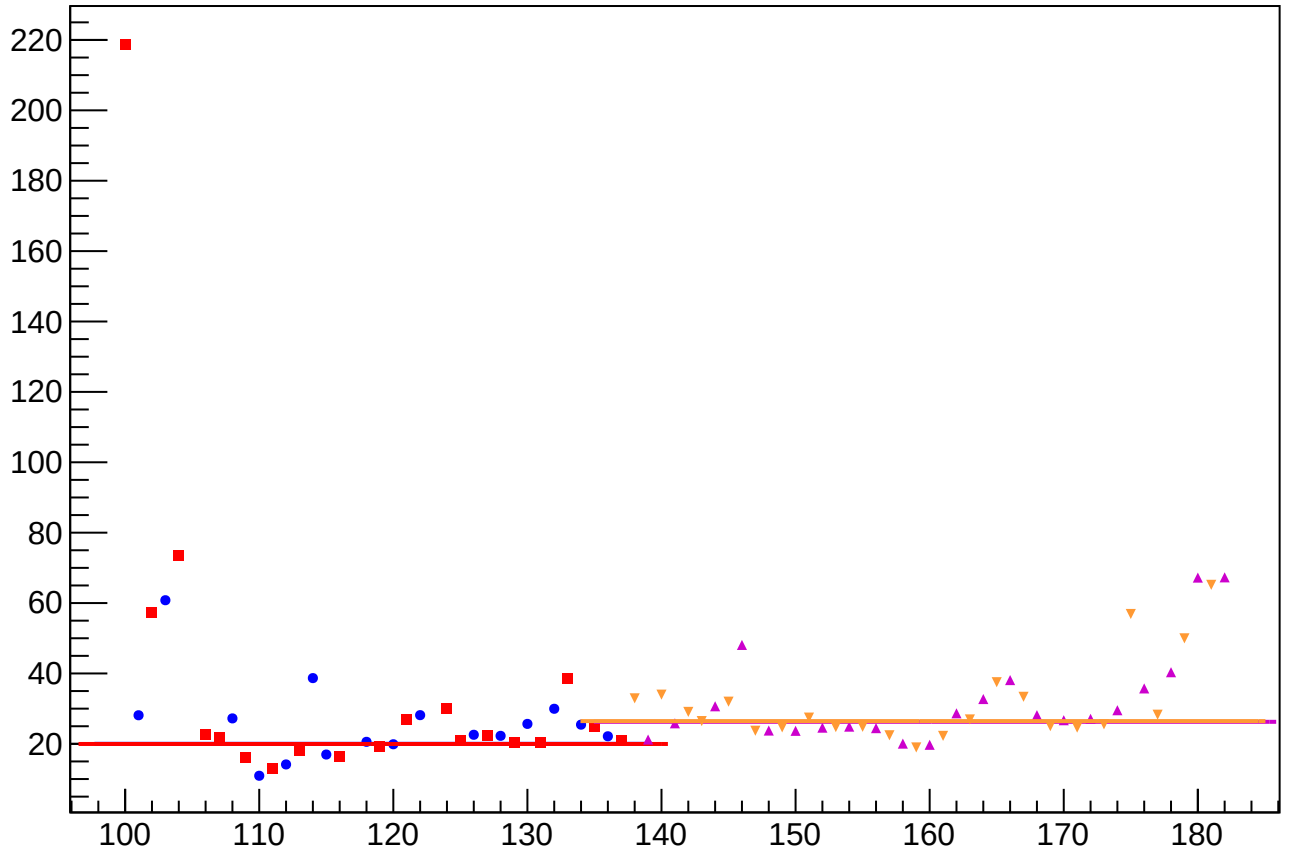
Left: 0.003+/-0.005 χ^2/NDF: 61.1/44

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.005+/-0.005 χ^2/NDF:39.0/37

Out: -0.002+/-0.005 χ^2/NDF:60.4/41

All: 0.001+/-0.004 χ^2/NDF: 100.3/79



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.458+/-0.005 χ^2/NDF:1990235.1/22

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 26.257+/-0.005 χ^2/NDF:2447206.3/21

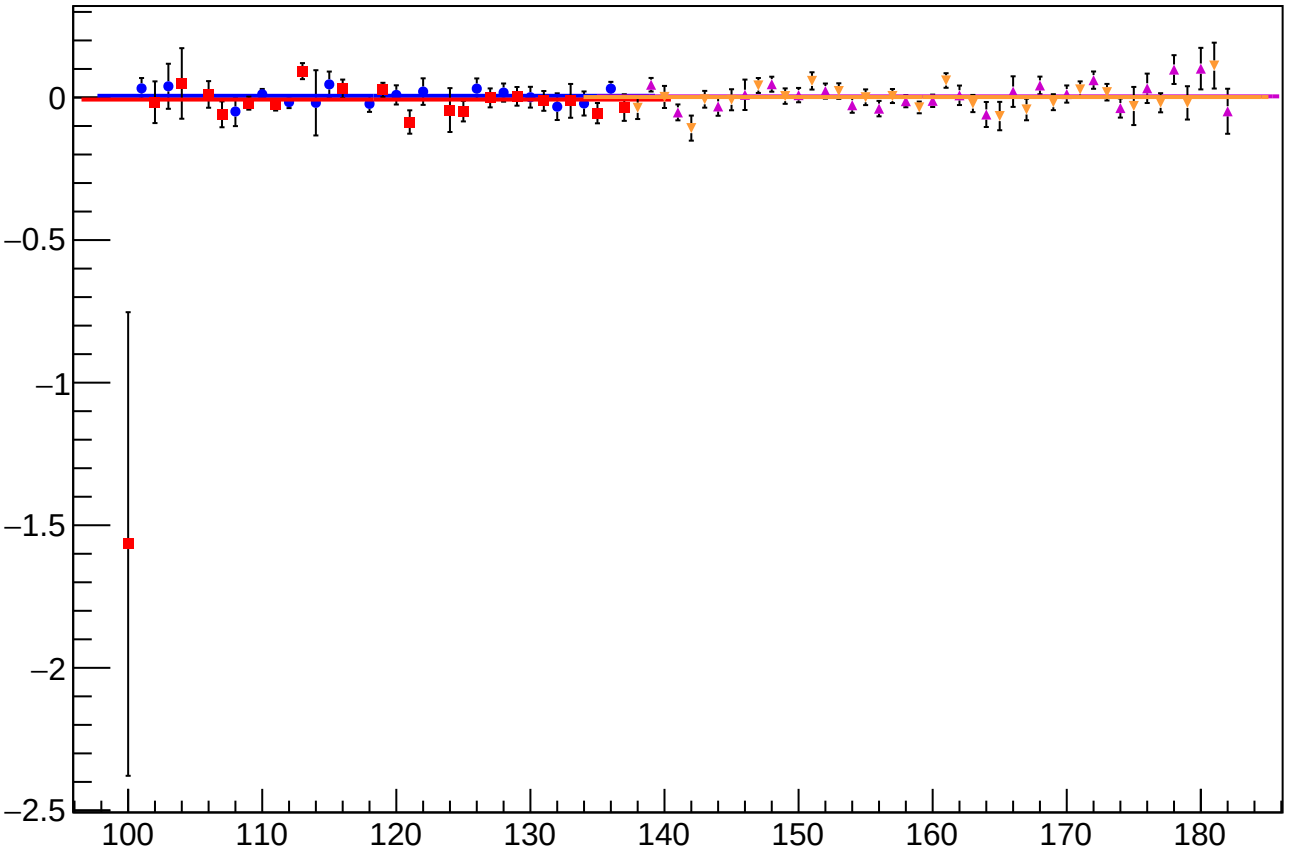
Left: 26.358+/-0.003 χ^2/NDF: 4438369.4/44

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.776+/-0.004 χ^2/NDF:4796546.8/37

Out: 23.887+/-0.004 χ^2/NDF:4485022.8/41

All: 23.833+/-0.003 χ^2/NDF: 9282040.1/79



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:29.9/22

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.007 χ^2/NDF:31.1/21

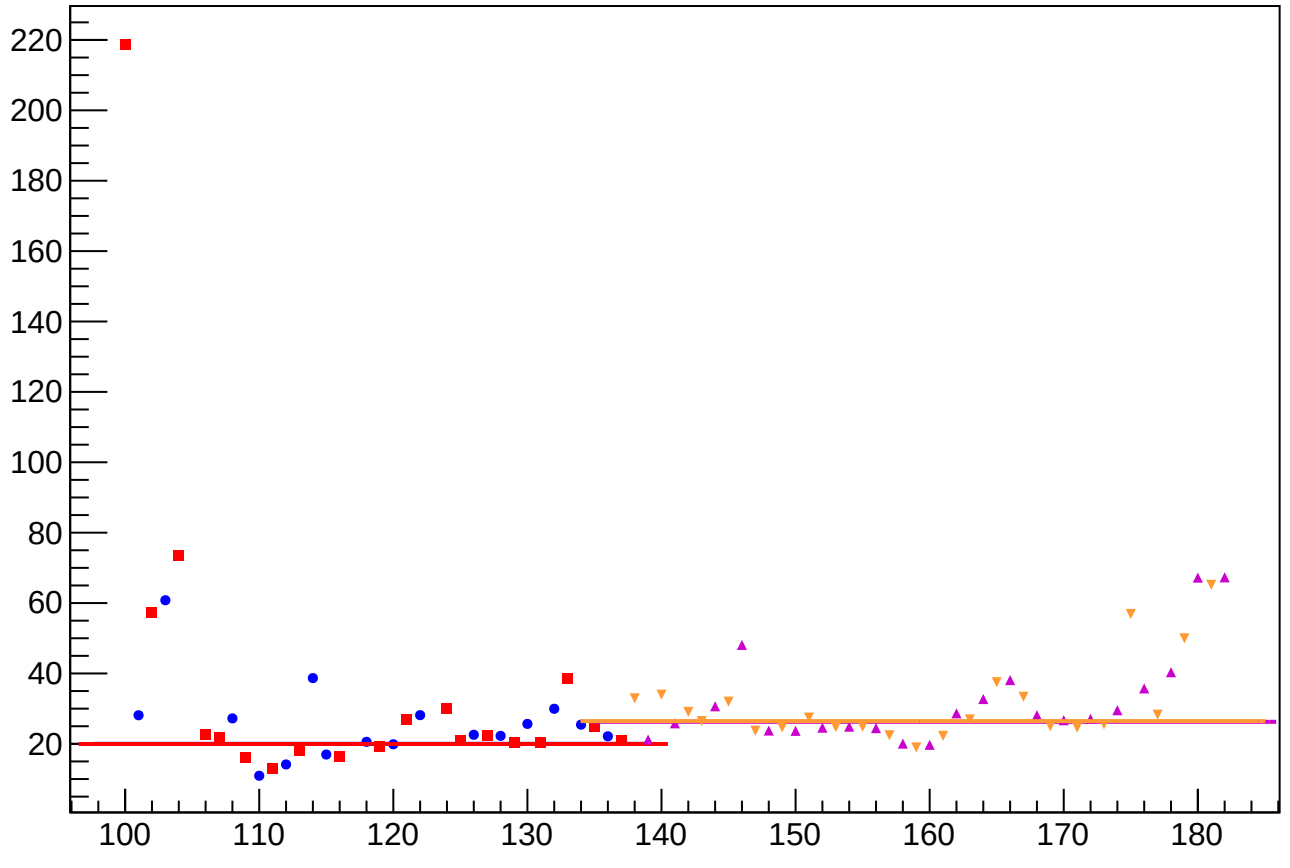
Left: 0.003+/-0.005 χ^2/NDF: 61.1/44

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.005+/-0.005 χ^2/NDF:39.0/37

Out: -0.002+/-0.005 χ^2/NDF:60.4/41

All: 0.001+/-0.004 χ^2/NDF: 100.3/79



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.458+/-0.005 χ^2/NDF:1990235.1/22

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 26.257+/-0.005 χ^2/NDF:2447206.3/21

Left: 26.358+/-0.003 χ^2/NDF: 4438369.4/44

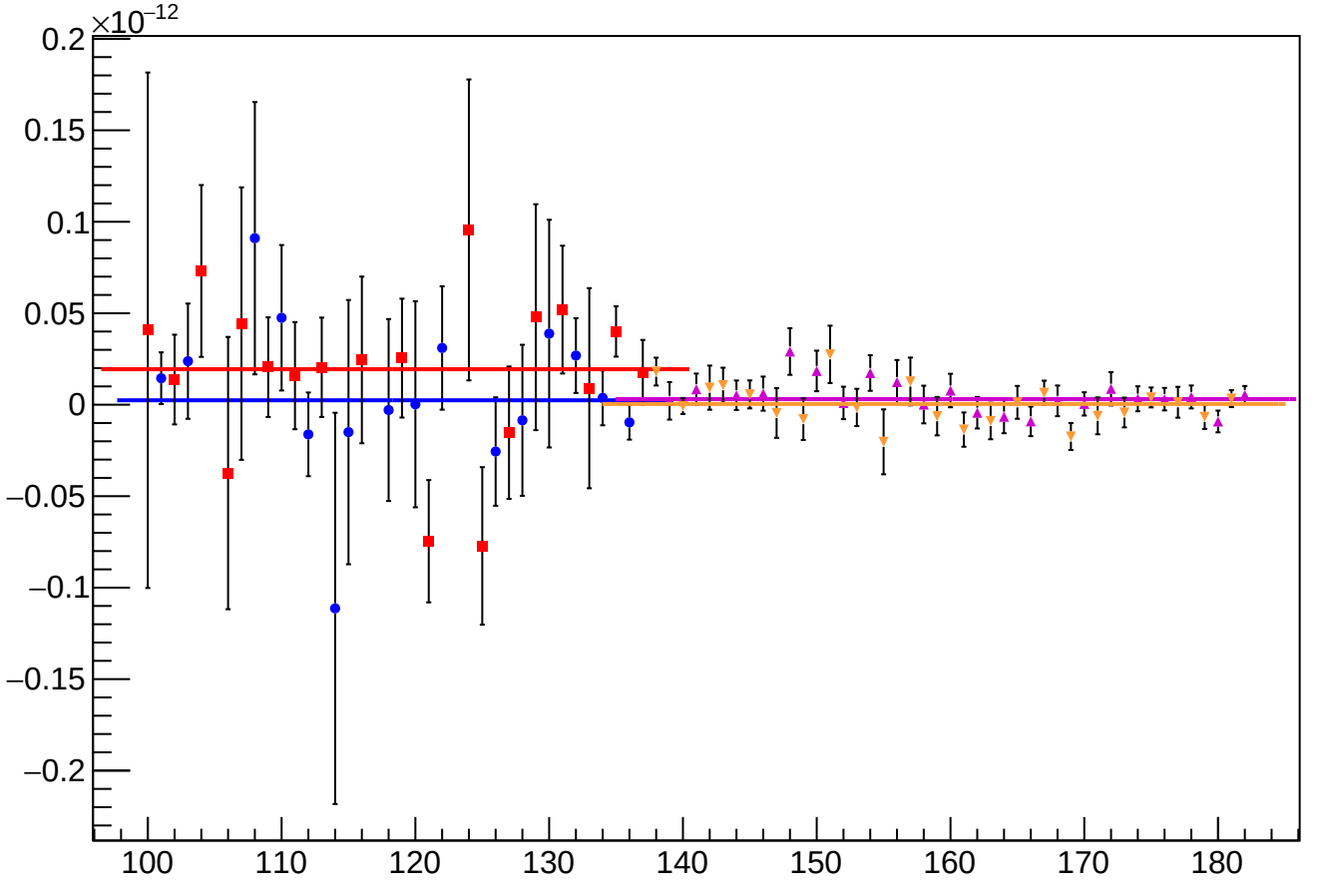
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.776+/-0.004 χ^2/NDF:4796546.8/37

Out: 23.887+/-0.004 χ^2/NDF:4485022.8/41

All: 23.833+/-0.003 χ^2/NDF: 9282040.1/79

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:26.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:19.0/21

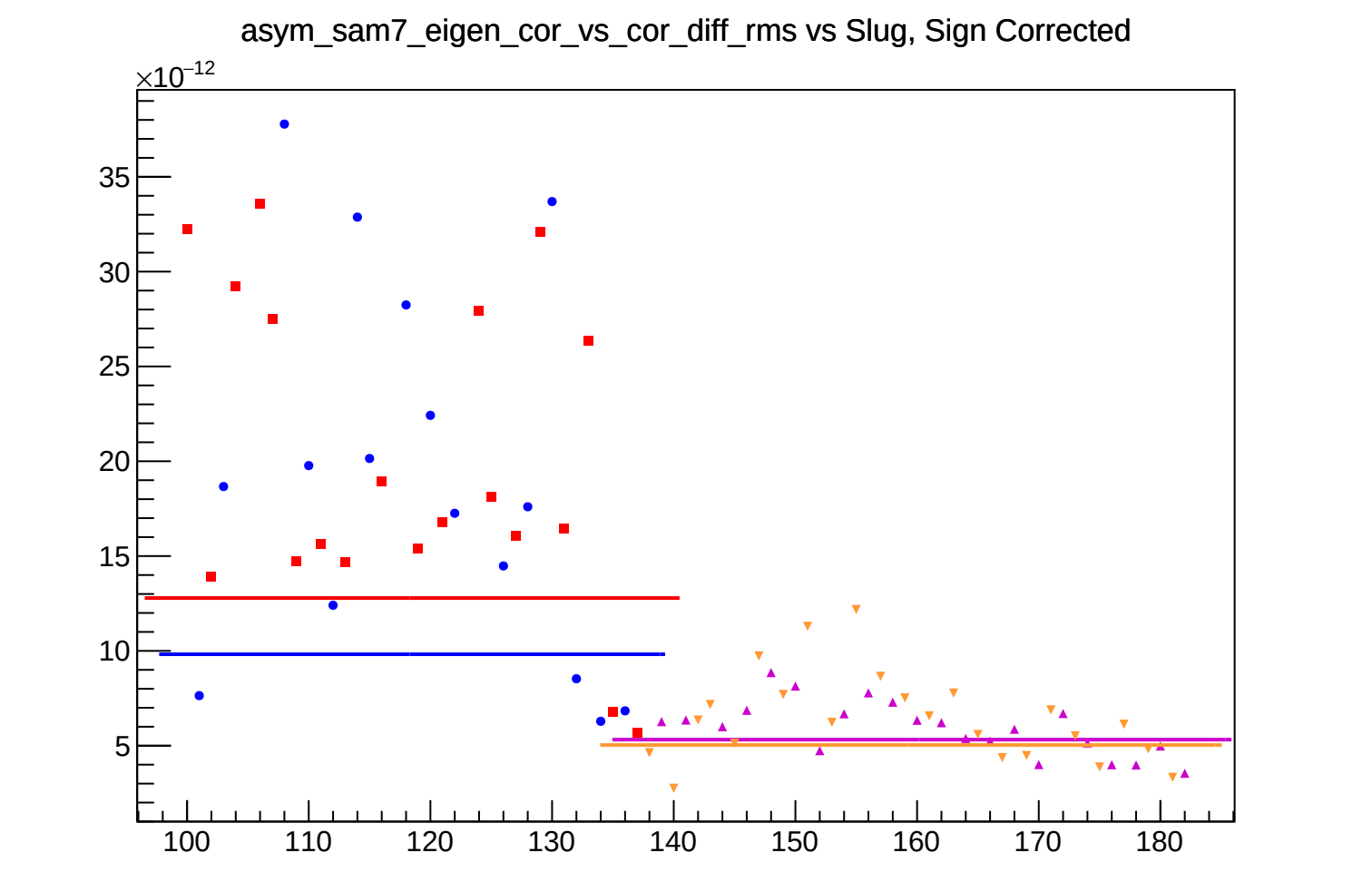
Left: 0.000+/-0.000 χ^2/NDF: 46.7/44

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

In: 0.000+/-0.000 χ^2/NDF:29.9/37

Out: 0.000+/-0.000 χ^2/NDF:53.5/41

All: 0.000+/-0.000 χ^2/NDF: 83.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2682750.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1239753.8/21

Left: 0.000+/-0.000 χ^2/NDF: 3951665.4/44

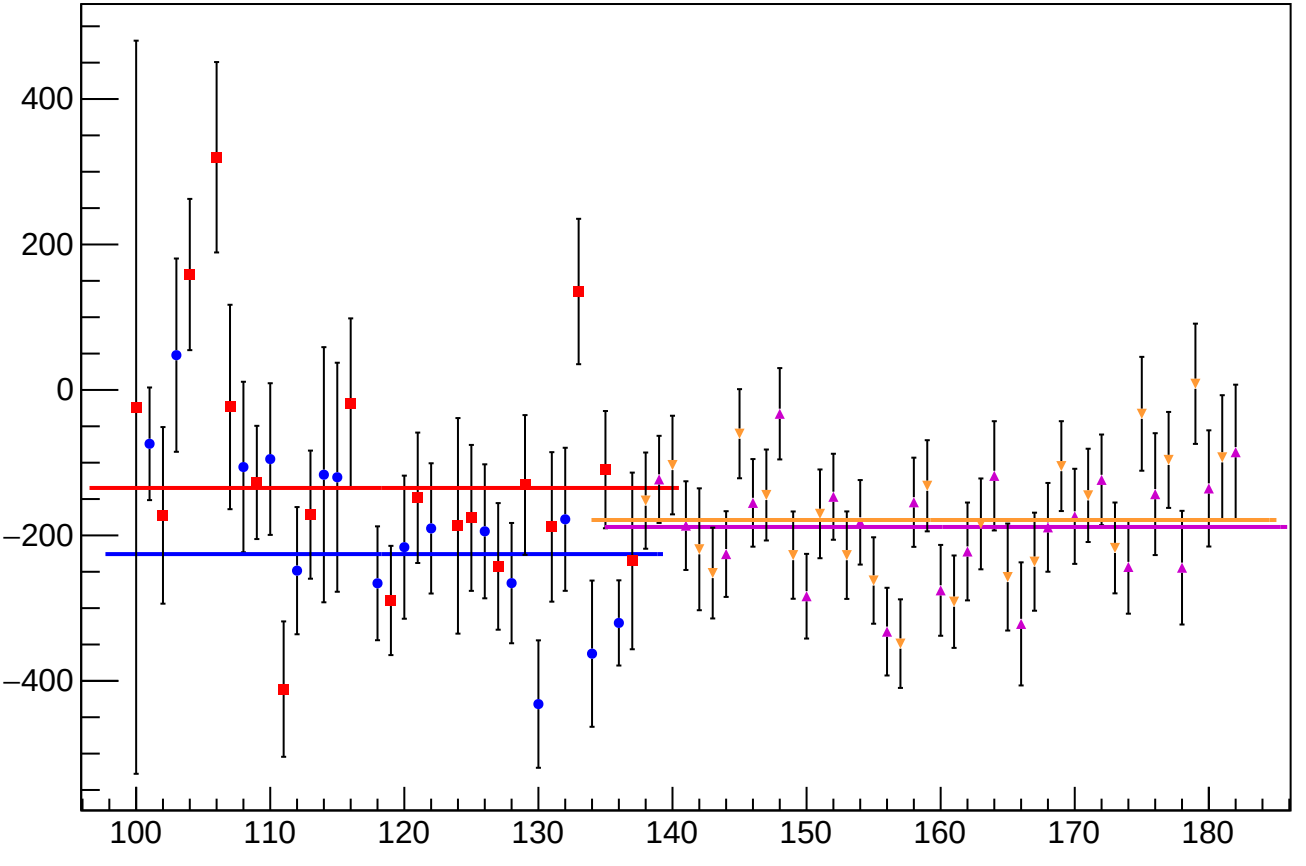
Right: 0.000+/-0.000 χ^2/NDF: 3988919.3/34

In: 0.000+/-0.000 χ^2/NDF:4359531.4/37

Out: 0.000+/-0.000 χ^2/NDF:6768954.1/41

All: 0.000+/-0.000 χ^2/NDF: 11151573.6/79

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -178.805+/-13.679 χ^2/NDF:37.0/22

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -188.398+/-13.923 χ^2/NDF:27.1/21

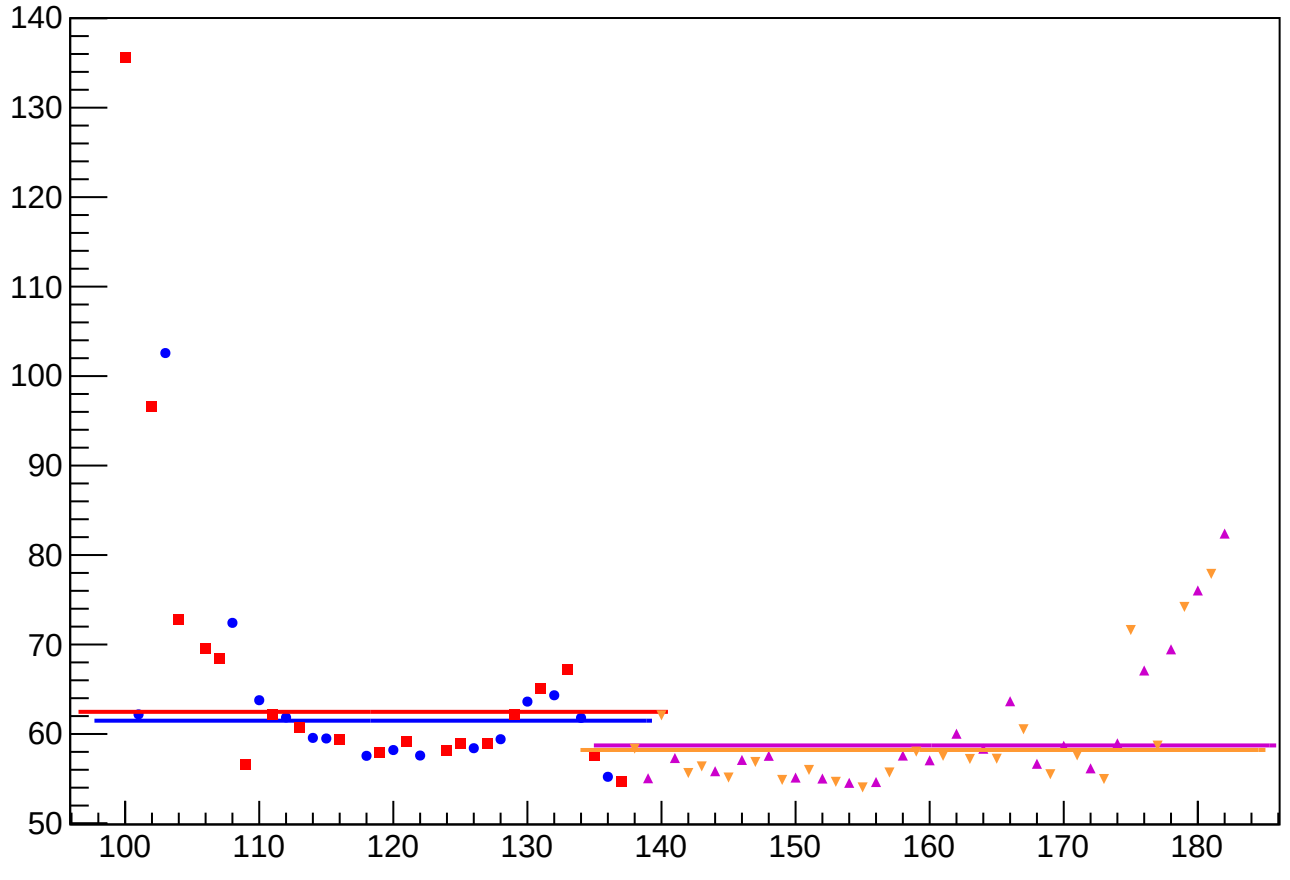
Left: -183.517+/-9.758 χ^2/NDF: 64.3/44

Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -198.325+/-11.927 χ^2/NDF:51.6/37

Out: -167.437+/-11.782 χ^2/NDF:84.9/41

All: -182.692+/-8.382 χ^2/NDF: 139.9/79



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 58.212+/-0.010 χ^2/NDF:297948.1/22

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 58.720+/-0.010 χ^2/NDF:347747.1/21

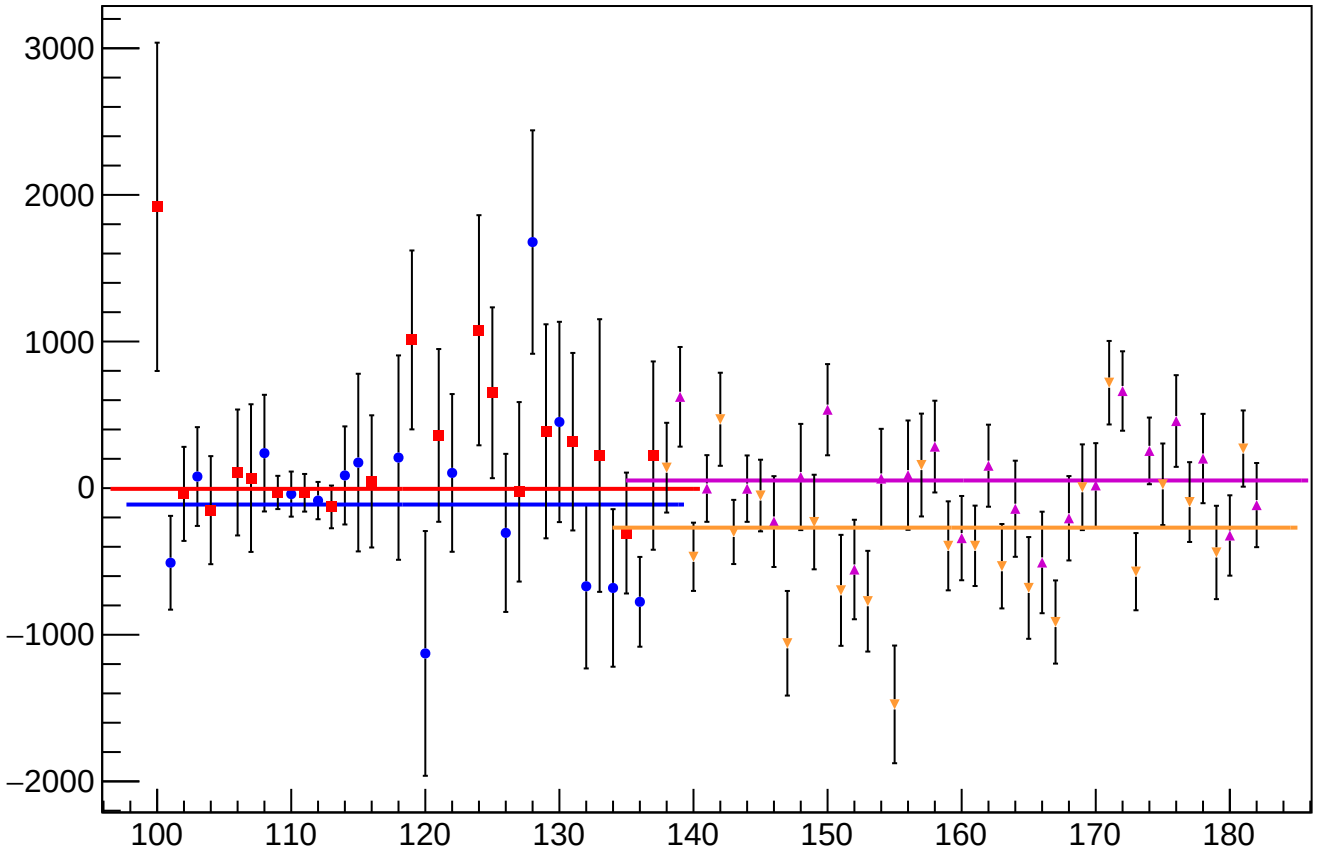
Left: 58.462+/-0.007 χ^2/NDF: 647051.0/44

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 59.456+/-0.008 χ^2/NDF:619419.6/37

Out: 59.313+/-0.008 χ^2/NDF:629246.9/41

All: 59.384+/-0.006 χ^2/NDF: 1248813.7/79



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -269.463+/-60.810 χ^2/NDF:55.7/22

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 52.263+/-62.406 χ^2/NDF:25.7/21

Left: -112.768+/-43.552 χ^2/NDF: 95.0/44

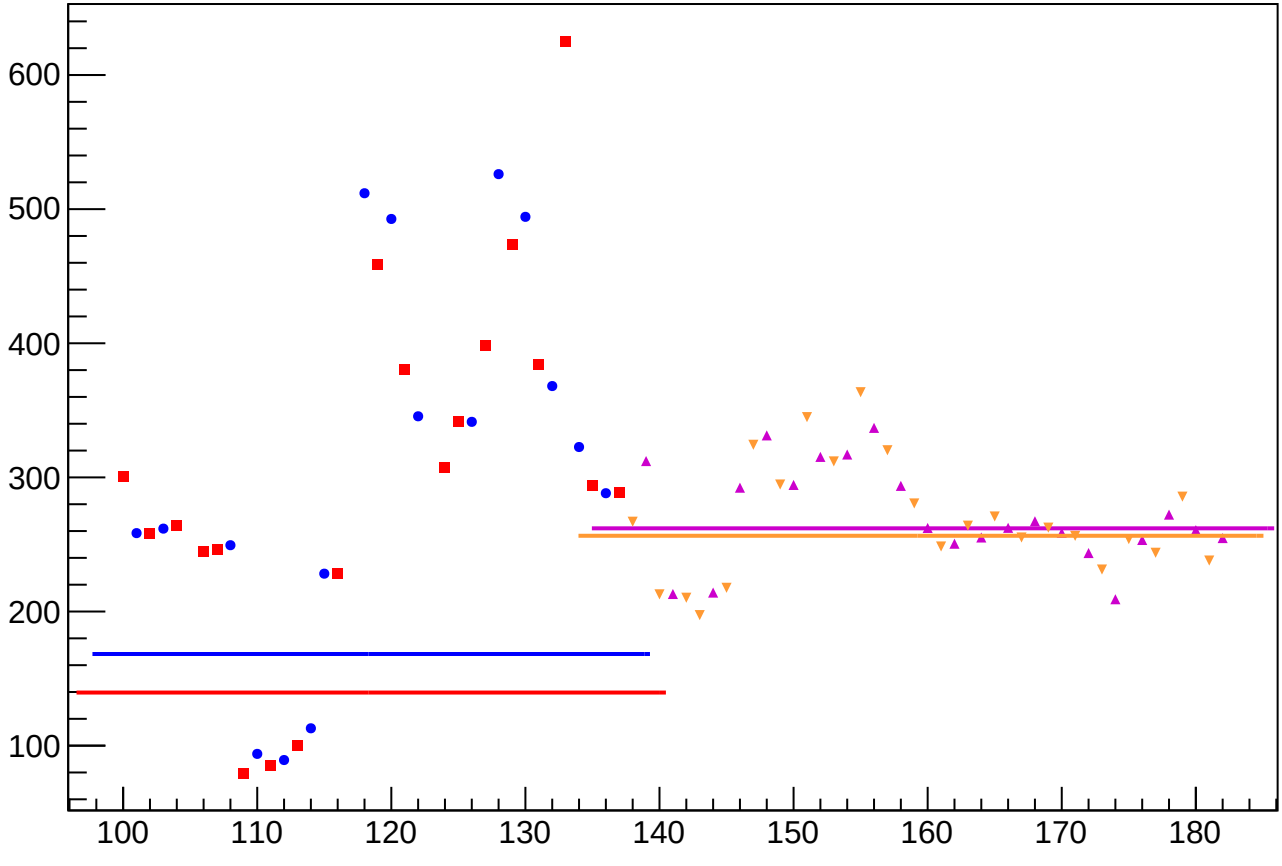
Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -13.623+/-48.284 χ^2/NDF:46.9/37

Out: -143.797+/-44.062 χ^2/NDF:76.3/41

All: -84.650+/-32.547 χ^2/NDF: 127.2/79

asym_sam8_reg_correction_rms vs Slug, Sign Corrected



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 256.479+/-0.043 χ^2/NDF:851438.1/22

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 262.026+/-0.044 χ^2/NDF:670565.5/21

Left: 259.181+/-0.031 χ^2/NDF: 1530108.9/44

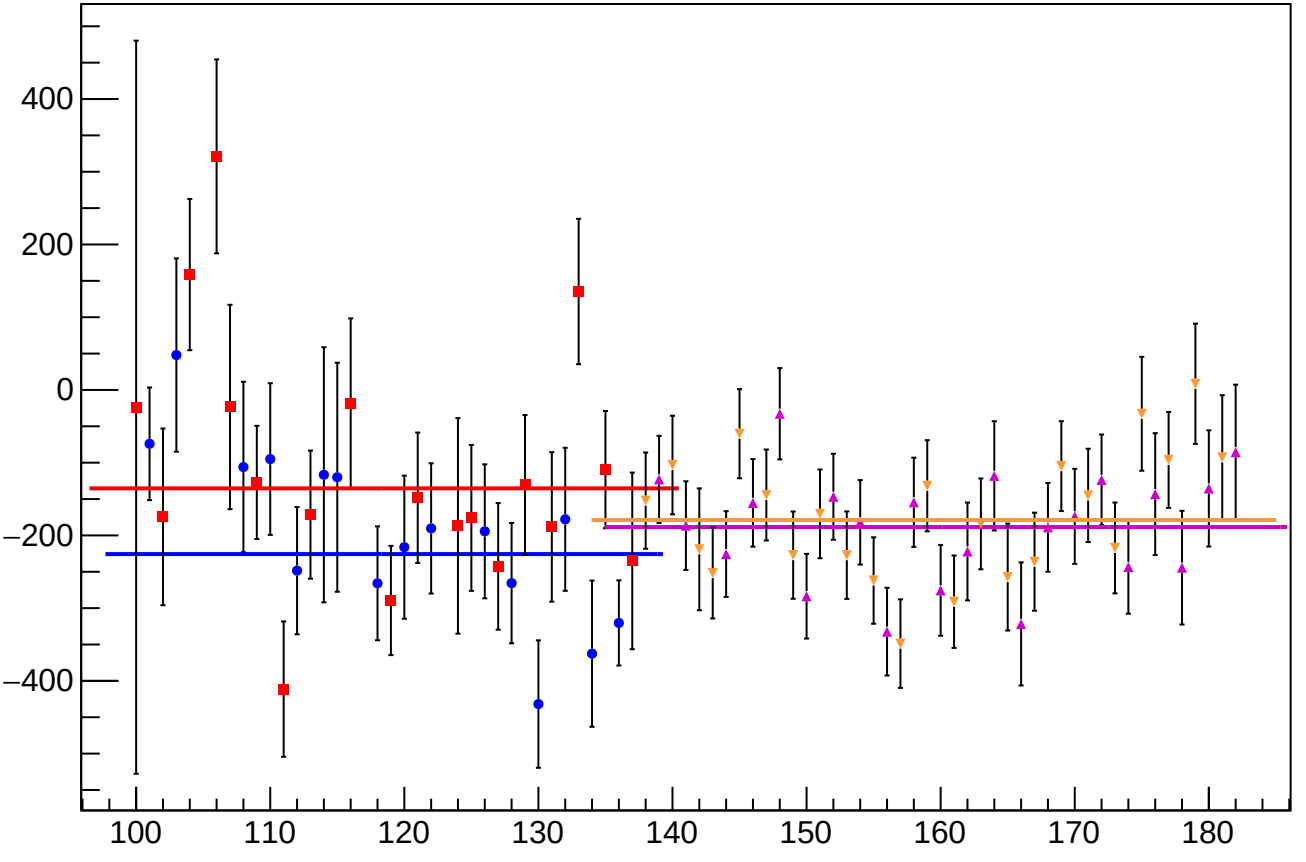
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 224.418+/-0.034 χ^2/NDF:7024179.1/37

Out: 200.961+/-0.031 χ^2/NDF:9515383.7/41

All: 211.619+/-0.023 χ^2/NDF: 16797123.3/79

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -178.802+/-13.679 χ^2/NDF:37.0/22

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -188.398+/-13.923 χ^2/NDF:27.1/21

Left: -183.515+/-9.758 χ^2/NDF: 64.3/44

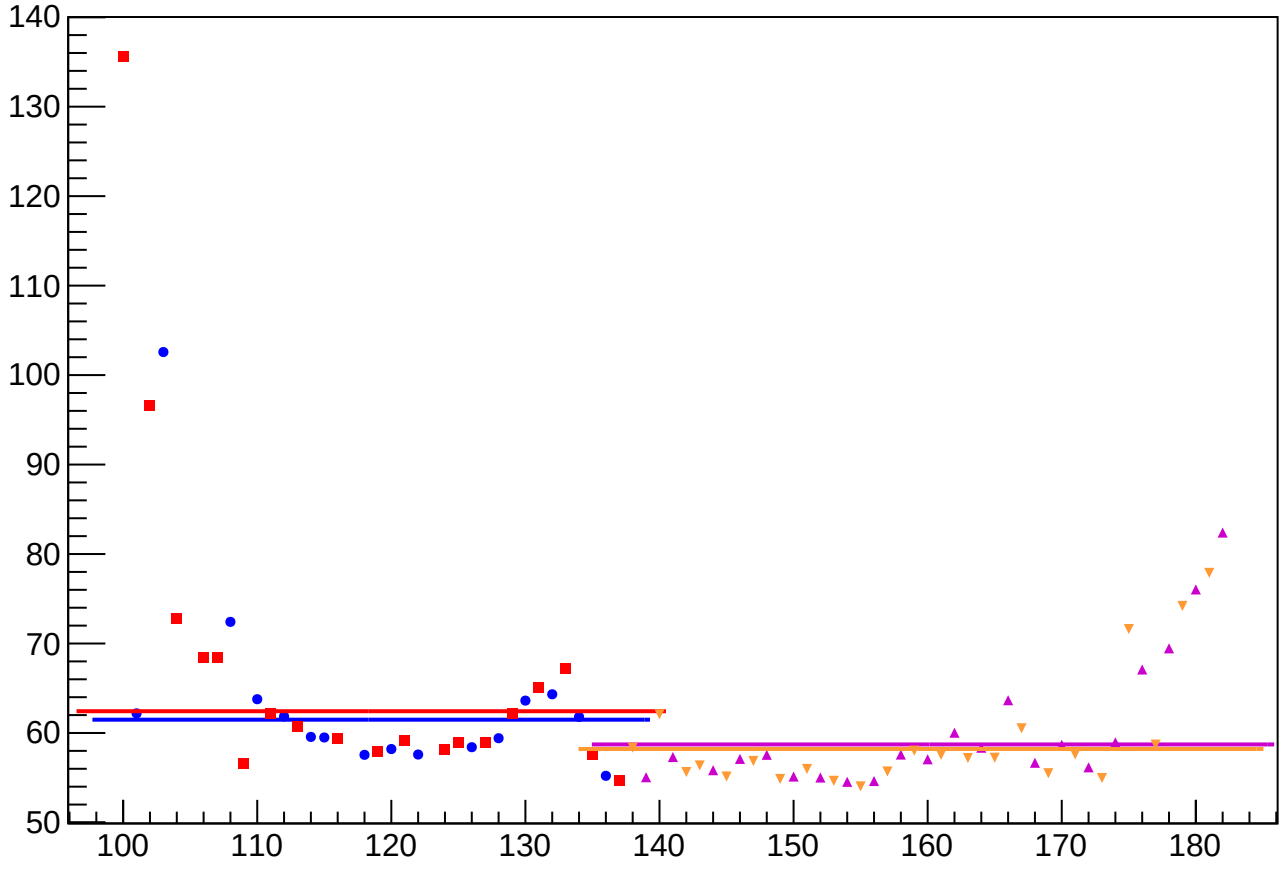
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -198.325+/-11.927 χ^2/NDF:51.6/37

Out: -167.587+/-11.784 χ^2/NDF:84.5/41

All: -182.770+/-8.383 χ^2/NDF: 139.5/79

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.212+/-0.010 χ^2/NDF:297948.1/22

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 58.720+/-0.010 χ^2/NDF:347747.2/21

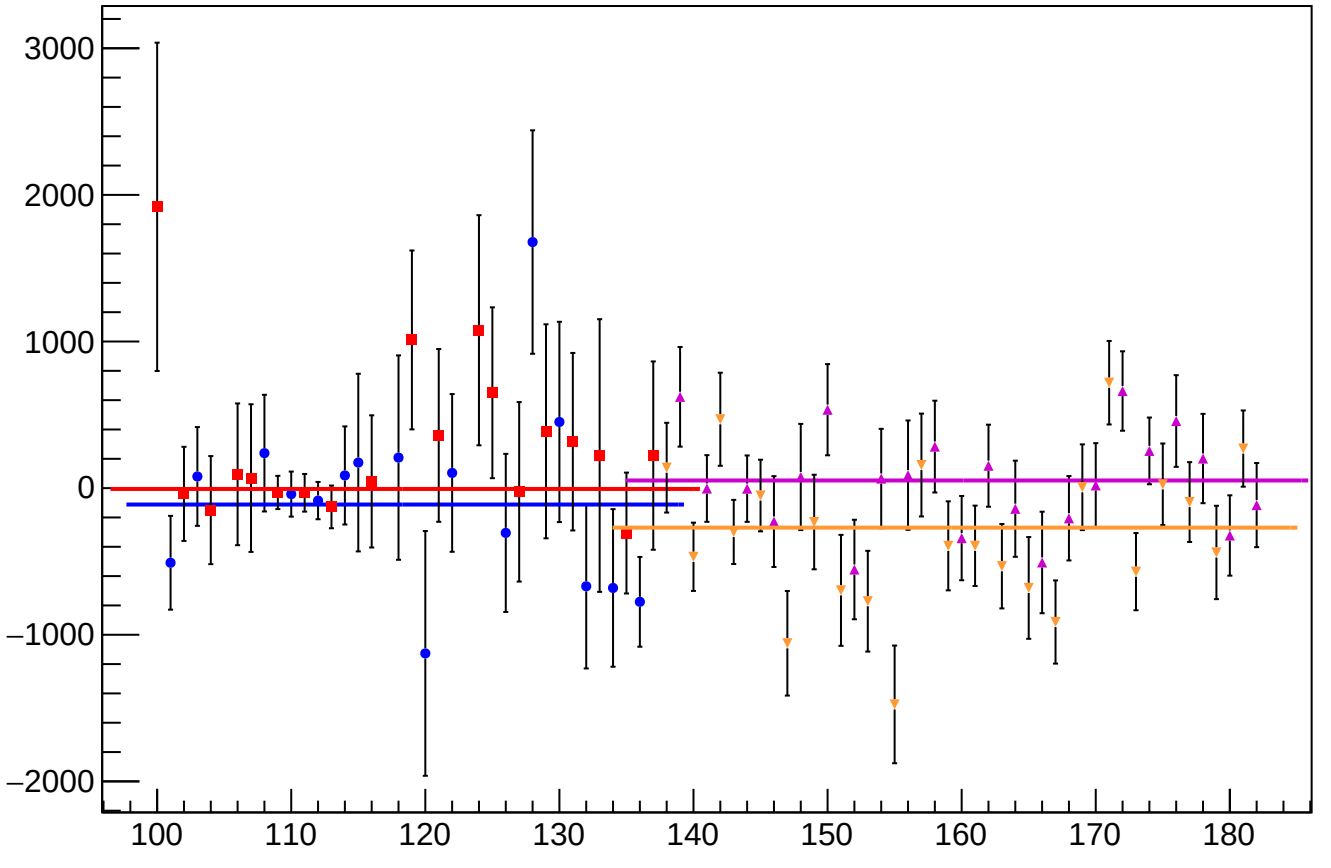
Left: 58.462+/-0.007 χ^2/NDF: 647051.1/44

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.456+/-0.008 χ^2/NDF:619422.2/37

Out: 59.300+/-0.008 χ^2/NDF:626457.0/41

All: 59.378+/-0.006 χ^2/NDF: 1246052.1/79



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -269.463+/-60.810 χ^2/NDF:55.7/22

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 52.262+/-62.406 χ^2/NDF:25.7/21

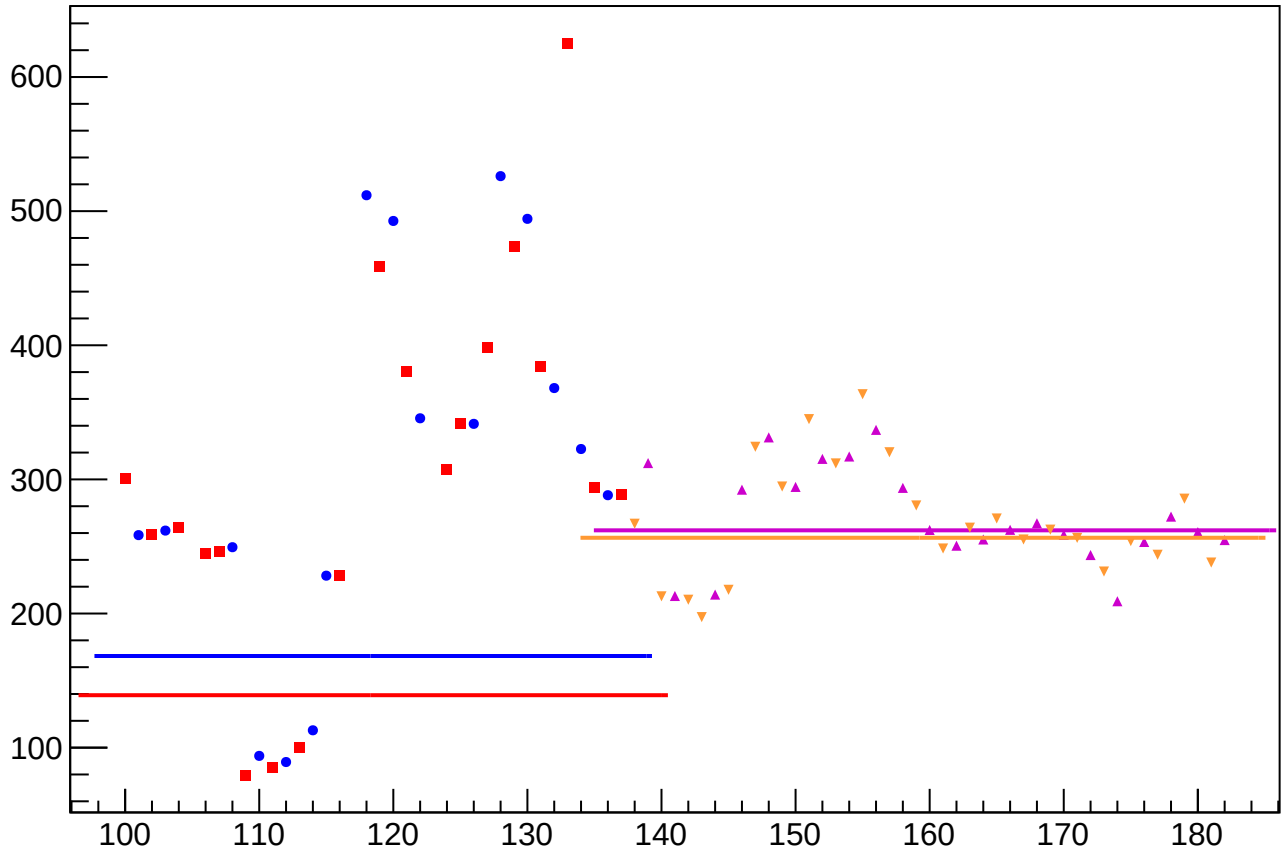
Left: -112.769+/-43.552 χ^2/NDF: 95.0/44

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -13.616+/-48.284 χ^2/NDF:46.9/37

Out: -144.454+/-44.111 χ^2/NDF:76.2/41

All: -84.932+/-32.567 χ^2/NDF: 127.2/79



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 256.479+/-0.043 χ^2/NDF:851439.2/22

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.026+/-0.044 χ^2/NDF:670564.0/21

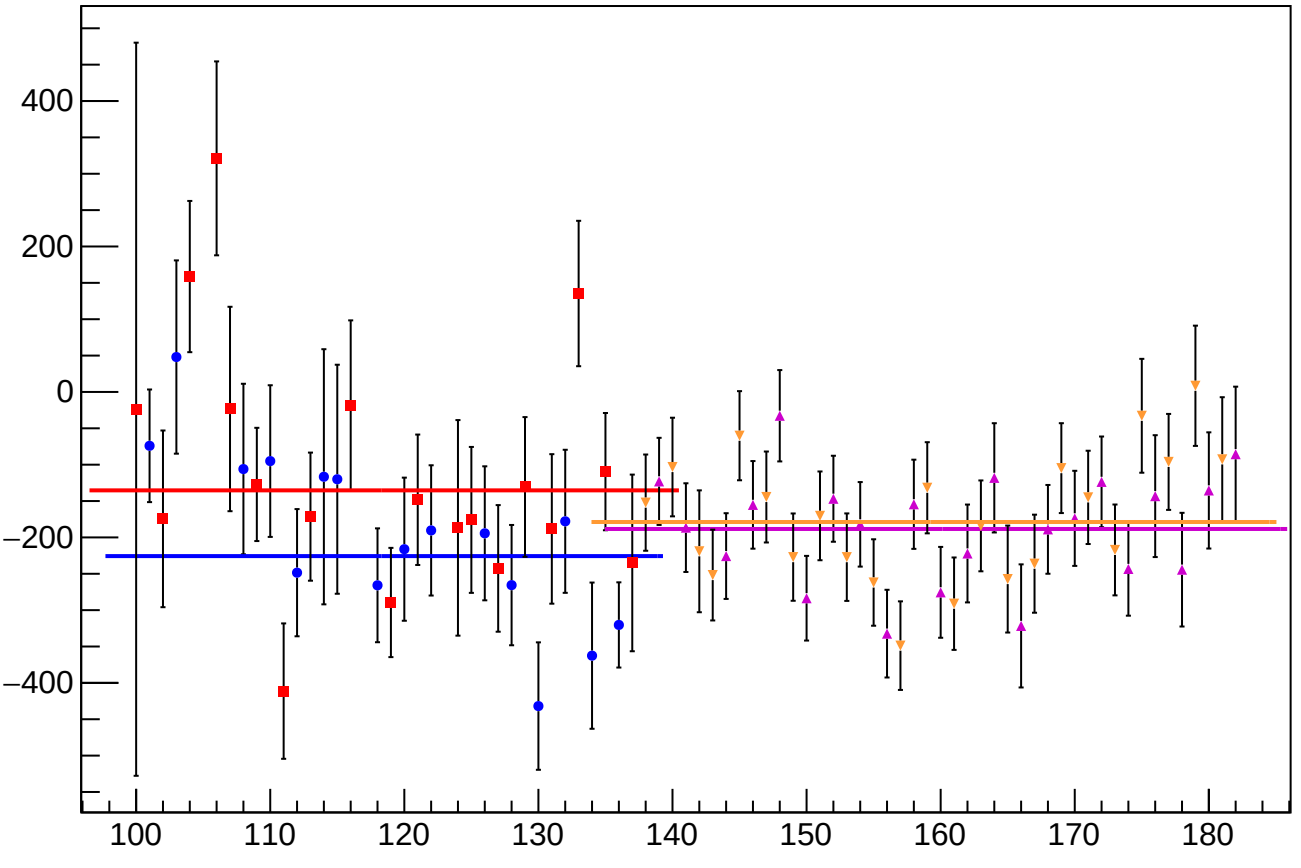
Left: 259.180+/-0.031 χ^2/NDF: 1530109.1/44

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 224.418+/-0.034 χ^2/NDF:7024210.8/37

Out: 200.867+/-0.031 χ^2/NDF:9511817.3/41

All: 211.581+/-0.023 χ^2/NDF: 16795377.9/79



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -178.802+/-13.679 χ^2/NDF:37.0/22

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -188.398+/-13.923 χ^2/NDF:27.1/21

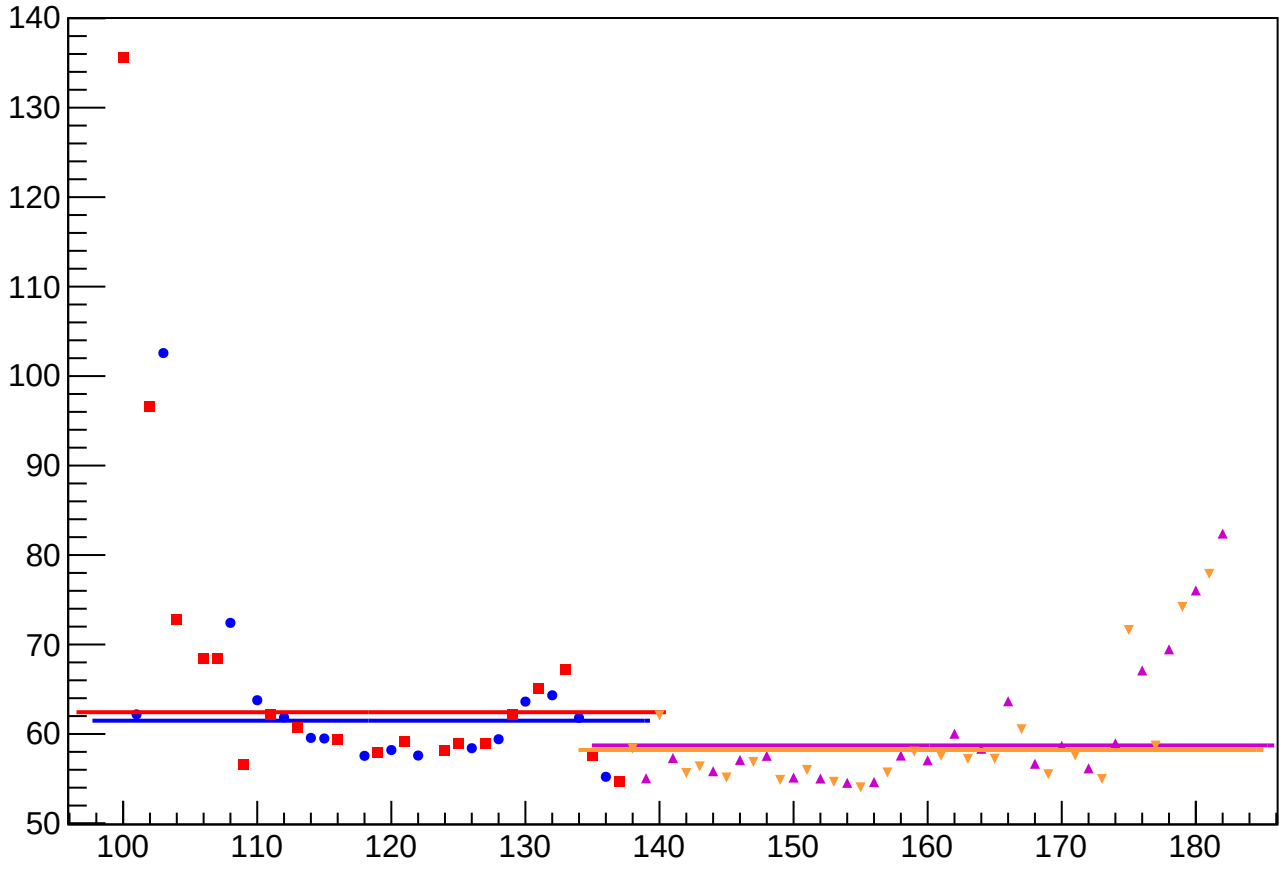
Left: -183.515+/-9.758 χ^2/NDF: 64.3/44

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -198.325+/-11.927 χ^2/NDF:51.6/37

Out: -167.587+/-11.784 χ^2/NDF:84.5/41

All: -182.770+/-8.383 χ^2/NDF: 139.5/79



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.212+/-0.010 χ^2/NDF:297948.1/22

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 58.720+/-0.010 χ^2/NDF:347747.2/21

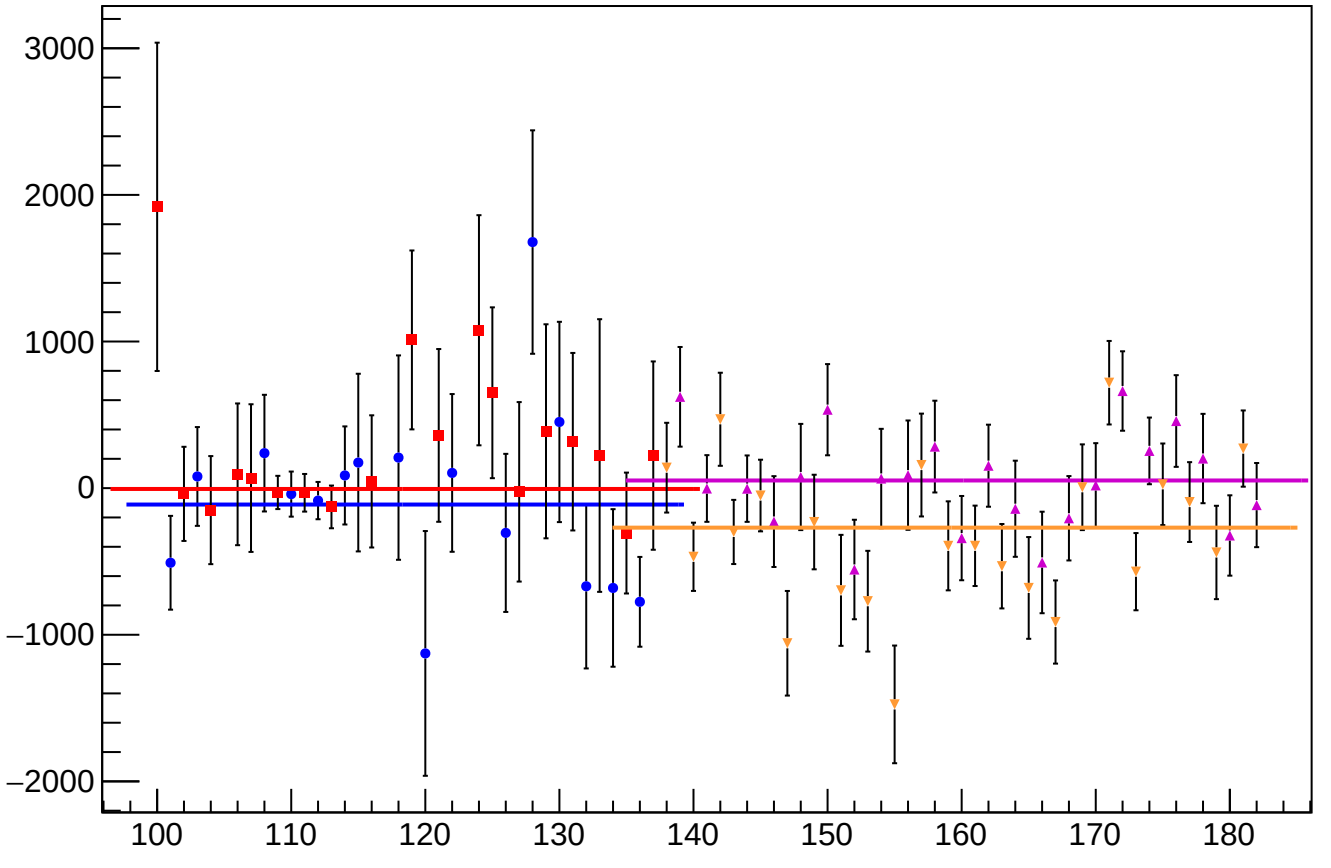
Left: 58.462+/-0.007 χ^2/NDF: 647051.1/44

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.456+/-0.008 χ^2/NDF:619422.2/37

Out: 59.300+/-0.008 χ^2/NDF:626457.0/41

All: 59.378+/-0.006 χ^2/NDF: 1246052.1/79



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -269.463+/-60.810 χ^2/NDF:55.7/22

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 52.262+/-62.406 χ^2/NDF:25.7/21

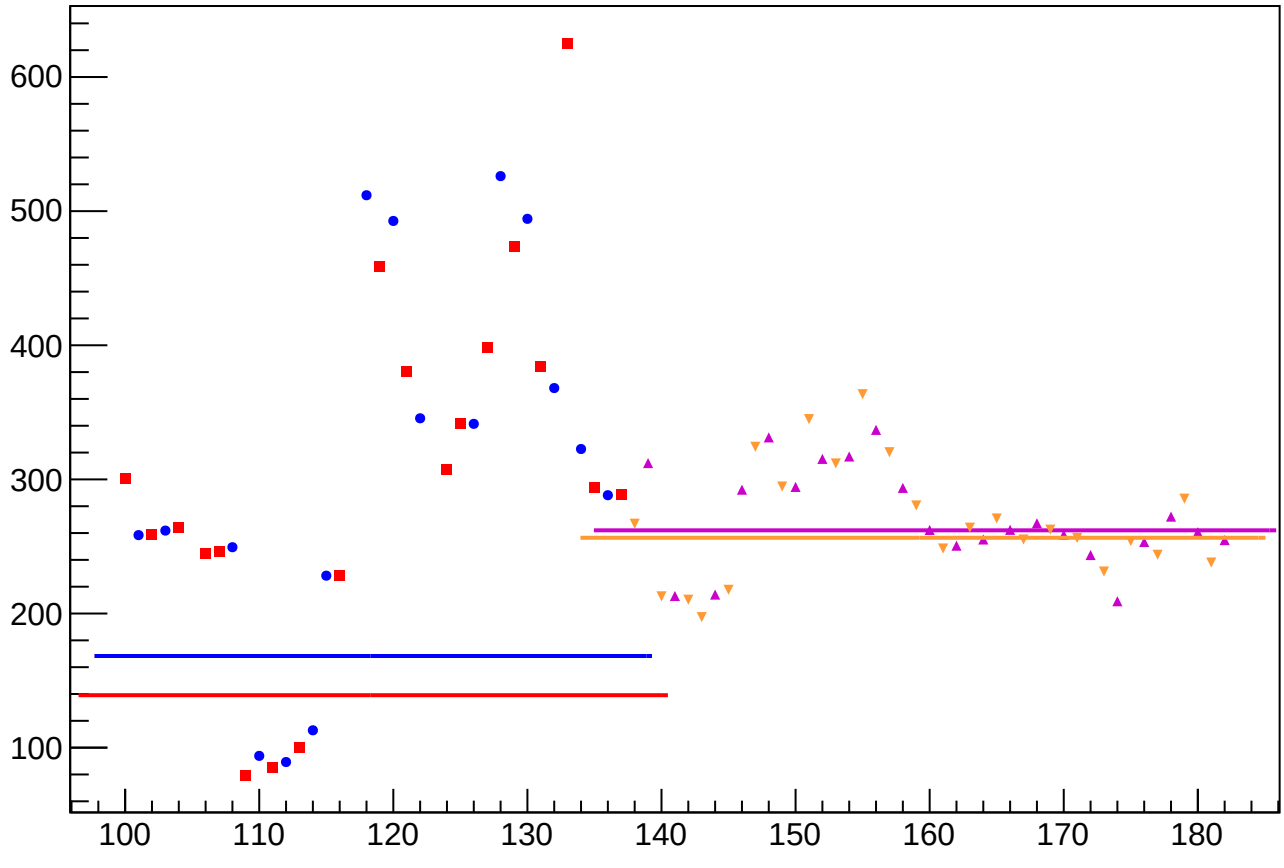
Left: -112.769+/-43.552 χ^2/NDF: 95.0/44

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -13.616+/-48.284 χ^2/NDF:46.9/37

Out: -144.454+/-44.111 χ^2/NDF:76.2/41

All: -84.932+/-32.567 χ^2/NDF: 127.2/79



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 256.479+/-0.043 χ^2/NDF:851439.2/22

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.026+/-0.044 χ^2/NDF:670564.0/21

Left: 259.180+/-0.031 χ^2/NDF: 1530109.1/44

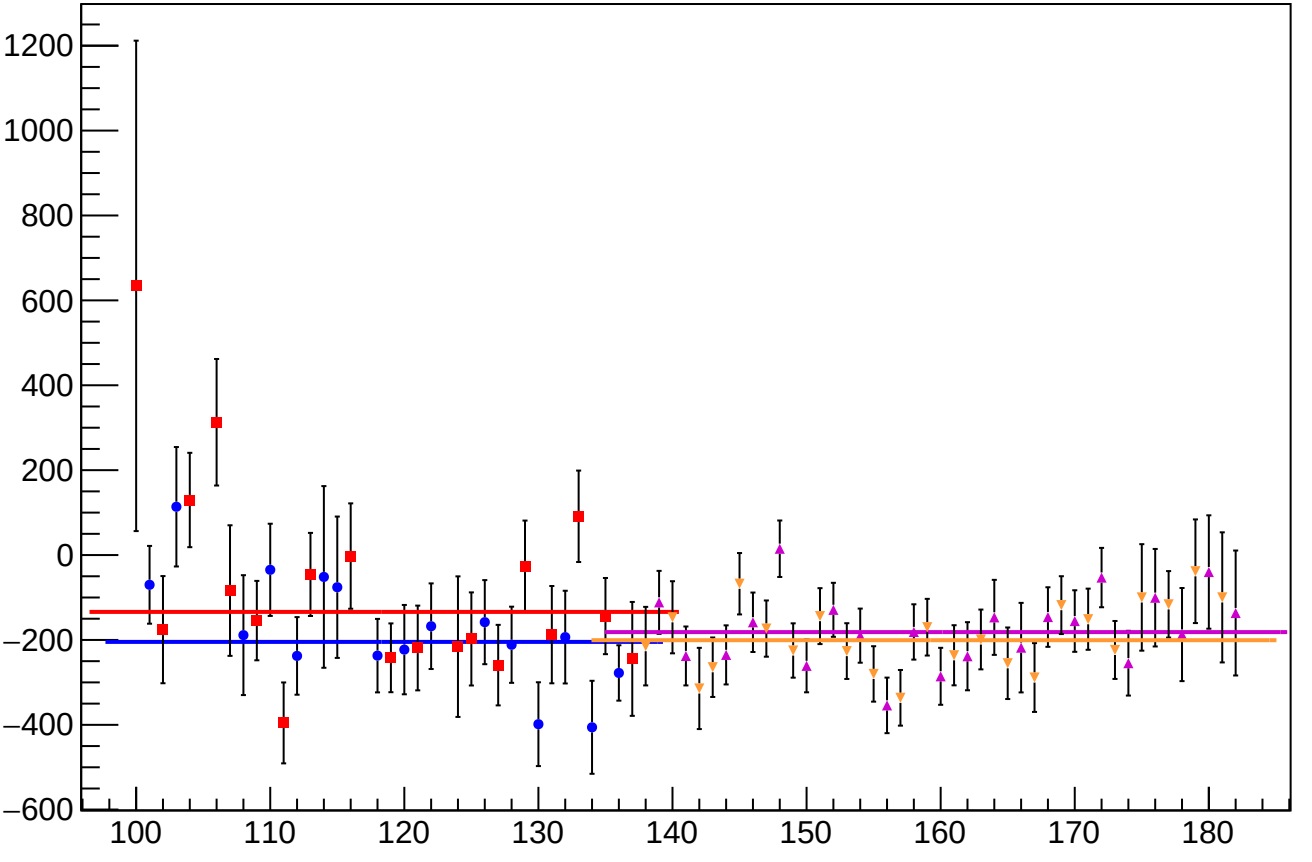
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 224.418+/-0.034 χ^2/NDF:7024210.8/37

Out: 200.867+/-0.031 χ^2/NDF:9511817.3/41

All: 211.581+/-0.023 χ^2/NDF: 16795377.9/79

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -200.585+/-15.737 χ^2/NDF:21.1/22

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -181.508+/-16.073 χ^2/NDF:29.8/21

Left: -191.248+/-11.244 χ^2/NDF: 51.7/44

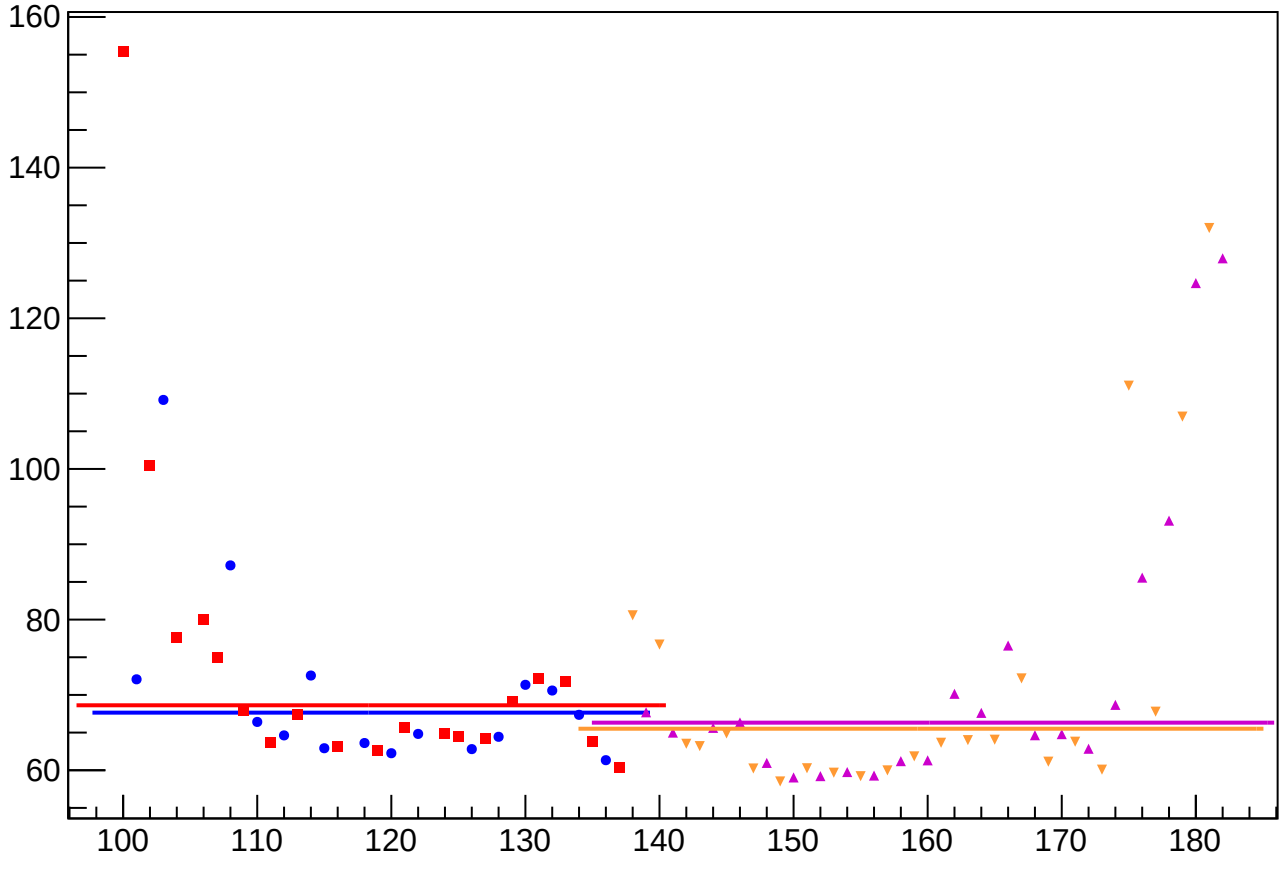
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -188.059+/-13.601 χ^2/NDF:50.4/37

Out: -182.183+/-13.390 χ^2/NDF:63.3/41

All: -185.075+/-9.542 χ^2/NDF: 113.8/79

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 65.513+/-0.011 χ^2/NDF:1105317.6/22

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 66.318+/-0.011 χ^2/NDF:1075250.6/21

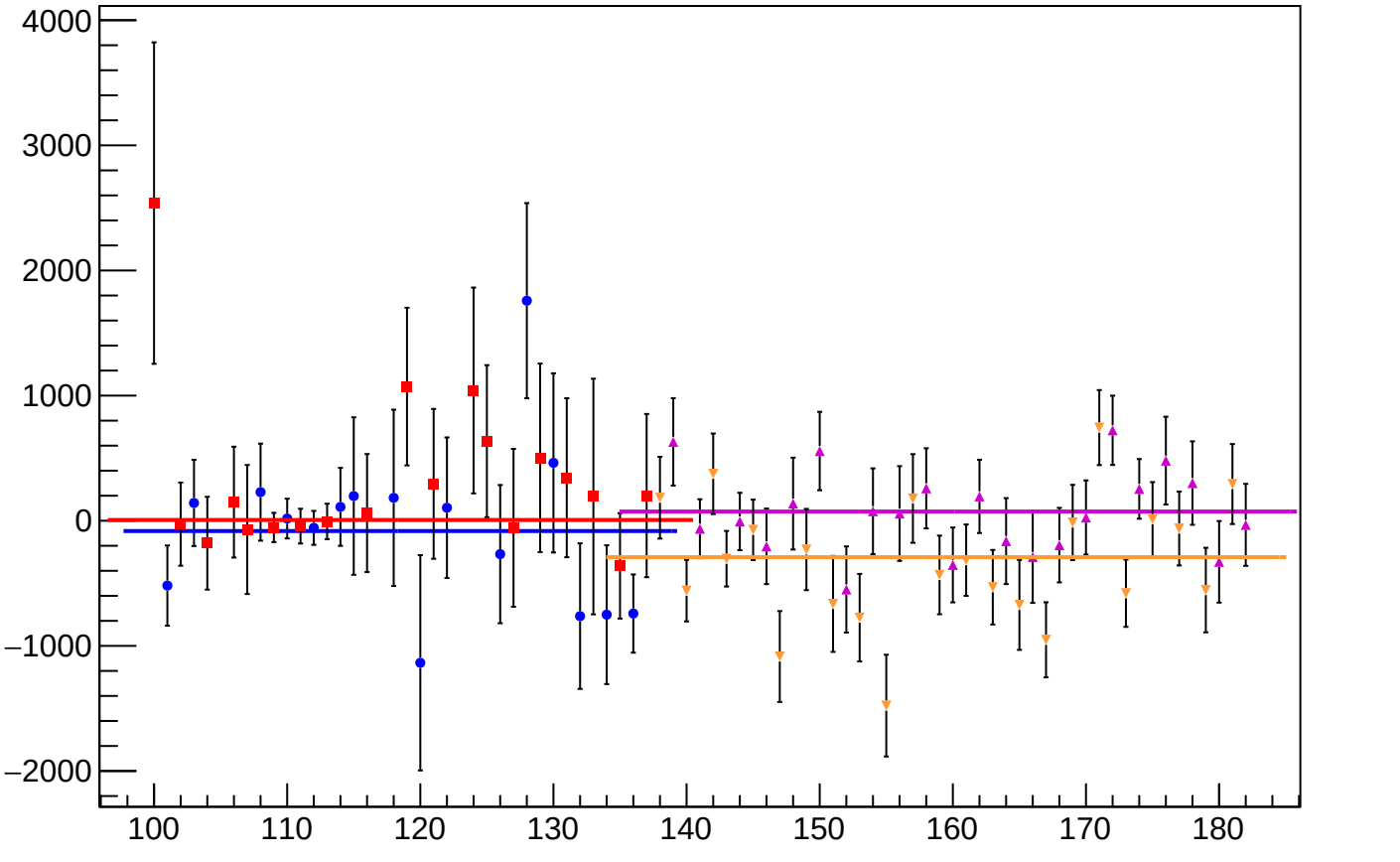
Left: 65.907+/-0.008 χ^2/NDF: 2183130.6/44

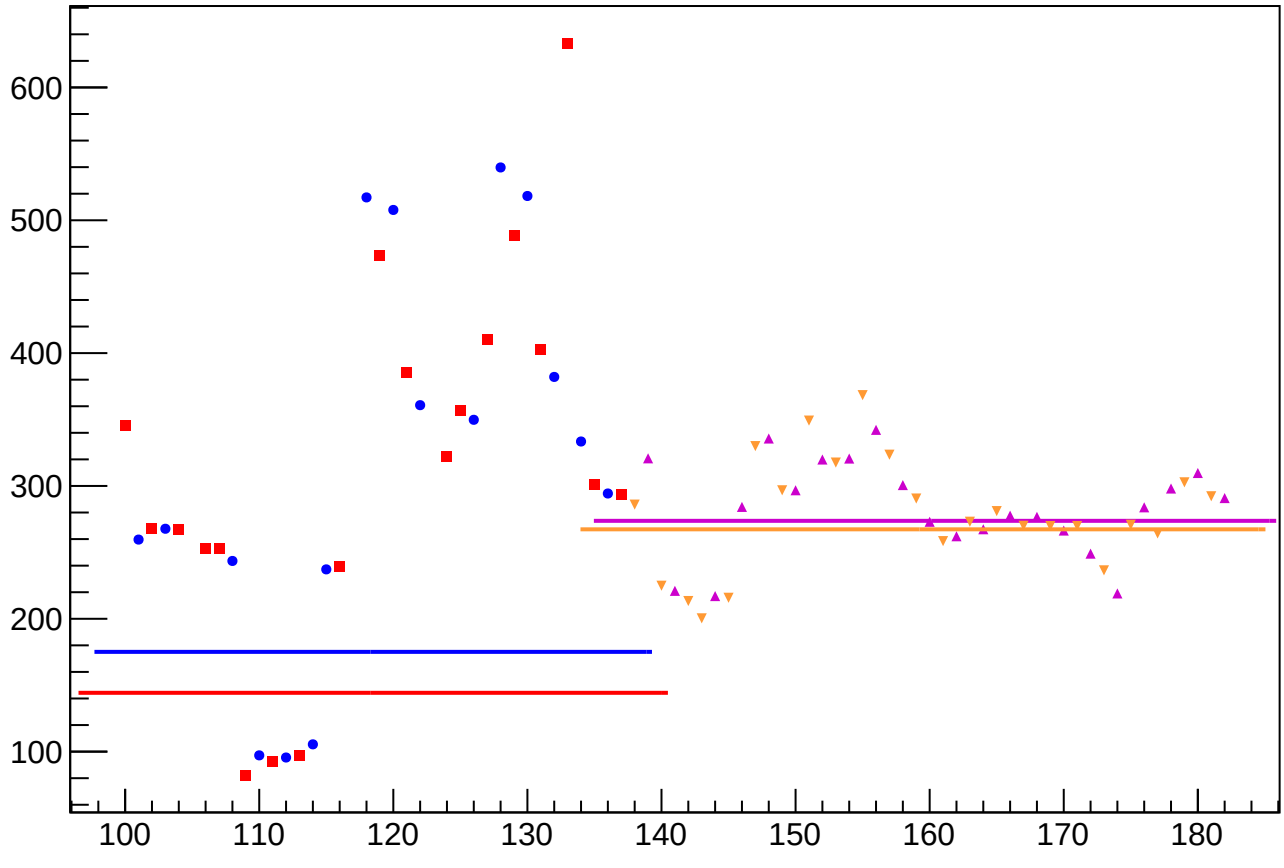
Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 66.695+/-0.010 χ^2/NDF:1342806.8/37

Out: 66.372+/-0.009 χ^2/NDF:1375063.8/41

All: 66.531+/-0.007 χ^2/NDF: 2718446.2/79


asym_sam8_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: -82.228+/-78.676 χ²/NDF: 19.2/15
Left Out: -291.186+/-63.356 χ²/NDF:52.7/22
Right Out: 6.063+/-65.910 χ²/NDF: 12.0/18
Left In: 73.527+/-65.176 χ²/NDF:23.9/21
Left: -113.993+/-45.429 χ²/NDF: 92.7/44
Right: -30.347+/-50.524 χ²/NDF: 32.0/34
In: 10.139+/-50.191 χ²/NDF:45.4/37
Out: -148.432+/-45.676 χ²/NDF:75.3/41
All: -76.598+/-33.781 χ²/NDF: 126.2/79



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 267.341+/-0.045 χ^2/NDF:855865.0/22

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 273.740+/-0.046 χ^2/NDF:650292.3/21

Left: 270.450+/-0.032 χ^2/NDF: 1516069.5/44

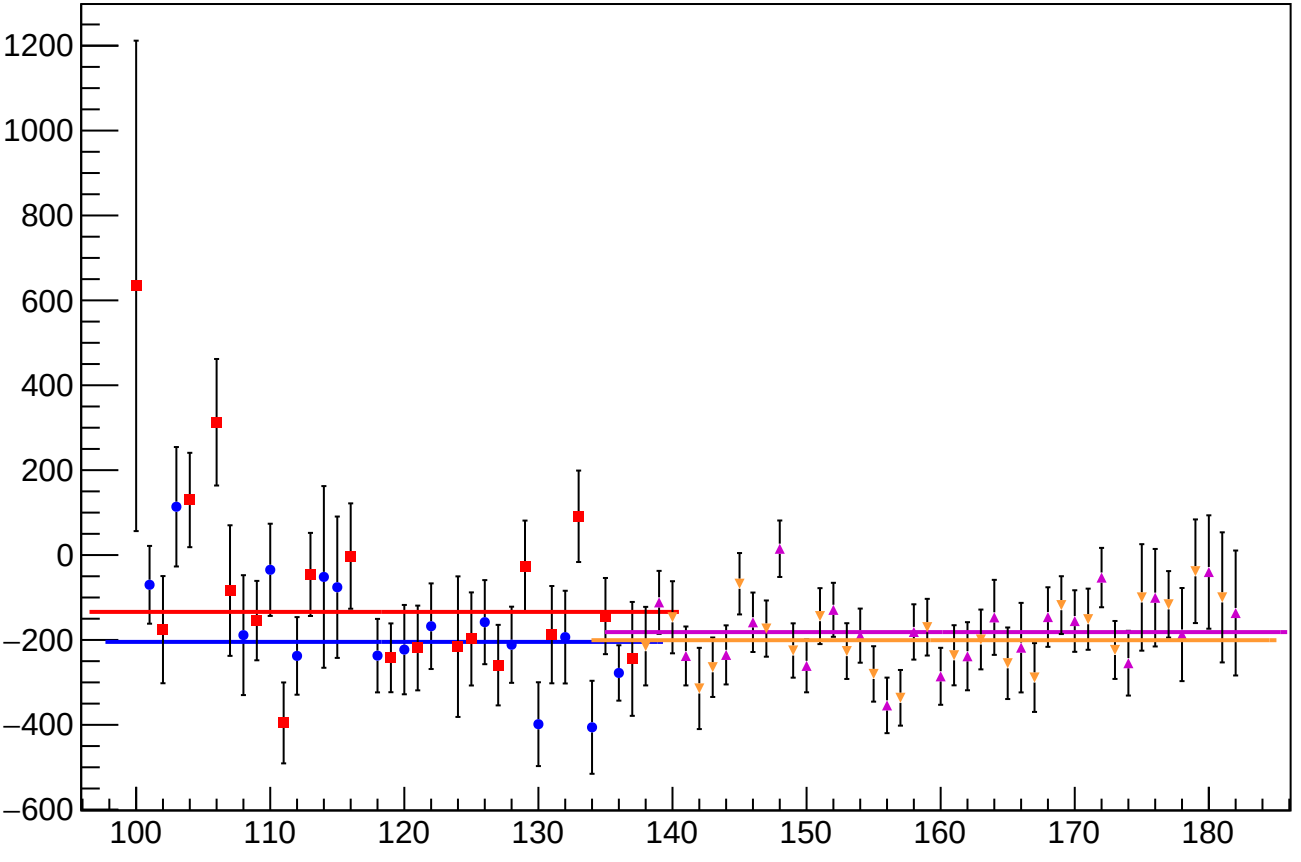
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 233.596+/-0.035 χ^2/NDF:6943749.9/37

Out: 208.239+/-0.032 χ^2/NDF:9612309.5/41

All: 219.726+/-0.024 χ^2/NDF: 16835280.5/79

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -200.585+/-15.737 χ^2/NDF:21.1/22

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -181.509+/-16.073 χ^2/NDF:29.8/21

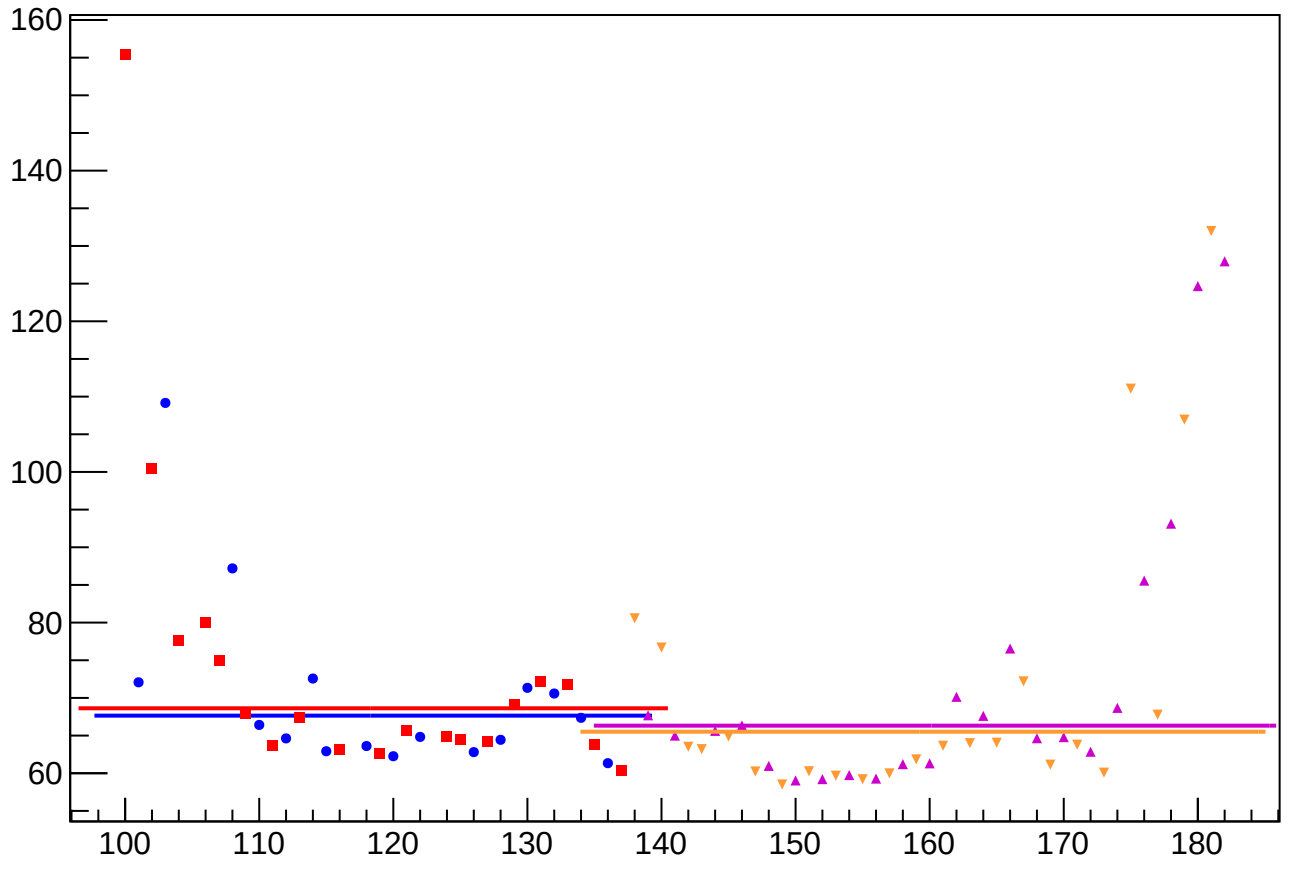
Left: -191.249+/-11.244 χ^2/NDF: 51.7/44

Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -188.059+/-13.601 χ^2/NDF:50.4/37

Out: -182.183+/-13.390 χ^2/NDF:63.3/41

All: -185.075+/-9.542 χ^2/NDF: 113.8/79



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 65.513+/-0.011 χ^2/NDF:1105321.3/22

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 66.318+/-0.011 χ^2/NDF:1075244.4/21

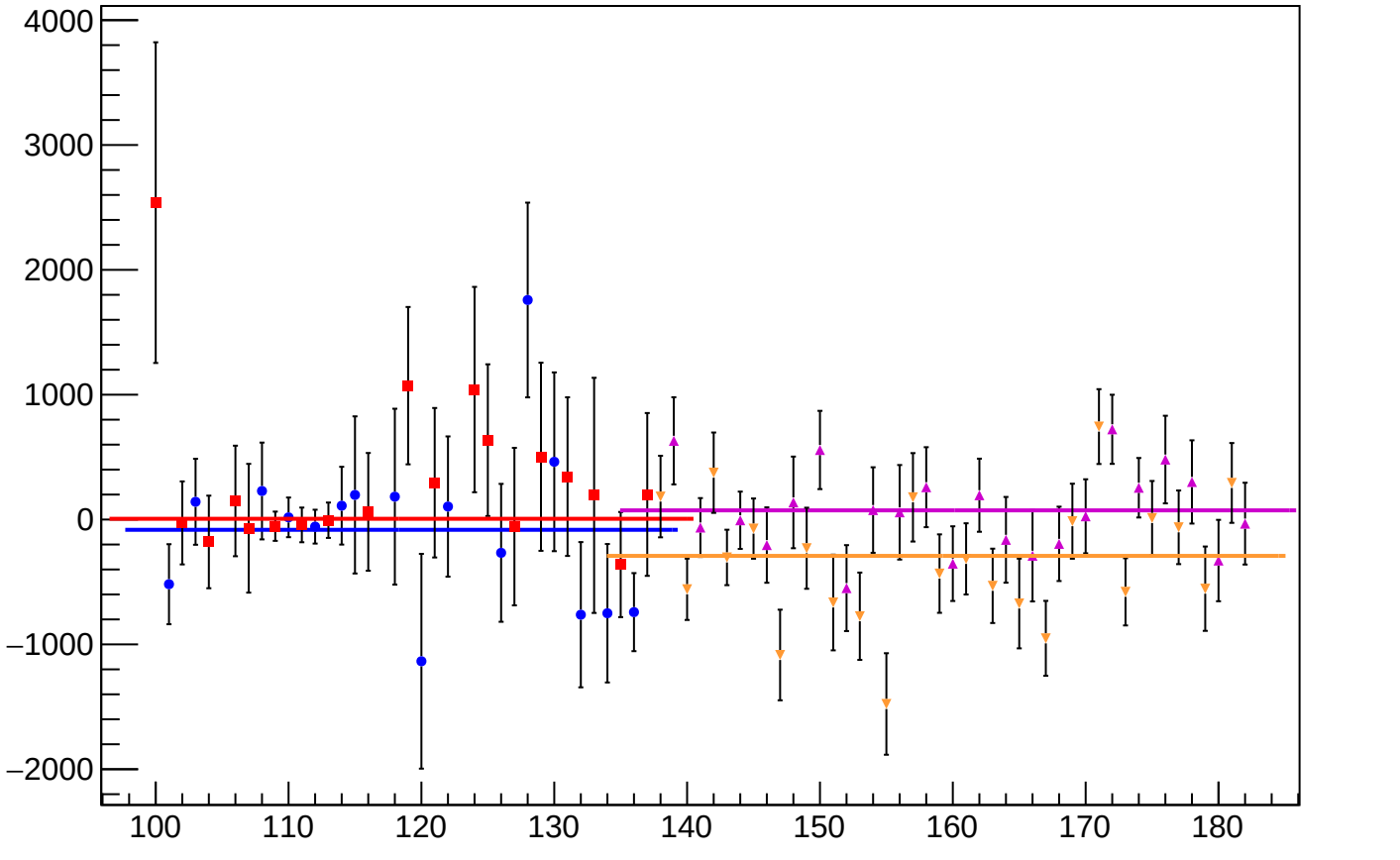
Left: 65.907+/-0.008 χ^2/NDF: 2183128.2/44

Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 66.695+/-0.010 χ^2/NDF:1342798.5/37

Out: 66.372+/-0.009 χ^2/NDF:1375065.7/41

All: 66.531+/-0.007 χ^2/NDF: 2718439.8/79


asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
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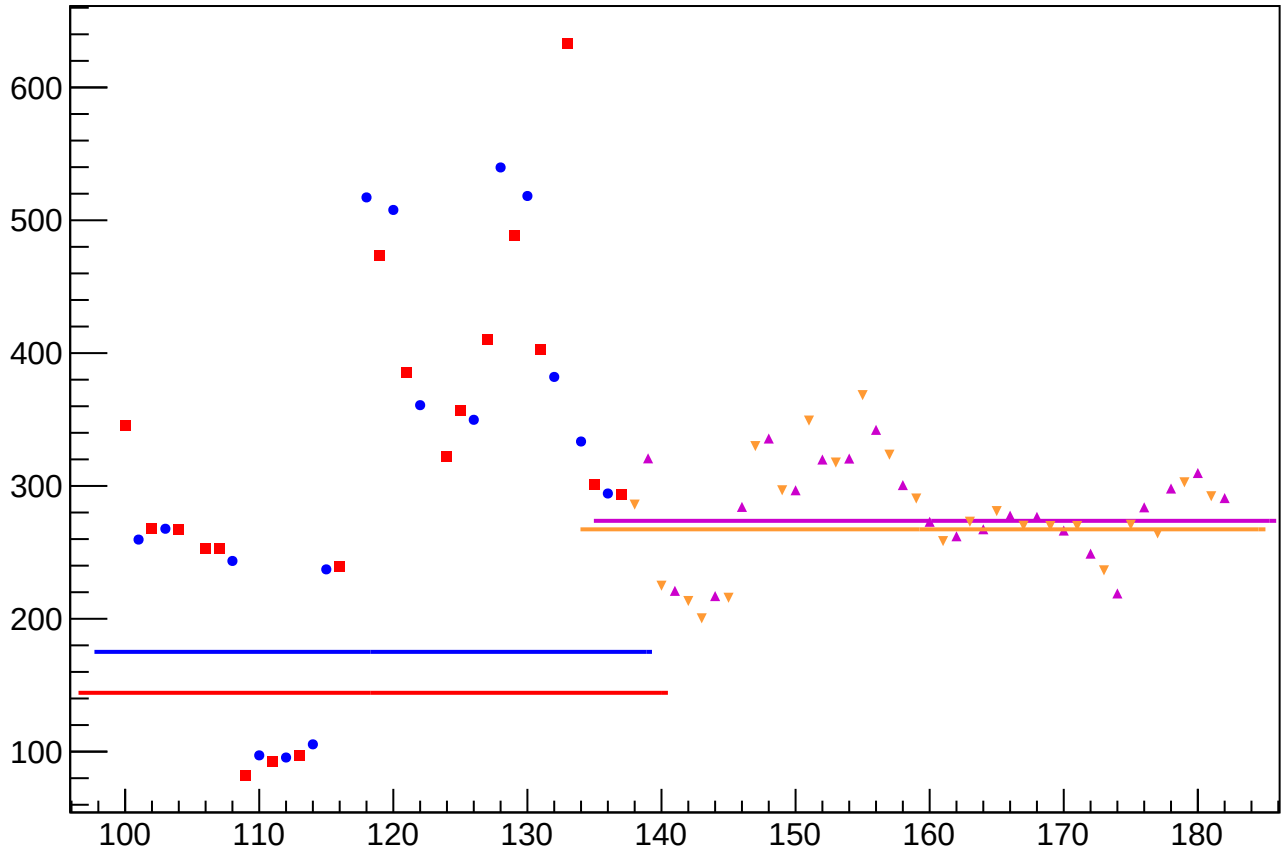
170
180
Right In: -82.226+/-78.675 χ²/NDF: 19.2/15
Left Out: -291.186+/-63.356 χ²/NDF:52.7/22
Right Out: 6.062+/-65.910 χ²/NDF: 12.0/18
Left In: 73.527+/-65.176 χ²/NDF:23.9/21
Left: -113.992+/-45.429 χ²/NDF: 92.7/44
Right: -30.347+/-50.524 χ²/NDF: 32.0/34
In: 10.139+/-50.191 χ²/NDF:45.4/37
Out: -148.433+/-45.676 χ²/NDF:75.3/41
All: -76.598+/-33.781 χ²/NDF: 126.2/79



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 267.340+/-0.045 χ^2/NDF:855875.1/22

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 273.739+/-0.046 χ^2/NDF:650297.8/21

Left: 270.449+/-0.032 χ^2/NDF: 1516085.1/44

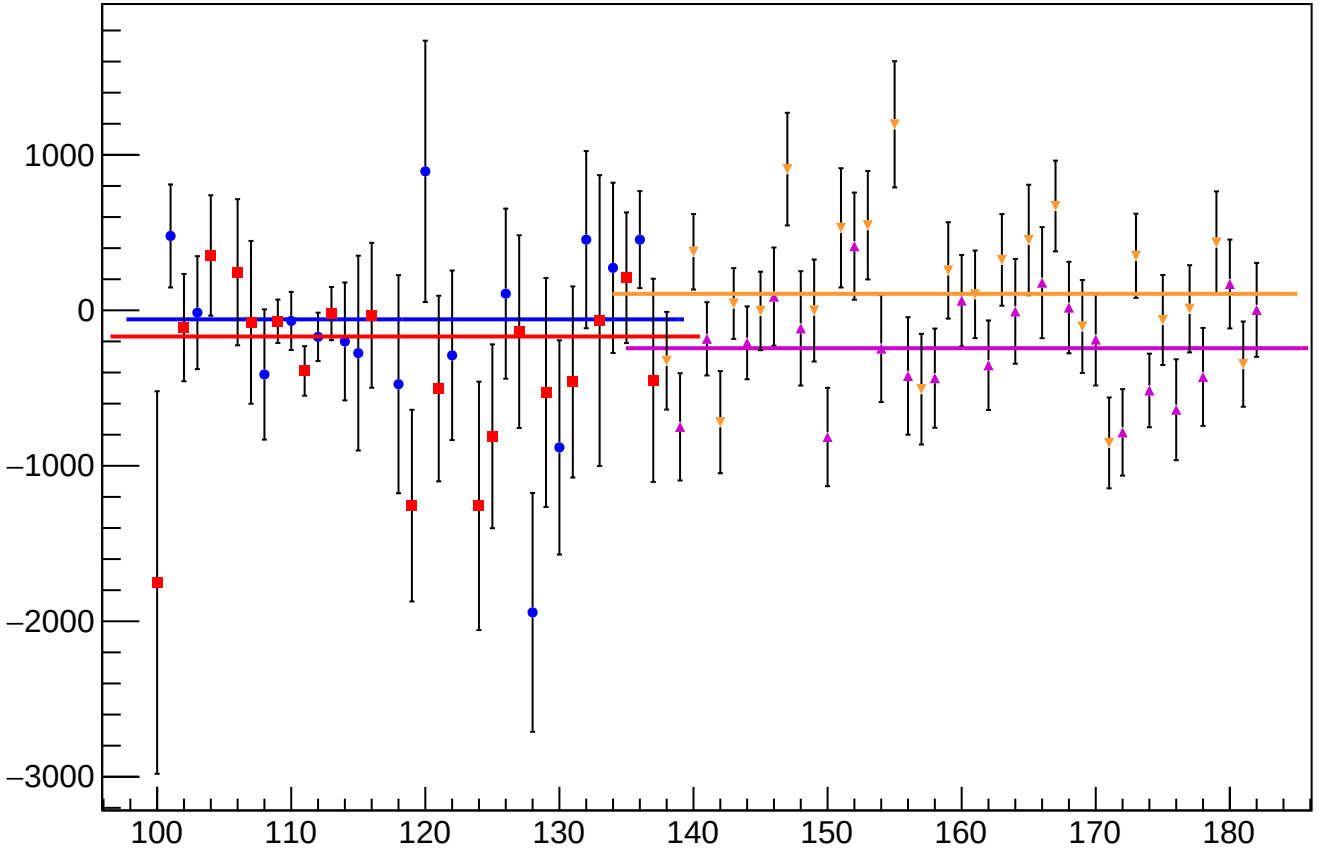
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 233.595+/-0.035 χ^2/NDF:6943812.4/37

Out: 208.239+/-0.032 χ^2/NDF:9612281.5/41

All: 219.725+/-0.024 χ^2/NDF: 16835302.7/79

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 106.155+/-62.599 χ^2/NDF:49.5/22

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -243.708+/-64.198 χ^2/NDF:24.6/21

Left: -64.366+/-44.819 χ^2/NDF: 89.3/44

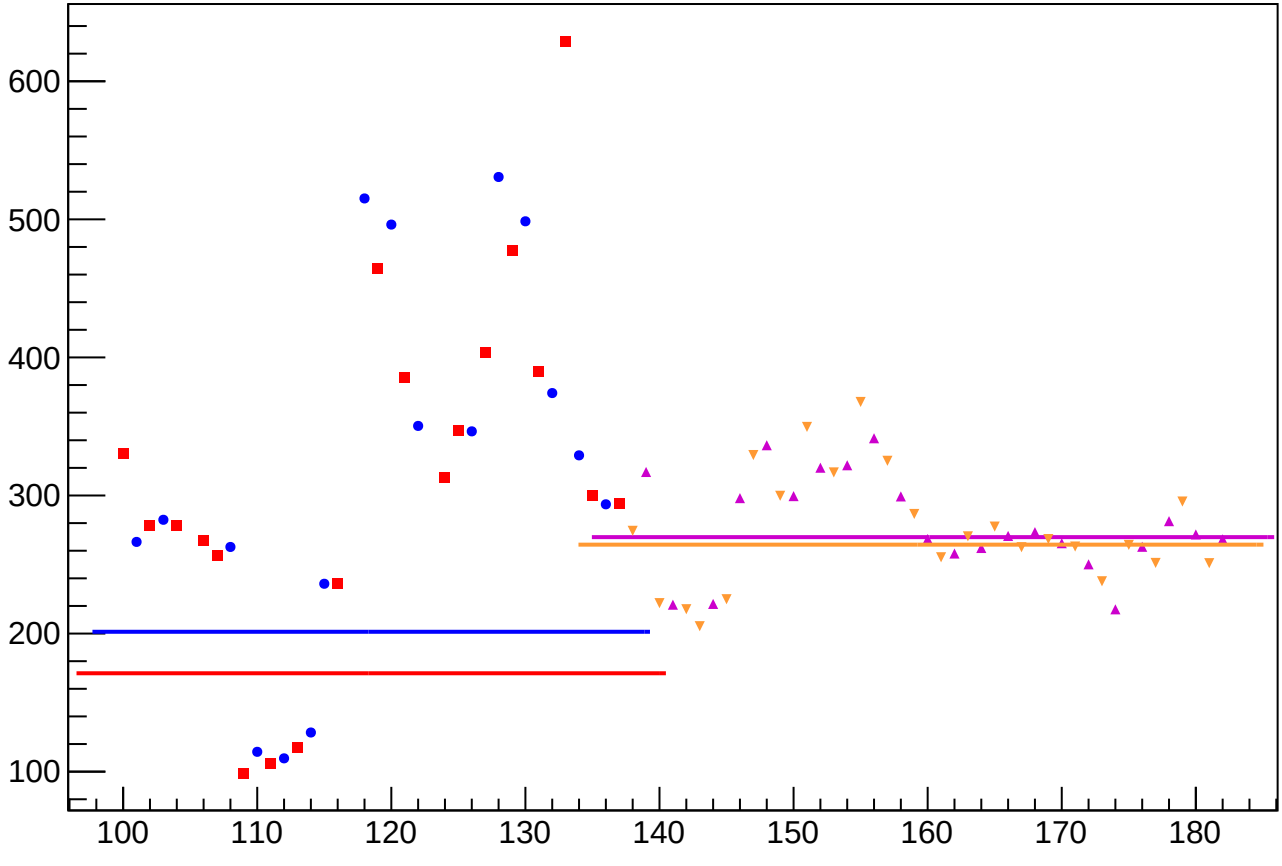
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -178.120+/-51.634 χ^2/NDF:44.9/37

Out: -7.262+/-47.953 χ^2/NDF:72.9/41

All: -86.384+/-35.137 χ^2/NDF: 123.7/79

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 264.400+/-0.044 χ^2/NDF:769237.8/22

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 269.848+/-0.045 χ^2/NDF:602169.5/21

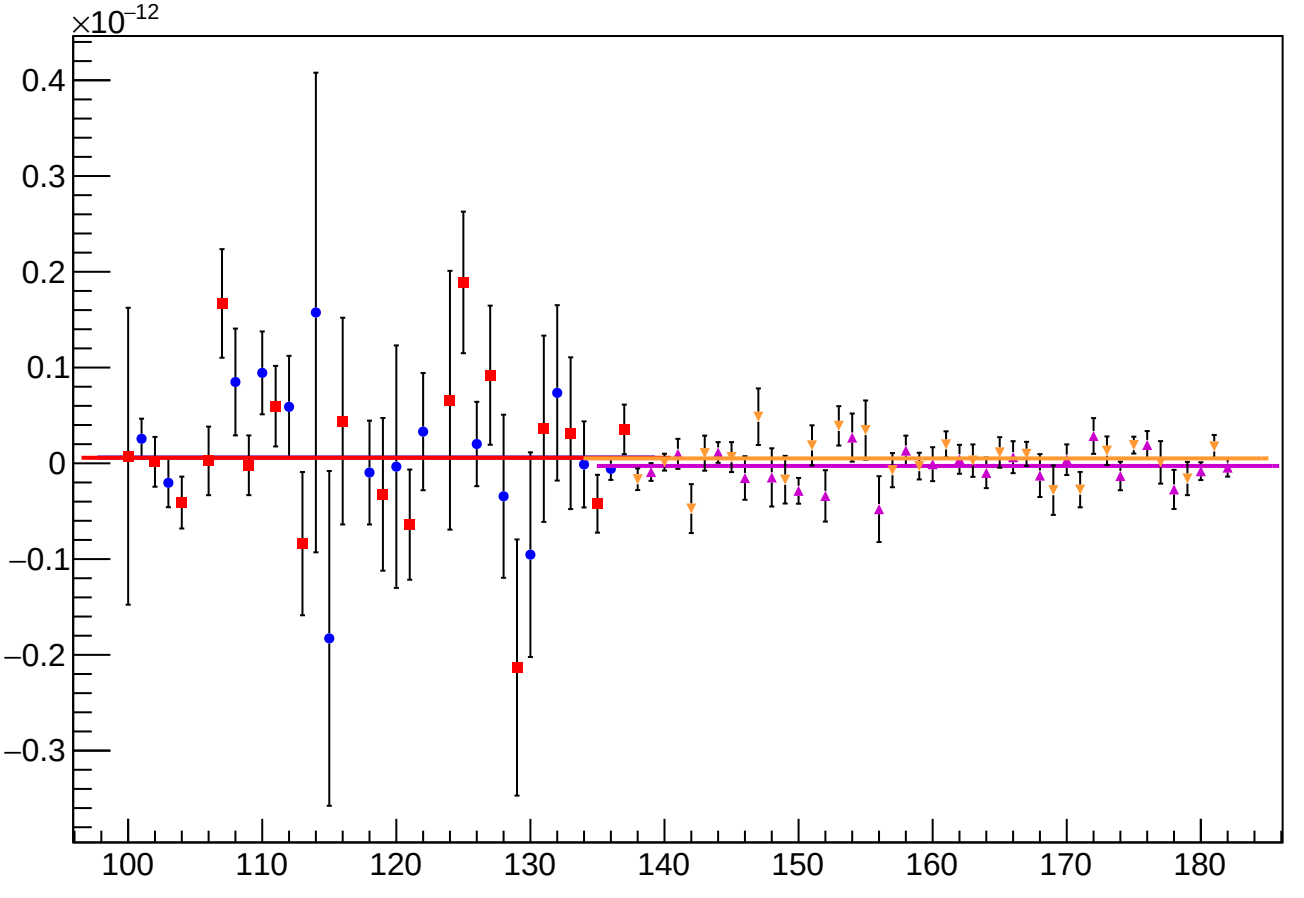
Left: 267.055+/-0.032 χ^2/NDF: 1378790.3/44

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 245.643+/-0.037 χ^2/NDF:4979522.3/37

Out: 225.910+/-0.034 χ^2/NDF:6791615.7/41

All: 235.048+/-0.025 χ^2/NDF: 11927970.9/79



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

Left Out: 0.000+/-0.000 χ^2/NDF:27.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.0/21

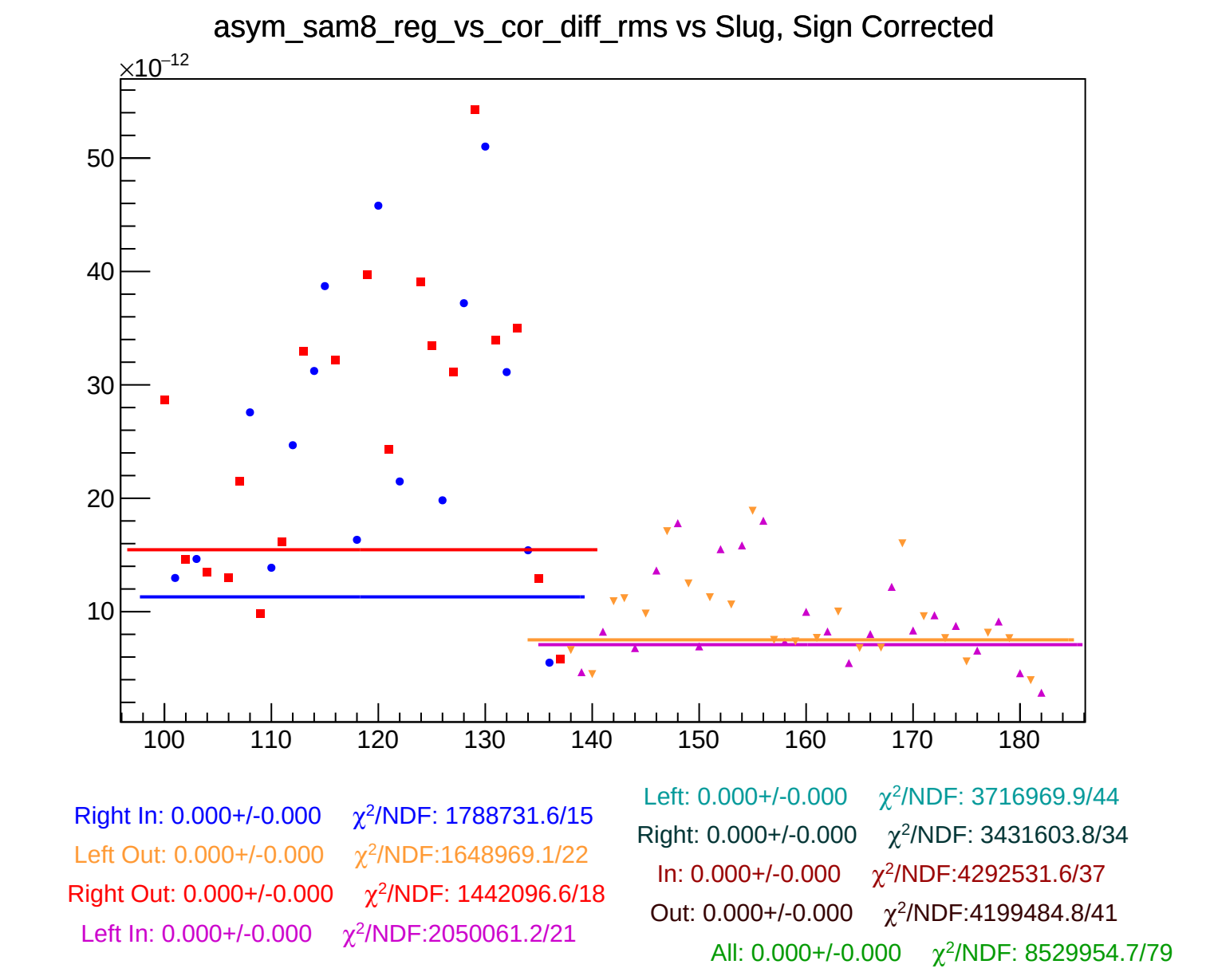
Left: 0.000+/-0.000 χ^2/NDF: 51.8/44

Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:35.8/37

Out: 0.000+/-0.000 χ^2/NDF:58.2/41

All: 0.000+/-0.000 χ^2/NDF: 96.6/79


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
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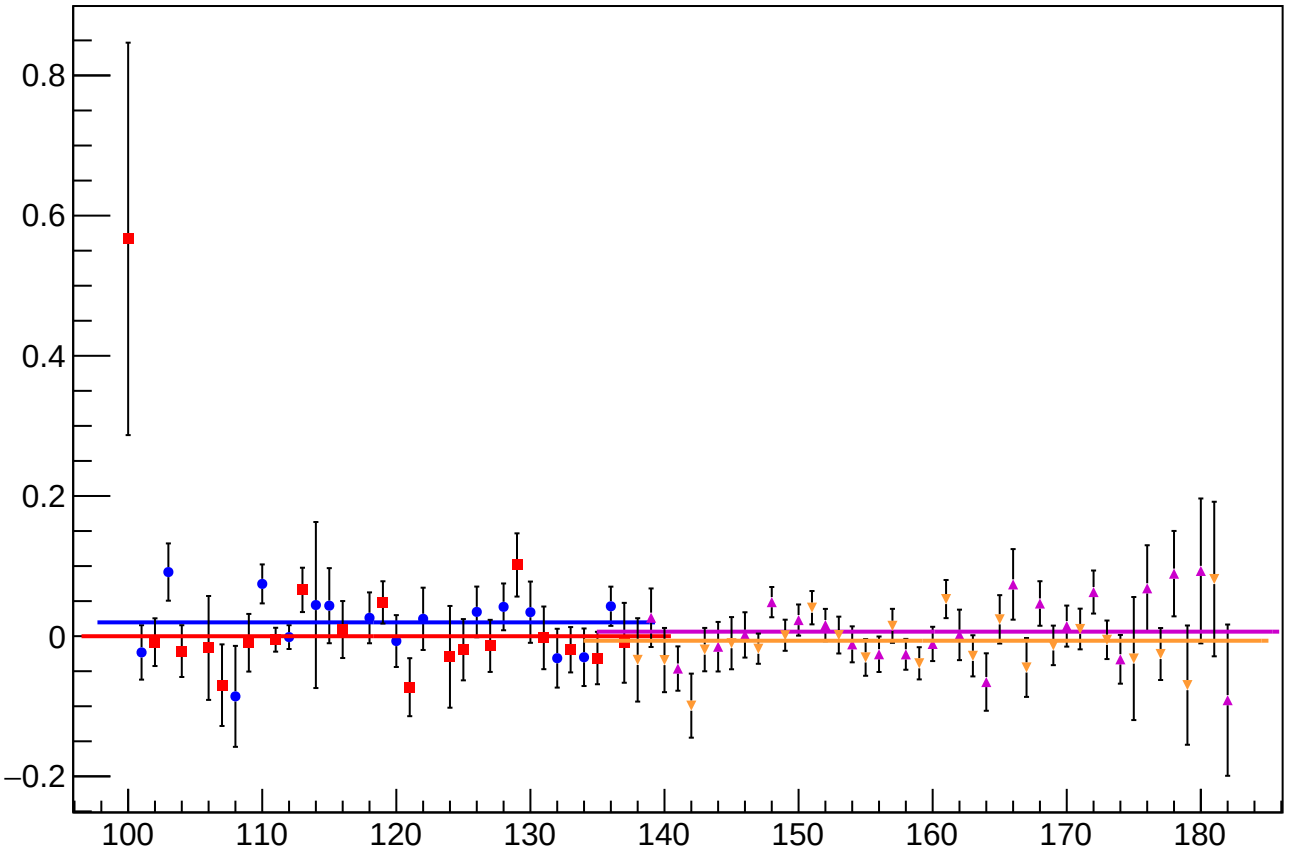
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1648969.1/22
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:2050061.2/21
Left: 0.000+/-0.000 χ²/NDF: 3716969.9/44
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:4292531.6/37
Out: 0.000+/-0.000 χ²/NDF:4199484.8/41
All: 0.000+/-0.000 χ²/NDF: 8529954.7/79



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.7/22

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:28.3/21

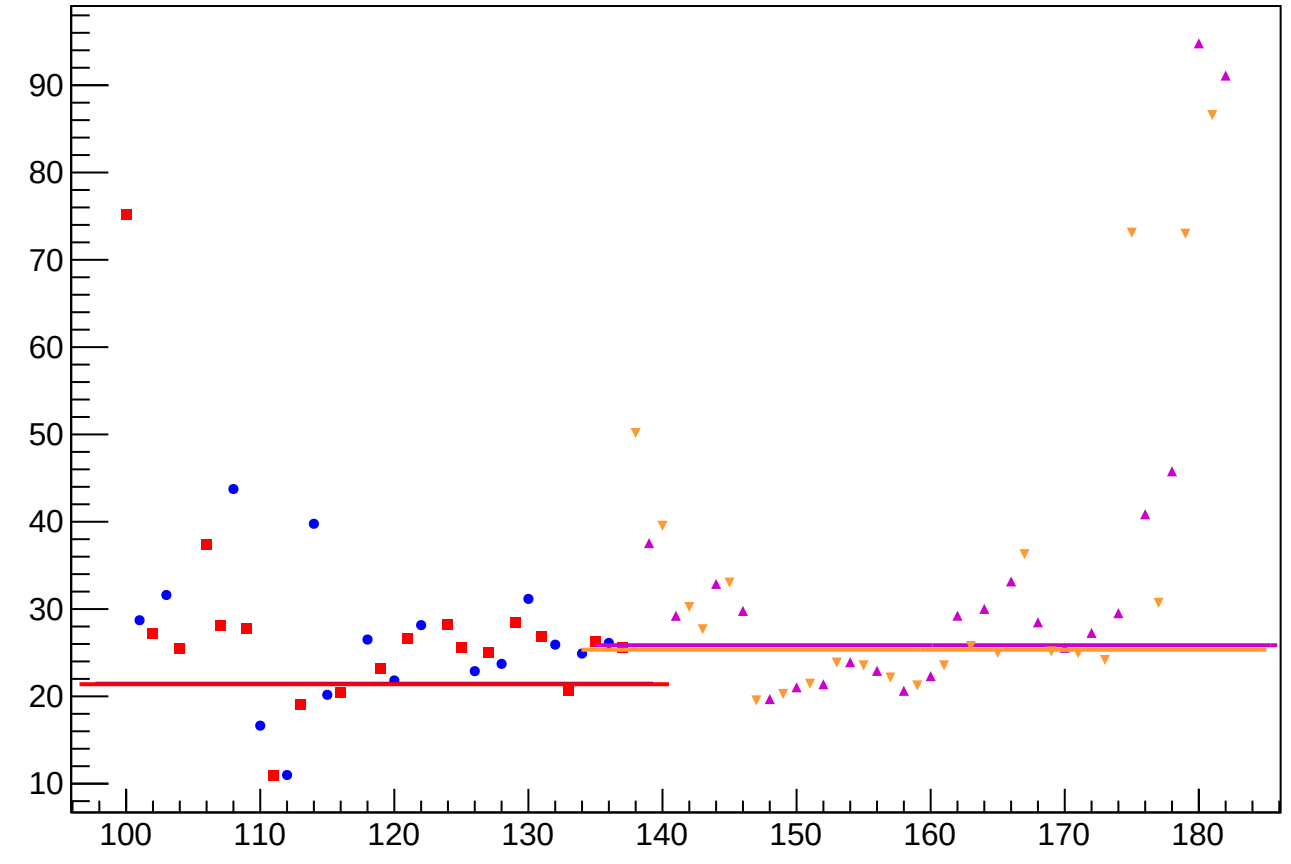
Left: -0.000+/-0.005 χ^2/NDF: 52.0/44

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:46.8/37

Out: -0.004+/-0.005 χ^2/NDF:44.9/41

All: 0.003+/-0.004 χ^2/NDF: 96.2/79



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.339+/-0.005 χ^2/NDF:3103564.0/22

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.857+/-0.005 χ^2/NDF:2888898.8/21

Left: 25.589+/-0.003 χ^2/NDF: 5998758.8/44

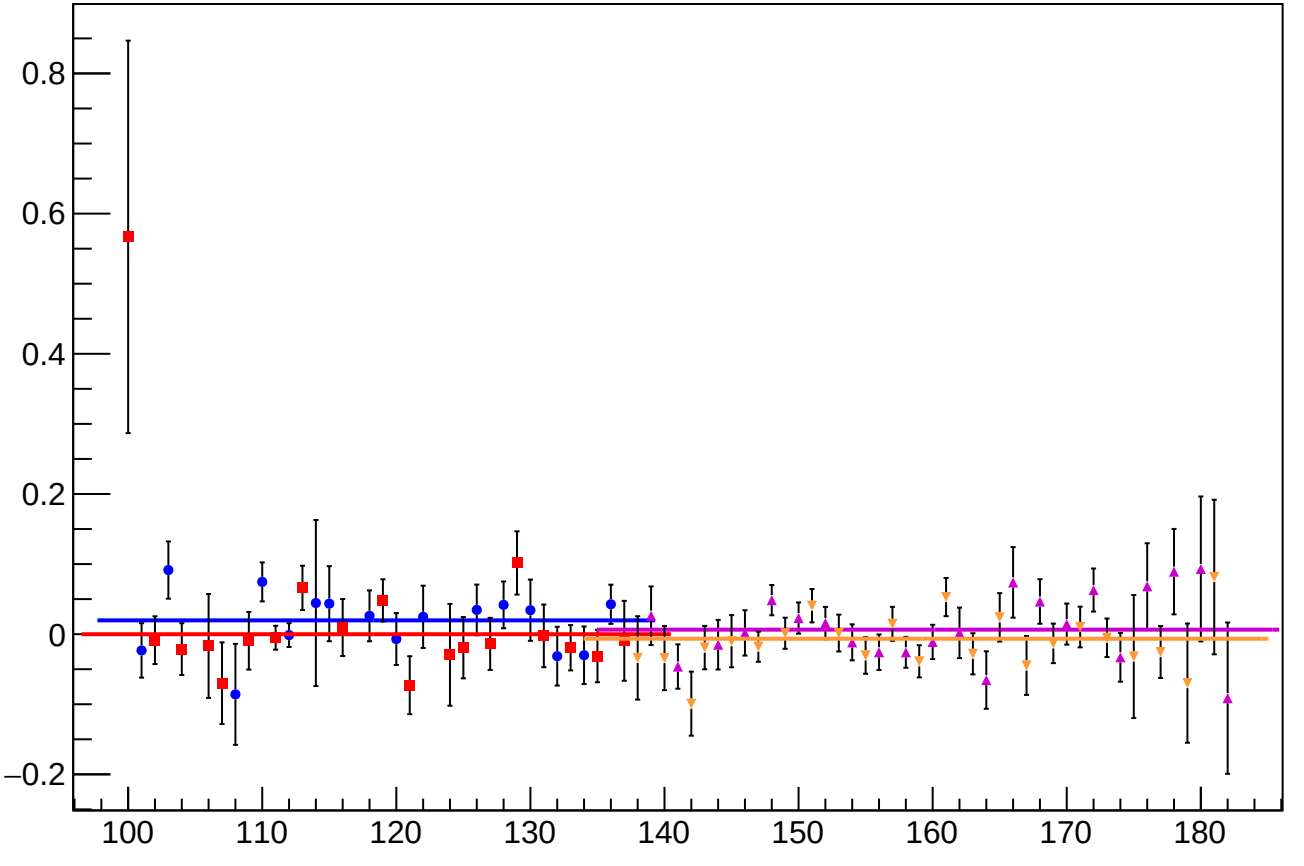
Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 24.231+/-0.004 χ^2/NDF:4755701.8/37

Out: 23.904+/-0.004 χ^2/NDF:4689960.4/41

All: 24.063+/-0.003 χ^2/NDF: 9449607.3/79

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: -0.007+/-0.006 χ^2/NDF:21.7/22

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:28.3/21

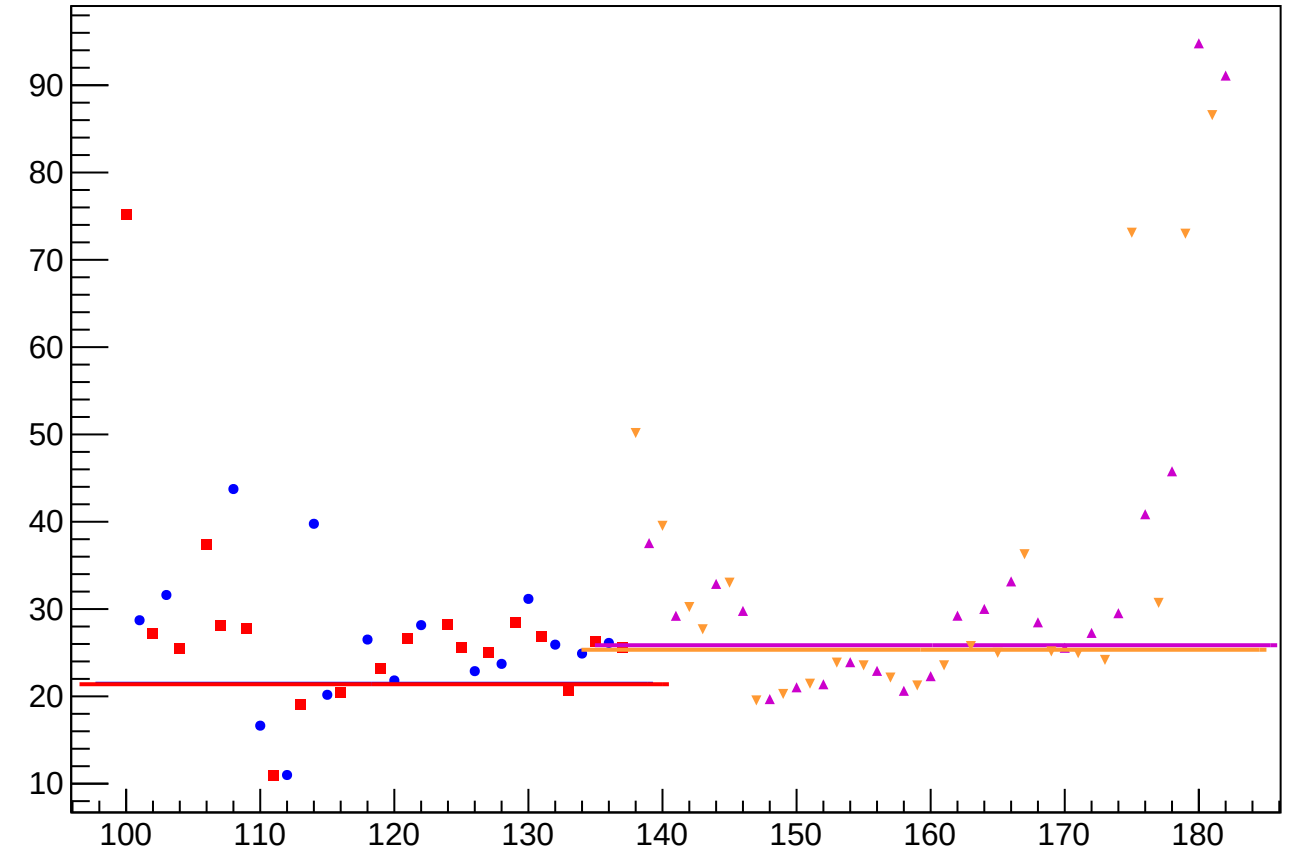
Left: -0.000+/-0.005 χ^2/NDF: 52.0/44

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:46.8/37

Out: -0.004+/-0.005 χ^2/NDF:44.9/41

All: 0.003+/-0.004 χ^2/NDF: 96.2/79



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.339+/-0.005 χ^2/NDF:3103564.0/22

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.857+/-0.005 χ^2/NDF:2888898.8/21

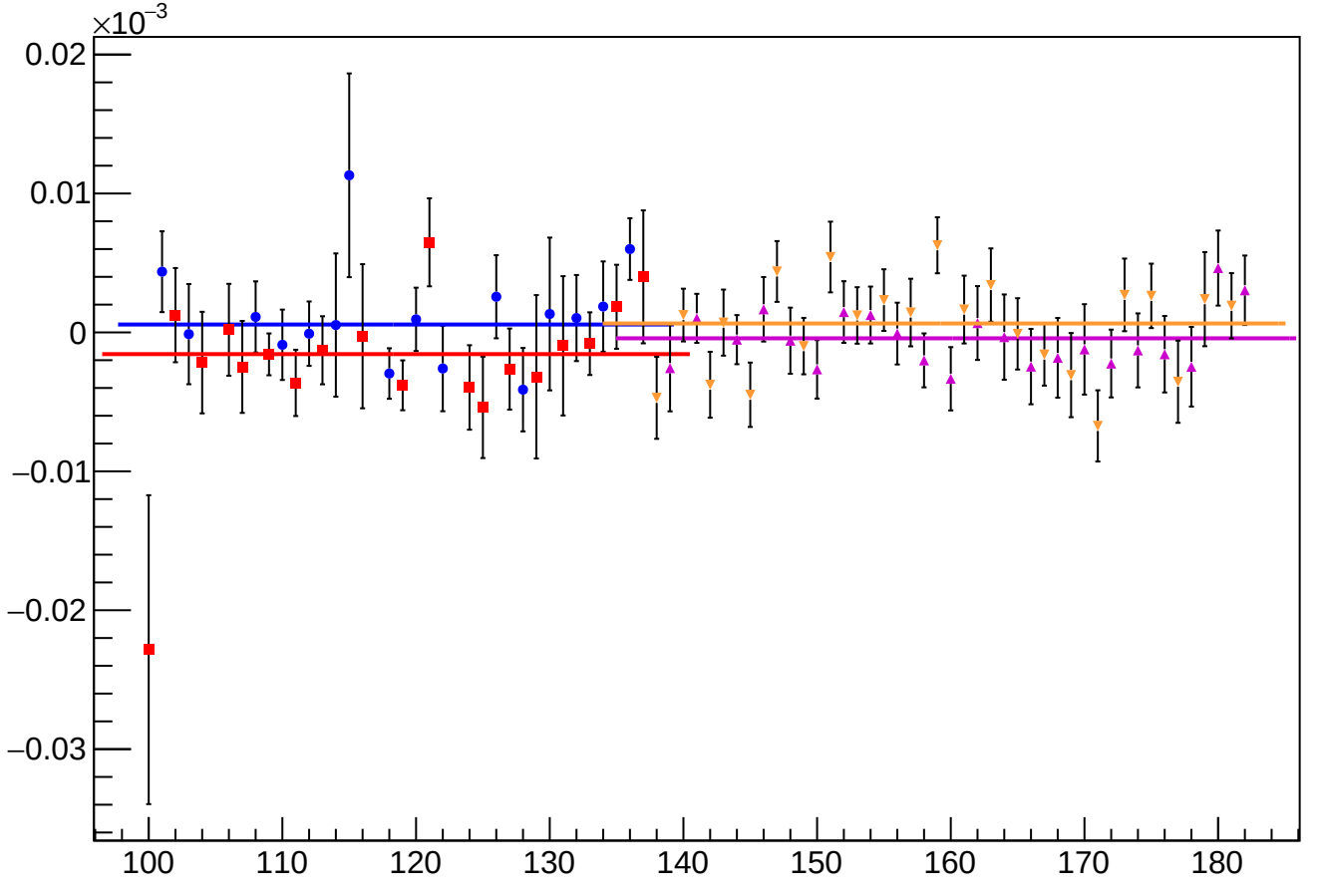
Left: 25.589+/-0.003 χ^2/NDF: 5998758.8/44

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 24.231+/-0.004 χ^2/NDF:4755701.8/37

Out: 23.904+/-0.004 χ^2/NDF:4689960.4/41

All: 24.063+/-0.003 χ^2/NDF: 9449607.3/79



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

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/22

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.6/21

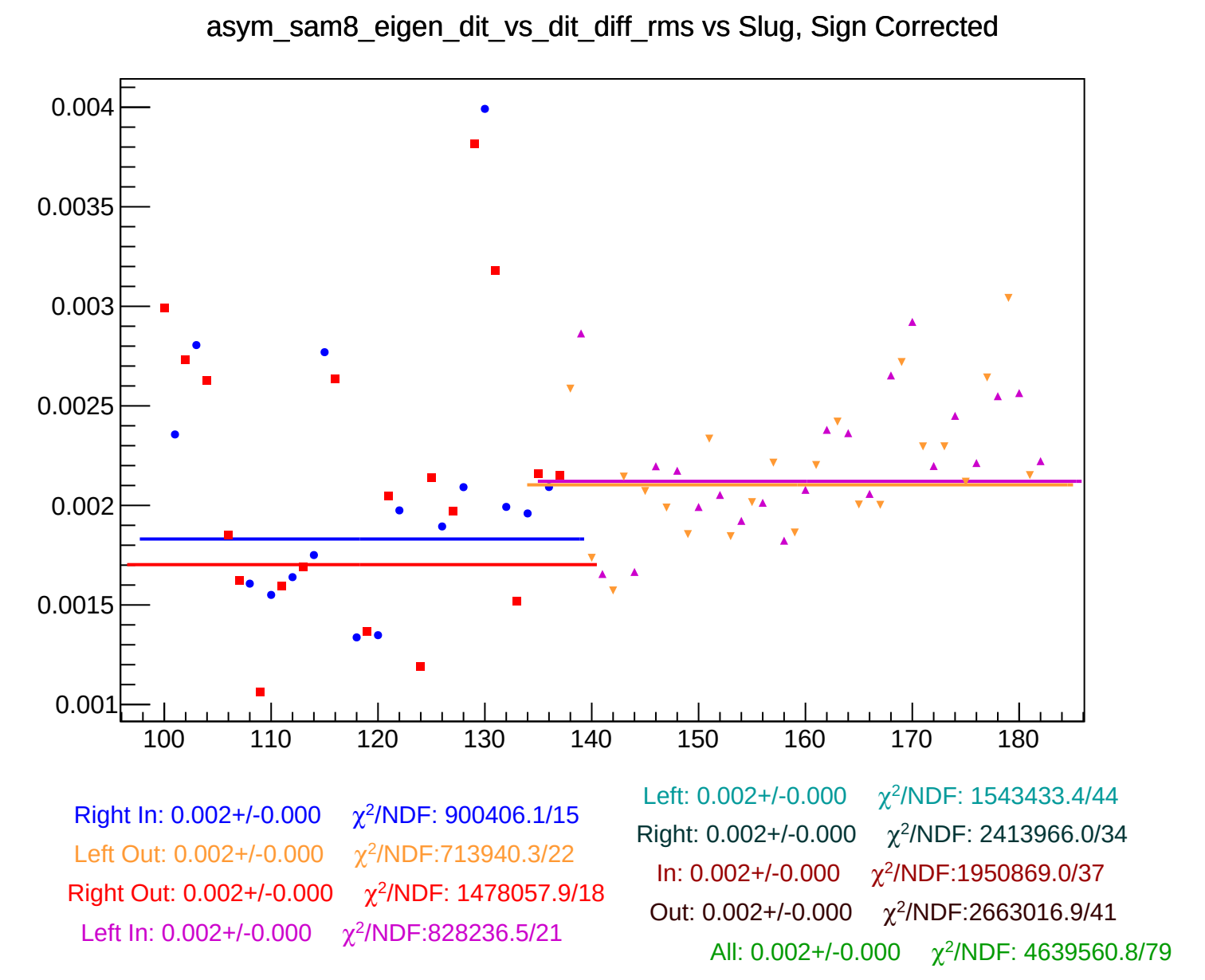
Left: 0.000+/-0.000 χ^2/NDF: 60.4/44

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:34.2/37

Out: -0.000+/-0.000 χ^2/NDF:68.9/41

All: -0.000+/-0.000 χ^2/NDF: 103.1/79


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.004
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0.0015
0.001
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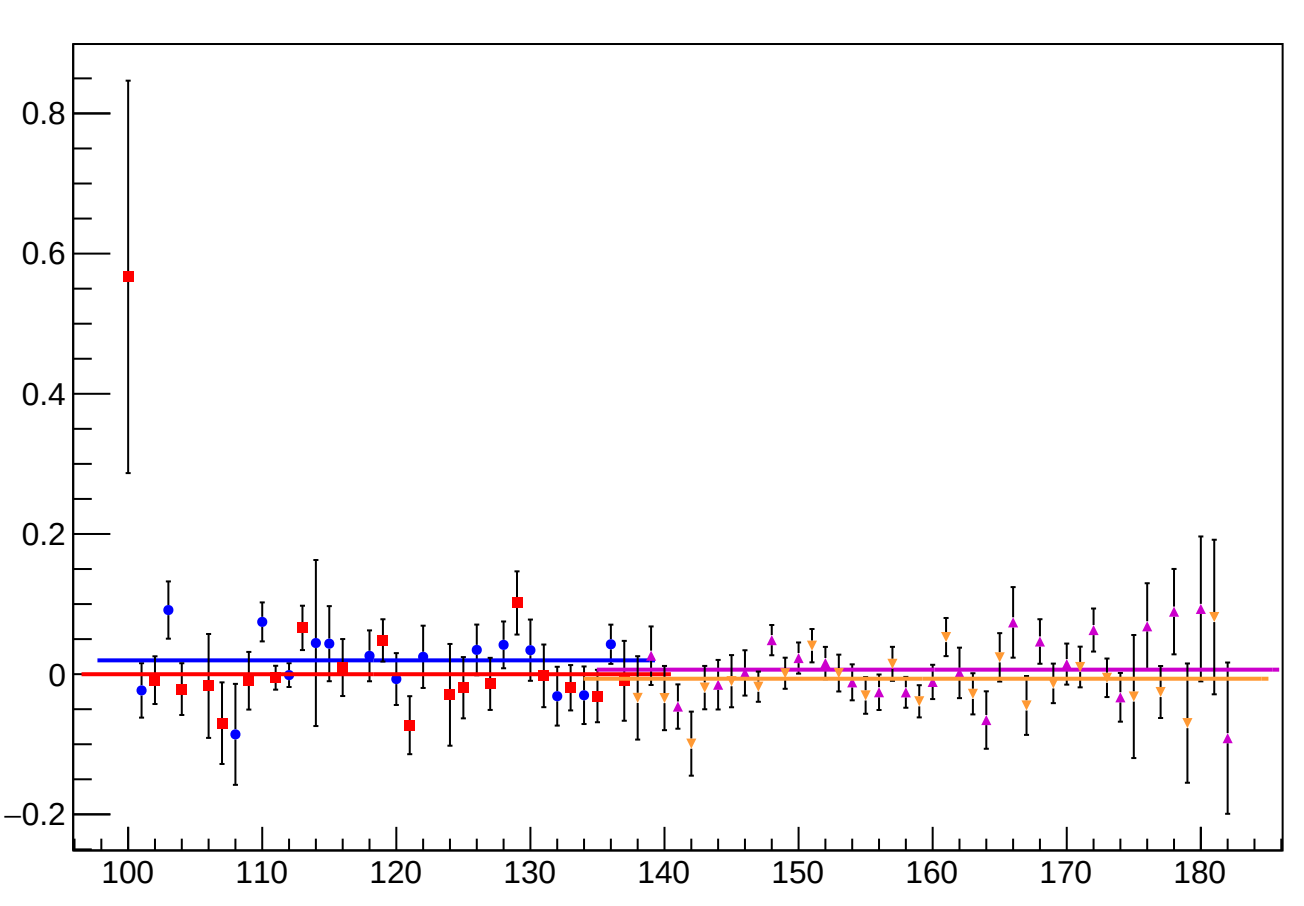
Right In: 0.002+/-0.000 χ²/NDF: 900406.1/15
Left Out: 0.002+/-0.000 χ²/NDF:713940.3/22
Right Out: 0.002+/-0.000 χ²/NDF: 1478057.9/18
Left In: 0.002+/-0.000 χ²/NDF:828236.5/21
Left: 0.002+/-0.000 χ²/NDF: 1543433.4/44
Right: 0.002+/-0.000 χ²/NDF: 2413966.0/34
In: 0.002+/-0.000 χ²/NDF:1950869.0/37
Out: 0.002+/-0.000 χ²/NDF:2663016.9/41
All: 0.002+/-0.000 χ²/NDF: 4639560.8/79



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.7/22

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:28.3/21

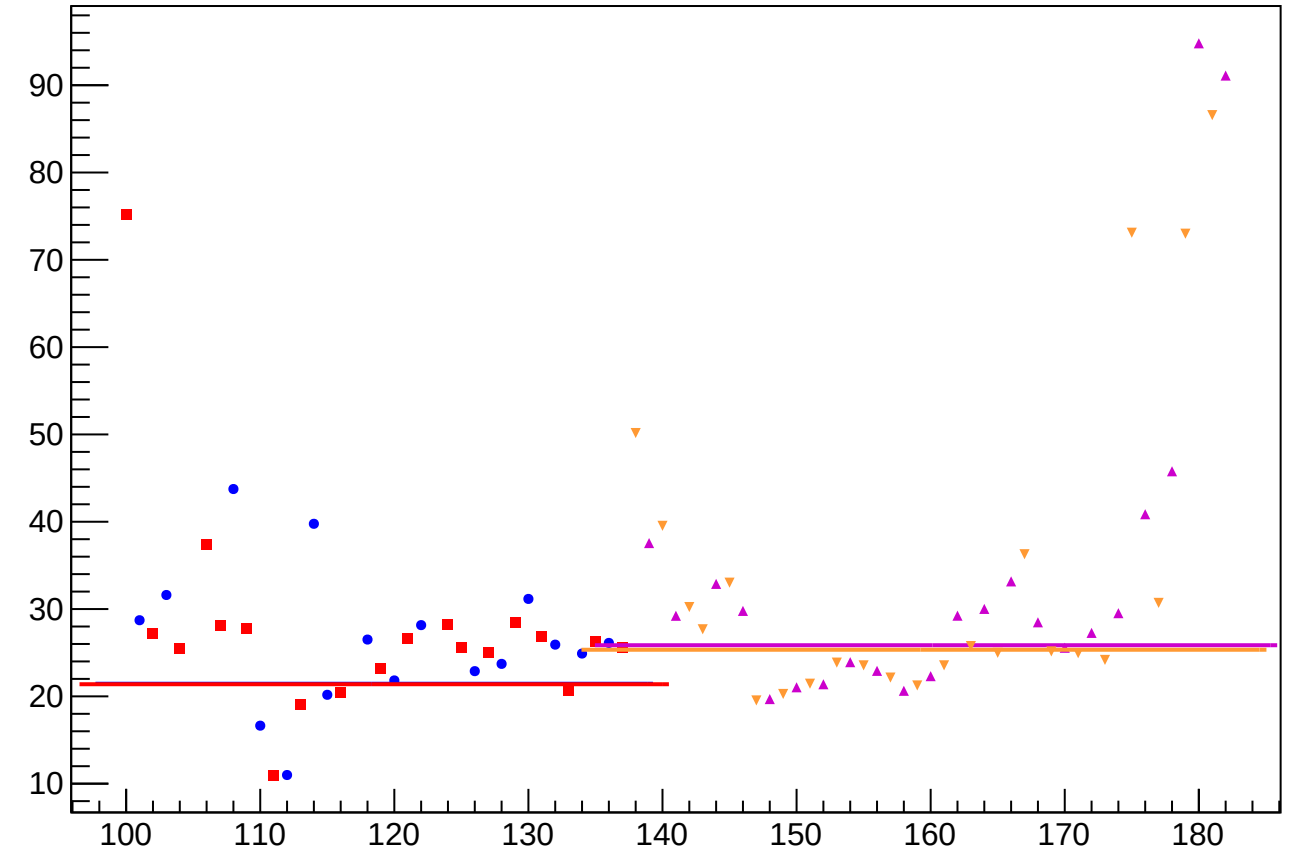
Left: -0.000+/-0.005 χ^2/NDF: 52.0/44

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:46.8/37

Out: -0.004+/-0.005 χ^2/NDF:44.9/41

All: 0.003+/-0.004 χ^2/NDF: 96.2/79



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.339+/-0.005 χ^2/NDF:3103573.9/22

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.857+/-0.005 χ^2/NDF:2888879.2/21

Left: 25.589+/-0.003 χ^2/NDF: 5998750.0/44

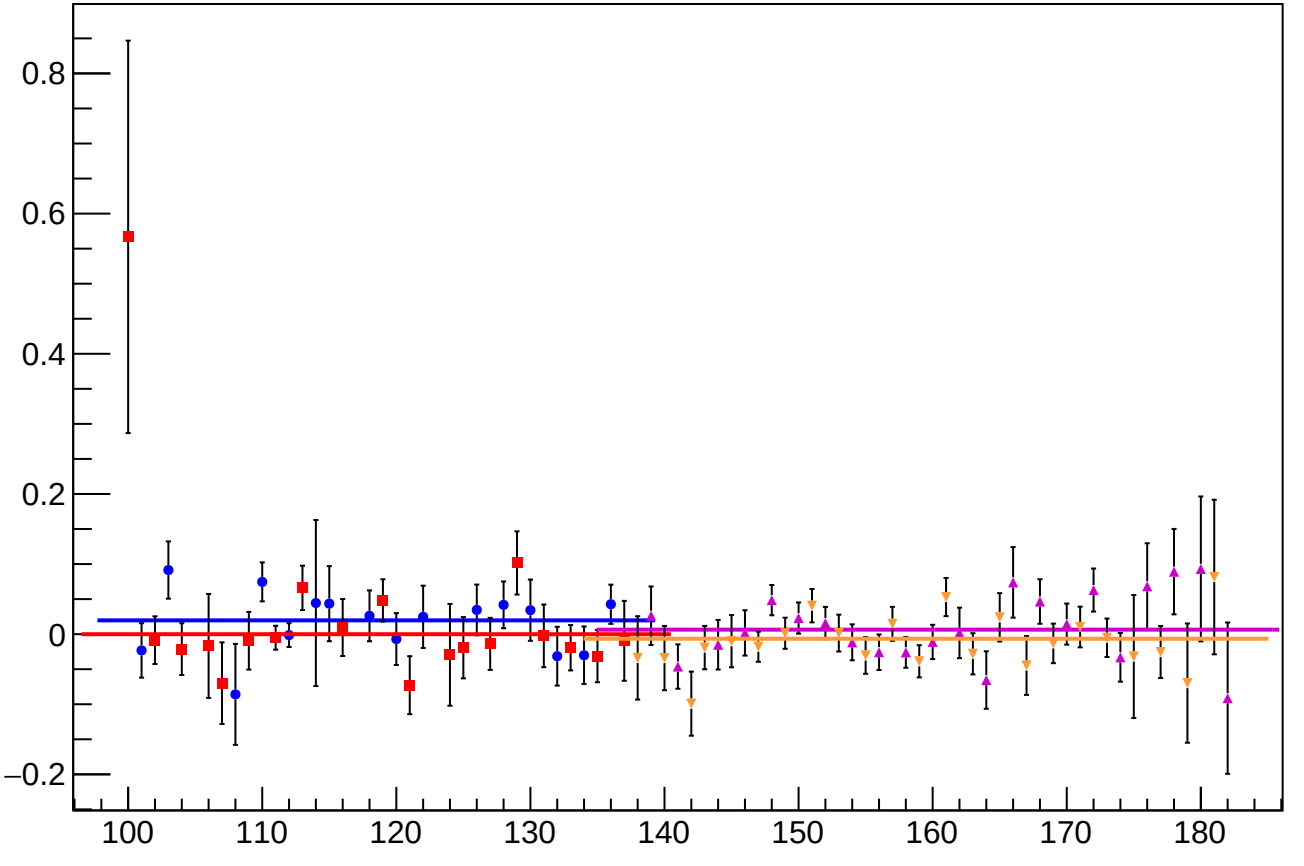
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 24.230+/-0.004 χ^2/NDF:4755957.4/37

Out: 23.904+/-0.004 χ^2/NDF:4690204.2/41

All: 24.062+/-0.003 χ^2/NDF: 9450106.7/79

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: -0.007+/-0.006 χ^2/NDF:21.7/22

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:28.3/21

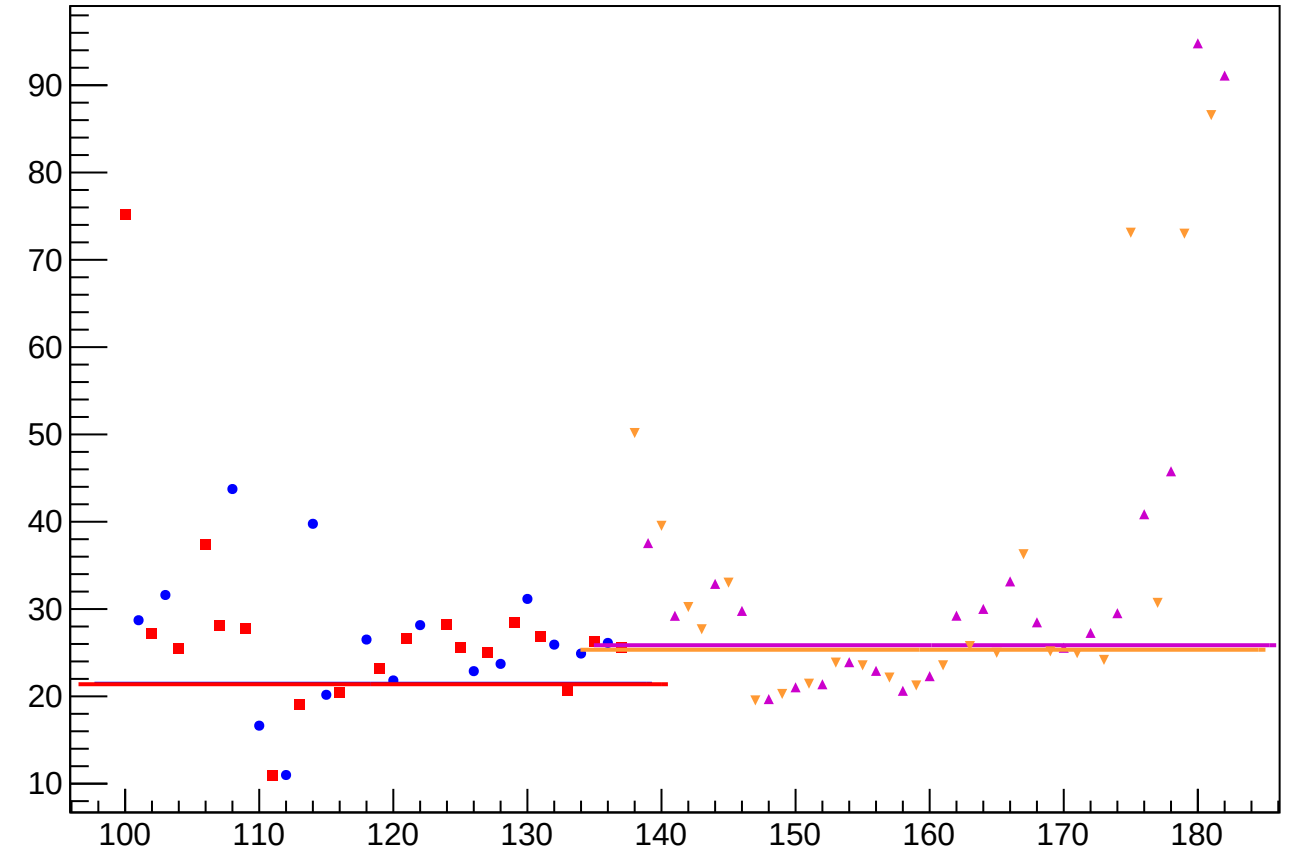
Left: -0.000+/-0.005 χ^2/NDF: 52.0/44

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:46.8/37

Out: -0.004+/-0.005 χ^2/NDF:44.9/41

All: 0.003+/-0.004 χ^2/NDF: 96.2/79



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.339+/-0.005 χ^2/NDF:3103573.9/22

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.857+/-0.005 χ^2/NDF:2888879.2/21

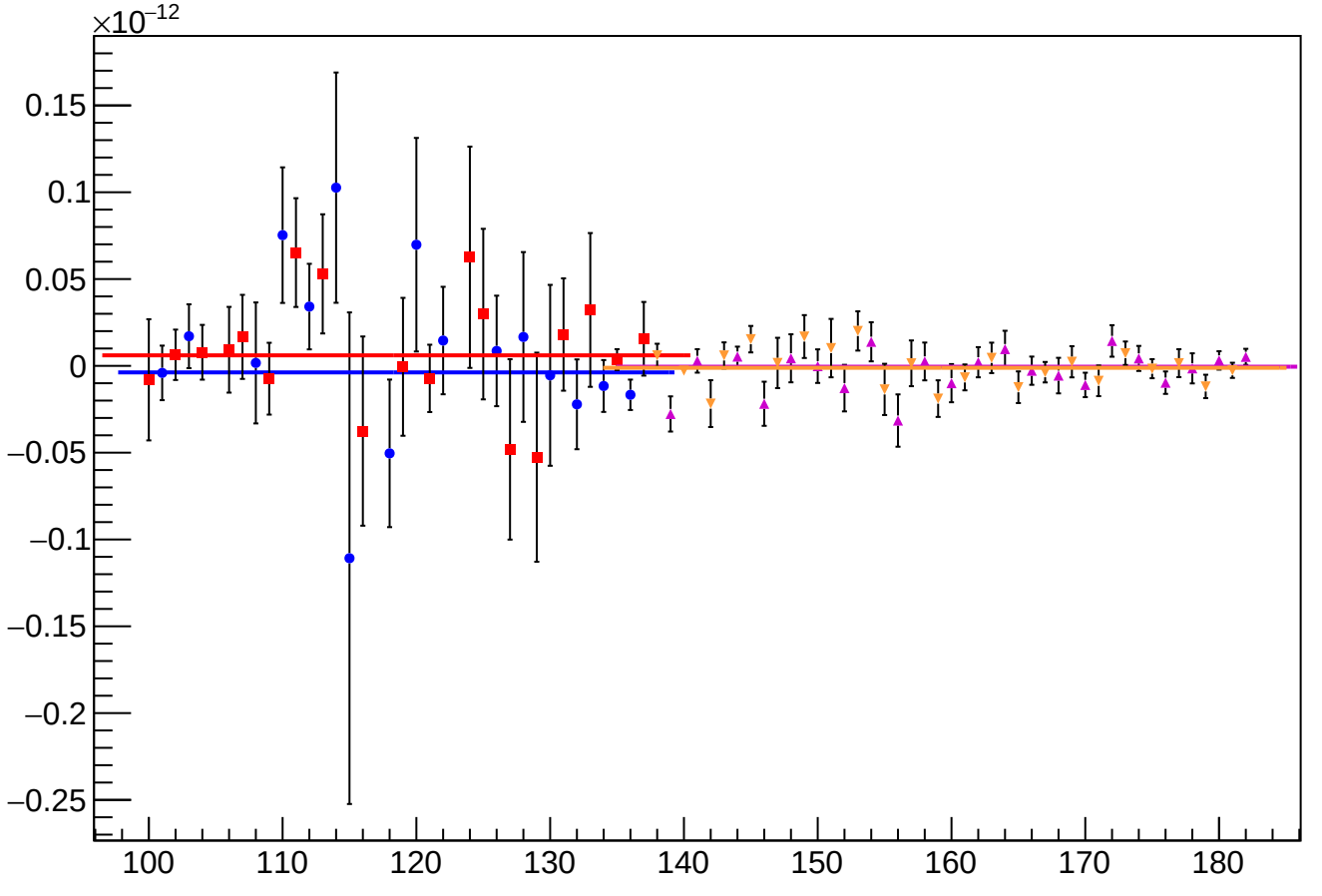
Left: 25.589+/-0.003 χ^2/NDF: 5998750.0/44

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 24.230+/-0.004 χ^2/NDF:4755957.4/37

Out: 23.904+/-0.004 χ^2/NDF:4690204.2/41

All: 24.062+/-0.003 χ^2/NDF: 9450106.7/79



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:29.7/21

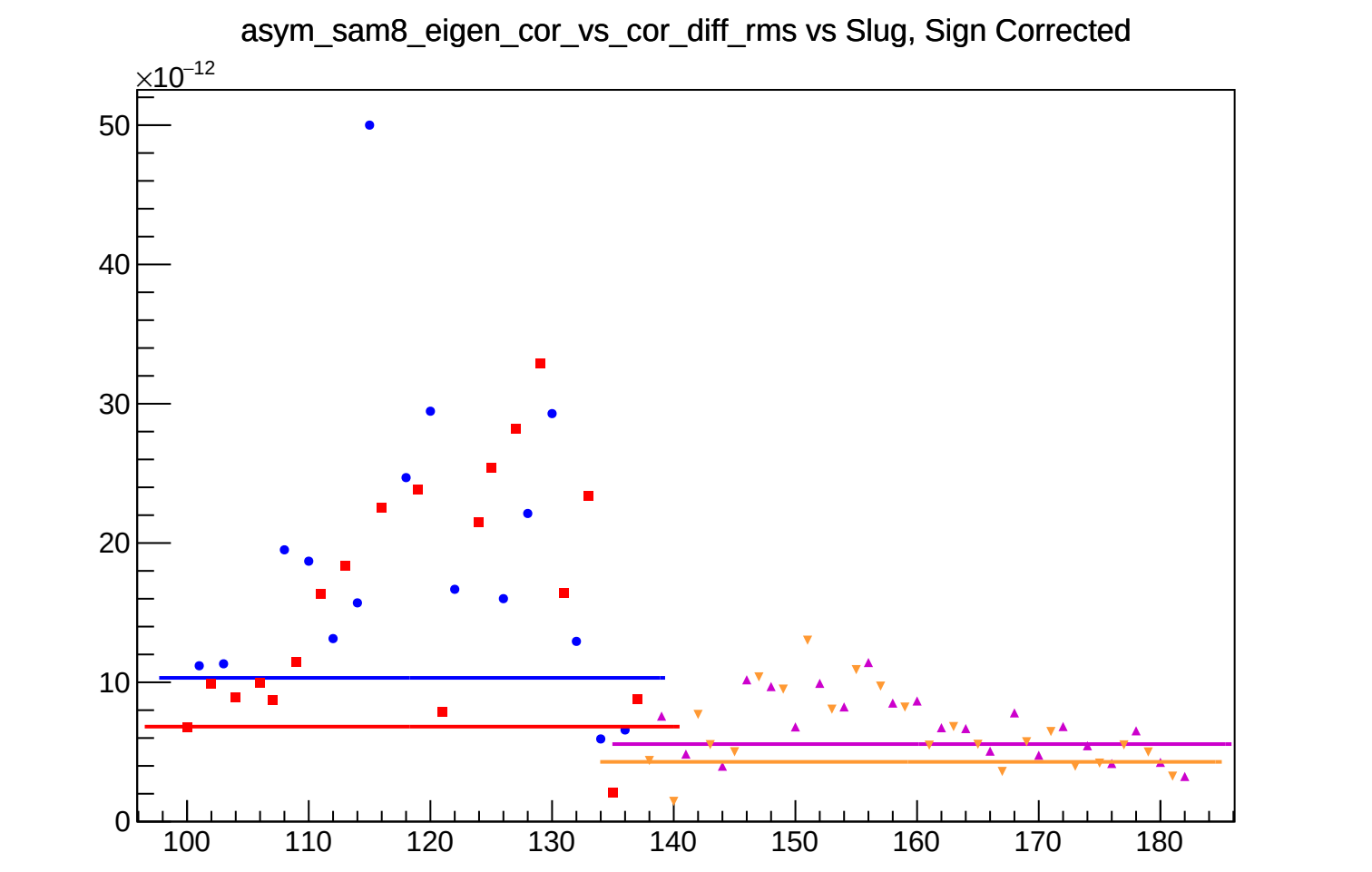
Left: -0.000+/-0.000 χ^2/NDF: 56.7/44

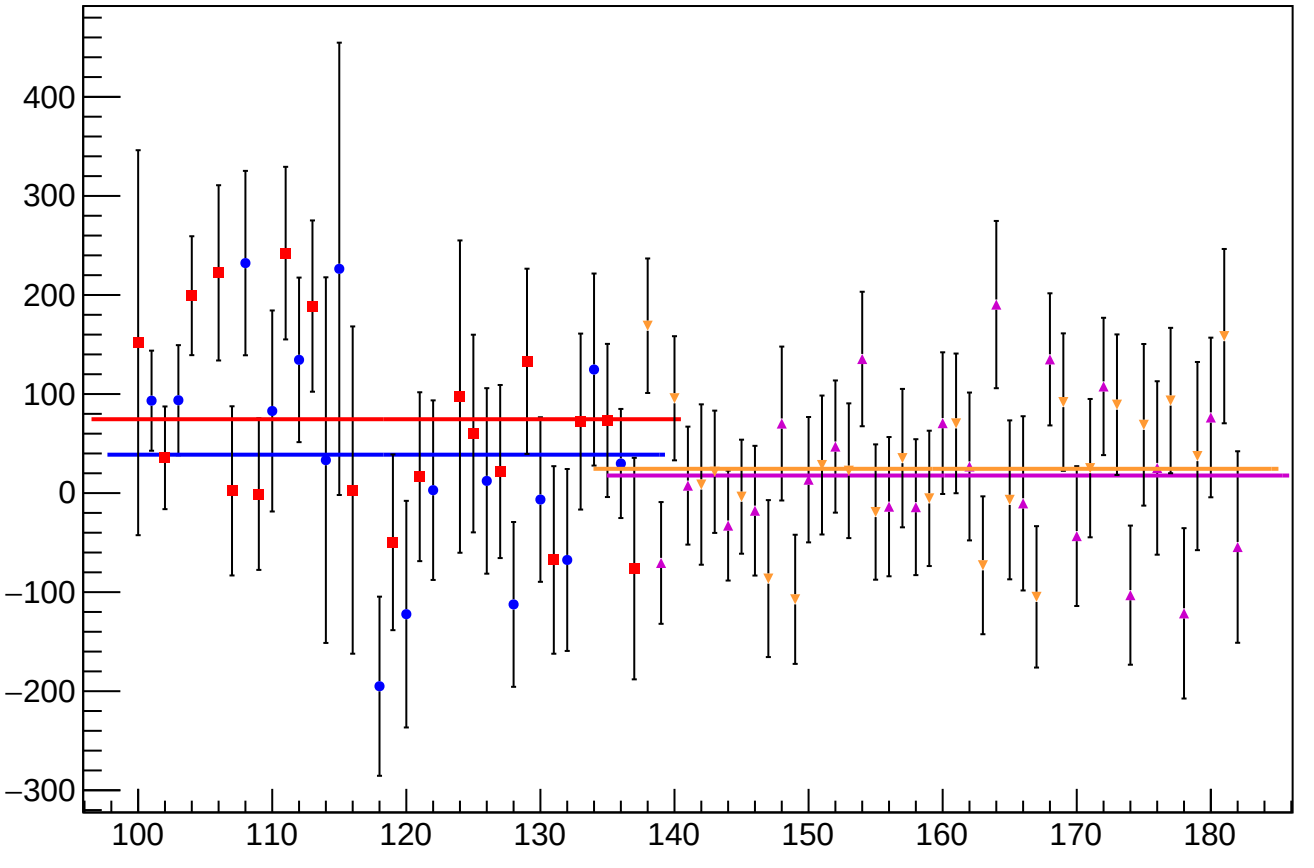
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:47.2/37

Out: -0.000+/-0.000 χ^2/NDF:40.7/41

All: -0.000+/-0.000 χ^2/NDF: 87.9/79


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:5277554.3/22
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:2633588.0/21
Left: 0.000+/-0.000 χ²/NDF: 8549702.9/44
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:5946903.6/37
Out: 0.000+/-0.000 χ²/NDF:9910218.4/41
All: 0.000+/-0.000 χ²/NDF: 16758606.0/79



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 24.514+/-14.773 χ^2/NDF:23.9/22

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 17.742+/-15.103 χ^2/NDF:24.3/21

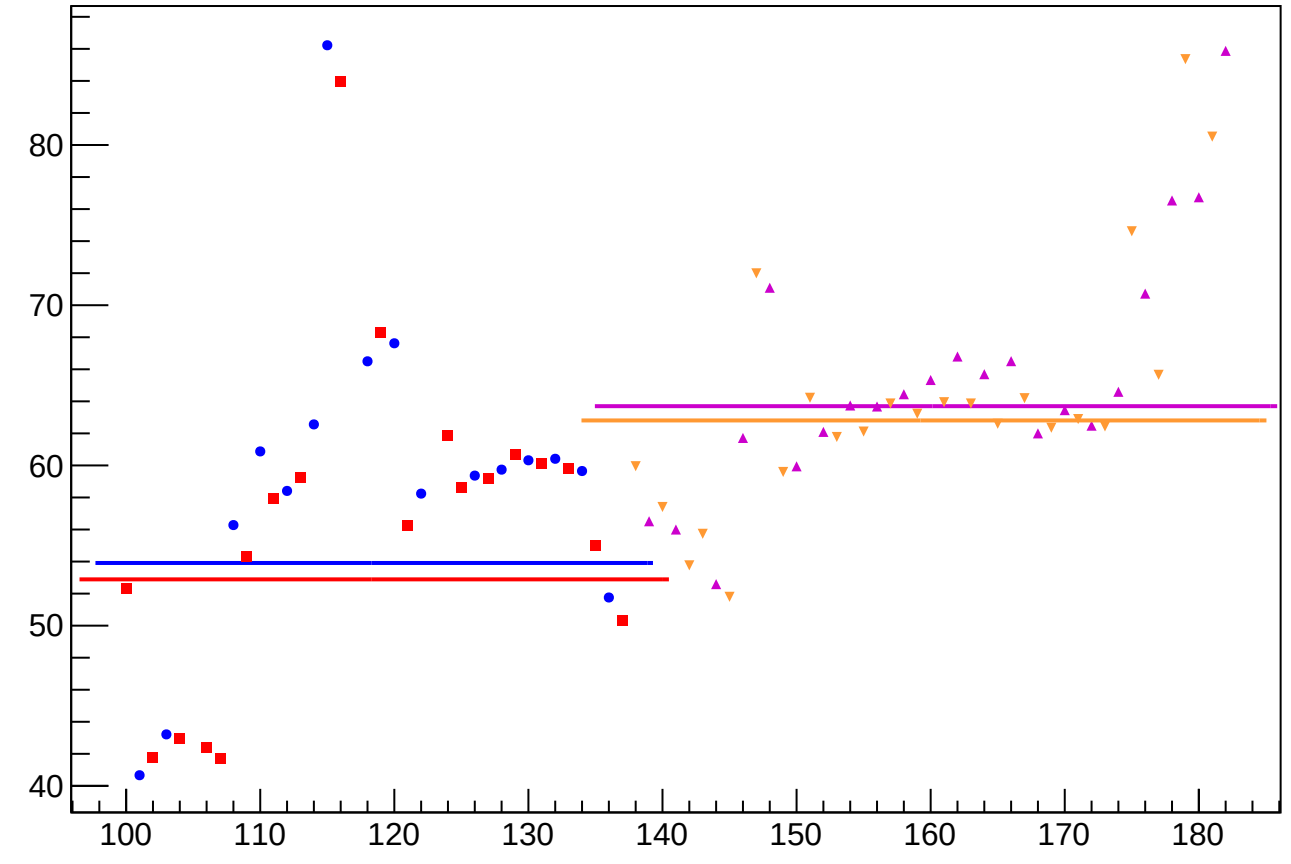
Left: 21.203+/-10.561 χ^2/NDF: 48.3/44

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 25.185+/-12.141 χ^2/NDF:48.3/37

Out: 42.415+/-11.841 χ^2/NDF:50.4/41

All: 34.016+/-8.477 χ^2/NDF: 99.8/79



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 62.808+/-0.010 χ^2/NDF:417072.2/22

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 63.699+/-0.011 χ^2/NDF:394225.8/21

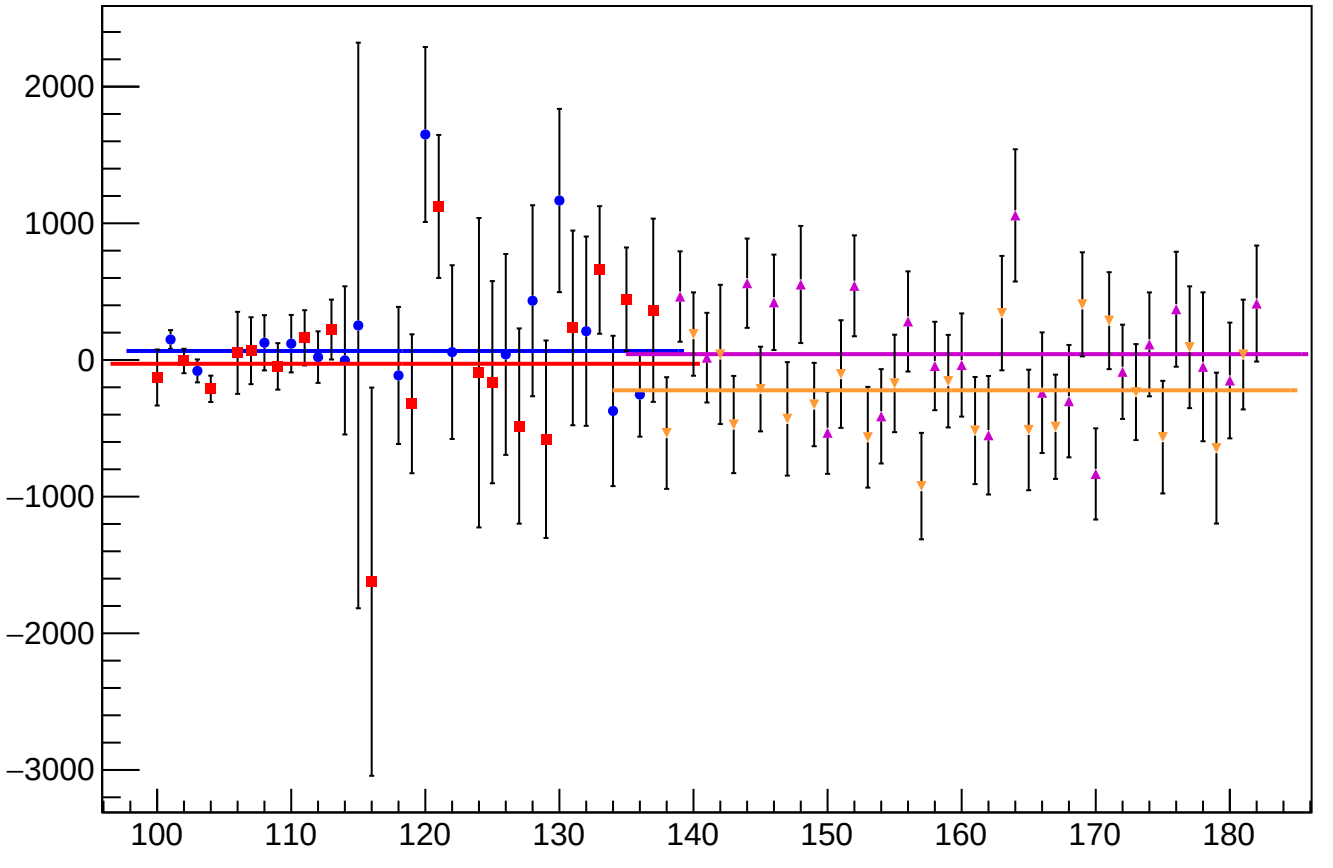
Left: 63.244+/-0.007 χ^2/NDF: 814851.0/44

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 60.237+/-0.009 χ^2/NDF:1084568.4/37

Out: 59.262+/-0.008 χ^2/NDF:1164726.8/41

All: 59.737+/-0.006 χ^2/NDF: 2255908.1/79



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -221.918+/-79.047 χ^2/NDF:18.1/22

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 42.703+/-79.714 χ^2/NDF:30.6/21

Left: -90.720+/-56.129 χ^2/NDF: 54.3/44

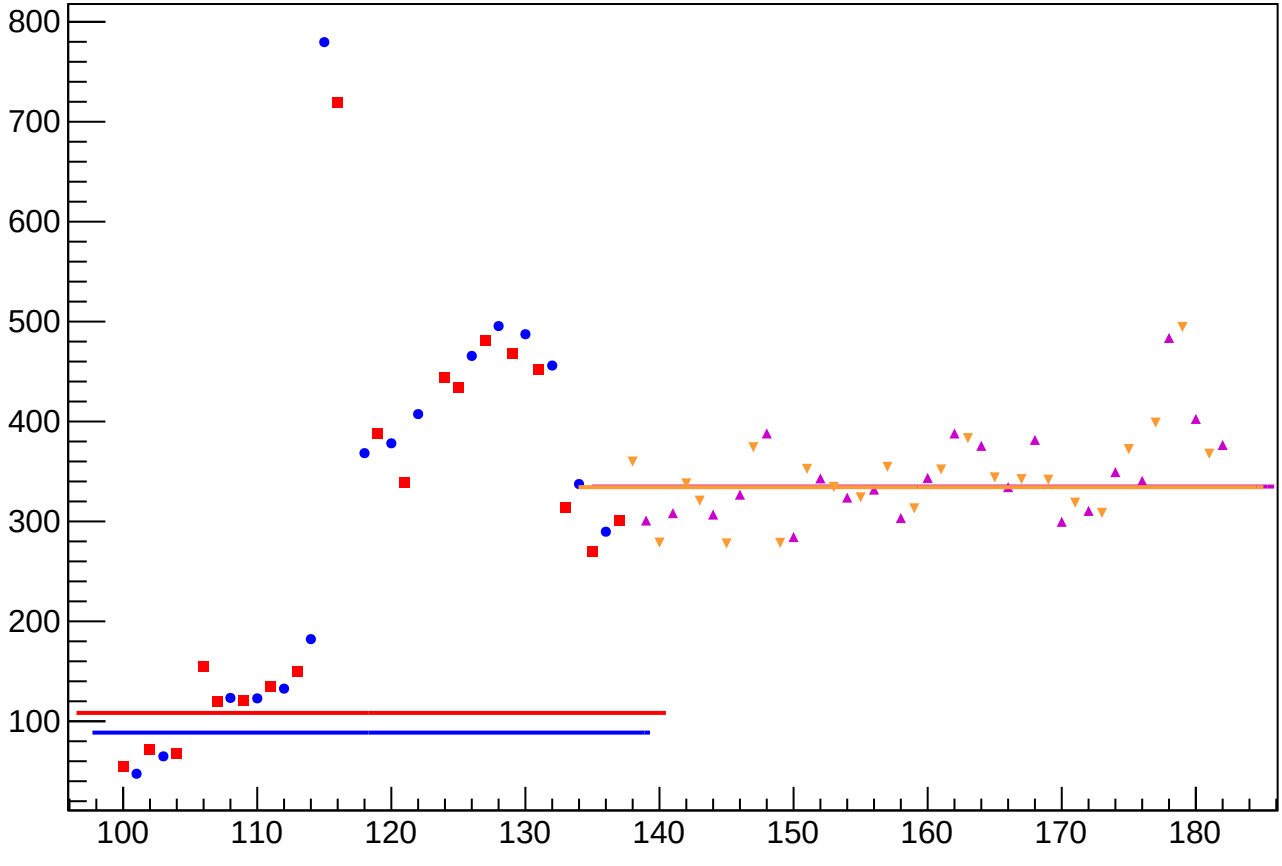
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 59.980+/-40.152 χ^2/NDF:46.4/37

Out: -83.770+/-42.432 χ^2/NDF:40.4/41

All: -7.930+/-29.164 χ^2/NDF: 92.8/79

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: 334.299+/-0.056 χ^2/NDF:537984.5/22

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 334.903+/-0.056 χ^2/NDF:485463.1/21

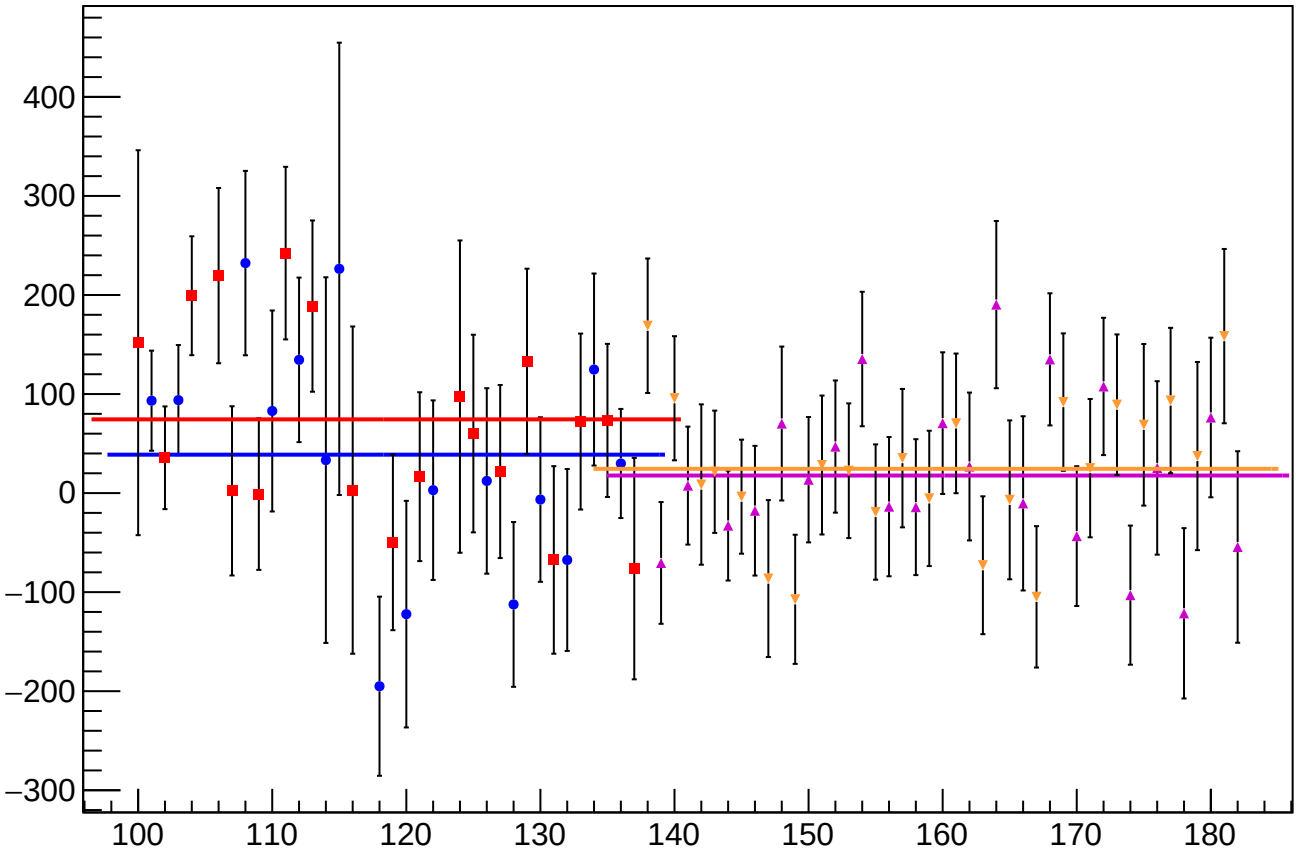
Left: 334.598+/-0.040 χ^2/NDF: 1023505.5/44

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 151.133+/-0.028 χ^2/NDF:21376436.3/37

Out: 173.481+/-0.030 χ^2/NDF:17529760.9/41

All: 161.690+/-0.021 χ^2/NDF: 39198907.5/79



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 24.516+/-14.773 χ^2/NDF:23.9/22

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 17.742+/-15.103 χ^2/NDF:24.3/21

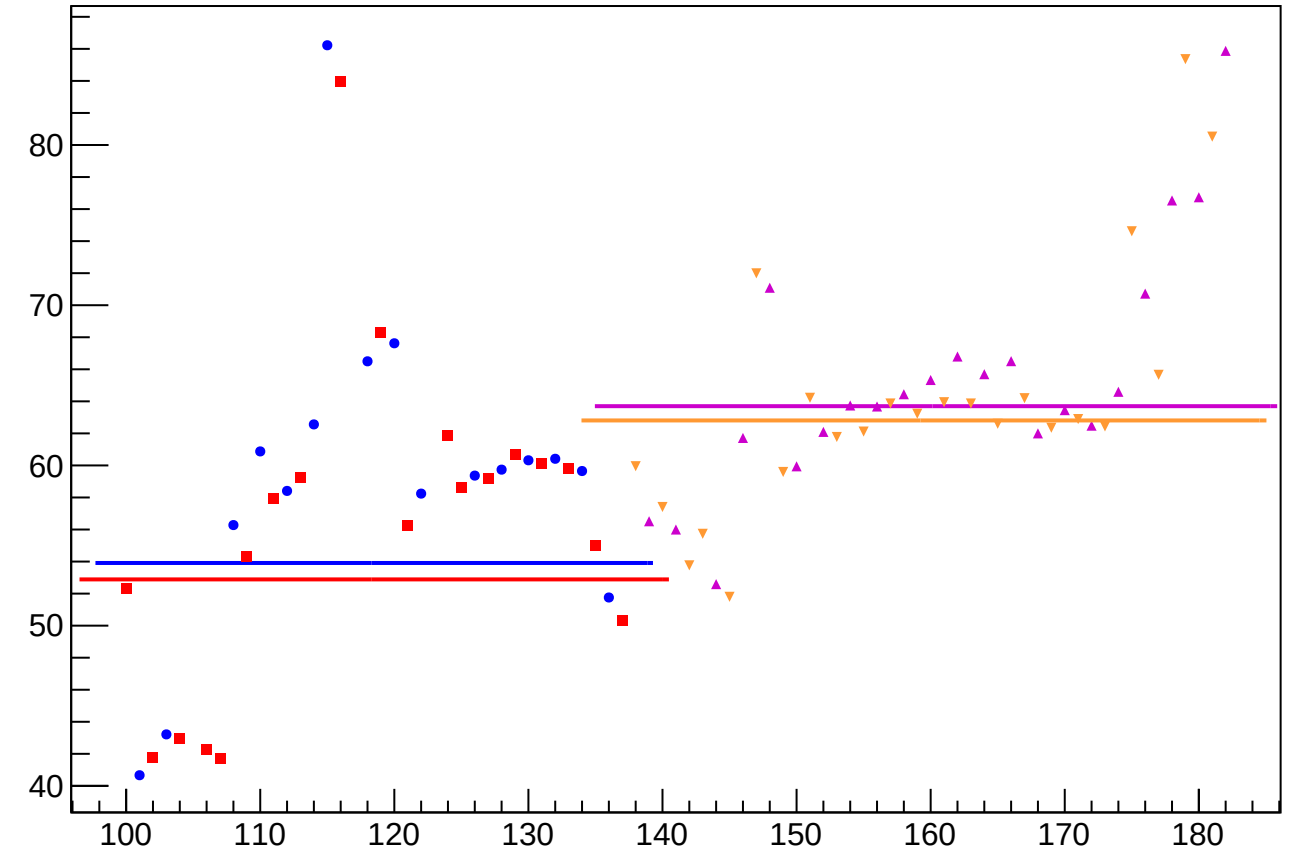
Left: 21.204+/-10.561 χ^2/NDF: 48.3/44

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 25.189+/-12.141 χ^2/NDF:48.3/37

Out: 42.365+/-11.841 χ^2/NDF:50.3/41

All: 33.992+/-8.477 χ^2/NDF: 99.6/79



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 62.808+/-0.010 χ^2/NDF:417072.2/22

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 63.699+/-0.011 χ^2/NDF:394225.9/21

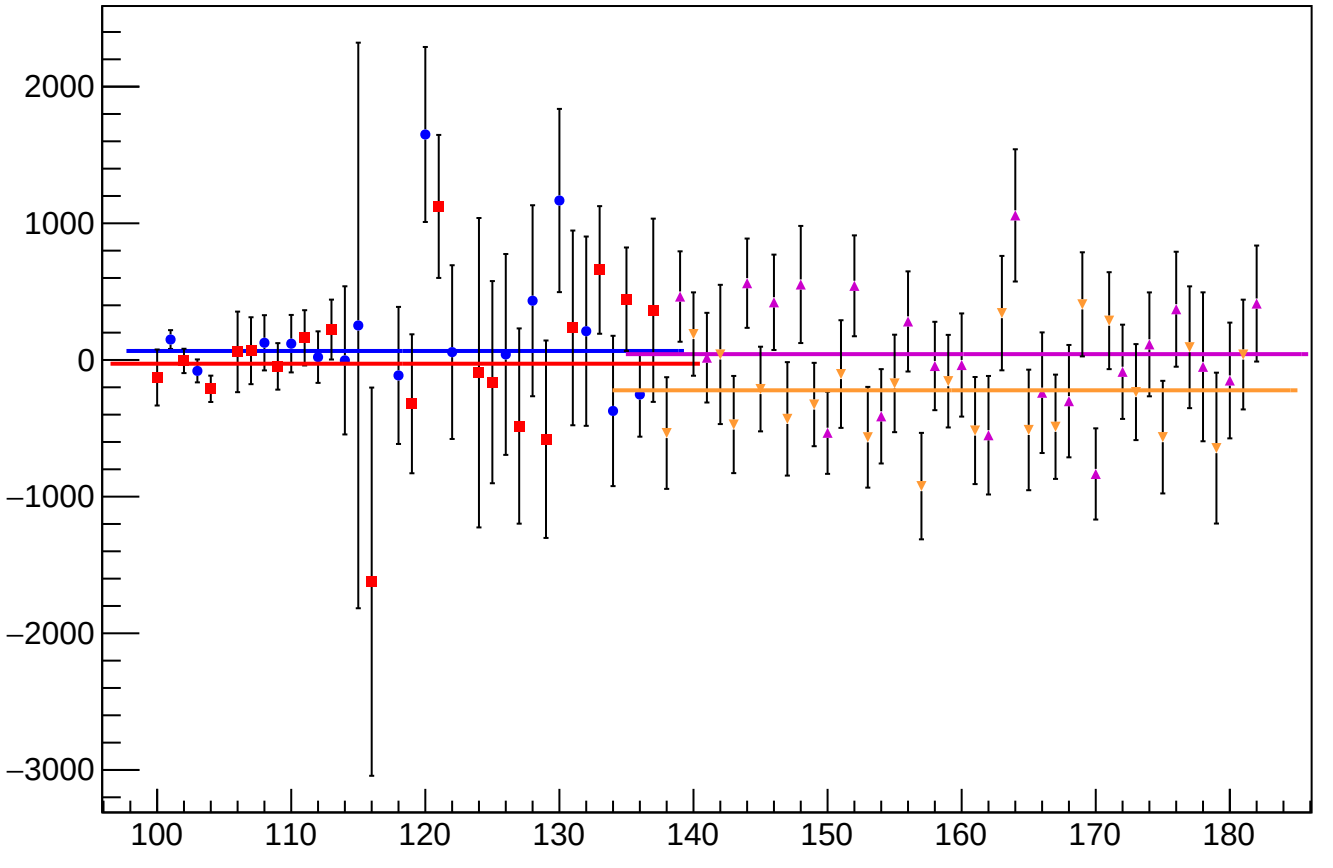
Left: 63.244+/-0.007 χ^2/NDF: 814851.0/44

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 60.237+/-0.009 χ^2/NDF:1084567.3/37

Out: 59.261+/-0.008 χ^2/NDF:1165151.1/41

All: 59.737+/-0.006 χ^2/NDF: 2256337.7/79



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -221.916+/-79.047 χ^2/NDF:18.1/22

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 42.700+/-79.714 χ^2/NDF:30.6/21

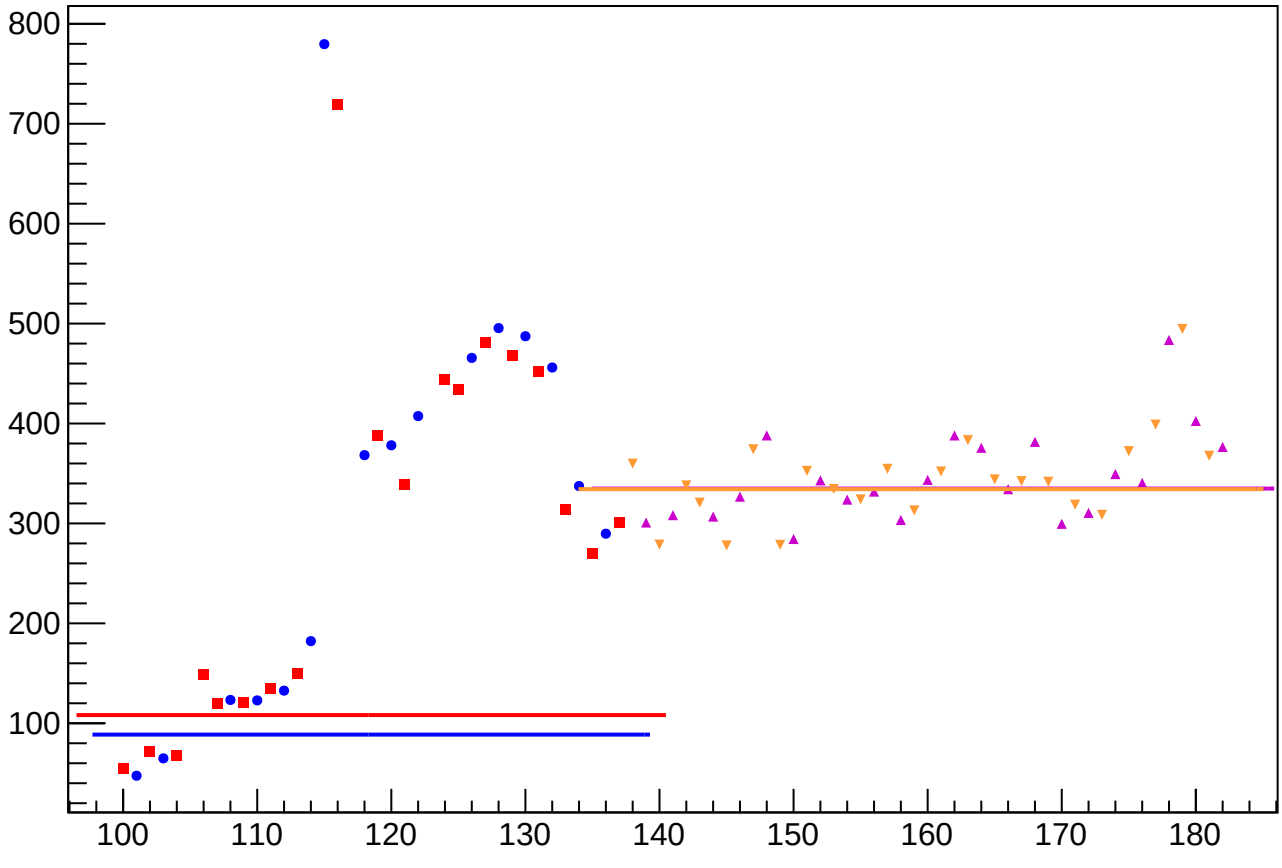
Left: -90.721+/-56.129 χ^2/NDF: 54.3/44

Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 59.982+/-40.151 χ^2/NDF:46.4/37

Out: -83.385+/-42.406 χ^2/NDF:40.4/41

All: -7.789+/-29.156 χ^2/NDF: 92.8/79



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 334.299+/-0.056 χ^2/NDF:537981.2/22

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 334.902+/-0.056 χ^2/NDF:485468.8/21

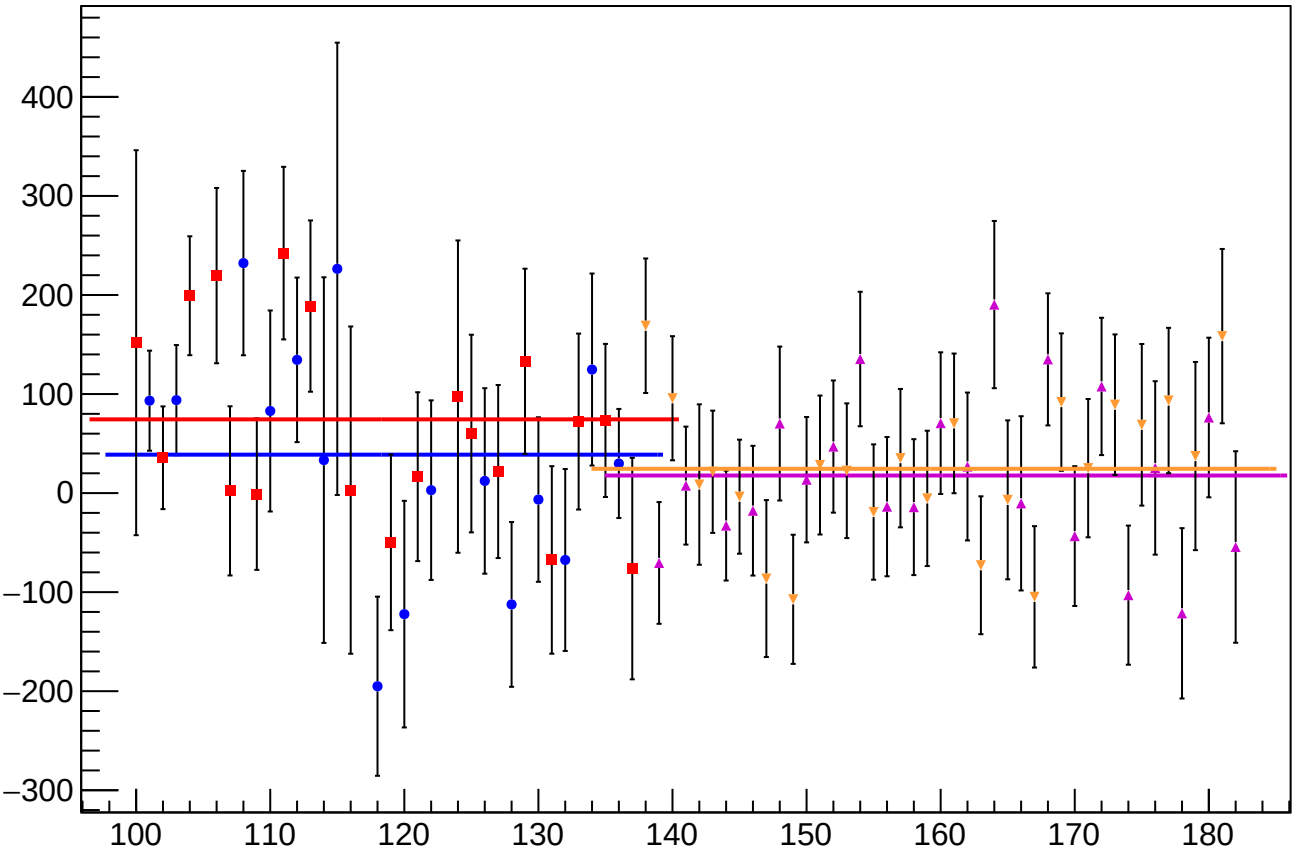
Left: 334.598+/-0.040 χ^2/NDF: 1023507.8/44

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 151.129+/-0.028 χ^2/NDF:21376961.2/37

Out: 173.275+/-0.030 χ^2/NDF:17545887.2/41

All: 161.598+/-0.021 χ^2/NDF: 39210478.4/79



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 24.516+/-14.773 χ^2/NDF:23.9/22

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 17.742+/-15.103 χ^2/NDF:24.3/21

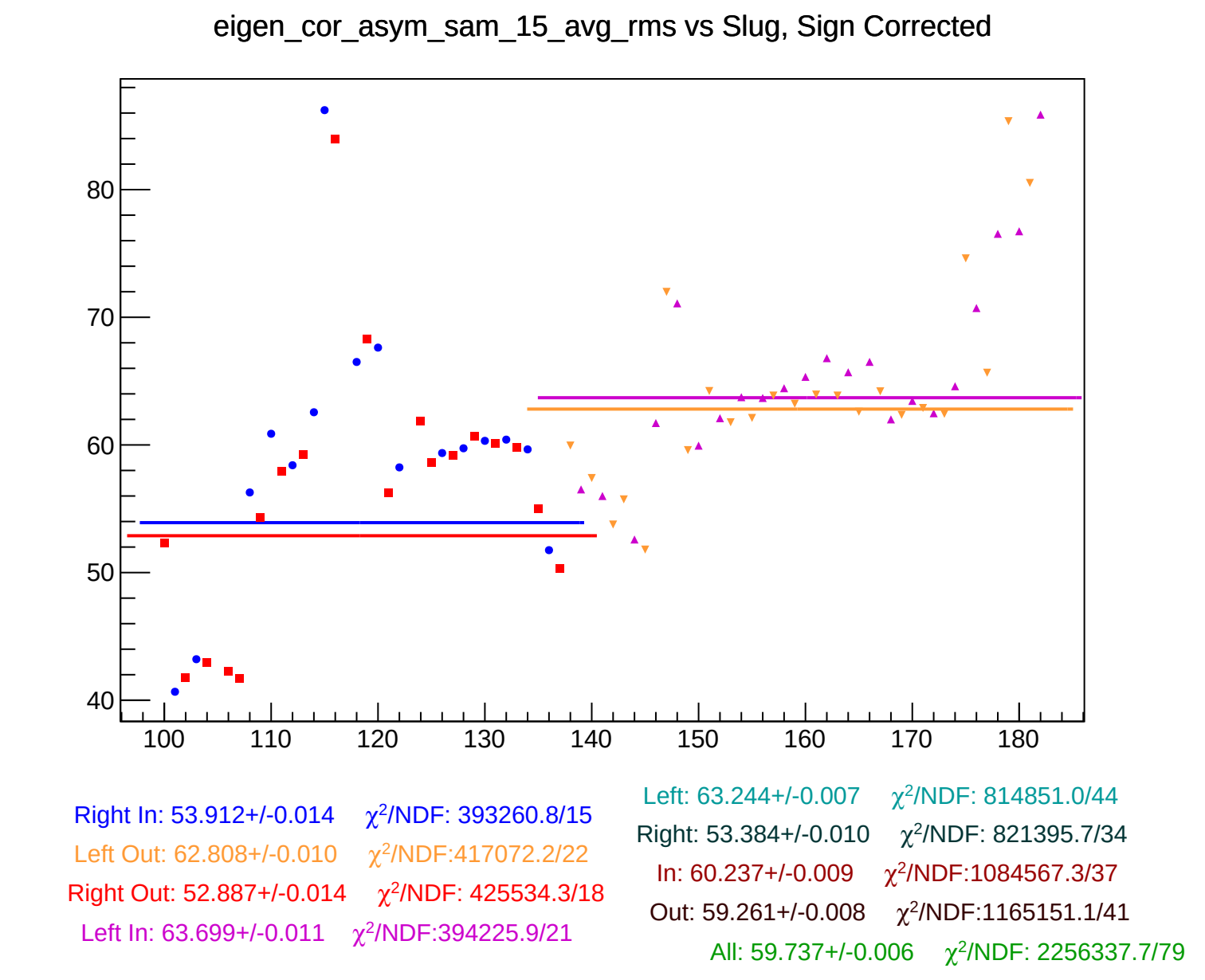
Left: 21.204+/-10.561 χ^2/NDF: 48.3/44

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 25.189+/-12.141 χ^2/NDF:48.3/37

Out: 42.365+/-11.841 χ^2/NDF:50.3/41

All: 33.992+/-8.477 χ^2/NDF: 99.6/79


eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
50
40
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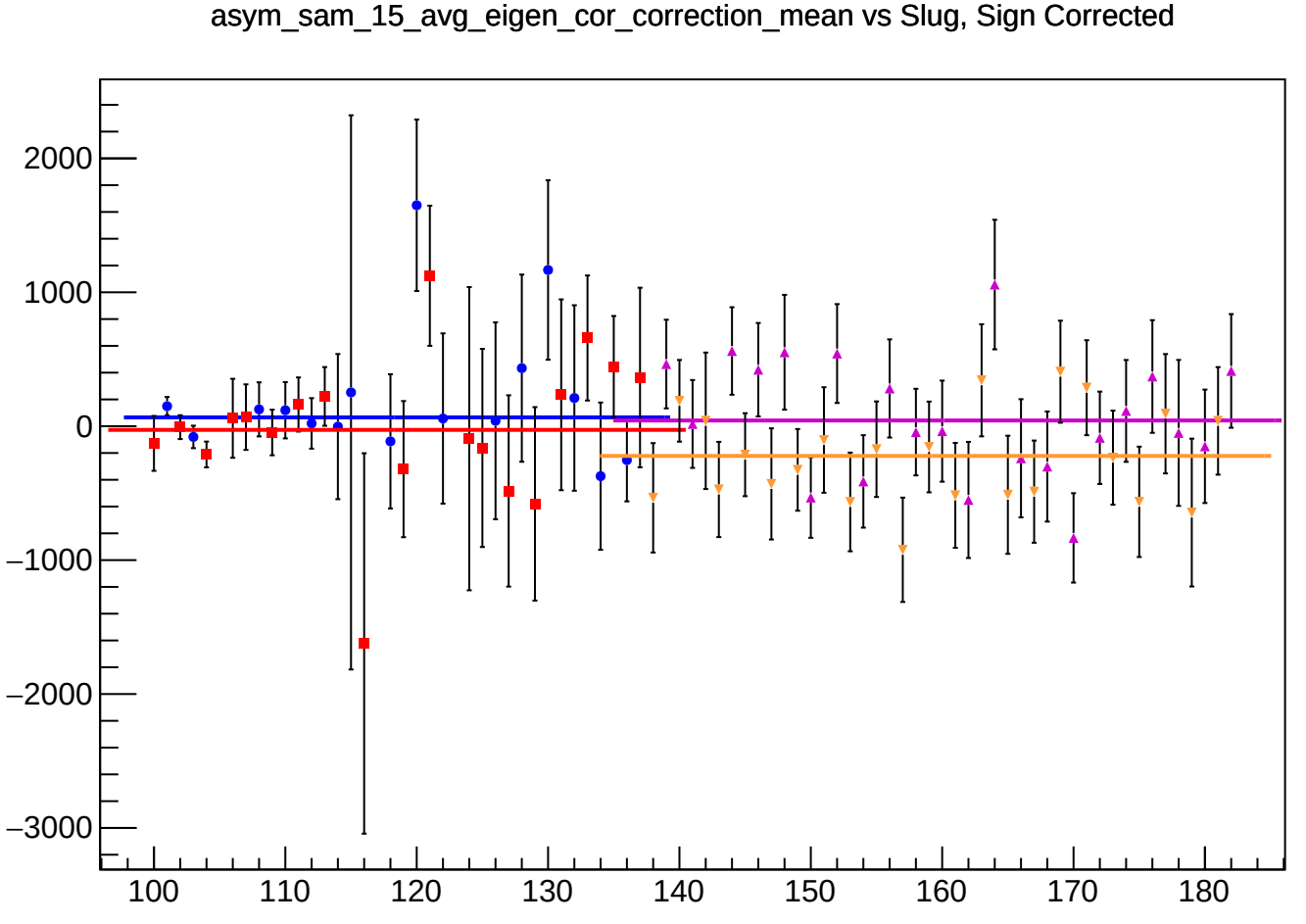
130
140
150
160
170
180
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 62.808+/-0.010 χ²/NDF:417072.2/22
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 63.699+/-0.011 χ²/NDF:394225.9/21
Left: 63.244+/-0.007 χ²/NDF: 814851.0/44
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 60.237+/-0.009 χ²/NDF:1084567.3/37
Out: 59.261+/-0.008 χ²/NDF:1165151.1/41
All: 59.737+/-0.006 χ²/NDF: 2256337.7/79



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -221.916+/-79.047 χ^2/NDF:18.1/22

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 42.700+/-79.714 χ^2/NDF:30.6/21

Left: -90.721+/-56.129 χ^2/NDF: 54.3/44

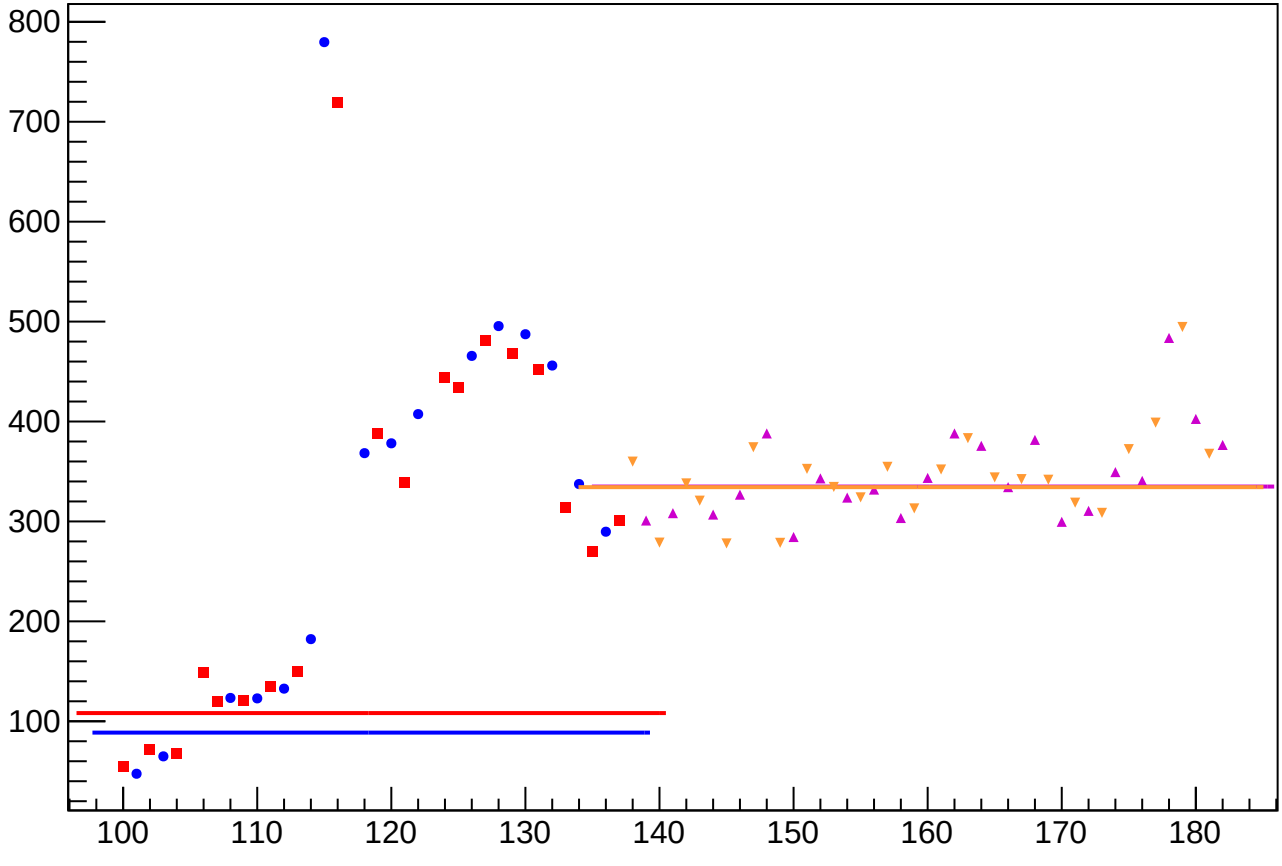
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 59.982+/-40.151 χ^2/NDF:46.4/37

Out: -83.385+/-42.406 χ^2/NDF:40.4/41

All: -7.789+/-29.156 χ^2/NDF: 92.8/79

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: 334.299+/-0.056 χ^2/NDF:537981.2/22

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 334.902+/-0.056 χ^2/NDF:485468.8/21

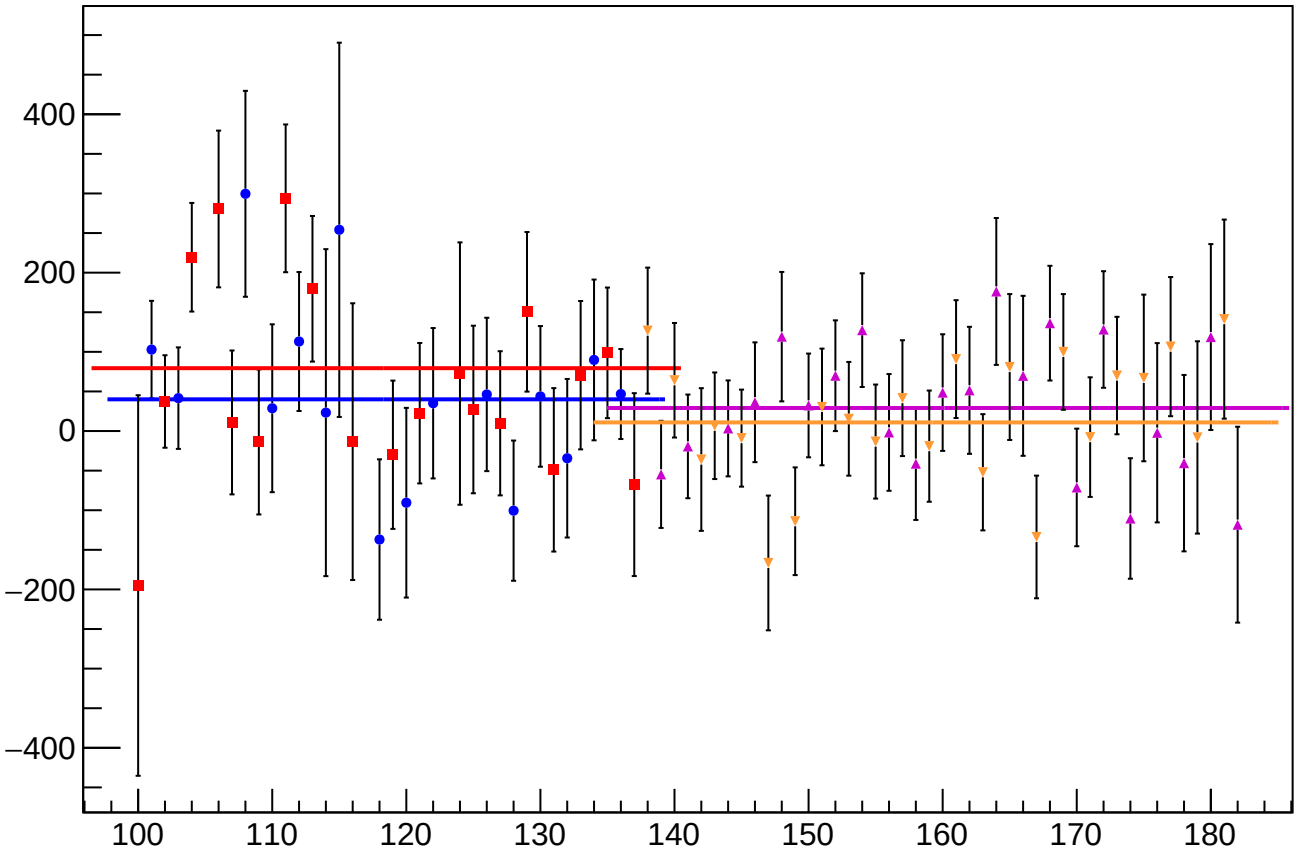
Left: 334.598+/-0.040 χ^2/NDF: 1023507.8/44

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 151.129+/-0.028 χ^2/NDF:21376961.2/37

Out: 173.275+/-0.030 χ^2/NDF:17545887.2/41

All: 161.598+/-0.021 χ^2/NDF: 39210478.4/79



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 10.884+/-16.177 χ^2/NDF:22.0/22

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 29.116+/-16.568 χ^2/NDF:21.3/21

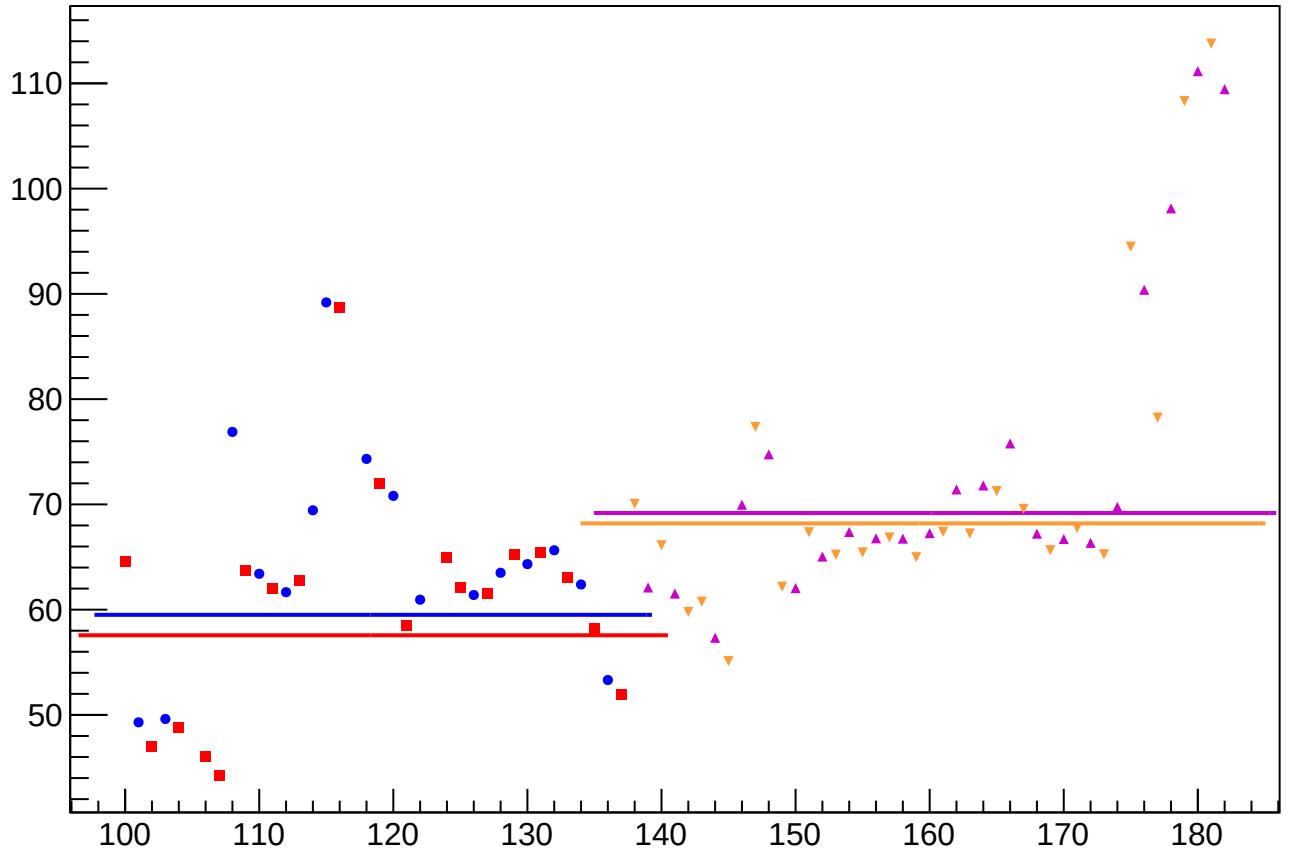
Left: 19.782+/-11.575 χ^2/NDF: 44.0/44

Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 32.950+/-13.344 χ^2/NDF:35.6/37

Out: 35.531+/-12.943 χ^2/NDF:53.3/41

All: 34.280+/-9.291 χ^2/NDF: 88.9/79



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 68.195+/-0.011 χ^2/NDF:827646.0/22

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 69.182+/-0.012 χ^2/NDF:864670.7/21

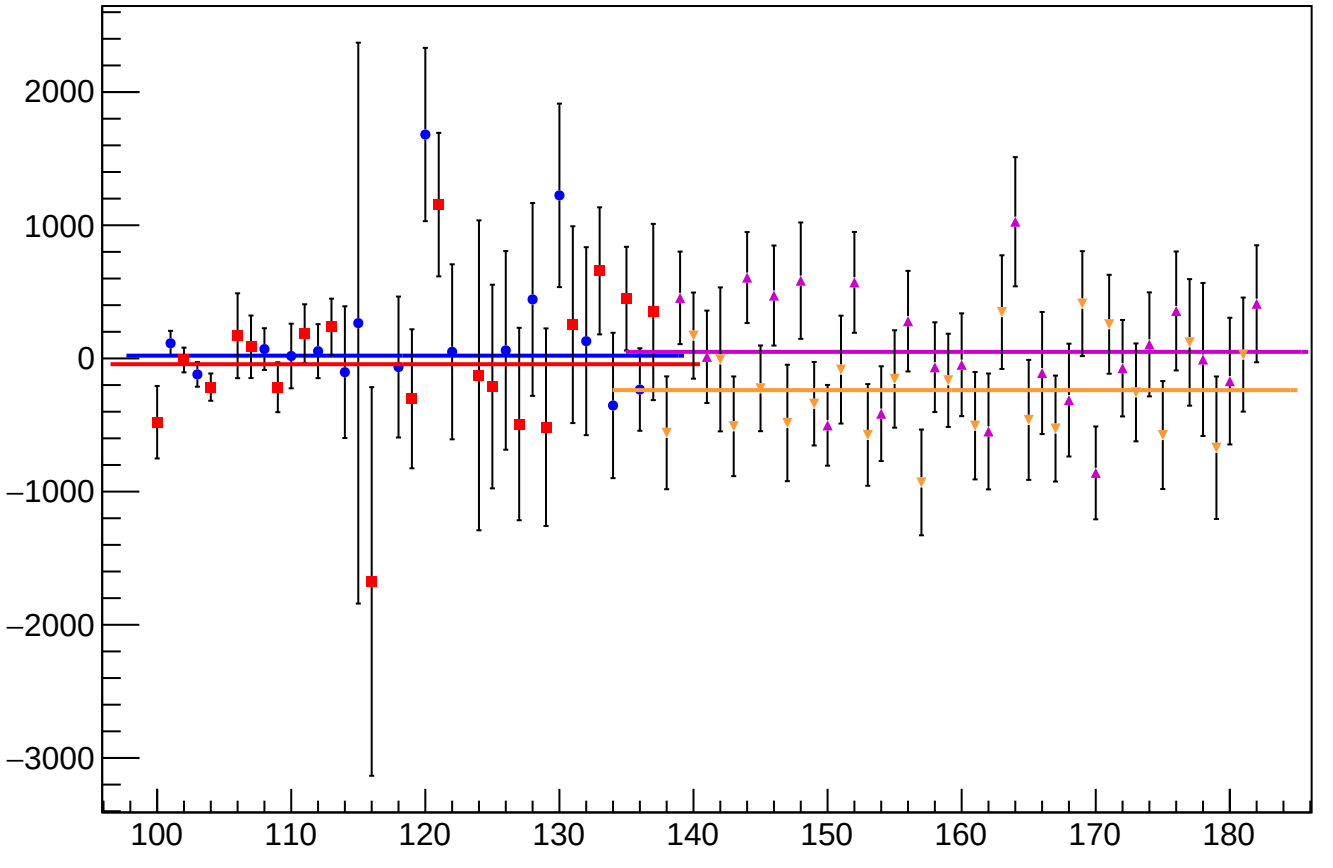
Left: 68.677+/-0.008 χ^2/NDF: 1695953.2/44

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 65.784+/-0.009 χ^2/NDF:1387371.0/37

Out: 64.371+/-0.009 χ^2/NDF:1485657.9/41

All: 65.056+/-0.007 χ^2/NDF: 2884589.9/79



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -237.891+/-81.878 χ^2/NDF:17.3/22

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 49.295+/-82.848 χ^2/NDF:29.4/21

Left: -95.990+/-58.237 χ^2/NDF: 52.7/44

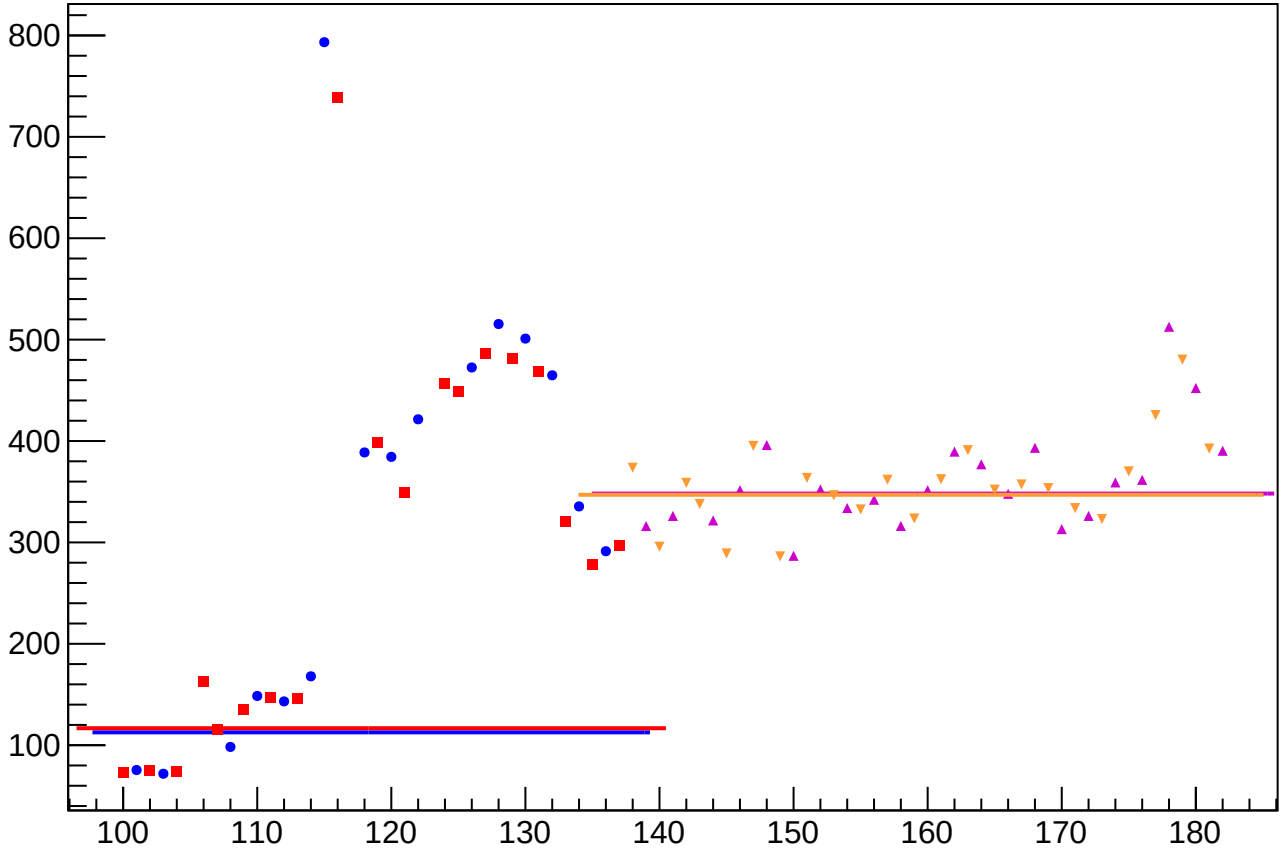
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 29.233+/-44.994 χ^2/NDF:44.1/37

Out: -101.053+/-44.616 χ^2/NDF:42.8/41

All: -36.459+/-31.681 χ^2/NDF: 91.0/79

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 346.987+/-0.058 χ^2/NDF:487663.4/22

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 348.167+/-0.059 χ^2/NDF:522587.3/21

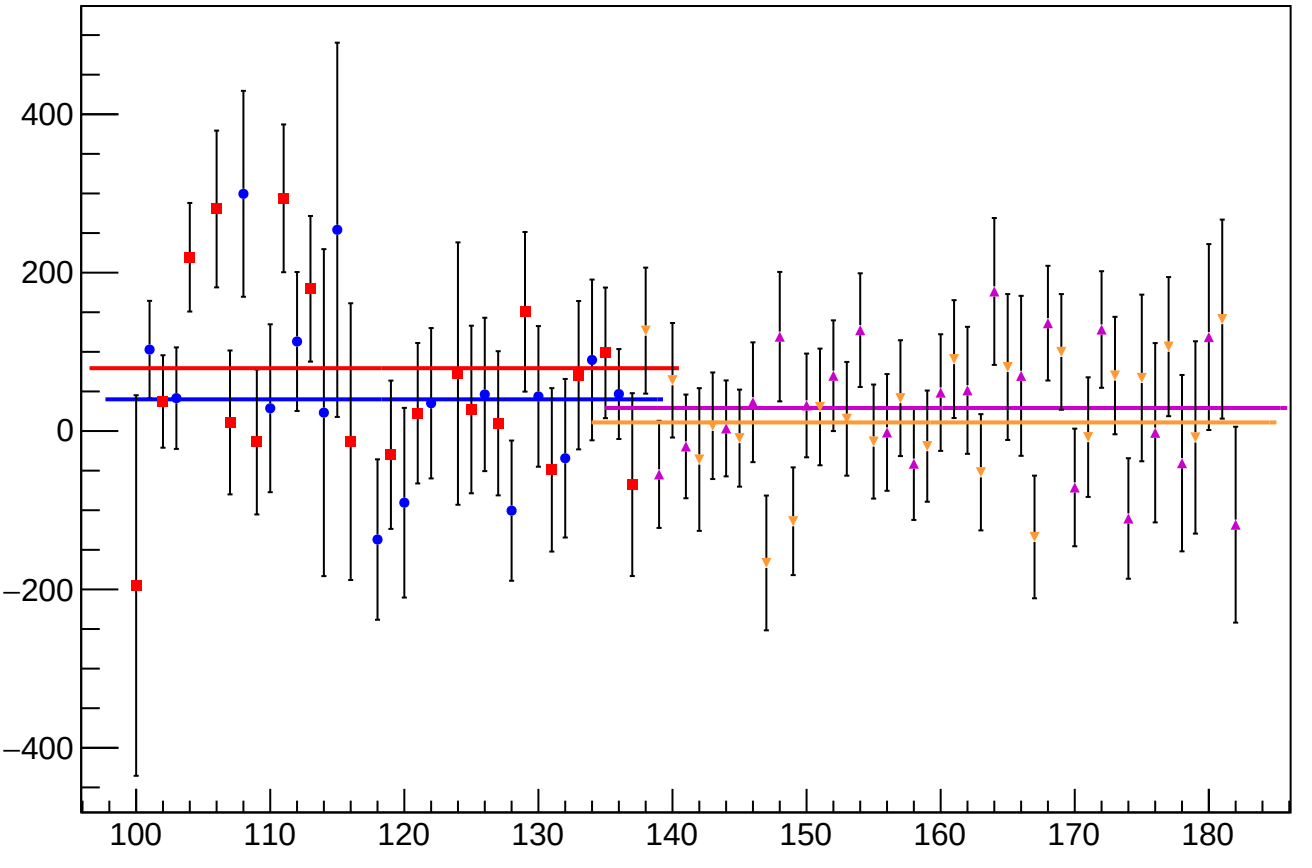
Left: 347.570+/-0.041 χ^2/NDF: 1010455.8/44

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 182.128+/-0.032 χ^2/NDF:17515843.4/37

Out: 185.102+/-0.032 χ^2/NDF:16749209.6/41

All: 183.628+/-0.022 χ^2/NDF: 34269461.0/79



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 10.885+/-16.177 χ^2/NDF:22.0/22

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 29.116+/-16.568 χ^2/NDF:21.3/21

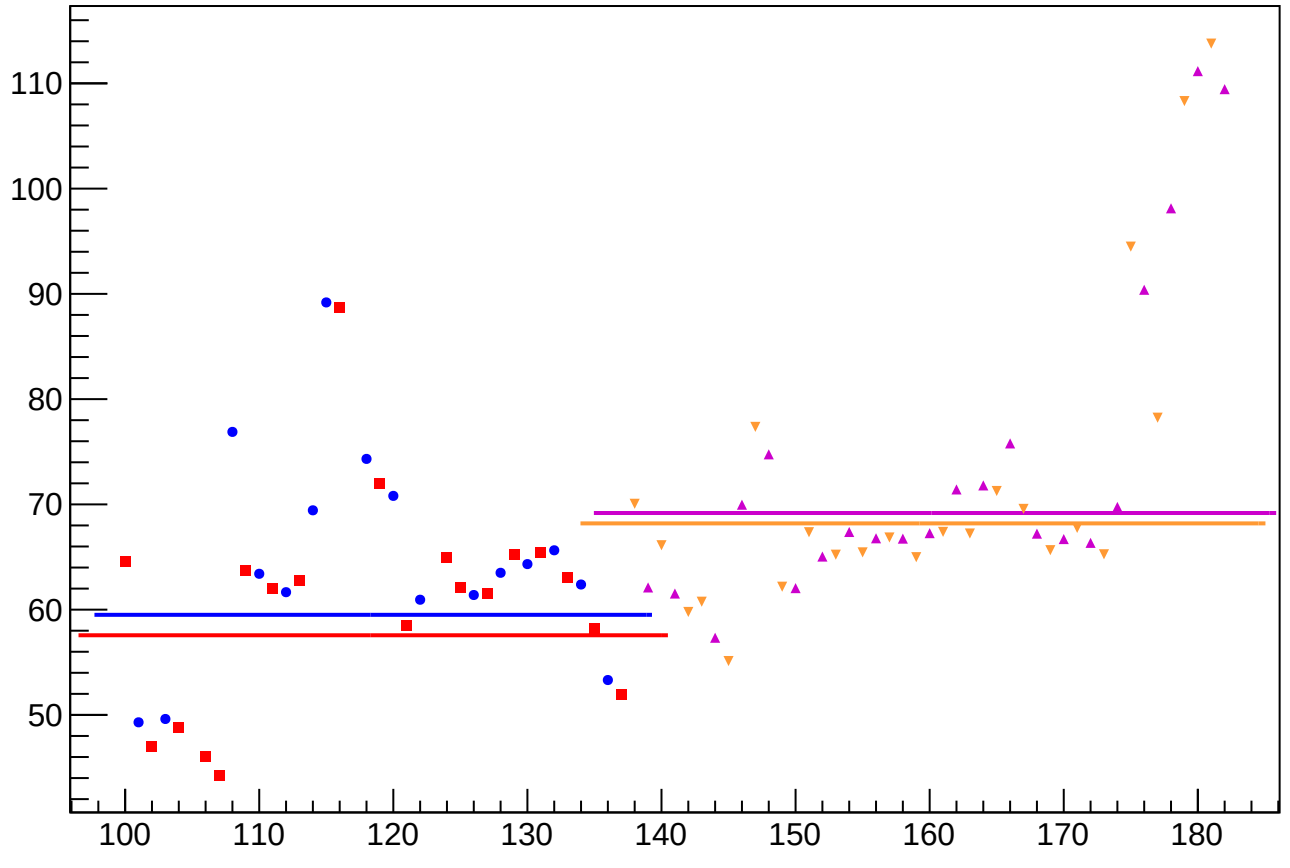
Left: 19.782+/-11.575 χ^2/NDF: 44.0/44

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 32.950+/-13.344 χ^2/NDF:35.6/37

Out: 35.531+/-12.943 χ^2/NDF:53.3/41

All: 34.280+/-9.291 χ^2/NDF: 88.9/79



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 68.195+/-0.011 χ^2/NDF:827629.5/22

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 69.182+/-0.012 χ^2/NDF:864655.0/21

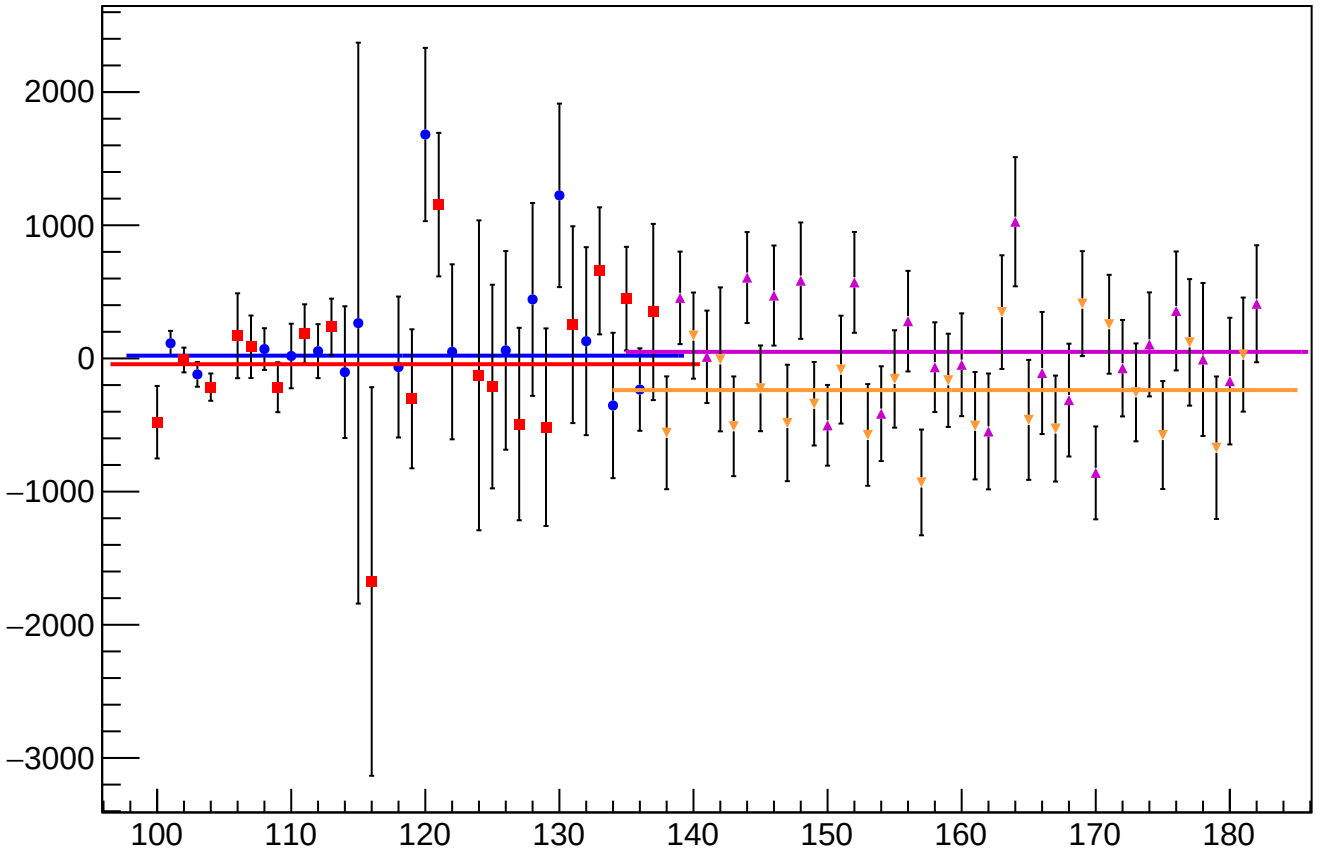
Left: 68.677+/-0.008 χ^2/NDF: 1695921.5/44

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 65.784+/-0.009 χ^2/NDF:1387364.8/37

Out: 64.371+/-0.009 χ^2/NDF:1485647.3/41

All: 65.056+/-0.007 χ^2/NDF: 2884573.6/79



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -237.890+/-81.878 χ^2/NDF:17.3/22

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 49.295+/-82.849 χ^2/NDF:29.4/21

Left: -95.989+/-58.237 χ^2/NDF: 52.7/44

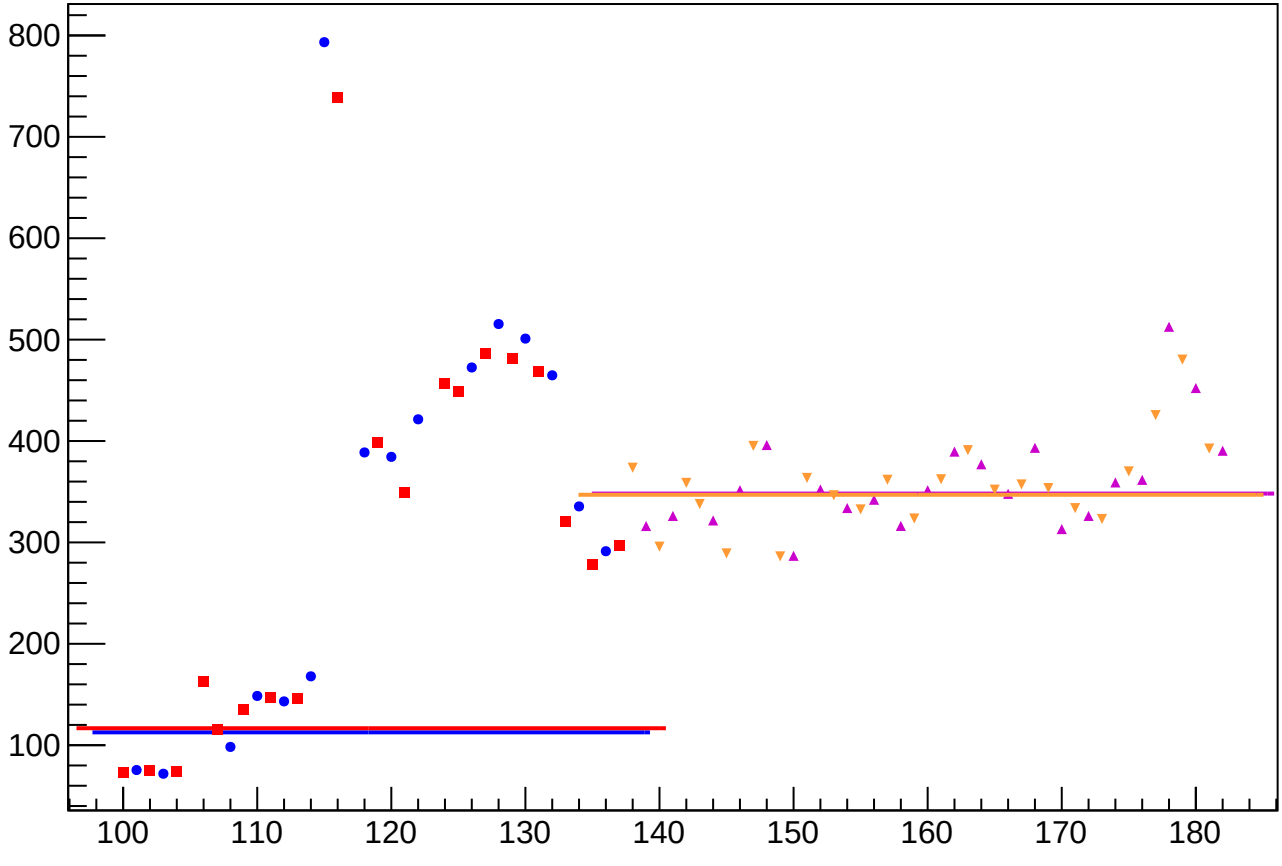
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 29.233+/-44.994 χ^2/NDF:44.1/37

Out: -101.053+/-44.616 χ^2/NDF:42.8/41

All: -36.459+/-31.681 χ^2/NDF: 91.0/79

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: 346.988+/-0.058 χ^2/NDF:487655.8/22

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 348.168+/-0.059 χ^2/NDF:522580.4/21

Left: 347.571+/-0.041 χ^2/NDF: 1010441.4/44

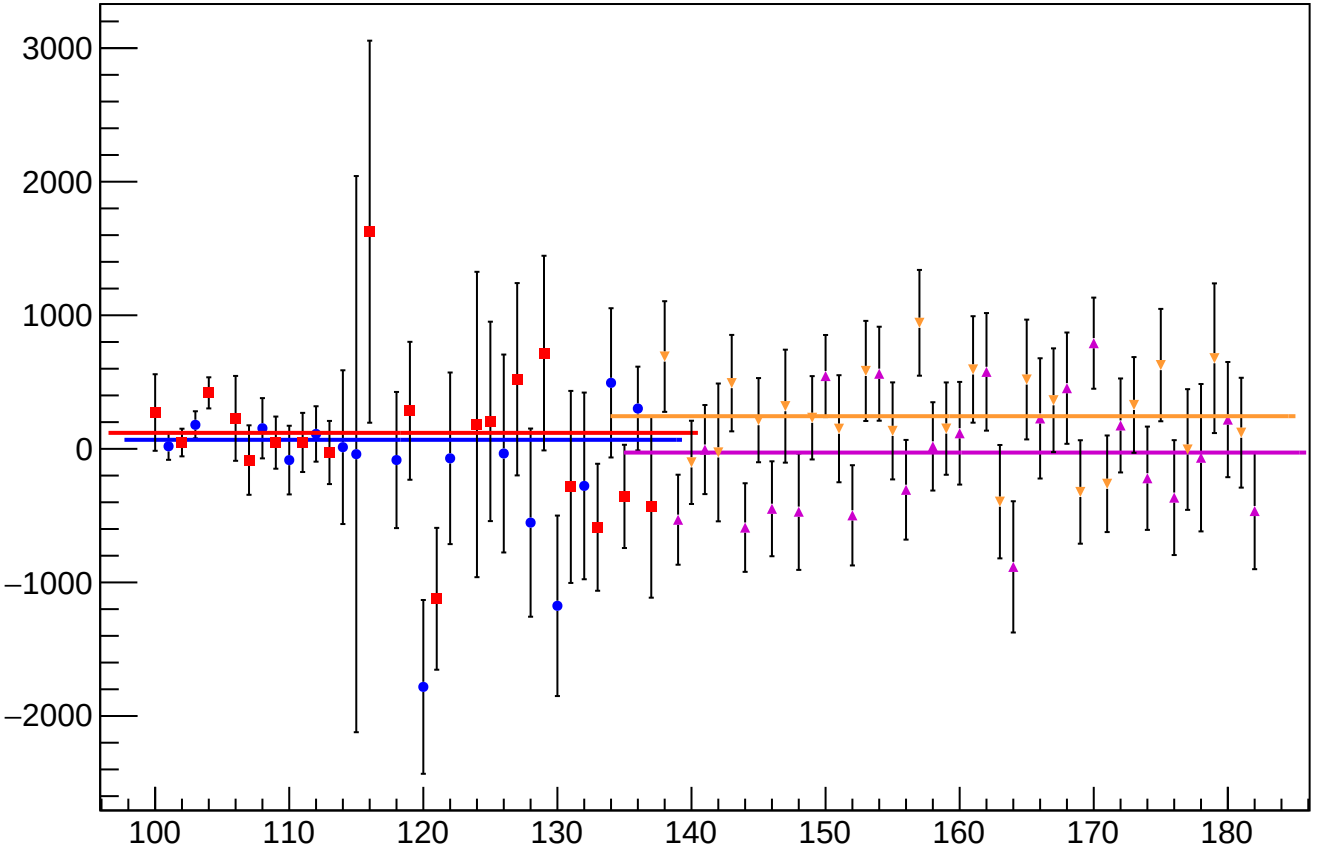
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 182.127+/-0.032 χ^2/NDF:17515902.6/37

Out: 185.102+/-0.032 χ^2/NDF:16749286.4/41

All: 183.627+/-0.022 χ^2/NDF: 34269596.5/79

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 244.503+/-80.487 χ^2/NDF:16.8/22

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -27.895+/-81.204 χ^2/NDF:31.0/21

Left: 109.513+/-57.165 χ^2/NDF: 53.5/44

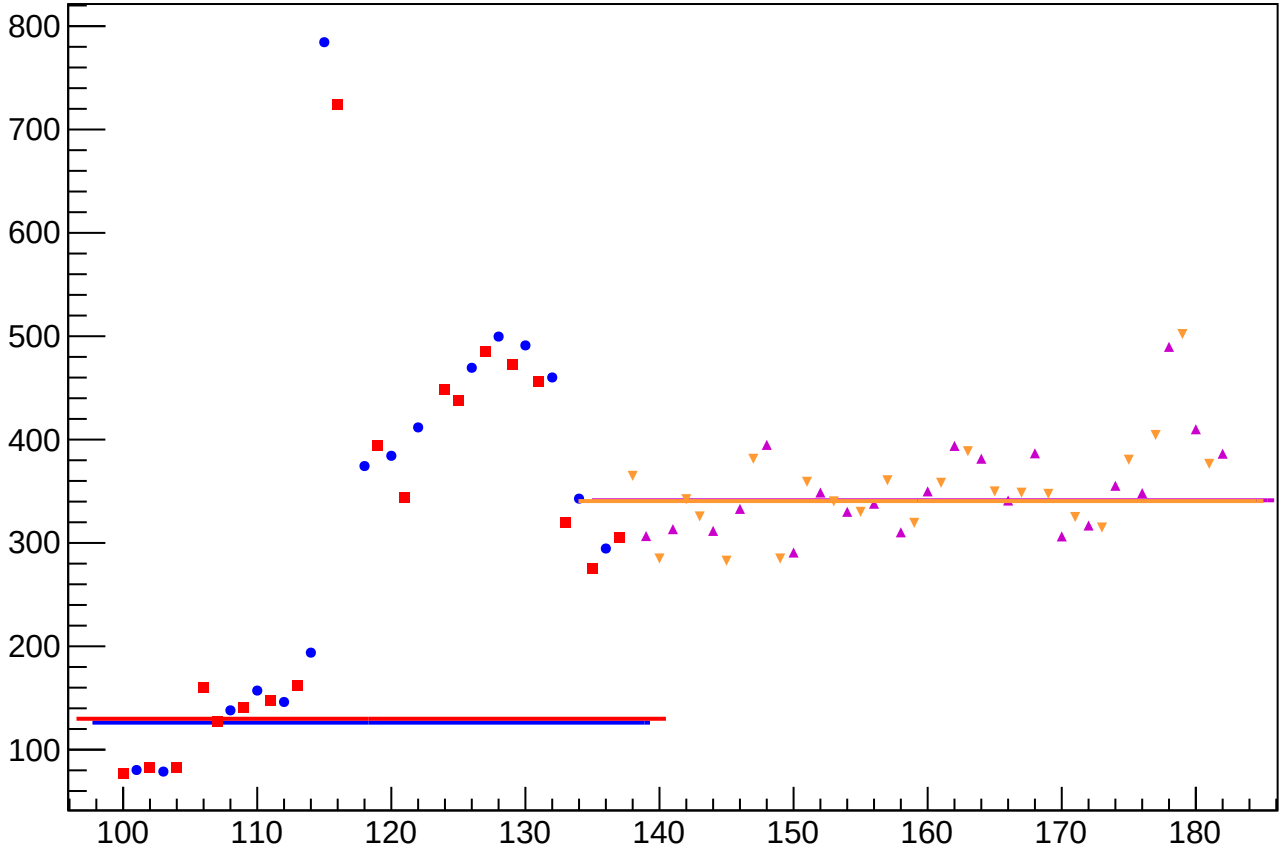
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 34.496+/-47.821 χ^2/NDF:47.7/37

Out: 162.257+/-47.024 χ^2/NDF:39.5/41

All: 99.451+/-33.529 χ^2/NDF: 90.9/79

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 340.523+/-0.057 χ^2/NDF:527540.2/22

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 341.278+/-0.057 χ^2/NDF:474708.7/21

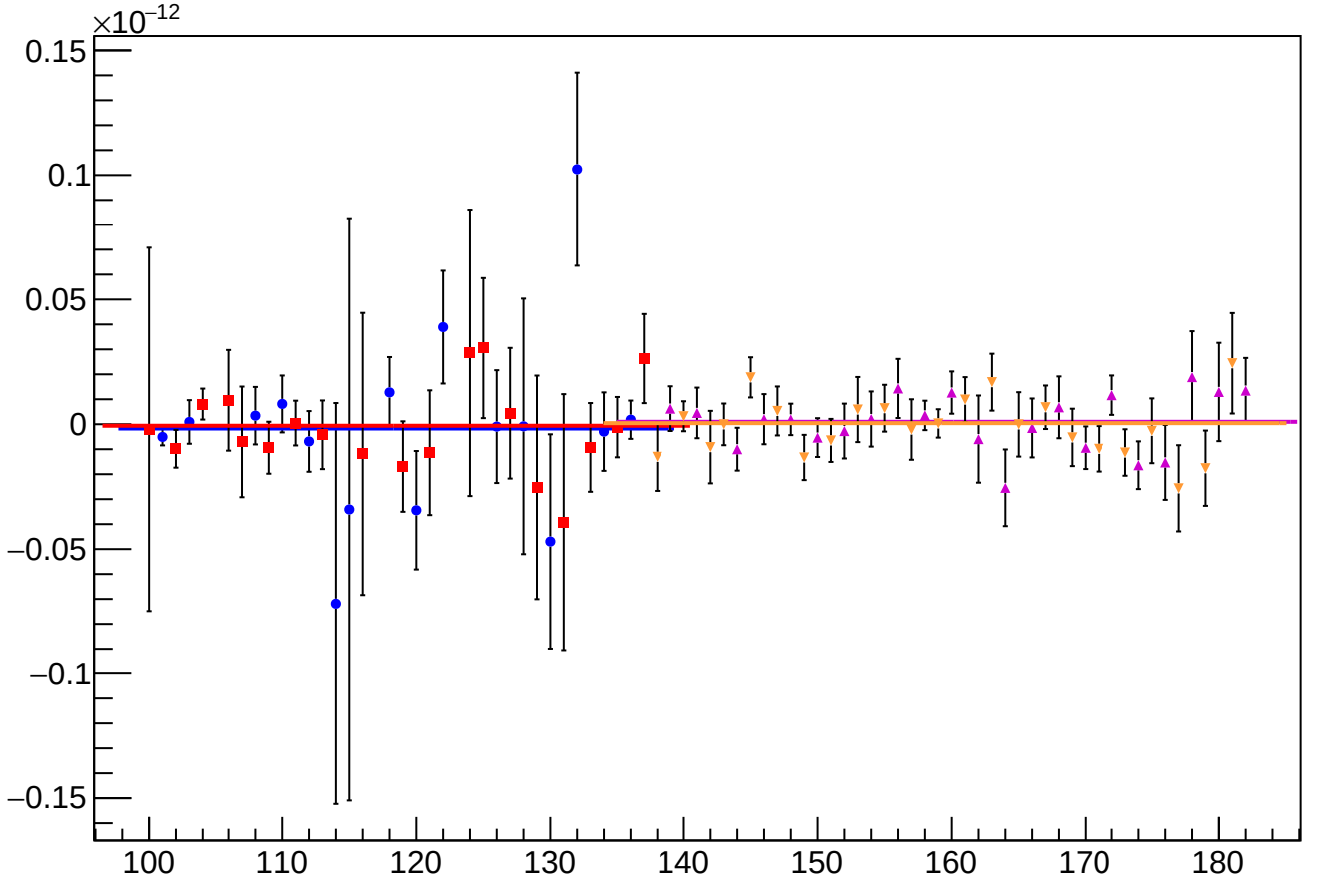
Left: 340.897+/-0.040 χ^2/NDF: 1002336.1/44

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 200.758+/-0.034 χ^2/NDF:14863287.6/37

Out: 201.804+/-0.033 χ^2/NDF:14194996.3/41

All: 201.290+/-0.024 χ^2/NDF: 29058770.1/79



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:19.7/21

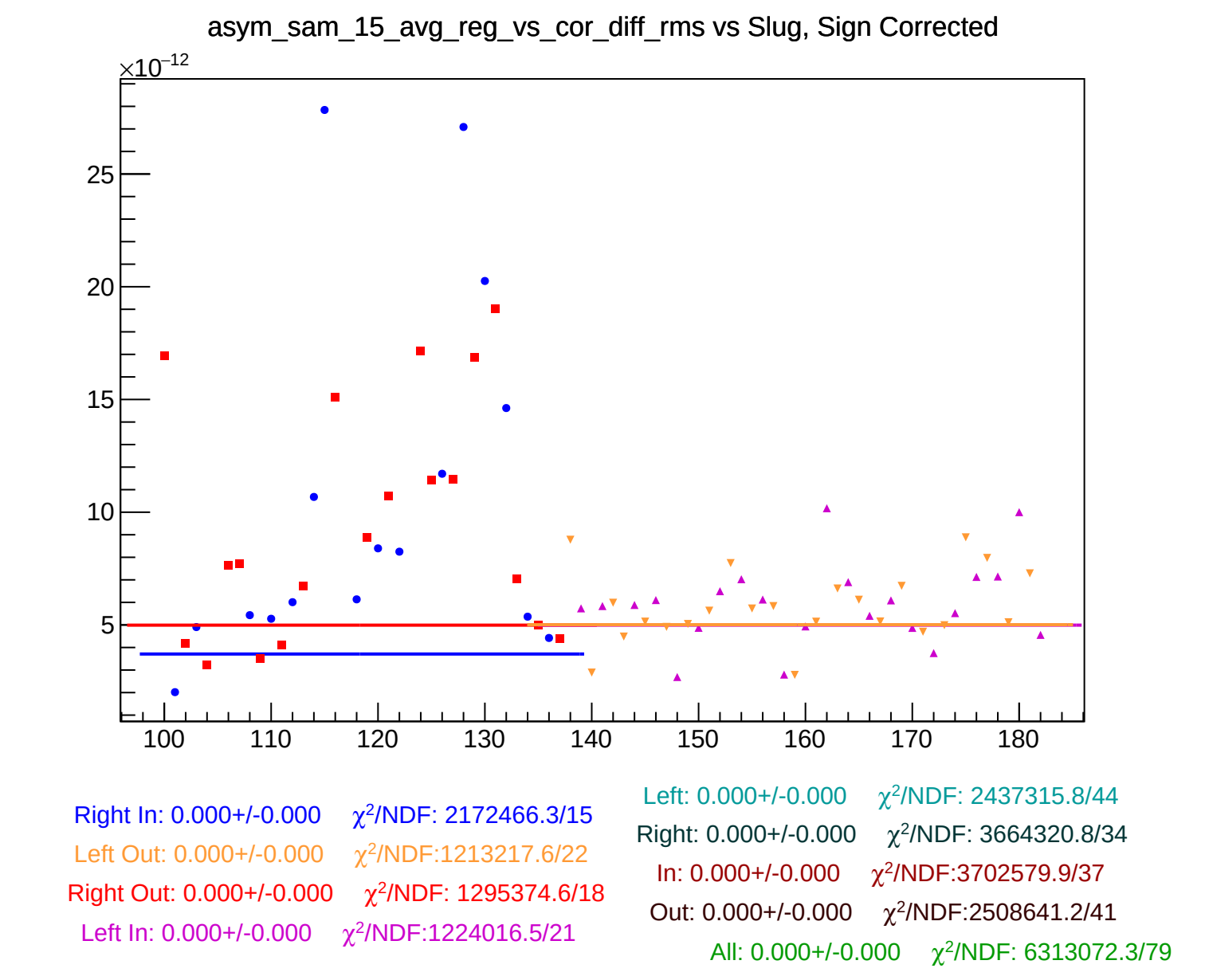
Left: 0.000+/-0.000 χ^2/NDF: 42.4/44

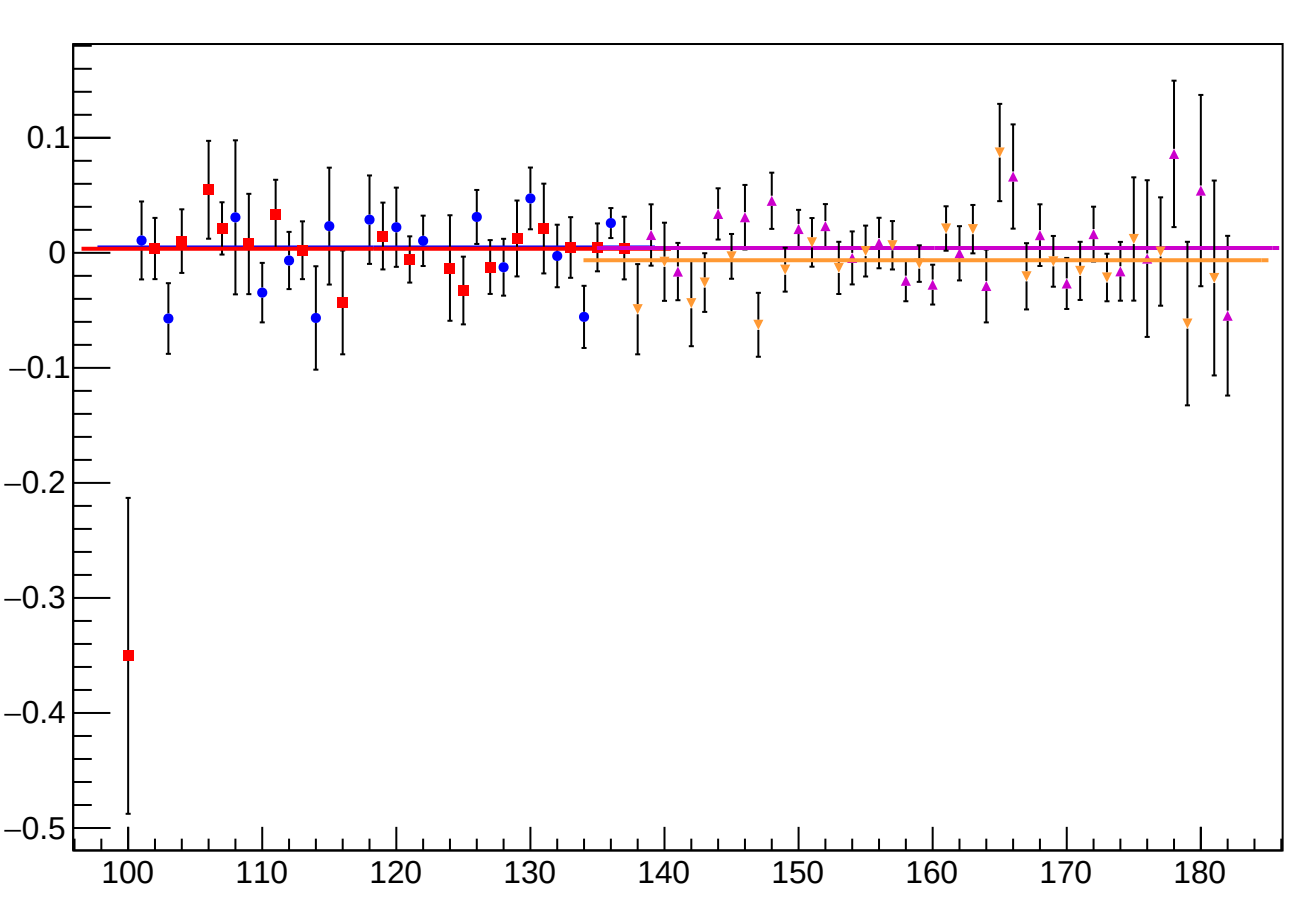
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:38.1/37

Out: 0.000+/-0.000 χ^2/NDF:33.3/41

All: 0.000+/-0.000 χ^2/NDF: 71.4/79


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1213217.6/22
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:1224016.5/21
Left: 0.000+/-0.000 χ²/NDF: 2437315.8/44
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:3702579.9/37
Out: 0.000+/-0.000 χ²/NDF:2508641.2/41
All: 0.000+/-0.000 χ²/NDF: 6313072.3/79



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/22

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:23.2/21

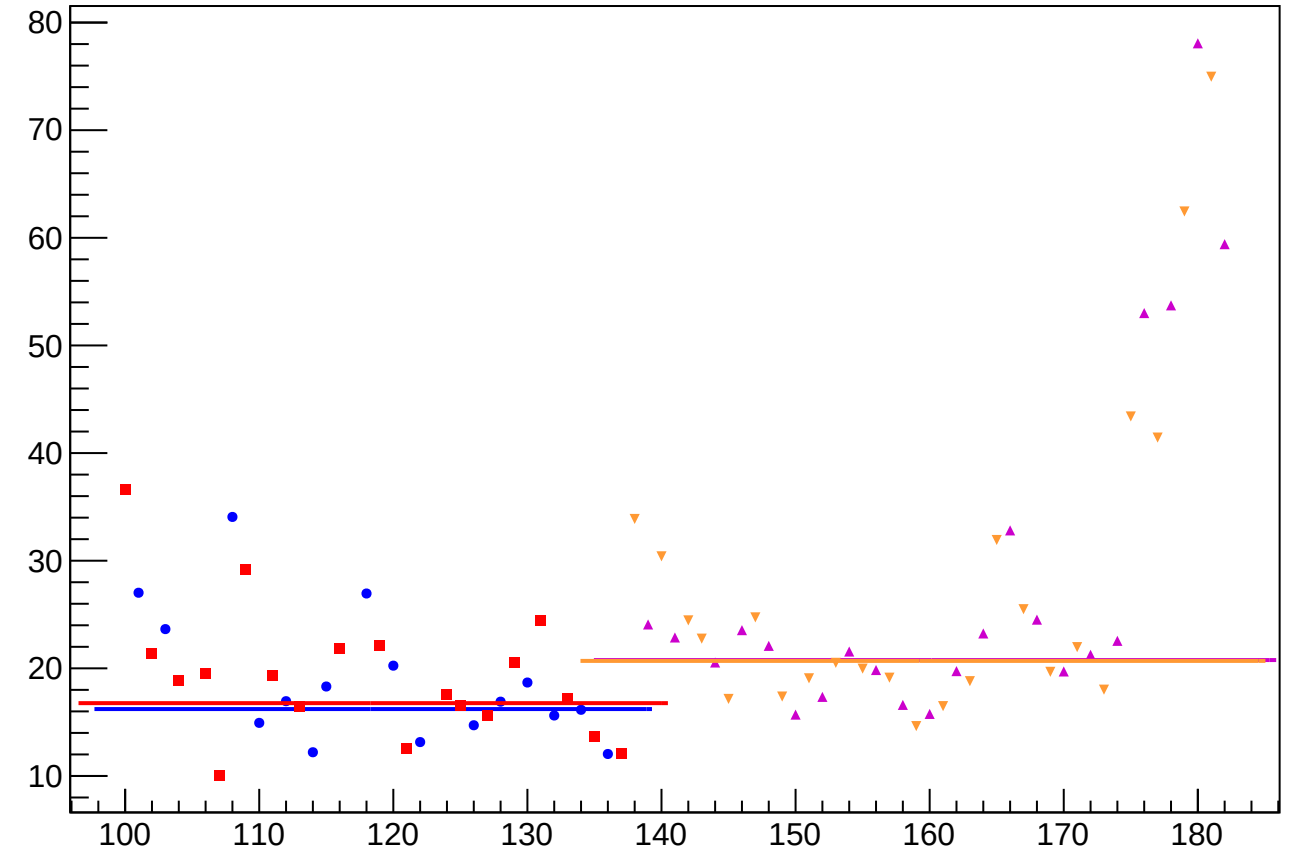
Left: -0.001+/-0.004 χ^2/NDF: 43.7/44

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:44.6/37

Out: -0.003+/-0.004 χ^2/NDF:33.5/41

All: 0.001+/-0.003 χ^2/NDF: 79.6/79



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.692+/-0.004 χ^2/NDF:3516312.4/22

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.770+/-0.004 χ^2/NDF:3367625.6/21

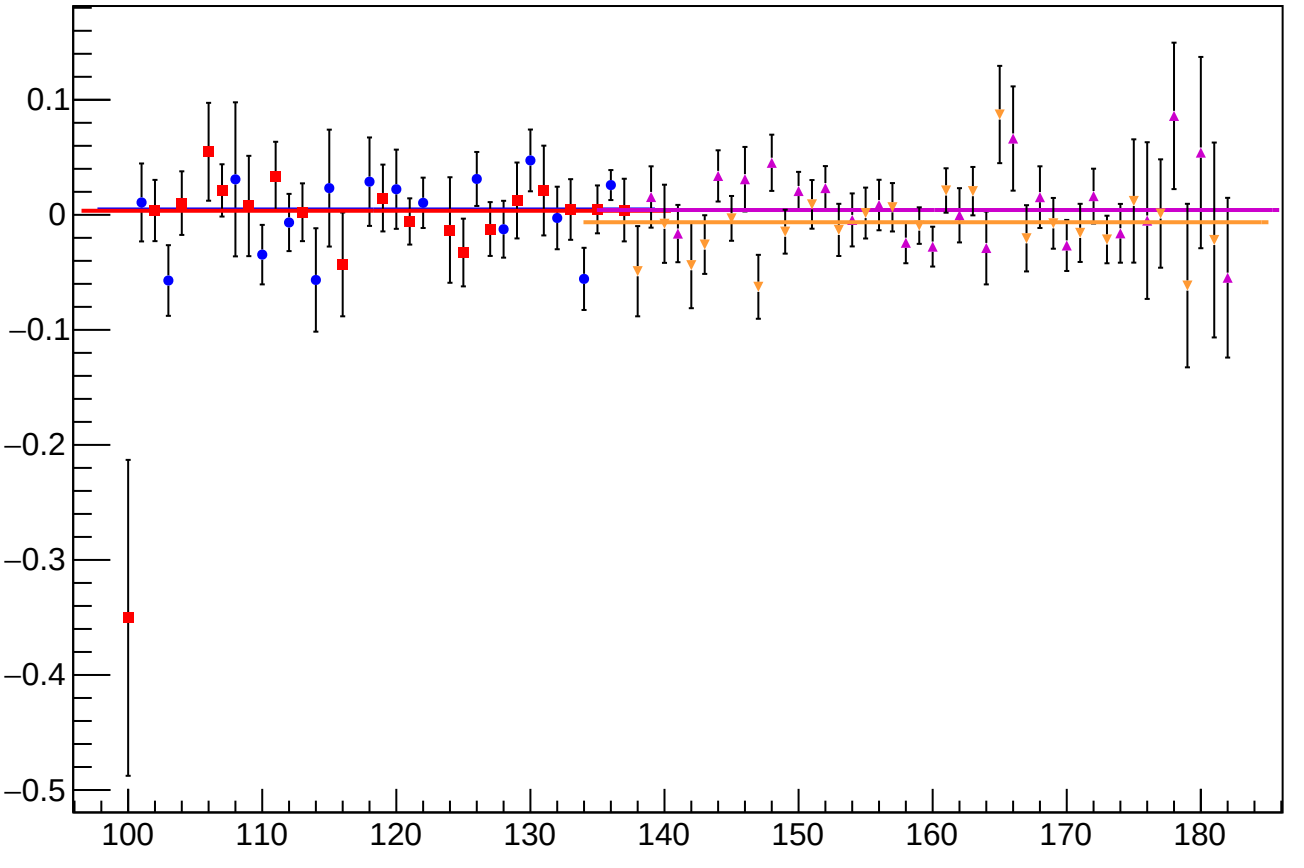
Left: 20.730+/-0.003 χ^2/NDF: 6884157.2/44

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.973+/-0.003 χ^2/NDF:4893791.2/37

Out: 19.188+/-0.003 χ^2/NDF:4816147.2/41

All: 19.081+/-0.002 χ^2/NDF: 9712693.7/79



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/22

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:23.2/21

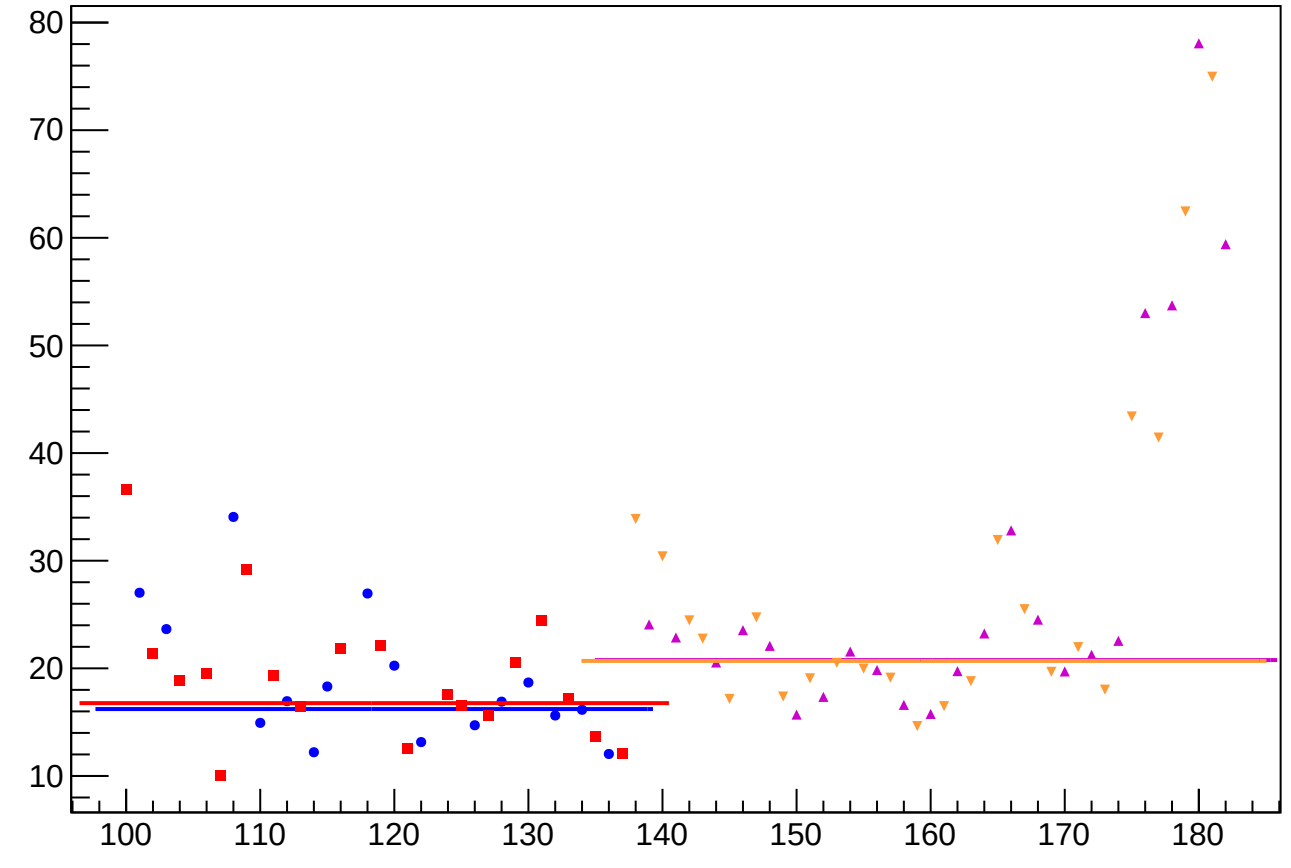
Left: -0.001+/-0.004 χ^2/NDF: 43.7/44

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:44.6/37

Out: -0.003+/-0.004 χ^2/NDF:33.5/41

All: 0.001+/-0.003 χ^2/NDF: 79.6/79



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.692+/-0.004 χ^2/NDF:3516312.4/22

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.770+/-0.004 χ^2/NDF:3367625.6/21

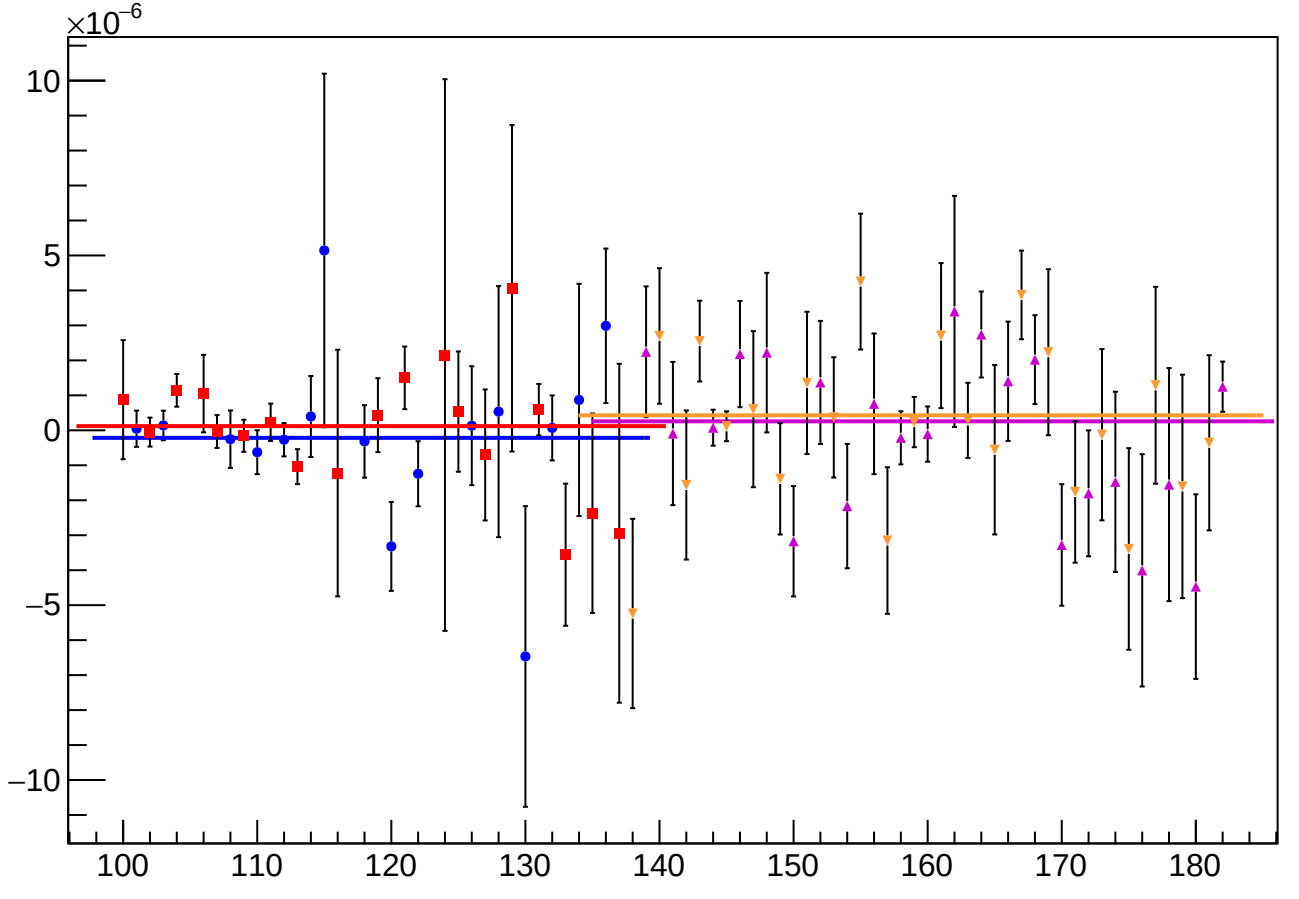
Left: 20.730+/-0.003 χ^2/NDF: 6884157.2/44

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.973+/-0.003 χ^2/NDF:4893791.2/37

Out: 19.188+/-0.003 χ^2/NDF:4816147.2/41

All: 19.081+/-0.002 χ^2/NDF: 9712693.7/79



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:31.6/21

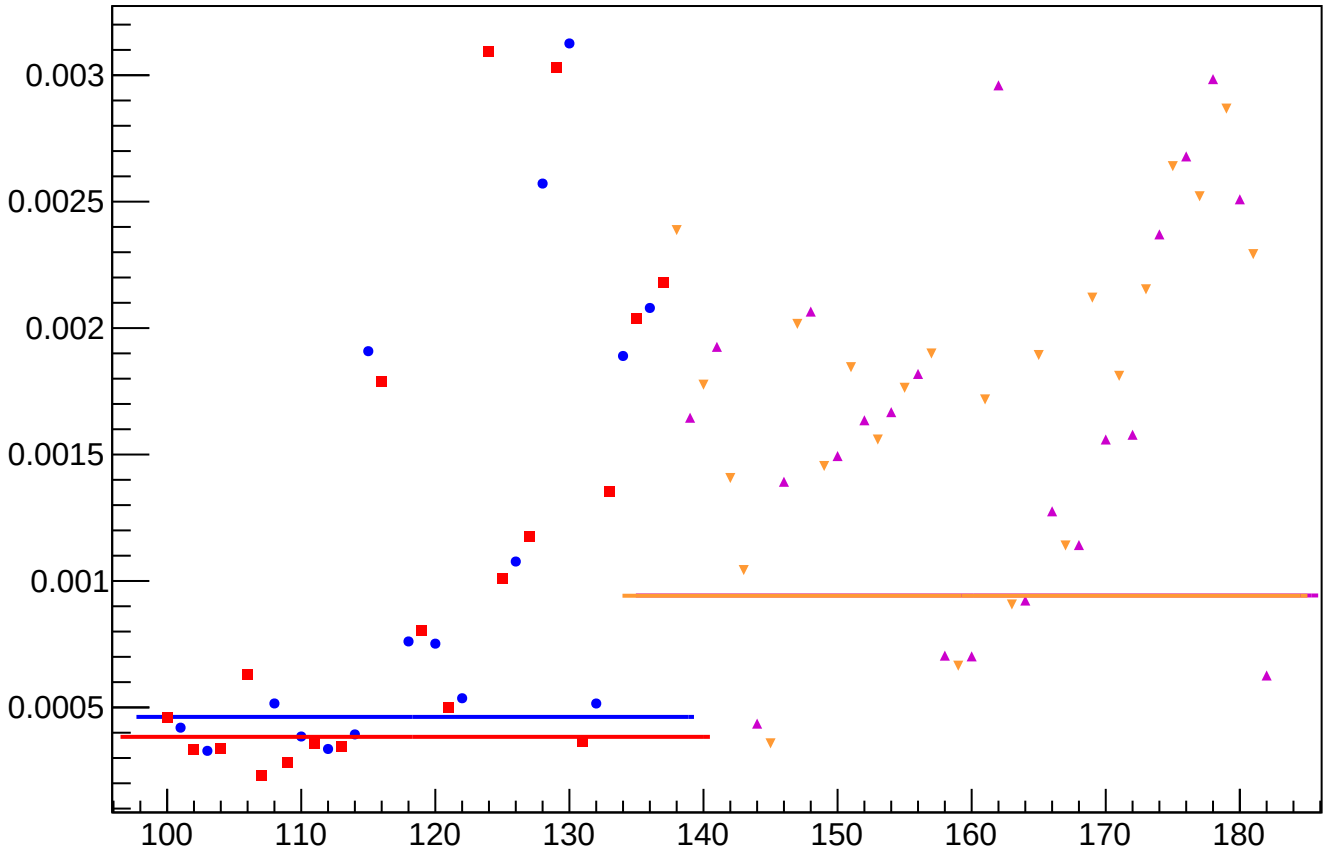
Left: 0.000+/-0.000 χ^2/NDF: 63.6/44

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:48.0/37

Out: 0.000+/-0.000 χ^2/NDF:53.0/41

All: 0.000+/-0.000 χ^2/NDF: 102.3/79



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:11825728.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:9370339.4/21

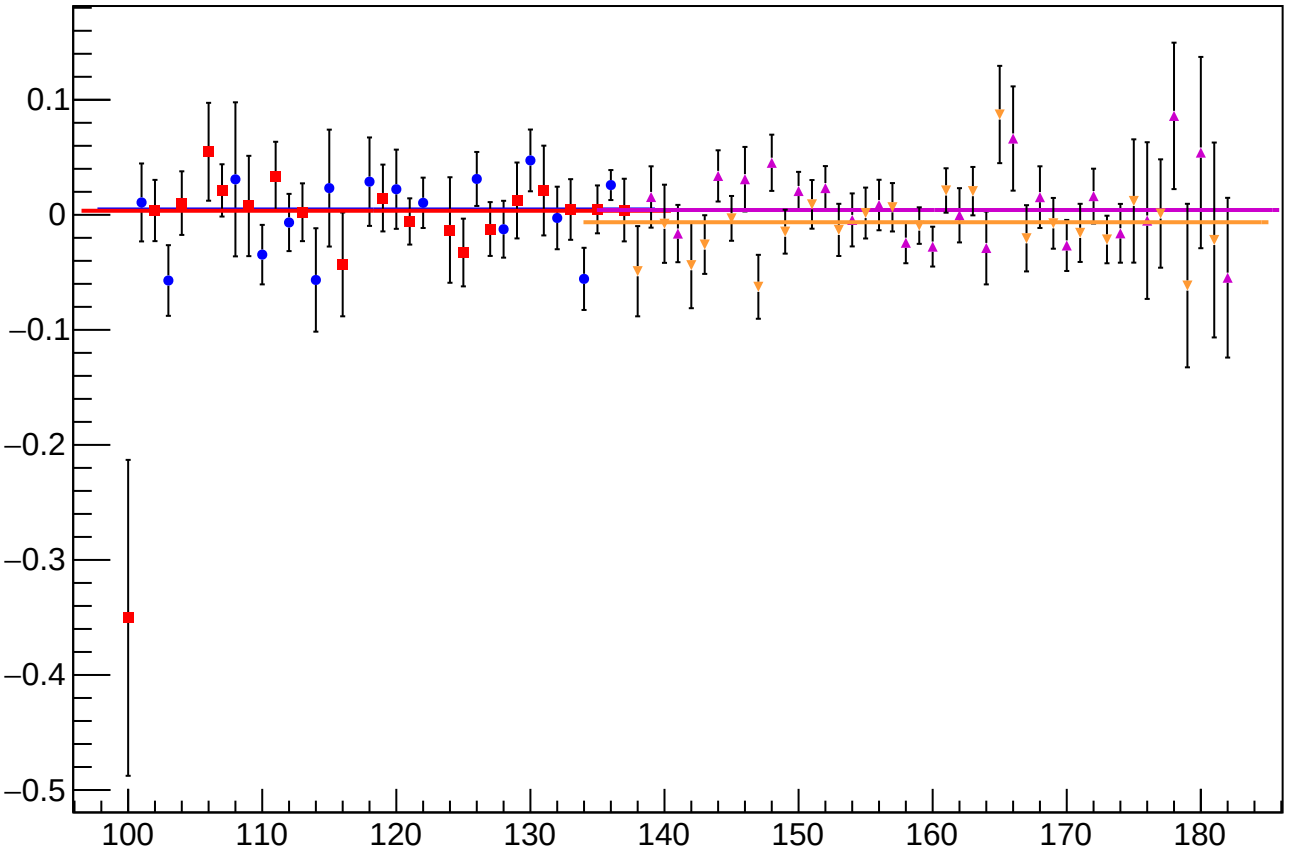
Left: 0.001+/-0.000 χ^2/NDF: 21196082.3/44

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:17469498.5/37

Out: 0.001+/-0.000 χ^2/NDF:21865476.6/41

All: 0.001+/-0.000 χ^2/NDF: 39772420.2/79



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/22

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:23.2/21

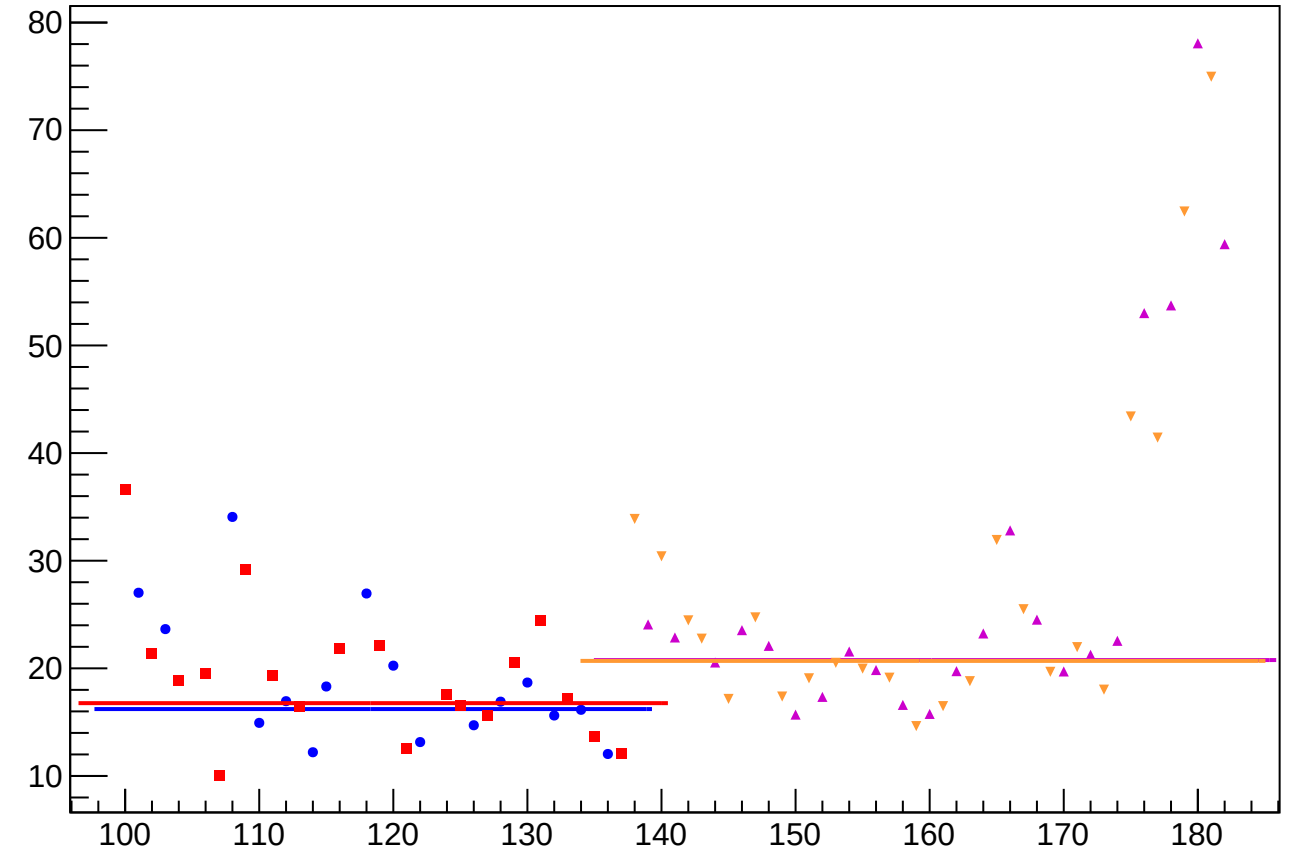
Left: -0.001+/-0.004 χ^2/NDF: 43.7/44

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:44.6/37

Out: -0.003+/-0.004 χ^2/NDF:33.5/41

All: 0.001+/-0.003 χ^2/NDF: 79.6/79



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.692+/-0.004 χ^2/NDF:3516294.4/22

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.770+/-0.004 χ^2/NDF:3367671.7/21

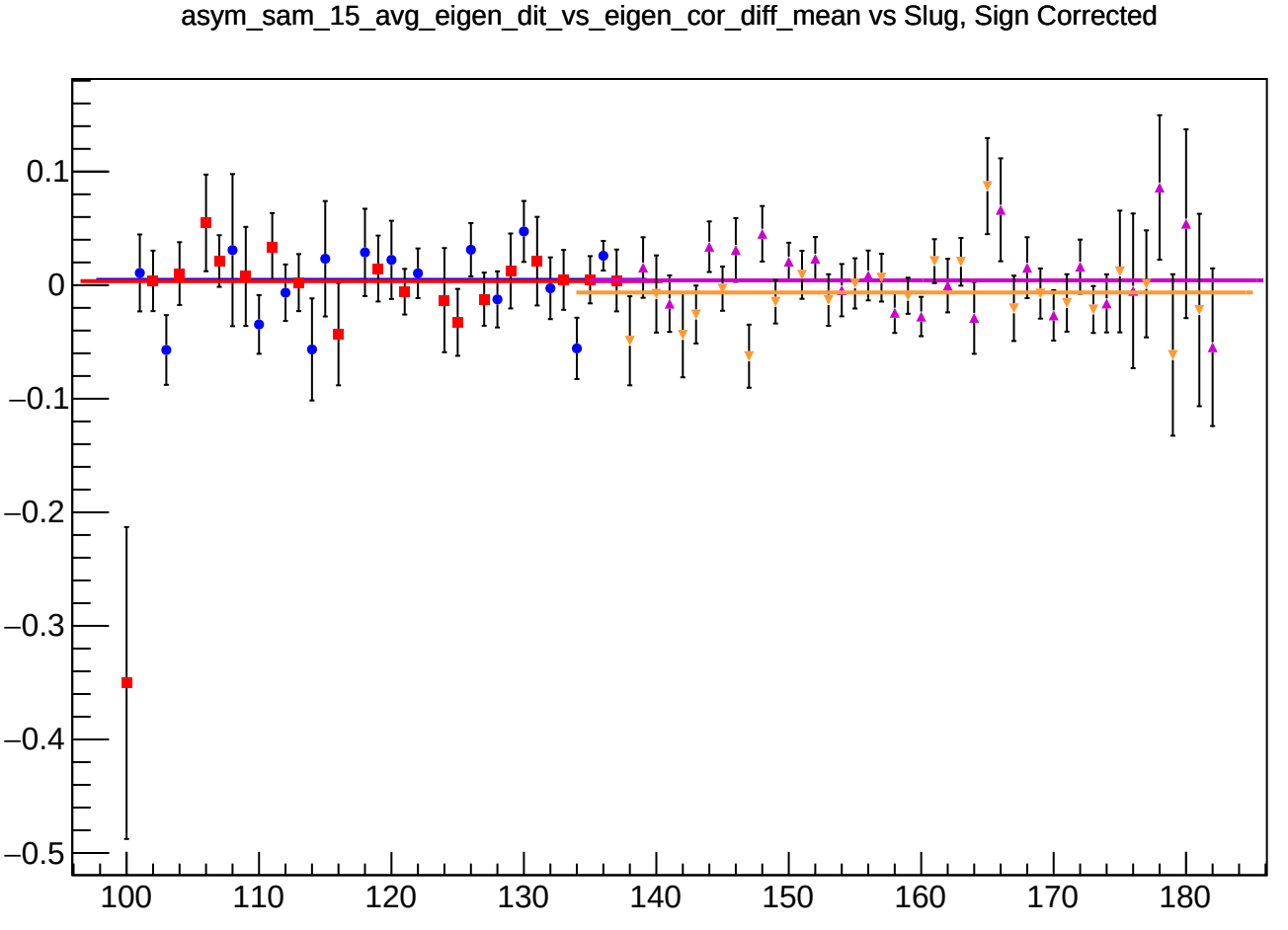
Left: 20.730+/-0.003 χ^2/NDF: 6884184.9/44

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.973+/-0.003 χ^2/NDF:4893872.6/37

Out: 19.188+/-0.003 χ^2/NDF:4816200.9/41

All: 19.081+/-0.002 χ^2/NDF: 9712829.7/79



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/22

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:23.2/21

Left: -0.001+/-0.004 χ^2/NDF: 43.7/44

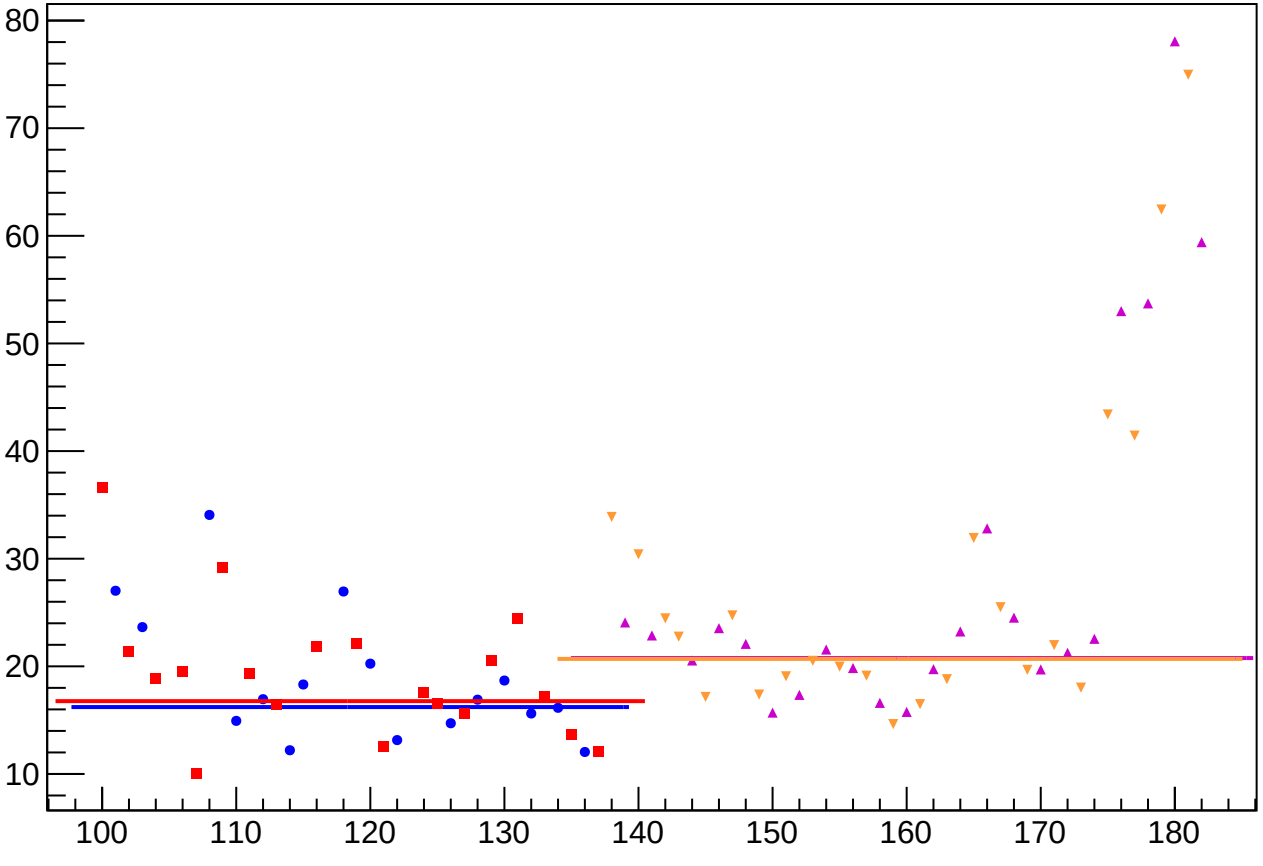
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:44.6/37

Out: -0.003+/-0.004 χ^2/NDF:33.5/41

All: 0.001+/-0.003 χ^2/NDF: 79.6/79

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: 20.692+/-0.004 χ^2/NDF:3516294.4/22

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.770+/-0.004 χ^2/NDF:3367671.7/21

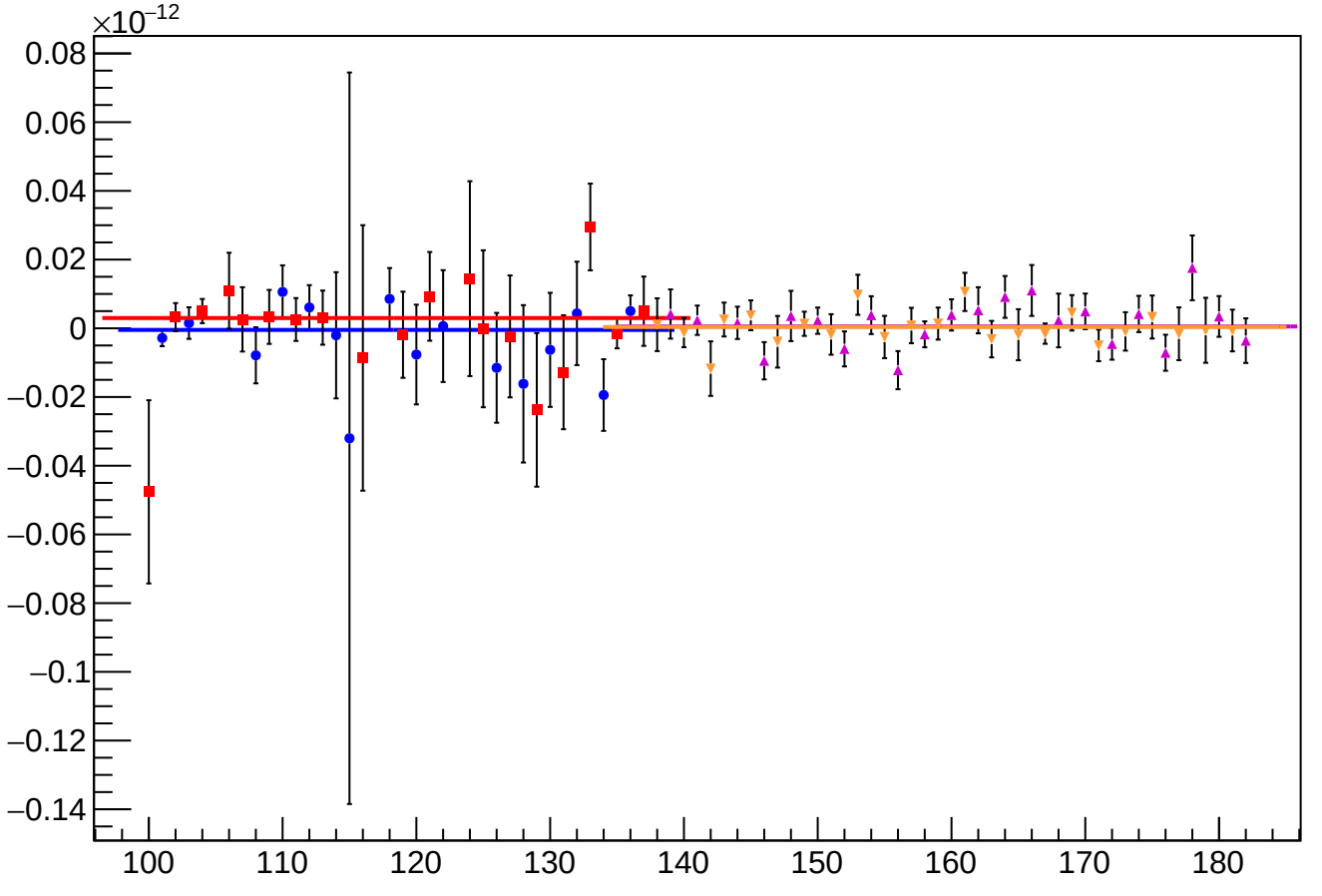
Left: 20.730+/-0.003 χ^2/NDF: 6884184.9/44

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.973+/-0.003 χ^2/NDF:4893872.6/37

Out: 19.188+/-0.003 χ^2/NDF:4816200.9/41

All: 19.081+/-0.002 χ^2/NDF: 9712829.7/79



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:25.4/21

Left: 0.000+/-0.000 χ^2/NDF: 38.8/44

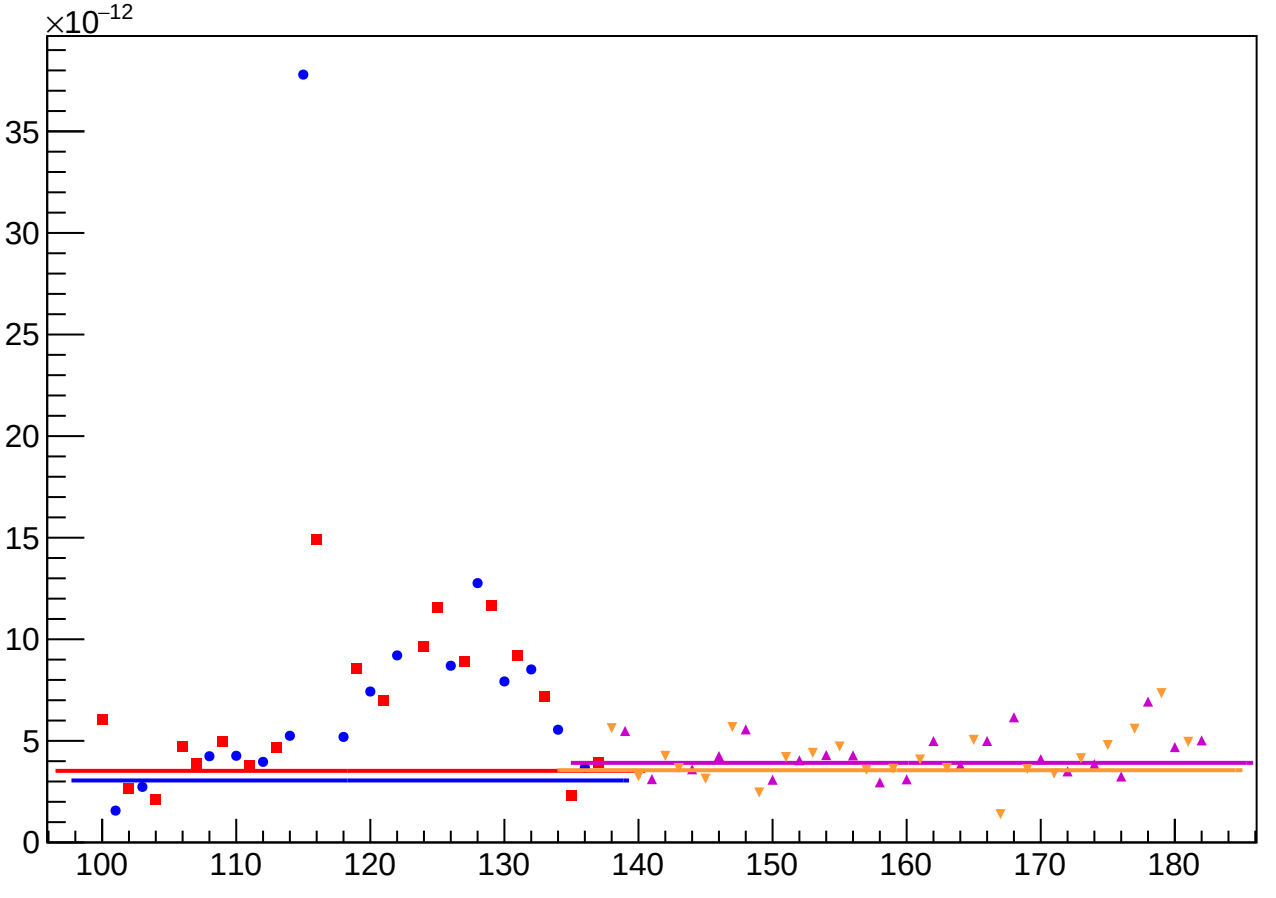
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: 0.000+/-0.000 χ^2/NDF:38.0/37

Out: 0.000+/-0.000 χ^2/NDF:27.9/41

All: 0.000+/-0.000 χ^2/NDF: 66.3/79

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2524170.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1197774.0/21

Left: 0.000+/-0.000 χ^2/NDF: 3828067.8/44

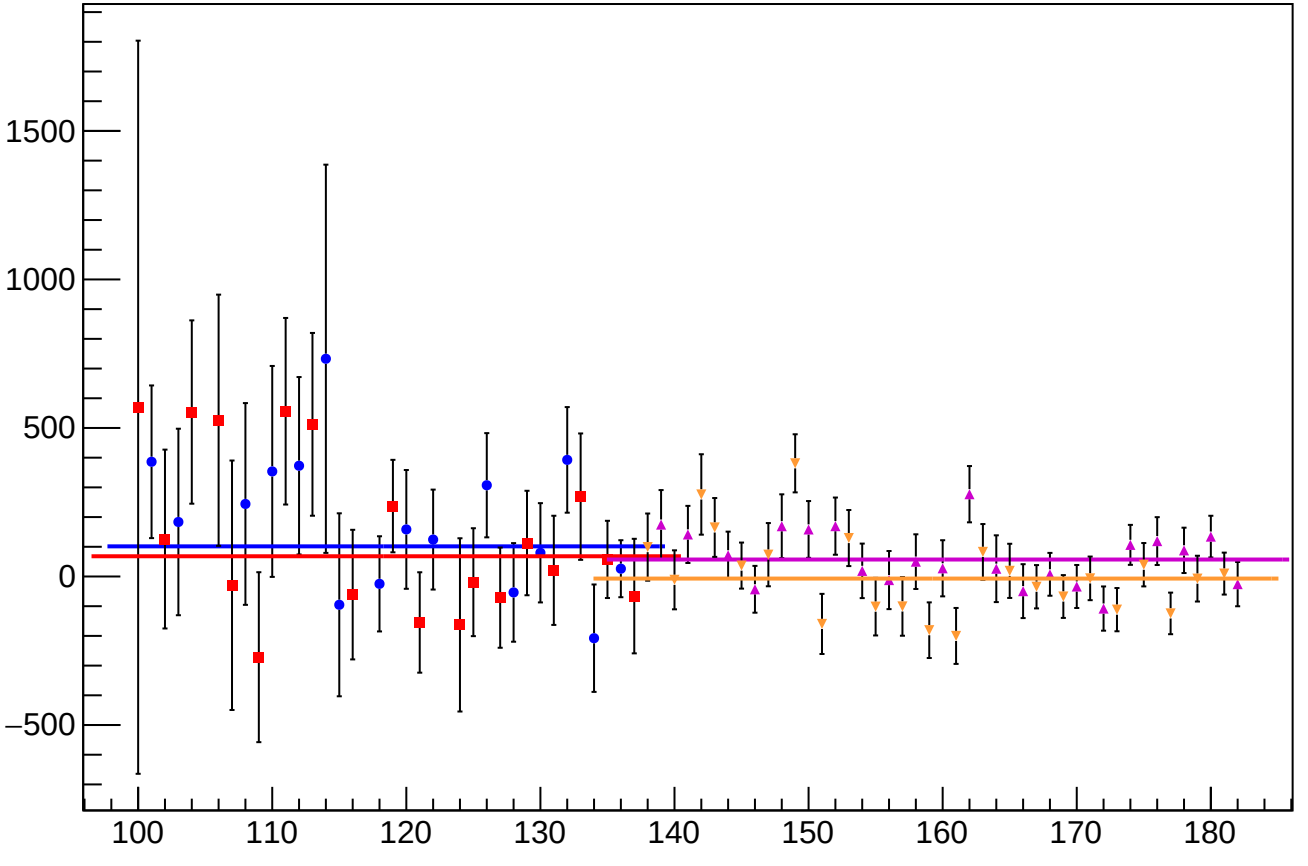
Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:4513424.9/37

Out: 0.000+/-0.000 χ^2/NDF:5083690.5/41

All: 0.000+/-0.000 χ^2/NDF: 9605859.5/79

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: -7.013+/-17.987 χ^2/NDF:45.9/22

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 57.109+/-18.067 χ^2/NDF:25.3/21

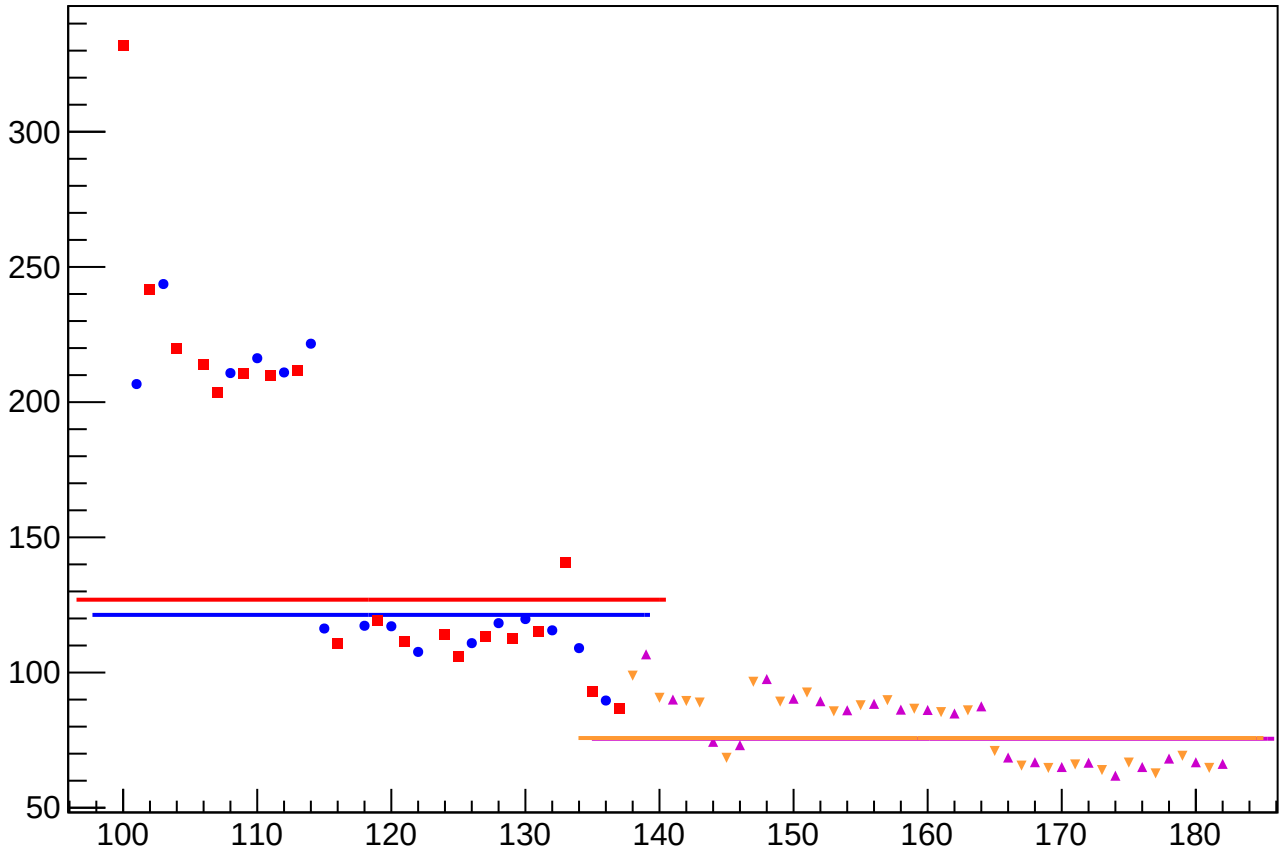
Left: 24.907+/-12.747 χ^2/NDF: 77.6/44

Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 62.688+/-16.893 χ^2/NDF:39.5/37

Out: 1.804+/-16.899 χ^2/NDF:64.1/41

All: 32.257+/-11.947 χ^2/NDF: 110.1/79



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 75.784+/-0.013 χ^2/NDF:880052.6/22

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 75.517+/-0.013 χ^2/NDF:829588.4/21

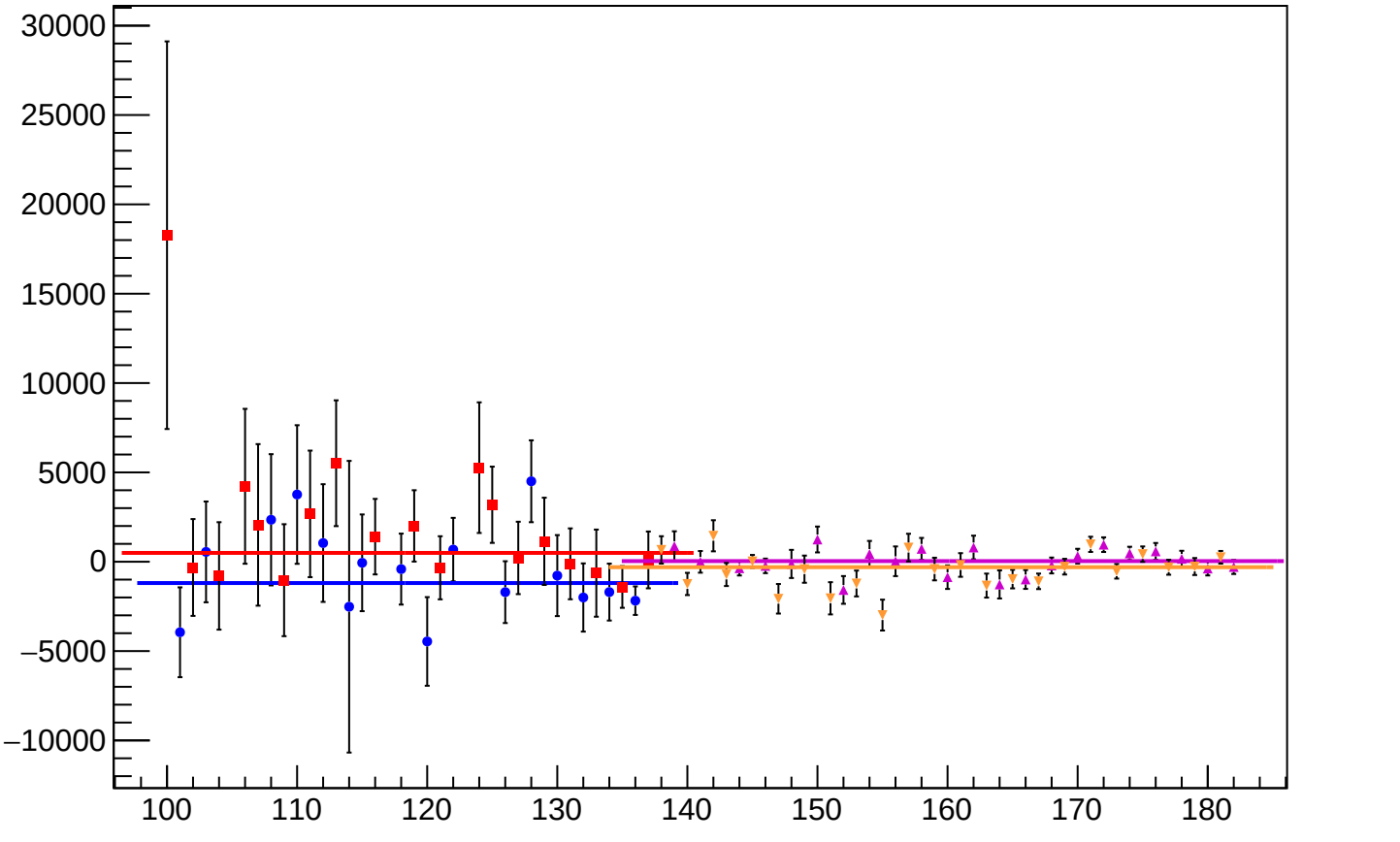
Left: 75.651+/-0.009 χ^2/NDF: 1709859.9/44

Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 81.279+/-0.012 χ^2/NDF:3733463.3/37

Out: 81.788+/-0.012 χ^2/NDF:4250602.1/41

All: 81.533+/-0.008 χ^2/NDF: 7984974.5/79



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -304.880+/-110.941 χ^2/NDF:52.8/22

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: 35.808+/-109.048 χ^2/NDF:31.3/21

Left: -131.605+/-77.769 χ^2/NDF: 88.9/44

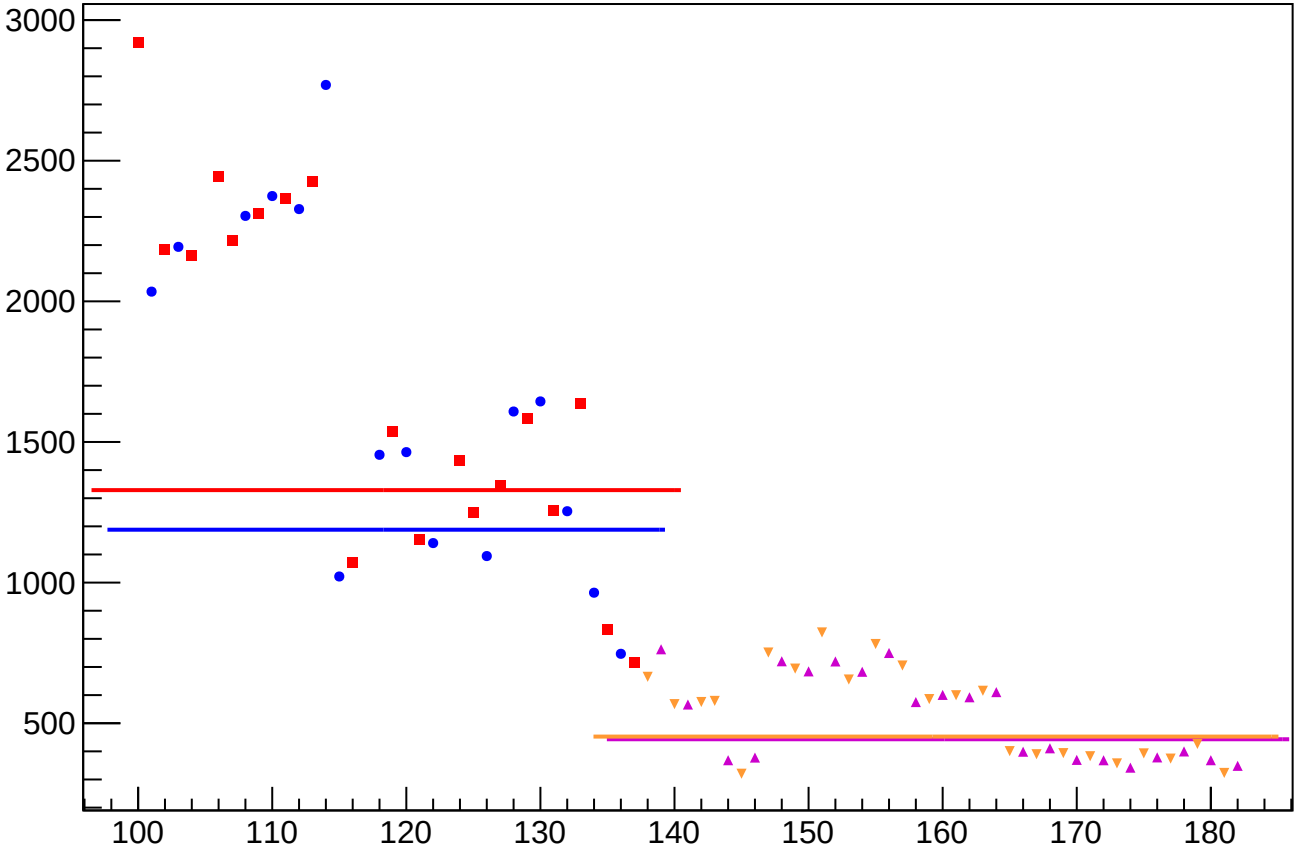
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -24.722+/-106.327 χ^2/NDF:53.5/37

Out: -270.297+/-108.515 χ^2/NDF:68.9/41

All: -145.009+/-75.946 χ^2/NDF: 125.0/79

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: 452.538+/-0.078 χ^2/NDF:3015736.1/22

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 443.032+/-0.077 χ^2/NDF:2659521.8/21

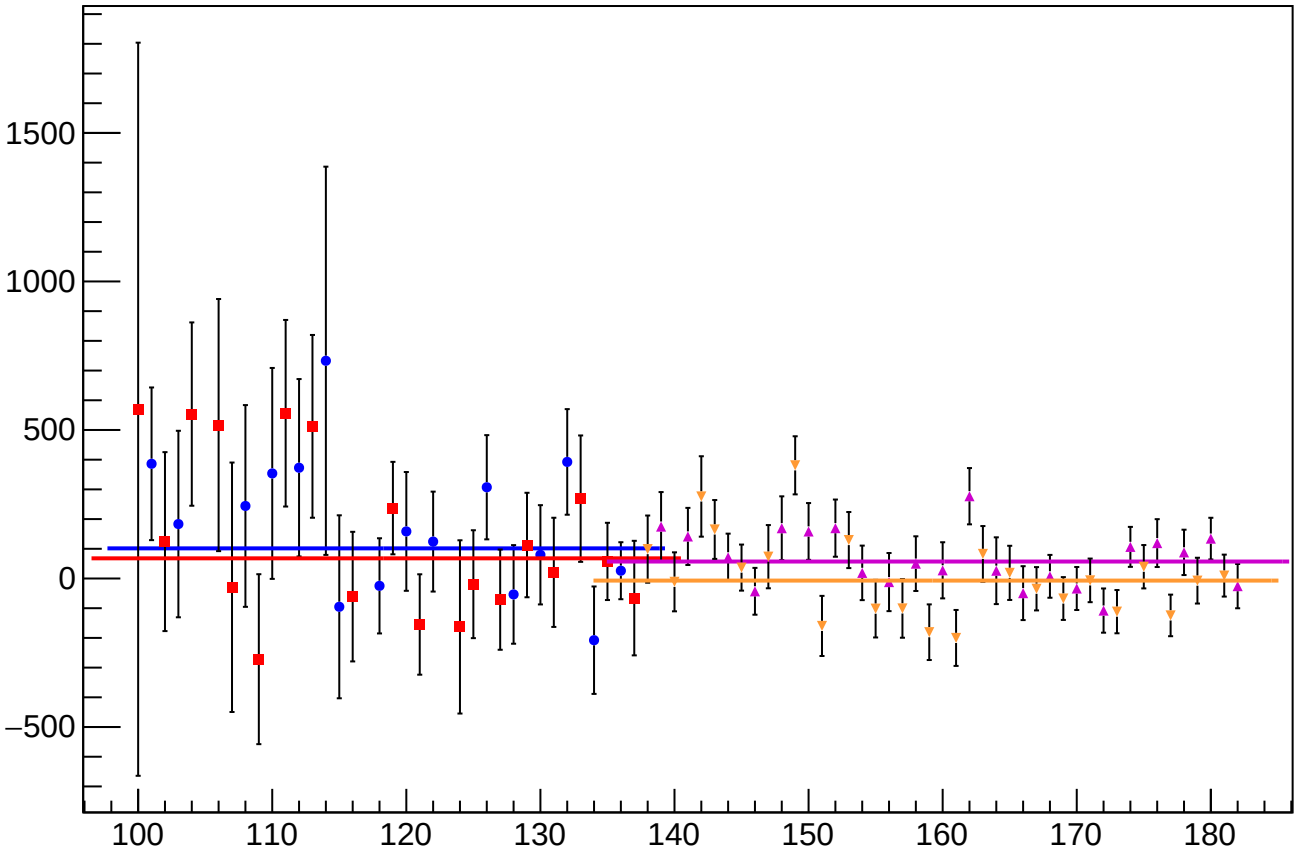
Left: 447.703+/-0.055 χ^2/NDF: 5682726.0/44

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 479.757+/-0.075 χ^2/NDF:9305974.1/37

Out: 490.442+/-0.077 χ^2/NDF:10370787.9/41

All: 484.990+/-0.054 χ^2/NDF: 19686655.5/79



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -7.012+/-17.987 χ^2/NDF:46.0/22

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 57.108+/-18.067 χ^2/NDF:25.3/21

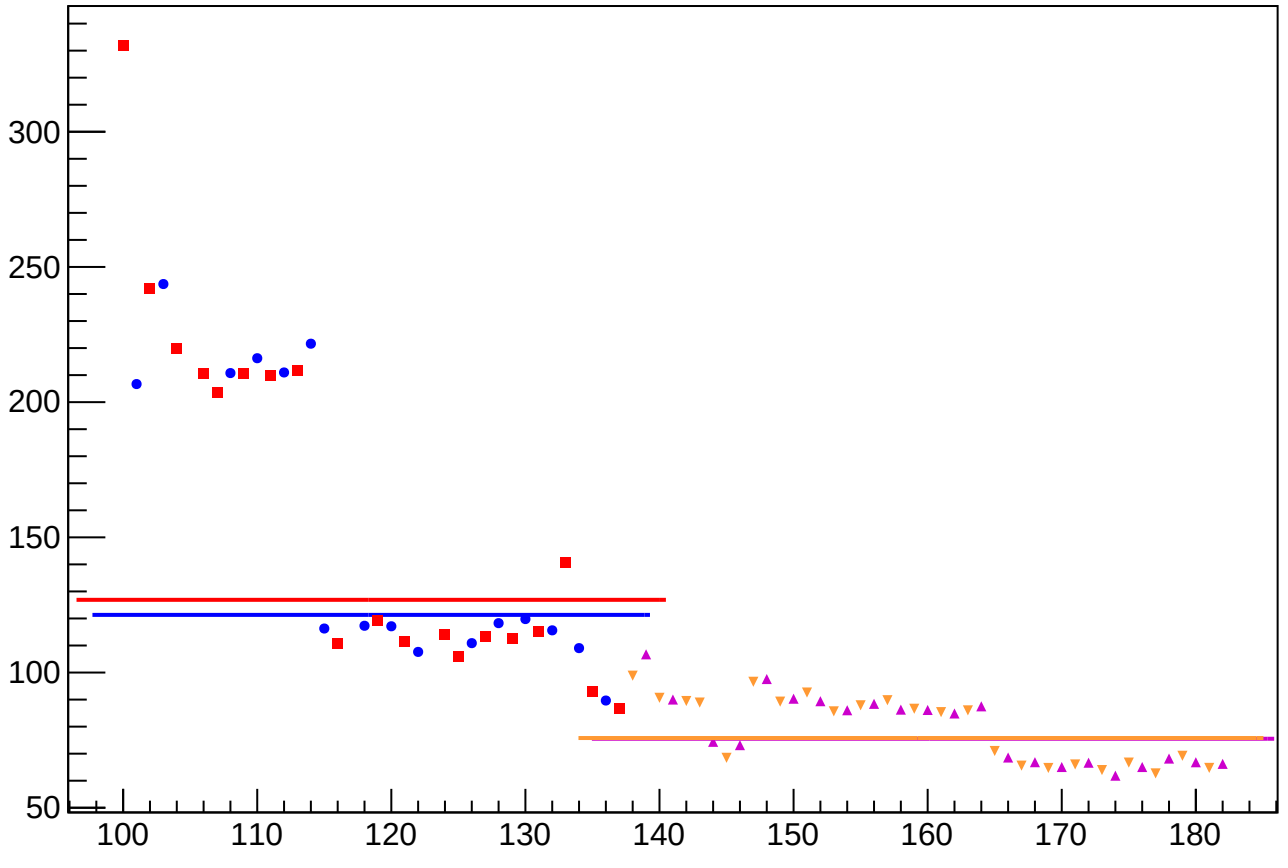
Left: 24.906+/-12.747 χ^2/NDF: 77.6/44

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 62.685+/-16.893 χ^2/NDF:39.5/37

Out: 1.777+/-16.899 χ^2/NDF:64.1/41

All: 32.243+/-11.947 χ^2/NDF: 110.0/79



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 75.784+/-0.013 χ^2/NDF:880052.6/22

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 75.517+/-0.013 χ^2/NDF:829588.4/21

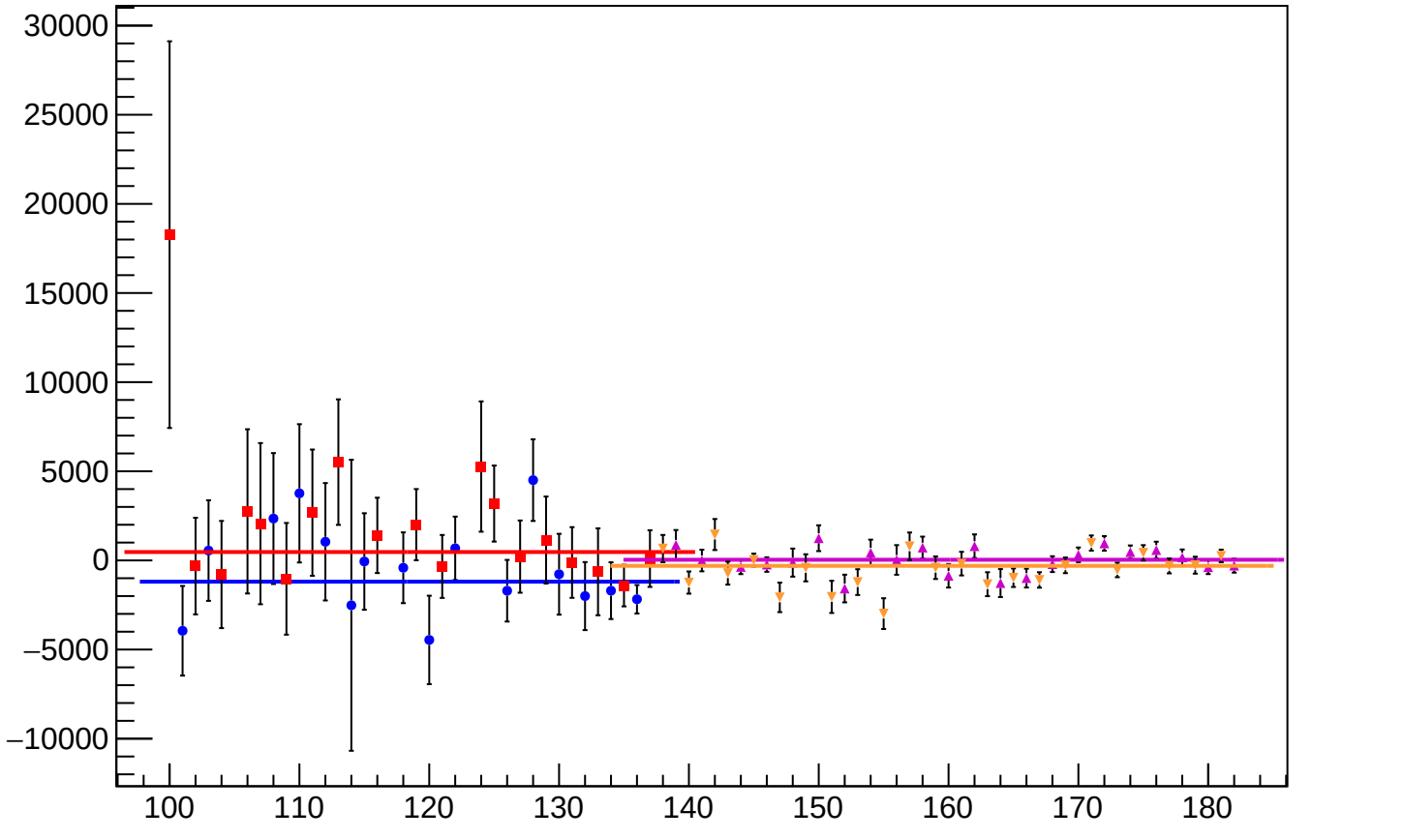
Left: 75.651+/-0.009 χ^2/NDF: 1709859.8/44

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 81.279+/-0.012 χ^2/NDF:3733465.3/37

Out: 81.782+/-0.012 χ^2/NDF:4240568.4/41

All: 81.530+/-0.008 χ^2/NDF: 7974919.7/79



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -304.878+/-110.941 χ^2/NDF:52.8/22

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 35.809+/-109.048 χ^2/NDF:31.3/21

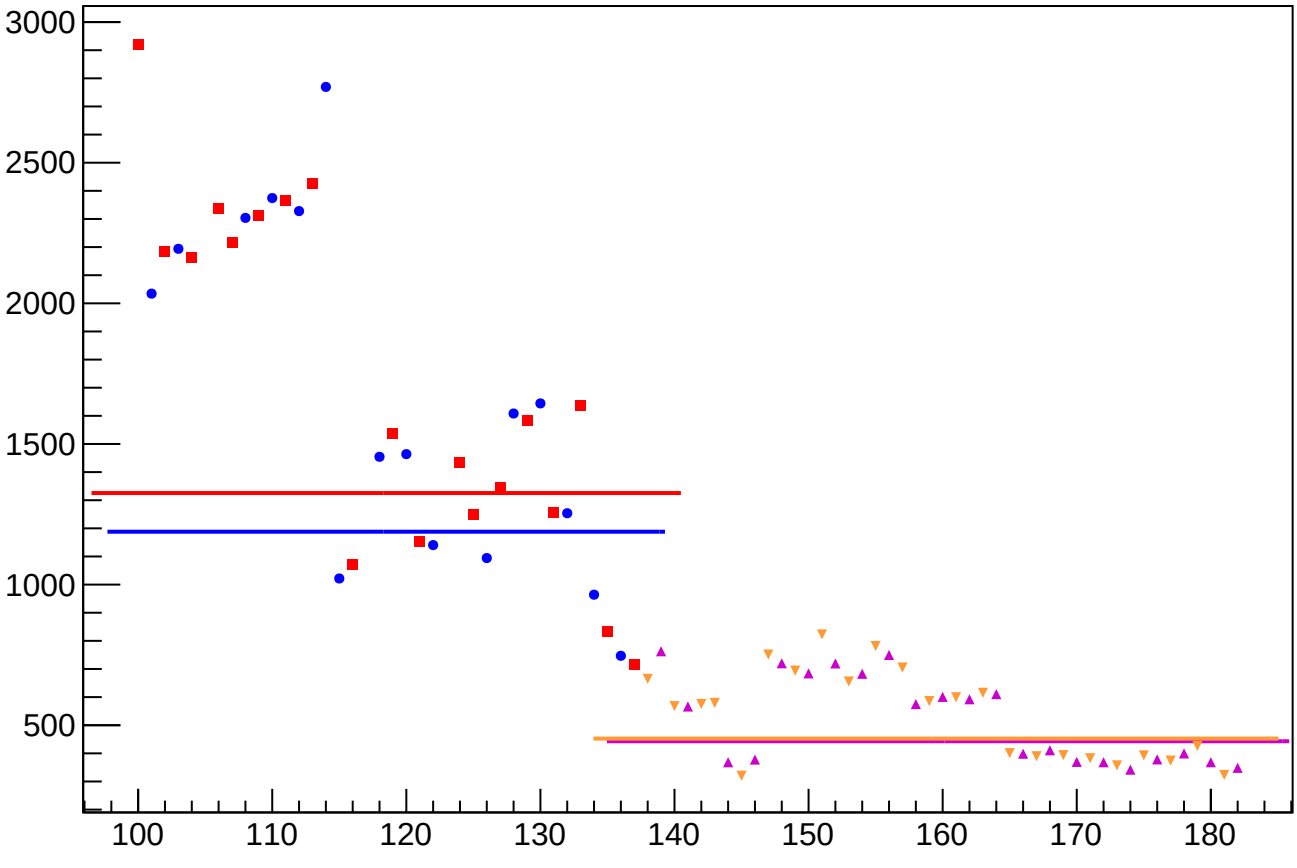
Left: -131.604+/-77.769 χ^2/NDF: 88.9/44

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -24.720+/-106.327 χ^2/NDF:53.5/37

Out: -271.426+/-108.519 χ^2/NDF:68.3/41

All: -145.556+/-75.948 χ^2/NDF: 124.4/79



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 452.537+/-0.078 χ^2/NDF:3015738.9/22

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 443.032+/-0.077 χ^2/NDF:2659518.0/21

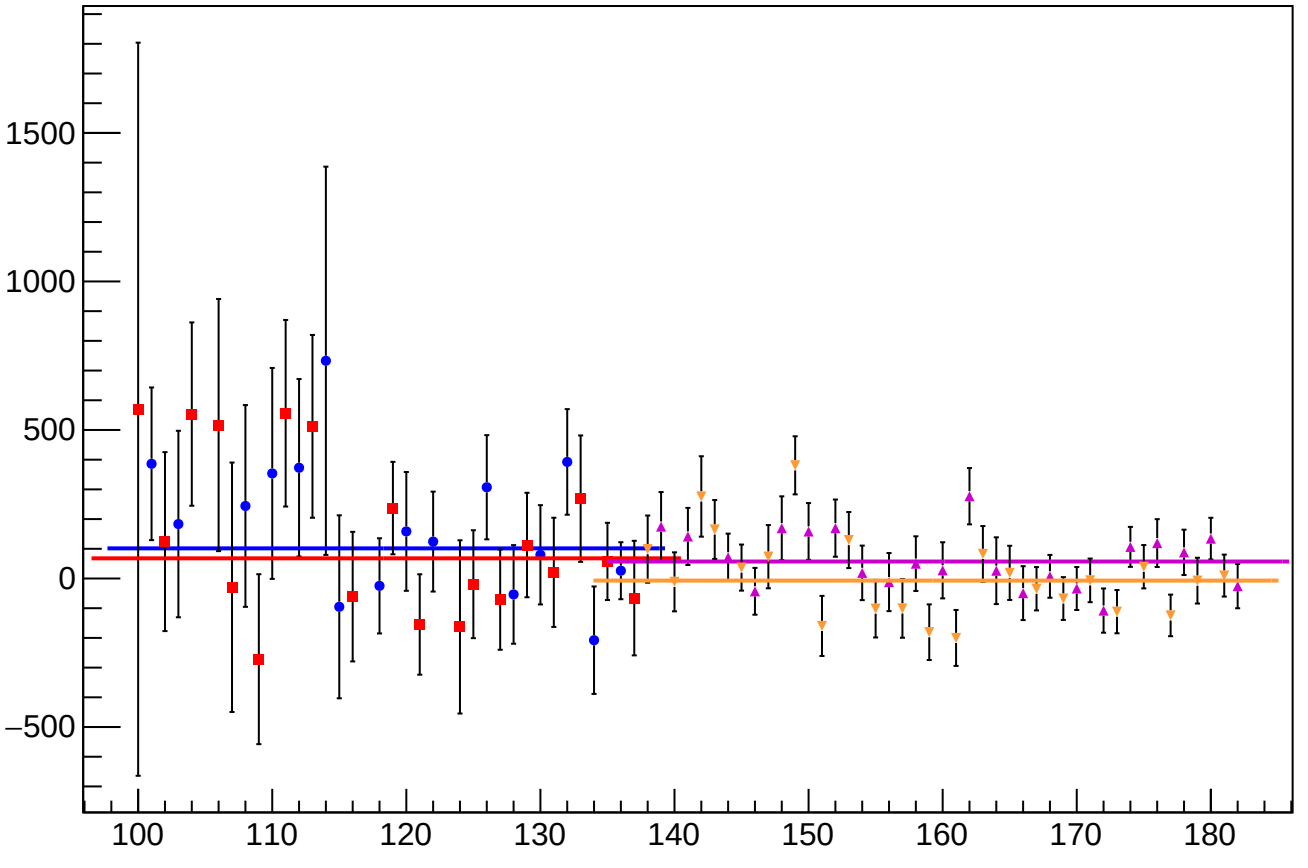
Left: 447.703+/-0.055 χ^2/NDF: 5682724.2/44

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 479.757+/-0.075 χ^2/NDF:9305981.7/37

Out: 490.239+/-0.077 χ^2/NDF:10285250.0/41

All: 484.891+/-0.054 χ^2/NDF: 19600752.4/79



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -7.012+/-17.987 χ^2/NDF:46.0/22

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 57.108+/-18.067 χ^2/NDF:25.3/21

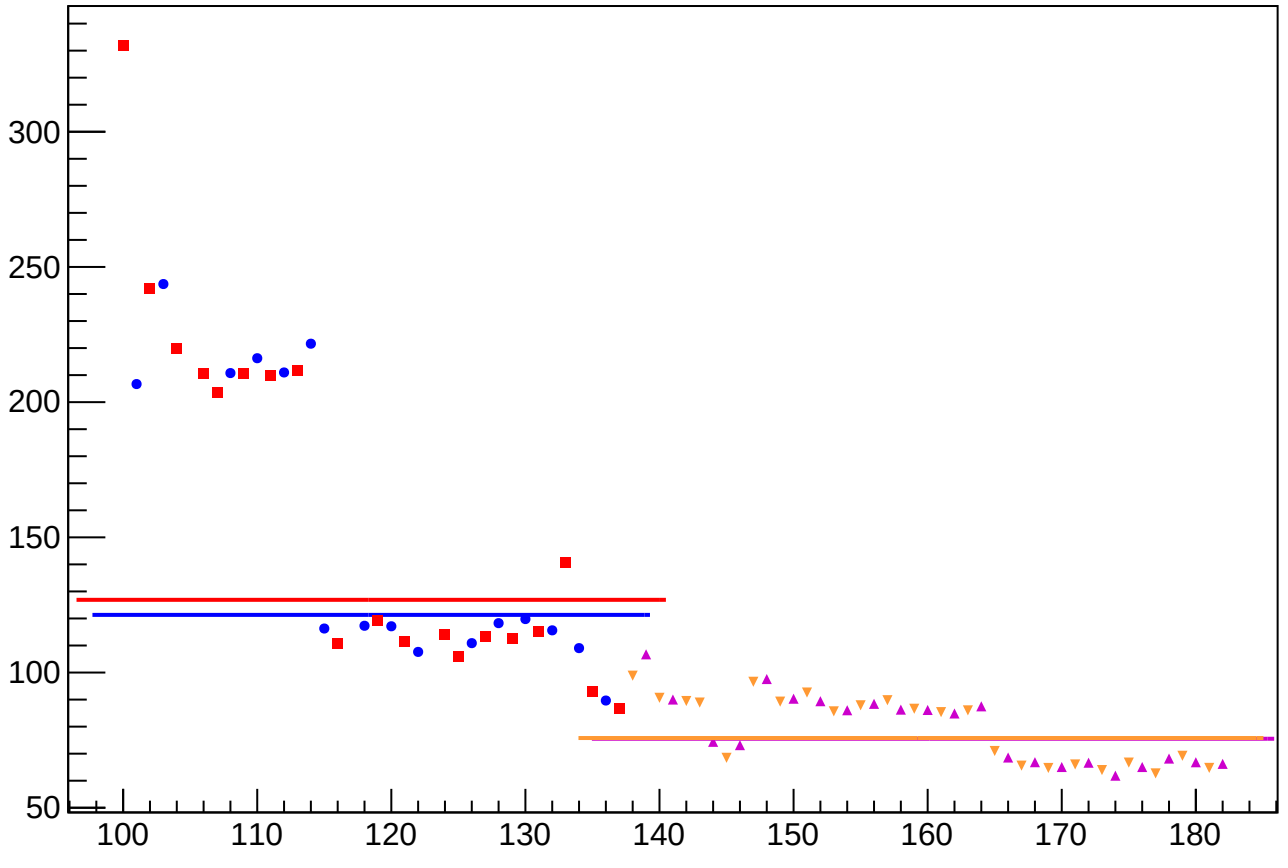
Left: 24.906+/-12.747 χ^2/NDF: 77.6/44

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 62.685+/-16.893 χ^2/NDF:39.5/37

Out: 1.777+/-16.899 χ^2/NDF:64.1/41

All: 32.243+/-11.947 χ^2/NDF: 110.0/79



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 75.784+/-0.013 χ^2/NDF:880052.6/22

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 75.517+/-0.013 χ^2/NDF:829588.4/21

Left: 75.651+/-0.009 χ^2/NDF: 1709859.8/44

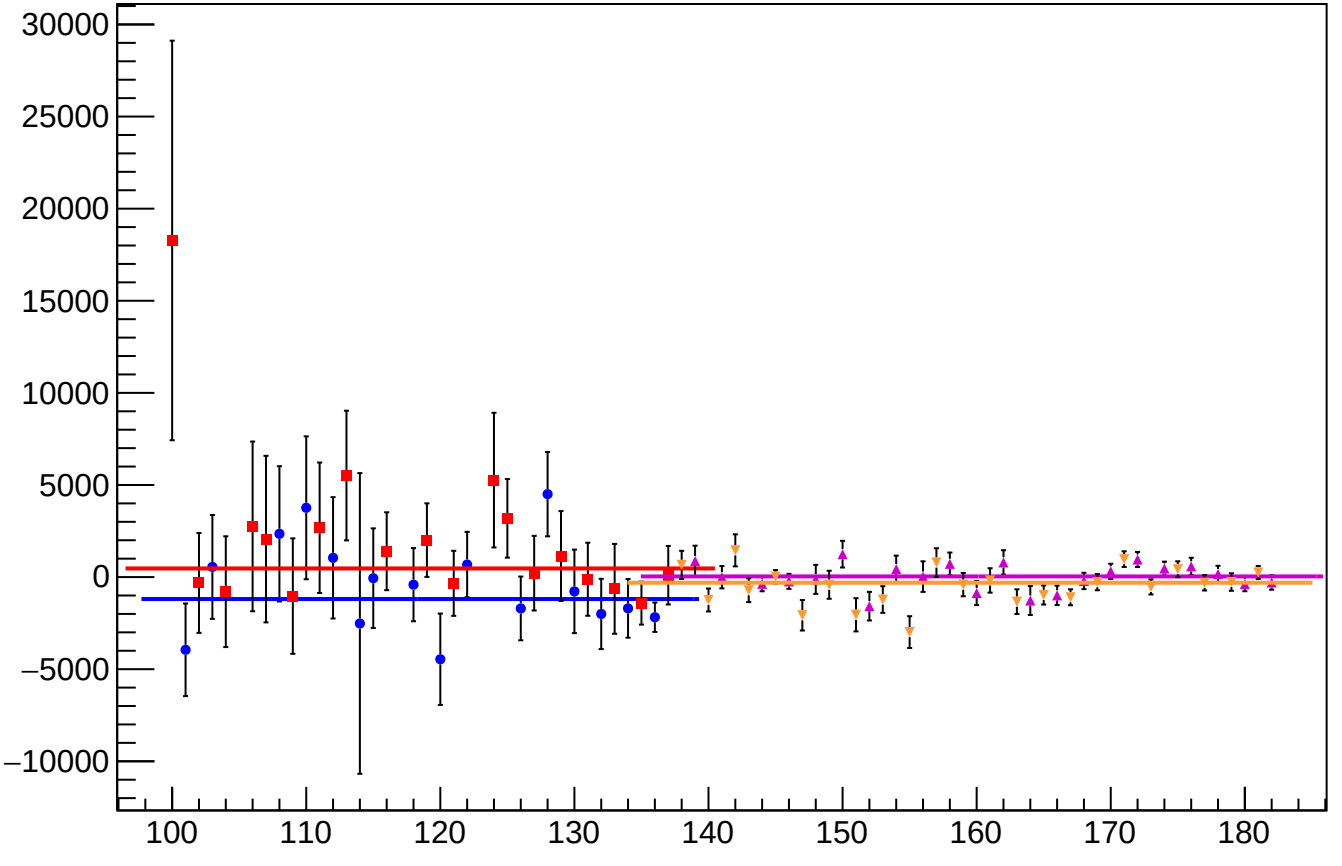
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 81.279+/-0.012 χ^2/NDF:3733465.3/37

Out: 81.782+/-0.012 χ^2/NDF:4240568.4/41

All: 81.530+/-0.008 χ^2/NDF: 7974919.7/79

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: -304.878+/-110.941 χ^2/NDF:52.8/22

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 35.809+/-109.048 χ^2/NDF:31.3/21

Left: -131.604+/-77.769 χ^2/NDF: 88.9/44

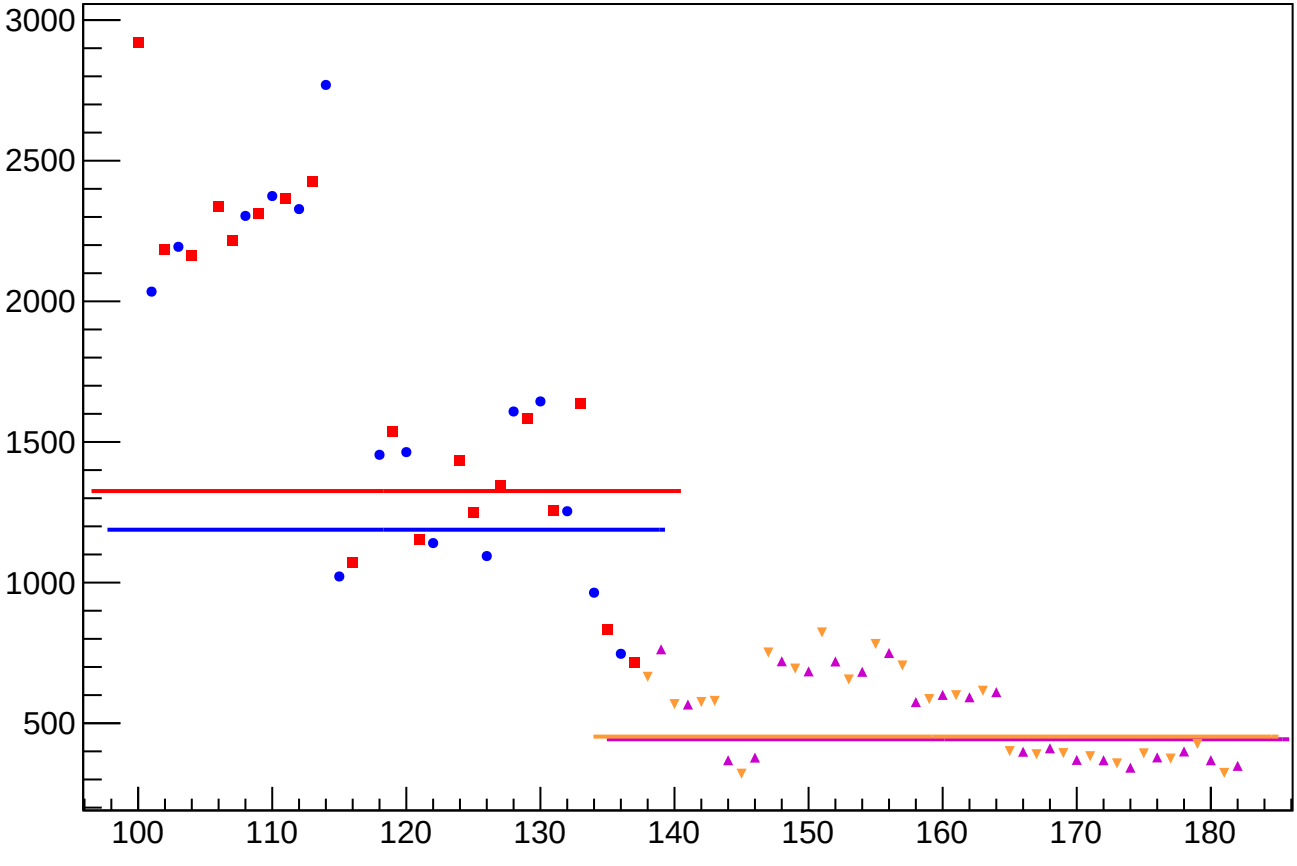
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -24.720+/-106.327 χ^2/NDF:53.5/37

Out: -271.426+/-108.519 χ^2/NDF:68.3/41

All: -145.556+/-75.948 χ^2/NDF: 124.4/79

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: 452.537+/-0.078 χ^2/NDF:3015738.9/22

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 443.032+/-0.077 χ^2/NDF:2659518.0/21

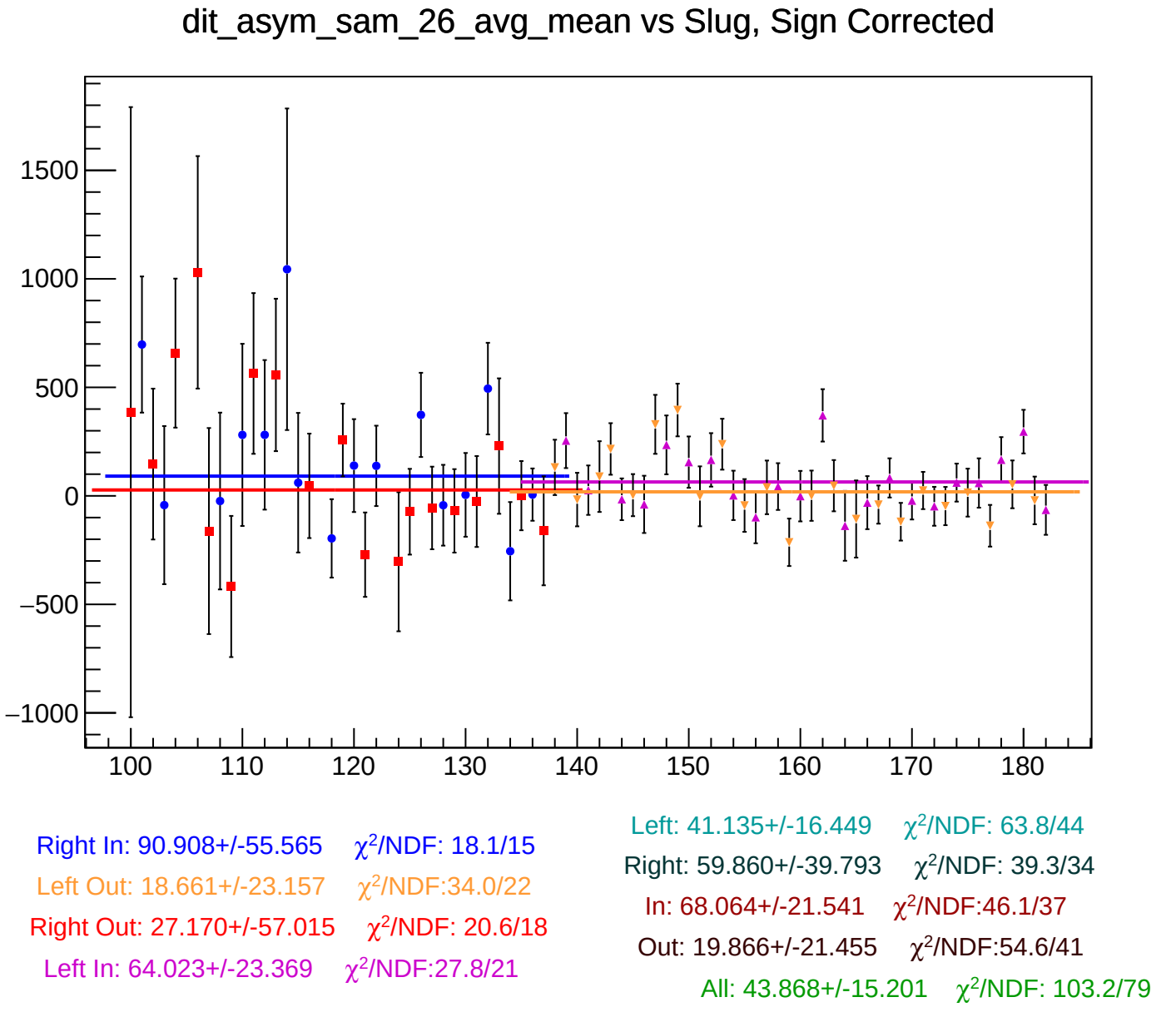
Left: 447.703+/-0.055 χ^2/NDF: 5682724.2/44

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

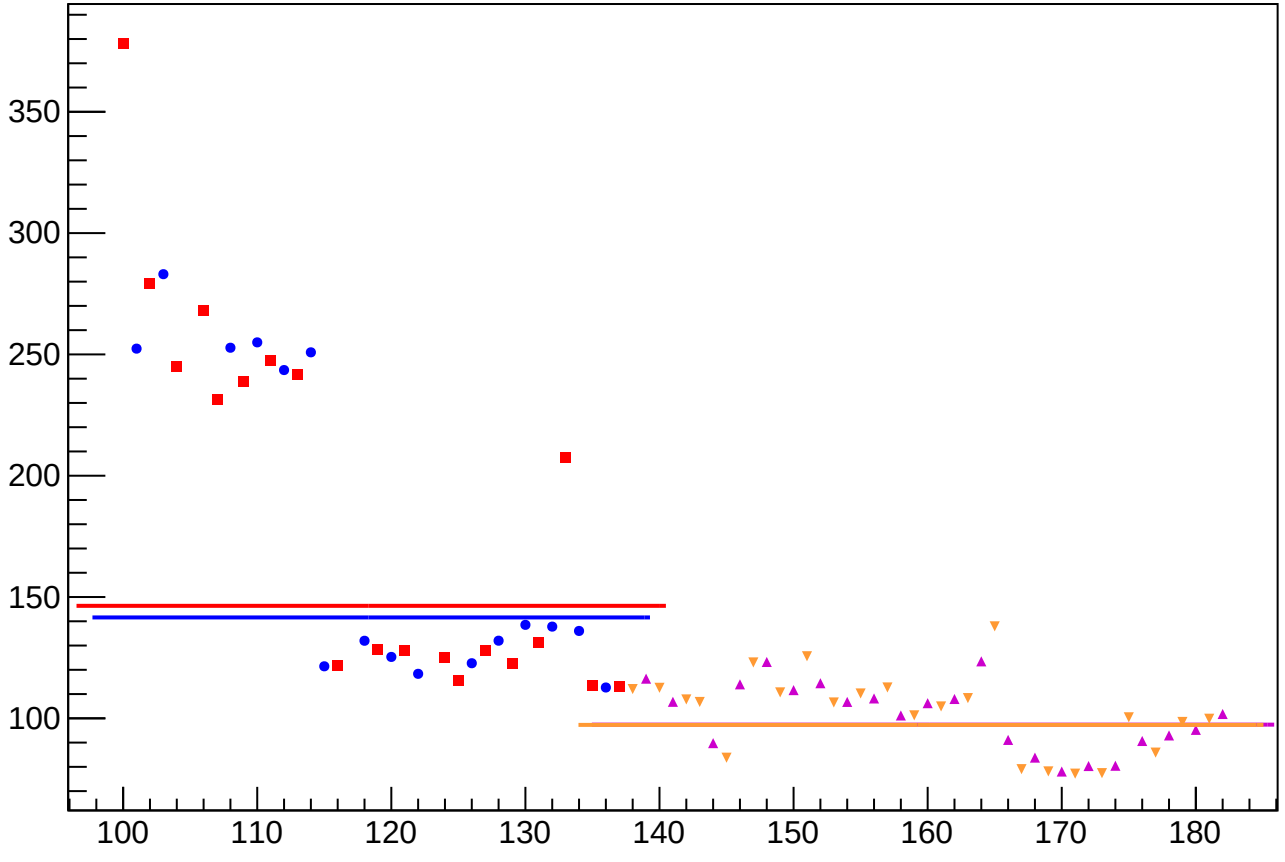
In: 479.757+/-0.075 χ^2/NDF:9305981.7/37

Out: 490.239+/-0.077 χ^2/NDF:10285250.0/41

All: 484.891+/-0.054 χ^2/NDF: 19600752.4/79


dit_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: 90.908+/-55.565 χ²/NDF: 18.1/15
Left Out: 18.661+/-23.157 χ²/NDF:34.0/22
Right Out: 27.170+/-57.015 χ²/NDF: 20.6/18
Left In: 64.023+/-23.369 χ²/NDF:27.8/21
Left: 41.135+/-16.449 χ²/NDF: 63.8/44
Right: 59.860+/-39.793 χ²/NDF: 39.3/34
In: 68.064+/-21.541 χ²/NDF:46.1/37
Out: 19.866+/-21.455 χ²/NDF:54.6/41
All: 43.868+/-15.201 χ²/NDF: 103.2/79

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.296+/-0.016 χ^2/NDF:922535.8/22

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 97.397+/-0.017 χ^2/NDF:665442.4/21

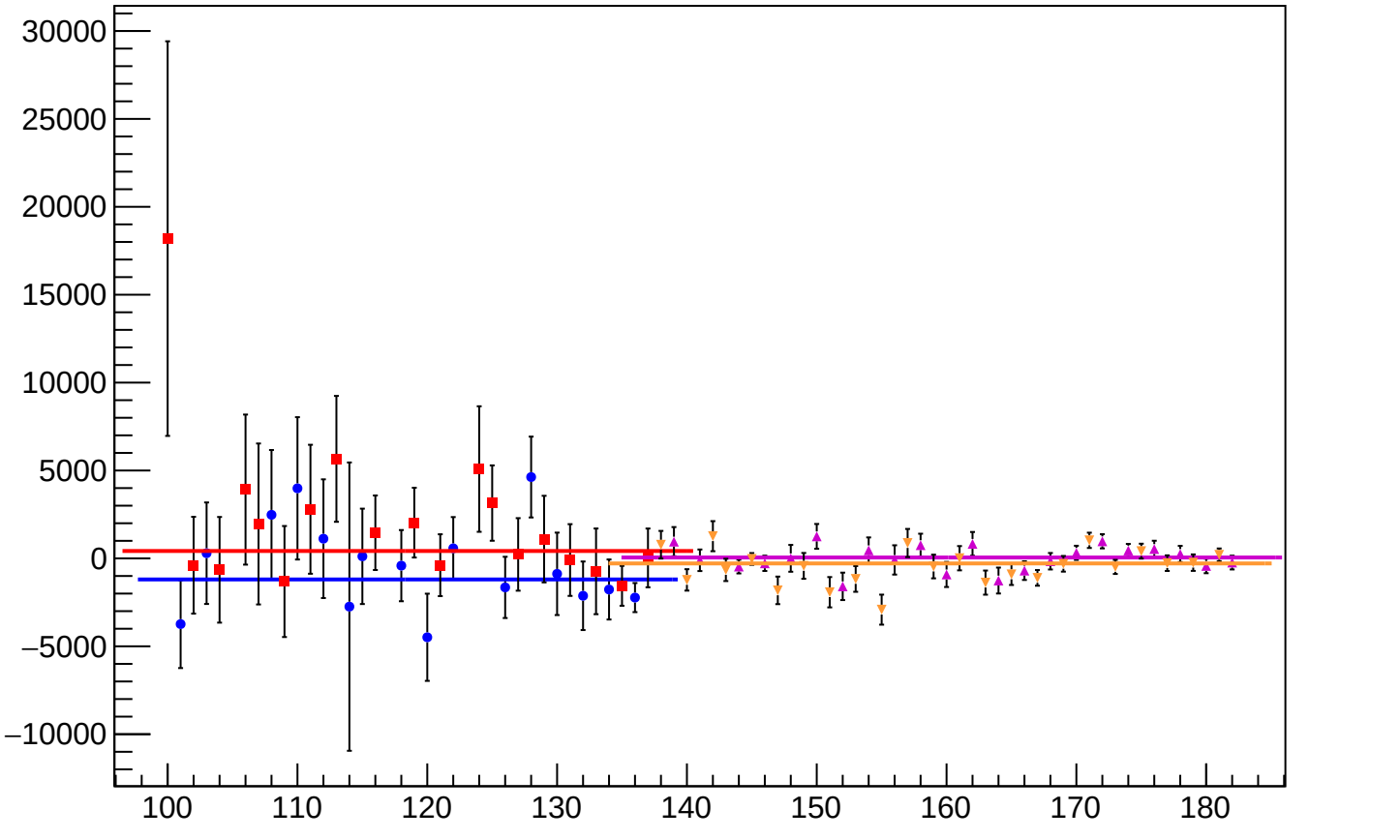
Left: 97.346+/-0.012 χ^2/NDF: 1587997.0/44

Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 104.038+/-0.015 χ^2/NDF:3002627.5/37

Out: 104.245+/-0.015 χ^2/NDF:3707966.4/41

All: 104.142+/-0.011 χ^2/NDF: 6710686.0/79



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -286.403+/-111.487 χ^2/NDF:50.1/22

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: 51.828+/-110.417 χ^2/NDF:30.7/21

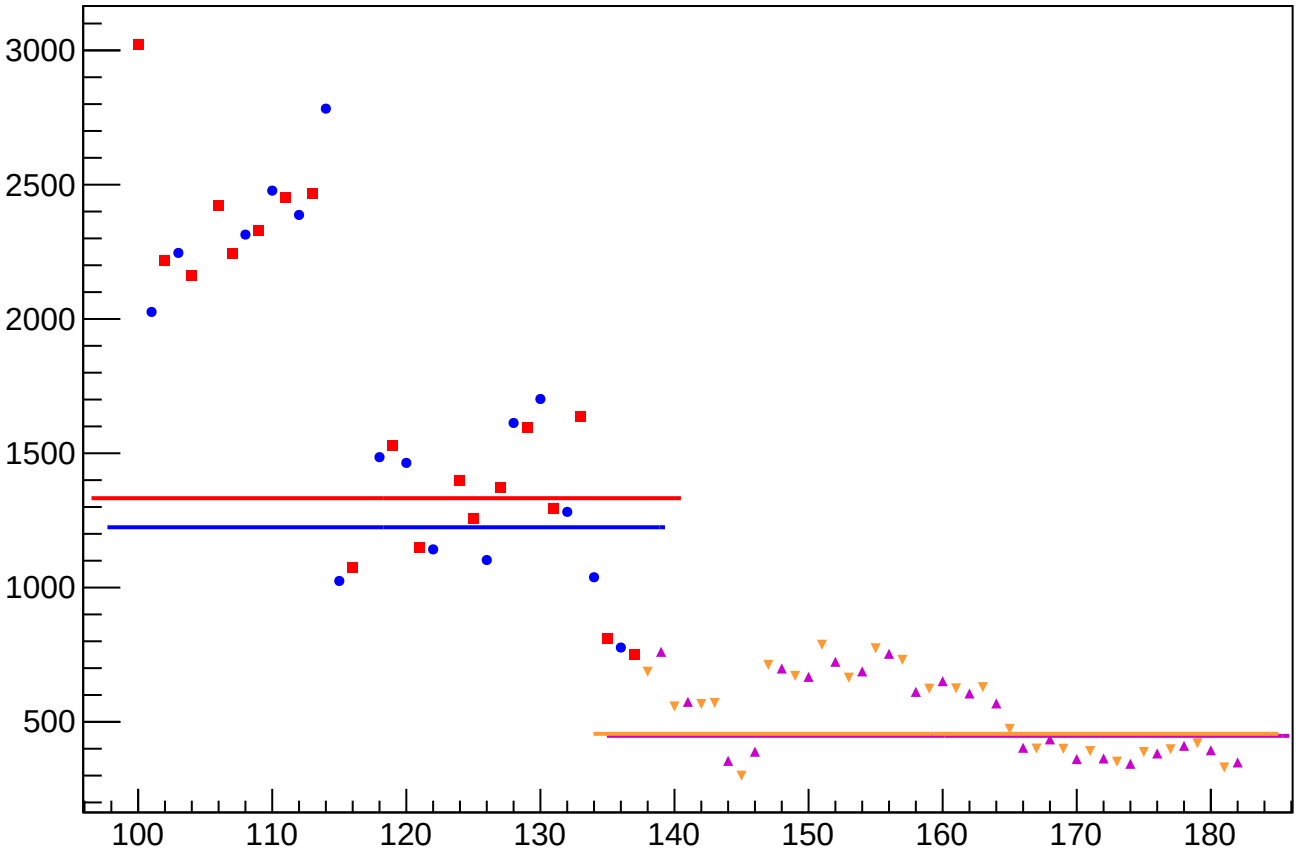
Left: -115.657+/-78.452 χ^2/NDF: 85.5/44

Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: -8.183+/-107.731 χ^2/NDF:52.9/37

Out: -255.699+/-109.045 χ^2/NDF:66.1/41

All: -130.440+/-76.638 χ^2/NDF: 121.6/79



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 455.531+/-0.079 χ^2/NDF:3077801.5/22

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 447.991+/-0.078 χ^2/NDF:2676129.8/21

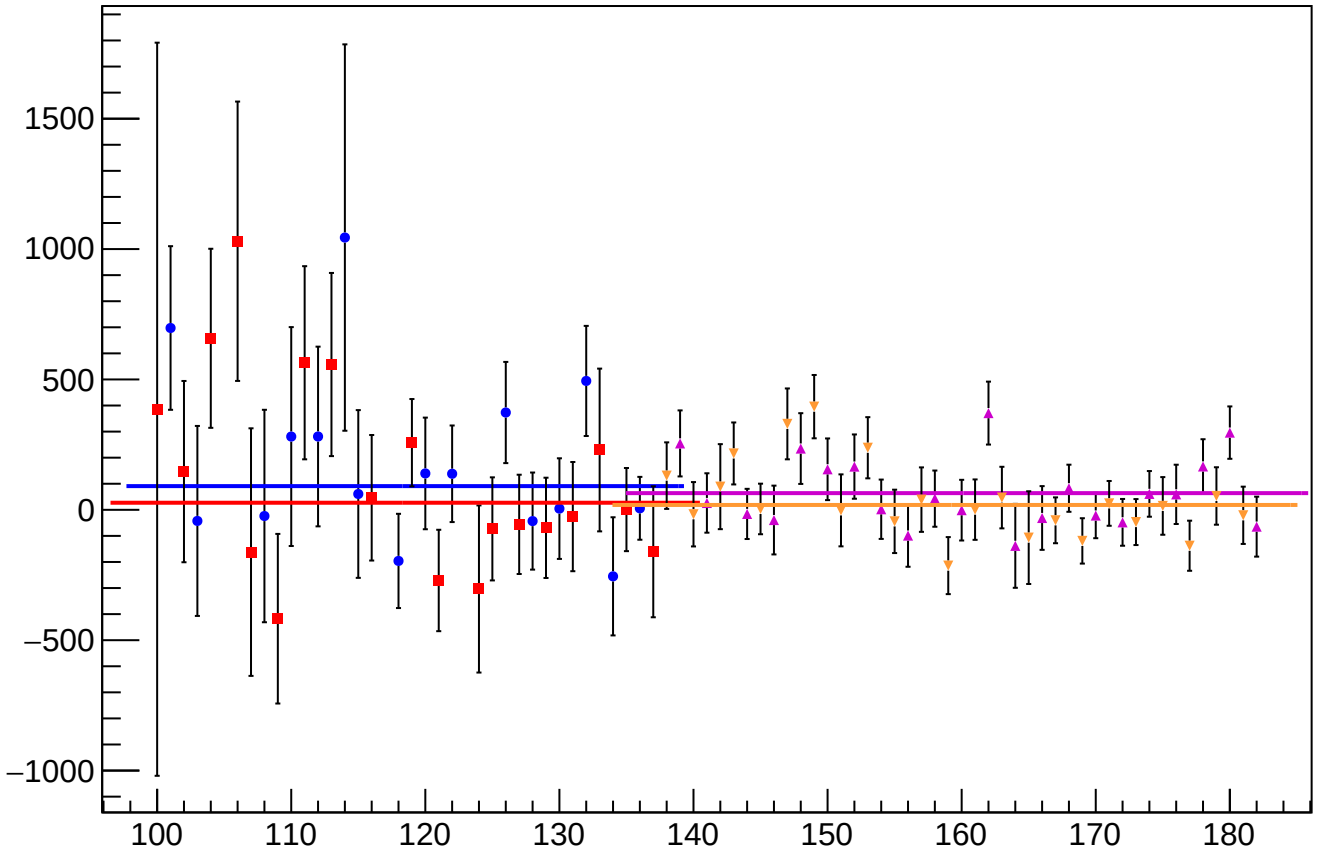
Left: 451.725+/-0.055 χ^2/NDF: 5758549.1/44

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 485.313+/-0.076 χ^2/NDF:9389436.6/37

Out: 493.545+/-0.077 χ^2/NDF:10438650.9/41

All: 489.380+/-0.054 χ^2/NDF: 19833855.5/79



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 18.659+/-23.157 χ^2/NDF:34.0/22

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 64.023+/-23.369 χ^2/NDF:27.8/21

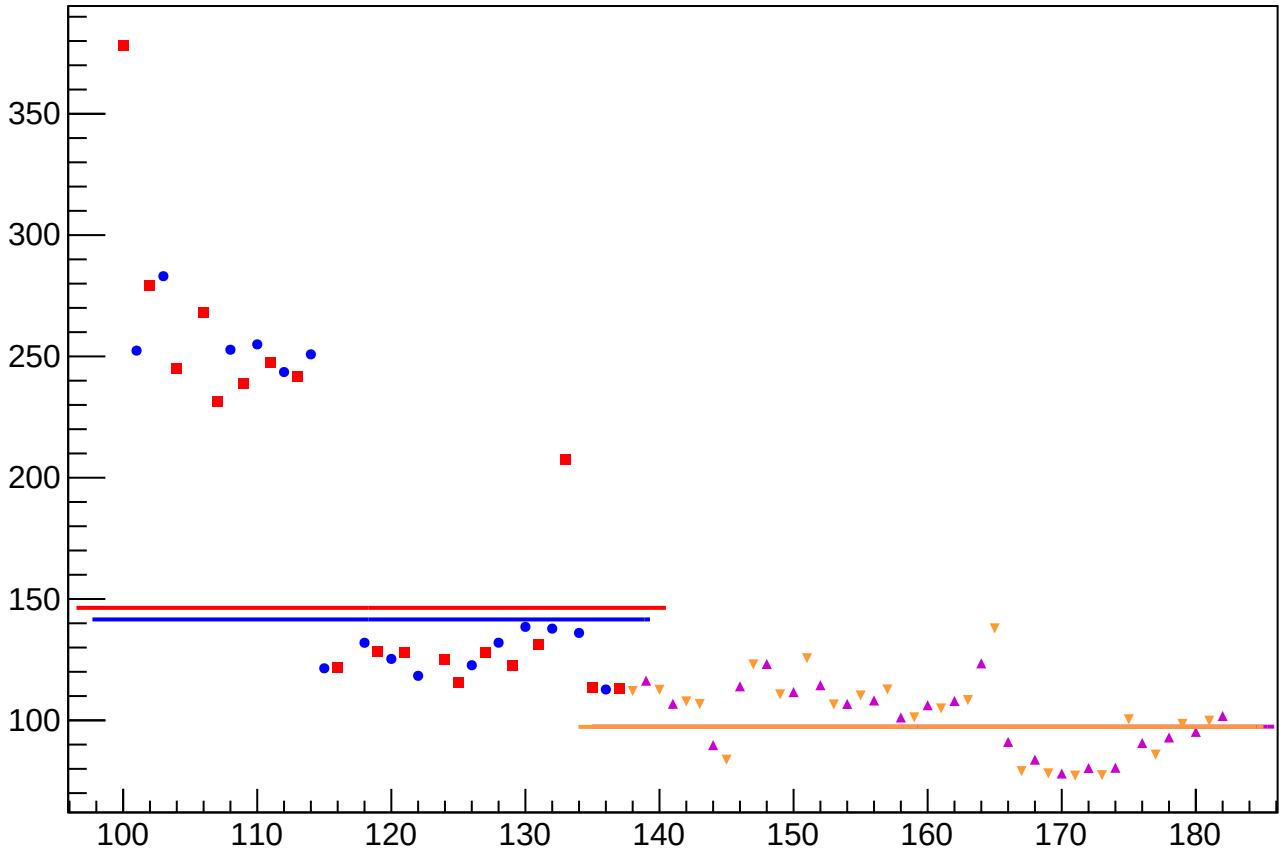
Left: 41.134+/-16.449 χ^2/NDF: 63.8/44

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 68.064+/-21.541 χ^2/NDF:46.1/37

Out: 19.865+/-21.455 χ^2/NDF:54.6/41

All: 43.867+/-15.201 χ^2/NDF: 103.2/79



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.296+/-0.016 χ^2/NDF:922535.7/22

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.397+/-0.017 χ^2/NDF:665431.5/21

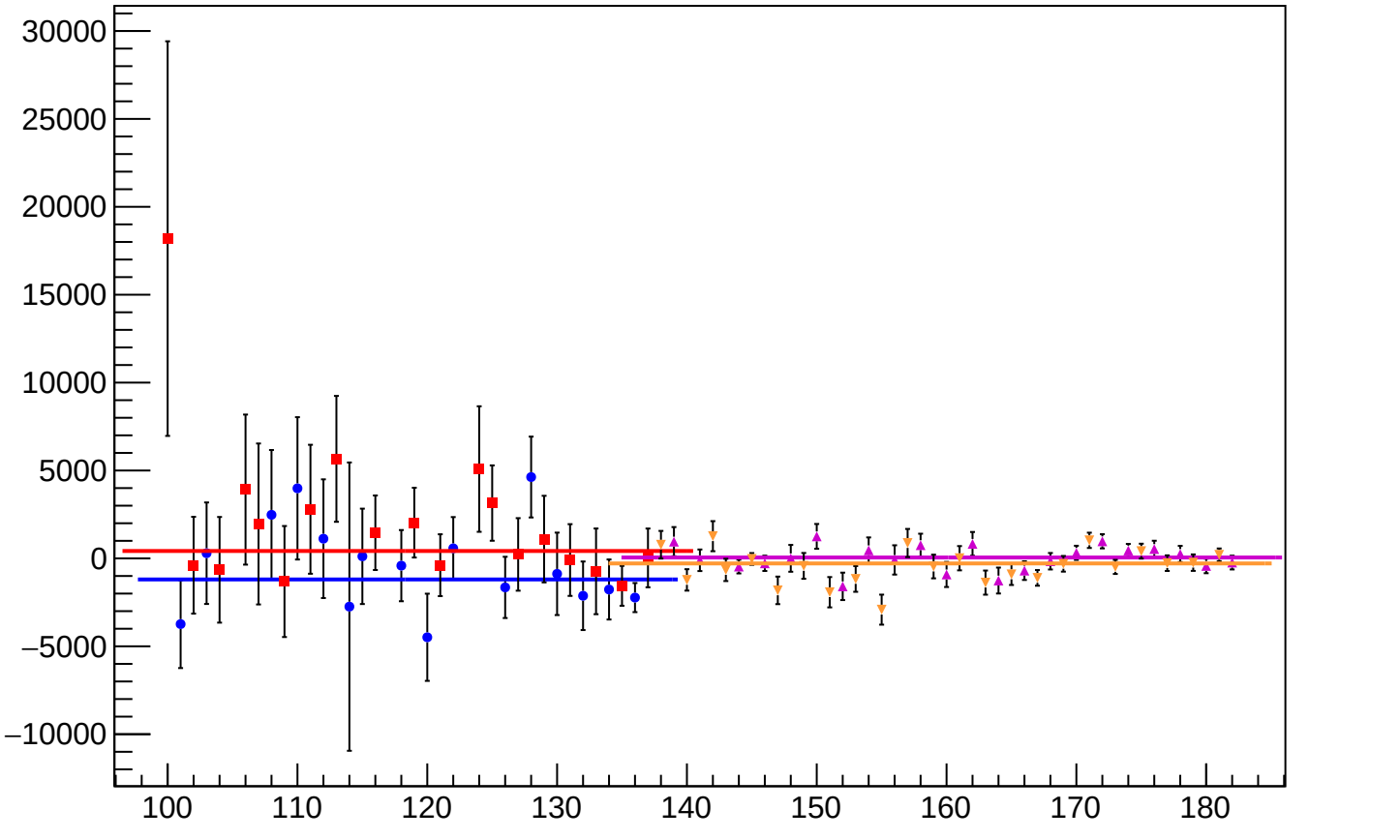
Left: 97.346+/-0.012 χ^2/NDF: 1587986.0/44

Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 104.039+/-0.015 χ^2/NDF:3002556.1/37

Out: 104.245+/-0.015 χ^2/NDF:3707924.0/41

All: 104.142+/-0.011 χ^2/NDF: 6710572.1/79



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -286.402+/-111.487 χ^2/NDF:50.1/22

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 51.828+/-110.417 χ^2/NDF:30.7/21

Left: -115.657+/-78.452 χ^2/NDF: 85.5/44

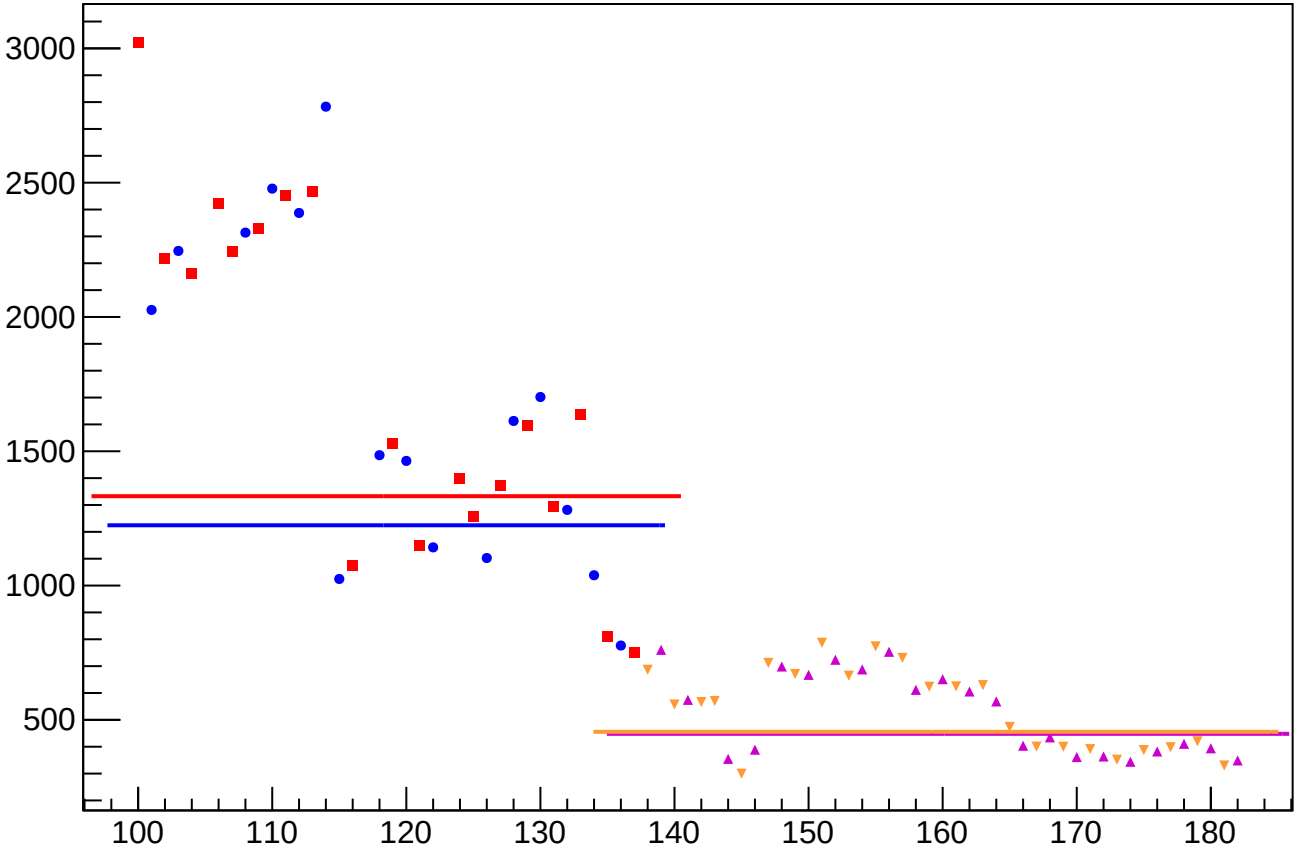
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -8.182+/-107.731 χ^2/NDF:52.9/37

Out: -255.698+/-109.045 χ^2/NDF:66.1/41

All: -130.440+/-76.638 χ^2/NDF: 121.6/79

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 455.530+/-0.079 χ^2/NDF:3077827.3/22

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 447.991+/-0.078 χ^2/NDF:2676141.8/21

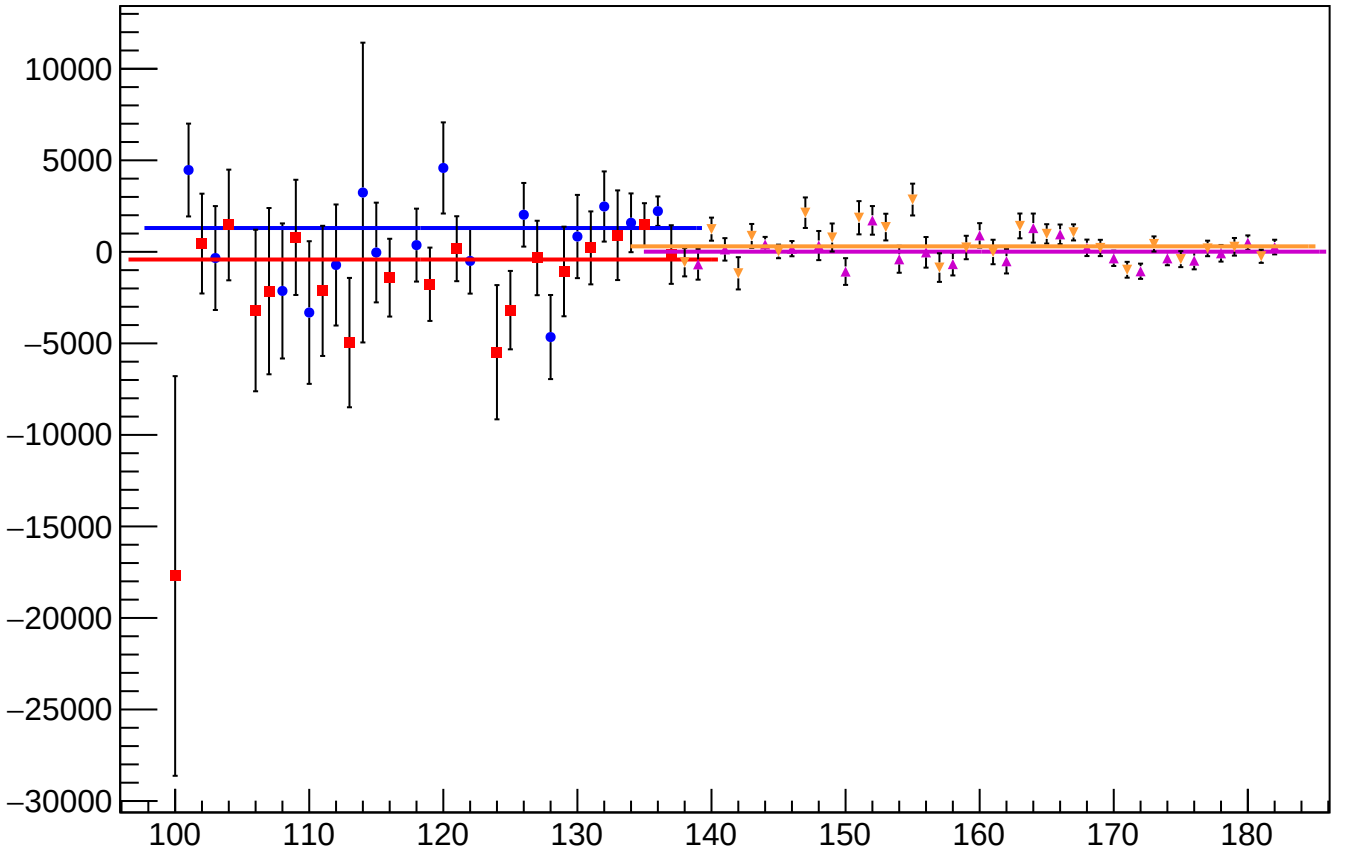
Left: 451.724+/-0.055 χ^2/NDF: 5758586.8/44

Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 485.313+/-0.076 χ^2/NDF:9389438.2/37

Out: 493.545+/-0.077 χ^2/NDF:10438670.9/41

All: 489.379+/-0.054 χ^2/NDF: 19833876.9/79



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 300.549+/-112.559 χ^2/NDF:50.1/22

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 9.174+/-110.710 χ^2/NDF:30.2/21

Left: 152.448+/-78.929 χ^2/NDF: 83.7/44

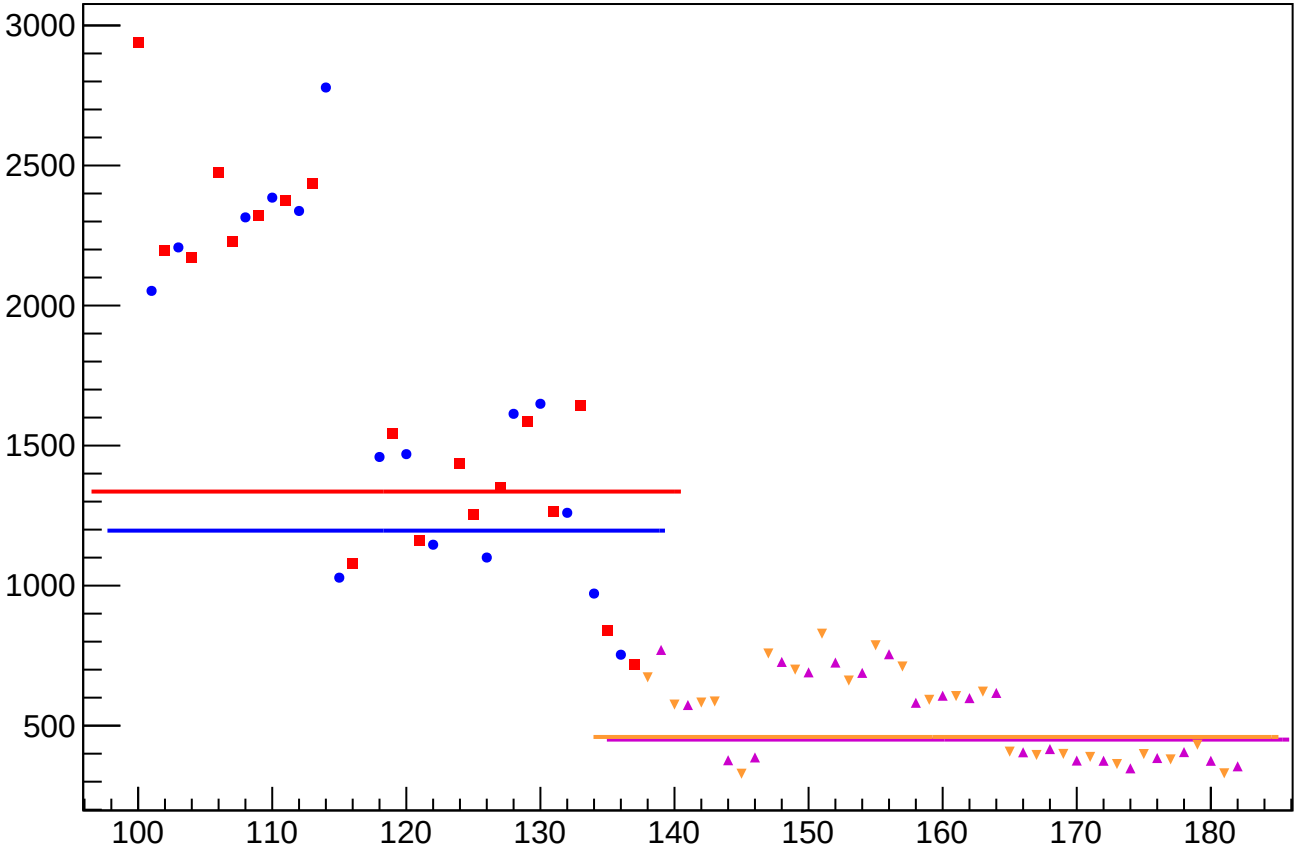
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 73.953+/-107.900 χ^2/NDF:53.5/37

Out: 268.902+/-110.054 χ^2/NDF:65.0/41

All: 169.501+/-77.047 χ^2/NDF: 120.1/79

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 459.678+/-0.080 χ^2/NDF:2943250.5/22

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 450.246+/-0.078 χ^2/NDF:2598474.0/21

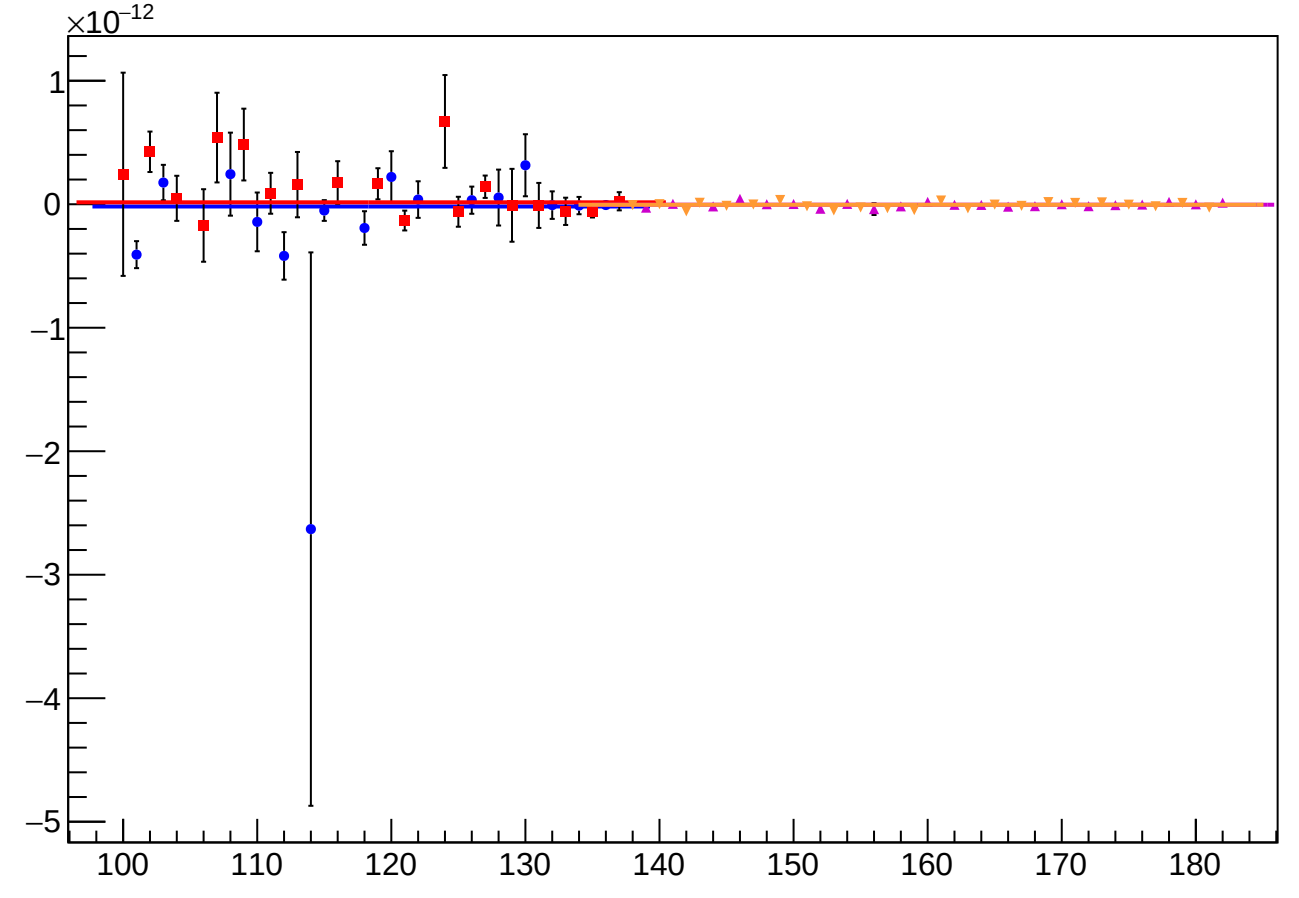
Left: 454.884+/-0.056 χ^2/NDF: 5548862.2/44

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 487.642+/-0.076 χ^2/NDF:9183006.1/37

Out: 498.249+/-0.078 χ^2/NDF:10229284.6/41

All: 492.841+/-0.054 χ^2/NDF: 19421764.0/79



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.7/21

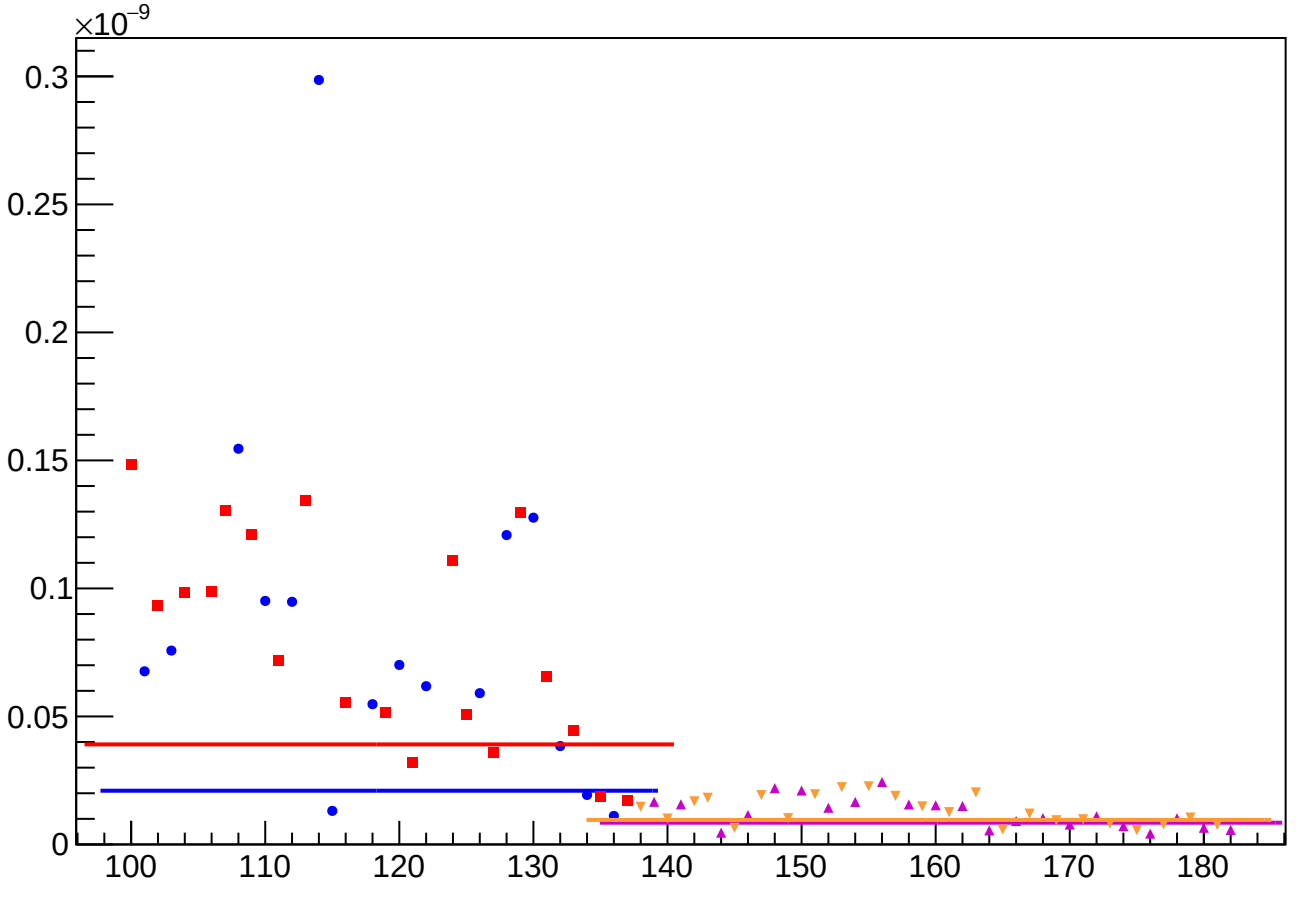
Left: -0.000+/-0.000 χ^2/NDF: 37.9/44

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:44.1/37

Out: -0.000+/-0.000 χ^2/NDF:47.3/41

All: -0.000+/-0.000 χ^2/NDF: 91.4/79



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2398609.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2732733.9/21

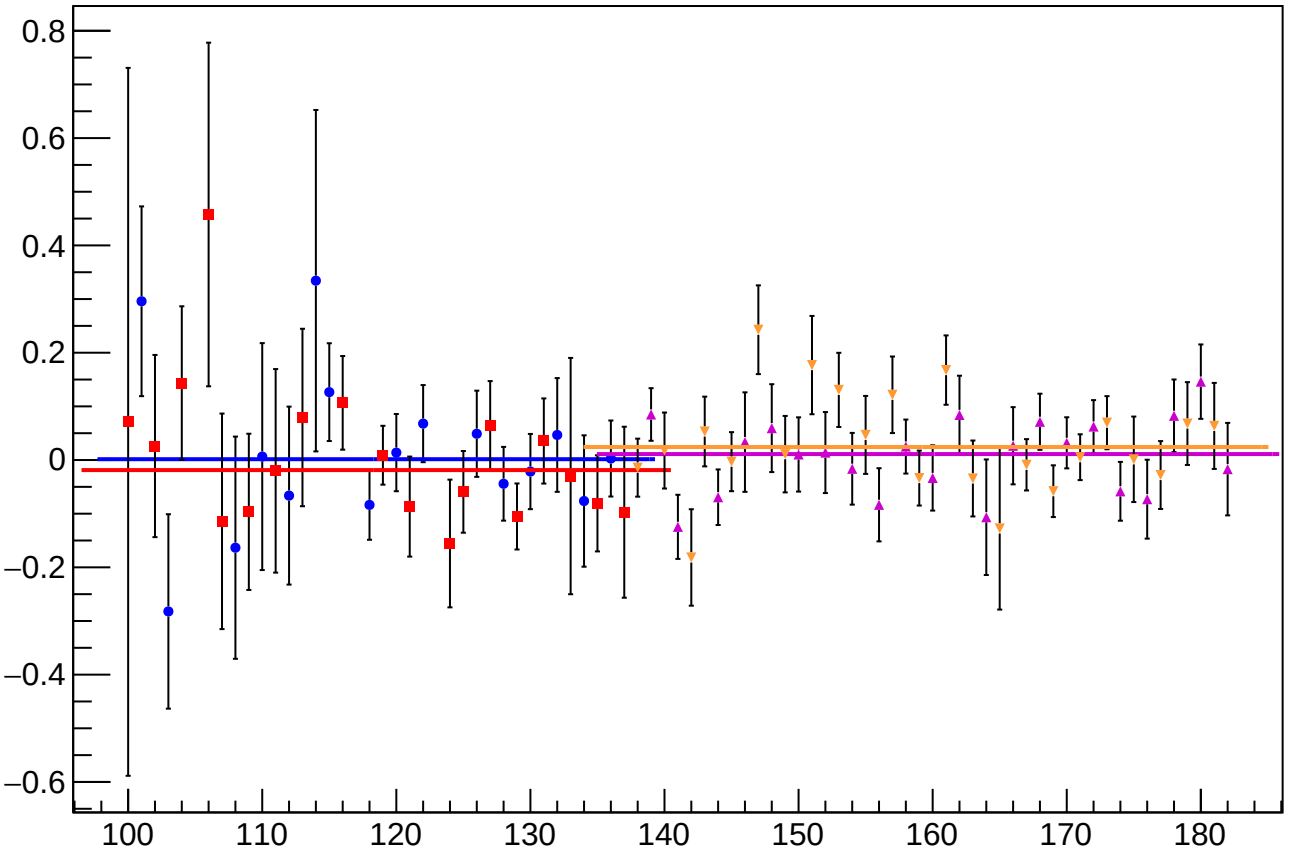
Left: 0.000+/-0.000 χ^2/NDF: 5208226.6/44

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:7054256.7/37

Out: 0.000+/-0.000 χ^2/NDF:6713524.8/41

All: 0.000+/-0.000 χ^2/NDF: 13855965.1/79



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.013 χ^2/NDF:34.0/22

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.011+/-0.013 χ^2/NDF:25.7/21

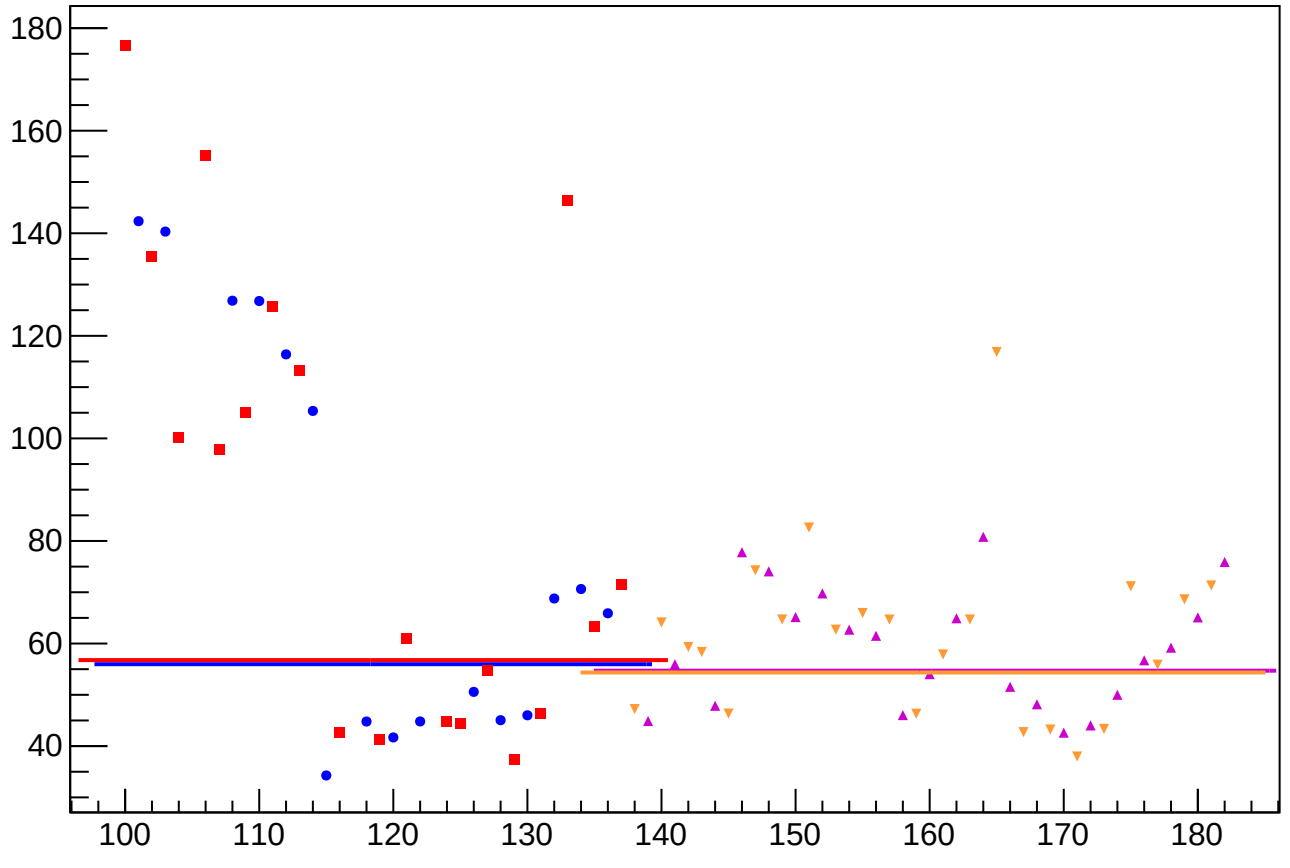
Left: 0.018+/-0.009 χ^2/NDF: 60.2/44

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.009+/-0.012 χ^2/NDF:38.9/37

Out: 0.014+/-0.012 χ^2/NDF:49.6/41

All: 0.011+/-0.008 χ^2/NDF: 88.6/79



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 54.356+/-0.009 χ^2/NDF:1905225.5/22

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.707+/-0.009 χ^2/NDF:1190564.1/21

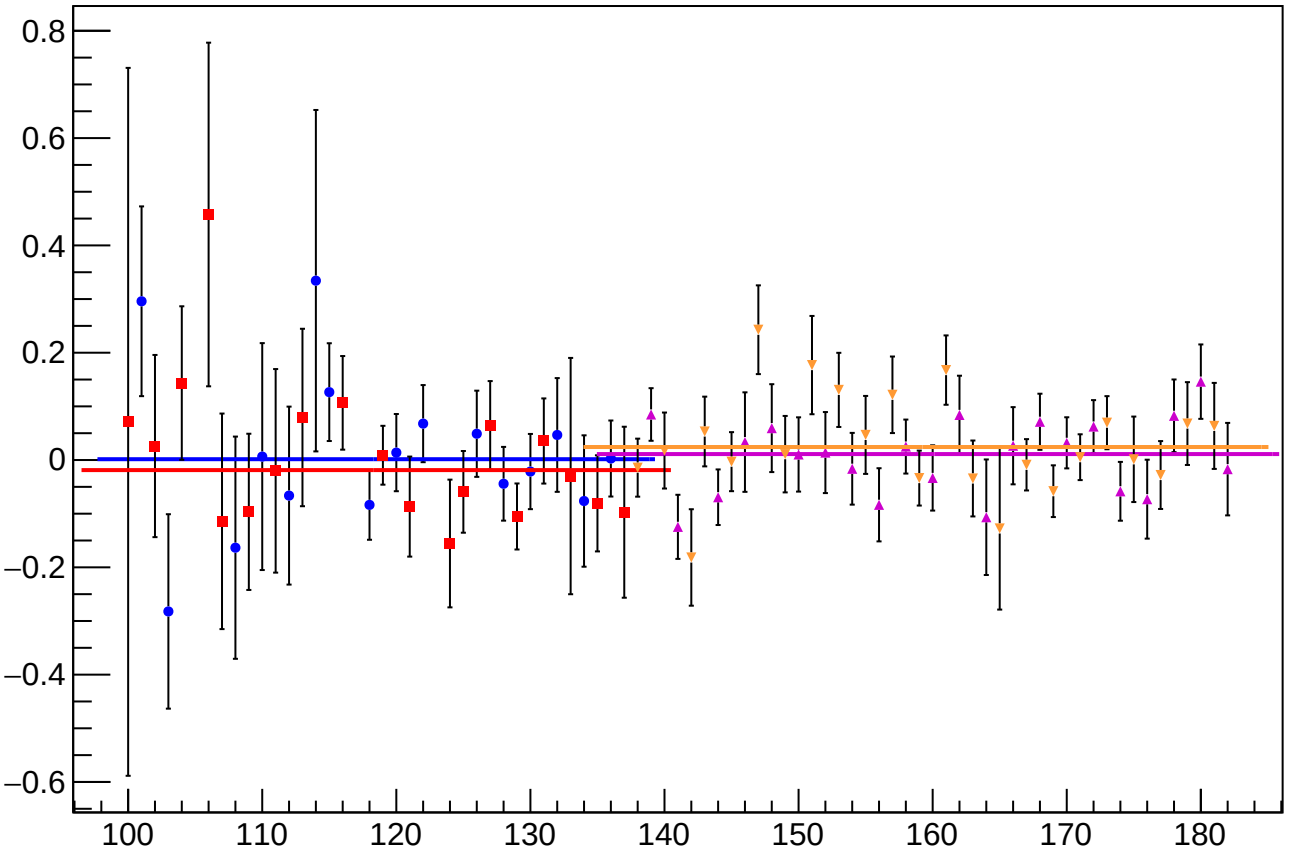
Left: 54.530+/-0.007 χ^2/NDF: 3096485.4/44

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 55.017+/-0.008 χ^2/NDF:3374766.7/37

Out: 54.937+/-0.008 χ^2/NDF:4474457.9/41

All: 54.977+/-0.006 χ^2/NDF: 7849273.2/79



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.013 χ^2/NDF:34.0/22

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.011+/-0.013 χ^2/NDF:25.7/21

Left: 0.018+/-0.009 χ^2/NDF: 60.2/44

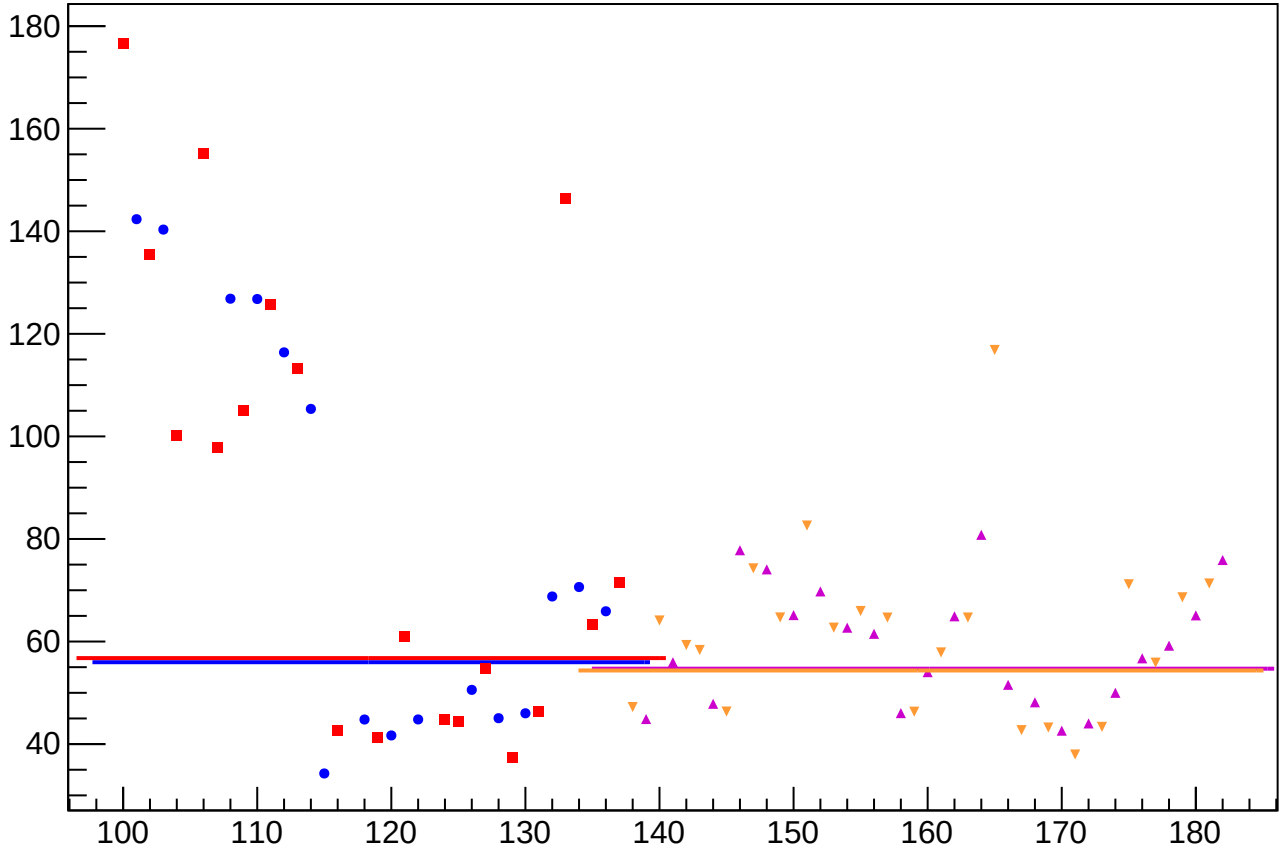
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.009+/-0.012 χ^2/NDF:38.9/37

Out: 0.014+/-0.012 χ^2/NDF:49.6/41

All: 0.011+/-0.008 χ^2/NDF: 88.6/79

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 54.356+/-0.009 χ^2/NDF:1905225.5/22

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.707+/-0.009 χ^2/NDF:1190564.1/21

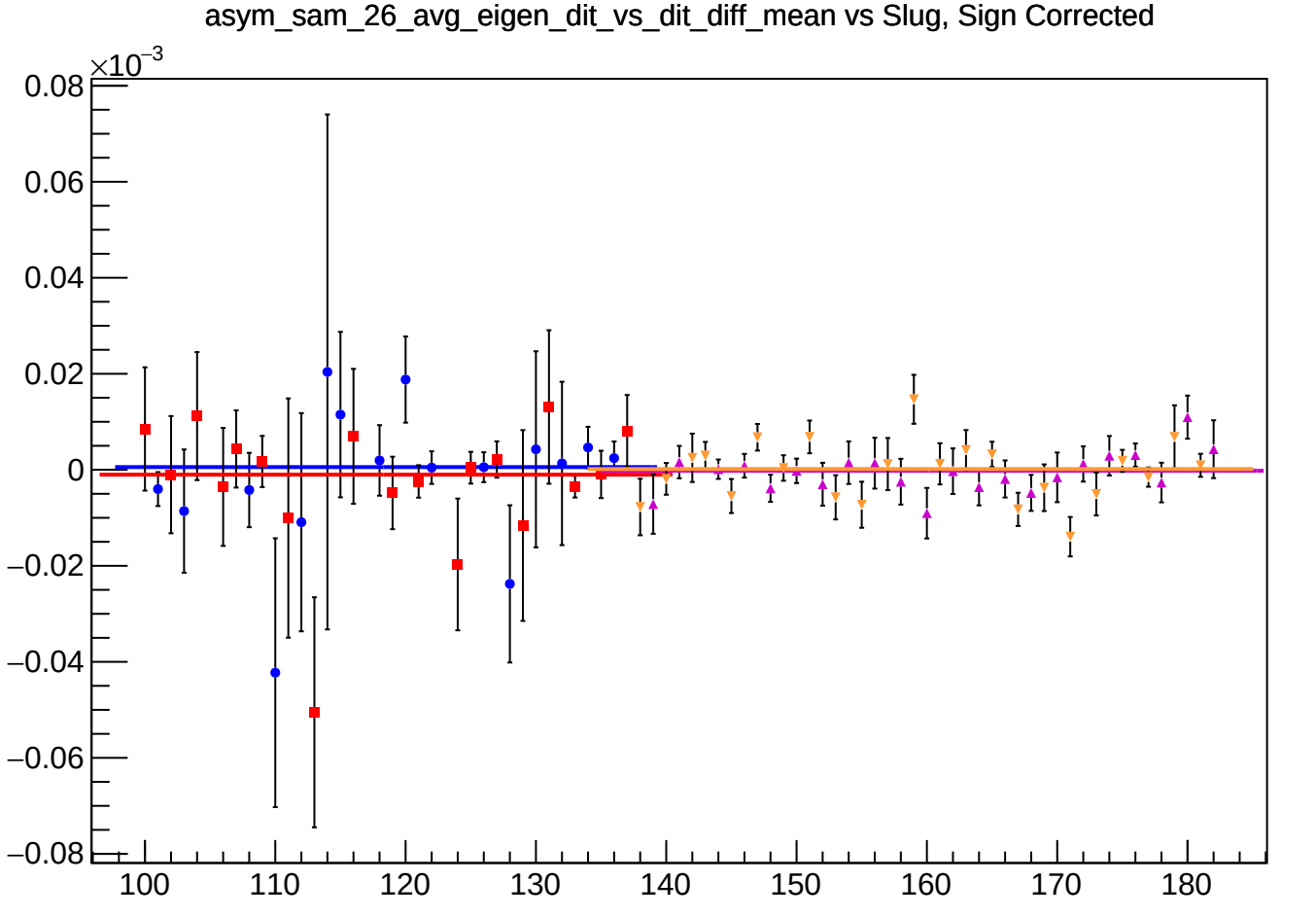
Left: 54.530+/-0.007 χ^2/NDF: 3096485.4/44

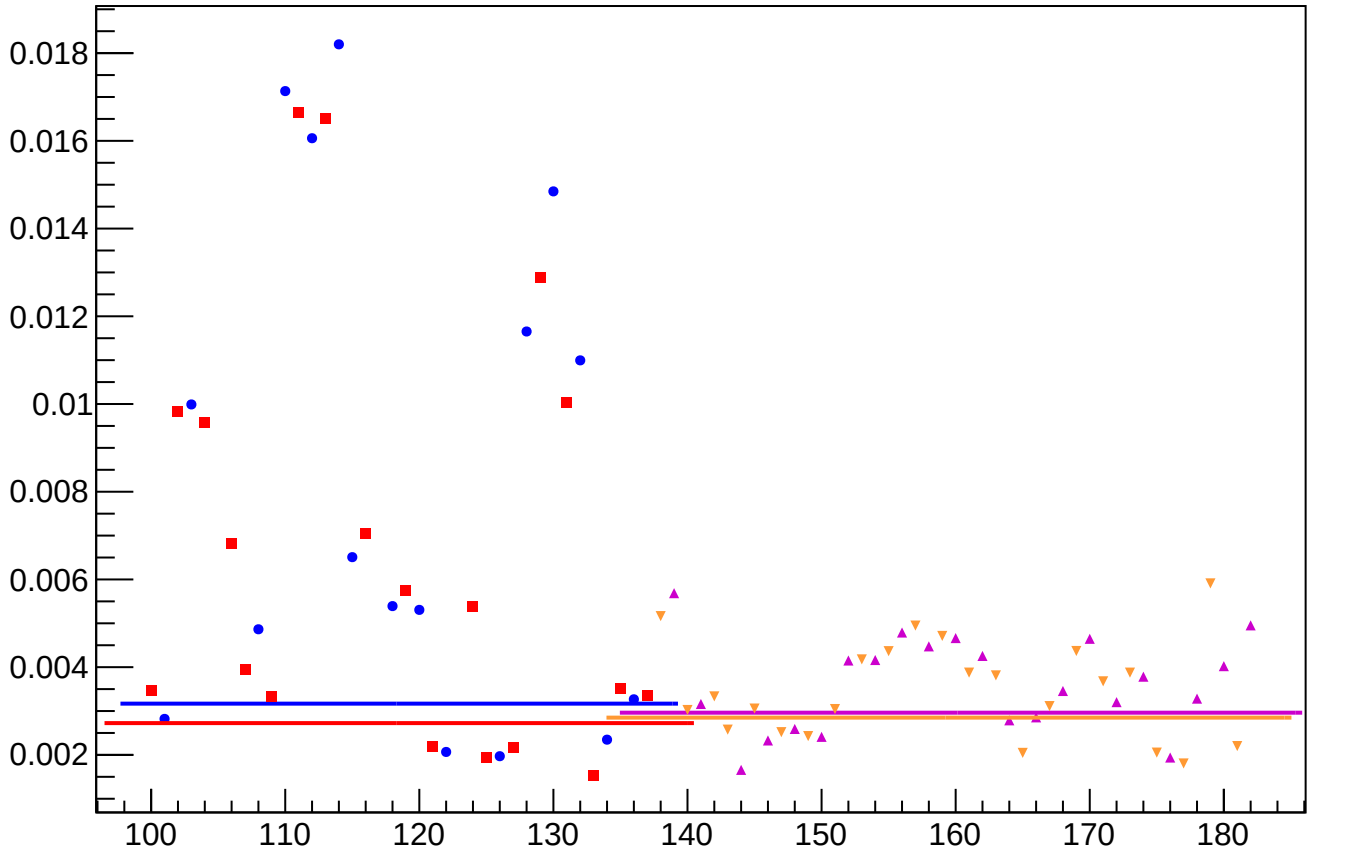
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 55.017+/-0.008 χ^2/NDF:3374766.7/37

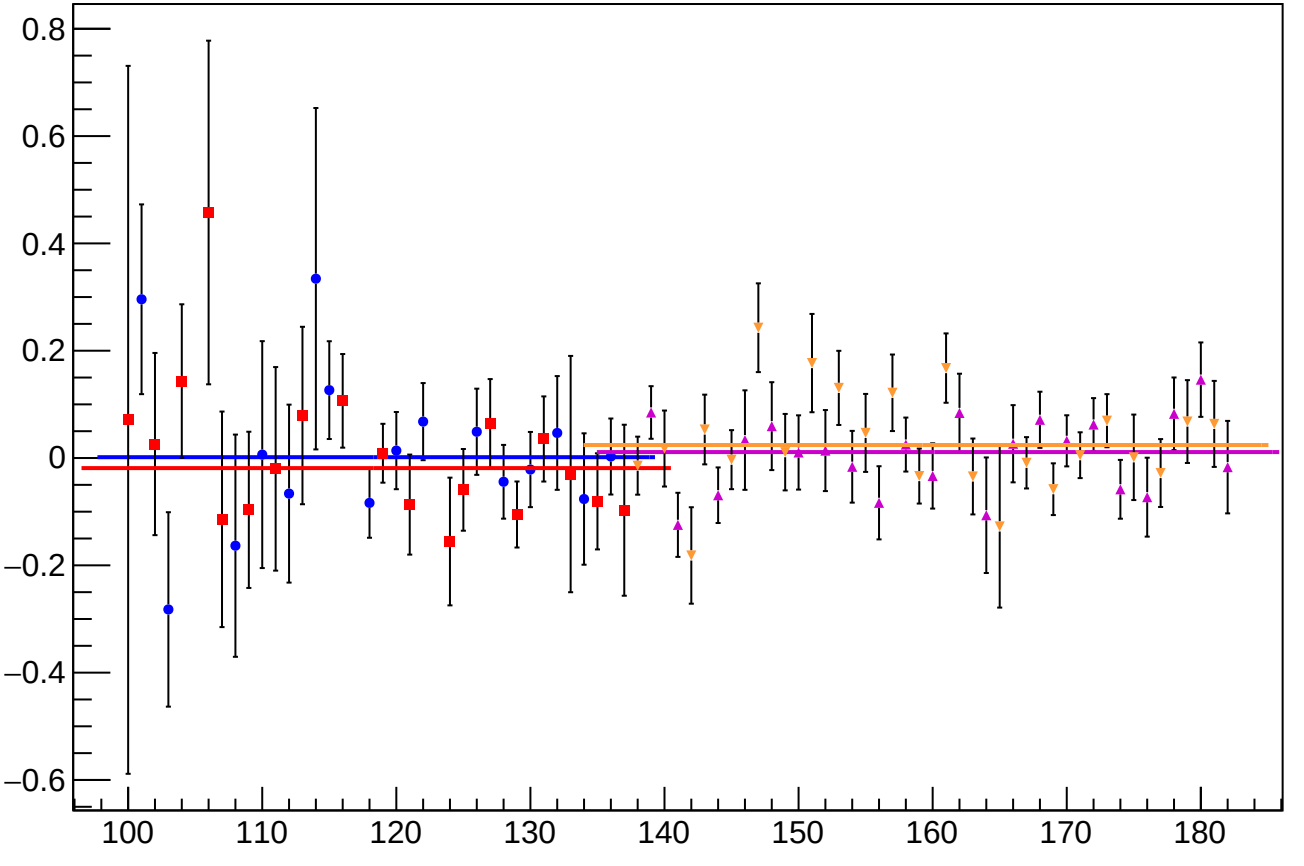
Out: 54.937+/-0.008 χ^2/NDF:4474457.9/41

All: 54.977+/-0.006 χ^2/NDF: 7849273.2/79


asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:52.0/22
Right Out: -0.000+/-0.000 χ²/NDF: 13.8/18
Left In: -0.000+/-0.000 χ²/NDF:19.3/21
Left: -0.000+/-0.000 χ²/NDF: 71.5/44
Right: -0.000+/-0.000 χ²/NDF: 27.8/34
In: -0.000+/-0.000 χ²/NDF:32.9/37
Out: -0.000+/-0.000 χ²/NDF:66.5/41
All: -0.000+/-0.000 χ²/NDF: 99.3/79


asym_sam_26_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
170
180
Right In: 0.003+/-0.000 χ²/NDF: 4545616.6/15
Left Out: 0.003+/-0.000 χ²/NDF:3537394.7/22
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.003+/-0.000 χ²/NDF:3618472.4/21
Left: 0.003+/-0.000 χ²/NDF: 7179664.8/44
Right: 0.003+/-0.000 χ²/NDF: 9804761.7/34
In: 0.003+/-0.000 χ²/NDF:8195987.9/37
Out: 0.003+/-0.000 χ²/NDF:8705282.2/41
All: 0.003+/-0.000 χ²/NDF: 16984888.7/79

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.013 χ^2/NDF:34.0/22

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.011+/-0.013 χ^2/NDF:25.7/21

Left: 0.018+/-0.009 χ^2/NDF: 60.2/44

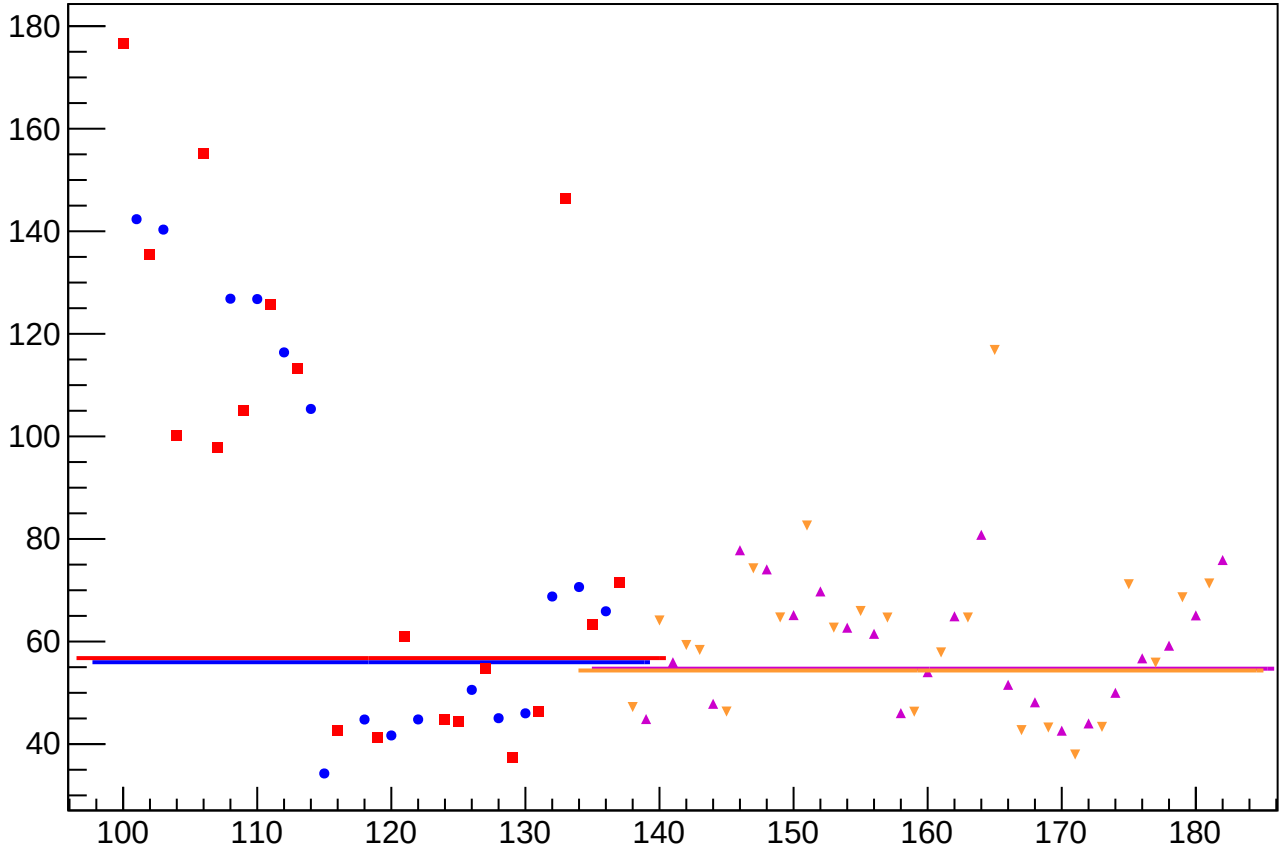
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.009+/-0.012 χ^2/NDF:38.9/37

Out: 0.014+/-0.012 χ^2/NDF:49.6/41

All: 0.011+/-0.008 χ^2/NDF: 88.6/79

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: 54.357+/-0.009 χ^2/NDF:1905225.7/22

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.708+/-0.009 χ^2/NDF:1190531.8/21

Left: 54.530+/-0.007 χ^2/NDF: 3096453.9/44

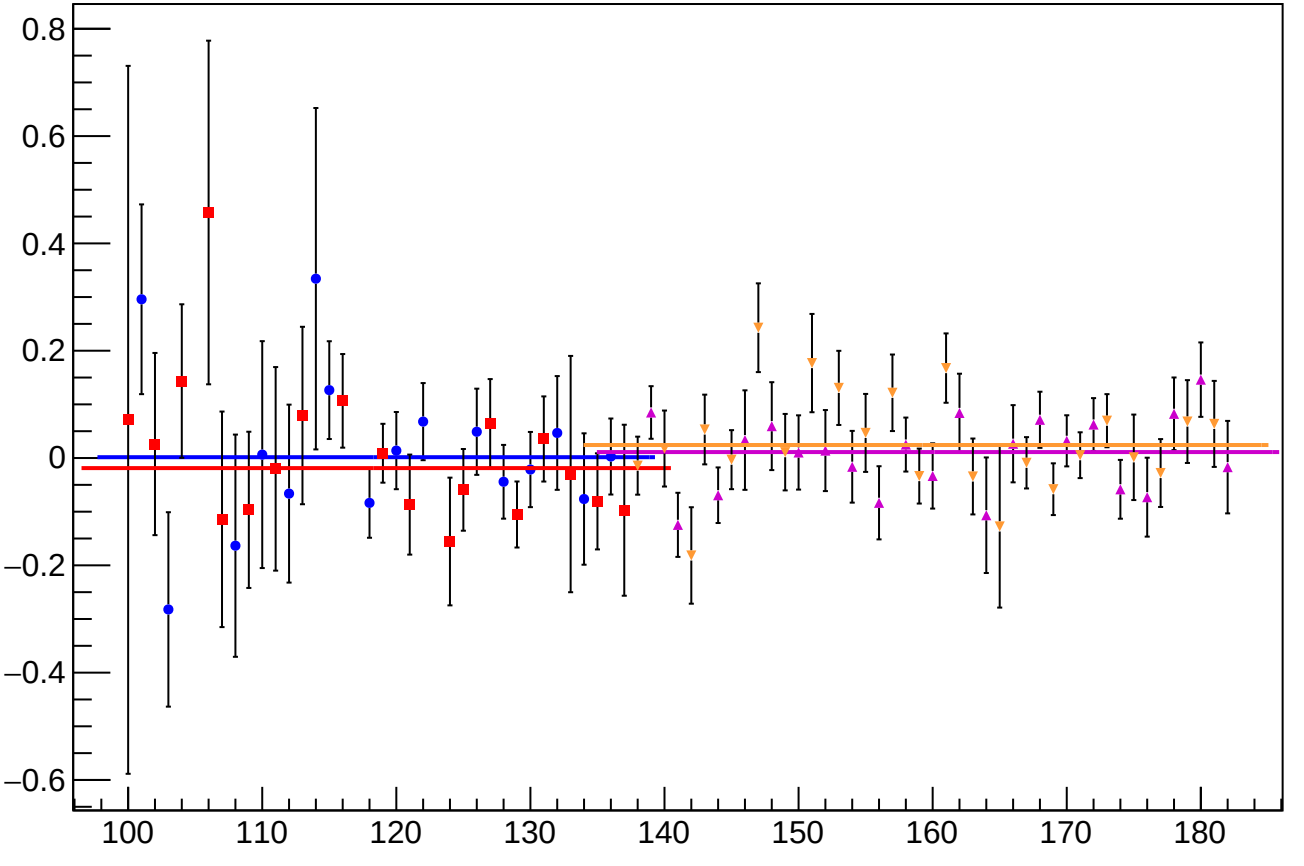
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.018+/-0.008 χ^2/NDF:3374656.2/37

Out: 54.937+/-0.008 χ^2/NDF:4474389.9/41

All: 54.977+/-0.006 χ^2/NDF: 7849095.0/79

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.013 χ^2/NDF:34.0/22

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.011+/-0.013 χ^2/NDF:25.7/21

Left: 0.018+/-0.009 χ^2/NDF: 60.2/44

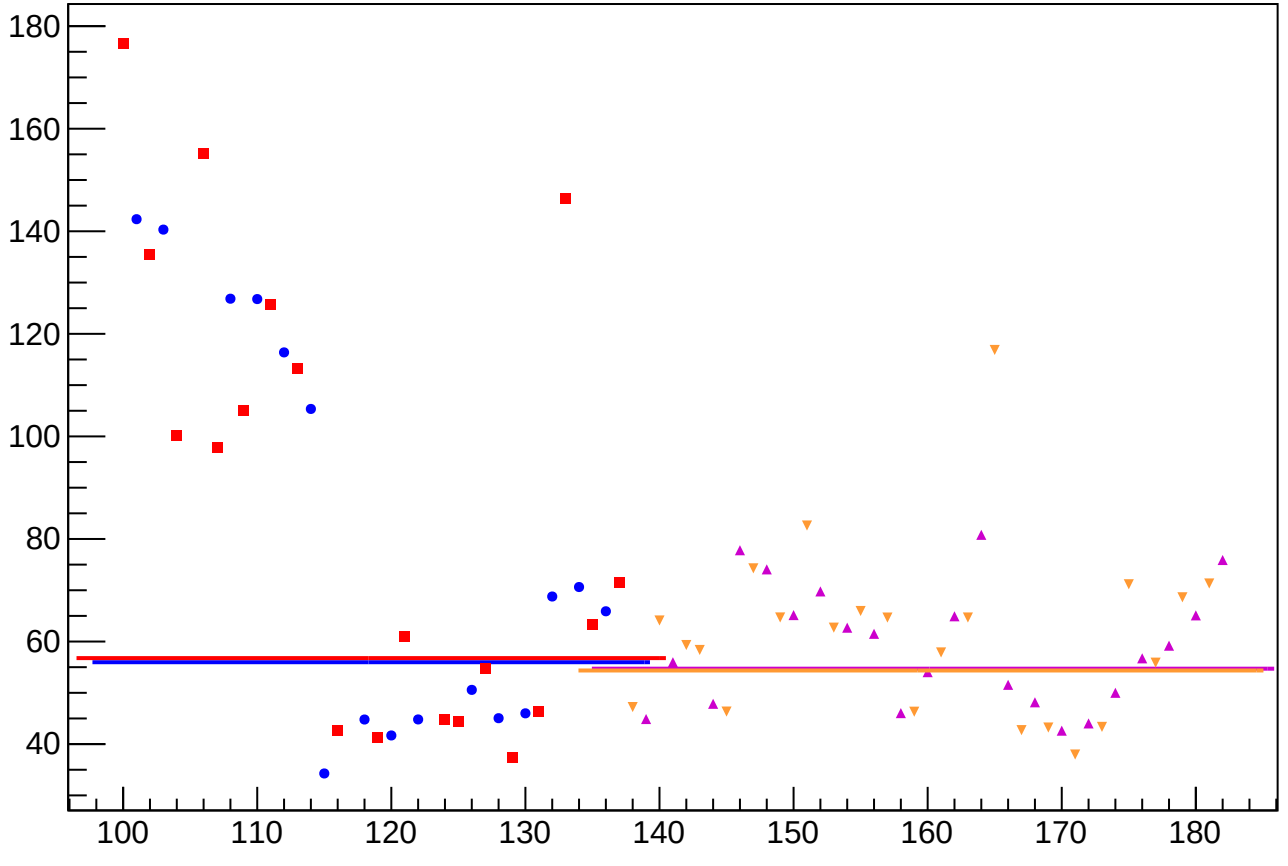
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.009+/-0.012 χ^2/NDF:38.9/37

Out: 0.014+/-0.012 χ^2/NDF:49.6/41

All: 0.011+/-0.008 χ^2/NDF: 88.6/79

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: 54.357+/-0.009 χ^2/NDF:1905225.7/22

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.708+/-0.009 χ^2/NDF:1190531.8/21

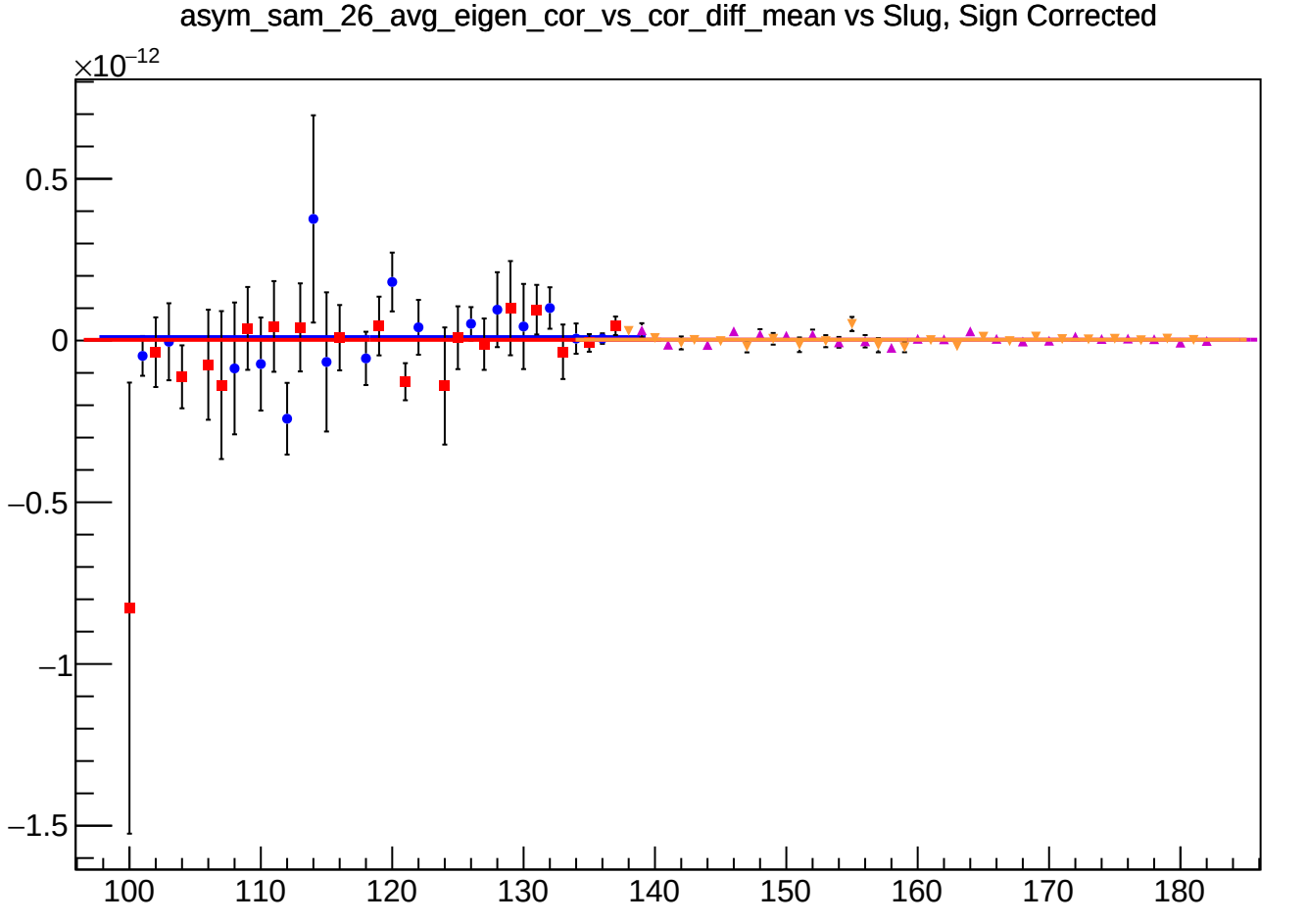
Left: 54.530+/-0.007 χ^2/NDF: 3096453.9/44

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.018+/-0.008 χ^2/NDF:3374656.2/37

Out: 54.937+/-0.008 χ^2/NDF:4474389.9/41

All: 54.977+/-0.006 χ^2/NDF: 7849095.0/79



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/22

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

Left In: 0.000+/-0.000 χ^2/NDF:32.9/21

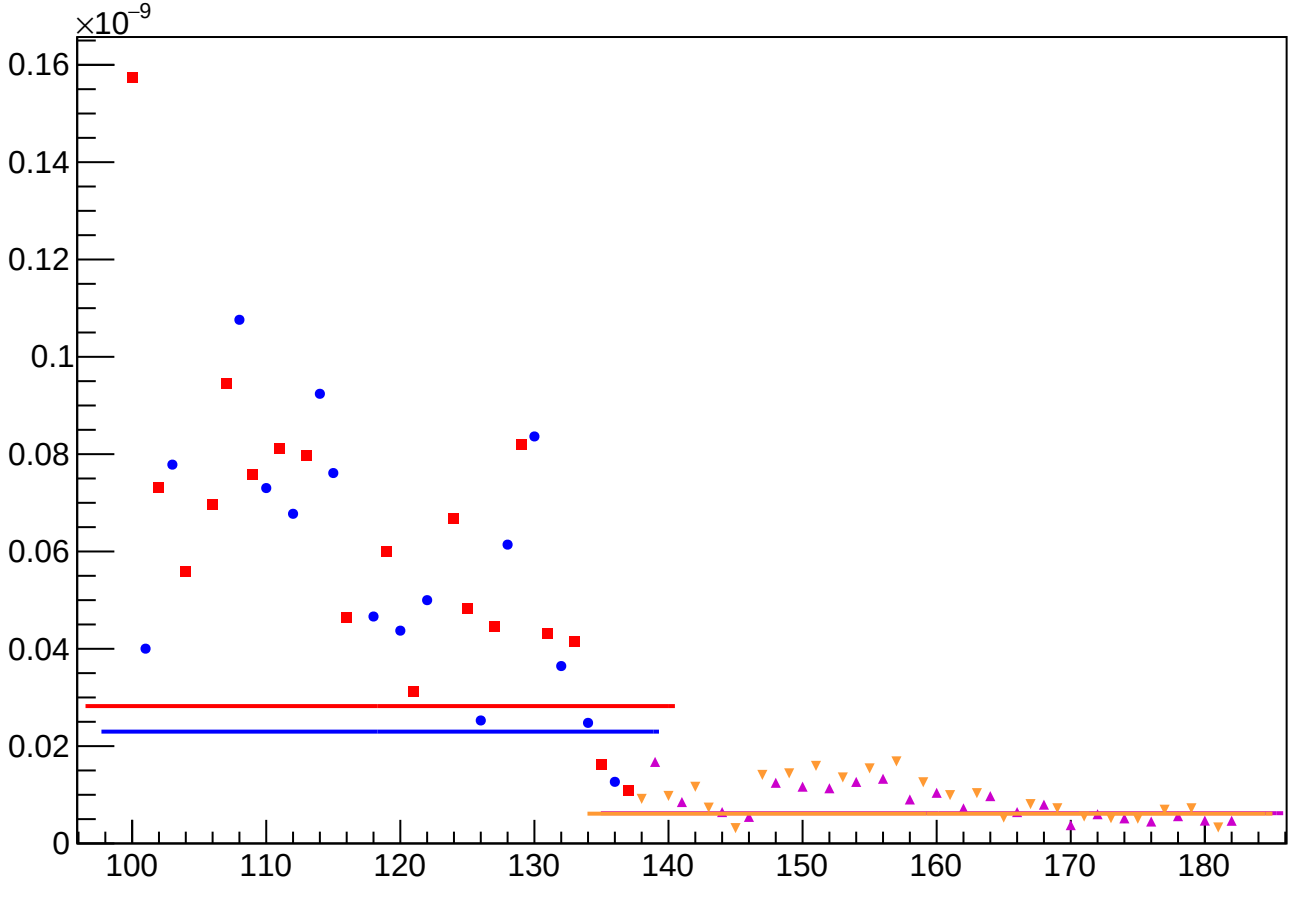
Left: 0.000+/-0.000 χ^2/NDF: 52.8/44

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:48.9/37

Out: 0.000+/-0.000 χ^2/NDF:34.2/41

All: 0.000+/-0.000 χ^2/NDF: 83.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:5290670.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3186146.2/21

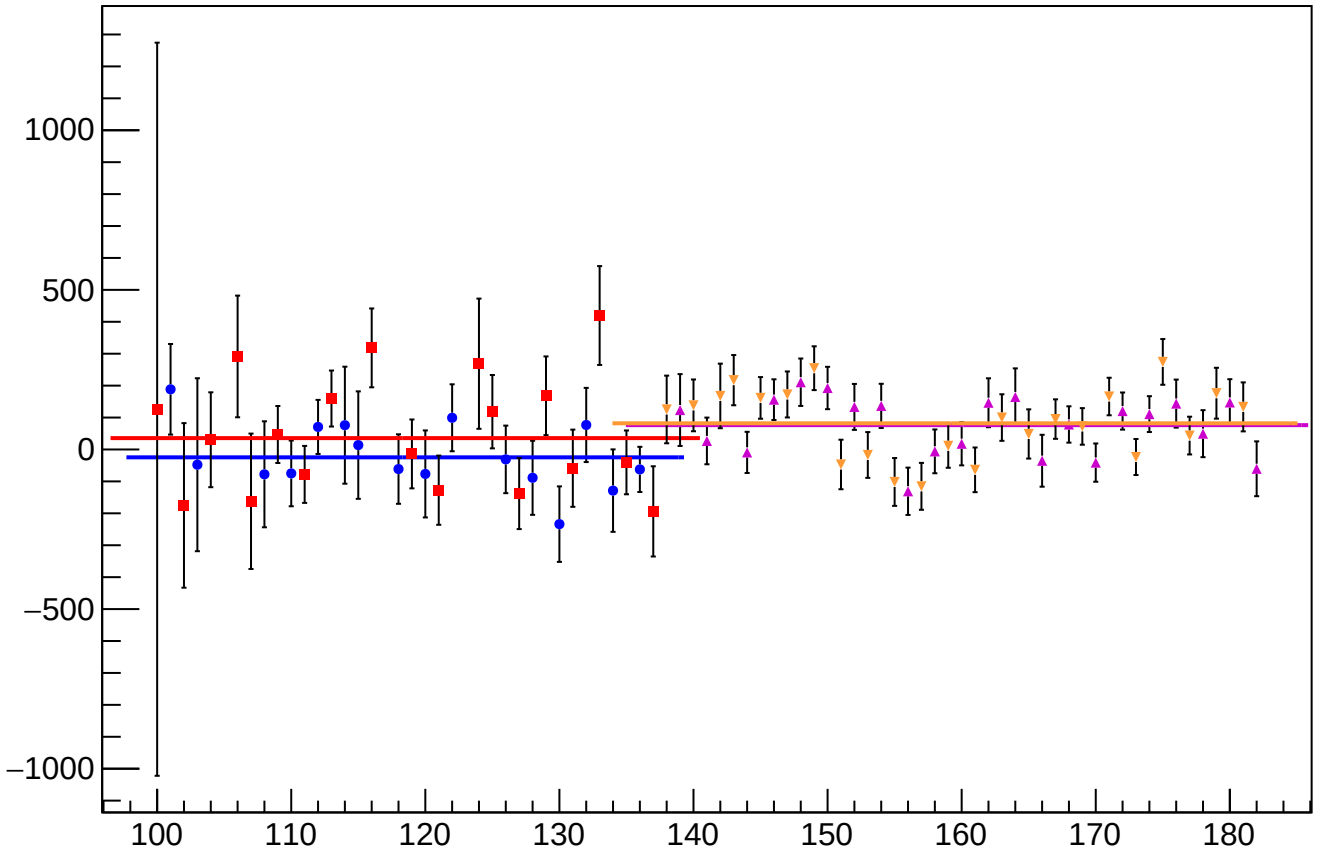
Left: 0.000+/-0.000 χ^2/NDF: 8479374.4/44

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:10188522.8/37

Out: 0.000+/-0.000 χ^2/NDF:13114680.9/41

All: 0.000+/-0.000 χ^2/NDF: 23307143.9/79



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 82.030+/-14.722 χ^2/NDF:52.4/22

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 76.219+/-14.897 χ^2/NDF:34.6/21

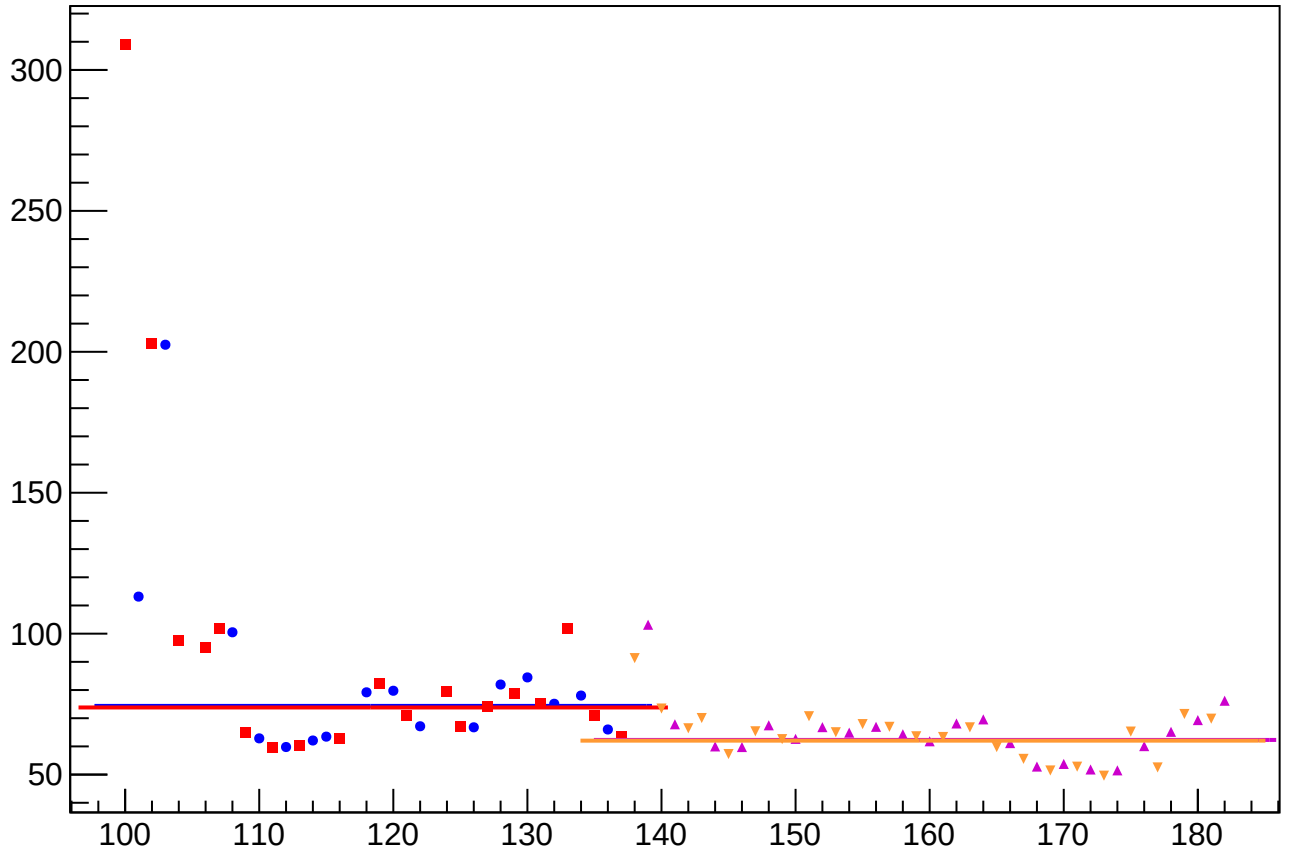
Left: 79.158+/-10.471 χ^2/NDF: 87.0/44

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 55.063+/-13.242 χ^2/NDF:55.2/37

Out: 72.222+/-13.075 χ^2/NDF:84.5/41

All: 63.751+/-9.304 χ^2/NDF: 140.6/79



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 62.043+/-0.010 χ^2/NDF:634098.0/22

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 62.295+/-0.011 χ^2/NDF:646865.8/21

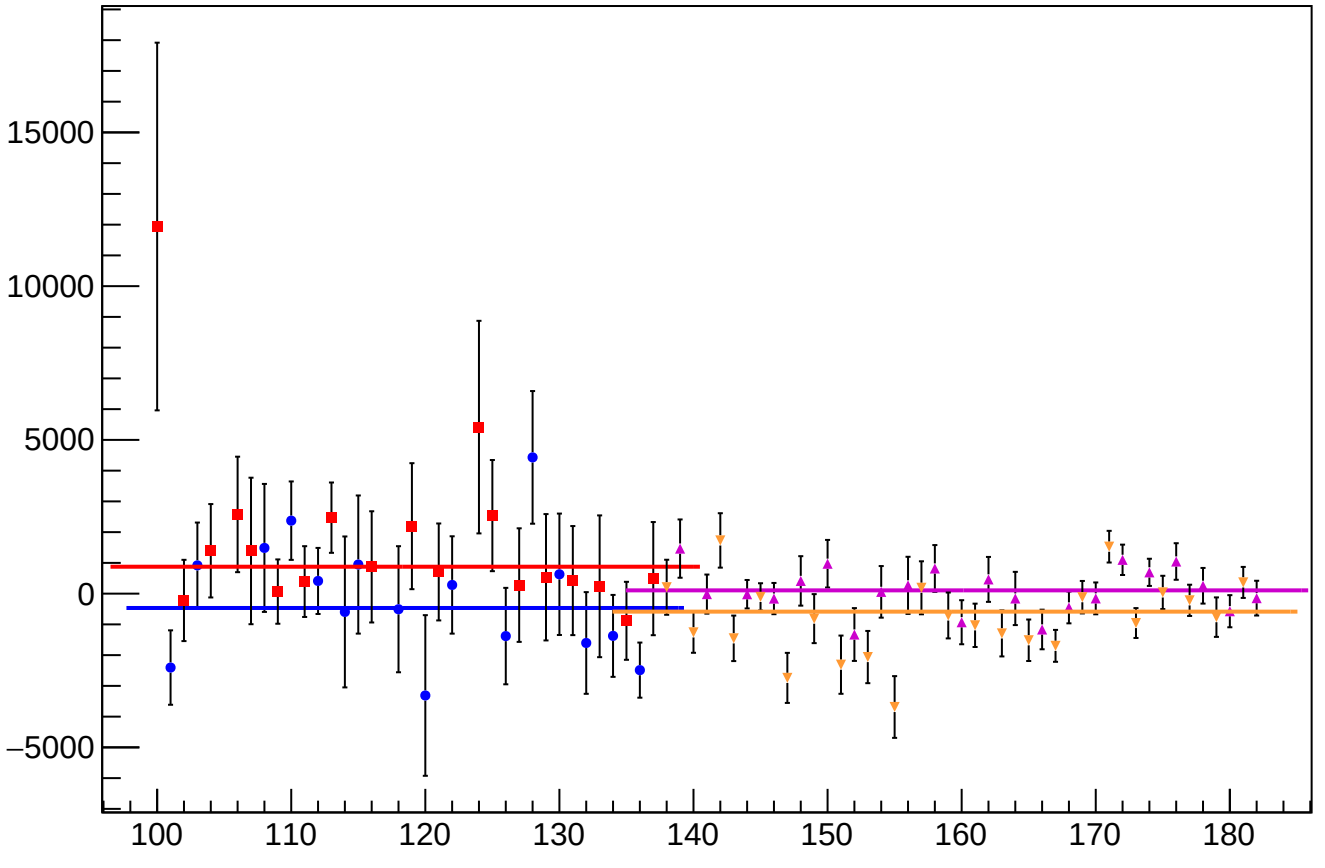
Left: 62.168+/-0.007 χ^2/NDF: 1281252.9/44

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 64.828+/-0.009 χ^2/NDF:1750063.9/37

Out: 64.529+/-0.009 χ^2/NDF:1836067.9/41

All: 64.676+/-0.007 χ^2/NDF: 3586647.9/79



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -585.198+/-133.198 χ^2/NDF:66.5/22

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 106.493+/-131.461 χ^2/NDF:25.5/21

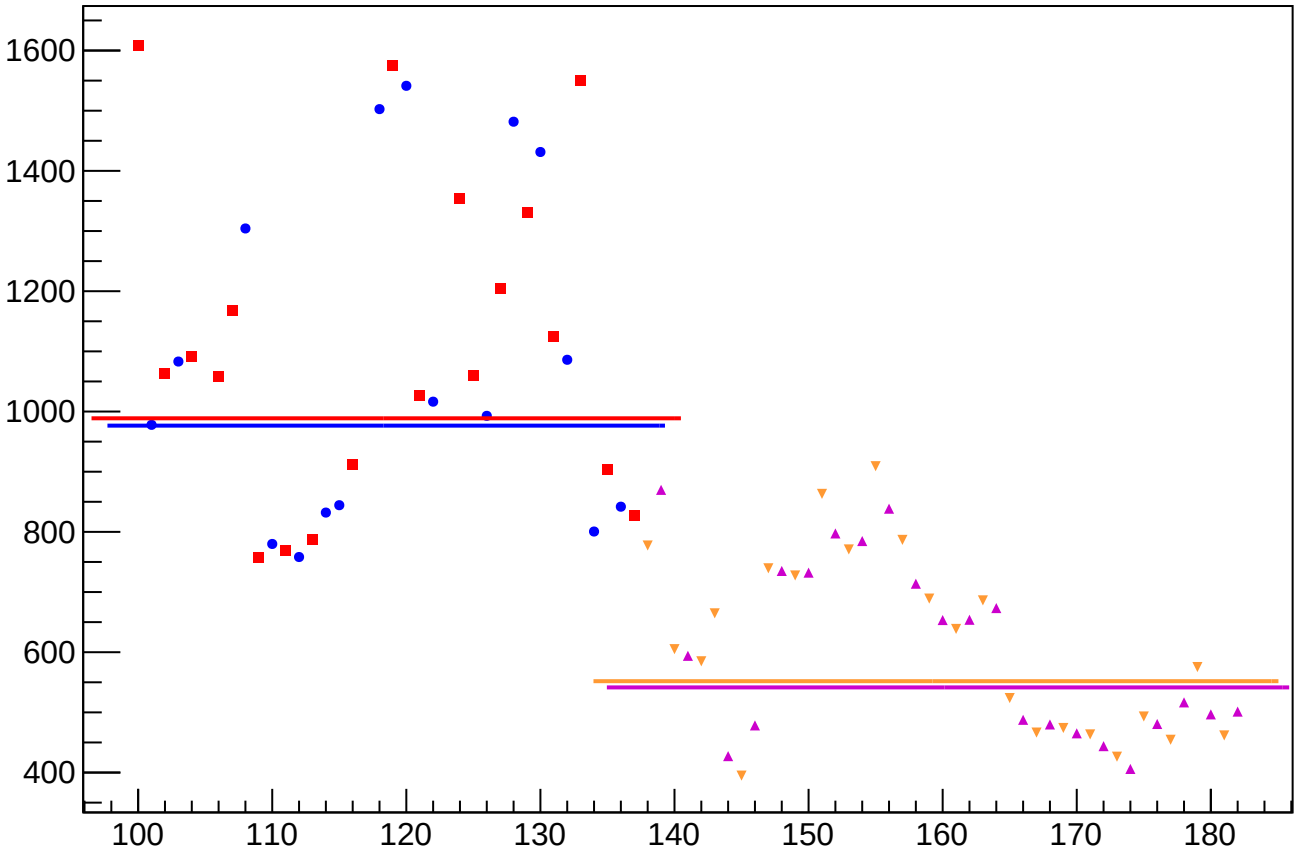
Left: -234.815+/-93.565 χ^2/NDF: 105.7/44

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: 43.788+/-124.060 χ^2/NDF:51.3/37

Out: -419.415+/-125.411 χ^2/NDF:93.2/41

All: -185.306+/-88.197 χ^2/NDF: 151.4/79



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 551.833+/-0.094 χ^2/NDF:2012802.4/22

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 541.498+/-0.093 χ^2/NDF:1840332.0/21

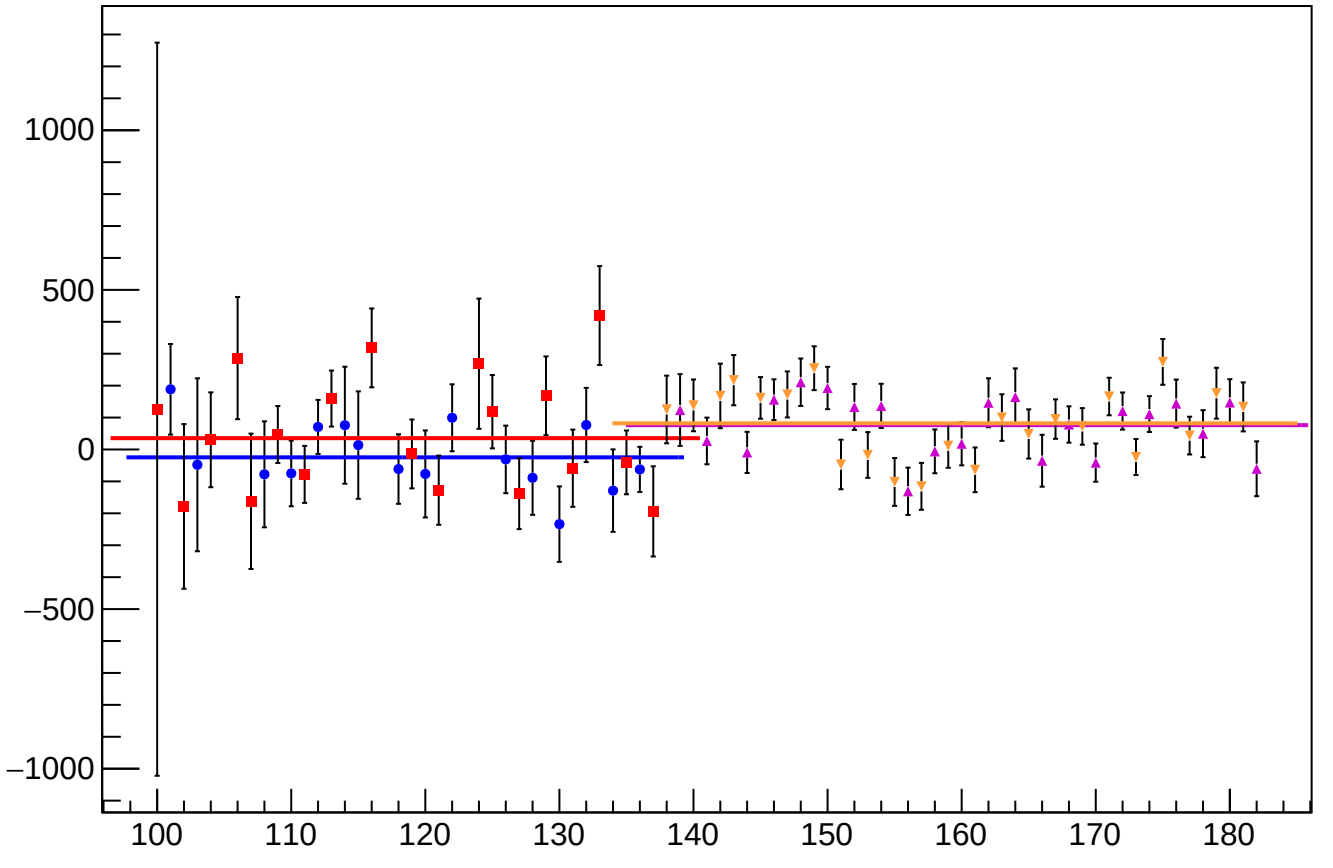
Left: 546.597+/-0.066 χ^2/NDF: 3859233.9/44

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 589.109+/-0.088 χ^2/NDF:4974192.8/37

Out: 601.428+/-0.089 χ^2/NDF:5171297.2/41

All: 595.201+/-0.062 χ^2/NDF: 10155243.7/79



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 82.032+/-14.722 χ^2/NDF:52.4/22

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 76.219+/-14.897 χ^2/NDF:34.6/21

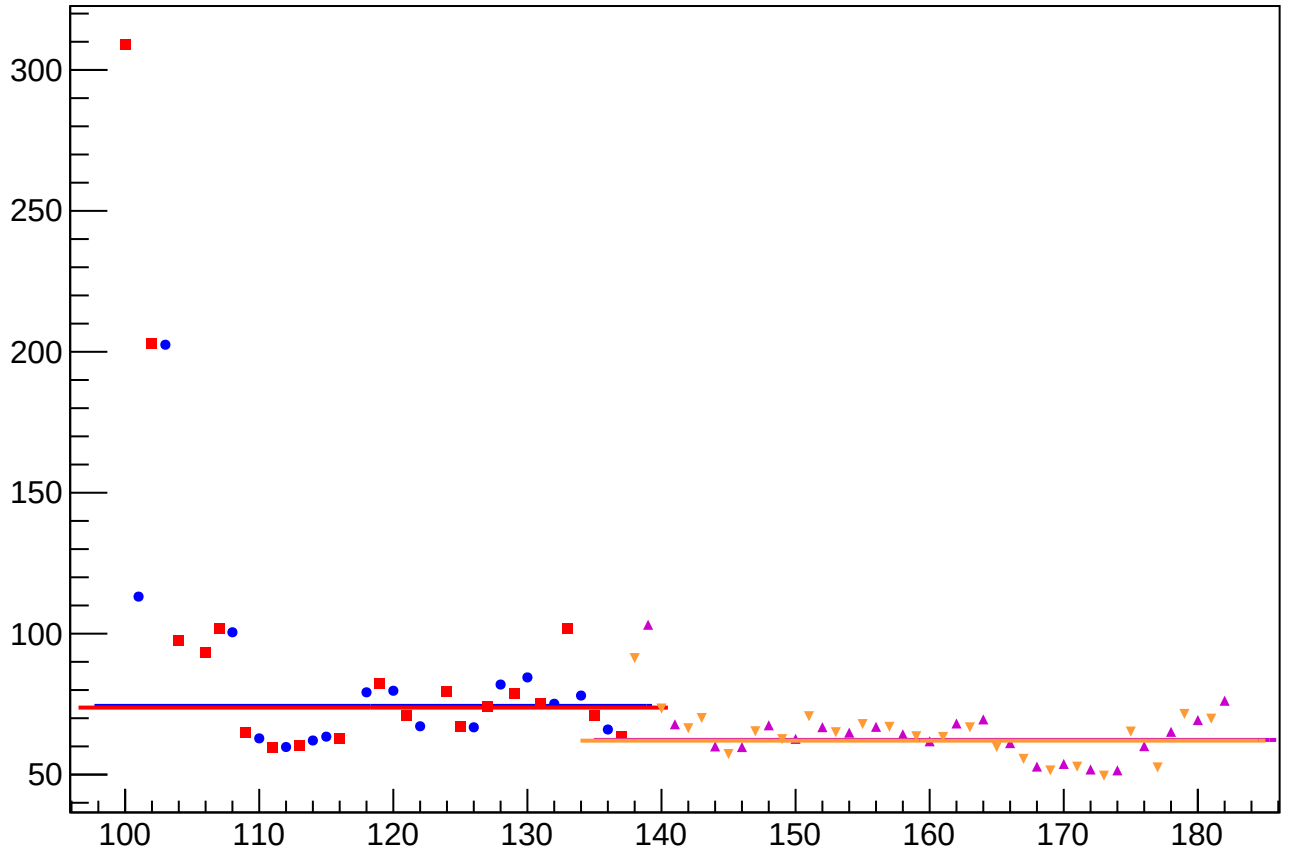
Left: 79.160+/-10.471 χ^2/NDF: 87.0/44

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 55.061+/-13.242 χ^2/NDF:55.2/37

Out: 72.184+/-13.075 χ^2/NDF:84.5/41

All: 63.731+/-9.304 χ^2/NDF: 140.6/79



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.043+/-0.010 χ^2/NDF:634098.0/22

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 62.295+/-0.011 χ^2/NDF:646865.8/21

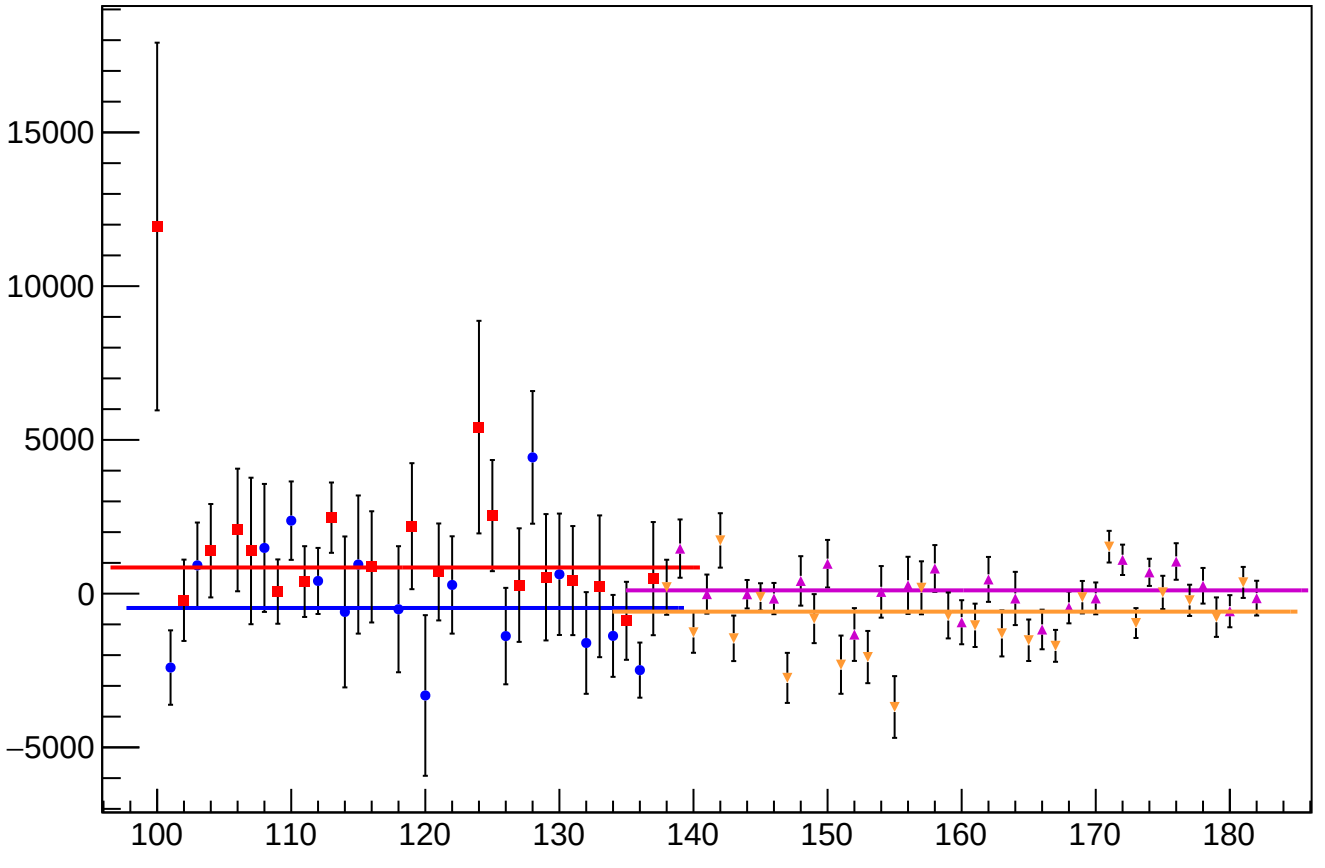
Left: 62.168+/-0.007 χ^2/NDF: 1281252.9/44

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.828+/-0.009 χ^2/NDF:1750065.7/37

Out: 64.520+/-0.009 χ^2/NDF:1830322.9/41

All: 64.672+/-0.007 χ^2/NDF: 3580937.1/79



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -585.197+/-133.198 χ^2/NDF:66.5/22

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 106.493+/-131.462 χ^2/NDF:25.5/21

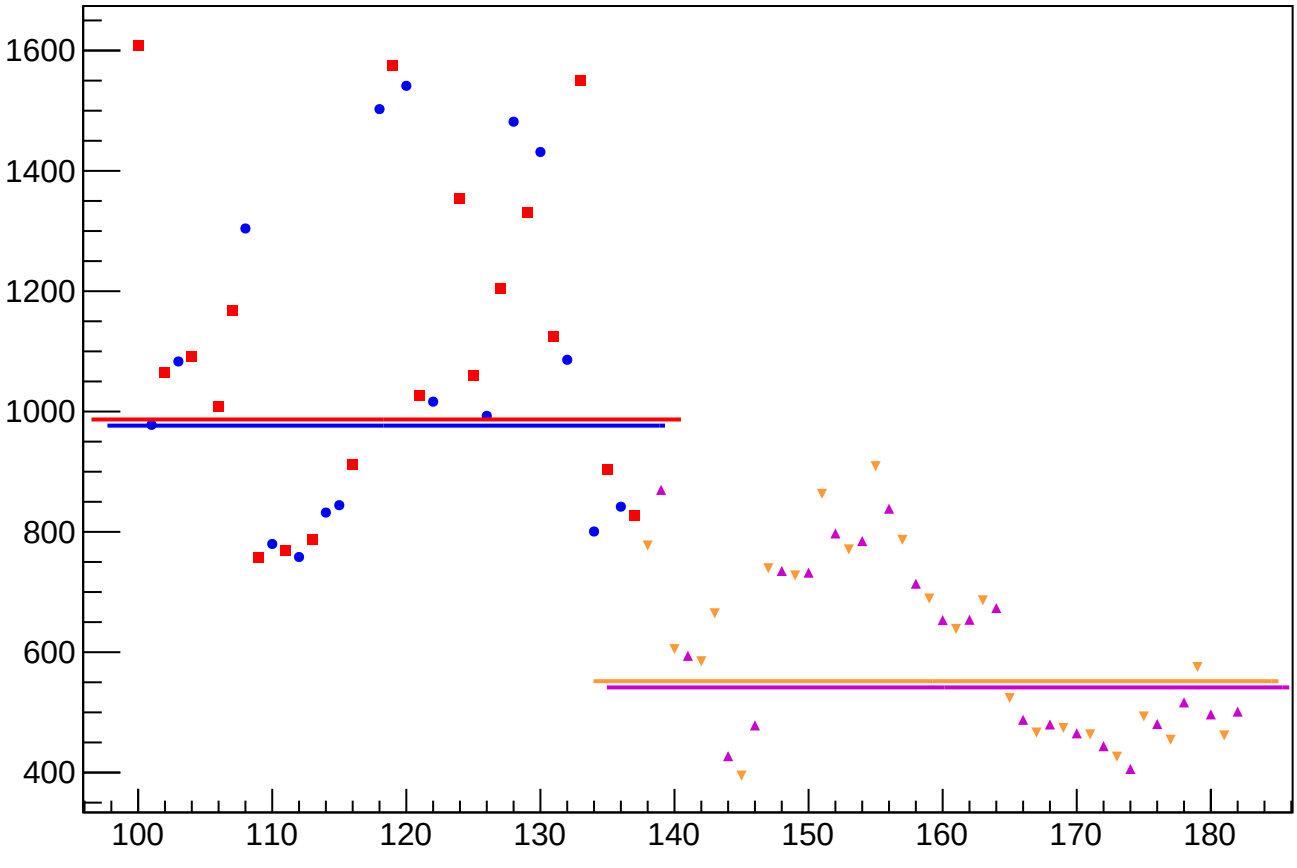
Left: -234.814+/-93.565 χ^2/NDF: 105.7/44

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 43.791+/-124.060 χ^2/NDF:51.3/37

Out: -422.865+/-125.443 χ^2/NDF:92.2/41

All: -186.951+/-88.209 χ^2/NDF: 150.5/79



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 551.832+/-0.094 χ^2/NDF:2012801.4/22

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 541.498+/-0.093 χ^2/NDF:1840332.0/21

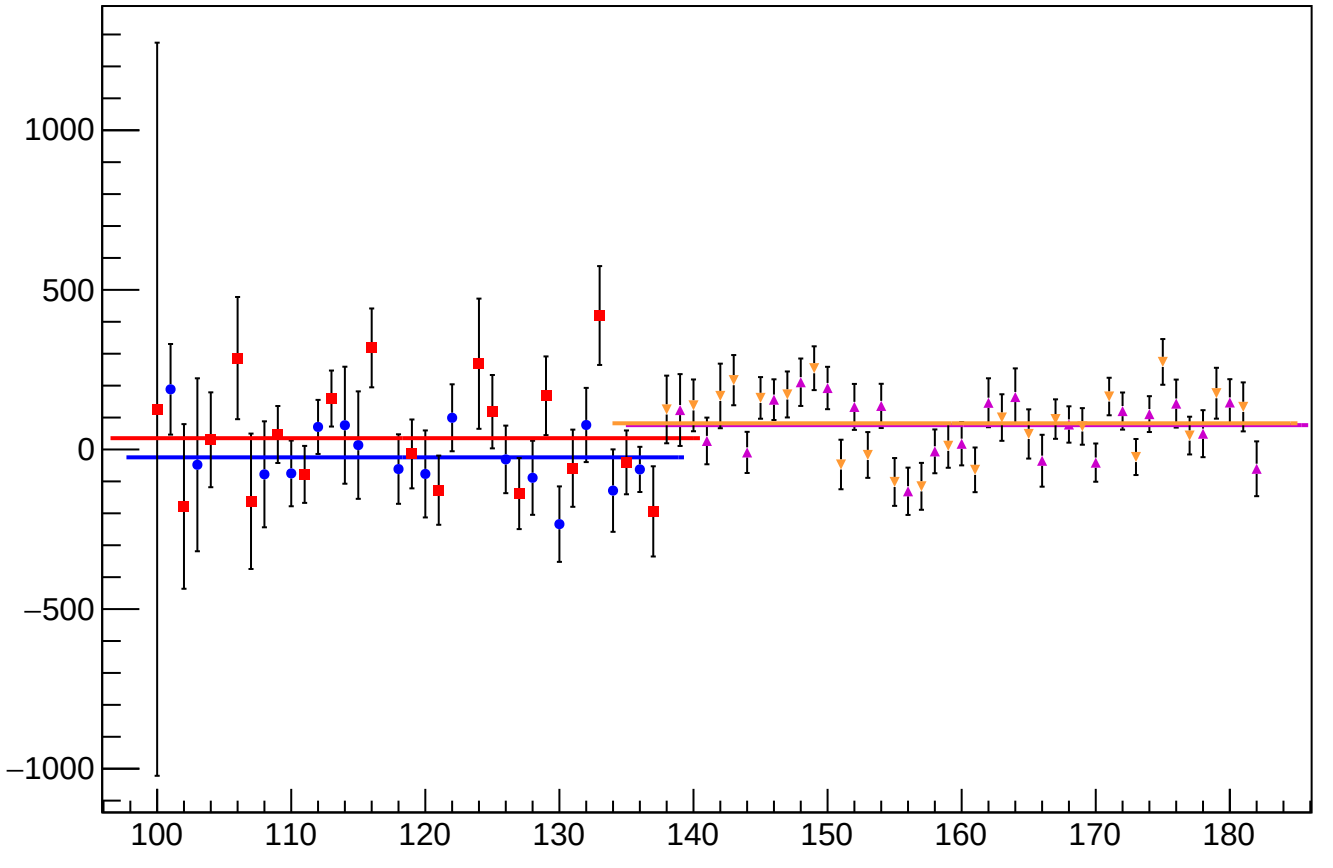
Left: 546.597+/-0.066 χ^2/NDF: 3859232.5/44

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 589.109+/-0.088 χ^2/NDF:4974249.6/37

Out: 601.007+/-0.089 χ^2/NDF:5137456.6/41

All: 594.992+/-0.062 χ^2/NDF: 10120802.8/79



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 82.032+/-14.722 χ^2/NDF:52.4/22

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 76.219+/-14.897 χ^2/NDF:34.6/21

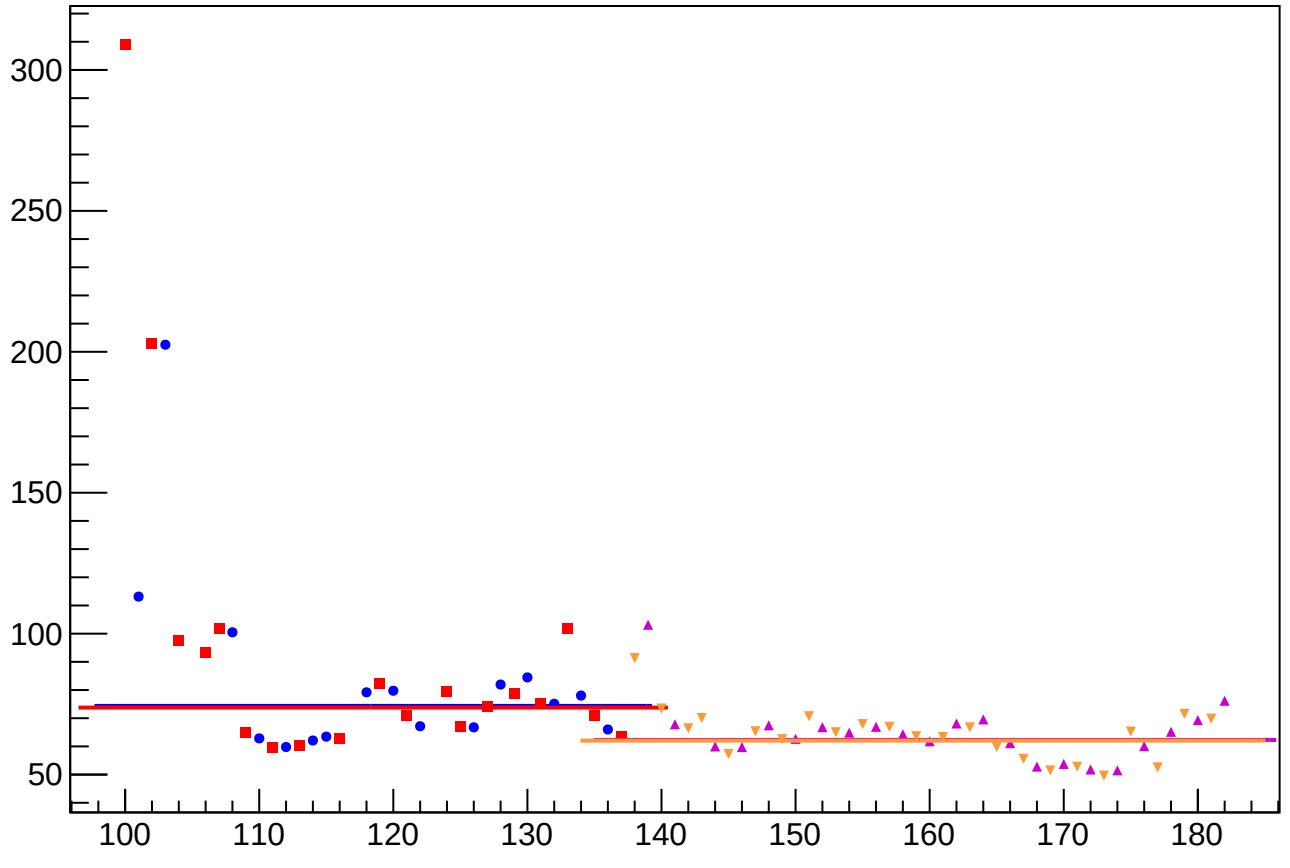
Left: 79.160+/-10.471 χ^2/NDF: 87.0/44

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 55.061+/-13.242 χ^2/NDF:55.2/37

Out: 72.184+/-13.075 χ^2/NDF:84.5/41

All: 63.731+/-9.304 χ^2/NDF: 140.6/79



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.043+/-0.010 χ^2/NDF:634098.0/22

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 62.295+/-0.011 χ^2/NDF:646865.8/21

Left: 62.168+/-0.007 χ^2/NDF: 1281252.9/44

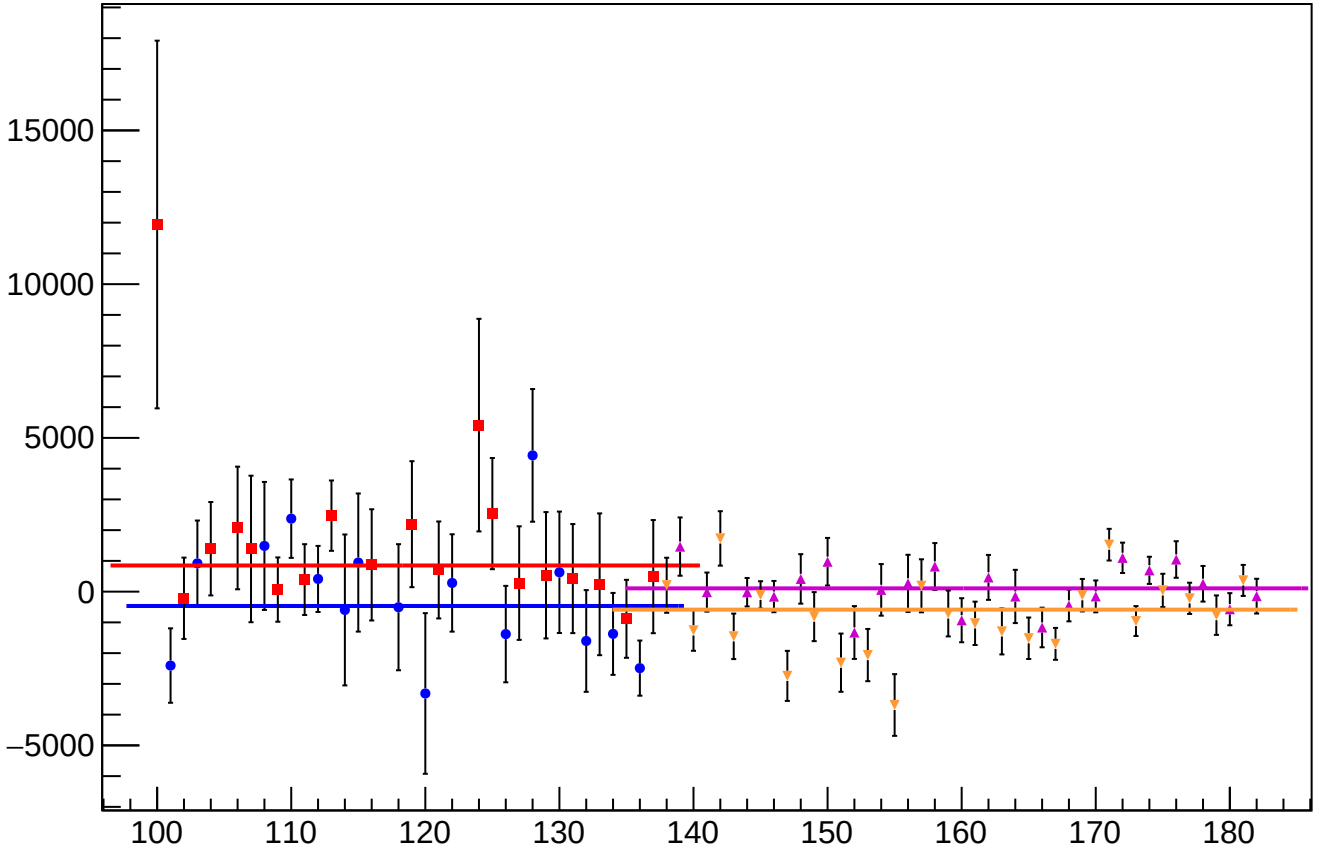
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.828+/-0.009 χ^2/NDF:1750065.7/37

Out: 64.520+/-0.009 χ^2/NDF:1830322.9/41

All: 64.672+/-0.007 χ^2/NDF: 3580937.1/79

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: -585.197+/-133.198 χ^2/NDF:66.5/22

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 106.493+/-131.462 χ^2/NDF:25.5/21

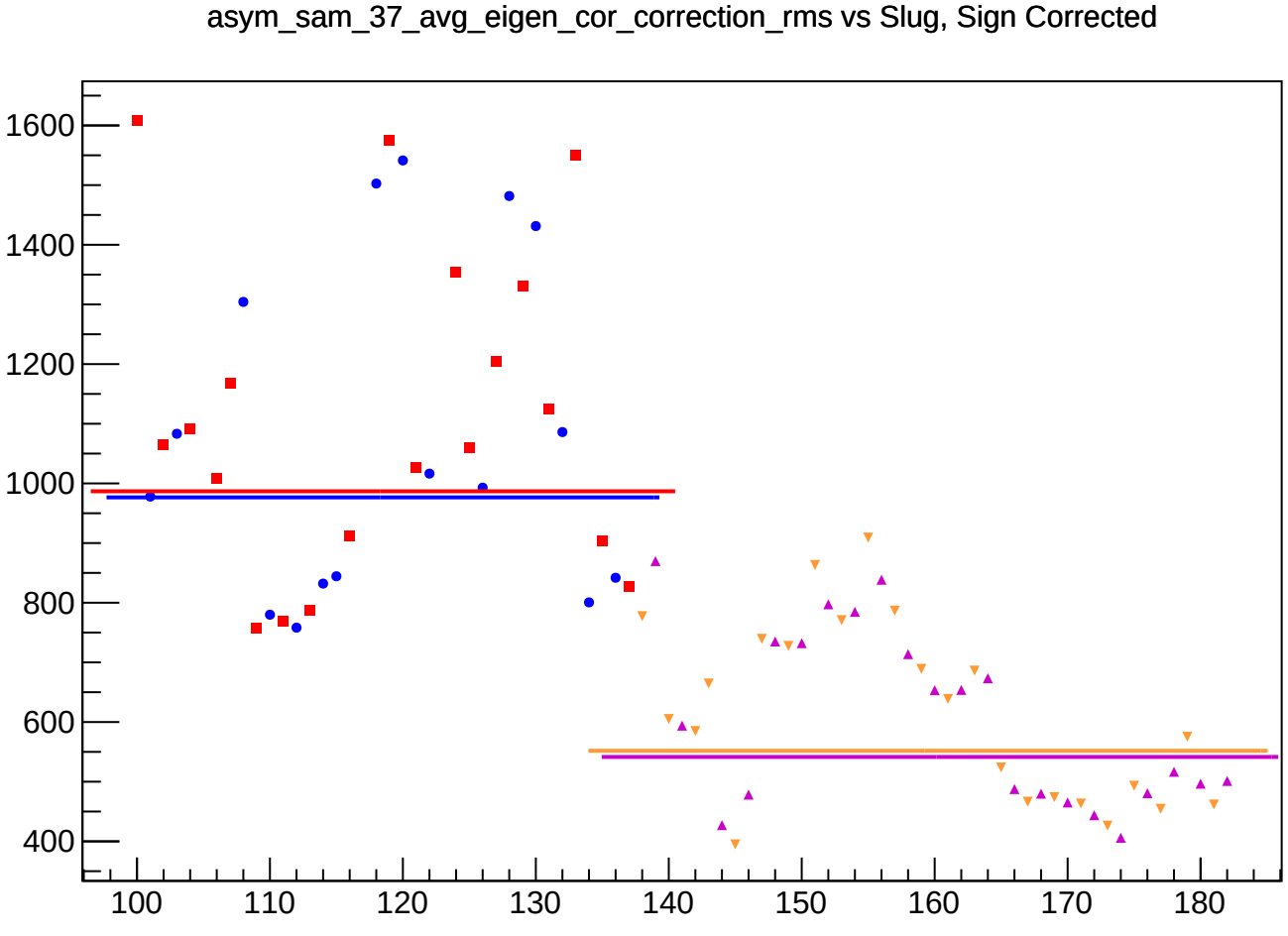
Left: -234.814+/-93.565 χ^2/NDF: 105.7/44

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 43.791+/-124.060 χ^2/NDF:51.3/37

Out: -422.865+/-125.443 χ^2/NDF:92.2/41

All: -186.951+/-88.209 χ^2/NDF: 150.5/79



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 551.832+/-0.094 χ^2/NDF:2012801.4/22

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 541.498+/-0.093 χ^2/NDF:1840332.0/21

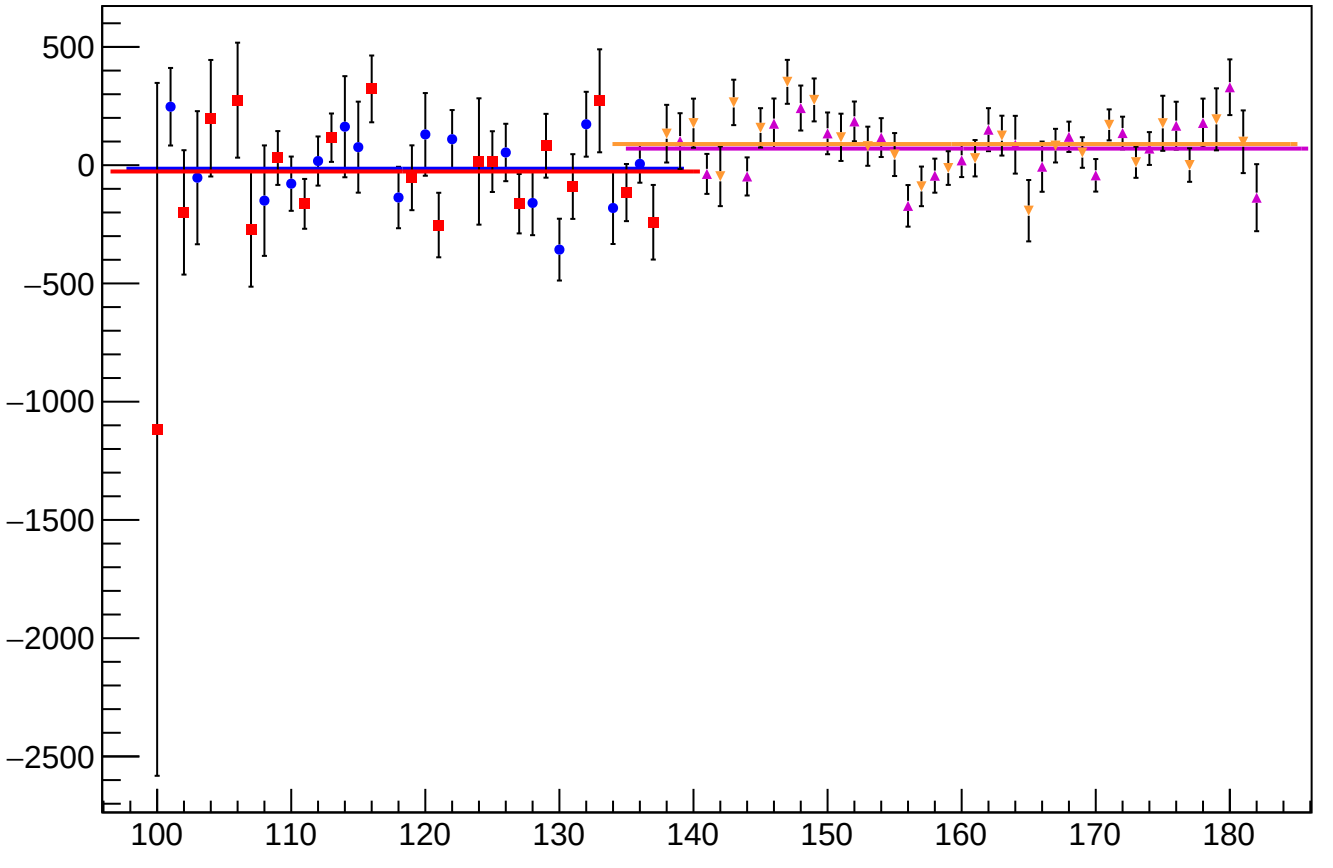
Left: 546.597+/-0.066 χ^2/NDF: 3859232.5/44

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 589.109+/-0.088 χ^2/NDF:4974249.6/37

Out: 601.007+/-0.089 χ^2/NDF:5137456.6/41

All: 594.992+/-0.062 χ^2/NDF: 10120802.8/79



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 89.404+/-18.026 χ^2/NDF:36.7/22

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 70.081+/-18.359 χ^2/NDF:35.9/21

Left: 79.919+/-12.862 χ^2/NDF: 73.2/44

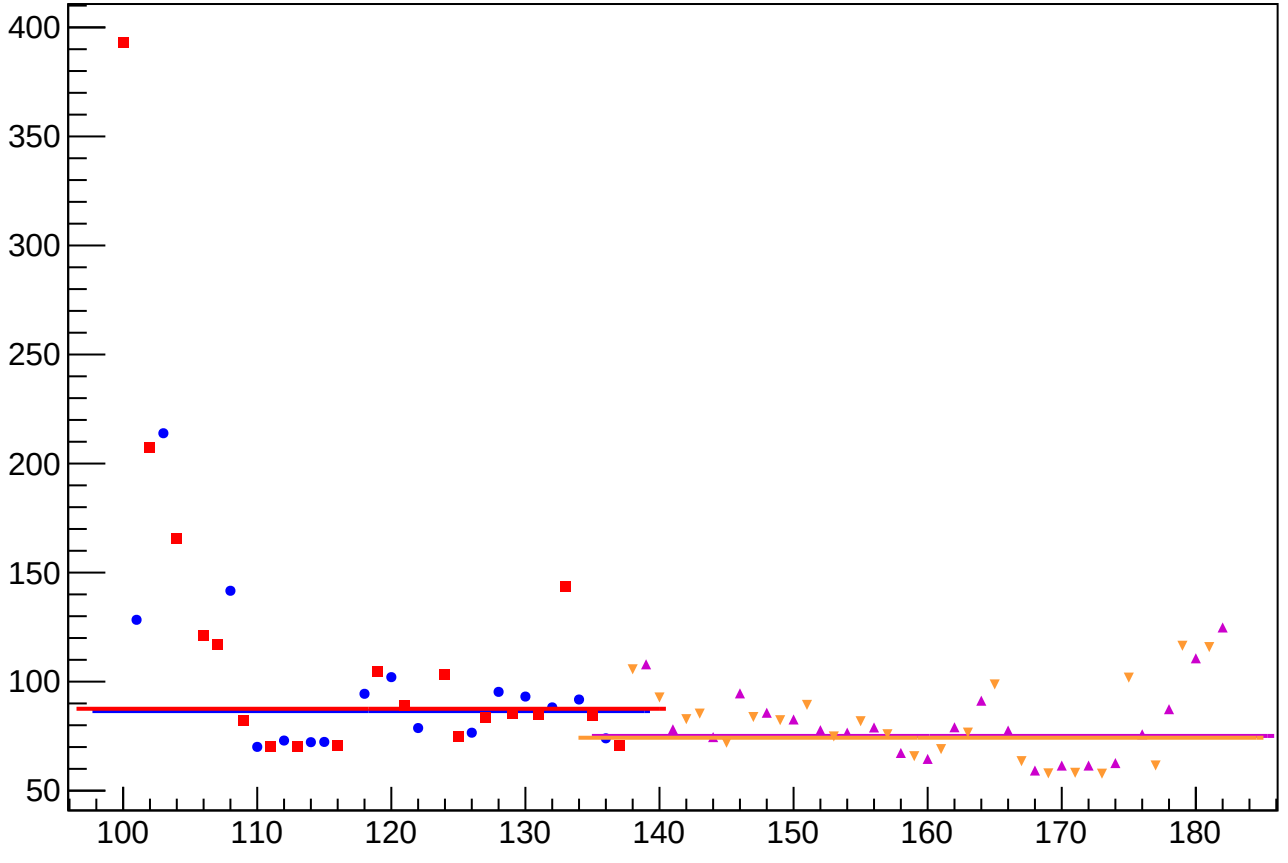
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 50.675+/-16.128 χ^2/NDF:59.1/37

Out: 64.023+/-15.934 χ^2/NDF:69.4/41

All: 57.430+/-11.335 χ^2/NDF: 128.8/79

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 74.272+/-0.013 χ^2/NDF:1438619.4/22

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 75.097+/-0.013 χ^2/NDF:1178514.7/21

Left: 74.677+/-0.009 χ^2/NDF: 2619187.9/44

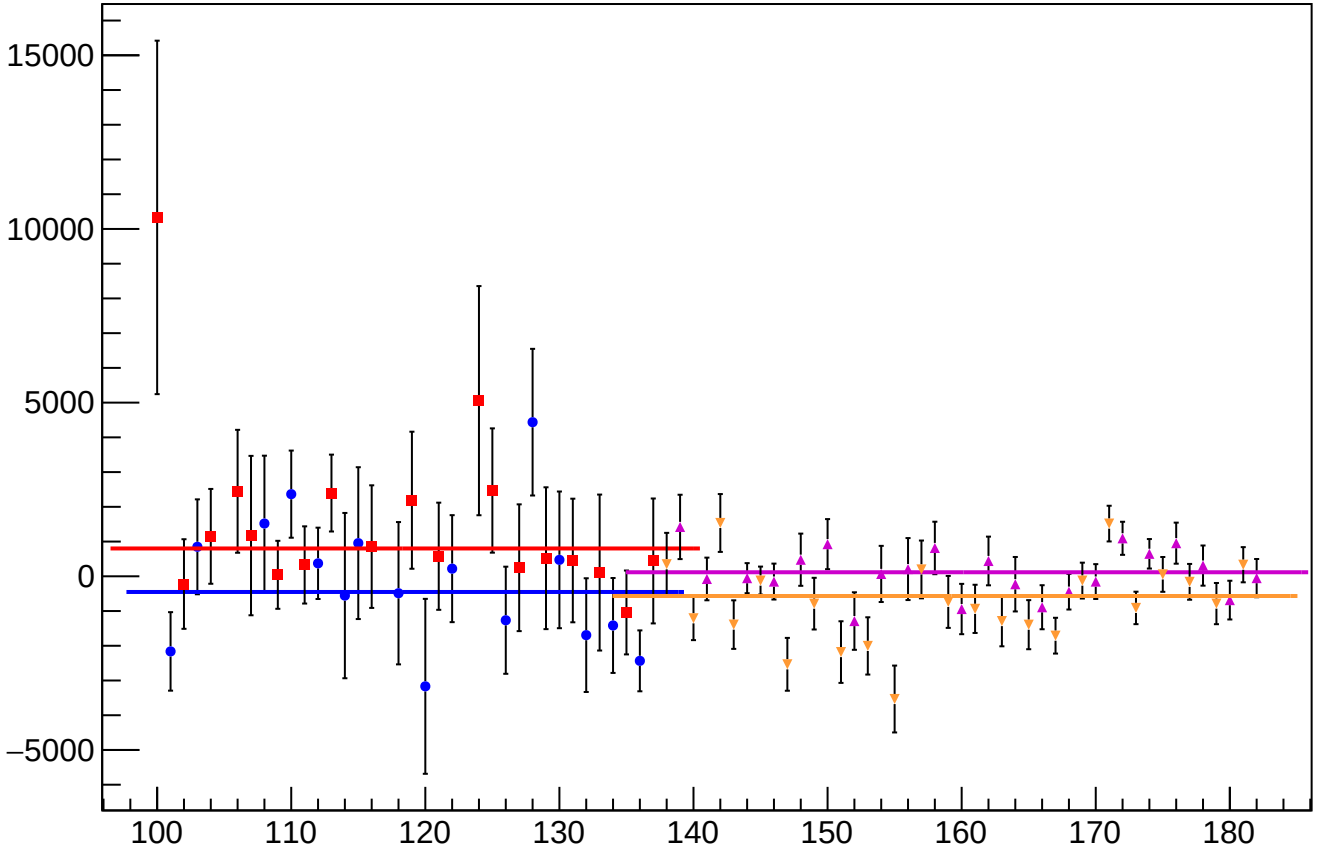
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 77.696+/-0.011 χ^2/NDF:2210537.5/37

Out: 77.177+/-0.011 χ^2/NDF:2805877.8/41

All: 77.433+/-0.008 χ^2/NDF: 5017466.4/79

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: -567.182+/-128.745 χ^2/NDF:65.3/22

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 116.375+/-128.303 χ^2/NDF:24.3/21

Left: -224.227+/-90.880 χ^2/NDF: 103.8/44

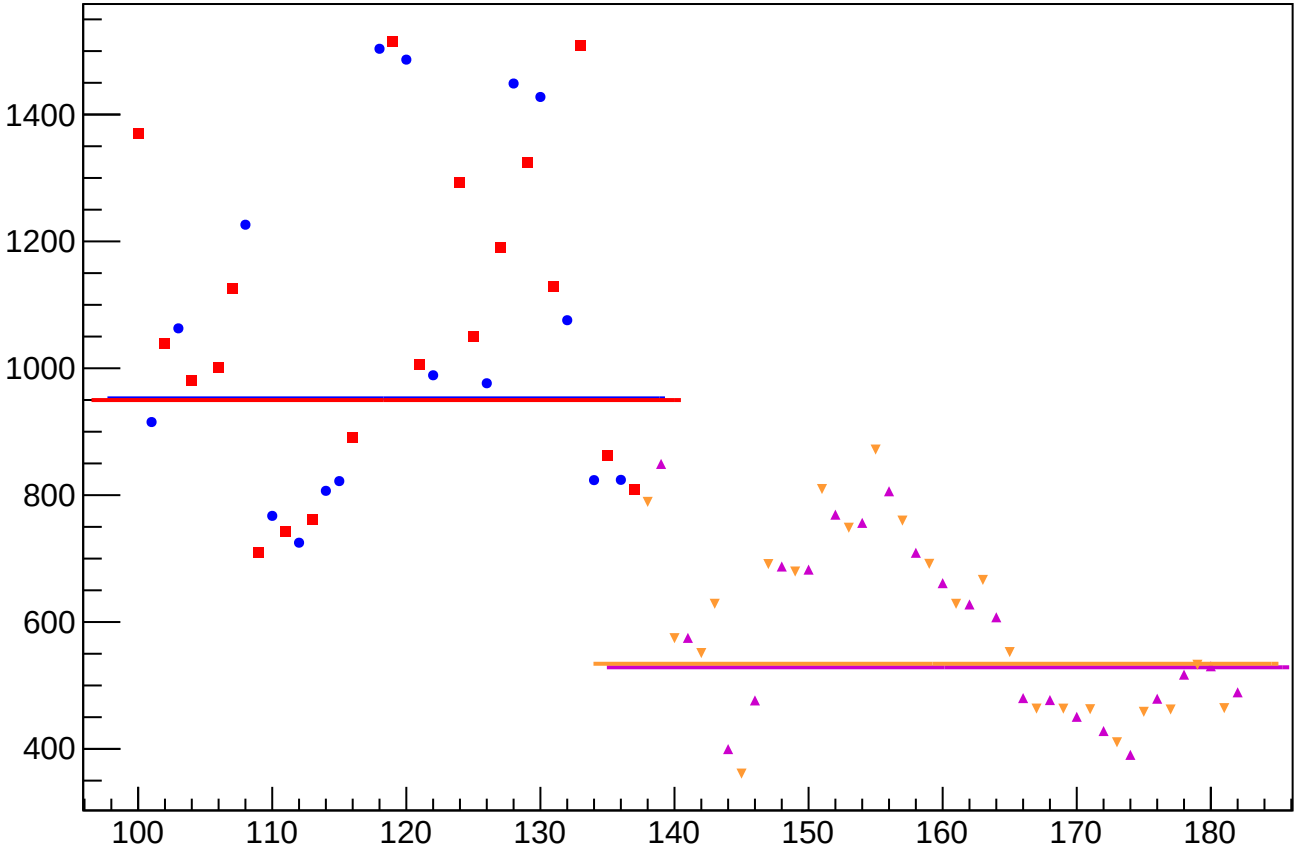
Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: 54.121+/-121.065 χ^2/NDF:50.2/37

Out: -410.372+/-121.144 χ^2/NDF:91.9/41

All: -177.973+/-85.634 χ^2/NDF: 149.4/79

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: 534.217+/-0.091 χ^2/NDF:2027555.6/22

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 528.653+/-0.091 χ^2/NDF:1797699.3/21

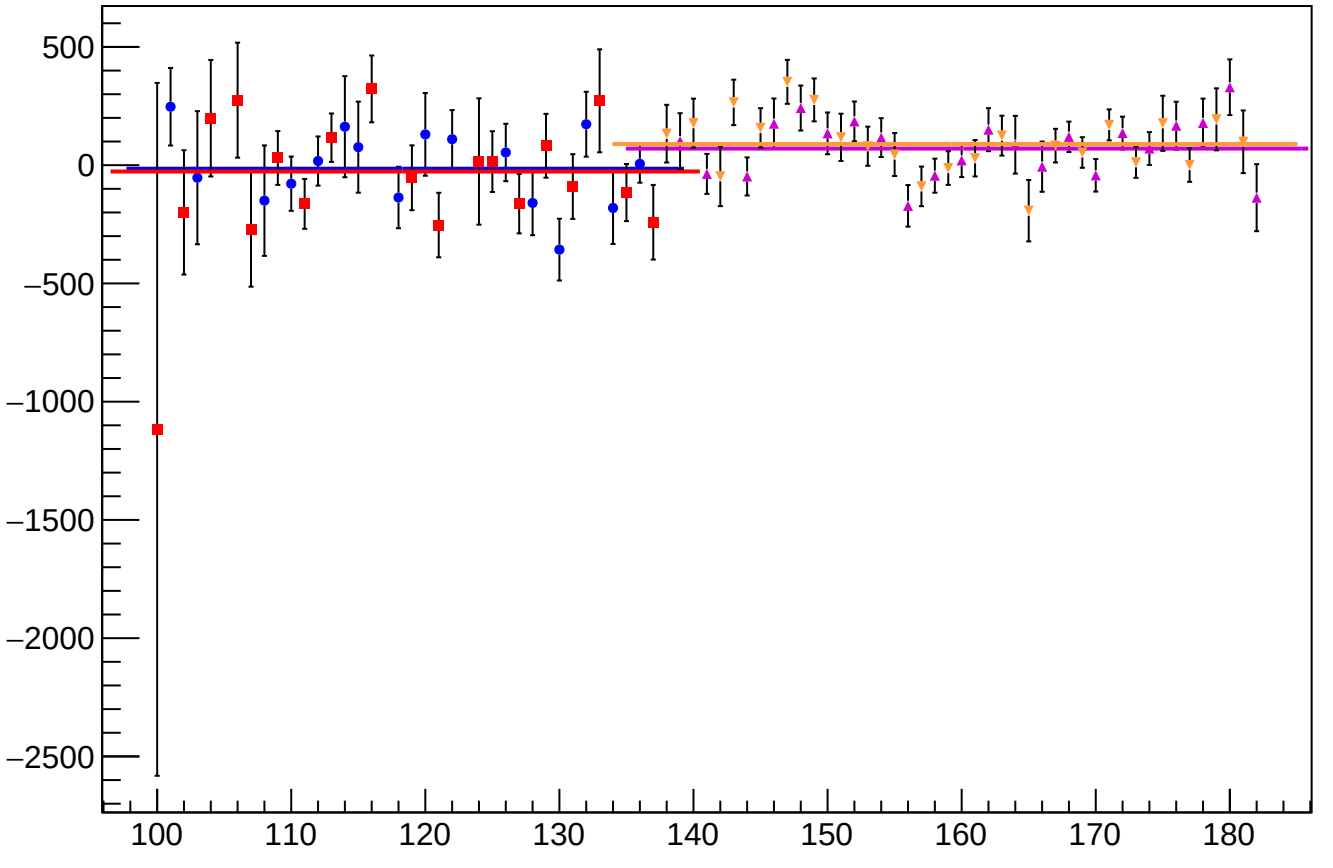
Left: 531.425+/-0.064 χ^2/NDF: 3827129.6/44

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 575.133+/-0.086 χ^2/NDF:4937853.0/37

Out: 581.851+/-0.086 χ^2/NDF:5168348.3/41

All: 578.490+/-0.061 χ^2/NDF: 10109278.9/79



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 89.404+/-18.026 χ^2/NDF:36.7/22

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 70.080+/-18.359 χ^2/NDF:35.9/21

Left: 79.918+/-12.862 χ^2/NDF: 73.2/44

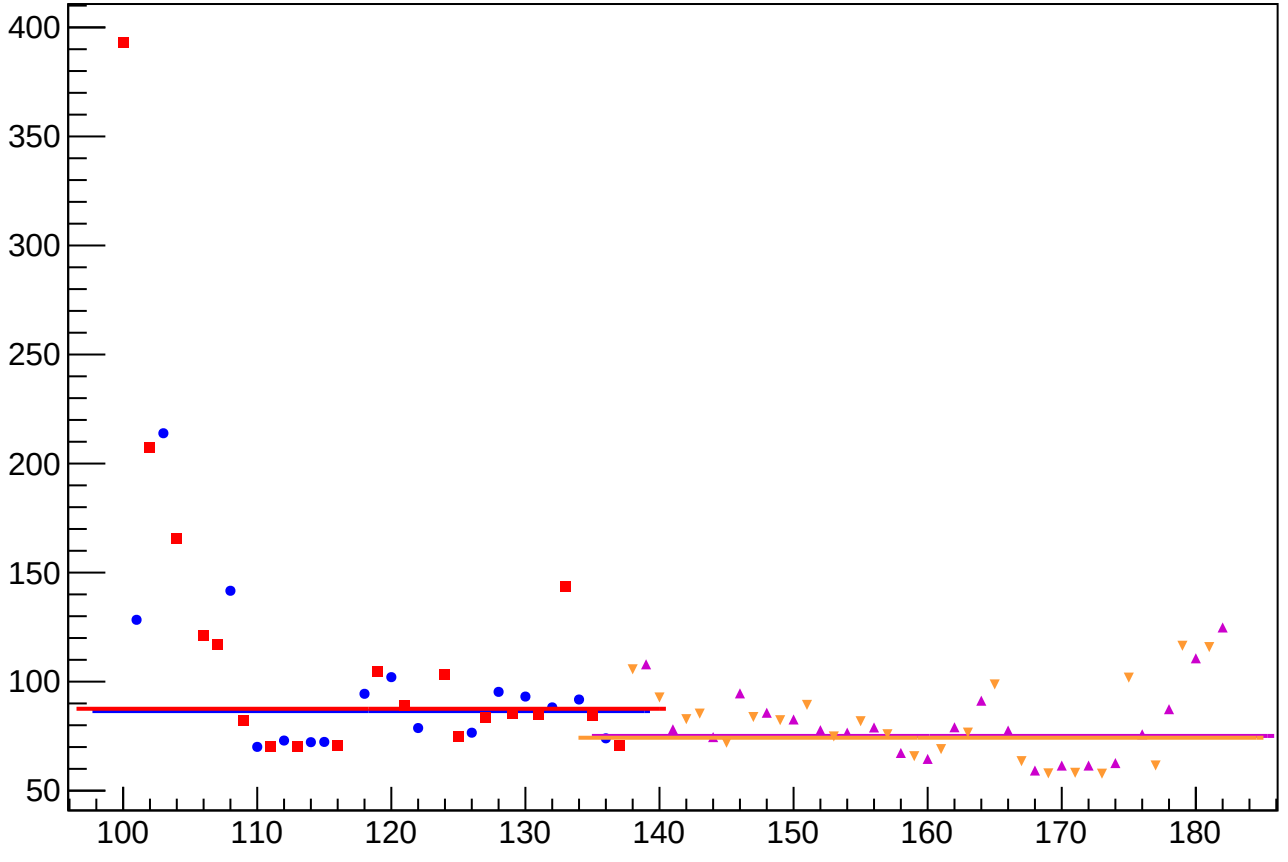
Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 50.674+/-16.128 χ^2/NDF:59.1/37

Out: 64.023+/-15.934 χ^2/NDF:69.4/41

All: 57.429+/-11.335 χ^2/NDF: 128.8/79

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 74.272+/-0.013 χ^2/NDF:1438623.3/22

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 75.097+/-0.013 χ^2/NDF:1178516.6/21

Left: 74.677+/-0.009 χ^2/NDF: 2619193.6/44

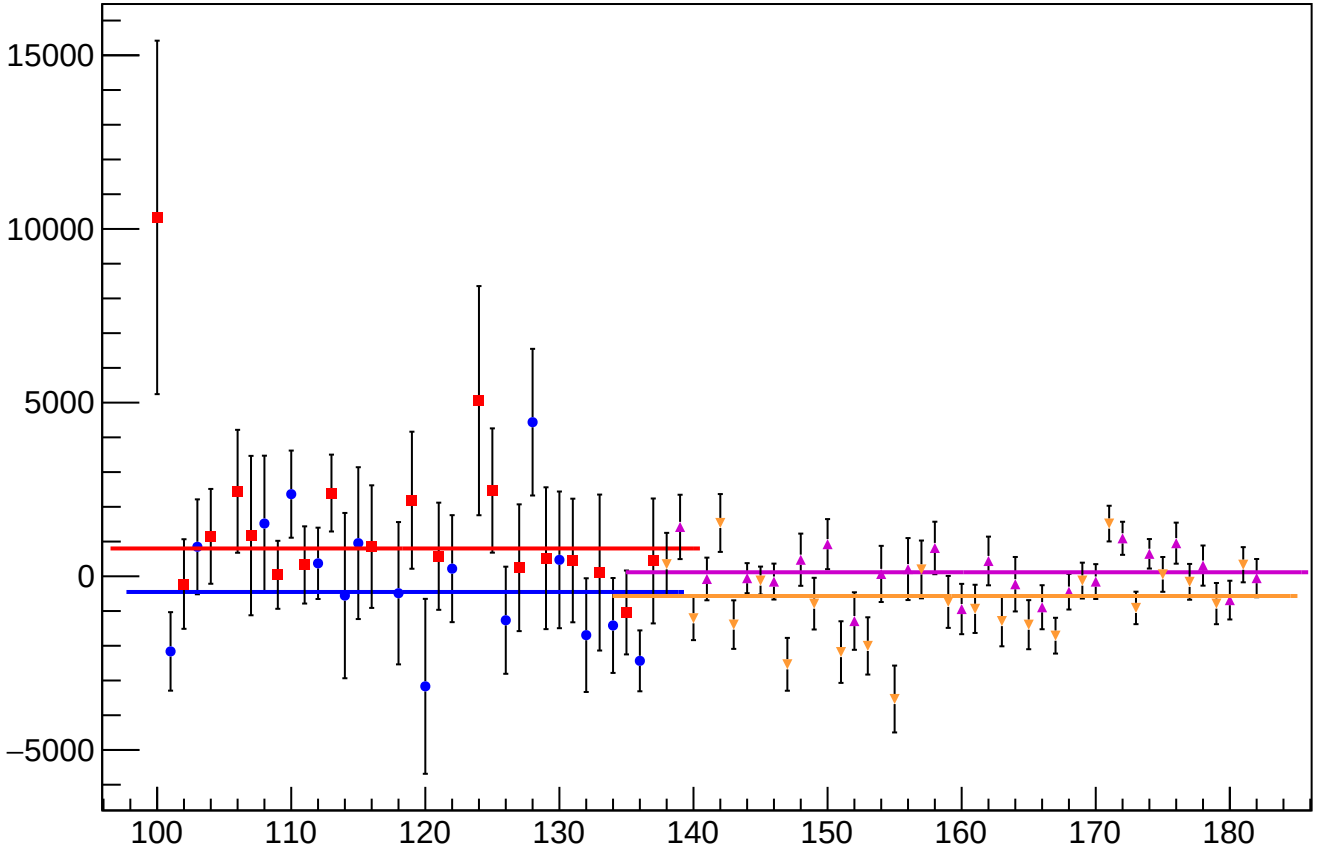
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 77.697+/-0.011 χ^2/NDF:2210534.2/37

Out: 77.177+/-0.011 χ^2/NDF:2805884.4/41

All: 77.434+/-0.008 χ^2/NDF: 5017469.6/79

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: -567.182+/-128.745 χ^2/NDF:65.3/22

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 116.375+/-128.303 χ^2/NDF:24.3/21

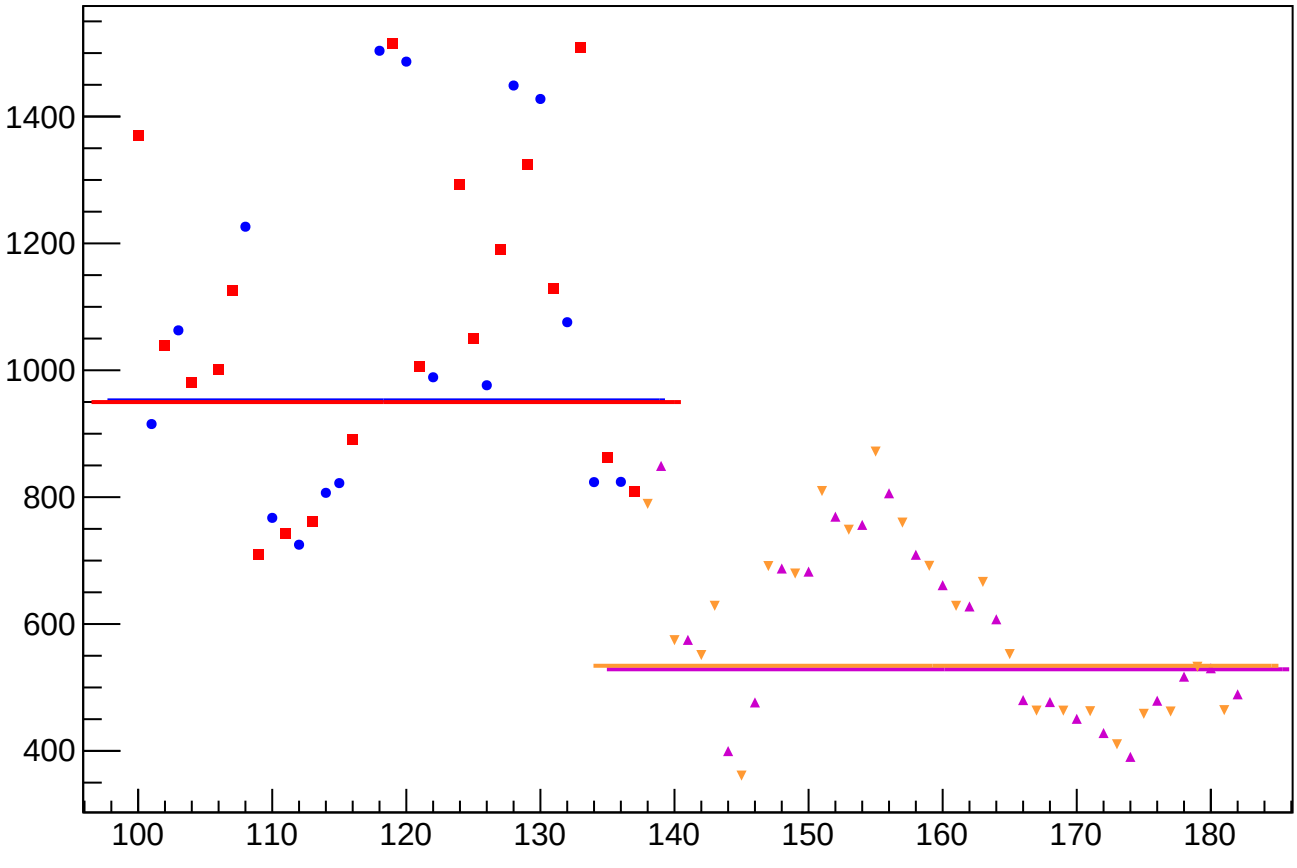
Left: -224.227+/-90.880 χ^2/NDF: 103.8/44

Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: 54.121+/-121.064 χ^2/NDF:50.2/37

Out: -410.372+/-121.144 χ^2/NDF:91.9/41

All: -177.973+/-85.634 χ^2/NDF: 149.4/79



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 534.217+/-0.091 χ^2/NDF:2027550.8/22

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 528.652+/-0.091 χ^2/NDF:1797693.6/21

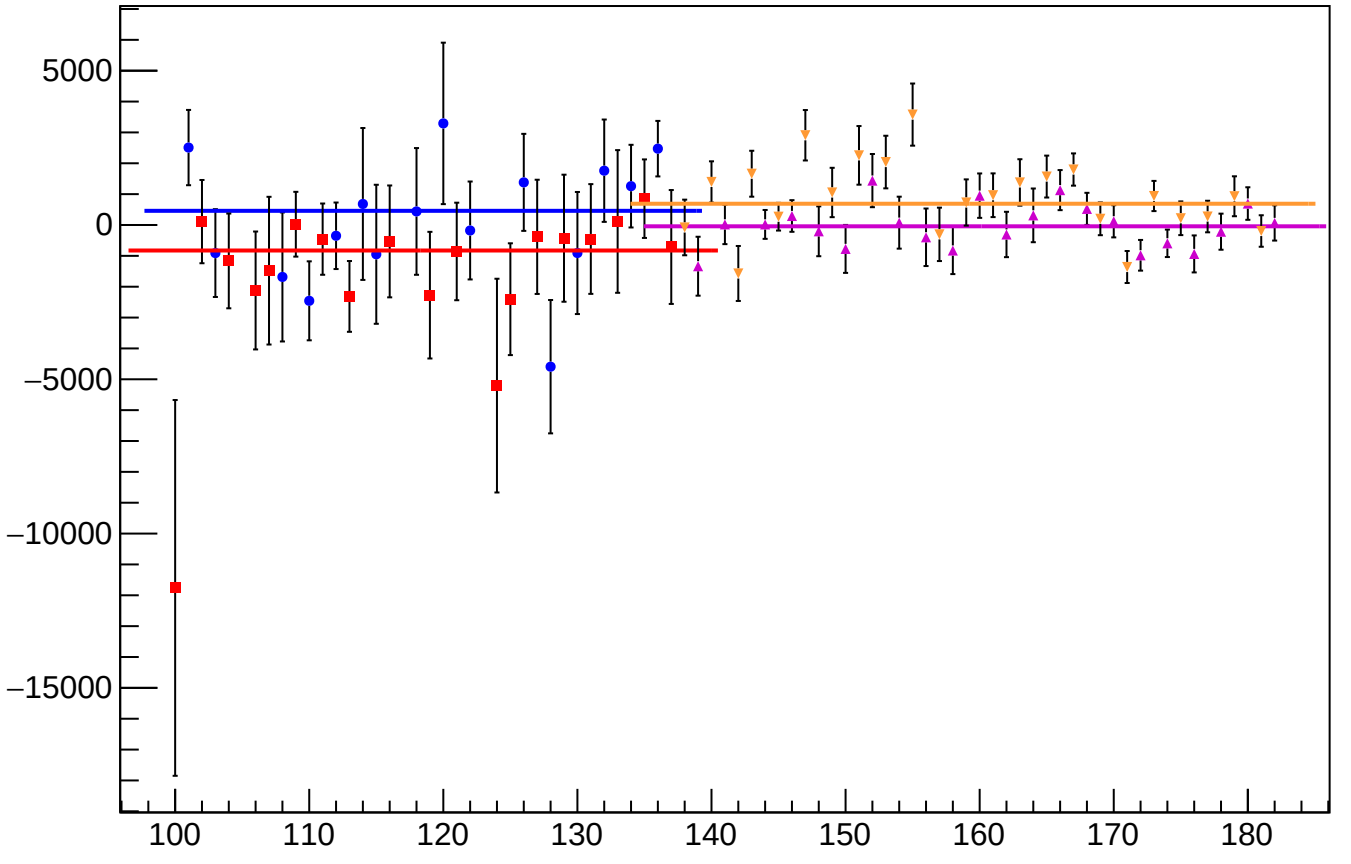
Left: 531.425+/-0.064 χ^2/NDF: 3827119.0/44

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 575.133+/-0.086 χ^2/NDF:4937840.1/37

Out: 581.851+/-0.086 χ^2/NDF:5168333.9/41

All: 578.490+/-0.061 χ^2/NDF: 10109251.6/79



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 688.815+/-134.136 χ^2/NDF:61.7/22

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -42.354+/-132.436 χ^2/NDF:23.5/21

Left: 318.569+/-94.242 χ^2/NDF: 100.3/44

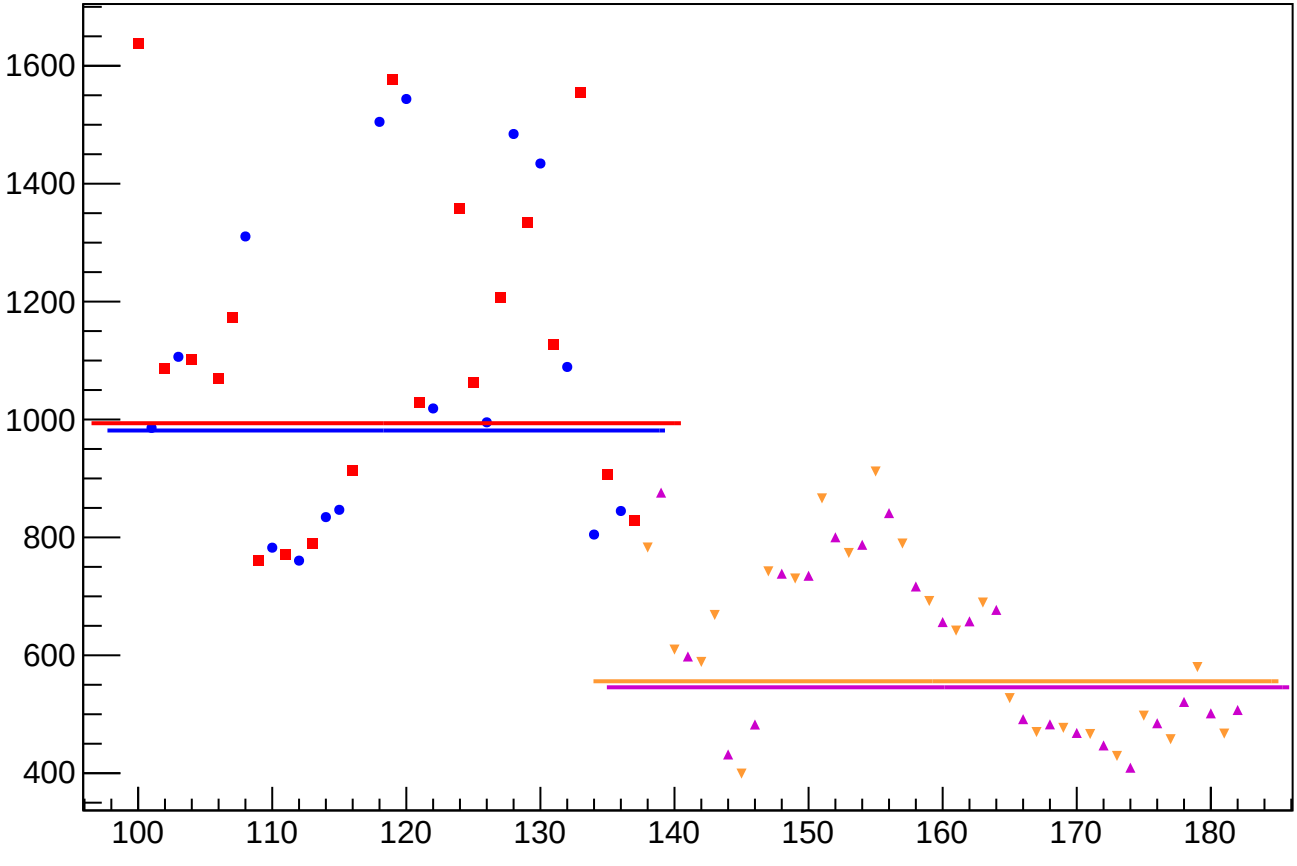
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 12.767+/-124.946 χ^2/NDF:49.7/37

Out: 516.309+/-126.270 χ^2/NDF:87.9/41

All: 261.884+/-88.815 χ^2/NDF: 145.6/79

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 555.944+/-0.095 χ^2/NDF:1984218.6/22

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 545.726+/-0.094 χ^2/NDF:1814506.1/21

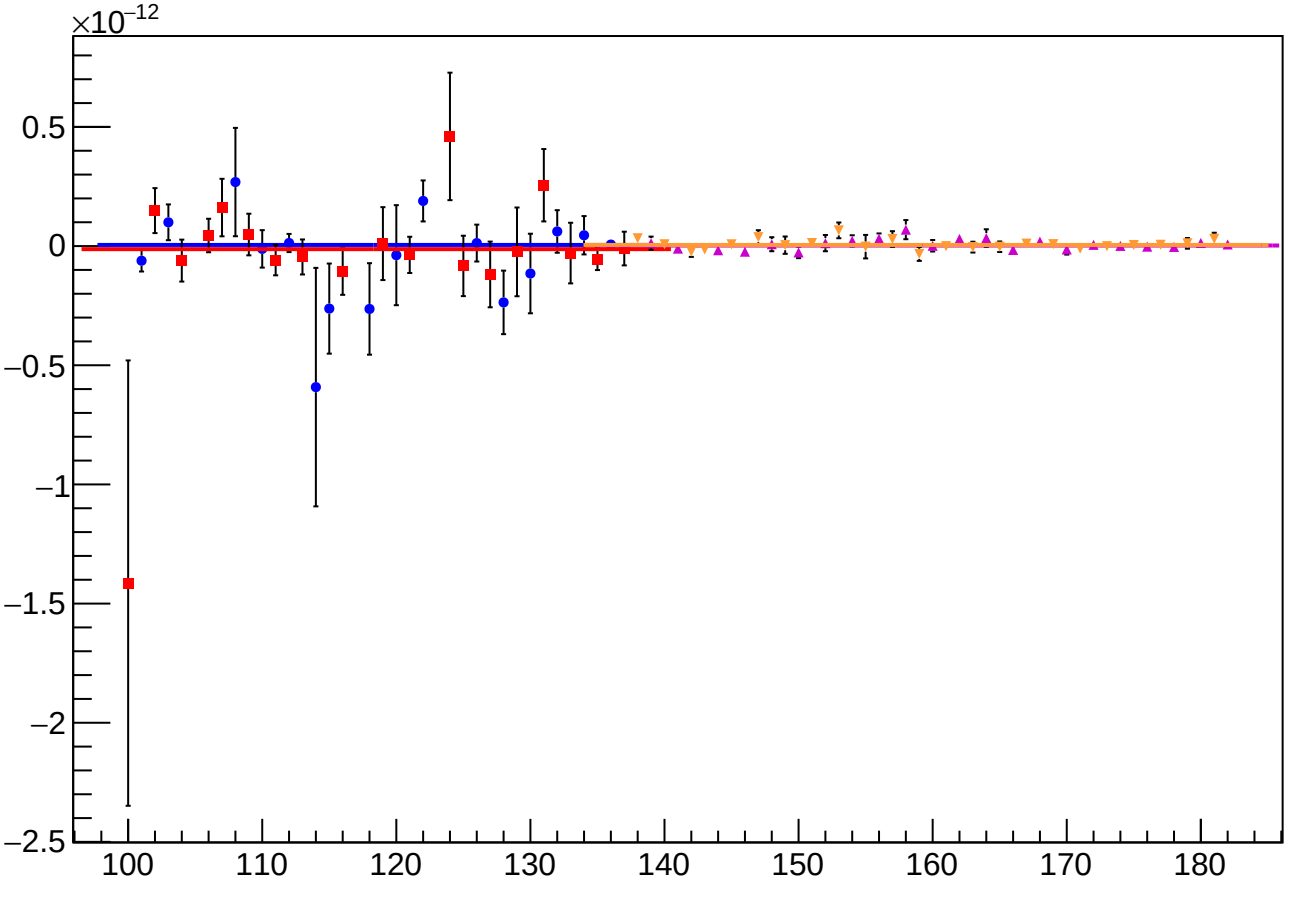
Left: 550.770+/-0.067 χ^2/NDF: 3804601.4/44

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 593.607+/-0.088 χ^2/NDF:4930573.6/37

Out: 605.776+/-0.089 χ^2/NDF:5128761.5/41

All: 599.628+/-0.063 χ^2/NDF: 10068720.4/79



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/22

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.9/21

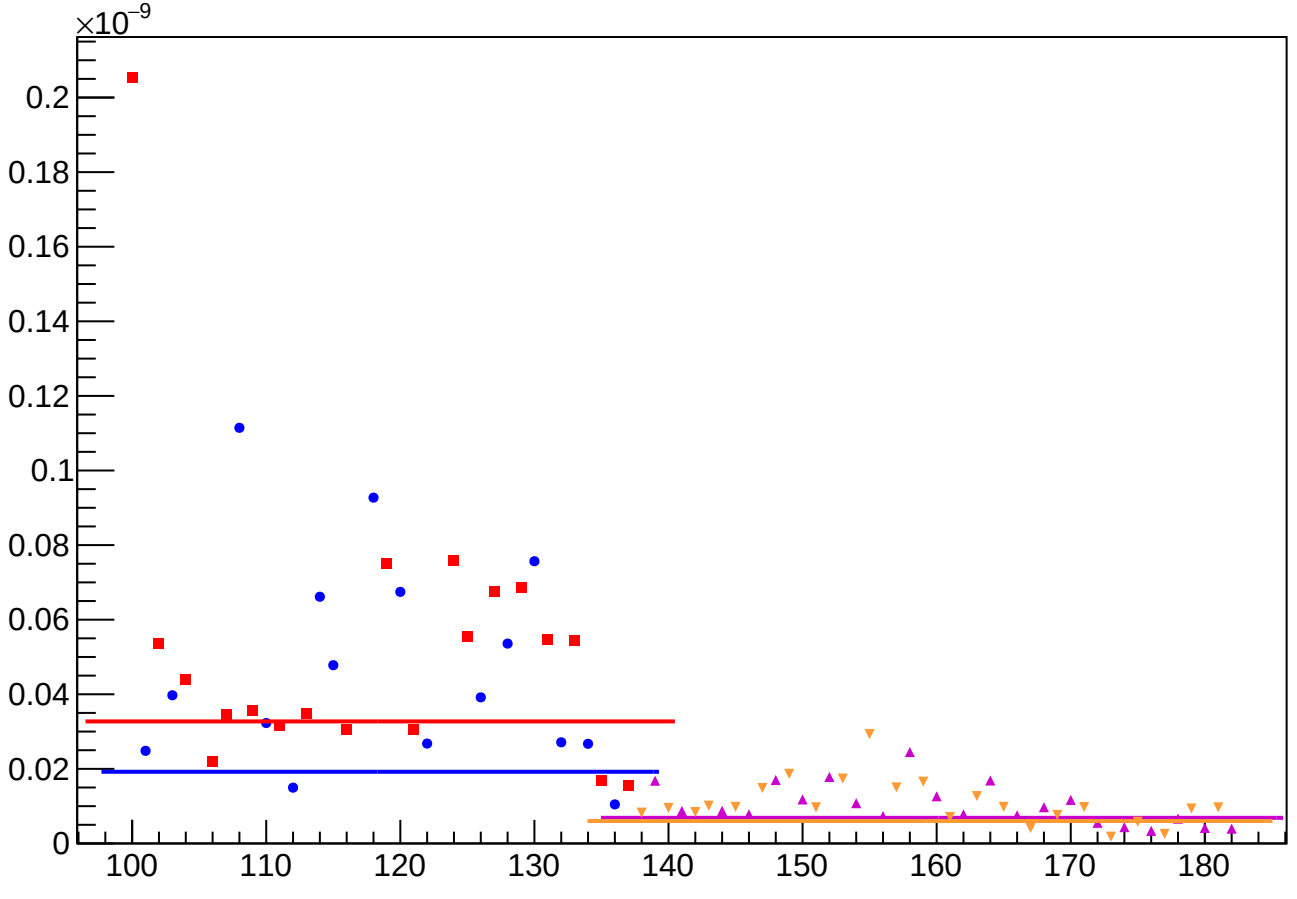
Left: 0.000+/-0.000 χ^2/NDF: 35.6/44

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

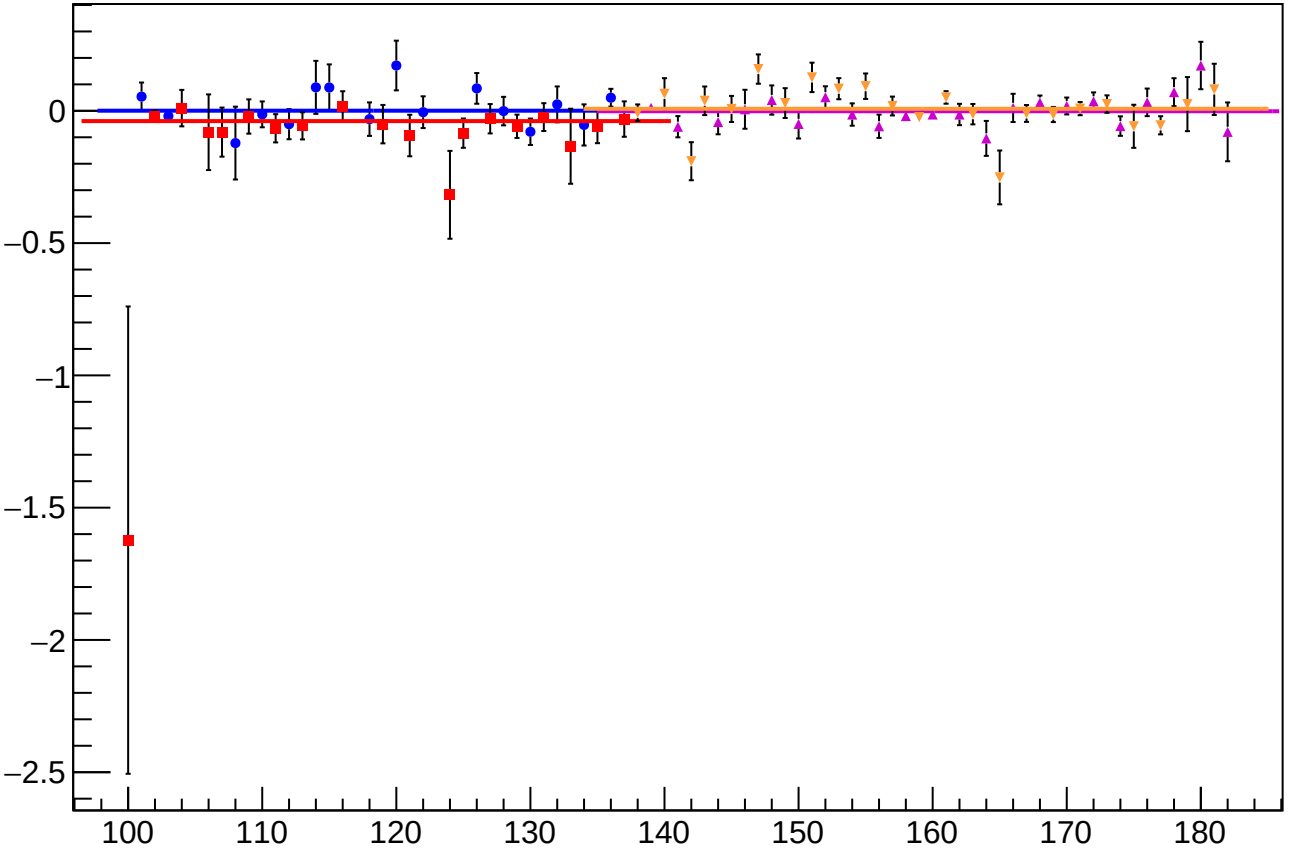
In: 0.000+/-0.000 χ^2/NDF:39.6/37

Out: 0.000+/-0.000 χ^2/NDF:34.6/41

All: 0.000+/-0.000 χ^2/NDF: 74.4/79


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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3600287.3/22
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:2417052.6/21
Left: 0.000+/-0.000 χ²/NDF: 6085099.3/44
Right: 0.000+/-0.000 χ²/NDF: 3729954.2/34
In: 0.000+/-0.000 χ²/NDF:5782385.6/37
Out: 0.000+/-0.000 χ²/NDF:8023357.2/41
All: 0.000+/-0.000 χ²/NDF: 13885724.5/79

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/22

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.002+/-0.007 χ^2/NDF:24.6/21

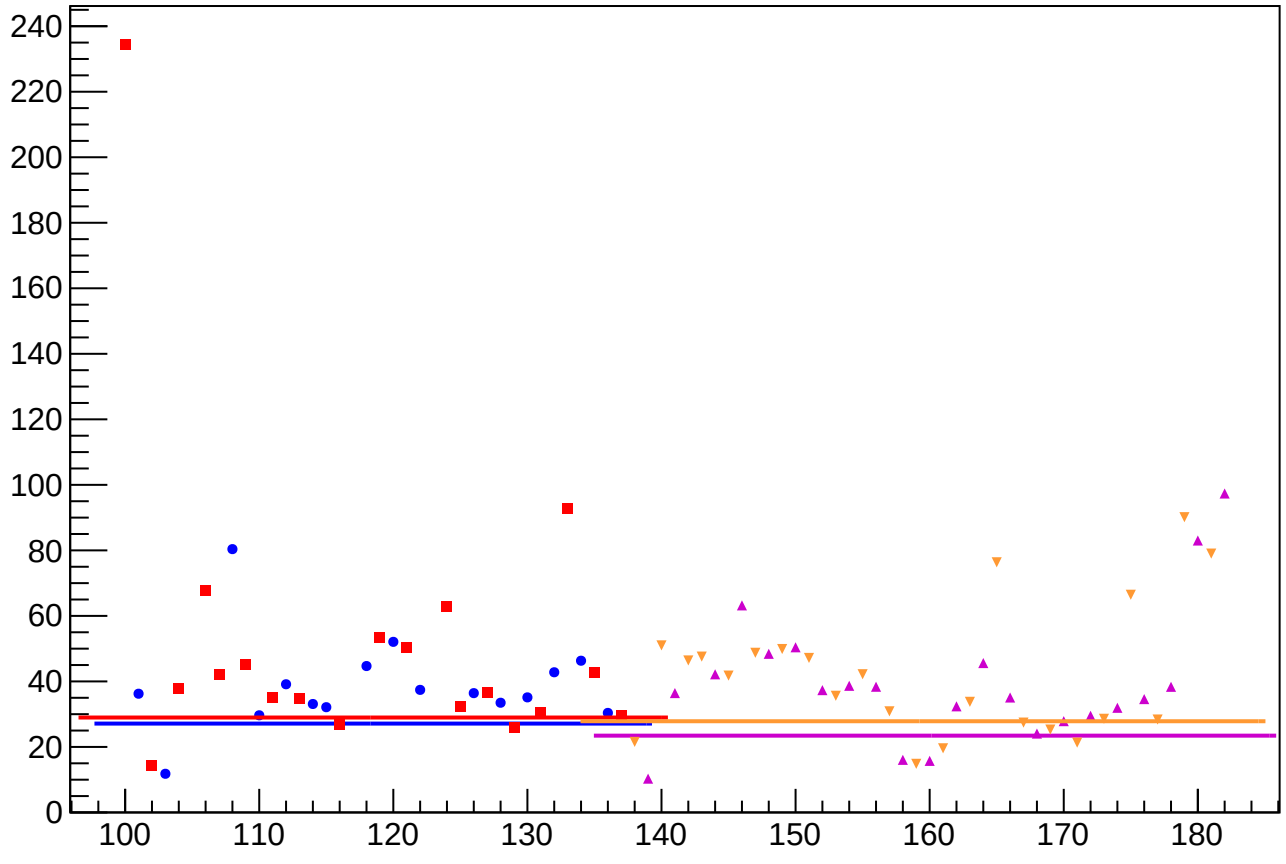
Left: 0.003+/-0.005 χ^2/NDF: 72.9/44

Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:41.1/37

Out: -0.005+/-0.007 χ^2/NDF:68.5/41

All: -0.003+/-0.004 χ^2/NDF: 109.7/79



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.842+/-0.005 χ^2/NDF:5946213.3/22

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 23.444+/-0.005 χ^2/NDF:7997352.9/21

Left: 25.401+/-0.004 χ^2/NDF: 14314026.8/44

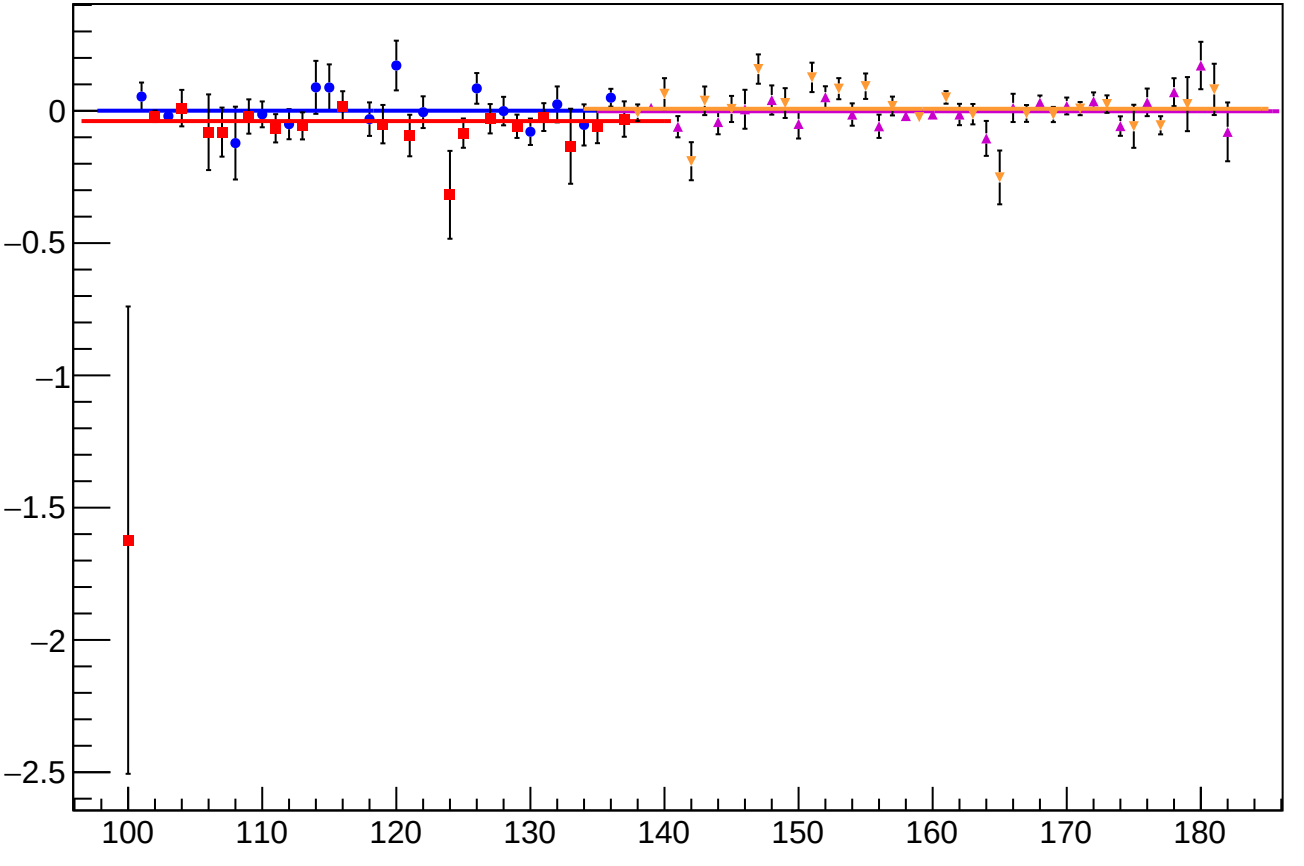
Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 24.339+/-0.004 χ^2/NDF:10554576.7/37

Out: 28.145+/-0.005 χ^2/NDF:8414335.8/41

All: 26.062+/-0.003 χ^2/NDF: 19341760.9/79

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/22

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.002+/-0.007 χ^2/NDF:24.6/21

Left: 0.003+/-0.005 χ^2/NDF: 72.9/44

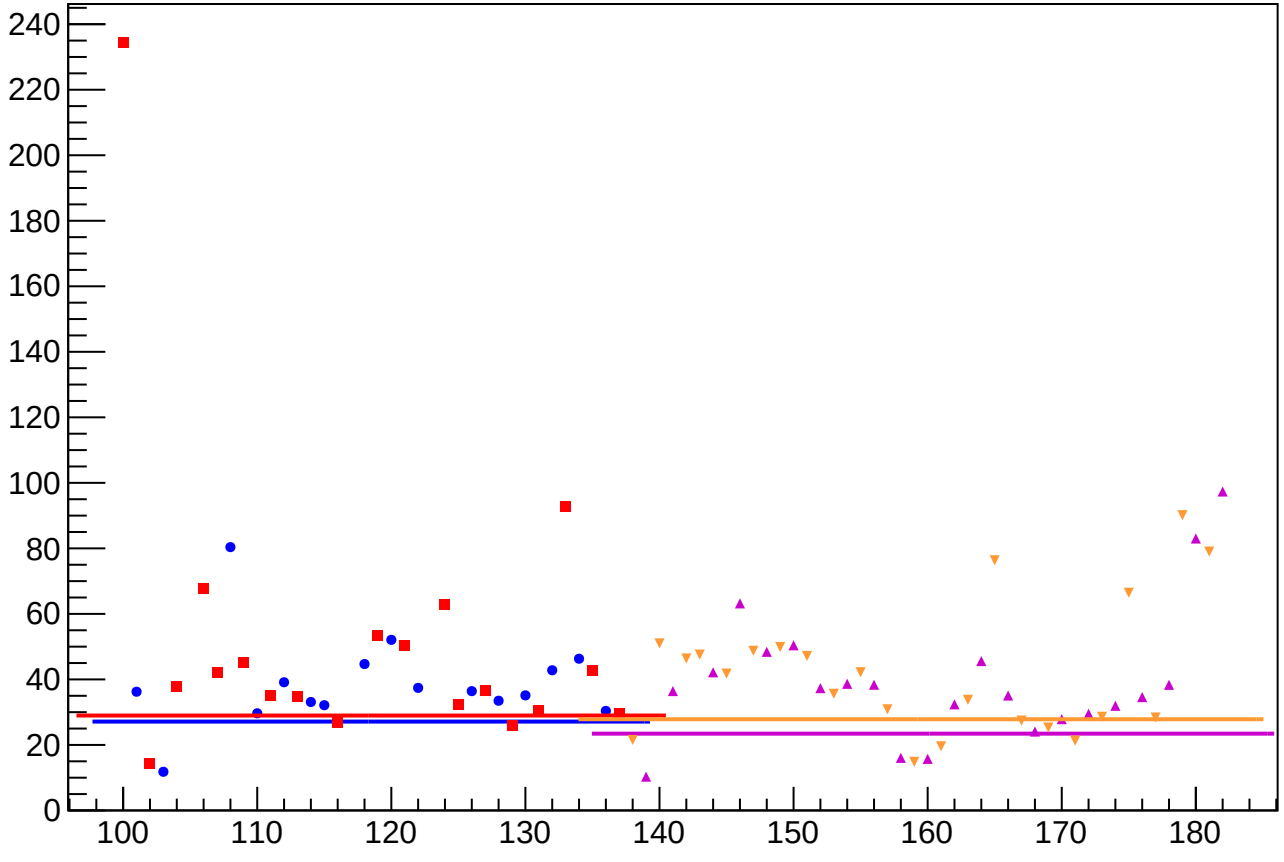
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:41.1/37

Out: -0.005+/-0.007 χ^2/NDF:68.5/41

All: -0.003+/-0.004 χ^2/NDF: 109.7/79

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.842+/-0.005 χ^2/NDF:5946213.3/22

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 23.444+/-0.005 χ^2/NDF:7997352.9/21

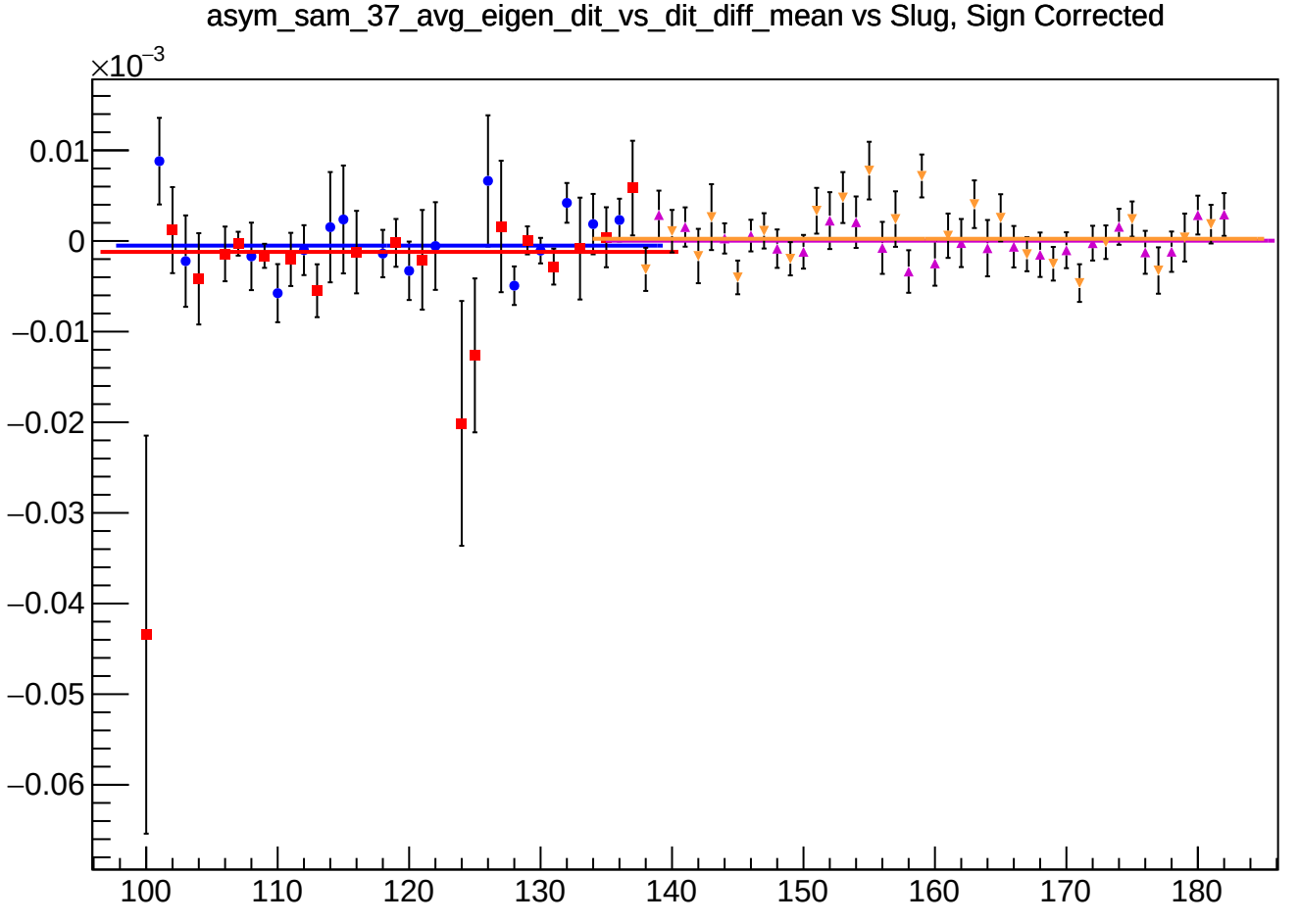
Left: 25.401+/-0.004 χ^2/NDF: 14314026.8/44

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 24.339+/-0.004 χ^2/NDF:10554576.7/37

Out: 28.145+/-0.005 χ^2/NDF:8414335.8/41

All: 26.062+/-0.003 χ^2/NDF: 19341760.9/79



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.9/22

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/21

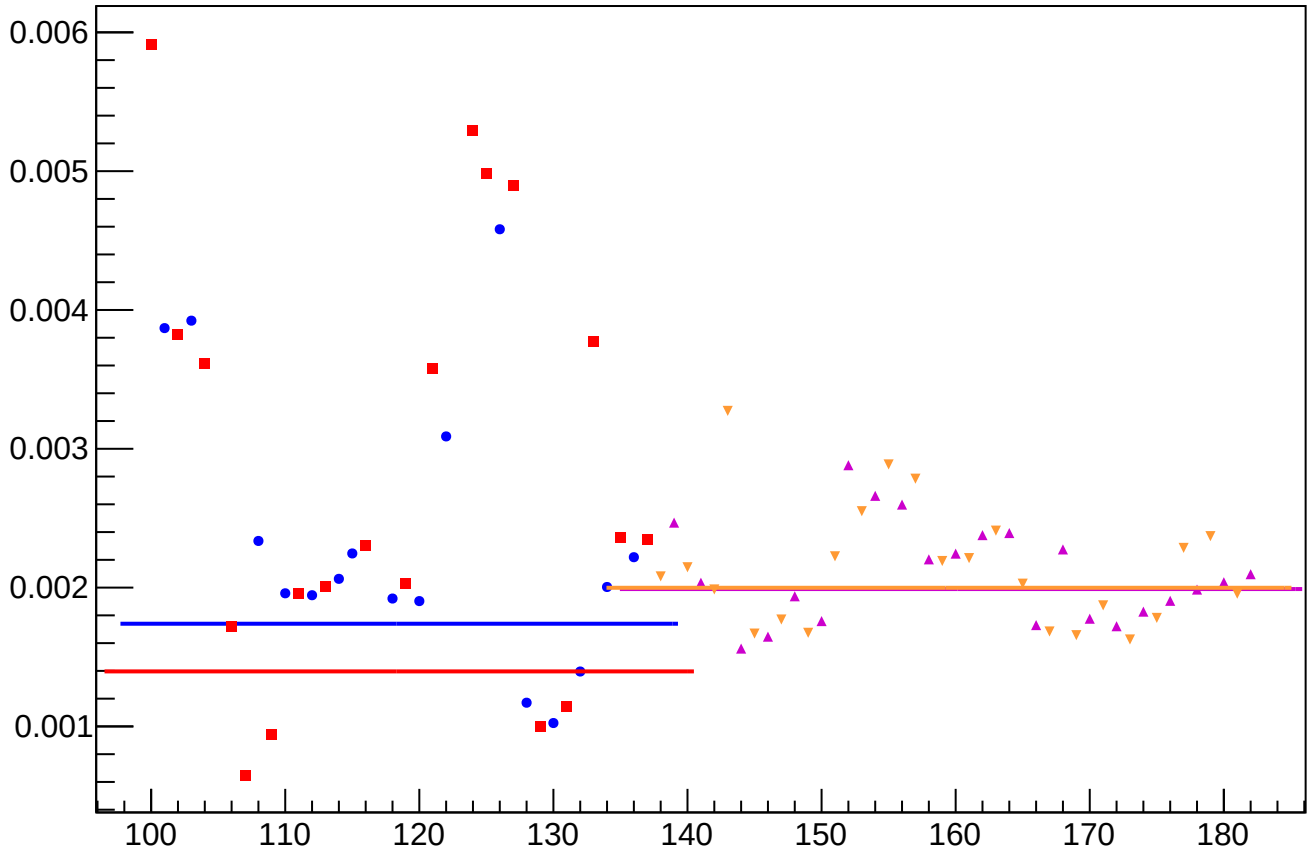
Left: 0.000+/-0.000 χ^2/NDF: 55.8/44

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:32.2/37

Out: -0.000+/-0.000 χ^2/NDF:61.9/41

All: -0.000+/-0.000 χ^2/NDF: 94.2/79



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1171185.3/22

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:920871.8/21

Left: 0.002+/-0.000 χ^2/NDF: 2092426.7/44

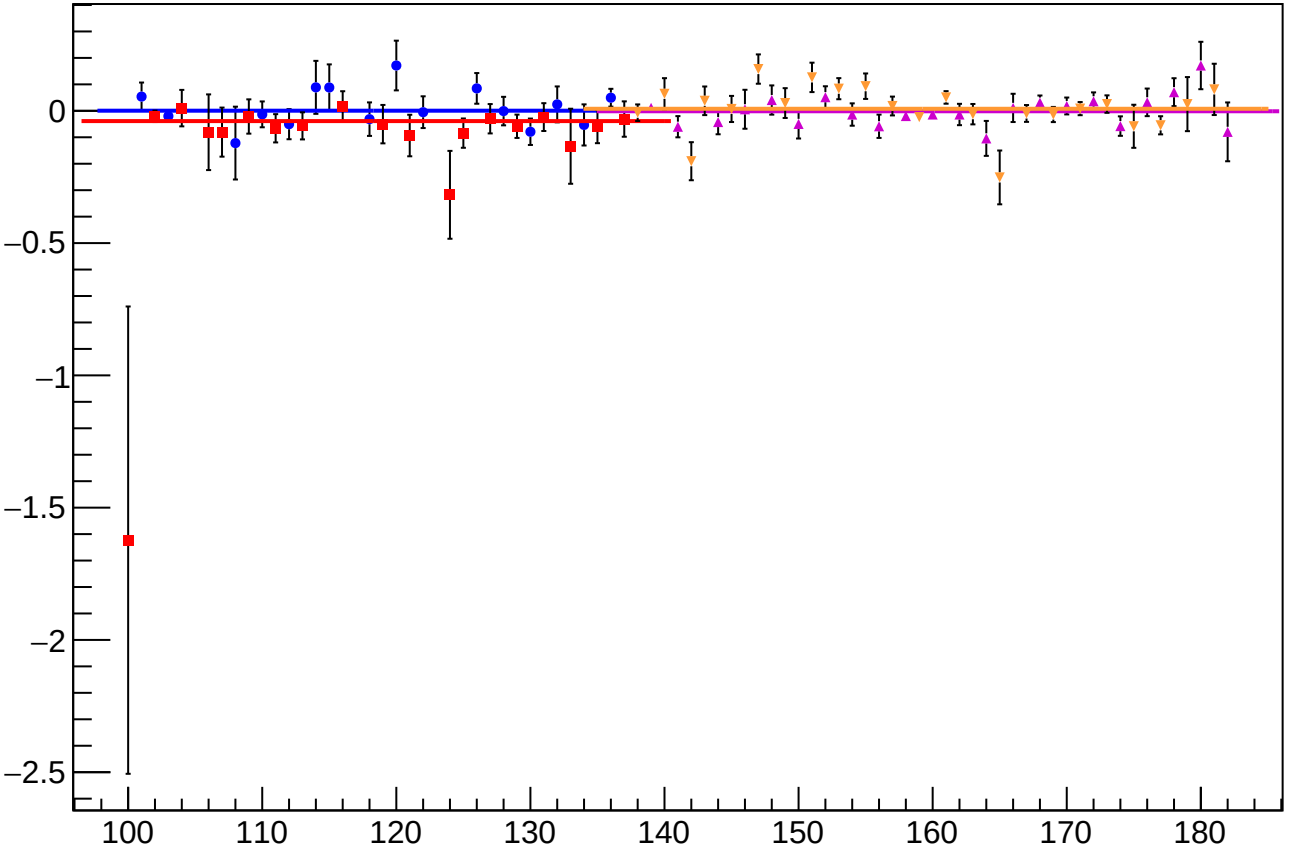
Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3236286.7/37

Out: 0.002+/-0.000 χ^2/NDF:6700806.6/41

All: 0.002+/-0.000 χ^2/NDF: 10071867.6/79

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/22

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.002+/-0.007 χ^2/NDF:24.6/21

Left: 0.003+/-0.005 χ^2/NDF: 72.9/44

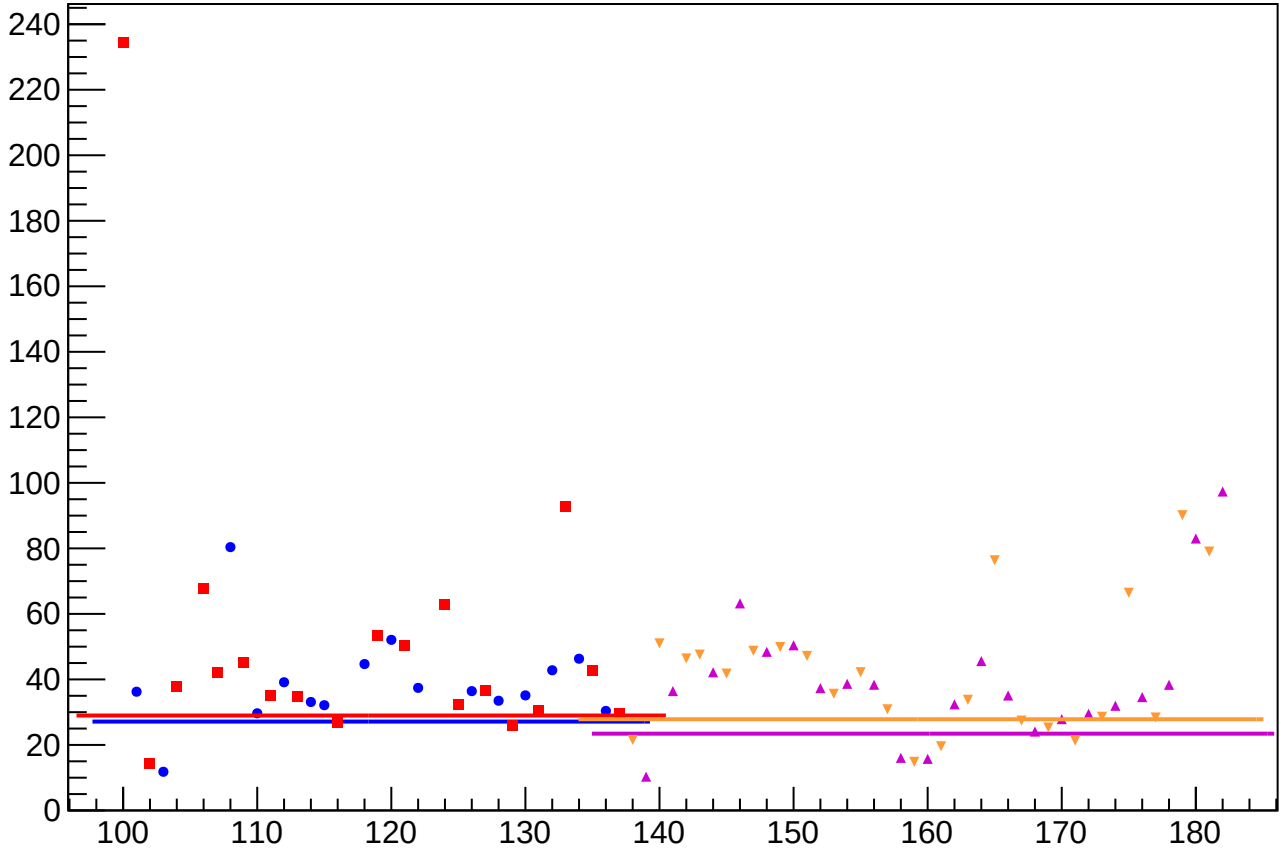
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:41.1/37

Out: -0.005+/-0.007 χ^2/NDF:68.5/41

All: -0.003+/-0.004 χ^2/NDF: 109.7/79

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.842+/-0.005 χ^2/NDF:5946663.1/22

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 23.443+/-0.005 χ^2/NDF:7998399.4/21

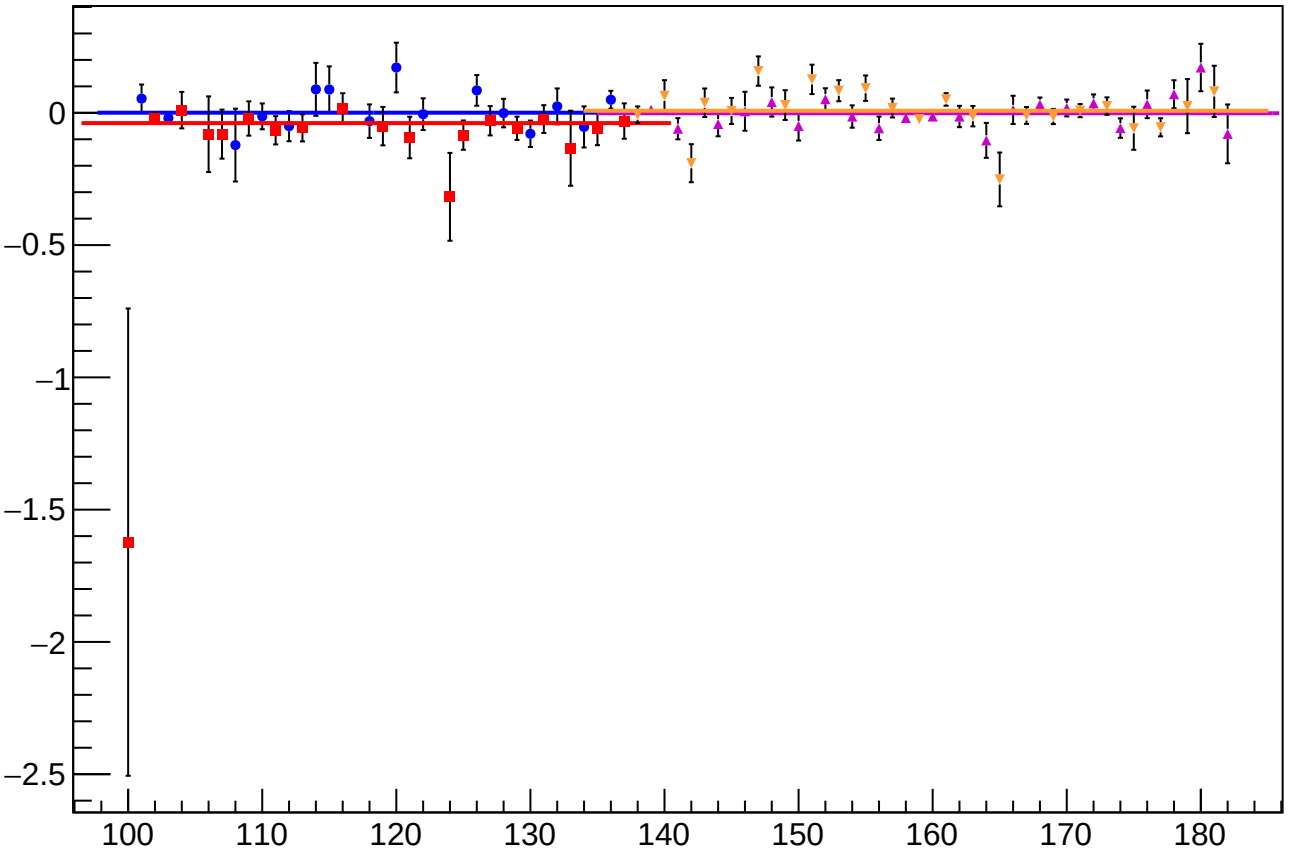
Left: 25.400+/-0.004 χ^2/NDF: 14315663.9/44

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 24.338+/-0.004 χ^2/NDF:10555991.6/37

Out: 28.146+/-0.005 χ^2/NDF:8414253.8/41

All: 26.061+/-0.003 χ^2/NDF: 19343387.9/79



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/22

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.002+/-0.007 χ^2/NDF:24.6/21

Left: 0.003+/-0.005 χ^2/NDF: 72.9/44

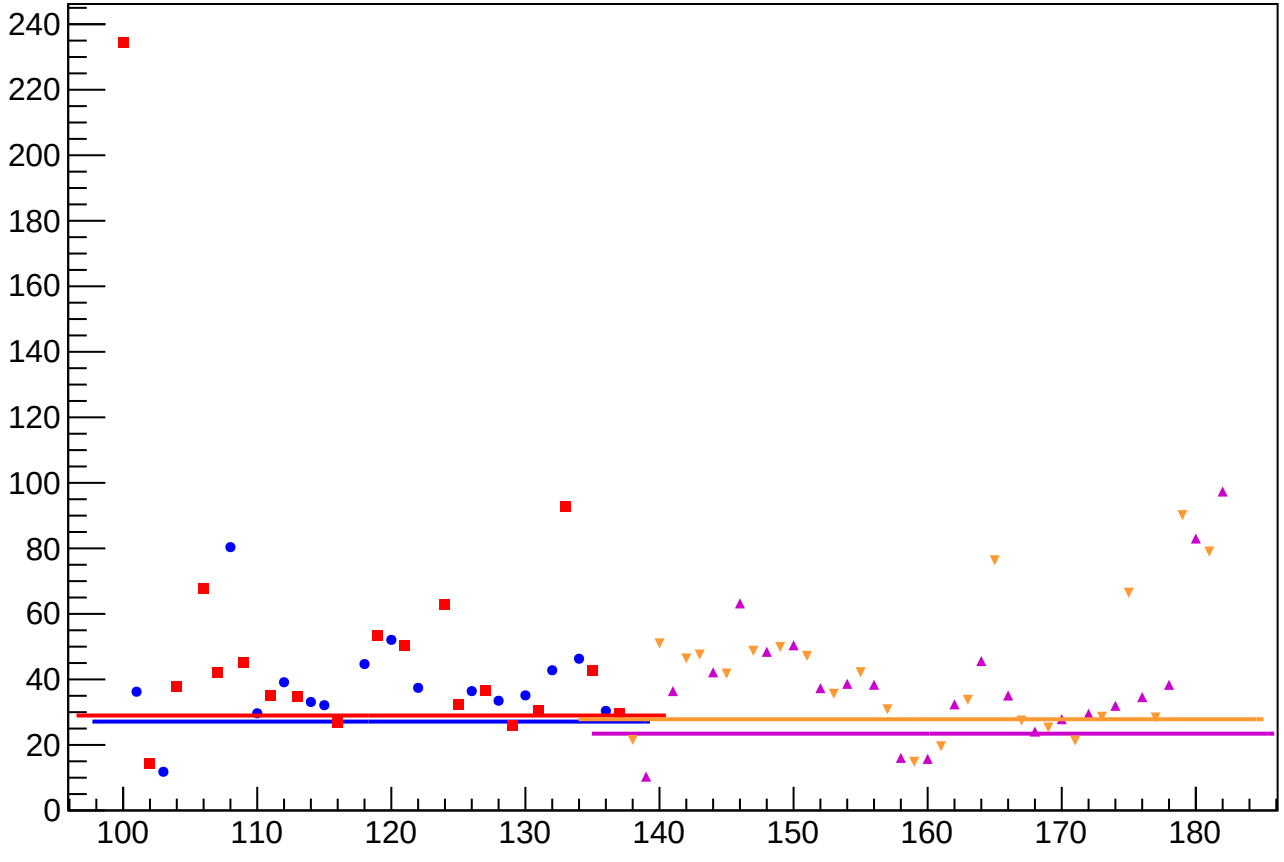
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:41.1/37

Out: -0.005+/-0.007 χ^2/NDF:68.5/41

All: -0.003+/-0.004 χ^2/NDF: 109.7/79

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.842+/-0.005 χ^2/NDF:5946663.1/22

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 23.443+/-0.005 χ^2/NDF:7998399.4/21

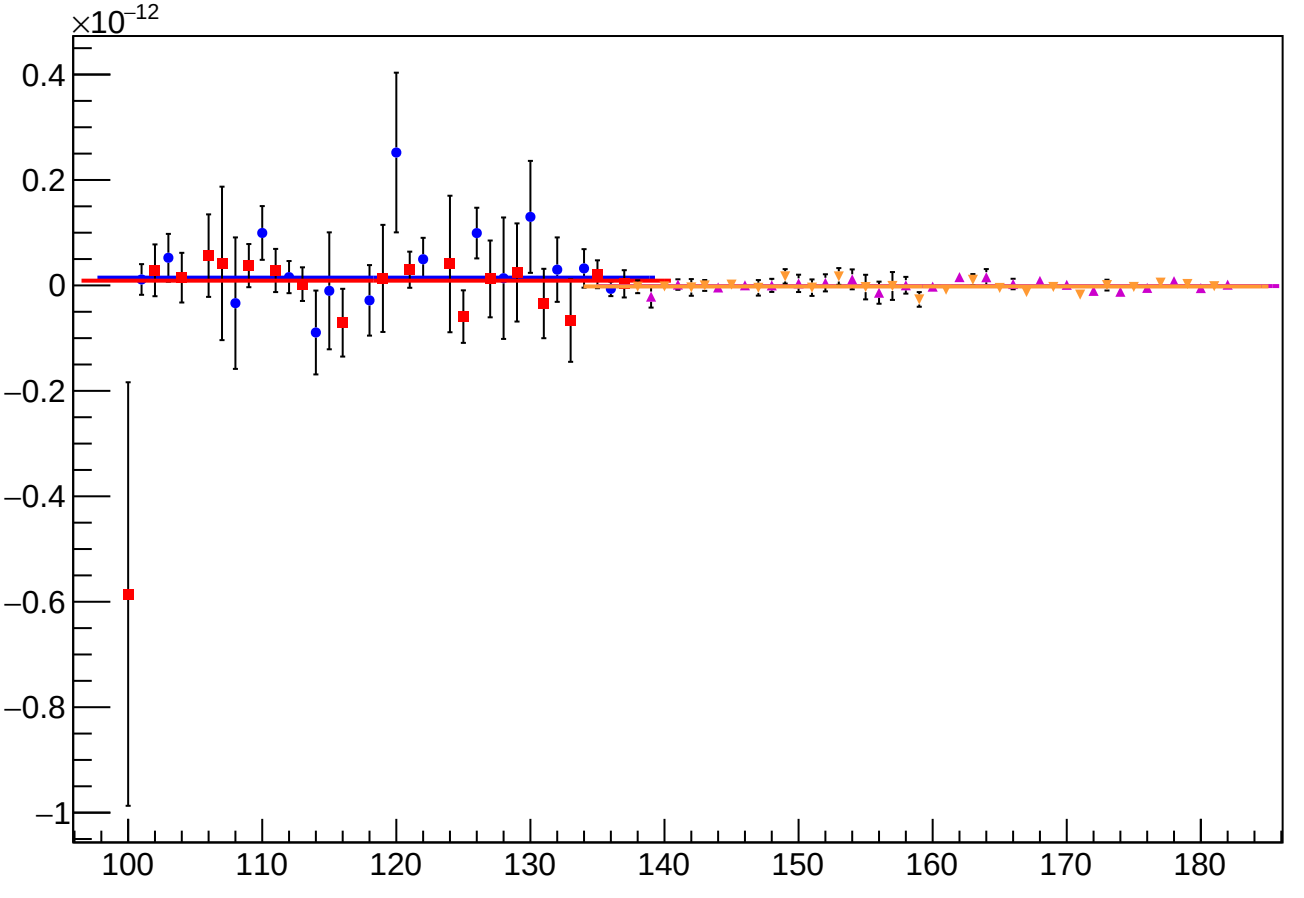
Left: 25.400+/-0.004 χ^2/NDF: 14315663.9/44

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 24.338+/-0.004 χ^2/NDF:10555991.6/37

Out: 28.146+/-0.005 χ^2/NDF:8414253.8/41

All: 26.061+/-0.003 χ^2/NDF: 19343387.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/21

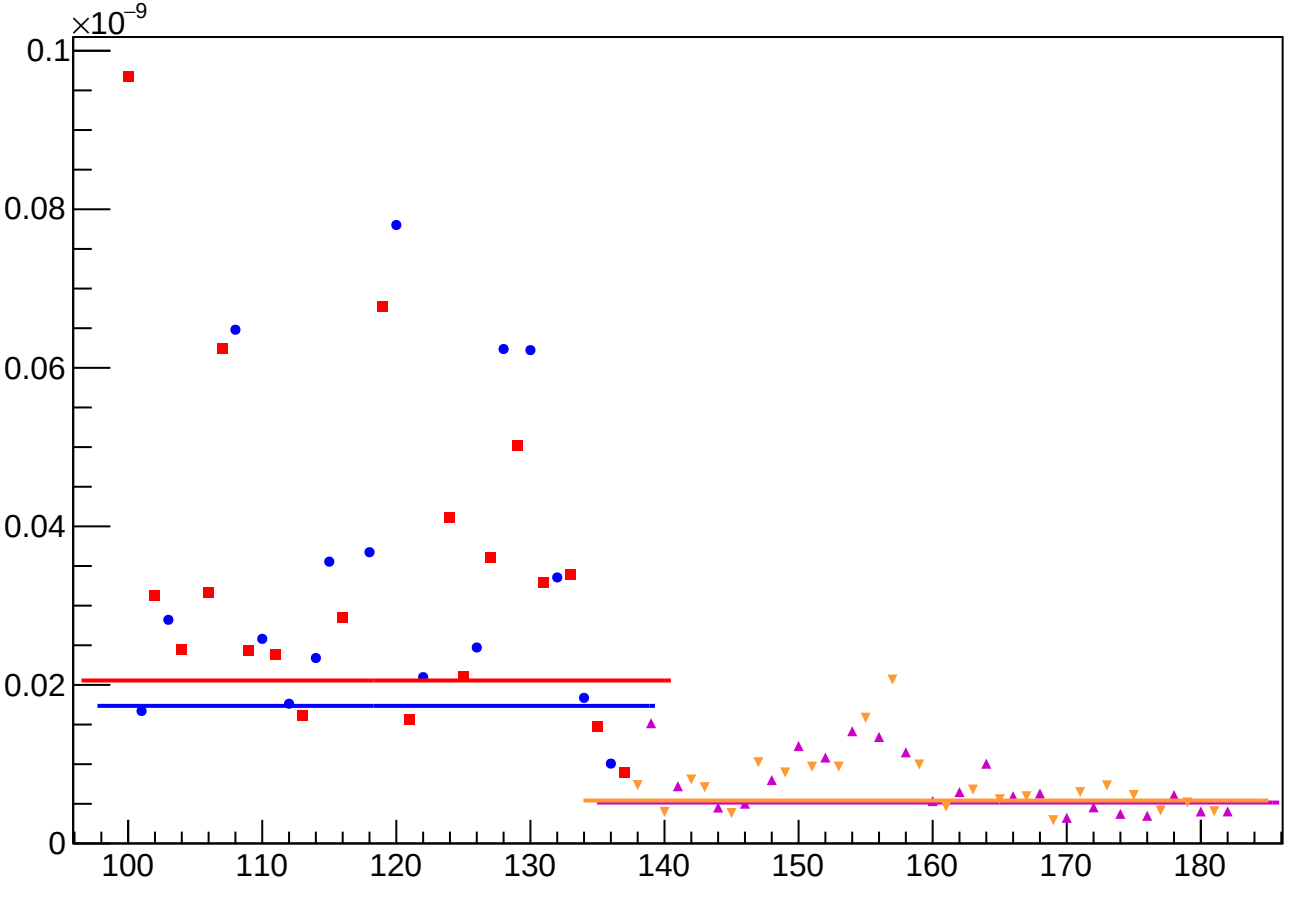
Left: -0.000+/-0.000 χ^2/NDF: 31.3/44

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: -0.000+/-0.000 χ^2/NDF:34.5/37

Out: -0.000+/-0.000 χ^2/NDF:25.4/41

All: -0.000+/-0.000 χ^2/NDF: 60.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3063961.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3390699.1/21

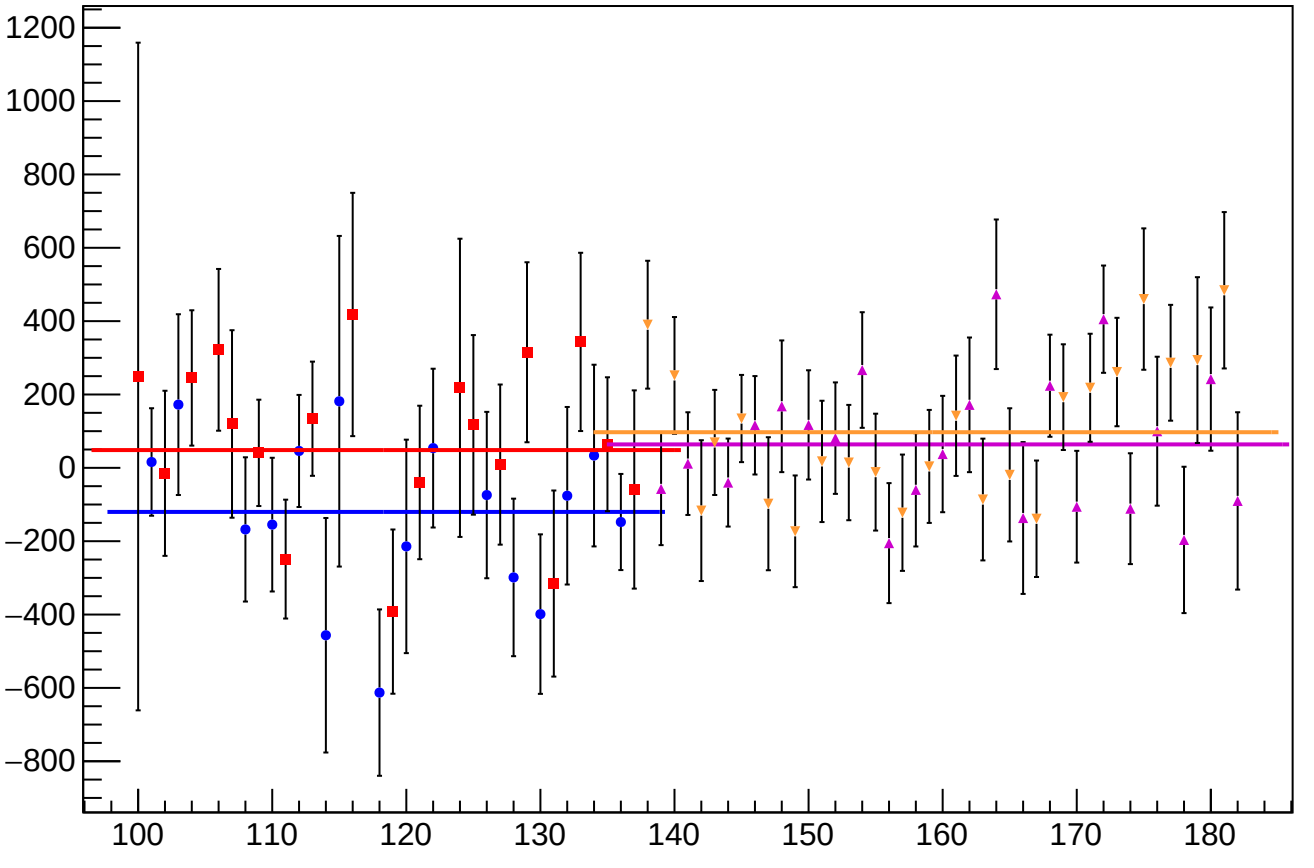
Left: 0.000+/-0.000 χ^2/NDF: 6474118.7/44

Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:9048224.7/37

Out: 0.000+/-0.000 χ^2/NDF:8790884.1/41

All: 0.000+/-0.000 χ^2/NDF: 17861446.3/79



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 97.164+/-33.656 χ^2/NDF:28.0/22

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 63.925+/-34.256 χ^2/NDF:24.8/21

Left: 80.838+/-24.008 χ^2/NDF: 53.3/44

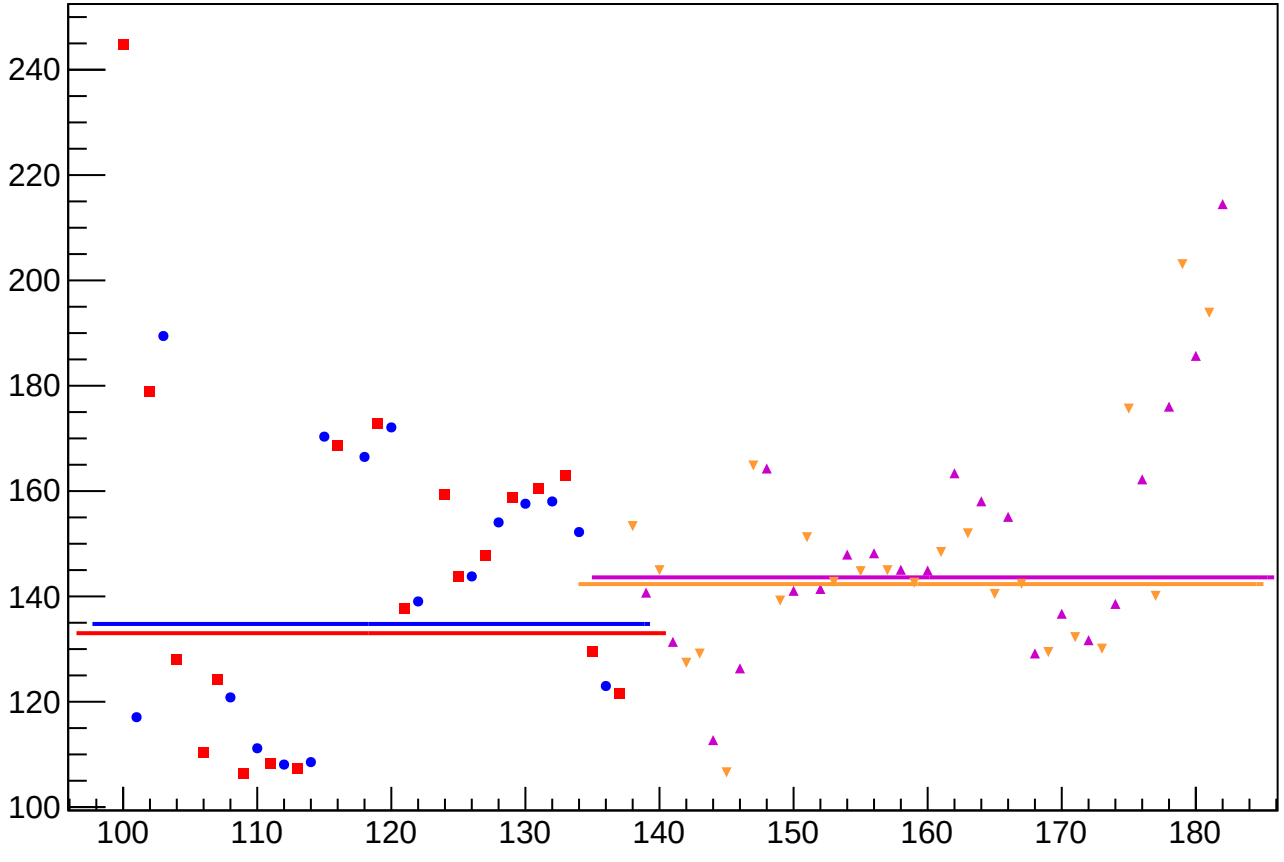
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: 6.853+/-28.455 χ^2/NDF:47.2/37

Out: 81.936+/-27.904 χ^2/NDF:45.7/41

All: 45.127+/-19.923 χ^2/NDF: 96.4/79

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 142.336+/-0.024 χ^2/NDF:627124.1/22

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 143.616+/-0.024 χ^2/NDF:627384.1/21

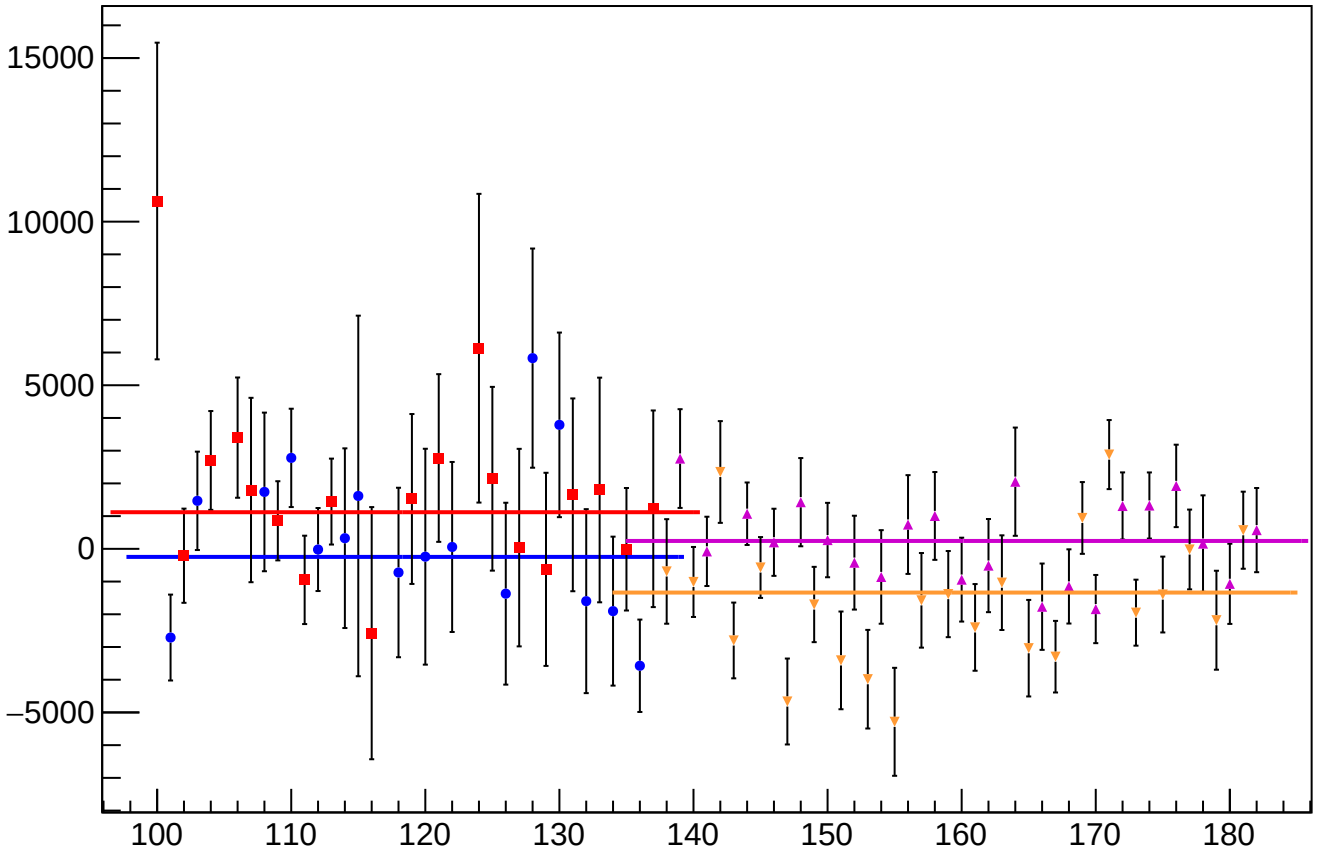
Left: 142.965+/-0.017 χ^2/NDF: 1255931.1/44

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 140.874+/-0.020 χ^2/NDF:1085504.0/37

Out: 139.423+/-0.020 χ^2/NDF:1170742.7/41

All: 140.135+/-0.014 χ^2/NDF: 2258896.8/79



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1336.333+/-259.431 χ^2/NDF:55.4/22

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 241.039+/-260.813 χ^2/NDF:21.0/21

Left: -551.838+/-183.932 χ^2/NDF: 94.8/44

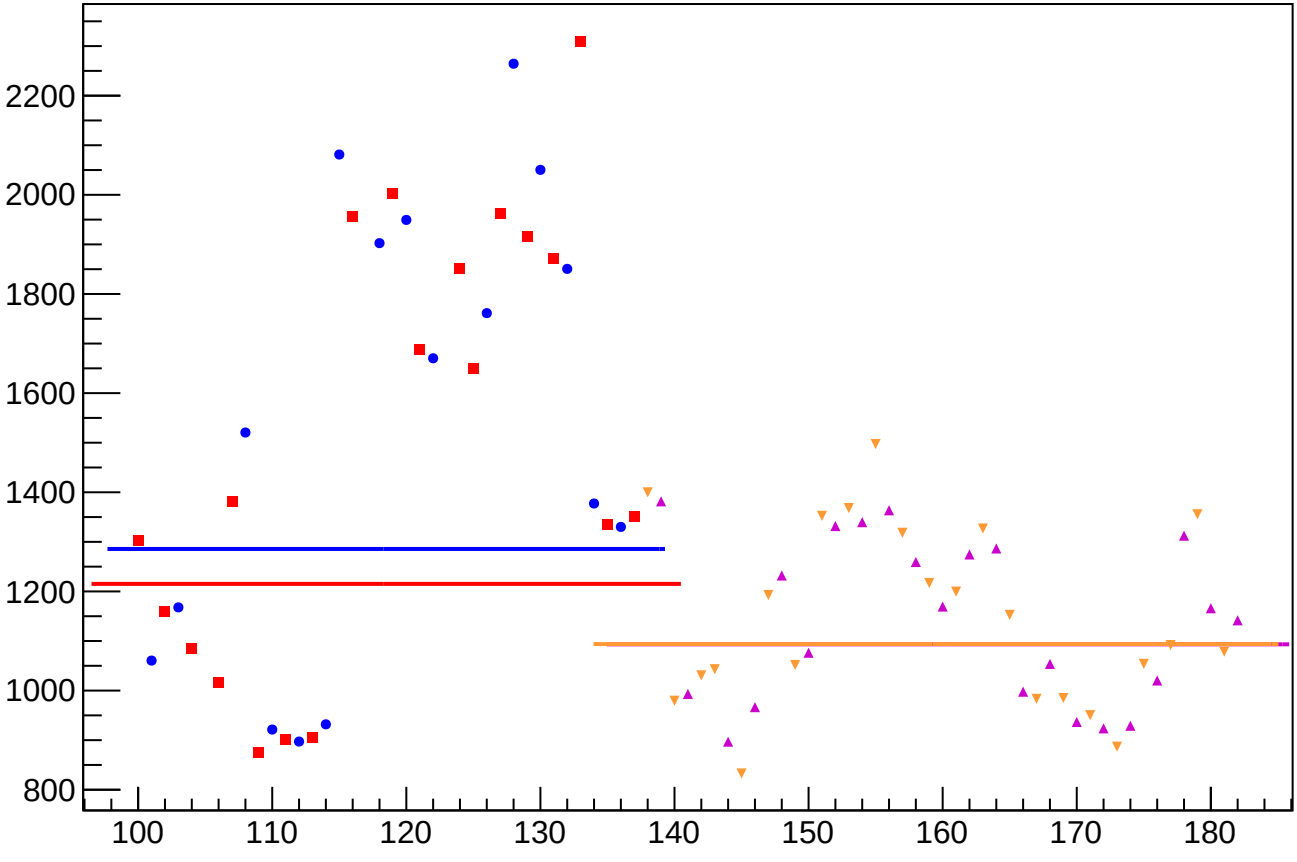
Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 137.249+/-231.383 χ^2/NDF:43.4/37

Out: -759.837+/-226.946 χ^2/NDF:89.9/41

All: -319.978+/-162.021 χ^2/NDF: 140.9/79

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: 1093.776+/-0.183 χ^2/NDF:878677.0/22

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1093.311+/-0.184 χ^2/NDF:730202.0/21

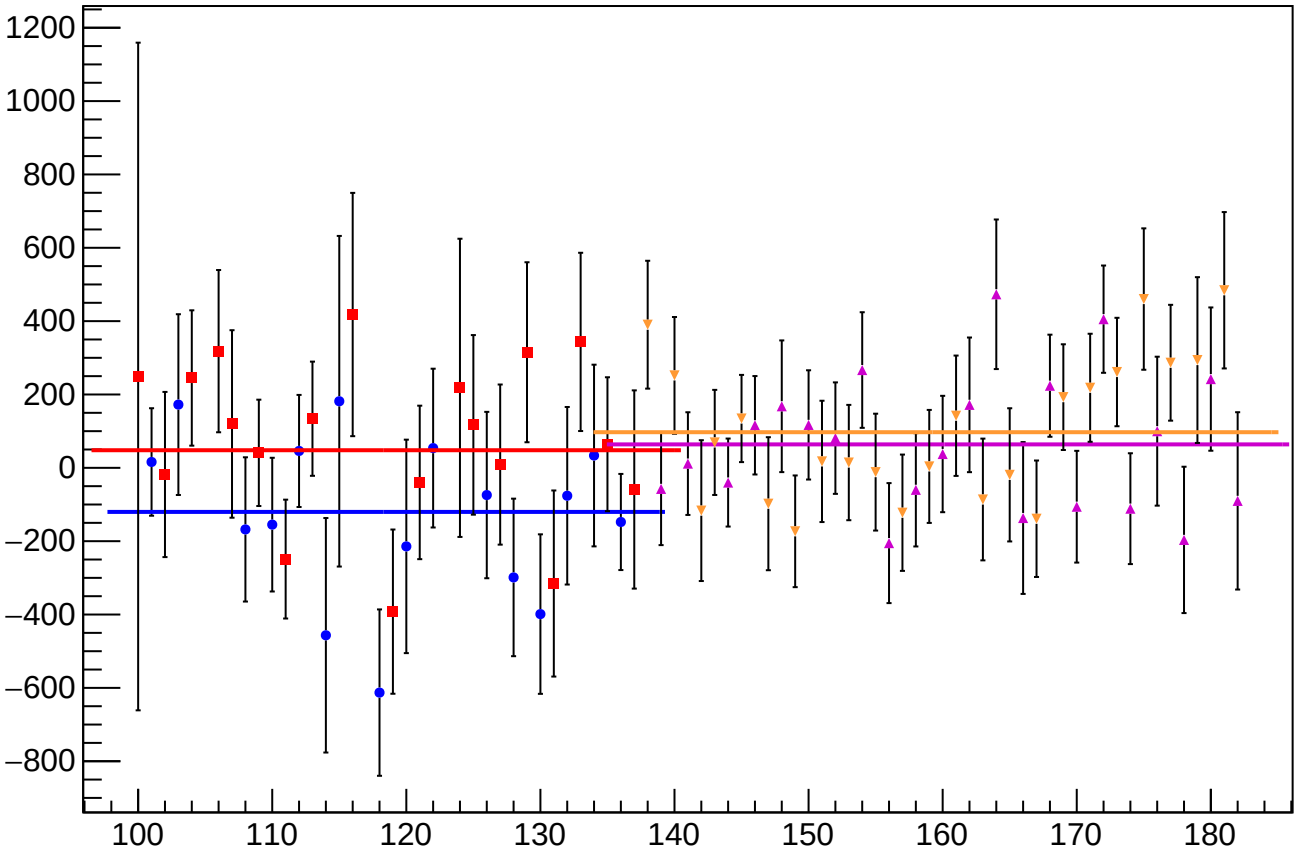
Left: 1093.544+/-0.130 χ^2/NDF: 1608882.2/44

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1134.273+/-0.164 χ^2/NDF:2132303.7/37

Out: 1122.289+/-0.160 χ^2/NDF:2367881.6/41

All: 1128.165+/-0.115 χ^2/NDF: 4502919.5/79



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 97.172+/-33.656 χ^2/NDF:28.0/22

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 63.927+/-34.256 χ^2/NDF:24.8/21

Left: 80.844+/-24.008 χ^2/NDF: 53.3/44

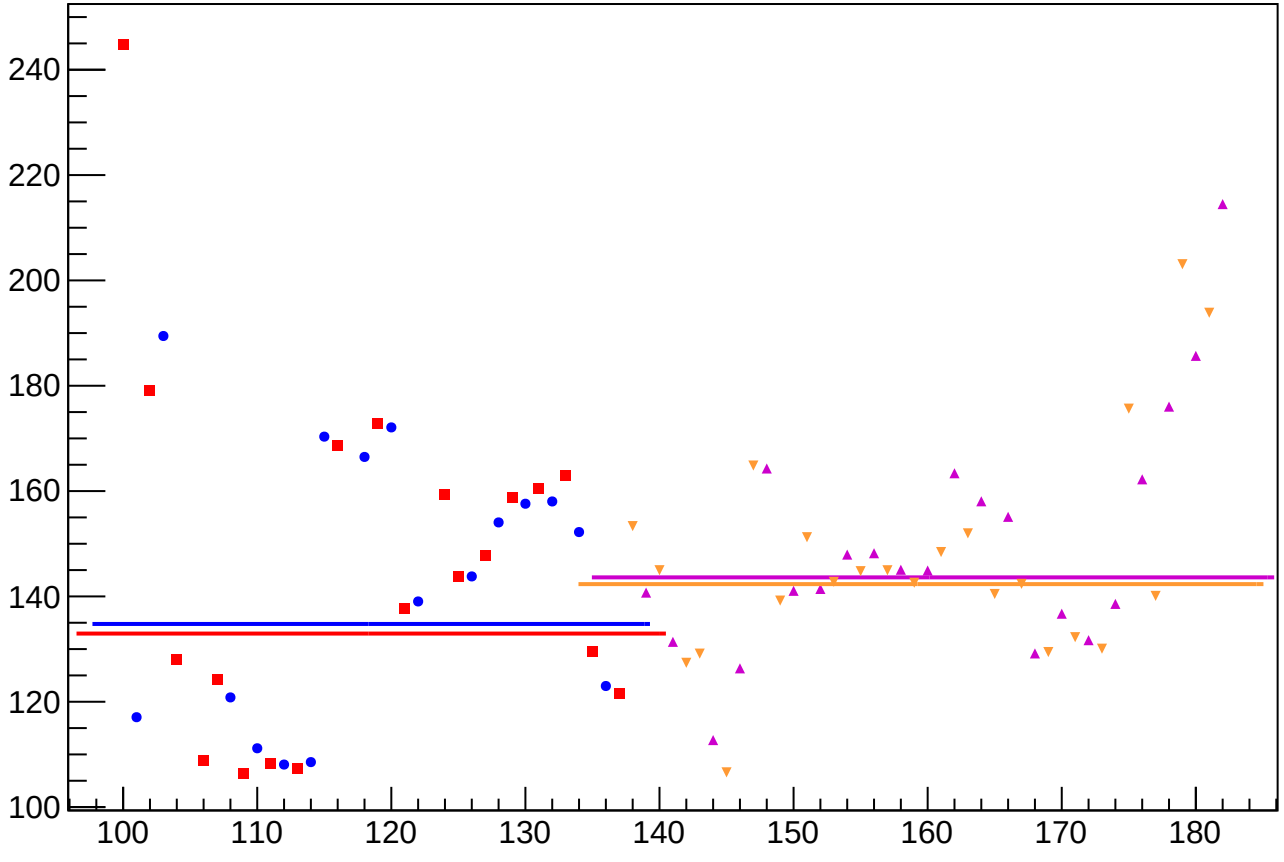
Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 6.852+/-28.455 χ^2/NDF:47.2/37

Out: 81.809+/-27.906 χ^2/NDF:45.6/41

All: 45.060+/-19.924 χ^2/NDF: 96.4/79

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 142.336+/-0.024 χ^2/NDF:627124.2/22

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 143.616+/-0.024 χ^2/NDF:627384.2/21

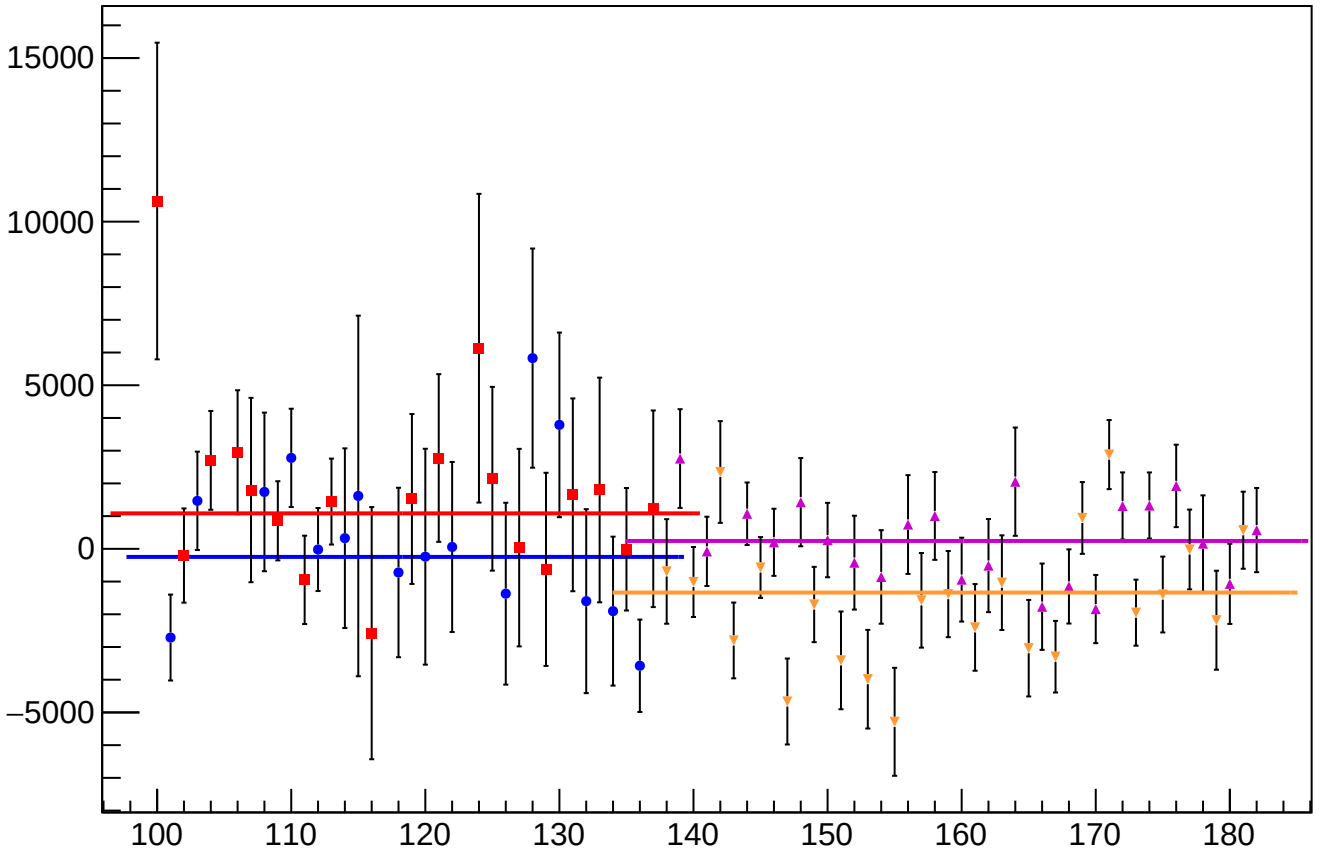
Left: 142.965+/-0.017 χ^2/NDF: 1255931.2/44

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 140.874+/-0.020 χ^2/NDF:1085506.9/37

Out: 139.402+/-0.020 χ^2/NDF:1174611.3/41

All: 140.123+/-0.014 χ^2/NDF: 2262848.7/79



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1336.324+/-259.431 χ^2/NDF:55.4/22

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 241.043+/-260.813 χ^2/NDF:21.0/21

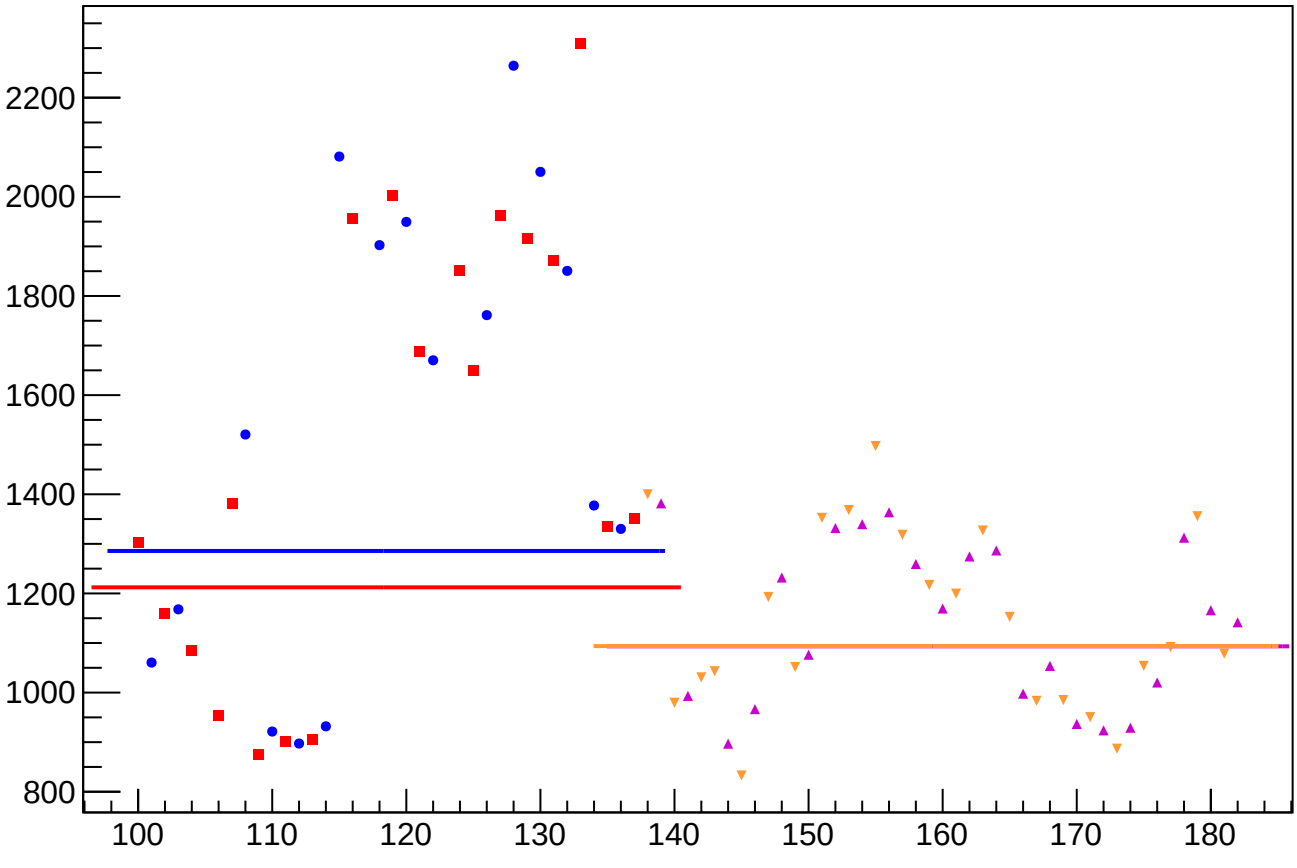
Left: -551.832+/-183.932 χ^2/NDF: 94.8/44

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 137.239+/-231.384 χ^2/NDF:43.4/37

Out: -769.835+/-227.051 χ^2/NDF:88.6/41

All: -324.870+/-162.059 χ^2/NDF: 139.8/79



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1093.775+/-0.183 χ^2/NDF:878677.6/22

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1093.311+/-0.184 χ^2/NDF:730202.6/21

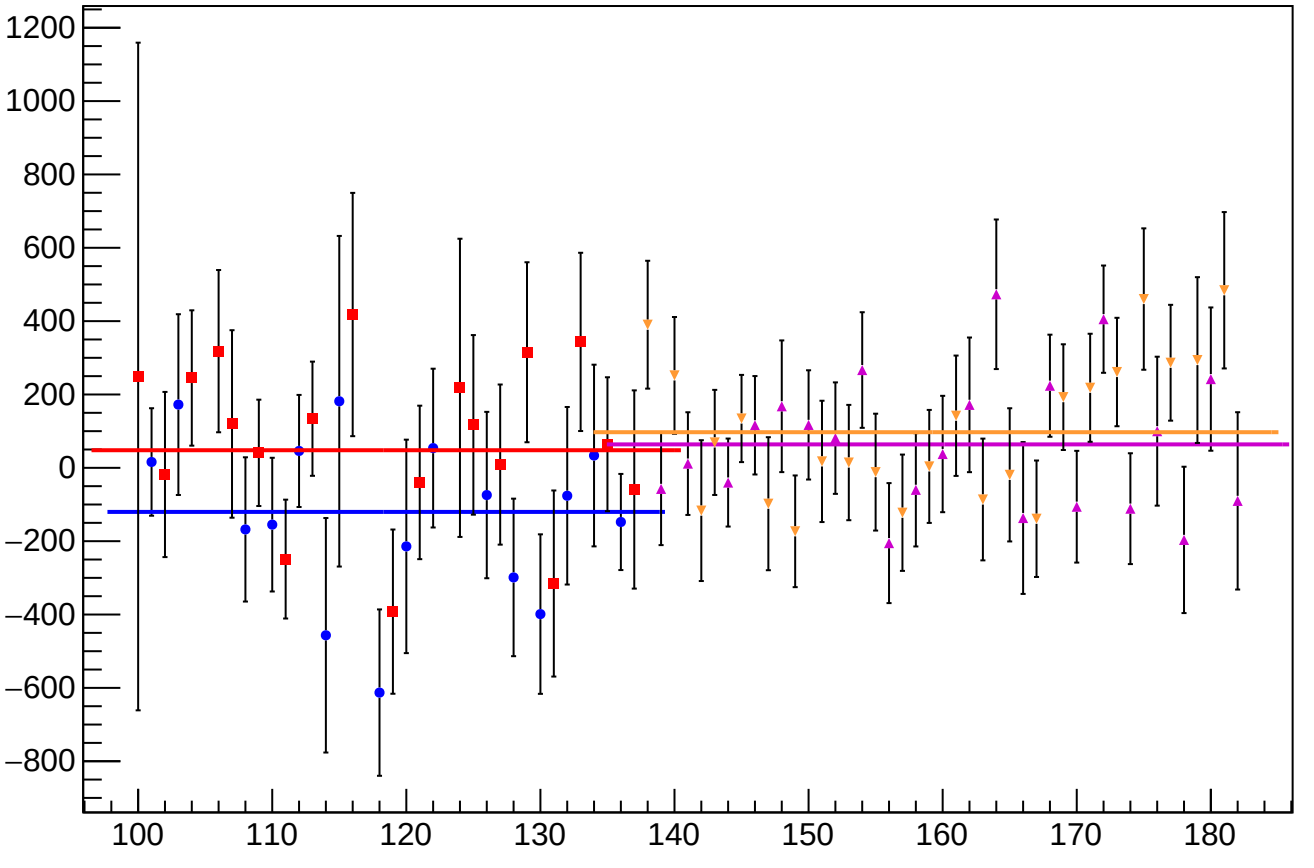
Left: 1093.544+/-0.130 χ^2/NDF: 1608883.3/44

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1134.275+/-0.164 χ^2/NDF:2132308.0/37

Out: 1121.510+/-0.161 χ^2/NDF:2376975.1/41

All: 1127.772+/-0.115 χ^2/NDF: 4512384.3/79



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 97.172+/-33.656 χ^2/NDF:28.0/22

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 63.927+/-34.256 χ^2/NDF:24.8/21

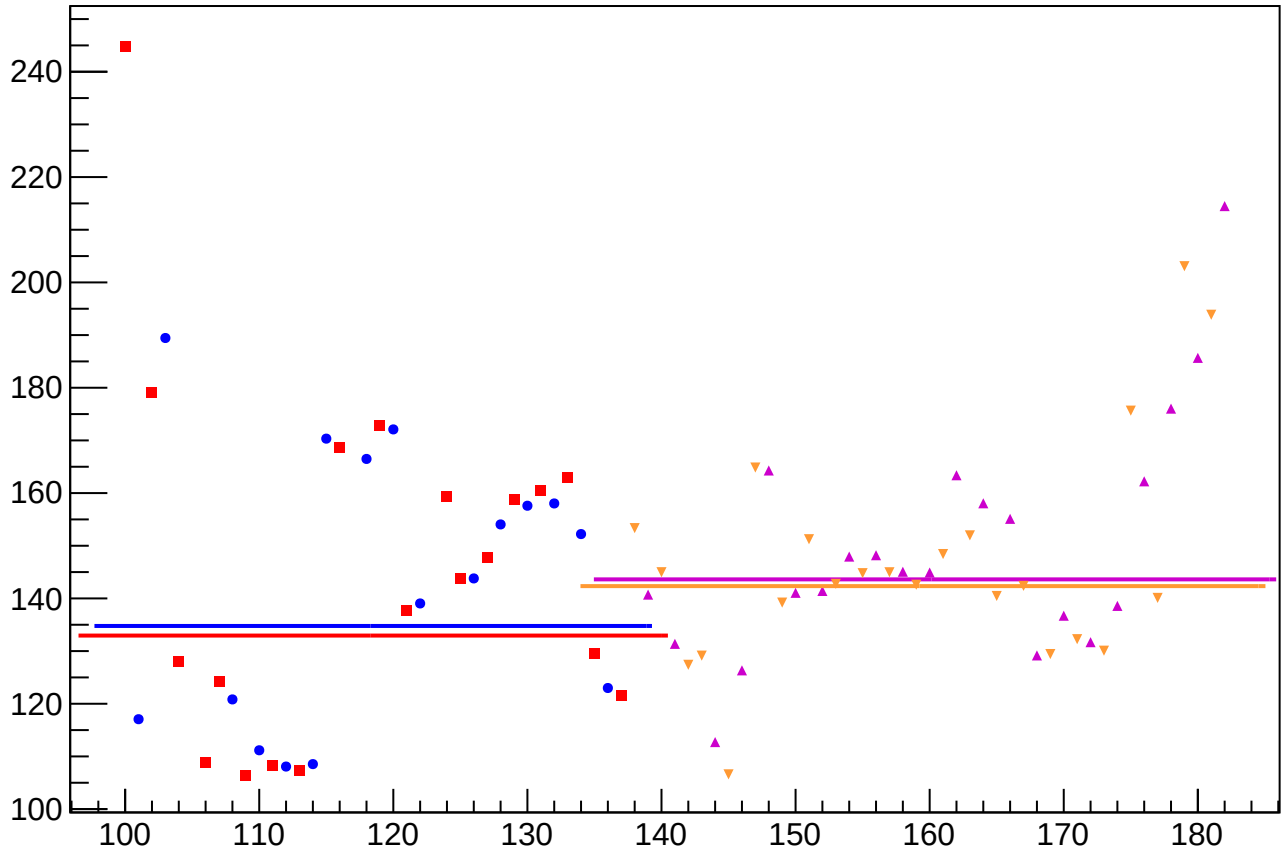
Left: 80.844+/-24.008 χ^2/NDF: 53.3/44

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 6.852+/-28.455 χ^2/NDF:47.2/37

Out: 81.809+/-27.906 χ^2/NDF:45.6/41

All: 45.060+/-19.924 χ^2/NDF: 96.4/79



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 142.336+/-0.024 χ^2/NDF:627124.2/22

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 143.616+/-0.024 χ^2/NDF:627384.2/21

Left: 142.965+/-0.017 χ^2/NDF: 1255931.2/44

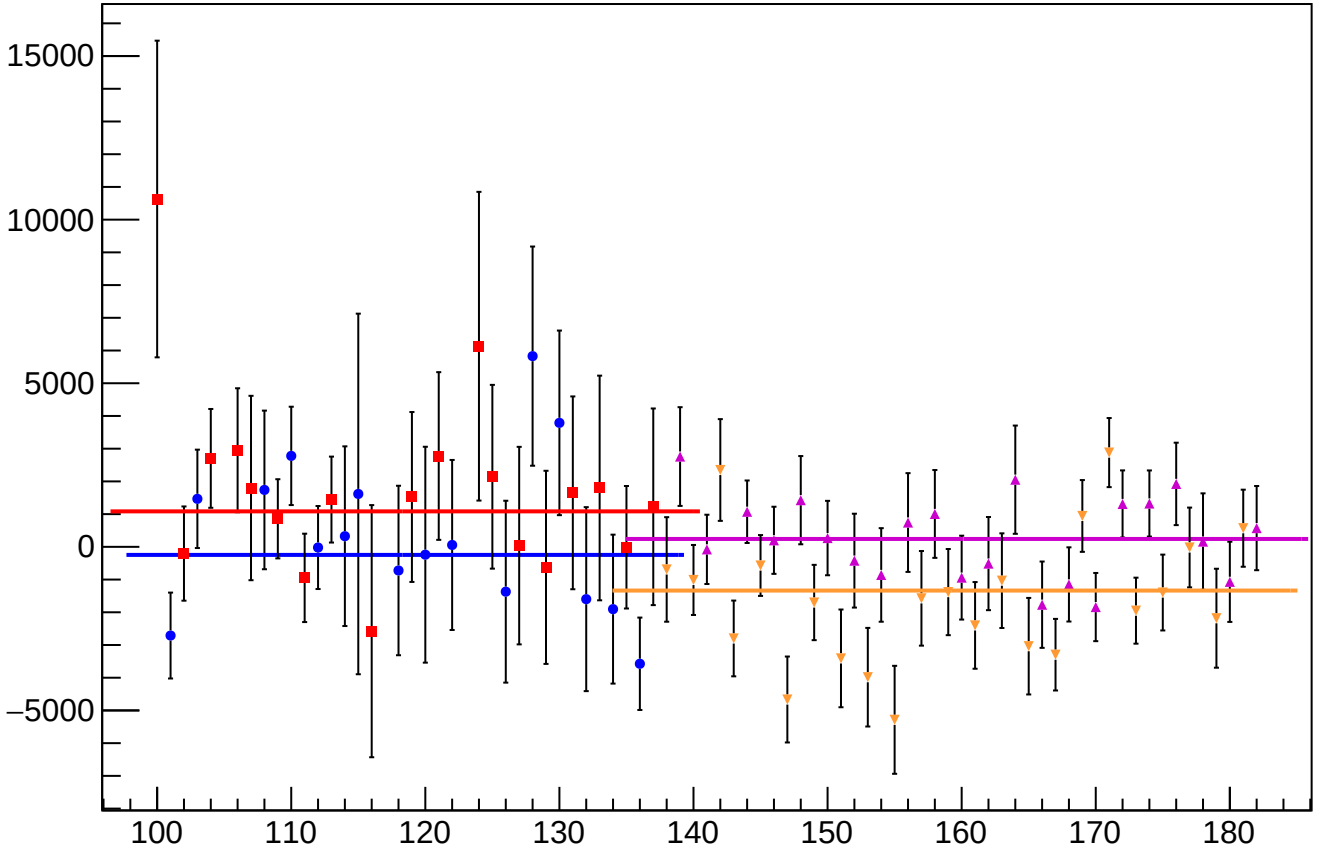
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 140.874+/-0.020 χ^2/NDF:1085506.9/37

Out: 139.402+/-0.020 χ^2/NDF:1174611.3/41

All: 140.123+/-0.014 χ^2/NDF: 2262848.7/79

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: -1336.324+/-259.431 χ^2/NDF:55.4/22

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 241.043+/-260.813 χ^2/NDF:21.0/21

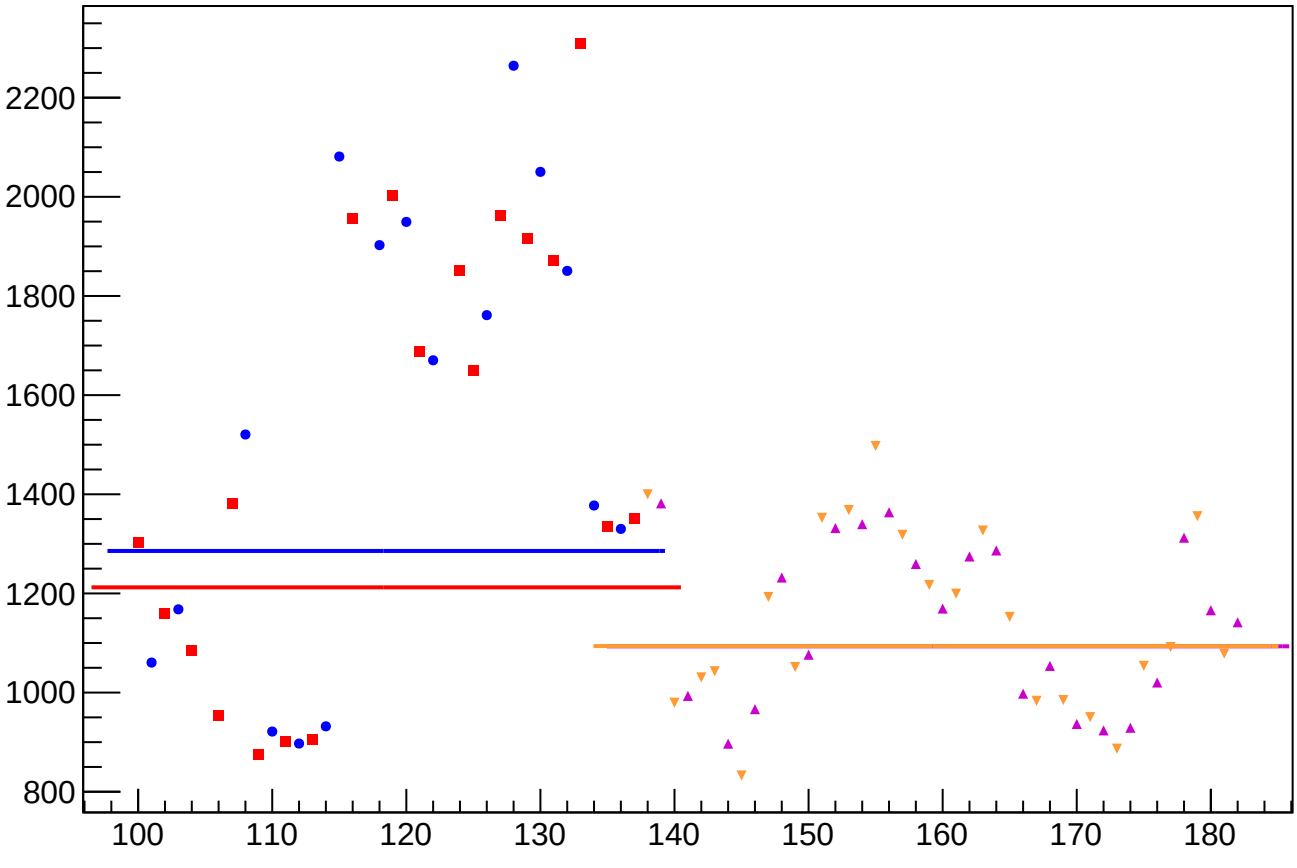
Left: -551.832+/-183.932 χ^2/NDF: 94.8/44

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 137.239+/-231.384 χ^2/NDF:43.4/37

Out: -769.835+/-227.051 χ^2/NDF:88.6/41

All: -324.870+/-162.059 χ^2/NDF: 139.8/79



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1093.775+/-0.183 χ^2/NDF:878677.6/22

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1093.311+/-0.184 χ^2/NDF:730202.6/21

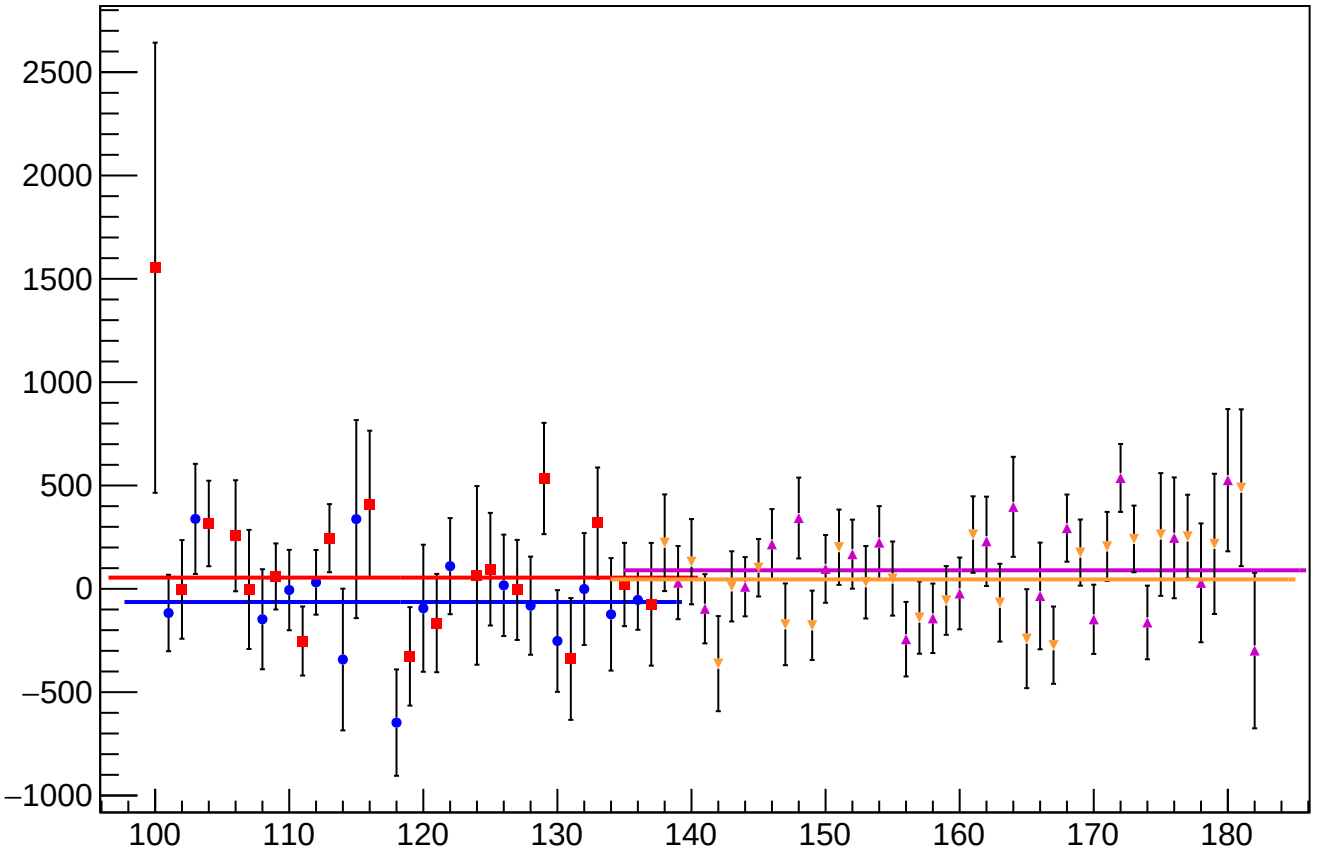
Left: 1093.544+/-0.130 χ^2/NDF: 1608883.3/44

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1134.275+/-0.164 χ^2/NDF:2132308.0/37

Out: 1121.510+/-0.161 χ^2/NDF:2376975.1/41

All: 1127.772+/-0.115 χ^2/NDF: 4512384.3/79



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 45.699+/-39.558 χ^2/NDF:21.6/22

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 89.699+/-40.286 χ^2/NDF:28.7/21

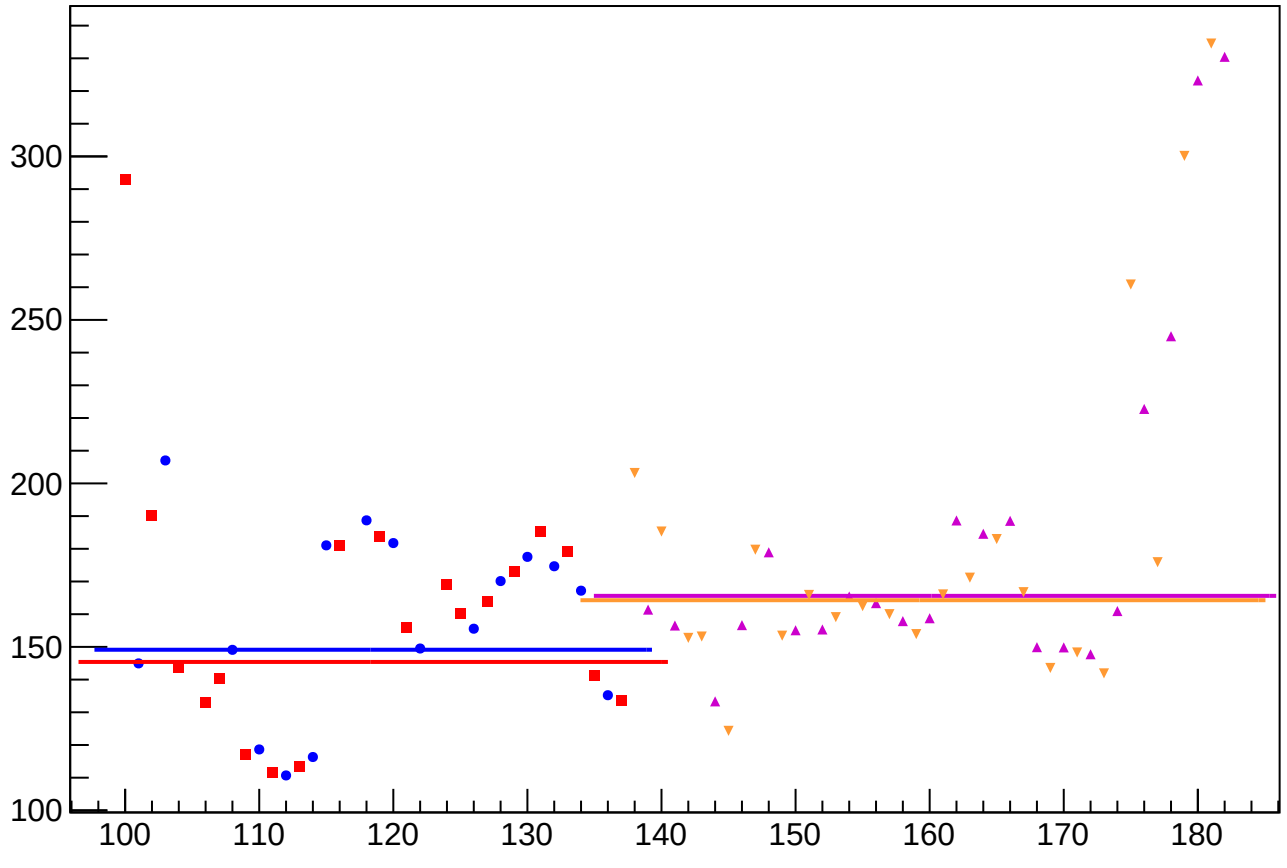
Left: 67.298+/-28.225 χ^2/NDF: 50.9/44

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: 38.252+/-32.847 χ^2/NDF:44.3/37

Out: 48.651+/-32.063 χ^2/NDF:41.1/41

All: 43.577+/-22.944 χ^2/NDF: 85.5/79



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 164.277+/-0.028 χ^2/NDF:1333561.1/22

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 165.608+/-0.028 χ^2/NDF:1291104.0/21

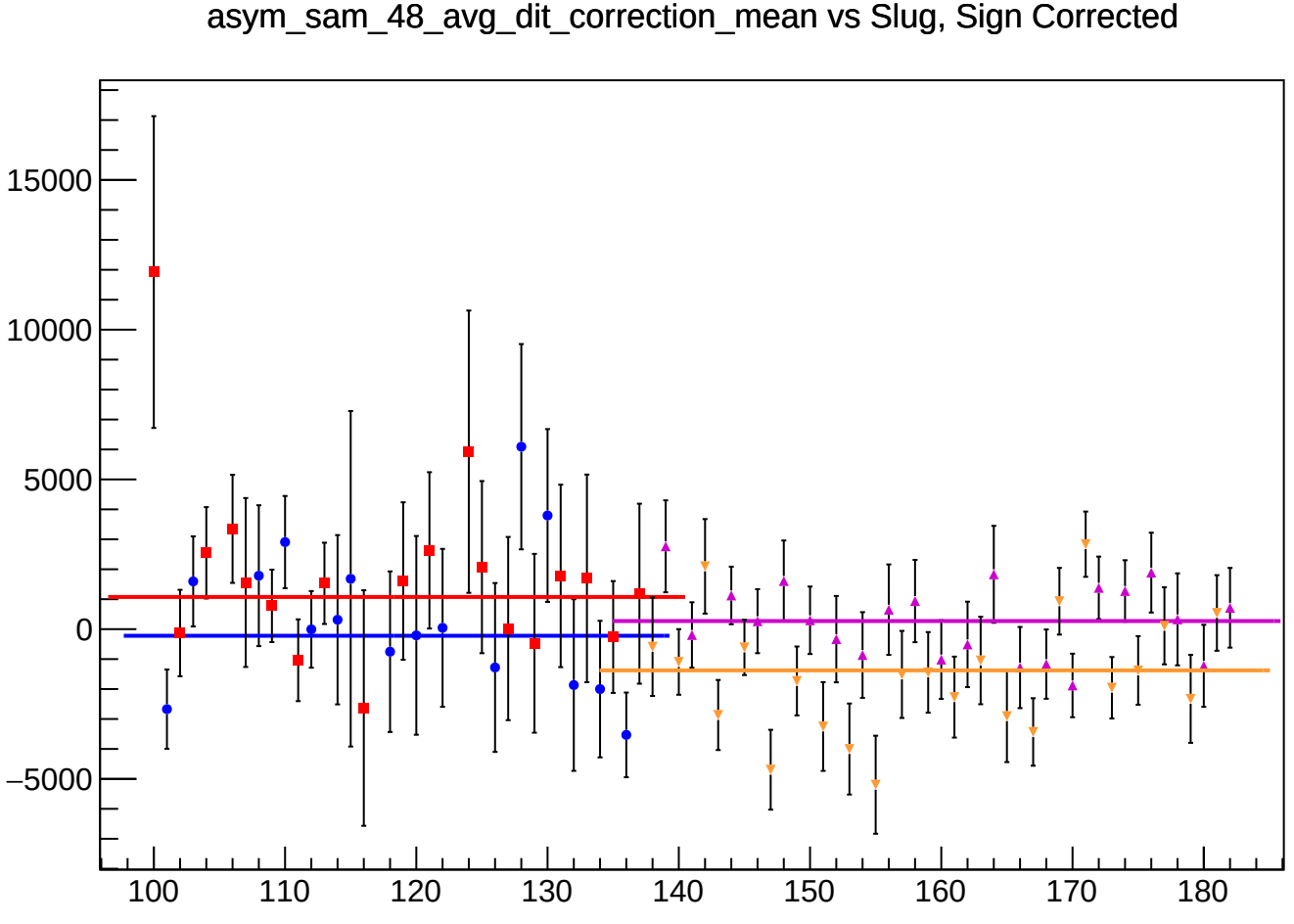
Left: 164.930+/-0.020 χ^2/NDF: 2625777.9/44

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 160.085+/-0.023 χ^2/NDF:1854271.5/37

Out: 157.801+/-0.023 χ^2/NDF:2015624.9/41

All: 158.915+/-0.016 χ^2/NDF: 3874848.5/79



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1376.778+/-263.533 χ^2/NDF:52.2/22

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 270.998+/-266.532 χ^2/NDF:19.7/21

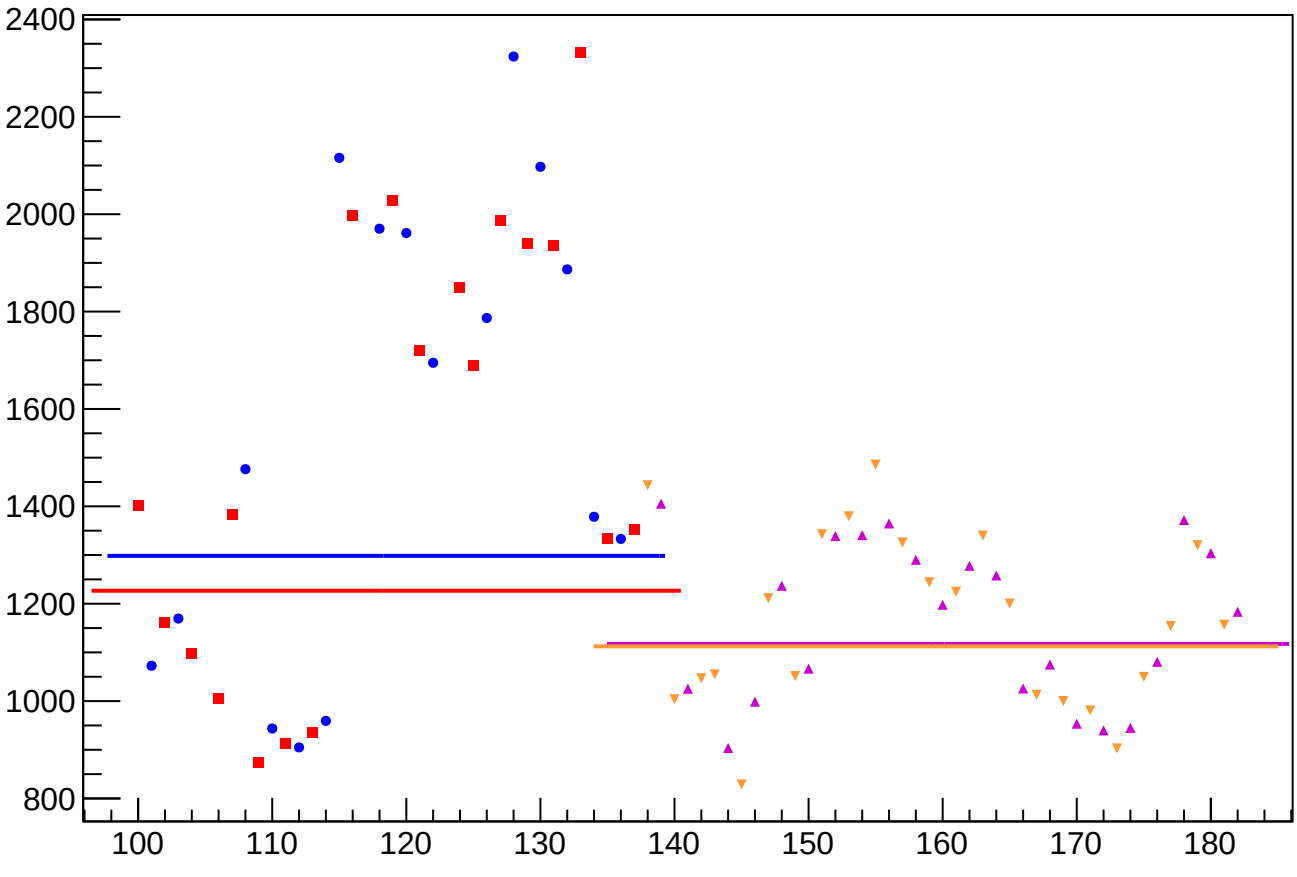
Left: -562.210+/-187.397 χ^2/NDF: 91.3/44

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 164.153+/-235.838 χ^2/NDF:42.3/37

Out: -795.777+/-230.192 χ^2/NDF:86.4/41

All: -327.439+/-164.730 χ^2/NDF: 137.2/79



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1112.501+/-0.186 χ^2/NDF:859075.2/22

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1117.485+/-0.188 χ^2/NDF:729176.7/21

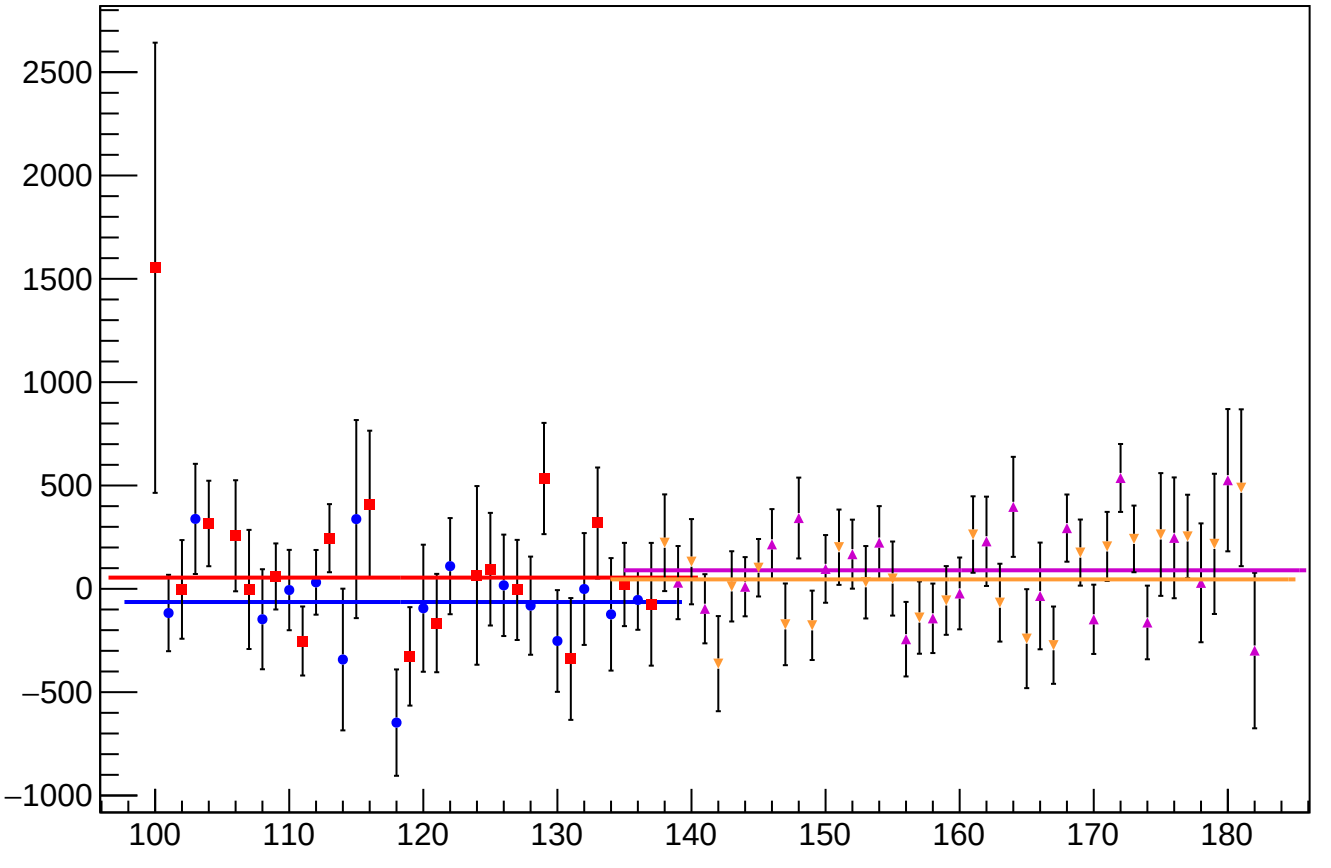
Left: 1114.965+/-0.133 χ^2/NDF: 1588605.4/44

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1156.731+/-0.167 χ^2/NDF:2111077.2/37

Out: 1139.576+/-0.163 χ^2/NDF:2352658.9/41

All: 1147.946+/-0.116 χ^2/NDF: 4469155.5/79



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 45.701+/-39.558 χ^2/NDF:21.6/22

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 89.699+/-40.286 χ^2/NDF:28.7/21

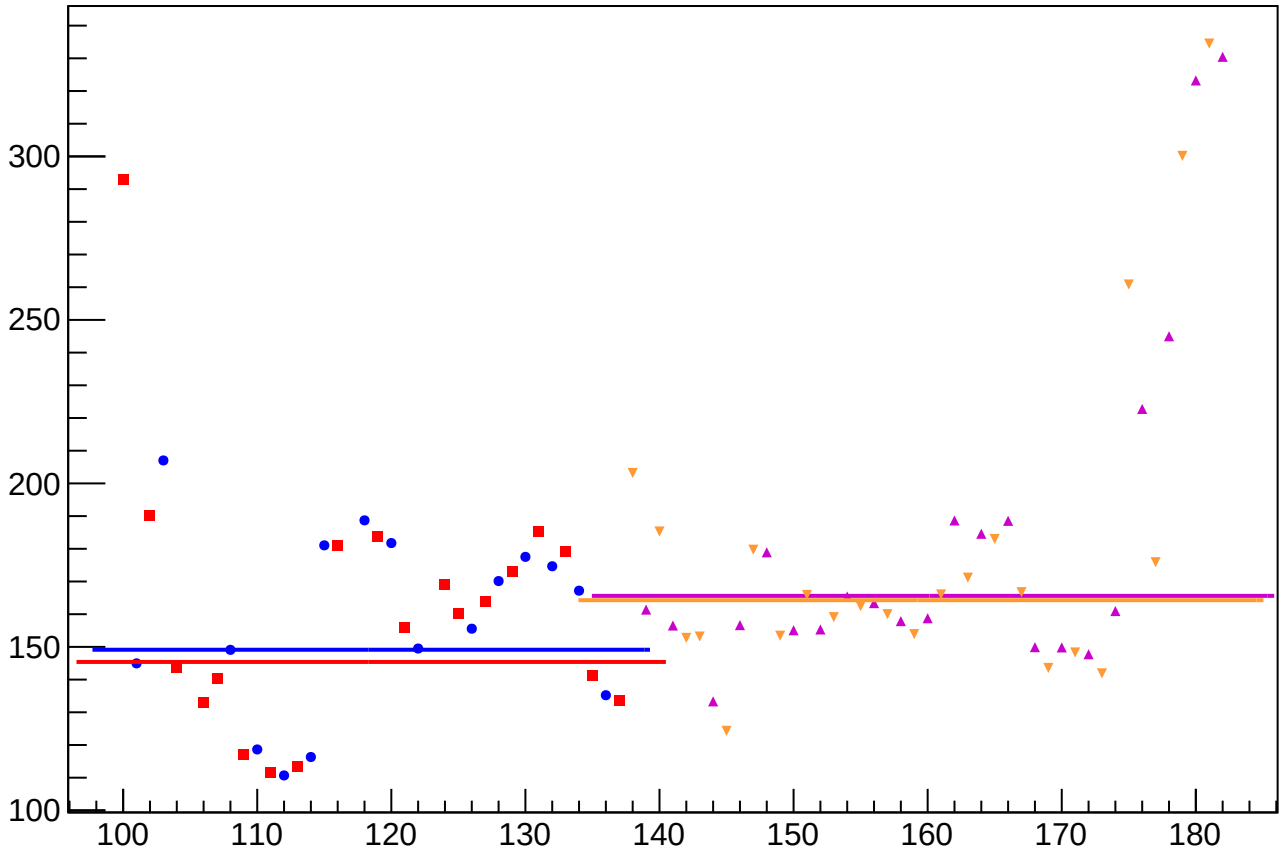
Left: 67.299+/-28.225 χ^2/NDF: 50.9/44

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 38.253+/-32.847 χ^2/NDF:44.3/37

Out: 48.653+/-32.063 χ^2/NDF:41.1/41

All: 43.578+/-22.944 χ^2/NDF: 85.5/79



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 164.277+/-0.028 χ^2/NDF:1333556.9/22

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 165.609+/-0.028 χ^2/NDF:1291083.1/21

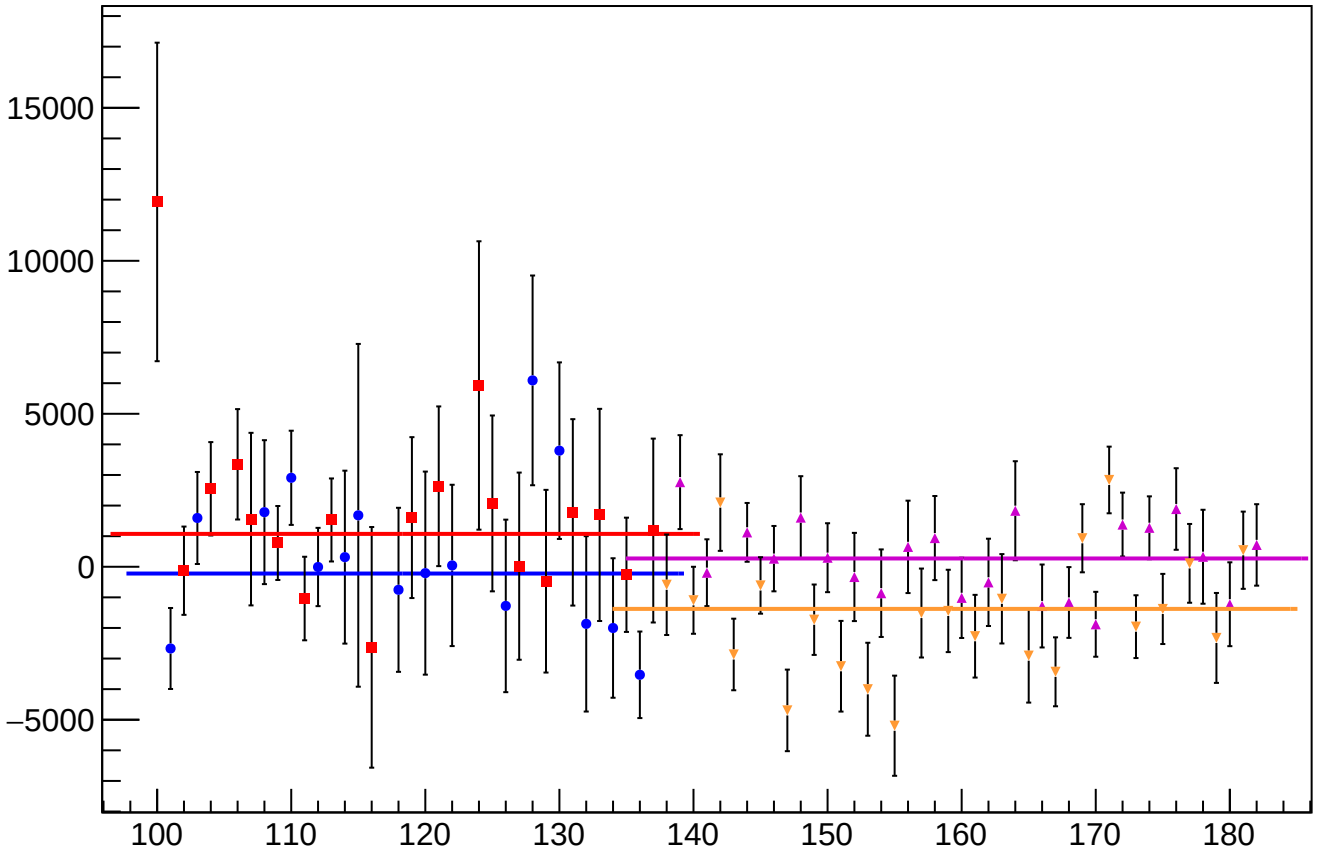
Left: 164.931+/-0.020 χ^2/NDF: 2625752.7/44

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 160.085+/-0.023 χ^2/NDF:1854255.4/37

Out: 157.801+/-0.023 χ^2/NDF:2015628.0/41

All: 158.915+/-0.016 χ^2/NDF: 3874835.5/79



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1376.775+/-263.533 χ^2/NDF:52.2/22

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 270.997+/-266.531 χ^2/NDF:19.7/21

Left: -562.209+/-187.397 χ^2/NDF: 91.3/44

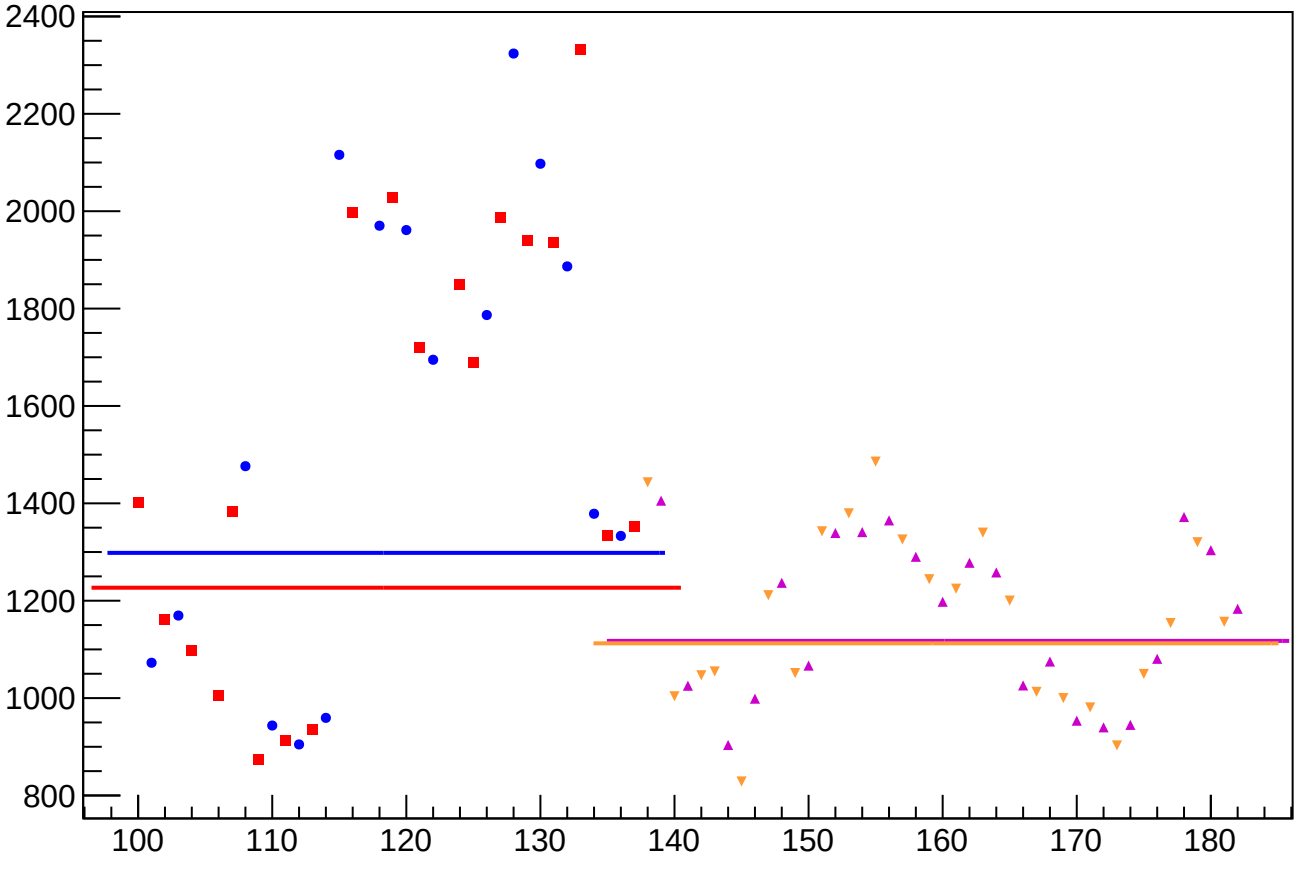
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 164.152+/-235.837 χ^2/NDF:42.3/37

Out: -795.775+/-230.192 χ^2/NDF:86.4/41

All: -327.438+/-164.730 χ^2/NDF: 137.2/79

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: 1112.499+/-0.186 χ^2/NDF:859077.0/22

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1117.483+/-0.188 χ^2/NDF:729175.6/21

Left: 1114.963+/-0.133 χ^2/NDF: 1588606.1/44

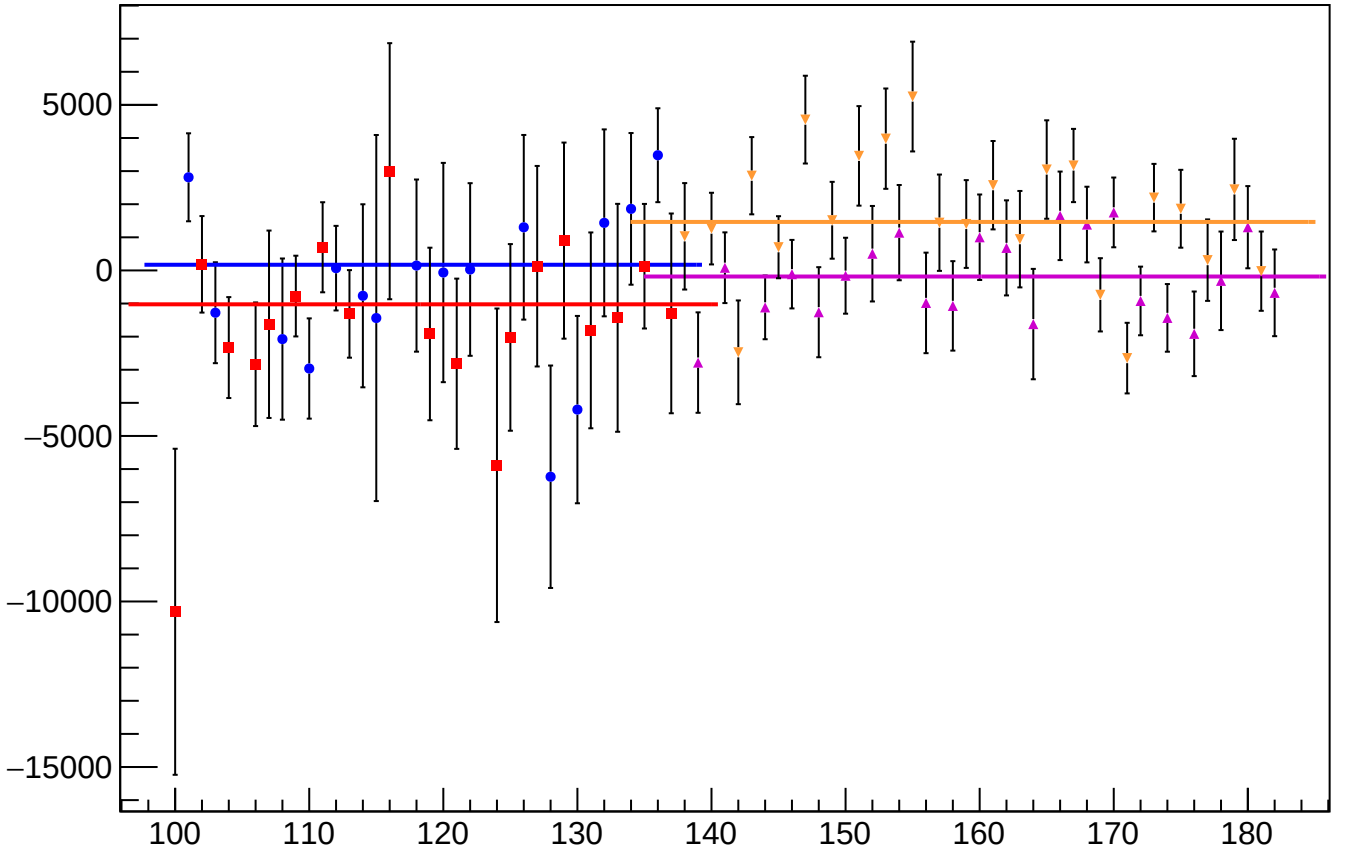
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1156.729+/-0.167 χ^2/NDF:2111081.8/37

Out: 1139.574+/-0.163 χ^2/NDF:2352664.9/41

All: 1147.944+/-0.116 χ^2/NDF: 4469166.1/79

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1464.763+/-261.844 χ^2/NDF:50.3/22

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -183.815+/-263.293 χ^2/NDF:20.9/21

Left: 645.023+/-185.662 χ^2/NDF: 90.9/44

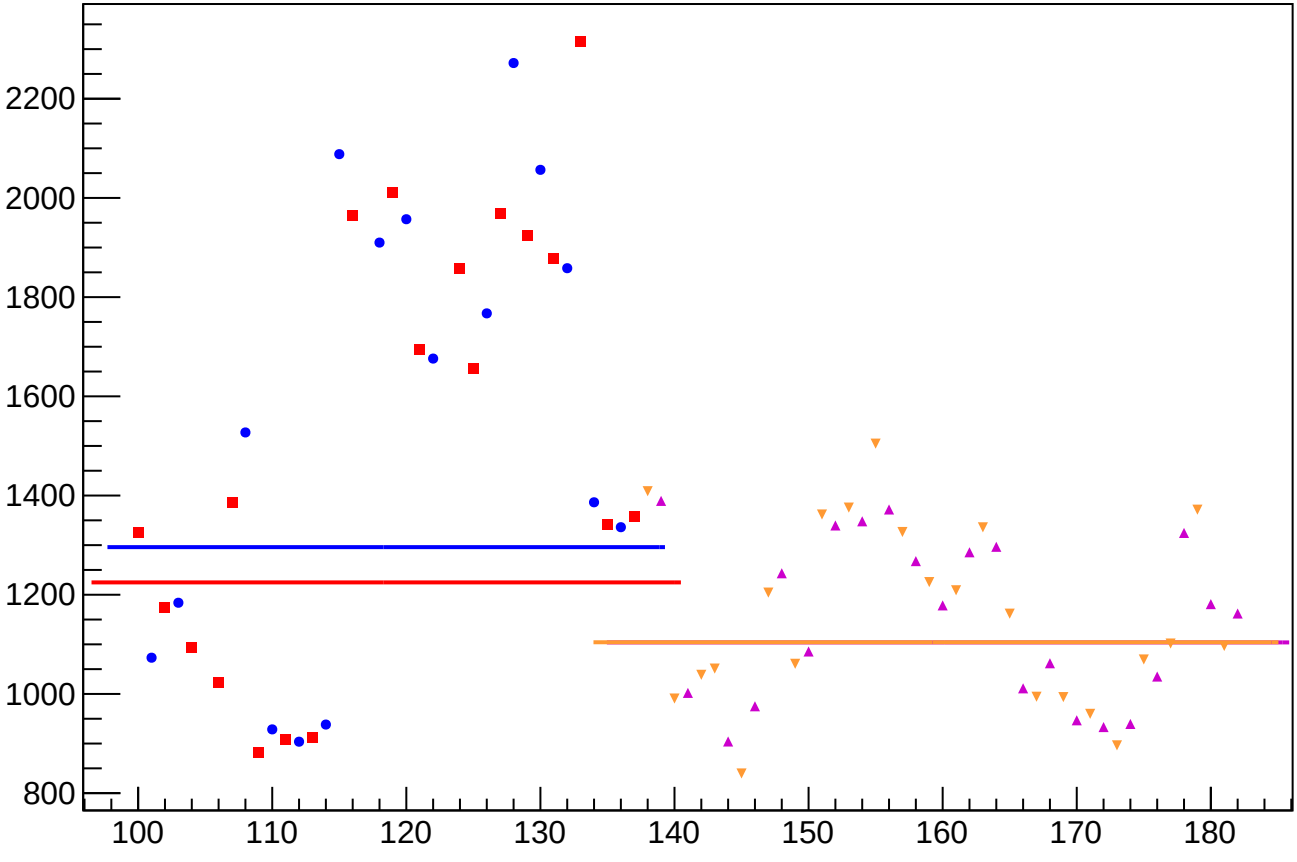
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -108.000+/-233.480 χ^2/NDF:43.8/37

Out: 879.170+/-228.972 χ^2/NDF:83.1/41

All: 395.208+/-163.478 χ^2/NDF: 136.1/79

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1104.199+/-0.185 χ^2/NDF:866328.8/22

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1103.899+/-0.186 χ^2/NDF:719872.4/21

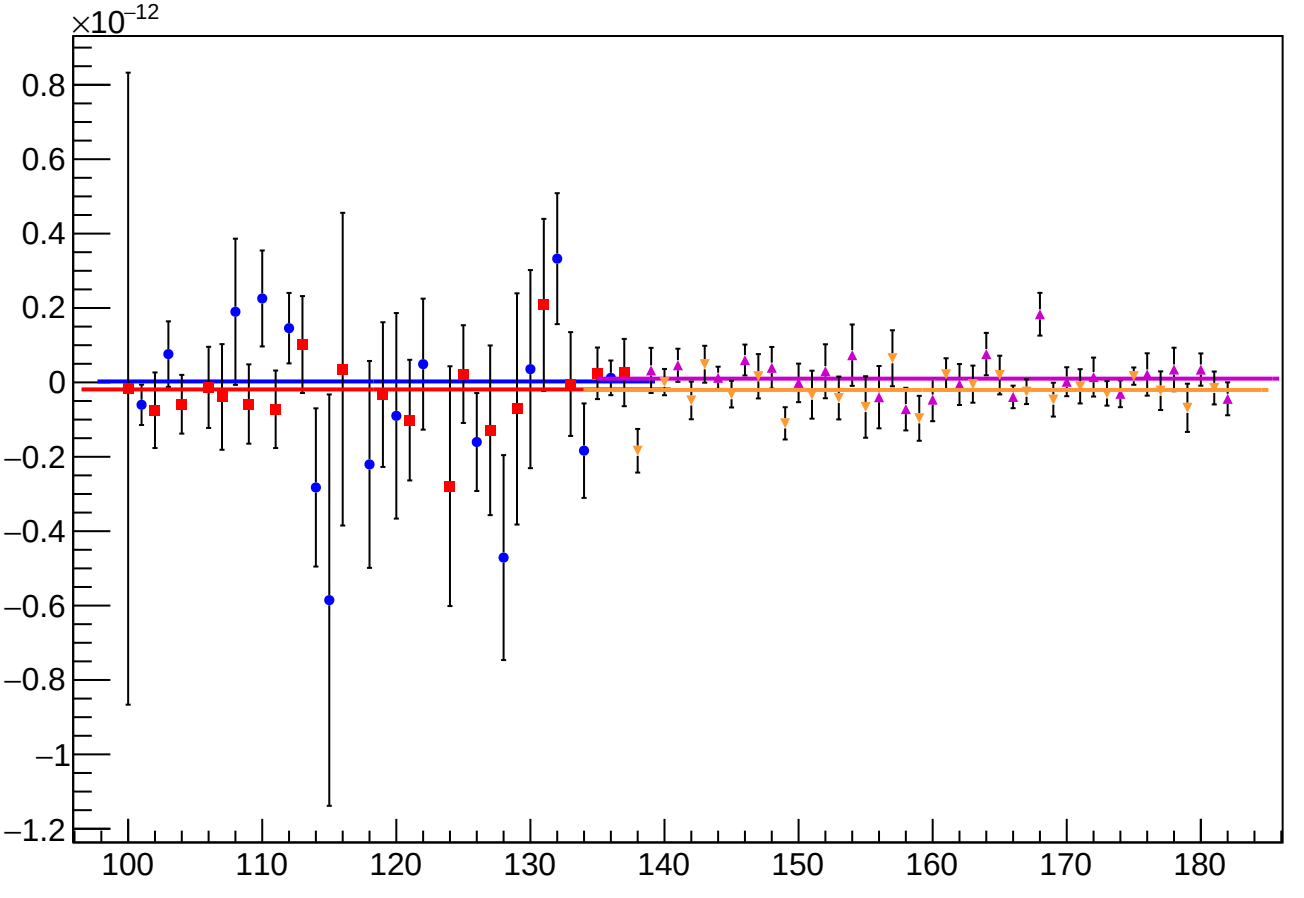
Left: 1104.050+/-0.131 χ^2/NDF: 1586202.5/44

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1144.937+/-0.165 χ^2/NDF:2101480.9/37

Out: 1132.596+/-0.162 χ^2/NDF:2337573.6/41

All: 1138.646+/-0.116 χ^2/NDF: 4441902.6/79



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:23.0/21

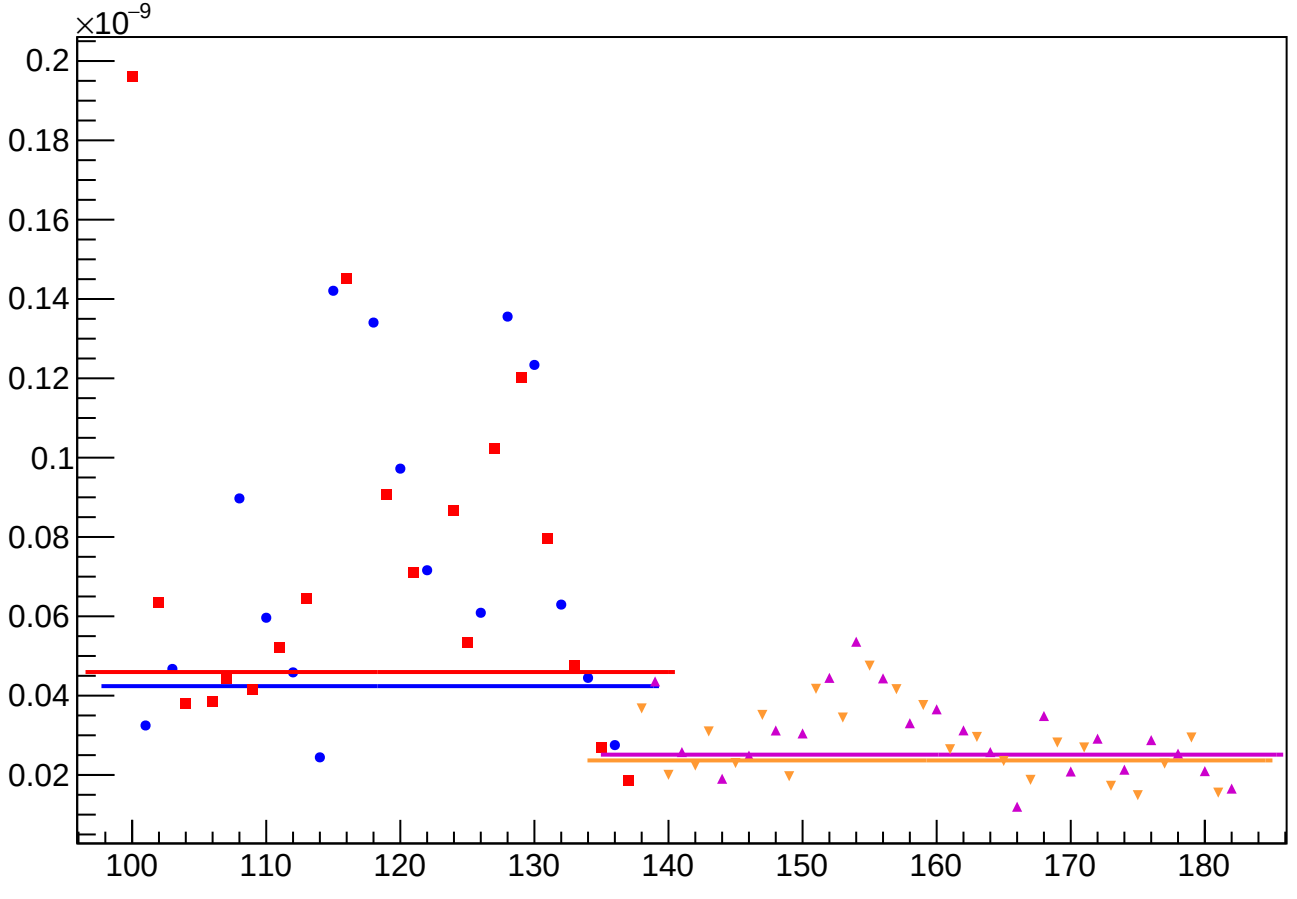
Left: -0.000+/-0.000 χ^2/NDF: 51.6/44

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:45.3/37

Out: -0.000+/-0.000 χ^2/NDF:28.5/41

All: -0.000+/-0.000 χ^2/NDF: 78.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1425786.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1532979.0/21

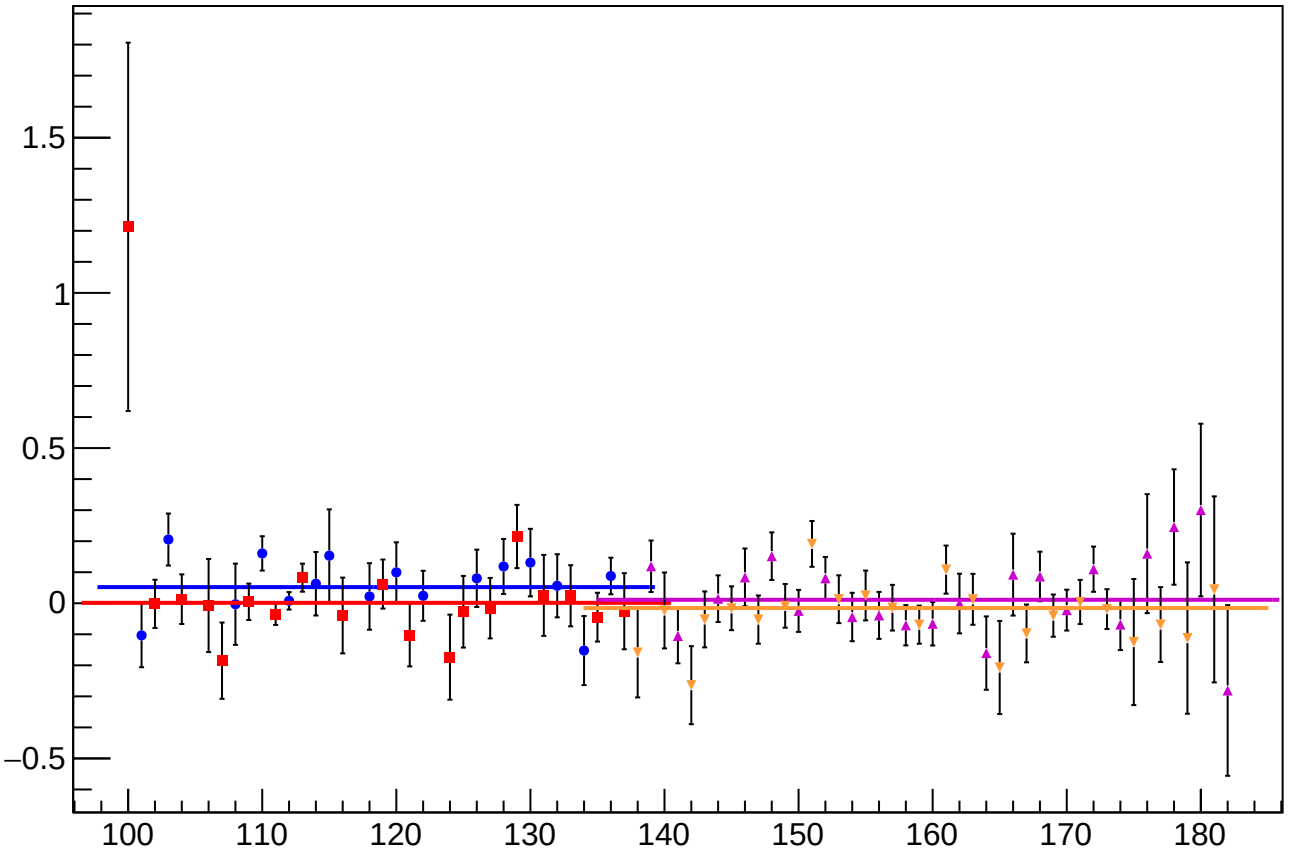
Left: 0.000+/-0.000 χ^2/NDF: 2981230.1/44

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:3599716.8/37

Out: 0.000+/-0.000 χ^2/NDF:3624342.8/41

All: 0.000+/-0.000 χ^2/NDF: 7252306.9/79



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.015+/-0.018 χ^2/NDF:20.3/22

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.011+/-0.018 χ^2/NDF:23.3/21

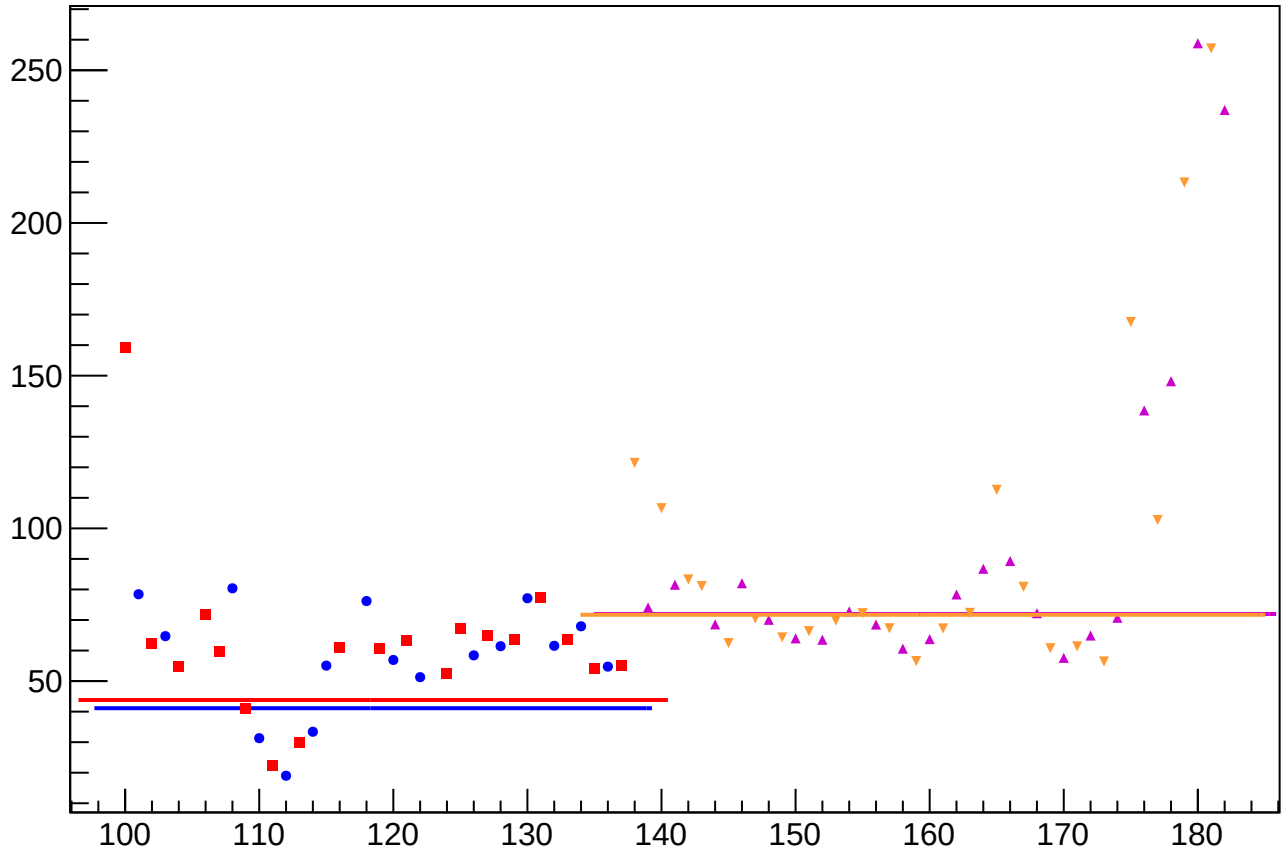
Left: -0.002+/-0.013 χ^2/NDF: 44.6/44

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:43.8/37

Out: -0.007+/-0.013 χ^2/NDF:39.9/41

All: 0.013+/-0.009 χ^2/NDF: 88.5/79



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 71.710+/-0.013 χ^2/NDF:3034707.1/22

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 71.968+/-0.013 χ^2/NDF:2595948.5/21

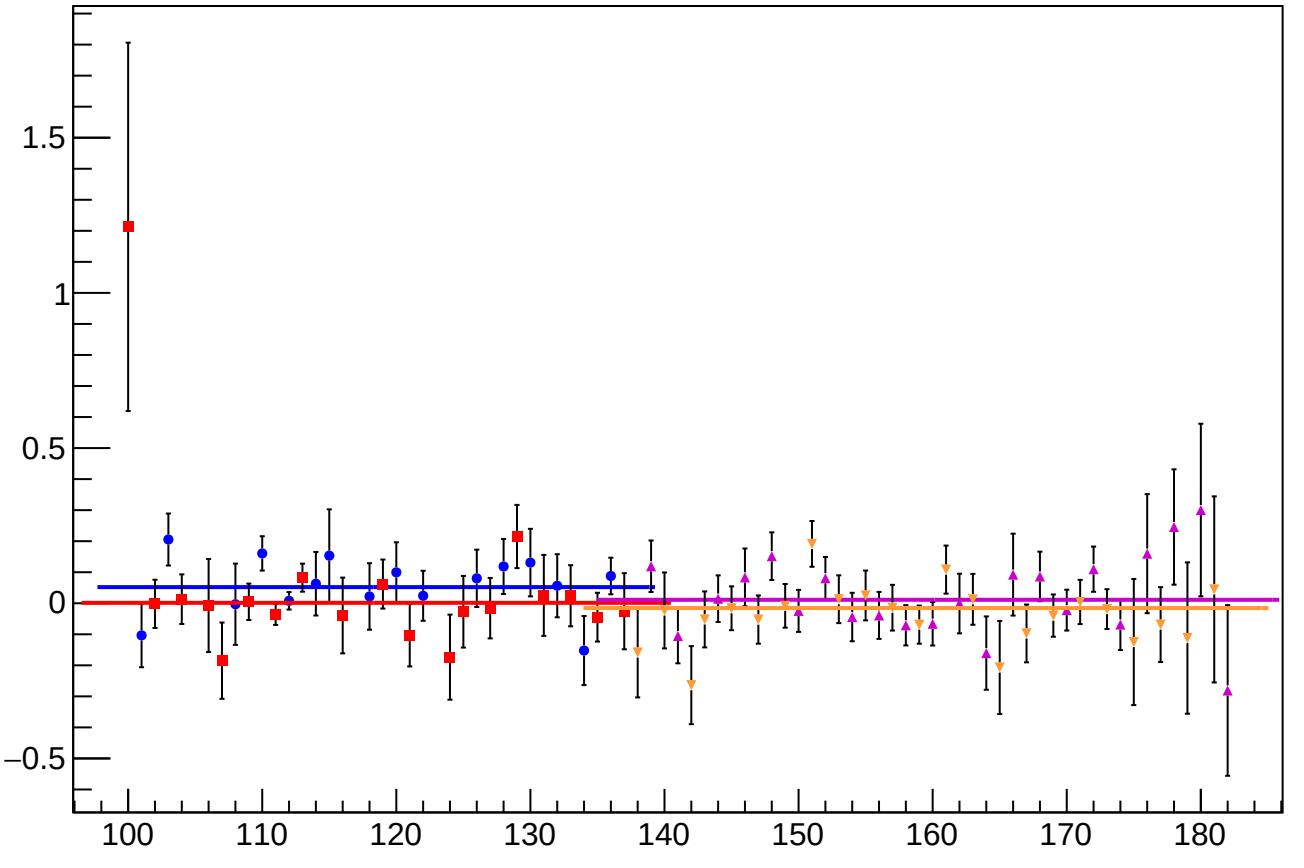
Left: 71.837+/-0.009 χ^2/NDF: 5630857.4/44

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 56.105+/-0.009 χ^2/NDF:8448289.5/37

Out: 57.688+/-0.009 χ^2/NDF:7491690.7/41

All: 56.898+/-0.006 χ^2/NDF: 15955448.0/79



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.015+/-0.018 χ^2/NDF:20.3/22

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.011+/-0.018 χ^2/NDF:23.3/21

Left: -0.002+/-0.013 χ^2/NDF: 44.6/44

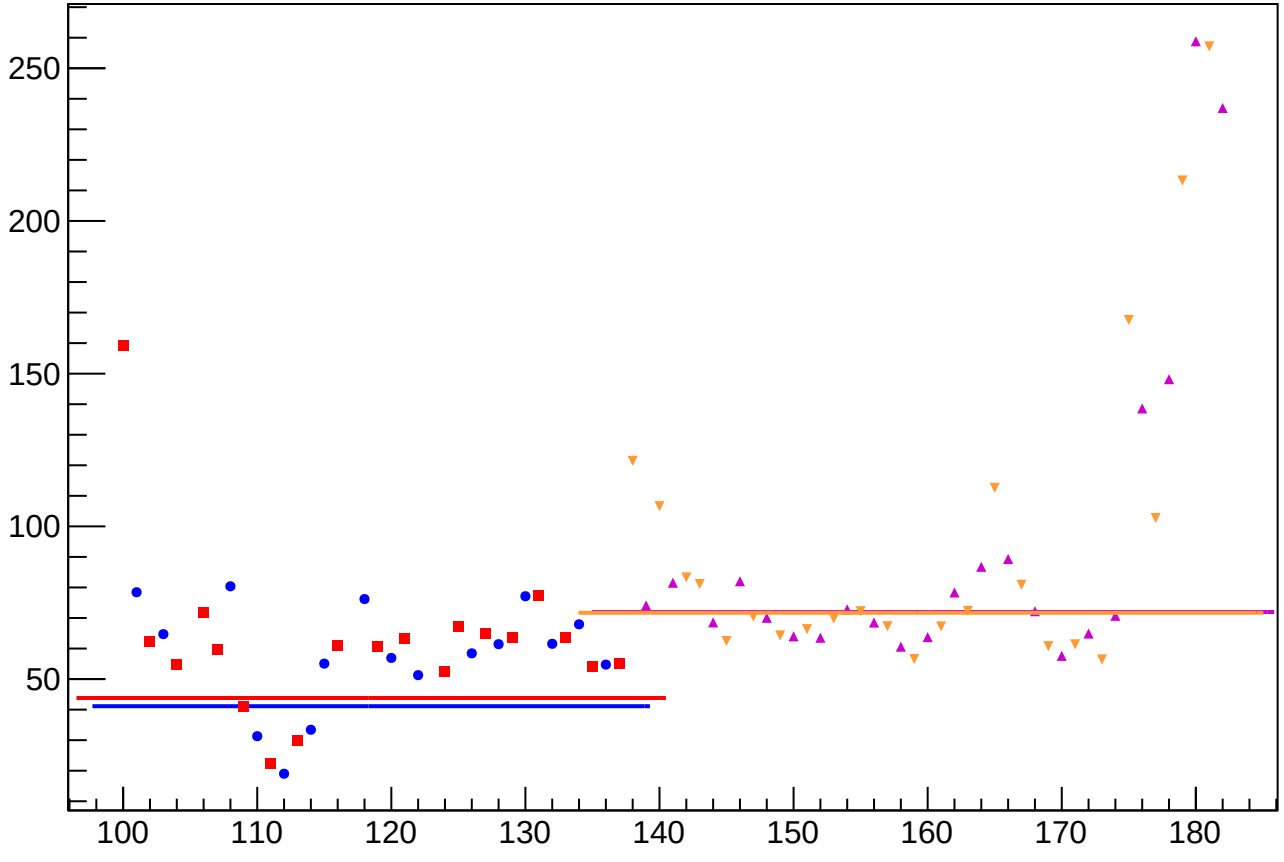
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:43.8/37

Out: -0.007+/-0.013 χ^2/NDF:39.9/41

All: 0.013+/-0.009 χ^2/NDF: 88.5/79

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 71.710+/-0.013 χ^2/NDF:3034707.1/22

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 71.968+/-0.013 χ^2/NDF:2595948.5/21

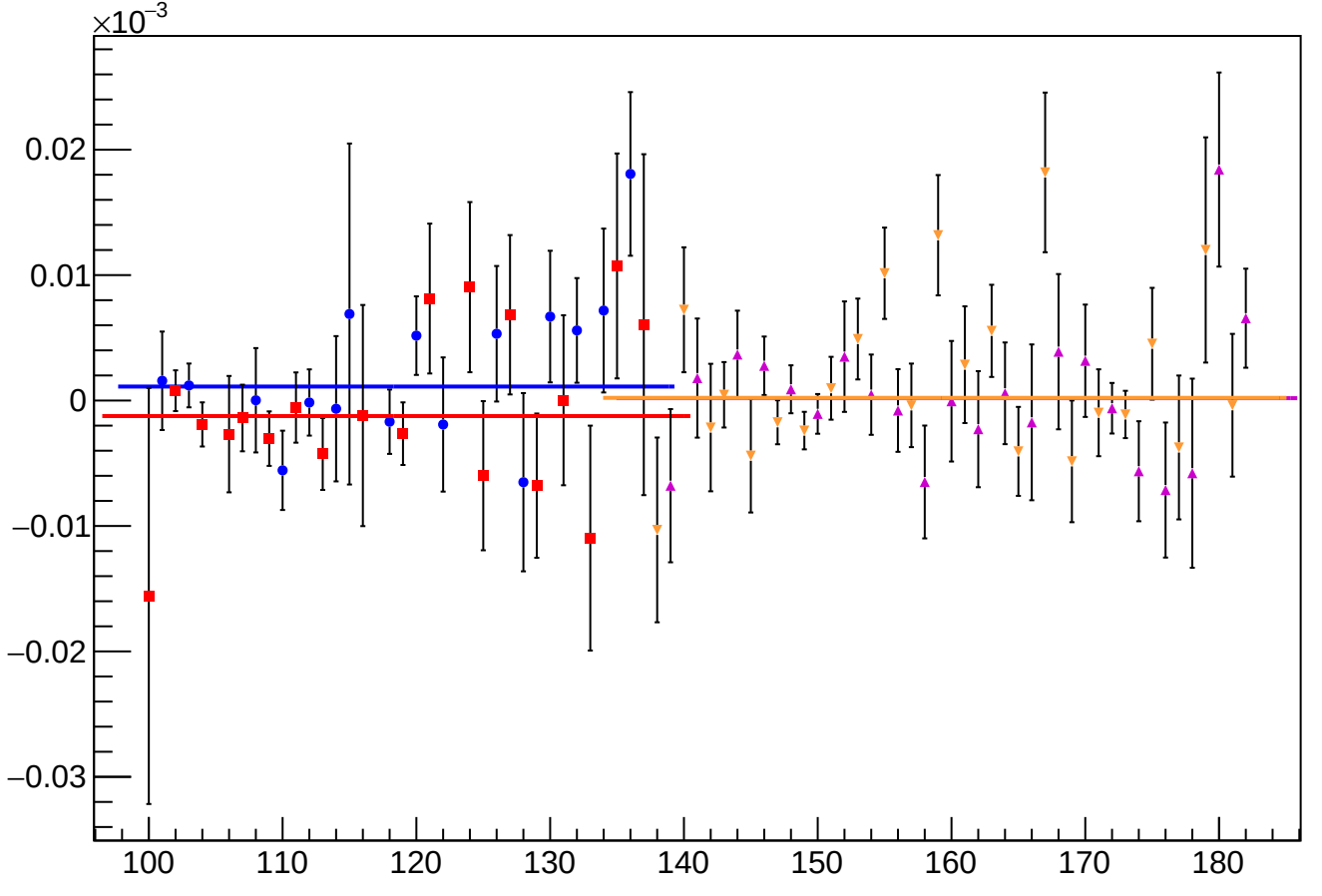
Left: 71.837+/-0.009 χ^2/NDF: 5630857.4/44

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 56.105+/-0.009 χ^2/NDF:8448289.5/37

Out: 57.688+/-0.009 χ^2/NDF:7491690.7/41

All: 56.898+/-0.006 χ^2/NDF: 15955448.0/79



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:21.4/21

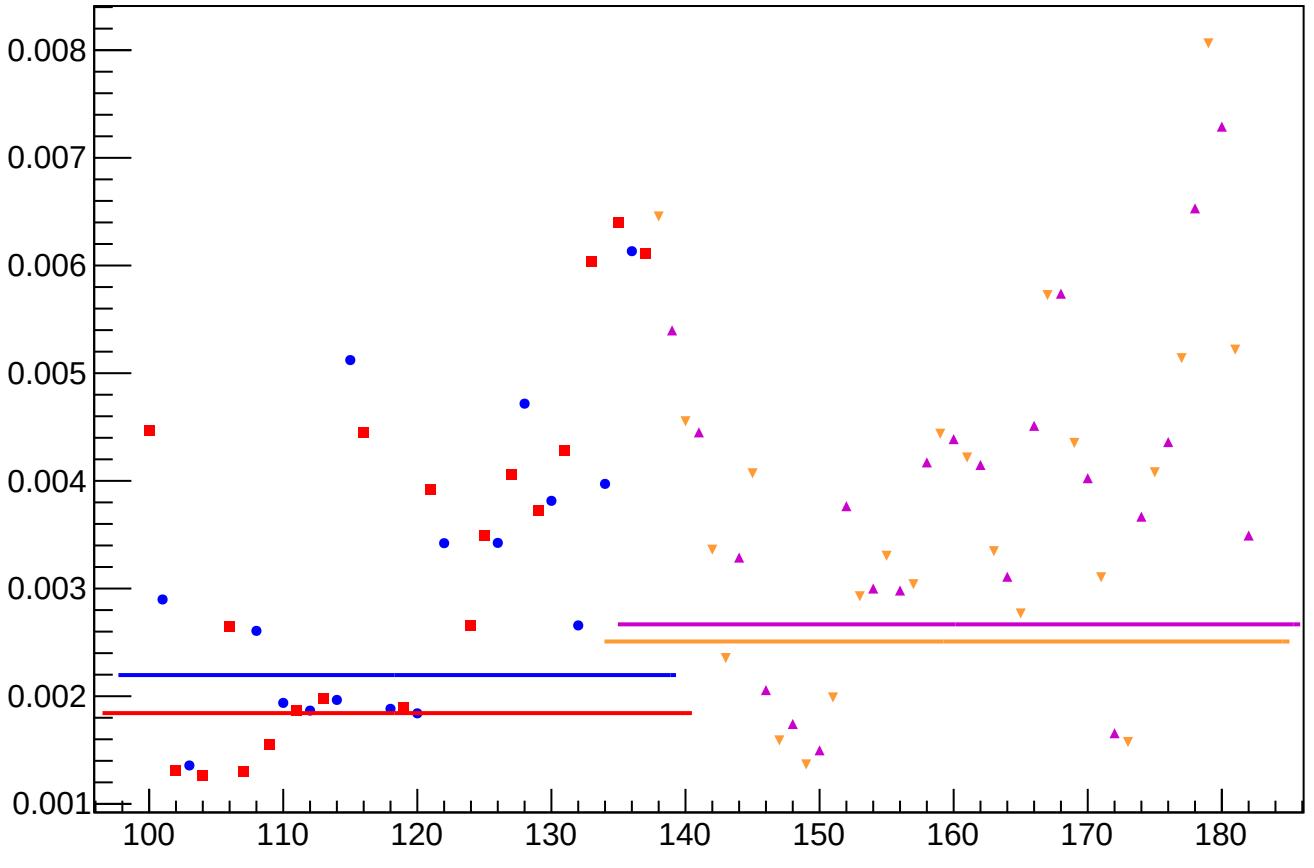
Left: 0.000+/-0.000 χ^2/NDF: 64.7/44

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:41.9/37

Out: -0.000+/-0.000 χ^2/NDF:61.3/41

All: 0.000+/-0.000 χ^2/NDF: 104.8/79



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:7141144.2/22

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:6321577.0/21

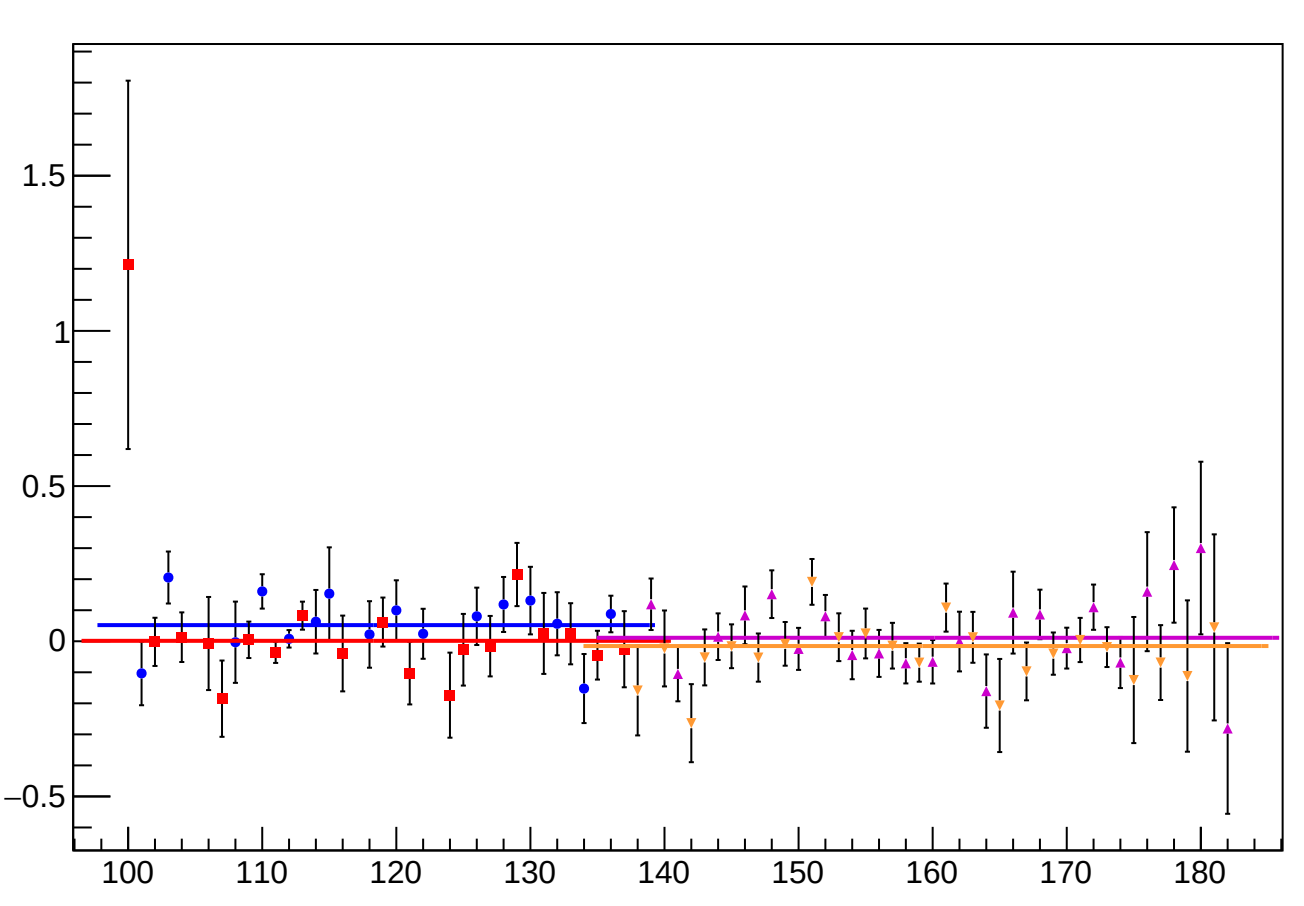
Left: 0.003+/-0.000 χ^2/NDF: 13516647.5/44

Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:8949277.8/37

Out: 0.002+/-0.000 χ^2/NDF:11145553.0/41

All: 0.002+/-0.000 χ^2/NDF: 20346668.0/79



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.015+/-0.018 χ^2/NDF:20.3/22

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.011+/-0.018 χ^2/NDF:23.3/21

Left: -0.002+/-0.013 χ^2/NDF: 44.6/44

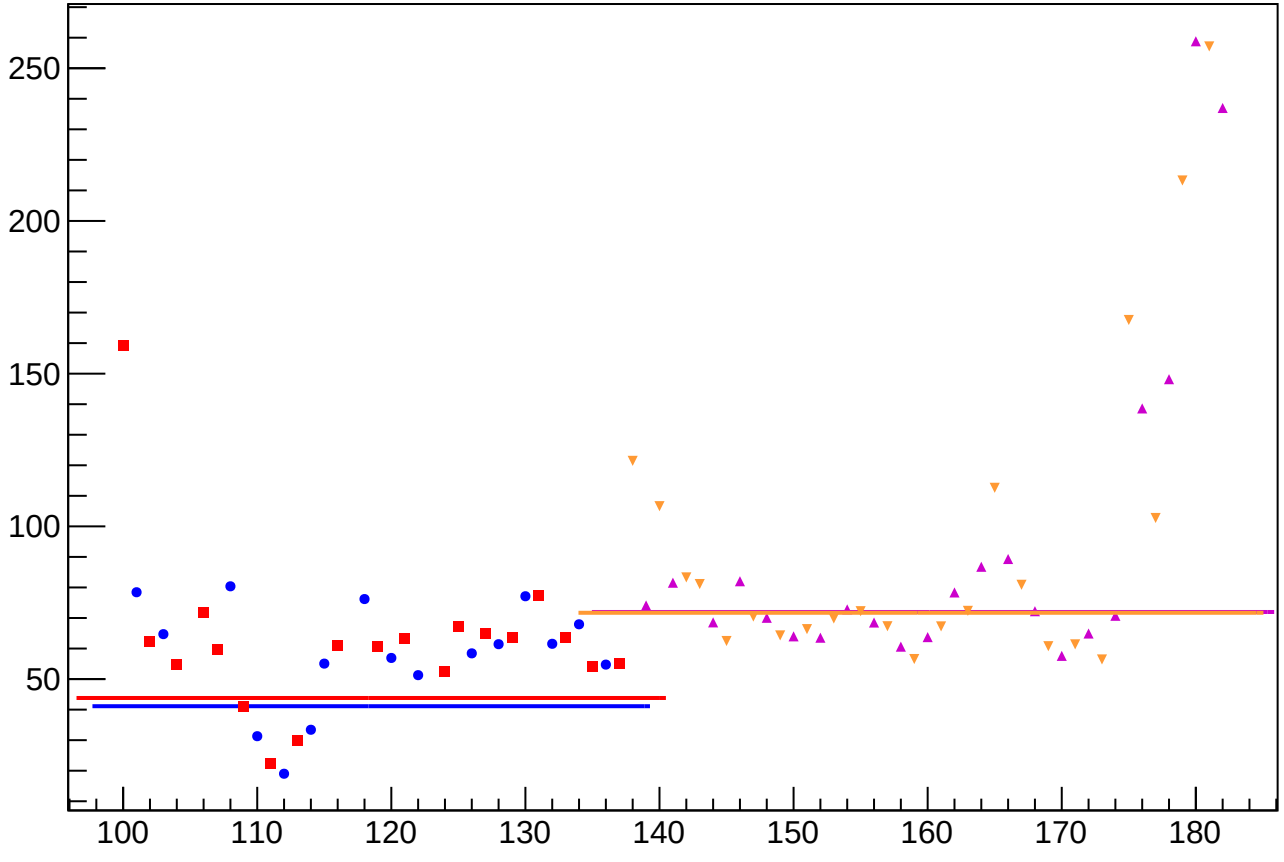
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:43.8/37

Out: -0.007+/-0.013 χ^2/NDF:39.9/41

All: 0.013+/-0.009 χ^2/NDF: 88.5/79

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: 71.711+/-0.013 χ^2/NDF:3034657.4/22

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 71.968+/-0.013 χ^2/NDF:2595880.0/21

Left: 71.838+/-0.009 χ^2/NDF: 5630739.1/44

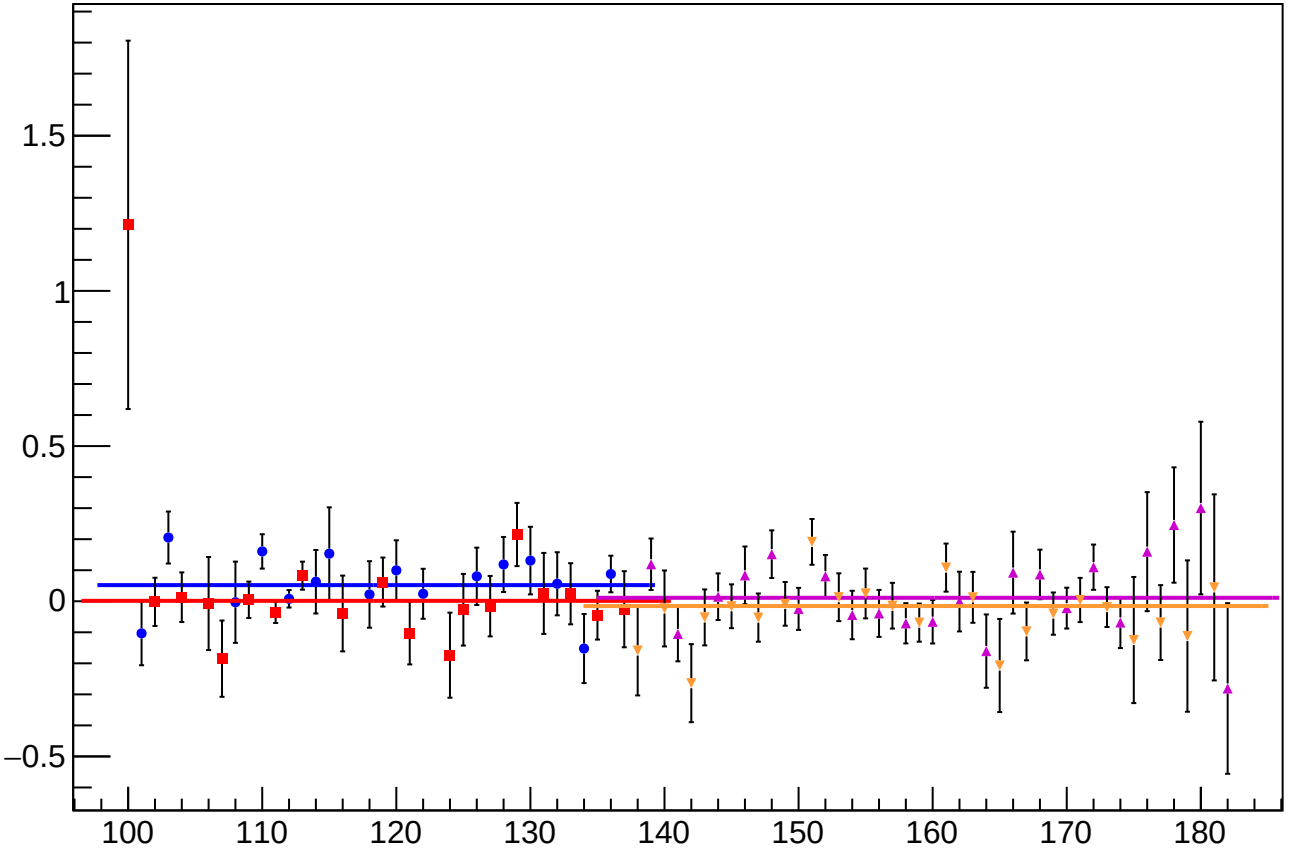
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 56.104+/-0.009 χ^2/NDF:8448691.8/37

Out: 57.687+/-0.009 χ^2/NDF:7492089.9/41

All: 56.898+/-0.006 χ^2/NDF: 15956251.1/79

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: -0.015+/-0.018 χ^2/NDF:20.3/22

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.011+/-0.018 χ^2/NDF:23.3/21

Left: -0.002+/-0.013 χ^2/NDF: 44.6/44

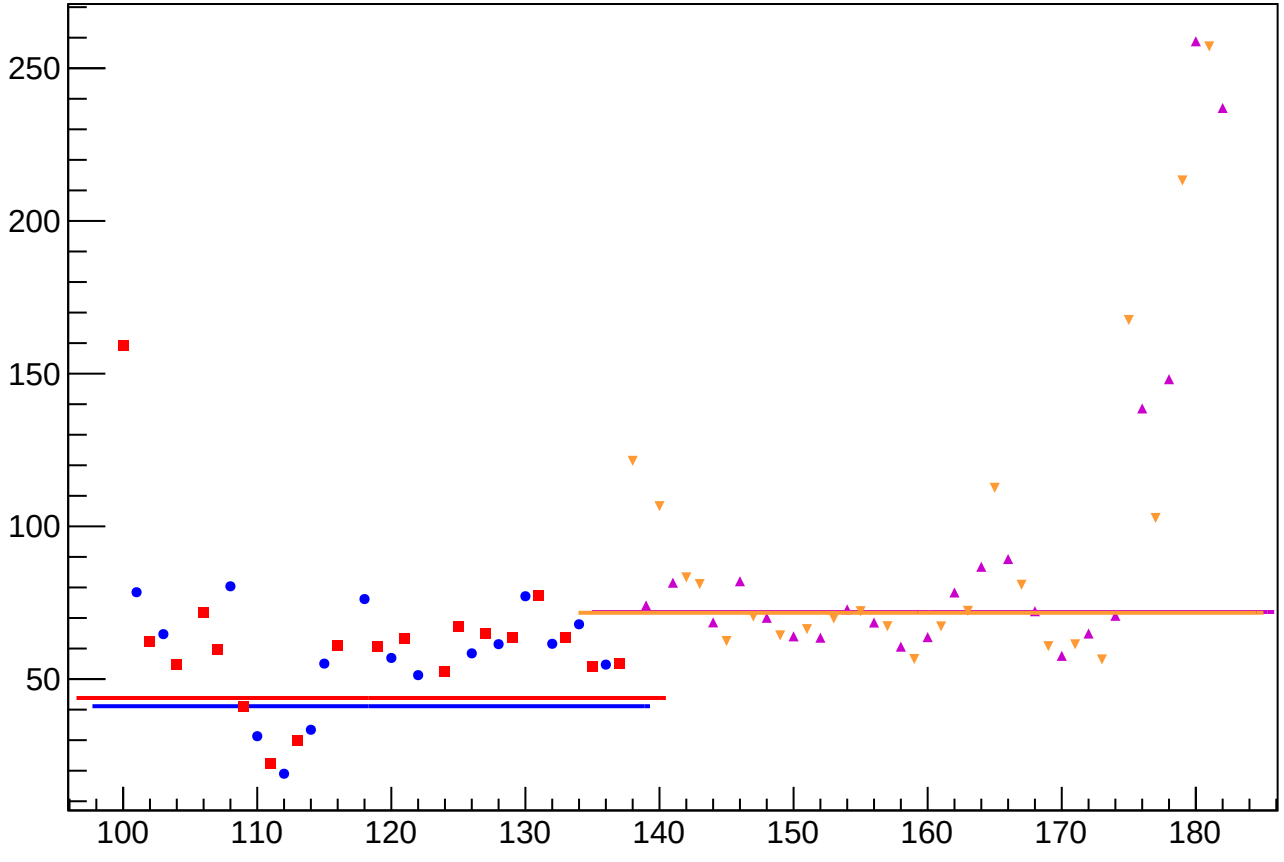
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:43.8/37

Out: -0.007+/-0.013 χ^2/NDF:39.9/41

All: 0.013+/-0.009 χ^2/NDF: 88.5/79

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: 71.711+/-0.013 χ^2/NDF:3034657.4/22

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 71.968+/-0.013 χ^2/NDF:2595880.0/21

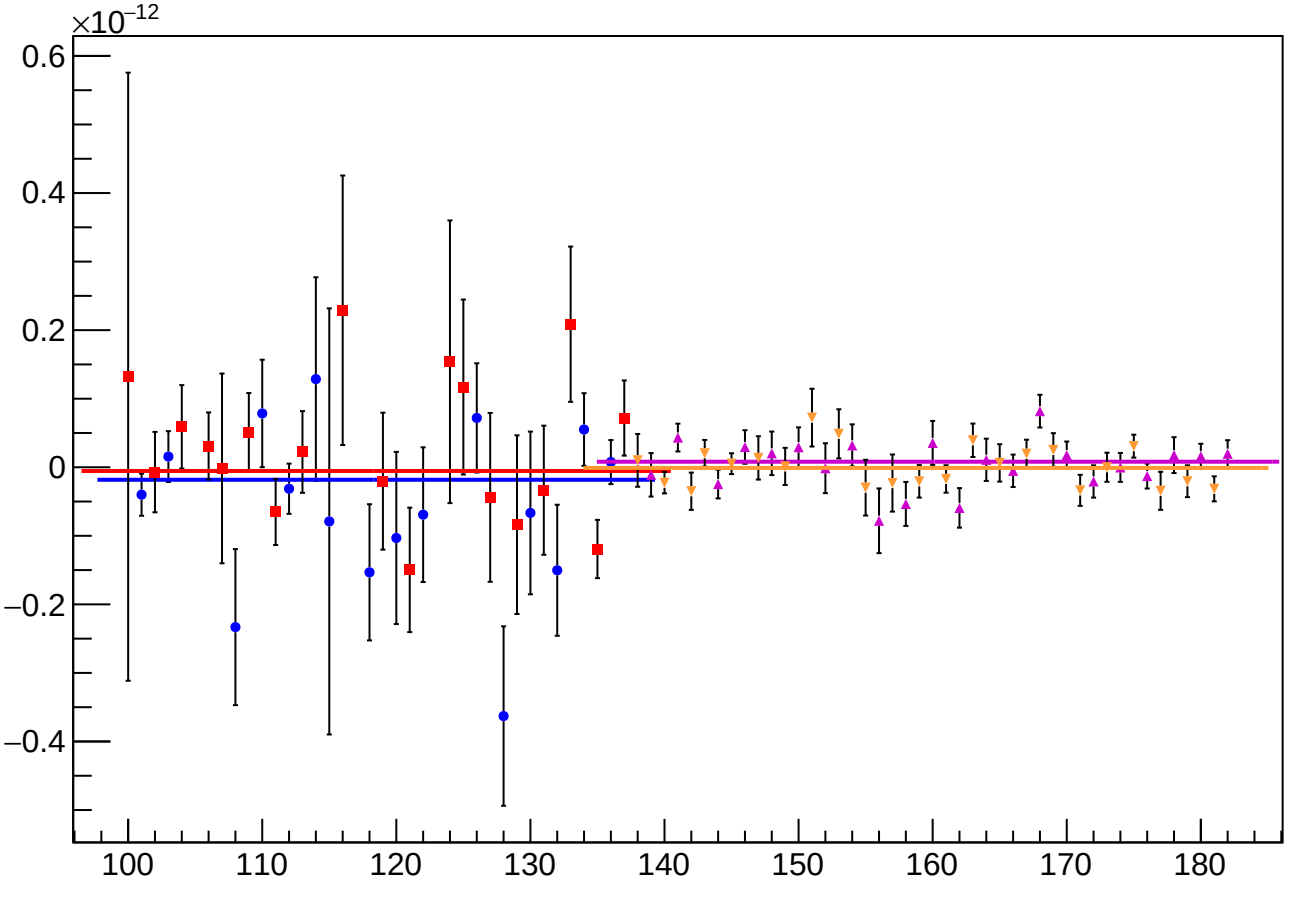
Left: 71.838+/-0.009 χ^2/NDF: 5630739.1/44

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 56.104+/-0.009 χ^2/NDF:8448691.8/37

Out: 57.687+/-0.009 χ^2/NDF:7492089.9/41

All: 56.898+/-0.006 χ^2/NDF: 15956251.1/79



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.8/22

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:34.9/21

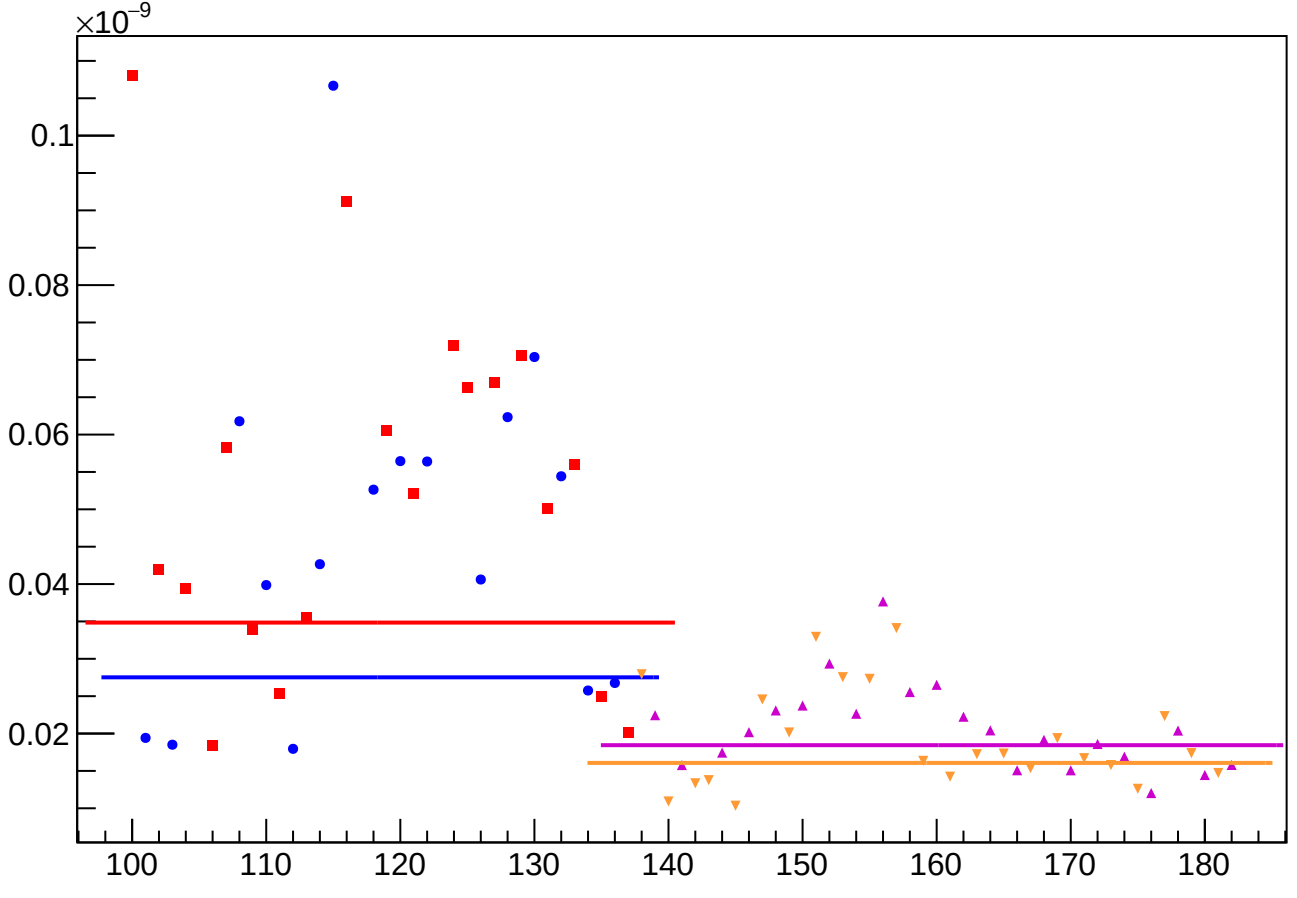
Left: 0.000+/-0.000 χ^2/NDF: 64.4/44

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:60.9/37

Out: -0.000+/-0.000 χ^2/NDF:51.2/41

All: 0.000+/-0.000 χ^2/NDF: 112.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2255400.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1511764.3/21

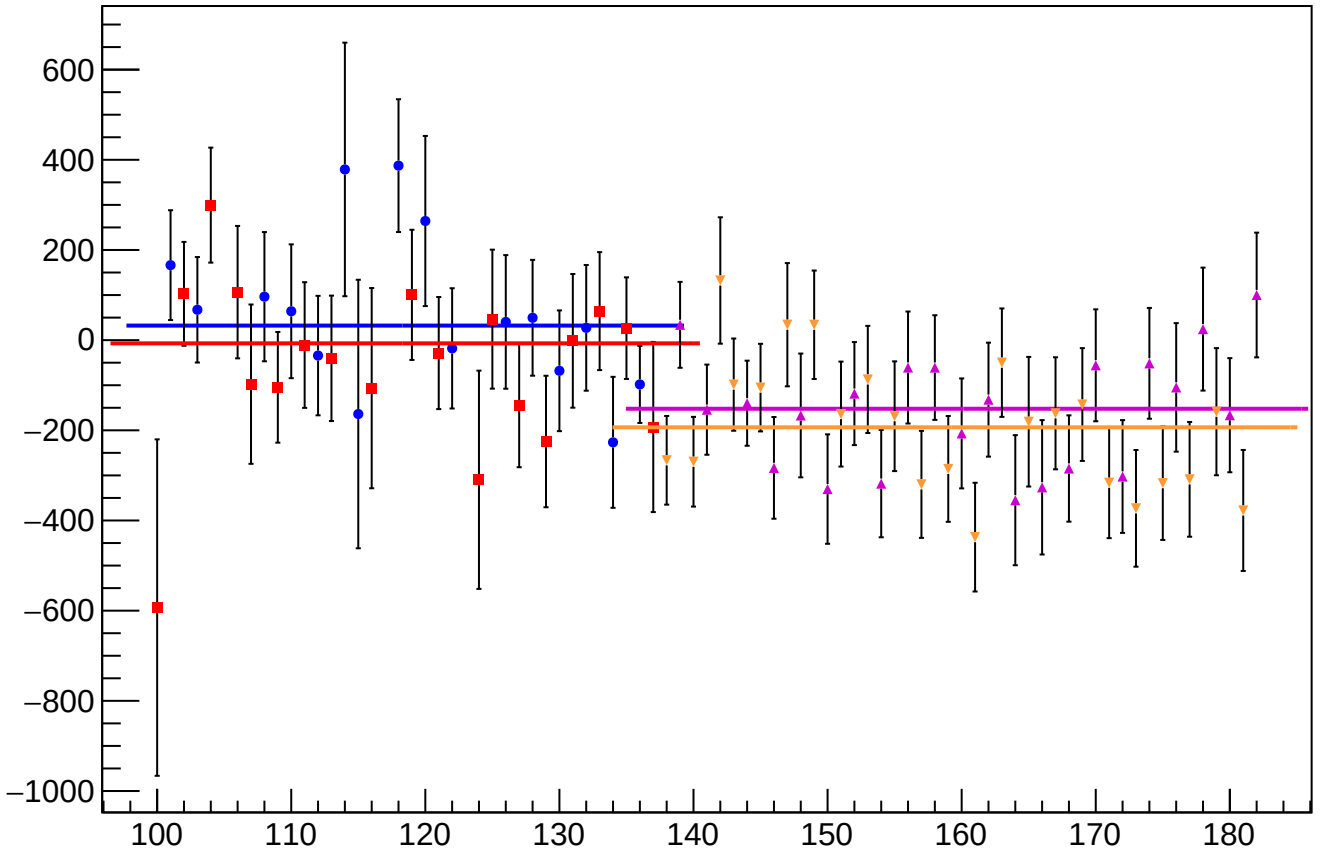
Left: 0.000+/-0.000 χ^2/NDF: 3989240.6/44

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:4012219.6/37

Out: 0.000+/-0.000 χ^2/NDF:6269017.1/41

All: 0.000+/-0.000 χ^2/NDF: 10455807.8/79



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -193.355+/-24.947 χ^2/NDF:29.6/22

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -152.169+/-25.684 χ^2/NDF:23.2/21

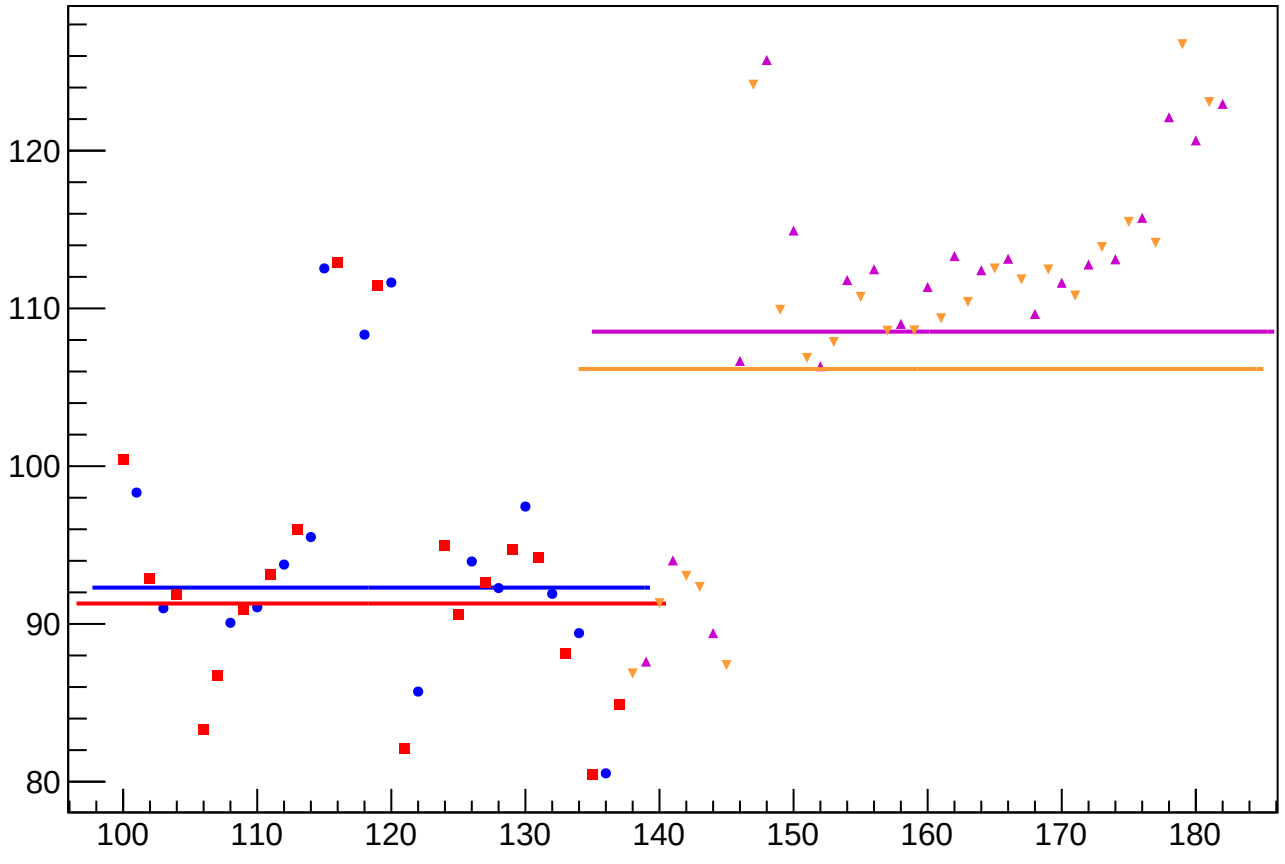
Left: -173.362+/-17.895 χ^2/NDF: 54.2/44

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -86.214+/-20.587 χ^2/NDF:59.0/37

Out: -126.698+/-19.991 χ^2/NDF:67.4/41

All: -107.050+/-14.342 χ^2/NDF: 128.3/79



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.161+/-0.018 χ^2/NDF:412314.2/22

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 108.528+/-0.018 χ^2/NDF:341360.7/21

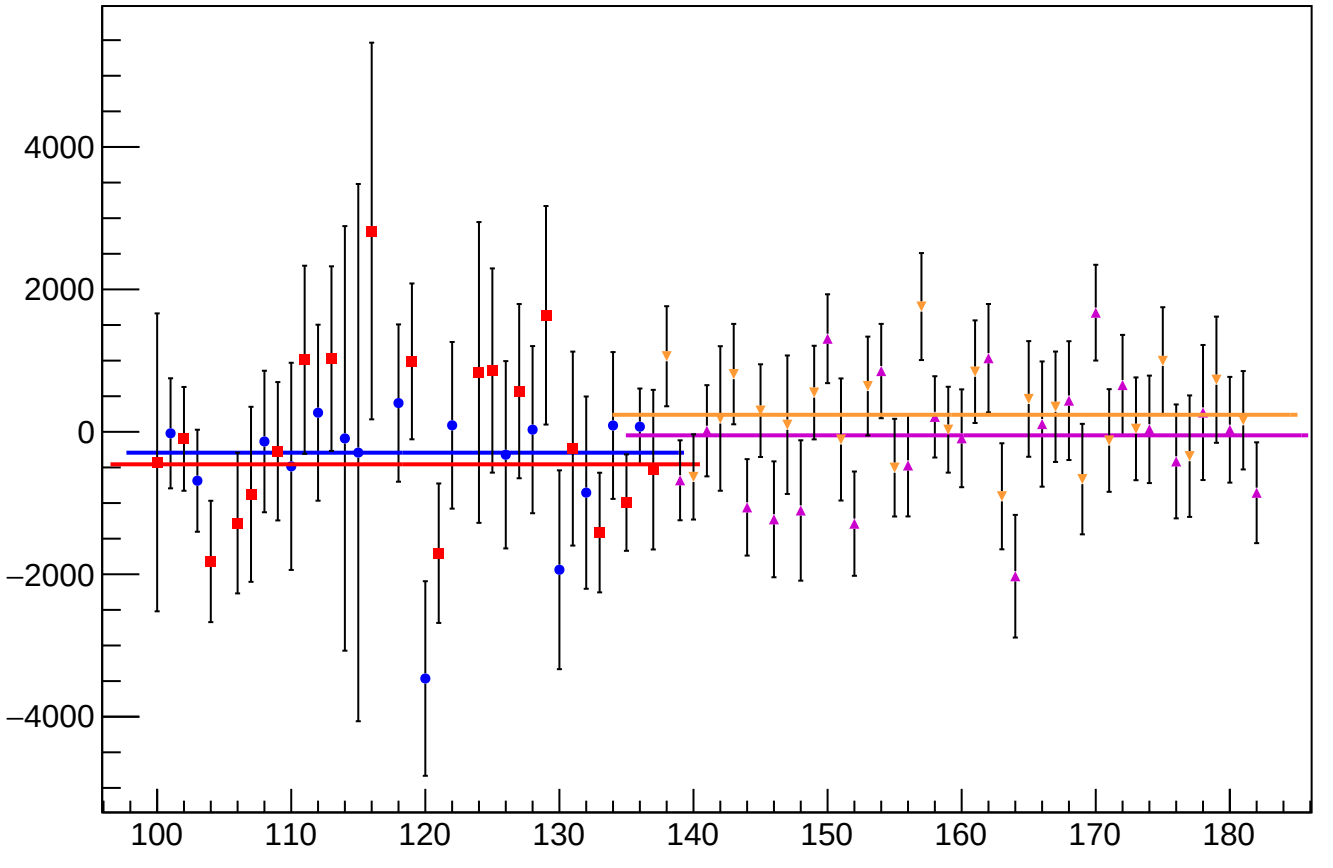
Left: 107.310+/-0.013 χ^2/NDF: 762411.1/44

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 102.726+/-0.015 χ^2/NDF:733807.0/37

Out: 100.841+/-0.014 χ^2/NDF:771605.4/41

All: 101.756+/-0.010 χ^2/NDF: 1514043.7/79



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 239.444+/-153.307 χ^2/NDF:16.9/22

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -49.105+/-153.471 χ^2/NDF:33.6/21

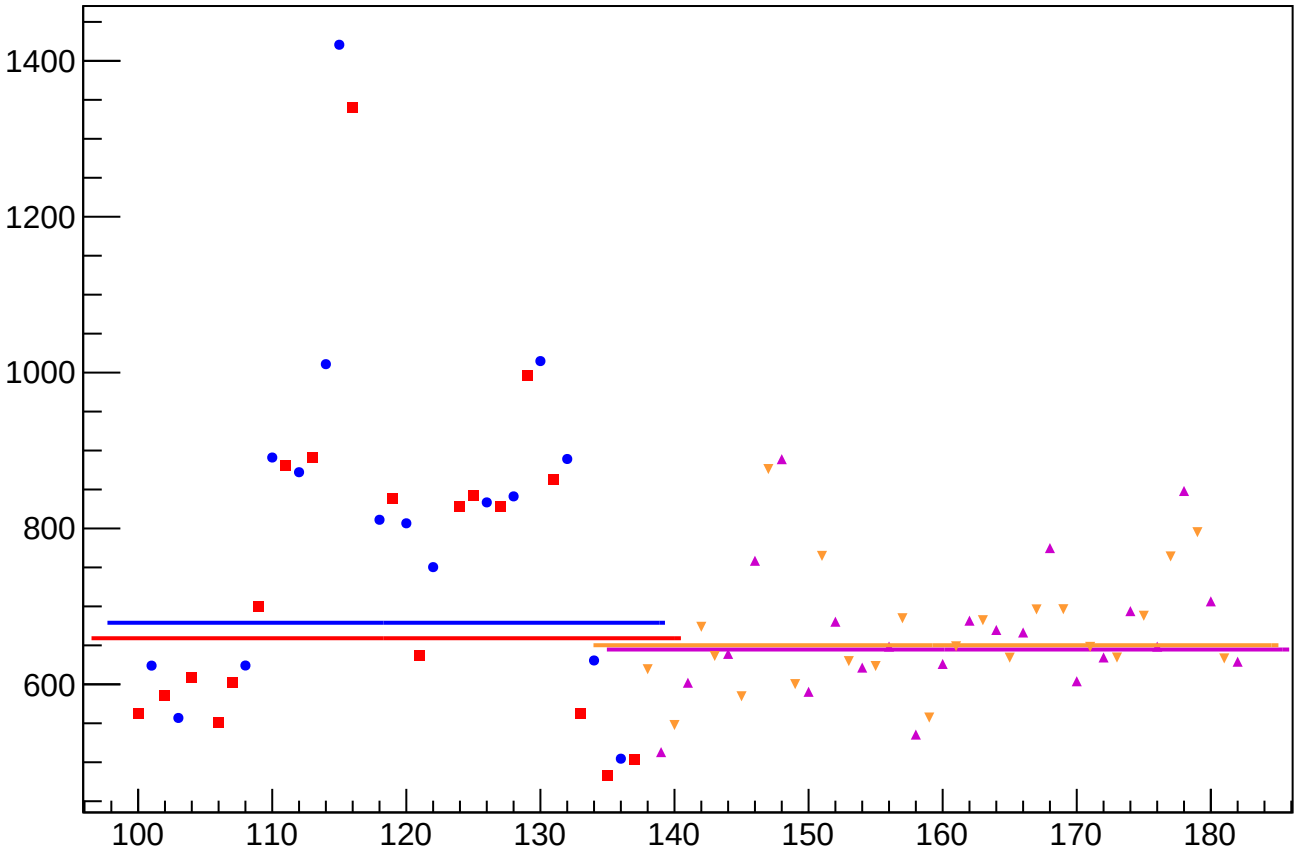
Left: 95.324+/-108.462 χ^2/NDF: 52.3/44

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -112.173+/-132.124 χ^2/NDF:43.1/37

Out: 48.014+/-130.507 χ^2/NDF:39.4/41

All: -31.093+/-92.849 χ^2/NDF: 83.3/79



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 650.177+/-0.108 χ^2/NDF:411393.3/22

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 644.663+/-0.109 χ^2/NDF:557503.2/21

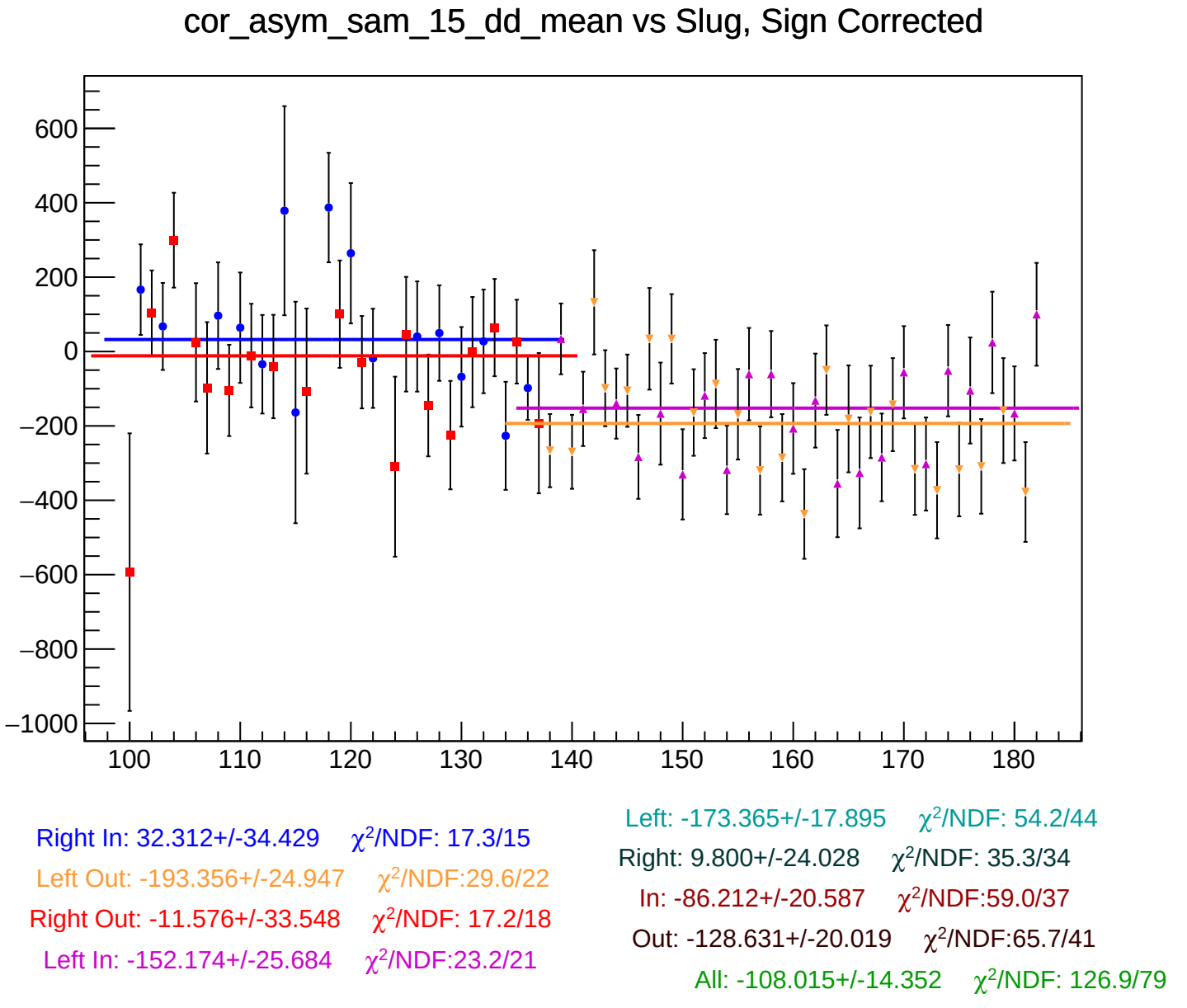
Left: 647.423+/-0.077 χ^2/NDF: 970189.0/44

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

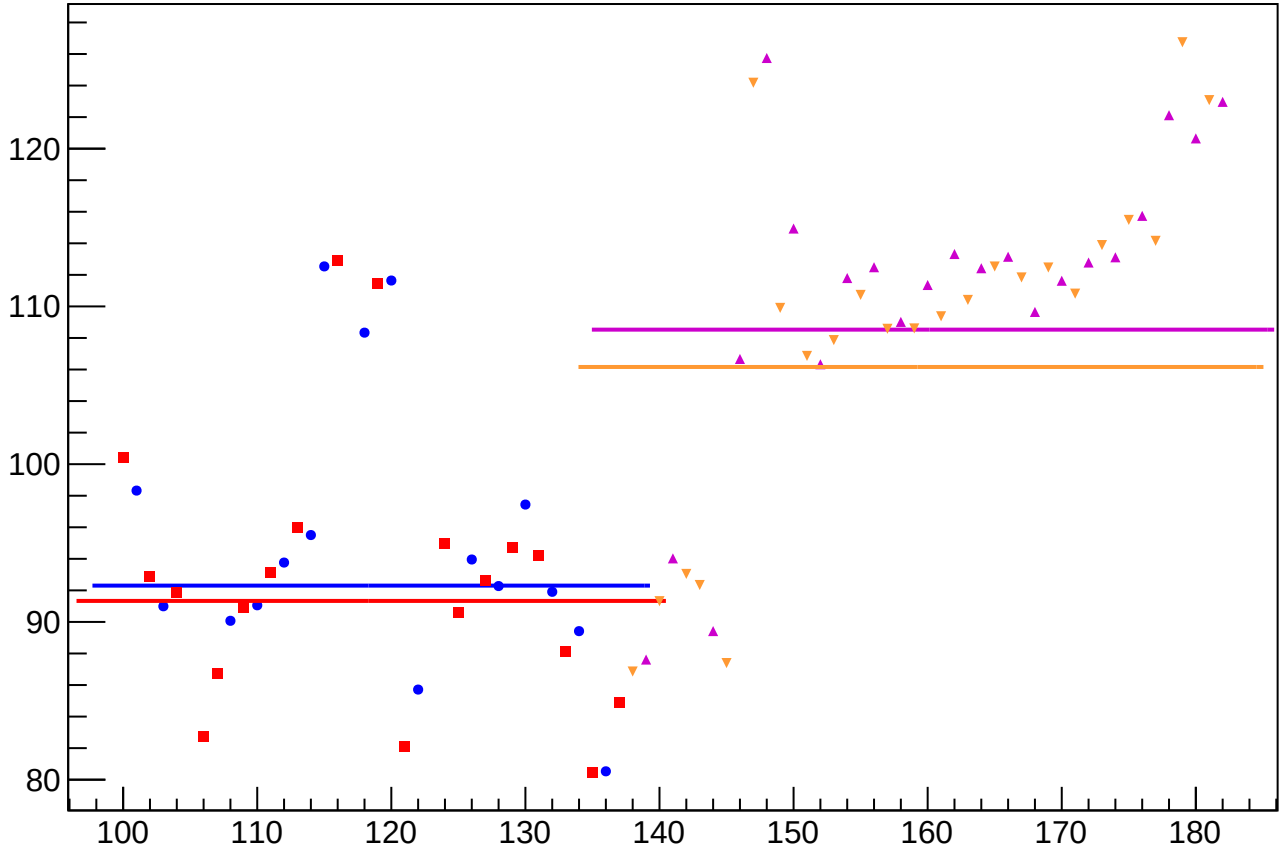
In: 653.552+/-0.093 χ^2/NDF:1351406.0/37

Out: 652.643+/-0.092 χ^2/NDF:1209150.3/41

All: 653.092+/-0.066 χ^2/NDF: 2560604.2/79


cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
180
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -193.356+/-24.947 χ²/NDF:29.6/22
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -152.174+/-25.684 χ²/NDF:23.2/21
Left: -173.365+/-17.895 χ²/NDF: 54.2/44
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: -86.212+/-20.587 χ²/NDF:59.0/37
Out: -128.631+/-20.019 χ²/NDF:65.7/41
All: -108.015+/-14.352 χ²/NDF: 126.9/79

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.161+/-0.018 χ^2/NDF:412314.2/22

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.528+/-0.018 χ^2/NDF:341360.7/21

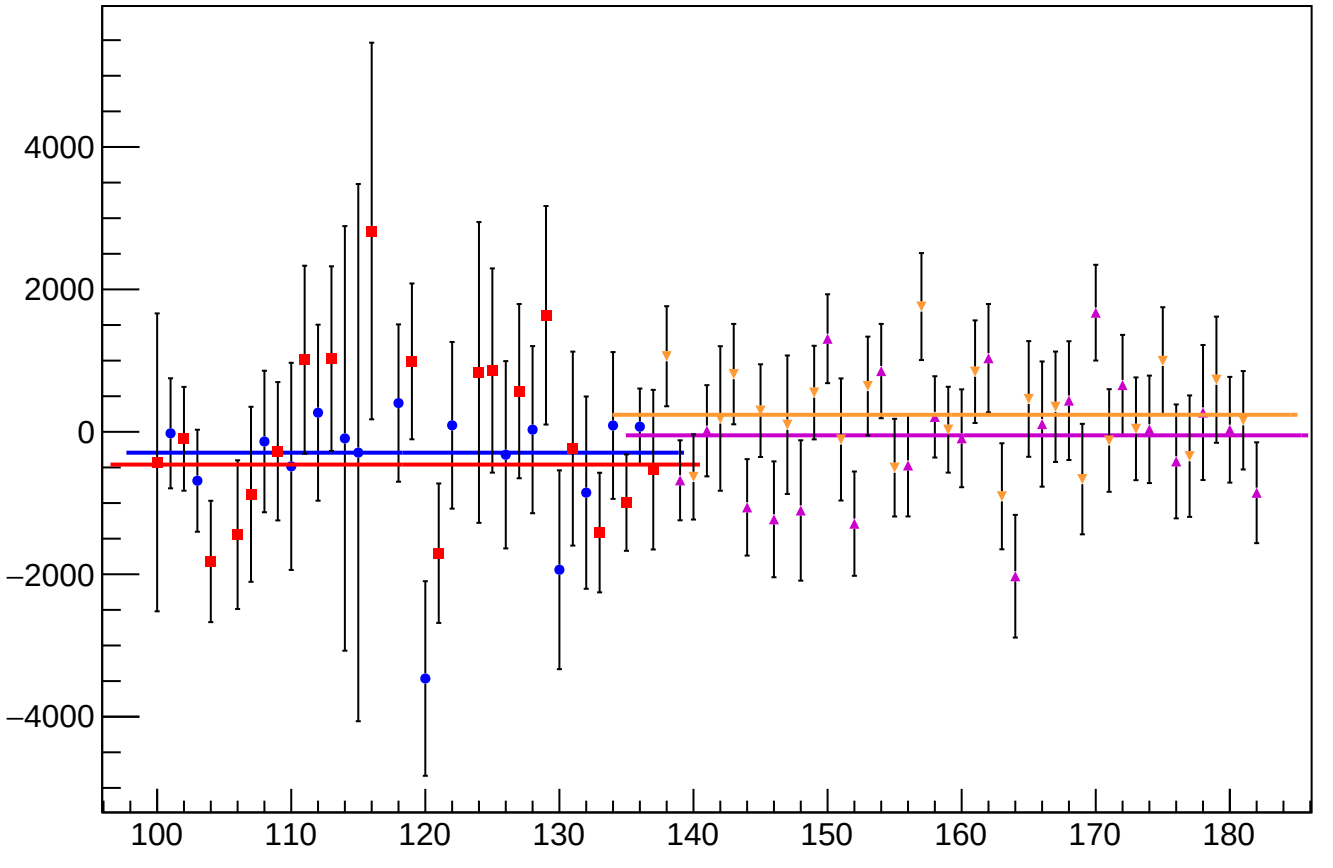
Left: 107.310+/-0.013 χ^2/NDF: 762411.2/44

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 102.727+/-0.015 χ^2/NDF:733806.9/37

Out: 100.881+/-0.014 χ^2/NDF:768871.8/41

All: 101.778+/-0.010 χ^2/NDF: 1510937.8/79



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 239.440+/-153.307 χ^2/NDF:16.9/22

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -49.106+/-153.471 χ^2/NDF:33.6/21

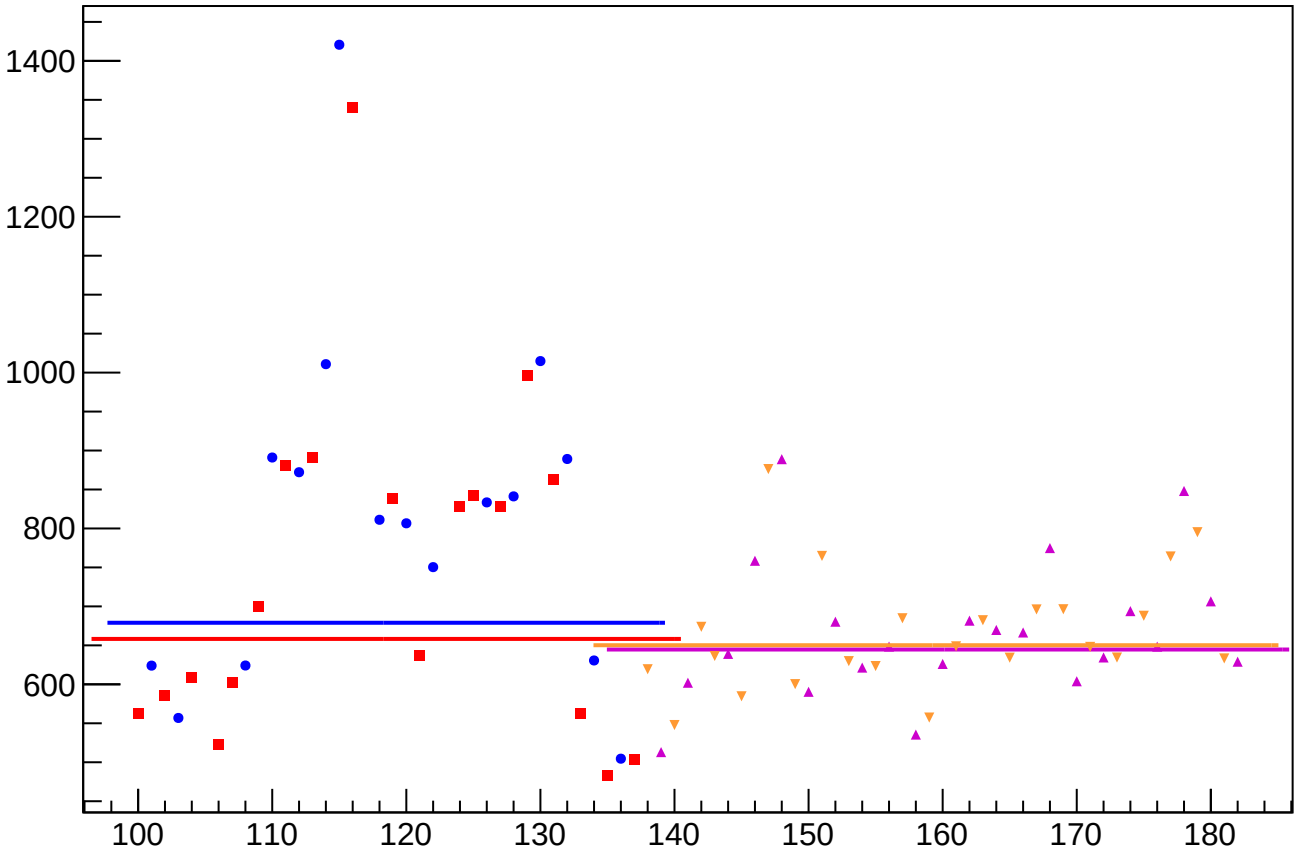
Left: 95.321+/-108.463 χ^2/NDF: 52.3/44

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -112.173+/-132.124 χ^2/NDF:43.1/37

Out: 47.898+/-130.626 χ^2/NDF:39.7/41

All: -31.225+/-92.891 χ^2/NDF: 83.5/79



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 650.177+/-0.108 χ^2/NDF:411394.2/22

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 644.663+/-0.109 χ^2/NDF:557504.0/21

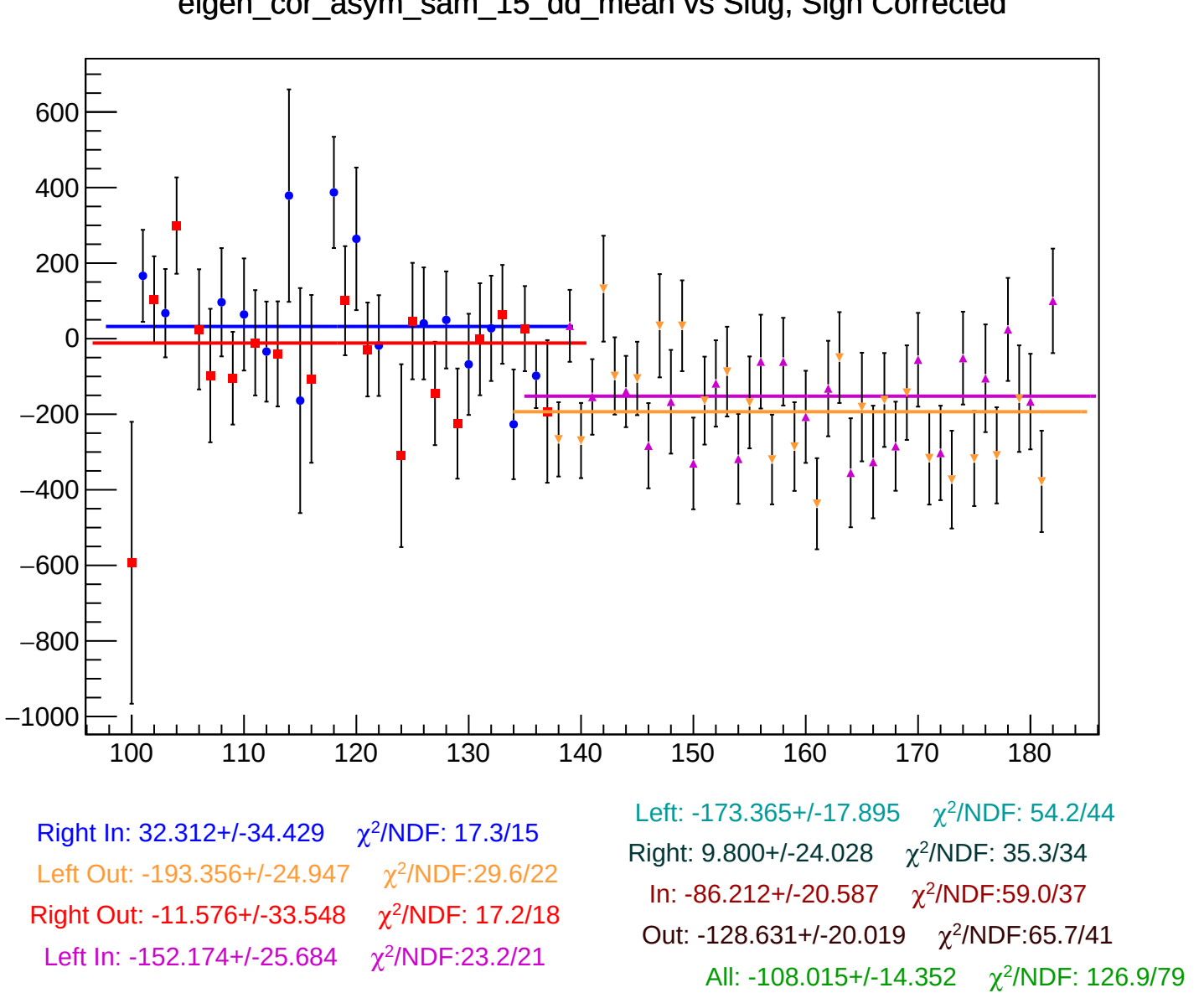
Left: 647.423+/-0.077 χ^2/NDF: 970190.7/44

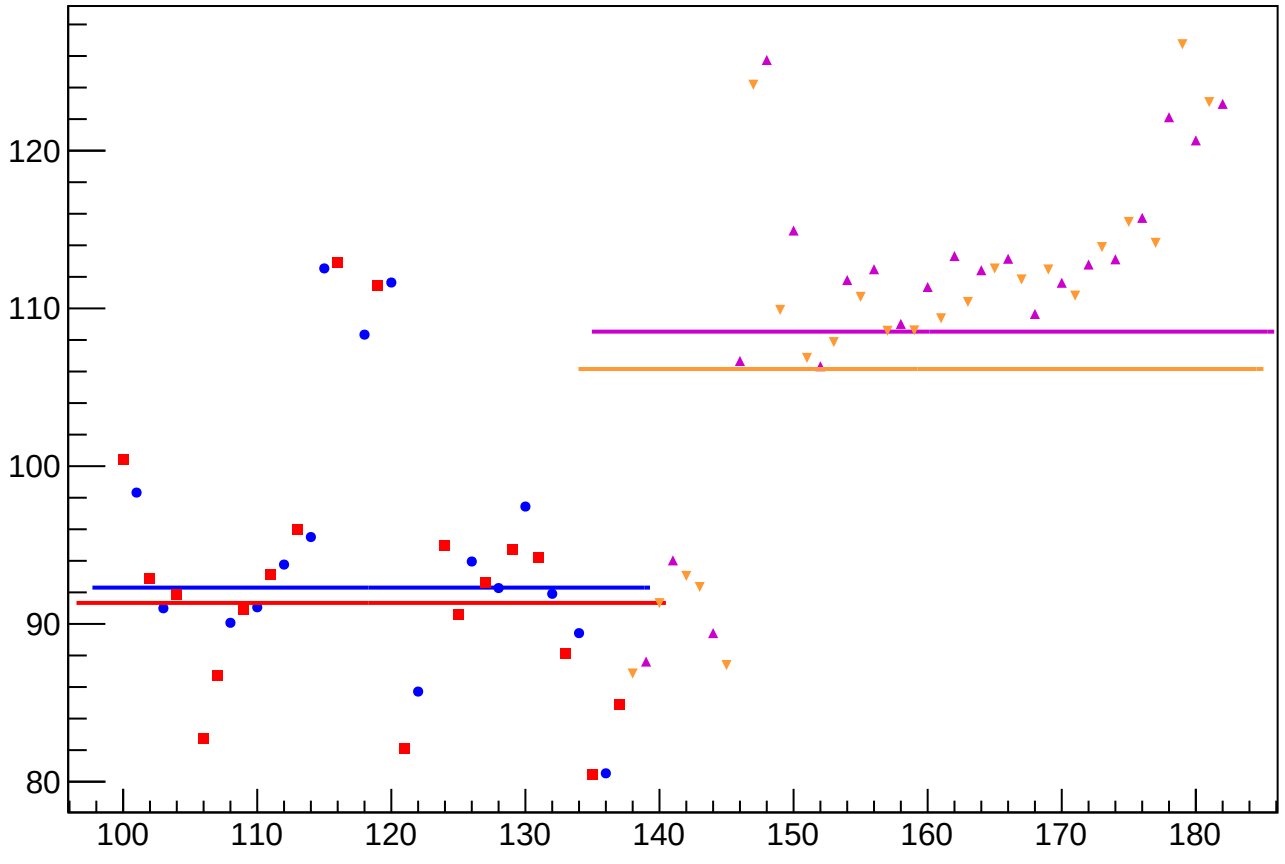
Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 653.552+/-0.093 χ^2/NDF:1351408.3/37

Out: 652.393+/-0.092 χ^2/NDF:1218816.3/41

All: 652.966+/-0.066 χ^2/NDF: 2570302.4/79


eigen_cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
180
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -193.356+/-24.947 χ²/NDF:29.6/22
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -152.174+/-25.684 χ²/NDF:23.2/21
Left: -173.365+/-17.895 χ²/NDF: 54.2/44
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: -86.212+/-20.587 χ²/NDF:59.0/37
Out: -128.631+/-20.019 χ²/NDF:65.7/41
All: -108.015+/-14.352 χ²/NDF: 126.9/79



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.161+/-0.018 χ^2/NDF:412314.2/22

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.528+/-0.018 χ^2/NDF:341360.7/21

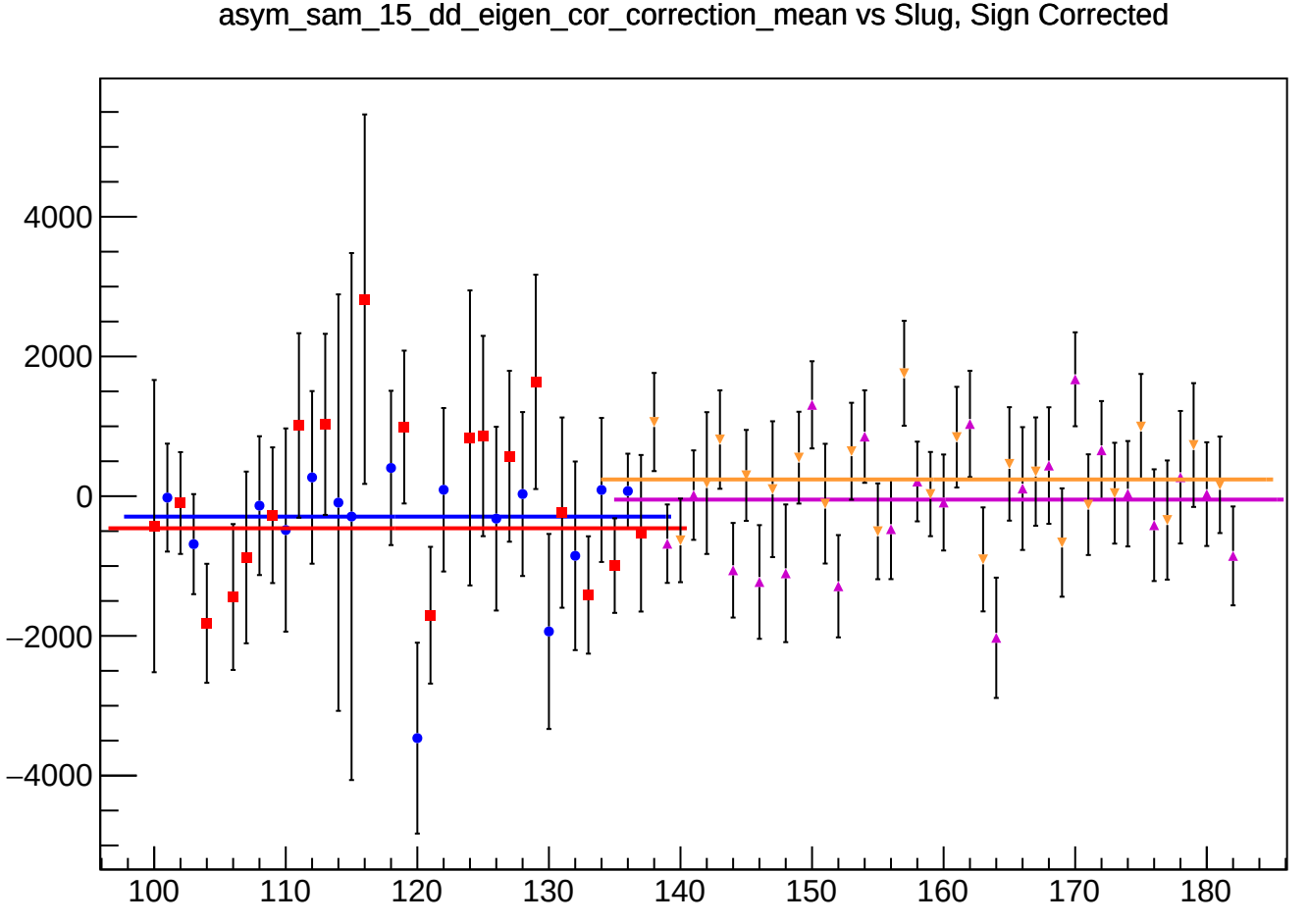
Left: 107.310+/-0.013 χ^2/NDF: 762411.2/44

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 102.727+/-0.015 χ^2/NDF:733806.9/37

Out: 100.881+/-0.014 χ^2/NDF:768871.8/41

All: 101.778+/-0.010 χ^2/NDF: 1510937.8/79



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 239.440+/-153.307 χ^2/NDF:16.9/22

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -49.106+/-153.471 χ^2/NDF:33.6/21

Left: 95.321+/-108.463 χ^2/NDF: 52.3/44

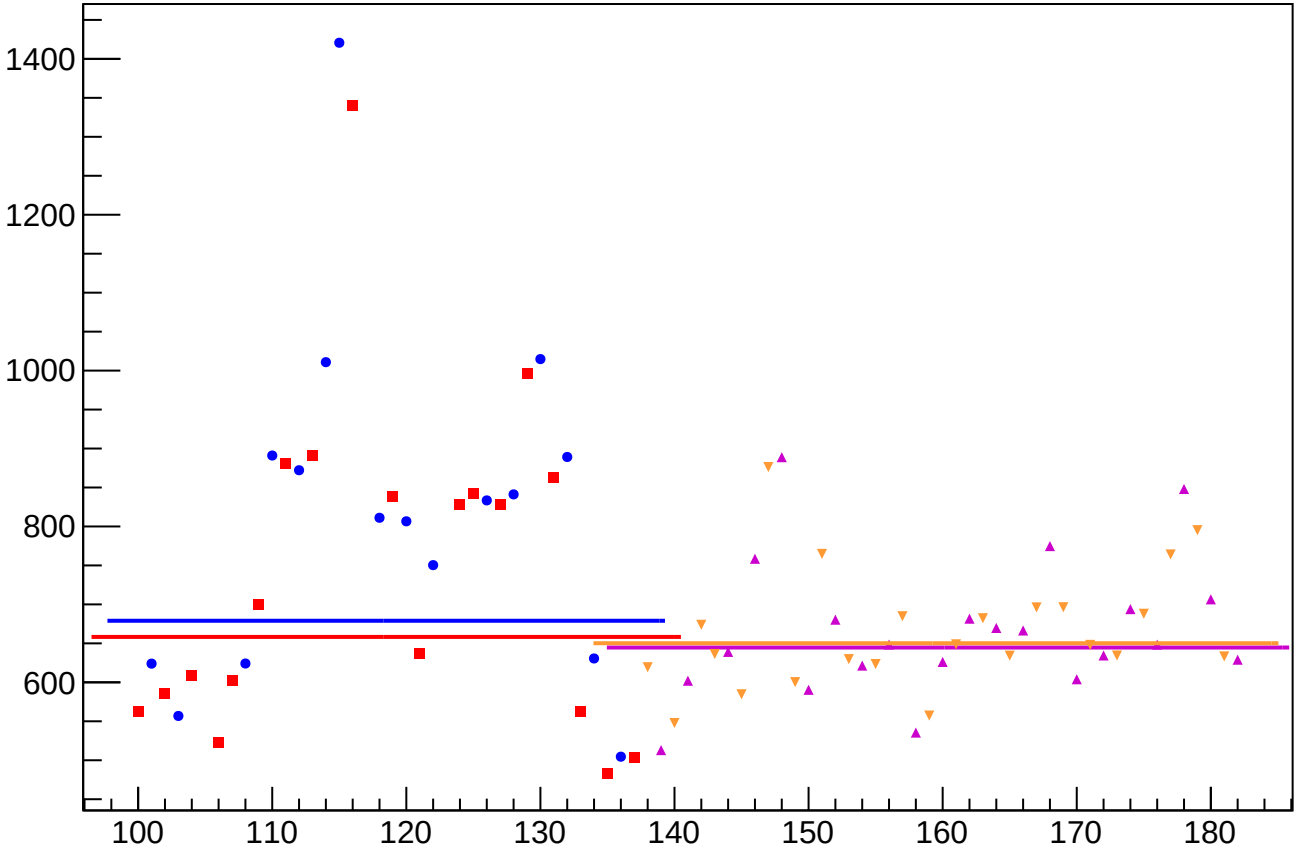
Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -112.173+/-132.124 χ^2/NDF:43.1/37

Out: 47.898+/-130.626 χ^2/NDF:39.7/41

All: -31.225+/-92.891 χ^2/NDF: 83.5/79

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 650.177+/-0.108 χ^2/NDF:411394.2/22

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 644.663+/-0.109 χ^2/NDF:557504.0/21

Left: 647.423+/-0.077 χ^2/NDF: 970190.7/44

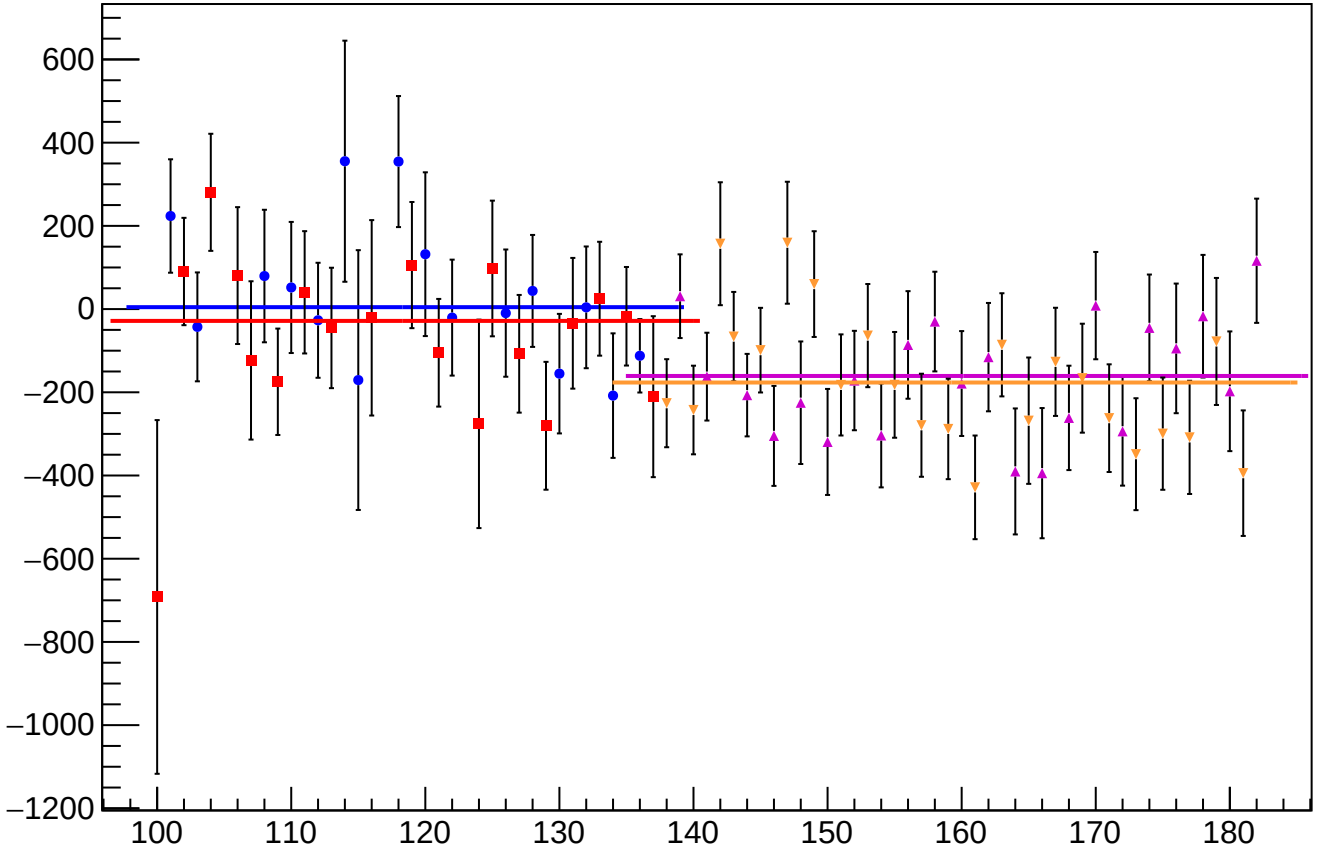
Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 653.552+/-0.093 χ^2/NDF:1351408.3/37

Out: 652.393+/-0.092 χ^2/NDF:1218816.3/41

All: 652.966+/-0.066 χ^2/NDF: 2570302.4/79

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -176.497+/-26.308 χ^2/NDF:29.9/22

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -160.754+/-27.106 χ^2/NDF:23.4/21

Left: -168.861+/-18.878 χ^2/NDF: 53.5/44

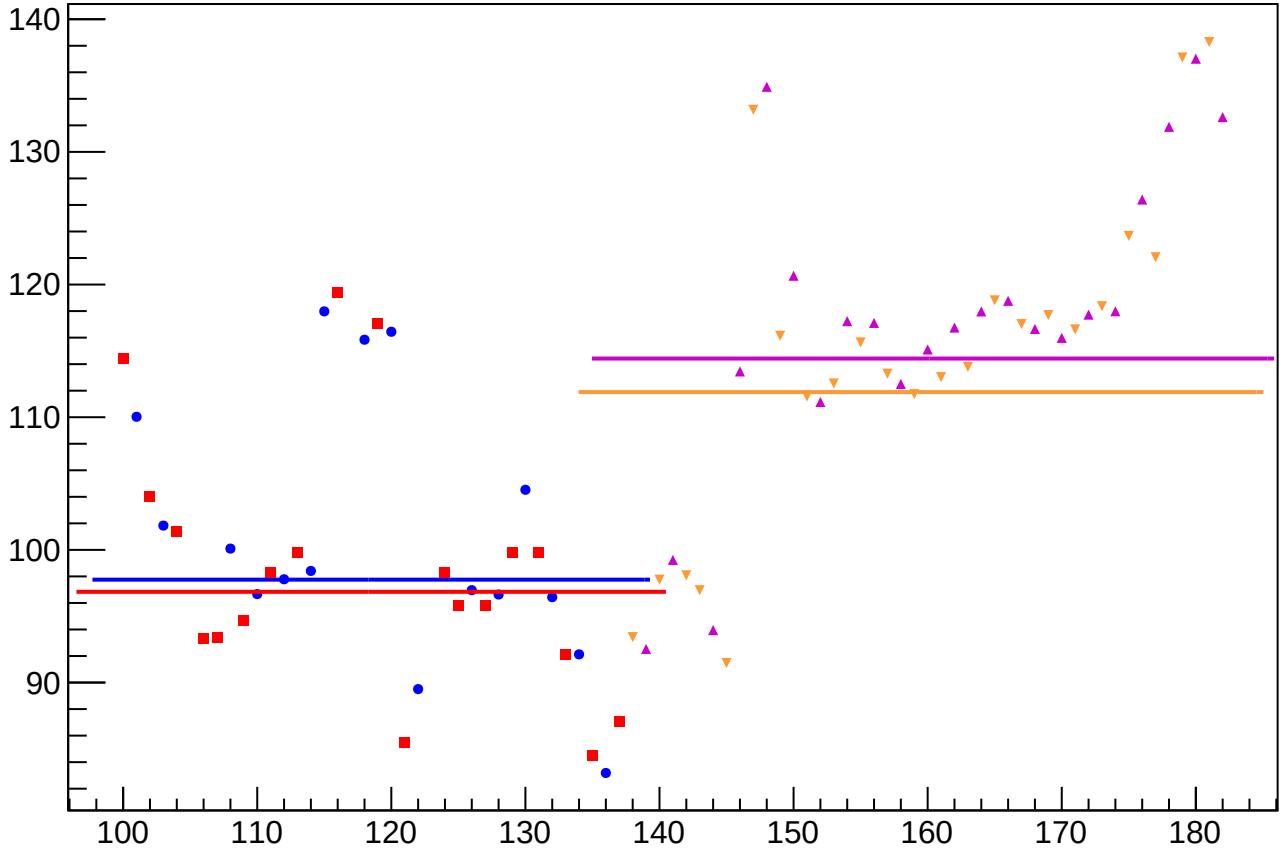
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -101.989+/-21.763 χ^2/NDF:52.0/37

Out: -123.933+/-21.129 χ^2/NDF:58.3/41

All: -113.285+/-15.160 χ^2/NDF: 110.8/79

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 111.895+/-0.019 χ^2/NDF:440704.1/22

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 114.423+/-0.019 χ^2/NDF:394902.3/21

Left: 113.122+/-0.013 χ^2/NDF: 844565.8/44

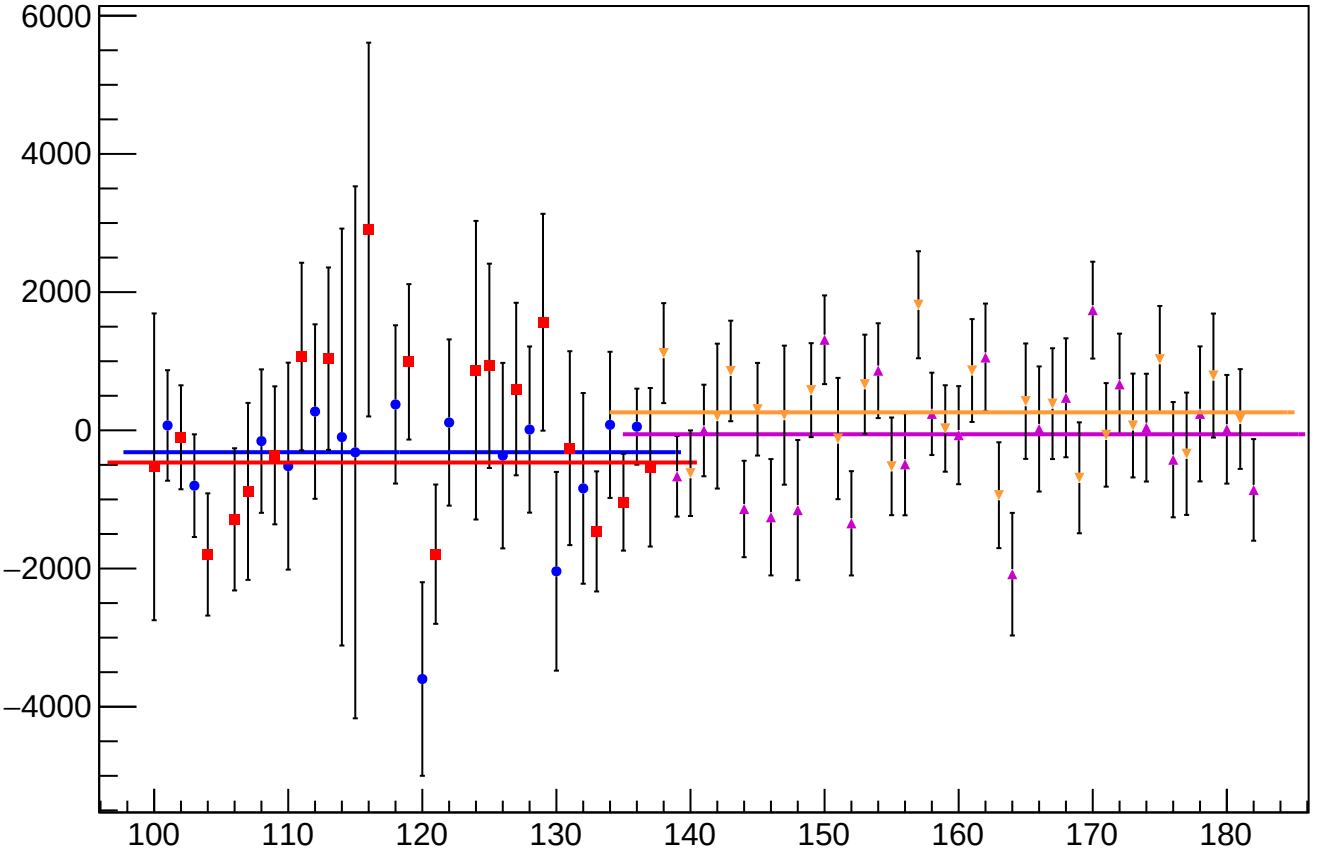
Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 108.501+/-0.015 χ^2/NDF:804275.3/37

Out: 106.551+/-0.015 χ^2/NDF:788376.8/41

All: 107.497+/-0.011 χ^2/NDF: 1600912.2/79

asym_sam_15_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 260.395+/-158.337 χ^2/NDF:16.9/22

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -56.856+/-158.974 χ^2/NDF:33.2/21

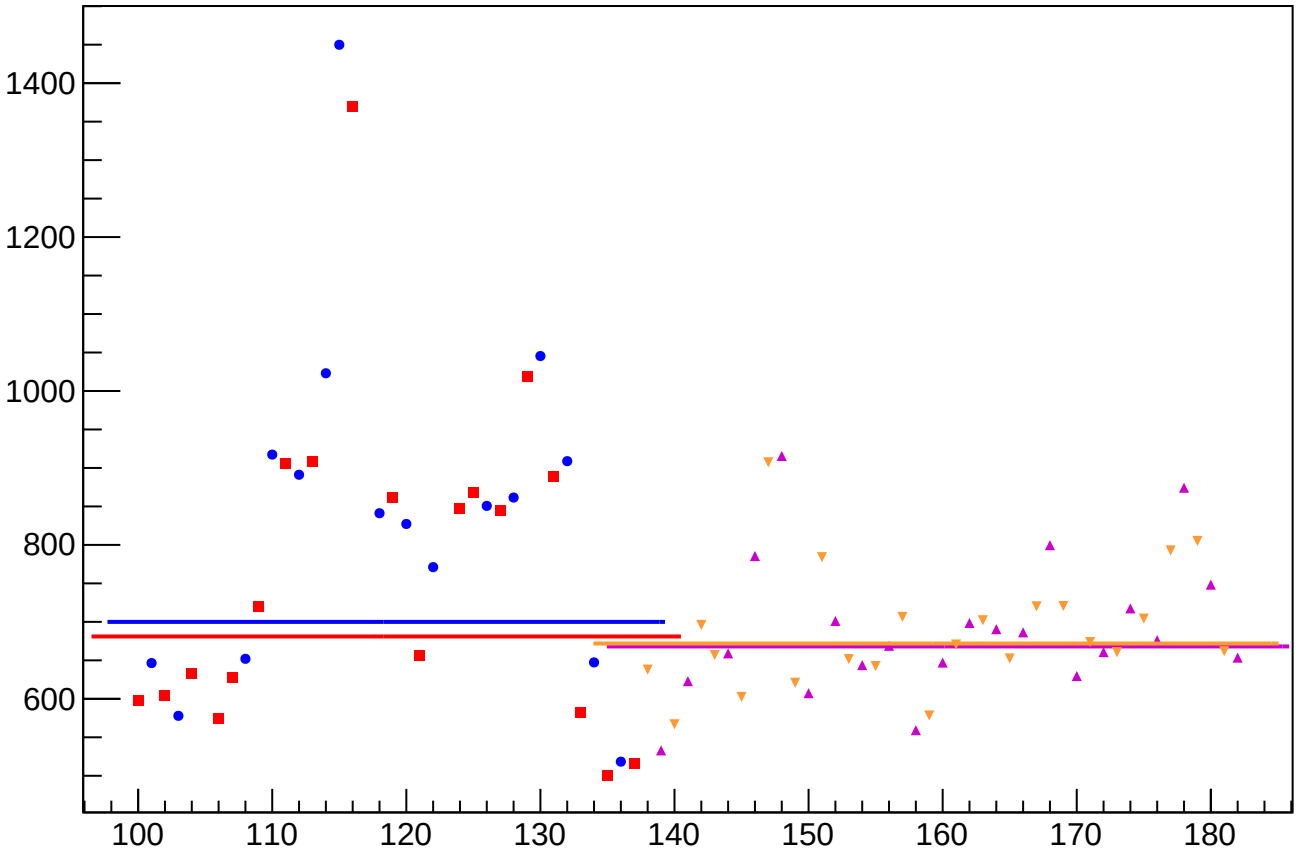
Left: 102.406+/-112.186 χ^2/NDF: 52.1/44

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -124.637+/-136.664 χ^2/NDF:43.1/37

Out: 60.252+/-134.755 χ^2/NDF:39.2/41

All: -30.893+/-95.954 χ^2/NDF: 83.2/79



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 671.872+/-0.112 χ^2/NDF:397014.1/22

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 668.071+/-0.112 χ^2/NDF:544643.7/21

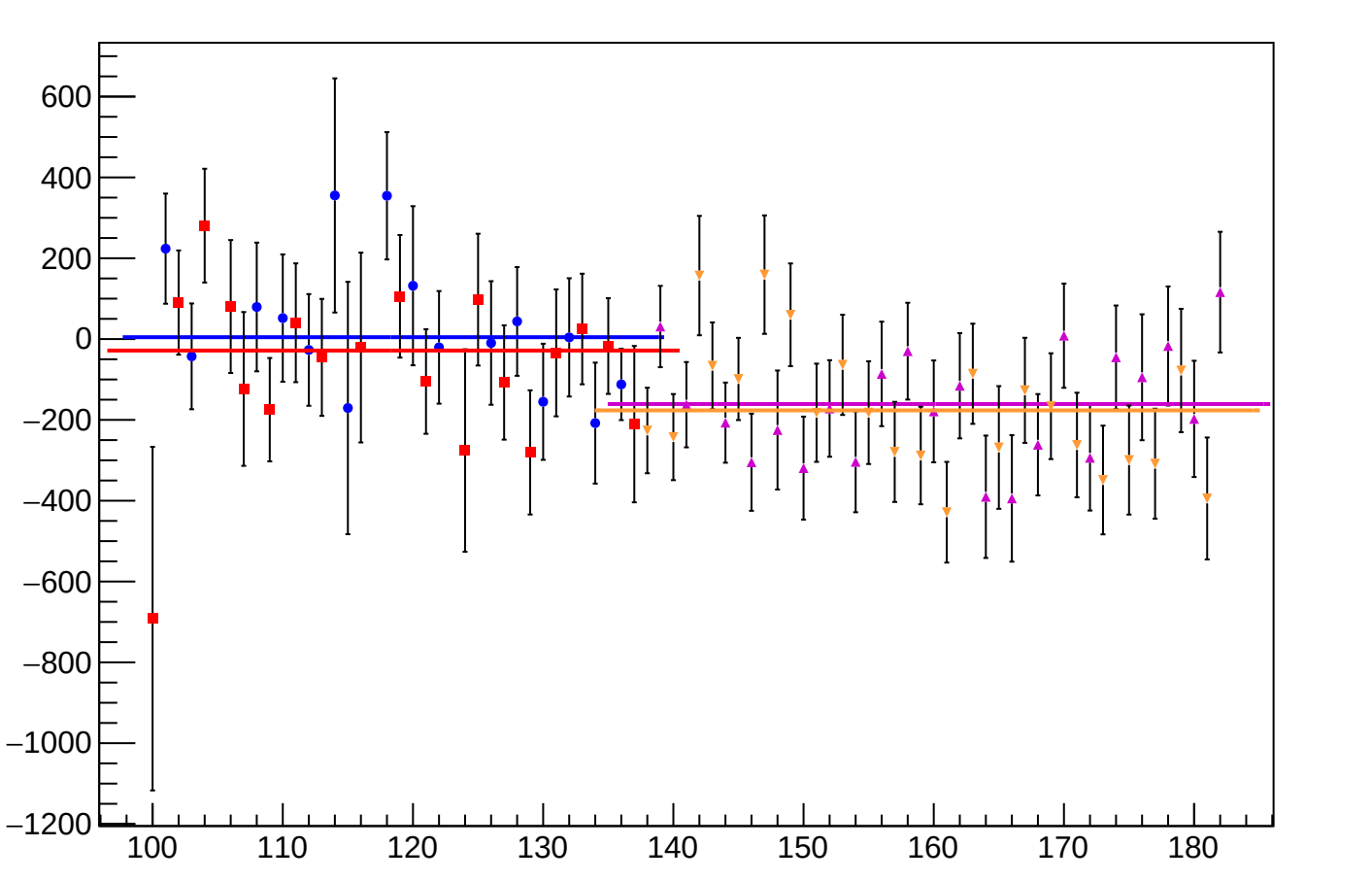
Left: 669.979+/-0.079 χ^2/NDF: 942231.9/44

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 676.397+/-0.097 χ^2/NDF:1319328.7/37

Out: 674.393+/-0.095 χ^2/NDF:1168250.3/41

All: 675.381+/-0.068 χ^2/NDF: 2487796.9/79



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -176.497+/-26.308 χ^2/NDF:29.9/22

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -160.754+/-27.106 χ^2/NDF:23.4/21

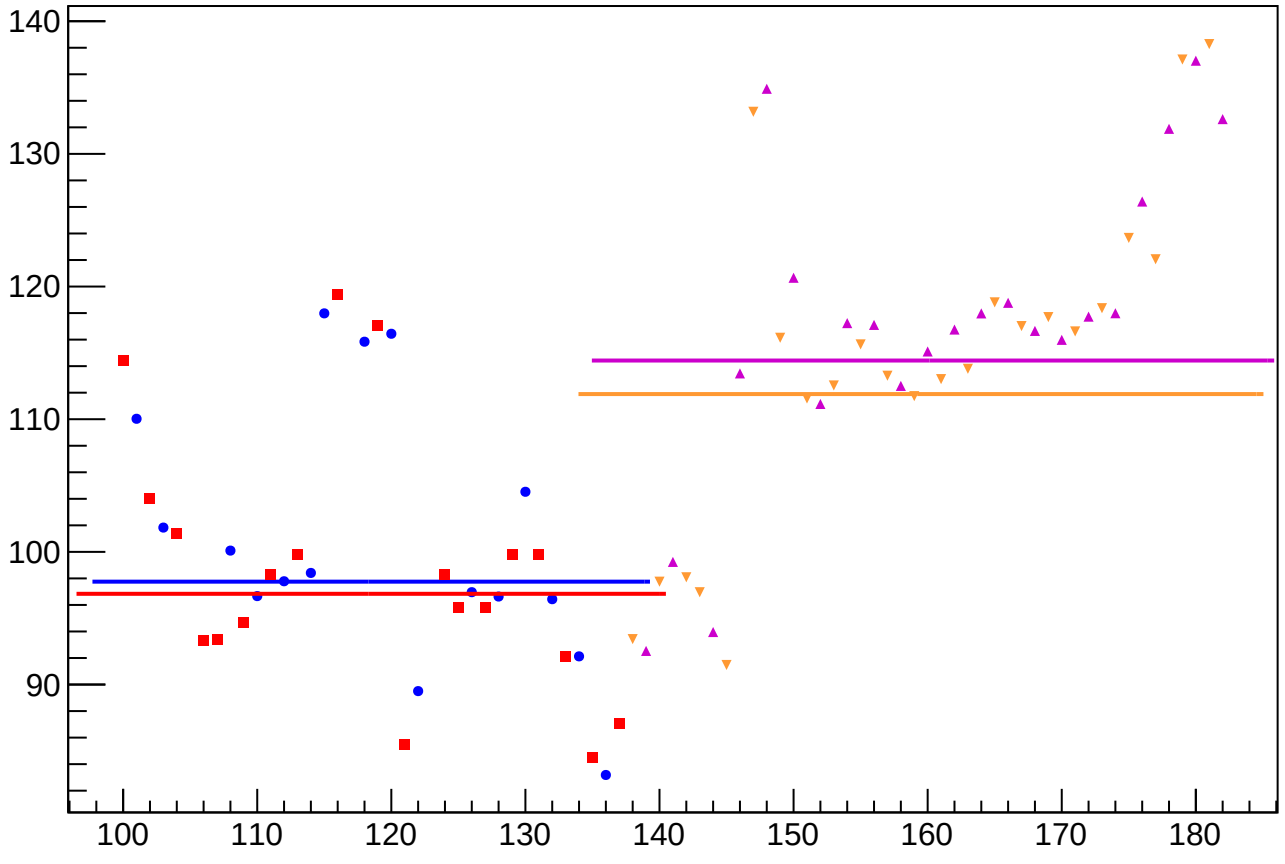
Left: -168.861+/-18.878 χ^2/NDF: 53.5/44

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -101.988+/-21.763 χ^2/NDF:52.0/37

Out: -123.933+/-21.129 χ^2/NDF:58.3/41

All: -113.285+/-15.160 χ^2/NDF: 110.8/79



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 111.895+/-0.019 χ^2/NDF:440697.8/22

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 114.424+/-0.019 χ^2/NDF:394899.3/21

Left: 113.122+/-0.013 χ^2/NDF: 844557.0/44

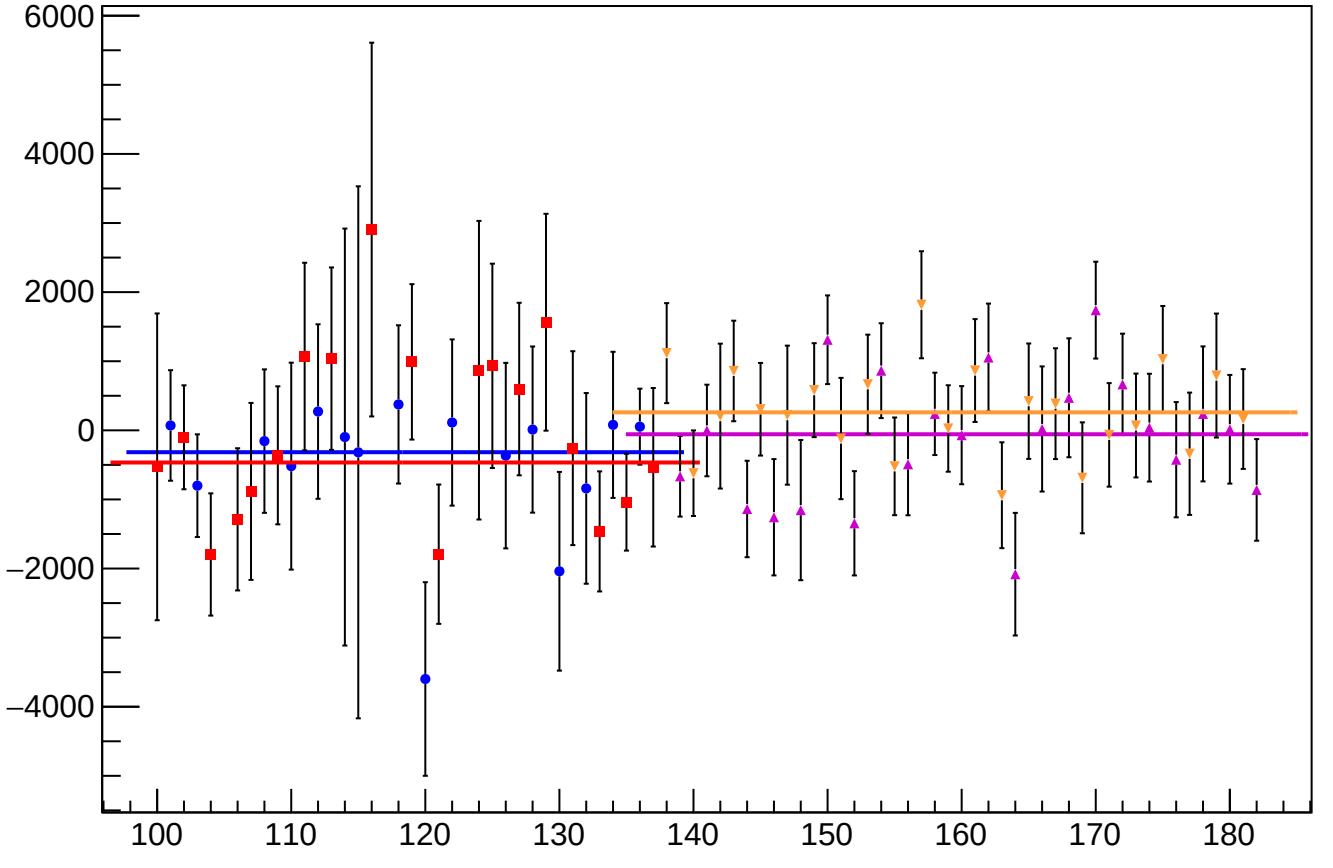
Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 108.501+/-0.015 χ^2/NDF:804285.8/37

Out: 106.551+/-0.015 χ^2/NDF:788384.1/41

All: 107.497+/-0.011 χ^2/NDF: 1600930.4/79

asym_sam_15_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 260.395+/-158.337 χ^2/NDF:16.9/22

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -56.857+/-158.974 χ^2/NDF:33.2/21

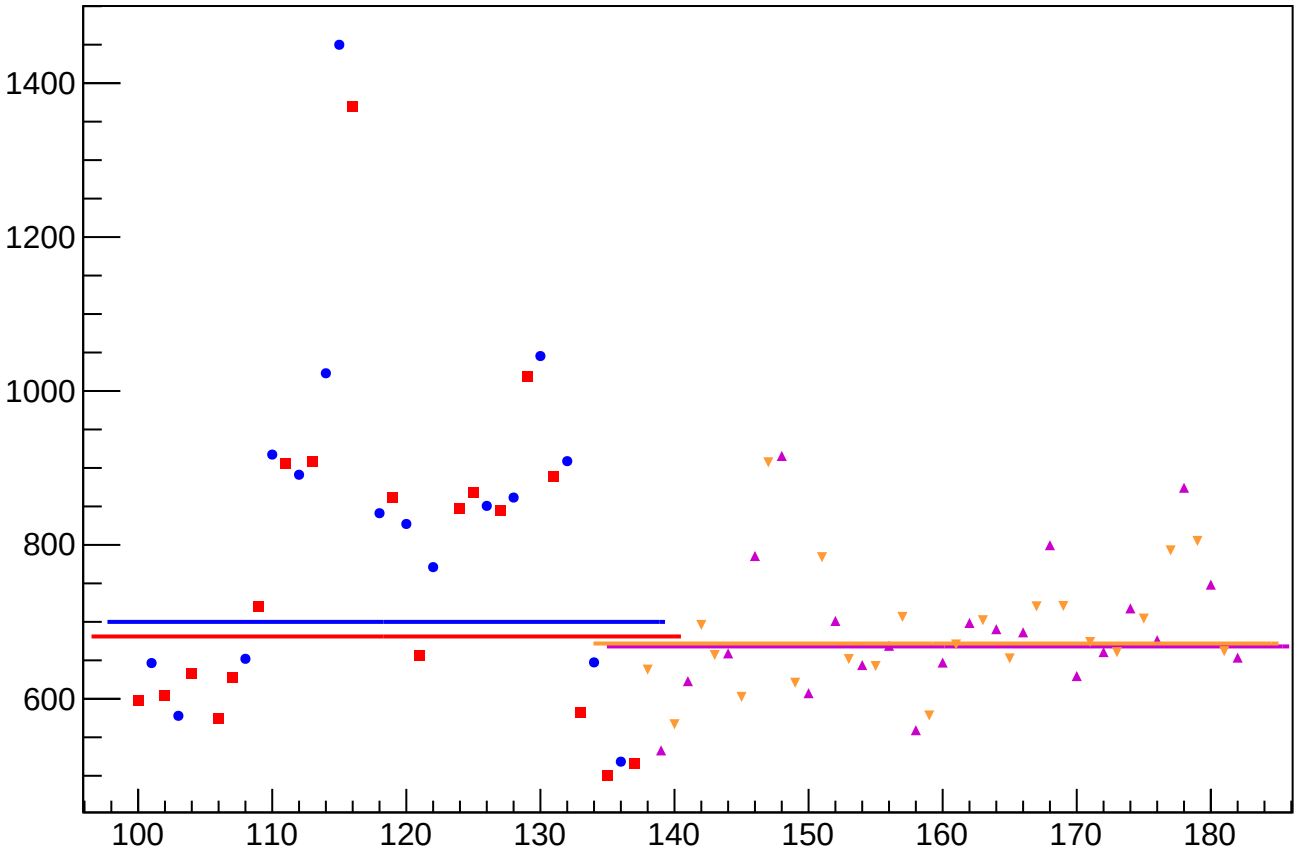
Left: 102.406+/-112.186 χ^2/NDF: 52.1/44

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -124.637+/-136.664 χ^2/NDF:43.1/37

Out: 60.251+/-134.755 χ^2/NDF:39.2/41

All: -30.893+/-95.954 χ^2/NDF: 83.2/79



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 671.873+/-0.112 χ^2/NDF:397014.4/22

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 668.071+/-0.112 χ^2/NDF:544645.8/21

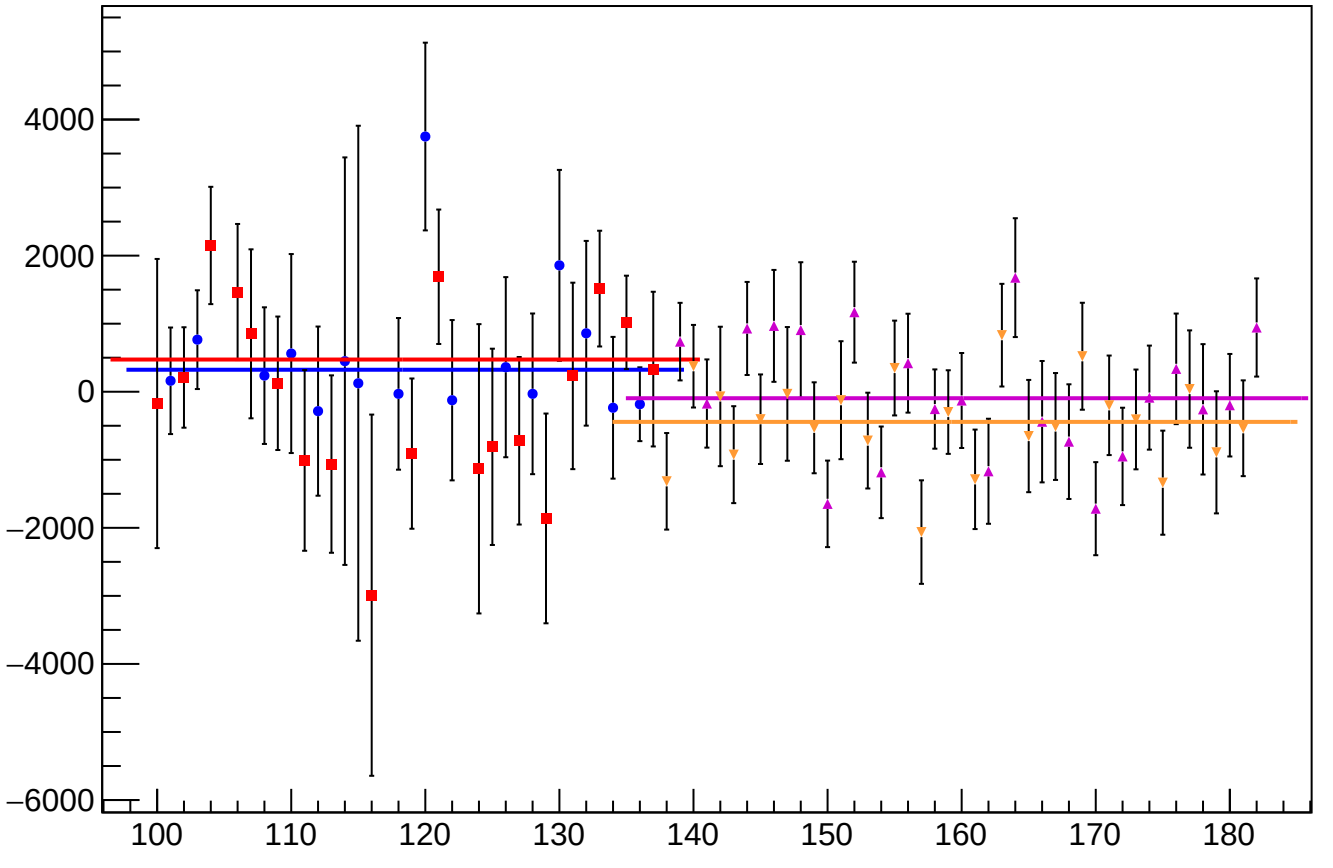
Left: 669.980+/-0.079 χ^2/NDF: 942234.3/44

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 676.397+/-0.097 χ^2/NDF:1319330.9/37

Out: 674.393+/-0.095 χ^2/NDF:1168252.9/41

All: 675.381+/-0.068 χ^2/NDF: 2487801.7/79



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -442.972+/-155.452 χ^2/NDF:18.1/22

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: -95.349+/-155.747 χ^2/NDF:35.4/21

Left: -269.490+/-110.025 χ^2/NDF: 56.0/44

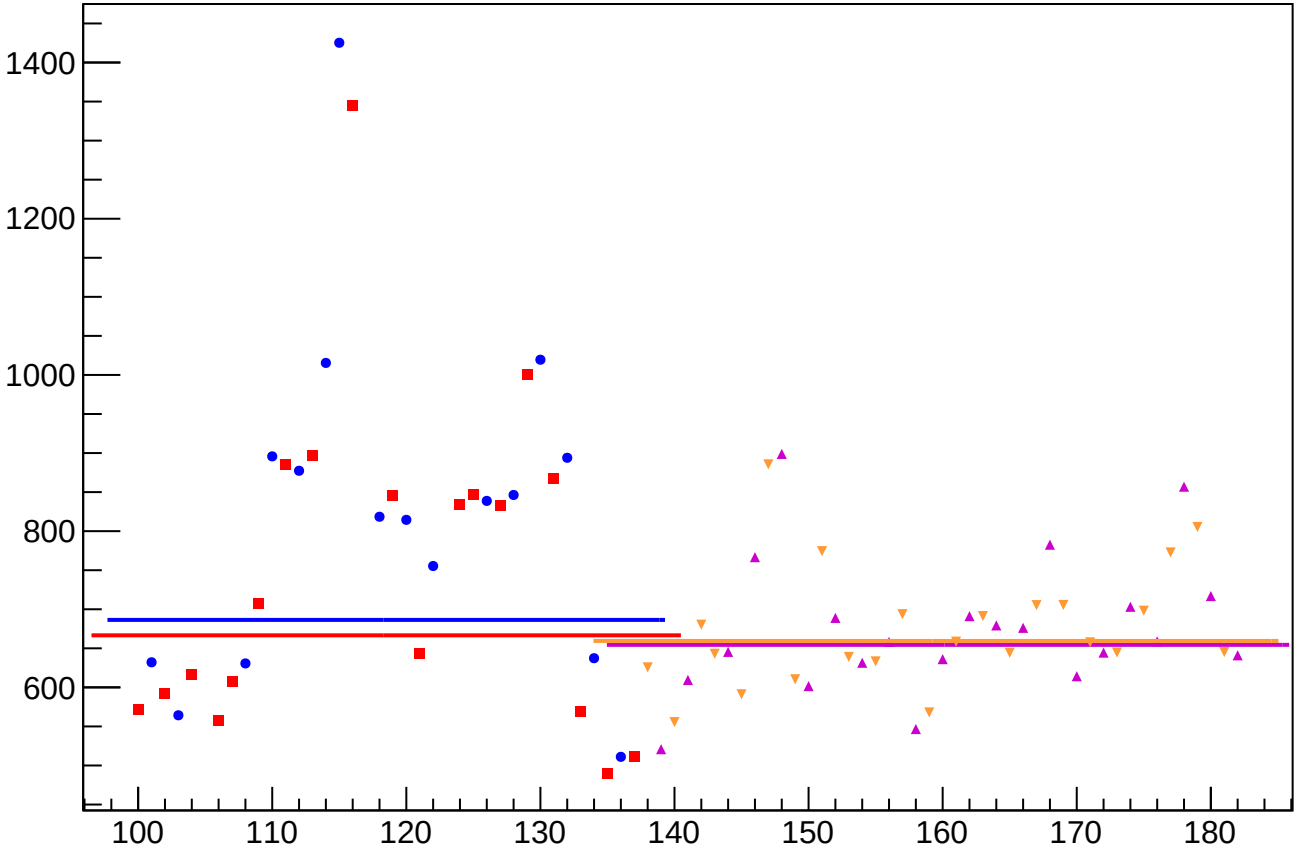
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 13.732+/-133.922 χ^2/NDF:47.0/37

Out: -189.453+/-132.207 χ^2/NDF:47.1/41

All: -89.171+/-94.085 χ^2/NDF: 95.3/79

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 659.455+/-0.110 χ^2/NDF:403566.2/22

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 654.457+/-0.110 χ^2/NDF:540902.8/21

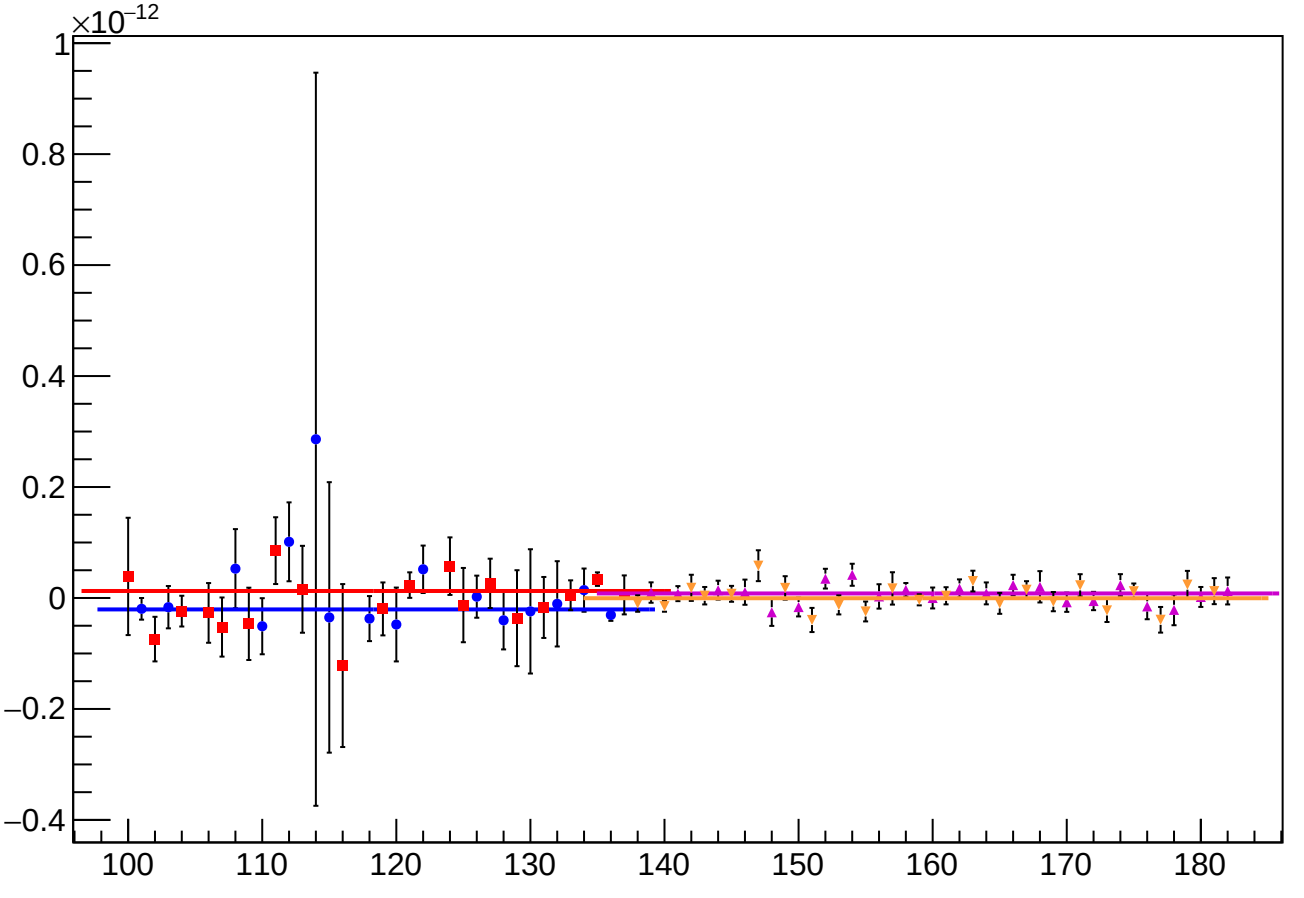
Left: 656.961+/-0.078 χ^2/NDF: 945500.5/44

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 662.781+/-0.095 χ^2/NDF:1312274.7/37

Out: 661.441+/-0.093 χ^2/NDF:1181780.4/41

All: 662.102+/-0.067 χ^2/NDF: 2494156.4/79



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.3/21

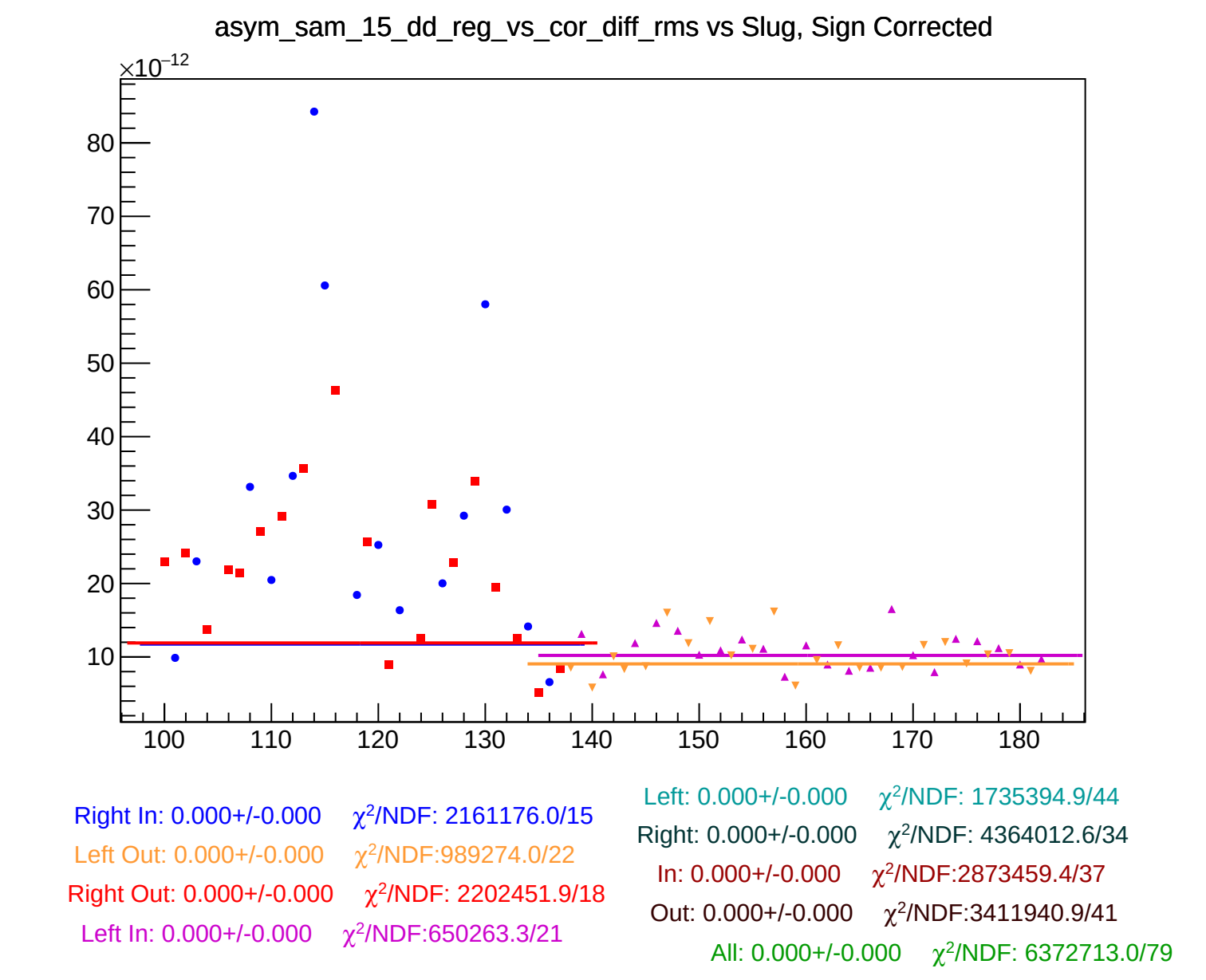
Left: 0.000+/-0.000 χ^2/NDF: 44.2/44

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:36.1/37

Out: 0.000+/-0.000 χ^2/NDF:45.5/41

All: 0.000+/-0.000 χ^2/NDF: 81.7/79


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
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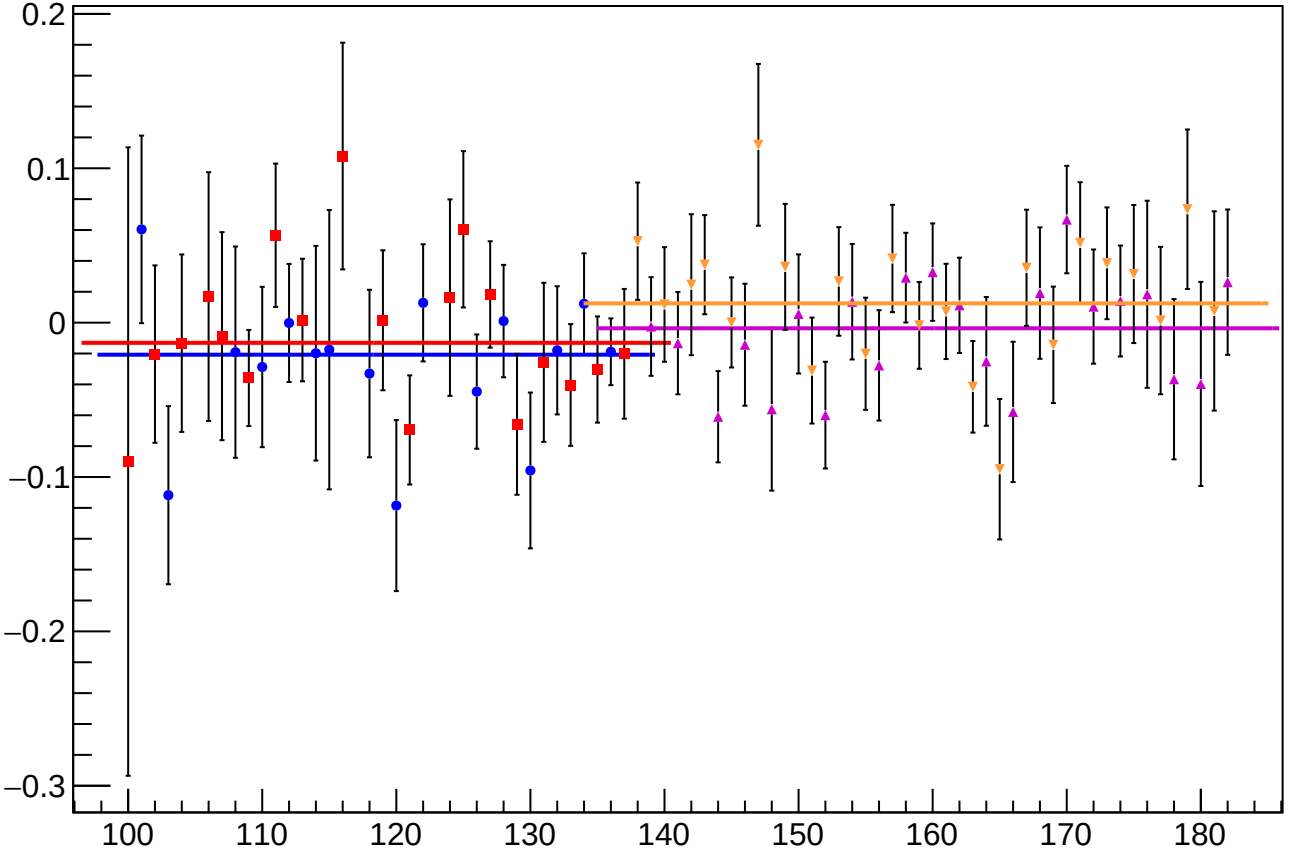
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:989274.0/22
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:650263.3/21
Left: 0.000+/-0.000 χ²/NDF: 1735394.9/44
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2873459.4/37
Out: 0.000+/-0.000 χ²/NDF:3411940.9/41
All: 0.000+/-0.000 χ²/NDF: 6372713.0/79



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/22

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:18.8/21

Left: 0.005+/-0.006 χ^2/NDF: 43.5/44

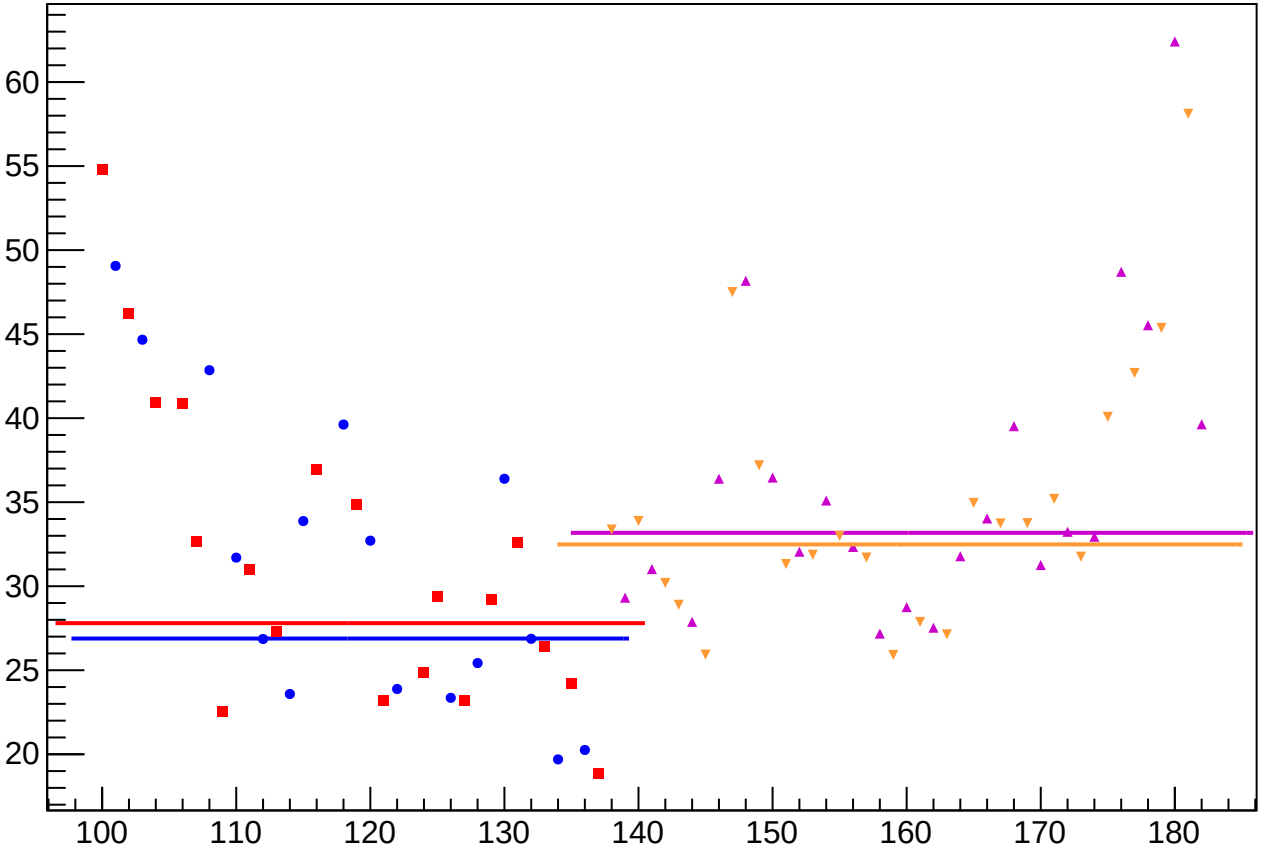
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:33.0/37

Out: 0.003+/-0.006 χ^2/NDF:40.4/41

All: -0.003+/-0.004 χ^2/NDF: 75.6/79

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.487+/-0.005 χ^2/NDF:1158694.4/22

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 33.176+/-0.006 χ^2/NDF:1217847.8/21

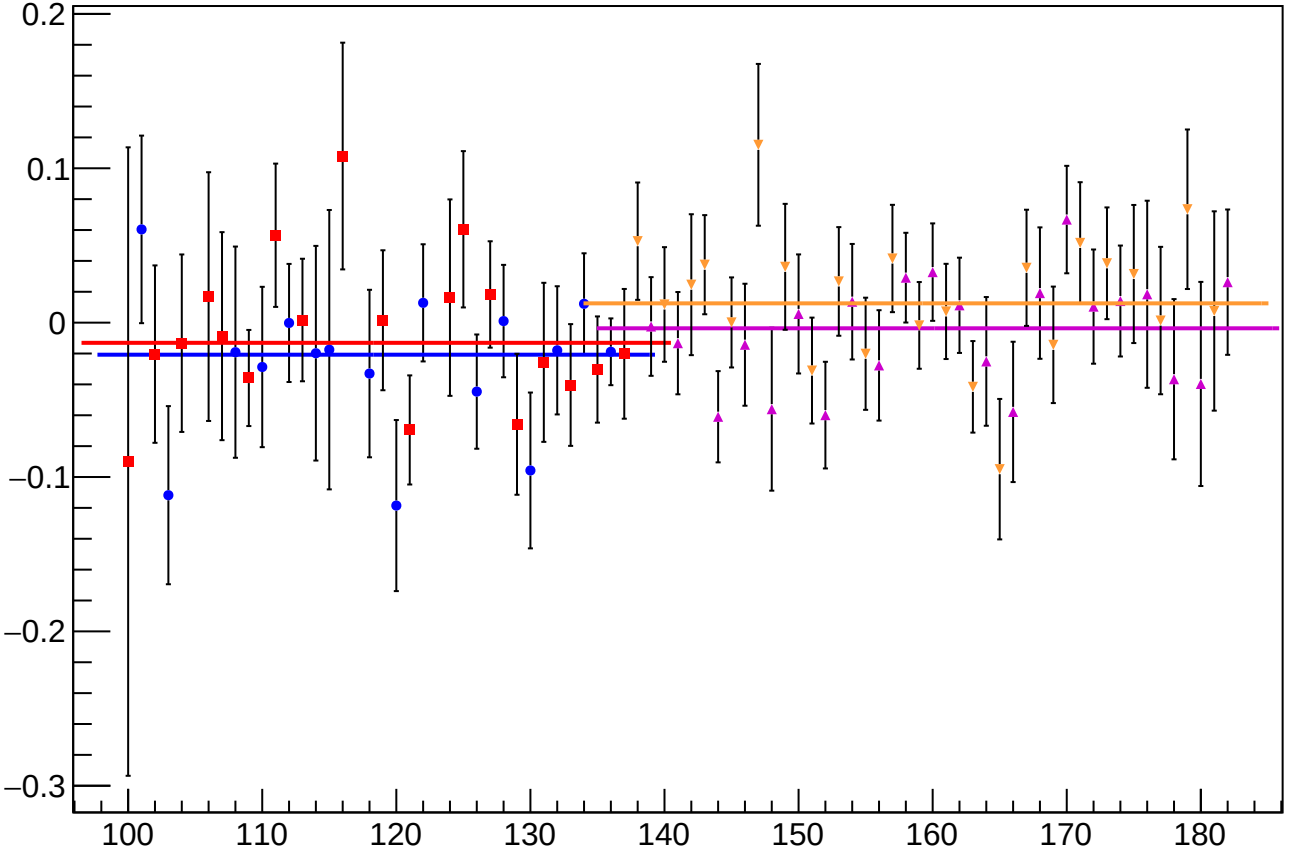
Left: 32.821+/-0.004 χ^2/NDF: 2384148.6/44

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 30.861+/-0.005 χ^2/NDF:2791169.2/37

Out: 30.838+/-0.004 χ^2/NDF:2177811.5/41

All: 30.849+/-0.003 χ^2/NDF: 4968993.6/79



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/22

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:18.8/21

Left: 0.005+/-0.006 χ^2/NDF: 43.5/44

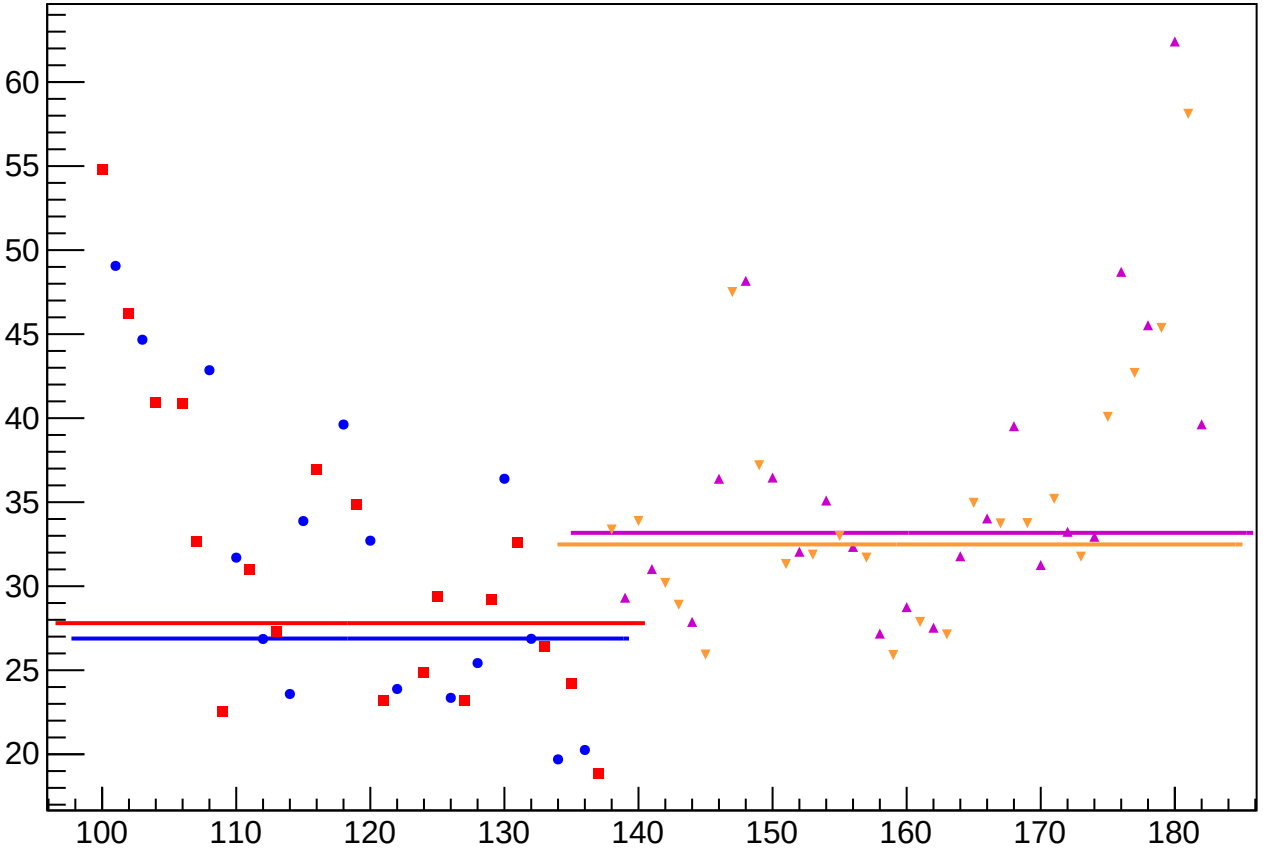
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:33.0/37

Out: 0.003+/-0.006 χ^2/NDF:40.4/41

All: -0.003+/-0.004 χ^2/NDF: 75.6/79

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.487+/-0.005 χ^2/NDF:1158694.4/22

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 33.176+/-0.006 χ^2/NDF:1217847.8/21

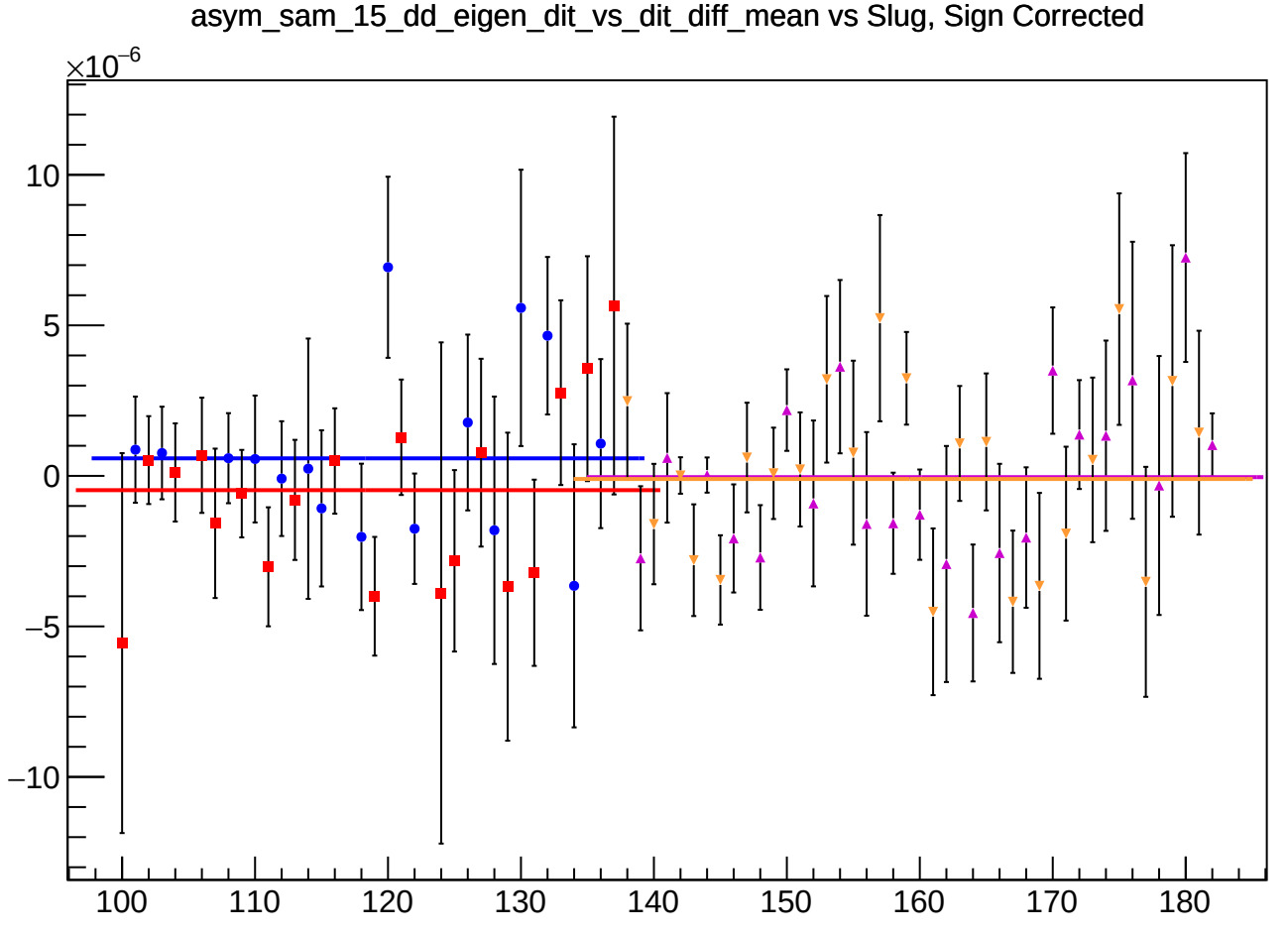
Left: 32.821+/-0.004 χ^2/NDF: 2384148.6/44

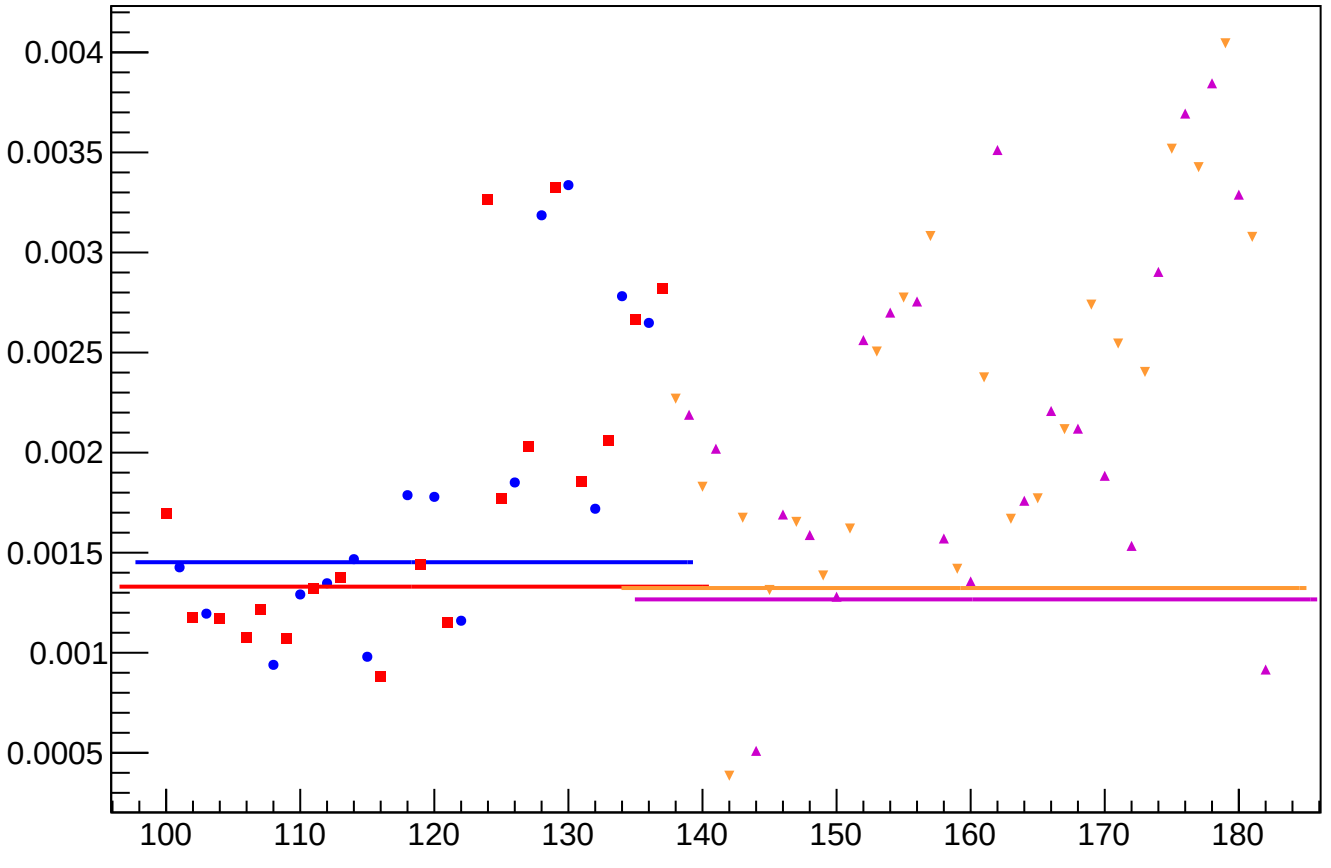
Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 30.861+/-0.005 χ^2/NDF:2791169.2/37

Out: 30.838+/-0.004 χ^2/NDF:2177811.5/41

All: 30.849+/-0.003 χ^2/NDF: 4968993.6/79


asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−6
10
5
0
−5
−10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 12.7/15
Left Out: -0.000+/-0.000 χ²/NDF:29.3/22
Right Out: -0.000+/-0.000 χ²/NDF: 13.2/18
Left In: -0.000+/-0.000 χ²/NDF:26.8/21
Left: -0.000+/-0.000 χ²/NDF: 56.1/44
Right: -0.000+/-0.000 χ²/NDF: 27.8/34
In: 0.000+/-0.000 χ²/NDF:40.3/37
Out: -0.000+/-0.000 χ²/NDF:42.9/41
All: -0.000+/-0.000 χ²/NDF: 83.9/79



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:11006809.0/22

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.001+/-0.000 χ^2/NDF:9717408.9/21

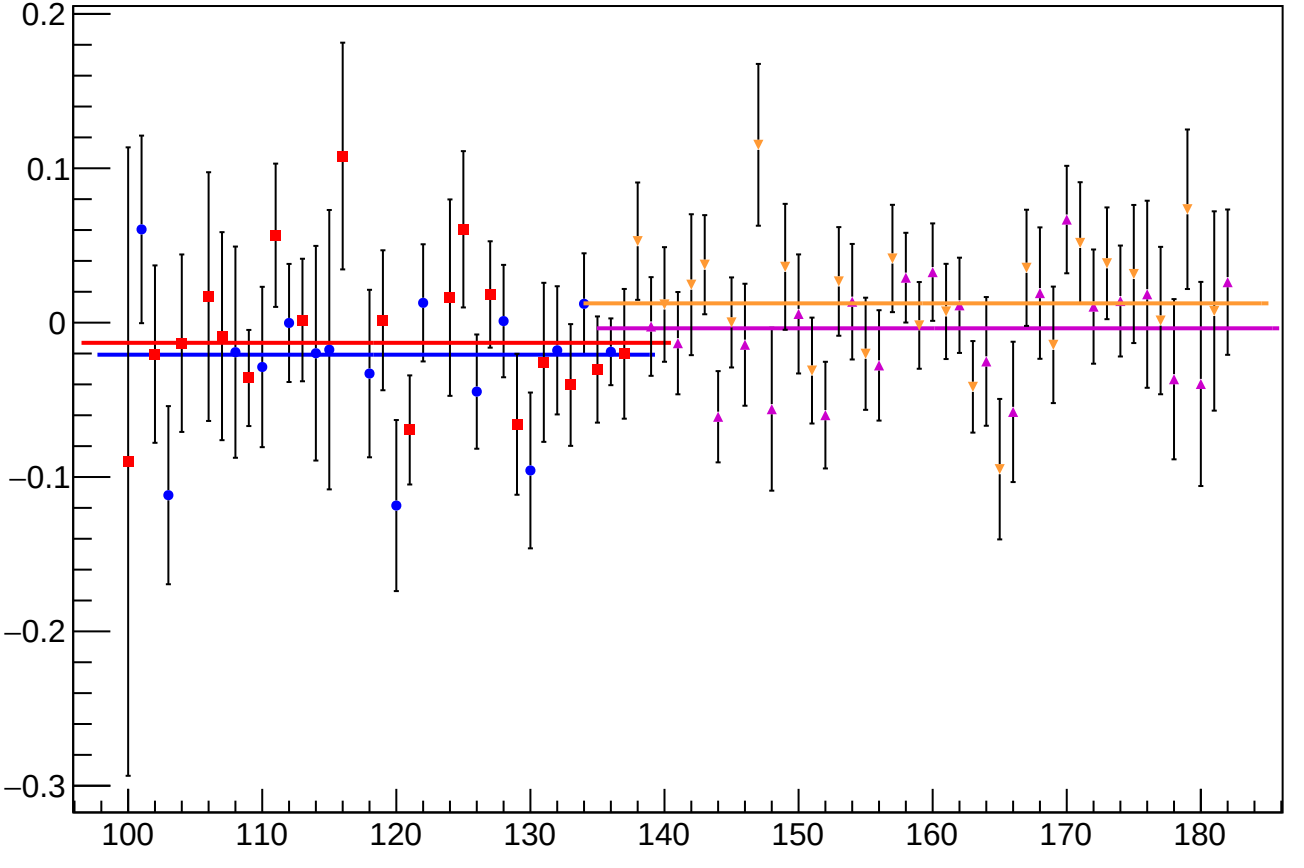
Left: 0.001+/-0.000 χ^2/NDF: 20748315.7/44

Right: 0.001+/-0.000 χ^2/NDF: 3162860.5/34

In: 0.001+/-0.000 χ^2/NDF:11578431.7/37

Out: 0.001+/-0.000 χ^2/NDF:12409860.5/41

All: 0.001+/-0.000 χ^2/NDF: 23989022.9/79



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/22

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:18.8/21

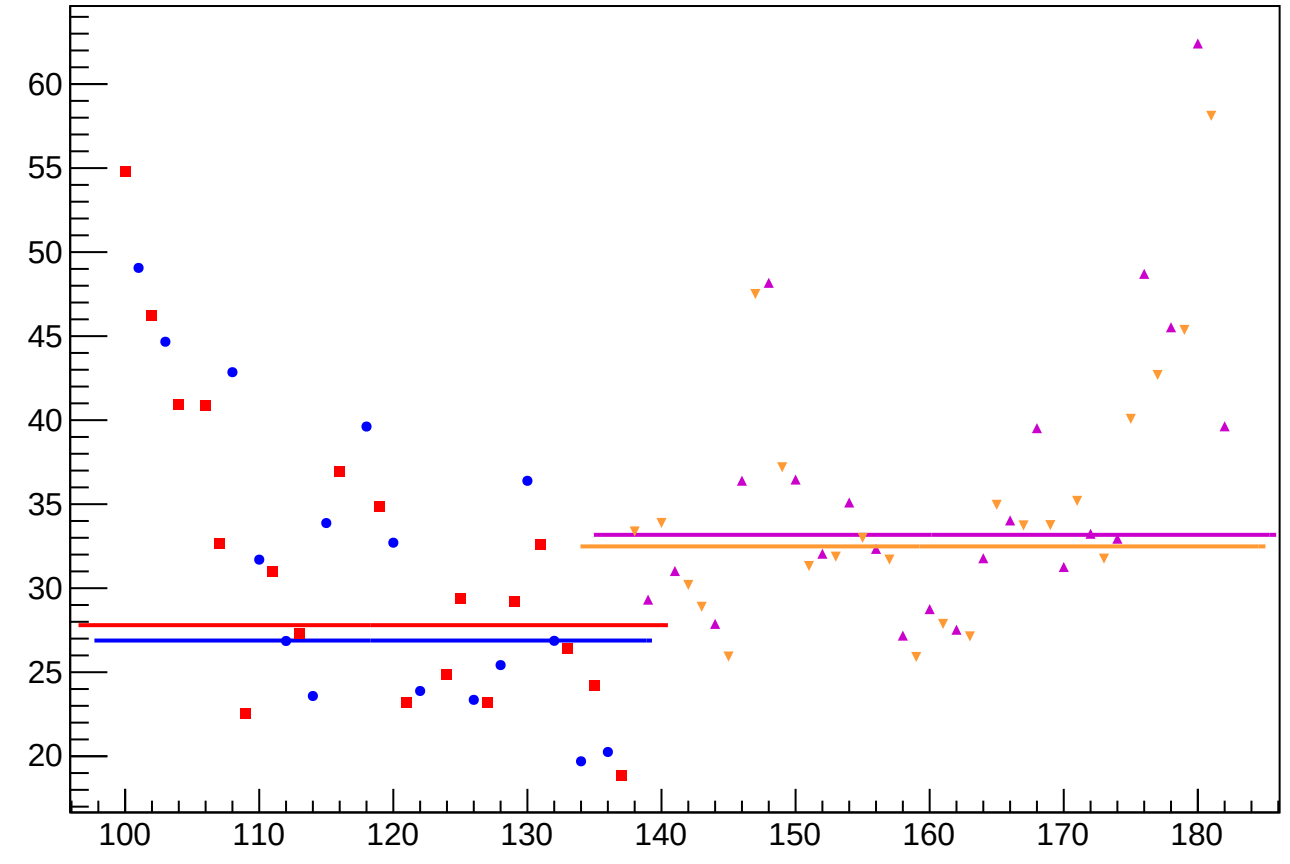
Left: 0.005+/-0.006 χ^2/NDF: 43.5/44

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:33.0/37

Out: 0.003+/-0.006 χ^2/NDF:40.4/41

All: -0.003+/-0.004 χ^2/NDF: 75.6/79



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.487+/-0.005 χ^2/NDF:1158761.7/22

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 33.176+/-0.006 χ^2/NDF:1217917.0/21

Left: 32.821+/-0.004 χ^2/NDF: 2384287.3/44

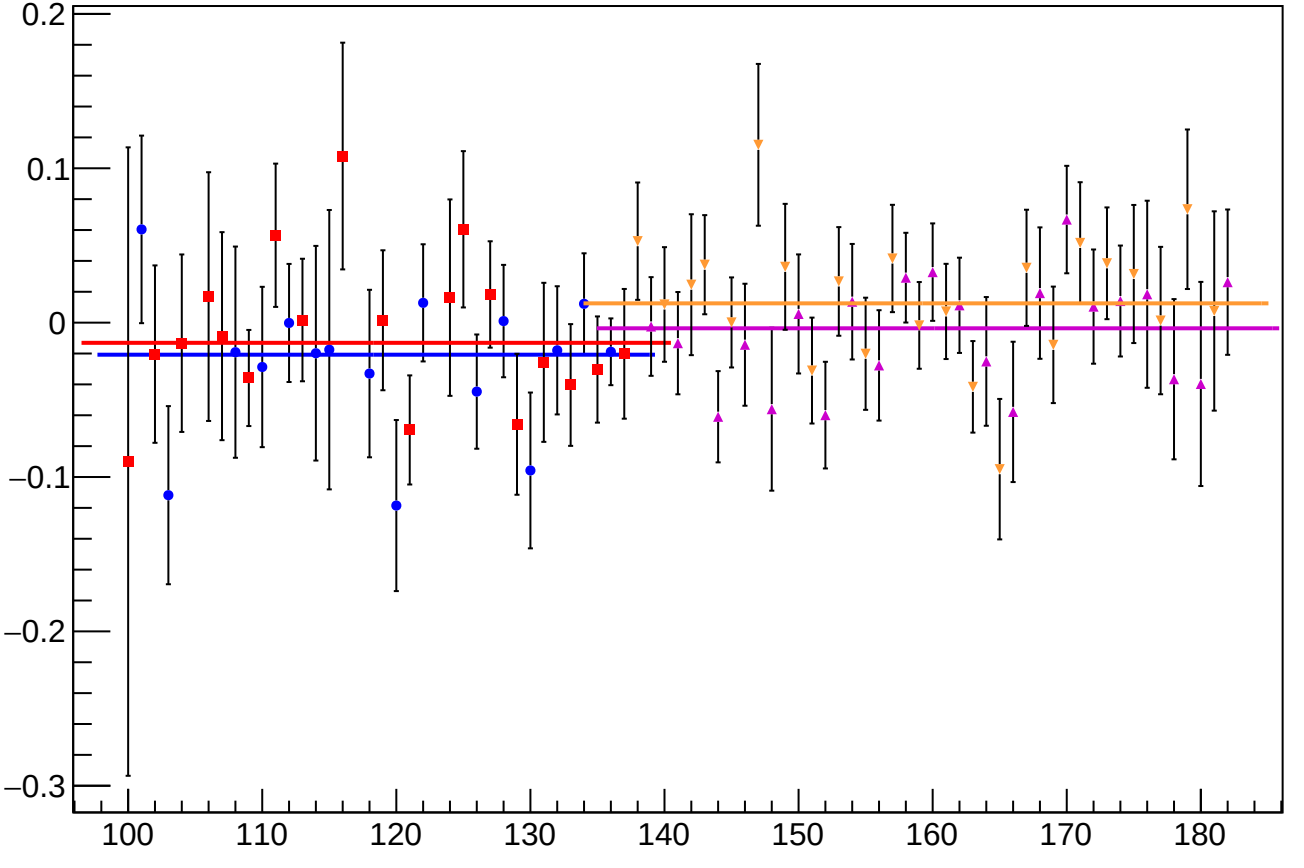
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 30.860+/-0.005 χ^2/NDF:2791395.1/37

Out: 30.837+/-0.004 χ^2/NDF:2178140.5/41

All: 30.849+/-0.003 χ^2/NDF: 4969548.7/79

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: 0.013+/-0.008 χ^2/NDF:22.6/22

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:18.8/21

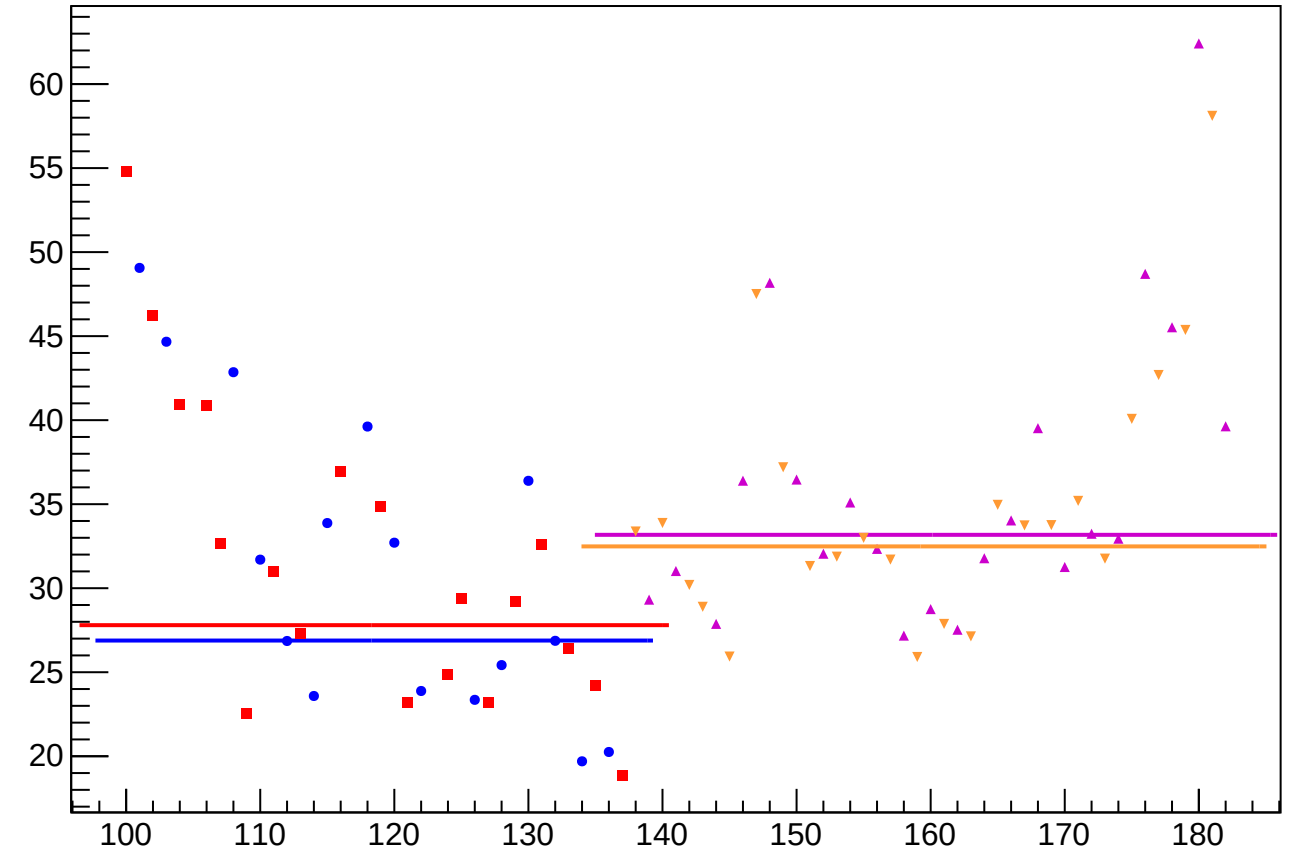
Left: 0.005+/-0.006 χ^2/NDF: 43.5/44

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:33.0/37

Out: 0.003+/-0.006 χ^2/NDF:40.4/41

All: -0.003+/-0.004 χ^2/NDF: 75.6/79



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.487+/-0.005 χ^2/NDF:1158761.7/22

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 33.176+/-0.006 χ^2/NDF:1217917.0/21

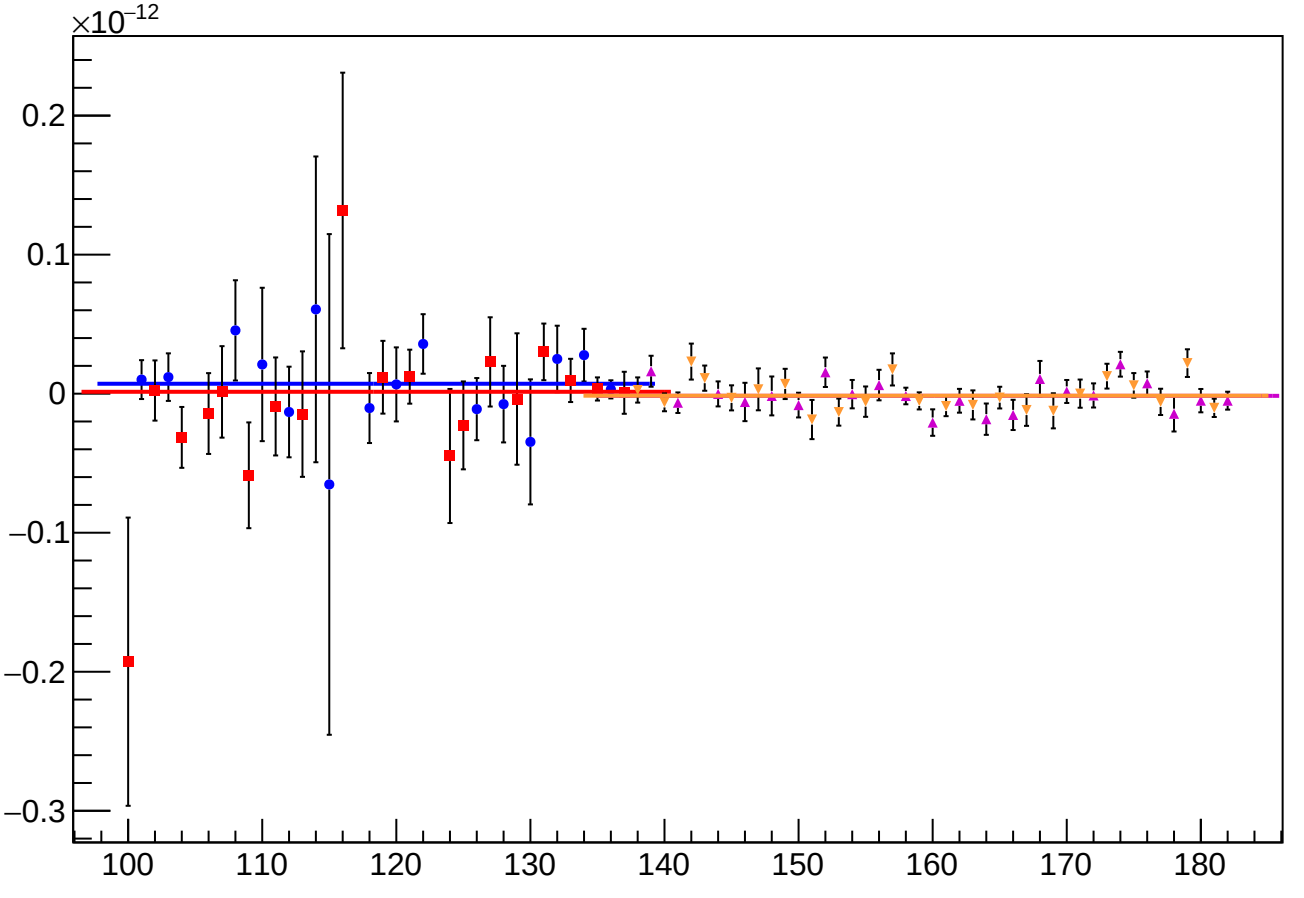
Left: 32.821+/-0.004 χ^2/NDF: 2384287.3/44

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 30.860+/-0.005 χ^2/NDF:2791395.1/37

Out: 30.837+/-0.004 χ^2/NDF:2178140.5/41

All: 30.849+/-0.003 χ^2/NDF: 4969548.7/79



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:24.9/21

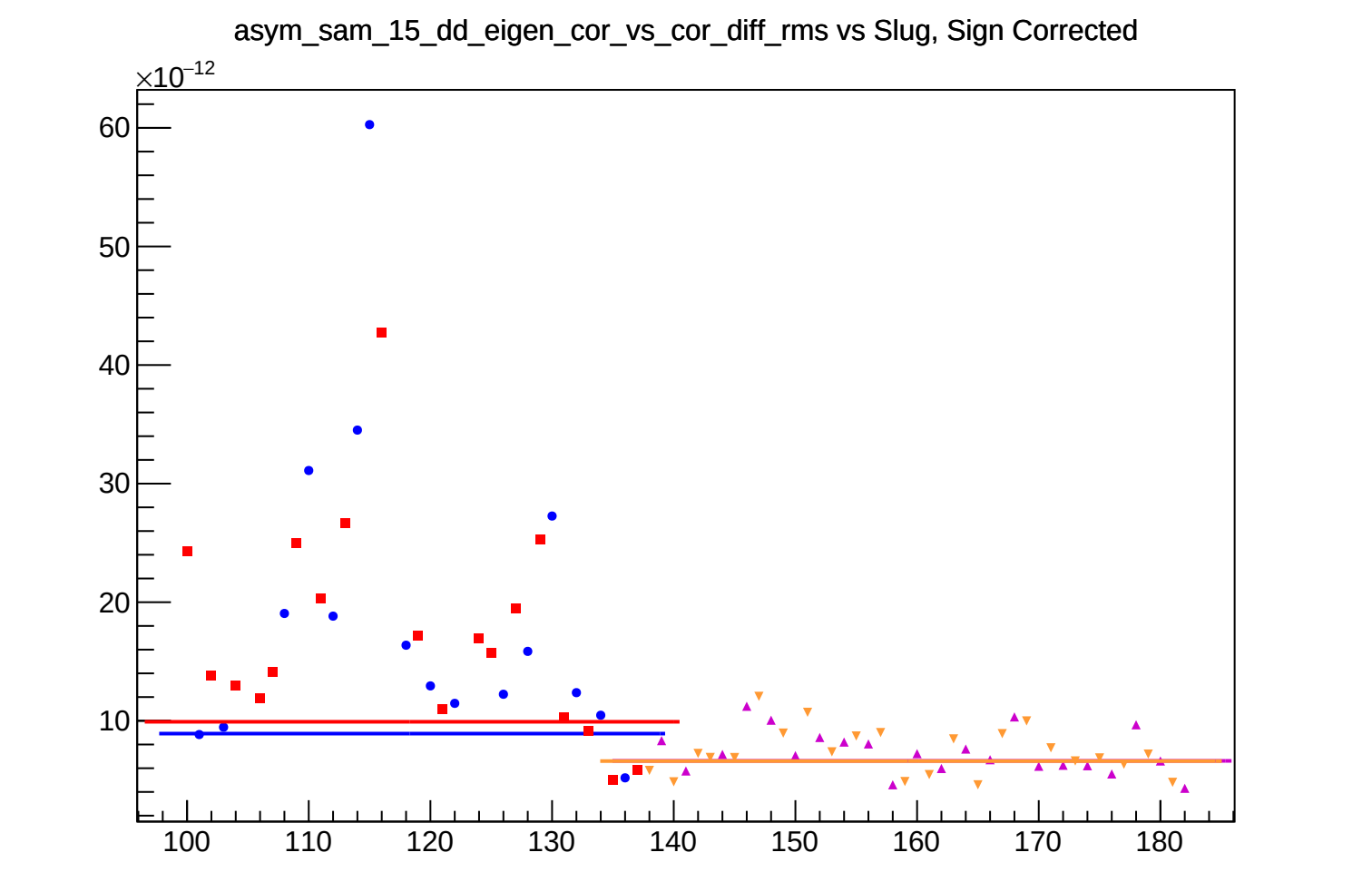
Left: -0.000+/-0.000 χ^2/NDF: 51.9/44

Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: -0.000+/-0.000 χ^2/NDF:36.3/37

Out: -0.000+/-0.000 χ^2/NDF:42.4/41

All: -0.000+/-0.000 χ^2/NDF: 78.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1686522.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1427103.8/21

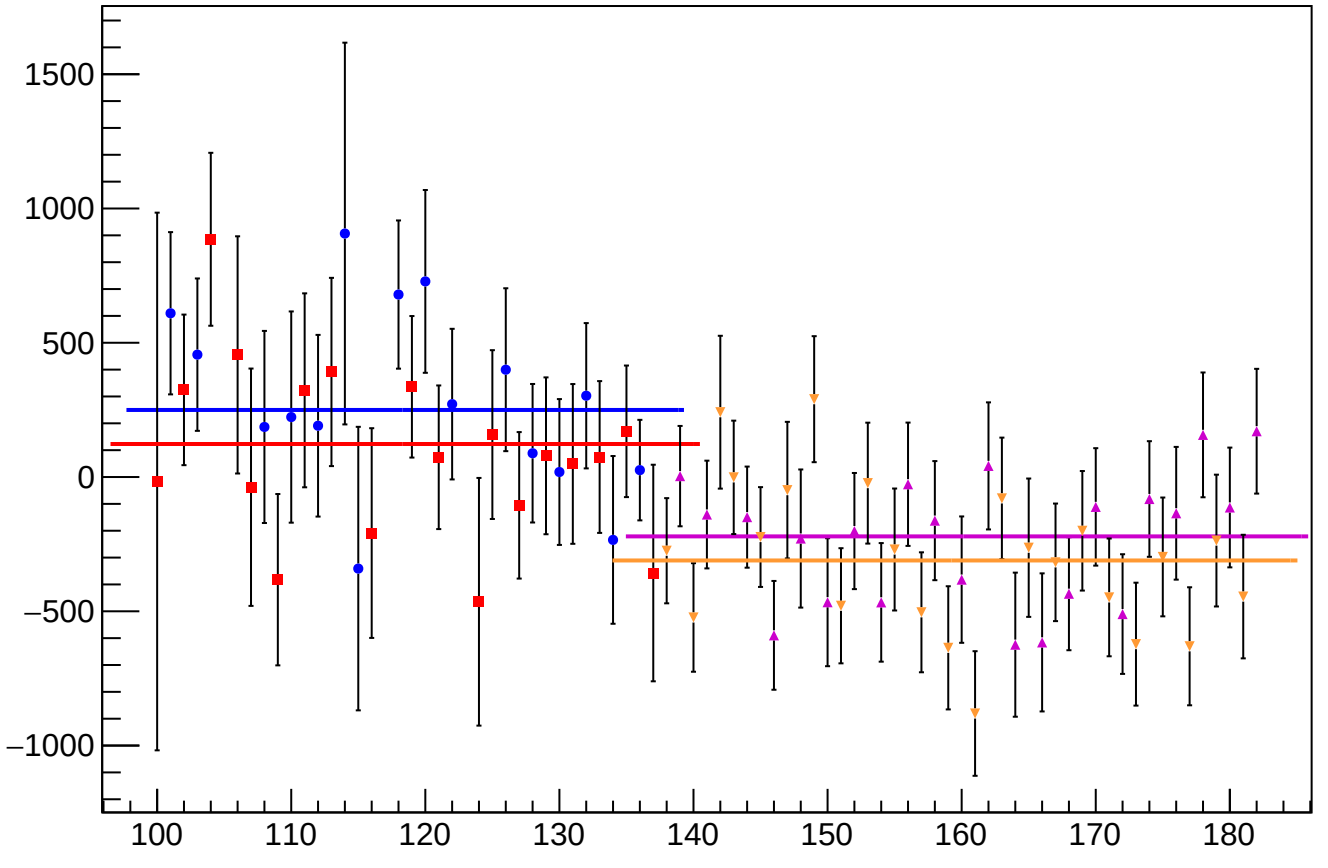
Left: 0.000+/-0.000 χ^2/NDF: 3113705.3/44

Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:4256978.9/37

Out: 0.000+/-0.000 χ^2/NDF:5137474.4/41

All: 0.000+/-0.000 χ^2/NDF: 9395455.4/79



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -310.710+/-46.697 χ^2/NDF:32.1/22

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -221.046+/-47.474 χ^2/NDF:23.7/21

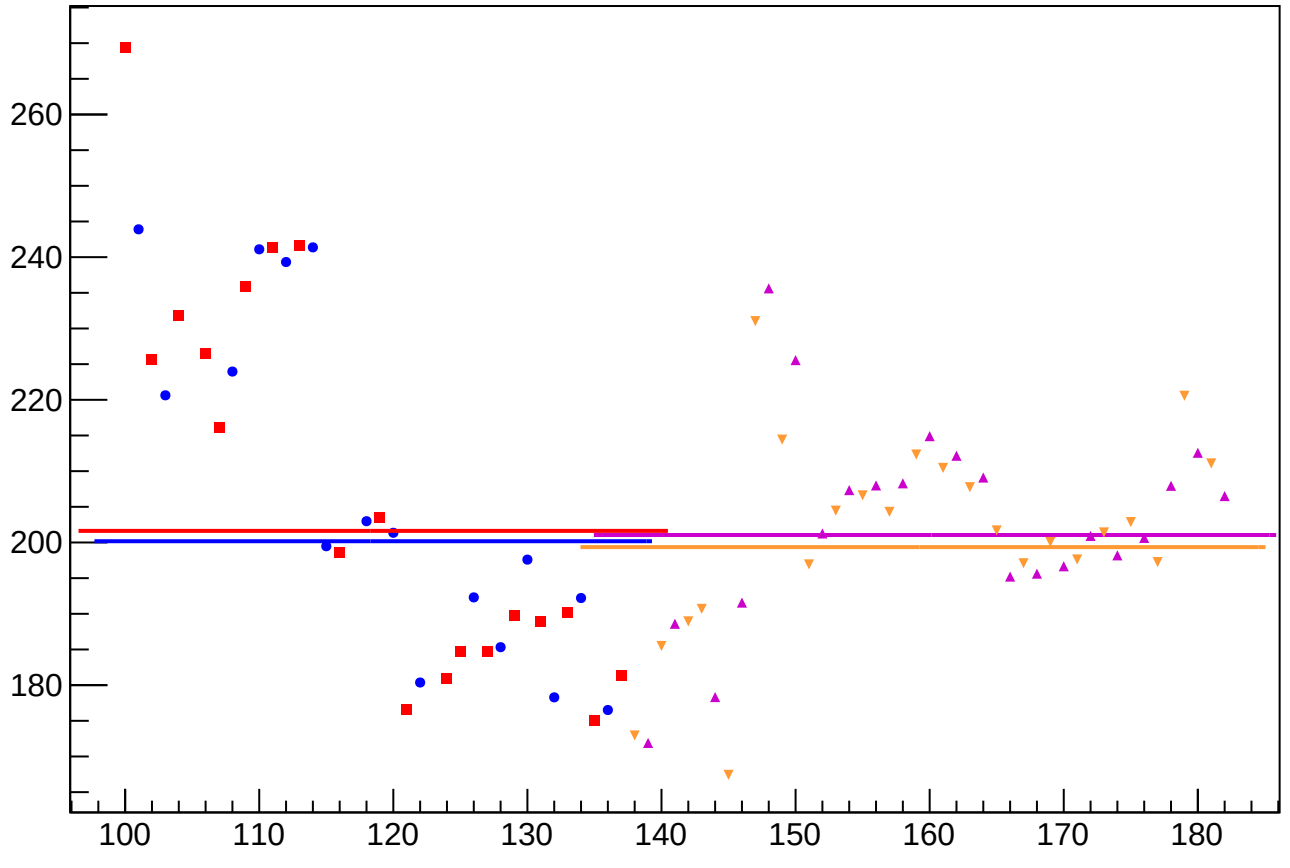
Left: -266.617+/-33.291 χ^2/NDF: 57.6/44

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -86.054+/-40.094 χ^2/NDF:65.7/37

Out: -188.068+/-39.548 χ^2/NDF:72.0/41

All: -137.761+/-28.156 χ^2/NDF: 141.0/79



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 199.353+/-0.033 χ^2/NDF:189683.0/22

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 201.049+/-0.034 χ^2/NDF:177659.8/21

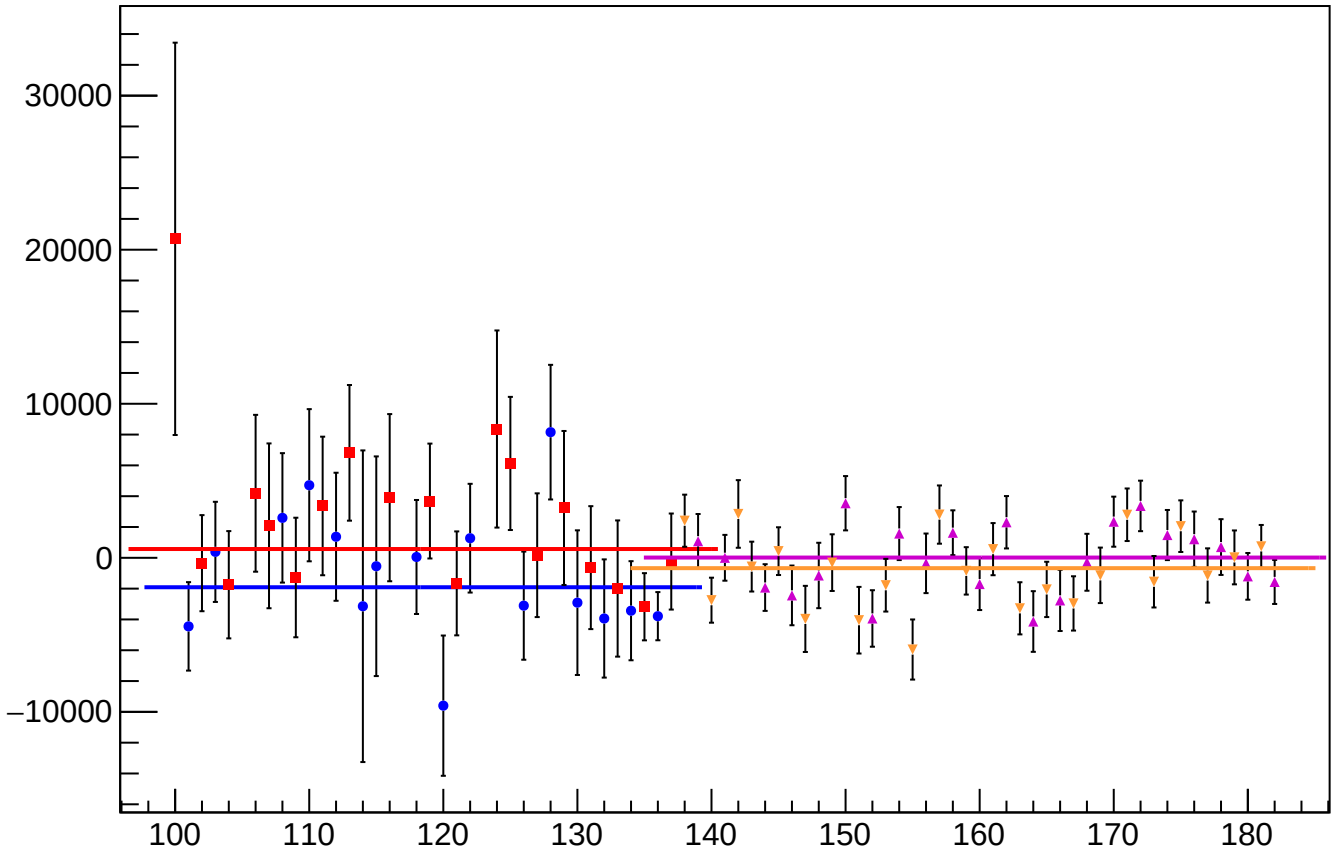
Left: 200.187+/-0.024 χ^2/NDF: 368640.1/44

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 200.799+/-0.028 χ^2/NDF:358854.5/37

Out: 199.996+/-0.028 χ^2/NDF:388270.4/41

All: 200.392+/-0.020 χ^2/NDF: 747531.3/79



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -671.850+/-359.880 χ^2/NDF:38.0/22

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: 16.525+/-363.650 χ^2/NDF:33.4/21

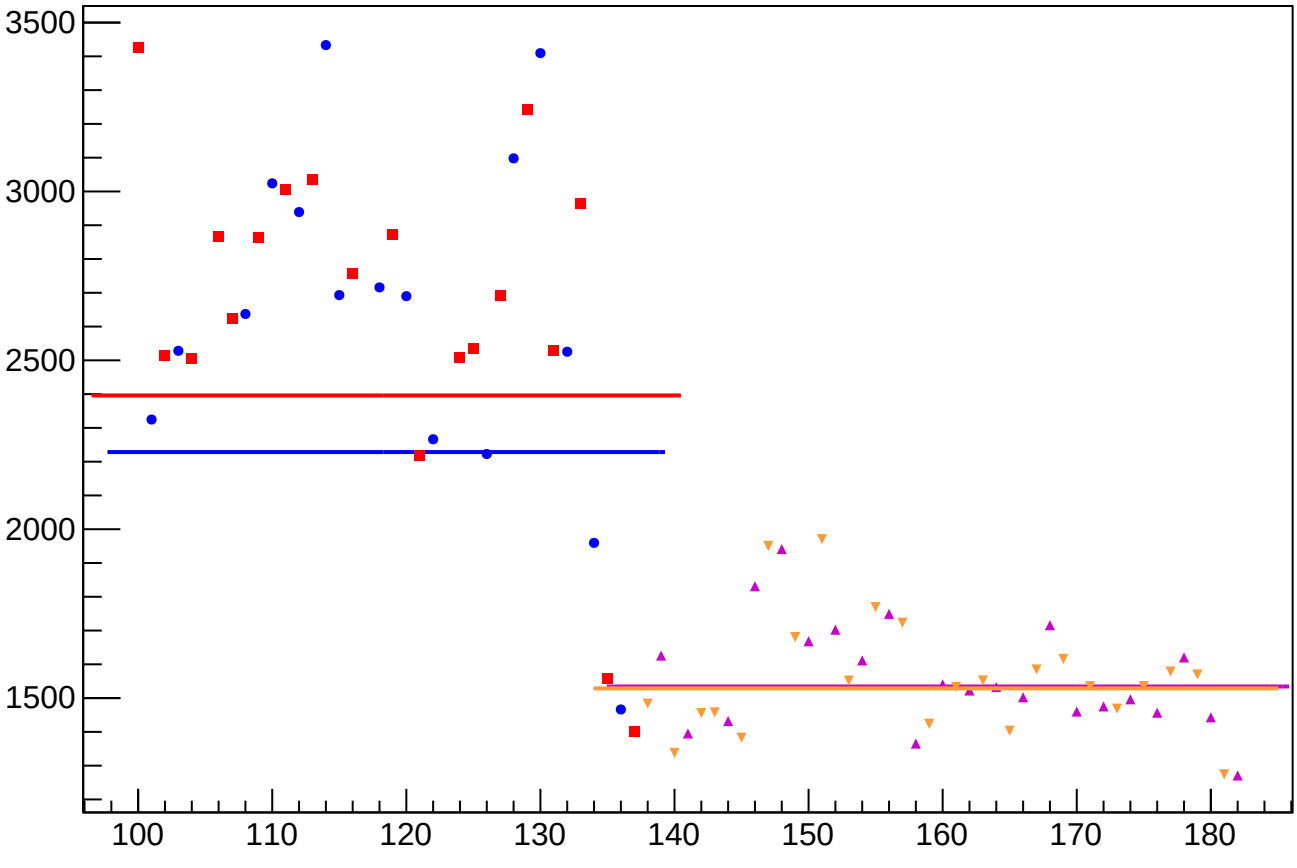
Left: -331.249+/-255.796 χ^2/NDF: 73.2/44

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -276.271+/-334.883 χ^2/NDF:54.0/37

Out: -500.677+/-334.179 χ^2/NDF:54.2/41

All: -388.710+/-236.549 χ^2/NDF: 108.4/79



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1528.788+/-0.254 χ^2/NDF:384281.2/22

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1534.410+/-0.257 χ^2/NDF:347626.0/21

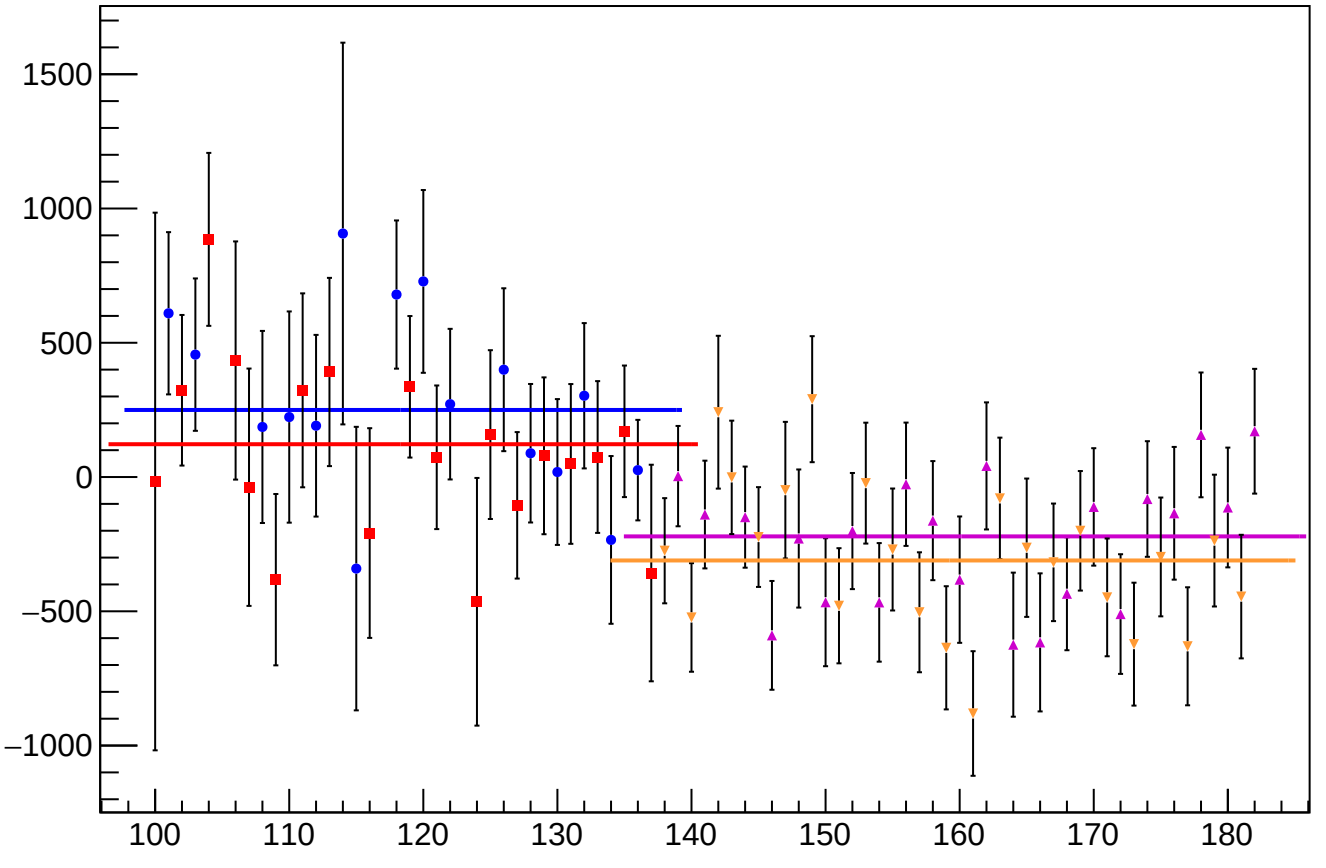
Left: 1531.570+/-0.181 χ^2/NDF: 732148.7/44

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1639.869+/-0.237 χ^2/NDF:2402210.1/37

Out: 1648.243+/-0.236 χ^2/NDF:2783581.8/41

All: 1644.065+/-0.167 χ^2/NDF: 5186418.3/79



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -310.711+/-46.697 χ^2/NDF:32.1/22

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -221.054+/-47.474 χ^2/NDF:23.7/21

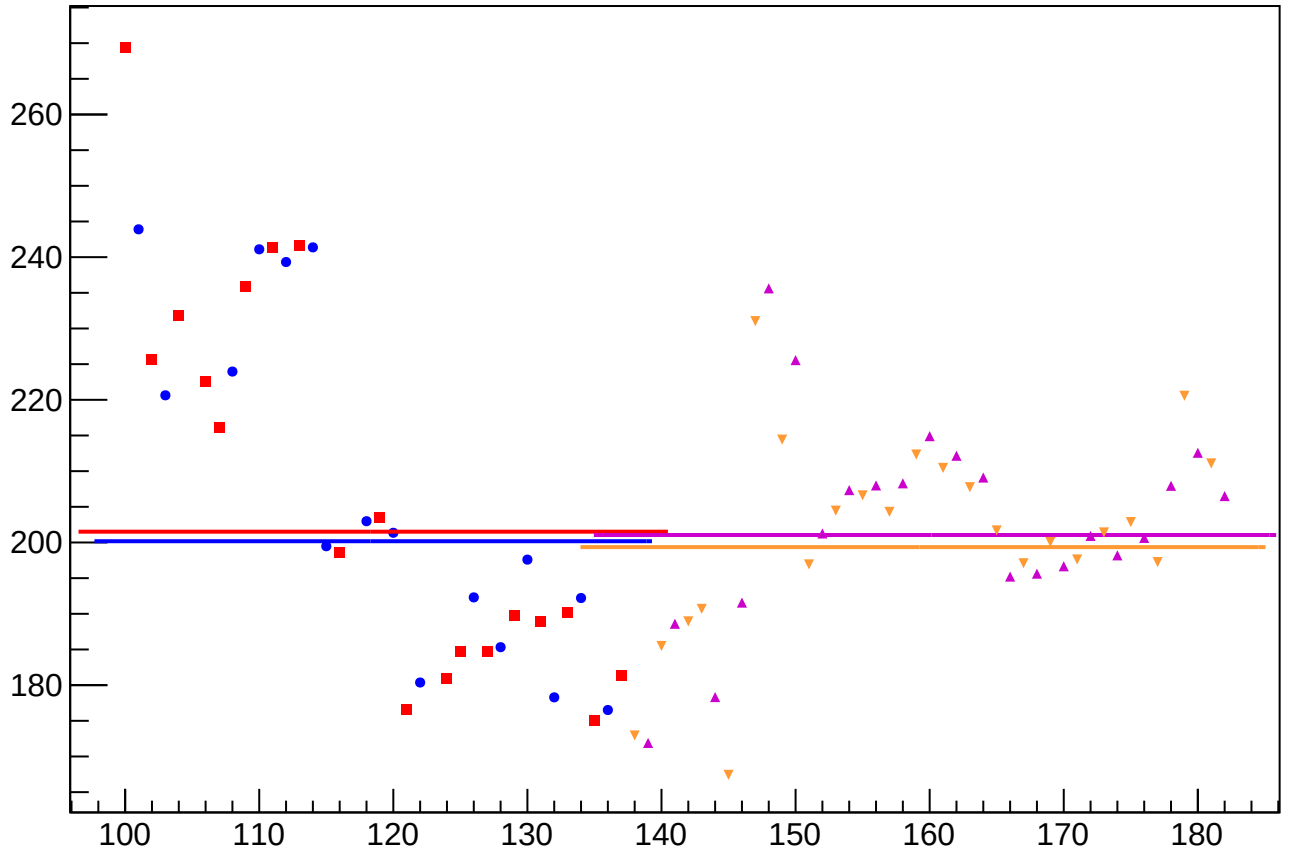
Left: -266.621+/-33.291 χ^2/NDF: 57.6/44

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -86.058+/-40.094 χ^2/NDF:65.7/37

Out: -188.314+/-39.549 χ^2/NDF:71.9/41

All: -137.886+/-28.156 χ^2/NDF: 140.8/79



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 199.353+/-0.033 χ^2/NDF:189683.1/22

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 201.049+/-0.034 χ^2/NDF:177659.8/21

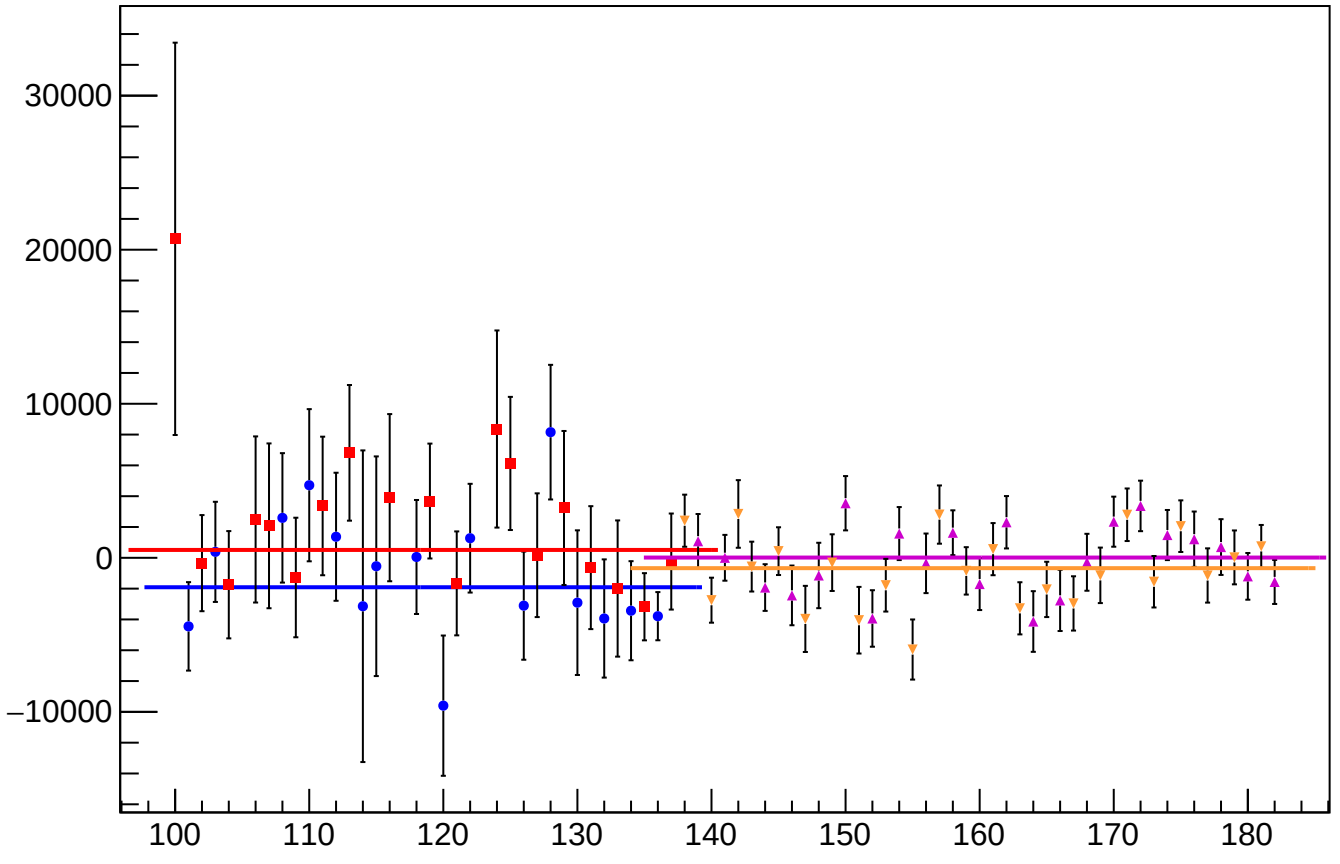
Left: 200.187+/-0.024 χ^2/NDF: 368640.2/44

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.799+/-0.028 χ^2/NDF:358854.8/37

Out: 199.964+/-0.028 χ^2/NDF:386325.9/41

All: 200.376+/-0.020 χ^2/NDF: 745620.2/79



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -671.851+/-359.880 χ^2/NDF:38.0/22

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 16.524+/-363.650 χ^2/NDF:33.4/21

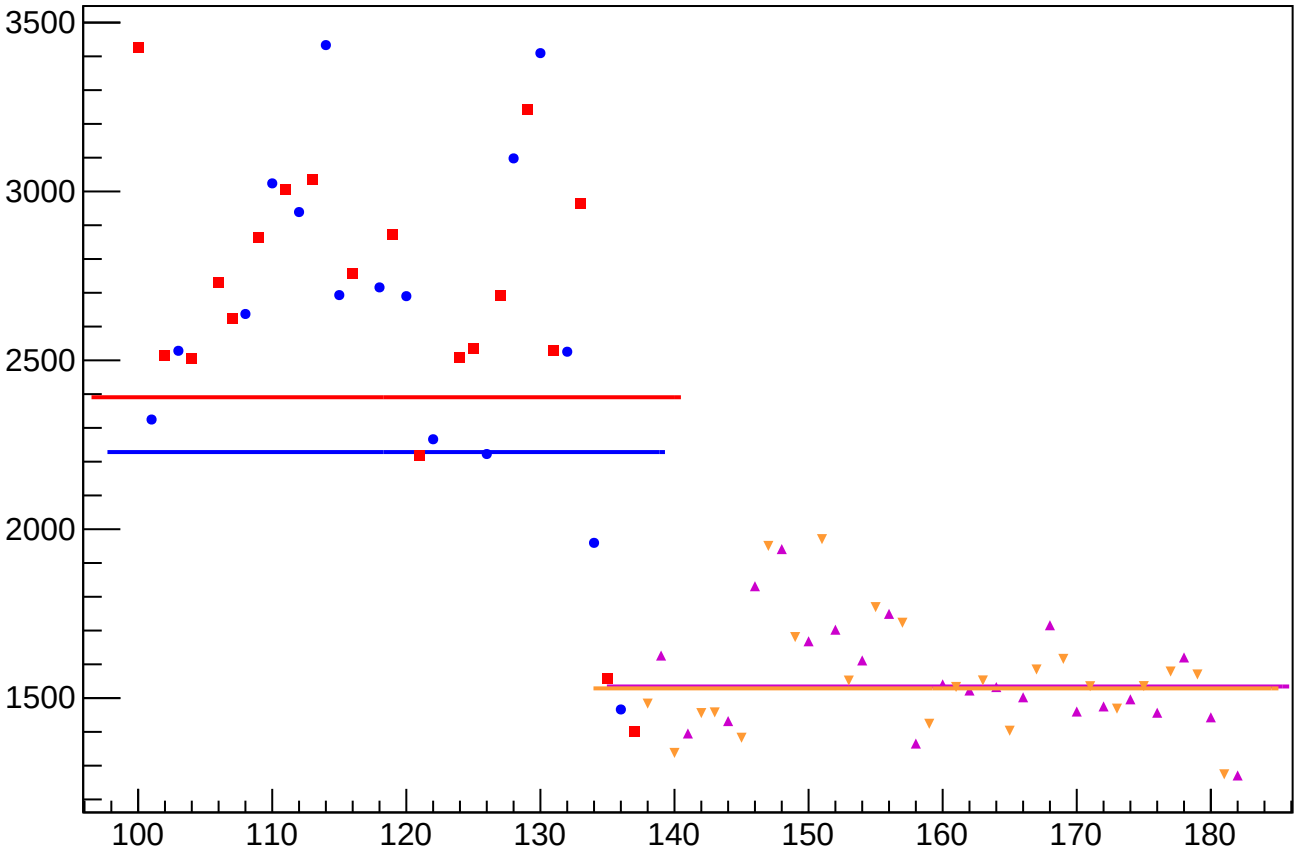
Left: -331.250+/-255.796 χ^2/NDF: 73.2/44

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -276.265+/-334.883 χ^2/NDF:54.0/37

Out: -509.382+/-334.258 χ^2/NDF:53.7/41

All: -393.041+/-236.577 χ^2/NDF: 107.9/79



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1528.788+/-0.254 χ^2/NDF:384282.4/22

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1534.411+/-0.257 χ^2/NDF:347625.4/21

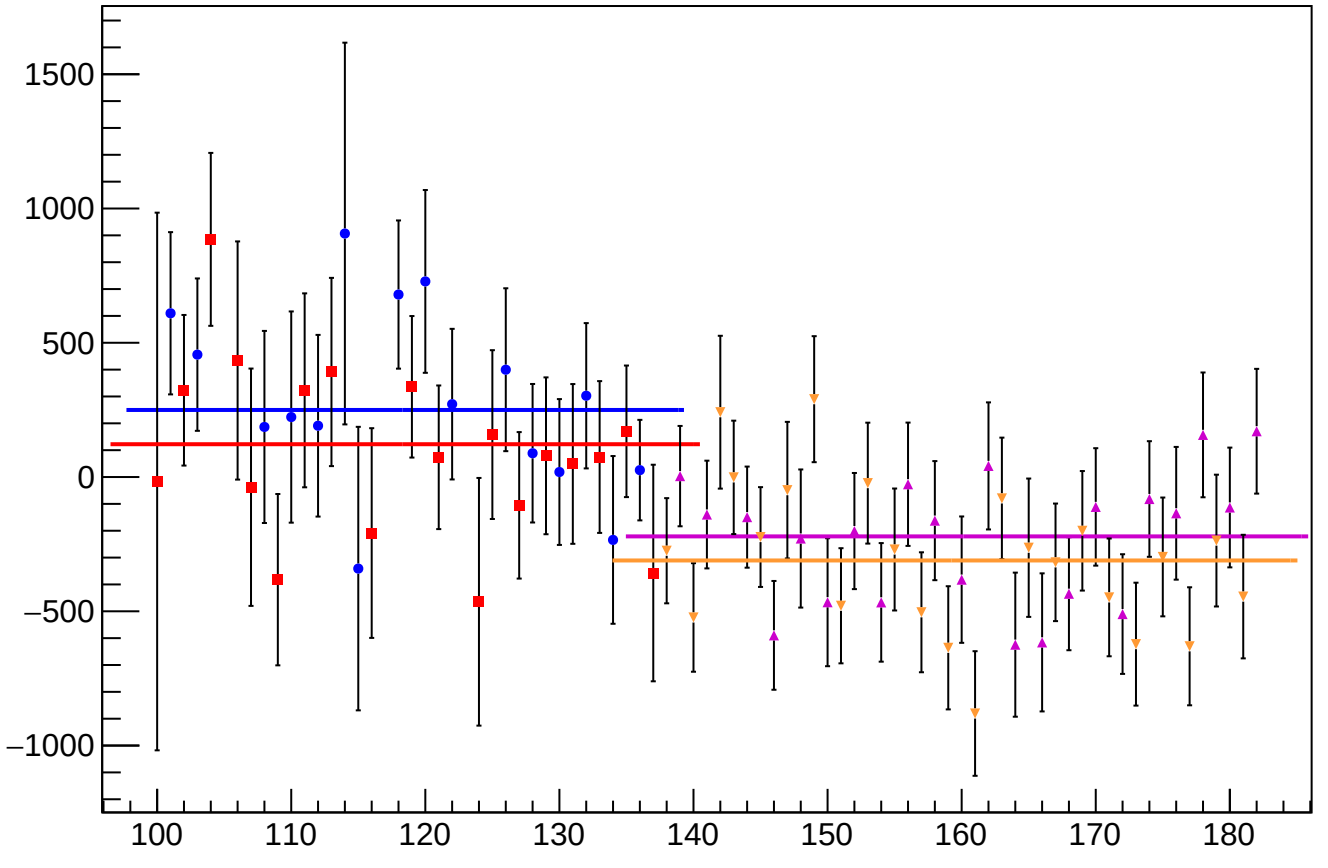
Left: 1531.570+/-0.181 χ^2/NDF: 732149.3/44

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1639.870+/-0.237 χ^2/NDF:2402220.5/37

Out: 1647.151+/-0.236 χ^2/NDF:2749752.3/41

All: 1643.518+/-0.167 χ^2/NDF: 5152446.5/79



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -310.711+/-46.697 χ^2/NDF:32.1/22

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -221.054+/-47.474 χ^2/NDF:23.7/21

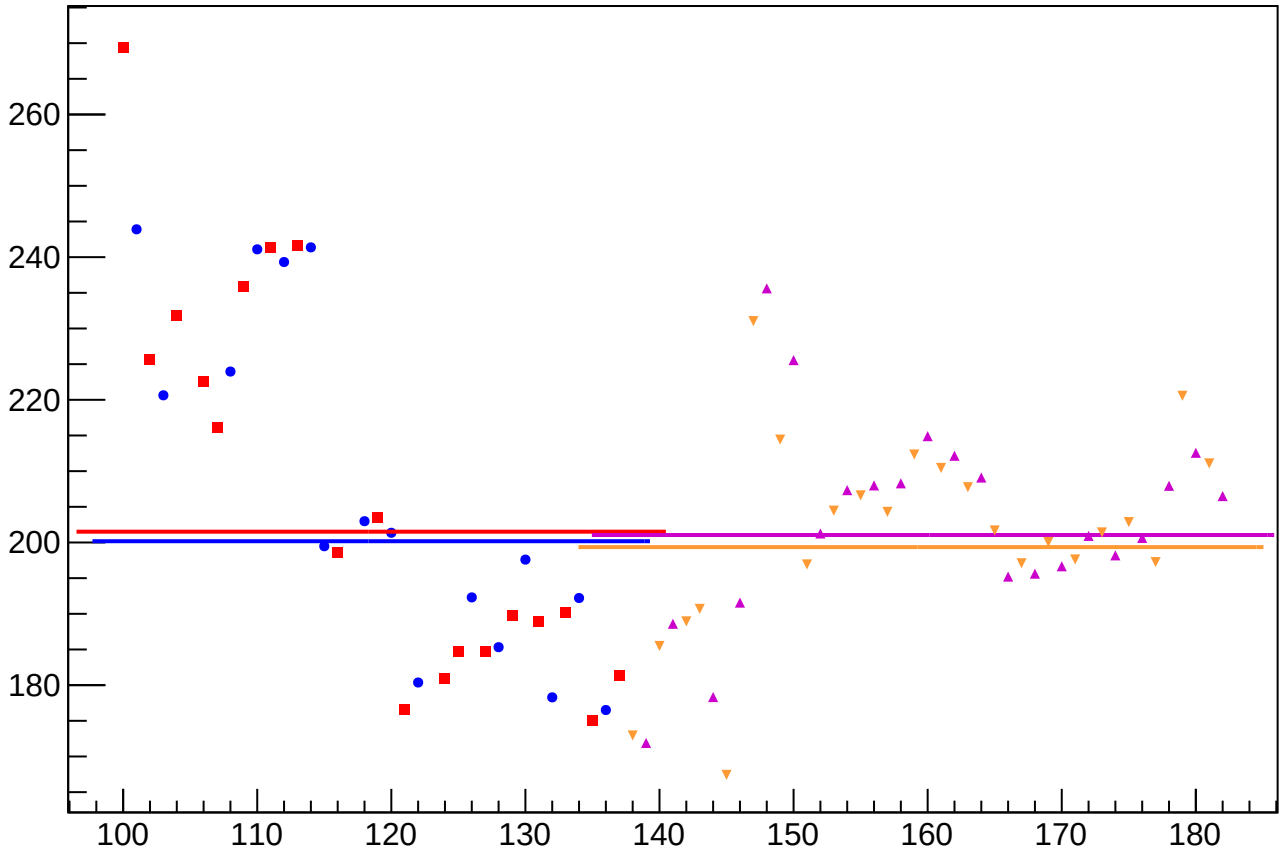
Left: -266.621+/-33.291 χ^2/NDF: 57.6/44

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -86.058+/-40.094 χ^2/NDF:65.7/37

Out: -188.314+/-39.549 χ^2/NDF:71.9/41

All: -137.886+/-28.156 χ^2/NDF: 140.8/79



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 199.353+/-0.033 χ^2/NDF:189683.1/22

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 201.049+/-0.034 χ^2/NDF:177659.8/21

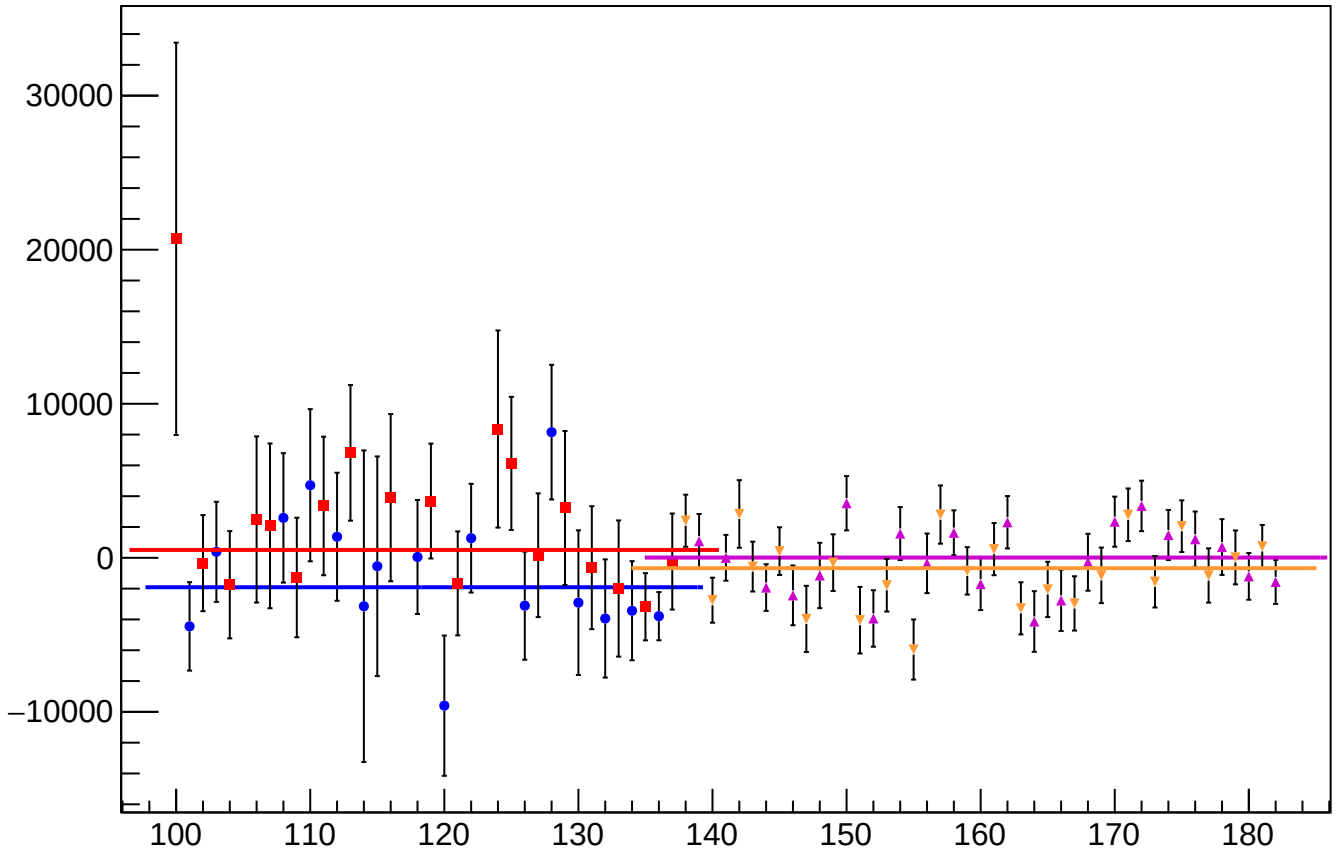
Left: 200.187+/-0.024 χ^2/NDF: 368640.2/44

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.799+/-0.028 χ^2/NDF:358854.8/37

Out: 199.964+/-0.028 χ^2/NDF:386325.9/41

All: 200.376+/-0.020 χ^2/NDF: 745620.2/79



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -671.851+/-359.880 χ^2/NDF:38.0/22

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 16.524+/-363.650 χ^2/NDF:33.4/21

Left: -331.250+/-255.796 χ^2/NDF: 73.2/44

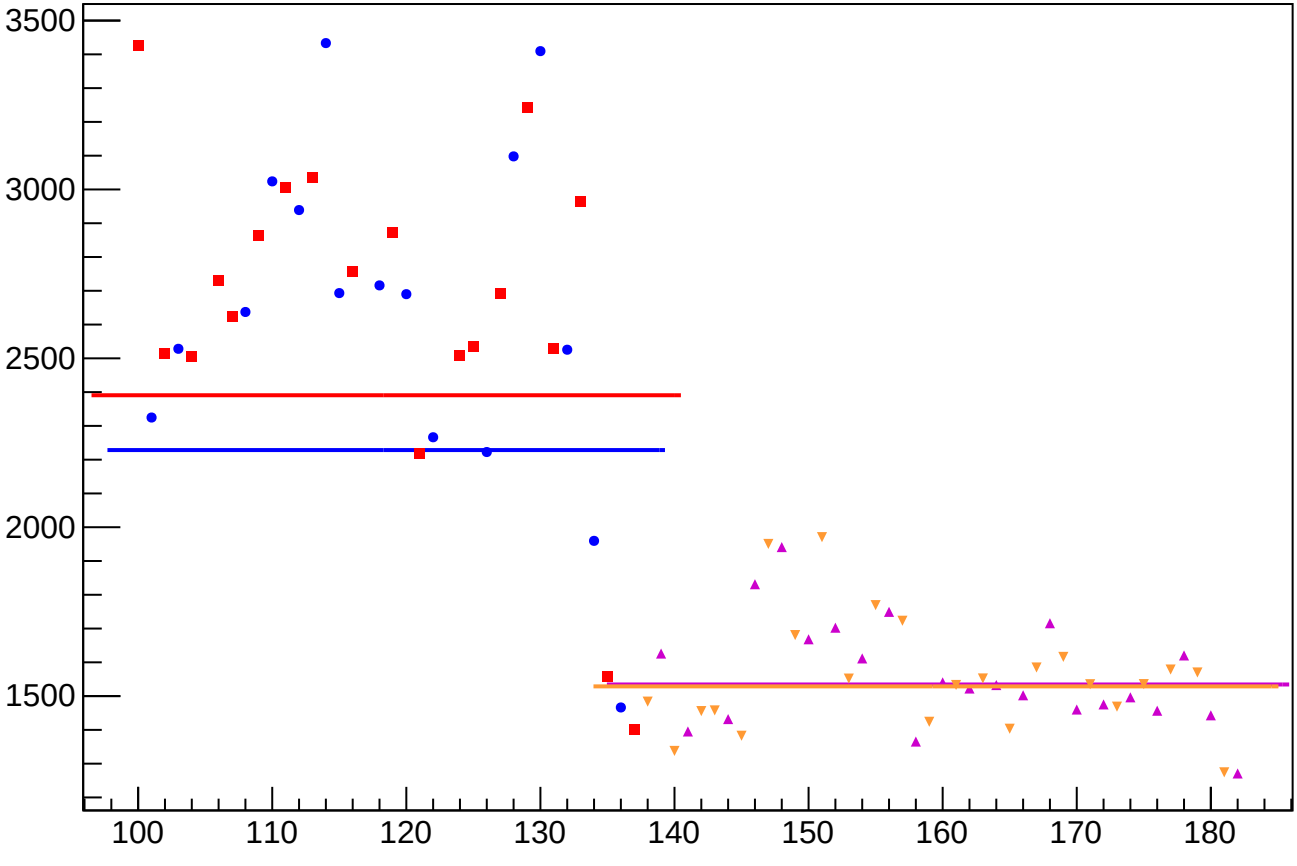
Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -276.265+/-334.883 χ^2/NDF:54.0/37

Out: -509.382+/-334.258 χ^2/NDF:53.7/41

All: -393.041+/-236.577 χ^2/NDF: 107.9/79

asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1528.788+/-0.254 χ^2/NDF:384282.4/22

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1534.411+/-0.257 χ^2/NDF:347625.4/21

Left: 1531.570+/-0.181 χ^2/NDF: 732149.3/44

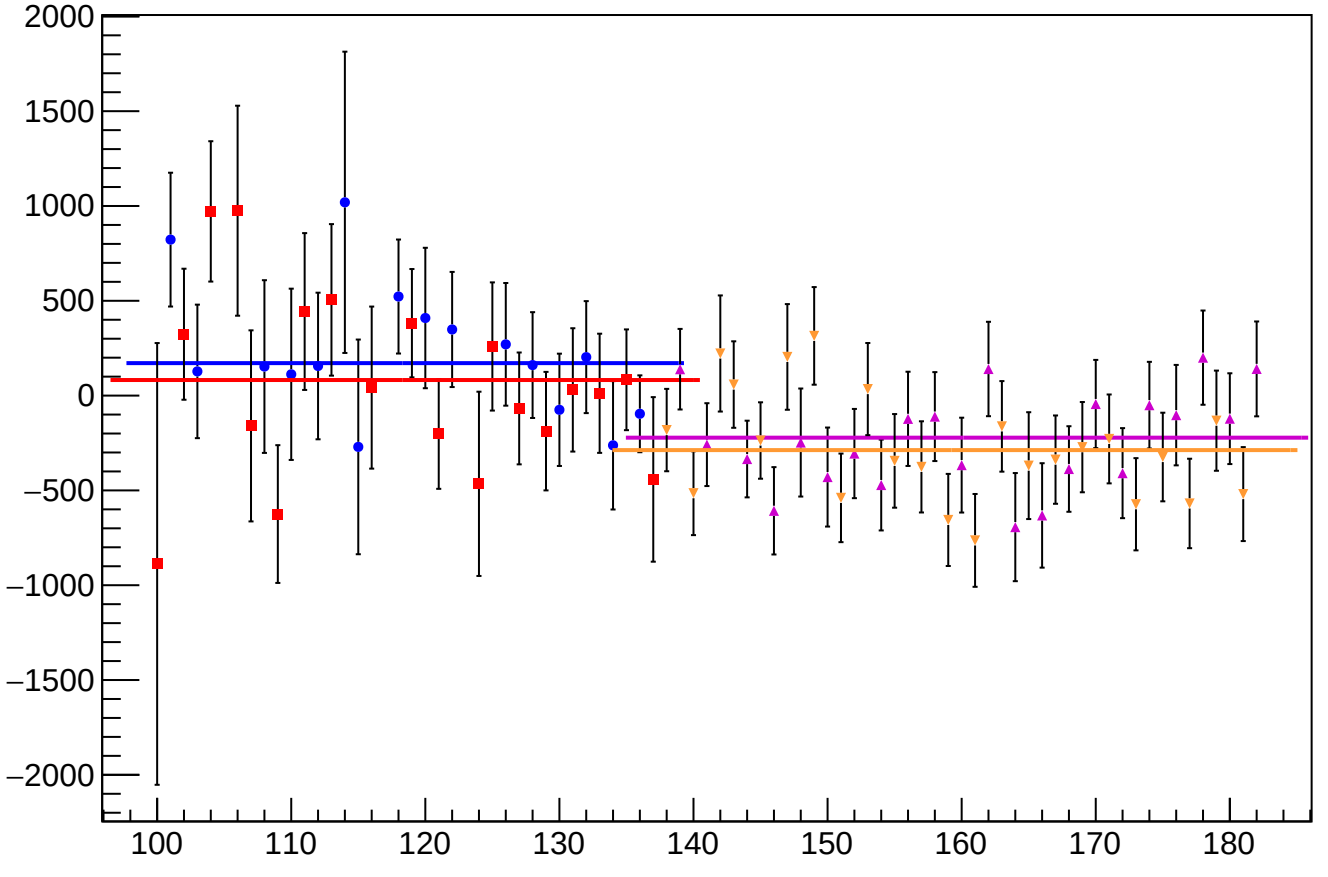
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1639.870+/-0.237 χ^2/NDF:2402220.5/37

Out: 1647.151+/-0.236 χ^2/NDF:2749752.3/41

All: 1643.518+/-0.167 χ^2/NDF: 5152446.5/79

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -287.452+/-50.315 χ^2/NDF:28.7/22

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -221.885+/-51.314 χ^2/NDF:23.3/21

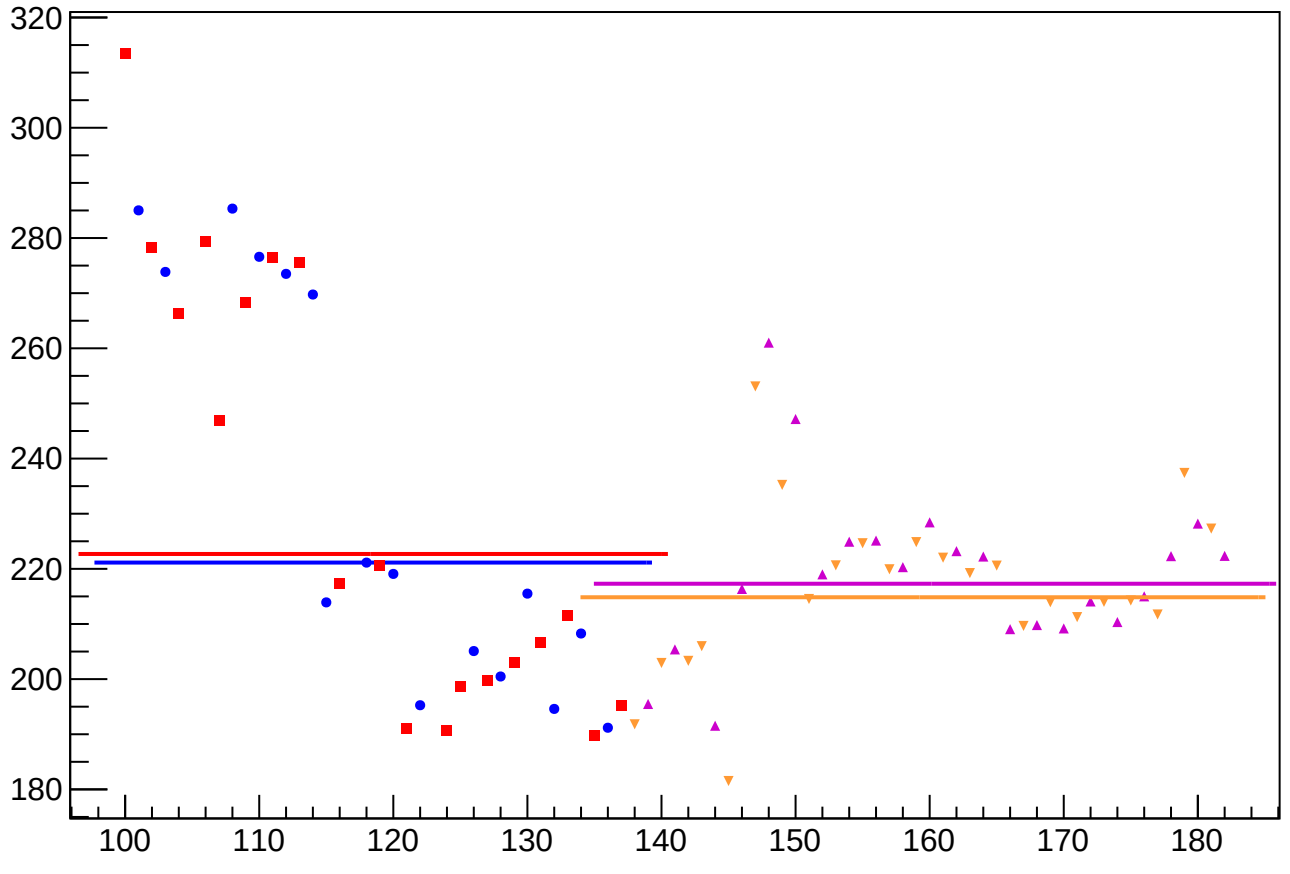
Left: -255.312+/-35.926 χ^2/NDF: 52.9/44

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -113.390+/-43.663 χ^2/NDF:51.0/37

Out: -187.327+/-42.963 χ^2/NDF:64.9/41

All: -150.956+/-30.624 χ^2/NDF: 117.4/79



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 214.847+/-0.036 χ^2/NDF:172406.2/22

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 217.299+/-0.036 χ^2/NDF:157503.6/21

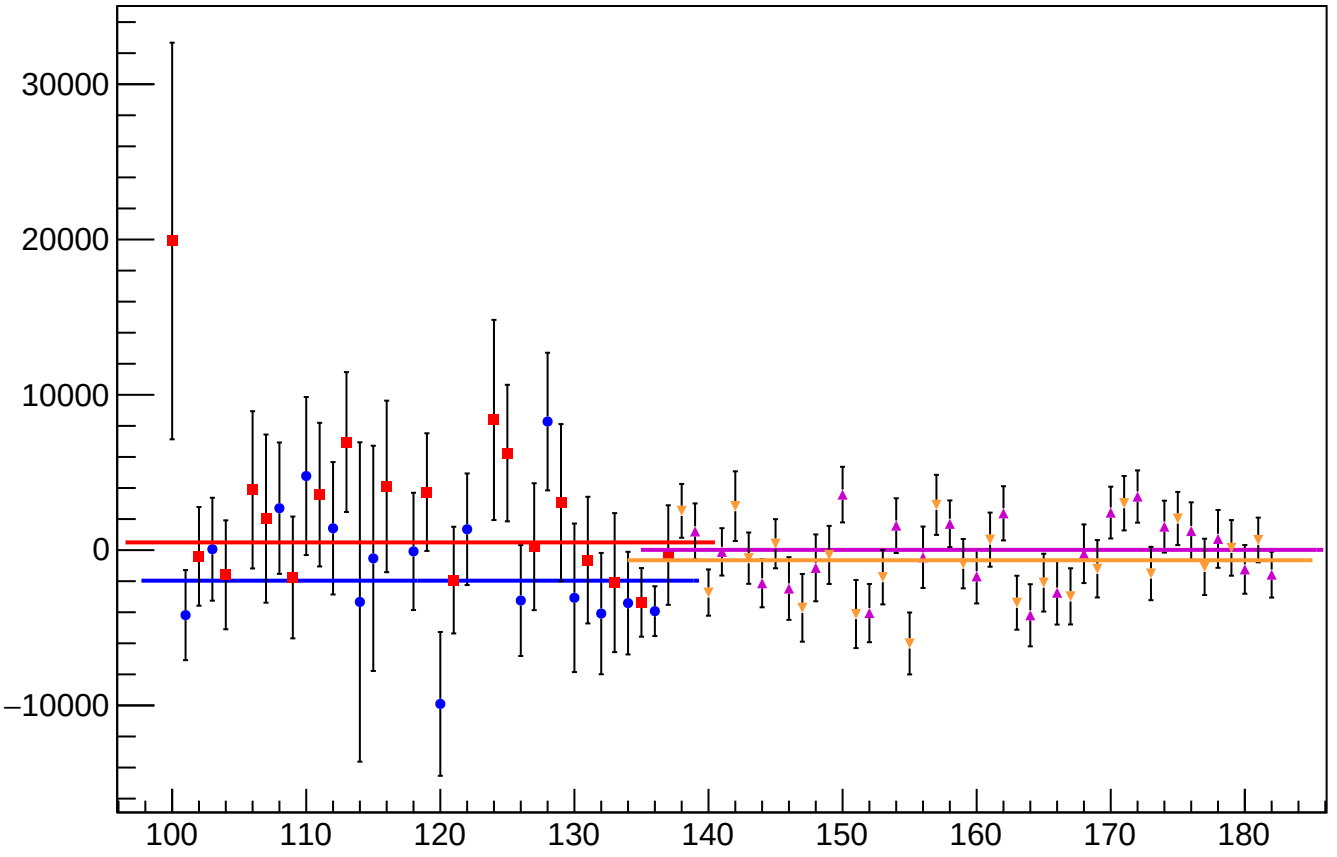
Left: 216.049+/-0.025 χ^2/NDF: 332239.2/44

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 218.359+/-0.031 χ^2/NDF:479296.1/37

Out: 216.973+/-0.030 χ^2/NDF:512628.5/41

All: 217.655+/-0.022 χ^2/NDF: 992947.9/79



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -651.973+/-368.913 χ^2/NDF:37.3/22

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: 16.369+/-373.337 χ^2/NDF:33.4/21

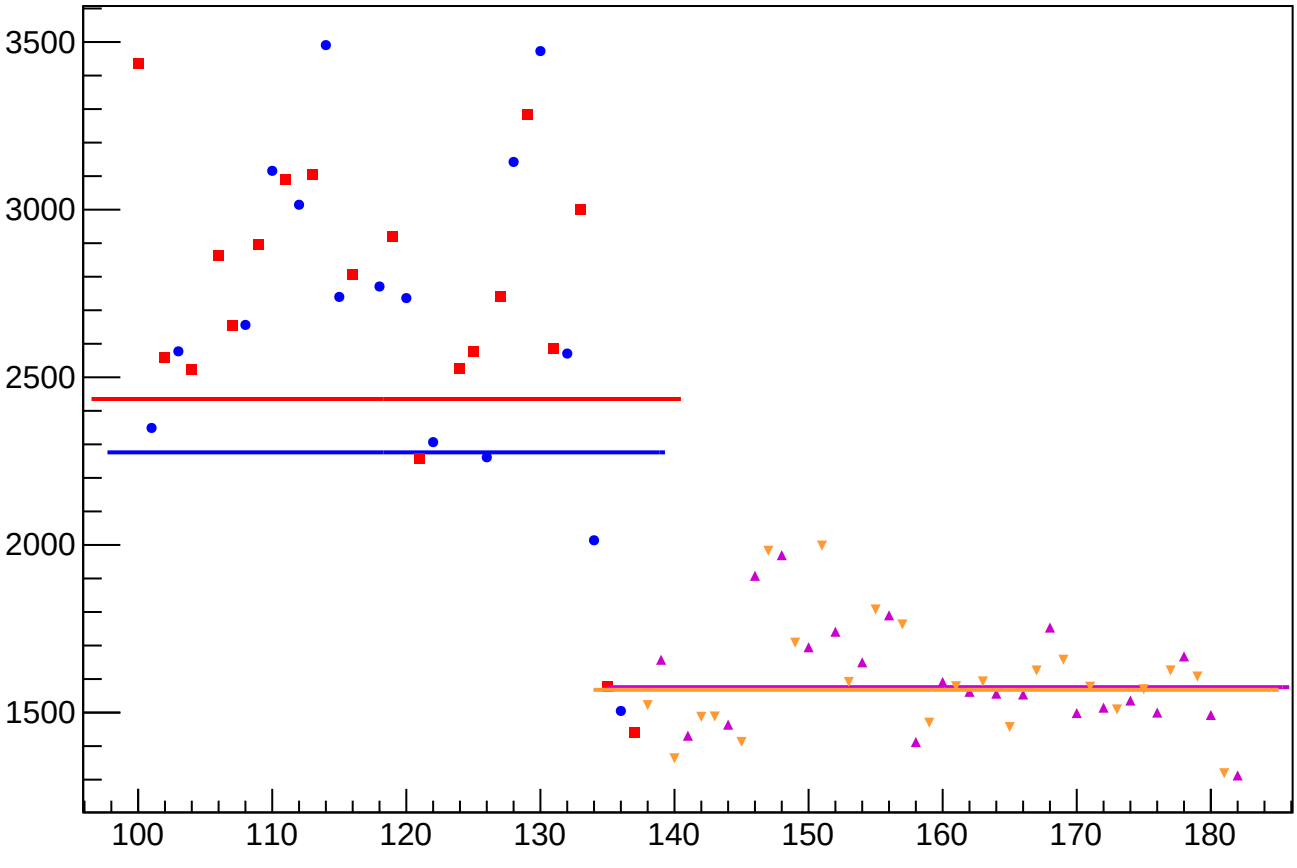
Left: -321.785+/-262.411 χ^2/NDF: 72.3/44

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -288.206+/-343.484 χ^2/NDF:53.9/37

Out: -491.204+/-342.138 χ^2/NDF:53.4/41

All: -390.103+/-242.402 χ^2/NDF: 107.5/79



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1567.962+/-0.261 χ^2/NDF:363031.5/22

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1575.823+/-0.264 χ^2/NDF:332446.2/21

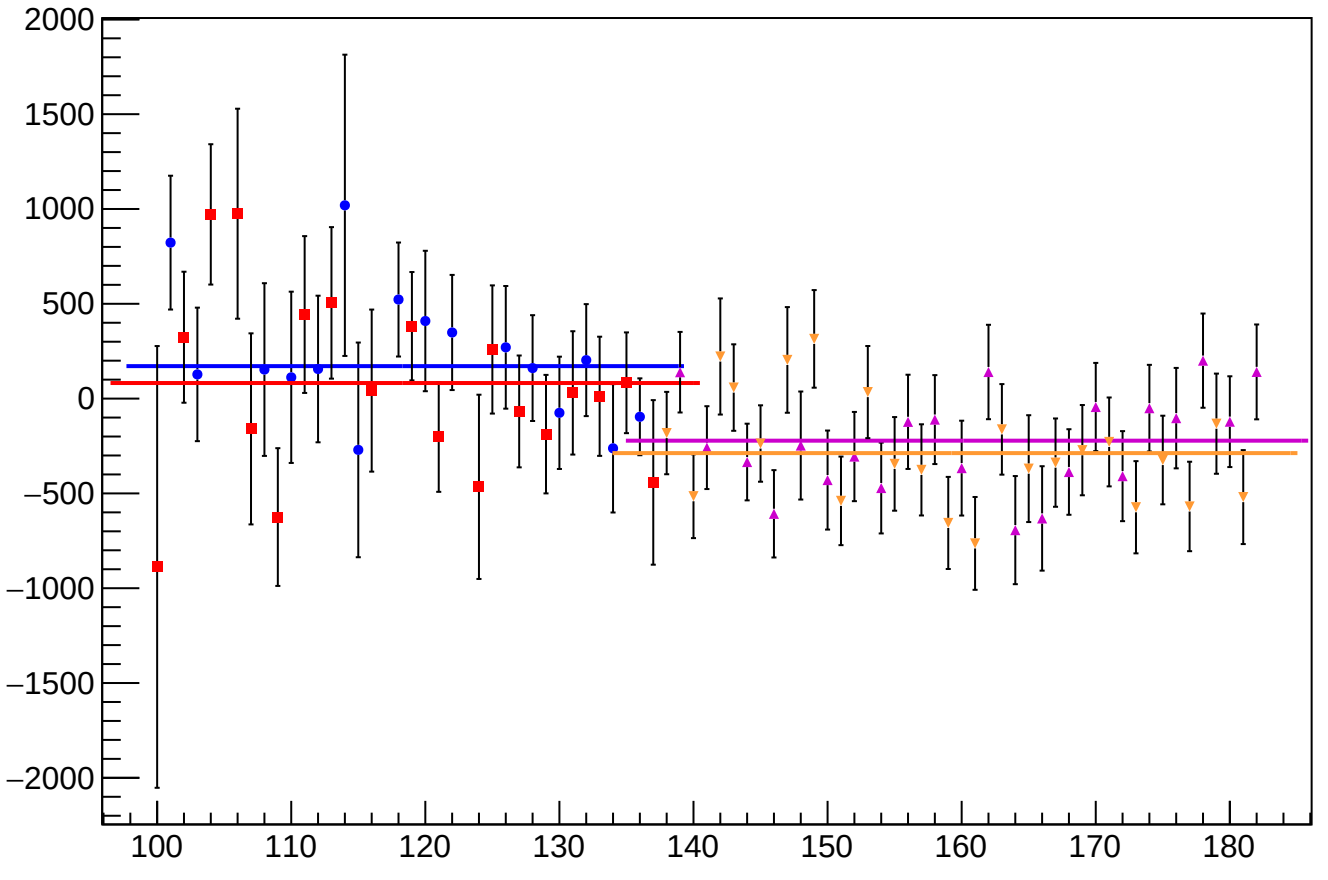
Left: 1571.845+/-0.186 χ^2/NDF: 695926.3/44

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1683.343+/-0.243 χ^2/NDF:2339893.9/37

Out: 1689.302+/-0.242 χ^2/NDF:2701232.7/41

All: 1686.334+/-0.171 χ^2/NDF: 5041428.7/79



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -287.454+/-50.315 χ^2/NDF:28.7/22

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -221.885+/-51.314 χ^2/NDF:23.3/21

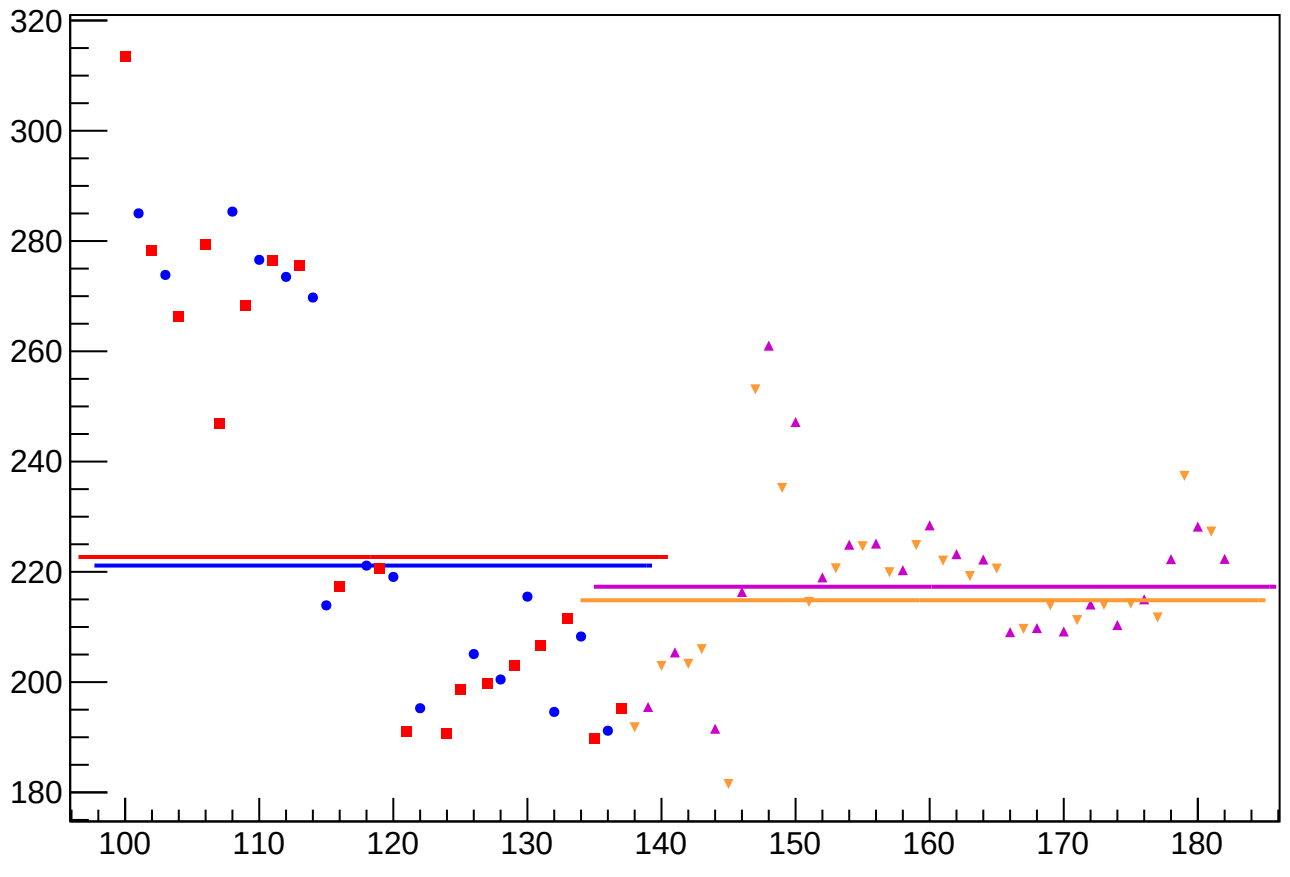
Left: -255.314+/-35.926 χ^2/NDF: 52.9/44

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -113.389+/-43.663 χ^2/NDF:51.0/37

Out: -187.329+/-42.963 χ^2/NDF:64.9/41

All: -150.956+/-30.624 χ^2/NDF: 117.4/79



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 214.847+/-0.036 χ^2/NDF:172410.2/22

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 217.299+/-0.036 χ^2/NDF:157506.1/21

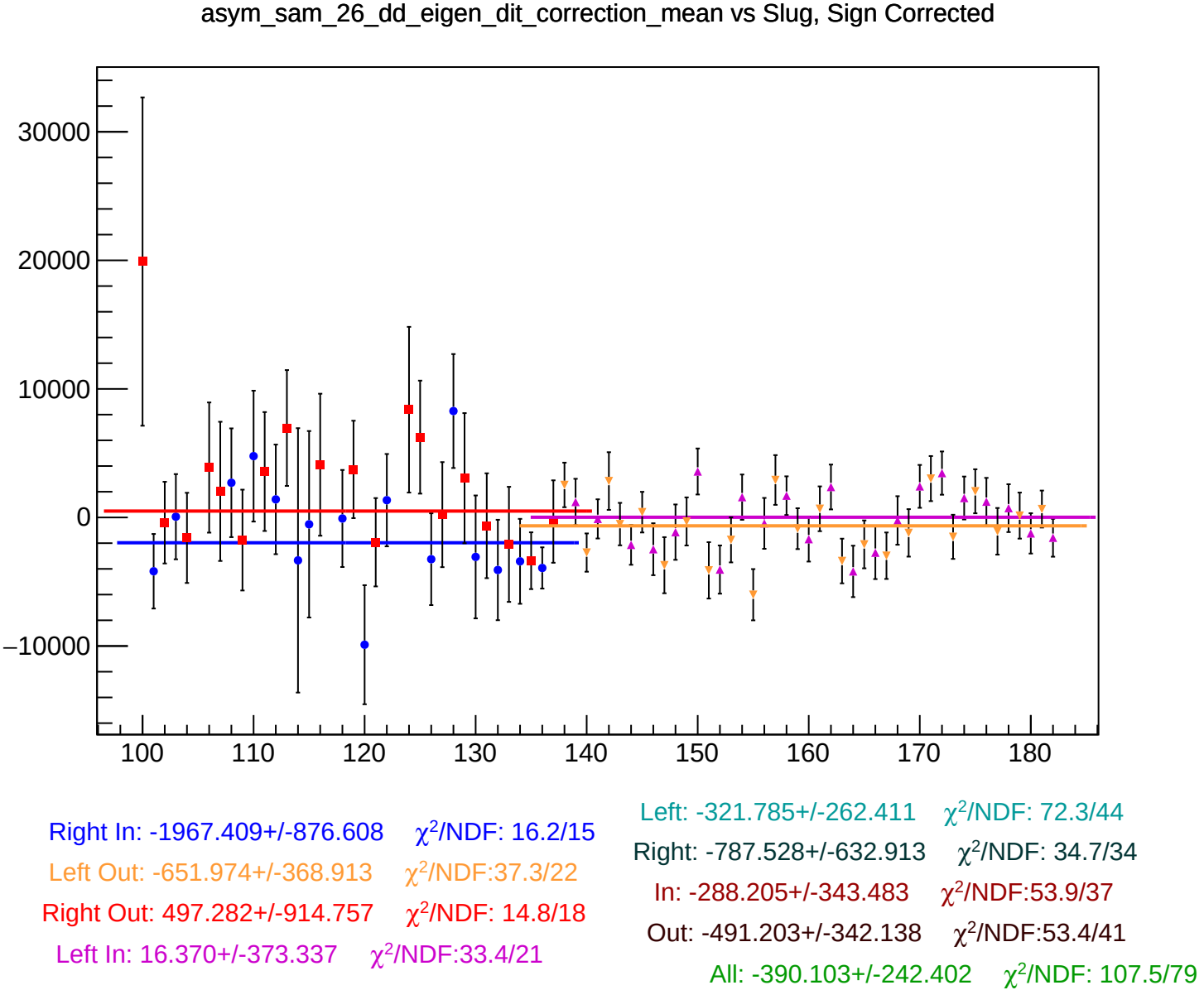
Left: 216.049+/-0.025 χ^2/NDF: 332245.5/44

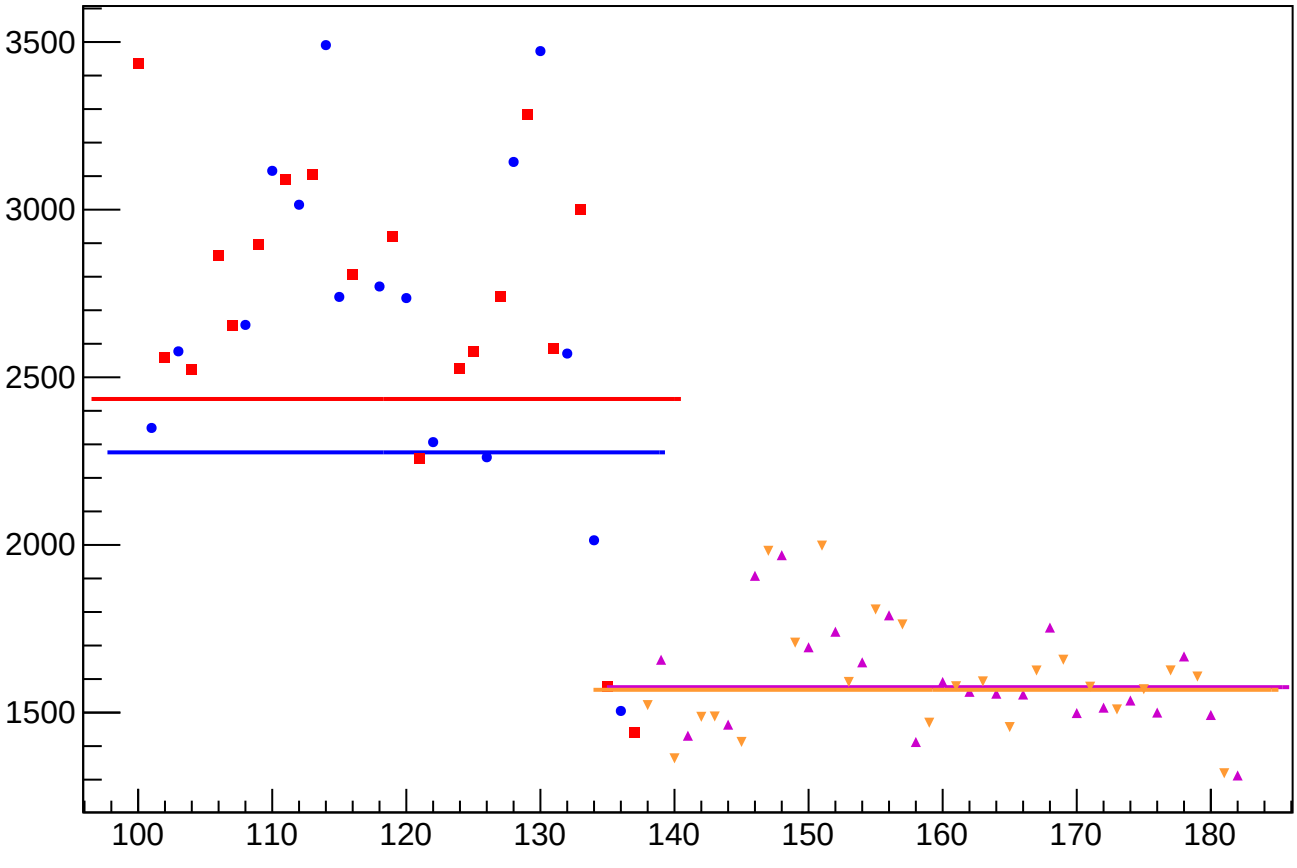
Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 218.358+/-0.031 χ^2/NDF:479291.9/37

Out: 216.973+/-0.030 χ^2/NDF:512622.9/41

All: 217.655+/-0.022 χ^2/NDF: 992937.8/79


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: -1967.409+/-876.608 χ²/NDF: 16.2/15
Left Out: -651.974+/-368.913 χ²/NDF:37.3/22
Right Out: 497.282+/-914.757 χ²/NDF: 14.8/18
Left In: 16.370+/-373.337 χ²/NDF:33.4/21
Left: -321.785+/-262.411 χ²/NDF: 72.3/44
Right: -787.528+/-632.913 χ²/NDF: 34.7/34
In: -288.205+/-343.483 χ²/NDF:53.9/37
Out: -491.203+/-342.138 χ²/NDF:53.4/41
All: -390.103+/-242.402 χ²/NDF: 107.5/79



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1567.962+/-0.261 χ^2/NDF:363034.7/22

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1575.823+/-0.264 χ^2/NDF:332449.4/21

Left: 1571.845+/-0.186 χ^2/NDF: 695932.8/44

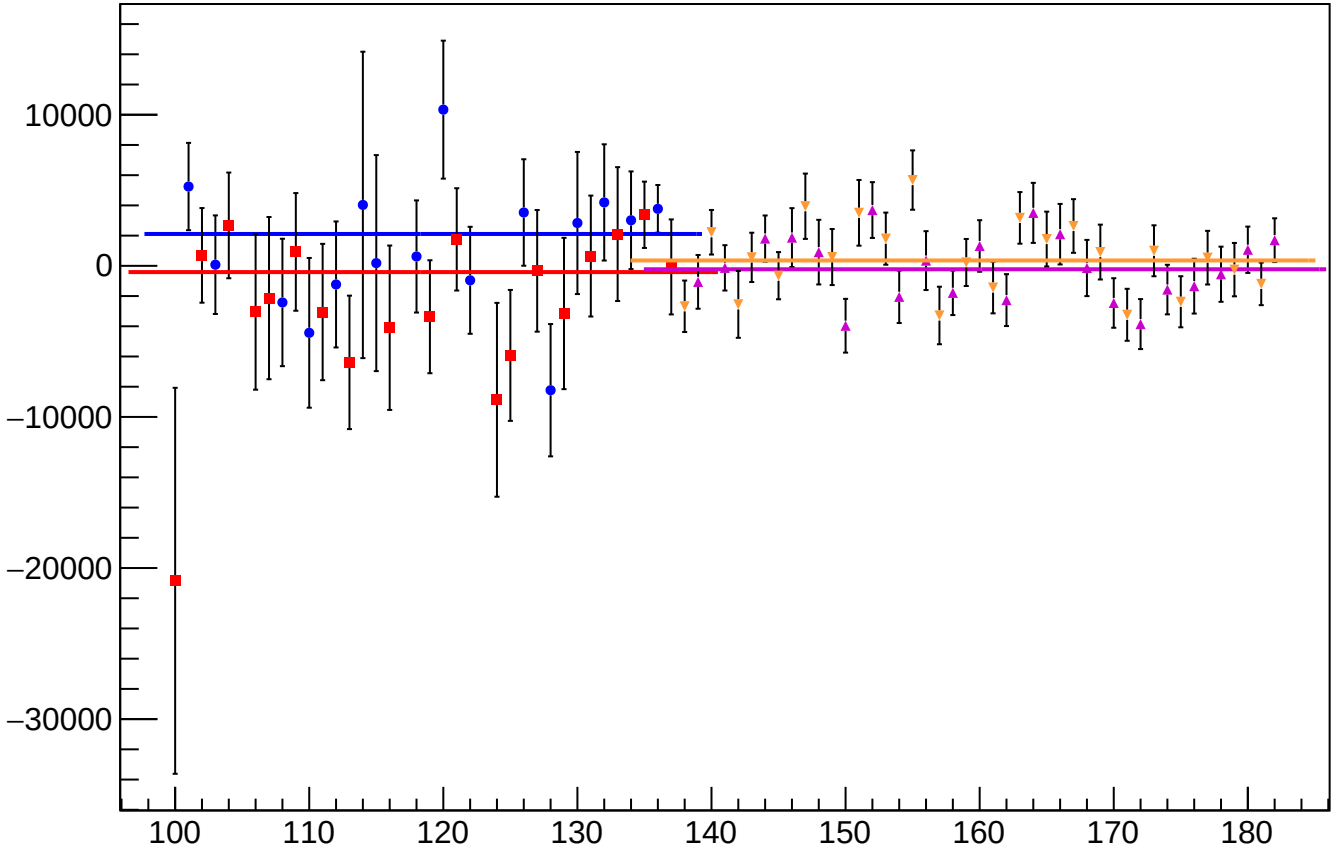
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1683.343+/-0.243 χ^2/NDF:2339882.2/37

Out: 1689.302+/-0.242 χ^2/NDF:2701220.3/41

All: 1686.334+/-0.171 χ^2/NDF: 5041404.6/79

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 355.911+/-363.076 χ^2/NDF:38.2/22

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: -226.947+/-366.924 χ^2/NDF:32.0/21

Left: 67.554+/-258.083 χ^2/NDF: 71.4/44

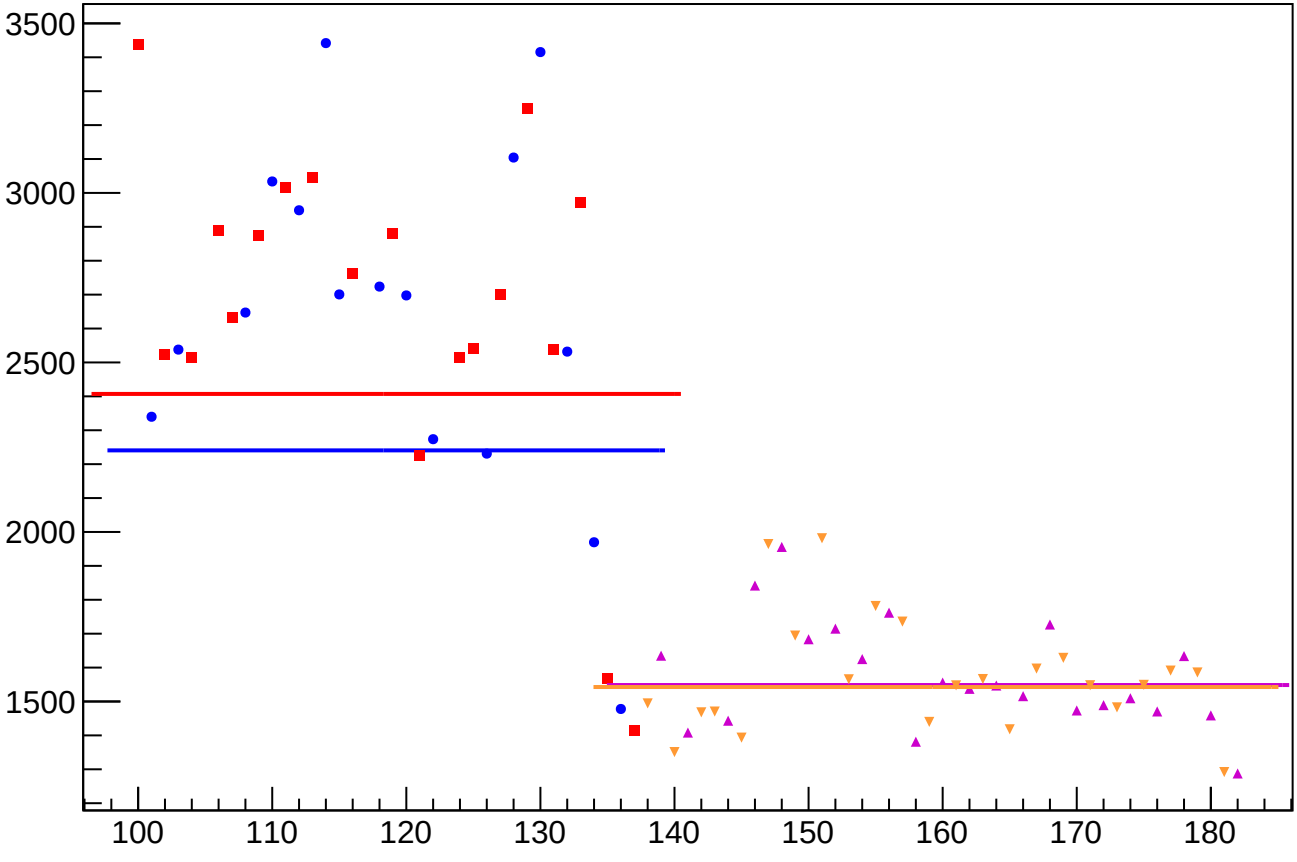
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 130.555+/-337.688 χ^2/NDF:54.8/37

Out: 249.039+/-336.939 χ^2/NDF:53.4/41

All: 189.929+/-238.516 χ^2/NDF: 108.3/79

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1542.672+/-0.257 χ^2/NDF:374982.3/22

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1548.522+/-0.259 χ^2/NDF:337728.1/21

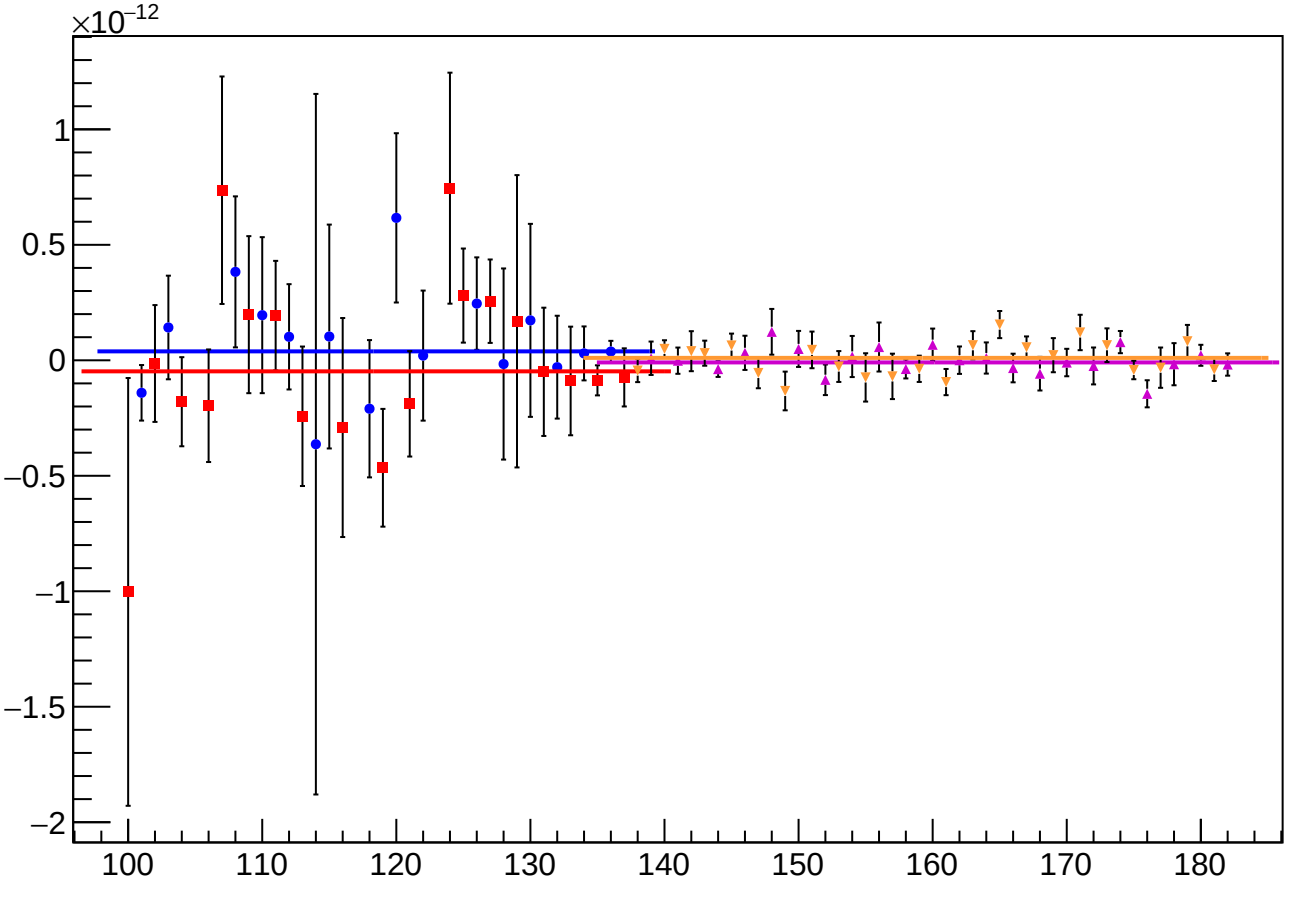
Left: 1545.566+/-0.182 χ^2/NDF: 712967.3/44

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1654.420+/-0.239 χ^2/NDF:2360091.2/37

Out: 1662.652+/-0.238 χ^2/NDF:2737524.2/41

All: 1658.545+/-0.169 χ^2/NDF: 5098211.0/79



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/22

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/21

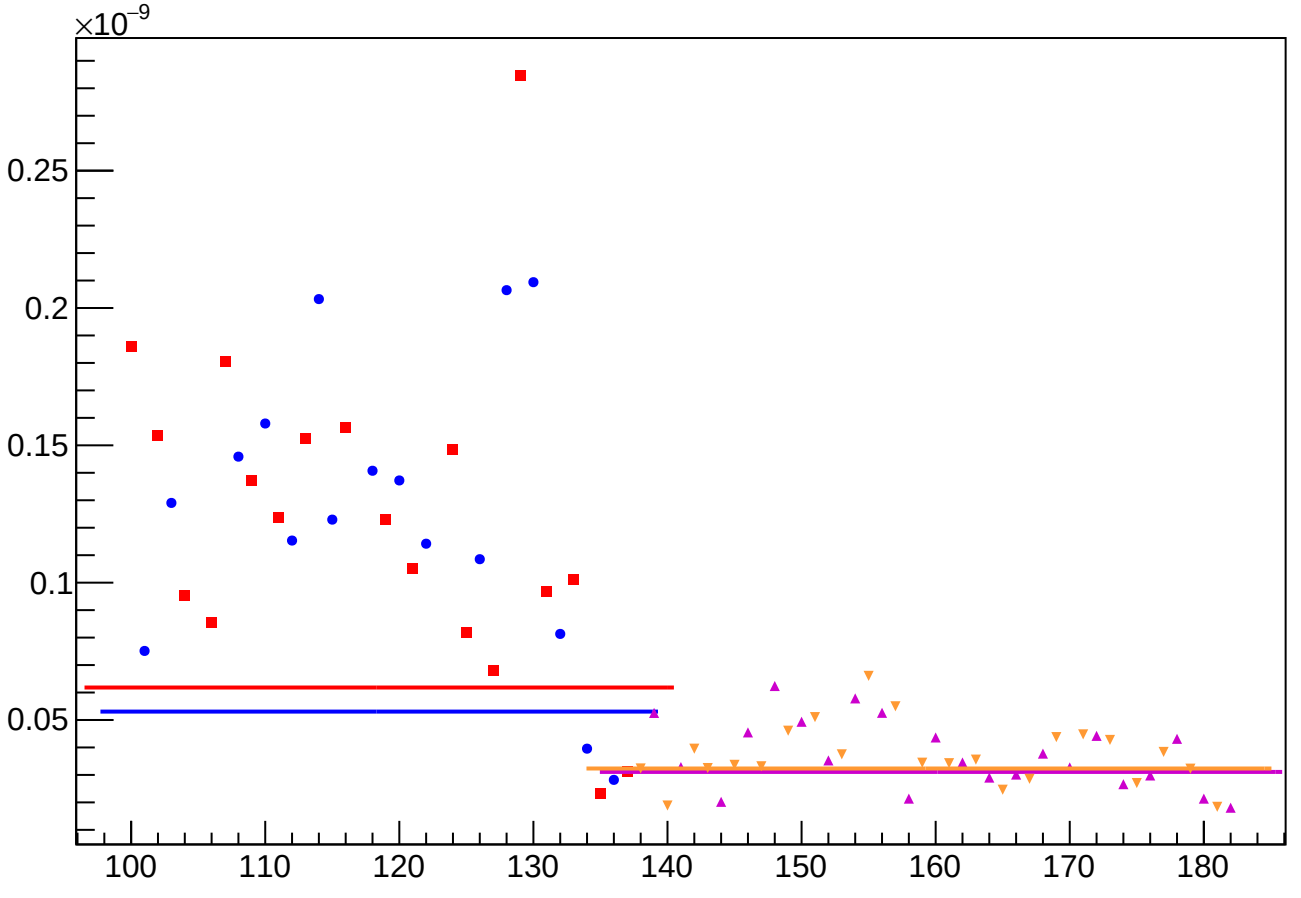
Left: 0.000+/-0.000 χ^2/NDF: 45.9/44

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:26.8/37

Out: 0.000+/-0.000 χ^2/NDF:47.7/41

All: 0.000+/-0.000 χ^2/NDF: 74.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1161970.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1586549.9/21

Left: 0.000+/-0.000 χ^2/NDF: 2758323.9/44

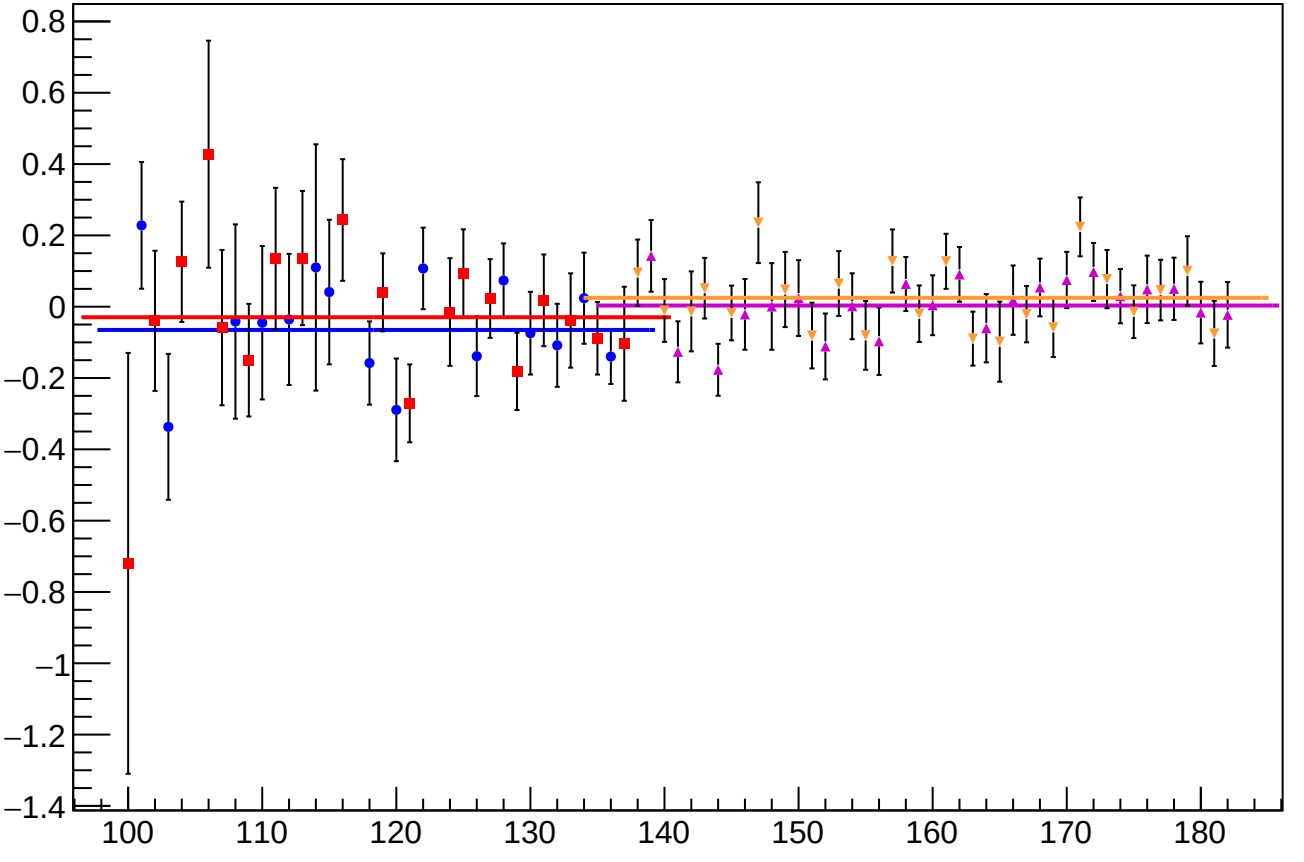
Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4813669.5/37

Out: 0.000+/-0.000 χ^2/NDF:4432704.1/41

All: 0.000+/-0.000 χ^2/NDF: 9254998.9/79

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.018 χ^2/NDF:24.1/22

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.003+/-0.019 χ^2/NDF:18.8/21

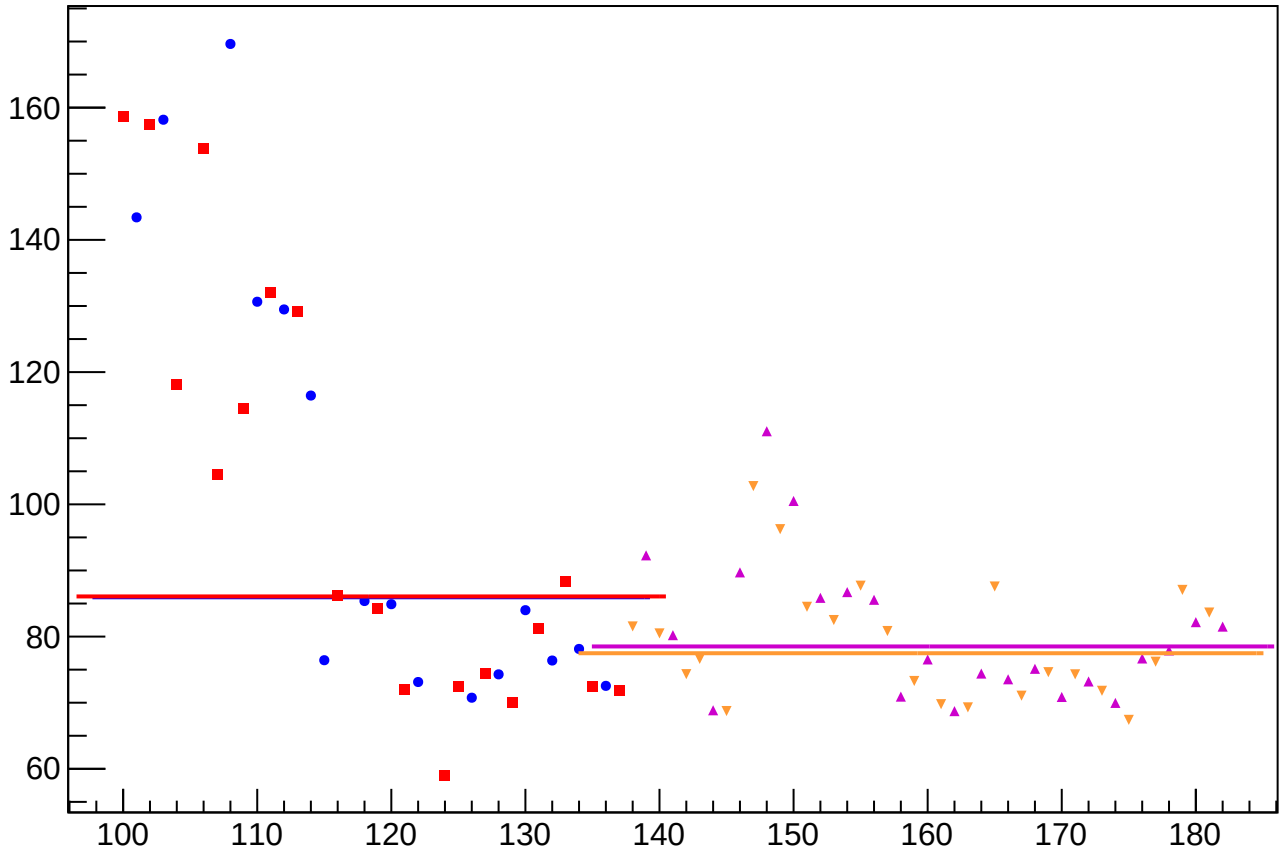
Left: 0.014+/-0.013 χ^2/NDF: 43.6/44

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.016 χ^2/NDF:36.2/37

Out: 0.012+/-0.016 χ^2/NDF:44.3/41

All: -0.000+/-0.011 χ^2/NDF: 81.7/79



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.482+/-0.013 χ^2/NDF:399455.2/22

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.508+/-0.013 χ^2/NDF:493006.7/21

Left: 77.983+/-0.009 χ^2/NDF: 895543.8/44

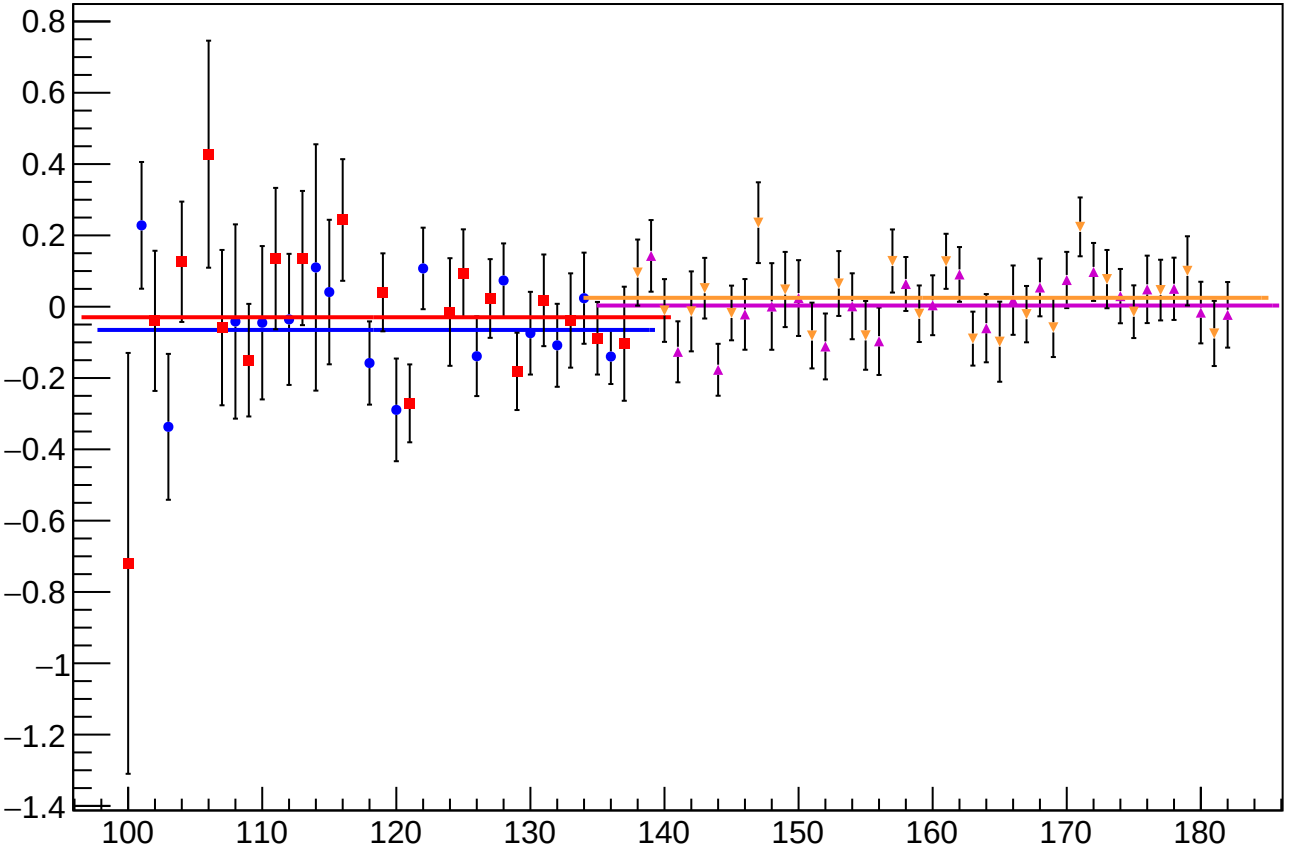
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.289+/-0.012 χ^2/NDF:1603853.1/37

Out: 79.497+/-0.011 χ^2/NDF:1494806.2/41

All: 79.885+/-0.008 χ^2/NDF: 3101072.1/79

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.018 χ^2/NDF:24.1/22

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.003+/-0.019 χ^2/NDF:18.8/21

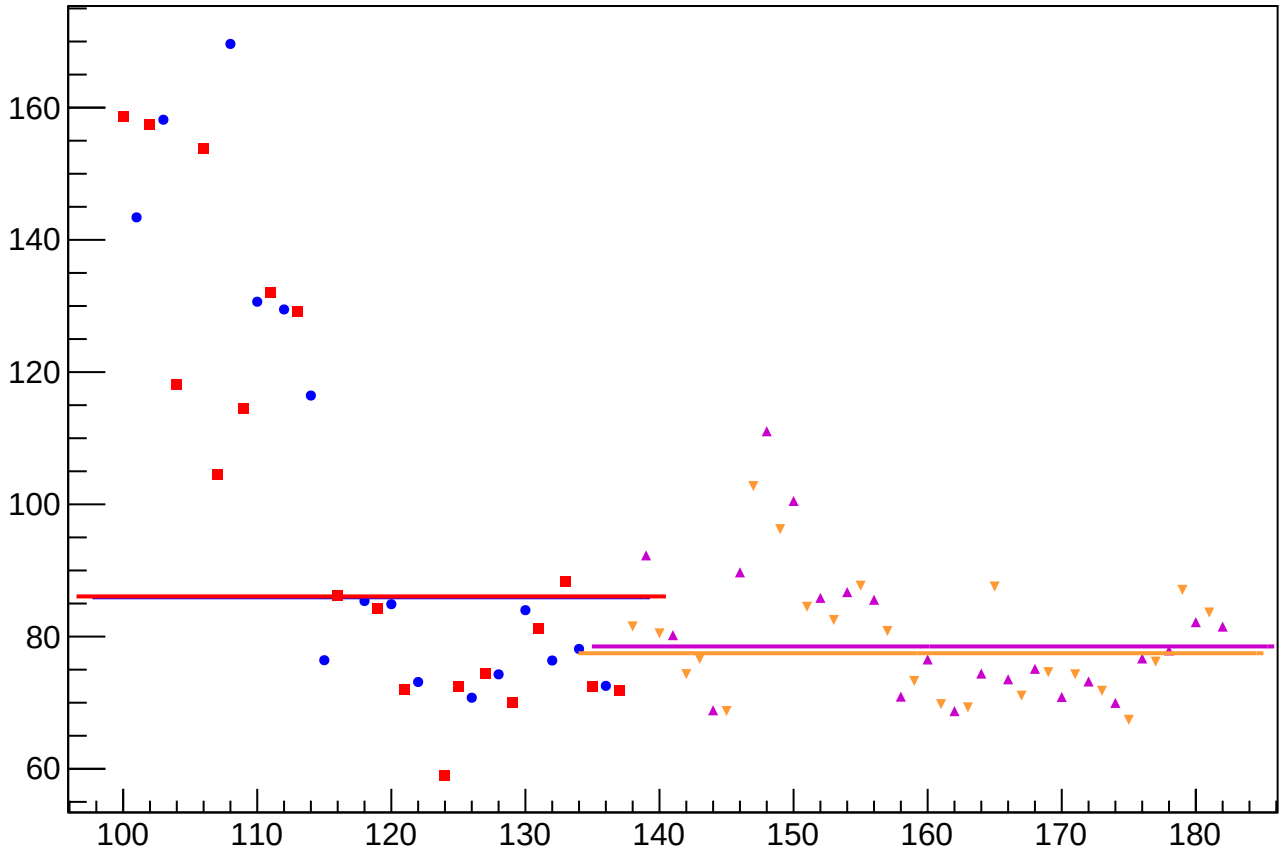
Left: 0.014+/-0.013 χ^2/NDF: 43.6/44

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.016 χ^2/NDF:36.2/37

Out: 0.012+/-0.016 χ^2/NDF:44.3/41

All: -0.000+/-0.011 χ^2/NDF: 81.7/79



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.482+/-0.013 χ^2/NDF:399455.2/22

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.508+/-0.013 χ^2/NDF:493006.7/21

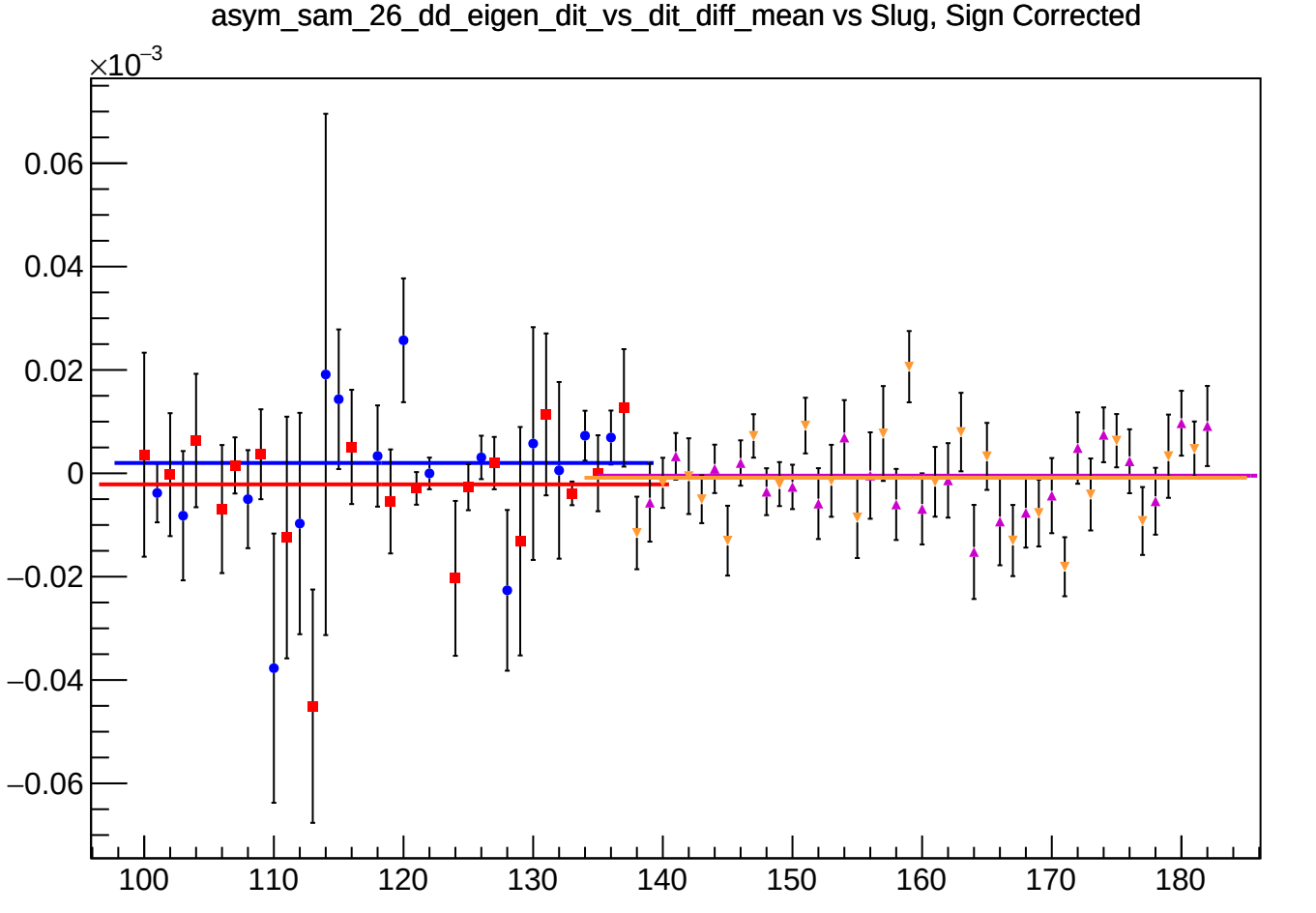
Left: 77.983+/-0.009 χ^2/NDF: 895543.8/44

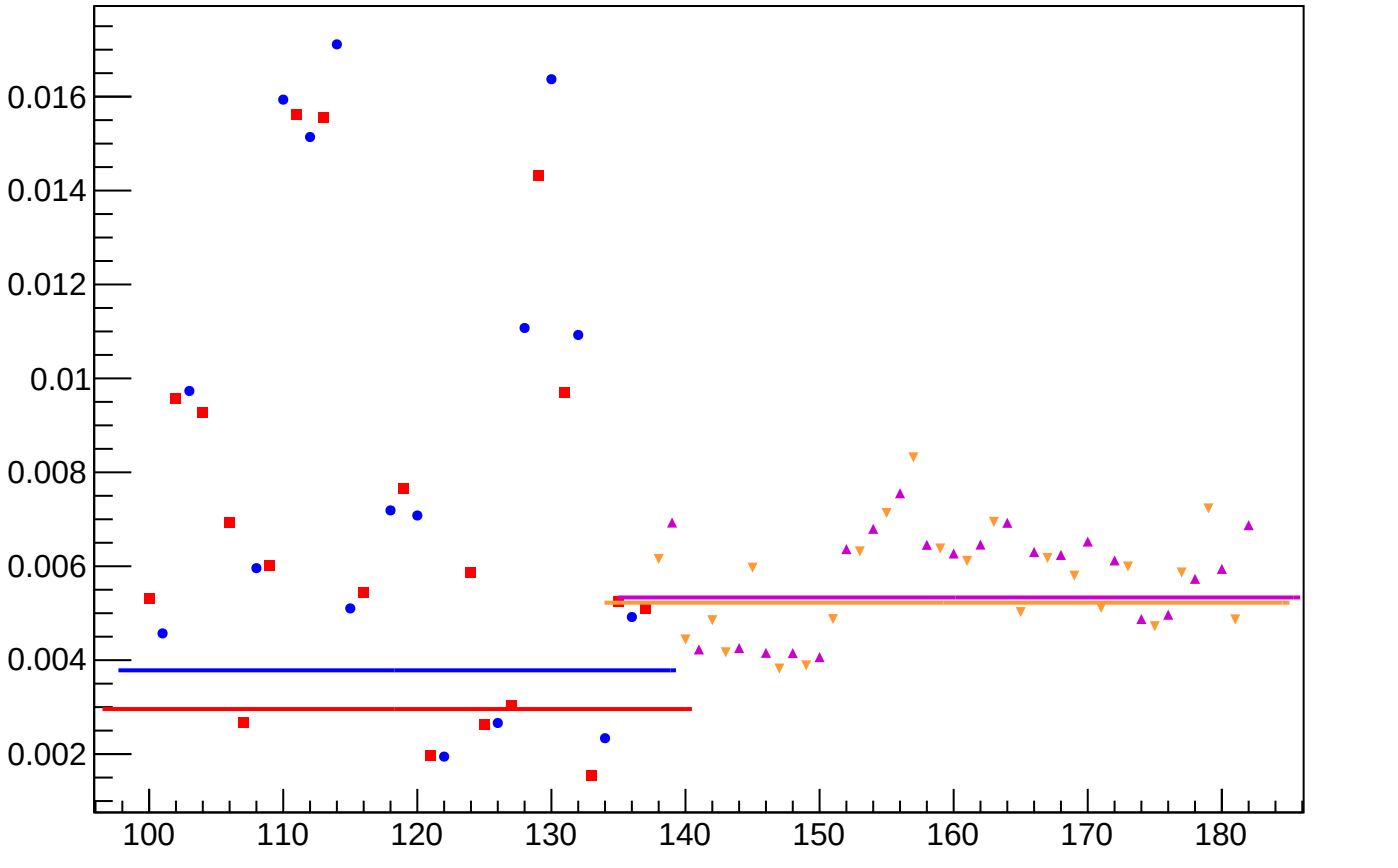
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.289+/-0.012 χ^2/NDF:1603853.1/37

Out: 79.497+/-0.011 χ^2/NDF:1494806.2/41

All: 79.885+/-0.008 χ^2/NDF: 3101072.1/79


asym_sam_26_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
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: -0.000+/-0.000 χ²/NDF:45.5/22
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: -0.000+/-0.000 χ²/NDF:18.4/21
Left: -0.000+/-0.000 χ²/NDF: 63.9/44
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:34.6/37
Out: -0.000+/-0.000 χ²/NDF:57.5/41
All: -0.000+/-0.000 χ²/NDF: 93.8/79



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1489347.6/22

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1508186.4/21

Left: 0.005+/-0.000 χ^2/NDF: 3005130.7/44

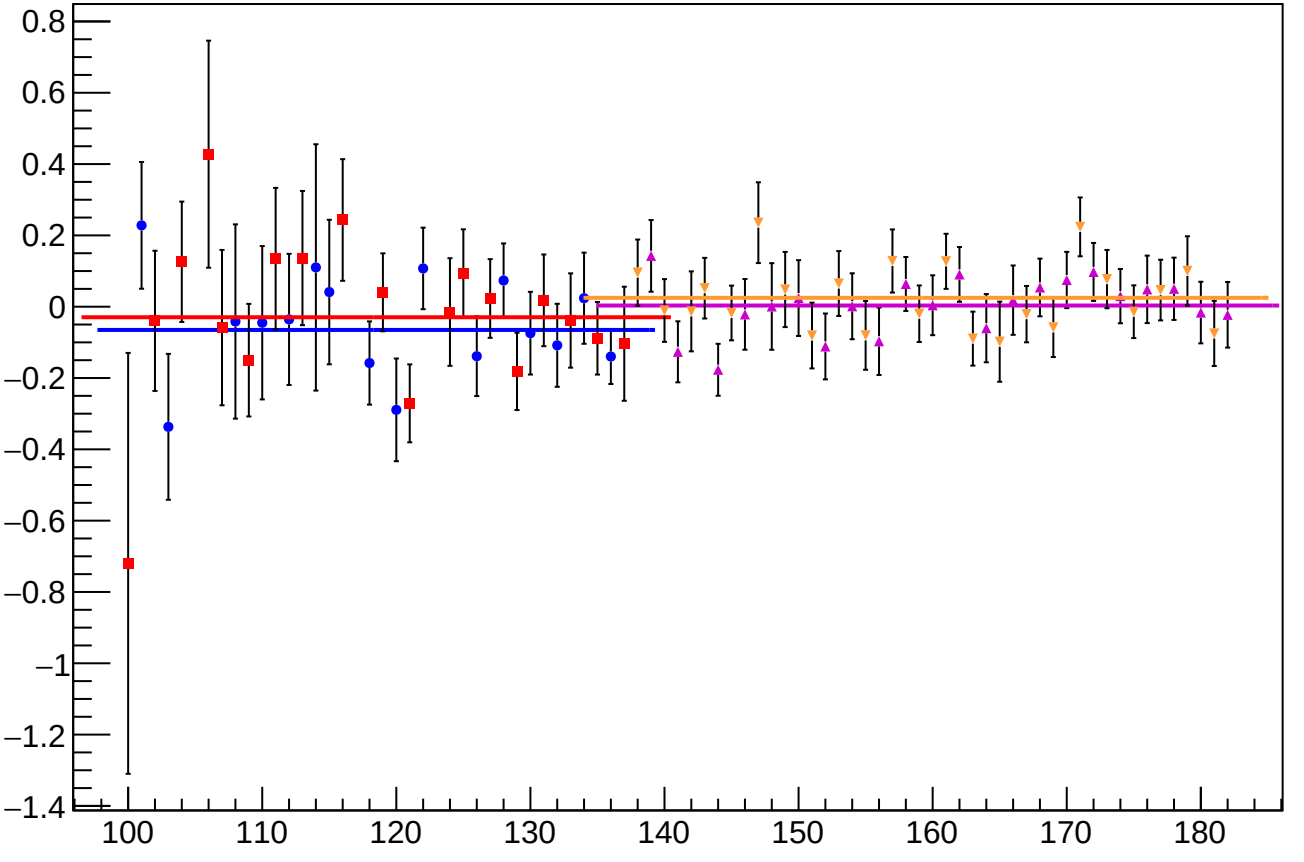
Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:7222364.2/37

Out: 0.004+/-0.000 χ^2/NDF:9938647.4/41

All: 0.004+/-0.000 χ^2/NDF: 17491205.0/79

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.018 χ^2/NDF:24.1/22

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.003+/-0.019 χ^2/NDF:18.8/21

Left: 0.014+/-0.013 χ^2/NDF: 43.6/44

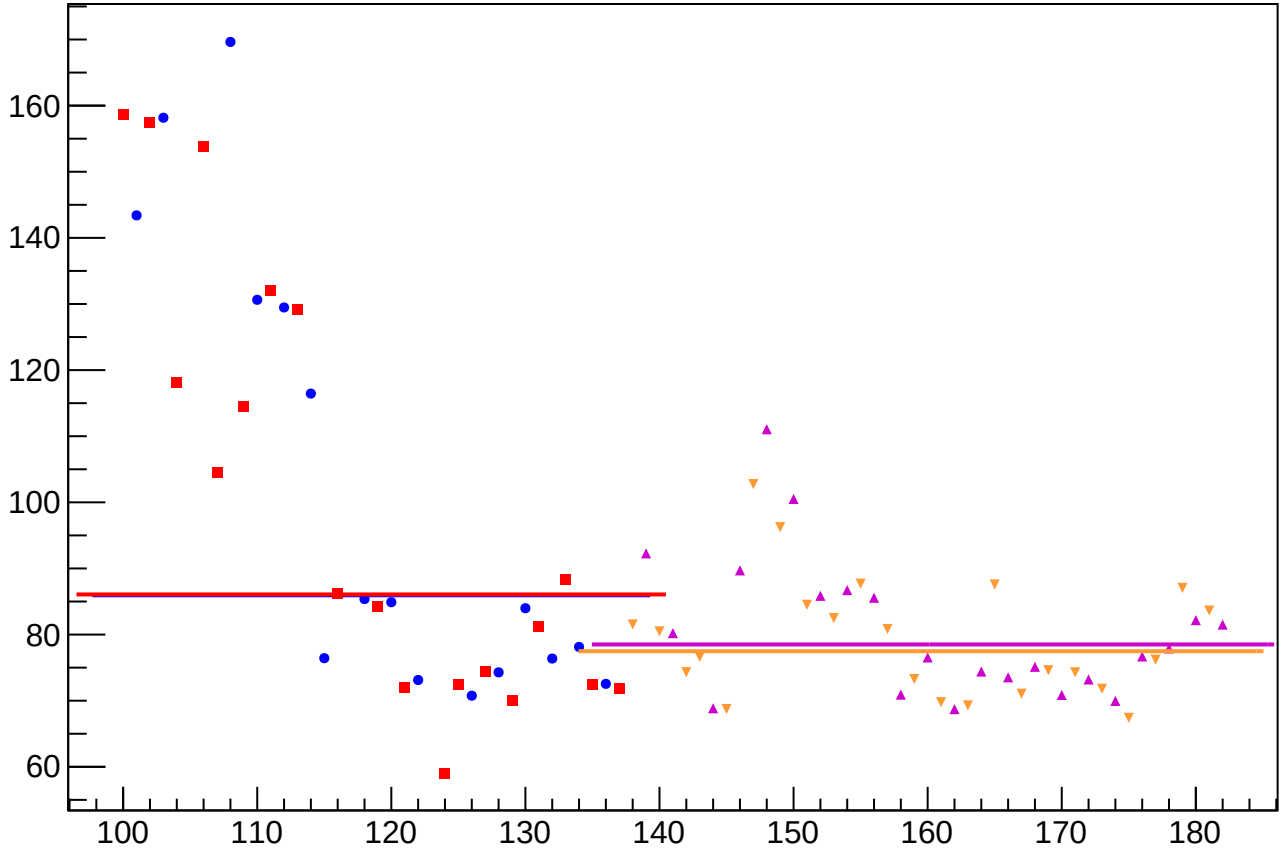
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.016 χ^2/NDF:36.2/37

Out: 0.012+/-0.016 χ^2/NDF:44.3/41

All: -0.000+/-0.011 χ^2/NDF: 81.7/79

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: 77.482+/-0.013 χ^2/NDF:399493.4/22

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.507+/-0.013 χ^2/NDF:493043.4/21

Left: 77.982+/-0.009 χ^2/NDF: 895617.0/44

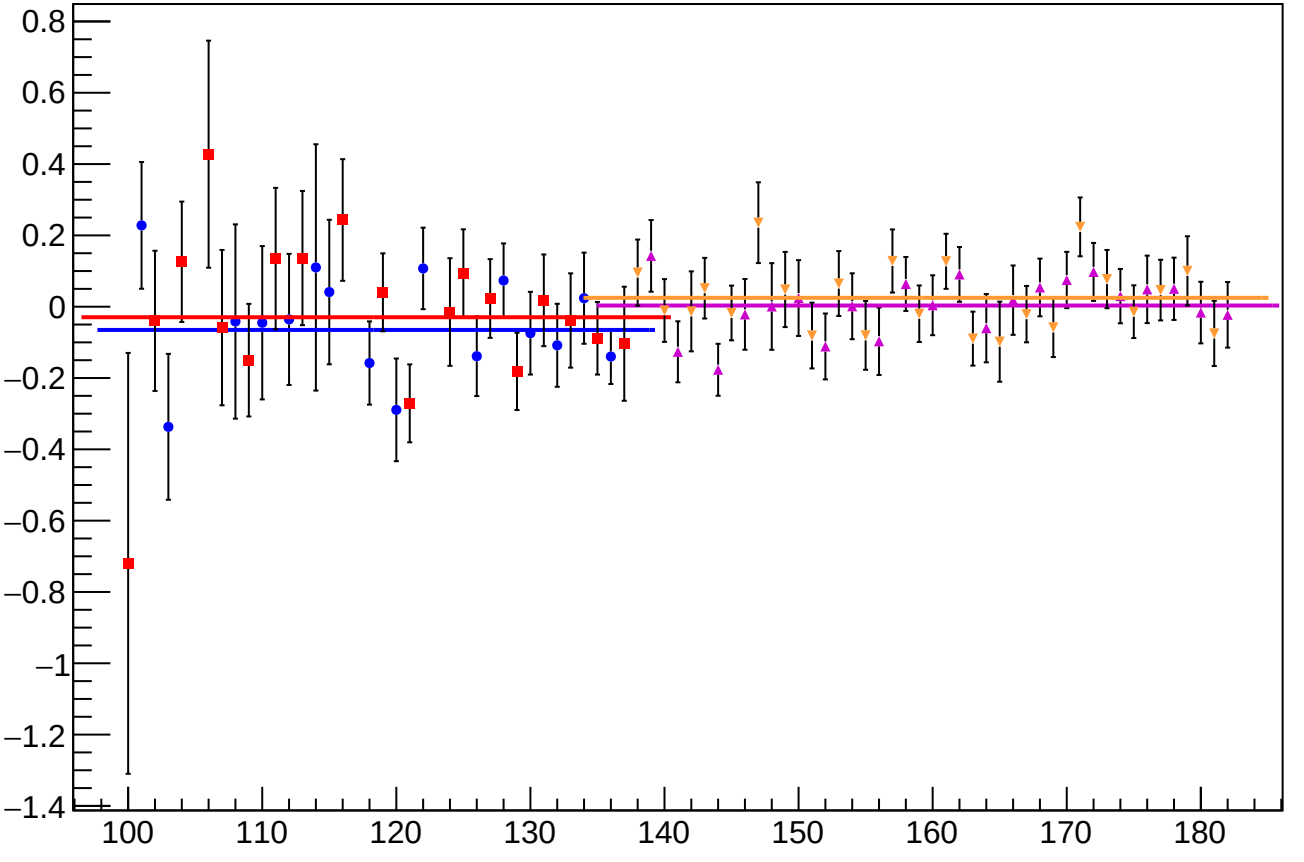
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.288+/-0.012 χ^2/NDF:1603839.3/37

Out: 79.496+/-0.011 χ^2/NDF:1494800.7/41

All: 79.884+/-0.008 χ^2/NDF: 3101050.9/79

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.018 χ^2/NDF:24.1/22

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.003+/-0.019 χ^2/NDF:18.8/21

Left: 0.014+/-0.013 χ^2/NDF: 43.6/44

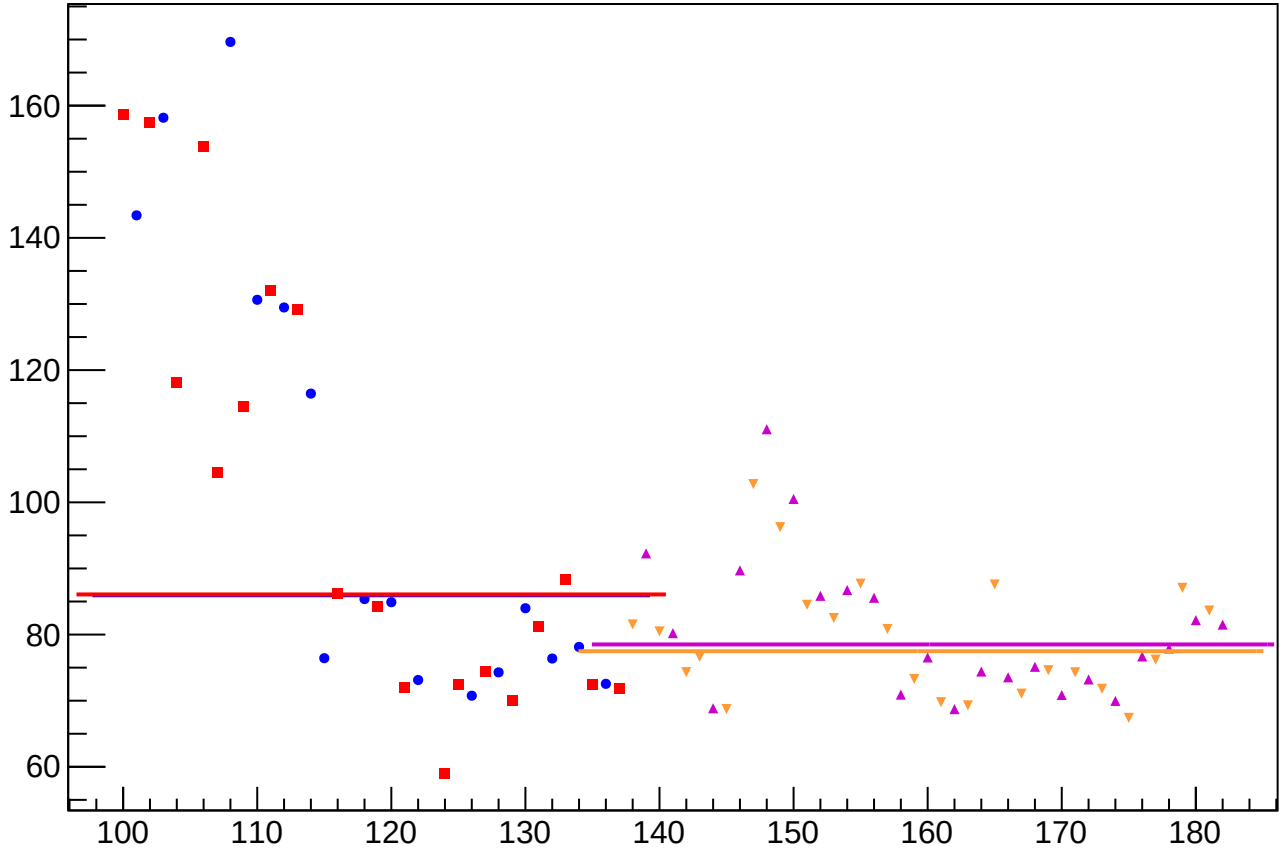
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.016 χ^2/NDF:36.2/37

Out: 0.012+/-0.016 χ^2/NDF:44.3/41

All: -0.000+/-0.011 χ^2/NDF: 81.7/79

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: 77.482+/-0.013 χ^2/NDF:399493.4/22

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.507+/-0.013 χ^2/NDF:493043.4/21

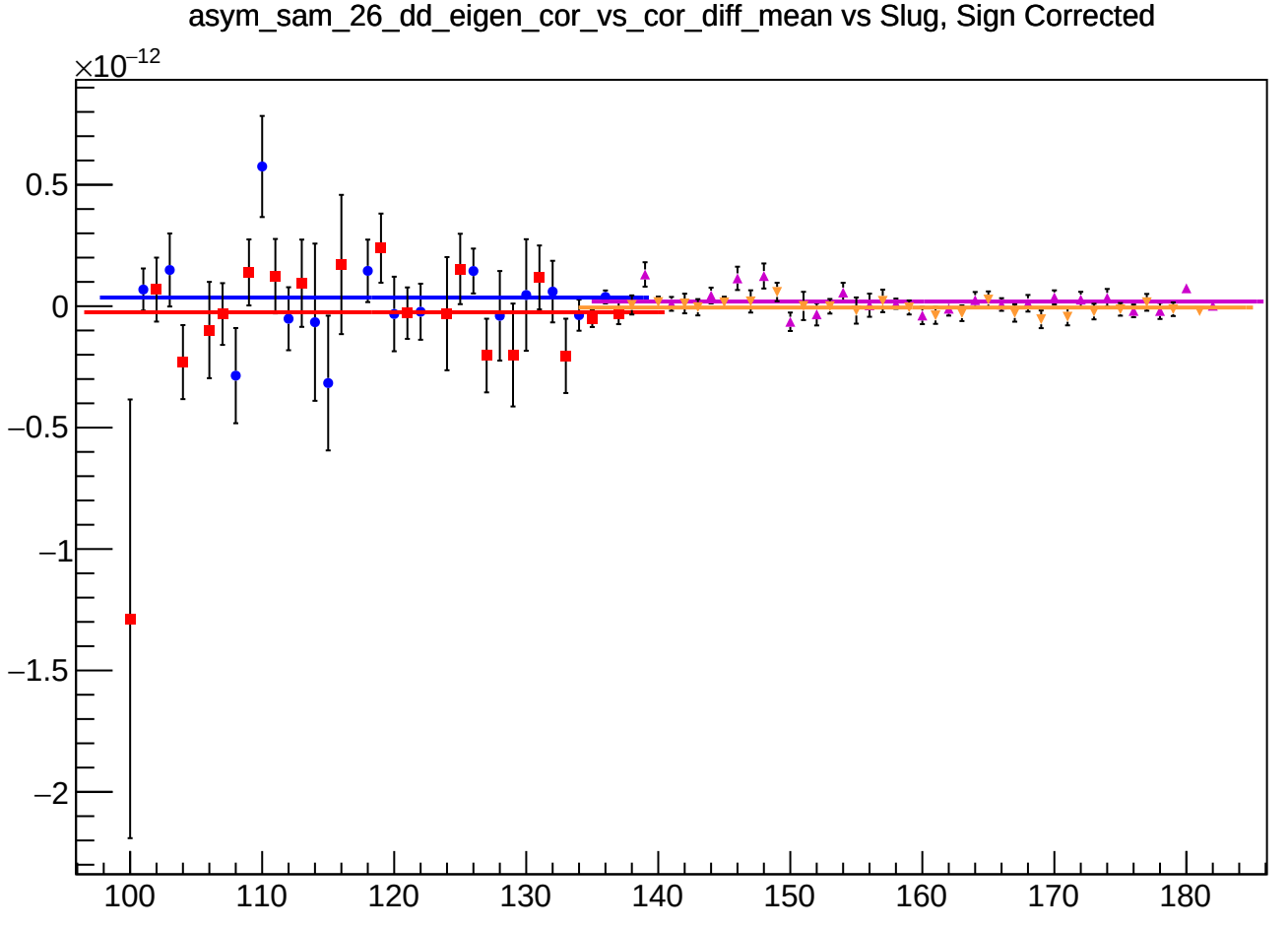
Left: 77.982+/-0.009 χ^2/NDF: 895617.0/44

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.288+/-0.012 χ^2/NDF:1603839.3/37

Out: 79.496+/-0.011 χ^2/NDF:1494800.7/41

All: 79.884+/-0.008 χ^2/NDF: 3101050.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:37.8/21

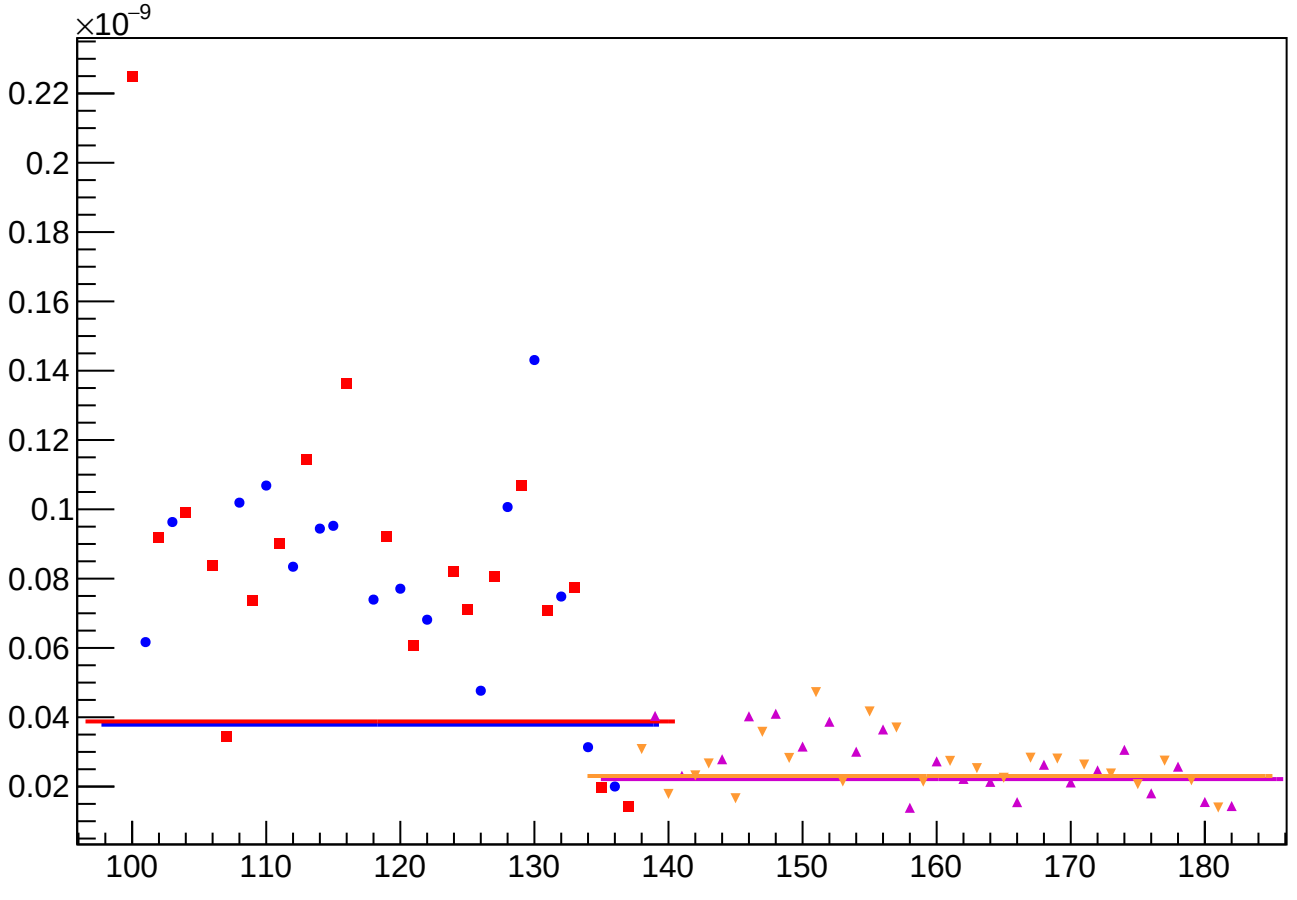
Left: 0.000+/-0.000 χ^2/NDF: 57.6/44

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:54.7/37

Out: -0.000+/-0.000 χ^2/NDF:31.3/41

All: 0.000+/-0.000 χ^2/NDF: 95.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2030060.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2773964.0/21

Left: 0.000+/-0.000 χ^2/NDF: 4822657.4/44

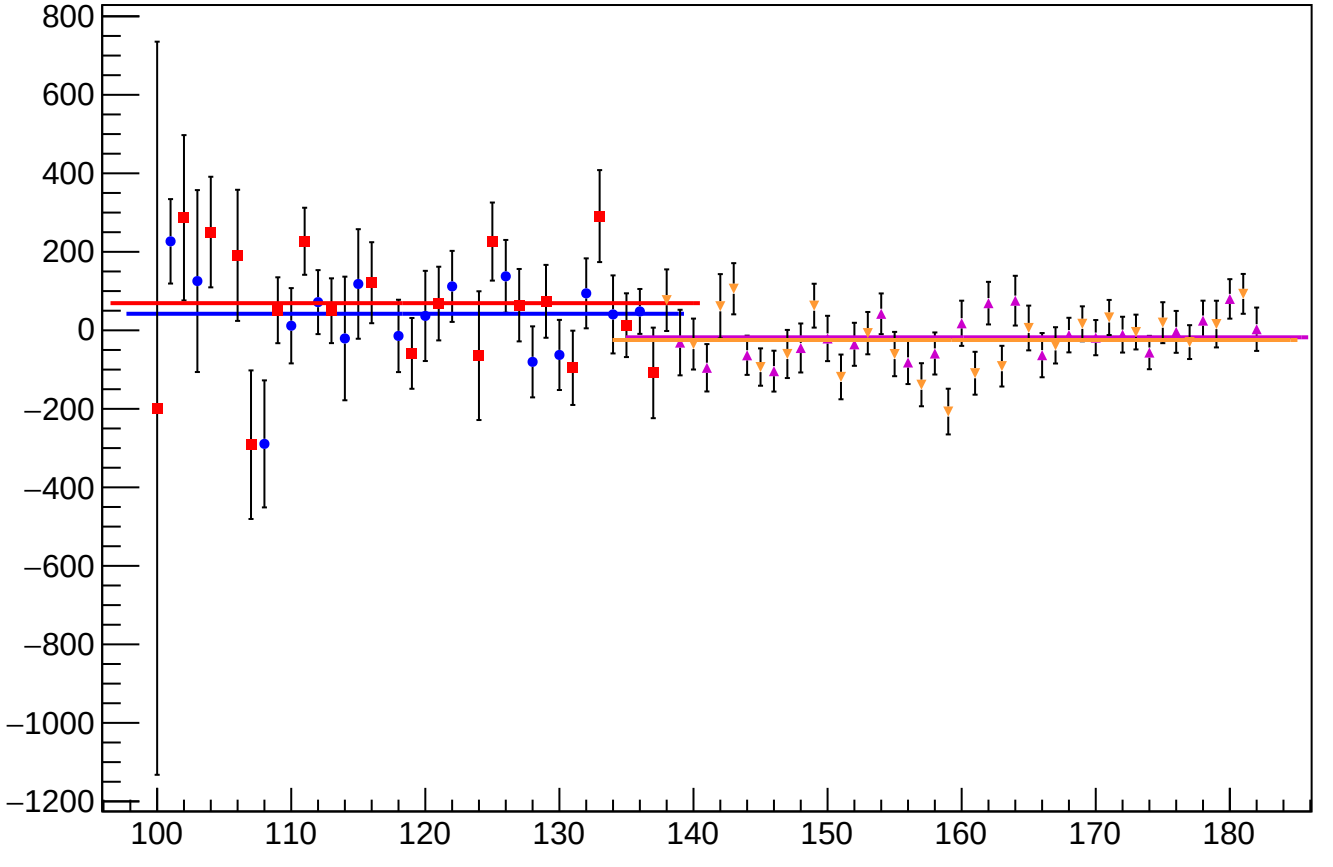
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:7284903.8/37

Out: 0.000+/-0.000 χ^2/NDF:7077772.0/41

All: 0.000+/-0.000 χ^2/NDF: 14377001.0/79

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -24.620+/-11.196 χ^2/NDF:42.7/22

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -17.756+/-11.292 χ^2/NDF:20.2/21

Left: -21.217+/-7.951 χ^2/NDF: 63.1/44

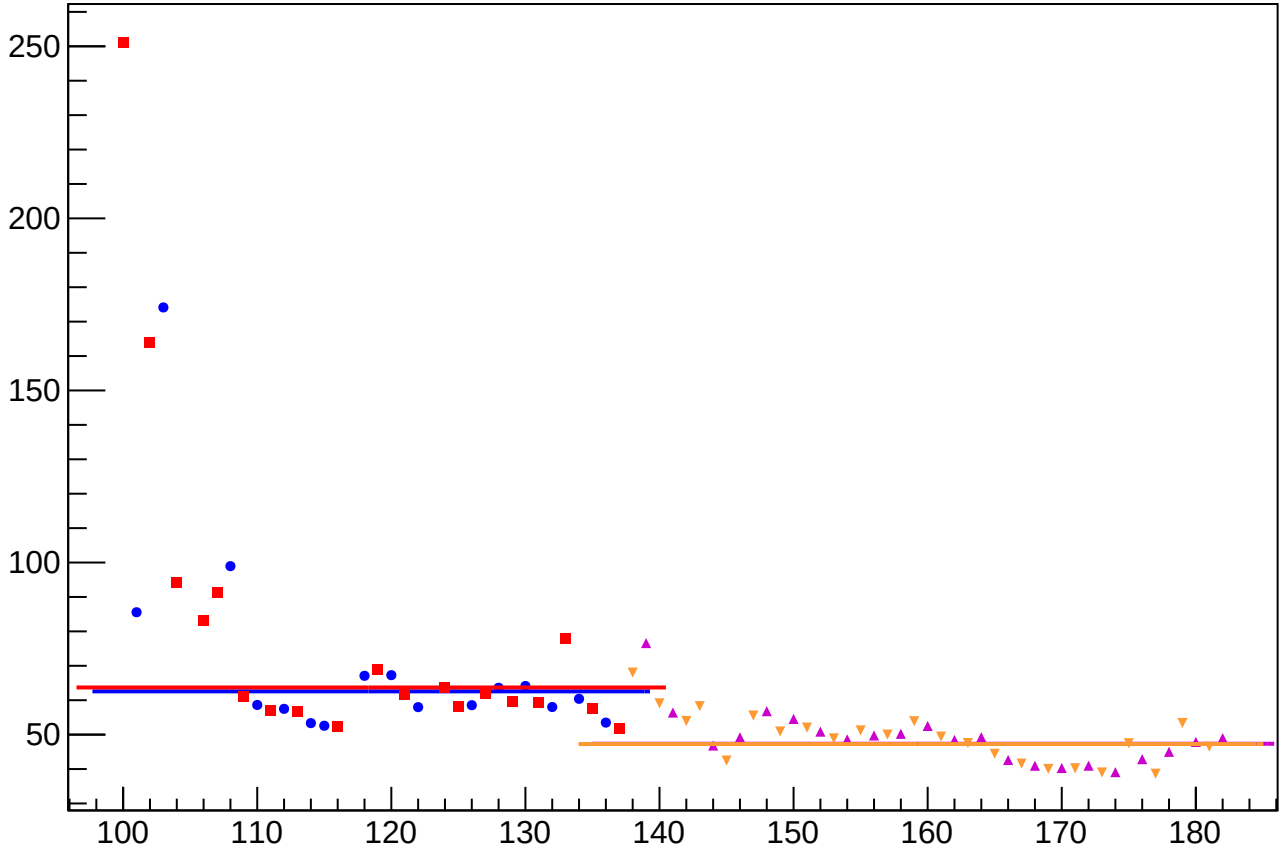
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -7.037+/-10.234 χ^2/NDF:38.8/37

Out: -8.315+/-10.177 χ^2/NDF:80.3/41

All: -7.679+/-7.216 χ^2/NDF: 119.1/79

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.261+/-0.008 χ^2/NDF:710369.5/22

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.348+/-0.008 χ^2/NDF:648560.3/21

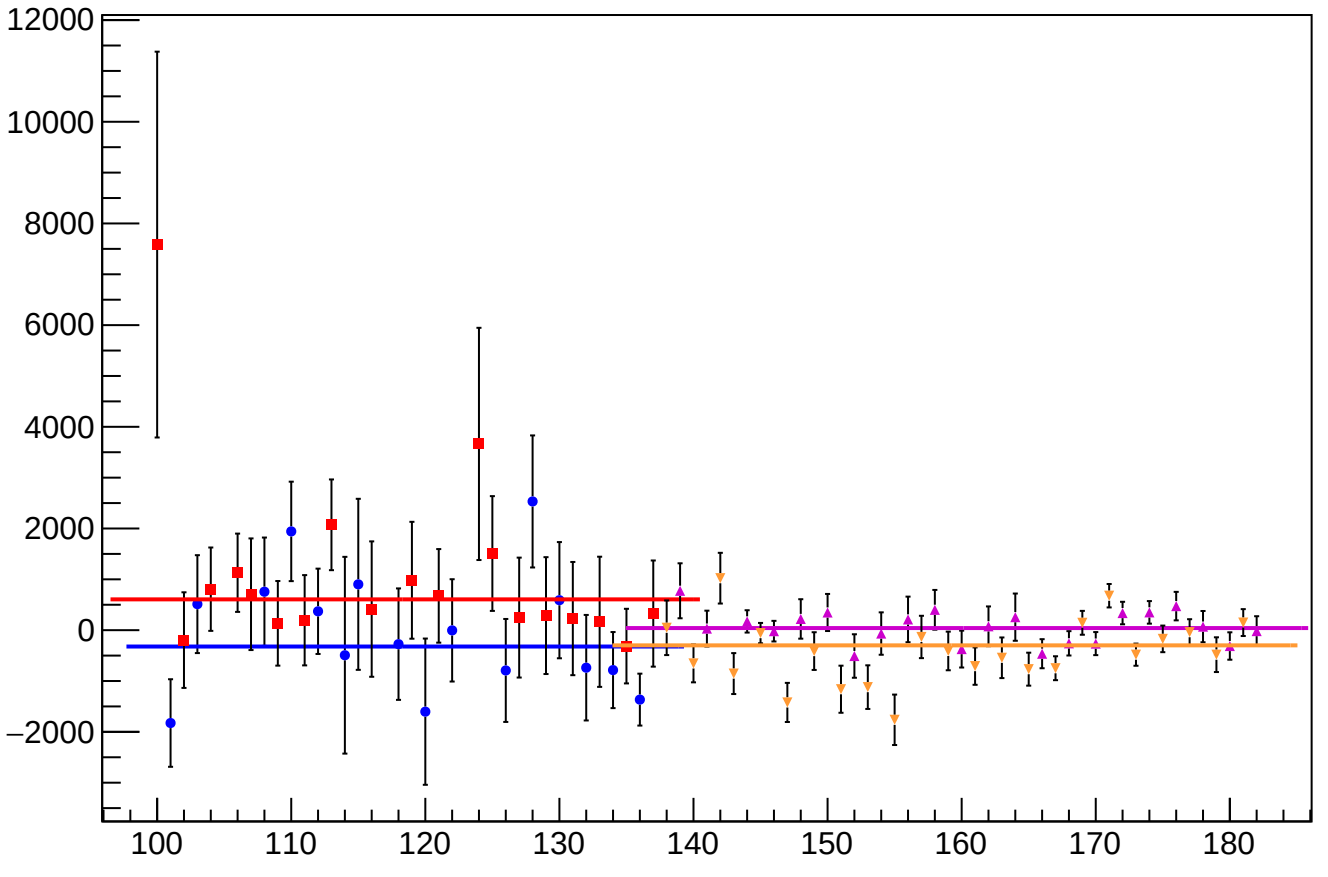
Left: 47.304+/-0.006 χ^2/NDF: 1358989.0/44

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 50.067+/-0.007 χ^2/NDF:2056330.1/37

Out: 50.116+/-0.007 χ^2/NDF:2293495.6/41

All: 50.092+/-0.005 χ^2/NDF: 4349848.9/79



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -298.773+/-64.708 χ^2/NDF:70.4/22

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 41.451+/-63.130 χ^2/NDF:21.8/21

Left: -124.462+/-45.187 χ^2/NDF: 106.4/44

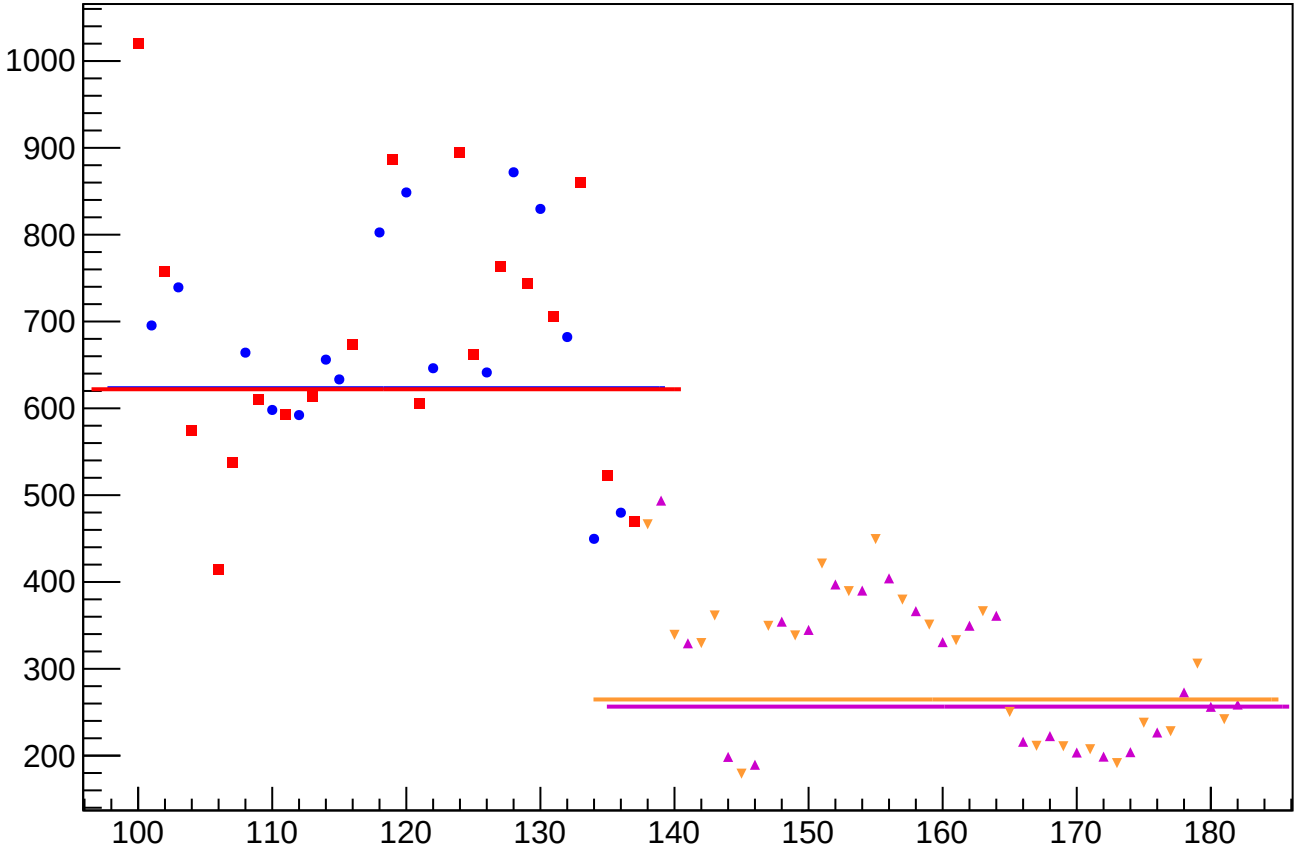
Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 17.672+/-61.028 χ^2/NDF:46.7/37

Out: -234.328+/-62.360 χ^2/NDF:96.8/41

All: -105.606+/-43.617 χ^2/NDF: 151.8/79

asym_sam_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 264.707+/-0.046 χ^2/NDF:2848779.8/22

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 256.449+/-0.045 χ^2/NDF:2633856.9/21

Left: 260.476+/-0.032 χ^2/NDF: 5499322.1/44

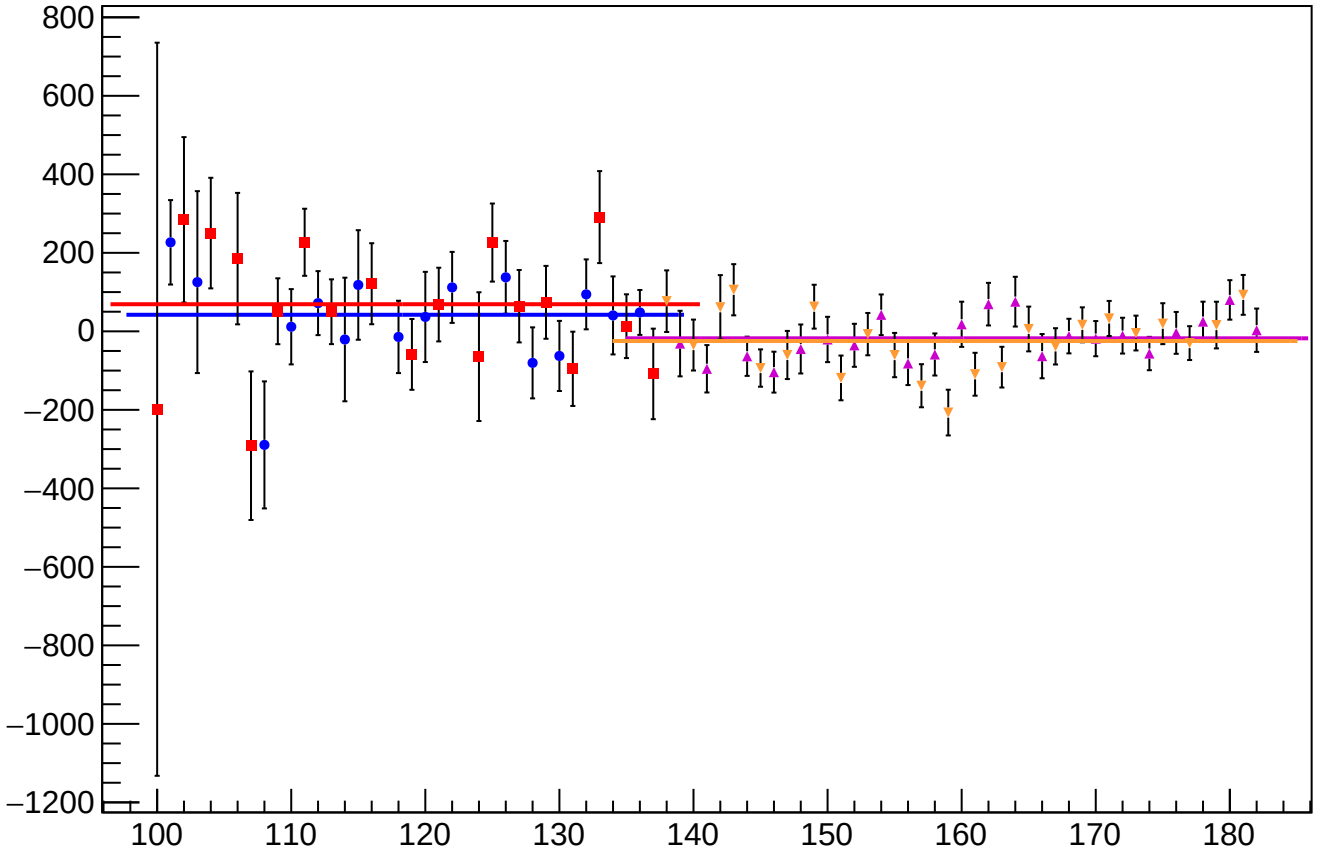
Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 280.465+/-0.043 χ^2/NDF:7619162.1/37

Out: 290.158+/-0.044 χ^2/NDF:7774646.9/41

All: 285.207+/-0.031 χ^2/NDF: 15418490.2/79

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -24.618+/-11.196 χ^2/NDF:42.7/22

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -17.753+/-11.292 χ^2/NDF:20.2/21

Left: -21.215+/-7.951 χ^2/NDF: 63.1/44

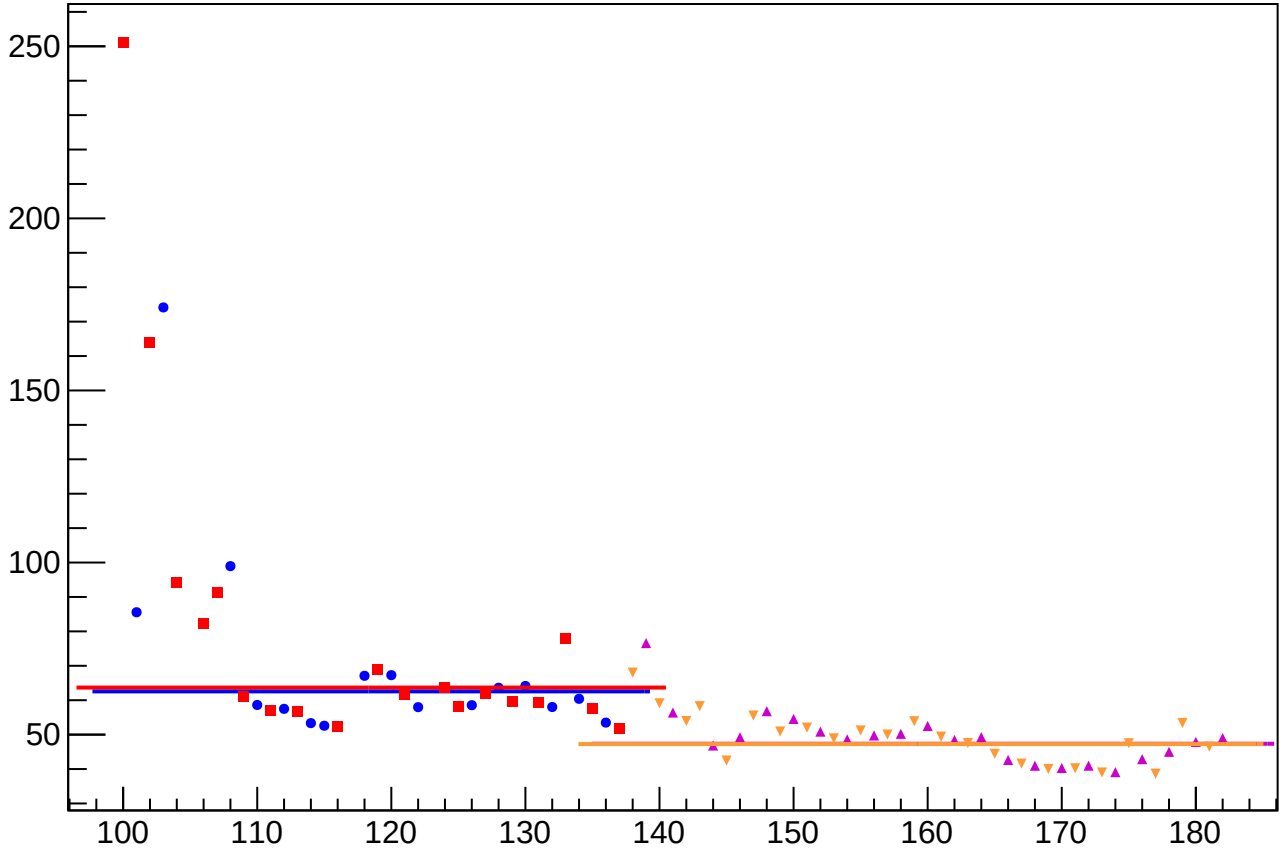
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -7.036+/-10.234 χ^2/NDF:38.8/37

Out: -8.346+/-10.177 χ^2/NDF:80.2/41

All: -7.695+/-7.216 χ^2/NDF: 119.0/79

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.261+/-0.008 χ^2/NDF:710369.4/22

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.348+/-0.008 χ^2/NDF:648560.3/21

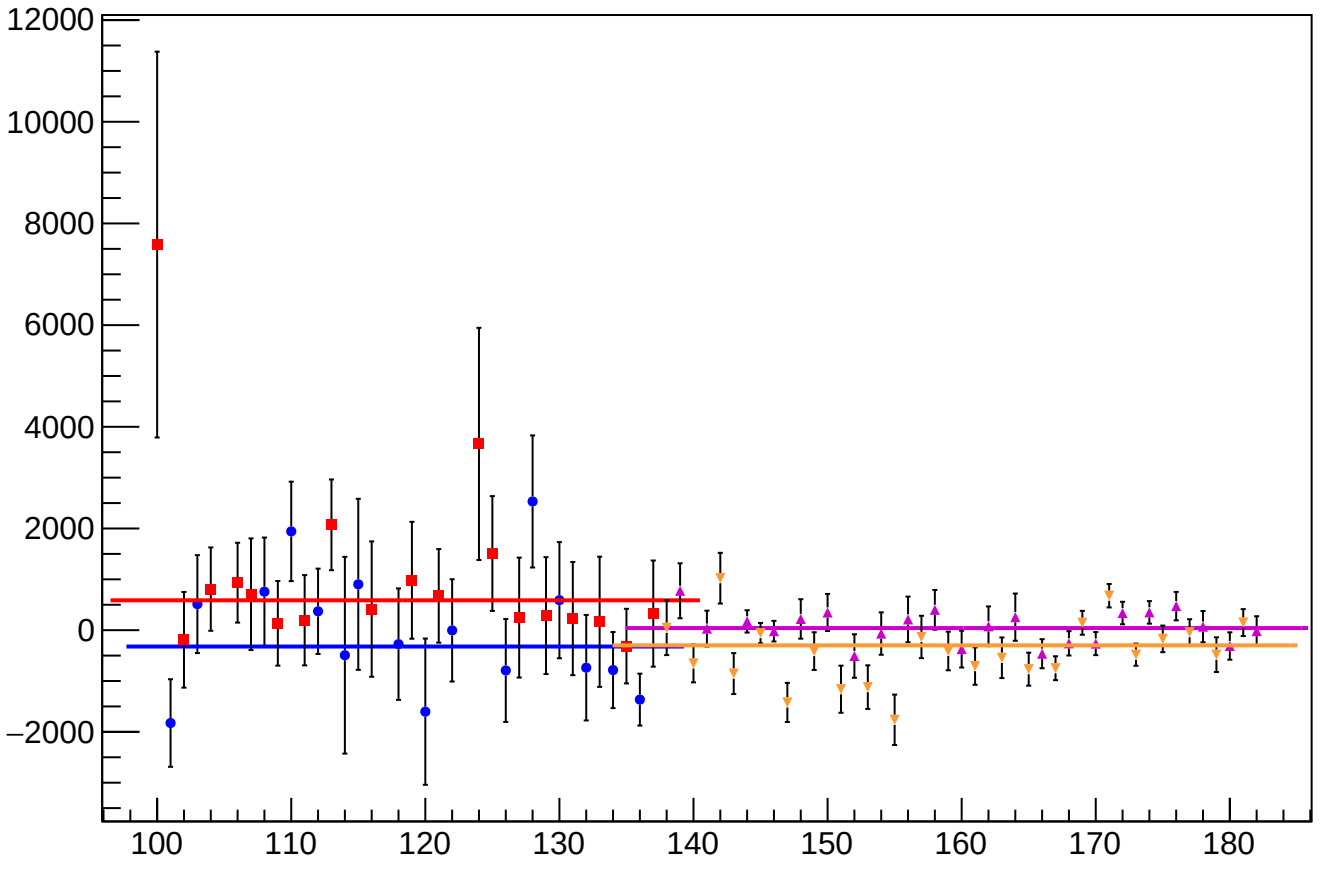
Left: 47.304+/-0.006 χ^2/NDF: 1358989.0/44

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.067+/-0.007 χ^2/NDF:2056331.9/37

Out: 50.112+/-0.007 χ^2/NDF:2288474.8/41

All: 50.090+/-0.005 χ^2/NDF: 4344825.8/79



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -298.769+/-64.708 χ^2/NDF:70.4/22

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 41.453+/-63.130 χ^2/NDF:21.8/21

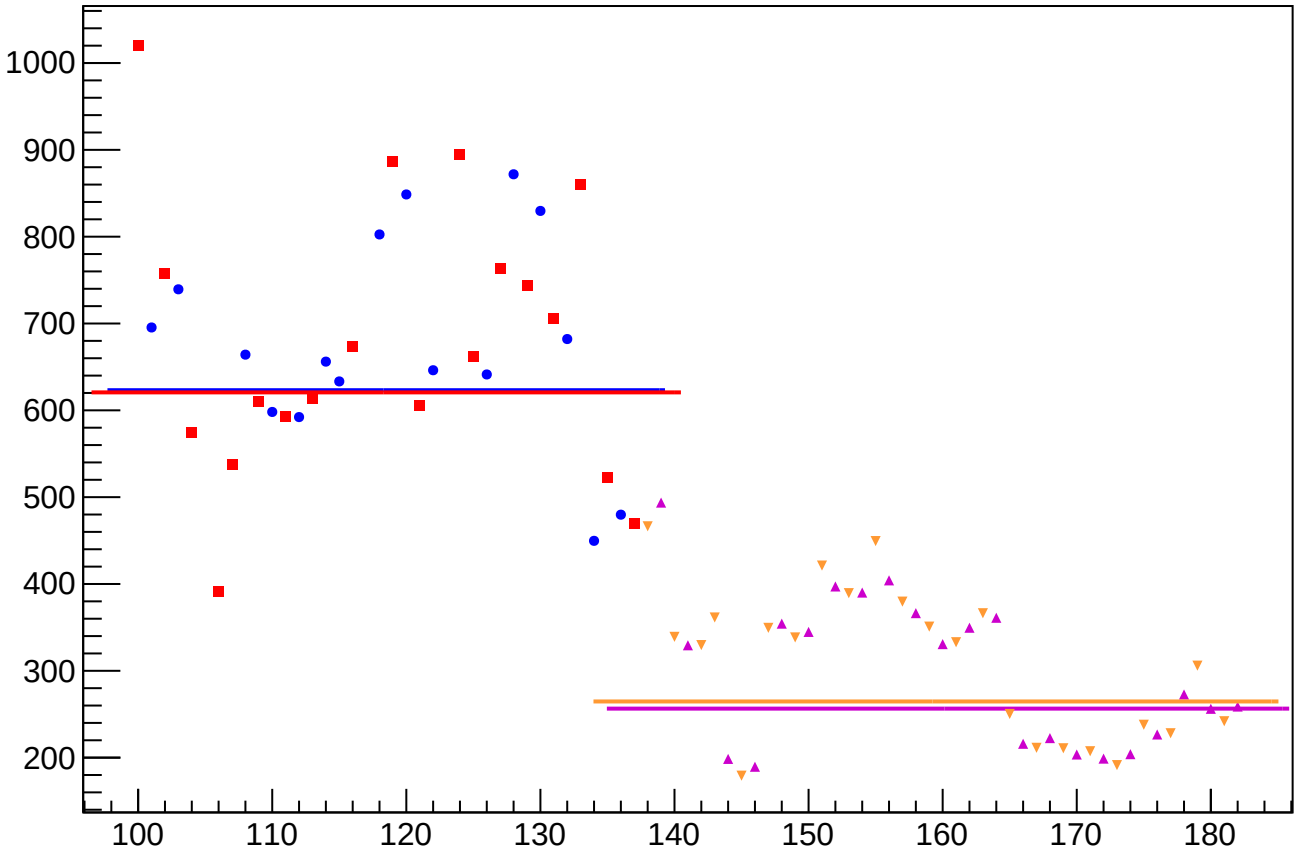
Left: -124.459+/-45.187 χ^2/NDF: 106.4/44

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 17.675+/-61.028 χ^2/NDF:46.7/37

Out: -235.871+/-62.369 χ^2/NDF:95.9/41

All: -106.343+/-43.619 χ^2/NDF: 151.0/79



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 264.706+/-0.046 χ^2/NDF:2848786.3/22

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 256.449+/-0.045 χ^2/NDF:2633852.0/21

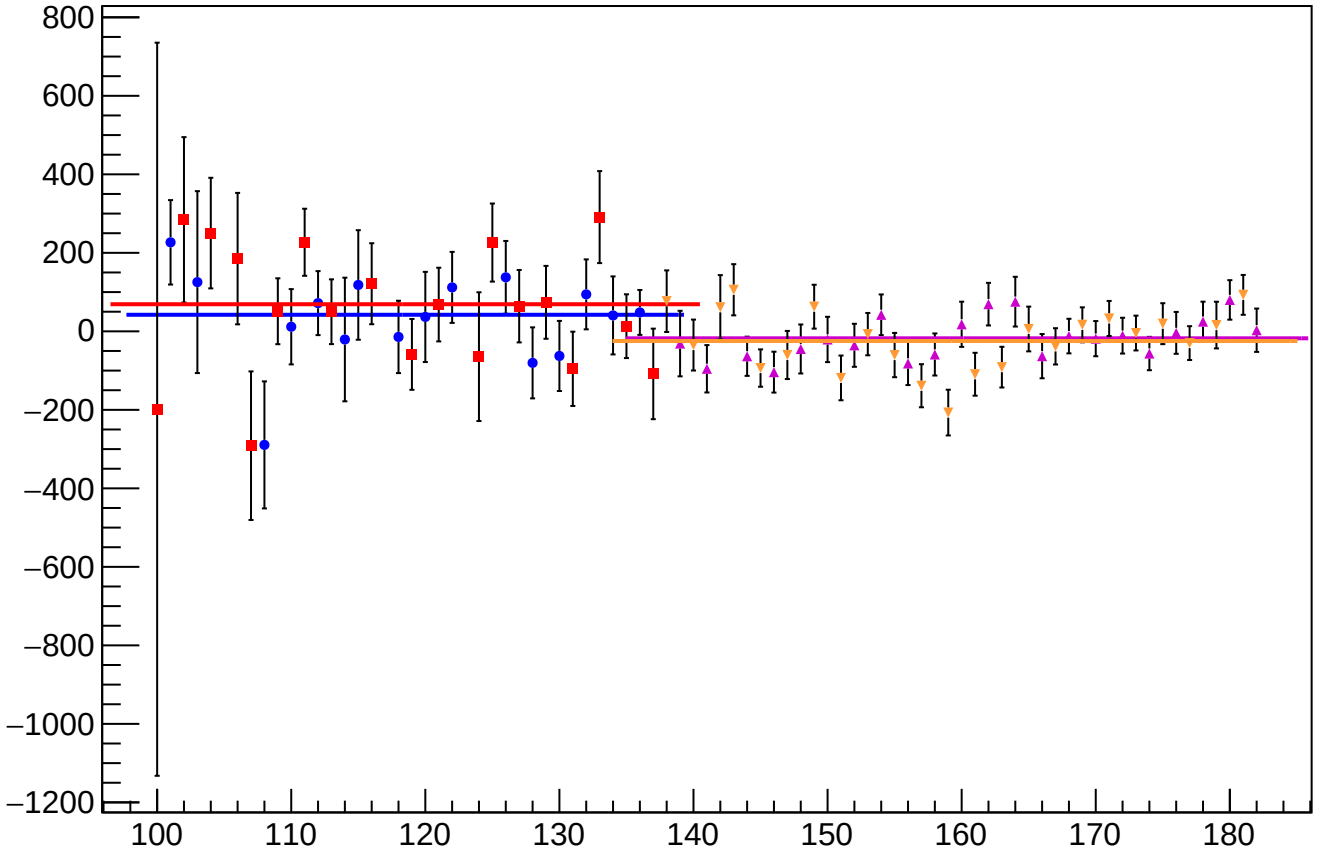
Left: 260.476+/-0.032 χ^2/NDF: 5499322.7/44

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 280.465+/-0.043 χ^2/NDF:7619206.1/37

Out: 289.977+/-0.044 χ^2/NDF:7756059.2/41

All: 285.117+/-0.031 χ^2/NDF: 15399031.4/79



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -24.618+/-11.196 χ^2/NDF:42.7/22

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -17.753+/-11.292 χ^2/NDF:20.2/21

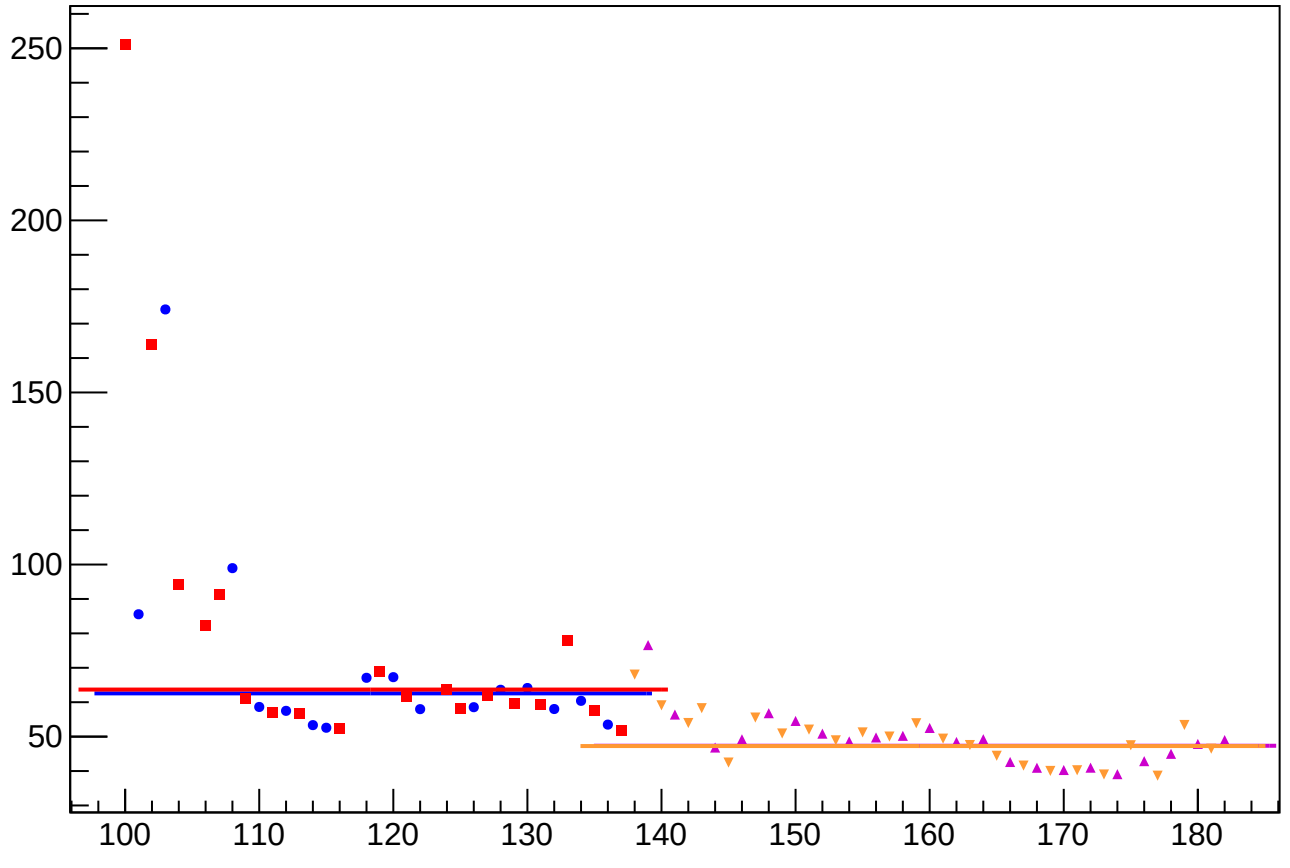
Left: -21.215+/-7.951 χ^2/NDF: 63.1/44

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -7.036+/-10.234 χ^2/NDF:38.8/37

Out: -8.346+/-10.177 χ^2/NDF:80.2/41

All: -7.695+/-7.216 χ^2/NDF: 119.0/79



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.261+/-0.008 χ^2/NDF:710369.4/22

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.348+/-0.008 χ^2/NDF:648560.3/21

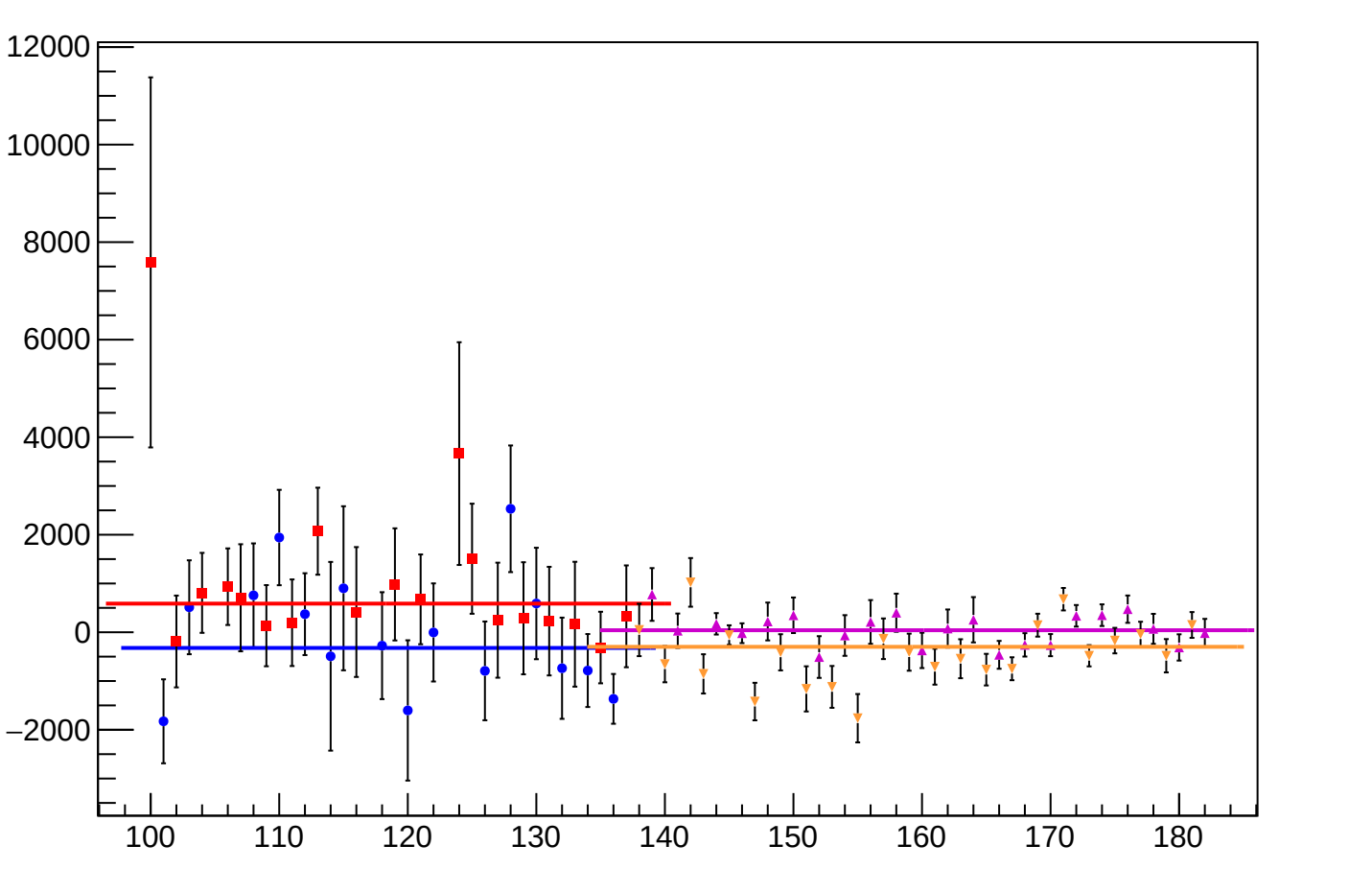
Left: 47.304+/-0.006 χ^2/NDF: 1358989.0/44

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.067+/-0.007 χ^2/NDF:2056331.9/37

Out: 50.112+/-0.007 χ^2/NDF:2288474.8/41

All: 50.090+/-0.005 χ^2/NDF: 4344825.8/79



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -298.769+/-64.708 χ^2/NDF:70.4/22

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 41.453+/-63.130 χ^2/NDF:21.8/21

Left: -124.459+/-45.187 χ^2/NDF: 106.4/44

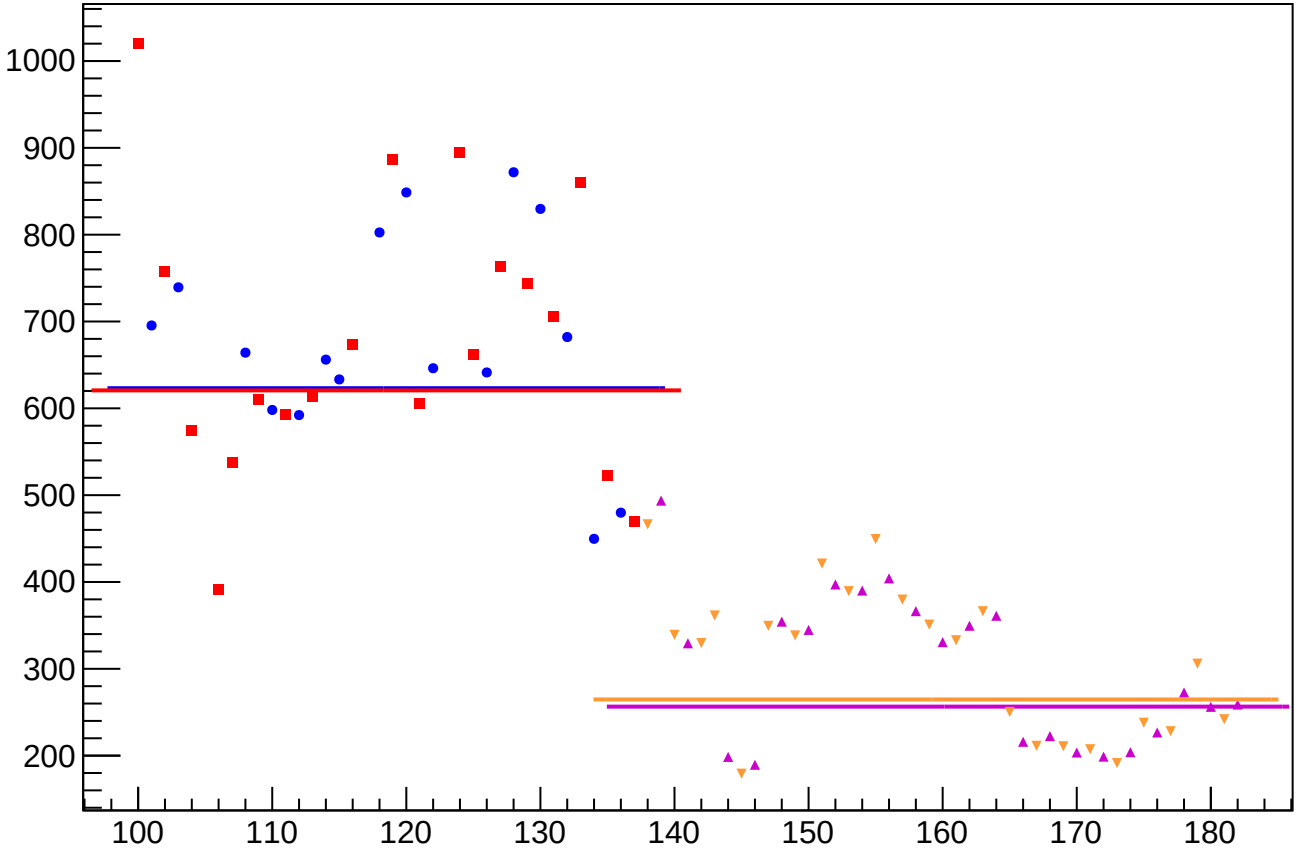
Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 17.675+/-61.028 χ^2/NDF:46.7/37

Out: -235.871+/-62.369 χ^2/NDF:95.9/41

All: -106.343+/-43.619 χ^2/NDF: 151.0/79

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: 264.706+/-0.046 χ^2/NDF:2848786.3/22

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 256.449+/-0.045 χ^2/NDF:2633852.0/21

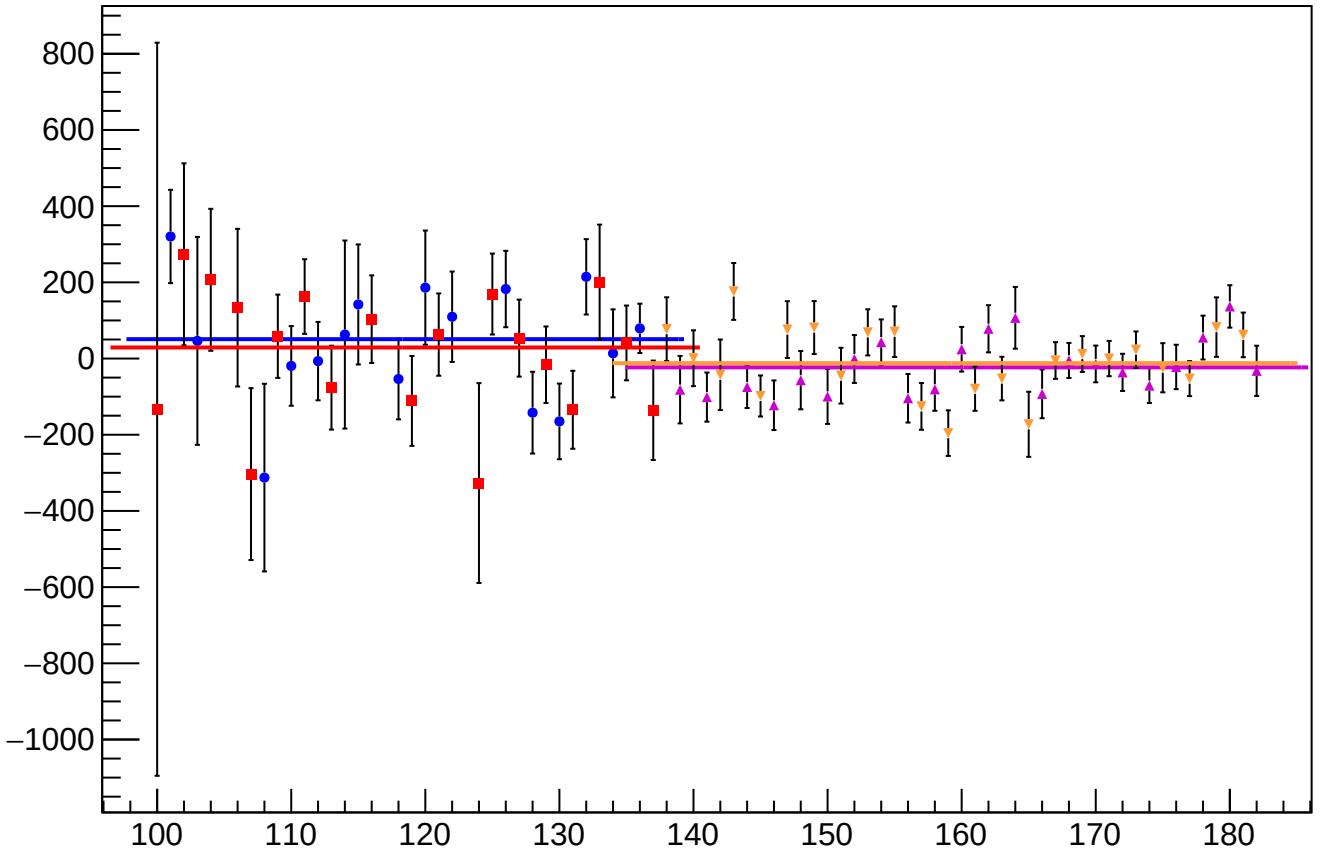
Left: 260.476+/-0.032 χ^2/NDF: 5499322.7/44

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 280.465+/-0.043 χ^2/NDF:7619206.1/37

Out: 289.977+/-0.044 χ^2/NDF:7756059.2/41

All: 285.117+/-0.031 χ^2/NDF: 15399031.4/79



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -12.162+/-12.616 χ^2/NDF:39.9/22

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -23.177+/-12.611 χ^2/NDF:29.0/21

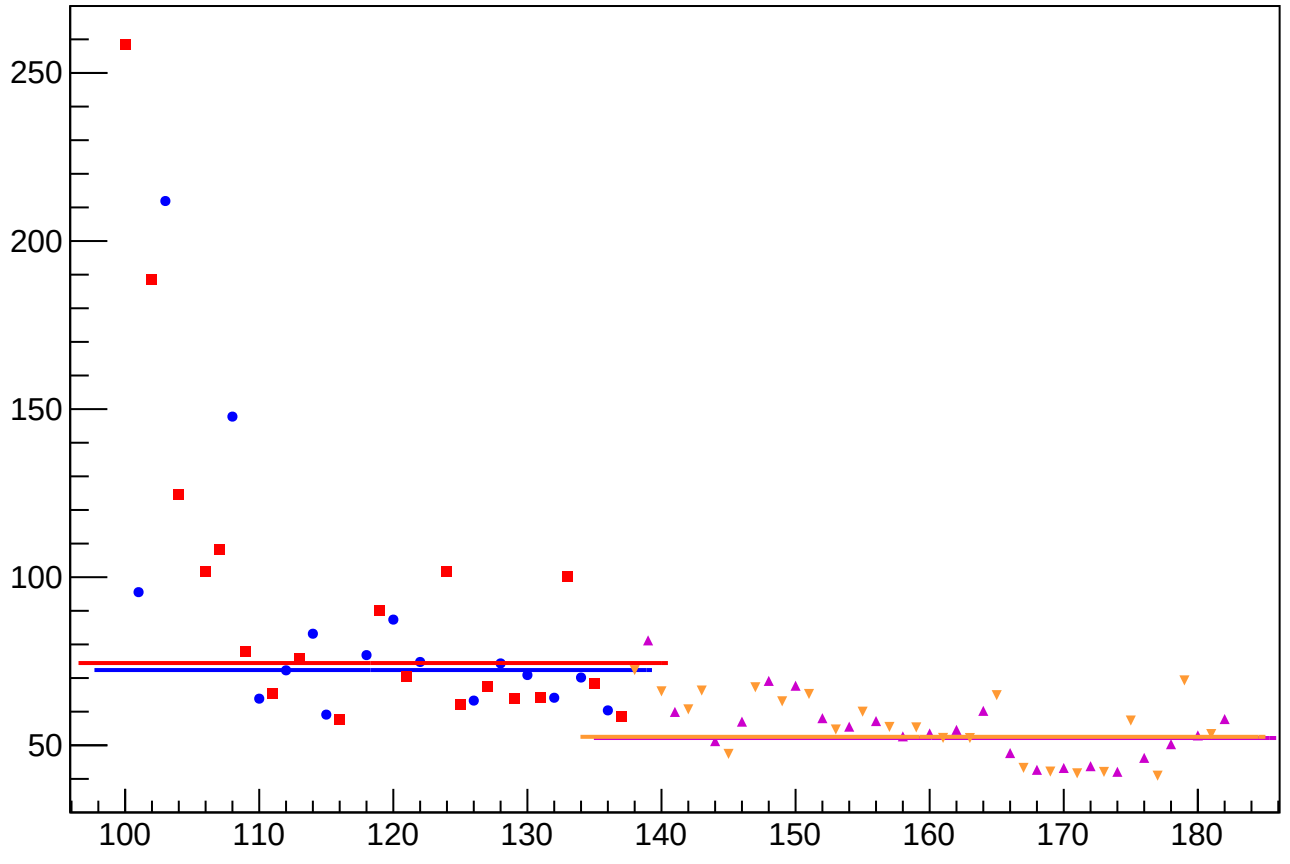
Left: -17.672+/-8.919 χ^2/NDF: 69.3/44

Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -10.925+/-11.520 χ^2/NDF:57.6/37

Out: -5.570+/-11.563 χ^2/NDF:60.2/41

All: -8.258+/-8.161 χ^2/NDF: 117.8/79



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.518+/-0.009 χ^2/NDF:1152031.0/22

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 52.161+/-0.009 χ^2/NDF:863724.0/21

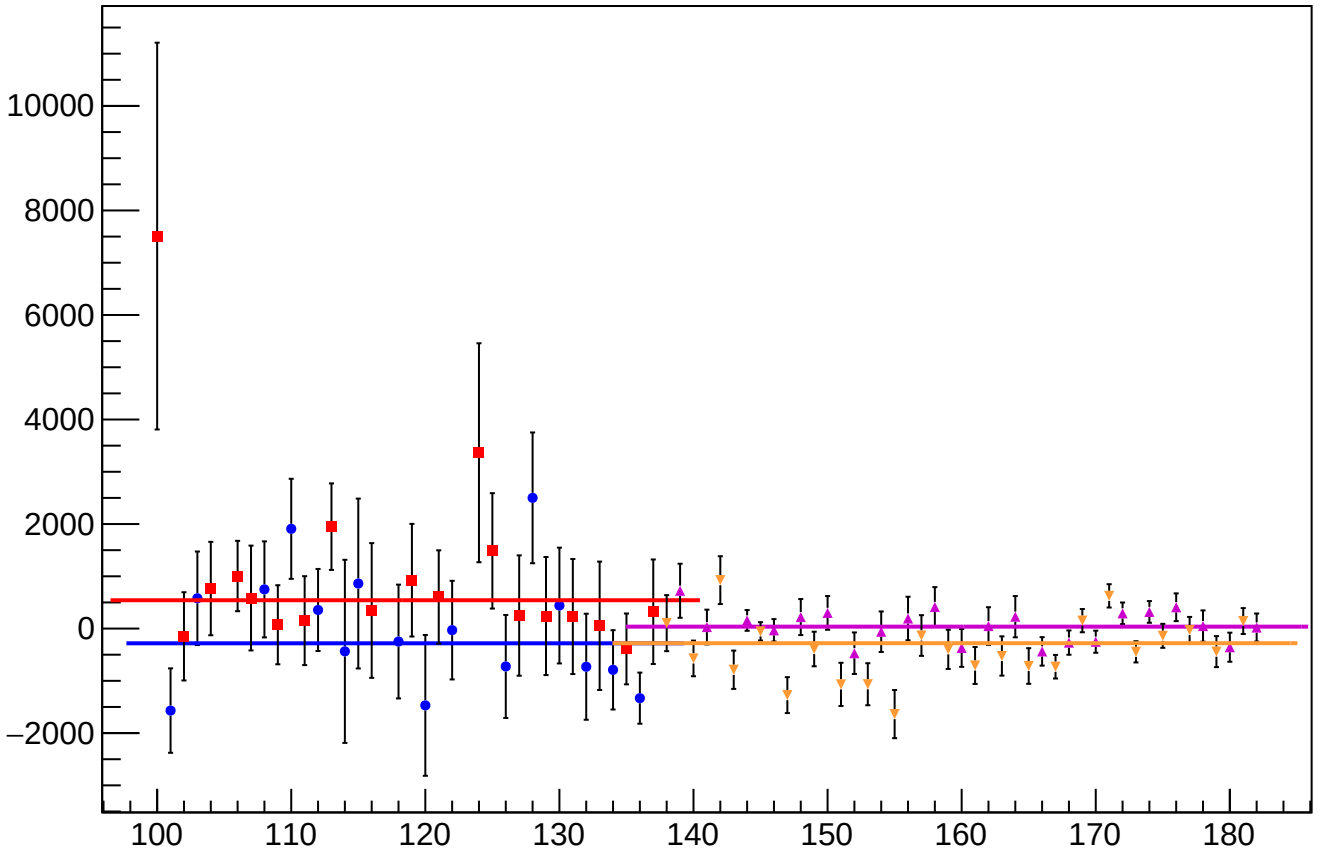
Left: 52.340+/-0.006 χ^2/NDF: 2016552.9/44

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 55.508+/-0.008 χ^2/NDF:2652600.2/37

Out: 56.029+/-0.008 χ^2/NDF:3172449.0/41

All: 55.767+/-0.006 χ^2/NDF: 5827086.0/79



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -279.984+/-60.278 χ^2/NDF:69.6/22

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 36.636+/-59.922 χ^2/NDF:21.4/21

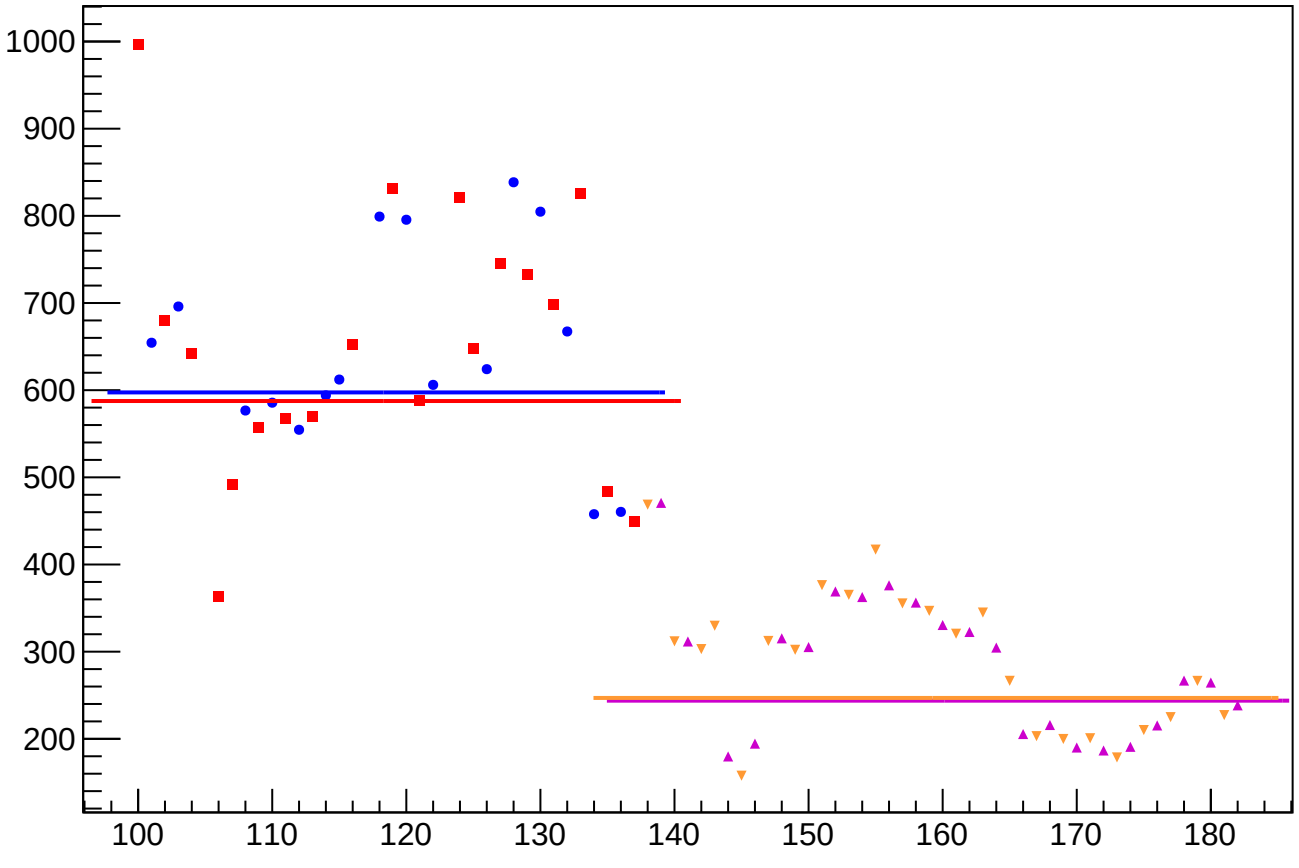
Left: -120.735+/-42.496 χ^2/NDF: 104.9/44

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 16.011+/-57.950 χ^2/NDF:46.0/37

Out: -223.020+/-58.152 χ^2/NDF:95.8/41

All: -103.089+/-41.048 χ^2/NDF: 150.3/79



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 246.918+/-0.043 χ^2/NDF:2925629.4/22

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 243.802+/-0.042 χ^2/NDF:2490528.4/21

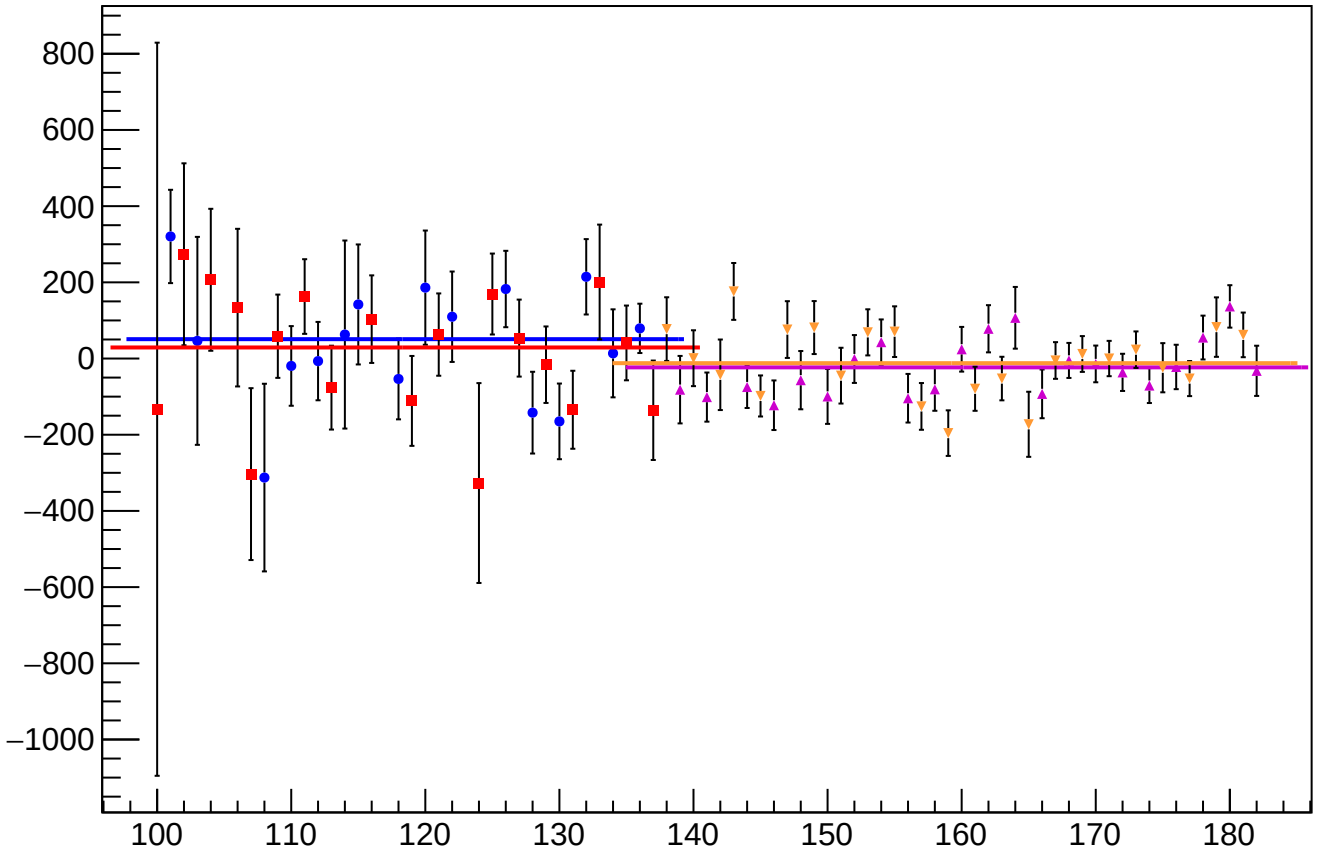
Left: 245.351+/-0.030 χ^2/NDF: 5418846.2/44

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 266.689+/-0.041 χ^2/NDF:7532681.6/37

Out: 270.524+/-0.041 χ^2/NDF:8040983.4/41

All: 268.600+/-0.029 χ^2/NDF: 15578028.6/79



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -12.161+/-12.616 χ^2/NDF:39.9/22

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -23.178+/-12.611 χ^2/NDF:29.0/21

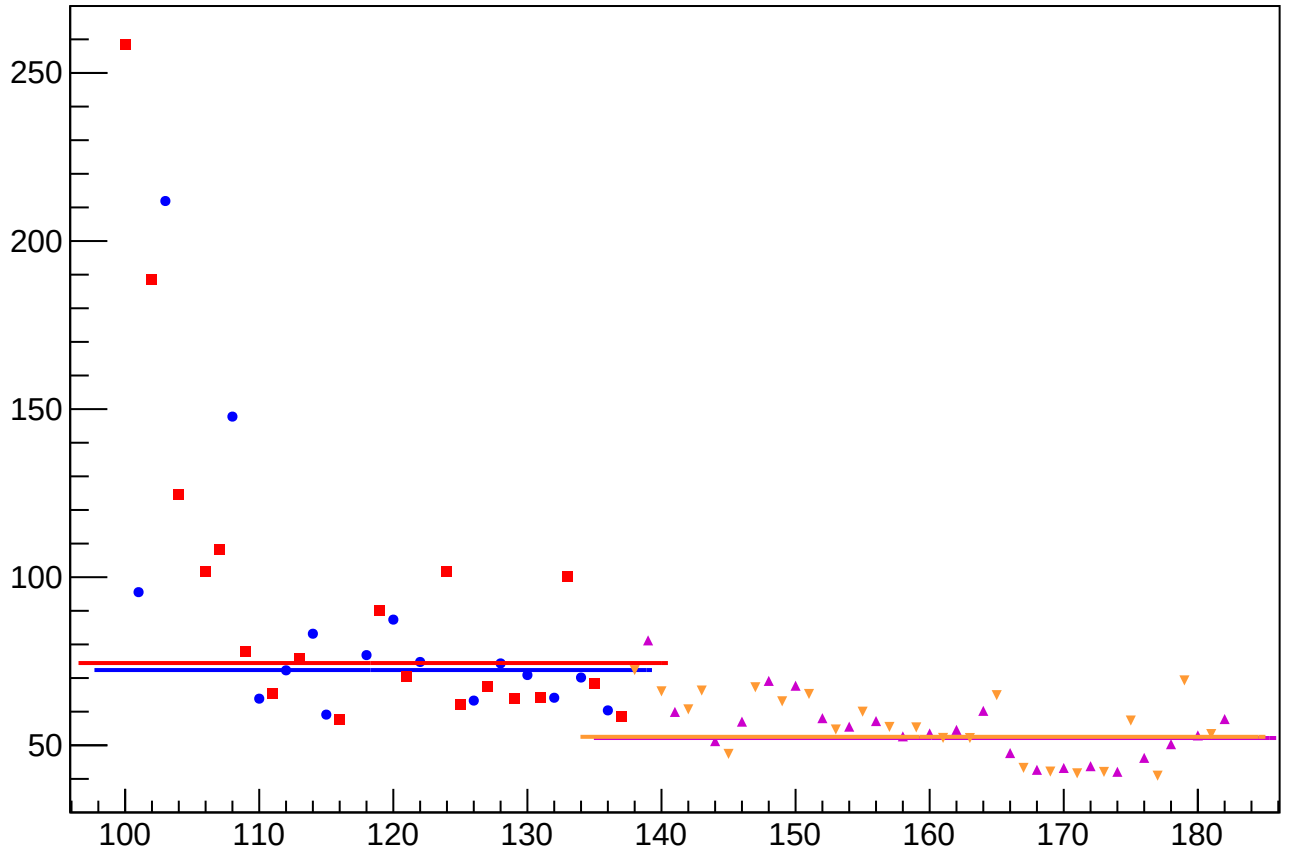
Left: -17.671+/-8.919 χ^2/NDF: 69.3/44

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -10.926+/-11.520 χ^2/NDF:57.6/37

Out: -5.570+/-11.563 χ^2/NDF:60.2/41

All: -8.258+/-8.161 χ^2/NDF: 117.8/79



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.518+/-0.009 χ^2/NDF:1152059.3/22

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 52.162+/-0.009 χ^2/NDF:863732.9/21

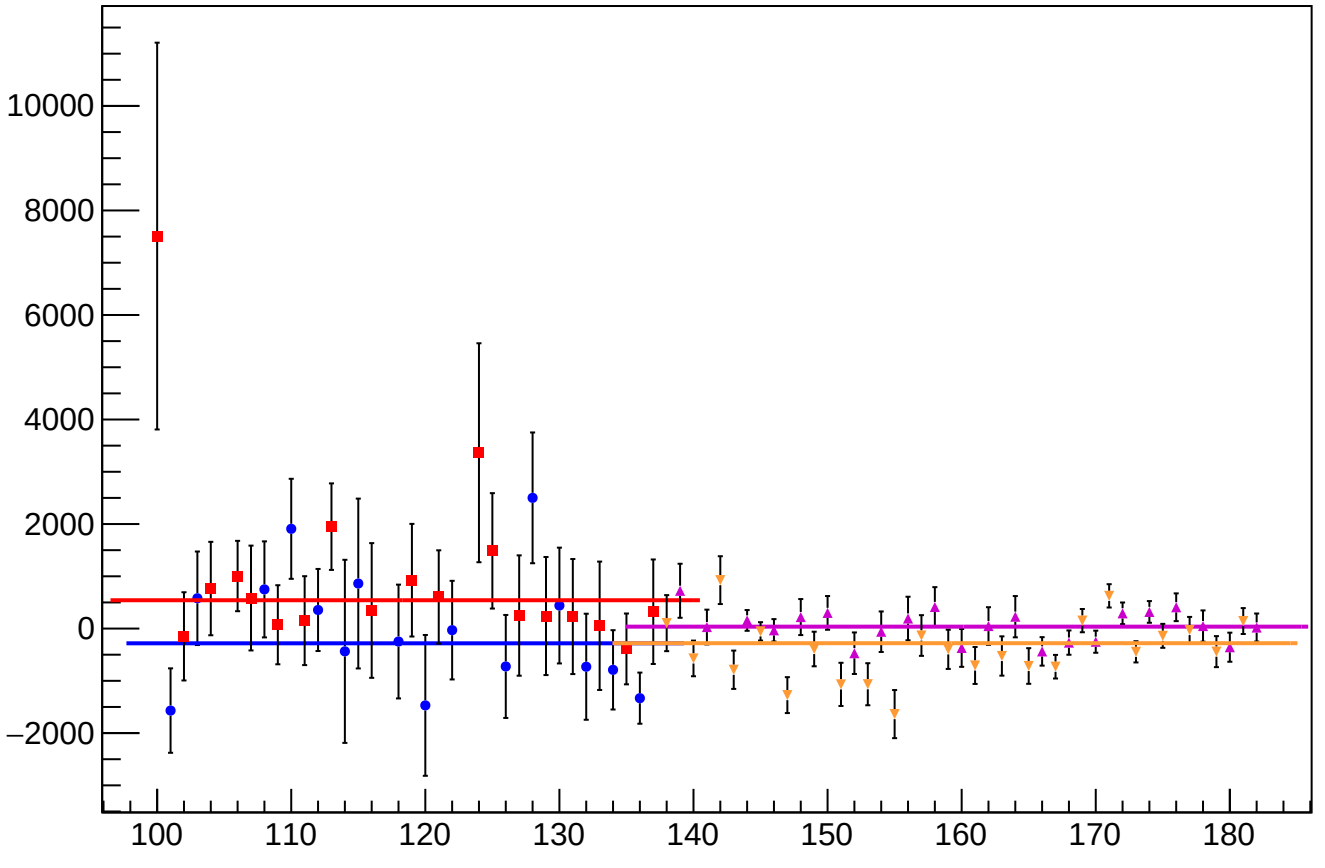
Left: 52.340+/-0.006 χ^2/NDF: 2016590.2/44

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 55.508+/-0.008 χ^2/NDF:2652599.3/37

Out: 56.029+/-0.008 χ^2/NDF:3172459.8/41

All: 55.767+/-0.006 χ^2/NDF: 5827096.0/79



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -279.984+/-60.278 χ^2/NDF:69.6/22

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 36.636+/-59.922 χ^2/NDF:21.4/21

Left: -120.736+/-42.496 χ^2/NDF: 104.9/44

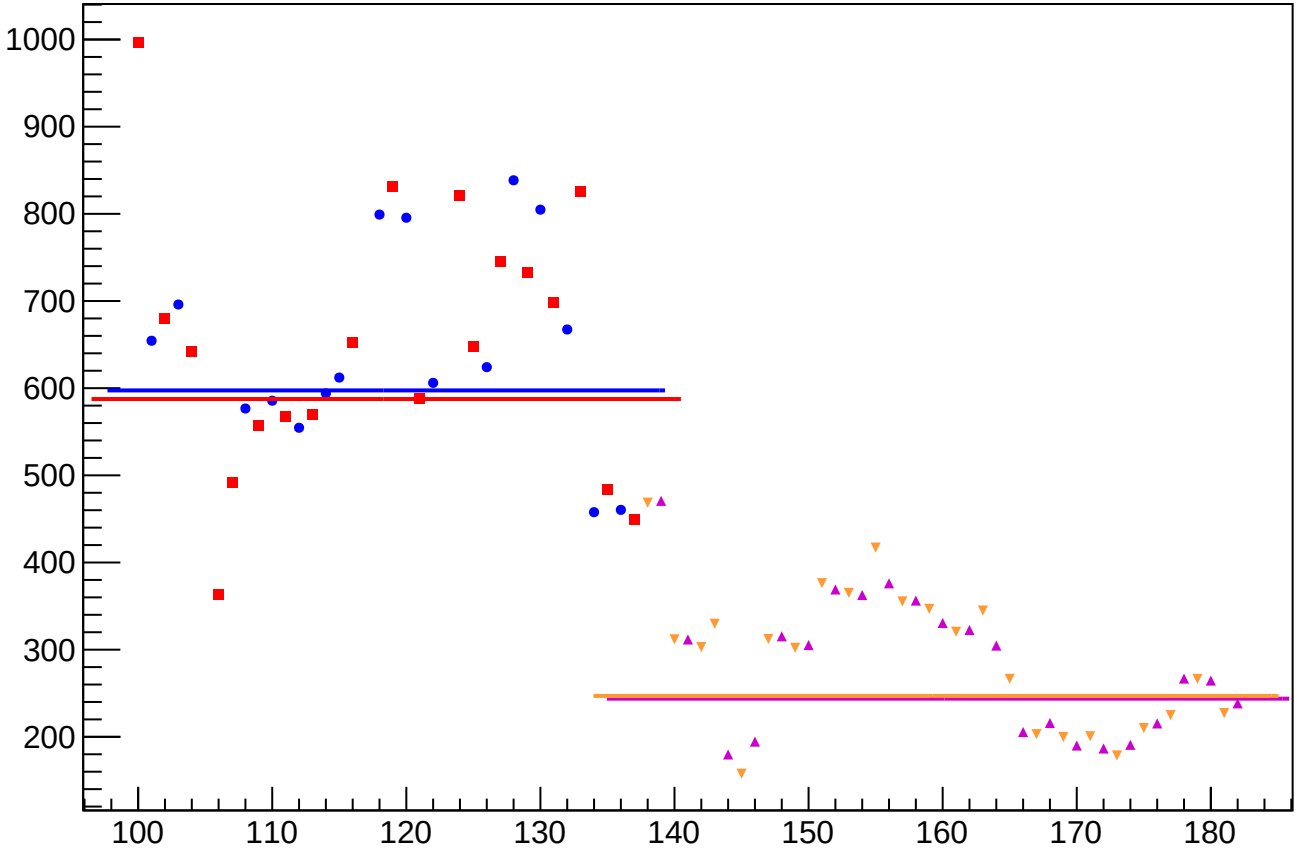
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 16.011+/-57.950 χ^2/NDF:46.0/37

Out: -223.020+/-58.152 χ^2/NDF:95.8/41

All: -103.089+/-41.048 χ^2/NDF: 150.3/79

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: 246.918+/-0.043 χ^2/NDF:2925617.8/22

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 243.801+/-0.042 χ^2/NDF:2490521.6/21

Left: 245.350+/-0.030 χ^2/NDF: 5418828.1/44

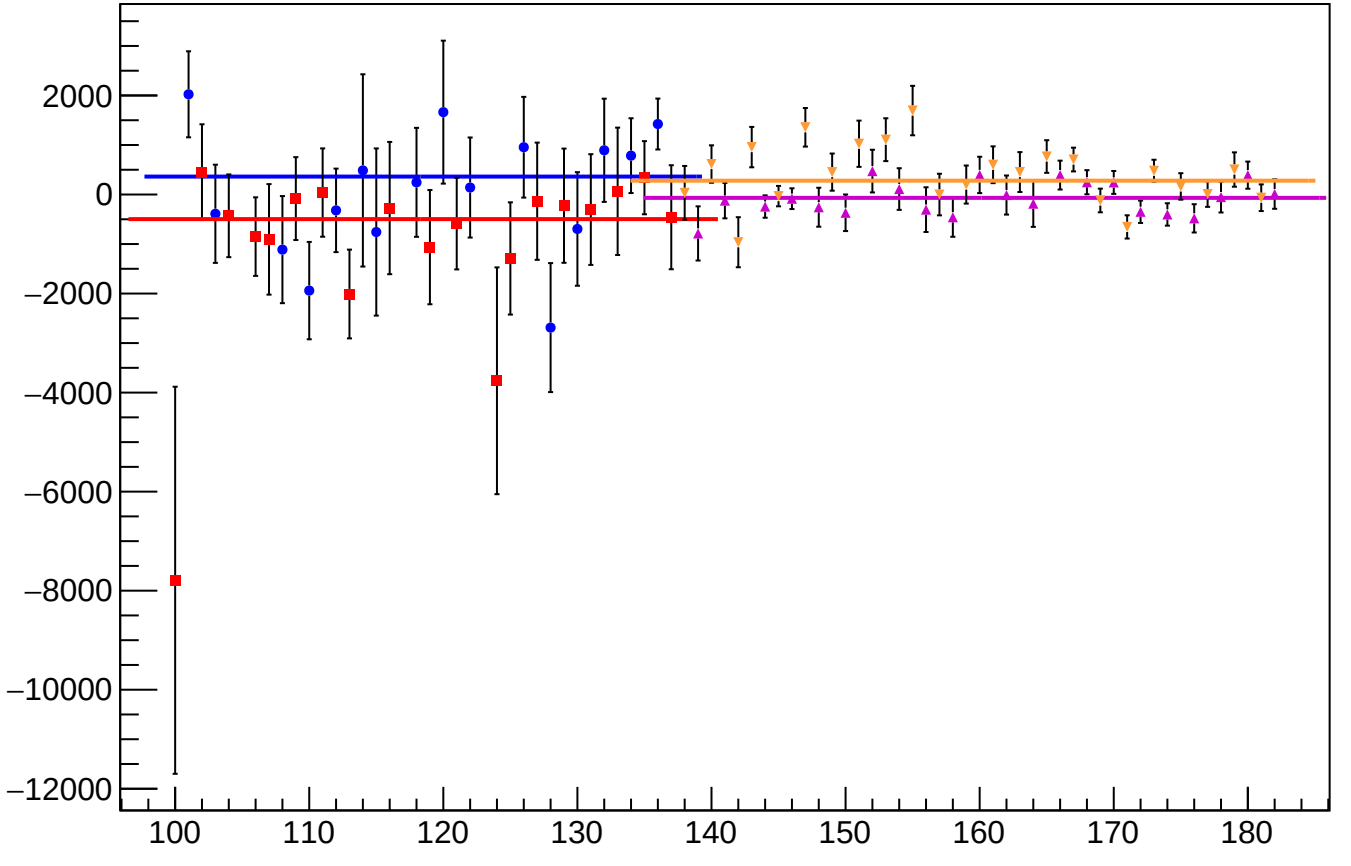
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 266.689+/-0.041 χ^2/NDF:7532682.6/37

Out: 270.524+/-0.041 χ^2/NDF:8040969.2/41

All: 268.600+/-0.029 χ^2/NDF: 15578015.5/79

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 279.567+/-65.811 χ^2/NDF:63.8/22

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -67.551+/-64.311 χ^2/NDF:22.6/21

Left: 102.009+/-45.996 χ^2/NDF: 100.6/44

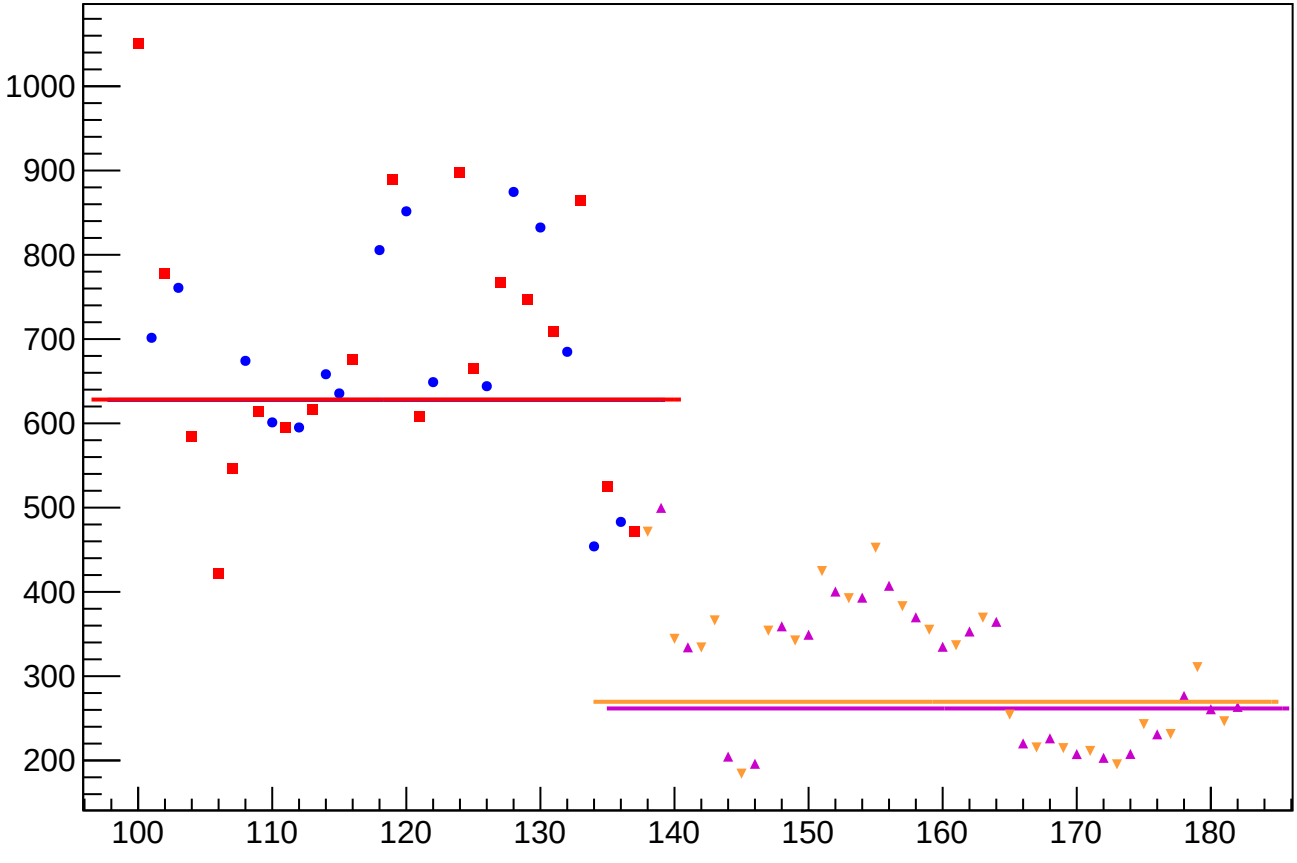
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -38.815+/-62.125 χ^2/NDF:50.7/37

Out: 223.575+/-63.393 χ^2/NDF:86.5/41

All: 89.730+/-44.370 χ^2/NDF: 145.9/79

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 269.604+/-0.047 χ^2/NDF:2758662.5/22

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 261.700+/-0.045 χ^2/NDF:2532348.2/21

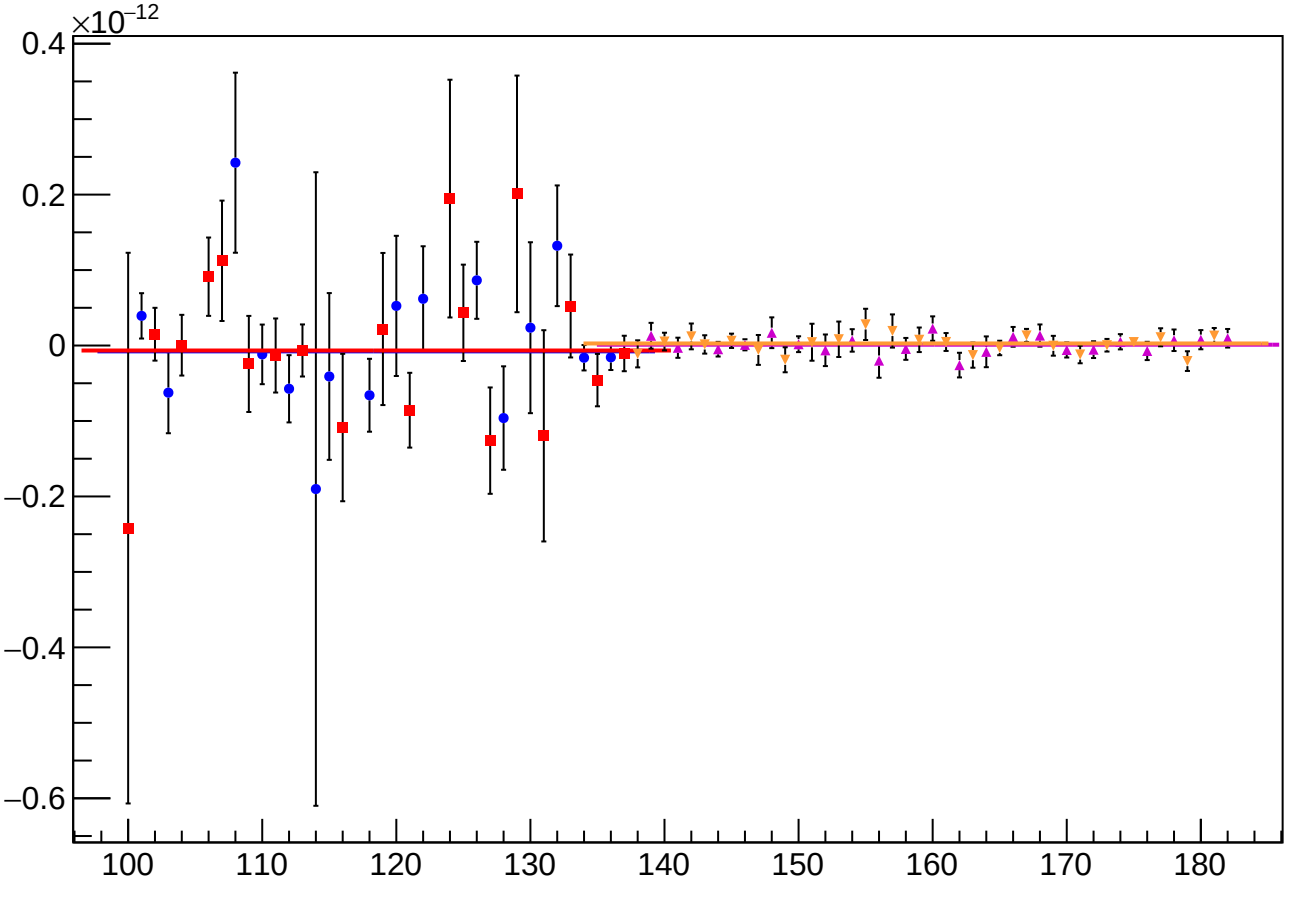
Left: 265.561+/-0.033 χ^2/NDF: 5305764.2/44

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 286.176+/-0.044 χ^2/NDF:7433205.6/37

Out: 295.475+/-0.045 χ^2/NDF:7614312.7/41

All: 290.731+/-0.031 χ^2/NDF: 15069470.3/79



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/22

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/21

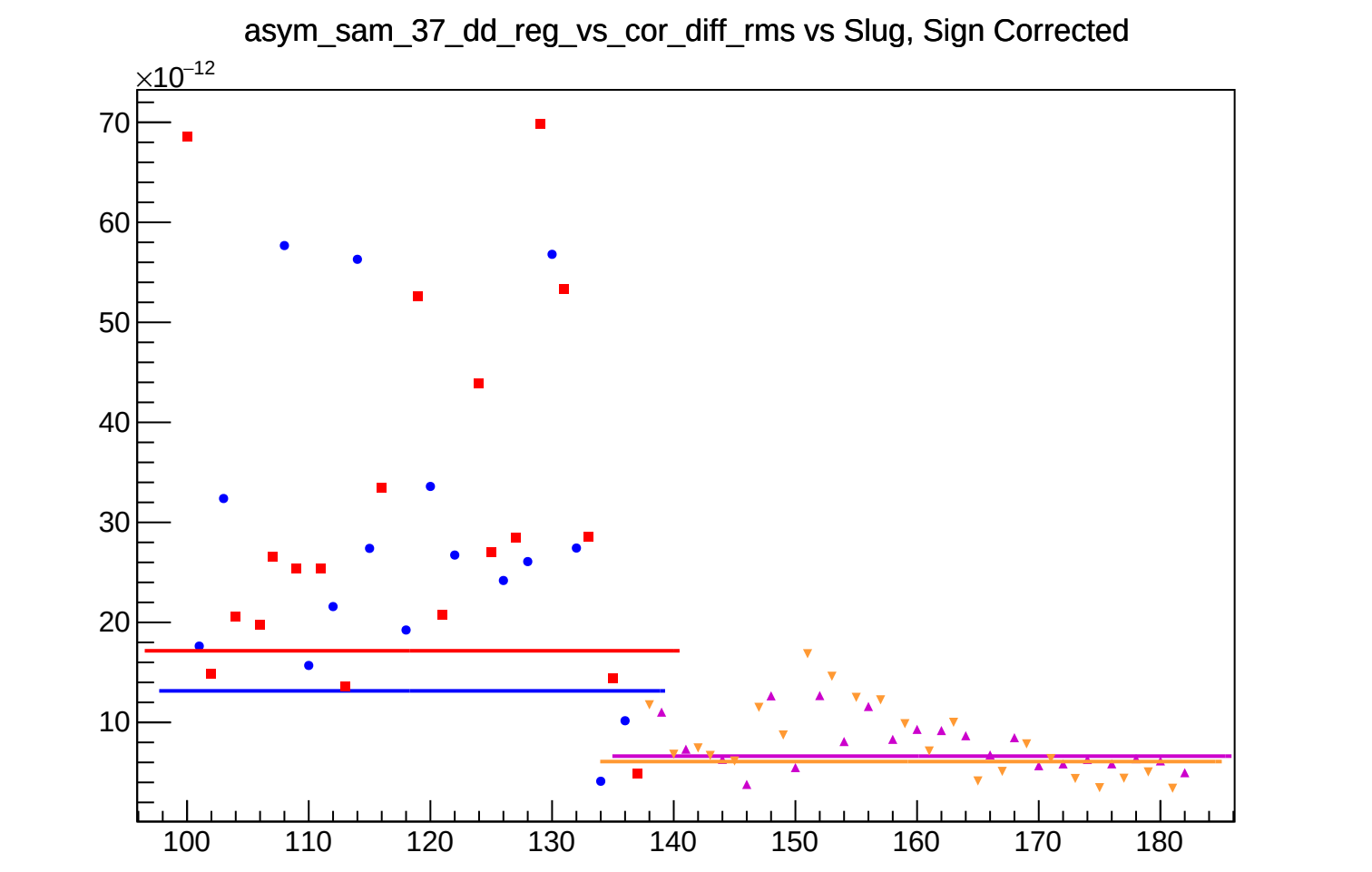
Left: 0.000+/-0.000 χ^2/NDF: 25.9/44

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:33.0/37

Out: 0.000+/-0.000 χ^2/NDF:35.1/41

All: 0.000+/-0.000 χ^2/NDF: 68.3/79



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2410818.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1176959.6/21

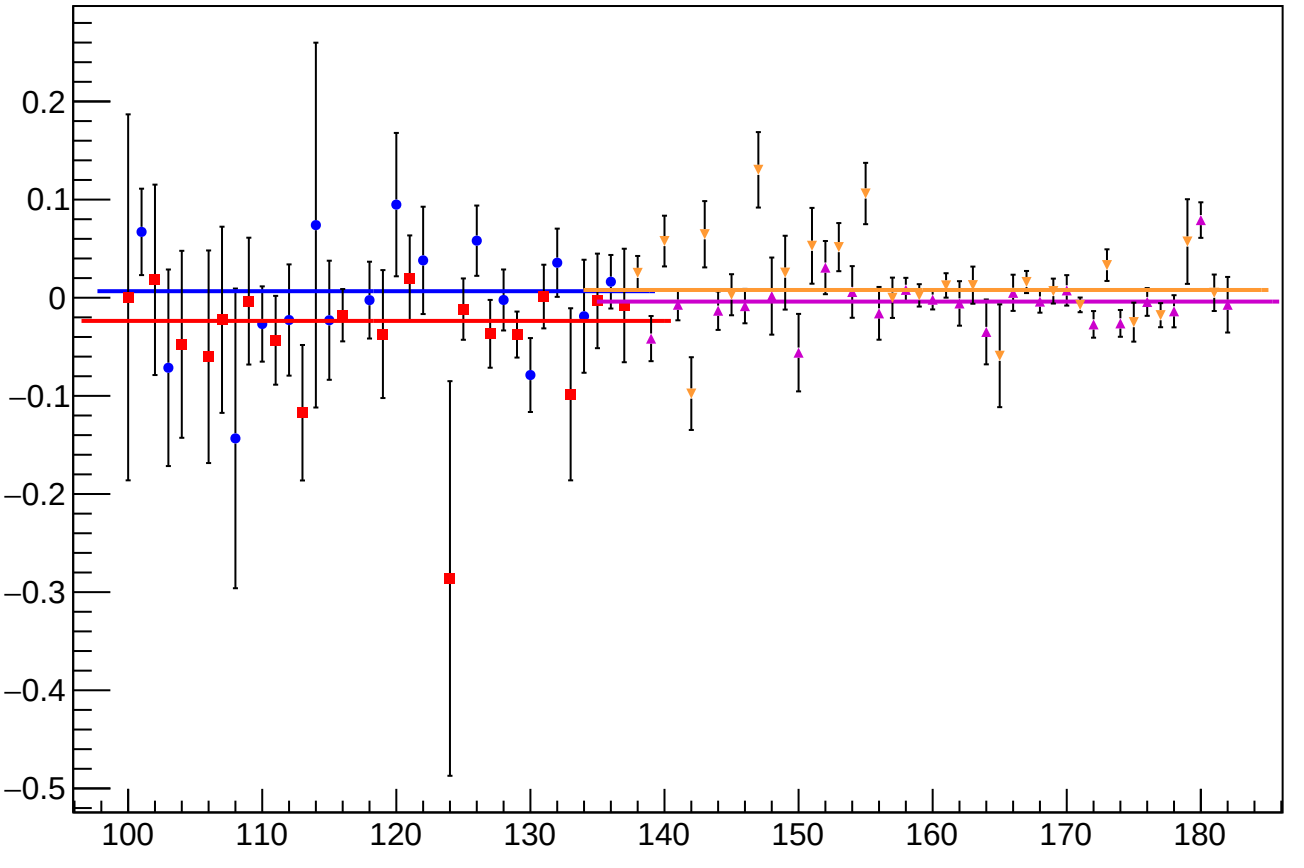
Left: 0.000+/-0.000 χ^2/NDF: 3631004.8/44

Right: 0.000+/-0.000 χ^2/NDF: 3874616.1/34

In: 0.000+/-0.000 χ^2/NDF:4154775.7/37

Out: 0.000+/-0.000 χ^2/NDF:5817636.4/41

All: 0.000+/-0.000 χ^2/NDF: 10019090.1/79



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/22

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.004 χ^2/NDF:36.4/21

Left: 0.002+/-0.003 χ^2/NDF: 100.2/44

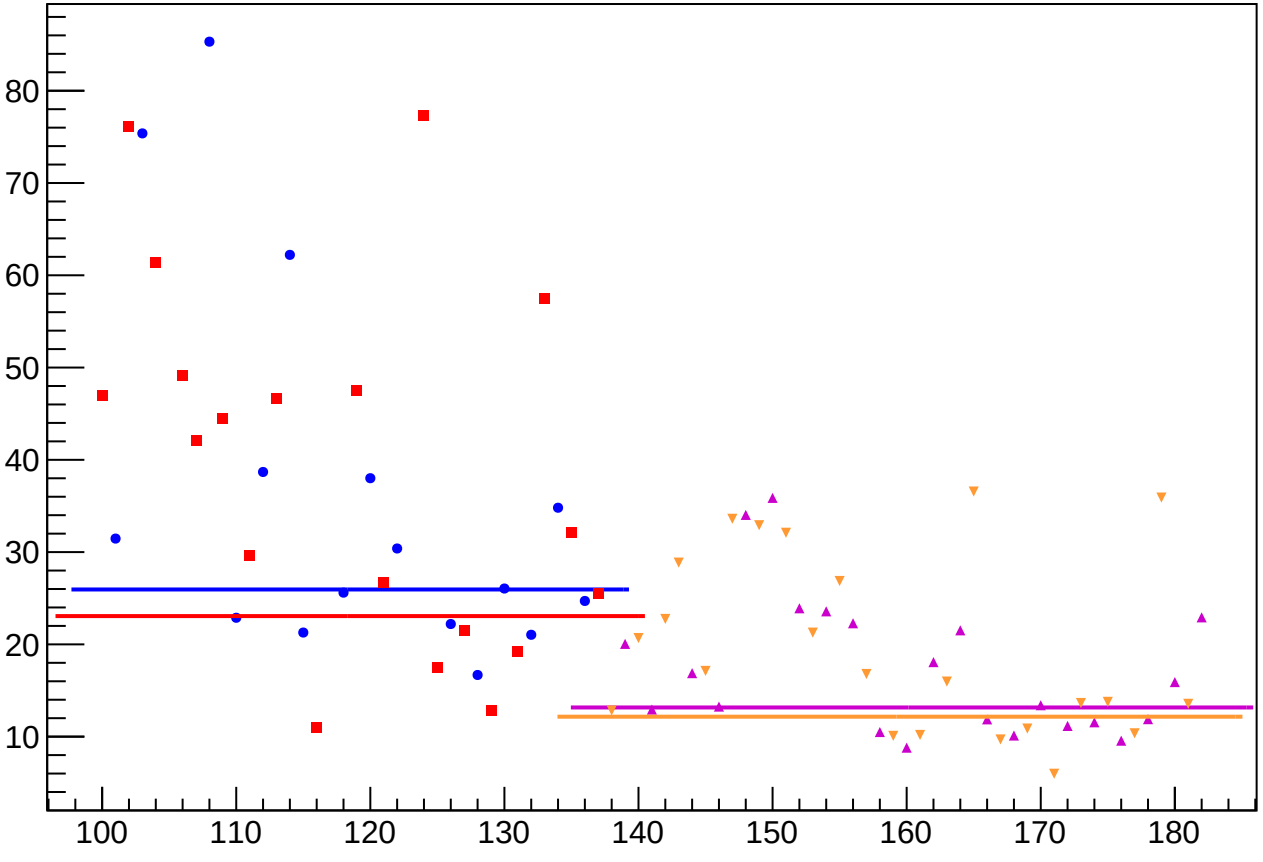
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.003 χ^2/NDF:52.2/37

Out: 0.005+/-0.003 χ^2/NDF:73.9/41

All: 0.001+/-0.002 χ^2/NDF: 128.7/79

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.161+/-0.002 χ^2/NDF:6374092.3/22

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.162+/-0.003 χ^2/NDF:3686076.1/21

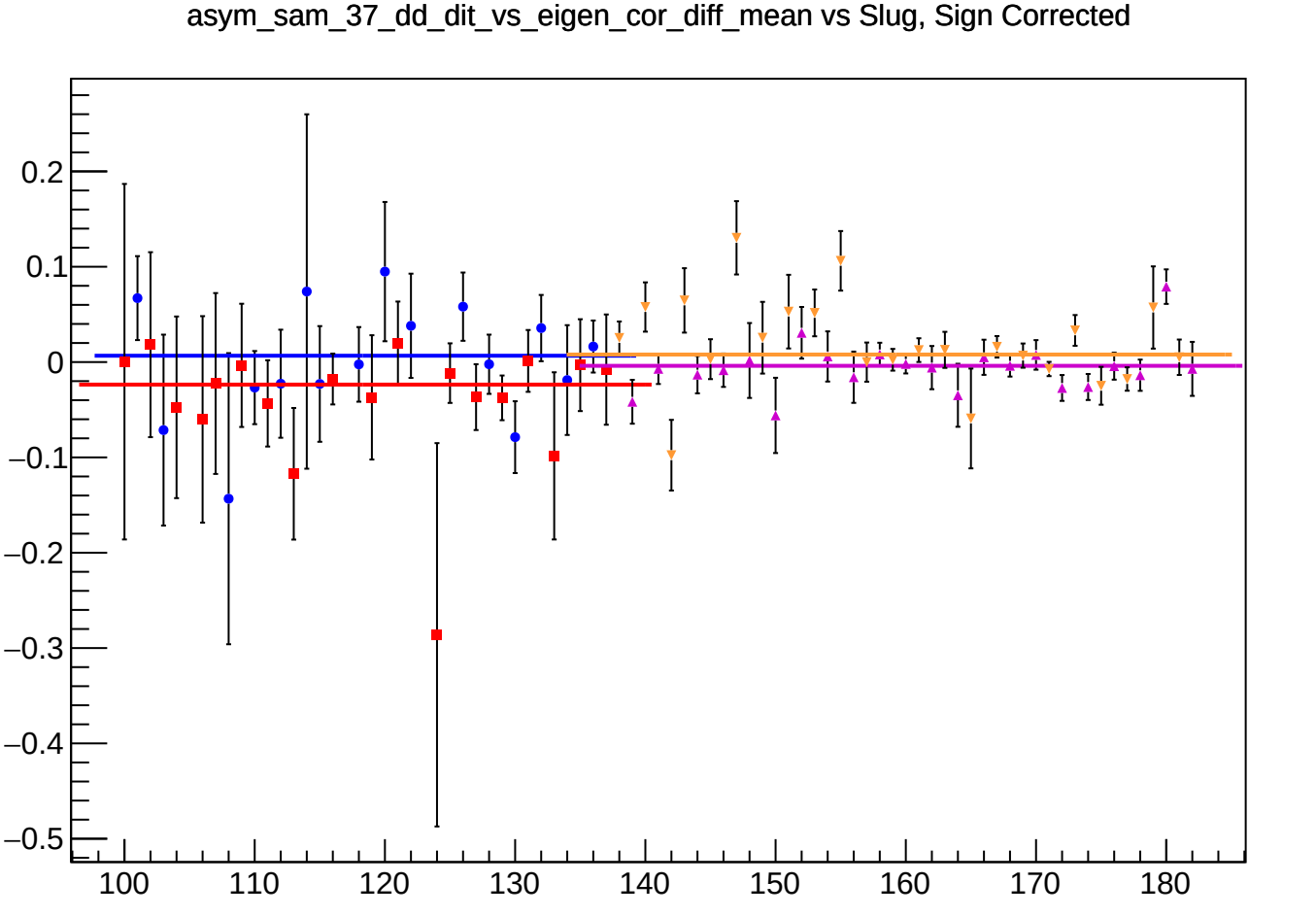
Left: 12.642+/-0.002 χ^2/NDF: 10138656.9/44

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.403+/-0.002 χ^2/NDF:7464386.0/37

Out: 13.253+/-0.002 χ^2/NDF:11675201.3/41

All: 13.805+/-0.002 χ^2/NDF: 19254754.0/79



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/22

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.004 χ^2/NDF:36.4/21

Left: 0.002+/-0.003 χ^2/NDF: 100.2/44

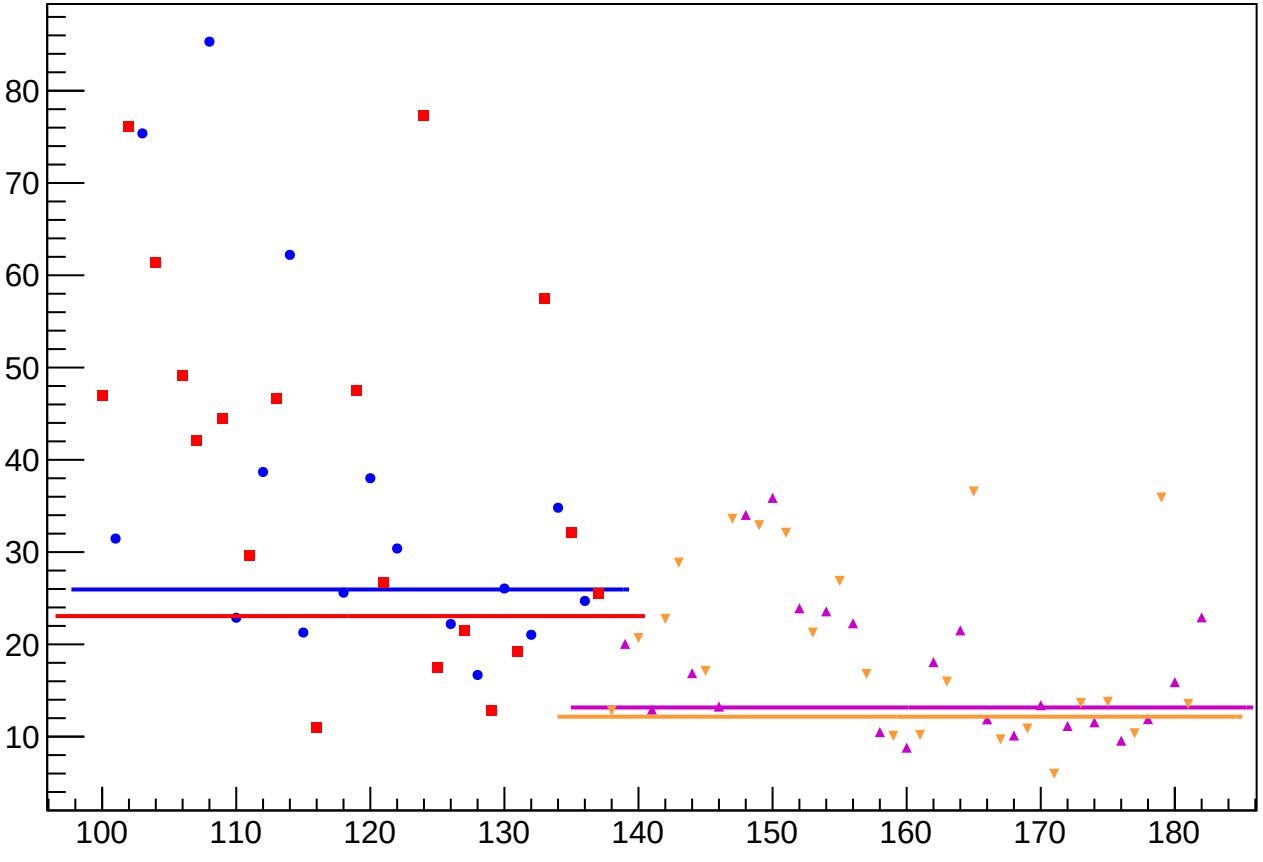
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.003 χ^2/NDF:52.2/37

Out: 0.005+/-0.003 χ^2/NDF:73.9/41

All: 0.001+/-0.002 χ^2/NDF: 128.7/79

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: 12.161+/-0.002 χ^2/NDF:6374092.3/22

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.162+/-0.003 χ^2/NDF:3686076.1/21

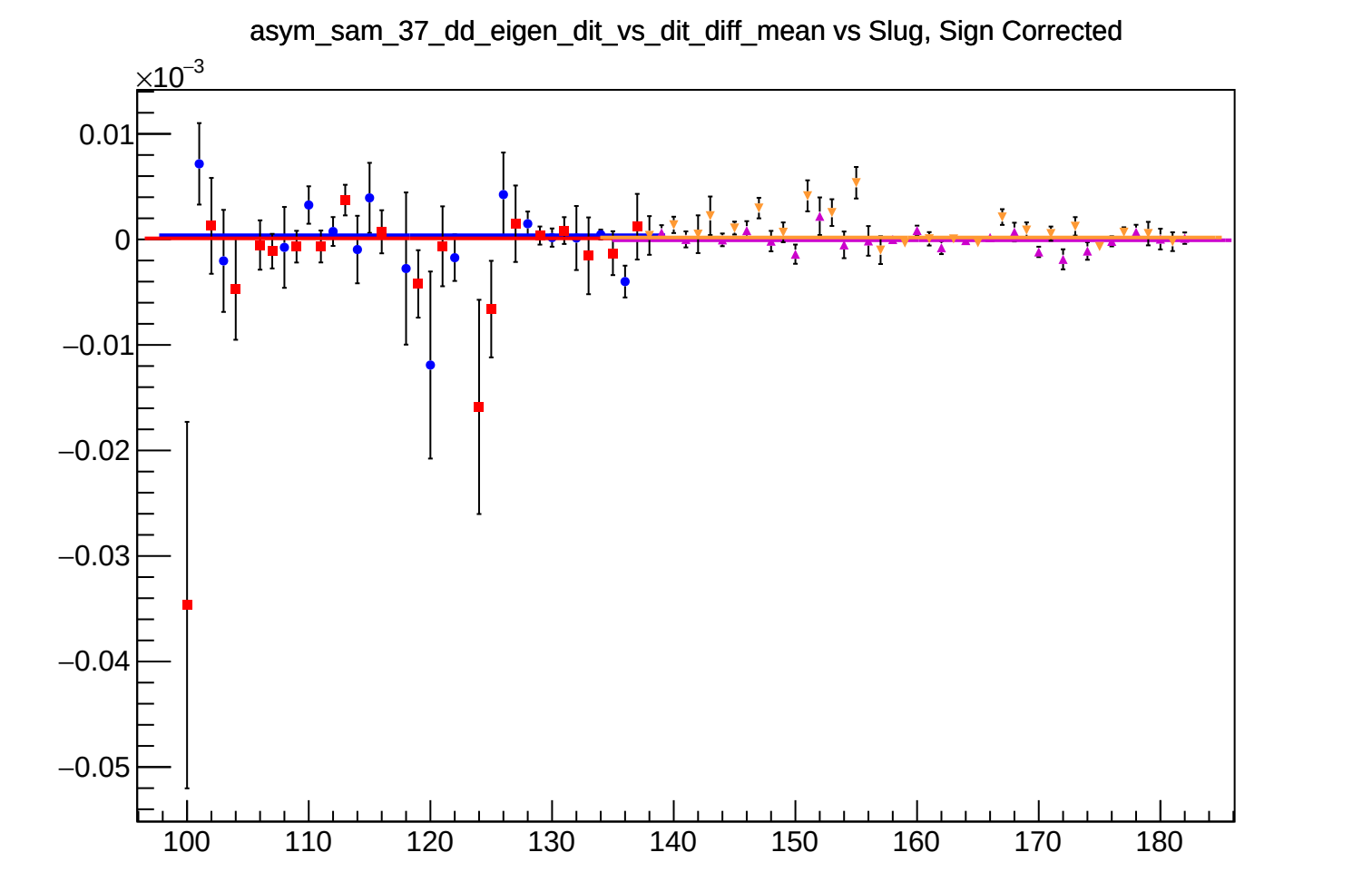
Left: 12.642+/-0.002 χ^2/NDF: 10138656.9/44

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.403+/-0.002 χ^2/NDF:7464386.0/37

Out: 13.253+/-0.002 χ^2/NDF:11675201.3/41

All: 13.805+/-0.002 χ^2/NDF: 19254754.0/79



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:60.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:24.0/21

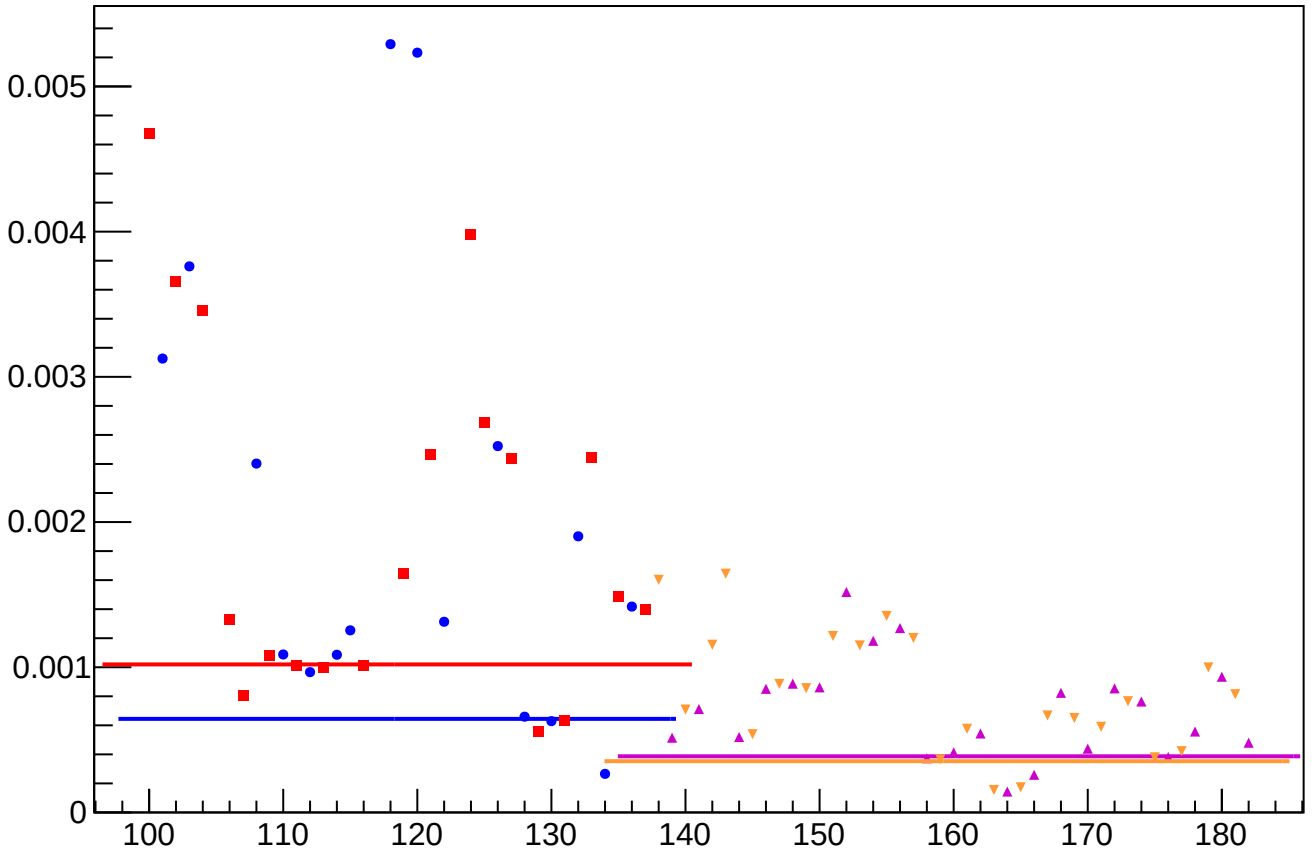
Left: 0.000+/-0.000 χ^2/NDF: 87.0/44

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: -0.000+/-0.000 χ^2/NDF:46.6/37

Out: 0.000+/-0.000 χ^2/NDF:80.6/41

All: 0.000+/-0.000 χ^2/NDF: 129.3/79



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13822060.3/22

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10443638.5/21

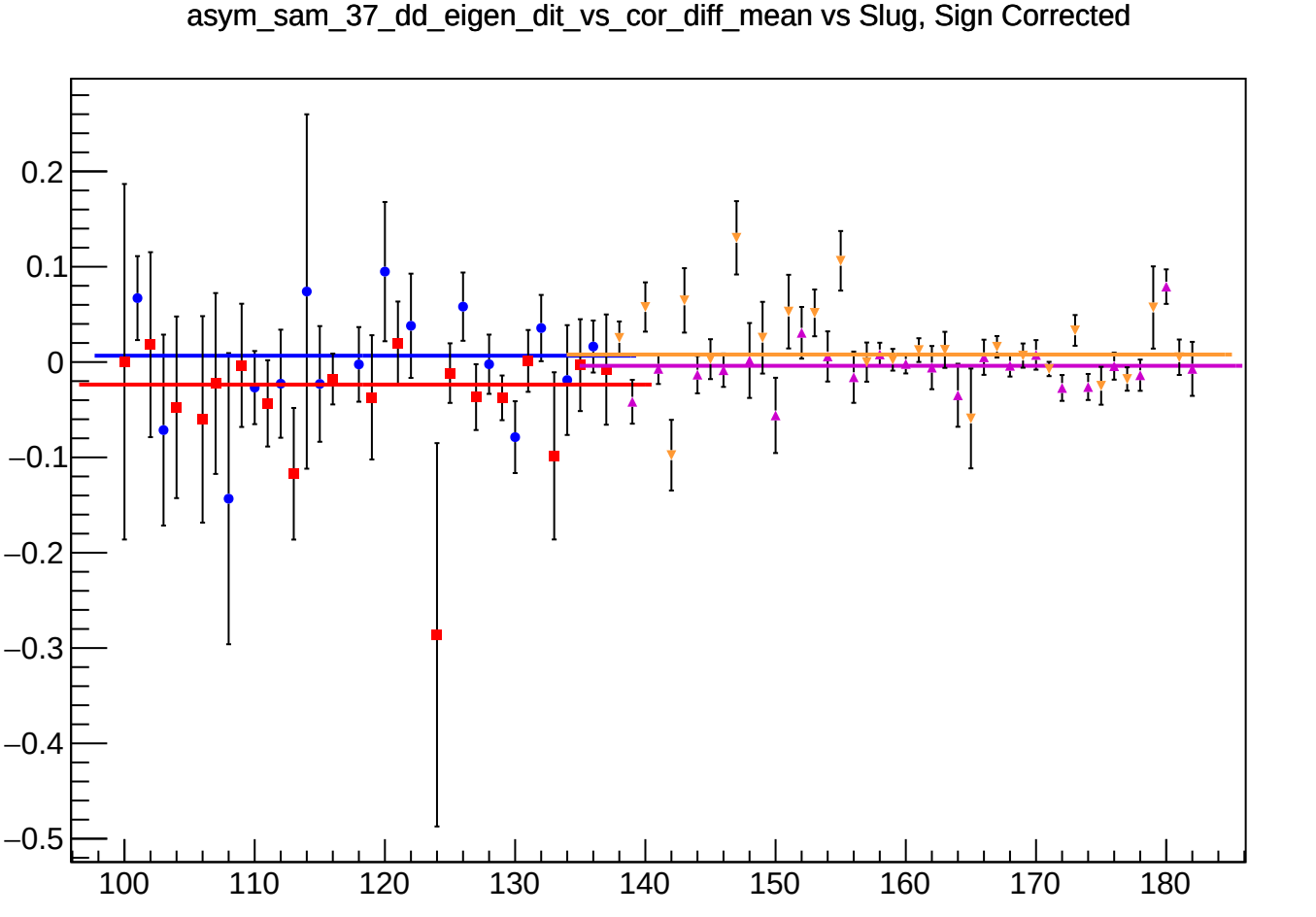
Left: 0.000+/-0.000 χ^2/NDF: 24358446.2/44

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:18054071.5/37

Out: 0.000+/-0.000 χ^2/NDF:21632179.2/41

All: 0.000+/-0.000 χ^2/NDF: 39735742.7/79



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/22

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.004 χ^2/NDF:36.4/21

Left: 0.002+/-0.003 χ^2/NDF: 100.2/44

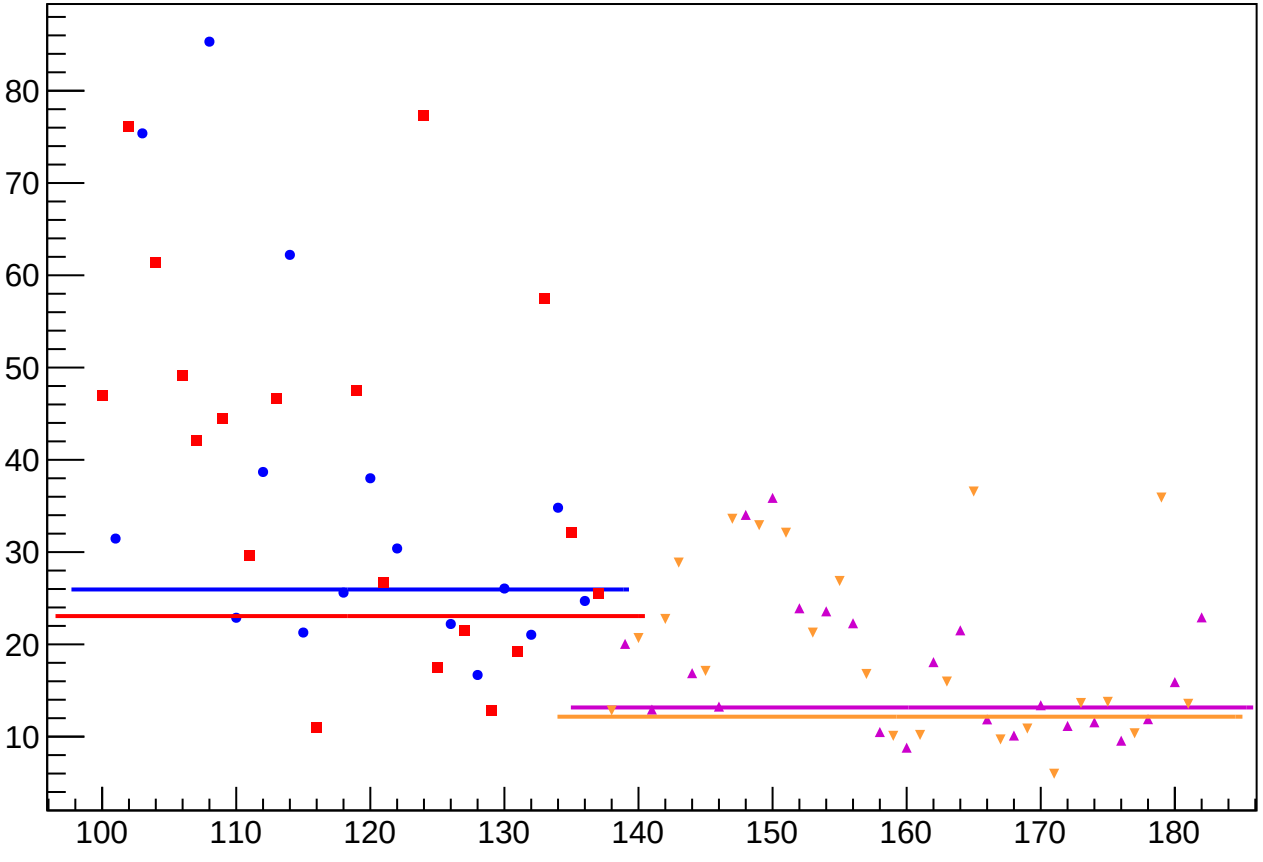
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.003 χ^2/NDF:52.2/37

Out: 0.005+/-0.003 χ^2/NDF:73.9/41

All: 0.001+/-0.002 χ^2/NDF: 128.7/79

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.162+/-0.002 χ^2/NDF:6374330.2/22

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.162+/-0.003 χ^2/NDF:3686232.7/21

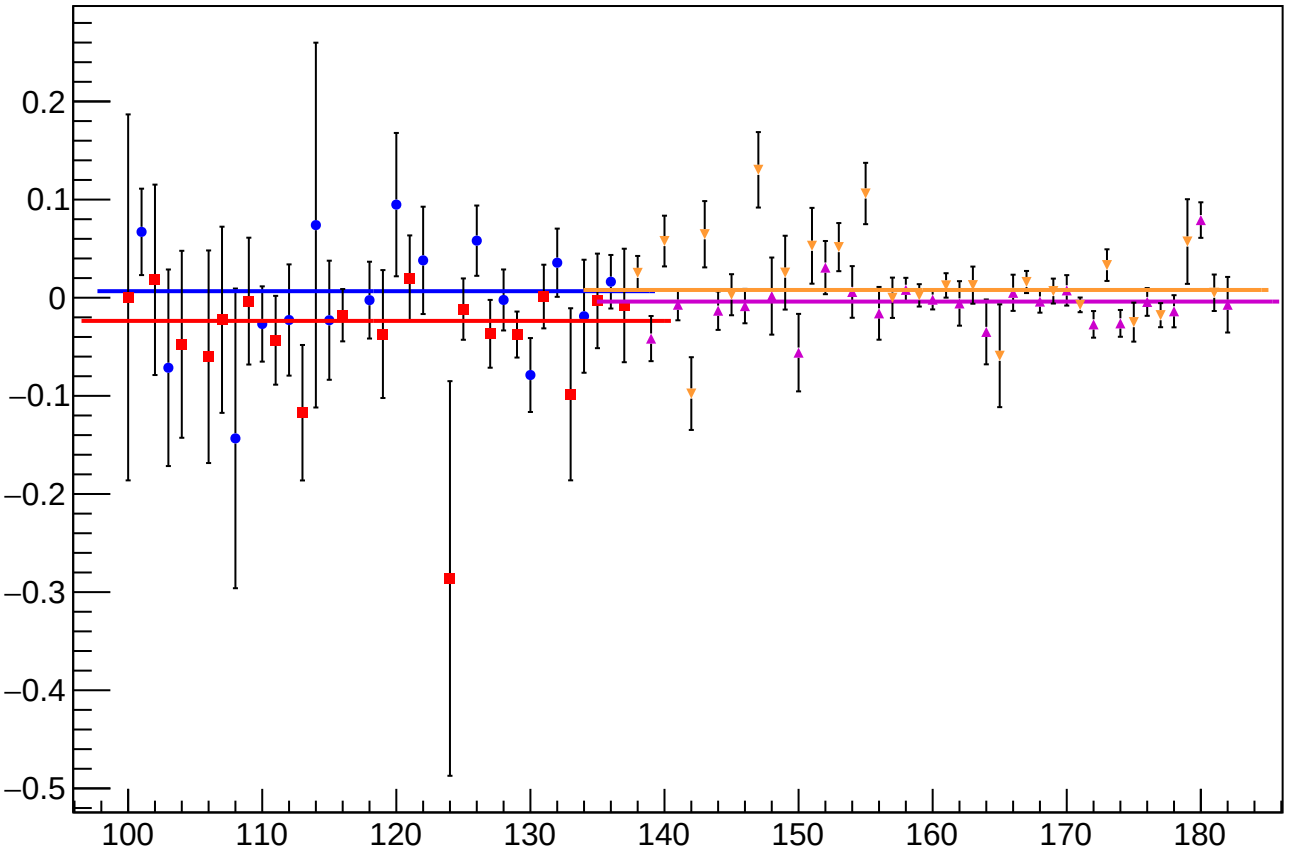
Left: 12.643+/-0.002 χ^2/NDF: 10139043.8/44

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.403+/-0.002 χ^2/NDF:7464578.1/37

Out: 13.253+/-0.002 χ^2/NDF:11675372.9/41

All: 13.805+/-0.002 χ^2/NDF: 19255106.1/79



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/22

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.004 χ^2/NDF:36.4/21

Left: 0.002+/-0.003 χ^2/NDF: 100.2/44

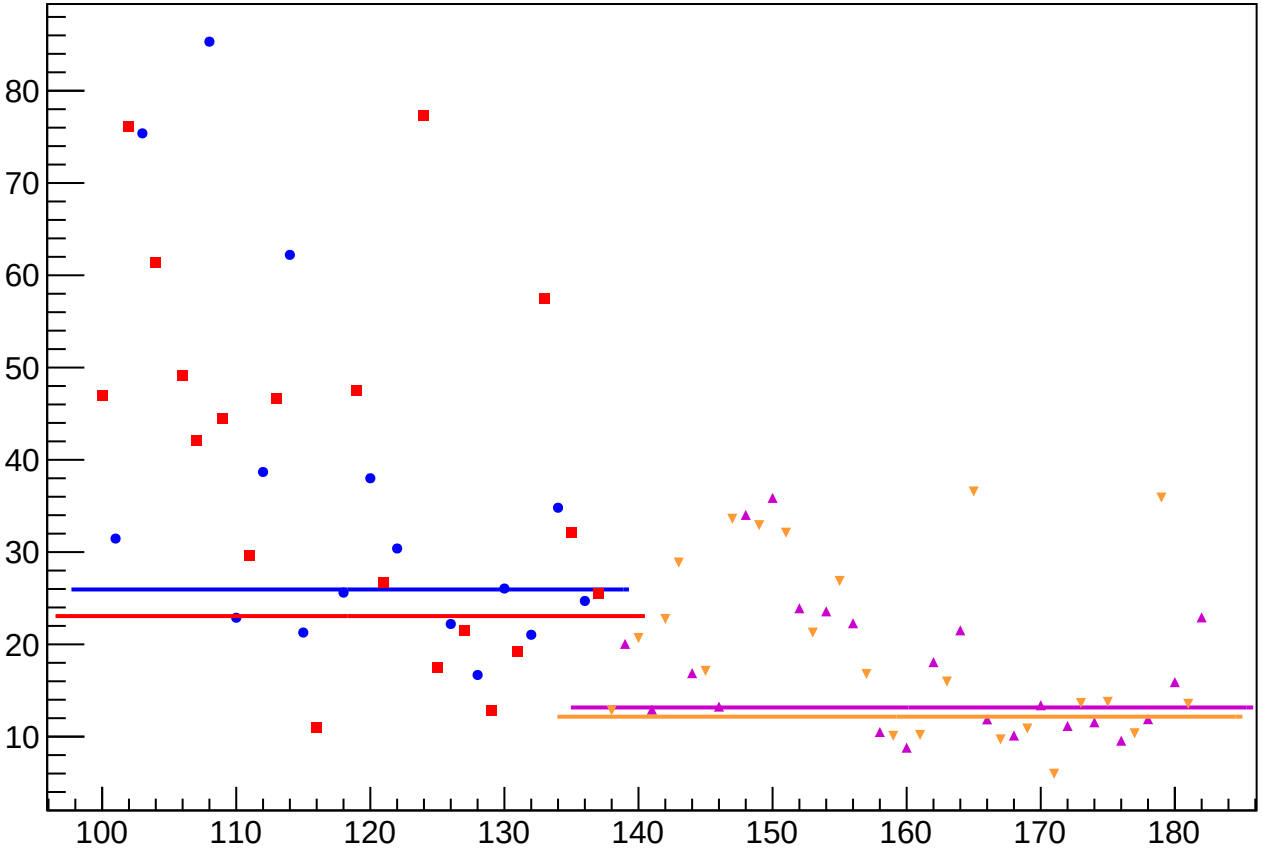
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.003 χ^2/NDF:52.2/37

Out: 0.005+/-0.003 χ^2/NDF:73.9/41

All: 0.001+/-0.002 χ^2/NDF: 128.7/79

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.162+/-0.002 χ^2/NDF:6374330.2/22

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.162+/-0.003 χ^2/NDF:3686232.7/21

Left: 12.643+/-0.002 χ^2/NDF: 10139043.8/44

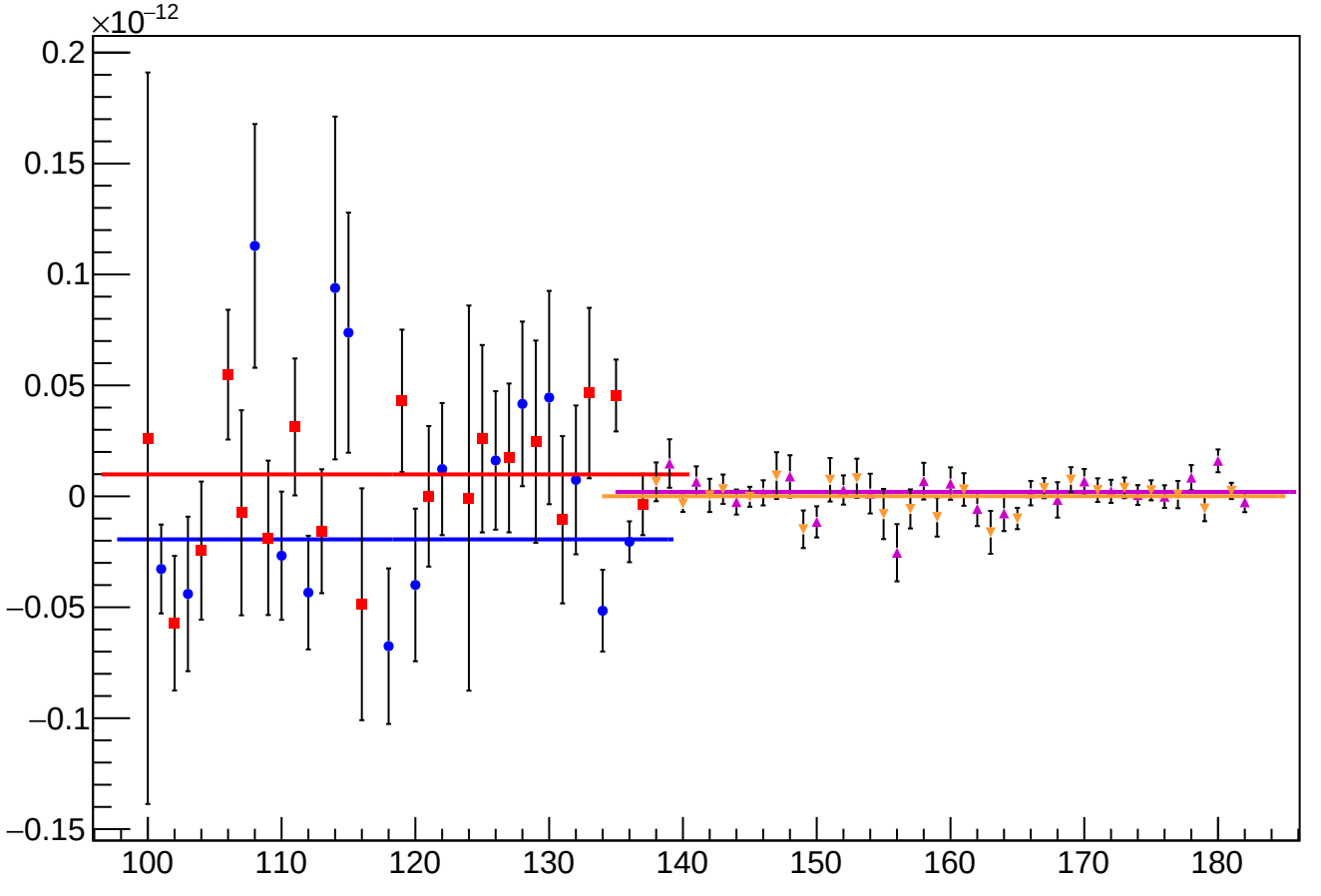
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.403+/-0.002 χ^2/NDF:7464578.1/37

Out: 13.253+/-0.002 χ^2/NDF:11675372.9/41

All: 13.805+/-0.002 χ^2/NDF: 19255106.1/79

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:25.4/21

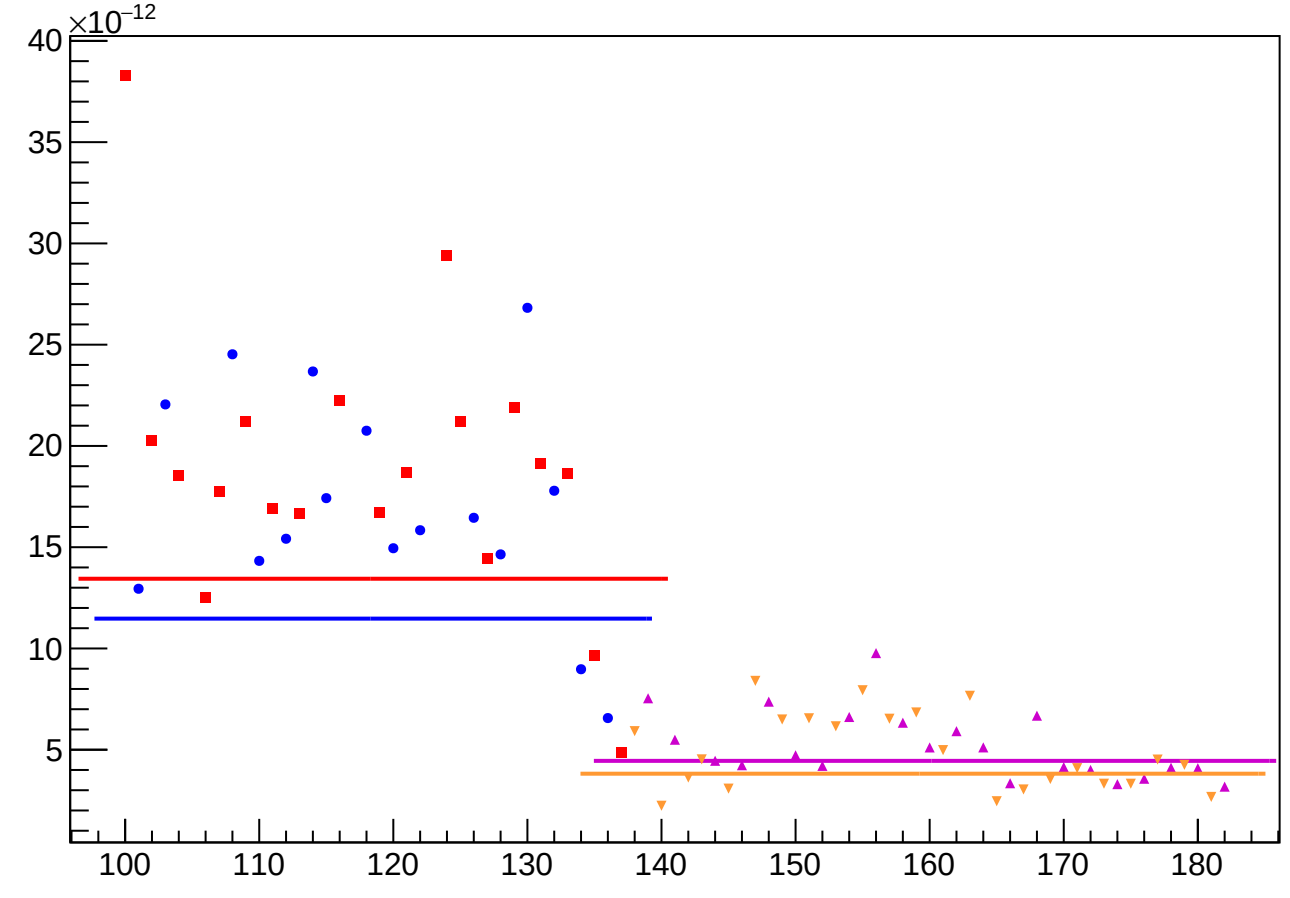
Left: 0.000+/-0.000 χ^2/NDF: 47.9/44

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: 0.000+/-0.000 χ^2/NDF:63.0/37

Out: 0.000+/-0.000 χ^2/NDF:43.8/41

All: 0.000+/-0.000 χ^2/NDF: 106.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2996794.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1697801.0/21

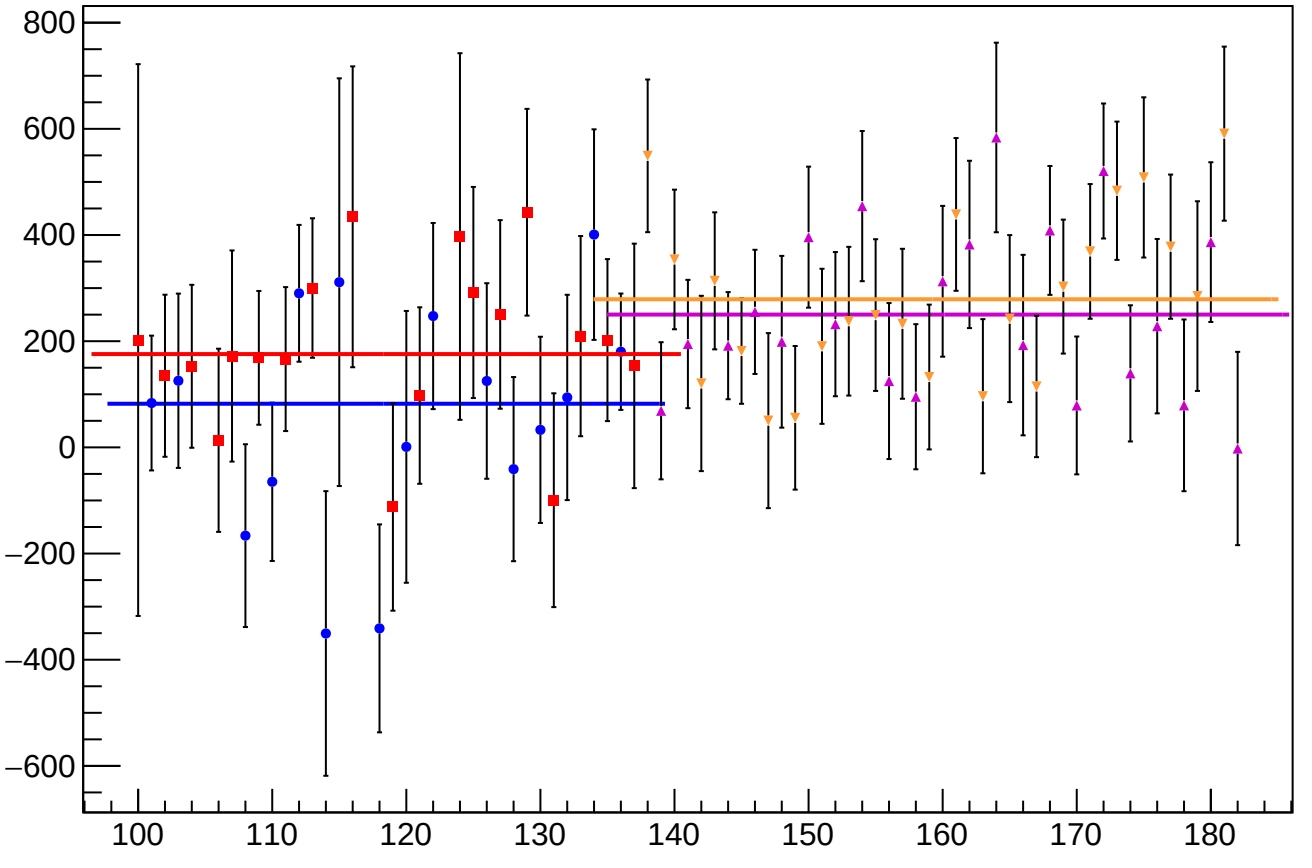
Left: 0.000+/-0.000 χ^2/NDF: 4938788.2/44

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:5880371.4/37

Out: 0.000+/-0.000 χ^2/NDF:8577076.1/41

All: 0.000+/-0.000 χ^2/NDF: 14734739.9/79



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 278.995+/-28.997 χ^2/NDF:26.1/22

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 250.151+/-29.438 χ^2/NDF:25.0/21

Left: 264.791+/-20.658 χ^2/NDF: 51.6/44

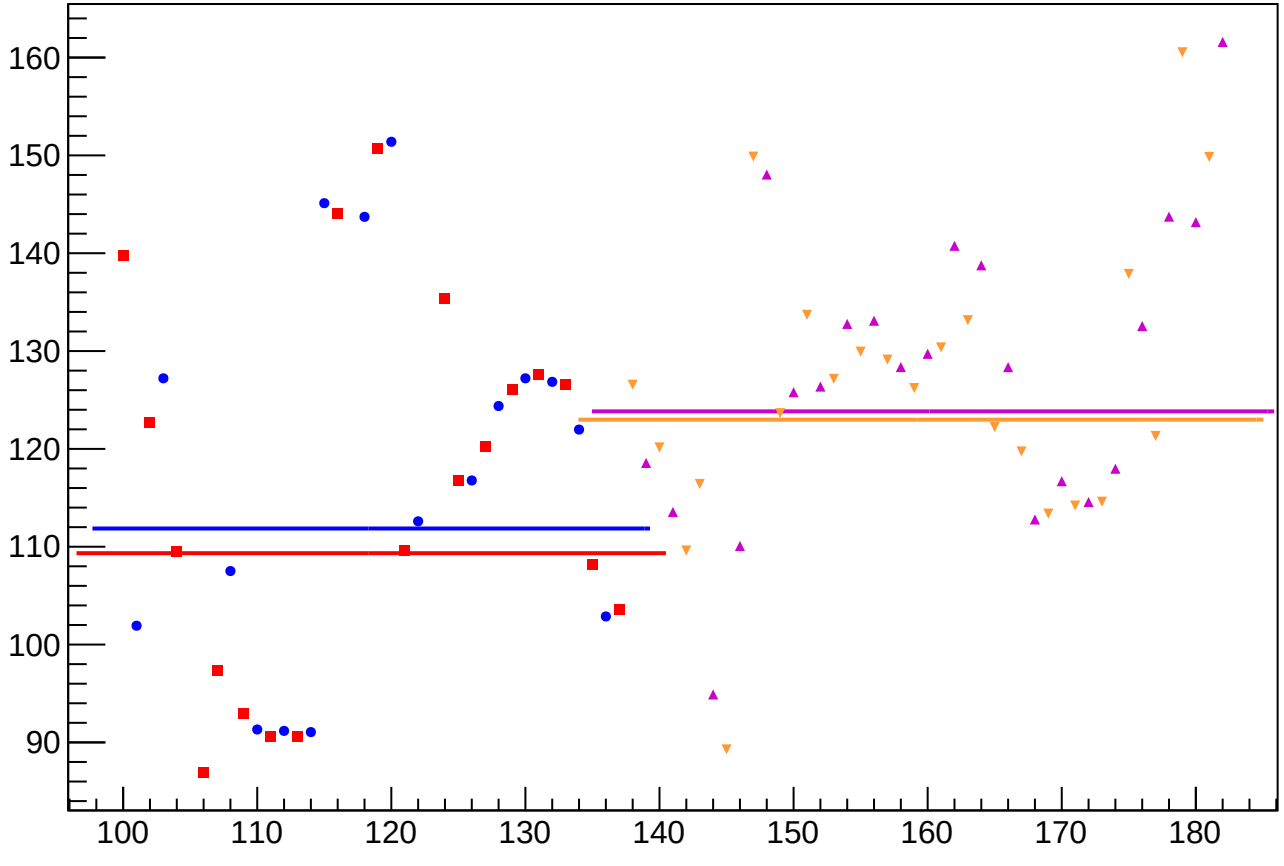
Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 195.057+/-24.131 χ^2/NDF:54.1/37

Out: 244.197+/-23.611 χ^2/NDF:40.2/41

All: 220.163+/-16.876 χ^2/NDF: 96.4/79

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 122.988+/-0.021 χ^2/NDF:533076.1/22

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 123.836+/-0.021 χ^2/NDF:508318.6/21

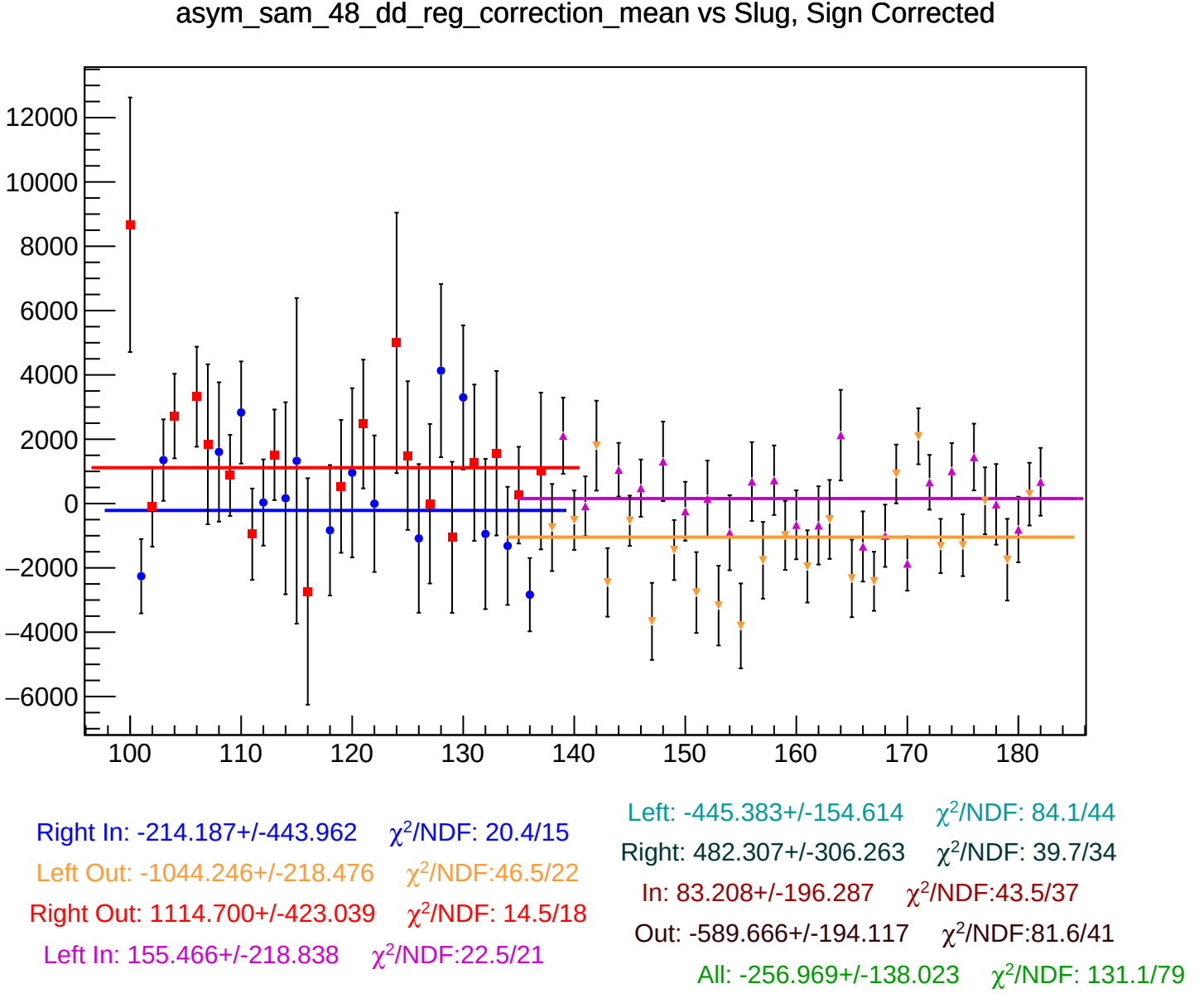
Left: 123.405+/-0.015 χ^2/NDF: 1042236.8/44

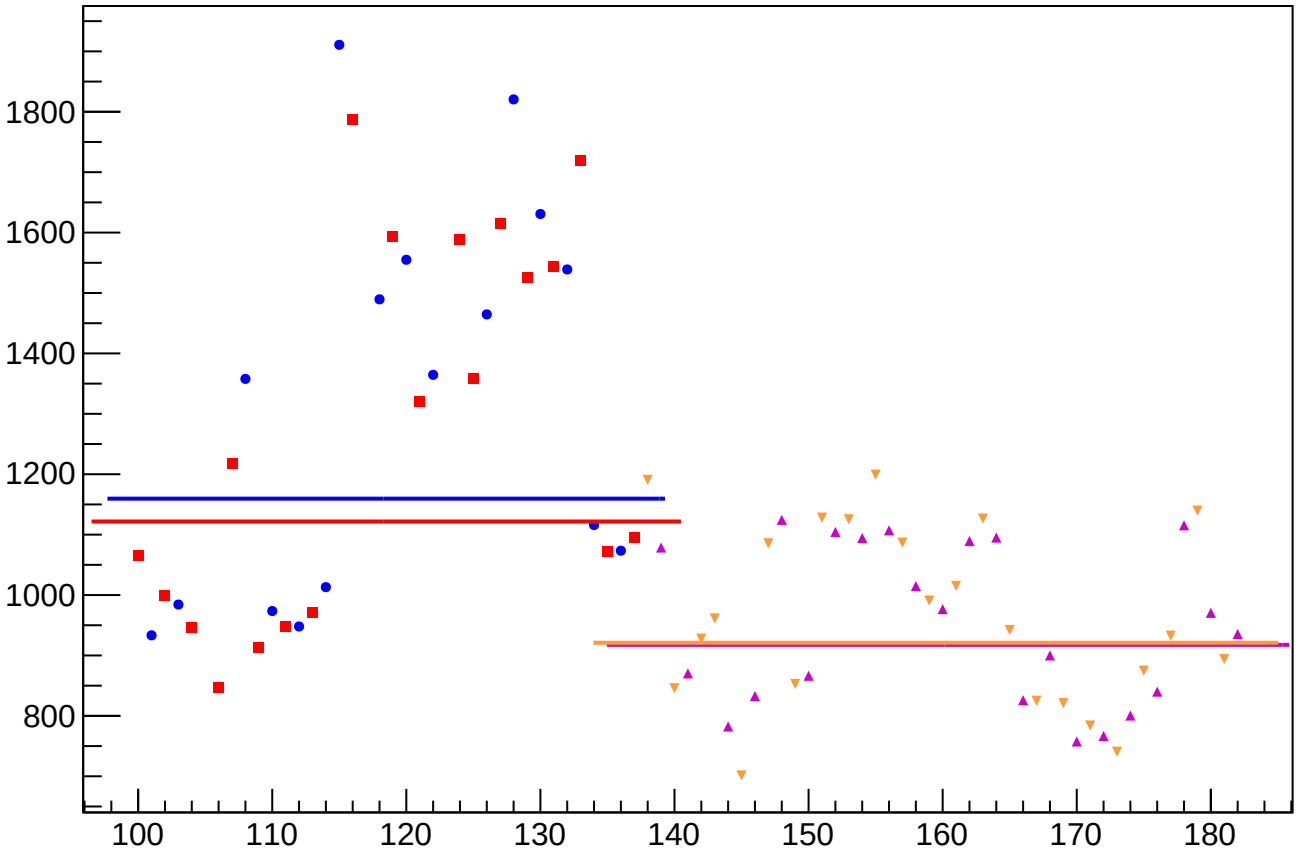
Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 119.908+/-0.017 χ^2/NDF:922881.7/37

Out: 118.389+/-0.017 χ^2/NDF:1049592.5/41

All: 119.132+/-0.012 χ^2/NDF: 1976524.5/79


asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -214.187+/-443.962 χ²/NDF: 20.4/15
Left Out: -1044.246+/-218.476 χ²/NDF:46.5/22
Right Out: 1114.700+/-423.039 χ²/NDF: 14.5/18
Left In: 155.466+/-218.838 χ²/NDF:22.5/21
Left: -445.383+/-154.614 χ²/NDF: 84.1/44
Right: 482.307+/-306.263 χ²/NDF: 39.7/34
In: 83.208+/-196.287 χ²/NDF:43.5/37
Out: -589.666+/-194.117 χ²/NDF:81.6/41
All: -256.969+/-138.023 χ²/NDF: 131.1/79



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 921.031+/-0.154 χ^2/NDF:870196.1/22

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 917.576+/-0.155 χ^2/NDF:665145.4/21

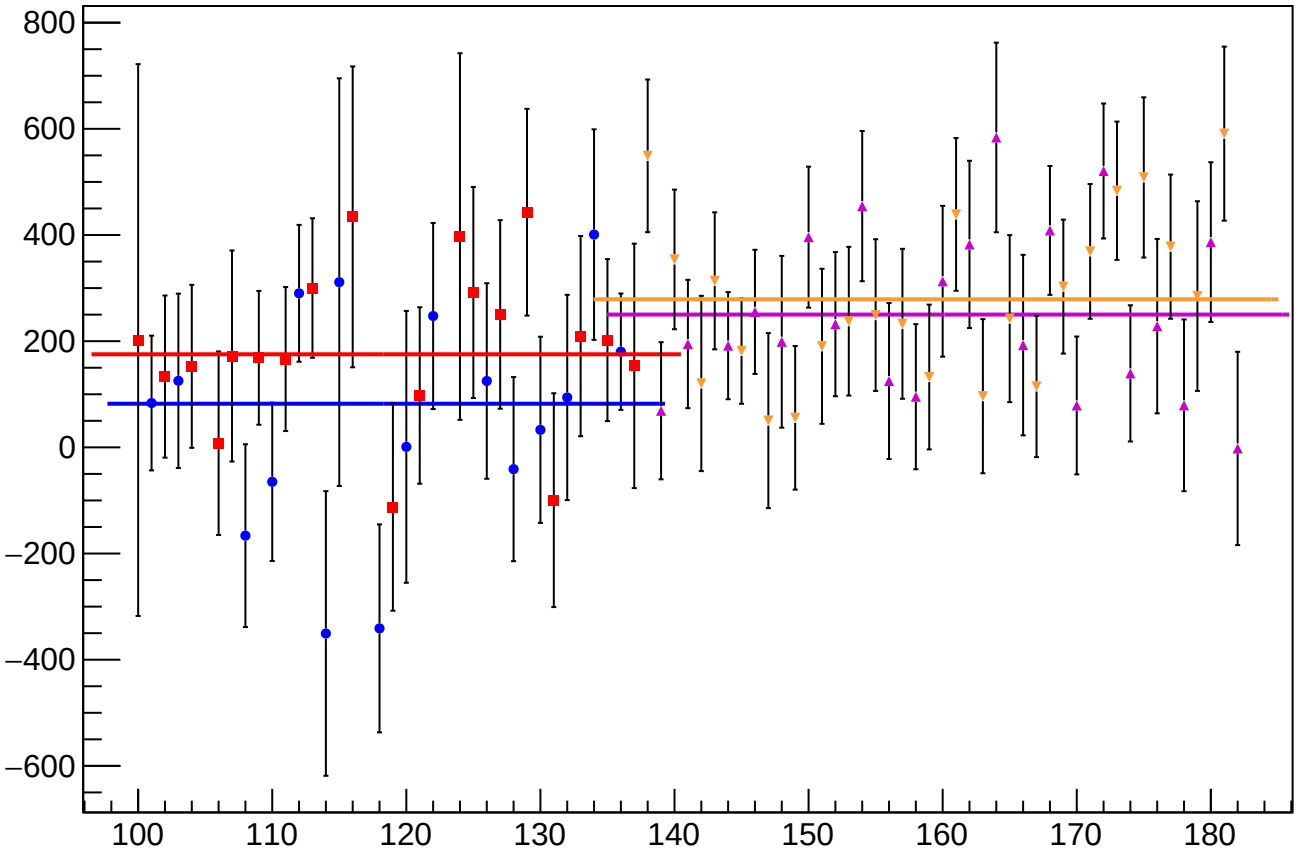
Left: 919.306+/-0.109 χ^2/NDF: 1535591.2/44

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 964.879+/-0.139 χ^2/NDF:1826891.2/37

Out: 963.294+/-0.137 χ^2/NDF:2007915.2/41

All: 964.078+/-0.098 χ^2/NDF: 3834872.3/79



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 279.001+/-28.997 χ^2/NDF:26.1/22

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 250.155+/-29.438 χ^2/NDF:25.0/21

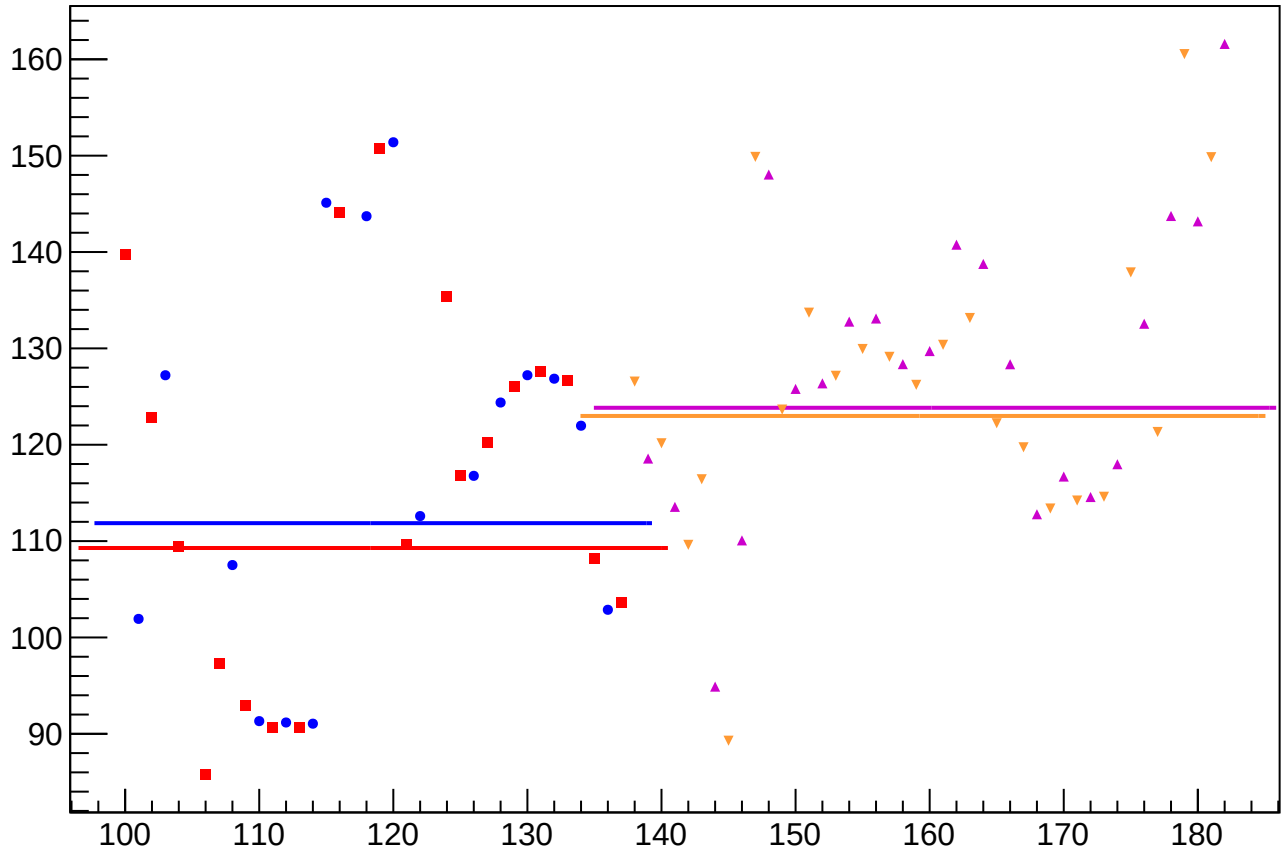
Left: 264.796+/-20.658 χ^2/NDF: 51.6/44

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 195.056+/-24.131 χ^2/NDF:54.1/37

Out: 244.074+/-23.612 χ^2/NDF:40.3/41

All: 220.098+/-16.877 χ^2/NDF: 96.5/79



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 122.988+/-0.021 χ^2/NDF:533076.1/22

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 123.836+/-0.021 χ^2/NDF:508318.6/21

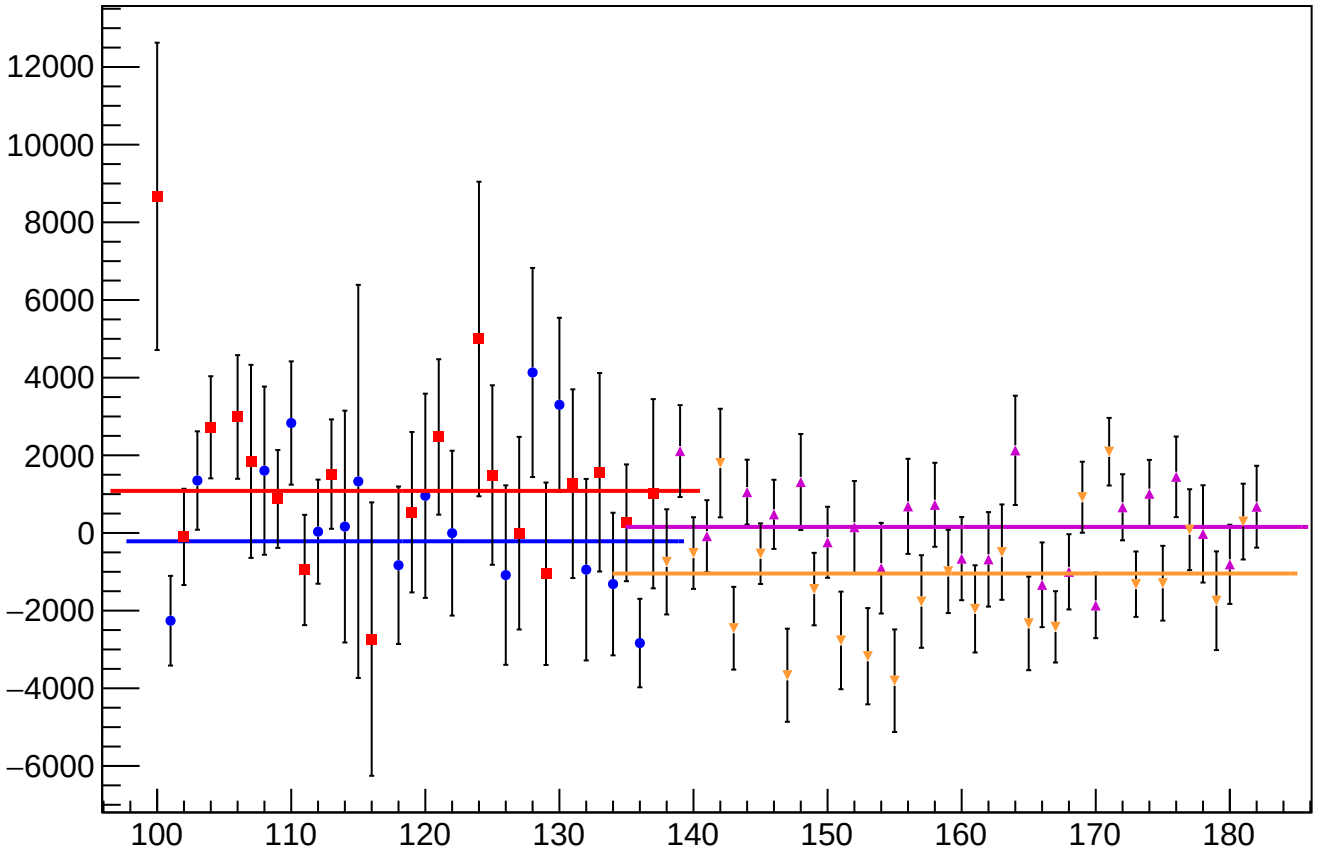
Left: 123.405+/-0.015 χ^2/NDF: 1042236.9/44

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 119.908+/-0.017 χ^2/NDF:922882.4/37

Out: 118.371+/-0.017 χ^2/NDF:1054287.6/41

All: 119.123+/-0.012 χ^2/NDF: 1981317.1/79



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1044.241+/-218.476 χ^2/NDF:46.5/22

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 155.469+/-218.838 χ^2/NDF:22.5/21

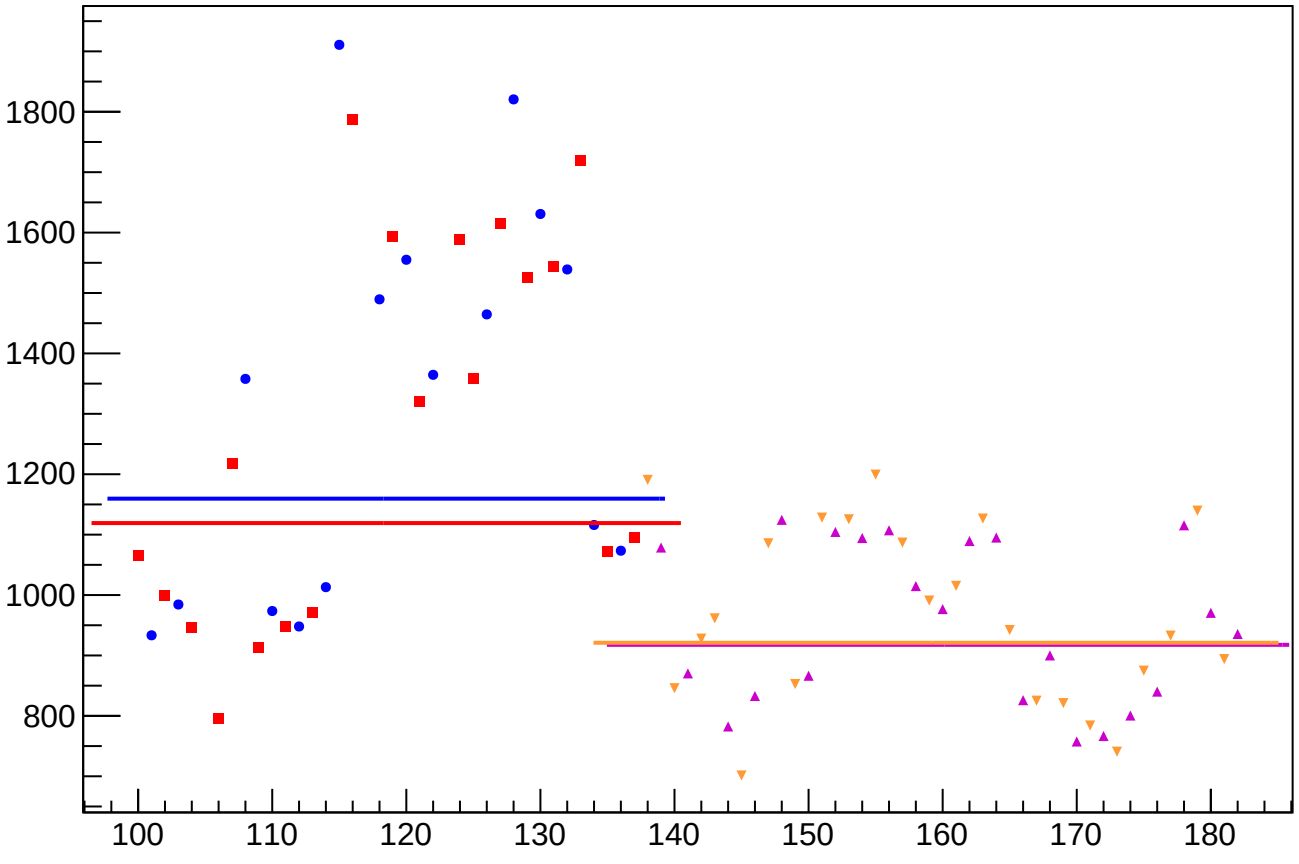
Left: -445.379+/-154.614 χ^2/NDF: 84.1/44

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 83.193+/-196.288 χ^2/NDF:43.5/37

Out: -597.366+/-194.188 χ^2/NDF:80.4/41

All: -260.745+/-138.048 χ^2/NDF: 130.0/79



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 921.031+/-0.154 χ^2/NDF:870196.4/22

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 917.576+/-0.155 χ^2/NDF:665146.6/21

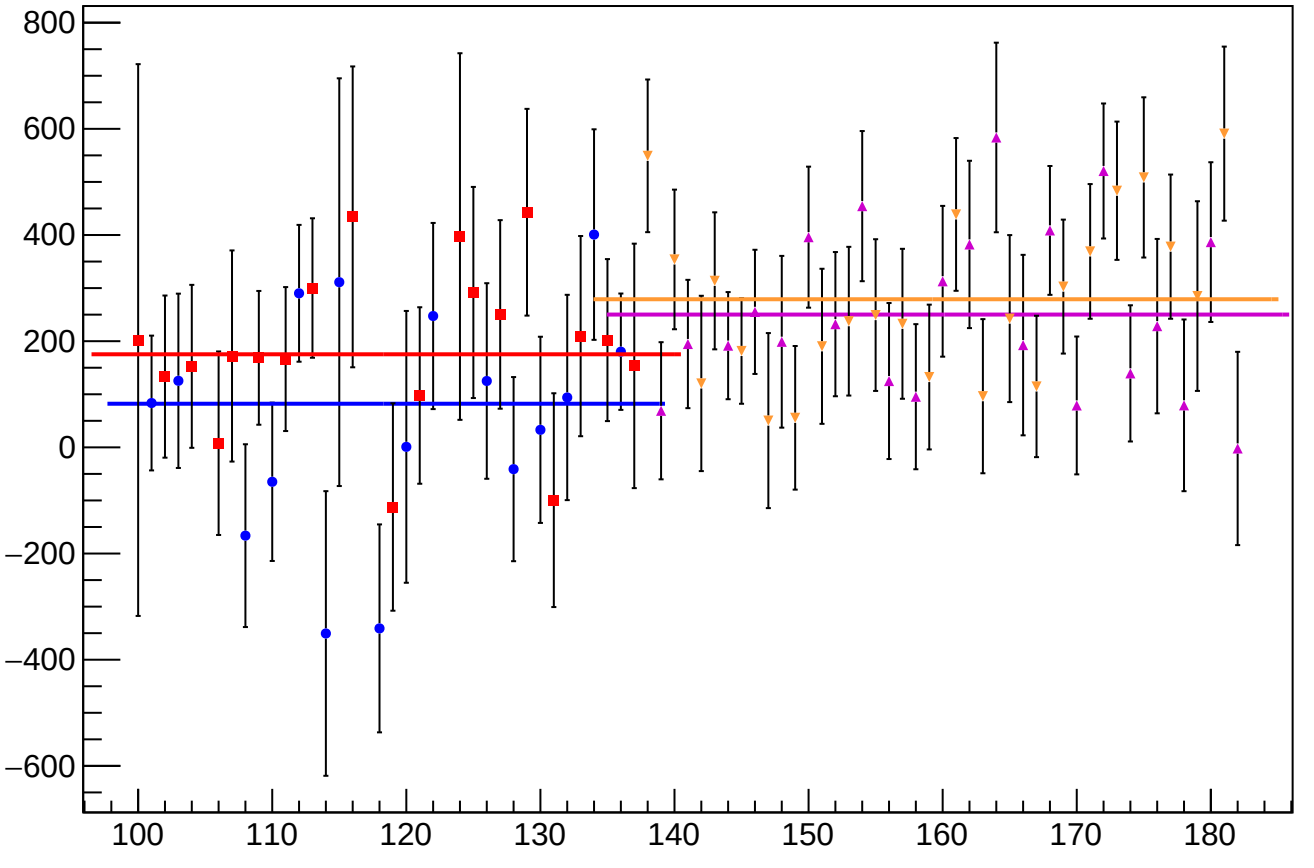
Left: 919.307+/-0.109 χ^2/NDF: 1535592.7/44

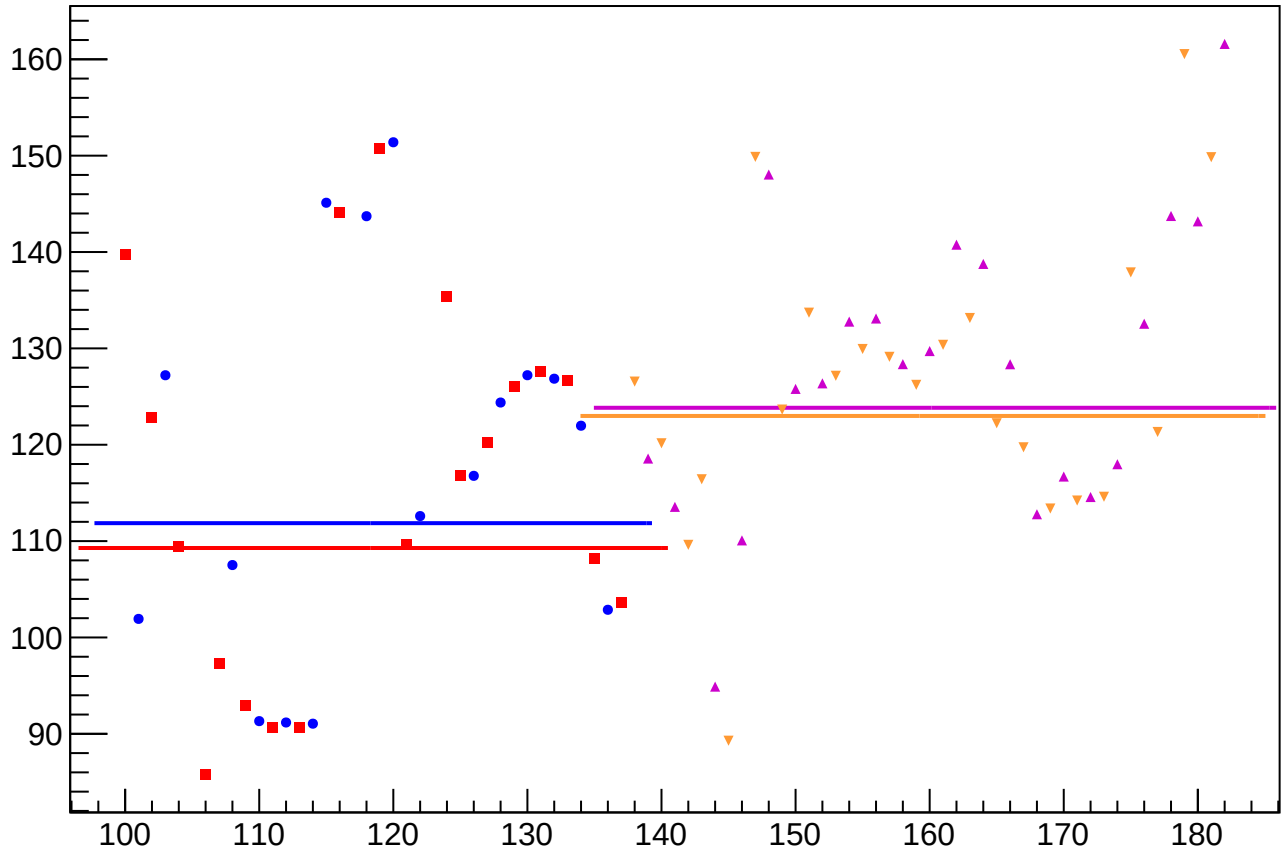
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 964.881+/-0.139 χ^2/NDF:1826893.1/37

Out: 962.633+/-0.137 χ^2/NDF:2018712.7/41

All: 963.745+/-0.098 χ^2/NDF: 3845738.3/79


eigen_cor_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
180
Right In: 82.185+/-42.133 χ²/NDF: 18.4/15
Left Out: 279.001+/-28.997 χ²/NDF:26.1/22
Right Out: 175.338+/-40.678 χ²/NDF: 9.9/18
Left In: 250.155+/-29.438 χ²/NDF:25.0/21
Left: 264.796+/-20.658 χ²/NDF: 51.6/44
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 195.056+/-24.131 χ²/NDF:54.1/37
Out: 244.074+/-23.612 χ²/NDF:40.3/41
All: 220.098+/-16.877 χ²/NDF: 96.5/79



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 122.988+/-0.021 χ^2/NDF:533076.1/22

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 123.836+/-0.021 χ^2/NDF:508318.6/21

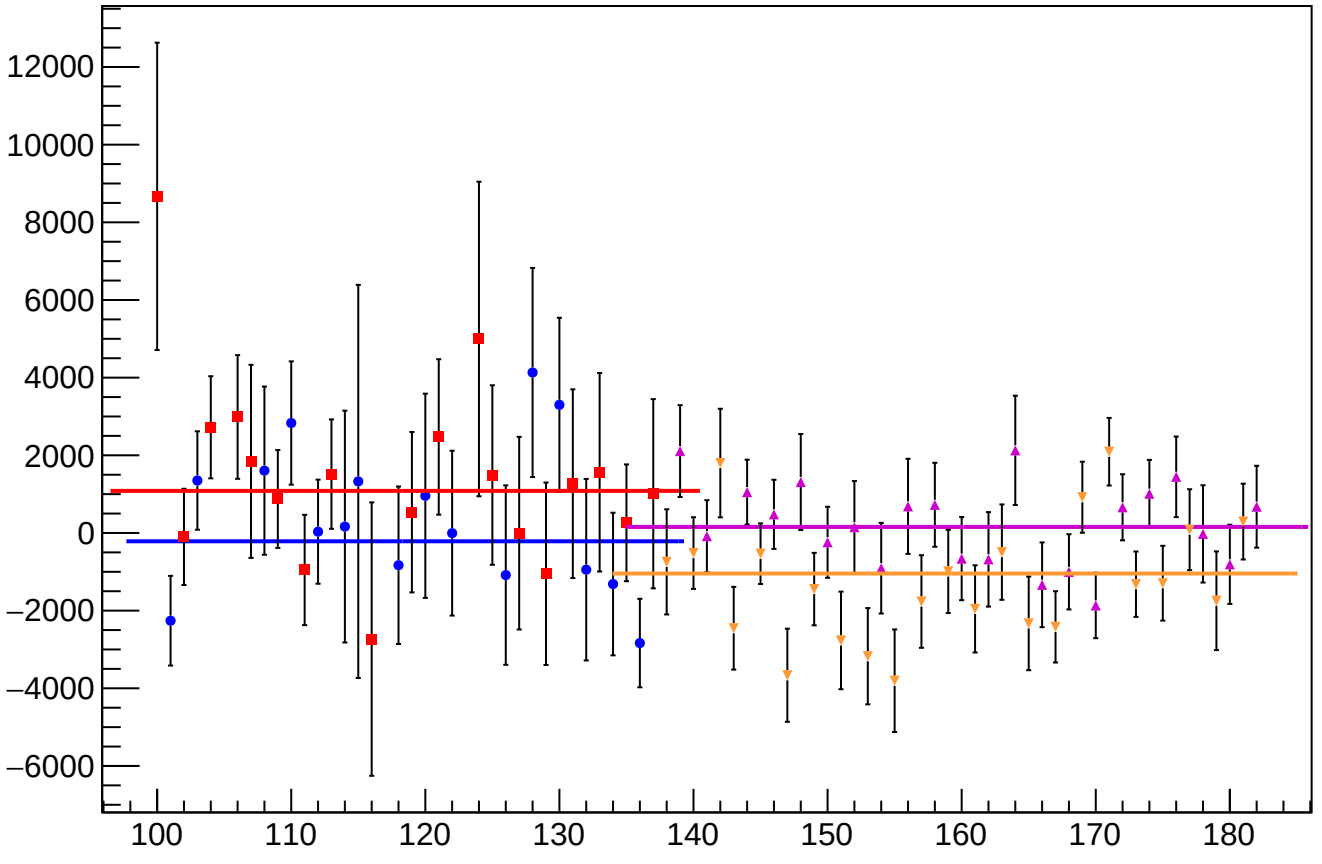
Left: 123.405+/-0.015 χ^2/NDF: 1042236.9/44

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 119.908+/-0.017 χ^2/NDF:922882.4/37

Out: 118.371+/-0.017 χ^2/NDF:1054287.6/41

All: 119.123+/-0.012 χ^2/NDF: 1981317.1/79



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1044.241+/-218.476 χ^2/NDF:46.5/22

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 155.469+/-218.838 χ^2/NDF:22.5/21

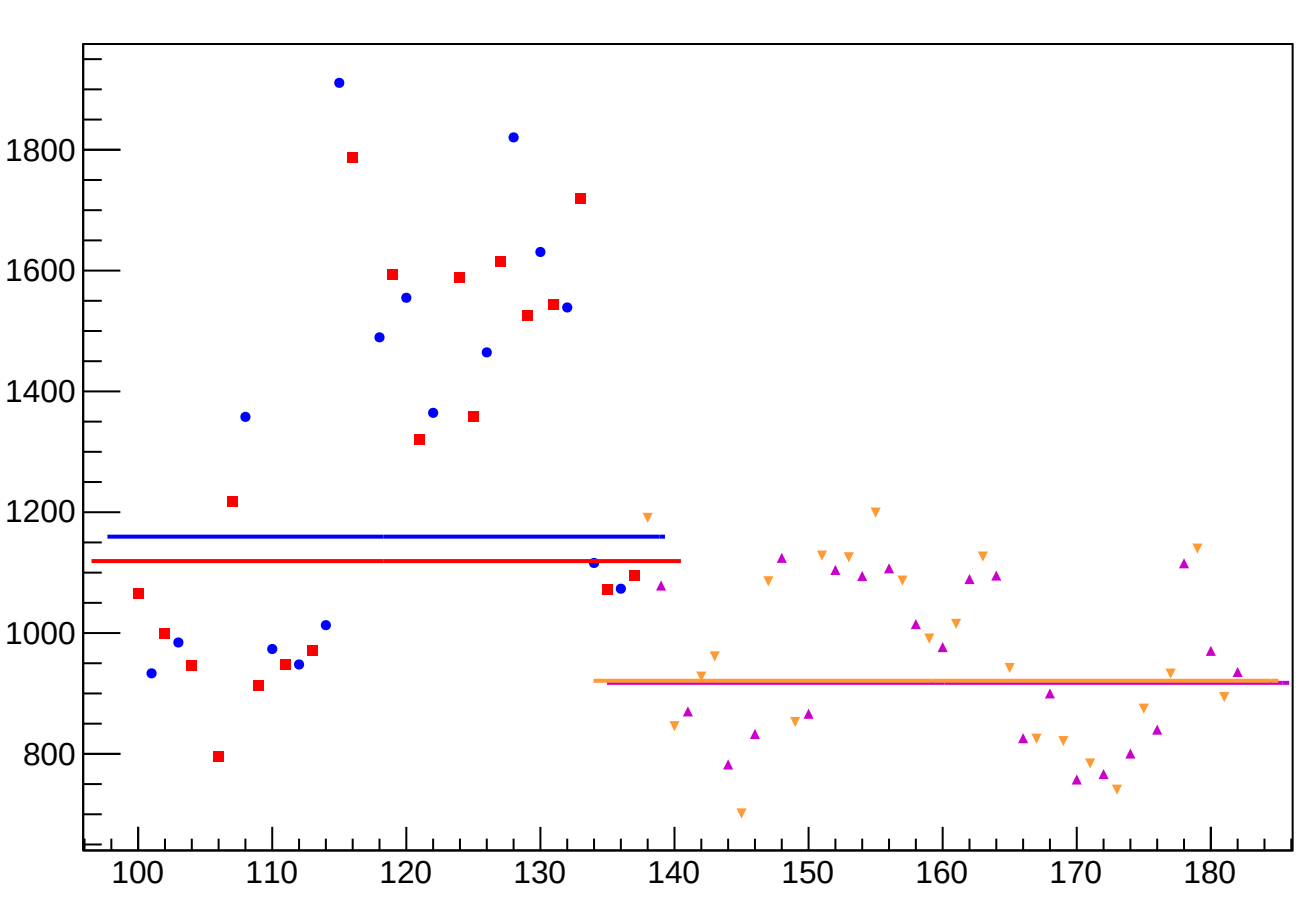
Left: -445.379+/-154.614 χ^2/NDF: 84.1/44

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 83.193+/-196.288 χ^2/NDF:43.5/37

Out: -597.366+/-194.188 χ^2/NDF:80.4/41

All: -260.745+/-138.048 χ^2/NDF: 130.0/79



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 921.031+/-0.154 χ^2/NDF:870196.4/22

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 917.576+/-0.155 χ^2/NDF:665146.6/21

Left: 919.307+/-0.109 χ^2/NDF: 1535592.7/44

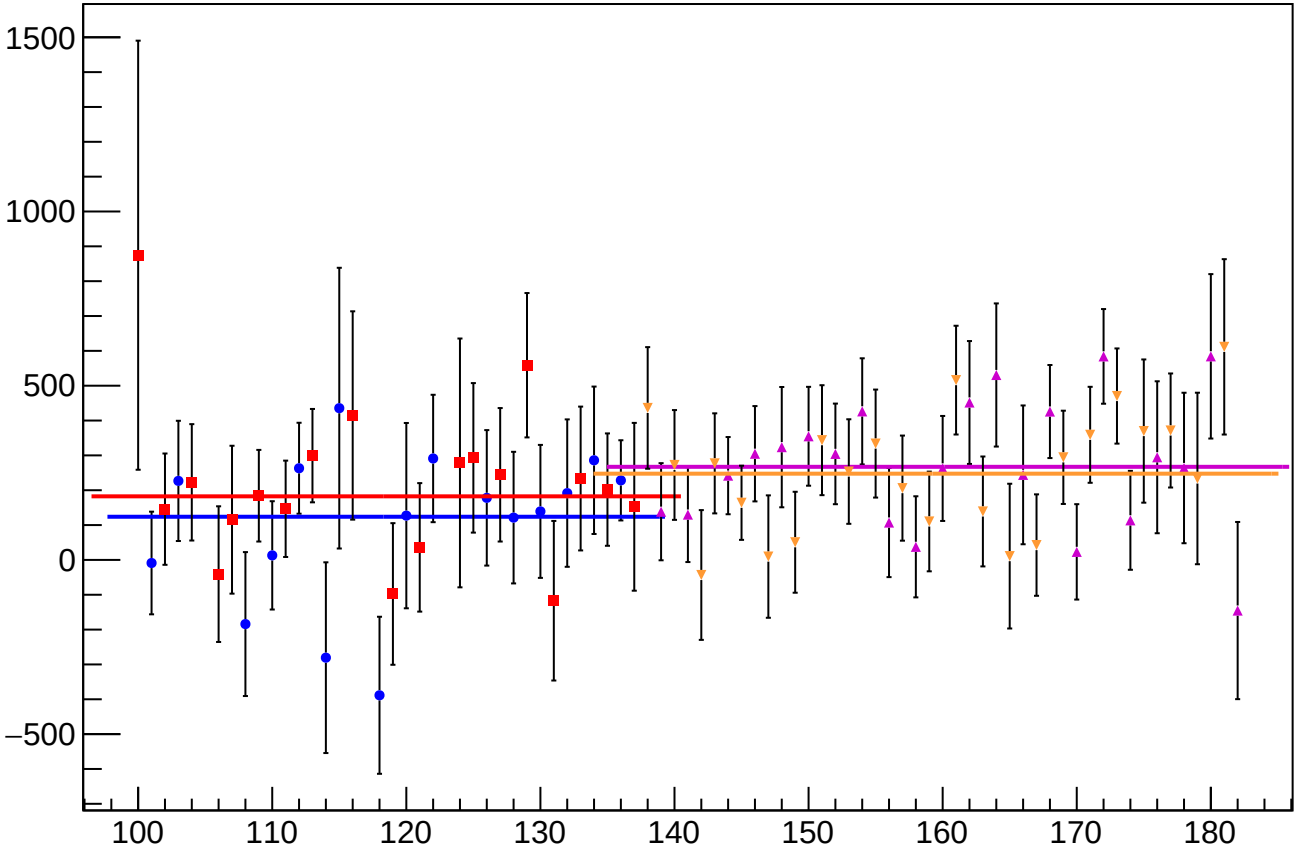
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 964.881+/-0.139 χ^2/NDF:1826893.1/37

Out: 962.633+/-0.137 χ^2/NDF:2018712.7/41

All: 963.745+/-0.098 χ^2/NDF: 3845738.3/79

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 247.508+/-32.533 χ^2/NDF:22.8/22

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 267.193+/-33.021 χ^2/NDF:25.6/21

Left: 257.204+/-23.175 χ^2/NDF: 48.6/44

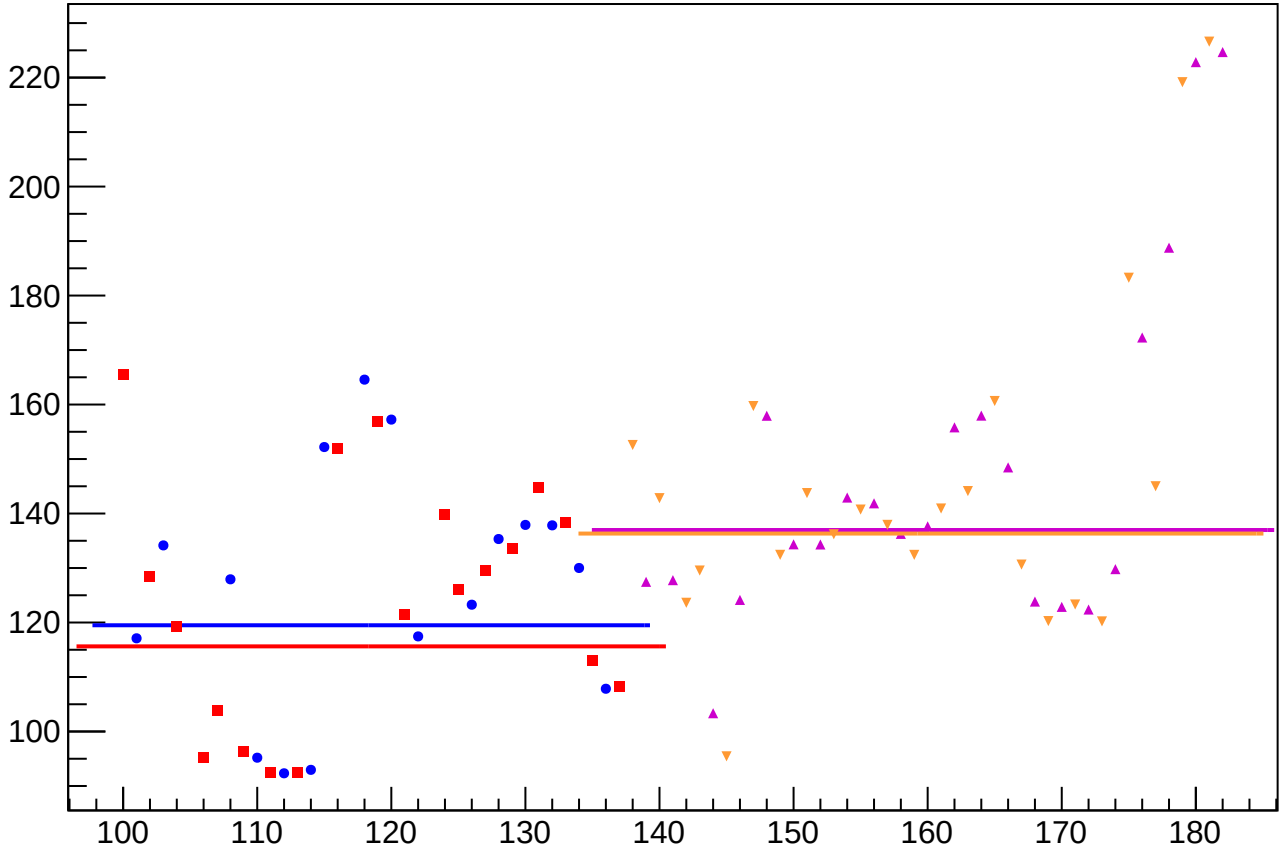
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 217.382+/-26.671 χ^2/NDF:47.6/37

Out: 223.987+/-25.993 χ^2/NDF:36.6/41

All: 220.770+/-18.615 χ^2/NDF: 84.2/79

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 136.323+/-0.023 χ^2/NDF:1079568.1/22

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 136.974+/-0.023 χ^2/NDF:1045646.4/21

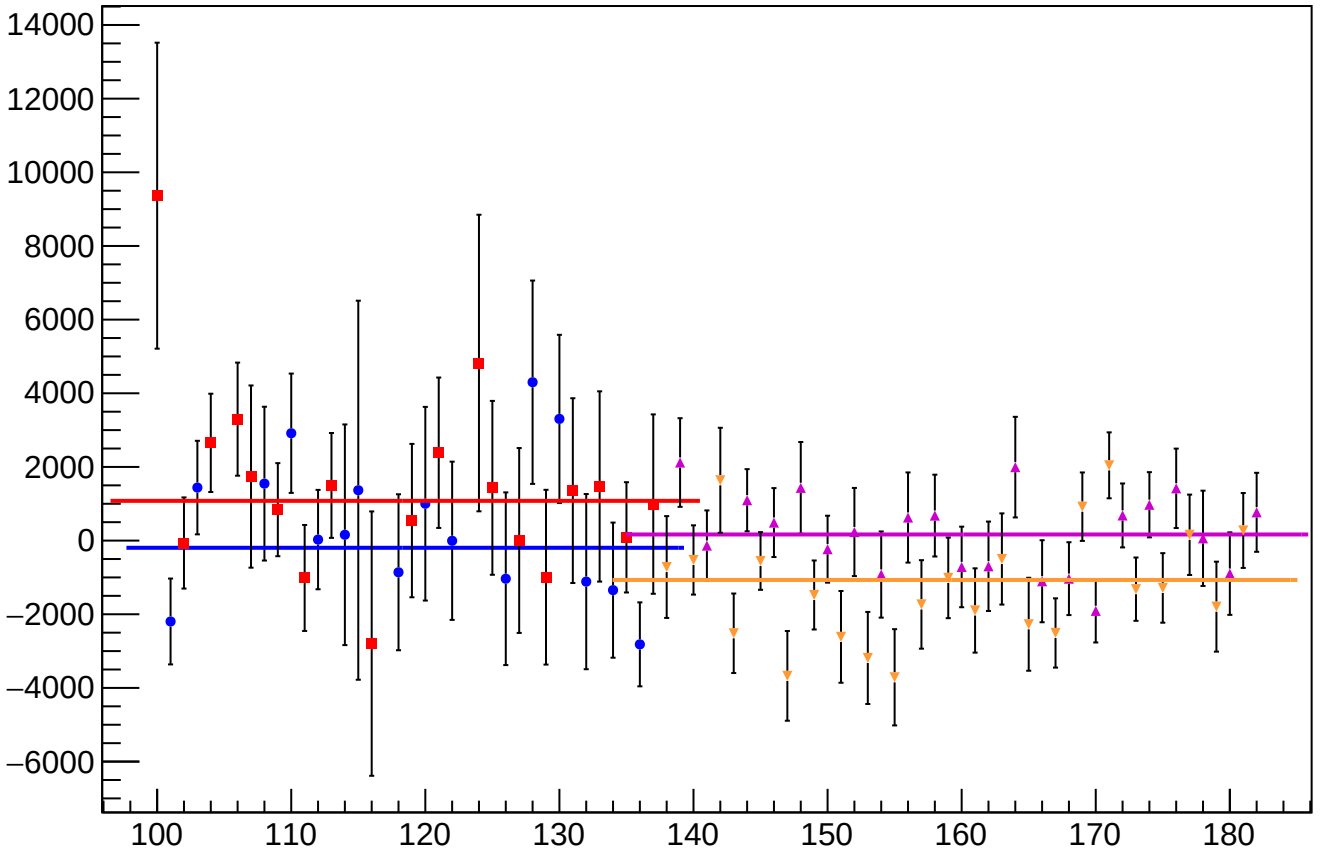
Left: 136.643+/-0.016 χ^2/NDF: 2125609.4/44

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 130.898+/-0.019 χ^2/NDF:1620696.5/37

Out: 128.837+/-0.018 χ^2/NDF:1799364.7/41

All: 129.841+/-0.013 χ^2/NDF: 3426189.8/79



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1068.538+/-221.506 χ^2/NDF:44.0/22

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 166.424+/-223.286 χ^2/NDF:21.8/21

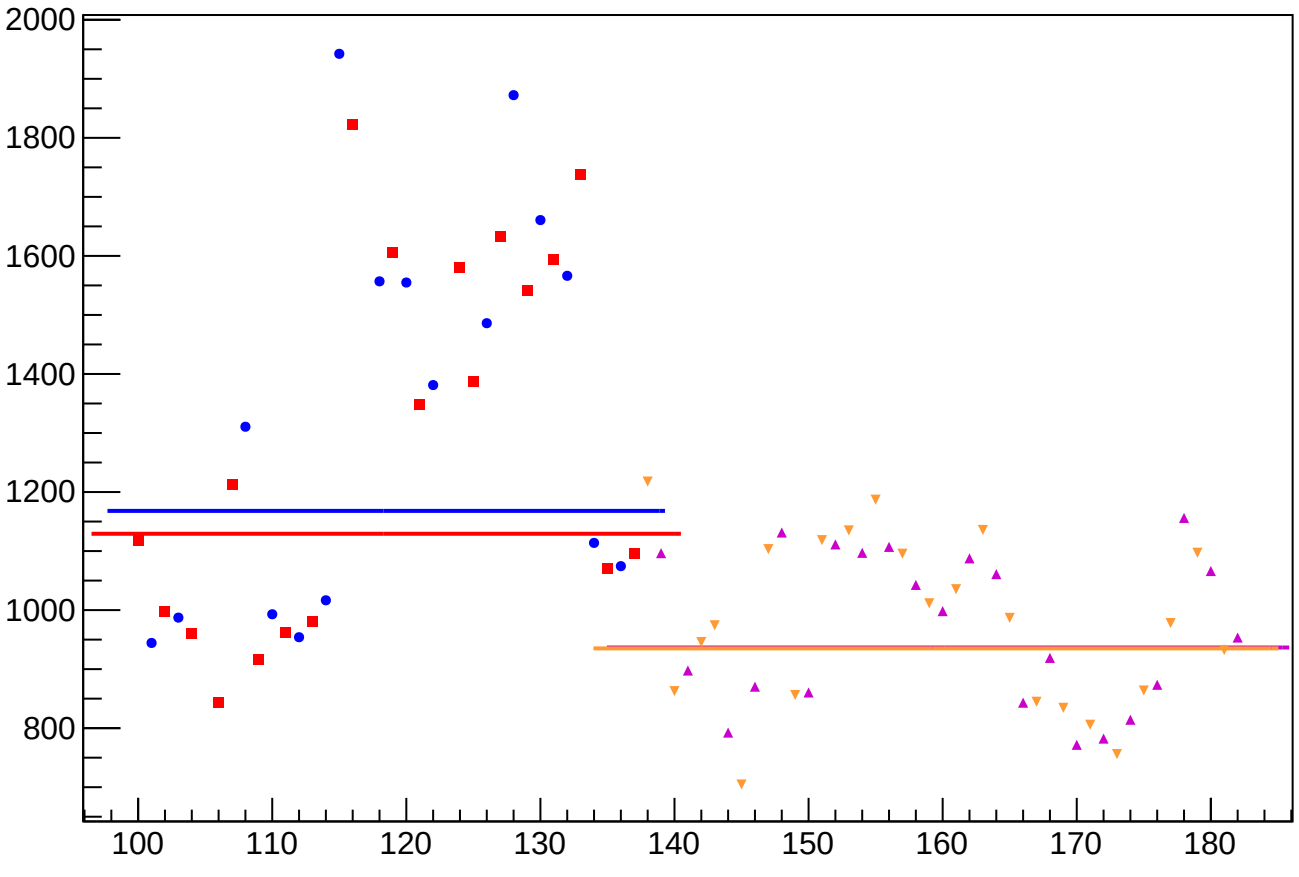
Left: -455.997+/-157.254 χ^2/NDF: 81.2/44

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 94.319+/-199.781 χ^2/NDF:42.7/37

Out: -611.319+/-196.522 χ^2/NDF:78.6/41

All: -264.302+/-140.100 χ^2/NDF: 127.6/79



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 935.140+/-0.157 χ^2/NDF:829421.1/22

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 936.615+/-0.158 χ^2/NDF:642620.0/21

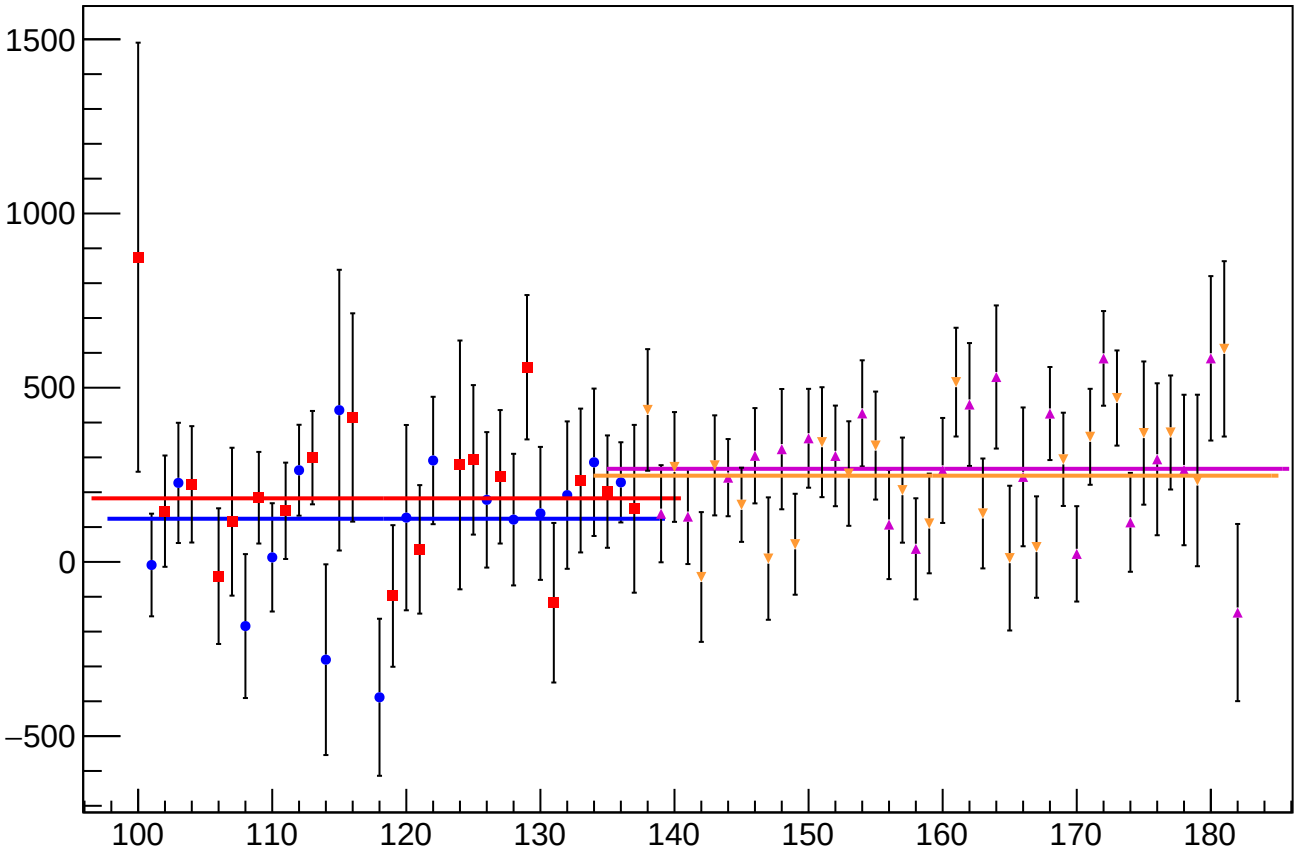
Left: 935.872+/-0.111 χ^2/NDF: 1472085.0/44

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 982.779+/-0.141 χ^2/NDF:1780588.7/37

Out: 976.474+/-0.139 χ^2/NDF:1963798.5/41

All: 979.574+/-0.099 χ^2/NDF: 3745399.6/79



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 247.510+/-32.533 χ^2/NDF:22.8/22

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 267.194+/-33.021 χ^2/NDF:25.6/21

Left: 257.206+/-23.175 χ^2/NDF: 48.6/44

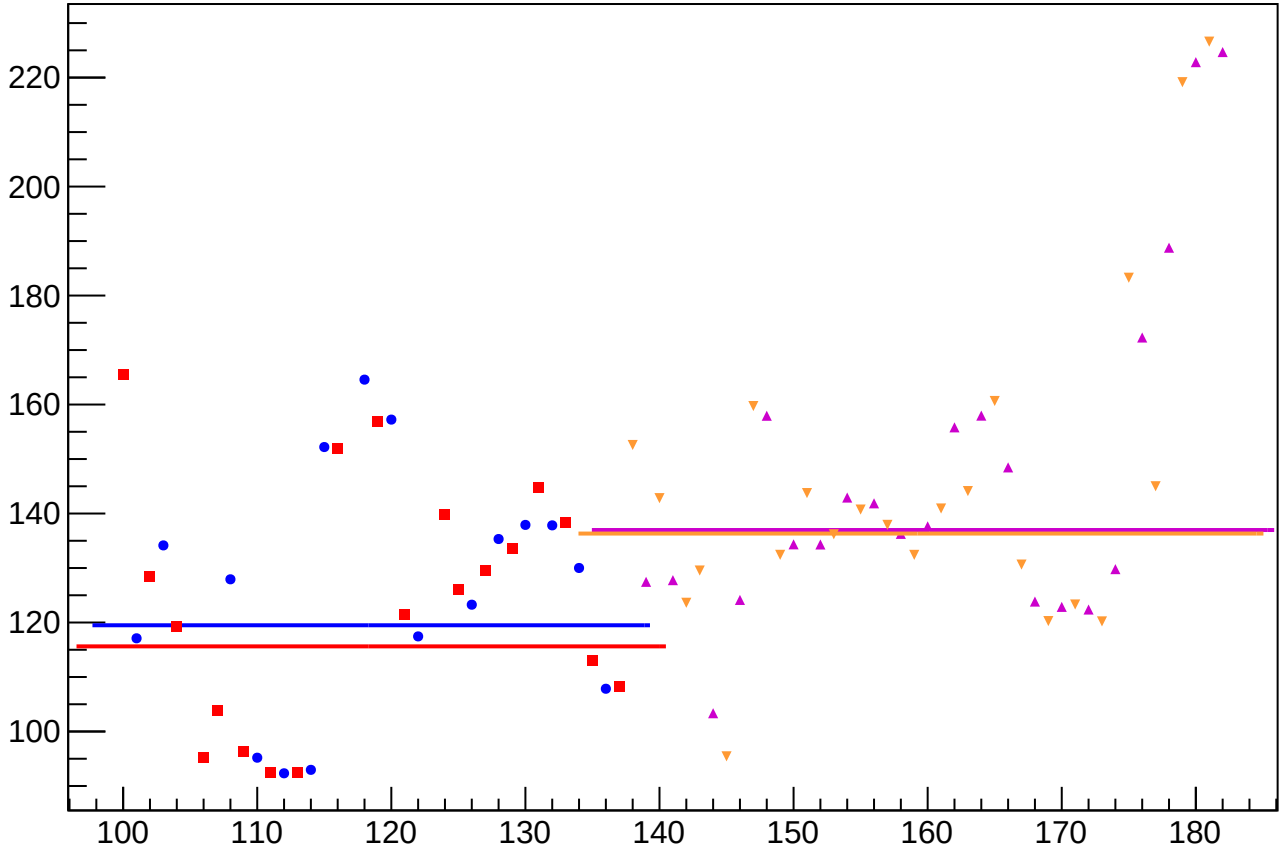
Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 217.384+/-26.671 χ^2/NDF:47.6/37

Out: 223.989+/-25.993 χ^2/NDF:36.6/41

All: 220.771+/-18.615 χ^2/NDF: 84.2/79

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 136.323+/-0.023 χ^2/NDF:1079571.9/22

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 136.974+/-0.023 χ^2/NDF:1045631.4/21

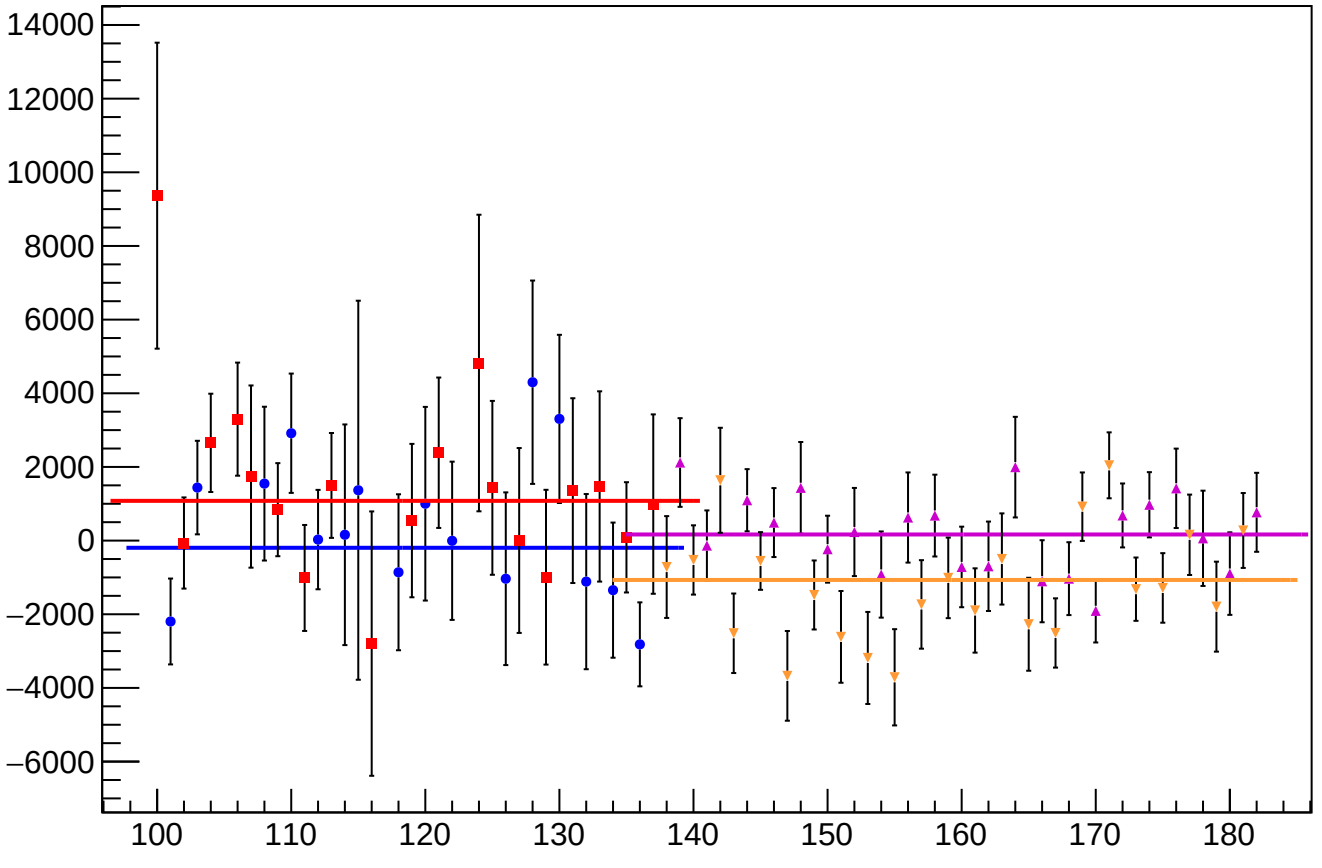
Left: 136.643+/-0.016 χ^2/NDF: 2125598.1/44

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 130.898+/-0.019 χ^2/NDF:1620684.1/37

Out: 128.837+/-0.018 χ^2/NDF:1799374.5/41

All: 129.841+/-0.013 χ^2/NDF: 3426187.4/79



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1068.536+/-221.506 χ^2/NDF:44.0/22

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 166.423+/-223.285 χ^2/NDF:21.8/21

Left: -455.996+/-157.254 χ^2/NDF: 81.2/44

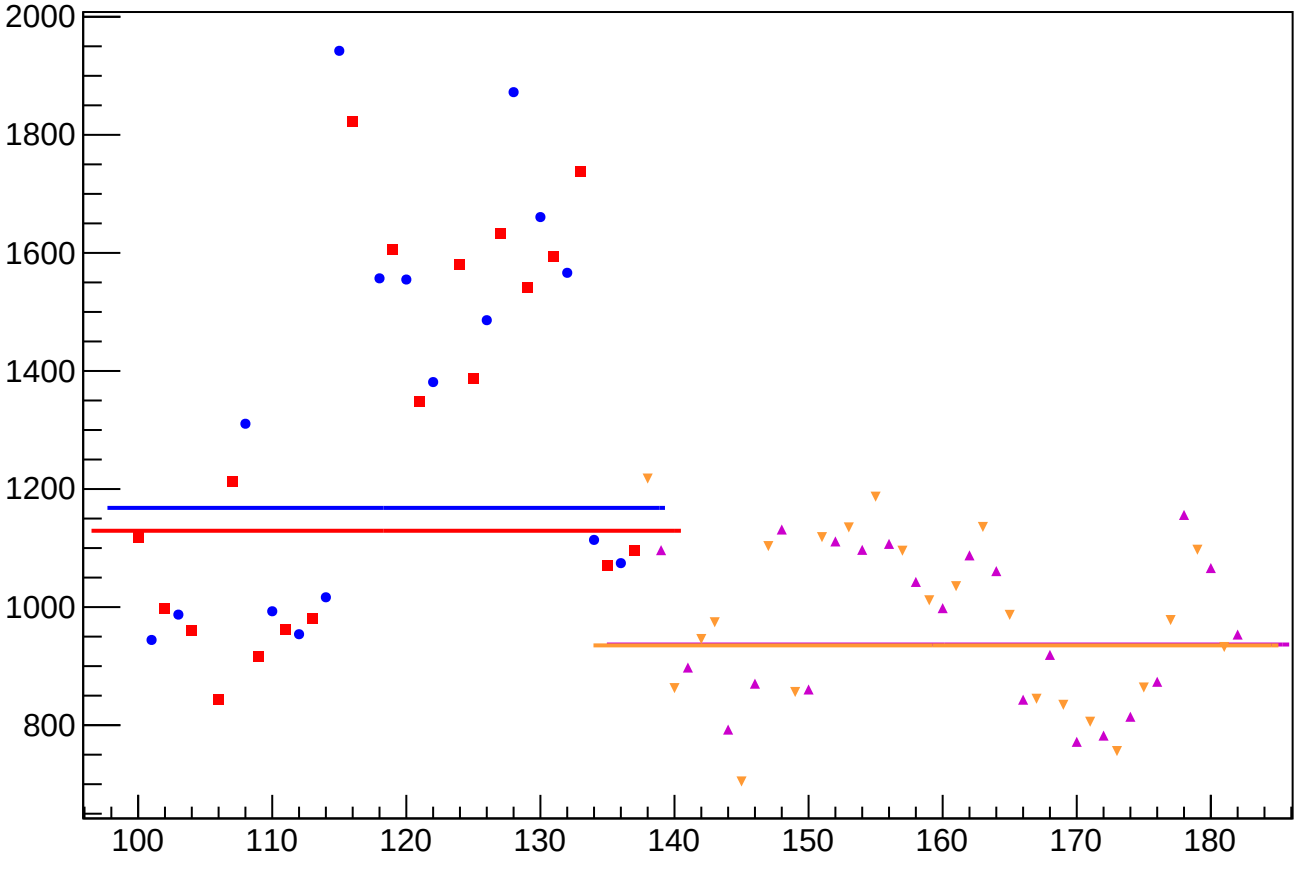
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 94.319+/-199.781 χ^2/NDF:42.7/37

Out: -611.318+/-196.522 χ^2/NDF:78.6/41

All: -264.302+/-140.100 χ^2/NDF: 127.6/79

asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 935.139+/-0.157 χ^2/NDF:829423.6/22

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 936.614+/-0.158 χ^2/NDF:642618.6/21

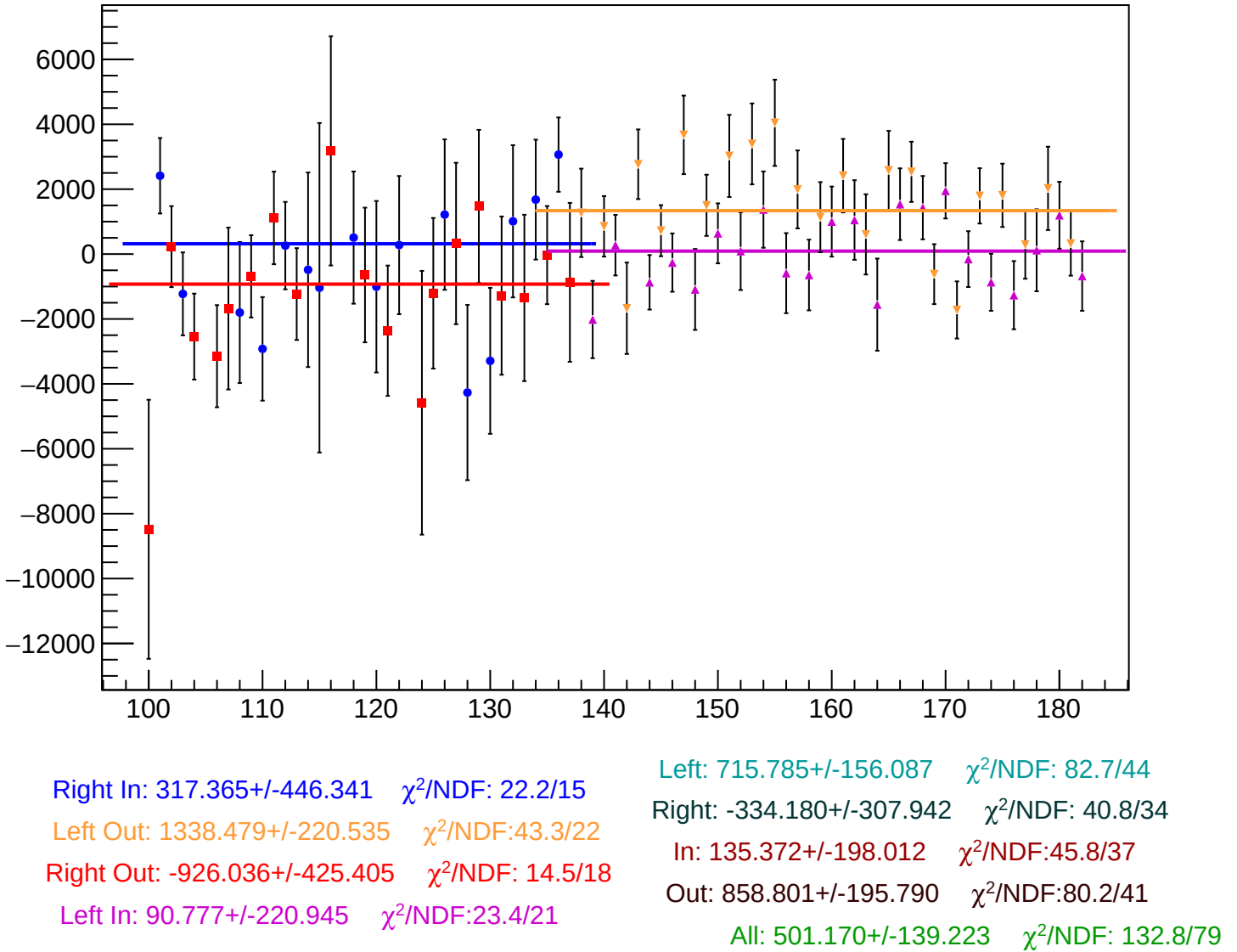
Left: 935.871+/-0.111 χ^2/NDF: 1472086.2/44

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

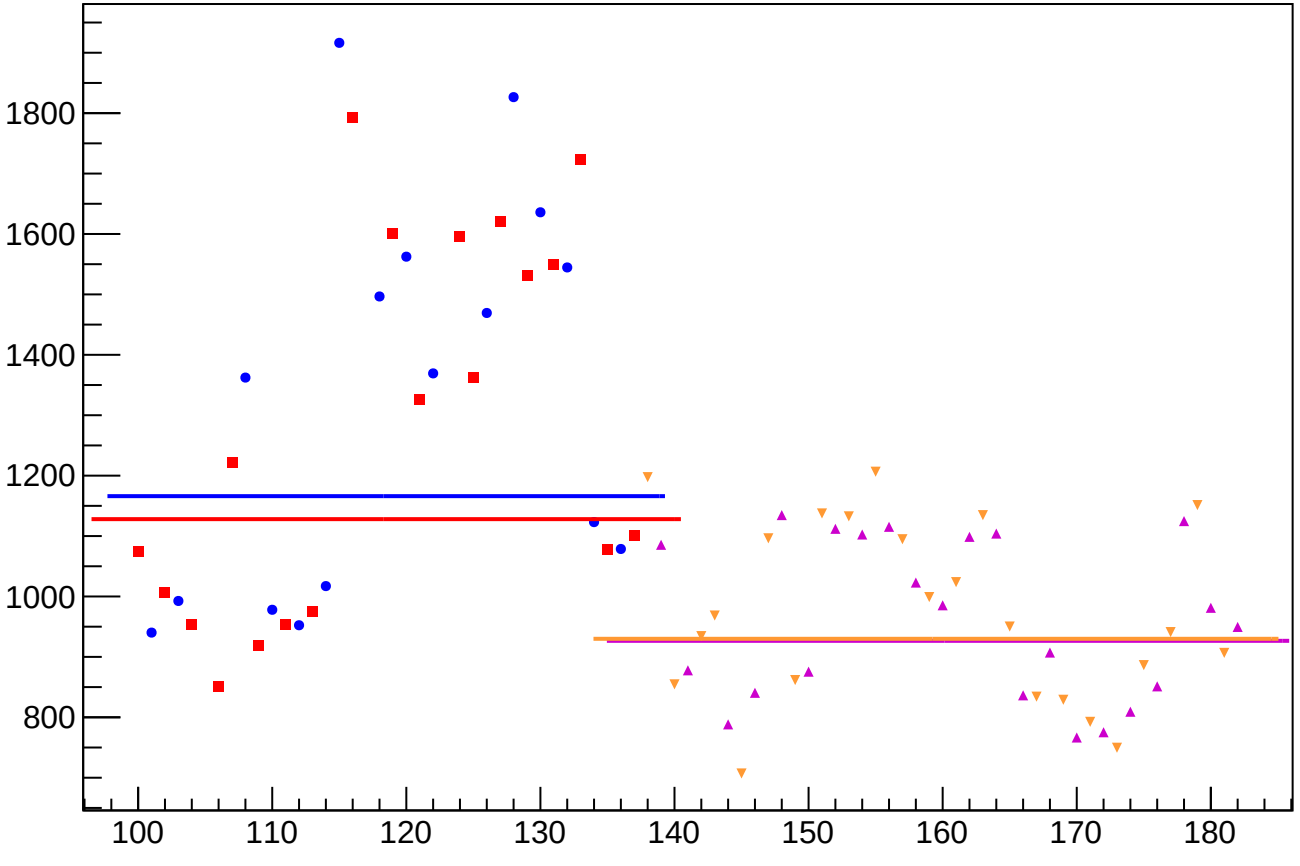
In: 982.778+/-0.141 χ^2/NDF:1780592.3/37

Out: 976.473+/-0.139 χ^2/NDF:1963805.6/41

All: 979.573+/-0.099 χ^2/NDF: 3745410.3/79


asym_sam_48_dd_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: 317.365+/-446.341 χ²/NDF: 22.2/15
Left Out: 1338.479+/-220.535 χ²/NDF:43.3/22
Right Out: -926.036+/-425.405 χ²/NDF: 14.5/18
Left In: 90.777+/-220.945 χ²/NDF:23.4/21
Left: 715.785+/-156.087 χ²/NDF: 82.7/44
Right: -334.180+/-307.942 χ²/NDF: 40.8/34
In: 135.372+/-198.012 χ²/NDF:45.8/37
Out: 858.801+/-195.790 χ²/NDF:80.2/41
All: 501.170+/-139.223 χ²/NDF: 132.8/79

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 929.941+/-0.156 χ^2/NDF:857900.8/22

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 926.590+/-0.156 χ^2/NDF:655084.0/21

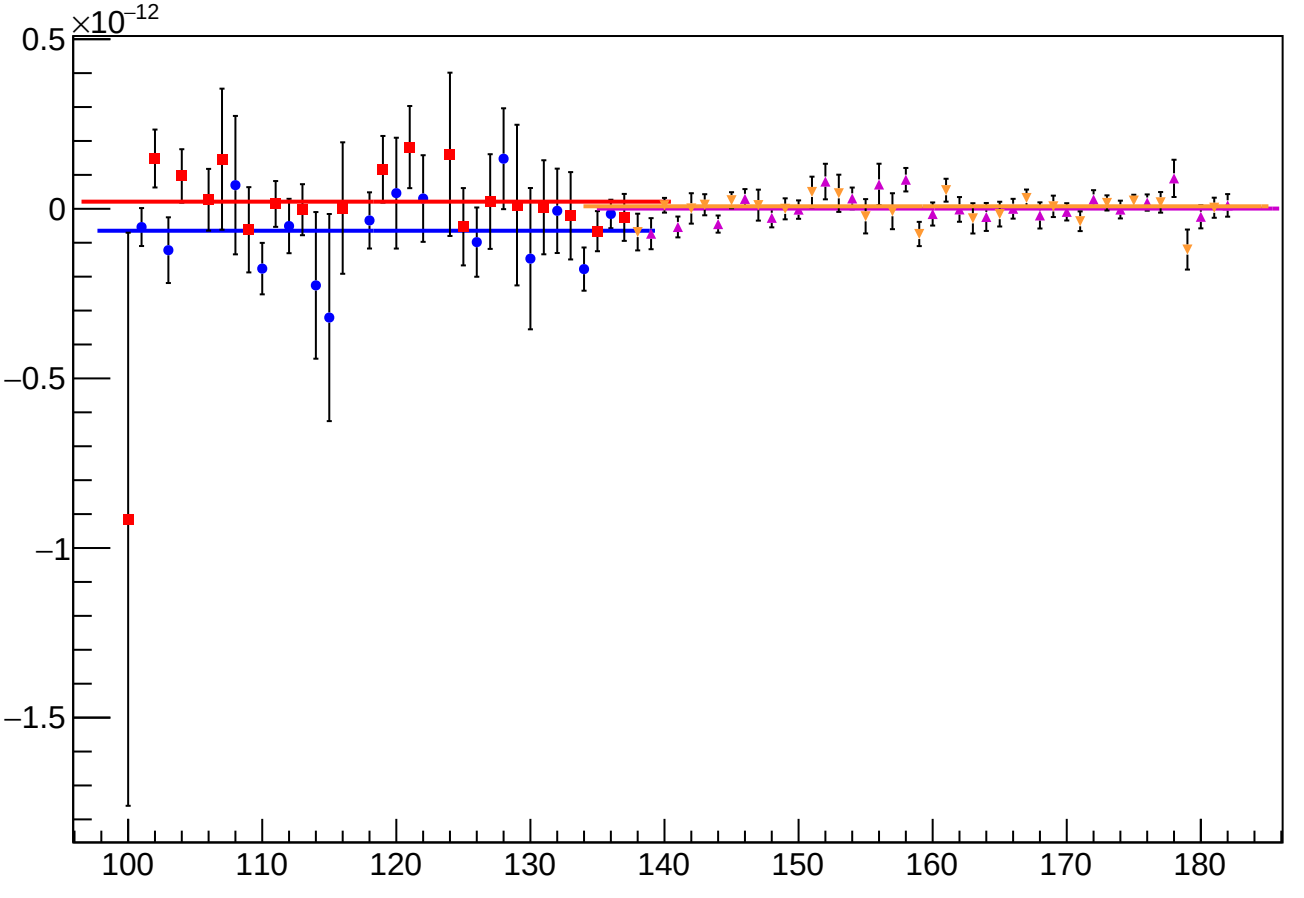
Left: 928.269+/-0.110 χ^2/NDF: 1513215.3/44

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 973.720+/-0.140 χ^2/NDF:1794532.3/37

Out: 971.896+/-0.138 χ^2/NDF:1975382.8/41

All: 972.798+/-0.098 χ^2/NDF: 3770000.9/79



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:27.2/21

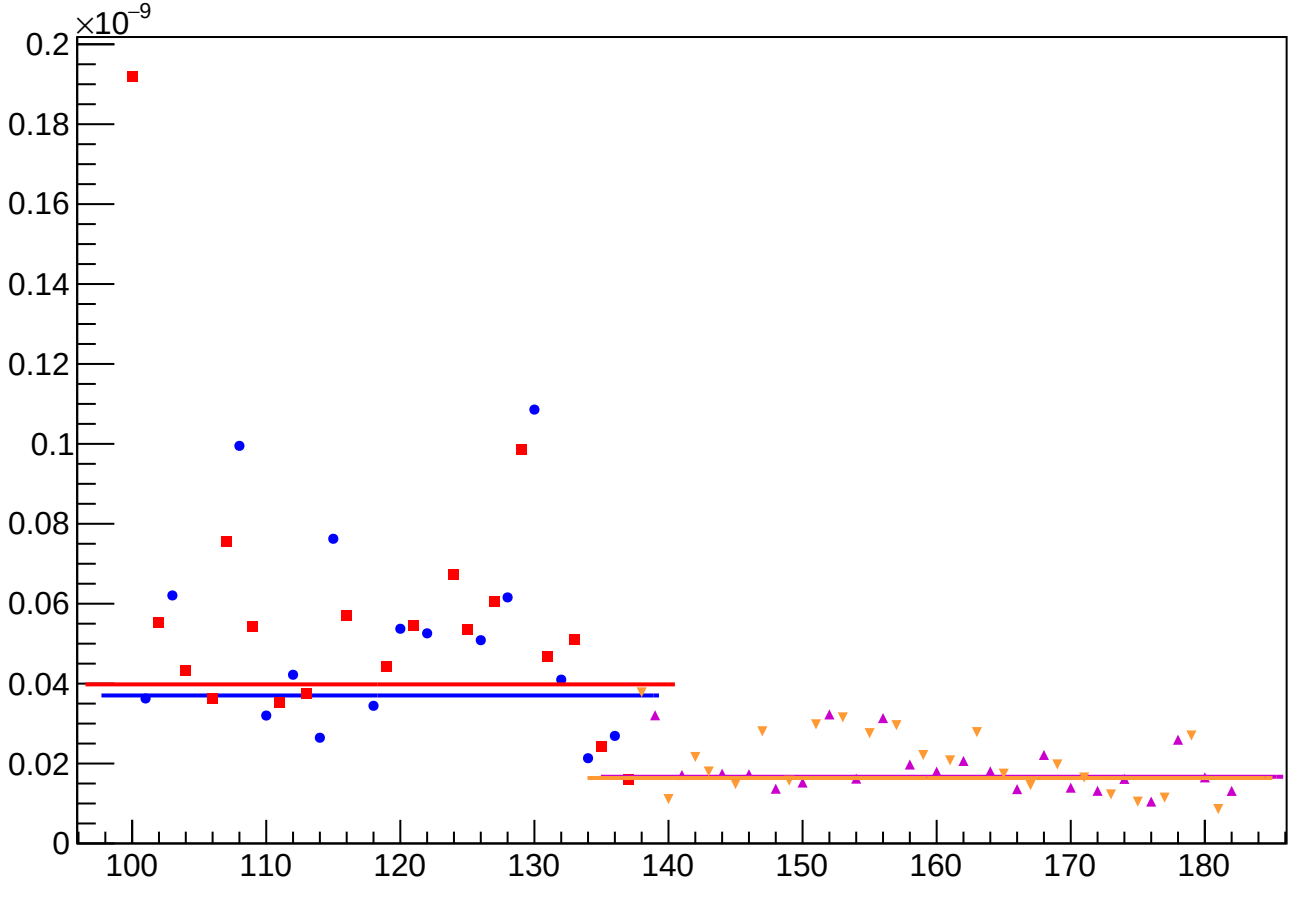
Left: 0.000+/-0.000 χ^2/NDF: 49.6/44

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:47.9/37

Out: 0.000+/-0.000 χ^2/NDF:33.7/41

All: 0.000+/-0.000 χ^2/NDF: 83.8/79



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1967071.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:927477.6/21

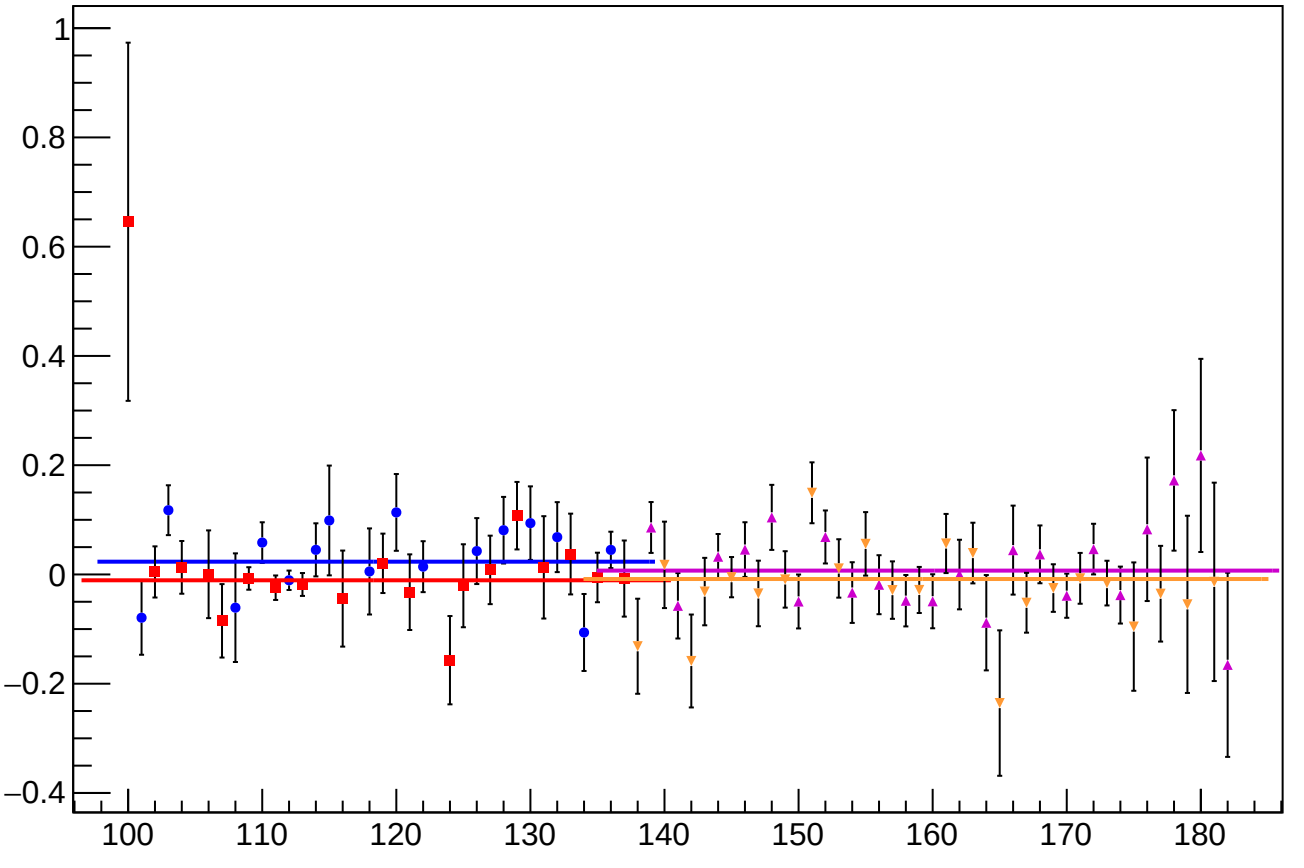
Left: 0.000+/-0.000 χ^2/NDF: 2896799.6/44

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:3505202.3/37

Out: 0.000+/-0.000 χ^2/NDF:4774556.3/41

All: 0.000+/-0.000 χ^2/NDF: 8283361.5/79



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/22

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.012 χ^2/NDF:22.9/21

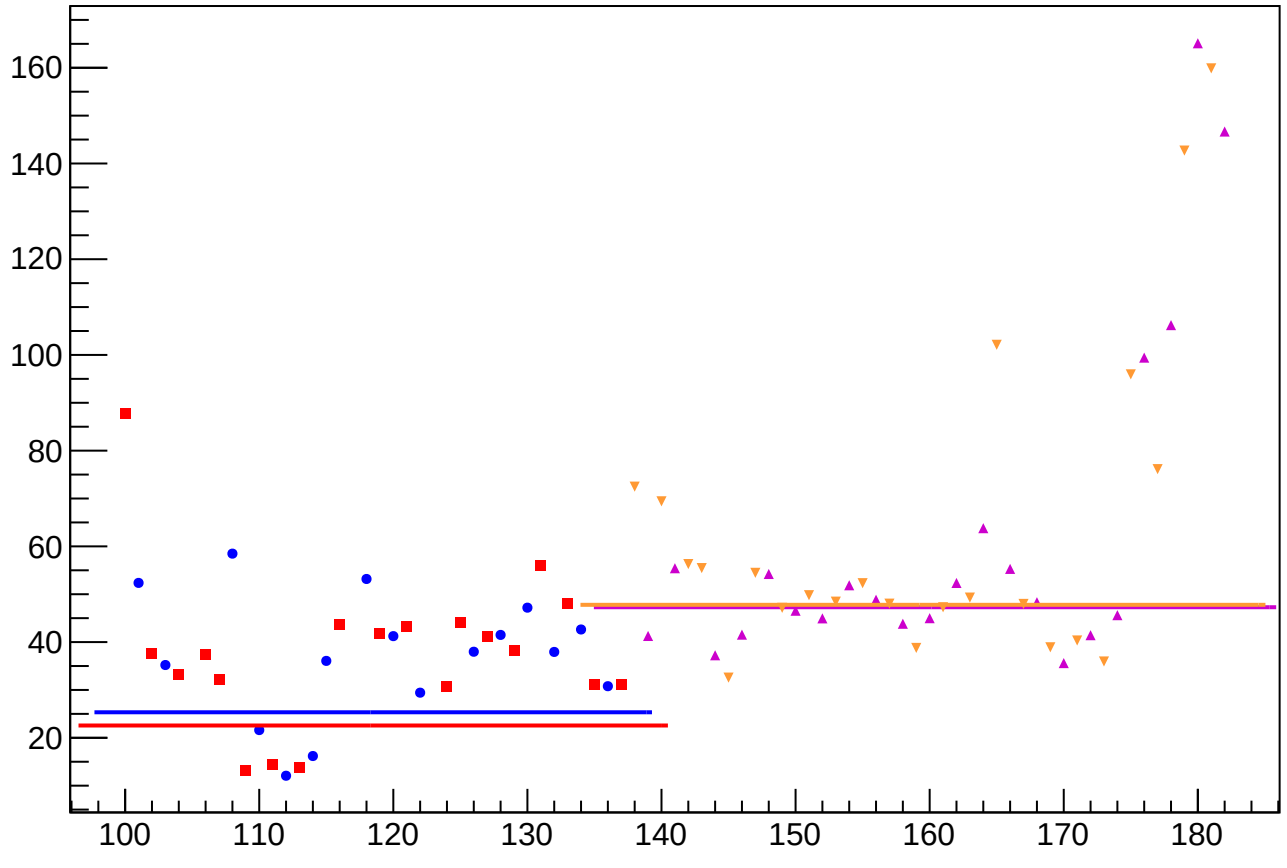
Left: -0.001+/-0.009 χ^2/NDF: 45.7/44

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:44.7/37

Out: -0.010+/-0.008 χ^2/NDF:36.2/41

All: 0.002+/-0.006 χ^2/NDF: 86.2/79



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.786+/-0.009 χ^2/NDF:3462498.5/22

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 47.282+/-0.009 χ^2/NDF:2900588.8/21

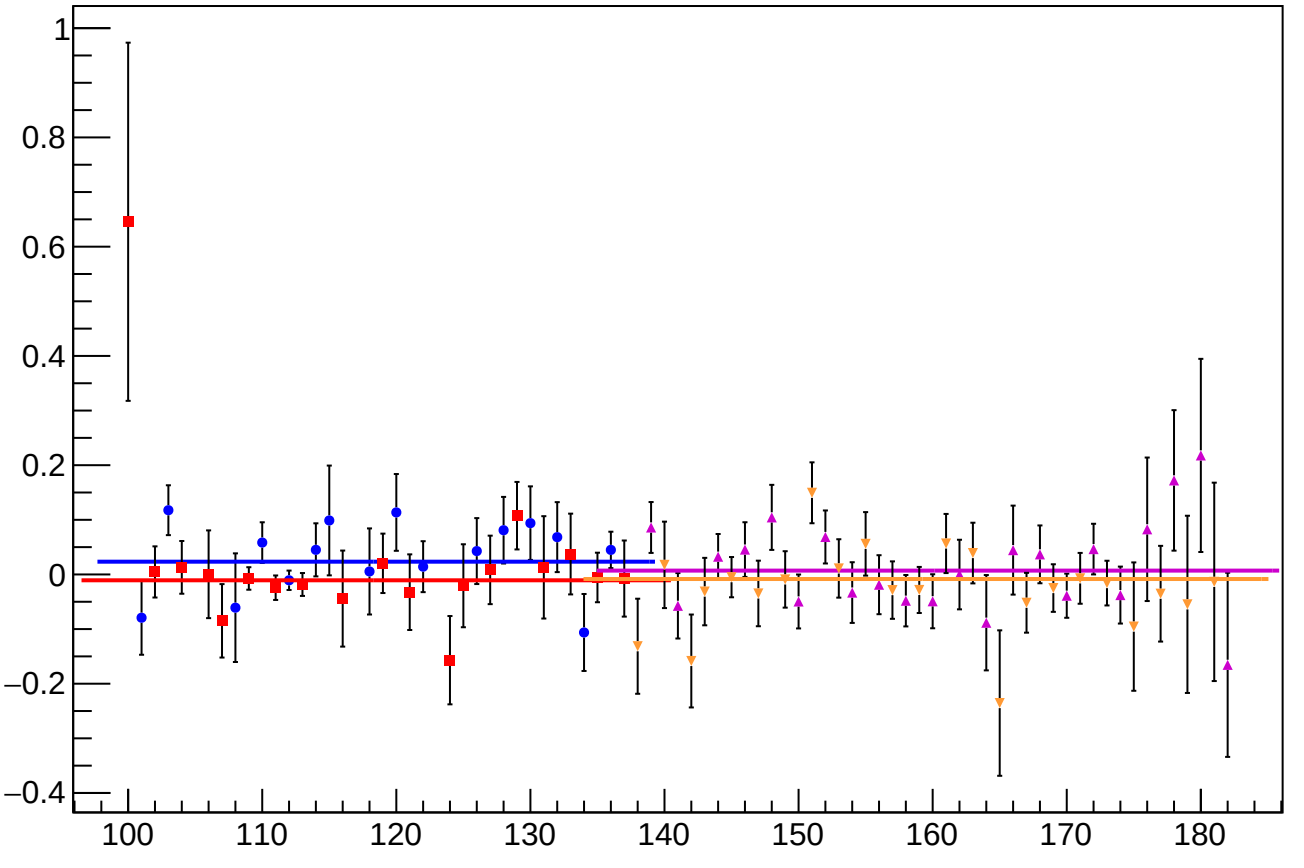
Left: 47.535+/-0.006 χ^2/NDF: 6364836.0/44

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 35.374+/-0.006 χ^2/NDF:9422896.4/37

Out: 32.612+/-0.005 χ^2/NDF:11872576.4/41

All: 33.897+/-0.004 χ^2/NDF: 21418174.4/79



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/22

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.012 χ^2/NDF:22.9/21

Left: -0.001+/-0.009 χ^2/NDF: 45.7/44

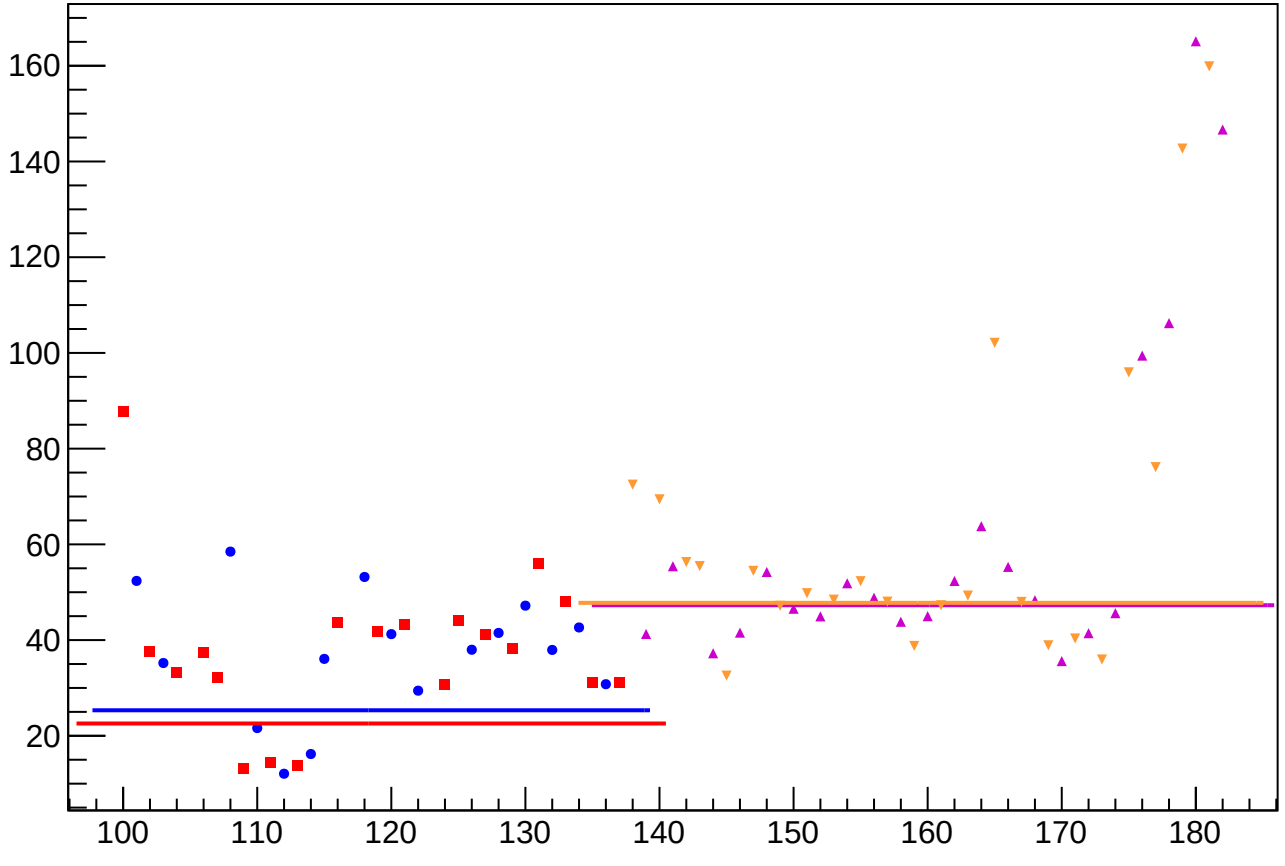
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:44.7/37

Out: -0.010+/-0.008 χ^2/NDF:36.2/41

All: 0.002+/-0.006 χ^2/NDF: 86.2/79

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.786+/-0.009 χ^2/NDF:3462498.5/22

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 47.282+/-0.009 χ^2/NDF:2900588.8/21

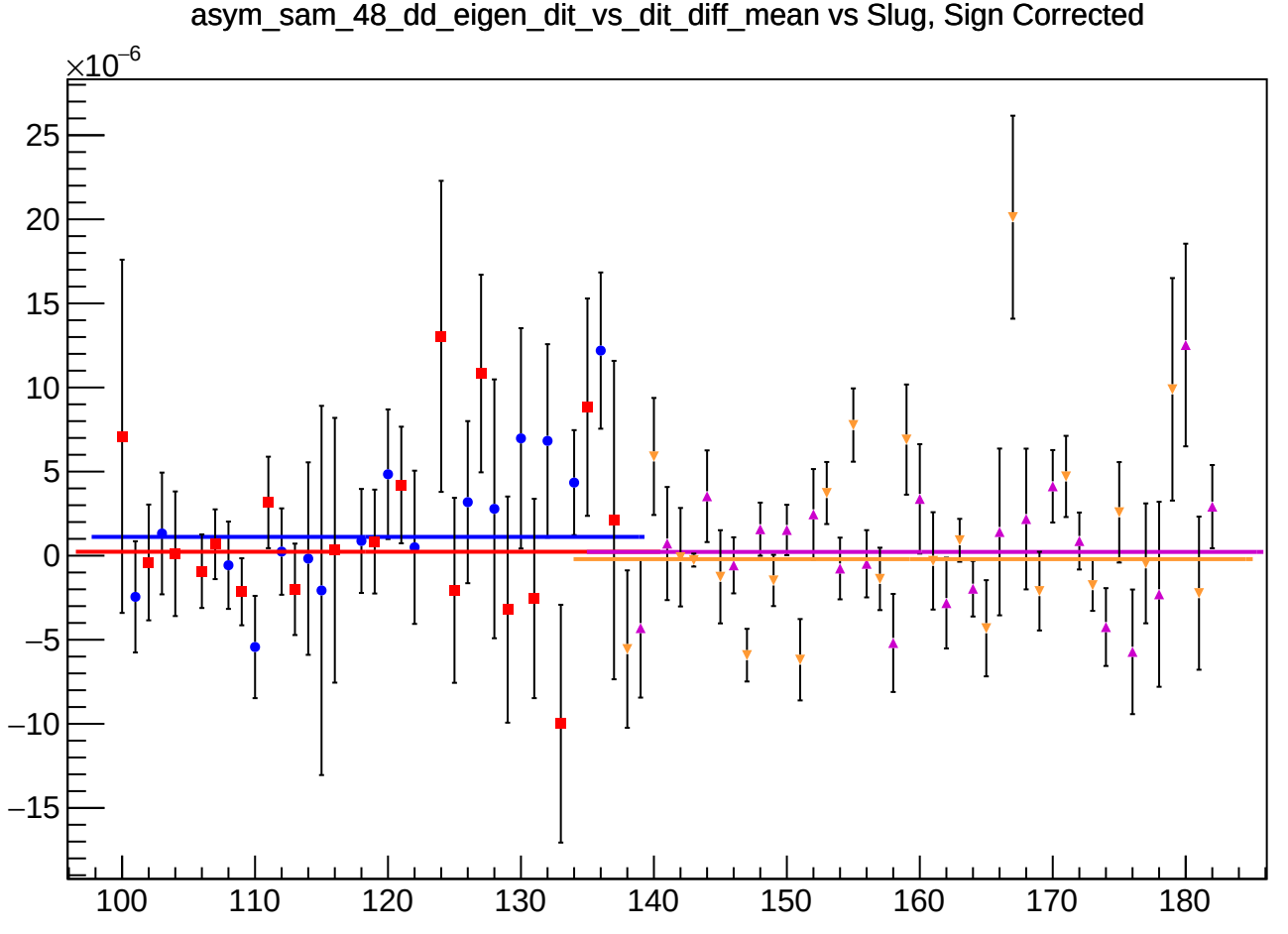
Left: 47.535+/-0.006 χ^2/NDF: 6364836.0/44

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 35.374+/-0.006 χ^2/NDF:9422896.4/37

Out: 32.612+/-0.005 χ^2/NDF:11872576.4/41

All: 33.897+/-0.004 χ^2/NDF: 21418174.4/79



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:71.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:28.5/21

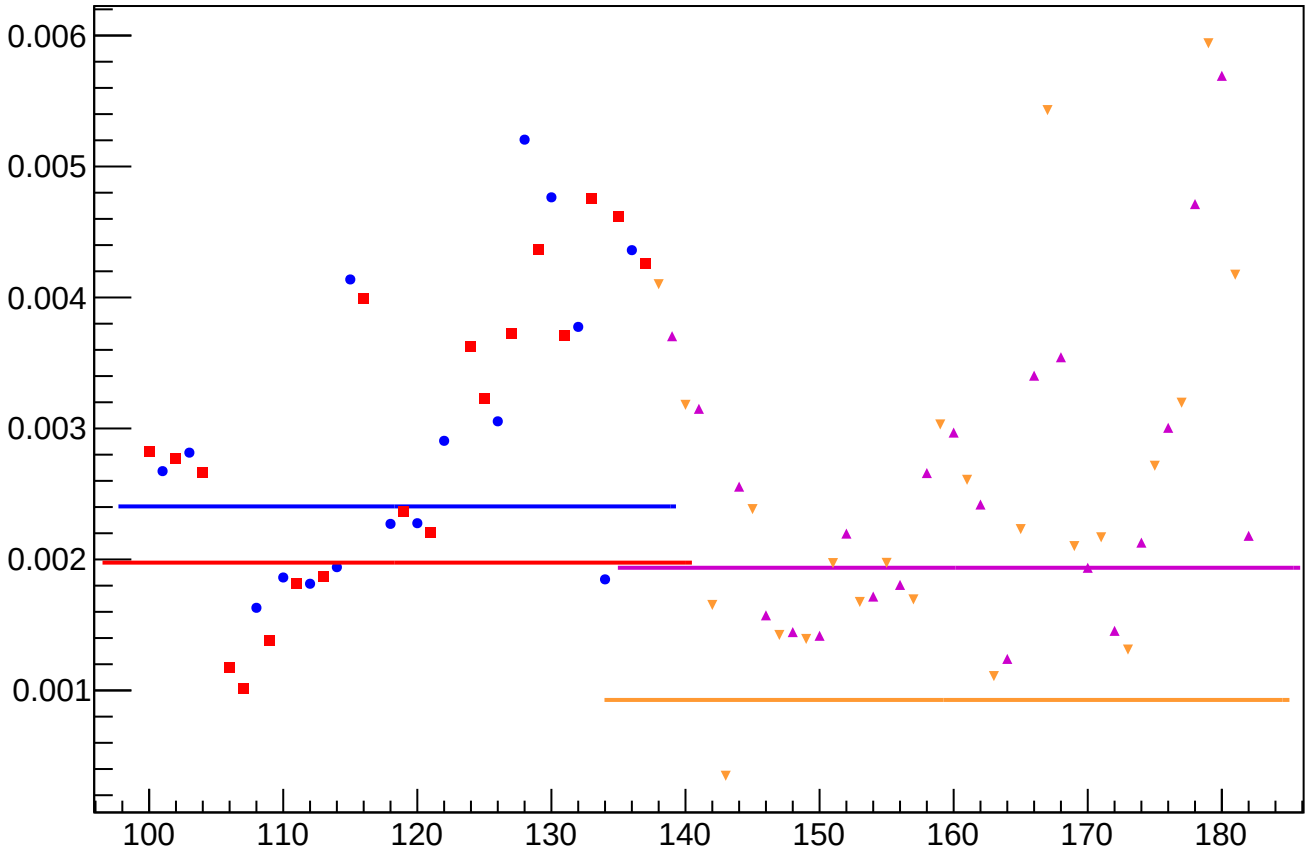
Left: -0.000+/-0.000 χ^2/NDF: 100.1/44

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:45.4/37

Out: -0.000+/-0.000 χ^2/NDF:86.5/41

All: 0.000+/-0.000 χ^2/NDF: 133.1/79



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:16743212.9/22

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:4175608.3/21

Left: 0.001+/-0.000 χ^2/NDF: 26917640.4/44

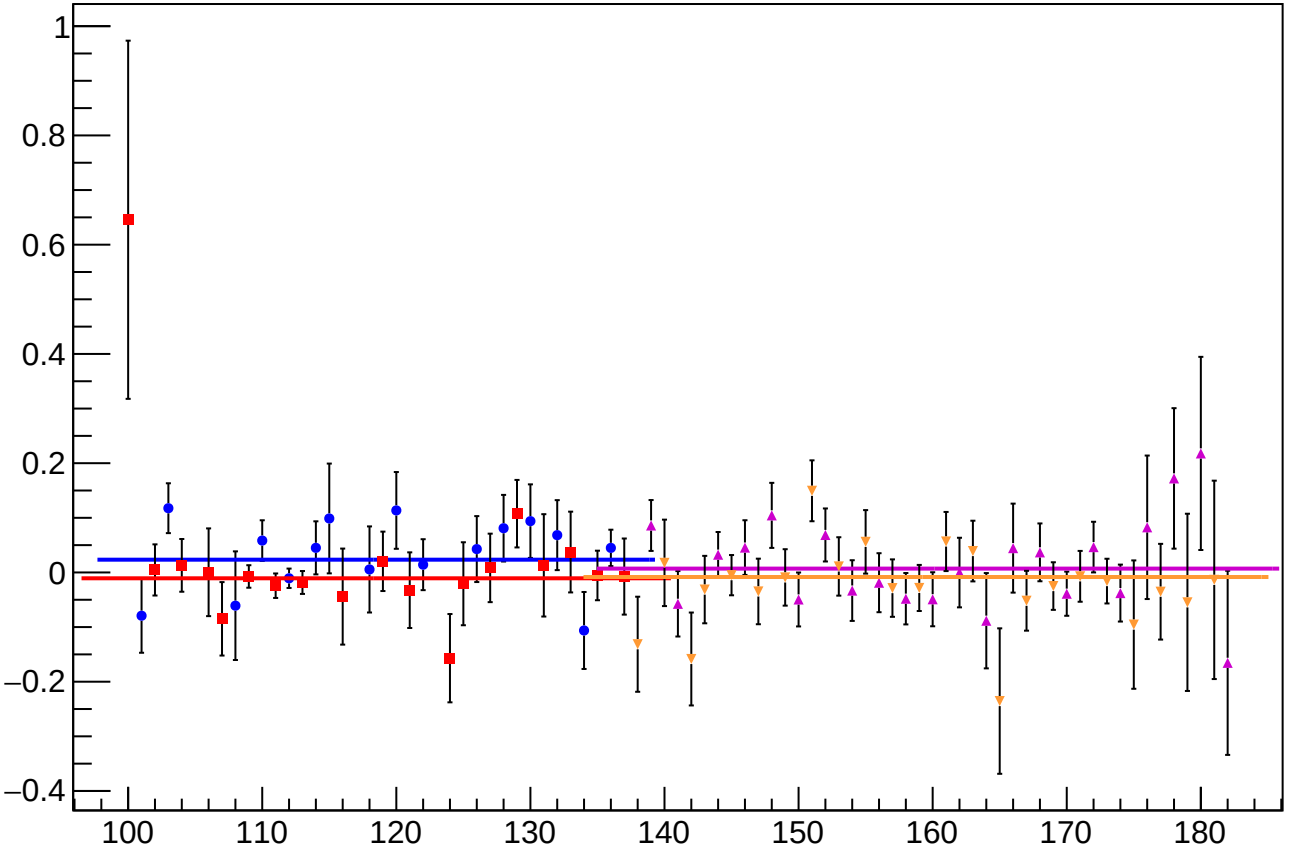
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:6126163.2/37

Out: 0.001+/-0.000 χ^2/NDF:22441313.6/41

All: 0.001+/-0.000 χ^2/NDF: 35564481.6/79

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/22

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.012 χ^2/NDF:23.0/21

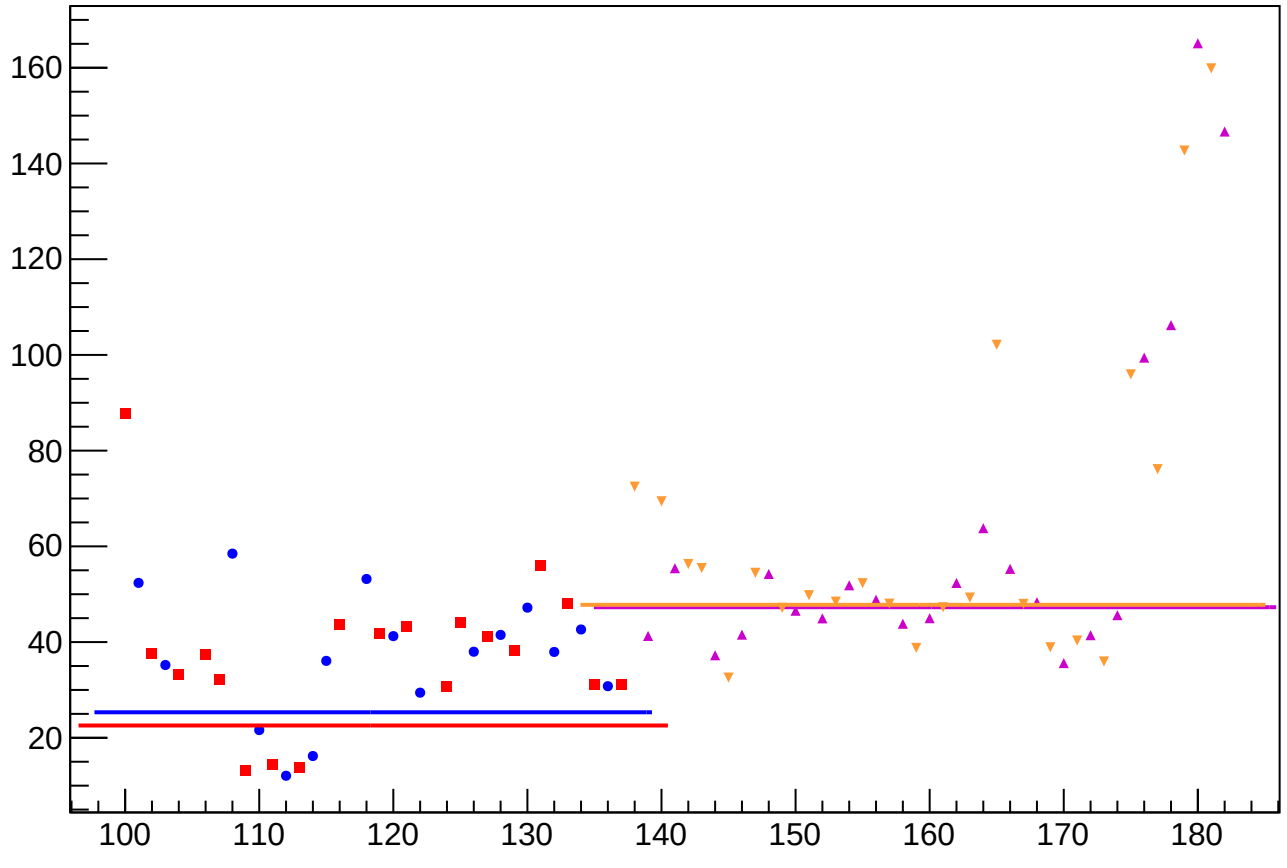
Left: -0.001+/-0.009 χ^2/NDF: 45.7/44

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:44.7/37

Out: -0.010+/-0.008 χ^2/NDF:36.2/41

All: 0.002+/-0.006 χ^2/NDF: 86.2/79



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.787+/-0.009 χ^2/NDF:3462463.3/22

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 47.283+/-0.009 χ^2/NDF:2900538.2/21

Left: 47.535+/-0.006 χ^2/NDF: 6364750.2/44

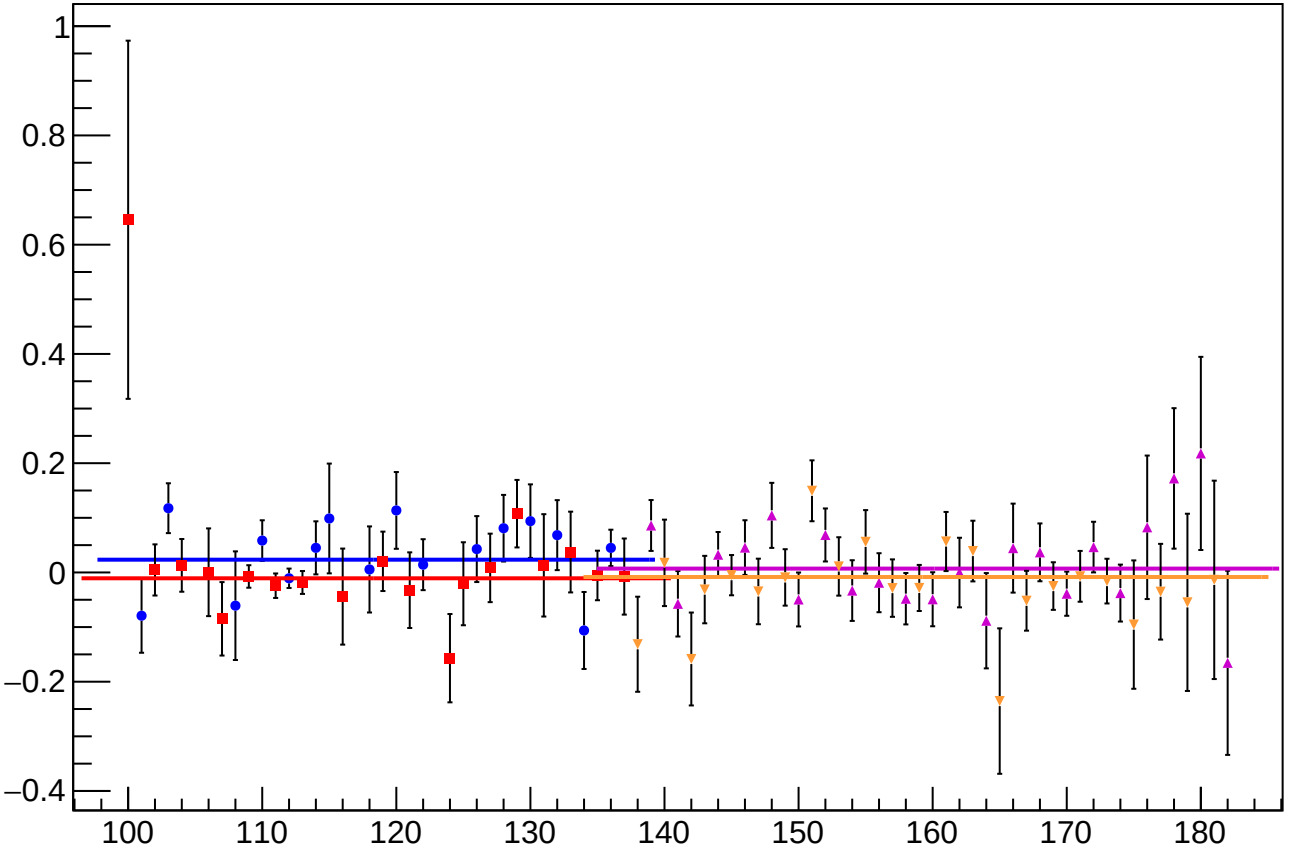
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 35.373+/-0.006 χ^2/NDF:9423864.8/37

Out: 32.612+/-0.005 χ^2/NDF:11872927.7/41

All: 33.896+/-0.004 χ^2/NDF: 21419430.8/79

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/22

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.012 χ^2/NDF:23.0/21

Left: -0.001+/-0.009 χ^2/NDF: 45.7/44

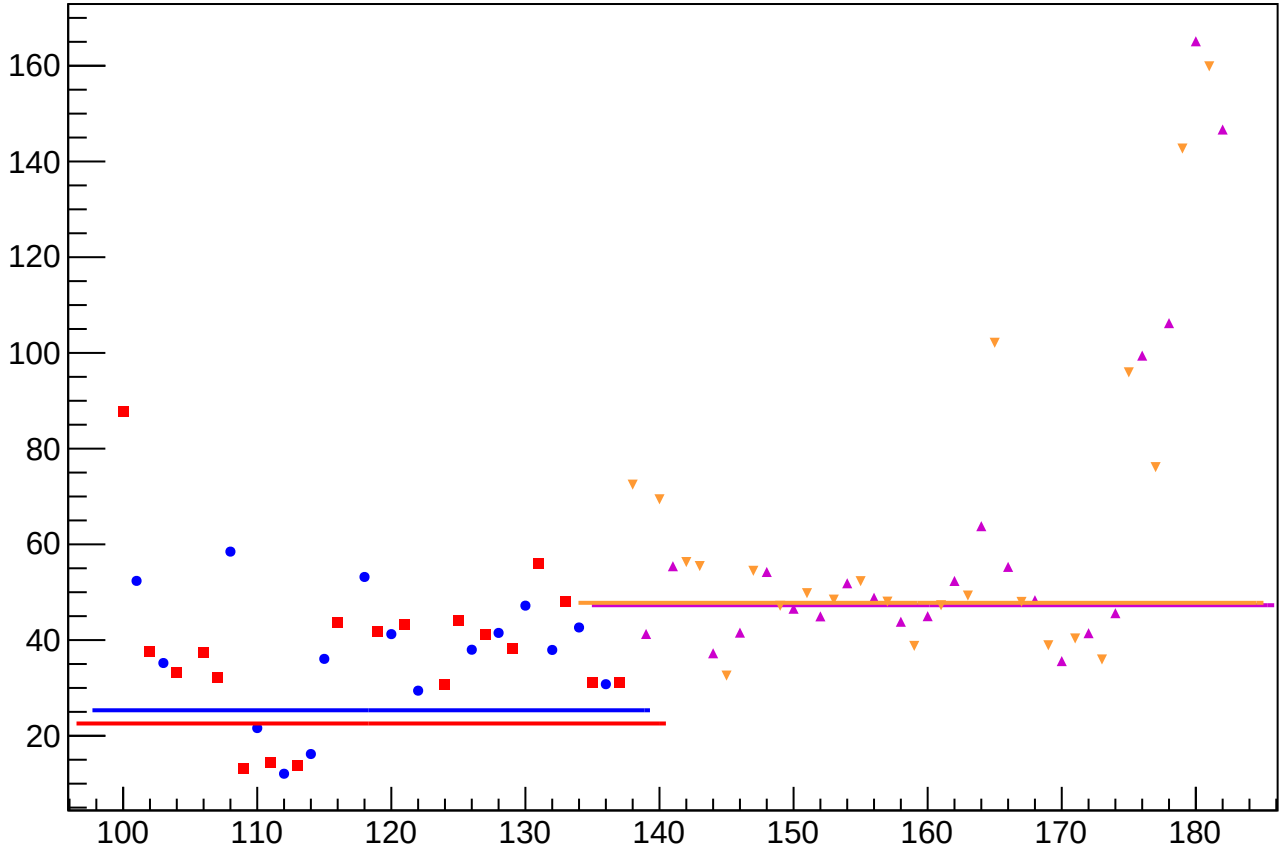
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:44.7/37

Out: -0.010+/-0.008 χ^2/NDF:36.2/41

All: 0.002+/-0.006 χ^2/NDF: 86.2/79

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.787+/-0.009 χ^2/NDF:3462463.3/22

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 47.283+/-0.009 χ^2/NDF:2900538.2/21

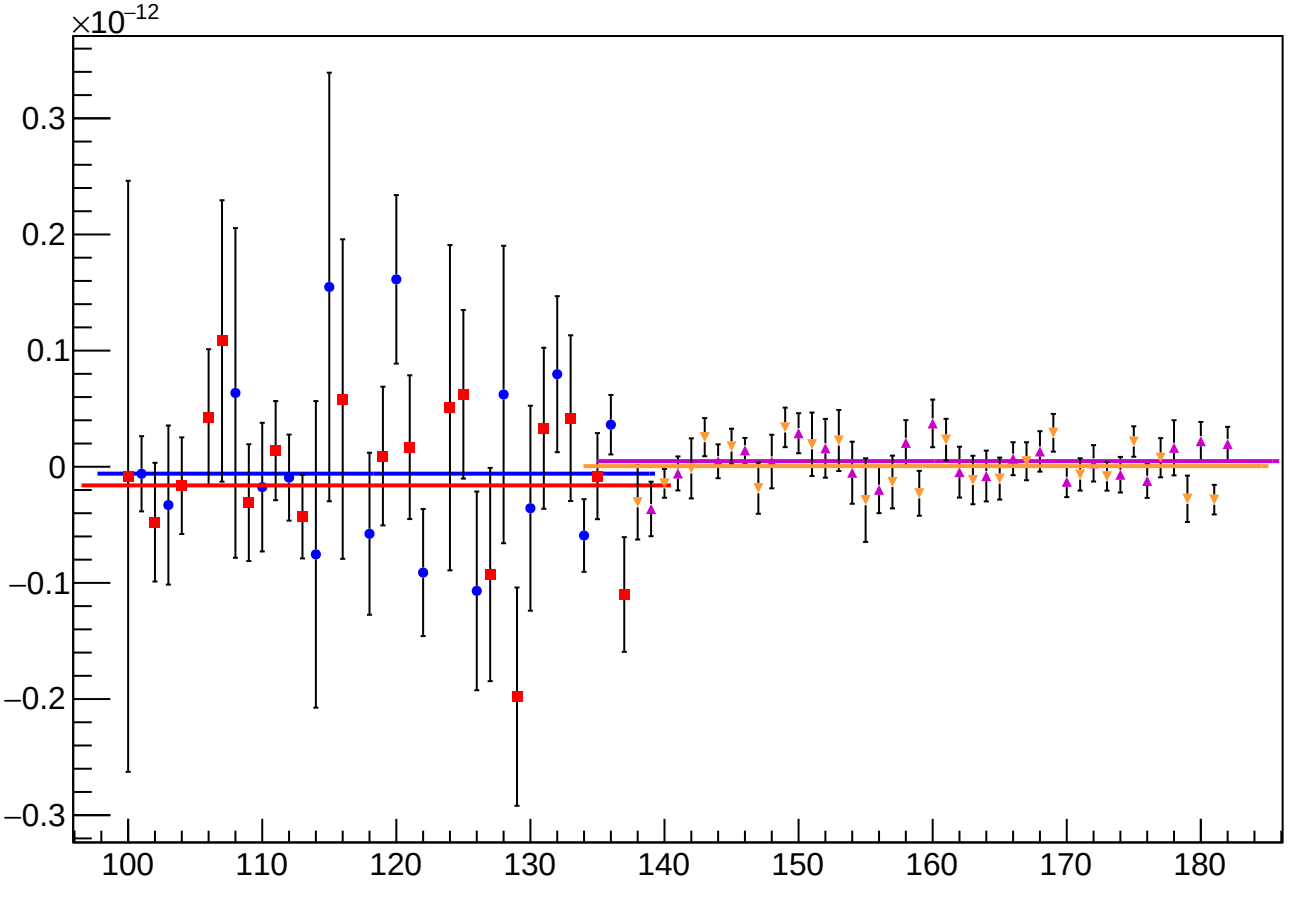
Left: 47.535+/-0.006 χ^2/NDF: 6364750.2/44

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 35.373+/-0.006 χ^2/NDF:9423864.8/37

Out: 32.612+/-0.005 χ^2/NDF:11872927.7/41

All: 33.896+/-0.004 χ^2/NDF: 21419430.8/79



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:18.2/21

Left: 0.000+/-0.000 χ^2/NDF: 49.2/44

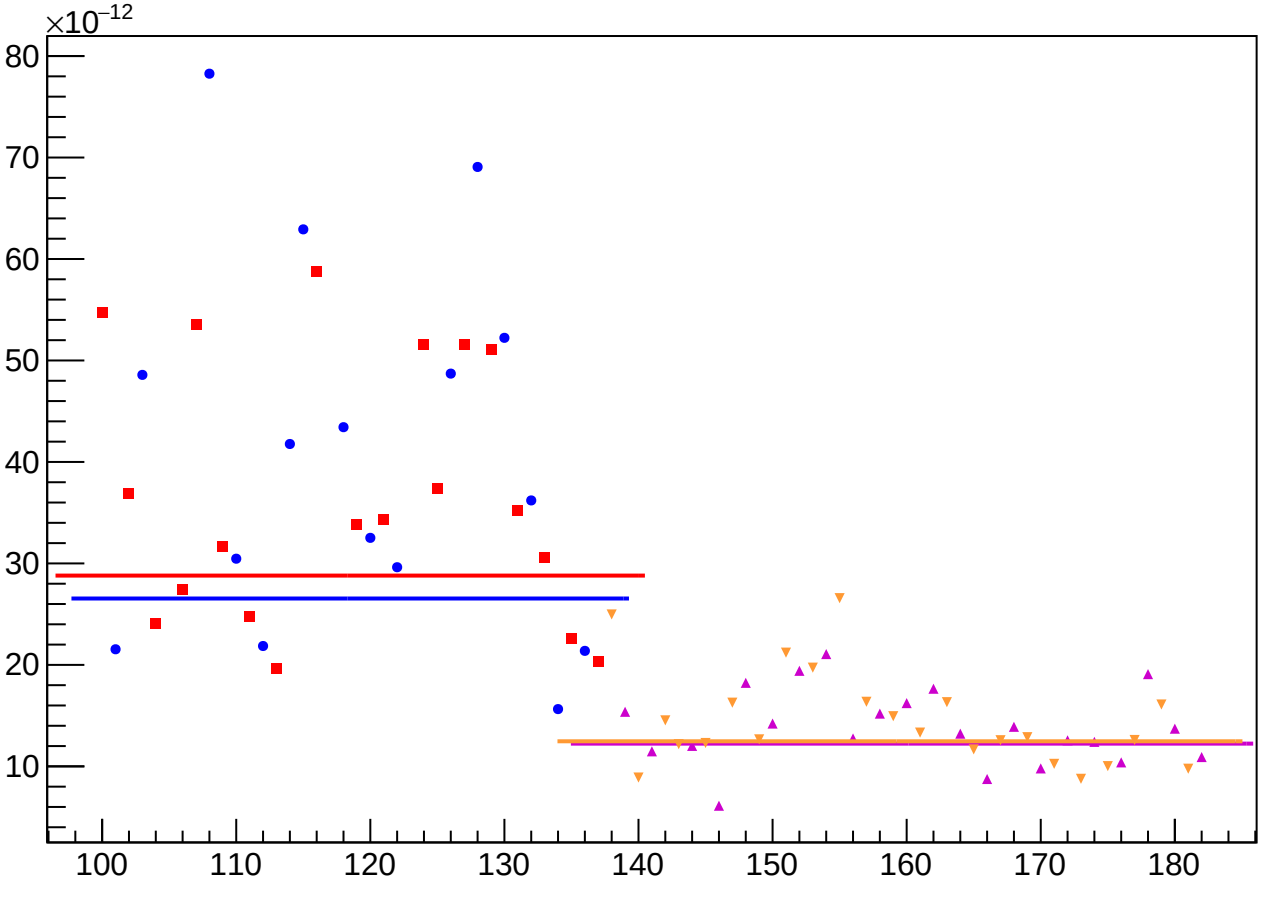
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:37.6/37

Out: -0.000+/-0.000 χ^2/NDF:46.8/41

All: 0.000+/-0.000 χ^2/NDF: 85.3/79

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1831826.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1924342.1/21

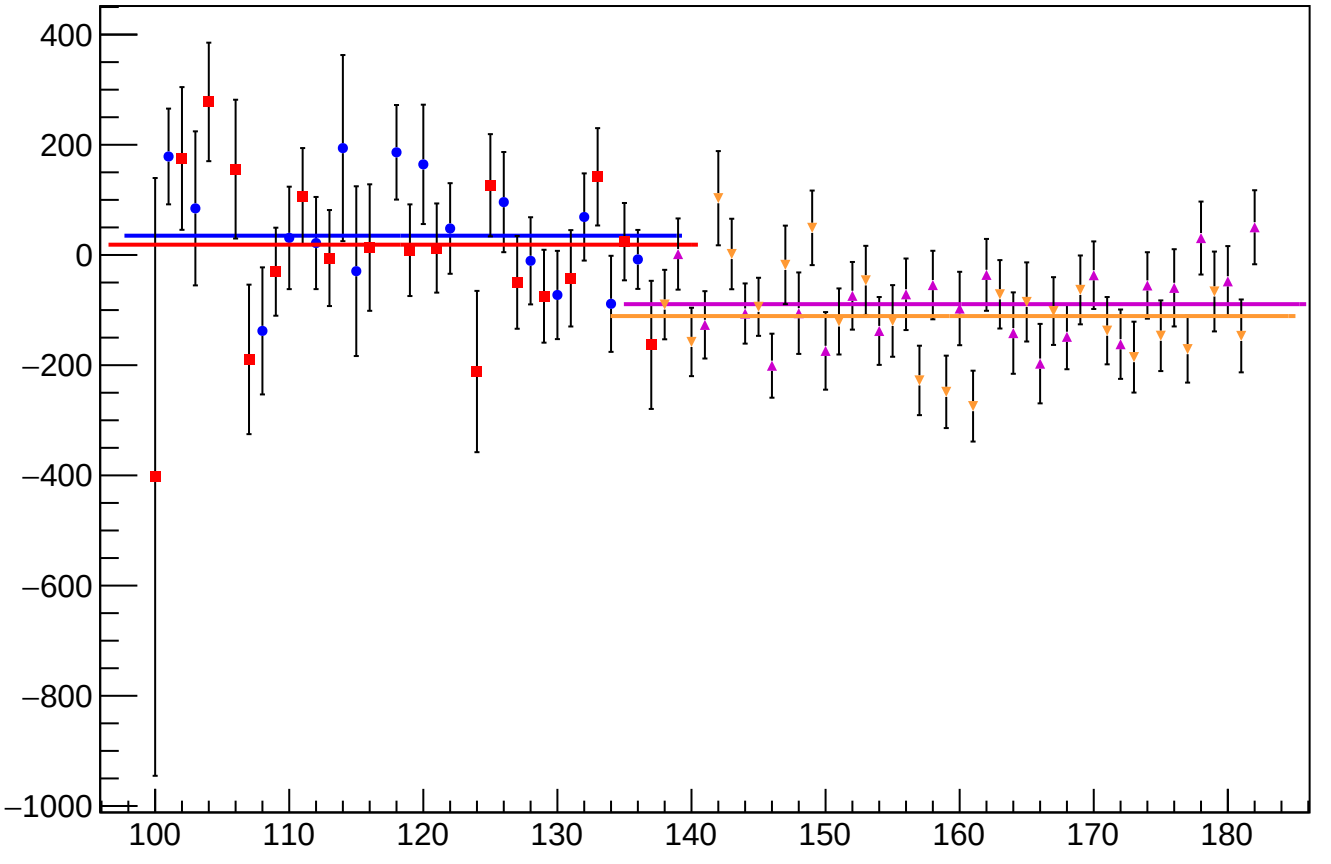
Left: 0.000+/-0.000 χ^2/NDF: 3760221.6/44

Right: 0.000+/-0.000 χ^2/NDF: 2634482.2/34

In: 0.000+/-0.000 χ^2/NDF:5958620.5/37

Out: 0.000+/-0.000 χ^2/NDF:5552348.7/41

All: 0.000+/-0.000 χ^2/NDF: 11517961.4/79



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -110.864+/-13.387 χ^2/NDF:37.5/22

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -89.253+/-13.654 χ^2/NDF:23.7/21

Left: -100.271+/-9.559 χ^2/NDF: 62.5/44

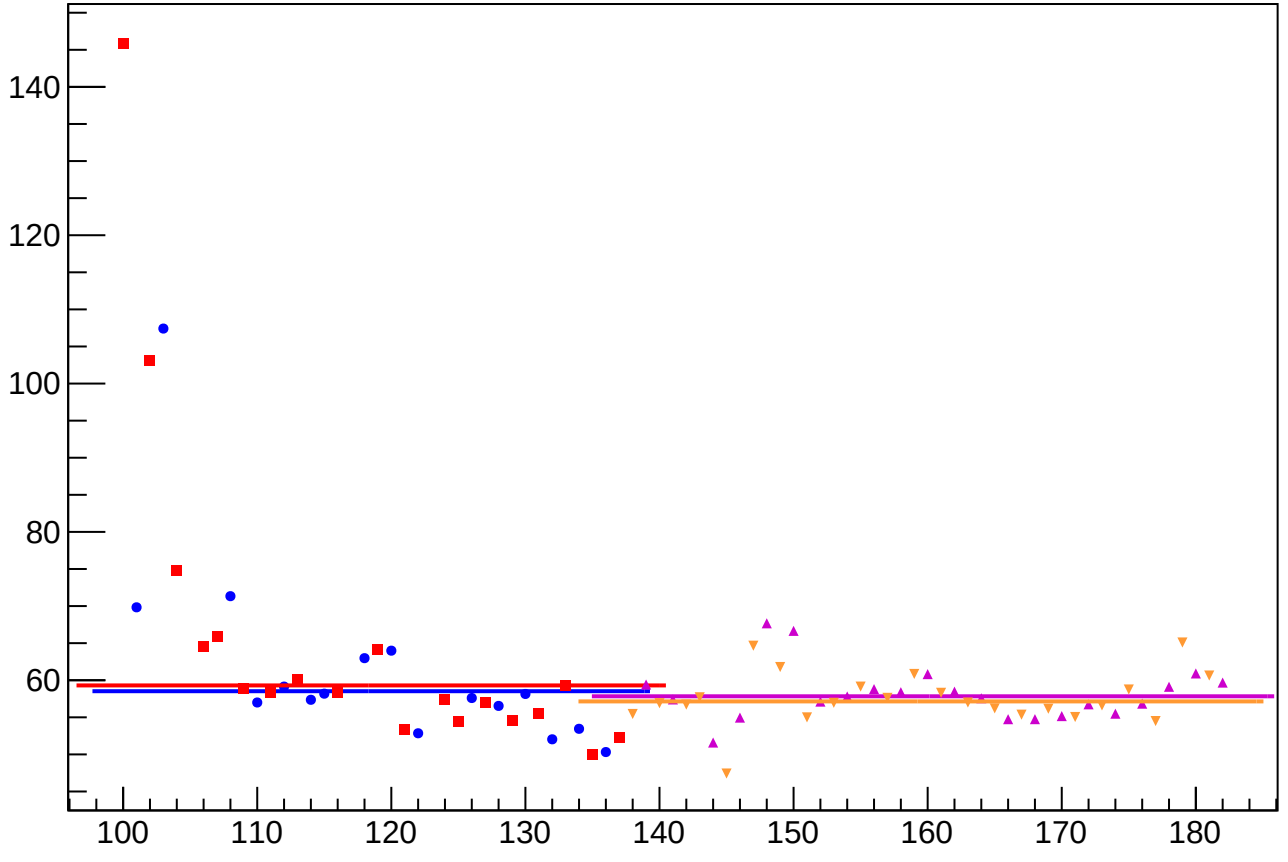
Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -55.000+/-11.621 χ^2/NDF:62.8/37

Out: -76.171+/-11.456 χ^2/NDF:86.0/41

All: -65.737+/-8.158 χ^2/NDF: 150.5/79

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 57.147+/-0.009 χ^2/NDF:152676.1/22

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.836+/-0.010 χ^2/NDF:128073.2/21

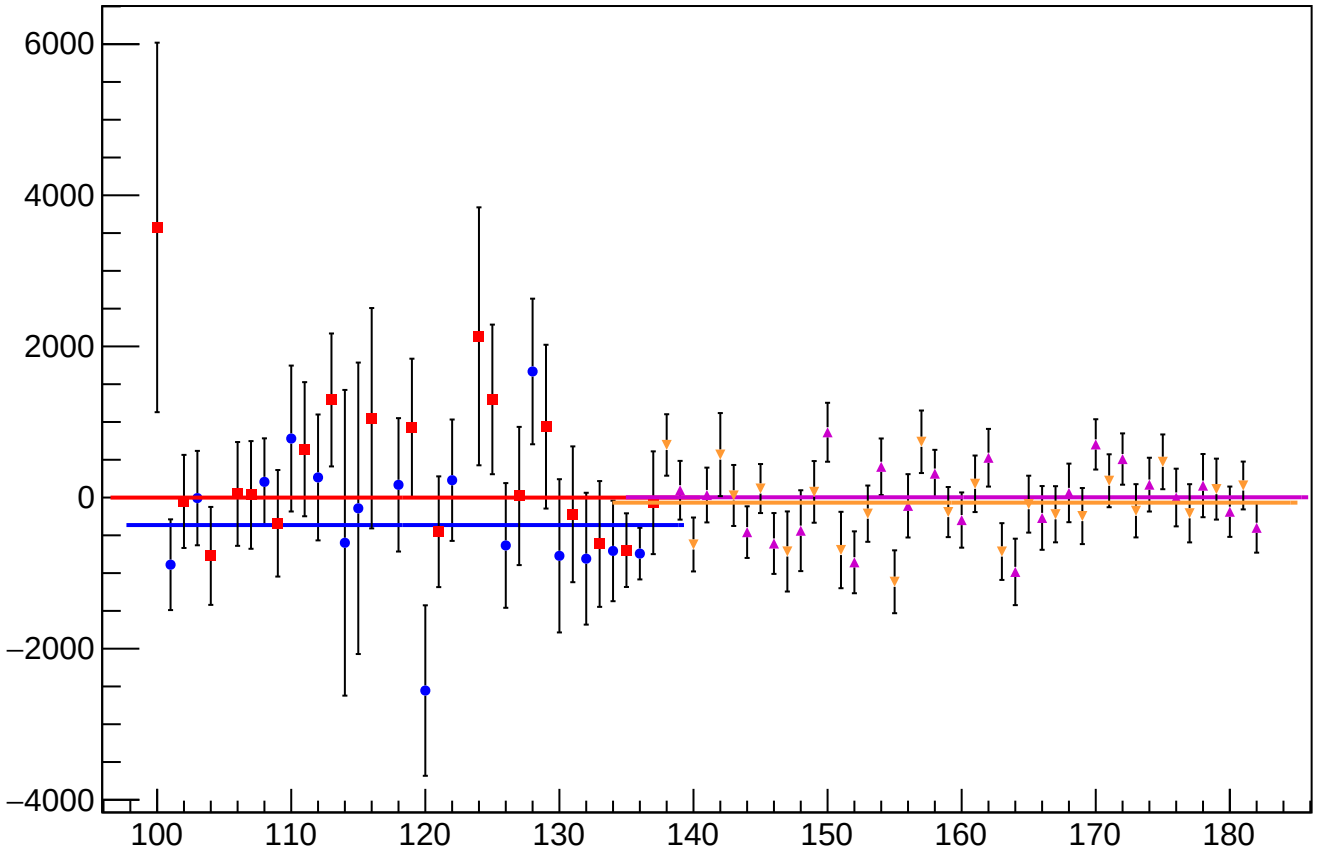
Left: 57.485+/-0.007 χ^2/NDF: 283349.9/44

Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.025+/-0.008 χ^2/NDF:522205.5/37

Out: 57.724+/-0.008 χ^2/NDF:573162.1/41

All: 57.872+/-0.006 χ^2/NDF: 1096050.3/79



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -67.582+/-79.876 χ^2/NDF:28.9/22

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: 3.624+/-80.035 χ^2/NDF:33.2/21

Left: -32.050+/-56.537 χ^2/NDF: 62.5/44

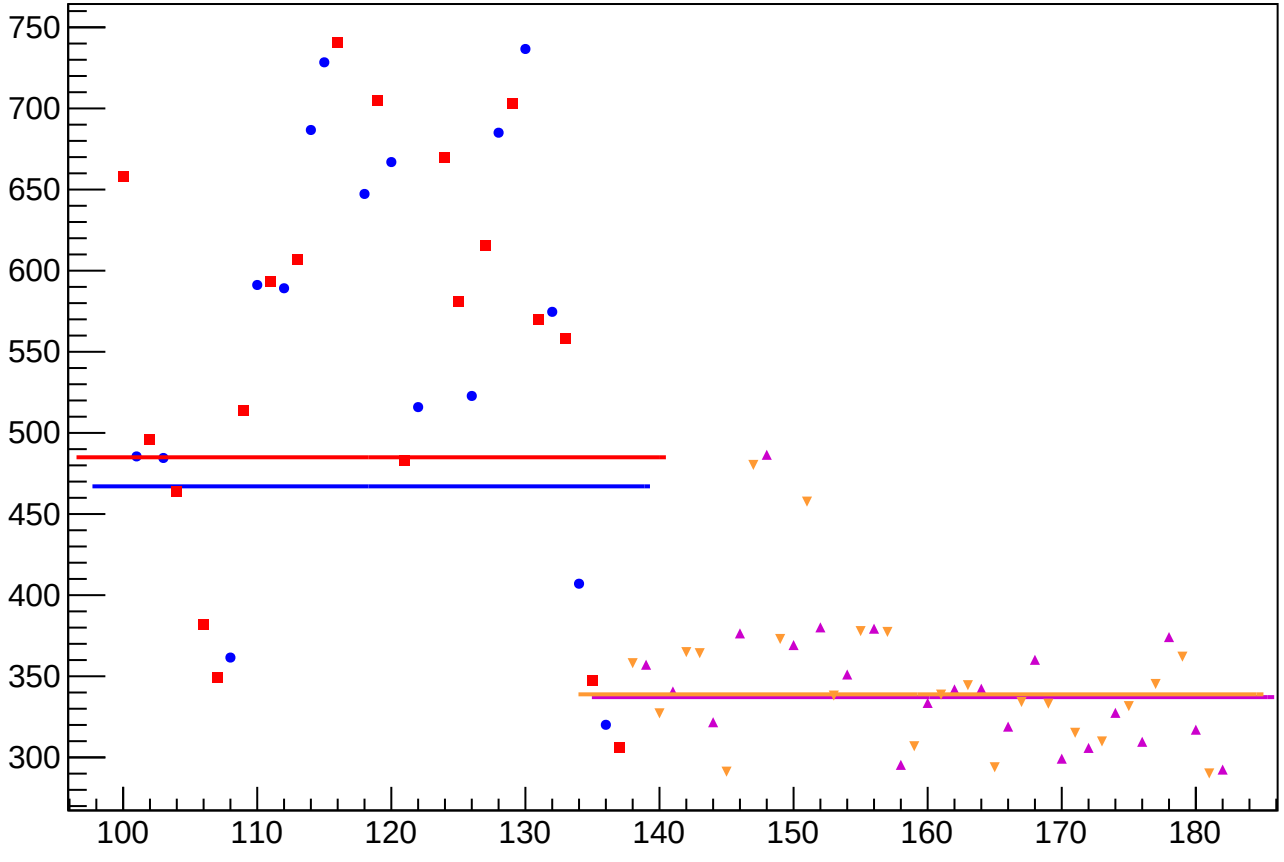
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -56.735+/-73.172 χ^2/NDF:51.9/37

Out: -56.866+/-73.212 χ^2/NDF:44.1/41

All: -56.801+/-51.754 χ^2/NDF: 96.0/79

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: 338.869+/-0.056 χ^2/NDF:490288.4/22

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 337.153+/-0.057 χ^2/NDF:404423.8/21

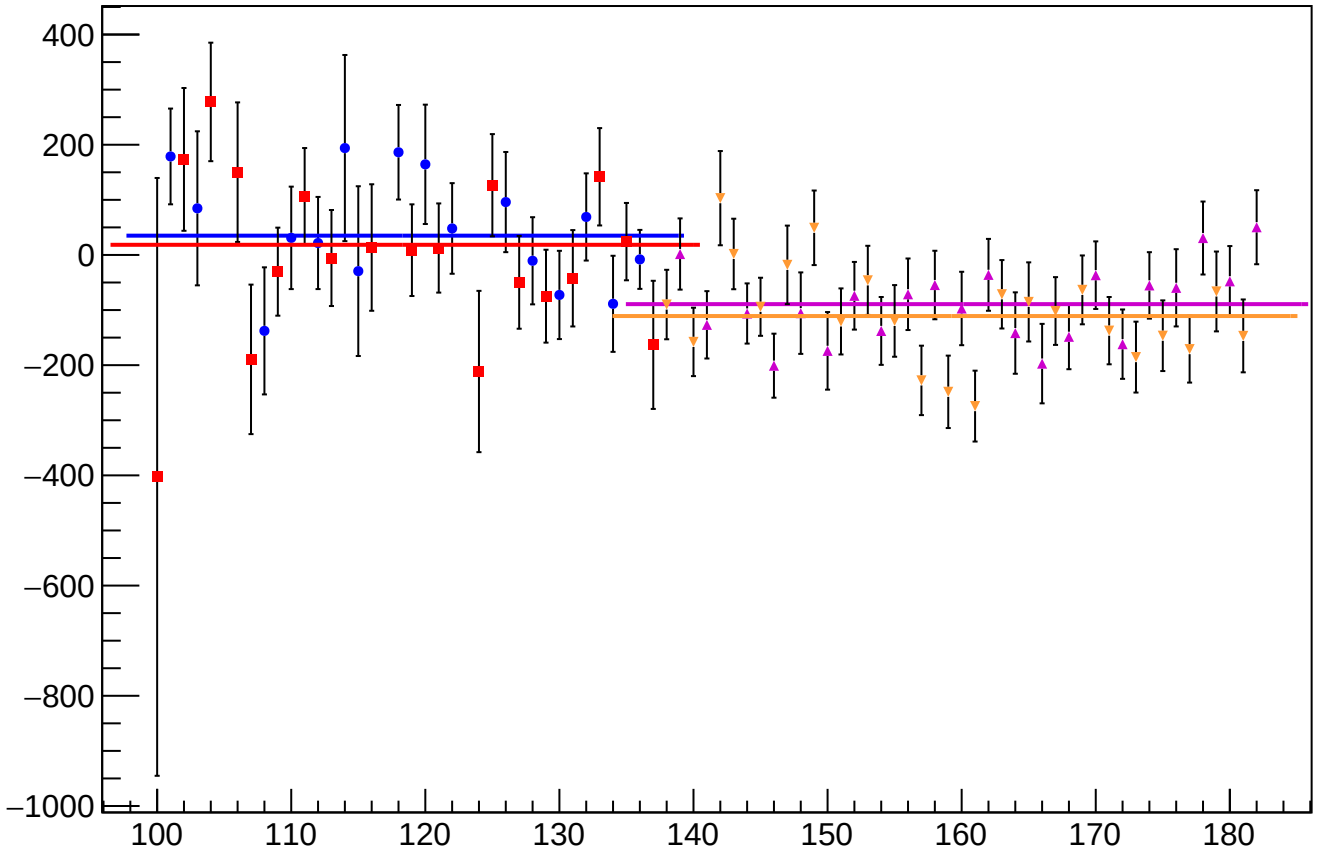
Left: 338.013+/-0.040 χ^2/NDF: 895172.9/44

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 358.479+/-0.052 χ^2/NDF:2299745.5/37

Out: 362.233+/-0.052 χ^2/NDF:2434504.2/41

All: 360.355+/-0.037 χ^2/NDF: 4736879.8/79



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -110.864+/-13.387 χ^2/NDF:37.5/22

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -89.255+/-13.654 χ^2/NDF:23.7/21

Left: -100.272+/-9.559 χ^2/NDF: 62.5/44

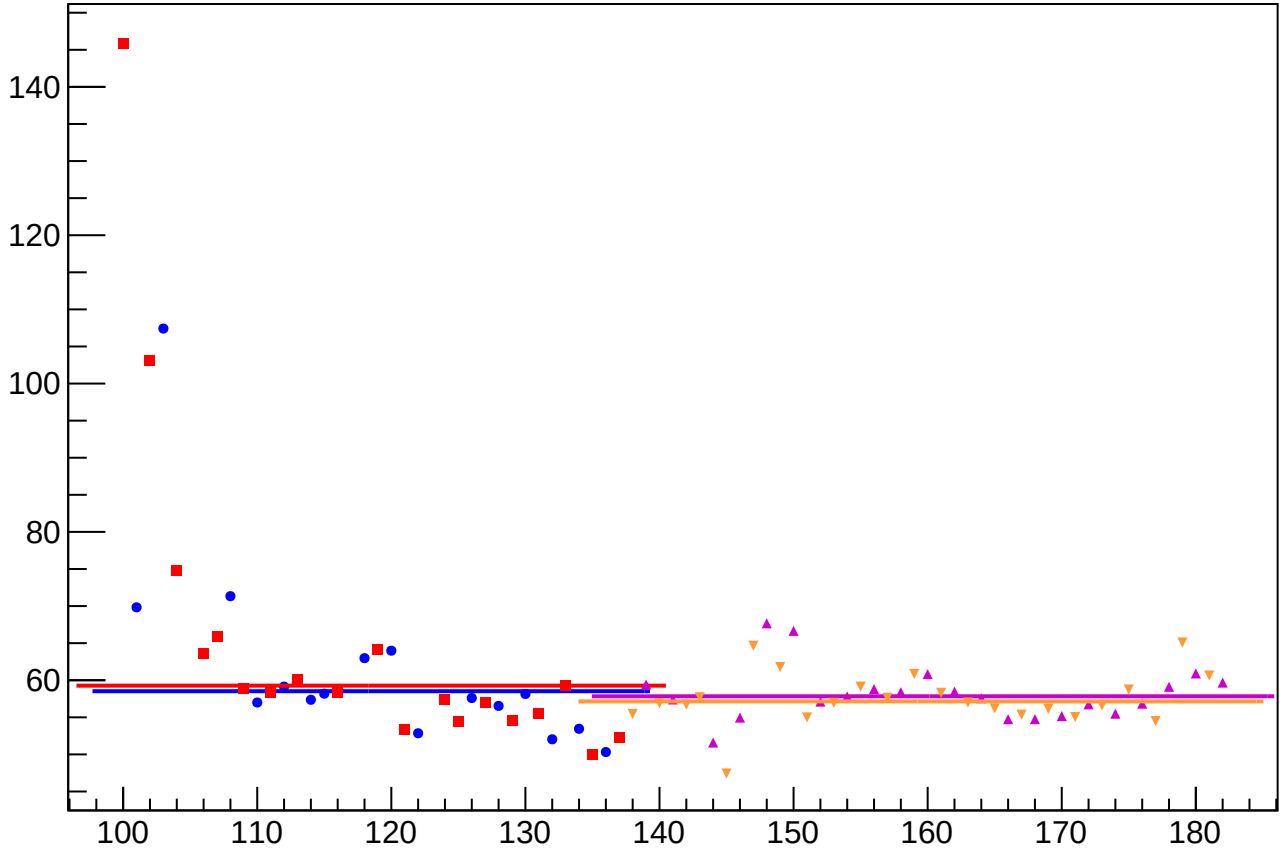
Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -55.001+/-11.621 χ^2/NDF:62.8/37

Out: -76.253+/-11.456 χ^2/NDF:85.8/41

All: -65.779+/-8.158 χ^2/NDF: 150.2/79

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: 57.147+/-0.009 χ^2/NDF:152676.1/22

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.836+/-0.010 χ^2/NDF:128073.2/21

Left: 57.485+/-0.007 χ^2/NDF: 283350.0/44

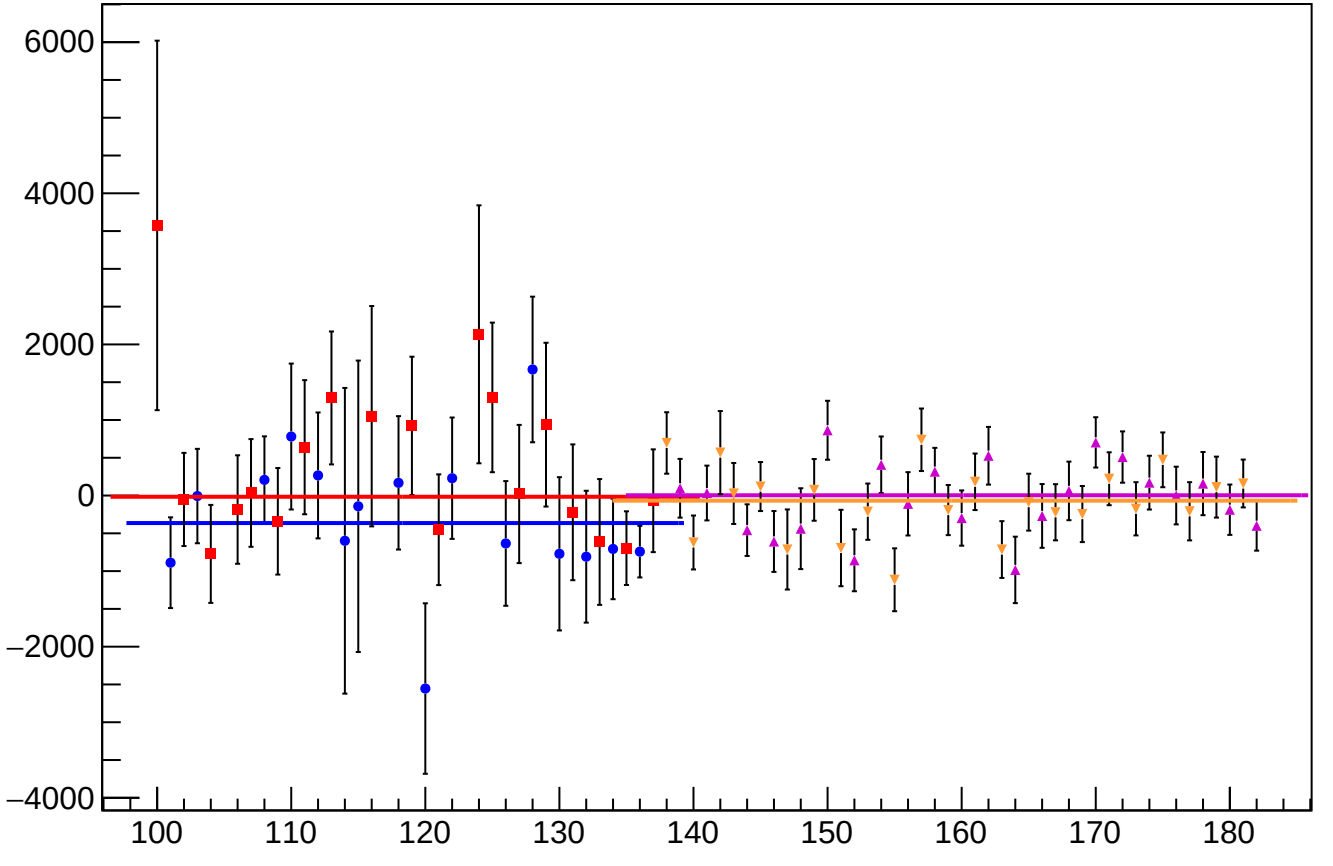
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.025+/-0.008 χ^2/NDF:522207.6/37

Out: 57.715+/-0.008 χ^2/NDF:571756.4/41

All: 57.868+/-0.006 χ^2/NDF: 1094686.6/79

asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -67.584+/-79.876 χ^2/NDF:28.9/22

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 3.623+/-80.035 χ^2/NDF:33.2/21

Left: -32.052+/-56.537 χ^2/NDF: 62.5/44

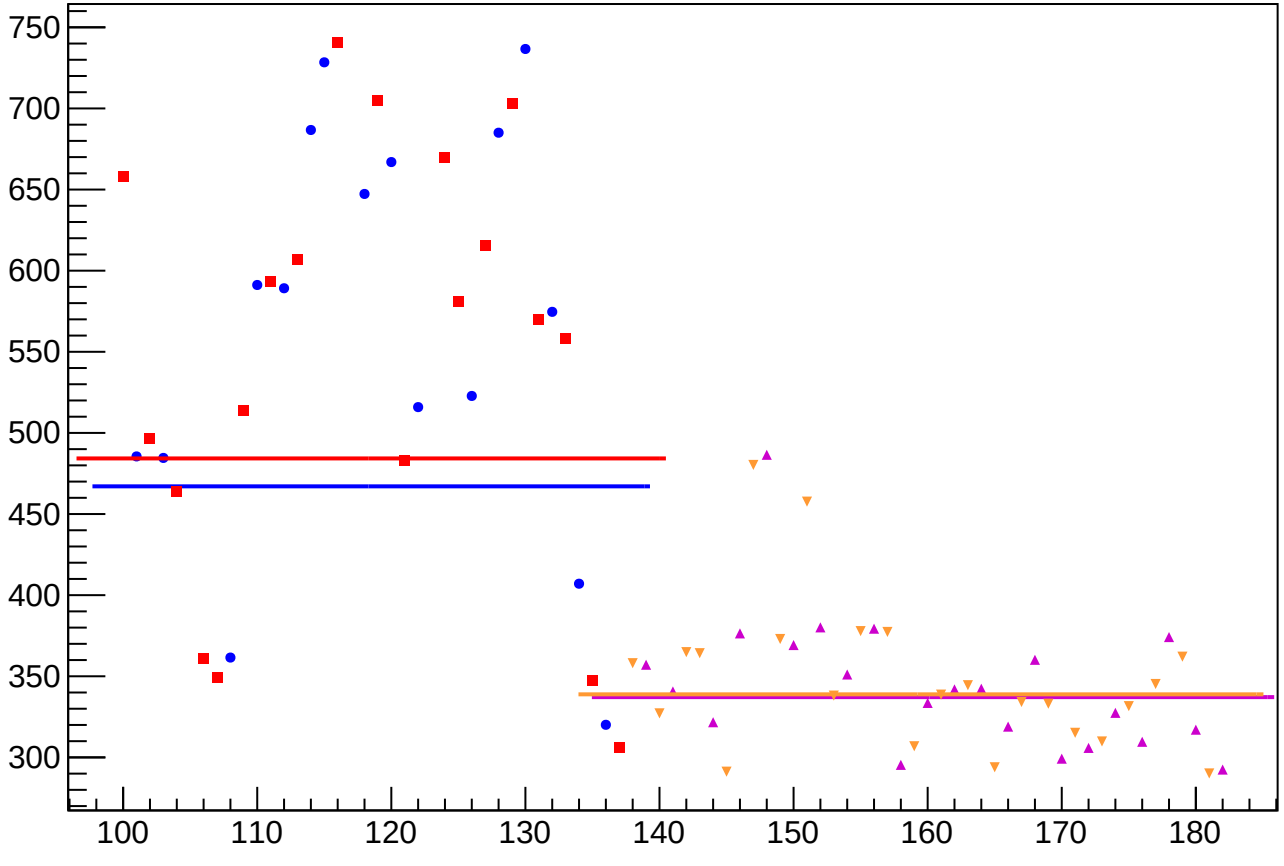
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -56.730+/-73.172 χ^2/NDF:51.9/37

Out: -59.392+/-73.248 χ^2/NDF:44.1/41

All: -58.060+/-51.767 χ^2/NDF: 96.0/79

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: 338.869+/-0.056 χ^2/NDF:490289.3/22

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 337.153+/-0.057 χ^2/NDF:404426.4/21

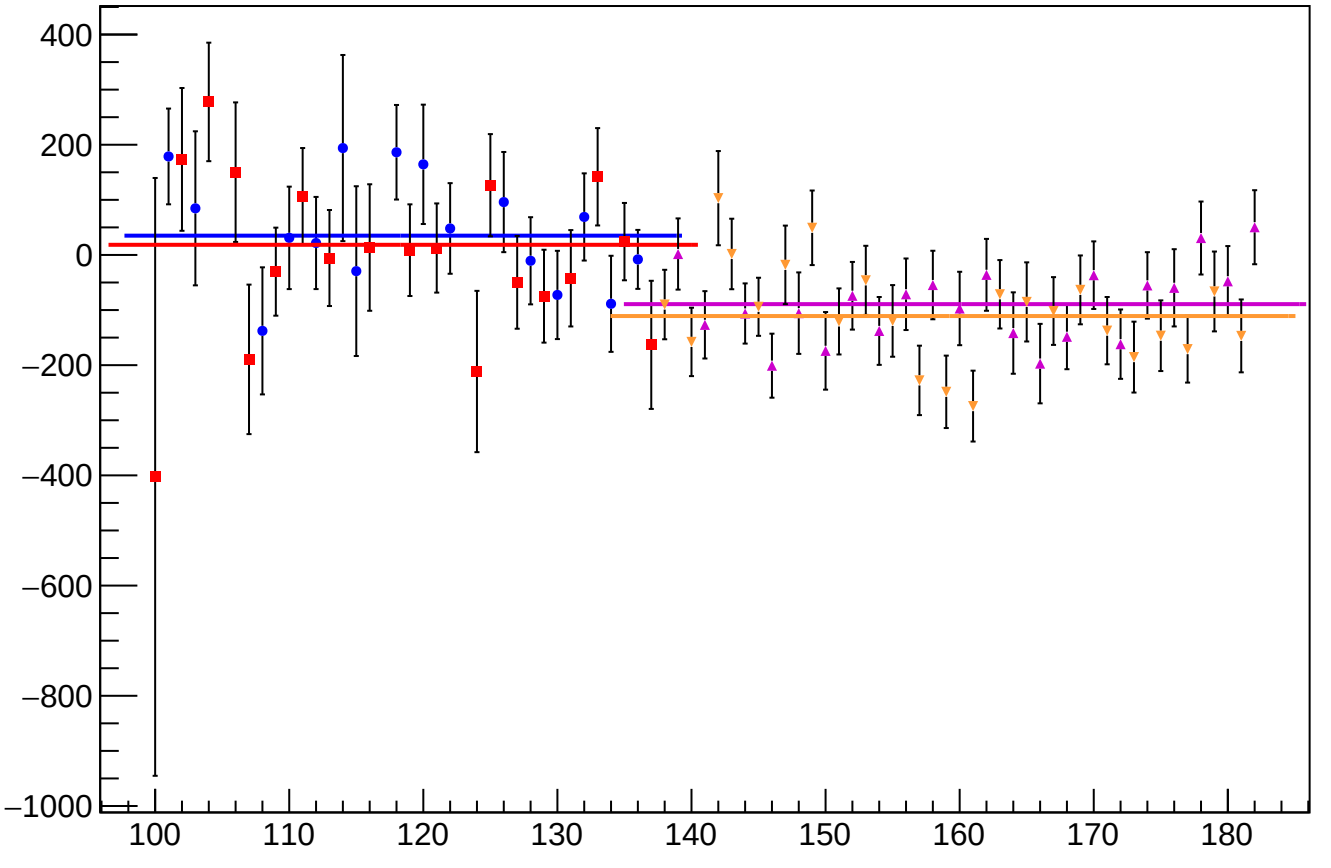
Left: 338.013+/-0.040 χ^2/NDF: 895176.4/44

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 358.479+/-0.052 χ^2/NDF:2299776.6/37

Out: 361.999+/-0.052 χ^2/NDF:2433377.4/41

All: 360.237+/-0.037 χ^2/NDF: 4735465.8/79



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -110.864+/-13.387 χ^2/NDF:37.5/22

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -89.255+/-13.654 χ^2/NDF:23.7/21

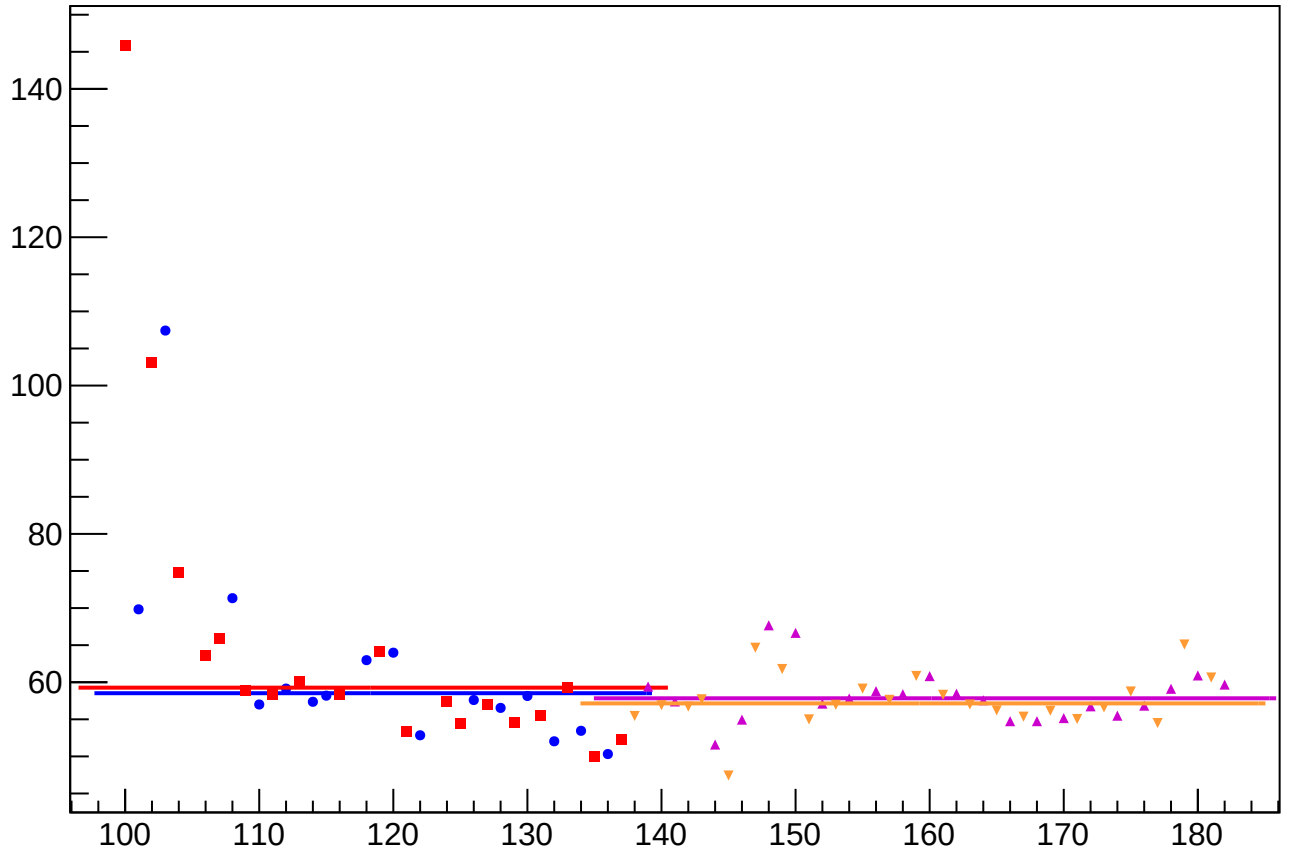
Left: -100.272+/-9.559 χ^2/NDF: 62.5/44

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -55.001+/-11.621 χ^2/NDF:62.8/37

Out: -76.253+/-11.456 χ^2/NDF:85.8/41

All: -65.779+/-8.158 χ^2/NDF: 150.2/79



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.147+/-0.009 χ^2/NDF:152676.1/22

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.836+/-0.010 χ^2/NDF:128073.2/21

Left: 57.485+/-0.007 χ^2/NDF: 283350.0/44

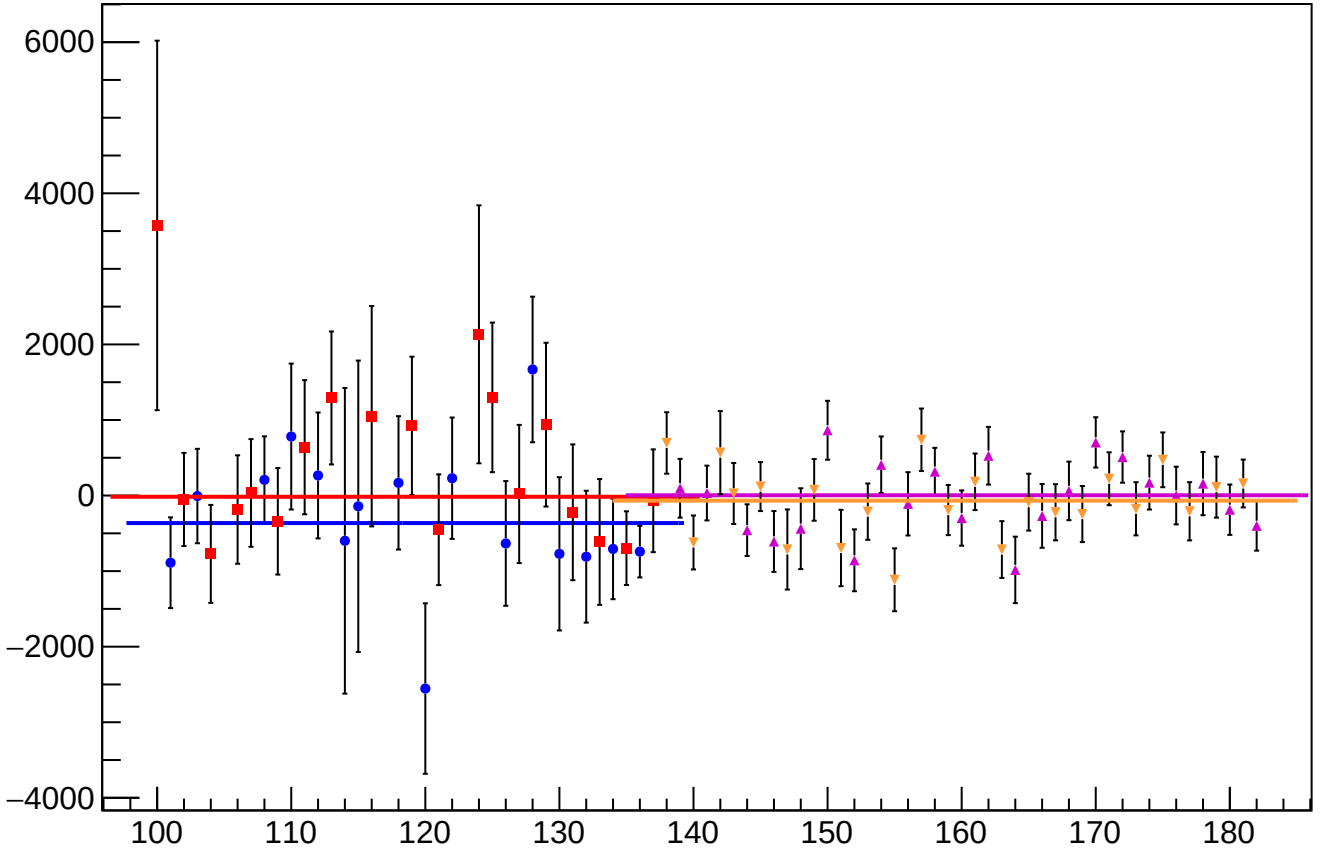
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.025+/-0.008 χ^2/NDF:522207.6/37

Out: 57.715+/-0.008 χ^2/NDF:571756.4/41

All: 57.868+/-0.006 χ^2/NDF: 1094686.6/79

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: -67.584+/-79.876 χ^2/NDF:28.9/22

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 3.623+/-80.035 χ^2/NDF:33.2/21

Left: -32.052+/-56.537 χ^2/NDF: 62.5/44

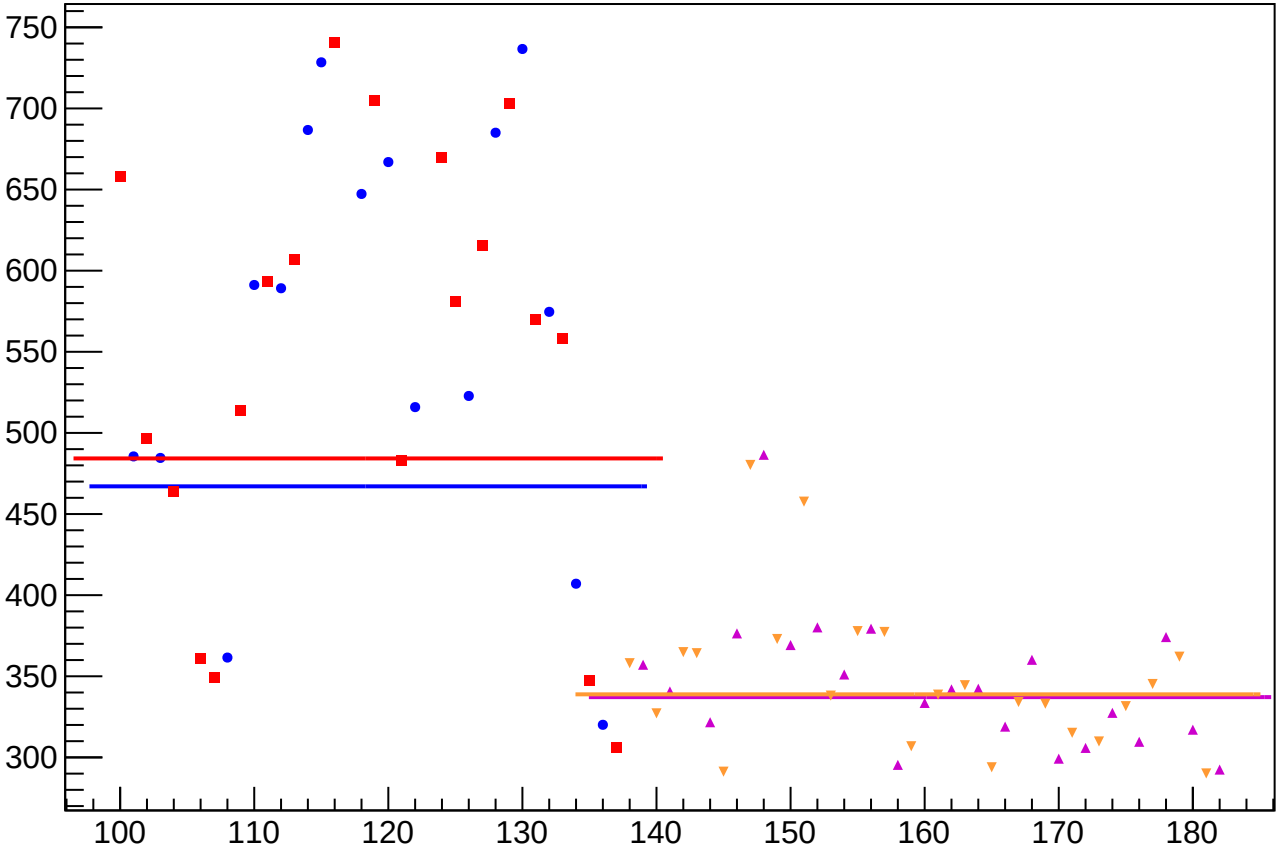
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -56.730+/-73.172 χ^2/NDF:51.9/37

Out: -59.392+/-73.248 χ^2/NDF:44.1/41

All: -58.060+/-51.767 χ^2/NDF: 96.0/79

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: 338.869+/-0.056 χ^2/NDF:490289.3/22

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 337.153+/-0.057 χ^2/NDF:404426.4/21

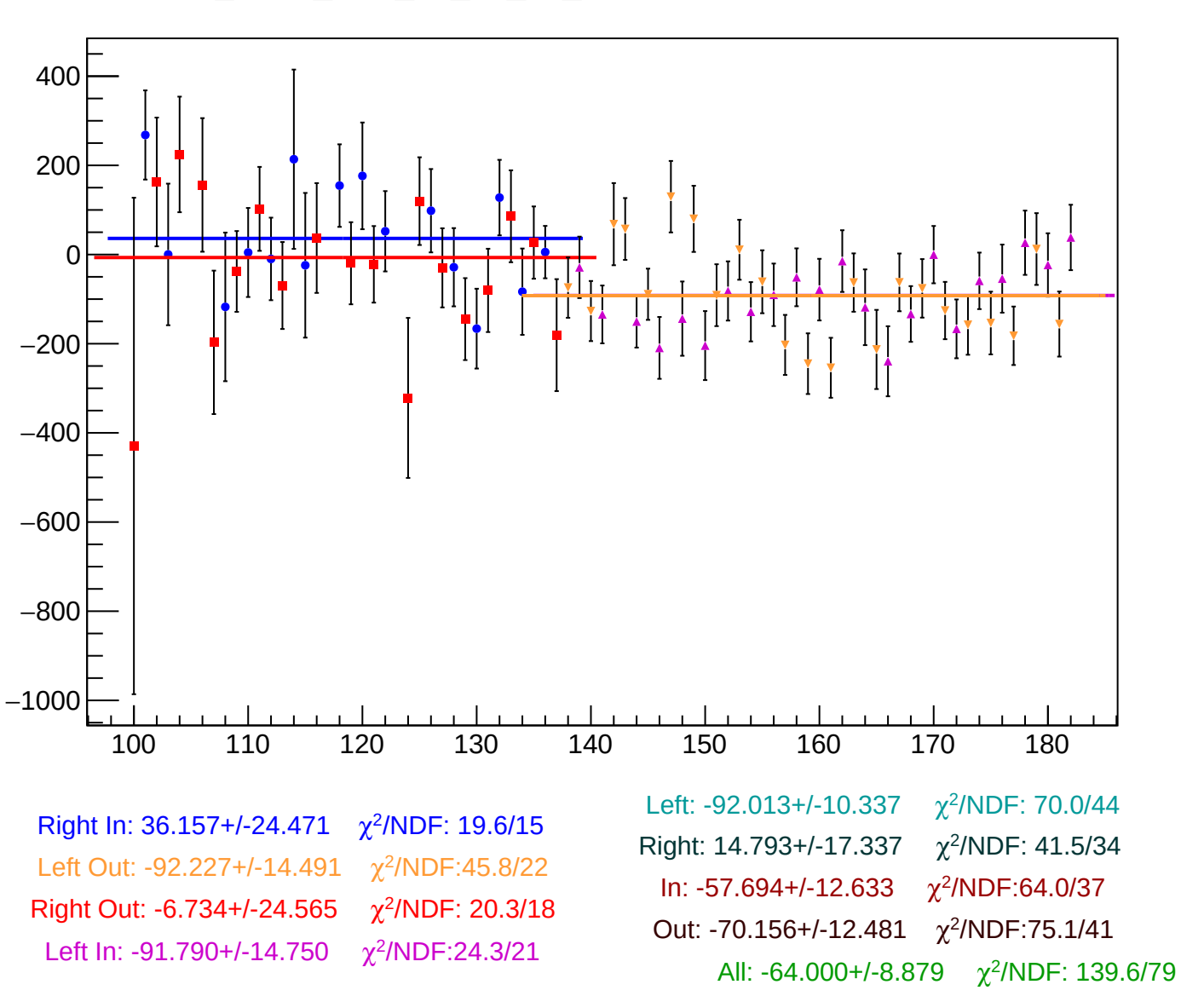
Left: 338.013+/-0.040 χ^2/NDF: 895176.4/44

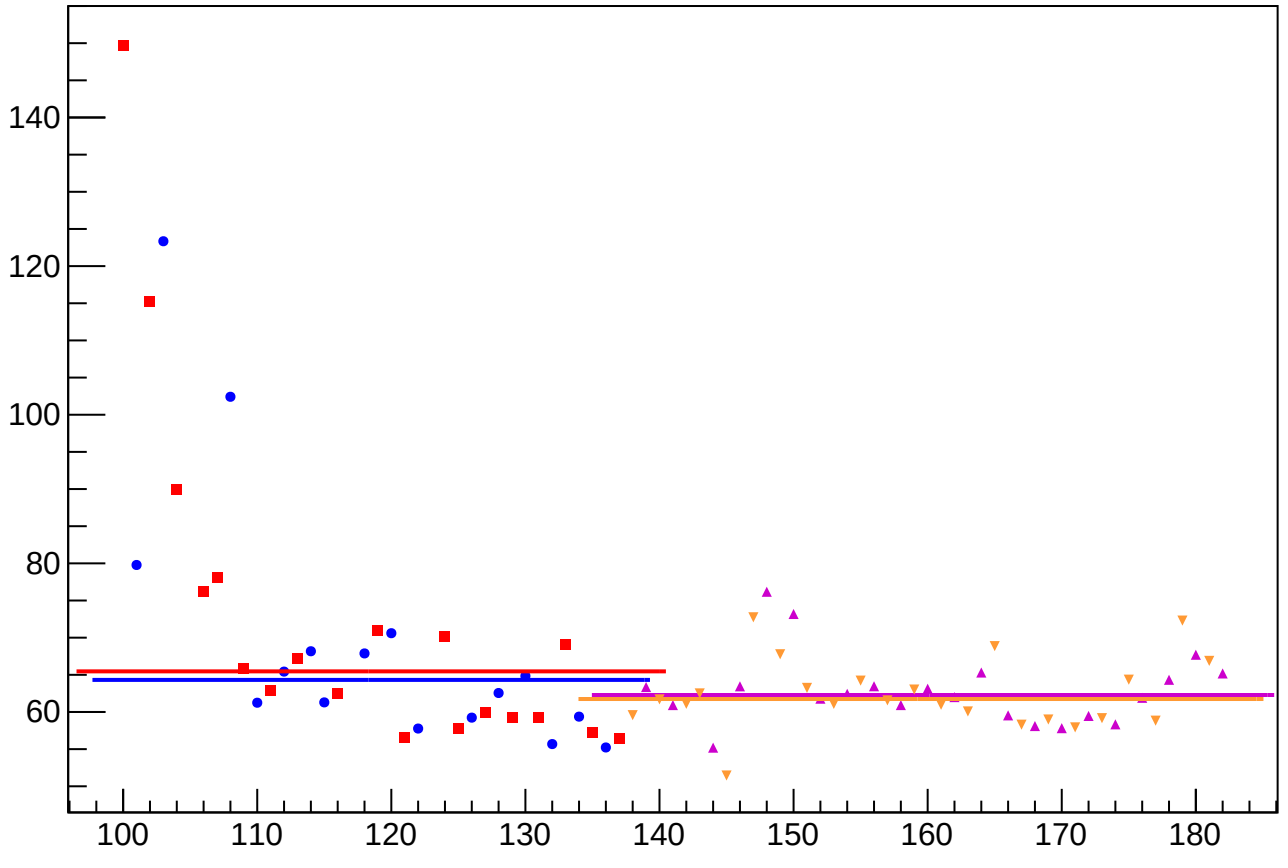
Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 358.479+/-0.052 χ^2/NDF:2299776.6/37

Out: 361.999+/-0.052 χ^2/NDF:2433377.4/41

All: 360.237+/-0.037 χ^2/NDF: 4735465.8/79


dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
180
Right In: 36.157+/-24.471 χ²/NDF: 19.6/15
Left Out: -92.227+/-14.491 χ²/NDF:45.8/22
Right Out: -6.734+/-24.565 χ²/NDF: 20.3/18
Left In: -91.790+/-14.750 χ²/NDF:24.3/21
Left: -92.013+/-10.337 χ²/NDF: 70.0/44
Right: 14.793+/-17.337 χ²/NDF: 41.5/34
In: -57.694+/-12.633 χ²/NDF:64.0/37
Out: -70.156+/-12.481 χ²/NDF:75.1/41
All: -64.000+/-8.879 χ²/NDF: 139.6/79



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.746+/-0.010 χ^2/NDF:206296.0/22

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.285+/-0.010 χ^2/NDF:179935.8/21

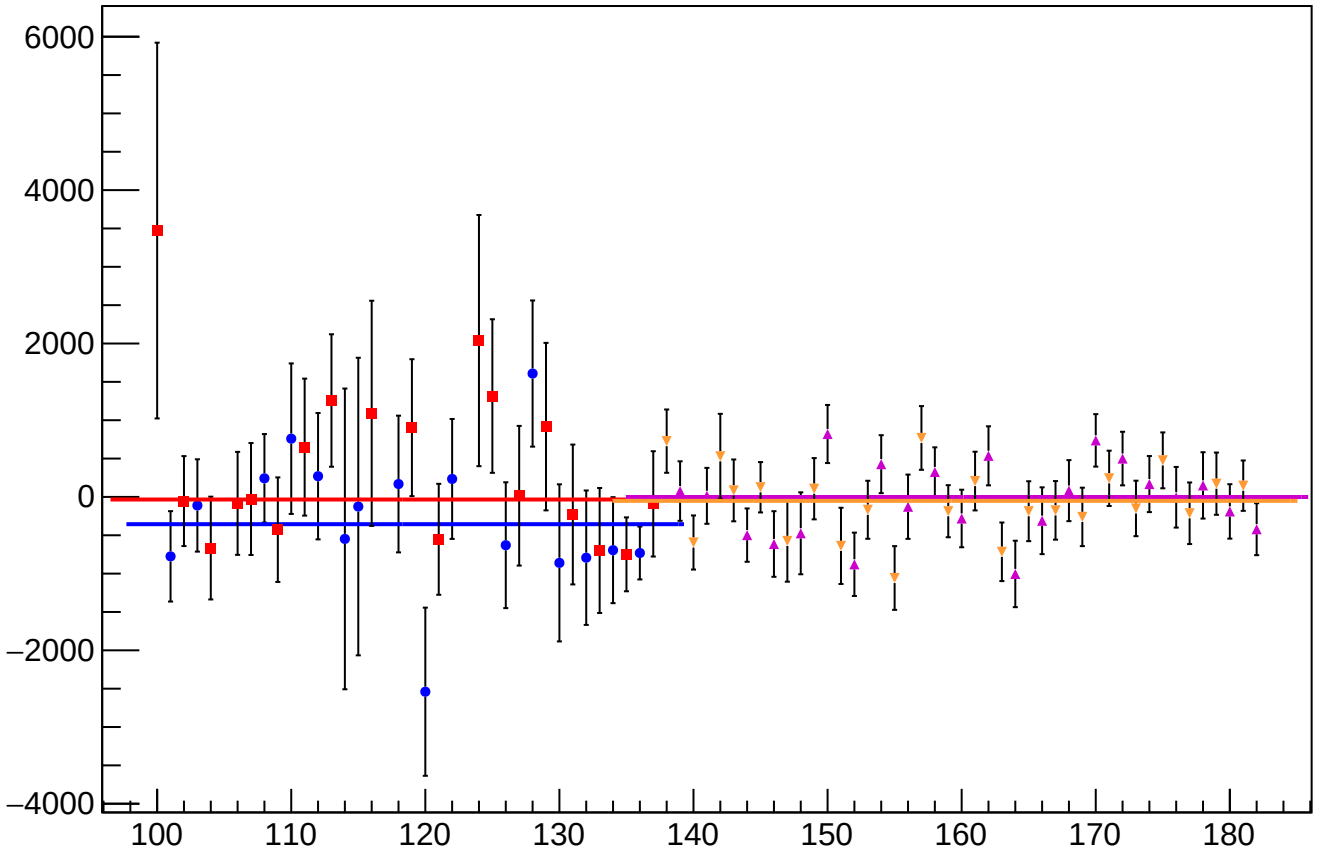
Left: 62.010+/-0.007 χ^2/NDF: 387590.9/44

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.826+/-0.009 χ^2/NDF:722113.3/37

Out: 62.706+/-0.009 χ^2/NDF:722691.8/41

All: 62.765+/-0.006 χ^2/NDF: 1444896.4/79



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -51.340+/-81.078 χ^2/NDF:27.6/22

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -1.093+/-81.639 χ^2/NDF:33.8/21

Left: -26.389+/-57.528 χ^2/NDF: 61.7/44

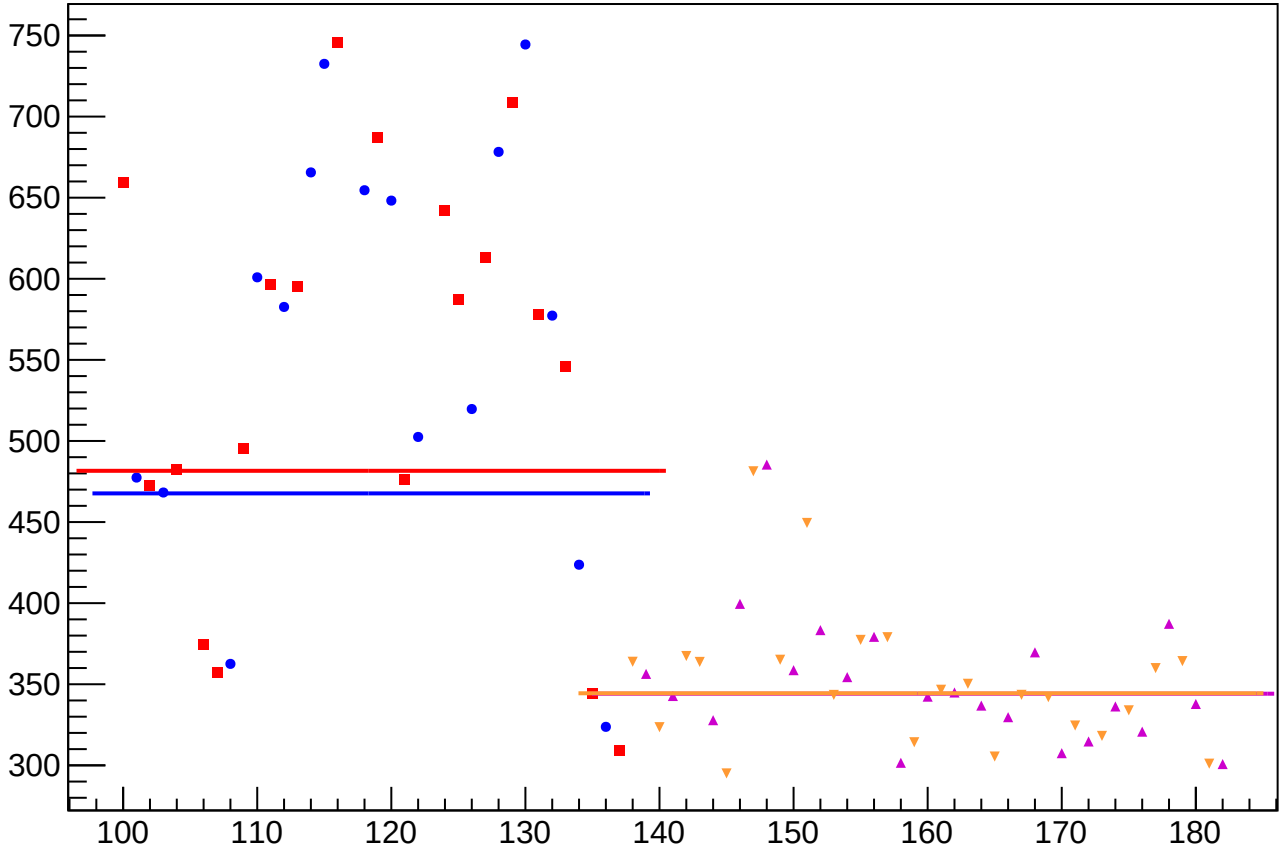
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -61.378+/-74.373 χ^2/NDF:51.8/37

Out: -48.421+/-74.031 χ^2/NDF:43.0/41

All: -54.870+/-52.468 χ^2/NDF: 94.9/79

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 344.434+/-0.057 χ^2/NDF:415973.2/22

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 344.171+/-0.058 χ^2/NDF:360967.8/21

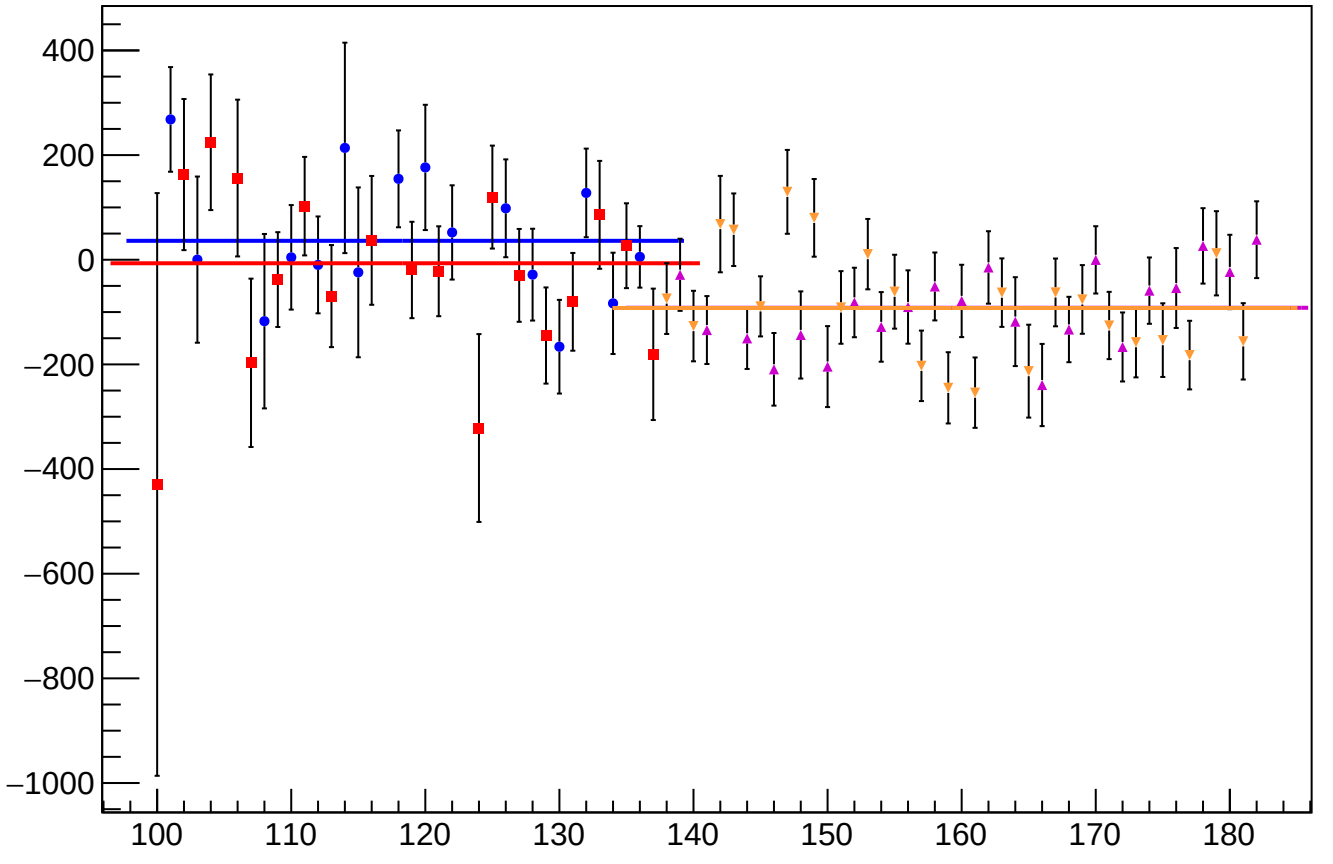
Left: 344.303+/-0.041 χ^2/NDF: 776951.5/44

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 365.178+/-0.053 χ^2/NDF:2125415.3/37

Out: 367.239+/-0.052 χ^2/NDF:2221971.2/41

All: 366.213+/-0.037 χ^2/NDF: 4348158.4/79



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -92.227+/-14.491 χ^2/NDF:45.8/22

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -91.790+/-14.750 χ^2/NDF:24.3/21

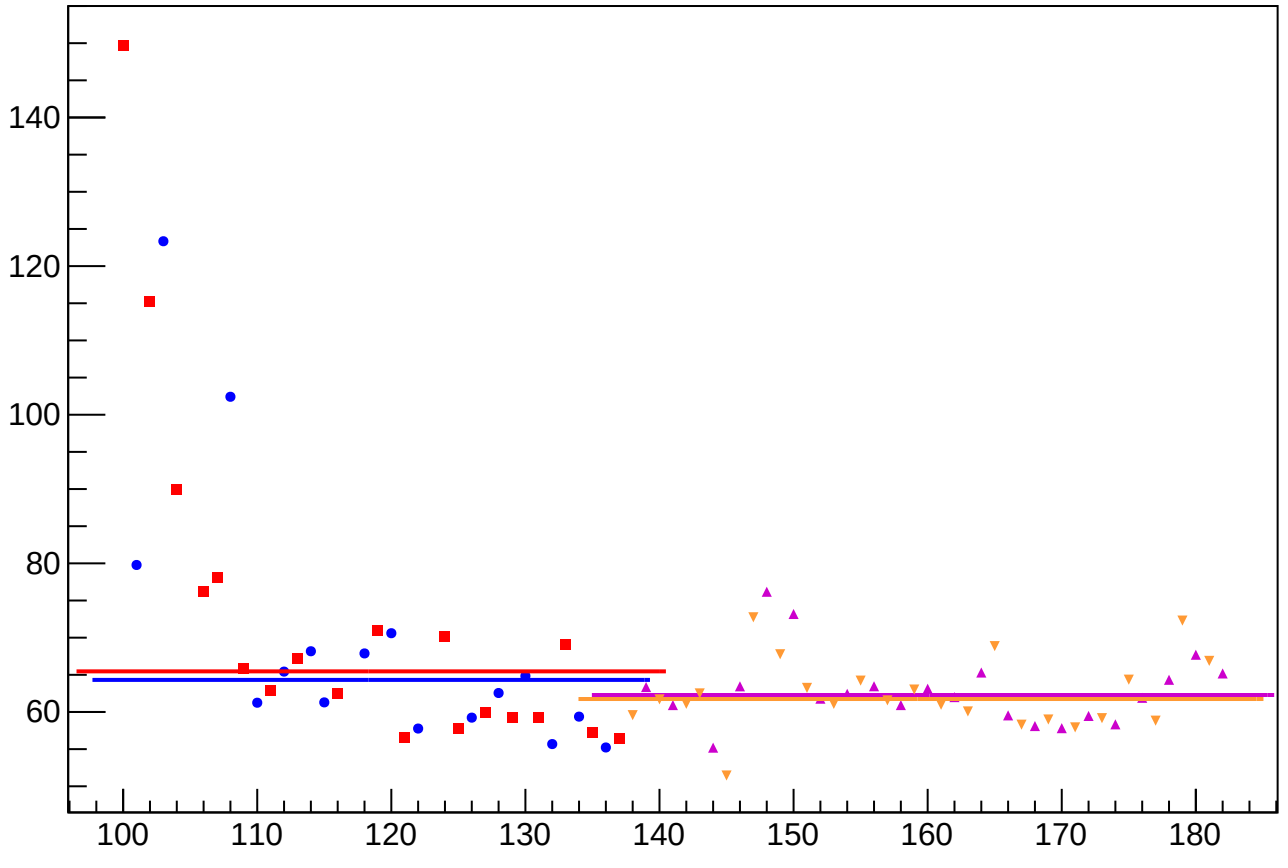
Left: -92.012+/-10.337 χ^2/NDF: 70.0/44

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -57.693+/-12.633 χ^2/NDF:64.0/37

Out: -70.156+/-12.481 χ^2/NDF:75.1/41

All: -64.000+/-8.879 χ^2/NDF: 139.6/79



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.746+/-0.010 χ^2/NDF:206300.4/22

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.285+/-0.010 χ^2/NDF:179939.0/21

Left: 62.010+/-0.007 χ^2/NDF: 387598.7/44

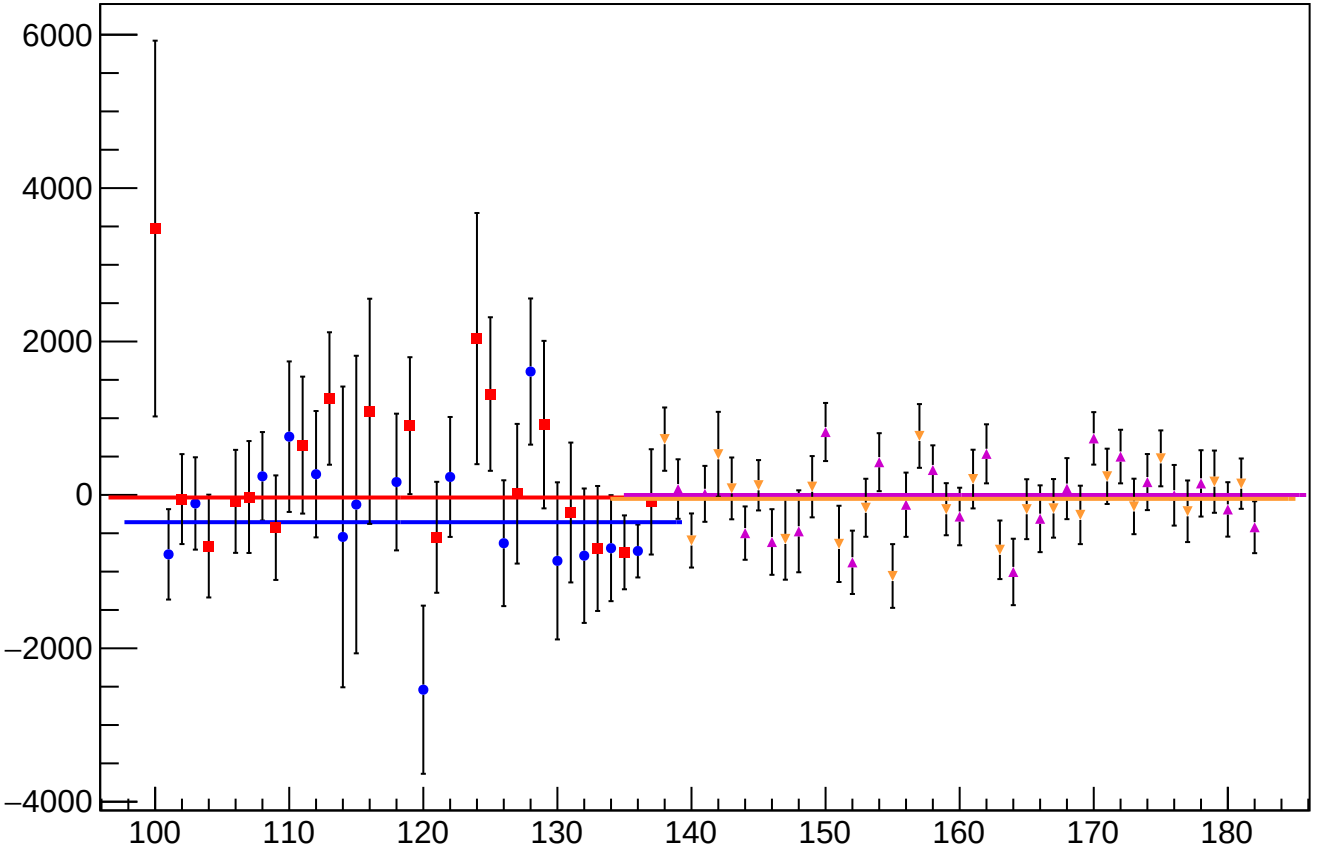
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.826+/-0.009 χ^2/NDF:722123.6/37

Out: 62.706+/-0.009 χ^2/NDF:722700.4/41

All: 62.765+/-0.006 χ^2/NDF: 1444915.3/79

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: -51.339+/-81.078 χ^2/NDF:27.6/22

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -1.093+/-81.639 χ^2/NDF:33.8/21

Left: -26.389+/-57.528 χ^2/NDF: 61.7/44

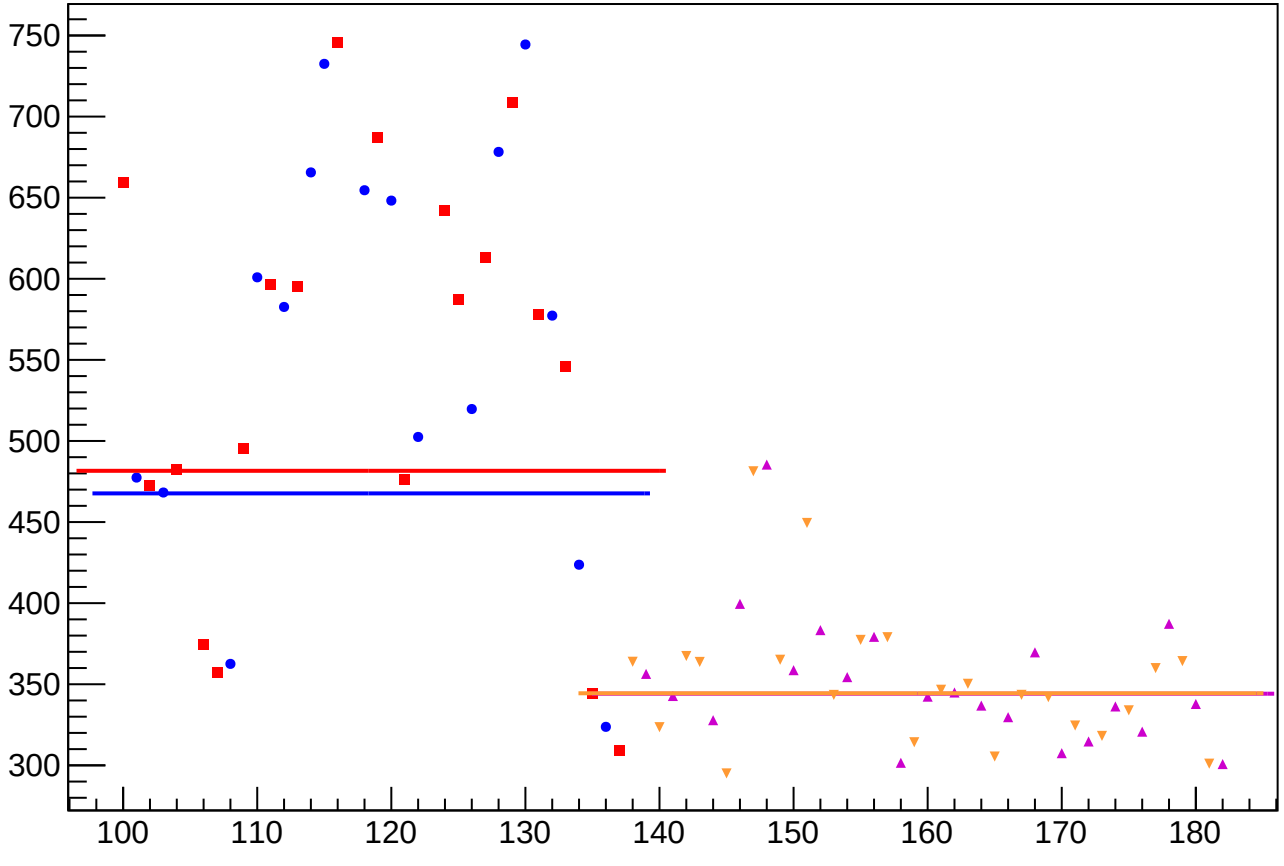
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -61.378+/-74.373 χ^2/NDF:51.8/37

Out: -48.421+/-74.031 χ^2/NDF:43.0/41

All: -54.870+/-52.468 χ^2/NDF: 94.9/79

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: 344.434+/-0.057 χ^2/NDF:415975.3/22

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 344.171+/-0.058 χ^2/NDF:360969.6/21

Left: 344.303+/-0.041 χ^2/NDF: 776955.3/44

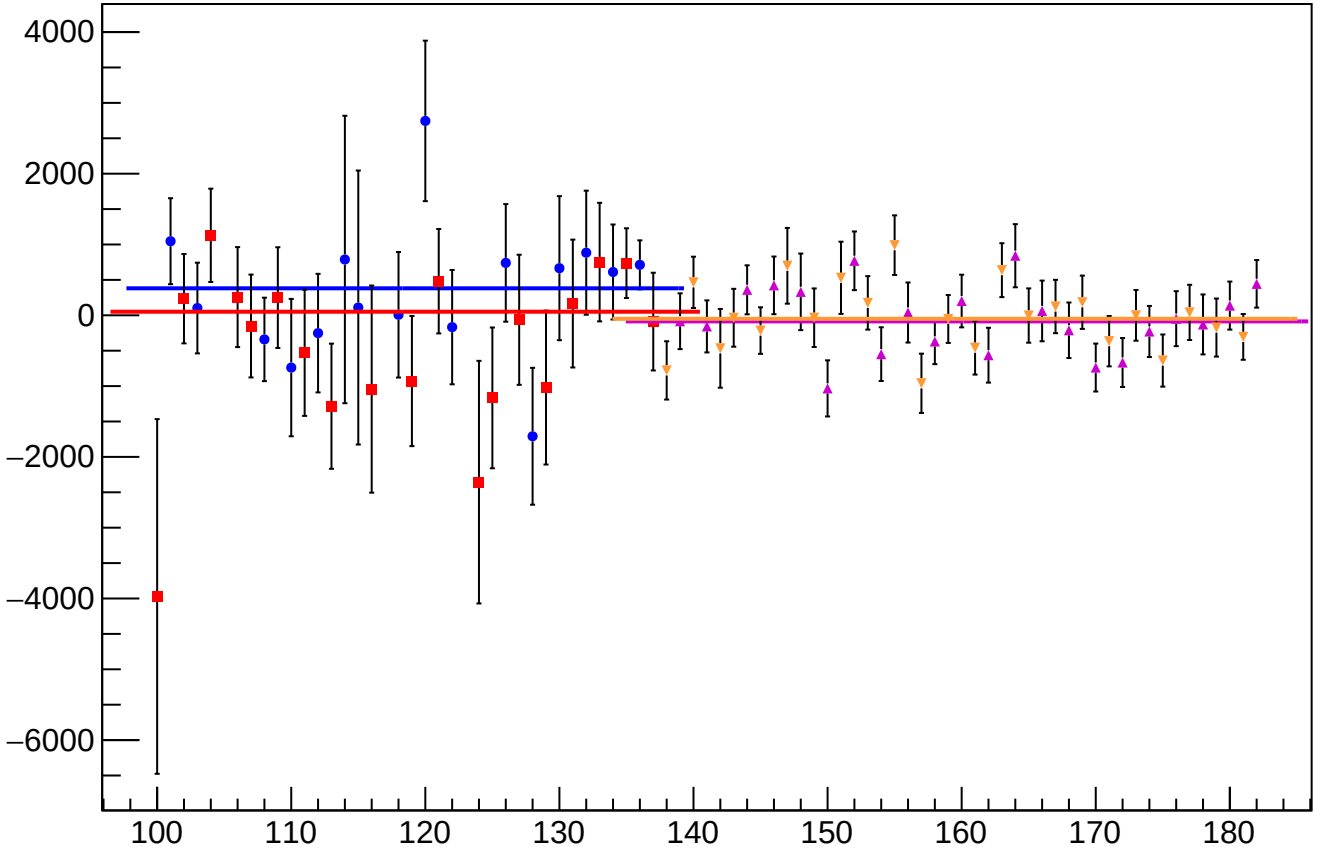
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 365.178+/-0.053 χ^2/NDF:2125411.2/37

Out: 367.239+/-0.052 χ^2/NDF:2221964.7/41

All: 366.213+/-0.037 χ^2/NDF: 4348147.5/79

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -49.502+/-81.059 χ^2/NDF:29.6/22

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -86.420+/-81.251 χ^2/NDF:32.5/21

Left: -67.917+/-57.385 χ^2/NDF: 62.2/44

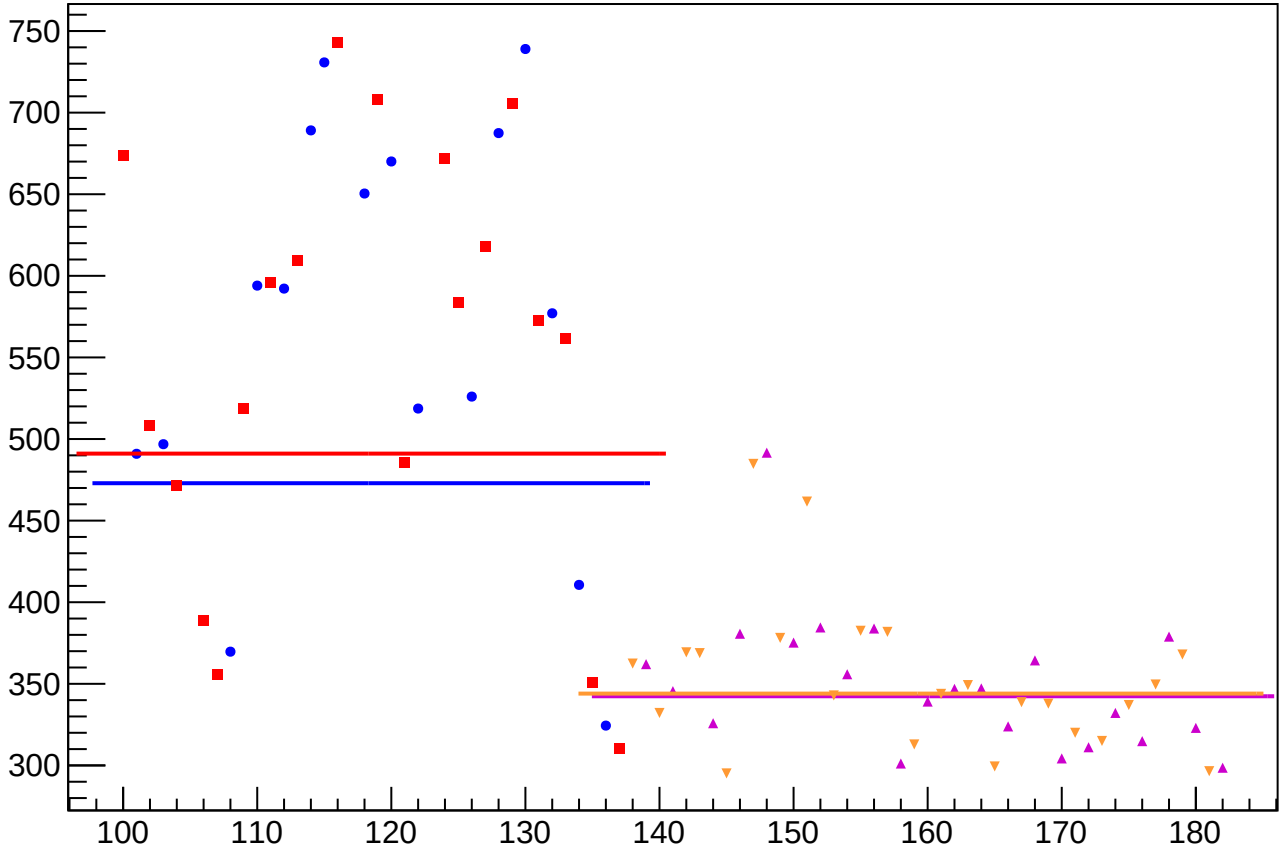
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: -9.193+/-74.237 χ^2/NDF:54.1/37

Out: -33.451+/-74.262 χ^2/NDF:47.3/41

All: -21.318+/-52.502 χ^2/NDF: 101.4/79

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 344.007+/-0.057 χ^2/NDF:472426.1/22

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 342.379+/-0.057 χ^2/NDF:388461.8/21

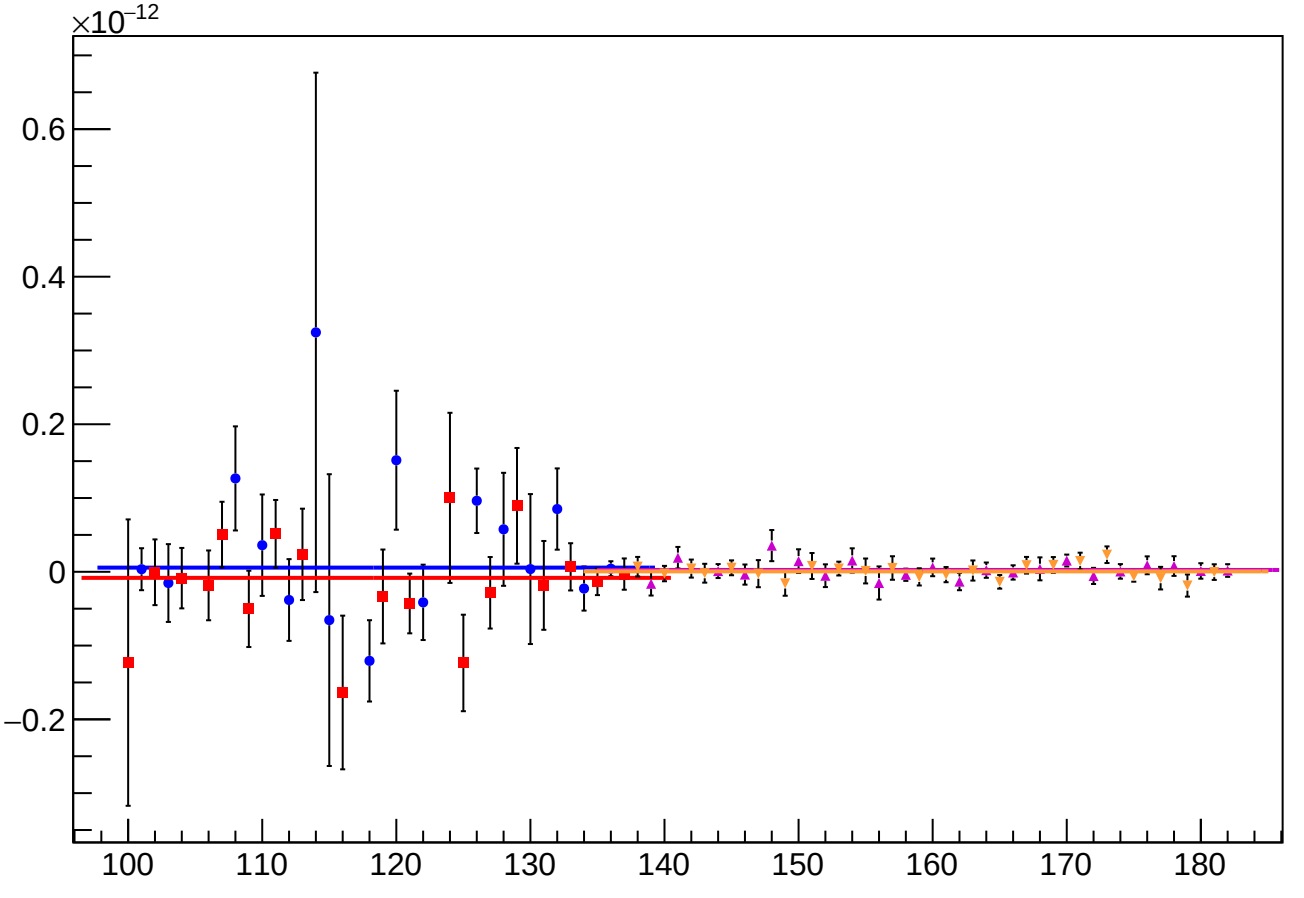
Left: 343.195+/-0.041 χ^2/NDF: 861290.5/44

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 363.943+/-0.052 χ^2/NDF:2241595.2/37

Out: 367.636+/-0.053 χ^2/NDF:2377587.4/41

All: 365.789+/-0.037 χ^2/NDF: 4621655.8/79



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/22

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/21

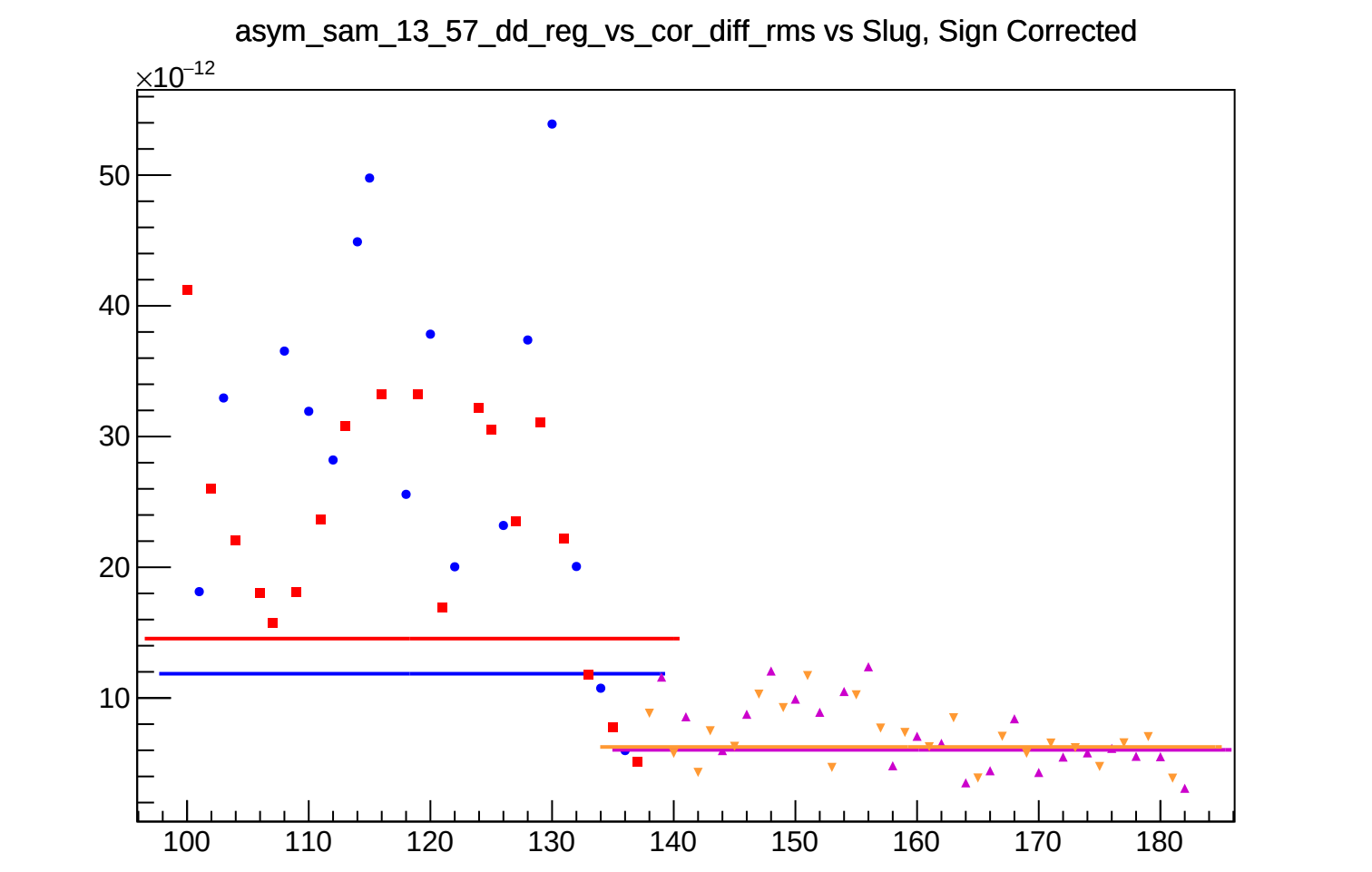
Left: 0.000+/-0.000 χ^2/NDF: 28.5/44

Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:34.8/37

Out: 0.000+/-0.000 χ^2/NDF:29.5/41

All: 0.000+/-0.000 χ^2/NDF: 65.0/79



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1098505.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1660273.6/21

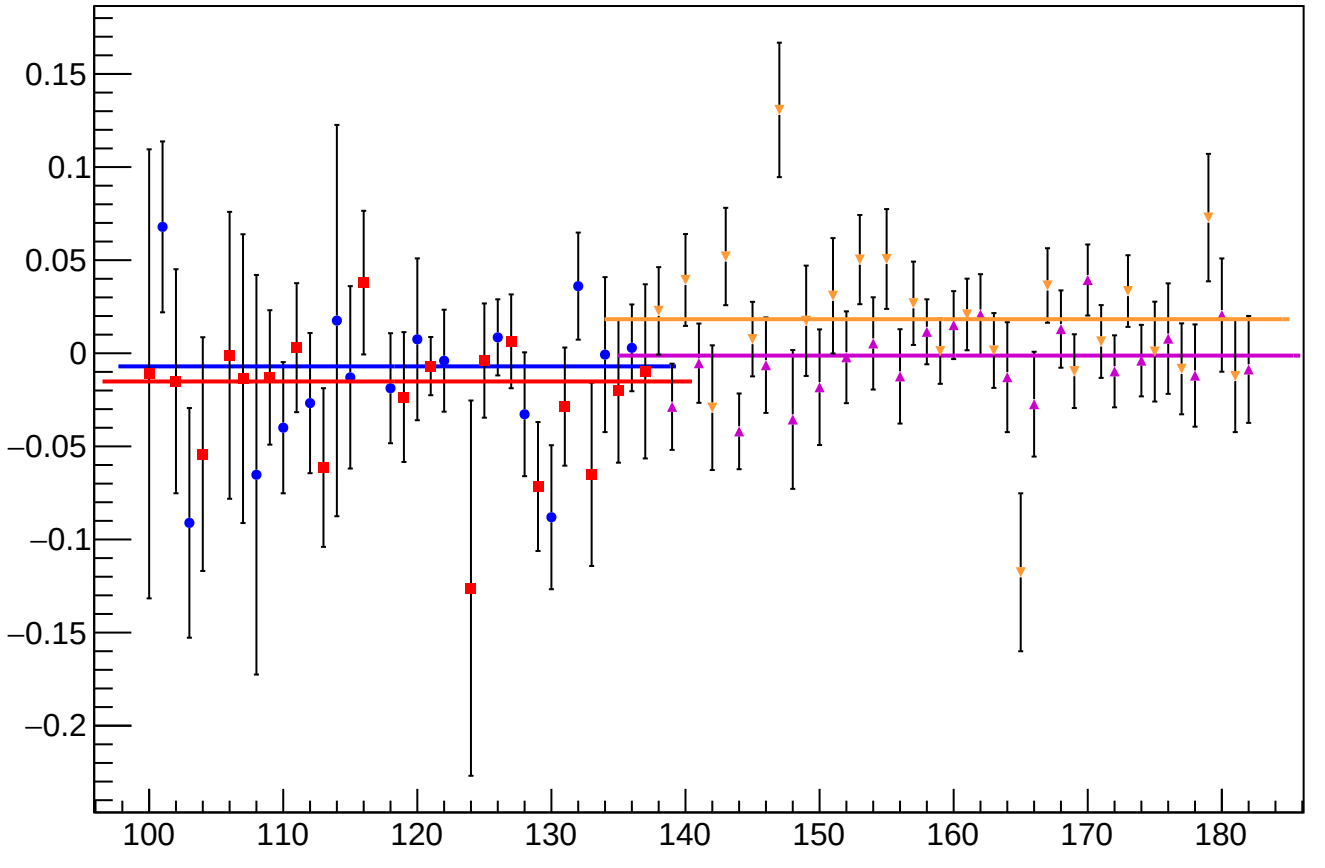
Left: 0.000+/-0.000 χ^2/NDF: 2766892.6/44

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:5452853.3/37

Out: 0.000+/-0.000 χ^2/NDF:4357642.5/41

All: 0.000+/-0.000 χ^2/NDF: 9822397.8/79



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.018+/-0.005 χ^2/NDF:38.9/22

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:16.3/21

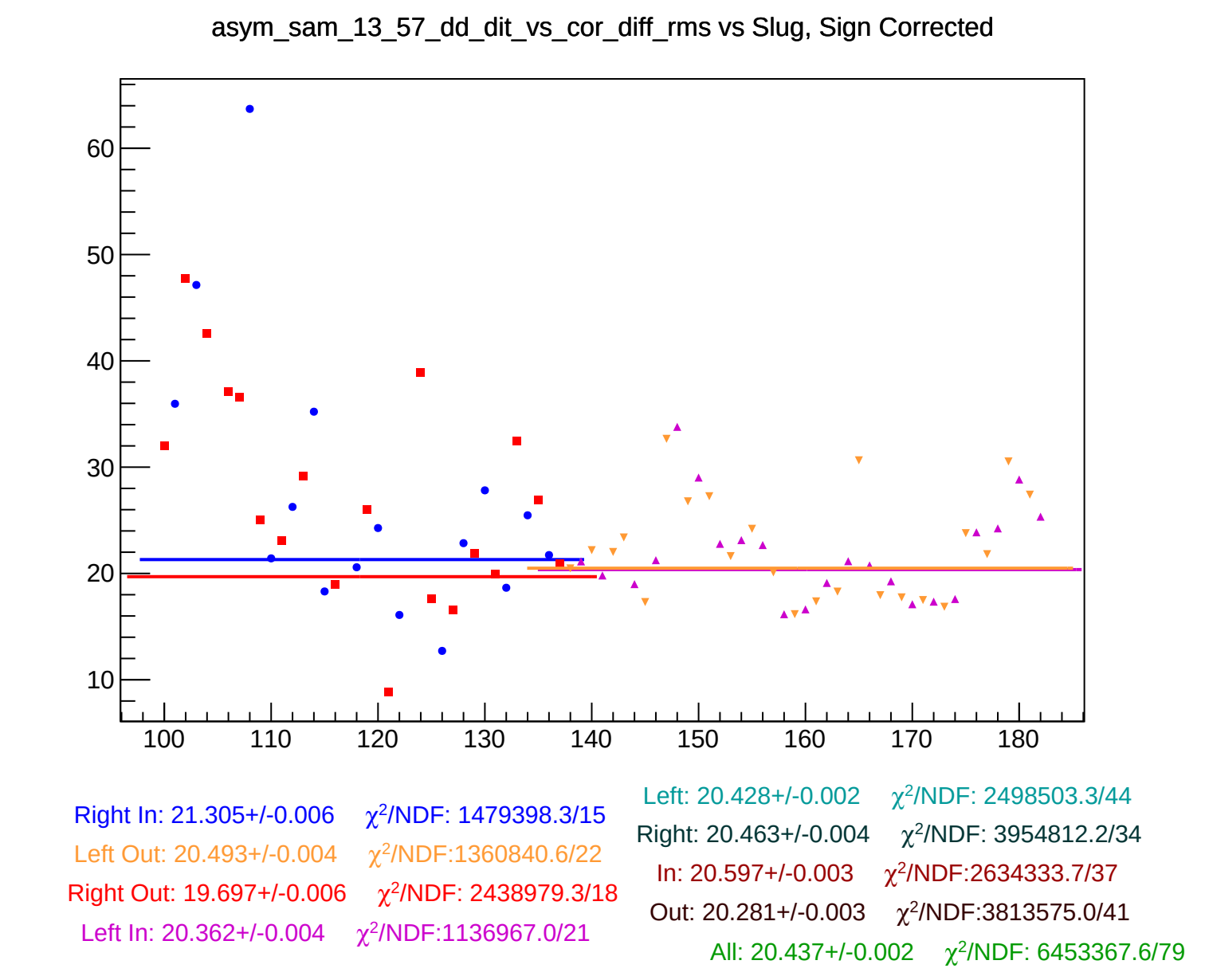
Left: 0.009+/-0.004 χ^2/NDF: 63.0/44

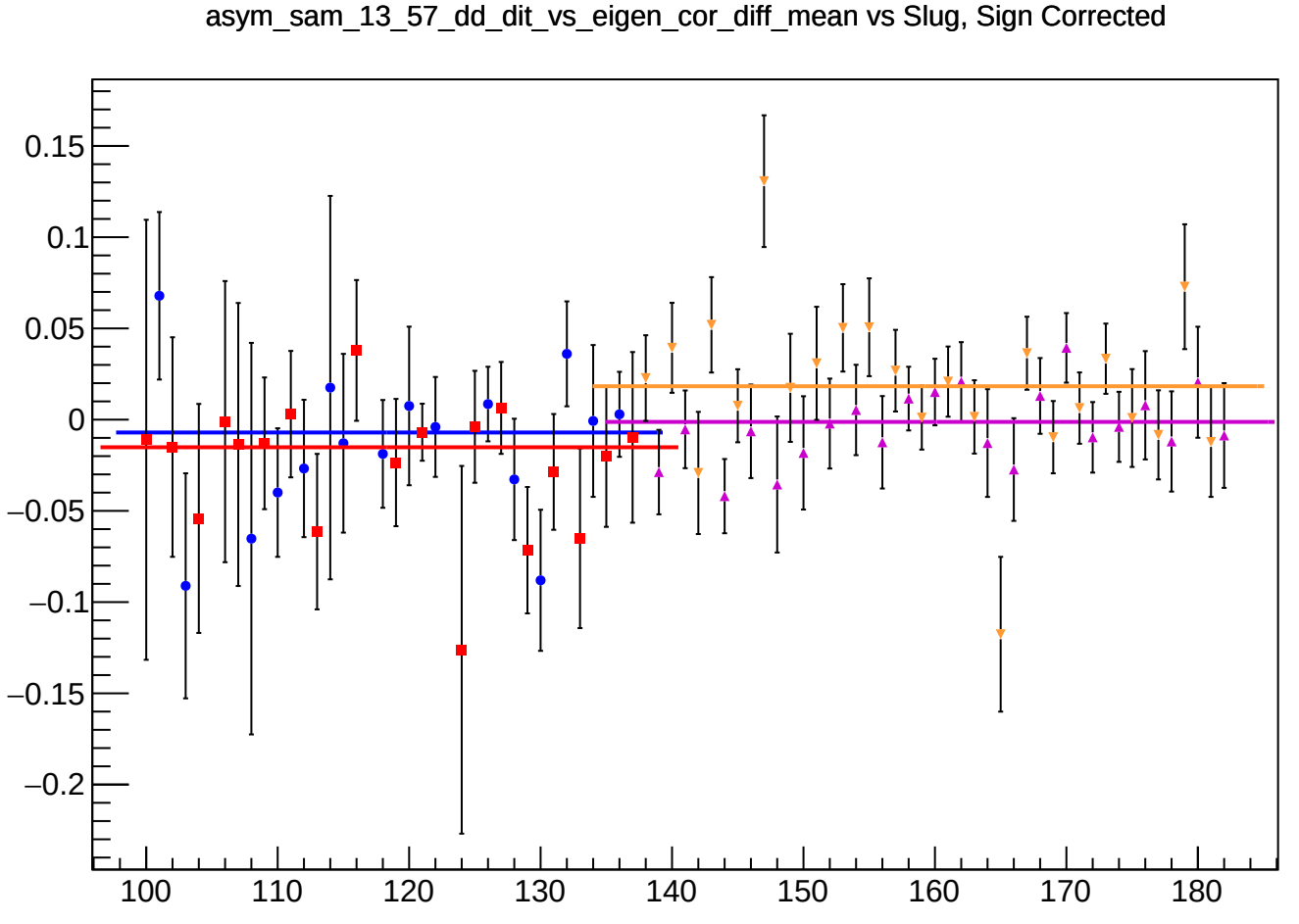
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:31.0/37

Out: 0.009+/-0.004 χ^2/NDF:61.1/41

All: 0.003+/-0.003 χ^2/NDF: 96.1/79


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 20.493+/-0.004 χ²/NDF:1360840.6/22
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 20.362+/-0.004 χ²/NDF:1136967.0/21
Left: 20.428+/-0.002 χ²/NDF: 2498503.3/44
Right: 20.463+/-0.004 χ²/NDF: 3954812.2/34
In: 20.597+/-0.003 χ²/NDF:2634333.7/37
Out: 20.281+/-0.003 χ²/NDF:3813575.0/41
All: 20.437+/-0.002 χ²/NDF: 6453367.6/79



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.018+/-0.005 χ^2/NDF:38.9/22

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:16.3/21

Left: 0.009+/-0.004 χ^2/NDF: 63.0/44

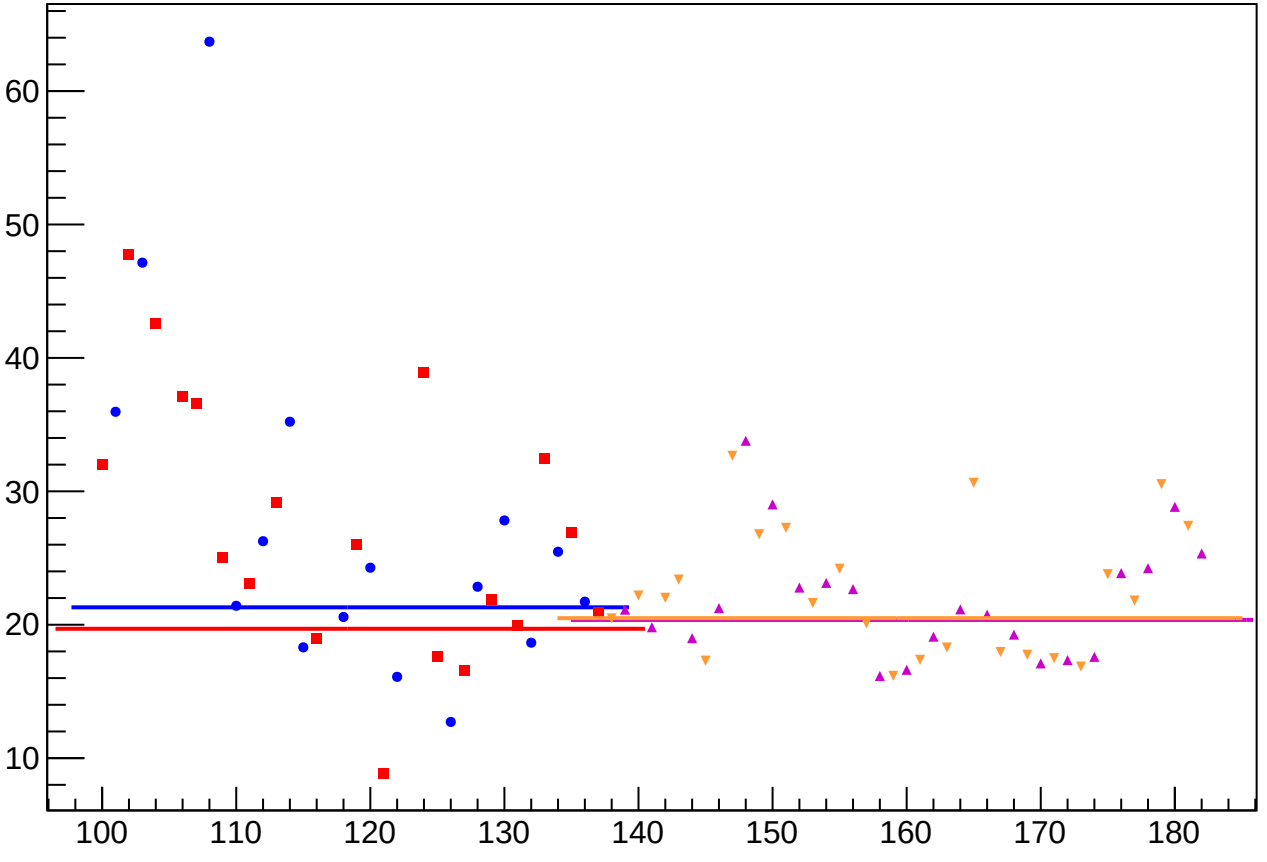
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:31.0/37

Out: 0.009+/-0.004 χ^2/NDF:61.1/41

All: 0.003+/-0.003 χ^2/NDF: 96.1/79

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: 20.493+/-0.004 χ^2/NDF:1360840.6/22

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.362+/-0.004 χ^2/NDF:1136967.0/21

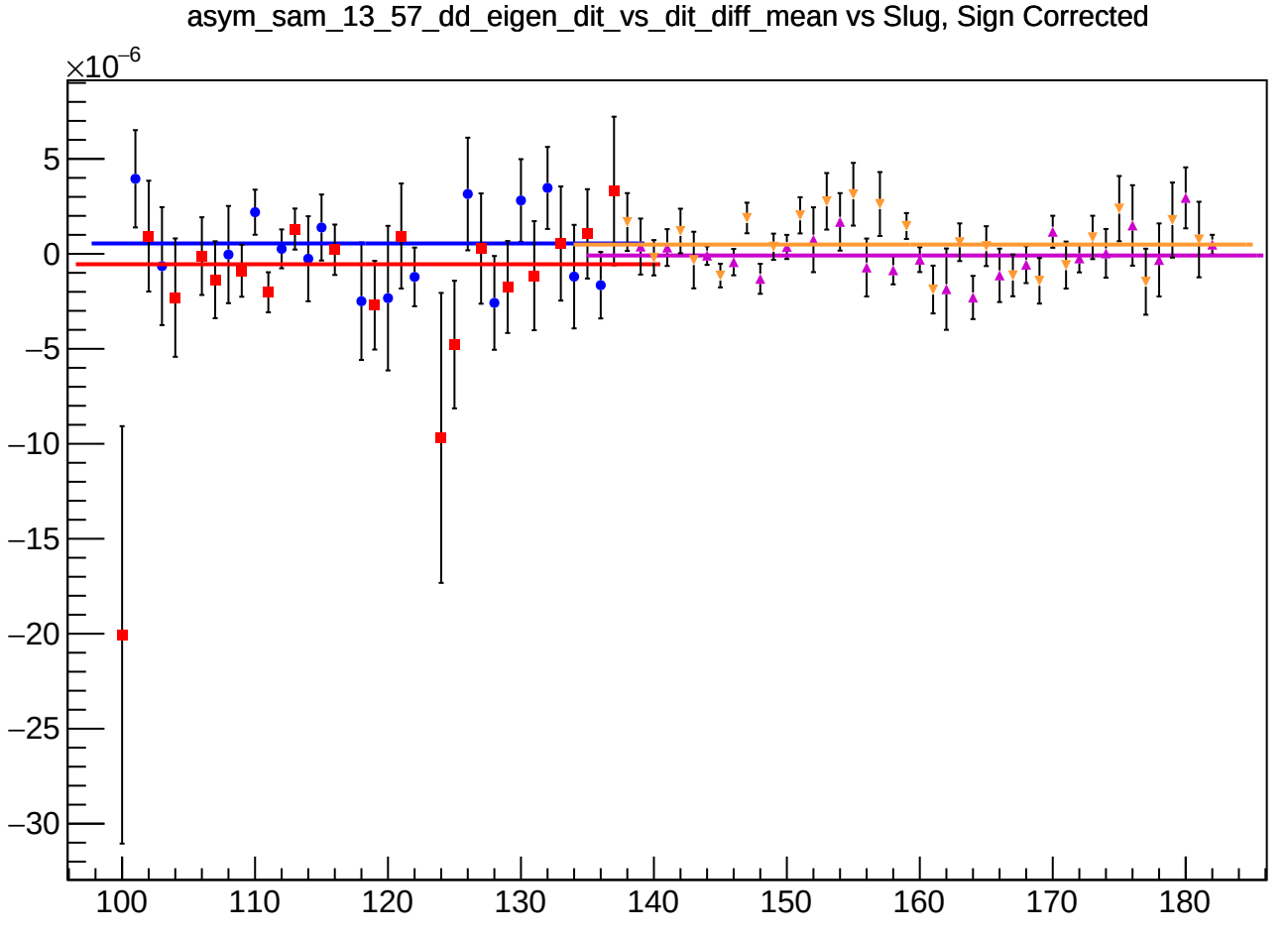
Left: 20.428+/-0.002 χ^2/NDF: 2498503.3/44

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.597+/-0.003 χ^2/NDF:2634333.7/37

Out: 20.281+/-0.003 χ^2/NDF:3813575.0/41

All: 20.437+/-0.002 χ^2/NDF: 6453367.6/79



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/22

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/21

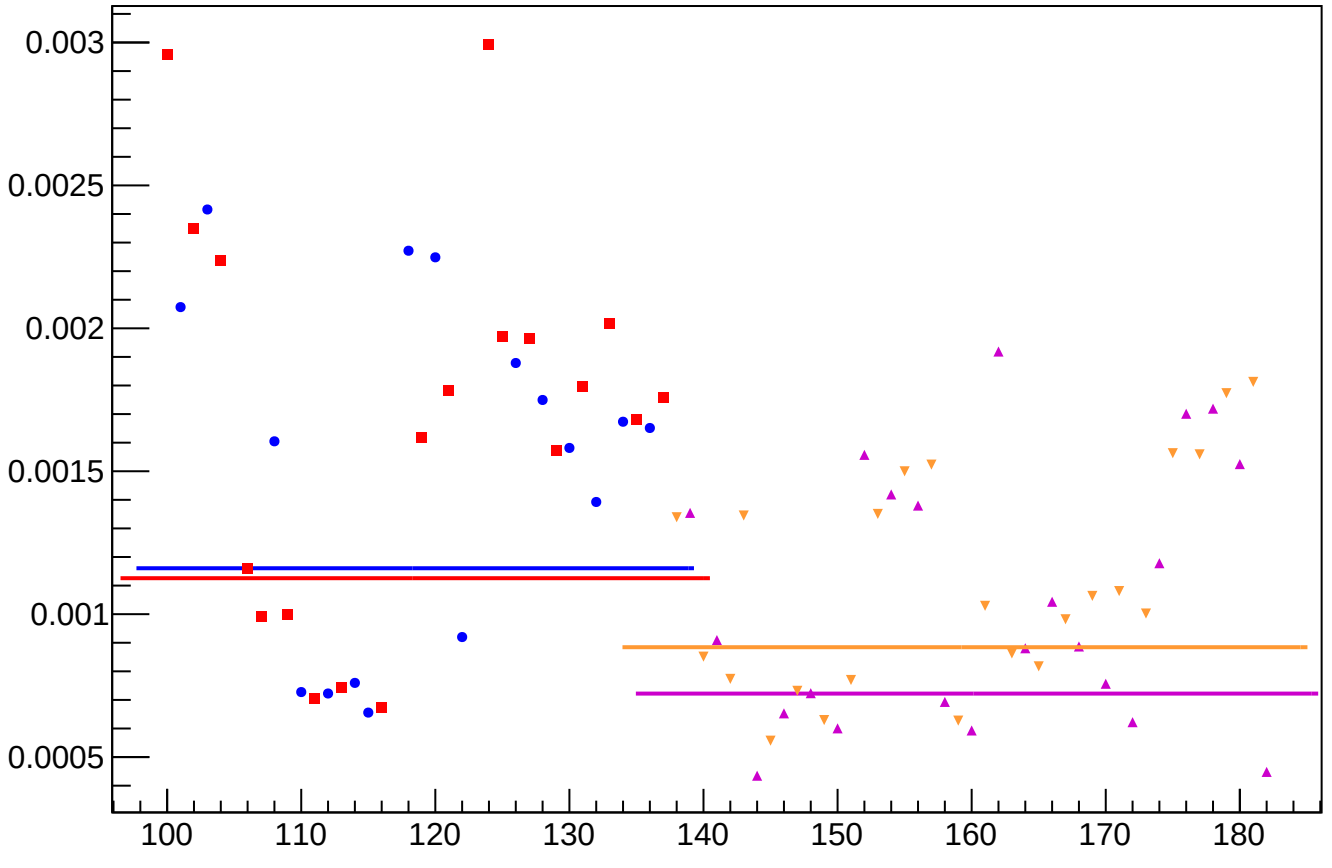
Left: 0.000+/-0.000 χ^2/NDF: 58.2/44

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:35.3/37

Out: 0.000+/-0.000 χ^2/NDF:54.4/41

All: 0.000+/-0.000 χ^2/NDF: 90.9/79



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3983549.6/22

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:5730785.3/21

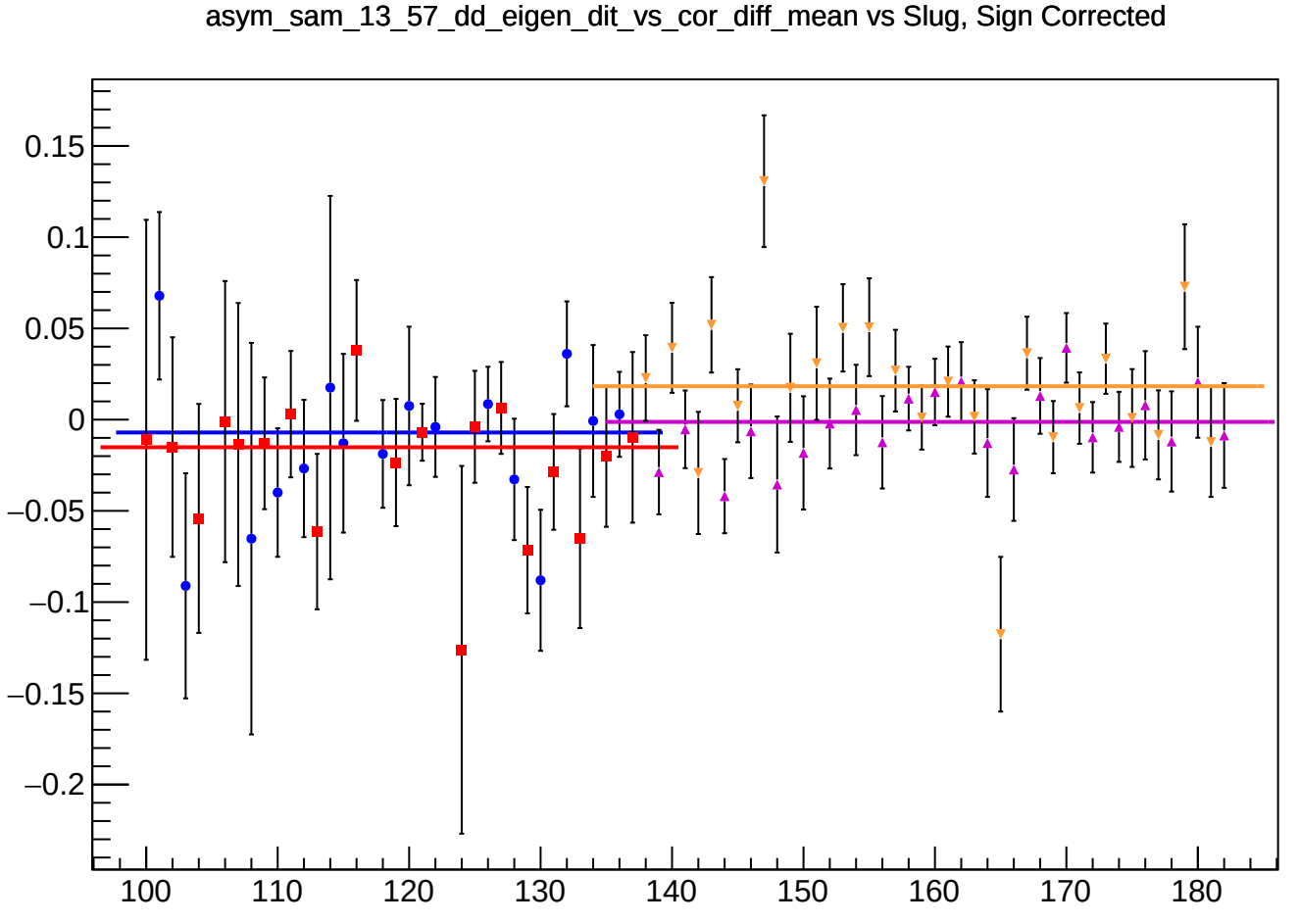
Left: 0.001+/-0.000 χ^2/NDF: 10332712.9/44

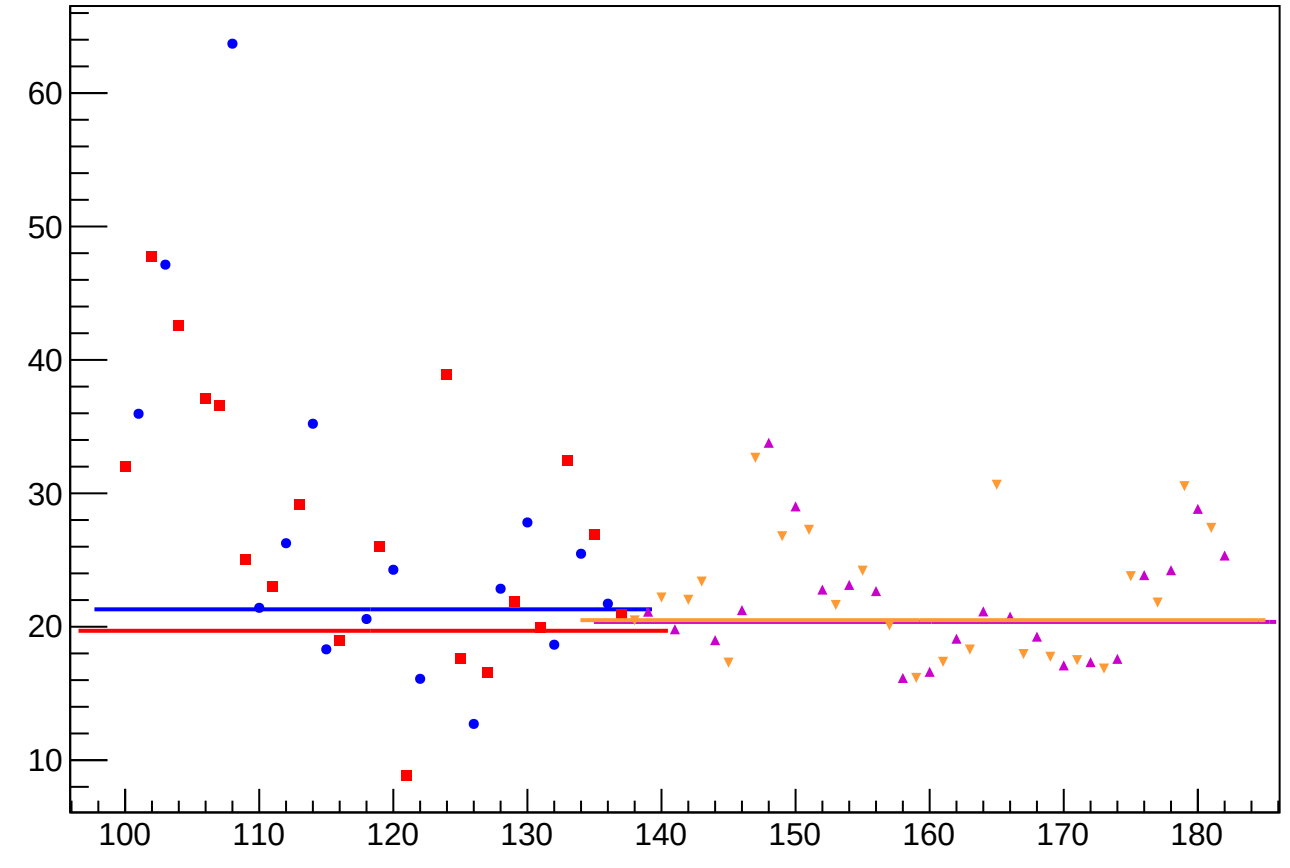
Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:9718968.3/37

Out: 0.001+/-0.000 χ^2/NDF:7055891.7/41

All: 0.001+/-0.000 χ^2/NDF: 17407913.2/79


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.018+/-0.005 χ²/NDF:38.9/22
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.001+/-0.005 χ²/NDF:16.3/21
Left: 0.009+/-0.004 χ²/NDF: 63.0/44
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.003+/-0.004 χ²/NDF:31.0/37
Out: 0.009+/-0.004 χ²/NDF:61.1/41
All: 0.003+/-0.003 χ²/NDF: 96.1/79



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.493+/-0.004 χ^2/NDF:1360941.2/22

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.362+/-0.004 χ^2/NDF:1137014.5/21

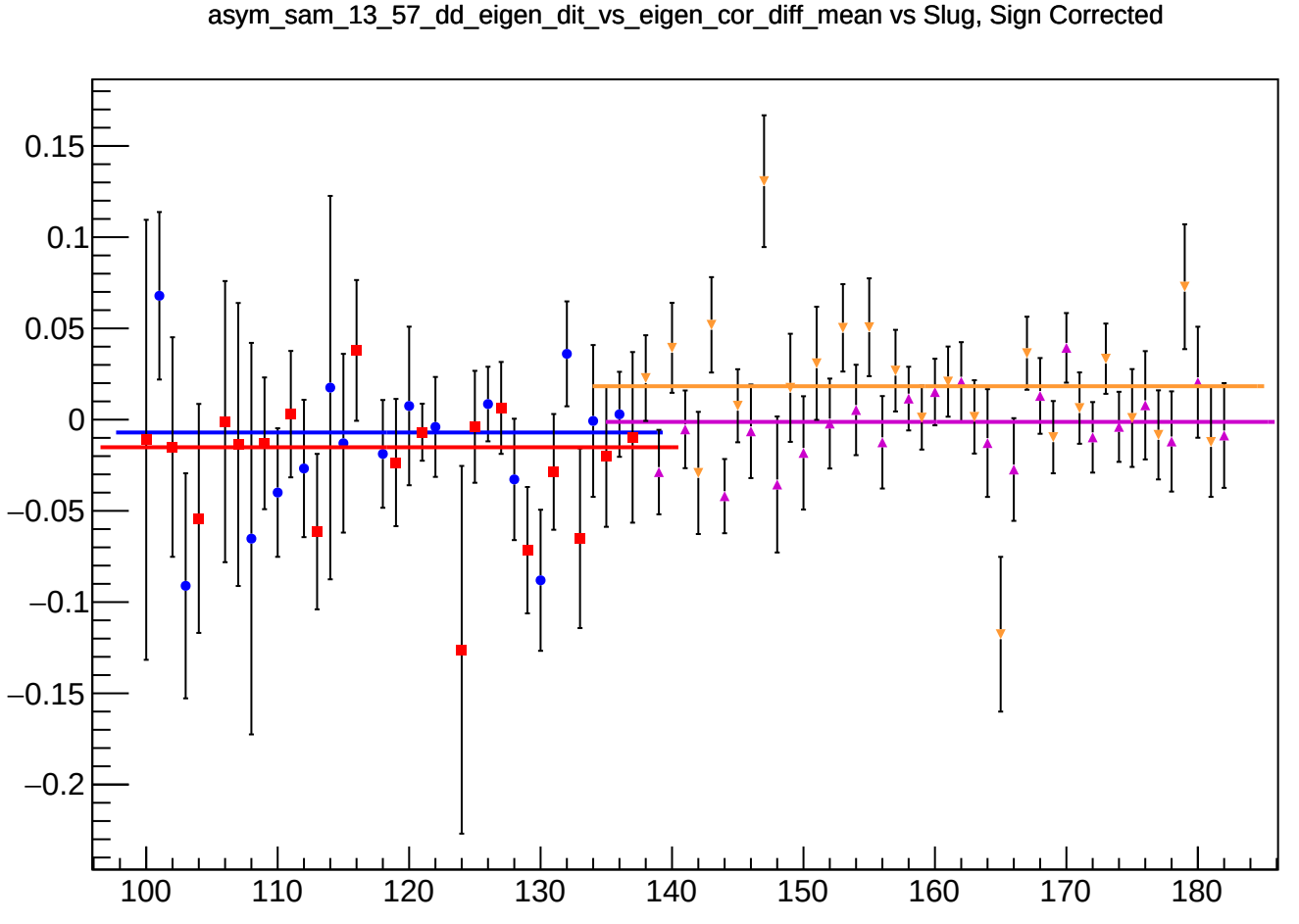
Left: 20.428+/-0.002 χ^2/NDF: 2498650.6/44

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

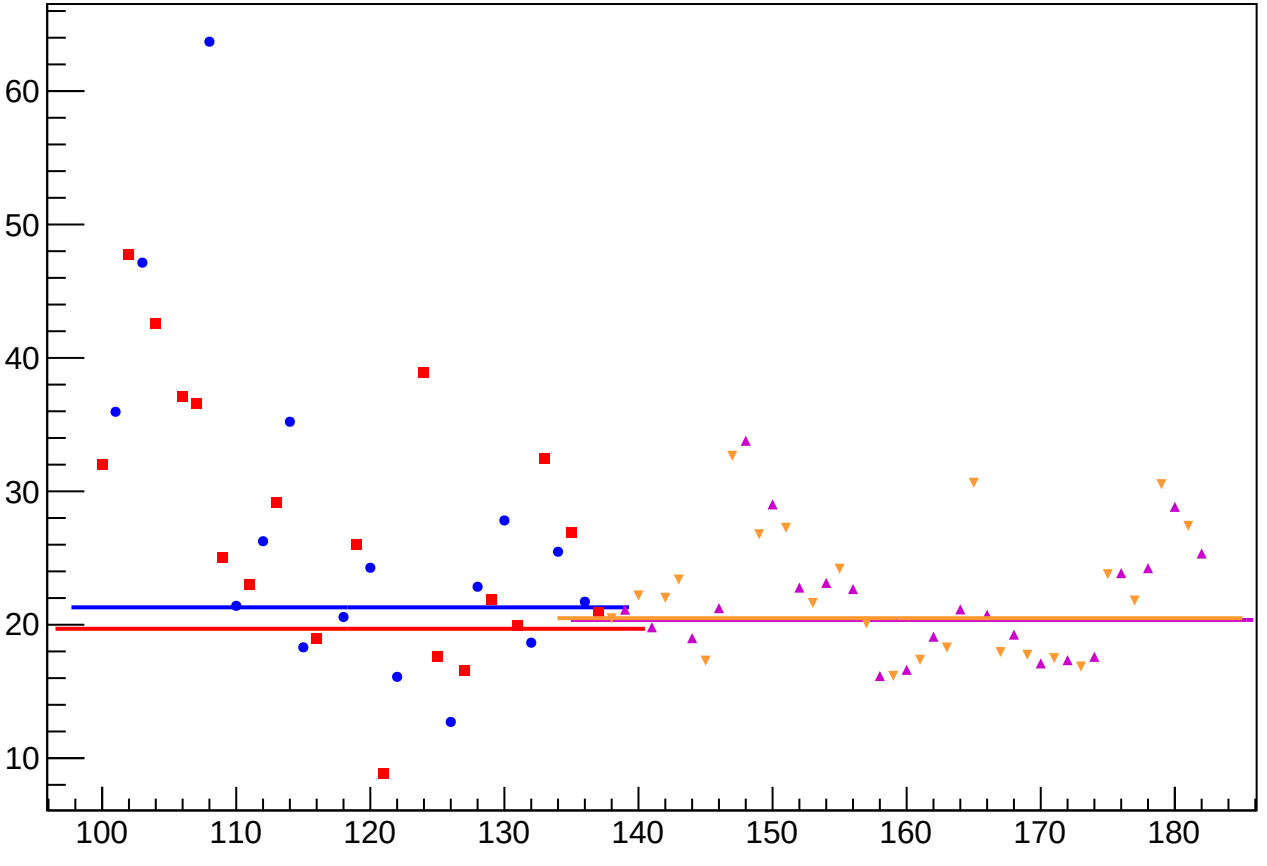
In: 20.597+/-0.003 χ^2/NDF:2634224.3/37

Out: 20.281+/-0.003 χ^2/NDF:3813284.0/41

All: 20.437+/-0.002 χ^2/NDF: 6452965.6/79


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.018+/-0.005 χ²/NDF:38.9/22
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.001+/-0.005 χ²/NDF:16.3/21
Left: 0.009+/-0.004 χ²/NDF: 63.0/44
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.003+/-0.004 χ²/NDF:31.0/37
Out: 0.009+/-0.004 χ²/NDF:61.1/41
All: 0.003+/-0.003 χ²/NDF: 96.1/79

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: 20.493+/-0.004 χ^2/NDF:1360941.2/22

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.362+/-0.004 χ^2/NDF:1137014.5/21

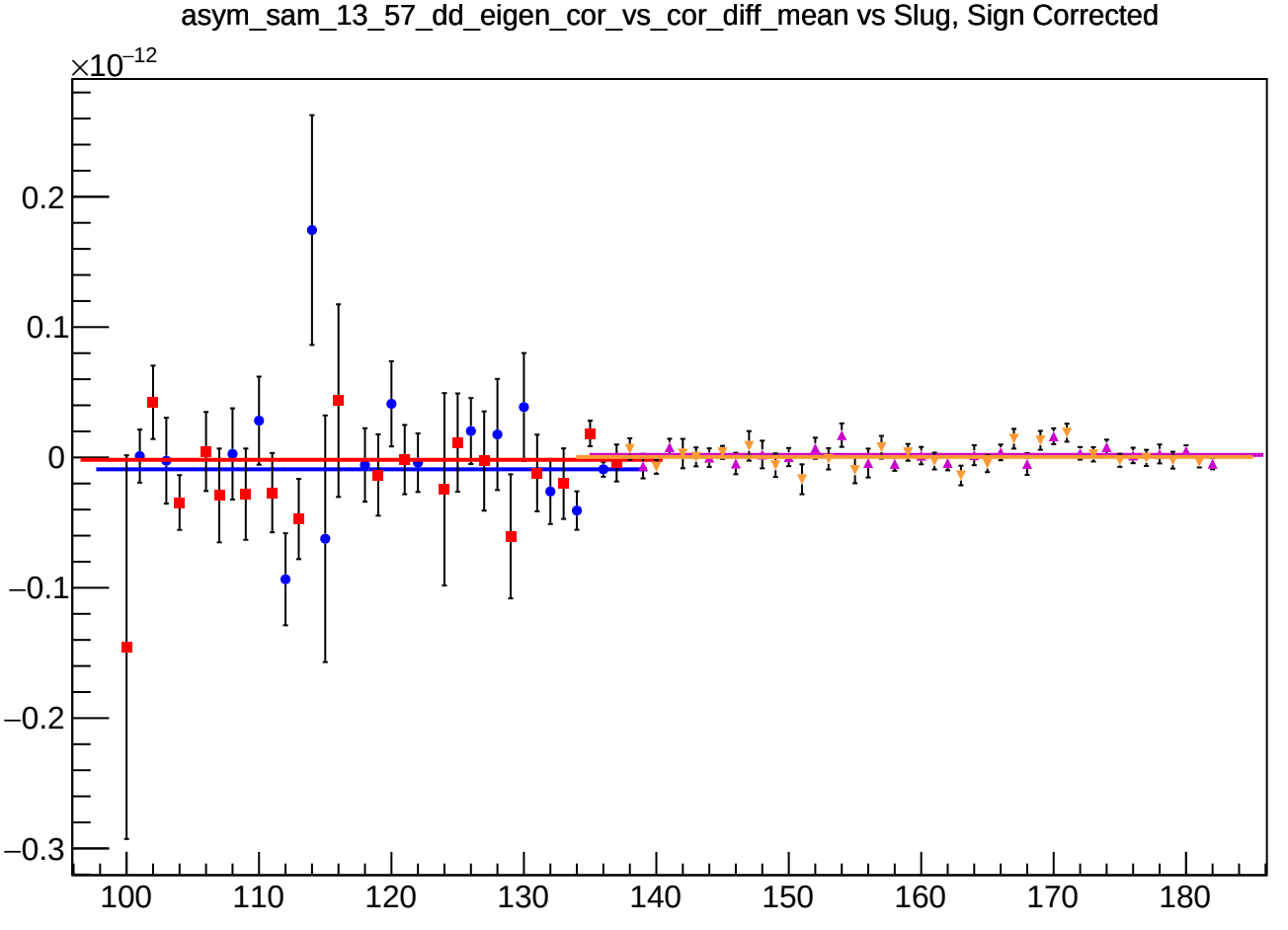
Left: 20.428+/-0.002 χ^2/NDF: 2498650.6/44

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.597+/-0.003 χ^2/NDF:2634224.3/37

Out: 20.281+/-0.003 χ^2/NDF:3813284.0/41

All: 20.437+/-0.002 χ^2/NDF: 6452965.6/79



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/22

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:19.3/21

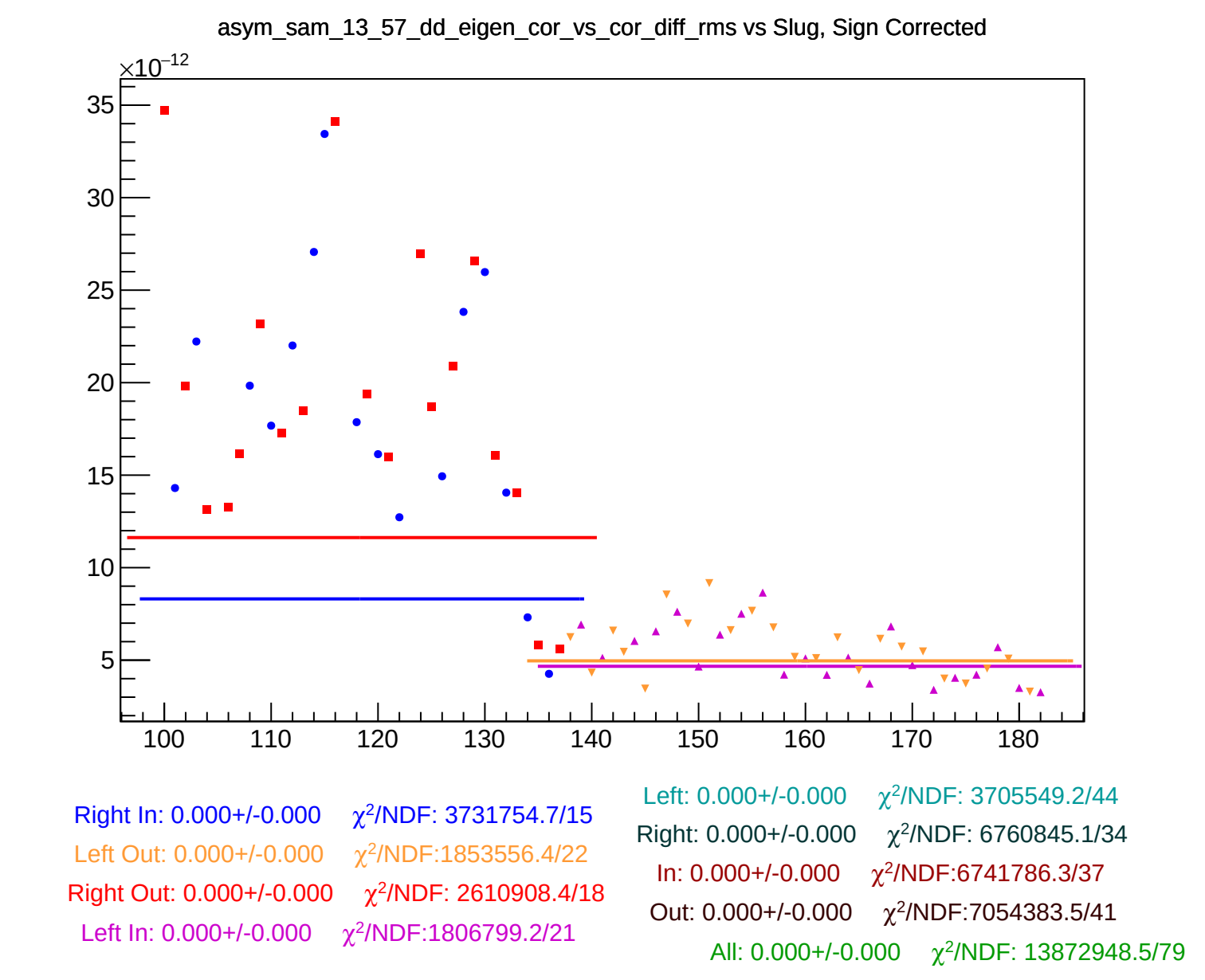
Left: 0.000+/-0.000 χ^2/NDF: 48.0/44

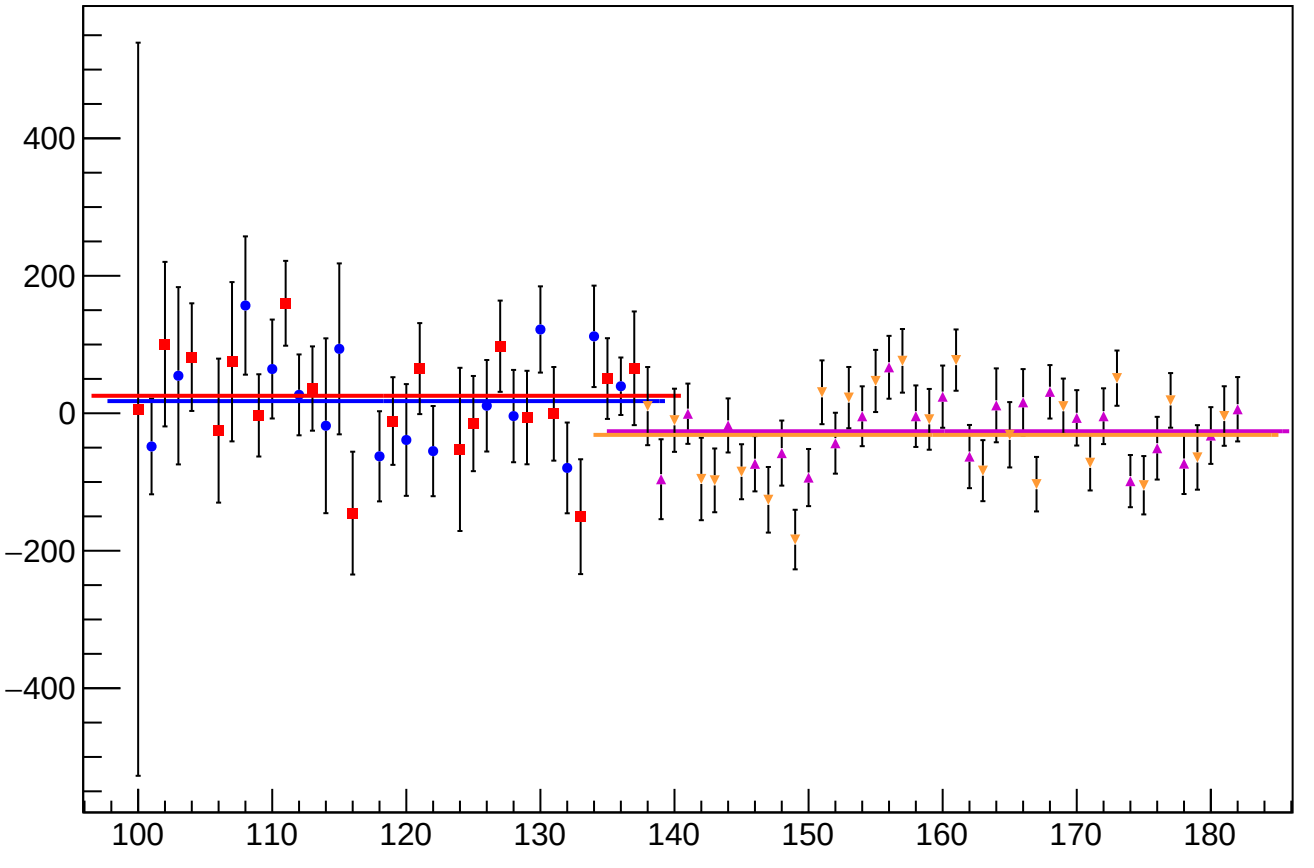
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: 0.000+/-0.000 χ^2/NDF:47.4/37

Out: 0.000+/-0.000 χ^2/NDF:45.1/41

All: 0.000+/-0.000 χ^2/NDF: 92.7/79


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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1853556.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:1806799.2/21
Left: 0.000+/-0.000 χ²/NDF: 3705549.2/44
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:6741786.3/37
Out: 0.000+/-0.000 χ²/NDF:7054383.5/41
All: 0.000+/-0.000 χ²/NDF: 13872948.5/79



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -31.423+/-9.255 χ^2/NDF:56.3/22

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -26.151+/-9.339 χ^2/NDF:22.5/21

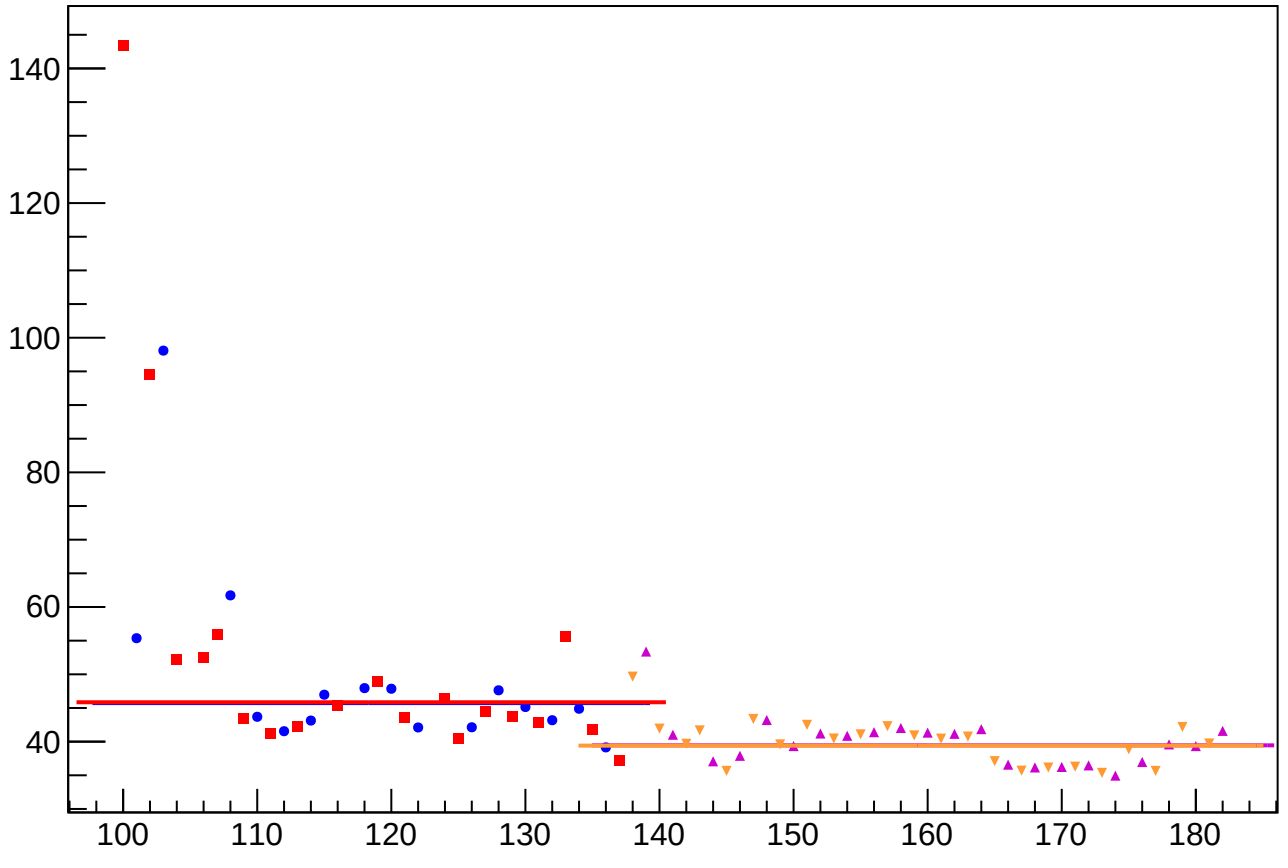
Left: -28.811+/-6.574 χ^2/NDF: 78.9/44

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -16.406+/-8.236 χ^2/NDF:41.3/37

Out: -18.811+/-8.165 χ^2/NDF:82.5/41

All: -17.619+/-5.798 χ^2/NDF: 123.9/79



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.409+/-0.007 χ^2/NDF:225940.4/22

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.451+/-0.007 χ^2/NDF:249226.5/21

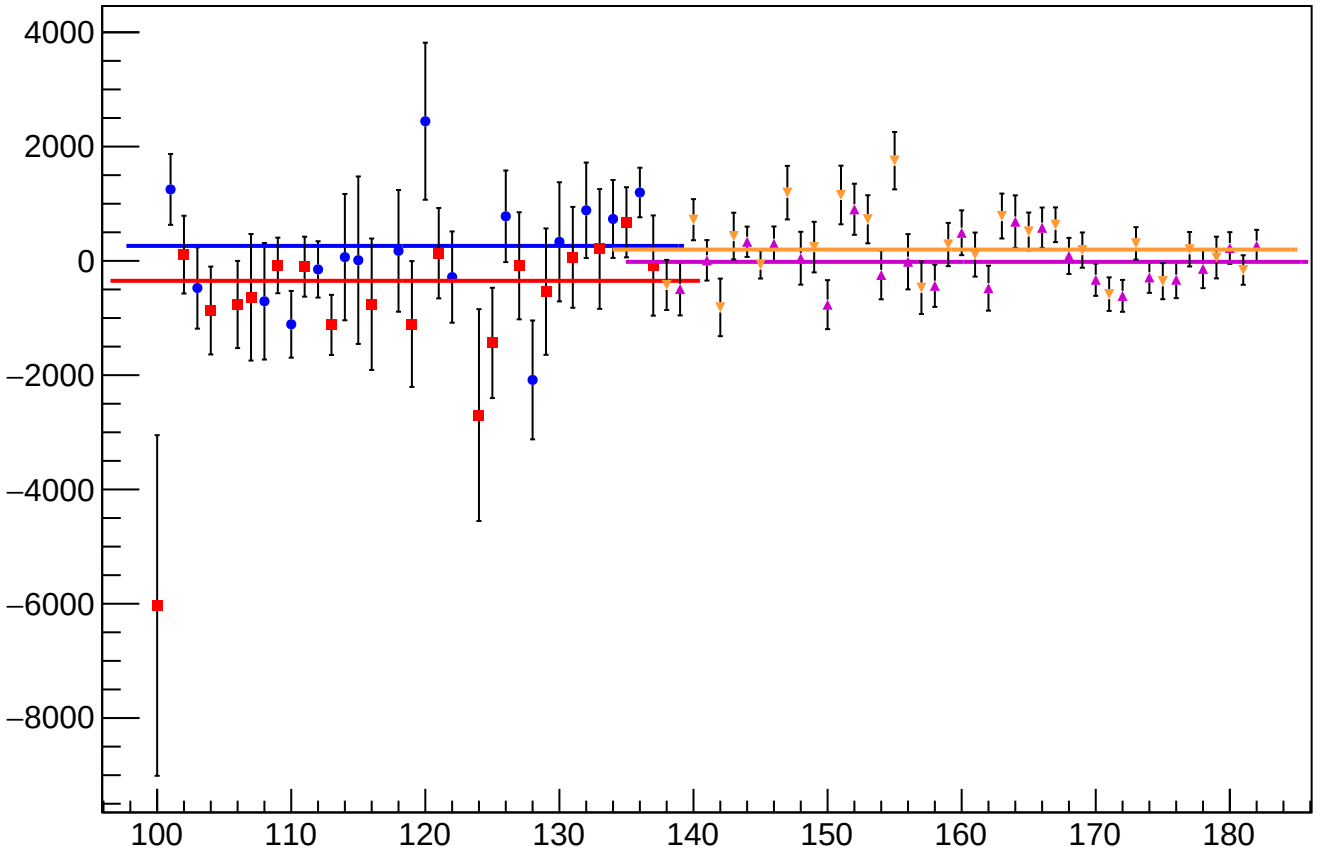
Left: 39.430+/-0.005 χ^2/NDF: 475187.2/44

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 40.846+/-0.006 χ^2/NDF:951432.4/37

Out: 40.837+/-0.006 χ^2/NDF:980878.9/41

All: 40.841+/-0.004 χ^2/NDF: 1932312.2/79



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 197.859+/-73.433 χ^2/NDF:48.5/22

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -17.235+/-72.745 χ^2/NDF:30.8/21

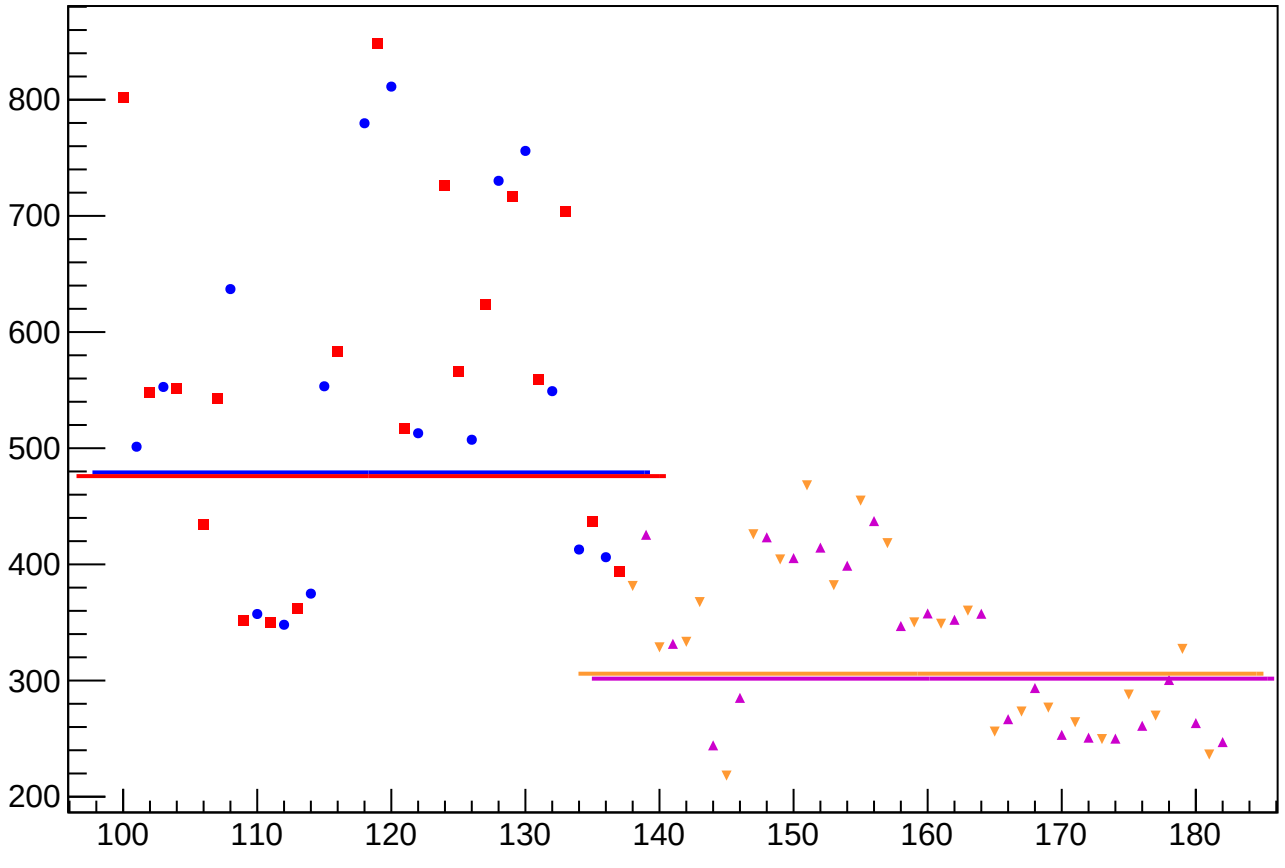
Left: 89.301+/-51.680 χ^2/NDF: 83.7/44

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 20.077+/-67.710 χ^2/NDF:57.7/37

Out: 120.381+/-68.029 χ^2/NDF:71.3/41

All: 69.993+/-47.990 χ^2/NDF: 130.1/79



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 305.903+/-0.052 χ^2/NDF:1647953.2/22

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 301.633+/-0.051 χ^2/NDF:1399935.1/21

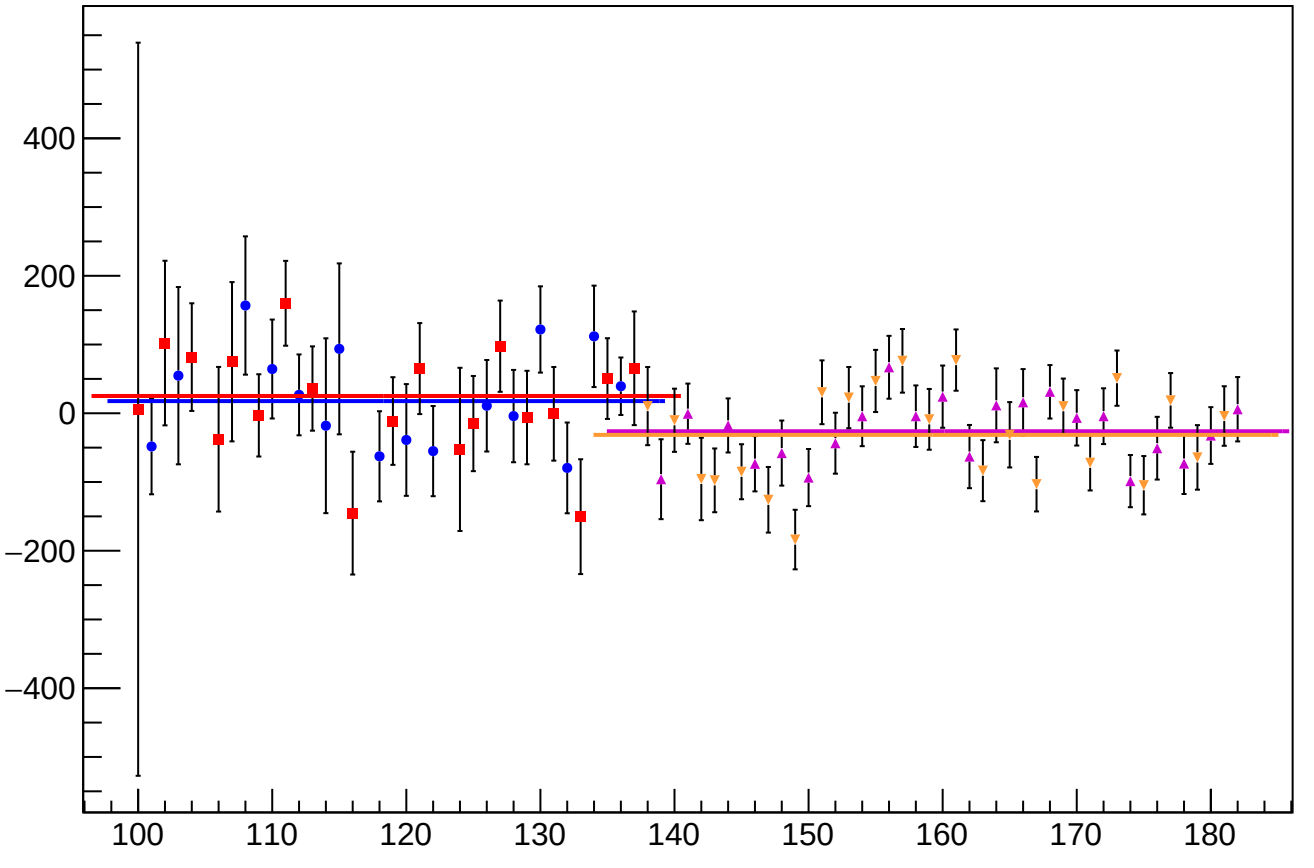
Left: 303.748+/-0.037 χ^2/NDF: 3051300.4/44

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 325.362+/-0.048 χ^2/NDF:3944851.4/37

Out: 330.015+/-0.048 χ^2/NDF:4175554.7/41

All: 327.677+/-0.034 χ^2/NDF: 8125105.3/79



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -31.424+/-9.255 χ^2/NDF:56.3/22

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -26.151+/-9.339 χ^2/NDF:22.5/21

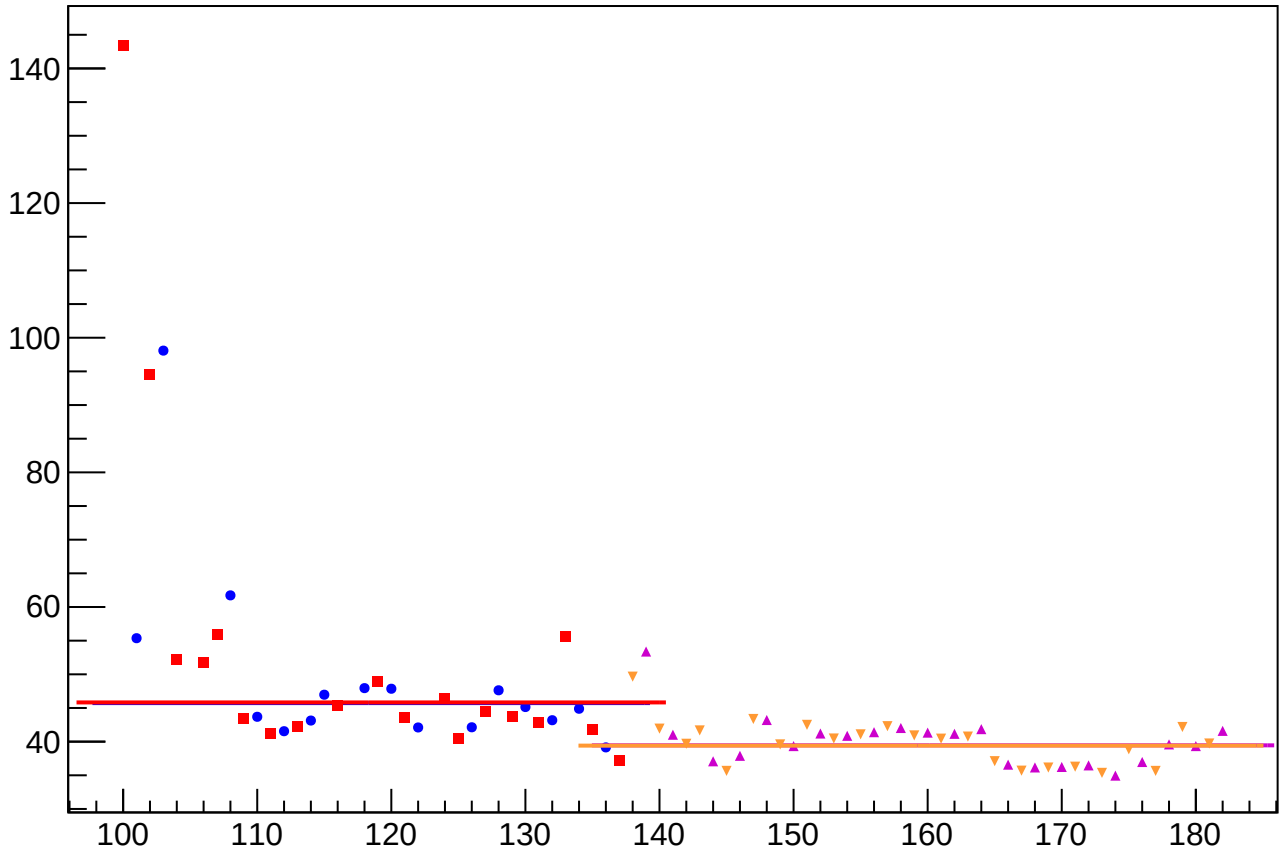
Left: -28.811+/-6.574 χ^2/NDF: 78.9/44

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -16.405+/-8.236 χ^2/NDF:41.3/37

Out: -18.880+/-8.165 χ^2/NDF:82.6/41

All: -17.653+/-5.798 χ^2/NDF: 123.9/79



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.409+/-0.007 χ^2/NDF:225940.4/22

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.451+/-0.007 χ^2/NDF:249226.5/21

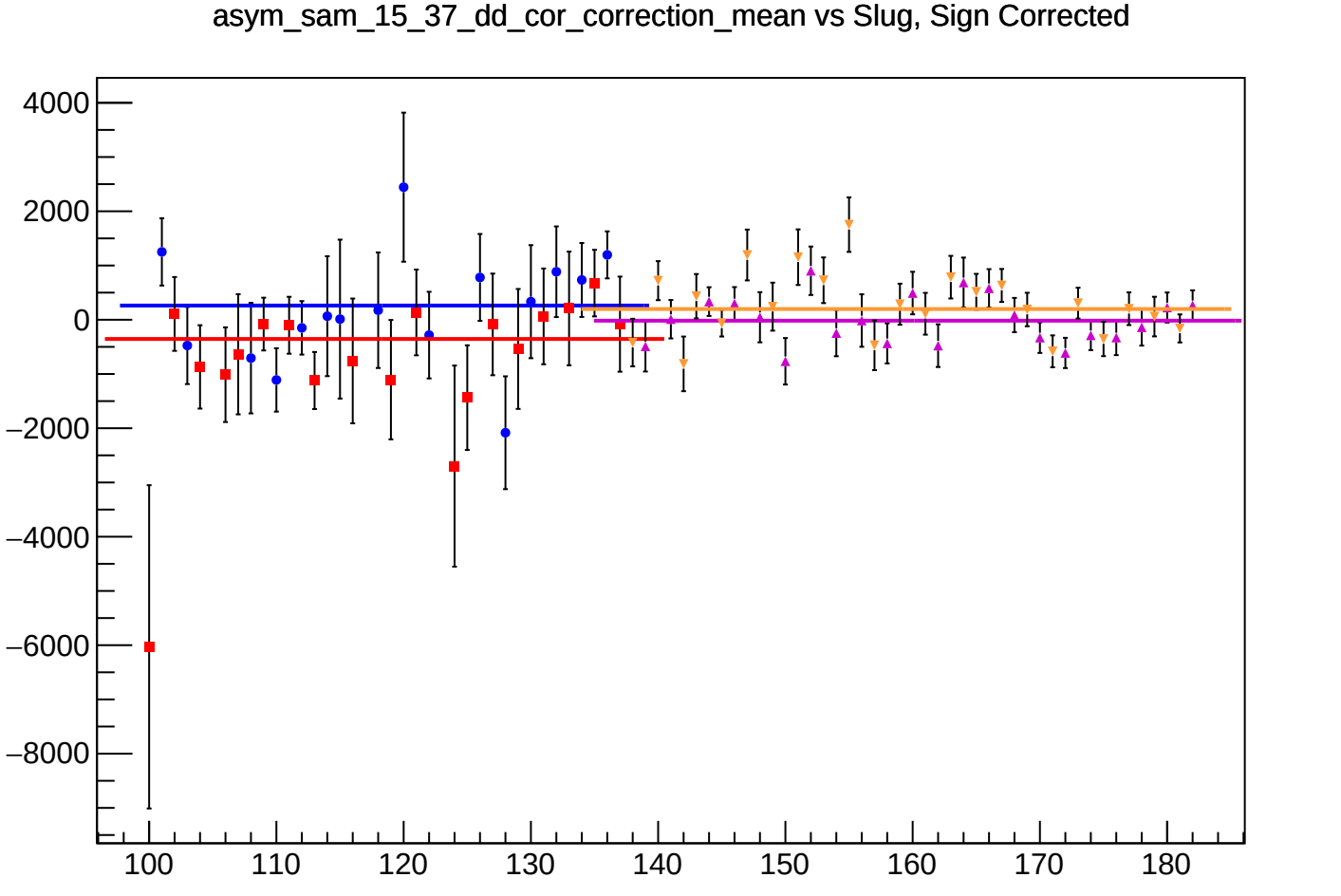
Left: 39.430+/-0.005 χ^2/NDF: 475187.2/44

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.846+/-0.006 χ^2/NDF:951435.3/37

Out: 40.832+/-0.006 χ^2/NDF:977560.7/41

All: 40.839+/-0.004 χ^2/NDF: 1928998.8/79



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 197.857+/-73.433 χ^2/NDF:48.5/22

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -17.234+/-72.745 χ^2/NDF:30.8/21

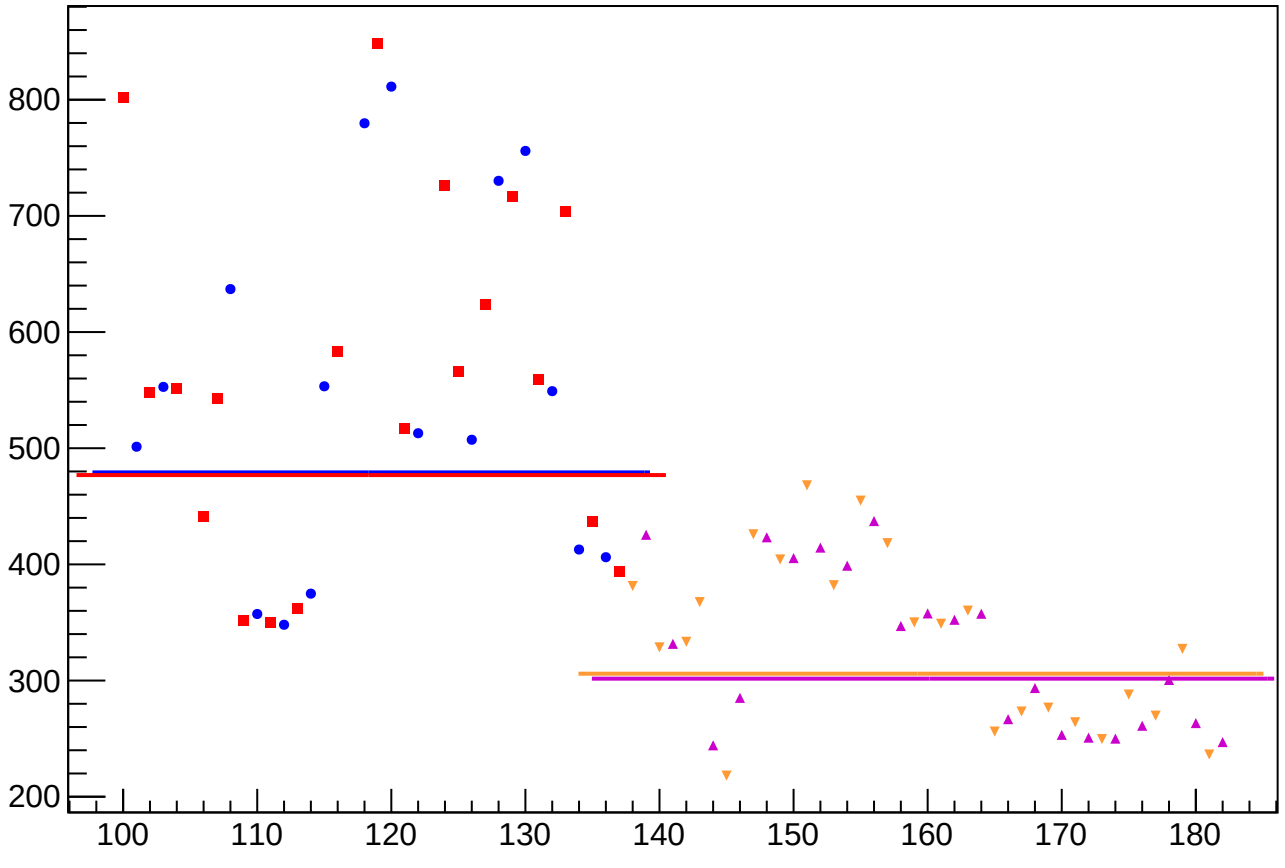
Left: 89.300+/-51.680 χ^2/NDF: 83.7/44

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 20.078+/-67.710 χ^2/NDF:57.7/37

Out: 120.497+/-68.093 χ^2/NDF:71.7/41

All: 70.004+/-48.013 χ^2/NDF: 130.5/79



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 305.903+/-0.052 χ^2/NDF:1647949.4/22

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 301.633+/-0.051 χ^2/NDF:1399942.5/21

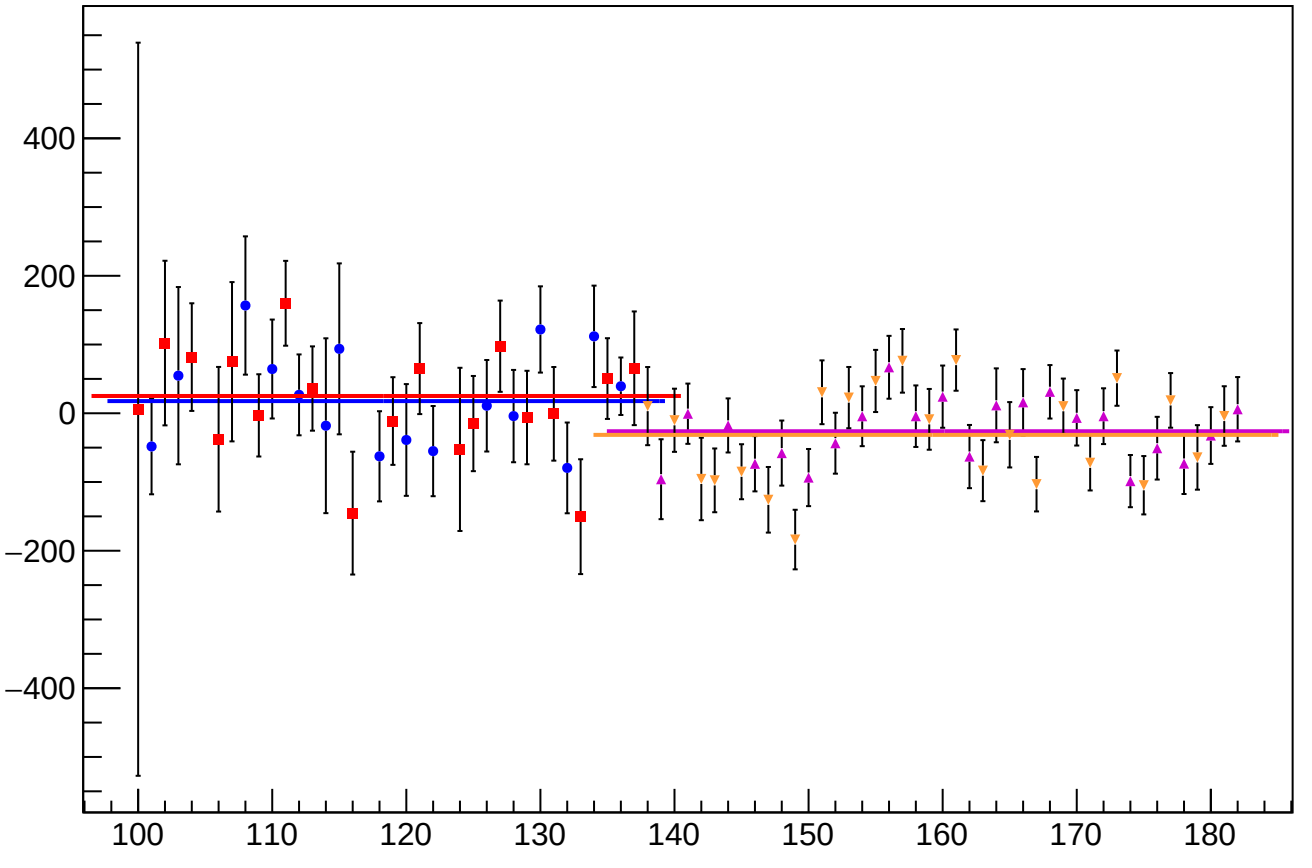
Left: 303.748+/-0.037 χ^2/NDF: 3051304.2/44

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 325.362+/-0.048 χ^2/NDF:3944912.5/37

Out: 329.864+/-0.048 χ^2/NDF:4171306.9/41

All: 327.600+/-0.034 χ^2/NDF: 8120614.2/79



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -31.424+/-9.255 χ^2/NDF:56.3/22

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -26.151+/-9.339 χ^2/NDF:22.5/21

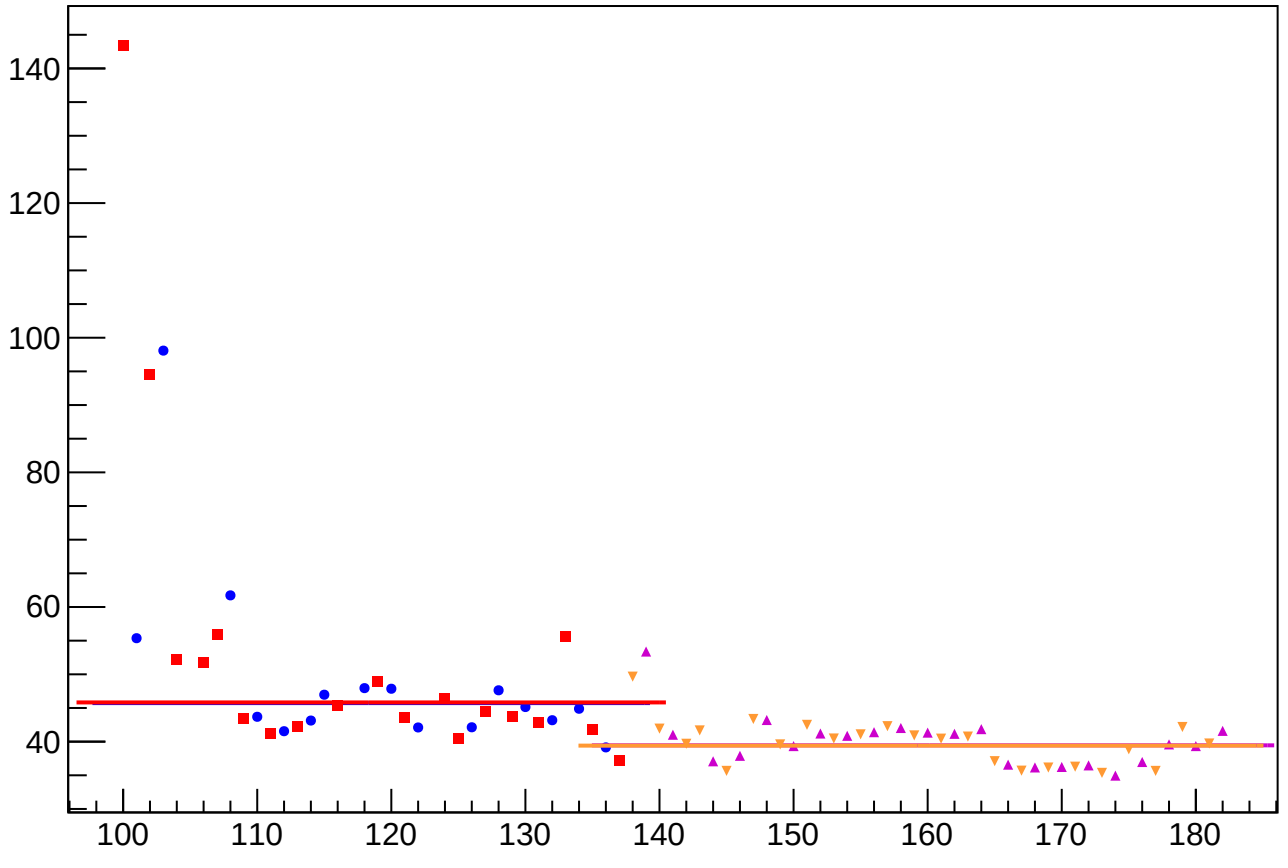
Left: -28.811+/-6.574 χ^2/NDF: 78.9/44

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -16.405+/-8.236 χ^2/NDF:41.3/37

Out: -18.880+/-8.165 χ^2/NDF:82.6/41

All: -17.653+/-5.798 χ^2/NDF: 123.9/79



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.409+/-0.007 χ^2/NDF:225940.4/22

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.451+/-0.007 χ^2/NDF:249226.5/21

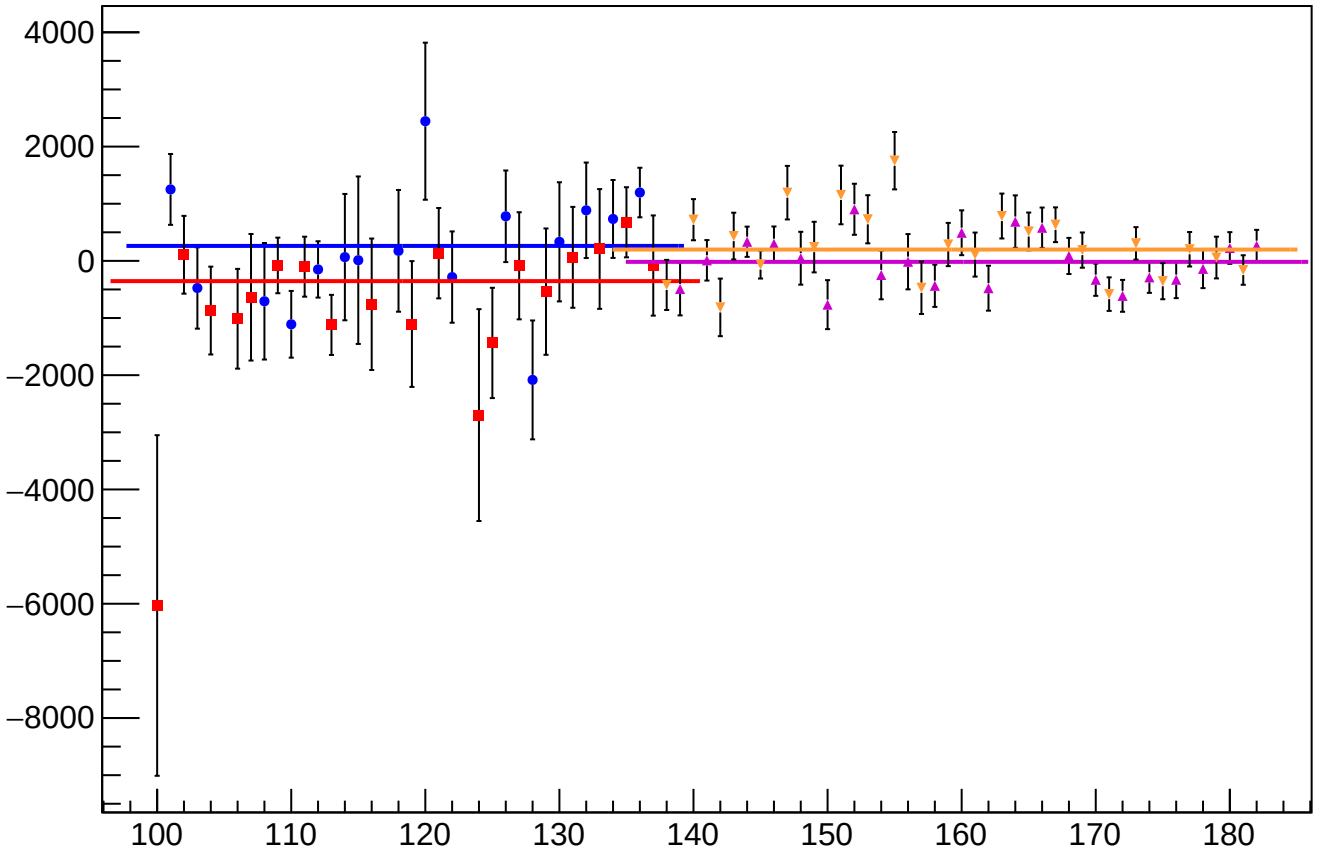
Left: 39.430+/-0.005 χ^2/NDF: 475187.2/44

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.846+/-0.006 χ^2/NDF:951435.3/37

Out: 40.832+/-0.006 χ^2/NDF:977560.7/41

All: 40.839+/-0.004 χ^2/NDF: 1928998.8/79



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 197.857+/-73.433 χ^2/NDF:48.5/22

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -17.234+/-72.745 χ^2/NDF:30.8/21

Left: 89.300+/-51.680 χ^2/NDF: 83.7/44

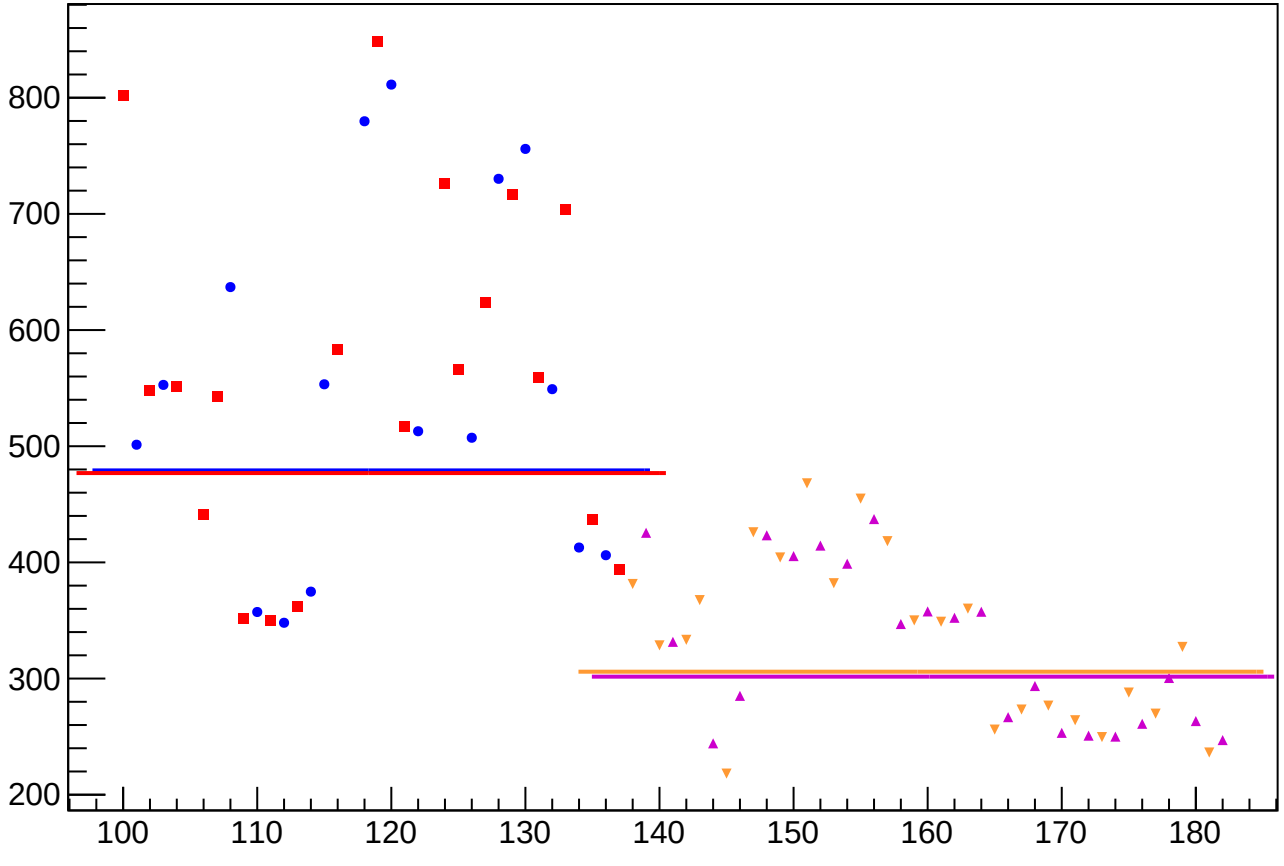
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 20.078+/-67.710 χ^2/NDF:57.7/37

Out: 120.497+/-68.093 χ^2/NDF:71.7/41

All: 70.004+/-48.013 χ^2/NDF: 130.5/79

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: 305.903+/-0.052 χ^2/NDF:1647949.4/22

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 301.633+/-0.051 χ^2/NDF:1399942.5/21

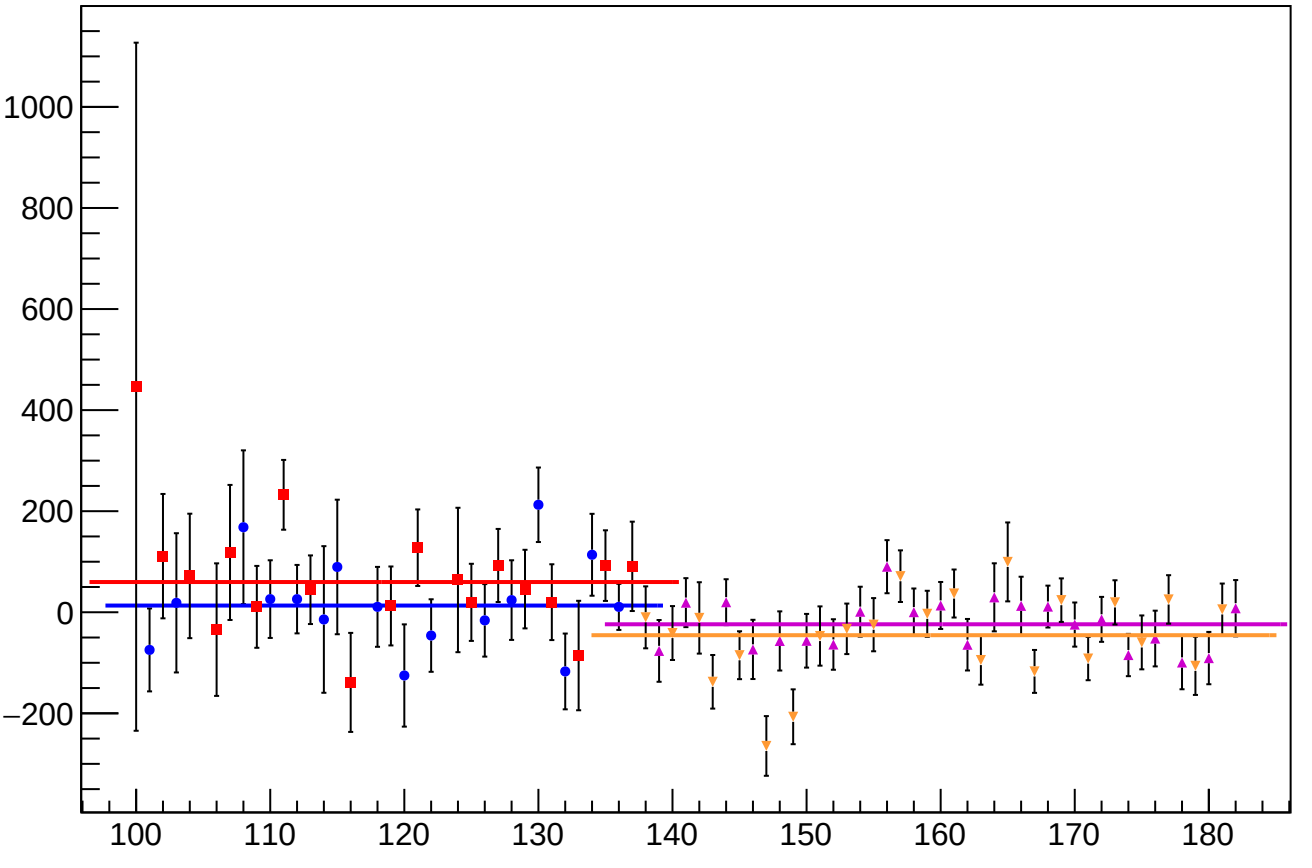
Left: 303.748+/-0.037 χ^2/NDF: 3051304.2/44

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 325.362+/-0.048 χ^2/NDF:3944912.5/37

Out: 329.864+/-0.048 χ^2/NDF:4171306.9/41

All: 327.600+/-0.034 χ^2/NDF: 8120614.2/79



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -45.407+/-10.647 χ^2/NDF:53.9/22

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -23.787+/-10.735 χ^2/NDF:19.2/21

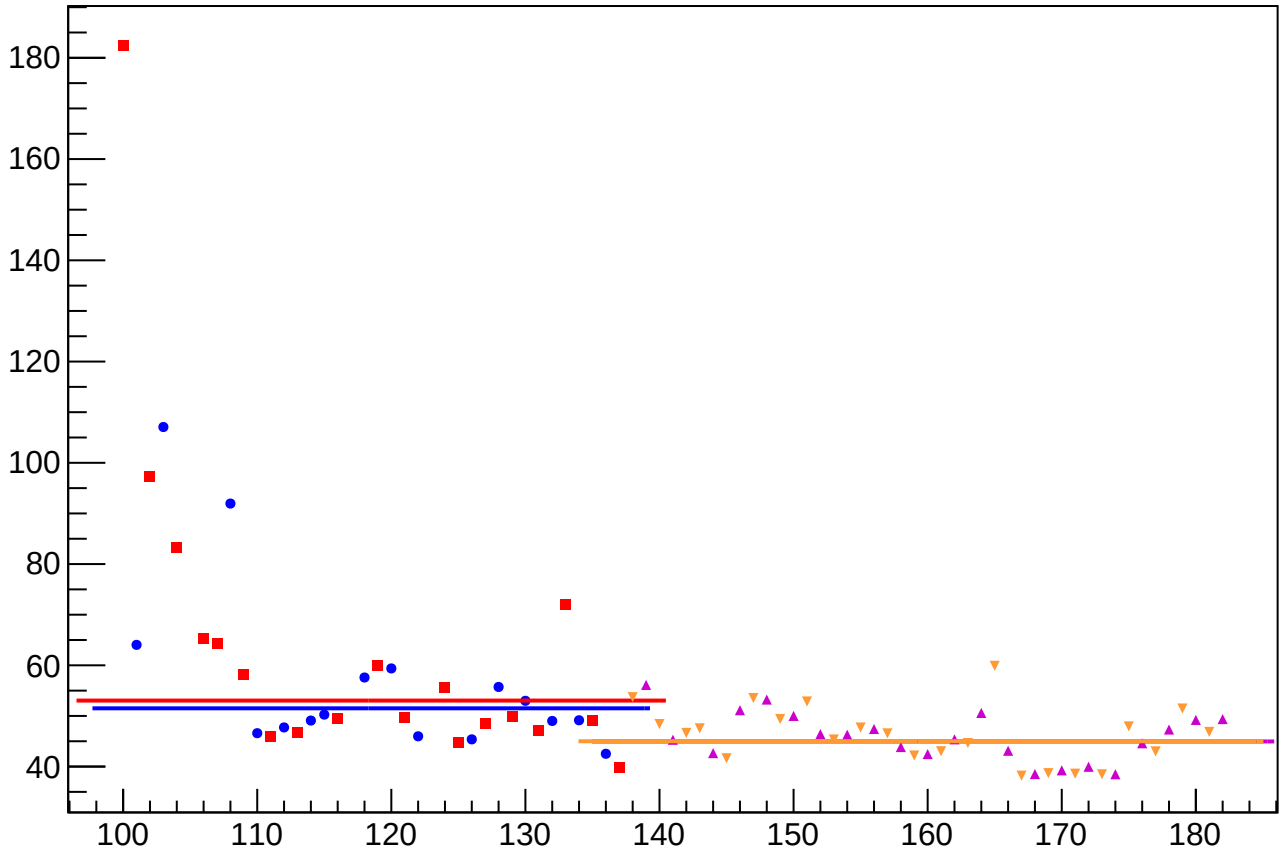
Left: -34.686+/-7.560 χ^2/NDF: 75.1/44

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -15.402+/-9.442 χ^2/NDF:39.1/37

Out: -22.591+/-9.422 χ^2/NDF:91.1/41

All: -19.004+/-6.670 χ^2/NDF: 130.6/79



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 45.001+/-0.008 χ^2/NDF:466875.3/22

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 44.959+/-0.008 χ^2/NDF:368394.1/21

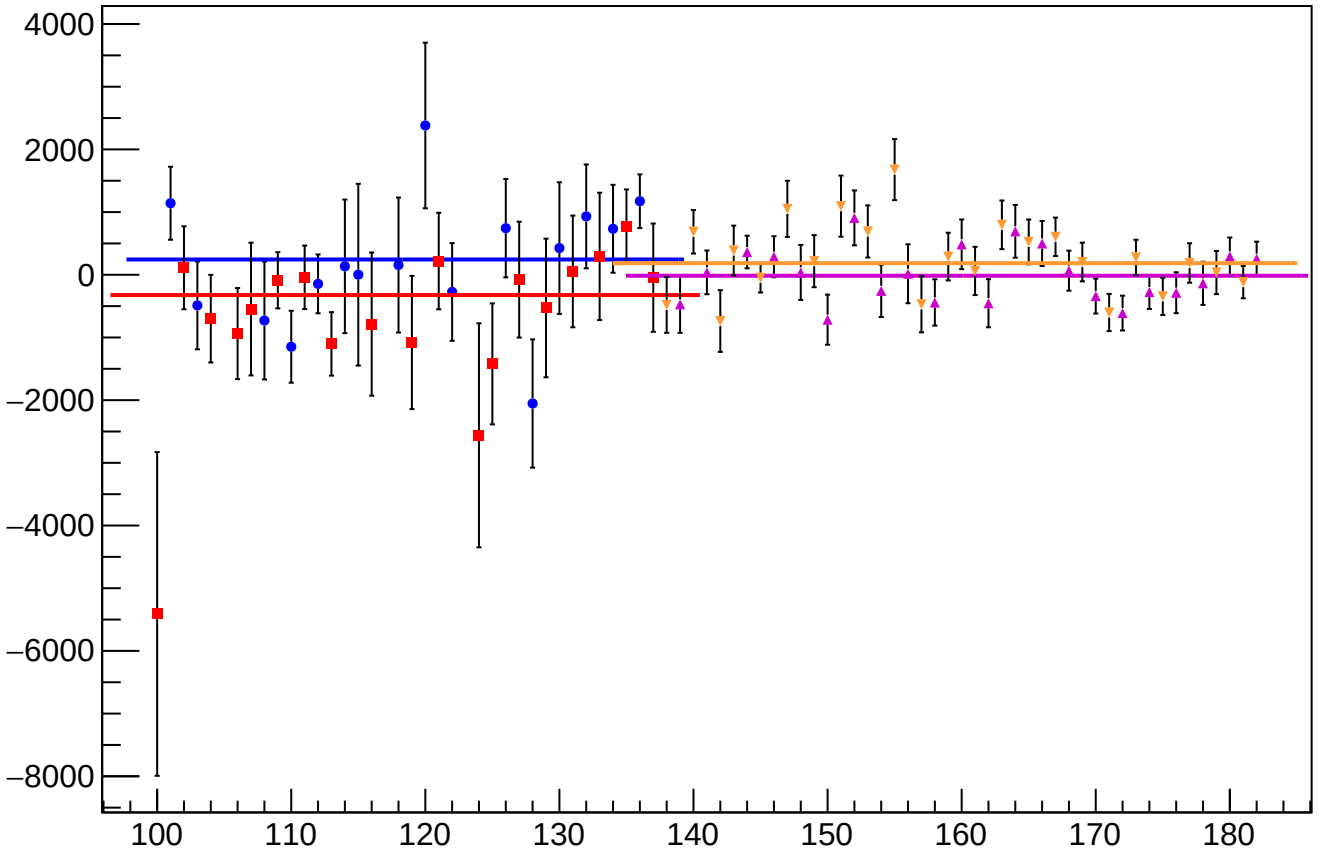
Left: 44.980+/-0.005 χ^2/NDF: 835285.1/44

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 46.440+/-0.007 χ^2/NDF:1203791.0/37

Out: 46.744+/-0.007 χ^2/NDF:1426853.0/41

All: 46.592+/-0.005 χ^2/NDF: 2631680.0/79



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 185.391+/-72.540 χ^2/NDF:46.7/22

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: -15.067+/-72.589 χ^2/NDF:30.8/21

Left: 85.231+/-51.311 χ^2/NDF: 81.3/44

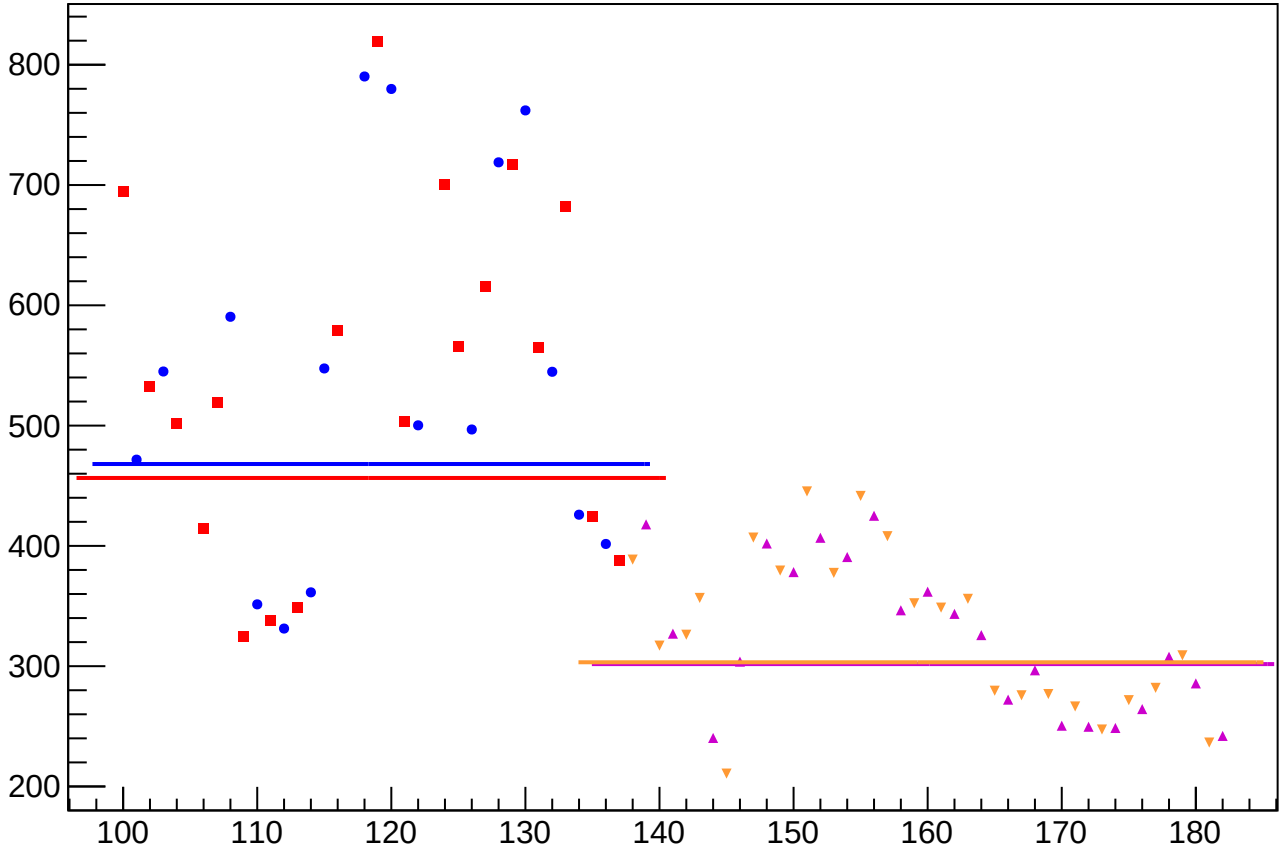
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 20.848+/-67.367 χ^2/NDF:58.2/37

Out: 109.749+/-66.933 χ^2/NDF:70.5/41

All: 65.585+/-47.481 χ^2/NDF: 129.5/79

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 303.249+/-0.051 χ^2/NDF:1517831.4/22

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 301.731+/-0.051 χ^2/NDF:1237020.2/21

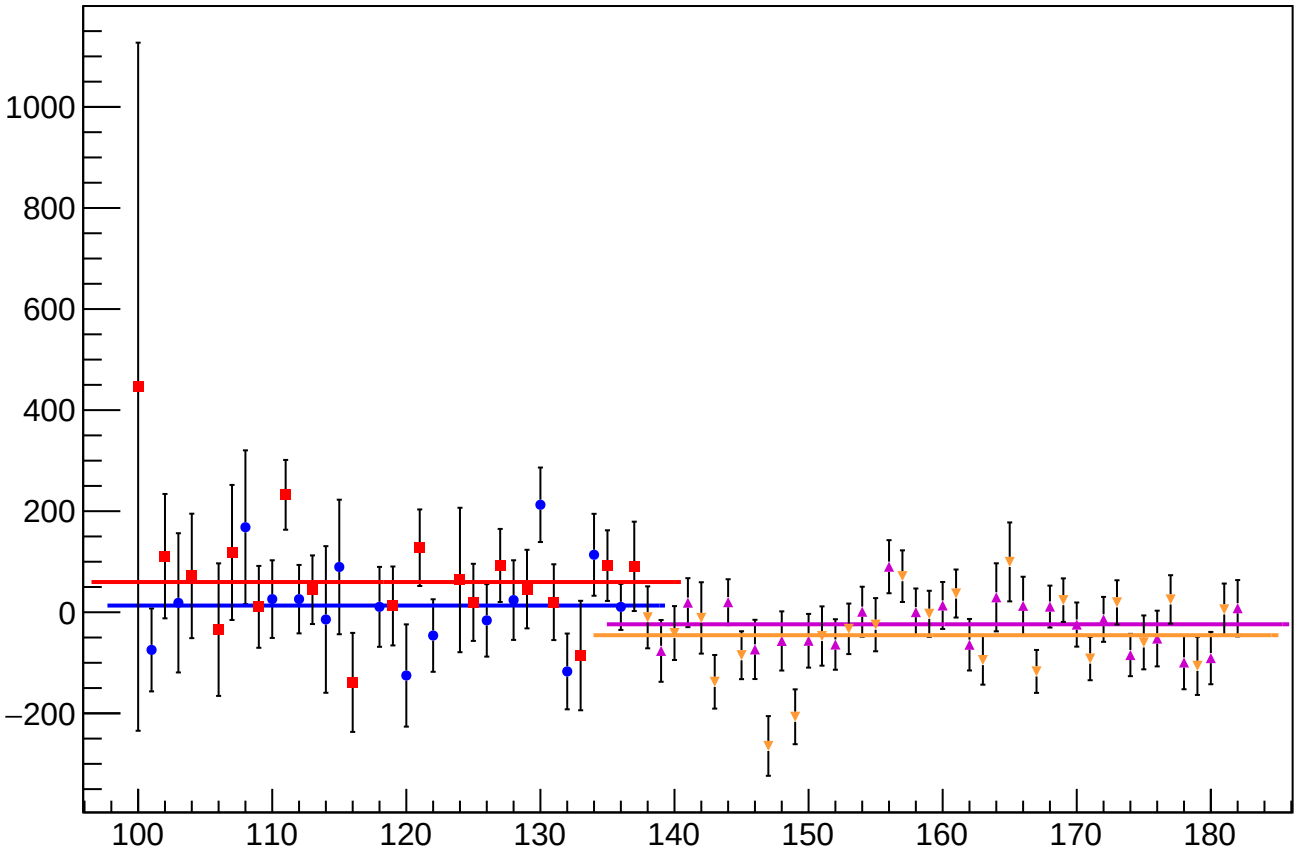
Left: 302.490+/-0.036 χ^2/NDF: 2755289.5/44

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 324.805+/-0.048 χ^2/NDF:3676730.0/37

Out: 326.018+/-0.047 χ^2/NDF:3926358.9/41

All: 325.415+/-0.034 χ^2/NDF: 7603415.1/79



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -45.408+/-10.647 χ^2/NDF:53.9/22

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -23.787+/-10.735 χ^2/NDF:19.2/21

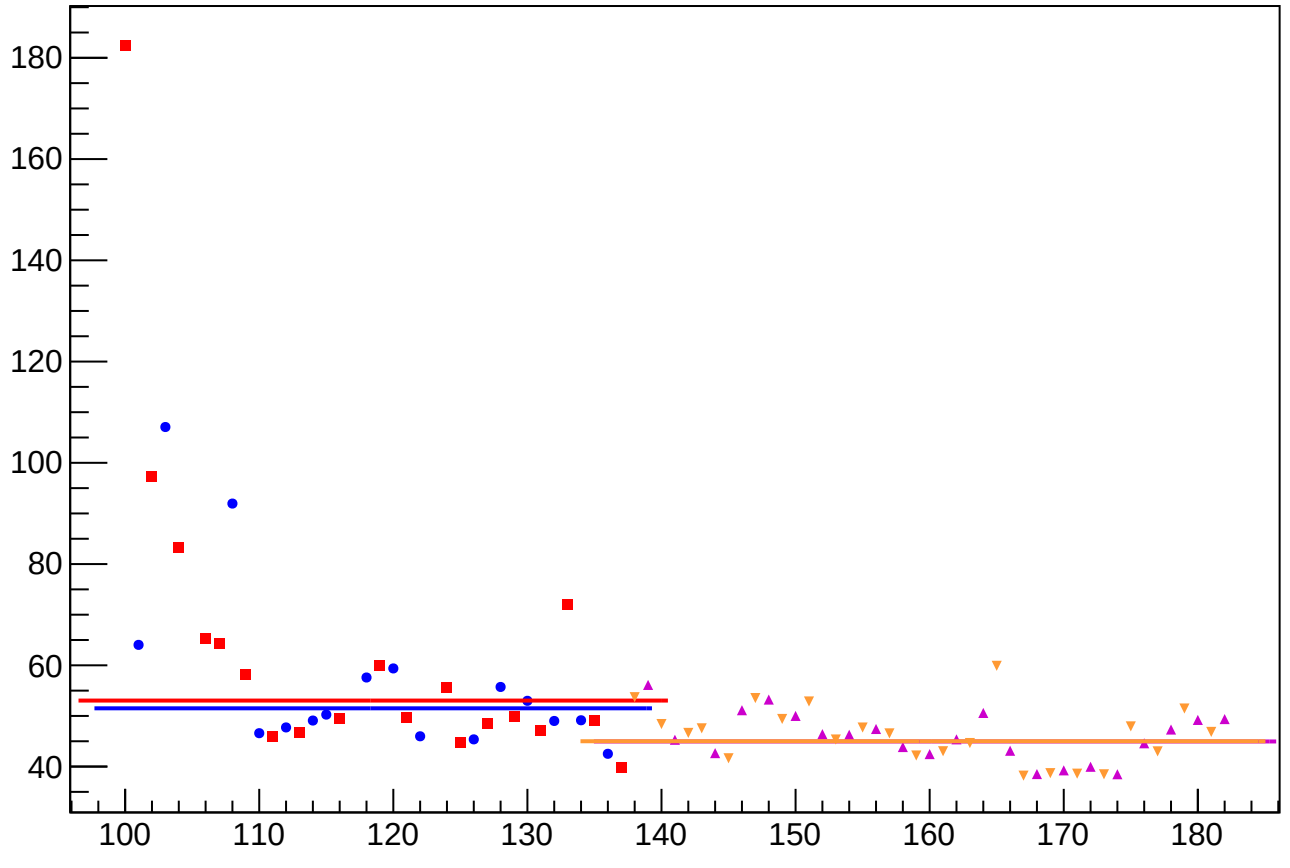
Left: -34.686+/-7.560 χ^2/NDF: 75.1/44

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -15.402+/-9.442 χ^2/NDF:39.1/37

Out: -22.590+/-9.422 χ^2/NDF:91.1/41

All: -19.004+/-6.670 χ^2/NDF: 130.6/79



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 45.001+/-0.008 χ^2/NDF:466875.7/22

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 44.959+/-0.008 χ^2/NDF:368395.7/21

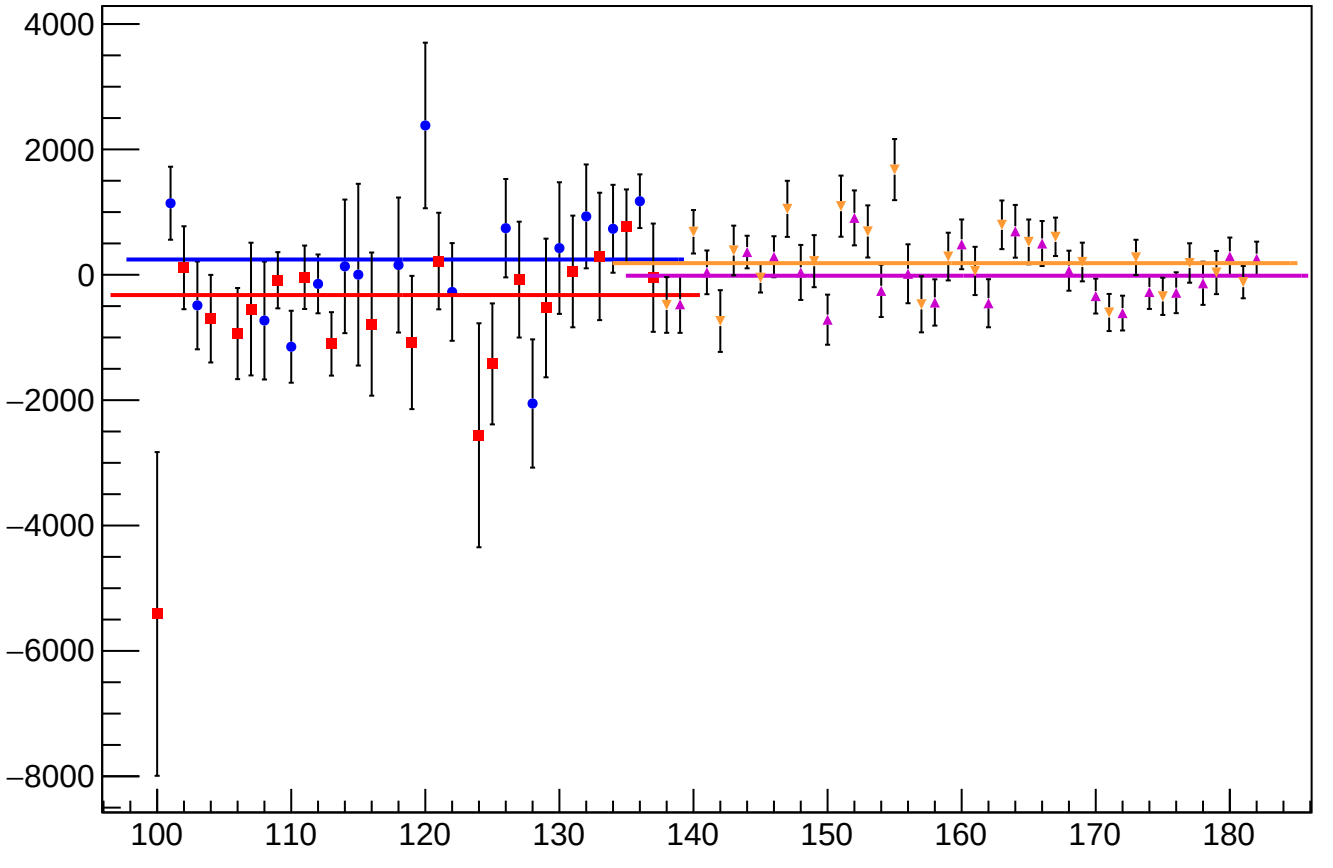
Left: 44.980+/-0.005 χ^2/NDF: 835287.1/44

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 46.440+/-0.007 χ^2/NDF:1203796.8/37

Out: 46.744+/-0.007 χ^2/NDF:1426865.3/41

All: 46.592+/-0.005 χ^2/NDF: 2631697.9/79



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 185.391+/-72.540 χ^2/NDF:46.7/22

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -15.066+/-72.589 χ^2/NDF:30.8/21

Left: 85.231+/-51.311 χ^2/NDF: 81.3/44

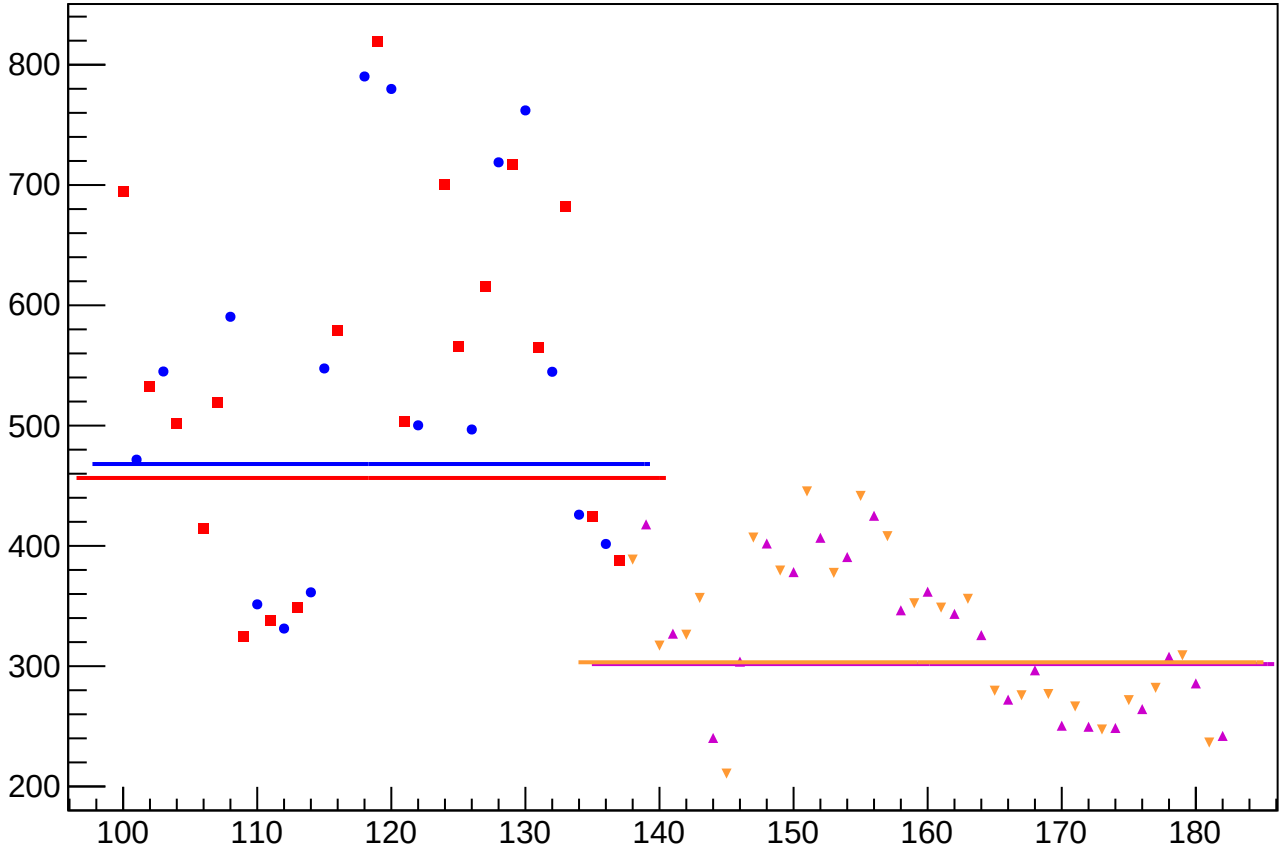
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 20.848+/-67.367 χ^2/NDF:58.2/37

Out: 109.749+/-66.933 χ^2/NDF:70.5/41

All: 65.586+/-47.481 χ^2/NDF: 129.5/79

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: 303.249+/-0.051 χ^2/NDF:1517832.5/22

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 301.731+/-0.051 χ^2/NDF:1237014.9/21

Left: 302.491+/-0.036 χ^2/NDF: 2755285.1/44

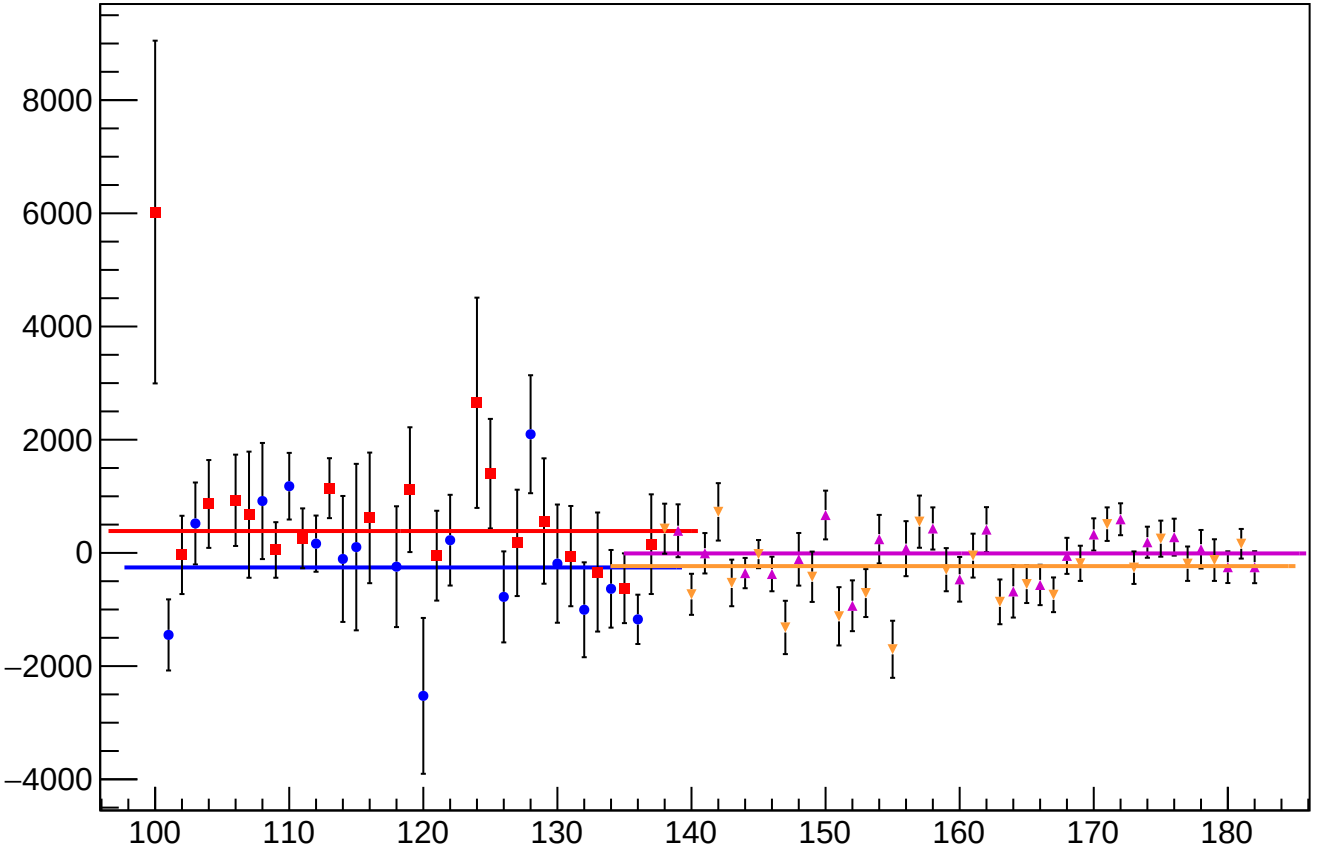
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 324.805+/-0.048 χ^2/NDF:3676707.9/37

Out: 326.018+/-0.047 χ^2/NDF:3926343.8/41

All: 325.415+/-0.034 χ^2/NDF: 7603377.7/79

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -233.357+/-74.083 χ^2/NDF:47.5/22

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -9.129+/-73.409 χ^2/NDF:28.2/21

Left: -120.217+/-52.145 χ^2/NDF: 80.3/44

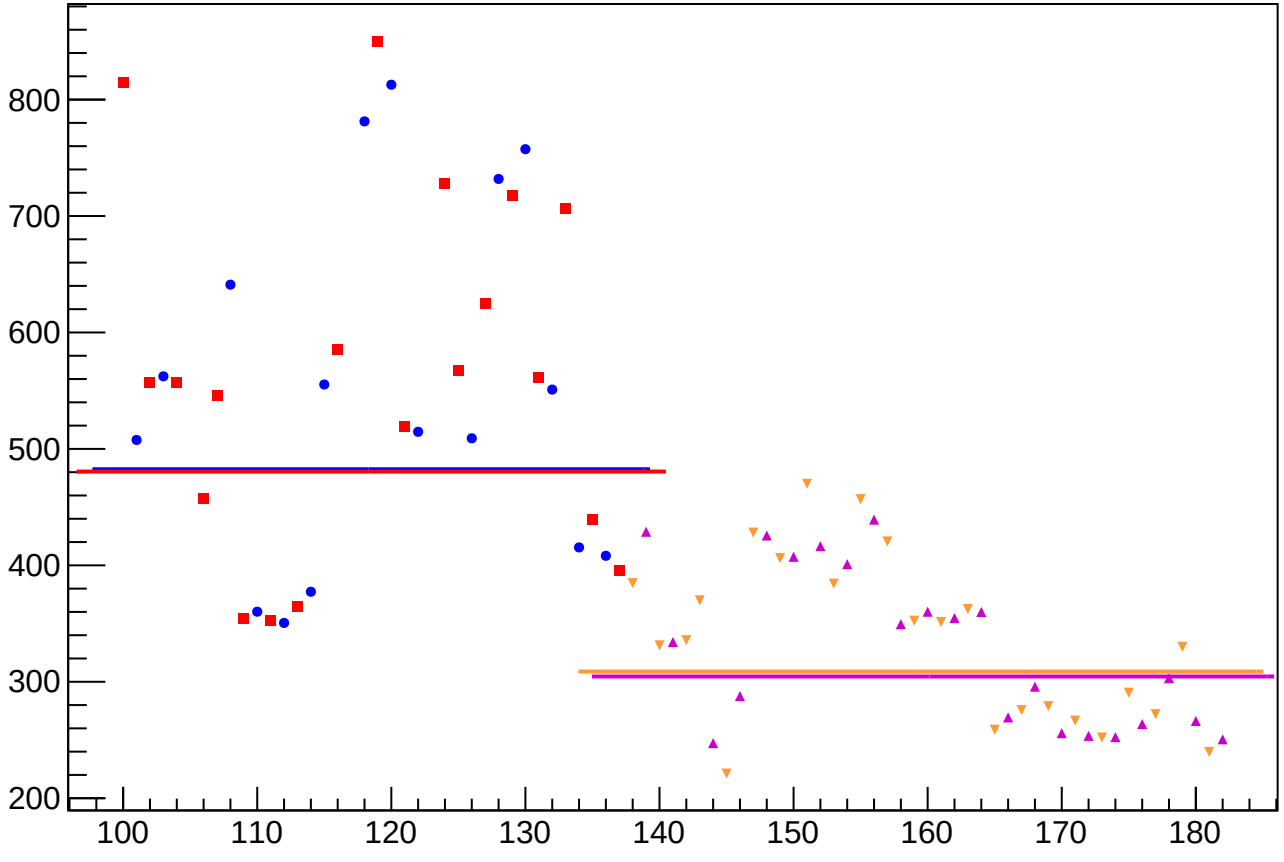
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -42.358+/-68.306 χ^2/NDF:56.7/37

Out: -145.559+/-68.636 χ^2/NDF:71.6/41

All: -93.710+/-48.416 χ^2/NDF: 129.4/79

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 308.795+/-0.052 χ^2/NDF:1611061.3/22

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 304.545+/-0.052 χ^2/NDF:1369378.0/21

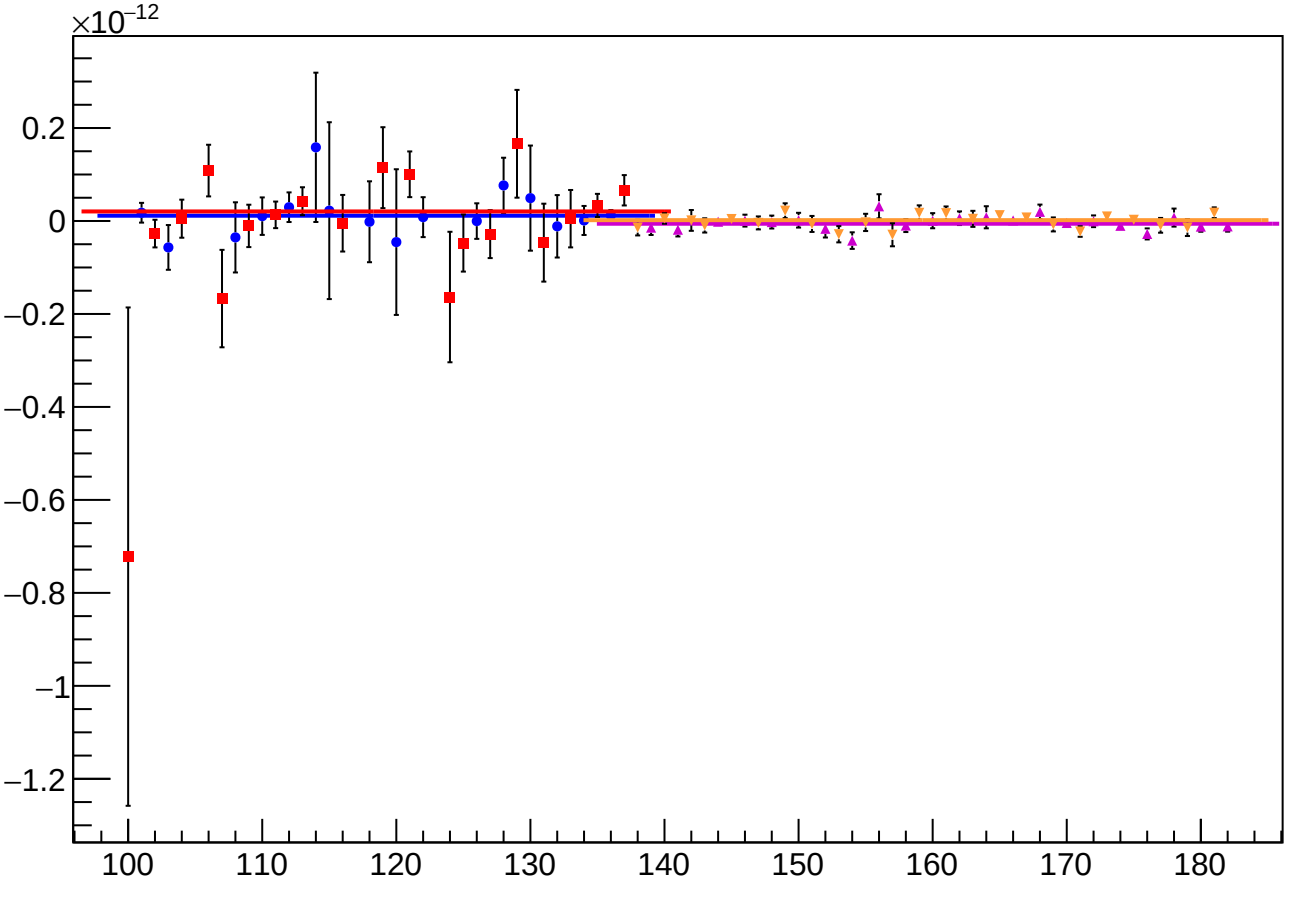
Left: 306.650+/-0.037 χ^2/NDF: 2983760.5/44

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 328.427+/-0.048 χ^2/NDF:3893344.9/37

Out: 333.126+/-0.049 χ^2/NDF:4127810.9/41

All: 330.765+/-0.034 χ^2/NDF: 8025865.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:17.6/21

Left: -0.000+/-0.000 χ^2/NDF: 41.9/44

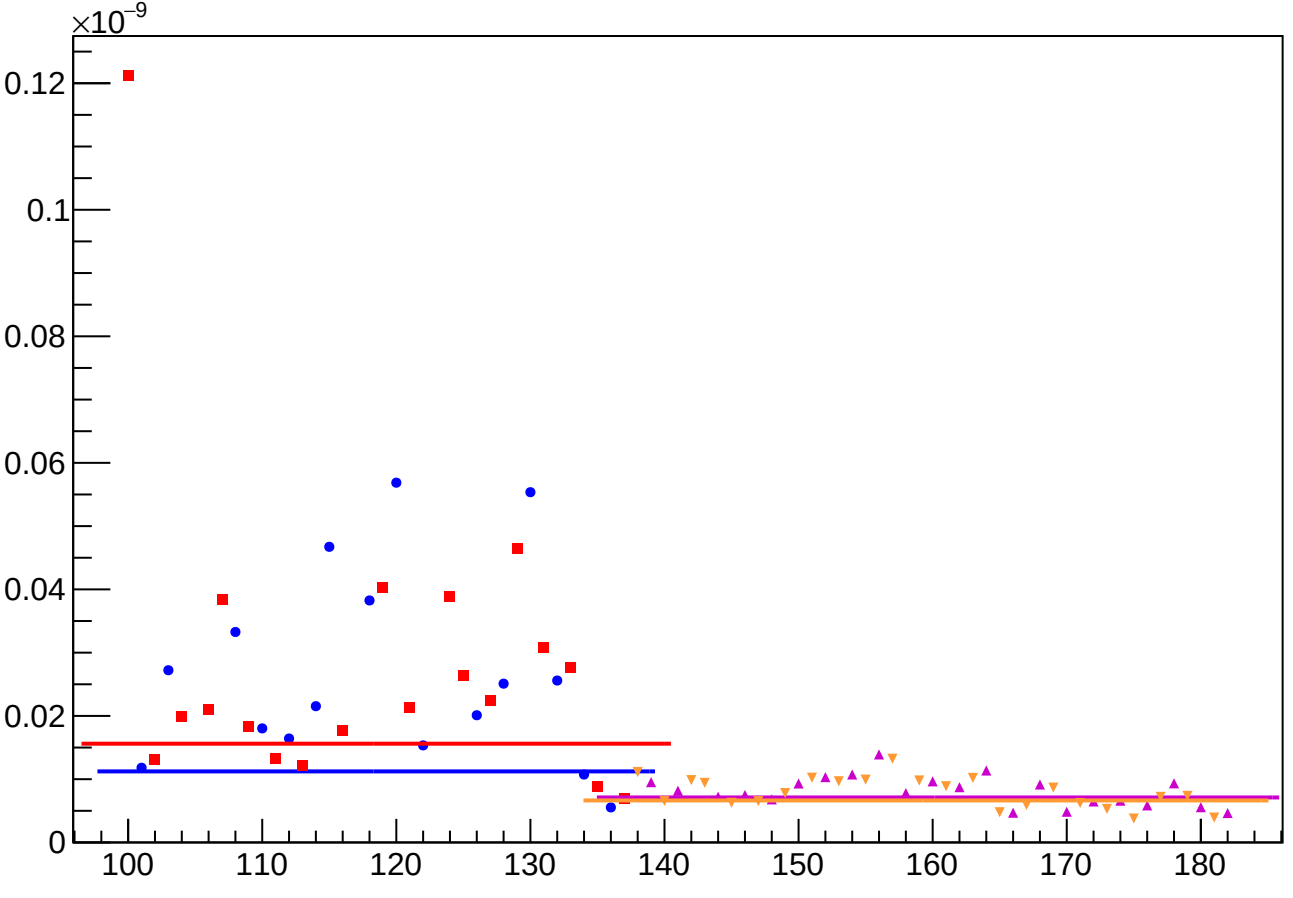
Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:27.2/37

Out: 0.000+/-0.000 χ^2/NDF:47.4/41

All: -0.000+/-0.000 χ^2/NDF: 78.0/79

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1446724.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:976178.0/21

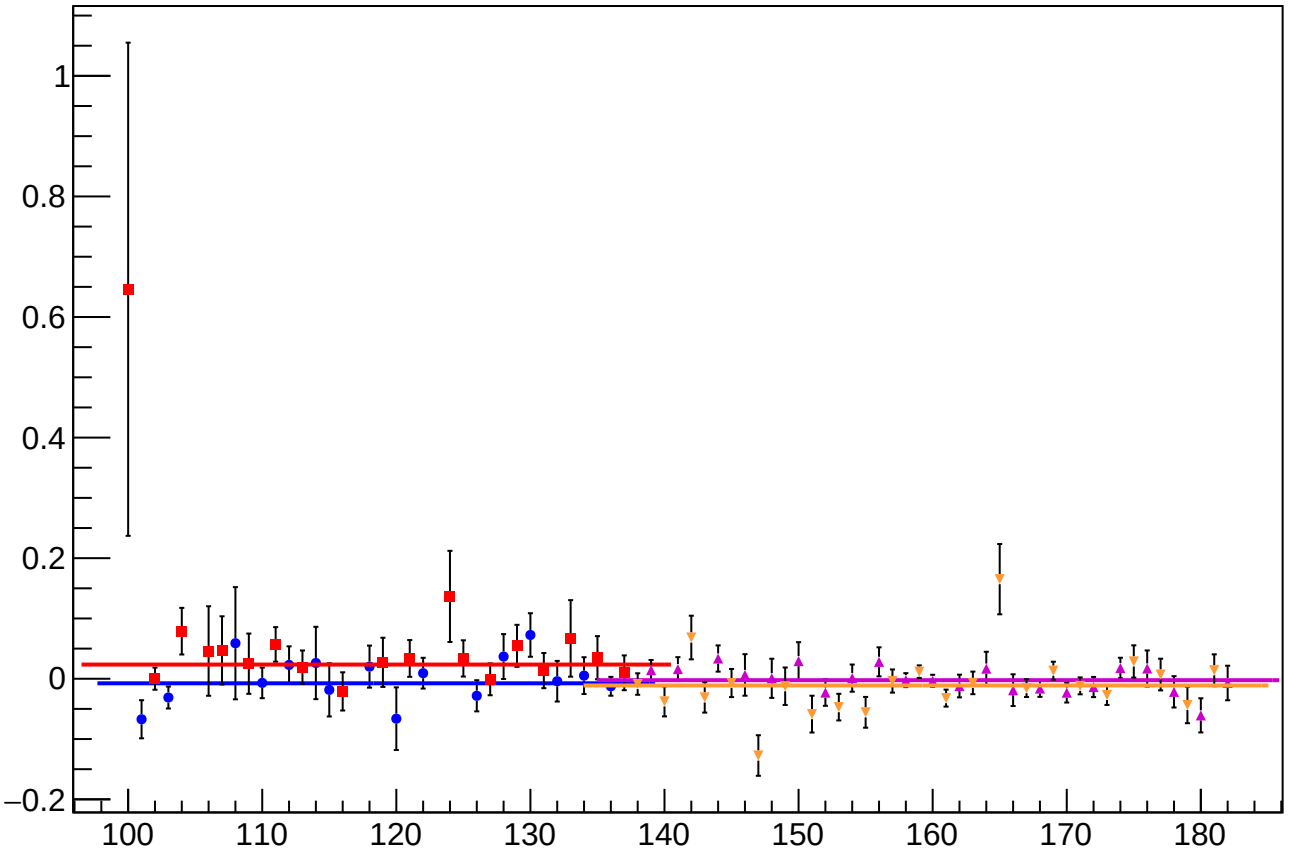
Left: 0.000+/-0.000 χ^2/NDF: 2452067.5/44

Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:3549936.6/37

Out: 0.000+/-0.000 χ^2/NDF:4062904.0/41

All: 0.000+/-0.000 χ^2/NDF: 7632009.1/79



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:51.4/22

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.002+/-0.004 χ^2/NDF:19.0/21

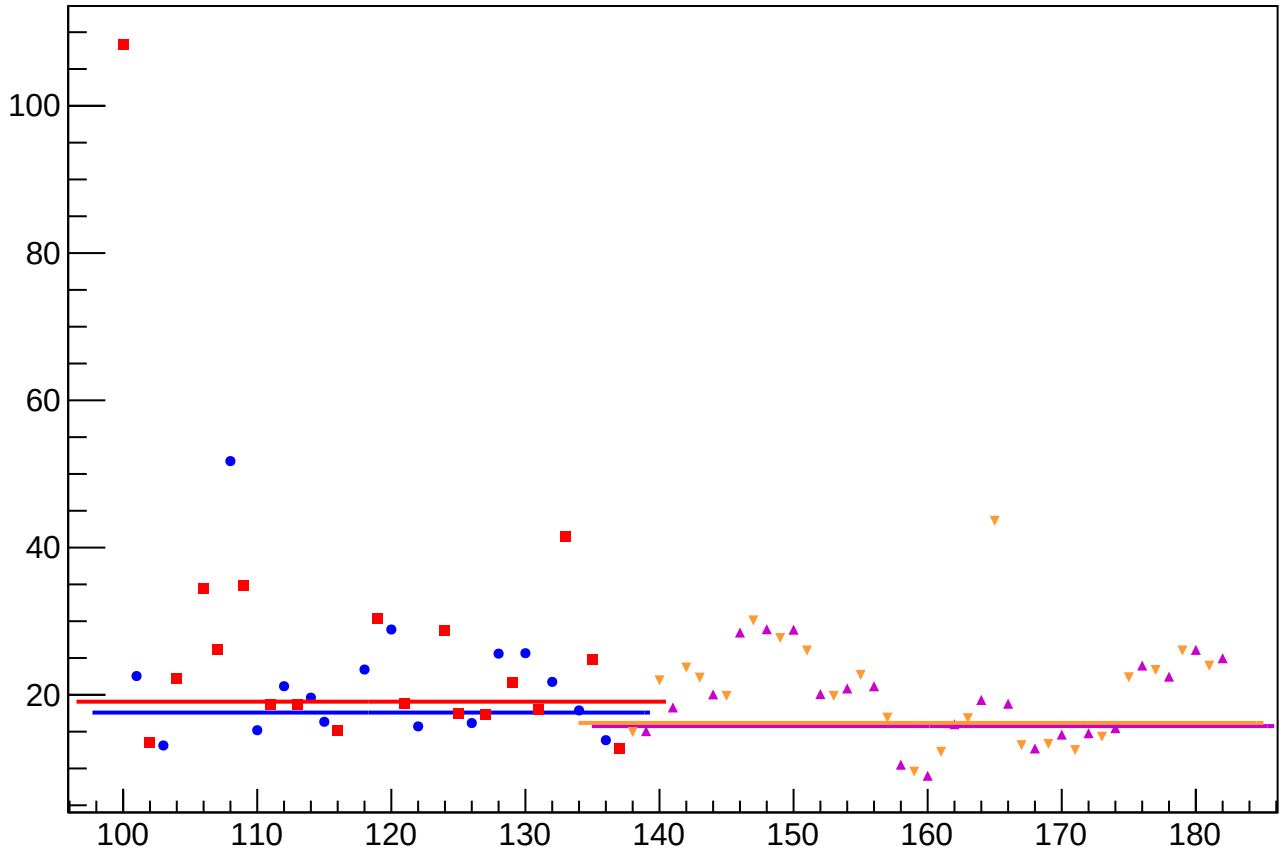
Left: -0.007+/-0.003 χ^2/NDF: 72.7/44

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.1/37

Out: -0.003+/-0.004 χ^2/NDF:81.7/41

All: -0.004+/-0.003 χ^2/NDF: 117.8/79



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.187+/-0.003 χ^2/NDF:3750623.4/22

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.759+/-0.003 χ^2/NDF:3594006.0/21

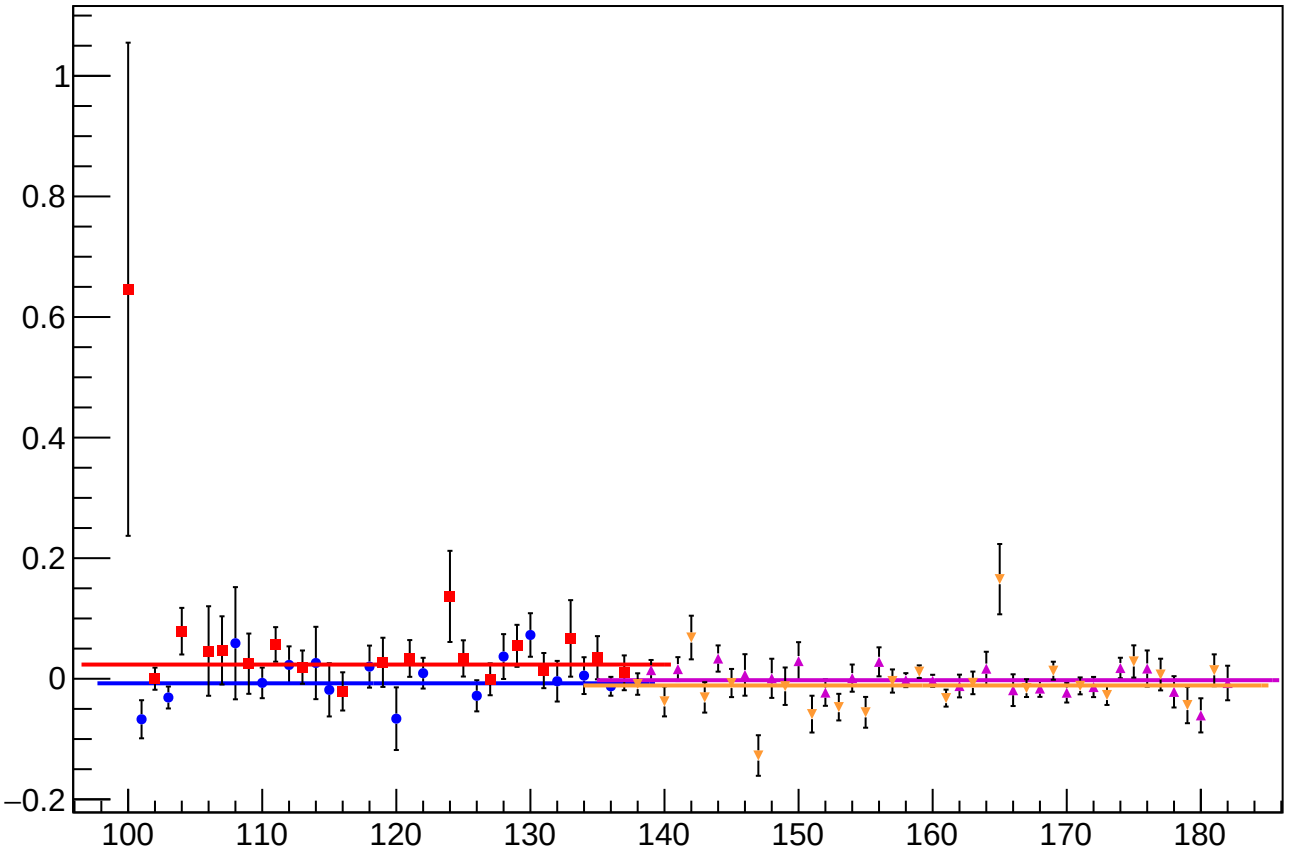
Left: 15.969+/-0.002 χ^2/NDF: 7355592.6/44

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 16.200+/-0.002 χ^2/NDF:4685590.4/37

Out: 16.825+/-0.003 χ^2/NDF:5214796.1/41

All: 16.503+/-0.002 χ^2/NDF: 9930716.9/79



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:51.4/22

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.002+/-0.004 χ^2/NDF:19.0/21

Left: -0.007+/-0.003 χ^2/NDF: 72.7/44

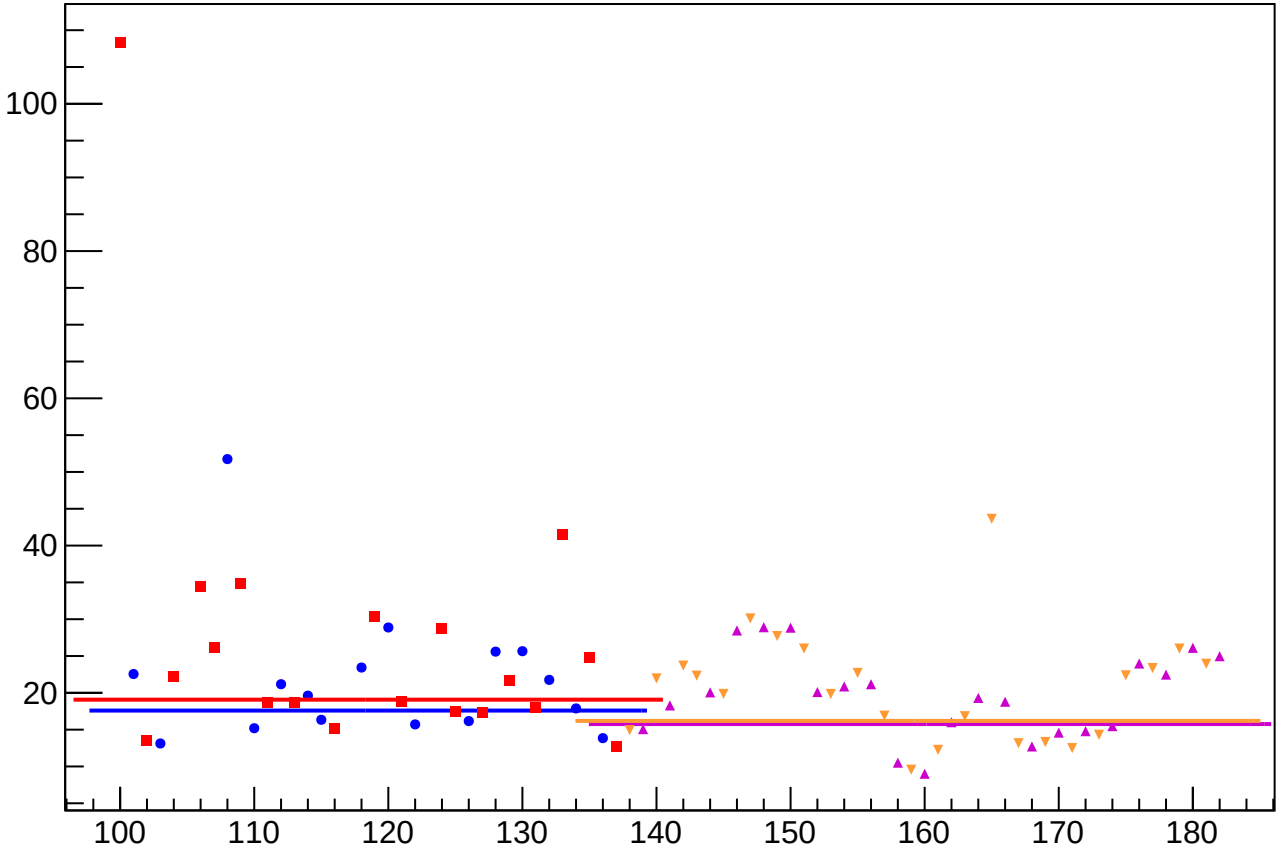
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.1/37

Out: -0.003+/-0.004 χ^2/NDF:81.7/41

All: -0.004+/-0.003 χ^2/NDF: 117.8/79

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: 16.187+/-0.003 χ^2/NDF:3750623.4/22

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.759+/-0.003 χ^2/NDF:3594006.0/21

Left: 15.969+/-0.002 χ^2/NDF: 7355592.6/44

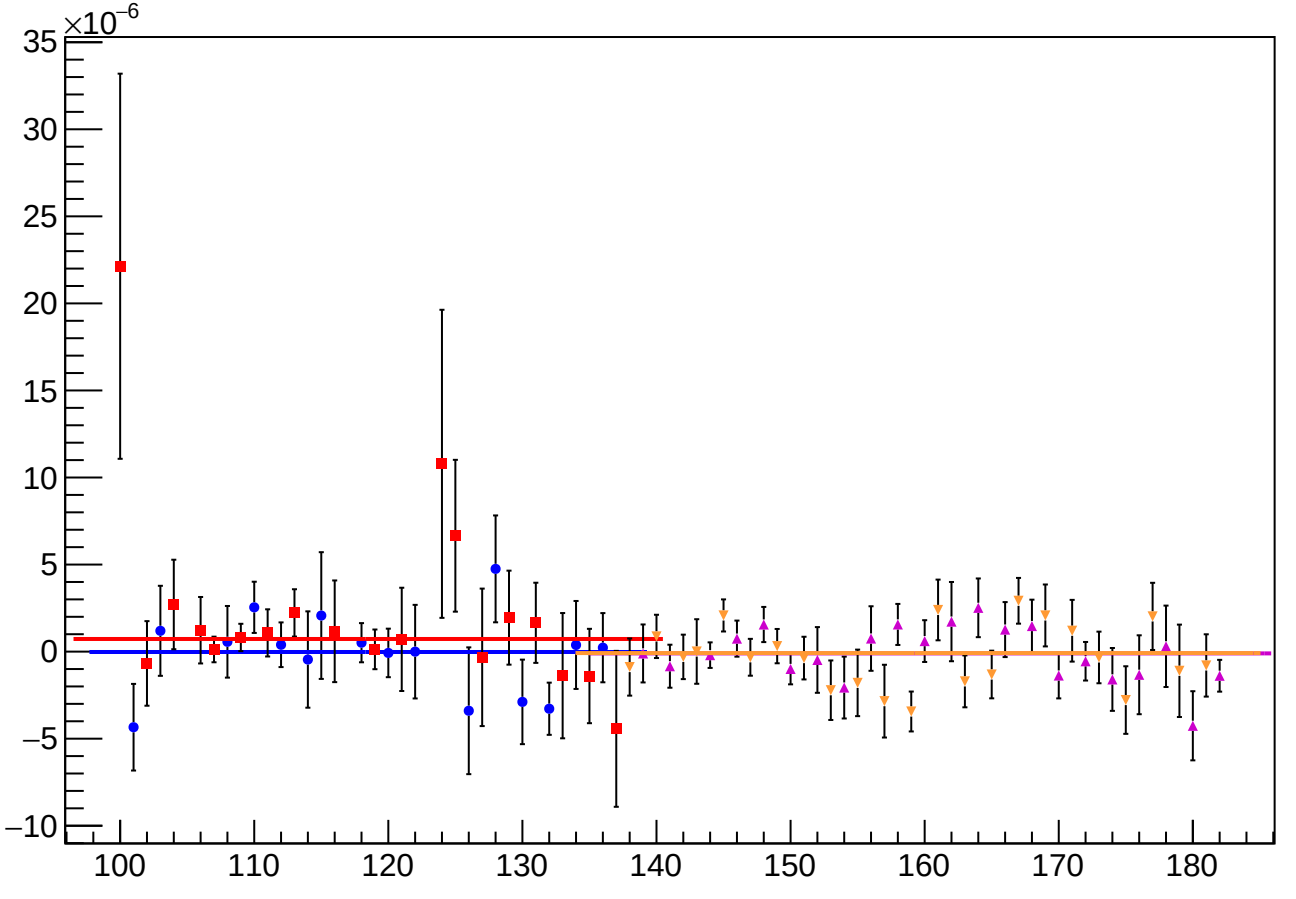
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 16.200+/-0.002 χ^2/NDF:4685590.4/37

Out: 16.825+/-0.003 χ^2/NDF:5214796.1/41

All: 16.503+/-0.002 χ^2/NDF: 9930716.9/79

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/21

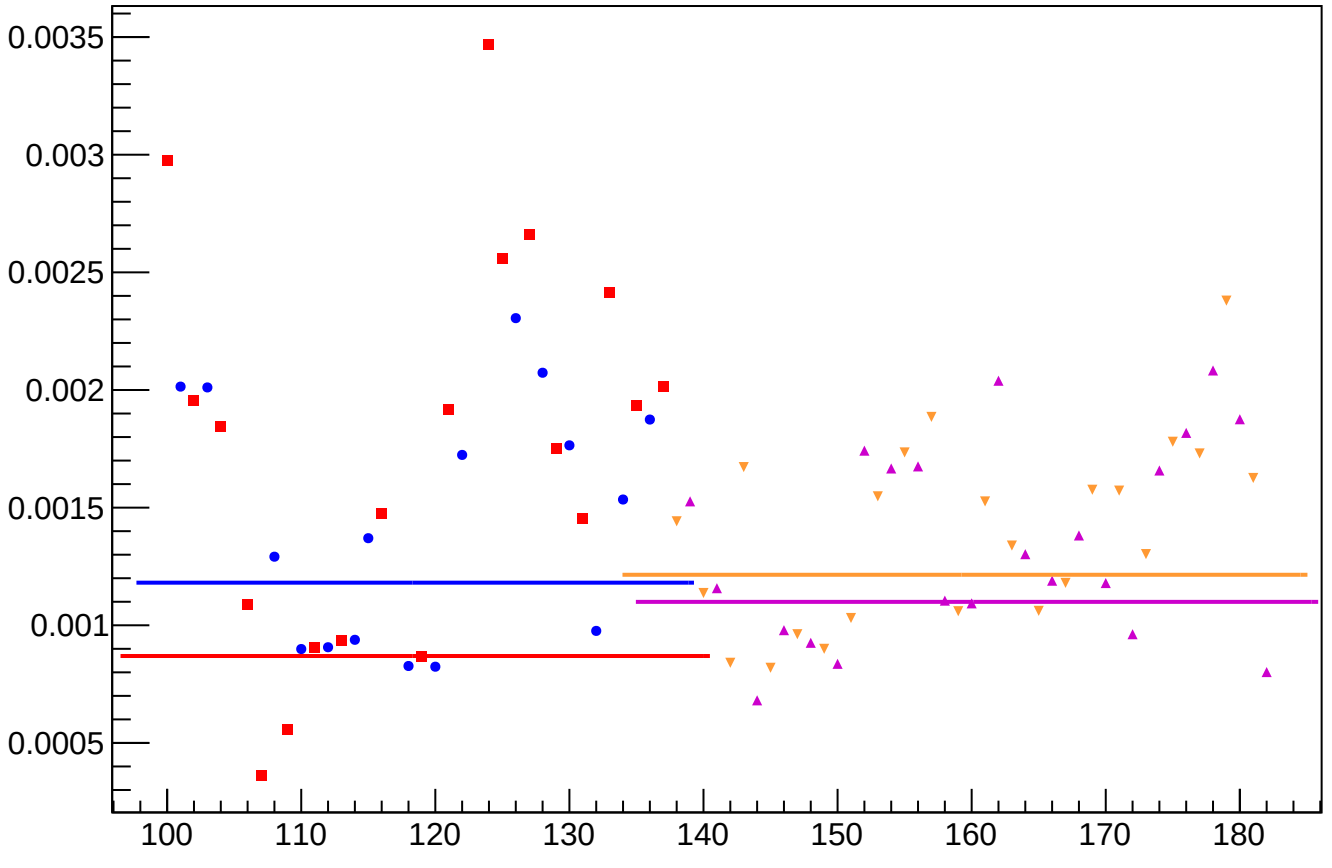
Left: -0.000+/-0.000 χ^2/NDF: 56.0/44

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:38.4/37

Out: 0.000+/-0.000 χ^2/NDF:49.7/41

All: 0.000+/-0.000 χ^2/NDF: 89.0/79



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2617151.7/22

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:3428388.9/21

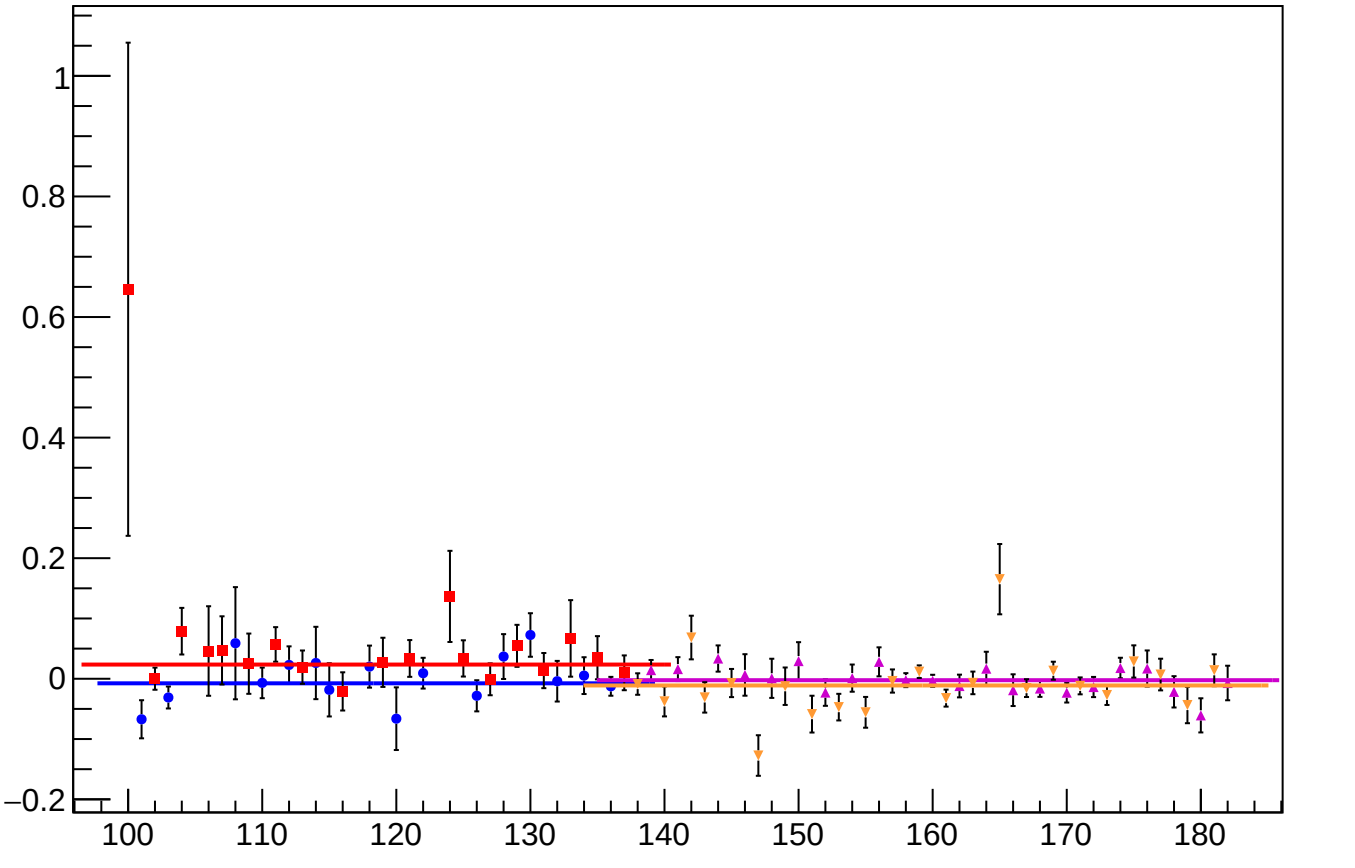
Left: 0.001+/-0.000 χ^2/NDF: 6207264.3/44

Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:5301249.6/37

Out: 0.001+/-0.000 χ^2/NDF:8071125.9/41

All: 0.001+/-0.000 χ^2/NDF: 13396029.4/79



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:51.4/22

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.002+/-0.004 χ^2/NDF:19.0/21

Left: -0.007+/-0.003 χ^2/NDF: 72.7/44

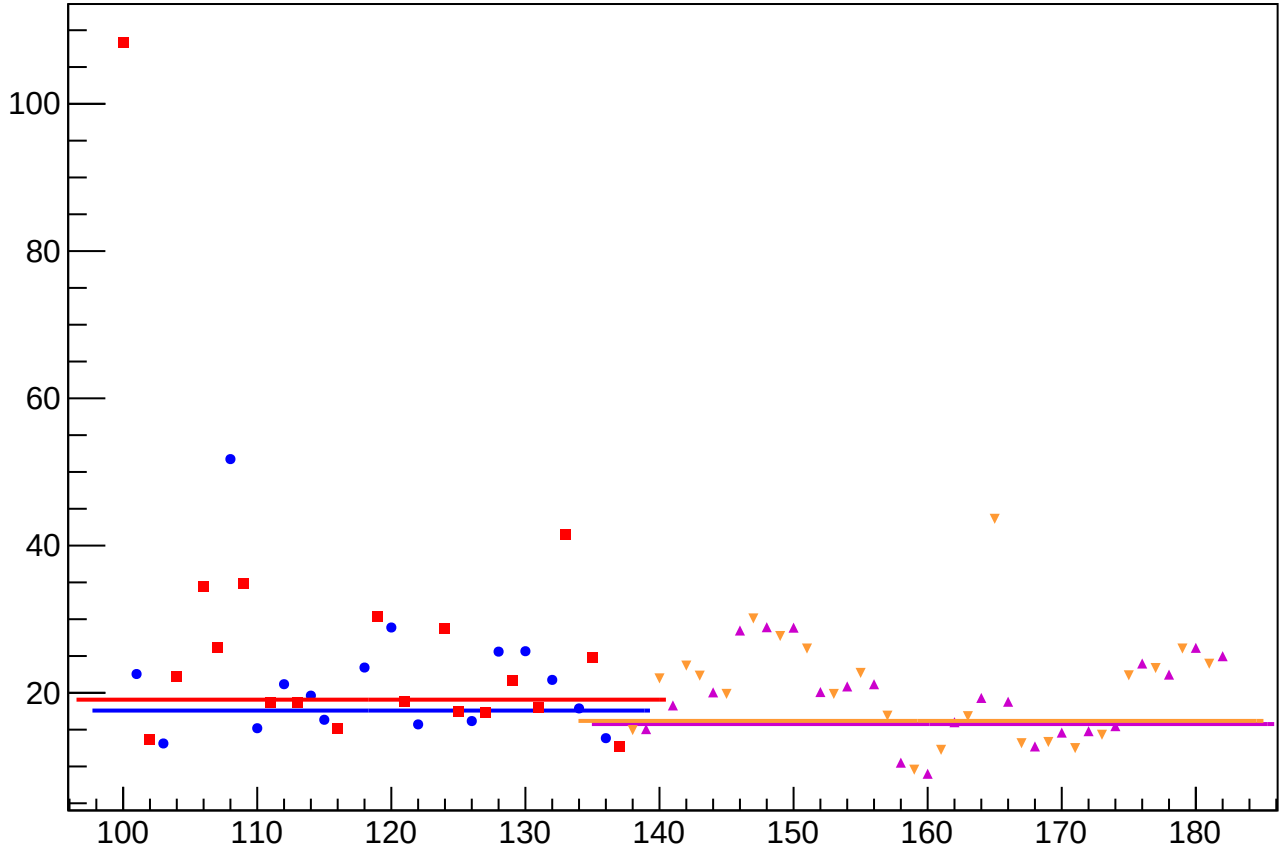
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.1/37

Out: -0.003+/-0.004 χ^2/NDF:81.7/41

All: -0.004+/-0.003 χ^2/NDF: 117.8/79

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: 16.187+/-0.003 χ^2/NDF:3750873.1/22

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.758+/-0.003 χ^2/NDF:3594372.5/21

Left: 15.969+/-0.002 χ^2/NDF: 7356212.1/44

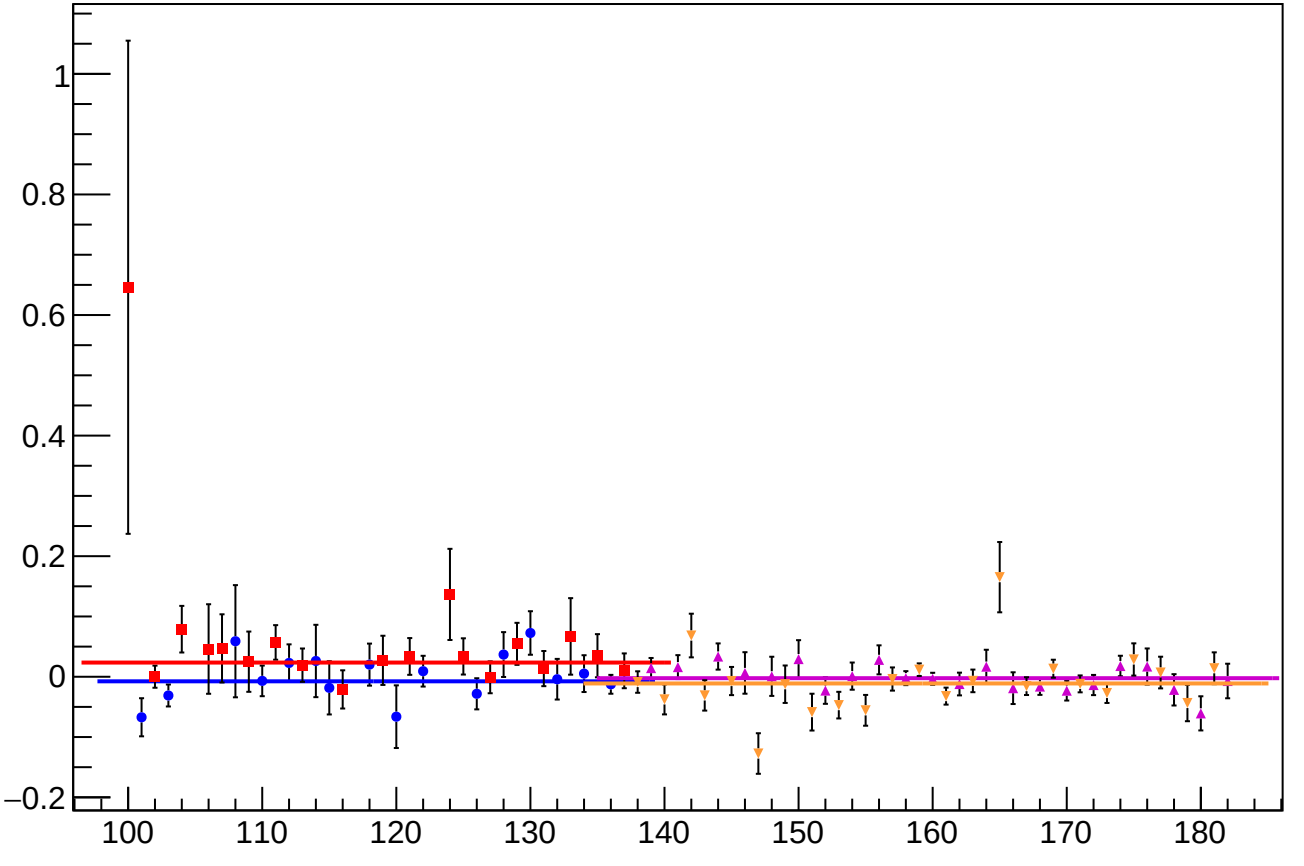
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 16.200+/-0.002 χ^2/NDF:4686030.2/37

Out: 16.825+/-0.003 χ^2/NDF:5215046.8/41

All: 16.503+/-0.002 χ^2/NDF: 9931416.5/79

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: -0.011+/-0.004 χ^2/NDF:51.4/22

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.002+/-0.004 χ^2/NDF:19.0/21

Left: -0.007+/-0.003 χ^2/NDF: 72.7/44

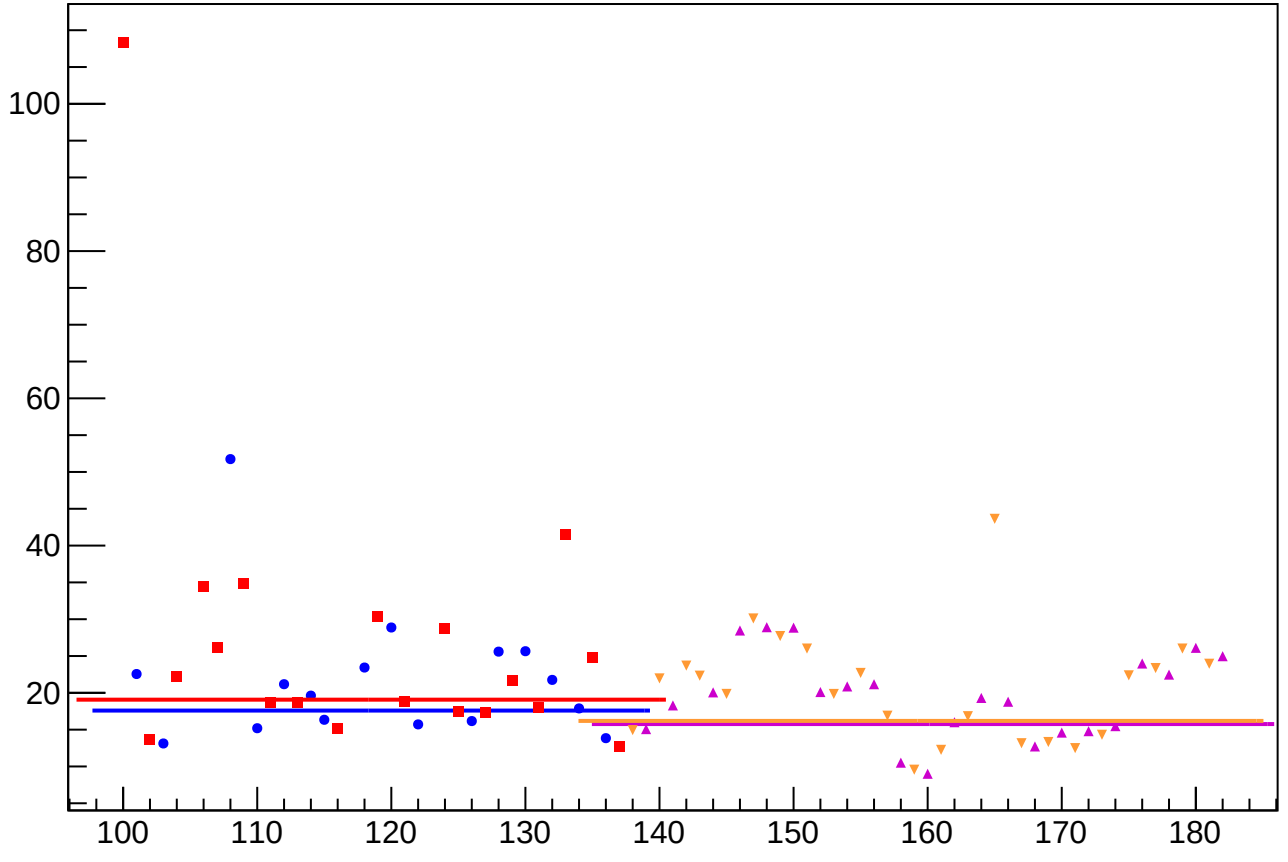
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.1/37

Out: -0.003+/-0.004 χ^2/NDF:81.7/41

All: -0.004+/-0.003 χ^2/NDF: 117.8/79

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: 16.187+/-0.003 χ^2/NDF:3750873.1/22

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.758+/-0.003 χ^2/NDF:3594372.5/21

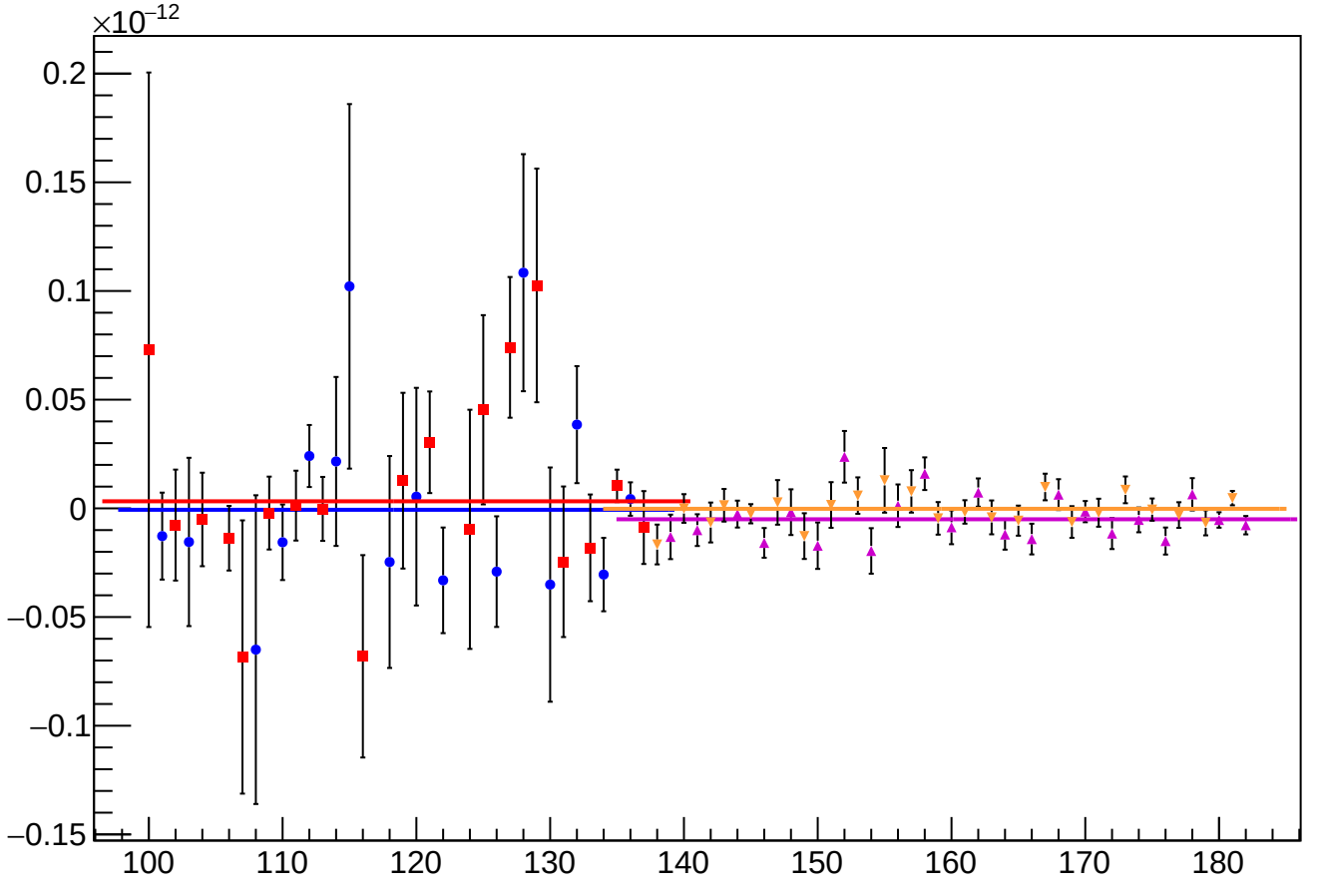
Left: 15.969+/-0.002 χ^2/NDF: 7356212.1/44

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 16.200+/-0.002 χ^2/NDF:4686030.2/37

Out: 16.825+/-0.003 χ^2/NDF:5215046.8/41

All: 16.503+/-0.002 χ^2/NDF: 9931416.5/79



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:37.0/21

Left: -0.000+/-0.000 χ^2/NDF: 61.1/44

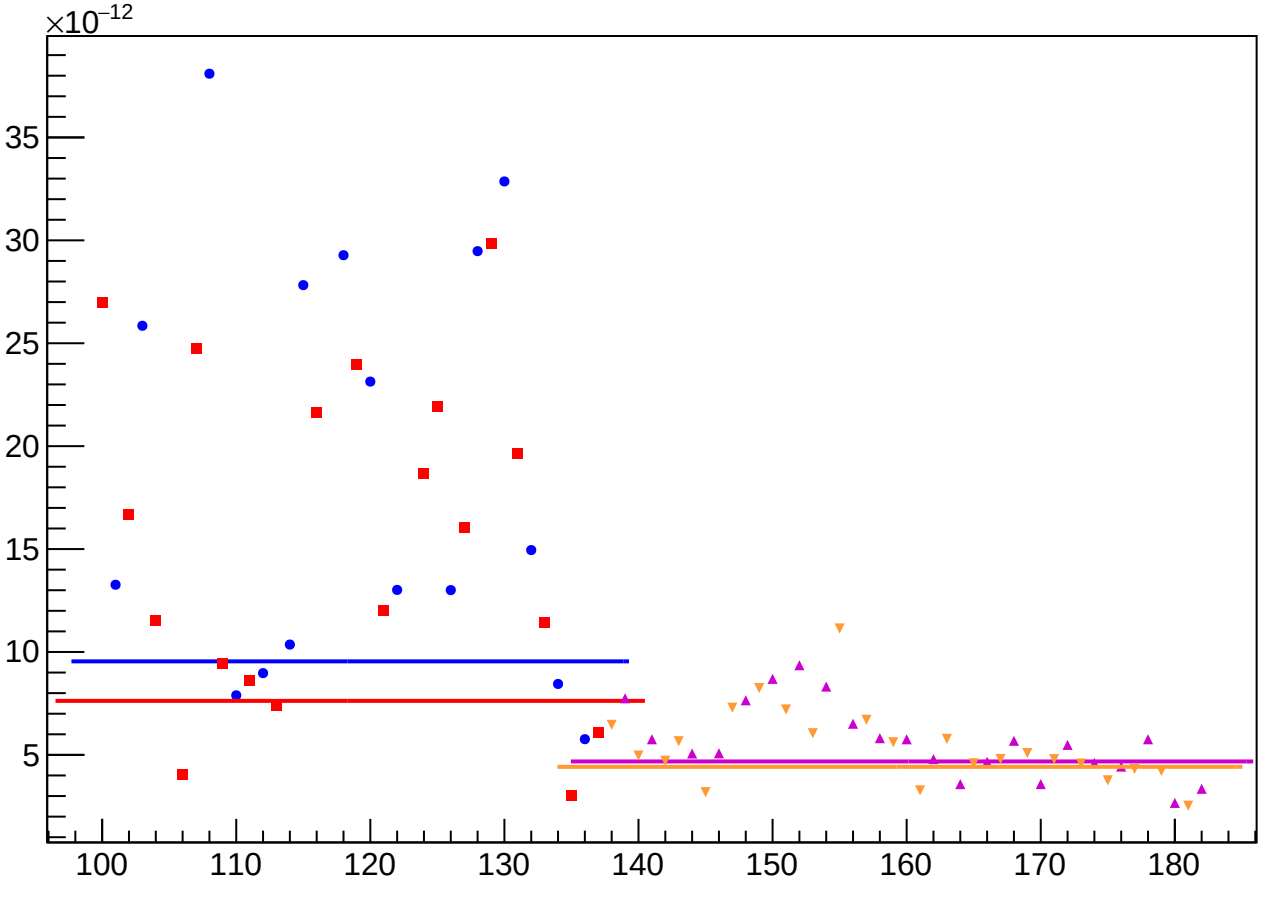
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:57.9/37

Out: 0.000+/-0.000 χ^2/NDF:37.7/41

All: -0.000+/-0.000 χ^2/NDF: 102.2/79

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2410180.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2488687.8/21

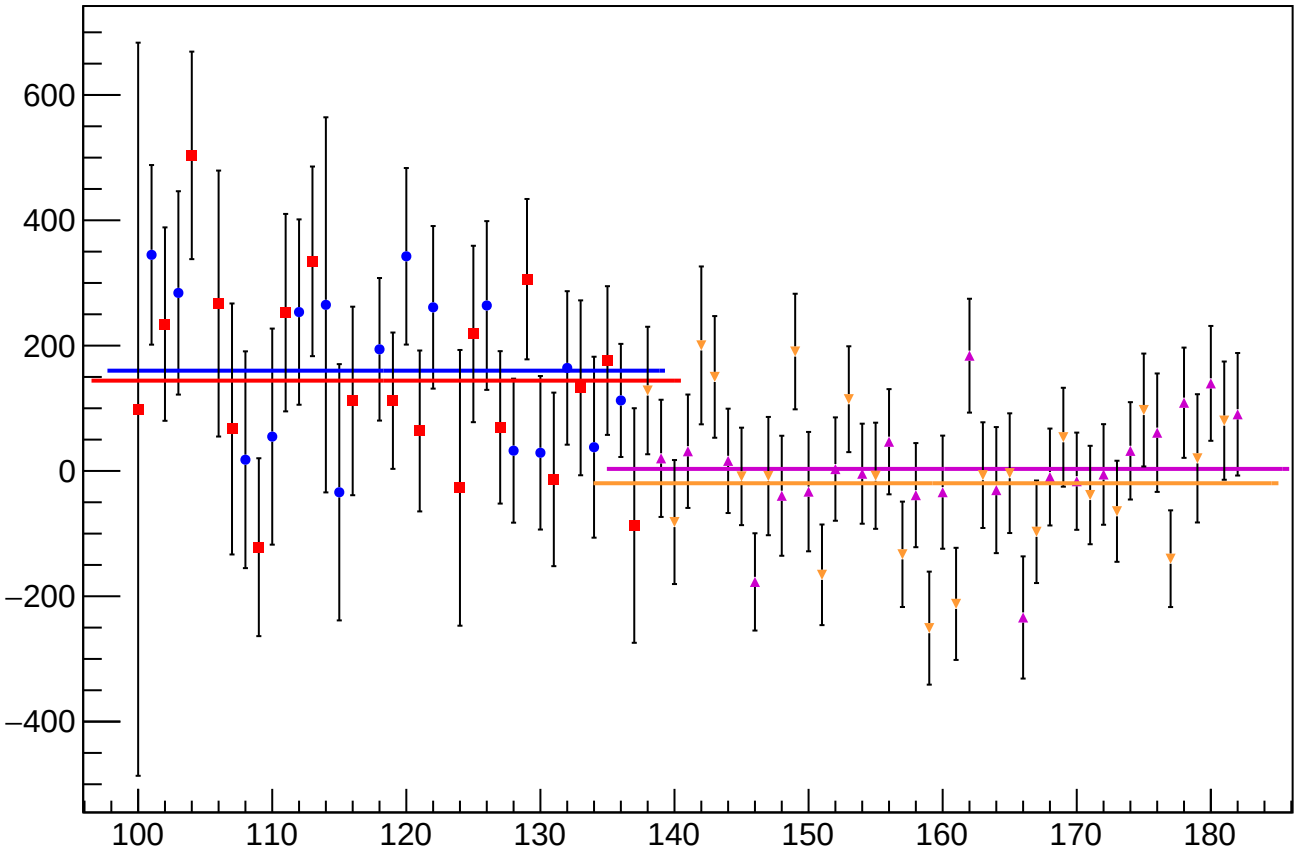
Left: 0.000+/-0.000 χ^2/NDF: 4934819.4/44

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:6833036.8/37

Out: 0.000+/-0.000 χ^2/NDF:6431606.5/41

All: 0.000+/-0.000 χ^2/NDF: 13330307.0/79



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.632+/-18.374 χ^2/NDF:40.3/22

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: 3.249+/-18.494 χ^2/NDF:21.6/21

Left: -8.266+/-13.035 χ^2/NDF: 62.7/44

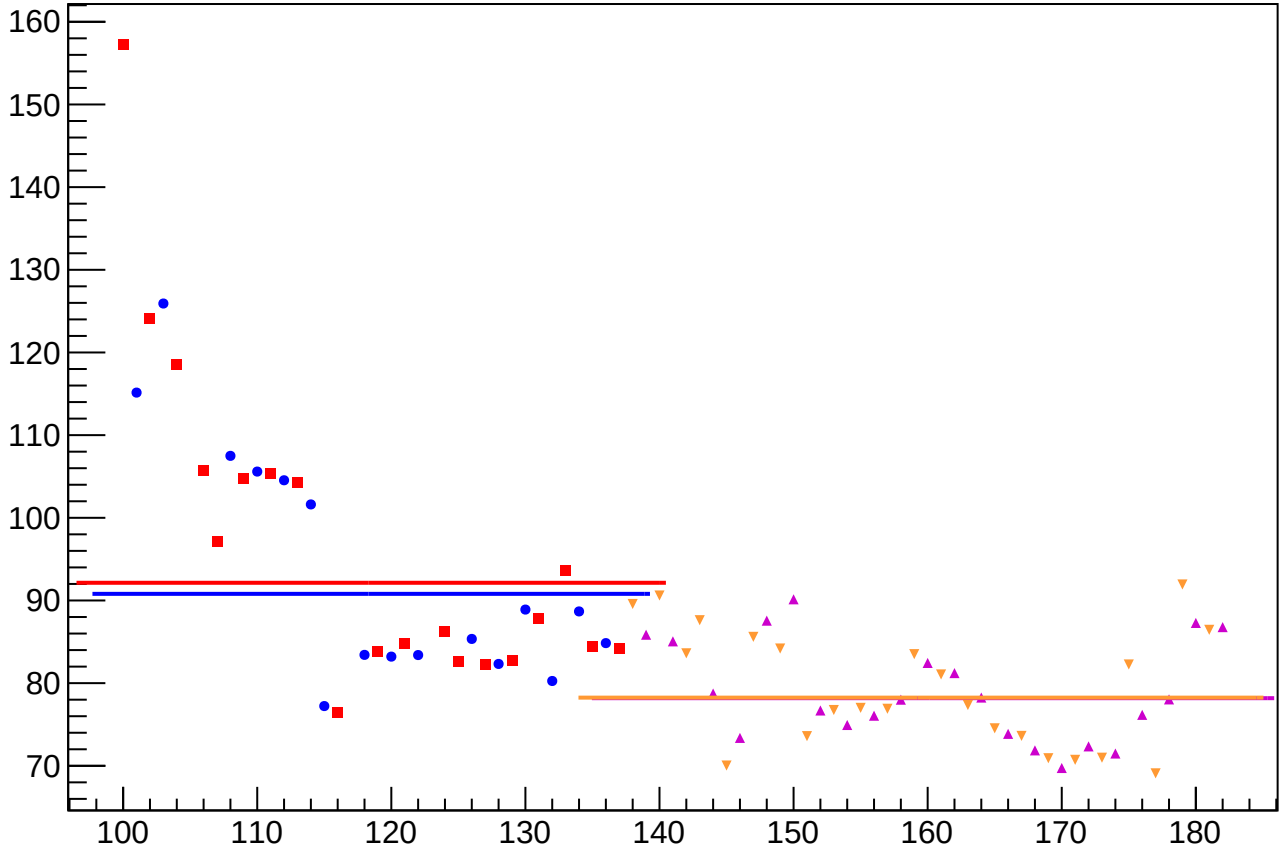
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 38.771+/-16.265 χ^2/NDF:49.0/37

Out: 17.024+/-16.188 χ^2/NDF:75.5/41

All: 27.846+/-11.474 χ^2/NDF: 125.4/79

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: 78.248+/-0.013 χ^2/NDF:282536.0/22

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 78.181+/-0.013 χ^2/NDF:197875.1/21

Left: 78.215+/-0.009 χ^2/NDF: 480424.3/44

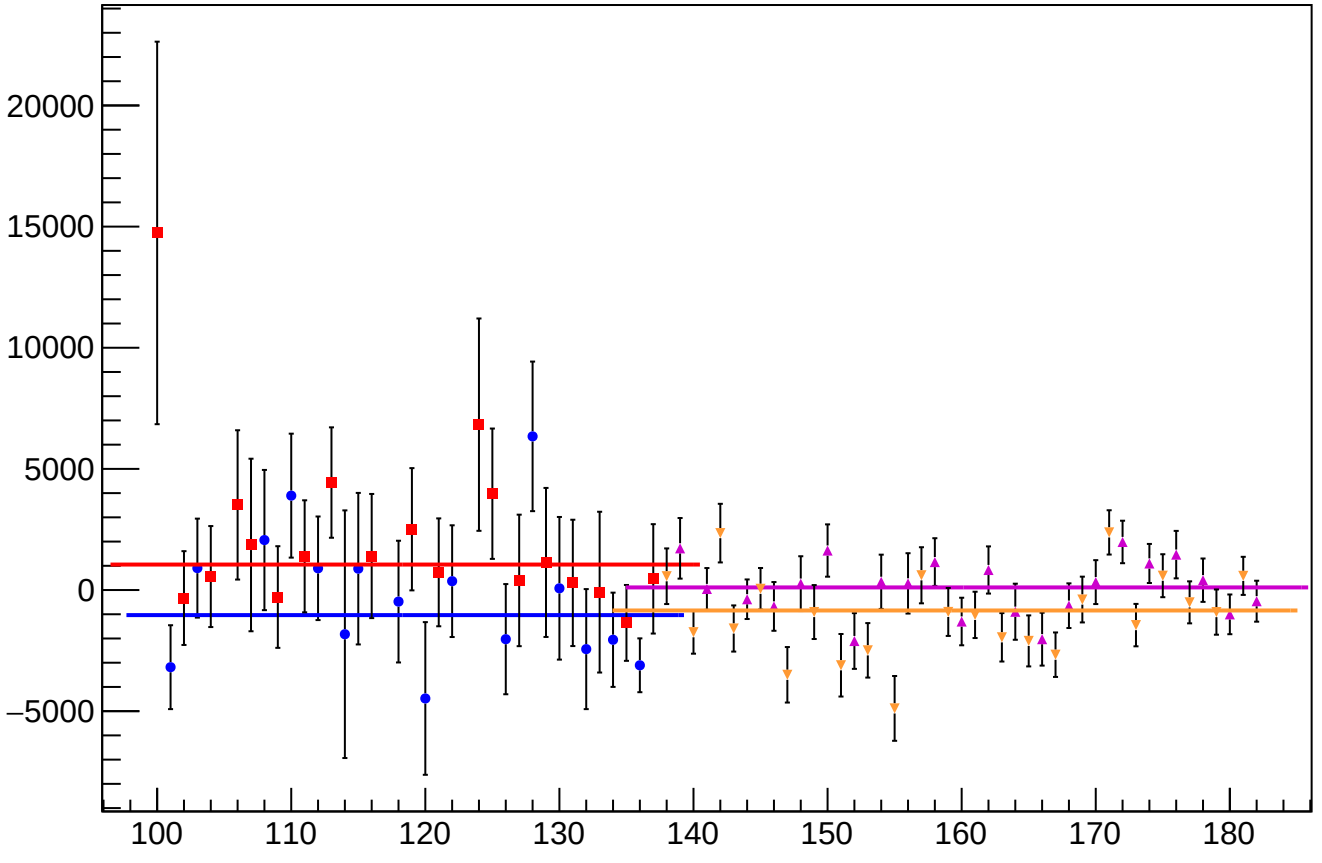
Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 81.041+/-0.012 χ^2/NDF:681650.4/37

Out: 81.358+/-0.011 χ^2/NDF:840526.9/41

All: 81.200+/-0.008 χ^2/NDF: 1522560.2/79

asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -843.767+/-205.708 χ^2/NDF:58.3/22

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 107.746+/-206.584 χ^2/NDF:27.8/21

Left: -370.032+/-145.766 χ^2/NDF: 96.8/44

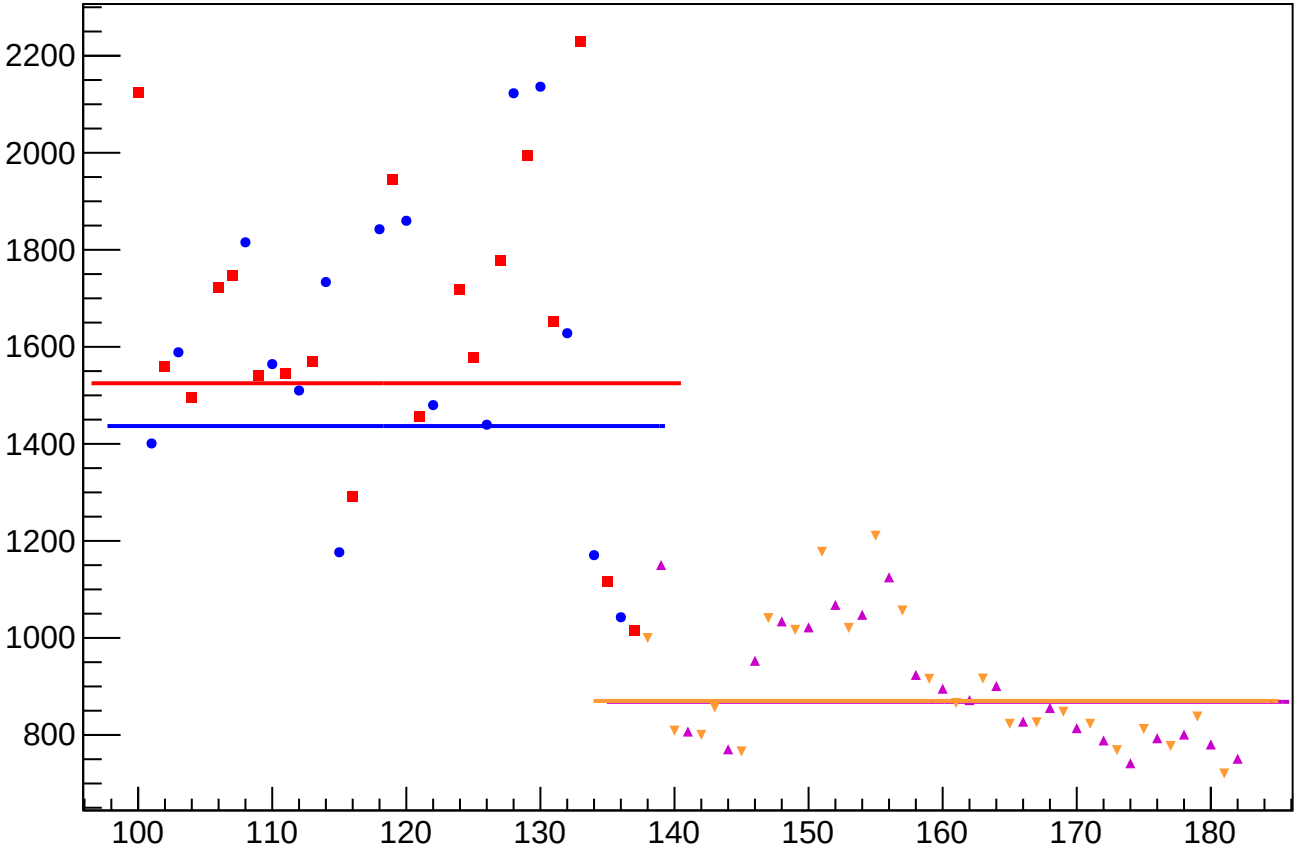
Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -33.452+/-193.401 χ^2/NDF:51.9/37

Out: -624.641+/-193.452 χ^2/NDF:81.0/41

All: -328.969+/-136.773 χ^2/NDF: 137.6/79

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: 870.161+/-0.145 χ^2/NDF:638296.3/22

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 868.288+/-0.146 χ^2/NDF:604760.1/21

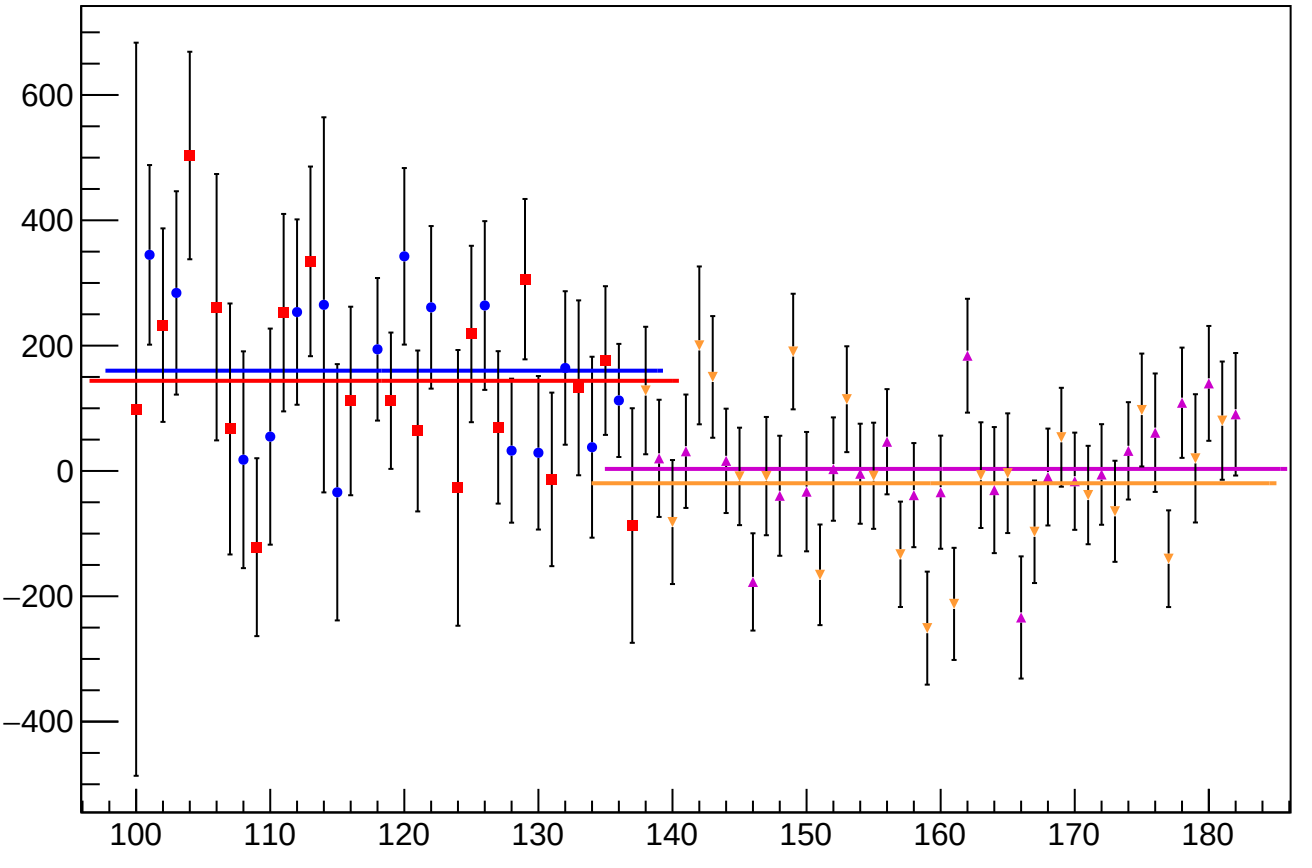
Left: 869.229+/-0.103 χ^2/NDF: 1243139.0/44

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 938.523+/-0.137 χ^2/NDF:3151460.9/37

Out: 945.866+/-0.137 χ^2/NDF:3485769.7/41

All: 942.194+/-0.097 χ^2/NDF: 6638671.7/79



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.631+/-18.374 χ^2/NDF:40.3/22

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: 3.247+/-18.494 χ^2/NDF:21.6/21

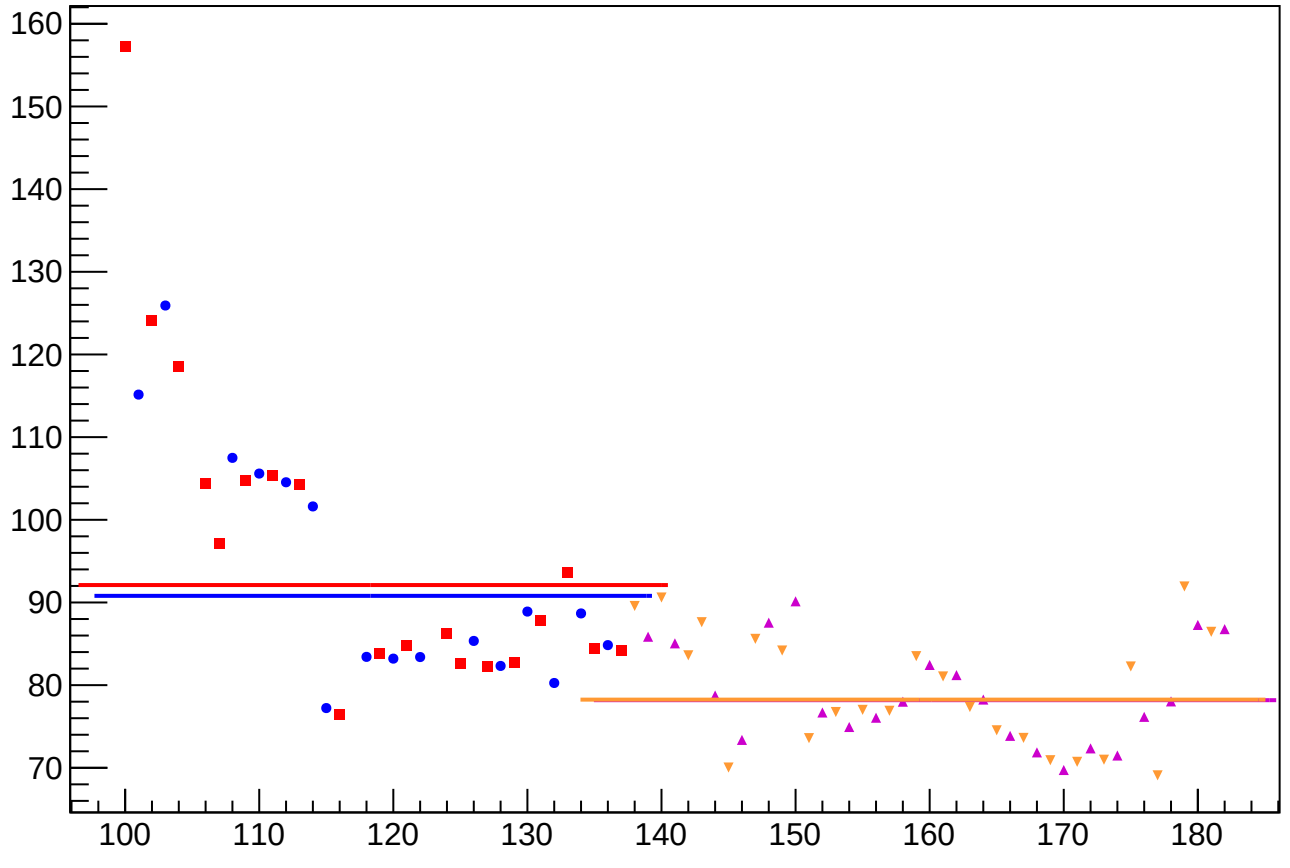
Left: -8.266+/-13.035 χ^2/NDF: 62.7/44

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 38.768+/-16.265 χ^2/NDF:49.0/37

Out: 16.965+/-16.188 χ^2/NDF:75.4/41

All: 27.815+/-11.474 χ^2/NDF: 125.2/79



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.248+/-0.013 χ^2/NDF:282536.1/22

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 78.181+/-0.013 χ^2/NDF:197875.1/21

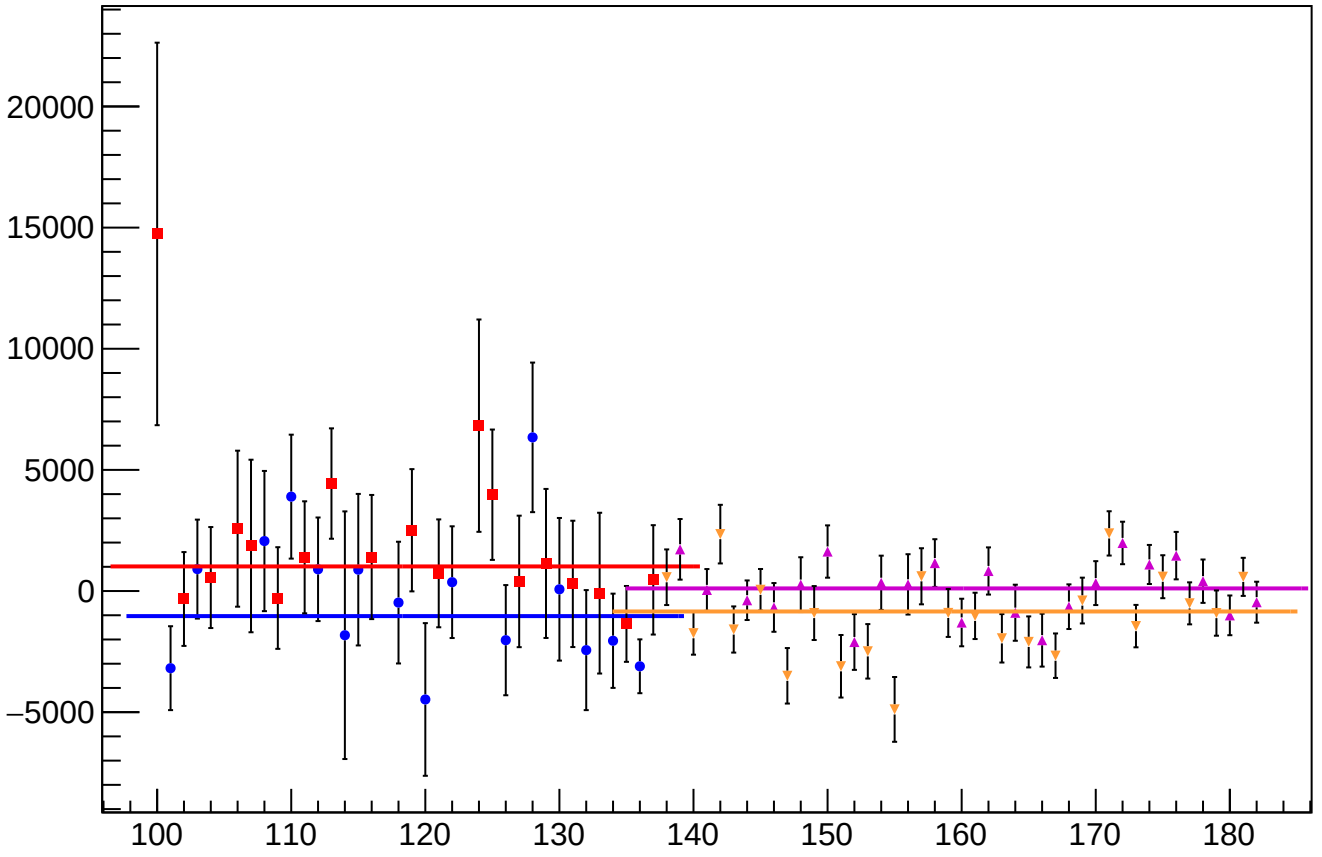
Left: 78.215+/-0.009 χ^2/NDF: 480424.3/44

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 81.041+/-0.012 χ^2/NDF:681652.4/37

Out: 81.351+/-0.011 χ^2/NDF:838020.2/41

All: 81.196+/-0.008 χ^2/NDF: 1520037.2/79



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -843.765+/-205.708 χ^2/NDF:58.3/22

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 107.747+/-206.584 χ^2/NDF:27.8/21

Left: -370.031+/-145.766 χ^2/NDF: 96.8/44

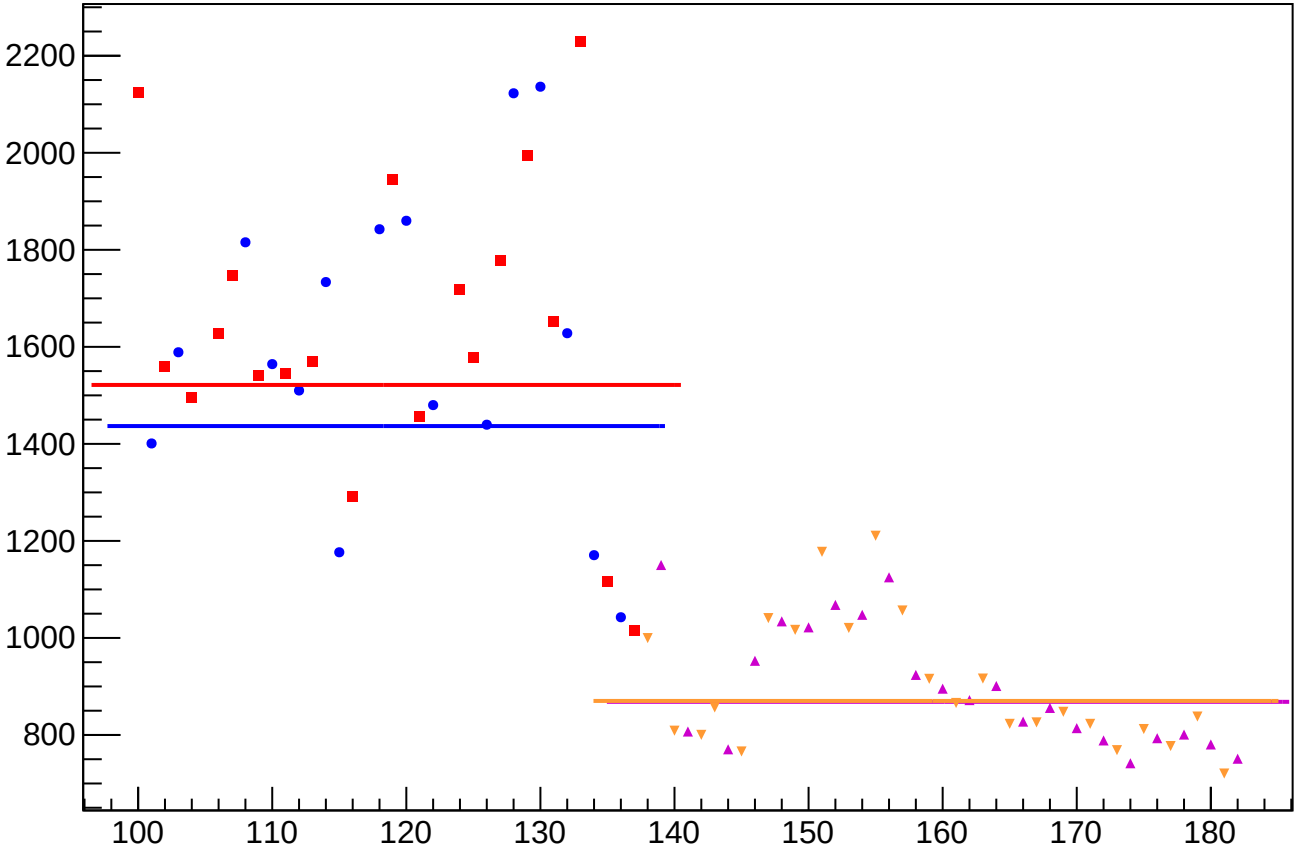
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -33.447+/-193.401 χ^2/NDF:51.9/37

Out: -629.375+/-193.484 χ^2/NDF:80.2/41

All: -331.283+/-136.785 χ^2/NDF: 136.8/79

asym_sam_24_68_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 870.161+/-0.145 χ^2/NDF:638296.2/22

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 868.288+/-0.146 χ^2/NDF:604758.1/21

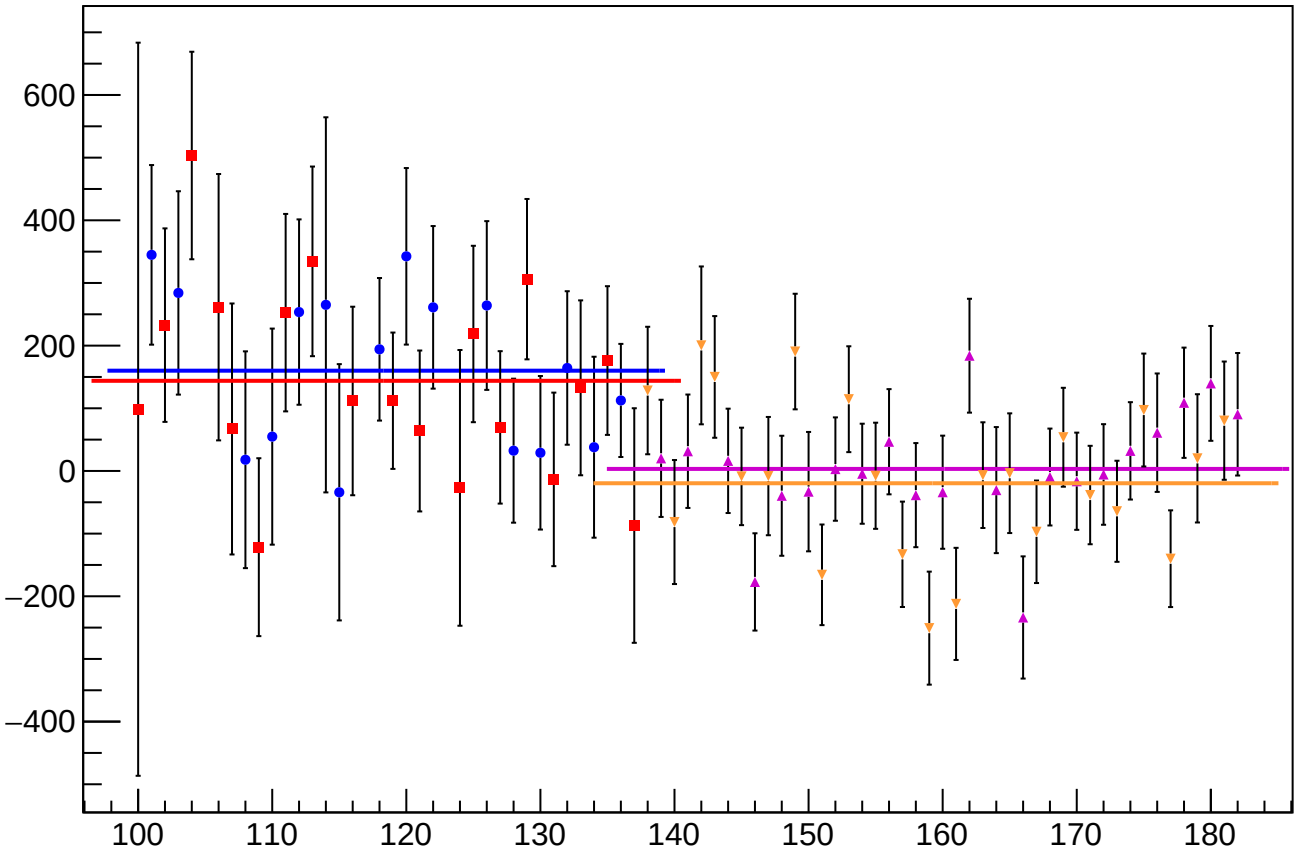
Left: 869.229+/-0.103 χ^2/NDF: 1243136.8/44

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 938.524+/-0.137 χ^2/NDF:3151478.3/37

Out: 945.270+/-0.137 χ^2/NDF:3448852.6/41

All: 941.896+/-0.097 χ^2/NDF: 6601547.2/79



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.631+/-18.374 χ^2/NDF:40.3/22

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: 3.247+/-18.494 χ^2/NDF:21.6/21

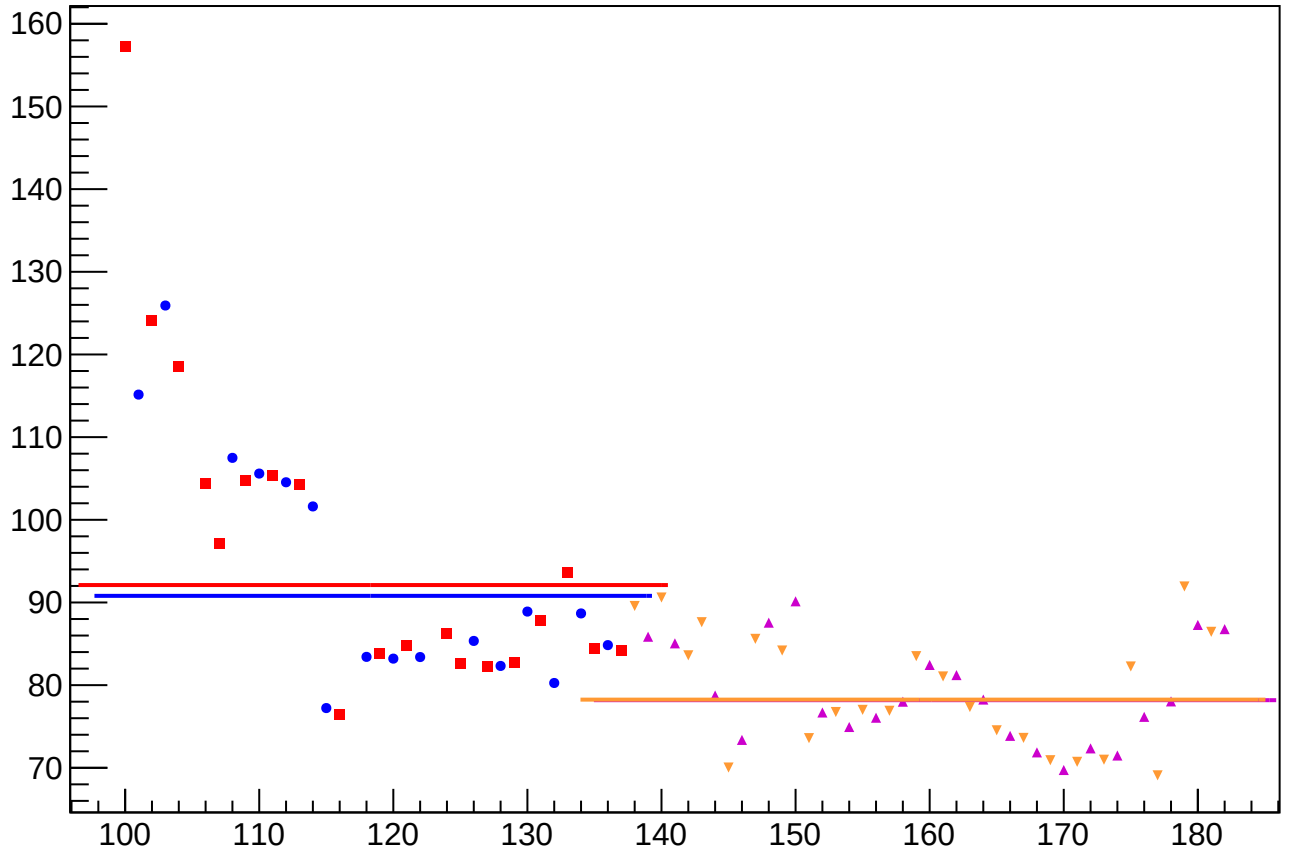
Left: -8.266+/-13.035 χ^2/NDF: 62.7/44

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 38.768+/-16.265 χ^2/NDF:49.0/37

Out: 16.965+/-16.188 χ^2/NDF:75.4/41

All: 27.815+/-11.474 χ^2/NDF: 125.2/79



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.248+/-0.013 χ^2/NDF:282536.1/22

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 78.181+/-0.013 χ^2/NDF:197875.1/21

Left: 78.215+/-0.009 χ^2/NDF: 480424.3/44

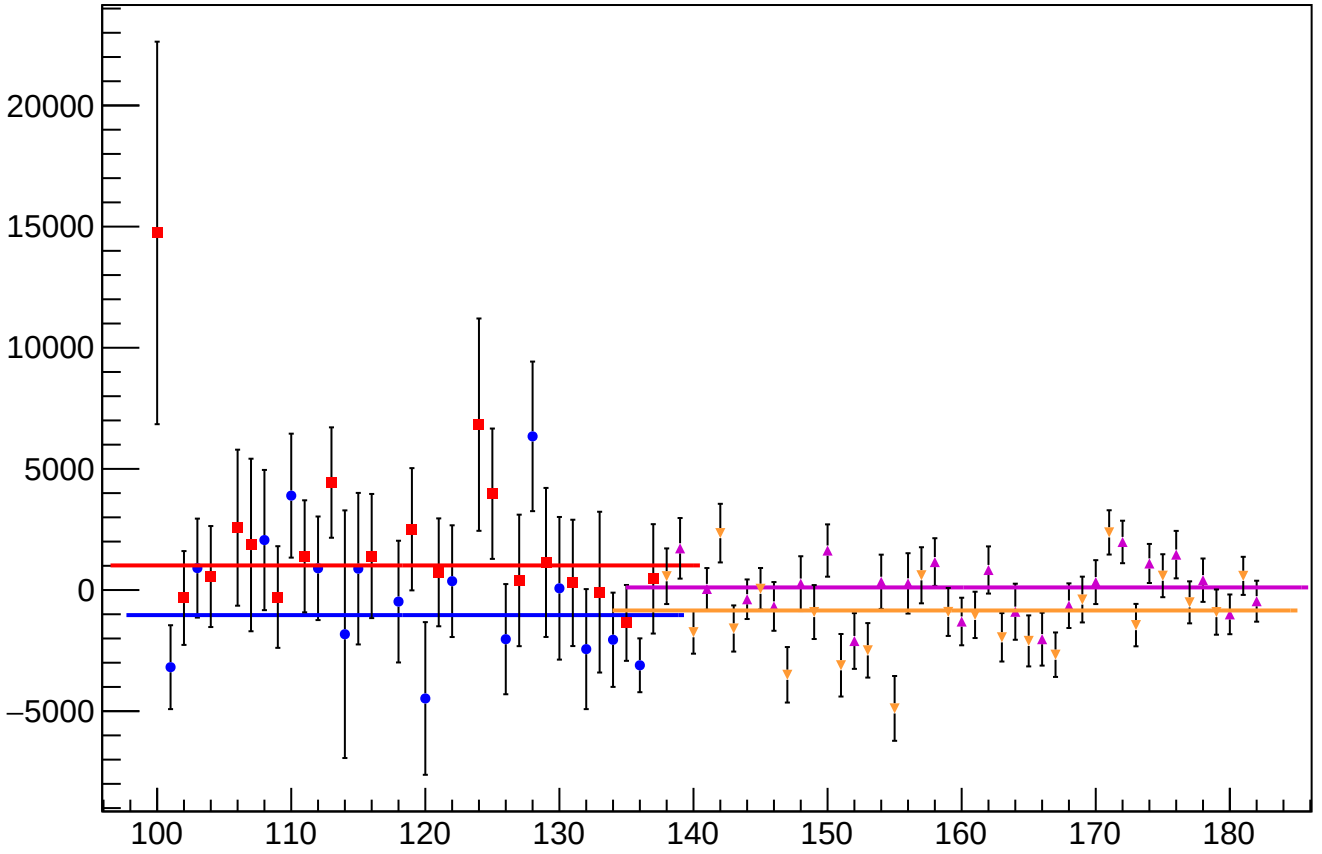
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 81.041+/-0.012 χ^2/NDF:681652.4/37

Out: 81.351+/-0.011 χ^2/NDF:838020.2/41

All: 81.196+/-0.008 χ^2/NDF: 1520037.2/79

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -843.765+/-205.708 χ^2/NDF:58.3/22

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 107.747+/-206.584 χ^2/NDF:27.8/21

Left: -370.031+/-145.766 χ^2/NDF: 96.8/44

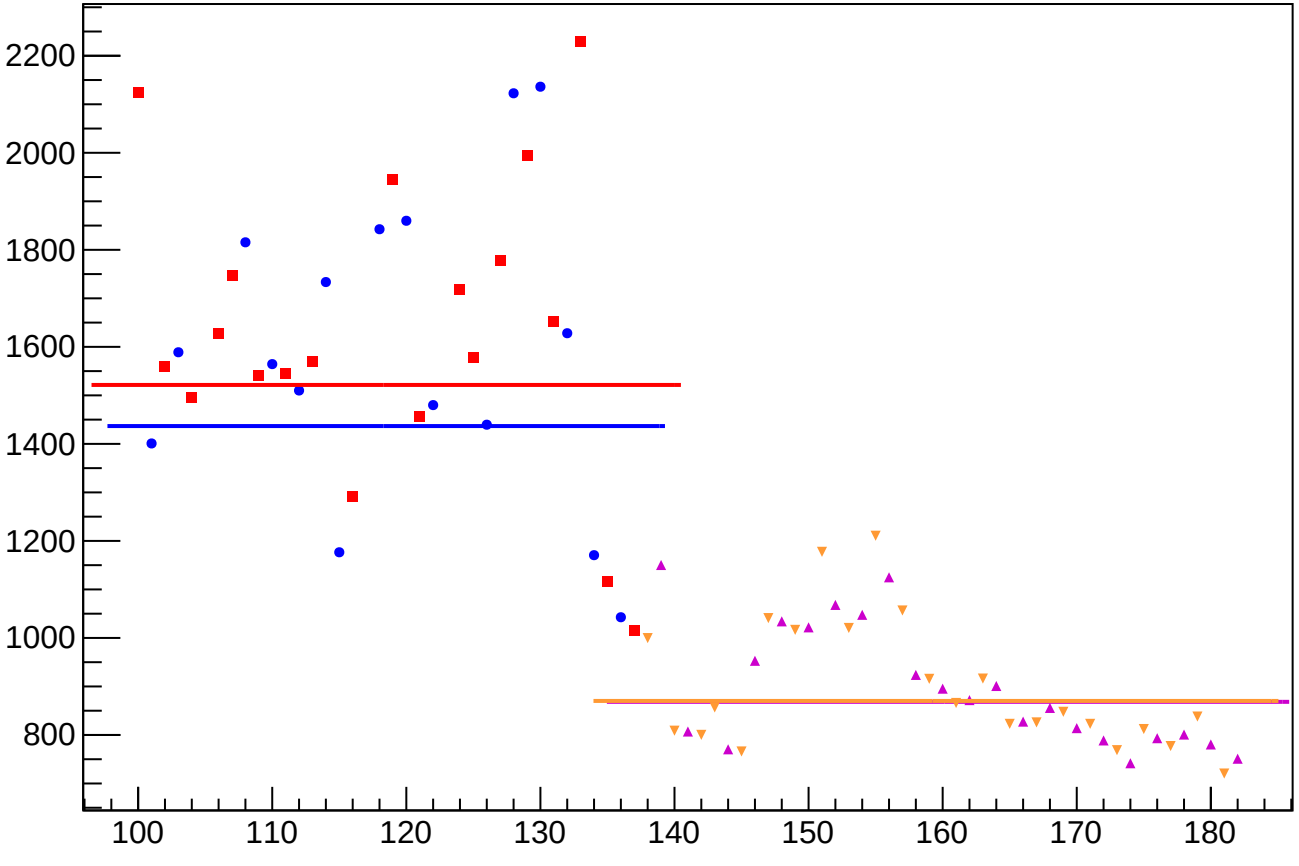
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -33.447+/-193.401 χ^2/NDF:51.9/37

Out: -629.375+/-193.484 χ^2/NDF:80.2/41

All: -331.283+/-136.785 χ^2/NDF: 136.8/79

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 870.161+/-0.145 χ^2/NDF:638296.2/22

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 868.288+/-0.146 χ^2/NDF:604758.1/21

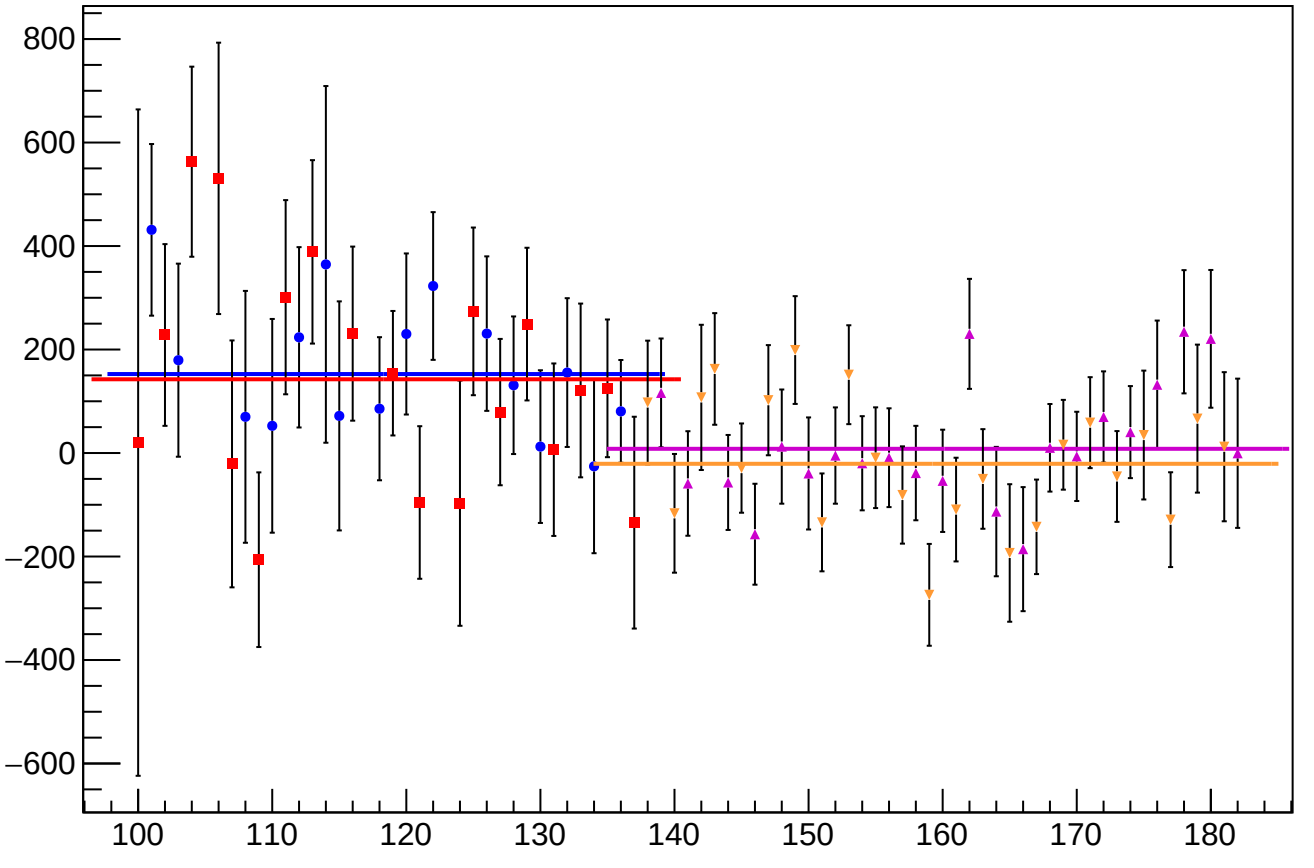
Left: 869.229+/-0.103 χ^2/NDF: 1243136.8/44

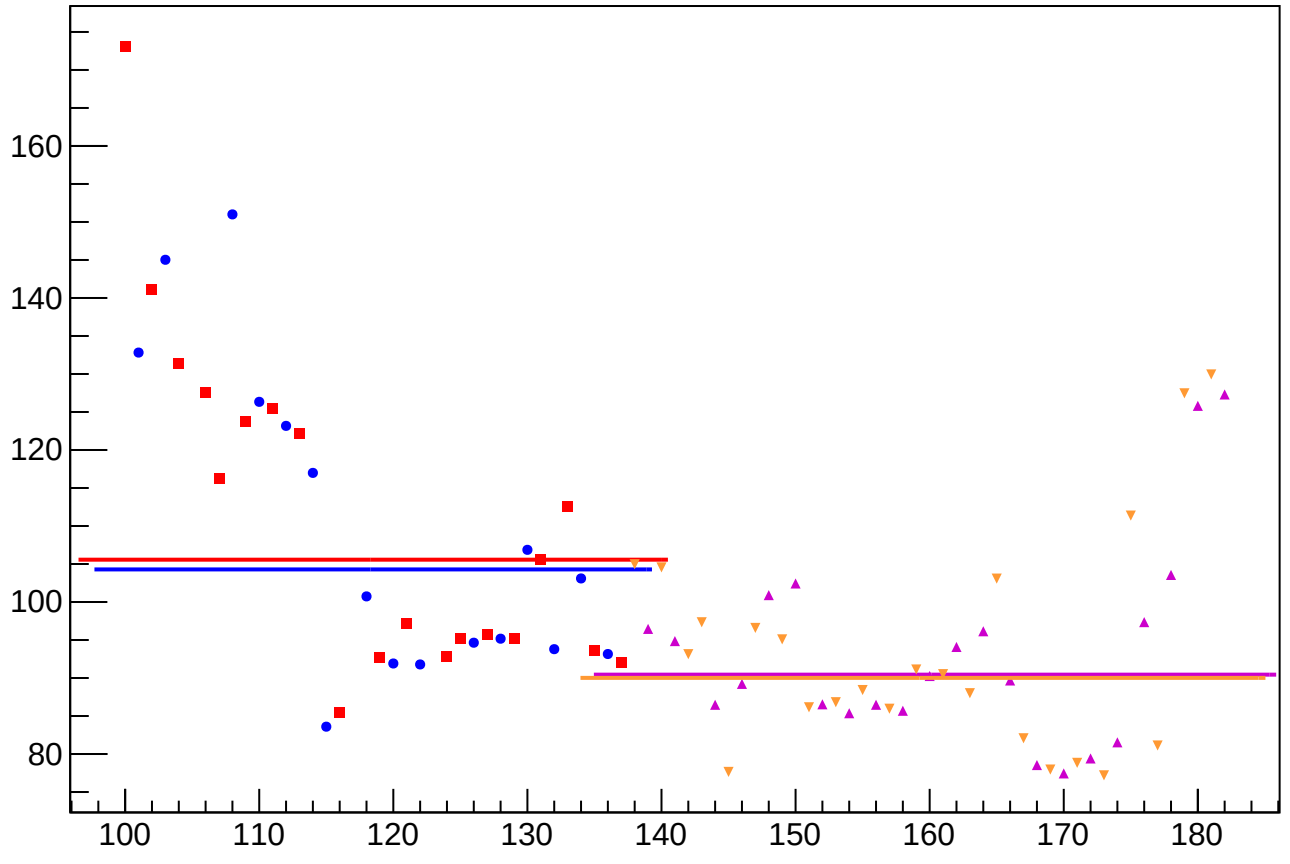
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 938.524+/-0.137 χ^2/NDF:3151478.3/37

Out: 945.270+/-0.137 χ^2/NDF:3448852.6/41

All: 941.896+/-0.097 χ^2/NDF: 6601547.2/79


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
180
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: -20.823+/-21.330 χ²/NDF:30.4/22
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: 8.145+/-21.617 χ²/NDF:21.6/21
Left: -6.533+/-15.183 χ²/NDF: 52.9/44
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 41.514+/-18.957 χ²/NDF:40.5/37
Out: 16.280+/-18.751 χ²/NDF:66.6/41
All: 28.759+/-13.331 χ²/NDF: 108.0/79



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.017+/-0.015 χ^2/NDF:654669.3/22

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 90.441+/-0.015 χ^2/NDF:520838.2/21

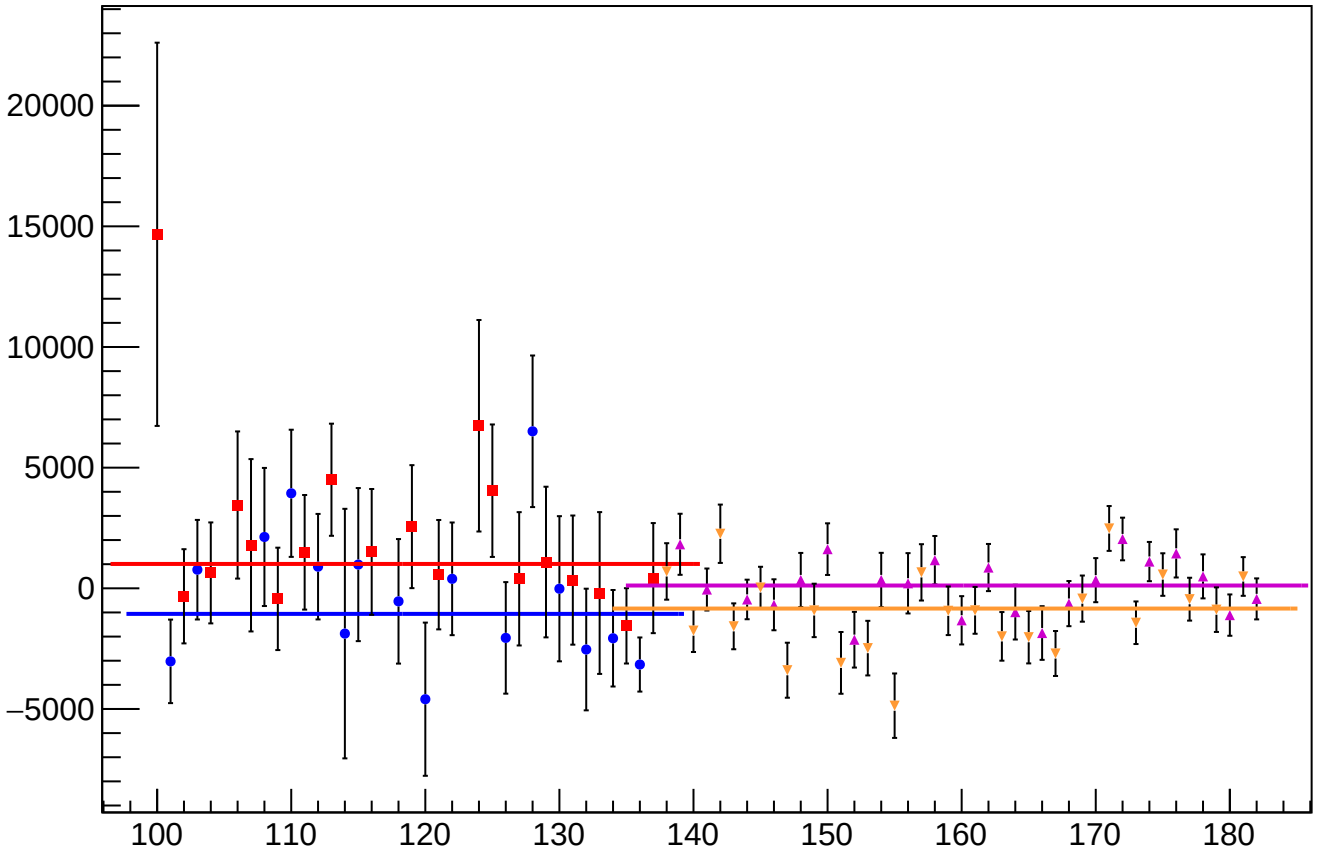
Left: 90.226+/-0.011 χ^2/NDF: 1175899.1/44

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 93.639+/-0.013 χ^2/NDF:1088615.5/37

Out: 93.550+/-0.013 χ^2/NDF:1240811.0/41

All: 93.594+/-0.009 χ^2/NDF: 2329449.0/79



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -838.496+/-207.286 χ^2/NDF:57.4/22

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 116.145+/-208.979 χ^2/NDF:28.0/21

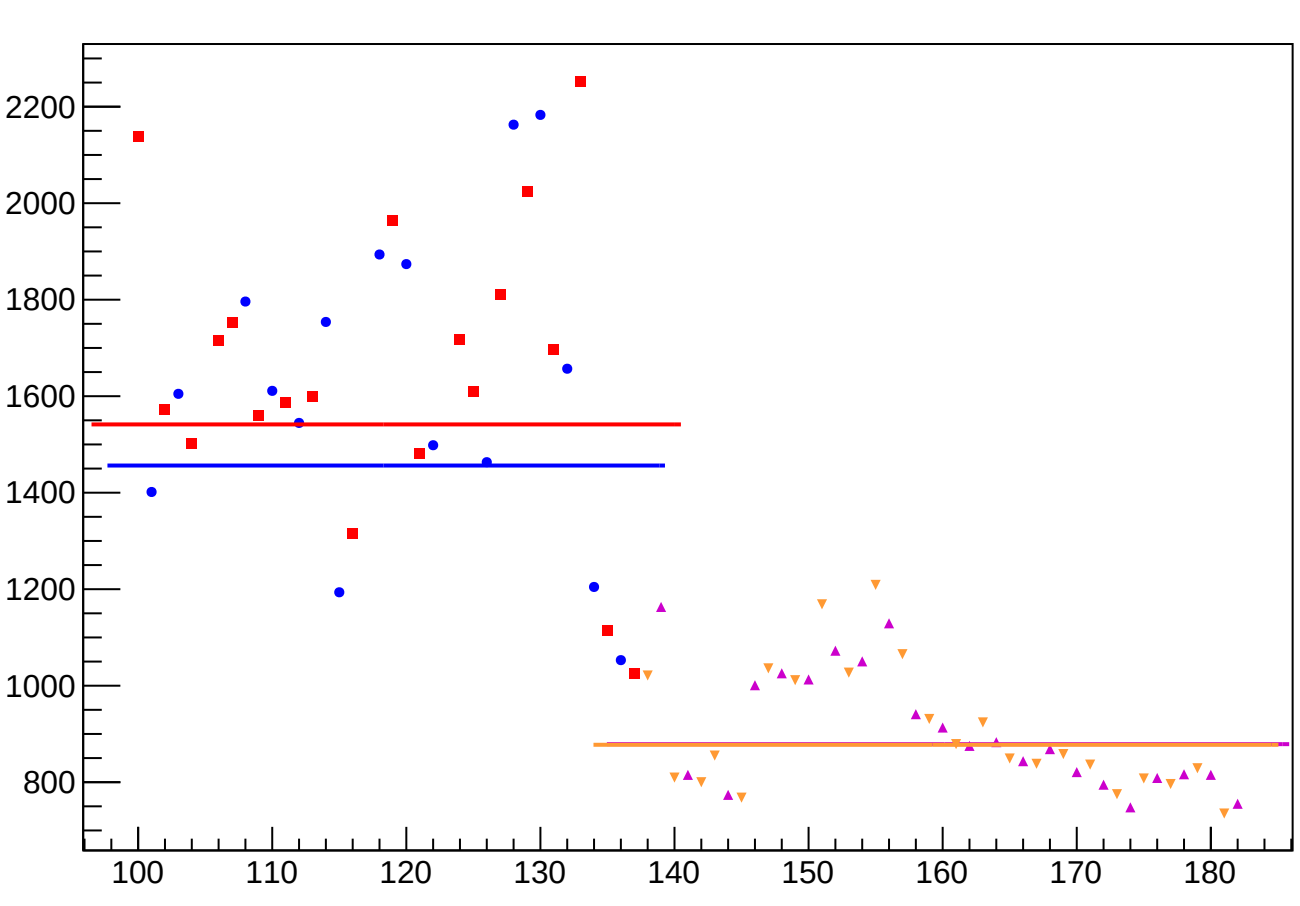
Left: -365.057+/-147.168 χ^2/NDF: 95.9/44

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -28.612+/-195.689 χ^2/NDF:51.9/37

Out: -625.973+/-195.006 χ^2/NDF:79.8/41

All: -328.337+/-138.131 χ^2/NDF: 136.4/79



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 877.567+/-0.147 χ^2/NDF:609460.7/22

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 878.852+/-0.148 χ^2/NDF:583297.9/21

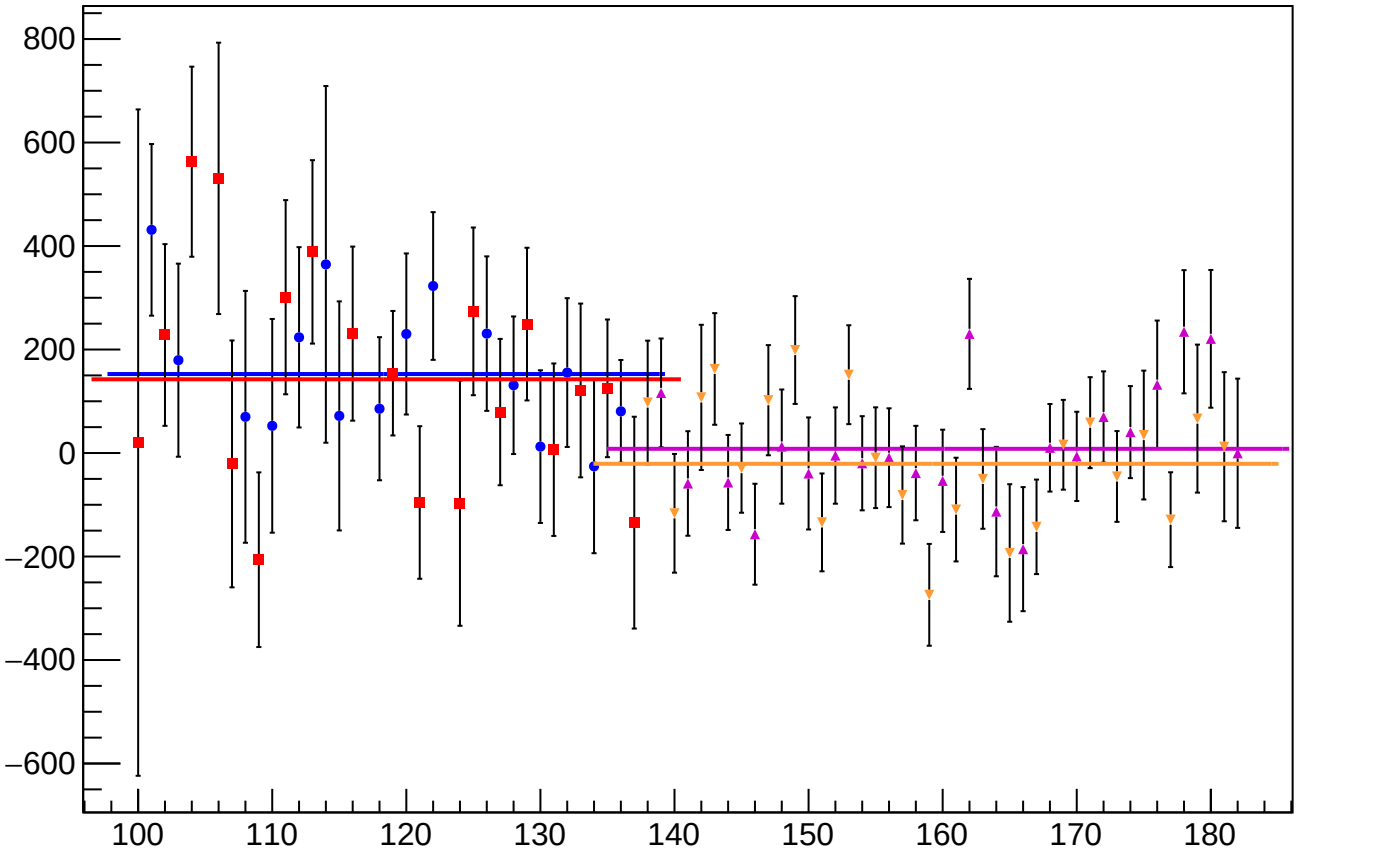
Left: 878.204+/-0.104 χ^2/NDF: 1192796.7/44

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 949.962+/-0.138 χ^2/NDF:3148603.0/37

Out: 953.906+/-0.138 χ^2/NDF:3488056.8/41

All: 951.941+/-0.098 χ^2/NDF: 6637067.5/79



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -20.823+/-21.330 χ^2/NDF:30.3/22

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: 8.145+/-21.617 χ^2/NDF:21.6/21

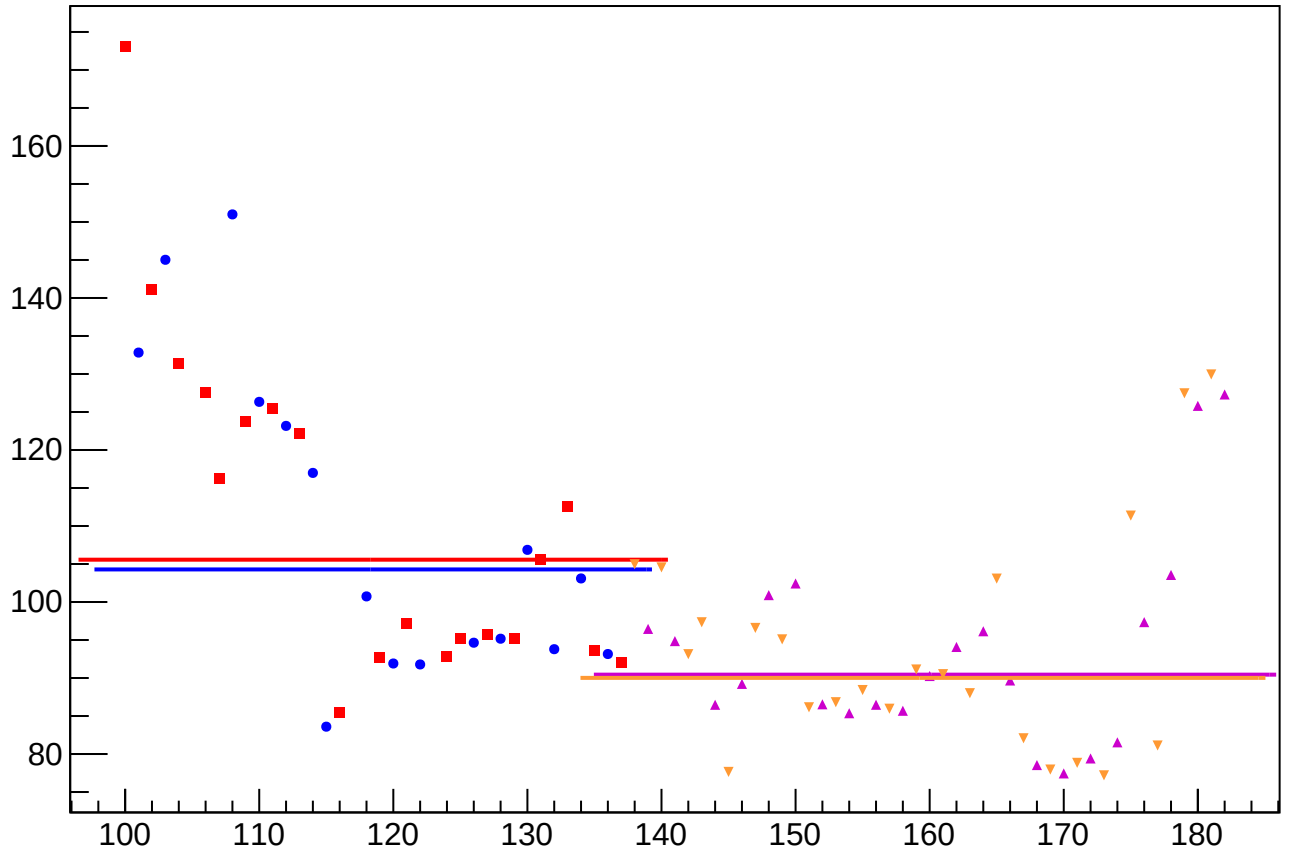
Left: -6.533+/-15.183 χ^2/NDF: 52.9/44

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 41.515+/-18.957 χ^2/NDF:40.5/37

Out: 16.280+/-18.751 χ^2/NDF:66.6/41

All: 28.759+/-13.331 χ^2/NDF: 108.0/79



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.017+/-0.015 χ^2/NDF:654675.5/22

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 90.441+/-0.015 χ^2/NDF:520829.2/21

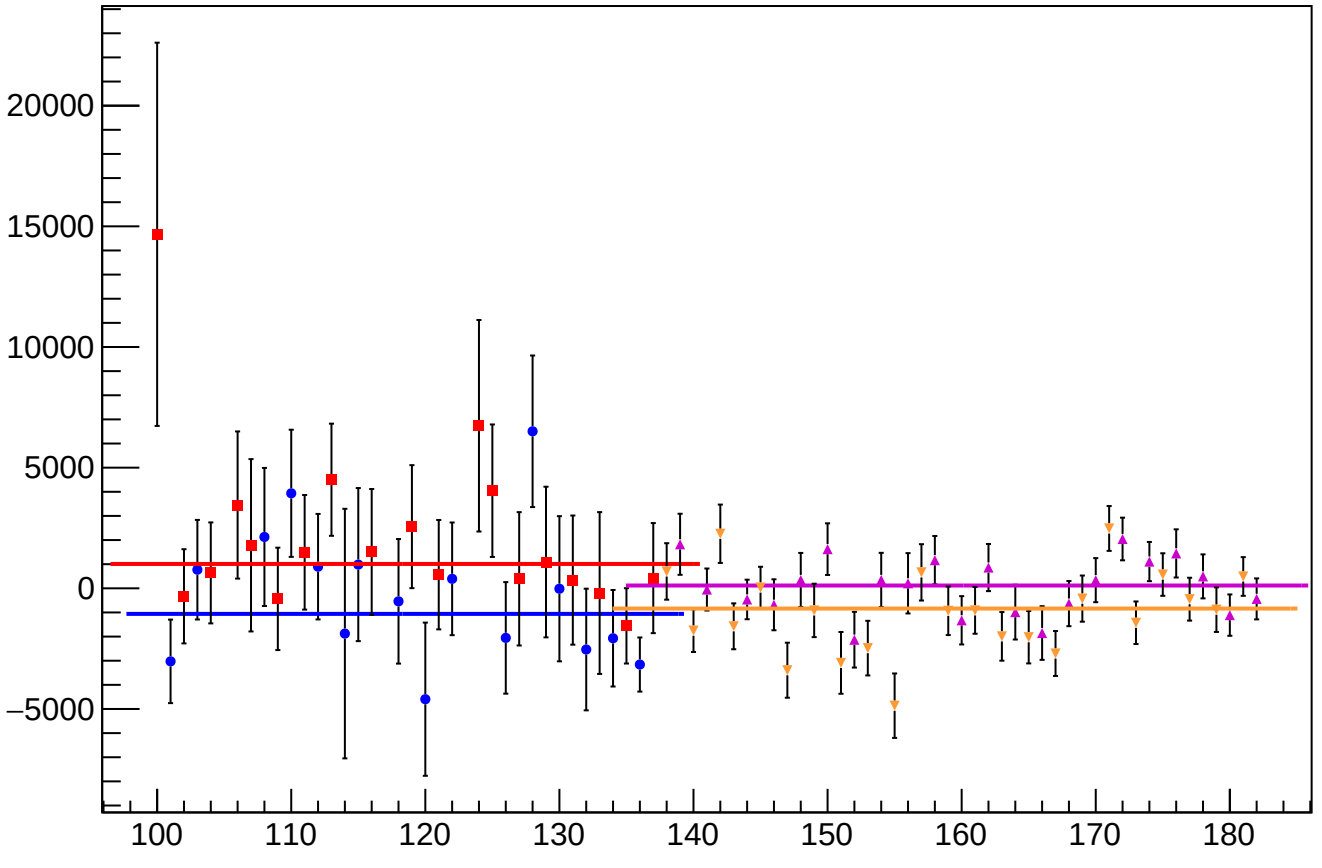
Left: 90.226+/-0.011 χ^2/NDF: 1175896.0/44

Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 93.639+/-0.013 χ^2/NDF:1088585.1/37

Out: 93.549+/-0.013 χ^2/NDF:1240793.6/41

All: 93.594+/-0.009 χ^2/NDF: 2329401.1/79



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -838.496+/-207.286 χ^2/NDF:57.4/22

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 116.145+/-208.979 χ^2/NDF:28.0/21

Left: -365.057+/-147.168 χ^2/NDF: 95.9/44

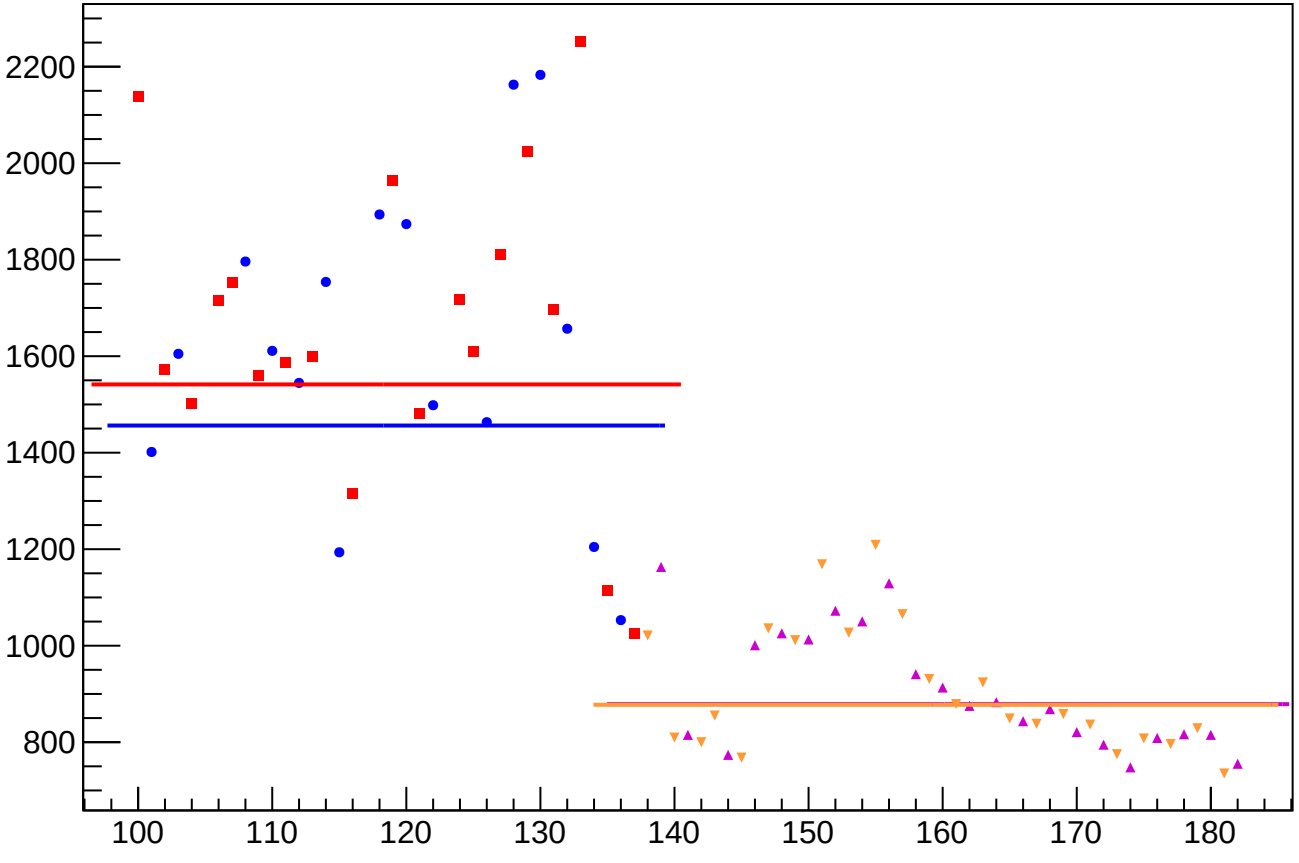
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -28.612+/-195.689 χ^2/NDF:51.9/37

Out: -625.972+/-195.006 χ^2/NDF:79.8/41

All: -328.337+/-138.131 χ^2/NDF: 136.4/79

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 877.566+/-0.147 χ^2/NDF:609462.6/22

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 878.851+/-0.148 χ^2/NDF:583298.2/21

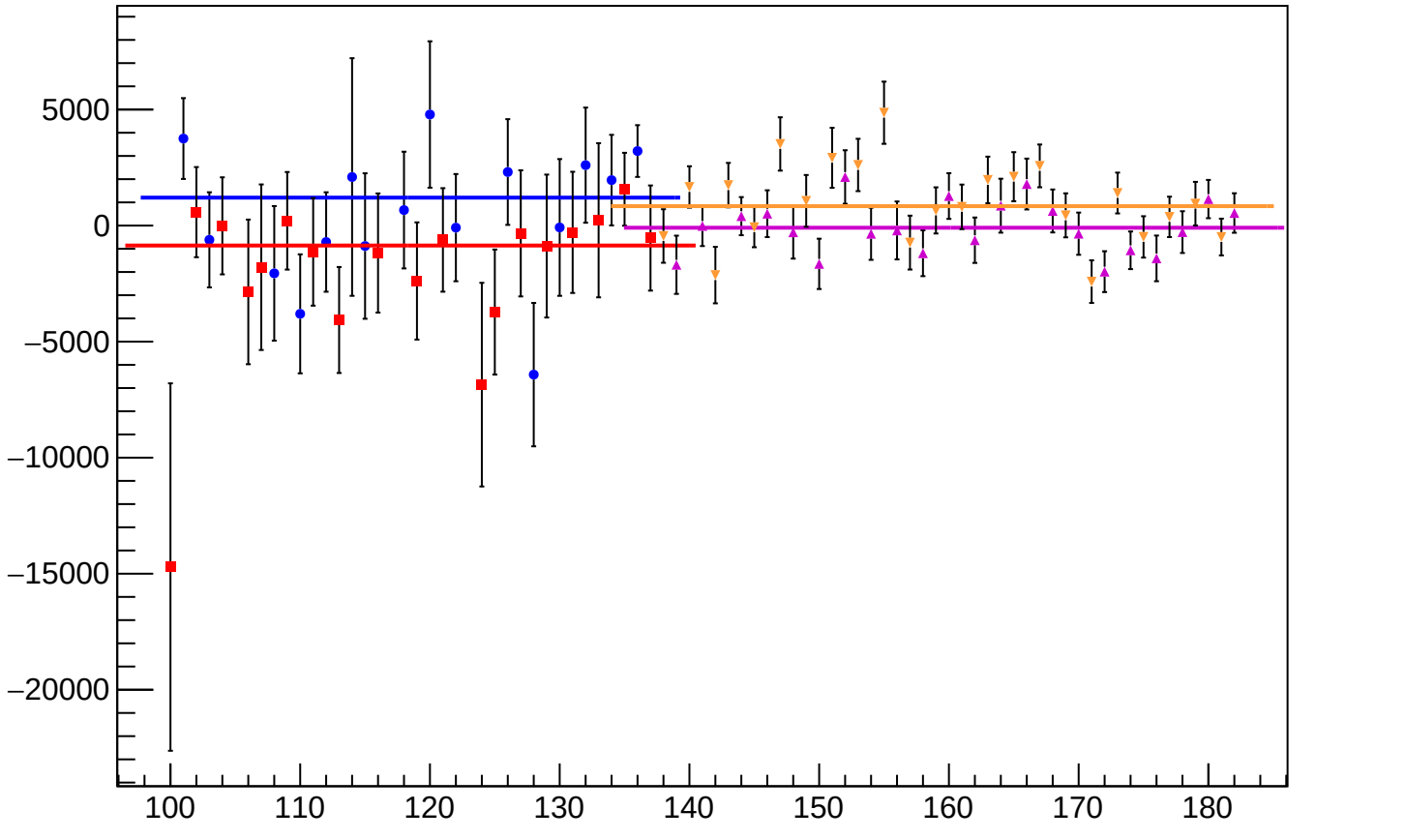
Left: 878.204+/-0.104 χ^2/NDF: 1192798.9/44

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 949.961+/-0.138 χ^2/NDF:3148595.8/37

Out: 953.906+/-0.138 χ^2/NDF:3488051.4/41

All: 951.940+/-0.098 χ^2/NDF: 6637054.9/79



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 836.868+/-206.625 χ^2/NDF:56.2/22

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -92.486+/-207.495 χ^2/NDF:26.6/21

Left: 374.145+/-146.413 χ^2/NDF: 92.9/44

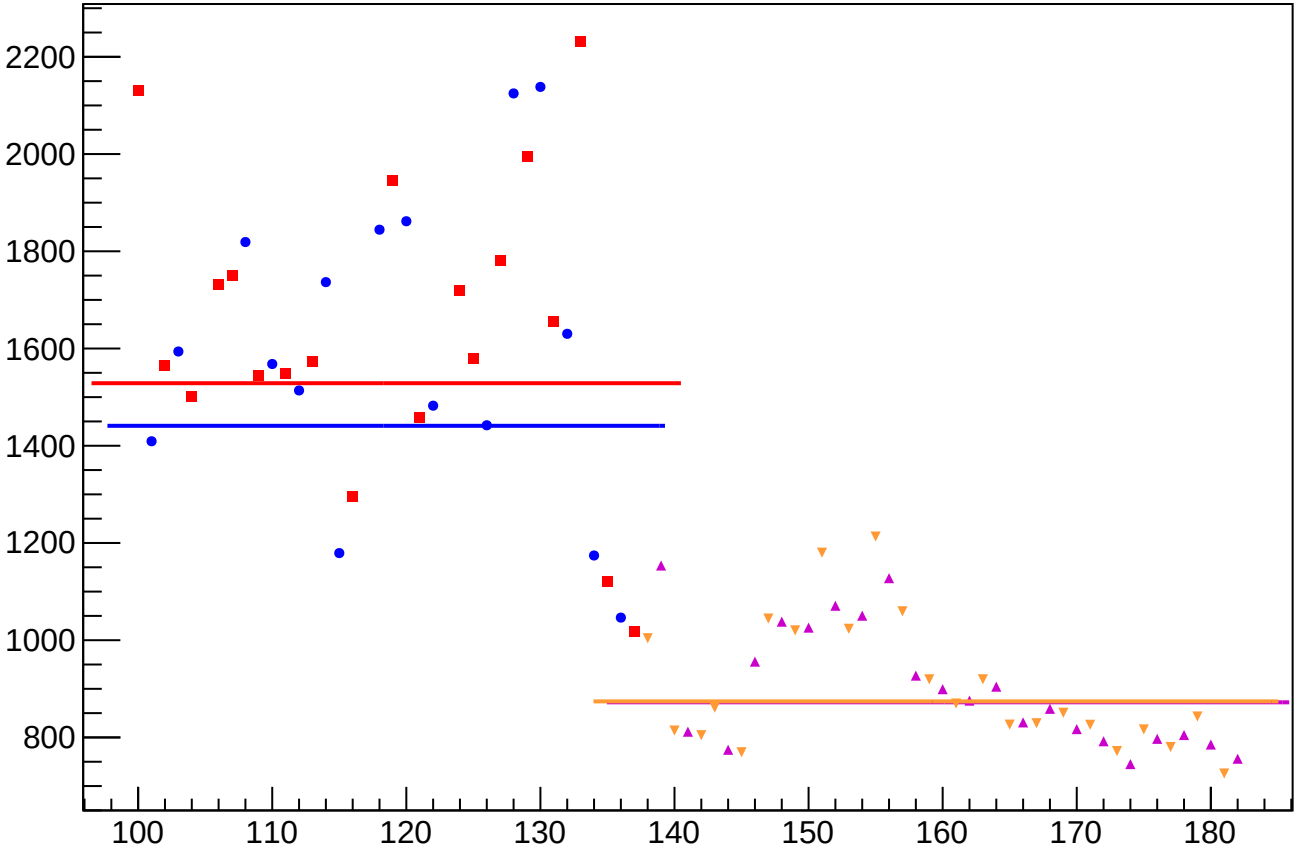
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 68.250+/-194.215 χ^2/NDF:52.6/37

Out: 640.108+/-194.271 χ^2/NDF:76.5/41

All: 354.096+/-137.350 χ^2/NDF: 133.4/79

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 874.176+/-0.146 χ^2/NDF:629779.4/22

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 872.242+/-0.147 χ^2/NDF:596403.2/21

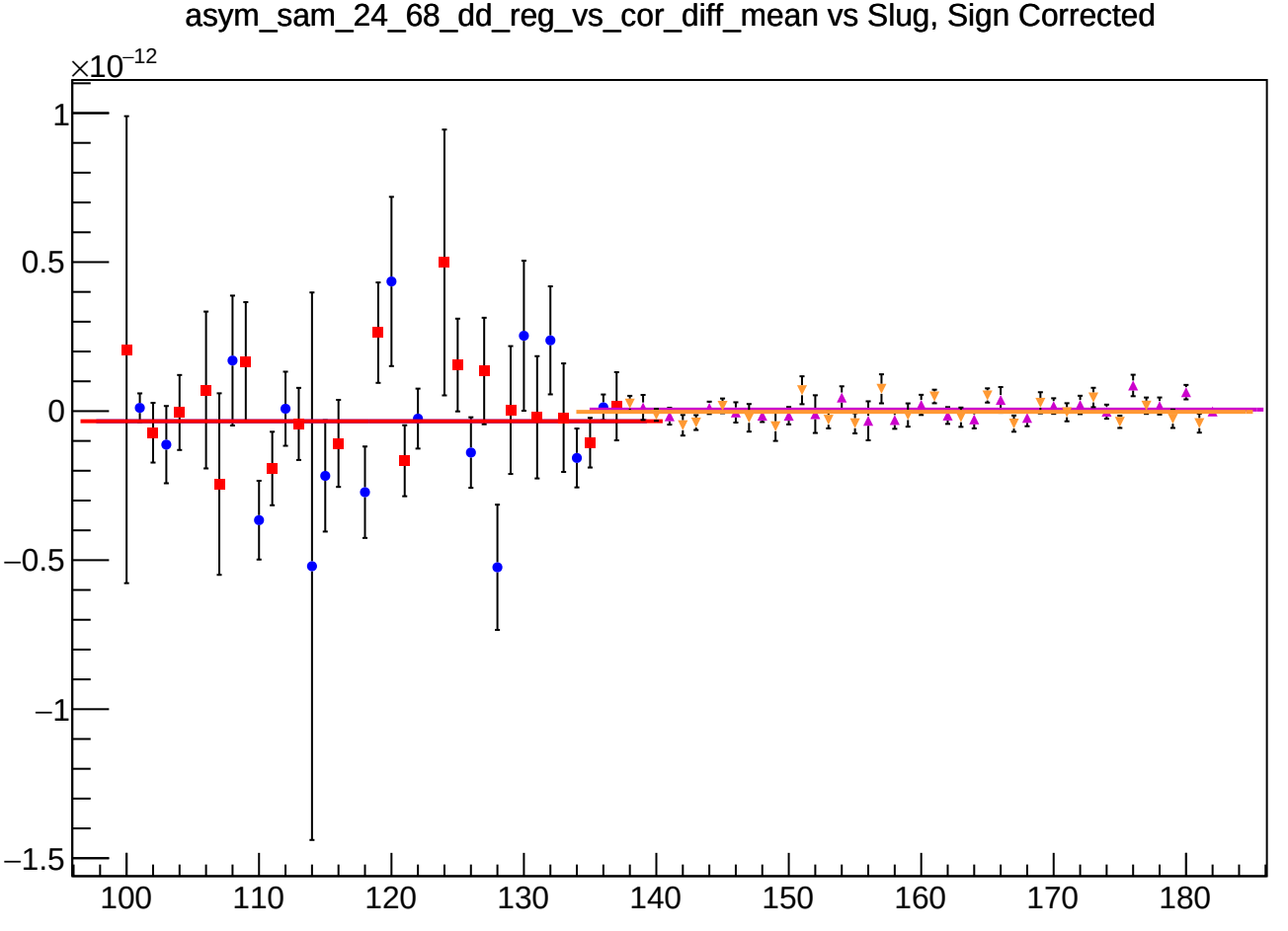
Left: 873.213+/-0.104 χ^2/NDF: 1226269.8/44

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 942.721+/-0.137 χ^2/NDF:3129245.7/37

Out: 950.097+/-0.137 χ^2/NDF:3459171.2/41

All: 946.408+/-0.097 χ^2/NDF: 6589858.8/79



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.0/22

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:20.3/21

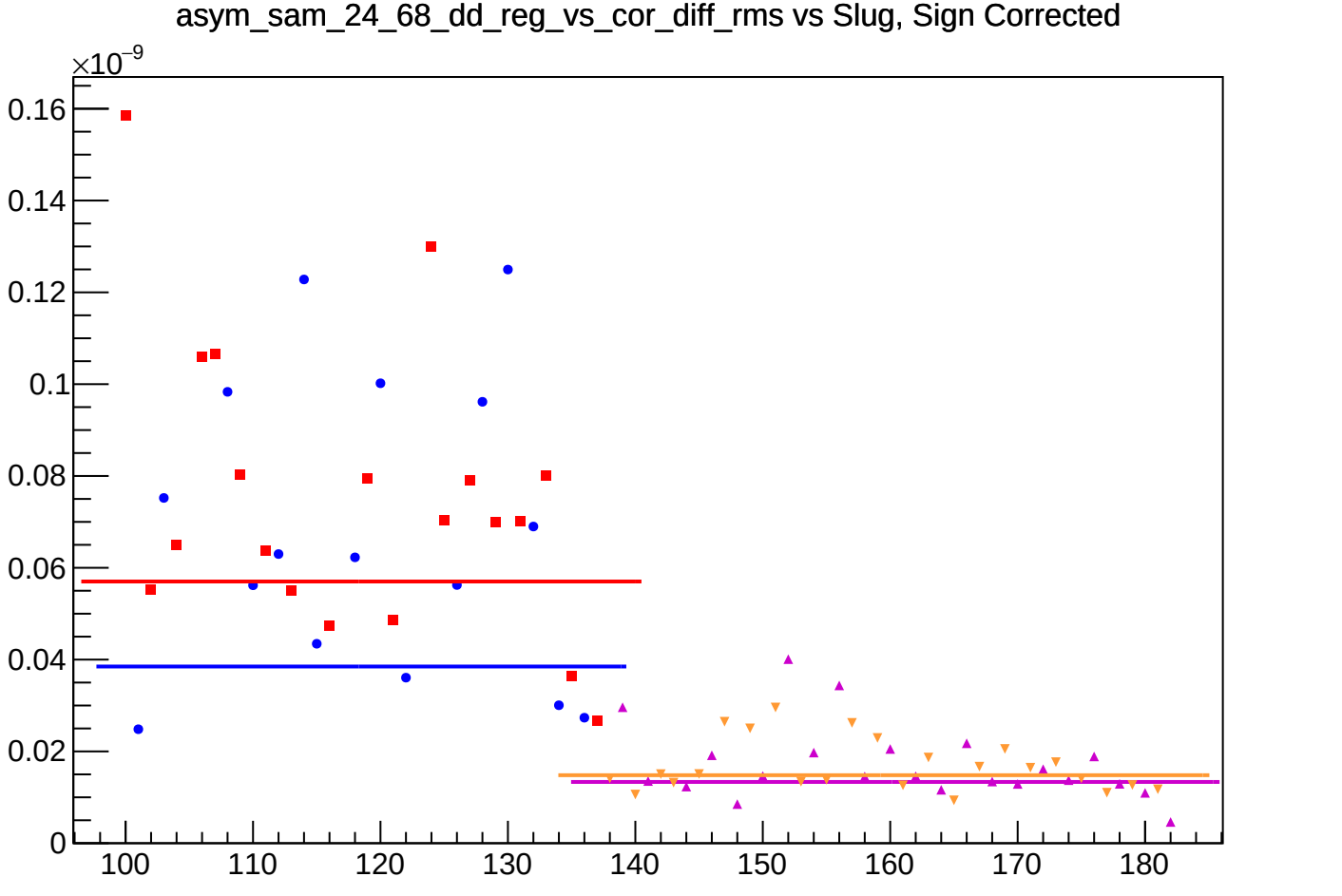
Left: 0.000+/-0.000 χ^2/NDF: 56.1/44

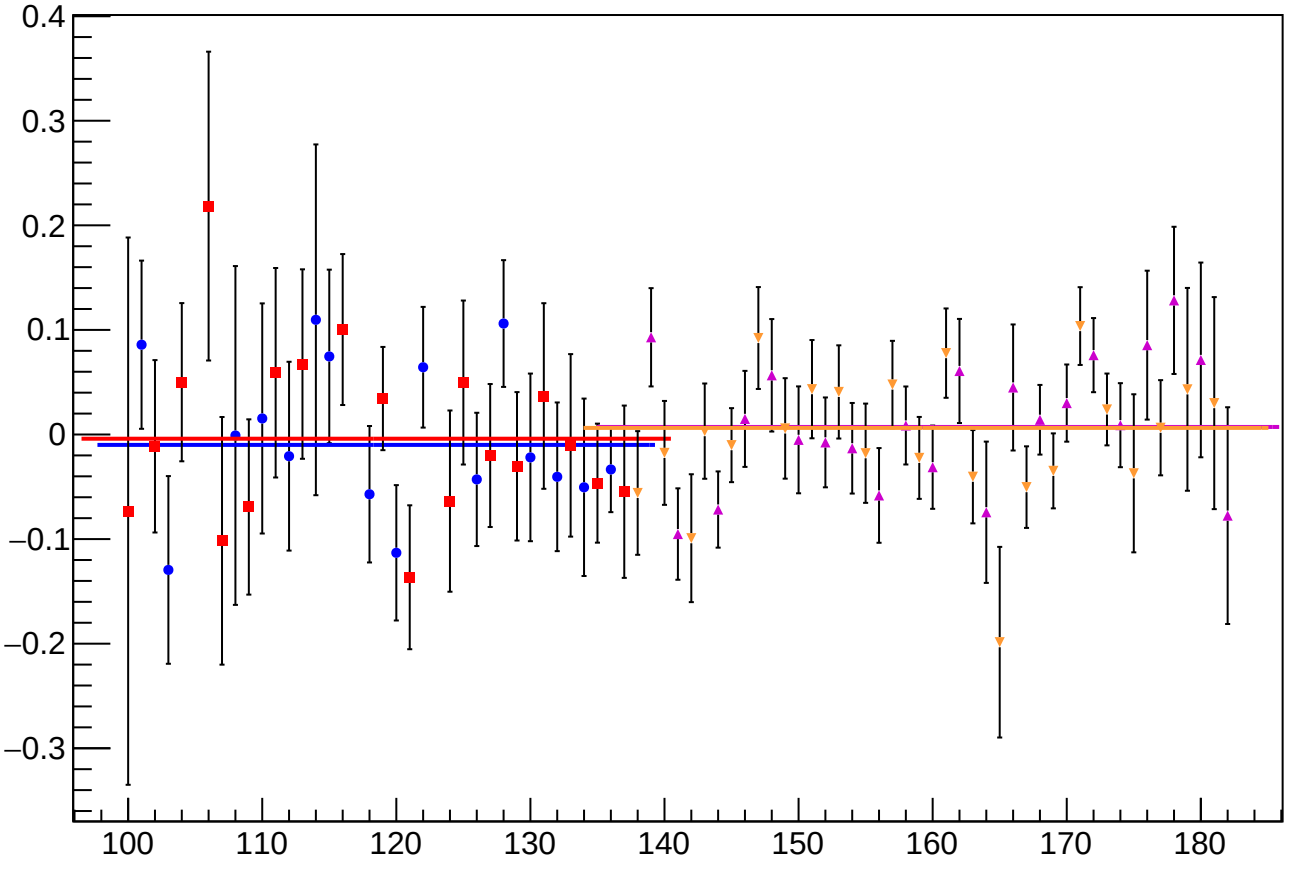
Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: 0.000+/-0.000 χ^2/NDF:50.0/37

Out: -0.000+/-0.000 χ^2/NDF:48.8/41

All: -0.000+/-0.000 χ^2/NDF: 99.4/79


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1382311.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1014158.8/22
Right Out: 0.000+/-0.000 χ²/NDF: 660994.1/18
Left In: 0.000+/-0.000 χ²/NDF:1948361.1/21
Left: 0.000+/-0.000 χ²/NDF: 3021563.7/44
Right: 0.000+/-0.000 χ²/NDF: 2430892.0/34
In: 0.000+/-0.000 χ²/NDF:5235917.7/37
Out: 0.000+/-0.000 χ²/NDF:4694610.2/41
All: 0.000+/-0.000 χ²/NDF: 9988293.7/79



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/22

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.010 χ^2/NDF:30.3/21

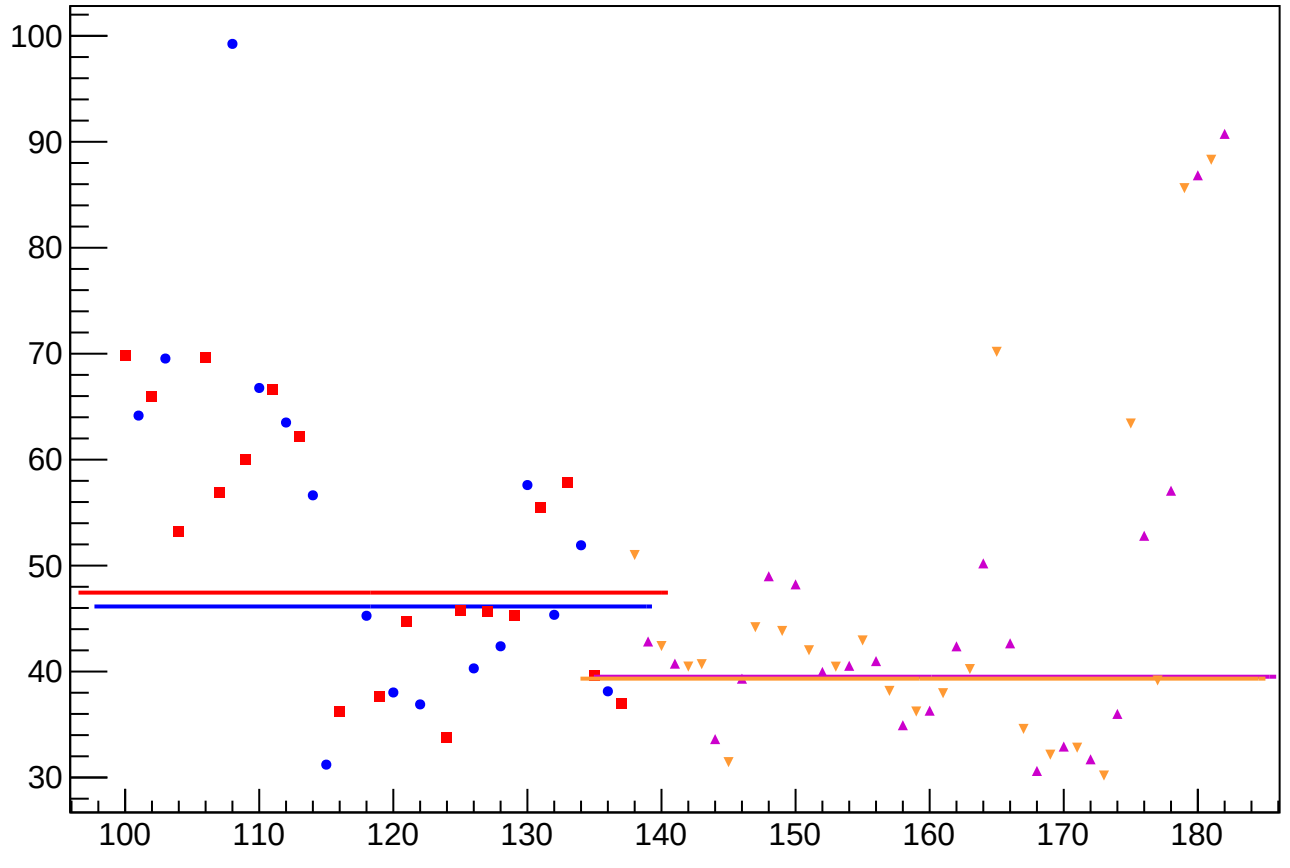
Left: 0.007+/-0.007 χ^2/NDF: 61.0/44

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.009 χ^2/NDF:45.2/37

Out: 0.004+/-0.009 χ^2/NDF:44.8/41

All: 0.004+/-0.006 χ^2/NDF: 90.0/79



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.331+/-0.007 χ^2/NDF:1929022.8/22

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.512+/-0.007 χ^2/NDF:1811675.4/21

Left: 39.420+/-0.005 χ^2/NDF: 3741046.3/44

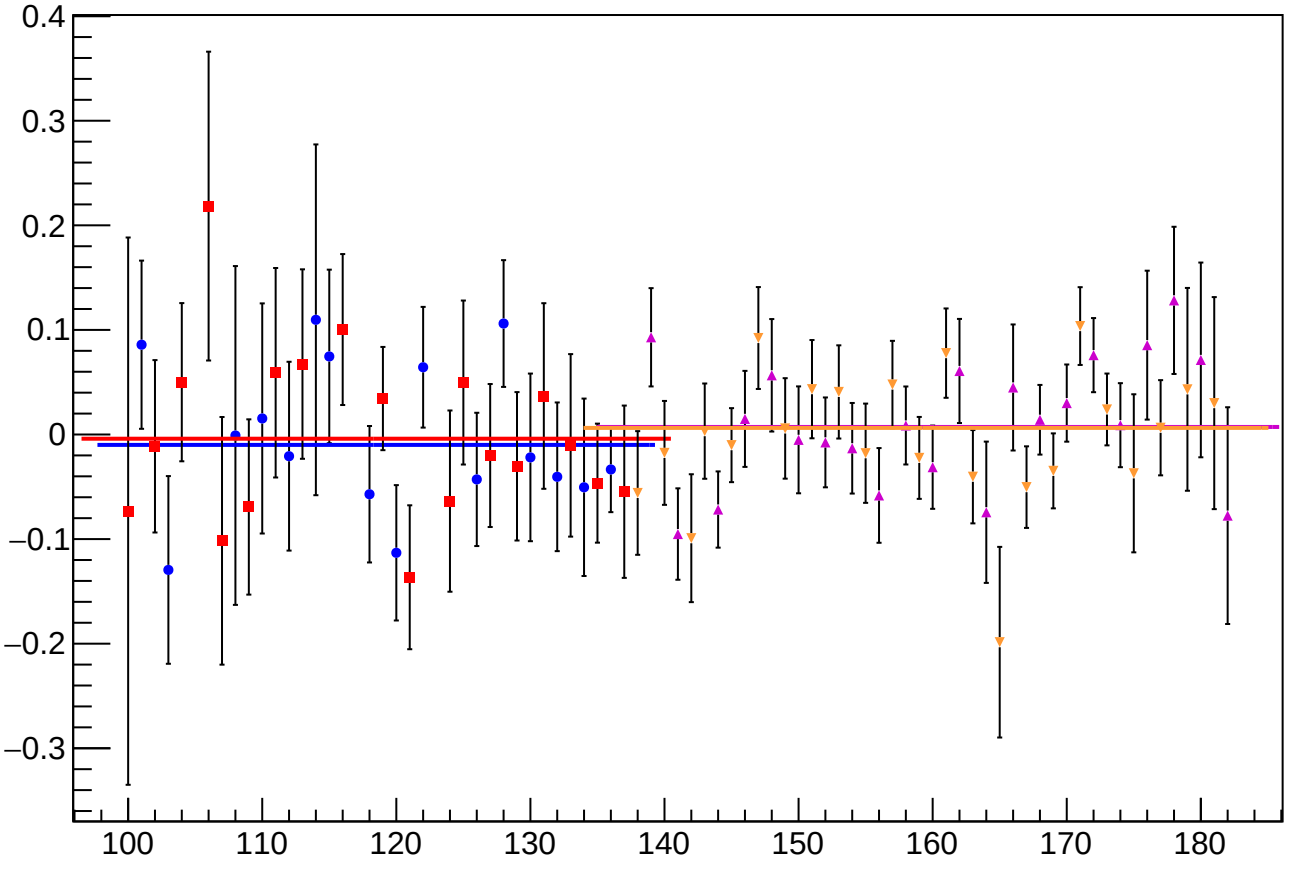
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 41.030+/-0.006 χ^2/NDF:2924289.4/37

Out: 41.126+/-0.006 χ^2/NDF:2897390.5/41

All: 41.079+/-0.004 χ^2/NDF: 5821806.1/79

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/22

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.010 χ^2/NDF:30.3/21

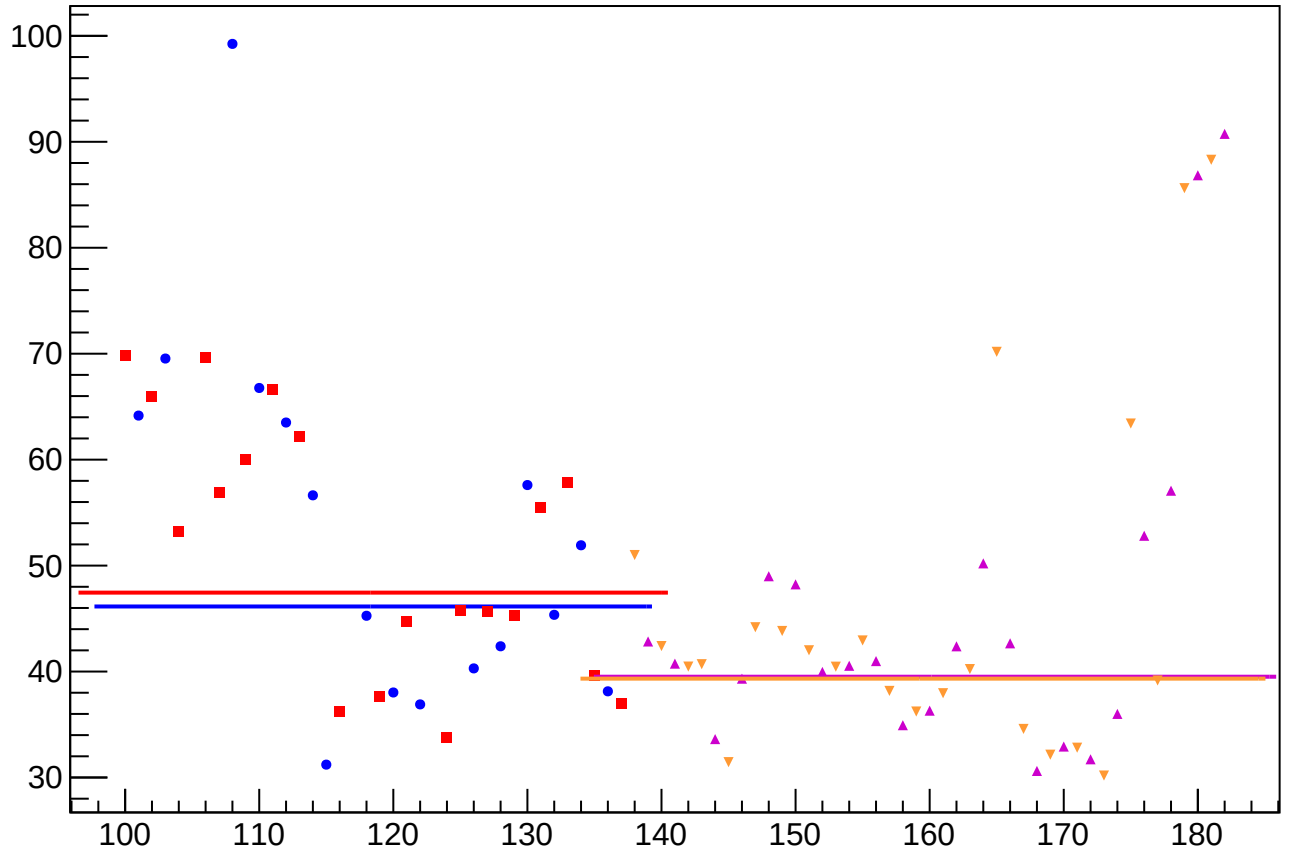
Left: 0.007+/-0.007 χ^2/NDF: 61.0/44

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.009 χ^2/NDF:45.2/37

Out: 0.004+/-0.009 χ^2/NDF:44.8/41

All: 0.004+/-0.006 χ^2/NDF: 90.0/79



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.331+/-0.007 χ^2/NDF:1929022.8/22

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.512+/-0.007 χ^2/NDF:1811675.4/21

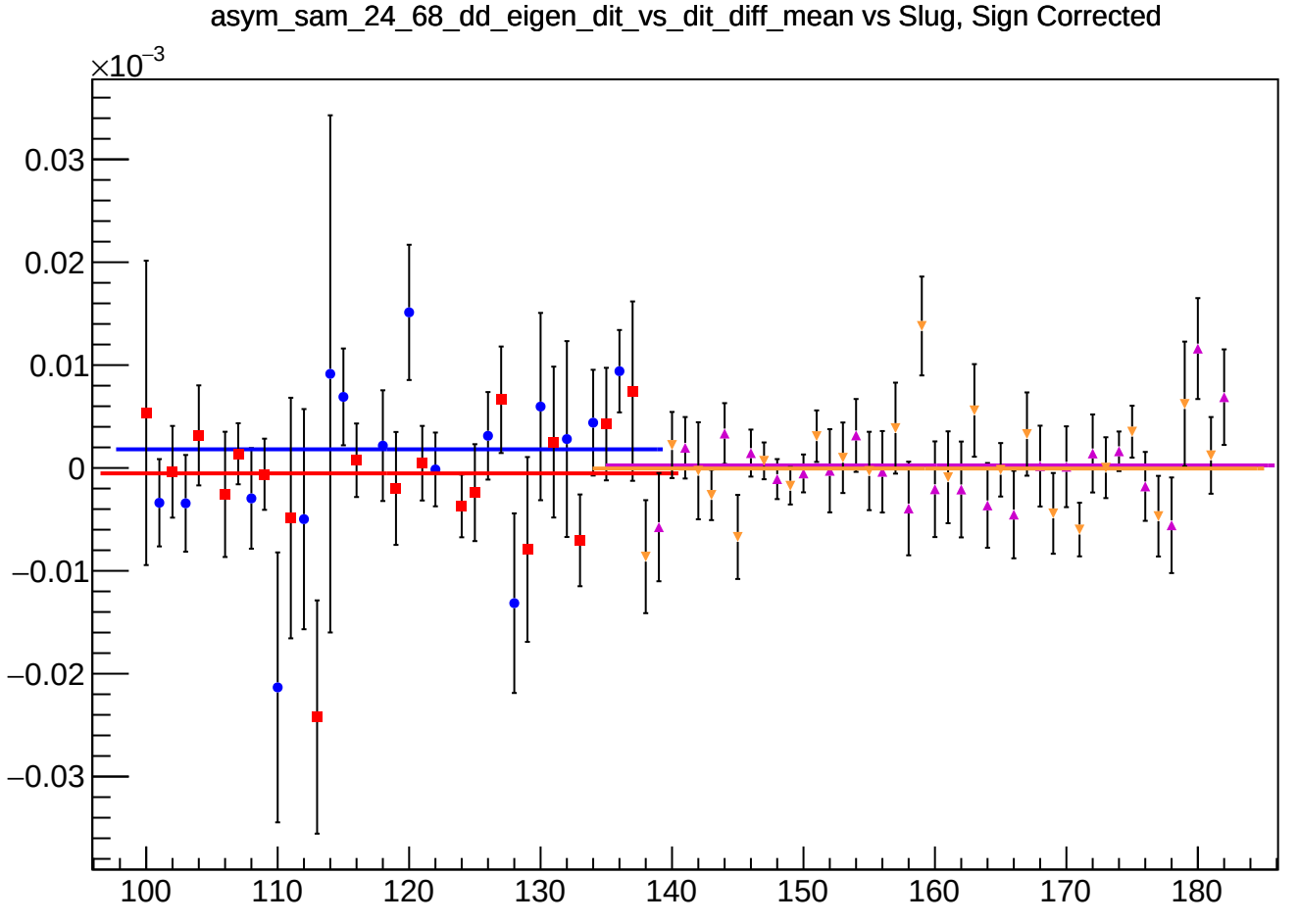
Left: 39.420+/-0.005 χ^2/NDF: 3741046.3/44

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 41.030+/-0.006 χ^2/NDF:2924289.4/37

Out: 41.126+/-0.006 χ^2/NDF:2897390.5/41

All: 41.079+/-0.004 χ^2/NDF: 5821806.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/22

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/21

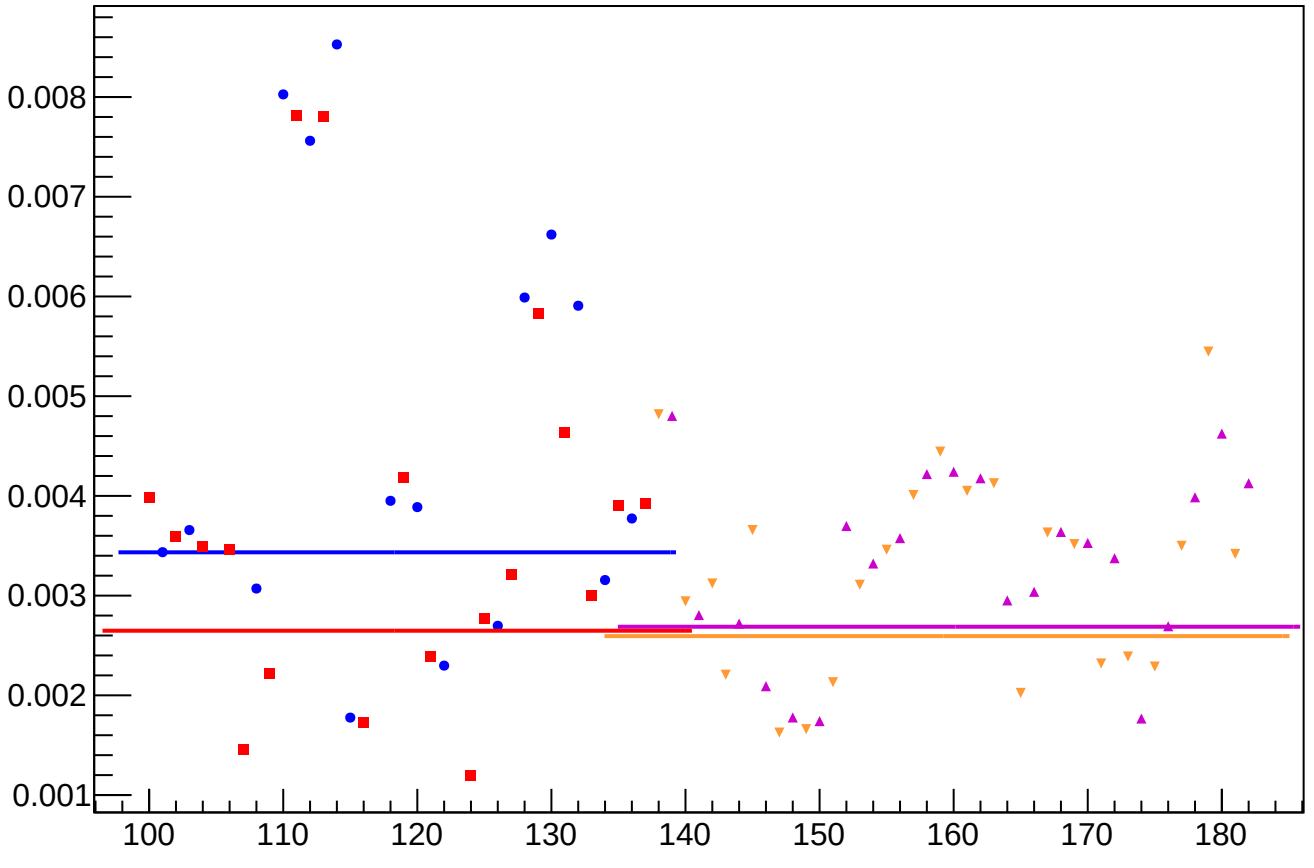
Left: 0.000+/-0.000 χ^2/NDF: 49.7/44

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:38.8/37

Out: -0.000+/-0.000 χ^2/NDF:45.7/41

All: 0.000+/-0.000 χ^2/NDF: 85.3/79



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3882946.4/22

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3787850.3/21

Left: 0.003+/-0.000 χ^2/NDF: 7690889.7/44

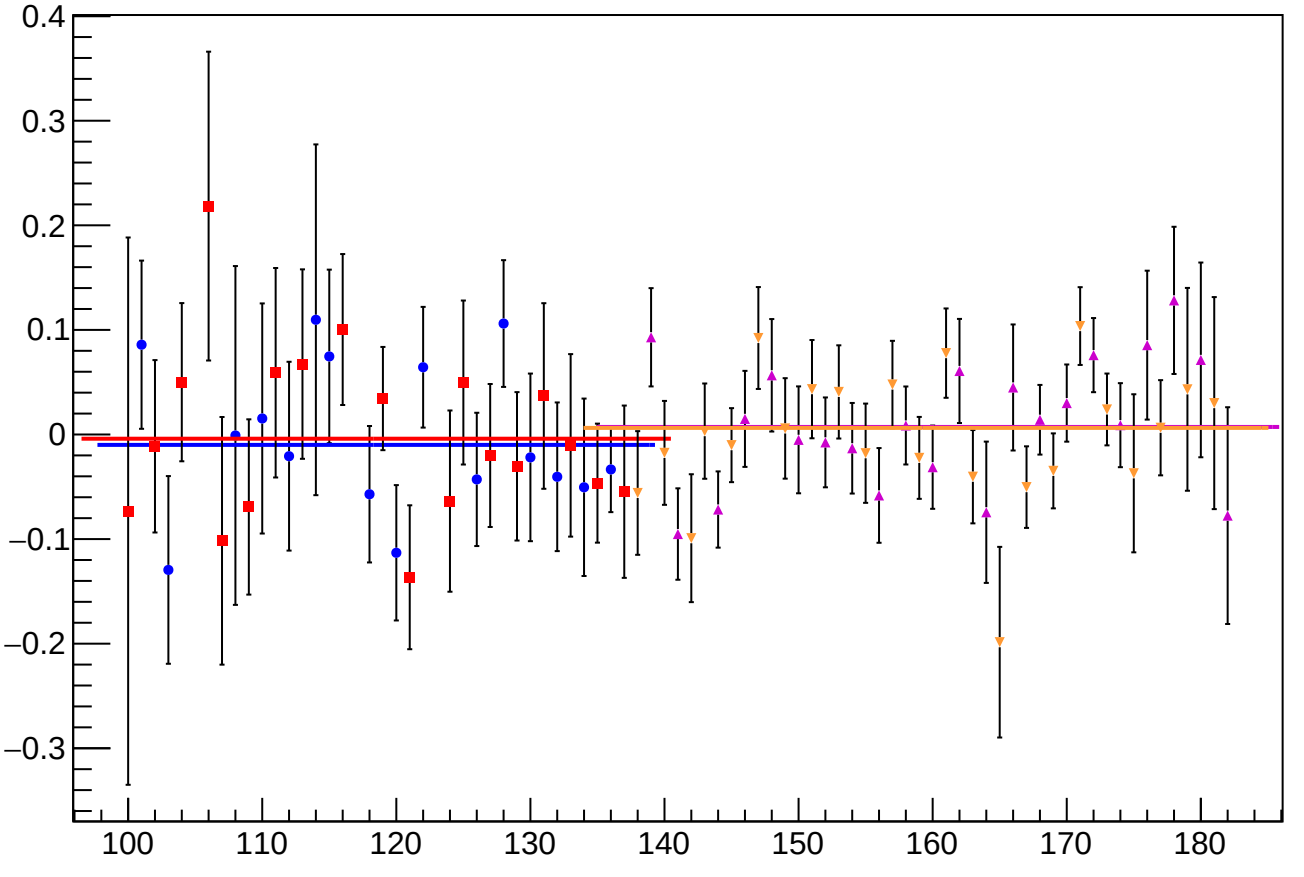
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:6011502.6/37

Out: 0.003+/-0.000 χ^2/NDF:6583465.8/41

All: 0.003+/-0.000 χ^2/NDF: 12746153.7/79

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: 0.006+/-0.010 χ^2/NDF:30.7/22

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.010 χ^2/NDF:30.3/21

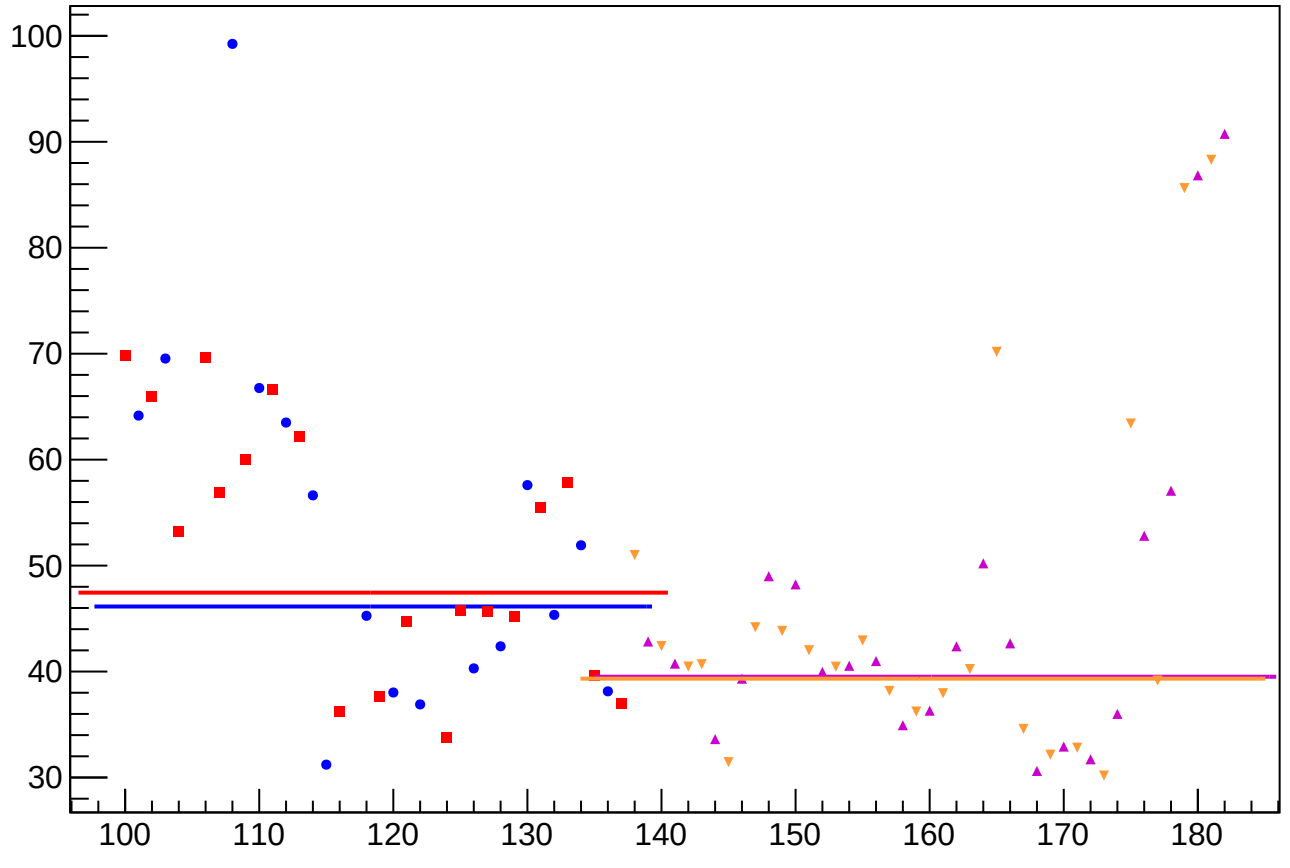
Left: 0.007+/-0.007 χ^2/NDF: 61.0/44

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.009 χ^2/NDF:45.2/37

Out: 0.004+/-0.009 χ^2/NDF:44.8/41

All: 0.004+/-0.006 χ^2/NDF: 90.0/79



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.331+/-0.007 χ^2/NDF:1929063.6/22

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.512+/-0.007 χ^2/NDF:1811703.3/21

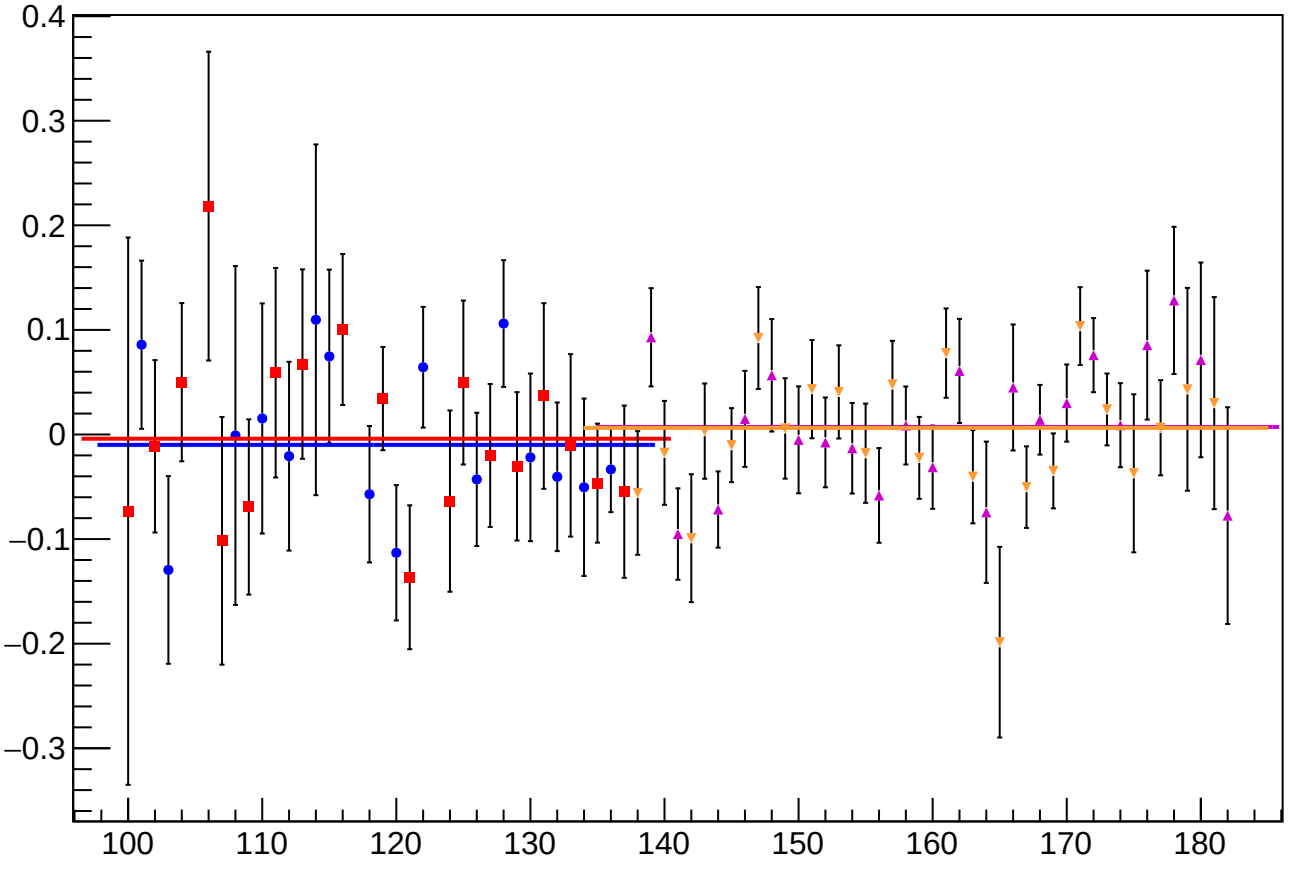
Left: 39.420+/-0.005 χ^2/NDF: 3741113.9/44

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 41.029+/-0.006 χ^2/NDF:2924212.2/37

Out: 41.126+/-0.006 χ^2/NDF:2897337.5/41

All: 41.078+/-0.004 χ^2/NDF: 5821676.8/79



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/22

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.010 χ^2/NDF:30.3/21

Left: 0.007+/-0.007 χ^2/NDF: 61.0/44

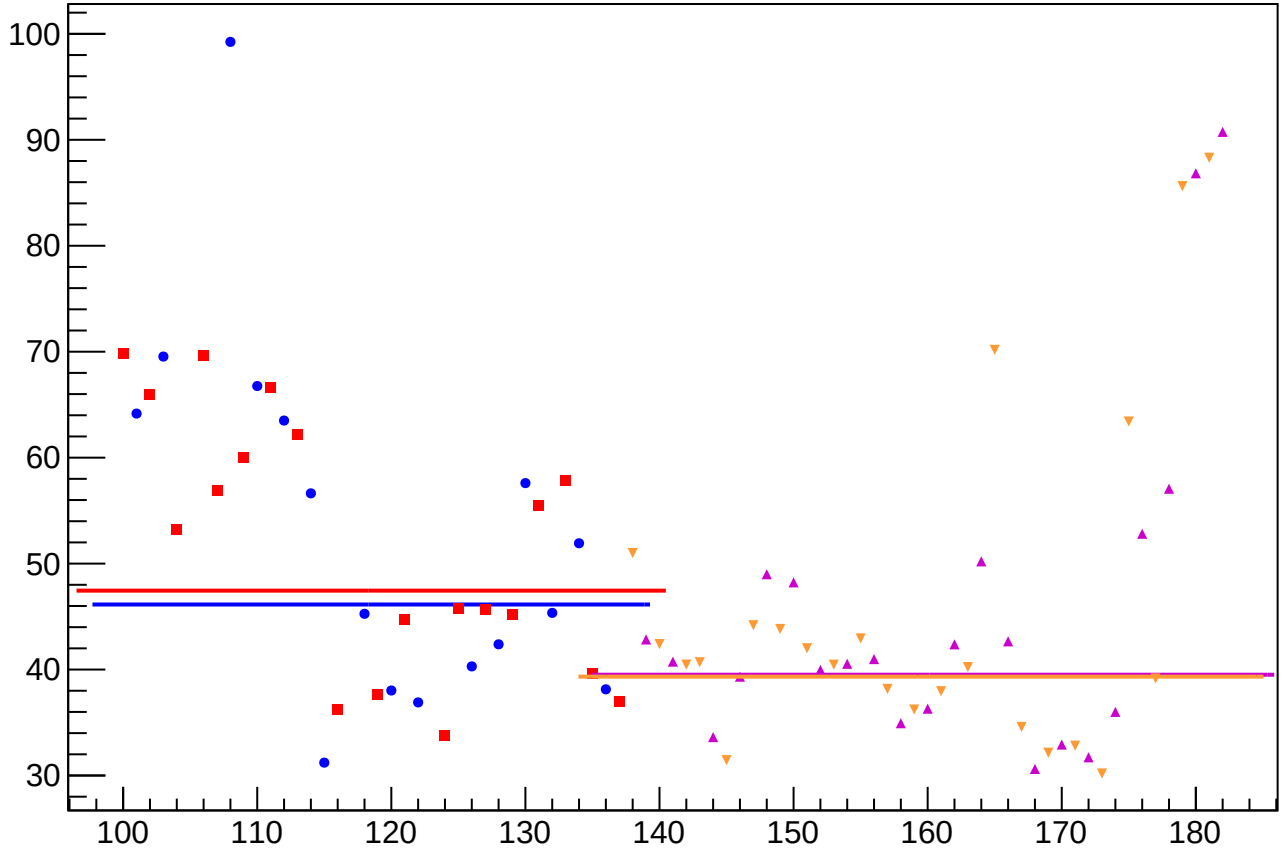
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.009 χ^2/NDF:45.2/37

Out: 0.004+/-0.009 χ^2/NDF:44.8/41

All: 0.004+/-0.006 χ^2/NDF: 90.0/79

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: 39.331+/-0.007 χ^2/NDF:1929063.6/22

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.512+/-0.007 χ^2/NDF:1811703.3/21

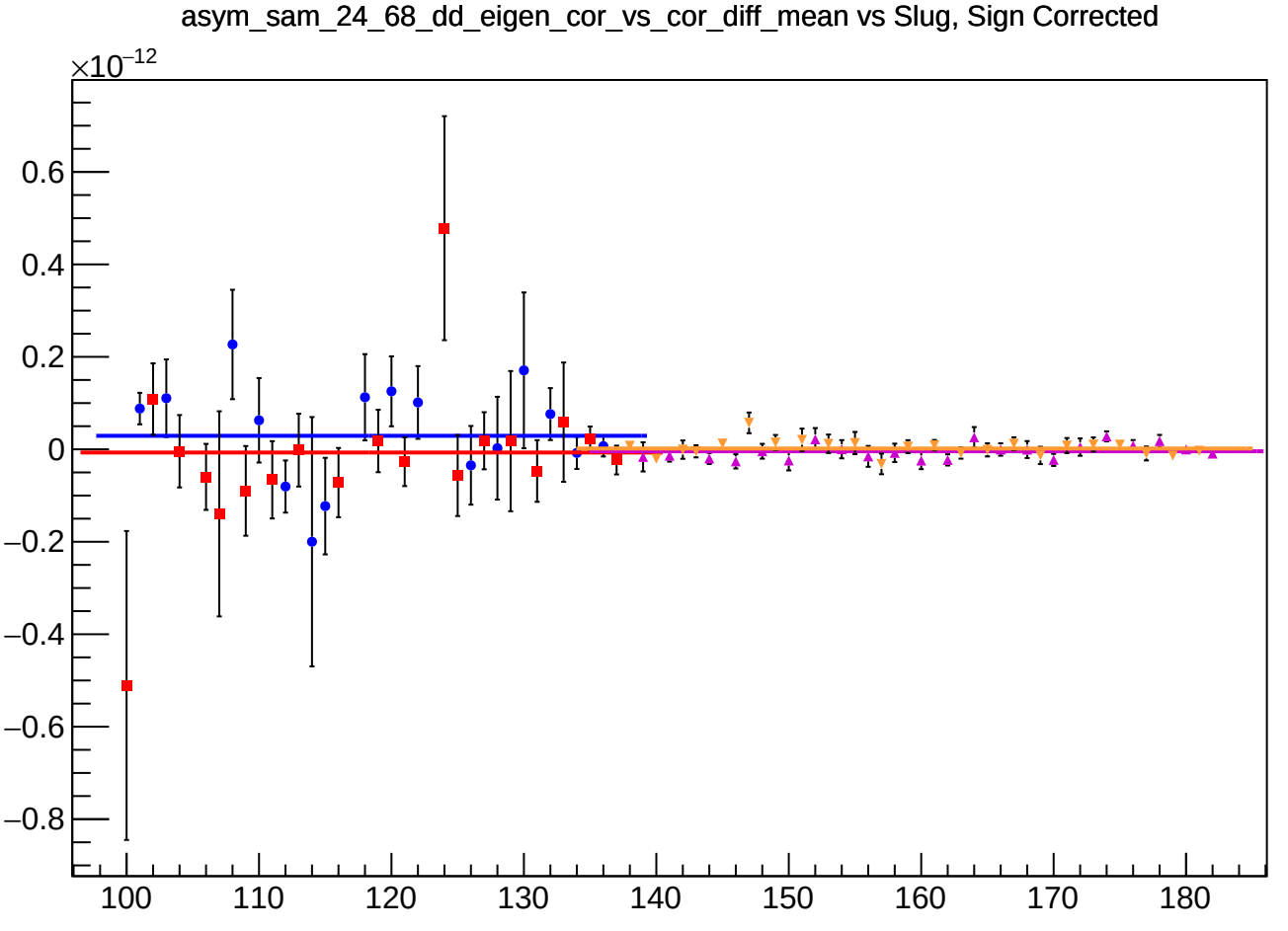
Left: 39.420+/-0.005 χ^2/NDF: 3741113.9/44

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 41.029+/-0.006 χ^2/NDF:2924212.2/37

Out: 41.126+/-0.006 χ^2/NDF:2897337.5/41

All: 41.078+/-0.004 χ^2/NDF: 5821676.8/79



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/22

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

Left In: -0.000+/-0.000 χ^2/NDF:27.4/21

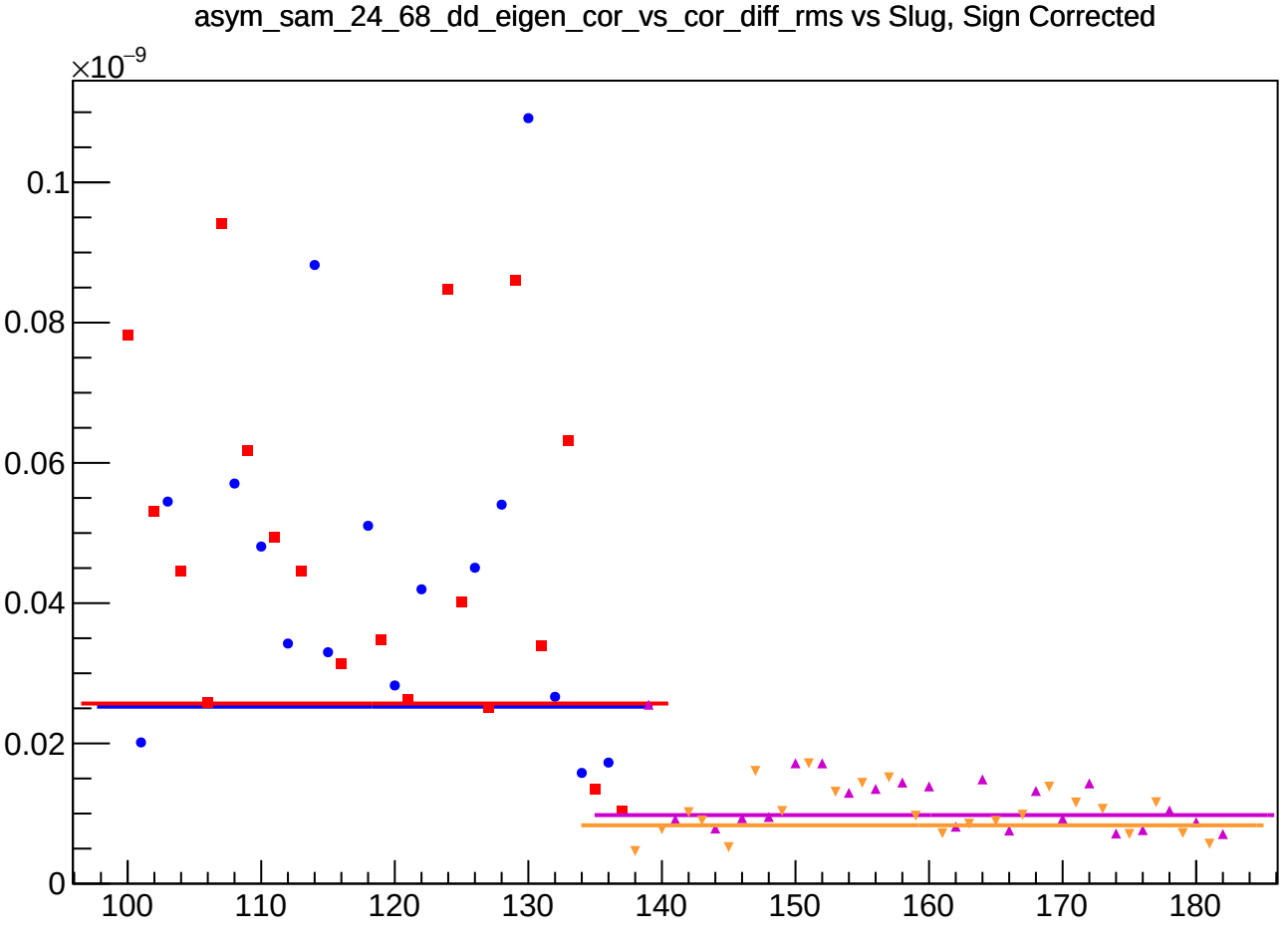
Left: -0.000+/-0.000 χ^2/NDF: 52.4/44

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:54.1/37

Out: 0.000+/-0.000 χ^2/NDF:37.5/41

All: -0.000+/-0.000 χ^2/NDF: 92.6/79



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2239604.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2032021.6/21

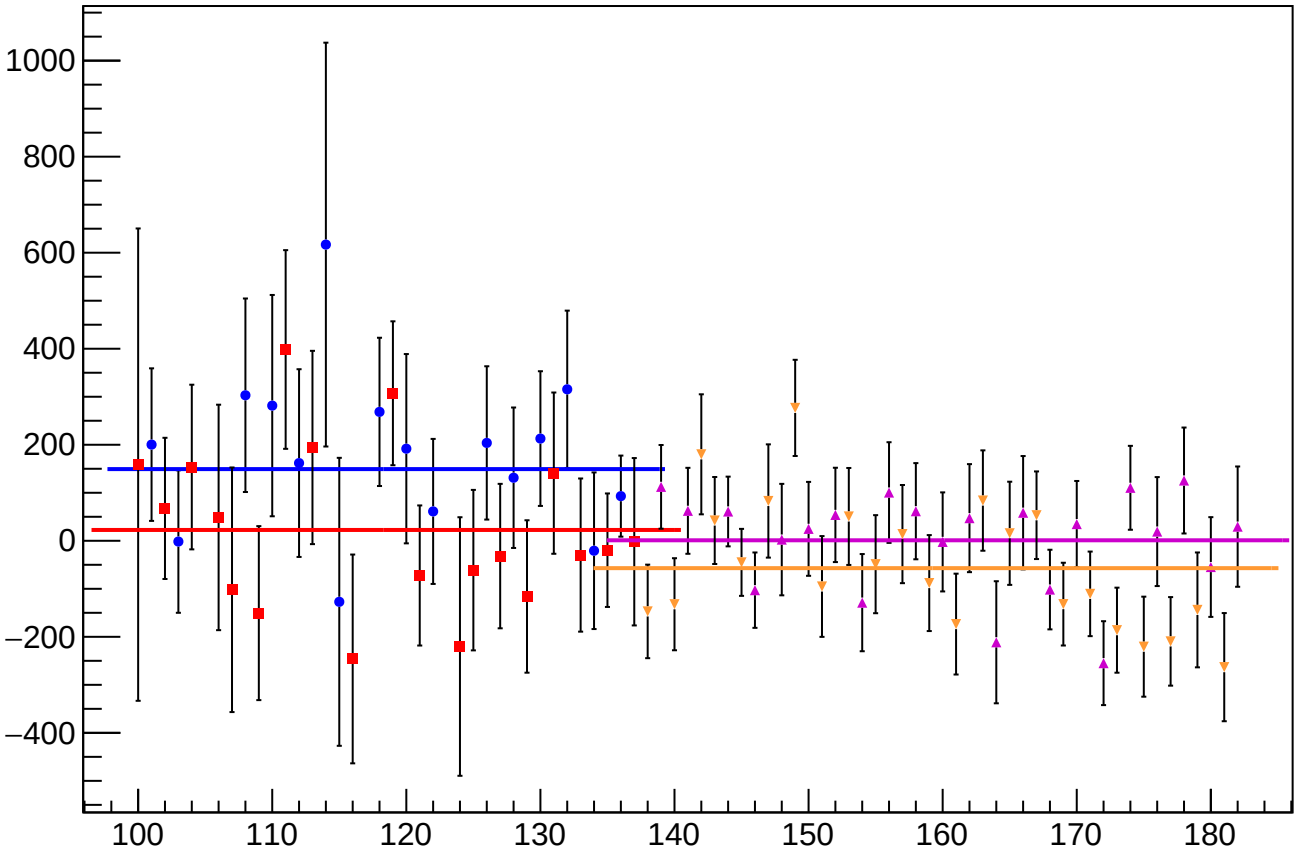
Left: 0.000+/-0.000 χ^2/NDF: 4516907.5/44

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:6633386.8/37

Out: 0.000+/-0.000 χ^2/NDF:7859255.9/41

All: 0.000+/-0.000 χ^2/NDF: 14815866.5/79



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -56.988+/-20.429 χ^2/NDF:38.0/22

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 1.028+/-20.700 χ^2/NDF:24.5/21

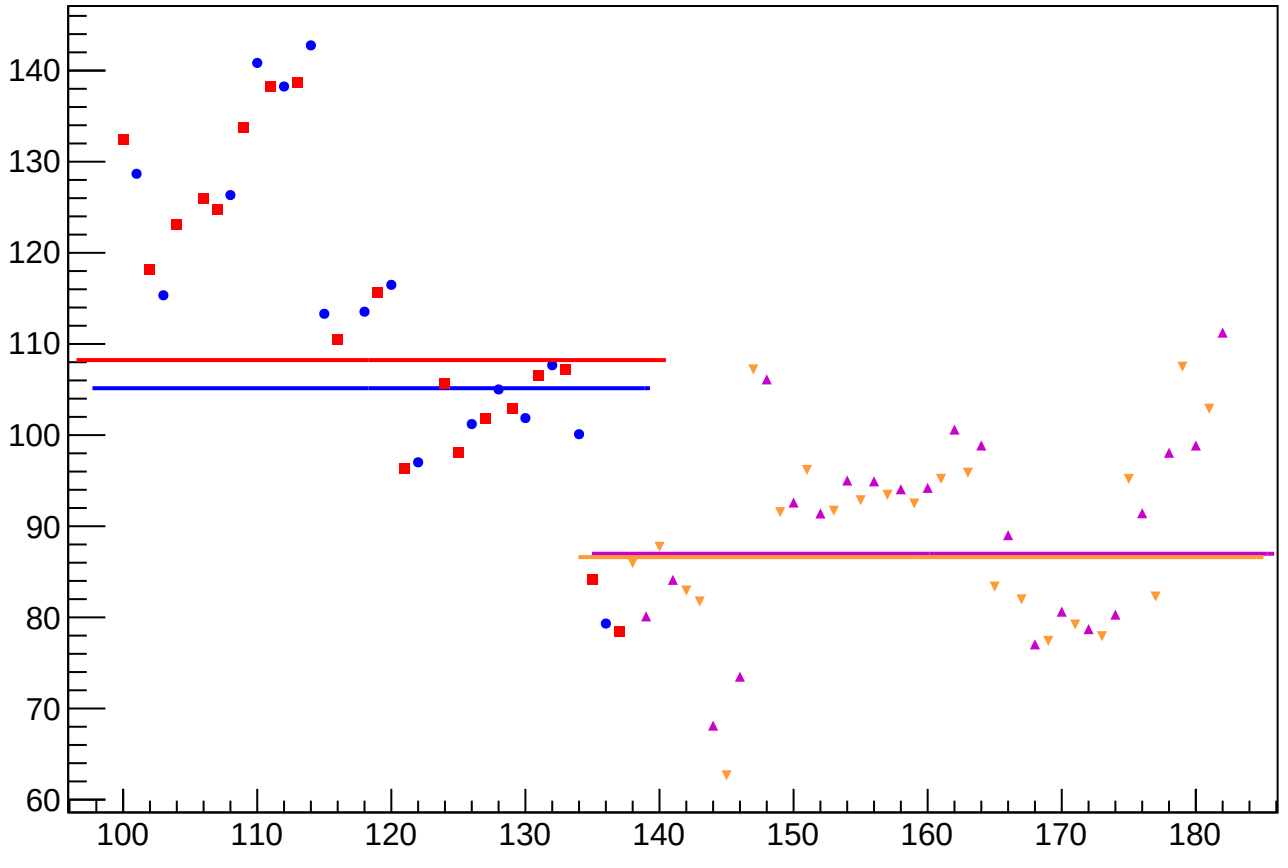
Left: -28.363+/-14.540 χ^2/NDF: 66.4/44

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 32.739+/-18.354 χ^2/NDF:43.4/37

Out: -40.599+/-18.203 χ^2/NDF:55.3/41

All: -4.233+/-12.924 χ^2/NDF: 106.8/79



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 86.612+/-0.014 χ^2/NDF:567227.4/22

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 86.981+/-0.015 χ^2/NDF:557694.9/21

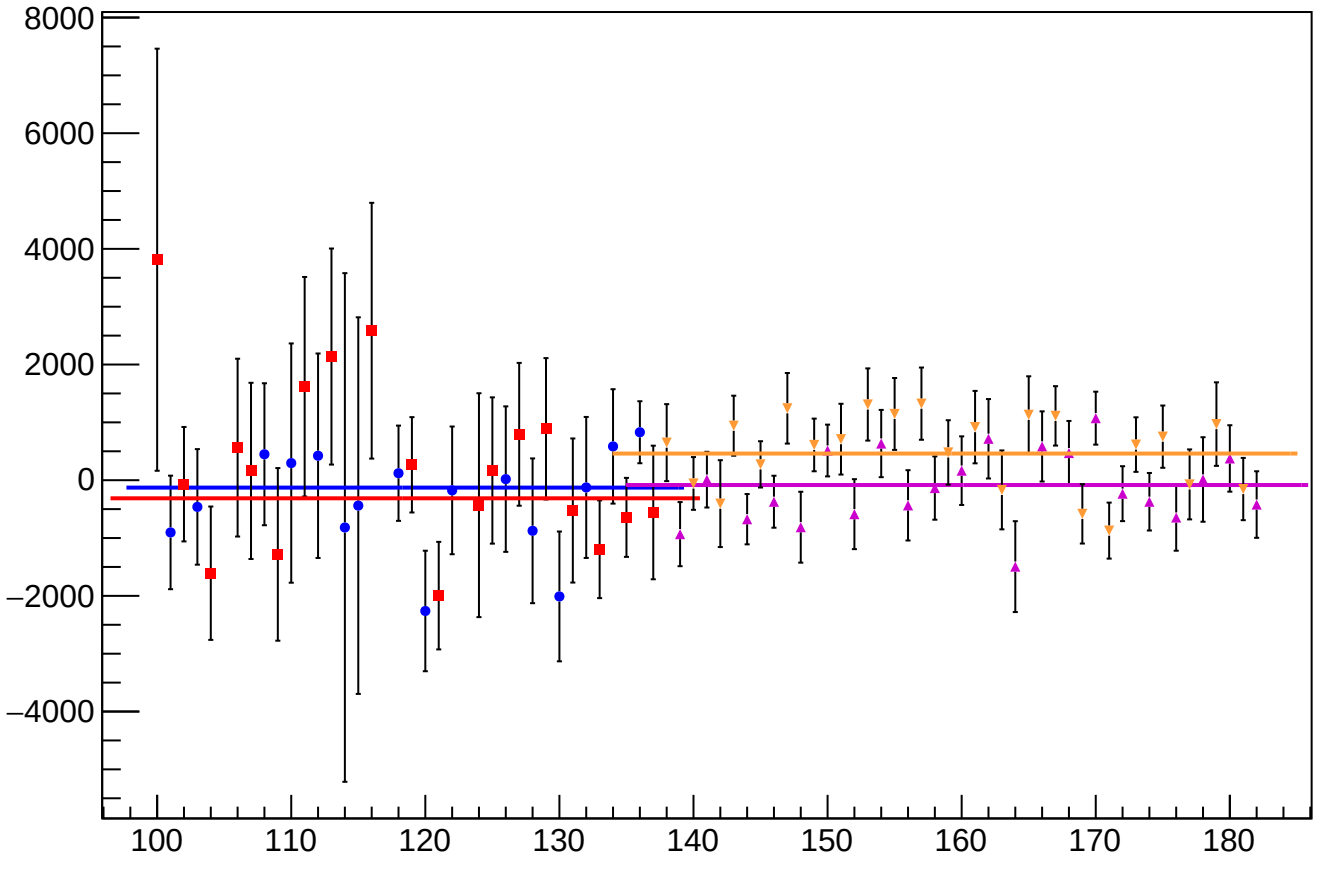
Left: 86.794+/-0.010 χ^2/NDF: 1125245.2/44

Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 90.866+/-0.013 χ^2/NDF:1295480.7/37

Out: 91.067+/-0.013 χ^2/NDF:1378774.9/41

All: 90.967+/-0.009 χ^2/NDF: 2674376.2/79



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 460.759+/-115.644 χ^2/NDF:29.3/22

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -83.427+/-116.290 χ^2/NDF:26.1/21

Left: 190.182+/-82.000 χ^2/NDF: 66.5/44

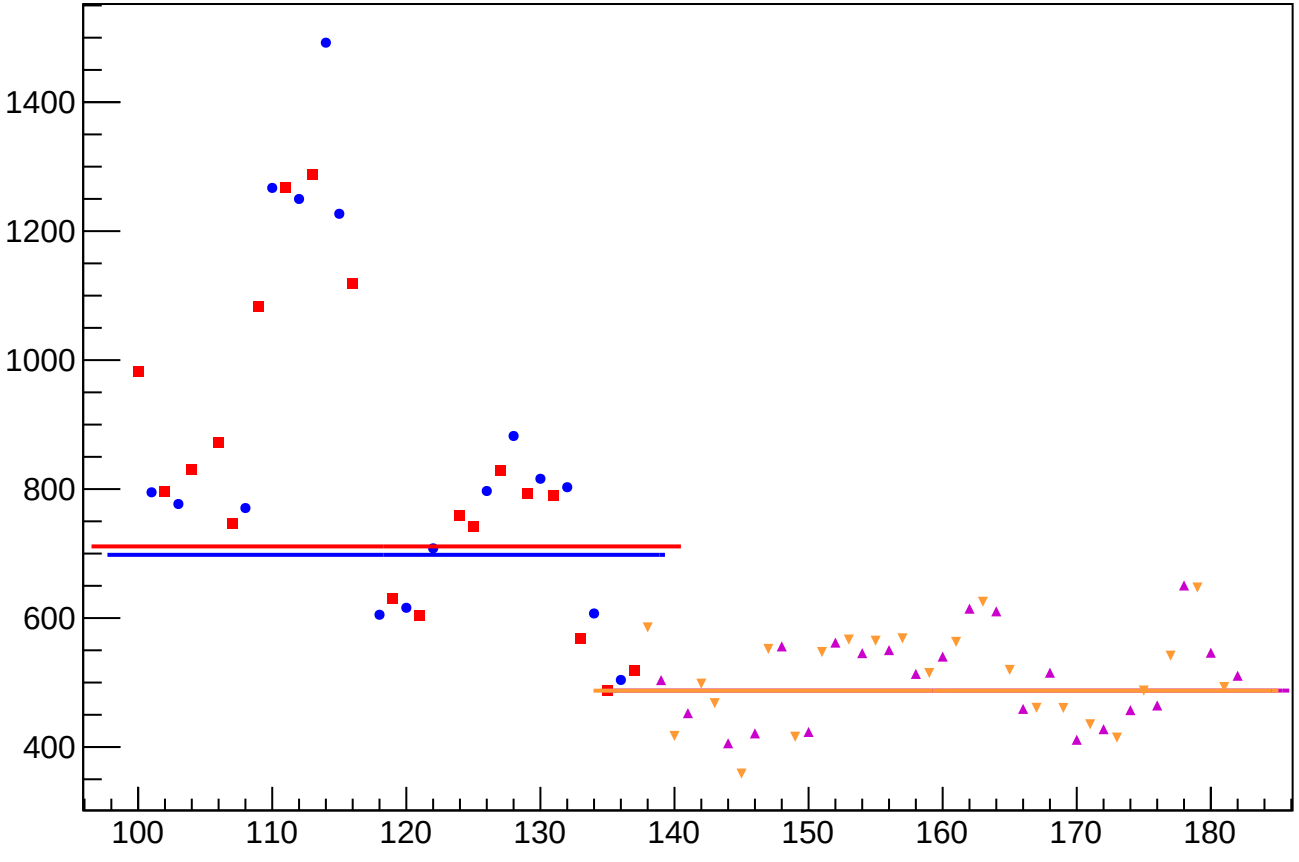
Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -90.471+/-106.718 χ^2/NDF:38.5/37

Out: 340.910+/-106.312 χ^2/NDF:51.3/41

All: 126.043+/-75.317 χ^2/NDF: 97.9/79

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 487.415+/-0.082 χ^2/NDF:805026.6/22

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 487.519+/-0.082 χ^2/NDF:632597.2/21

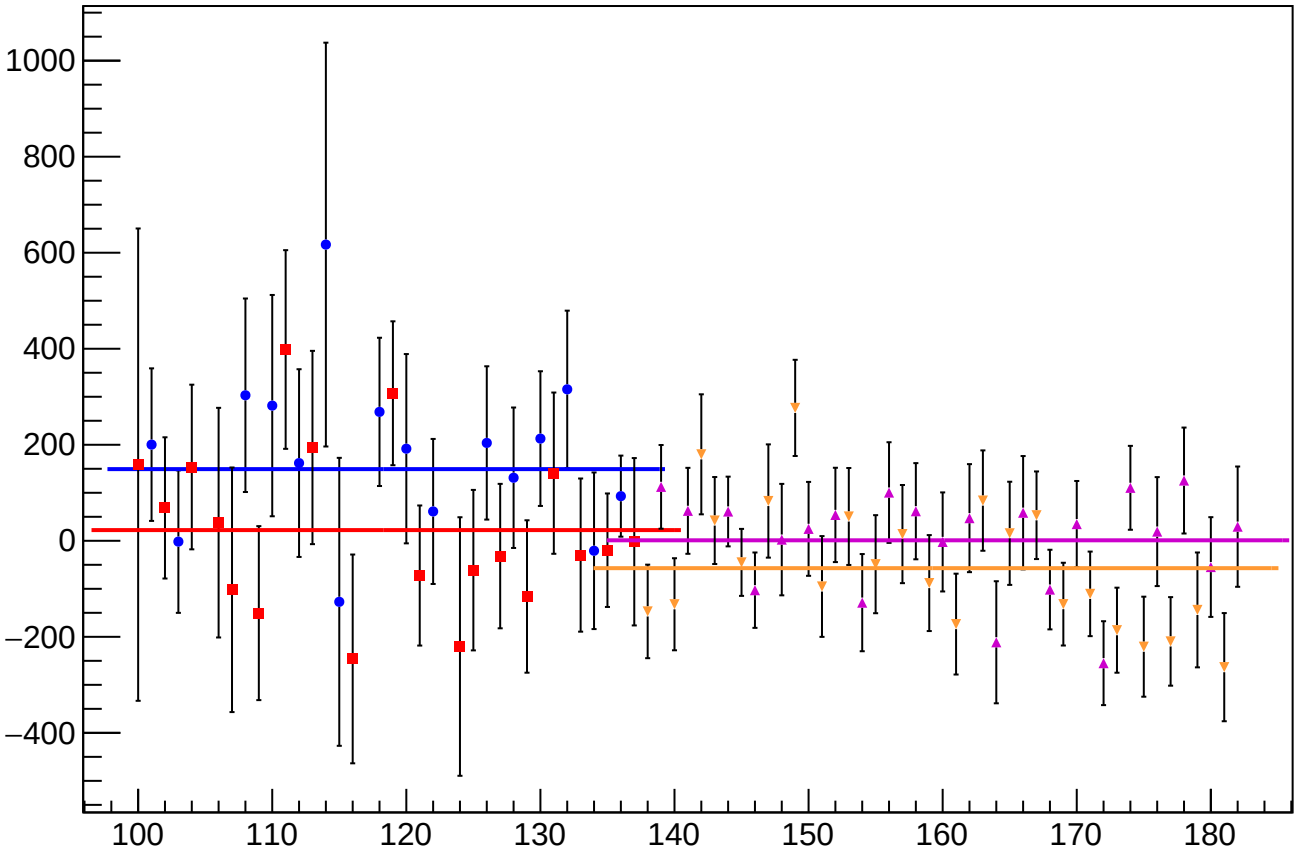
Left: 487.467+/-0.058 χ^2/NDF: 1437624.6/44

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 520.751+/-0.075 χ^2/NDF:2580169.8/37

Out: 522.059+/-0.075 χ^2/NDF:2998982.2/41

All: 521.408+/-0.053 χ^2/NDF: 5579302.7/79



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -56.992+/-20.429 χ^2/NDF:38.0/22

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 1.025+/-20.700 χ^2/NDF:24.5/21

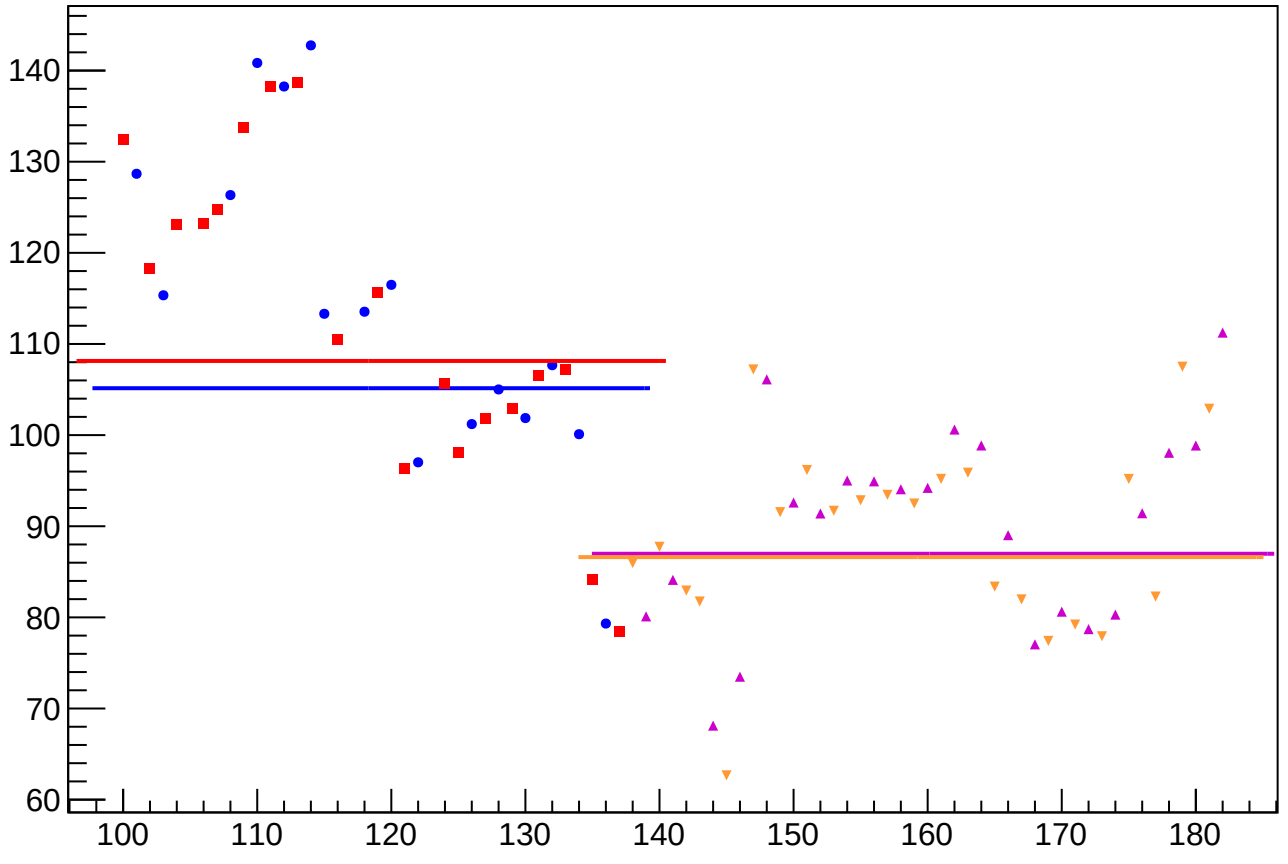
Left: -28.366+/-14.540 χ^2/NDF: 66.4/44

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 32.735+/-18.354 χ^2/NDF:43.4/37

Out: -40.669+/-18.205 χ^2/NDF:55.3/41

All: -4.265+/-12.925 χ^2/NDF: 106.8/79



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.612+/-0.014 χ^2/NDF:567227.4/22

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.981+/-0.015 χ^2/NDF:557694.9/21

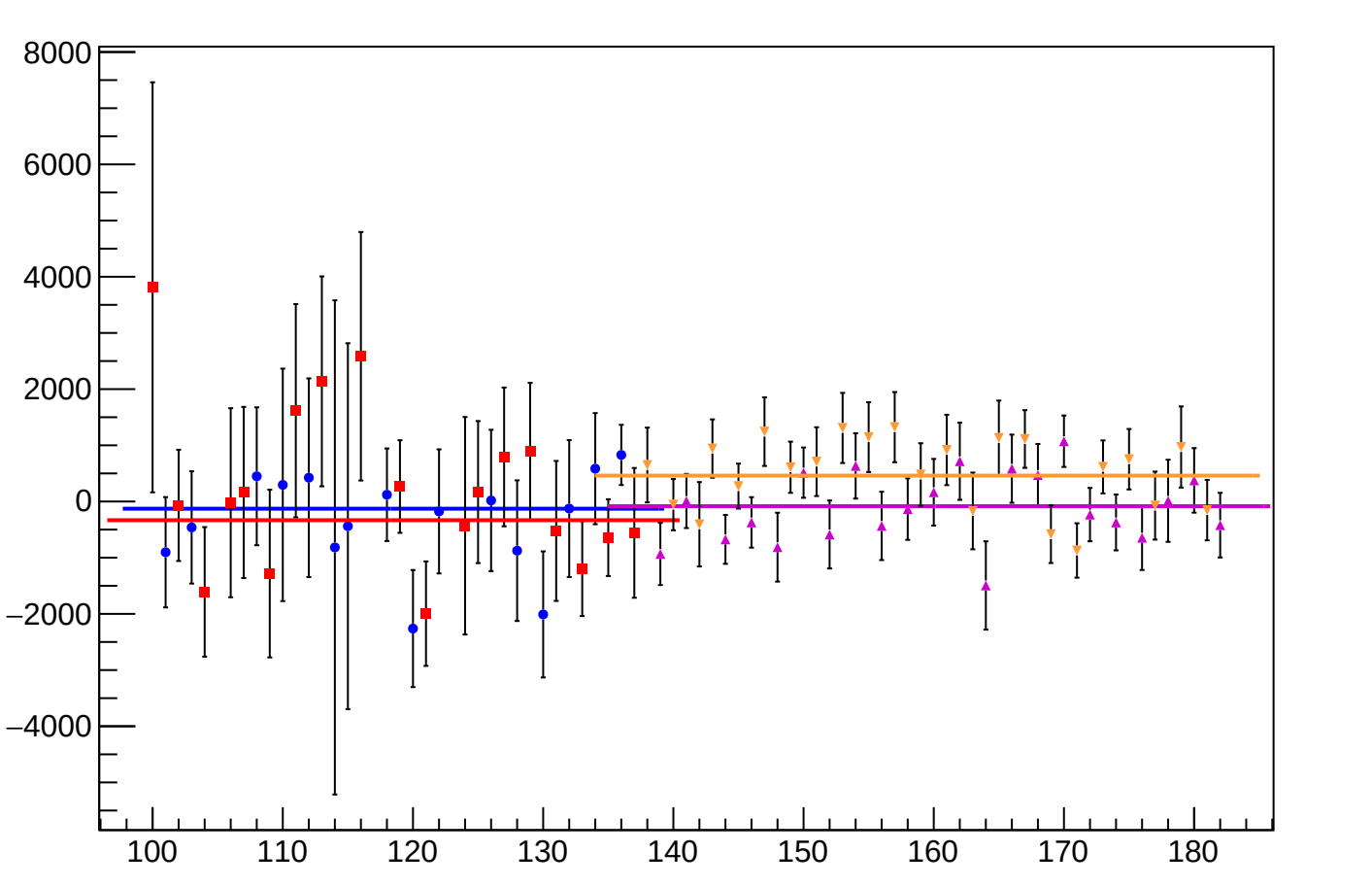
Left: 86.794+/-0.010 χ^2/NDF: 1125245.2/44

Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.866+/-0.013 χ^2/NDF:1295481.1/37

Out: 91.043+/-0.013 χ^2/NDF:1370654.2/41

All: 90.955+/-0.009 χ^2/NDF: 2666229.0/79



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 460.757+/-115.644 χ^2/NDF:29.3/22

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -83.425+/-116.290 χ^2/NDF:26.1/21

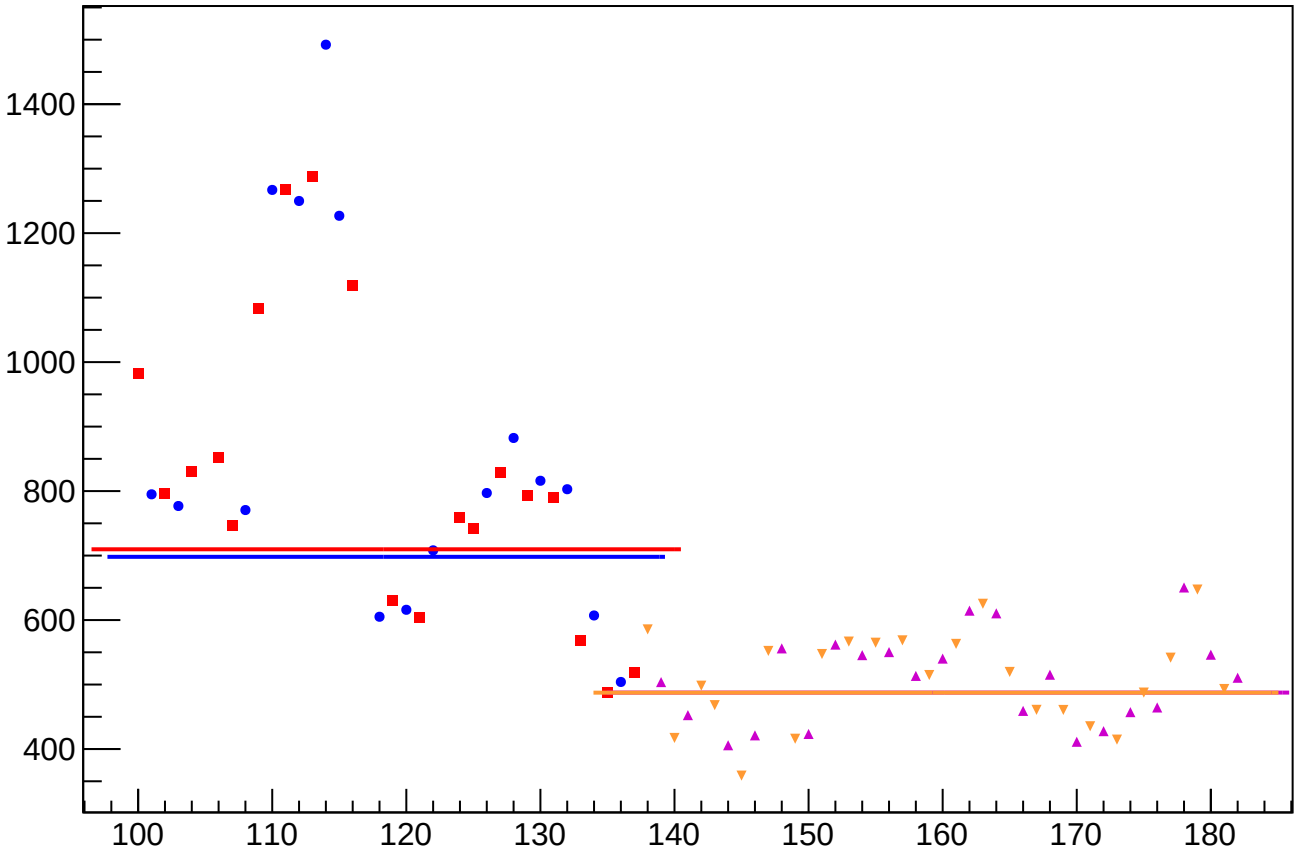
Left: 190.182+/-82.000 χ^2/NDF: 66.5/44

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -90.468+/-106.718 χ^2/NDF:38.5/37

Out: 338.407+/-106.354 χ^2/NDF:51.3/41

All: 124.702+/-75.332 χ^2/NDF: 97.9/79



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 487.415+/-0.082 χ^2/NDF:805023.5/22

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 487.519+/-0.082 χ^2/NDF:632600.9/21

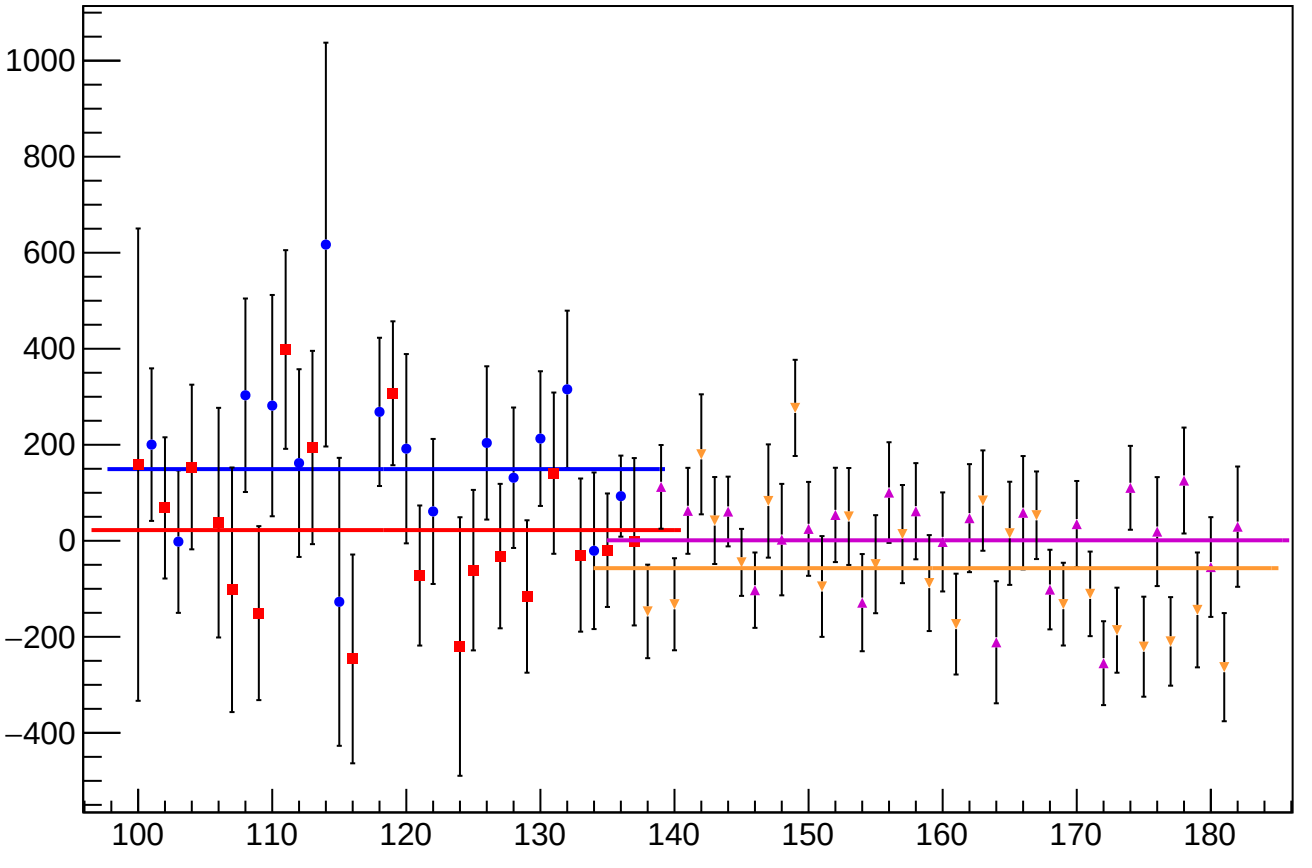
Left: 487.467+/-0.058 χ^2/NDF: 1437625.2/44

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 520.751+/-0.075 χ^2/NDF:2580186.9/37

Out: 521.700+/-0.075 χ^2/NDF:2972106.1/41

All: 521.227+/-0.053 χ^2/NDF: 5552372.3/79



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -56.992+/-20.429 χ^2/NDF:38.0/22

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 1.025+/-20.700 χ^2/NDF:24.5/21

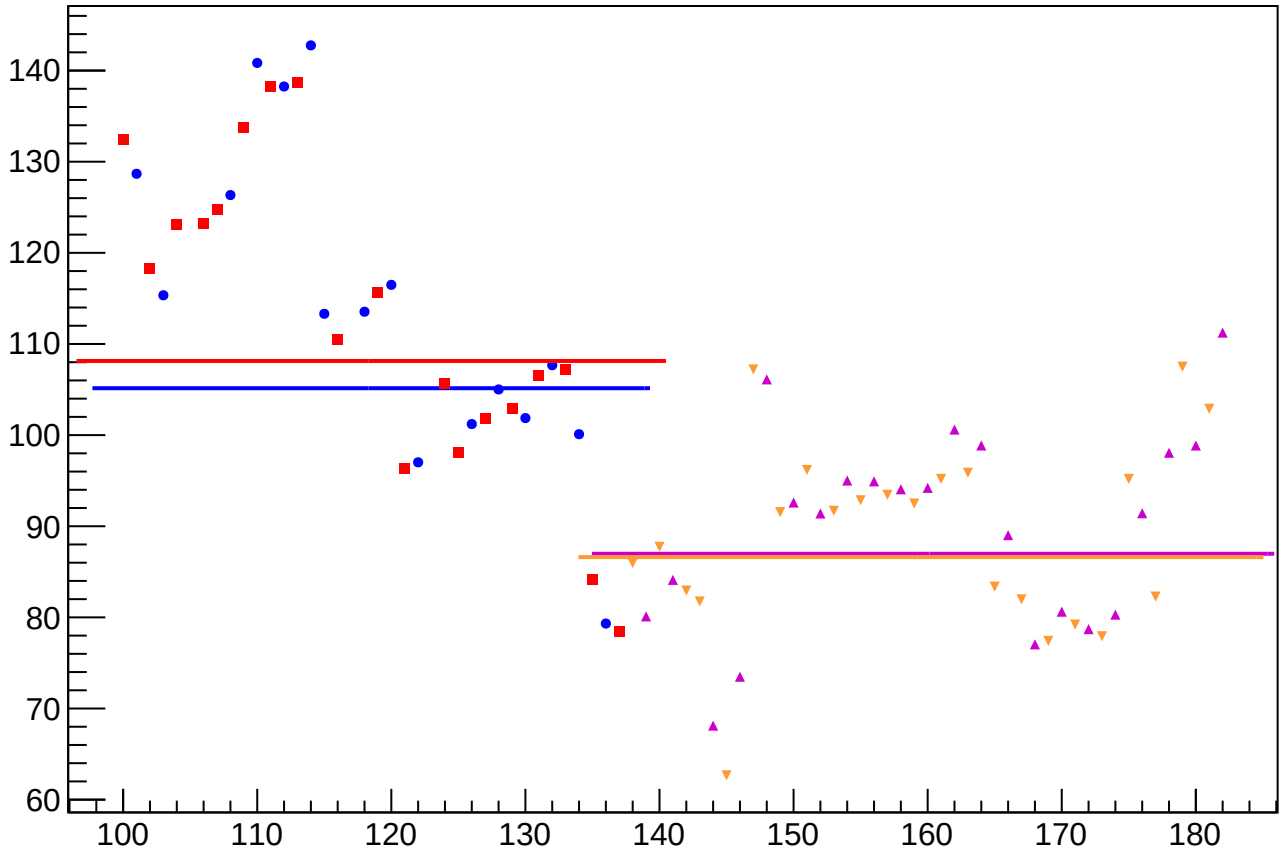
Left: -28.366+/-14.540 χ^2/NDF: 66.4/44

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 32.735+/-18.354 χ^2/NDF:43.4/37

Out: -40.669+/-18.205 χ^2/NDF:55.3/41

All: -4.265+/-12.925 χ^2/NDF: 106.8/79



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.612+/-0.014 χ^2/NDF:567227.4/22

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.981+/-0.015 χ^2/NDF:557694.9/21

Left: 86.794+/-0.010 χ^2/NDF: 1125245.2/44

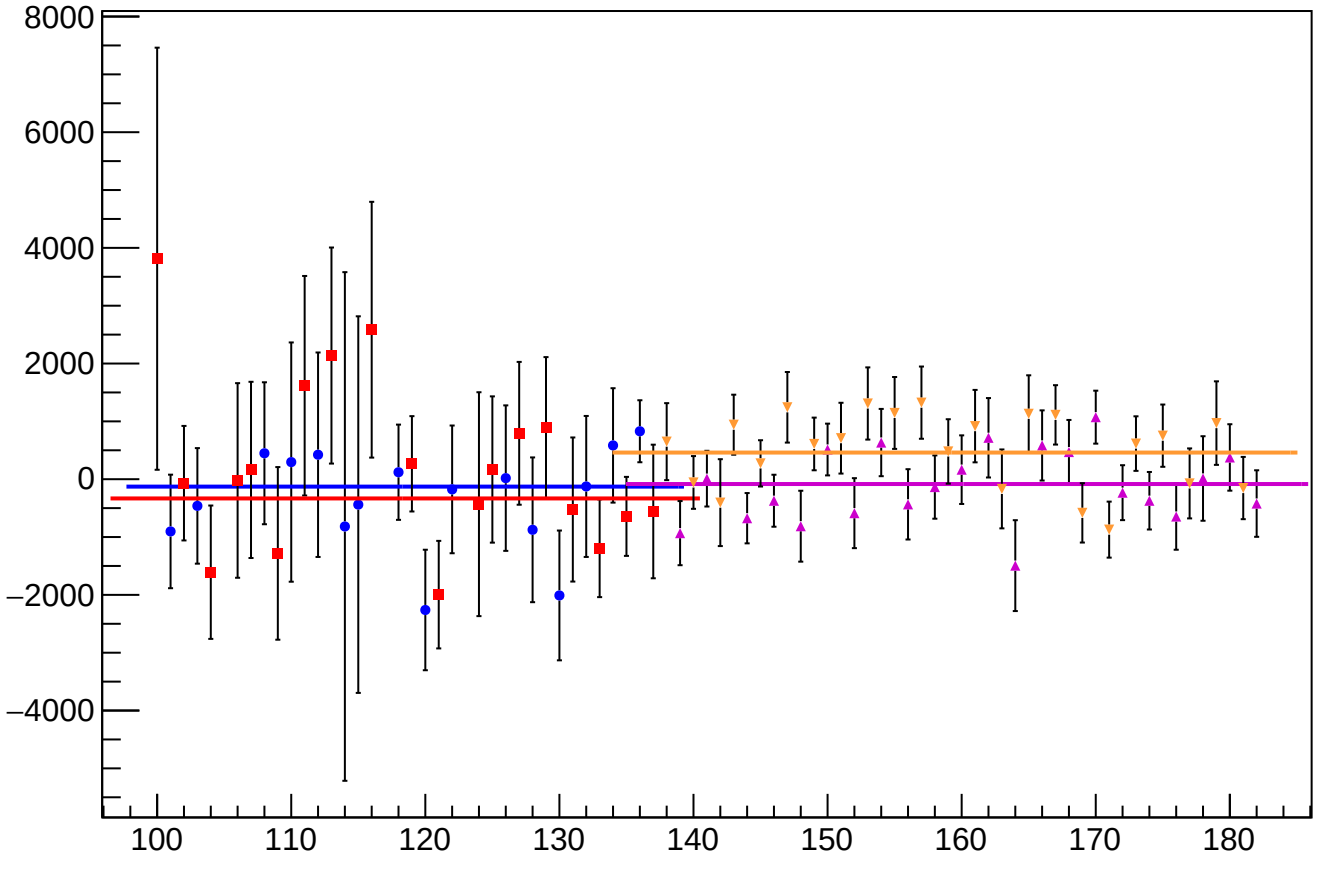
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.866+/-0.013 χ^2/NDF:1295481.1/37

Out: 91.043+/-0.013 χ^2/NDF:1370654.2/41

All: 90.955+/-0.009 χ^2/NDF: 2666229.0/79

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: 460.757+/-115.644 χ^2/NDF:29.3/22

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -83.425+/-116.290 χ^2/NDF:26.1/21

Left: 190.182+/-82.000 χ^2/NDF: 66.5/44

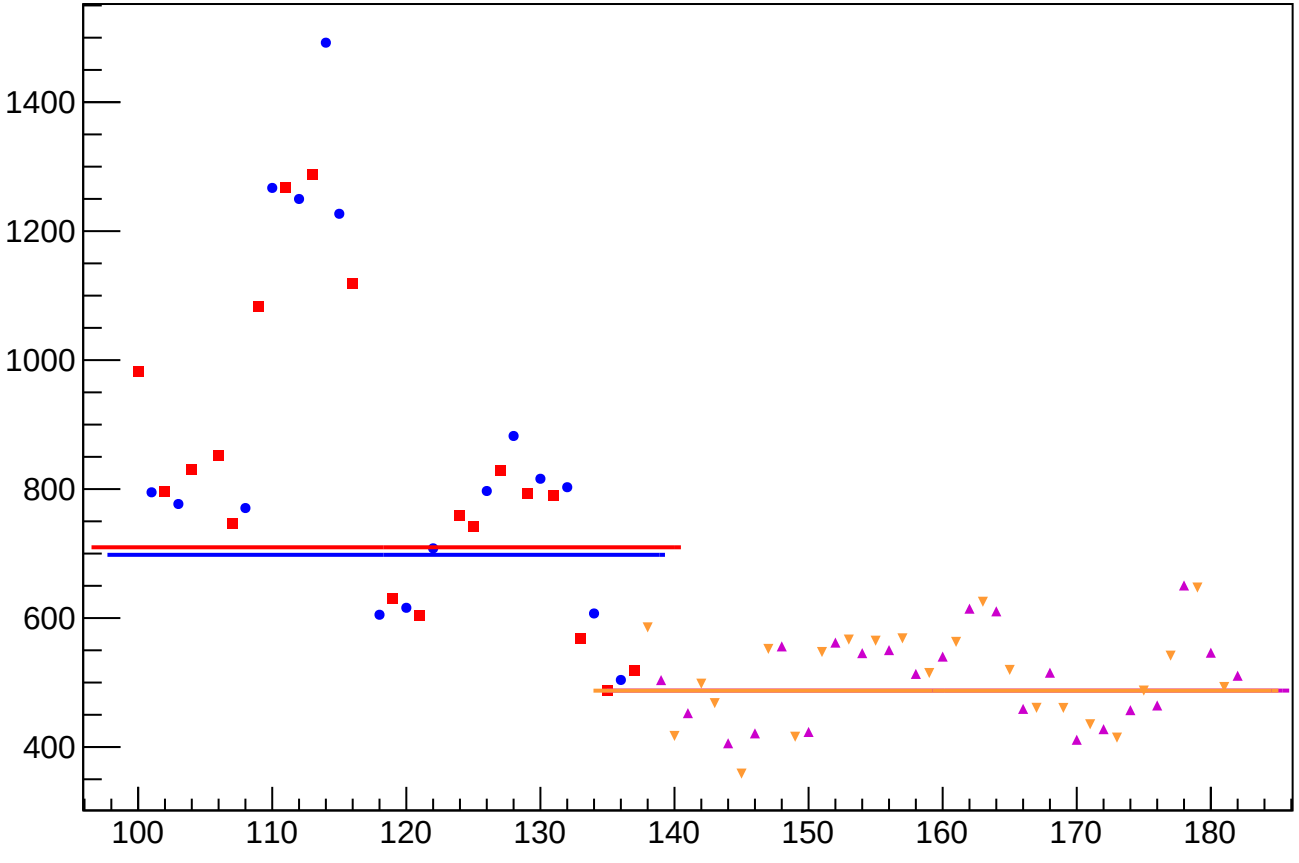
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -90.468+/-106.718 χ^2/NDF:38.5/37

Out: 338.407+/-106.354 χ^2/NDF:51.3/41

All: 124.702+/-75.332 χ^2/NDF: 97.9/79

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: 487.415+/-0.082 χ^2/NDF:805023.5/22

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 487.519+/-0.082 χ^2/NDF:632600.9/21

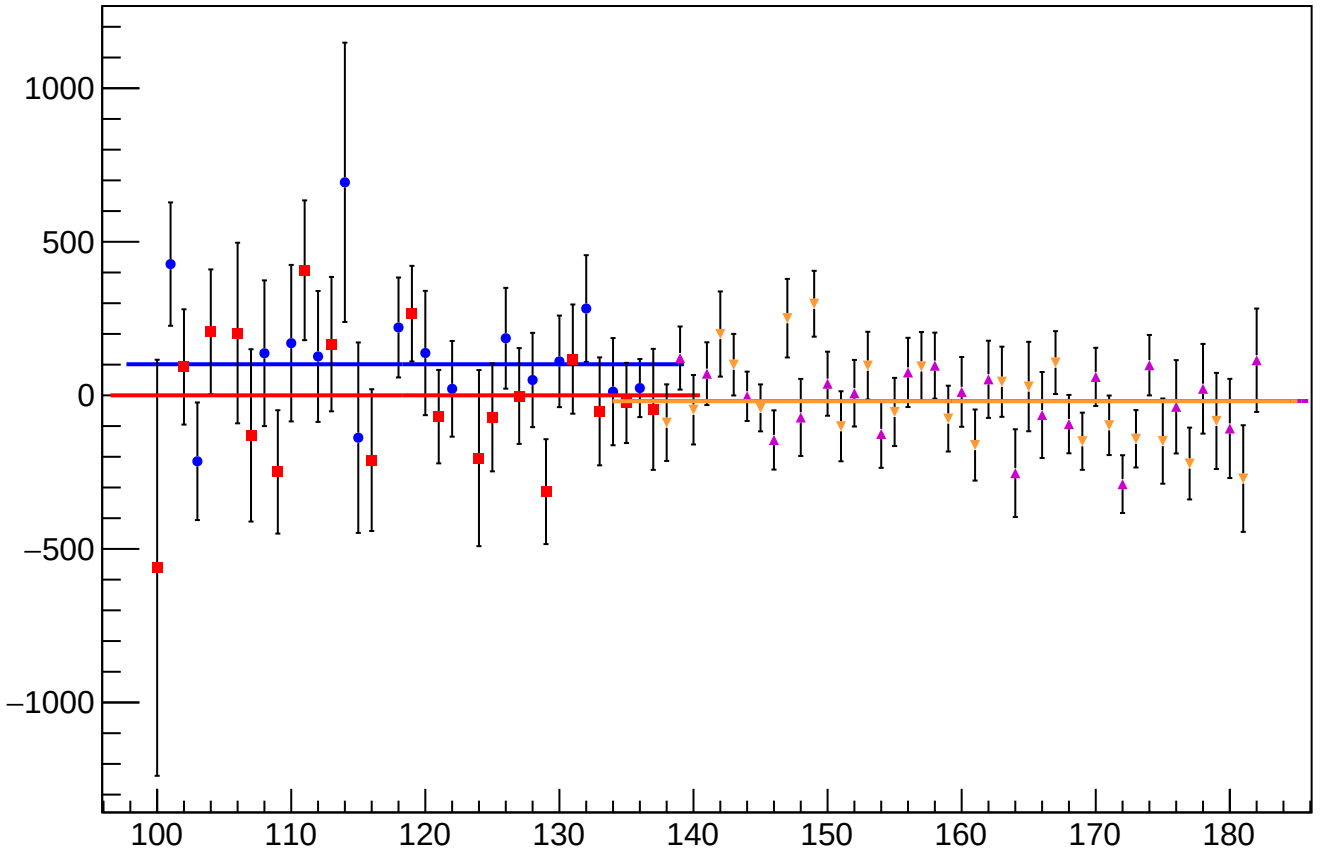
Left: 487.467+/-0.058 χ^2/NDF: 1437625.2/44

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 520.751+/-0.075 χ^2/NDF:2580186.9/37

Out: 521.700+/-0.075 χ^2/NDF:2972106.1/41

All: 521.227+/-0.053 χ^2/NDF: 5552372.3/79



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -19.116+/-23.249 χ^2/NDF:34.5/22

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -18.329+/-23.677 χ^2/NDF:22.9/21

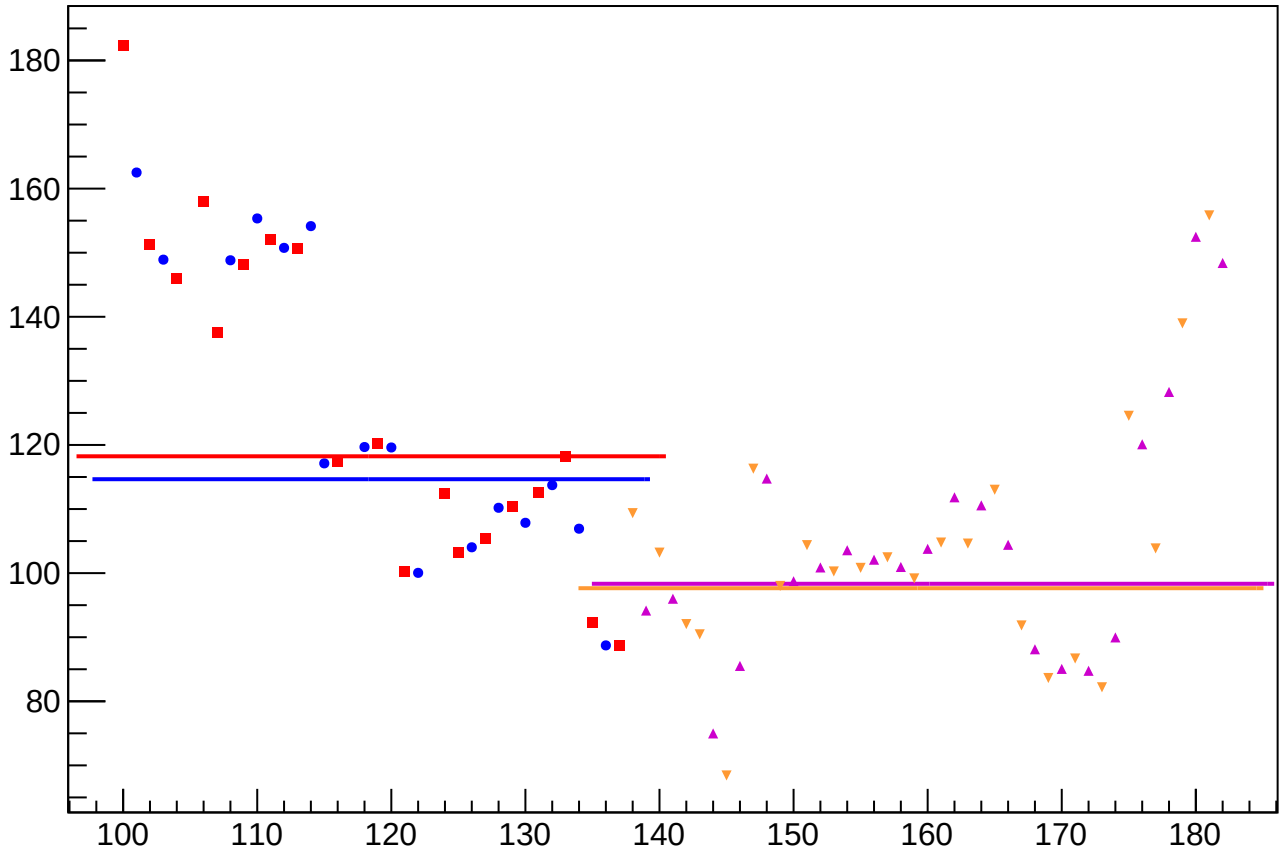
Left: -18.729+/-16.589 χ^2/NDF: 57.4/44

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 8.999+/-20.797 χ^2/NDF:39.7/37

Out: -14.921+/-20.559 χ^2/NDF:51.3/41

All: -3.099+/-14.621 χ^2/NDF: 91.7/79



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 97.645+/-0.016 χ^2/NDF:999408.4/22

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 98.338+/-0.017 χ^2/NDF:943190.4/21

Left: 97.986+/-0.012 χ^2/NDF: 1943471.3/44

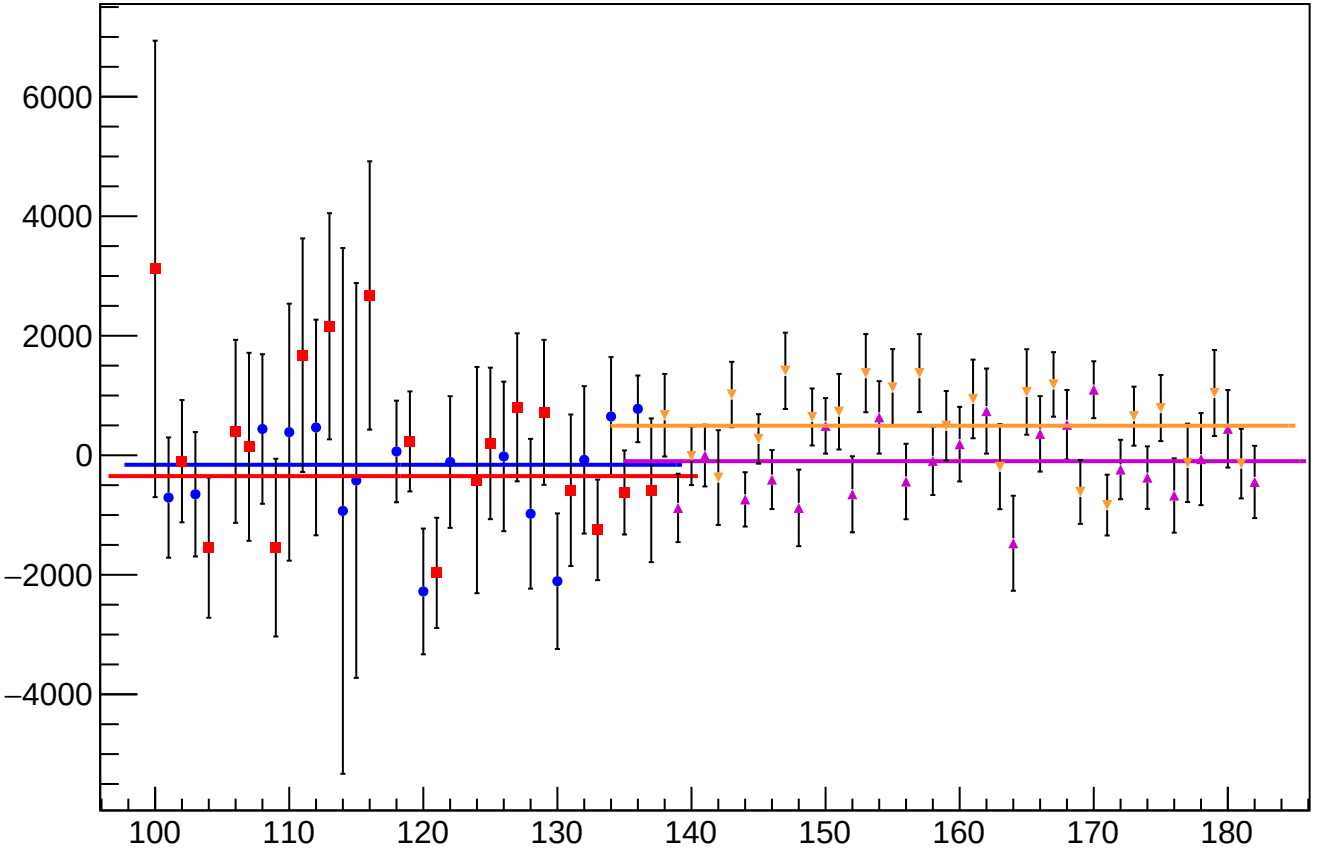
Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 102.066+/-0.015 χ^2/NDF:1692160.2/37

Out: 102.133+/-0.015 χ^2/NDF:1824608.1/41

All: 102.100+/-0.010 χ^2/NDF: 3516778.6/79

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: 494.194+/-121.156 χ^2/NDF:28.3/22

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -98.745+/-122.470 χ^2/NDF:24.6/21

Left: 200.922+/-86.131 χ^2/NDF: 64.8/44

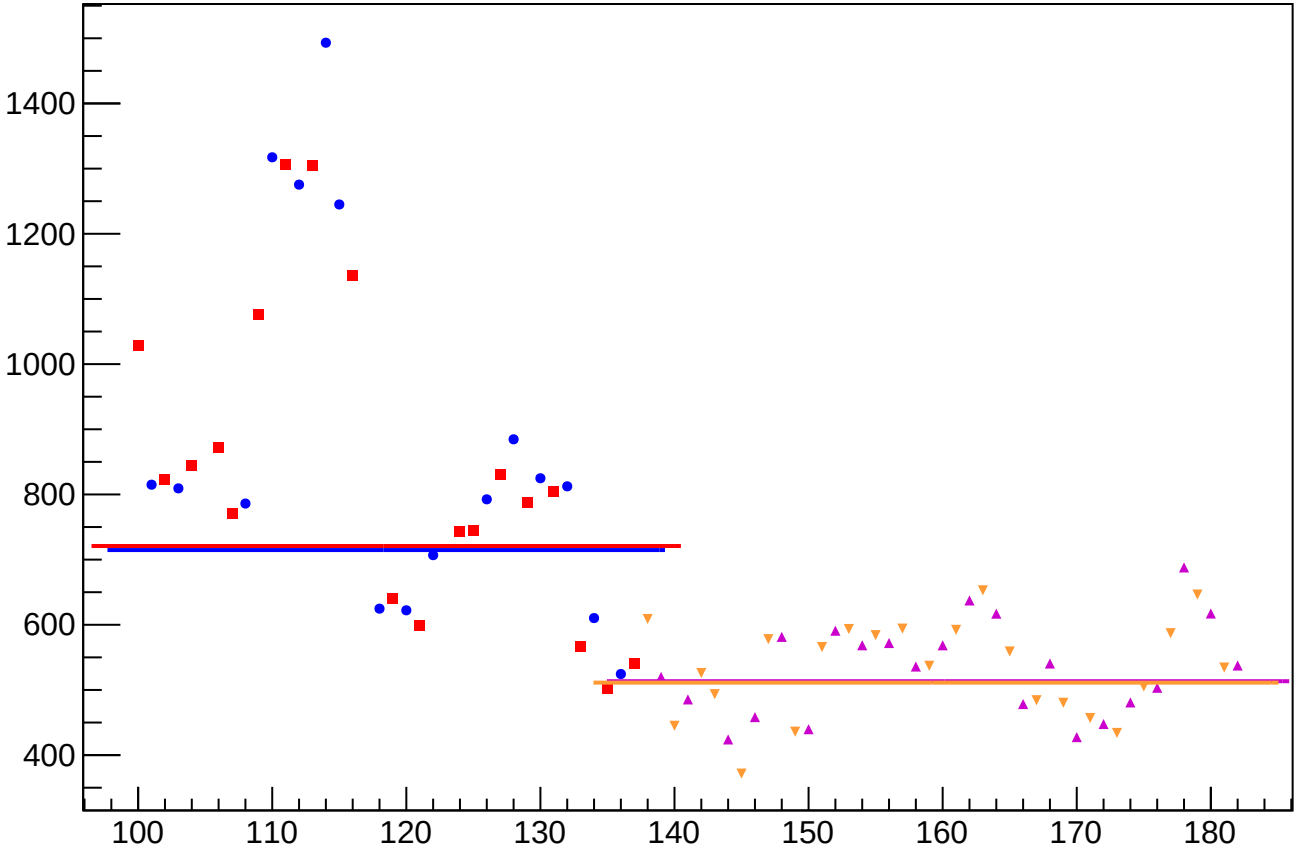
Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -108.763+/-111.847 χ^2/NDF:36.7/37

Out: 356.031+/-110.780 χ^2/NDF:50.5/41

All: 125.862+/-78.708 χ^2/NDF: 95.9/79

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 511.245+/-0.086 χ^2/NDF:790004.3/22

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 513.418+/-0.087 χ^2/NDF:633985.0/21

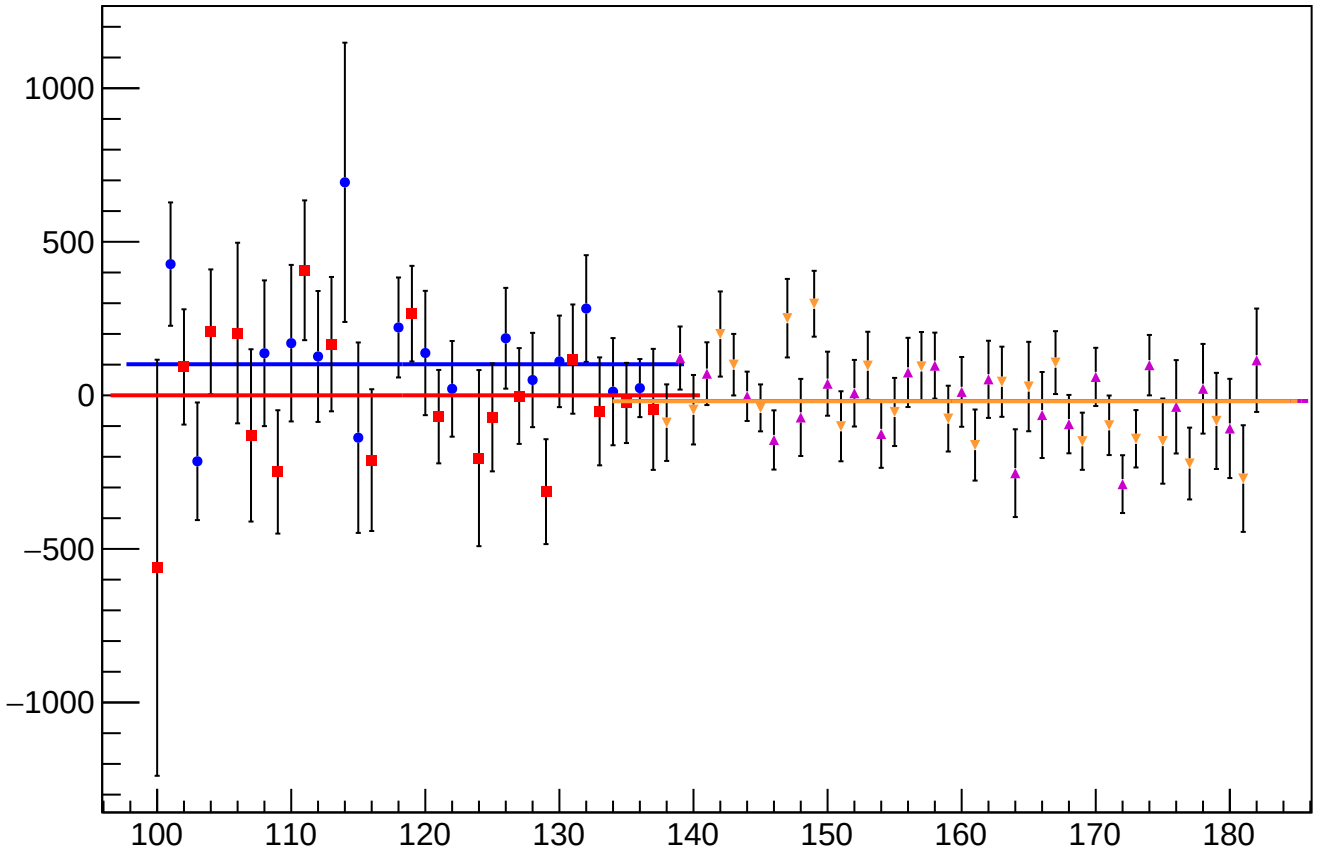
Left: 512.320+/-0.061 χ^2/NDF: 1424307.5/44

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 546.816+/-0.079 χ^2/NDF:2406425.4/37

Out: 545.615+/-0.078 χ^2/NDF:2790169.9/41

All: 546.210+/-0.056 χ^2/NDF: 5196711.6/79



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -19.117+/-23.249 χ^2/NDF:34.5/22

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -18.329+/-23.677 χ^2/NDF:22.9/21

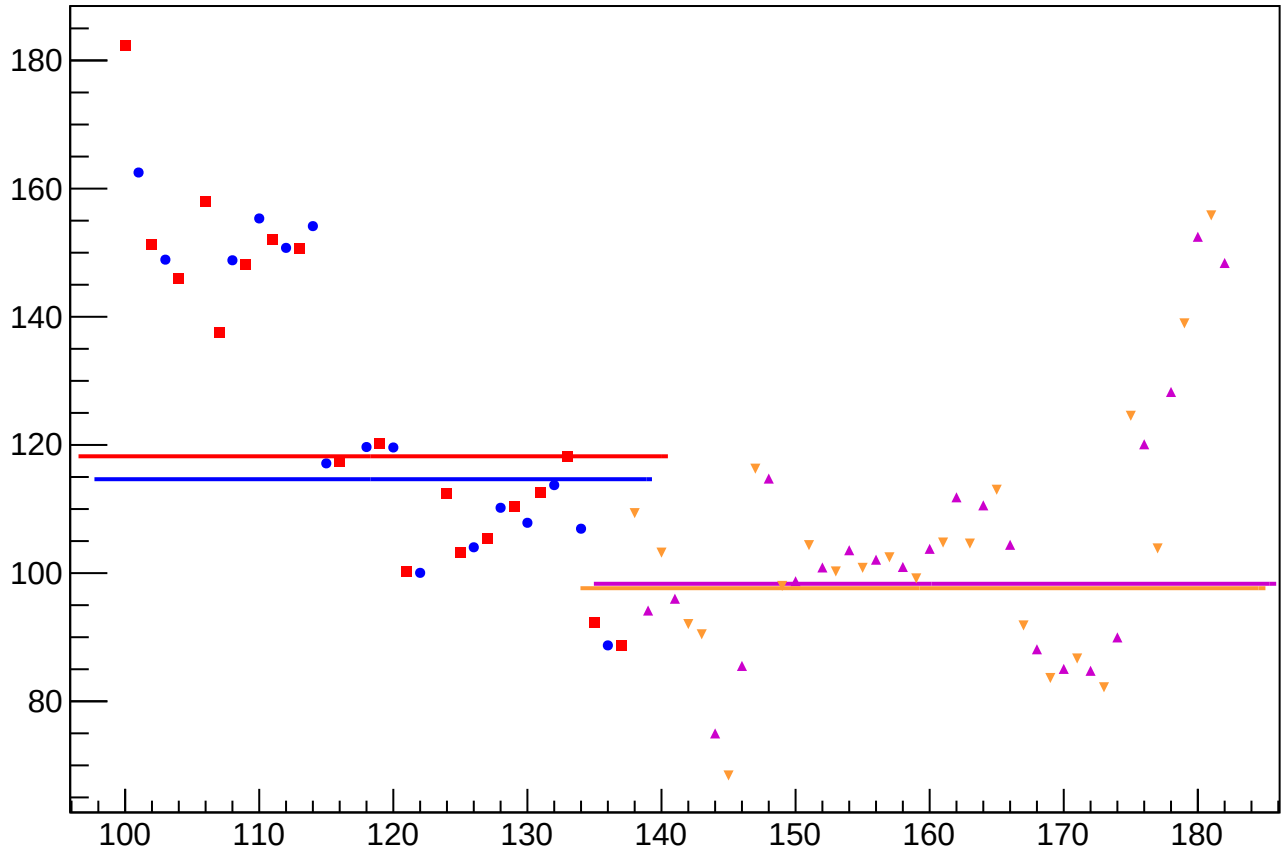
Left: -18.730+/-16.589 χ^2/NDF: 57.4/44

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 8.998+/-20.797 χ^2/NDF:39.7/37

Out: -14.923+/-20.559 χ^2/NDF:51.3/41

All: -3.100+/-14.621 χ^2/NDF: 91.7/79



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 97.645+/-0.016 χ^2/NDF:999414.3/22

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 98.338+/-0.017 χ^2/NDF:943181.0/21

Left: 97.985+/-0.012 χ^2/NDF: 1943467.8/44

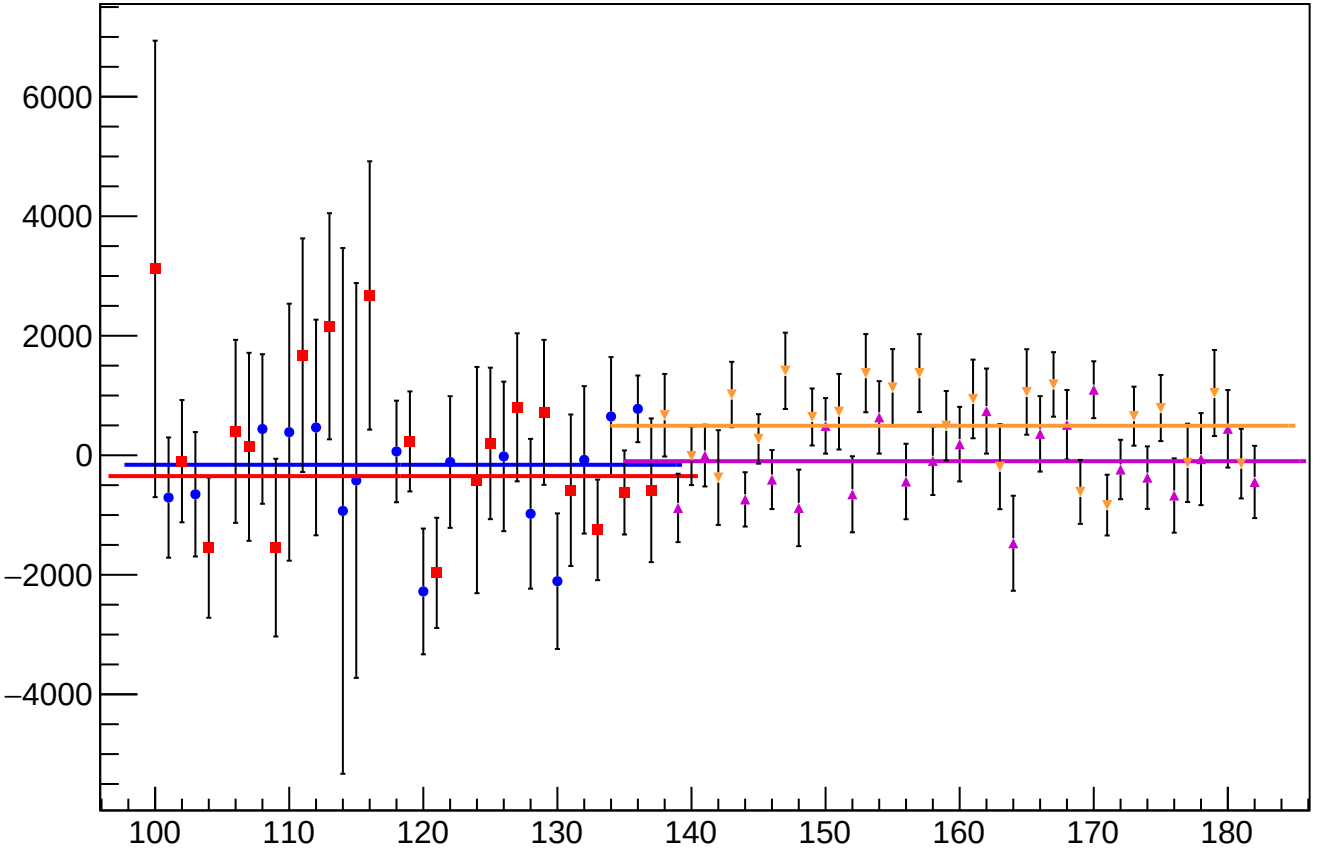
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 102.066+/-0.015 χ^2/NDF:1692141.8/37

Out: 102.133+/-0.015 χ^2/NDF:1824608.9/41

All: 102.100+/-0.010 χ^2/NDF: 3516760.9/79

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 494.192+/-121.156 χ^2/NDF:28.3/22

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -98.745+/-122.470 χ^2/NDF:24.6/21

Left: 200.921+/-86.131 χ^2/NDF: 64.8/44

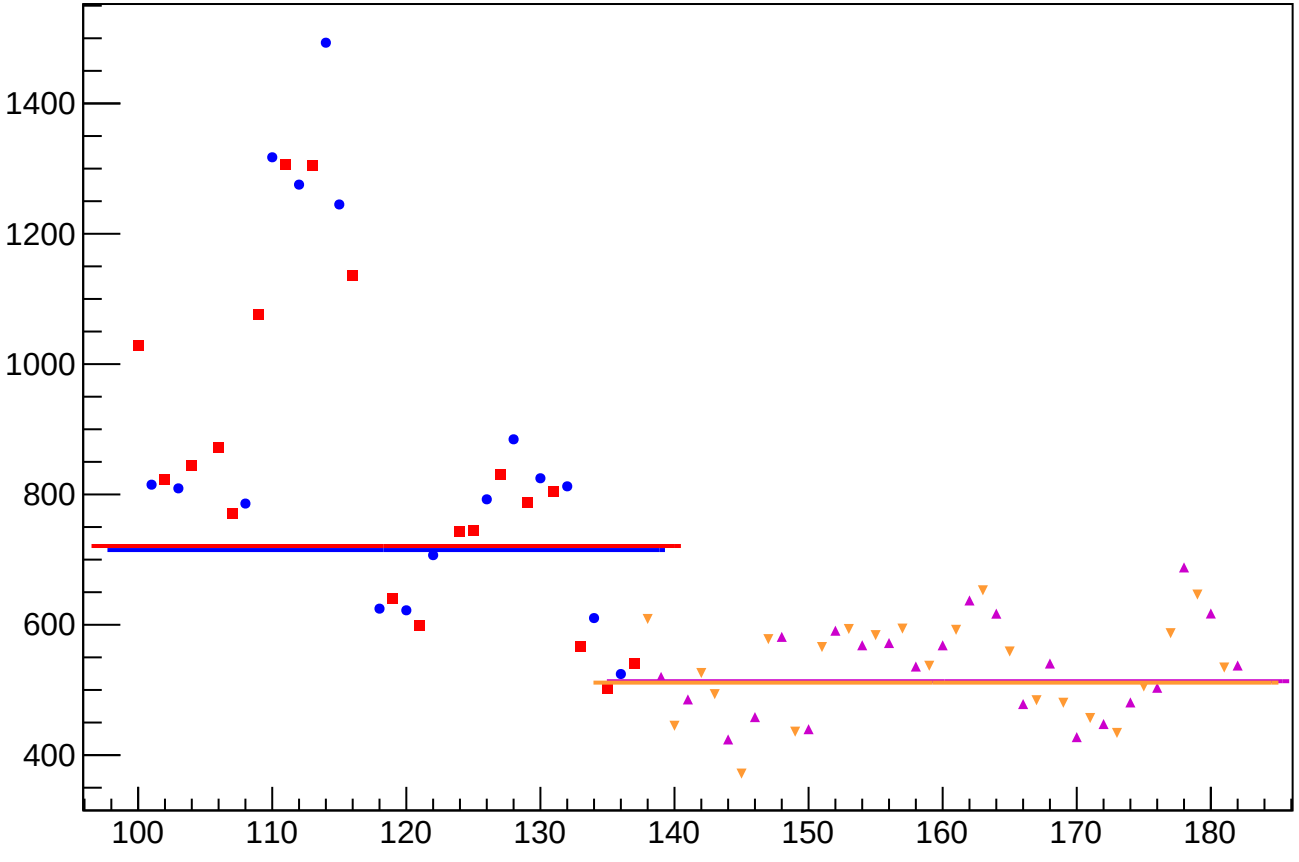
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -108.763+/-111.847 χ^2/NDF:36.7/37

Out: 356.030+/-110.780 χ^2/NDF:50.5/41

All: 125.861+/-78.708 χ^2/NDF: 95.9/79

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: 511.245+/-0.086 χ^2/NDF:790004.2/22

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 513.418+/-0.087 χ^2/NDF:633982.6/21

Left: 512.320+/-0.061 χ^2/NDF: 1424305.1/44

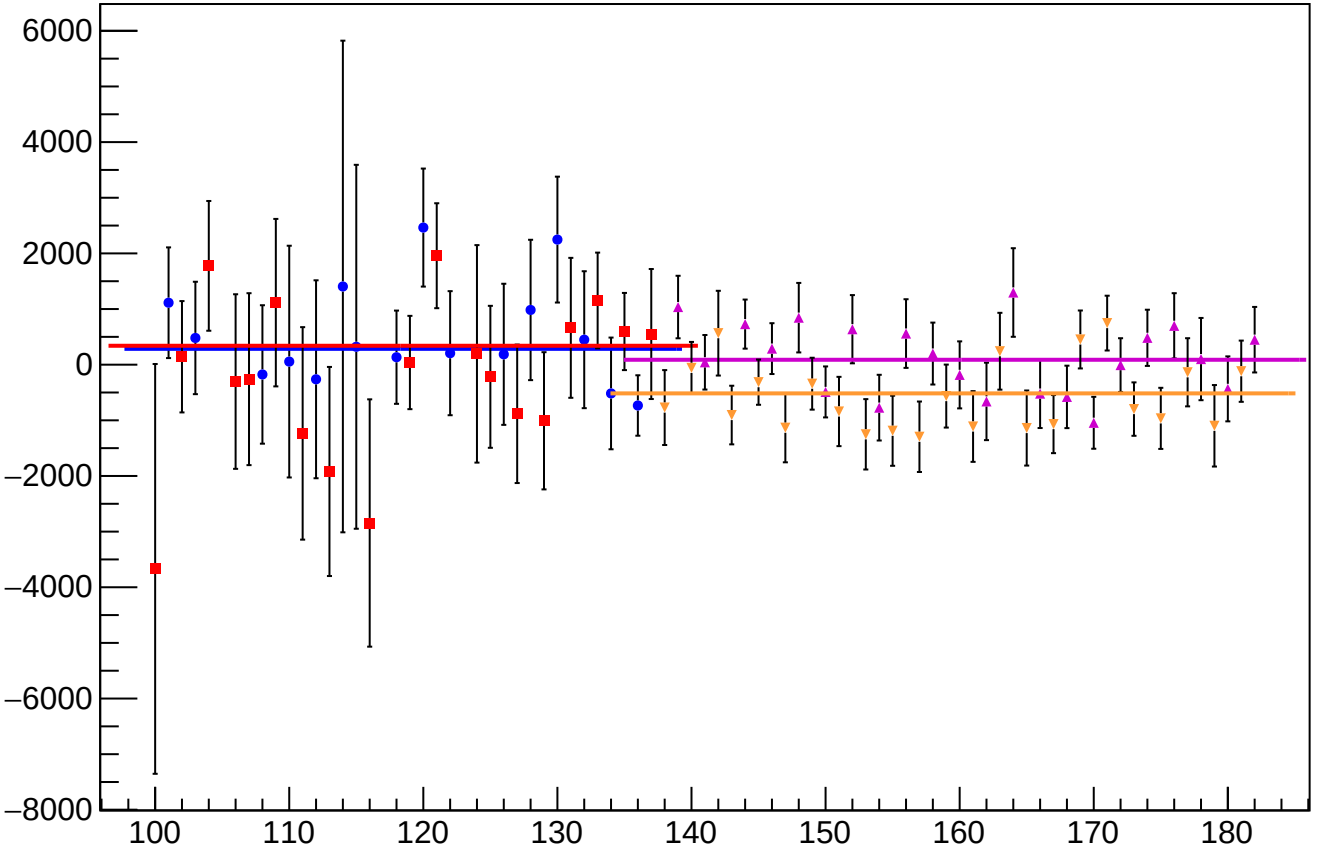
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 546.816+/-0.079 χ^2/NDF:2406419.2/37

Out: 545.615+/-0.078 χ^2/NDF:2790164.0/41

All: 546.210+/-0.056 χ^2/NDF: 5196699.5/79

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -515.825+/-117.569 χ^2/NDF:26.0/22

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 88.209+/-118.237 χ^2/NDF:26.6/21

Left: -215.519+/-83.369 χ^2/NDF: 65.7/44

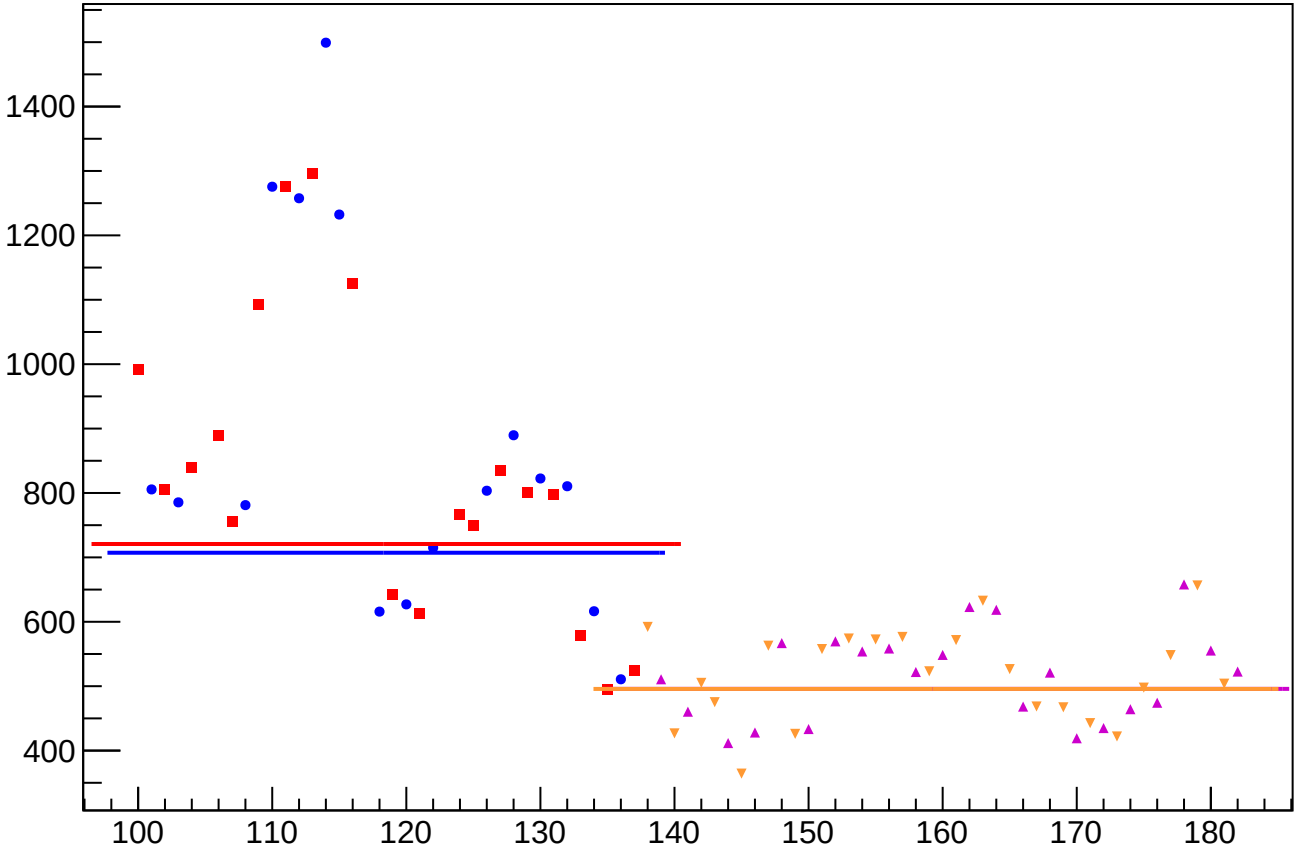
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 119.461+/-108.431 χ^2/NDF:39.8/37

Out: -382.426+/-108.018 χ^2/NDF:48.3/41

All: -132.441+/-76.526 χ^2/NDF: 98.9/79

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 495.753+/-0.083 χ^2/NDF:788016.8/22

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 495.832+/-0.084 χ^2/NDF:620157.5/21

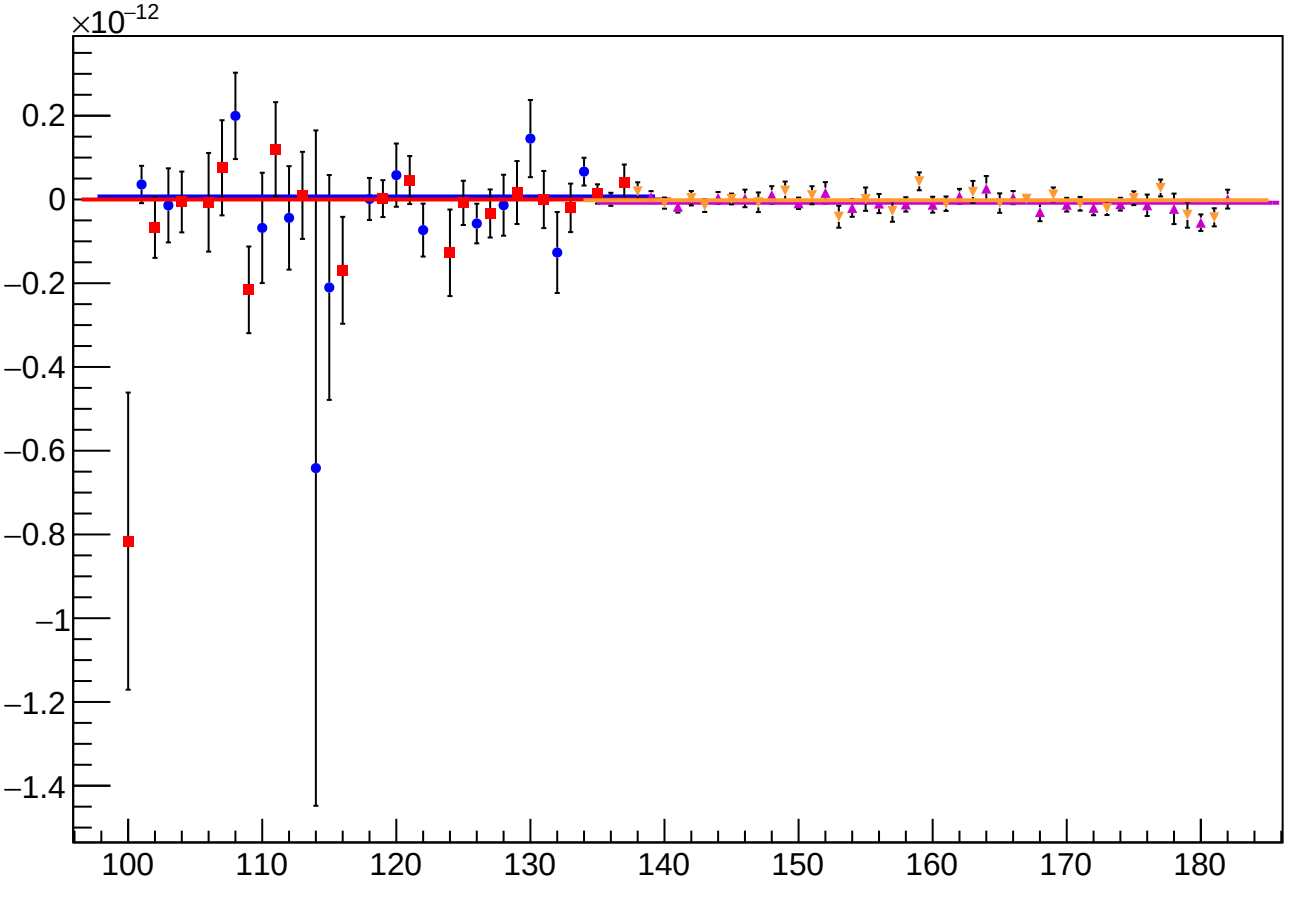
Left: 495.792+/-0.059 χ^2/NDF: 1408174.8/44

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 529.438+/-0.077 χ^2/NDF:2533074.2/37

Out: 530.827+/-0.076 χ^2/NDF:2945293.3/41

All: 530.135+/-0.054 χ^2/NDF: 5478532.2/79



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/22

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:14.7/21

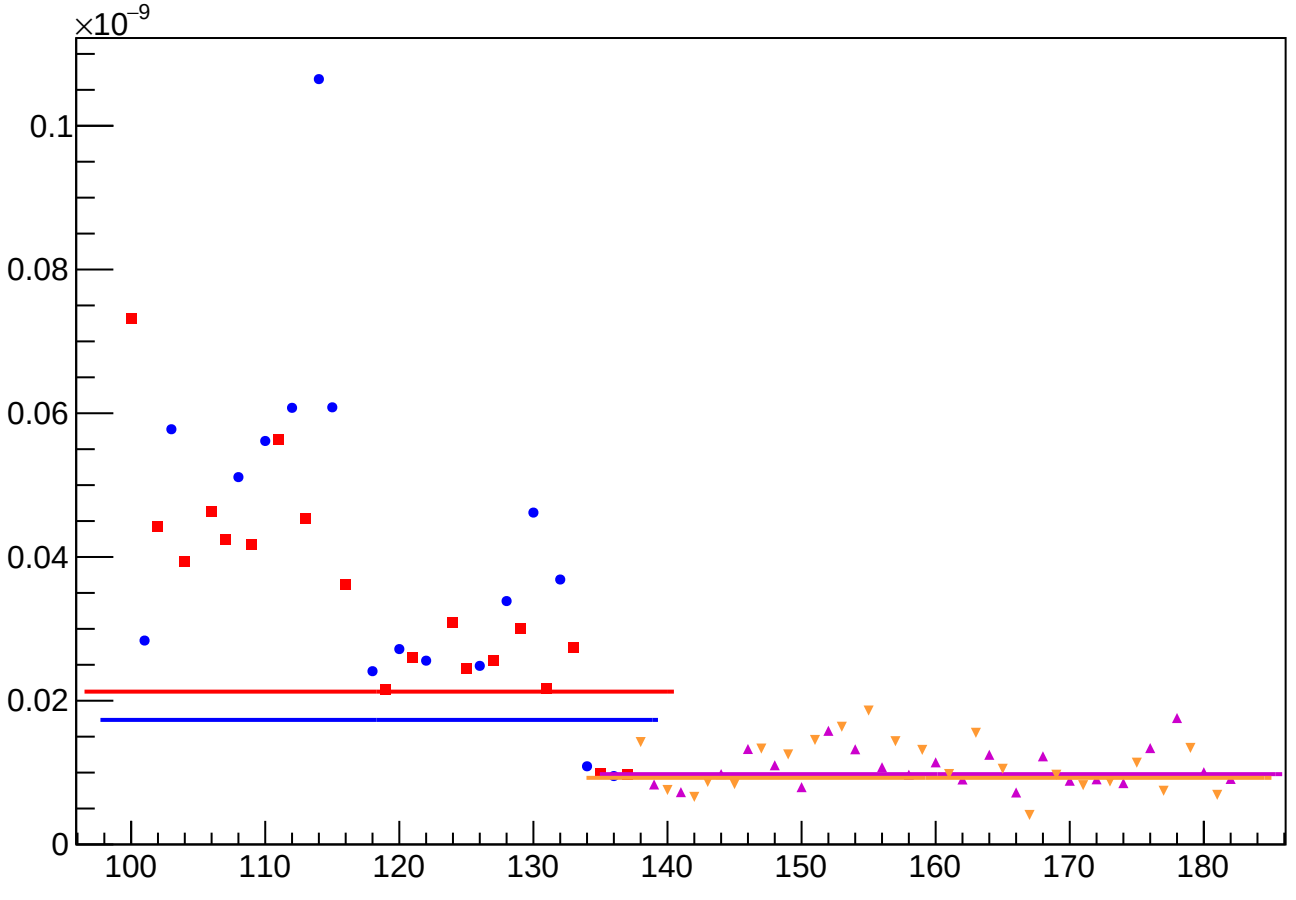
Left: -0.000+/-0.000 χ^2/NDF: 37.3/44

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:33.6/37

Out: -0.000+/-0.000 χ^2/NDF:39.2/41

All: -0.000+/-0.000 χ^2/NDF: 73.6/79



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1796364.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:619265.8/21

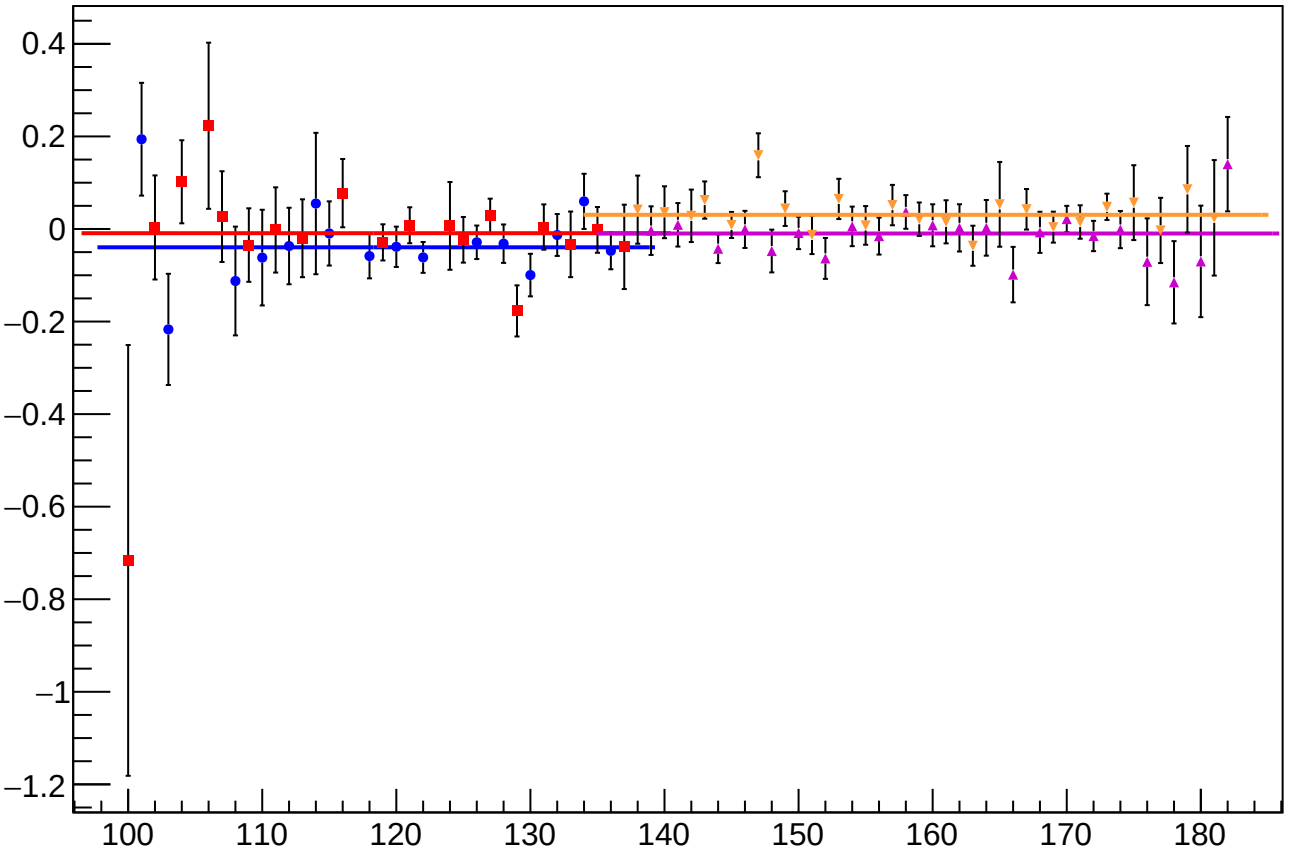
Left: 0.000+/-0.000 χ^2/NDF: 2433622.7/44

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3762184.1/37

Out: 0.000+/-0.000 χ^2/NDF:4955703.3/41

All: 0.000+/-0.000 χ^2/NDF: 8732764.2/79



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/22

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.010+/-0.009 χ^2/NDF:13.2/21

Left: 0.011+/-0.007 χ^2/NDF: 38.3/44

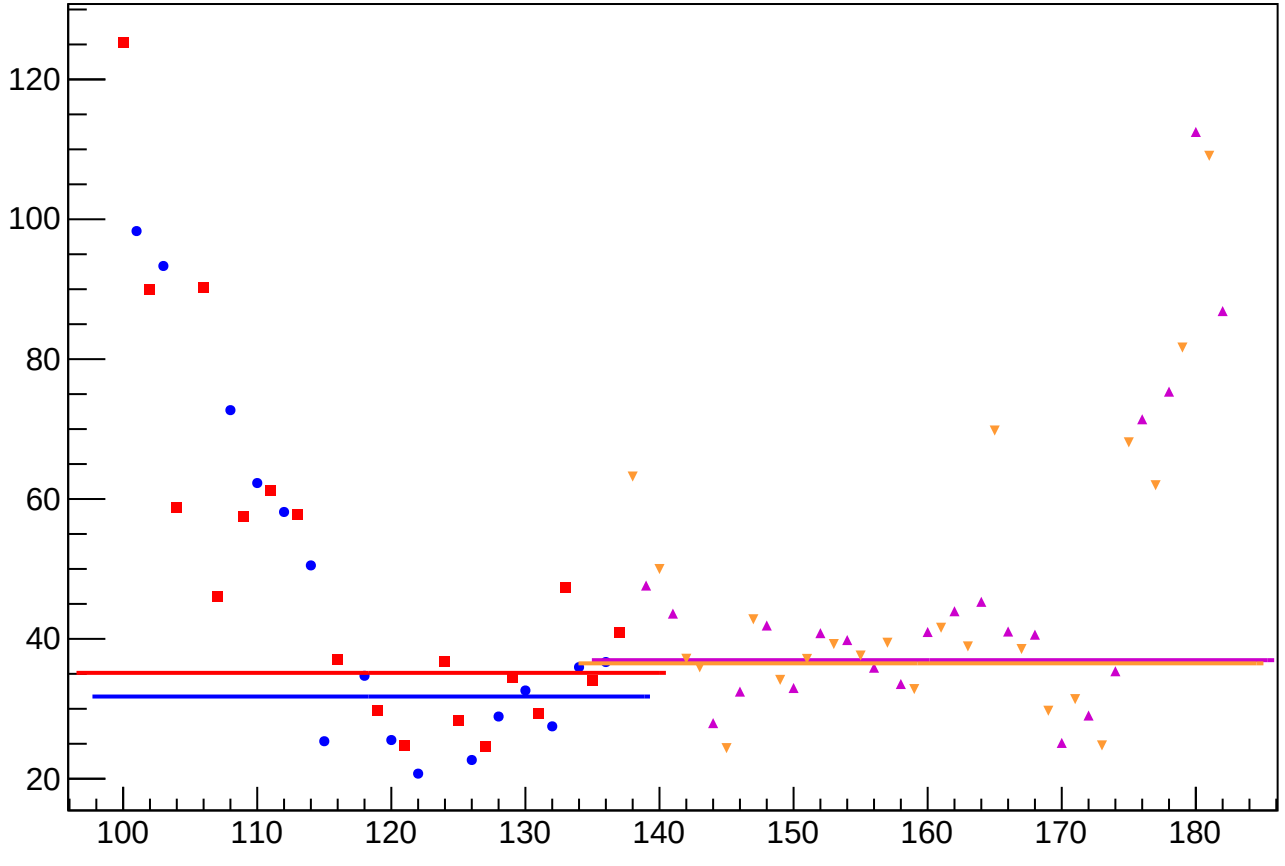
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:29.1/37

Out: 0.019+/-0.008 χ^2/NDF:39.4/41

All: -0.001+/-0.005 χ^2/NDF: 81.2/79

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.501+/-0.006 χ^2/NDF:3303715.5/22

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.955+/-0.007 χ^2/NDF:2894451.2/21

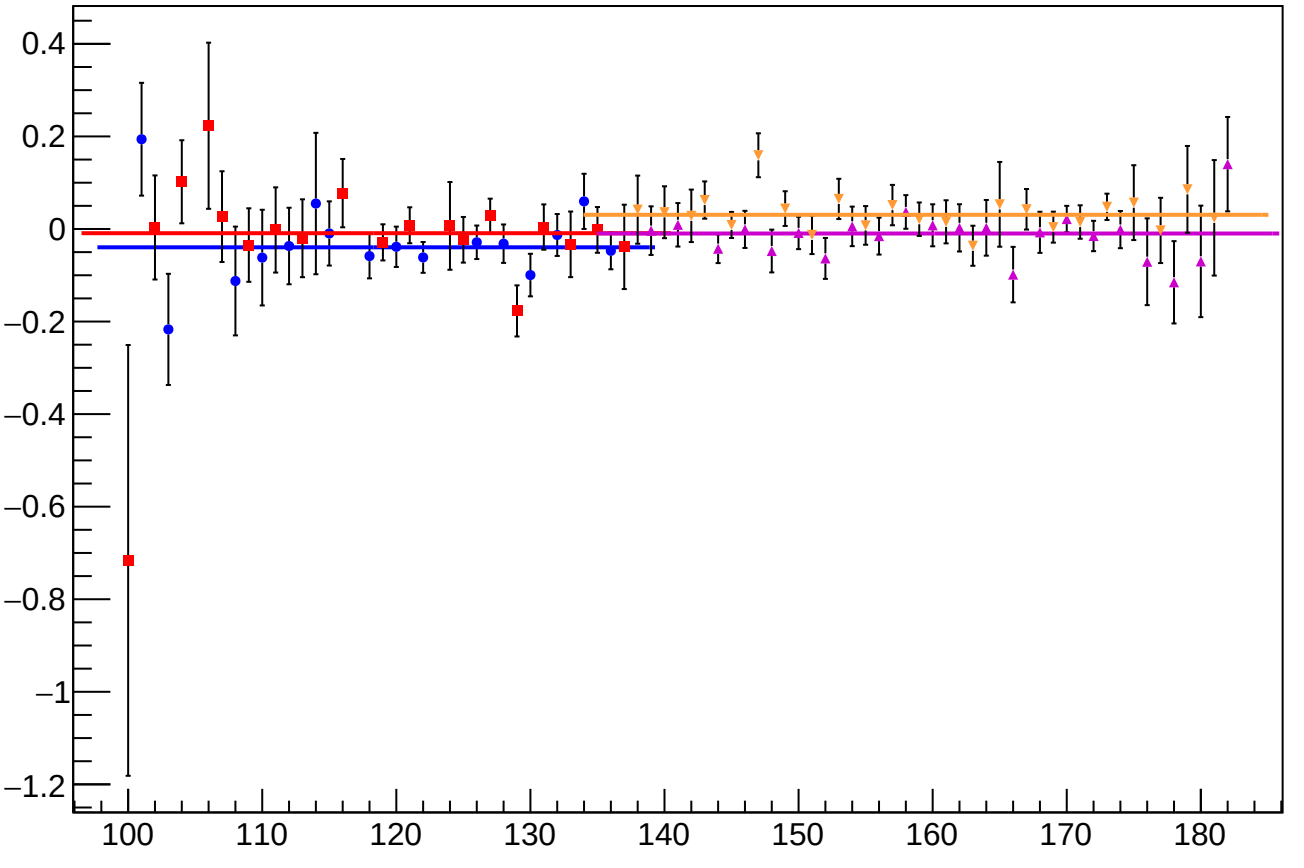
Left: 36.722+/-0.005 χ^2/NDF: 6200553.4/44

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 35.198+/-0.005 χ^2/NDF:5353485.9/37

Out: 36.099+/-0.005 χ^2/NDF:5161407.8/41

All: 35.646+/-0.004 χ^2/NDF: 10528673.2/79



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/22

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.010+/-0.009 χ^2/NDF:13.2/21

Left: 0.011+/-0.007 χ^2/NDF: 38.3/44

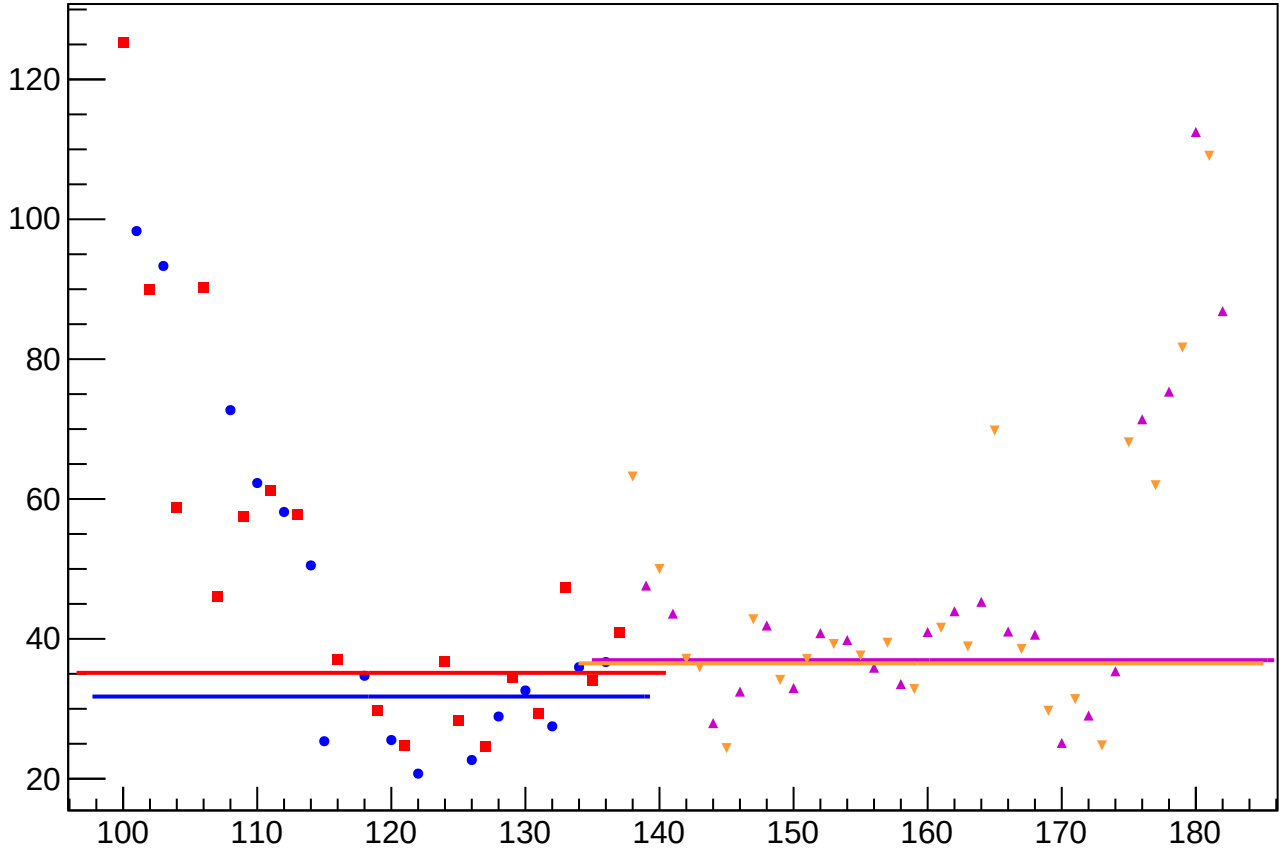
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:29.1/37

Out: 0.019+/-0.008 χ^2/NDF:39.4/41

All: -0.001+/-0.005 χ^2/NDF: 81.2/79

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: 36.501+/-0.006 χ^2/NDF:3303715.5/22

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.955+/-0.007 χ^2/NDF:2894451.2/21

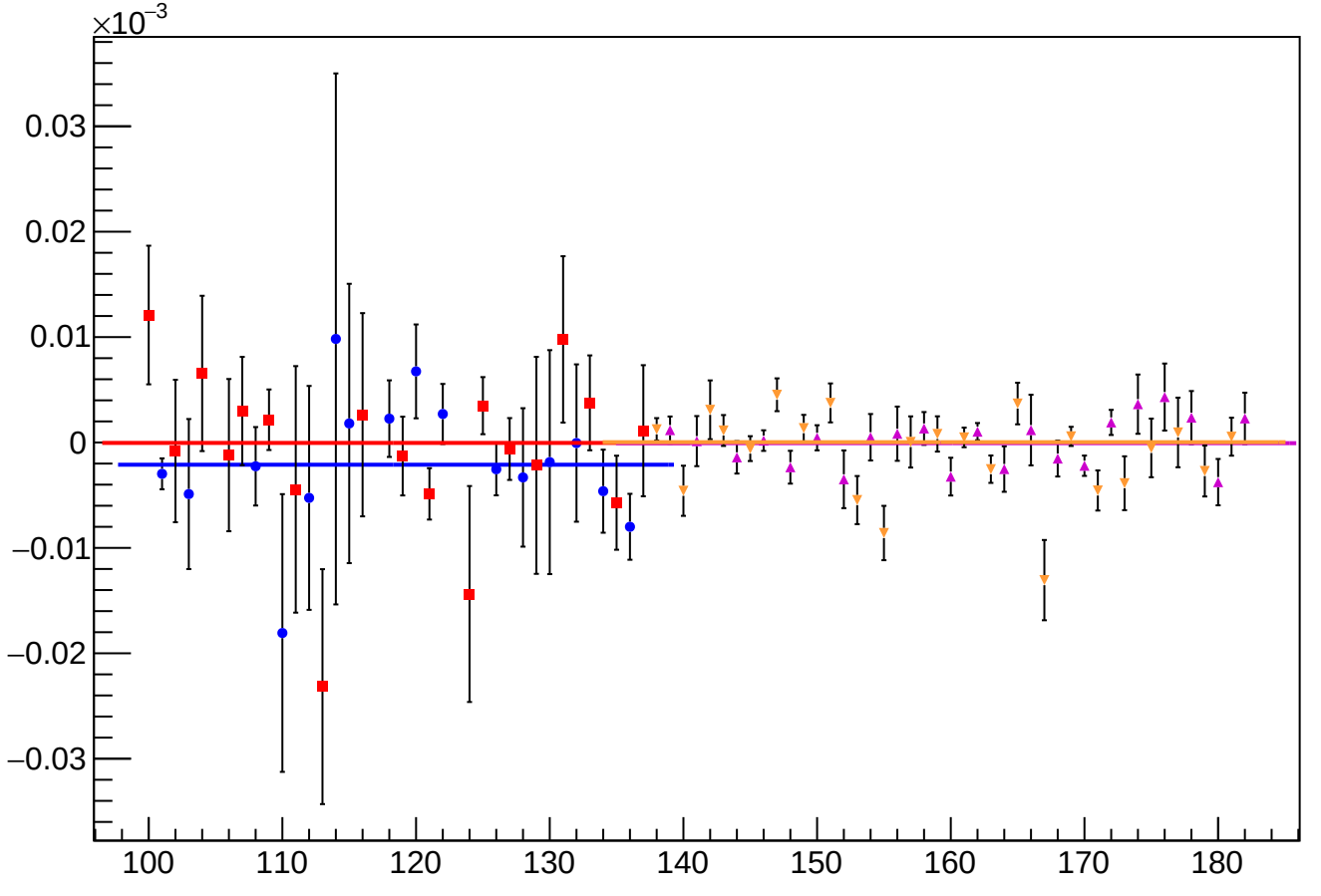
Left: 36.722+/-0.005 χ^2/NDF: 6200553.4/44

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 35.198+/-0.005 χ^2/NDF:5353485.9/37

Out: 36.099+/-0.005 χ^2/NDF:5161407.8/41

All: 35.646+/-0.004 χ^2/NDF: 10528673.2/79



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:67.2/22

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:29.7/21

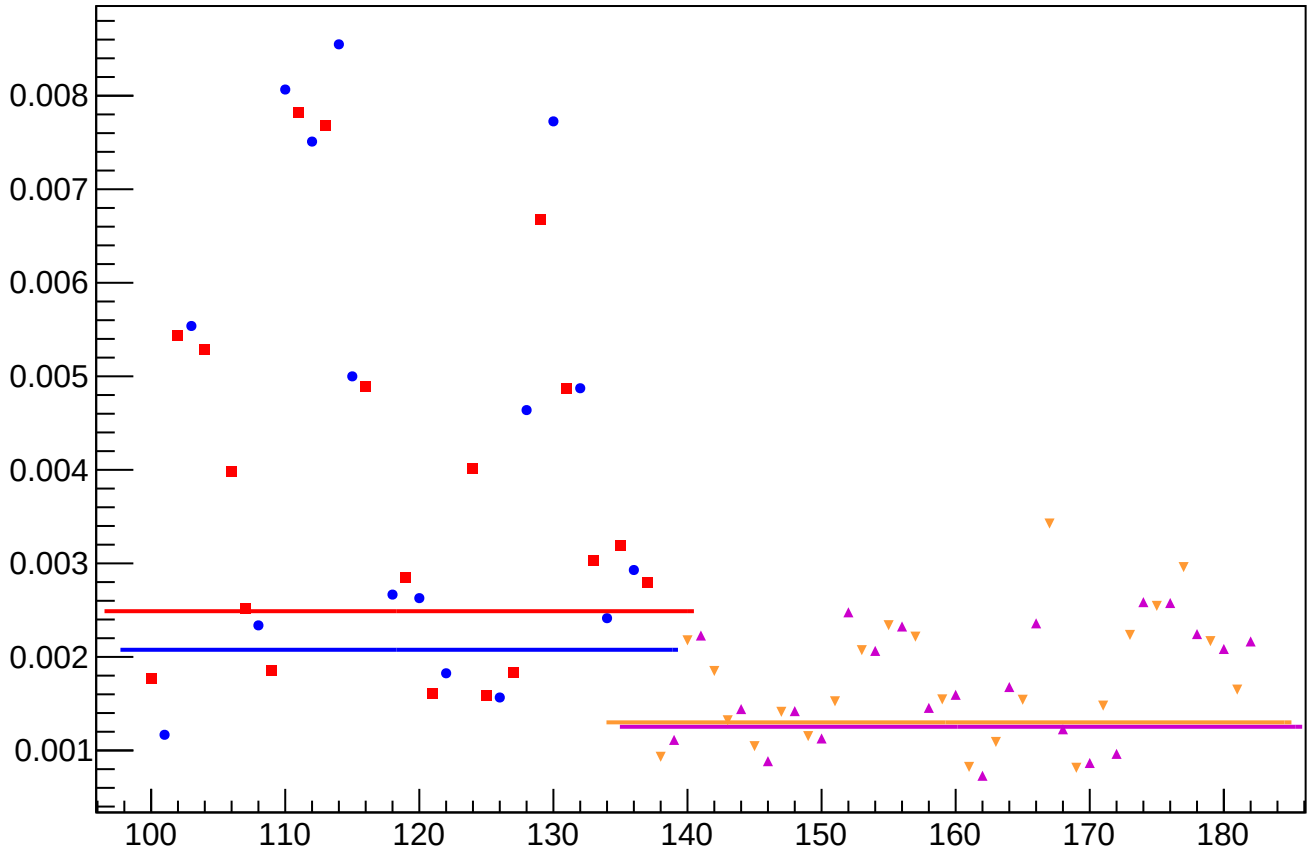
Left: -0.000+/-0.000 χ^2/NDF: 97.0/44

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:48.9/37

Out: 0.000+/-0.000 χ^2/NDF:88.6/41

All: -0.000+/-0.000 χ^2/NDF: 138.0/79



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4960457.0/22

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:5075275.7/21

Left: 0.001+/-0.000 χ^2/NDF: 10056052.1/44

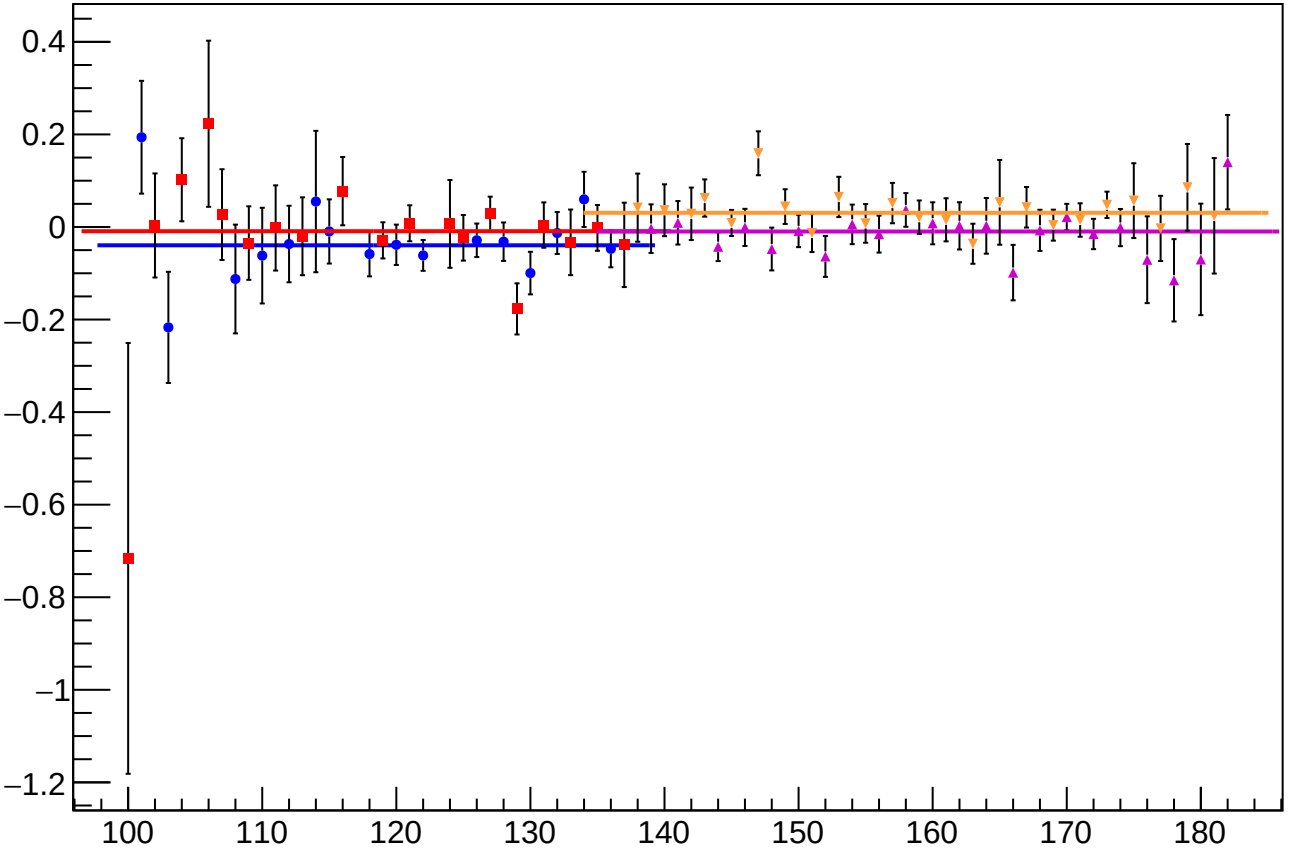
Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:10441462.1/37

Out: 0.001+/-0.000 χ^2/NDF:10412245.6/41

All: 0.001+/-0.000 χ^2/NDF: 20893487.3/79

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/22

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.010+/-0.009 χ^2/NDF:13.2/21

Left: 0.011+/-0.007 χ^2/NDF: 38.3/44

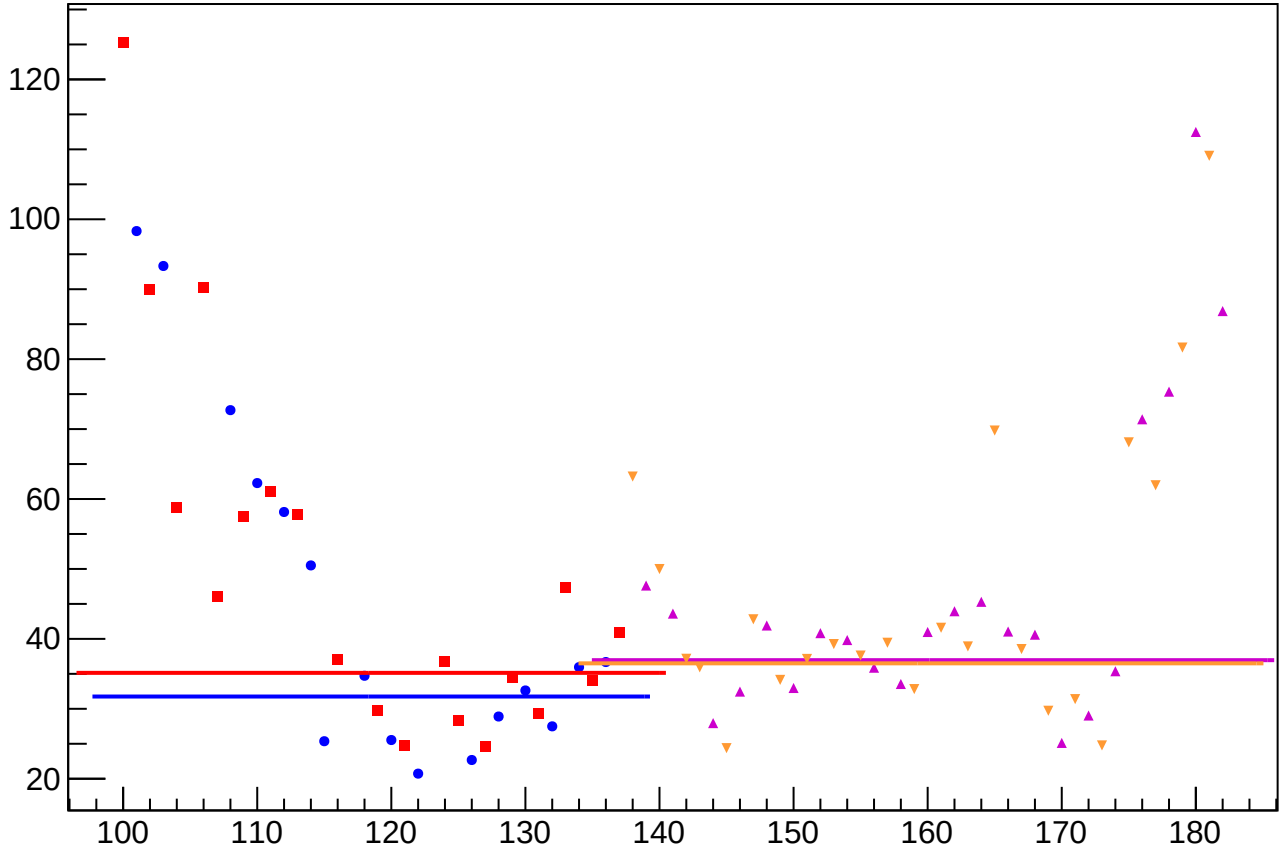
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:29.1/37

Out: 0.019+/-0.008 χ^2/NDF:39.4/41

All: -0.001+/-0.005 χ^2/NDF: 81.2/79

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: 36.501+/-0.006 χ^2/NDF:3303727.3/22

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.955+/-0.007 χ^2/NDF:2894417.9/21

Left: 36.722+/-0.005 χ^2/NDF: 6200531.8/44

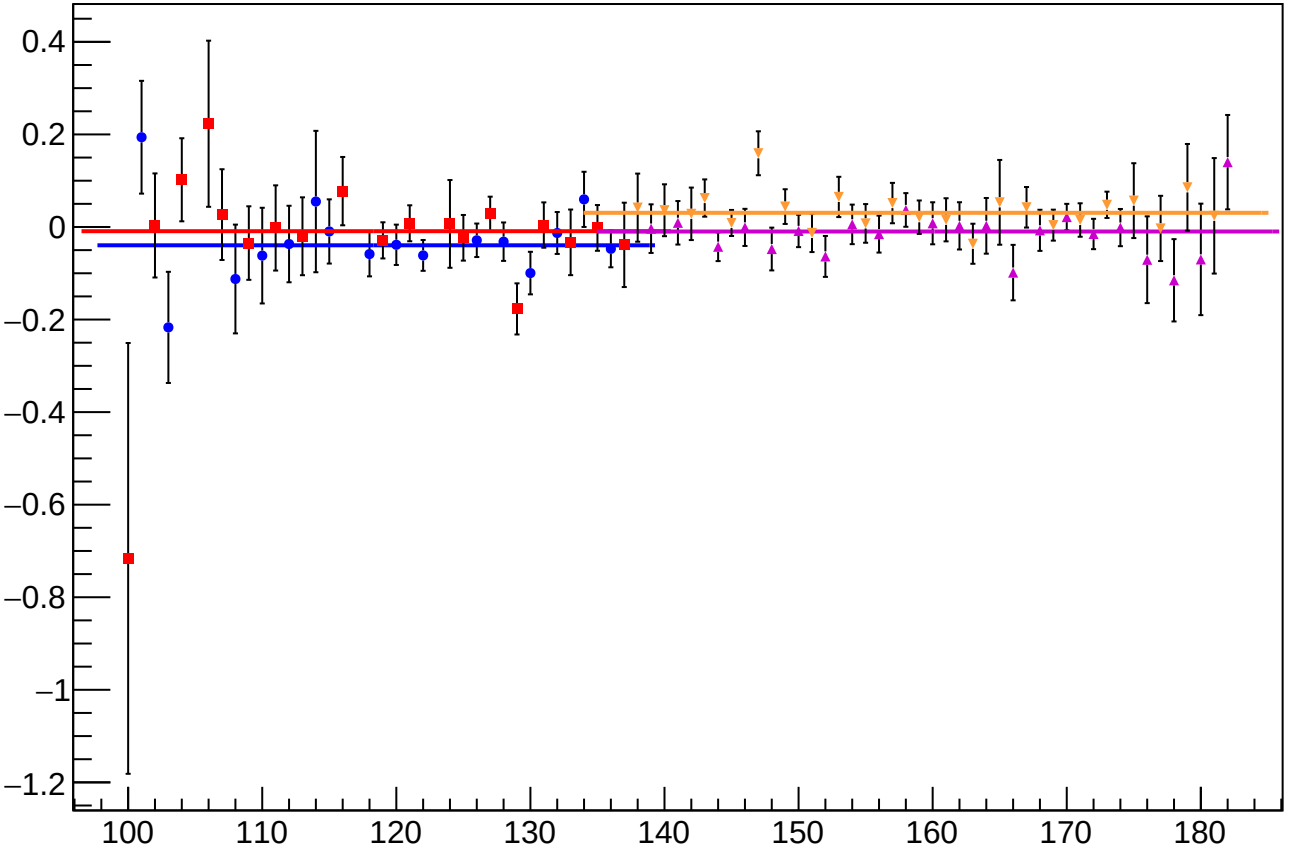
Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 35.198+/-0.005 χ^2/NDF:5353392.3/37

Out: 36.099+/-0.005 χ^2/NDF:5161306.2/41

All: 35.646+/-0.004 χ^2/NDF: 10528478.2/79

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/22

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.010+/-0.009 χ^2/NDF:13.2/21

Left: 0.011+/-0.007 χ^2/NDF: 38.3/44

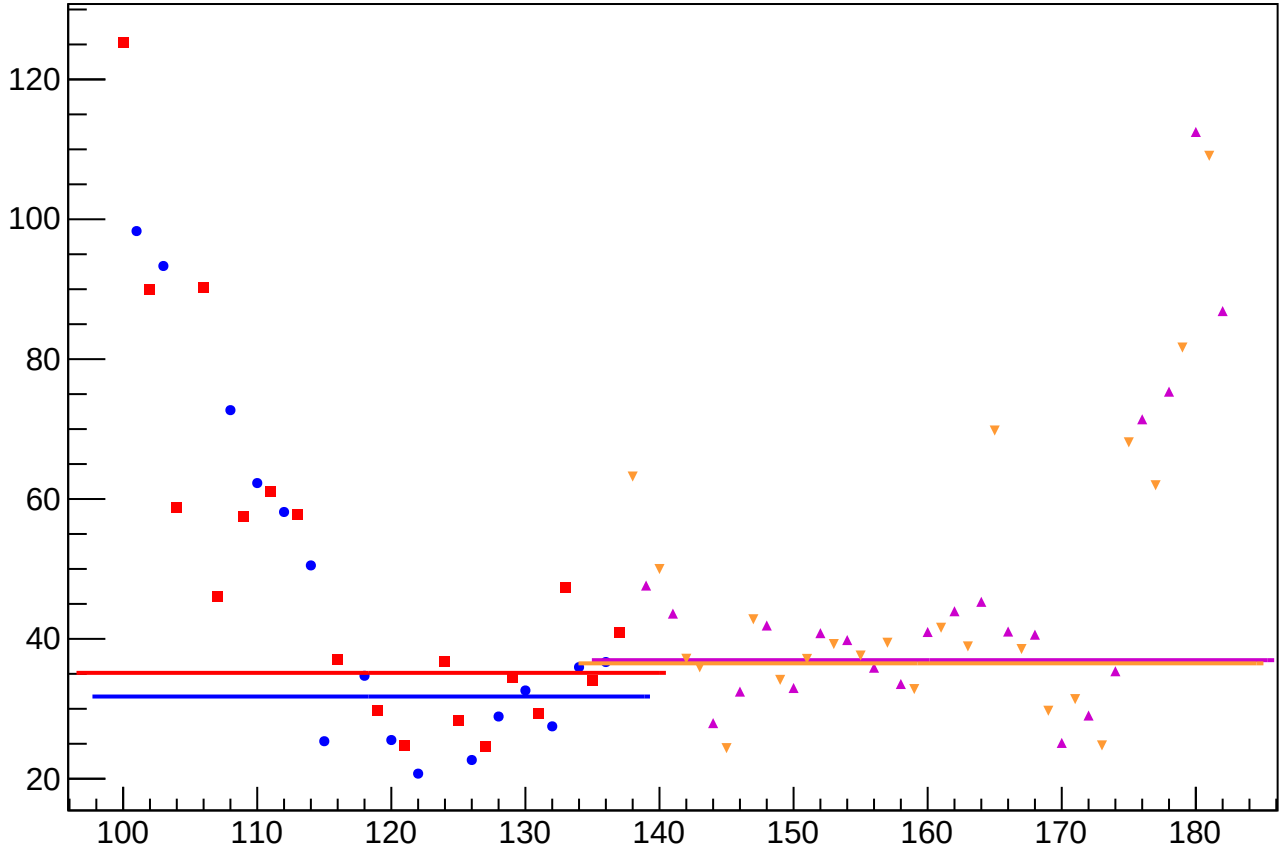
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:29.1/37

Out: 0.019+/-0.008 χ^2/NDF:39.4/41

All: -0.001+/-0.005 χ^2/NDF: 81.2/79

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: 36.501+/-0.006 χ^2/NDF:3303727.3/22

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.955+/-0.007 χ^2/NDF:2894417.9/21

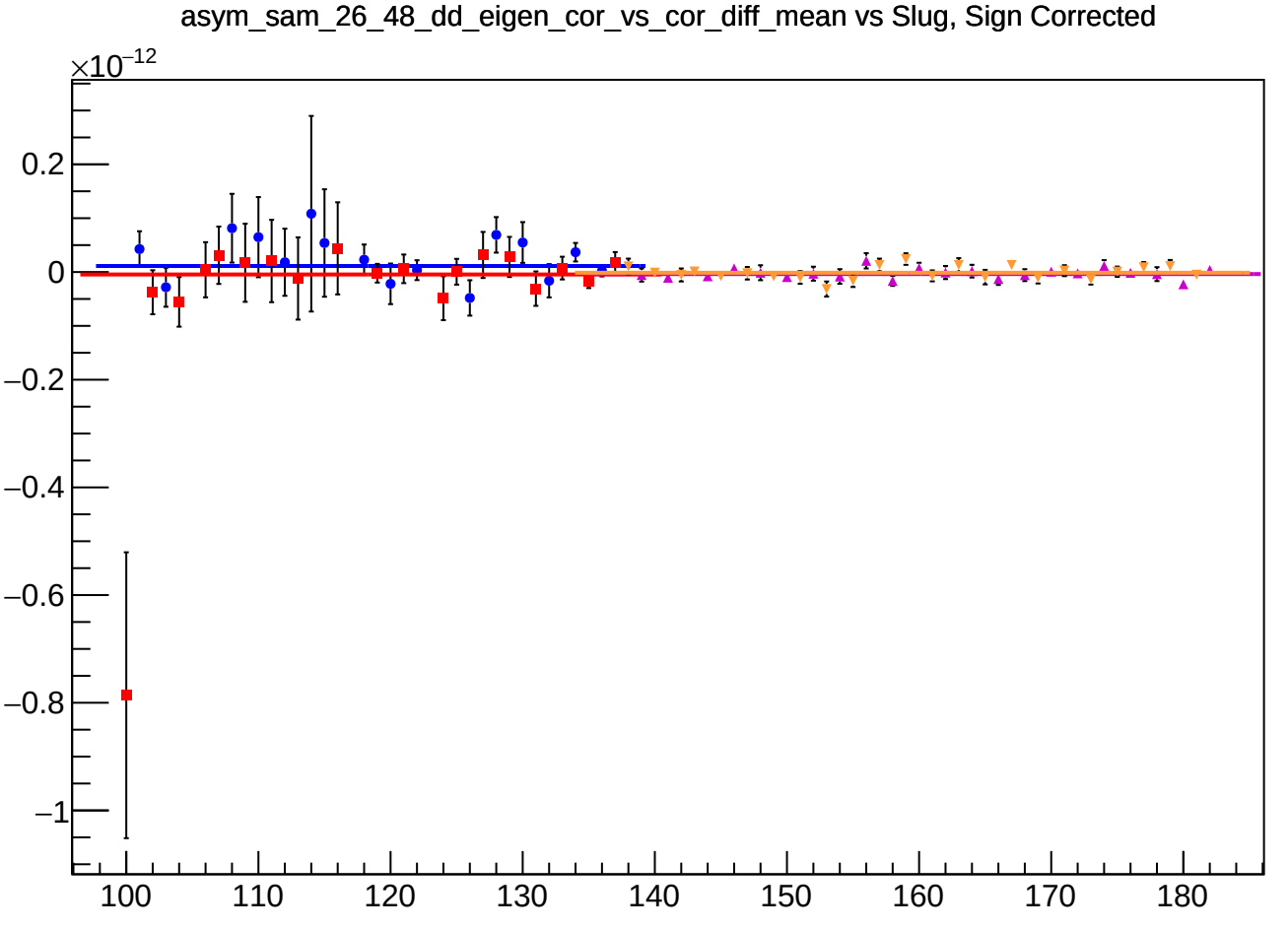
Left: 36.722+/-0.005 χ^2/NDF: 6200531.8/44

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 35.198+/-0.005 χ^2/NDF:5353392.3/37

Out: 36.099+/-0.005 χ^2/NDF:5161306.2/41

All: 35.646+/-0.004 χ^2/NDF: 10528478.2/79



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/22

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:18.0/21

Left: -0.000+/-0.000 χ^2/NDF: 44.6/44

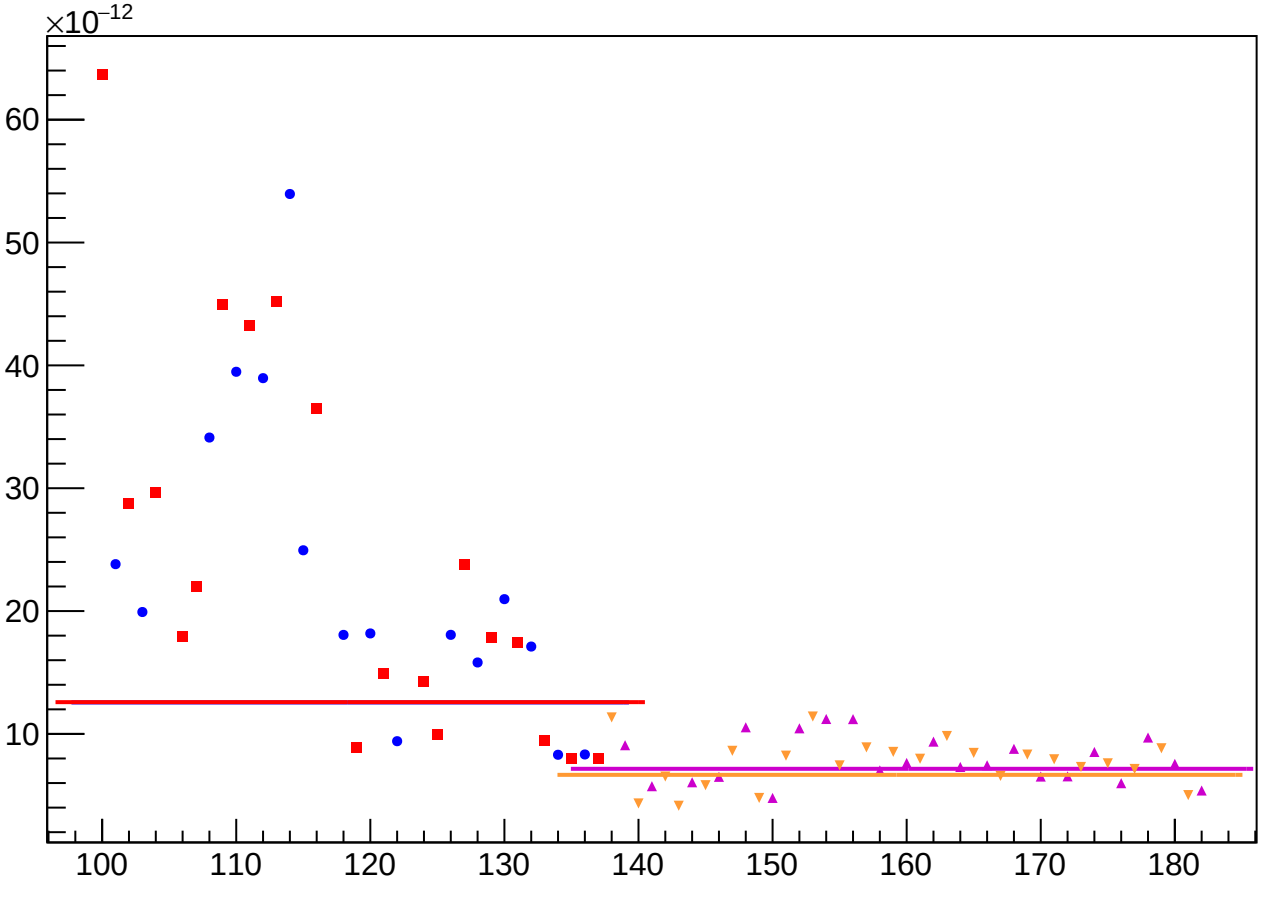
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:39.8/37

Out: -0.000+/-0.000 χ^2/NDF:43.5/41

All: -0.000+/-0.000 χ^2/NDF: 83.4/79

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1952265.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1363172.6/21

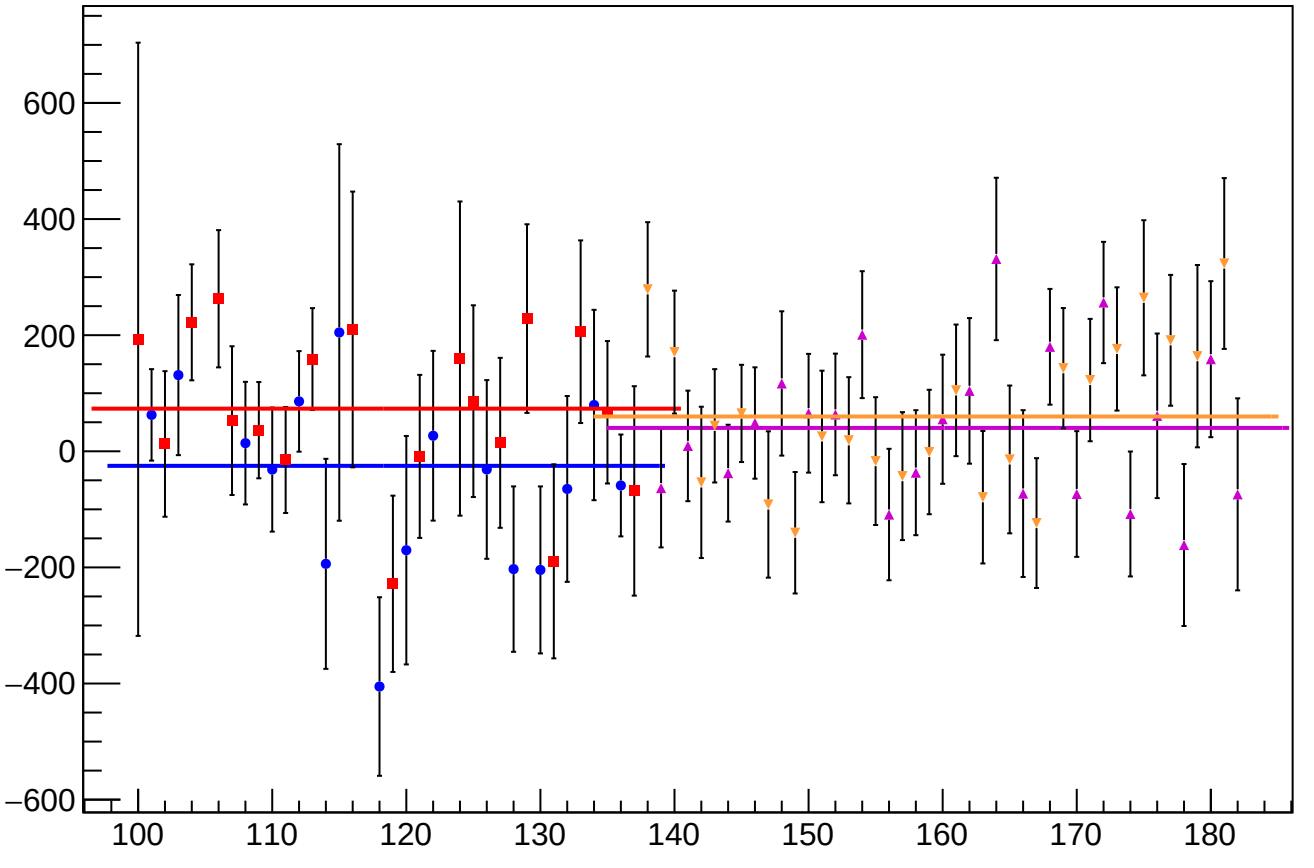
Left: 0.000+/-0.000 χ^2/NDF: 3374018.8/44

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:4800366.6/37

Out: 0.000+/-0.000 χ^2/NDF:6157218.2/41

All: 0.000+/-0.000 χ^2/NDF: 11031032.8/79



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 59.931+/-23.381 χ^2/NDF:26.7/22

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 40.279+/-23.843 χ^2/NDF:24.8/21

Left: 50.297+/-16.694 χ^2/NDF: 51.8/44

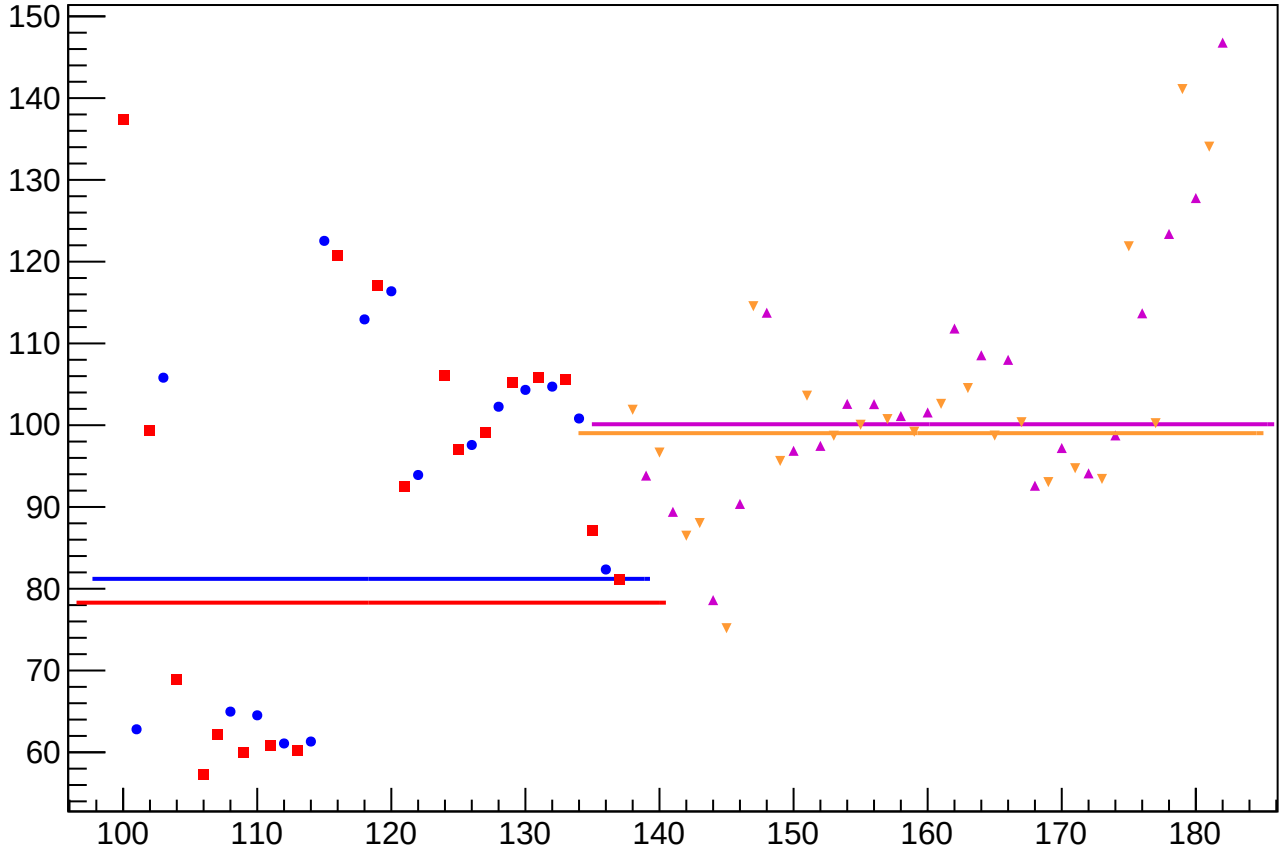
Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 16.214+/-18.951 χ^2/NDF:43.7/37

Out: 65.056+/-18.427 χ^2/NDF:43.6/41

All: 41.321+/-13.211 χ^2/NDF: 90.8/79

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 99.026+/-0.017 χ^2/NDF:583150.4/22

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 100.117+/-0.017 χ^2/NDF:584790.3/21

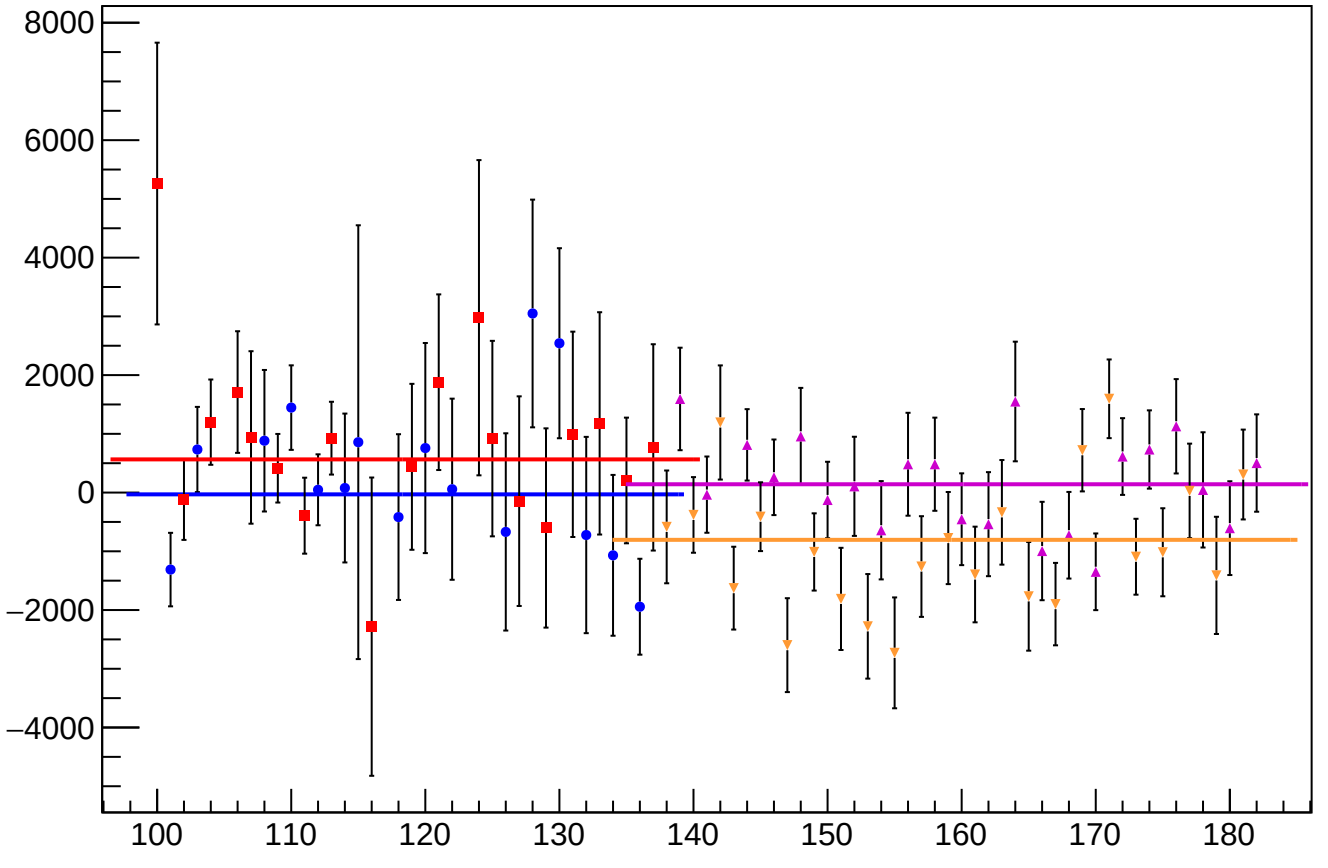
Left: 99.561+/-0.012 χ^2/NDF: 1170075.0/44

Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 93.154+/-0.013 χ^2/NDF:1835585.7/37

Out: 91.172+/-0.013 χ^2/NDF:2113405.5/41

All: 92.135+/-0.009 χ^2/NDF: 3960242.1/79



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -804.851+/-160.709 χ^2/NDF:45.9/22

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 141.515+/-162.099 χ^2/NDF:21.9/21

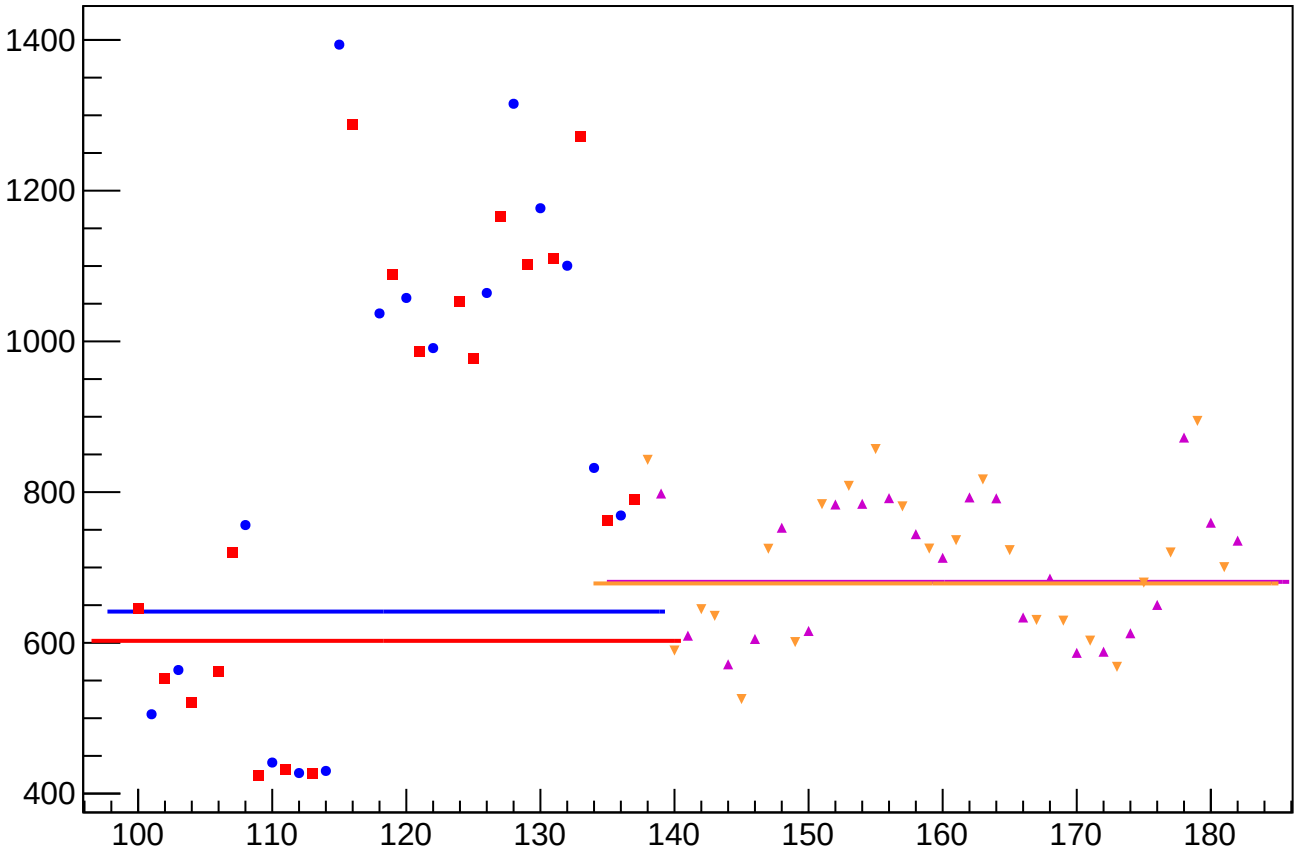
Left: -335.743+/-114.127 χ^2/NDF: 85.0/44

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 92.585+/-137.105 χ^2/NDF:44.1/37

Out: -377.106+/-133.274 χ^2/NDF:81.9/41

All: -148.914+/-95.565 χ^2/NDF: 132.0/79



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 678.819+/-0.114 χ^2/NDF:723249.9/22

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 680.931+/-0.115 χ^2/NDF:568651.7/21

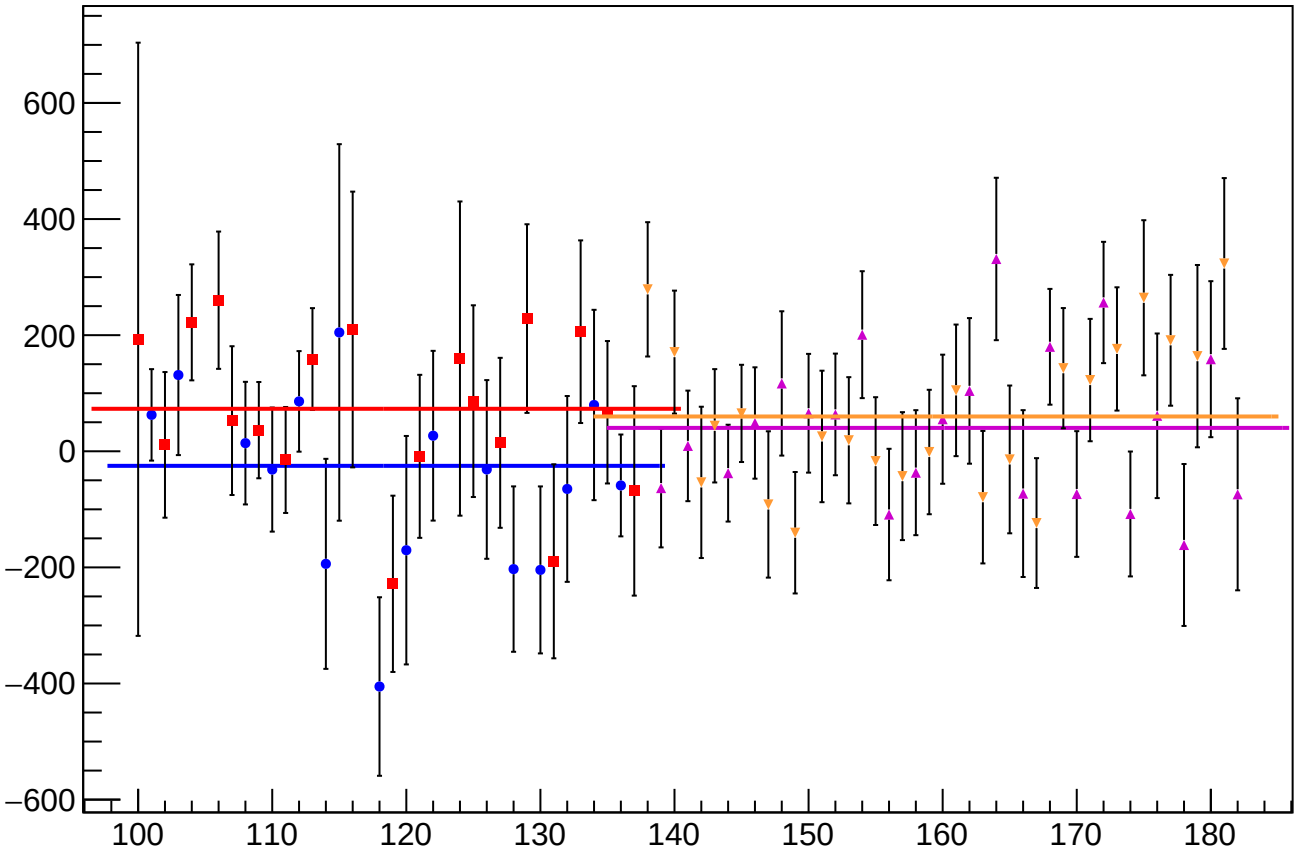
Left: 679.866+/-0.081 χ^2/NDF: 1292072.9/44

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 669.709+/-0.097 χ^2/NDF:2477326.9/37

Out: 655.034+/-0.094 χ^2/NDF:2933842.7/41

All: 662.163+/-0.068 χ^2/NDF: 5422949.5/79



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 59.936+/-23.381 χ^2/NDF:26.7/22

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 40.281+/-23.843 χ^2/NDF:24.7/21

Left: 50.300+/-16.694 χ^2/NDF: 51.8/44

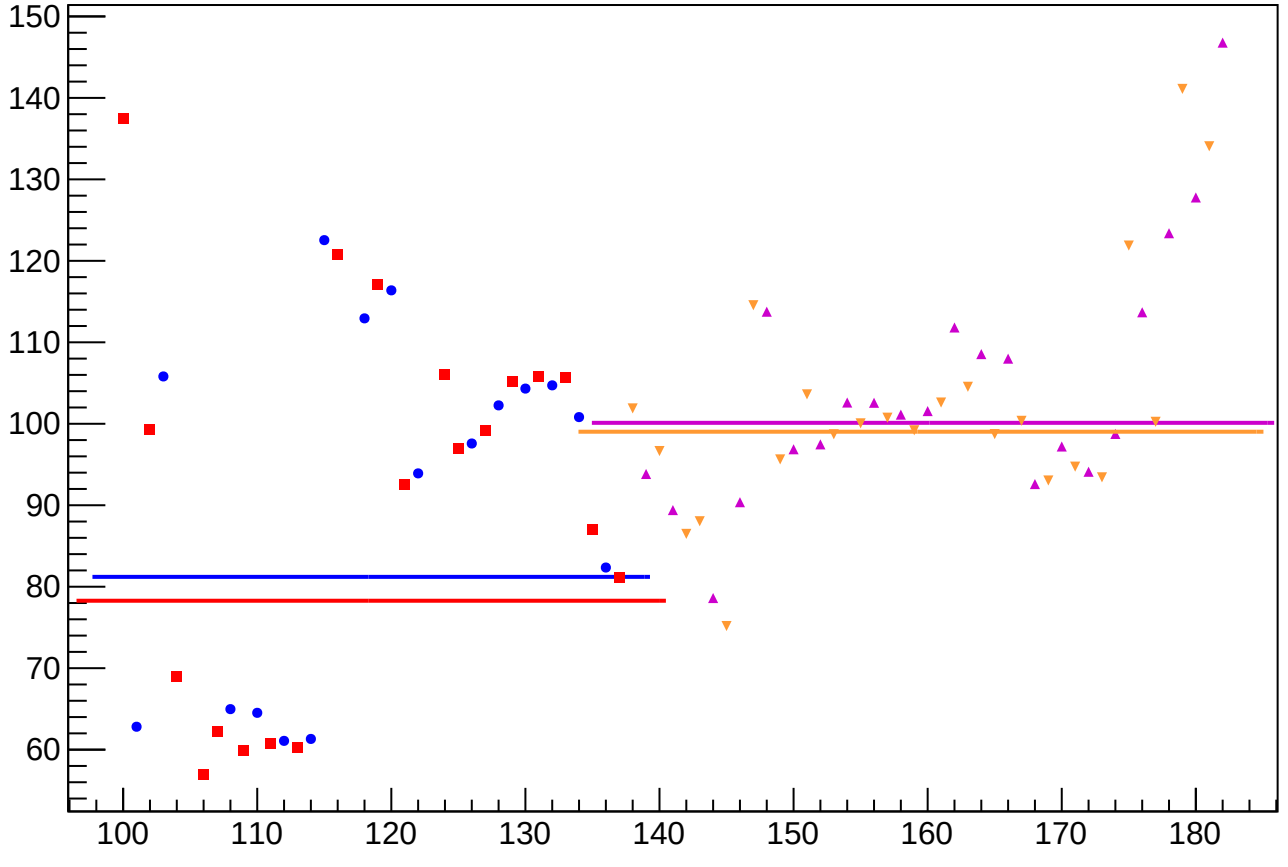
Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 16.214+/-18.951 χ^2/NDF:43.7/37

Out: 64.959+/-18.427 χ^2/NDF:43.6/41

All: 41.270+/-13.211 χ^2/NDF: 90.7/79

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 99.026+/-0.017 χ^2/NDF:583150.5/22

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 100.117+/-0.017 χ^2/NDF:584790.3/21

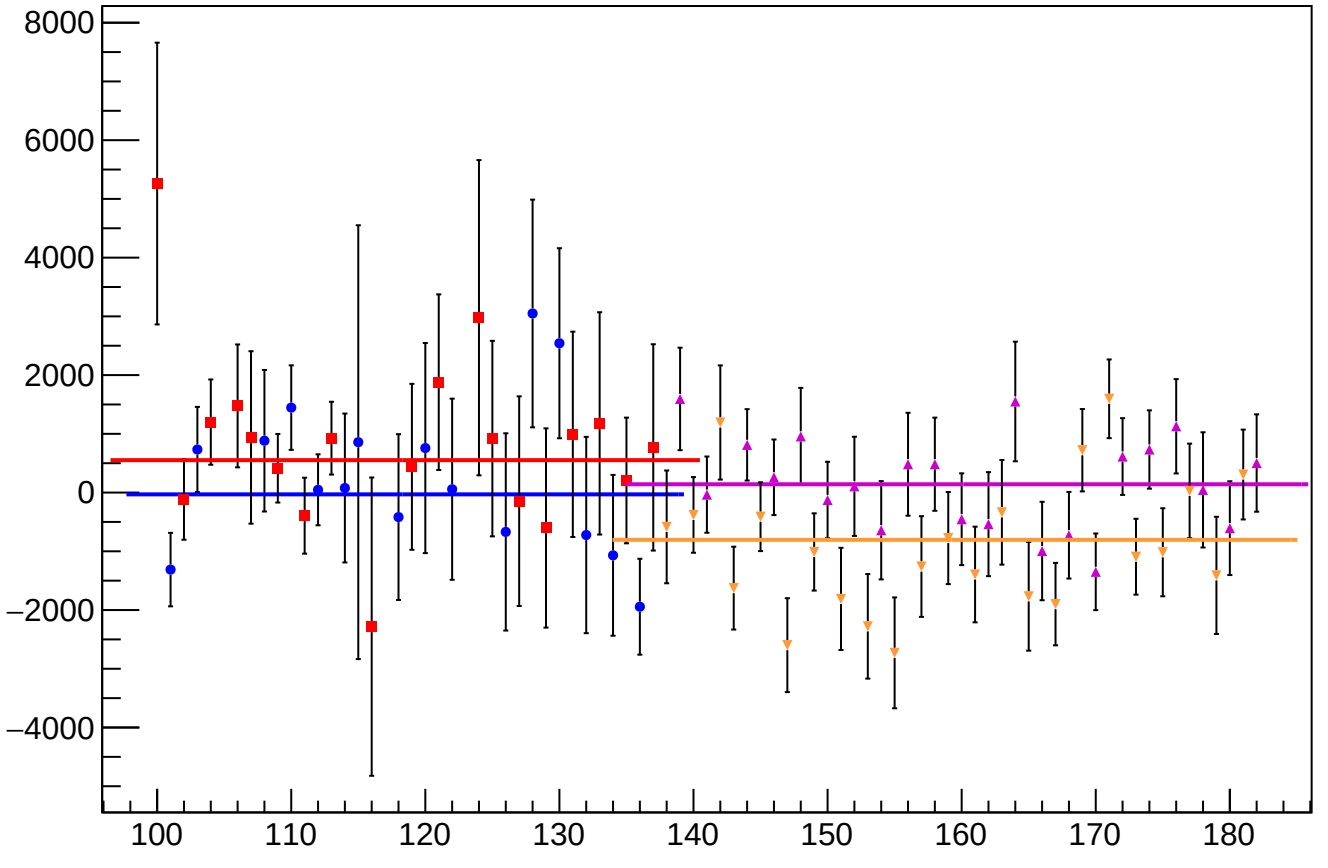
Left: 99.561+/-0.012 χ^2/NDF: 1170075.1/44

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 93.154+/-0.013 χ^2/NDF:1835587.2/37

Out: 91.165+/-0.013 χ^2/NDF:2116570.3/41

All: 92.132+/-0.009 χ^2/NDF: 3963481.7/79



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -804.845+/-160.709 χ^2/NDF:45.9/22

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 141.515+/-162.099 χ^2/NDF:21.9/21

Left: -335.740+/-114.127 χ^2/NDF: 85.0/44

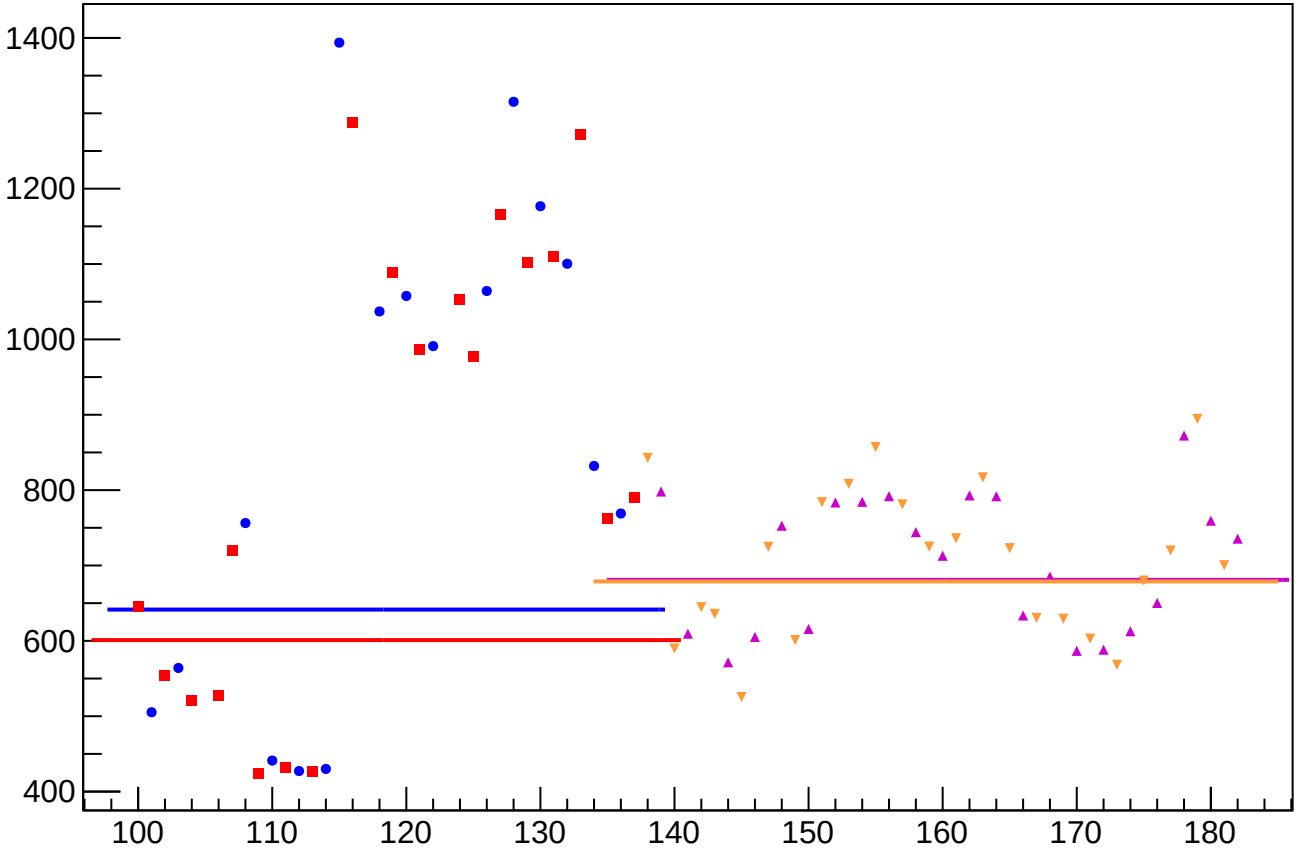
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 92.578+/-137.106 χ^2/NDF:44.1/37

Out: -381.505+/-133.300 χ^2/NDF:81.0/41

All: -151.134+/-95.575 χ^2/NDF: 131.2/79

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 678.819+/-0.114 χ^2/NDF:723249.7/22

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 680.931+/-0.115 χ^2/NDF:568652.9/21

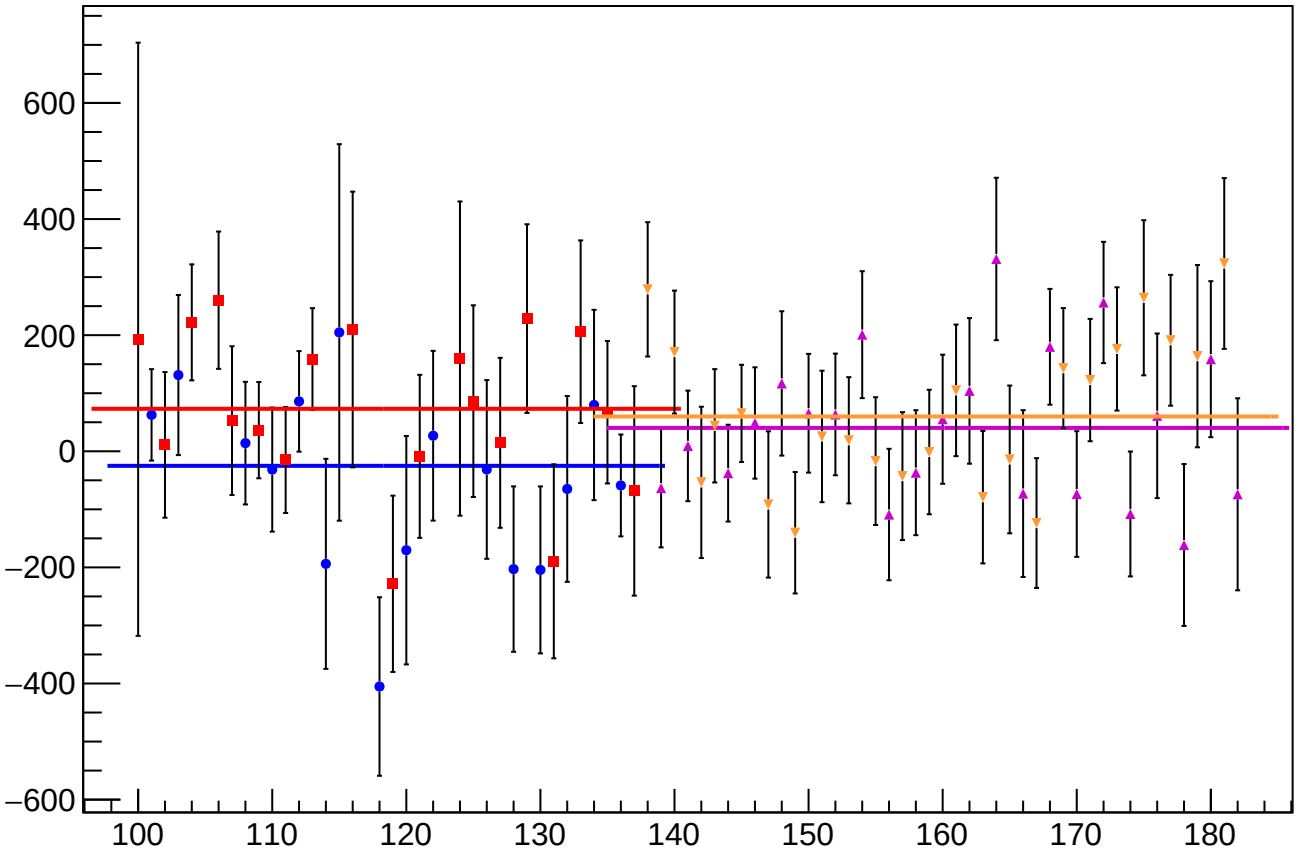
Left: 679.866+/-0.081 χ^2/NDF: 1292073.8/44

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 669.711+/-0.097 χ^2/NDF:2477271.4/37

Out: 654.531+/-0.094 χ^2/NDF:2946892.2/41

All: 661.907+/-0.068 χ^2/NDF: 5436767.8/79



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 59.936+/-23.381 χ^2/NDF:26.7/22

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 40.281+/-23.843 χ^2/NDF:24.7/21

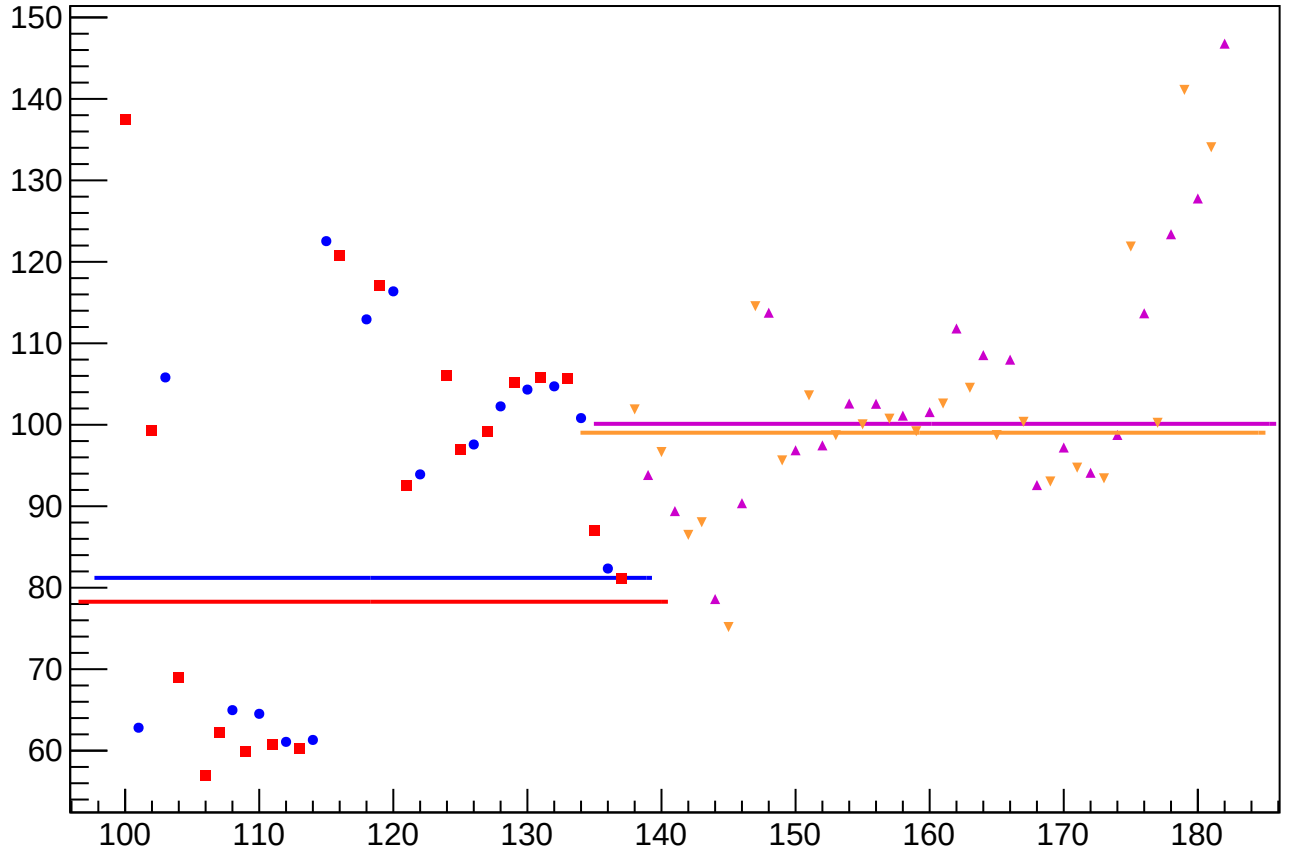
Left: 50.300+/-16.694 χ^2/NDF: 51.8/44

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 16.214+/-18.951 χ^2/NDF:43.7/37

Out: 64.959+/-18.427 χ^2/NDF:43.6/41

All: 41.270+/-13.211 χ^2/NDF: 90.7/79



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 99.026+/-0.017 χ^2/NDF:583150.5/22

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 100.117+/-0.017 χ^2/NDF:584790.3/21

Left: 99.561+/-0.012 χ^2/NDF: 1170075.1/44

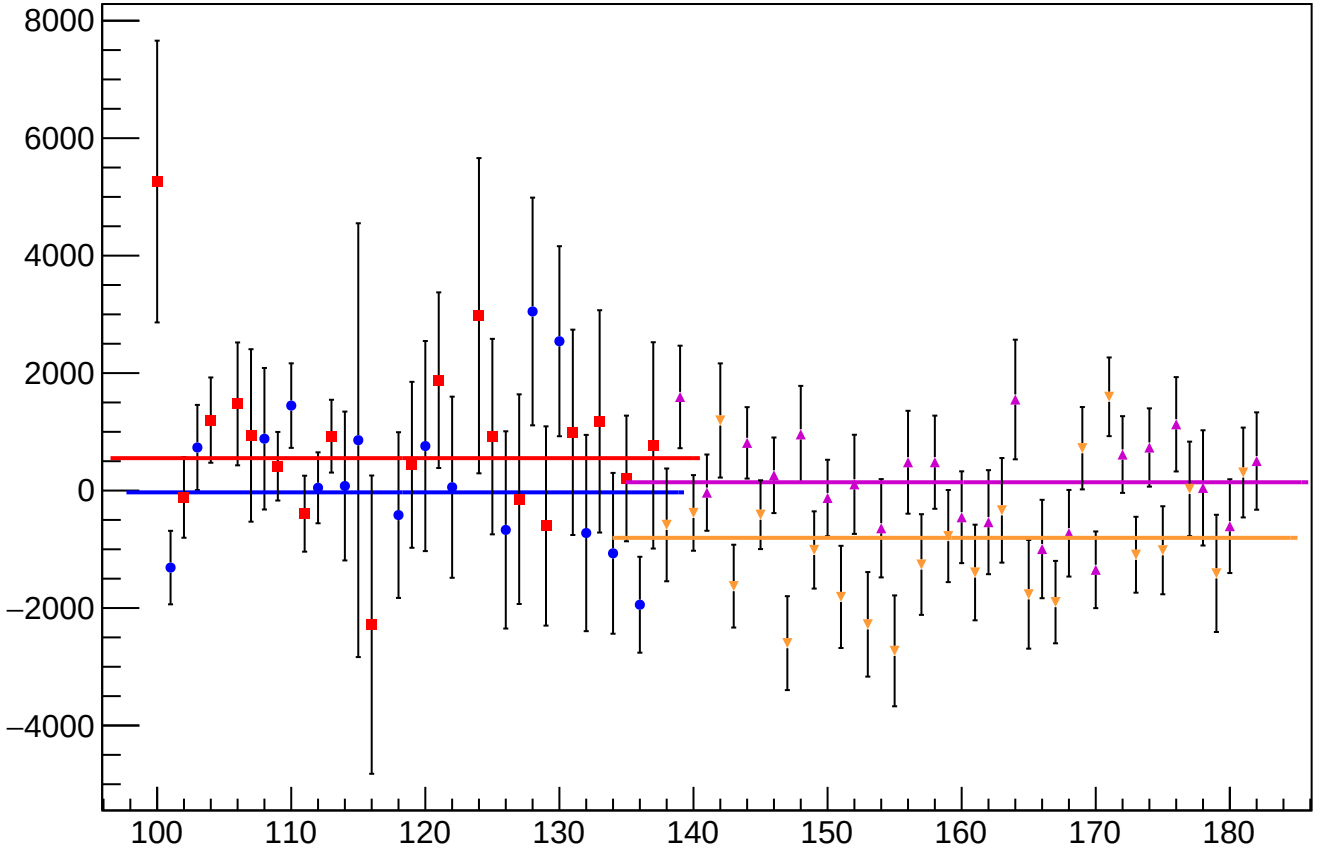
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 93.154+/-0.013 χ^2/NDF:1835587.2/37

Out: 91.165+/-0.013 χ^2/NDF:2116570.3/41

All: 92.132+/-0.009 χ^2/NDF: 3963481.7/79

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: -804.845+/-160.709 χ^2/NDF:45.9/22

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 141.515+/-162.099 χ^2/NDF:21.9/21

Left: -335.740+/-114.127 χ^2/NDF: 85.0/44

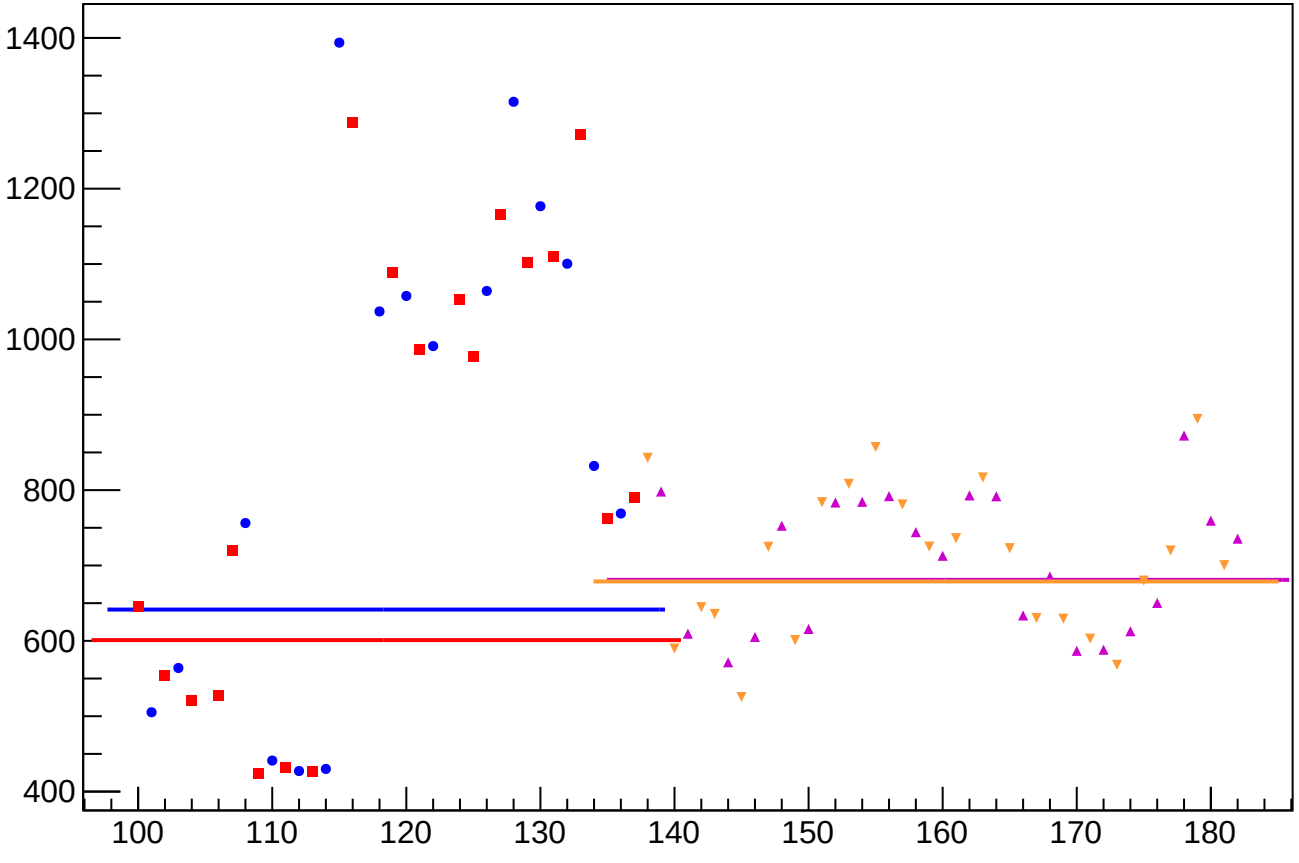
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 92.578+/-137.106 χ^2/NDF:44.1/37

Out: -381.505+/-133.300 χ^2/NDF:81.0/41

All: -151.134+/-95.575 χ^2/NDF: 131.2/79

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 678.819+/-0.114 χ^2/NDF:723249.7/22

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 680.931+/-0.115 χ^2/NDF:568652.9/21

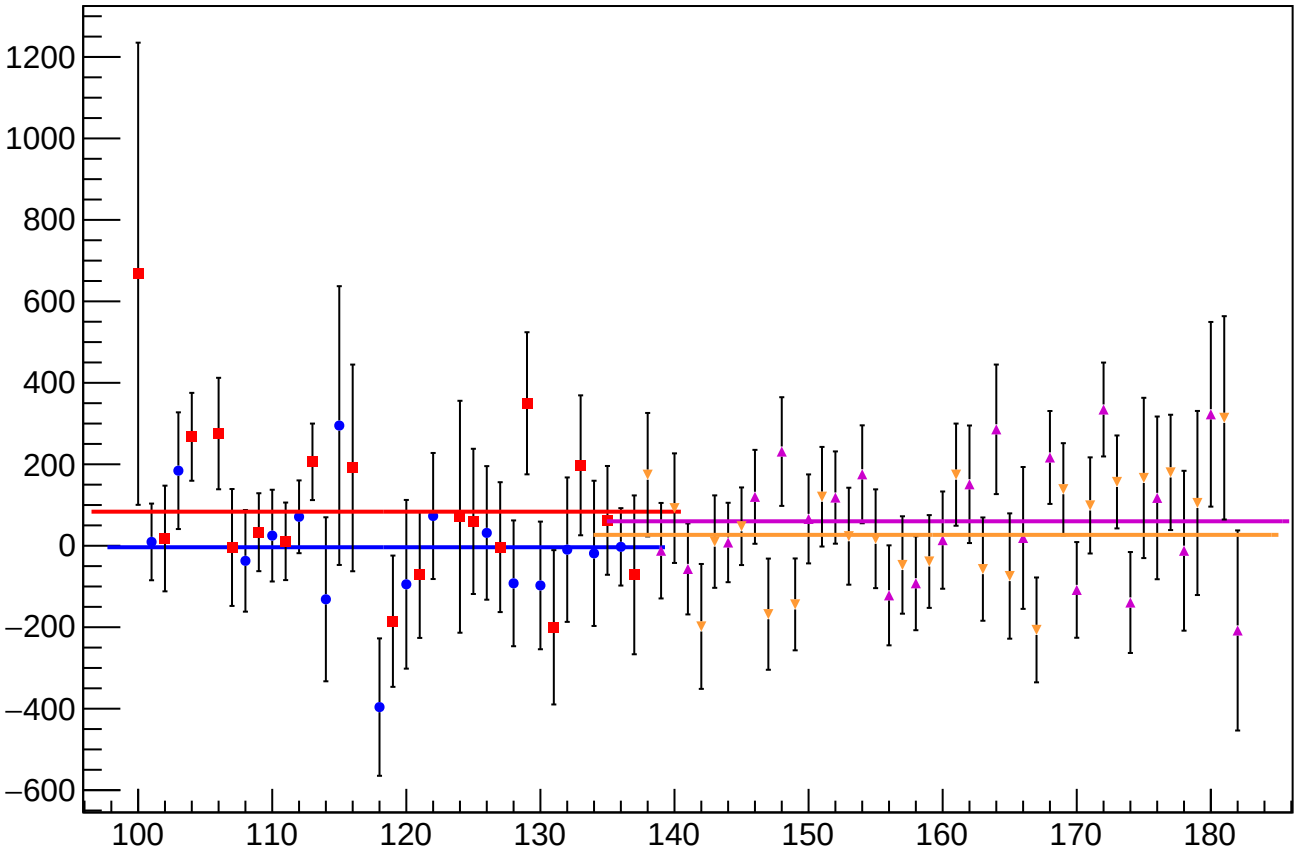
Left: 679.866+/-0.081 χ^2/NDF: 1292073.8/44

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 669.711+/-0.097 χ^2/NDF:2477271.4/37

Out: 654.531+/-0.094 χ^2/NDF:2946892.2/41

All: 661.907+/-0.068 χ^2/NDF: 5436767.8/79



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 26.755+/-26.912 χ^2/NDF:20.4/22

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 60.064+/-27.424 χ^2/NDF:26.4/21

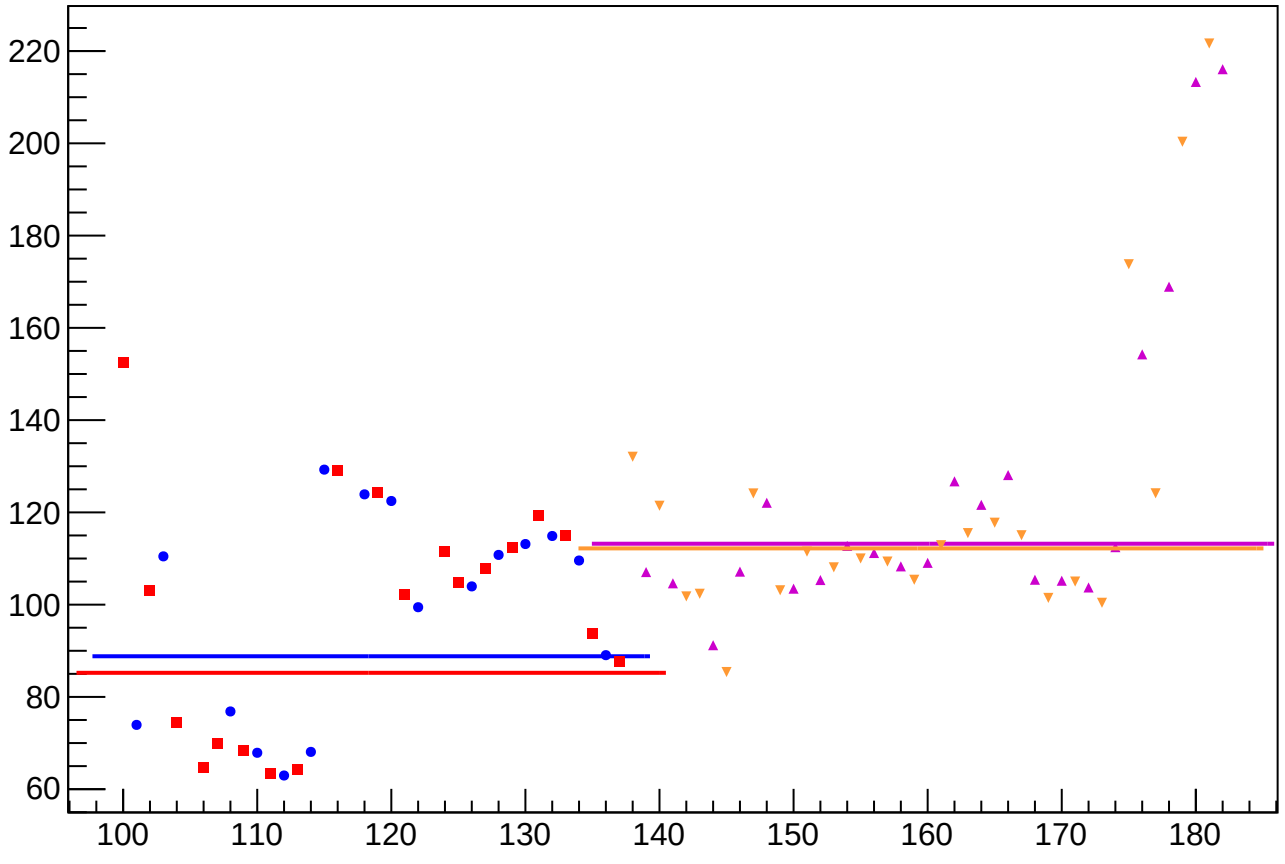
Left: 43.096+/-19.208 χ^2/NDF: 47.5/44

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 35.092+/-21.383 χ^2/NDF:38.8/37

Out: 49.798+/-20.762 χ^2/NDF:41.2/41

All: 42.662+/-14.896 χ^2/NDF: 80.3/79



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 112.195+/-0.019 χ^2/NDF:1216852.5/22

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 113.208+/-0.019 χ^2/NDF:1222058.5/21

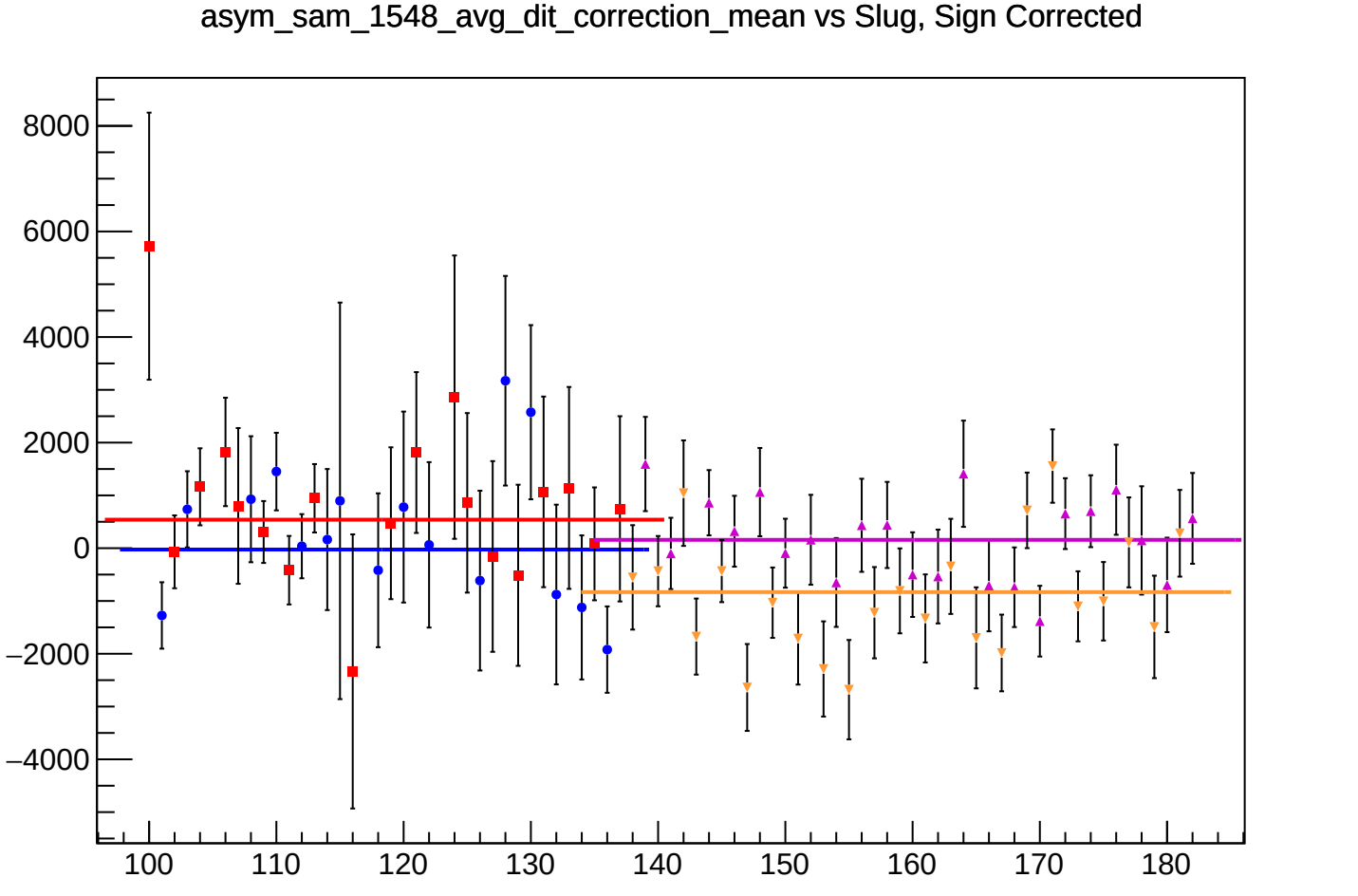
Left: 112.691+/-0.014 χ^2/NDF: 2440301.2/44

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

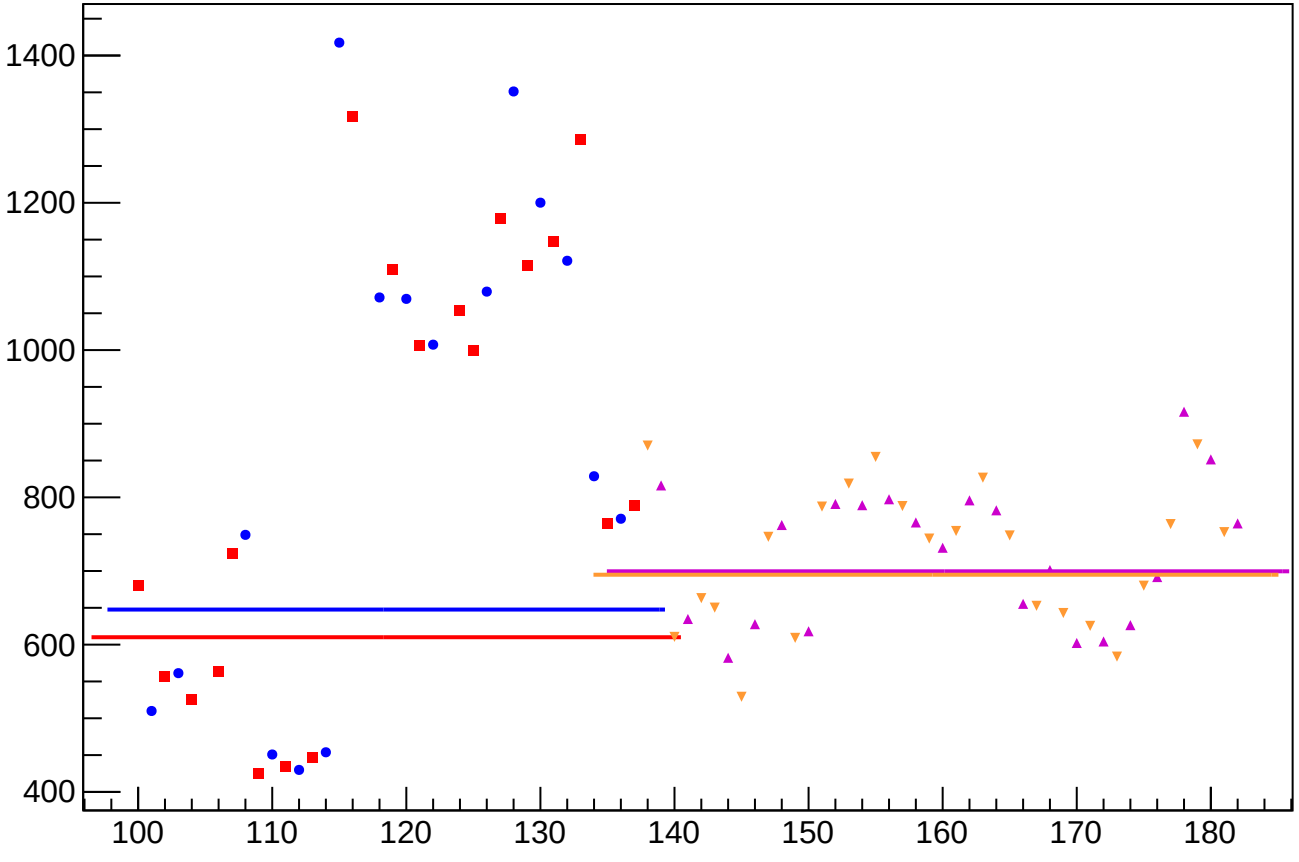
In: 103.644+/-0.015 χ^2/NDF:2567032.2/37

Out: 101.277+/-0.015 χ^2/NDF:2914012.9/41

All: 102.426+/-0.011 χ^2/NDF: 5493665.2/79


asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: -25.770+/-259.401 χ²/NDF: 21.6/15
Left Out: -832.320+/-164.289 χ²/NDF:42.6/22
Right Out: 539.635+/-241.238 χ²/NDF: 13.6/18
Left In: 157.824+/-166.521 χ²/NDF:20.6/21
Left: -343.930+/-116.951 χ²/NDF: 81.1/44
Right: 277.418+/-176.654 χ²/NDF: 37.7/34
In: 104.245+/-140.132 χ²/NDF:42.5/37
Out: -397.627+/-135.790 χ²/NDF:78.3/41
All: -154.587+/-97.517 χ²/NDF: 127.5/79

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 694.945+/-0.116 χ^2/NDF:695617.4/22

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 699.584+/-0.118 χ^2/NDF:583151.6/21

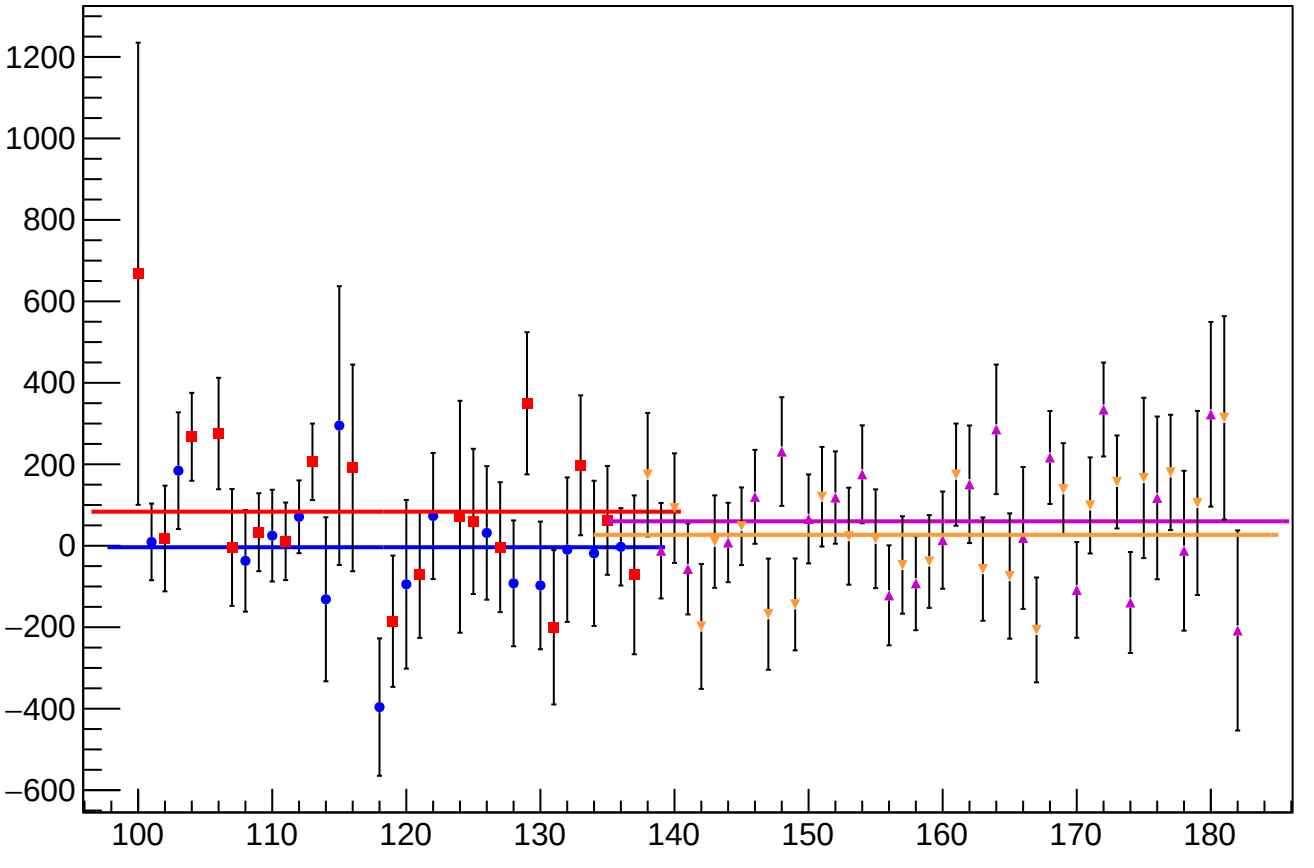
Left: 697.233+/-0.083 χ^2/NDF: 1279555.6/44

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 684.425+/-0.099 χ^2/NDF:2527759.4/37

Out: 668.050+/-0.096 χ^2/NDF:2939033.0/41

All: 675.980+/-0.069 χ^2/NDF: 5480877.3/79



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 26.756+/-26.912 χ^2/NDF:20.4/22

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 60.064+/-27.424 χ^2/NDF:26.4/21

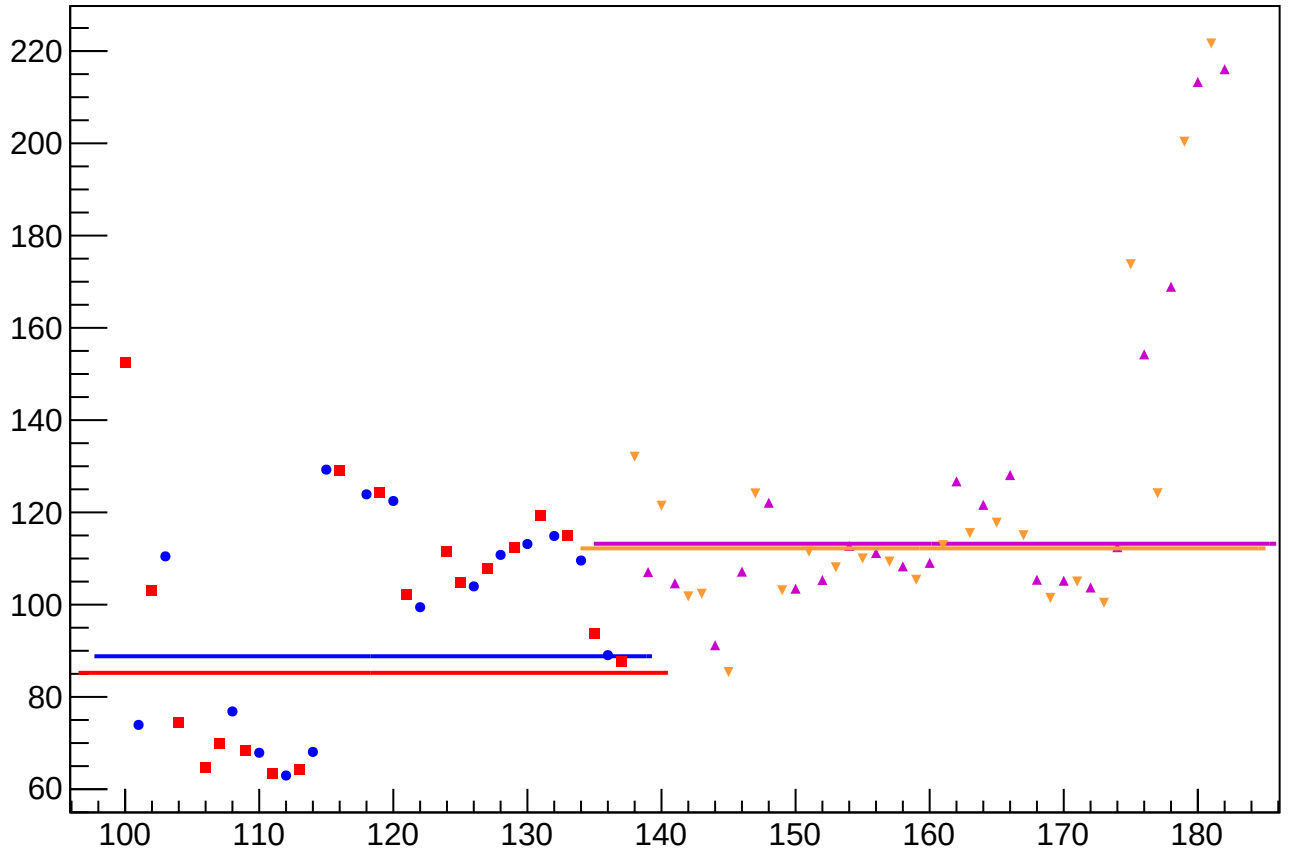
Left: 43.096+/-19.208 χ^2/NDF: 47.5/44

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 35.093+/-21.383 χ^2/NDF:38.8/37

Out: 49.798+/-20.762 χ^2/NDF:41.2/41

All: 42.662+/-14.896 χ^2/NDF: 80.3/79



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 112.195+/-0.019 χ^2/NDF:1216844.6/22

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 113.208+/-0.019 χ^2/NDF:1222037.1/21

Left: 112.692+/-0.014 χ^2/NDF: 2440272.1/44

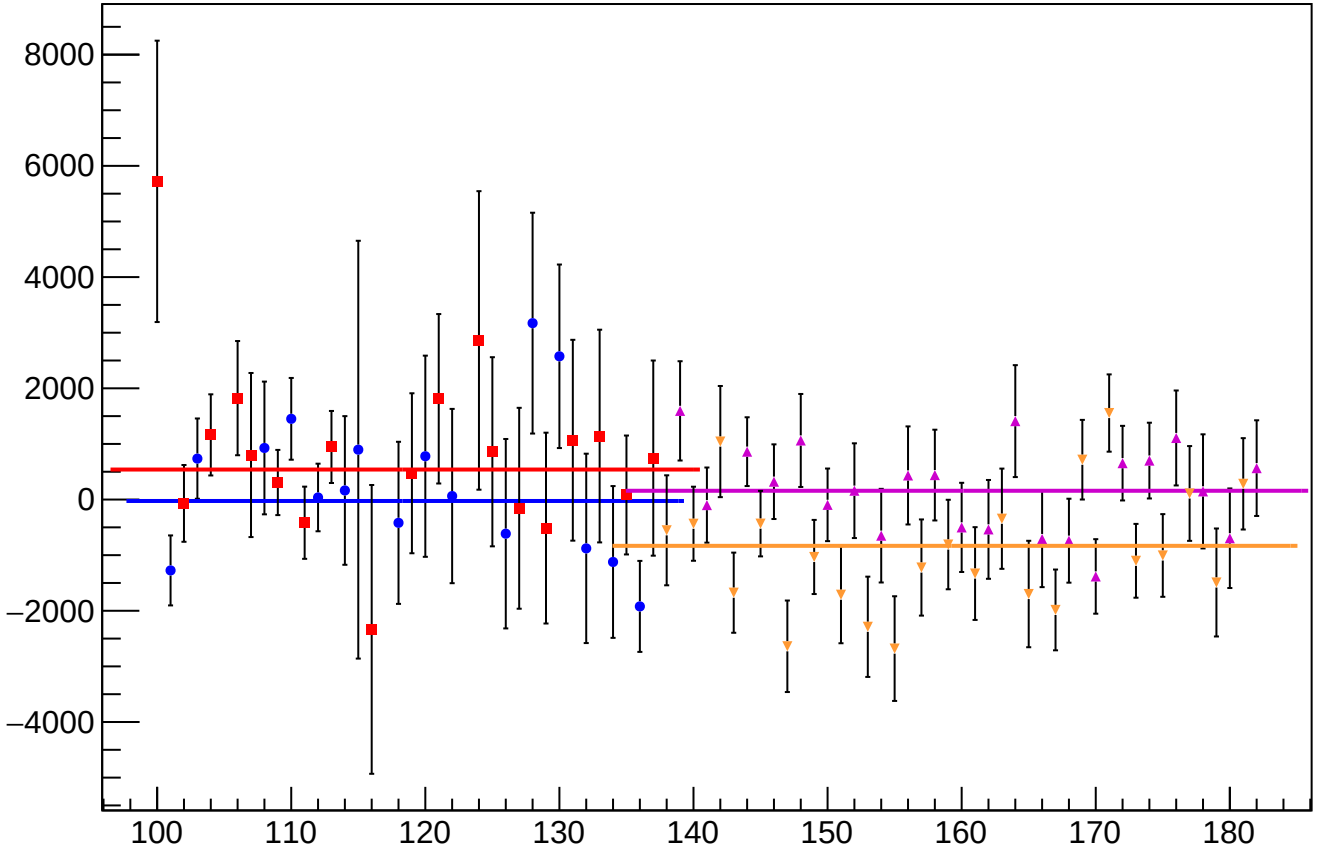
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 103.644+/-0.015 χ^2/NDF:2567019.4/37

Out: 101.277+/-0.015 χ^2/NDF:2914016.0/41

All: 102.426+/-0.011 χ^2/NDF: 5493655.8/79

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: -832.318+/-164.288 χ^2/NDF:42.6/22

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 157.823+/-166.521 χ^2/NDF:20.6/21

Left: -343.930+/-116.951 χ^2/NDF: 81.1/44

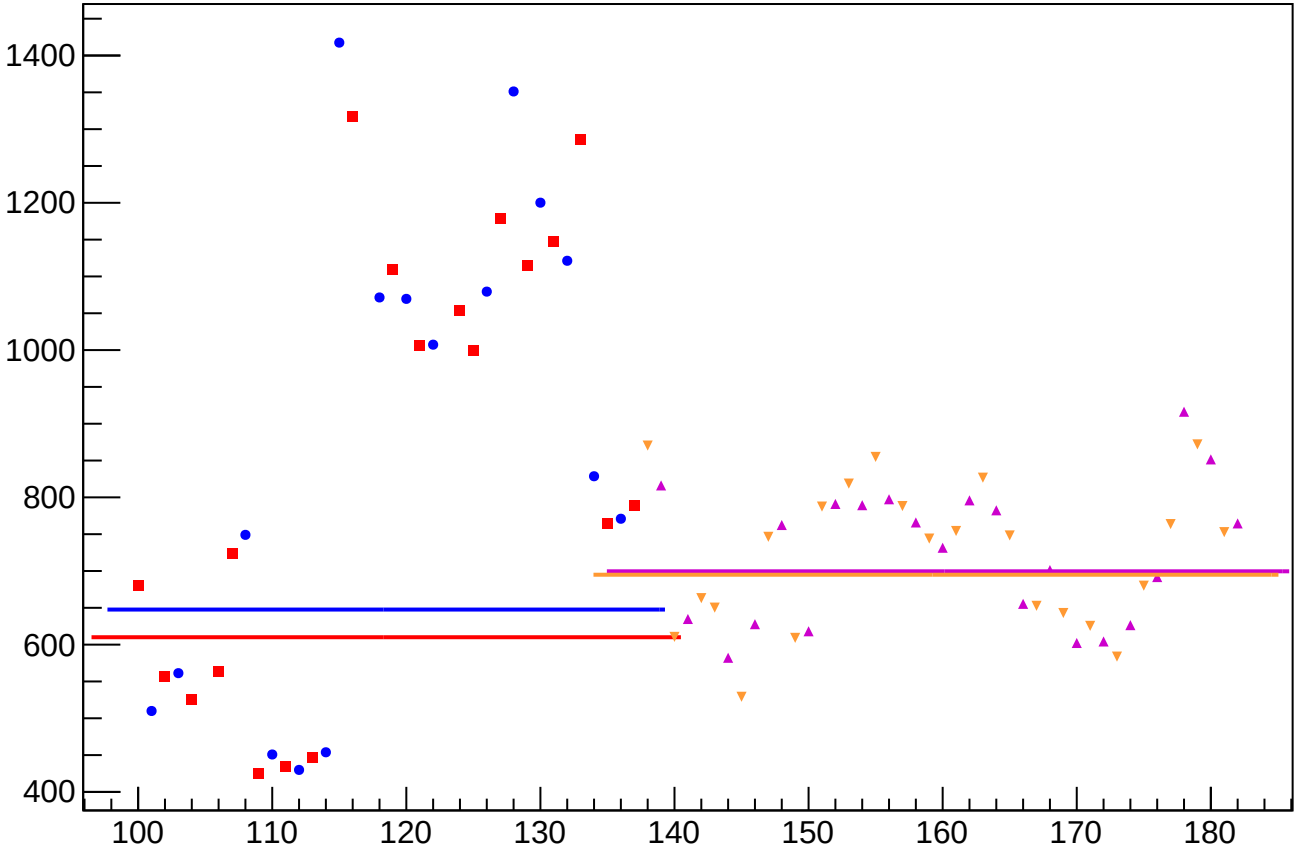
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 104.245+/-140.132 χ^2/NDF:42.5/37

Out: -397.626+/-135.790 χ^2/NDF:78.3/41

All: -154.586+/-97.517 χ^2/NDF: 127.5/79

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 694.944+/-0.116 χ^2/NDF:695615.7/22

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 699.584+/-0.118 χ^2/NDF:583147.1/21

Left: 697.233+/-0.083 χ^2/NDF: 1279549.3/44

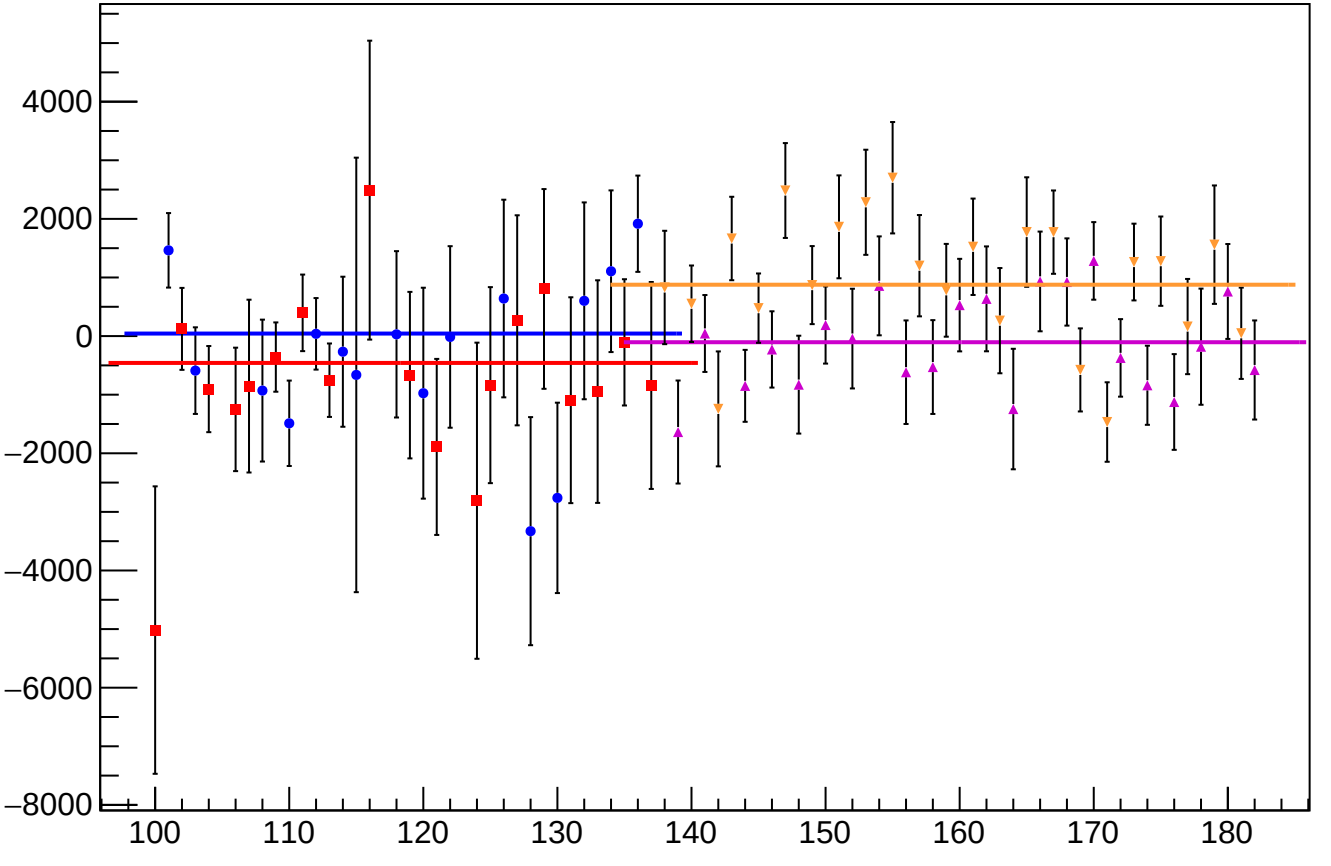
Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 684.425+/-0.099 χ^2/NDF:2527760.0/37

Out: 668.049+/-0.096 χ^2/NDF:2939034.2/41

All: 675.979+/-0.069 χ^2/NDF: 5480879.3/79

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 876.616+/-162.545 χ^2/NDF:40.8/22

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -104.749+/-163.982 χ^2/NDF:22.2/21

Left: 390.251+/-115.441 χ^2/NDF: 81.1/44

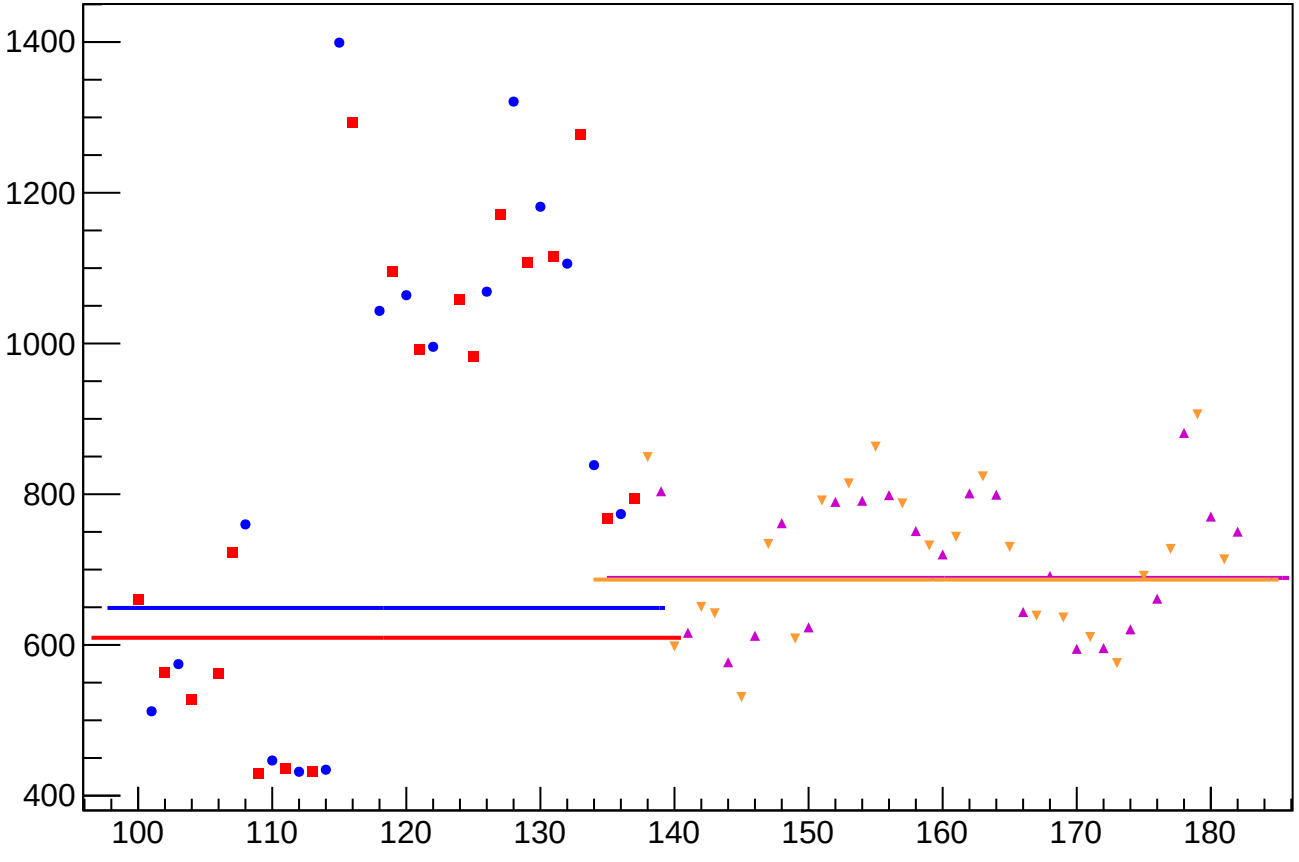
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -62.612+/-138.669 χ^2/NDF:45.6/37

Out: 459.571+/-134.780 χ^2/NDF:73.2/41

All: 205.905+/-96.649 χ^2/NDF: 126.1/79

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 686.735+/-0.115 χ^2/NDF:712795.6/22

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 688.949+/-0.116 χ^2/NDF:560996.9/21

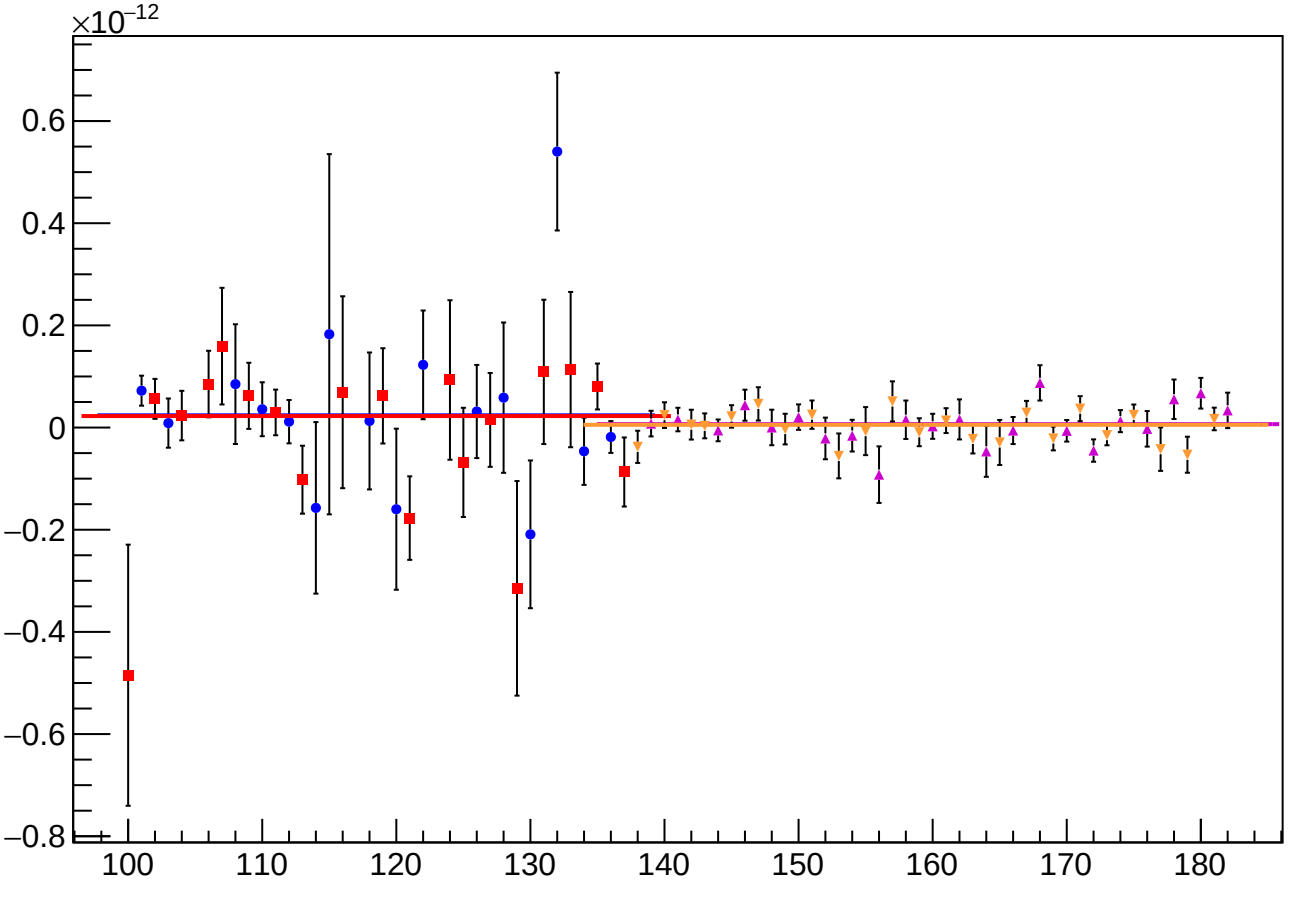
Left: 687.832+/-0.082 χ^2/NDF: 1273976.4/44

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 677.593+/-0.098 χ^2/NDF:2440477.1/37

Out: 662.608+/-0.095 χ^2/NDF:2897419.2/41

All: 669.887+/-0.068 χ^2/NDF: 5349907.5/79



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:25.8/21

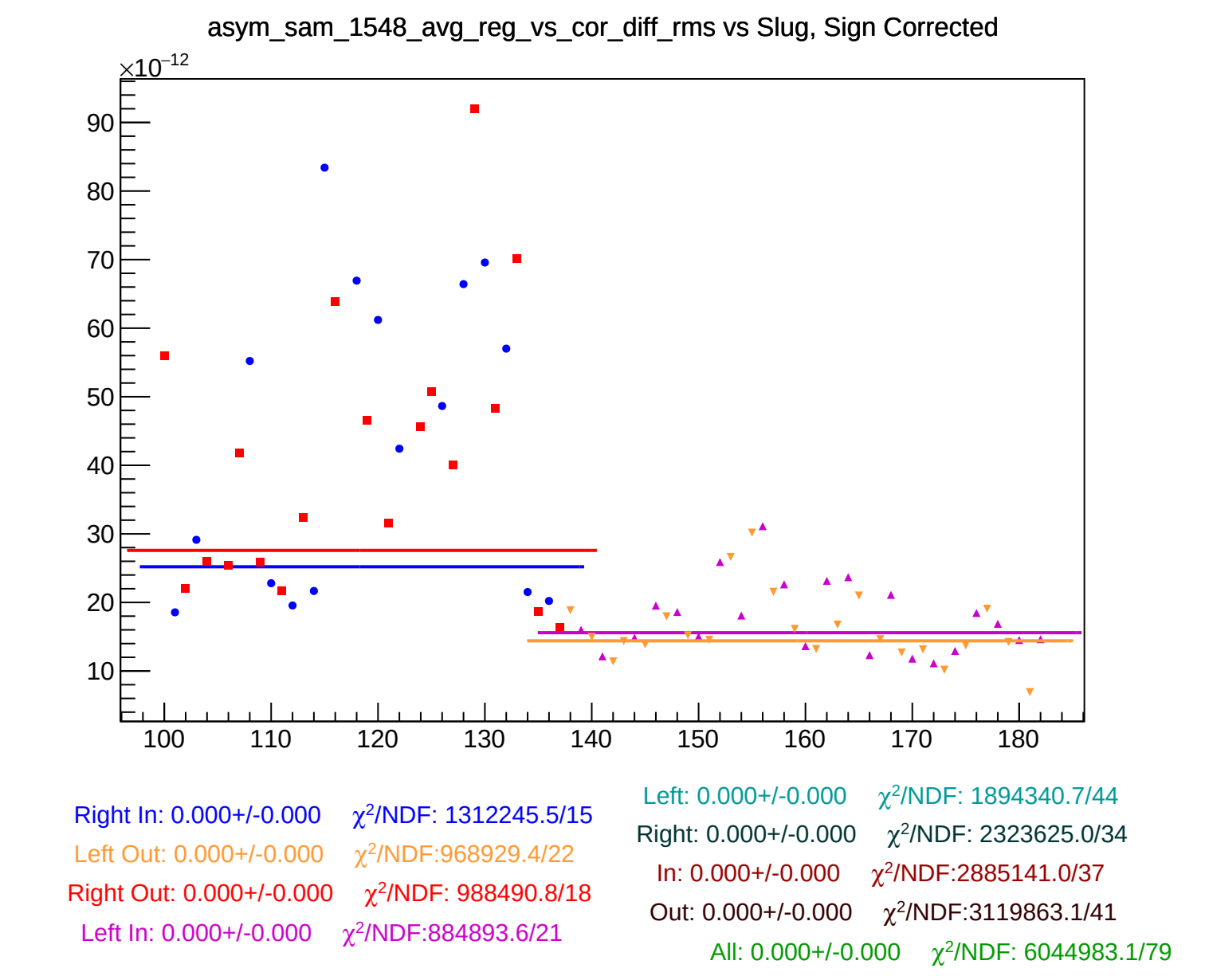
Left: 0.000+/-0.000 χ^2/NDF: 46.6/44

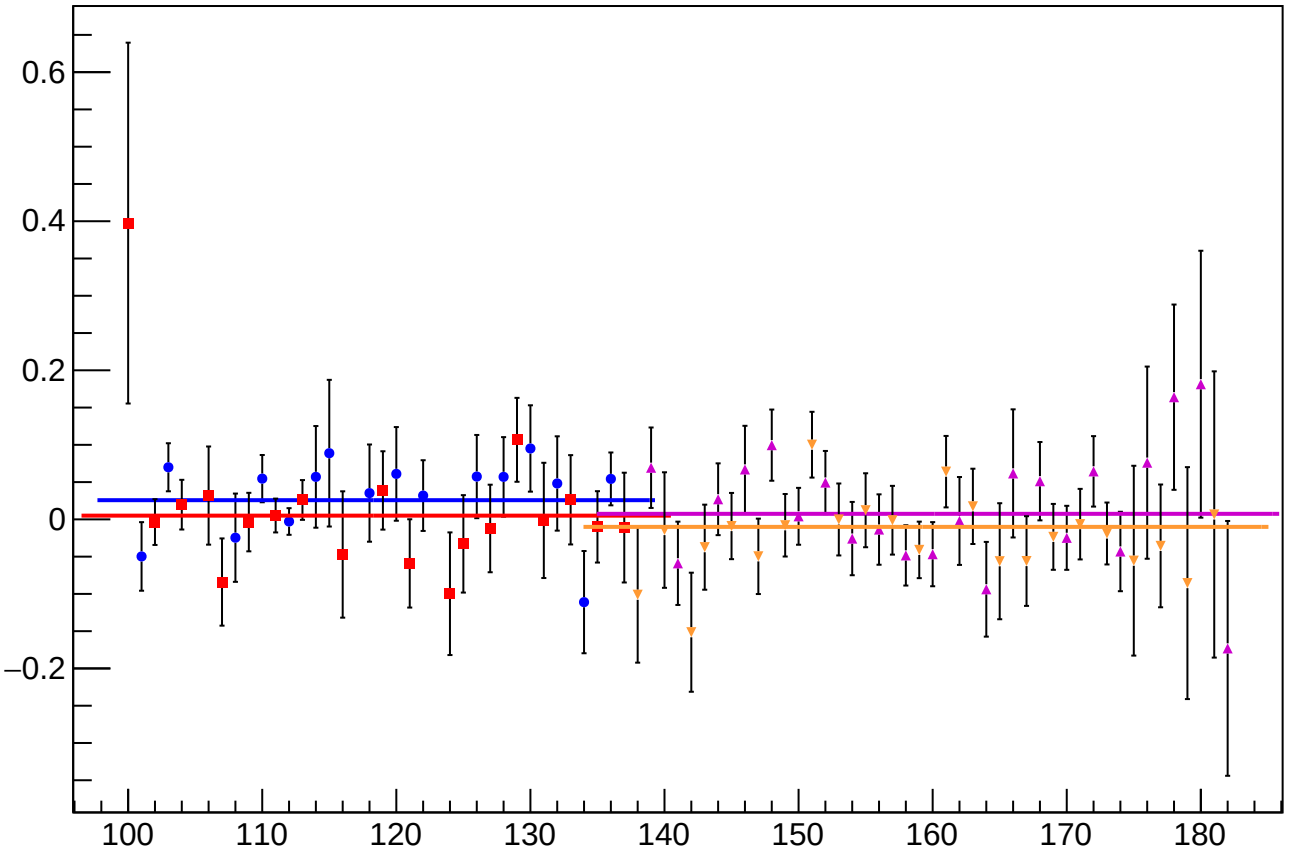
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:50.6/37

Out: 0.000+/-0.000 χ^2/NDF:47.4/41

All: 0.000+/-0.000 χ^2/NDF: 98.0/79


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:968929.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:884893.6/21
Left: 0.000+/-0.000 χ²/NDF: 1894340.7/44
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:2885141.0/37
Out: 0.000+/-0.000 χ²/NDF:3119863.1/41
All: 0.000+/-0.000 χ²/NDF: 6044983.1/79



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/22

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.011 χ^2/NDF:23.3/21

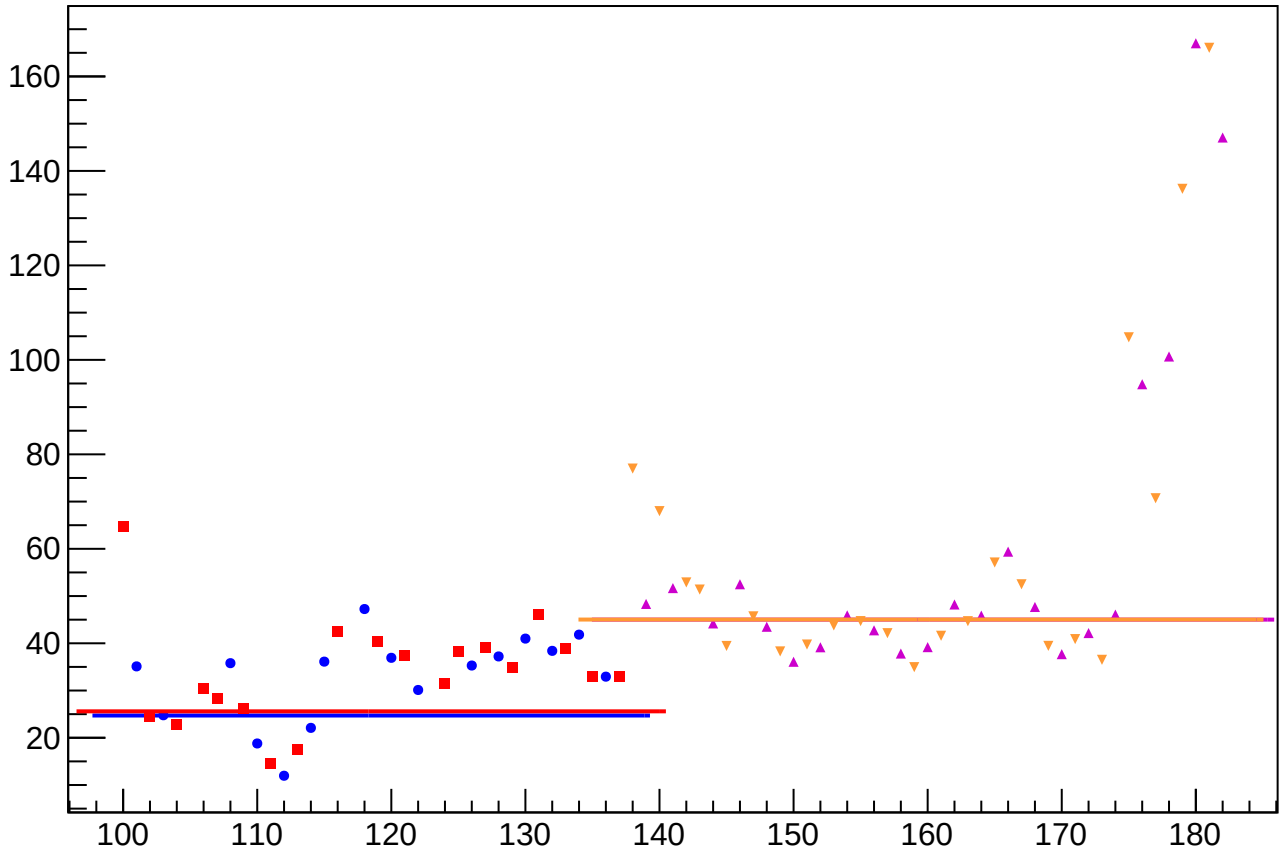
Left: -0.001+/-0.008 χ^2/NDF: 40.8/44

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:41.2/37

Out: -0.002+/-0.008 χ^2/NDF:31.0/41

All: 0.008+/-0.005 χ^2/NDF: 75.3/79



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.025+/-0.008 χ^2/NDF:3065531.0/22

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 45.011+/-0.008 χ^2/NDF:2799513.3/21

Left: 45.018+/-0.006 χ^2/NDF: 5865045.9/44

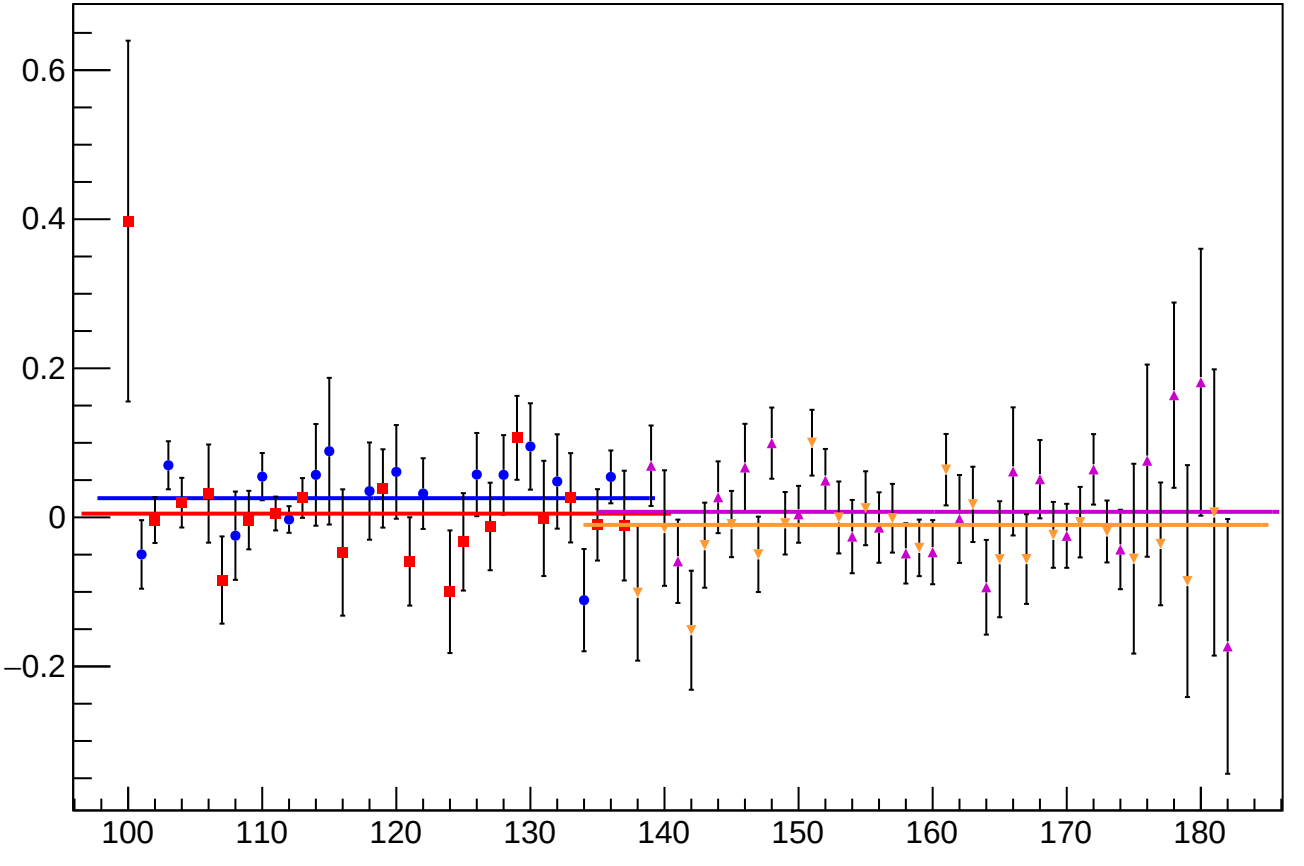
Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.859+/-0.005 χ^2/NDF:8556744.8/37

Out: 34.449+/-0.005 χ^2/NDF:7882706.1/41

All: 34.156+/-0.004 χ^2/NDF: 16445379.9/79

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: -0.010+/-0.011 χ^2/NDF:16.4/22

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.011 χ^2/NDF:23.3/21

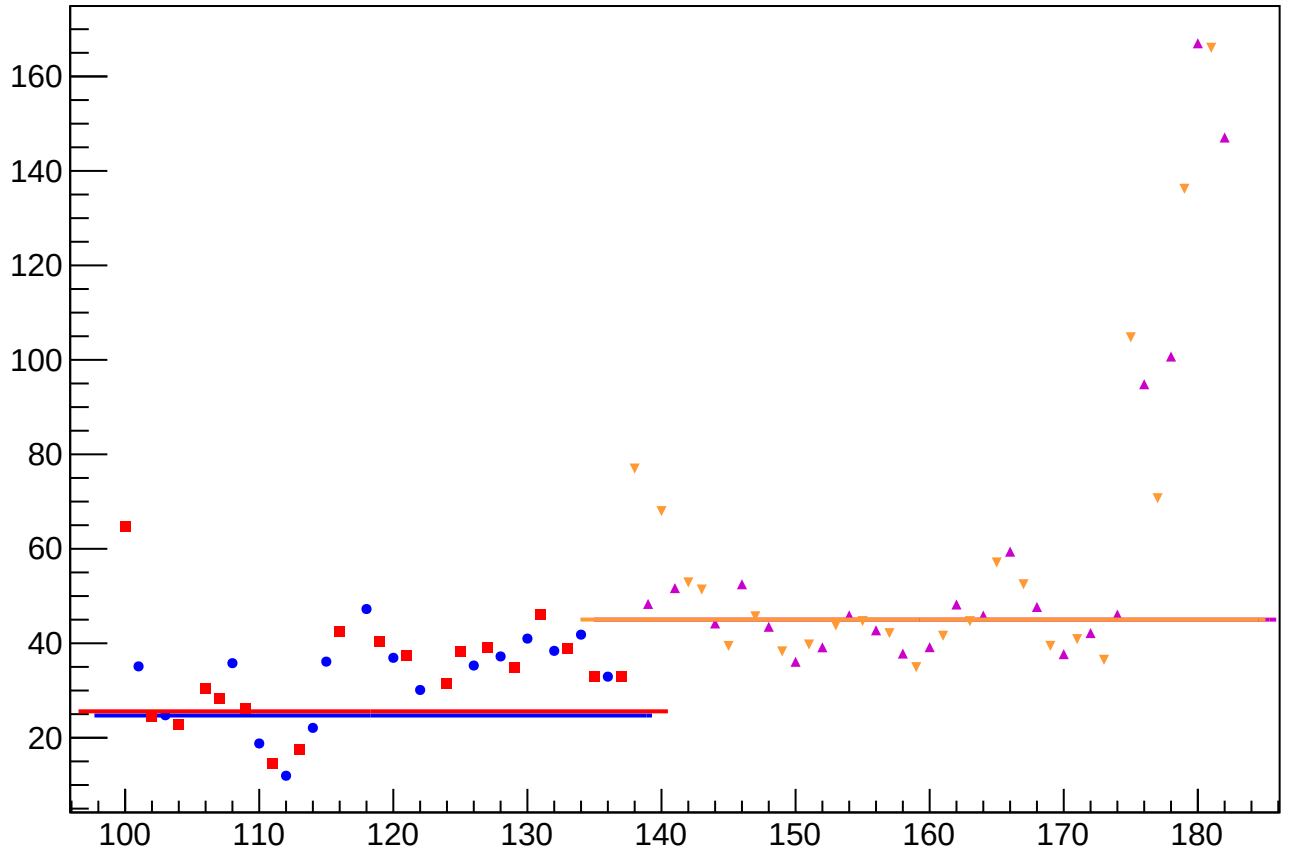
Left: -0.001+/-0.008 χ^2/NDF: 40.8/44

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:41.2/37

Out: -0.002+/-0.008 χ^2/NDF:31.0/41

All: 0.008+/-0.005 χ^2/NDF: 75.3/79



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.025+/-0.008 χ^2/NDF:3065531.0/22

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 45.011+/-0.008 χ^2/NDF:2799513.3/21

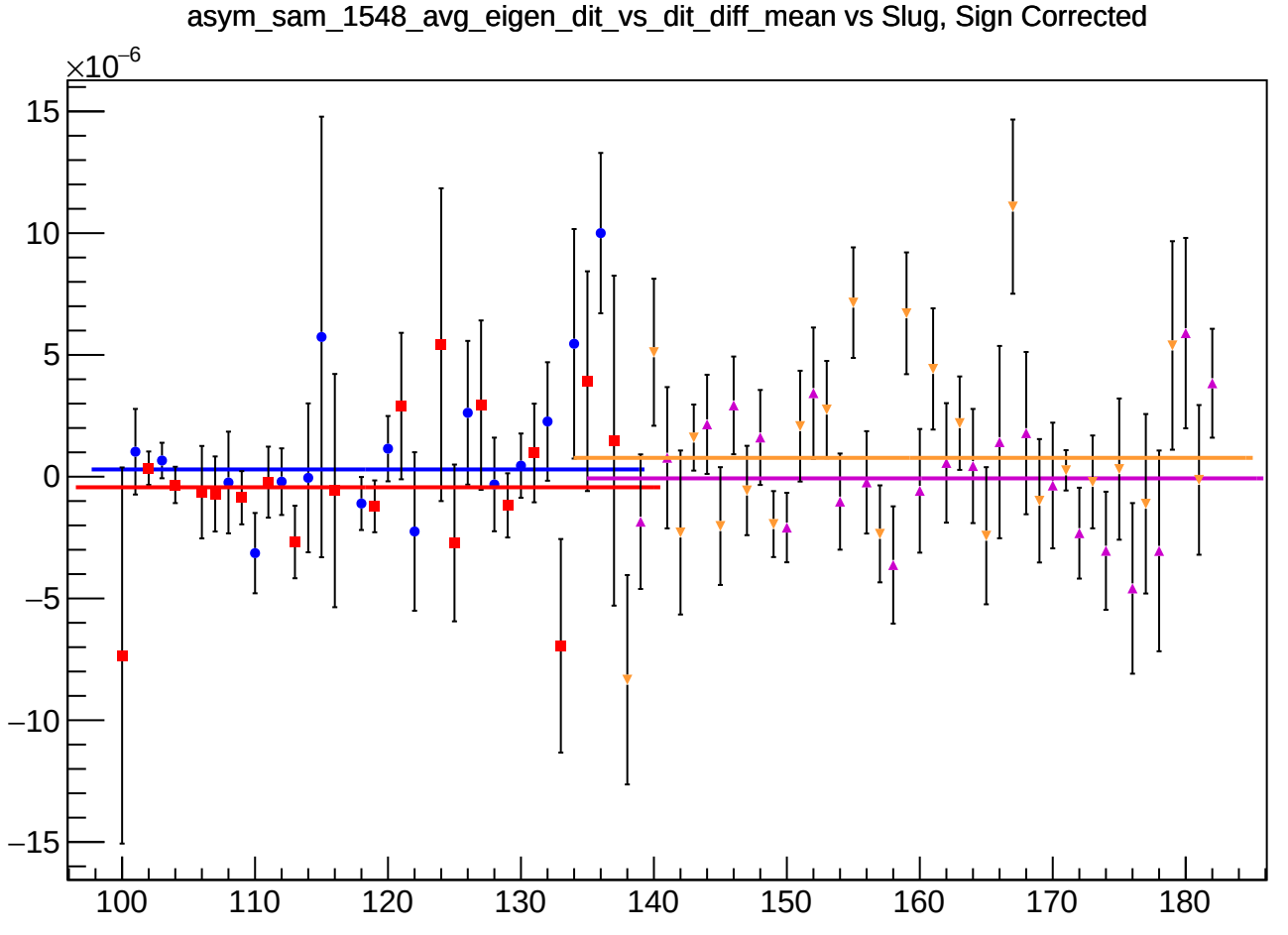
Left: 45.018+/-0.006 χ^2/NDF: 5865045.9/44

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.859+/-0.005 χ^2/NDF:8556744.8/37

Out: 34.449+/-0.005 χ^2/NDF:7882706.1/41

All: 34.156+/-0.004 χ^2/NDF: 16445379.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.9/22

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/21

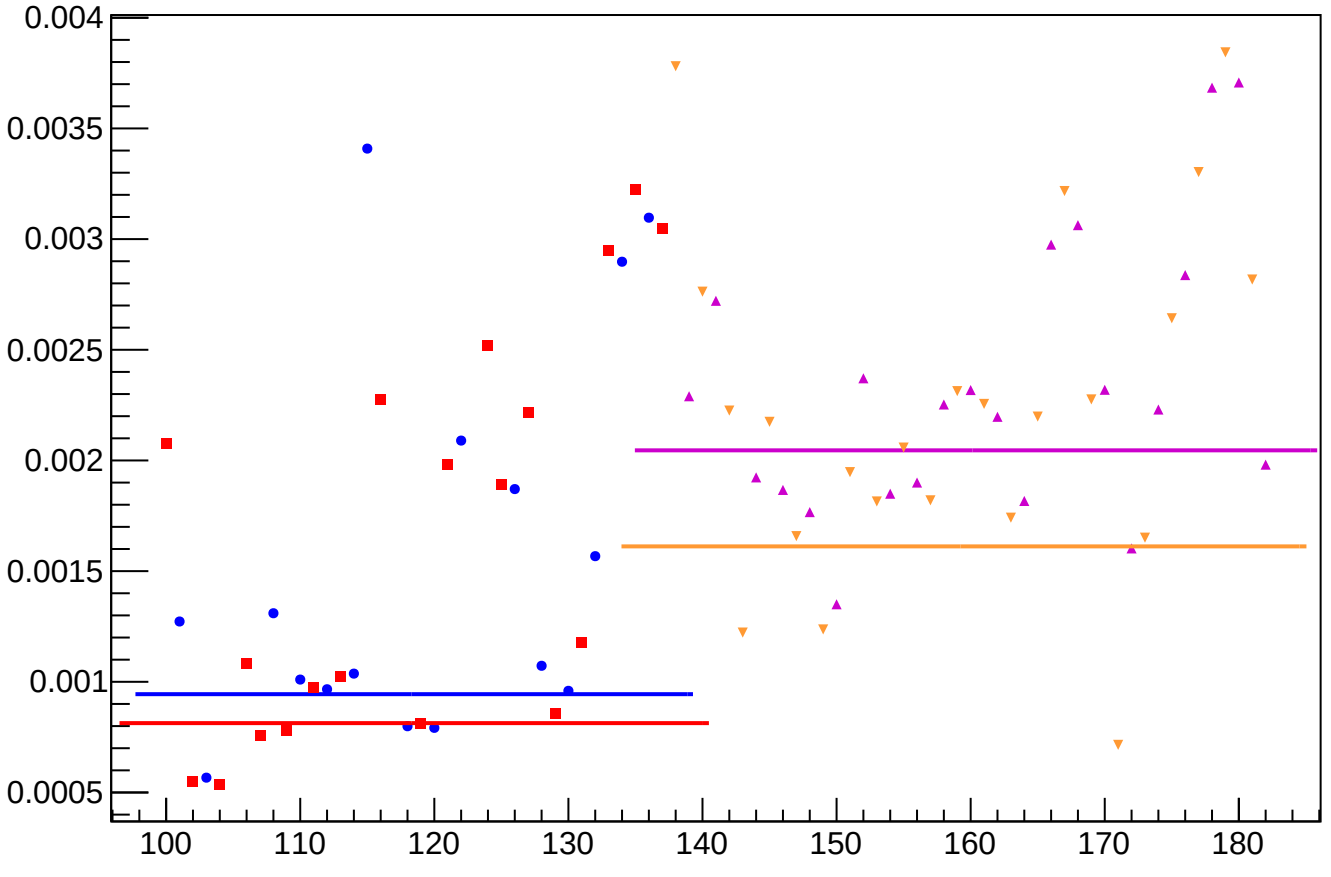
Left: 0.000+/-0.000 χ^2/NDF: 69.5/44

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:41.5/37

Out: 0.000+/-0.000 χ^2/NDF:63.7/41

All: 0.000+/-0.000 χ^2/NDF: 105.3/79



Right In: 0.001+/-0.000 χ^2/NDF: 2665853.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:6257514.4/22

Right Out: 0.001+/-0.000 χ^2/NDF: 3244147.3/18

Left In: 0.002+/-0.000 χ^2/NDF:2011970.7/21

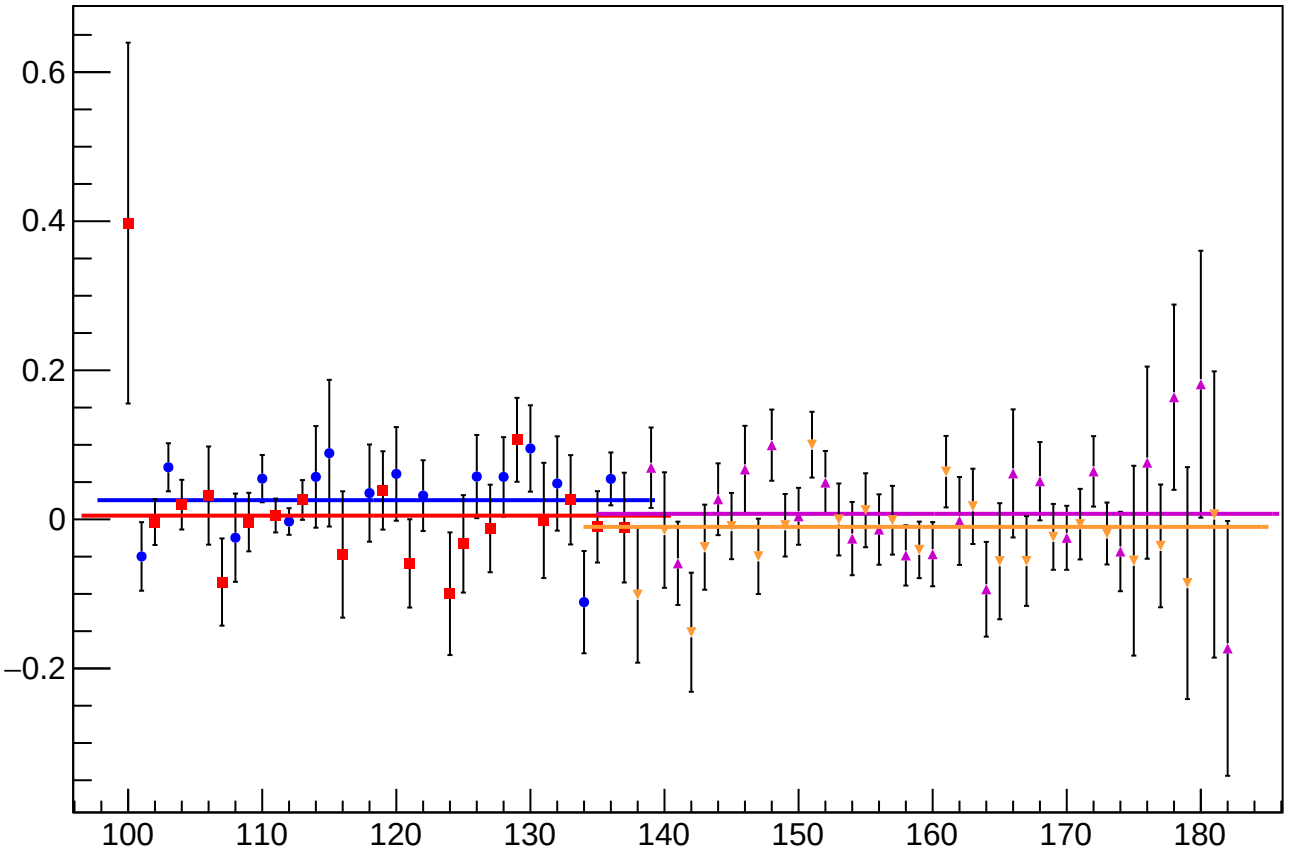
Left: 0.002+/-0.000 χ^2/NDF: 9151774.0/44

Right: 0.001+/-0.000 χ^2/NDF: 6033376.9/34

In: 0.001+/-0.000 χ^2/NDF:10546951.5/37

Out: 0.001+/-0.000 χ^2/NDF:13889637.7/41

All: 0.001+/-0.000 χ^2/NDF: 25120176.6/79



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/22

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.011 χ^2/NDF:23.3/21

Left: -0.001+/-0.008 χ^2/NDF: 40.8/44

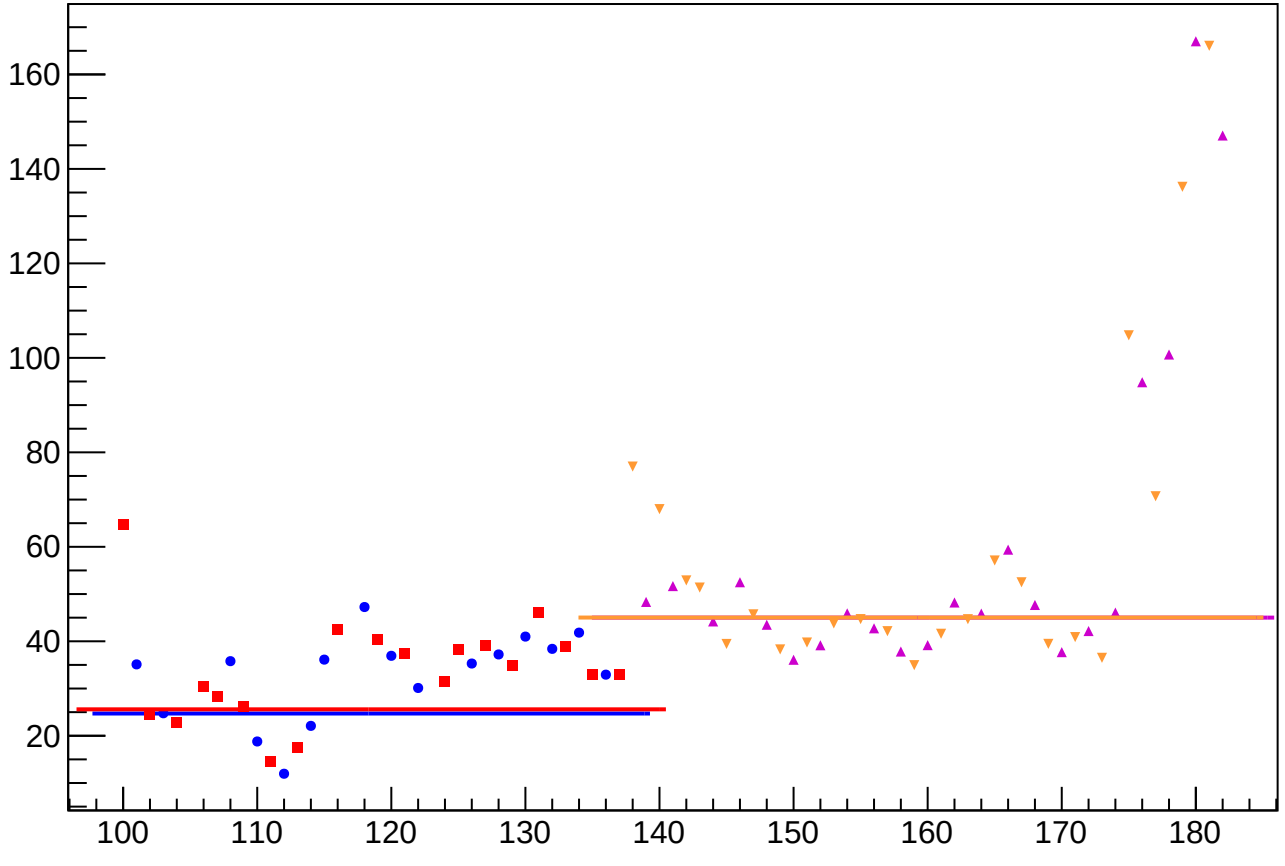
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:41.2/37

Out: -0.002+/-0.008 χ^2/NDF:31.0/41

All: 0.008+/-0.005 χ^2/NDF: 75.3/79

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.026+/-0.008 χ^2/NDF:3065464.4/22

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 45.011+/-0.008 χ^2/NDF:2799428.7/21

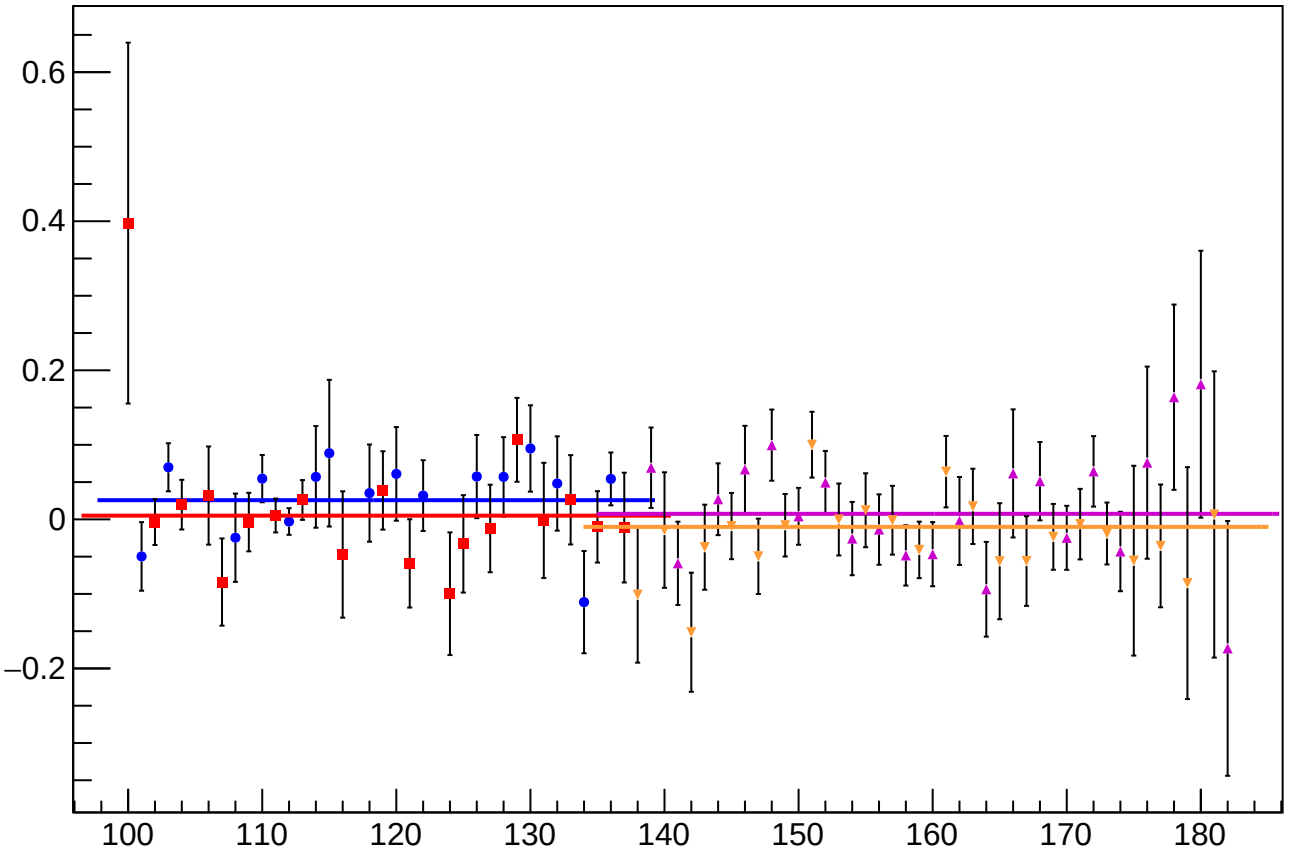
Left: 45.019+/-0.006 χ^2/NDF: 5864894.6/44

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 33.859+/-0.005 χ^2/NDF:8557190.2/37

Out: 34.449+/-0.005 χ^2/NDF:7883057.0/41

All: 34.156+/-0.004 χ^2/NDF: 16446178.8/79



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/22

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.011 χ^2/NDF:23.3/21

Left: -0.001+/-0.008 χ^2/NDF: 40.8/44

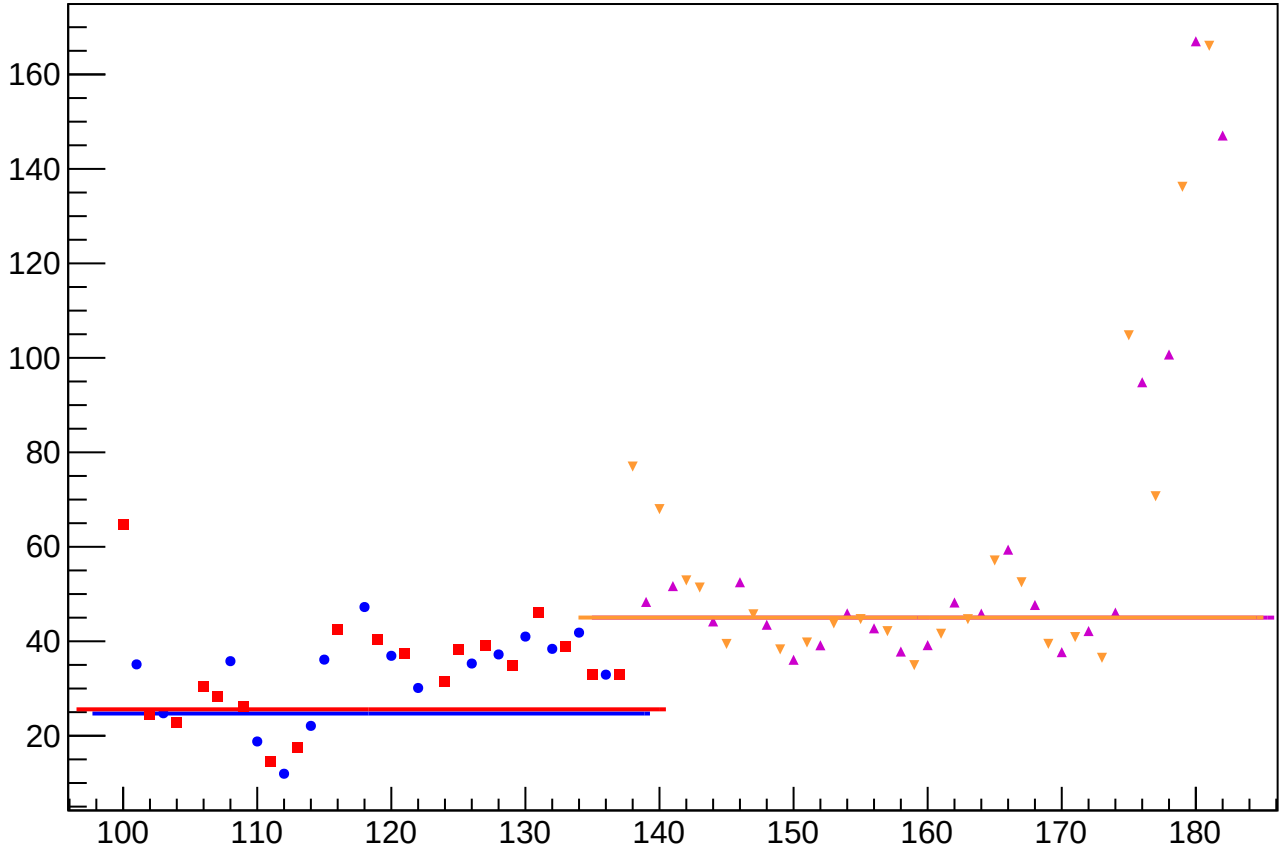
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:41.2/37

Out: -0.002+/-0.008 χ^2/NDF:31.0/41

All: 0.008+/-0.005 χ^2/NDF: 75.3/79

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.026+/-0.008 χ^2/NDF:3065464.4/22

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 45.011+/-0.008 χ^2/NDF:2799428.7/21

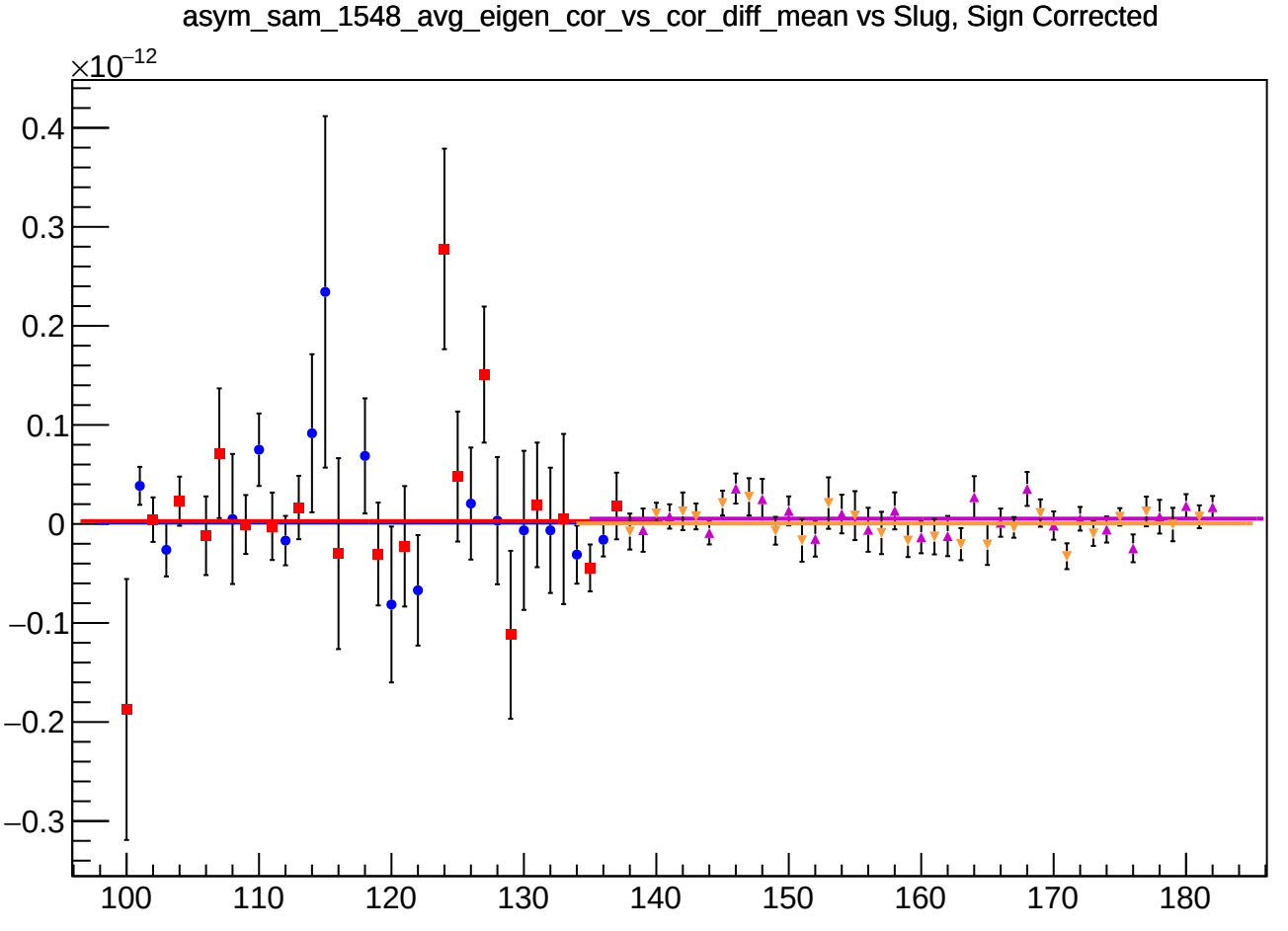
Left: 45.019+/-0.006 χ^2/NDF: 5864894.6/44

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 33.859+/-0.005 χ^2/NDF:8557190.2/37

Out: 34.449+/-0.005 χ^2/NDF:7883057.0/41

All: 34.156+/-0.004 χ^2/NDF: 16446178.8/79



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:22.9/21

Left: 0.000+/-0.000 χ^2/NDF: 46.2/44

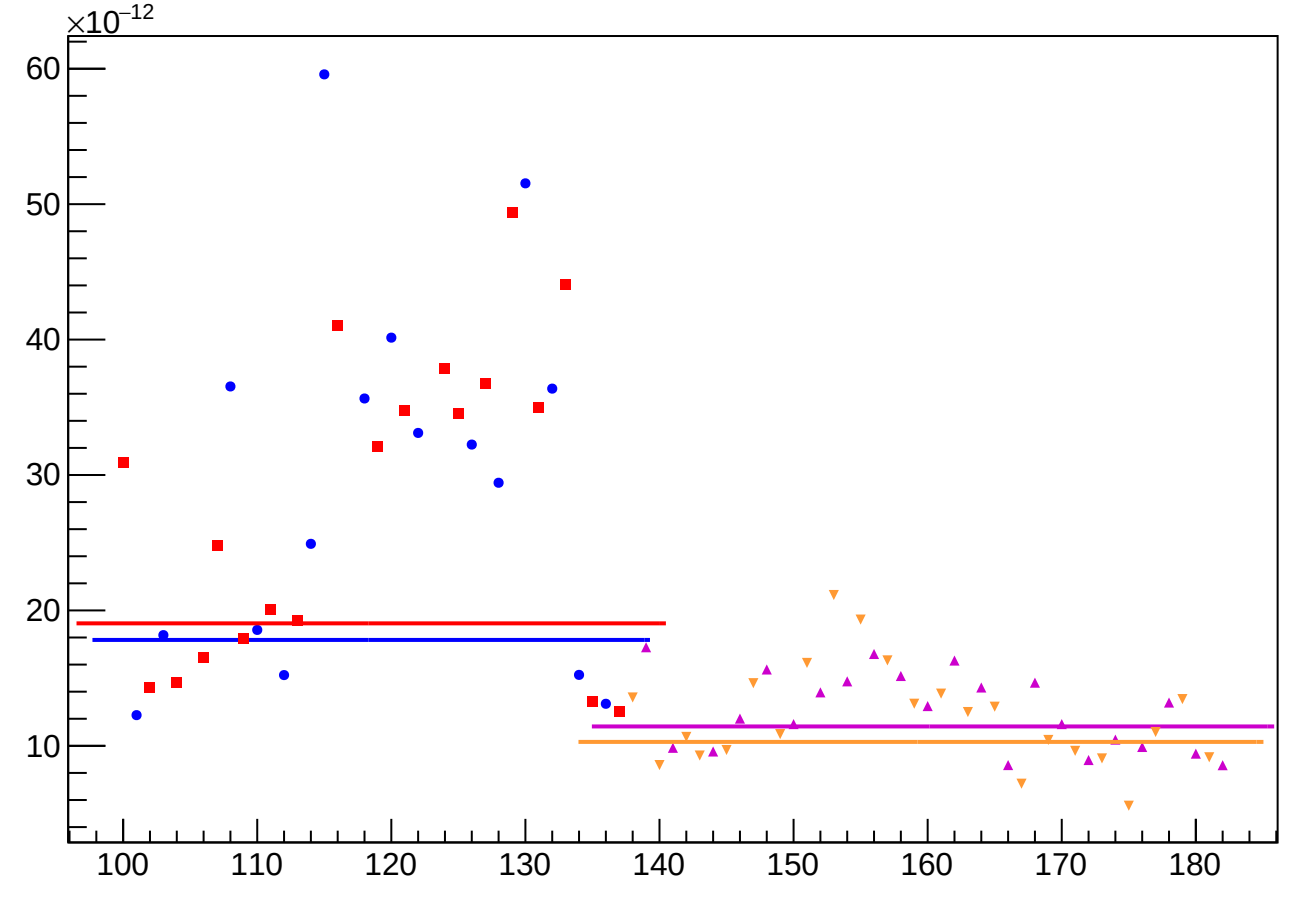
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:41.8/37

Out: 0.000+/-0.000 χ^2/NDF:45.7/41

All: 0.000+/-0.000 χ^2/NDF: 88.5/79

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2236179.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1256760.2/21

Left: 0.000+/-0.000 χ^2/NDF: 3626517.6/44

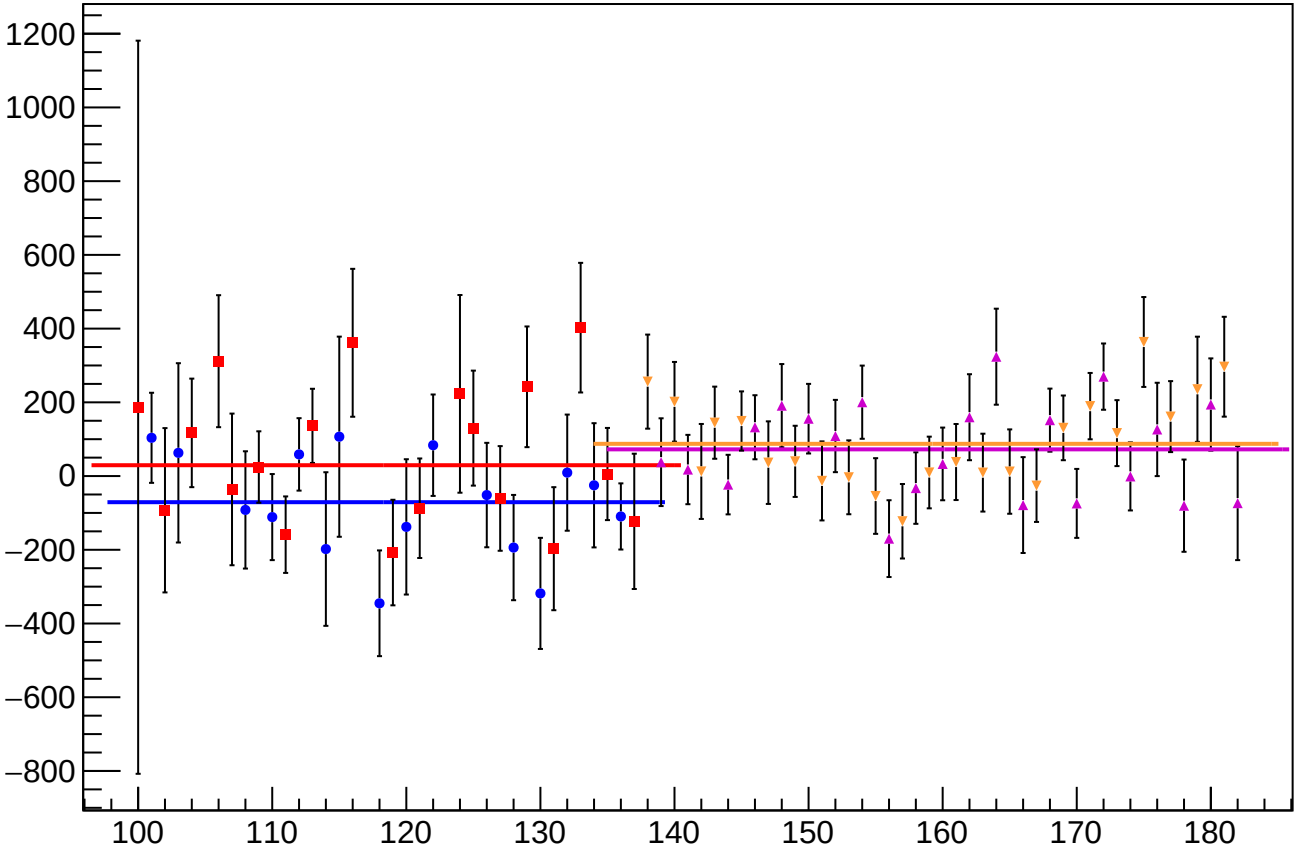
Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:4079542.4/37

Out: 0.000+/-0.000 χ^2/NDF:5512726.4/41

All: 0.000+/-0.000 χ^2/NDF: 9721253.0/79

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 87.440+/-21.522 χ^2/NDF:26.5/22

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 72.419+/-21.915 χ^2/NDF:30.6/21

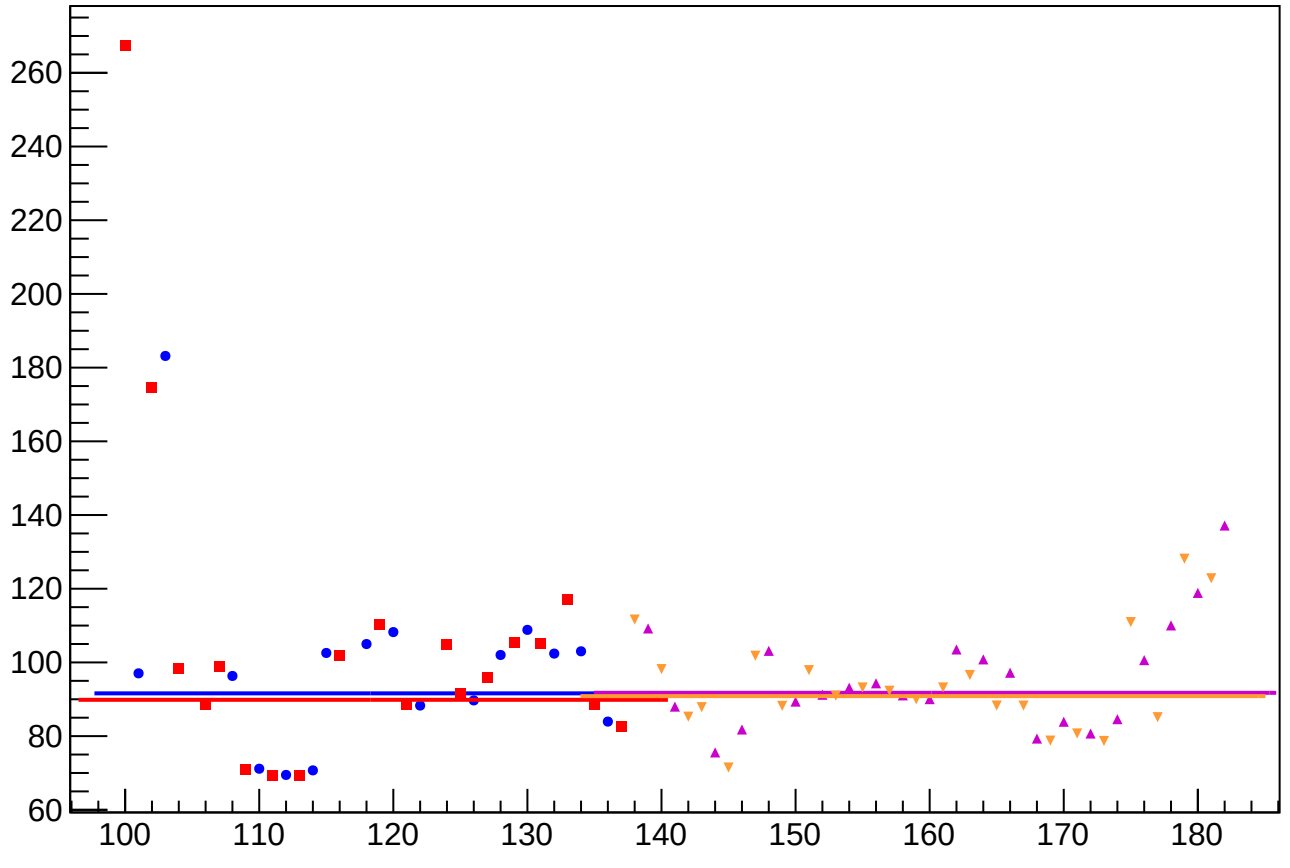
Left: 80.066+/-15.355 χ^2/NDF: 57.4/44

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 32.259+/-18.593 χ^2/NDF:56.7/37

Out: 71.008+/-18.222 χ^2/NDF:52.6/41

All: 52.024+/-13.014 χ^2/NDF: 111.5/79



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.851+/-0.015 χ^2/NDF:634066.9/22

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 91.749+/-0.015 χ^2/NDF:627433.9/21

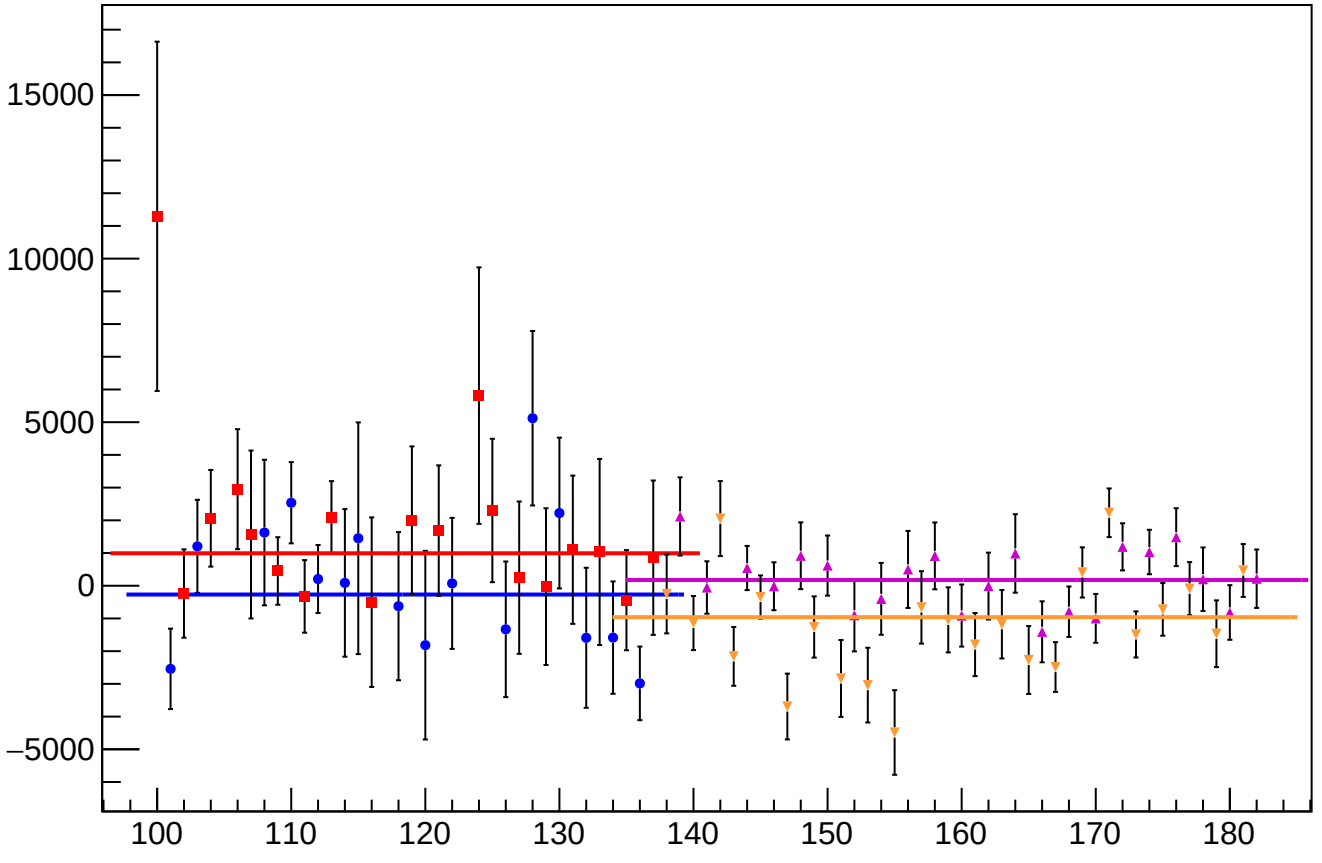
Left: 91.292+/-0.011 χ^2/NDF: 1263210.6/44

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 91.710+/-0.013 χ^2/NDF:1208129.9/37

Out: 90.569+/-0.013 χ^2/NDF:1381570.5/41

All: 91.128+/-0.009 χ^2/NDF: 2593540.6/79



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -960.905+/-188.276 χ^2/NDF:64.0/22

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 176.163+/-188.005 χ^2/NDF:21.6/21

Left: -391.553+/-133.035 χ^2/NDF: 103.8/44

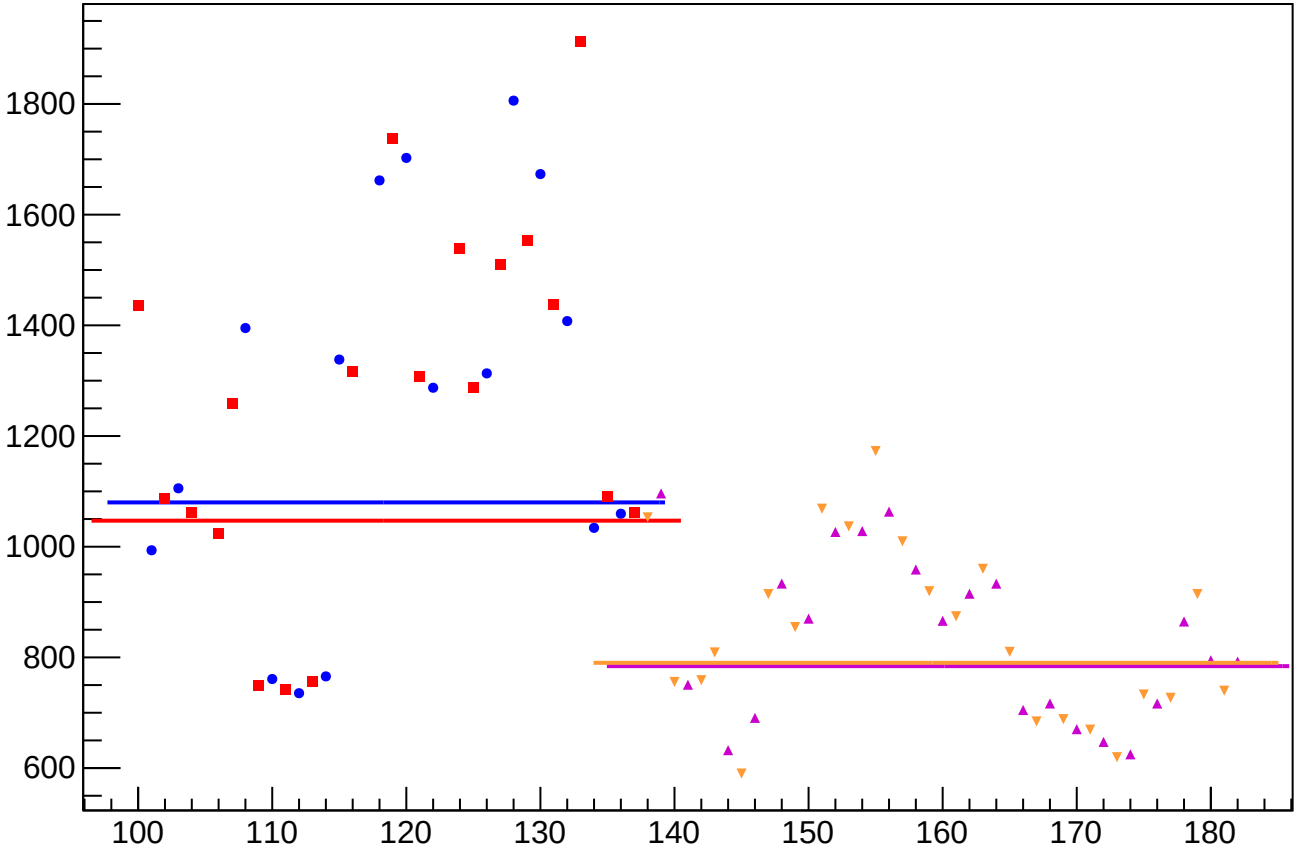
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 101.815+/-171.569 χ^2/NDF:46.0/37

Out: -607.784+/-170.412 χ^2/NDF:96.1/41

All: -255.384+/-120.906 χ^2/NDF: 150.7/79

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: 790.218+/-0.133 χ^2/NDF:1189999.8/22

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 784.206+/-0.133 χ^2/NDF:1062279.1/21

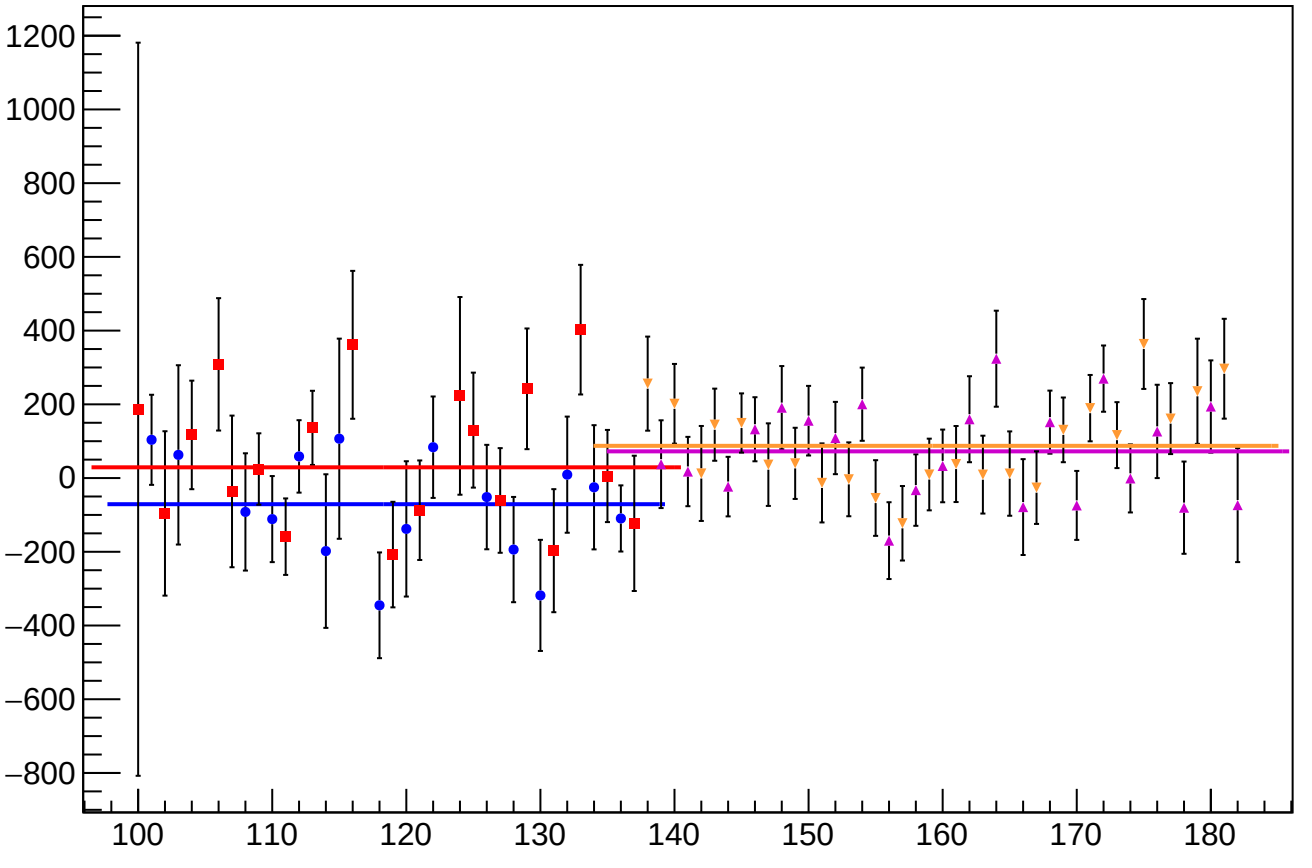
Left: 787.207+/-0.094 χ^2/NDF: 2253300.0/44

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 833.672+/-0.121 χ^2/NDF:2943793.9/37

Out: 836.645+/-0.120 χ^2/NDF:3061458.7/41

All: 835.168+/-0.085 χ^2/NDF: 6005555.0/79



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 87.445+/-21.522 χ^2/NDF:26.5/22

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 72.421+/-21.915 χ^2/NDF:30.6/21

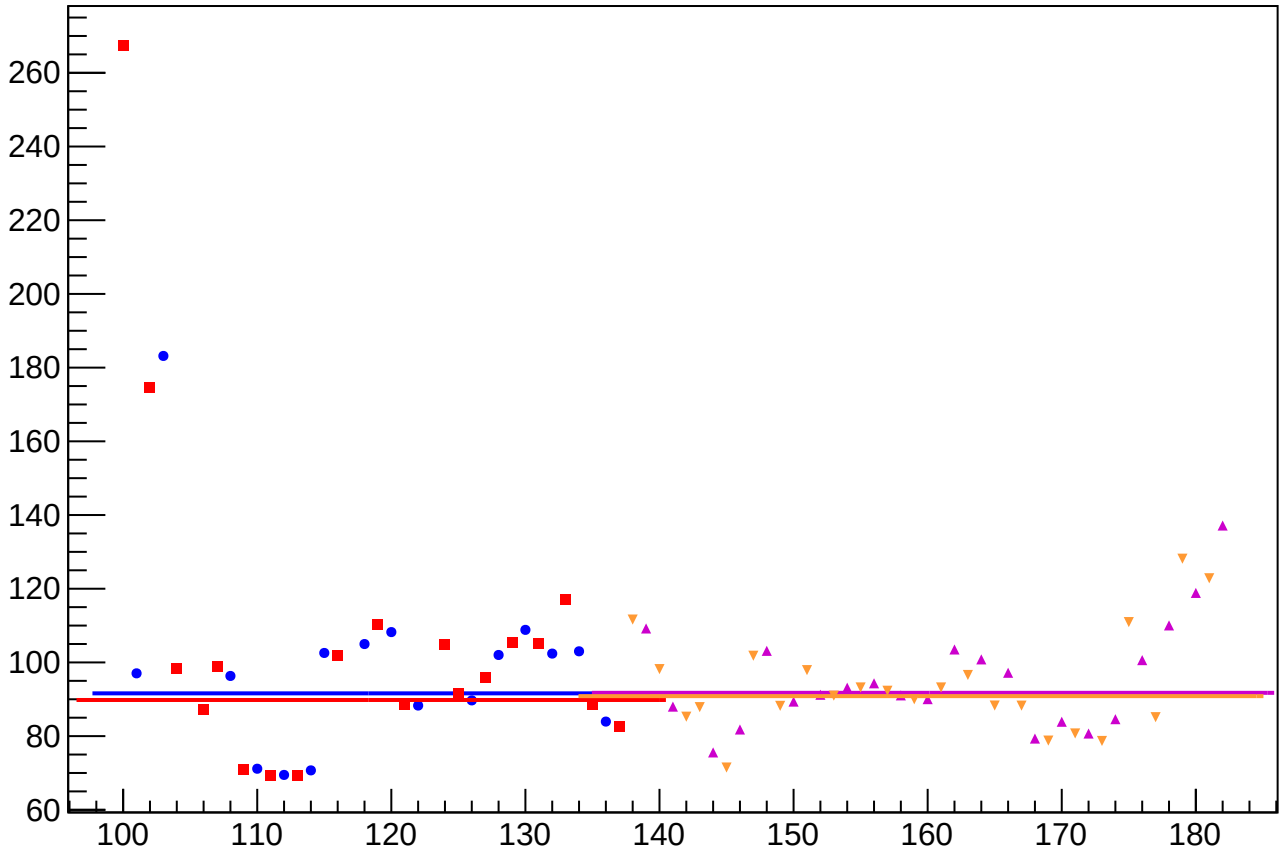
Left: 80.069+/-15.355 χ^2/NDF: 57.4/44

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 32.257+/-18.593 χ^2/NDF:56.7/37

Out: 70.944+/-18.222 χ^2/NDF:52.6/41

All: 51.990+/-13.014 χ^2/NDF: 111.4/79



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.851+/-0.015 χ^2/NDF:634066.9/22

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.749+/-0.015 χ^2/NDF:627433.9/21

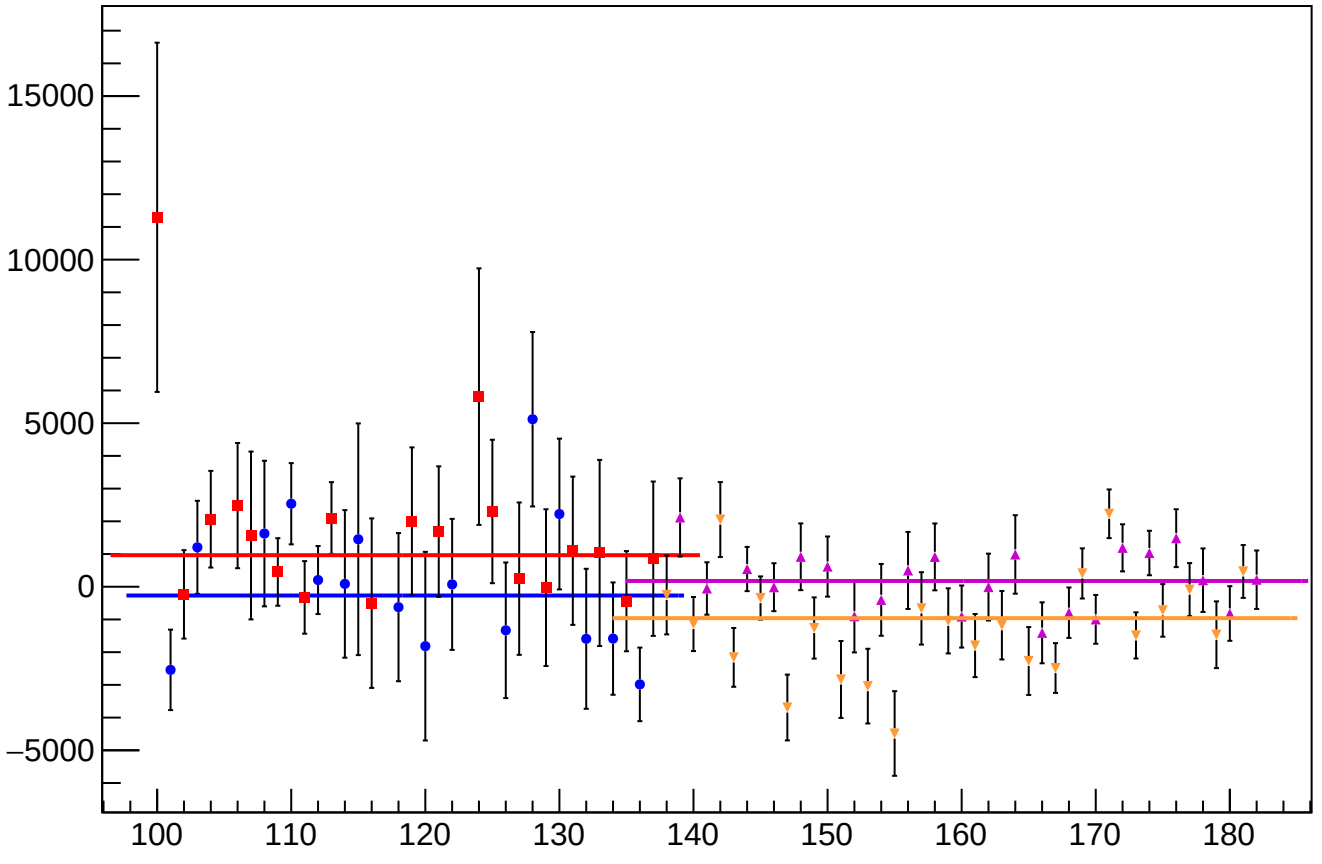
Left: 91.292+/-0.011 χ^2/NDF: 1263210.6/44

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.710+/-0.013 χ^2/NDF:1208133.1/37

Out: 90.556+/-0.013 χ^2/NDF:1382233.0/41

All: 91.121+/-0.009 χ^2/NDF: 2594296.8/79



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -960.900+/-188.276 χ^2/NDF:64.0/22

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 176.166+/-188.005 χ^2/NDF:21.6/21

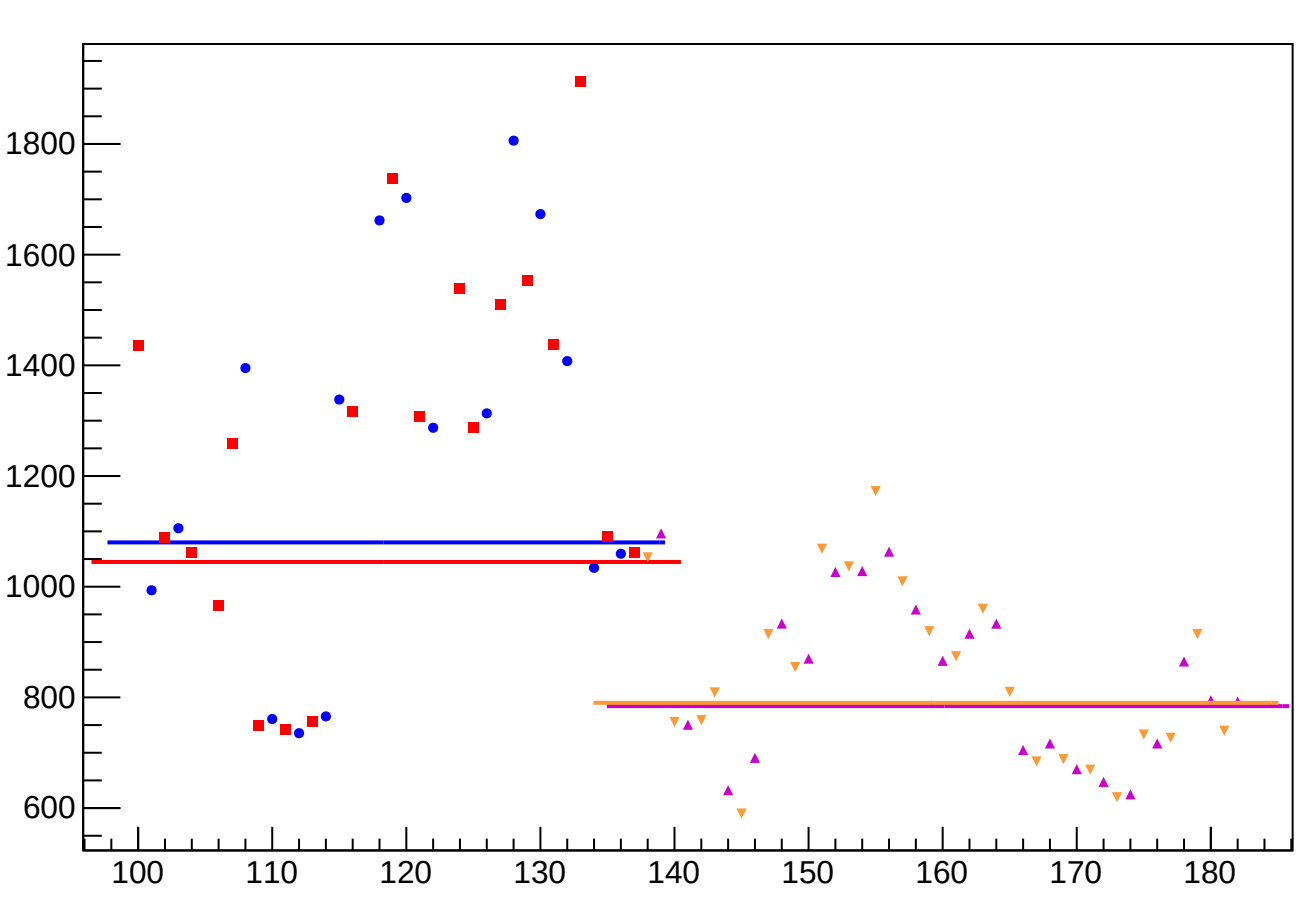
Left: -391.549+/-133.035 χ^2/NDF: 103.8/44

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 101.816+/-171.569 χ^2/NDF:46.0/37

Out: -613.932+/-170.474 χ^2/NDF:94.9/41

All: -258.349+/-120.929 χ^2/NDF: 149.7/79



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 790.217+/-0.133 χ^2/NDF:1190001.3/22

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 784.206+/-0.133 χ^2/NDF:1062279.0/21

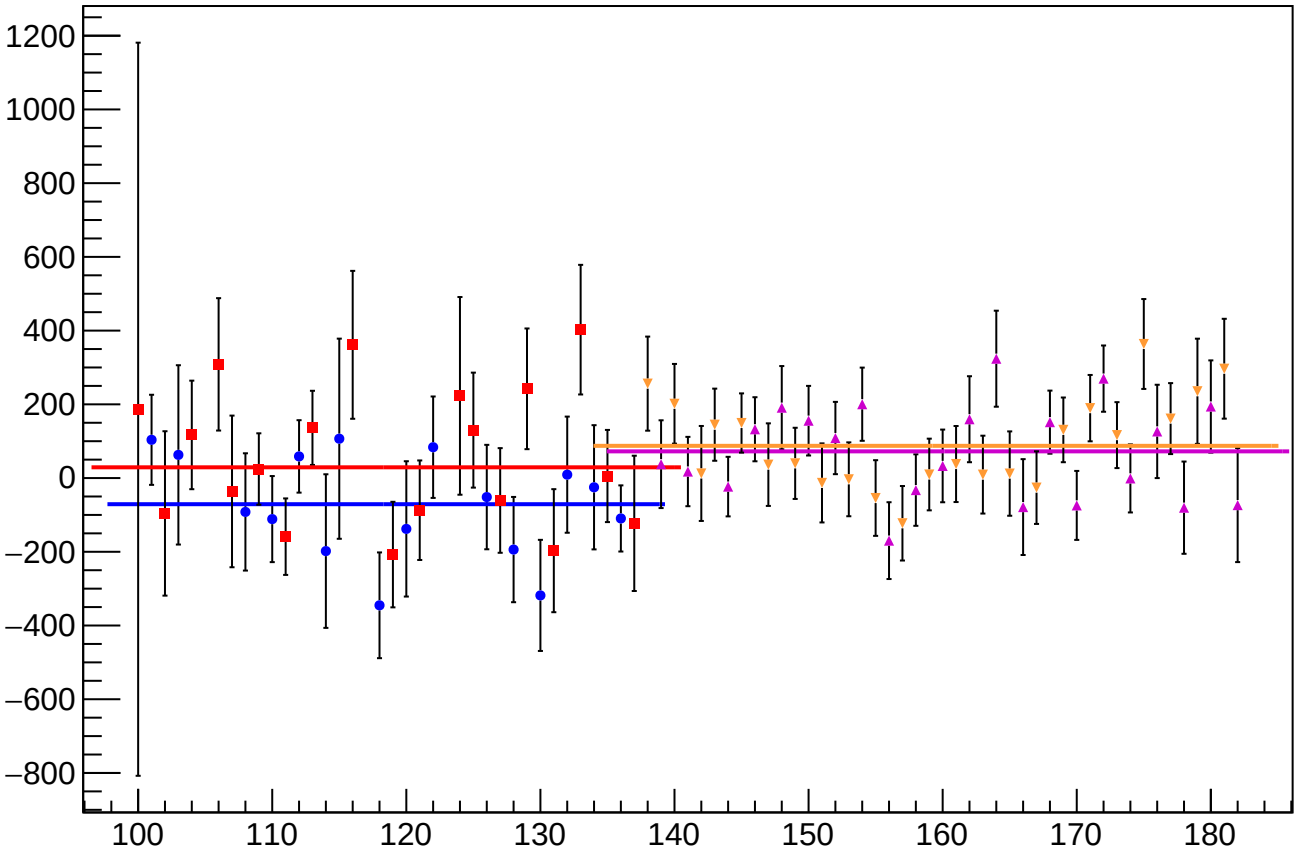
Left: 787.207+/-0.094 χ^2/NDF: 2253301.2/44

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 833.673+/-0.121 χ^2/NDF:2943836.0/37

Out: 836.068+/-0.121 χ^2/NDF:3050202.3/41

All: 834.878+/-0.086 χ^2/NDF: 5994234.5/79



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 87.445+/-21.522 χ^2/NDF:26.5/22

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 72.421+/-21.915 χ^2/NDF:30.6/21

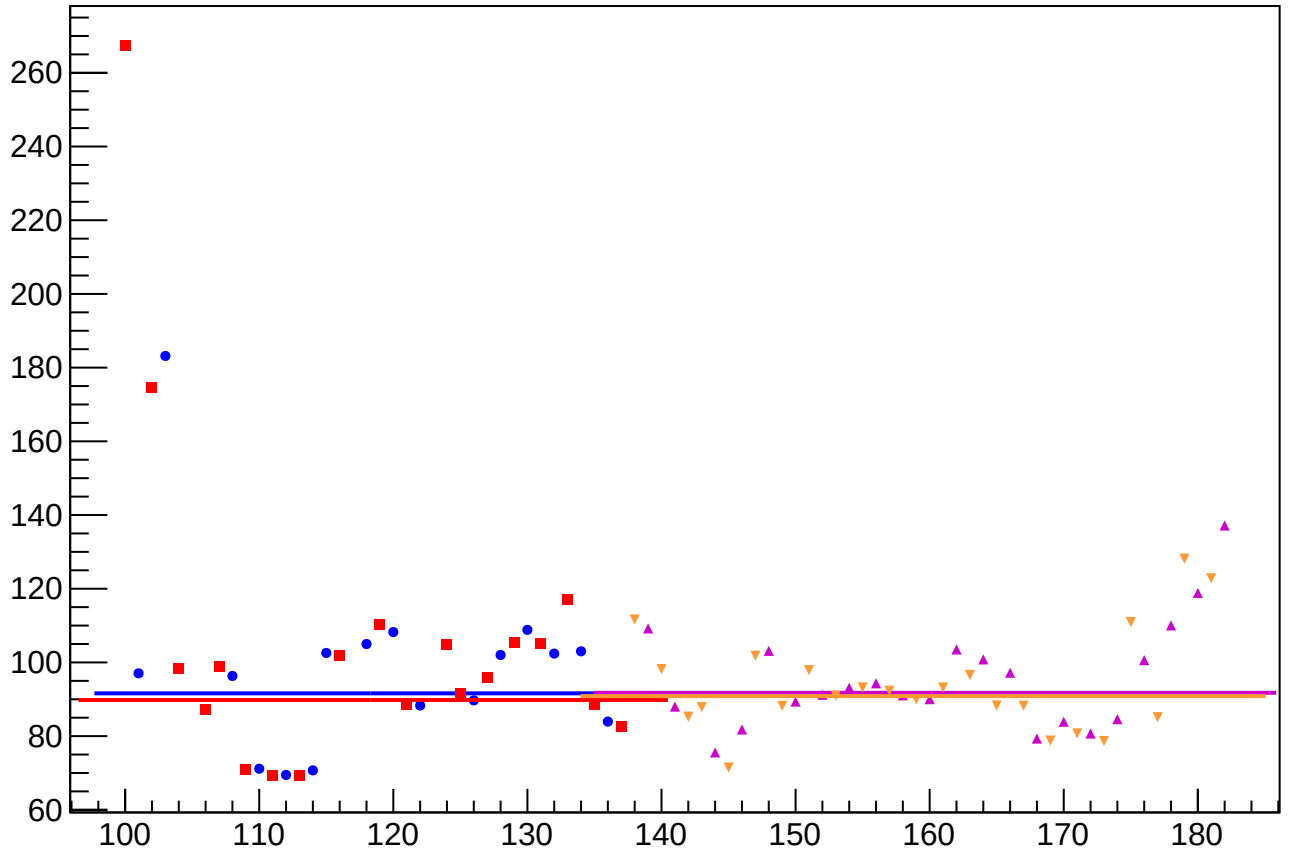
Left: 80.069+/-15.355 χ^2/NDF: 57.4/44

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 32.257+/-18.593 χ^2/NDF:56.7/37

Out: 70.944+/-18.222 χ^2/NDF:52.6/41

All: 51.990+/-13.014 χ^2/NDF: 111.4/79



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.851+/-0.015 χ^2/NDF:634066.9/22

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.749+/-0.015 χ^2/NDF:627433.9/21

Left: 91.292+/-0.011 χ^2/NDF: 1263210.6/44

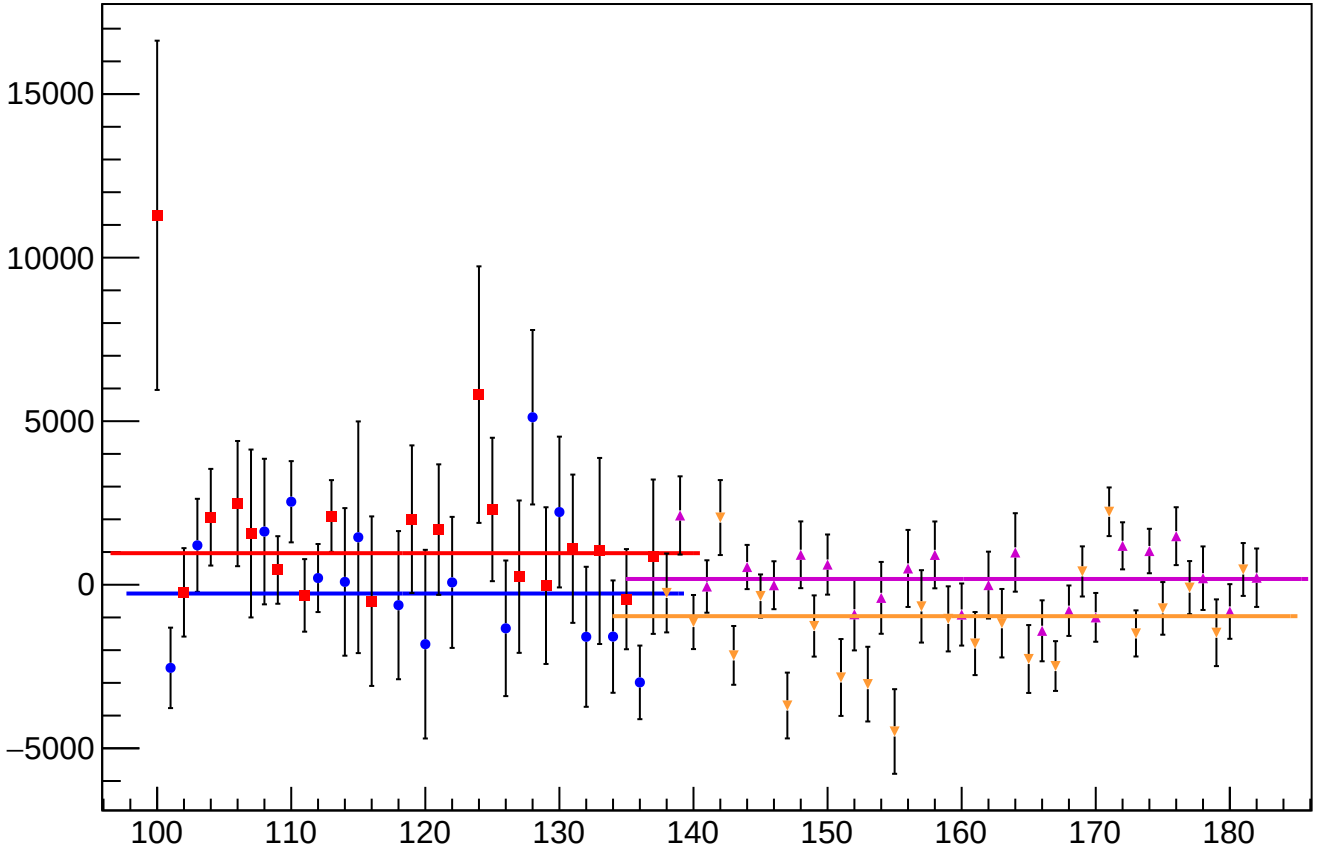
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.710+/-0.013 χ^2/NDF:1208133.1/37

Out: 90.556+/-0.013 χ^2/NDF:1382233.0/41

All: 91.121+/-0.009 χ^2/NDF: 2594296.8/79

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: -960.900+/-188.276 χ^2/NDF:64.0/22

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 176.166+/-188.005 χ^2/NDF:21.6/21

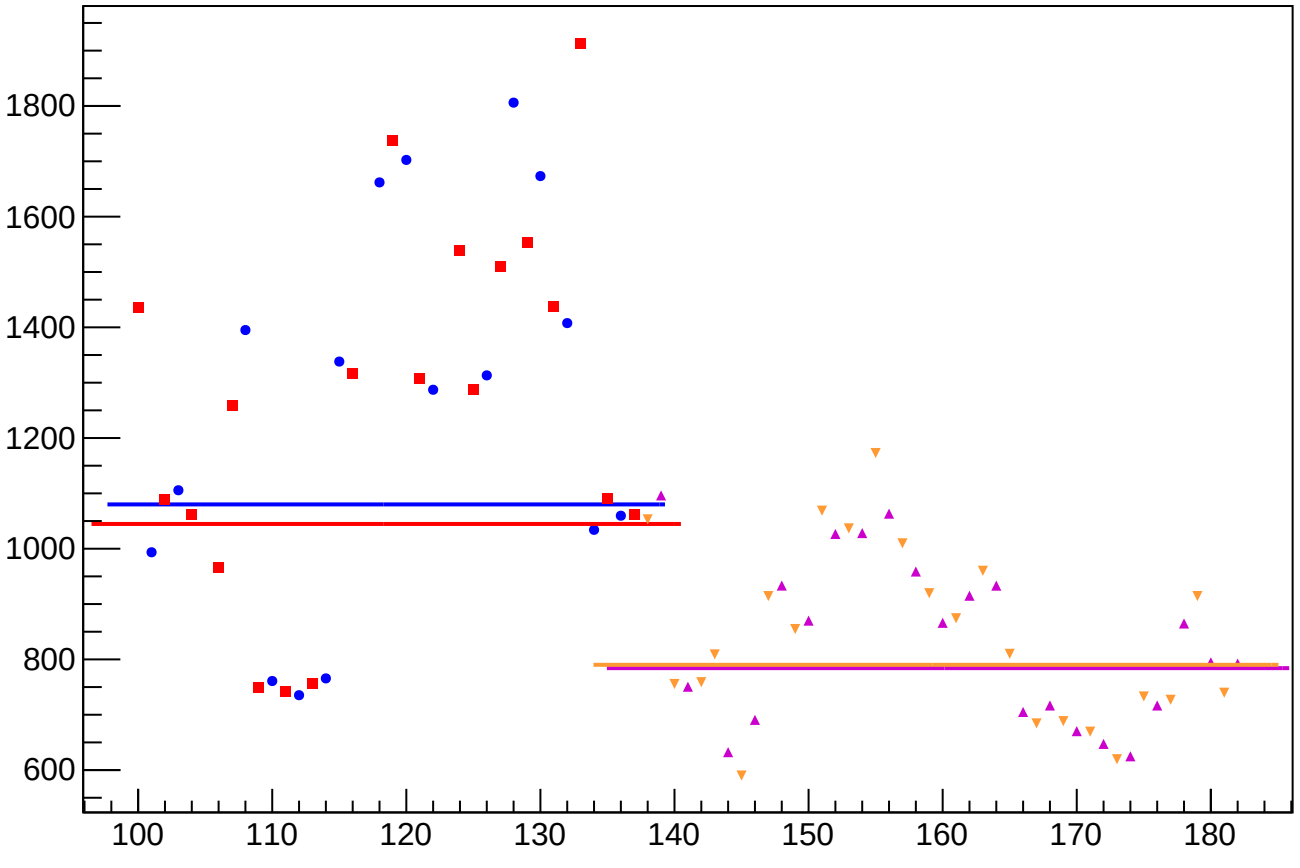
Left: -391.549+/-133.035 χ^2/NDF: 103.8/44

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 101.816+/-171.569 χ^2/NDF:46.0/37

Out: -613.932+/-170.474 χ^2/NDF:94.9/41

All: -258.349+/-120.929 χ^2/NDF: 149.7/79



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 790.217+/-0.133 χ^2/NDF:1190001.3/22

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 784.206+/-0.133 χ^2/NDF:1062279.0/21

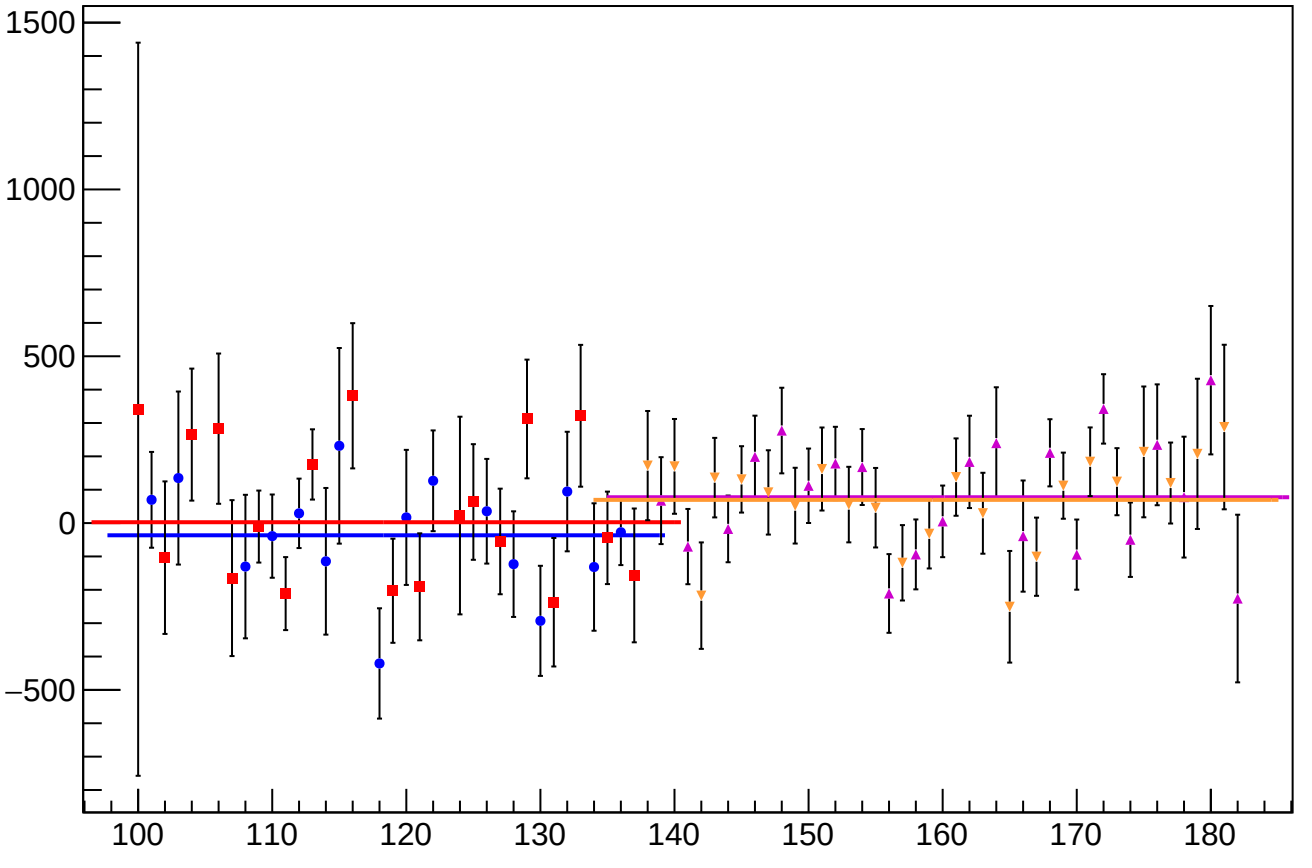
Left: 787.207+/-0.094 χ^2/NDF: 2253301.2/44

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 833.673+/-0.121 χ^2/NDF:2943836.0/37

Out: 836.068+/-0.121 χ^2/NDF:3050202.3/41

All: 834.878+/-0.086 χ^2/NDF: 5994234.5/79



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 69.589+/-25.839 χ^2/NDF:19.0/22

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 77.435+/-26.377 χ^2/NDF:35.6/21

Left: 73.431+/-18.458 χ^2/NDF: 54.7/44

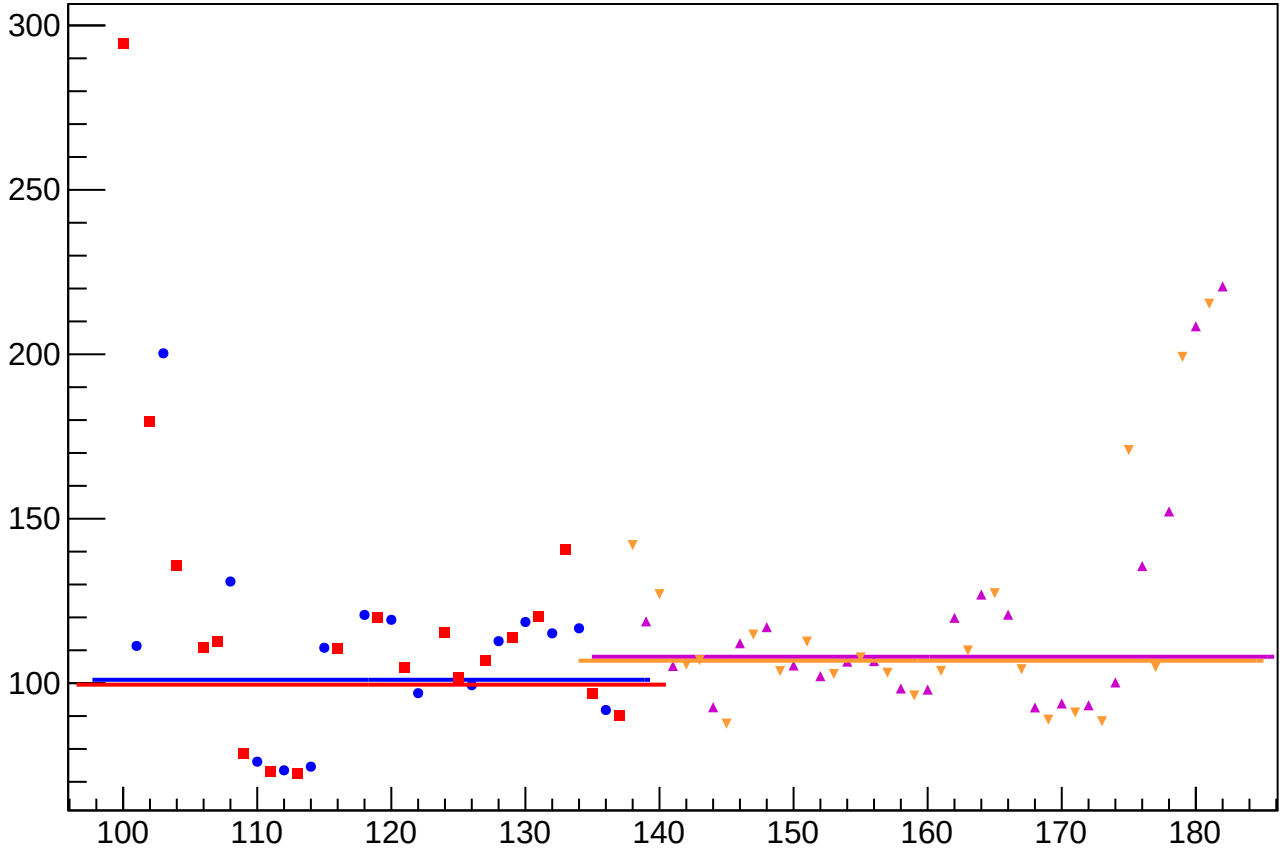
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 41.635+/-21.847 χ^2/NDF:54.4/37

Out: 48.524+/-21.396 χ^2/NDF:45.9/41

All: 45.151+/-15.287 χ^2/NDF: 100.3/79

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 106.823+/-0.018 χ^2/NDF:1397812.6/22

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 108.032+/-0.019 χ^2/NDF:1276902.5/21

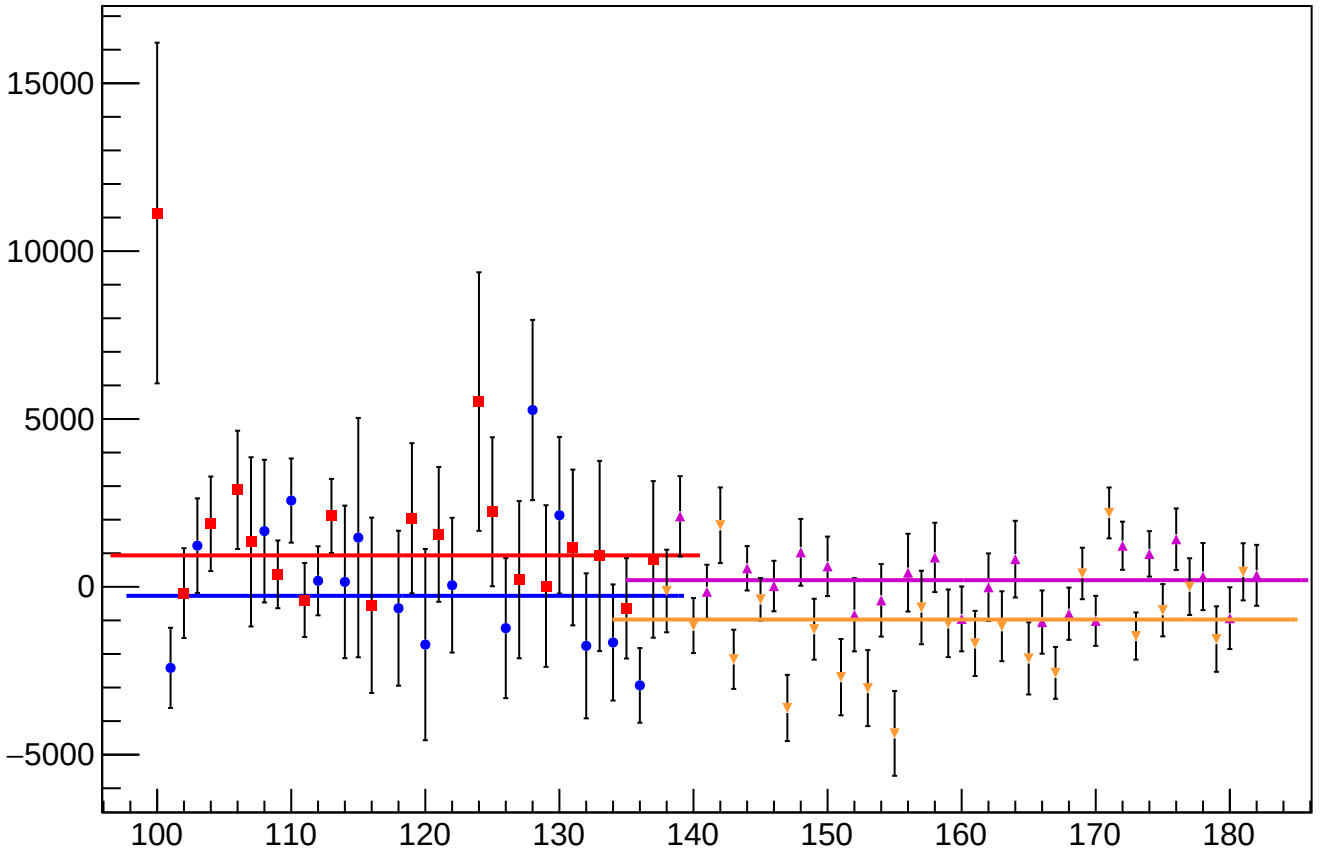
Left: 107.415+/-0.013 χ^2/NDF: 2676858.1/44

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 105.834+/-0.015 χ^2/NDF:2037234.3/37

Out: 104.536+/-0.015 χ^2/NDF:2328160.3/41

All: 105.172+/-0.011 χ^2/NDF: 4368996.2/79



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -974.062+/-187.537 χ^2/NDF:61.4/22

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 197.751+/-188.714 χ^2/NDF:20.2/21

Left: -391.821+/-133.023 χ^2/NDF: 100.9/44

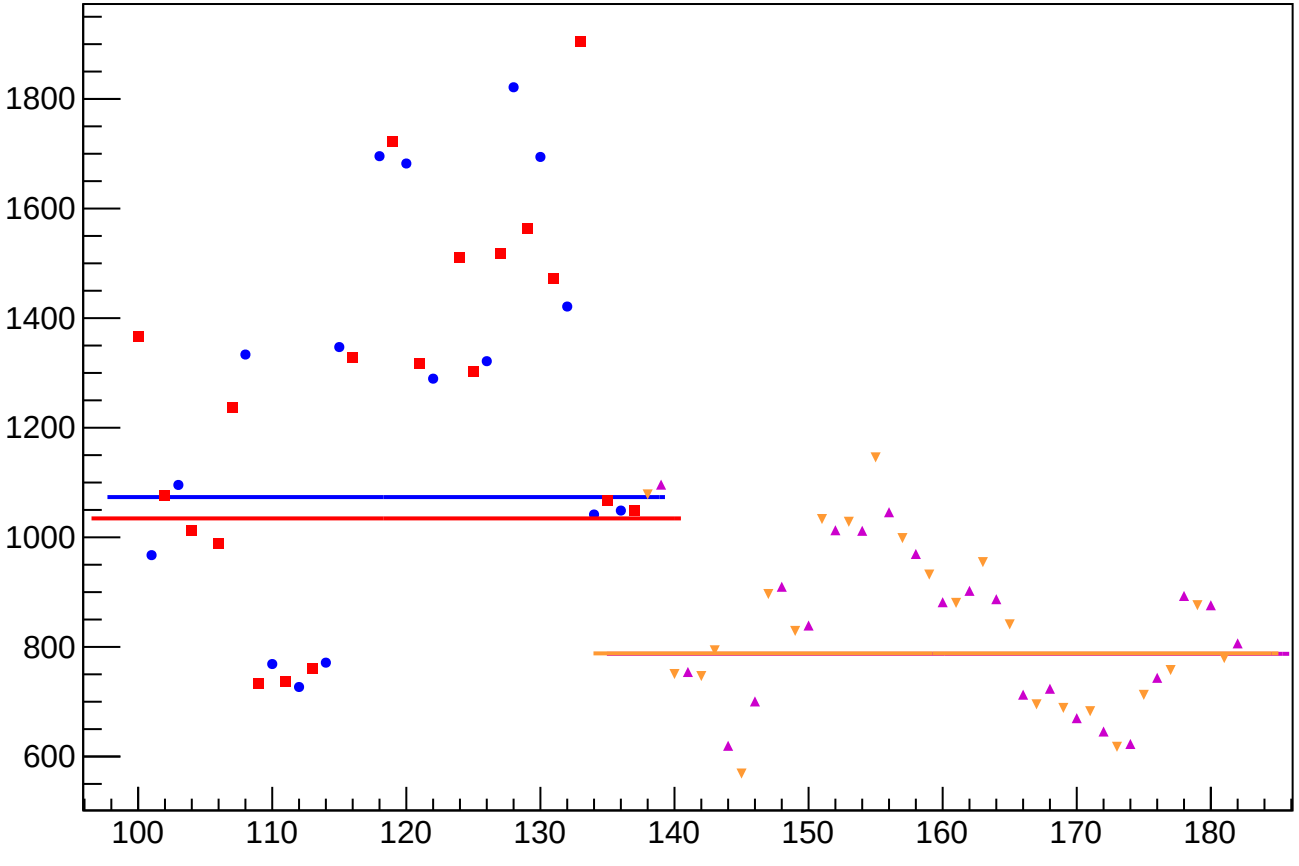
Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 118.617+/-171.932 χ^2/NDF:44.7/37

Out: -624.360+/-169.509 χ^2/NDF:93.5/41

All: -258.143+/-120.709 χ^2/NDF: 147.6/79

asym_sam_3748_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 788.206+/-0.133 χ^2/NDF:1175109.0/22

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 787.419+/-0.133 χ^2/NDF:1041388.1/21

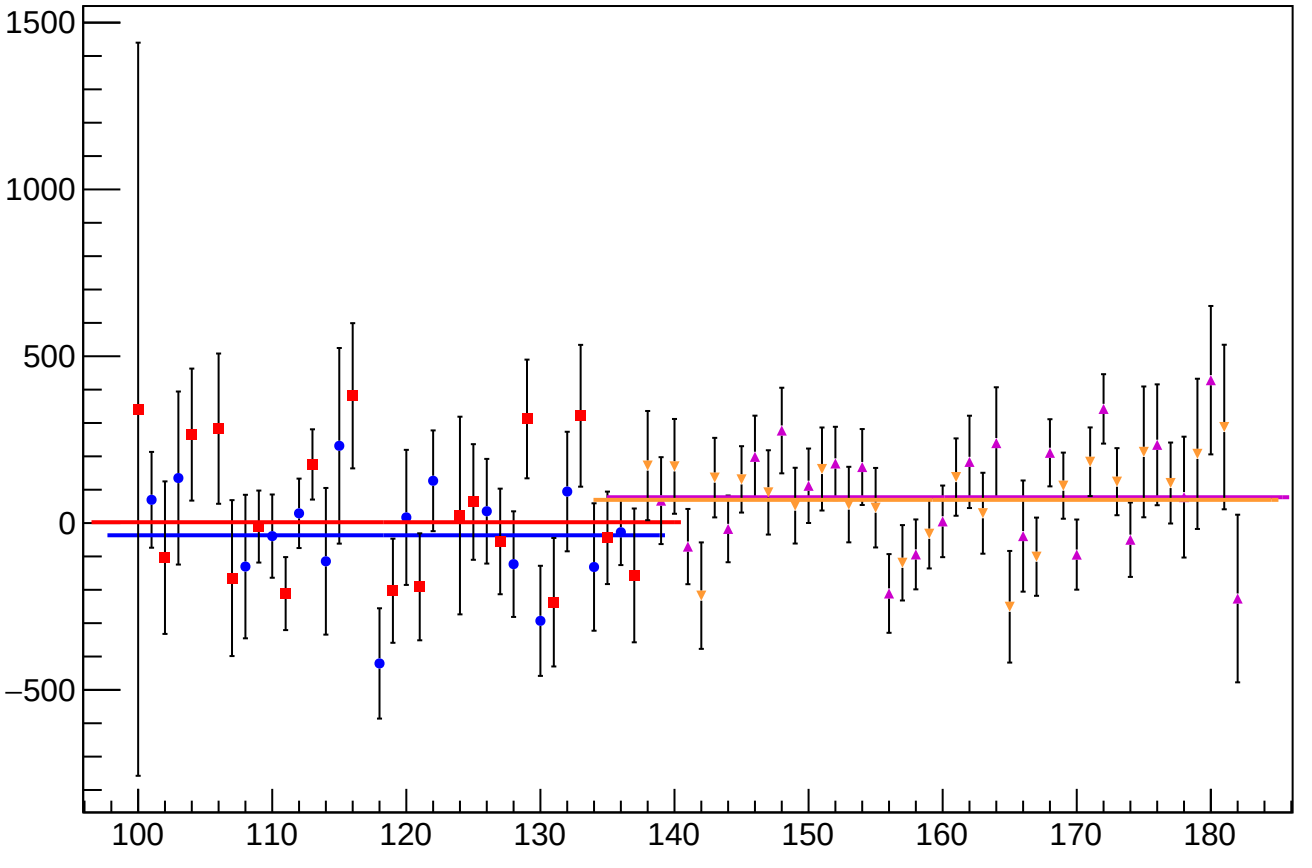
Left: 787.815+/-0.094 χ^2/NDF: 2216514.5/44

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 836.030+/-0.122 χ^2/NDF:2899314.6/37

Out: 833.287+/-0.120 χ^2/NDF:3035951.4/41

All: 834.639+/-0.085 χ^2/NDF: 5935524.1/79



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 69.590+/-25.839 χ^2/NDF:19.0/22

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 77.435+/-26.377 χ^2/NDF:35.6/21

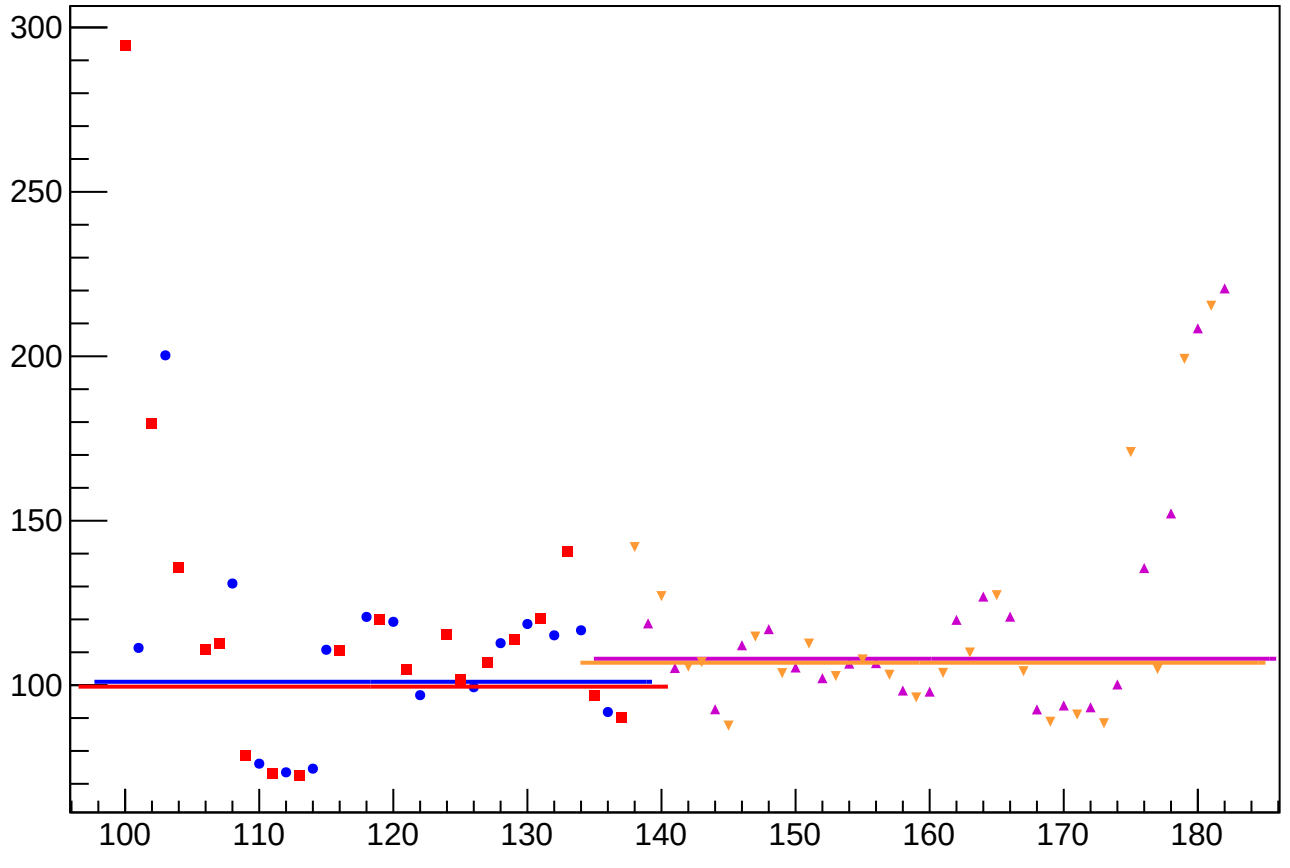
Left: 73.432+/-18.458 χ^2/NDF: 54.7/44

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 41.635+/-21.847 χ^2/NDF:54.4/37

Out: 48.524+/-21.397 χ^2/NDF:45.9/41

All: 45.151+/-15.287 χ^2/NDF: 100.3/79



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 106.824+/-0.018 χ^2/NDF:1397810.8/22

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 108.032+/-0.019 χ^2/NDF:1276883.2/21

Left: 107.416+/-0.013 χ^2/NDF: 2676837.1/44

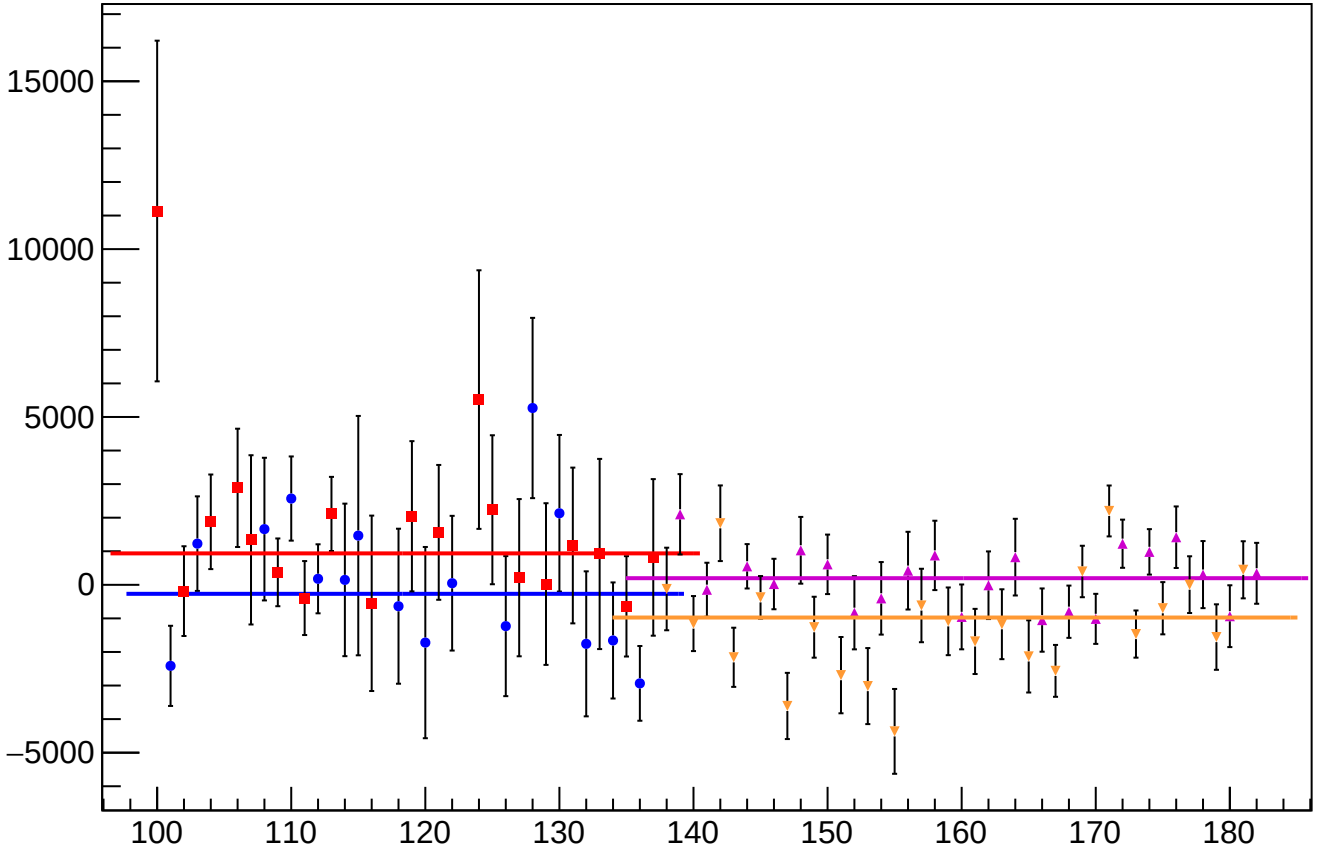
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 105.834+/-0.015 χ^2/NDF:2037215.7/37

Out: 104.537+/-0.015 χ^2/NDF:2328162.8/41

All: 105.172+/-0.011 χ^2/NDF: 4368980.2/79

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: -974.061+/-187.536 χ^2/NDF:61.4/22

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 197.750+/-188.713 χ^2/NDF:20.2/21

Left: -391.821+/-133.022 χ^2/NDF: 100.9/44

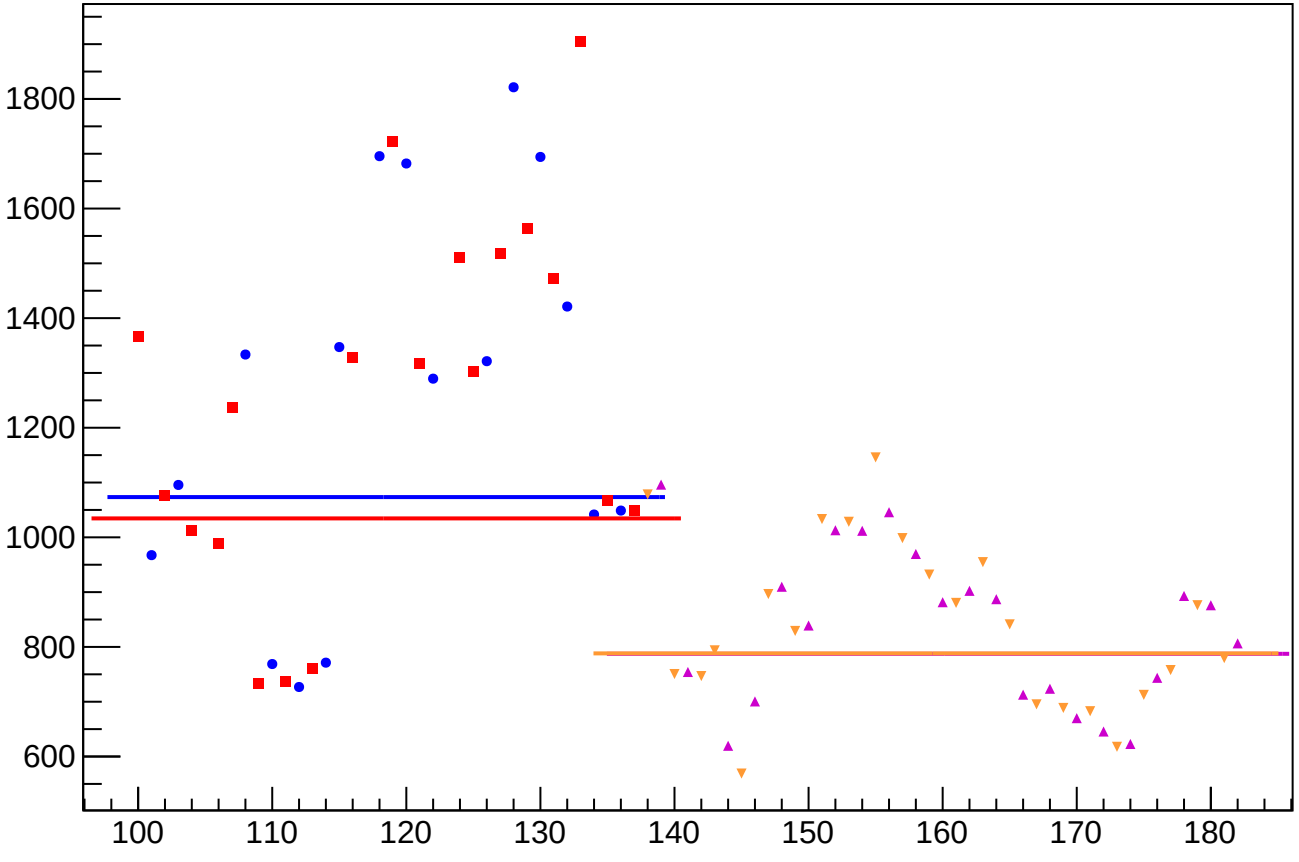
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 118.616+/-171.932 χ^2/NDF:44.7/37

Out: -624.360+/-169.509 χ^2/NDF:93.5/41

All: -258.143+/-120.708 χ^2/NDF: 147.6/79

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: 788.204+/-0.133 χ^2/NDF:1175111.6/22

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 787.418+/-0.133 χ^2/NDF:1041388.3/21

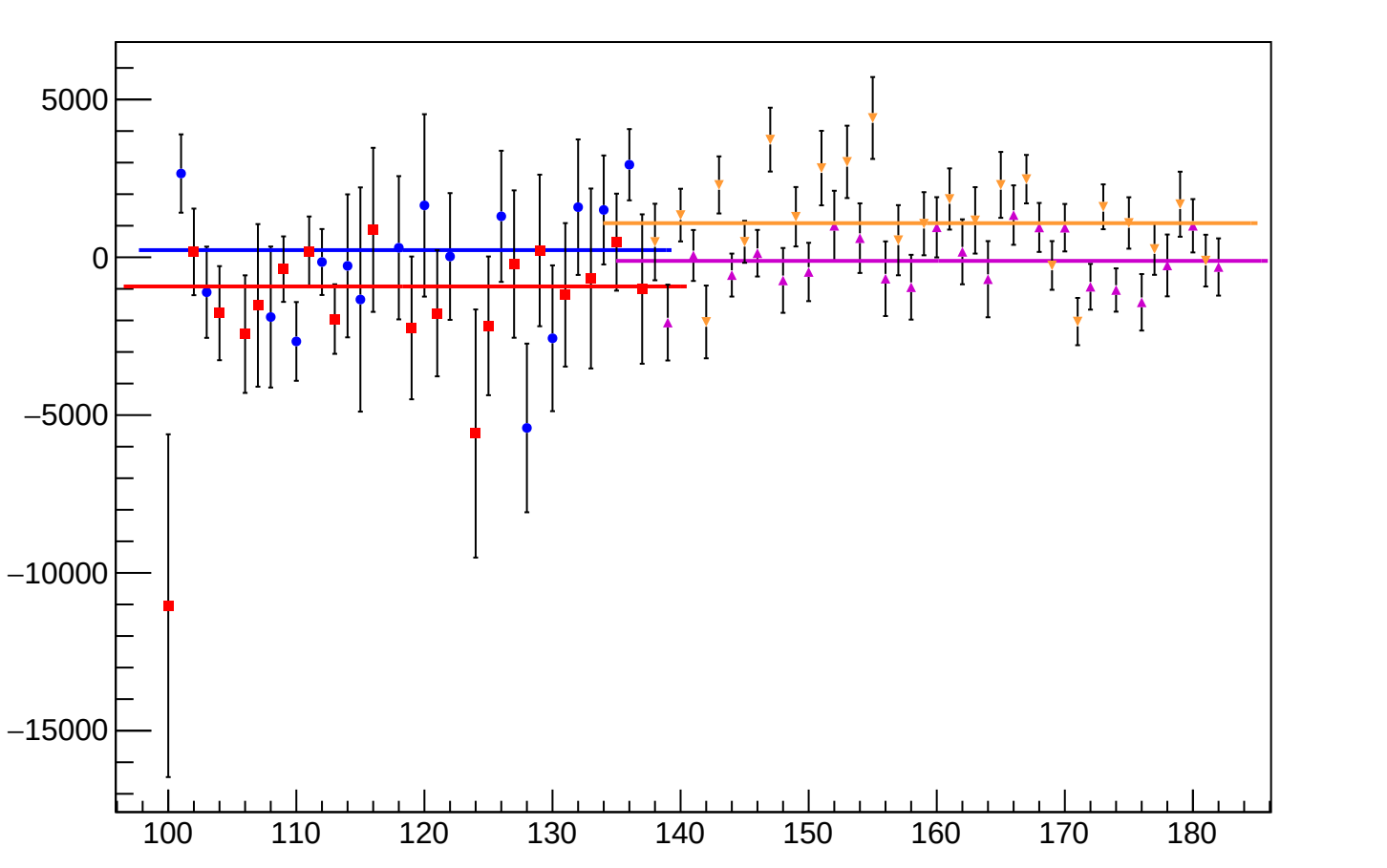
Left: 787.813+/-0.094 χ^2/NDF: 2216517.4/44

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 836.029+/-0.122 χ^2/NDF:2899320.0/37

Out: 833.286+/-0.120 χ^2/NDF:3035957.3/41

All: 834.638+/-0.085 χ^2/NDF: 5935535.5/79



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1081.444+/-189.680 χ^2/NDF:58.6/22

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -113.915+/-189.459 χ^2/NDF:20.8/21

Left: 483.069+/-134.046 χ^2/NDF: 99.4/44

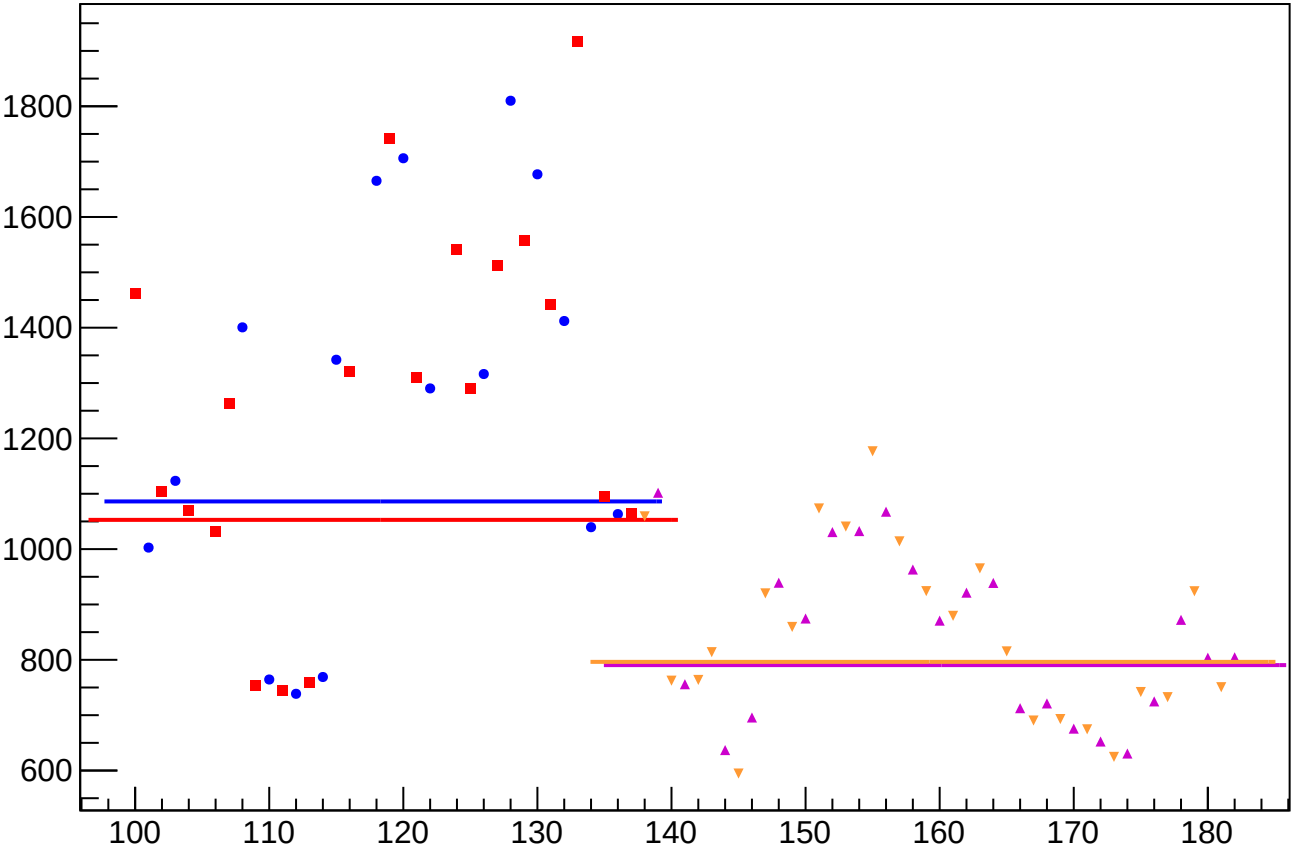
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -56.606+/-172.828 χ^2/NDF:45.8/37

Out: 717.963+/-171.628 χ^2/NDF:90.1/41

All: 333.377+/-121.781 χ^2/NDF: 146.0/79

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 796.310+/-0.134 χ^2/NDF:1173494.9/22

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 790.448+/-0.134 χ^2/NDF:1047242.8/21

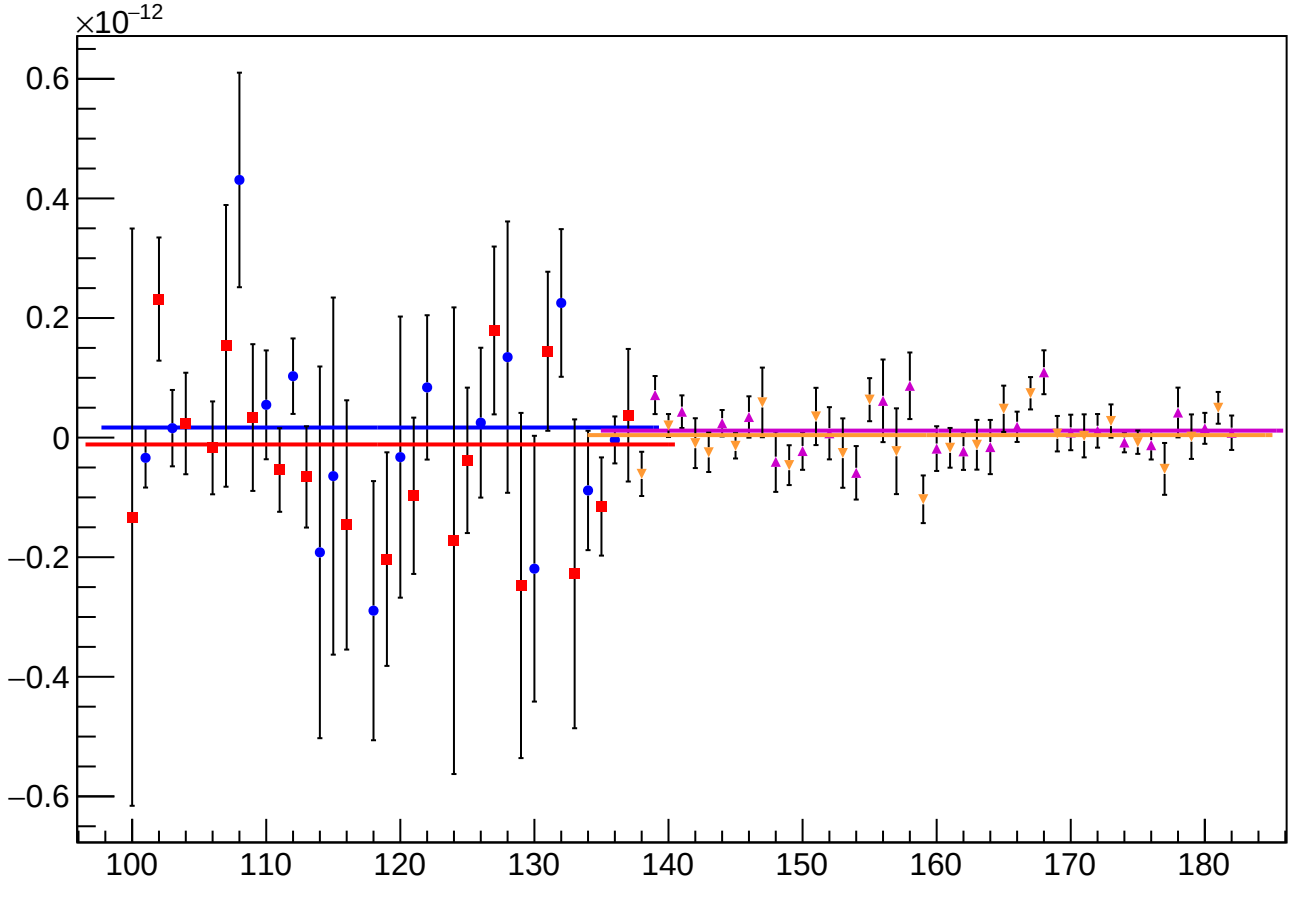
Left: 793.375+/-0.095 χ^2/NDF: 2221694.0/44

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 840.081+/-0.122 χ^2/NDF:2912452.5/37

Out: 842.812+/-0.121 χ^2/NDF:3031019.1/41

All: 841.456+/-0.086 χ^2/NDF: 5943723.0/79



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.6/22

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:25.1/21

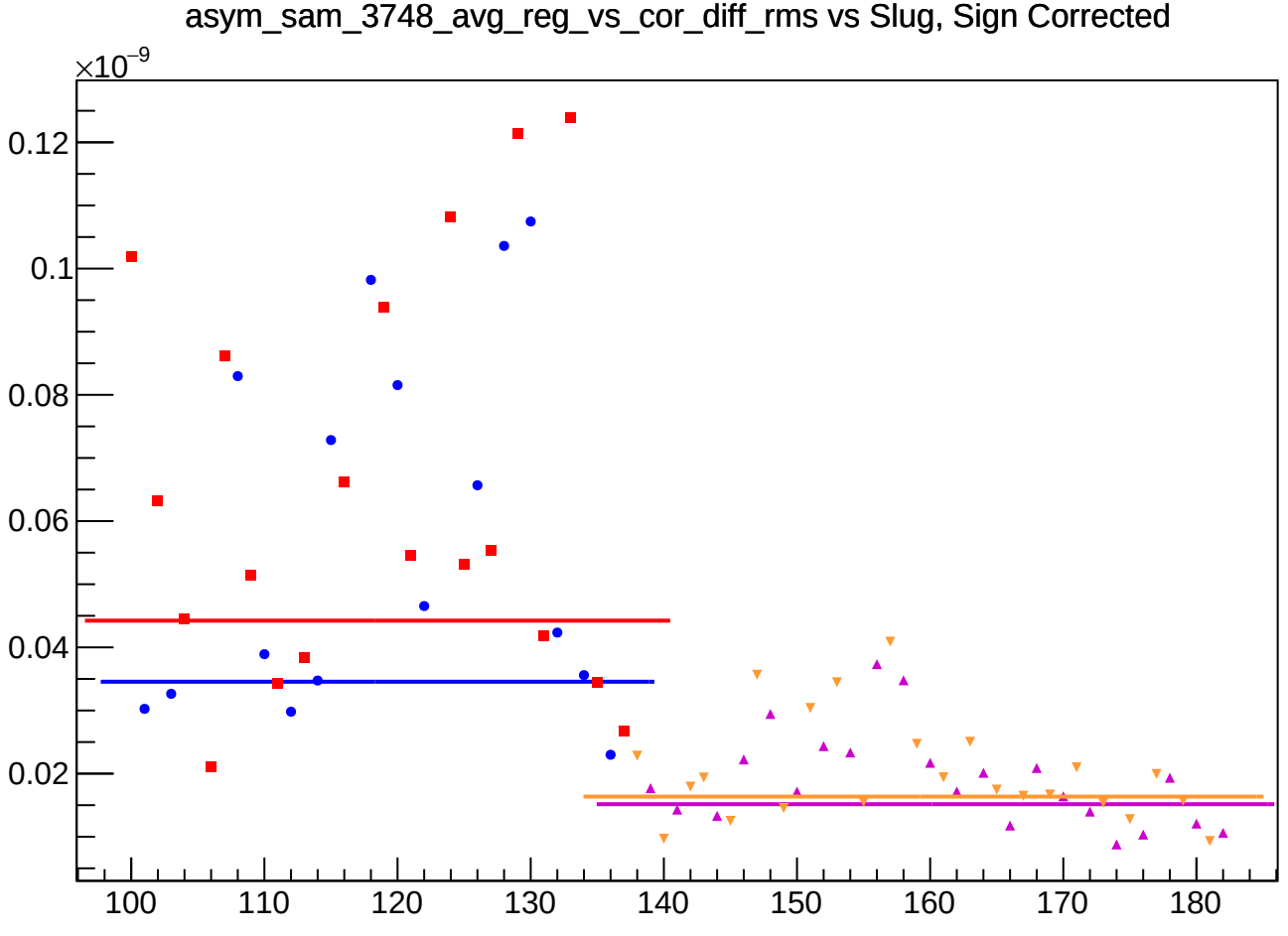
Left: 0.000+/-0.000 χ^2/NDF: 59.3/44

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:42.0/37

Out: 0.000+/-0.000 χ^2/NDF:49.8/41

All: 0.000+/-0.000 χ^2/NDF: 92.8/79



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1667463.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1553787.8/21

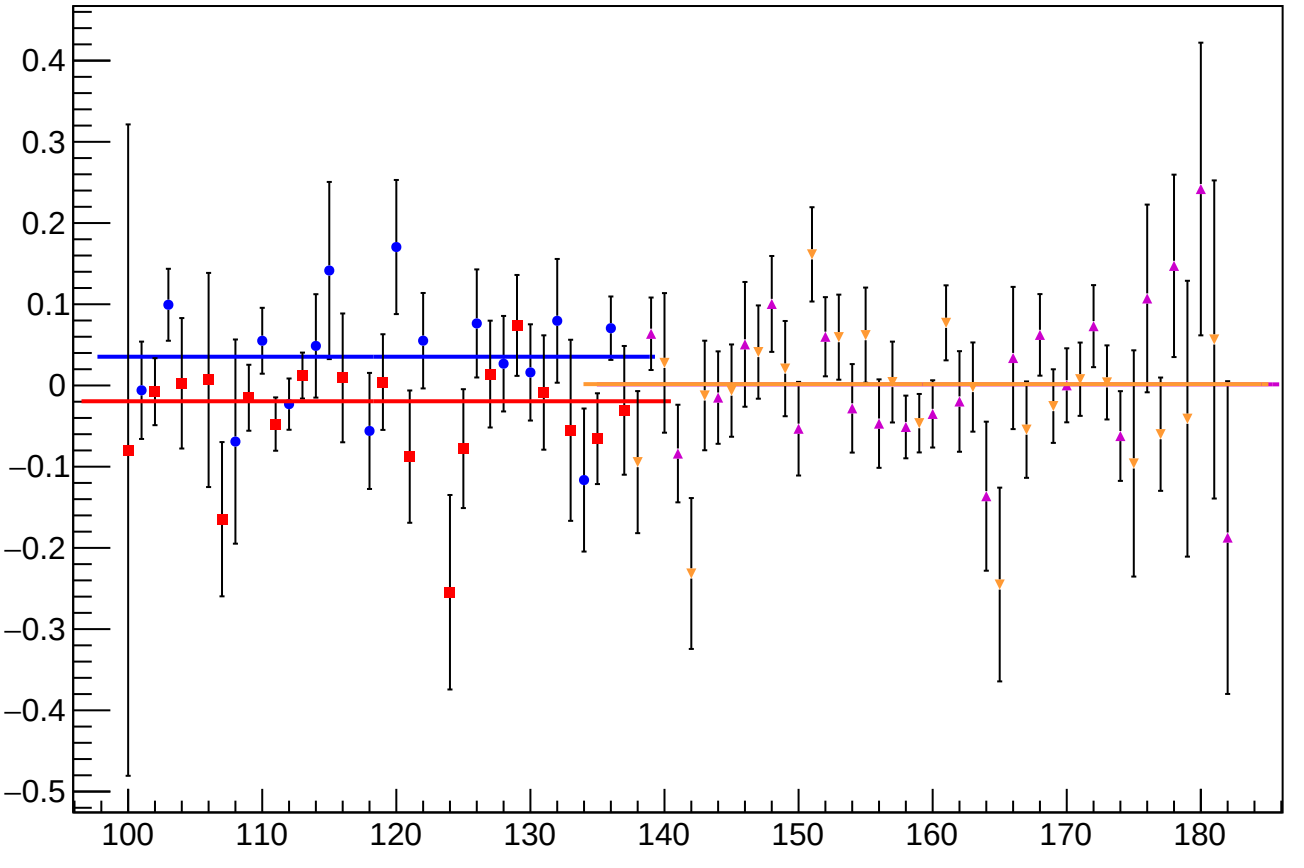
Left: 0.000+/-0.000 χ^2/NDF: 3255018.8/44

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:4195176.4/37

Out: 0.000+/-0.000 χ^2/NDF:4765434.7/41

All: 0.000+/-0.000 χ^2/NDF: 8998289.1/79



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.5/22

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.012 χ^2/NDF:25.9/21

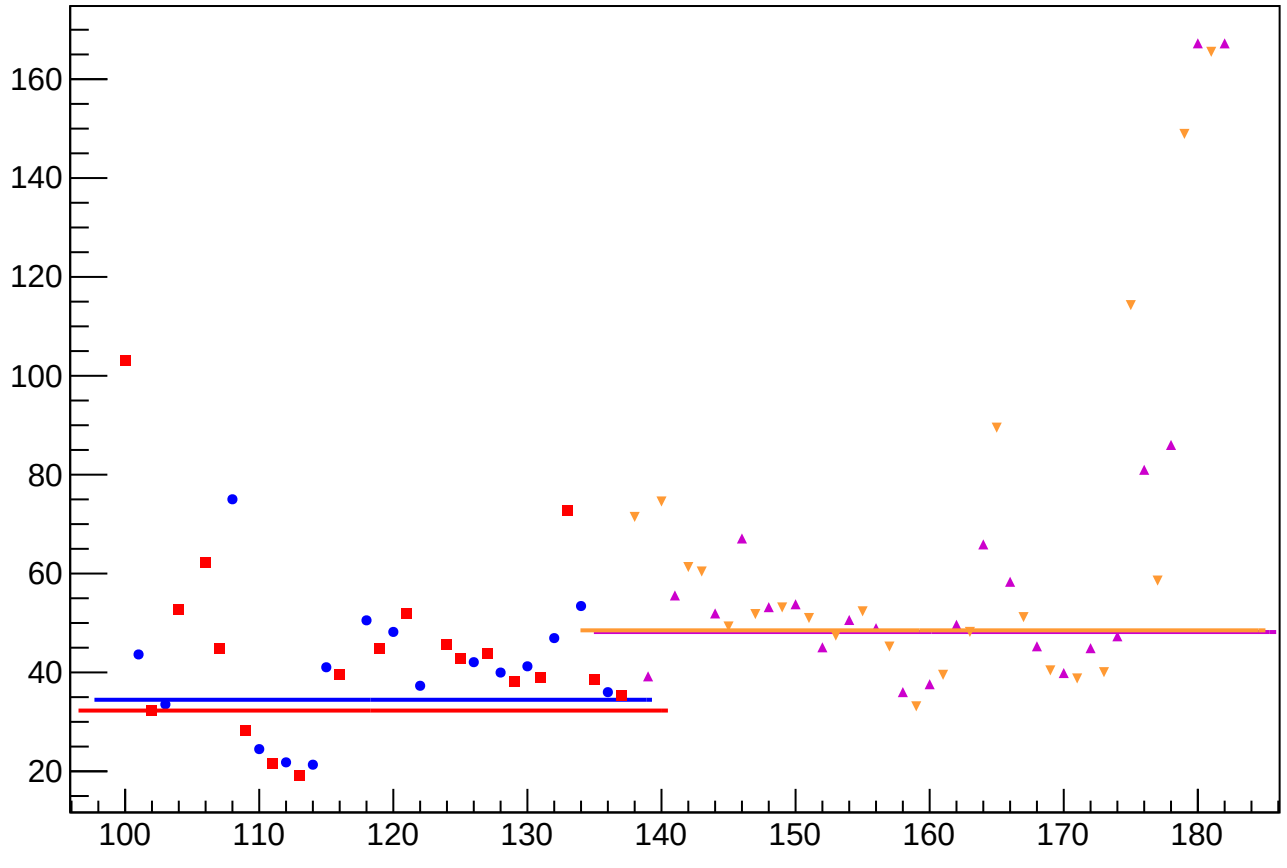
Left: 0.002+/-0.009 χ^2/NDF: 55.4/44

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.009 χ^2/NDF:46.2/37

Out: -0.008+/-0.009 χ^2/NDF:44.3/41

All: 0.004+/-0.006 χ^2/NDF: 94.1/79



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.512+/-0.009 χ^2/NDF:3270573.6/22

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 48.168+/-0.009 χ^2/NDF:2826701.7/21

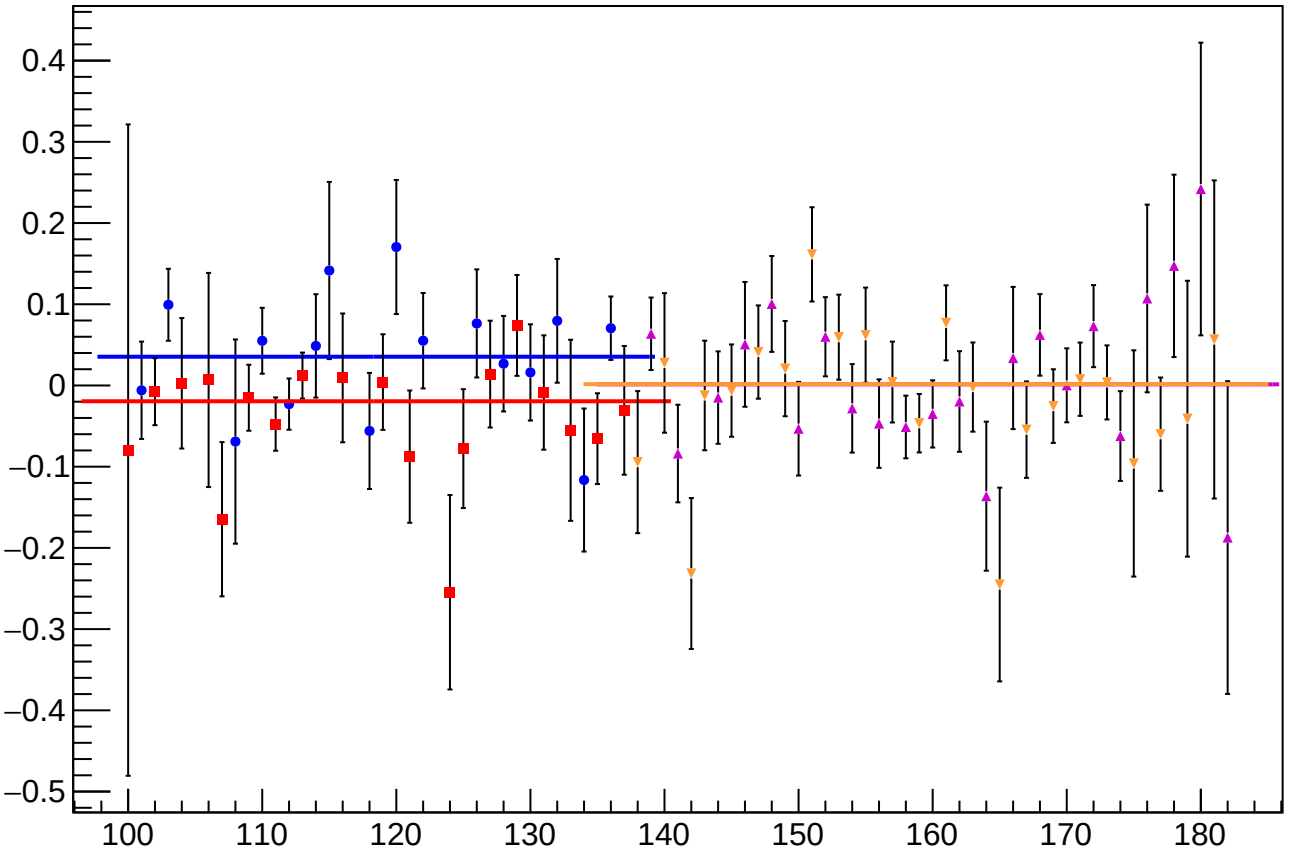
Left: 48.341+/-0.006 χ^2/NDF: 6098047.3/44

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 42.098+/-0.007 χ^2/NDF:5081365.3/37

Out: 40.895+/-0.006 χ^2/NDF:6565861.0/41

All: 41.480+/-0.005 χ^2/NDF: 11664624.9/79



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.5/22

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.012 χ^2/NDF:25.9/21

Left: 0.002+/-0.009 χ^2/NDF: 55.4/44

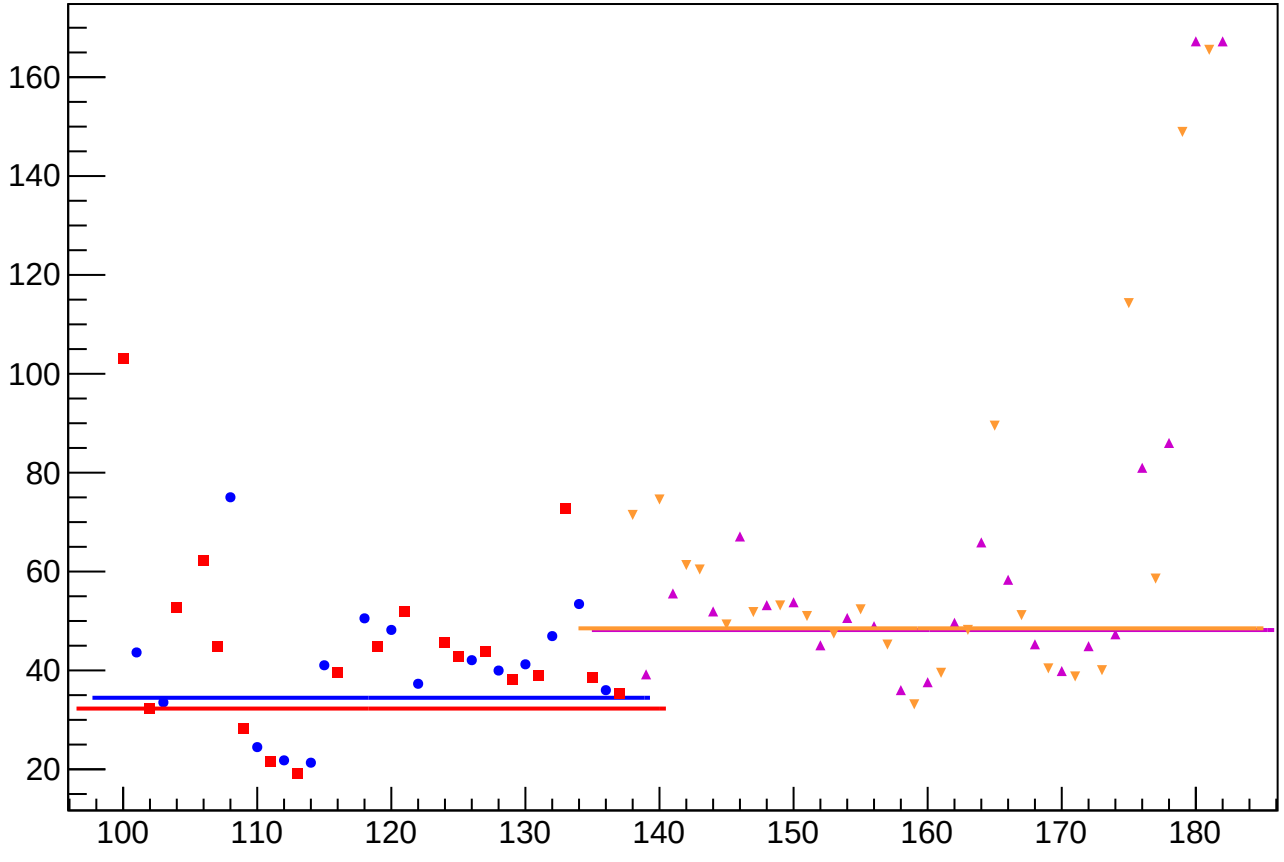
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.009 χ^2/NDF:46.2/37

Out: -0.008+/-0.009 χ^2/NDF:44.3/41

All: 0.004+/-0.006 χ^2/NDF: 94.1/79

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: 48.512+/-0.009 χ^2/NDF:3270573.6/22

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 48.168+/-0.009 χ^2/NDF:2826701.7/21

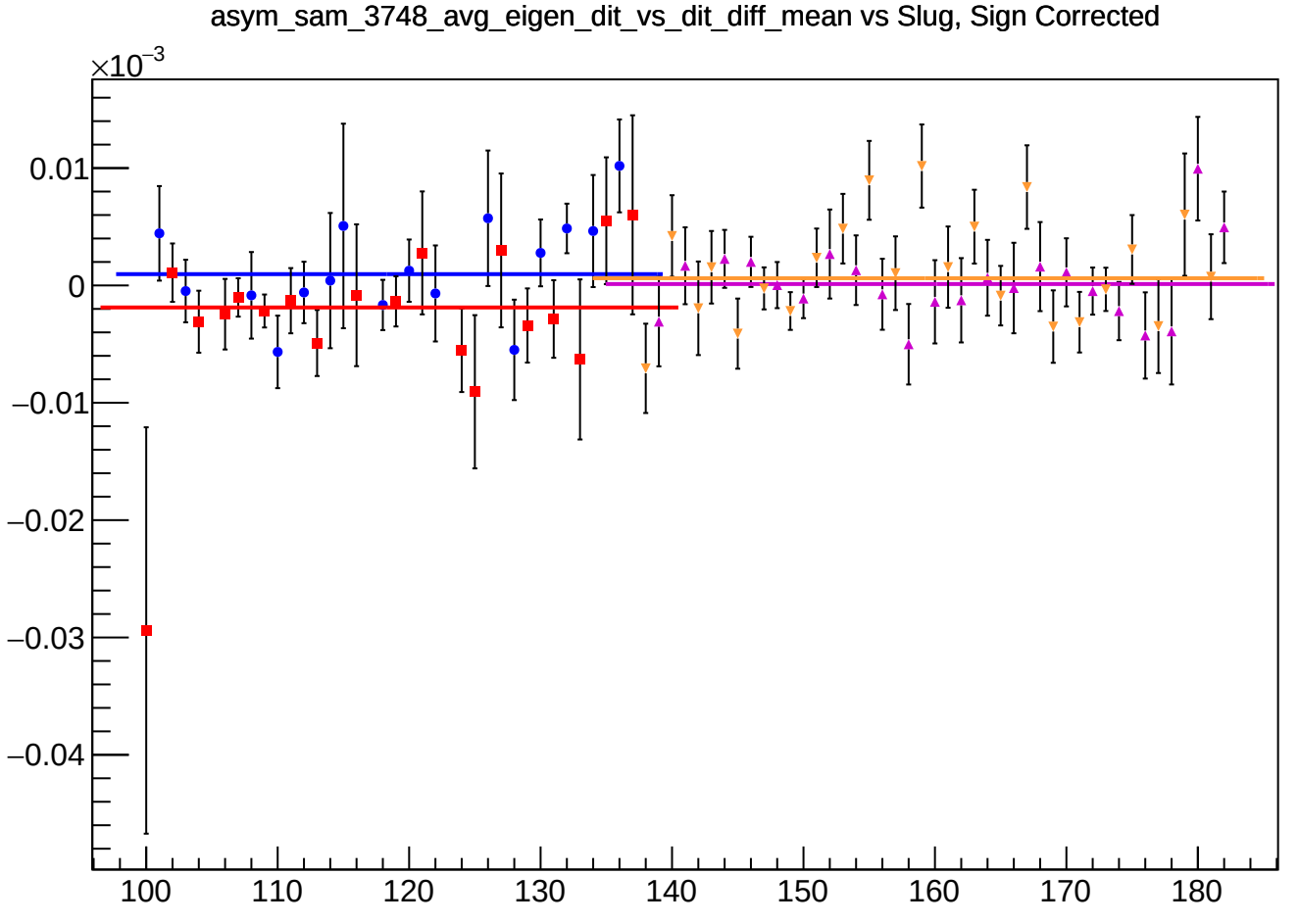
Left: 48.341+/-0.006 χ^2/NDF: 6098047.3/44

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 42.098+/-0.007 χ^2/NDF:5081365.3/37

Out: 40.895+/-0.006 χ^2/NDF:6565861.0/41

All: 41.480+/-0.005 χ^2/NDF: 11664624.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.5/22

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.2/21

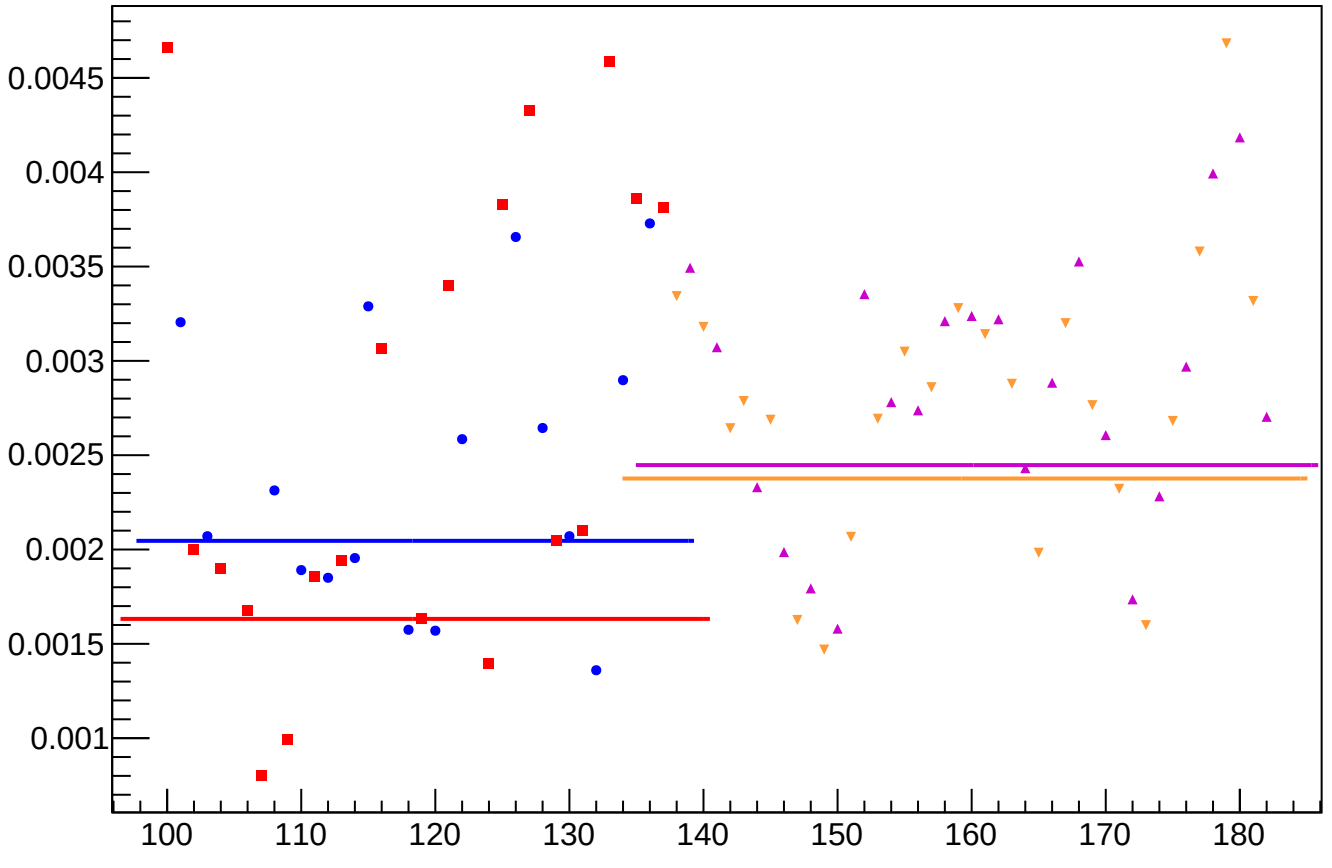
Left: 0.000+/-0.000 χ^2/NDF: 59.0/44

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:38.8/37

Out: -0.000+/-0.000 χ^2/NDF:62.2/41

All: -0.000+/-0.000 χ^2/NDF: 102.9/79



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3021124.1/22

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:2580244.7/21

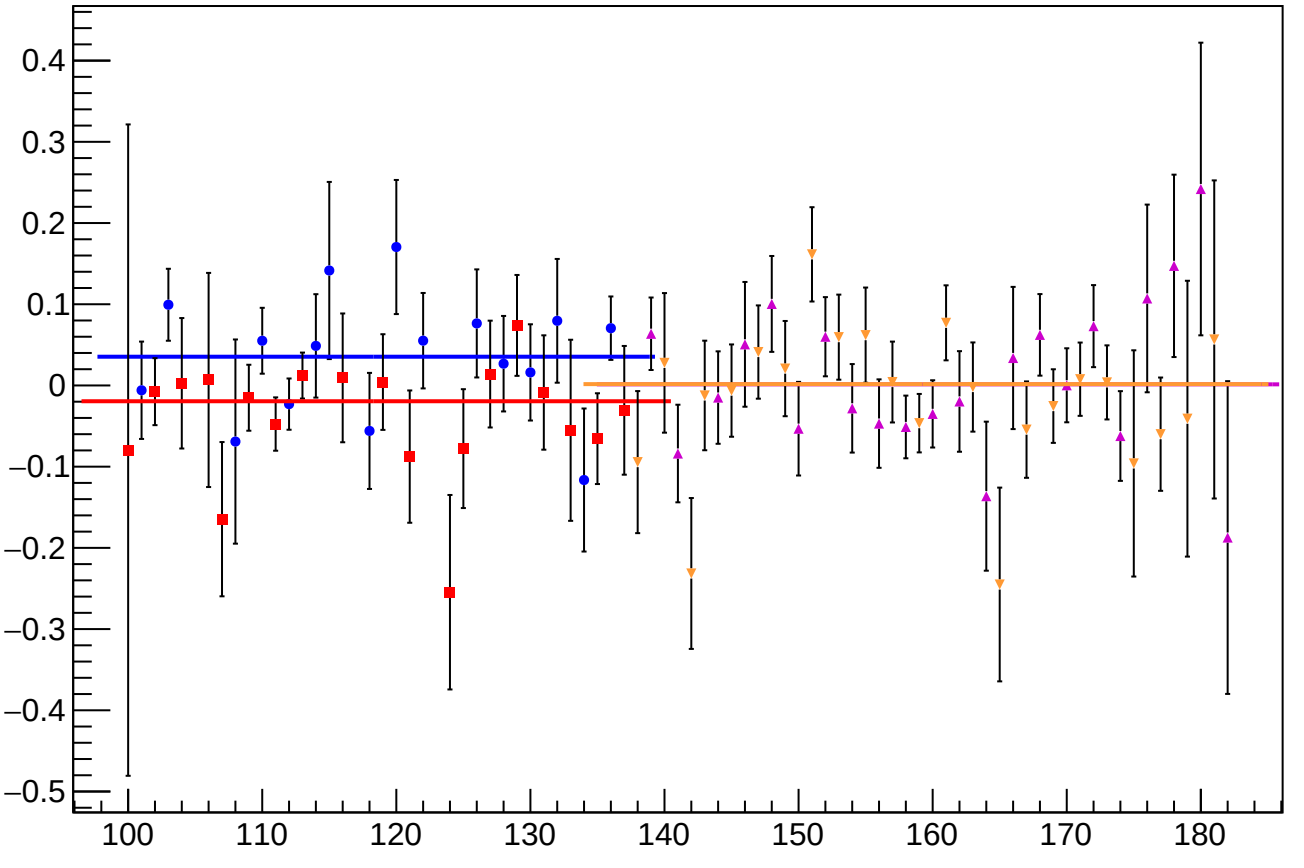
Left: 0.002+/-0.000 χ^2/NDF: 5615673.2/44

Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:4157224.6/37

Out: 0.002+/-0.000 χ^2/NDF:7352021.3/41

All: 0.002+/-0.000 χ^2/NDF: 11797162.2/79



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.5/22

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.012 χ^2/NDF:25.9/21

Left: 0.002+/-0.009 χ^2/NDF: 55.4/44

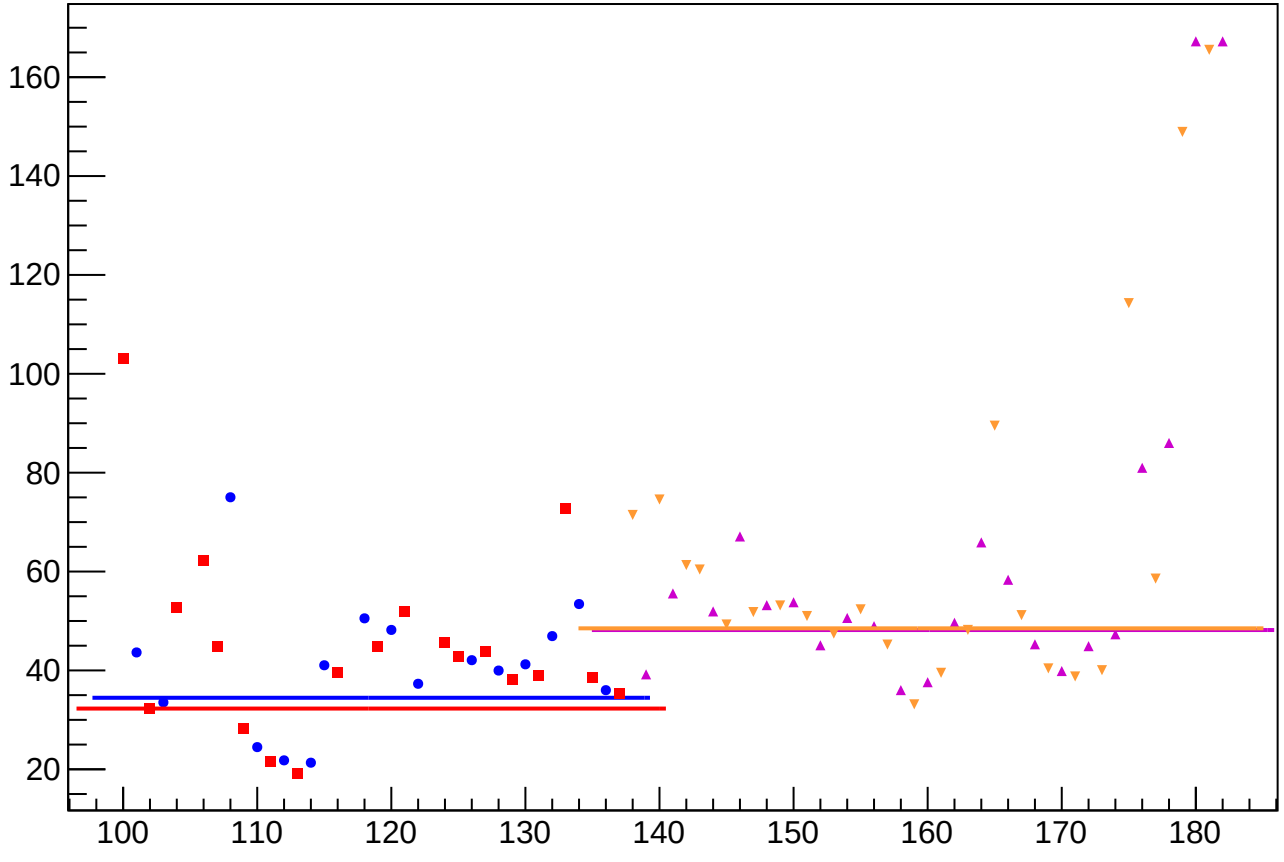
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.009 χ^2/NDF:46.2/37

Out: -0.008+/-0.009 χ^2/NDF:44.3/41

All: 0.004+/-0.006 χ^2/NDF: 94.1/79

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: 48.513+/-0.009 χ^2/NDF:3270557.2/22

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 48.169+/-0.009 χ^2/NDF:2826670.2/21

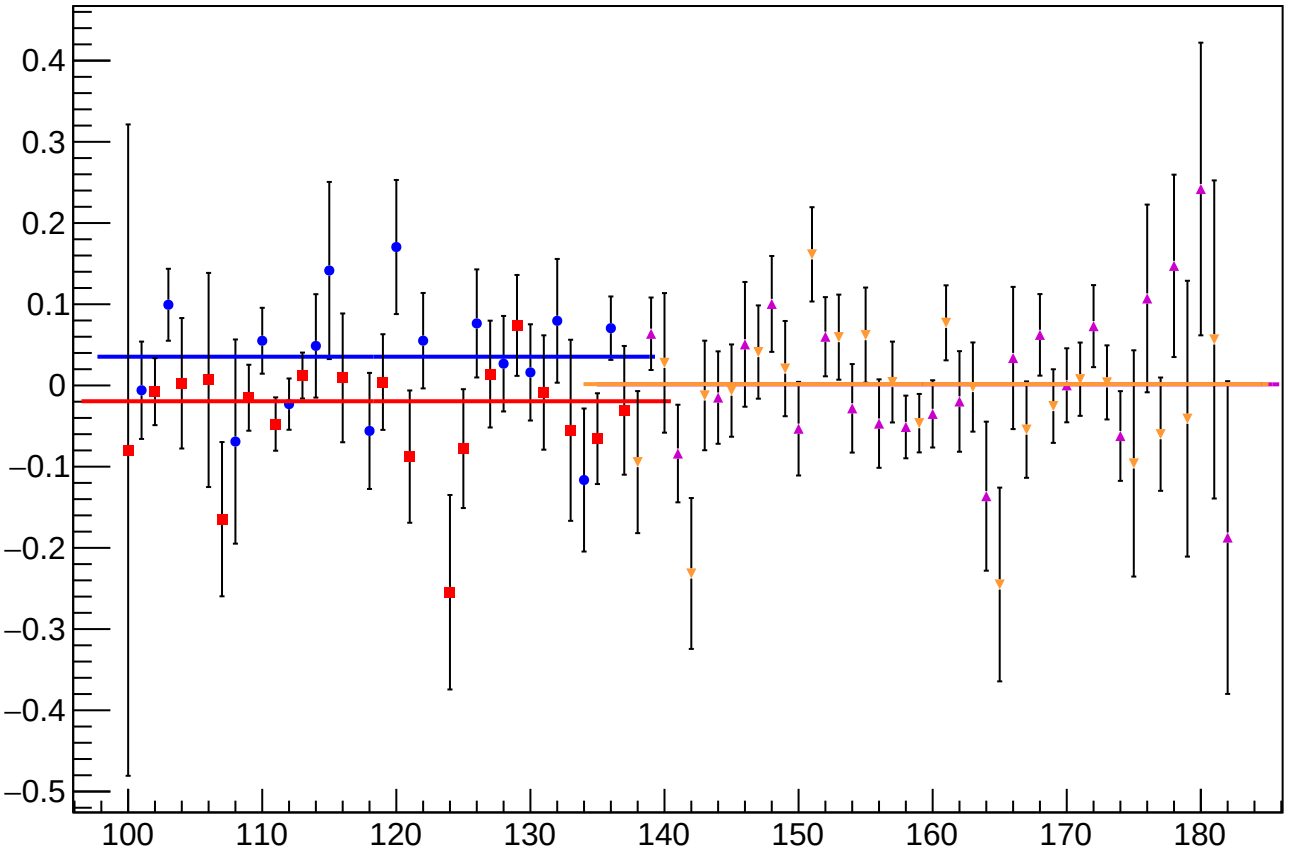
Left: 48.341+/-0.006 χ^2/NDF: 6097999.5/44

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 42.099+/-0.007 χ^2/NDF:5081301.4/37

Out: 40.896+/-0.006 χ^2/NDF:6565820.3/41

All: 41.480+/-0.005 χ^2/NDF: 11664519.5/79



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.5/22

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.012 χ^2/NDF:25.9/21

Left: 0.002+/-0.009 χ^2/NDF: 55.4/44

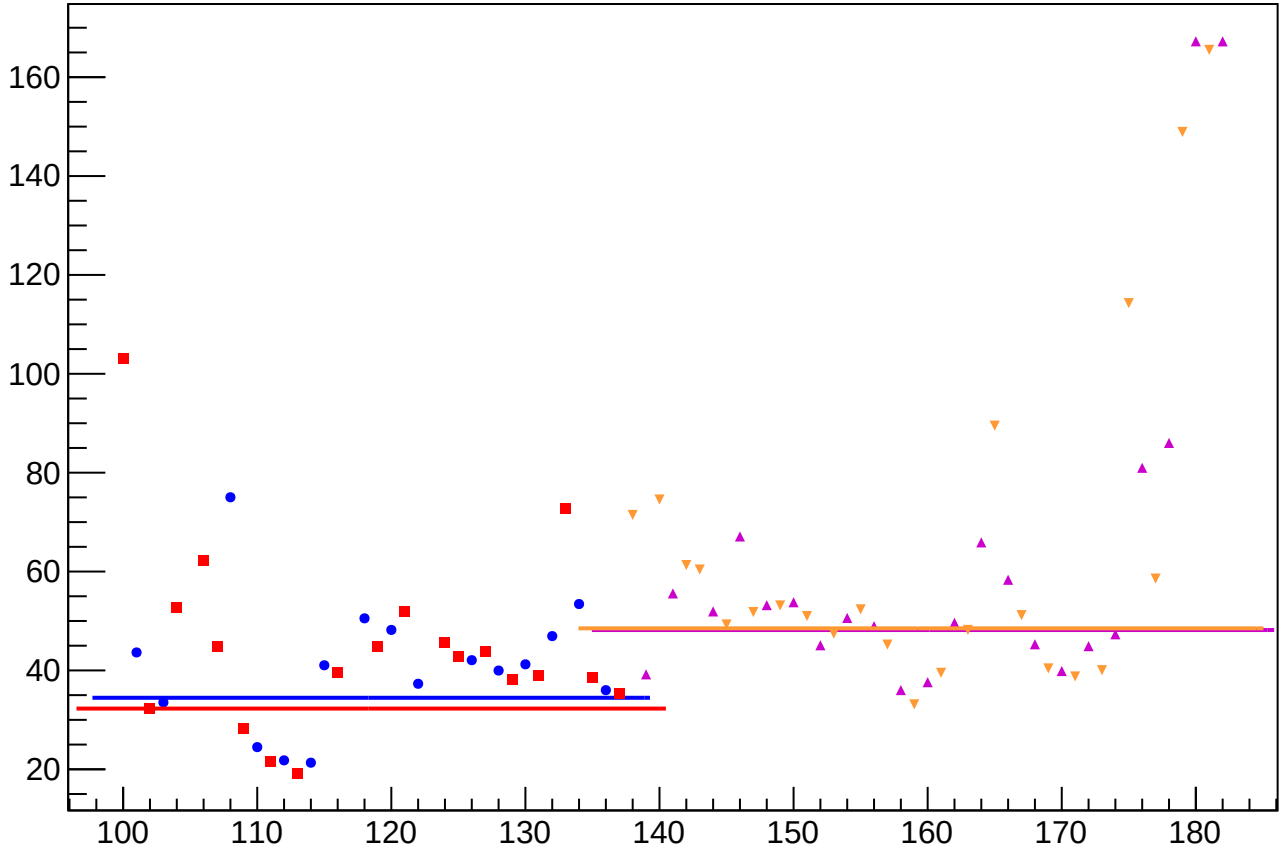
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.009 χ^2/NDF:46.2/37

Out: -0.008+/-0.009 χ^2/NDF:44.3/41

All: 0.004+/-0.006 χ^2/NDF: 94.1/79

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 48.513+/-0.009 χ^2/NDF:3270557.2/22

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 48.169+/-0.009 χ^2/NDF:2826670.2/21

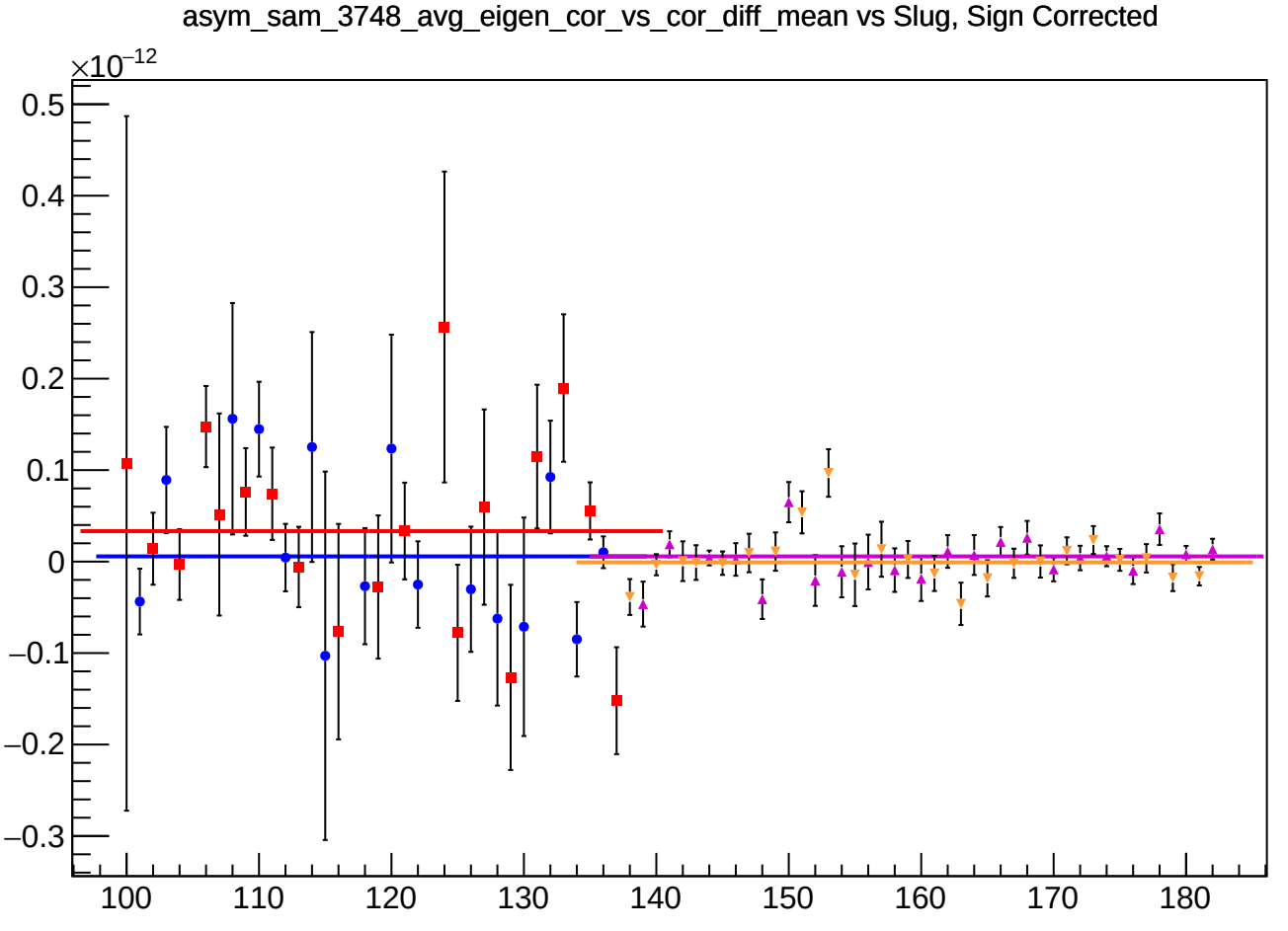
Left: 48.341+/-0.006 χ^2/NDF: 6097999.5/44

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 42.099+/-0.007 χ^2/NDF:5081301.4/37

Out: 40.896+/-0.006 χ^2/NDF:6565820.3/41

All: 41.480+/-0.005 χ^2/NDF: 11664519.5/79



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:28.1/21

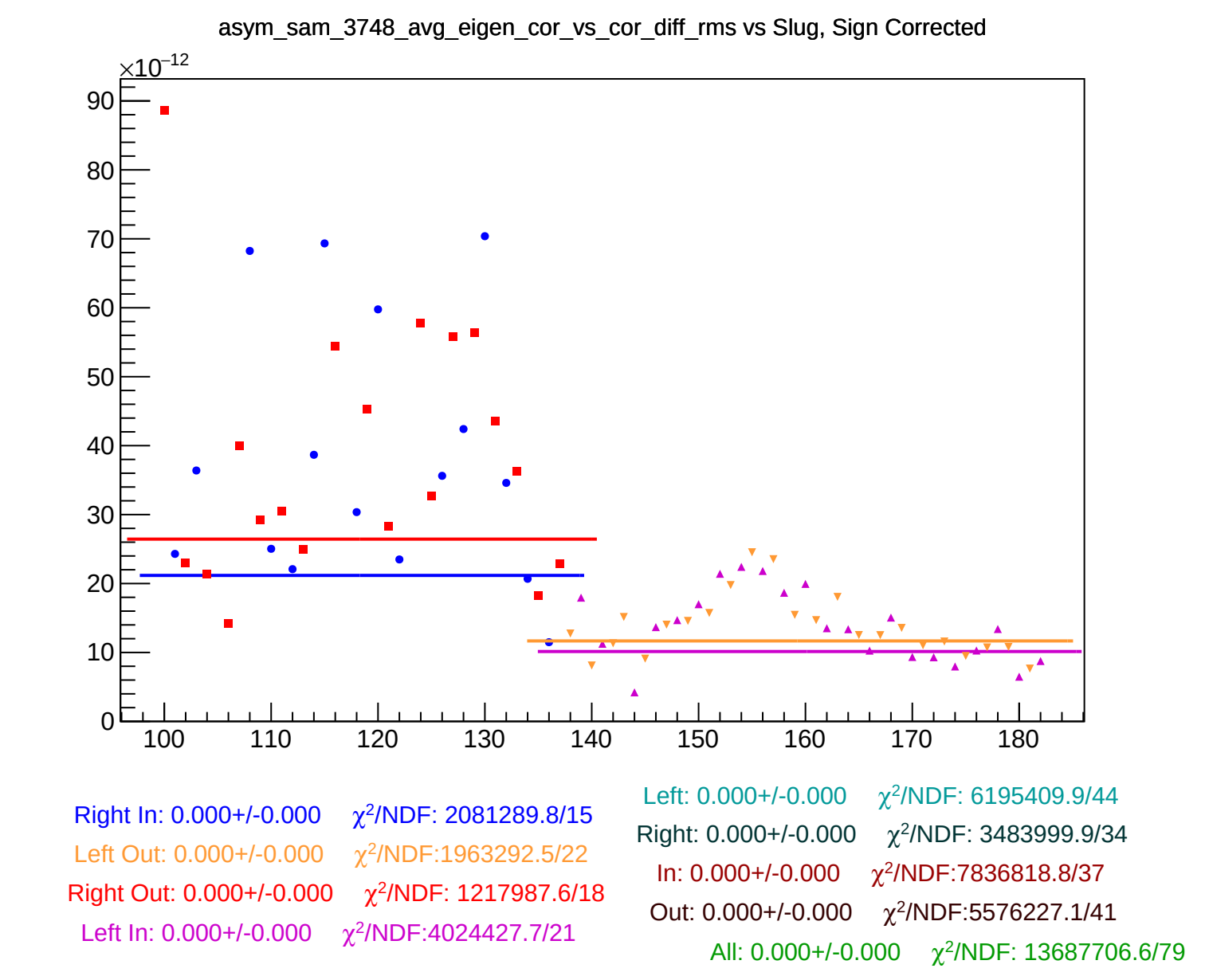
Left: 0.000+/-0.000 χ^2/NDF: 66.5/44

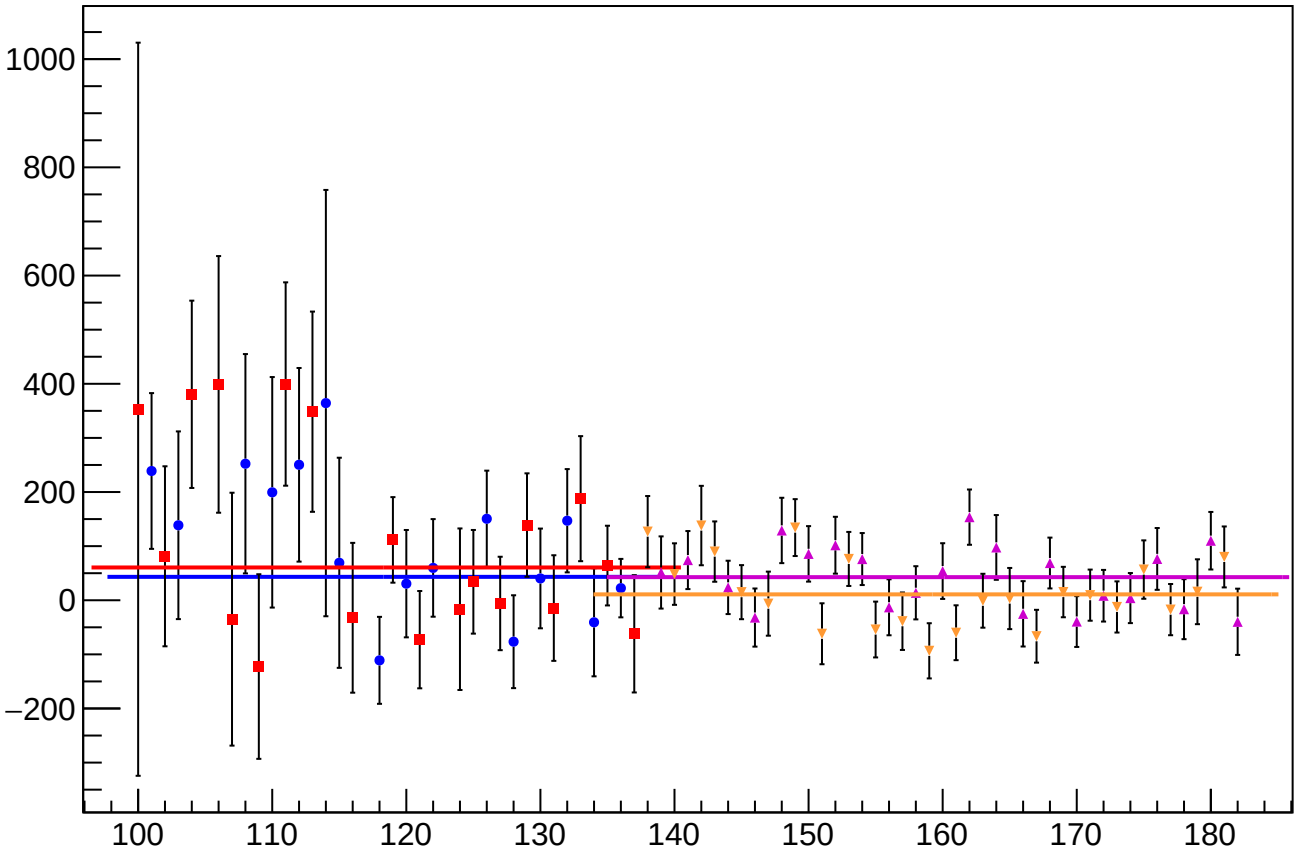
Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

In: 0.000+/-0.000 χ^2/NDF:51.7/37

Out: 0.000+/-0.000 χ^2/NDF:76.4/41

All: 0.000+/-0.000 χ^2/NDF: 128.9/79


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1963292.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:4024427.7/21
Left: 0.000+/-0.000 χ²/NDF: 6195409.9/44
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:7836818.8/37
Out: 0.000+/-0.000 χ²/NDF:5576227.1/41
All: 0.000+/-0.000 χ²/NDF: 13687706.6/79



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 10.885+/-11.048 χ^2/NDF:31.6/22

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 42.711+/-11.216 χ^2/NDF:24.8/21

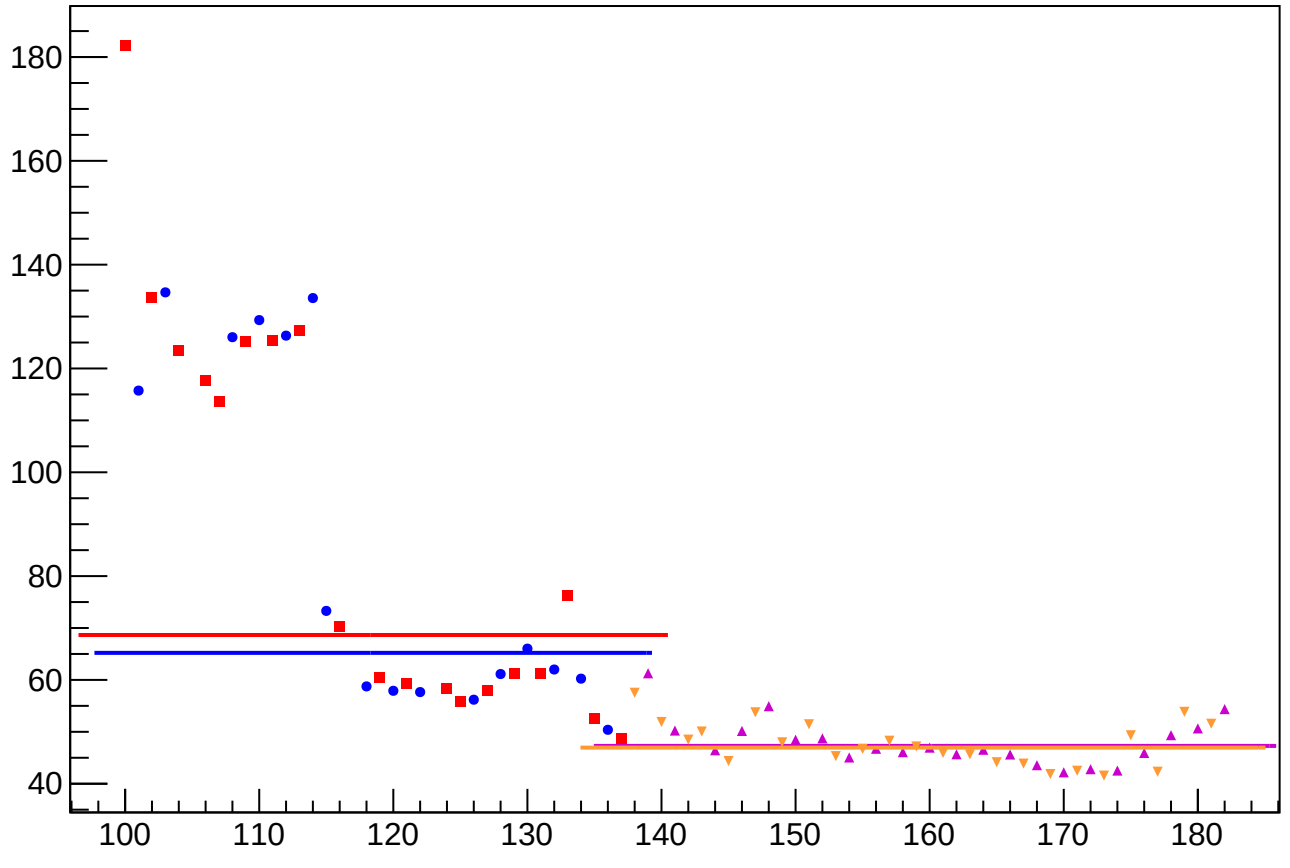
Left: 26.558+/-7.871 χ^2/NDF: 60.5/44

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 42.796+/-10.285 χ^2/NDF:39.7/37

Out: 18.060+/-10.220 χ^2/NDF:54.9/41

All: 30.350+/-7.249 χ^2/NDF: 97.6/79



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 46.958+/-0.008 χ^2/NDF:268228.4/22

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 47.286+/-0.008 χ^2/NDF:258321.7/21

Left: 47.119+/-0.006 χ^2/NDF: 527416.6/44

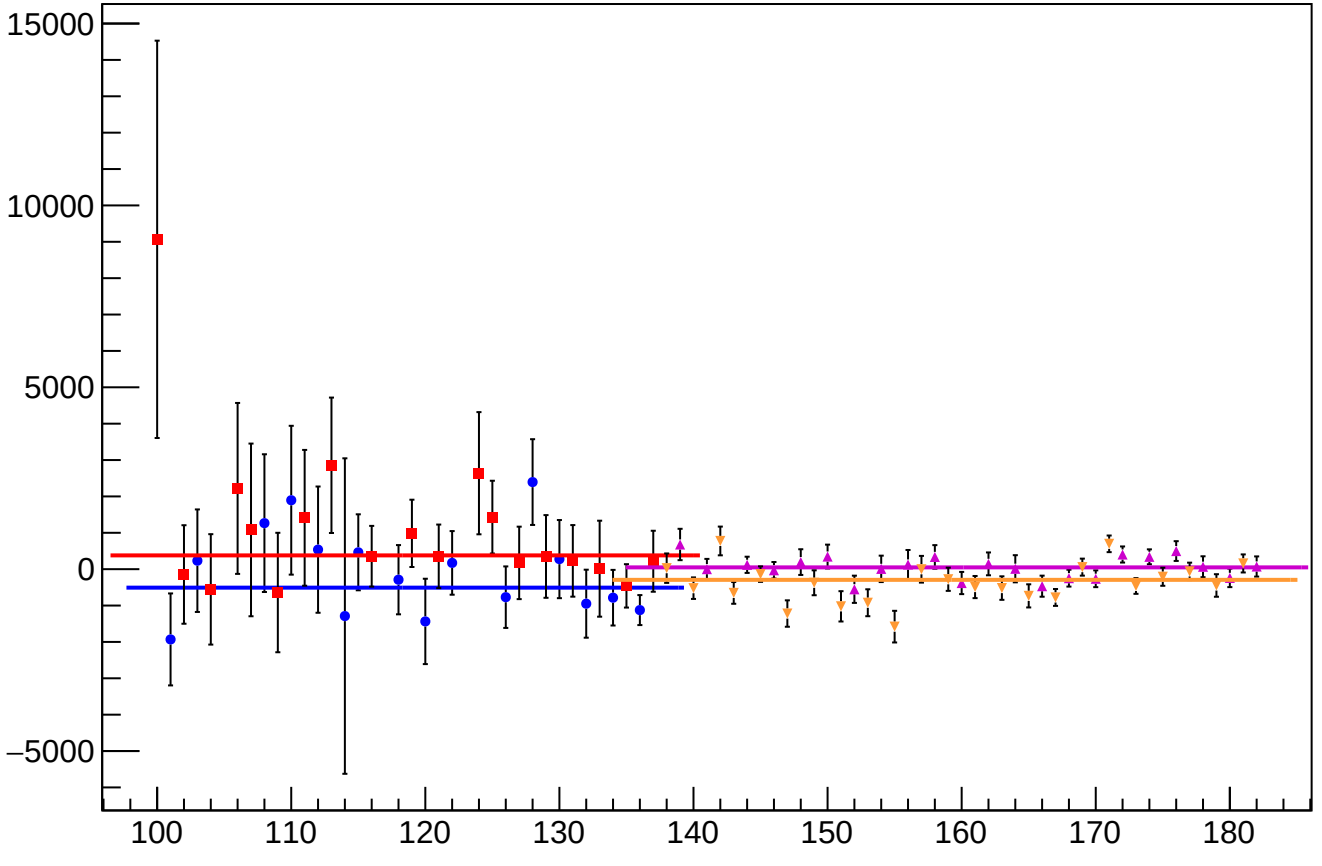
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 50.139+/-0.007 χ^2/NDF:2517971.0/37

Out: 50.091+/-0.007 χ^2/NDF:3023010.4/41

All: 50.115+/-0.005 χ^2/NDF: 5541003.1/79

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: -293.659+/-60.113 χ^2/NDF:65.8/22

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 49.298+/-59.632 χ^2/NDF:24.1/21

Left: -120.802+/-42.335 χ^2/NDF: 106.4/44

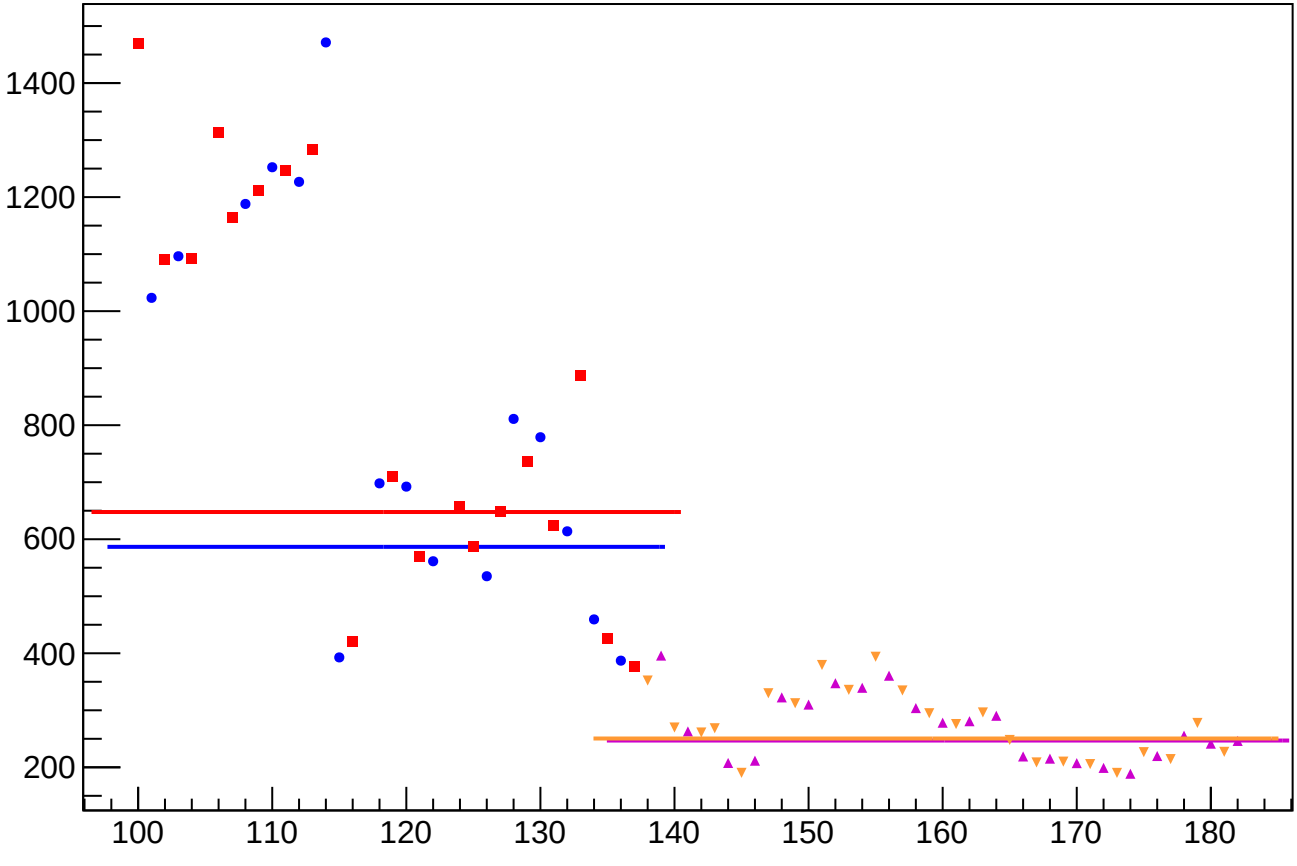
Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: 16.107+/-57.829 χ^2/NDF:45.0/37

Out: -258.619+/-58.526 χ^2/NDF:84.1/41

All: -119.609+/-41.135 χ^2/NDF: 140.2/79

asym_sam_1526_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 250.523+/-0.043 χ^2/NDF:1632320.1/22

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 246.955+/-0.042 χ^2/NDF:1483604.8/21

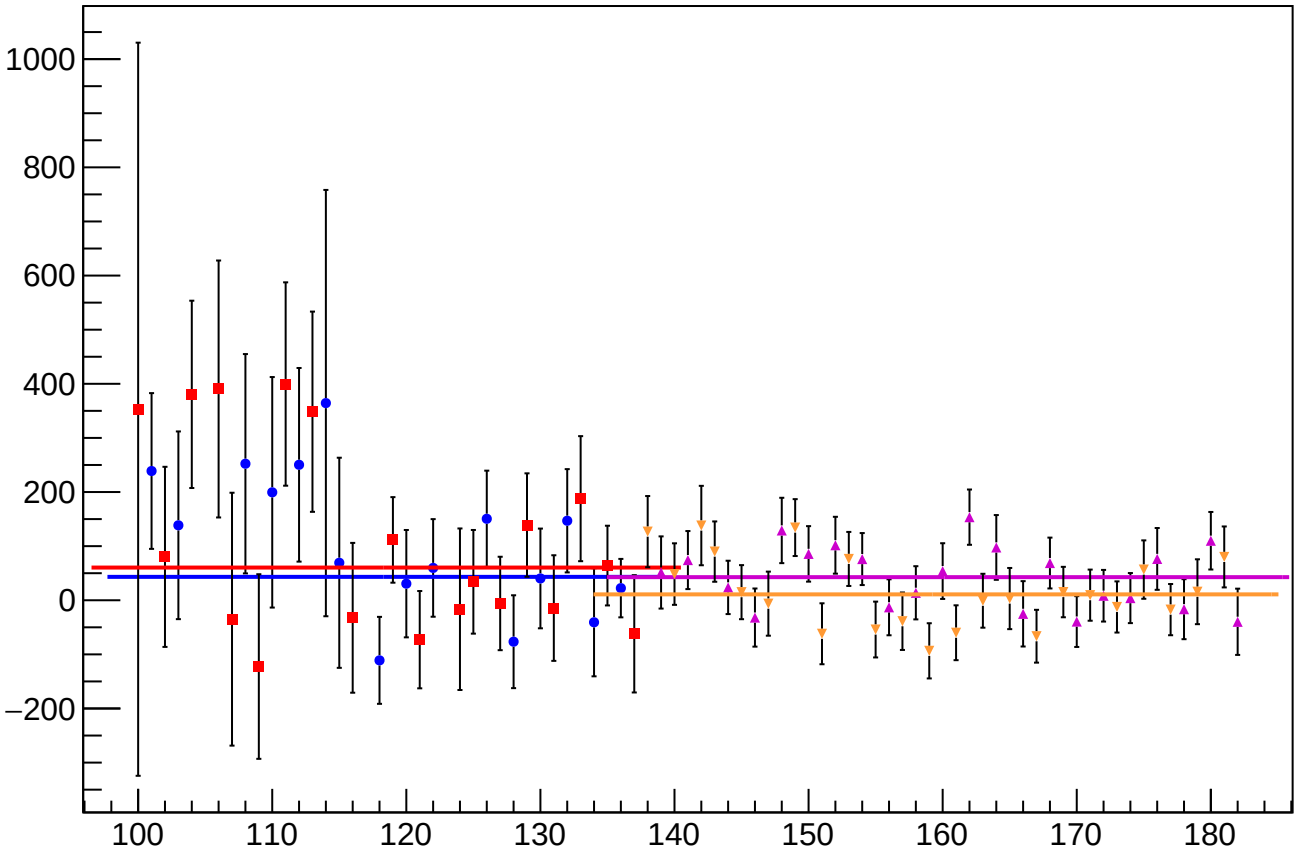
Left: 248.725+/-0.030 χ^2/NDF: 3119475.7/44

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 267.189+/-0.041 χ^2/NDF:7402460.2/37

Out: 271.218+/-0.041 χ^2/NDF:8287624.2/41

All: 269.179+/-0.029 χ^2/NDF: 15694880.6/79



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 10.886+/-11.048 χ^2/NDF:31.6/22

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 42.711+/-11.216 χ^2/NDF:24.8/21

Left: 26.558+/-7.871 χ^2/NDF: 60.5/44

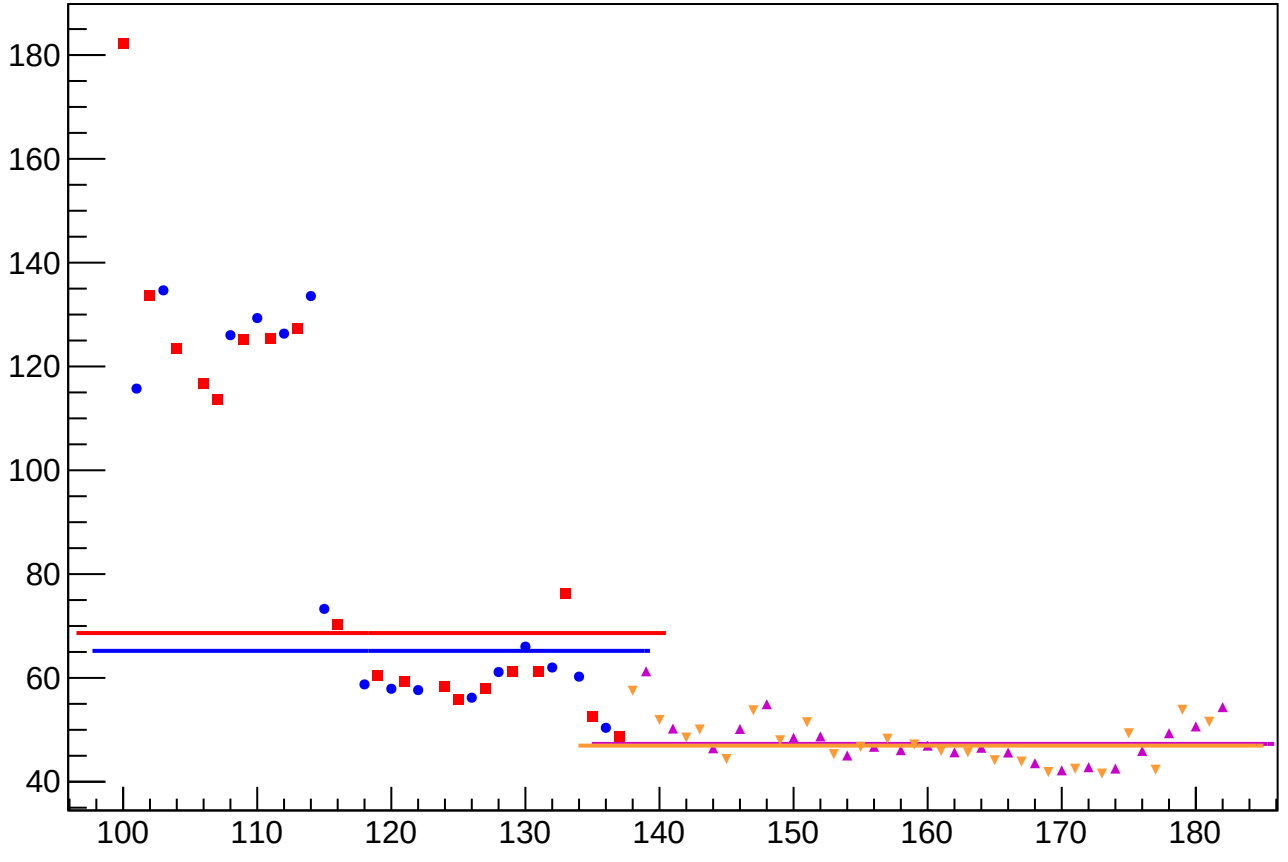
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 42.795+/-10.285 χ^2/NDF:39.7/37

Out: 18.039+/-10.220 χ^2/NDF:54.8/41

All: 30.338+/-7.249 χ^2/NDF: 97.4/79

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.958+/-0.008 χ^2/NDF:268228.4/22

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.286+/-0.008 χ^2/NDF:258321.7/21

Left: 47.119+/-0.006 χ^2/NDF: 527416.6/44

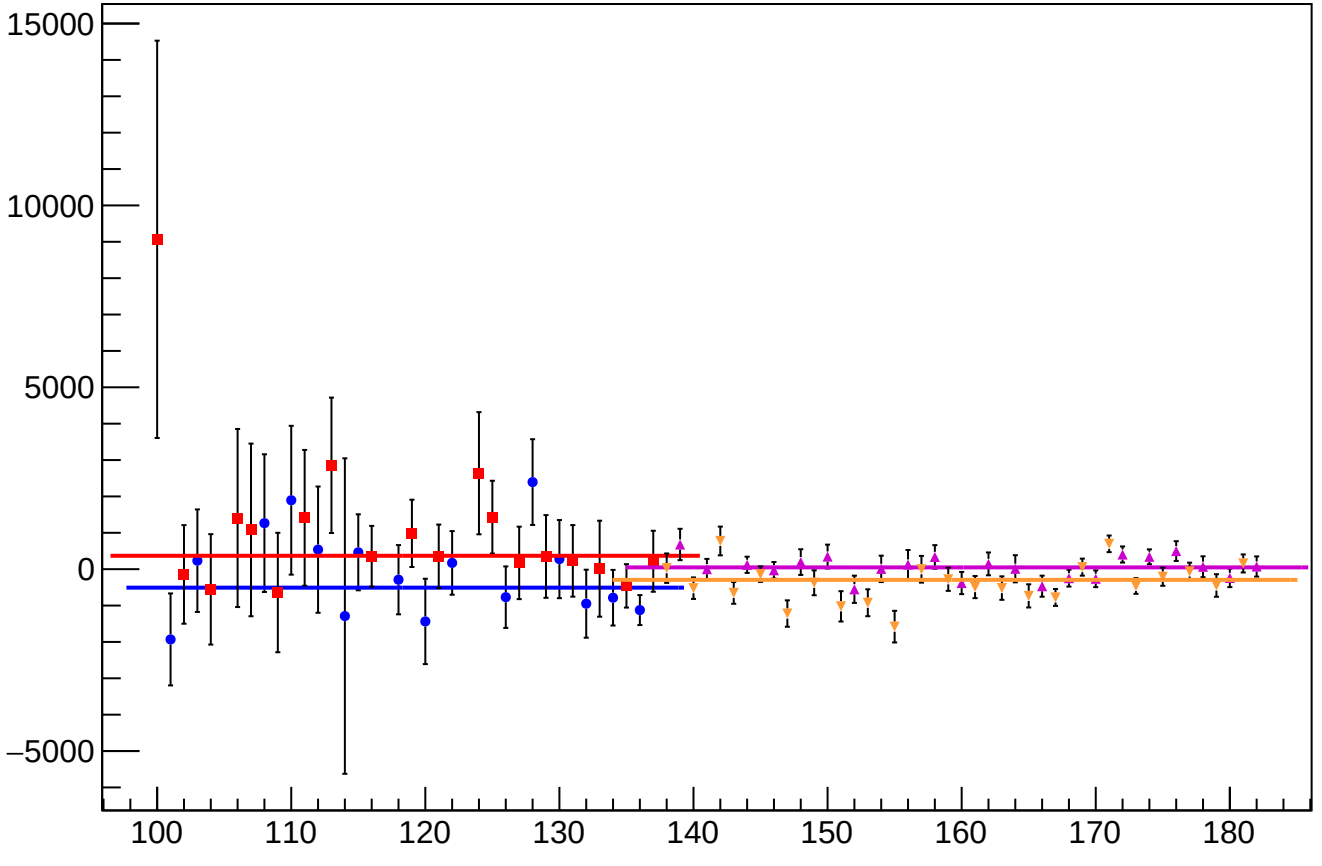
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.139+/-0.007 χ^2/NDF:2517973.1/37

Out: 50.089+/-0.007 χ^2/NDF:3018133.2/41

All: 50.114+/-0.005 χ^2/NDF: 5536130.0/79

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: -293.657+/-60.113 χ^2/NDF:65.8/22

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 49.296+/-59.632 χ^2/NDF:24.1/21

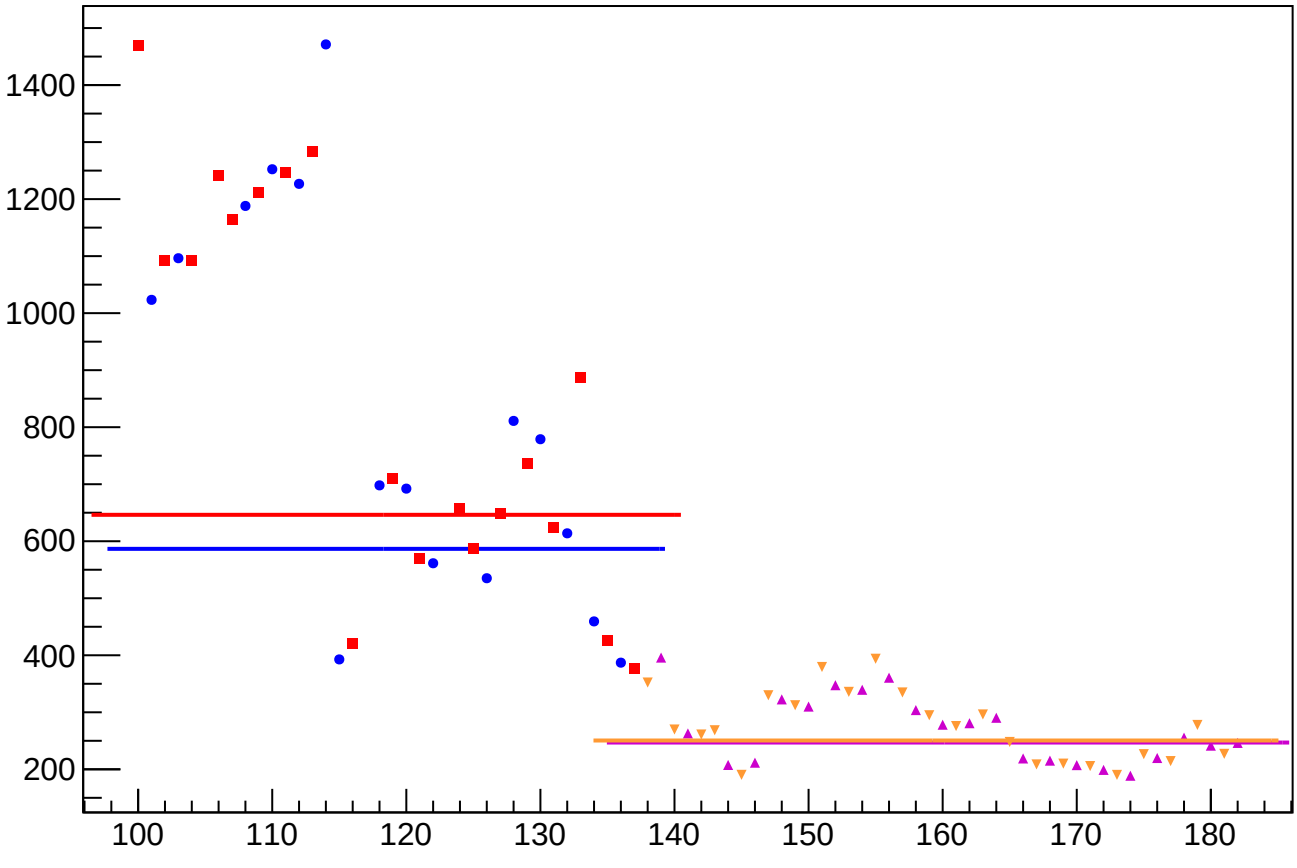
Left: -120.802+/-42.335 χ^2/NDF: 106.4/44

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 16.106+/-57.829 χ^2/NDF:45.0/37

Out: -259.199+/-58.528 χ^2/NDF:83.4/41

All: -119.892+/-41.136 χ^2/NDF: 139.6/79



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 250.523+/-0.043 χ^2/NDF:1632330.3/22

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 246.955+/-0.042 χ^2/NDF:1483599.4/21

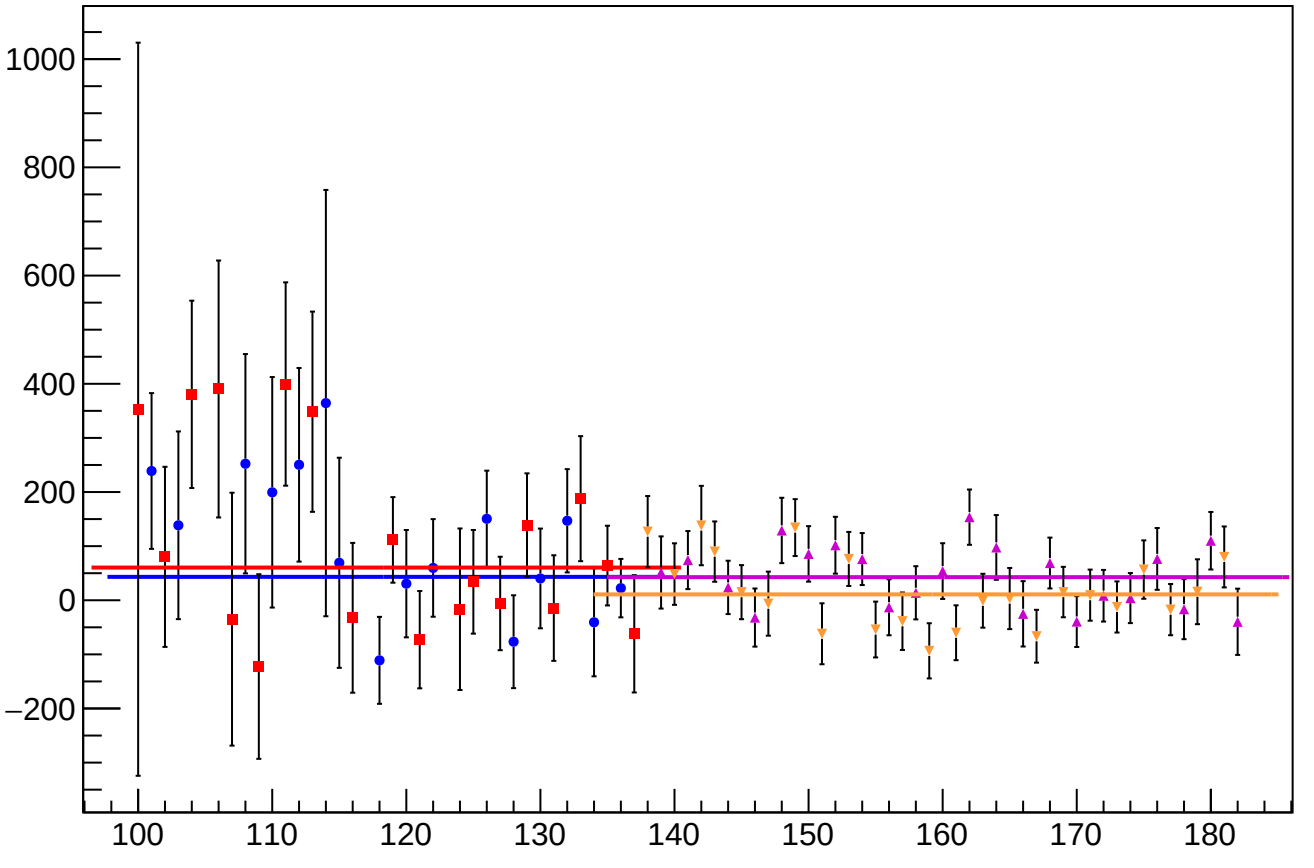
Left: 248.725+/-0.030 χ^2/NDF: 3119479.8/44

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 267.189+/-0.041 χ^2/NDF:7402470.9/37

Out: 271.125+/-0.041 χ^2/NDF:8208751.8/41

All: 269.133+/-0.029 χ^2/NDF: 15615799.8/79



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 10.886+/-11.048 χ^2/NDF:31.6/22

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 42.711+/-11.216 χ^2/NDF:24.8/21

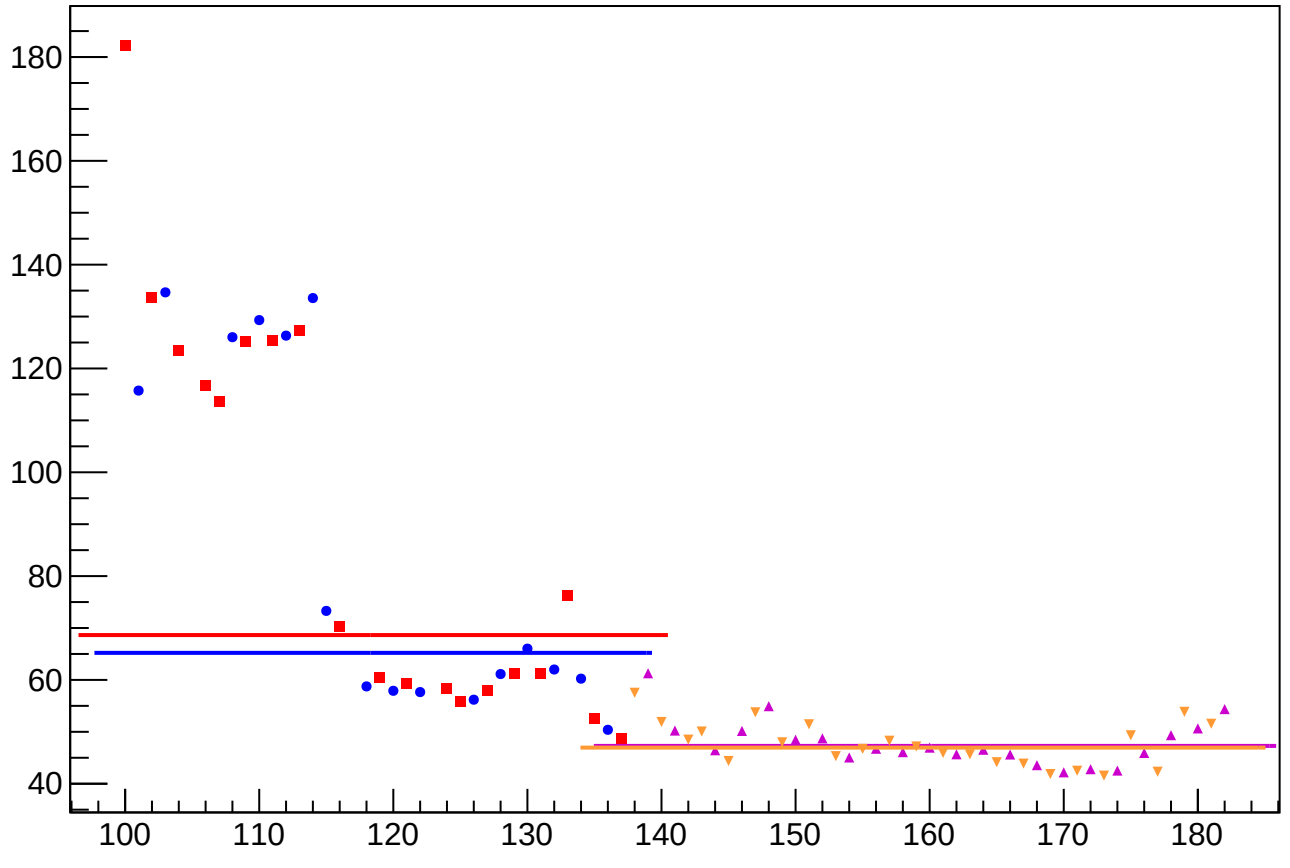
Left: 26.558+/-7.871 χ^2/NDF: 60.5/44

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 42.795+/-10.285 χ^2/NDF:39.7/37

Out: 18.039+/-10.220 χ^2/NDF:54.8/41

All: 30.338+/-7.249 χ^2/NDF: 97.4/79



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.958+/-0.008 χ^2/NDF:268228.4/22

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.286+/-0.008 χ^2/NDF:258321.7/21

Left: 47.119+/-0.006 χ^2/NDF: 527416.6/44

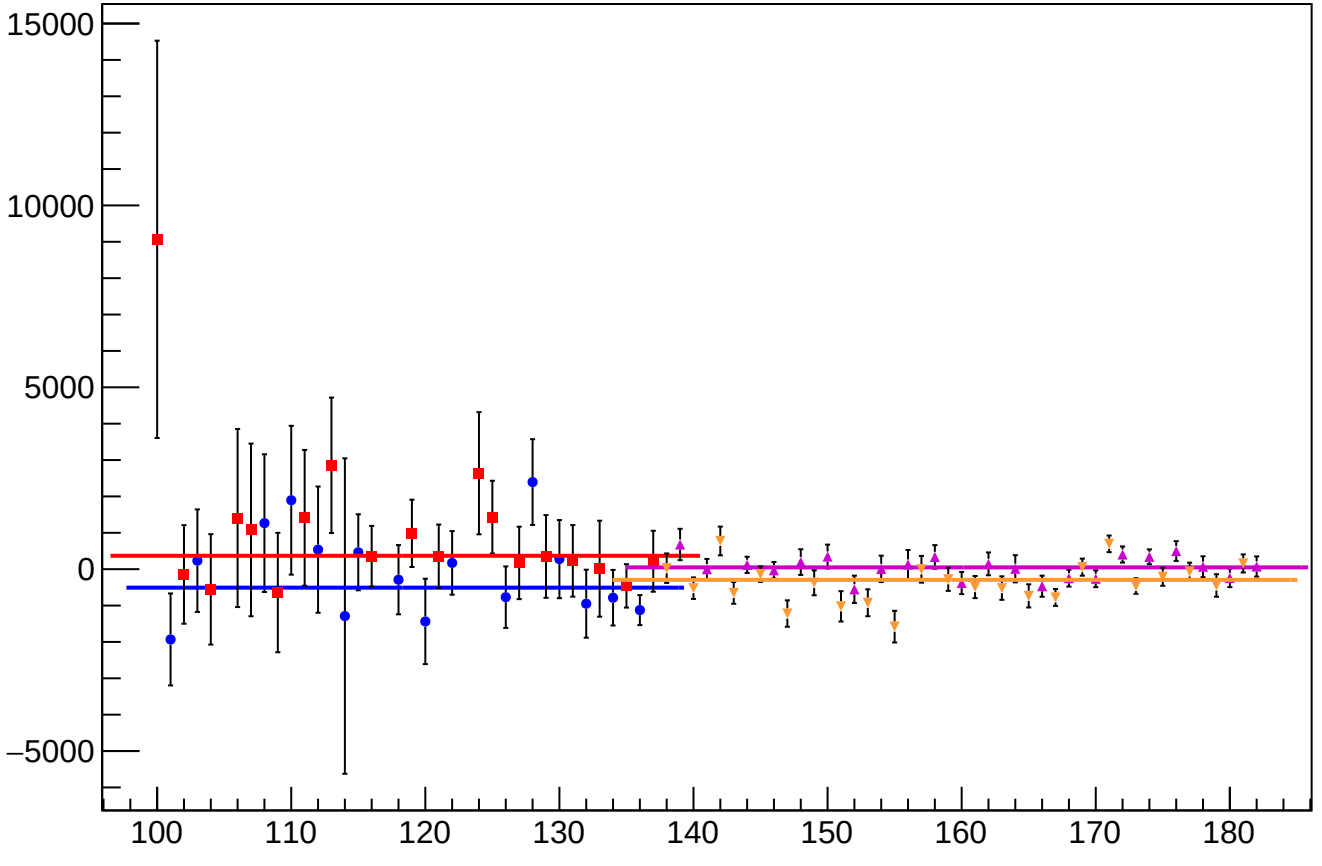
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.139+/-0.007 χ^2/NDF:2517973.1/37

Out: 50.089+/-0.007 χ^2/NDF:3018133.2/41

All: 50.114+/-0.005 χ^2/NDF: 5536130.0/79

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -293.657+/-60.113 χ^2/NDF:65.8/22

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 49.296+/-59.632 χ^2/NDF:24.1/21

Left: -120.802+/-42.335 χ^2/NDF: 106.4/44

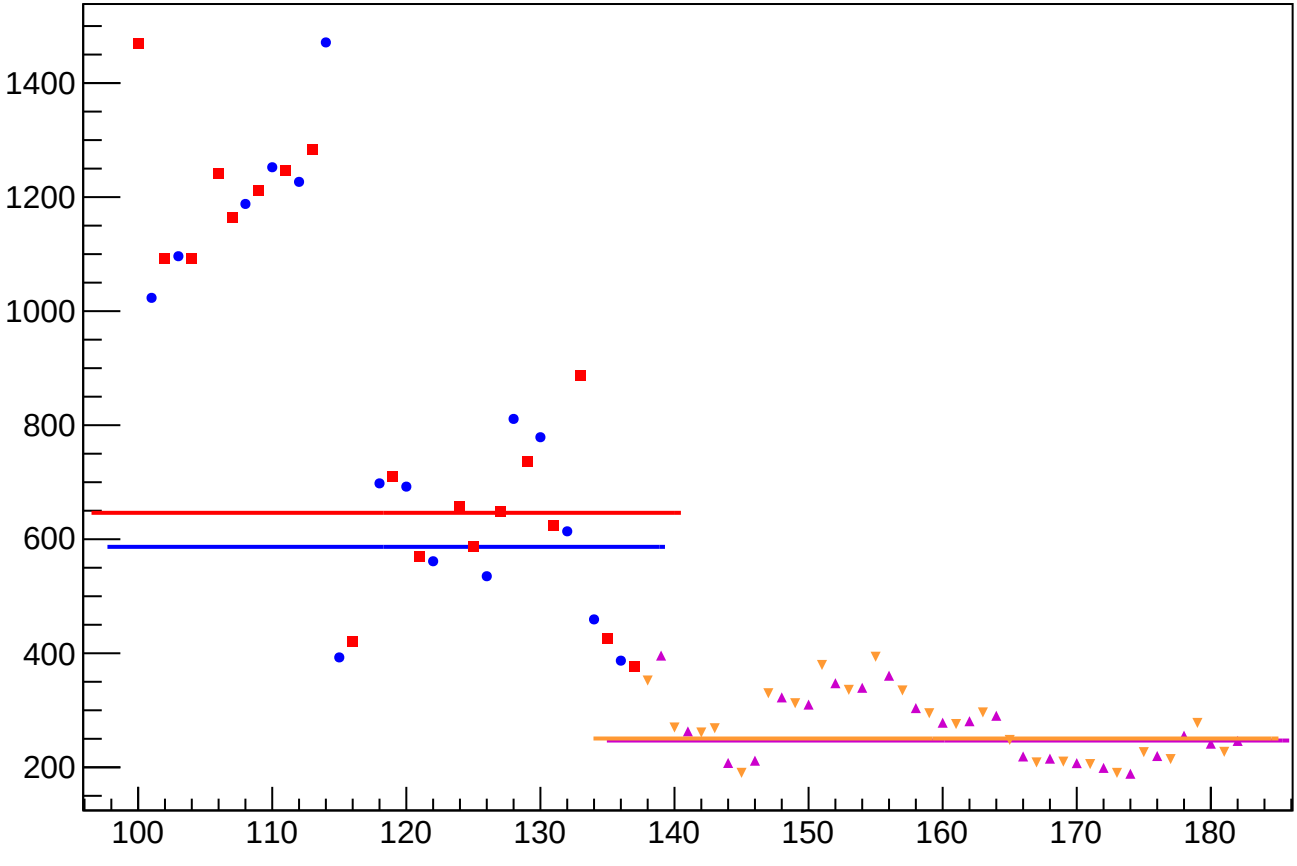
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 16.106+/-57.829 χ^2/NDF:45.0/37

Out: -259.199+/-58.528 χ^2/NDF:83.4/41

All: -119.892+/-41.136 χ^2/NDF: 139.6/79

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: 250.523+/-0.043 χ^2/NDF:1632330.3/22

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 246.955+/-0.042 χ^2/NDF:1483599.4/21

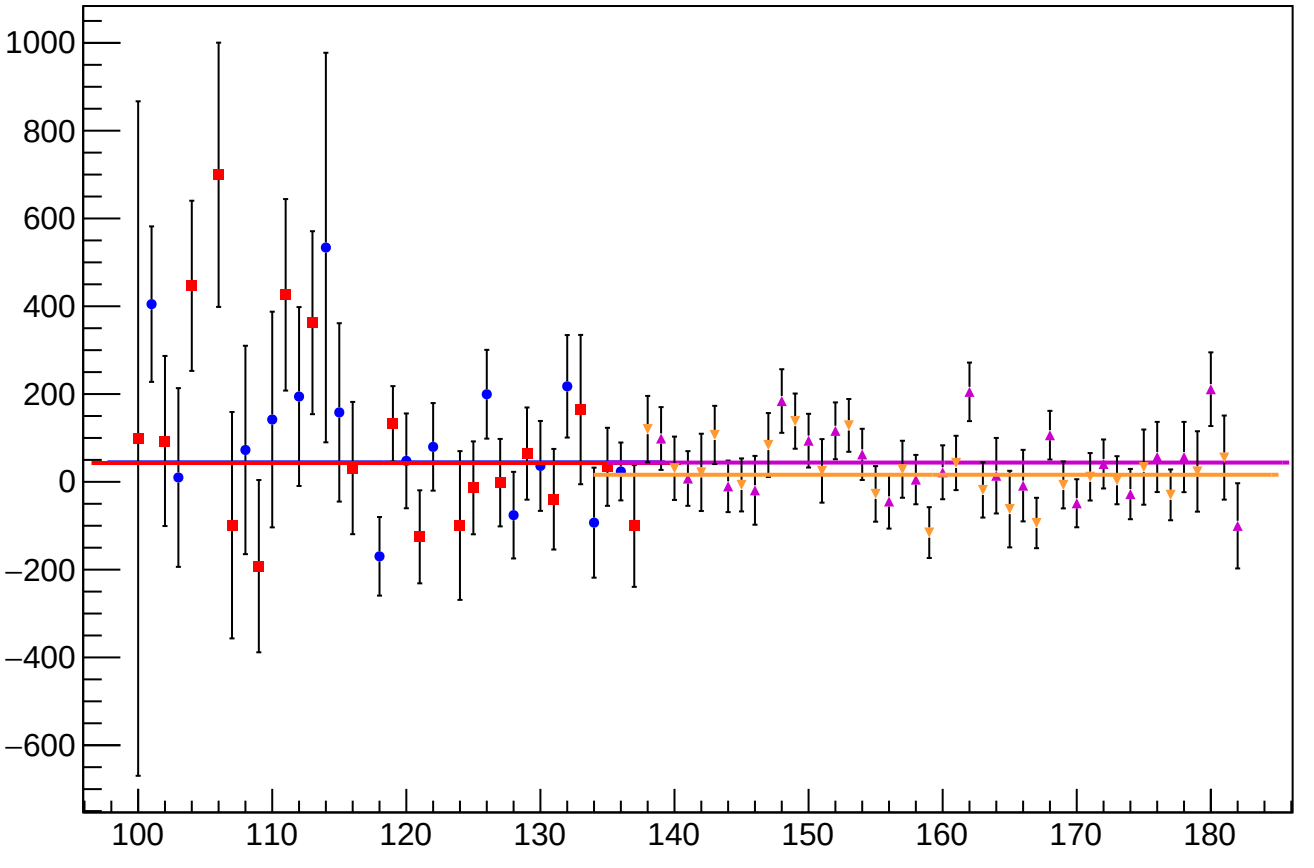
Left: 248.725+/-0.030 χ^2/NDF: 3119479.8/44

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 267.189+/-0.041 χ^2/NDF:7402470.9/37

Out: 271.125+/-0.041 χ^2/NDF:8208751.8/41

All: 269.133+/-0.029 χ^2/NDF: 15615799.8/79



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 16.151+/-13.698 χ^2/NDF:23.8/22

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 43.917+/-14.011 χ^2/NDF:29.1/21

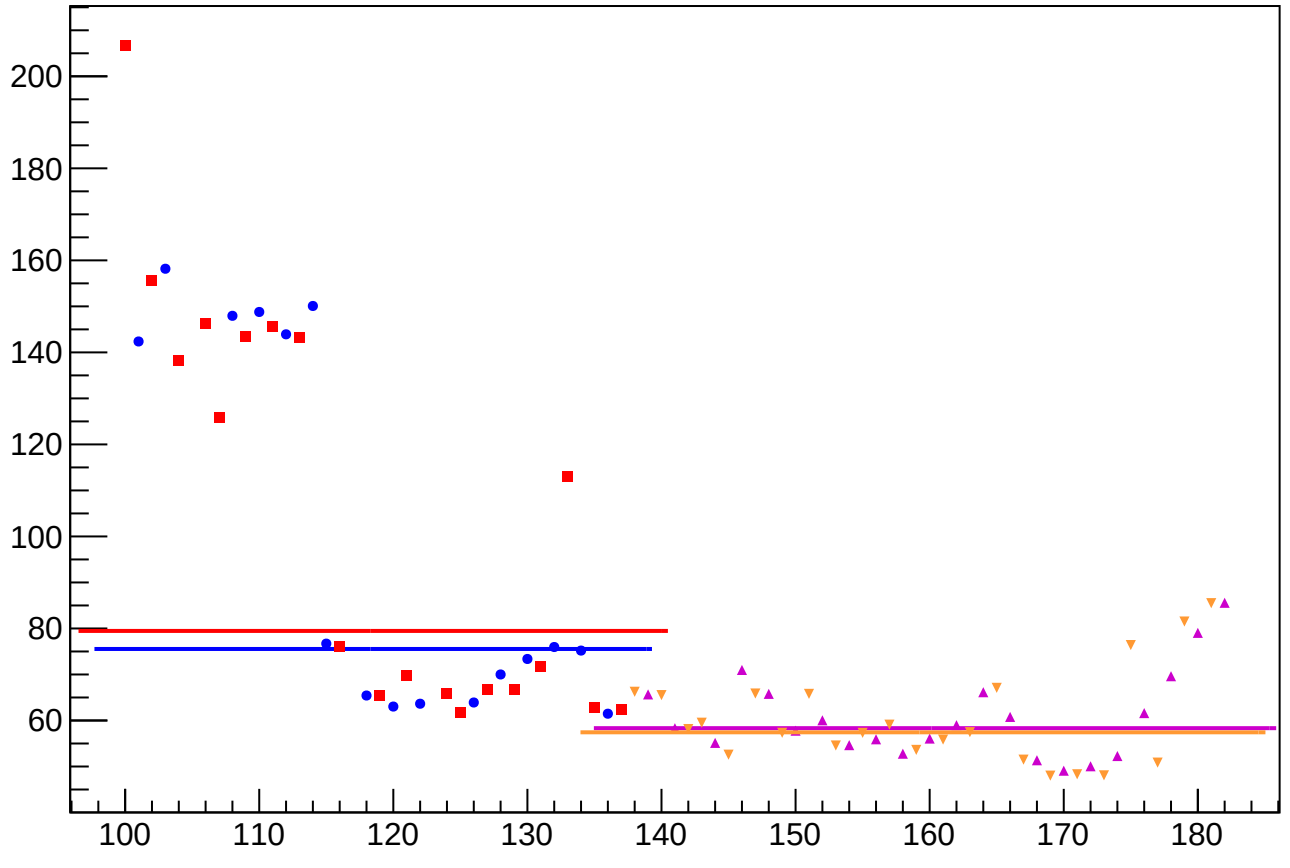
Left: 29.721+/-9.795 χ^2/NDF: 55.0/44

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 44.002+/-12.688 χ^2/NDF:48.7/37

Out: 20.463+/-12.546 χ^2/NDF:47.7/41

All: 32.100+/-8.921 χ^2/NDF: 98.2/79



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 57.432+/-0.010 χ^2/NDF:793530.7/22

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.334+/-0.010 χ^2/NDF:631050.0/21

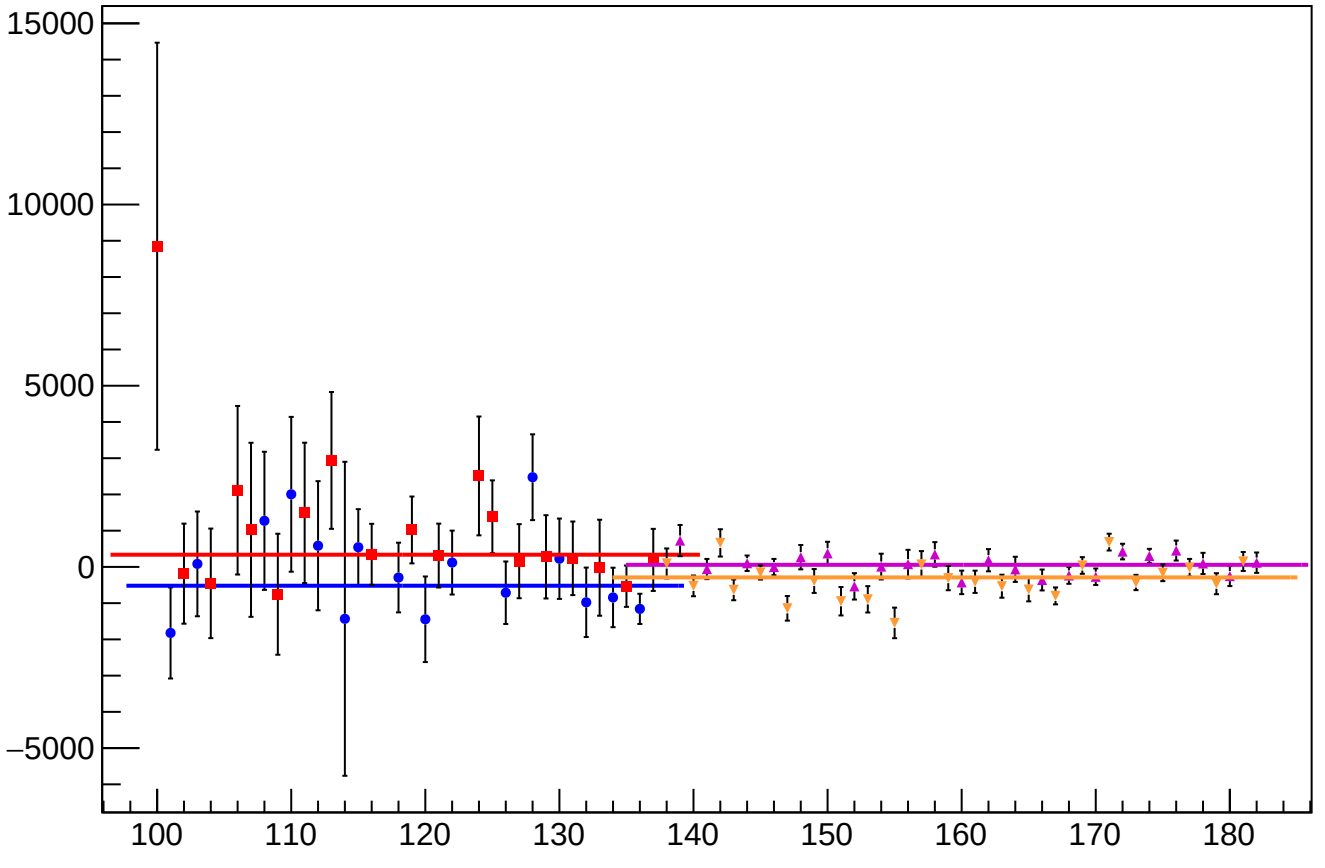
Left: 57.873+/-0.007 χ^2/NDF: 1428820.7/44

Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 61.431+/-0.009 χ^2/NDF:2639663.6/37

Out: 60.984+/-0.009 χ^2/NDF:3311249.1/41

All: 61.205+/-0.006 χ^2/NDF: 5952171.7/79



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -289.541+/-58.924 χ^2/NDF:63.2/22

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 57.600+/-59.122 χ^2/NDF:23.6/21

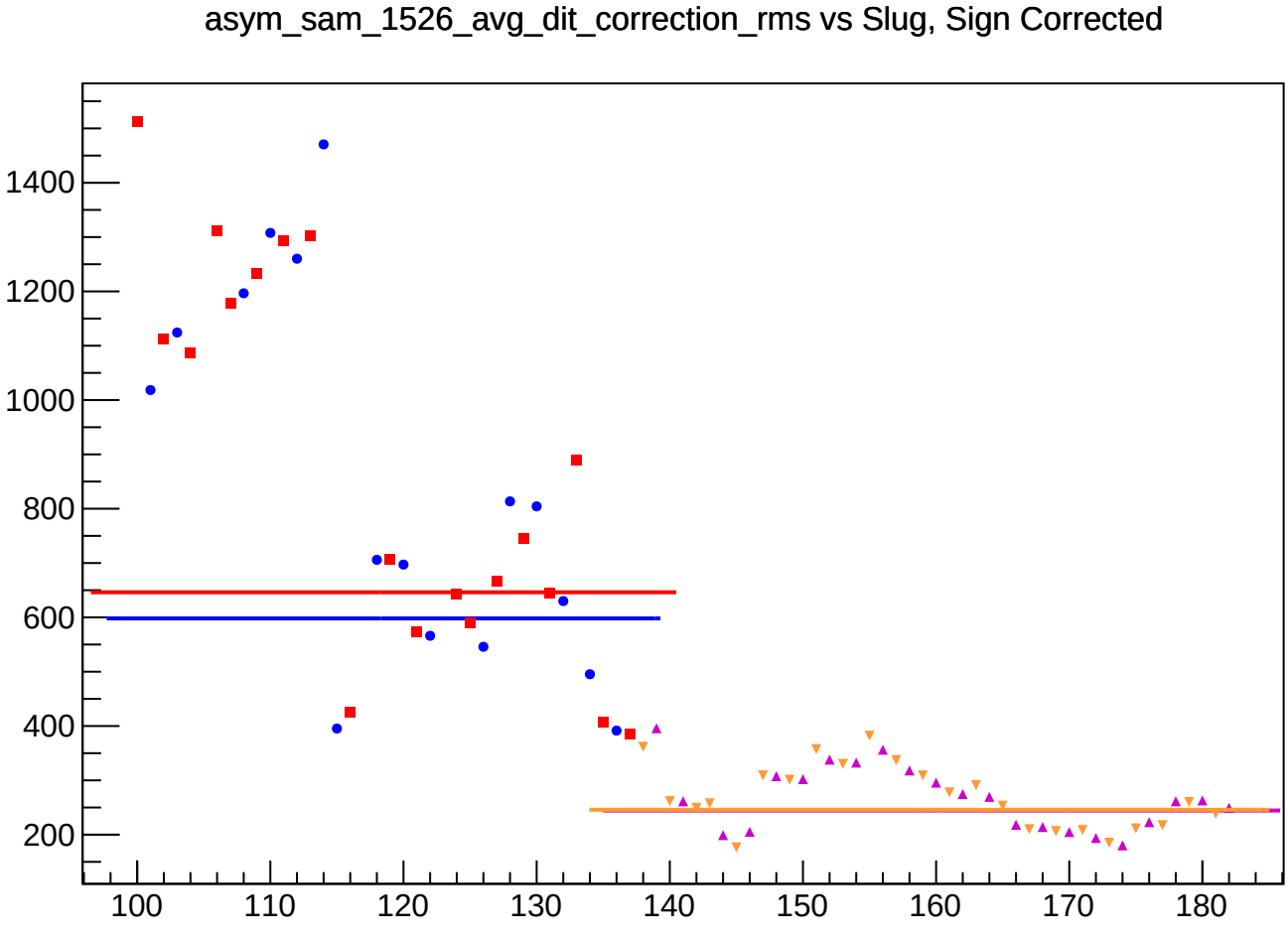
Left: -116.552+/-41.735 χ^2/NDF: 104.1/44

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: 24.936+/-57.423 χ^2/NDF:44.8/37

Out: -258.175+/-57.429 χ^2/NDF:80.7/41

All: -116.605+/-40.607 χ^2/NDF: 137.7/79



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 245.821+/-0.042 χ^2/NDF:1679957.0/22

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 244.449+/-0.042 χ^2/NDF:1596988.0/21

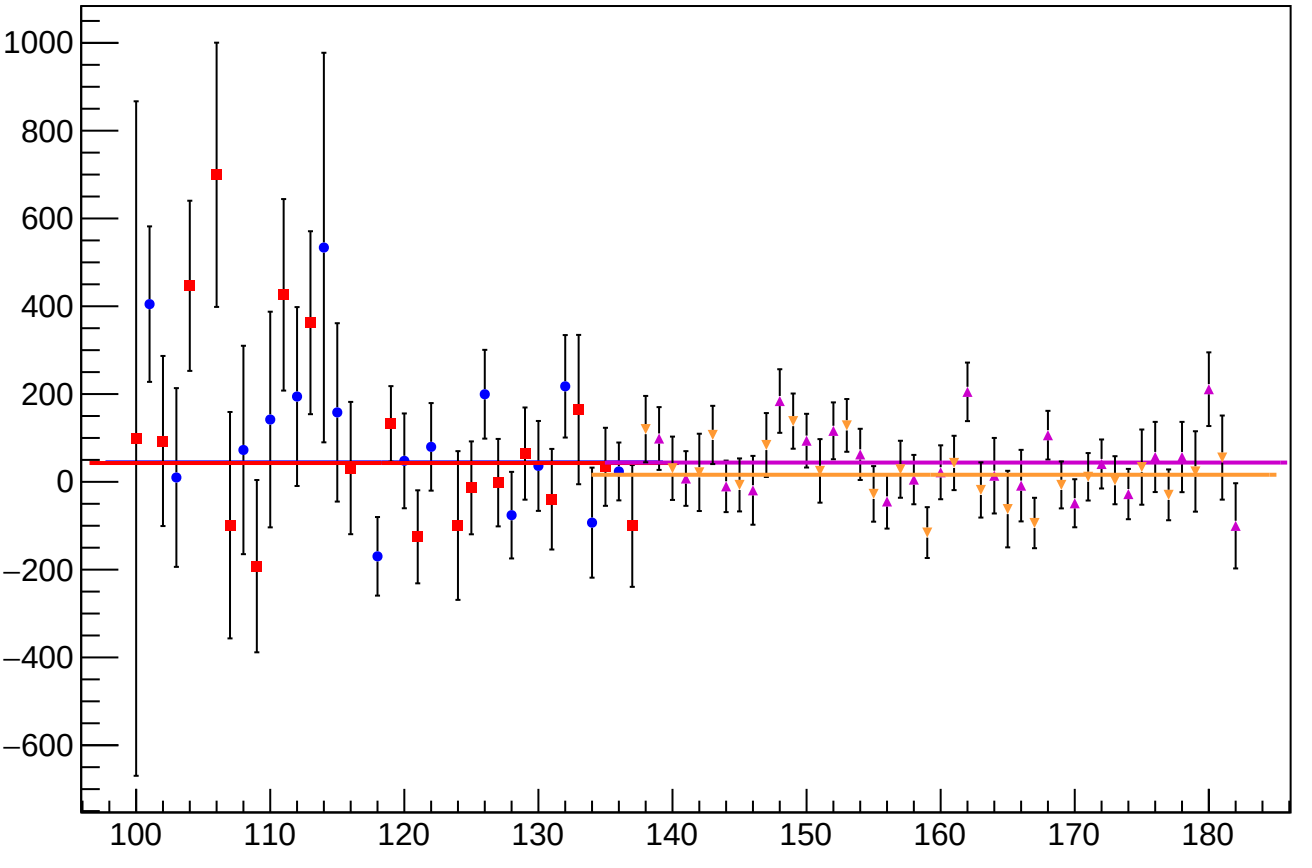
Left: 245.137+/-0.030 χ^2/NDF: 3277484.9/44

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 264.471+/-0.041 χ^2/NDF:7695717.8/37

Out: 265.873+/-0.041 χ^2/NDF:8509879.2/41

All: 265.172+/-0.029 χ^2/NDF: 16206192.5/79



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 16.150+/-13.698 χ^2/NDF:23.8/22

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 43.917+/-14.011 χ^2/NDF:29.1/21

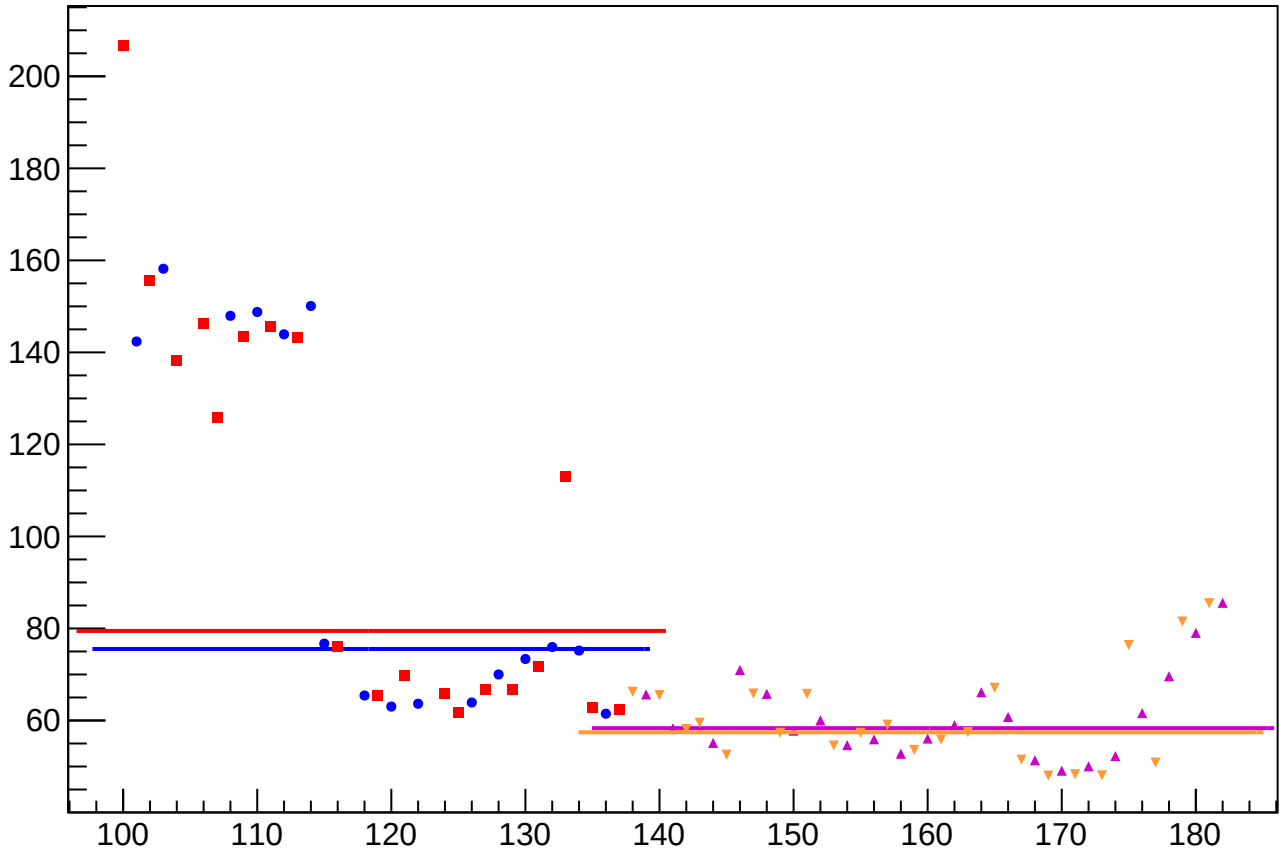
Left: 29.721+/-9.795 χ^2/NDF: 55.0/44

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 44.002+/-12.688 χ^2/NDF:48.7/37

Out: 20.462+/-12.546 χ^2/NDF:47.7/41

All: 32.100+/-8.921 χ^2/NDF: 98.2/79



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 57.432+/-0.010 χ^2/NDF:793535.3/22

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.334+/-0.010 χ^2/NDF:631042.4/21

Left: 57.873+/-0.007 χ^2/NDF: 1428818.4/44

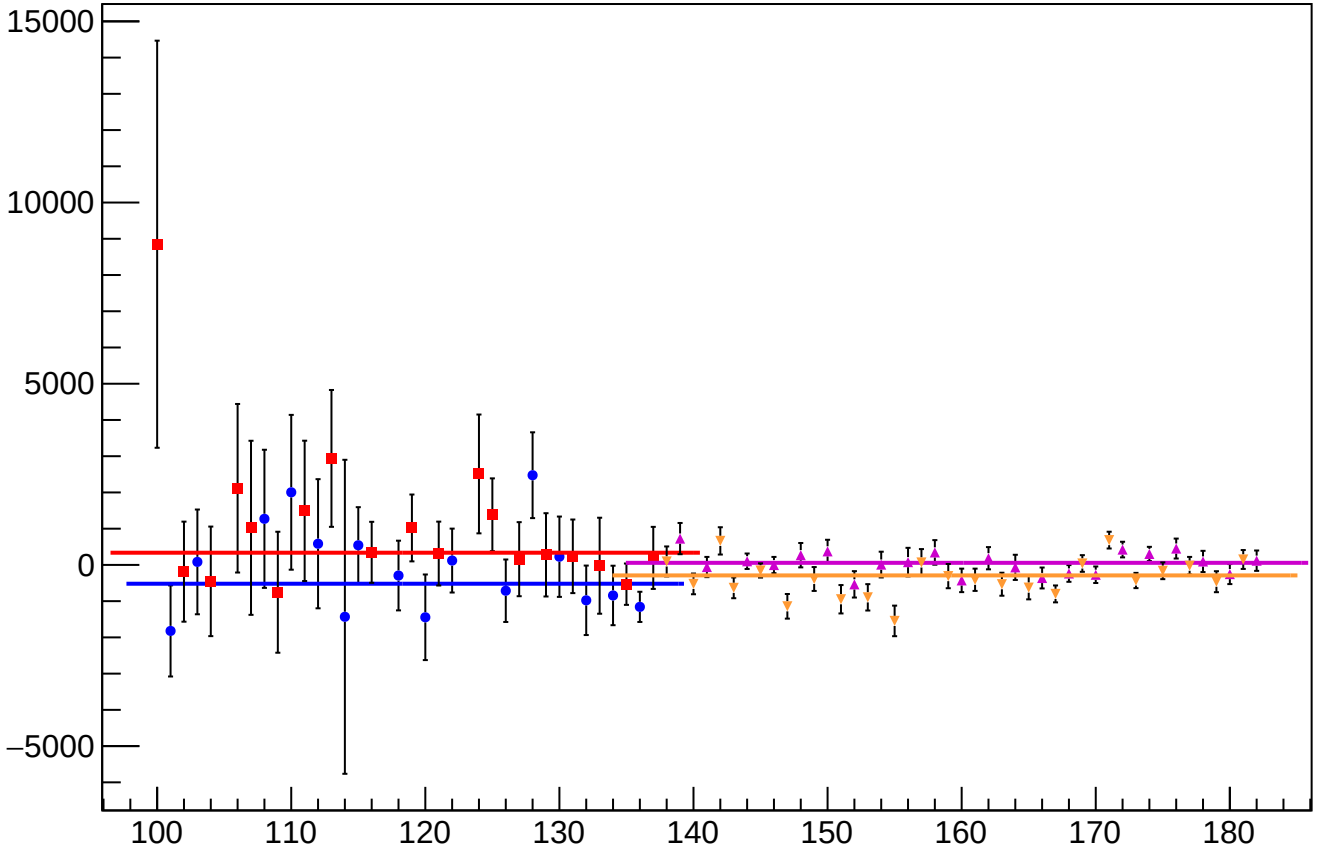
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 61.431+/-0.009 χ^2/NDF:2639614.4/37

Out: 60.984+/-0.009 χ^2/NDF:3311223.0/41

All: 61.205+/-0.006 χ^2/NDF: 5952096.7/79

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: -289.540+/-58.924 χ^2/NDF:63.2/22

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 57.599+/-59.122 χ^2/NDF:23.6/21

Left: -116.552+/-41.735 χ^2/NDF: 104.1/44

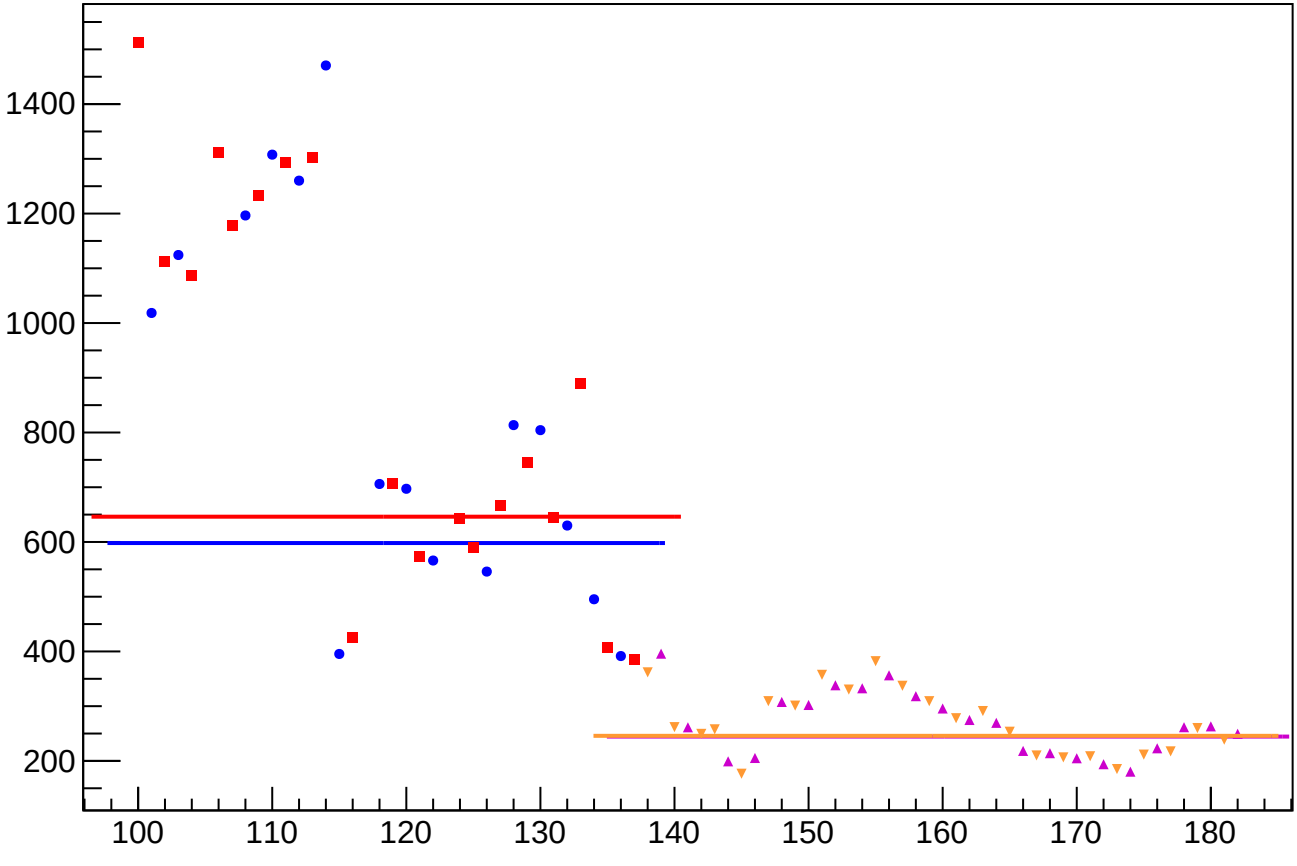
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: 24.936+/-57.423 χ^2/NDF:44.8/37

Out: -258.174+/-57.429 χ^2/NDF:80.7/41

All: -116.604+/-40.606 χ^2/NDF: 137.7/79

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: 245.820+/-0.042 χ^2/NDF:1679957.7/22

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 244.449+/-0.042 χ^2/NDF:1596977.8/21

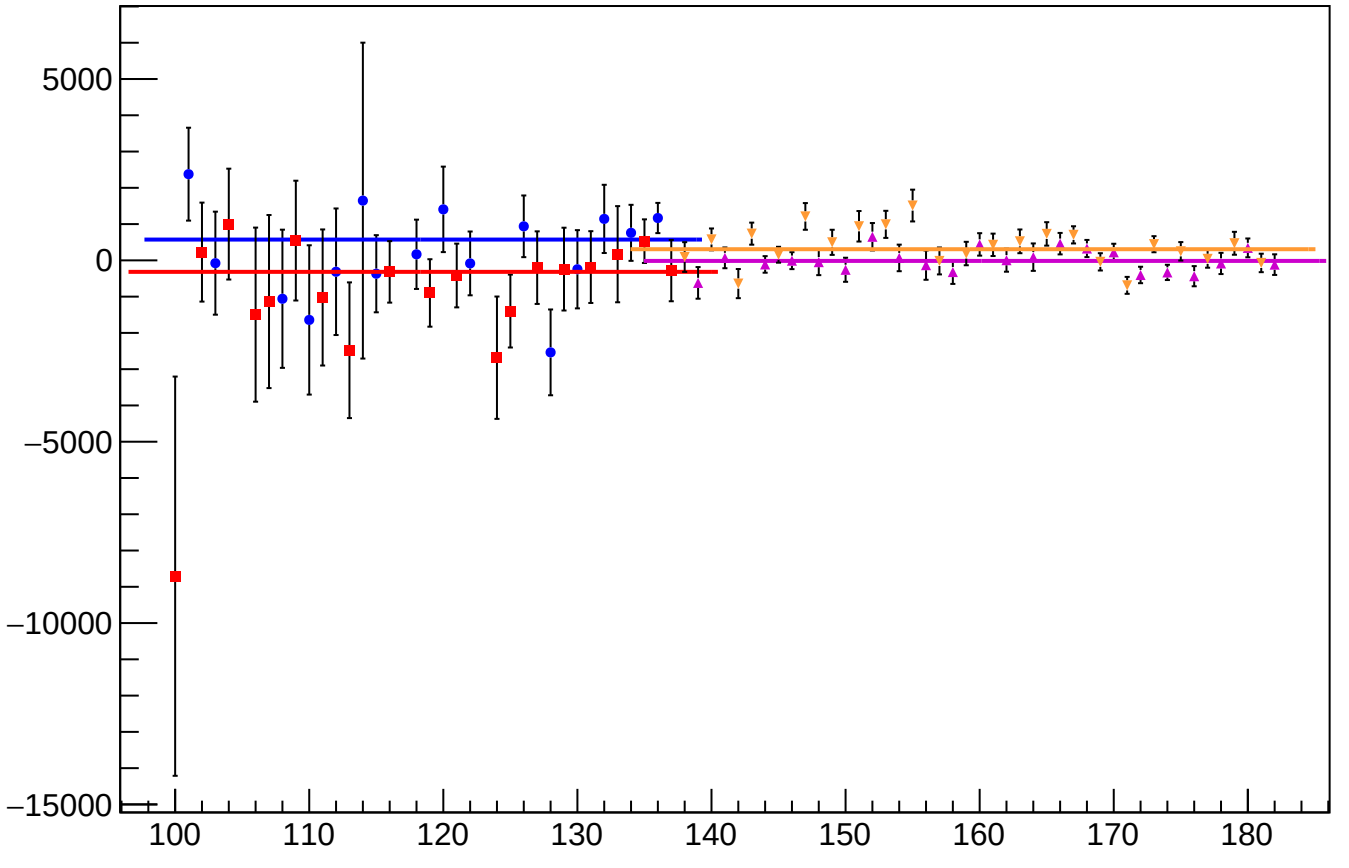
Left: 245.137+/-0.030 χ^2/NDF: 3277475.4/44

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 264.471+/-0.041 χ^2/NDF:7695696.2/37

Out: 265.872+/-0.041 χ^2/NDF:8509877.1/41

All: 265.172+/-0.029 χ^2/NDF: 16206168.5/79



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 307.511+/-61.252 χ^2/NDF:59.1/22

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -15.289+/-60.835 χ^2/NDF:24.4/21

Left: 145.008+/-43.164 χ^2/NDF: 97.4/44

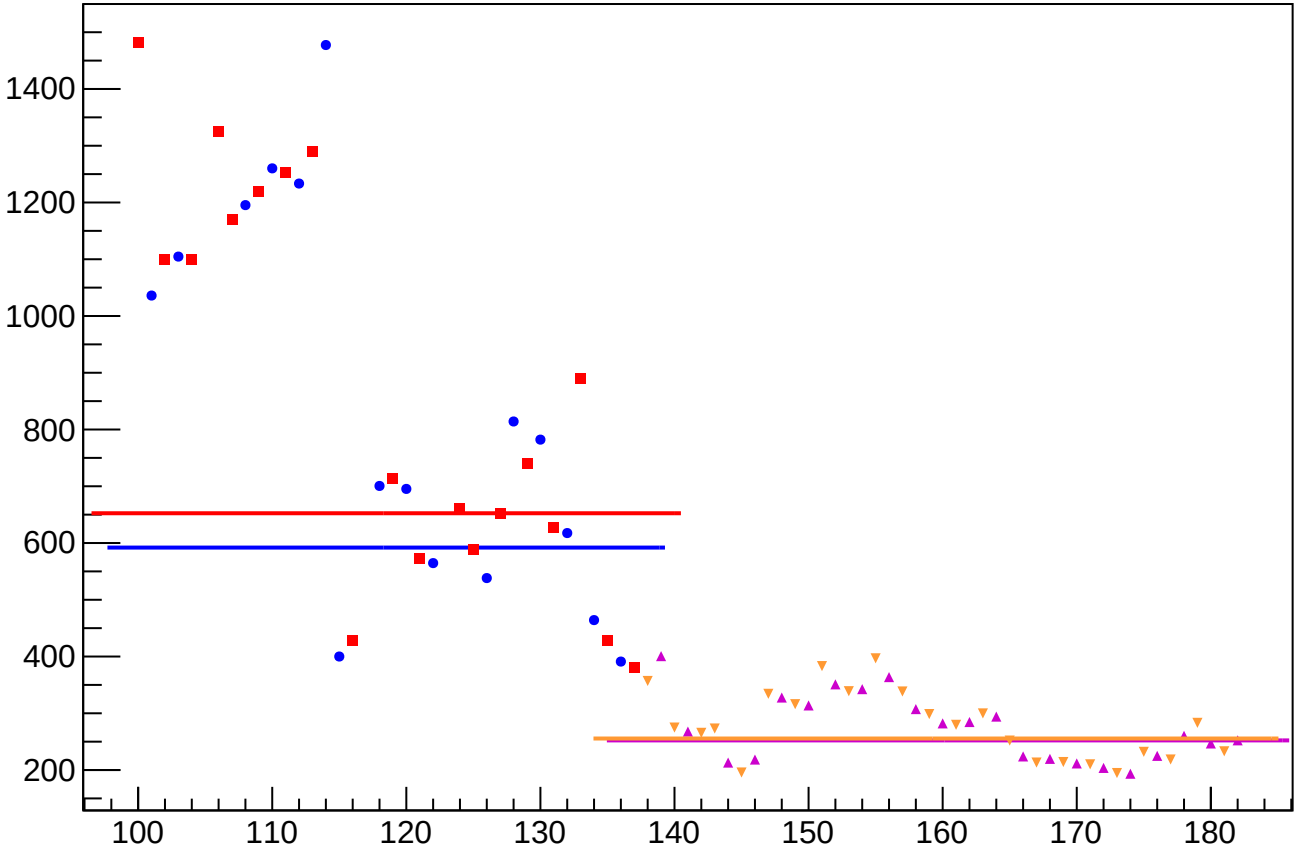
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 20.552+/-58.954 χ^2/NDF:46.7/37

Out: 274.257+/-59.598 χ^2/NDF:75.6/41

All: 146.025+/-41.913 χ^2/NDF: 131.4/79

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 255.551+/-0.043 χ^2/NDF:1560651.3/22

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 252.225+/-0.043 χ^2/NDF:1411229.9/21

Left: 253.877+/-0.031 χ^2/NDF: 2974850.3/44

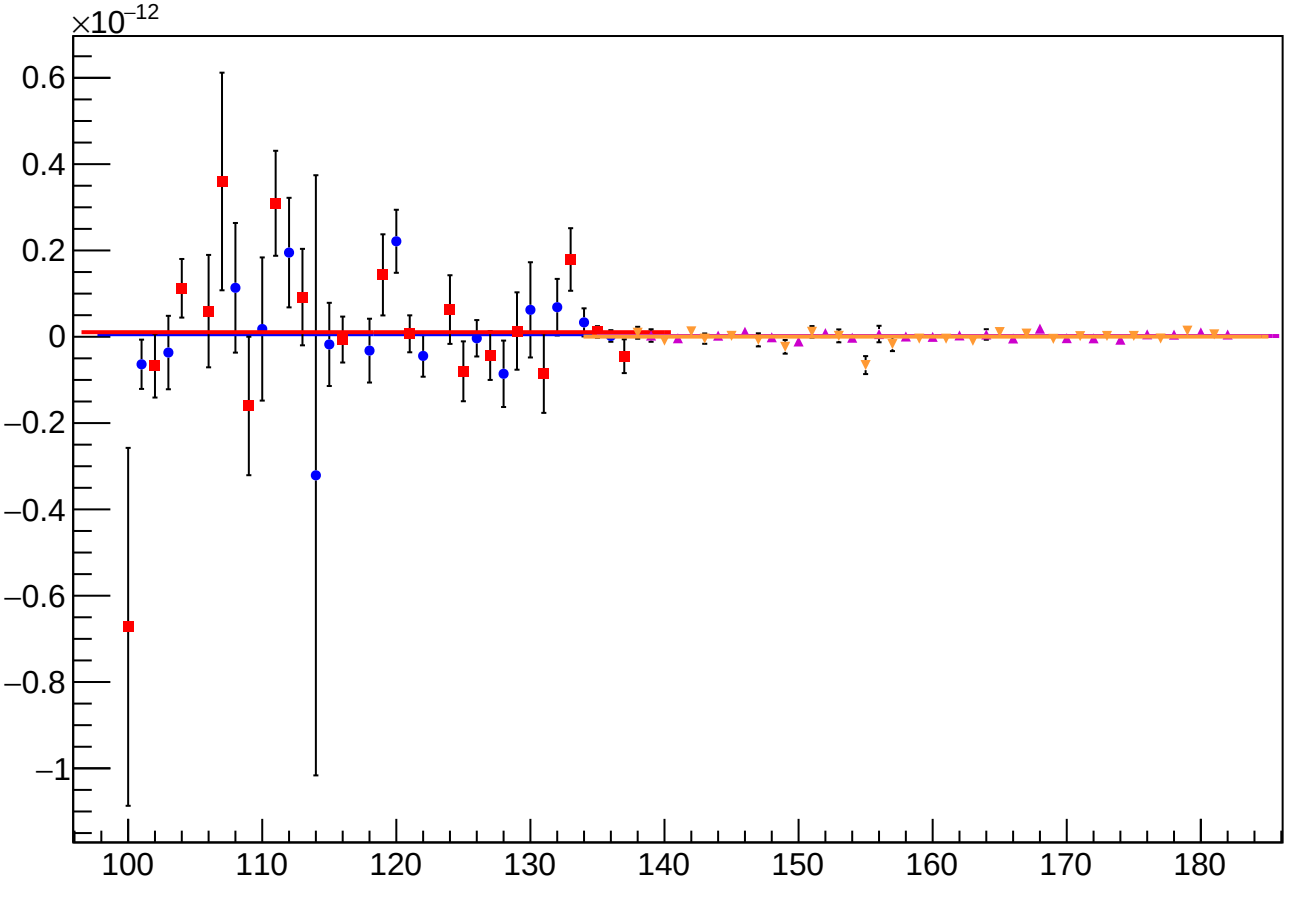
Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 272.911+/-0.042 χ^2/NDF:7244938.7/37

Out: 276.692+/-0.042 χ^2/NDF:8123610.2/41

All: 274.781+/-0.030 χ^2/NDF: 15372617.4/79

asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.7/21

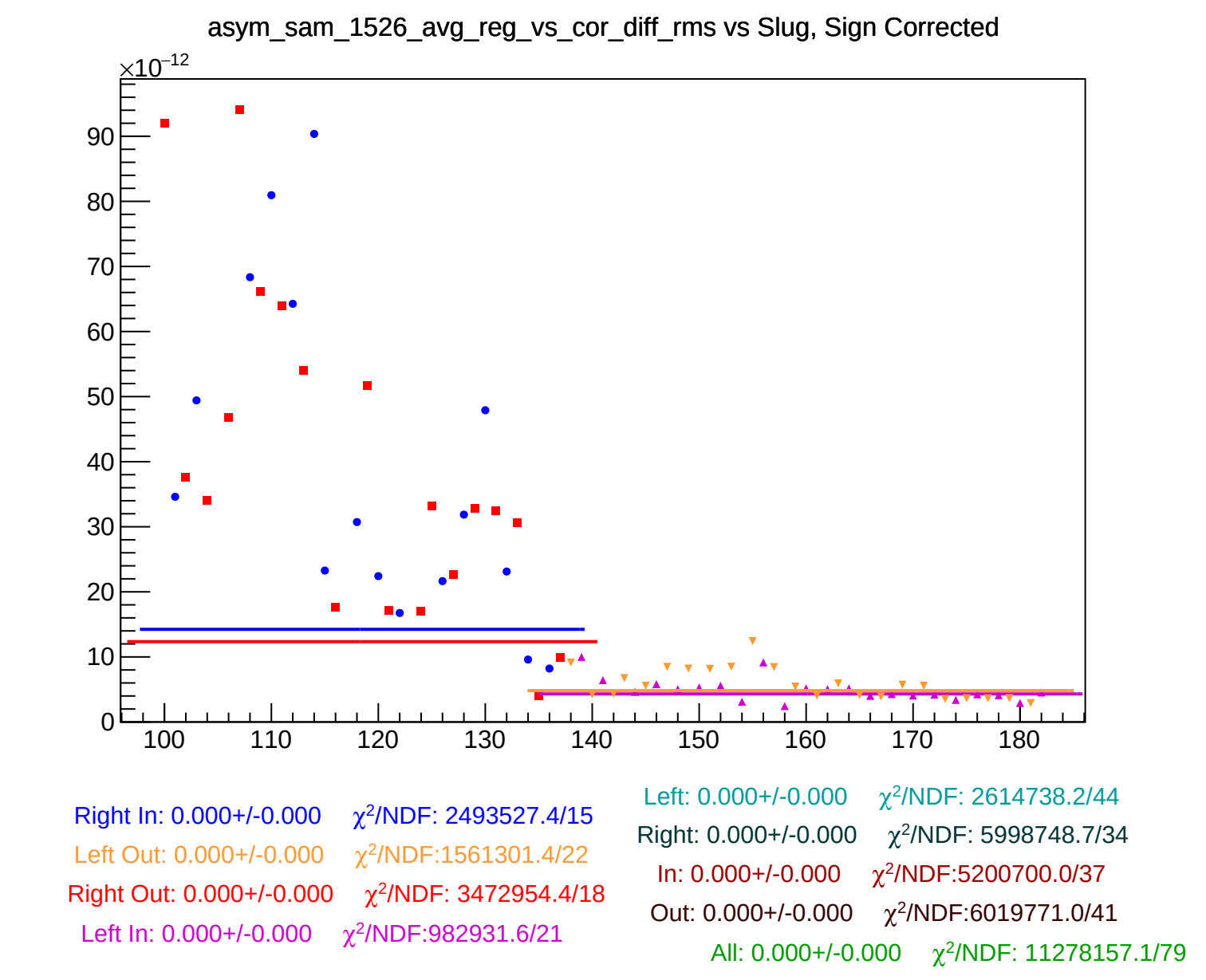
Left: 0.000+/-0.000 χ^2/NDF: 38.6/44

Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

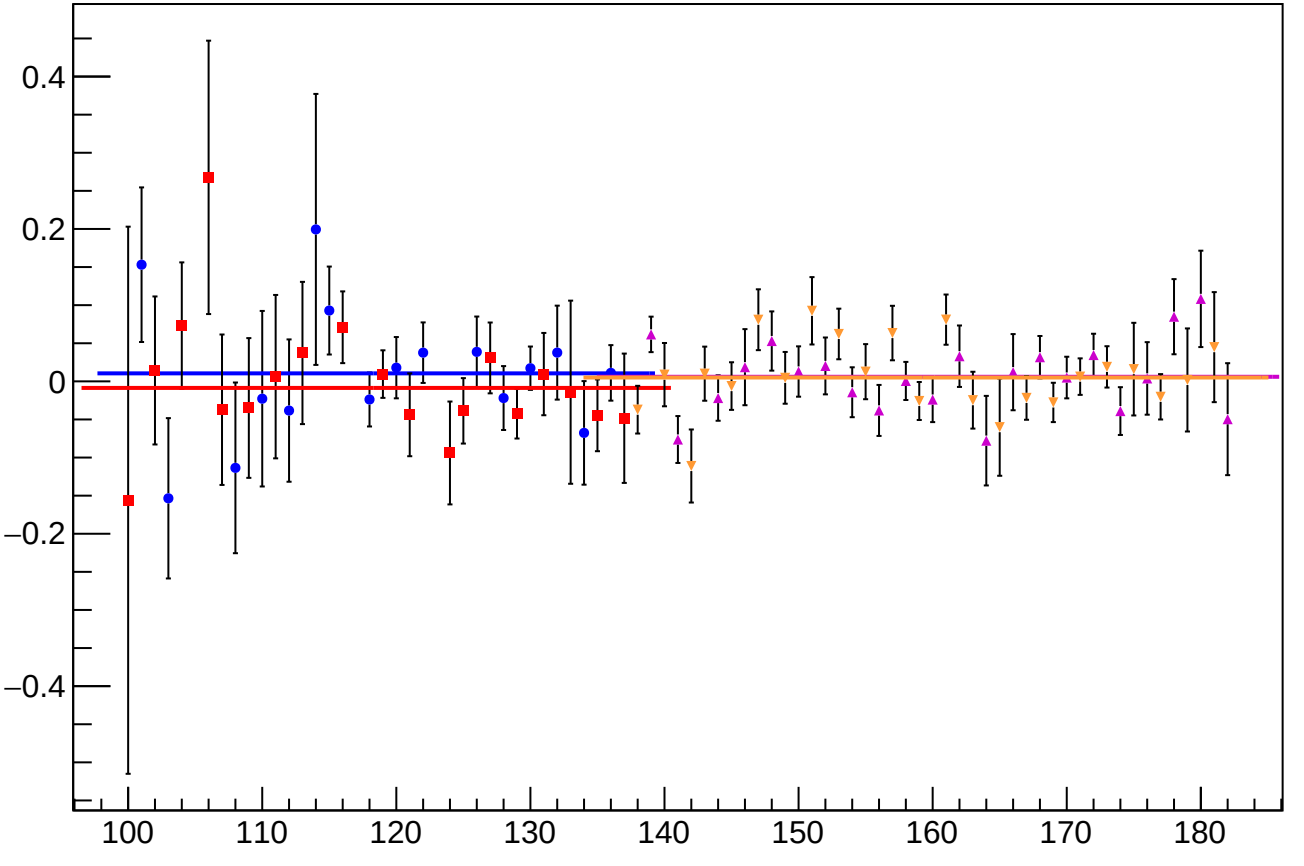
In: 0.000+/-0.000 χ^2/NDF:32.1/37

Out: 0.000+/-0.000 χ^2/NDF:55.1/41

All: 0.000+/-0.000 χ^2/NDF: 87.3/79


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1561301.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:982931.6/21
Left: 0.000+/-0.000 χ²/NDF: 2614738.2/44
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:5200700.0/37
Out: 0.000+/-0.000 χ²/NDF:6019771.0/41
All: 0.000+/-0.000 χ²/NDF: 11278157.1/79

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.4/22

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.006+/-0.007 χ^2/NDF:30.8/21

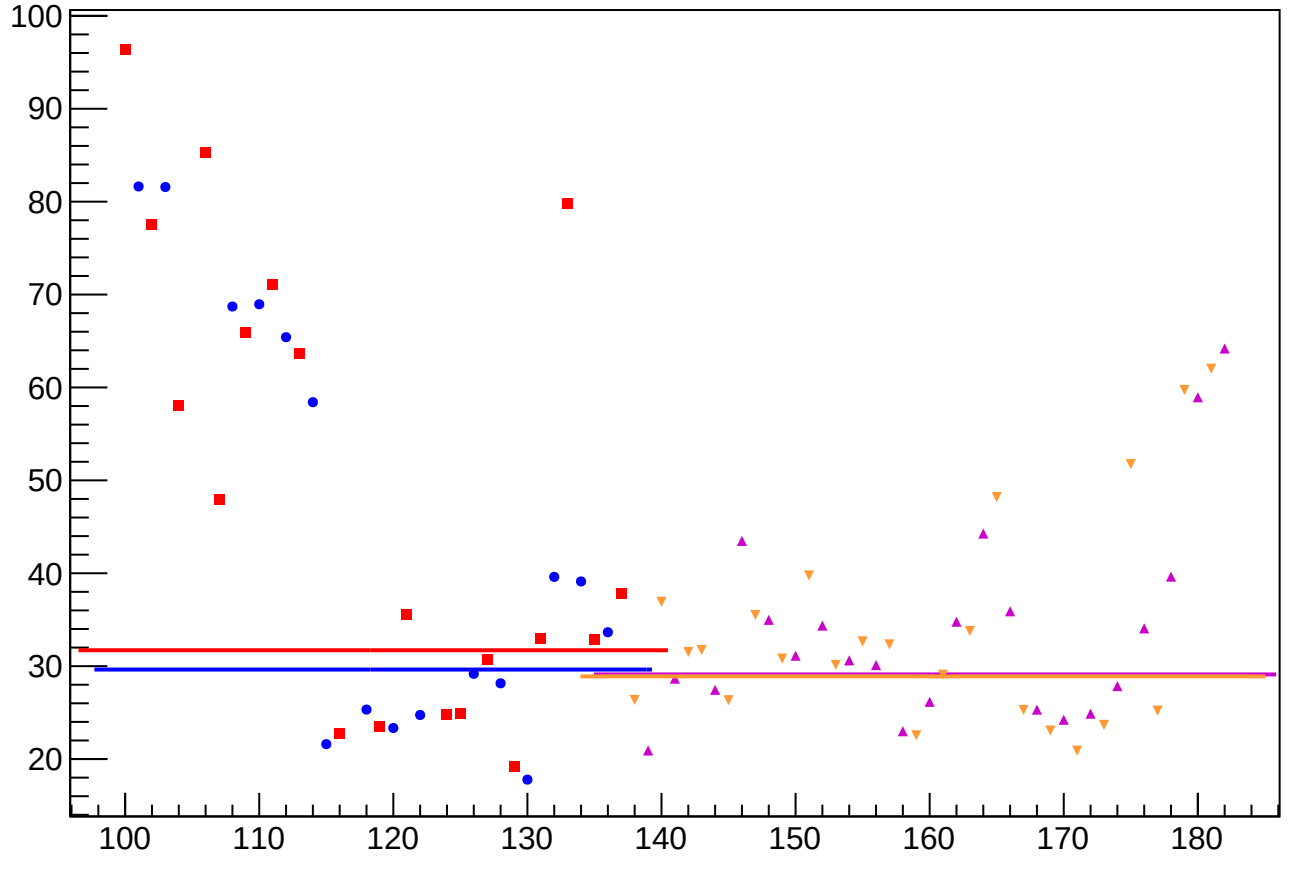
Left: 0.006+/-0.005 χ^2/NDF: 64.2/44

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:44.1/37

Out: 0.002+/-0.006 χ^2/NDF:46.6/41

All: 0.005+/-0.004 χ^2/NDF: 91.0/79



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.899+/-0.005 χ^2/NDF:2272201.9/22

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.108+/-0.005 χ^2/NDF:2031779.3/21

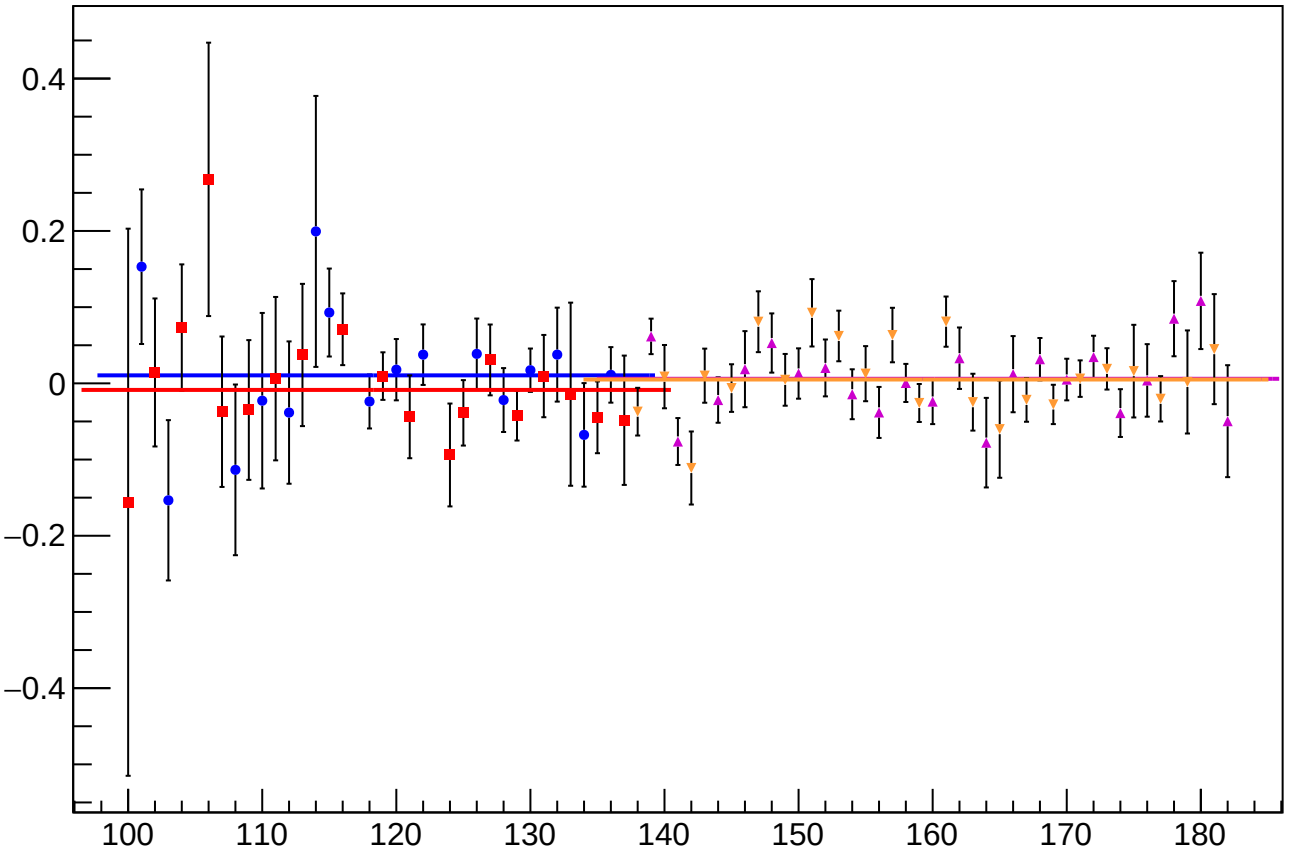
Left: 29.002+/-0.004 χ^2/NDF: 4304812.1/44

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.241+/-0.004 χ^2/NDF:4482880.2/37

Out: 29.538+/-0.004 χ^2/NDF:4993456.1/41

All: 29.389+/-0.003 χ^2/NDF: 9478554.0/79



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.4/22

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.006+/-0.007 χ^2/NDF:30.8/21

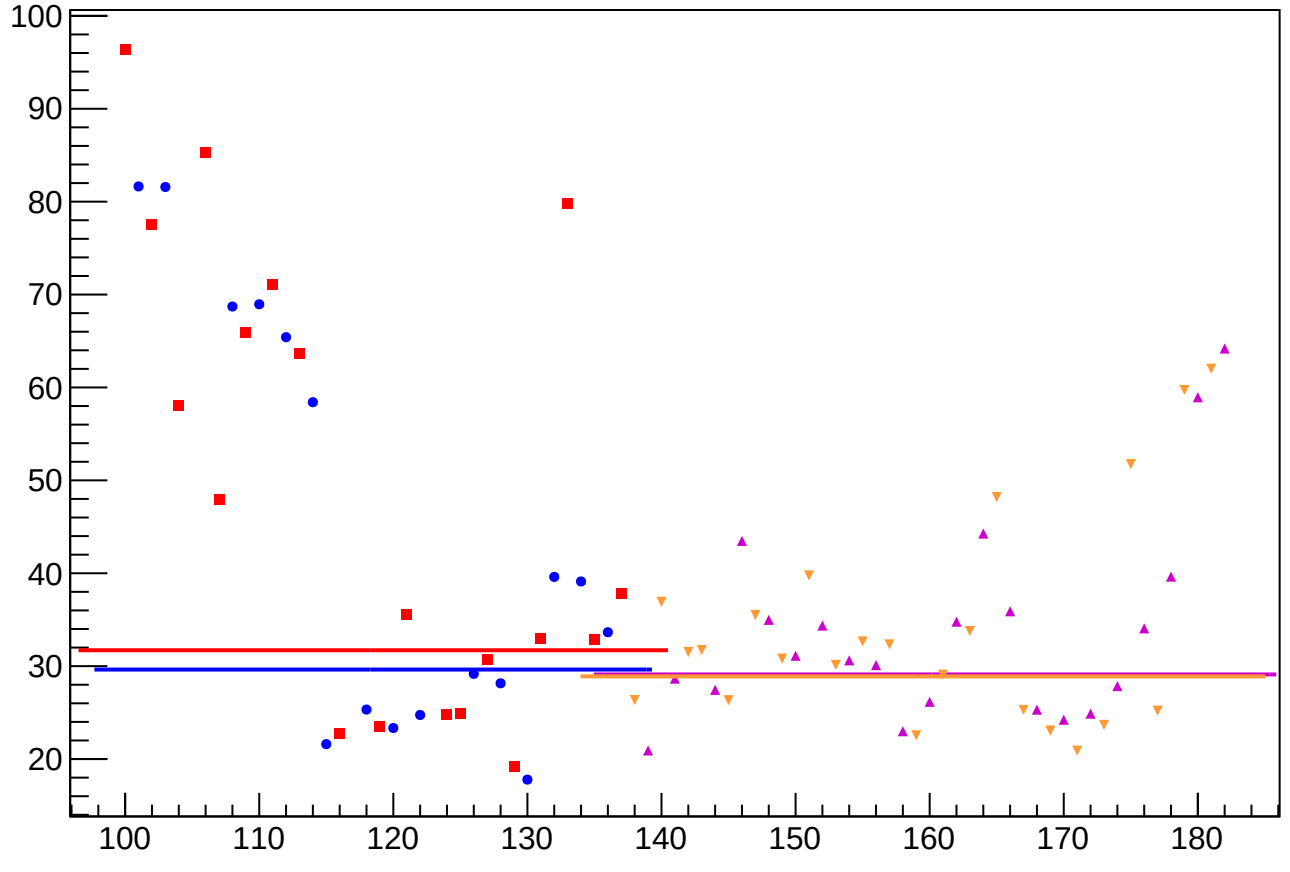
Left: 0.006+/-0.005 χ^2/NDF: 64.2/44

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:44.1/37

Out: 0.002+/-0.006 χ^2/NDF:46.6/41

All: 0.005+/-0.004 χ^2/NDF: 91.0/79



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.899+/-0.005 χ^2/NDF:2272201.9/22

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.108+/-0.005 χ^2/NDF:2031779.3/21

Left: 29.002+/-0.004 χ^2/NDF: 4304812.1/44

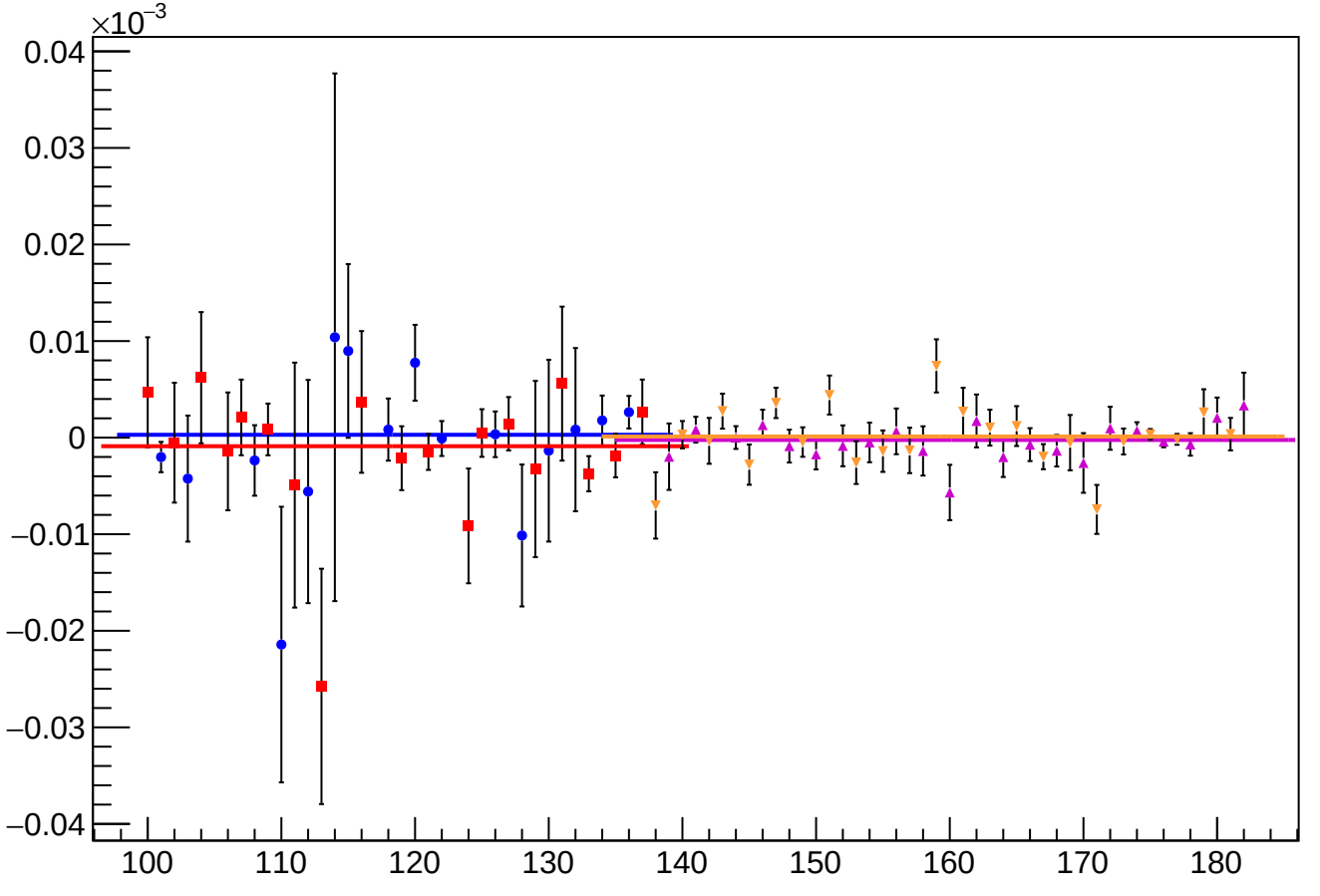
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.241+/-0.004 χ^2/NDF:4482880.2/37

Out: 29.538+/-0.004 χ^2/NDF:4993456.1/41

All: 29.389+/-0.003 χ^2/NDF: 9478554.0/79

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/22

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.3/21

Left: -0.000+/-0.000 χ^2/NDF: 56.2/44

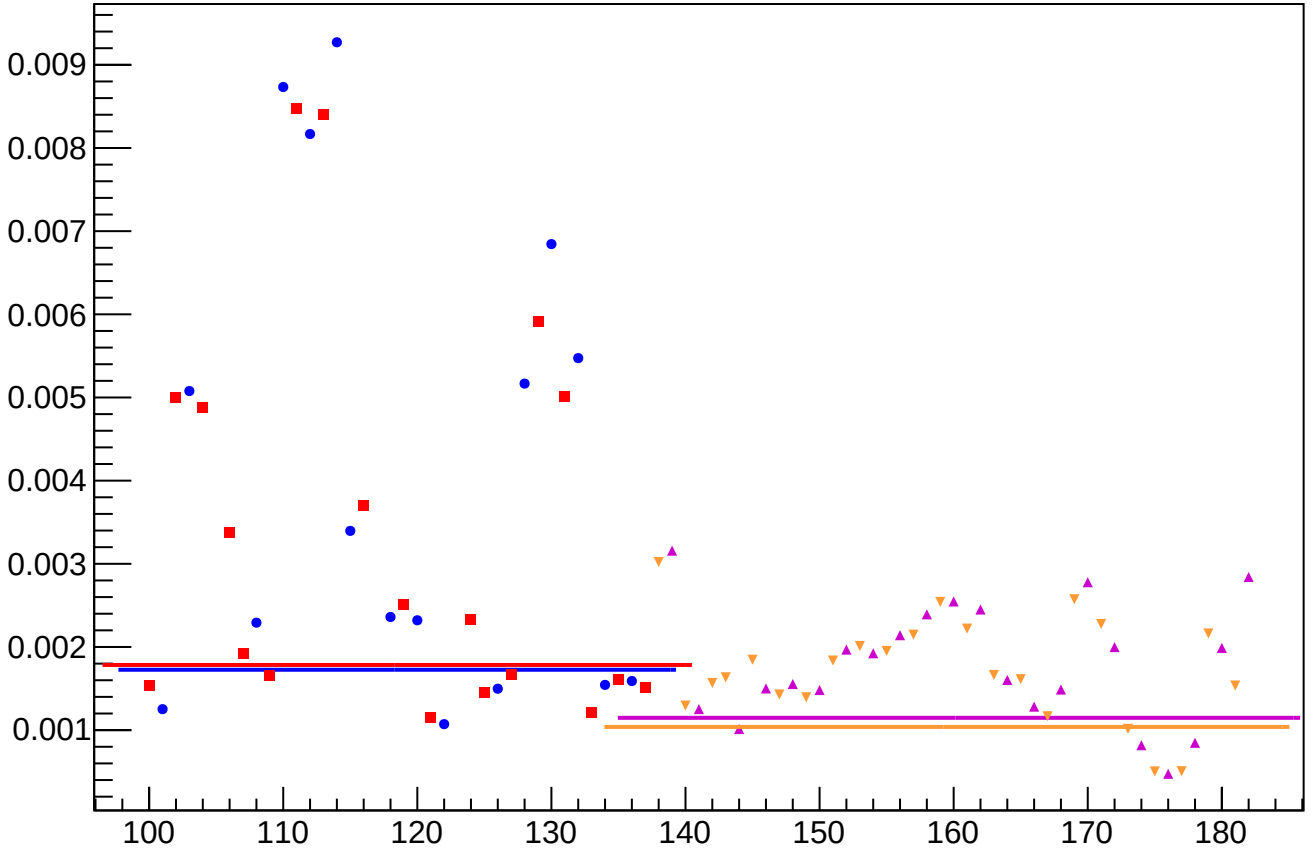
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:28.5/37

Out: -0.000+/-0.000 χ^2/NDF:59.0/41

All: -0.000+/-0.000 χ^2/NDF: 87.7/79

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9815677.8/22

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:8275333.5/21

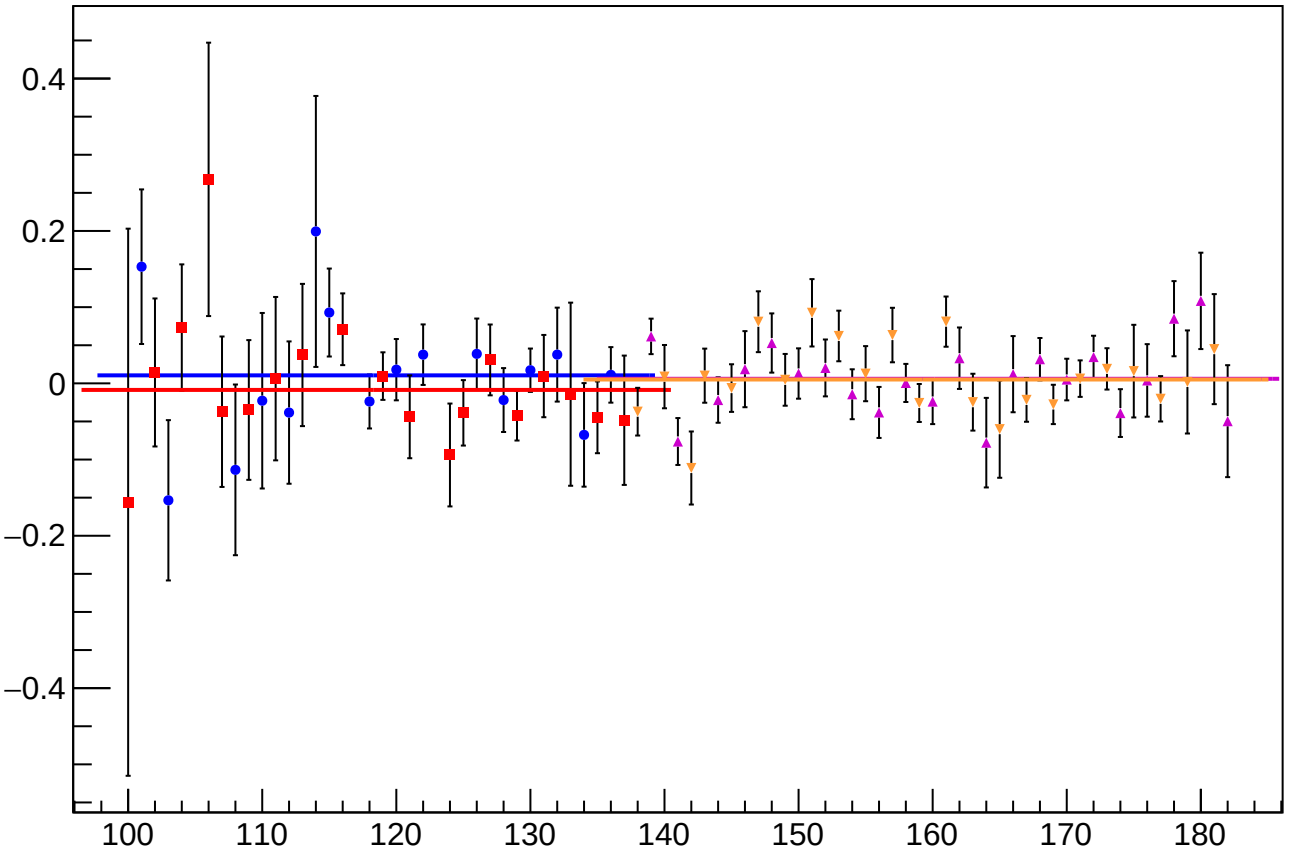
Left: 0.001+/-0.000 χ^2/NDF: 18222814.1/44

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.001+/-0.000 χ^2/NDF:13190262.8/37

Out: 0.001+/-0.000 χ^2/NDF:15156079.5/41

All: 0.001+/-0.000 χ^2/NDF: 28483975.3/79



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.4/22

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.006+/-0.007 χ^2/NDF:30.8/21

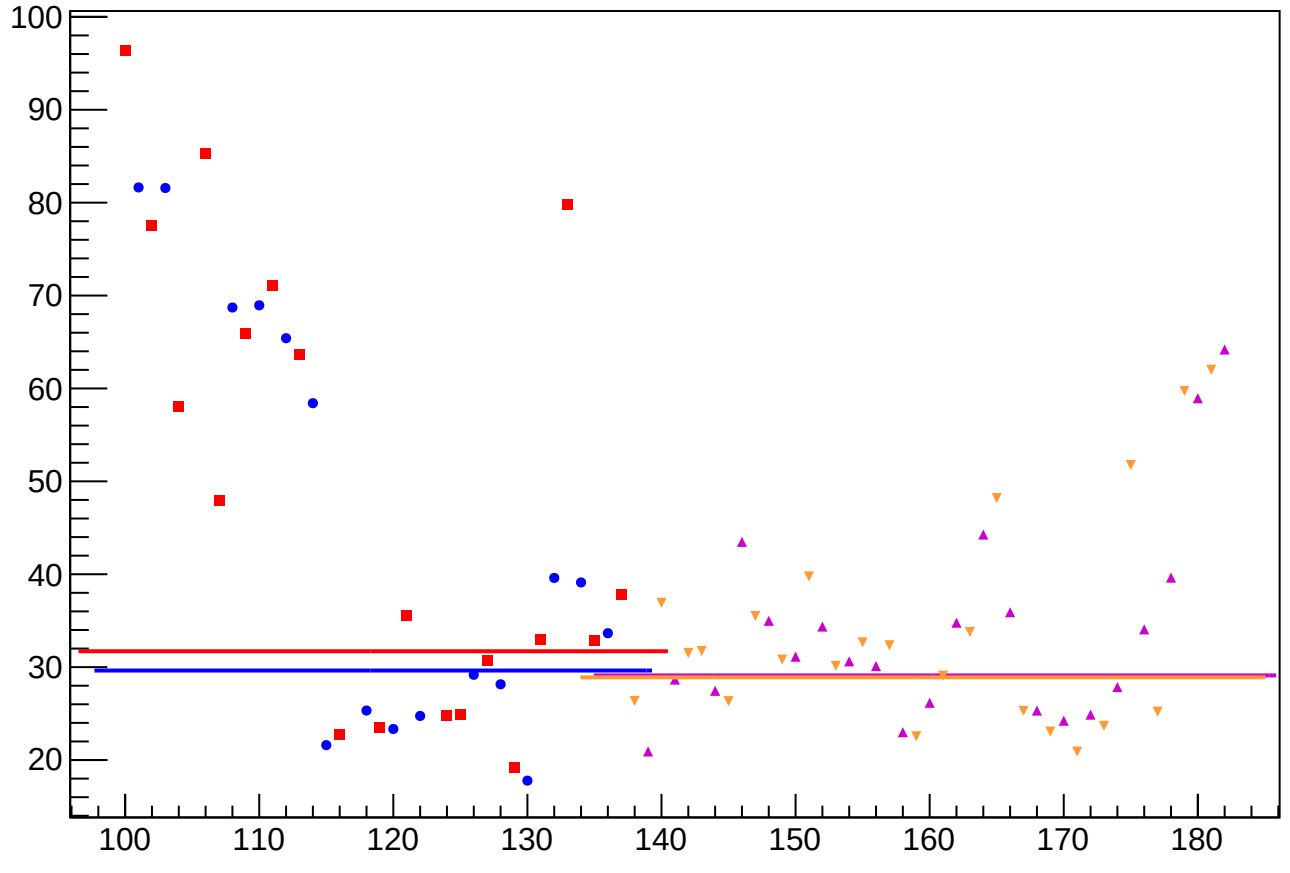
Left: 0.006+/-0.005 χ^2/NDF: 64.2/44

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:44.1/37

Out: 0.002+/-0.006 χ^2/NDF:46.6/41

All: 0.005+/-0.004 χ^2/NDF: 91.0/79



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.899+/-0.005 χ^2/NDF:2272240.1/22

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.108+/-0.005 χ^2/NDF:2031747.5/21

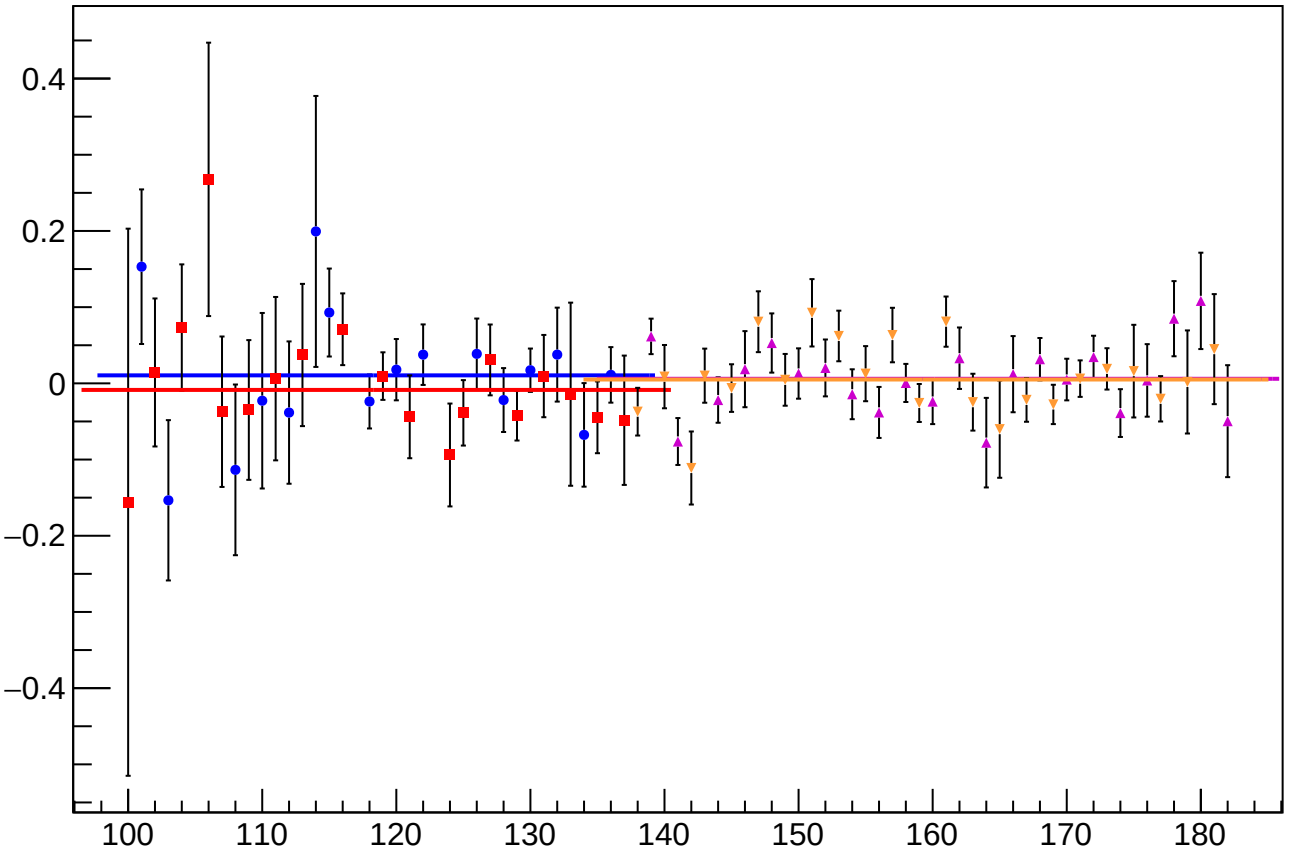
Left: 29.002+/-0.004 χ^2/NDF: 4304820.2/44

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 29.241+/-0.004 χ^2/NDF:4483034.8/37

Out: 29.537+/-0.004 χ^2/NDF:4993594.3/41

All: 29.389+/-0.003 χ^2/NDF: 9478845.2/79



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.4/22

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.006+/-0.007 χ^2/NDF:30.8/21

Left: 0.006+/-0.005 χ^2/NDF: 64.2/44

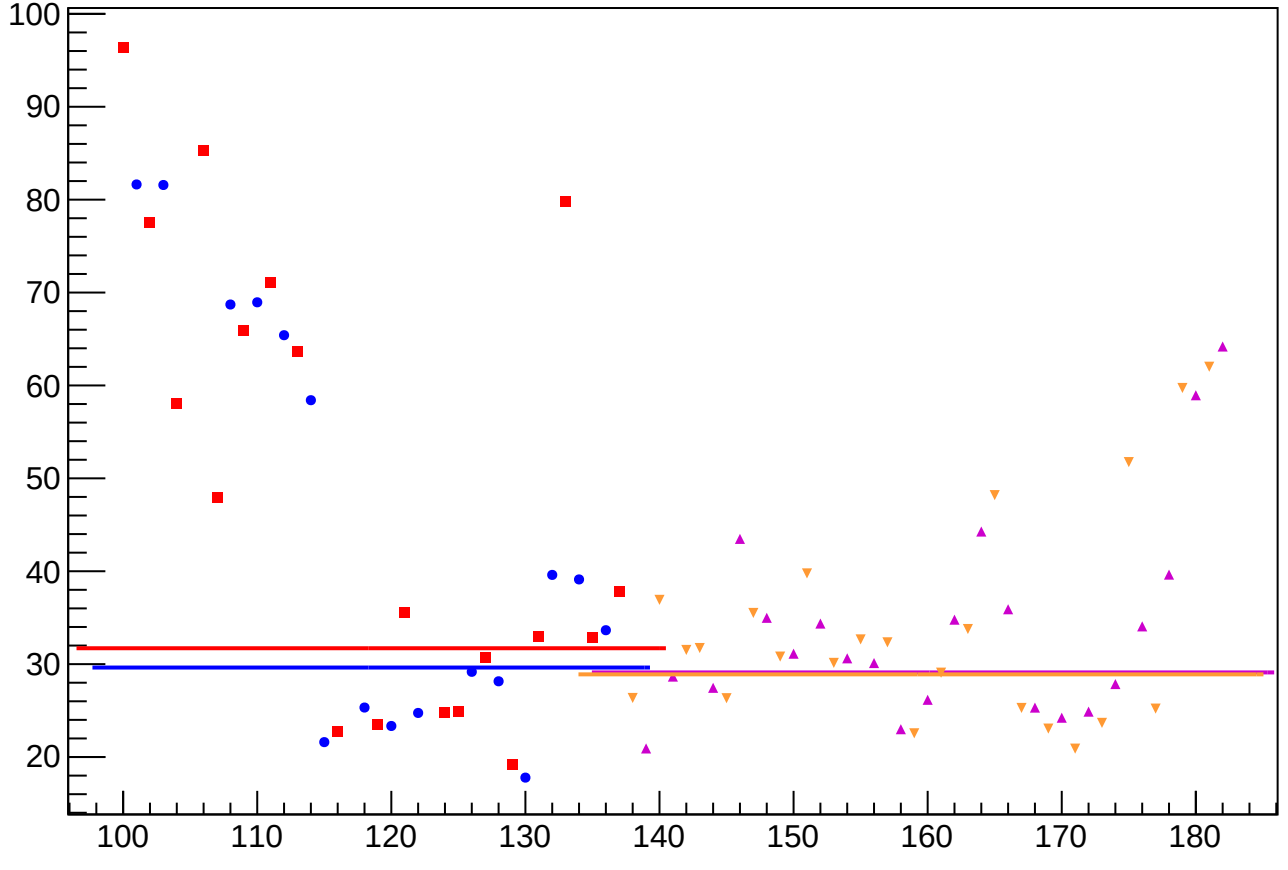
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:44.1/37

Out: 0.002+/-0.006 χ^2/NDF:46.6/41

All: 0.005+/-0.004 χ^2/NDF: 91.0/79

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: 28.899+/-0.005 χ^2/NDF:2272240.1/22

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.108+/-0.005 χ^2/NDF:2031747.5/21

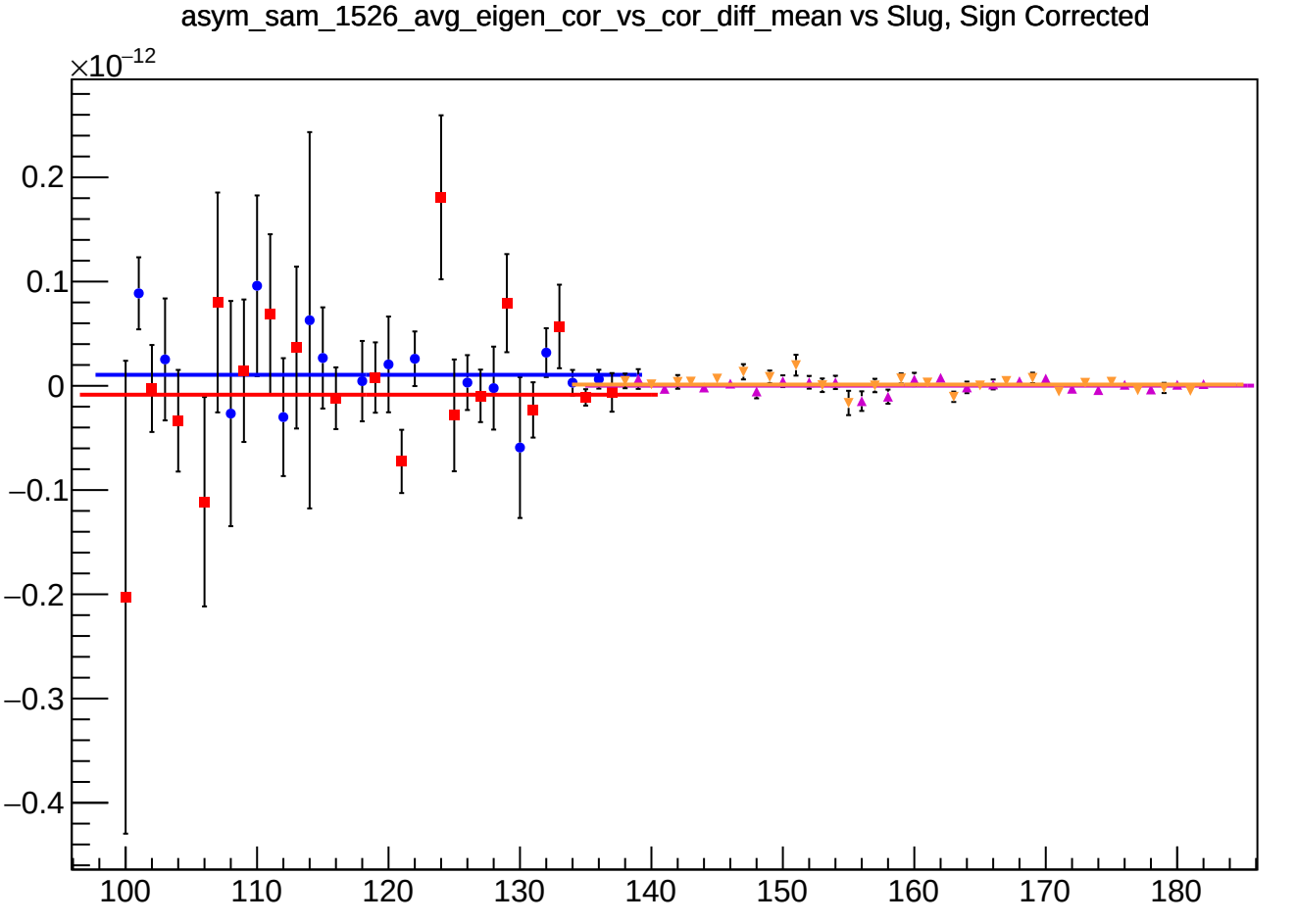
Left: 29.002+/-0.004 χ^2/NDF: 4304820.2/44

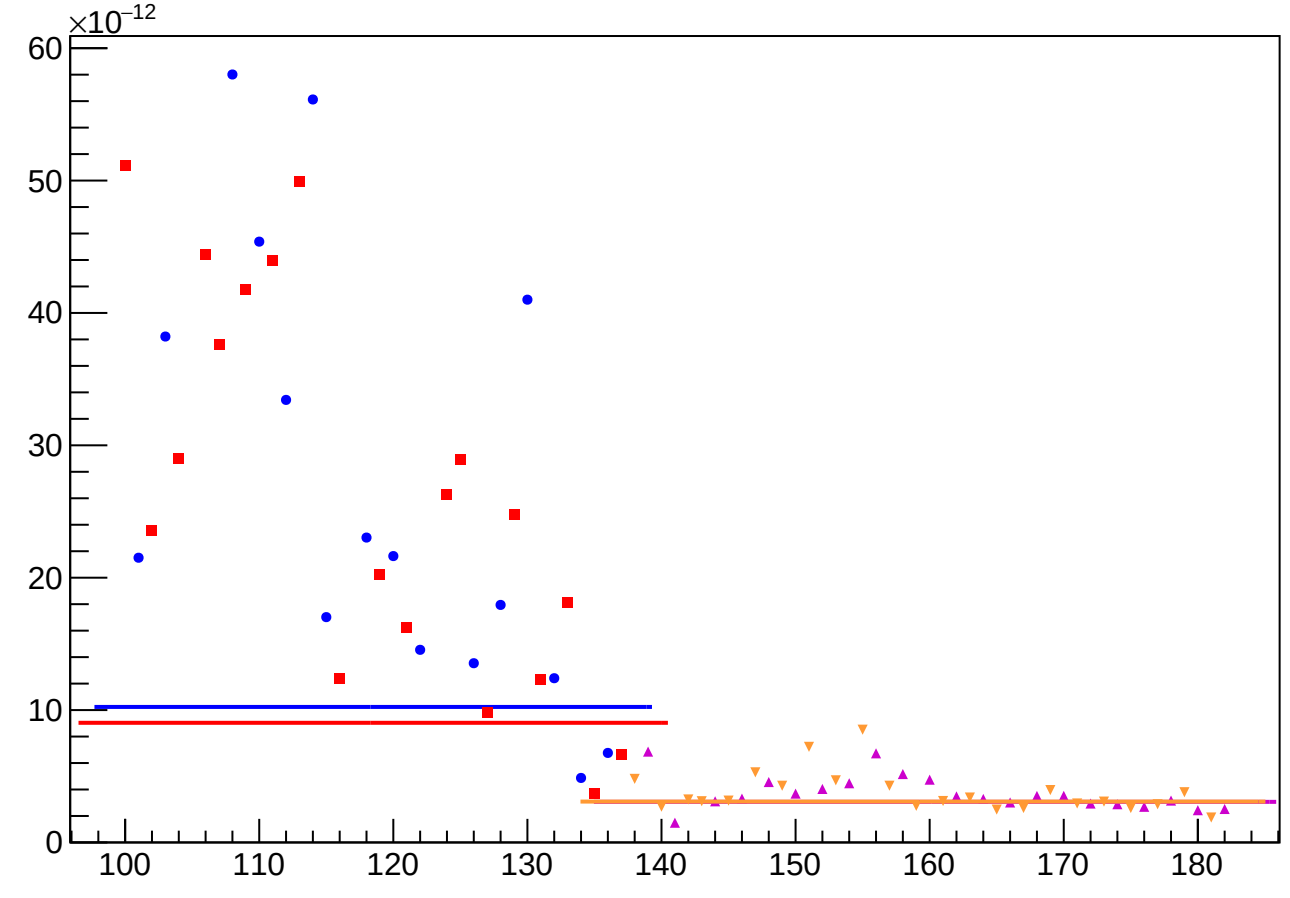
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 29.241+/-0.004 χ^2/NDF:4483034.8/37

Out: 29.537+/-0.004 χ^2/NDF:4993594.3/41

All: 29.389+/-0.003 χ^2/NDF: 9478845.2/79


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:33.1/22
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: 0.000+/-0.000 χ²/NDF:18.4/21
Left: 0.000+/-0.000 χ²/NDF: 52.0/44
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:31.3/37
Out: 0.000+/-0.000 χ²/NDF:57.2/41
All: 0.000+/-0.000 χ²/NDF: 88.7/79



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2019053.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2131521.7/21

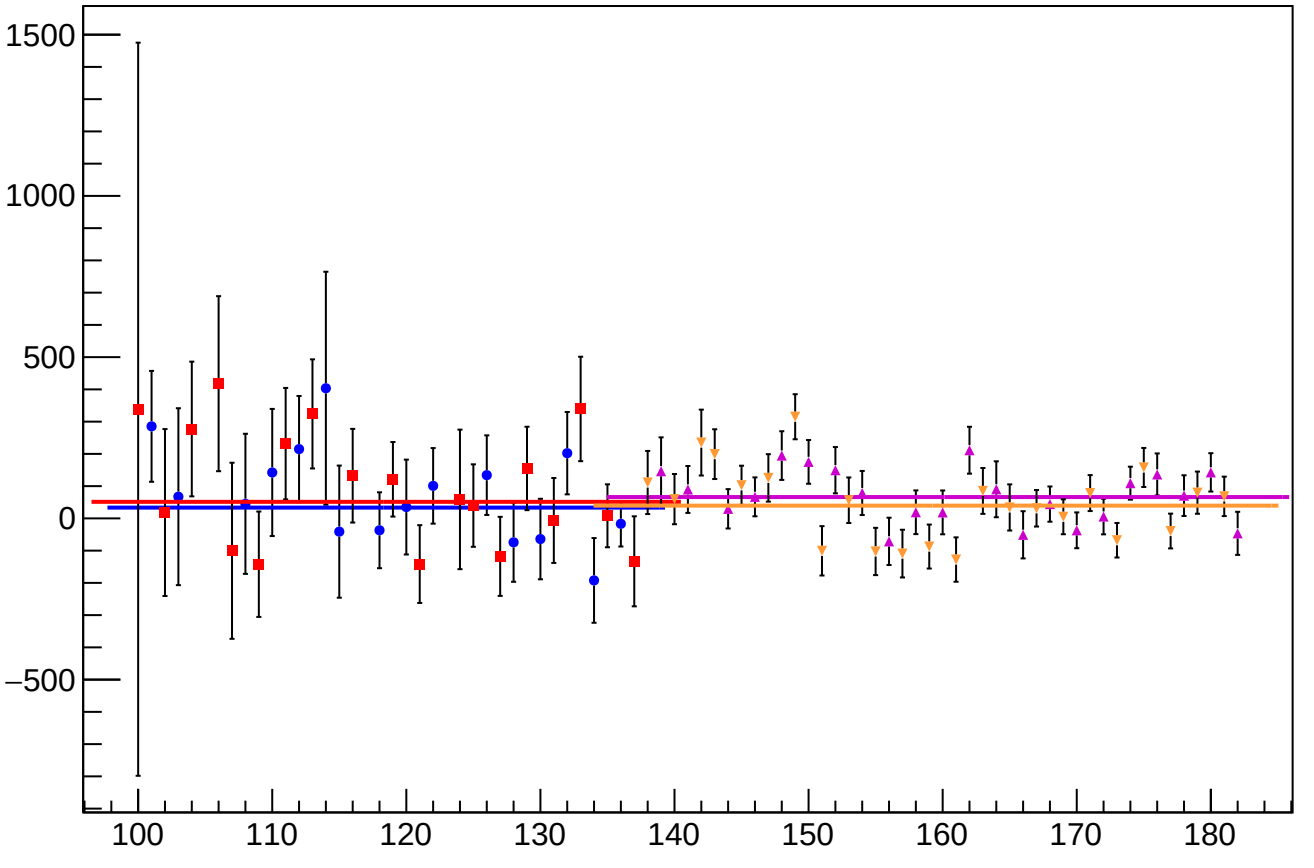
Left: 0.000+/-0.000 χ^2/NDF: 4151046.2/44

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:8431210.4/37

Out: 0.000+/-0.000 χ^2/NDF:8500003.8/41

All: 0.000+/-0.000 χ^2/NDF: 16931237.9/79



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 39.539+/-13.875 χ^2/NDF:59.0/22

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 66.131+/-13.980 χ^2/NDF:30.2/21

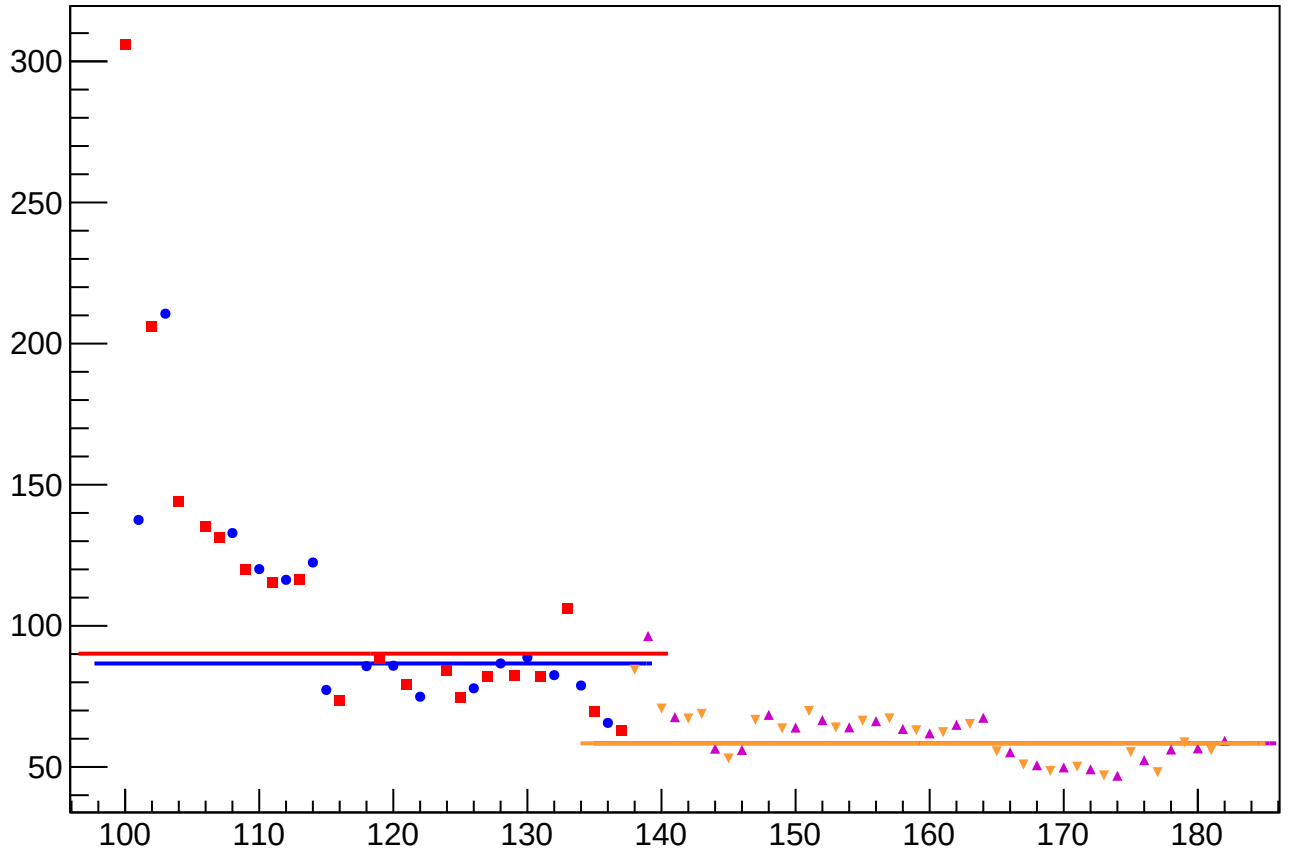
Left: 52.735+/-9.848 χ^2/NDF: 91.1/44

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 61.374+/-12.923 χ^2/NDF:43.8/37

Out: 41.153+/-12.891 χ^2/NDF:78.7/41

All: 51.238+/-9.126 χ^2/NDF: 123.7/79



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 58.391+/-0.010 χ^2/NDF:758012.9/22

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.382+/-0.010 χ^2/NDF:735073.5/21

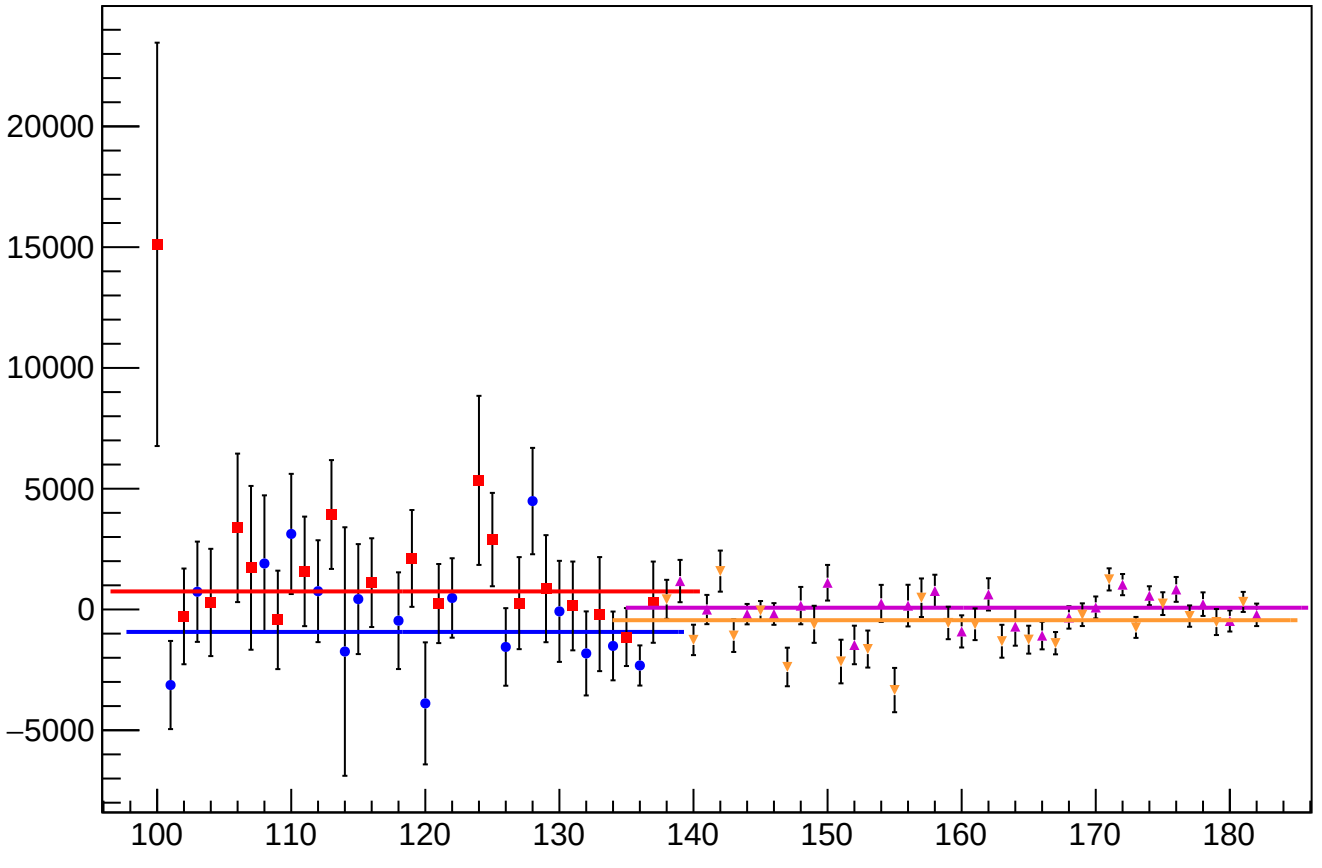
Left: 58.386+/-0.007 χ^2/NDF: 1493086.7/44

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 62.497+/-0.009 χ^2/NDF:2964938.7/37

Out: 62.736+/-0.009 χ^2/NDF:3341923.0/41

All: 62.617+/-0.006 χ^2/NDF: 6307205.2/79



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -444.688+/-118.795 χ^2/NDF:61.5/22

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 71.732+/-116.950 χ^2/NDF:28.4/21

Left: -182.438+/-83.341 χ^2/NDF: 99.6/44

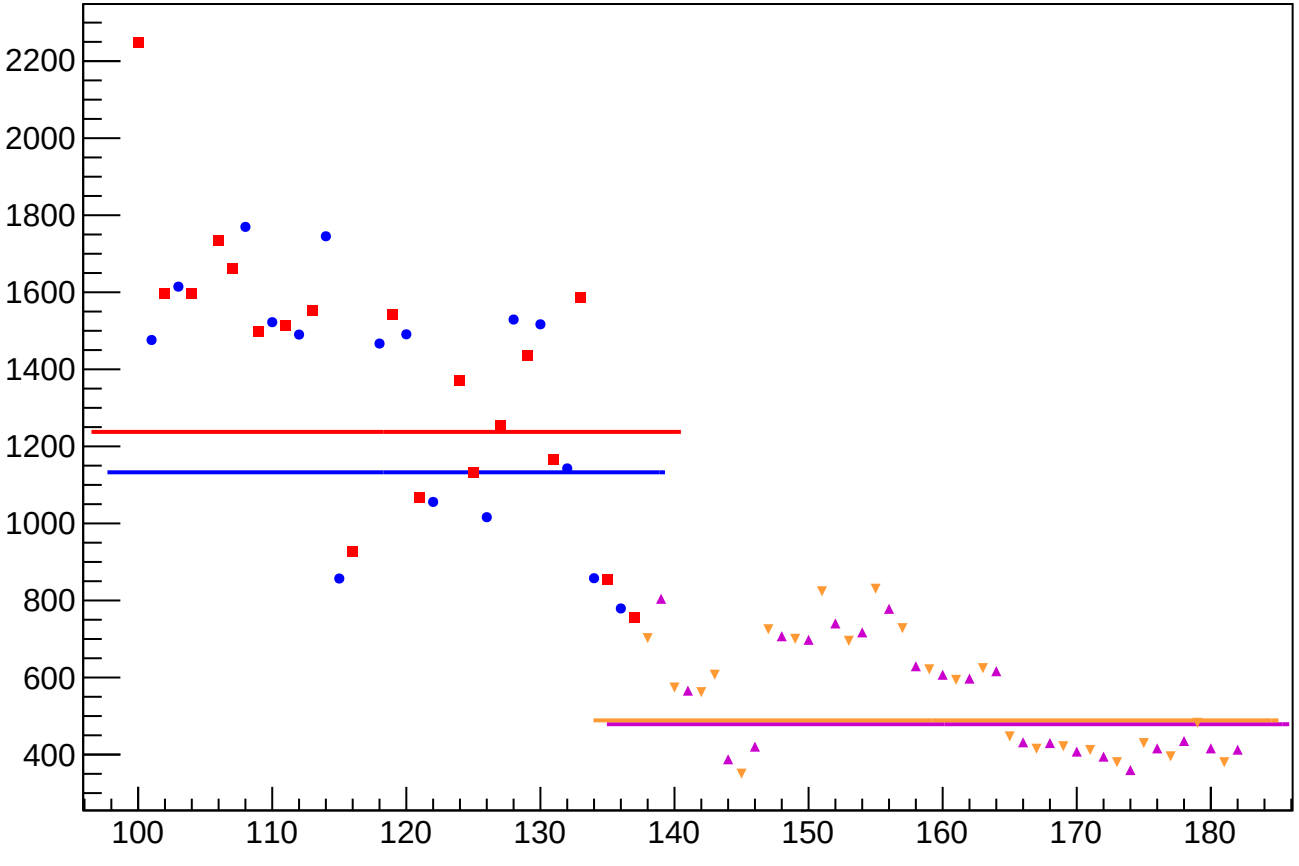
Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: 5.894+/-113.041 χ^2/NDF:51.8/37

Out: -372.512+/-115.142 χ^2/NDF:80.6/41

All: -179.826+/-80.664 χ^2/NDF: 137.9/79

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: 488.792+/-0.084 χ^2/NDF:2453438.6/22

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 478.785+/-0.083 χ^2/NDF:2211951.4/21

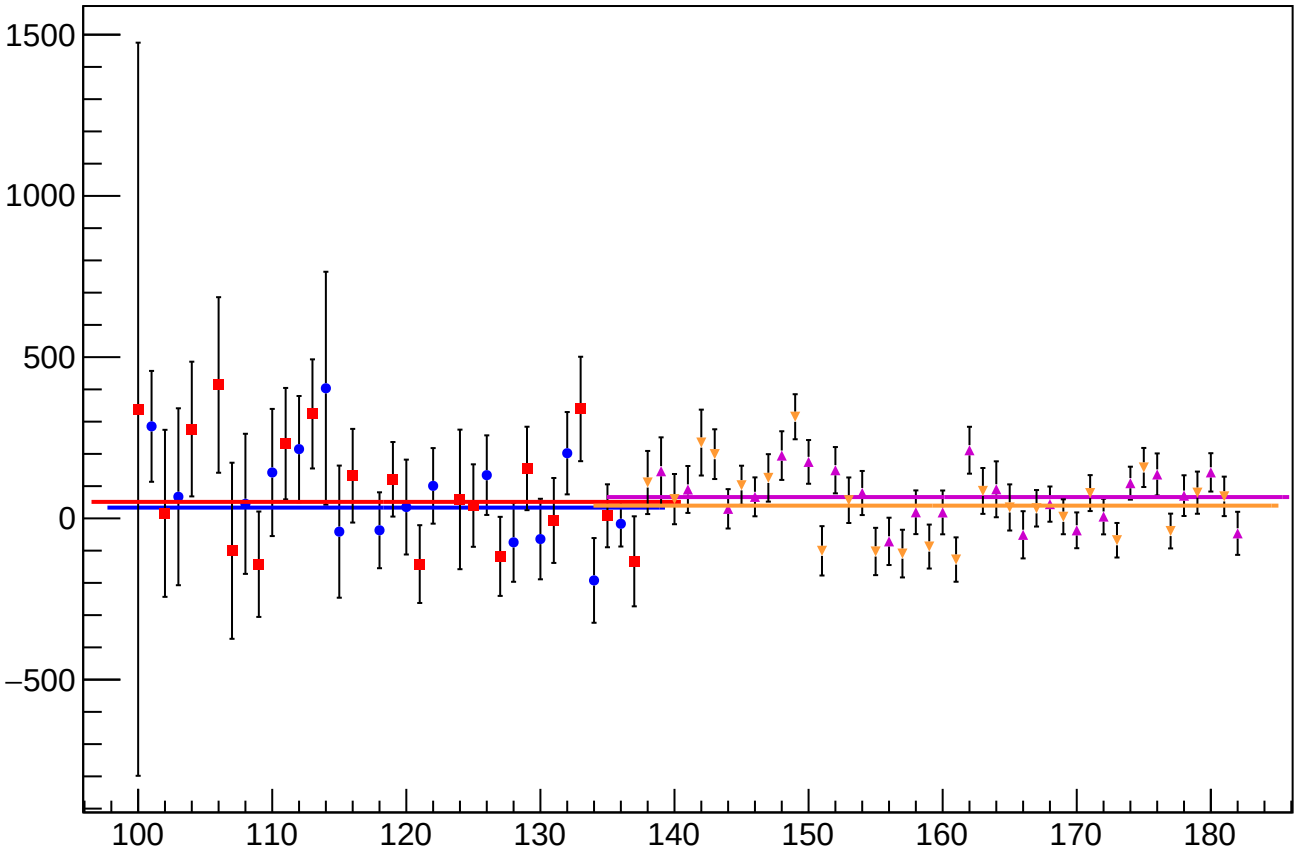
Left: 483.710+/-0.059 χ^2/NDF: 4672596.8/44

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 521.770+/-0.080 χ^2/NDF:7446270.3/37

Out: 534.136+/-0.081 χ^2/NDF:8160704.8/41

All: 527.839+/-0.057 χ^2/NDF: 15618721.0/79



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 39.541+/-13.875 χ^2/NDF:59.0/22

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 66.131+/-13.980 χ^2/NDF:30.2/21

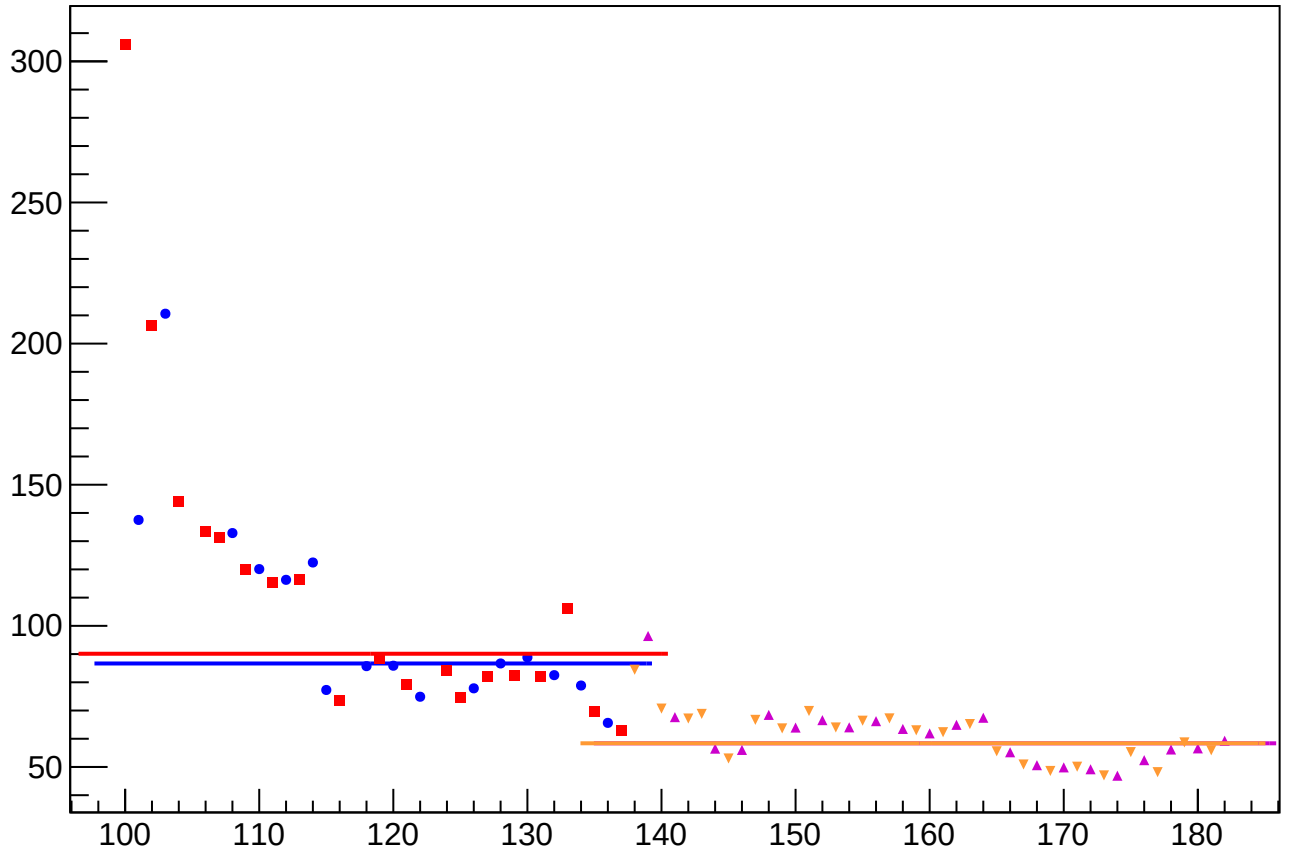
Left: 52.736+/-9.848 χ^2/NDF: 91.1/44

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 61.372+/-12.923 χ^2/NDF:43.8/37

Out: 41.134+/-12.891 χ^2/NDF:78.7/41

All: 51.228+/-9.126 χ^2/NDF: 123.7/79



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.391+/-0.010 χ^2/NDF:758012.8/22

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.382+/-0.010 χ^2/NDF:735073.5/21

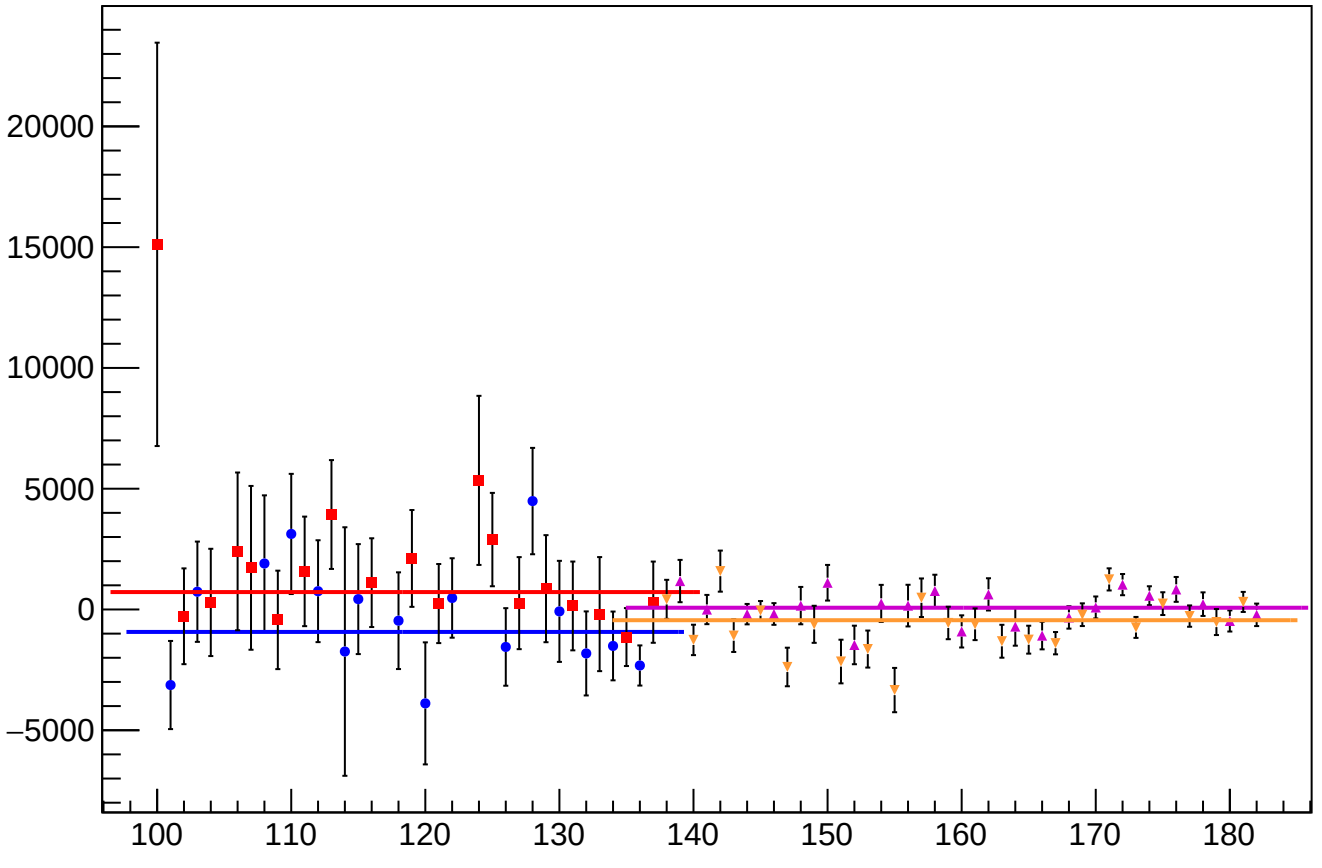
Left: 58.386+/-0.007 χ^2/NDF: 1493086.7/44

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 62.497+/-0.009 χ^2/NDF:2964940.9/37

Out: 62.731+/-0.009 χ^2/NDF:3333731.9/41

All: 62.614+/-0.006 χ^2/NDF: 6299000.6/79



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -444.685+/-118.795 χ^2/NDF:61.5/22

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 71.732+/-116.950 χ^2/NDF:28.4/21

Left: -182.437+/-83.341 χ^2/NDF: 99.6/44

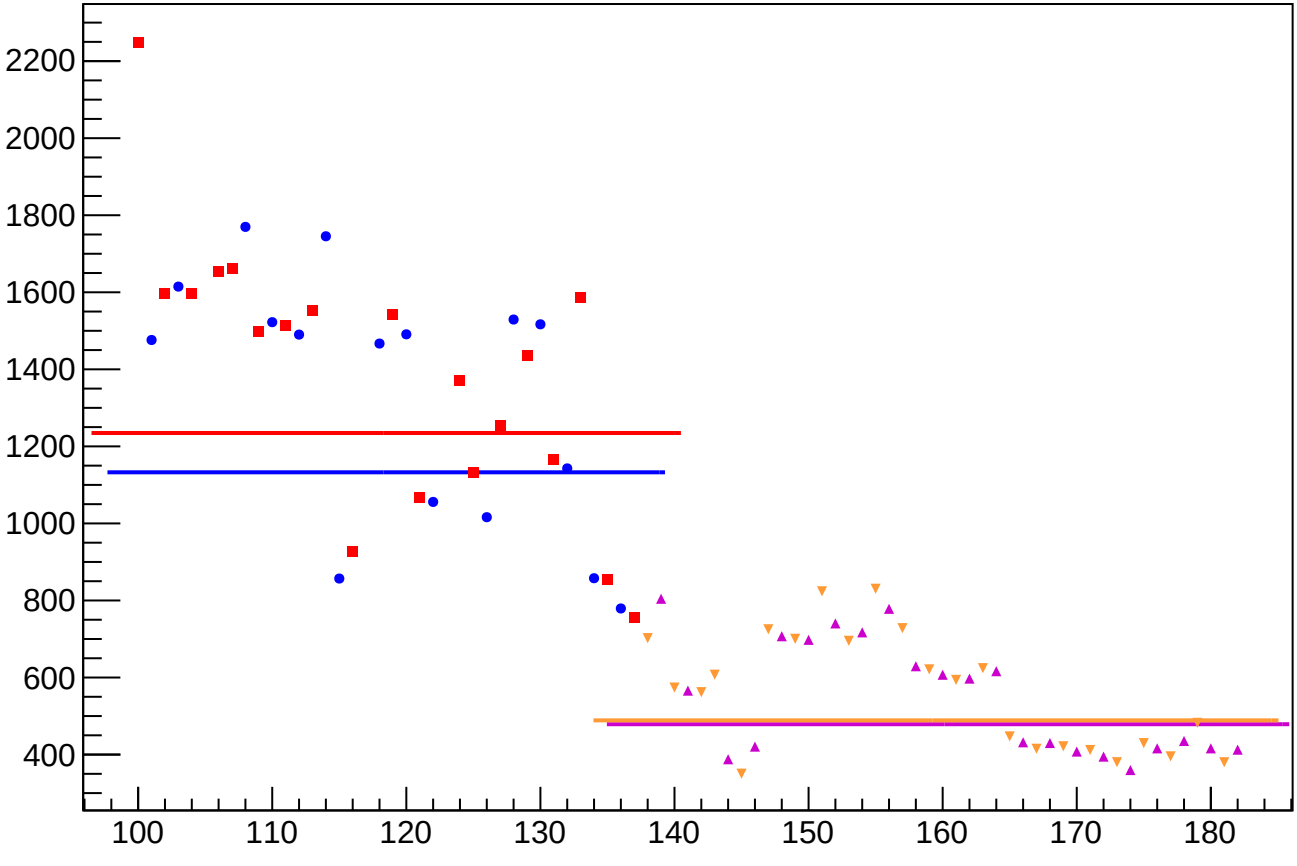
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: 5.896+/-113.041 χ^2/NDF:51.8/37

Out: -374.301+/-115.151 χ^2/NDF:79.9/41

All: -180.688+/-80.668 χ^2/NDF: 137.2/79

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: 488.792+/-0.084 χ^2/NDF:2453438.9/22

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 478.785+/-0.083 χ^2/NDF:2211949.4/21

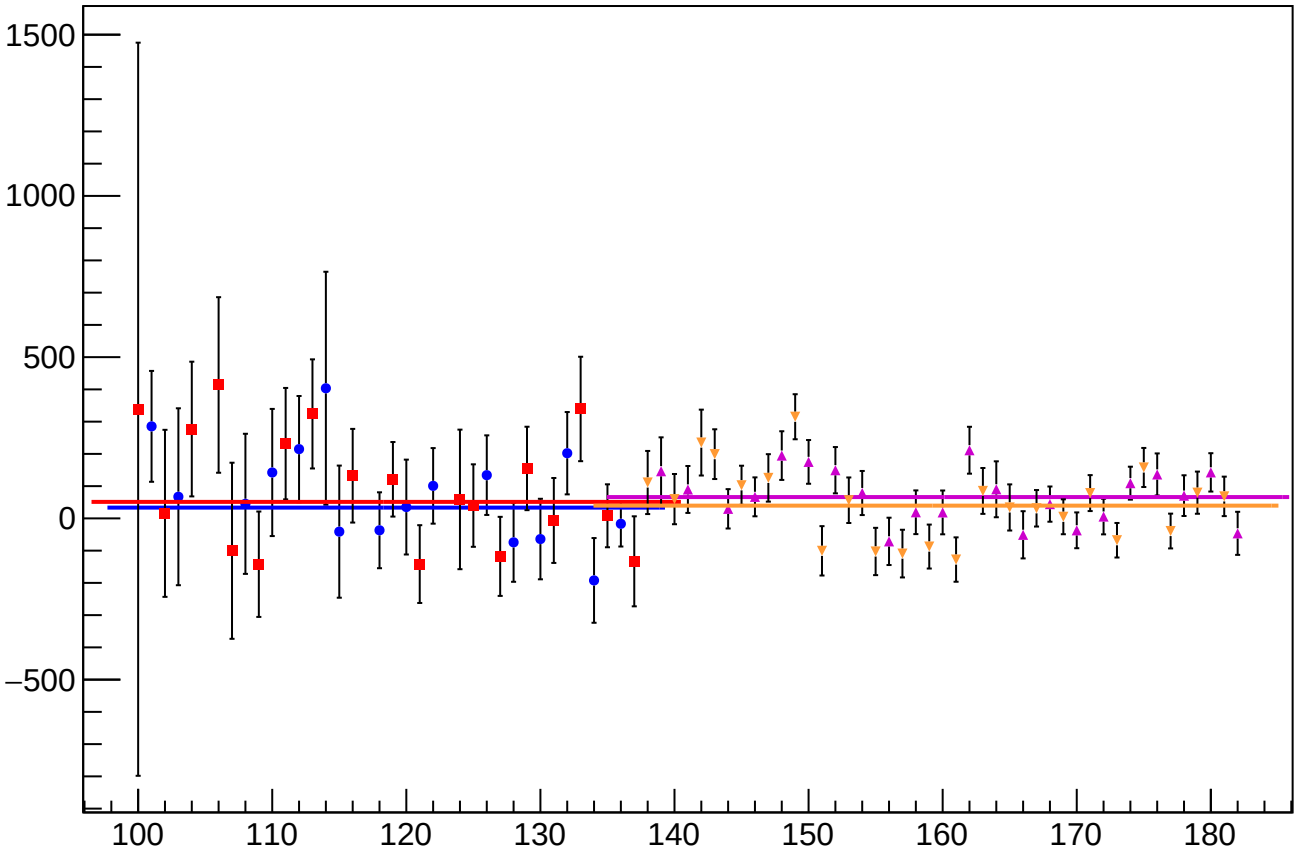
Left: 483.710+/-0.059 χ^2/NDF: 4672594.4/44

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 521.770+/-0.080 χ^2/NDF:7446296.0/37

Out: 533.846+/-0.081 χ^2/NDF:8092490.5/41

All: 527.696+/-0.057 χ^2/NDF: 15549986.5/79



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 39.541+/-13.875 χ^2/NDF:59.0/22

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 66.131+/-13.980 χ^2/NDF:30.2/21

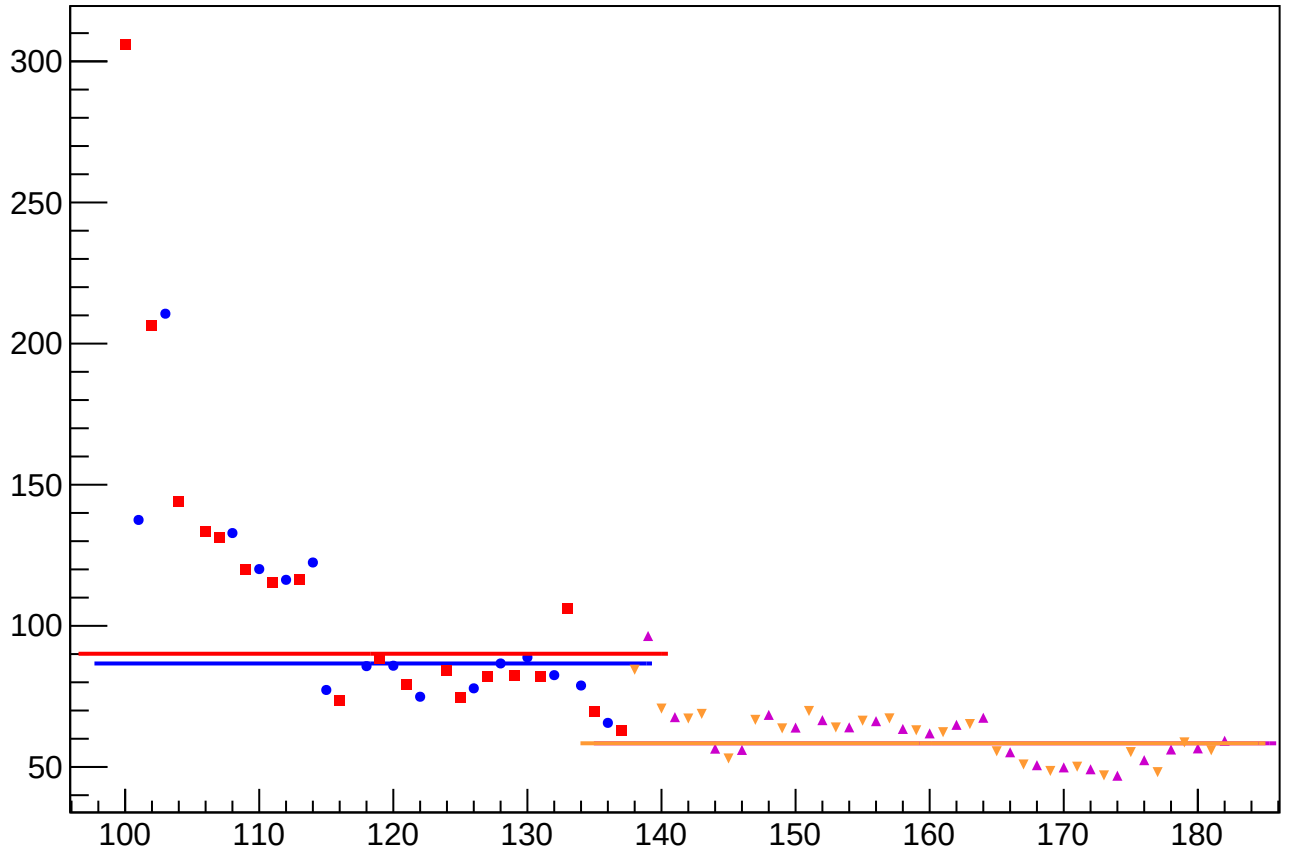
Left: 52.736+/-9.848 χ^2/NDF: 91.1/44

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 61.372+/-12.923 χ^2/NDF:43.8/37

Out: 41.134+/-12.891 χ^2/NDF:78.7/41

All: 51.228+/-9.126 χ^2/NDF: 123.7/79



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.391+/-0.010 χ^2/NDF:758012.8/22

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.382+/-0.010 χ^2/NDF:735073.5/21

Left: 58.386+/-0.007 χ^2/NDF: 1493086.7/44

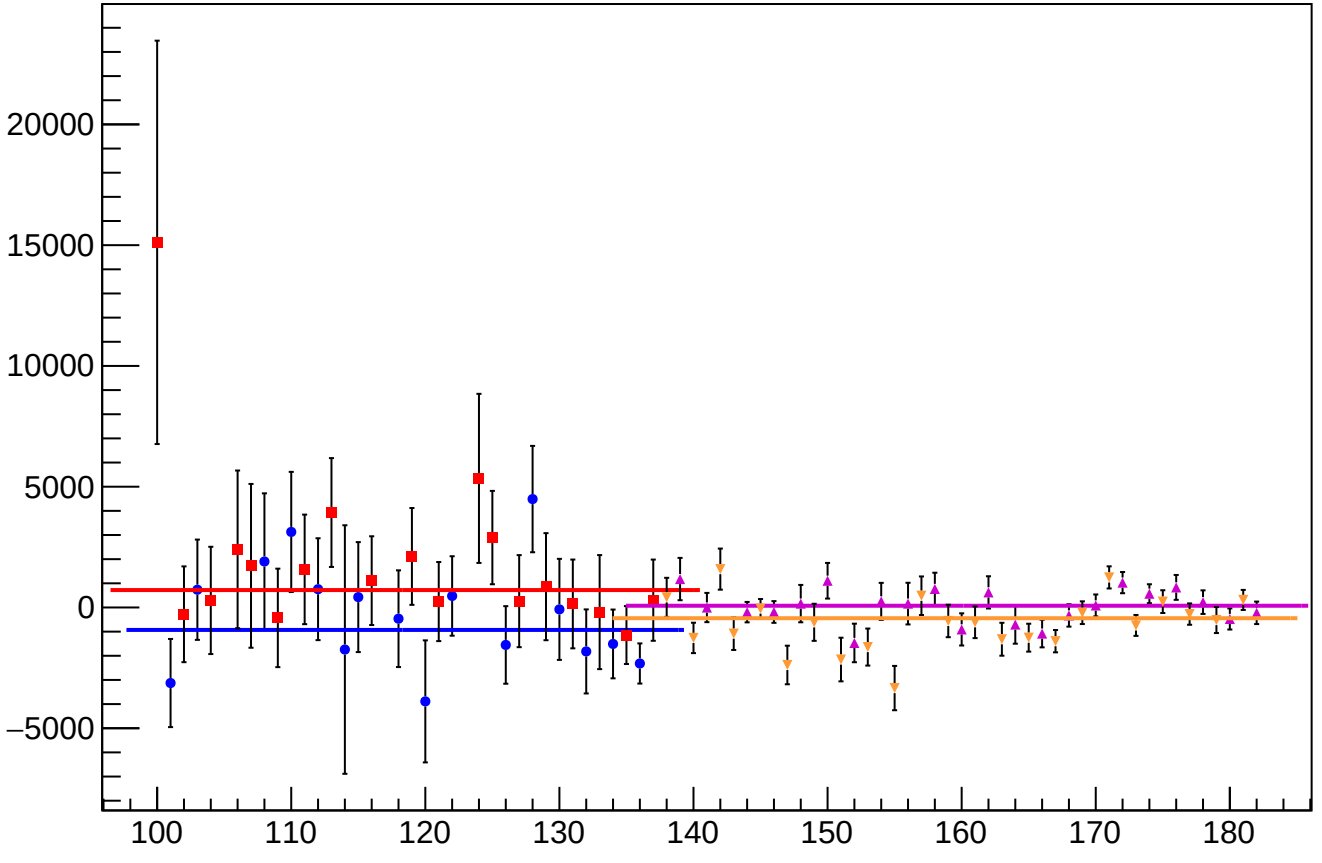
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 62.497+/-0.009 χ^2/NDF:2964940.9/37

Out: 62.731+/-0.009 χ^2/NDF:3333731.9/41

All: 62.614+/-0.006 χ^2/NDF: 6299000.6/79

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: -444.685+/-118.795 χ^2/NDF:61.5/22

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 71.732+/-116.950 χ^2/NDF:28.4/21

Left: -182.437+/-83.341 χ^2/NDF: 99.6/44

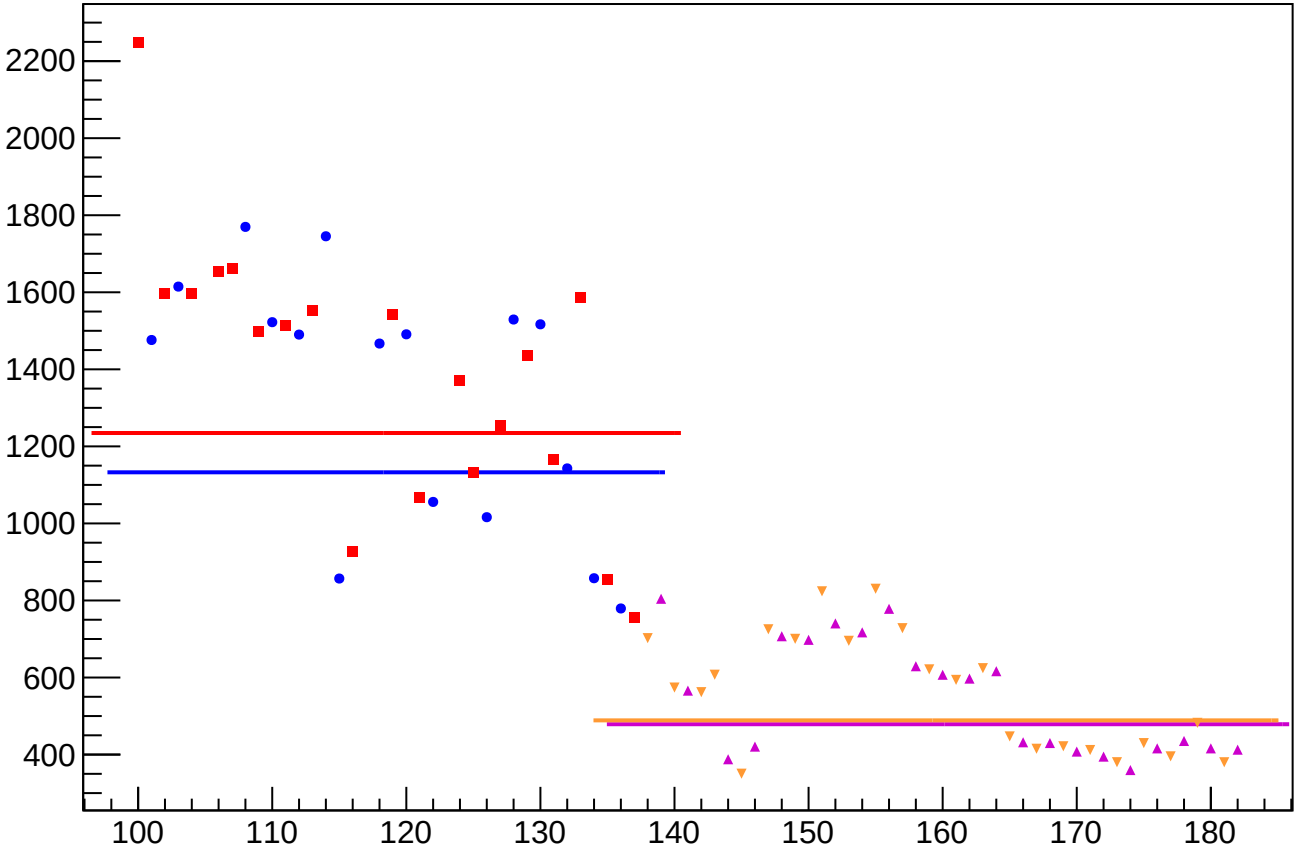
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: 5.896+/-113.041 χ^2/NDF:51.8/37

Out: -374.301+/-115.151 χ^2/NDF:79.9/41

All: -180.688+/-80.668 χ^2/NDF: 137.2/79

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: 488.792+/-0.084 χ^2/NDF:2453438.9/22

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 478.785+/-0.083 χ^2/NDF:2211949.4/21

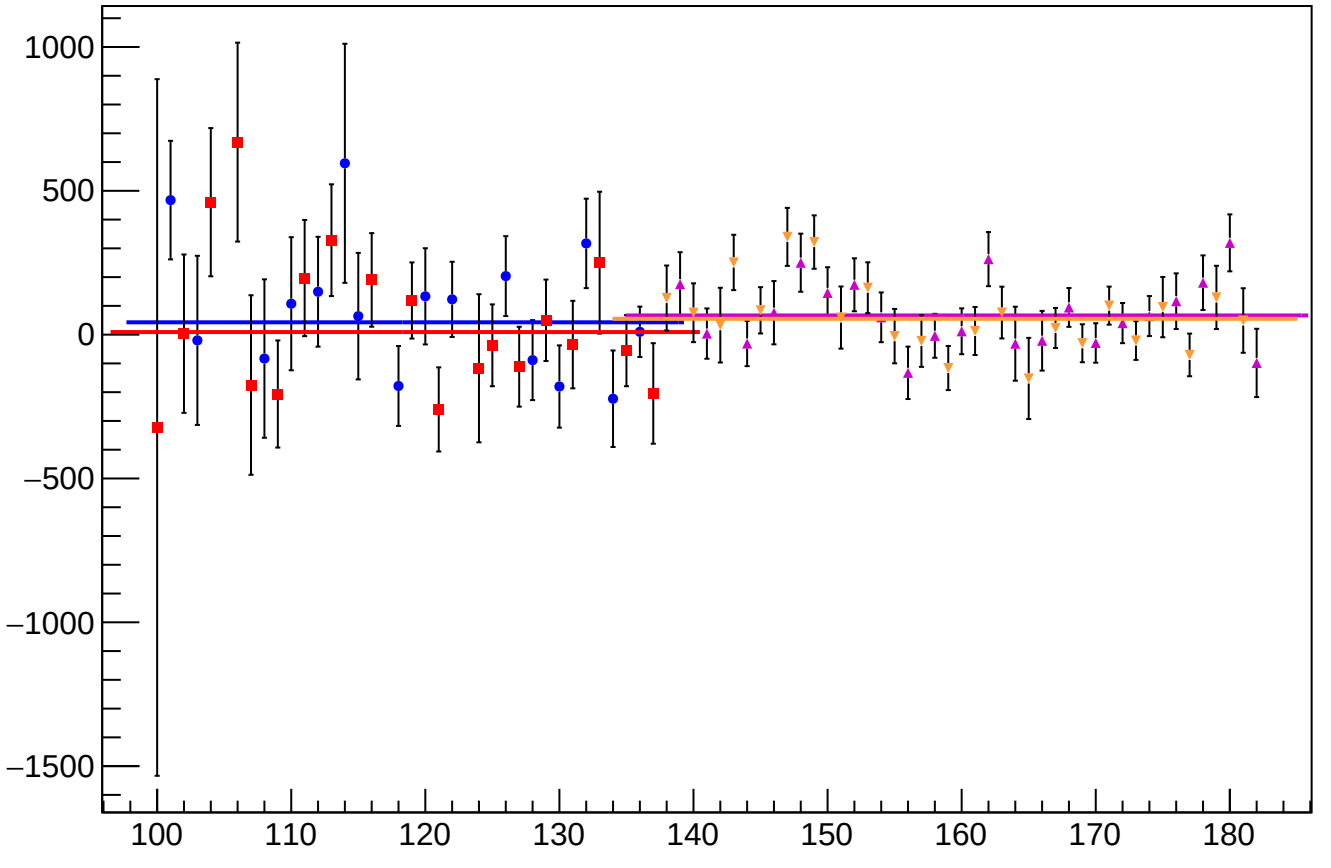
Left: 483.710+/-0.059 χ^2/NDF: 4672594.4/44

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 521.770+/-0.080 χ^2/NDF:7446296.0/37

Out: 533.846+/-0.081 χ^2/NDF:8092490.5/41

All: 527.696+/-0.057 χ^2/NDF: 15549986.5/79



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 55.195+/-18.360 χ^2/NDF:38.2/22

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 66.768+/-18.628 χ^2/NDF:32.6/21

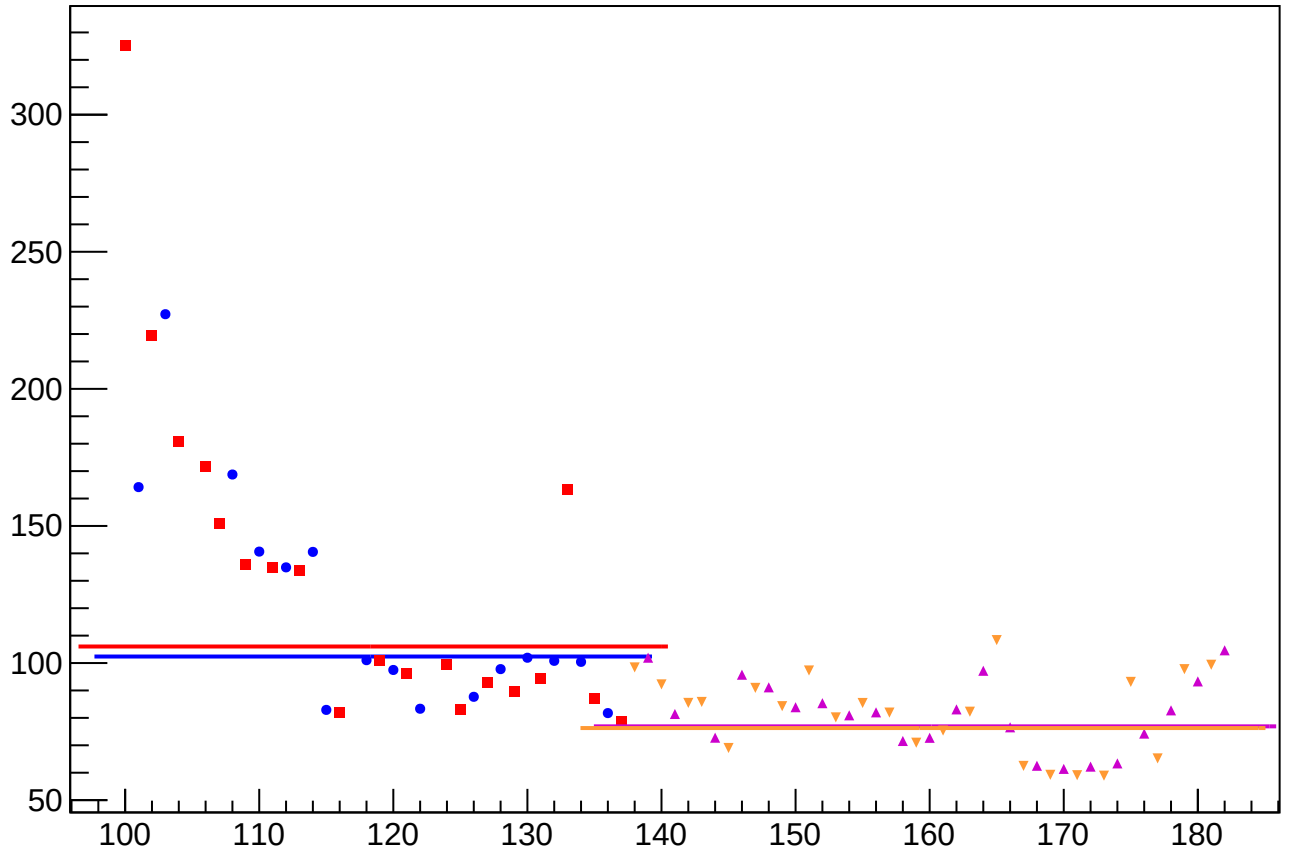
Left: 60.897+/-13.076 χ^2/NDF: 71.0/44

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 62.507+/-16.883 χ^2/NDF:53.2/37

Out: 47.496+/-16.761 χ^2/NDF:60.6/41

All: 54.947+/-11.895 χ^2/NDF: 114.2/79



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 76.287+/-0.013 χ^2/NDF:1194092.4/22

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 76.909+/-0.013 χ^2/NDF:854043.3/21

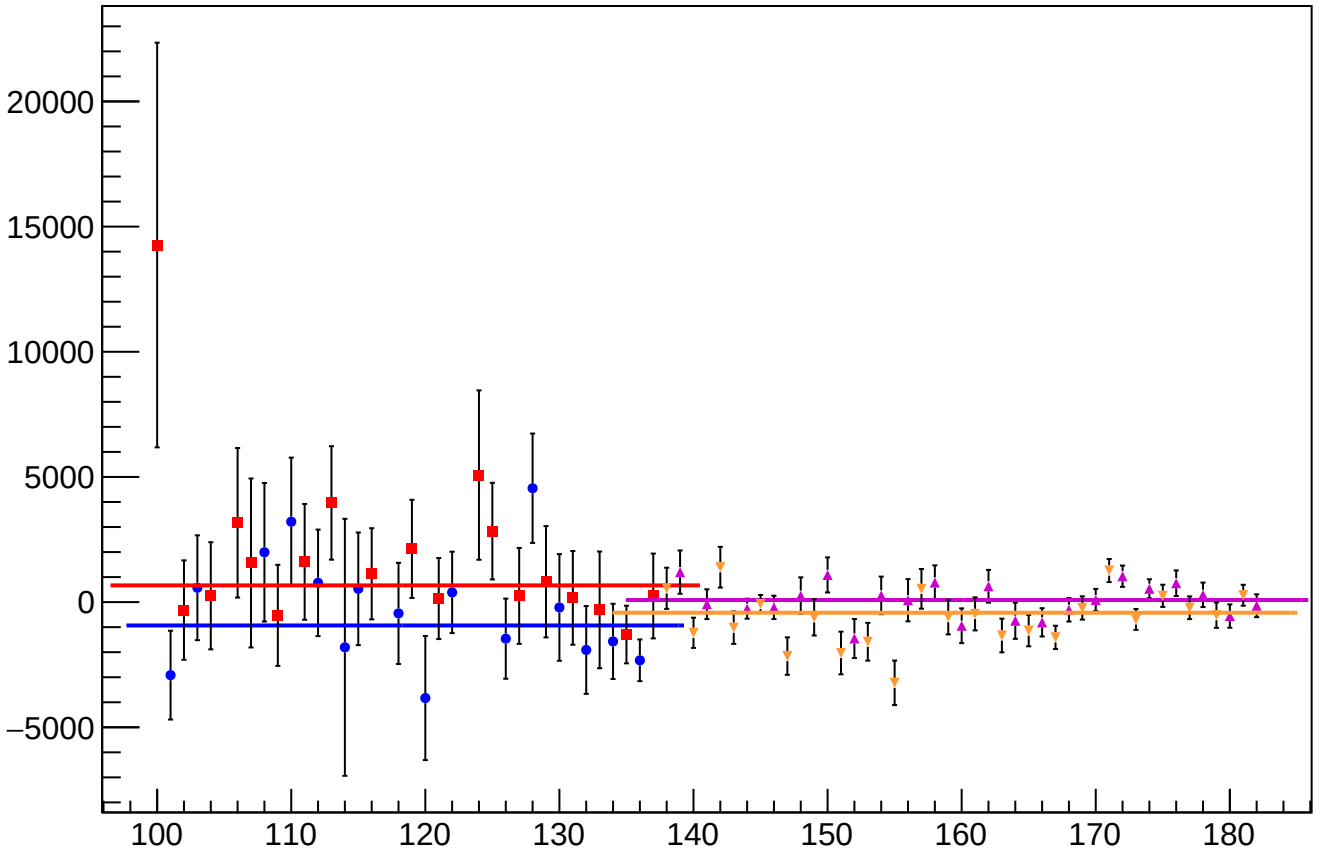
Left: 76.594+/-0.009 χ^2/NDF: 2049266.5/44

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 81.458+/-0.012 χ^2/NDF:2504111.2/37

Out: 81.244+/-0.012 χ^2/NDF:3260097.4/41

All: 81.350+/-0.008 χ^2/NDF: 5764371.4/79



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -423.172+/-116.233 χ^2/NDF:59.7/22

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 83.525+/-115.538 χ^2/NDF:27.8/21

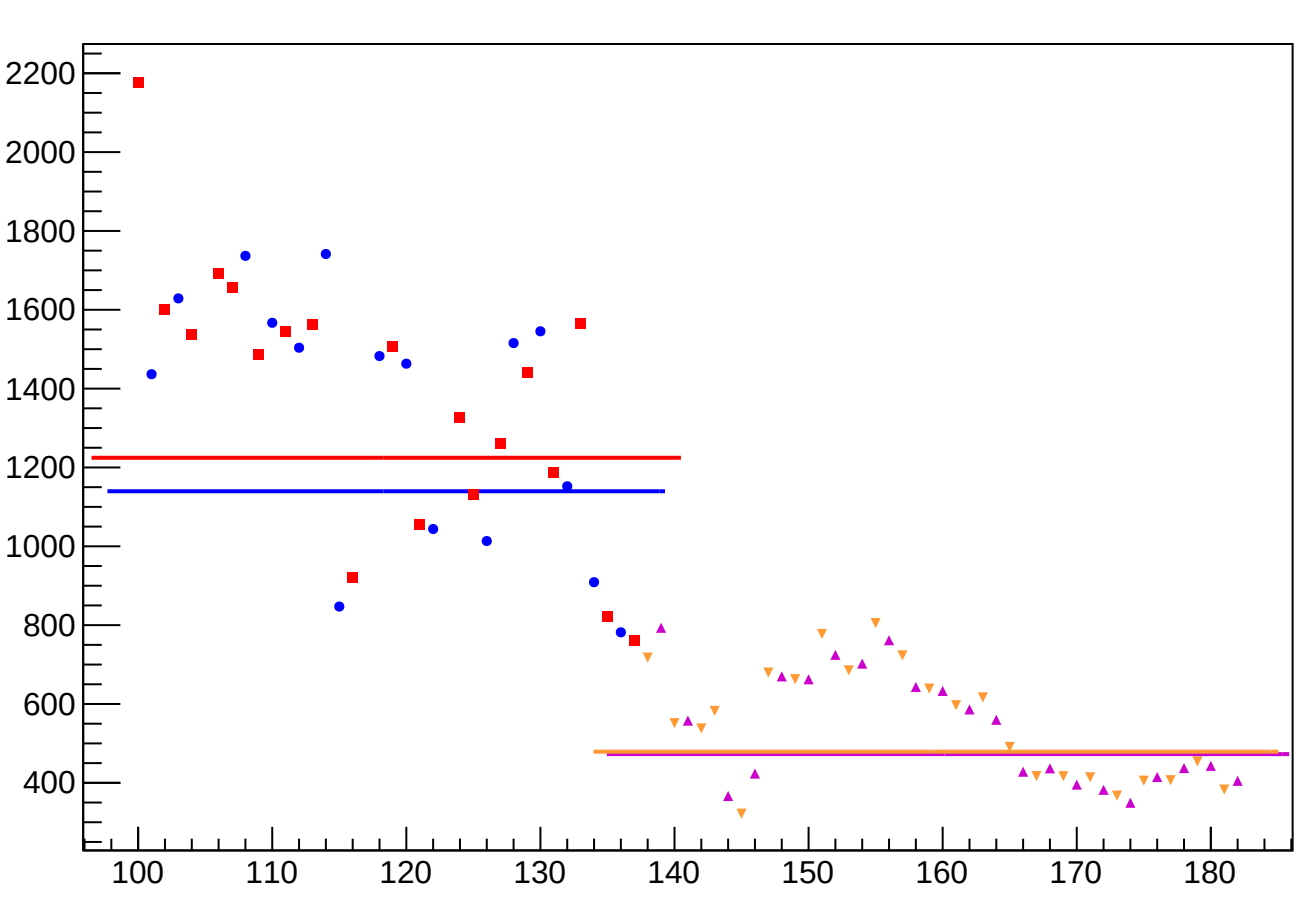
Left: -168.304+/-81.942 χ^2/NDF: 97.1/44

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: 18.748+/-111.794 χ^2/NDF:51.2/37

Out: -358.505+/-112.738 χ^2/NDF:78.4/41

All: -168.292+/-79.382 χ^2/NDF: 135.3/79



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 478.978+/-0.082 χ^2/NDF:2495803.7/22

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 472.789+/-0.082 χ^2/NDF:2197573.0/21

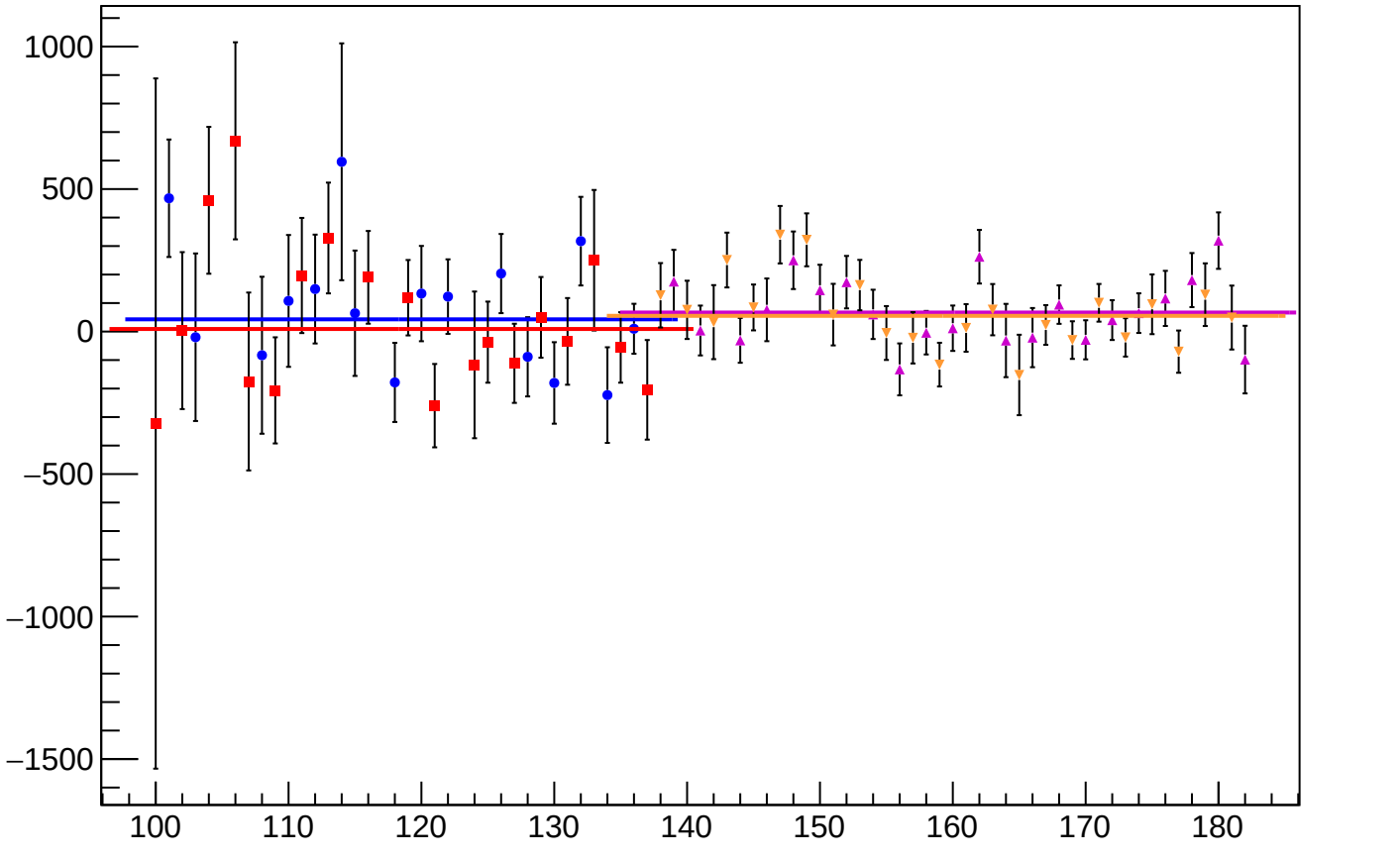
Left: 475.865+/-0.058 χ^2/NDF: 4696228.3/44

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 515.311+/-0.079 χ^2/NDF:7539416.5/37

Out: 523.147+/-0.080 χ^2/NDF:8293823.0/41

All: 519.196+/-0.056 χ^2/NDF: 15838111.6/79



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 55.194+/-18.360 χ^2/NDF:38.2/22

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 66.767+/-18.628 χ^2/NDF:32.6/21

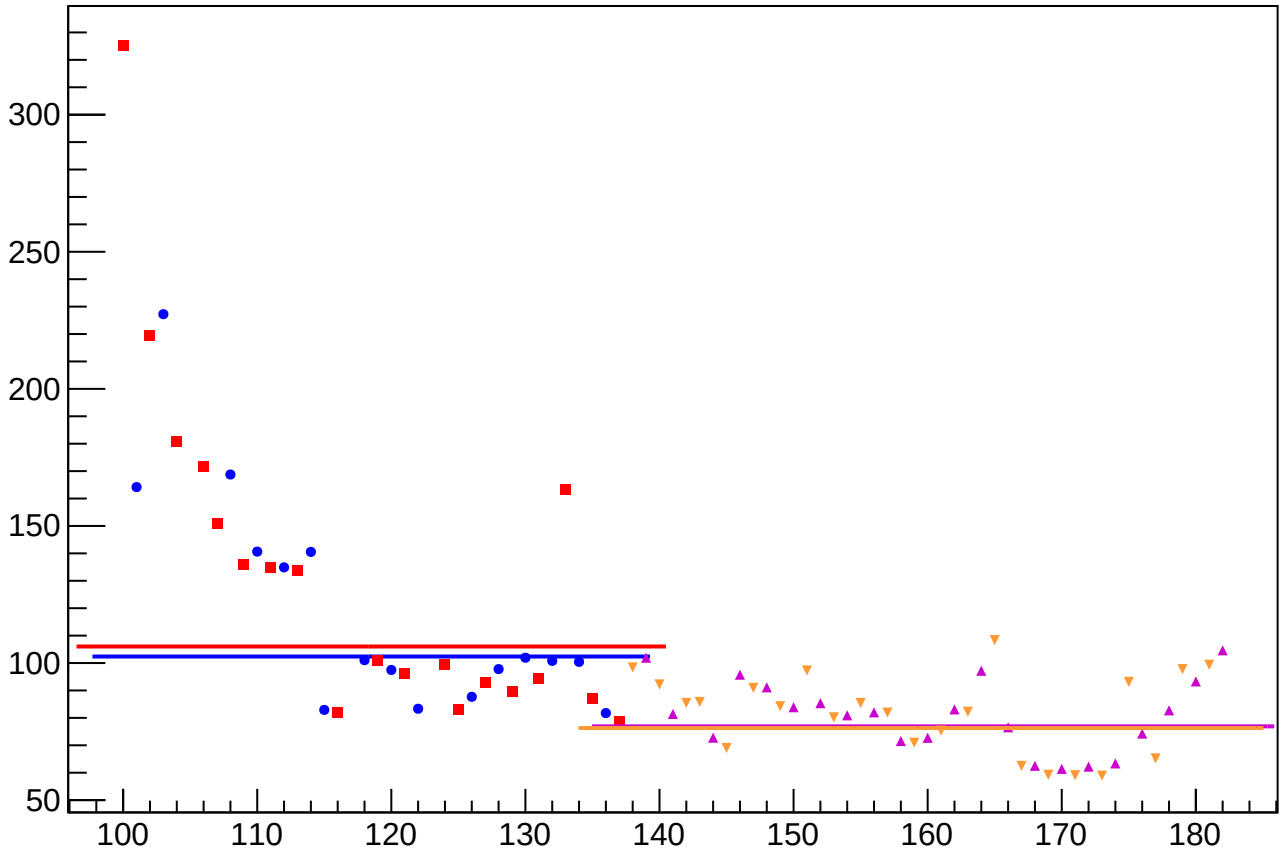
Left: 60.897+/-13.076 χ^2/NDF: 71.0/44

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 62.507+/-16.883 χ^2/NDF:53.2/37

Out: 47.494+/-16.761 χ^2/NDF:60.6/41

All: 54.946+/-11.895 χ^2/NDF: 114.2/79



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 76.288+/-0.013 χ^2/NDF:1194093.7/22

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 76.910+/-0.013 χ^2/NDF:854035.9/21

Left: 76.594+/-0.009 χ^2/NDF: 2049260.5/44

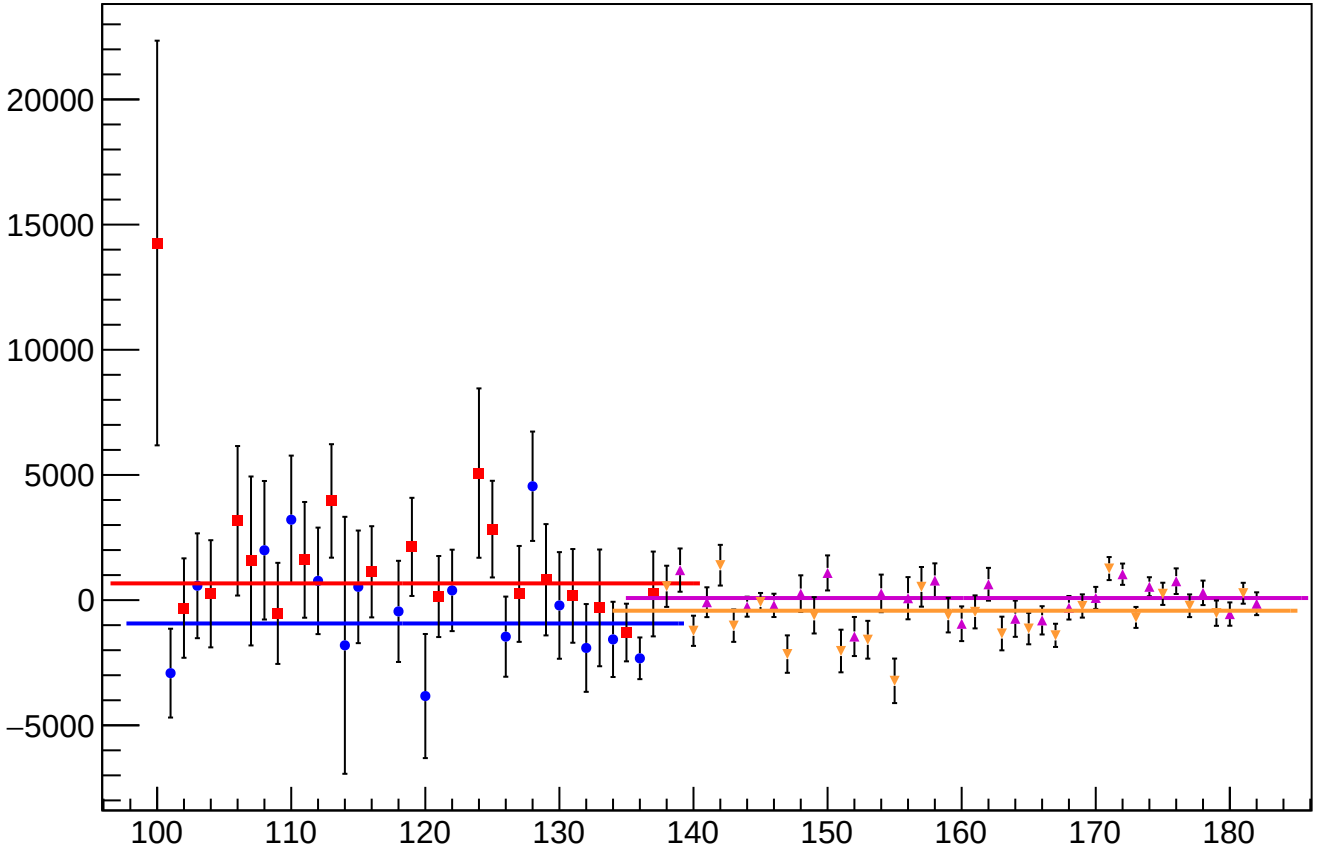
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 81.459+/-0.012 χ^2/NDF:2504073.1/37

Out: 81.244+/-0.012 χ^2/NDF:3260081.2/41

All: 81.351+/-0.008 χ^2/NDF: 5764317.2/79

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: -423.172+/-116.233 χ^2/NDF:59.7/22

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 83.525+/-115.538 χ^2/NDF:27.8/21

Left: -168.304+/-81.942 χ^2/NDF: 97.1/44

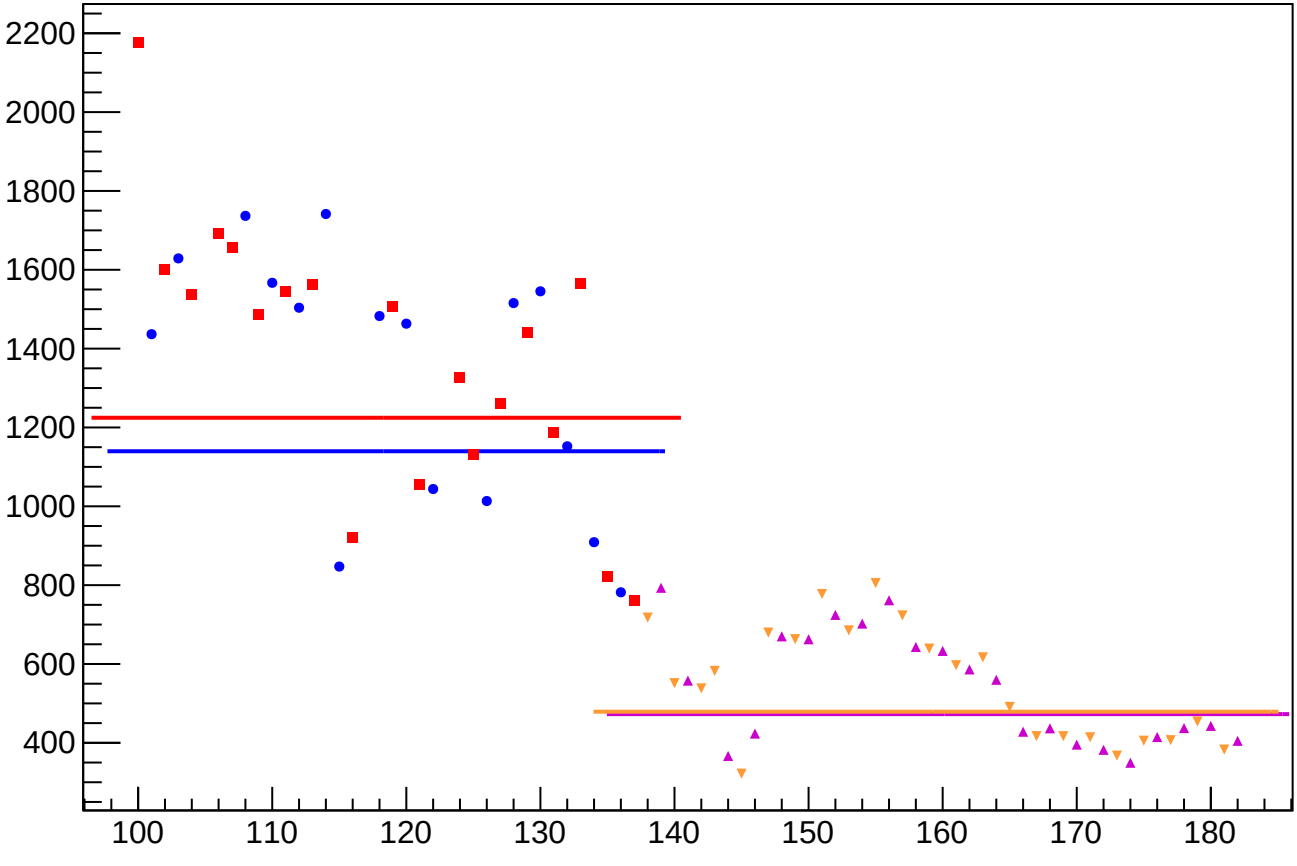
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: 18.748+/-111.794 χ^2/NDF:51.2/37

Out: -358.505+/-112.738 χ^2/NDF:78.4/41

All: -168.292+/-79.382 χ^2/NDF: 135.3/79

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: 478.977+/-0.082 χ^2/NDF:2495808.8/22

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 472.789+/-0.082 χ^2/NDF:2197568.8/21

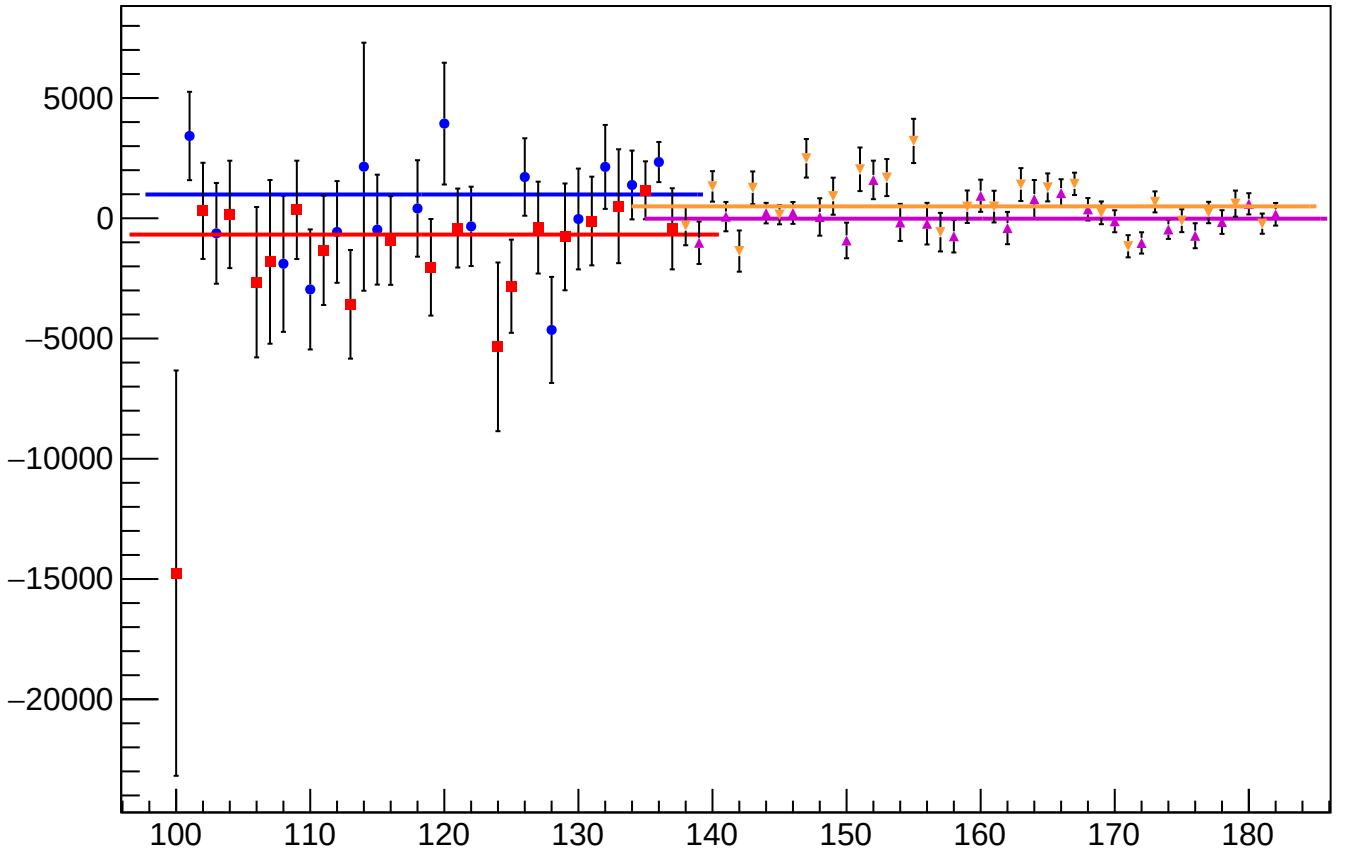
Left: 475.865+/-0.058 χ^2/NDF: 4696229.0/44

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 515.311+/-0.079 χ^2/NDF:7539399.3/37

Out: 523.147+/-0.080 χ^2/NDF:8293817.1/41

All: 519.196+/-0.056 χ^2/NDF: 15838088.2/79



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 495.056+/-119.703 χ^2/NDF:57.7/22

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: -16.175+/-117.893 χ^2/NDF:26.8/21

Left: 235.545+/-83.995 χ^2/NDF: 93.7/44

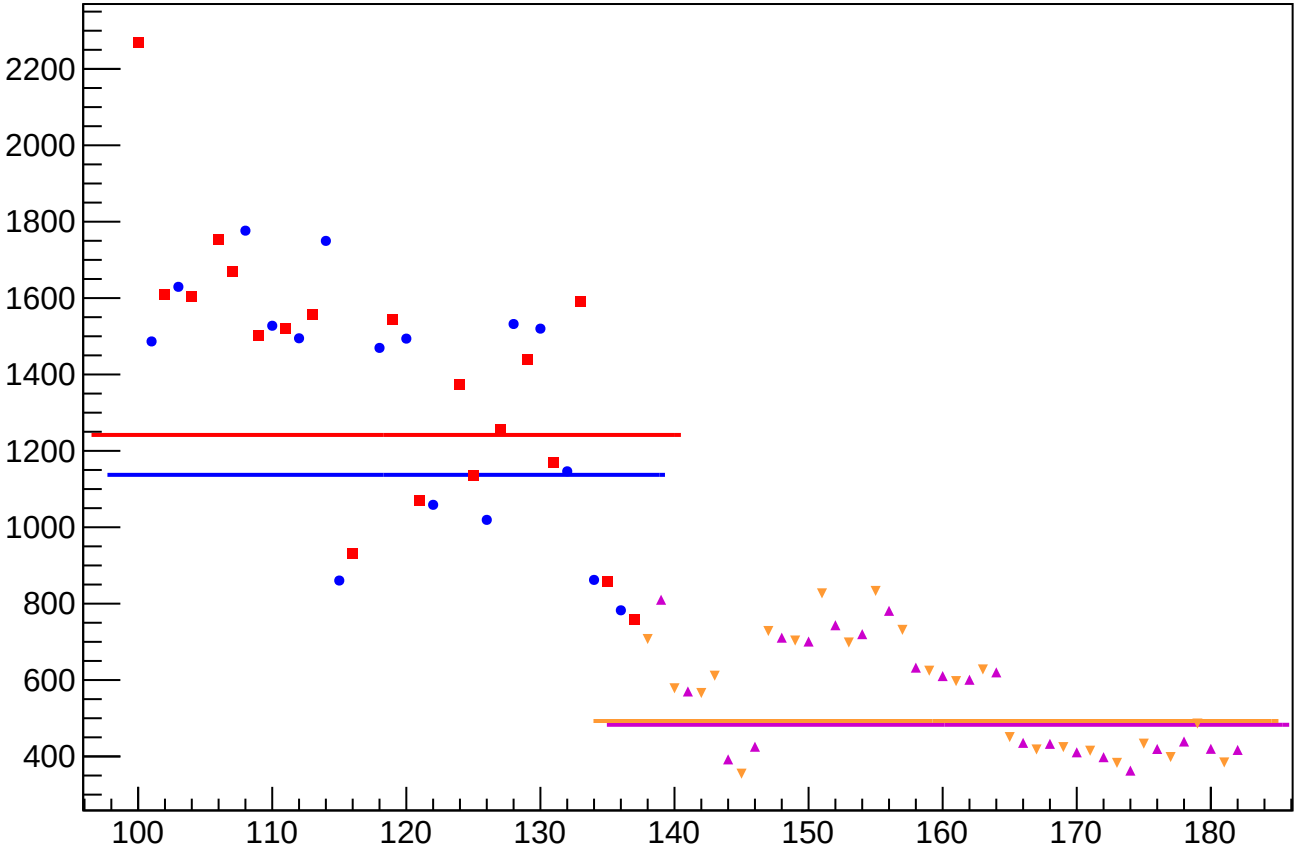
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 50.429+/-113.921 χ^2/NDF:50.6/37

Out: 423.523+/-115.995 χ^2/NDF:75.5/41

All: 233.611+/-81.278 χ^2/NDF: 131.4/79

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 492.766+/-0.085 χ^2/NDF:2420750.7/22

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 482.858+/-0.083 χ^2/NDF:2183203.1/21

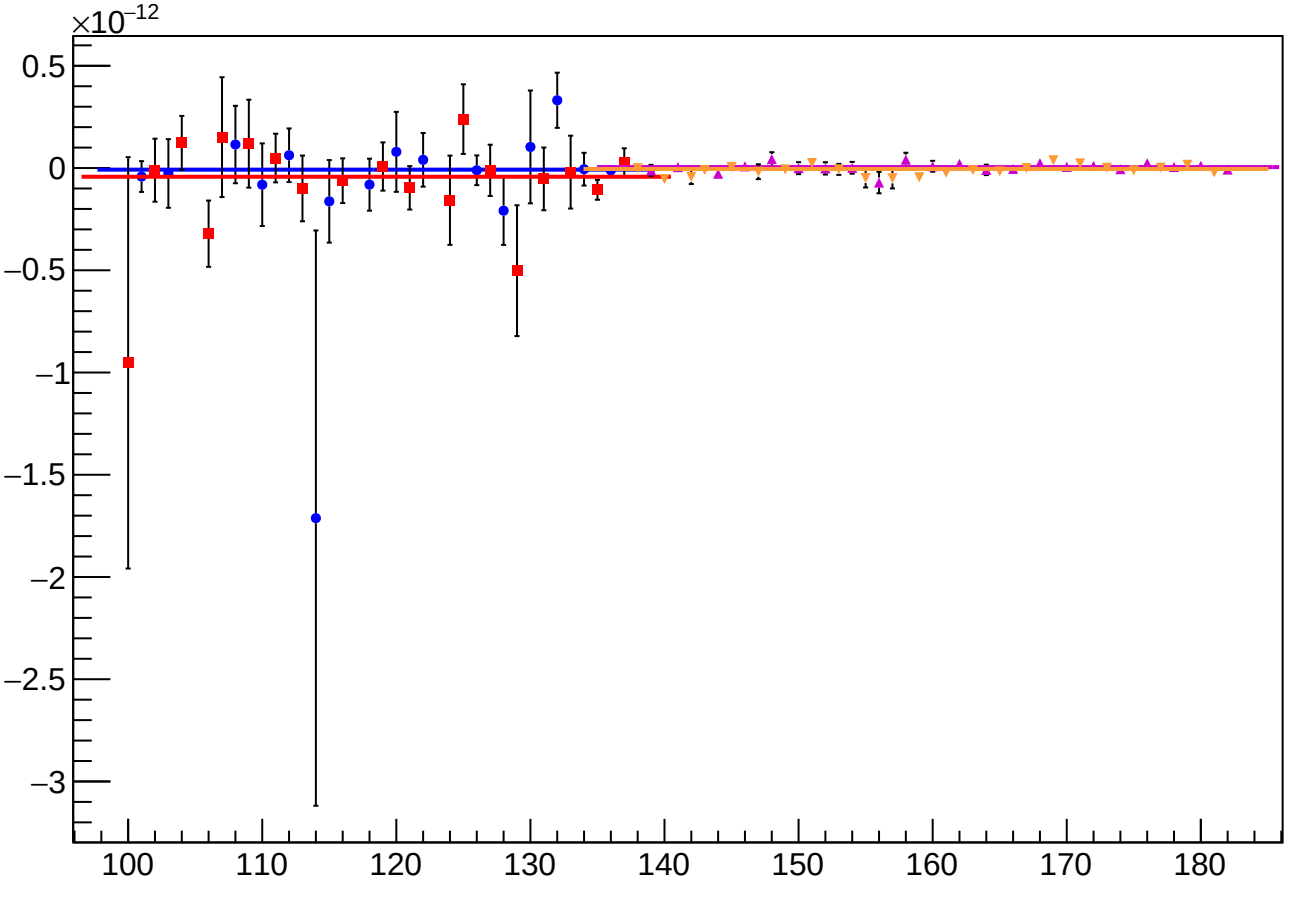
Left: 487.736+/-0.059 χ^2/NDF: 4610908.8/44

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 526.203+/-0.081 χ^2/NDF:7388307.3/37

Out: 538.451+/-0.082 χ^2/NDF:8095924.0/41

All: 532.216+/-0.057 χ^2/NDF: 15495581.6/79



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/21

Left: -0.000+/-0.000 χ^2/NDF: 46.7/44

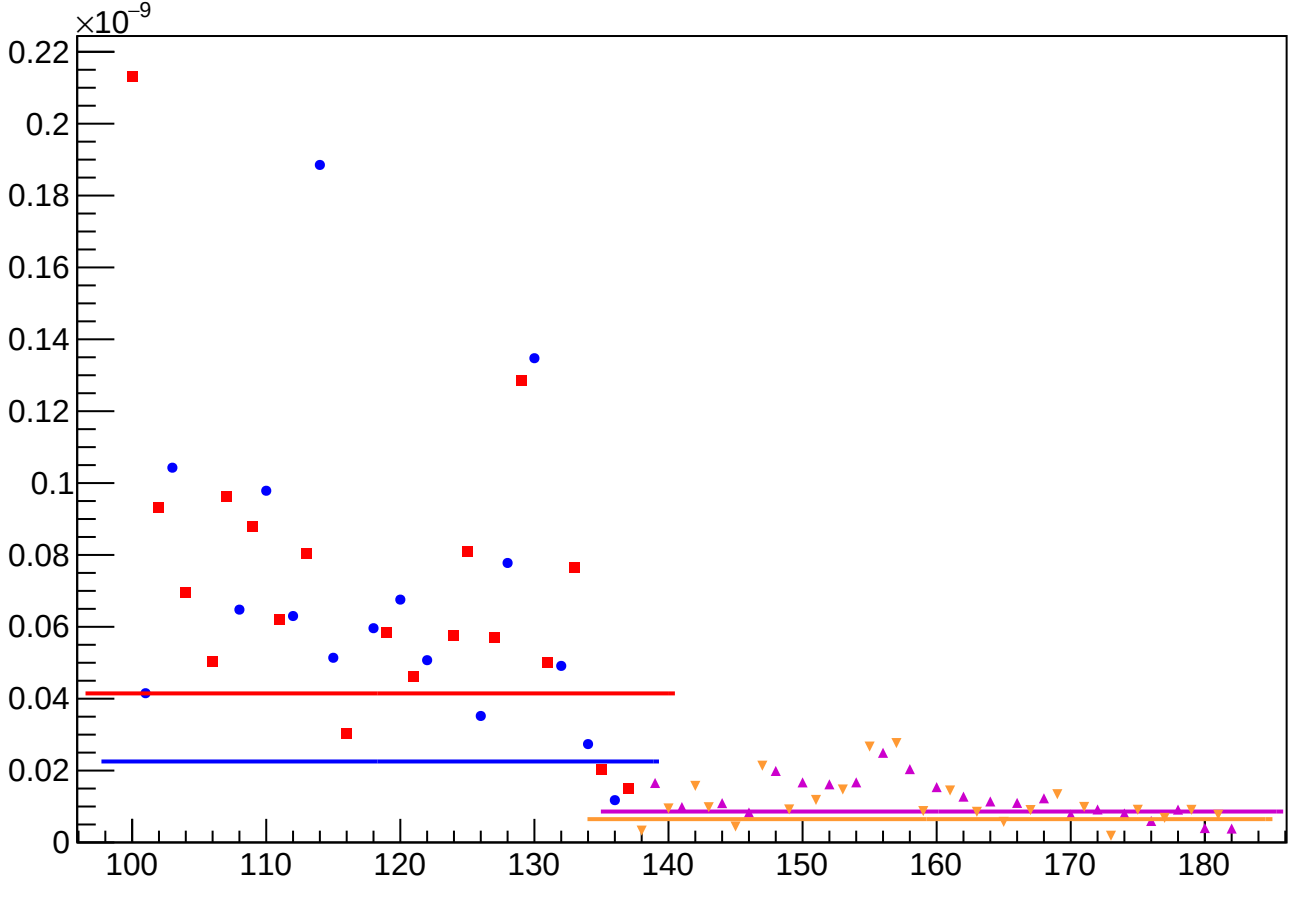
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:26.8/37

Out: -0.000+/-0.000 χ^2/NDF:46.2/41

All: -0.000+/-0.000 χ^2/NDF: 76.5/79

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3721567.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2557289.3/21

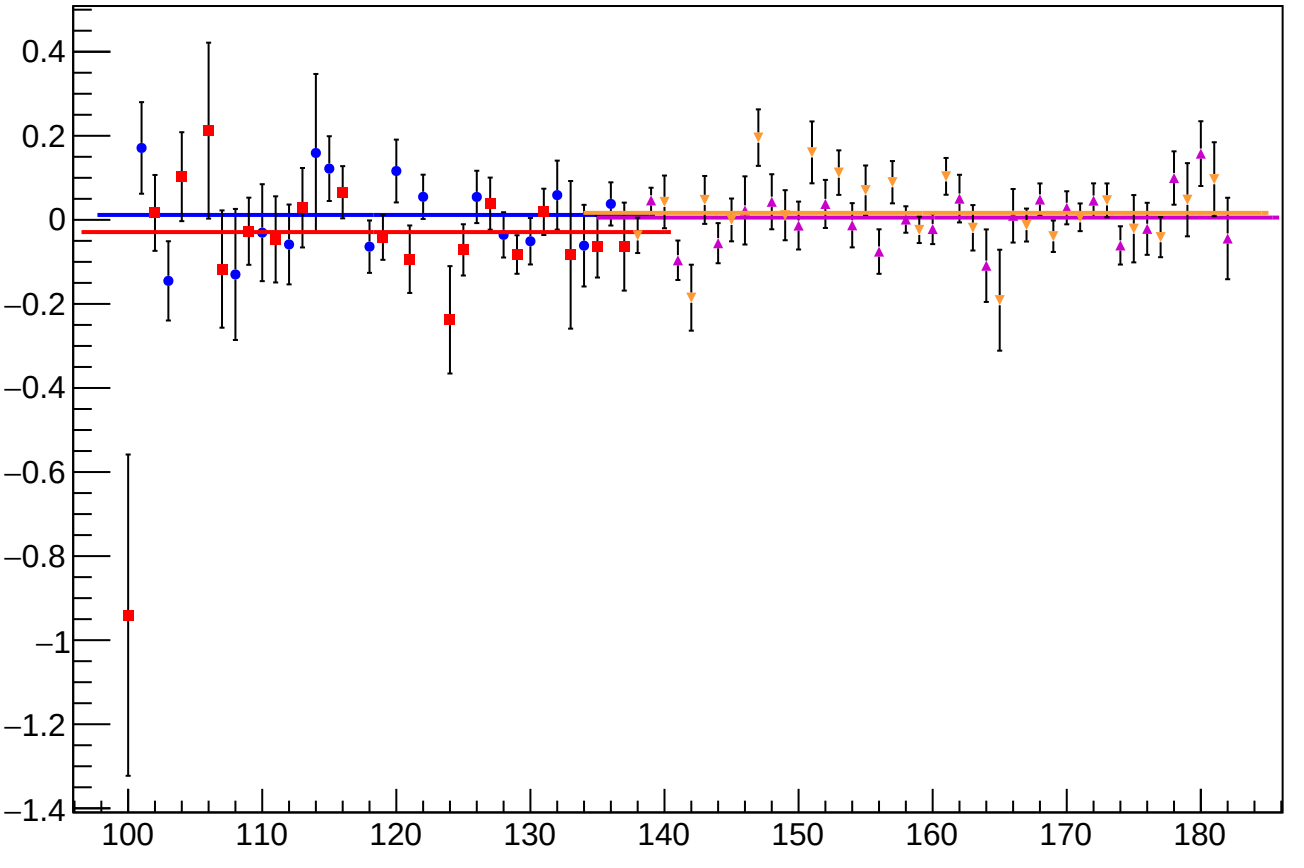
Left: 0.000+/-0.000 χ^2/NDF: 6634555.1/44

Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:6637950.4/37

Out: 0.000+/-0.000 χ^2/NDF:8864265.1/41

All: 0.000+/-0.000 χ^2/NDF: 15934760.7/79



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.017+/-0.010 χ^2/NDF:41.0/22

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.010 χ^2/NDF:25.7/21

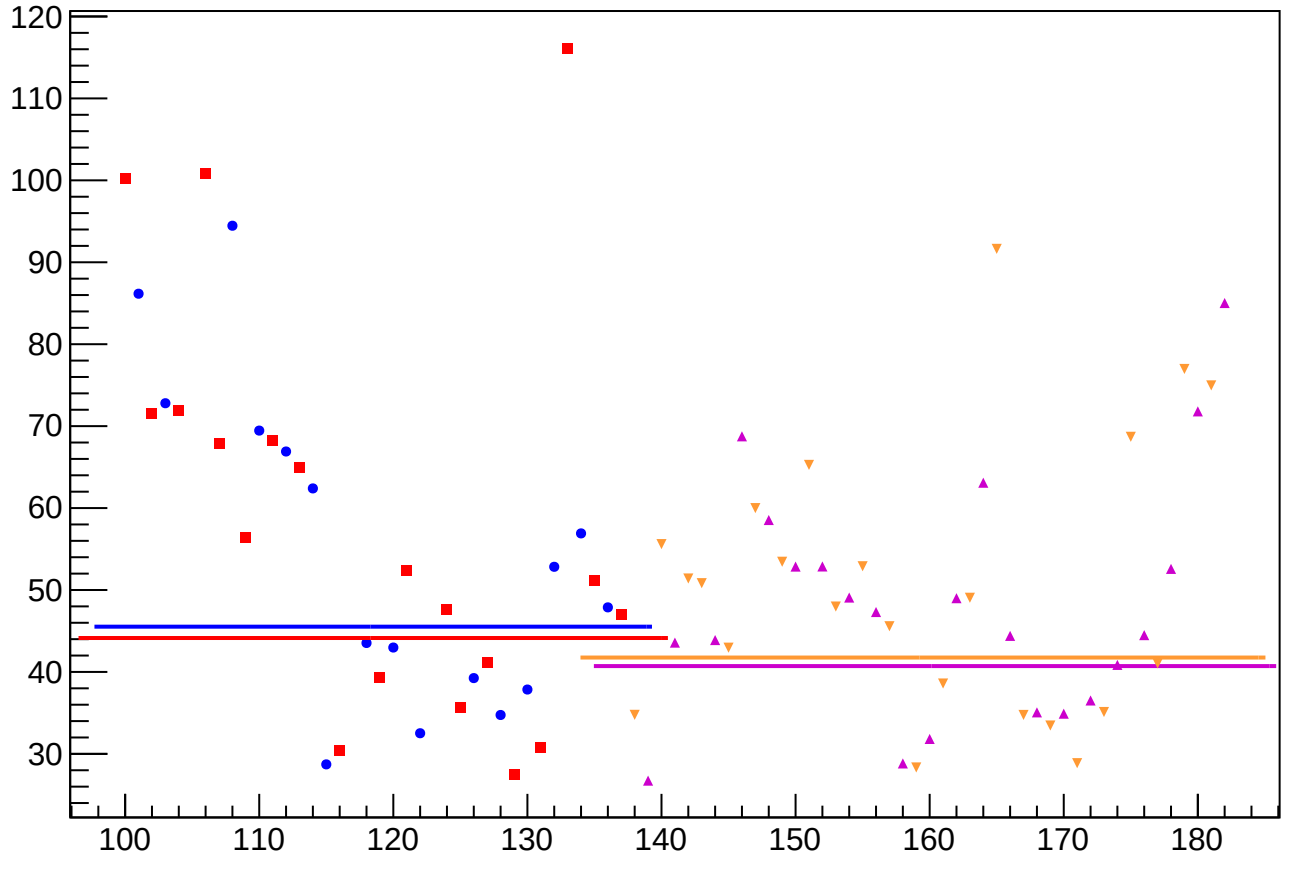
Left: 0.011+/-0.007 χ^2/NDF: 67.3/44

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:42.6/37

Out: 0.005+/-0.009 χ^2/NDF:65.4/41

All: 0.006+/-0.006 χ^2/NDF: 108.1/79



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 41.757+/-0.007 χ^2/NDF:2894938.3/22

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.715+/-0.007 χ^2/NDF:2618132.2/21

Left: 41.228+/-0.005 χ^2/NDF: 5523116.1/44

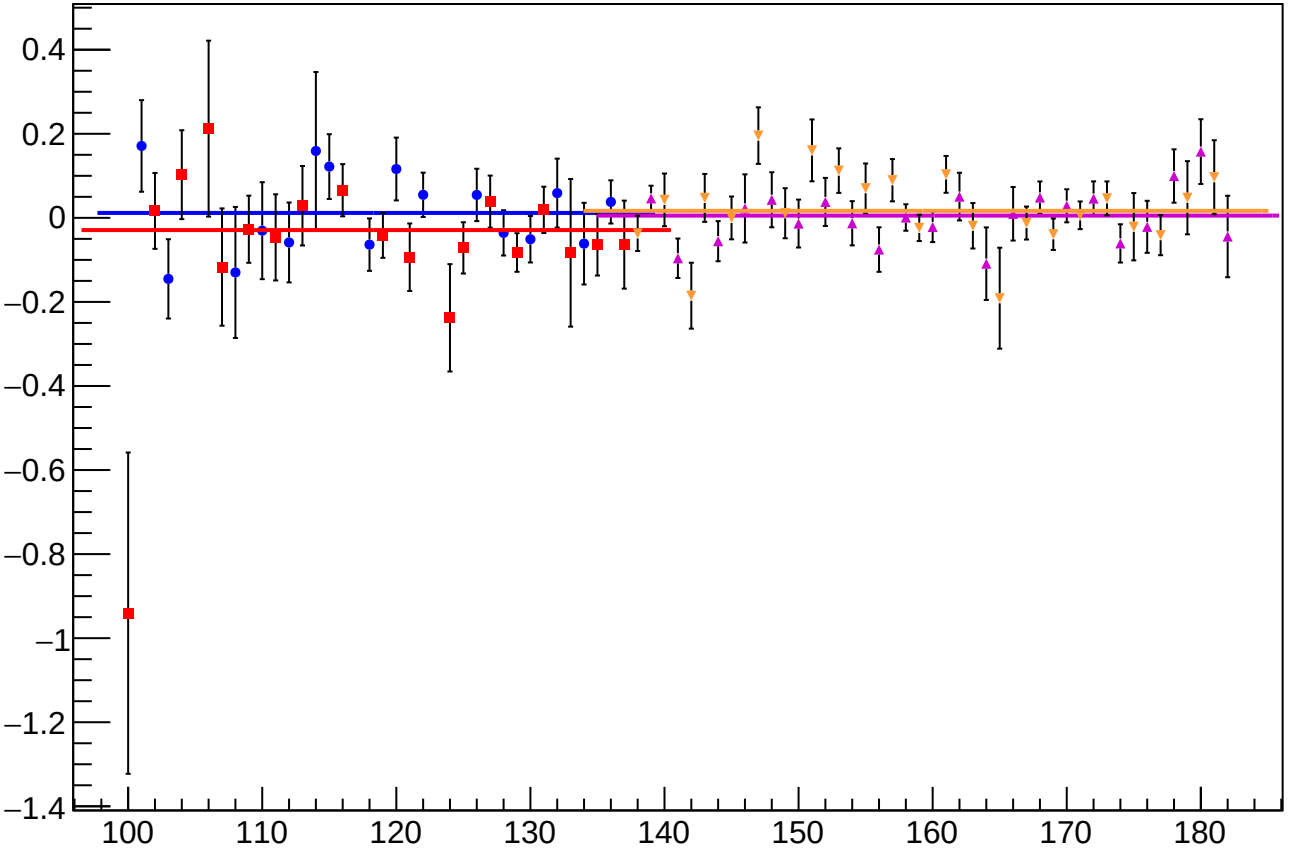
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.874+/-0.006 χ^2/NDF:3976754.0/37

Out: 42.366+/-0.006 χ^2/NDF:4664834.0/41

All: 42.119+/-0.005 χ^2/NDF: 8644559.1/79

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: 0.017+/-0.010 χ^2/NDF:41.0/22

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.010 χ^2/NDF:25.7/21

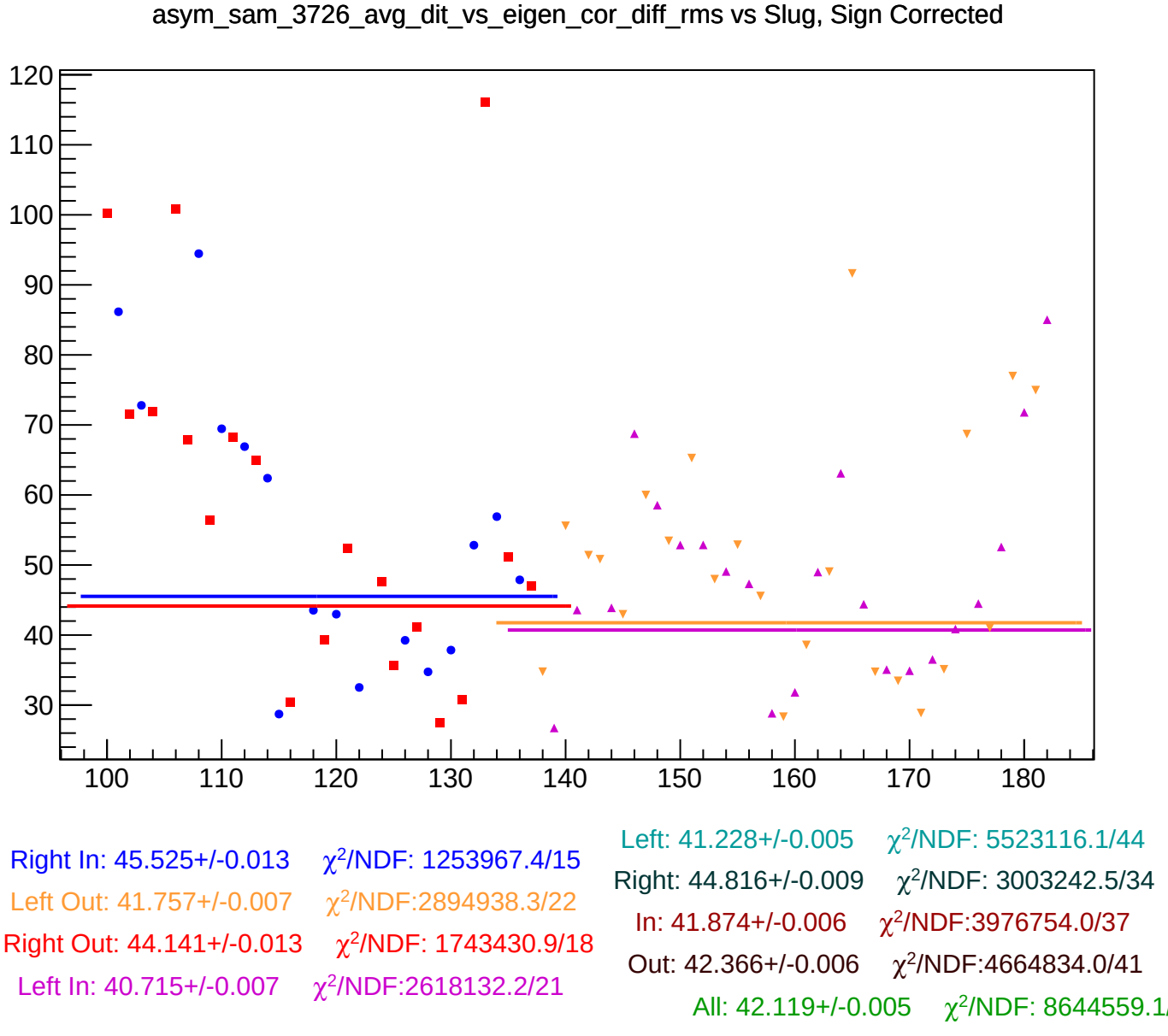
Left: 0.011+/-0.007 χ^2/NDF: 67.3/44

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:42.6/37

Out: 0.005+/-0.009 χ^2/NDF:65.4/41

All: 0.006+/-0.006 χ^2/NDF: 108.1/79


asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
120
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170
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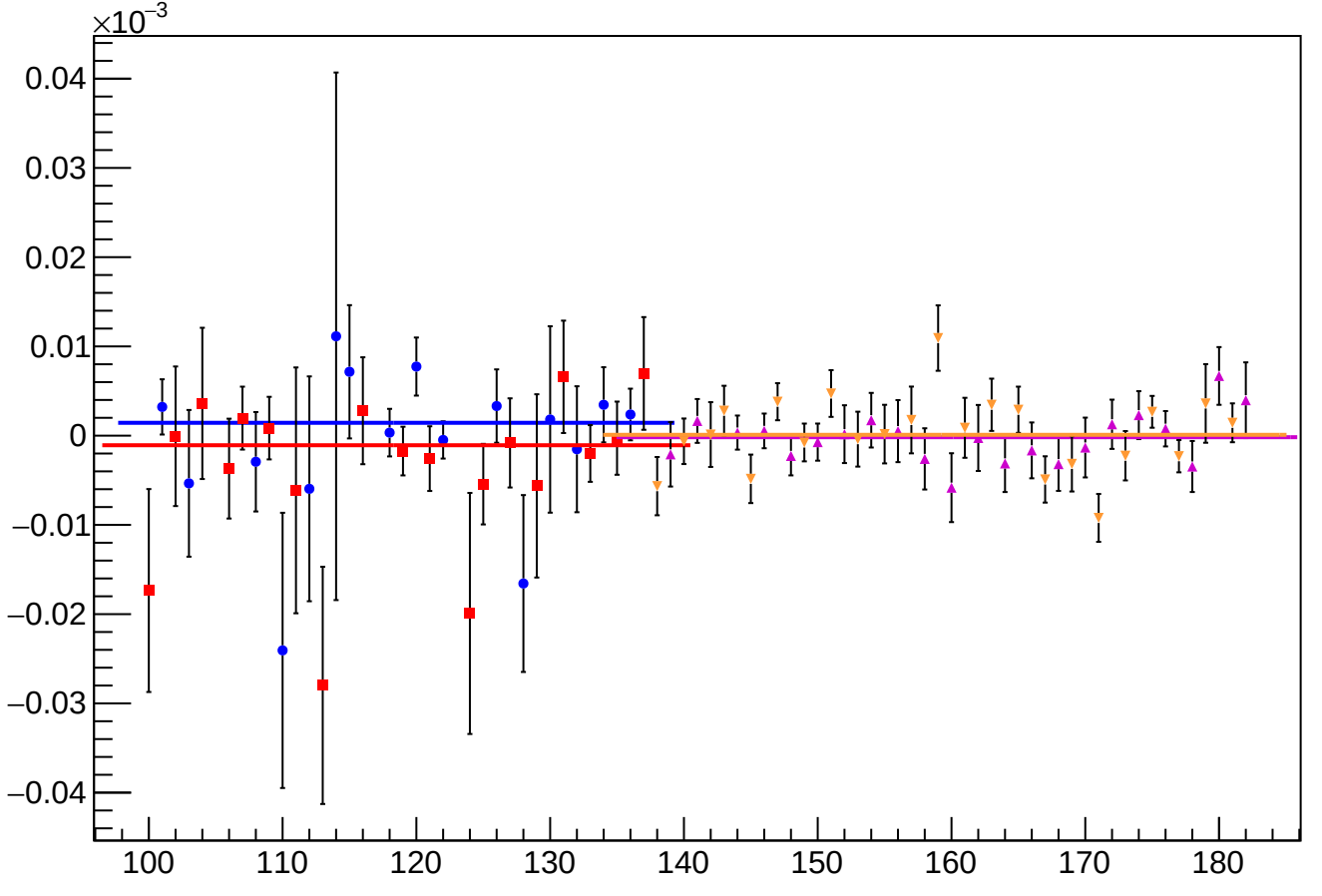
Right In: 45.525+/-0.013 χ2/NDF: 1253967.4/15
Left Out: 41.757+/-0.007 χ2/NDF:2894938.3/22
Right Out: 44.141+/-0.013 χ2/NDF: 1743430.9/18
Left In: 40.715+/-0.007 χ2/NDF:2618132.2/21
Left: 41.228+/-0.005 χ2/NDF: 5523116.1/44
Right: 44.816+/-0.009 χ2/NDF: 3003242.5/34
In: 41.874+/-0.006 χ2/NDF:3976754.0/37
Out: 42.366+/-0.006 χ2/NDF:4664834.0/41
All: 42.119+/-0.005 χ2/NDF: 8644559.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.9/22

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:15.4/21

Left: -0.000+/-0.000 χ^2/NDF: 63.4/44

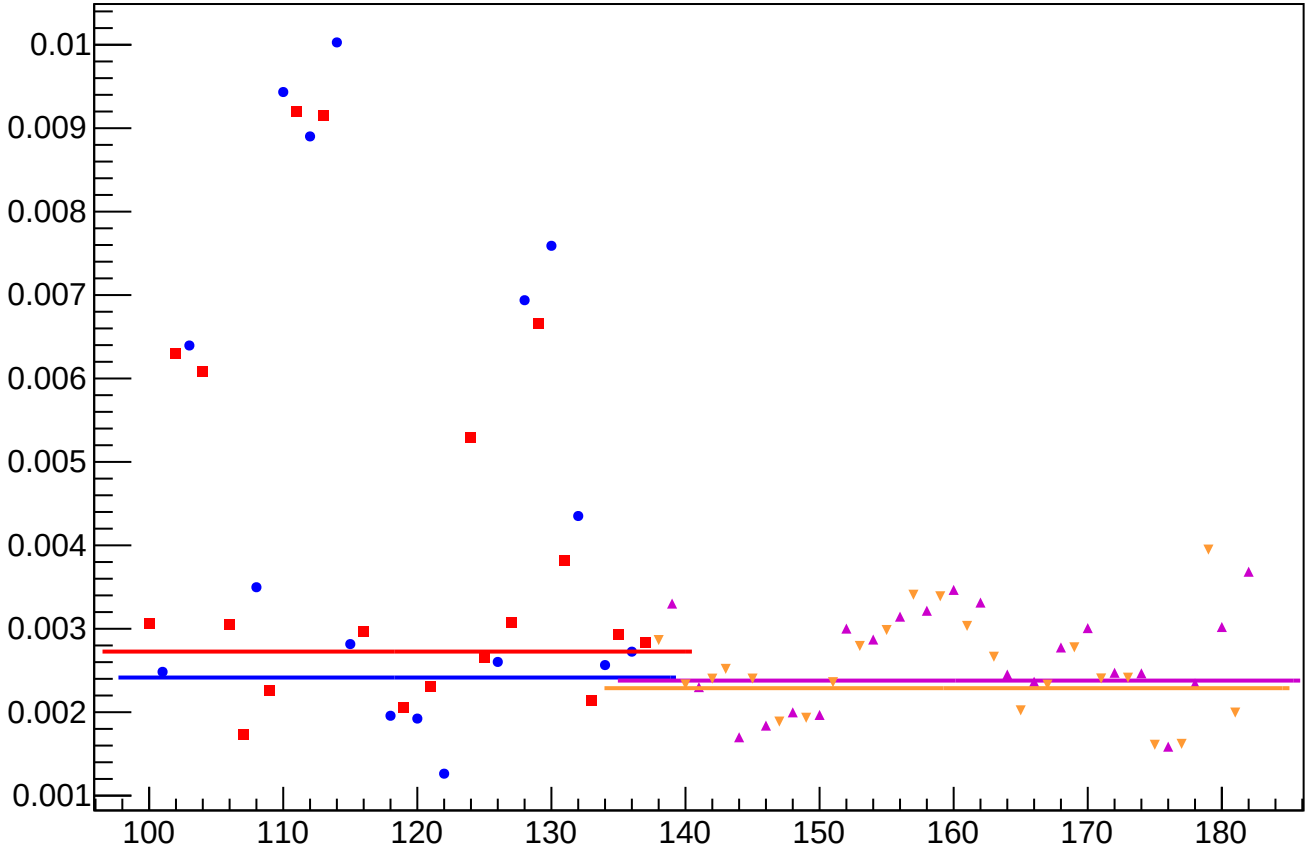
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:31.5/37

Out: -0.000+/-0.000 χ^2/NDF:63.5/41

All: 0.000+/-0.000 χ^2/NDF: 95.2/79

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:1812902.1/22

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2007872.1/21

Left: 0.002+/-0.000 χ^2/NDF: 3846410.6/44

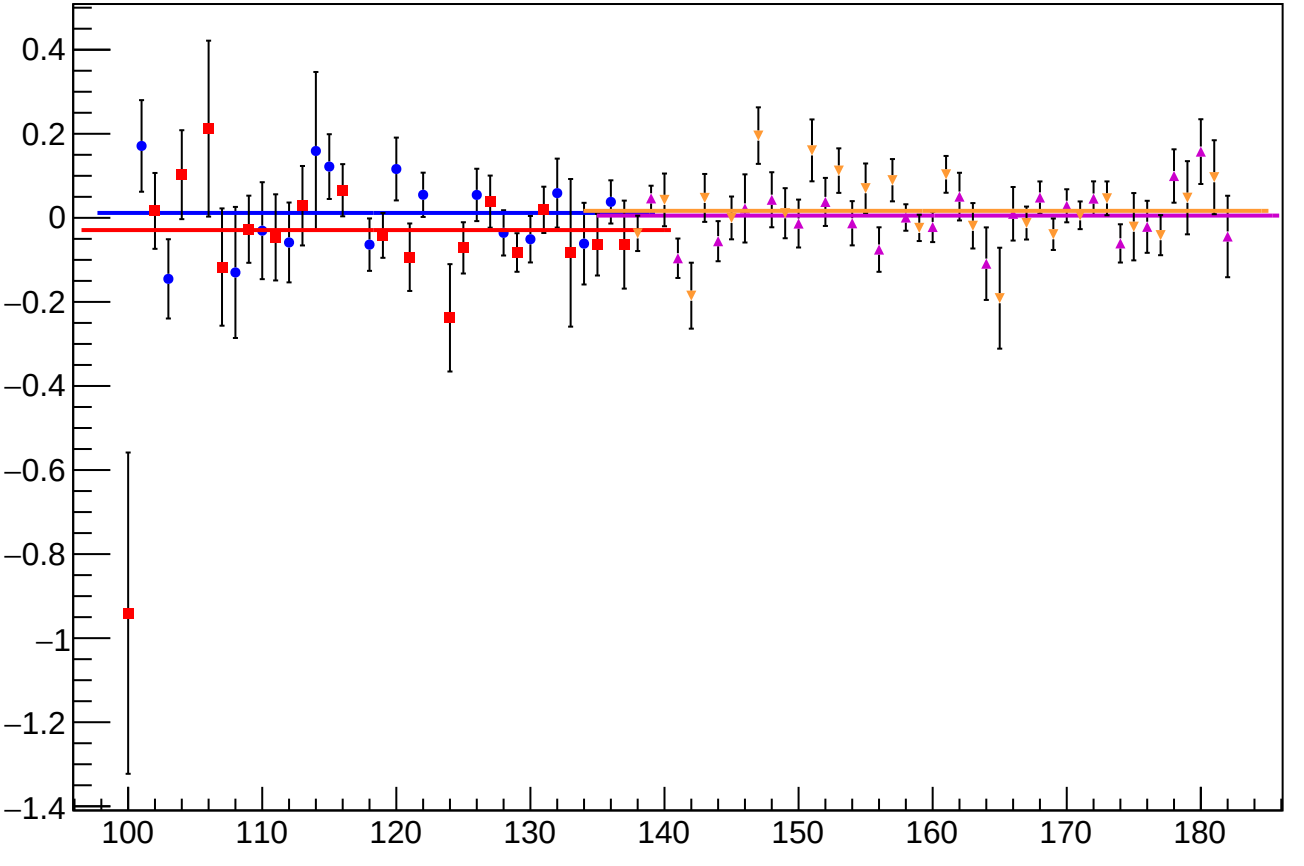
Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:5441859.9/37

Out: 0.002+/-0.000 χ^2/NDF:4564187.8/41

All: 0.002+/-0.000 χ^2/NDF: 10006872.7/79

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: 0.017+/-0.010 χ^2/NDF:41.0/22

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.010 χ^2/NDF:25.7/21

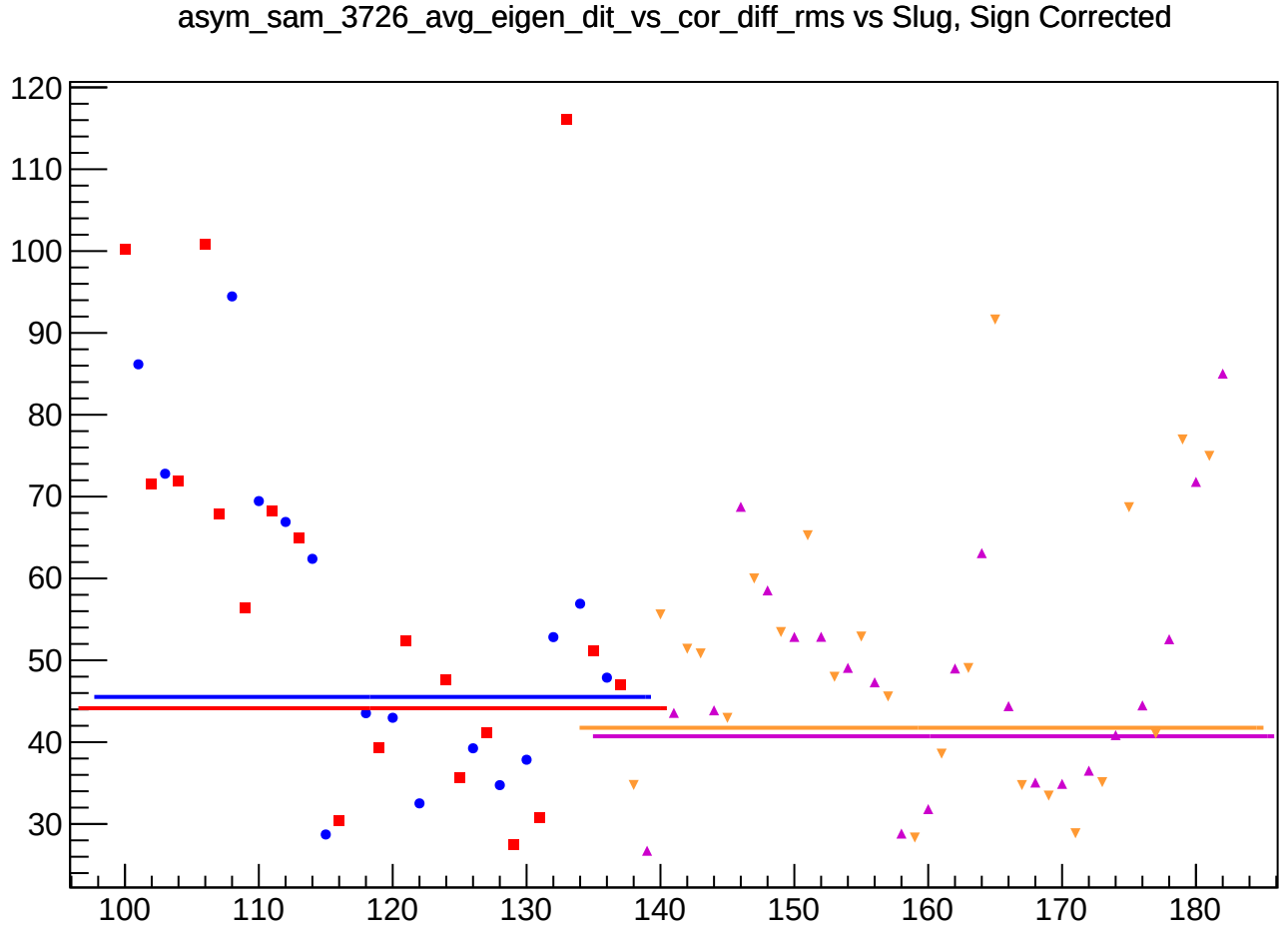
Left: 0.011+/-0.007 χ^2/NDF: 67.3/44

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:42.6/37

Out: 0.005+/-0.009 χ^2/NDF:65.5/41

All: 0.006+/-0.006 χ^2/NDF: 108.1/79



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 41.757+/-0.007 χ^2/NDF:2894972.6/22

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 40.715+/-0.007 χ^2/NDF:2618155.6/21

Left: 41.229+/-0.005 χ^2/NDF: 5523172.6/44

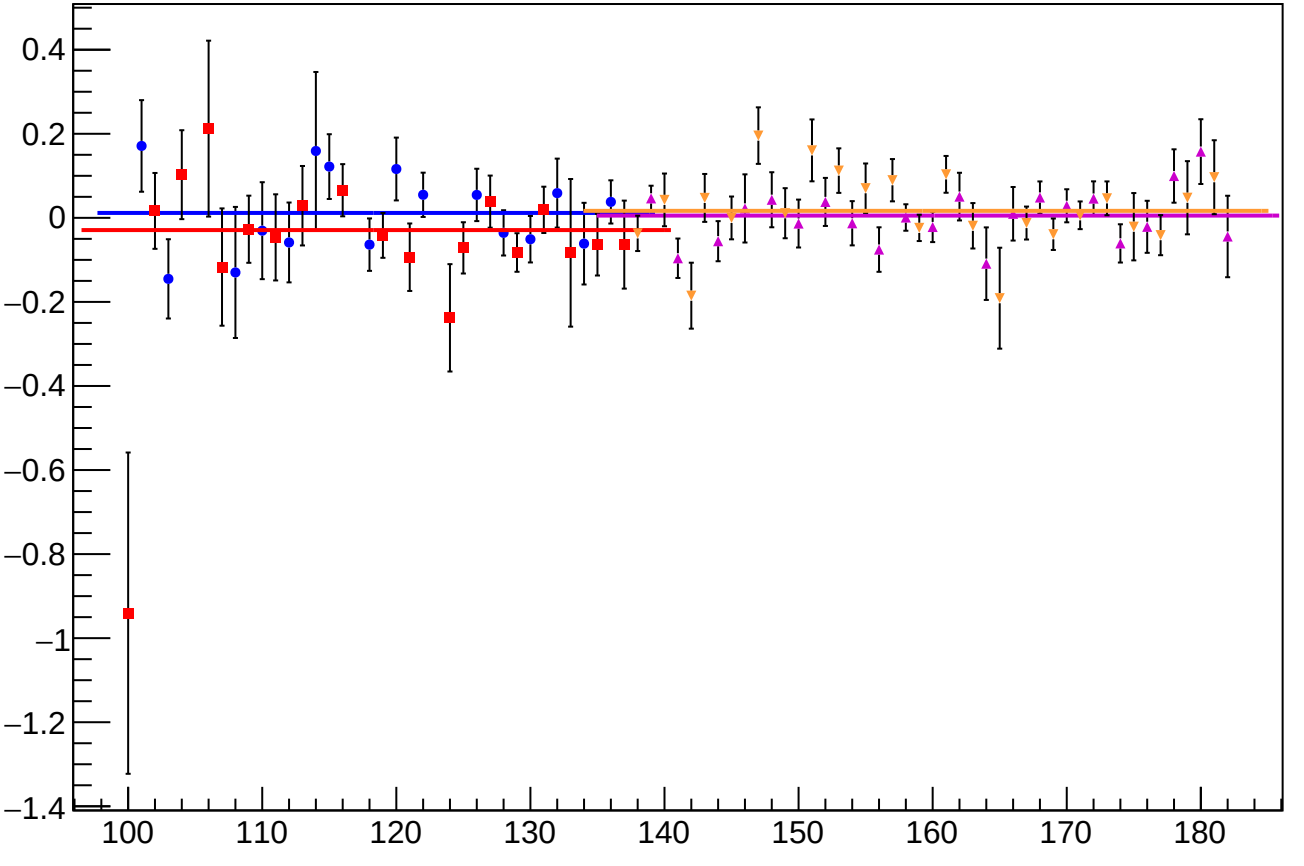
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.875+/-0.006 χ^2/NDF:3976717.3/37

Out: 42.366+/-0.006 χ^2/NDF:4664790.0/41

All: 42.119+/-0.005 χ^2/NDF: 8644478.8/79

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: 0.017+/-0.010 χ^2/NDF:41.0/22

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.010 χ^2/NDF:25.7/21

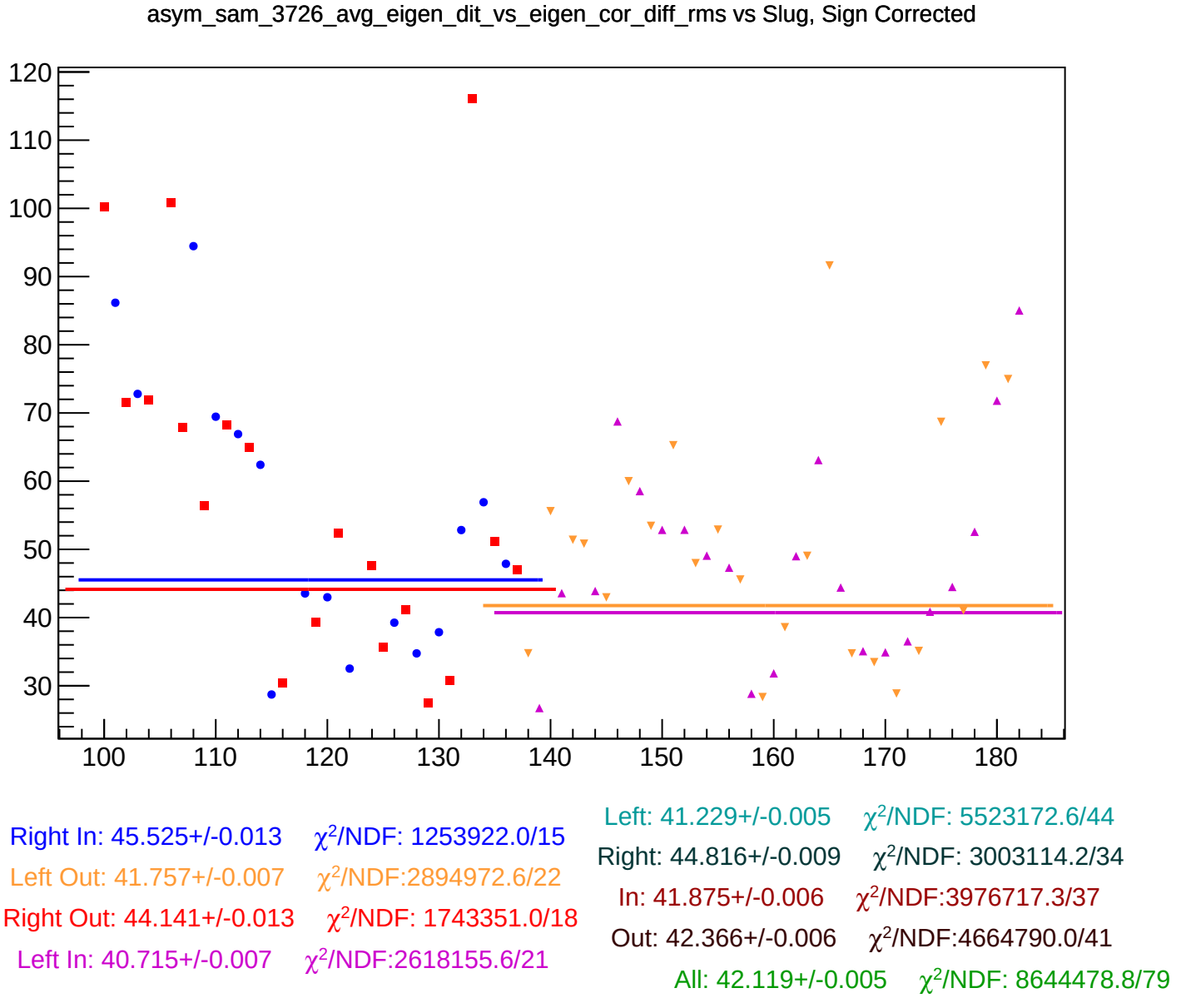
Left: 0.011+/-0.007 χ^2/NDF: 67.3/44

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:42.6/37

Out: 0.005+/-0.009 χ^2/NDF:65.5/41

All: 0.006+/-0.006 χ^2/NDF: 108.1/79


asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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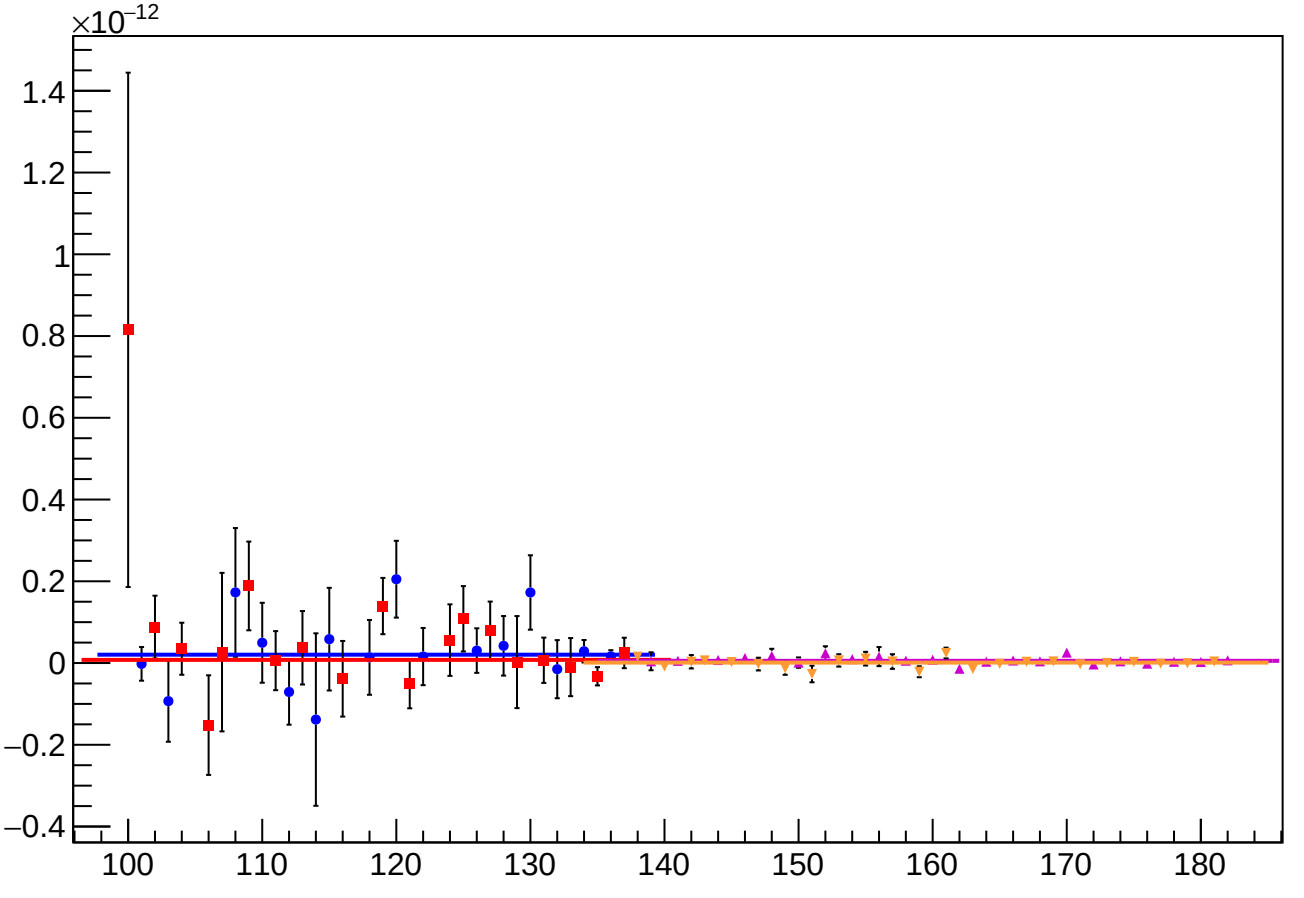
Right In: 45.525+/-0.013 χ²/NDF: 1253922.0/15
Left Out: 41.757+/-0.007 χ²/NDF:2894972.6/22
Right Out: 44.141+/-0.013 χ²/NDF: 1743351.0/18
Left In: 40.715+/-0.007 χ²/NDF:2618155.6/21
Left: 41.229+/-0.005 χ²/NDF: 5523172.6/44
Right: 44.816+/-0.009 χ²/NDF: 3003114.2/34
In: 41.875+/-0.006 χ²/NDF:3976717.3/37
Out: 42.366+/-0.006 χ²/NDF:4664790.0/41
All: 42.119+/-0.005 χ²/NDF: 8644478.8/79

asym_sam_3726_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:14.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/21

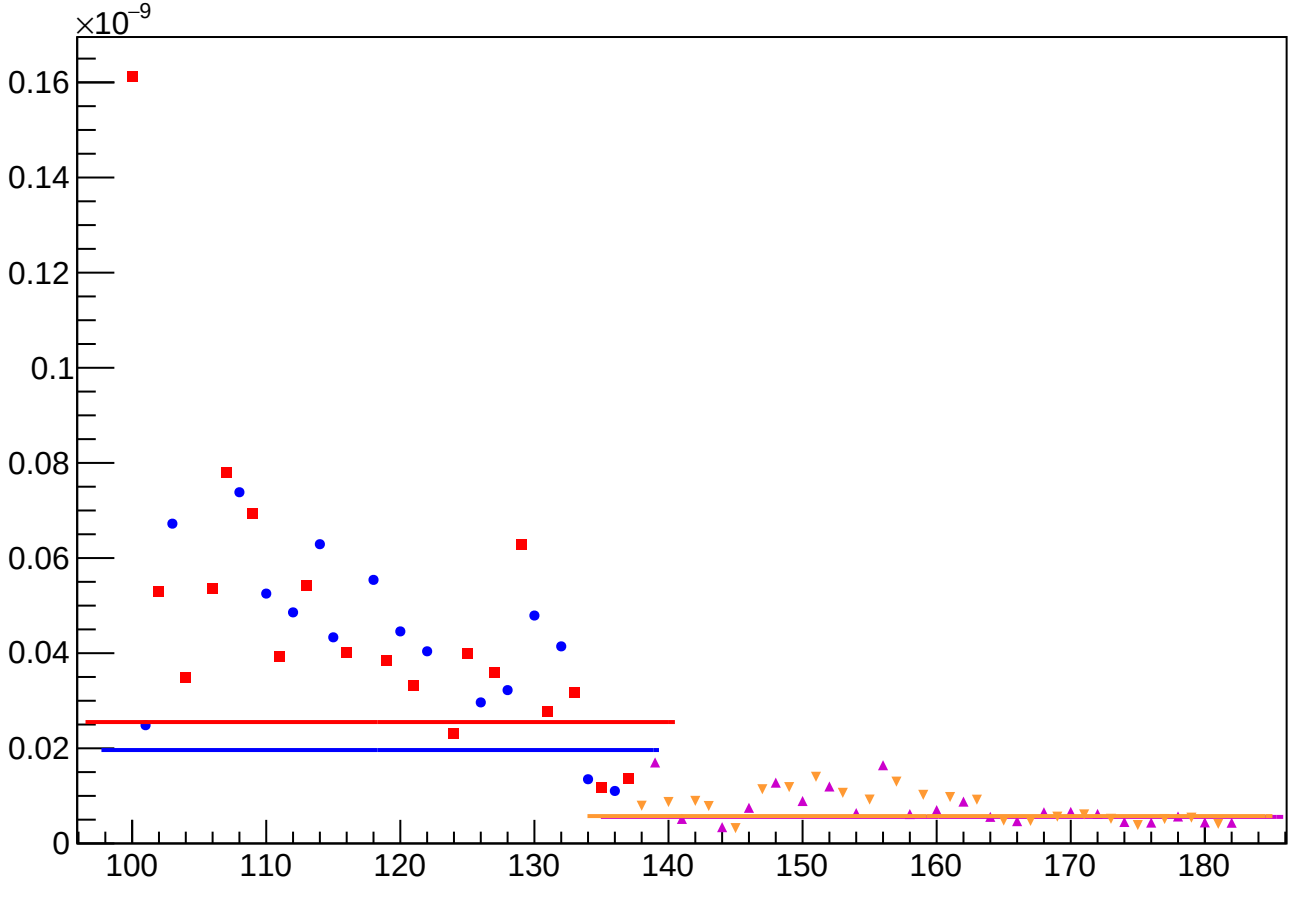
Left: 0.000+/-0.000 χ^2/NDF: 29.8/44

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:26.4/37

Out: 0.000+/-0.000 χ^2/NDF:33.3/41

All: 0.000+/-0.000 χ^2/NDF: 62.8/79



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3363588.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2672027.9/21

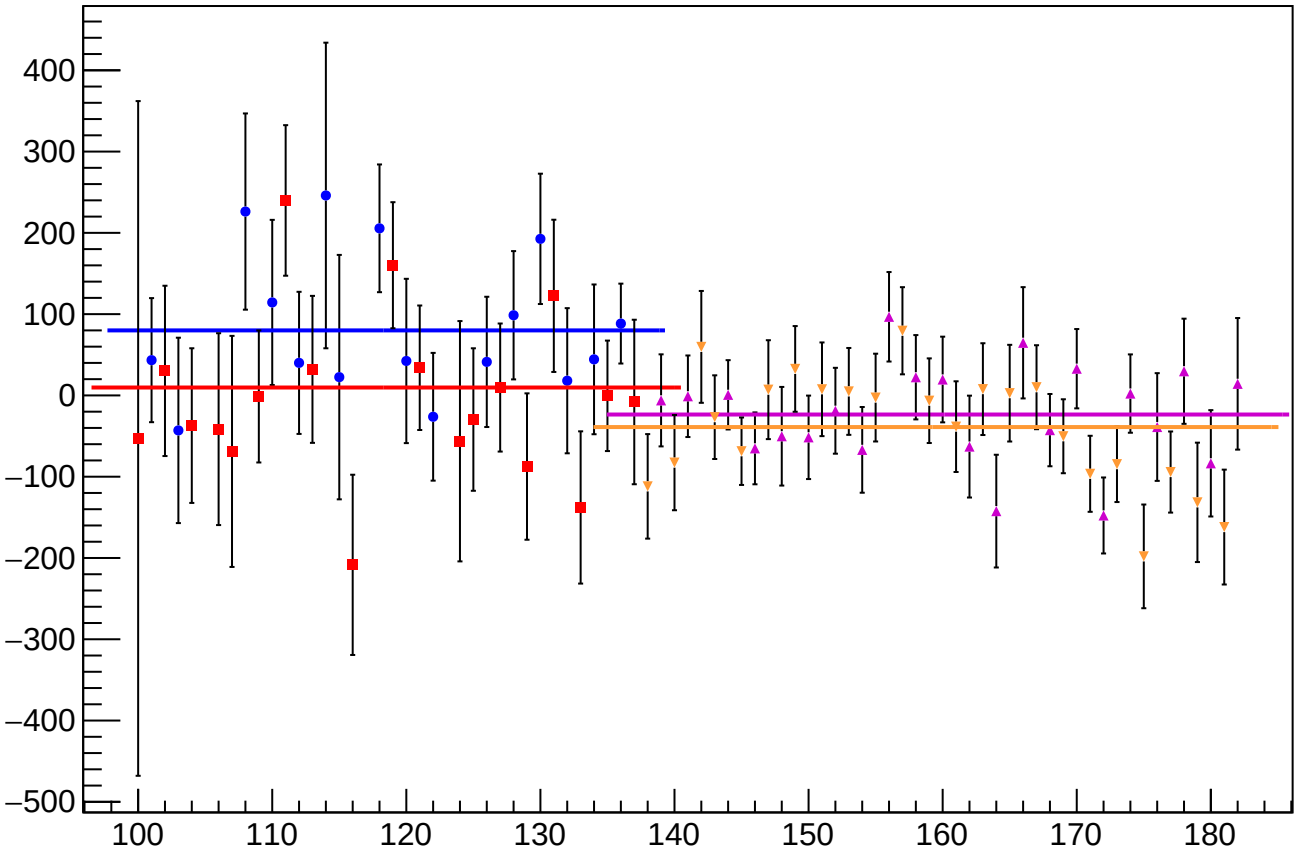
Left: 0.000+/-0.000 χ^2/NDF: 6044199.8/44

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:8992689.4/37

Out: 0.000+/-0.000 χ^2/NDF:10155526.1/41

All: 0.000+/-0.000 χ^2/NDF: 19156495.3/79



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -38.930+/-11.344 χ^2/NDF:30.6/22

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -23.500+/-11.513 χ^2/NDF:24.6/21

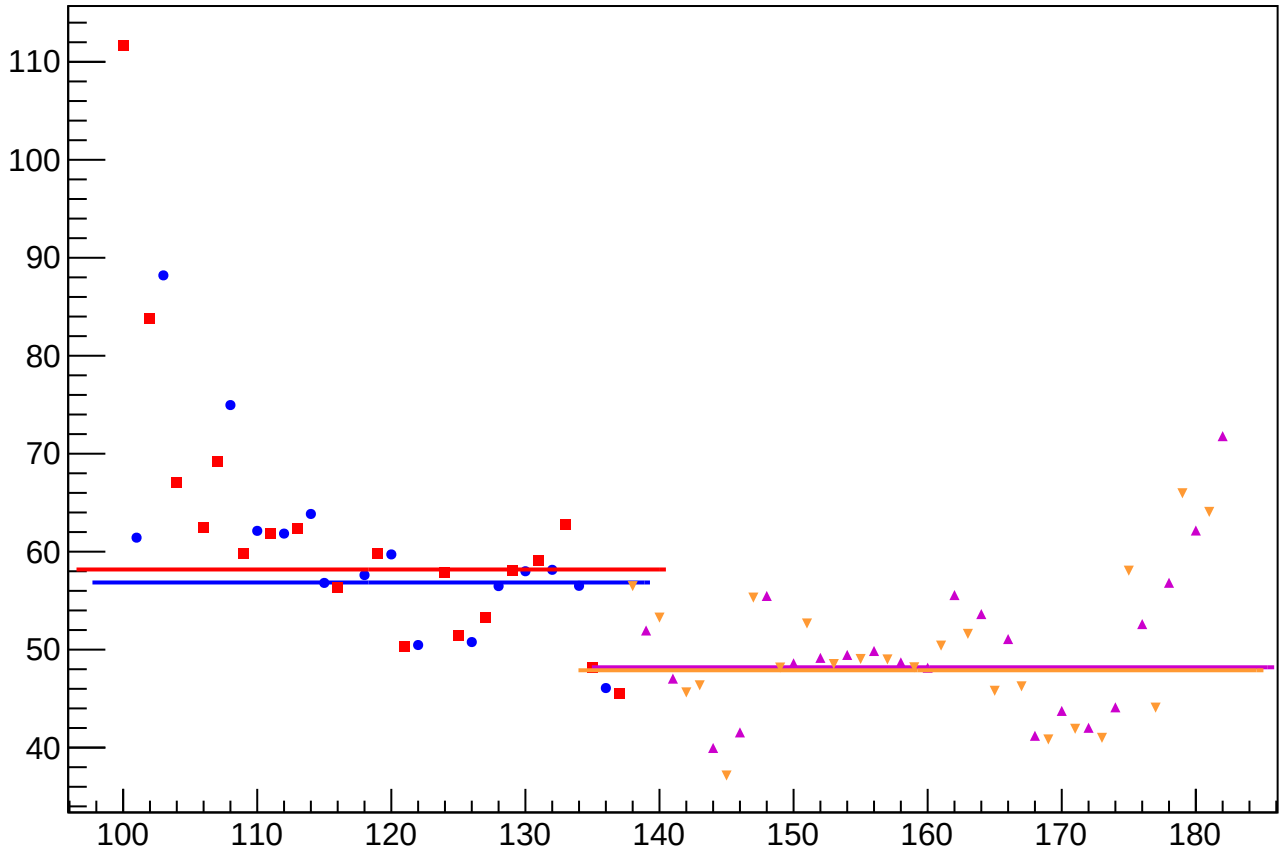
Left: -31.329+/-8.081 χ^2/NDF: 56.1/44

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: -0.394+/-10.147 χ^2/NDF:54.2/37

Out: -28.422+/-10.045 χ^2/NDF:54.9/41

All: -14.549+/-7.139 χ^2/NDF: 112.9/79



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.893+/-0.008 χ^2/NDF:666195.0/22

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 48.198+/-0.008 χ^2/NDF:626741.5/21

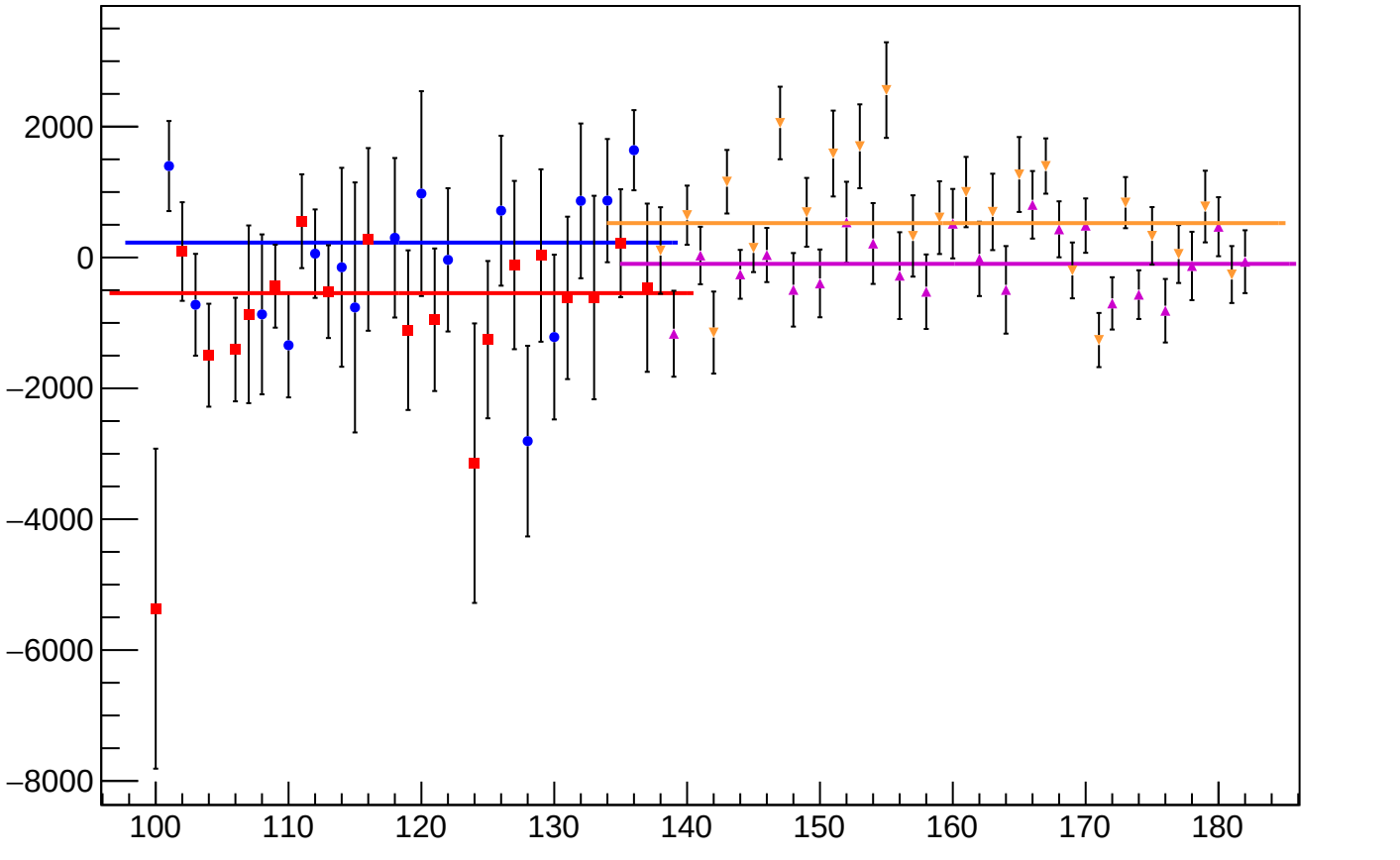
Left: 48.043+/-0.006 χ^2/NDF: 1293651.8/44

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 50.131+/-0.007 χ^2/NDF:1220743.8/37

Out: 50.114+/-0.007 χ^2/NDF:1336086.8/41

All: 50.123+/-0.005 χ^2/NDF: 2556833.3/79



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 525.190+/-104.029 χ^2/NDF:65.7/22

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -97.439+/-103.959 χ^2/NDF:21.7/21

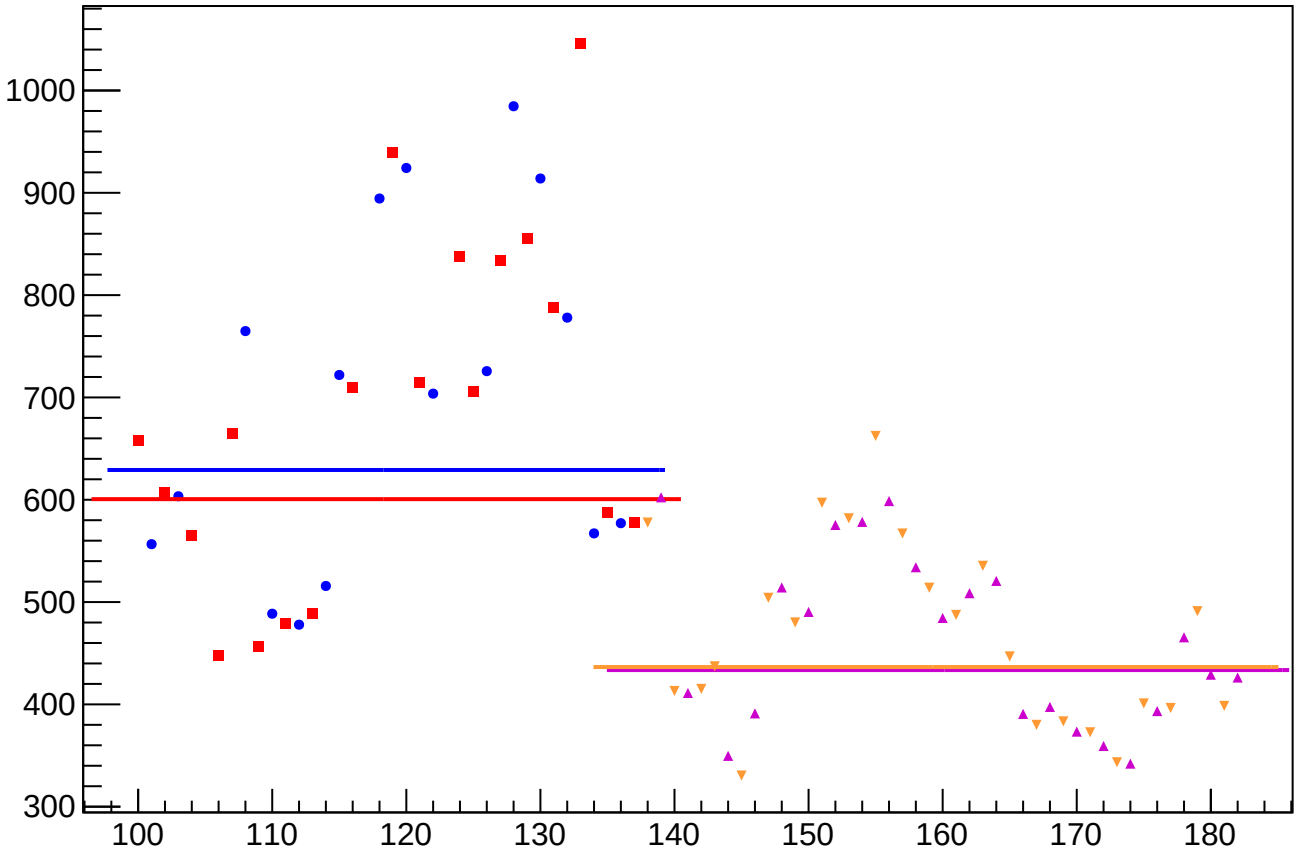
Left: 213.665+/-73.535 χ^2/NDF: 105.3/44

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -46.540+/-95.471 χ^2/NDF:44.9/37

Out: 339.808+/-94.589 χ^2/NDF:97.4/41

All: 148.426+/-67.194 χ^2/NDF: 150.5/79



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 436.488+/-0.074 χ^2/NDF:1216150.8/22

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 433.532+/-0.074 χ^2/NDF:1094370.4/21

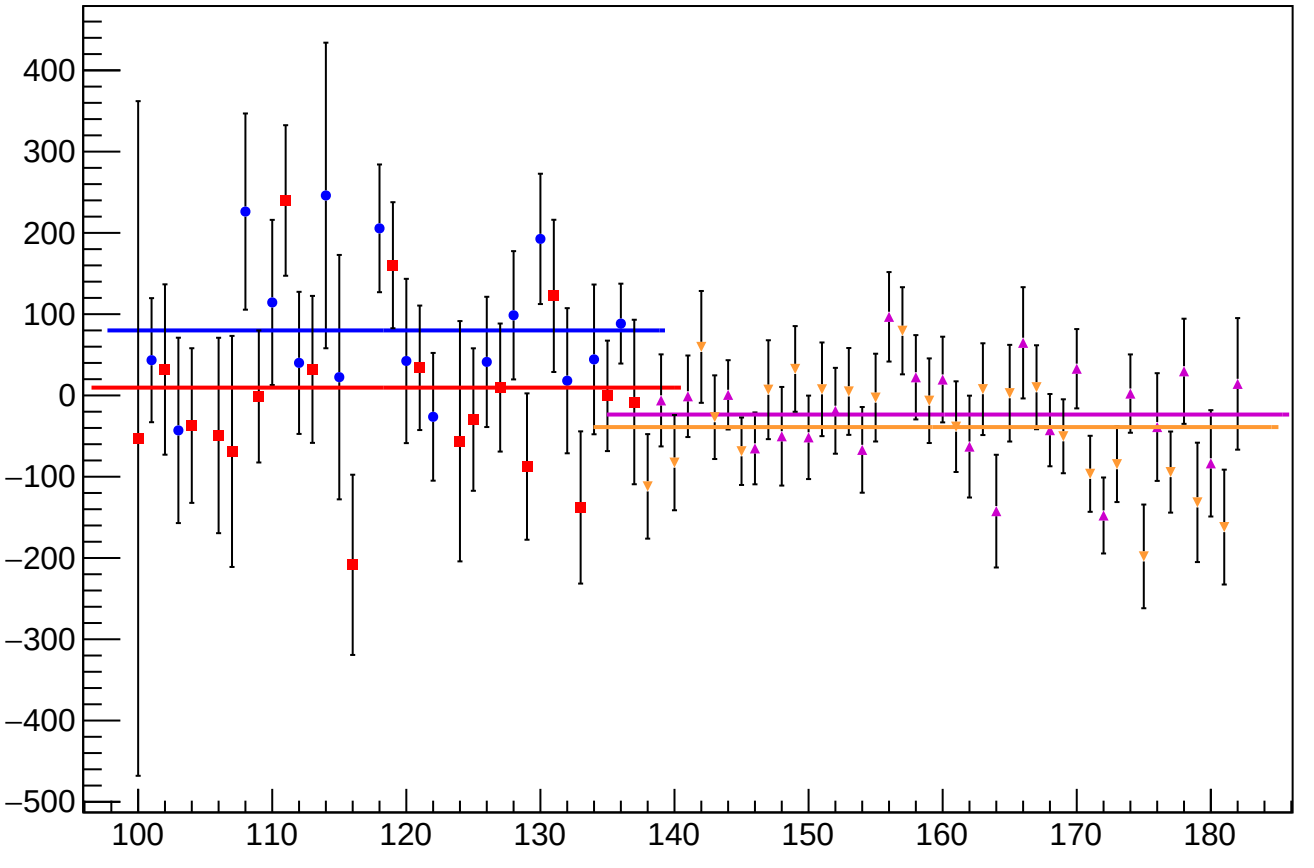
Left: 435.009+/-0.052 χ^2/NDF: 2311329.4/44

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 464.165+/-0.068 χ^2/NDF:2895699.0/37

Out: 464.921+/-0.067 χ^2/NDF:2953070.2/41

All: 464.546+/-0.048 χ^2/NDF: 5848832.7/79



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -38.933+/-11.344 χ^2/NDF:30.6/22

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -23.502+/-11.513 χ^2/NDF:24.6/21

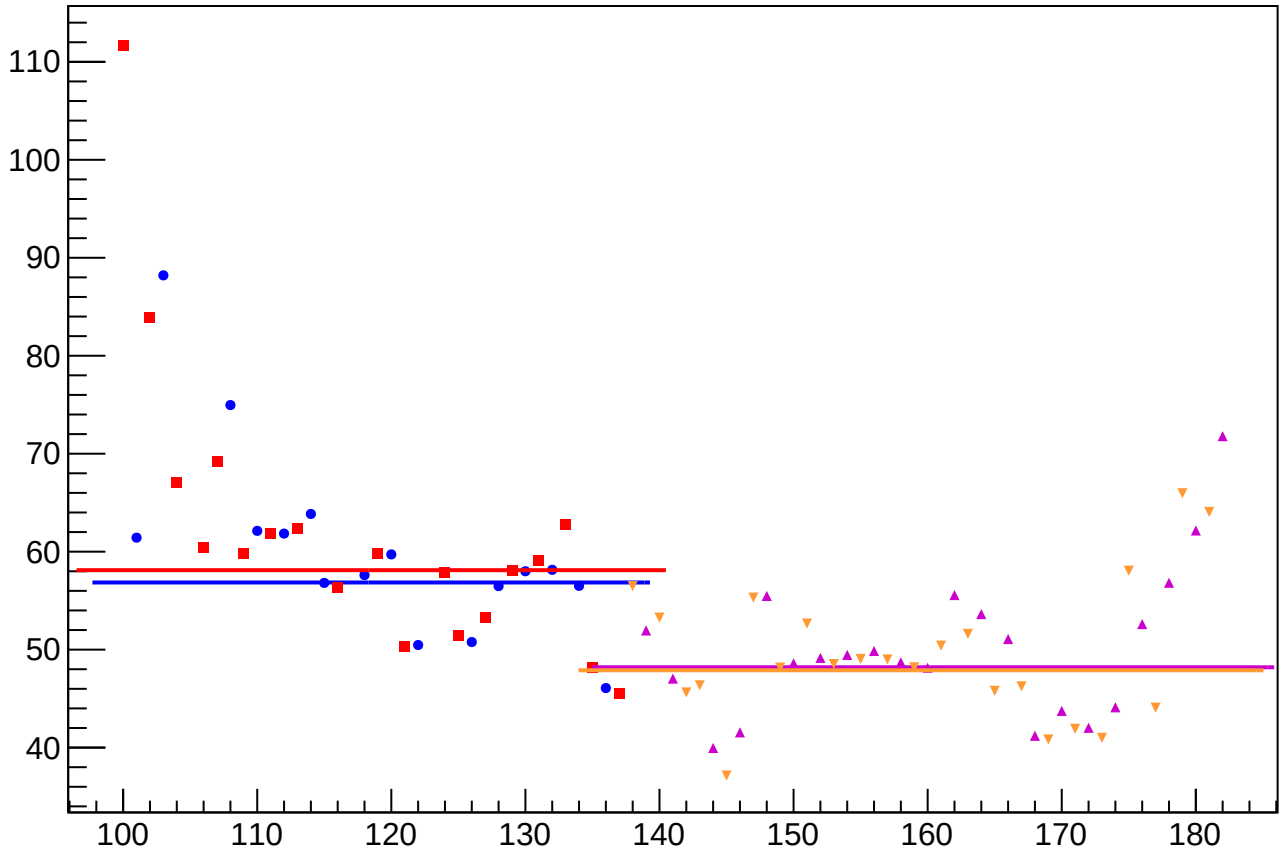
Left: -31.331+/-8.081 χ^2/NDF: 56.1/44

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: -0.394+/-10.147 χ^2/NDF:54.2/37

Out: -28.460+/-10.047 χ^2/NDF:55.0/41

All: -14.566+/-7.139 χ^2/NDF: 113.0/79



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.893+/-0.008 χ^2/NDF:666195.0/22

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 48.198+/-0.008 χ^2/NDF:626741.5/21

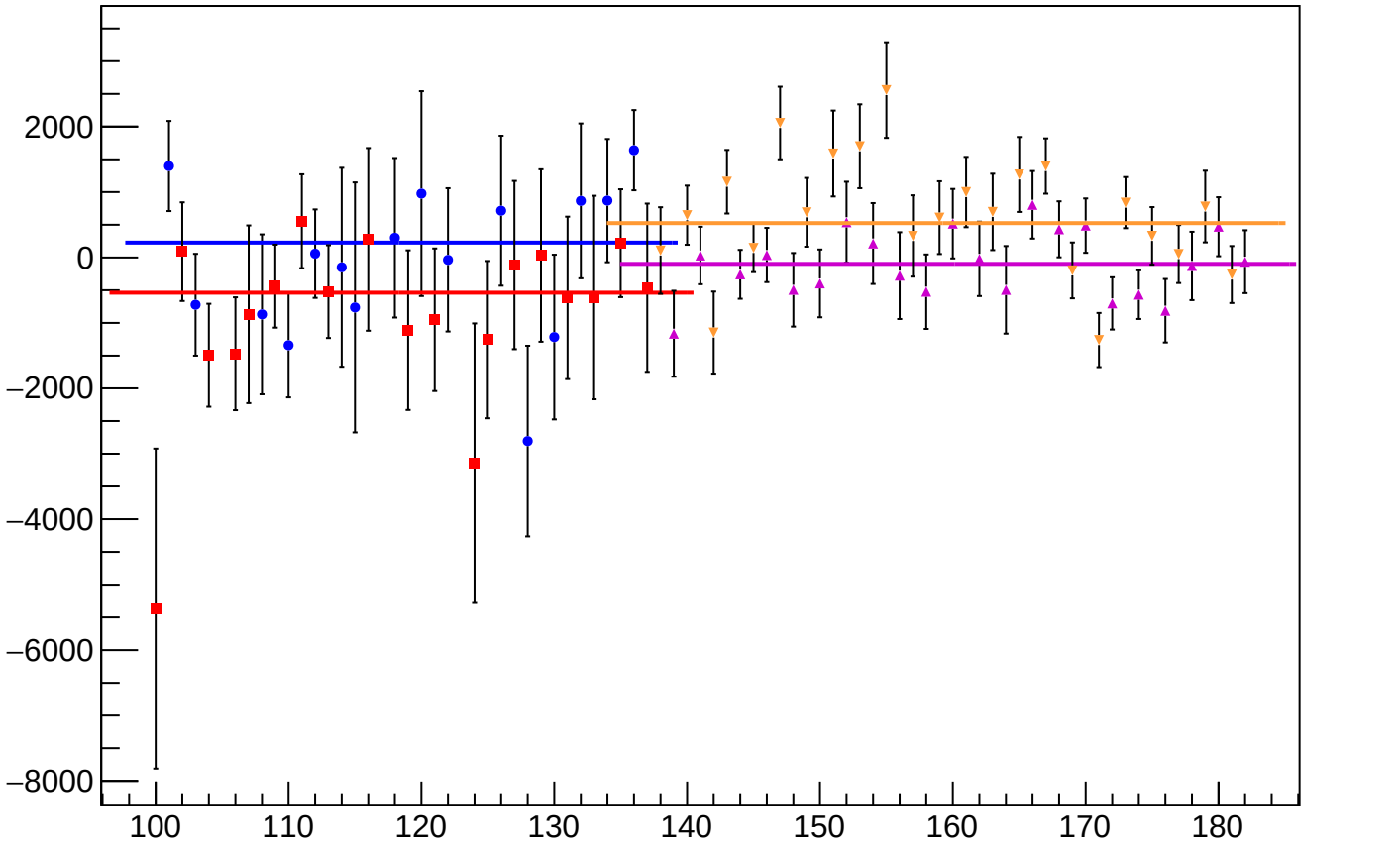
Left: 48.043+/-0.006 χ^2/NDF: 1293651.9/44

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.131+/-0.007 χ^2/NDF:1220747.9/37

Out: 50.097+/-0.007 χ^2/NDF:1329152.8/41

All: 50.114+/-0.005 χ^2/NDF: 2549912.0/79



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 525.188+/-104.029 χ^2/NDF:65.7/22

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -97.443+/-103.959 χ^2/NDF:21.7/21

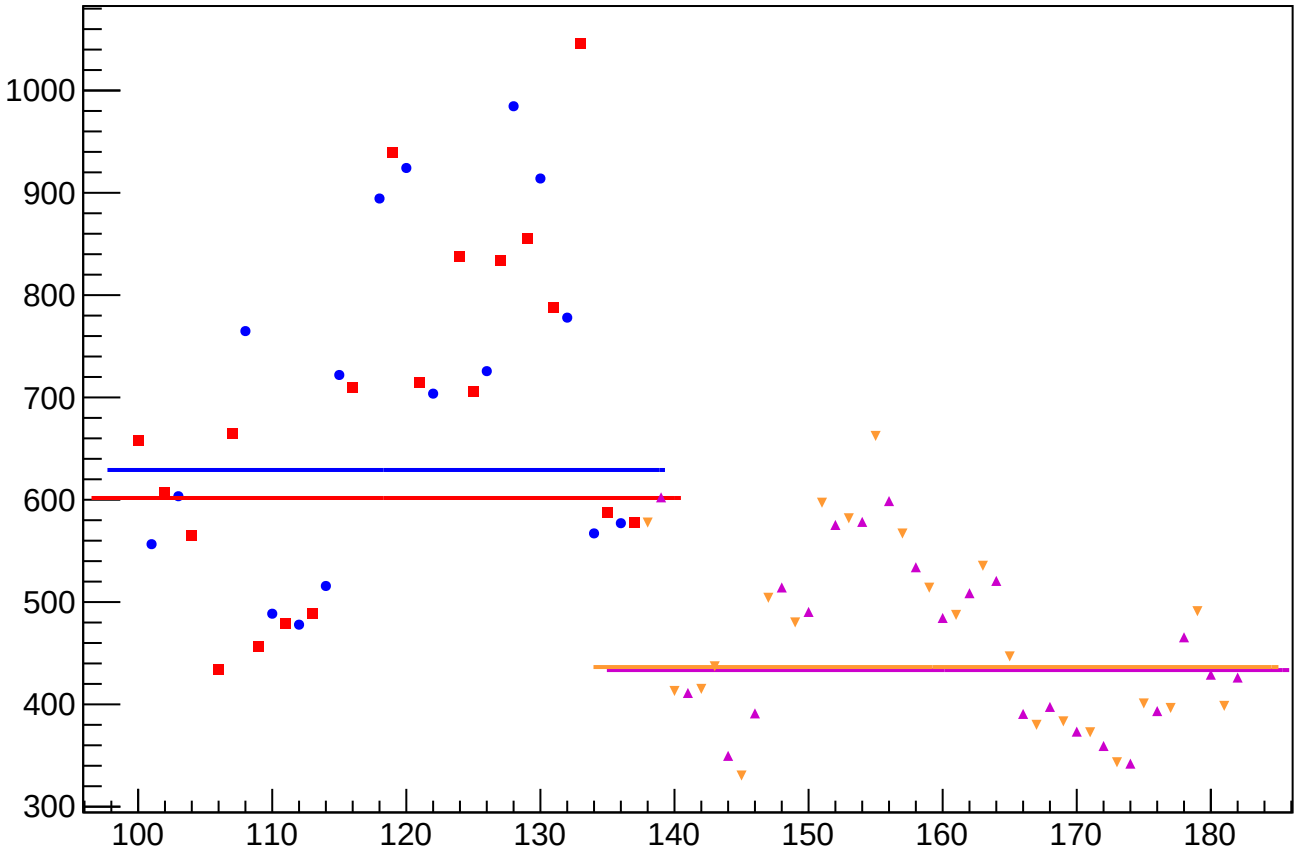
Left: 213.662+/-73.535 χ^2/NDF: 105.3/44

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -46.538+/-95.471 χ^2/NDF:44.9/37

Out: 342.969+/-94.697 χ^2/NDF:96.9/41

All: 149.800+/-67.233 χ^2/NDF: 150.2/79



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 436.488+/-0.074 χ^2/NDF:1216149.8/22

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 433.532+/-0.074 χ^2/NDF:1094370.2/21

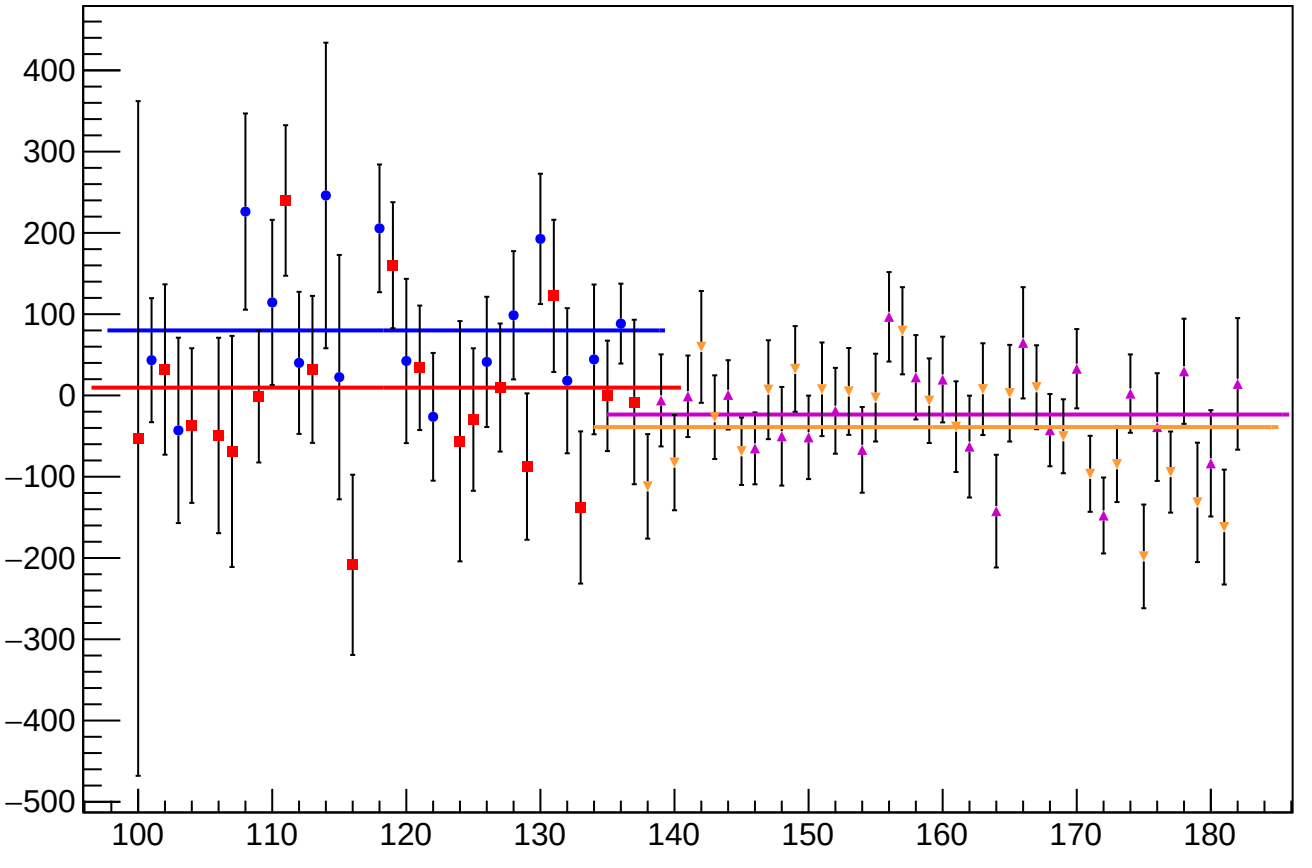
Left: 435.009+/-0.052 χ^2/NDF: 2311328.1/44

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 464.165+/-0.068 χ^2/NDF:2895729.0/37

Out: 464.804+/-0.067 χ^2/NDF:2954845.9/41

All: 464.487+/-0.048 χ^2/NDF: 5850620.1/79



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -38.933+/-11.344 χ^2/NDF:30.6/22

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -23.502+/-11.513 χ^2/NDF:24.6/21

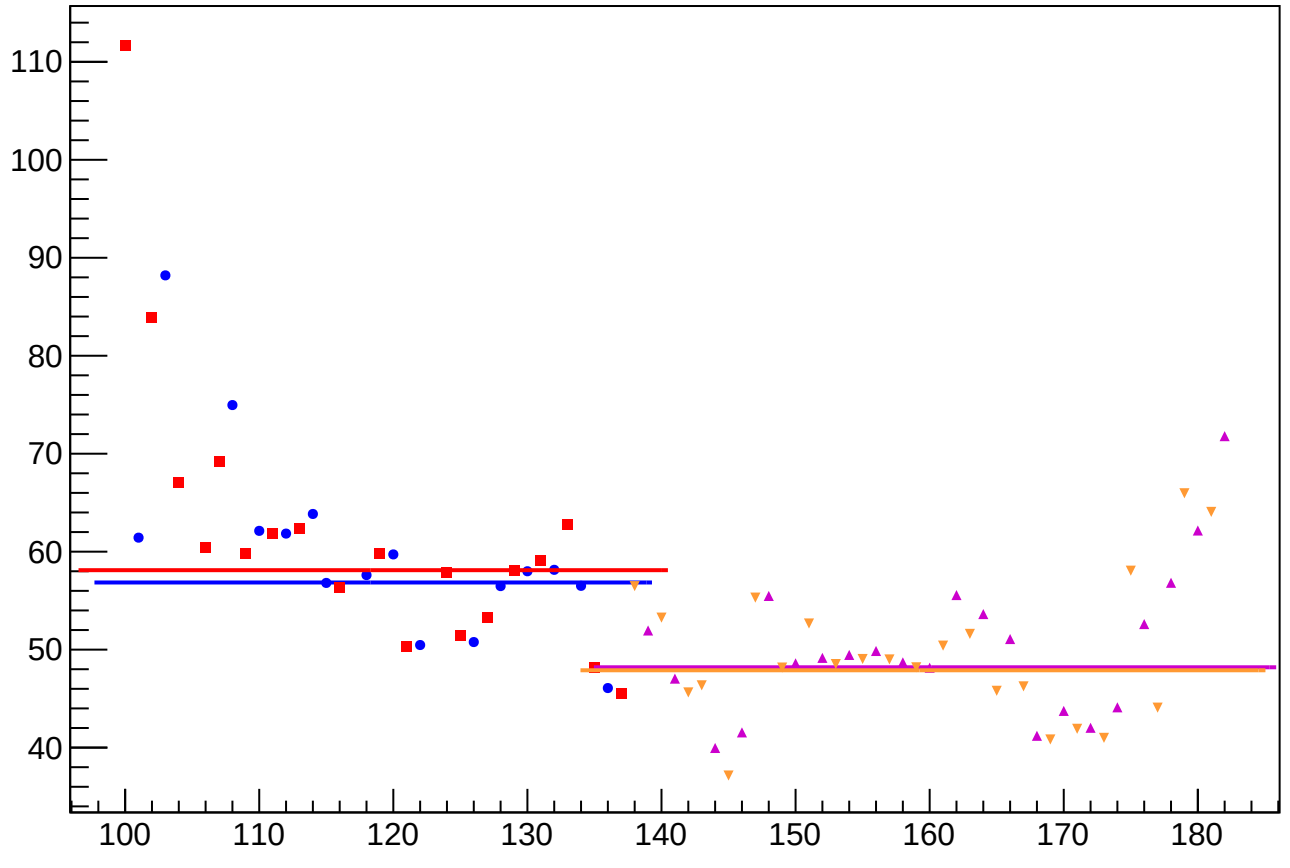
Left: -31.331+/-8.081 χ^2/NDF: 56.1/44

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: -0.394+/-10.147 χ^2/NDF:54.2/37

Out: -28.460+/-10.047 χ^2/NDF:55.0/41

All: -14.566+/-7.139 χ^2/NDF: 113.0/79



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.893+/-0.008 χ^2/NDF:666195.0/22

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 48.198+/-0.008 χ^2/NDF:626741.5/21

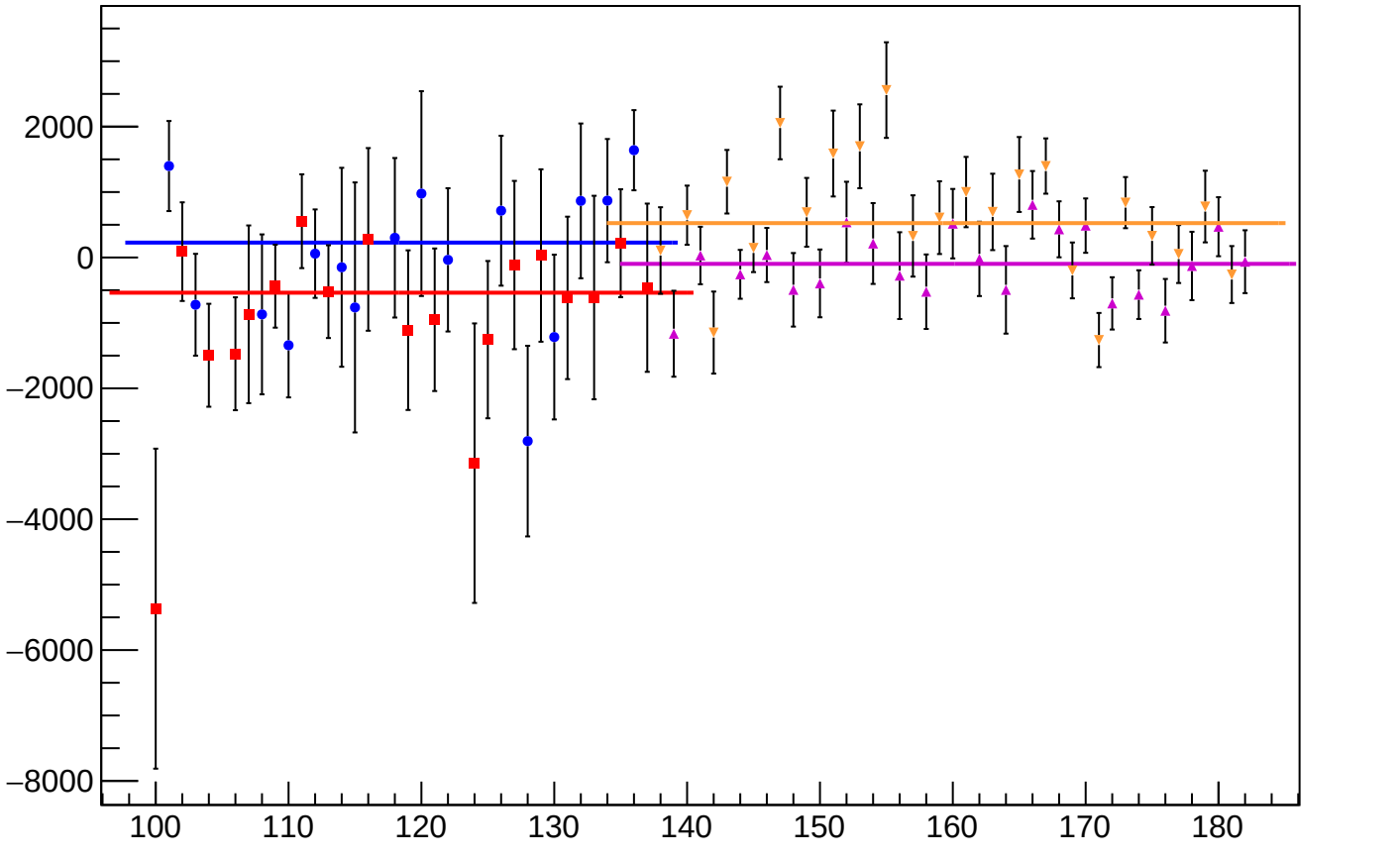
Left: 48.043+/-0.006 χ^2/NDF: 1293651.9/44

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.131+/-0.007 χ^2/NDF:1220747.9/37

Out: 50.097+/-0.007 χ^2/NDF:1329152.8/41

All: 50.114+/-0.005 χ^2/NDF: 2549912.0/79



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 525.188+/-104.029 χ^2/NDF:65.7/22

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -97.443+/-103.959 χ^2/NDF:21.7/21

Left: 213.662+/-73.535 χ^2/NDF: 105.3/44

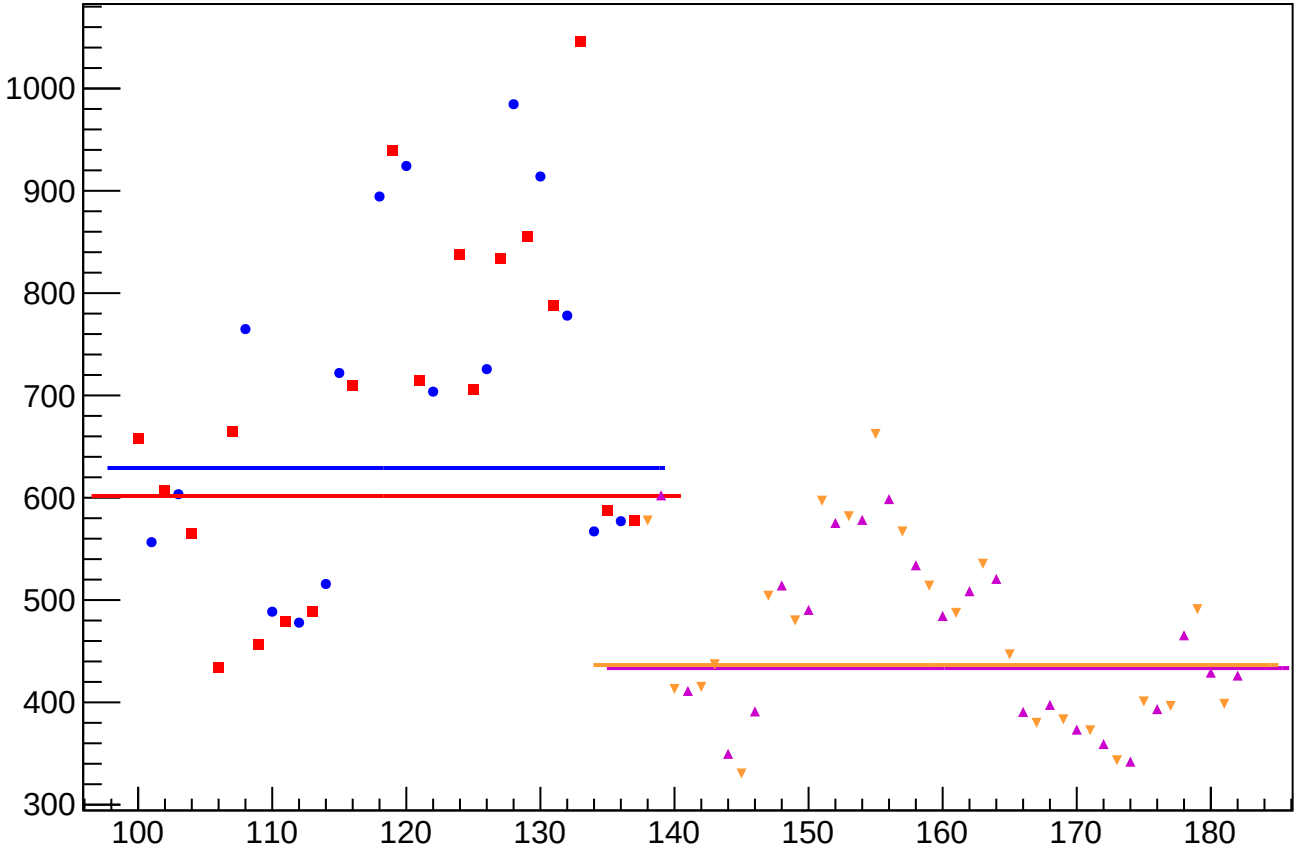
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -46.538+/-95.471 χ^2/NDF:44.9/37

Out: 342.969+/-94.697 χ^2/NDF:96.9/41

All: 149.800+/-67.233 χ^2/NDF: 150.2/79

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: 436.488+/-0.074 χ^2/NDF:1216149.8/22

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 433.532+/-0.074 χ^2/NDF:1094370.2/21

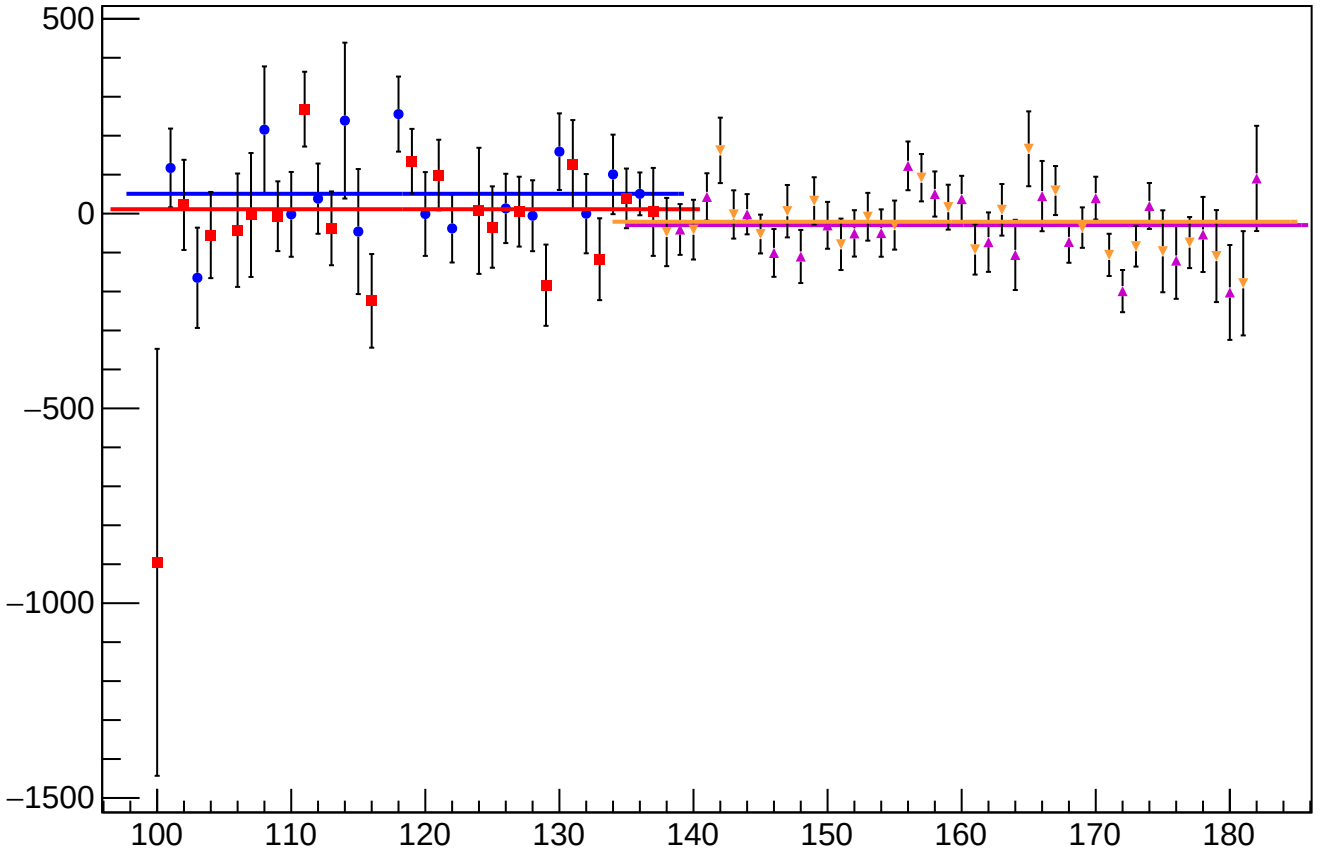
Left: 435.009+/-0.052 χ^2/NDF: 2311328.1/44

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 464.165+/-0.068 χ^2/NDF:2895729.0/37

Out: 464.804+/-0.067 χ^2/NDF:2954845.9/41

All: 464.487+/-0.048 χ^2/NDF: 5850620.1/79



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -20.872+/-13.768 χ^2/NDF:25.0/22

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -29.463+/-14.020 χ^2/NDF:32.0/21

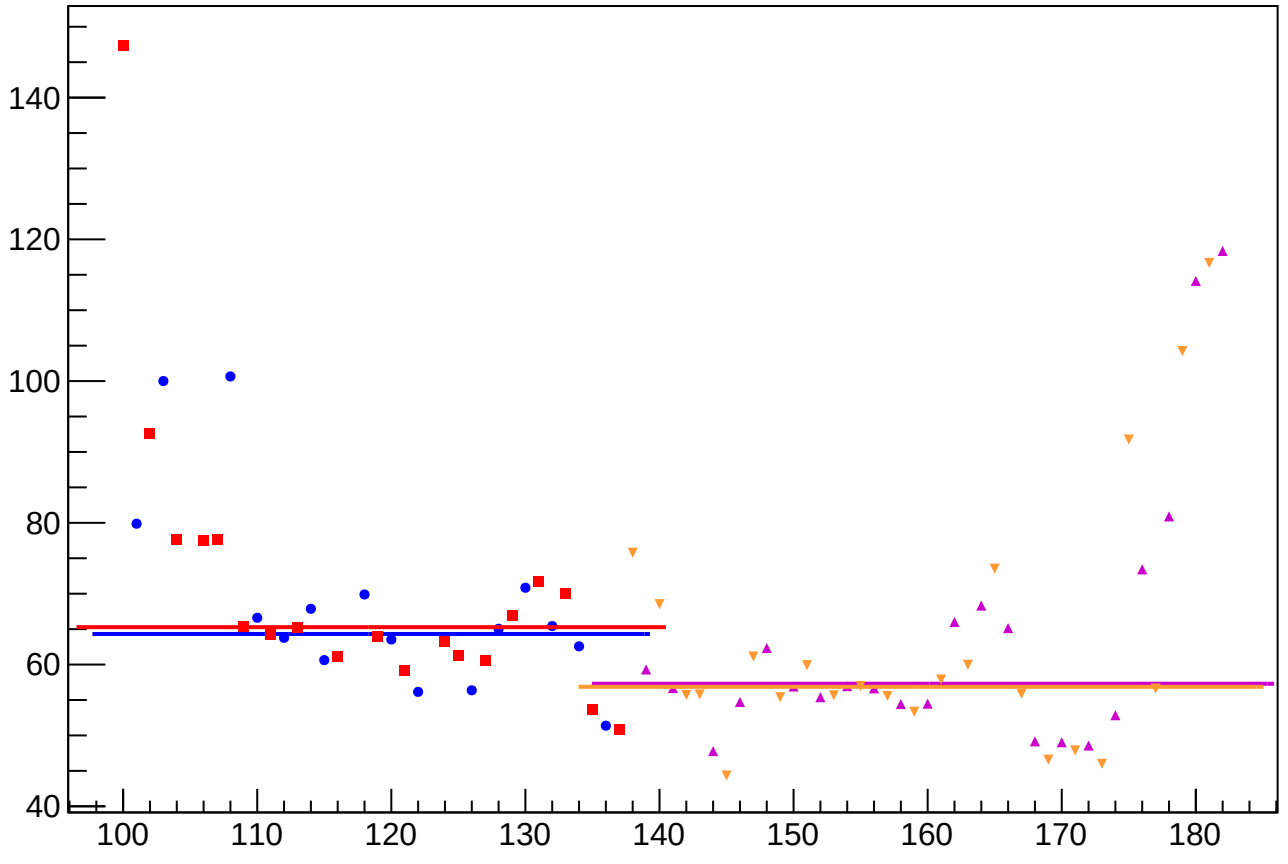
Left: -25.089+/-9.824 χ^2/NDF: 57.2/44

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: -9.638+/-12.168 χ^2/NDF:53.9/37

Out: -13.075+/-11.982 χ^2/NDF:50.4/41

All: -11.383+/-8.537 χ^2/NDF: 104.3/79



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.861+/-0.010 χ^2/NDF:1516793.8/22

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 57.294+/-0.010 χ^2/NDF:1340291.9/21

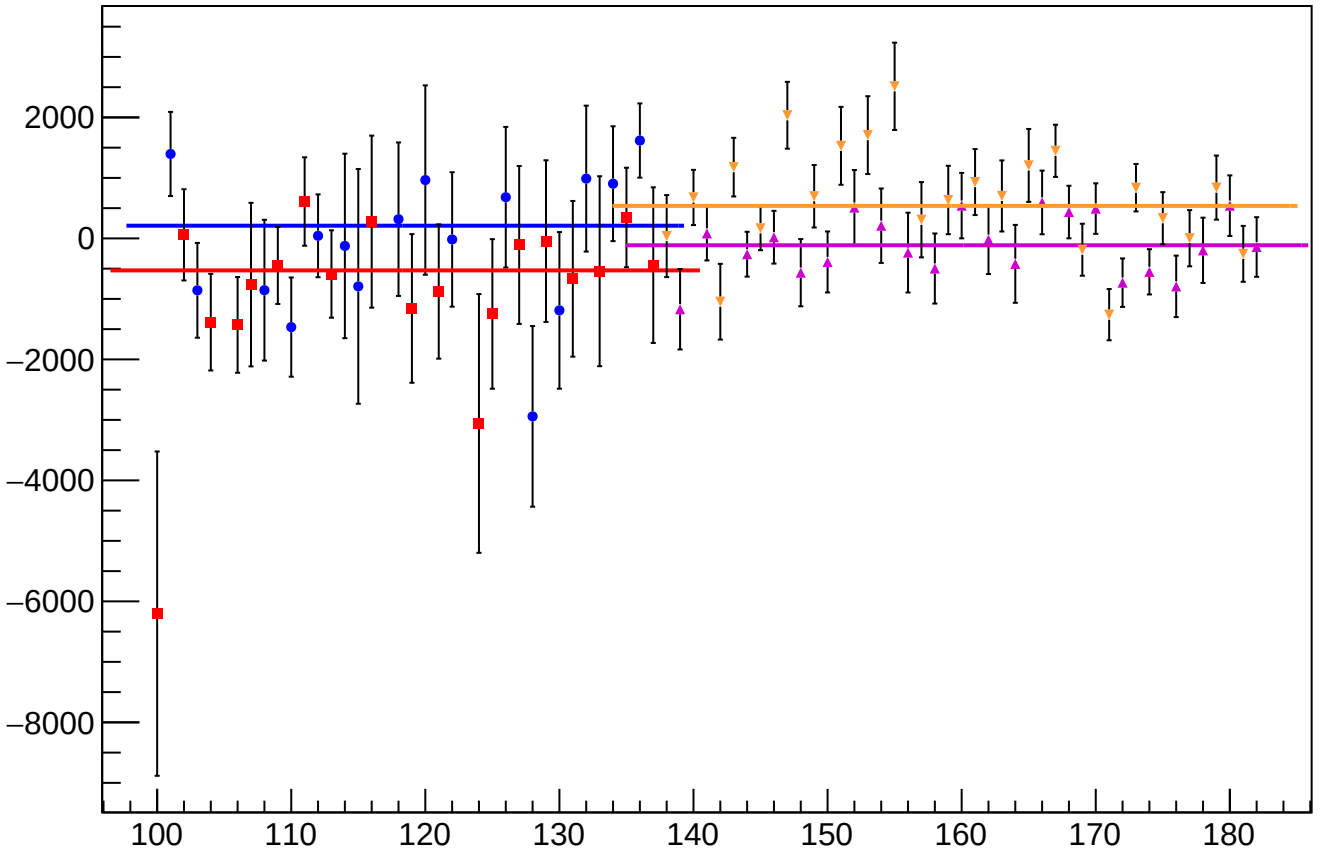
Left: 57.074+/-0.007 χ^2/NDF: 2858059.0/44

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 59.028+/-0.009 χ^2/NDF:1929088.2/37

Out: 58.903+/-0.008 χ^2/NDF:2017282.9/41

All: 58.964+/-0.006 χ^2/NDF: 3946477.3/79



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 537.684+/-104.768 χ^2/NDF:63.2/22

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -113.133+/-105.482 χ^2/NDF:20.2/21

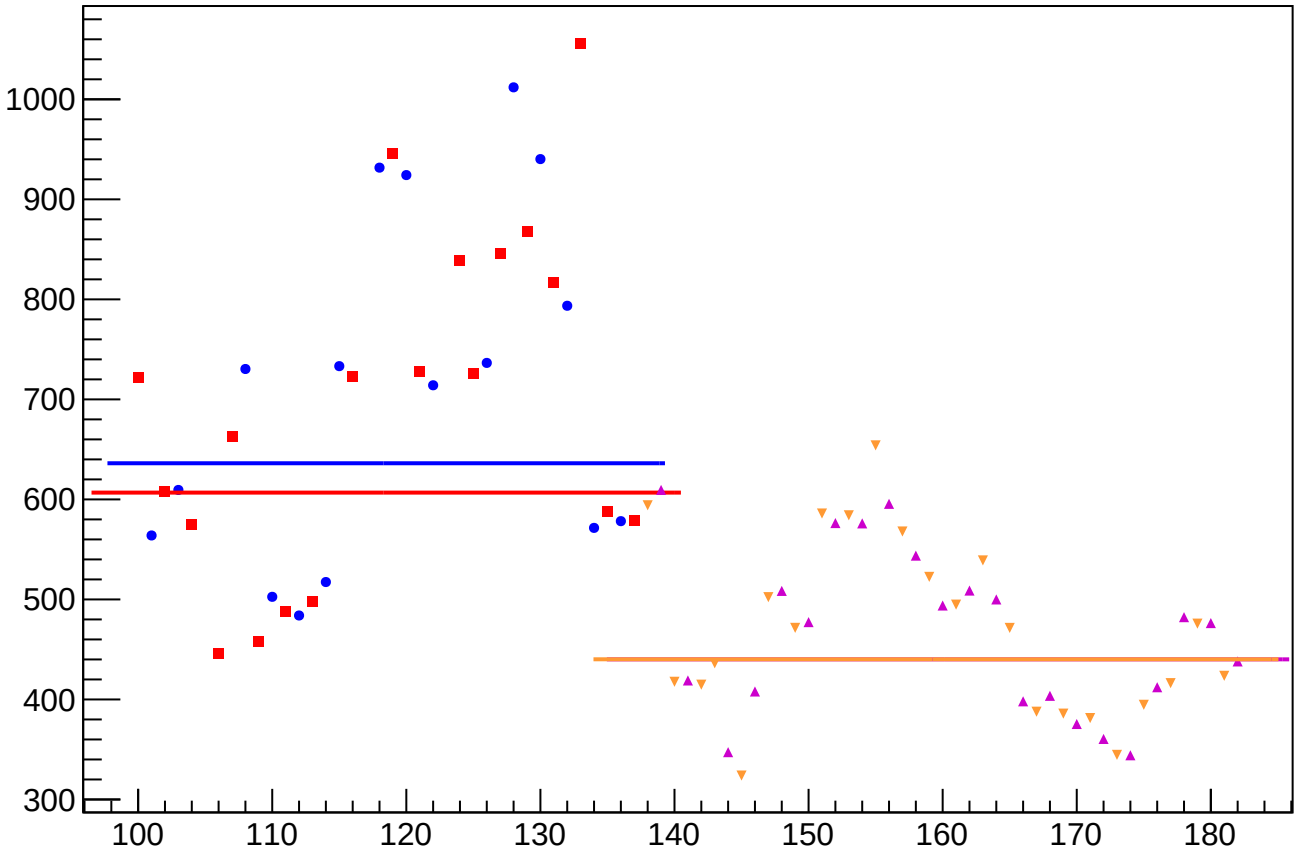
Left: 214.486+/-74.333 χ^2/NDF: 102.6/44

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -62.179+/-96.809 χ^2/NDF:44.1/37

Out: 354.020+/-95.319 χ^2/NDF:94.9/41

All: 149.148+/-67.921 χ^2/NDF: 148.4/79



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 440.150+/-0.074 χ^2/NDF:1196443.8/22

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 440.094+/-0.075 χ^2/NDF:1061433.0/21

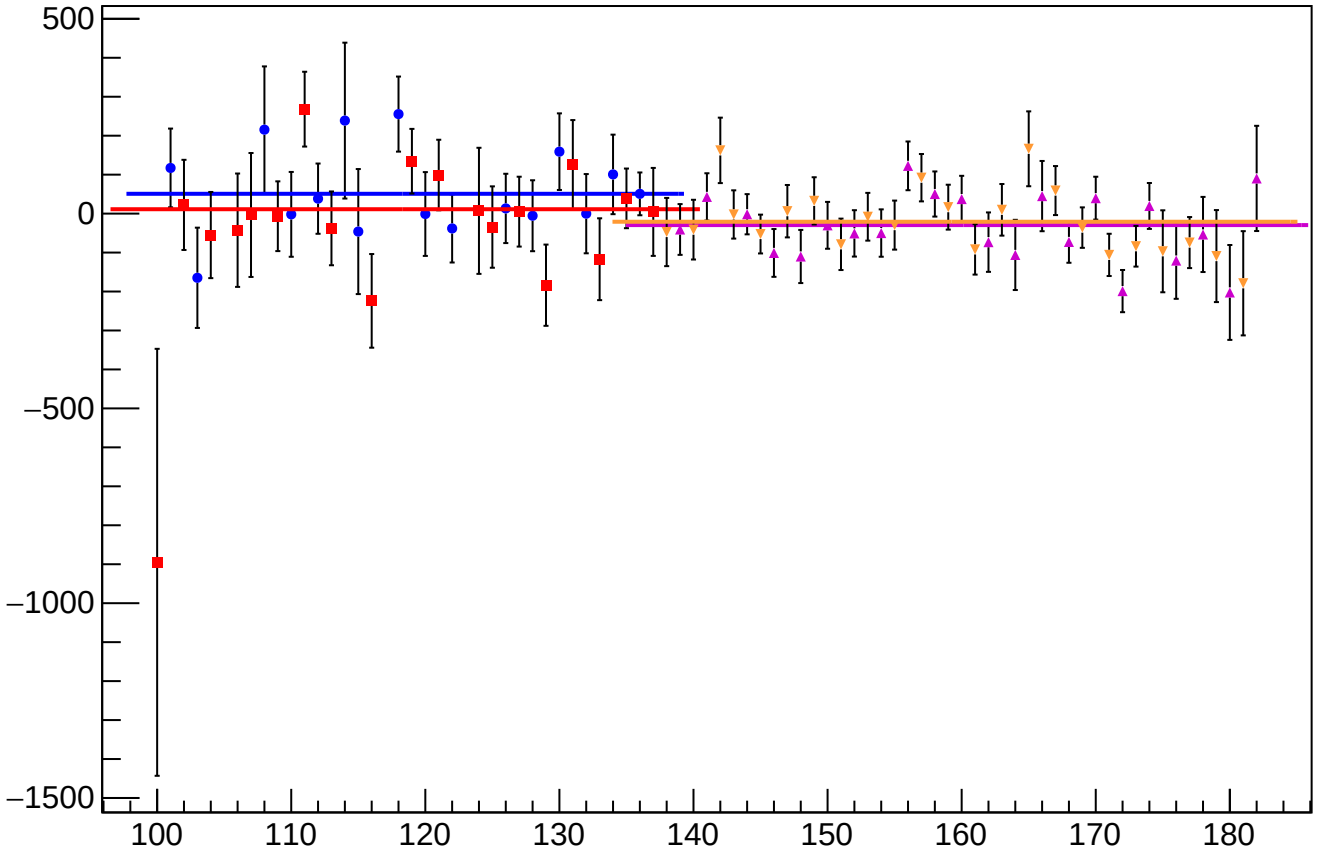
Left: 440.122+/-0.053 χ^2/NDF: 2257877.1/44

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 471.007+/-0.068 χ^2/NDF:2856059.0/37

Out: 468.853+/-0.067 χ^2/NDF:2961933.8/41

All: 469.913+/-0.048 χ^2/NDF: 5818495.5/79



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -20.872+/-13.768 χ^2/NDF:25.0/22

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -29.463+/-14.020 χ^2/NDF:32.0/21

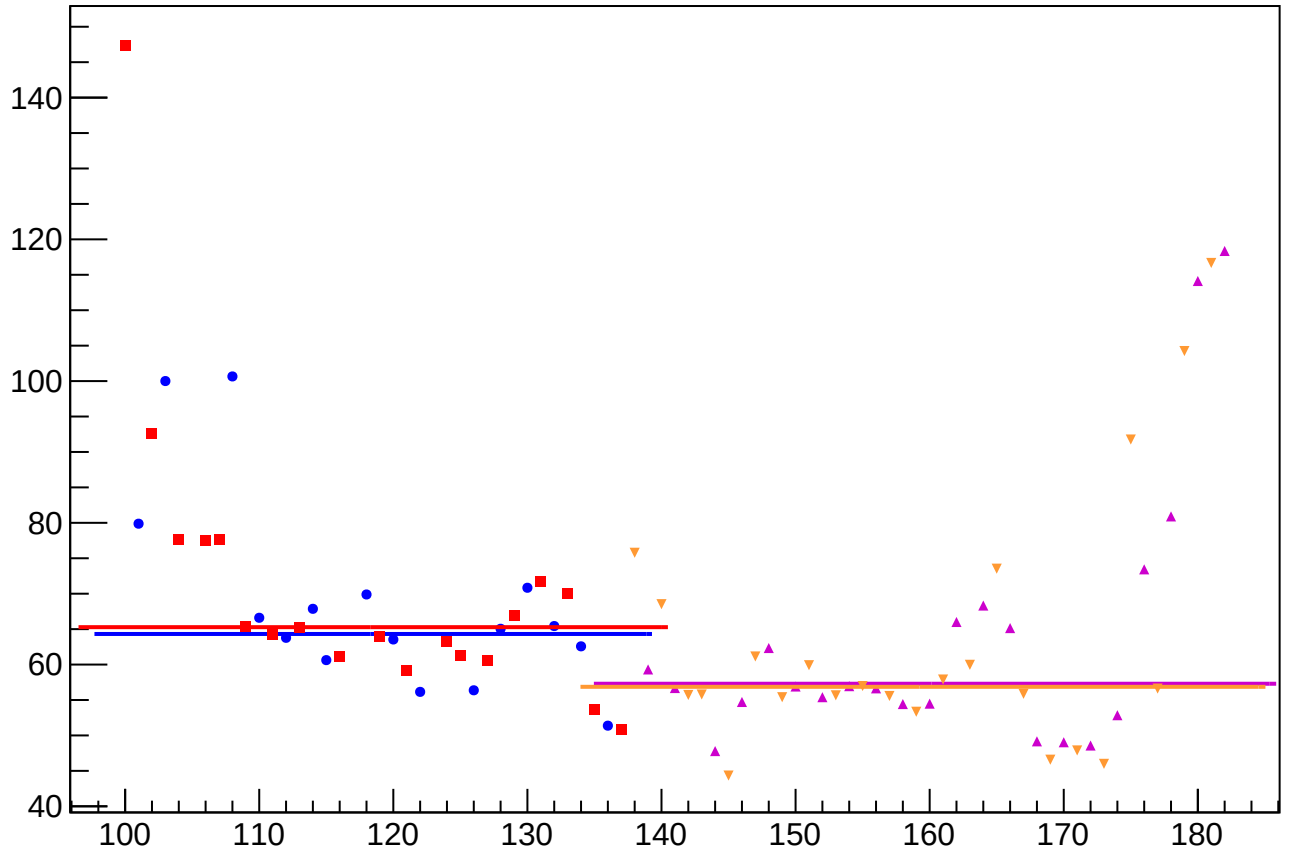
Left: -25.090+/-9.824 χ^2/NDF: 57.2/44

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: -9.638+/-12.168 χ^2/NDF:53.9/37

Out: -13.075+/-11.982 χ^2/NDF:50.4/41

All: -11.383+/-8.538 χ^2/NDF: 104.3/79



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.861+/-0.010 χ^2/NDF:1516792.9/22

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 57.294+/-0.010 χ^2/NDF:1340273.3/21

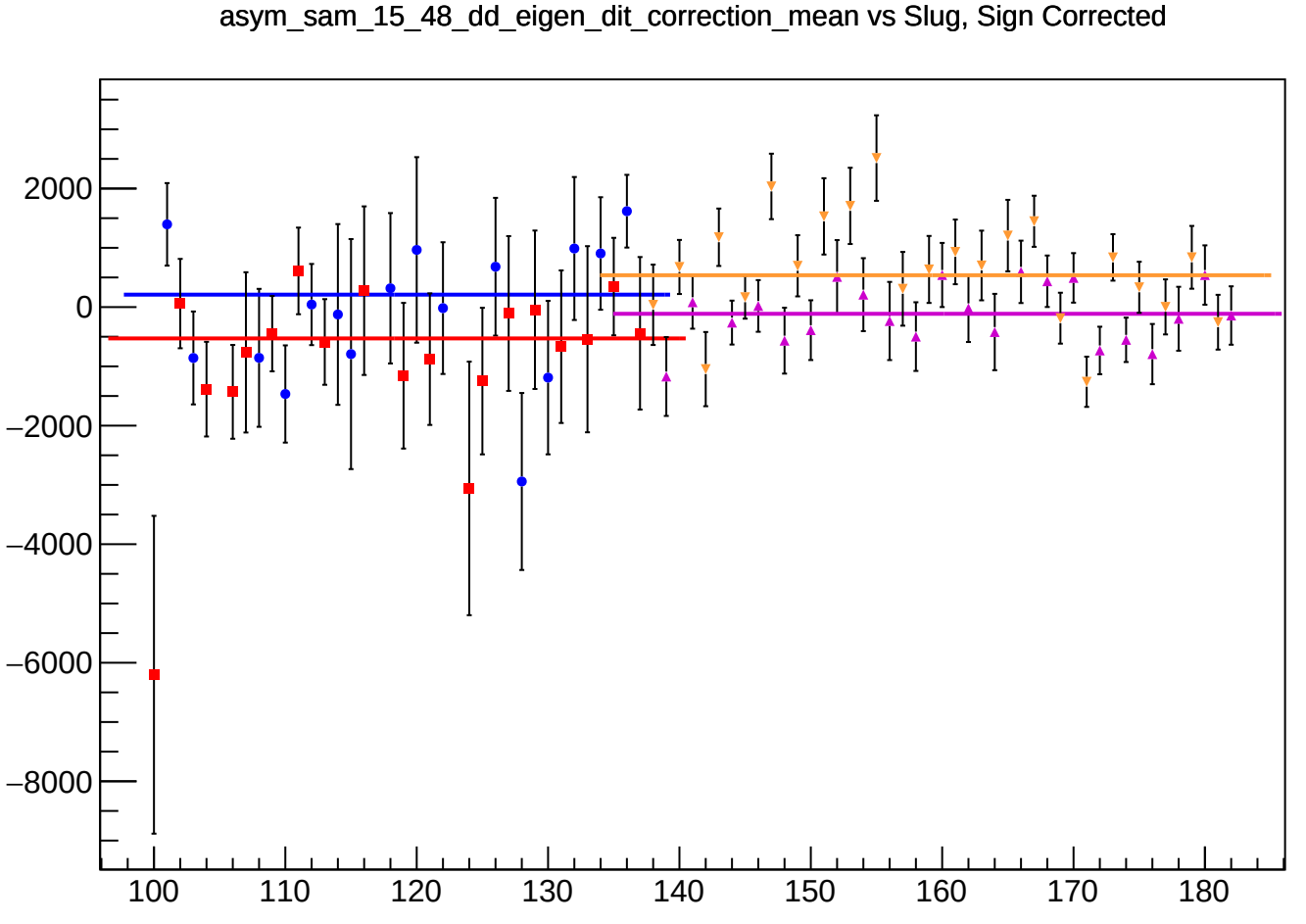
Left: 57.074+/-0.007 χ^2/NDF: 2858039.2/44

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 59.028+/-0.009 χ^2/NDF:1929062.9/37

Out: 58.903+/-0.008 χ^2/NDF:2017274.4/41

All: 58.964+/-0.006 χ^2/NDF: 3946443.5/79



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 537.683+/-104.767 χ^2/NDF:63.2/22

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -113.133+/-105.481 χ^2/NDF:20.2/21

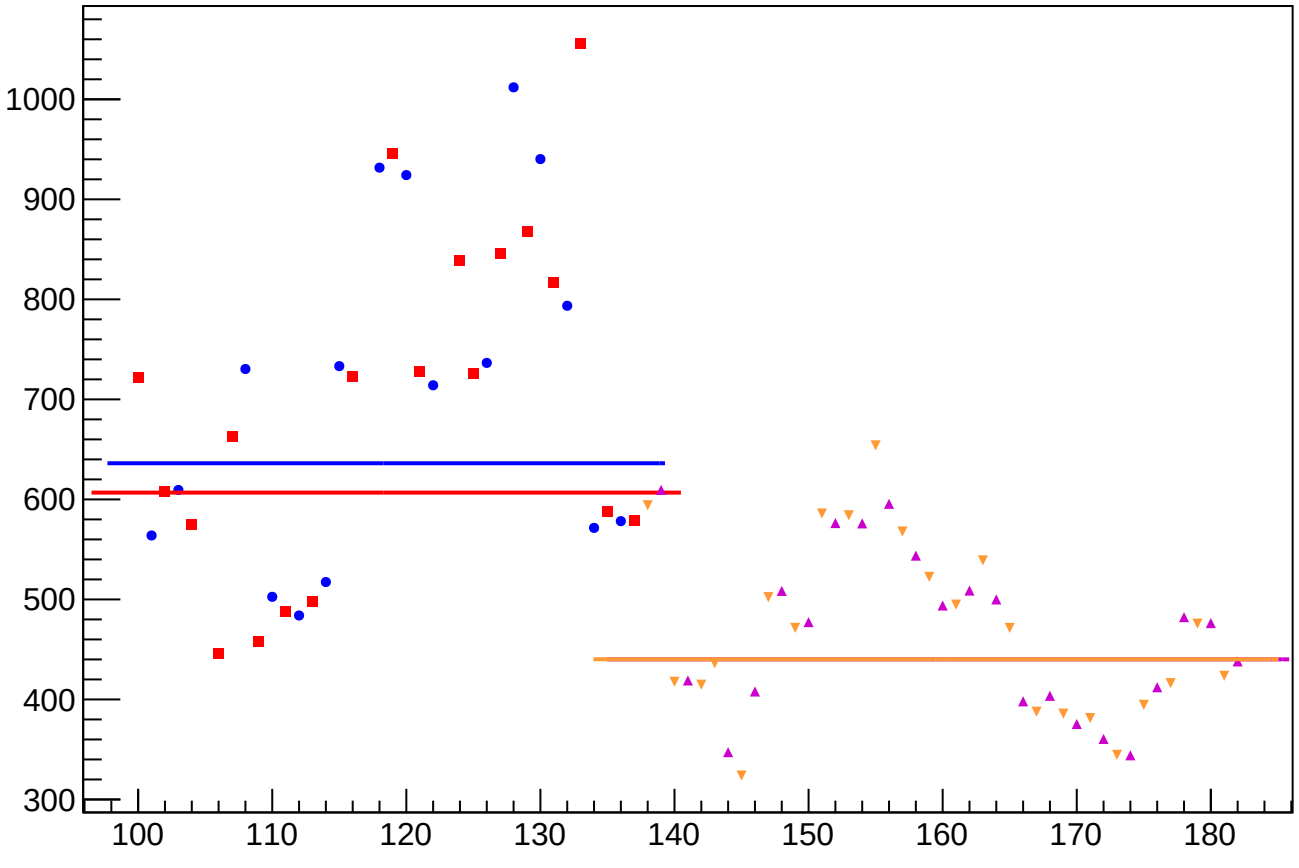
Left: 214.486+/-74.333 χ^2/NDF: 102.6/44

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -62.179+/-96.809 χ^2/NDF:44.1/37

Out: 354.020+/-95.319 χ^2/NDF:94.9/41

All: 149.148+/-67.921 χ^2/NDF: 148.4/79



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 440.149+/-0.074 χ^2/NDF:1196451.7/22

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 440.093+/-0.075 χ^2/NDF:1061439.4/21

Left: 440.121+/-0.053 χ^2/NDF: 2257891.4/44

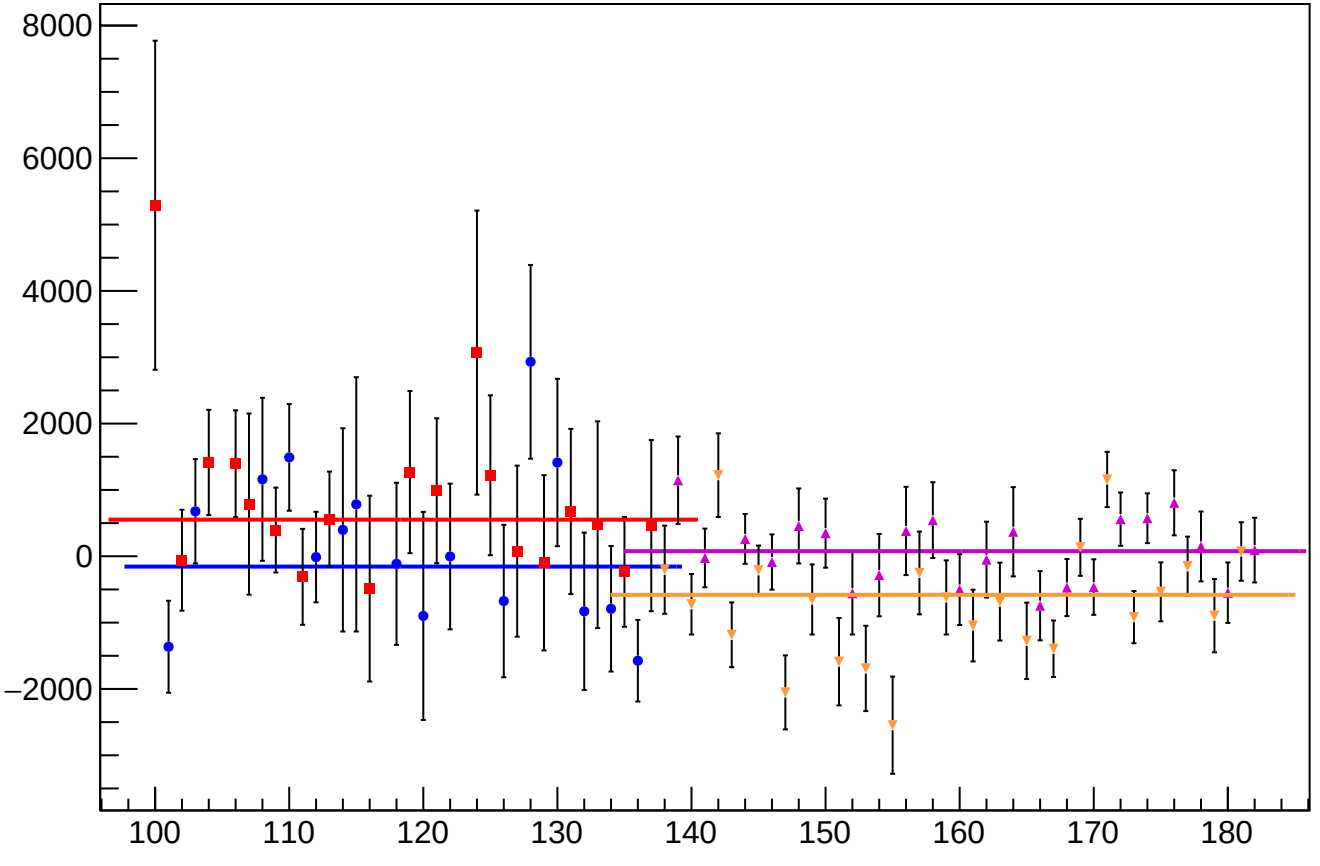
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 471.006+/-0.068 χ^2/NDF:2856076.4/37

Out: 468.852+/-0.067 χ^2/NDF:2961950.0/41

All: 469.912+/-0.048 χ^2/NDF: 5818529.1/79

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -581.814+/-104.742 χ^2/NDF:61.1/22

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 77.145+/-104.696 χ^2/NDF:20.6/21

Left: -252.189+/-74.048 χ^2/NDF: 101.5/44

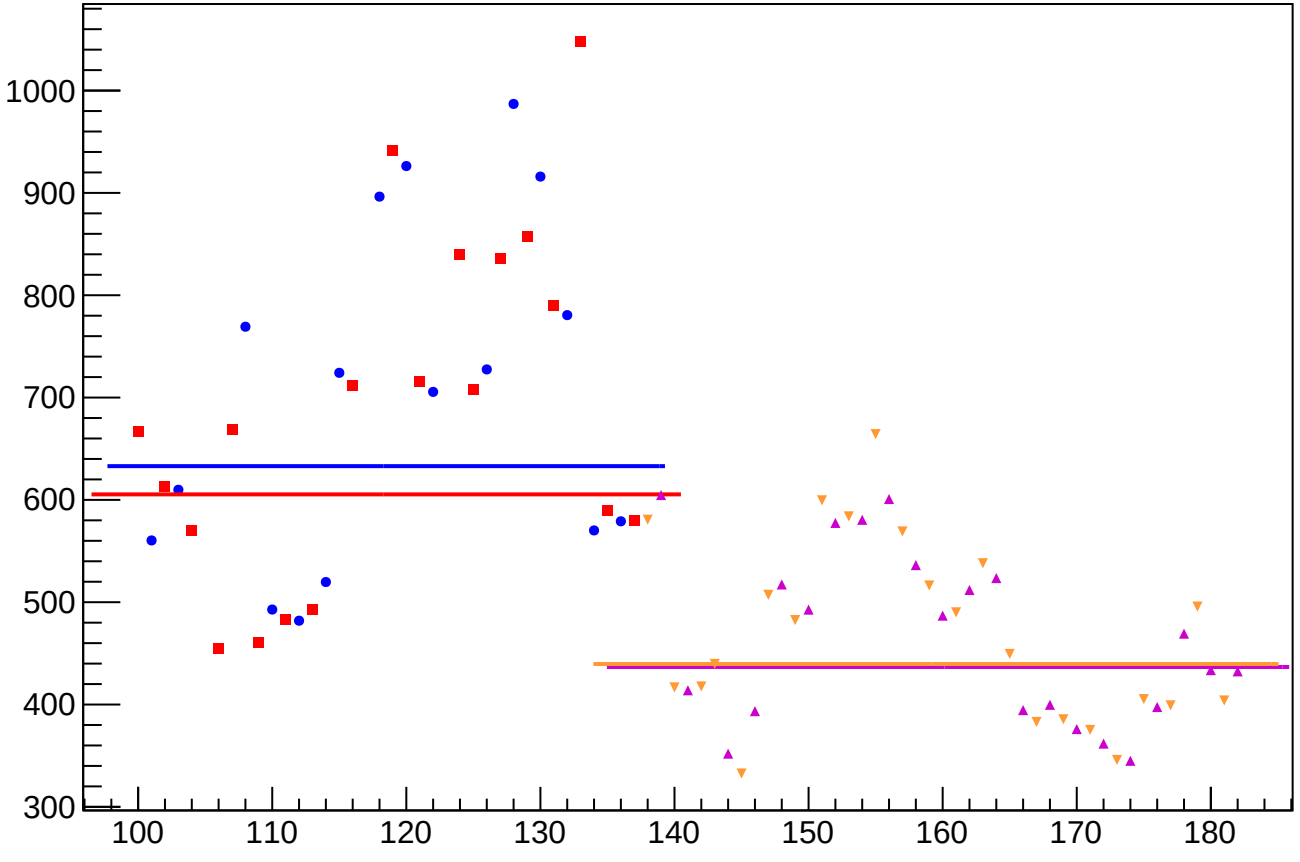
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 40.594+/-96.126 χ^2/NDF:43.8/37

Out: -385.465+/-95.244 χ^2/NDF:93.5/41

All: -174.401+/-67.657 χ^2/NDF: 147.3/79

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 439.587+/-0.074 χ^2/NDF:1200760.1/22

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 436.704+/-0.074 χ^2/NDF:1079406.3/21

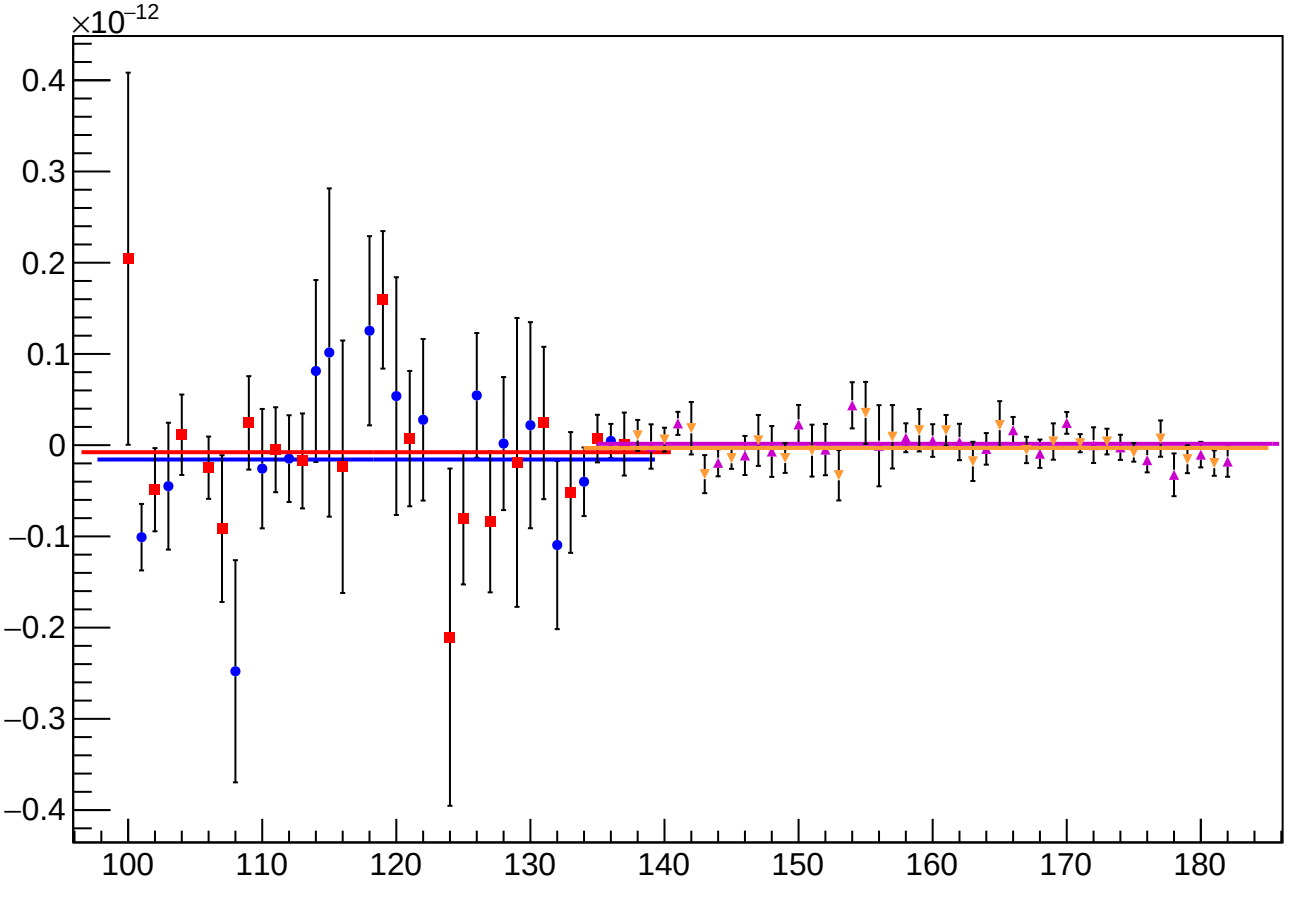
Left: 438.145+/-0.052 χ^2/NDF: 2280924.4/44

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 467.519+/-0.068 χ^2/NDF:2864020.5/37

Out: 468.293+/-0.067 χ^2/NDF:2922313.6/41

All: 467.909+/-0.048 χ^2/NDF: 5786399.6/79



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:21.0/21

Left: -0.000+/-0.000 χ^2/NDF: 36.1/44

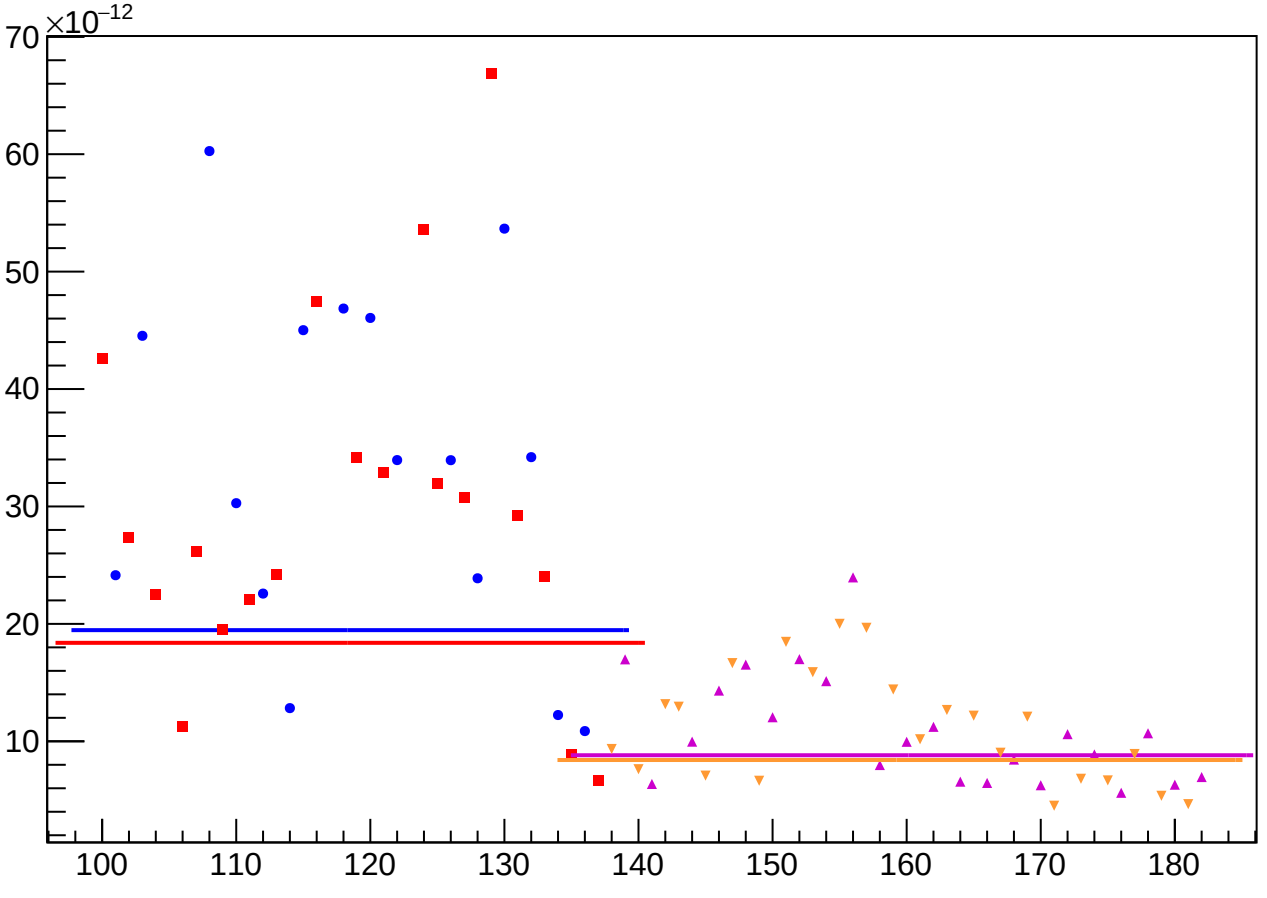
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:39.7/37

Out: -0.000+/-0.000 χ^2/NDF:27.4/41

All: -0.000+/-0.000 χ^2/NDF: 67.6/79

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2189464.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1624579.8/21

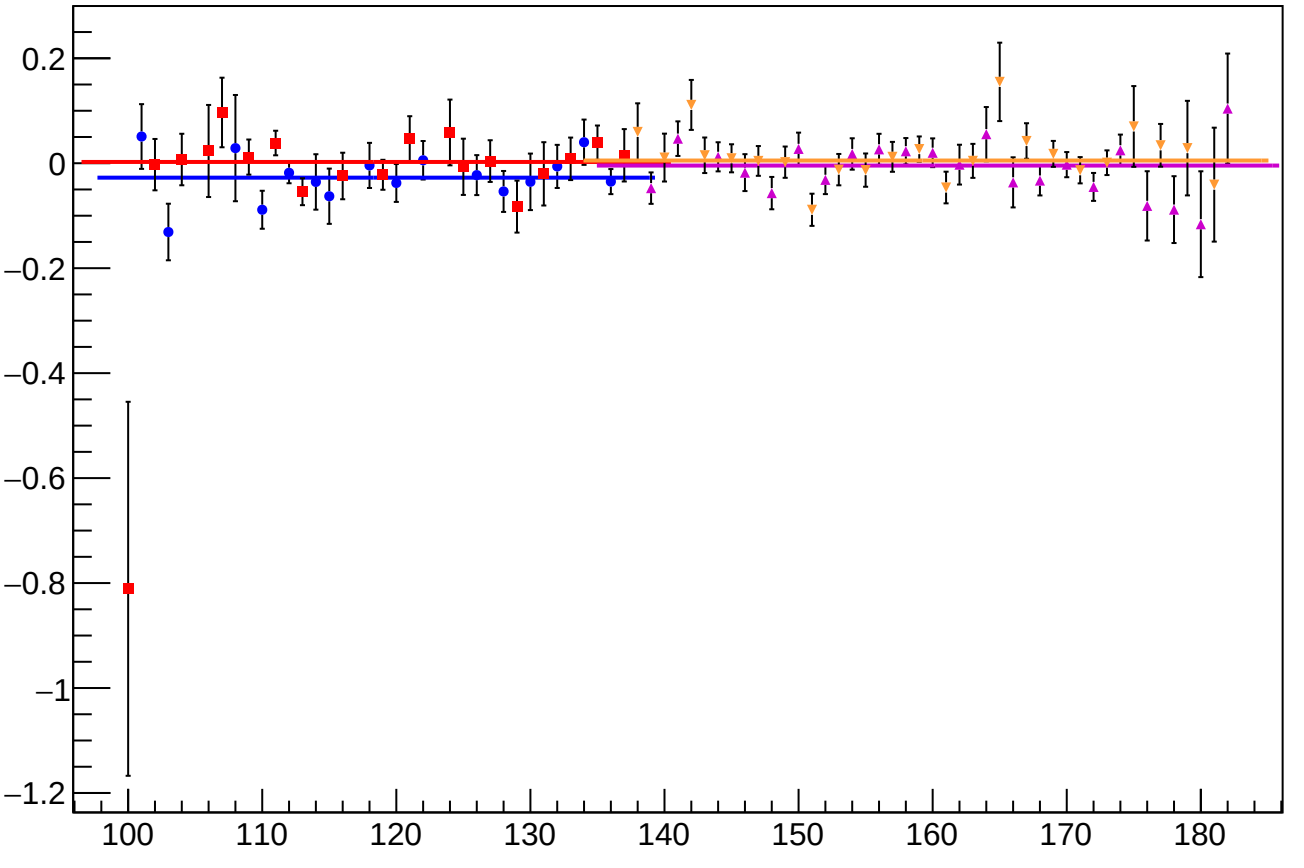
Left: 0.000+/-0.000 χ^2/NDF: 3826987.2/44

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:4676398.3/37

Out: 0.000+/-0.000 χ^2/NDF:4878936.3/41

All: 0.000+/-0.000 χ^2/NDF: 9574954.5/79



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.5/22

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:25.0/21

Left: 0.000+/-0.005 χ^2/NDF: 53.5/44

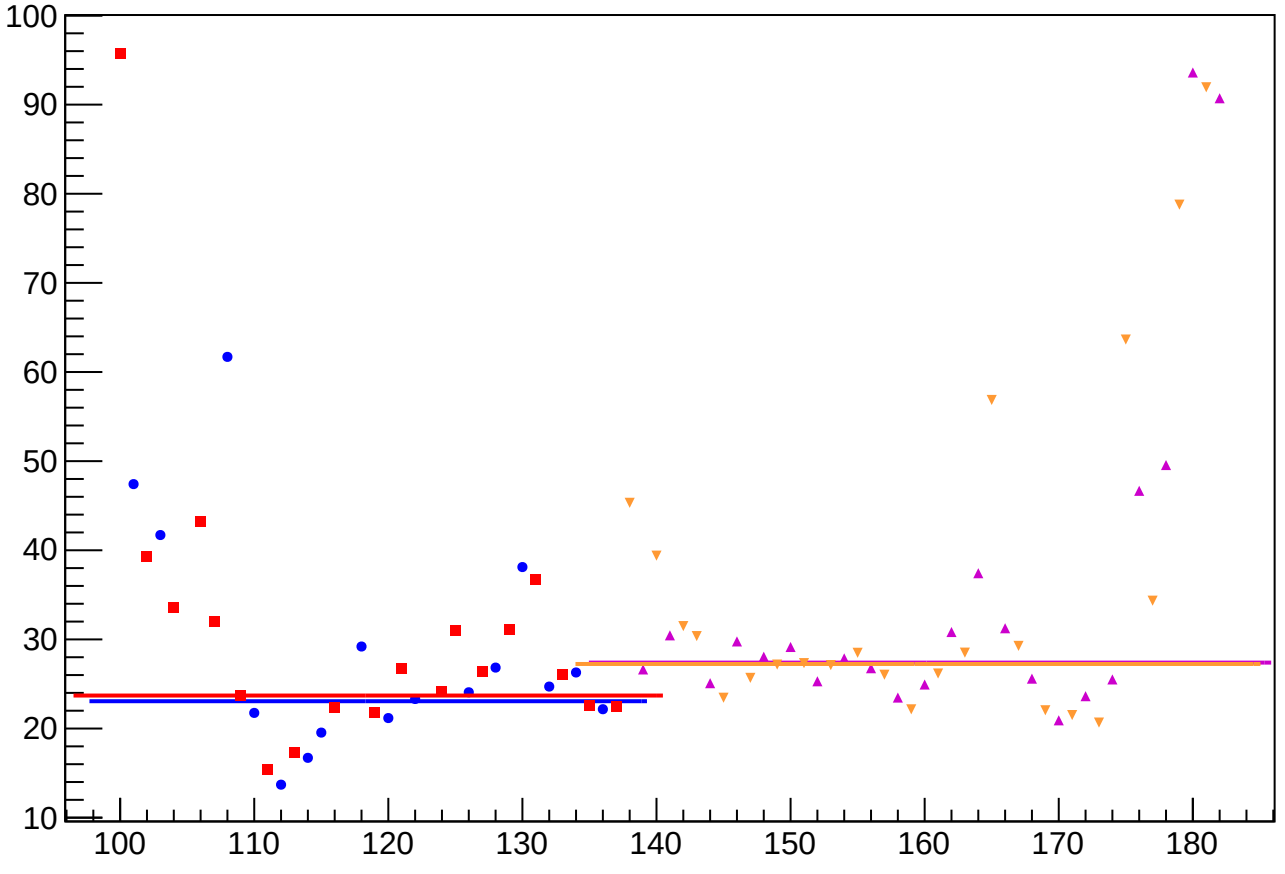
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:42.6/37

Out: 0.004+/-0.006 χ^2/NDF:49.6/41

All: -0.004+/-0.004 χ^2/NDF: 96.8/79

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.244+/-0.005 χ^2/NDF:3087326.8/22

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.398+/-0.005 χ^2/NDF:2438137.2/21

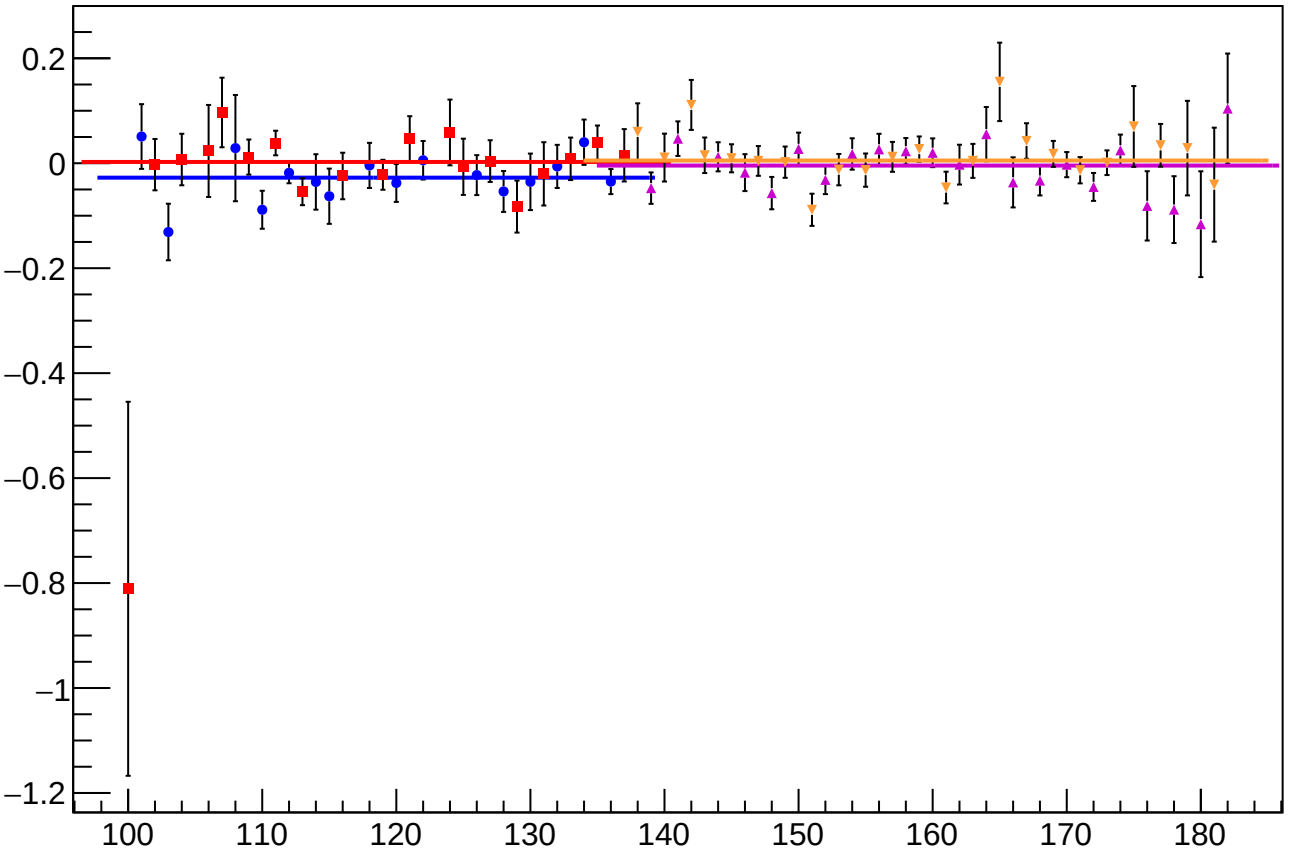
Left: 27.319+/-0.003 χ^2/NDF: 5525957.1/44

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.853+/-0.004 χ^2/NDF:4276244.6/37

Out: 25.991+/-0.004 χ^2/NDF:4363558.2/41

All: 25.923+/-0.003 χ^2/NDF: 8640417.8/79



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.5/22

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:25.0/21

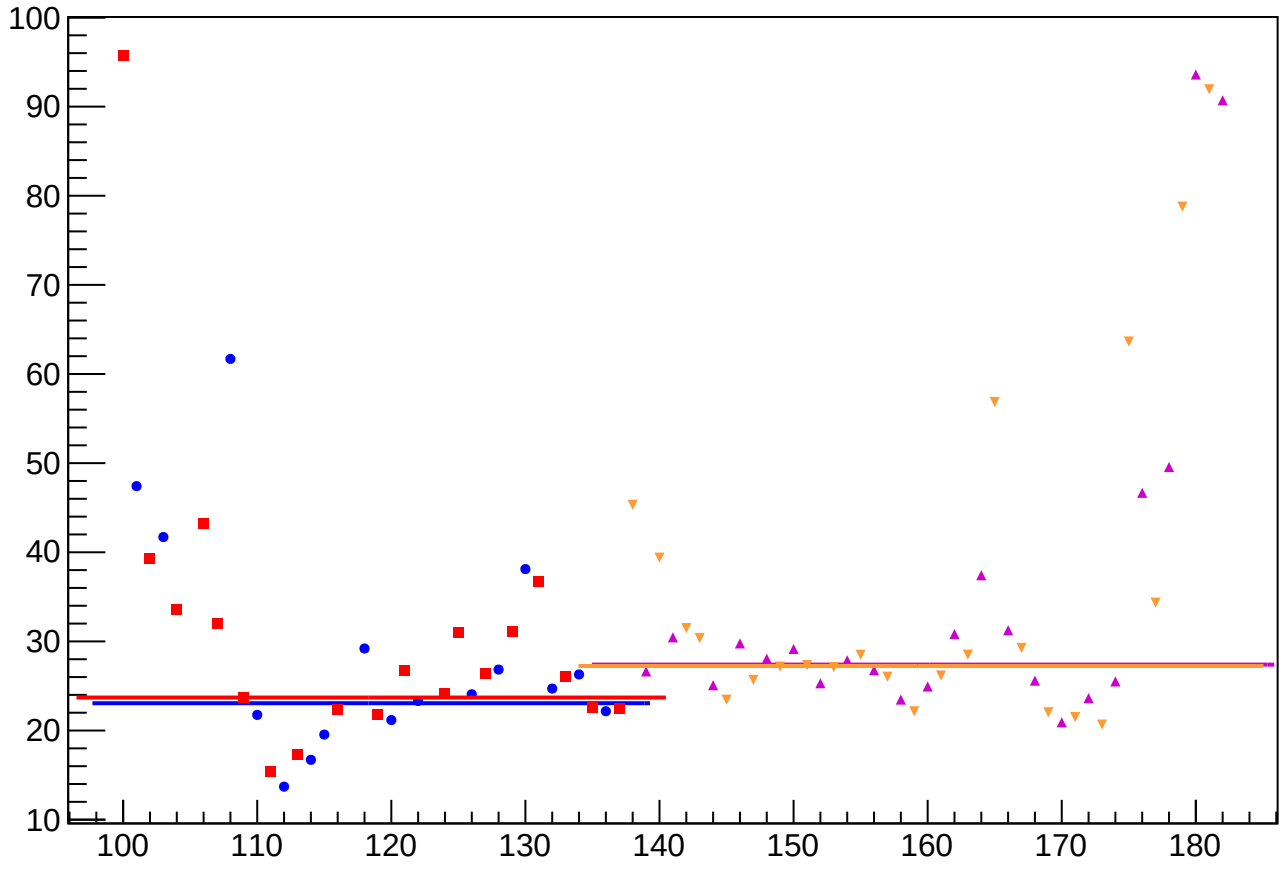
Left: 0.000+/-0.005 χ^2/NDF: 53.5/44

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:42.6/37

Out: 0.004+/-0.006 χ^2/NDF:49.6/41

All: -0.004+/-0.004 χ^2/NDF: 96.8/79



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.244+/-0.005 χ^2/NDF:3087326.8/22

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.398+/-0.005 χ^2/NDF:2438137.2/21

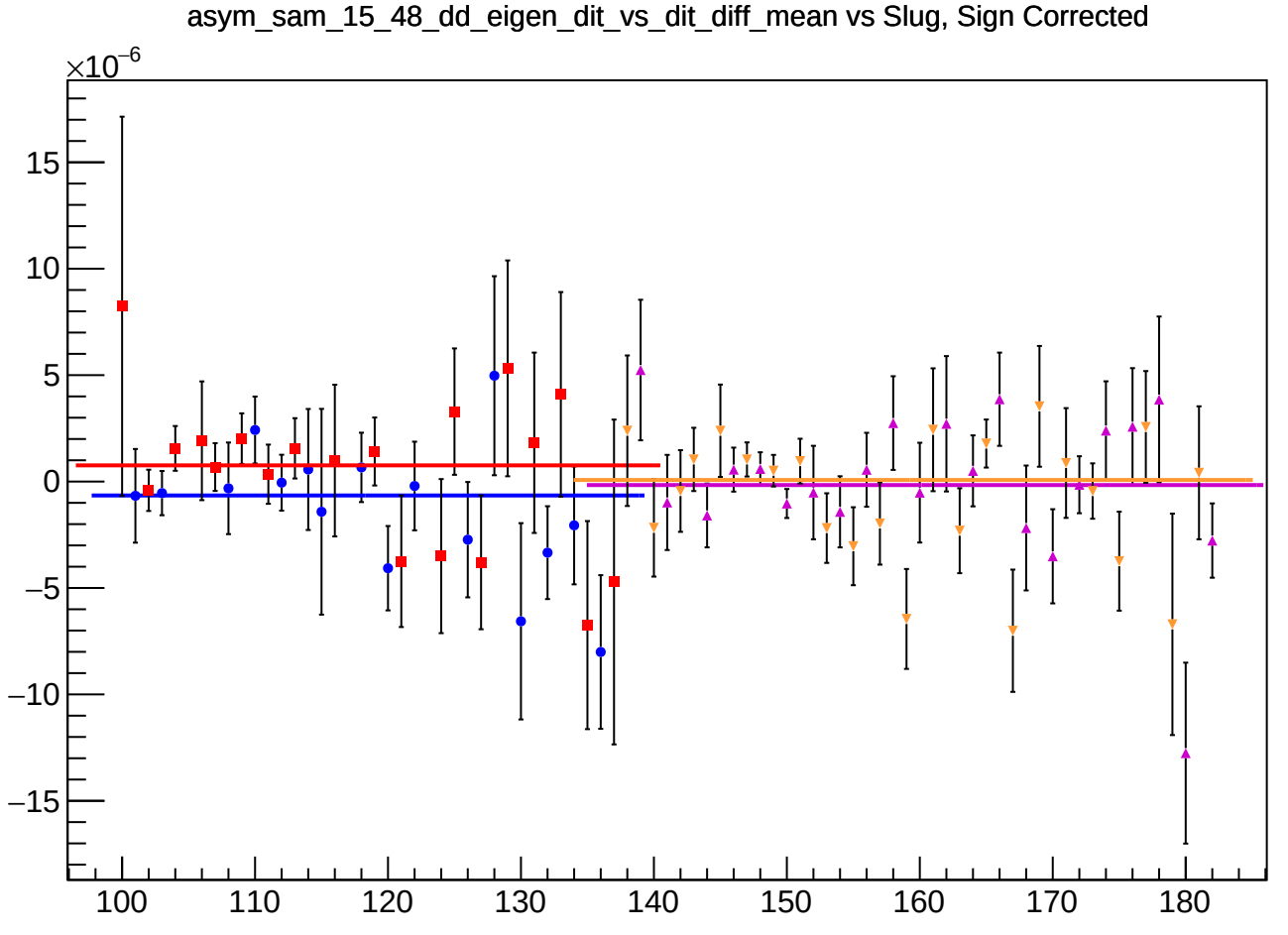
Left: 27.319+/-0.003 χ^2/NDF: 5525957.1/44

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.853+/-0.004 χ^2/NDF:4276244.6/37

Out: 25.991+/-0.004 χ^2/NDF:4363558.2/41

All: 25.923+/-0.003 χ^2/NDF: 8640417.8/79



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:30.7/21

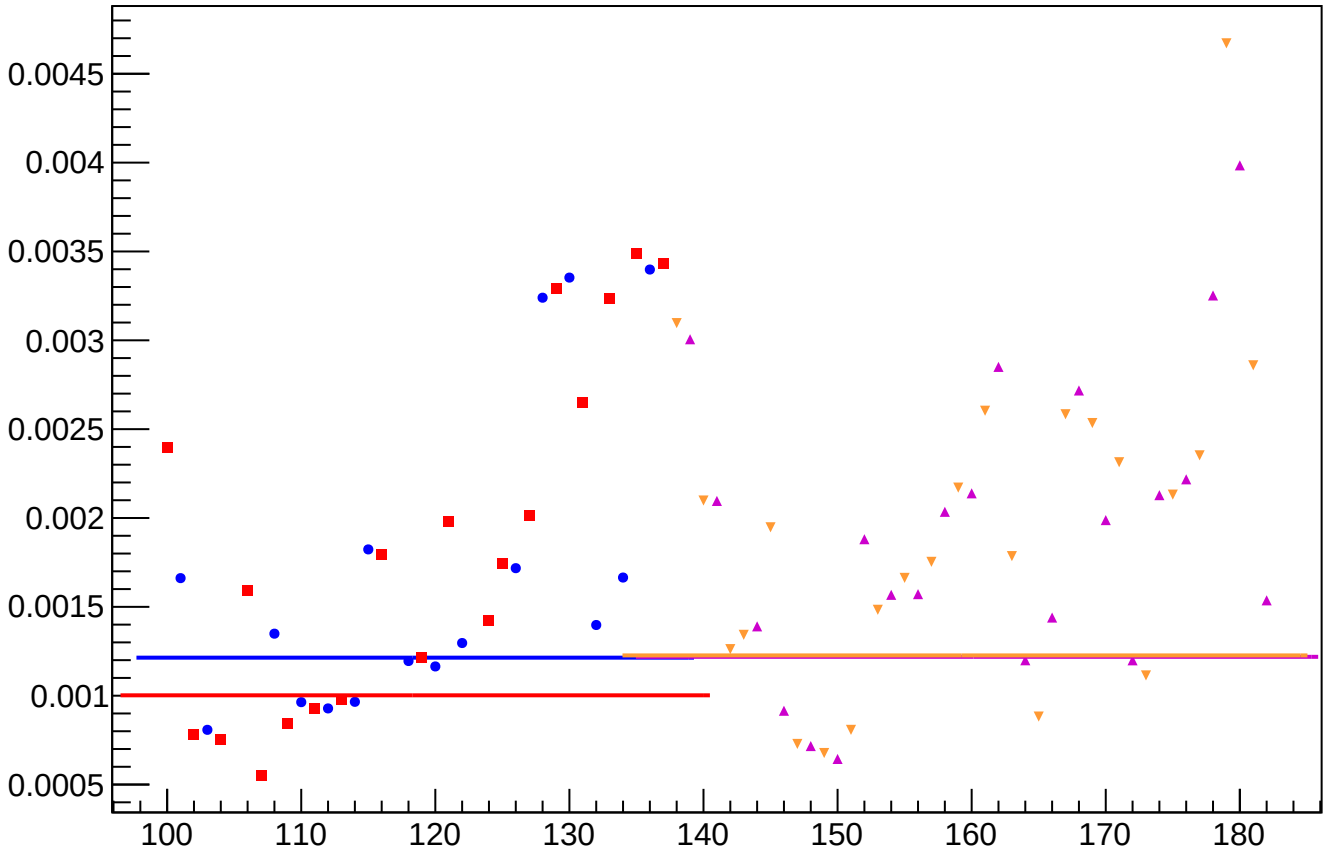
Left: -0.000+/-0.000 χ^2/NDF: 67.7/44

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:49.0/37

Out: 0.000+/-0.000 χ^2/NDF:53.5/41

All: 0.000+/-0.000 χ^2/NDF: 105.5/79



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:8039368.8/22

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:7618409.2/21

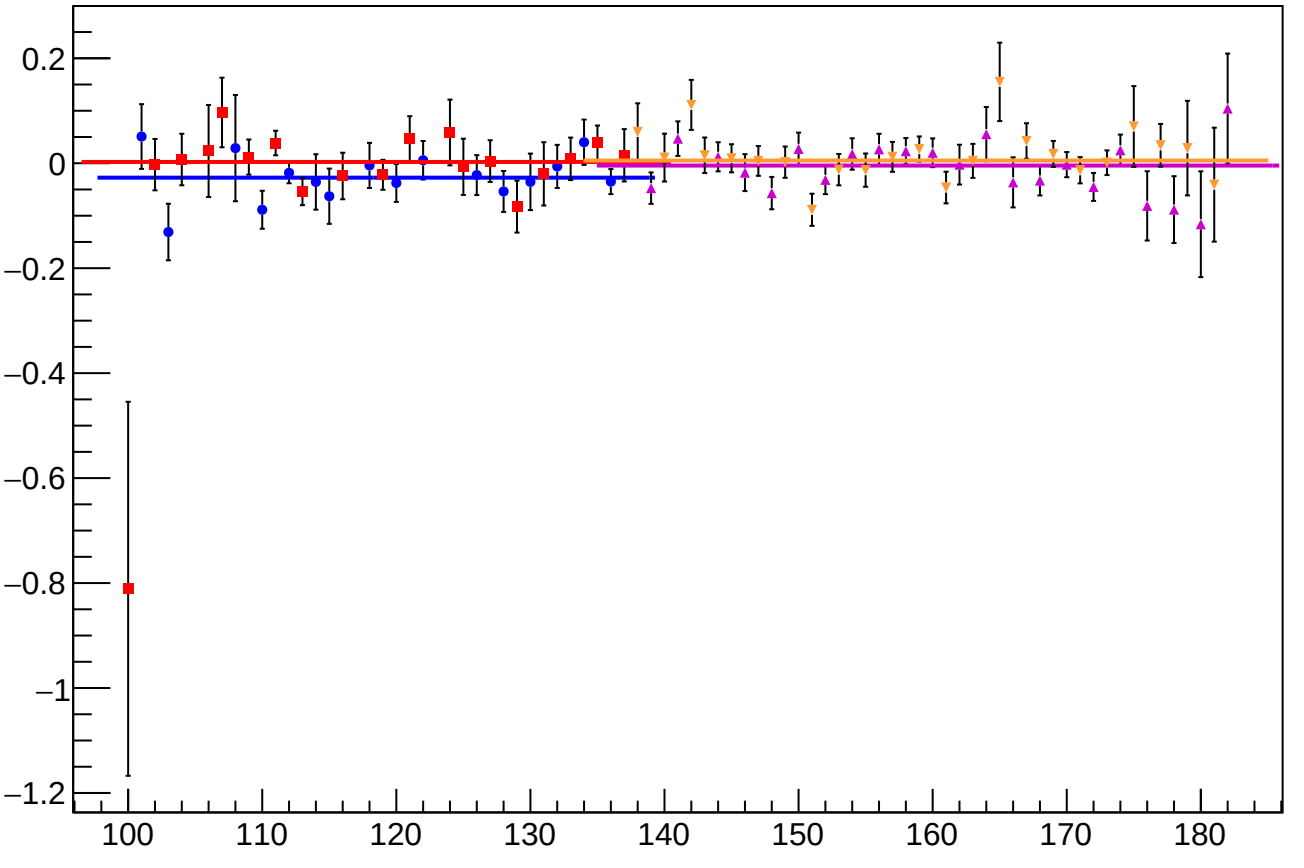
Left: 0.001+/-0.000 χ^2/NDF: 15658362.7/44

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:9885932.3/37

Out: 0.001+/-0.000 χ^2/NDF:11671625.8/41

All: 0.001+/-0.000 χ^2/NDF: 21638655.8/79



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.5/22

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:25.0/21

Left: 0.000+/-0.005 χ^2/NDF: 53.5/44

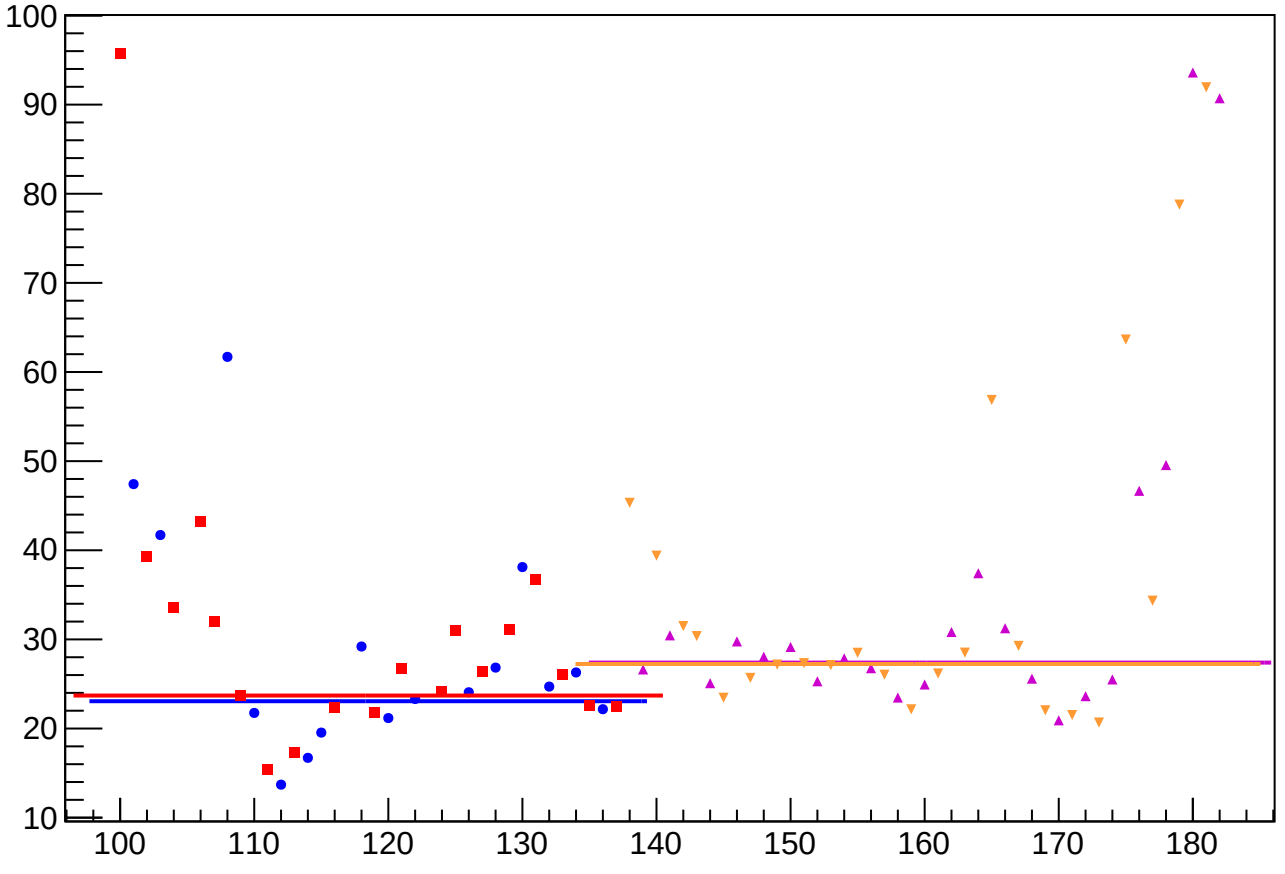
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:42.6/37

Out: 0.004+/-0.006 χ^2/NDF:49.6/41

All: -0.004+/-0.004 χ^2/NDF: 96.8/79

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.244+/-0.005 χ^2/NDF:3087277.2/22

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.398+/-0.005 χ^2/NDF:2438102.1/21

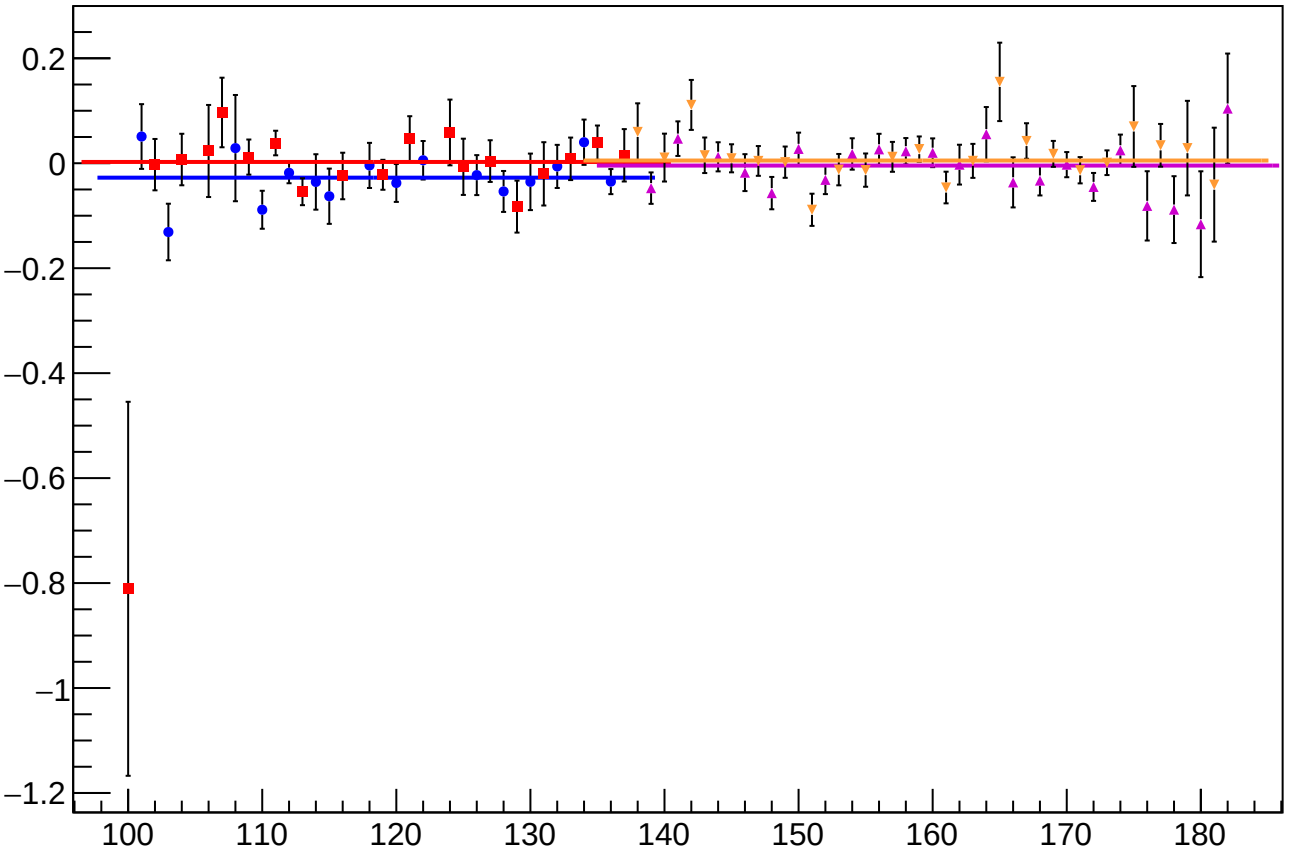
Left: 27.319+/-0.003 χ^2/NDF: 5525871.5/44

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.853+/-0.004 χ^2/NDF:4276274.7/37

Out: 25.991+/-0.004 χ^2/NDF:4363606.6/41

All: 25.923+/-0.003 χ^2/NDF: 8640496.8/79



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.5/22

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:25.0/21

Left: 0.000+/-0.005 χ^2/NDF: 53.5/44

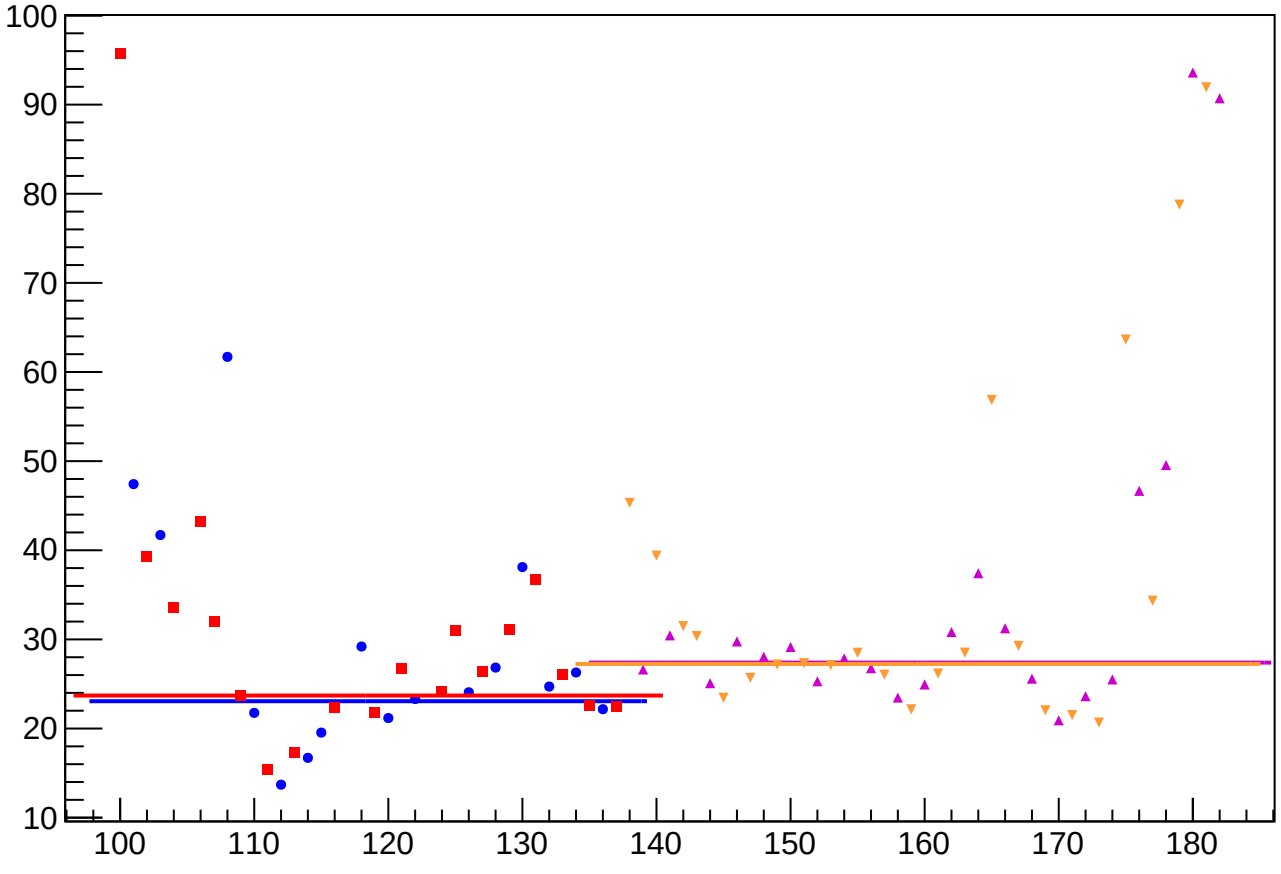
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:42.6/37

Out: 0.004+/-0.006 χ^2/NDF:49.6/41

All: -0.004+/-0.004 χ^2/NDF: 96.8/79

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.244+/-0.005 χ^2/NDF:3087277.2/22

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.398+/-0.005 χ^2/NDF:2438102.1/21

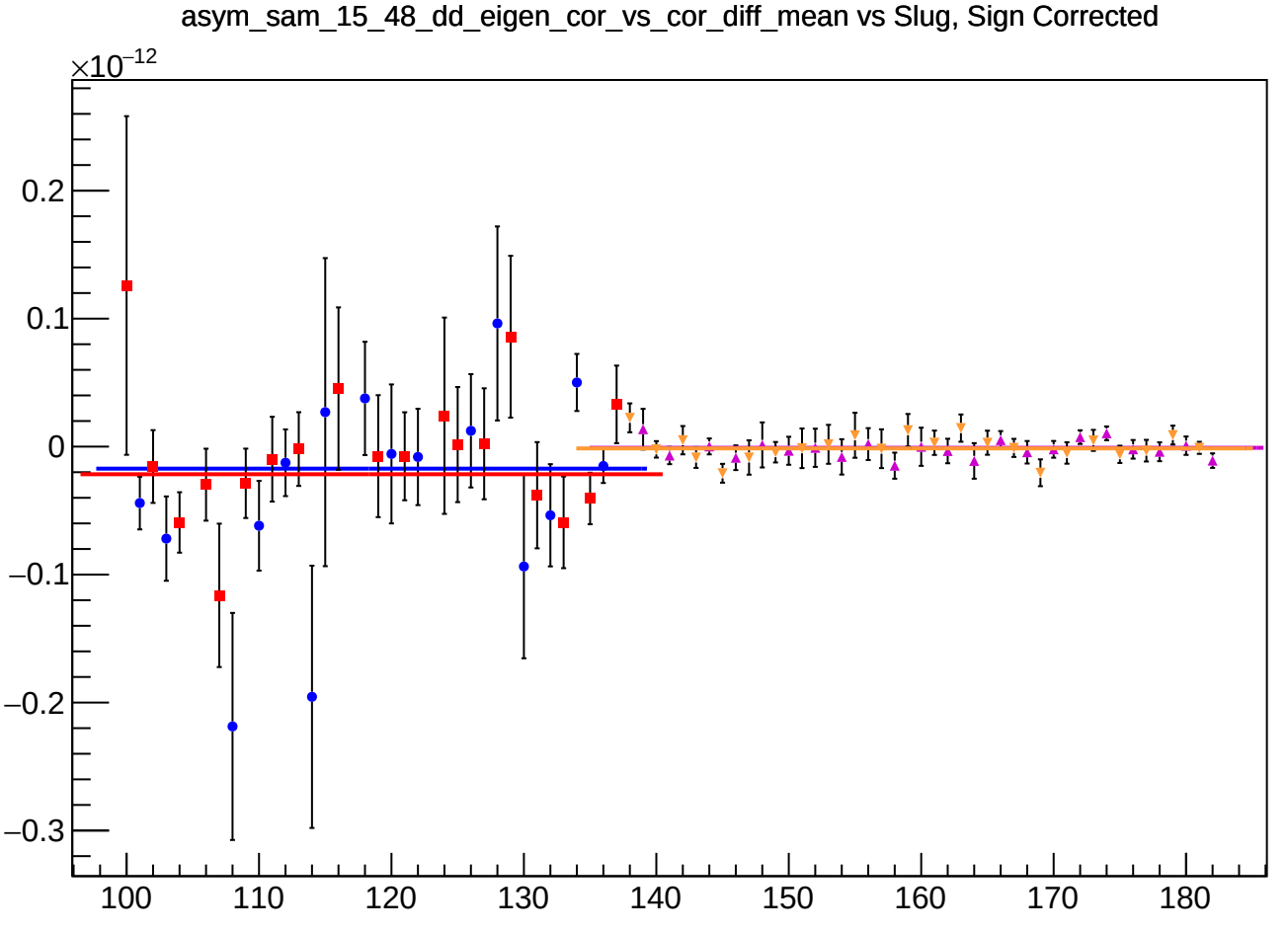
Left: 27.319+/-0.003 χ^2/NDF: 5525871.5/44

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.853+/-0.004 χ^2/NDF:4276274.7/37

Out: 25.991+/-0.004 χ^2/NDF:4363606.6/41

All: 25.923+/-0.003 χ^2/NDF: 8640496.8/79



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/22

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/21

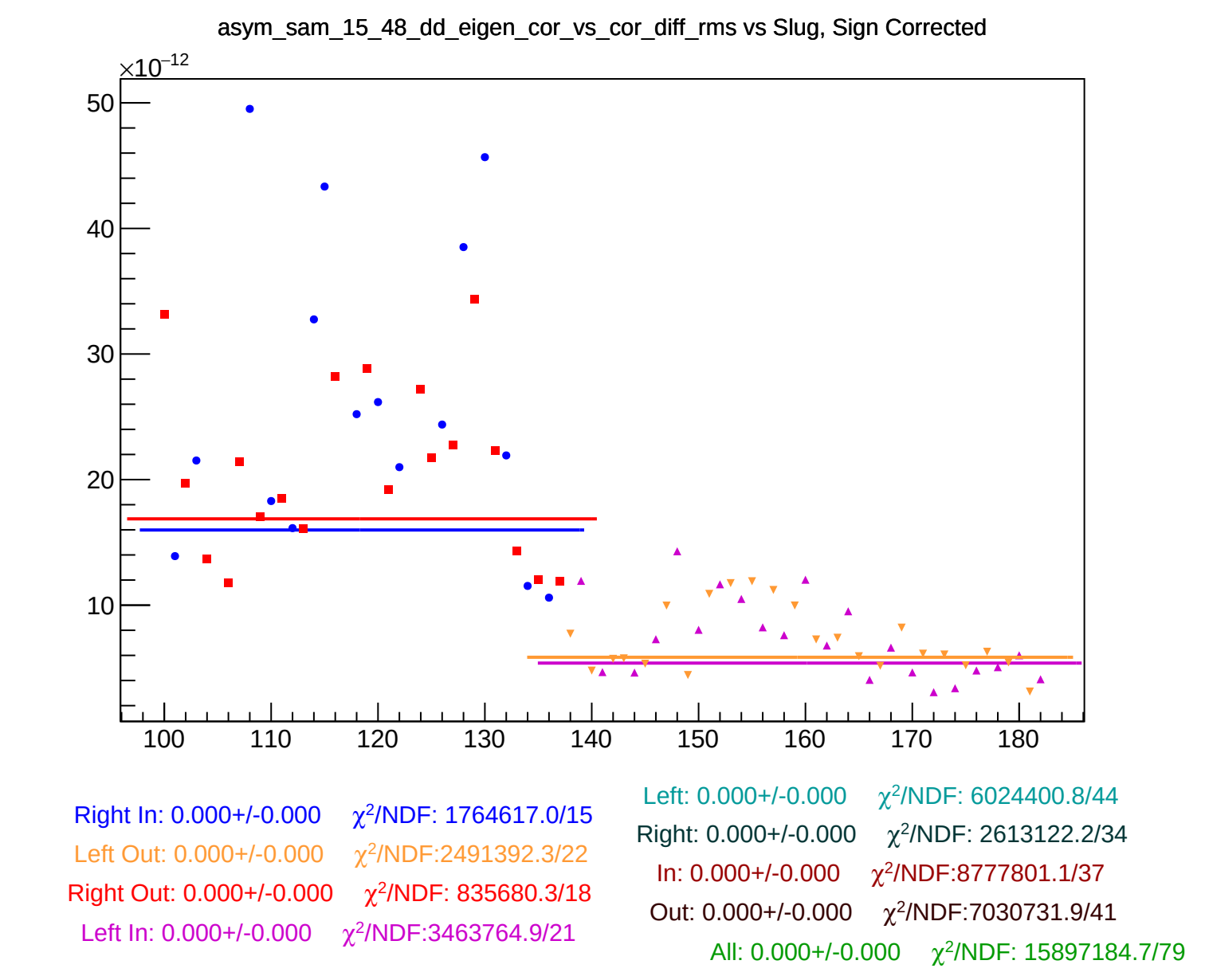
Left: -0.000+/-0.000 χ^2/NDF: 40.2/44

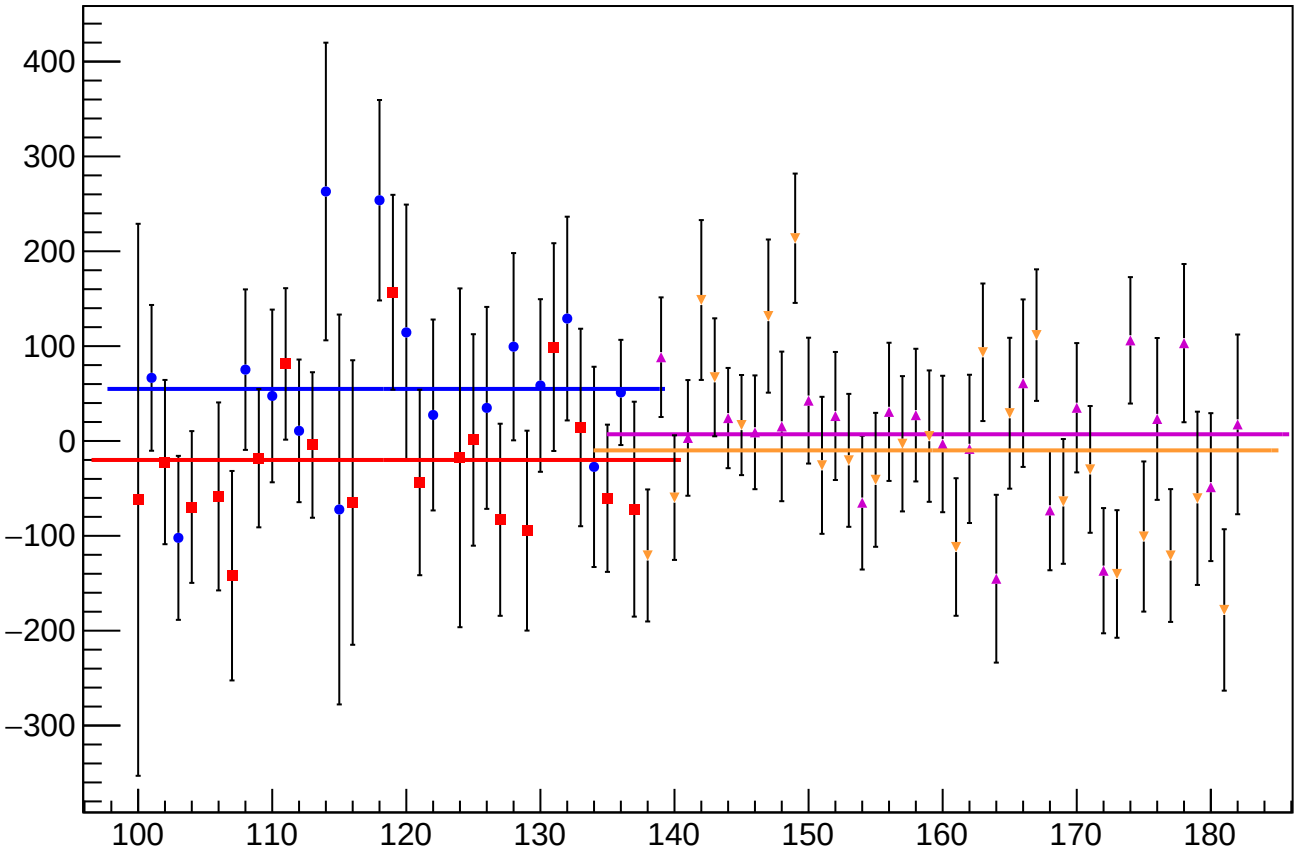
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:50.4/37

Out: -0.000+/-0.000 χ^2/NDF:48.1/41

All: -0.000+/-0.000 χ^2/NDF: 98.6/79


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2491392.3/22
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3463764.9/21
Left: 0.000+/-0.000 χ²/NDF: 6024400.8/44
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:8777801.1/37
Out: 0.000+/-0.000 χ²/NDF:7030731.9/41
All: 0.000+/-0.000 χ²/NDF: 15897184.7/79



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: -9.913+/-14.728 χ^2/NDF:42.5/22

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 7.077+/-14.994 χ^2/NDF:17.4/21

Left: -1.570+/-10.507 χ^2/NDF: 60.5/44

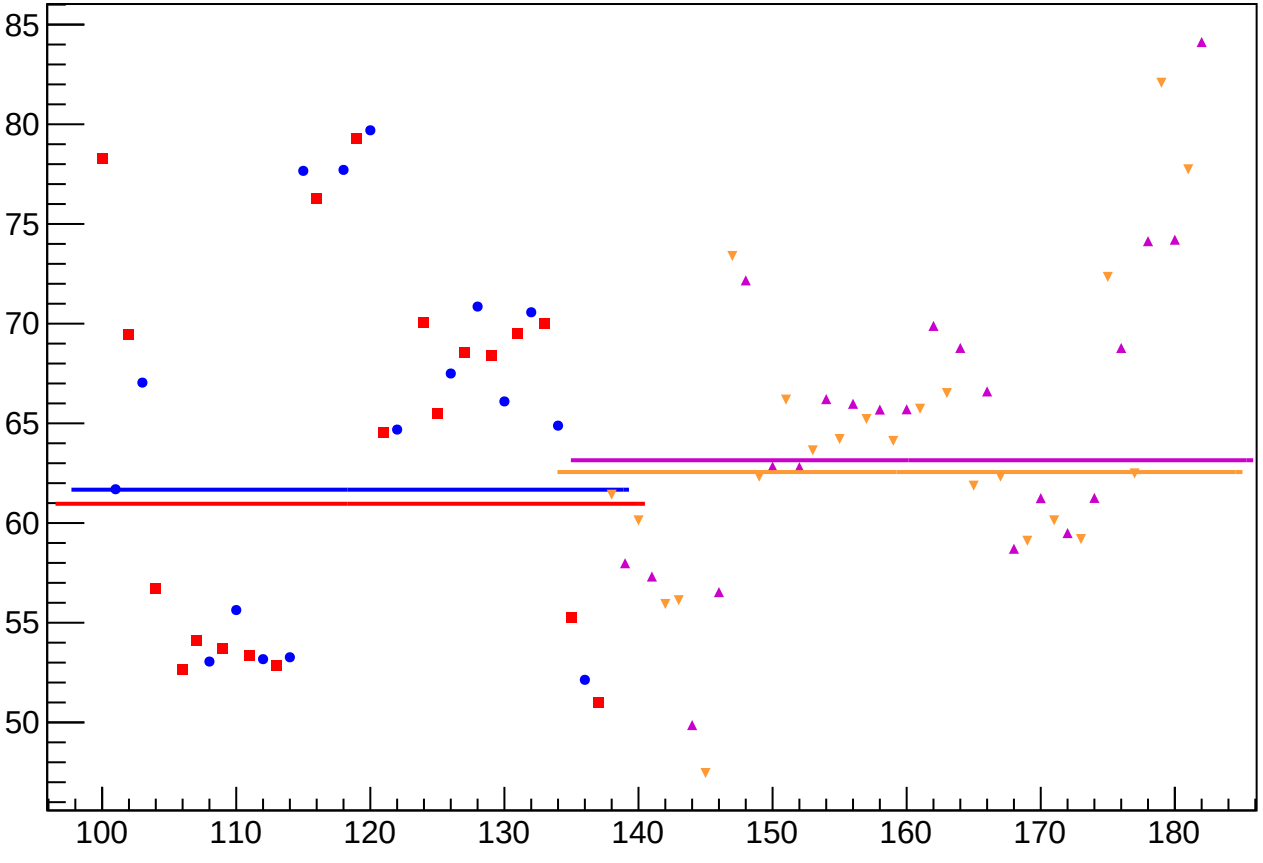
Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 21.180+/-12.589 χ^2/NDF:31.4/37

Out: -12.931+/-12.335 χ^2/NDF:51.8/41

All: 3.776+/-8.811 χ^2/NDF: 87.0/79

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 62.557+/-0.010 χ^2/NDF:455822.7/22

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 63.149+/-0.011 χ^2/NDF:447519.6/21

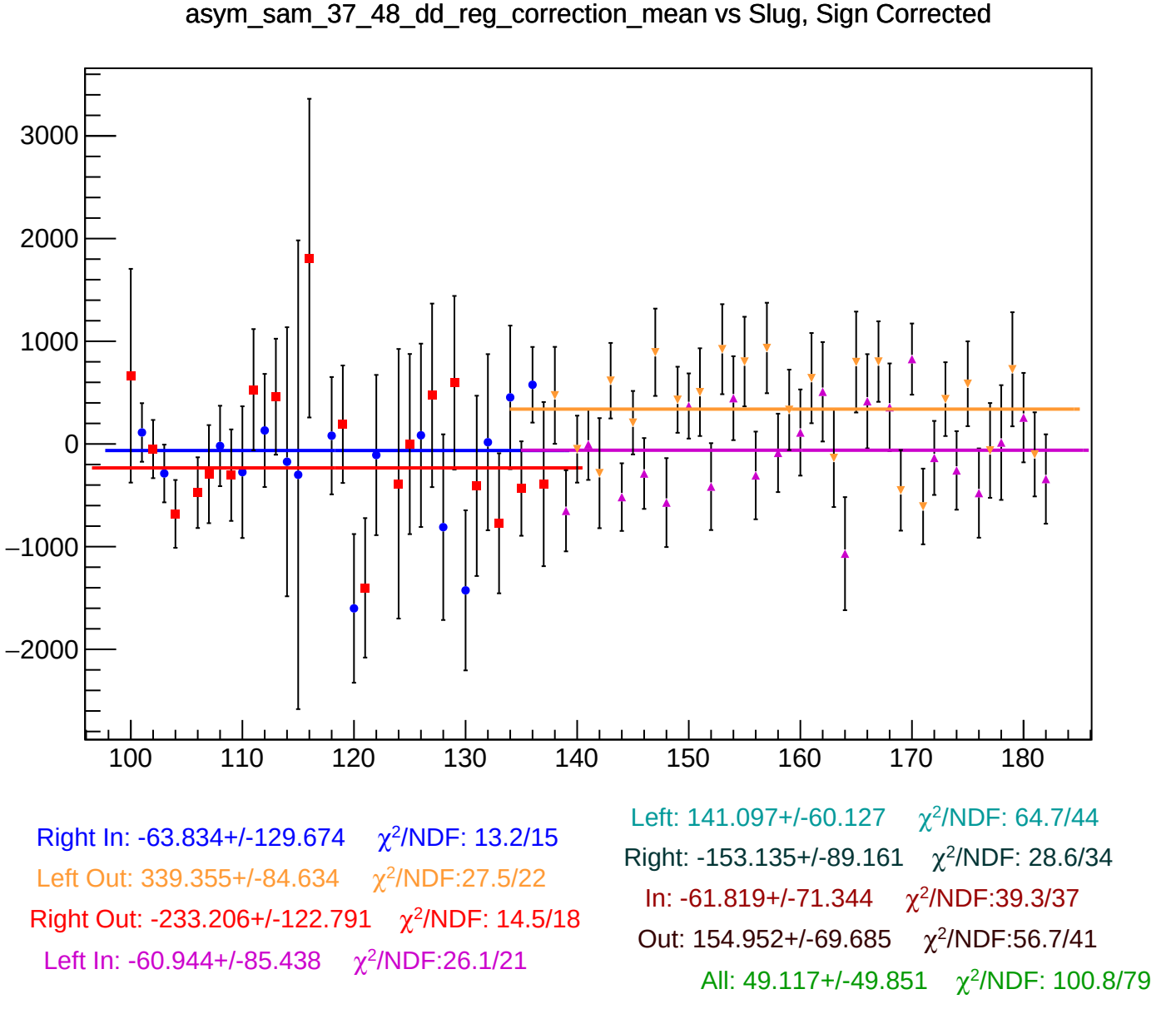
Left: 62.848+/-0.007 χ^2/NDF: 904929.9/44

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

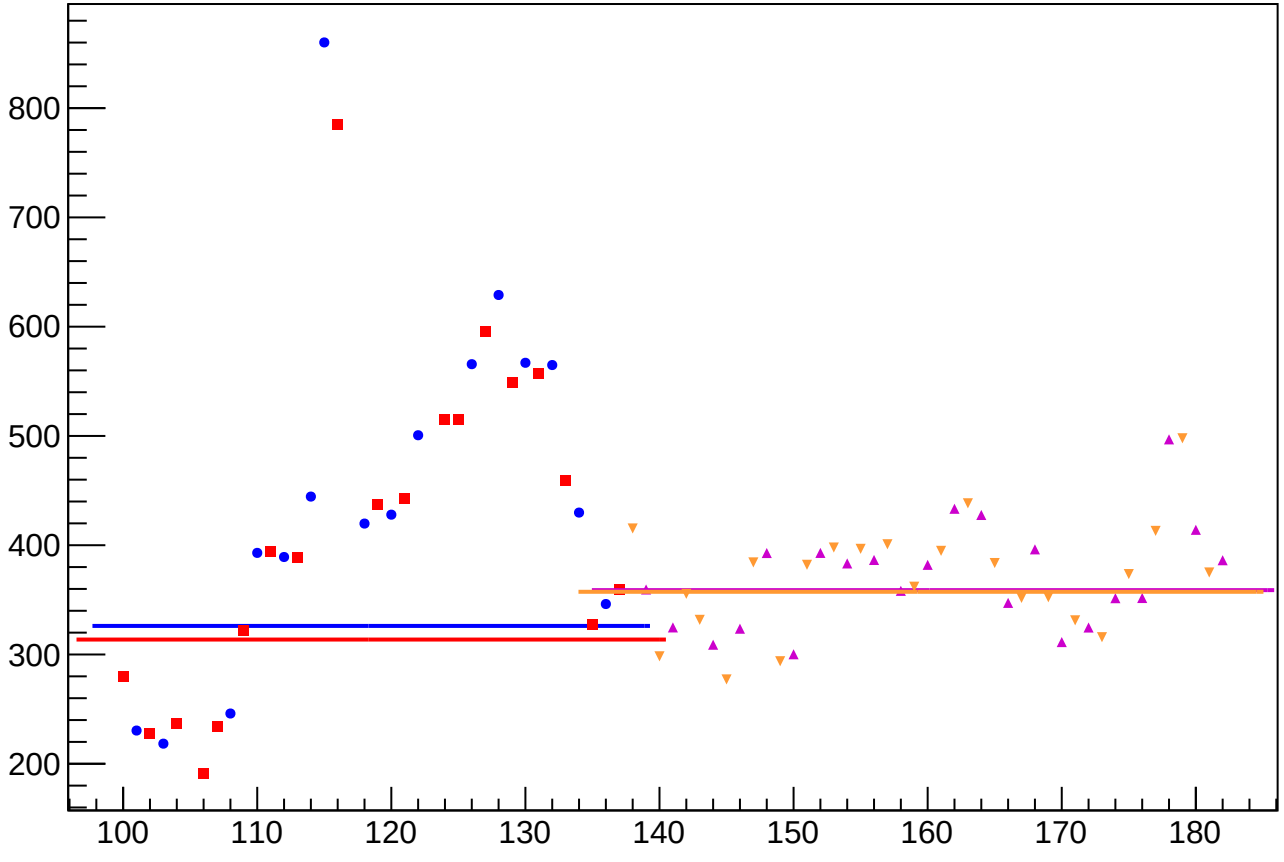
In: 62.714+/-0.009 χ^2/NDF:720348.7/37

Out: 62.082+/-0.009 χ^2/NDF:746972.9/41

All: 62.392+/-0.006 χ^2/NDF: 1469890.2/79


asym_sam_37_48_dd_reg_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: -63.834+/-129.674 χ²/NDF: 13.2/15
Left Out: 339.355+/-84.634 χ²/NDF:27.5/22
Right Out: -233.206+/-122.791 χ²/NDF: 14.5/18
Left In: -60.944+/-85.438 χ²/NDF:26.1/21
Left: 141.097+/-60.127 χ²/NDF: 64.7/44
Right: -153.135+/-89.161 χ²/NDF: 28.6/34
In: -61.819+/-71.344 χ²/NDF:39.3/37
Out: 154.952+/-69.685 χ²/NDF:56.7/41
All: 49.117+/-49.851 χ²/NDF: 100.8/79

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: 357.383+/-0.060 χ^2/NDF:665174.7/22

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 358.901+/-0.060 χ^2/NDF:515810.9/21

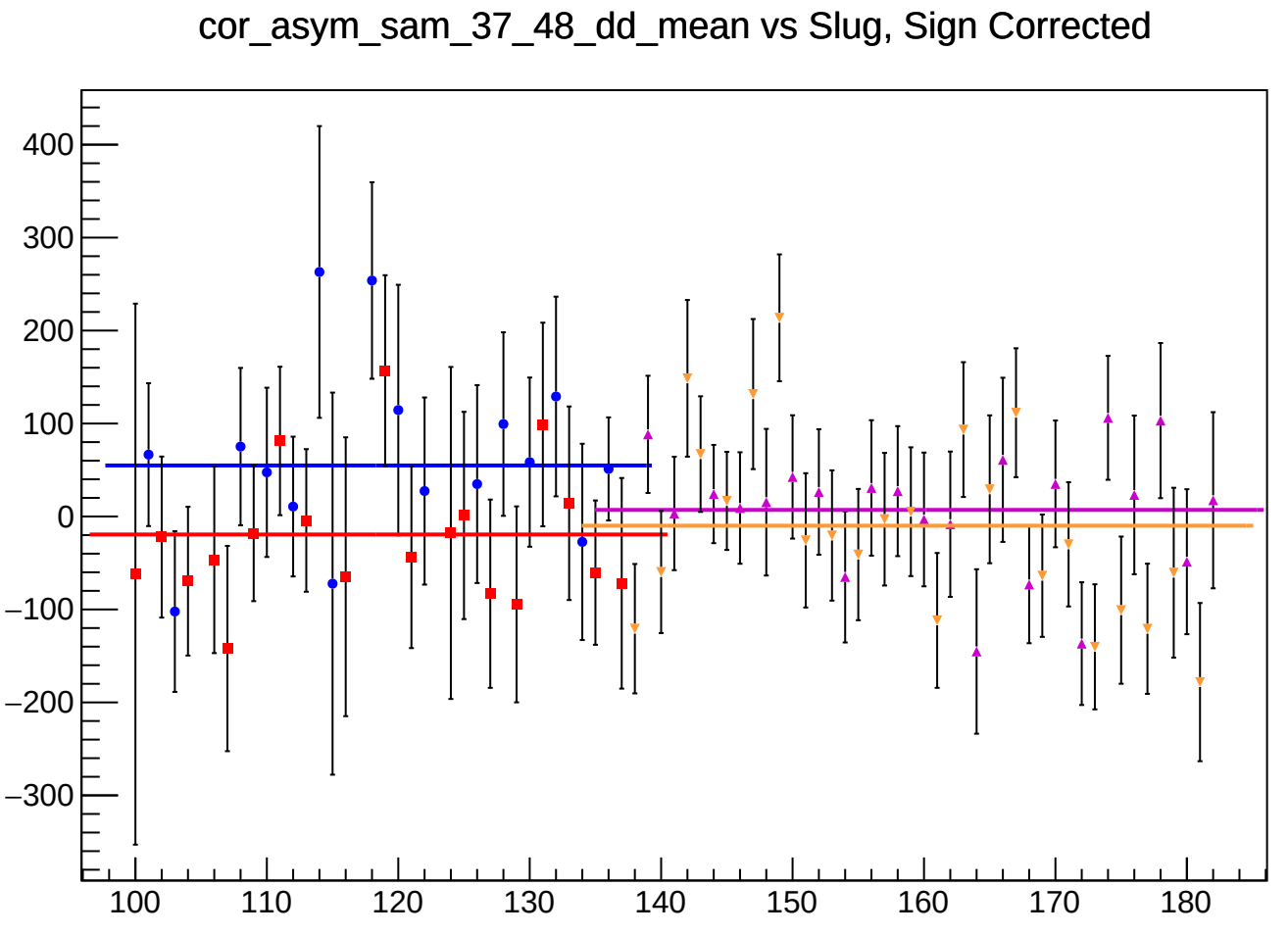
Left: 358.135+/-0.043 χ^2/NDF: 1181304.1/44

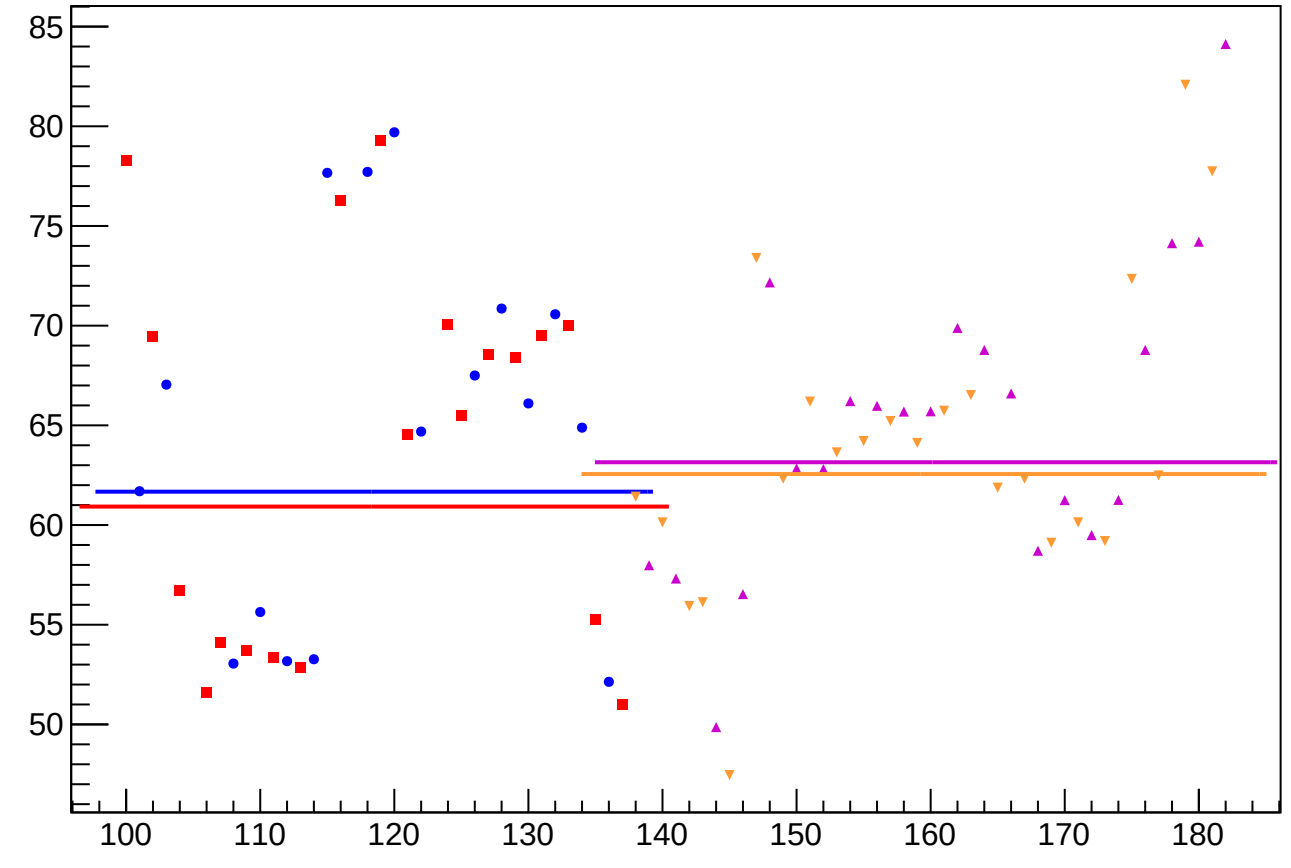
Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 348.986+/-0.050 χ^2/NDF:2338779.2/37

Out: 343.305+/-0.049 χ^2/NDF:2624339.7/41

All: 346.079+/-0.035 χ^2/NDF: 4969609.0/79


cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
180
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: -9.916+/-14.728 χ²/NDF:42.5/22
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 7.075+/-14.994 χ²/NDF:17.4/21
Left: -1.572+/-10.507 χ²/NDF: 60.5/44
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 21.177+/-12.589 χ²/NDF:31.4/37
Out: -12.731+/-12.337 χ²/NDF:51.7/41
All: 3.880+/-8.812 χ²/NDF: 86.9/79



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 62.557+/-0.010 χ^2/NDF:455822.7/22

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 63.149+/-0.011 χ^2/NDF:447519.6/21

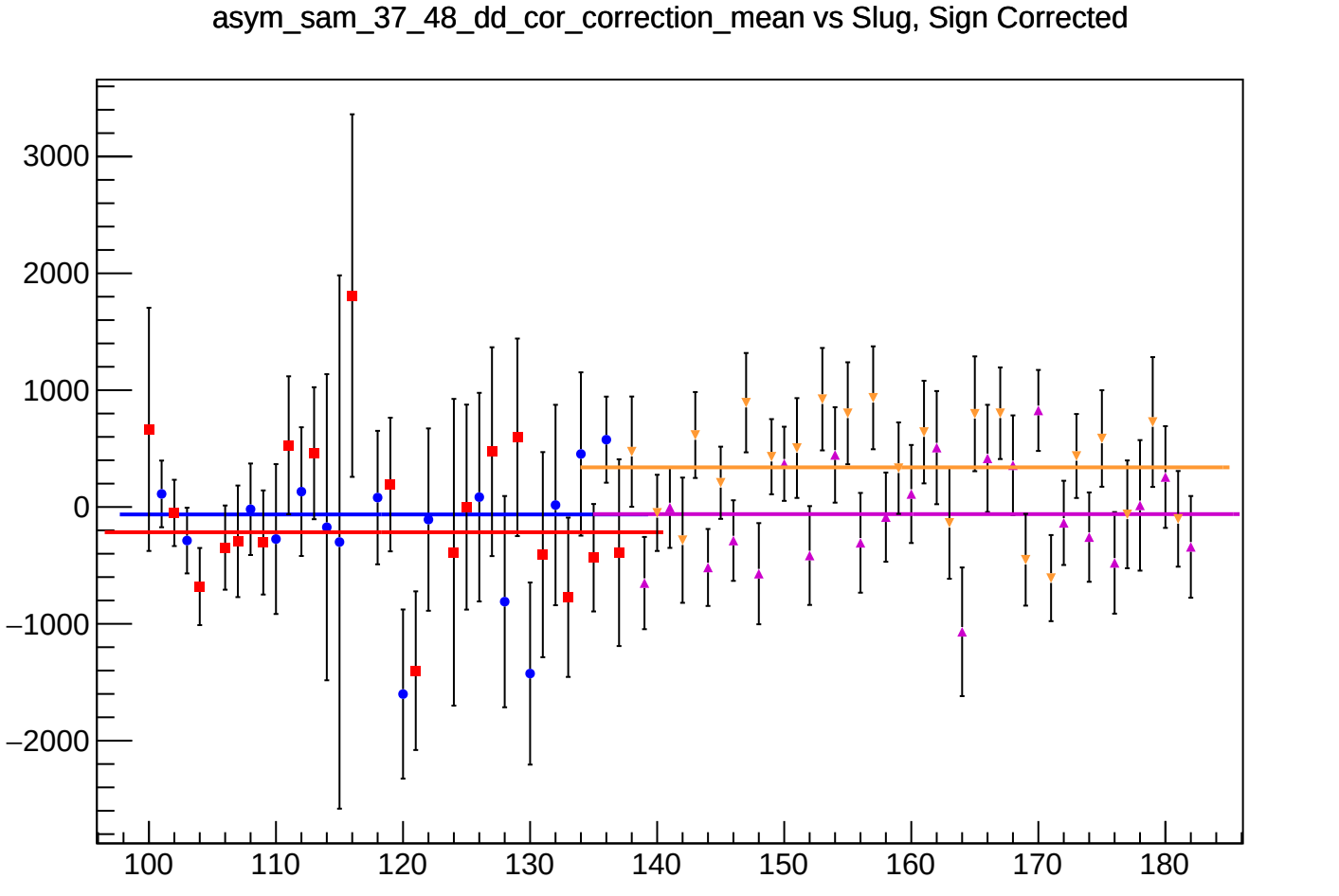
Left: 62.848+/-0.007 χ^2/NDF: 904930.0/44

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 62.714+/-0.009 χ^2/NDF:720348.9/37

Out: 62.070+/-0.009 χ^2/NDF:750723.9/41

All: 62.386+/-0.006 χ^2/NDF: 1473736.9/79



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 339.352+/-84.634 χ^2/NDF:27.5/22

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -60.942+/-85.438 χ^2/NDF:26.1/21

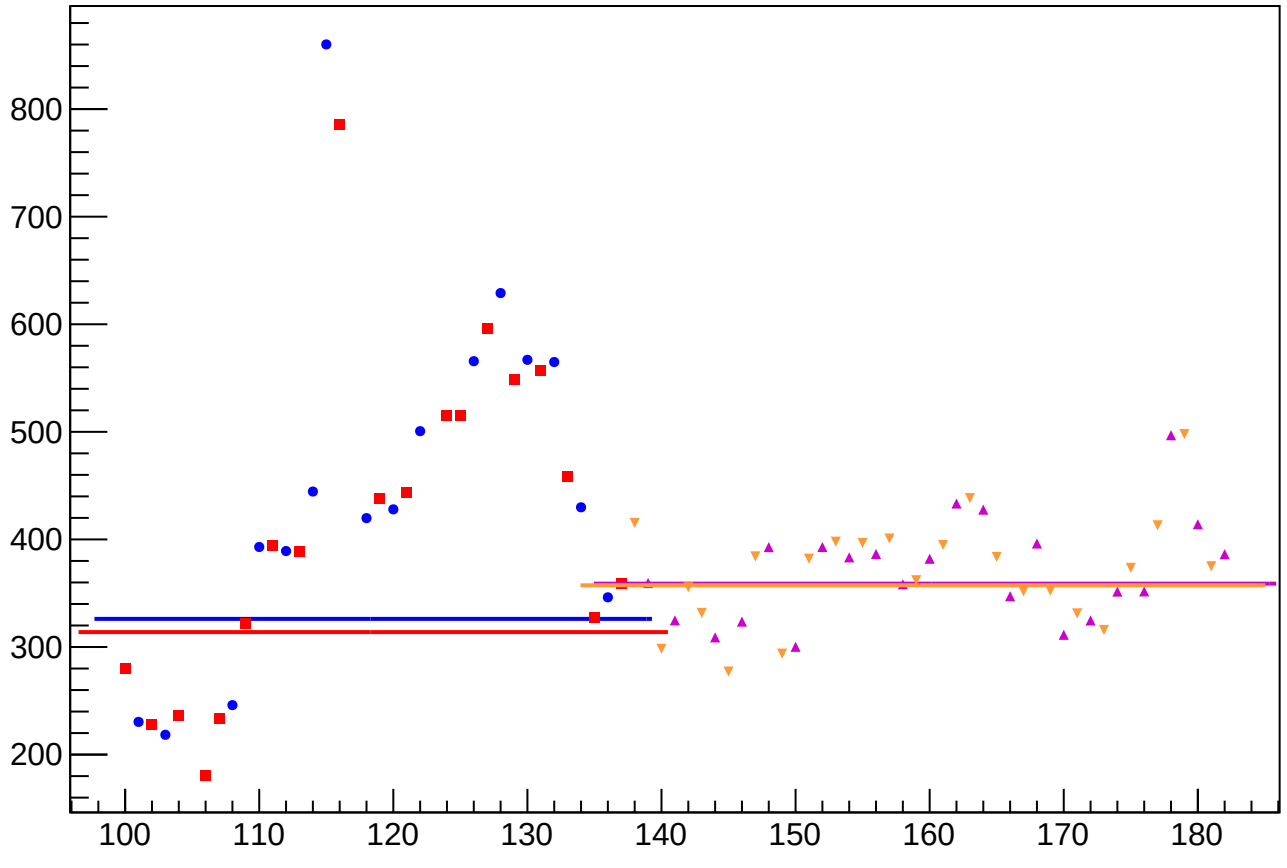
Left: 141.097+/-60.128 χ^2/NDF: 64.7/44

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -61.813+/-71.345 χ^2/NDF:39.3/37

Out: 161.897+/-69.812 χ^2/NDF:55.4/41

All: 52.470+/-49.898 χ^2/NDF: 99.7/79



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 357.383+/-0.060 χ^2/NDF:665171.5/22

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 358.901+/-0.060 χ^2/NDF:515813.3/21

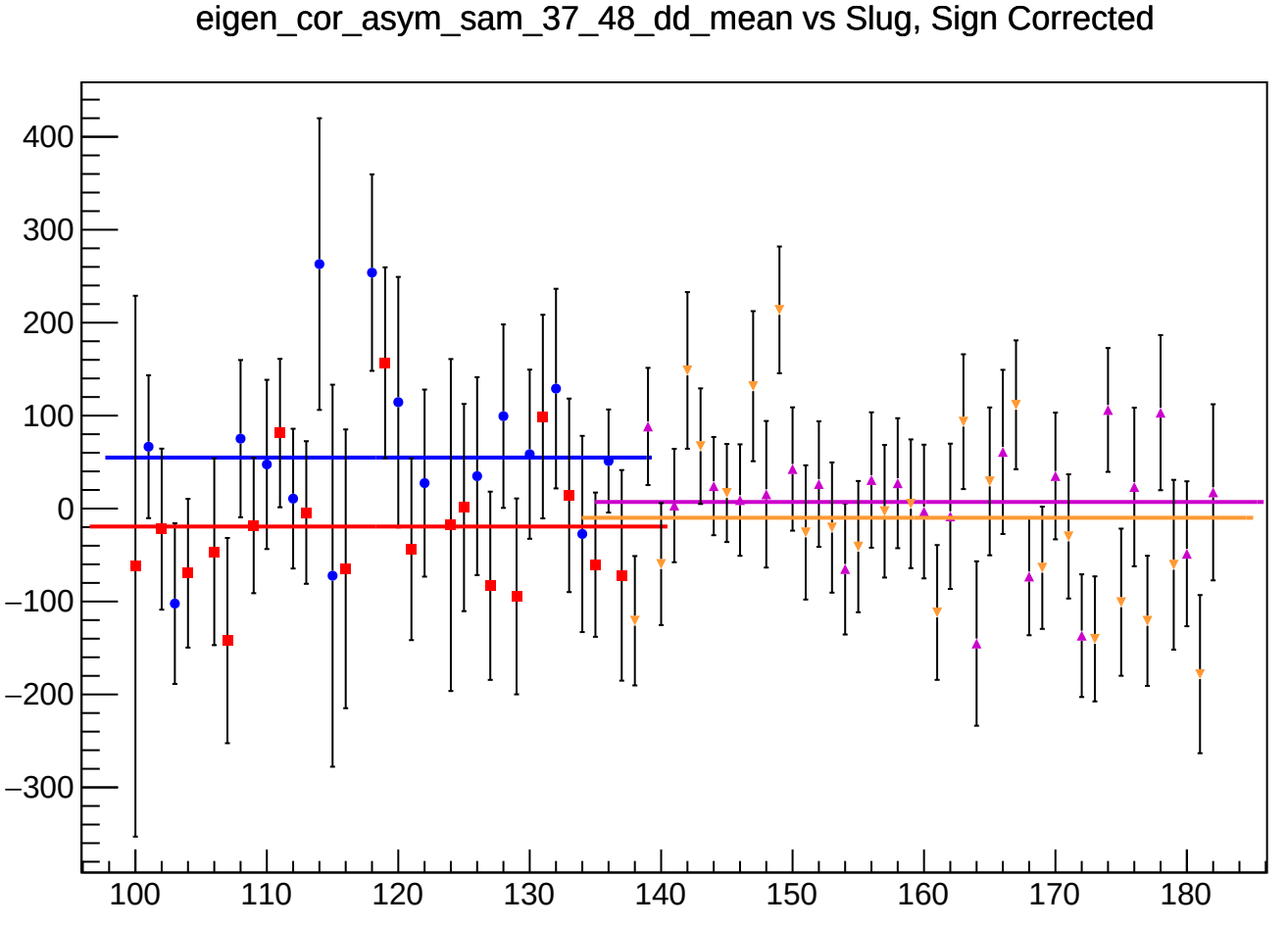
Left: 358.135+/-0.043 χ^2/NDF: 1181303.4/44

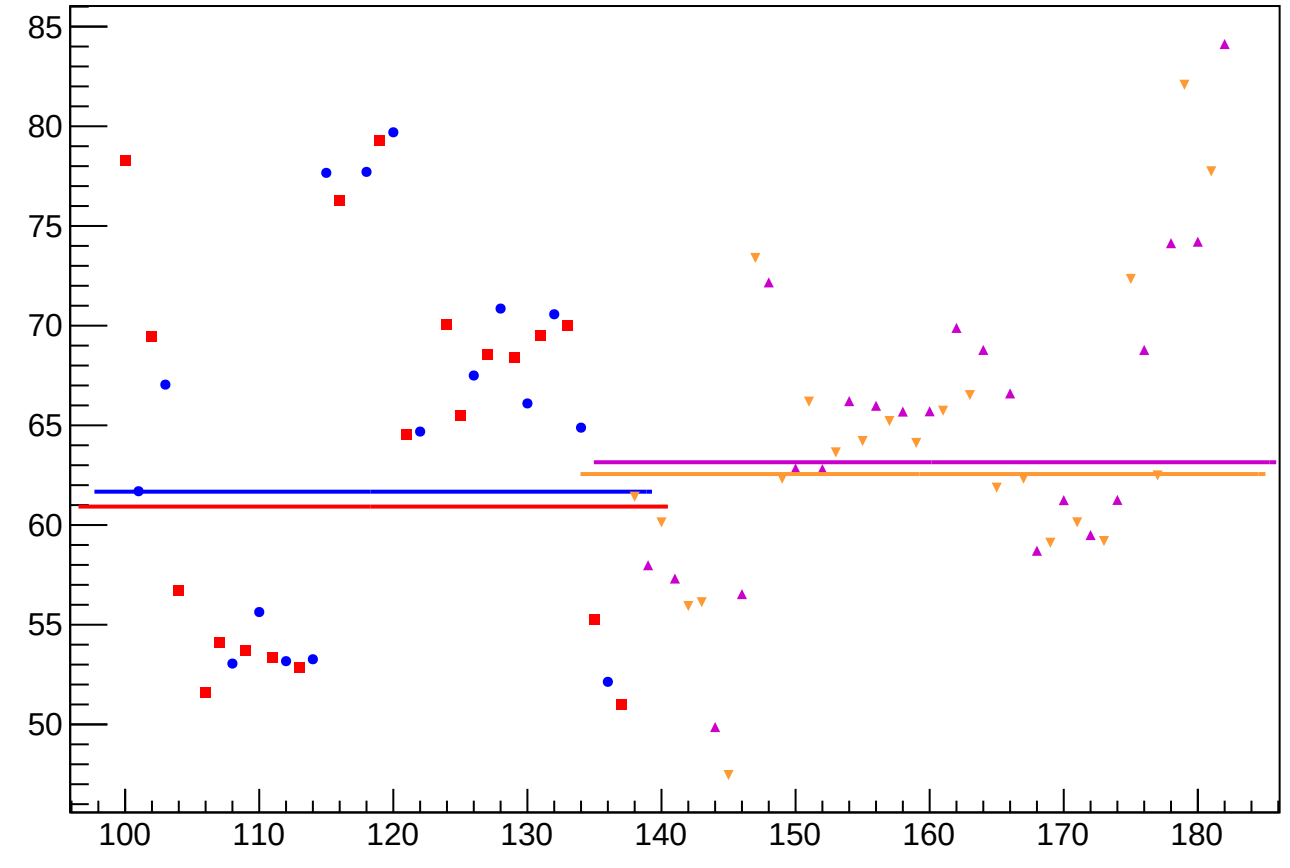
Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 348.987+/-0.050 χ^2/NDF:2338704.5/37

Out: 343.474+/-0.049 χ^2/NDF:2639977.6/41

All: 346.171+/-0.035 χ^2/NDF: 4984783.6/79


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
180
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: -9.916+/-14.728 χ²/NDF:42.5/22
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 7.075+/-14.994 χ²/NDF:17.4/21
Left: -1.572+/-10.507 χ²/NDF: 60.5/44
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 21.177+/-12.589 χ²/NDF:31.4/37
Out: -12.731+/-12.337 χ²/NDF:51.7/41
All: 3.880+/-8.812 χ²/NDF: 86.9/79



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 62.557+/-0.010 χ^2/NDF:455822.7/22

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 63.149+/-0.011 χ^2/NDF:447519.6/21

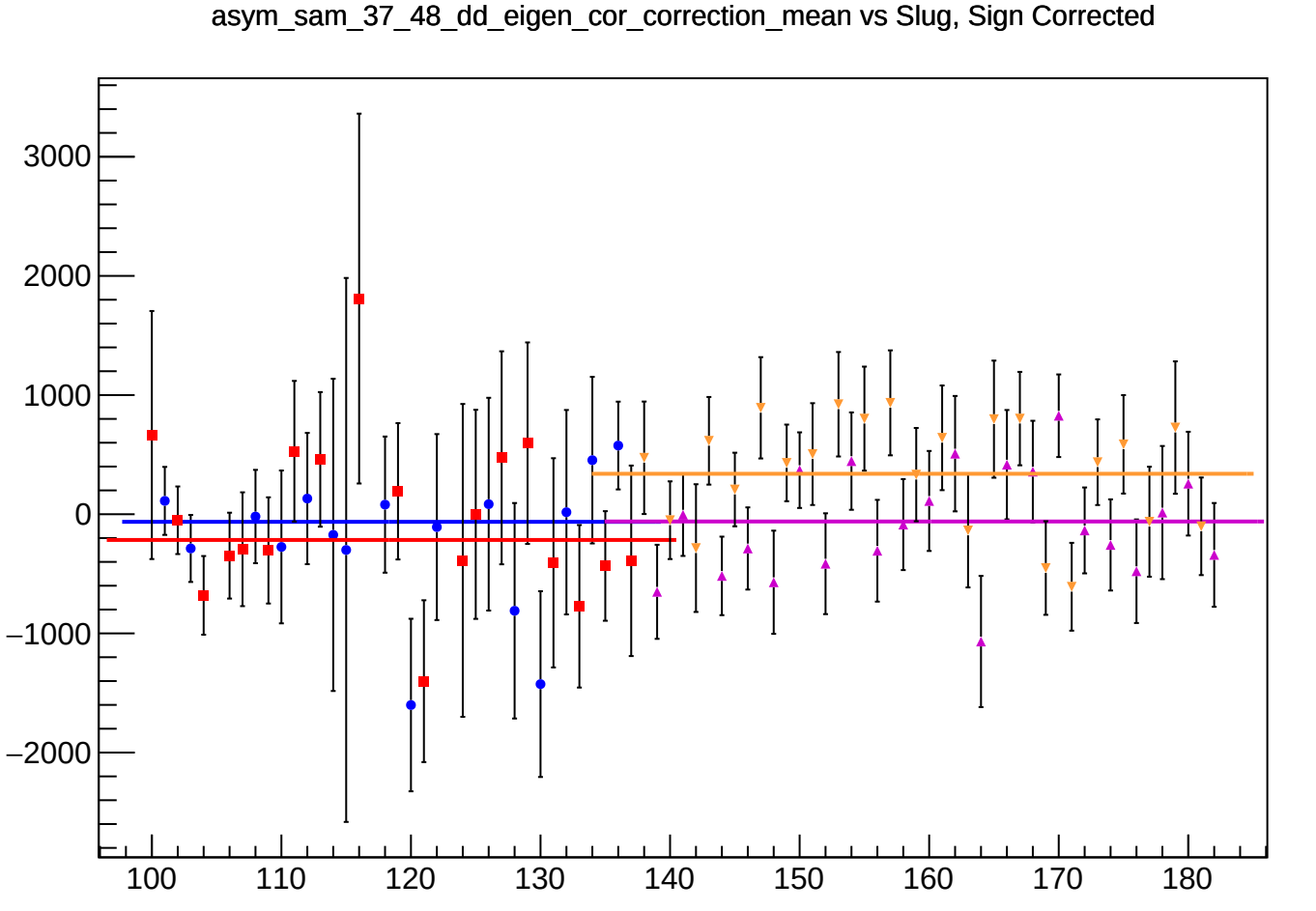
Left: 62.848+/-0.007 χ^2/NDF: 904930.0/44

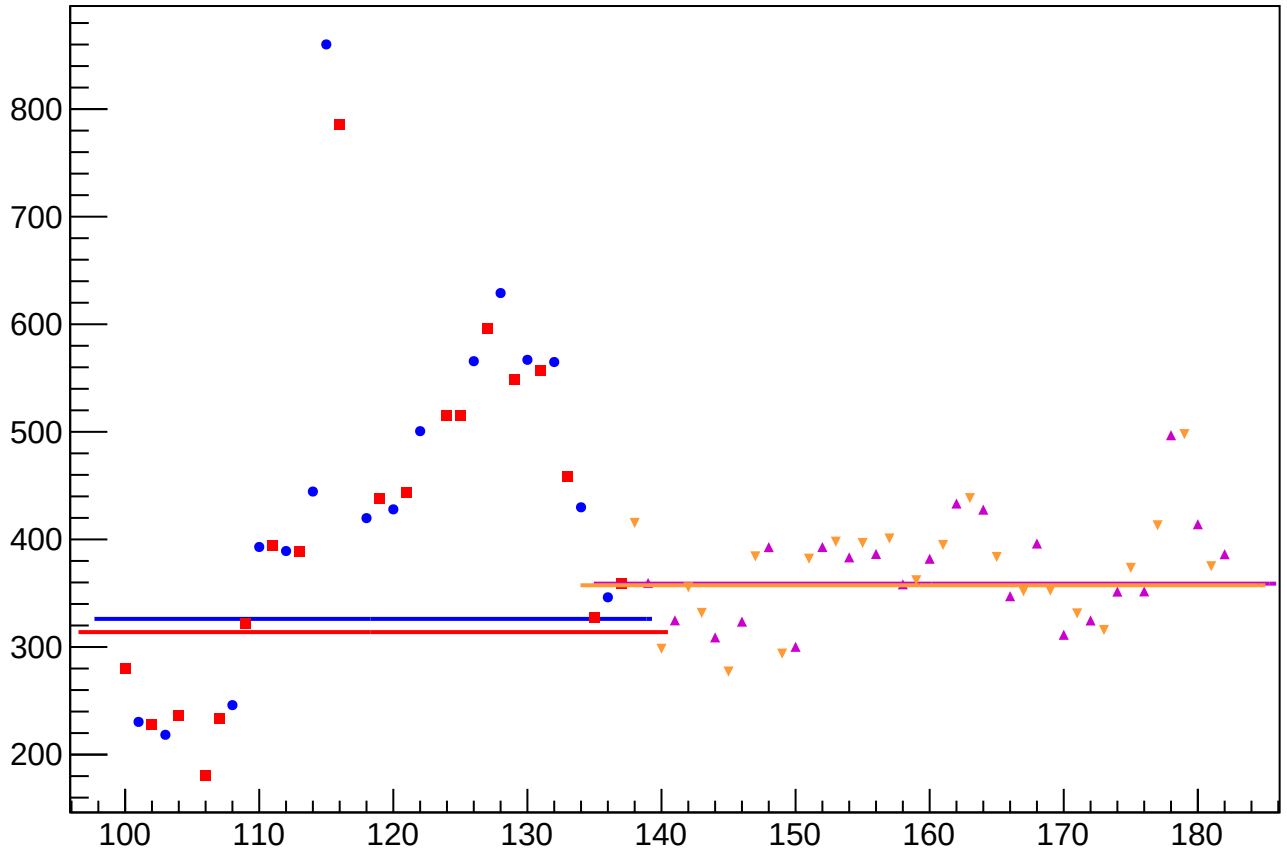
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 62.714+/-0.009 χ^2/NDF:720348.9/37

Out: 62.070+/-0.009 χ^2/NDF:750723.9/41

All: 62.386+/-0.006 χ^2/NDF: 1473736.9/79


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 339.352+/-84.634 χ²/NDF:27.5/22
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -60.942+/-85.438 χ²/NDF:26.1/21
Left: 141.097+/-60.128 χ²/NDF: 64.7/44
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -61.813+/-71.345 χ²/NDF:39.3/37
Out: 161.897+/-69.812 χ²/NDF:55.4/41
All: 52.470+/-49.898 χ²/NDF: 99.7/79



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 357.383+/-0.060 χ^2/NDF:665171.5/22

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 358.901+/-0.060 χ^2/NDF:515813.3/21

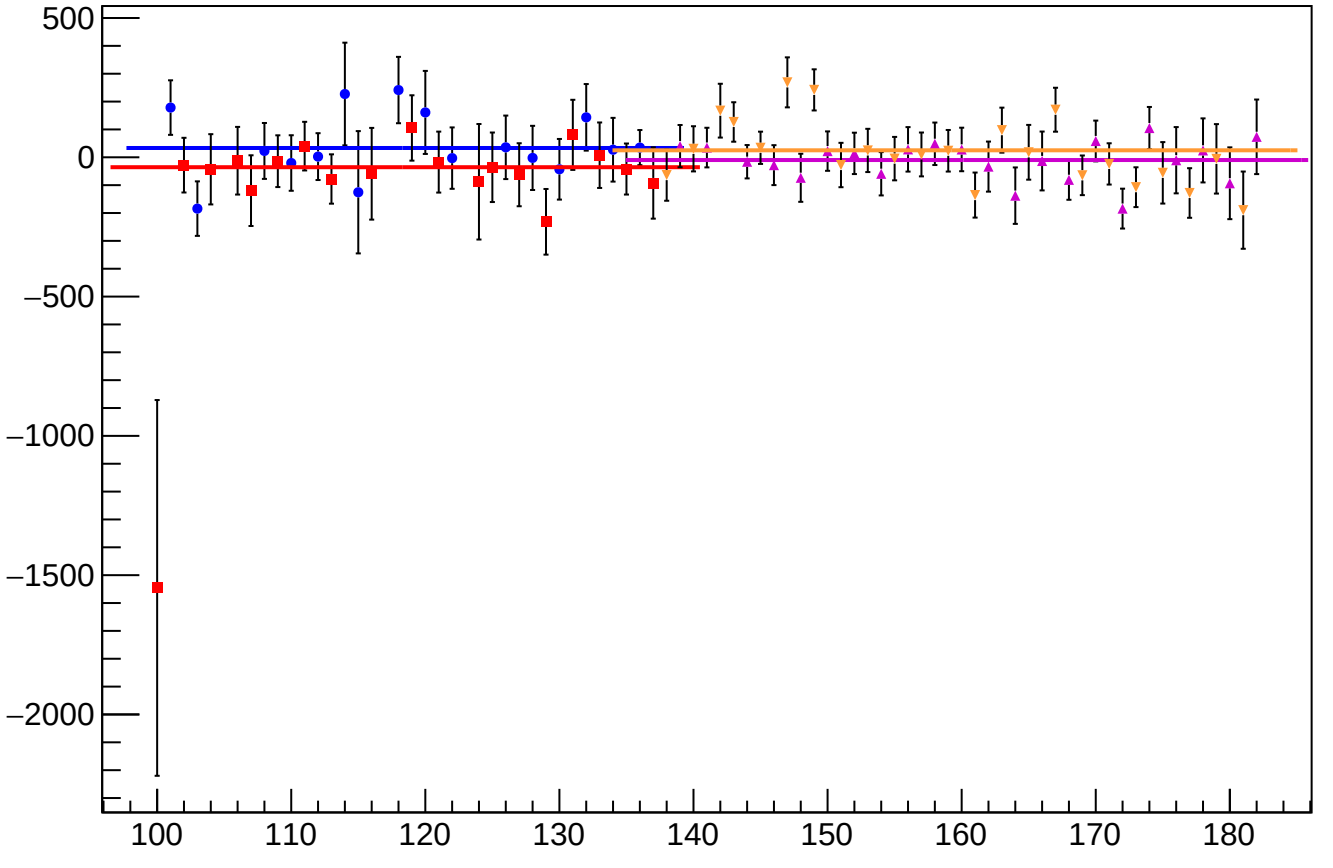
Left: 358.135+/-0.043 χ^2/NDF: 1181303.4/44

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 348.987+/-0.050 χ^2/NDF:2338704.5/37

Out: 343.474+/-0.049 χ^2/NDF:2639977.6/41

All: 346.171+/-0.035 χ^2/NDF: 4984783.6/79



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 25.102+/-16.946 χ^2/NDF:41.4/22

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -9.832+/-17.293 χ^2/NDF:15.9/21

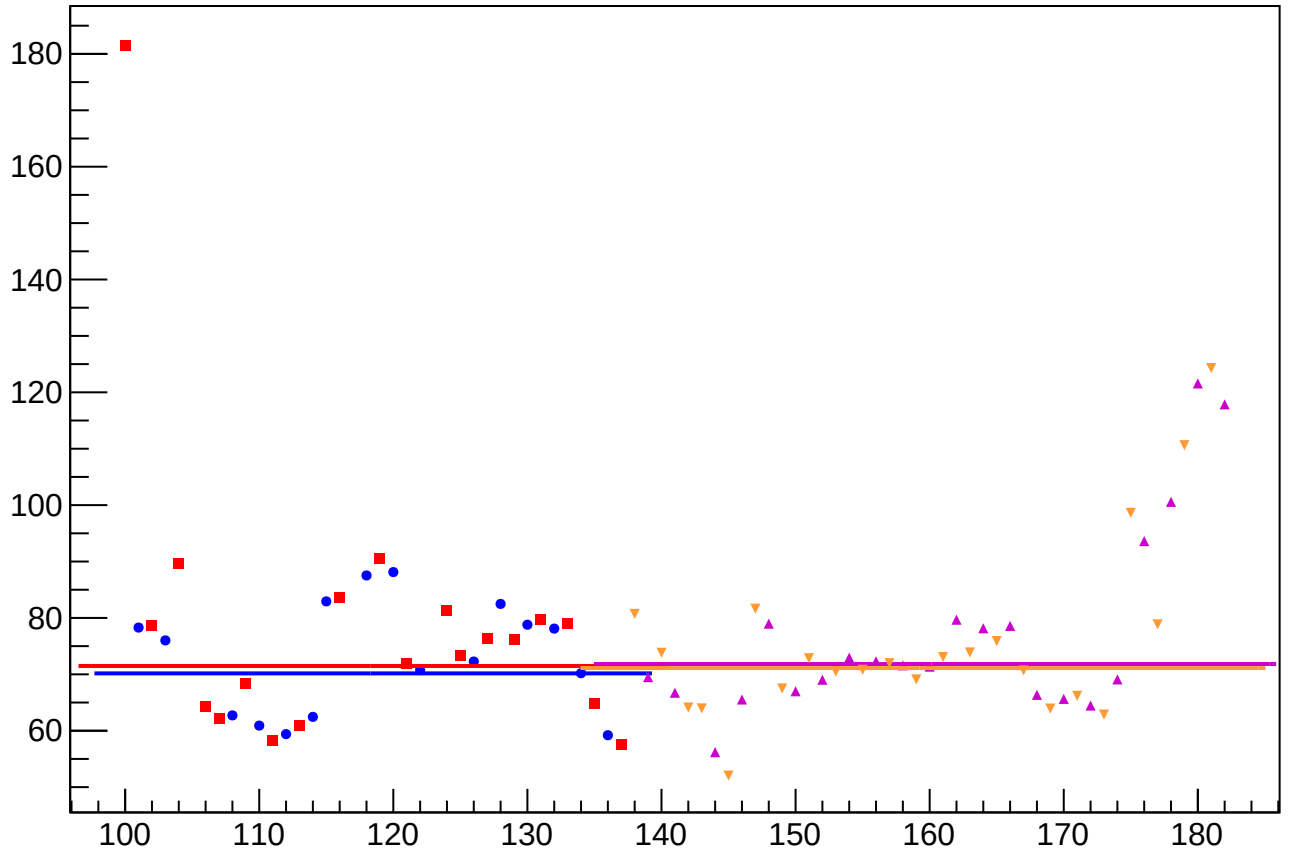
Left: 7.988+/-12.104 χ^2/NDF: 59.4/44

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 3.137+/-14.468 χ^2/NDF:32.3/37

Out: 7.524+/-14.282 χ^2/NDF:57.2/41

All: 5.359+/-10.164 χ^2/NDF: 89.6/79



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 71.110+/-0.012 χ^2/NDF:1005747.7/22

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 71.825+/-0.012 χ^2/NDF:998112.7/21

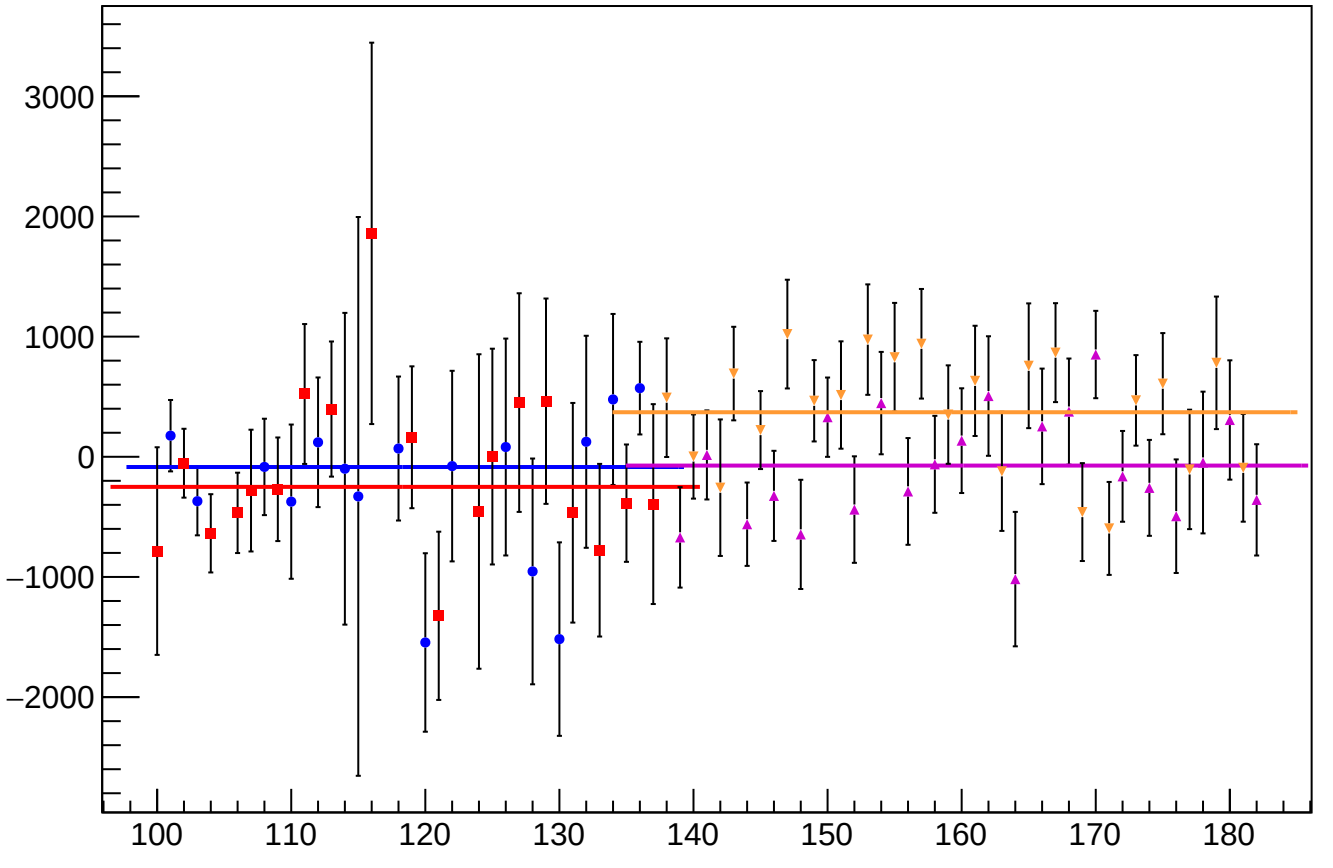
Left: 71.460+/-0.009 χ^2/NDF: 2005605.4/44

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 71.328+/-0.010 χ^2/NDF:1272876.8/37

Out: 71.218+/-0.010 χ^2/NDF:1331743.7/41

All: 71.272+/-0.007 χ^2/NDF: 2604678.8/79



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 370.697+/-88.873 χ^2/NDF:26.5/22

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -73.184+/-90.111 χ^2/NDF:24.4/21

Left: 151.827+/-63.276 χ^2/NDF: 63.2/44

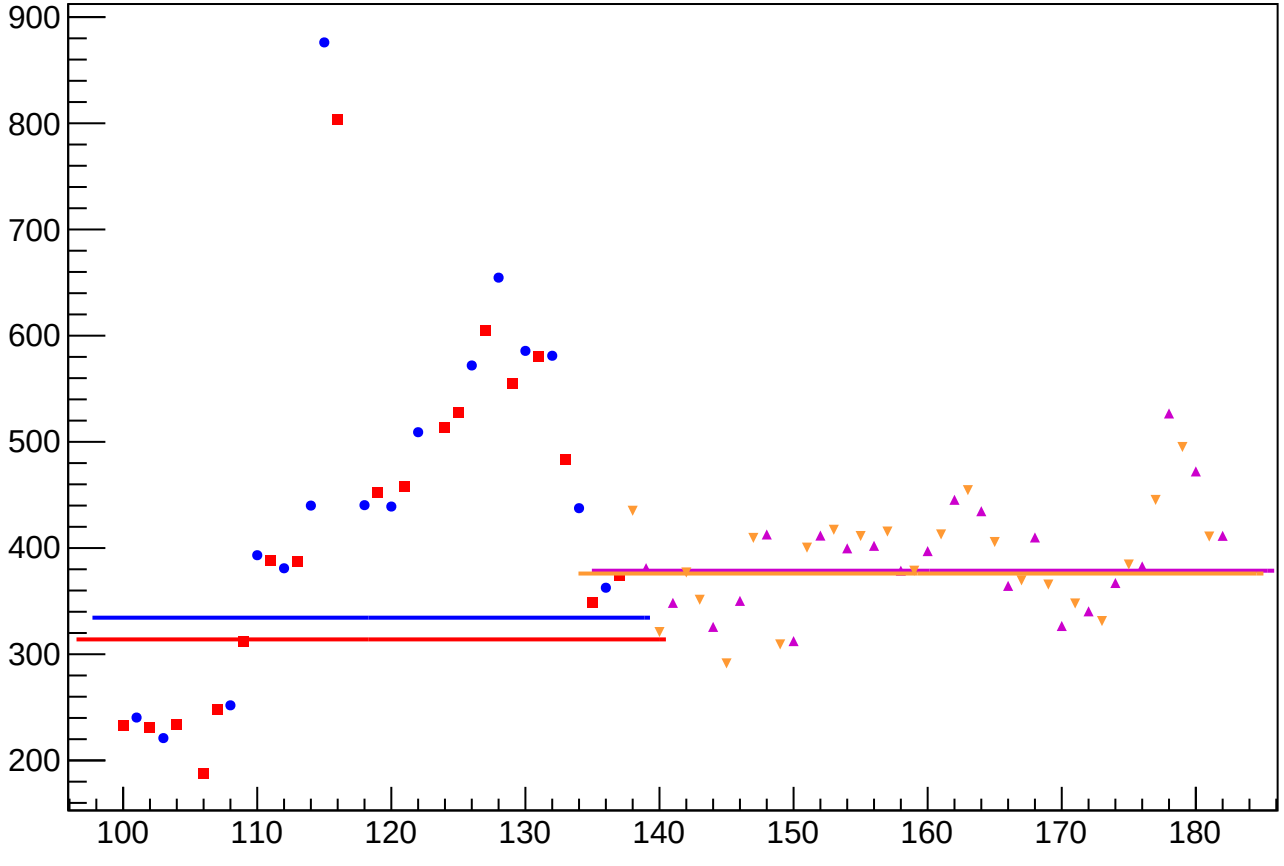
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -76.964+/-74.579 χ^2/NDF:38.1/37

Out: 158.332+/-72.097 χ^2/NDF:55.7/41

All: 44.665+/-51.836 χ^2/NDF: 99.0/79

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: 375.994+/-0.063 χ^2/NDF:615783.1/22

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 378.663+/-0.064 χ^2/NDF:527008.0/21

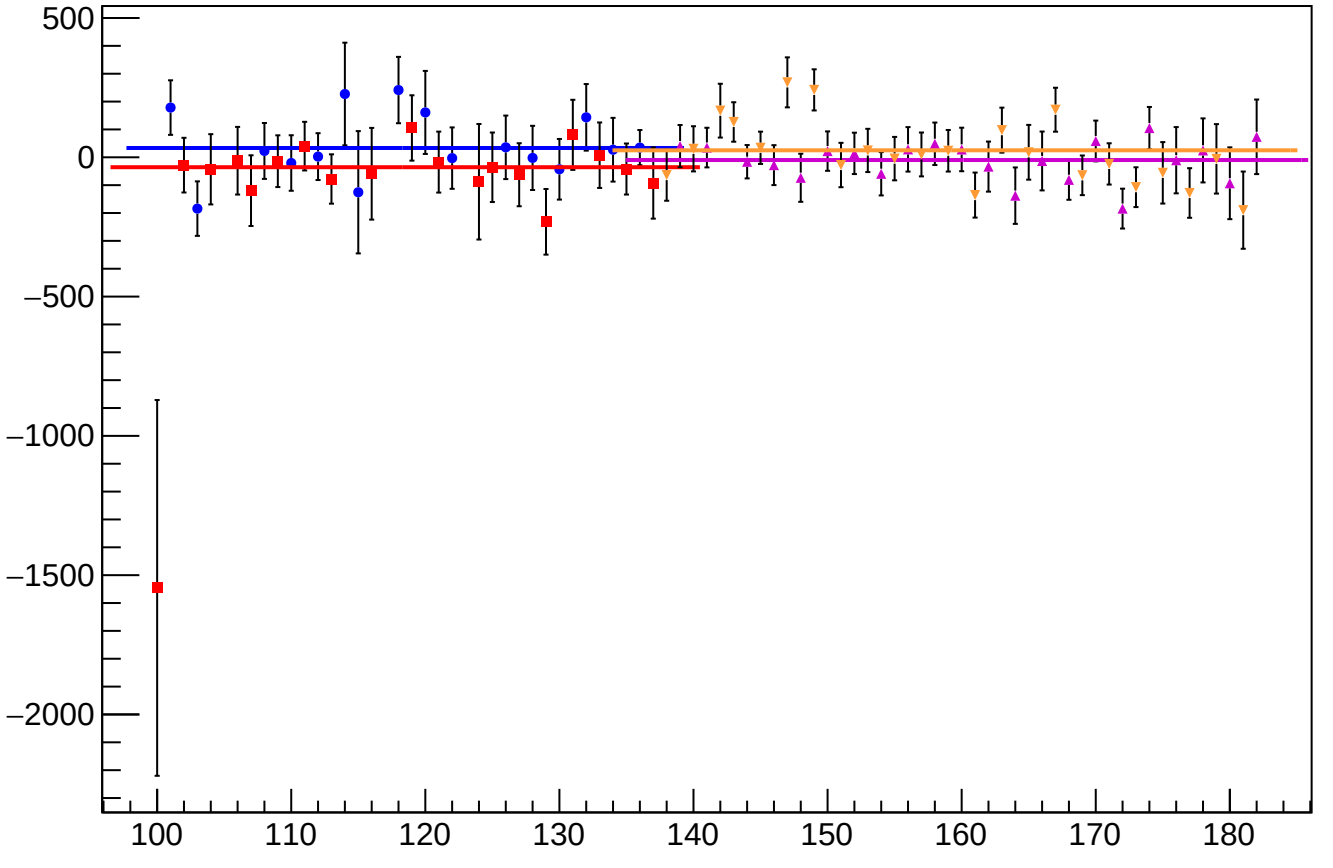
Left: 377.310+/-0.045 χ^2/NDF: 1143680.8/44

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 364.729+/-0.053 χ^2/NDF:2409422.9/37

Out: 354.788+/-0.051 χ^2/NDF:2853419.1/41

All: 359.590+/-0.037 χ^2/NDF: 5281210.0/79



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 25.101+/-16.946 χ^2/NDF:41.4/22

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -9.832+/-17.293 χ^2/NDF:15.9/21

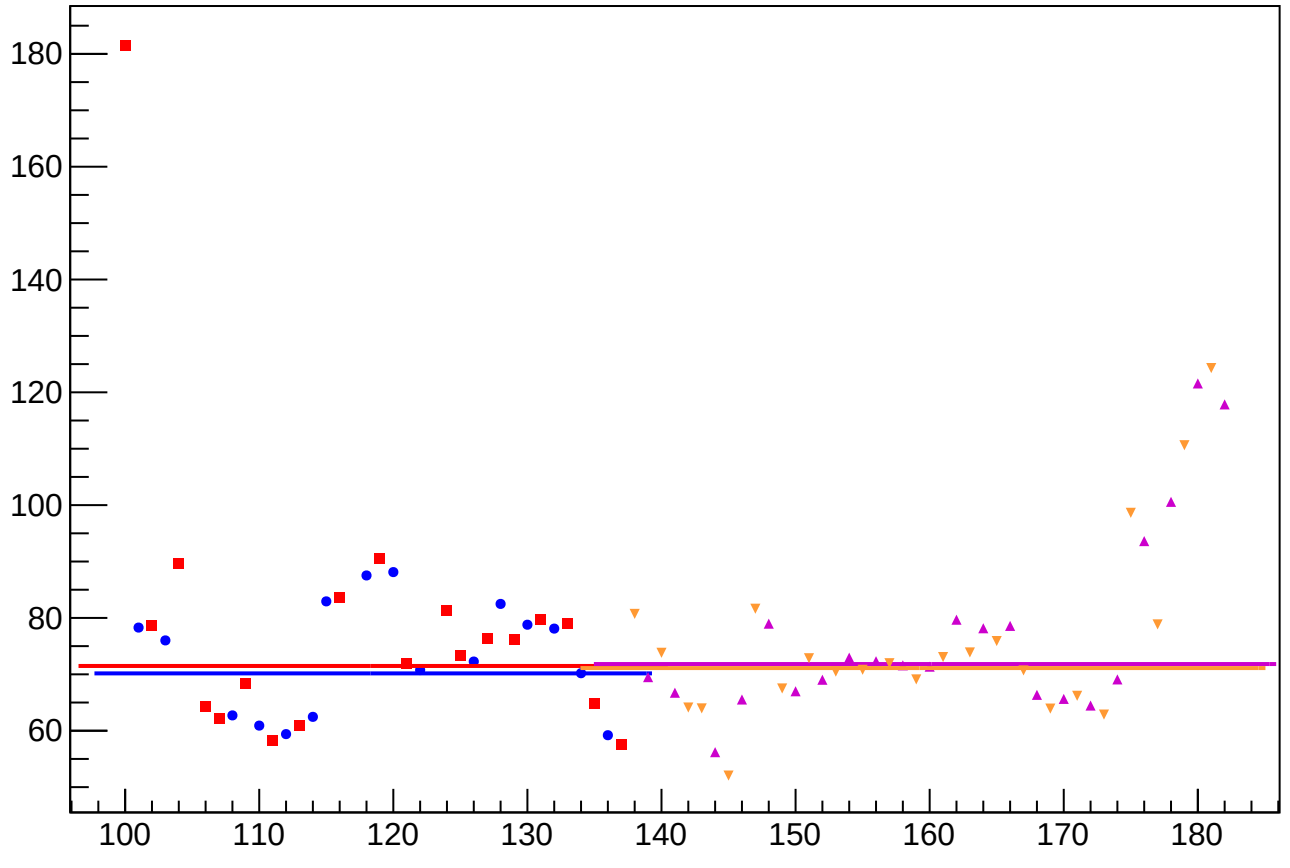
Left: 7.988+/-12.104 χ^2/NDF: 59.4/44

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 3.137+/-14.468 χ^2/NDF:32.3/37

Out: 7.523+/-14.282 χ^2/NDF:57.2/41

All: 5.358+/-10.164 χ^2/NDF: 89.6/79



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 71.110+/-0.012 χ^2/NDF:1005754.1/22

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 71.825+/-0.012 χ^2/NDF:998102.4/21

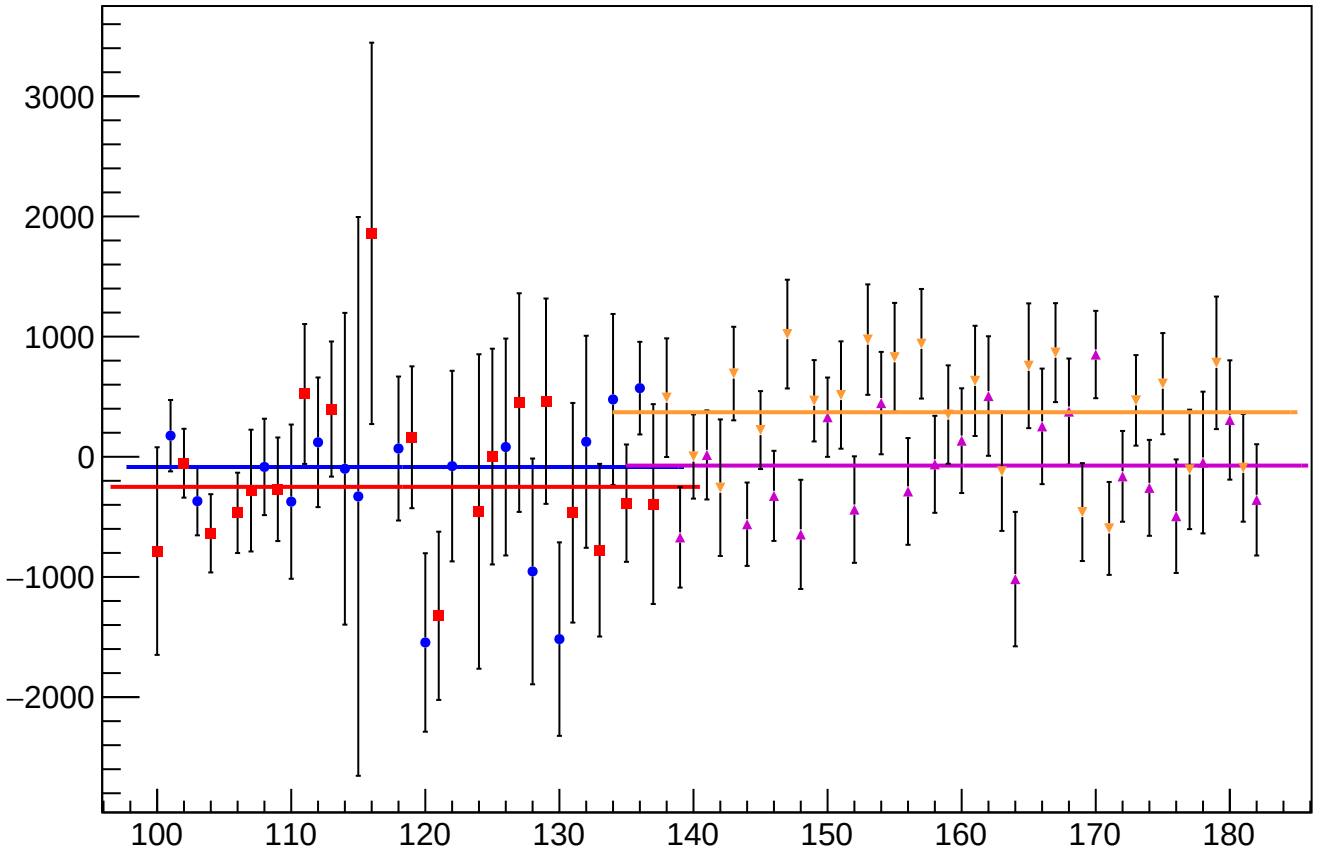
Left: 71.460+/-0.009 χ^2/NDF: 2005601.5/44

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 71.328+/-0.010 χ^2/NDF:1272868.6/37

Out: 71.218+/-0.010 χ^2/NDF:1331756.8/41

All: 71.272+/-0.007 χ^2/NDF: 2604683.6/79



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 370.696+/-88.873 χ^2/NDF:26.5/22

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -73.184+/-90.111 χ^2/NDF:24.4/21

Left: 151.827+/-63.276 χ^2/NDF: 63.2/44

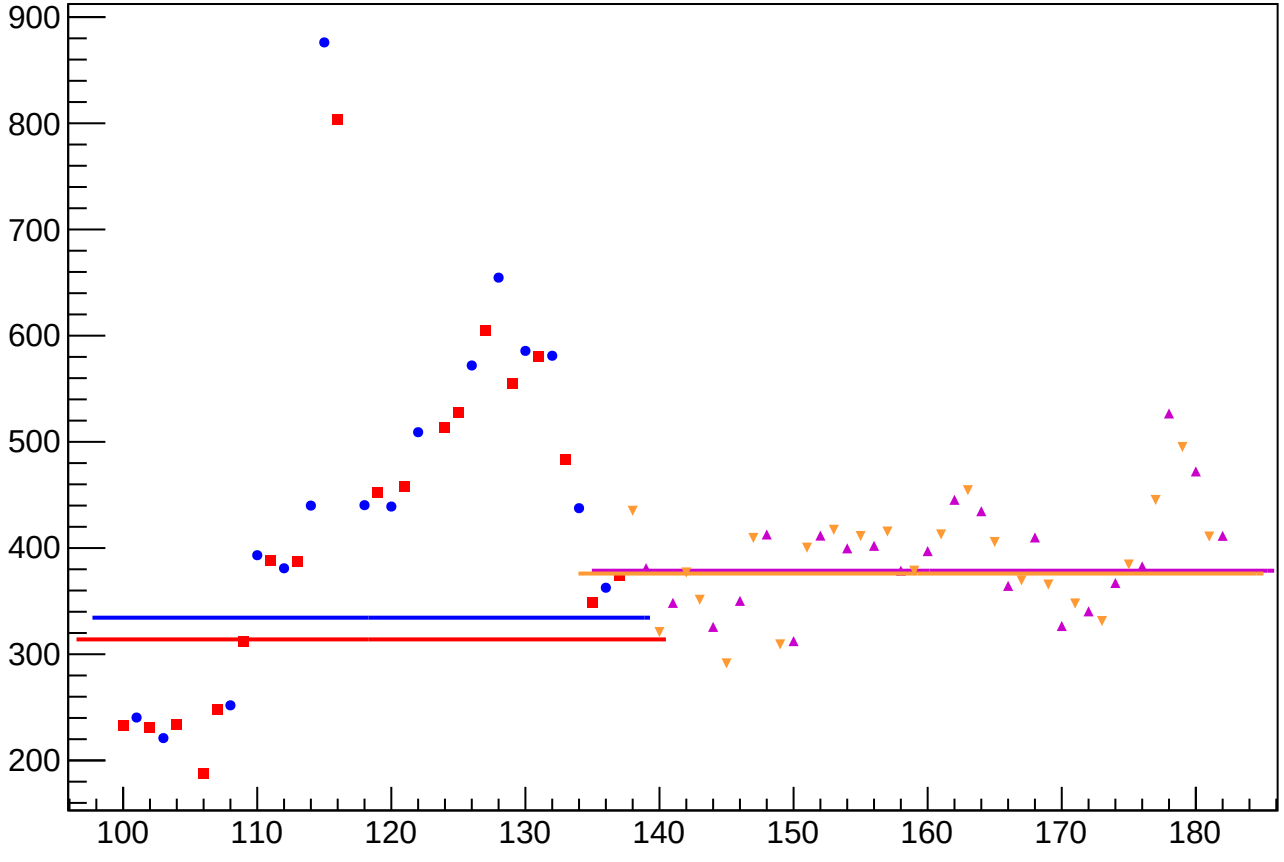
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -76.964+/-74.579 χ^2/NDF:38.1/37

Out: 158.332+/-72.097 χ^2/NDF:55.7/41

All: 44.665+/-51.835 χ^2/NDF: 99.0/79

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: 375.993+/-0.063 χ^2/NDF:615782.9/22

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 378.663+/-0.064 χ^2/NDF:527003.8/21

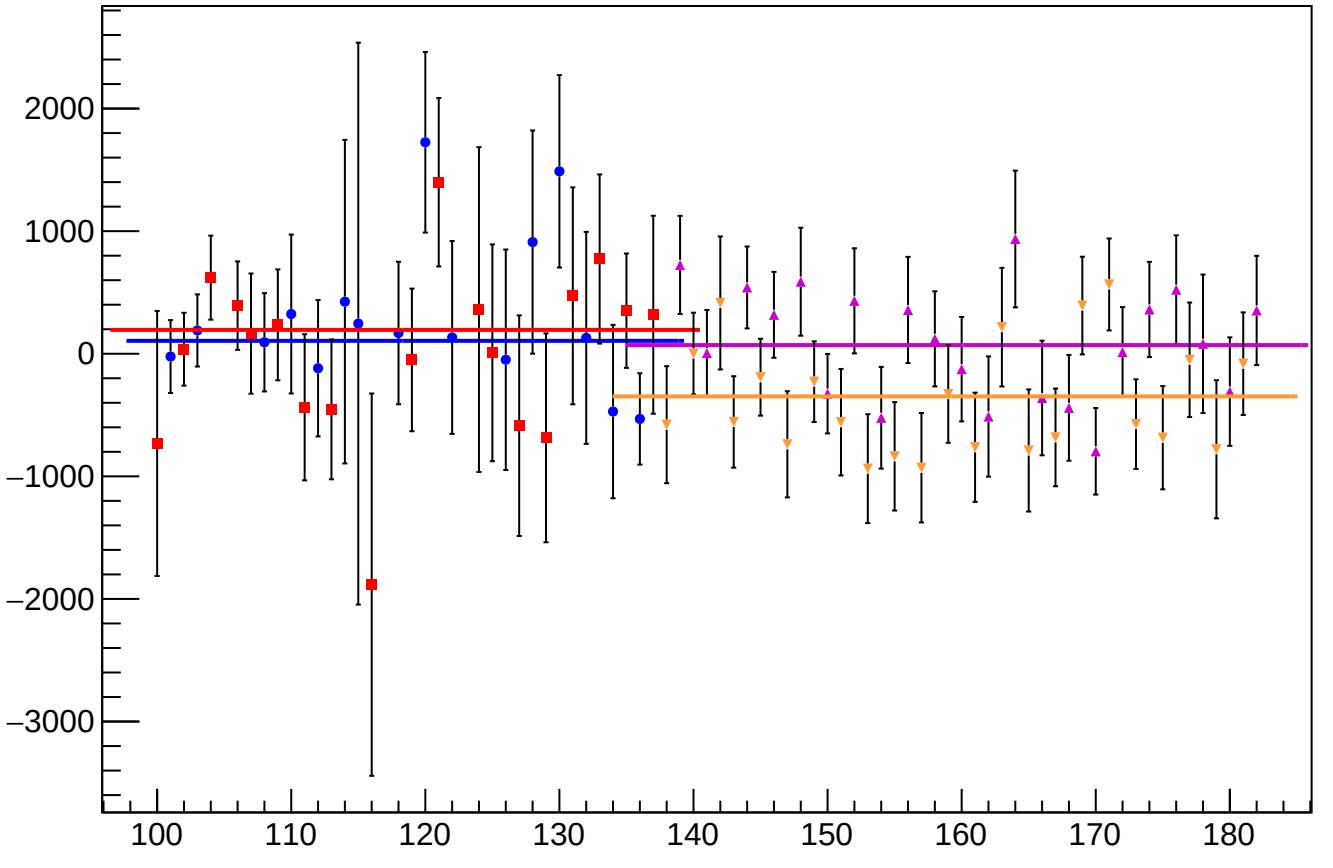
Left: 377.309+/-0.045 χ^2/NDF: 1143676.5/44

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 364.729+/-0.053 χ^2/NDF:2409414.6/37

Out: 354.788+/-0.051 χ^2/NDF:2853413.9/41

All: 359.590+/-0.037 χ^2/NDF: 5281196.9/79



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -347.827+/-85.995 χ^2/NDF:25.3/22

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 70.657+/-86.823 χ^2/NDF:26.3/21

Left: -140.590+/-61.098 χ^2/NDF: 63.3/44

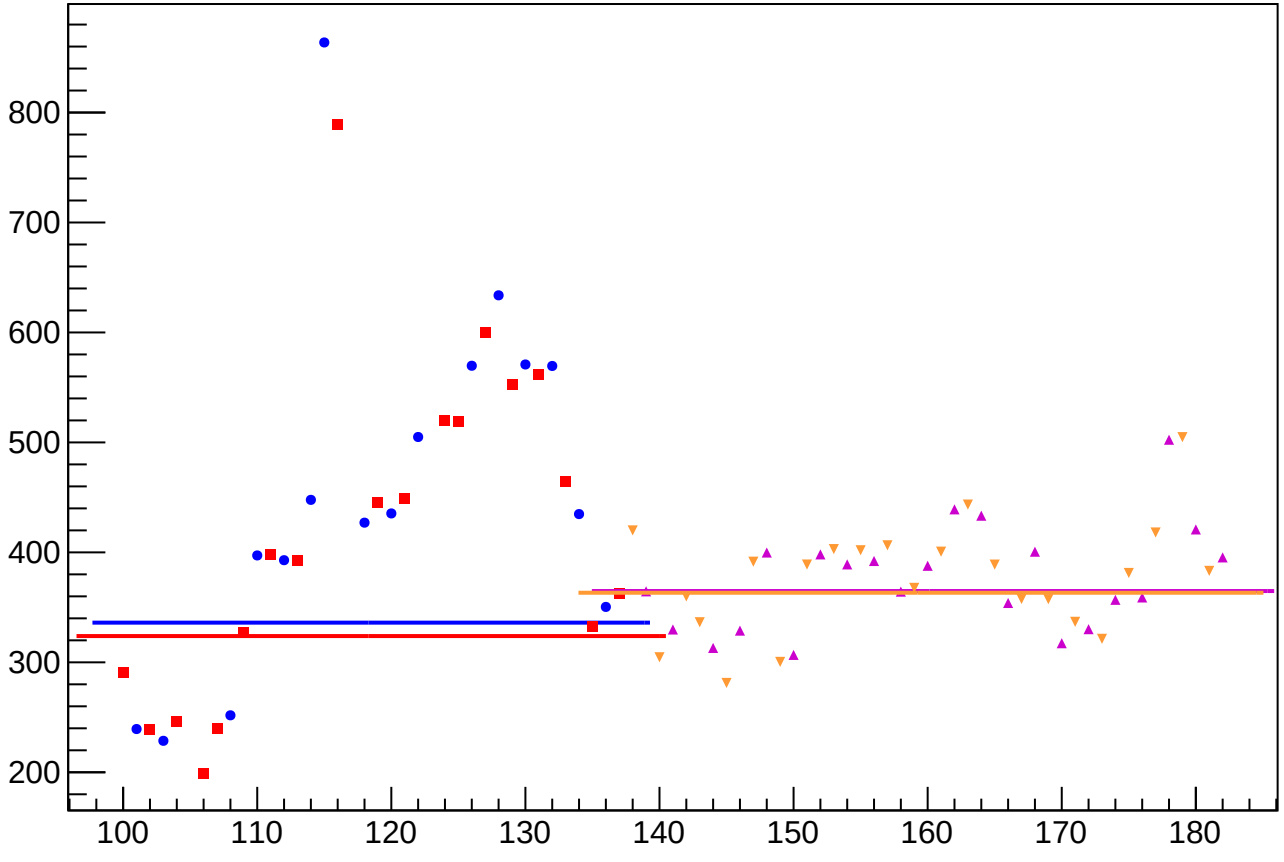
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 81.031+/-72.710 χ^2/NDF:39.3/37

Out: -175.787+/-71.065 χ^2/NDF:51.0/41

All: -50.318+/-50.822 χ^2/NDF: 96.8/79

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 363.288+/-0.061 χ^2/NDF:649885.0/22

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 364.827+/-0.061 χ^2/NDF:504718.3/21

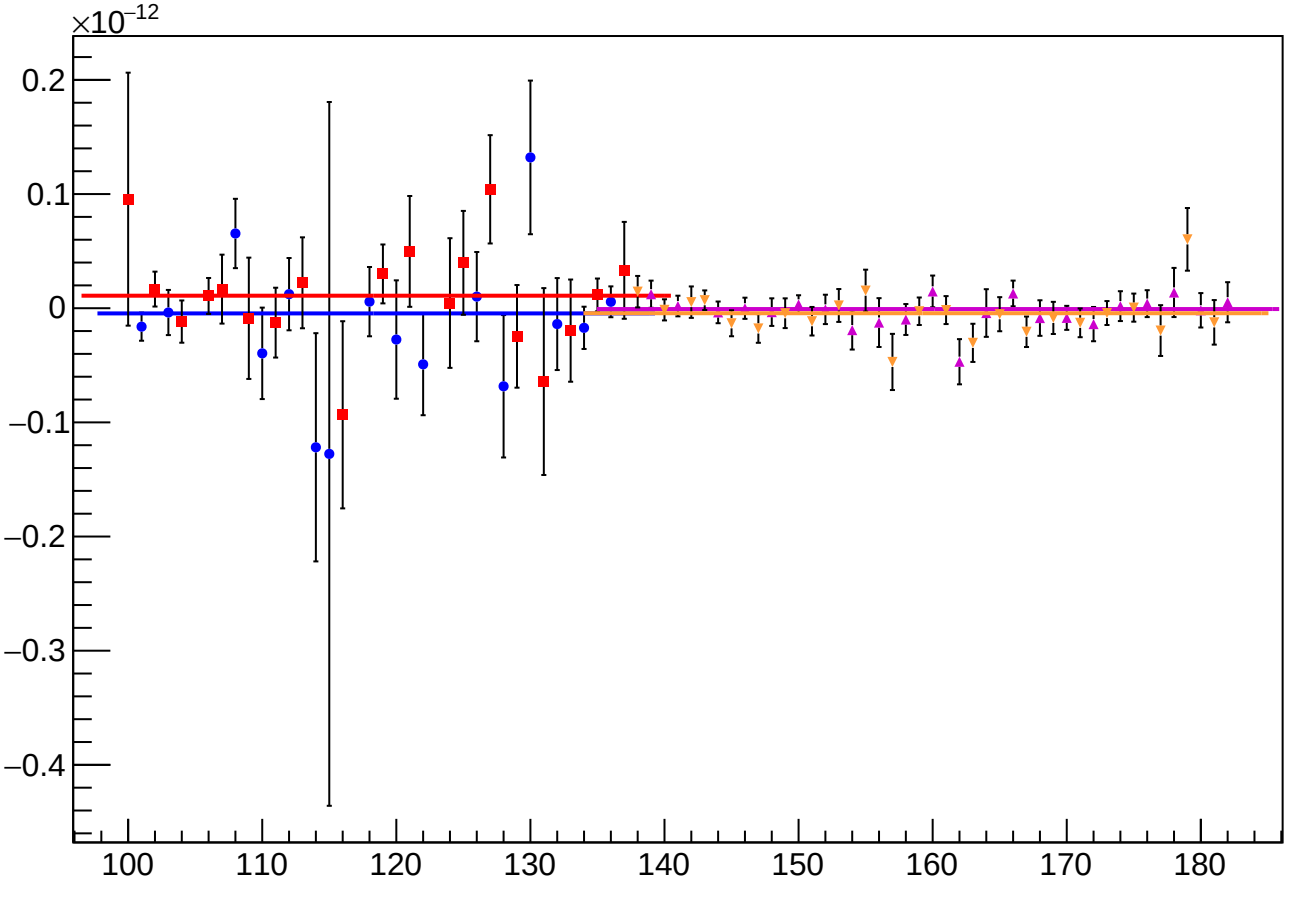
Left: 364.050+/-0.043 χ^2/NDF: 1154920.4/44

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 356.244+/-0.051 χ^2/NDF:2189142.6/37

Out: 350.793+/-0.050 χ^2/NDF:2448450.2/41

All: 353.456+/-0.036 χ^2/NDF: 4643342.3/79



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/21

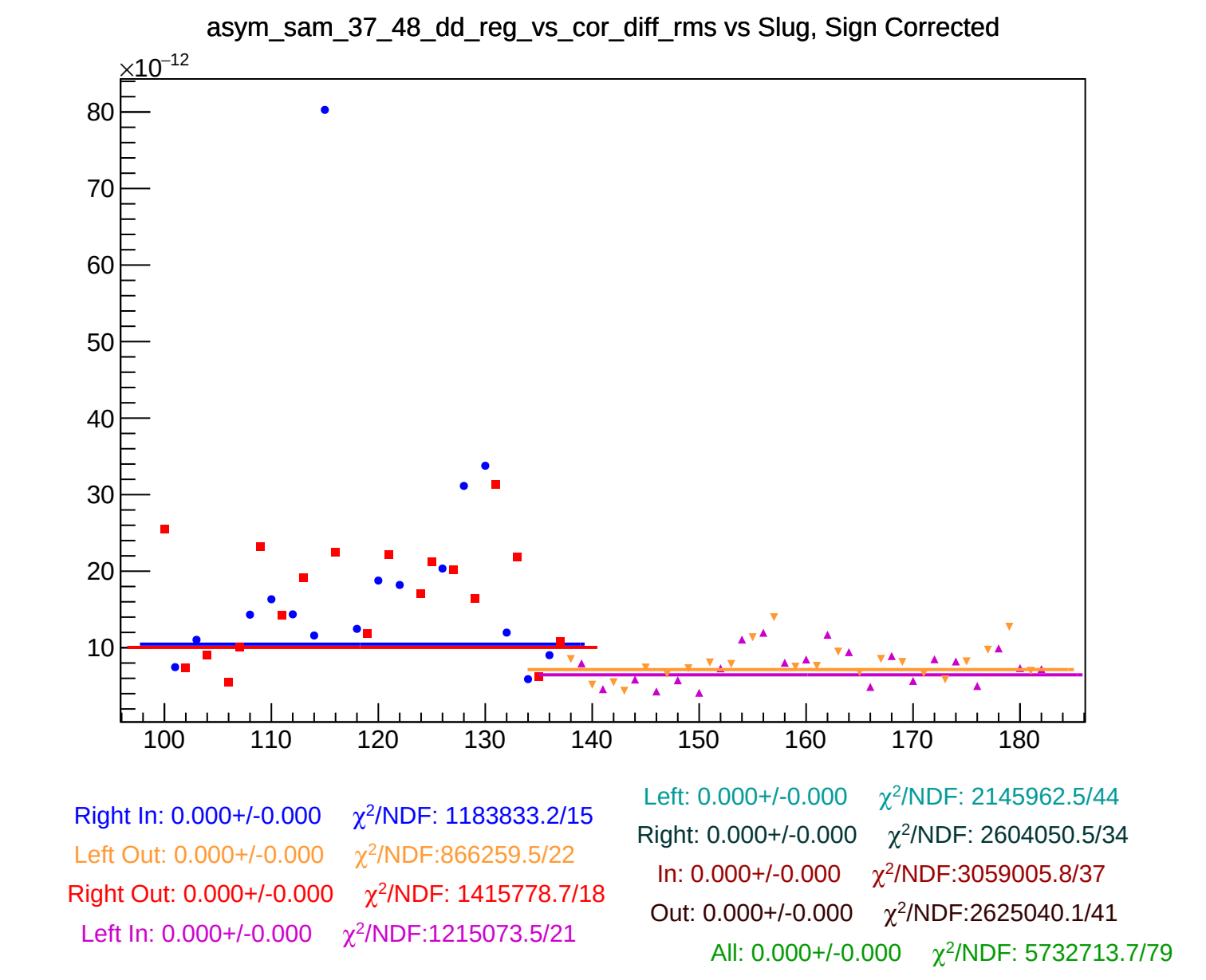
Left: -0.000+/-0.000 χ^2/NDF: 36.6/44

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:30.9/37

Out: -0.000+/-0.000 χ^2/NDF:38.7/41

All: -0.000+/-0.000 χ^2/NDF: 69.7/79


asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
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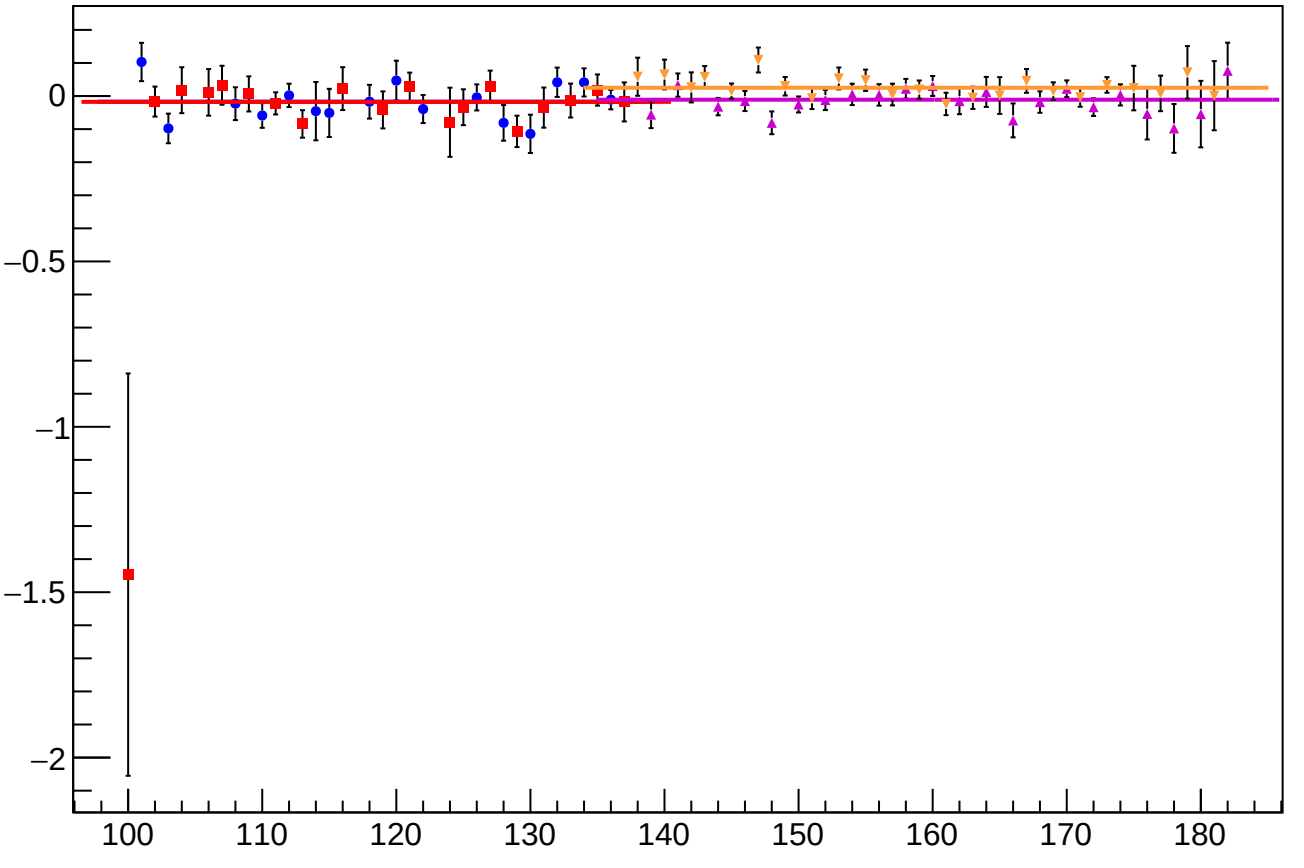
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1183833.2/15
Left Out: 0.000+/-0.000 χ²/NDF:866259.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 1415778.7/18
Left In: 0.000+/-0.000 χ²/NDF:1215073.5/21
Left: 0.000+/-0.000 χ²/NDF: 2145962.5/44
Right: 0.000+/-0.000 χ²/NDF: 2604050.5/34
In: 0.000+/-0.000 χ²/NDF:3059005.8/37
Out: 0.000+/-0.000 χ²/NDF:2625040.1/41
All: 0.000+/-0.000 χ²/NDF: 5732713.7/79



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/22

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:18.9/21

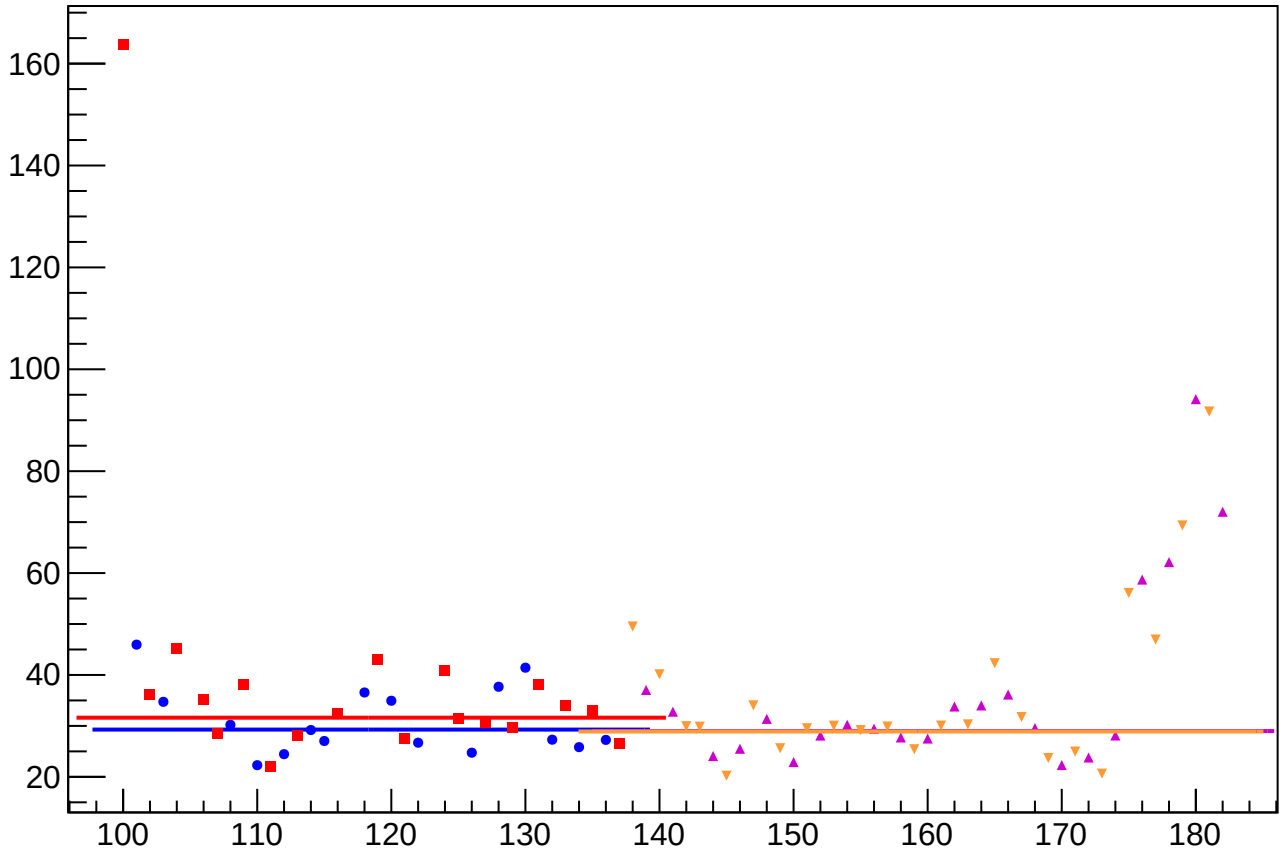
Left: 0.007+/-0.005 χ^2/NDF: 46.3/44

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:37.9/37

Out: 0.014+/-0.006 χ^2/NDF:41.0/41

All: 0.000+/-0.004 χ^2/NDF: 88.3/79



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.910+/-0.005 χ^2/NDF:3062879.3/22

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.991+/-0.005 χ^2/NDF:2707905.0/21

Left: 28.950+/-0.004 χ^2/NDF: 5770909.4/44

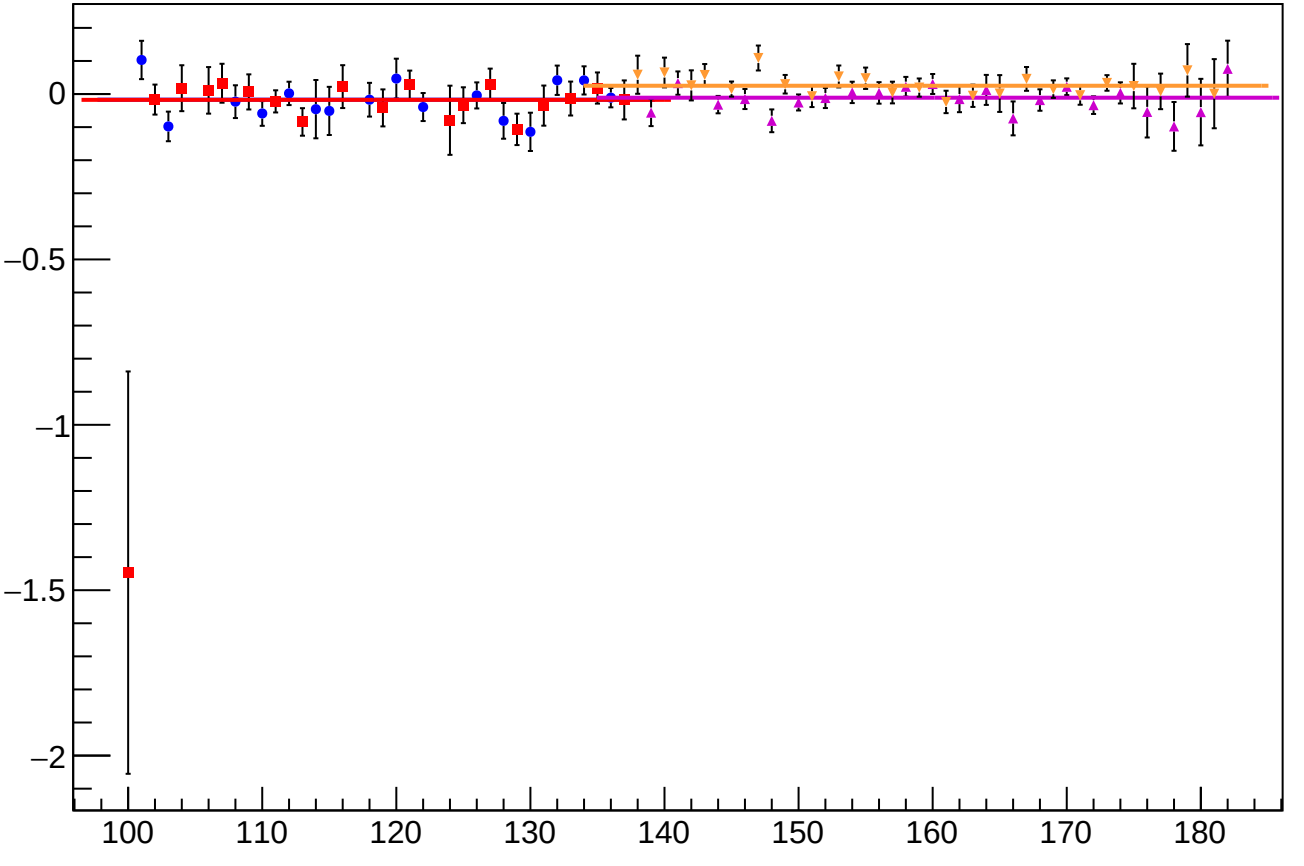
Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.076+/-0.004 χ^2/NDF:3269464.9/37

Out: 29.618+/-0.004 χ^2/NDF:3708743.1/41

All: 29.345+/-0.003 χ^2/NDF: 6985943.4/79

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/22

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:18.9/21

Left: 0.007+/-0.005 χ^2/NDF: 46.3/44

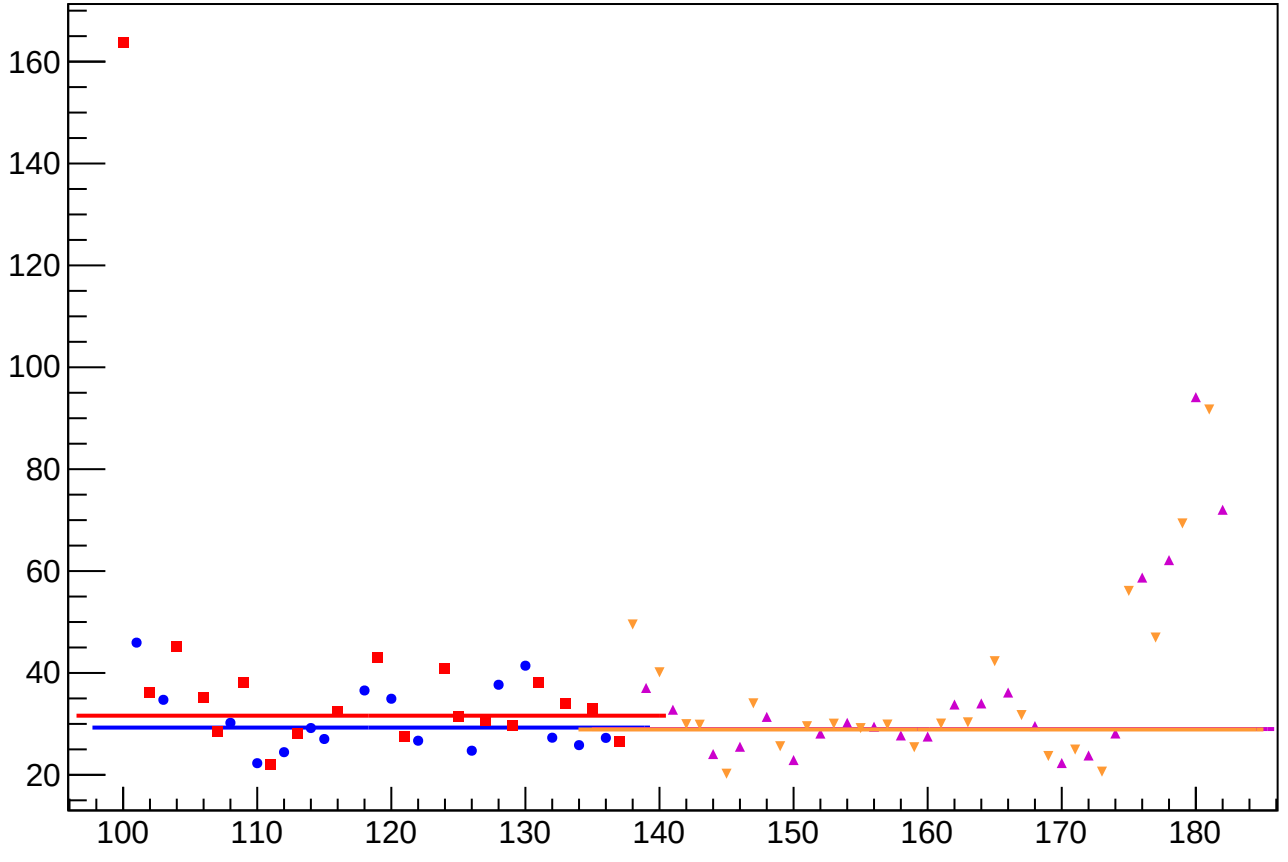
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:37.9/37

Out: 0.014+/-0.006 χ^2/NDF:41.0/41

All: 0.000+/-0.004 χ^2/NDF: 88.3/79

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: 28.910+/-0.005 χ^2/NDF:3062879.3/22

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.991+/-0.005 χ^2/NDF:2707905.0/21

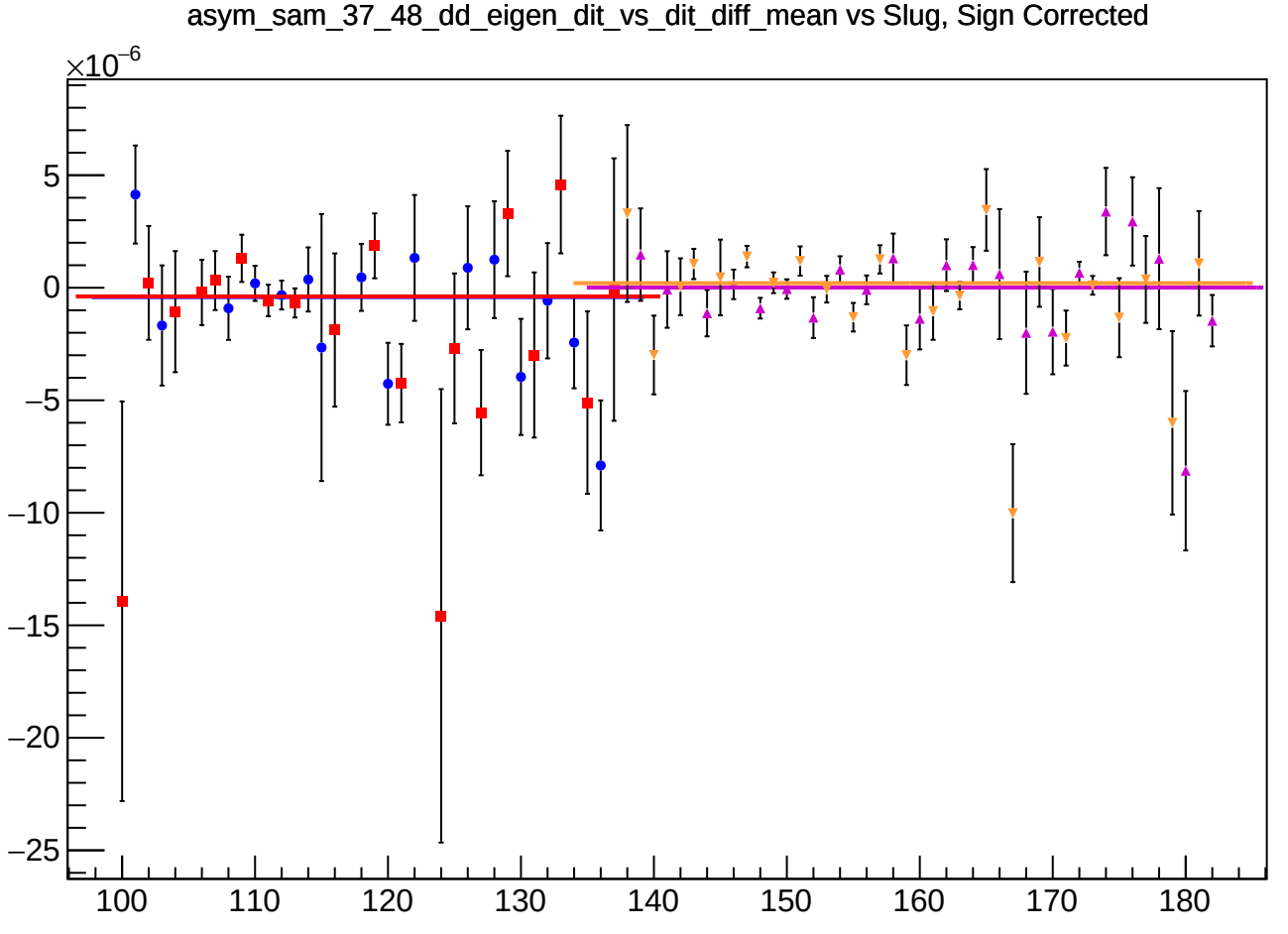
Left: 28.950+/-0.004 χ^2/NDF: 5770909.4/44

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.076+/-0.004 χ^2/NDF:3269464.9/37

Out: 29.618+/-0.004 χ^2/NDF:3708743.1/41

All: 29.345+/-0.003 χ^2/NDF: 6985943.4/79



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.2/22

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:30.4/21

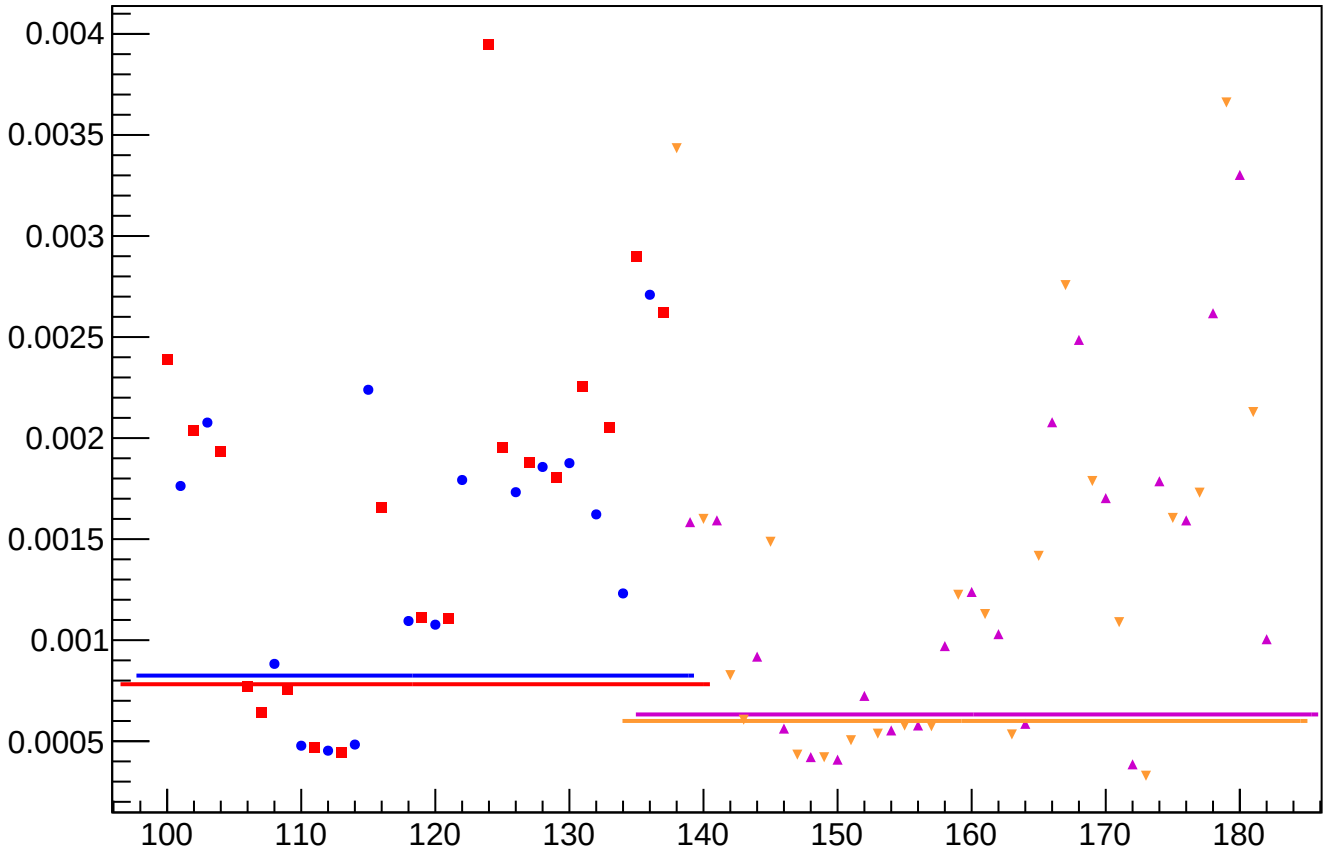
Left: 0.000+/-0.000 χ^2/NDF: 83.3/44

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:52.7/37

Out: 0.000+/-0.000 χ^2/NDF:79.8/41

All: 0.000+/-0.000 χ^2/NDF: 133.1/79



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:10369207.1/22

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9020263.0/21

Left: 0.001+/-0.000 χ^2/NDF: 19423114.2/44

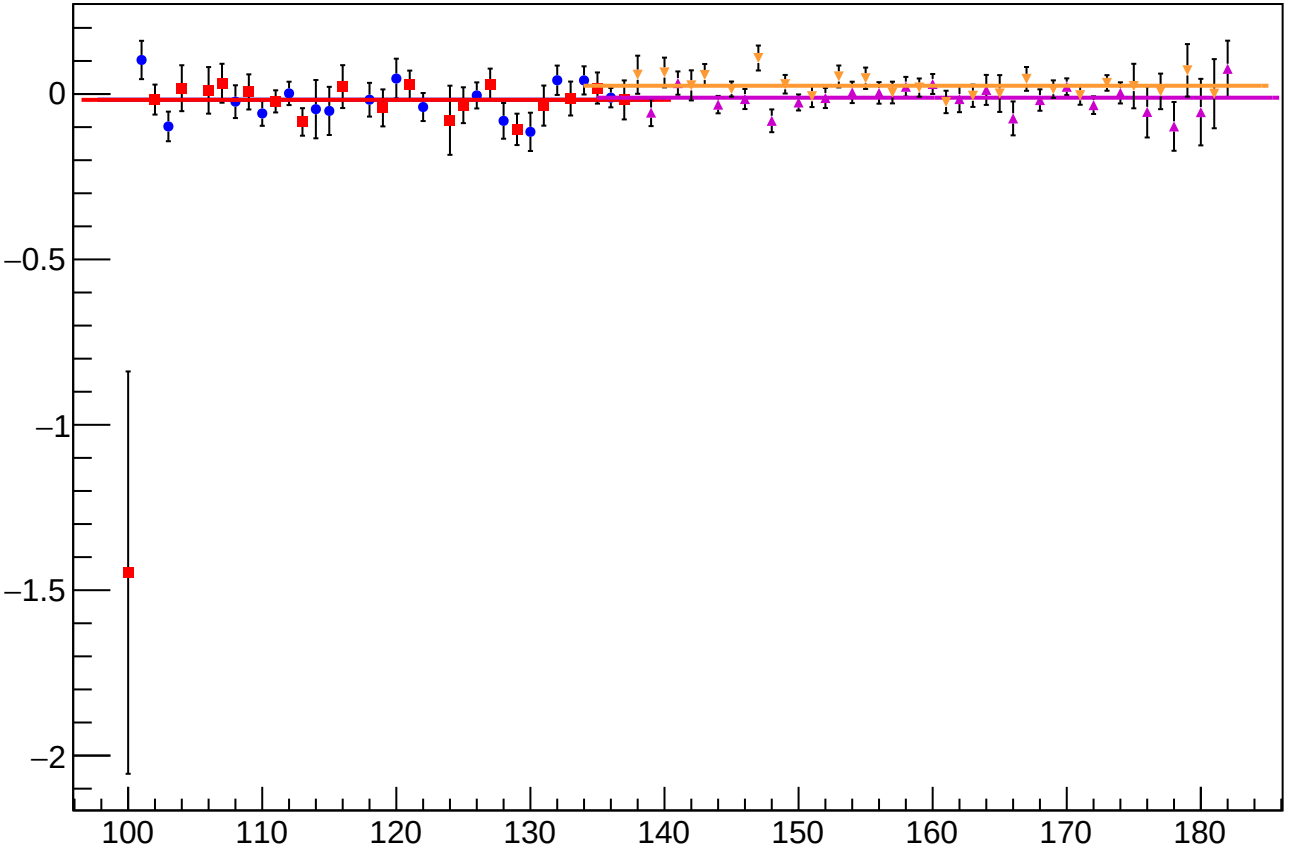
Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:13903349.6/37

Out: 0.001+/-0.000 χ^2/NDF:15447357.8/41

All: 0.001+/-0.000 χ^2/NDF: 29398947.5/79

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/22

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:18.9/21

Left: 0.007+/-0.005 χ^2/NDF: 46.3/44

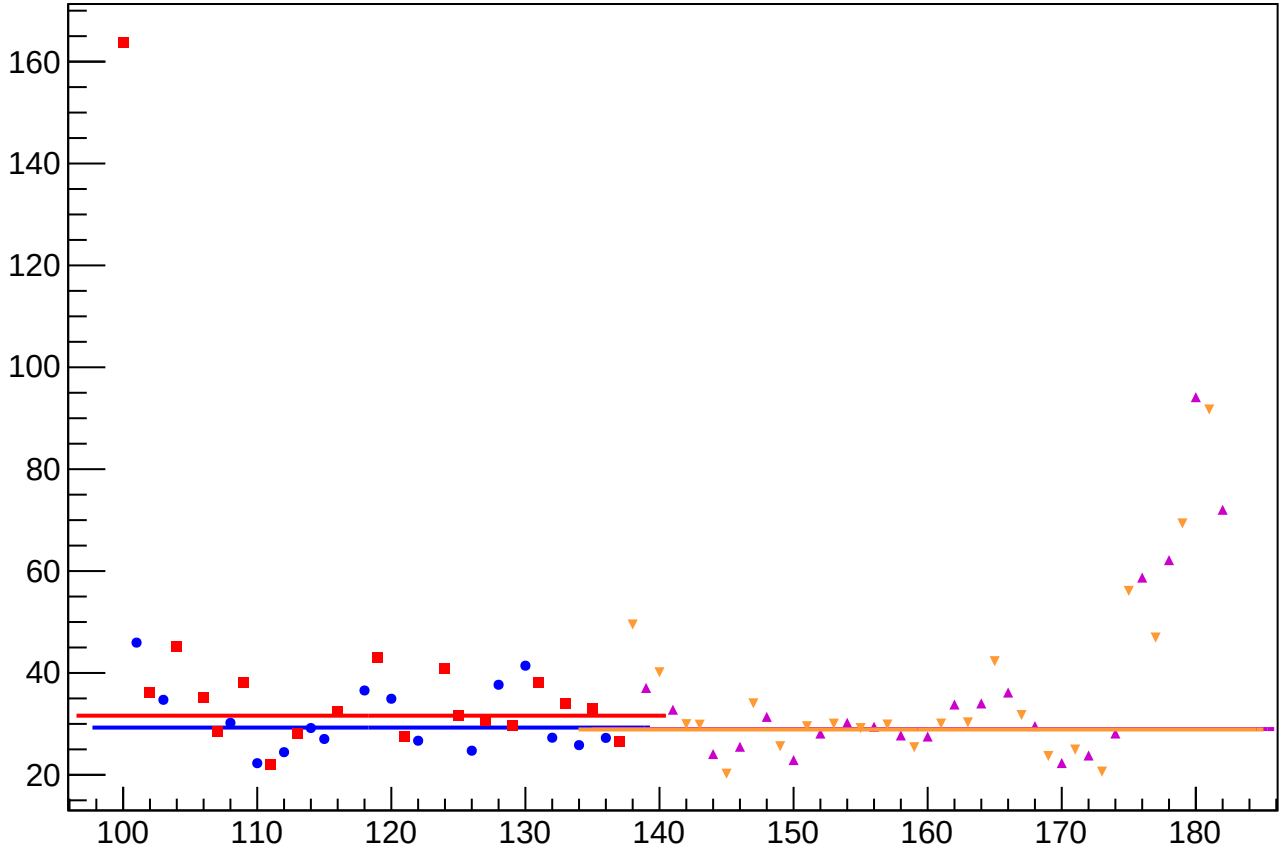
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:37.9/37

Out: 0.014+/-0.006 χ^2/NDF:41.0/41

All: 0.000+/-0.004 χ^2/NDF: 88.3/79

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: 28.910+/-0.005 χ^2/NDF:3062937.8/22

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.991+/-0.005 χ^2/NDF:2707865.0/21

Left: 28.950+/-0.004 χ^2/NDF: 5770928.1/44

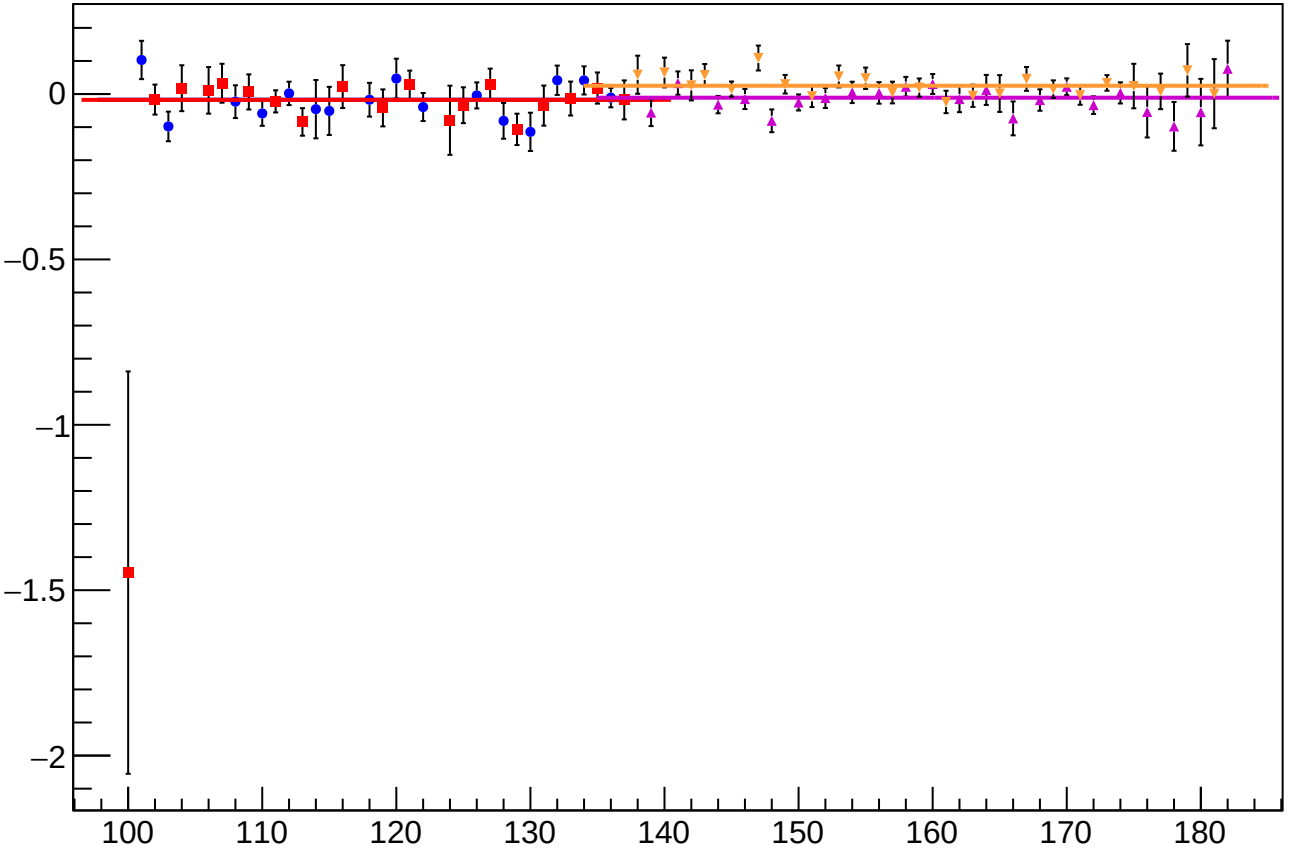
Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 29.075+/-0.004 χ^2/NDF:3269426.0/37

Out: 29.618+/-0.004 χ^2/NDF:3708824.1/41

All: 29.345+/-0.003 χ^2/NDF: 6985985.1/79

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/22

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:18.9/21

Left: 0.007+/-0.005 χ^2/NDF: 46.3/44

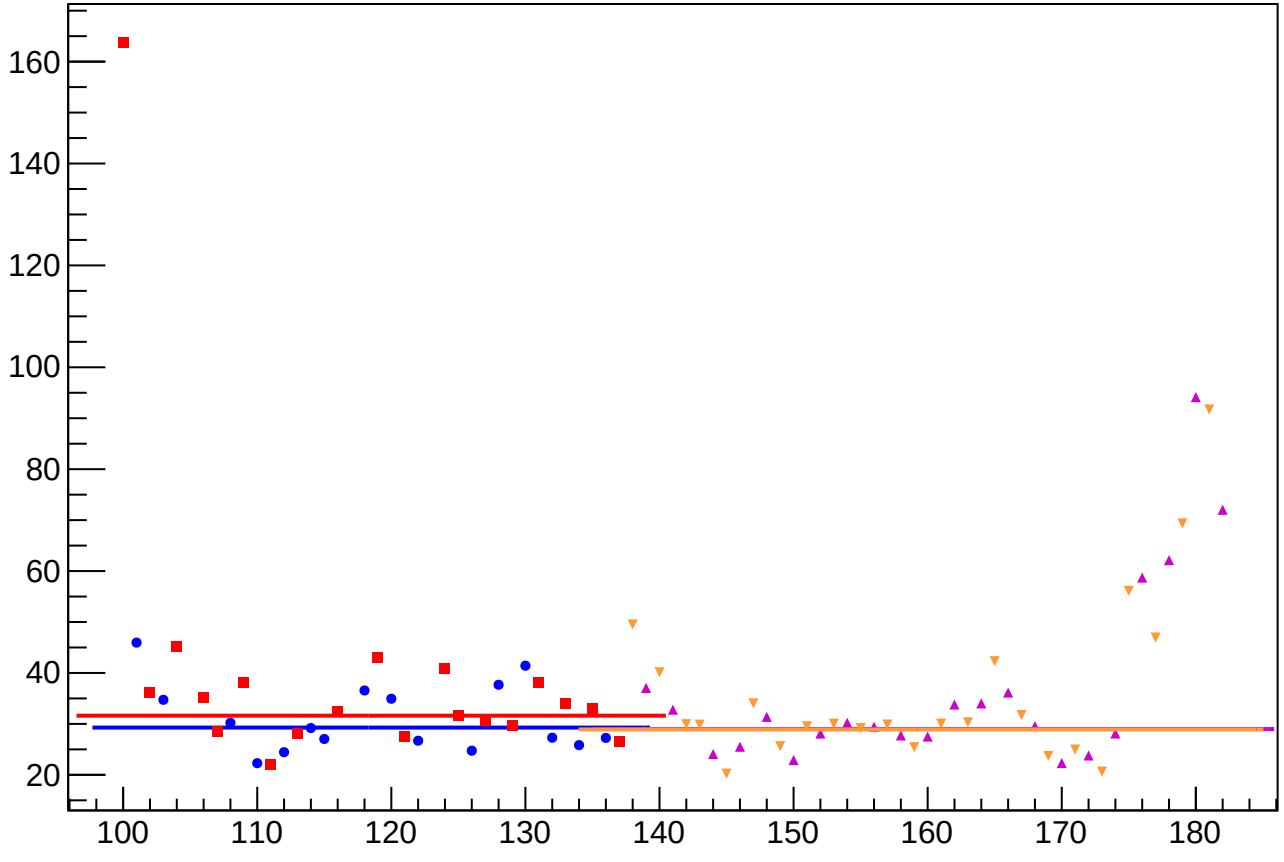
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:37.9/37

Out: 0.014+/-0.006 χ^2/NDF:41.0/41

All: 0.000+/-0.004 χ^2/NDF: 88.3/79

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: 28.910+/-0.005 χ^2/NDF:3062937.8/22

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.991+/-0.005 χ^2/NDF:2707865.0/21

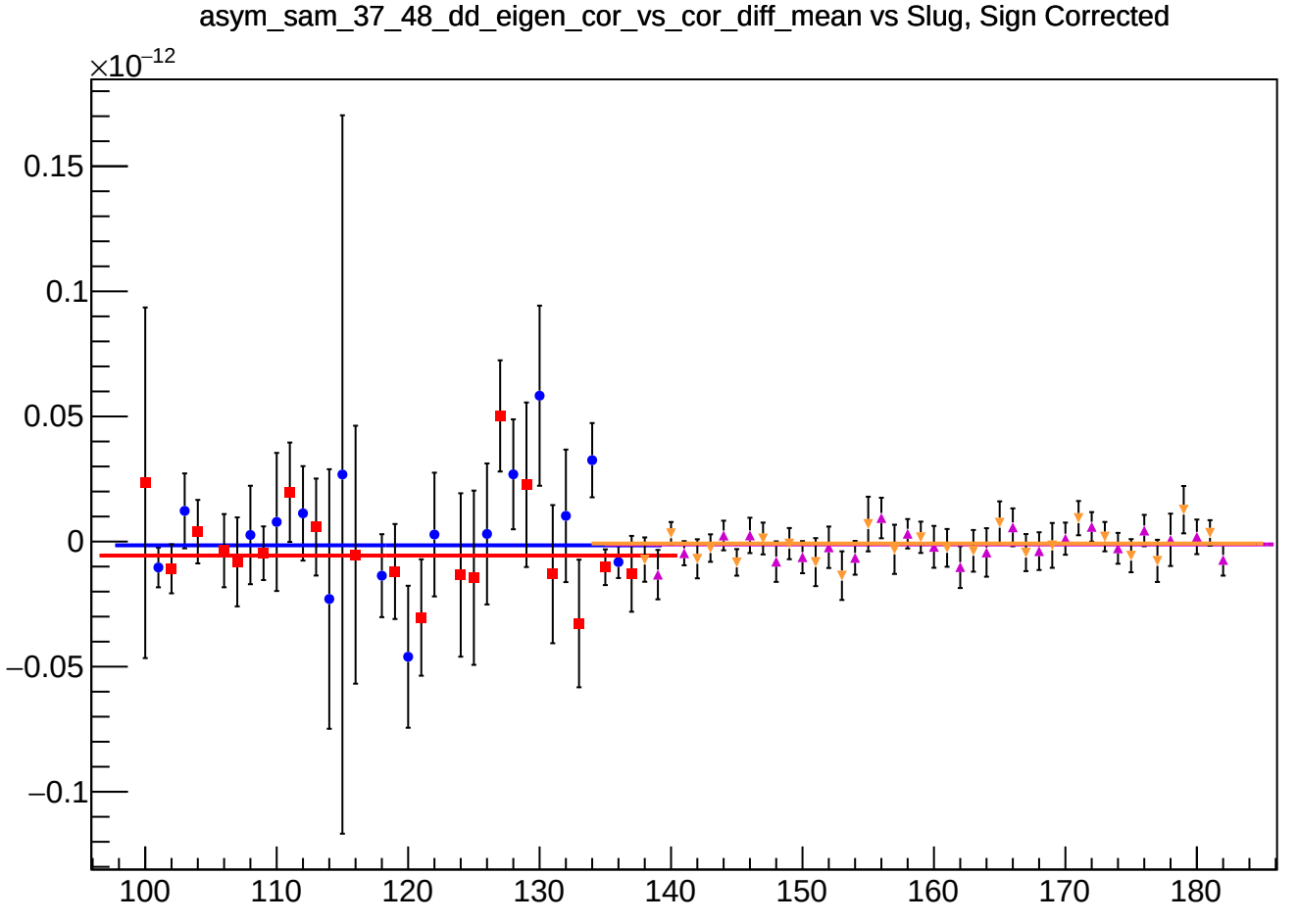
Left: 28.950+/-0.004 χ^2/NDF: 5770928.1/44

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 29.075+/-0.004 χ^2/NDF:3269426.0/37

Out: 29.618+/-0.004 χ^2/NDF:3708824.1/41

All: 29.345+/-0.003 χ^2/NDF: 6985985.1/79



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/22

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.7/21

Left: -0.000+/-0.000 χ^2/NDF: 27.7/44

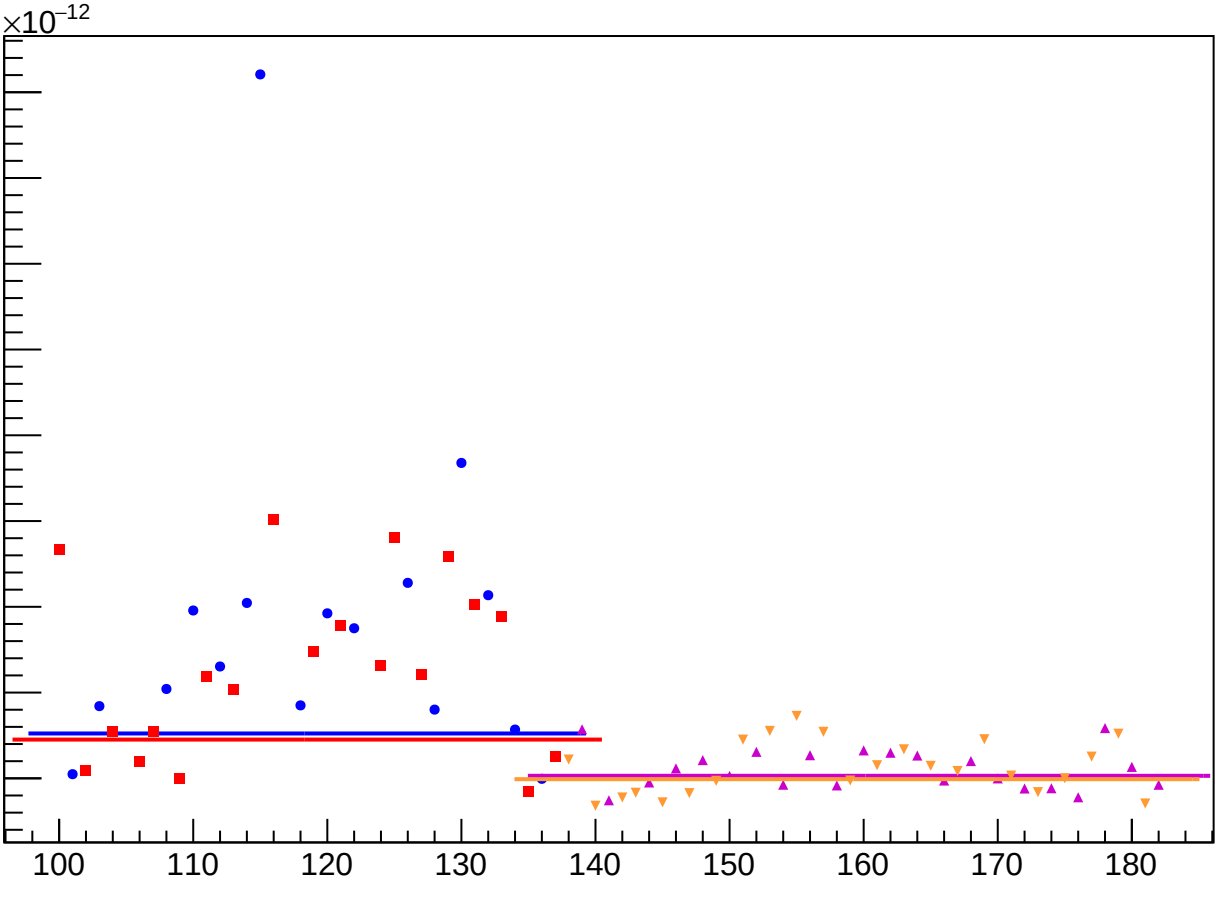
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:29.6/37

Out: -0.000+/-0.000 χ^2/NDF:29.8/41

All: -0.000+/-0.000 χ^2/NDF: 59.5/79

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1848465.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:976774.3/21

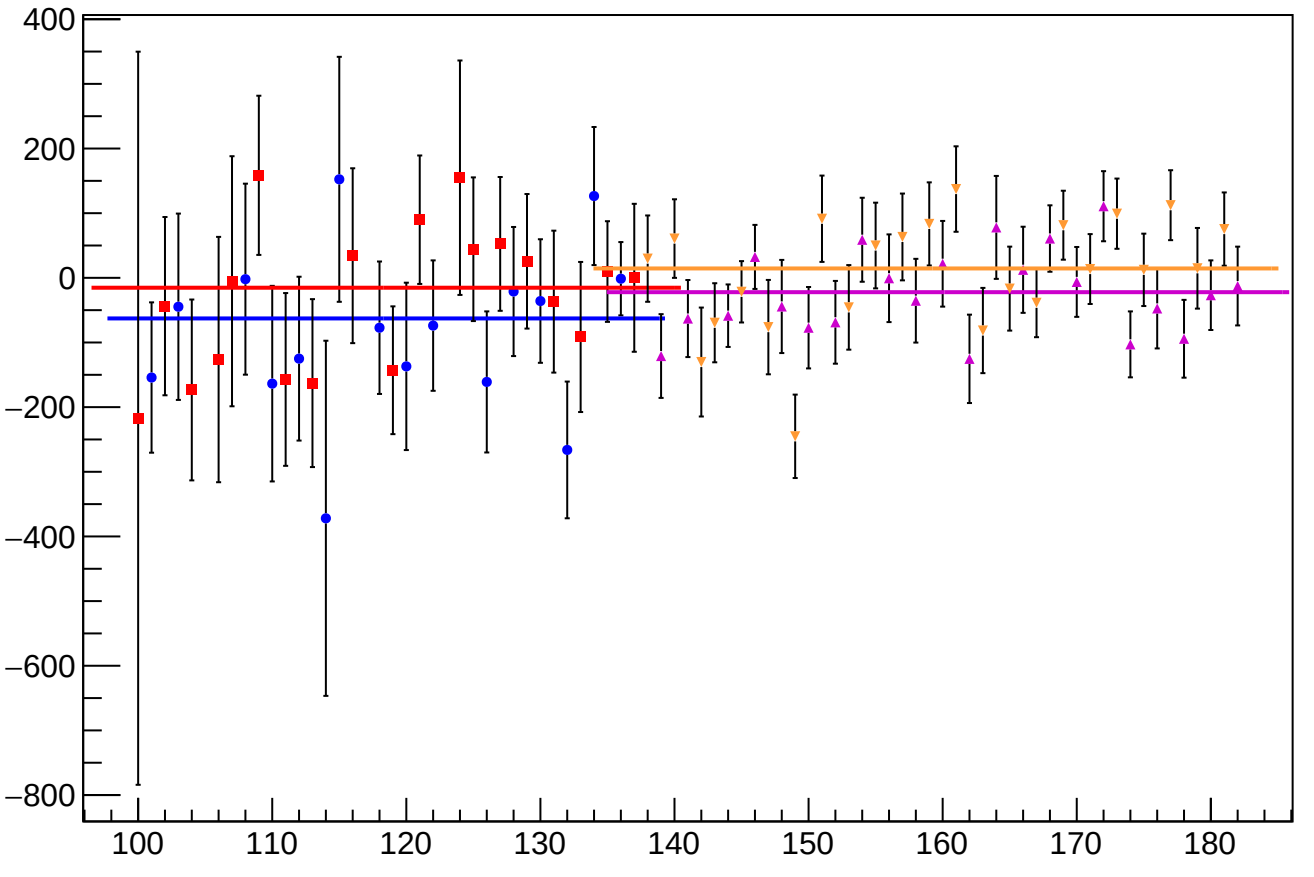
Left: 0.000+/-0.000 χ^2/NDF: 2843086.6/44

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3723257.6/37

Out: 0.000+/-0.000 χ^2/NDF:4537627.7/41

All: 0.000+/-0.000 χ^2/NDF: 8283229.0/79



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 14.509+/-12.662 χ^2/NDF:43.2/22

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -22.183+/-12.741 χ^2/NDF:25.1/21

Left: -3.724+/-8.981 χ^2/NDF: 72.4/44

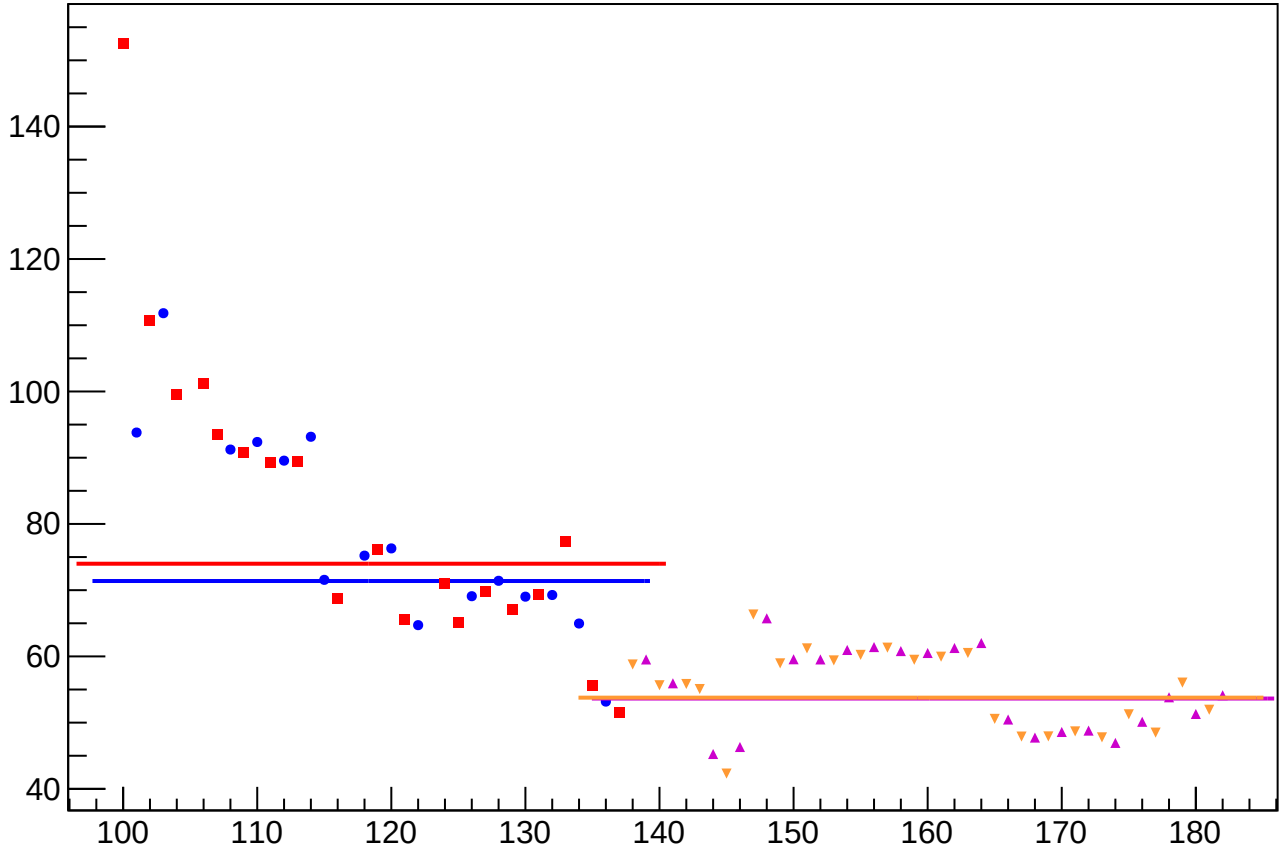
Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -29.485+/-11.539 χ^2/NDF:40.4/37

Out: 9.380+/-11.521 χ^2/NDF:55.6/41

All: -10.023+/-8.153 χ^2/NDF: 101.7/79

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 53.771+/-0.009 χ^2/NDF:465540.6/22

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 53.637+/-0.009 χ^2/NDF:468519.1/21

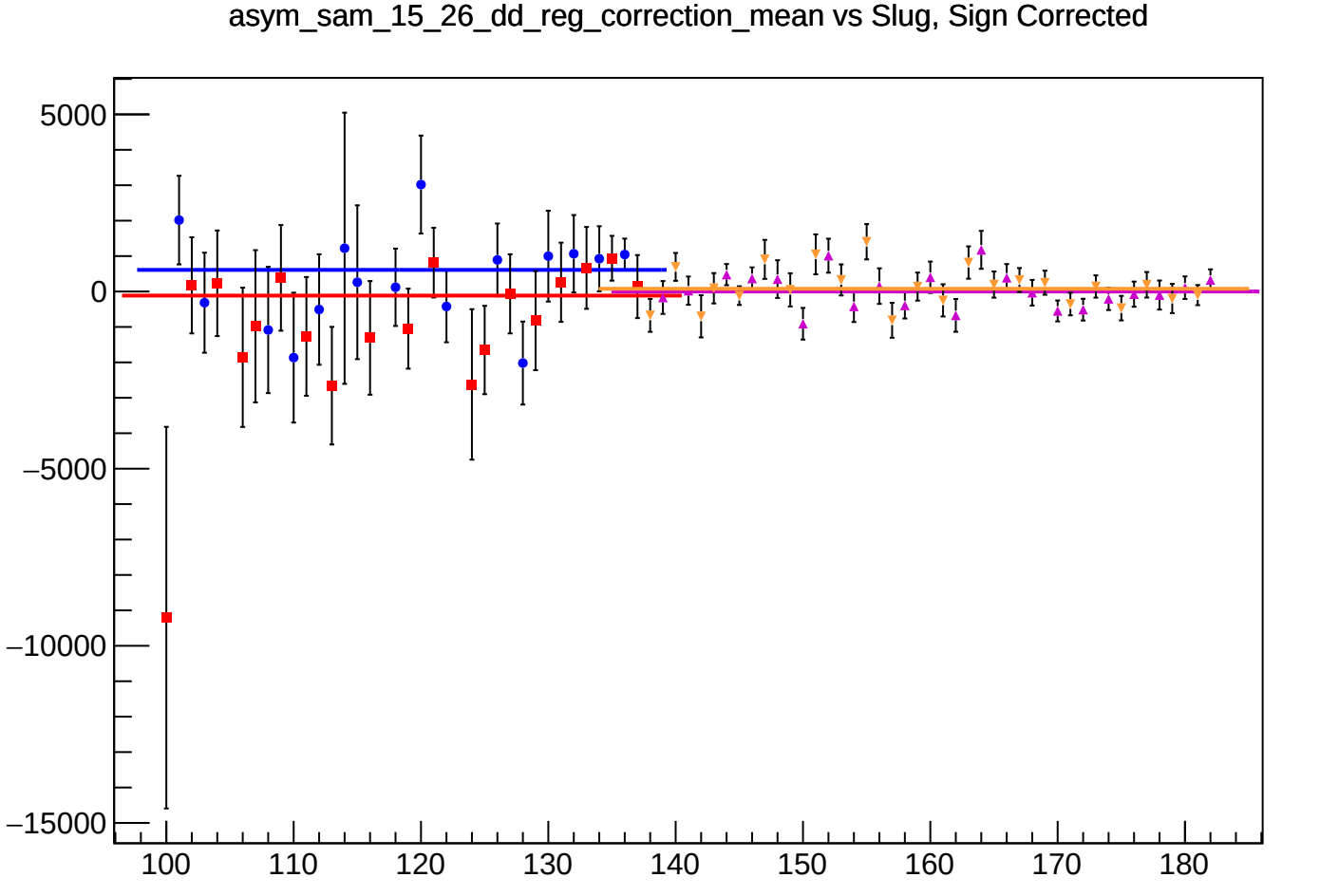
Left: 53.705+/-0.006 χ^2/NDF: 934170.7/44

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 56.828+/-0.008 χ^2/NDF:1757012.5/37

Out: 57.252+/-0.008 χ^2/NDF:1982026.2/41

All: 57.040+/-0.006 χ^2/NDF: 3740391.7/79



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 77.626+/-80.810 χ^2/NDF:32.6/22

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 0.545+/-80.097 χ^2/NDF:32.0/21

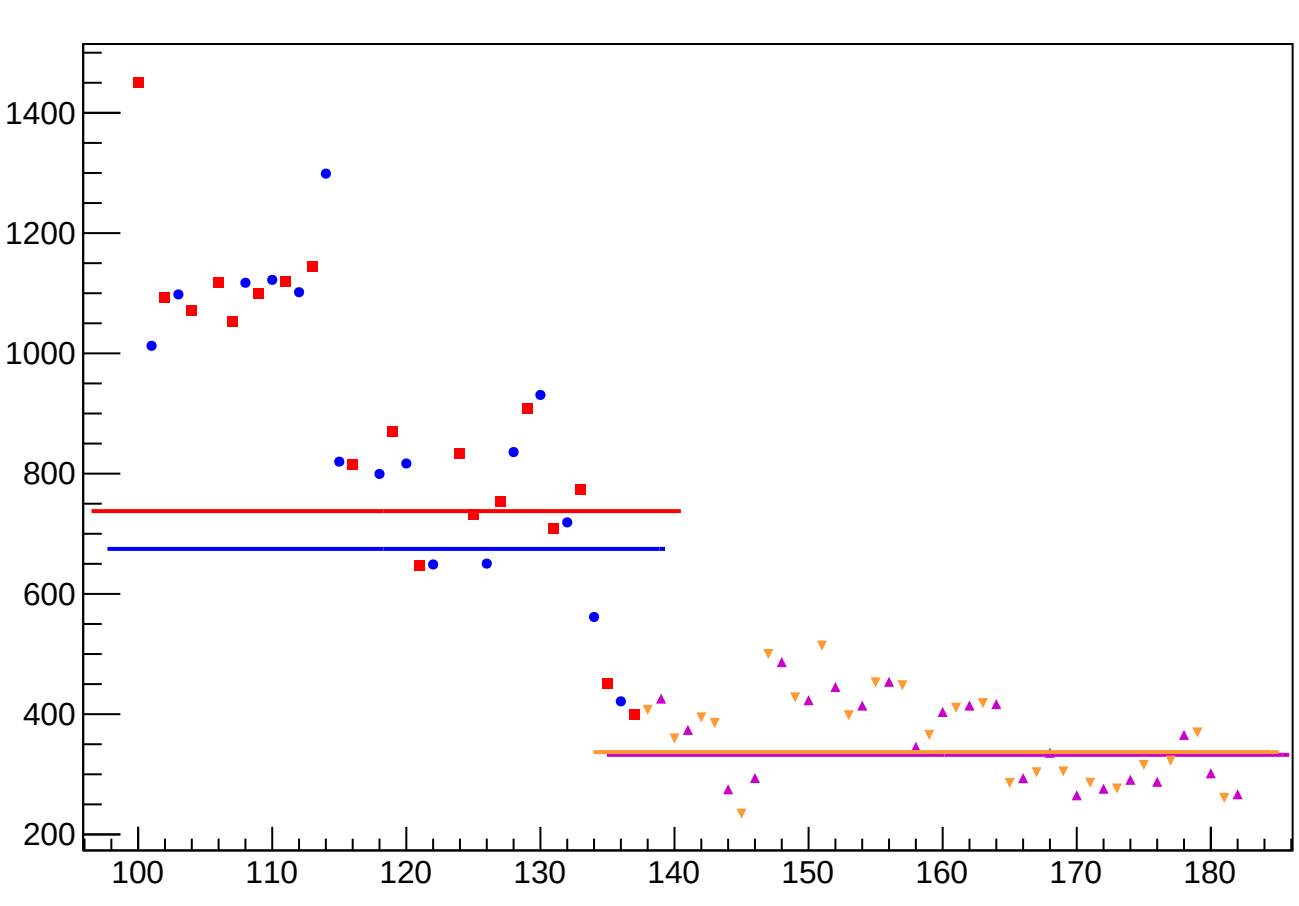
Left: 38.744+/-56.888 χ^2/NDF: 65.0/44

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 50.979+/-76.715 χ^2/NDF:52.5/37

Out: 63.255+/-77.731 χ^2/NDF:48.6/41

All: 57.036+/-54.601 χ^2/NDF: 101.1/79



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 336.943+/-0.057 χ^2/NDF:1589481.7/22

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 332.376+/-0.057 χ^2/NDF:1303164.1/21

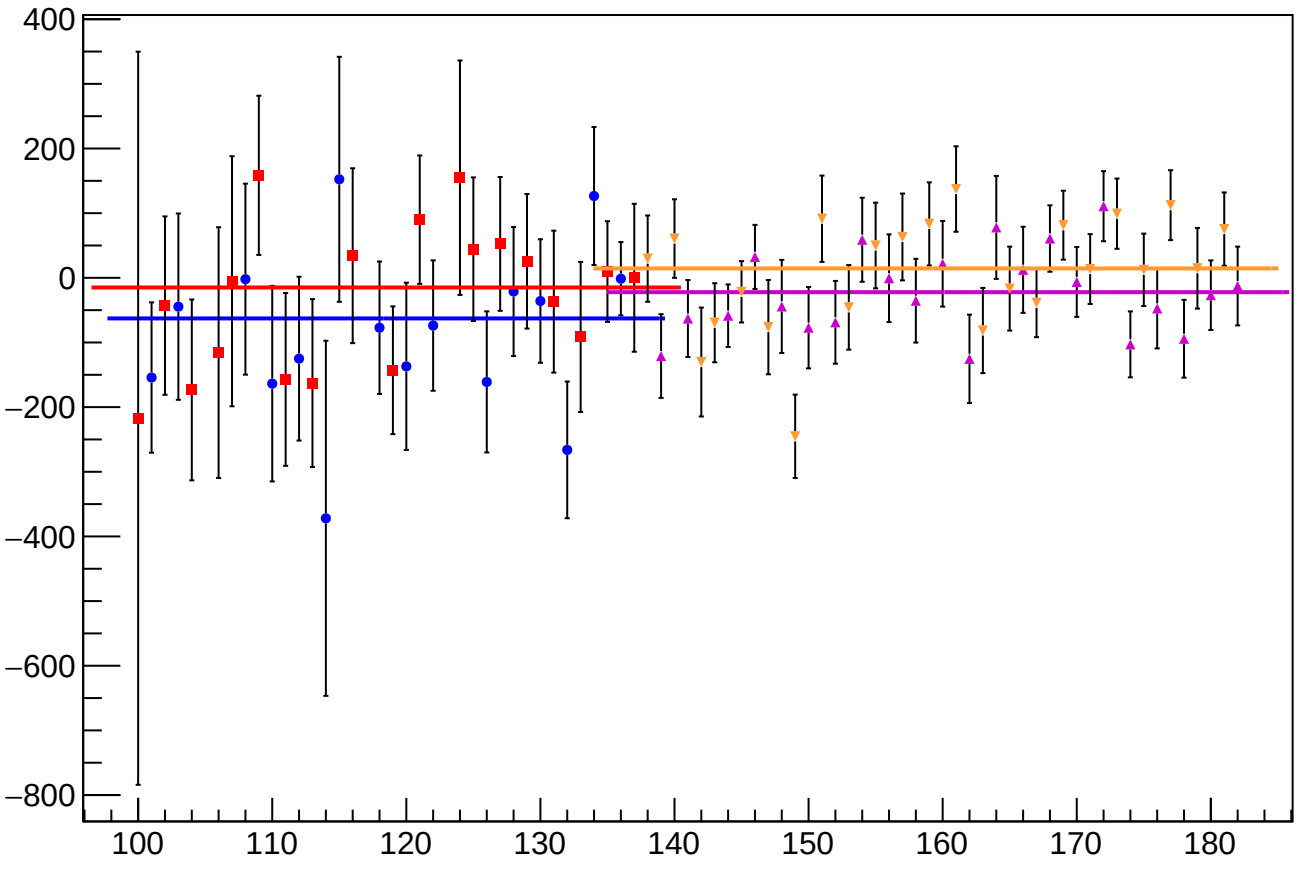
Left: 334.640+/-0.040 χ^2/NDF: 2895868.3/44

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 360.689+/-0.054 χ^2/NDF:5943349.6/37

Out: 366.897+/-0.055 χ^2/NDF:6782483.2/41

All: 363.752+/-0.039 χ^2/NDF: 12732295.9/79



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 14.510+/-12.662 χ^2/NDF:43.2/22

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -22.182+/-12.741 χ^2/NDF:25.1/21

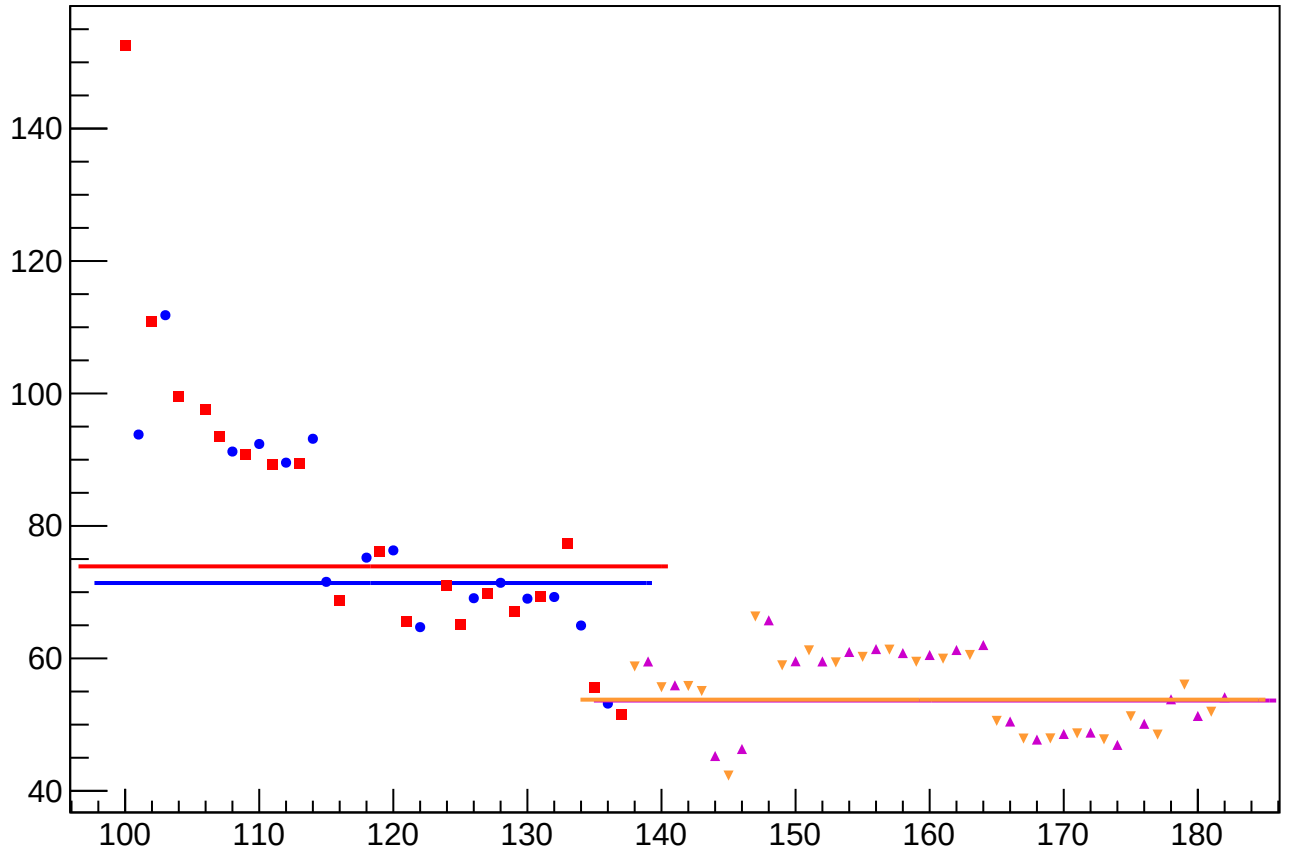
Left: -3.723+/-8.981 χ^2/NDF: 72.4/44

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -29.483+/-11.539 χ^2/NDF:40.4/37

Out: 9.446+/-11.522 χ^2/NDF:55.5/41

All: -9.990+/-8.153 χ^2/NDF: 101.6/79



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.771+/-0.009 χ^2/NDF:465540.6/22

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.637+/-0.009 χ^2/NDF:468519.1/21

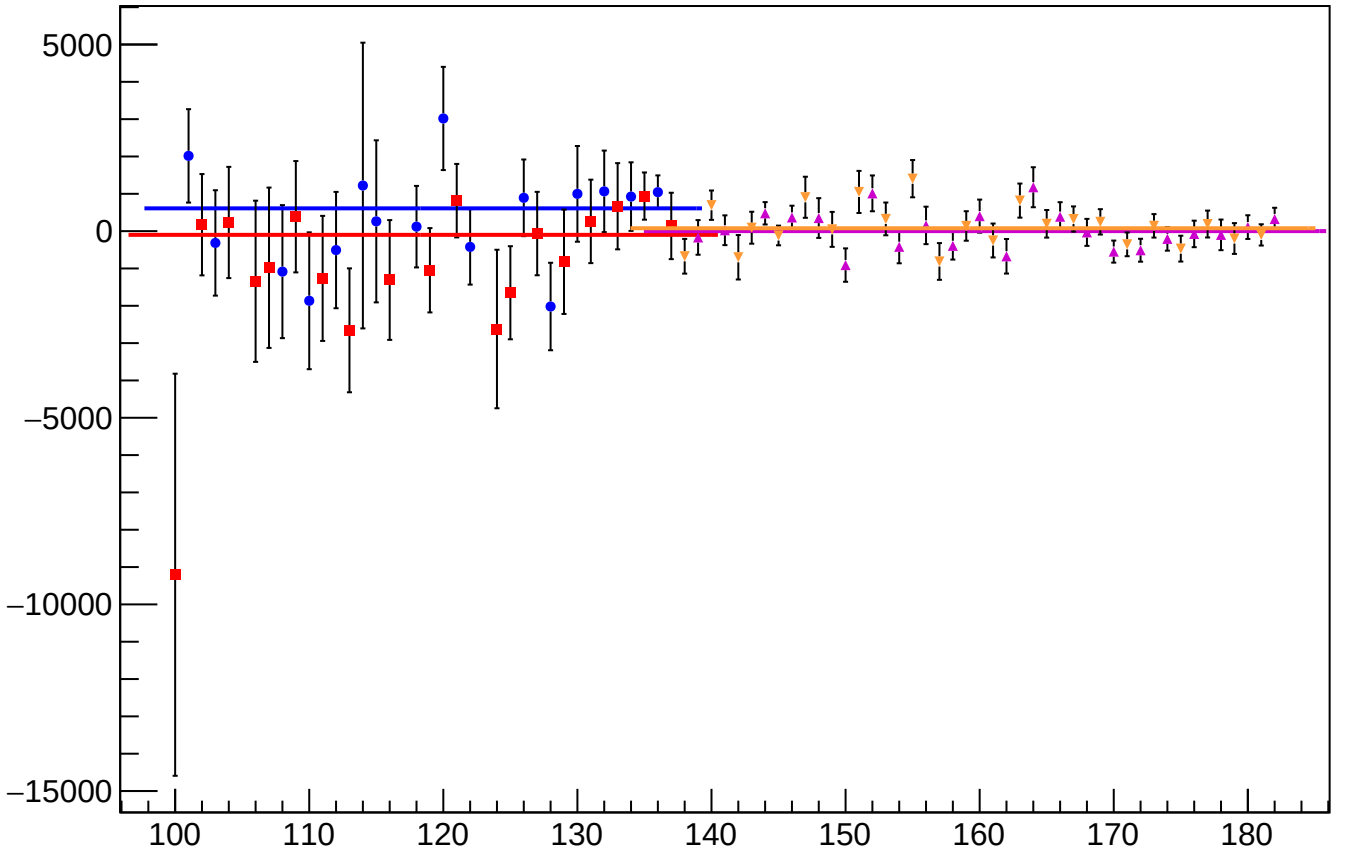
Left: 53.705+/-0.006 χ^2/NDF: 934170.7/44

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 56.828+/-0.008 χ^2/NDF:1757015.1/37

Out: 57.232+/-0.008 χ^2/NDF:1961268.5/41

All: 57.030+/-0.006 χ^2/NDF: 3719512.5/79



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 77.624+/-80.810 χ^2/NDF:32.6/22

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 0.543+/-80.097 χ^2/NDF:32.0/21

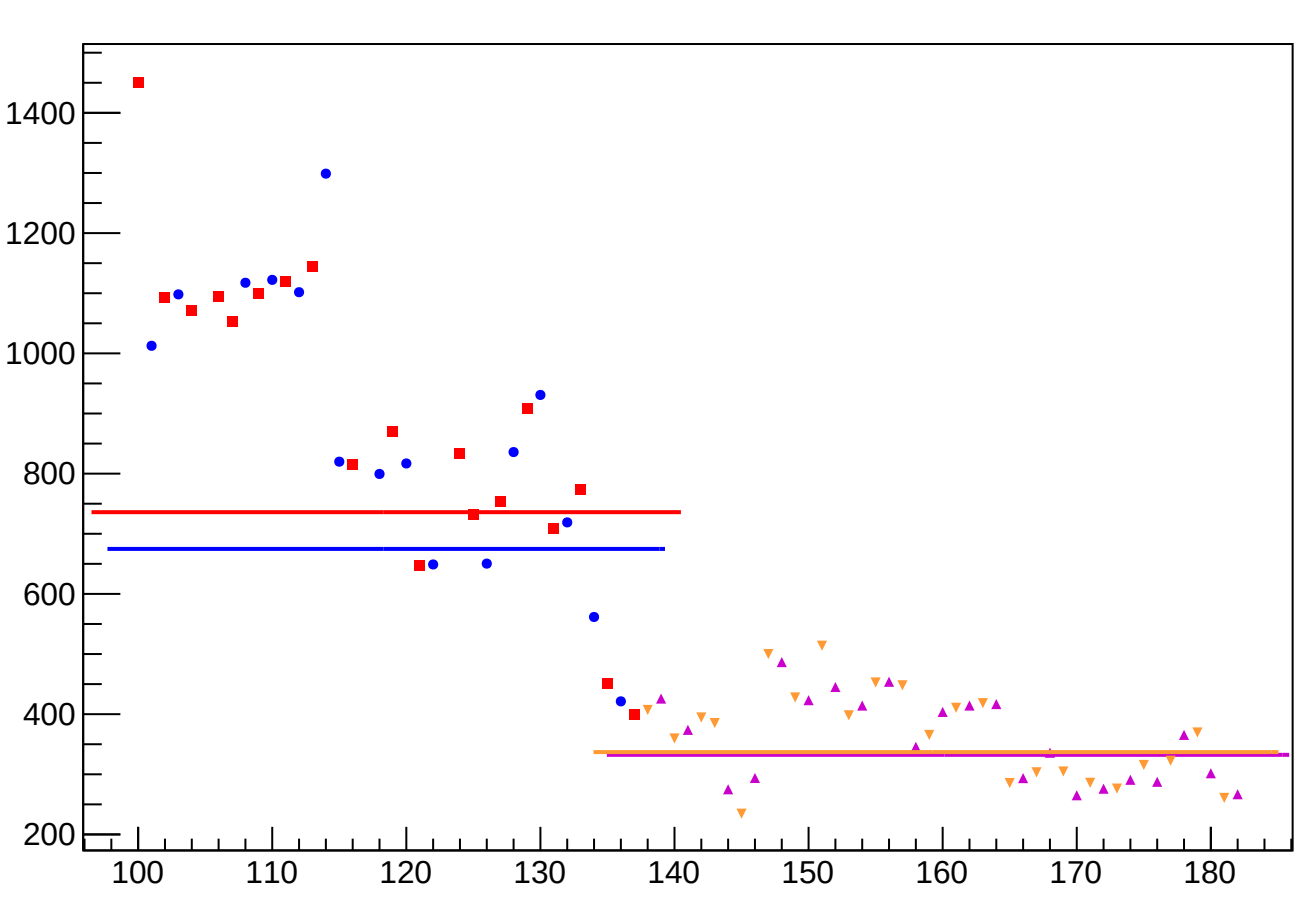
Left: 38.742+/-56.888 χ^2/NDF: 65.0/44

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 50.976+/-76.715 χ^2/NDF:52.5/37

Out: 64.425+/-77.742 χ^2/NDF:48.1/41

All: 57.611+/-54.605 χ^2/NDF: 100.5/79



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 336.943+/-0.057 χ^2/NDF:1589486.4/22

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 332.376+/-0.057 χ^2/NDF:1303172.0/21

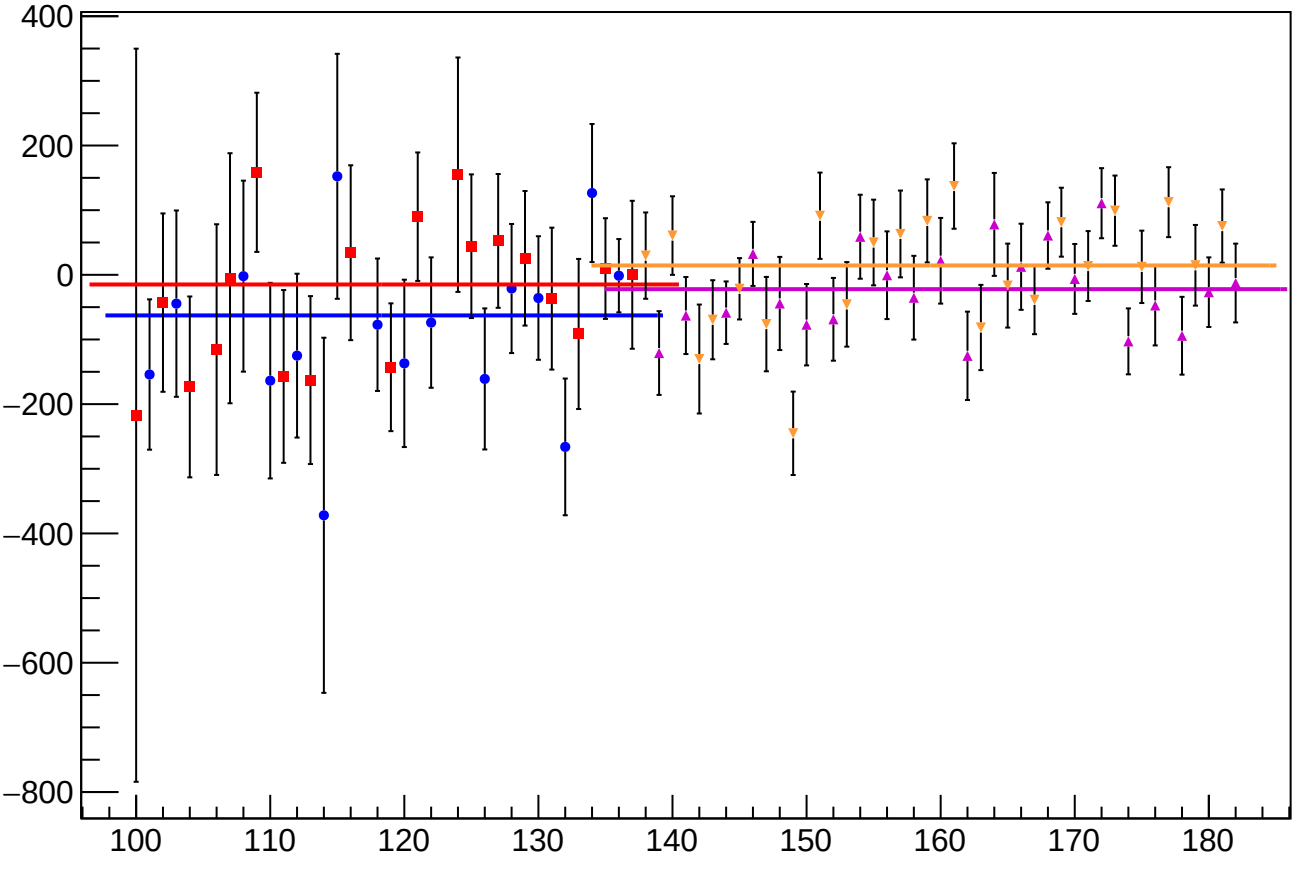
Left: 334.640+/-0.040 χ^2/NDF: 2895880.8/44

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 360.689+/-0.054 χ^2/NDF:5943381.0/37

Out: 366.666+/-0.055 χ^2/NDF:6718308.9/41

All: 363.638+/-0.039 χ^2/NDF: 12667678.8/79



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 14.510+/-12.662 χ^2/NDF:43.2/22

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -22.182+/-12.741 χ^2/NDF:25.1/21

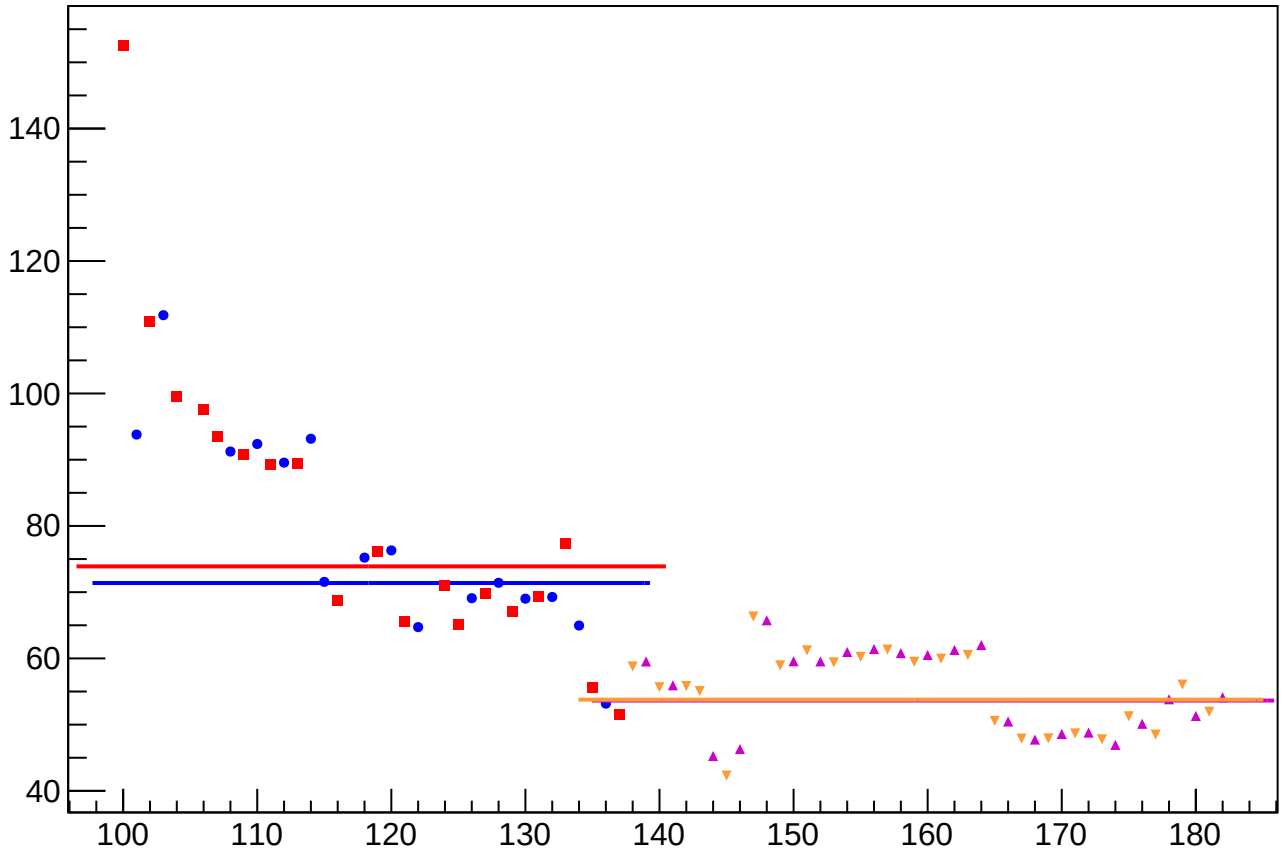
Left: -3.723+/-8.981 χ^2/NDF: 72.4/44

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -29.483+/-11.539 χ^2/NDF:40.4/37

Out: 9.446+/-11.522 χ^2/NDF:55.5/41

All: -9.990+/-8.153 χ^2/NDF: 101.6/79



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.771+/-0.009 χ^2/NDF:465540.6/22

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.637+/-0.009 χ^2/NDF:468519.1/21

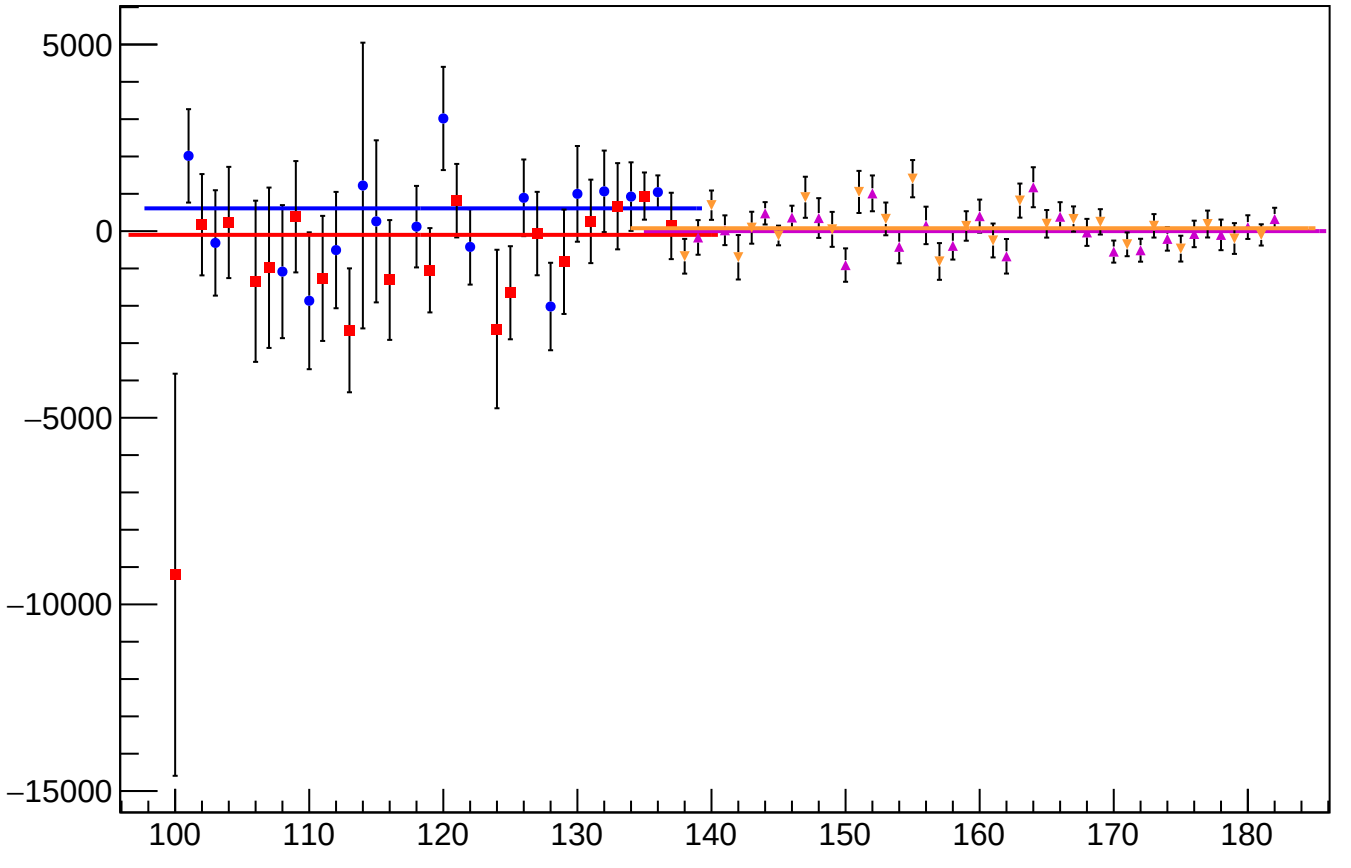
Left: 53.705+/-0.006 χ^2/NDF: 934170.7/44

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 56.828+/-0.008 χ^2/NDF:1757015.1/37

Out: 57.232+/-0.008 χ^2/NDF:1961268.5/41

All: 57.030+/-0.006 χ^2/NDF: 3719512.5/79



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 77.624+/-80.810 χ^2/NDF:32.6/22

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 0.543+/-80.097 χ^2/NDF:32.0/21

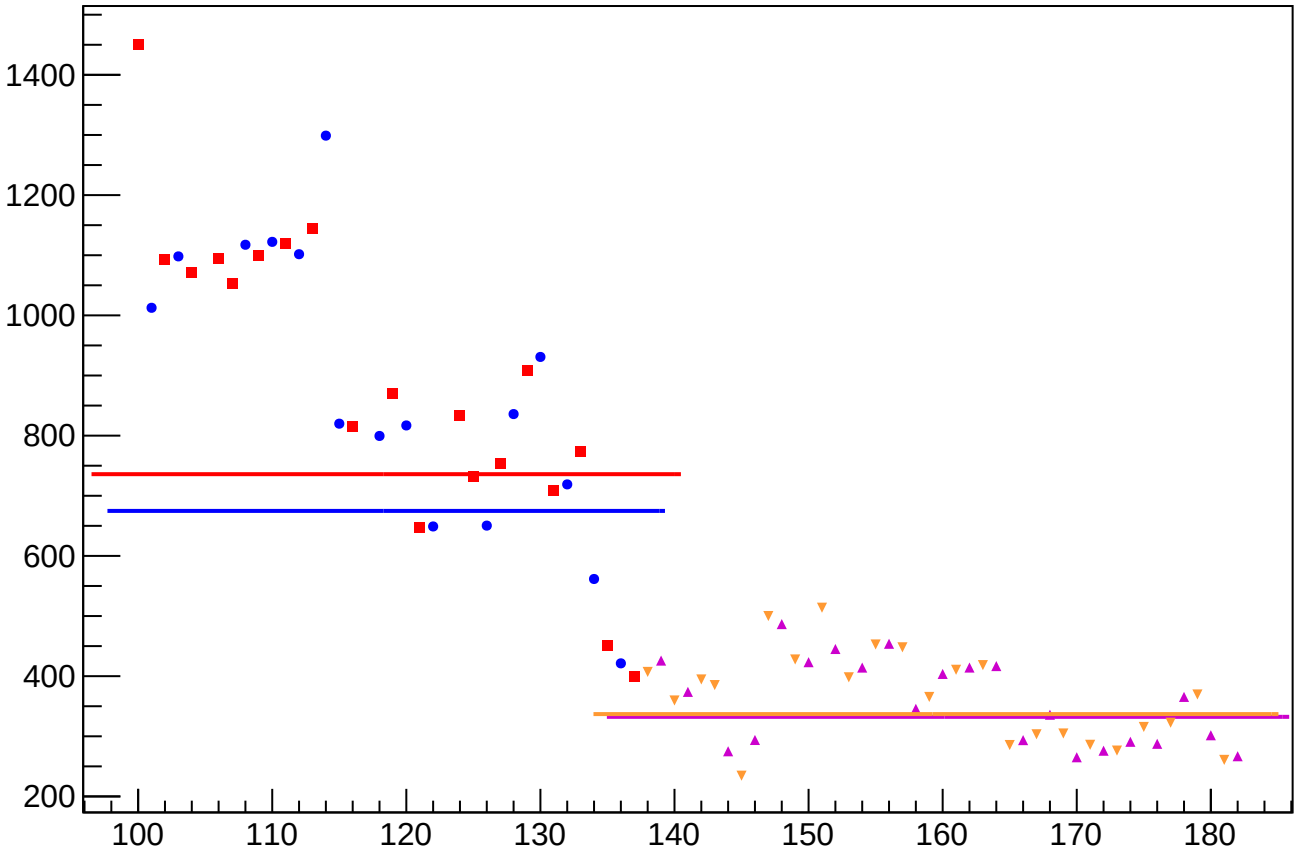
Left: 38.742+/-56.888 χ^2/NDF: 65.0/44

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 50.976+/-76.715 χ^2/NDF:52.5/37

Out: 64.425+/-77.742 χ^2/NDF:48.1/41

All: 57.611+/-54.605 χ^2/NDF: 100.5/79



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 336.943+/-0.057 χ^2/NDF:1589486.4/22

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 332.376+/-0.057 χ^2/NDF:1303172.0/21

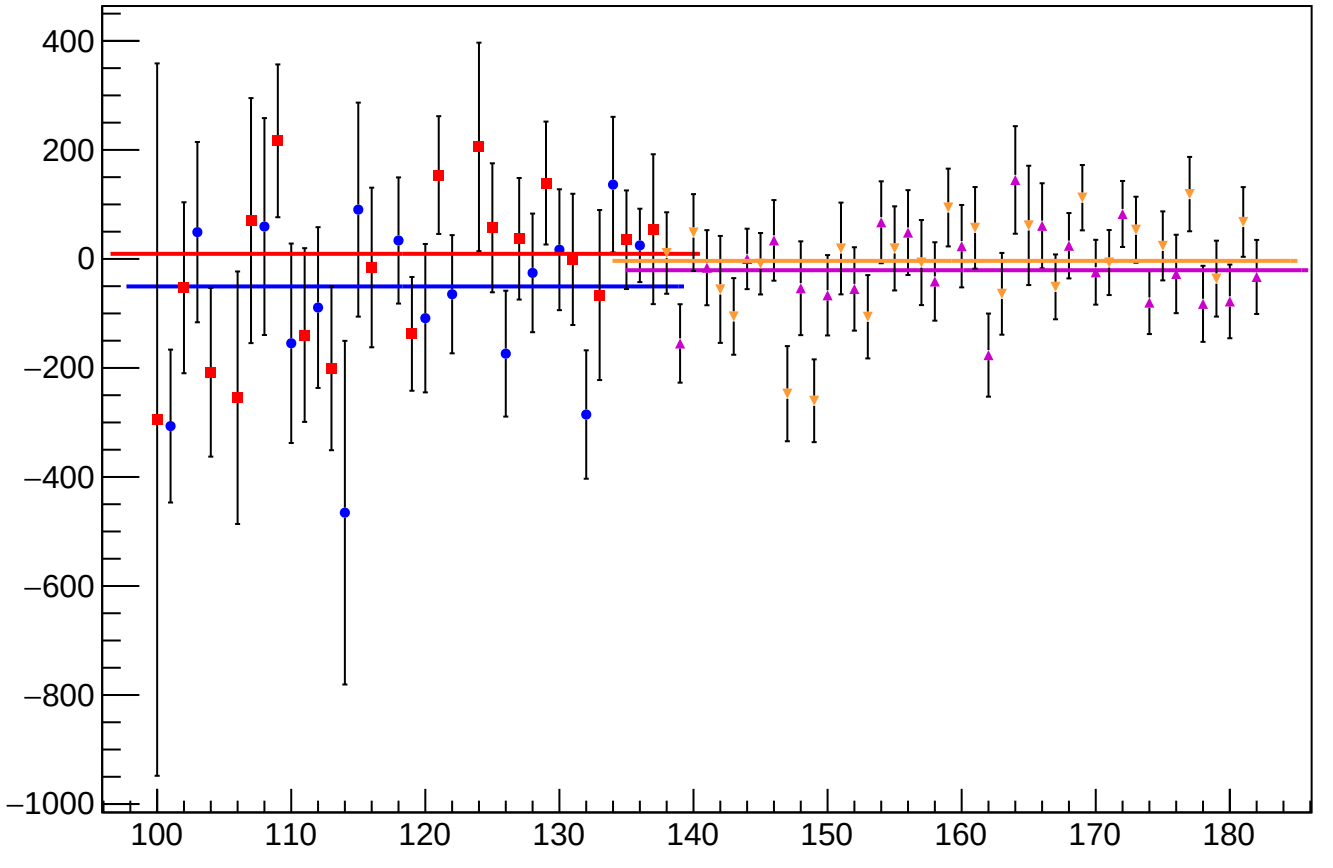
Left: 334.640+/-0.040 χ^2/NDF: 2895880.8/44

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 360.689+/-0.054 χ^2/NDF:5943381.0/37

Out: 366.666+/-0.055 χ^2/NDF:6718308.9/41

All: 363.638+/-0.039 χ^2/NDF: 12667678.8/79



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -3.552+/-14.717 χ^2/NDF:37.9/22

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -20.725+/-14.876 χ^2/NDF:21.6/21

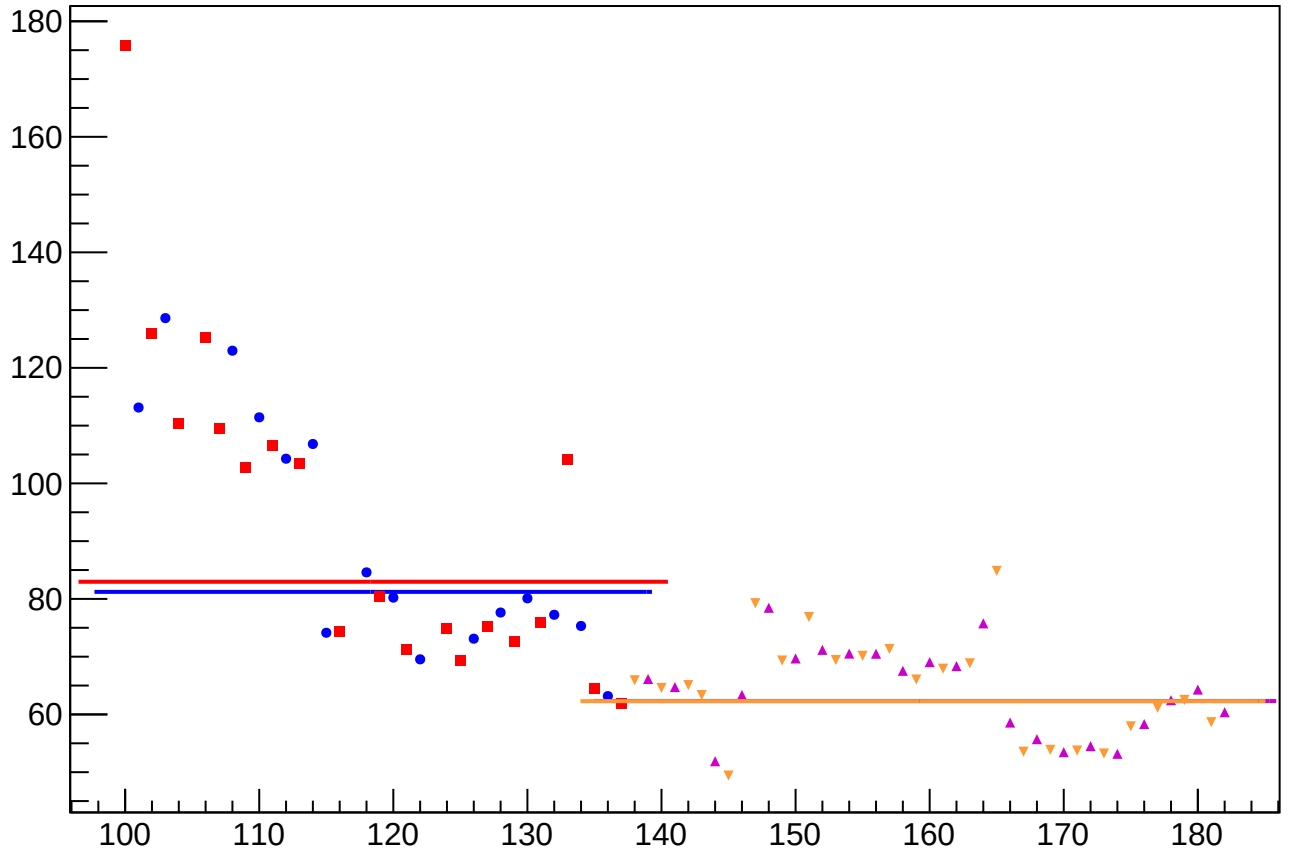
Left: -12.047+/-10.462 χ^2/NDF: 60.2/44

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -26.274+/-13.417 χ^2/NDF:38.8/37

Out: -1.203+/-13.313 χ^2/NDF:53.6/41

All: -13.641+/-9.450 χ^2/NDF: 94.1/79



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.294+/-0.010 χ^2/NDF:633000.3/22

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 62.317+/-0.011 χ^2/NDF:484528.7/21

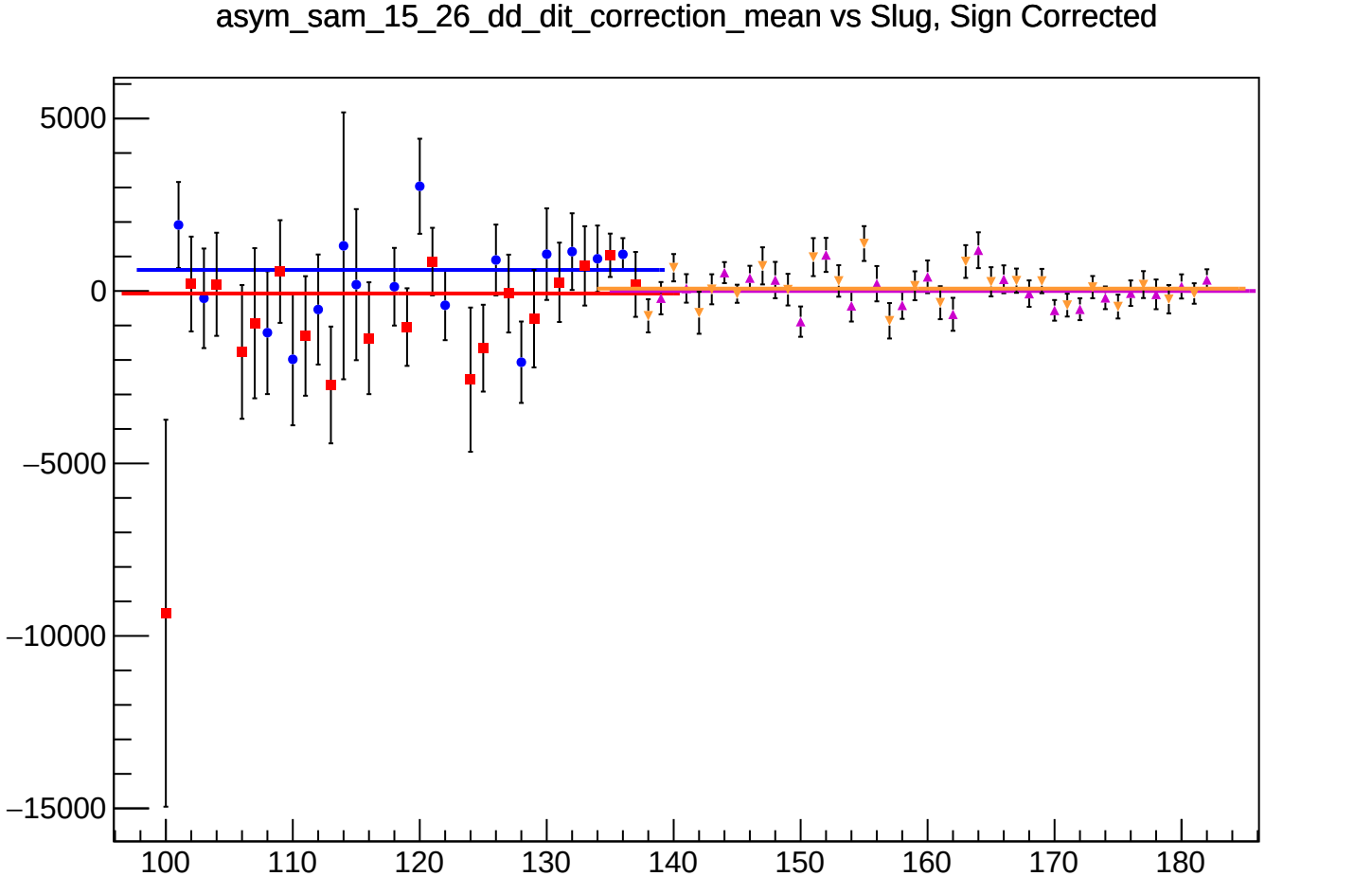
Left: 62.305+/-0.007 χ^2/NDF: 1117531.5/44

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 65.843+/-0.009 χ^2/NDF:1749826.2/37

Out: 66.050+/-0.009 χ^2/NDF:2080638.2/41

All: 65.947+/-0.007 χ^2/NDF: 3830704.3/79



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 68.555+/-83.206 χ^2/NDF:31.0/22

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -0.198+/-83.232 χ^2/NDF:32.2/21

Left: 34.189+/-58.845 χ^2/NDF: 63.5/44

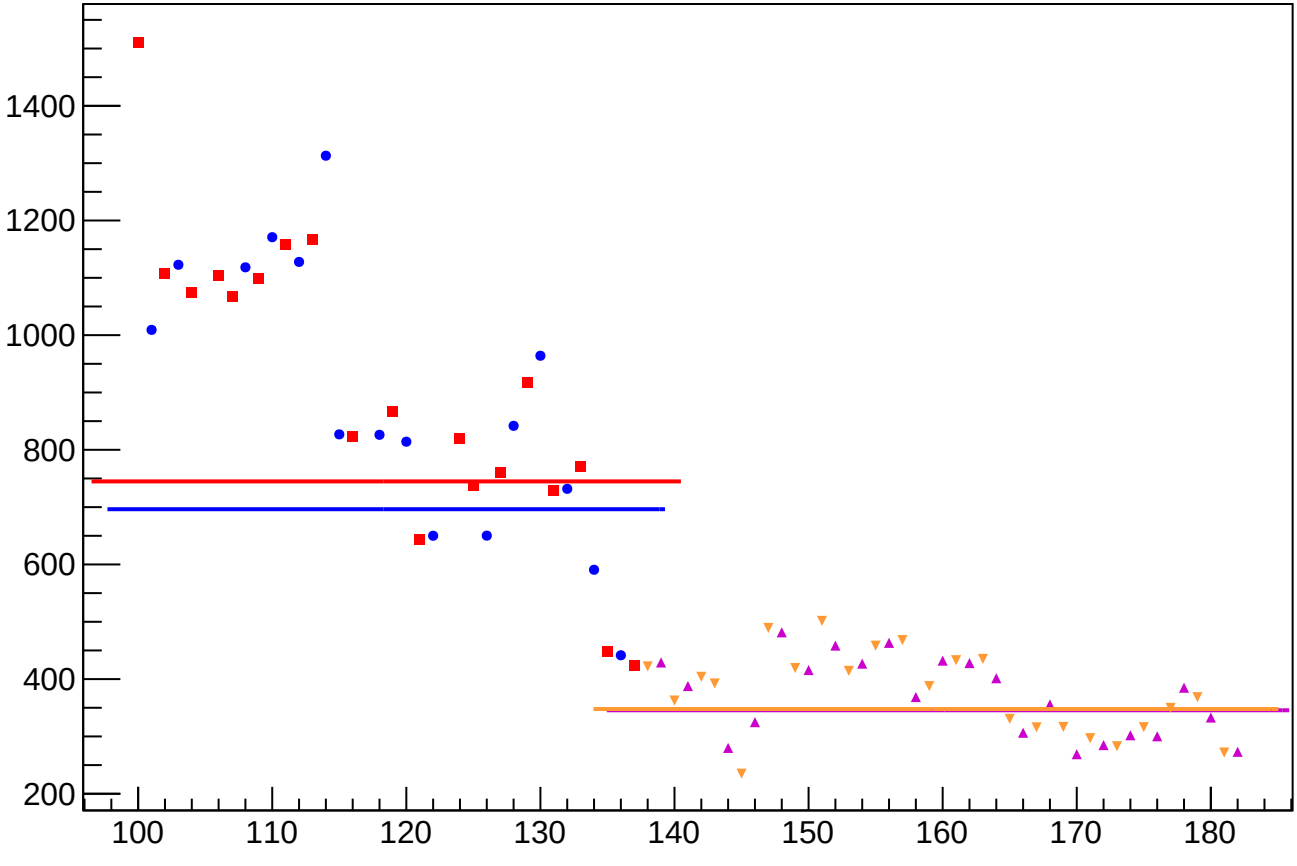
Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 51.389+/-79.638 χ^2/NDF:52.5/37

Out: 57.622+/-79.912 χ^2/NDF:47.4/41

All: 54.494+/-56.409 χ^2/NDF: 99.9/79

asym_sam_15_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 347.829+/-0.059 χ^2/NDF:1515580.7/22

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 345.641+/-0.059 χ^2/NDF:1218430.7/21

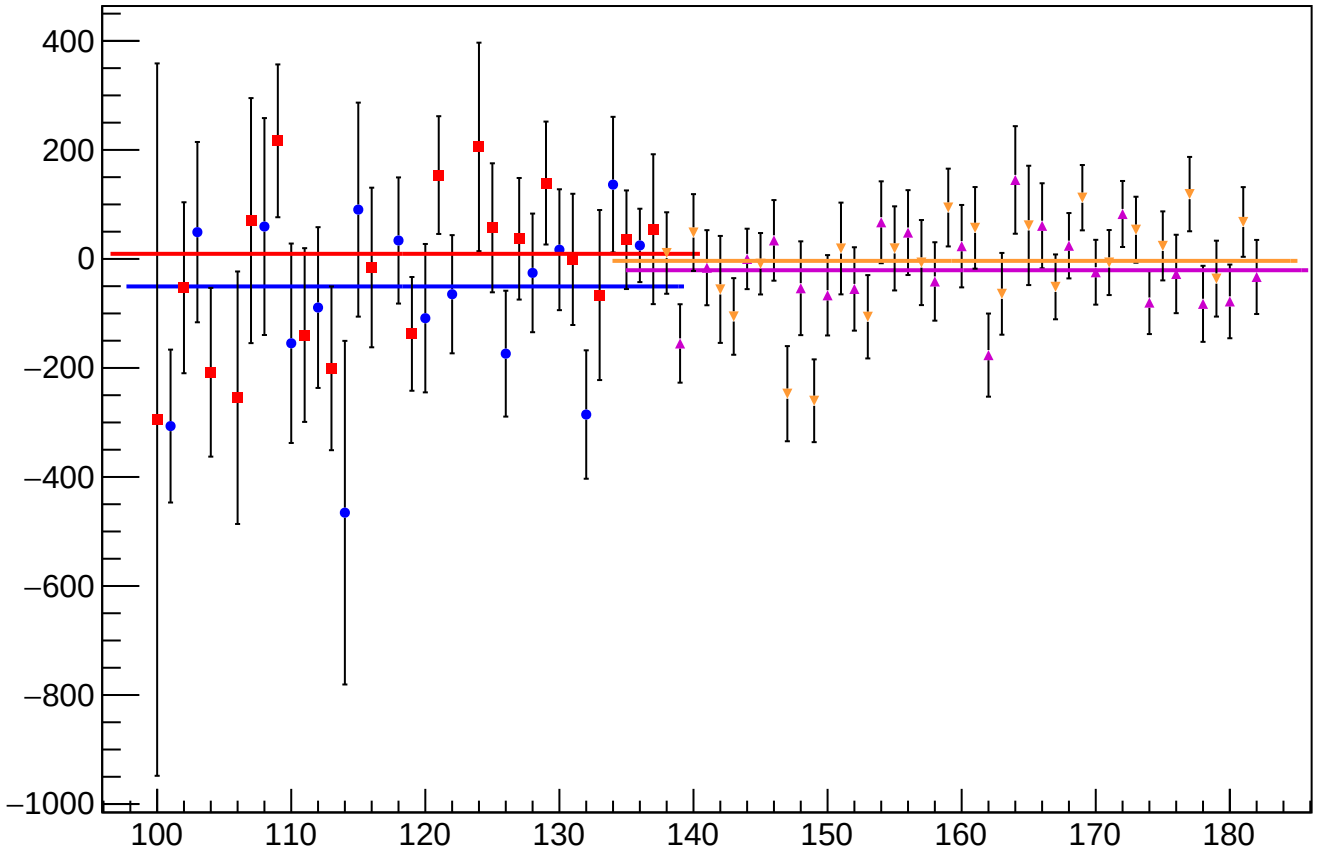
Left: 346.735+/-0.042 χ^2/NDF: 2734702.6/44

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 375.273+/-0.056 χ^2/NDF:5734425.1/37

Out: 378.647+/-0.057 χ^2/NDF:6548802.8/41

All: 376.955+/-0.040 χ^2/NDF: 12285016.5/79



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -3.551+/-14.717 χ^2/NDF:37.9/22

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -20.725+/-14.876 χ^2/NDF:21.6/21

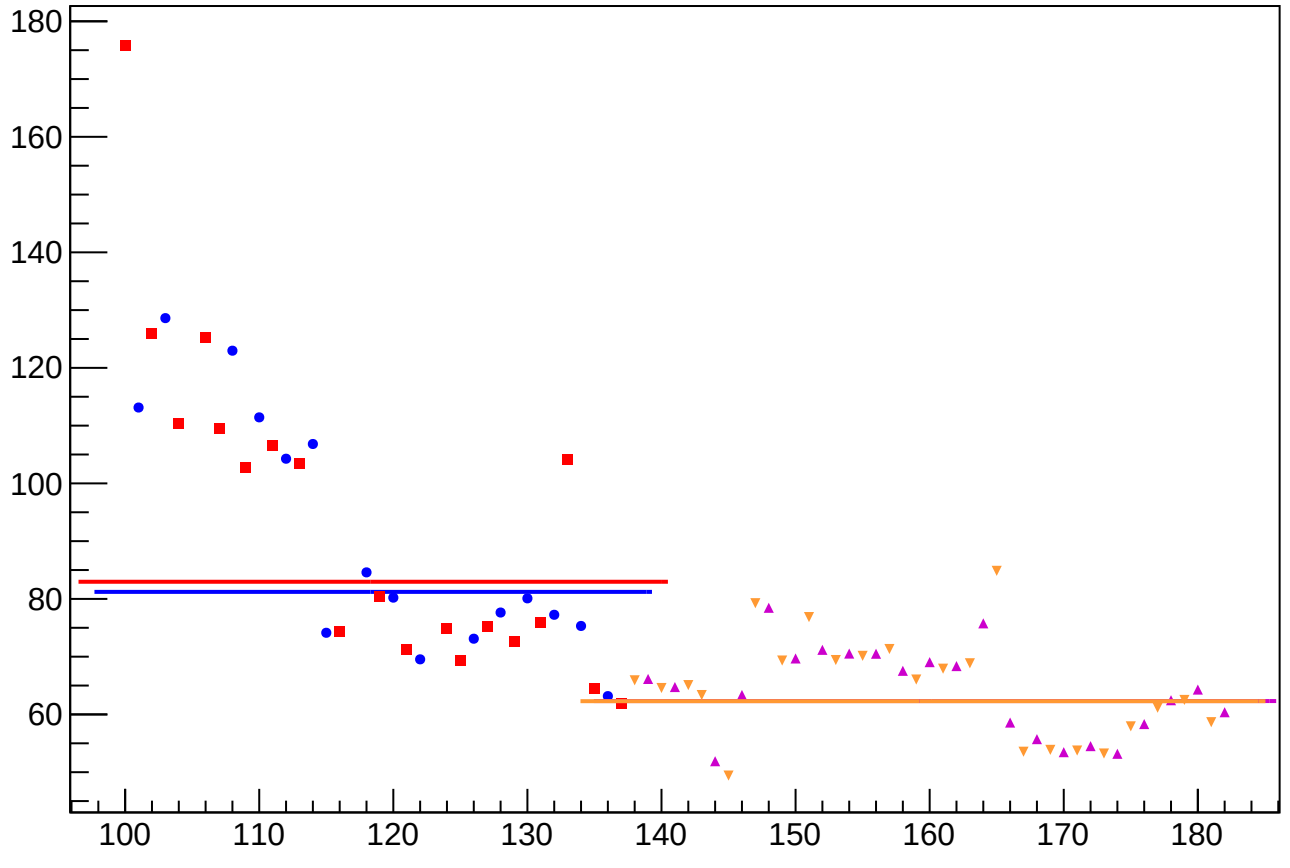
Left: -12.046+/-10.462 χ^2/NDF: 60.2/44

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -26.274+/-13.417 χ^2/NDF:38.8/37

Out: -1.202+/-13.313 χ^2/NDF:53.6/41

All: -13.641+/-9.450 χ^2/NDF: 94.1/79



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.294+/-0.010 χ^2/NDF:632998.7/22

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.317+/-0.011 χ^2/NDF:484523.5/21

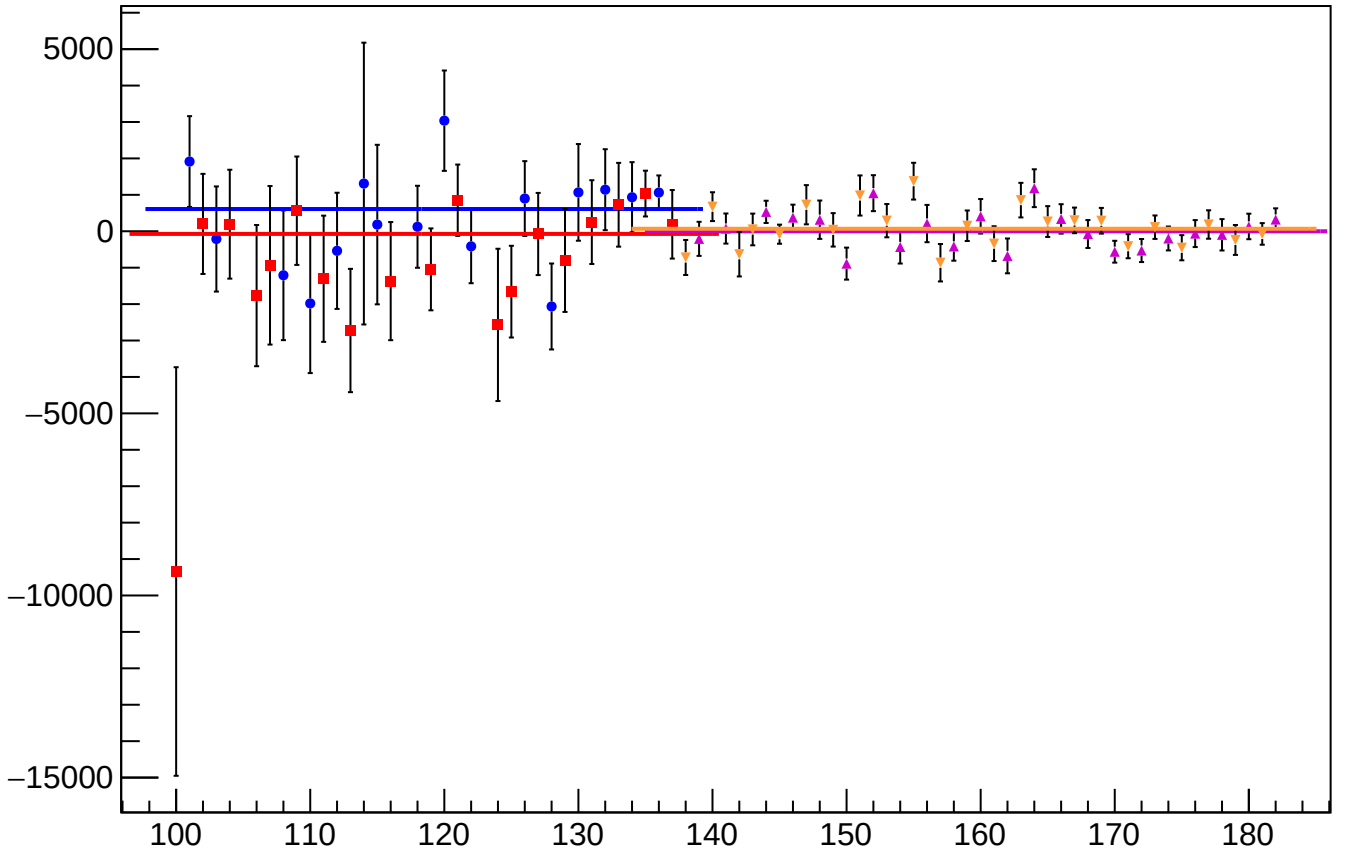
Left: 62.305+/-0.007 χ^2/NDF: 1117524.7/44

Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 65.843+/-0.009 χ^2/NDF:1749771.7/37

Out: 66.050+/-0.009 χ^2/NDF:2080605.3/41

All: 65.947+/-0.007 χ^2/NDF: 3830616.7/79



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 68.556+/-83.206 χ^2/NDF:31.0/22

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -0.198+/-83.232 χ^2/NDF:32.2/21

Left: 34.190+/-58.845 χ^2/NDF: 63.5/44

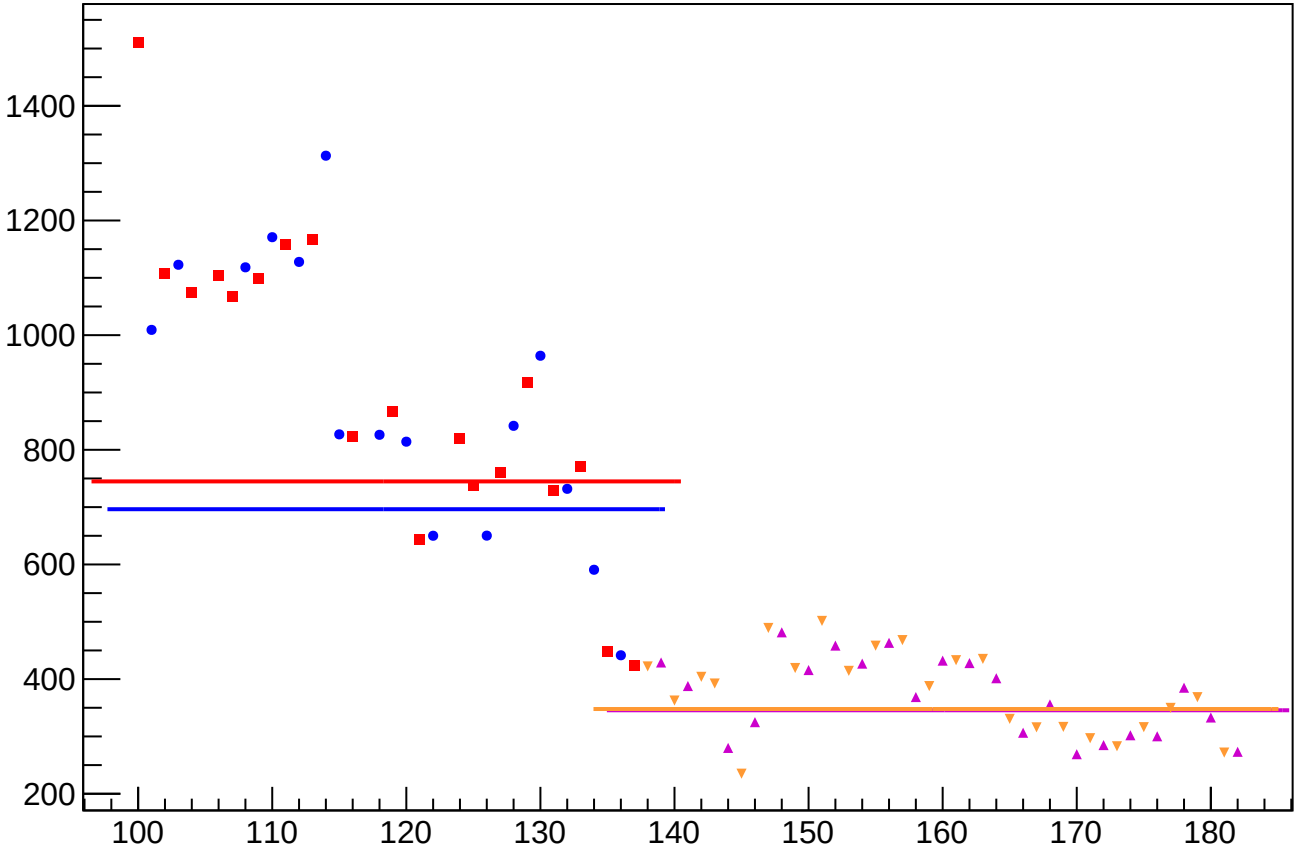
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 51.389+/-79.638 χ^2/NDF:52.5/37

Out: 57.622+/-79.912 χ^2/NDF:47.4/41

All: 54.495+/-56.409 χ^2/NDF: 99.9/79

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: 347.829+/-0.059 χ^2/NDF:1515601.6/22

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 345.641+/-0.059 χ^2/NDF:1218446.9/21

Left: 346.735+/-0.042 χ^2/NDF: 2734739.7/44

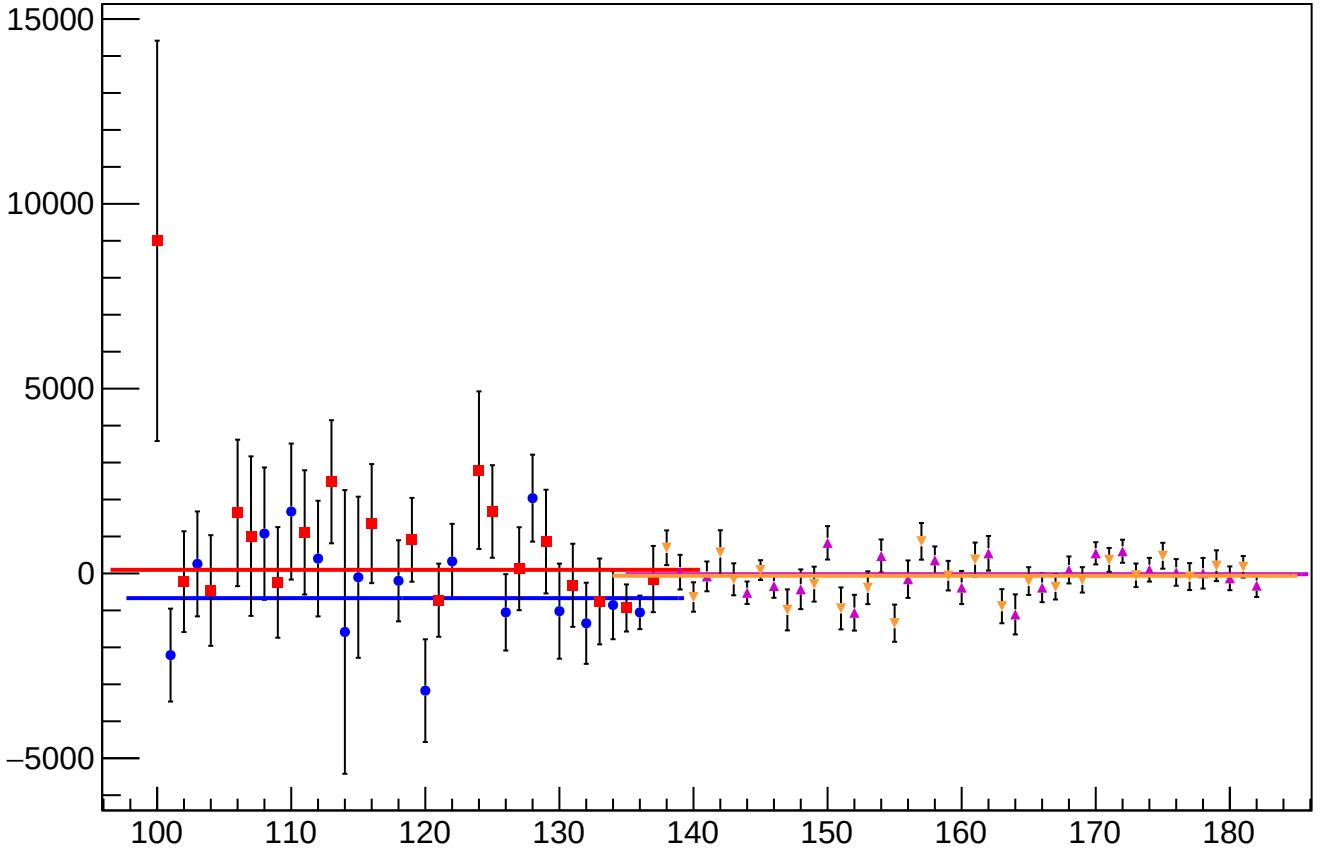
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 375.274+/-0.056 χ^2/NDF:5734417.5/37

Out: 378.647+/-0.057 χ^2/NDF:6548802.7/41

All: 376.955+/-0.040 χ^2/NDF: 12285008.7/79

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -62.034+/-81.865 χ^2/NDF:32.5/22

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -21.262+/-81.177 χ^2/NDF:30.7/21

Left: -41.476+/-57.643 χ^2/NDF: 63.3/44

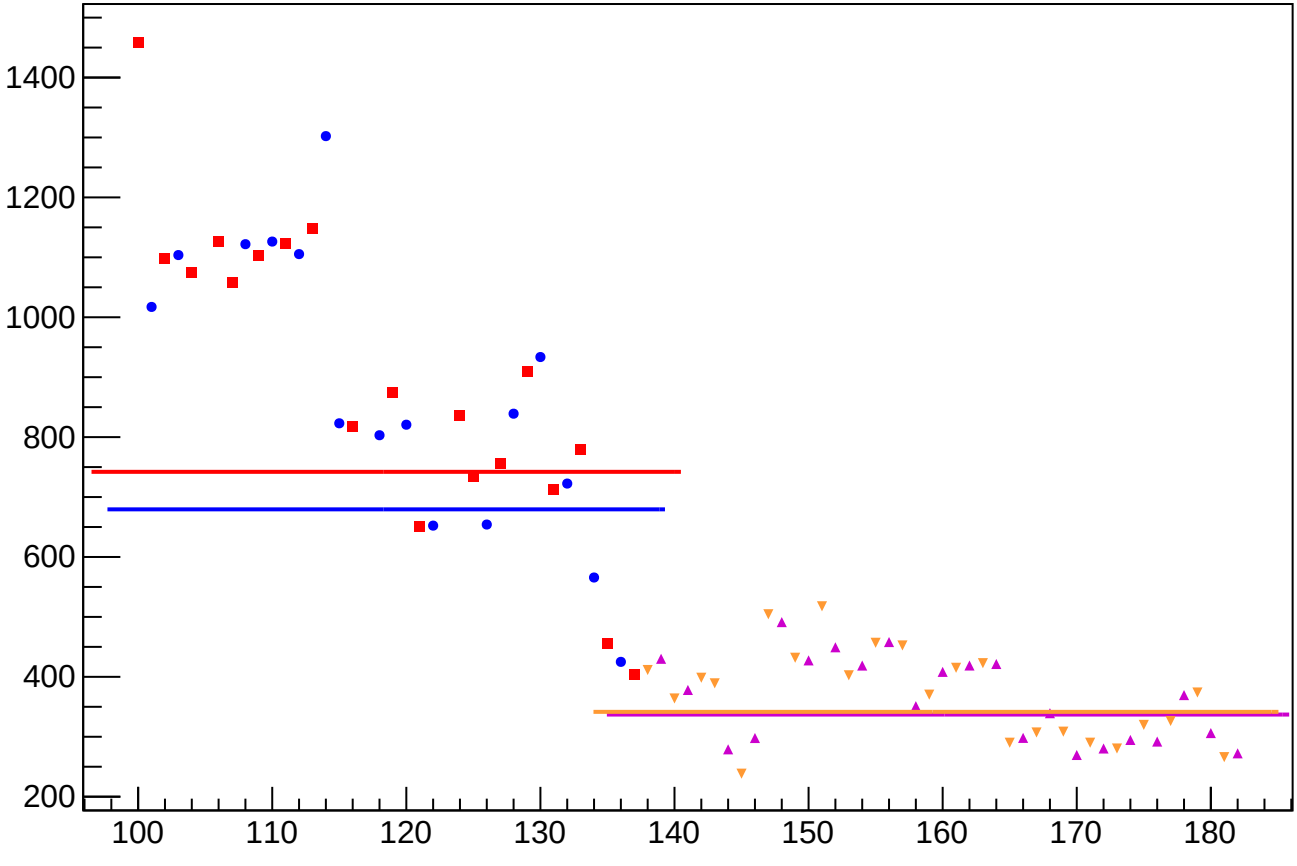
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -75.487+/-77.702 χ^2/NDF:52.1/37

Out: -49.905+/-78.702 χ^2/NDF:47.6/41

All: -62.860+/-55.294 χ^2/NDF: 99.8/79

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 341.567+/-0.058 χ^2/NDF:1551046.2/22

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 337.053+/-0.057 χ^2/NDF:1270896.6/21

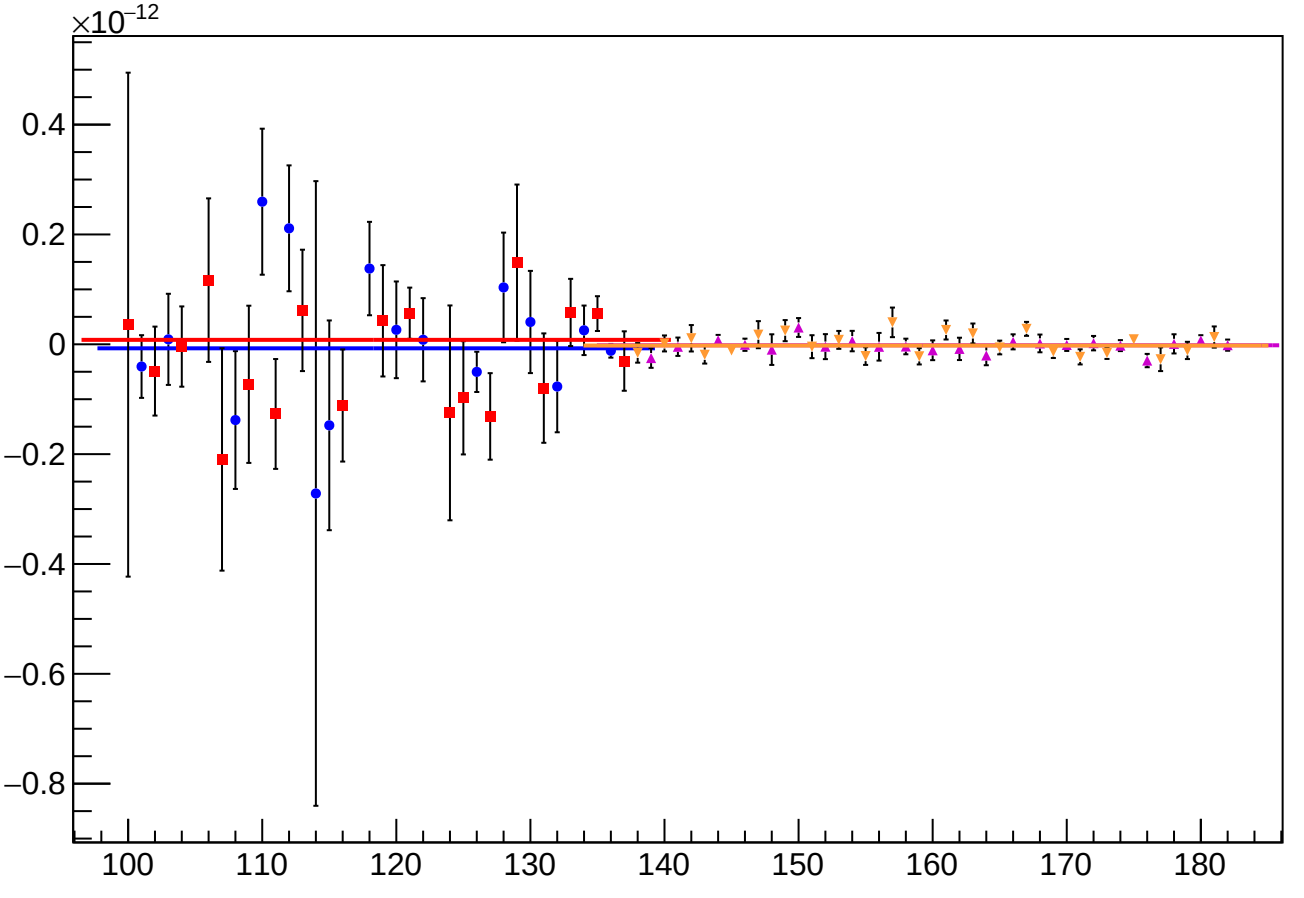
Left: 339.291+/-0.041 χ^2/NDF: 2825008.6/44

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 365.740+/-0.055 χ^2/NDF:5853099.2/37

Out: 371.921+/-0.056 χ^2/NDF:6683411.6/41

All: 368.791+/-0.039 χ^2/NDF: 12542756.8/79



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:14.3/21

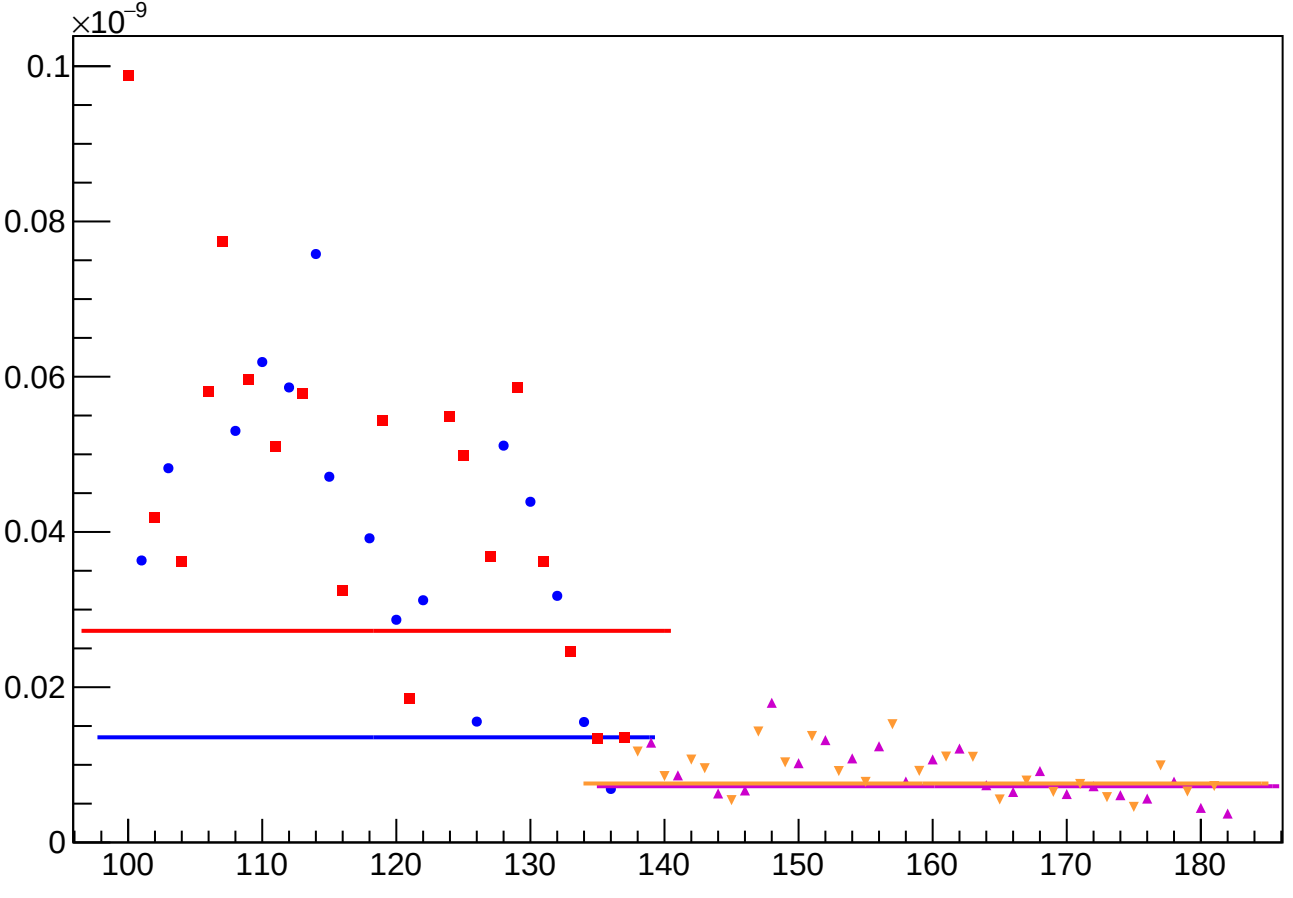
Left: -0.000+/-0.000 χ^2/NDF: 45.1/44

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:31.8/37

Out: -0.000+/-0.000 χ^2/NDF:48.1/41

All: -0.000+/-0.000 χ^2/NDF: 79.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1457412.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1597703.0/21

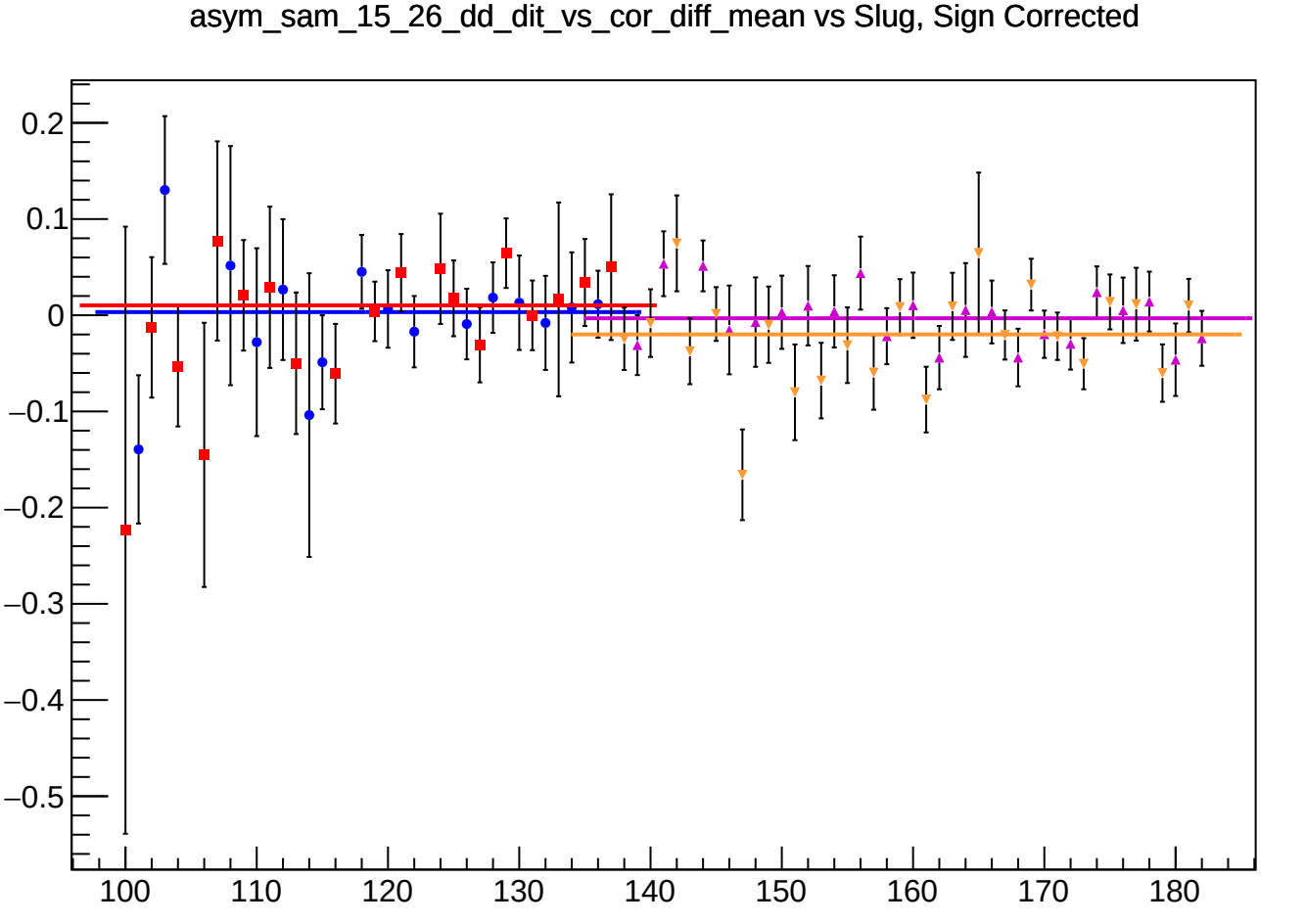
Left: 0.000+/-0.000 χ^2/NDF: 3069144.3/44

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:5315516.9/37

Out: 0.000+/-0.000 χ^2/NDF:5697928.1/41

All: 0.000+/-0.000 χ^2/NDF: 11037896.0/79



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:35.0/22

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.003+/-0.007 χ^2/NDF:18.3/21

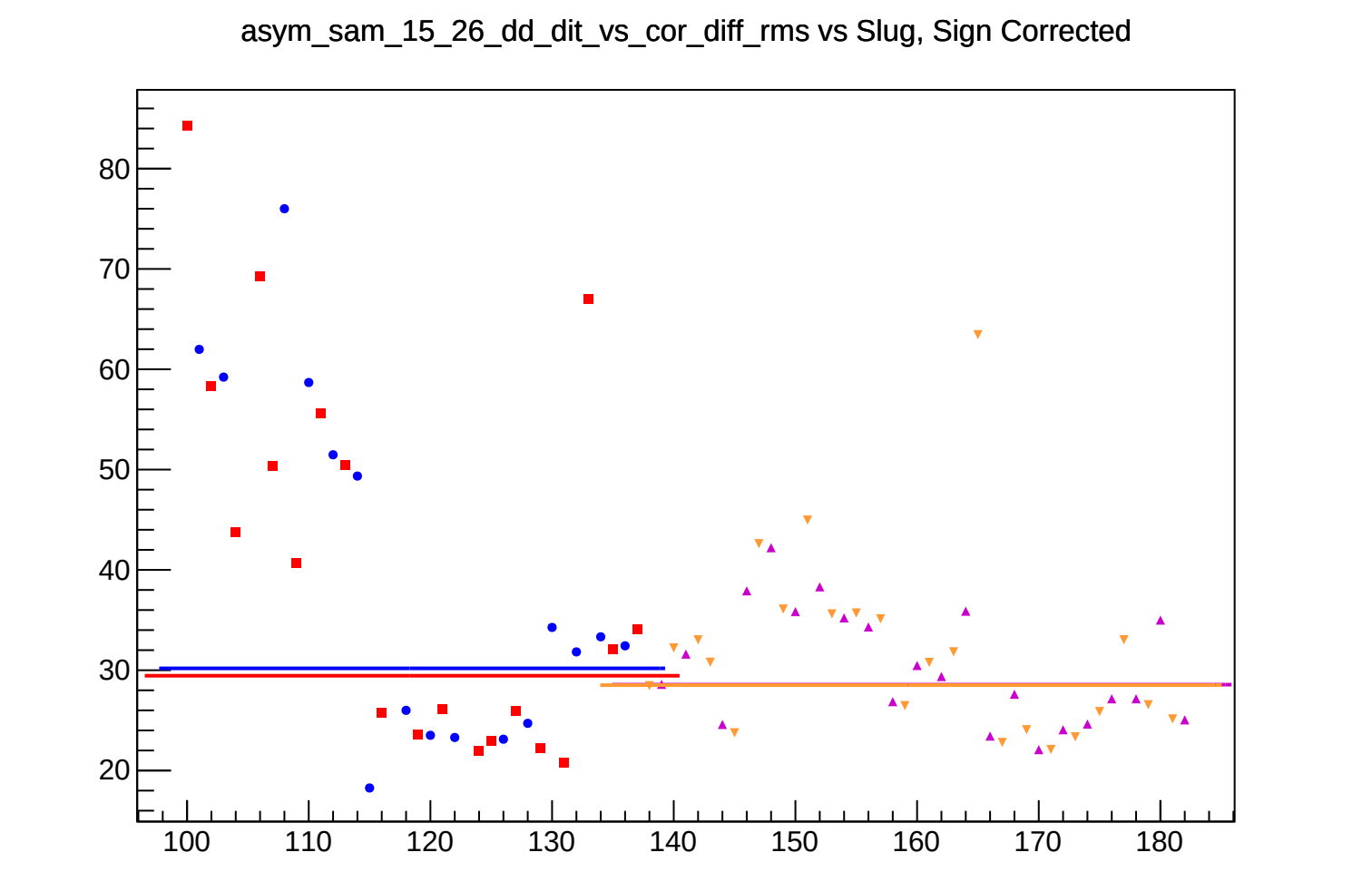
Left: -0.012+/-0.005 χ^2/NDF: 56.3/44

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.002+/-0.006 χ^2/NDF:28.7/37

Out: -0.012+/-0.006 χ^2/NDF:51.2/41

All: -0.007+/-0.004 χ^2/NDF: 81.4/79



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.514+/-0.005 χ^2/NDF:1600774.8/22

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.562+/-0.005 χ^2/NDF:1054276.4/21

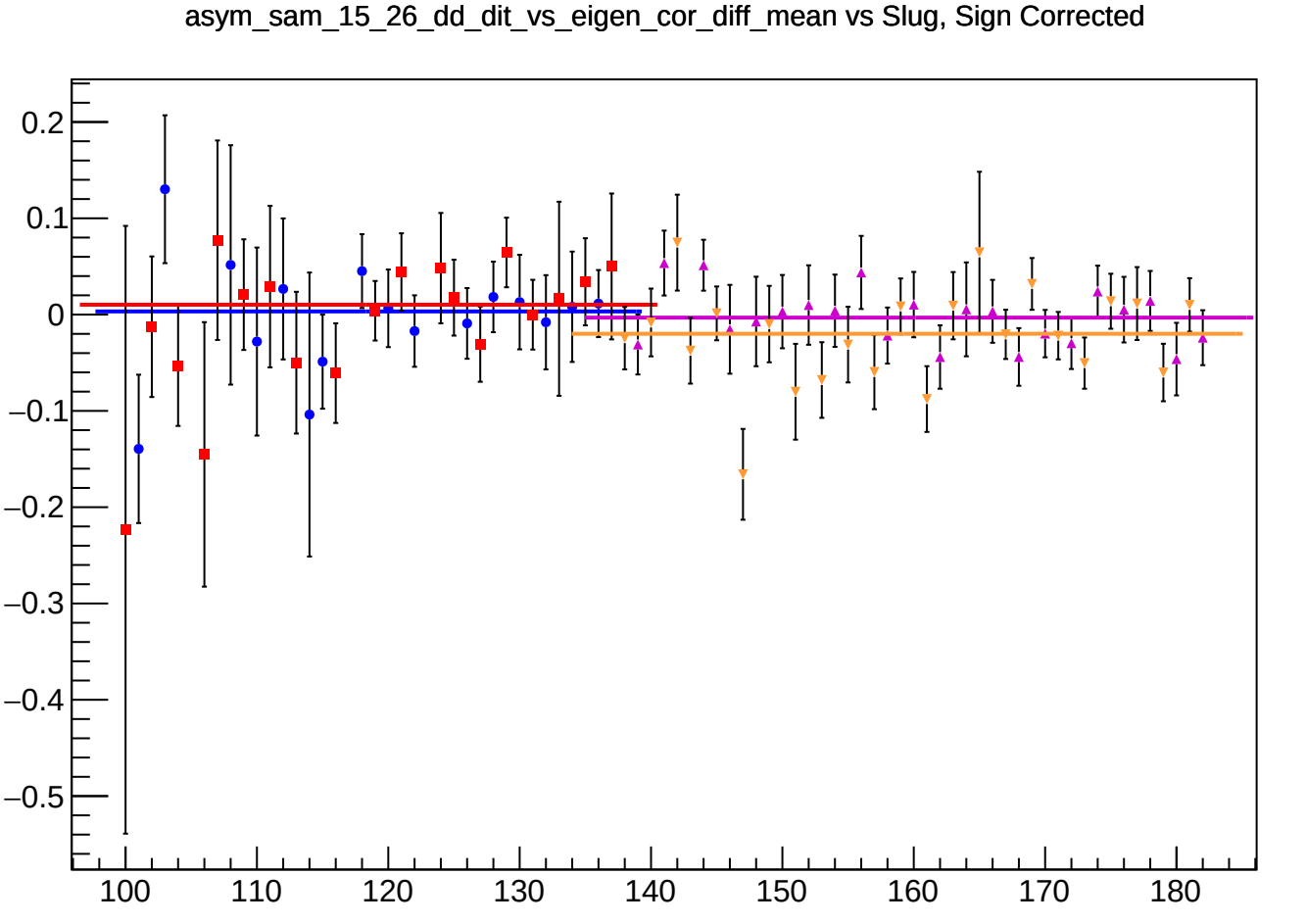
Left: 28.538+/-0.003 χ^2/NDF: 2655100.1/44

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 28.957+/-0.004 χ^2/NDF:2768140.3/37

Out: 28.752+/-0.004 χ^2/NDF:3458812.1/41

All: 28.853+/-0.003 χ^2/NDF: 6228121.9/79



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:35.0/22

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.003+/-0.007 χ^2/NDF:18.3/21

Left: -0.012+/-0.005 χ^2/NDF: 56.3/44

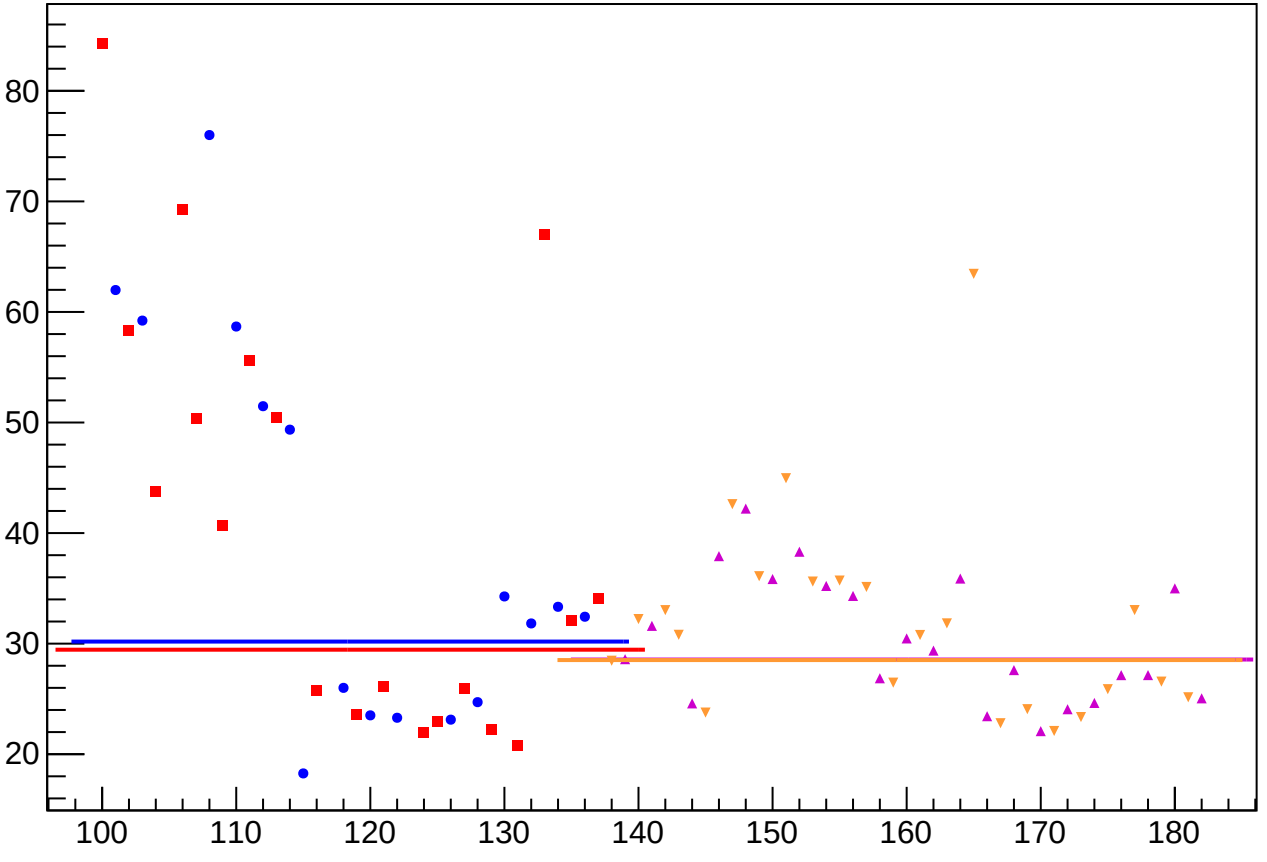
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.002+/-0.006 χ^2/NDF:28.7/37

Out: -0.012+/-0.006 χ^2/NDF:51.2/41

All: -0.007+/-0.004 χ^2/NDF: 81.4/79

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.514+/-0.005 χ^2/NDF:1600774.8/22

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.562+/-0.005 χ^2/NDF:1054276.4/21

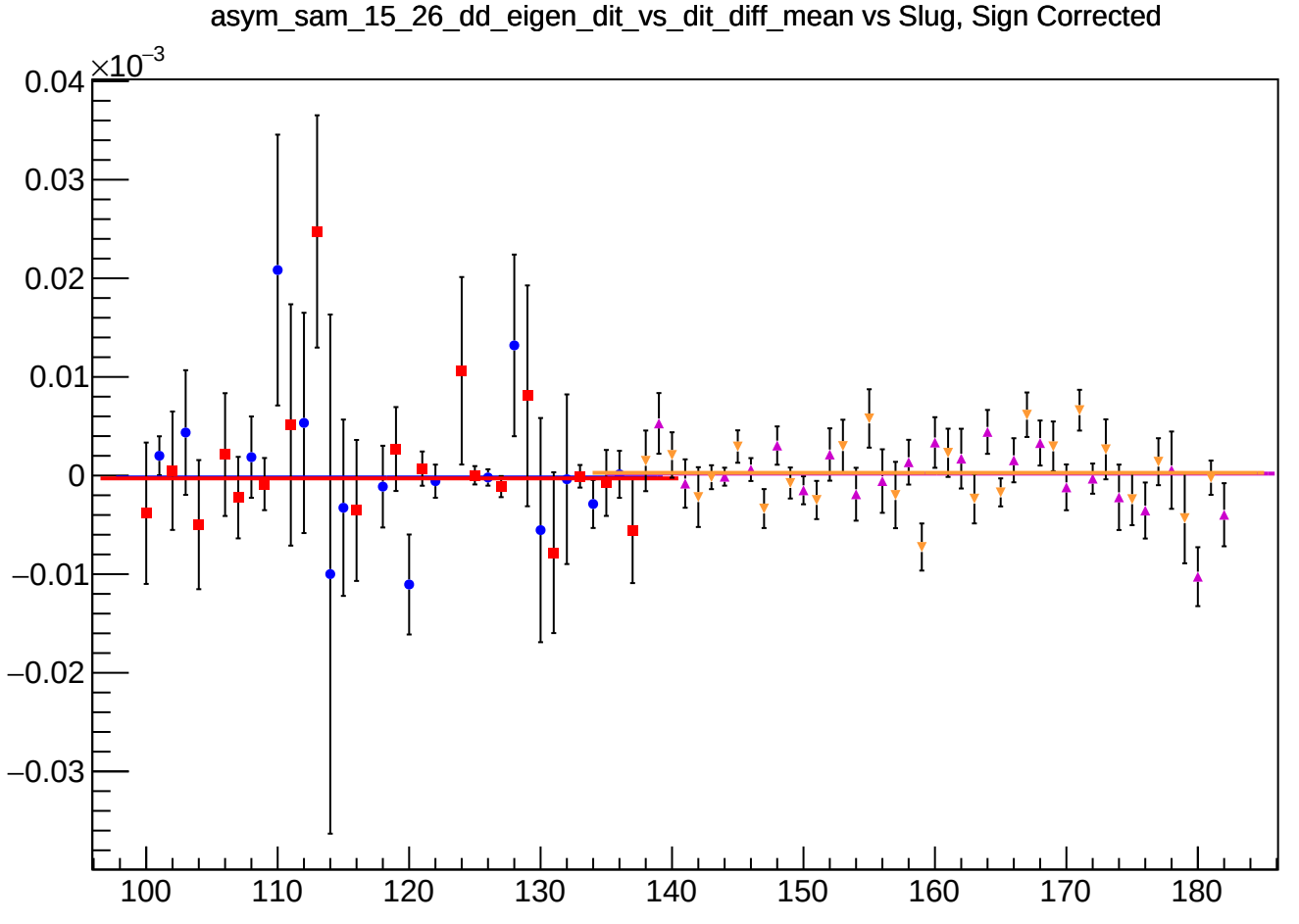
Left: 28.538+/-0.003 χ^2/NDF: 2655100.1/44

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 28.957+/-0.004 χ^2/NDF:2768140.3/37

Out: 28.752+/-0.004 χ^2/NDF:3458812.1/41

All: 28.853+/-0.003 χ^2/NDF: 6228121.9/79



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.0/22

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:32.4/21

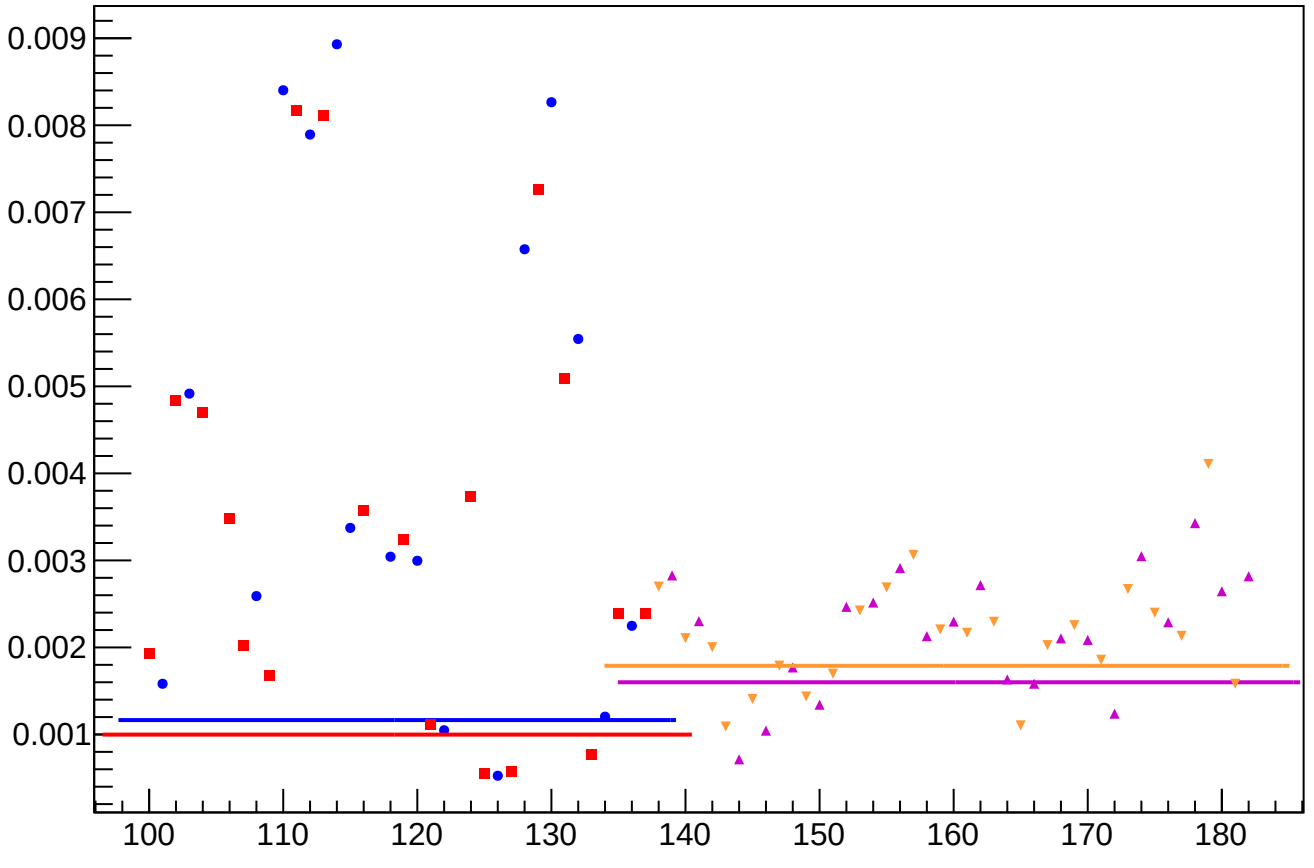
Left: 0.000+/-0.000 χ^2/NDF: 81.4/44

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:45.8/37

Out: 0.000+/-0.000 χ^2/NDF:61.1/41

All: 0.000+/-0.000 χ^2/NDF: 106.9/79



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3291130.0/22

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.002+/-0.000 χ^2/NDF:5986855.7/21

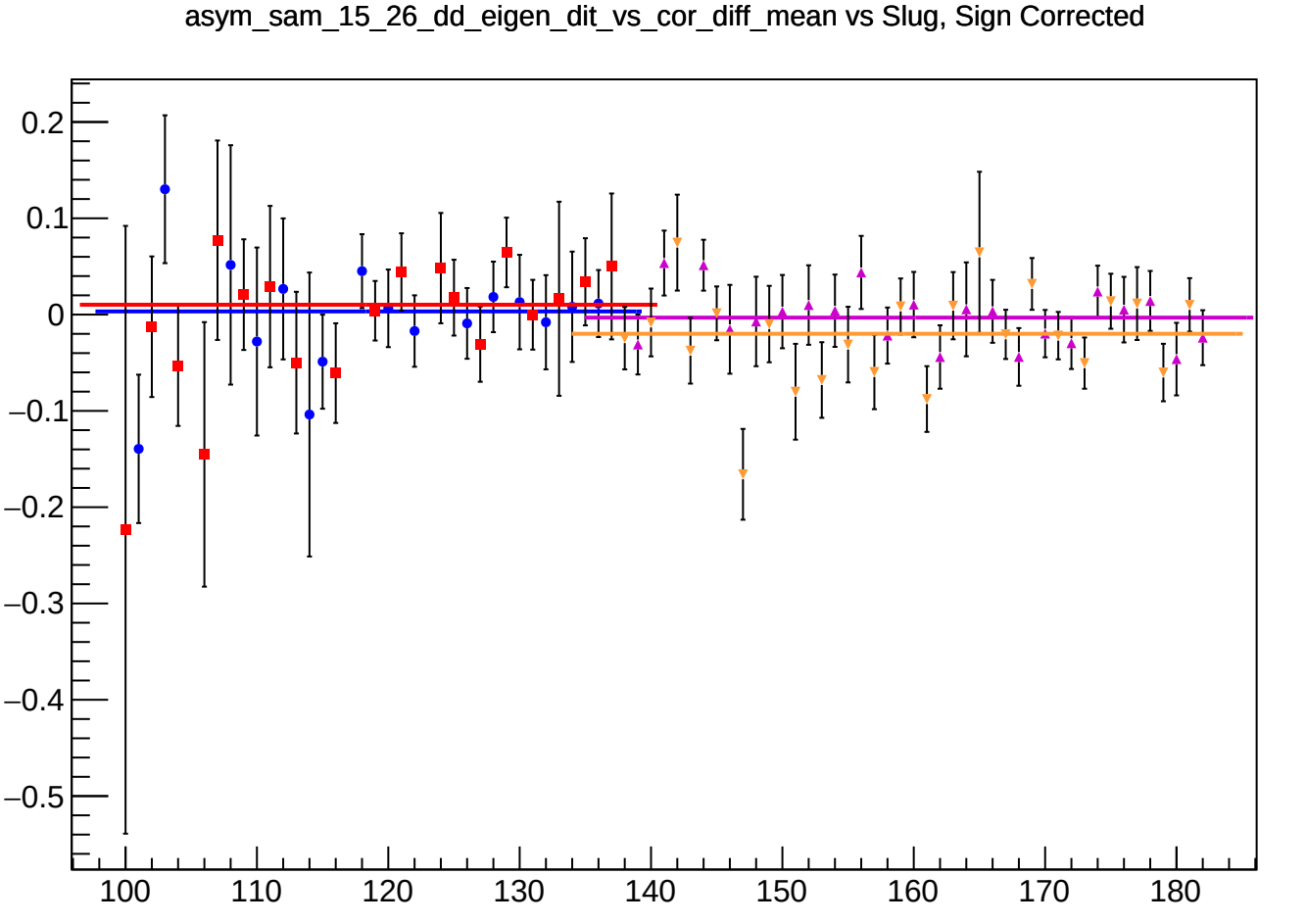
Left: 0.002+/-0.000 χ^2/NDF: 9468407.4/44

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:13544023.3/37

Out: 0.001+/-0.000 χ^2/NDF:12900206.6/41

All: 0.001+/-0.000 χ^2/NDF: 26444231.6/79



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:35.0/22

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.003+/-0.007 χ^2/NDF:18.3/21

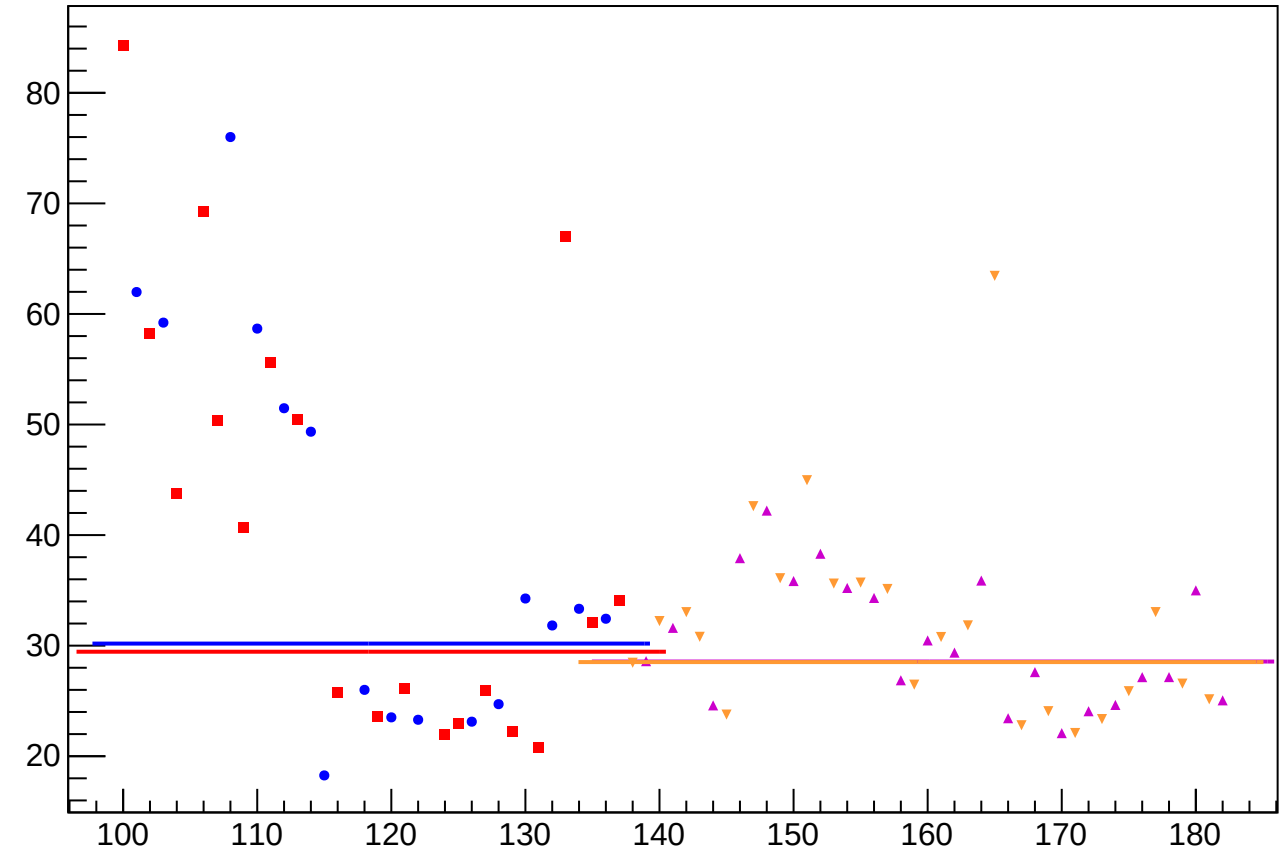
Left: -0.012+/-0.005 χ^2/NDF: 56.3/44

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.002+/-0.006 χ^2/NDF:28.7/37

Out: -0.012+/-0.006 χ^2/NDF:51.2/41

All: -0.007+/-0.004 χ^2/NDF: 81.4/79



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.514+/-0.005 χ^2/NDF:1600748.1/22

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.563+/-0.005 χ^2/NDF:1054265.9/21

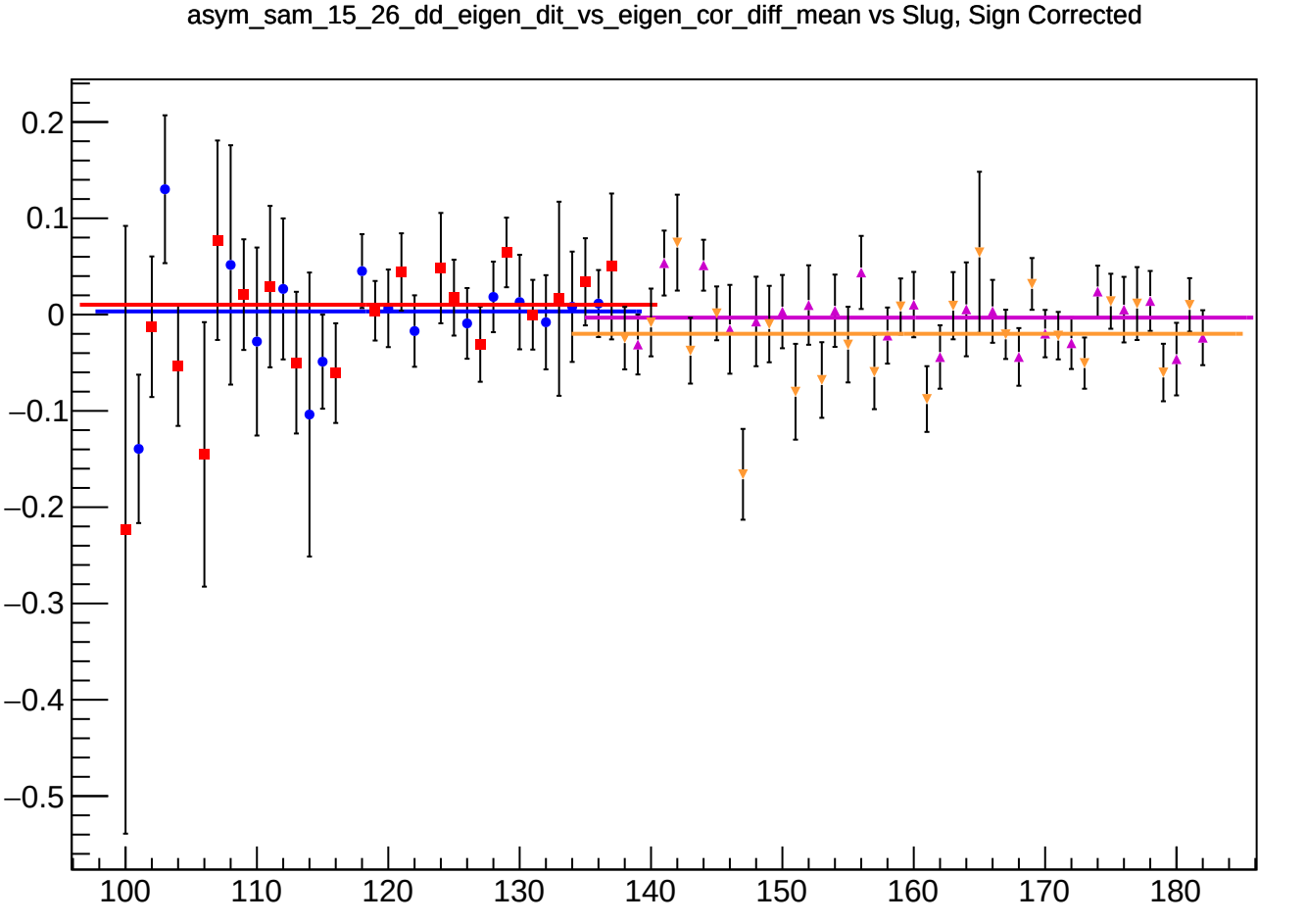
Left: 28.538+/-0.003 χ^2/NDF: 2655063.3/44

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 28.957+/-0.004 χ^2/NDF:2767937.1/37

Out: 28.752+/-0.004 χ^2/NDF:3458767.9/41

All: 28.853+/-0.003 χ^2/NDF: 6227877.8/79



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:35.0/22

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.003+/-0.007 χ^2/NDF:18.3/21

Left: -0.012+/-0.005 χ^2/NDF: 56.3/44

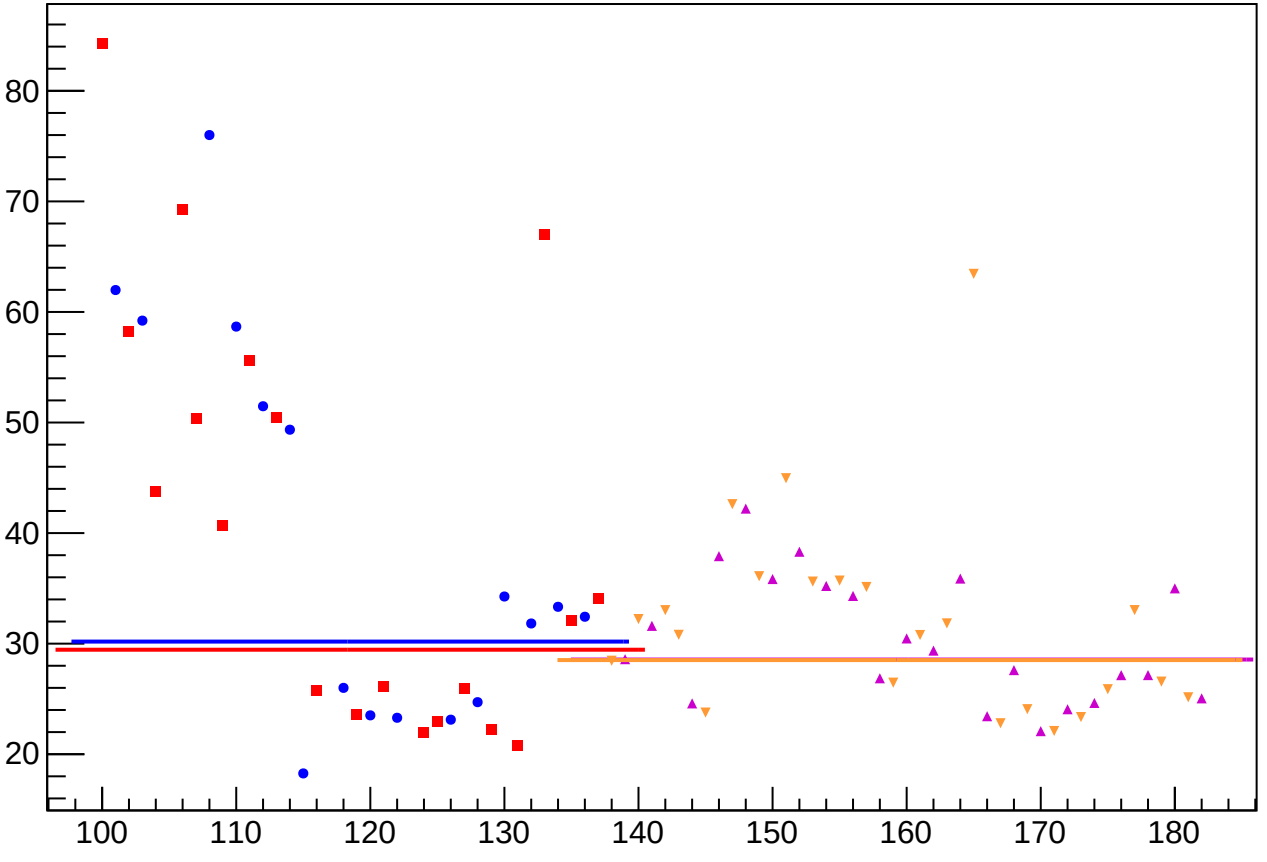
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.002+/-0.006 χ^2/NDF:28.7/37

Out: -0.012+/-0.006 χ^2/NDF:51.2/41

All: -0.007+/-0.004 χ^2/NDF: 81.4/79

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.514+/-0.005 χ^2/NDF:1600748.1/22

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.563+/-0.005 χ^2/NDF:1054265.9/21

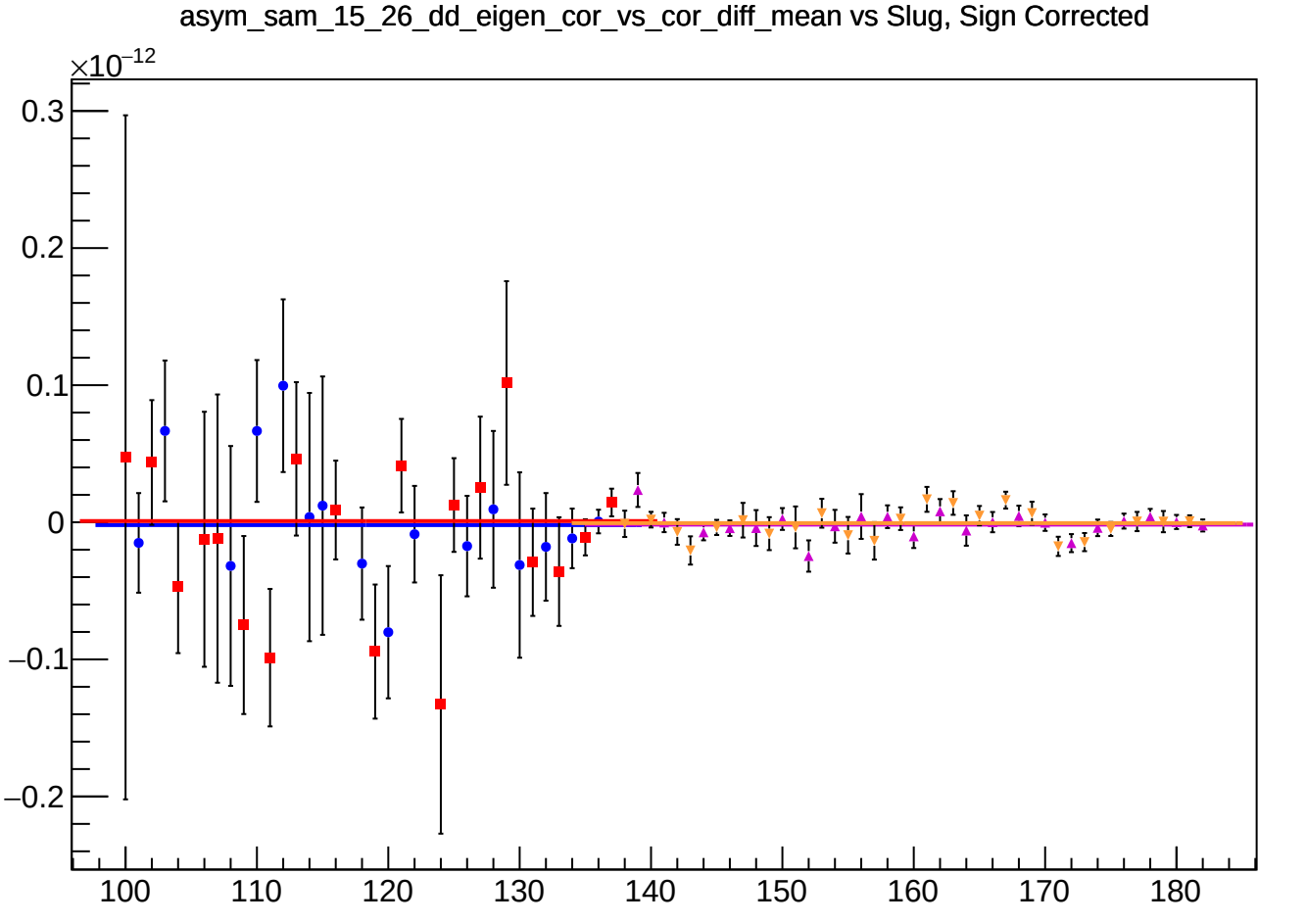
Left: 28.538+/-0.003 χ^2/NDF: 2655063.3/44

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 28.957+/-0.004 χ^2/NDF:2767937.1/37

Out: 28.752+/-0.004 χ^2/NDF:3458767.9/41

All: 28.853+/-0.003 χ^2/NDF: 6227877.8/79



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.2/21

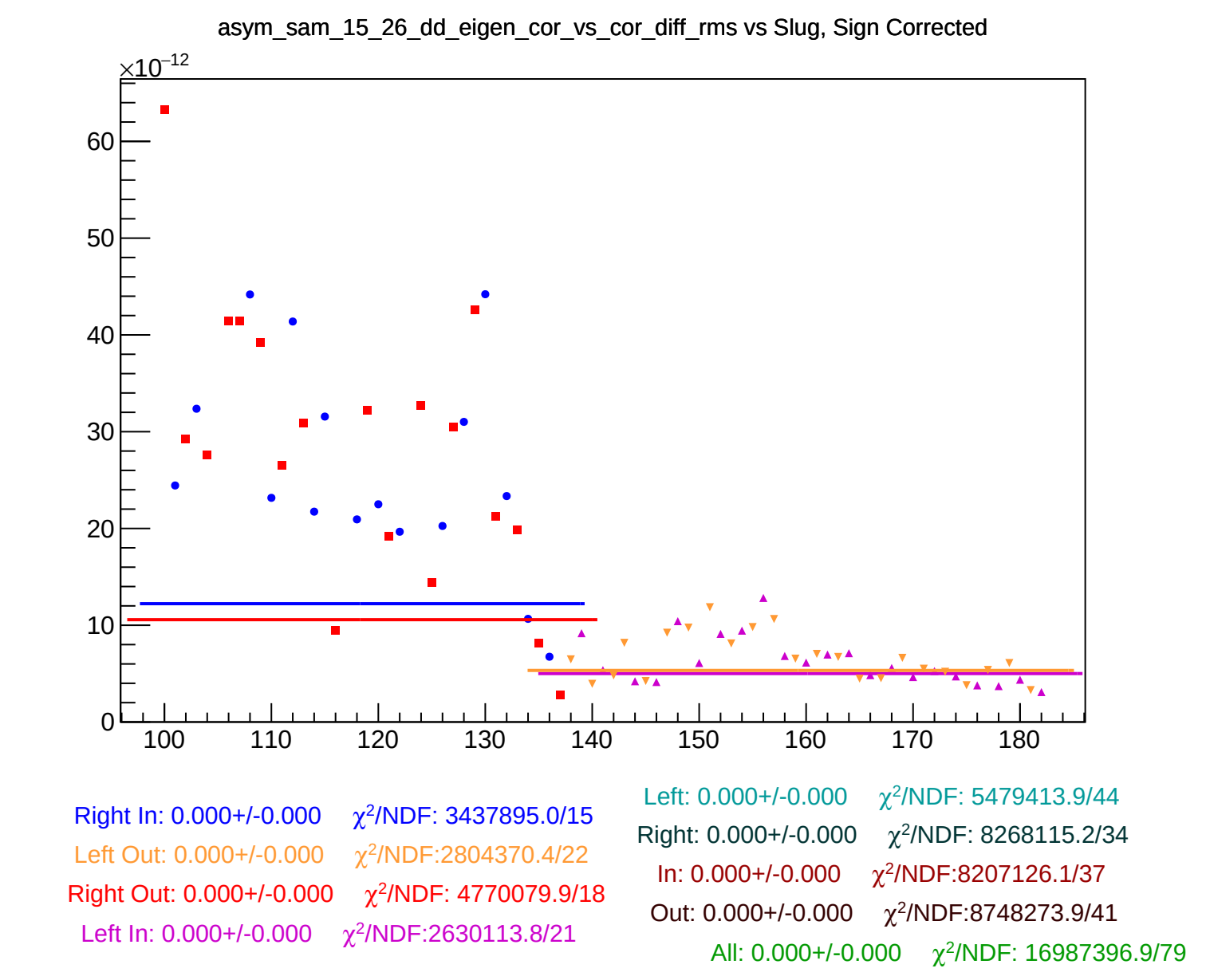
Left: -0.000+/-0.000 χ^2/NDF: 53.1/44

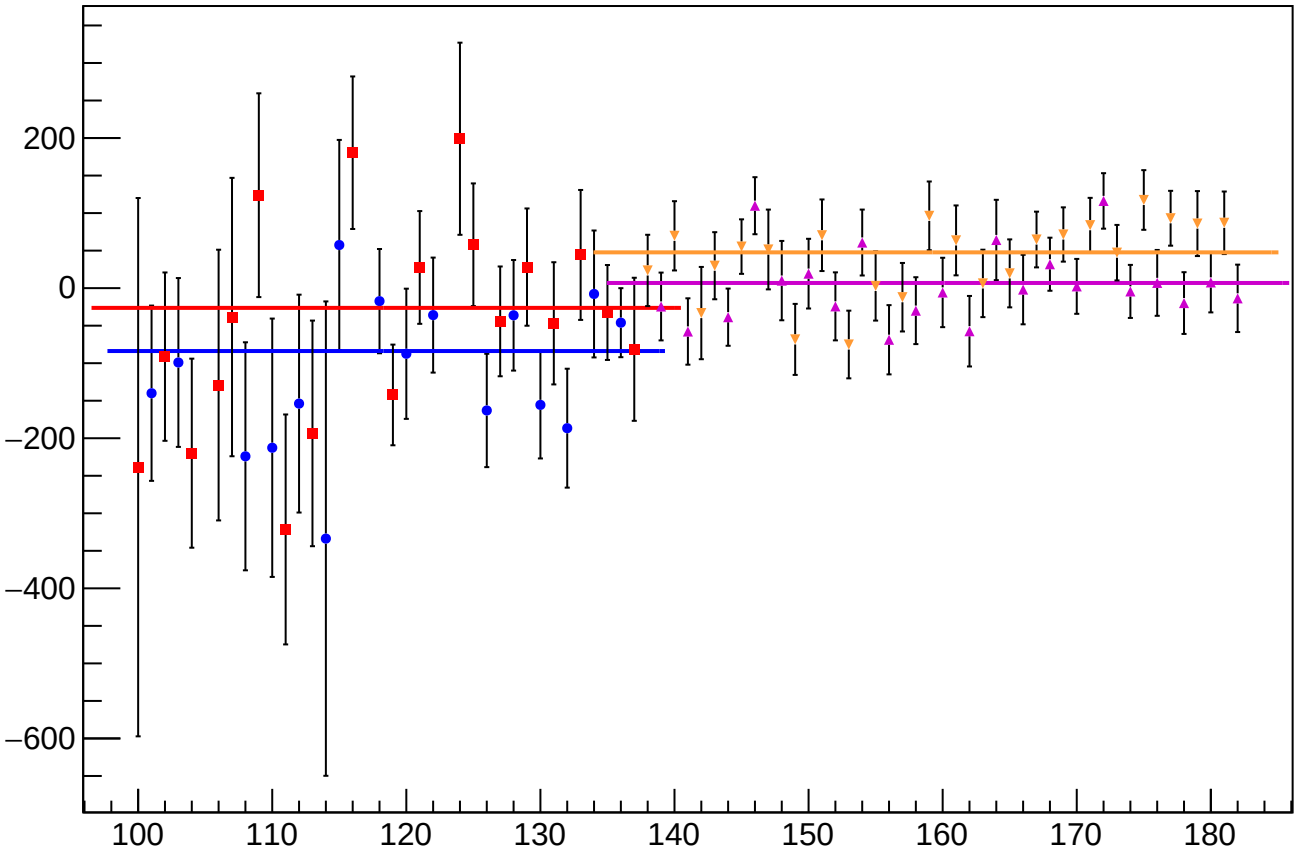
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:29.6/37

Out: -0.000+/-0.000 χ^2/NDF:55.0/41

All: -0.000+/-0.000 χ^2/NDF: 85.0/79


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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2804370.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:2630113.8/21
Left: 0.000+/-0.000 χ²/NDF: 5479413.9/44
Right: 0.000+/-0.000 χ²/NDF: 8268115.2/34
In: 0.000+/-0.000 χ²/NDF:8207126.1/37
Out: 0.000+/-0.000 χ²/NDF:8748273.9/41
All: 0.000+/-0.000 χ²/NDF: 16987396.9/79



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 47.674+/-8.942 χ^2/NDF:29.2/22

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 6.890+/-9.042 χ^2/NDF:29.9/21

Left: 27.507+/-6.358 χ^2/NDF: 69.4/44

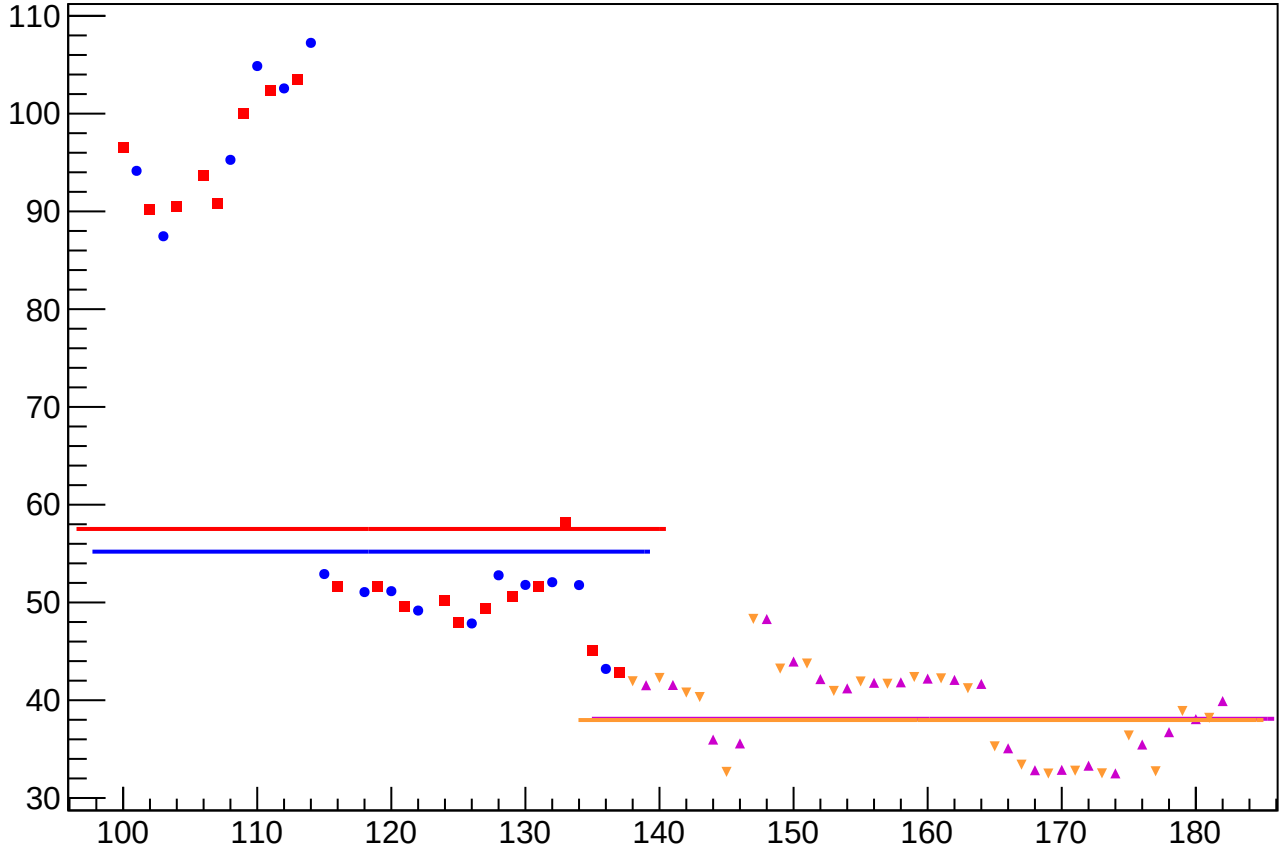
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -6.811+/-8.331 χ^2/NDF:55.7/37

Out: 37.240+/-8.288 χ^2/NDF:61.8/41

All: 15.328+/-5.876 χ^2/NDF: 131.5/79

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 37.974+/-0.006 χ^2/NDF:508211.7/22

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 38.102+/-0.006 χ^2/NDF:426794.3/21

Left: 38.037+/-0.004 χ^2/NDF: 935211.3/44

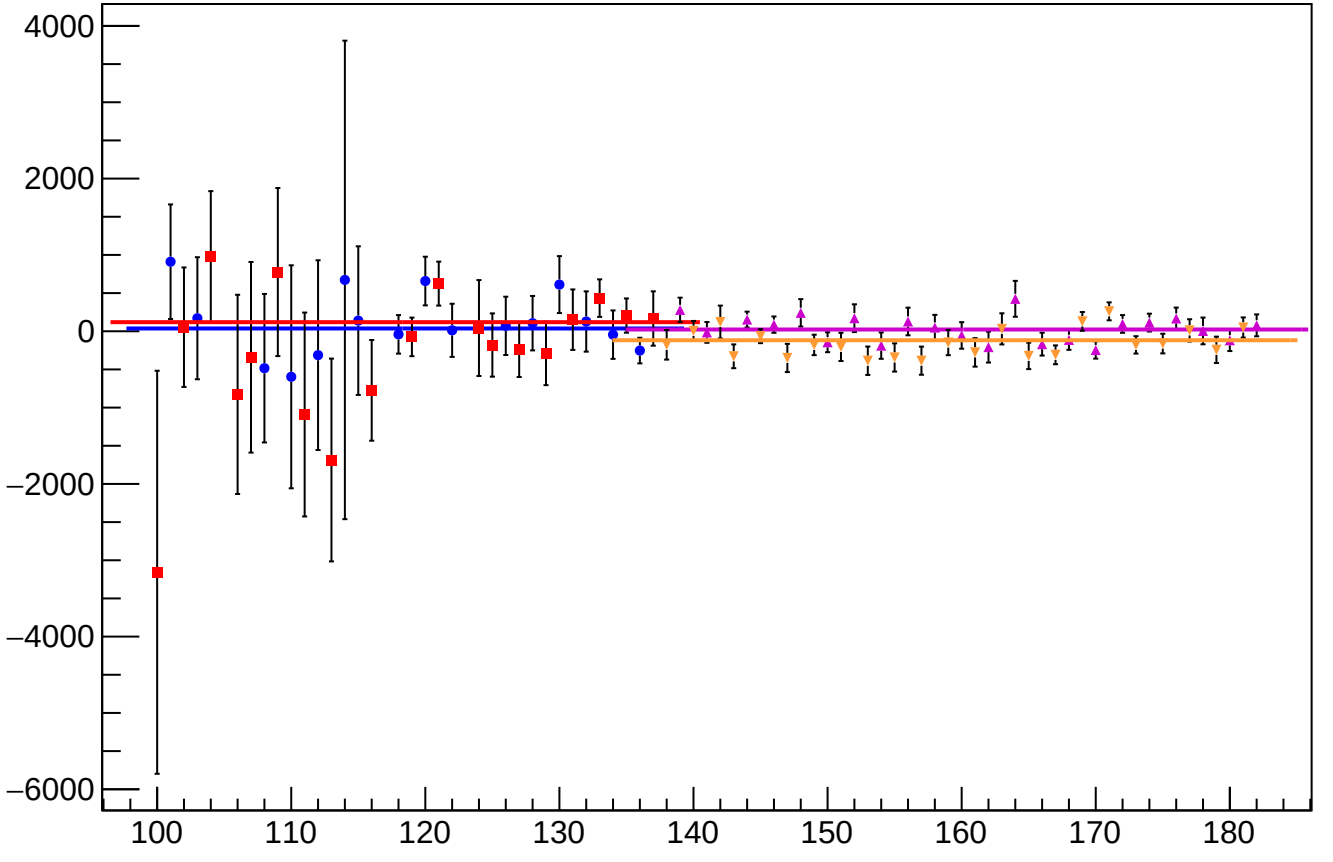
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 40.685+/-0.006 χ^2/NDF:2659397.3/37

Out: 40.731+/-0.006 χ^2/NDF:3137751.7/41

All: 40.708+/-0.004 χ^2/NDF: 5797179.2/79

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: -117.746+/-30.545 χ^2/NDF:34.9/22

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 23.107+/-30.434 χ^2/NDF:26.2/21

Left: -47.062+/-21.559 χ^2/NDF: 71.7/44

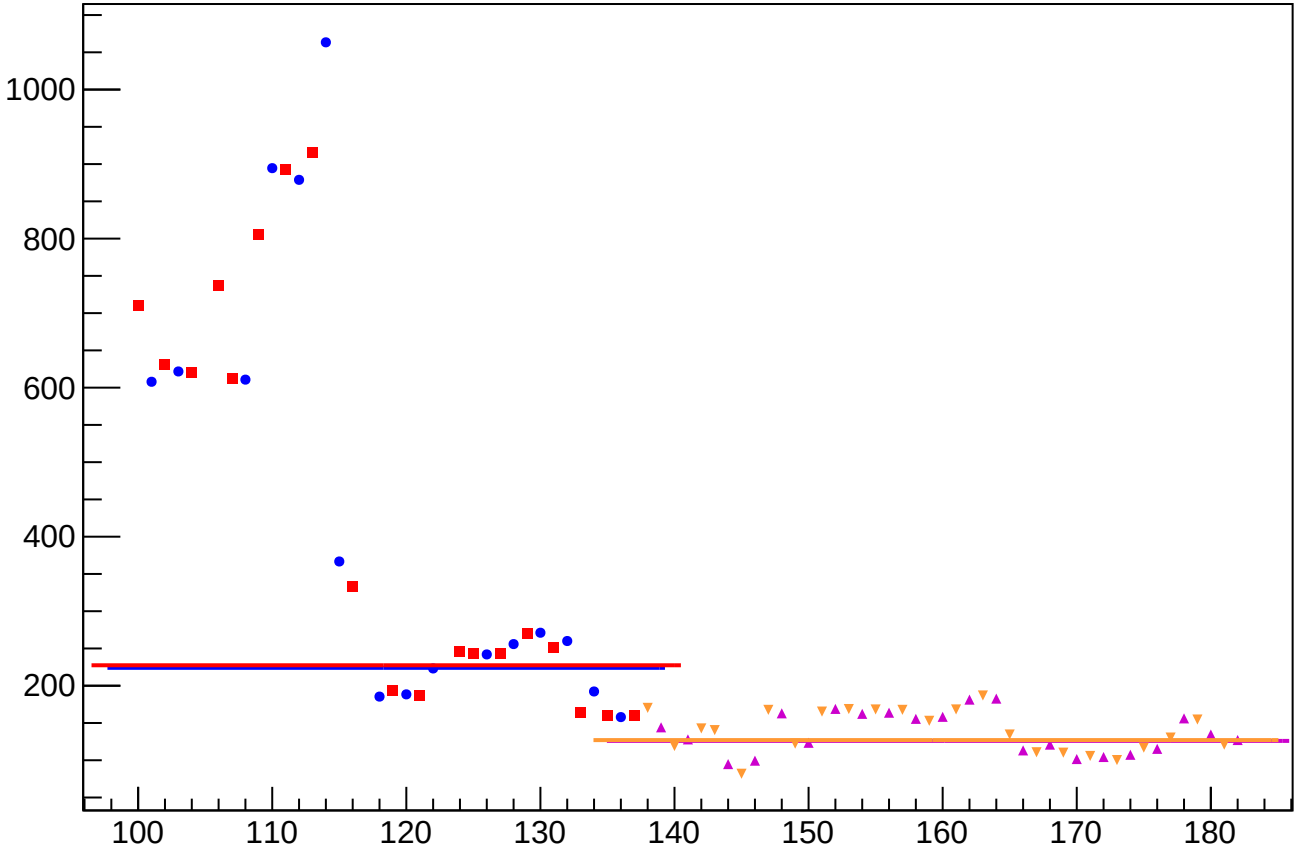
Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 24.372+/-28.941 χ^2/NDF:37.6/37

Out: -95.897+/-29.103 χ^2/NDF:56.5/41

All: -35.428+/-20.521 χ^2/NDF: 102.6/79

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 127.022+/-0.022 χ^2/NDF:1738855.4/22

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 125.964+/-0.022 χ^2/NDF:1410334.6/21

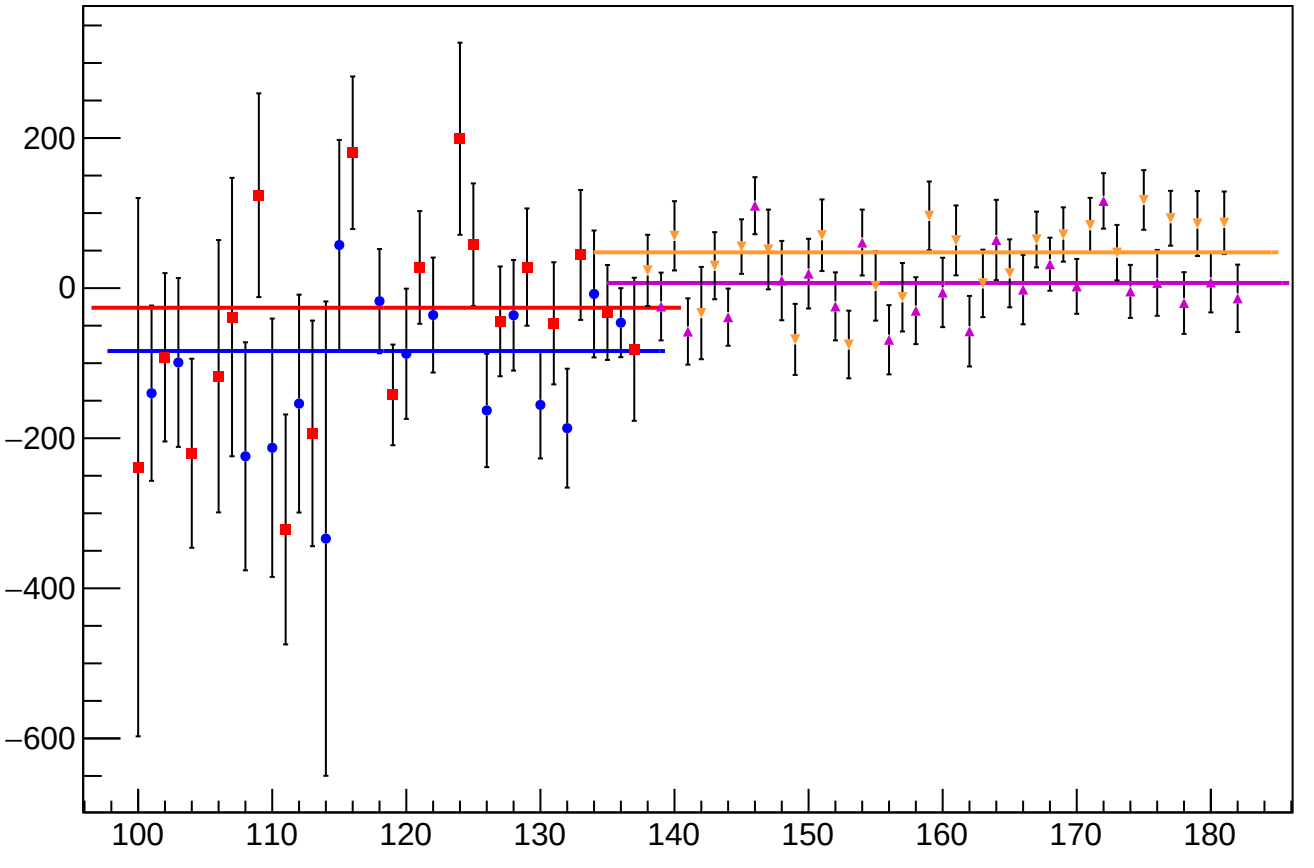
Left: 126.491+/-0.015 χ^2/NDF: 3150392.5/44

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 135.348+/-0.020 χ^2/NDF:6365775.3/37

Out: 136.283+/-0.021 χ^2/NDF:7373355.9/41

All: 135.813+/-0.015 χ^2/NDF: 13740168.9/79



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 47.675+/-8.942 χ^2/NDF:29.2/22

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 6.891+/-9.042 χ^2/NDF:29.9/21

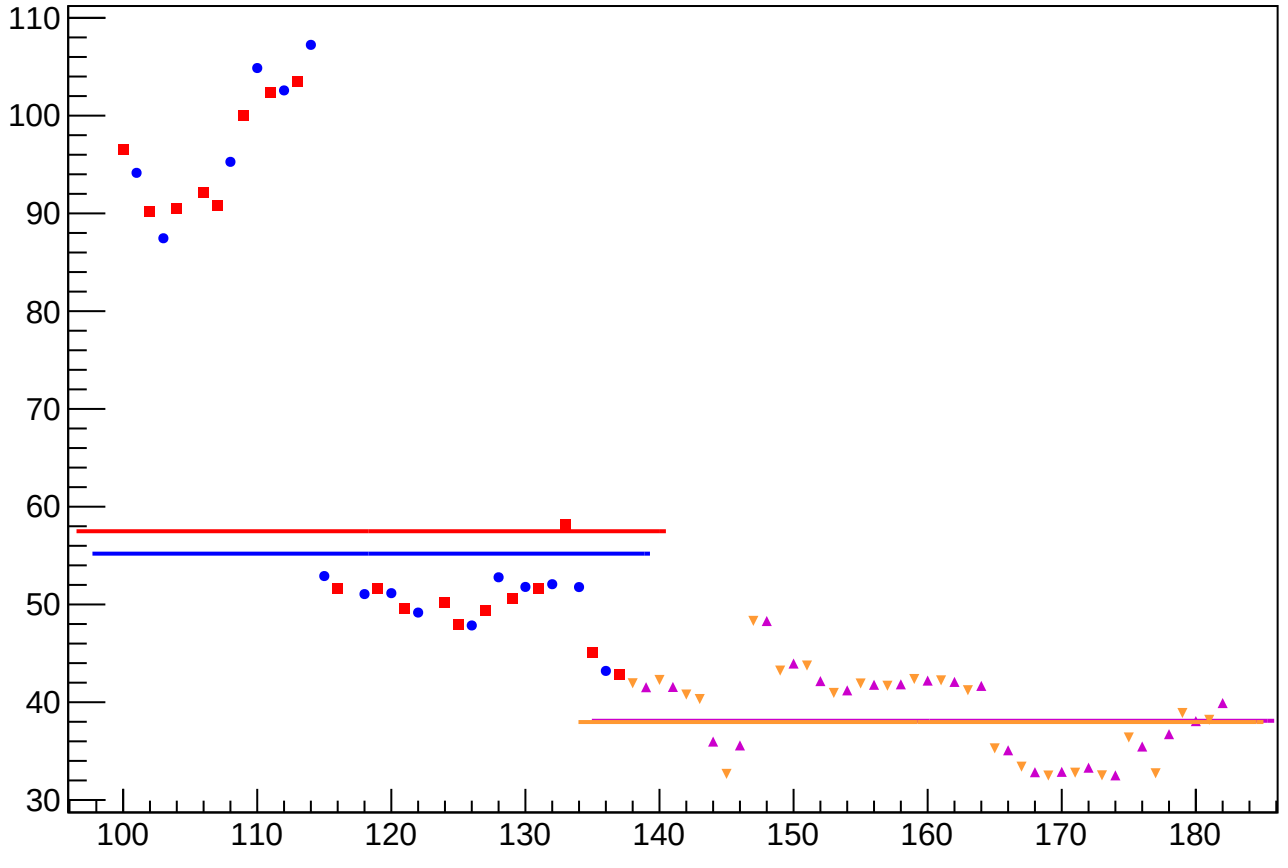
Left: 27.508+/-6.358 χ^2/NDF: 69.4/44

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -6.809+/-8.331 χ^2/NDF:55.7/37

Out: 37.265+/-8.288 χ^2/NDF:61.7/41

All: 15.342+/-5.876 χ^2/NDF: 131.4/79



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.974+/-0.006 χ^2/NDF:508211.7/22

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.102+/-0.006 χ^2/NDF:426794.3/21

Left: 38.037+/-0.004 χ^2/NDF: 935211.3/44

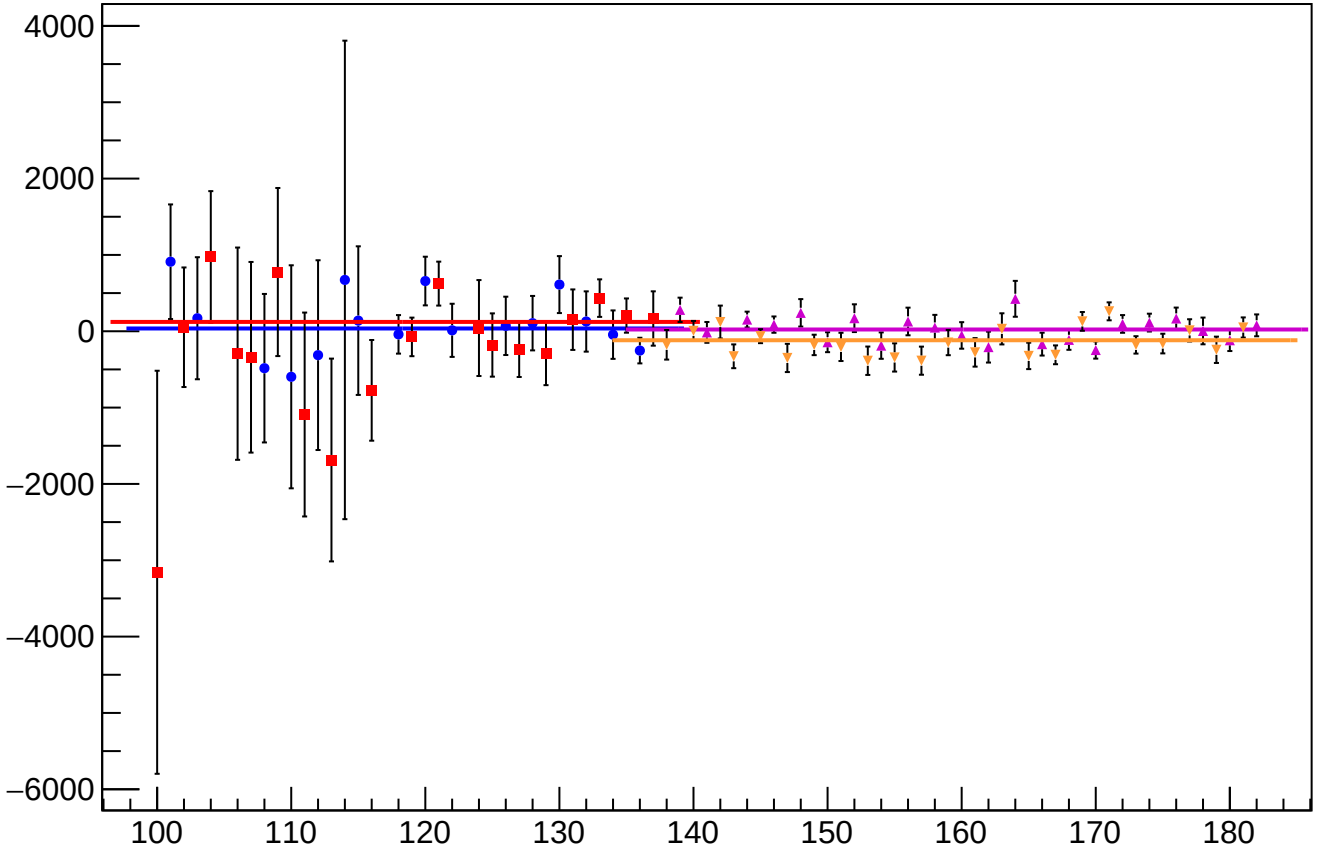
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 40.685+/-0.006 χ^2/NDF:2659397.5/37

Out: 40.726+/-0.006 χ^2/NDF:3126145.0/41

All: 40.706+/-0.004 χ^2/NDF: 5785567.0/79

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -117.747+/-30.545 χ^2/NDF:34.9/22

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 23.108+/-30.434 χ^2/NDF:26.2/21

Left: -47.062+/-21.559 χ^2/NDF: 71.7/44

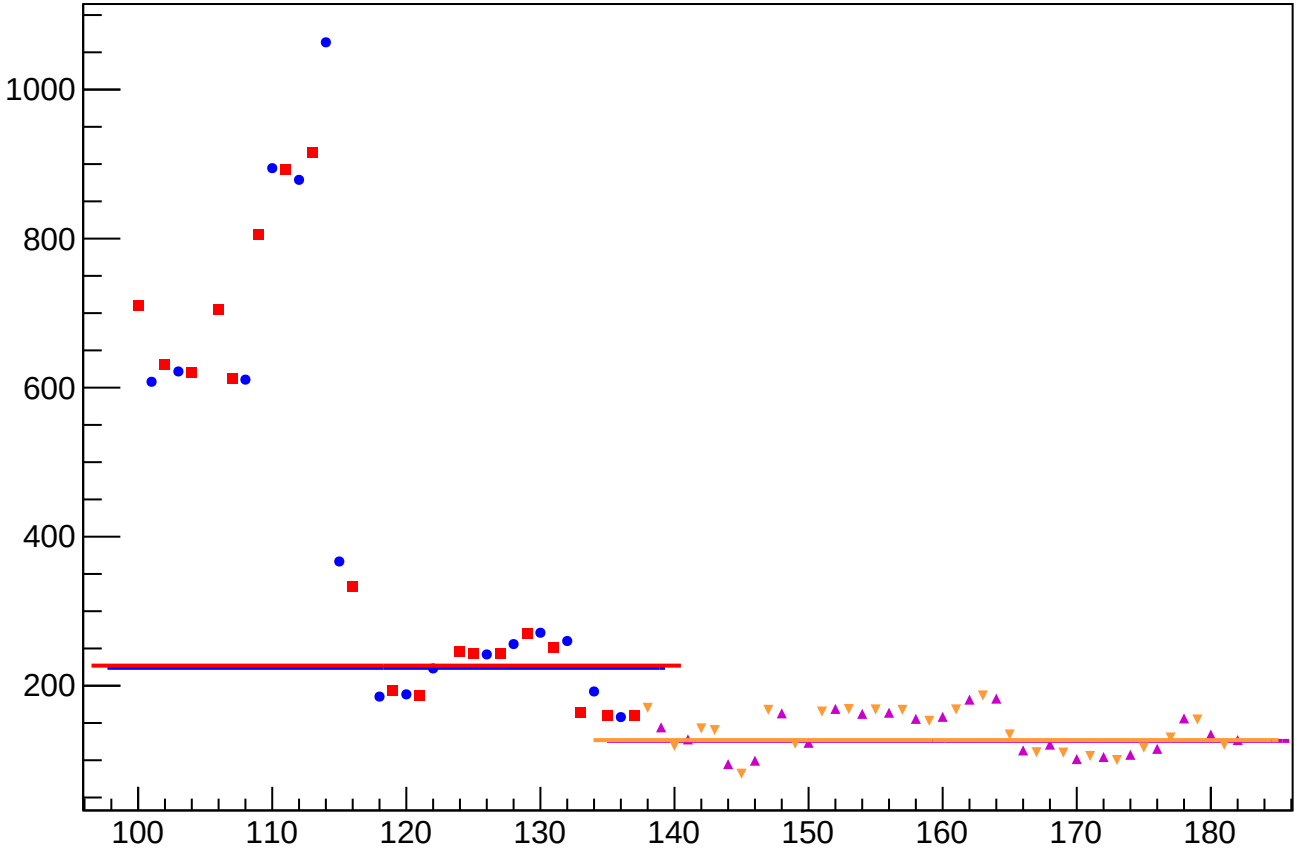
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 24.373+/-28.941 χ^2/NDF:37.6/37

Out: -95.623+/-29.104 χ^2/NDF:56.2/41

All: -35.290+/-20.522 χ^2/NDF: 102.3/79

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 127.022+/-0.022 χ^2/NDF:1738851.7/22

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 125.964+/-0.022 χ^2/NDF:1410342.9/21

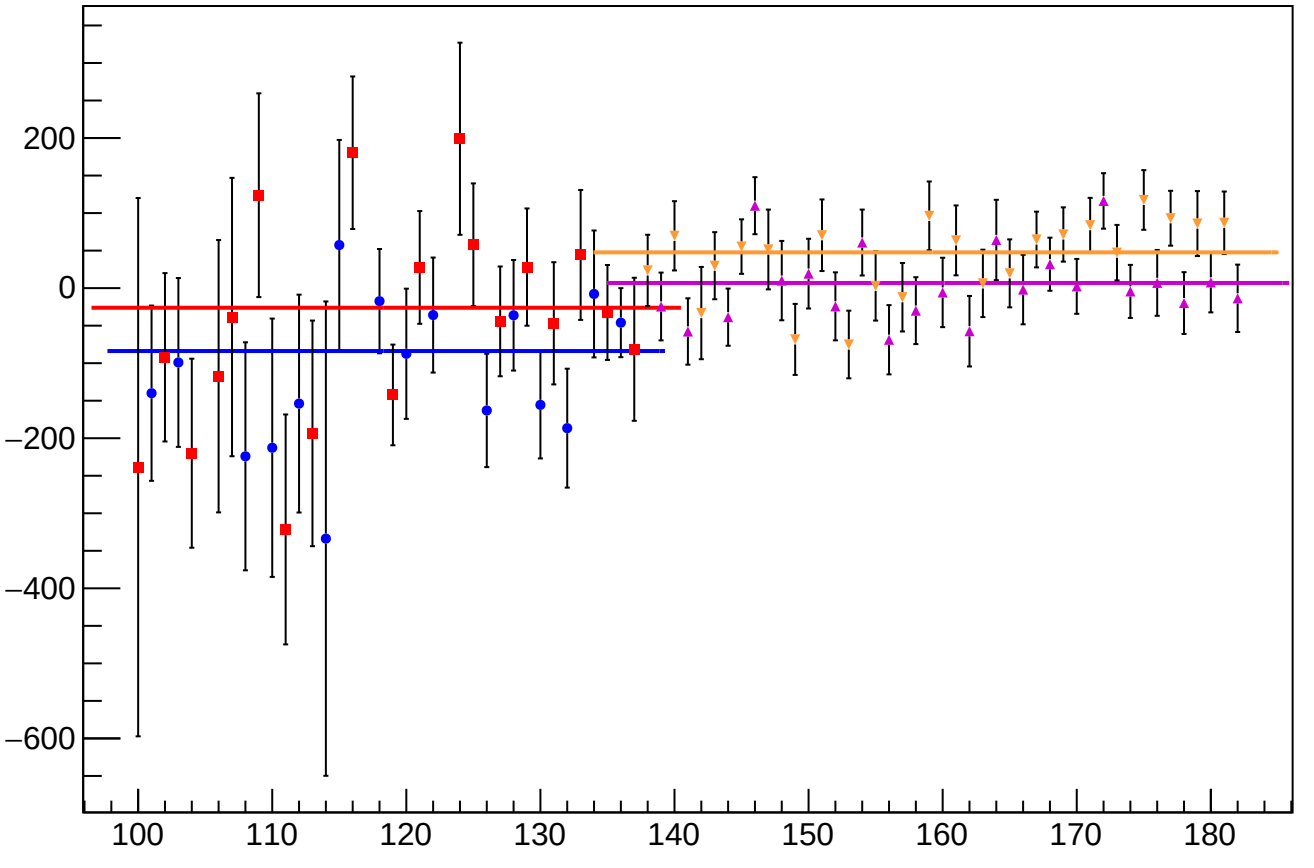
Left: 126.491+/-0.015 χ^2/NDF: 3150397.3/44

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.348+/-0.020 χ^2/NDF:6365794.9/37

Out: 136.234+/-0.021 χ^2/NDF:7284485.7/41

All: 135.789+/-0.015 χ^2/NDF: 13651211.0/79



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 47.675+/-8.942 χ^2/NDF:29.2/22

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 6.891+/-9.042 χ^2/NDF:29.9/21

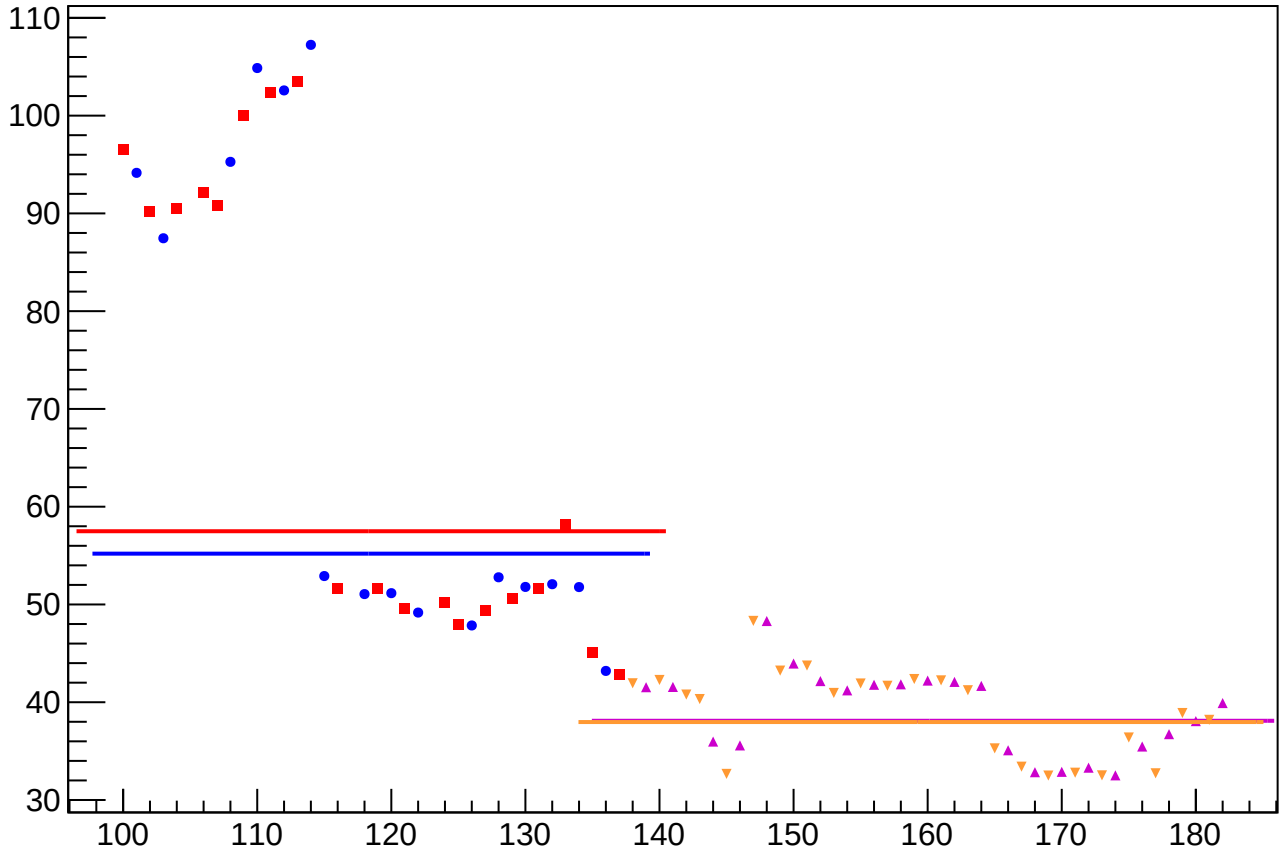
Left: 27.508+/-6.358 χ^2/NDF: 69.4/44

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -6.809+/-8.331 χ^2/NDF:55.7/37

Out: 37.265+/-8.288 χ^2/NDF:61.7/41

All: 15.342+/-5.876 χ^2/NDF: 131.4/79



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.974+/-0.006 χ^2/NDF:508211.7/22

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.102+/-0.006 χ^2/NDF:426794.3/21

Left: 38.037+/-0.004 χ^2/NDF: 935211.3/44

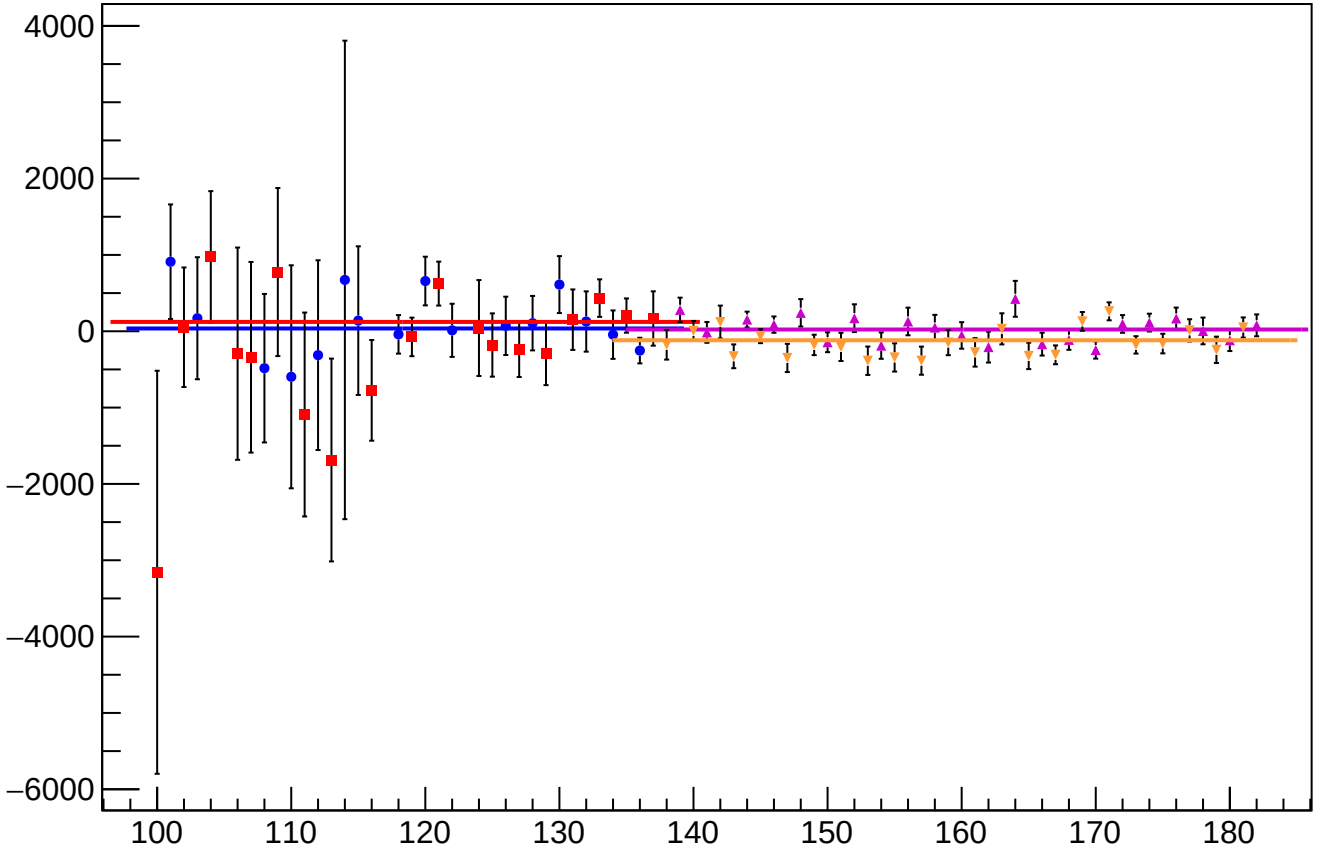
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 40.685+/-0.006 χ^2/NDF:2659397.5/37

Out: 40.726+/-0.006 χ^2/NDF:3126145.0/41

All: 40.706+/-0.004 χ^2/NDF: 5785567.0/79

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: -117.747+/-30.545 χ^2/NDF:34.9/22

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 23.108+/-30.434 χ^2/NDF:26.2/21

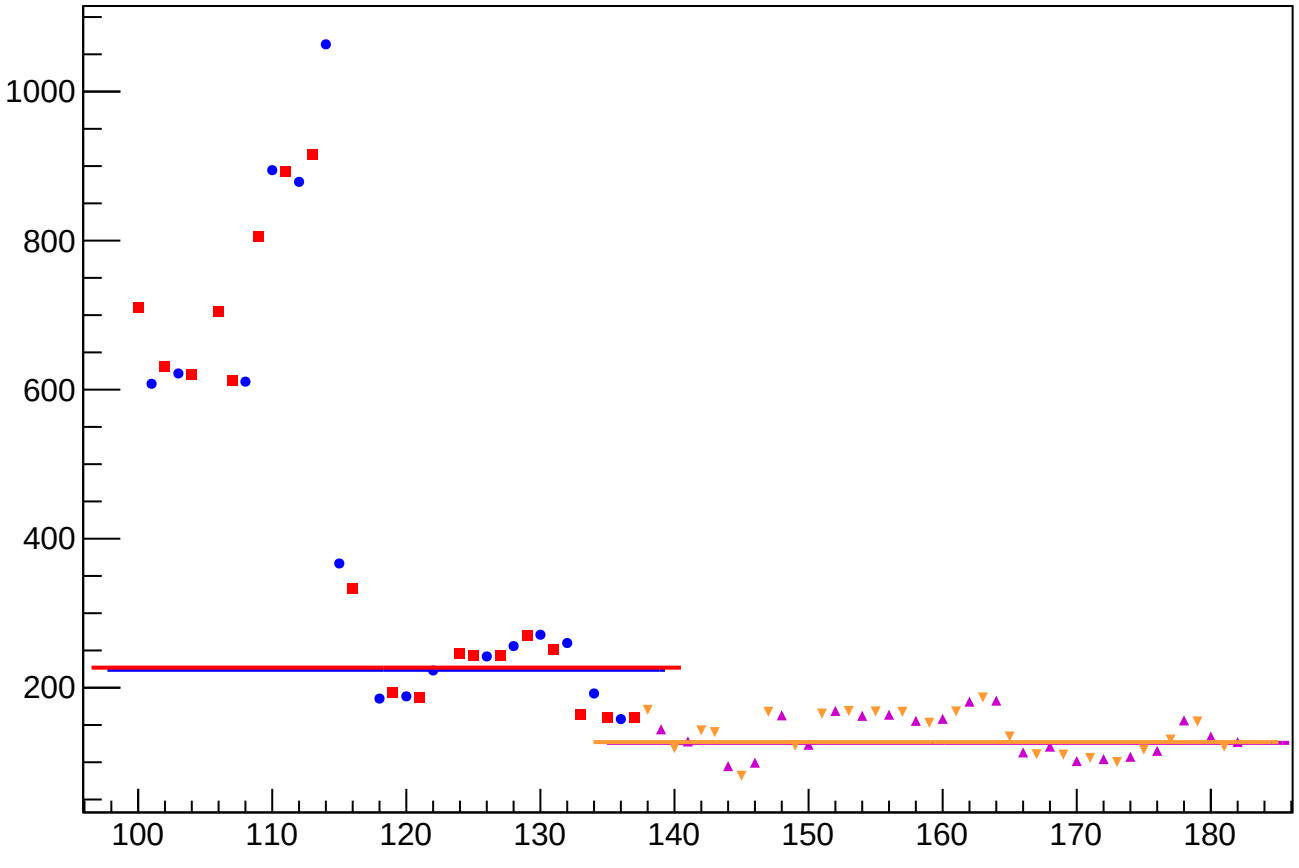
Left: -47.062+/-21.559 χ^2/NDF: 71.7/44

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 24.373+/-28.941 χ^2/NDF:37.6/37

Out: -95.623+/-29.104 χ^2/NDF:56.2/41

All: -35.290+/-20.522 χ^2/NDF: 102.3/79



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 127.022+/-0.022 χ^2/NDF:1738851.7/22

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 125.964+/-0.022 χ^2/NDF:1410342.9/21

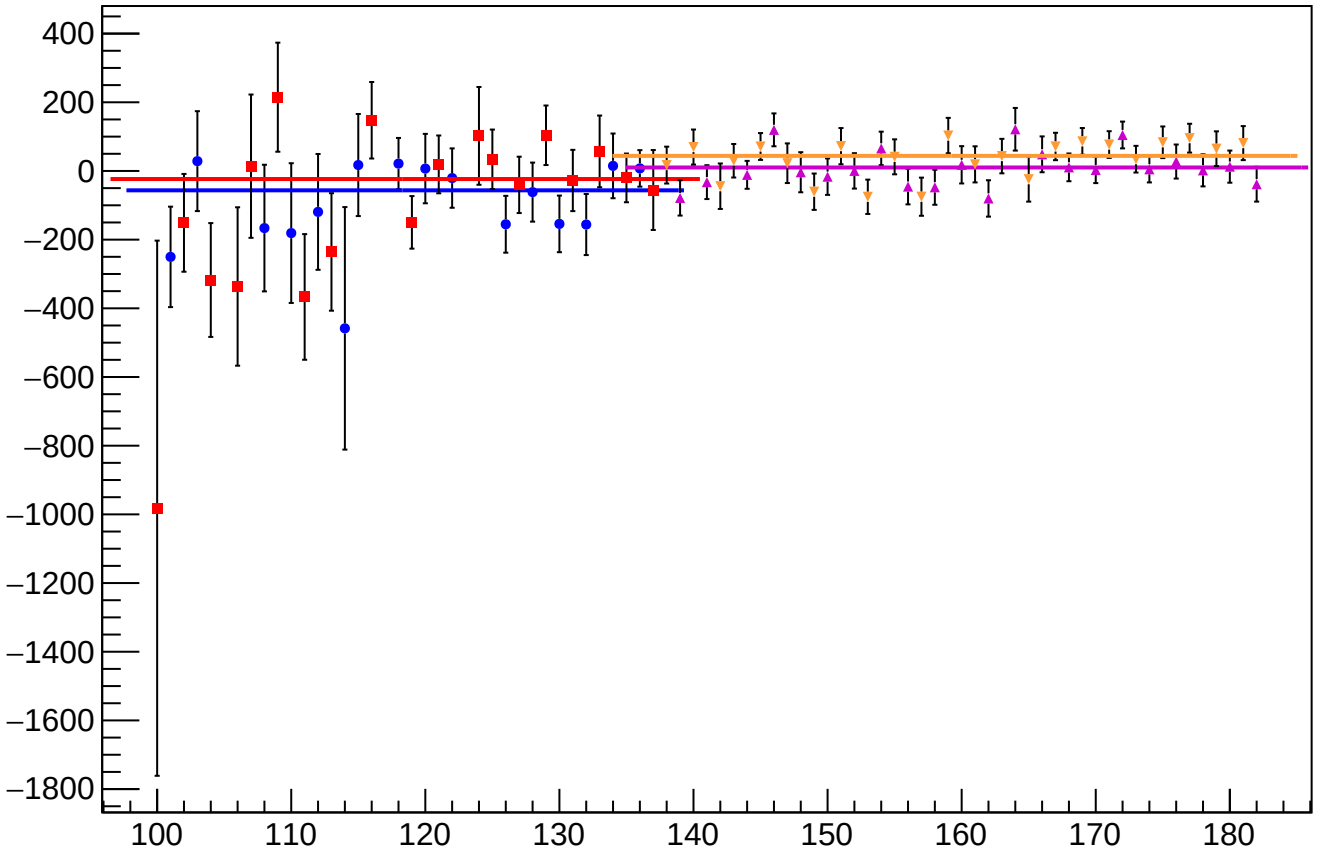
Left: 126.491+/-0.015 χ^2/NDF: 3150397.3/44

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.348+/-0.020 χ^2/NDF:6365794.9/37

Out: 136.234+/-0.021 χ^2/NDF:7284485.7/41

All: 135.789+/-0.015 χ^2/NDF: 13651211.0/79



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 43.965+/-10.011 χ^2/NDF:25.5/22

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 10.113+/-10.153 χ^2/NDF:27.0/21

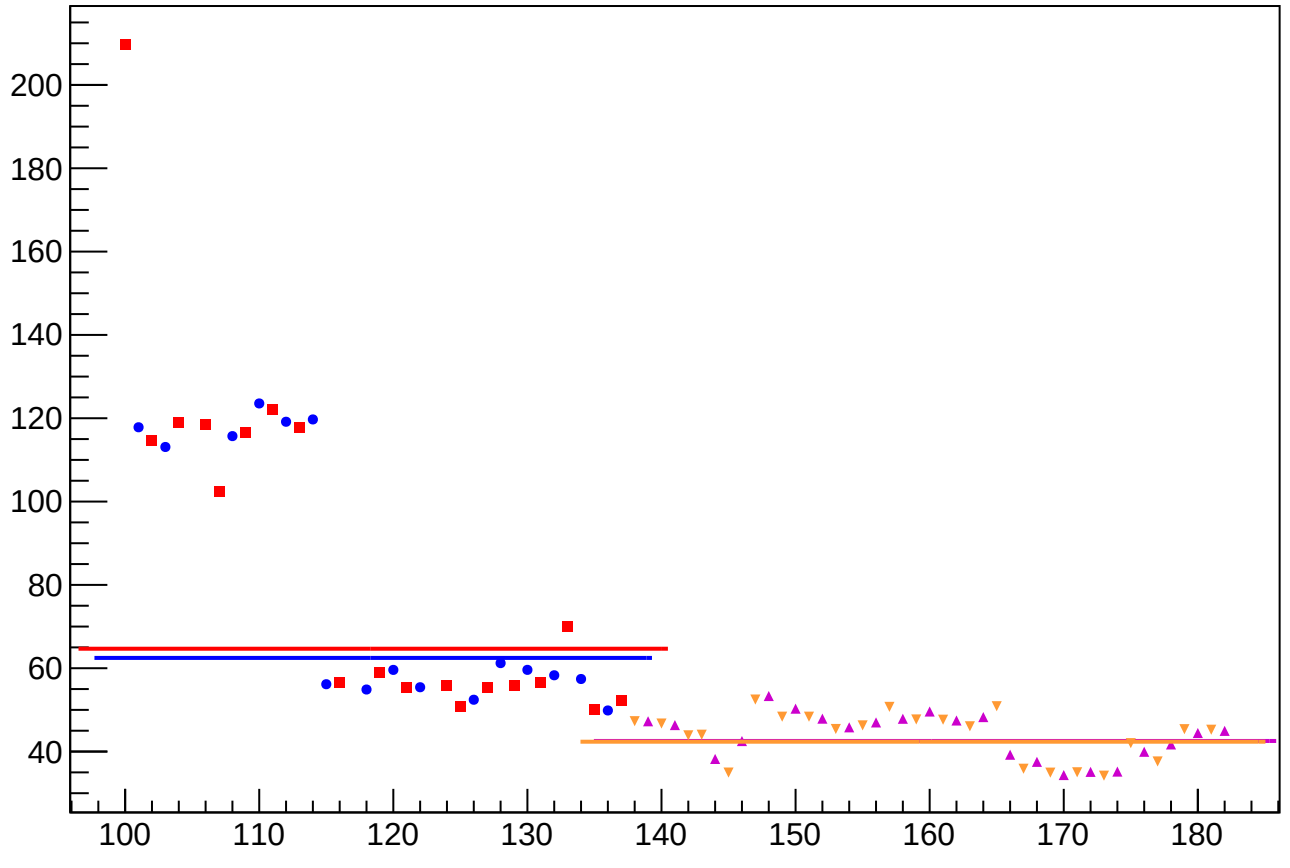
Left: 27.277+/-7.128 χ^2/NDF: 58.1/44

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: 0.356+/-9.379 χ^2/NDF:45.5/37

Out: 34.746+/-9.301 χ^2/NDF:55.8/41

All: 17.692+/-6.604 χ^2/NDF: 108.1/79



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.363+/-0.007 χ^2/NDF:695383.5/22

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 42.541+/-0.007 χ^2/NDF:587986.8/21

Left: 42.450+/-0.005 χ^2/NDF: 1283682.7/44

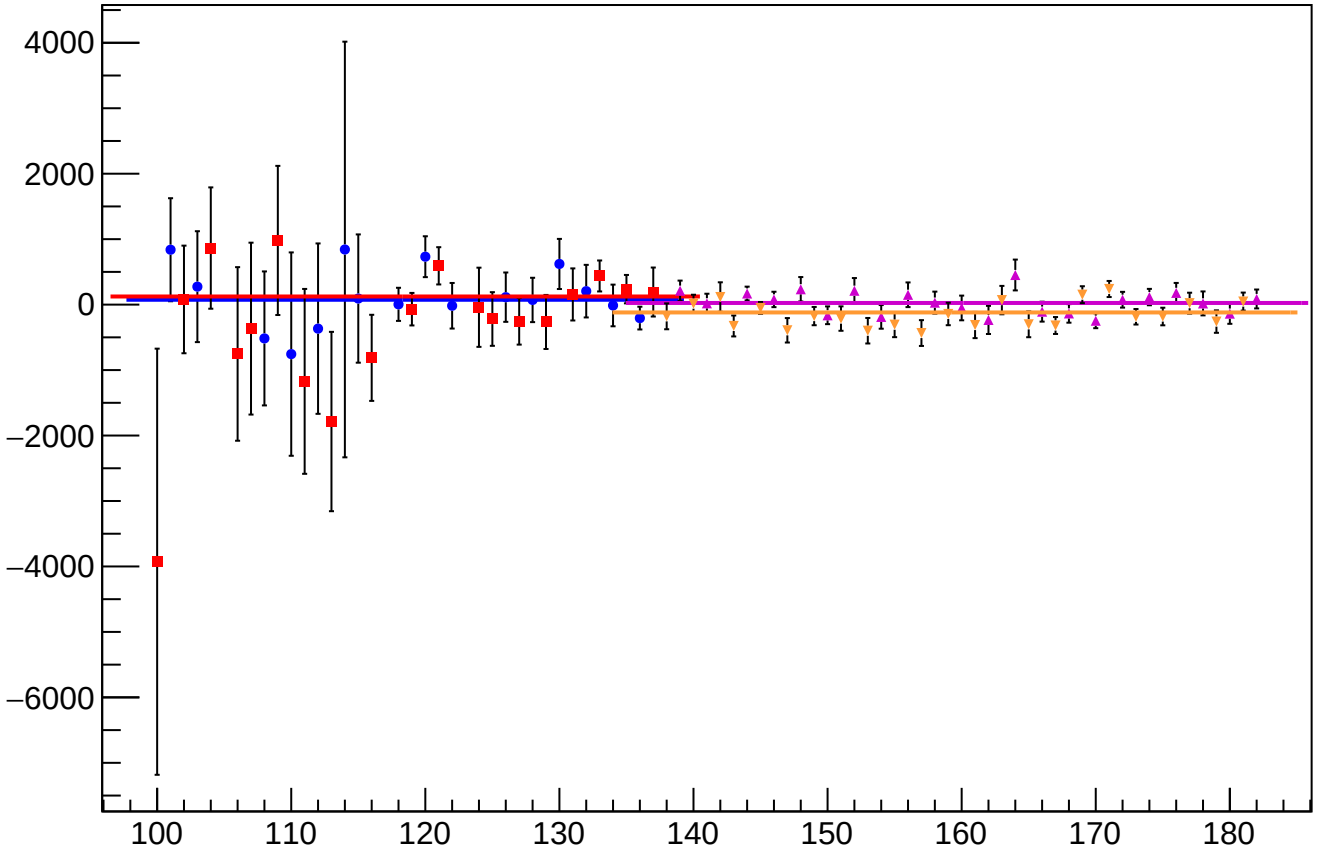
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 45.464+/-0.007 χ^2/NDF:3066982.3/37

Out: 45.413+/-0.007 χ^2/NDF:3644366.0/41

All: 45.438+/-0.005 χ^2/NDF: 6711378.9/79

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -119.470+/-31.714 χ^2/NDF:33.8/22

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 25.338+/-31.794 χ^2/NDF:25.1/21

Left: -47.249+/-22.453 χ^2/NDF: 69.3/44

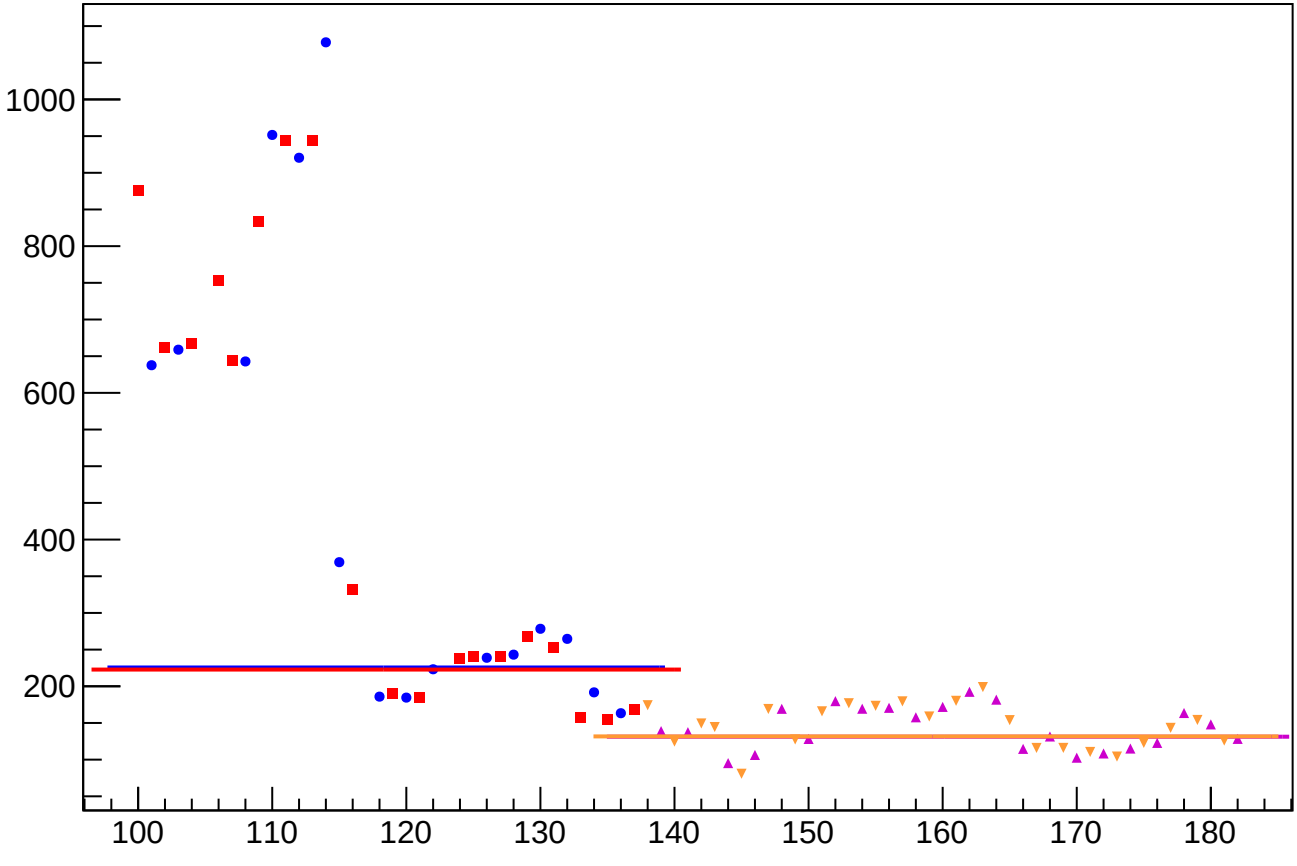
Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 30.317+/-30.134 χ^2/NDF:36.5/37

Out: -94.882+/-30.071 χ^2/NDF:56.1/41

All: -32.413+/-21.286 χ^2/NDF: 101.3/79

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 131.666+/-0.022 χ^2/NDF:1899745.9/22

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 131.262+/-0.022 χ^2/NDF:1464293.5/21

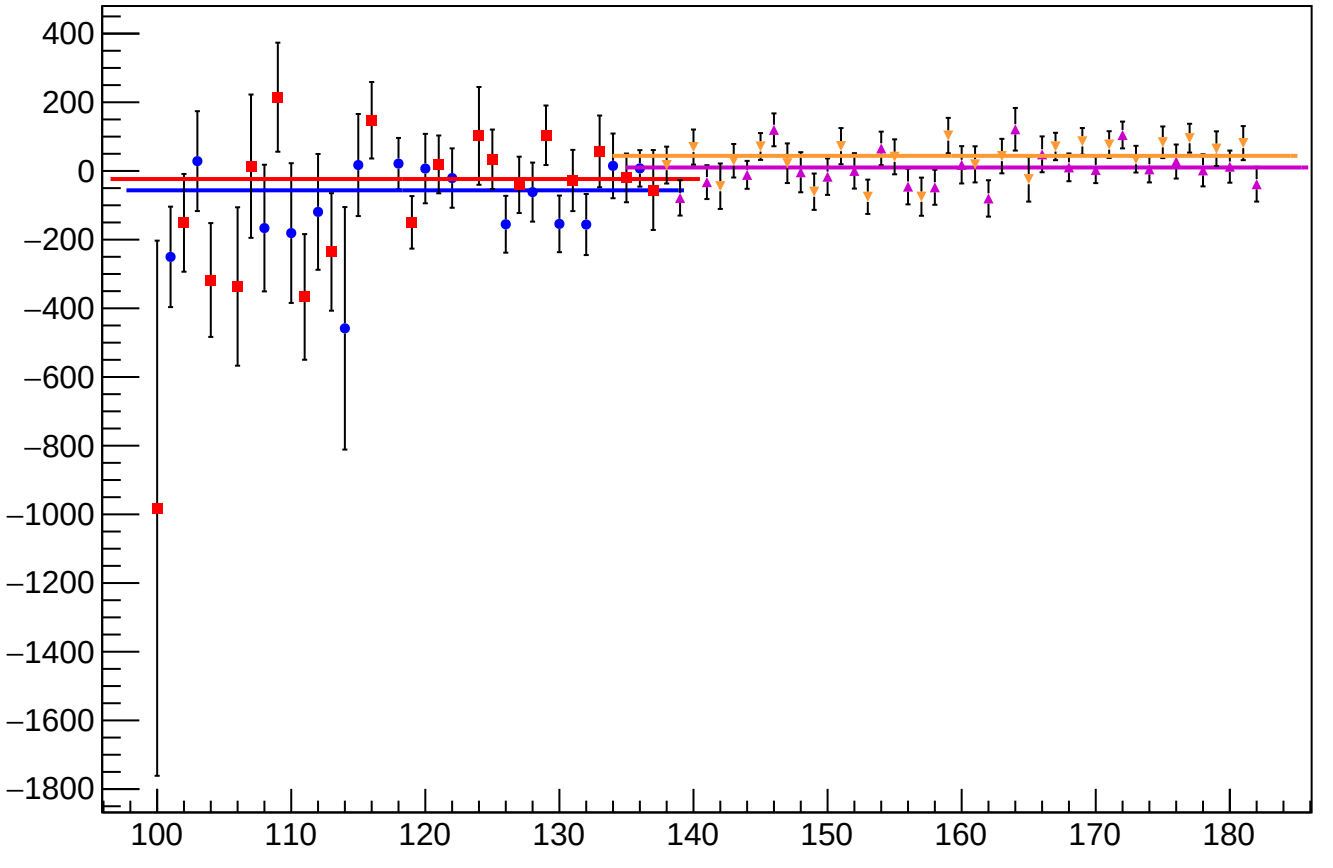
Left: 131.465+/-0.016 χ^2/NDF: 3364202.0/44

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 140.857+/-0.021 χ^2/NDF:6281595.8/37

Out: 140.861+/-0.021 χ^2/NDF:7413906.1/41

All: 140.859+/-0.015 χ^2/NDF: 13695501.9/79



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 43.966+/-10.011 χ^2/NDF:25.5/22

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 10.113+/-10.153 χ^2/NDF:27.0/21

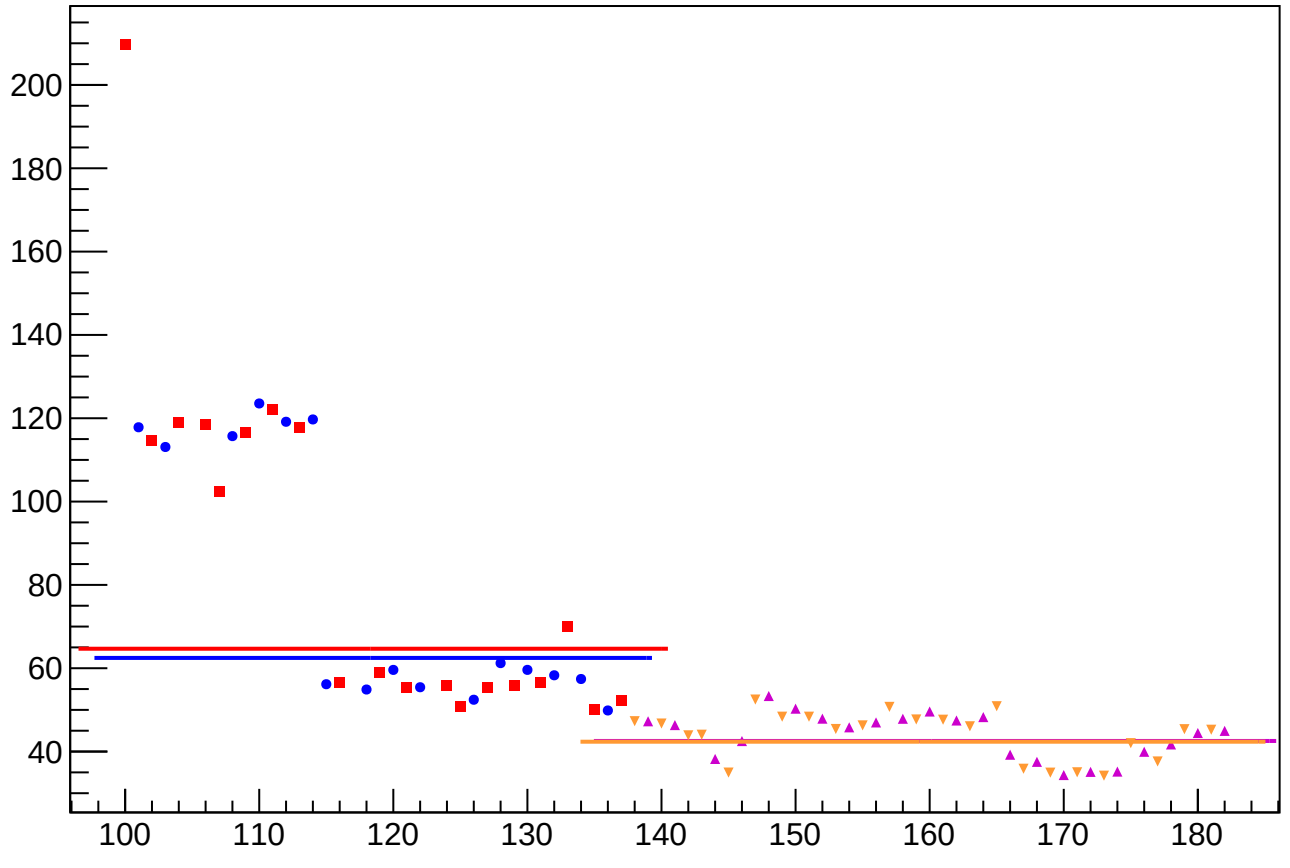
Left: 27.278+/-7.128 χ^2/NDF: 58.1/44

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: 0.355+/-9.379 χ^2/NDF:45.5/37

Out: 34.746+/-9.301 χ^2/NDF:55.8/41

All: 17.693+/-6.604 χ^2/NDF: 108.1/79



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.363+/-0.007 χ^2/NDF:695402.0/22

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.541+/-0.007 χ^2/NDF:587991.3/21

Left: 42.450+/-0.005 χ^2/NDF: 1283706.0/44

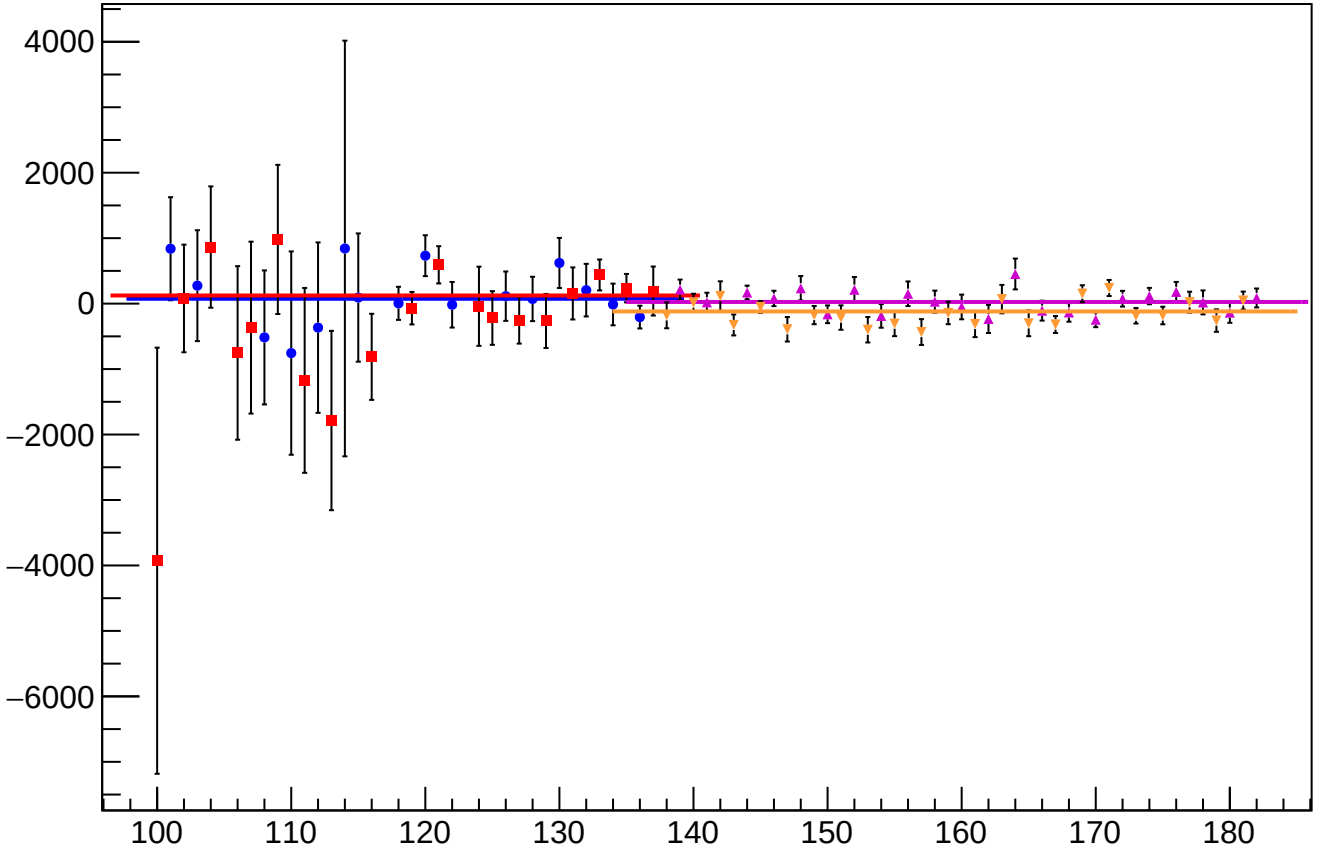
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 45.464+/-0.007 χ^2/NDF:3066916.7/37

Out: 45.413+/-0.007 χ^2/NDF:3644340.6/41

All: 45.438+/-0.005 χ^2/NDF: 6711288.0/79

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: -119.470+/-31.714 χ^2/NDF:33.8/22

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 25.338+/-31.794 χ^2/NDF:25.1/21

Left: -47.249+/-22.453 χ^2/NDF: 69.3/44

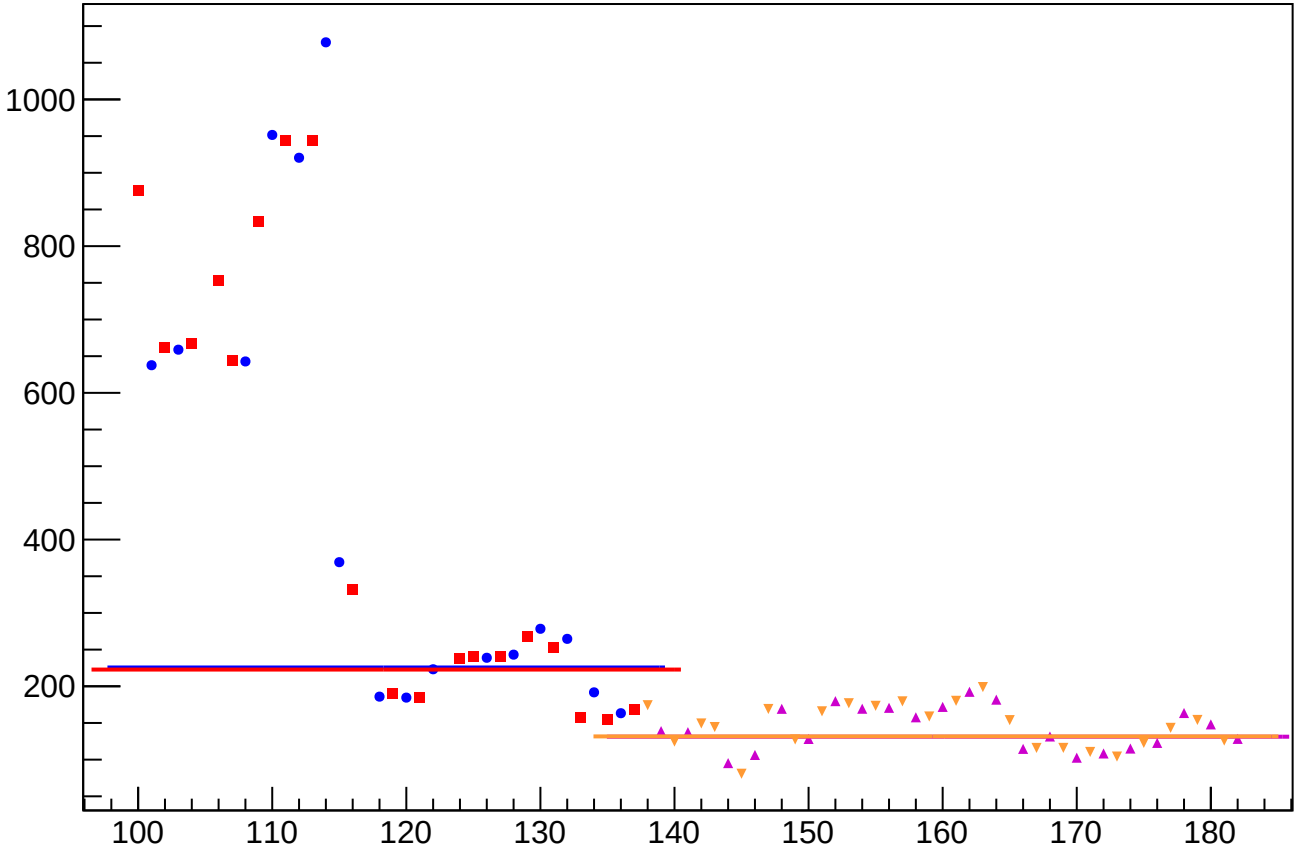
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 30.317+/-30.134 χ^2/NDF:36.5/37

Out: -94.882+/-30.071 χ^2/NDF:56.1/41

All: -32.413+/-21.286 χ^2/NDF: 101.3/79

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: 131.667+/-0.022 χ^2/NDF:1899738.3/22

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 131.262+/-0.022 χ^2/NDF:1464297.0/21

Left: 131.465+/-0.016 χ^2/NDF: 3364197.9/44

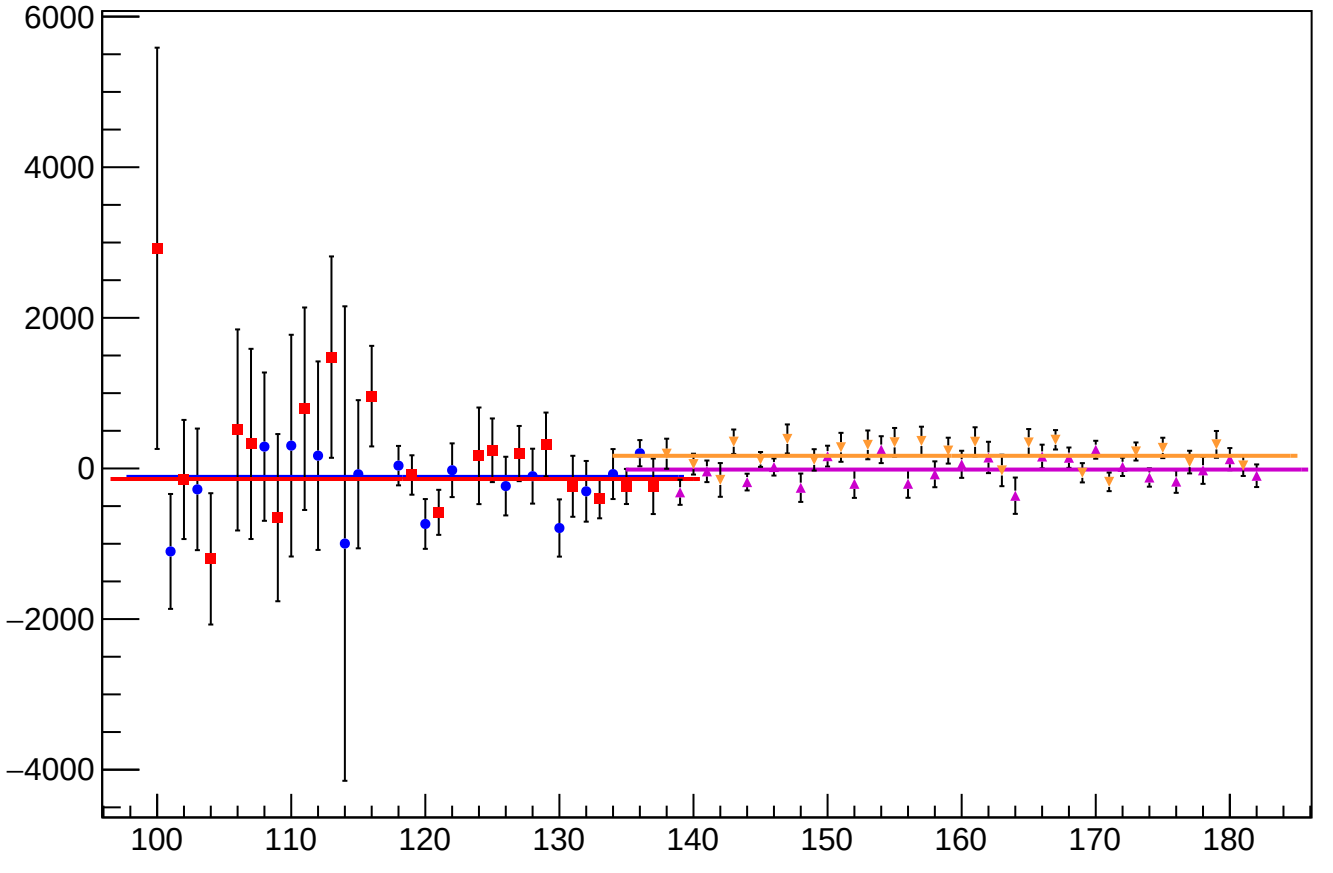
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 140.857+/-0.021 χ^2/NDF:6281580.0/37

Out: 140.861+/-0.021 χ^2/NDF:7413882.6/41

All: 140.859+/-0.015 χ^2/NDF: 13695462.6/79

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 168.114+/-31.974 χ^2/NDF:28.0/22

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -14.649+/-31.882 χ^2/NDF:26.7/21

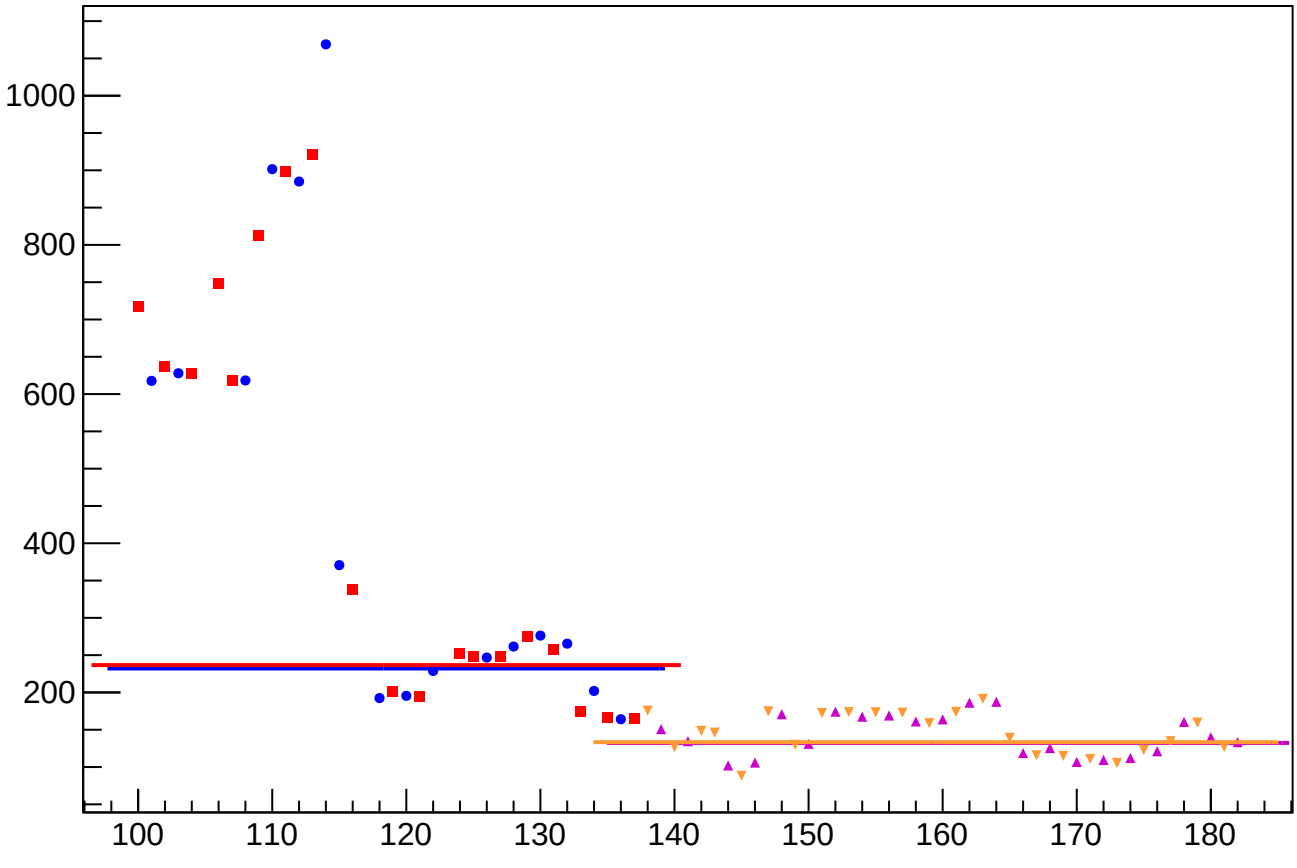
Left: 76.469+/-22.576 χ^2/NDF: 71.1/44

Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -24.212+/-30.274 χ^2/NDF:40.5/37

Out: 139.106+/-30.431 χ^2/NDF:51.4/41

All: 57.024+/-21.462 χ^2/NDF: 106.4/79



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 133.352+/-0.023 χ^2/NDF:1573905.5/22

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 132.295+/-0.023 χ^2/NDF:1277495.5/21

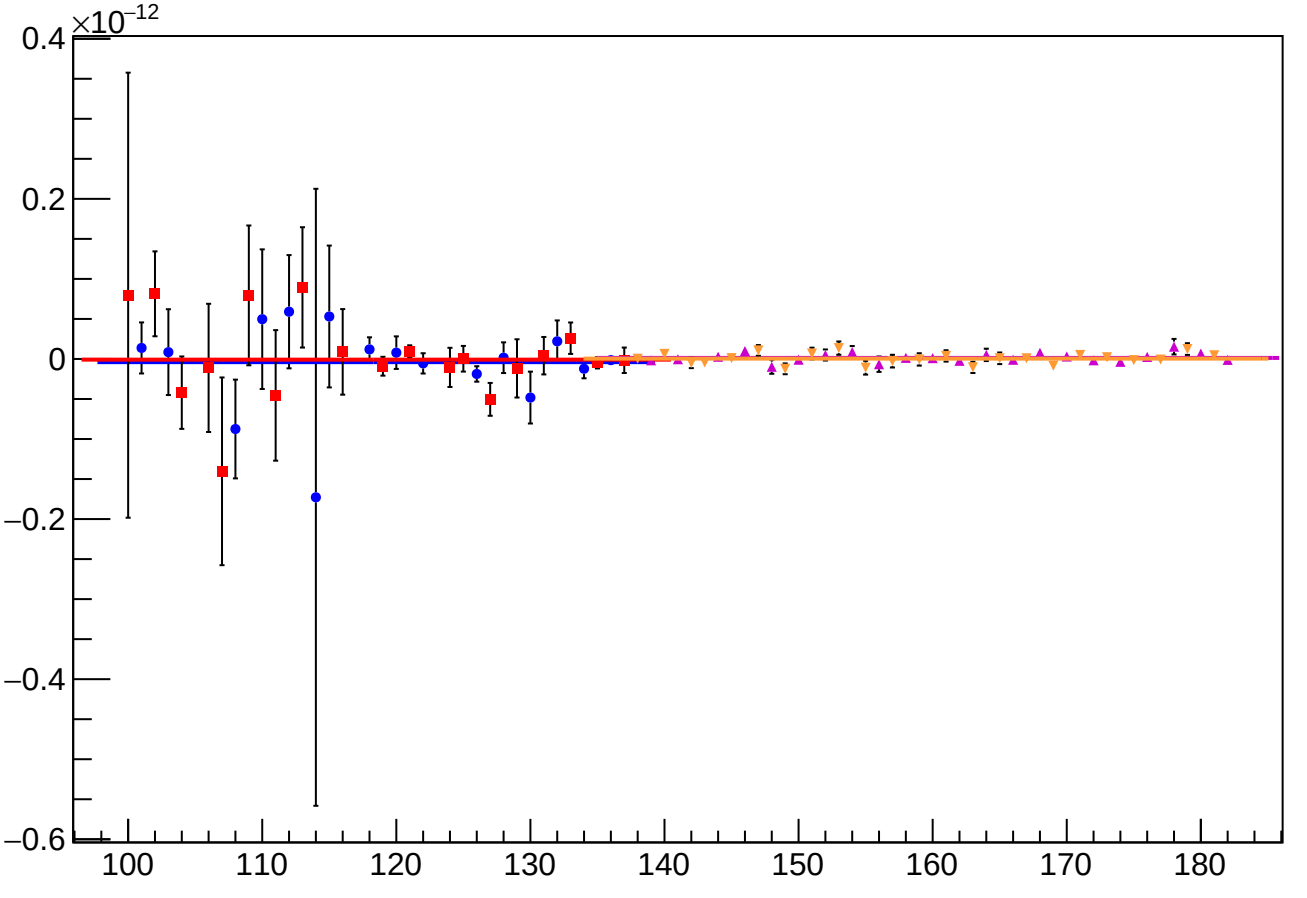
Left: 132.822+/-0.016 χ^2/NDF: 2852497.2/44

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 142.108+/-0.021 χ^2/NDF:6090263.1/37

Out: 143.078+/-0.022 χ^2/NDF:7060324.0/41

All: 142.590+/-0.015 χ^2/NDF: 13151607.7/79



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/22

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/21

Left: 0.000+/-0.000 χ^2/NDF: 41.7/44

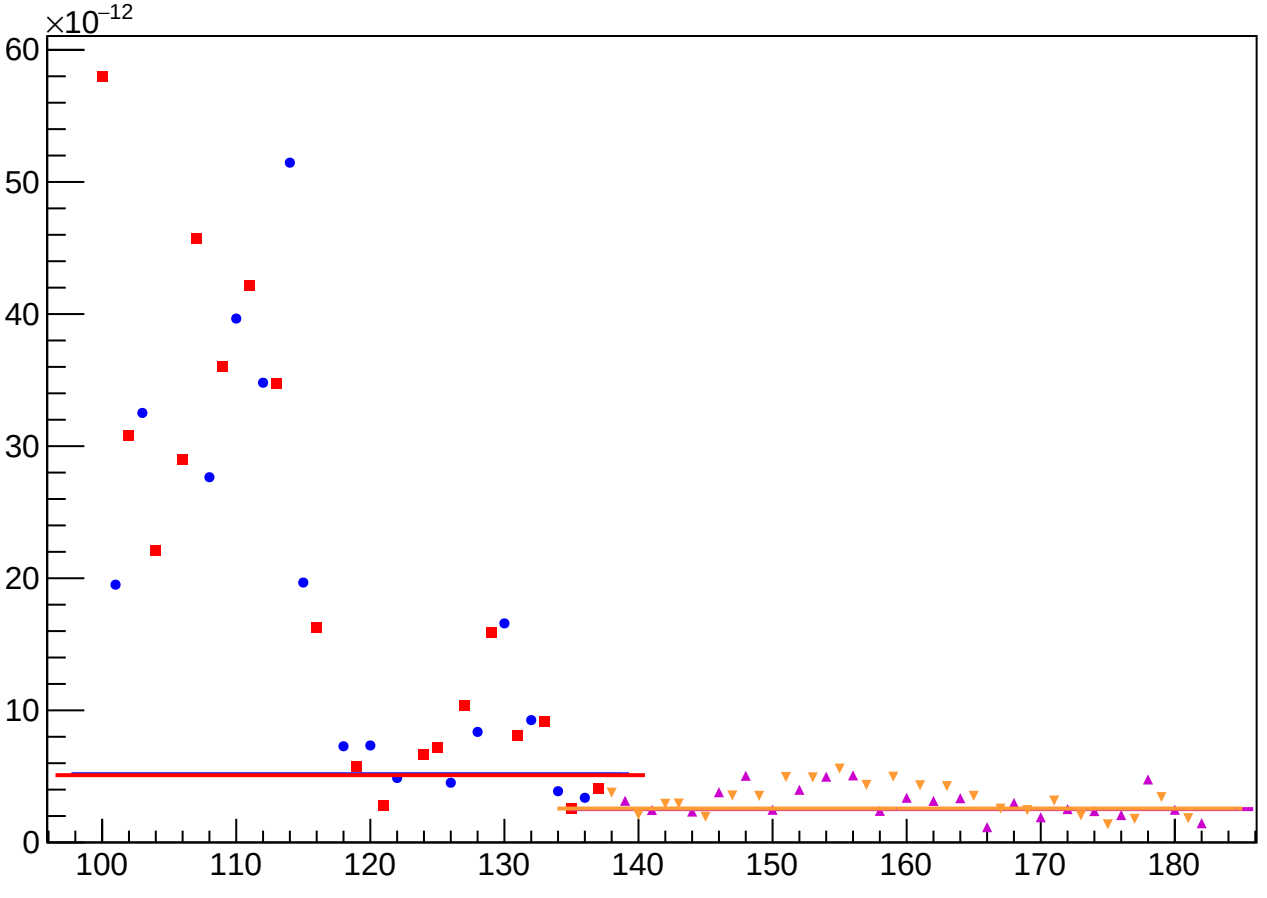
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:28.2/37

Out: 0.000+/-0.000 χ^2/NDF:44.7/41

All: 0.000+/-0.000 χ^2/NDF: 73.0/79

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:2150810.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1517519.7/21

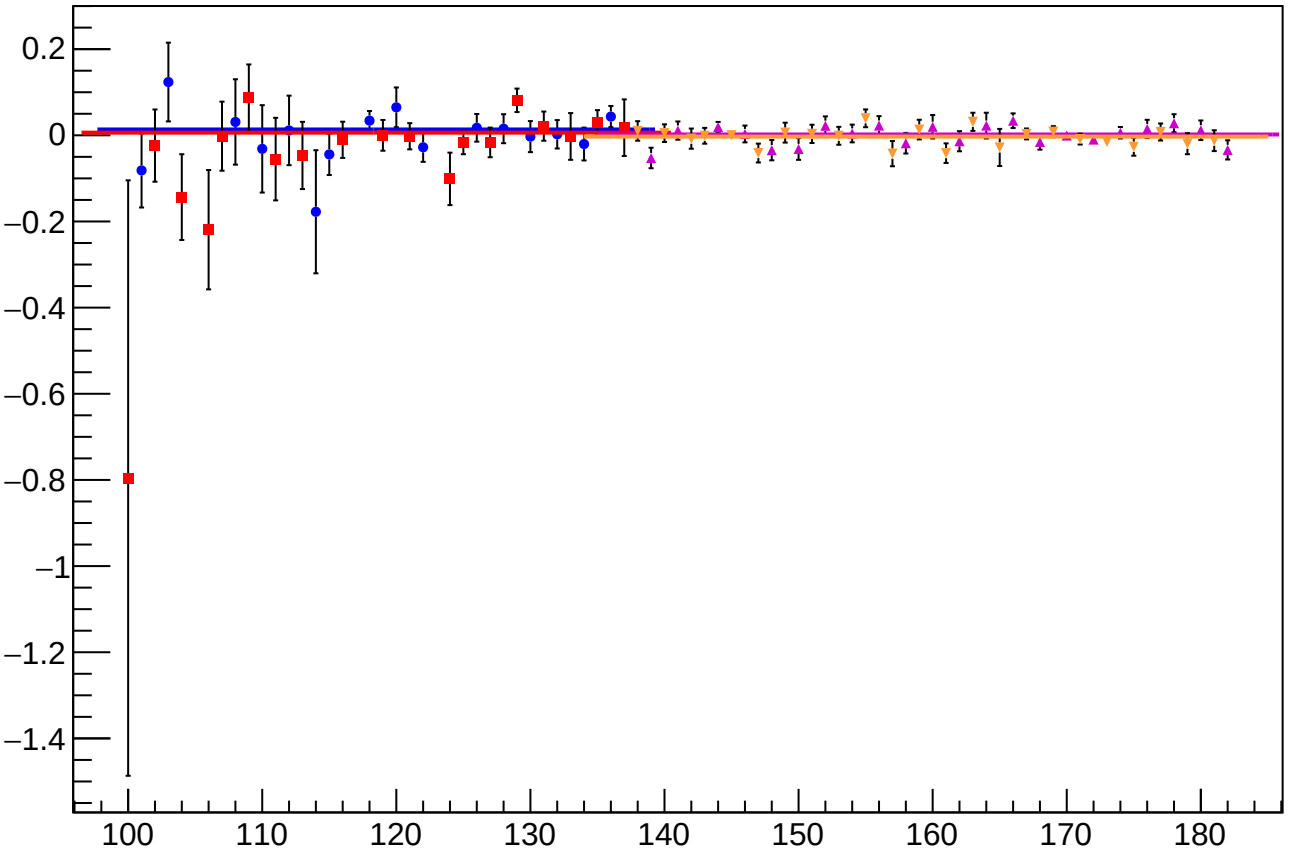
Left: 0.000+/-0.000 χ^2/NDF: 3670050.5/44

Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:5090204.6/37

Out: 0.000+/-0.000 χ^2/NDF:6151702.5/41

All: 0.000+/-0.000 χ^2/NDF: 11241913.7/79



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.9/22

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.004 χ^2/NDF:26.1/21

Left: -0.001+/-0.003 χ^2/NDF: 47.9/44

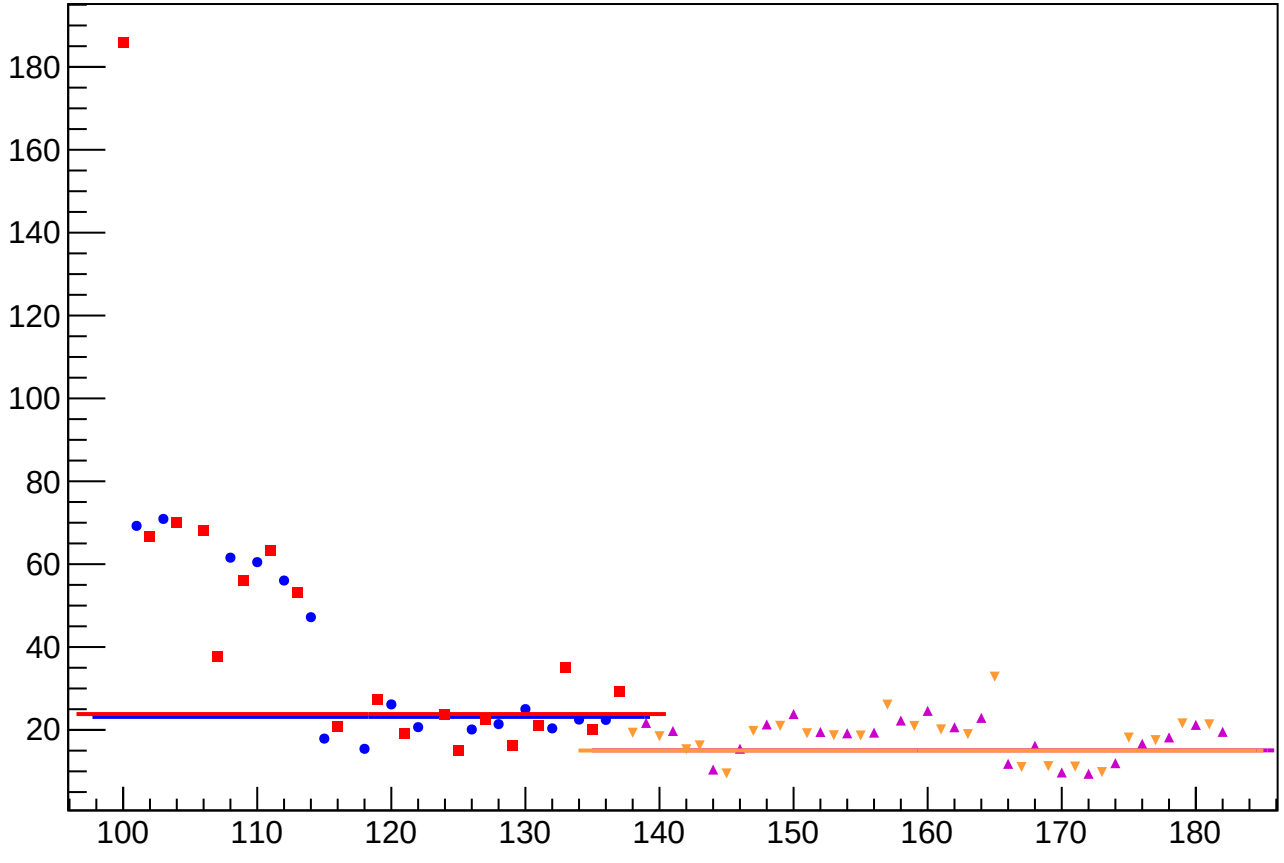
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:39.7/37

Out: -0.002+/-0.004 χ^2/NDF:43.1/41

All: 0.001+/-0.003 χ^2/NDF: 83.9/79

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.027+/-0.003 χ^2/NDF:3317649.1/22

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.064+/-0.003 χ^2/NDF:3368192.9/21

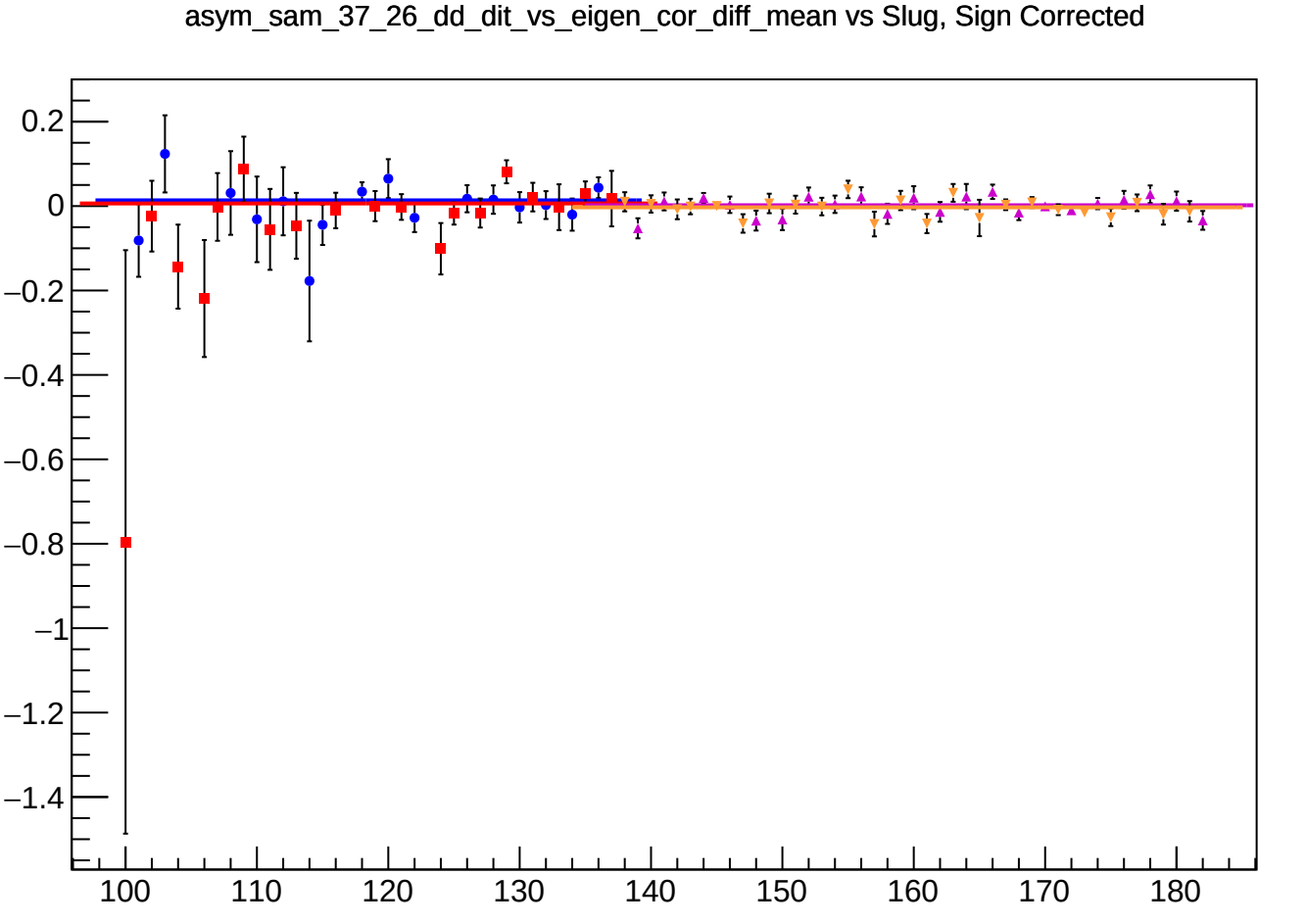
Left: 15.045+/-0.002 χ^2/NDF: 6685937.9/44

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 16.134+/-0.003 χ^2/NDF:6943331.3/37

Out: 16.111+/-0.002 χ^2/NDF:7555797.4/41

All: 16.122+/-0.002 χ^2/NDF: 14499172.1/79



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.9/22

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.004 χ^2/NDF:26.1/21

Left: -0.001+/-0.003 χ^2/NDF: 47.9/44

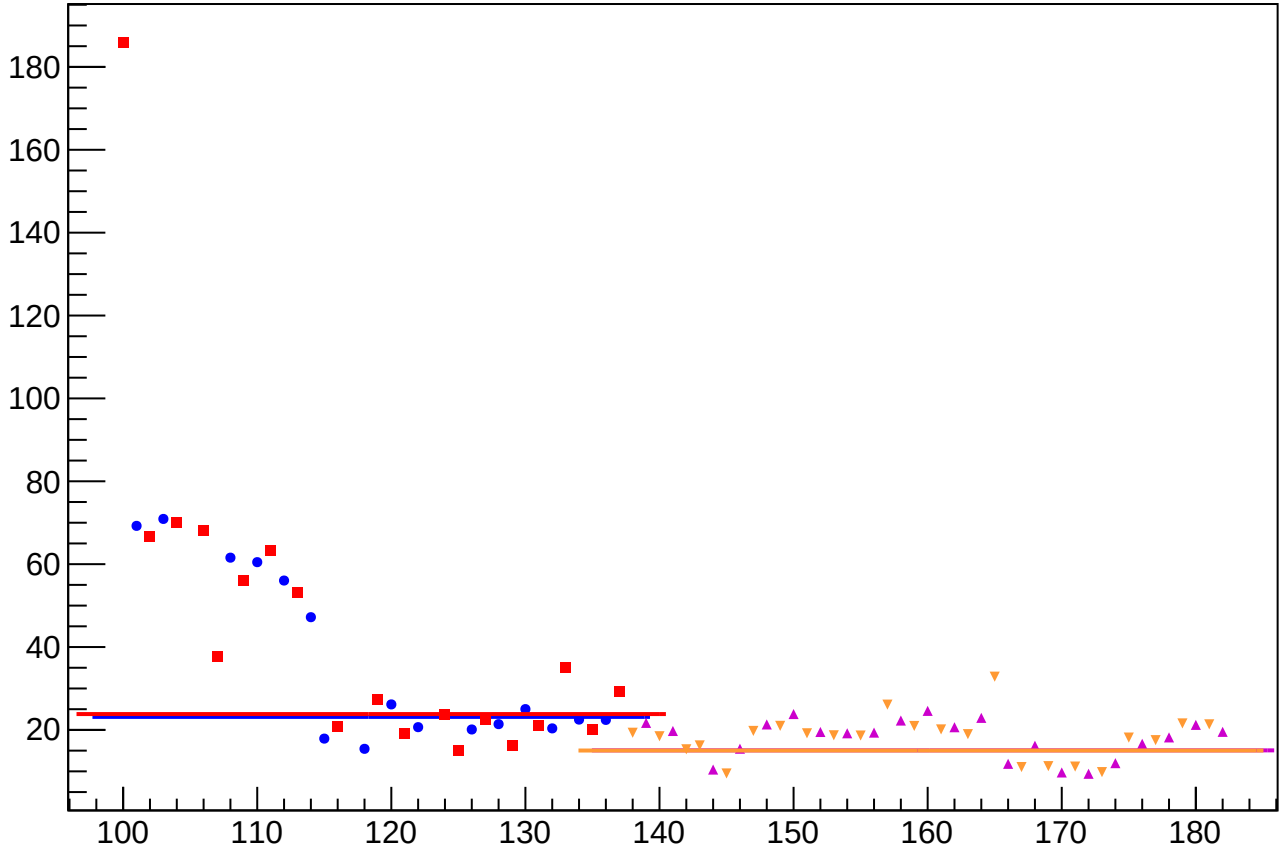
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:39.7/37

Out: -0.002+/-0.004 χ^2/NDF:43.1/41

All: 0.001+/-0.003 χ^2/NDF: 83.9/79

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: 15.027+/-0.003 χ^2/NDF:3317649.1/22

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.064+/-0.003 χ^2/NDF:3368192.9/21

Left: 15.045+/-0.002 χ^2/NDF: 6685937.9/44

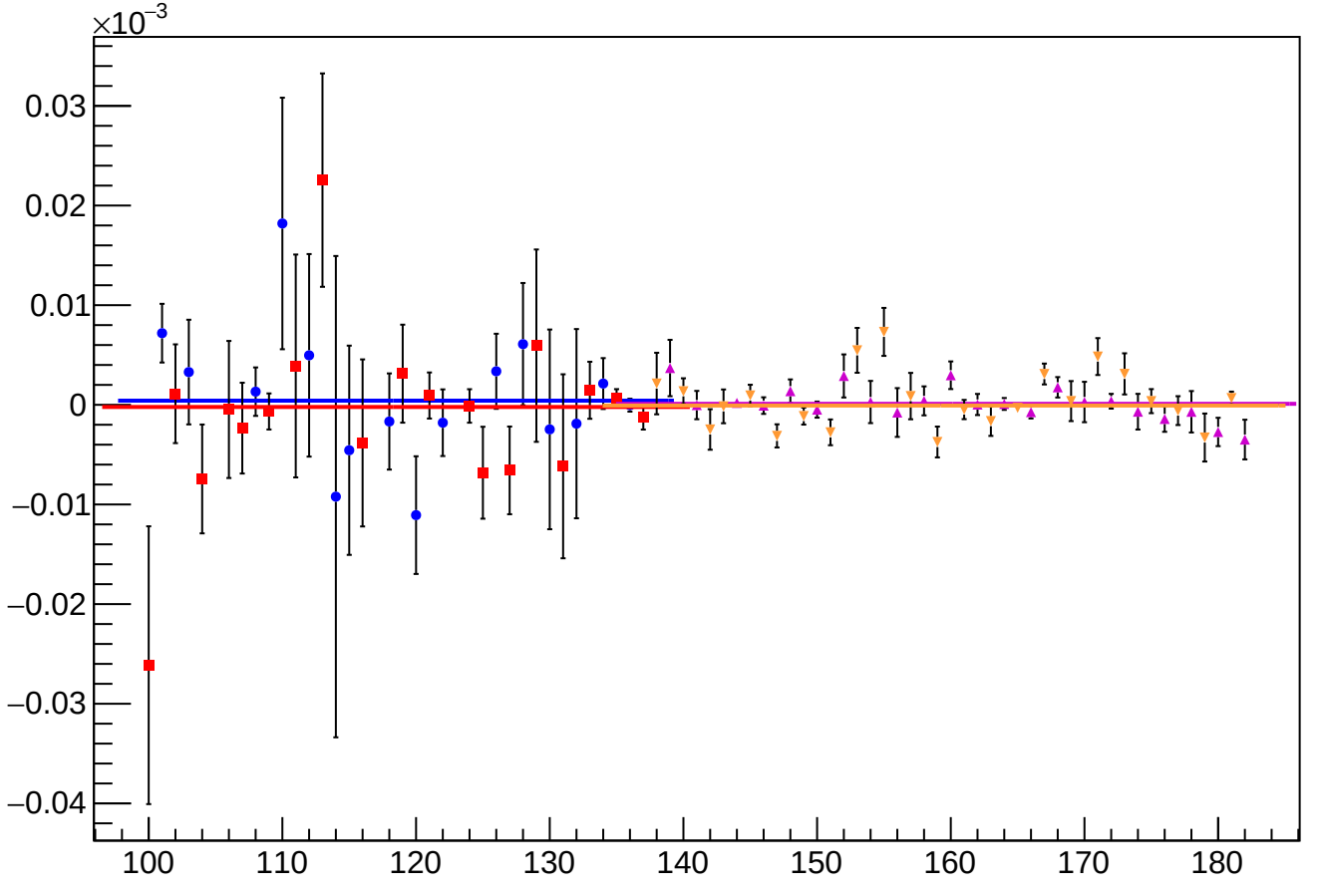
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 16.134+/-0.003 χ^2/NDF:6943331.3/37

Out: 16.111+/-0.002 χ^2/NDF:7555797.4/41

All: 16.122+/-0.002 χ^2/NDF: 14499172.1/79

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:61.8/22

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:23.0/21

Left: 0.000+/-0.000 χ^2/NDF: 85.1/44

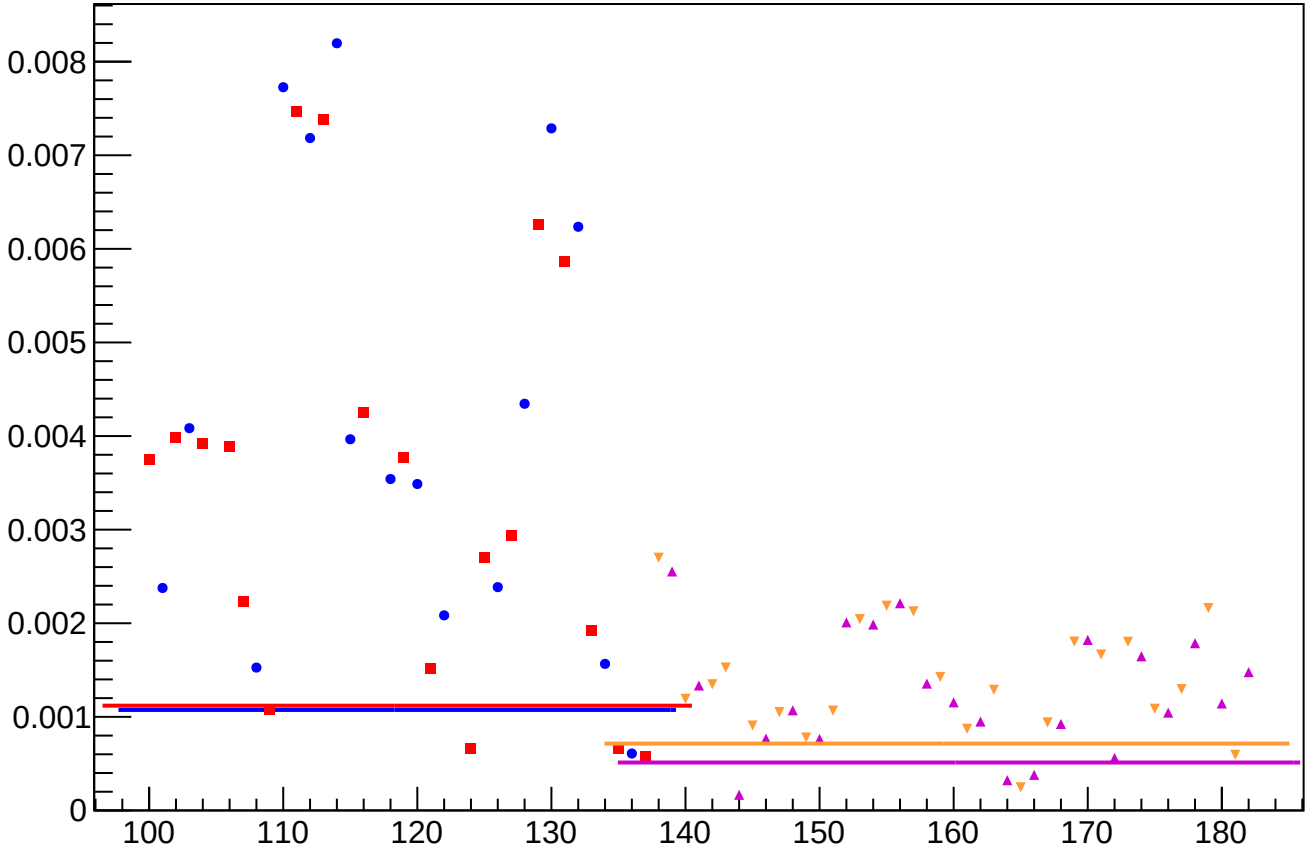
Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:38.5/37

Out: -0.000+/-0.000 χ^2/NDF:79.7/41

All: 0.000+/-0.000 χ^2/NDF: 118.9/79

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:12522385.6/22

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.001+/-0.000 χ^2/NDF:14781594.1/21

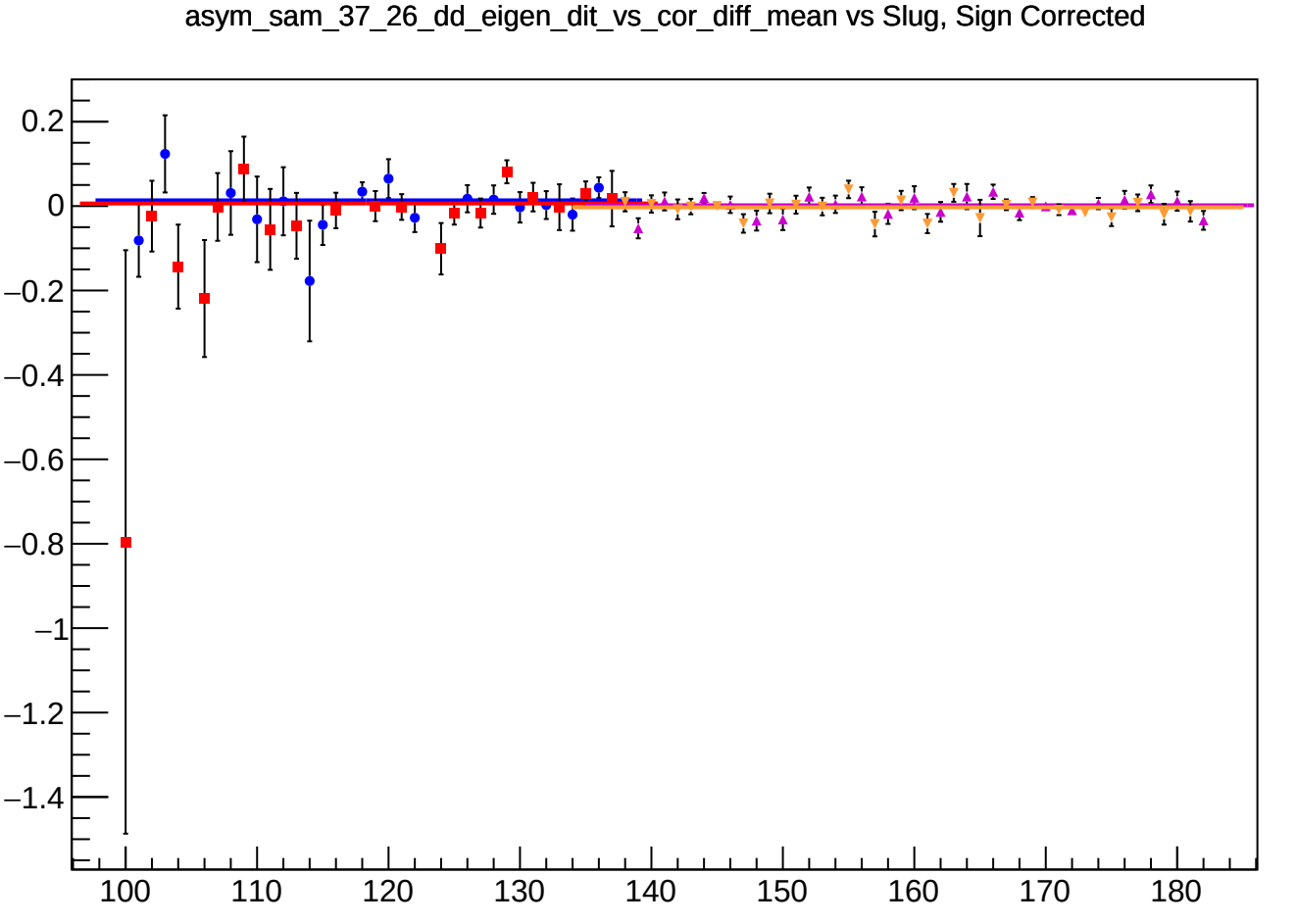
Left: 0.001+/-0.000 χ^2/NDF: 28396656.6/44

Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:23651374.2/37

Out: 0.001+/-0.000 χ^2/NDF:20213103.9/41

All: 0.001+/-0.000 χ^2/NDF: 45070862.0/79



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.9/22

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.004 χ^2/NDF:26.1/21

Left: -0.001+/-0.003 χ^2/NDF: 47.9/44

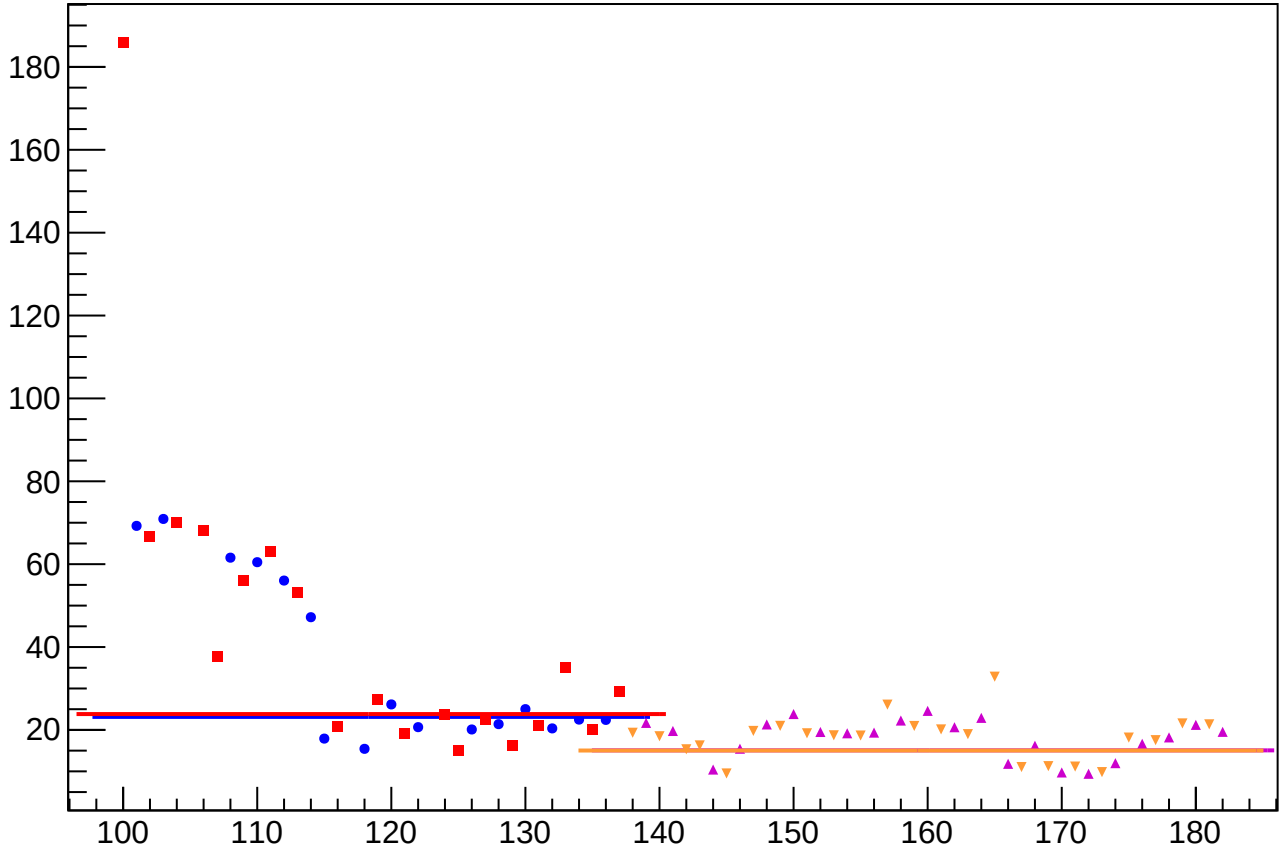
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:39.7/37

Out: -0.002+/-0.004 χ^2/NDF:43.1/41

All: 0.001+/-0.003 χ^2/NDF: 83.9/79

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: 15.027+/-0.003 χ^2/NDF:3317756.0/22

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.064+/-0.003 χ^2/NDF:3368216.5/21

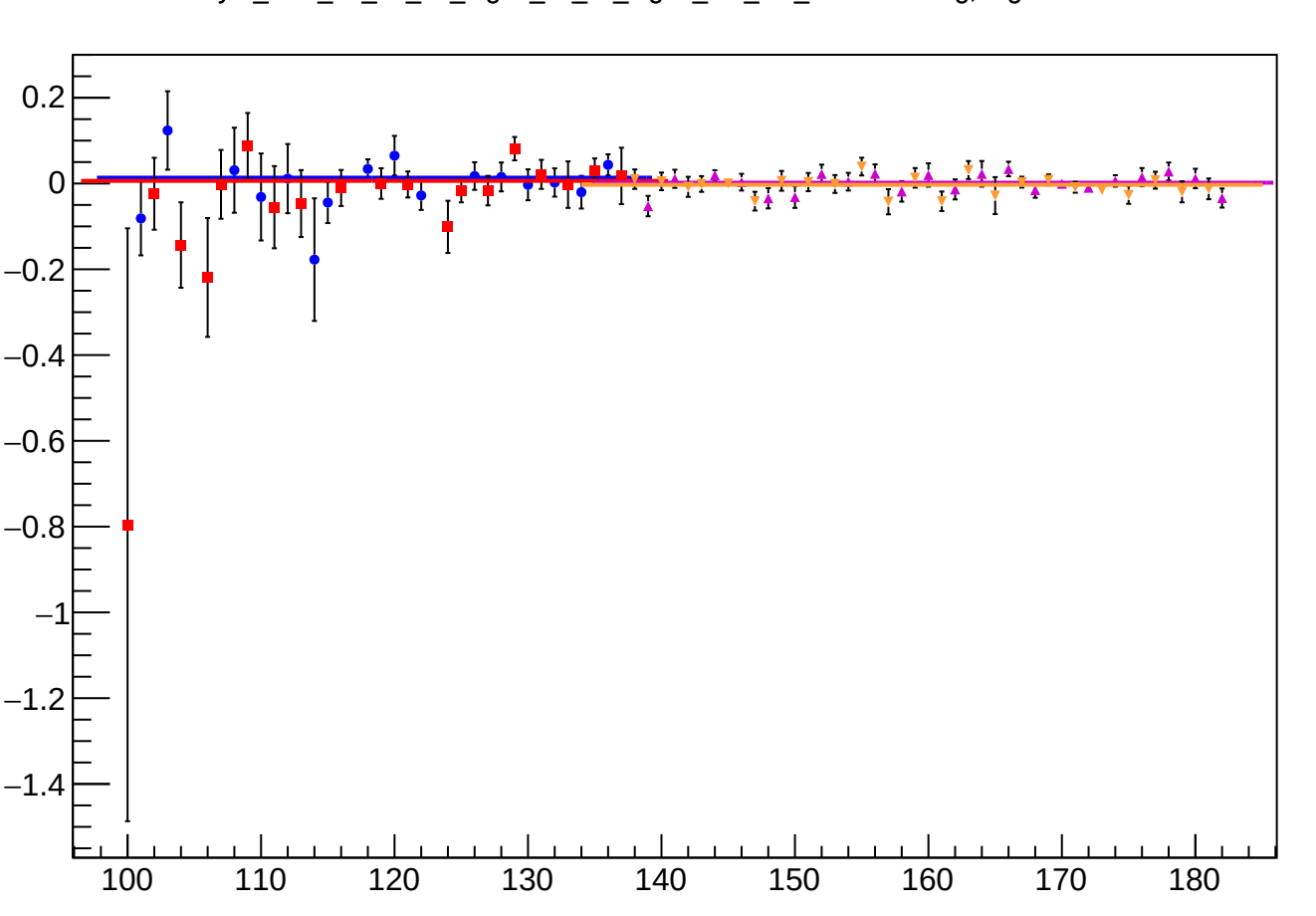
Left: 15.045+/-0.002 χ^2/NDF: 6686068.6/44

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 16.134+/-0.003 χ^2/NDF:6943085.9/37

Out: 16.111+/-0.002 χ^2/NDF:7555718.0/41

All: 16.122+/-0.002 χ^2/NDF: 14498847.3/79



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.9/22

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.004 χ^2/NDF:26.1/21

Left: -0.001+/-0.003 χ^2/NDF: 47.9/44

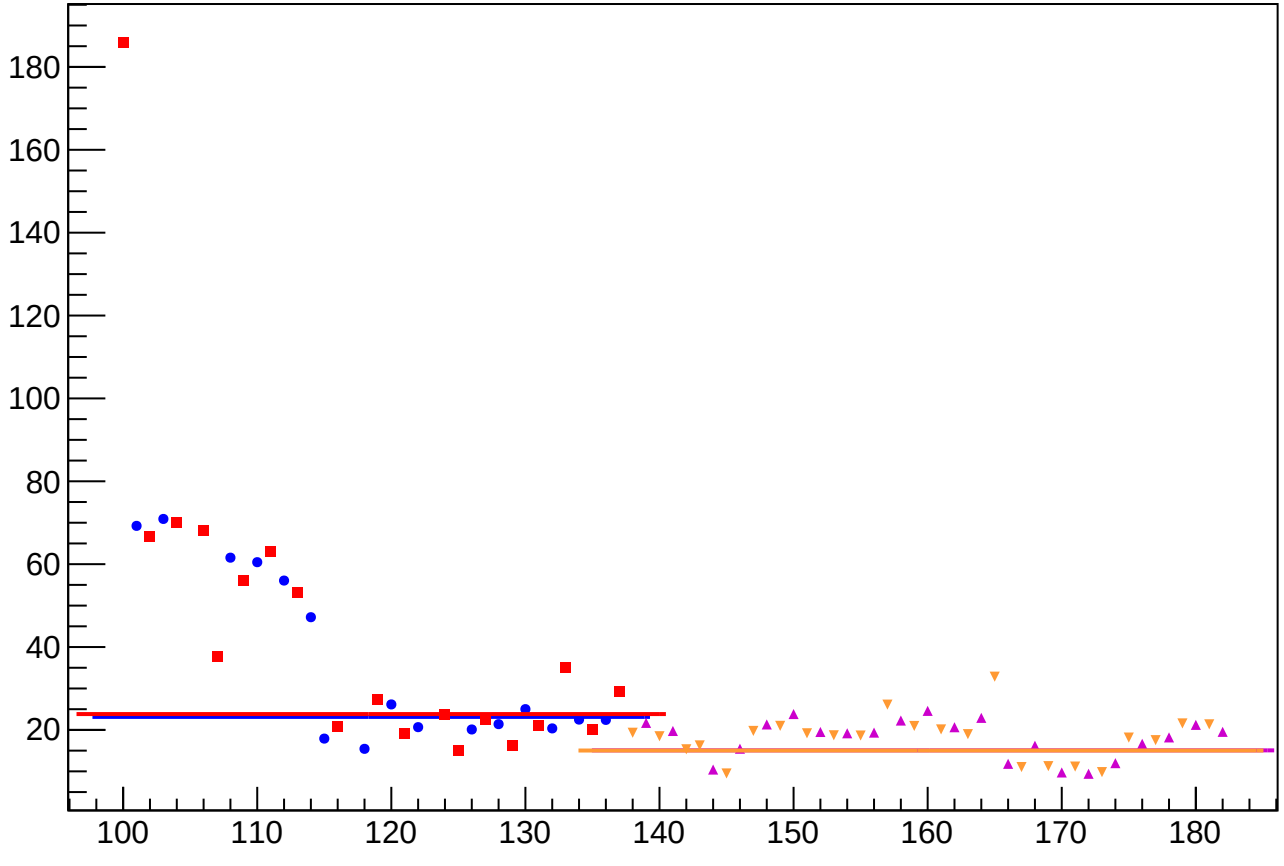
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:39.7/37

Out: -0.002+/-0.004 χ^2/NDF:43.1/41

All: 0.001+/-0.003 χ^2/NDF: 83.9/79

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: 15.027+/-0.003 χ^2/NDF:3317756.0/22

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.064+/-0.003 χ^2/NDF:3368216.5/21

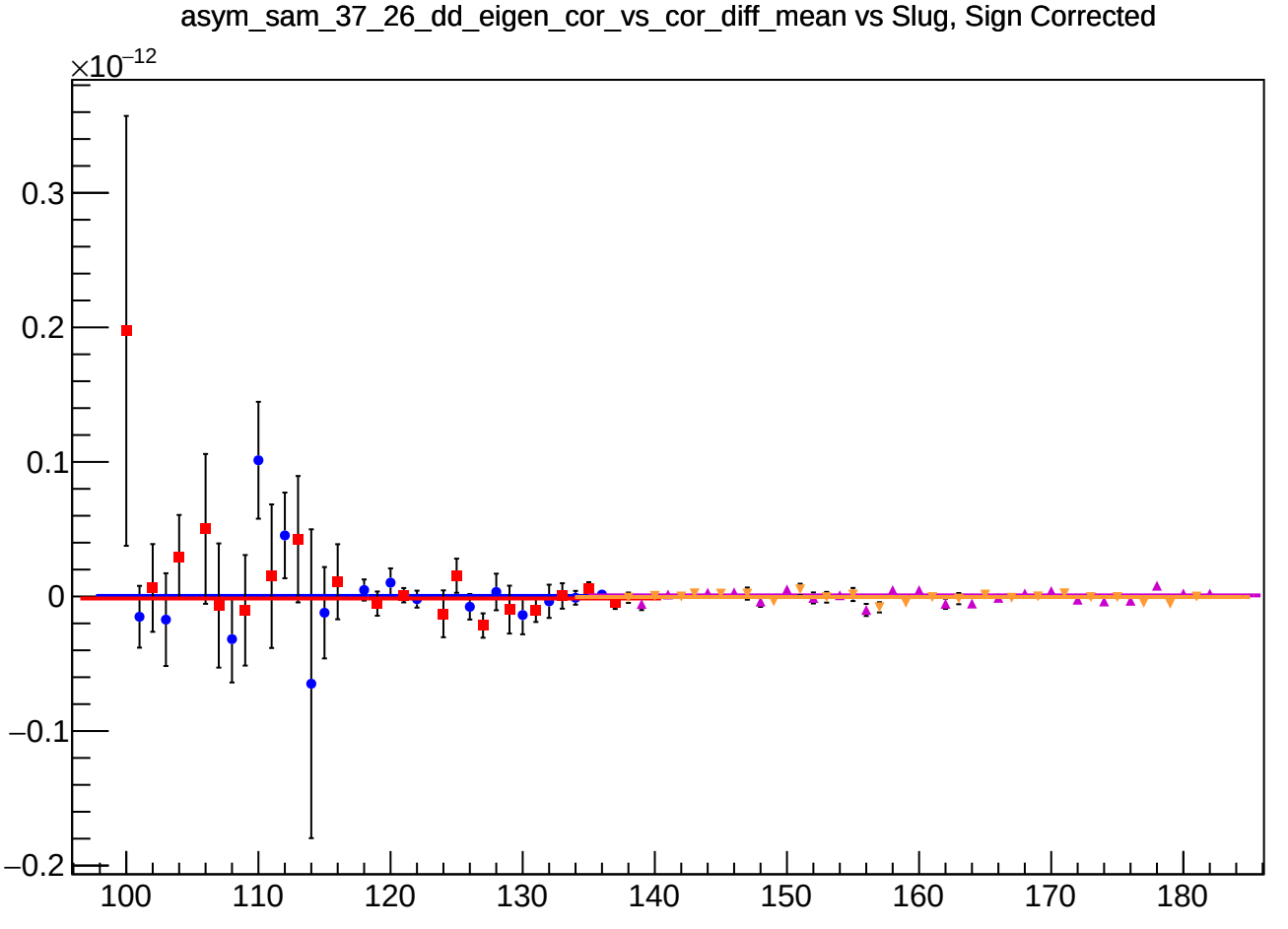
Left: 15.045+/-0.002 χ^2/NDF: 6686068.6/44

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 16.134+/-0.003 χ^2/NDF:6943085.9/37

Out: 16.111+/-0.002 χ^2/NDF:7555718.0/41

All: 16.122+/-0.002 χ^2/NDF: 14498847.3/79



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:39.4/21

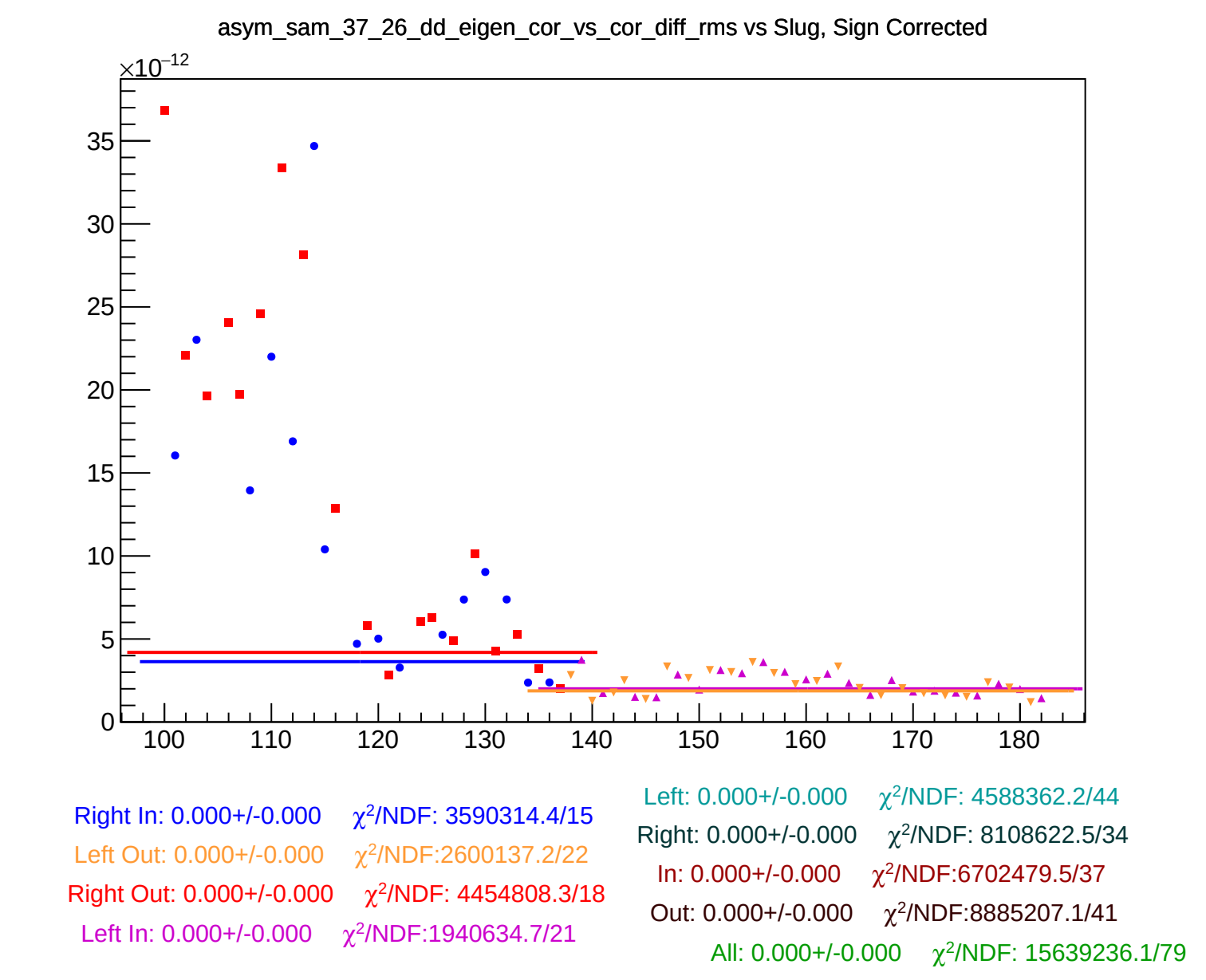
Left: 0.000+/-0.000 χ^2/NDF: 61.5/44

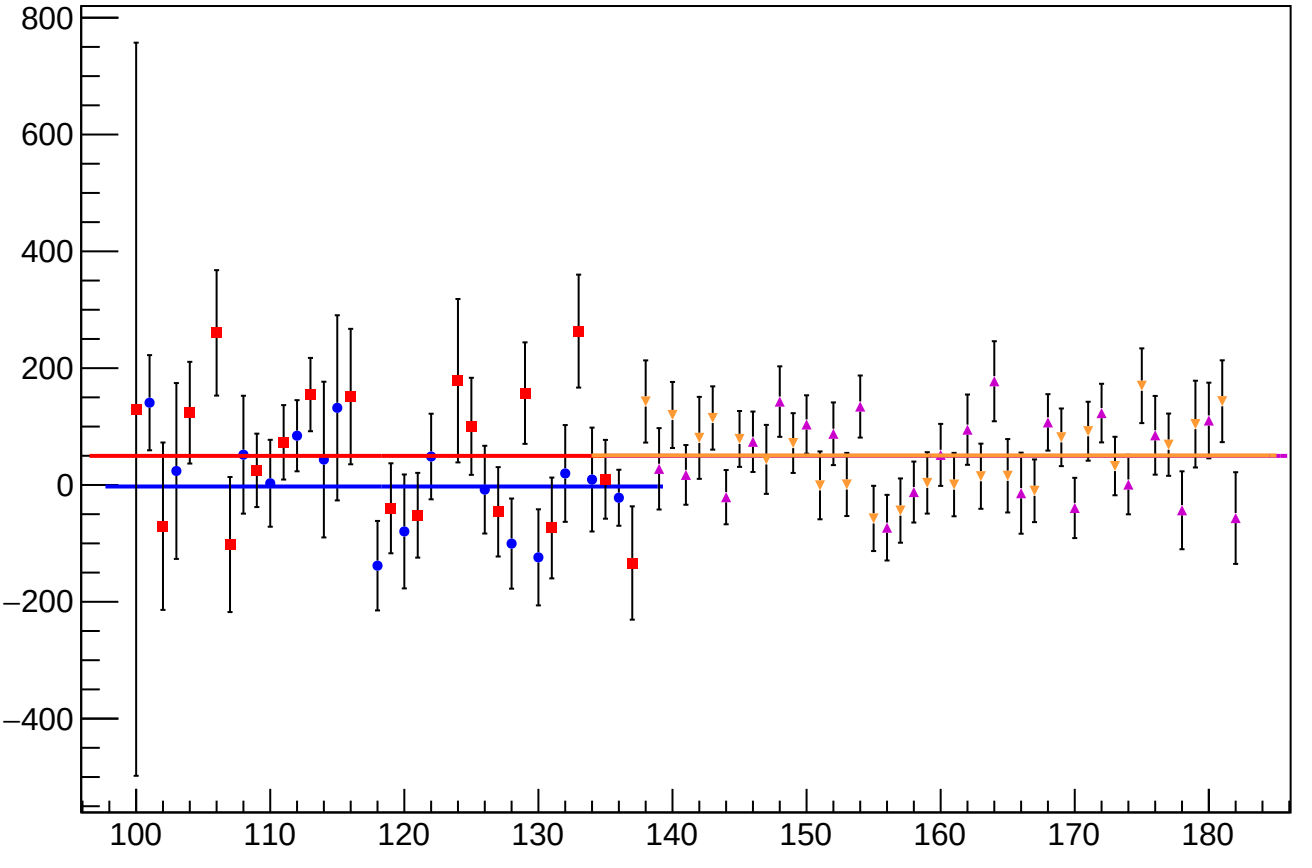
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:52.4/37

Out: -0.000+/-0.000 χ^2/NDF:35.5/41

All: 0.000+/-0.000 χ^2/NDF: 90.5/79


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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2600137.2/22
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1940634.7/21
Left: 0.000+/-0.000 χ²/NDF: 4588362.2/44
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:6702479.5/37
Out: 0.000+/-0.000 χ²/NDF:8885207.1/41
All: 0.000+/-0.000 χ²/NDF: 15639236.1/79



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 50.536+/-11.736 χ^2/NDF:24.3/22

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 49.808+/-11.978 χ^2/NDF:33.1/21

Left: 50.180+/-8.383 χ^2/NDF: 57.4/44

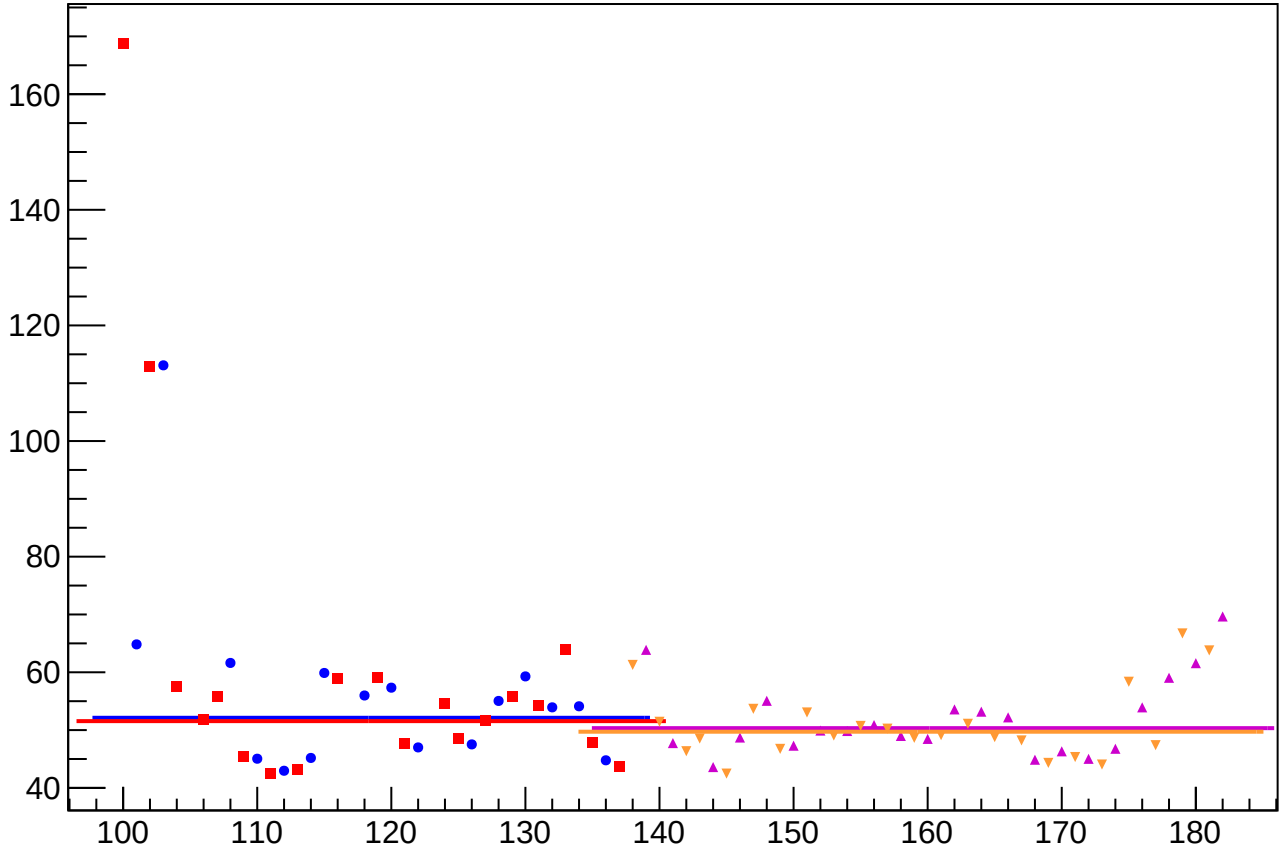
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 35.964+/-10.275 χ^2/NDF:52.7/37

Out: 50.345+/-10.072 χ^2/NDF:53.7/41

All: 43.298+/-7.193 χ^2/NDF: 107.4/79

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.720+/-0.008 χ^2/NDF:425411.1/22

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 50.336+/-0.008 χ^2/NDF:450358.8/21

Left: 50.022+/-0.006 χ^2/NDF: 878466.6/44

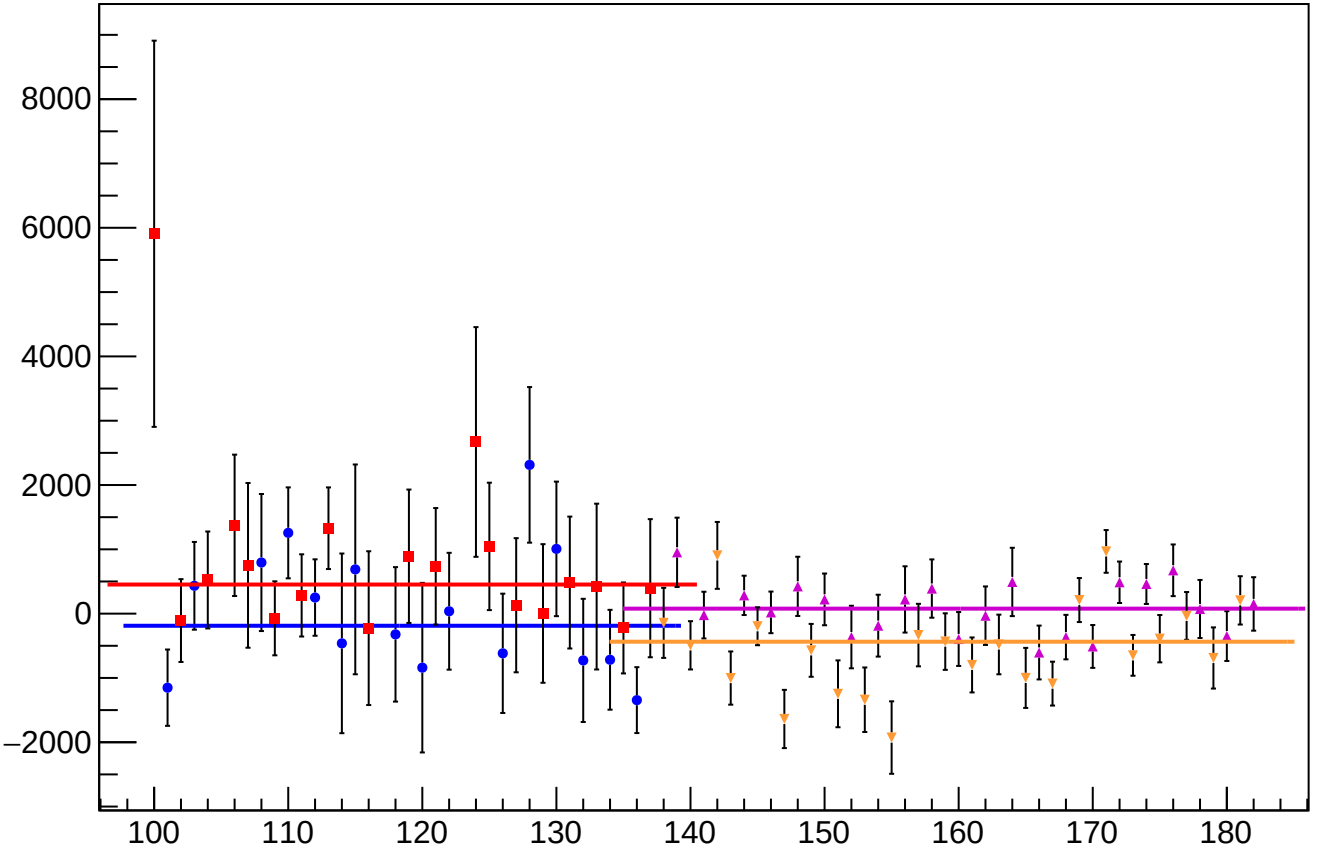
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.809+/-0.007 χ^2/NDF:1025109.5/37

Out: 50.202+/-0.007 χ^2/NDF:1077788.1/41

All: 50.500+/-0.005 χ^2/NDF: 2106457.6/79

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: -436.515+/-84.658 χ^2/NDF:61.5/22

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 77.720+/-84.497 χ^2/NDF:21.5/21

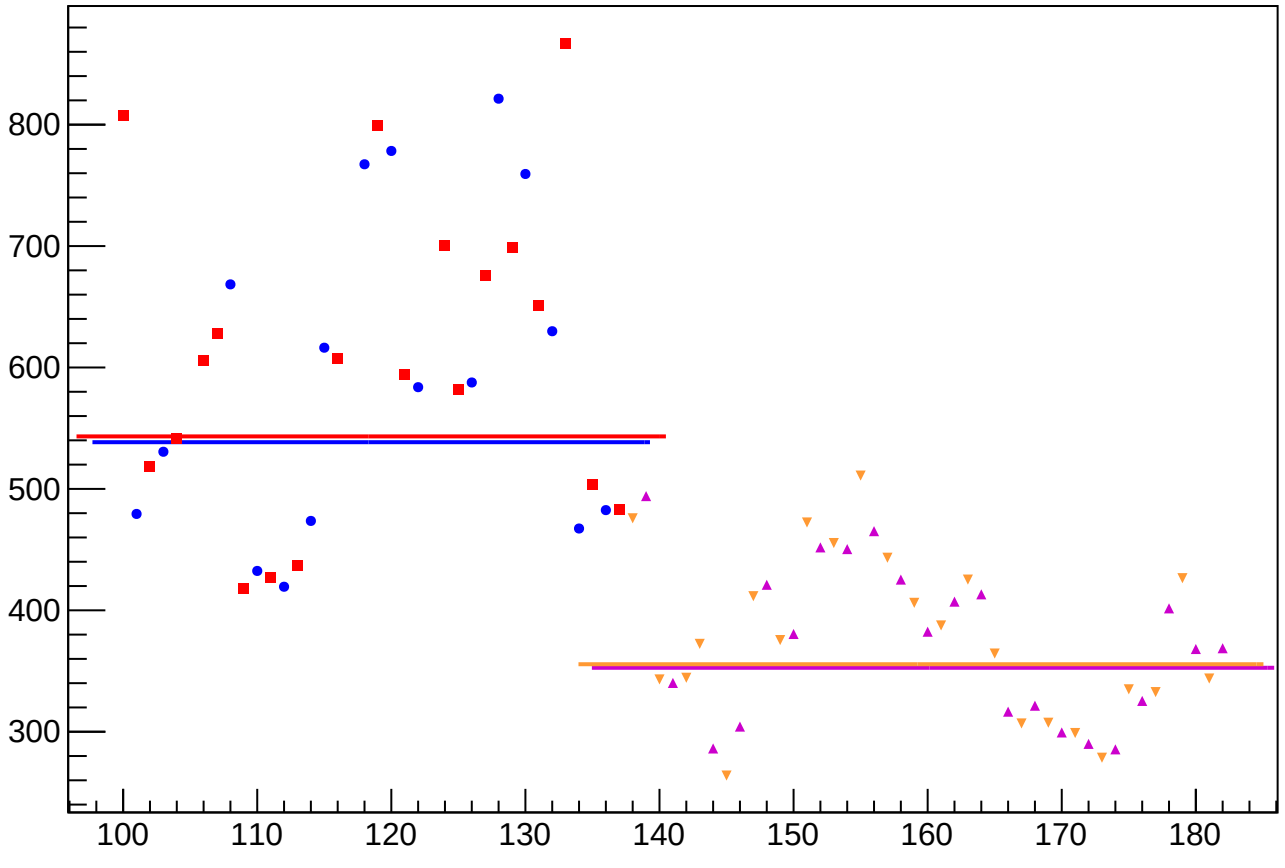
Left: -178.908+/-59.805 χ^2/NDF: 101.5/44

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 39.310+/-78.166 χ^2/NDF:44.3/37

Out: -305.809+/-78.188 χ^2/NDF:89.0/41

All: -133.201+/-55.279 χ^2/NDF: 143.0/79



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 355.600+/-0.060 χ^2/NDF:1130336.5/22

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 352.679+/-0.060 χ^2/NDF:1000474.4/21

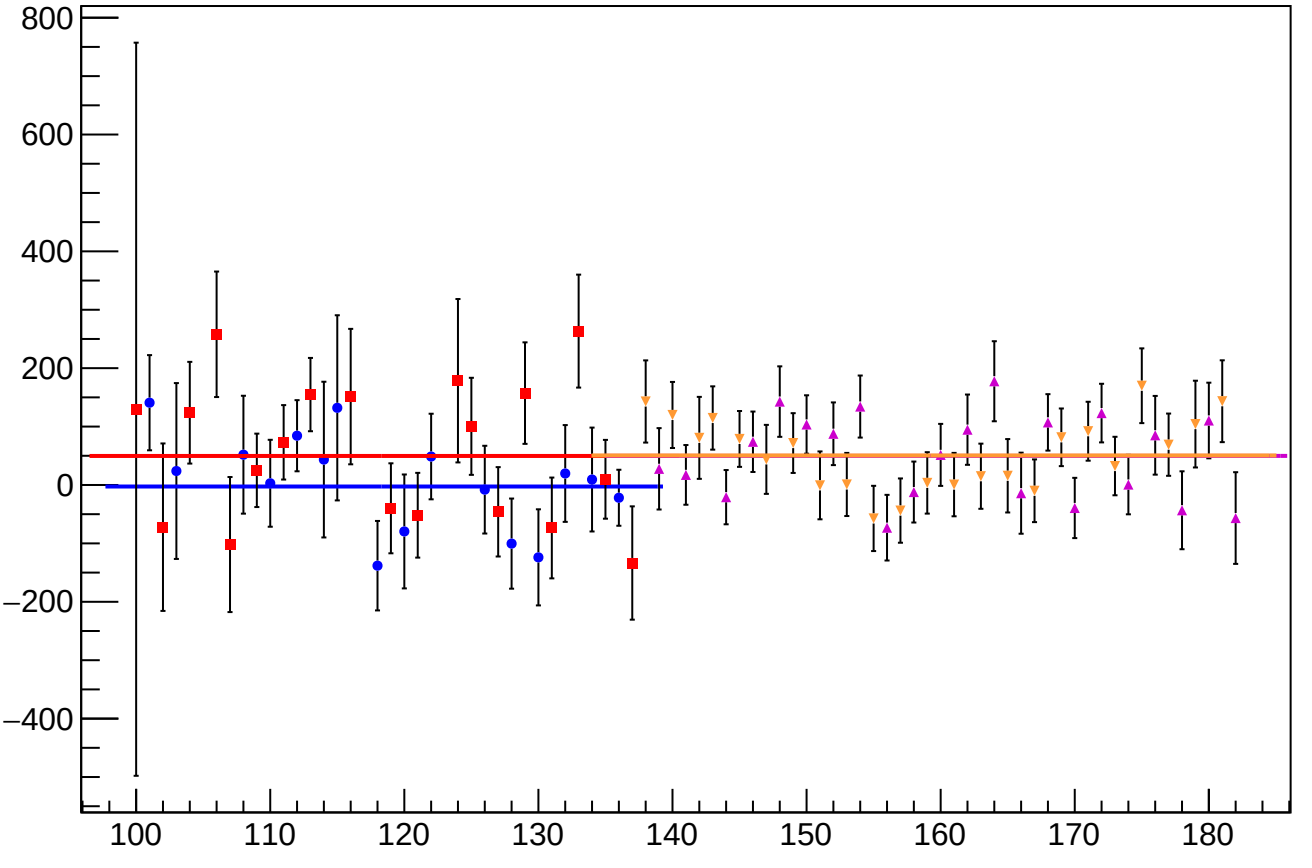
Left: 354.136+/-0.042 χ^2/NDF: 2132003.6/44

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 379.478+/-0.055 χ^2/NDF:3009178.7/37

Out: 383.186+/-0.055 χ^2/NDF:3211965.4/41

All: 381.331+/-0.039 χ^2/NDF: 6223394.3/79



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 50.538+/-11.736 χ^2/NDF:24.3/22

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 49.808+/-11.978 χ^2/NDF:33.1/21

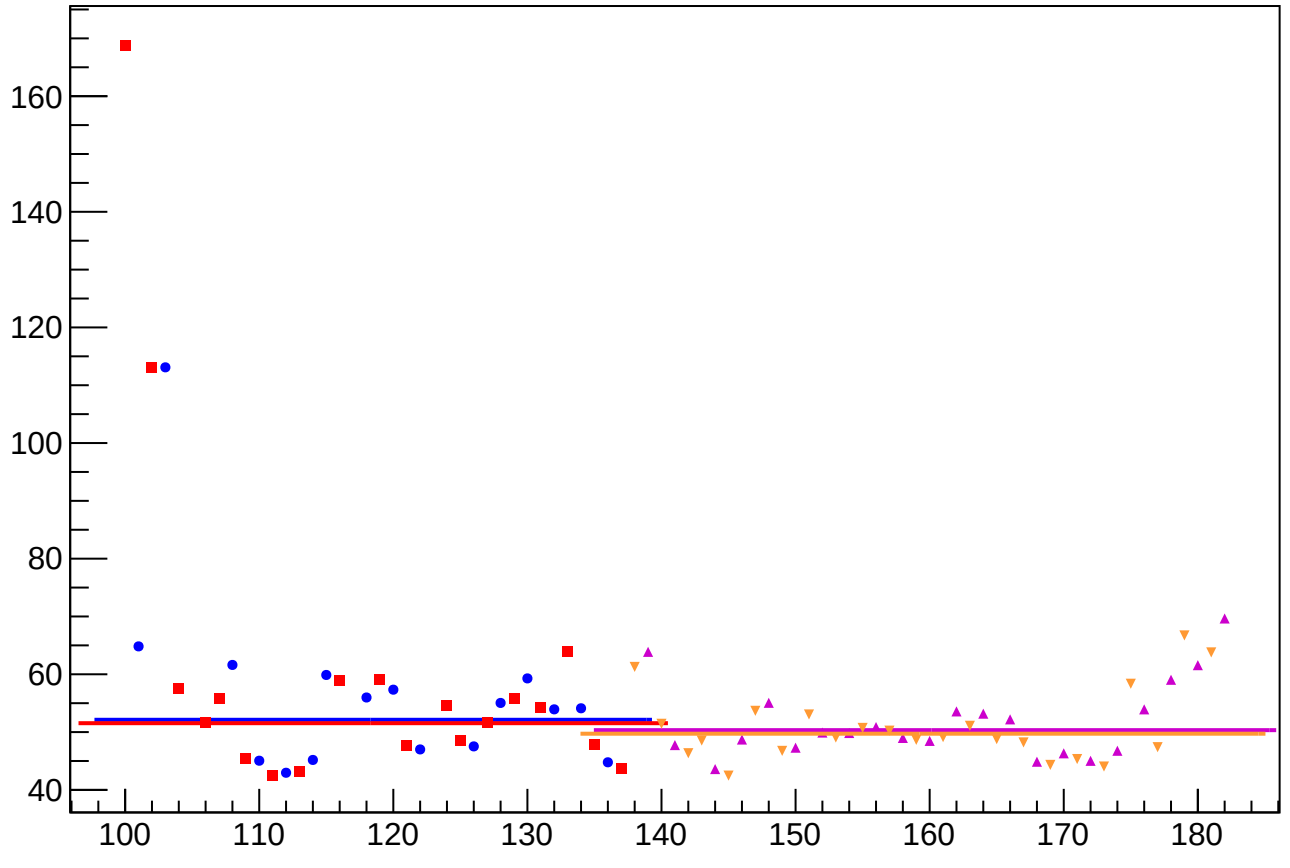
Left: 50.181+/-8.383 χ^2/NDF: 57.4/44

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 35.963+/-10.275 χ^2/NDF:52.7/37

Out: 50.316+/-10.072 χ^2/NDF:53.6/41

All: 43.282+/-7.193 χ^2/NDF: 107.3/79



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.720+/-0.008 χ^2/NDF:425411.1/22

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 50.336+/-0.008 χ^2/NDF:450358.8/21

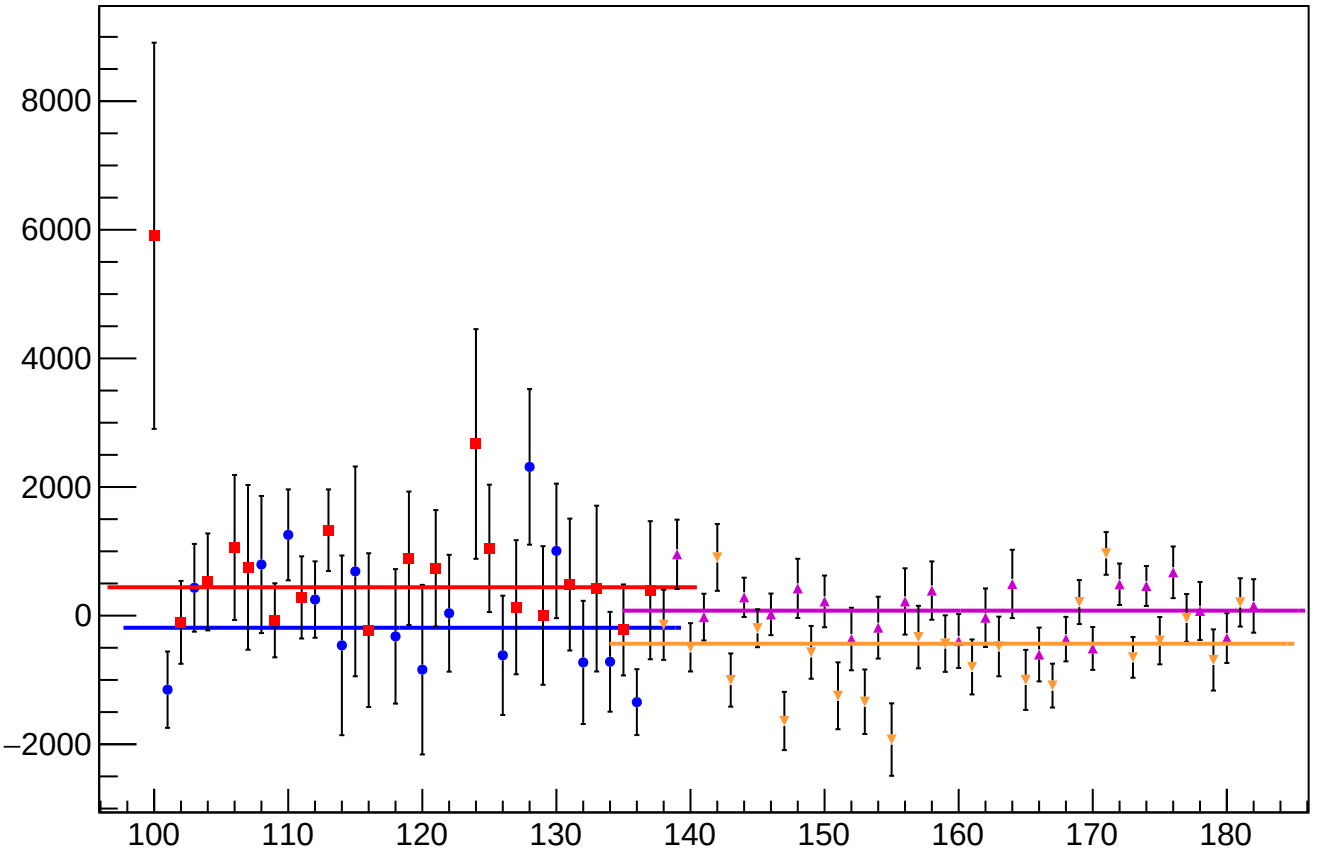
Left: 50.022+/-0.006 χ^2/NDF: 878466.6/44

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.809+/-0.007 χ^2/NDF:1025111.8/37

Out: 50.199+/-0.007 χ^2/NDF:1077863.5/41

All: 50.498+/-0.005 χ^2/NDF: 2106567.4/79



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -436.512+/-84.658 χ^2/NDF:61.5/22

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 77.720+/-84.497 χ^2/NDF:21.5/21

Left: -178.907+/-59.805 χ^2/NDF: 101.5/44

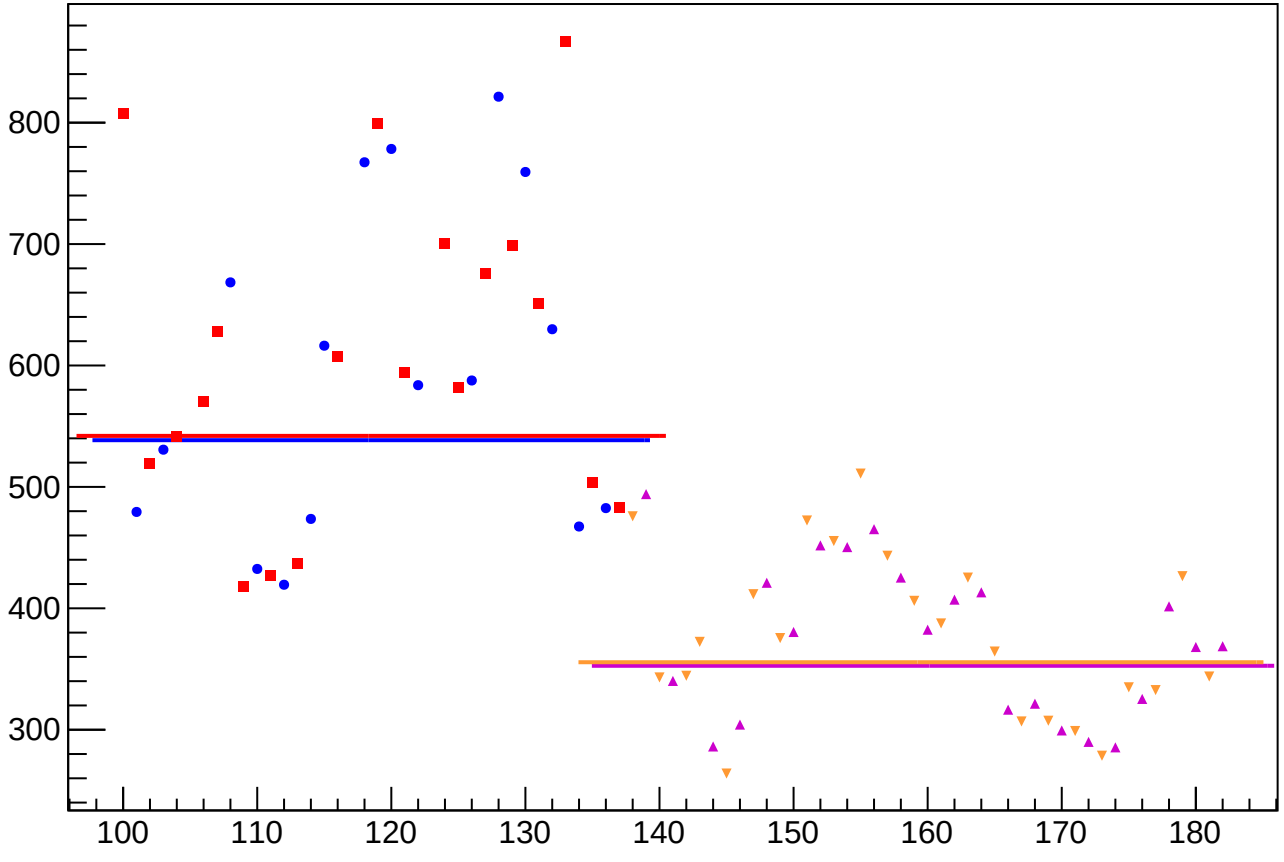
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 39.314+/-78.166 χ^2/NDF:44.3/37

Out: -307.687+/-78.198 χ^2/NDF:88.1/41

All: -134.114+/-55.283 χ^2/NDF: 142.3/79

asym_sam_1357_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 355.599+/-0.060 χ^2/NDF:1130340.5/22

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 352.679+/-0.060 χ^2/NDF:1000474.6/21

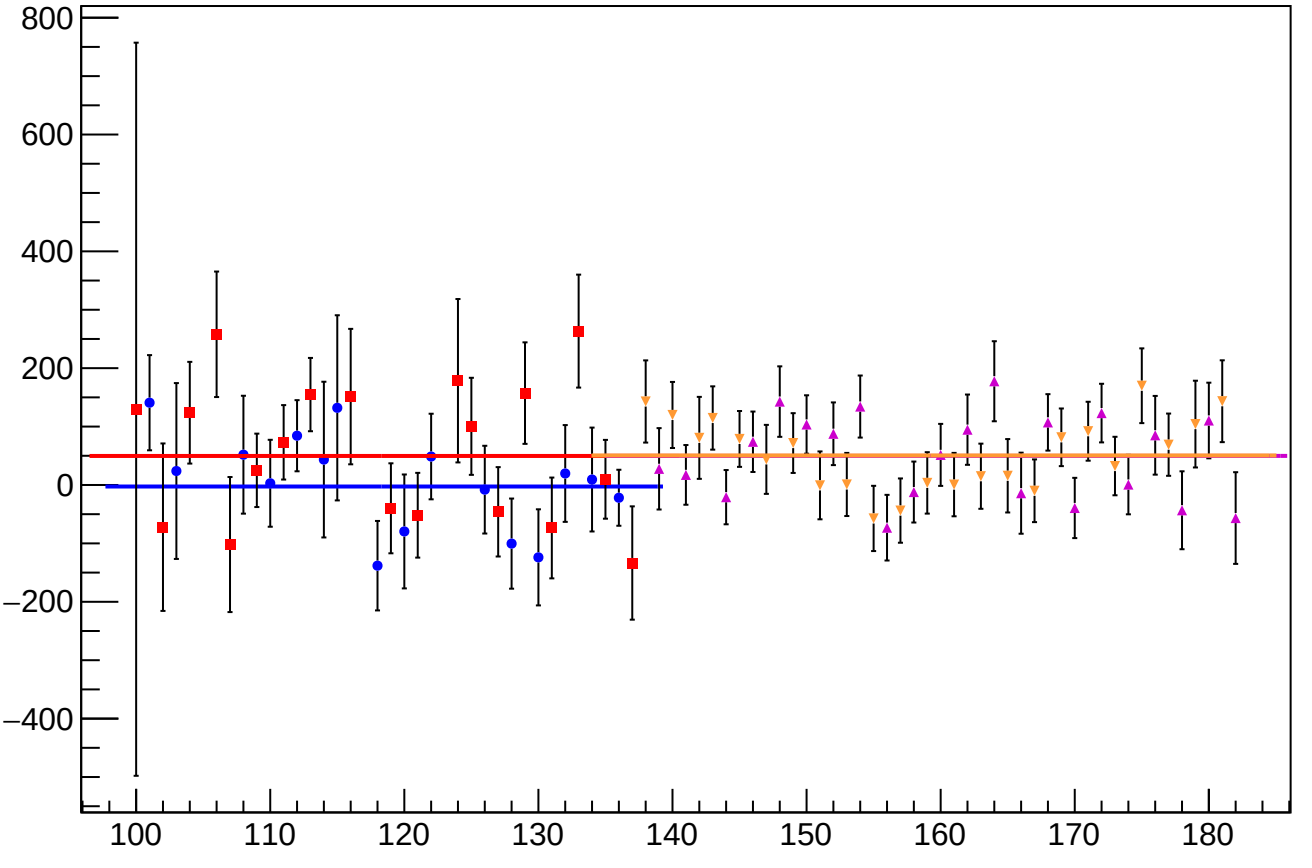
Left: 354.136+/-0.042 χ^2/NDF: 2132007.6/44

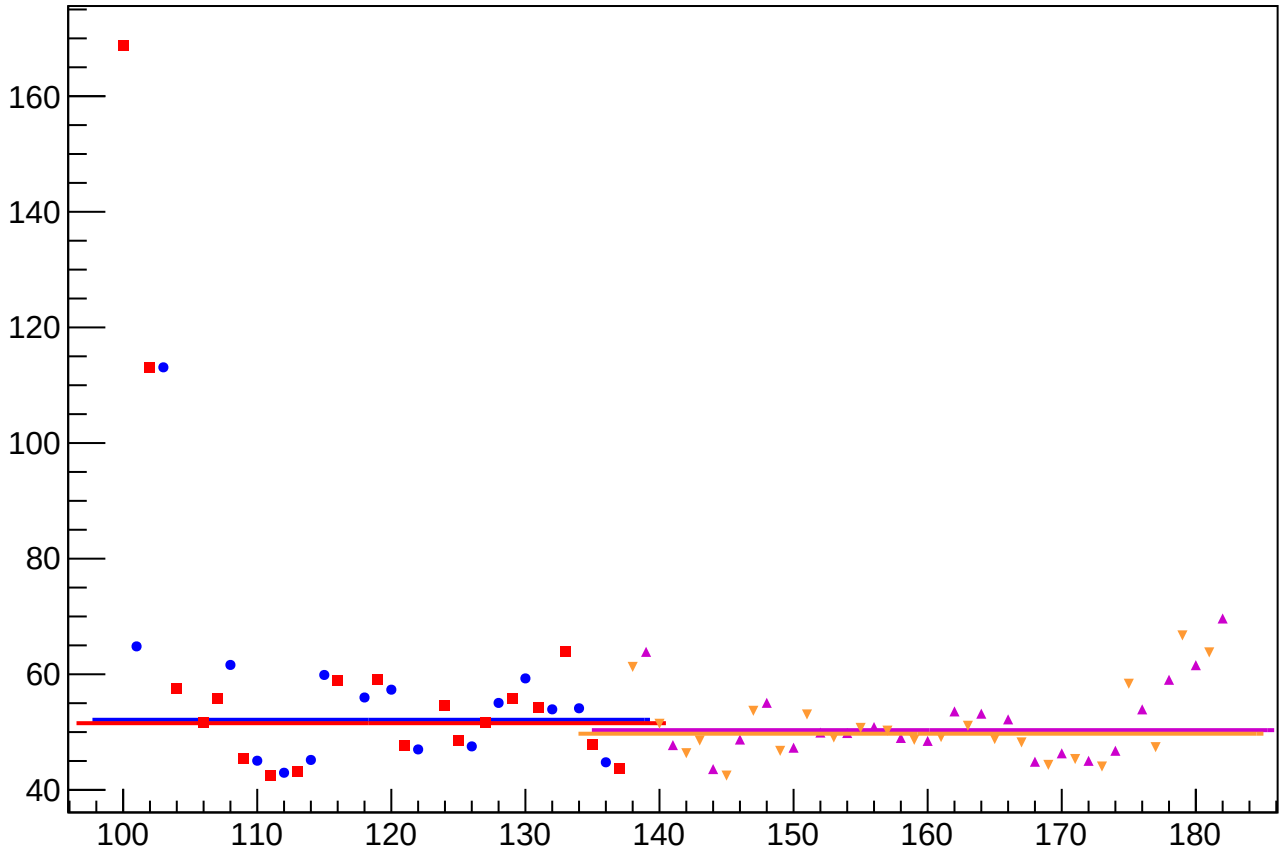
Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 379.478+/-0.055 χ^2/NDF:3009230.7/37

Out: 382.963+/-0.055 χ^2/NDF:3185449.5/41

All: 381.220+/-0.039 χ^2/NDF: 6196667.0/79


eigen_cor_asym_sam_1357_avg_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
Right In: -2.618+/-19.995 χ²/NDF: 14.6/15
Left Out: 50.538+/-11.736 χ²/NDF:24.3/22
Right Out: 49.694+/-19.622 χ²/NDF: 29.3/18
Left In: 49.808+/-11.978 χ²/NDF:33.1/21
Left: 50.181+/-8.383 χ²/NDF: 57.4/44
Right: 24.030+/-14.005 χ²/NDF: 47.4/34
In: 35.963+/-10.275 χ²/NDF:52.7/37
Out: 50.316+/-10.072 χ²/NDF:53.6/41
All: 43.282+/-7.193 χ²/NDF: 107.3/79



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.720+/-0.008 χ^2/NDF:425411.1/22

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 50.336+/-0.008 χ^2/NDF:450358.8/21

Left: 50.022+/-0.006 χ^2/NDF: 878466.6/44

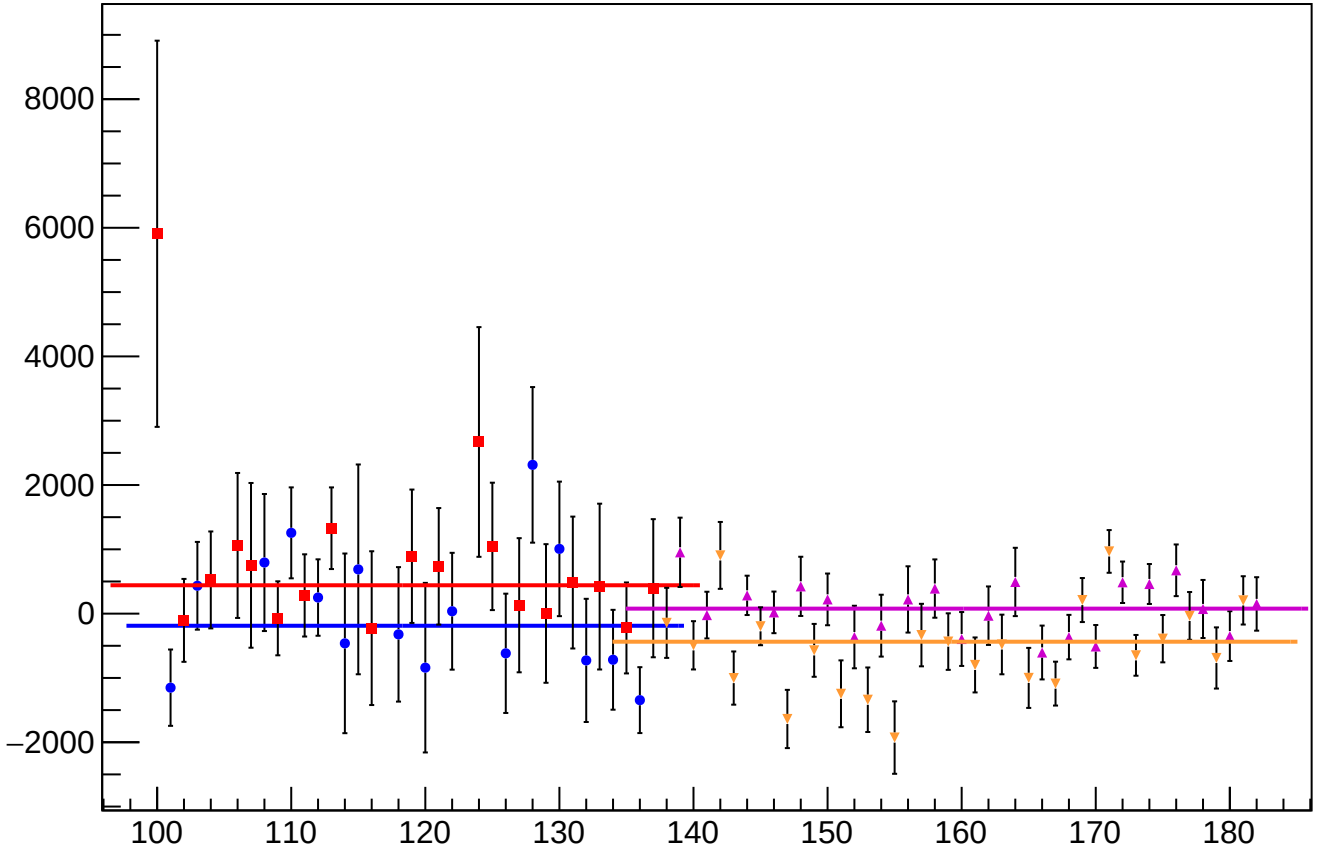
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.809+/-0.007 χ^2/NDF:1025111.8/37

Out: 50.199+/-0.007 χ^2/NDF:1077863.5/41

All: 50.498+/-0.005 χ^2/NDF: 2106567.4/79

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: -436.512+/-84.658 χ^2/NDF:61.5/22

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 77.720+/-84.497 χ^2/NDF:21.5/21

Left: -178.907+/-59.805 χ^2/NDF: 101.5/44

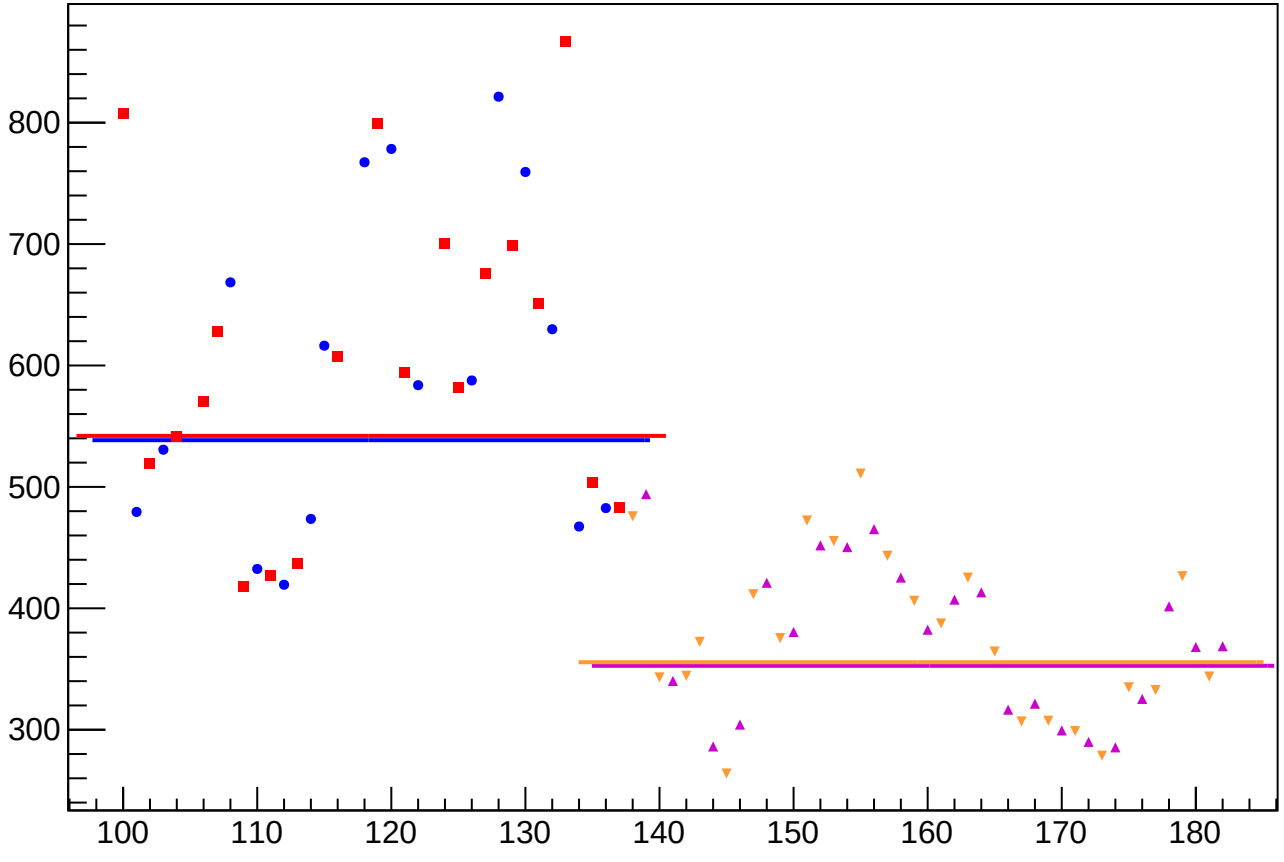
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 39.314+/-78.166 χ^2/NDF:44.3/37

Out: -307.687+/-78.198 χ^2/NDF:88.1/41

All: -134.114+/-55.283 χ^2/NDF: 142.3/79

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 355.599+/-0.060 χ^2/NDF:1130340.5/22

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 352.679+/-0.060 χ^2/NDF:1000474.6/21

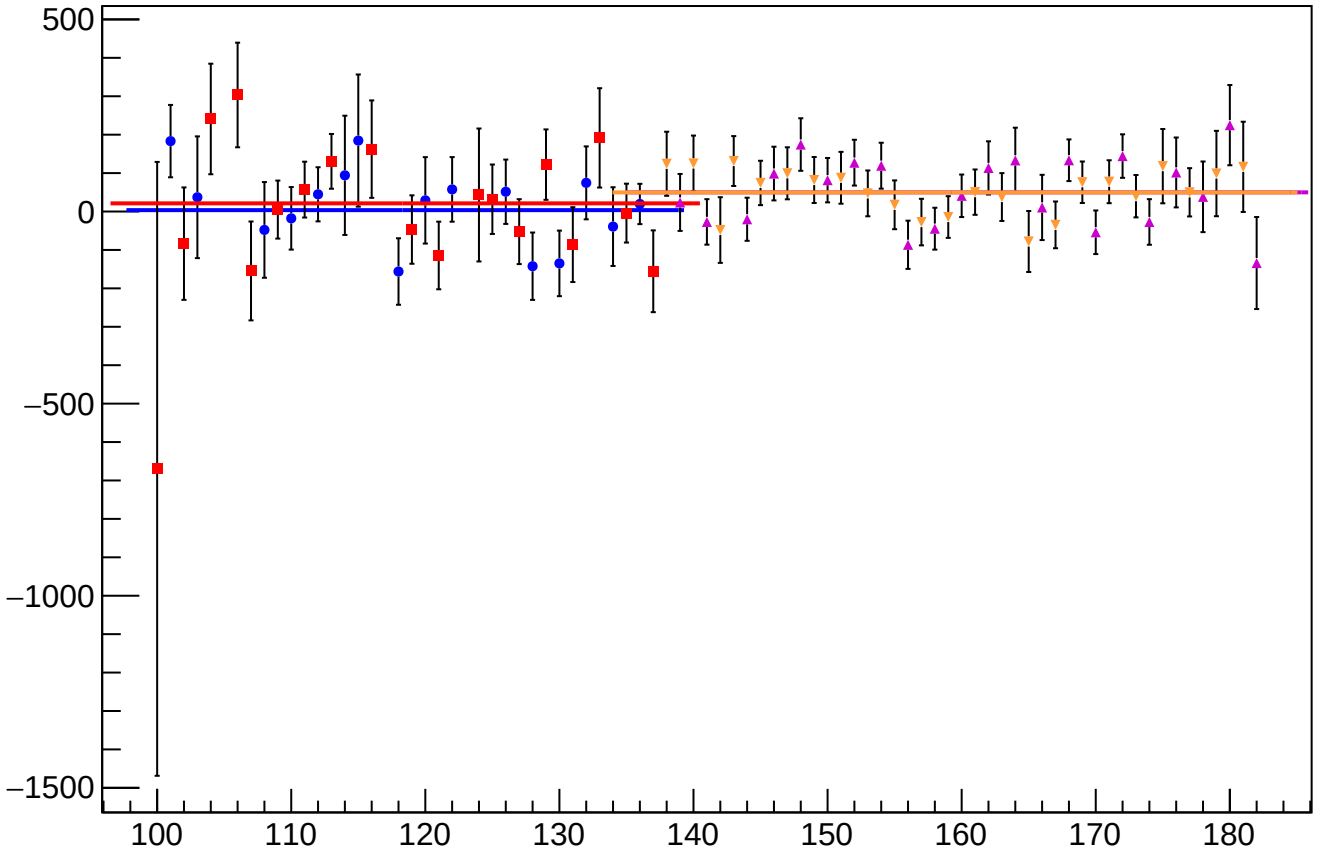
Left: 354.136+/-0.042 χ^2/NDF: 2132007.6/44

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 379.478+/-0.055 χ^2/NDF:3009230.7/37

Out: 382.963+/-0.055 χ^2/NDF:3185449.5/41

All: 381.220+/-0.039 χ^2/NDF: 6196667.0/79



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 49.738+/-13.676 χ^2/NDF:15.5/22

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 49.907+/-13.983 χ^2/NDF:36.0/21

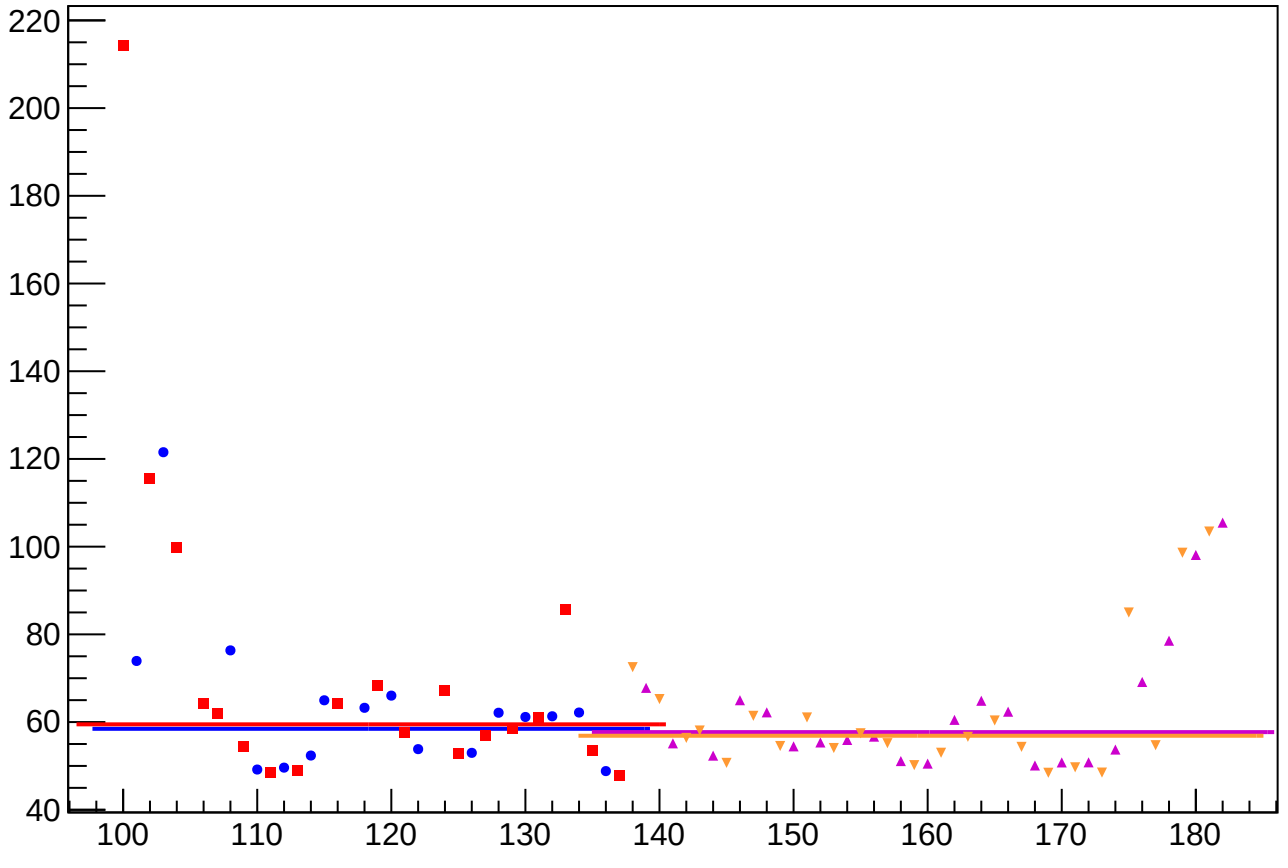
Left: 49.821+/-9.777 χ^2/NDF: 51.5/44

Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 36.988+/-11.873 χ^2/NDF:55.2/37

Out: 42.186+/-11.724 χ^2/NDF:41.0/41

All: 39.620+/-8.342 χ^2/NDF: 96.3/79



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.883+/-0.010 χ^2/NDF:1089484.6/22

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 57.710+/-0.010 χ^2/NDF:1047181.3/21

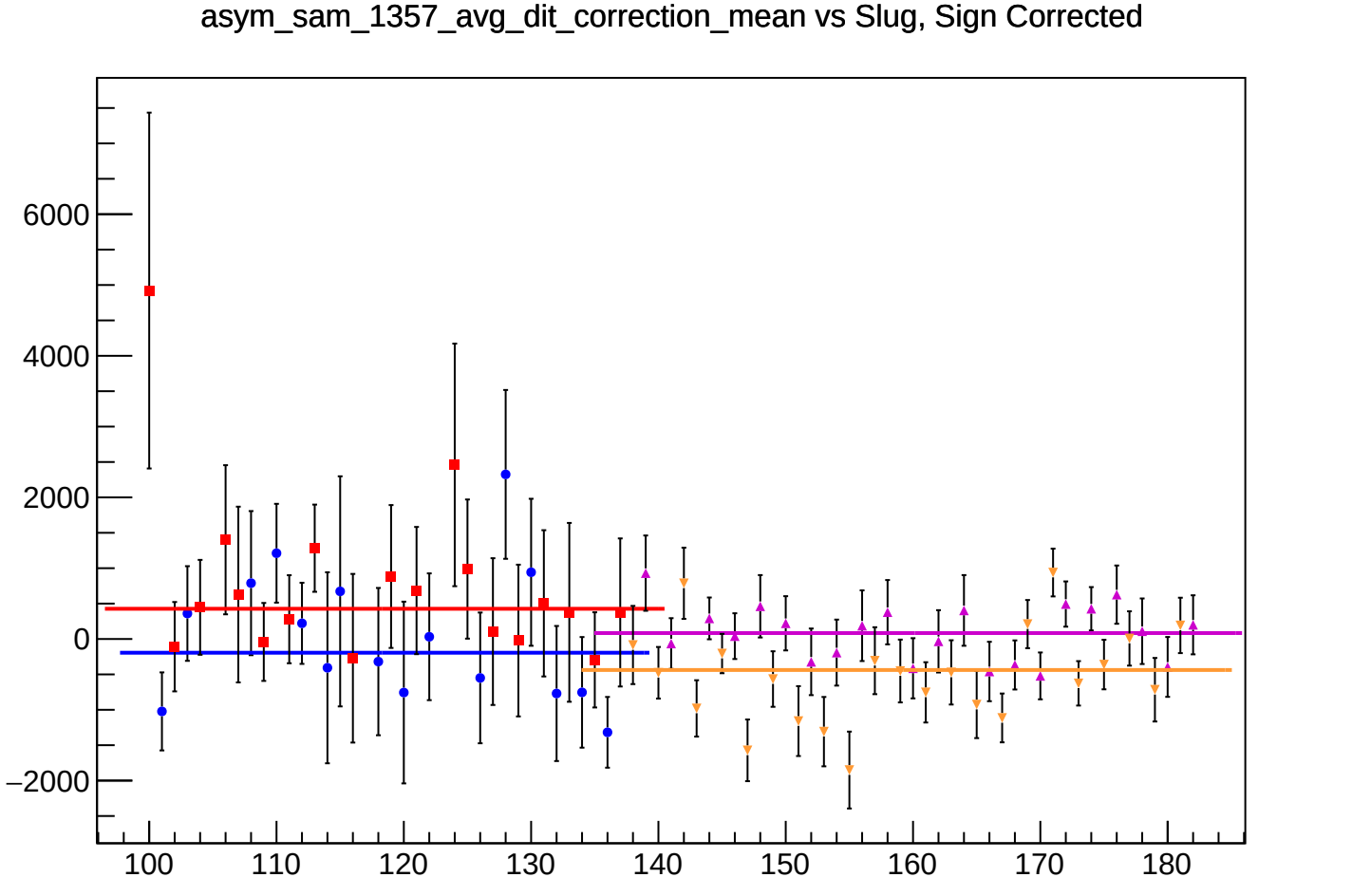
Left: 57.287+/-0.007 χ^2/NDF: 2140241.9/44

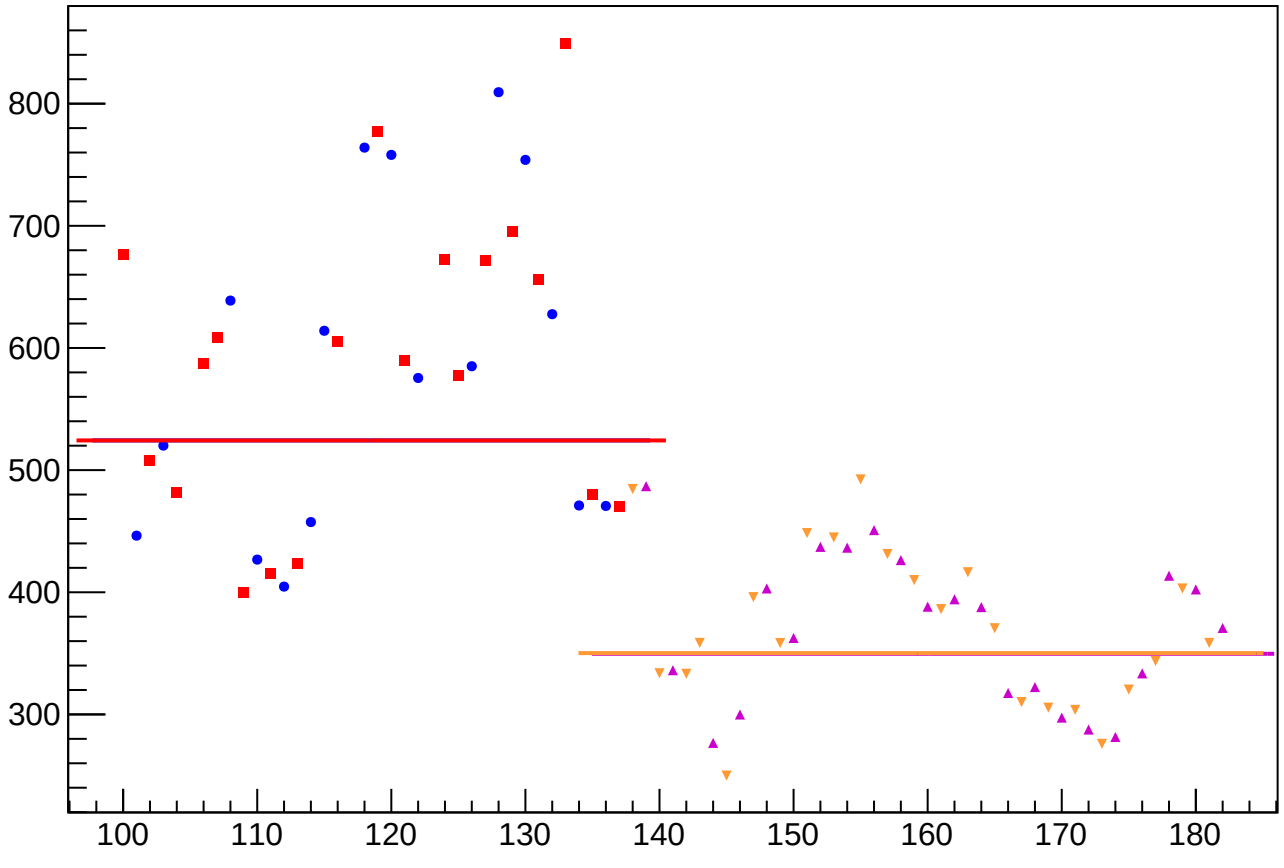
Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 57.921+/-0.008 χ^2/NDF:1631794.7/37

Out: 57.572+/-0.008 χ^2/NDF:1893548.6/41

All: 57.744+/-0.006 χ^2/NDF: 3526214.1/79


asym_sam_1357_avg_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: -193.899+/-200.604 χ²/NDF: 20.8/15
Left Out: -437.768+/-83.239 χ²/NDF:58.5/22
Right Out: 426.977+/-197.005 χ²/NDF: 11.3/18
Left In: 83.913+/-83.747 χ²/NDF:20.2/21
Left: -178.512+/-59.038 χ²/NDF: 98.2/44
Right: 122.158+/-140.559 χ²/NDF: 37.0/34
In: 42.681+/-77.282 χ²/NDF:42.6/37
Out: -306.774+/-76.676 χ²/NDF:86.1/41
All: -133.423+/-54.431 χ²/NDF: 139.1/79



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 350.205+/-0.059 χ^2/NDF:1111236.5/22

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 349.644+/-0.059 χ^2/NDF:989854.5/21

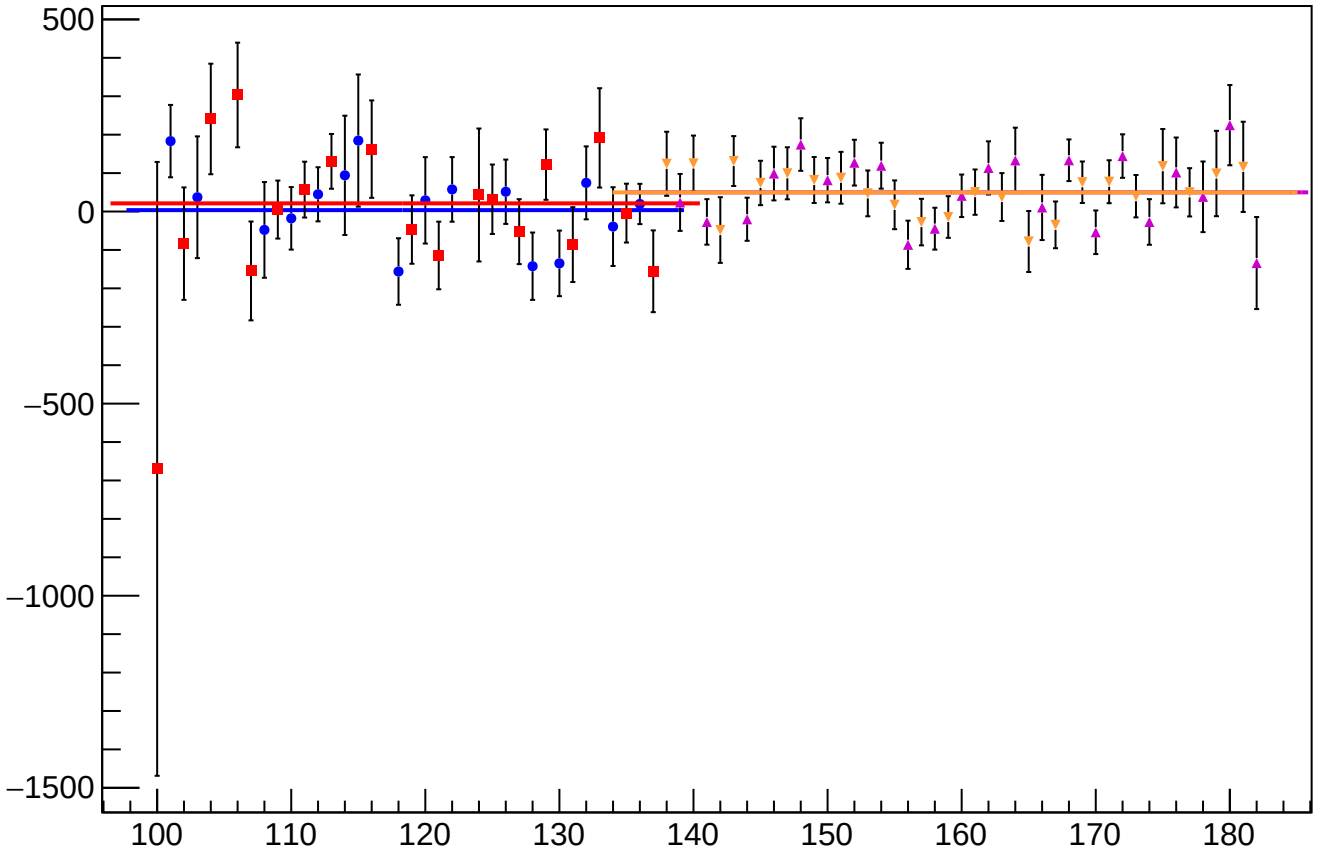
Left: 349.926+/-0.042 χ^2/NDF: 2101136.1/44

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 375.570+/-0.055 χ^2/NDF:2939786.4/37

Out: 376.578+/-0.054 χ^2/NDF:3122683.3/41

All: 376.078+/-0.038 χ^2/NDF: 6062641.1/79



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 49.739+/-13.676 χ^2/NDF:15.5/22

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 49.906+/-13.983 χ^2/NDF:36.0/21

Left: 49.821+/-9.777 χ^2/NDF: 51.5/44

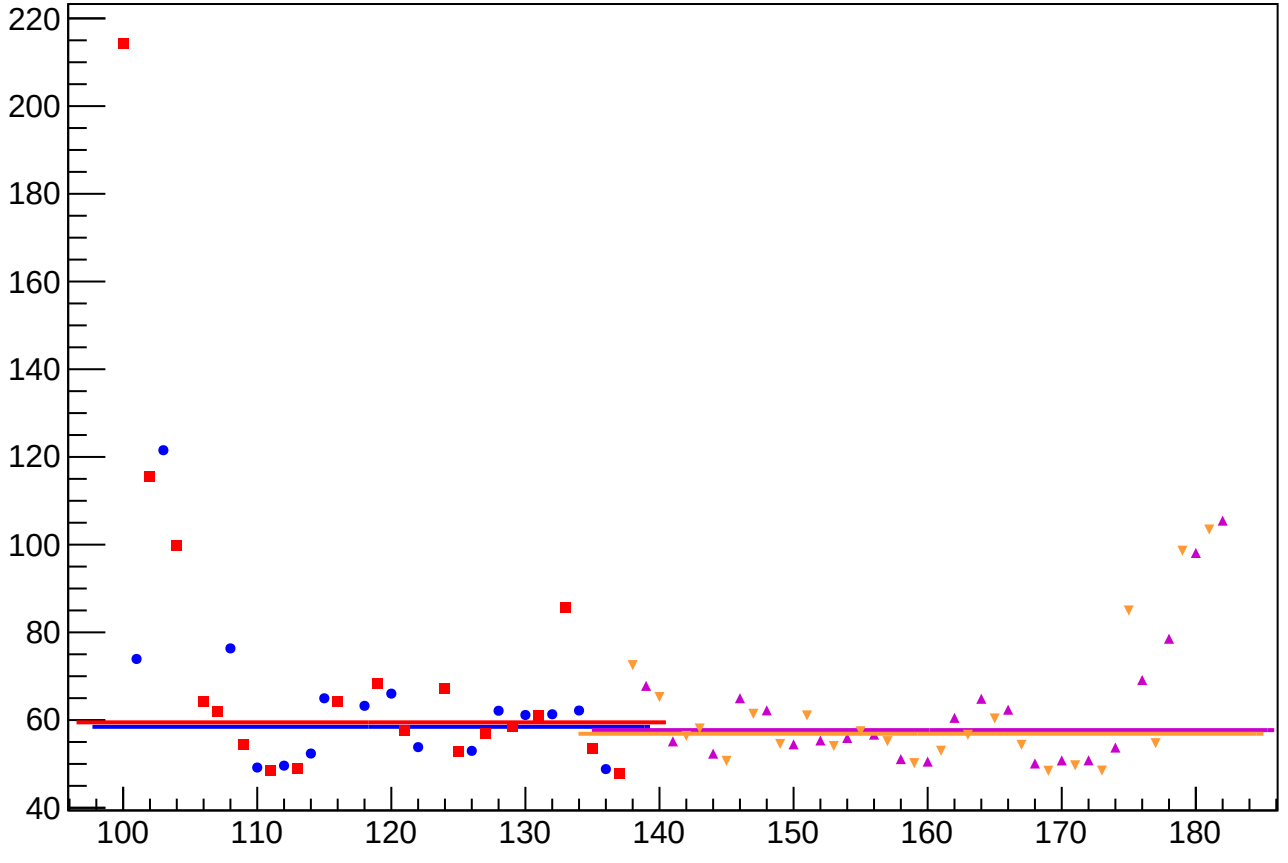
Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 36.988+/-11.873 χ^2/NDF:55.2/37

Out: 42.186+/-11.724 χ^2/NDF:41.0/41

All: 39.620+/-8.342 χ^2/NDF: 96.3/79

eigen_dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.883+/-0.010 χ^2/NDF:1089482.3/22

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 57.710+/-0.010 χ^2/NDF:1047168.5/21

Left: 57.287+/-0.007 χ^2/NDF: 2140226.9/44

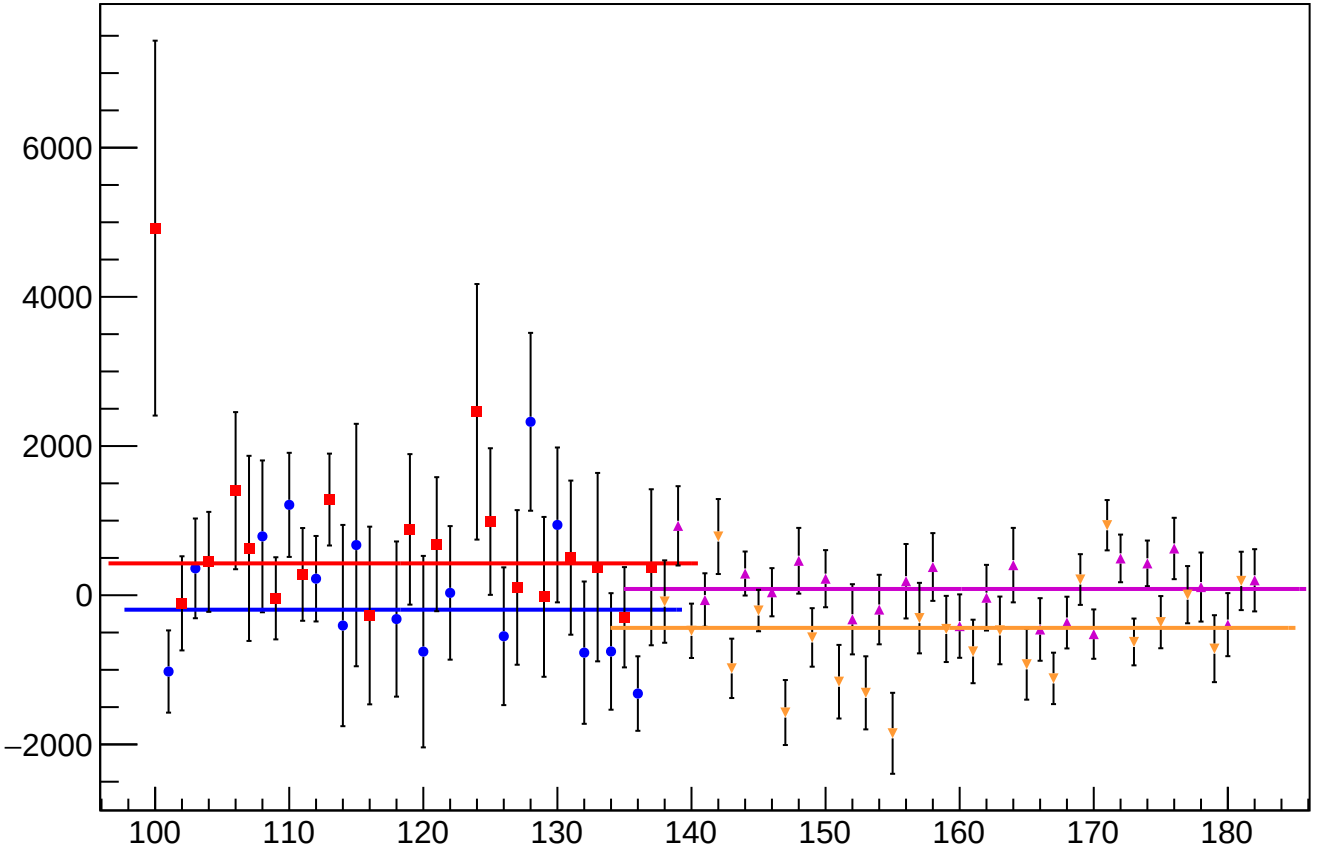
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 57.921+/-0.008 χ^2/NDF:1631778.1/37

Out: 57.573+/-0.008 χ^2/NDF:1893546.8/41

All: 57.744+/-0.006 χ^2/NDF: 3526195.7/79

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: -437.767+/-83.239 χ^2/NDF:58.5/22

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 83.912+/-83.746 χ^2/NDF:20.2/21

Left: -178.513+/-59.037 χ^2/NDF: 98.2/44

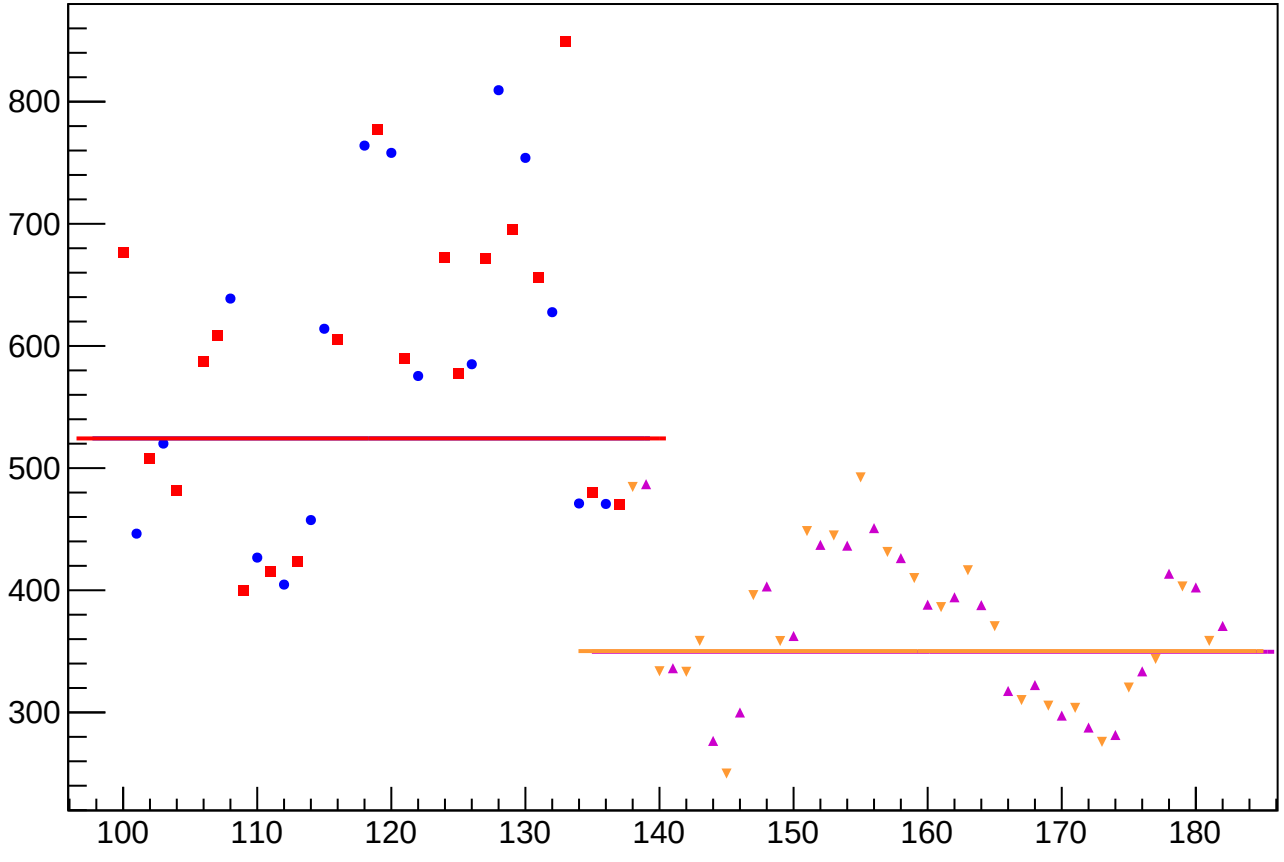
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 42.680+/-77.282 χ^2/NDF:42.6/37

Out: -306.774+/-76.676 χ^2/NDF:86.1/41

All: -133.423+/-54.431 χ^2/NDF: 139.1/79

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: 350.204+/-0.059 χ^2/NDF:1111231.8/22

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 349.644+/-0.059 χ^2/NDF:989847.9/21

Left: 349.926+/-0.042 χ^2/NDF: 2101124.7/44

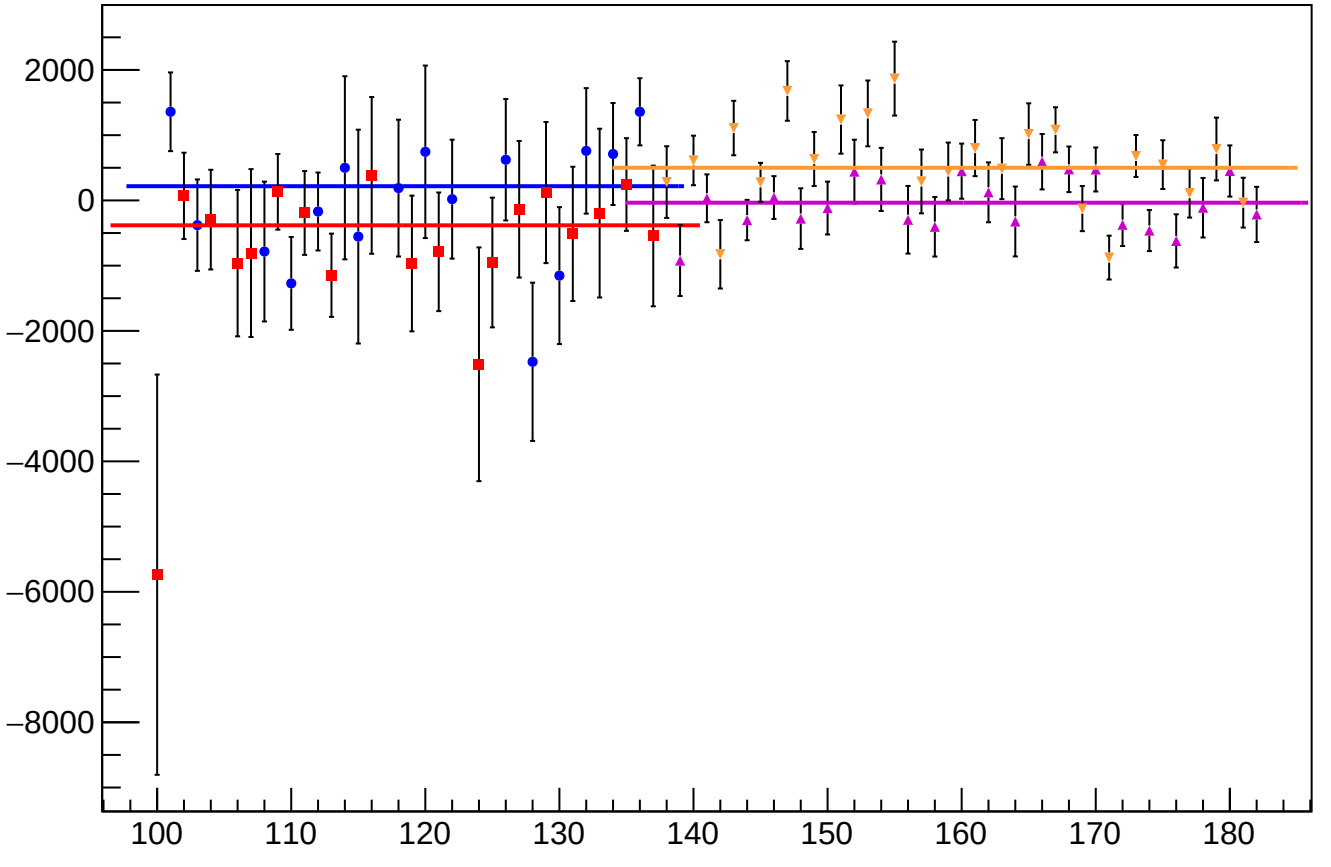
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 375.570+/-0.055 χ^2/NDF:2939776.3/37

Out: 376.578+/-0.054 χ^2/NDF:3122674.6/41

All: 376.078+/-0.038 χ^2/NDF: 6062622.2/79

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 500.227+/-85.560 χ^2/NDF:55.1/22

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -35.269+/-85.434 χ^2/NDF:21.3/21

Left: 232.085+/-60.455 χ^2/NDF: 96.0/44

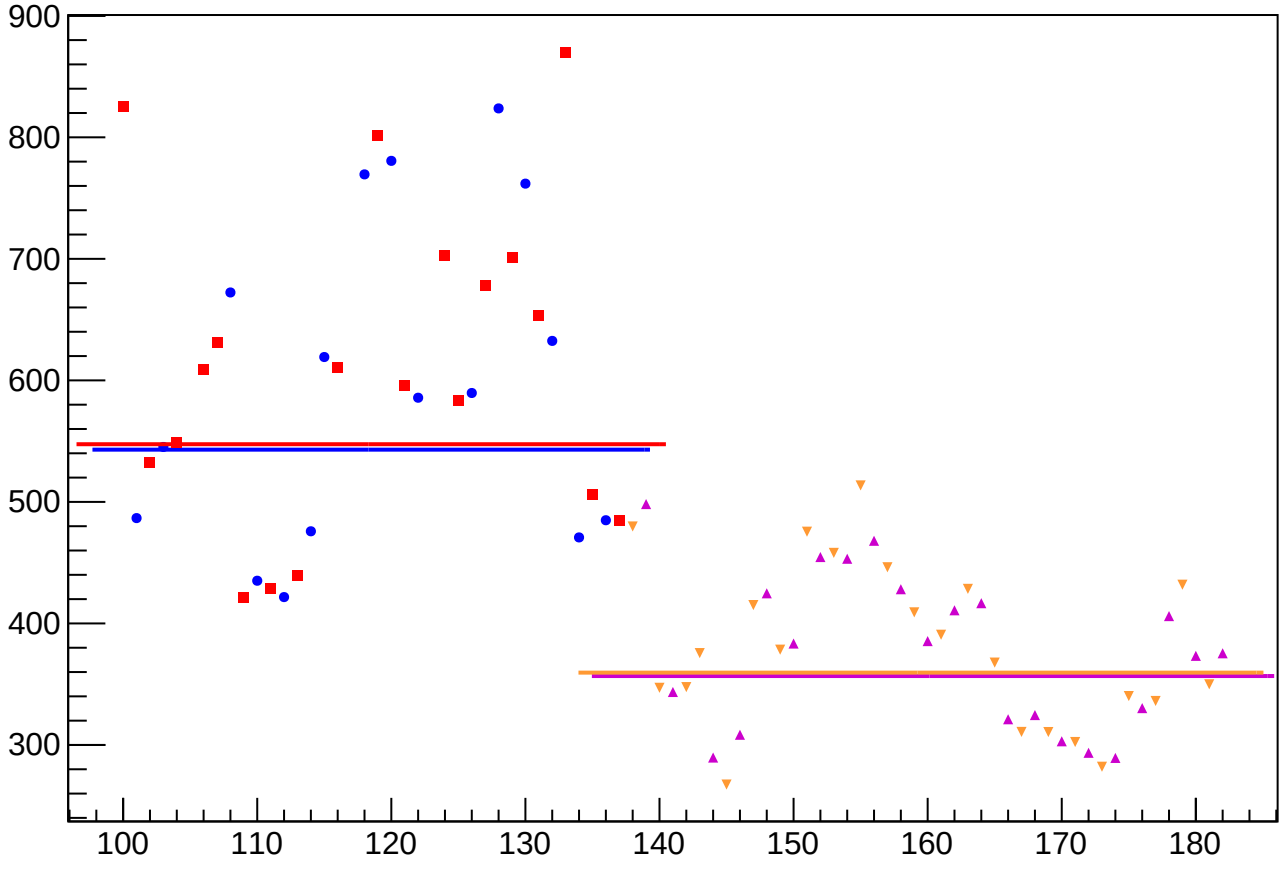
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 1.410+/-79.000 χ^2/NDF:45.4/37

Out: 370.005+/-78.992 χ^2/NDF:80.8/41

All: 185.725+/-55.859 χ^2/NDF: 137.1/79

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 359.528+/-0.061 χ^2/NDF:1104324.2/22

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 356.718+/-0.060 χ^2/NDF:977445.2/21

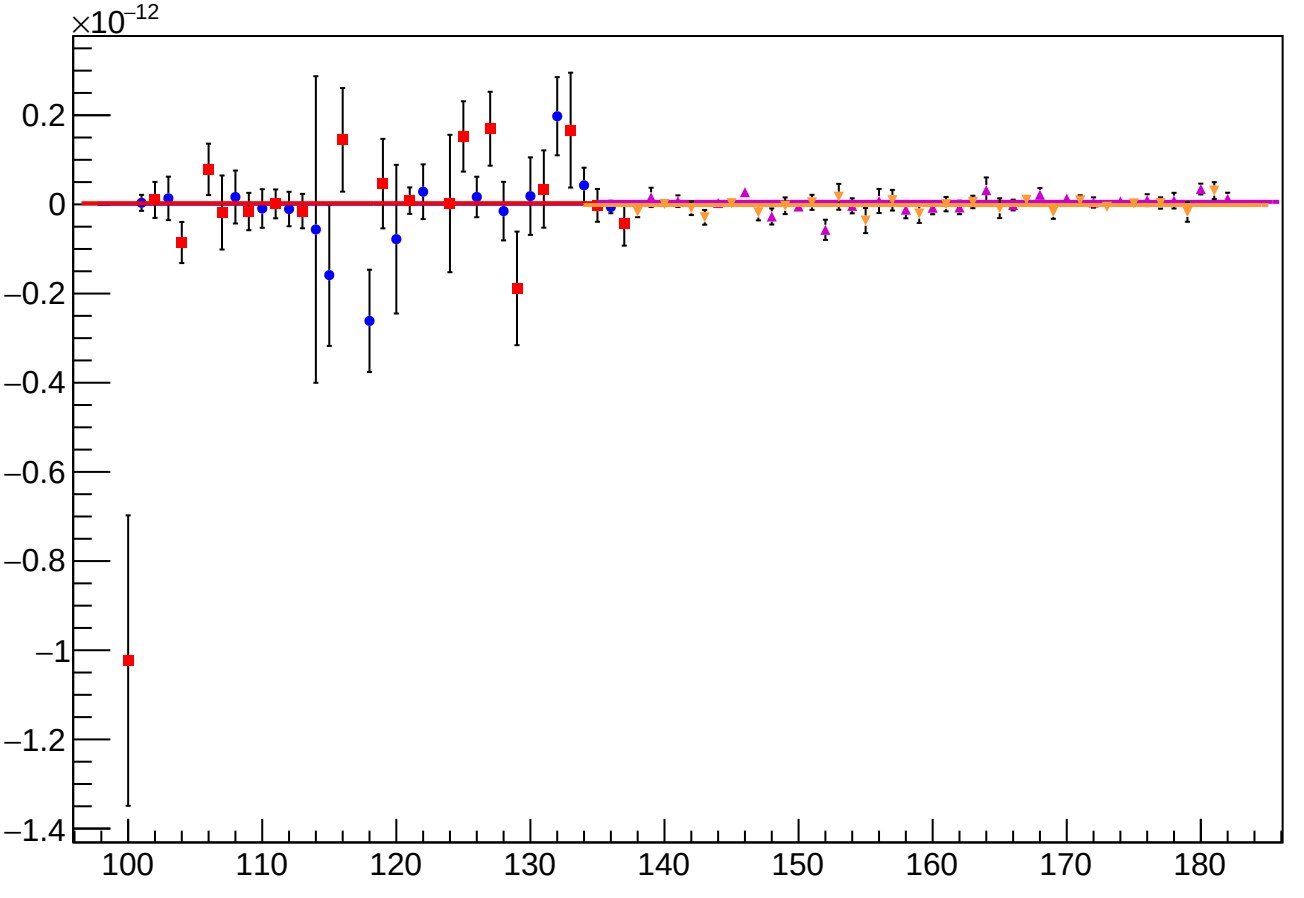
Left: 358.121+/-0.043 χ^2/NDF: 2082850.0/44

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 383.721+/-0.056 χ^2/NDF:2960998.8/37

Out: 387.274+/-0.056 χ^2/NDF:3159212.0/41

All: 385.498+/-0.039 χ^2/NDF: 6122233.9/79



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:27.9/21

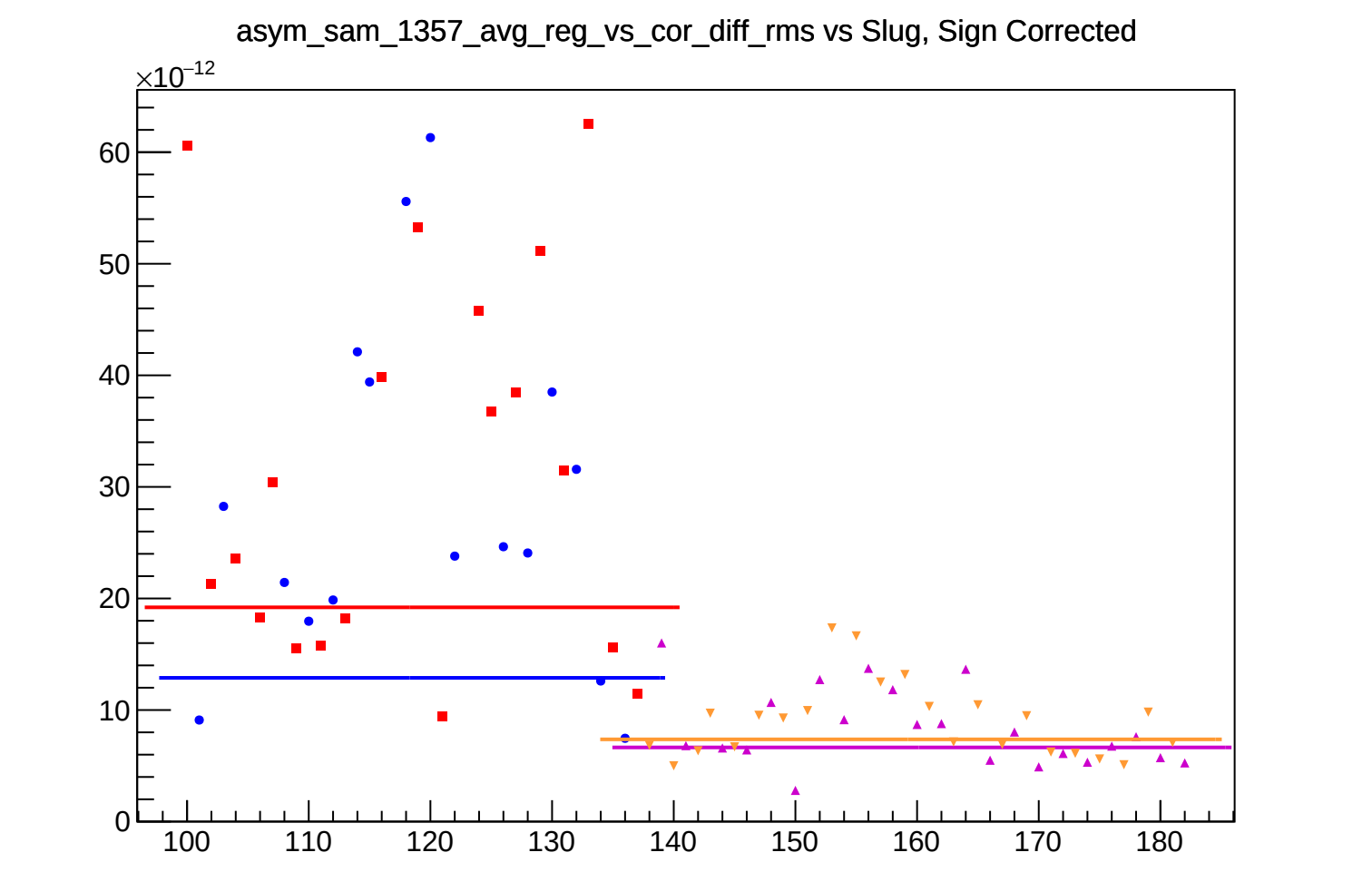
Left: 0.000+/-0.000 χ^2/NDF: 46.7/44

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

In: 0.000+/-0.000 χ^2/NDF:41.7/37

Out: -0.000+/-0.000 χ^2/NDF:45.9/41

All: 0.000+/-0.000 χ^2/NDF: 90.4/79



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1373567.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1743527.6/21

Left: 0.000+/-0.000 χ^2/NDF: 3180077.5/44

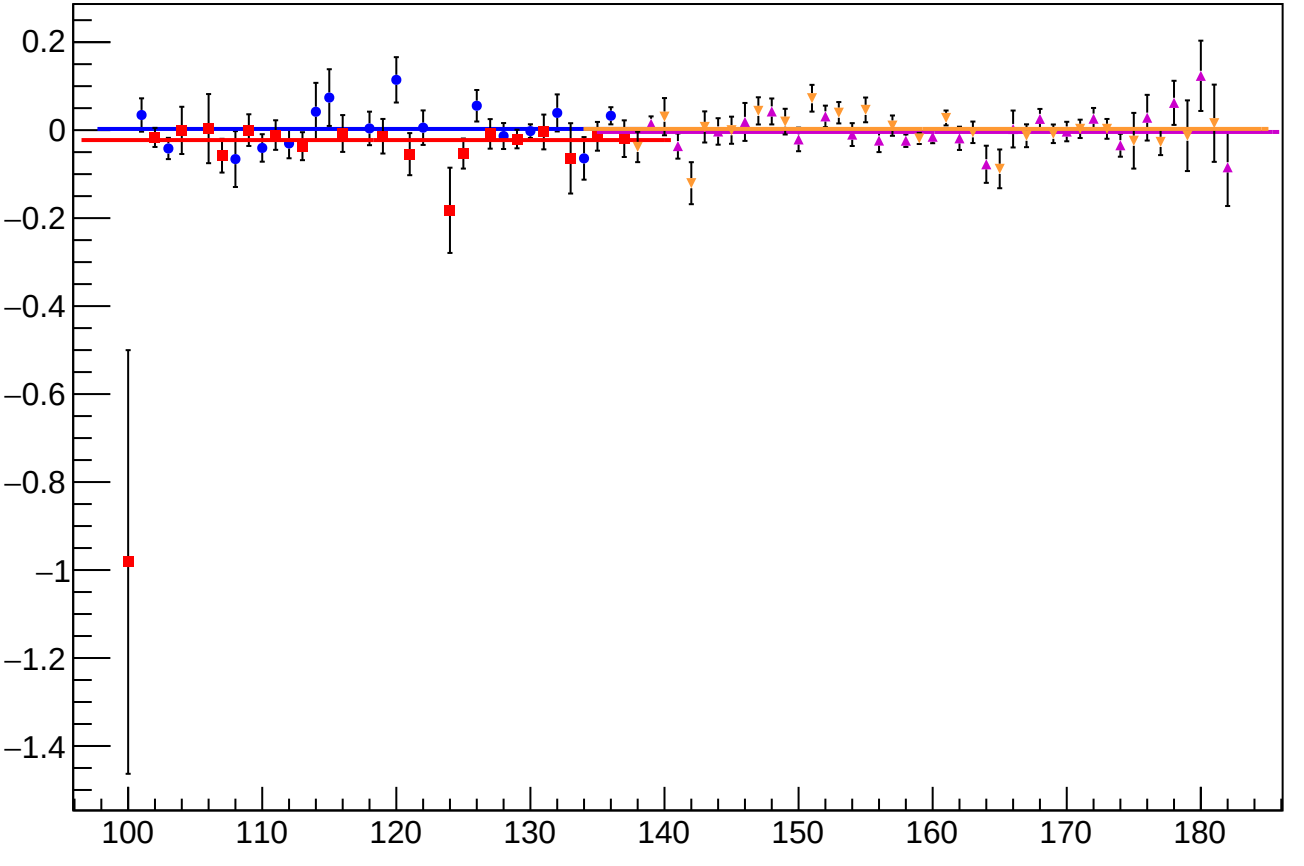
Right: 0.000+/-0.000 χ^2/NDF: 3472471.7/34

In: 0.000+/-0.000 χ^2/NDF:4361999.4/37

Out: 0.000+/-0.000 χ^2/NDF:4538413.7/41

All: 0.000+/-0.000 χ^2/NDF: 8986563.7/79

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: 0.003+/-0.005 χ^2/NDF:31.9/22

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.005 χ^2/NDF:24.3/21

Left: -0.001+/-0.004 χ^2/NDF: 57.0/44

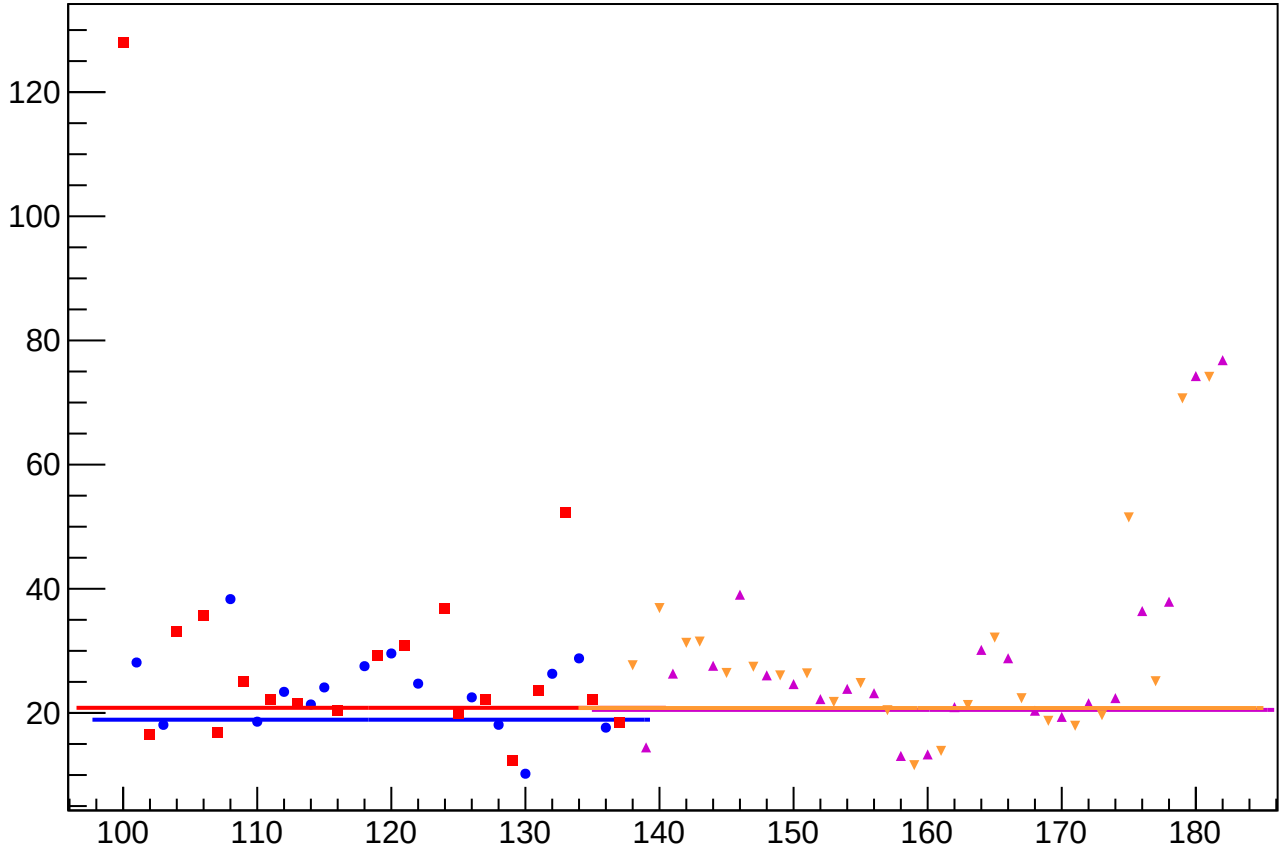
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:46.7/37

Out: -0.005+/-0.005 χ^2/NDF:49.1/41

All: -0.003+/-0.003 χ^2/NDF: 96.0/79

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: 20.793+/-0.004 χ^2/NDF:4601243.7/22

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.492+/-0.004 χ^2/NDF:4373025.4/21

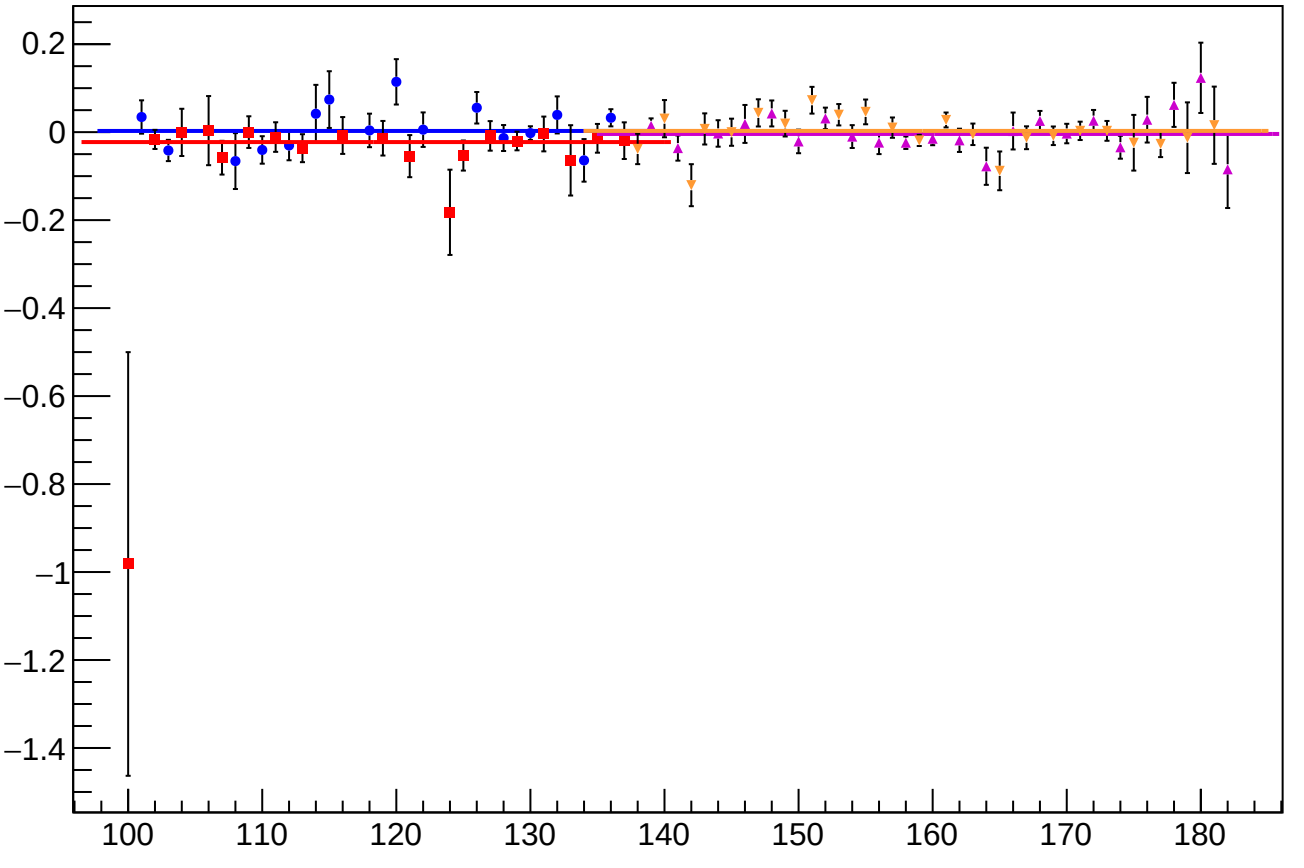
Left: 20.642+/-0.003 χ^2/NDF: 8977302.5/44

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.975+/-0.003 χ^2/NDF:5818585.7/37

Out: 20.803+/-0.003 χ^2/NDF:5892807.2/41

All: 20.377+/-0.002 χ^2/NDF: 11744798.9/79



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/22

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.005 χ^2/NDF:24.3/21

Left: -0.001+/-0.004 χ^2/NDF: 57.0/44

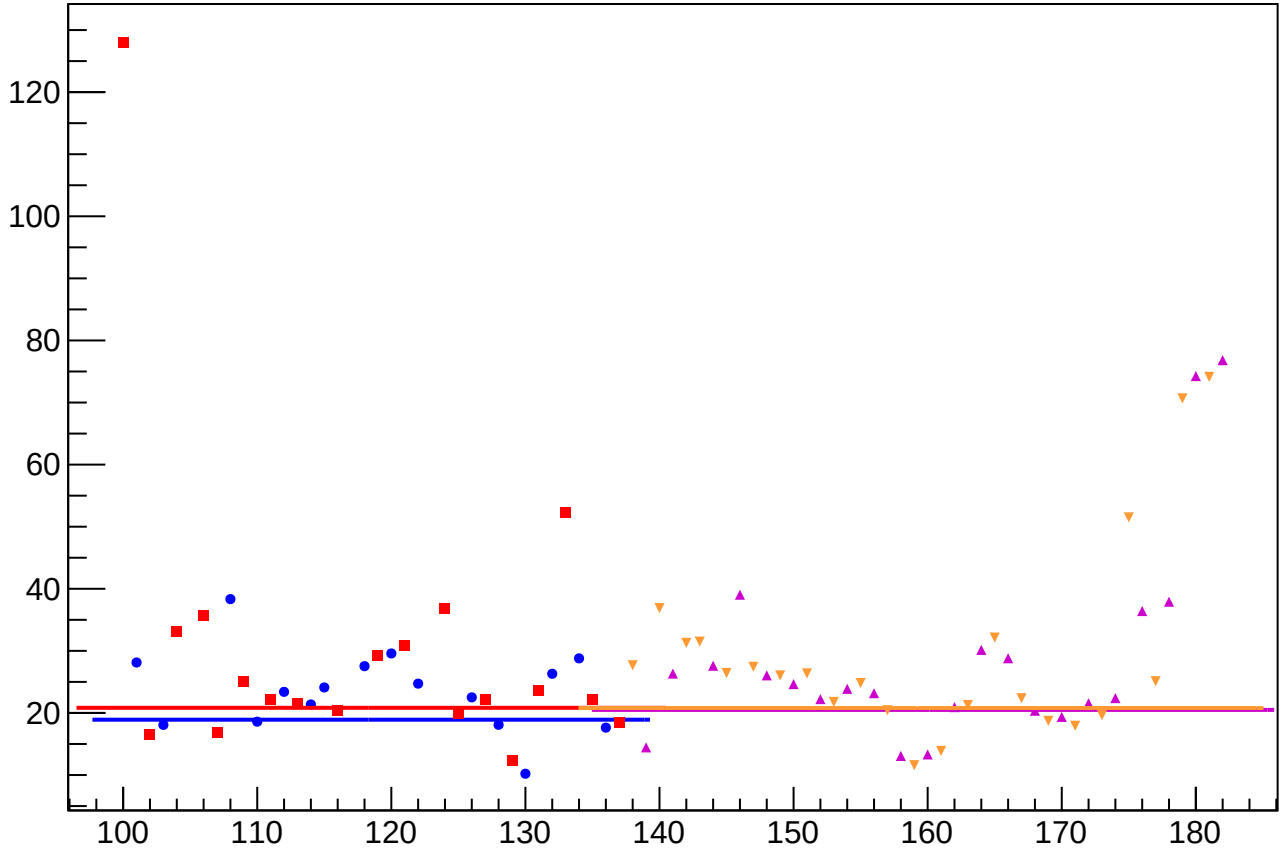
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:46.7/37

Out: -0.005+/-0.005 χ^2/NDF:49.1/41

All: -0.003+/-0.003 χ^2/NDF: 96.0/79

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: 20.793+/-0.004 χ^2/NDF:4601243.7/22

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.492+/-0.004 χ^2/NDF:4373025.4/21

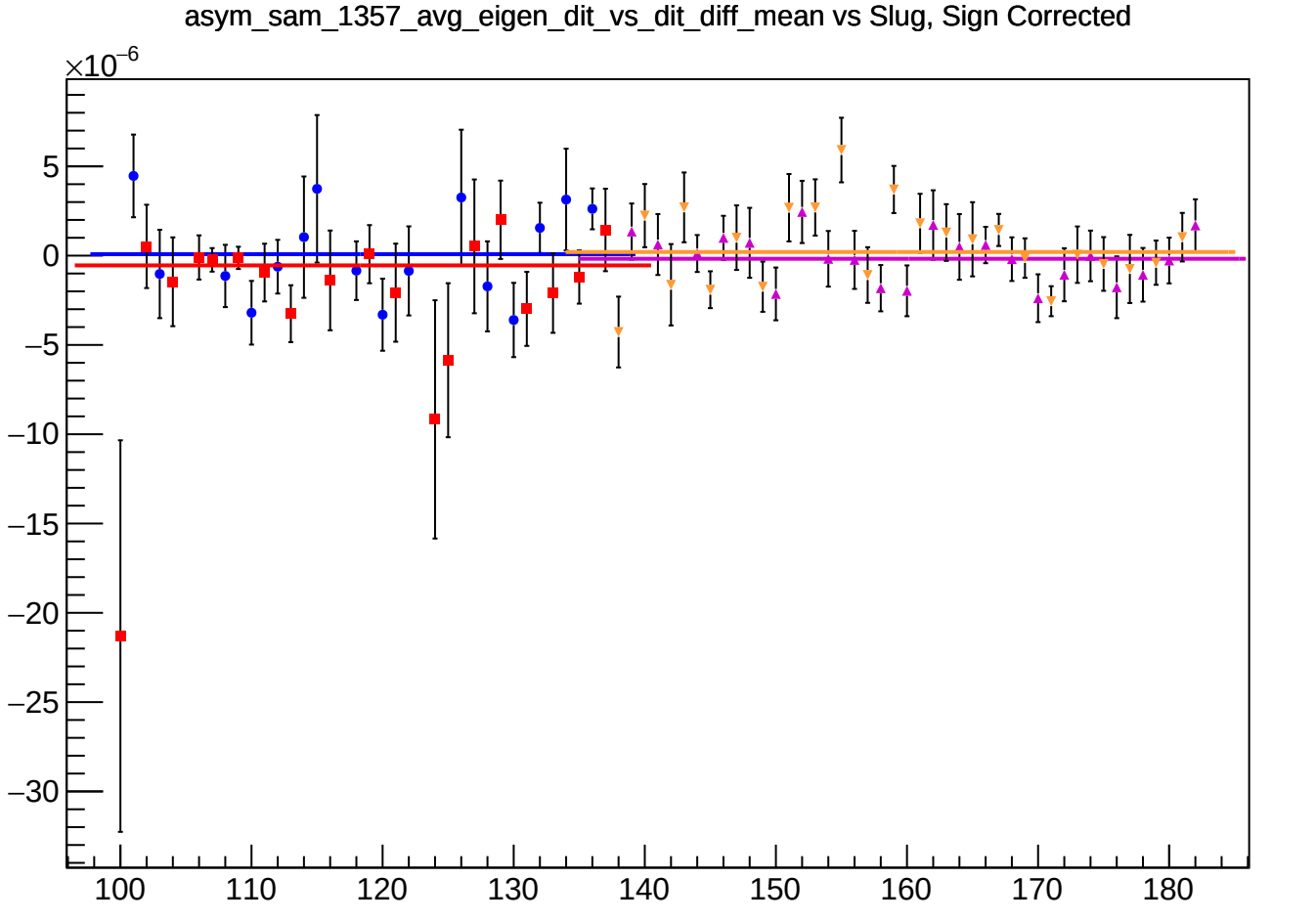
Left: 20.642+/-0.003 χ^2/NDF: 8977302.5/44

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.975+/-0.003 χ^2/NDF:5818585.7/37

Out: 20.803+/-0.003 χ^2/NDF:5892807.2/41

All: 20.377+/-0.002 χ^2/NDF: 11744798.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.2/22

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.2/21

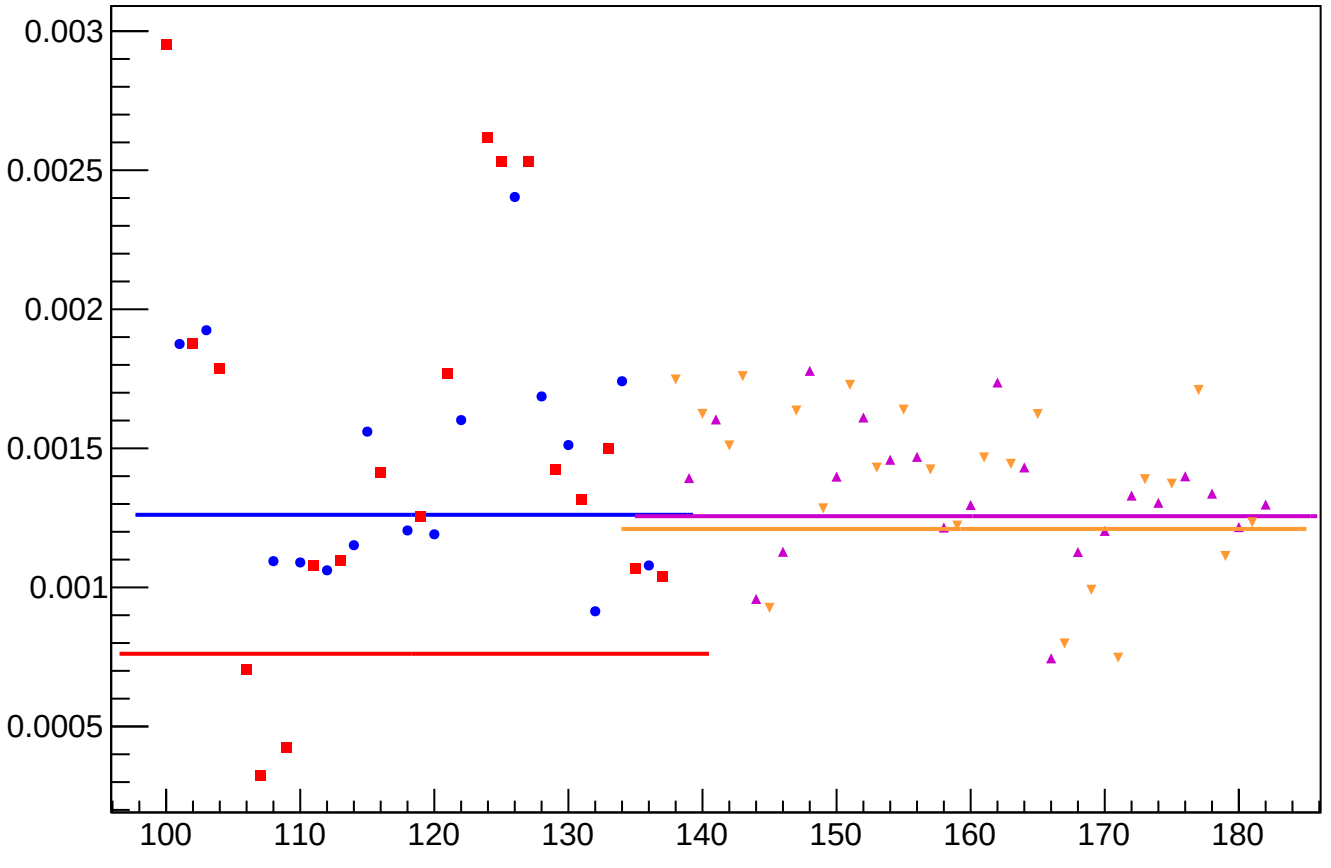
Left: 0.000+/-0.000 χ^2/NDF: 70.2/44

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: -0.000+/-0.000 χ^2/NDF:40.9/37

Out: -0.000+/-0.000 χ^2/NDF:70.7/41

All: -0.000+/-0.000 χ^2/NDF: 111.6/79



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:2532232.1/22

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1301000.3/21

Left: 0.001+/-0.000 χ^2/NDF: 3856713.8/44

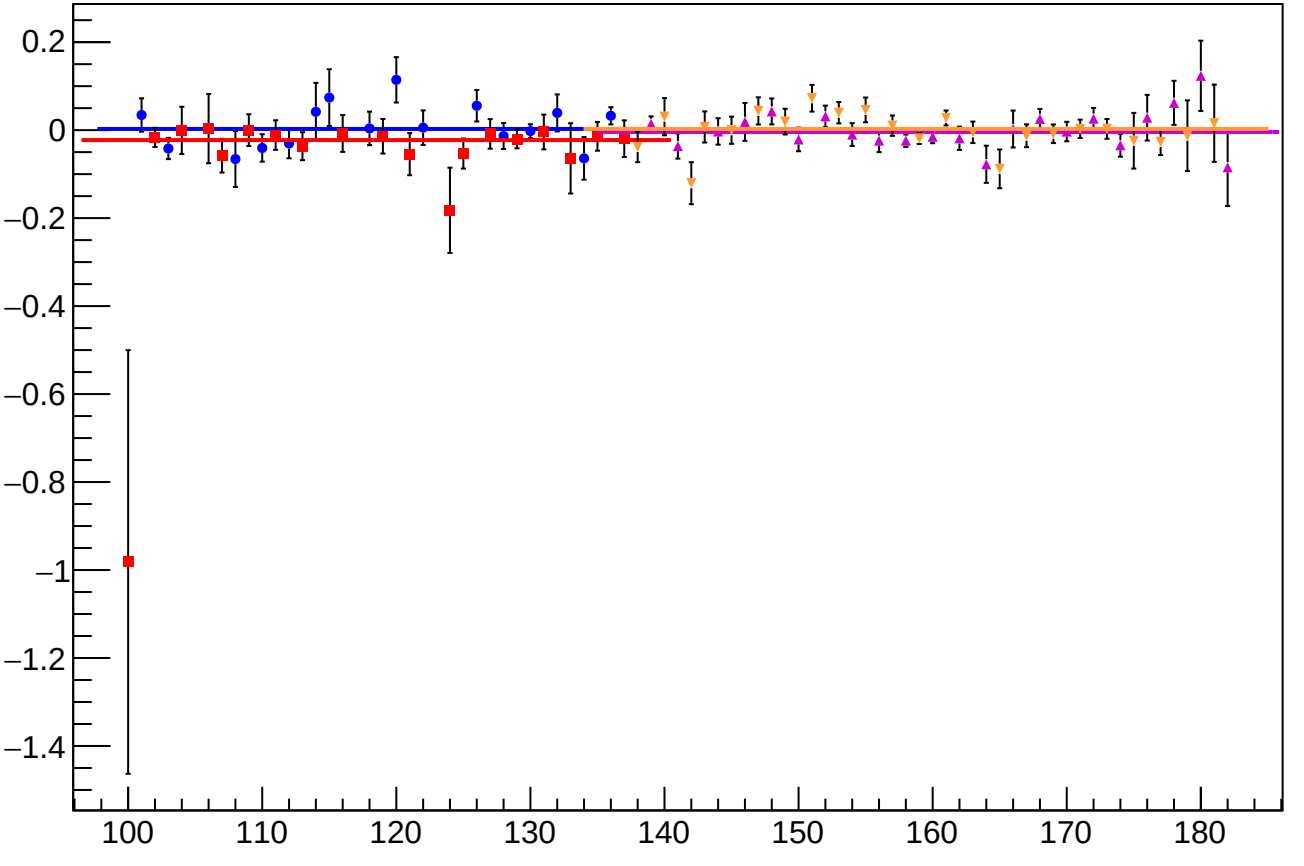
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:2208491.0/37

Out: 0.001+/-0.000 χ^2/NDF:9208110.4/41

All: 0.001+/-0.000 χ^2/NDF: 12417045.0/79

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: 0.003+/-0.005 χ^2/NDF:31.9/22

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.005 χ^2/NDF:24.3/21

Left: -0.001+/-0.004 χ^2/NDF: 57.0/44

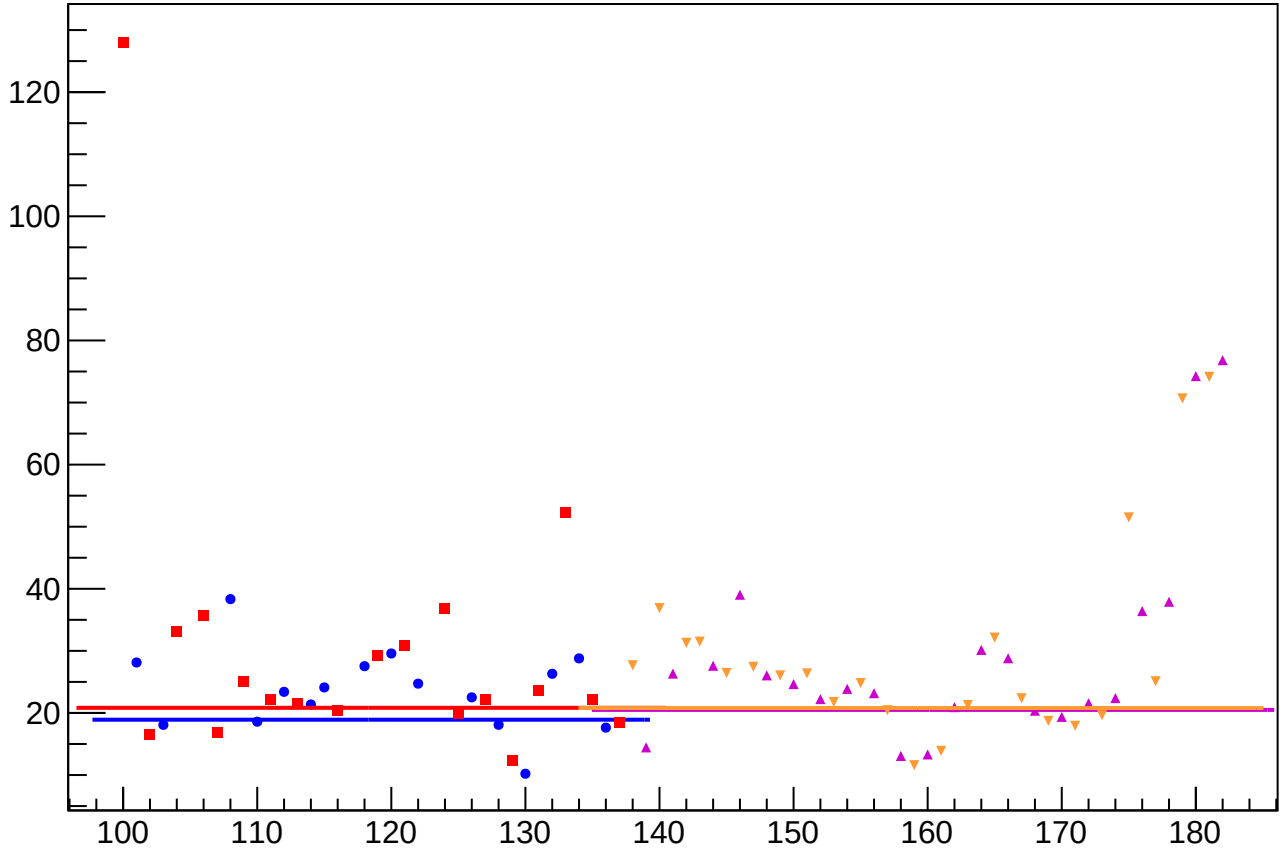
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:46.7/37

Out: -0.005+/-0.005 χ^2/NDF:49.1/41

All: -0.003+/-0.003 χ^2/NDF: 96.0/79

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: 20.793+/-0.004 χ^2/NDF:4601387.0/22

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.492+/-0.004 χ^2/NDF:4373032.0/21

Left: 20.642+/-0.003 χ^2/NDF: 8977448.9/44

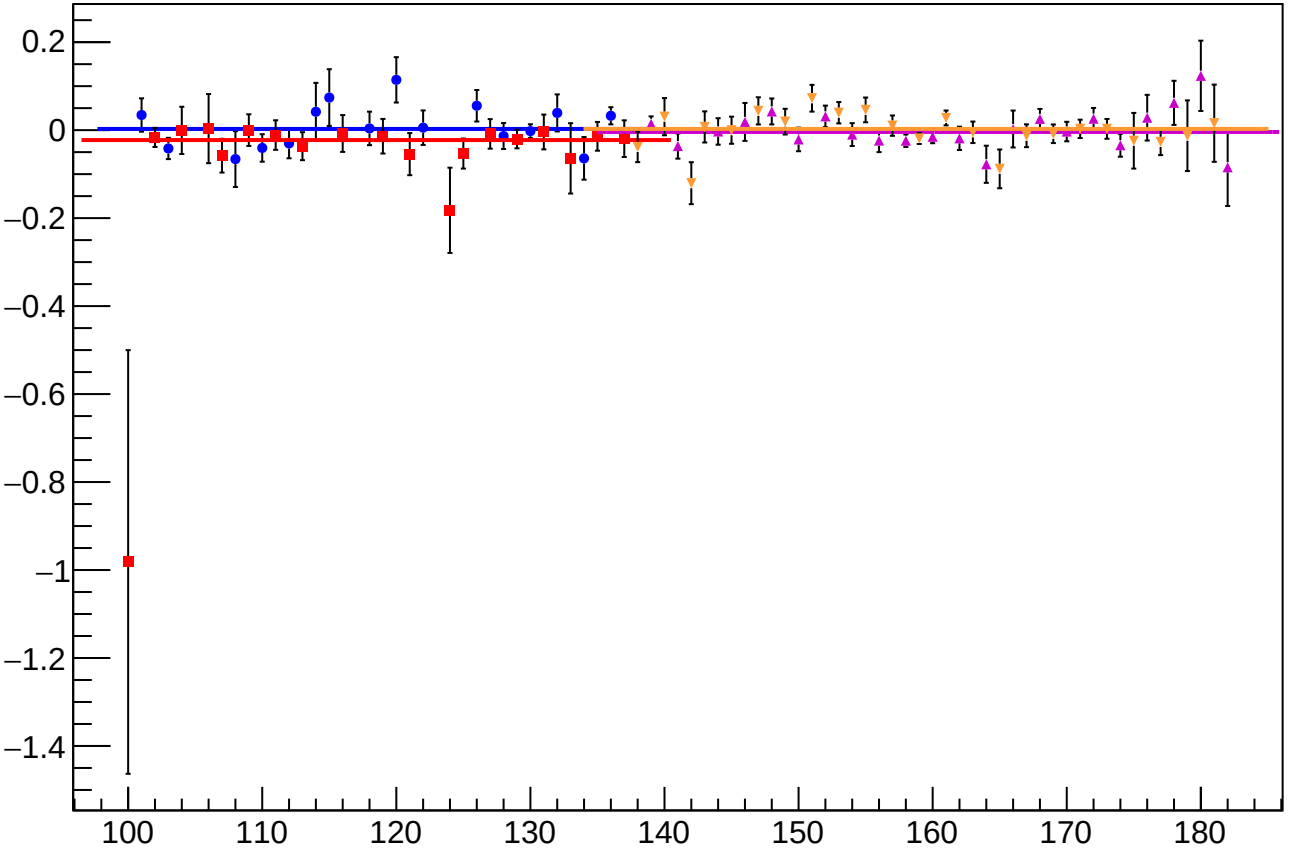
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.975+/-0.003 χ^2/NDF:5818461.7/37

Out: 20.803+/-0.003 χ^2/NDF:5892946.9/41

All: 20.377+/-0.002 χ^2/NDF: 11744798.7/79

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: 0.003+/-0.005 χ^2/NDF:31.9/22

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.005 χ^2/NDF:24.3/21

Left: -0.001+/-0.004 χ^2/NDF: 57.0/44

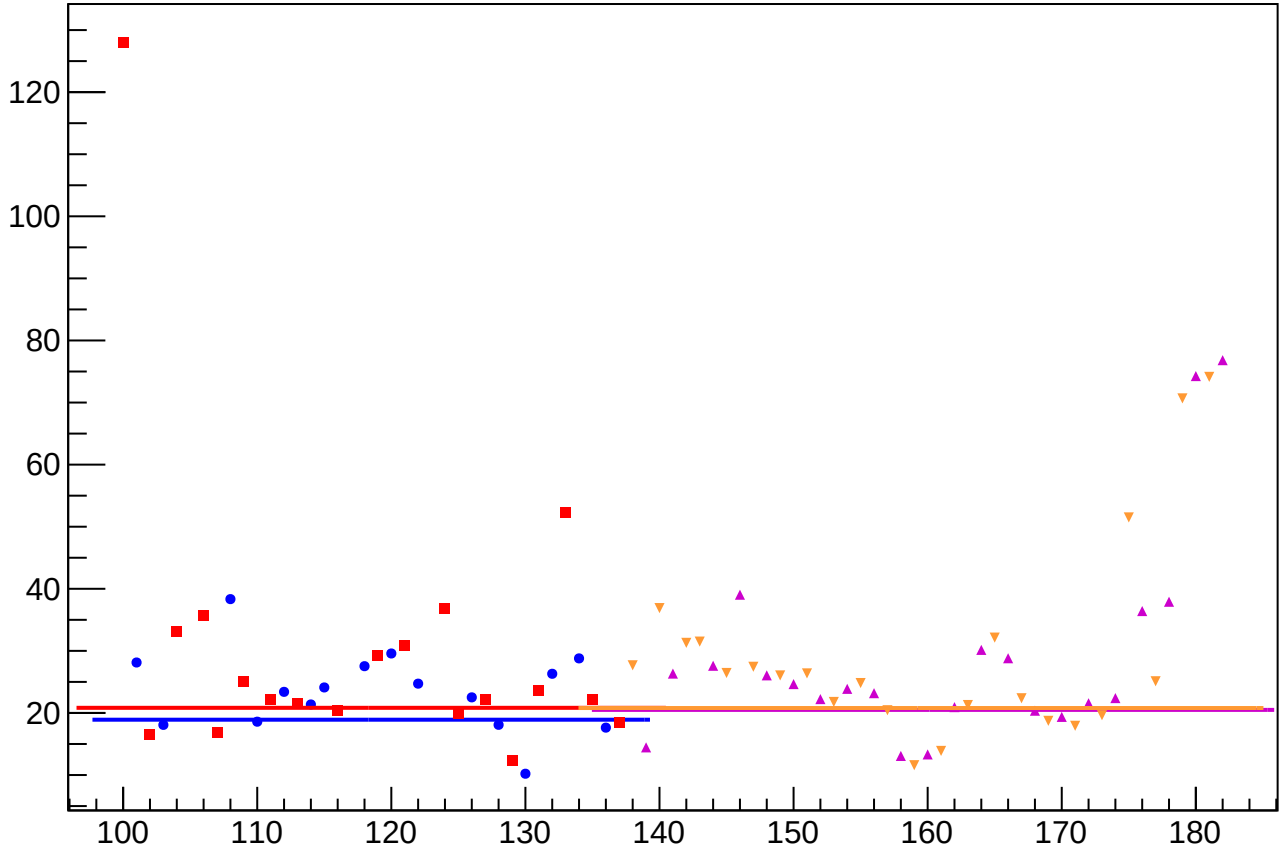
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:46.7/37

Out: -0.005+/-0.005 χ^2/NDF:49.1/41

All: -0.003+/-0.003 χ^2/NDF: 96.0/79

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: 20.793+/-0.004 χ^2/NDF:4601387.0/22

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.492+/-0.004 χ^2/NDF:4373032.0/21

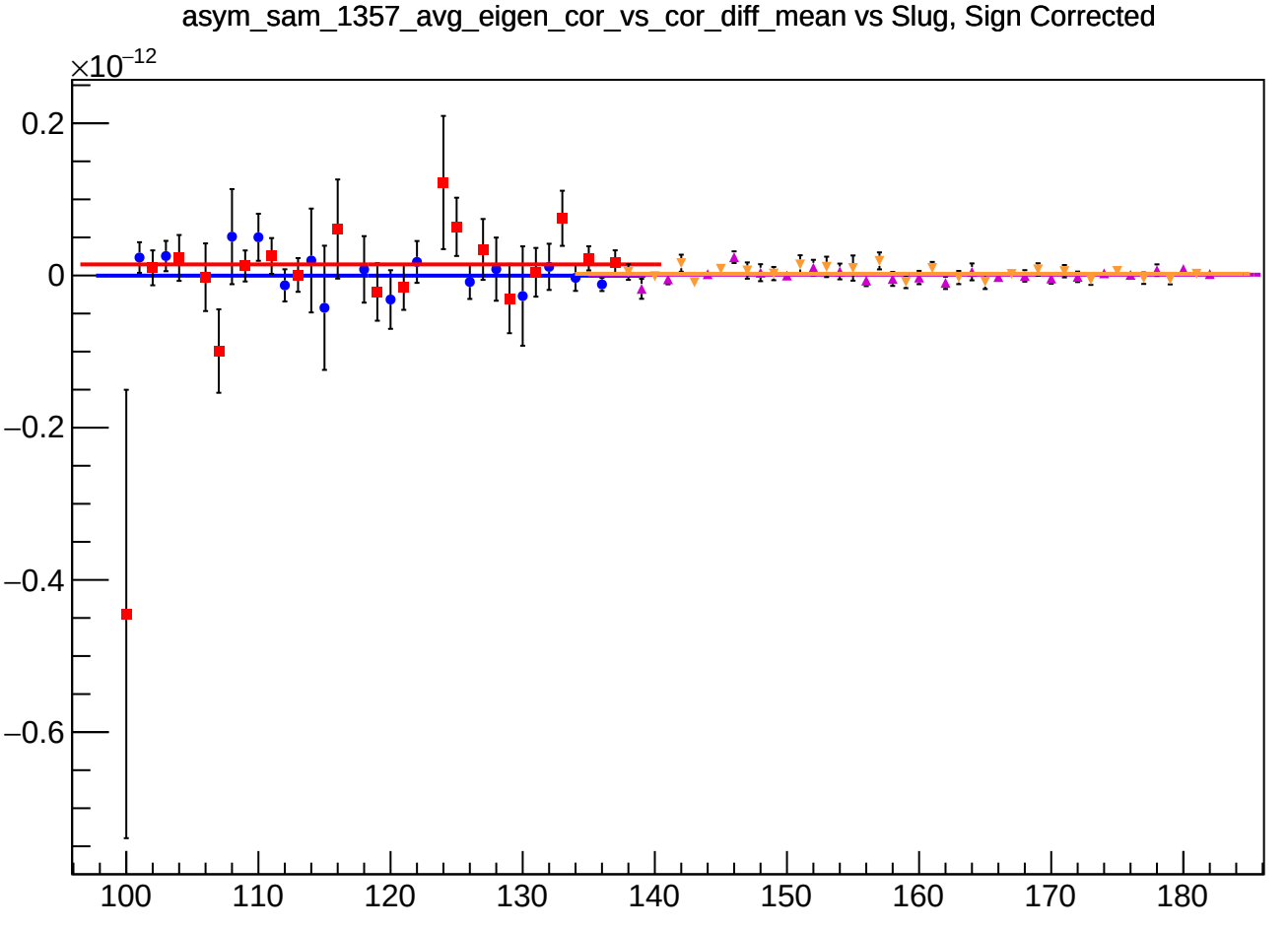
Left: 20.642+/-0.003 χ^2/NDF: 8977448.9/44

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.975+/-0.003 χ^2/NDF:5818461.7/37

Out: 20.803+/-0.003 χ^2/NDF:5892946.9/41

All: 20.377+/-0.002 χ^2/NDF: 11744798.7/79



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:19.6/21

Left: 0.000+/-0.000 χ^2/NDF: 38.9/44

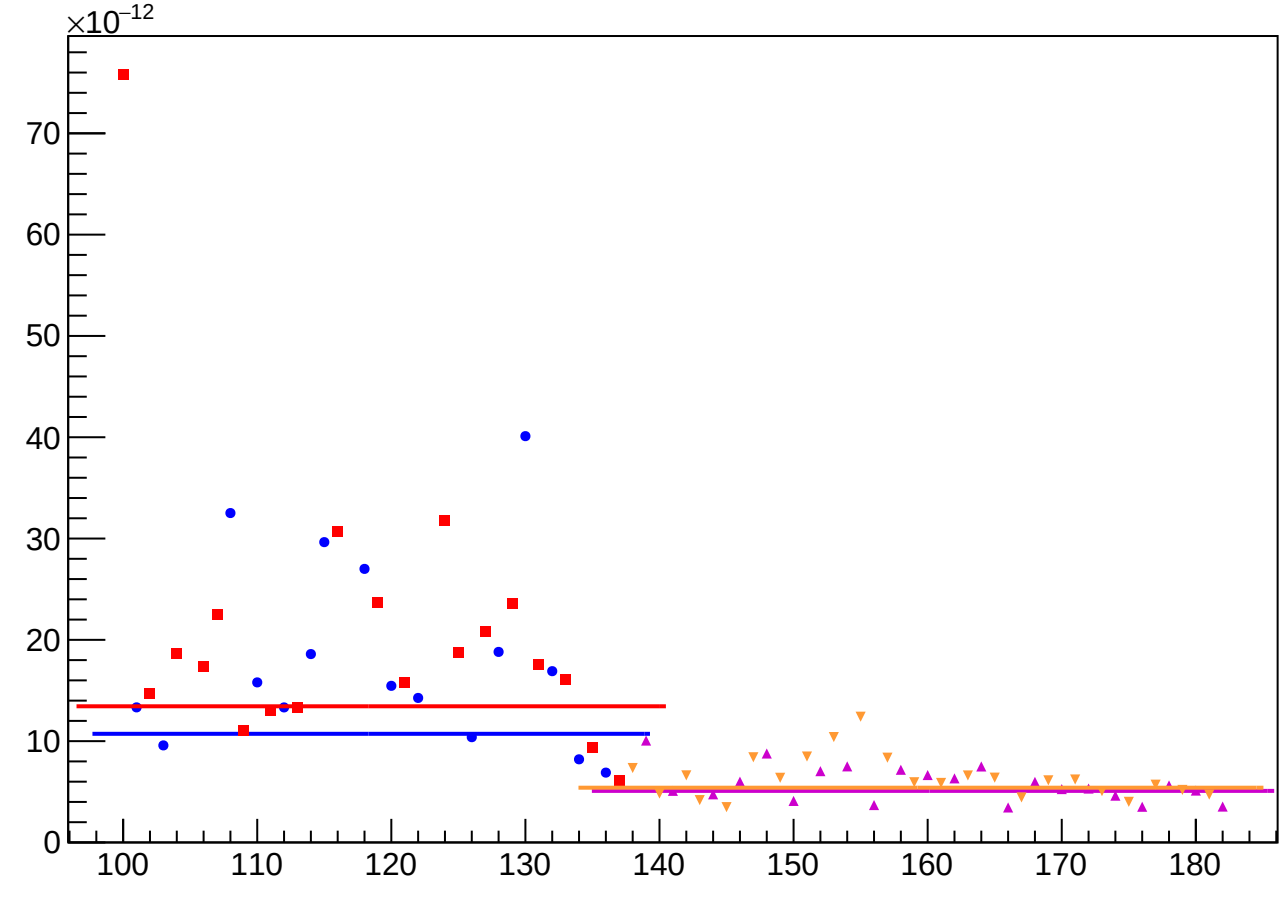
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:30.1/37

Out: 0.000+/-0.000 χ^2/NDF:40.1/41

All: 0.000+/-0.000 χ^2/NDF: 71.0/79

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1917786.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1700829.6/21

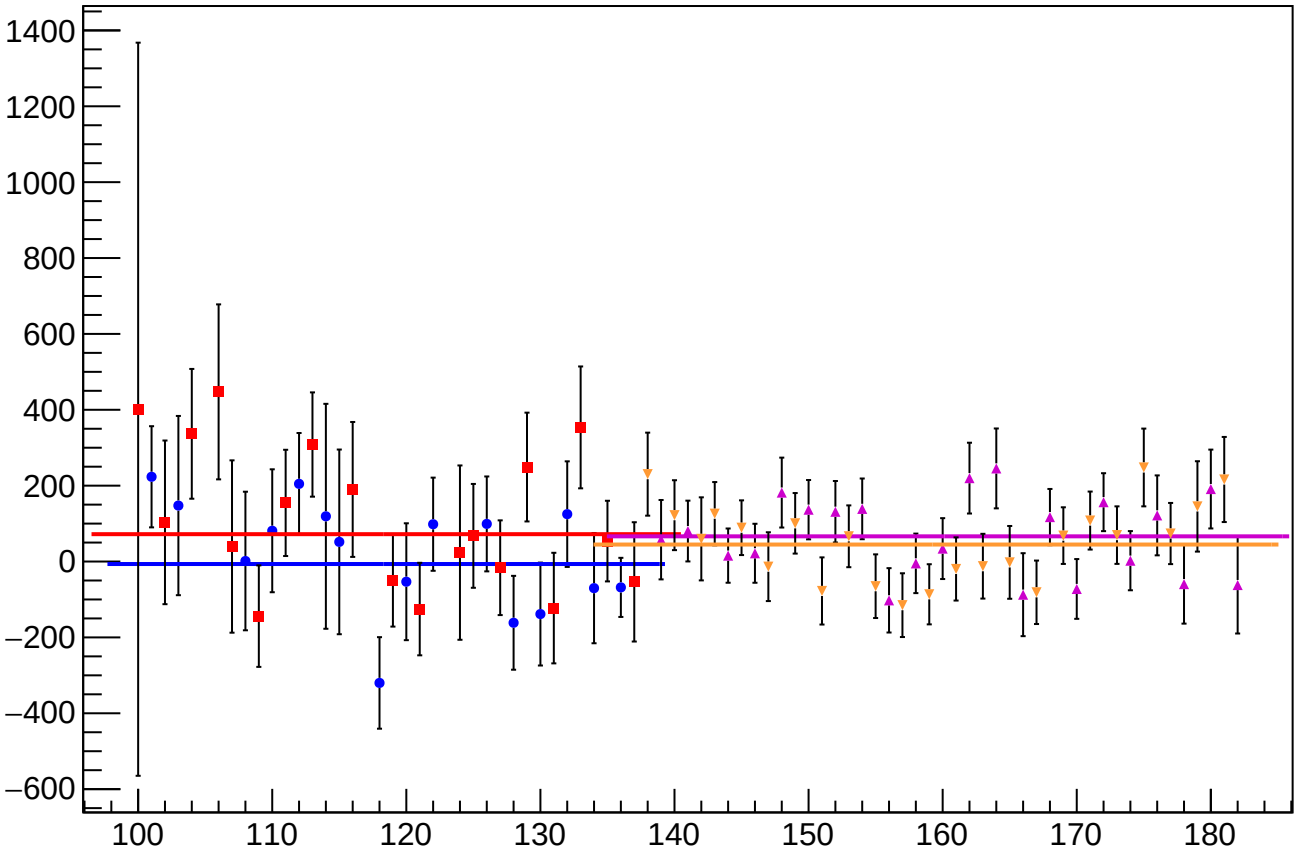
Left: 0.000+/-0.000 χ^2/NDF: 3659238.5/44

Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

In: 0.000+/-0.000 χ^2/NDF:5418530.4/37

Out: 0.000+/-0.000 χ^2/NDF:6174915.9/41

All: 0.000+/-0.000 χ^2/NDF: 11653147.9/79



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 44.788+/-18.027 χ^2/NDF:27.4/22

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 66.418+/-18.384 χ^2/NDF:27.0/21

Left: 55.390+/-12.871 χ^2/NDF: 55.2/44

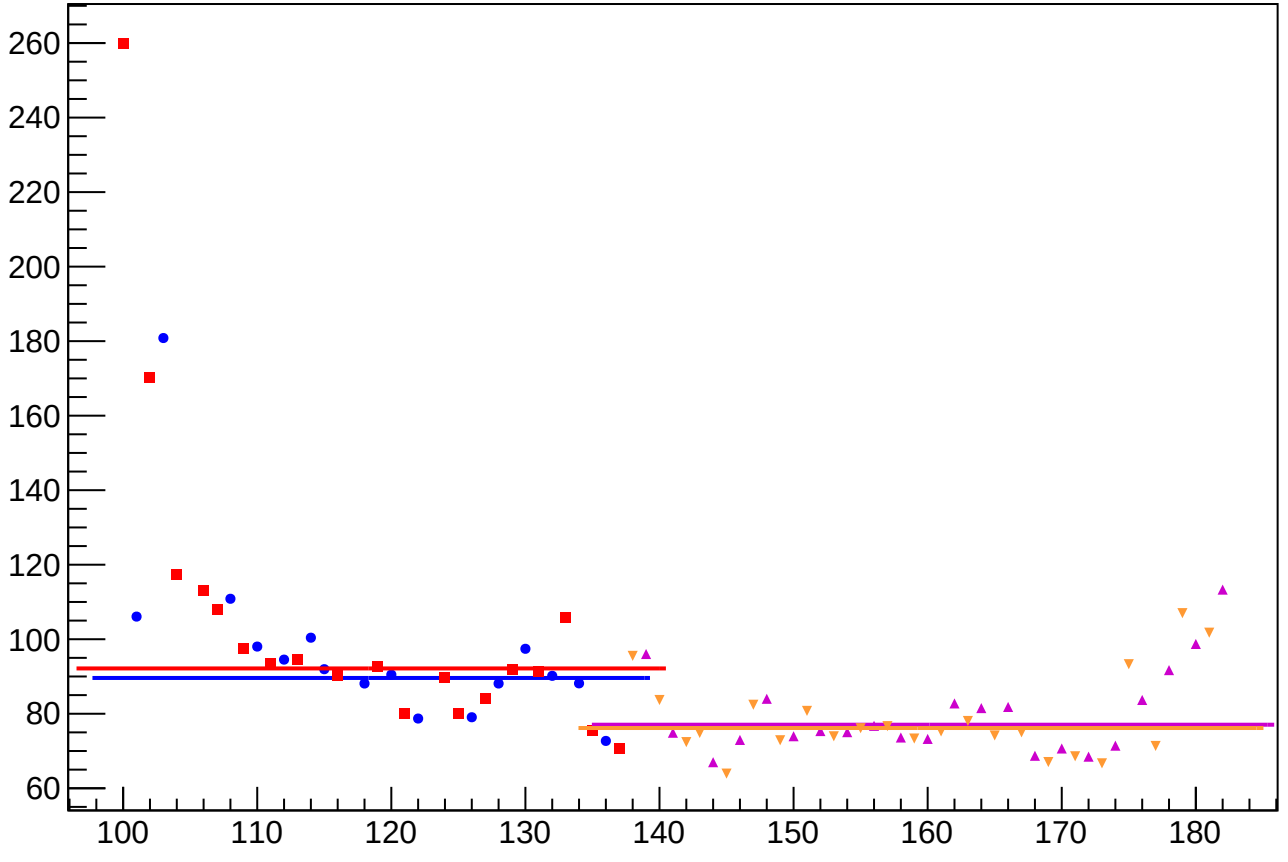
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 50.122+/-16.202 χ^2/NDF:49.5/37

Out: 50.549+/-16.015 χ^2/NDF:50.7/41

All: 50.338+/-11.390 χ^2/NDF: 100.2/79

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.172+/-0.013 χ^2/NDF:543143.9/22

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 77.058+/-0.013 χ^2/NDF:521860.2/21

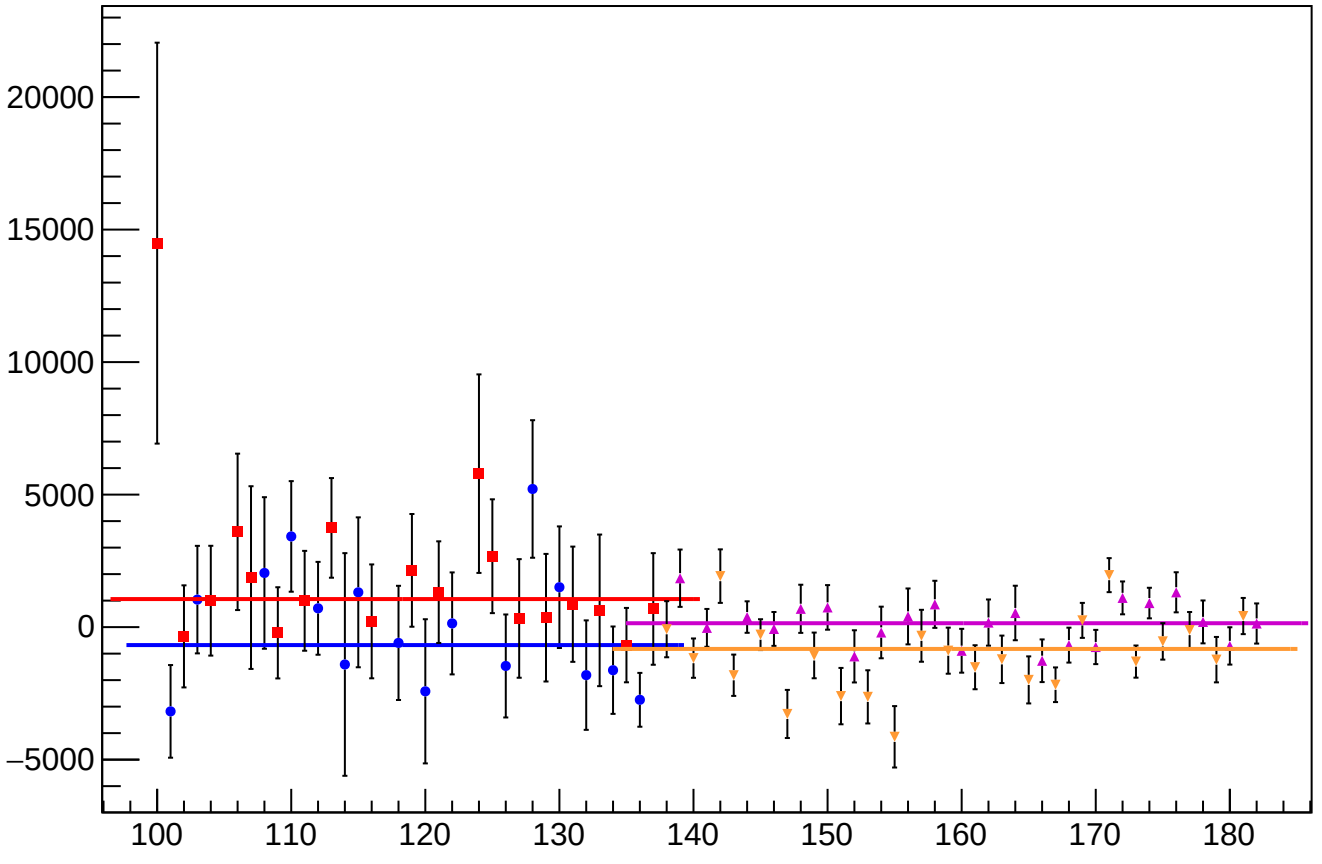
Left: 76.606+/-0.009 χ^2/NDF: 1067373.4/44

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 79.859+/-0.011 χ^2/NDF:1228234.6/37

Out: 79.542+/-0.011 χ^2/NDF:1416868.7/41

All: 79.699+/-0.008 χ^2/NDF: 2645492.1/79



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -822.509+/-163.622 χ^2/NDF:66.3/22

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 147.210+/-163.103 χ^2/NDF:22.4/21

Left: -336.111+/-115.514 χ^2/NDF: 106.3/44

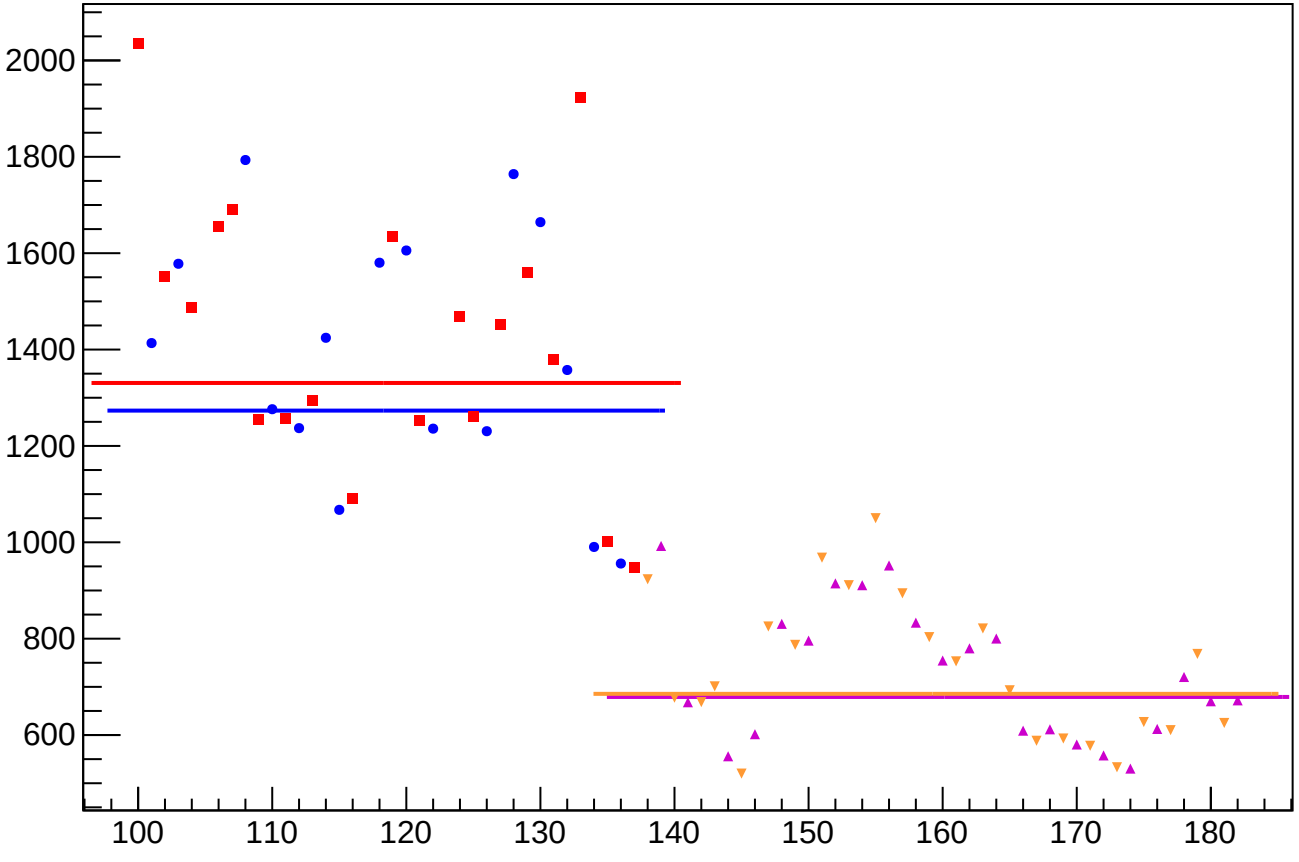
Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 63.885+/-154.643 χ^2/NDF:45.2/37

Out: -638.111+/-155.396 χ^2/NDF:90.7/41

All: -285.408+/-109.615 χ^2/NDF: 146.2/79

asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 685.507+/-0.116 χ^2/NDF:1305953.5/22

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 679.060+/-0.115 χ^2/NDF:1184673.4/21

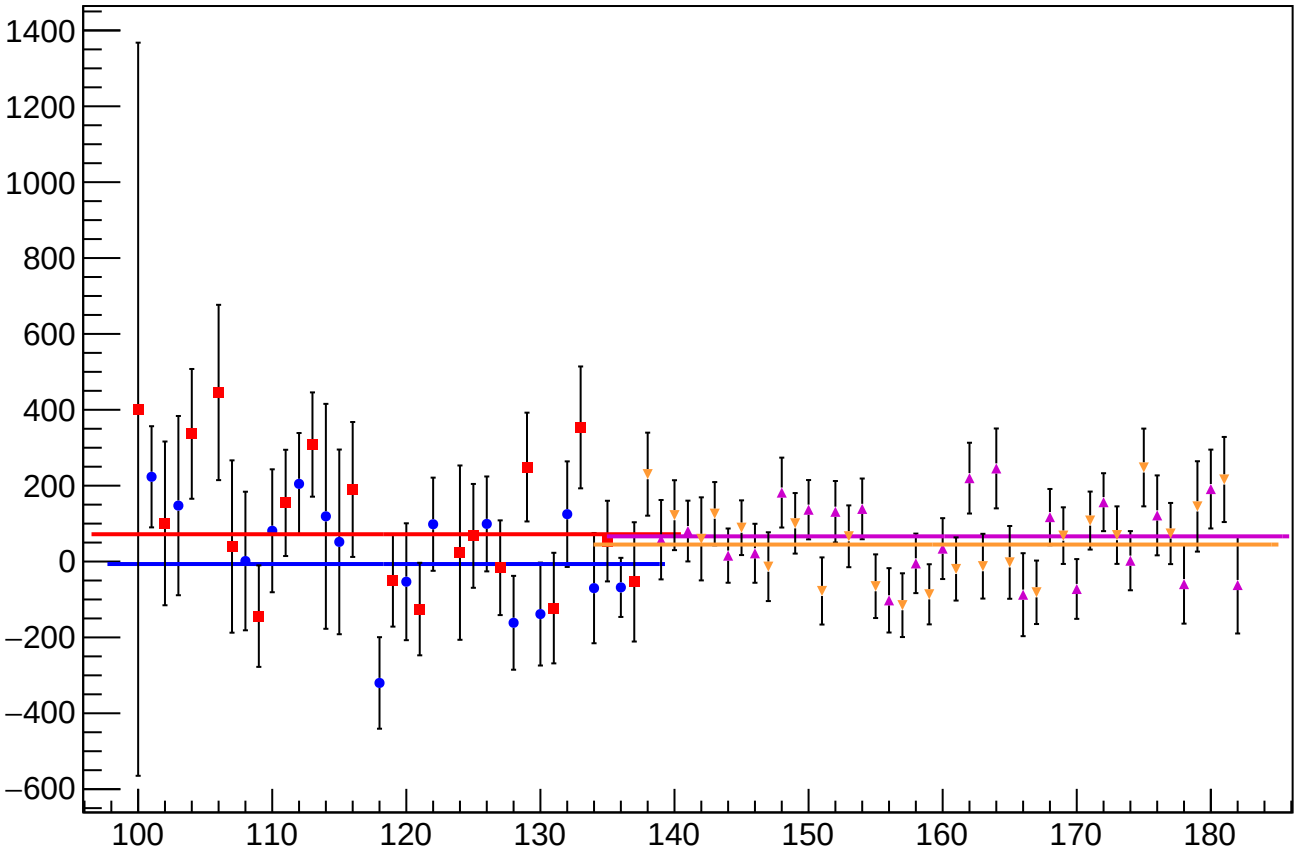
Left: 682.273+/-0.082 χ^2/NDF: 2492184.4/44

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 739.110+/-0.109 χ^2/NDF:4465036.5/37

Out: 748.746+/-0.110 χ^2/NDF:4824610.0/41

All: 743.905+/-0.078 χ^2/NDF: 9293510.3/79



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 44.792+/-18.027 χ^2/NDF:27.4/22

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 66.418+/-18.384 χ^2/NDF:27.0/21

Left: 55.393+/-12.871 χ^2/NDF: 55.2/44

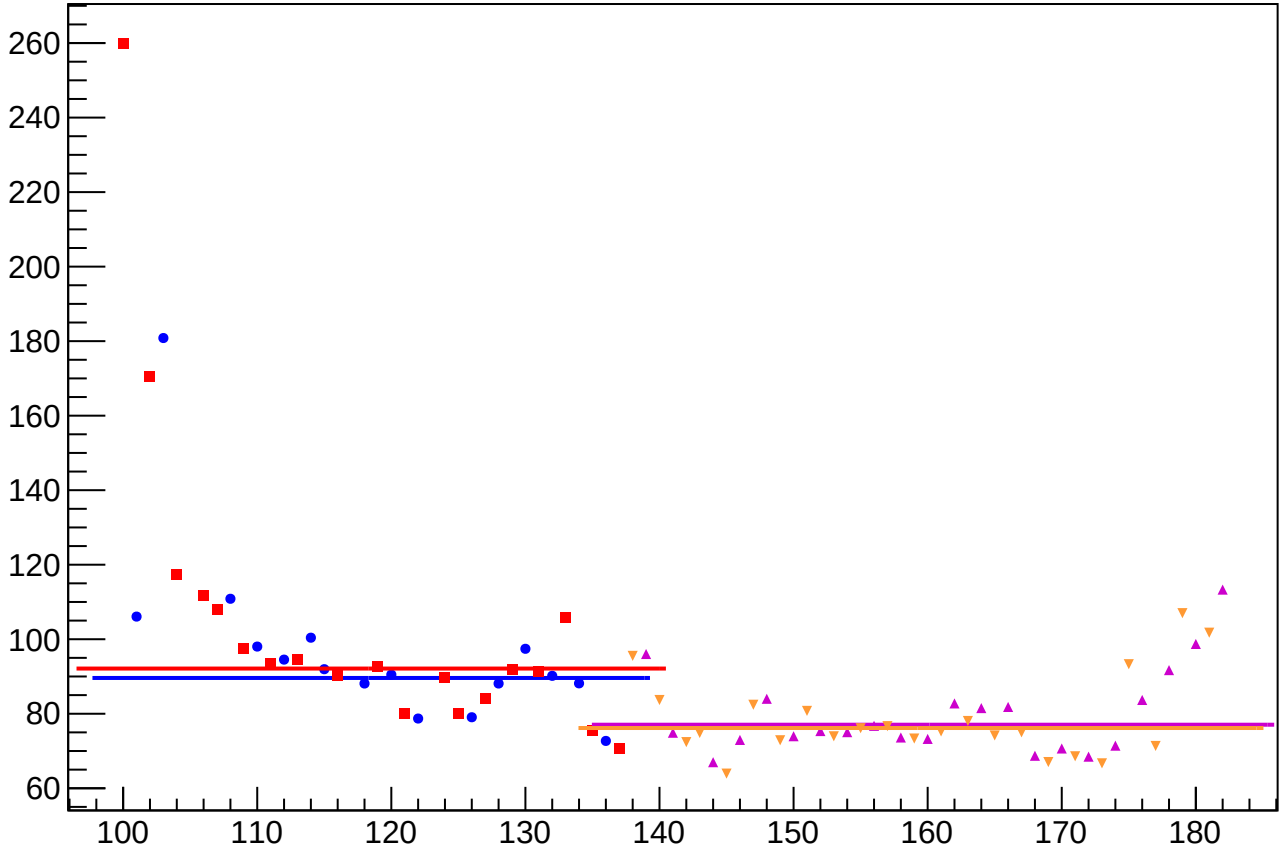
Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 50.120+/-16.202 χ^2/NDF:49.5/37

Out: 50.522+/-16.015 χ^2/NDF:50.7/41

All: 50.323+/-11.390 χ^2/NDF: 100.1/79

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.172+/-0.013 χ^2/NDF:543143.9/22

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 77.058+/-0.013 χ^2/NDF:521860.2/21

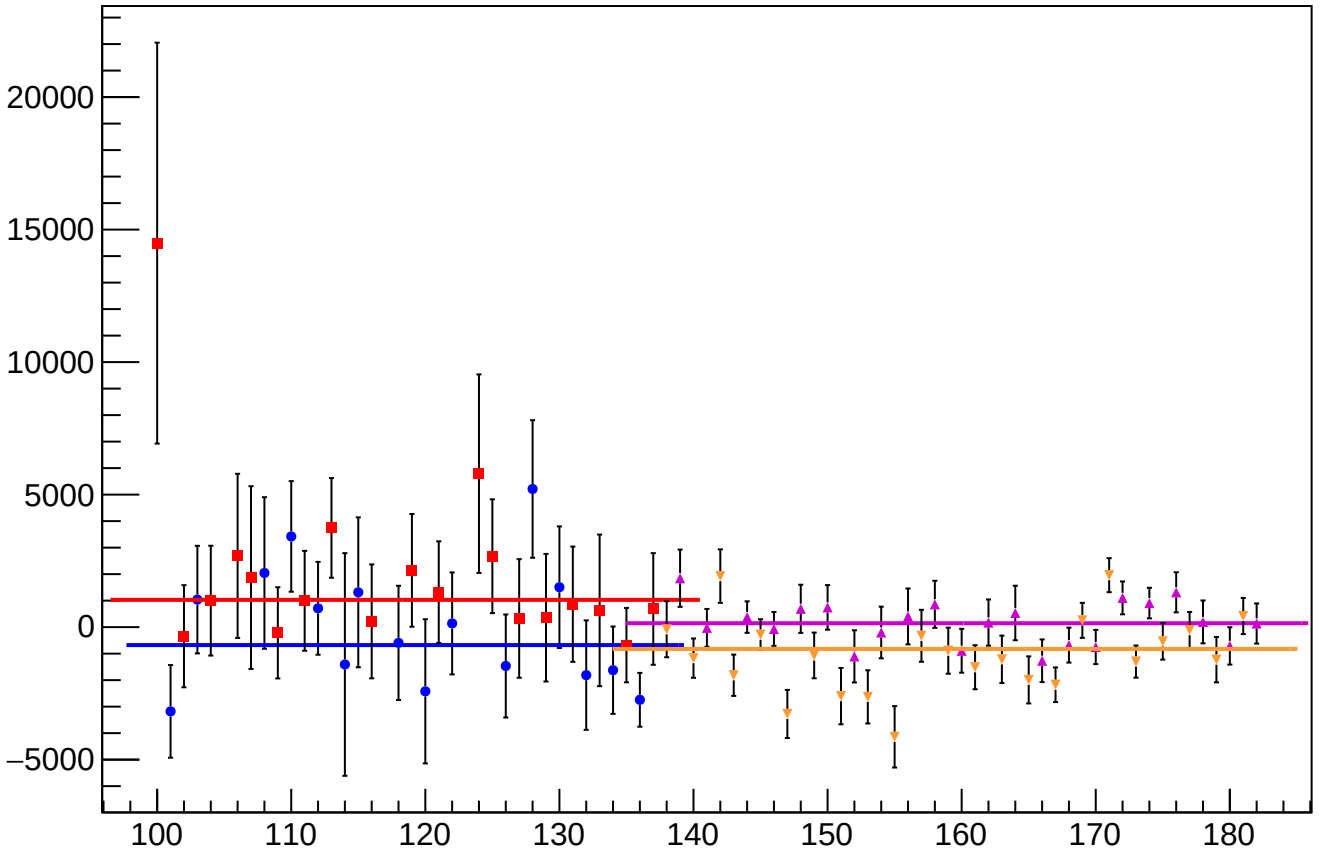
Left: 76.606+/-0.009 χ^2/NDF: 1067373.4/44

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 79.859+/-0.011 χ^2/NDF:1228238.2/37

Out: 79.535+/-0.011 χ^2/NDF:1413756.6/41

All: 79.695+/-0.008 χ^2/NDF: 2642400.9/79



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -822.503+/-163.622 χ^2/NDF:66.3/22

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 147.211+/-163.103 χ^2/NDF:22.4/21

Left: -336.108+/-115.514 χ^2/NDF: 106.3/44

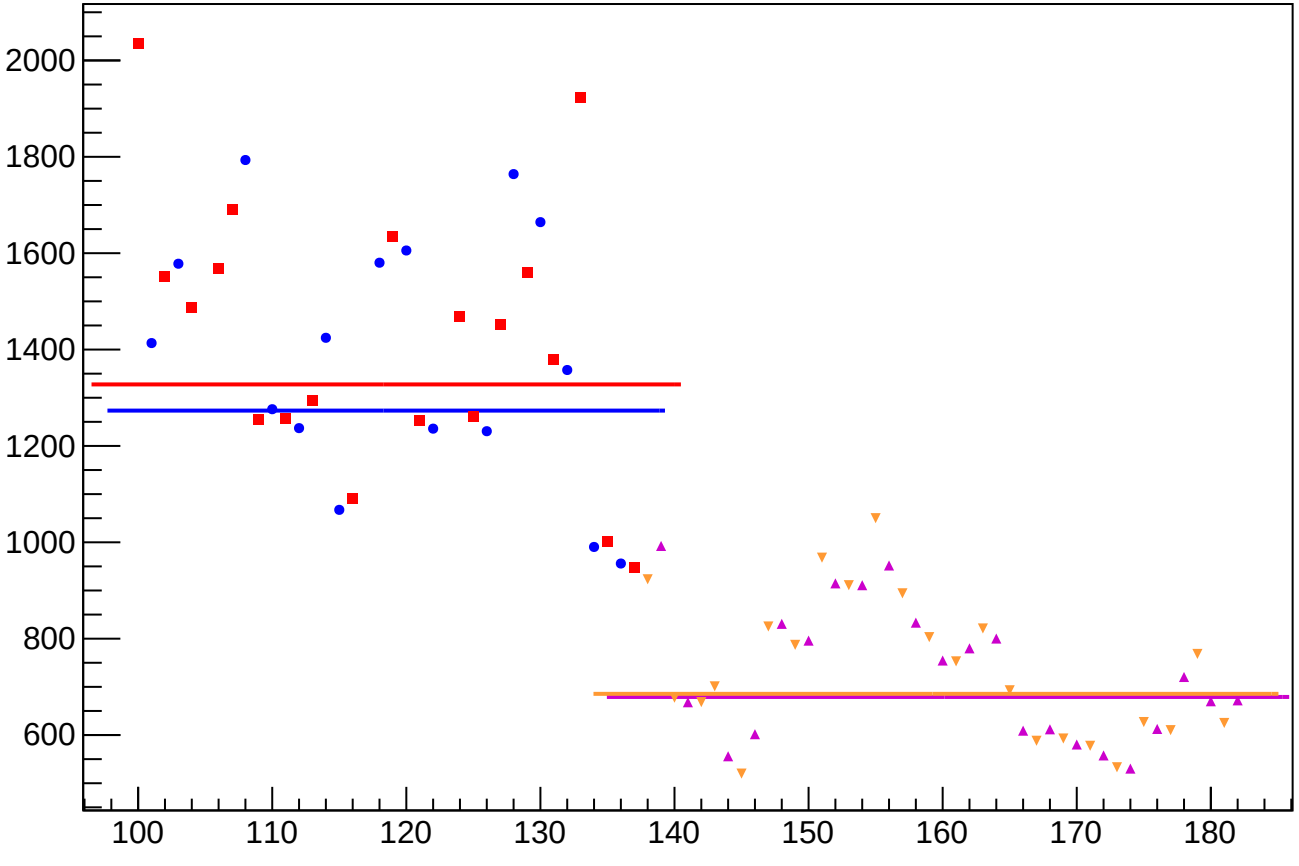
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 63.891+/-154.643 χ^2/NDF:45.2/37

Out: -641.424+/-155.417 χ^2/NDF:89.8/41

All: -287.008+/-109.622 χ^2/NDF: 145.4/79

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: 685.507+/-0.116 χ^2/NDF:1305956.5/22

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 679.060+/-0.115 χ^2/NDF:1184671.5/21

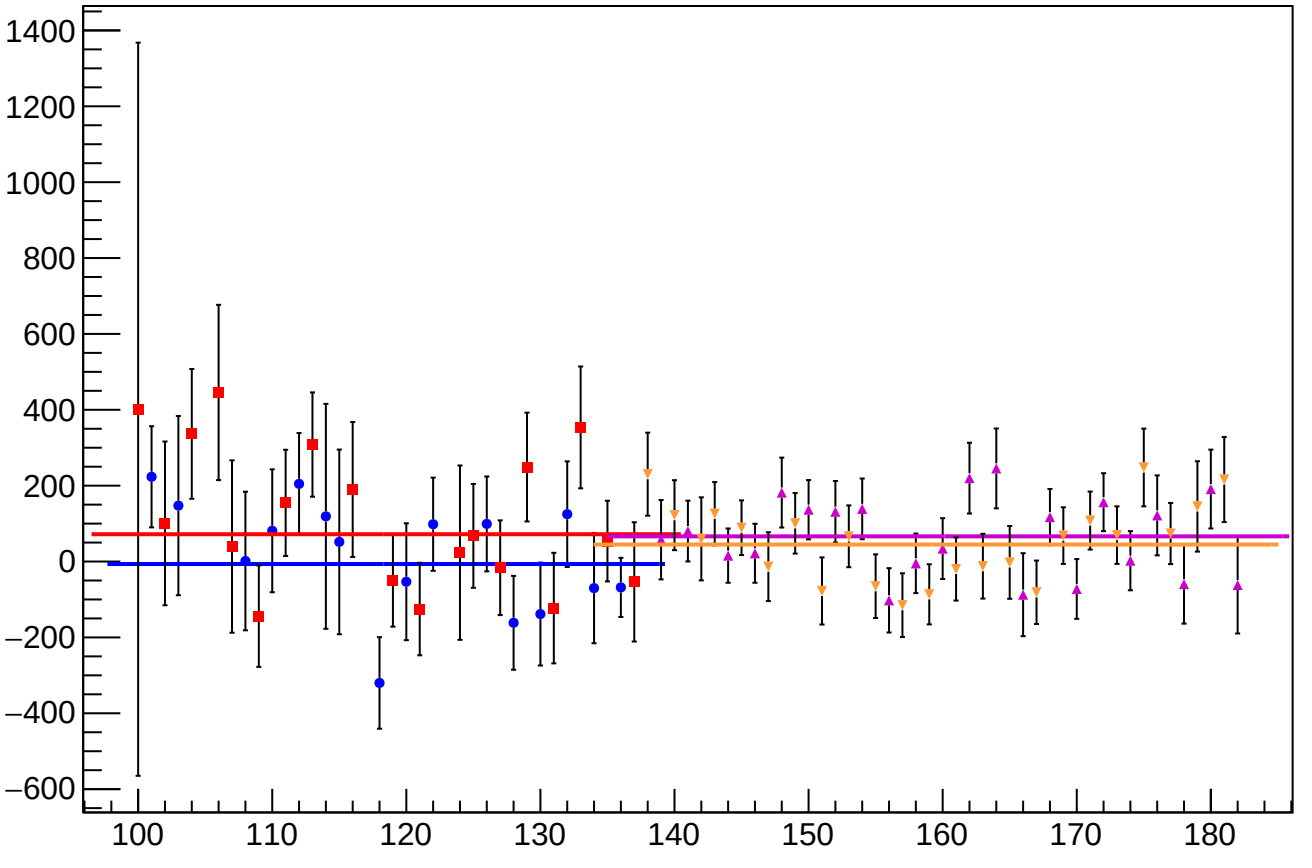
Left: 682.273+/-0.082 χ^2/NDF: 2492185.2/44

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 739.110+/-0.109 χ^2/NDF:4465070.9/37

Out: 748.297+/-0.110 χ^2/NDF:4776589.7/41

All: 743.681+/-0.078 χ^2/NDF: 9245172.0/79



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 44.792+/-18.027 χ^2/NDF:27.4/22

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 66.418+/-18.384 χ^2/NDF:27.0/21

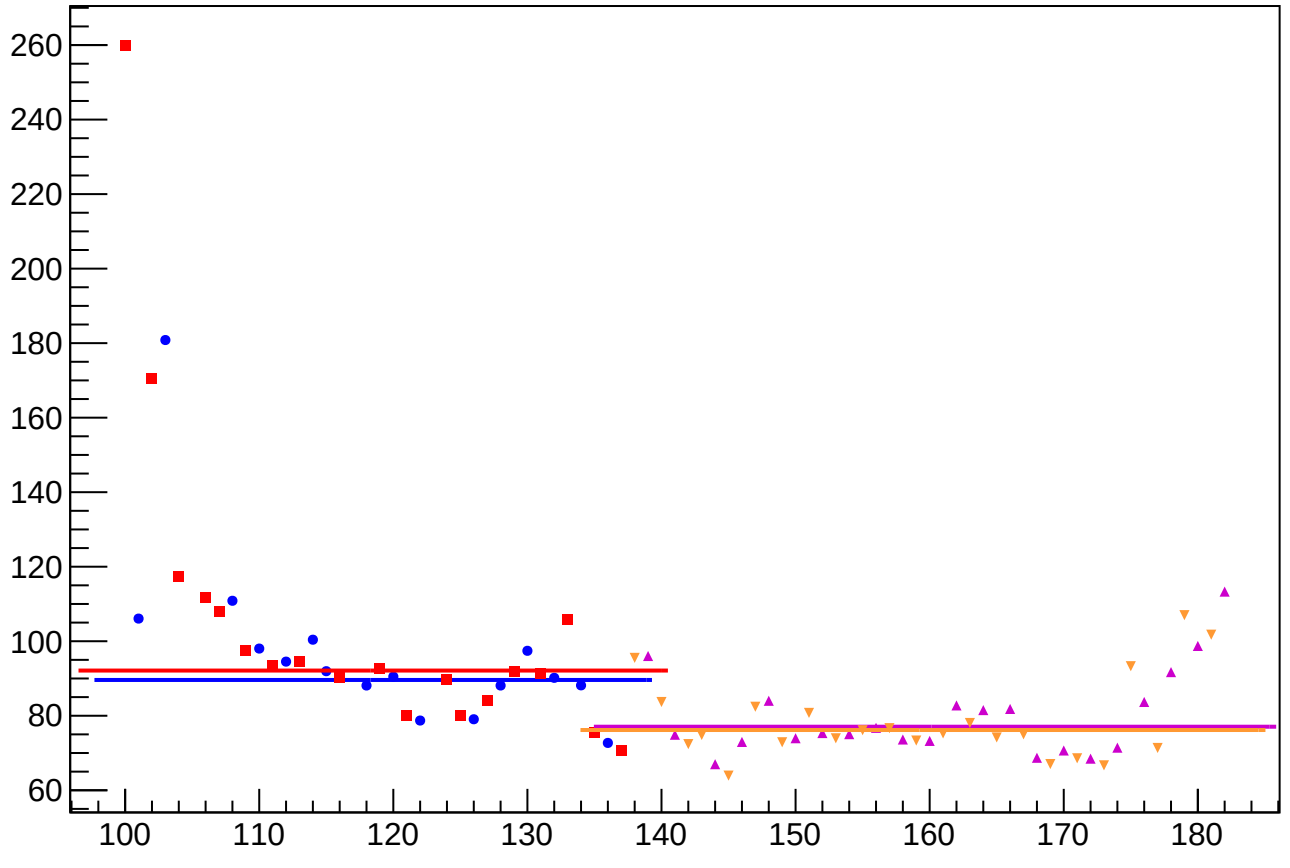
Left: 55.393+/-12.871 χ^2/NDF: 55.2/44

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 50.120+/-16.202 χ^2/NDF:49.5/37

Out: 50.522+/-16.015 χ^2/NDF:50.7/41

All: 50.323+/-11.390 χ^2/NDF: 100.1/79



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.172+/-0.013 χ^2/NDF:543143.9/22

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 77.058+/-0.013 χ^2/NDF:521860.2/21

Left: 76.606+/-0.009 χ^2/NDF: 1067373.4/44

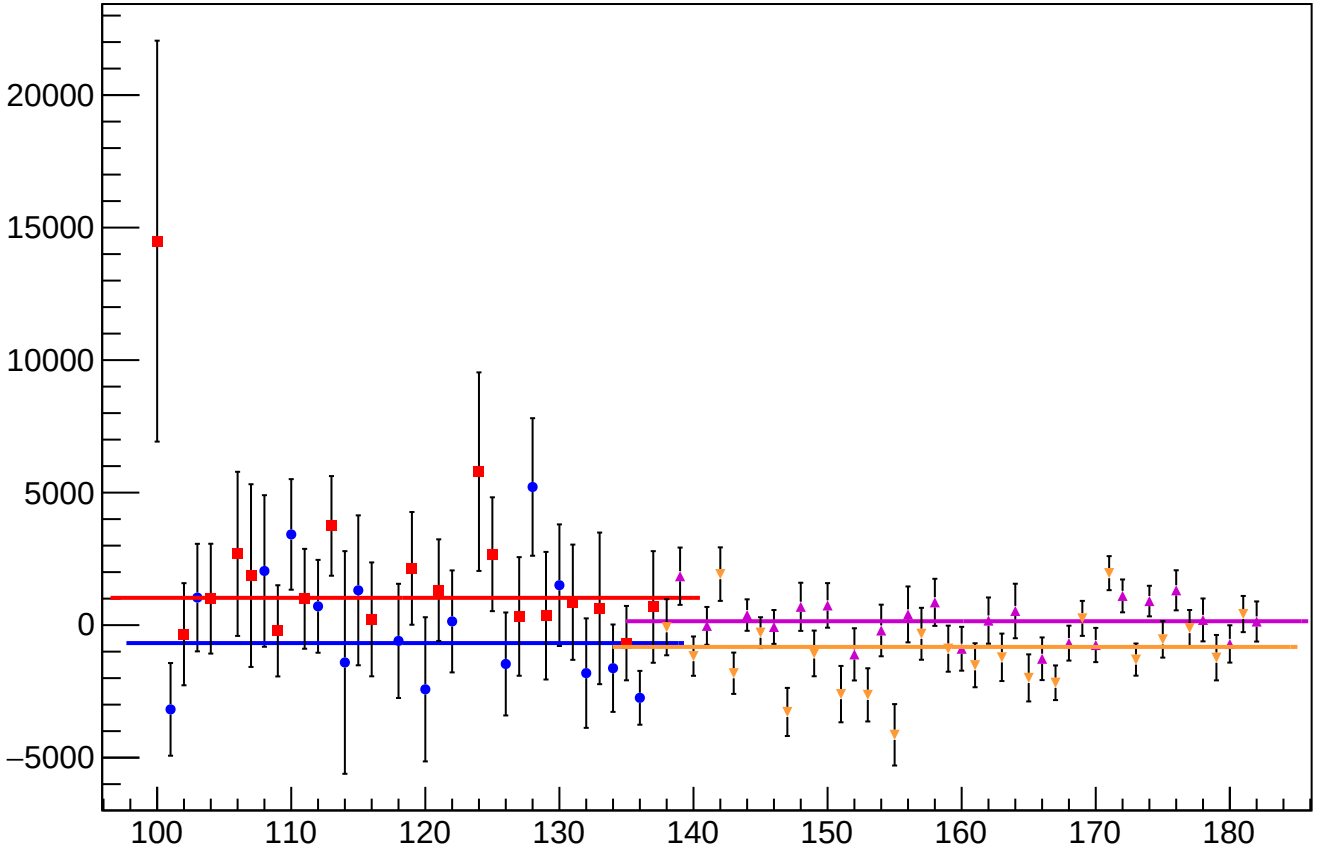
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 79.859+/-0.011 χ^2/NDF:1228238.2/37

Out: 79.535+/-0.011 χ^2/NDF:1413756.6/41

All: 79.695+/-0.008 χ^2/NDF: 2642400.9/79

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -822.503+/-163.622 χ^2/NDF:66.3/22

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 147.211+/-163.103 χ^2/NDF:22.4/21

Left: -336.108+/-115.514 χ^2/NDF: 106.3/44

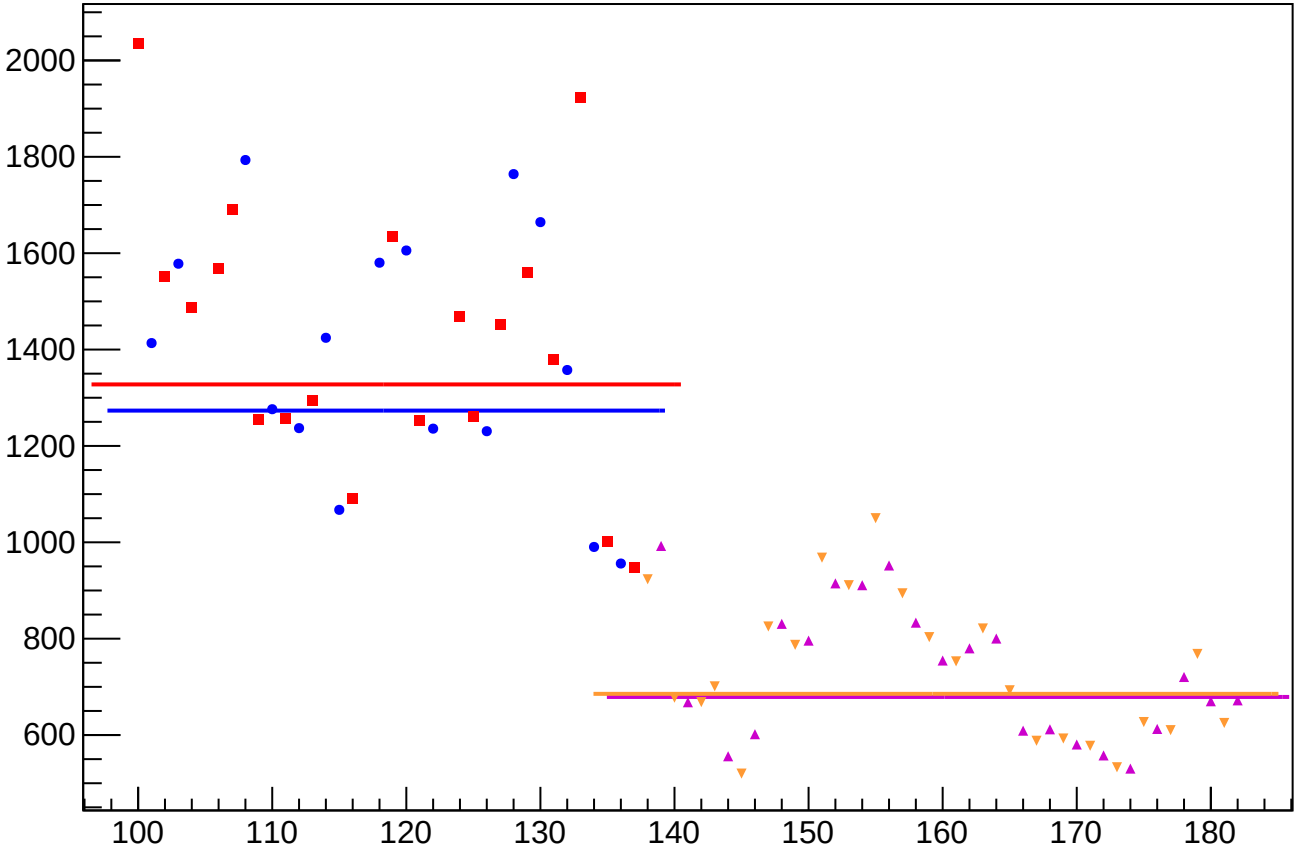
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 63.891+/-154.643 χ^2/NDF:45.2/37

Out: -641.424+/-155.417 χ^2/NDF:89.8/41

All: -287.008+/-109.622 χ^2/NDF: 145.4/79

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: 685.507+/-0.116 χ^2/NDF:1305956.5/22

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 679.060+/-0.115 χ^2/NDF:1184671.5/21

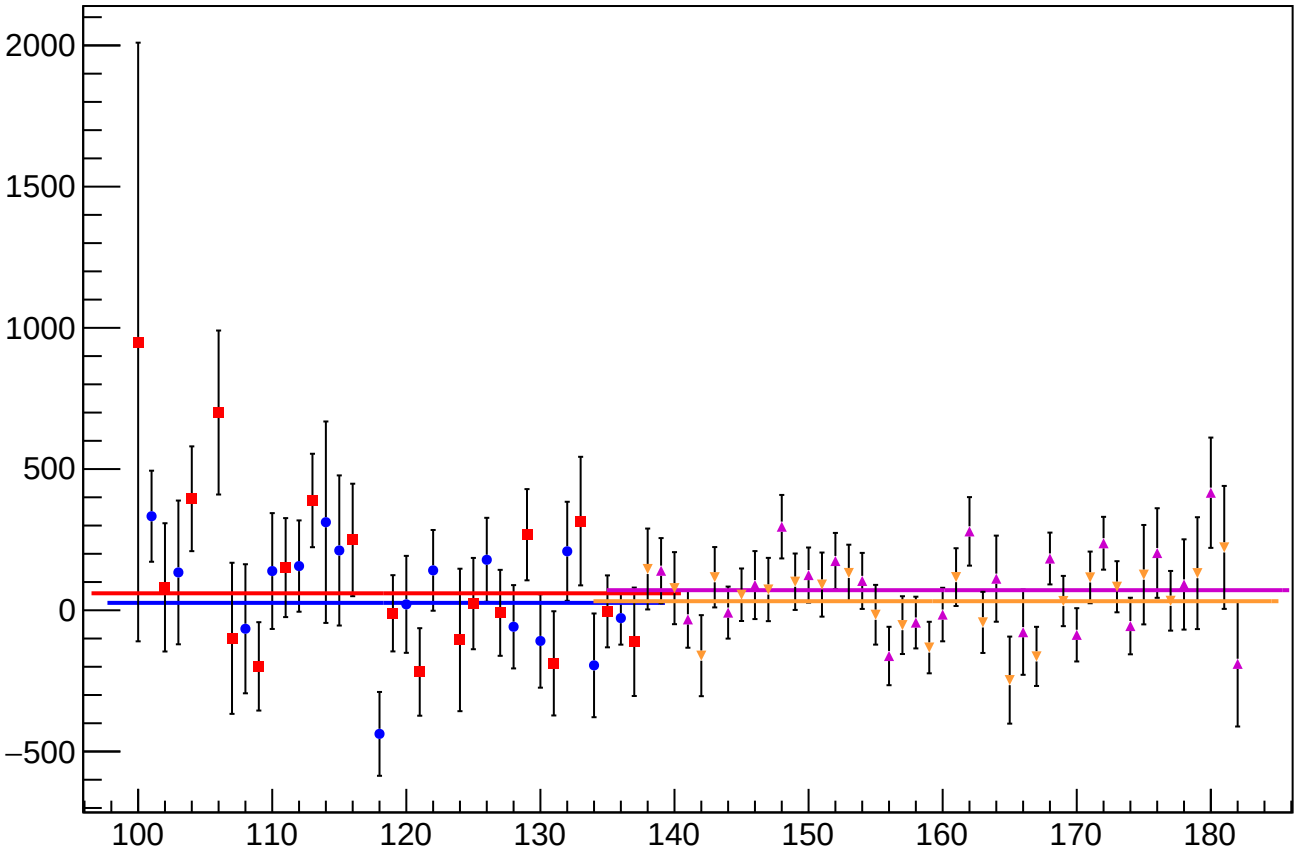
Left: 682.273+/-0.082 χ^2/NDF: 2492185.2/44

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 739.110+/-0.109 χ^2/NDF:4465070.9/37

Out: 748.297+/-0.110 χ^2/NDF:4776589.7/41

All: 743.681+/-0.078 χ^2/NDF: 9245172.0/79



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 32.133+/-23.094 χ^2/NDF:19.7/22

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 71.165+/-23.586 χ^2/NDF:33.4/21

Left: 51.237+/-16.501 χ^2/NDF: 54.5/44

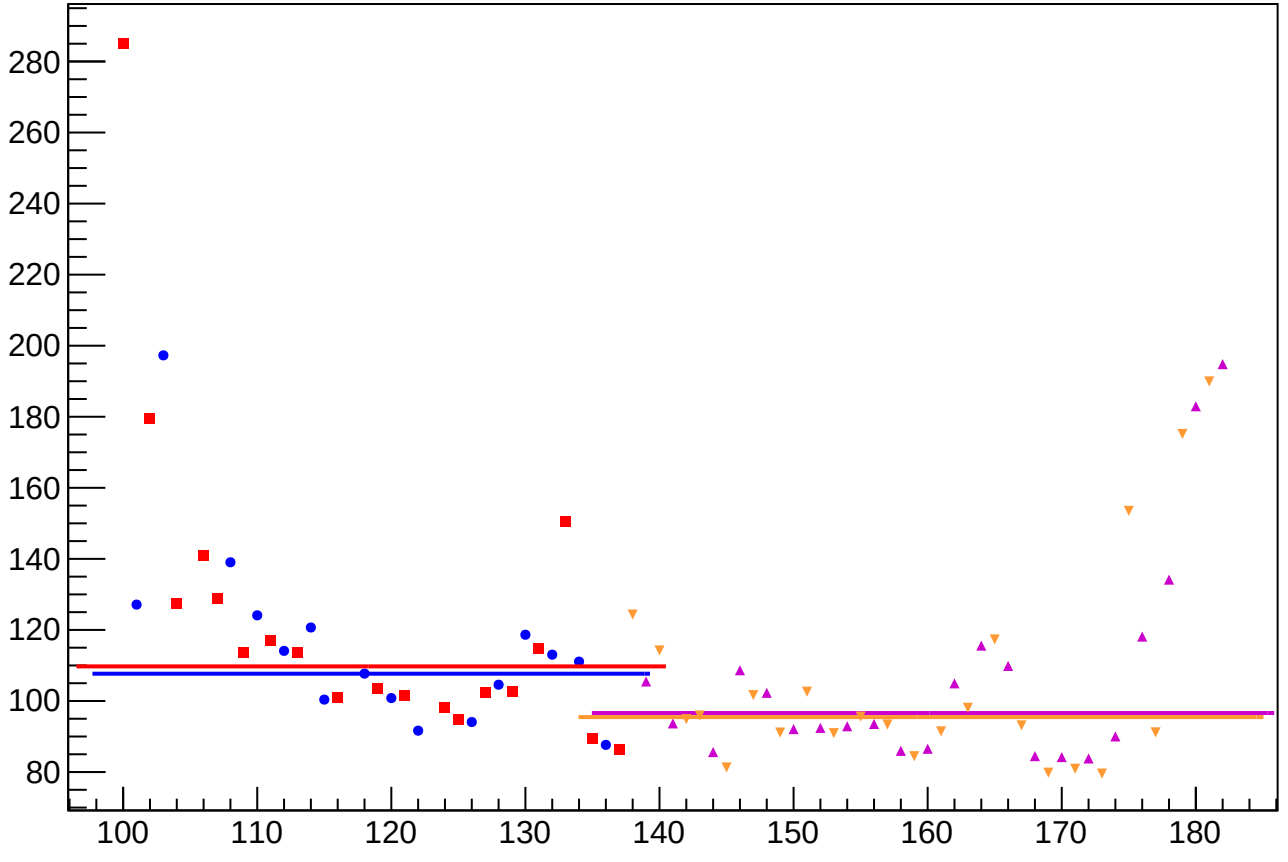
Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 60.086+/-20.472 χ^2/NDF:55.7/37

Out: 38.744+/-20.183 χ^2/NDF:47.0/41

All: 49.263+/-14.372 χ^2/NDF: 103.2/79

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 95.464+/-0.016 χ^2/NDF:1363881.7/22

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 96.613+/-0.017 χ^2/NDF:1230108.4/21

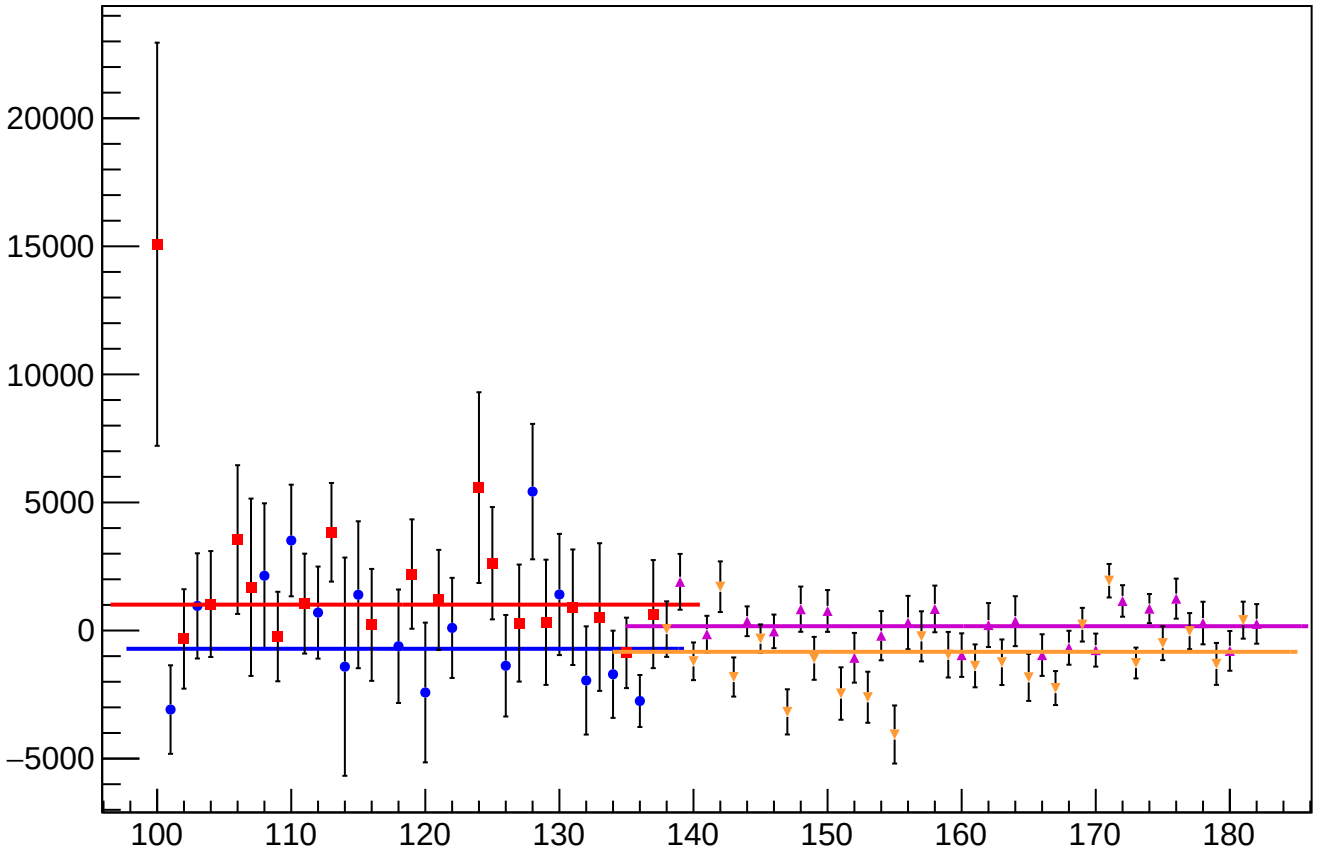
Left: 96.026+/-0.012 χ^2/NDF: 2596416.1/44

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 99.343+/-0.014 χ^2/NDF:1821834.5/37

Out: 98.836+/-0.014 χ^2/NDF:2036188.1/41

All: 99.086+/-0.010 χ^2/NDF: 3858645.6/79



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -831.196+/-162.913 χ^2/NDF:63.7/22

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 168.771+/-163.839 χ^2/NDF:21.3/21

Left: -334.047+/-115.523 χ^2/NDF: 103.7/44

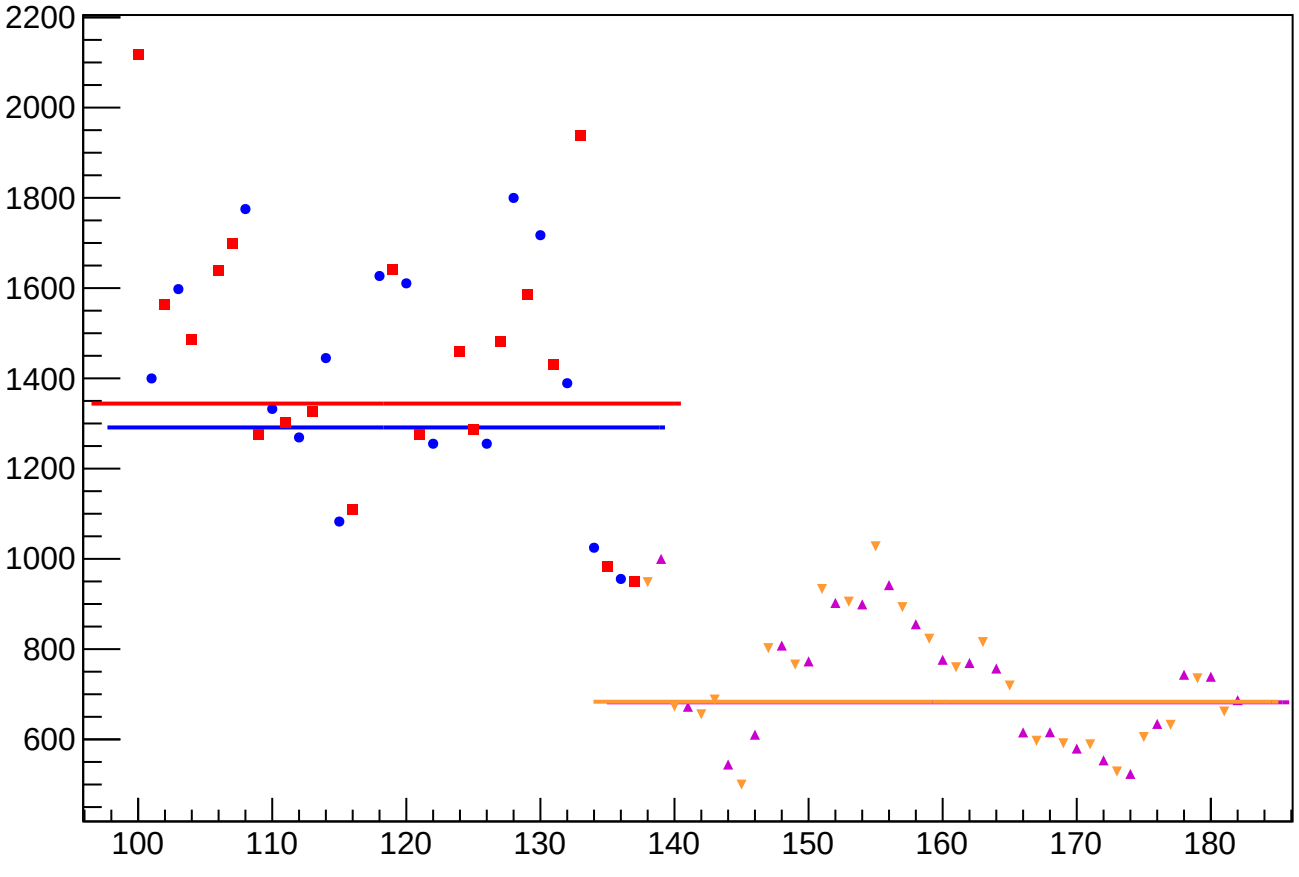
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 81.163+/-155.486 χ^2/NDF:44.2/37

Out: -655.310+/-154.939 χ^2/NDF:87.7/41

All: -288.372+/-109.751 χ^2/NDF: 143.2/79

asym_sam_2468_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 683.469+/-0.115 χ^2/NDF:1297500.8/22

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 682.142+/-0.116 χ^2/NDF:1185994.9/21

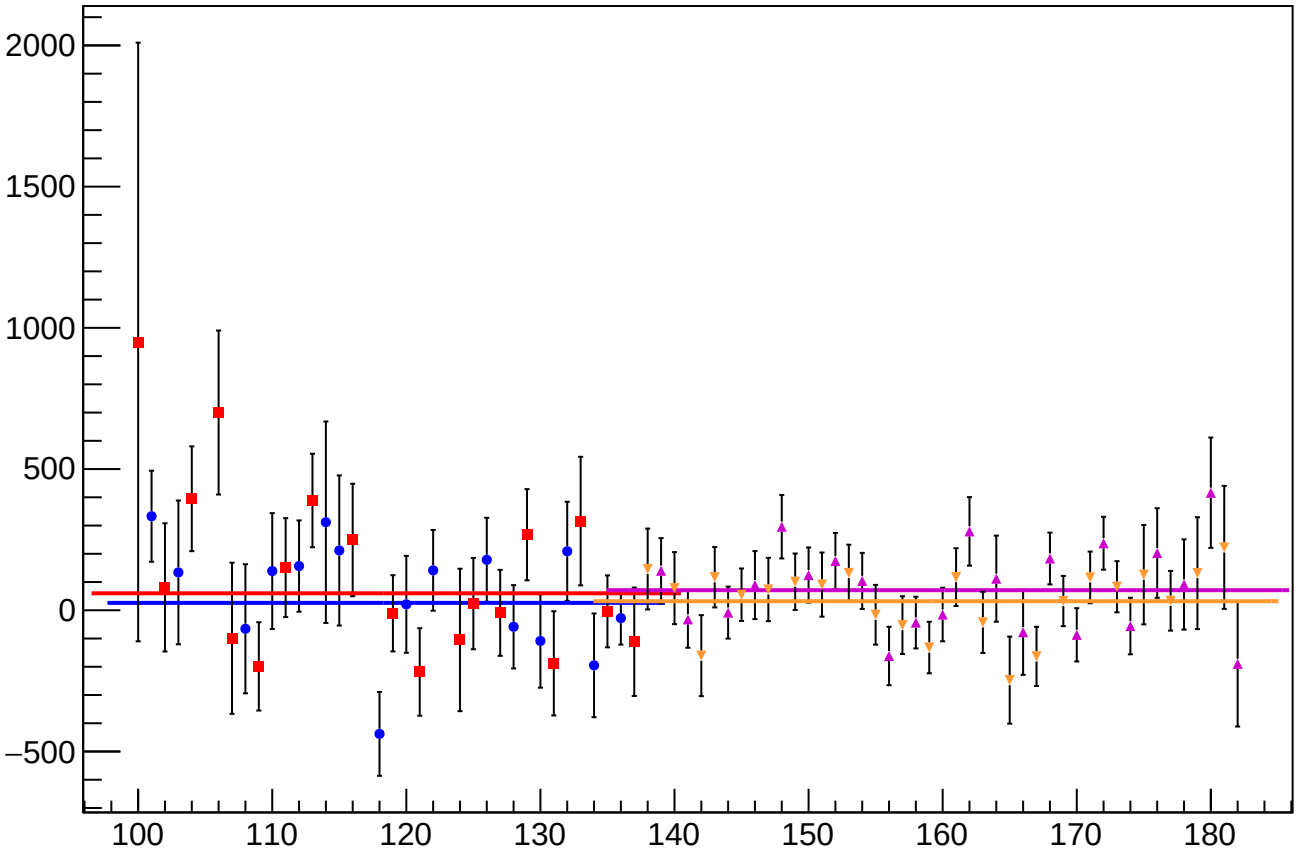
Left: 682.810+/-0.082 χ^2/NDF: 2483561.6/44

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 742.665+/-0.110 χ^2/NDF:4543445.9/37

Out: 746.560+/-0.110 χ^2/NDF:4929385.7/41

All: 744.620+/-0.078 χ^2/NDF: 9473461.3/79



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 32.134+/-23.094 χ^2/NDF:19.7/22

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 71.164+/-23.586 χ^2/NDF:33.4/21

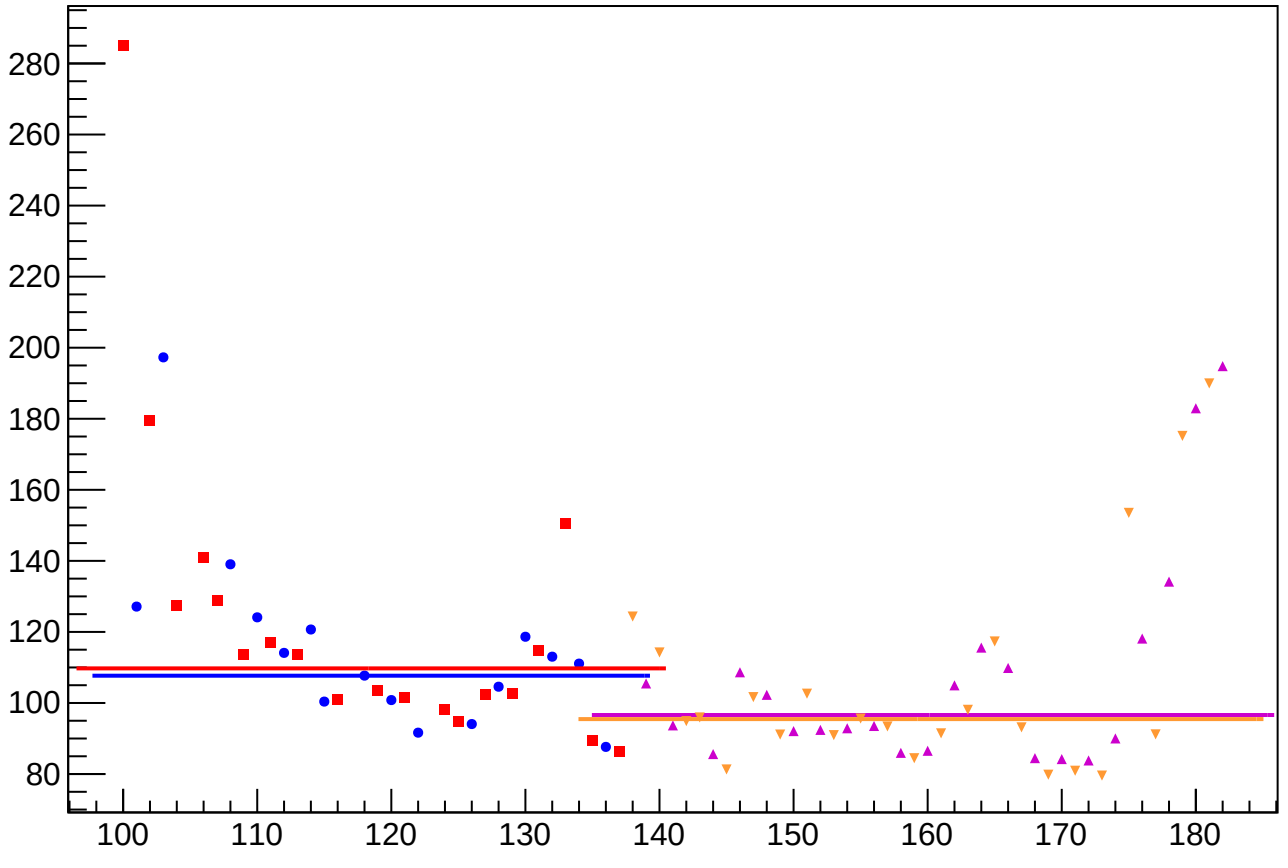
Left: 51.237+/-16.501 χ^2/NDF: 54.5/44

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 60.086+/-20.472 χ^2/NDF:55.7/37

Out: 38.744+/-20.183 χ^2/NDF:47.0/41

All: 49.263+/-14.372 χ^2/NDF: 103.2/79



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 95.464+/-0.016 χ^2/NDF:1363882.9/22

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 96.614+/-0.017 χ^2/NDF:1230092.5/21

Left: 96.027+/-0.012 χ^2/NDF: 2596401.4/44

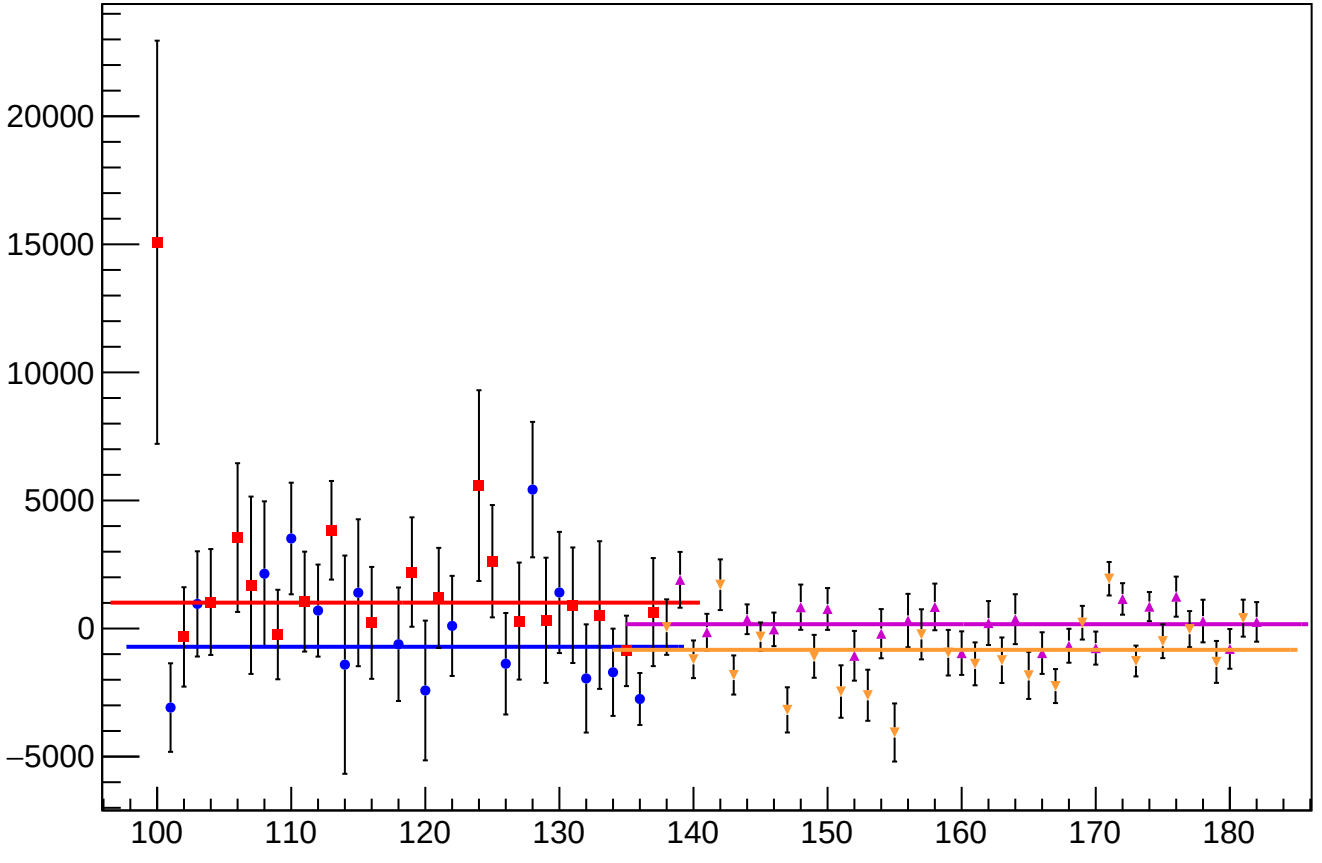
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 99.343+/-0.014 χ^2/NDF:1821785.6/37

Out: 98.836+/-0.014 χ^2/NDF:2036164.5/41

All: 99.086+/-0.010 χ^2/NDF: 3858573.0/79

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: -831.194+/-162.913 χ^2/NDF:63.7/22

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 168.770+/-163.839 χ^2/NDF:21.3/21

Left: -334.046+/-115.523 χ^2/NDF: 103.7/44

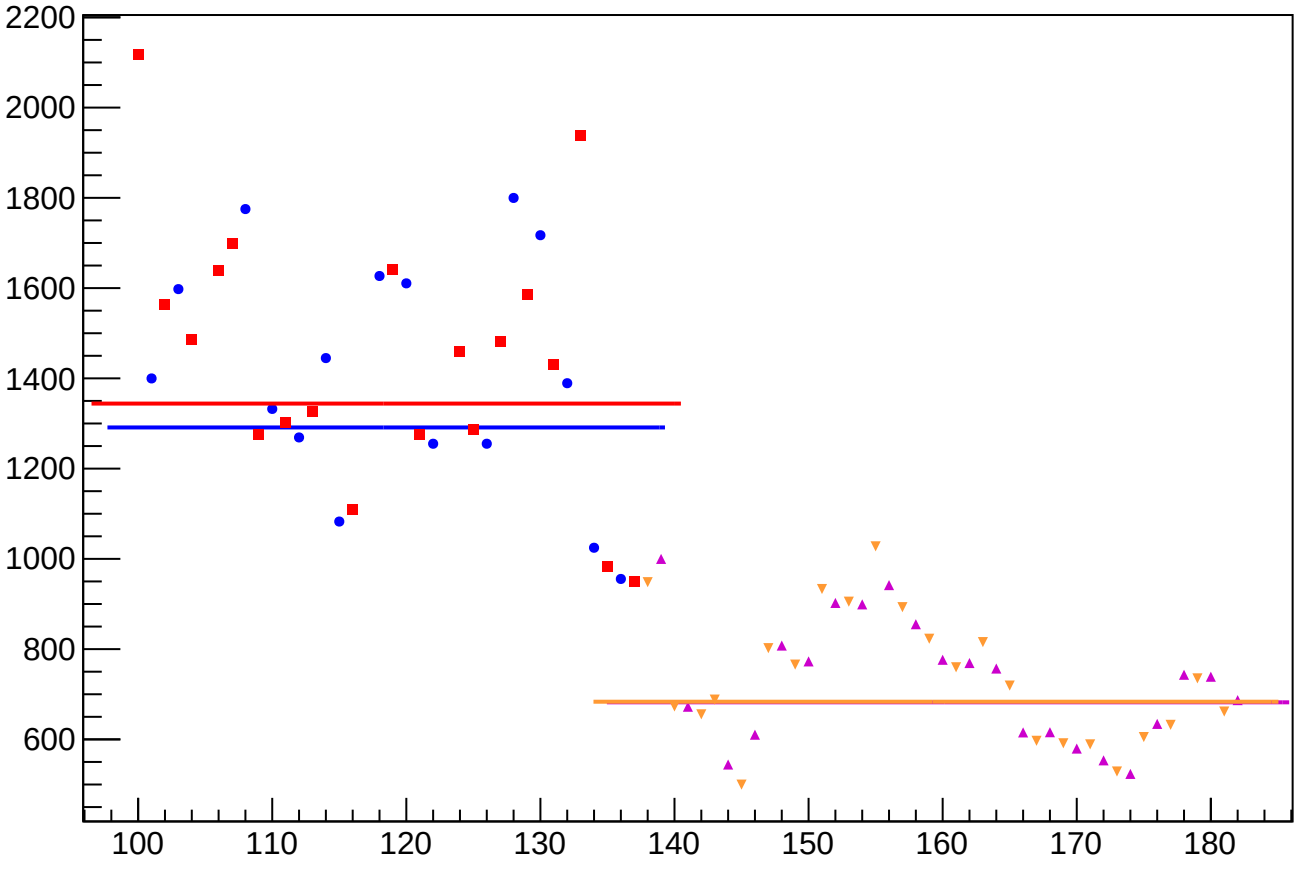
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 81.163+/-155.486 χ^2/NDF:44.2/37

Out: -655.309+/-154.939 χ^2/NDF:87.7/41

All: -288.372+/-109.751 χ^2/NDF: 143.2/79

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: 683.468+/-0.115 χ^2/NDF:1297506.8/22

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 682.141+/-0.116 χ^2/NDF:1185996.5/21

Left: 682.808+/-0.082 χ^2/NDF: 2483569.3/44

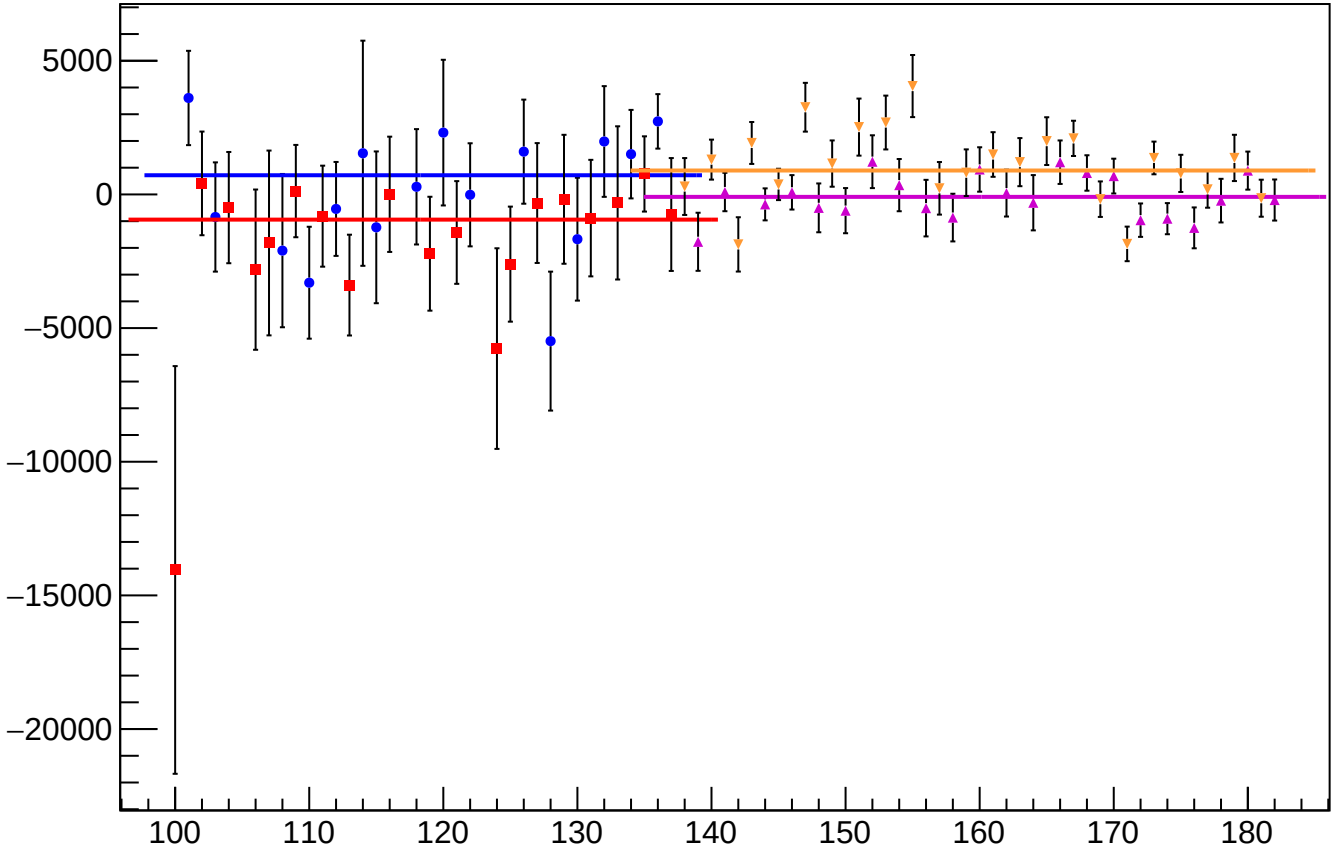
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 742.664+/-0.110 χ^2/NDF:4543445.6/37

Out: 746.559+/-0.110 χ^2/NDF:4929391.2/41

All: 744.618+/-0.078 χ^2/NDF: 9473466.6/79

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 894.966+/-164.790 χ^2/NDF:61.0/22

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -91.366+/-164.323 χ^2/NDF:21.8/21

Left: 400.402+/-116.359 χ^2/NDF: 100.7/44

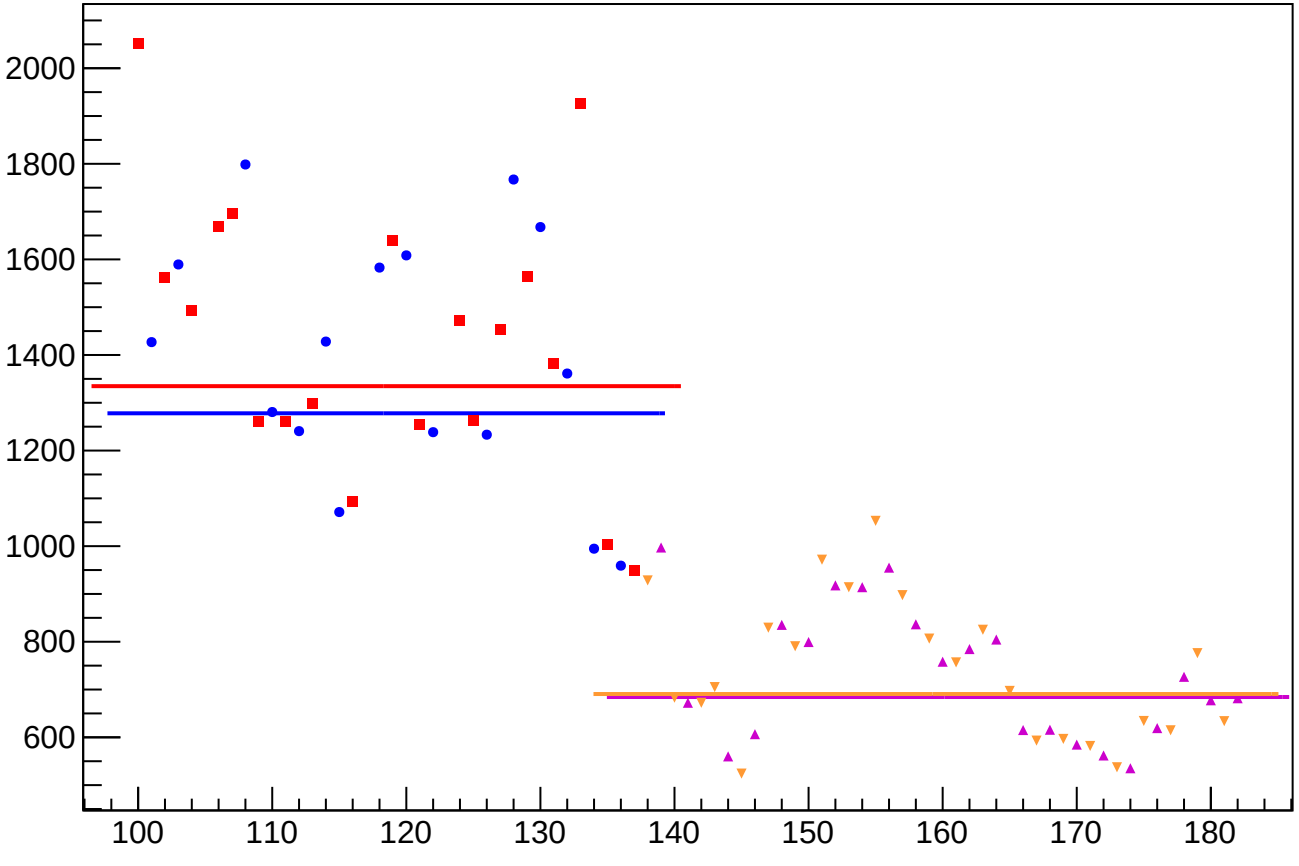
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: -9.053+/-155.739 χ^2/NDF:45.2/37

Out: 713.678+/-156.449 χ^2/NDF:83.9/41

All: 350.670+/-110.374 χ^2/NDF: 139.8/79

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 690.616+/-0.117 χ^2/NDF:1284775.8/22

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 684.343+/-0.116 χ^2/NDF:1164367.4/21

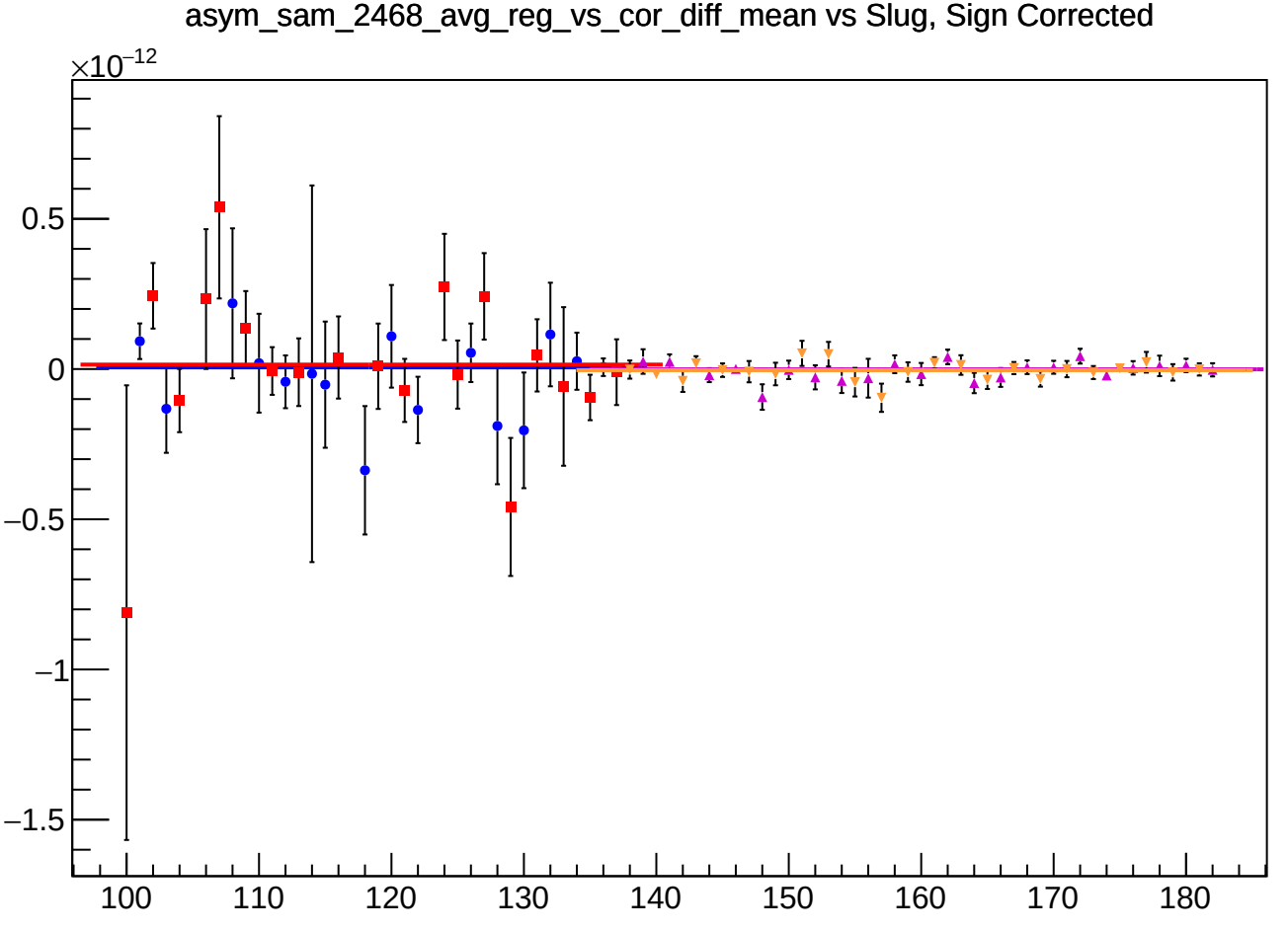
Left: 687.471+/-0.082 χ^2/NDF: 2450596.3/44

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 744.745+/-0.110 χ^2/NDF:4417881.8/37

Out: 754.177+/-0.111 χ^2/NDF:4772110.4/41

All: 749.439+/-0.078 χ^2/NDF: 9193642.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.8/21

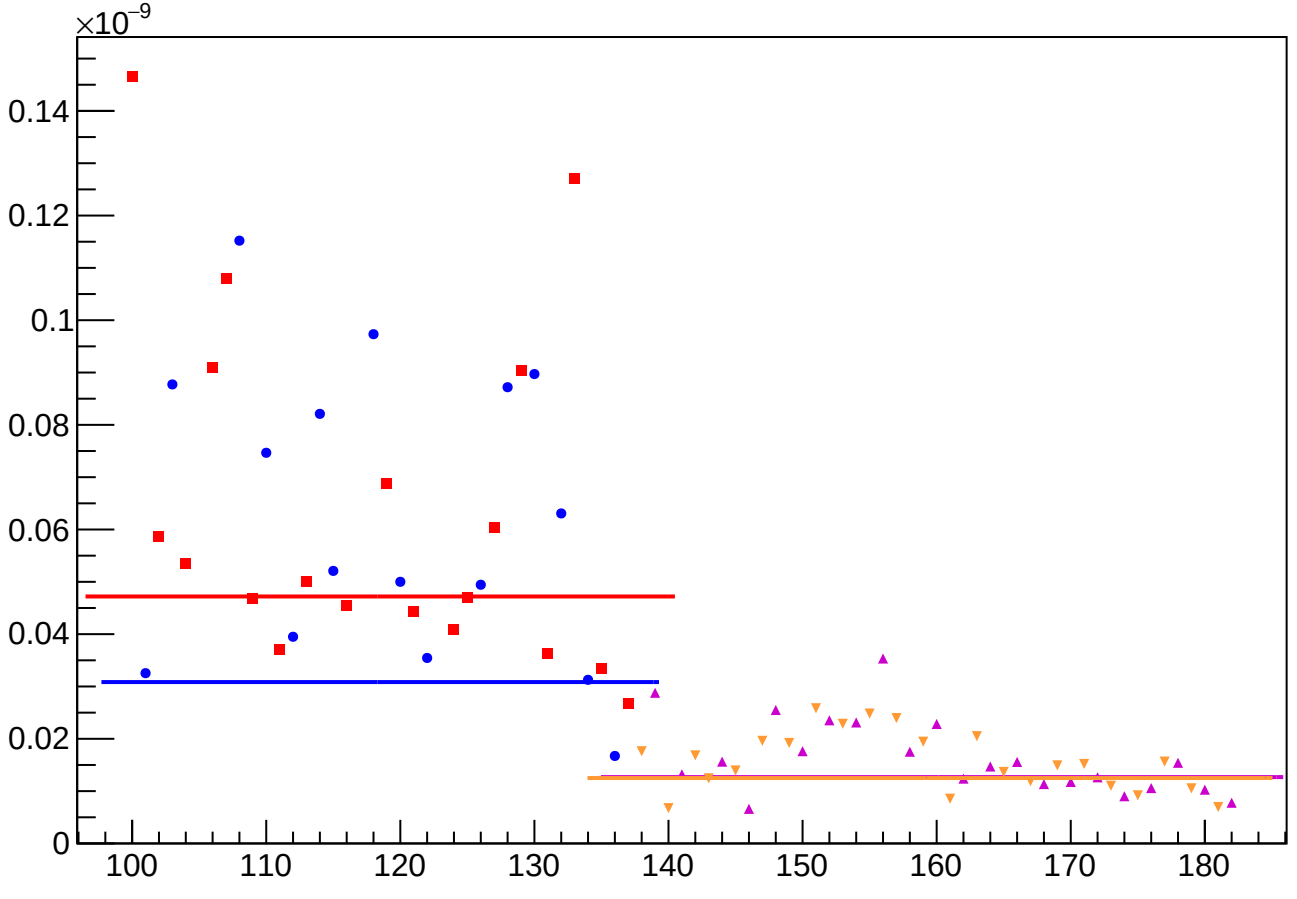
Left: -0.000+/-0.000 χ^2/NDF: 36.1/44

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:31.5/37

Out: -0.000+/-0.000 χ^2/NDF:40.4/41

All: -0.000+/-0.000 χ^2/NDF: 72.0/79



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1733767.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1946978.5/21

Left: 0.000+/-0.000 χ^2/NDF: 3681891.0/44

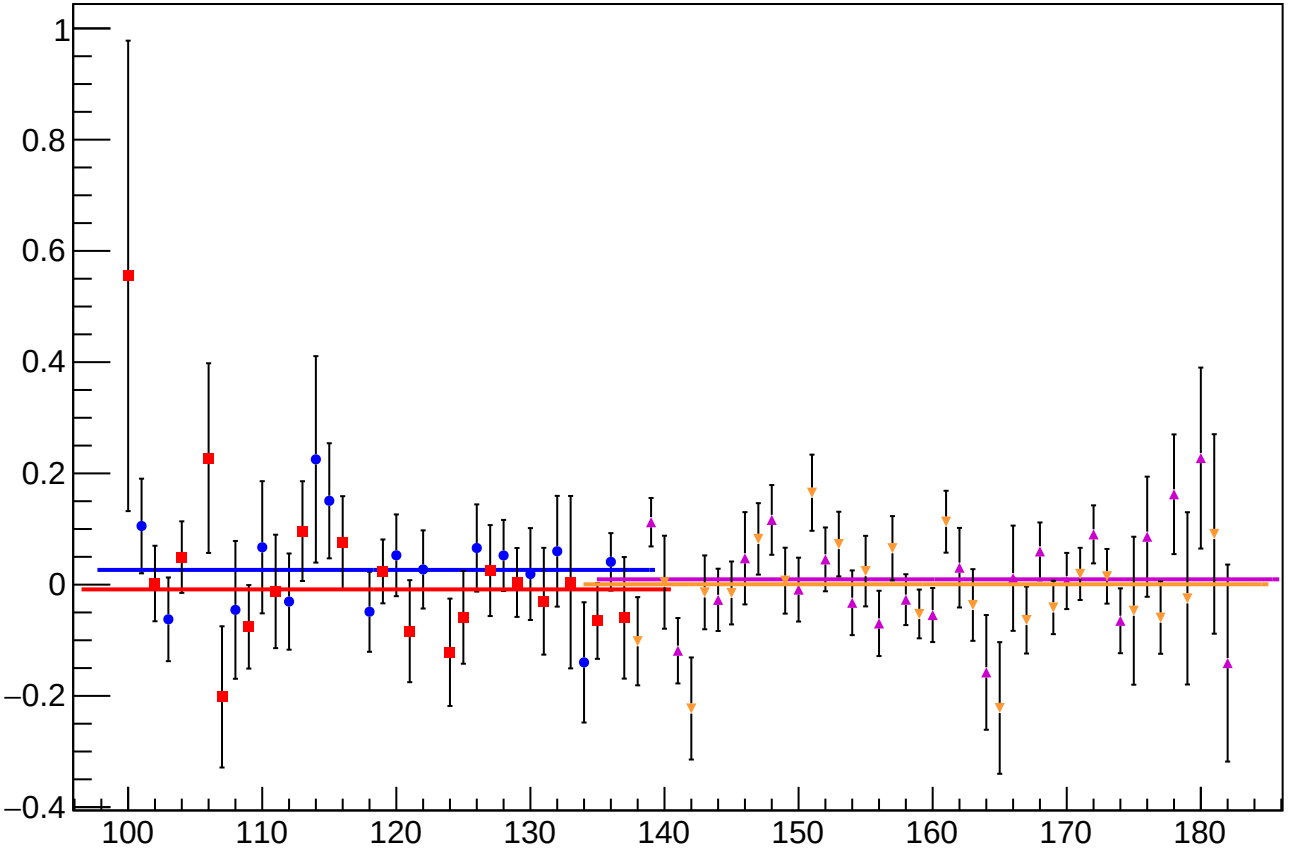
Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:5192421.4/37

Out: 0.000+/-0.000 χ^2/NDF:5298909.1/41

All: 0.000+/-0.000 χ^2/NDF: 10491924.4/79

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: 0.001+/-0.013 χ^2/NDF:30.9/22

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.013 χ^2/NDF:31.8/21

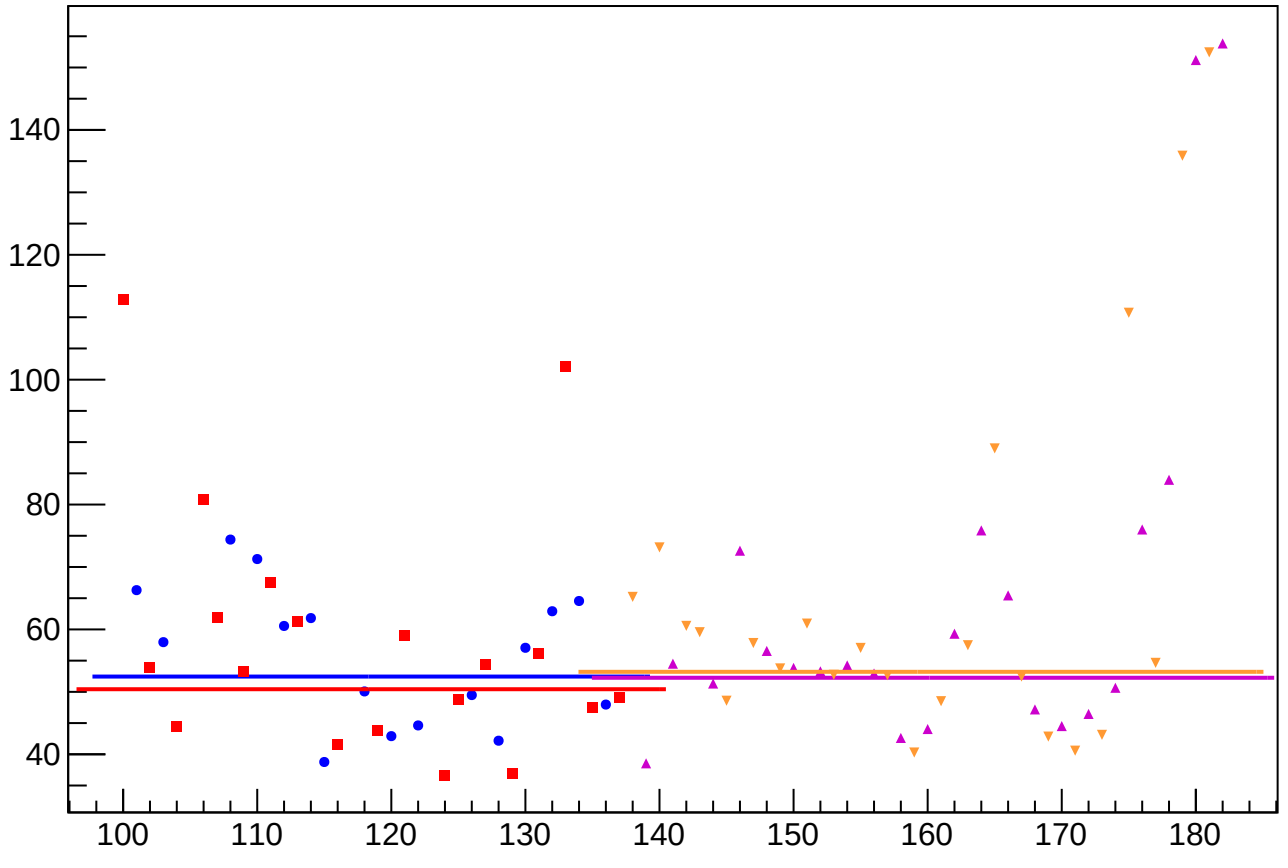
Left: 0.005+/-0.009 χ^2/NDF: 63.0/44

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:42.2/37

Out: -0.002+/-0.011 χ^2/NDF:45.0/41

All: 0.006+/-0.008 χ^2/NDF: 88.4/79



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.211+/-0.009 χ^2/NDF:2507849.8/22

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 52.258+/-0.009 χ^2/NDF:2405474.7/21

Left: 52.732+/-0.007 χ^2/NDF: 4918473.9/44

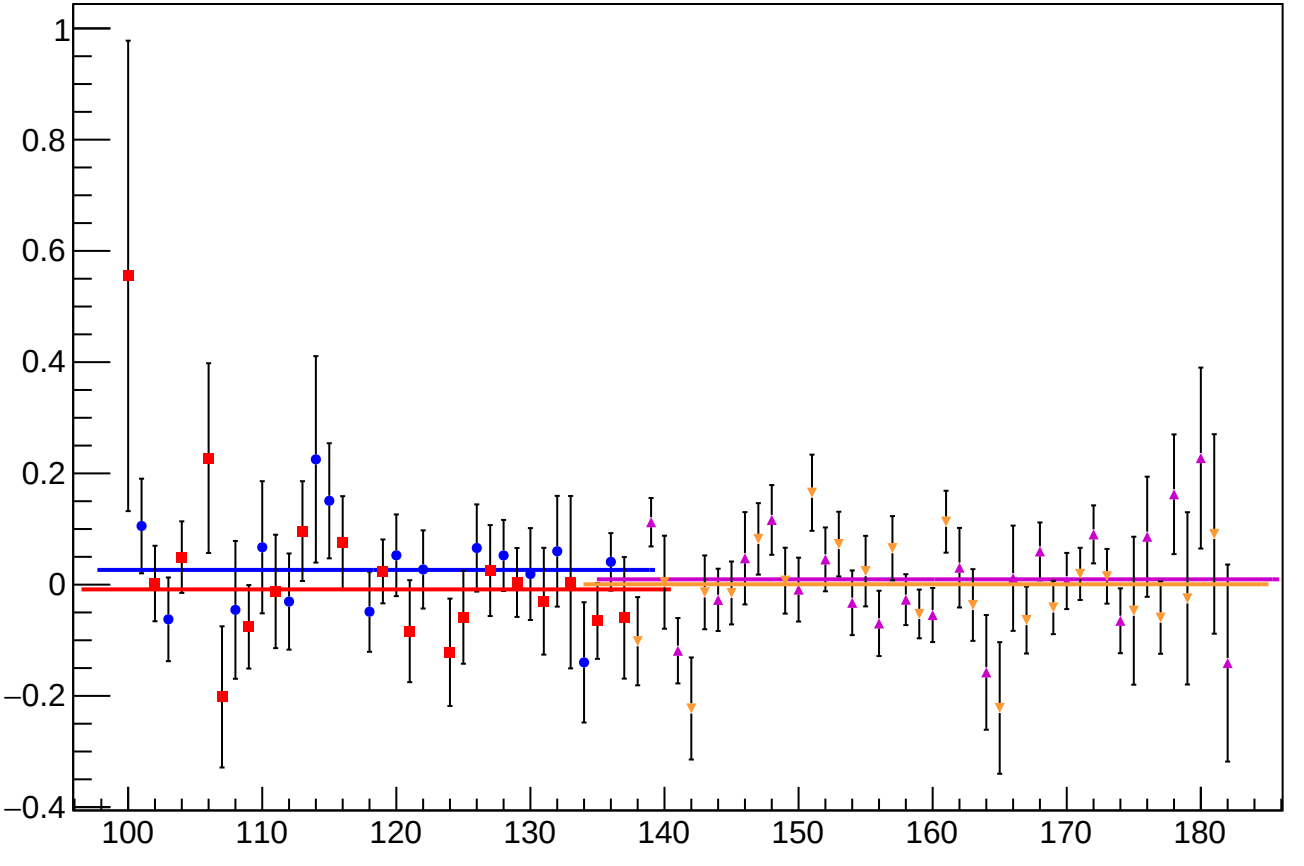
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 52.315+/-0.008 χ^2/NDF:2823615.3/37

Out: 52.323+/-0.008 χ^2/NDF:3212527.9/41

All: 52.319+/-0.006 χ^2/NDF: 6036143.7/79

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.001+/-0.013 χ^2/NDF:30.9/22

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.013 χ^2/NDF:31.8/21

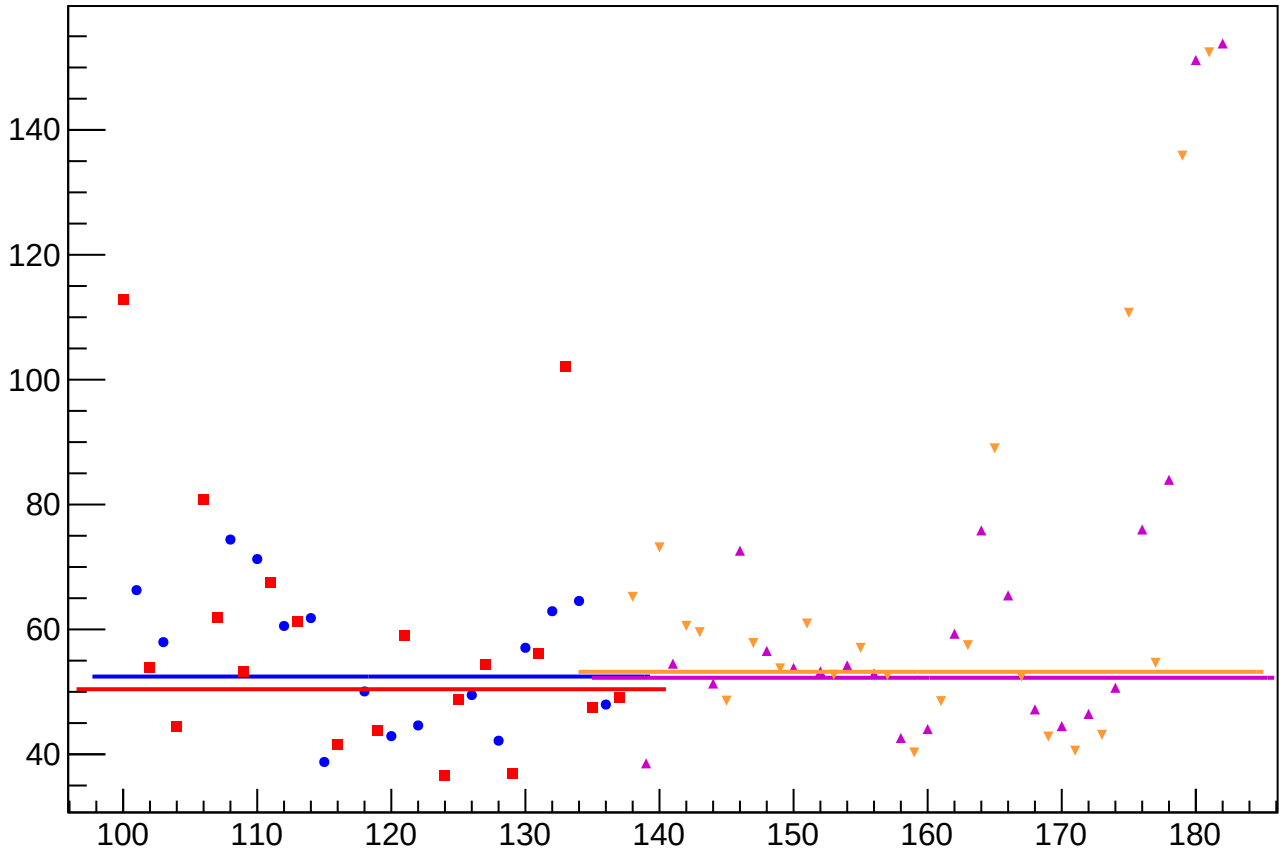
Left: 0.005+/-0.009 χ^2/NDF: 63.0/44

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:42.2/37

Out: -0.002+/-0.011 χ^2/NDF:45.0/41

All: 0.006+/-0.008 χ^2/NDF: 88.4/79



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.211+/-0.009 χ^2/NDF:2507849.8/22

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 52.258+/-0.009 χ^2/NDF:2405474.7/21

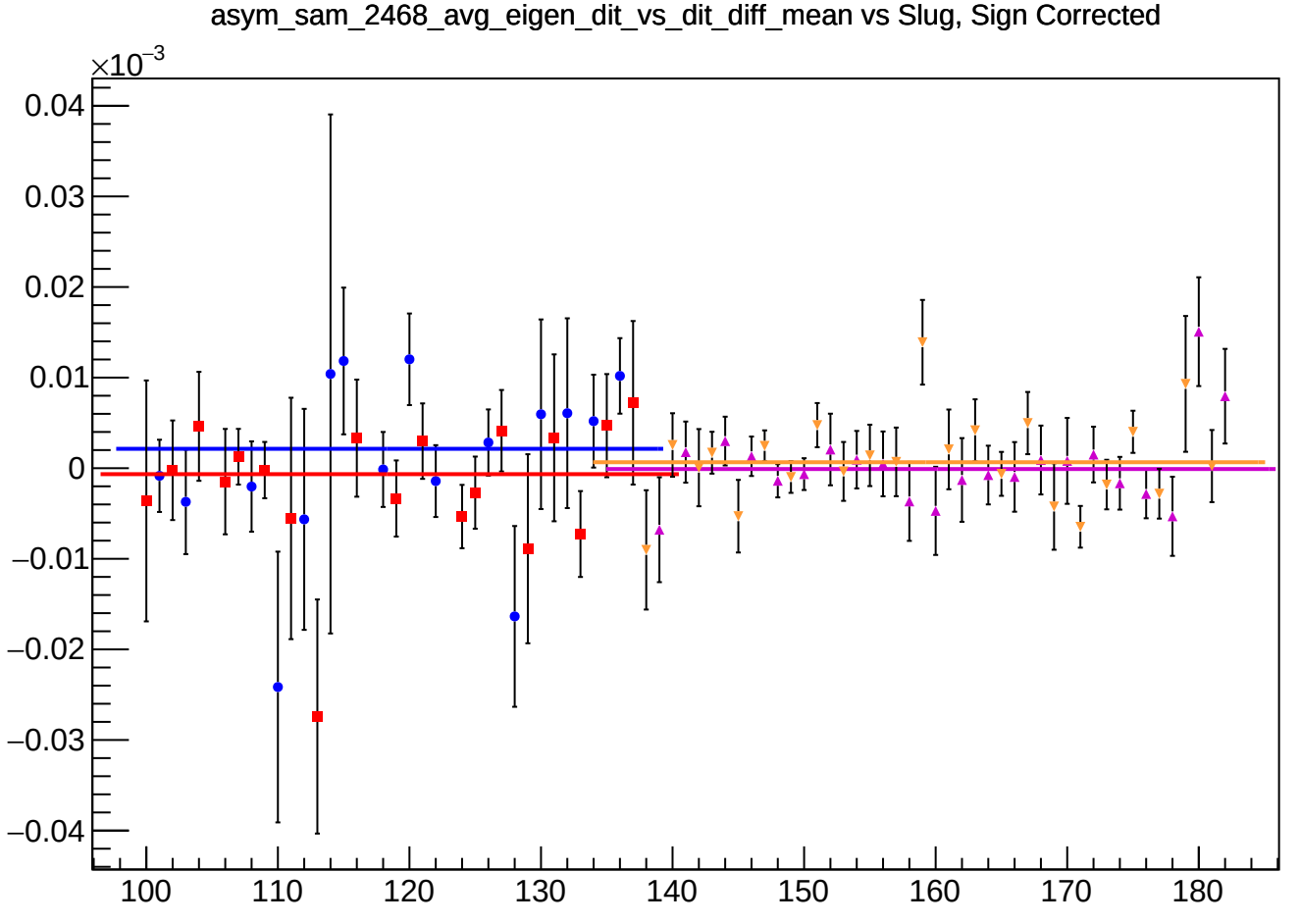
Left: 52.732+/-0.007 χ^2/NDF: 4918473.9/44

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 52.315+/-0.008 χ^2/NDF:2823615.3/37

Out: 52.323+/-0.008 χ^2/NDF:3212527.9/41

All: 52.319+/-0.006 χ^2/NDF: 6036143.7/79



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.4/22

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:18.0/21

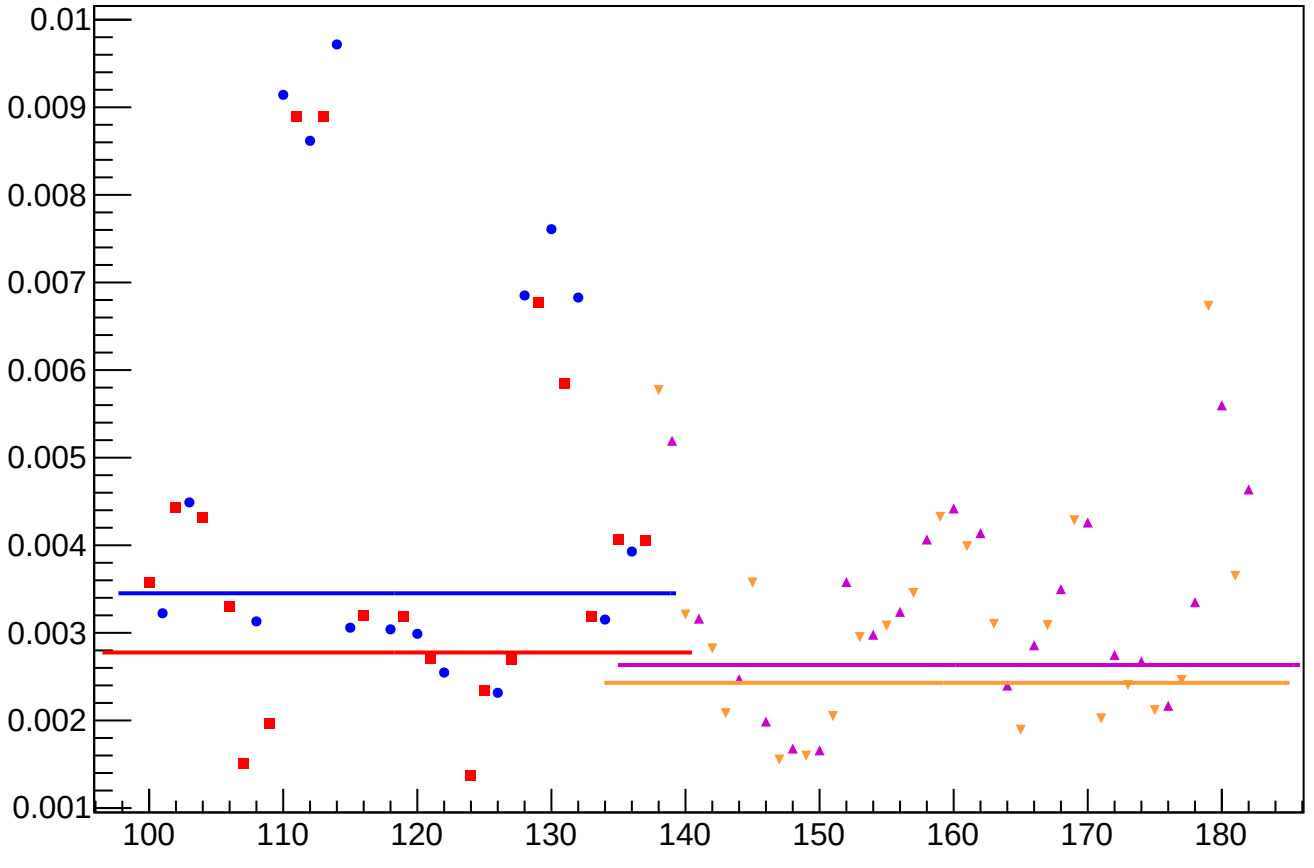
Left: 0.000+/-0.000 χ^2/NDF: 56.1/44

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:40.2/37

Out: 0.000+/-0.000 χ^2/NDF:53.2/41

All: 0.000+/-0.000 χ^2/NDF: 93.4/79



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4216330.6/22

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3931304.3/21

Left: 0.003+/-0.000 χ^2/NDF: 8248859.9/44

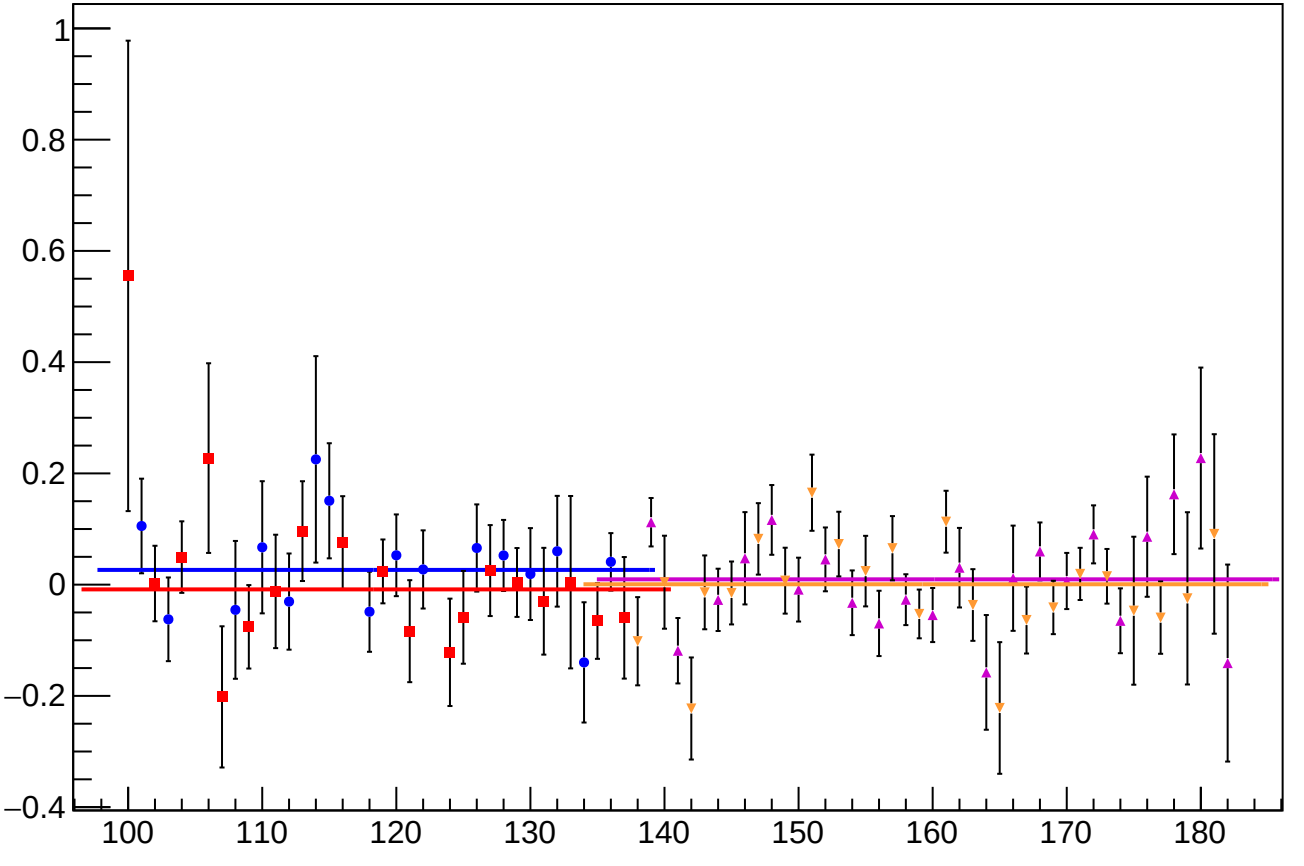
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:6447814.6/37

Out: 0.003+/-0.000 χ^2/NDF:7093109.8/41

All: 0.003+/-0.000 χ^2/NDF: 13785857.1/79

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.001+/-0.013 χ^2/NDF:30.9/22

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.013 χ^2/NDF:31.8/21

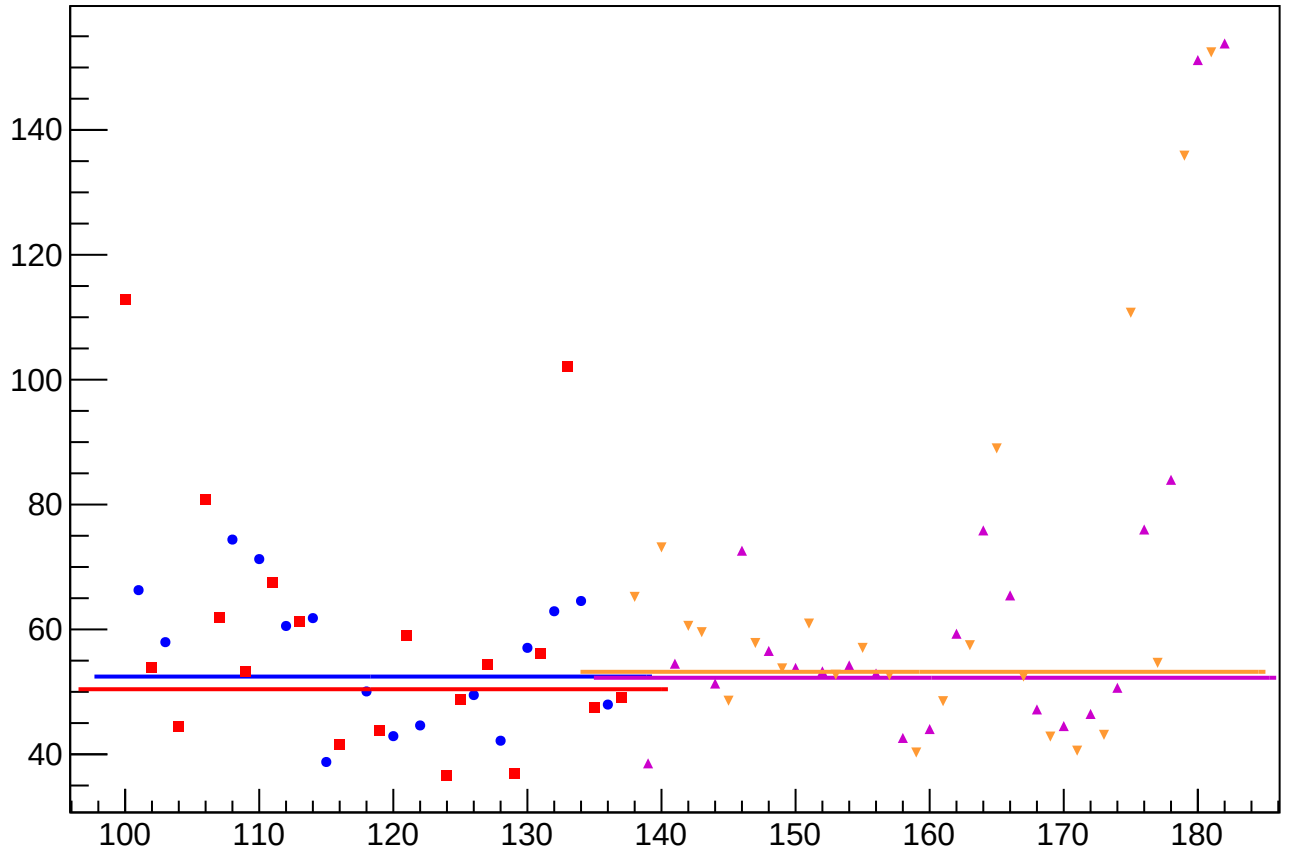
Left: 0.005+/-0.009 χ^2/NDF: 63.0/44

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:42.2/37

Out: -0.002+/-0.011 χ^2/NDF:45.0/41

All: 0.006+/-0.008 χ^2/NDF: 88.4/79



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.211+/-0.009 χ^2/NDF:2507873.7/22

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 52.258+/-0.009 χ^2/NDF:2405517.4/21

Left: 52.732+/-0.007 χ^2/NDF: 4918540.9/44

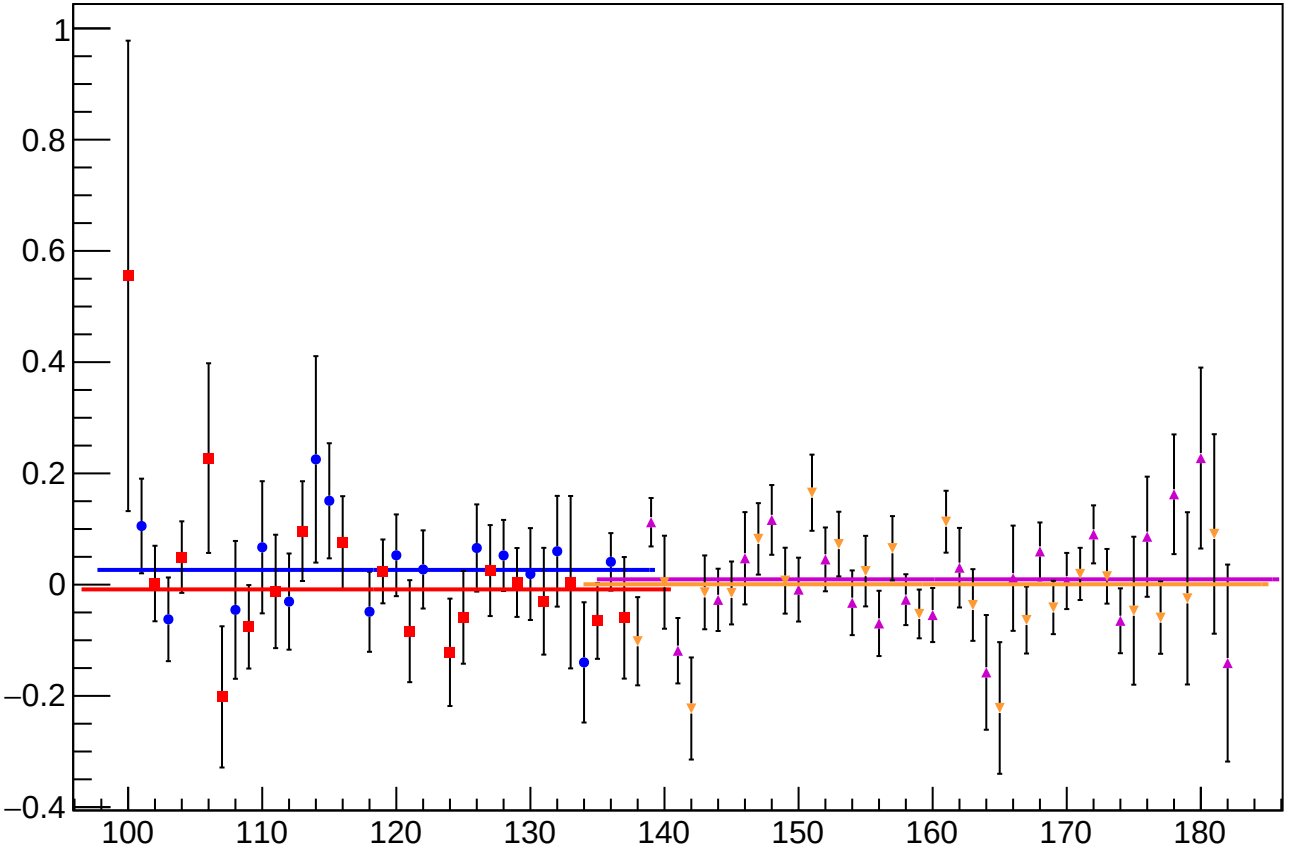
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 52.315+/-0.008 χ^2/NDF:2823609.1/37

Out: 52.323+/-0.008 χ^2/NDF:3212587.7/41

All: 52.319+/-0.006 χ^2/NDF: 6036197.4/79

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: 0.001+/-0.013 χ^2/NDF:30.9/22

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.013 χ^2/NDF:31.8/21

Left: 0.005+/-0.009 χ^2/NDF: 63.0/44

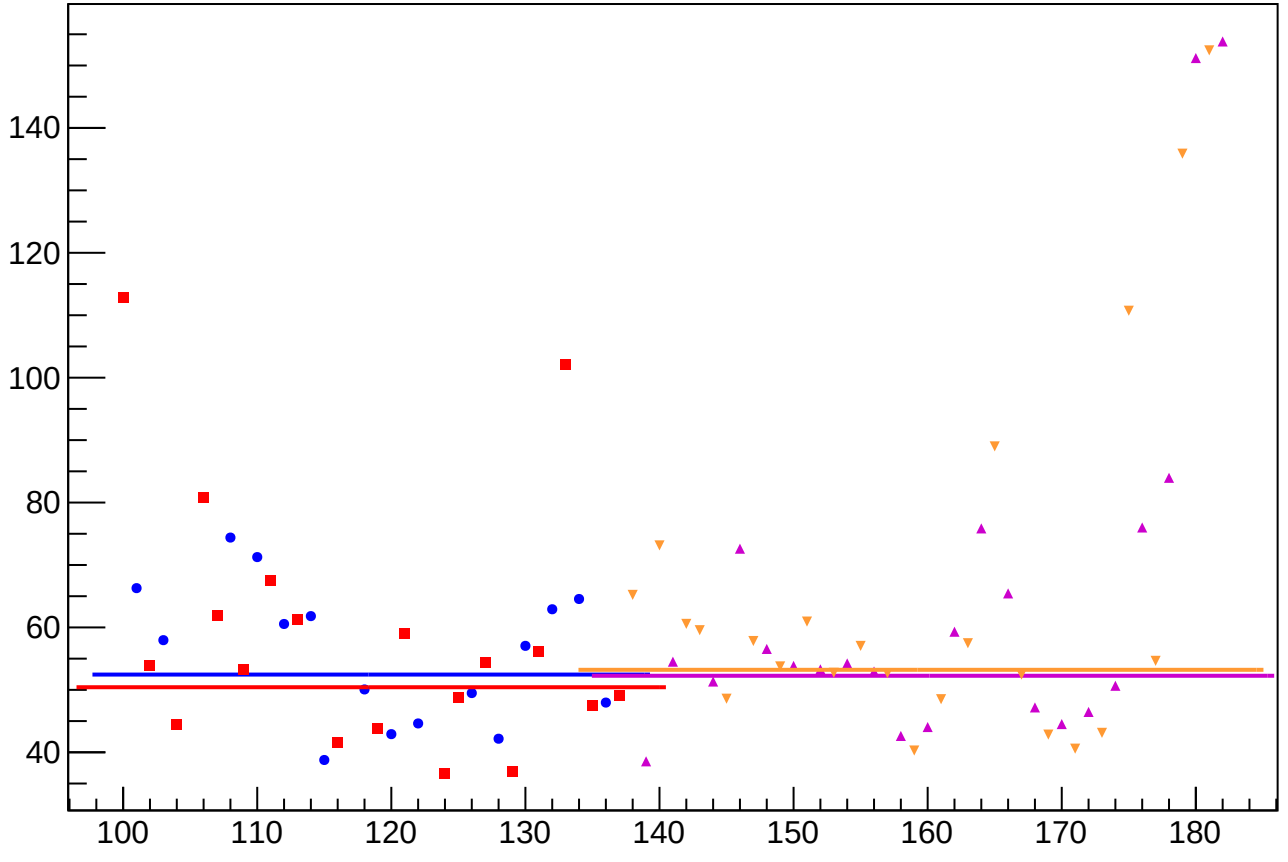
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:42.2/37

Out: -0.002+/-0.011 χ^2/NDF:45.0/41

All: 0.006+/-0.008 χ^2/NDF: 88.4/79

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: 53.211+/-0.009 χ^2/NDF:2507873.7/22

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 52.258+/-0.009 χ^2/NDF:2405517.4/21

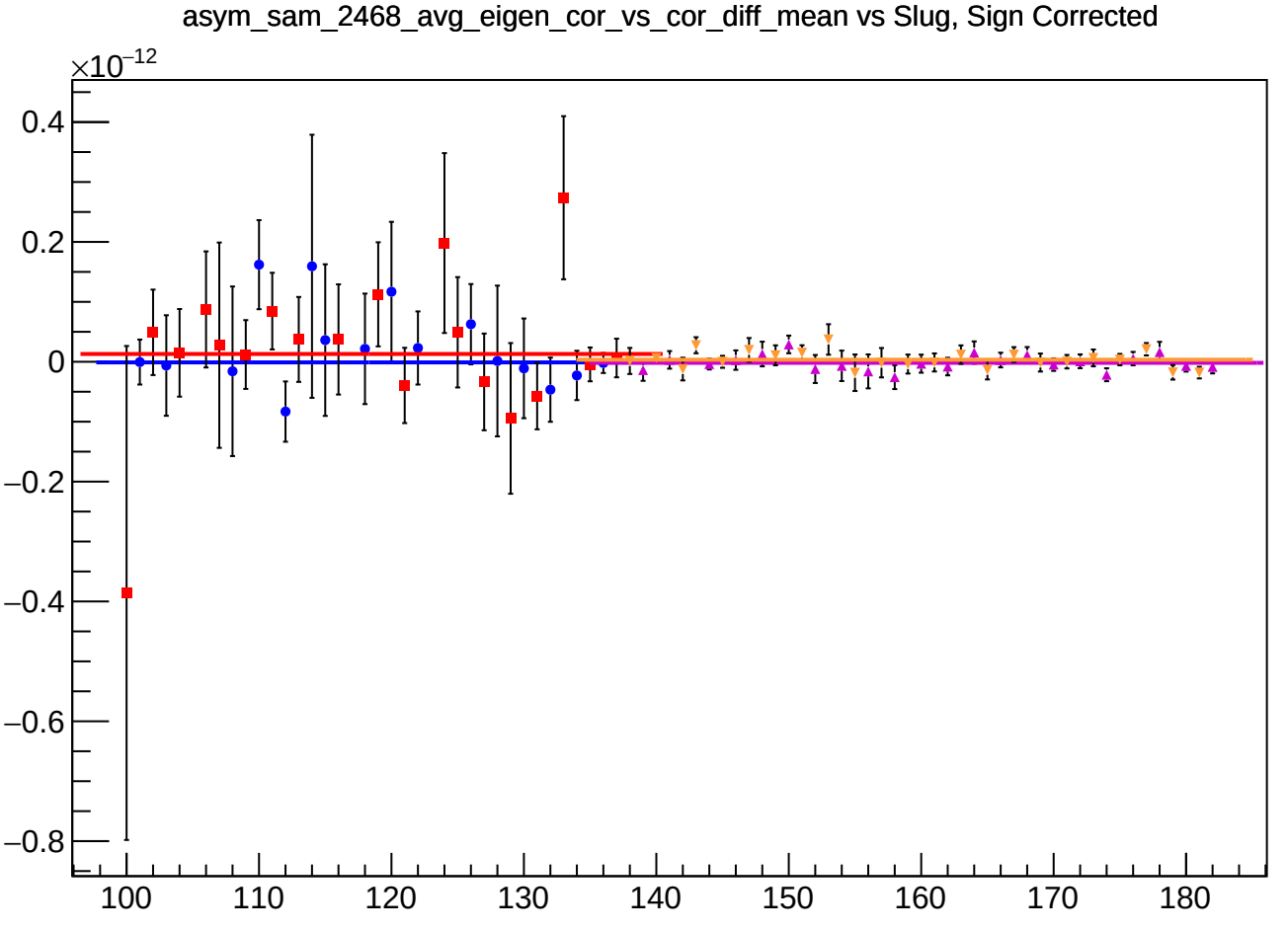
Left: 52.732+/-0.007 χ^2/NDF: 4918540.9/44

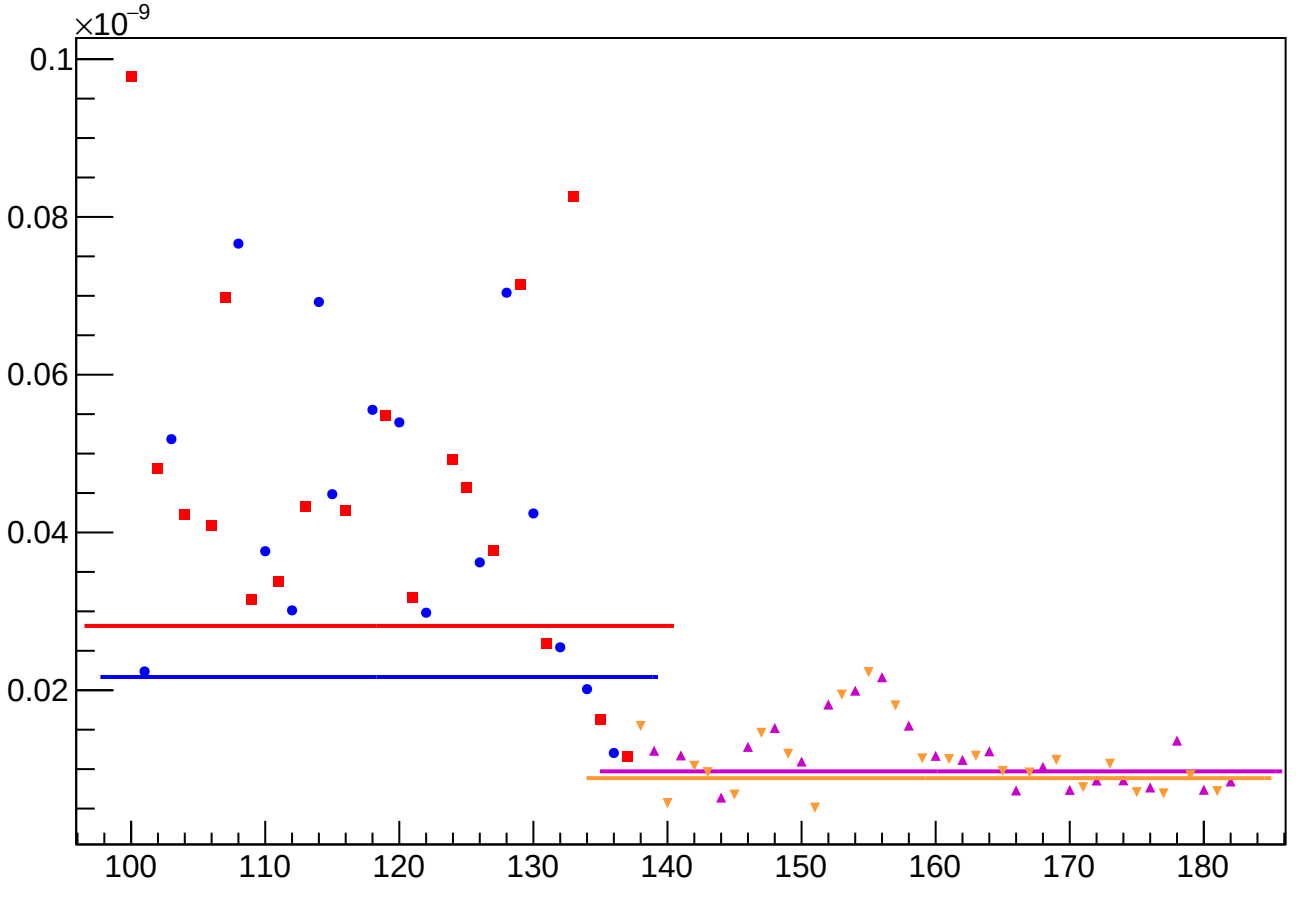
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 52.315+/-0.008 χ^2/NDF:2823609.1/37

Out: 52.323+/-0.008 χ^2/NDF:3212587.7/41

All: 52.319+/-0.006 χ^2/NDF: 6036197.4/79


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:21.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: -0.000+/-0.000 χ²/NDF:15.2/21
Left: 0.000+/-0.000 χ²/NDF: 38.3/44
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:26.5/37
Out: 0.000+/-0.000 χ²/NDF:35.5/41
All: 0.000+/-0.000 χ²/NDF: 63.9/79



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2508449.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2318070.3/21

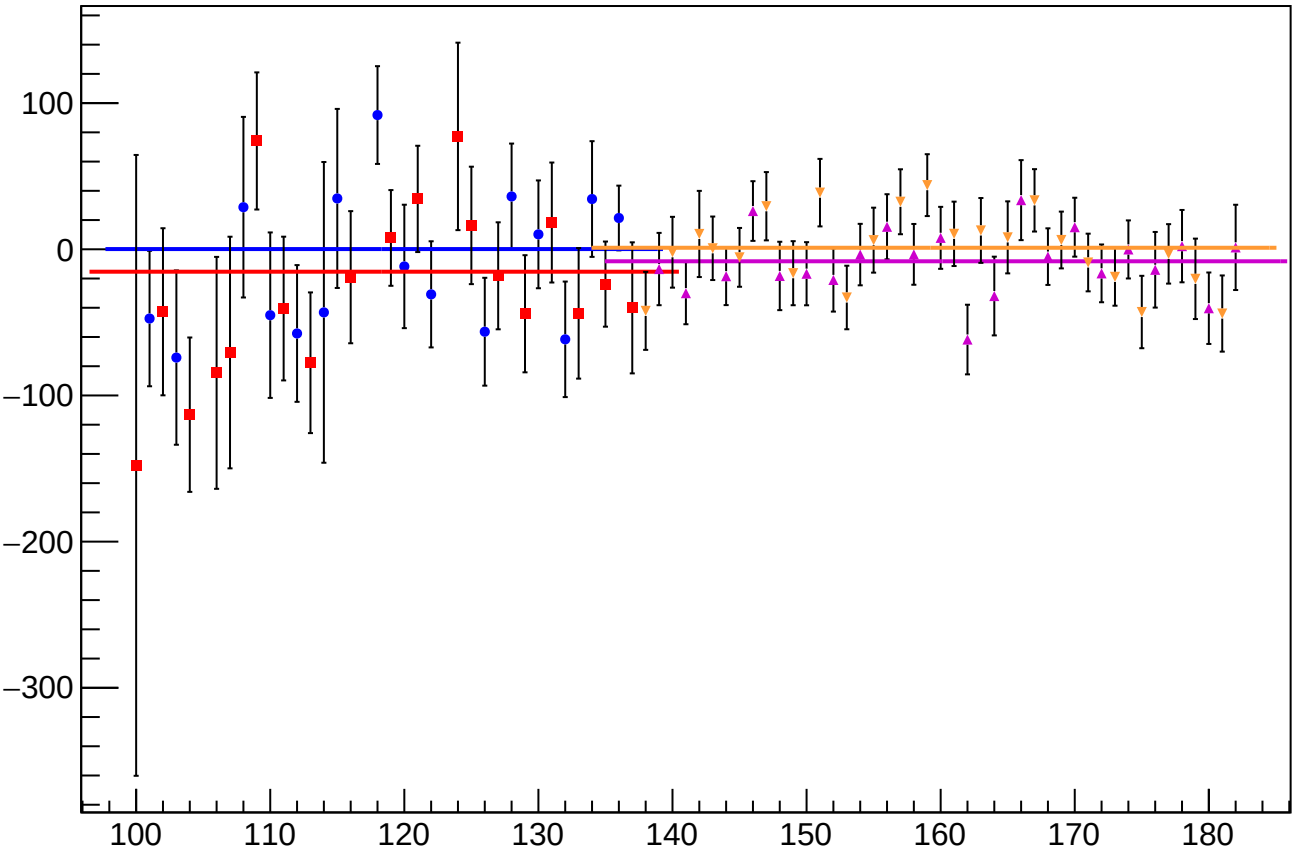
Left: 0.000+/-0.000 χ^2/NDF: 4917875.6/44

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:6723017.0/37

Out: 0.000+/-0.000 χ^2/NDF:8306835.4/41

All: 0.000+/-0.000 χ^2/NDF: 15123255.8/79



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 1.047+/-4.682 χ^2/NDF:27.2/22

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -8.203+/-4.746 χ^2/NDF:18.6/21

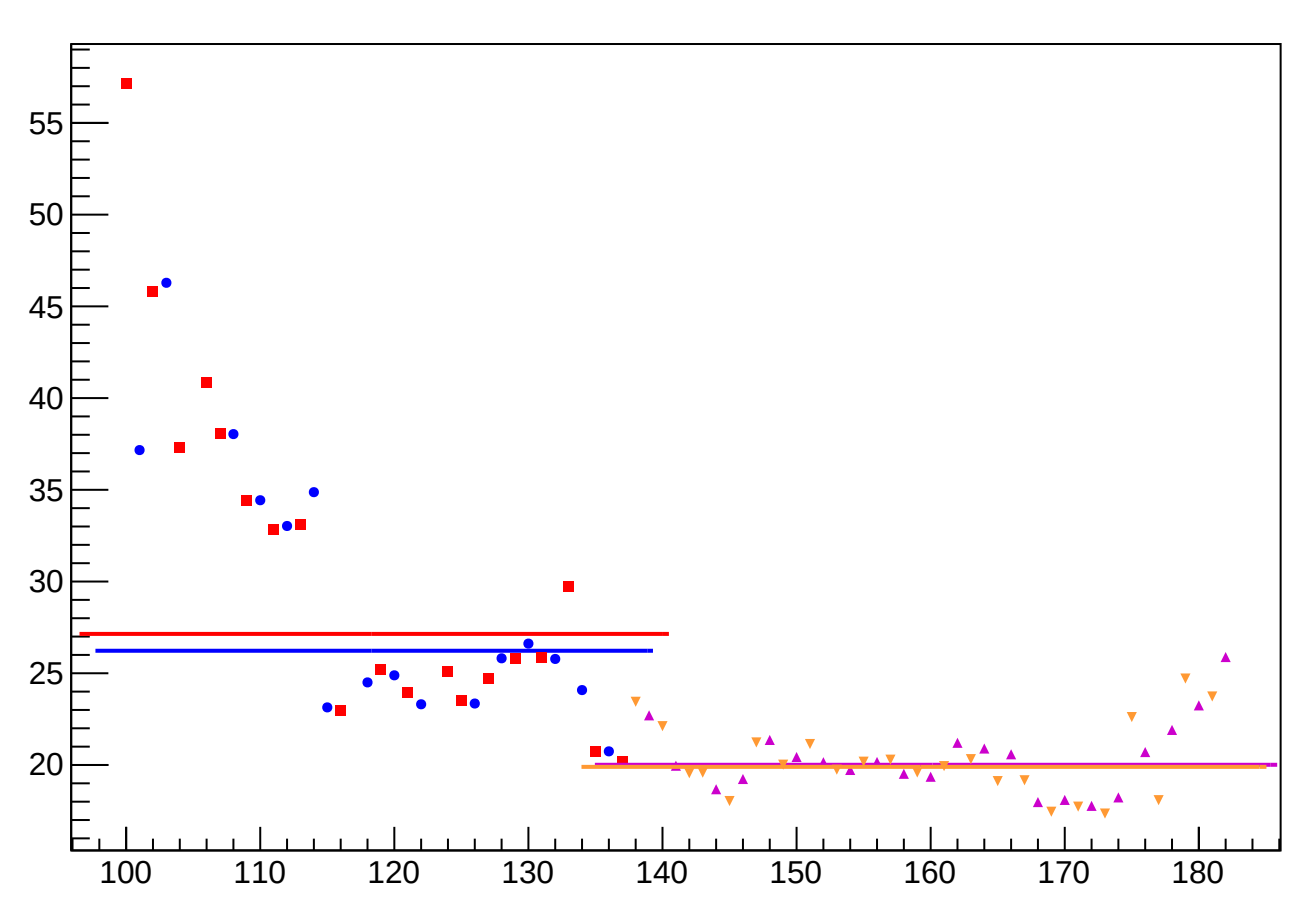
Left: -3.516+/-3.333 χ^2/NDF: 47.8/44

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -6.678+/-4.291 χ^2/NDF:40.5/37

Out: -1.774+/-4.260 χ^2/NDF:47.3/41

All: -4.208+/-3.023 χ^2/NDF: 88.5/79



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.898+/-0.003 χ^2/NDF:322612.9/22

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.011+/-0.003 χ^2/NDF:266064.2/21

Left: 19.954+/-0.002 χ^2/NDF: 589254.8/44

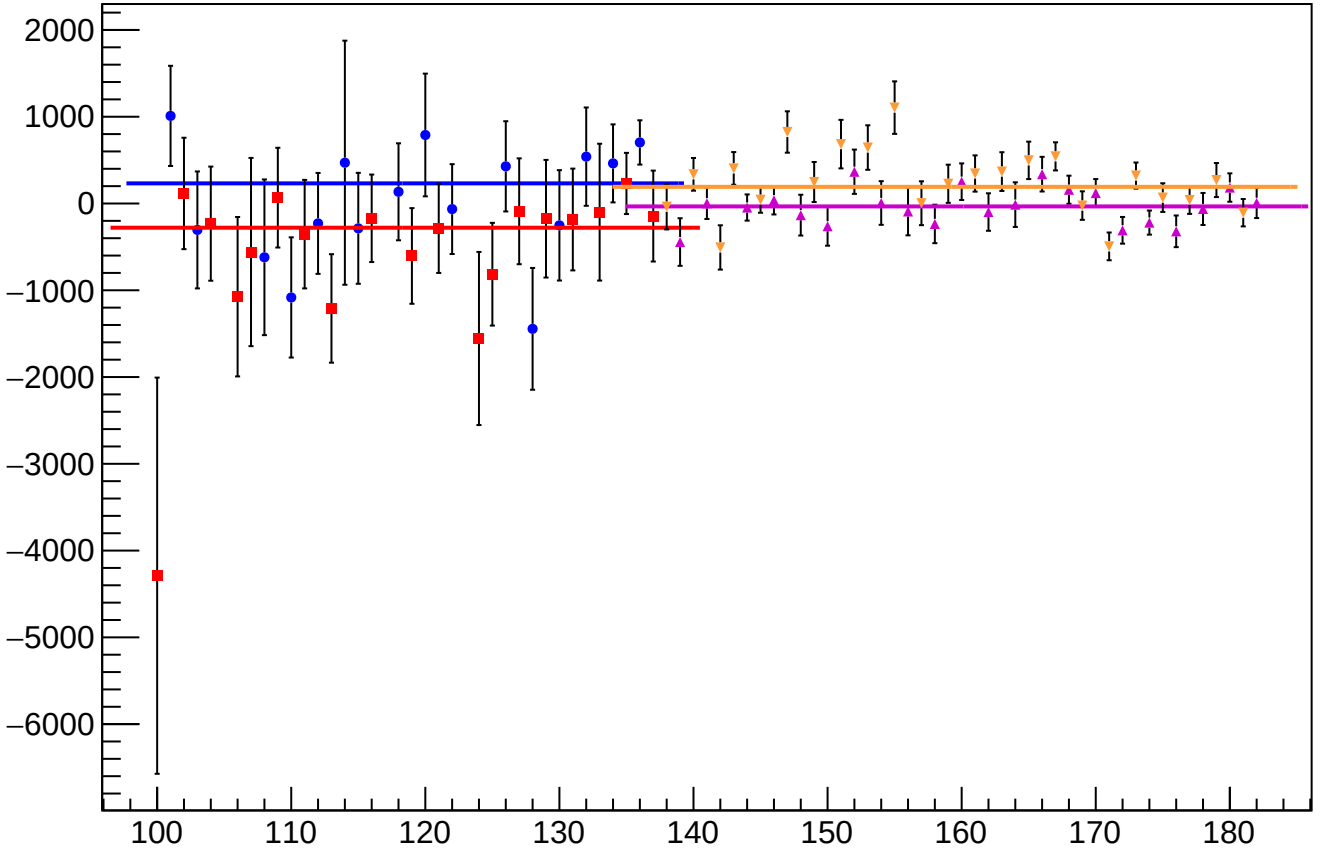
Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 21.145+/-0.003 χ^2/NDF:1567910.0/37

Out: 21.146+/-0.003 χ^2/NDF:1903071.3/41

All: 21.145+/-0.002 χ^2/NDF: 3470981.4/79

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 192.122+/-40.585 χ^2/NDF:68.0/22

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -33.686+/-40.435 χ^2/NDF:24.1/21

Left: 78.800+/-28.645 χ^2/NDF: 107.6/44

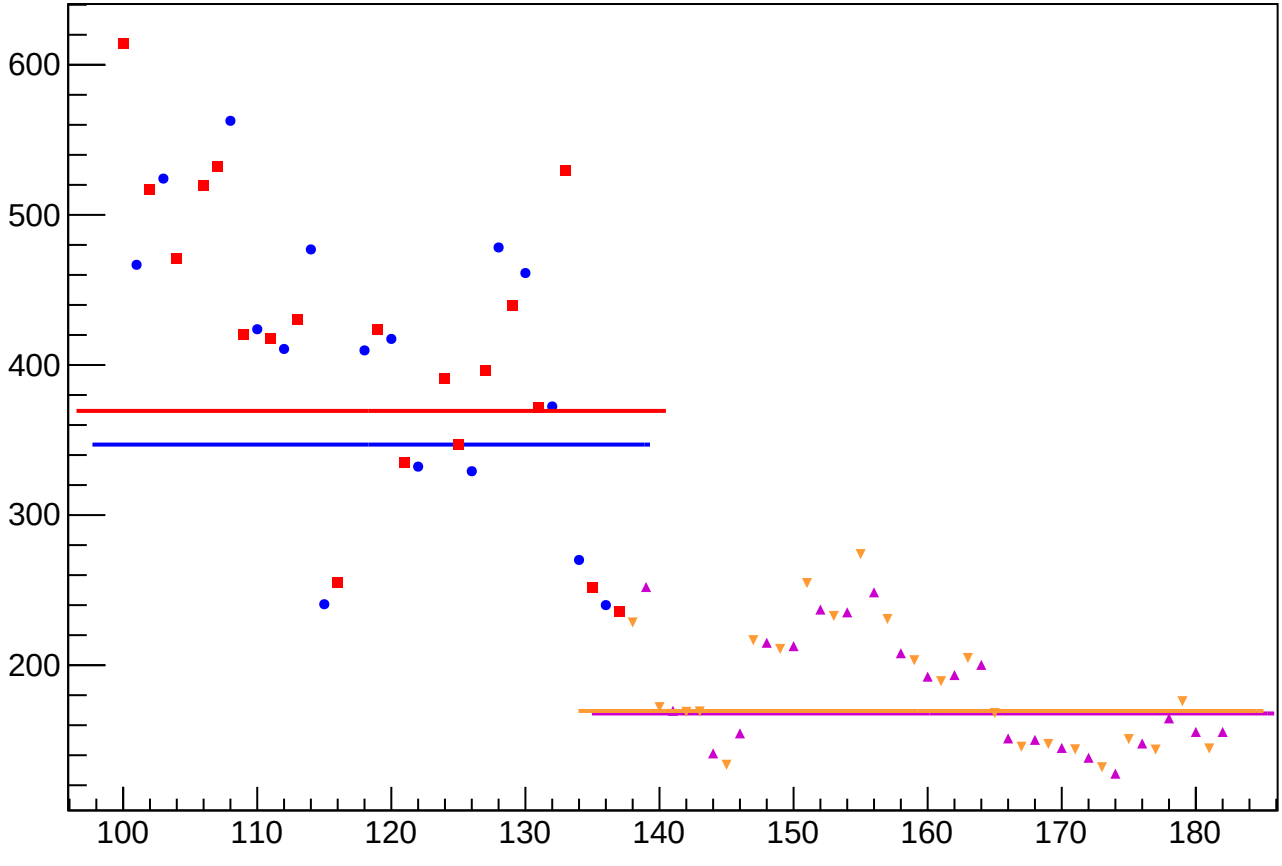
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: -11.768+/-38.732 χ^2/NDF:47.3/37

Out: 155.579+/-38.979 χ^2/NDF:90.5/41

All: 71.373+/-27.475 χ^2/NDF: 147.1/79

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: 169.489+/-0.029 χ^2/NDF:1521465.9/22

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 167.836+/-0.029 χ^2/NDF:1402601.5/21

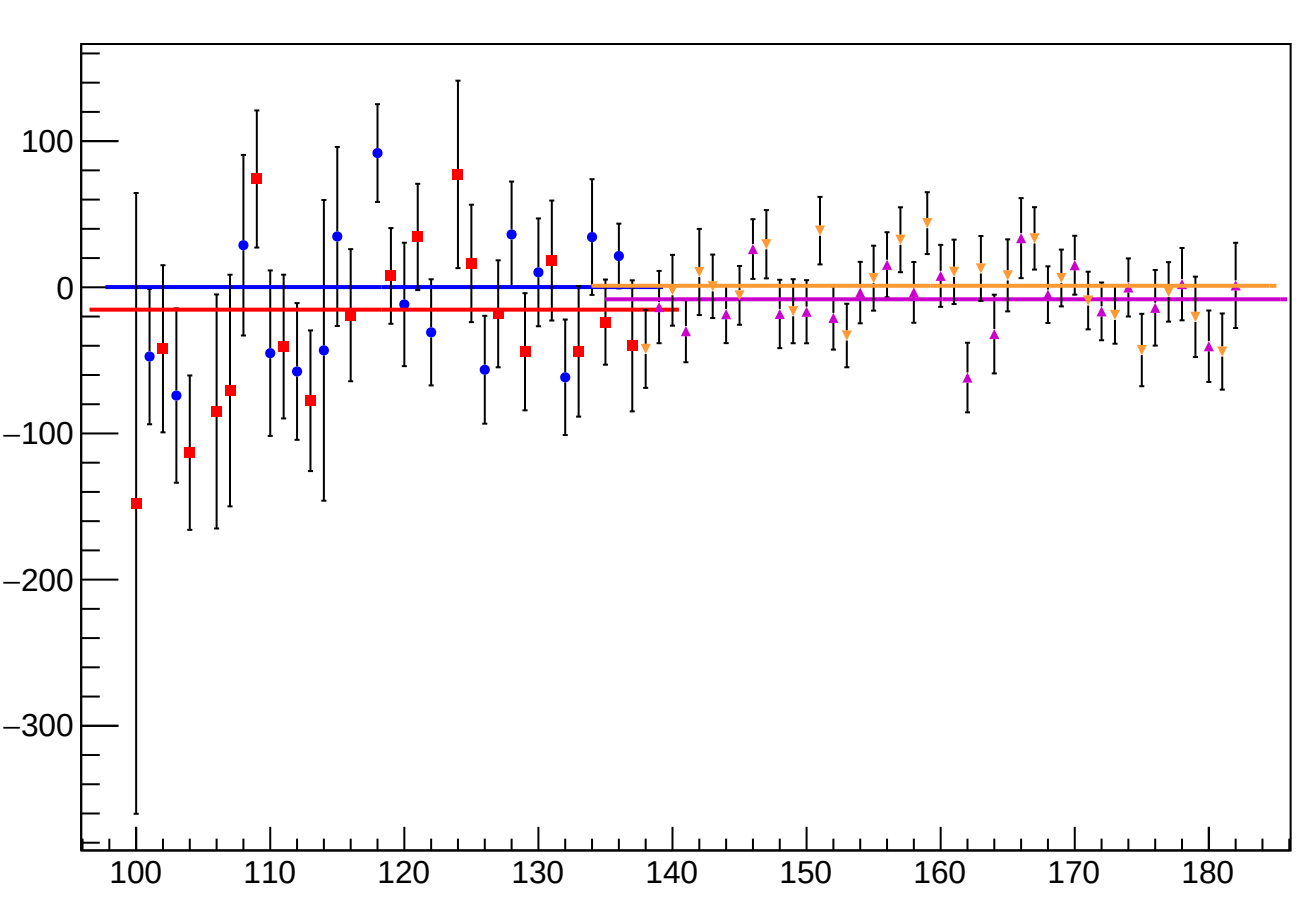
Left: 168.659+/-0.020 χ^2/NDF: 2925733.3/44

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 182.609+/-0.027 χ^2/NDF:5697809.7/37

Out: 184.995+/-0.028 χ^2/NDF:6204293.0/41

All: 183.794+/-0.019 χ^2/NDF: 11905872.8/79



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 1.045+/-4.682 χ^2/NDF:27.2/22

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -8.203+/-4.746 χ^2/NDF:18.6/21

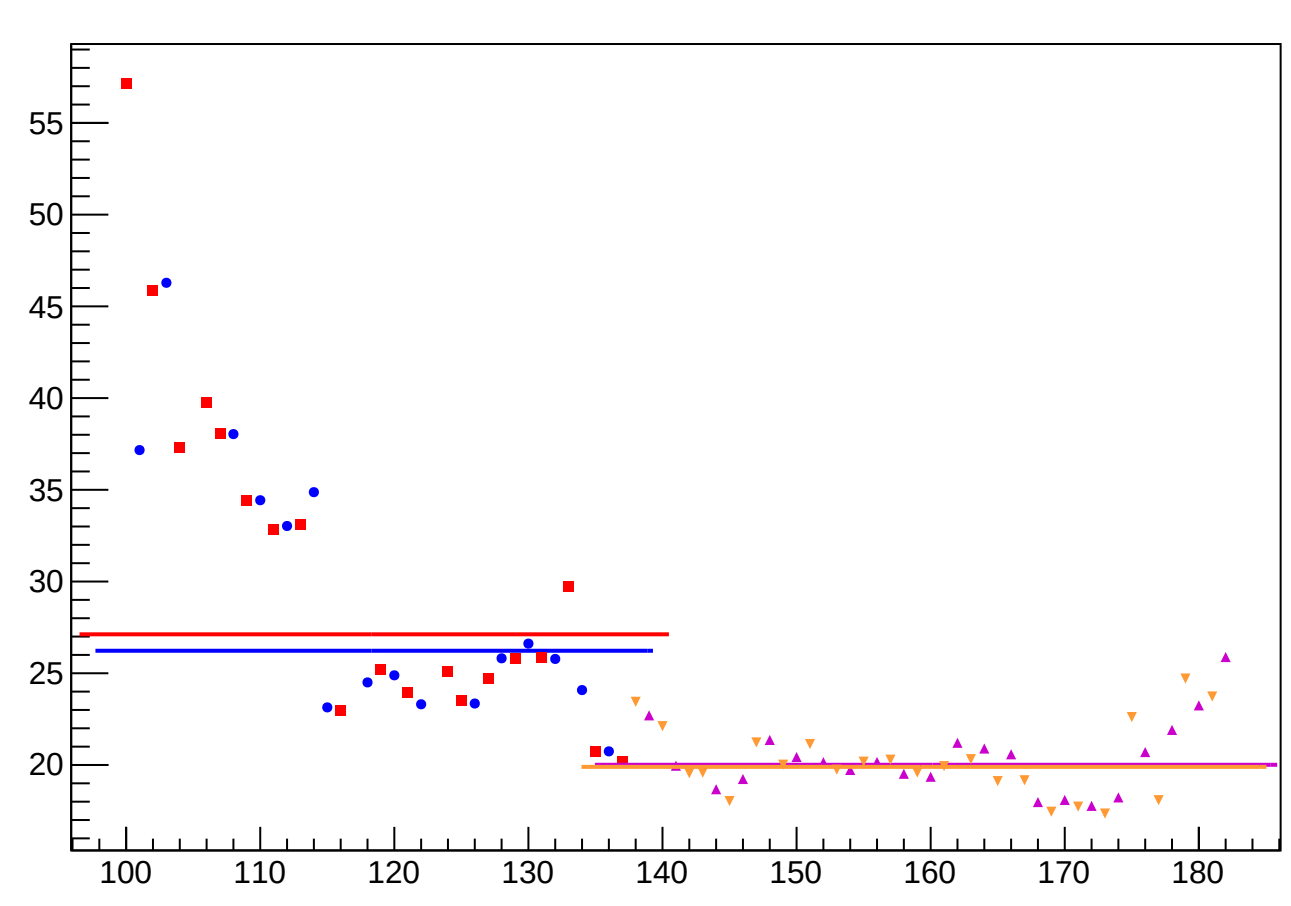
Left: -3.517+/-3.333 χ^2/NDF: 47.8/44

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.678+/-4.291 χ^2/NDF:40.5/37

Out: -1.767+/-4.260 χ^2/NDF:47.3/41

All: -4.205+/-3.023 χ^2/NDF: 88.4/79



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.898+/-0.003 χ^2/NDF:322612.9/22

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.011+/-0.003 χ^2/NDF:266064.2/21

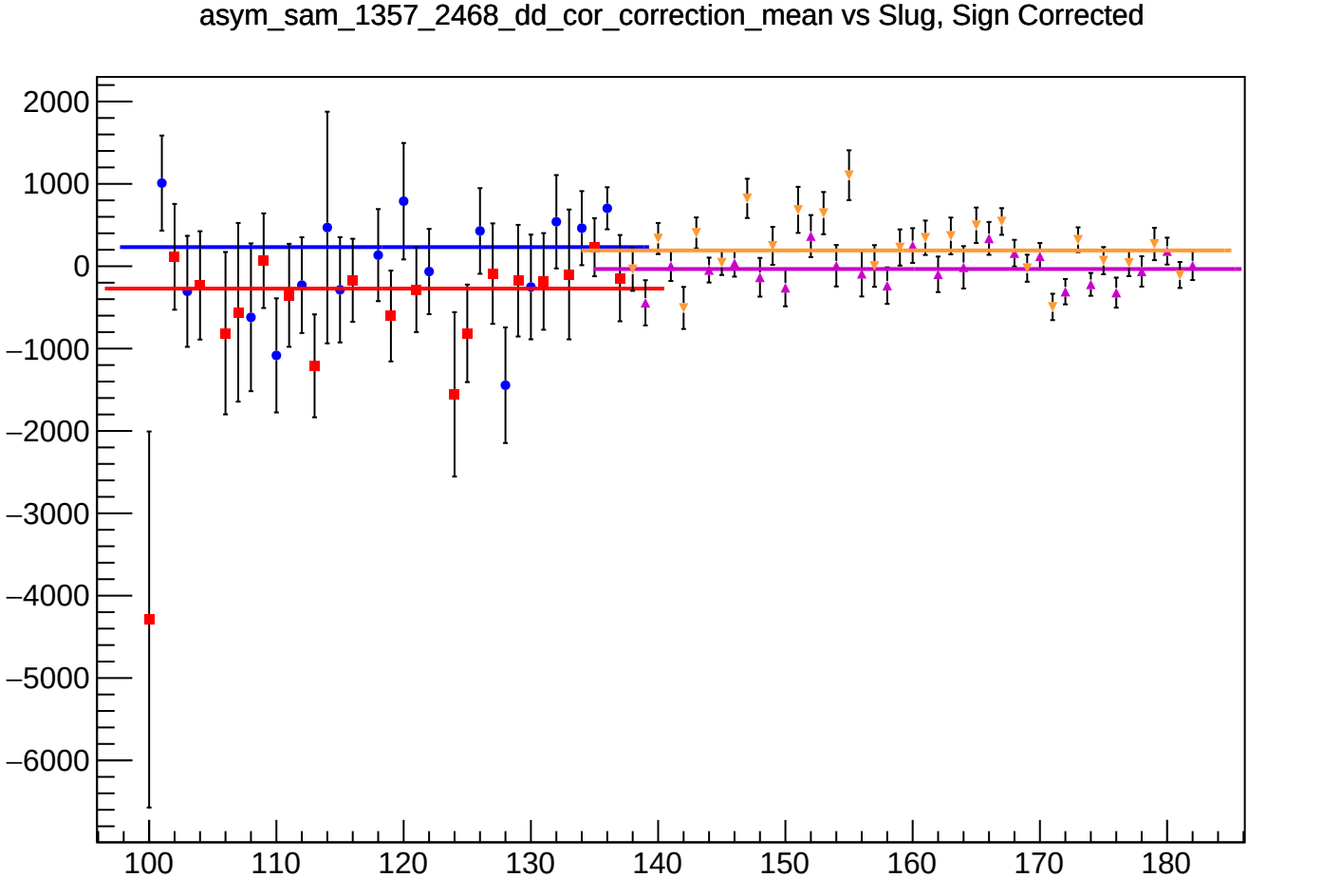
Left: 19.954+/-0.002 χ^2/NDF: 589254.8/44

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.145+/-0.003 χ^2/NDF:1567913.4/37

Out: 21.142+/-0.003 χ^2/NDF:1888119.8/41

All: 21.143+/-0.002 χ^2/NDF: 3456033.7/79



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 192.120+/-40.585 χ^2/NDF:68.0/22

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -33.687+/-40.435 χ^2/NDF:24.1/21

Left: 78.799+/-28.645 χ^2/NDF: 107.6/44

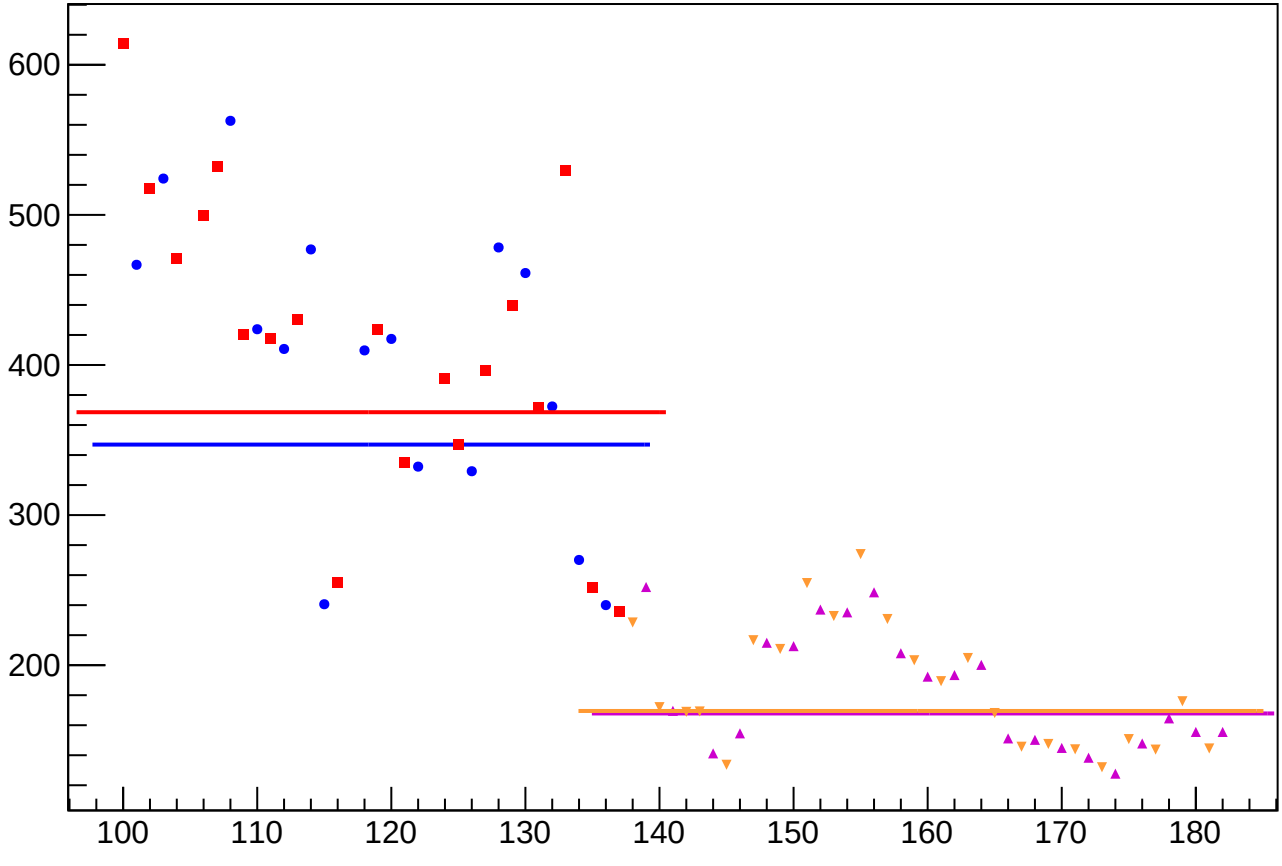
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -11.769+/-38.732 χ^2/NDF:47.3/37

Out: 156.273+/-38.984 χ^2/NDF:89.7/41

All: 71.707+/-27.476 χ^2/NDF: 146.4/79

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: 169.489+/-0.029 χ^2/NDF:1521466.2/22

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 167.836+/-0.029 χ^2/NDF:1402597.4/21

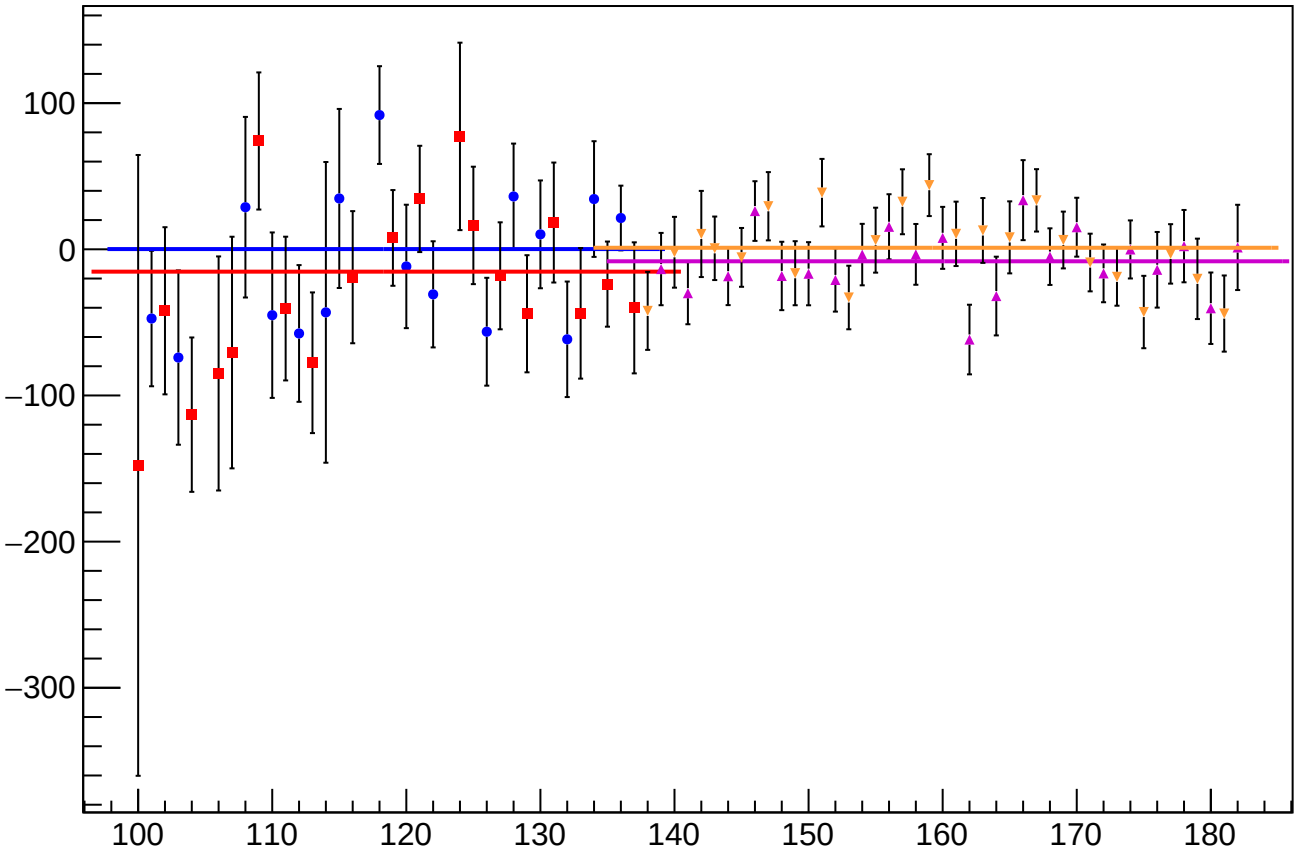
Left: 168.659+/-0.020 χ^2/NDF: 2925729.3/44

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 182.609+/-0.027 χ^2/NDF:5697824.7/37

Out: 184.883+/-0.028 χ^2/NDF:6142408.5/41

All: 183.739+/-0.019 χ^2/NDF: 11843658.6/79



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 1.045+/-4.682 χ^2/NDF:27.2/22

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -8.203+/-4.746 χ^2/NDF:18.6/21

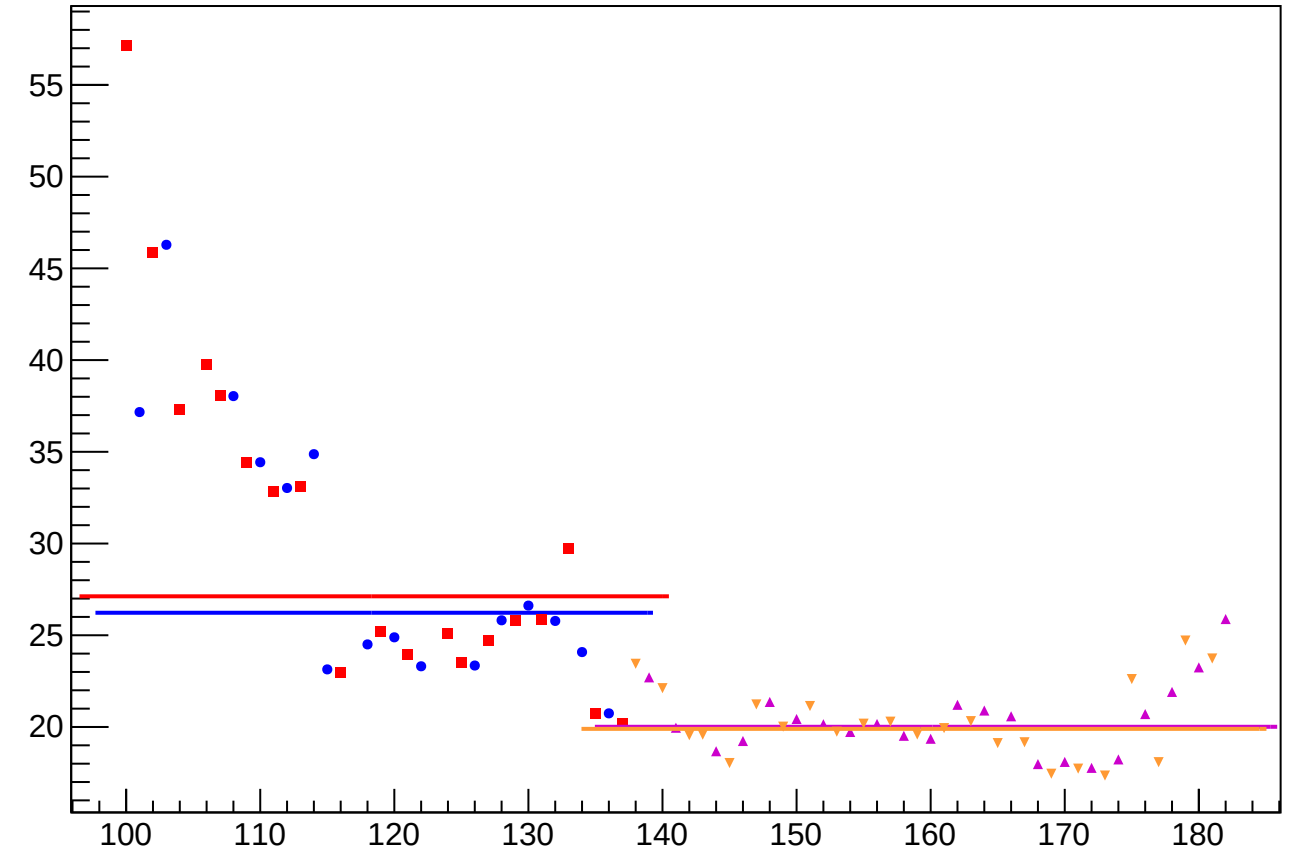
Left: -3.517+/-3.333 χ^2/NDF: 47.8/44

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.678+/-4.291 χ^2/NDF:40.5/37

Out: -1.767+/-4.260 χ^2/NDF:47.3/41

All: -4.205+/-3.023 χ^2/NDF: 88.4/79



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.898+/-0.003 χ^2/NDF:322612.9/22

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.011+/-0.003 χ^2/NDF:266064.2/21

Left: 19.954+/-0.002 χ^2/NDF: 589254.8/44

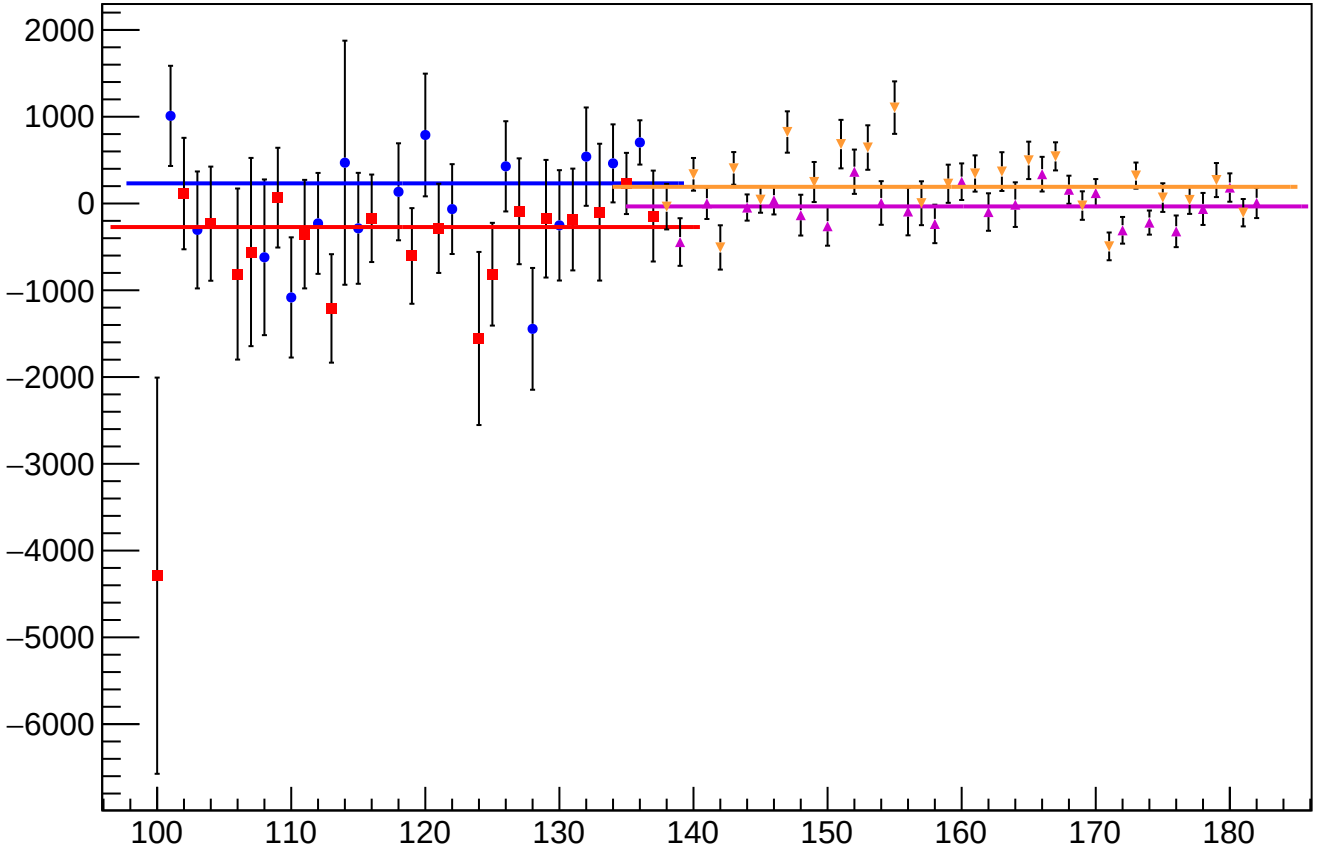
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.145+/-0.003 χ^2/NDF:1567913.4/37

Out: 21.142+/-0.003 χ^2/NDF:1888119.8/41

All: 21.143+/-0.002 χ^2/NDF: 3456033.7/79

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 192.120+/-40.585 χ^2/NDF:68.0/22

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -33.687+/-40.435 χ^2/NDF:24.1/21

Left: 78.799+/-28.645 χ^2/NDF: 107.6/44

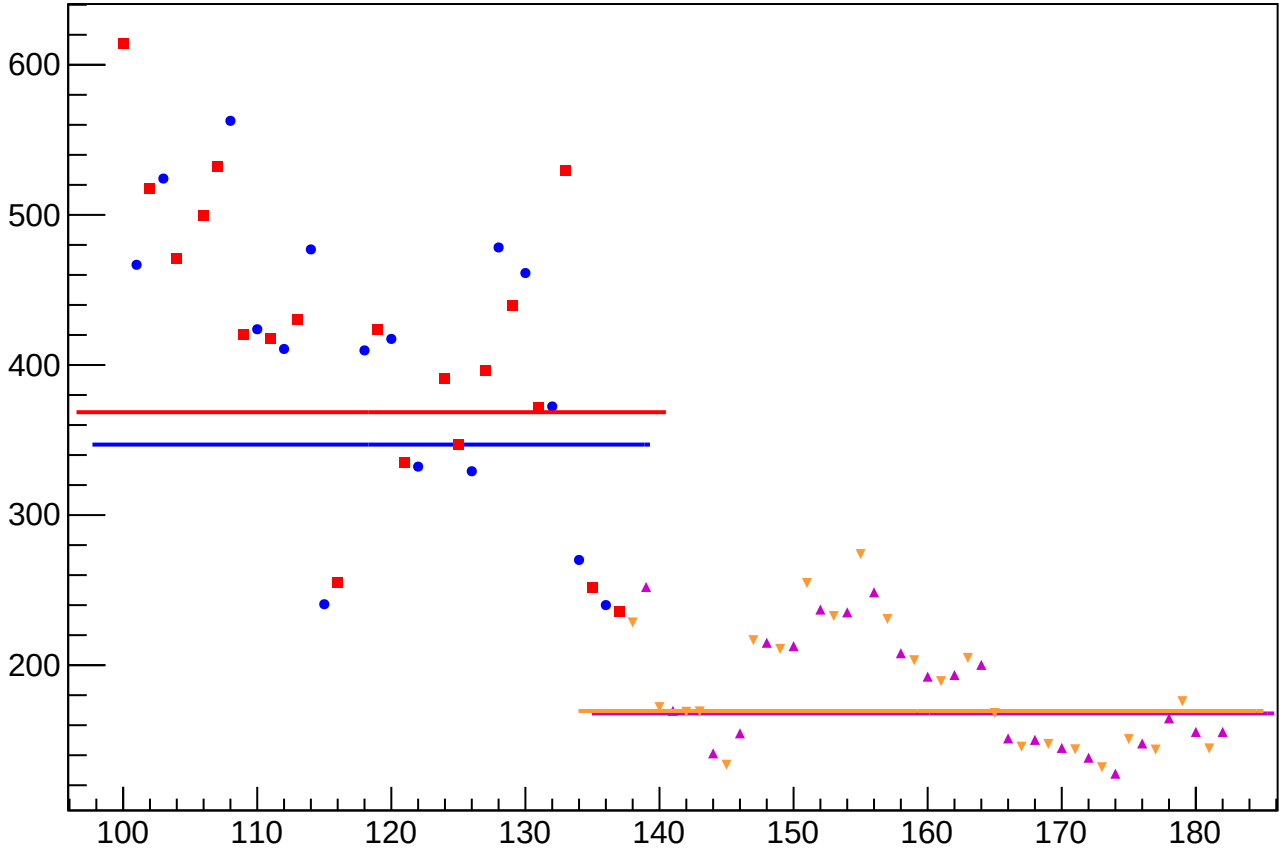
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -11.769+/-38.732 χ^2/NDF:47.3/37

Out: 156.273+/-38.984 χ^2/NDF:89.7/41

All: 71.707+/-27.476 χ^2/NDF: 146.4/79

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: 169.489+/-0.029 χ^2/NDF:1521466.2/22

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 167.836+/-0.029 χ^2/NDF:1402597.4/21

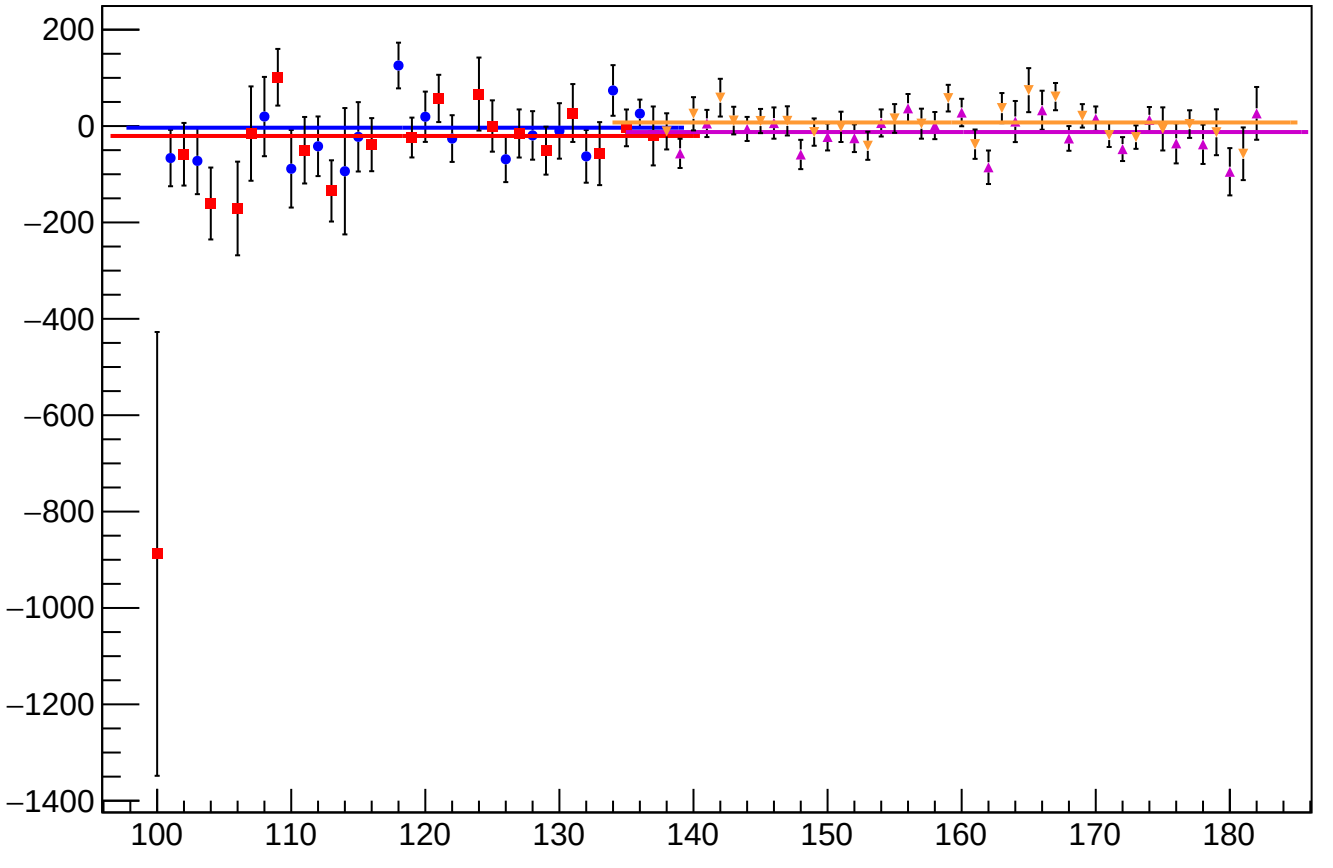
Left: 168.659+/-0.020 χ^2/NDF: 2925729.3/44

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 182.609+/-0.027 χ^2/NDF:5697824.7/37

Out: 184.883+/-0.028 χ^2/NDF:6142408.5/41

All: 183.739+/-0.019 χ^2/NDF: 11843658.6/79



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 7.446+/-6.414 χ^2/NDF:22.5/22

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -12.413+/-6.541 χ^2/NDF:25.4/21

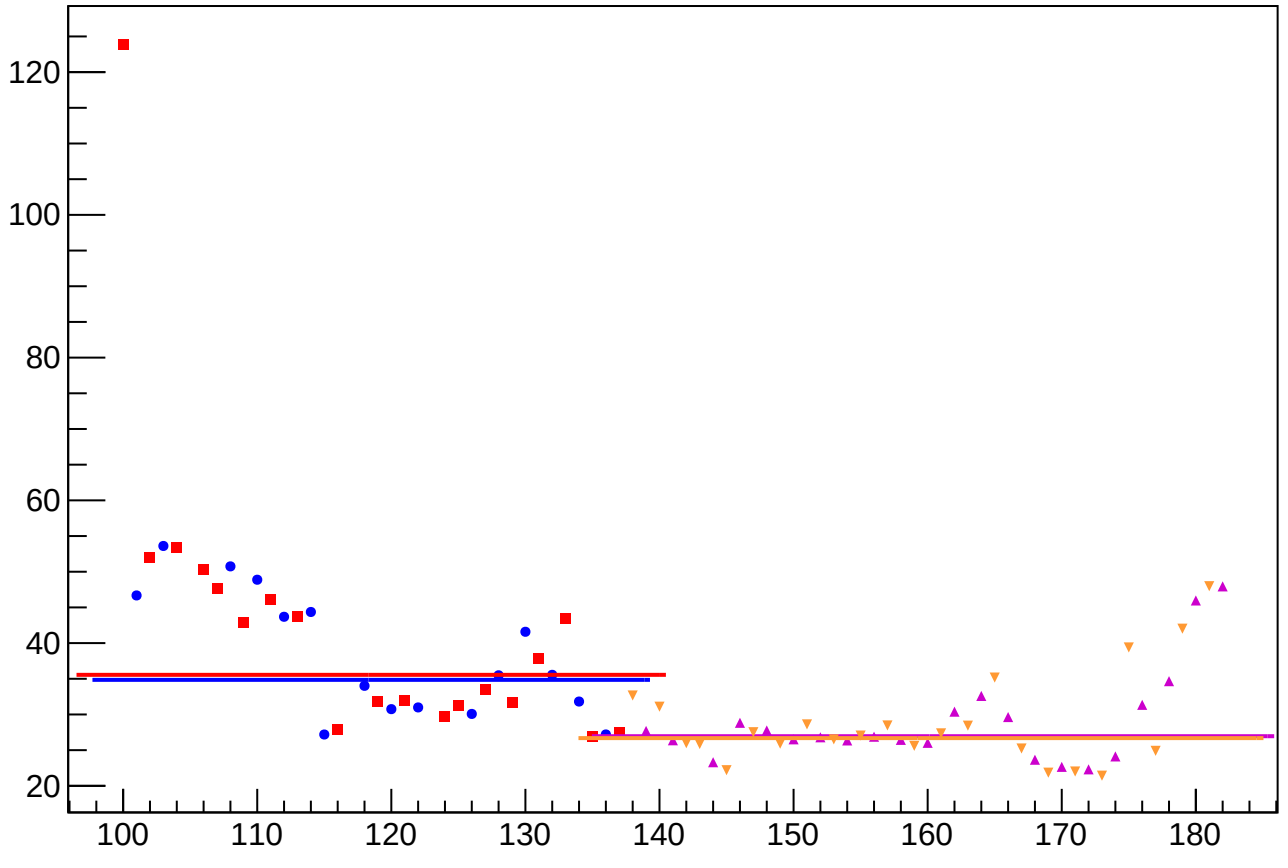
Left: -2.288+/-4.580 χ^2/NDF: 52.6/44

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -10.682+/-5.877 χ^2/NDF:44.2/37

Out: 2.272+/-5.791 χ^2/NDF:49.2/41

All: -4.109+/-4.125 χ^2/NDF: 95.9/79



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.686+/-0.005 χ^2/NDF:1174724.5/22

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.955+/-0.005 χ^2/NDF:991567.6/21

Left: 26.818+/-0.003 χ^2/NDF: 2168004.5/44

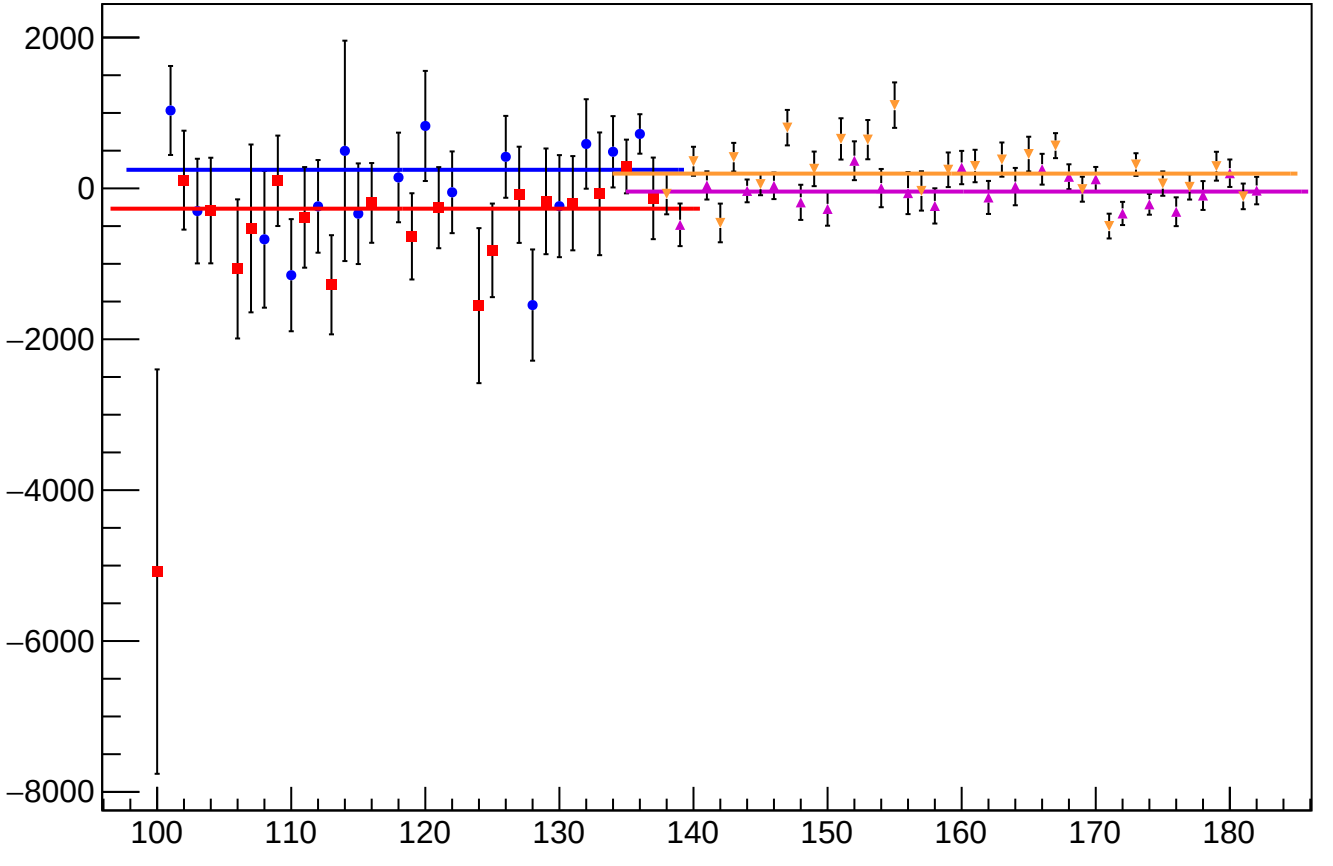
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 28.475+/-0.004 χ^2/NDF:2211014.9/37

Out: 28.324+/-0.004 χ^2/NDF:2660595.9/41

All: 28.399+/-0.003 χ^2/NDF: 4872281.6/79

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 195.923+/-41.150 χ^2/NDF:65.4/22

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -42.261+/-41.382 χ^2/NDF:23.2/21

Left: 77.502+/-29.179 χ^2/NDF: 105.3/44

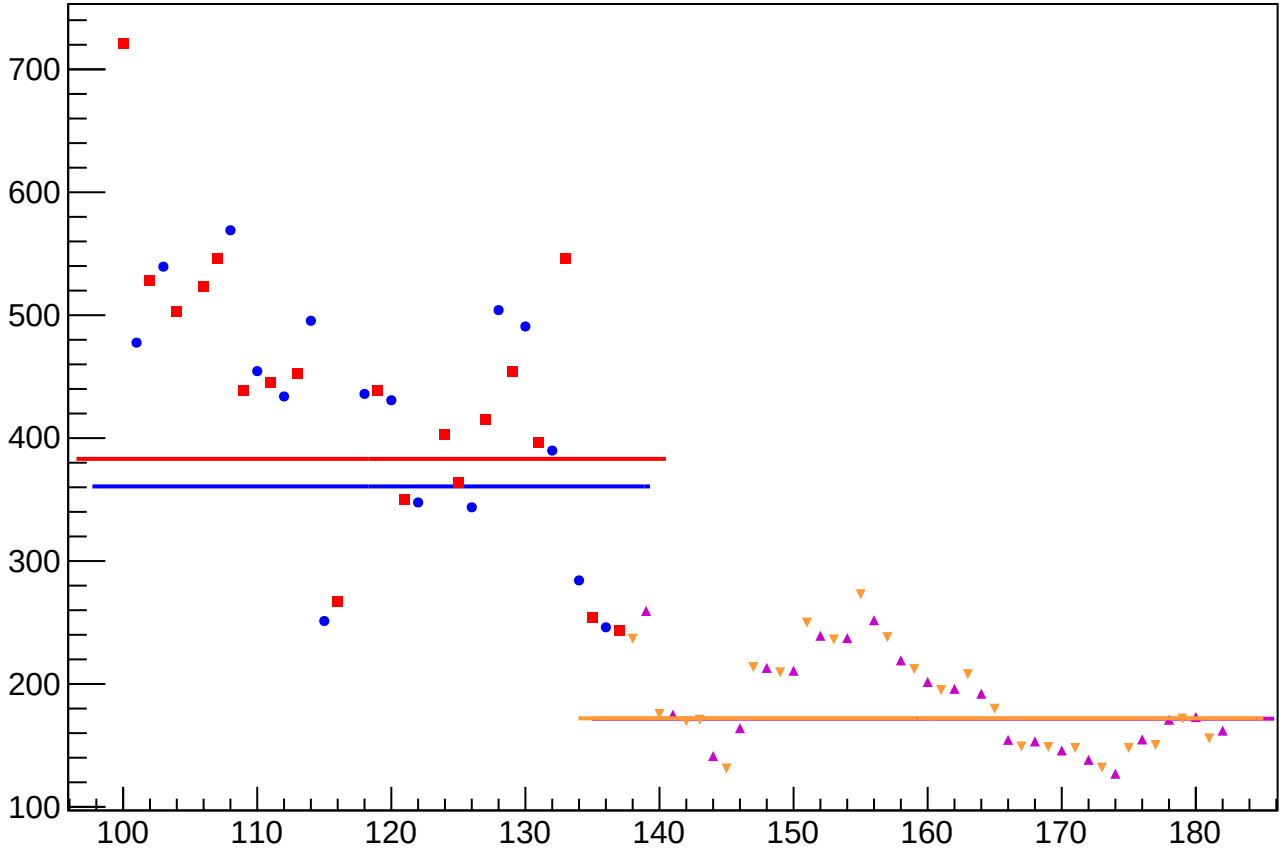
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: -19.141+/-39.691 χ^2/NDF:46.8/37

Out: 161.407+/-39.593 χ^2/NDF:87.5/41

All: 71.357+/-28.031 χ^2/NDF: 144.7/79

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: 172.041+/-0.029 χ^2/NDF:1519468.2/22

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 171.727+/-0.029 χ^2/NDF:1412409.9/21

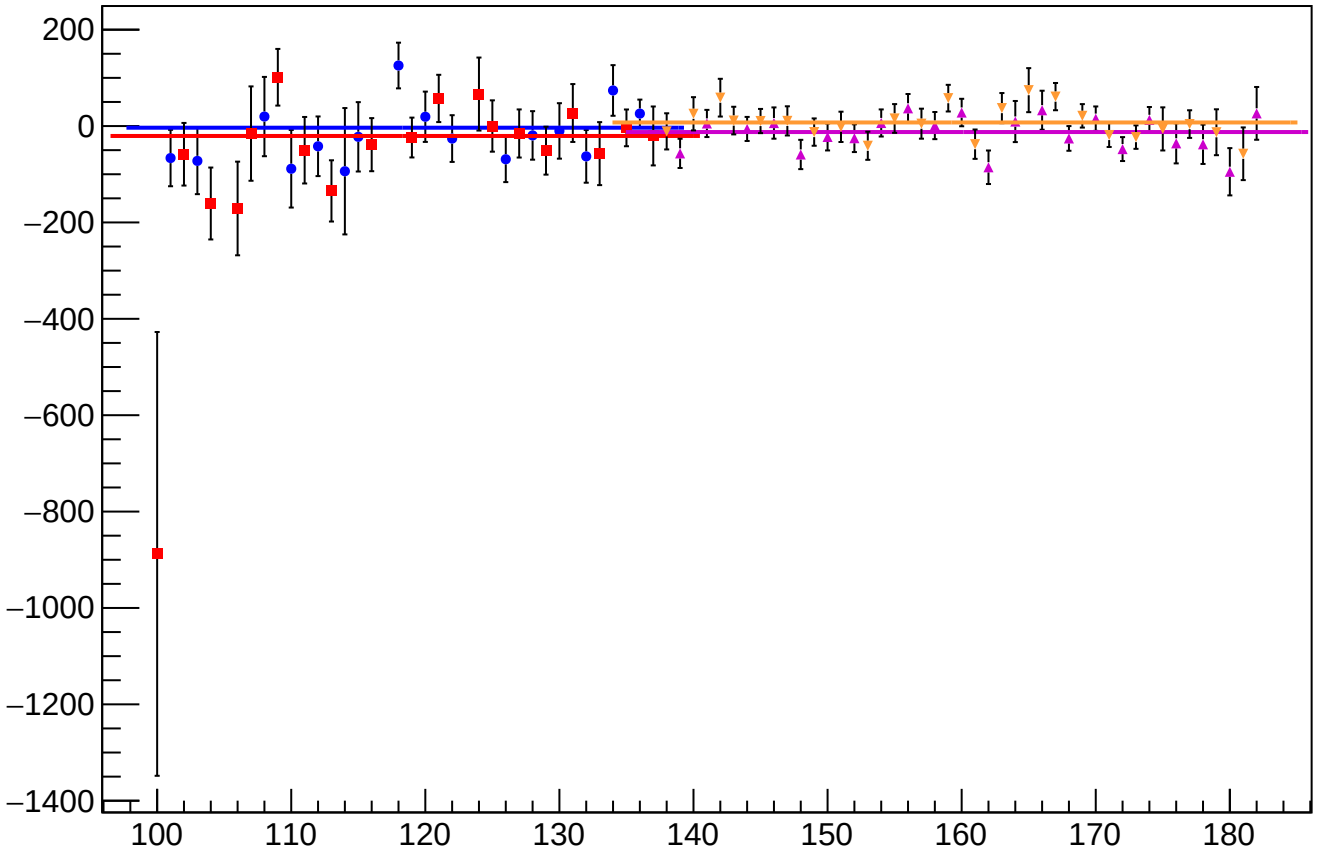
Left: 171.885+/-0.021 χ^2/NDF: 2931935.8/44

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 186.856+/-0.028 χ^2/NDF:5843985.7/37

Out: 187.715+/-0.028 χ^2/NDF:6390617.0/41

All: 187.287+/-0.020 χ^2/NDF: 12235072.3/79



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 7.446+/-6.414 χ^2/NDF:22.5/22

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -12.413+/-6.541 χ^2/NDF:25.4/21

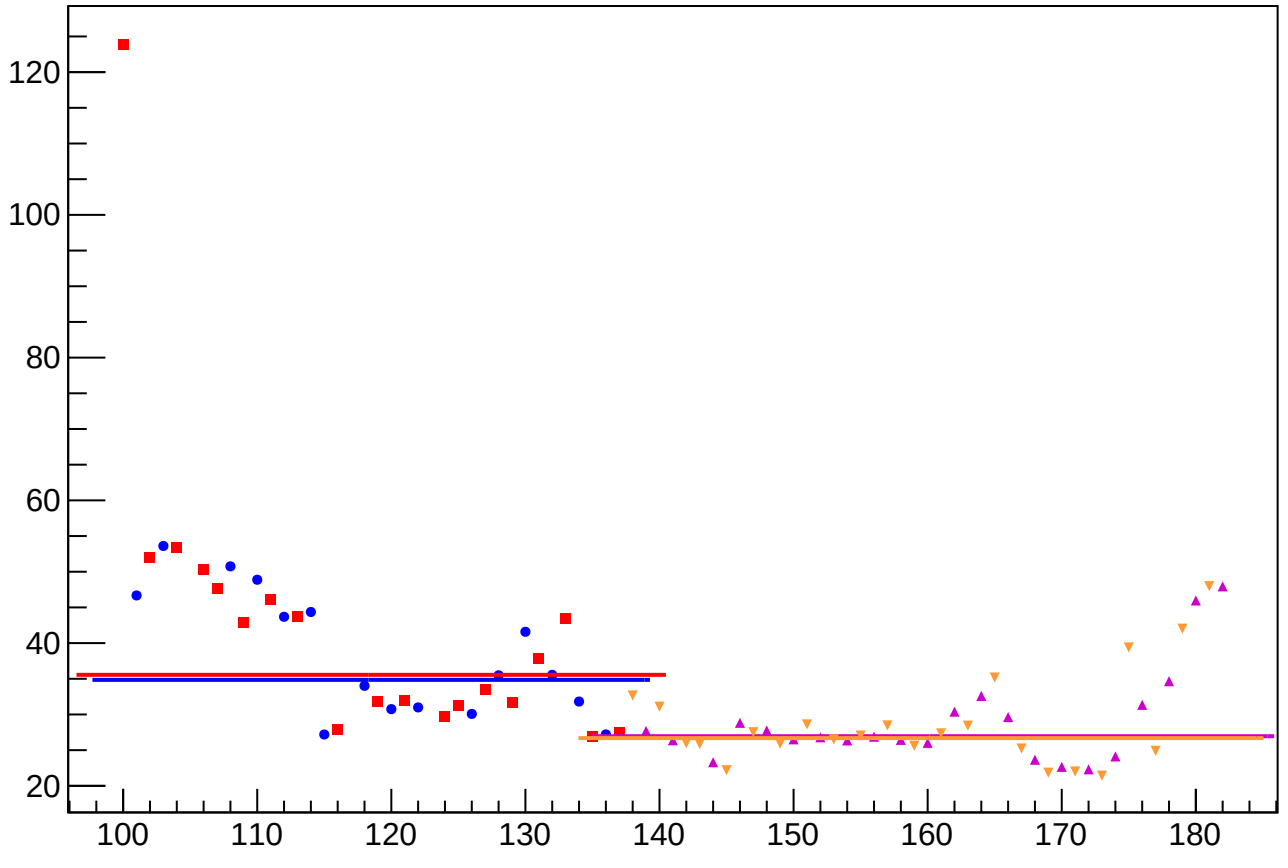
Left: -2.288+/-4.580 χ^2/NDF: 52.6/44

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -10.682+/-5.877 χ^2/NDF:44.2/37

Out: 2.272+/-5.791 χ^2/NDF:49.2/41

All: -4.109+/-4.125 χ^2/NDF: 95.9/79



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.687+/-0.005 χ^2/NDF:1174735.4/22

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.955+/-0.005 χ^2/NDF:991546.2/21

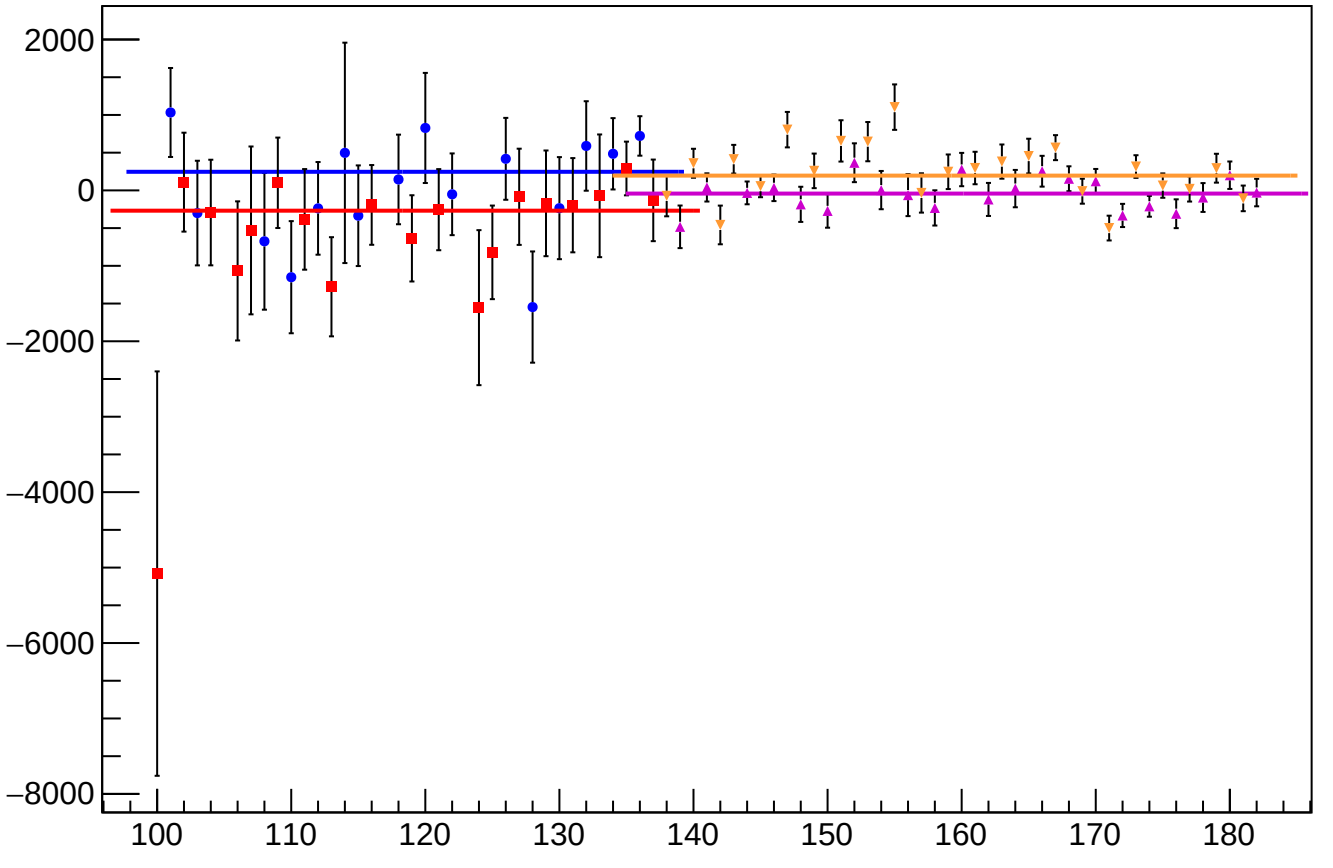
Left: 26.818+/-0.003 χ^2/NDF: 2167993.6/44

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 28.475+/-0.004 χ^2/NDF:2210875.5/37

Out: 28.324+/-0.004 χ^2/NDF:2660511.0/41

All: 28.399+/-0.003 χ^2/NDF: 4872057.0/79



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 195.923+/-41.150 χ^2/NDF:65.4/22

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -42.261+/-41.382 χ^2/NDF:23.2/21

Left: 77.502+/-29.179 χ^2/NDF: 105.3/44

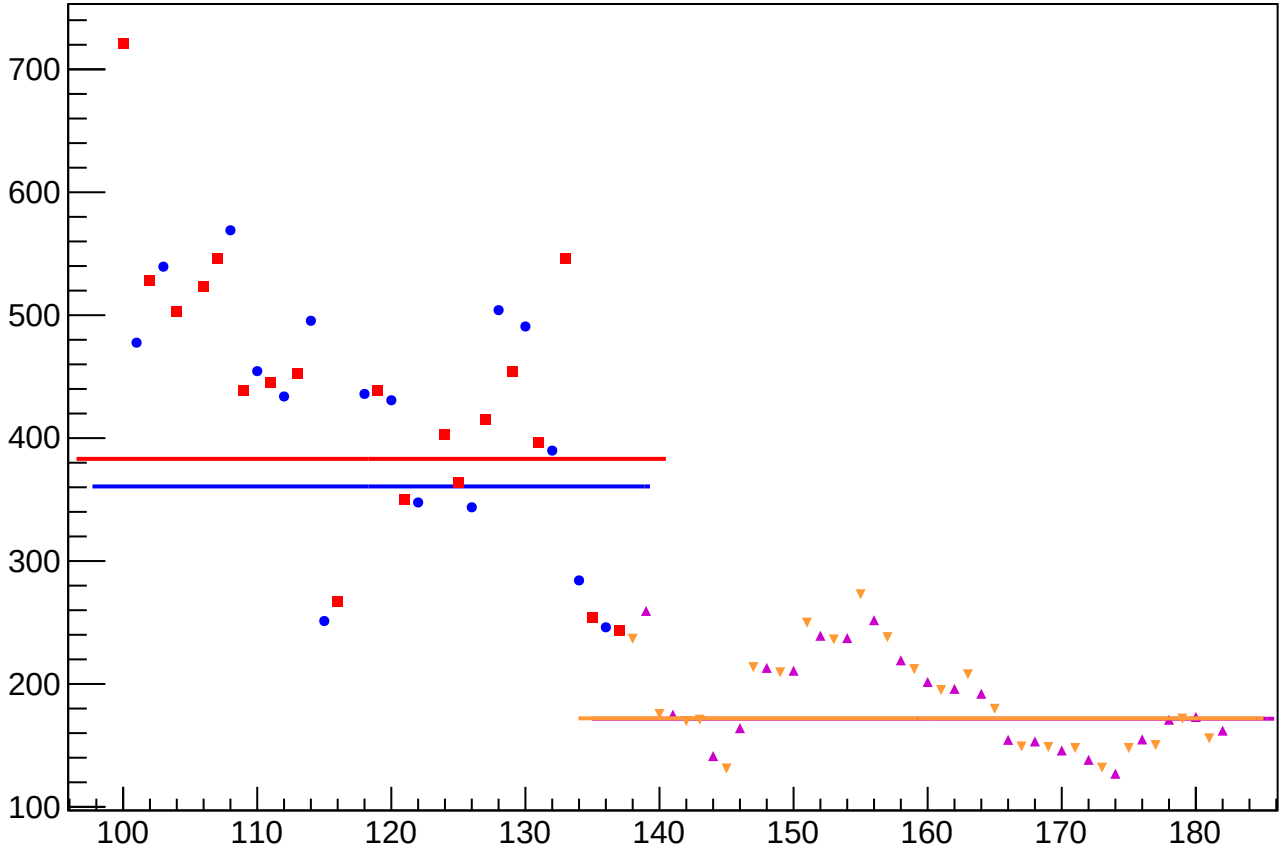
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: -19.142+/-39.691 χ^2/NDF:46.8/37

Out: 161.406+/-39.592 χ^2/NDF:87.5/41

All: 71.357+/-28.031 χ^2/NDF: 144.7/79

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: 172.040+/-0.029 χ^2/NDF:1519485.6/22

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 171.727+/-0.029 χ^2/NDF:1412422.8/21

Left: 171.884+/-0.021 χ^2/NDF: 2931966.2/44

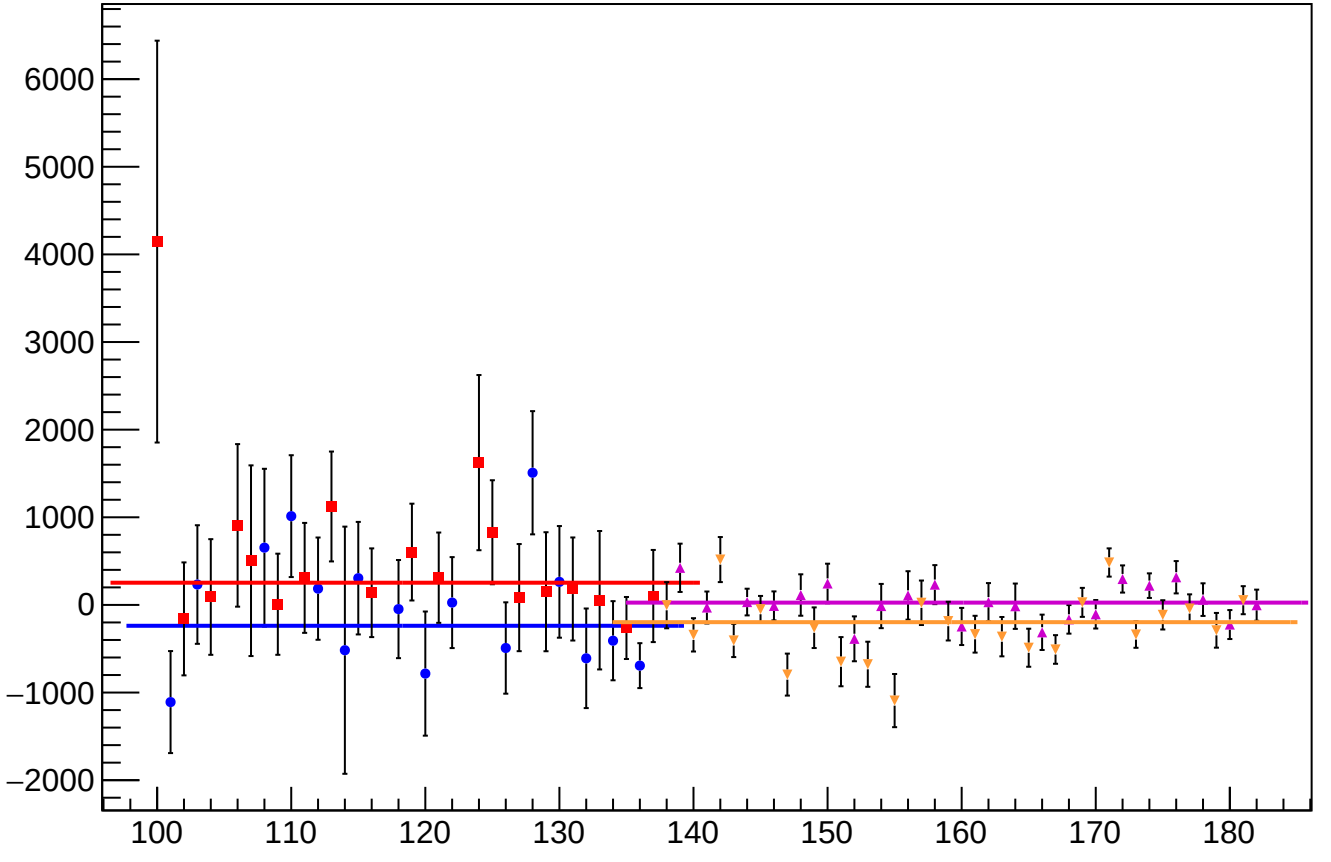
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 186.855+/-0.028 χ^2/NDF:5844000.7/37

Out: 187.715+/-0.028 χ^2/NDF:6390638.6/41

All: 187.286+/-0.020 χ^2/NDF: 12235109.0/79

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -196.705+/-40.899 χ^2/NDF:63.7/22

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 26.180+/-40.760 χ^2/NDF:23.1/21

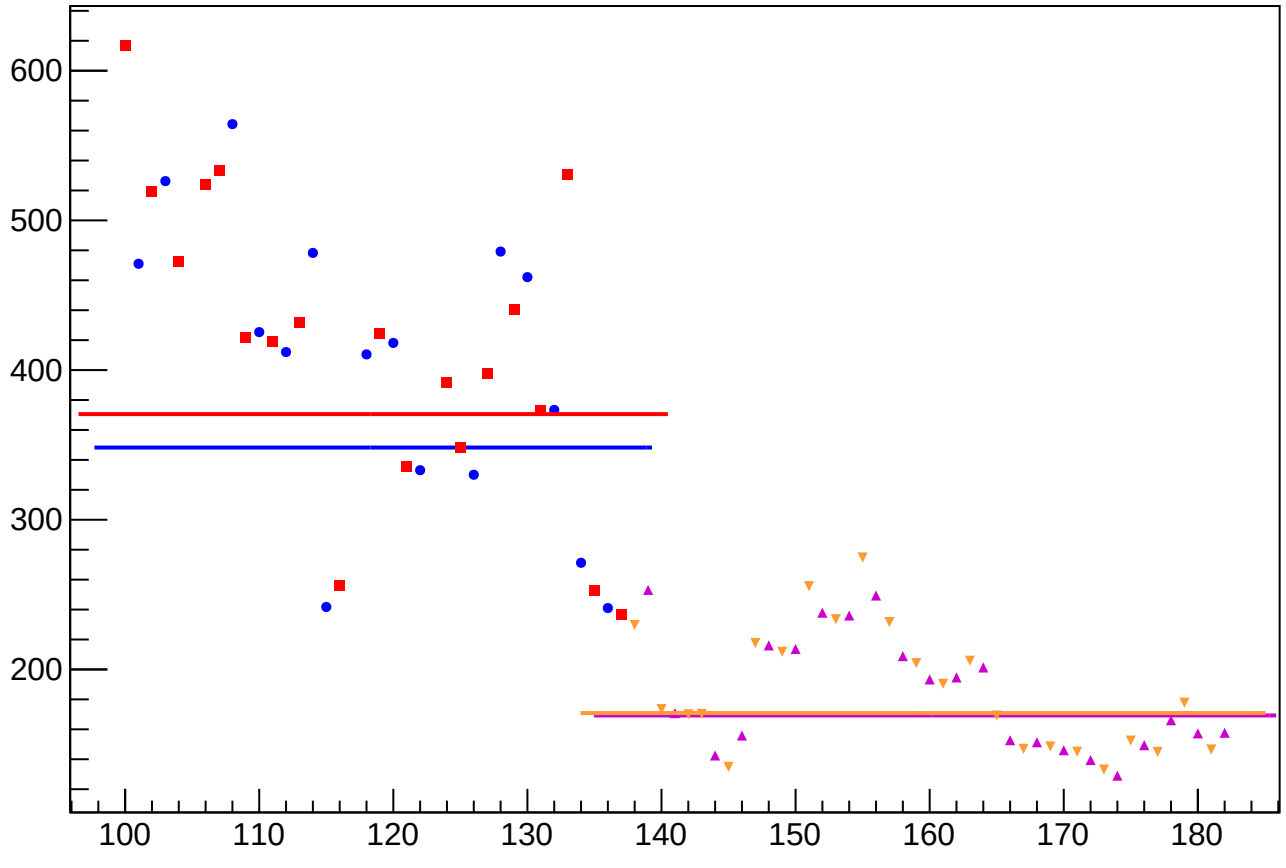
Left: -84.882+/-28.871 χ^2/NDF: 101.7/44

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: 4.210+/-39.029 χ^2/NDF:46.6/37

Out: -161.500+/-39.267 χ^2/NDF:84.9/41

All: -78.139+/-27.681 χ^2/NDF: 140.4/79



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 170.880+/-0.029 χ^2/NDF:1492839.7/22

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 169.260+/-0.029 χ^2/NDF:1374078.6/21

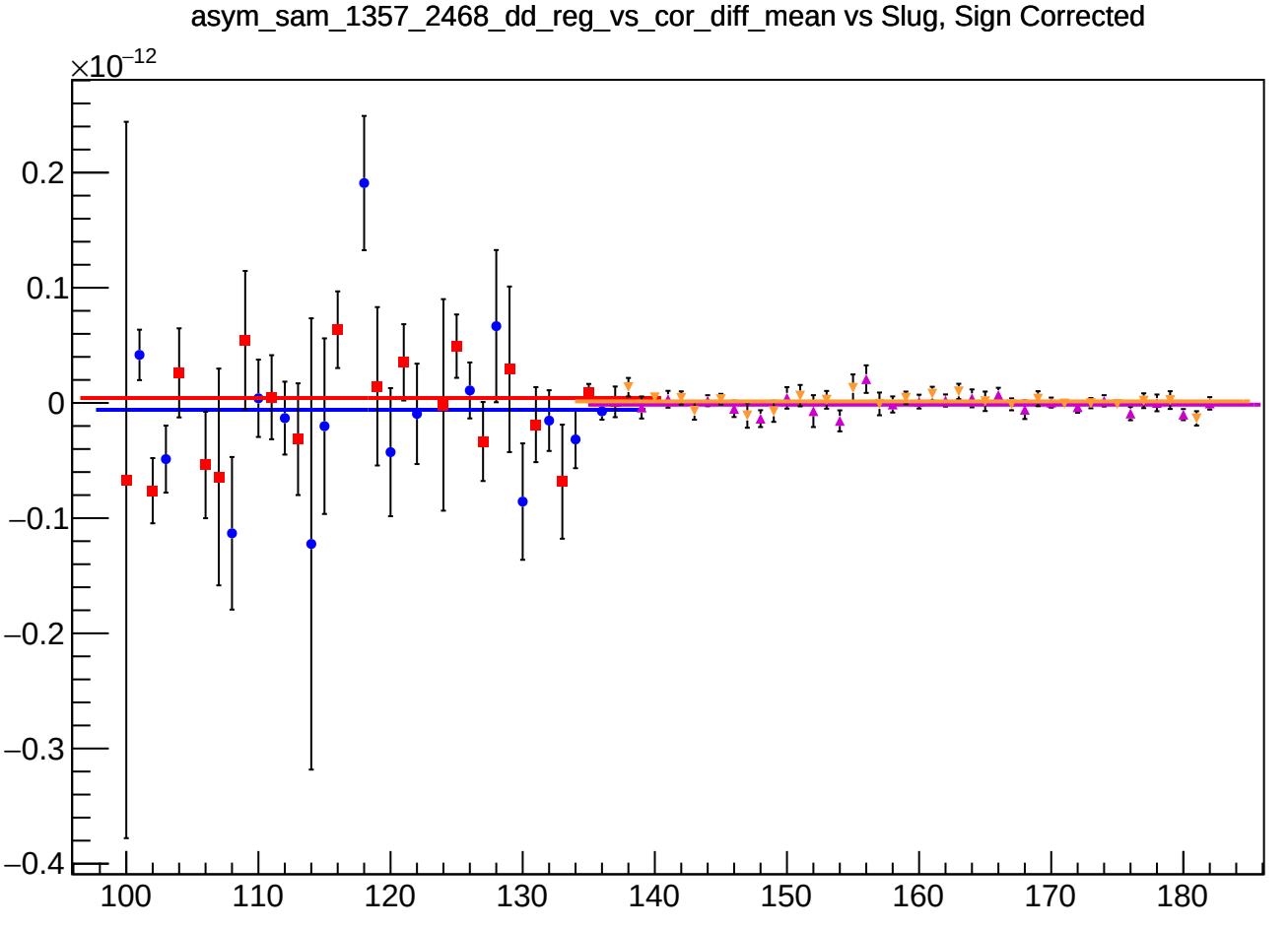
Left: 170.067+/-0.020 χ^2/NDF: 2868492.7/44

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 184.143+/-0.028 χ^2/NDF:5637829.6/37

Out: 186.498+/-0.028 χ^2/NDF:6140009.8/41

All: 185.313+/-0.020 χ^2/NDF: 11781459.3/79



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:19.5/21

Left: 0.000+/-0.000 χ^2/NDF: 40.5/44

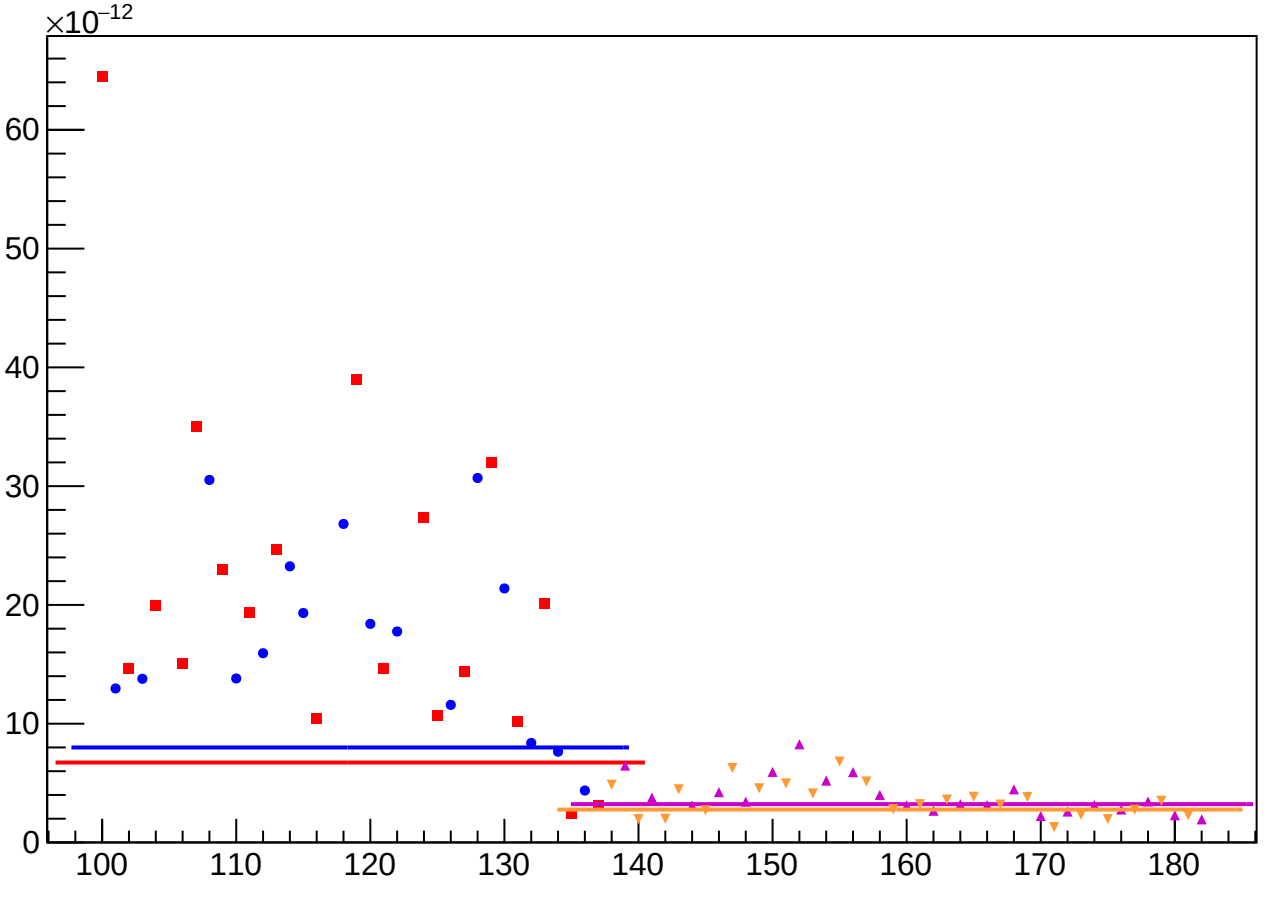
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:47.3/37

Out: 0.000+/-0.000 χ^2/NDF:41.7/41

All: 0.000+/-0.000 χ^2/NDF: 92.4/79

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1850314.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1350225.8/21

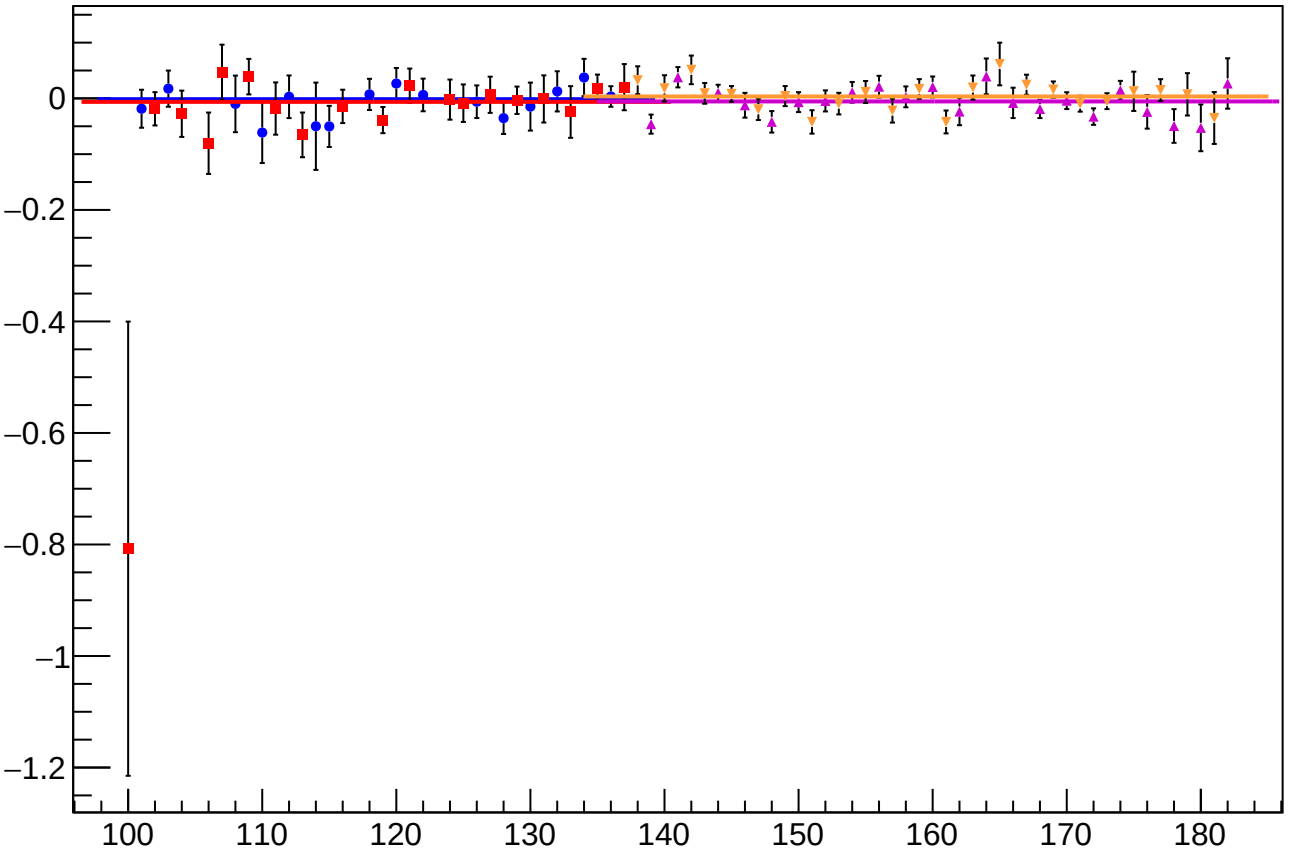
Left: 0.000+/-0.000 χ^2/NDF: 3328568.7/44

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:4632610.6/37

Out: 0.000+/-0.000 χ^2/NDF:6200360.8/41

All: 0.000+/-0.000 χ^2/NDF: 11018030.5/79



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:26.3/22

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.004 χ^2/NDF:33.2/21

Left: -0.001+/-0.003 χ^2/NDF: 61.8/44

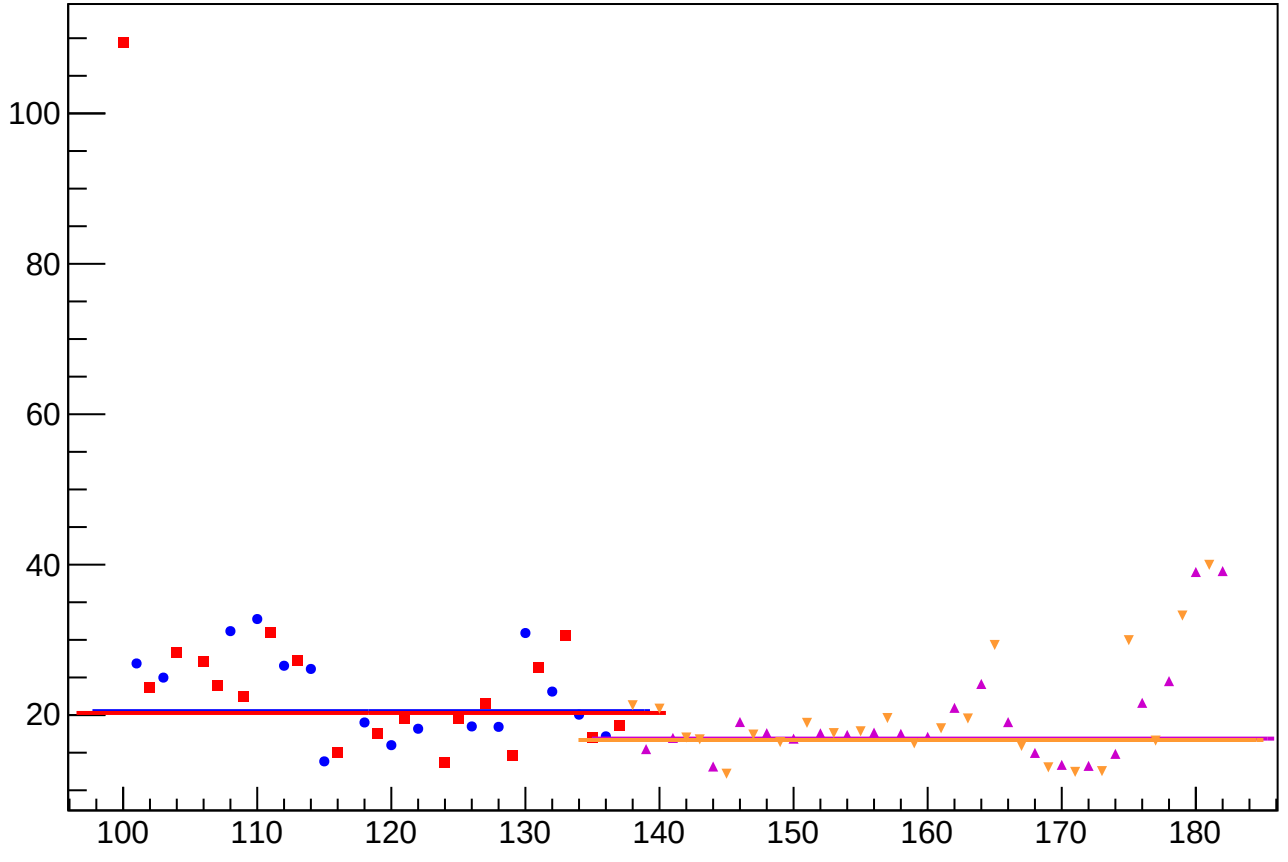
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.7/37

Out: 0.001+/-0.004 χ^2/NDF:43.7/41

All: -0.002+/-0.003 χ^2/NDF: 86.7/79

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: 16.686+/-0.003 χ^2/NDF:2311212.4/22

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.871+/-0.003 χ^2/NDF:1854609.2/21

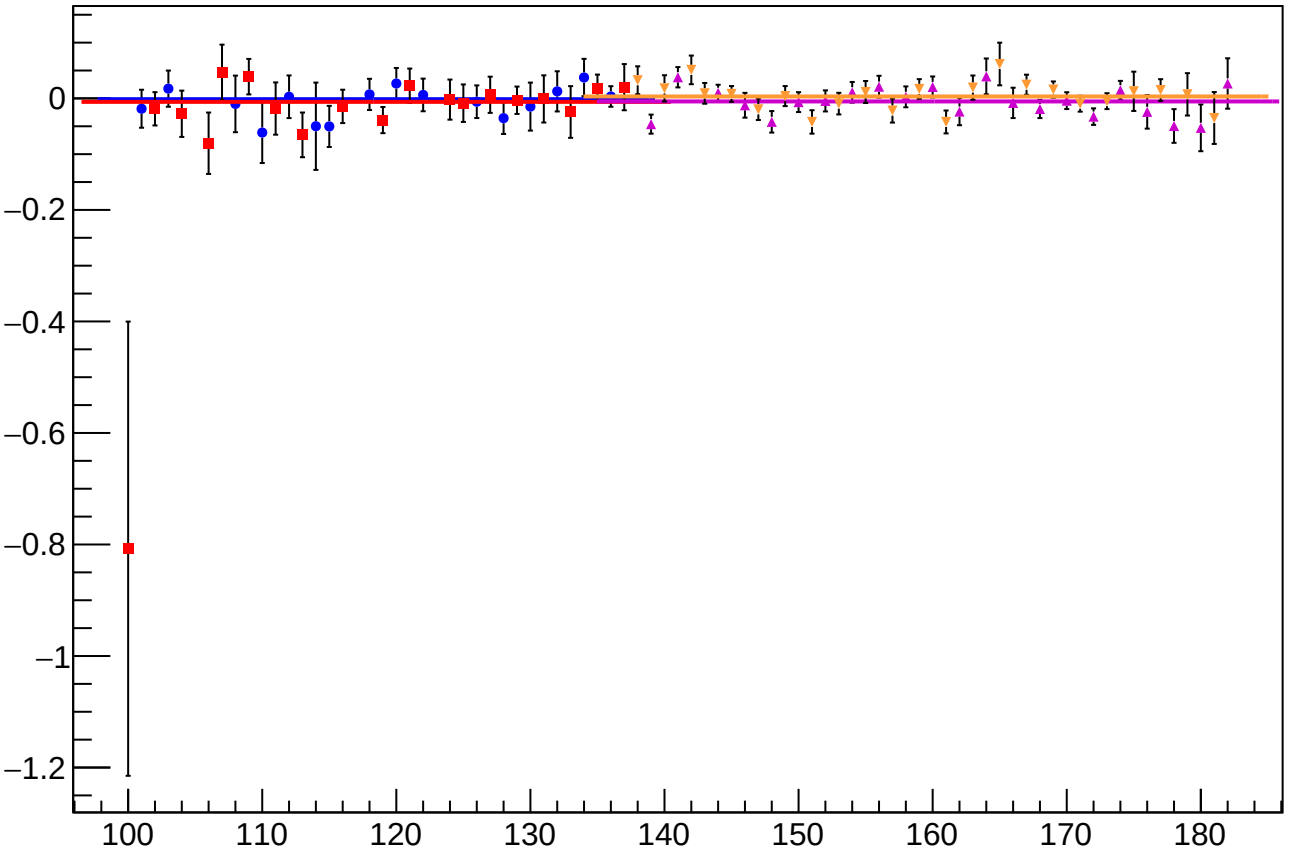
Left: 16.777+/-0.002 χ^2/NDF: 4167785.8/44

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.652+/-0.003 χ^2/NDF:2883135.7/37

Out: 17.458+/-0.003 χ^2/NDF:3502236.9/41

All: 17.553+/-0.002 χ^2/NDF: 6388137.4/79



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:26.3/22

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.004 χ^2/NDF:33.2/21

Left: -0.001+/-0.003 χ^2/NDF: 61.8/44

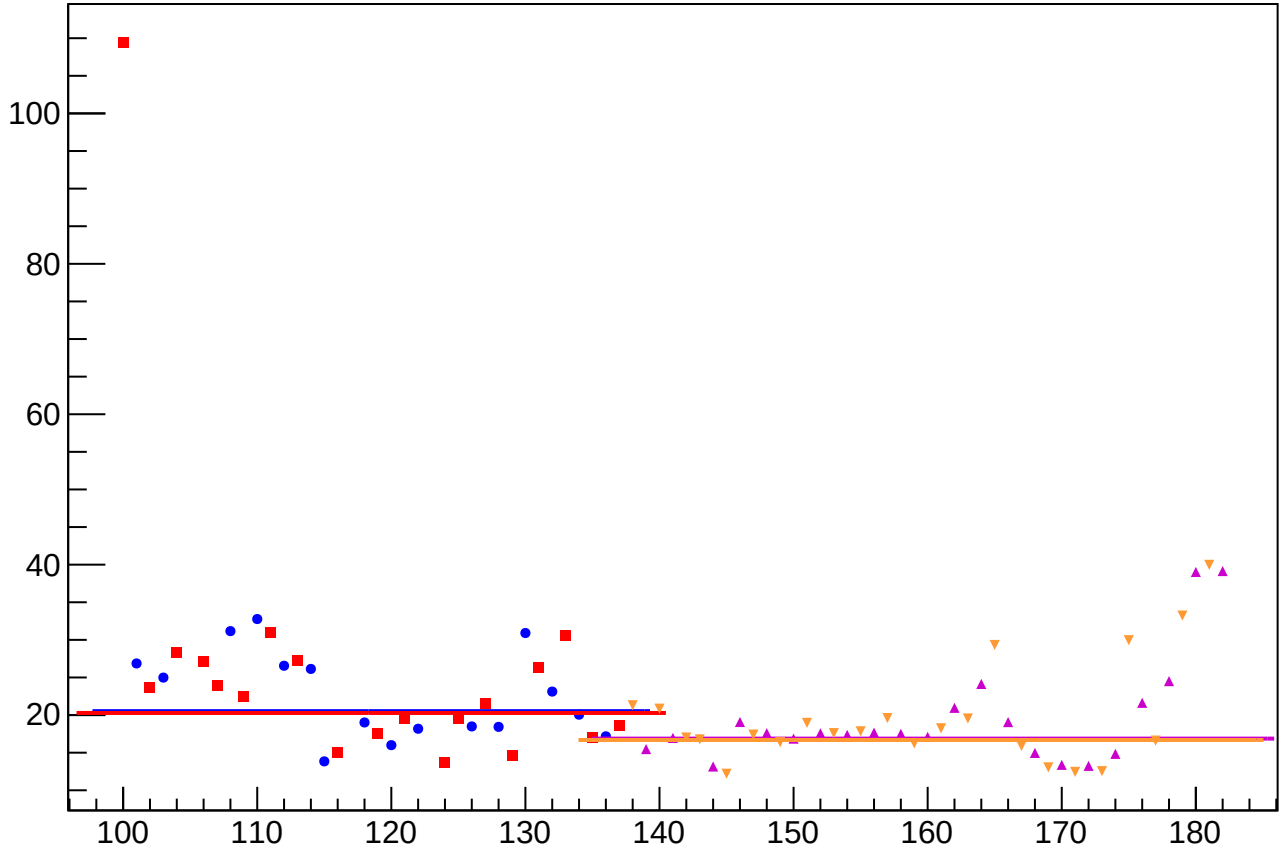
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.7/37

Out: 0.001+/-0.004 χ^2/NDF:43.7/41

All: -0.002+/-0.003 χ^2/NDF: 86.7/79

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: 16.686+/-0.003 χ^2/NDF:2311212.4/22

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.871+/-0.003 χ^2/NDF:1854609.2/21

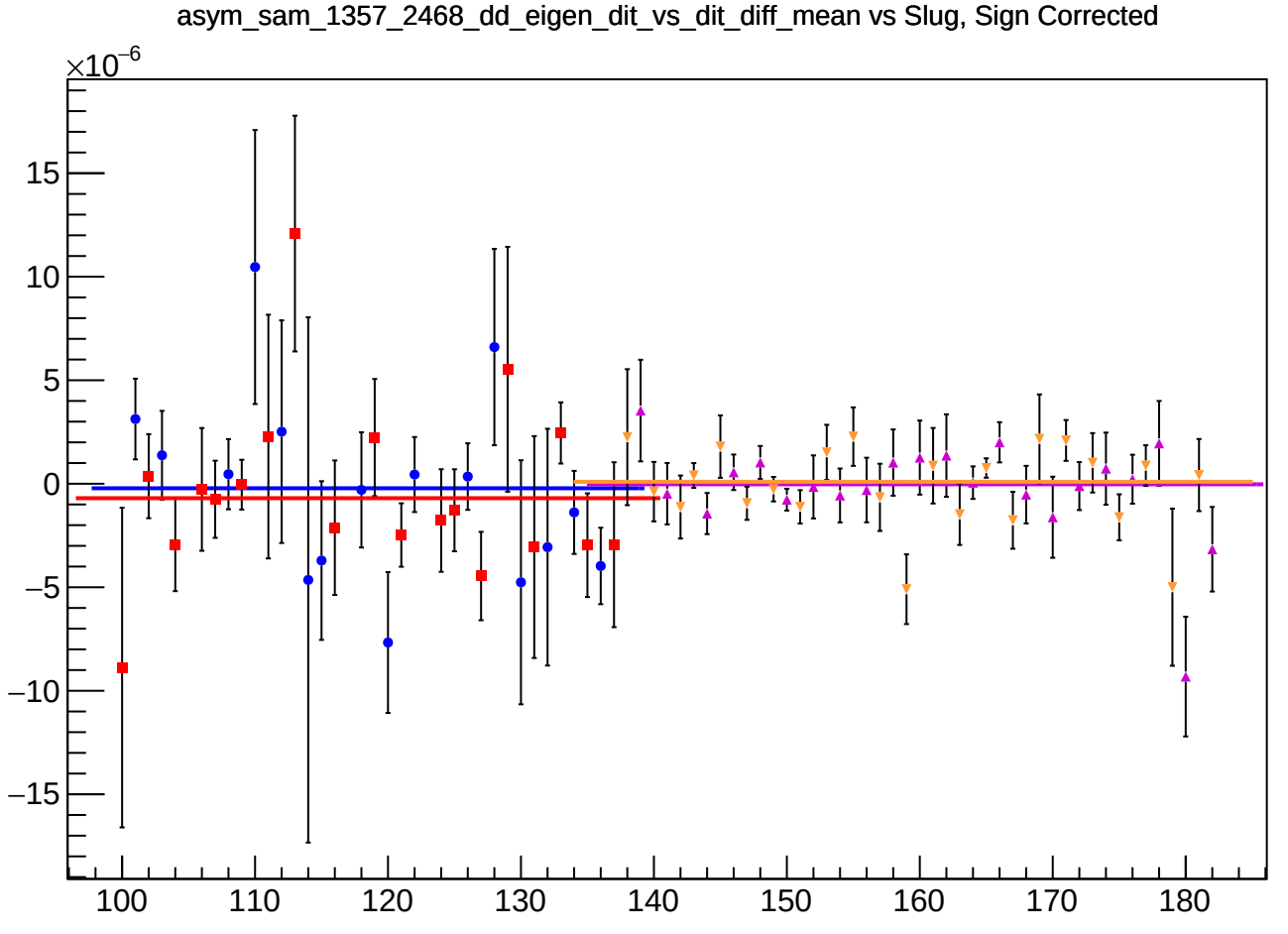
Left: 16.777+/-0.002 χ^2/NDF: 4167785.8/44

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.652+/-0.003 χ^2/NDF:2883135.7/37

Out: 17.458+/-0.003 χ^2/NDF:3502236.9/41

All: 17.553+/-0.002 χ^2/NDF: 6388137.4/79



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:29.1/21

Left: 0.000+/-0.000 χ^2/NDF: 64.9/44

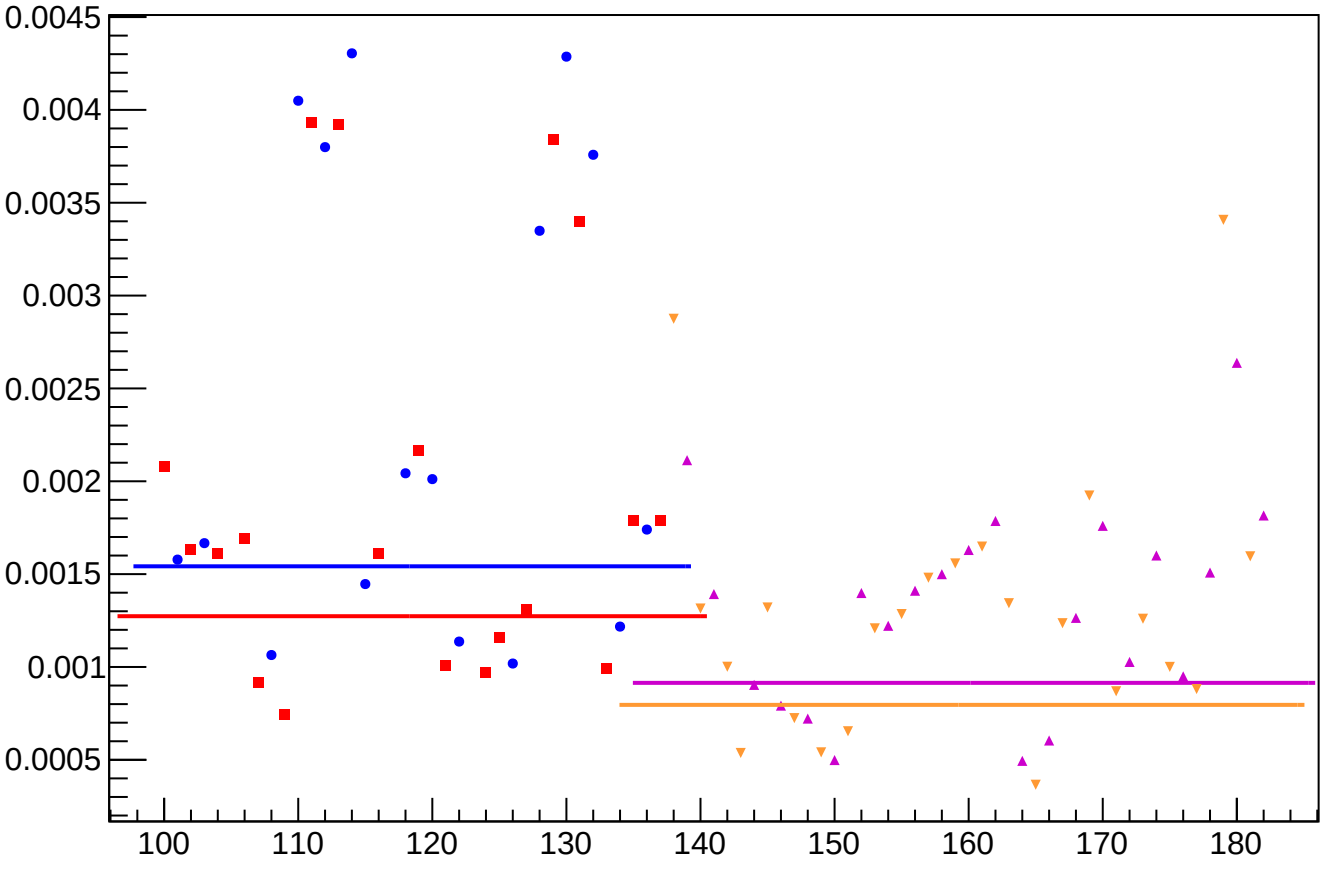
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:49.1/37

Out: -0.000+/-0.000 χ^2/NDF:58.7/41

All: -0.000+/-0.000 χ^2/NDF: 107.7/79

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:8197016.8/22

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:6444805.8/21

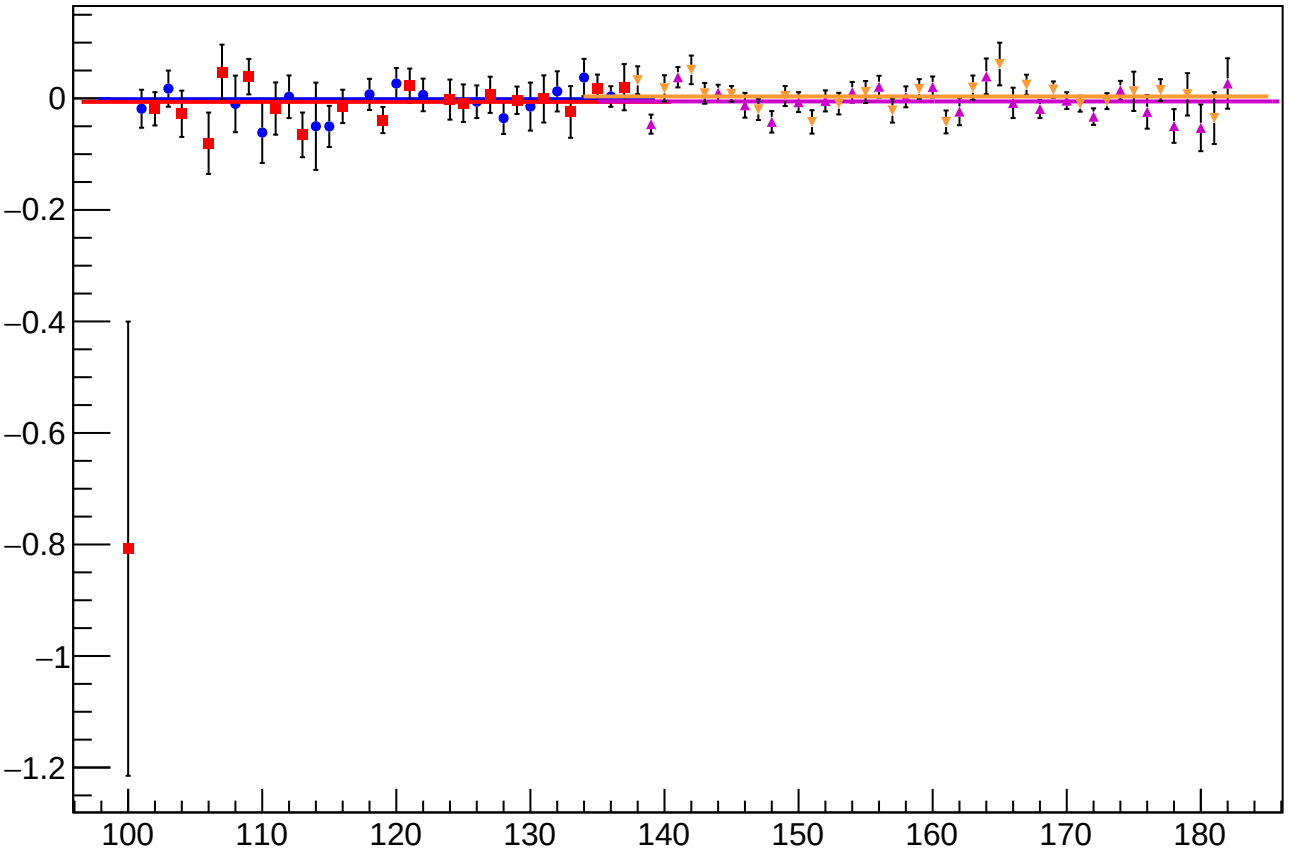
Left: 0.001+/-0.000 χ^2/NDF: 14905005.2/44

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:10578806.9/37

Out: 0.001+/-0.000 χ^2/NDF:12286969.1/41

All: 0.001+/-0.000 χ^2/NDF: 23254194.3/79



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:26.3/22

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.004 χ^2/NDF:33.2/21

Left: -0.001+/-0.003 χ^2/NDF: 61.8/44

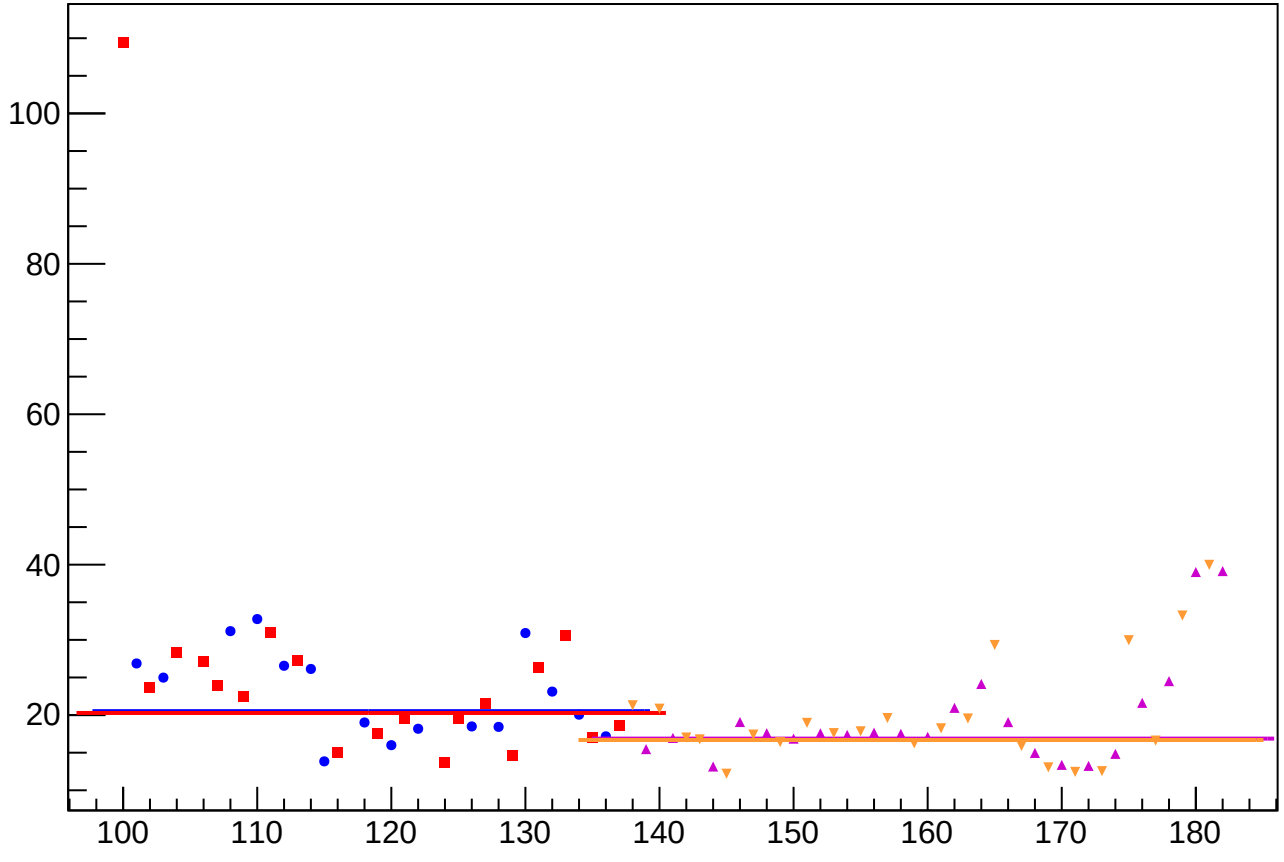
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.7/37

Out: 0.001+/-0.004 χ^2/NDF:43.7/41

All: -0.002+/-0.003 χ^2/NDF: 86.7/79

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: 16.687+/-0.003 χ^2/NDF:2311201.2/22

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.871+/-0.003 χ^2/NDF:1854598.2/21

Left: 16.777+/-0.002 χ^2/NDF: 4167762.3/44

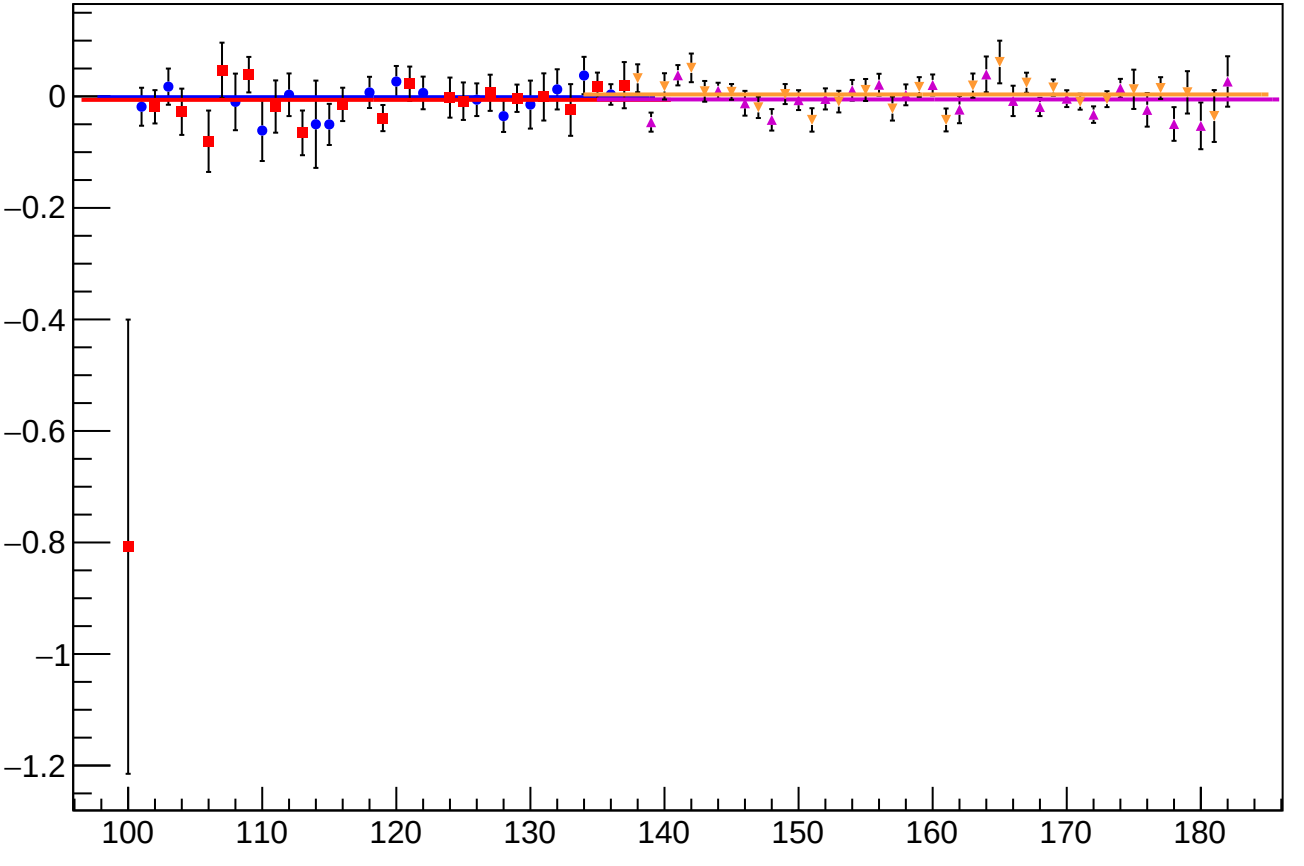
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.652+/-0.003 χ^2/NDF:2882894.0/37

Out: 17.458+/-0.003 χ^2/NDF:3502086.2/41

All: 17.553+/-0.002 χ^2/NDF: 6387744.2/79

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:26.3/22

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.004 χ^2/NDF:33.2/21

Left: -0.001+/-0.003 χ^2/NDF: 61.8/44

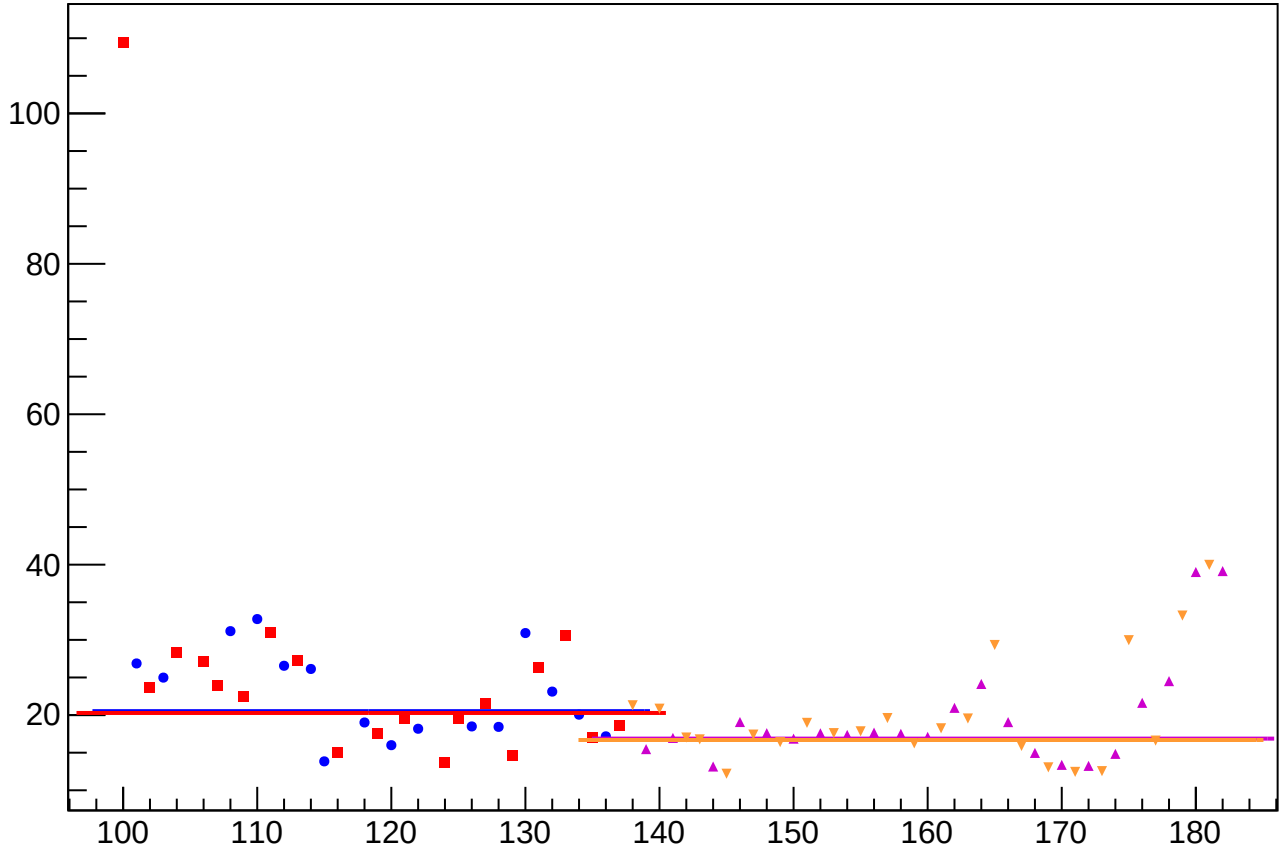
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.7/37

Out: 0.001+/-0.004 χ^2/NDF:43.7/41

All: -0.002+/-0.003 χ^2/NDF: 86.7/79

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: 16.687+/-0.003 χ^2/NDF:2311201.2/22

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.871+/-0.003 χ^2/NDF:1854598.2/21

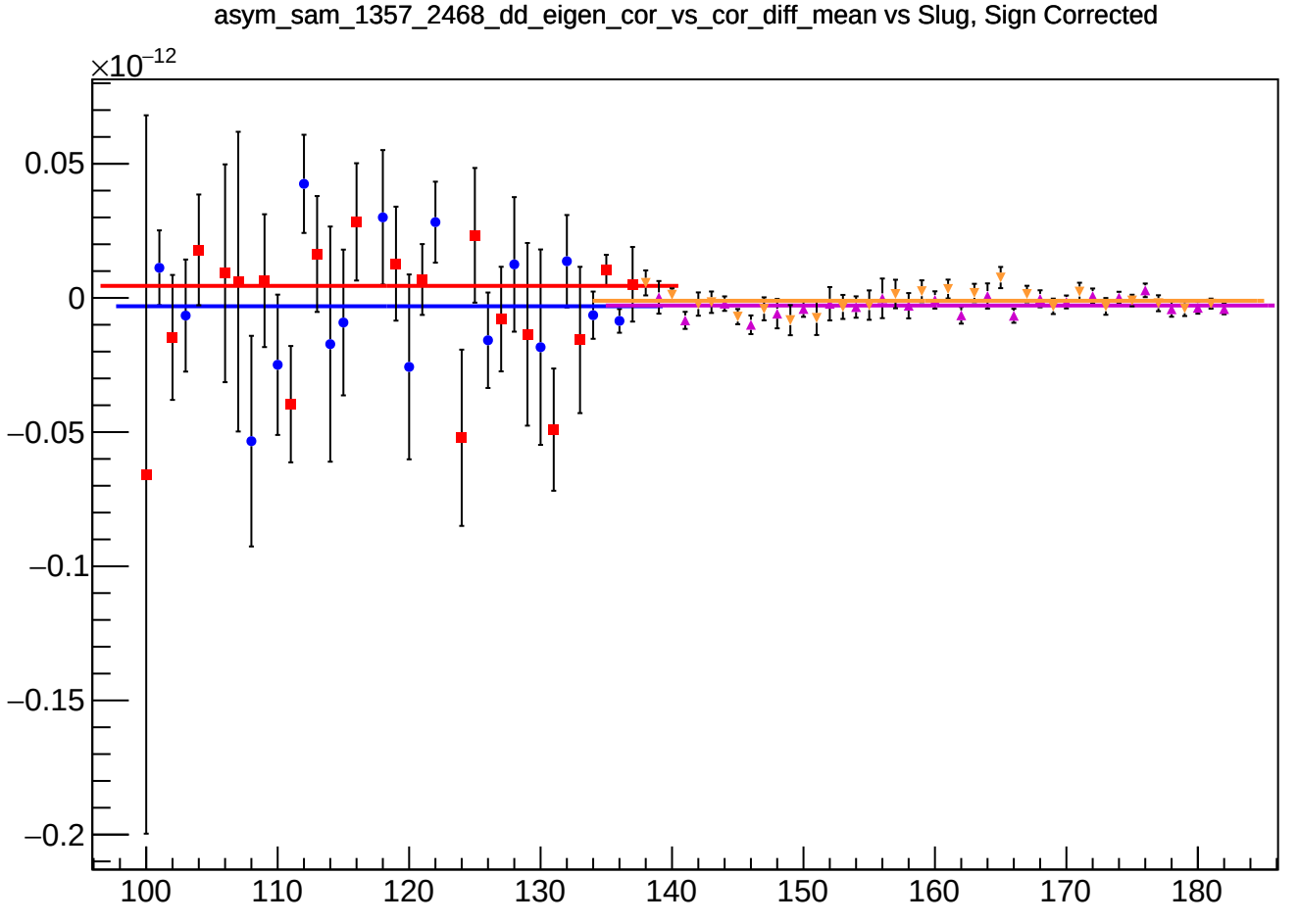
Left: 16.777+/-0.002 χ^2/NDF: 4167762.3/44

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.652+/-0.003 χ^2/NDF:2882894.0/37

Out: 17.458+/-0.003 χ^2/NDF:3502086.2/41

All: 17.553+/-0.002 χ^2/NDF: 6387744.2/79



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:22.9/21

Left: -0.000+/-0.000 χ^2/NDF: 49.5/44

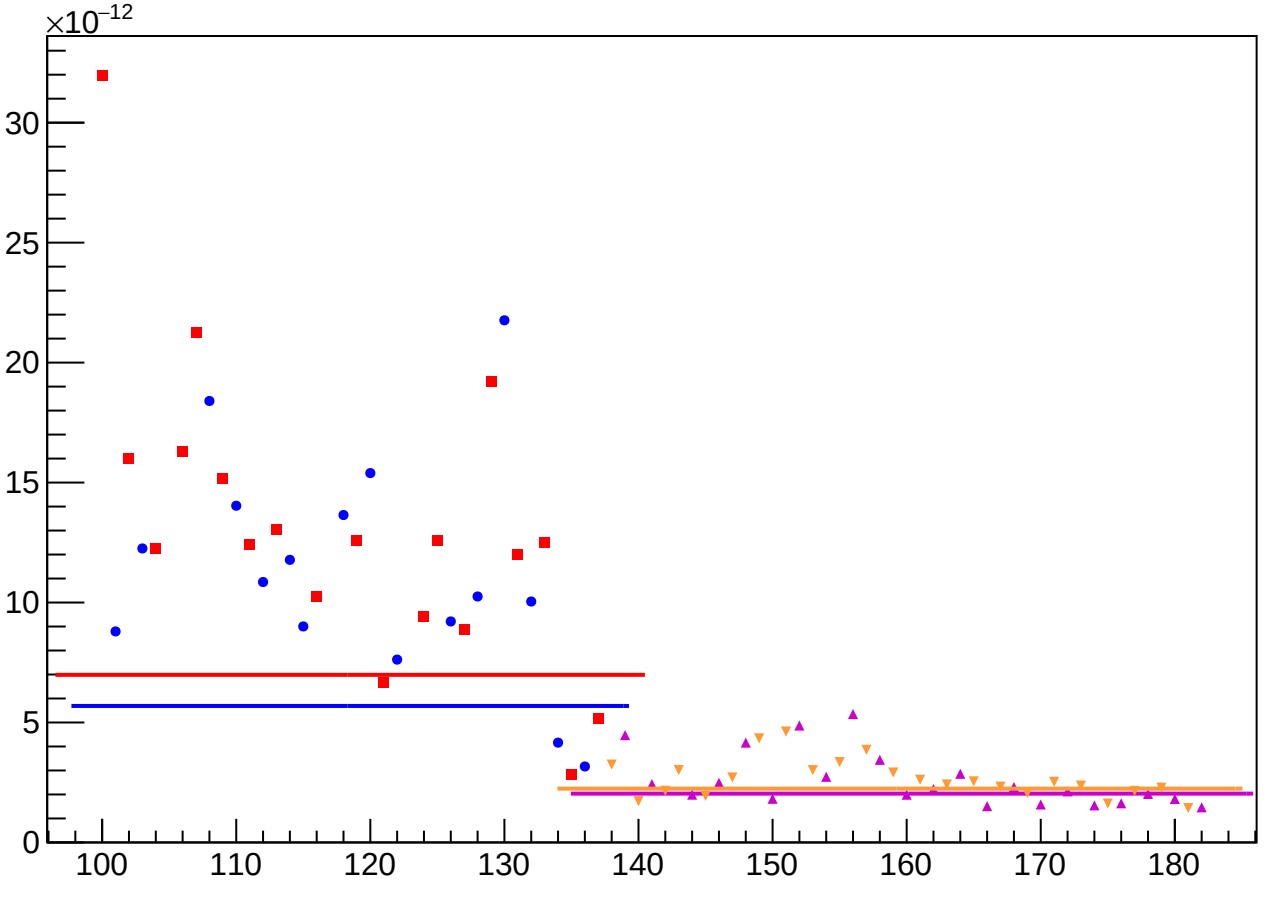
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:42.9/37

Out: -0.000+/-0.000 χ^2/NDF:43.6/41

All: -0.000+/-0.000 χ^2/NDF: 91.0/79

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1858910.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2340391.3/21

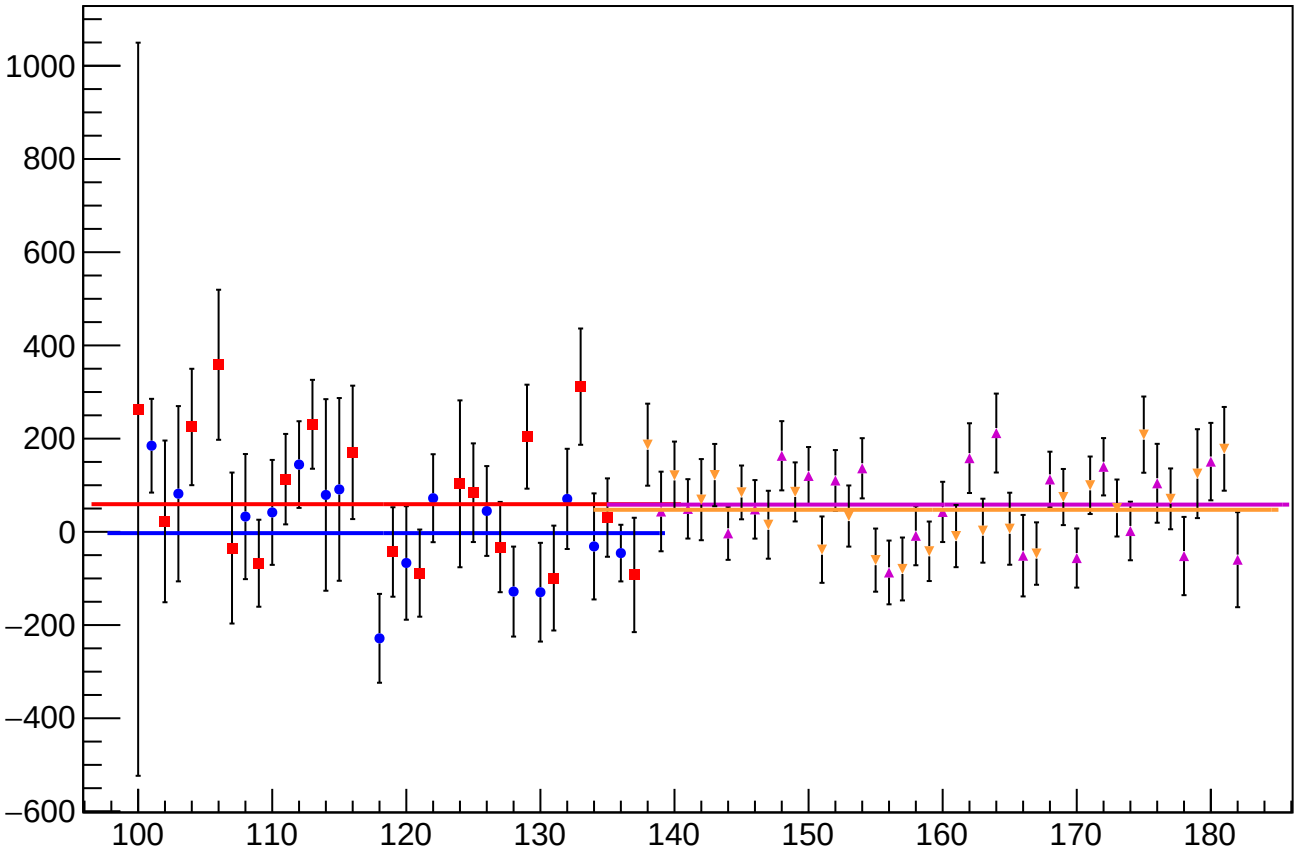
Left: 0.000+/-0.000 χ^2/NDF: 4297102.0/44

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:7468947.5/37

Out: 0.000+/-0.000 χ^2/NDF:7887177.4/41

All: 0.000+/-0.000 χ^2/NDF: 15462705.0/79



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 47.298+/-14.469 χ^2/NDF:26.5/22

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 58.450+/-14.768 χ^2/NDF:29.9/21

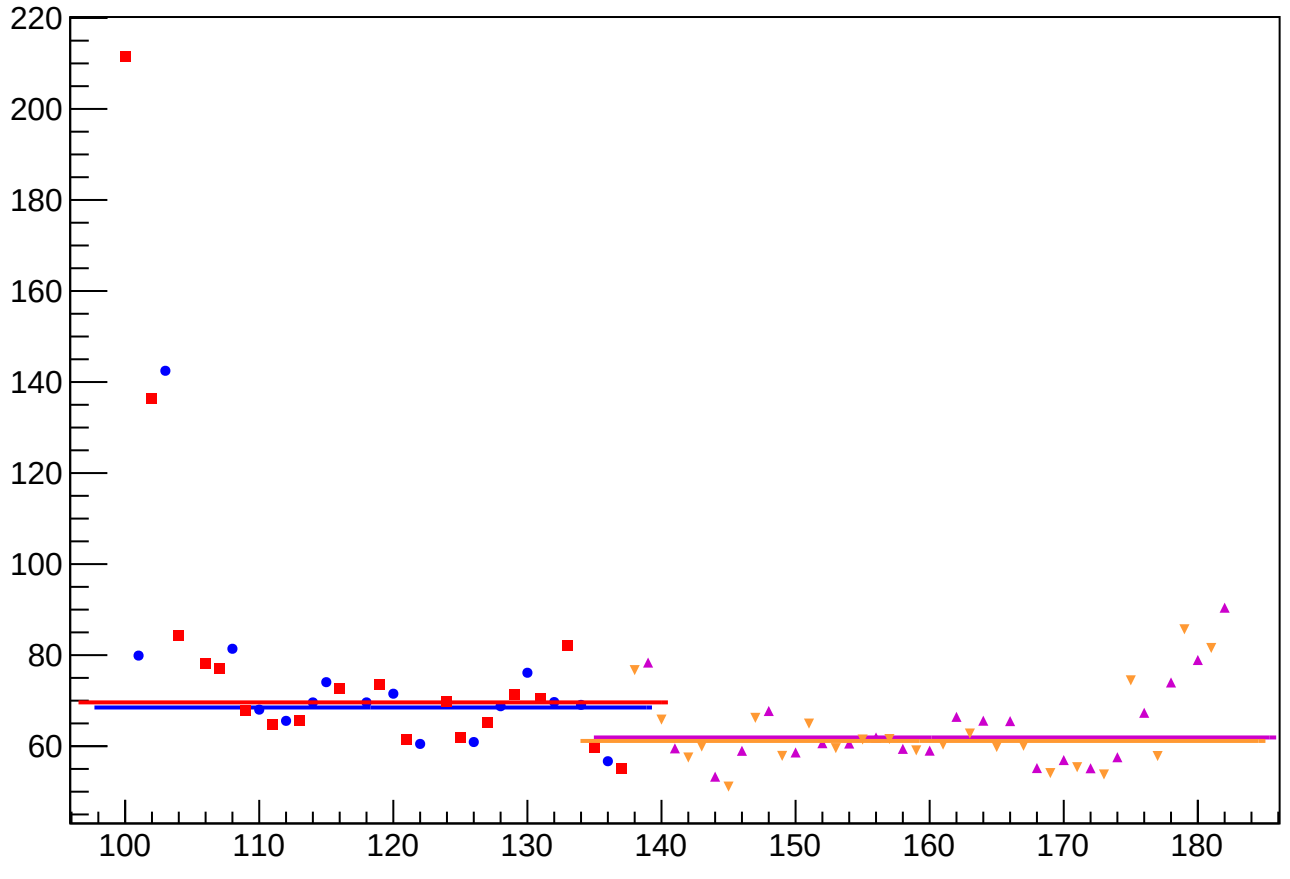
Left: 52.760+/-10.335 χ^2/NDF: 56.7/44

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 43.701+/-12.867 χ^2/NDF:51.7/37

Out: 50.085+/-12.686 χ^2/NDF:52.3/41

All: 46.938+/-9.034 χ^2/NDF: 104.2/79



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.150+/-0.010 χ^2/NDF:530053.8/22

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 61.912+/-0.010 χ^2/NDF:529826.7/21

Left: 61.523+/-0.007 χ^2/NDF: 1062602.3/44

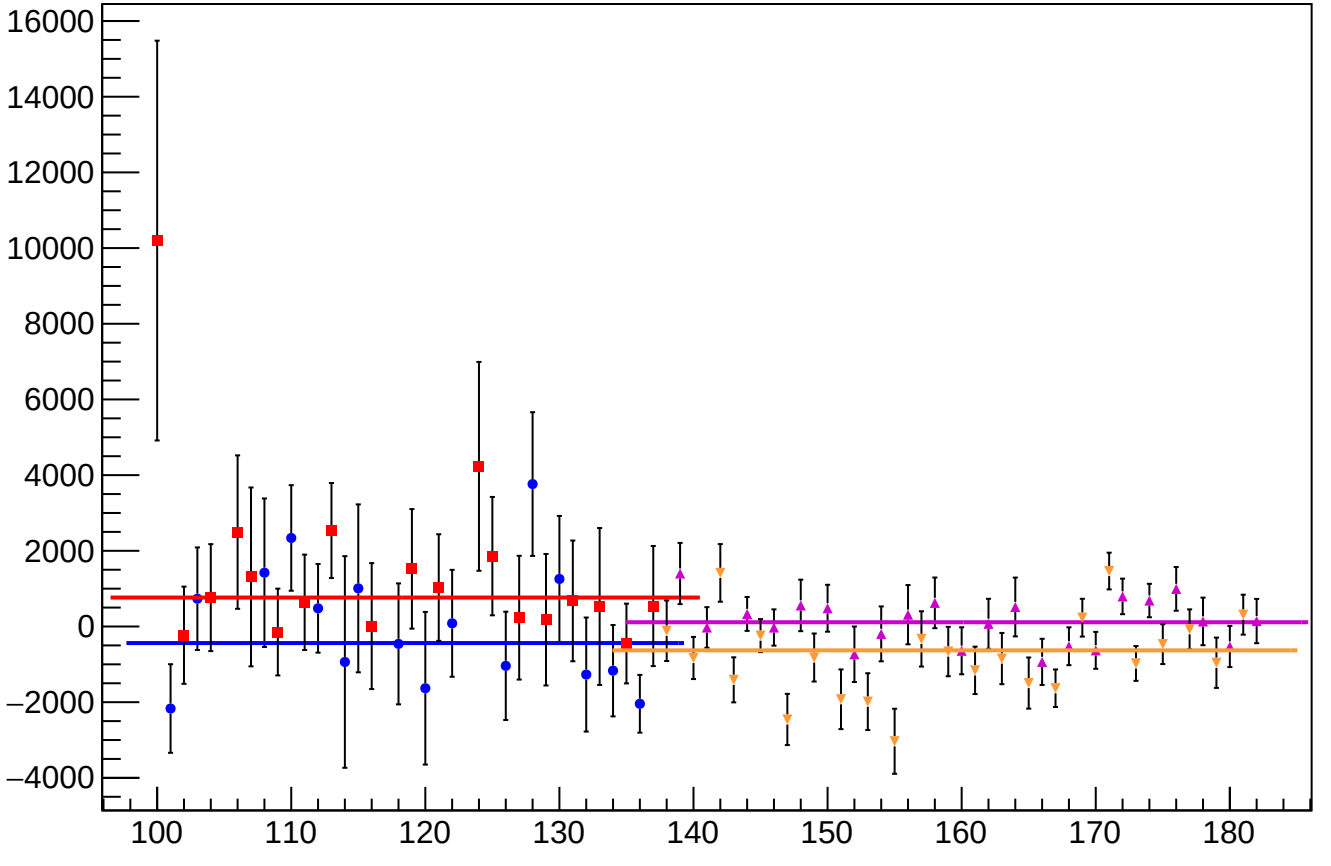
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 63.499+/-0.009 χ^2/NDF:1097530.9/37

Out: 63.108+/-0.009 χ^2/NDF:1208936.5/41

All: 63.301+/-0.006 χ^2/NDF: 2307404.4/79

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: -629.893+/-123.783 χ^2/NDF:65.0/22

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 112.799+/-123.436 χ^2/NDF:22.0/21

Left: -257.504+/-87.405 χ^2/NDF: 105.0/44

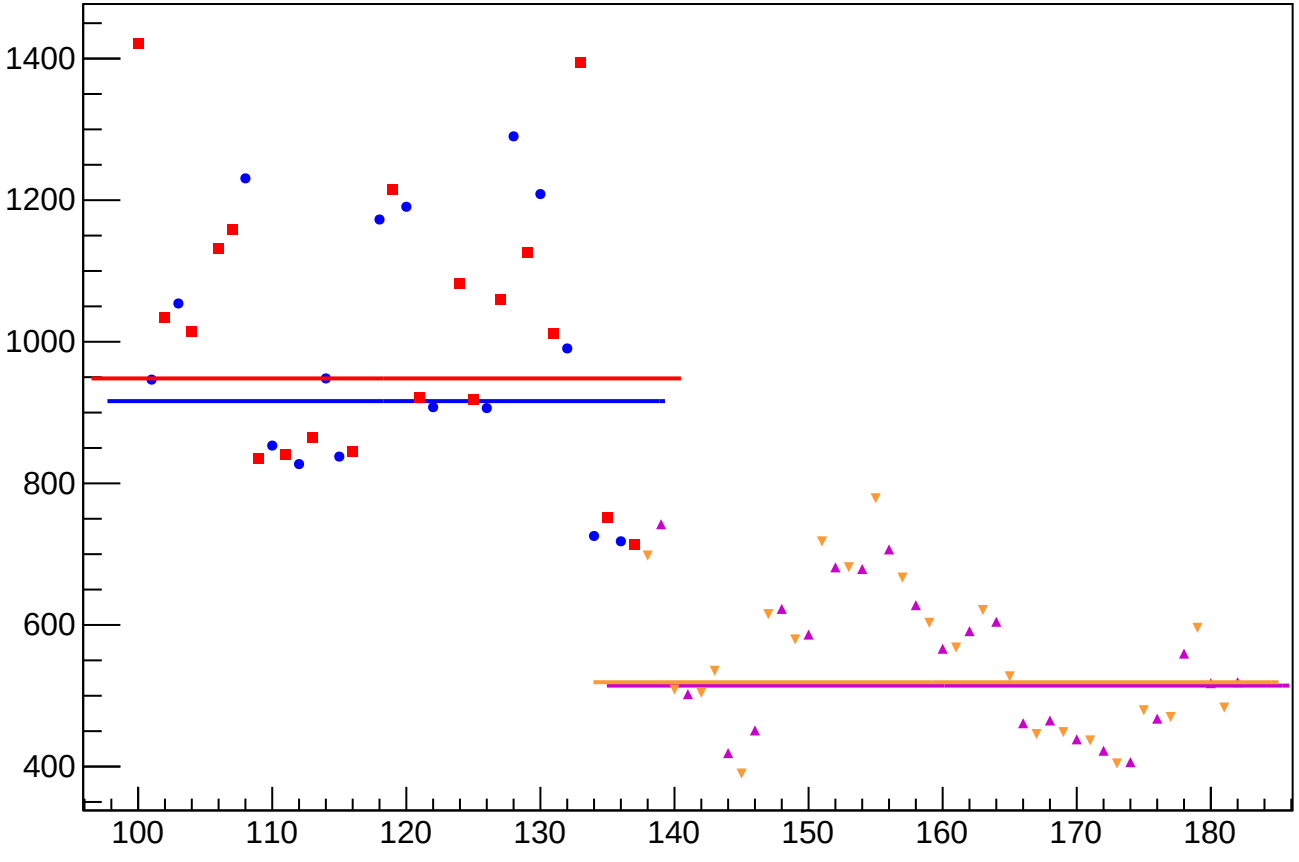
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 51.583+/-116.367 χ^2/NDF:44.8/37

Out: -477.158+/-116.811 χ^2/NDF:90.2/41

All: -211.780+/-82.441 χ^2/NDF: 145.2/79

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: 519.086+/-0.088 χ^2/NDF:1242810.3/22

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 514.375+/-0.087 χ^2/NDF:1119012.6/21

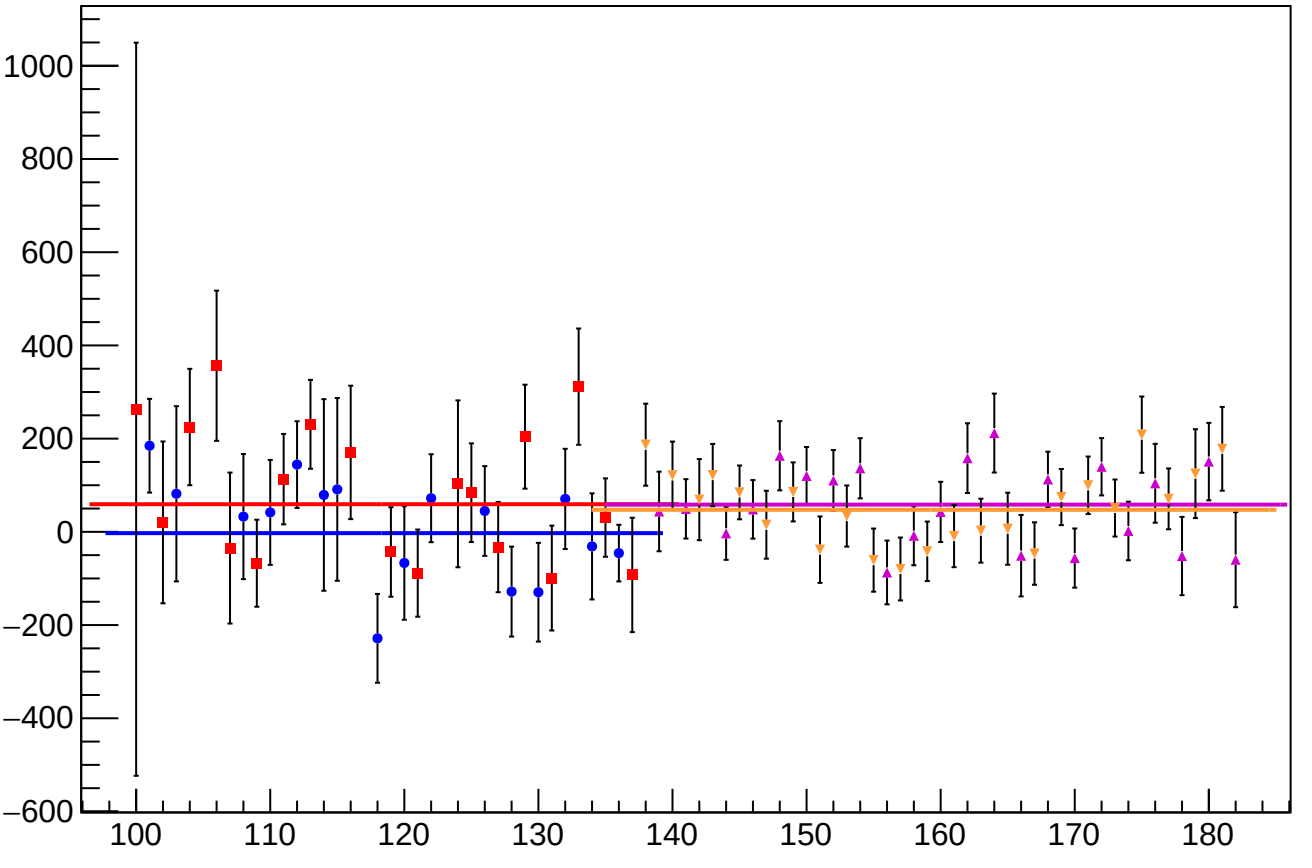
Left: 516.724+/-0.062 χ^2/NDF: 2363275.9/44

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 559.075+/-0.082 χ^2/NDF:3985728.0/37

Out: 566.065+/-0.083 χ^2/NDF:4289587.5/41

All: 562.557+/-0.058 χ^2/NDF: 8278909.6/79



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 47.301+/-14.469 χ^2/NDF:26.5/22

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 58.450+/-14.768 χ^2/NDF:29.9/21

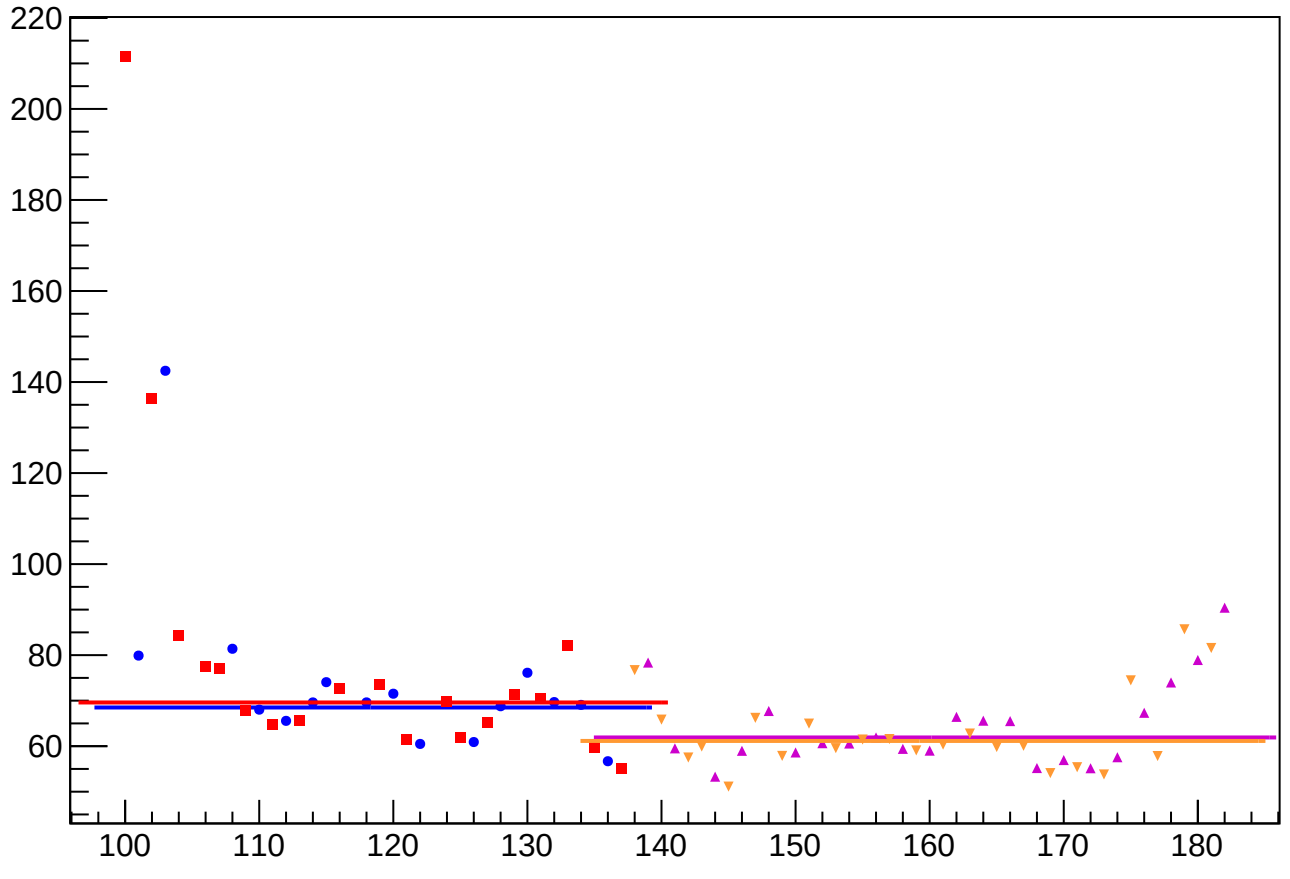
Left: 52.762+/-10.335 χ^2/NDF: 56.7/44

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 43.699+/-12.867 χ^2/NDF:51.7/37

Out: 50.059+/-12.686 χ^2/NDF:52.3/41

All: 46.924+/-9.034 χ^2/NDF: 104.1/79



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.150+/-0.010 χ^2/NDF:530053.8/22

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.912+/-0.010 χ^2/NDF:529826.8/21

Left: 61.523+/-0.007 χ^2/NDF: 1062602.3/44

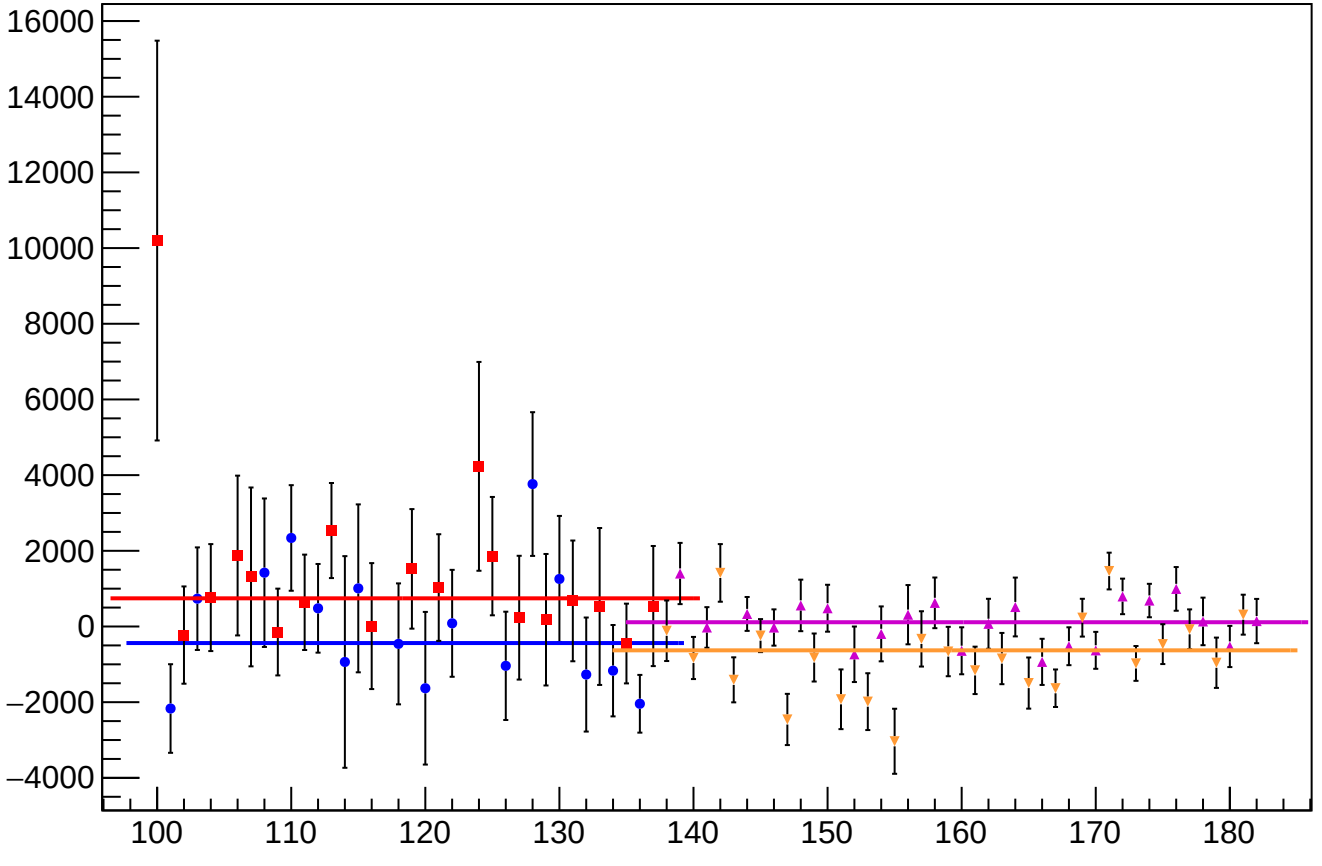
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.499+/-0.009 χ^2/NDF:1097533.9/37

Out: 63.104+/-0.009 χ^2/NDF:1207592.0/41

All: 63.299+/-0.006 χ^2/NDF: 2306084.9/79

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: -629.889+/-123.783 χ^2/NDF:65.0/22

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 112.799+/-123.436 χ^2/NDF:22.0/21

Left: -257.502+/-87.405 χ^2/NDF: 105.0/44

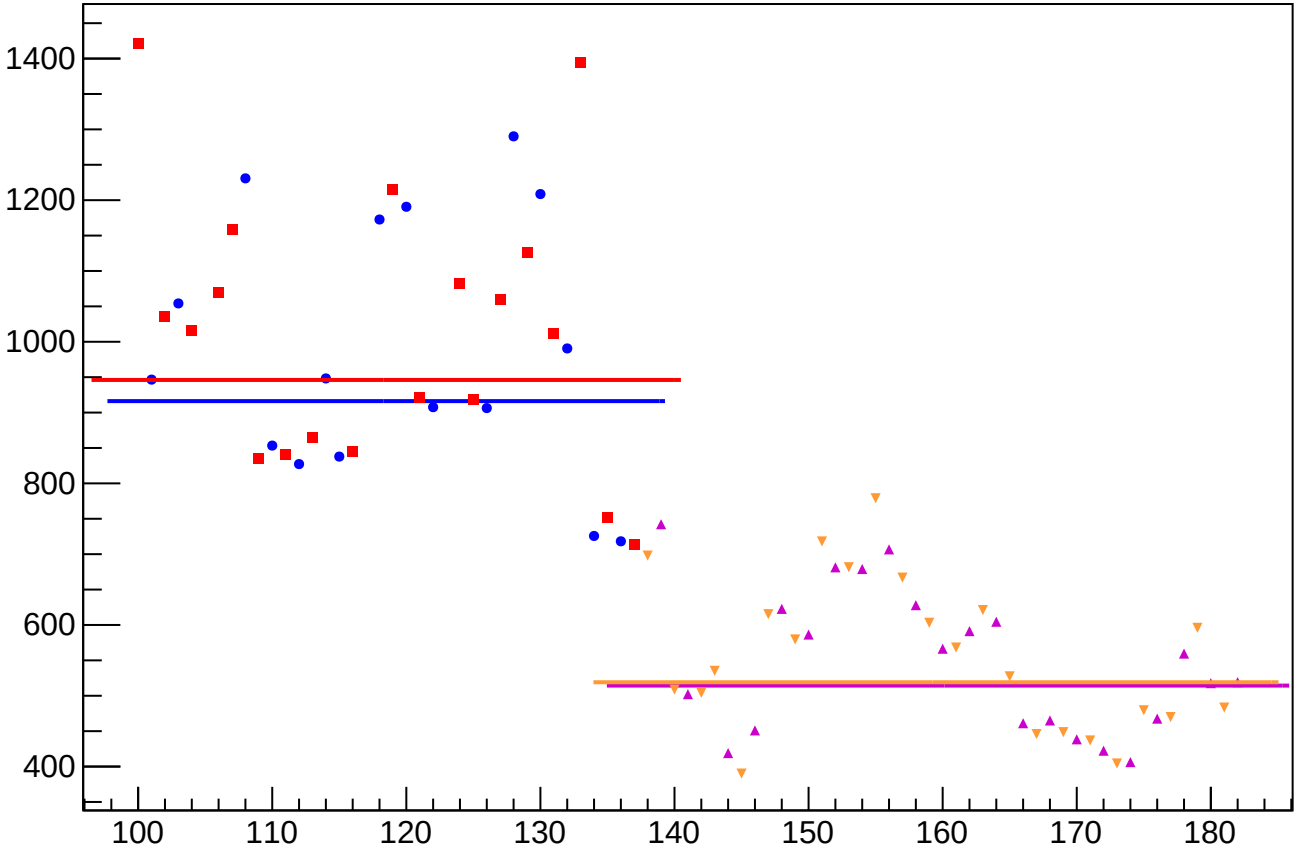
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 51.587+/-116.367 χ^2/NDF:44.8/37

Out: -479.778+/-116.827 χ^2/NDF:89.3/41

All: -213.048+/-82.446 χ^2/NDF: 144.4/79

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: 519.086+/-0.088 χ^2/NDF:1242813.9/22

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 514.375+/-0.087 χ^2/NDF:1119011.4/21

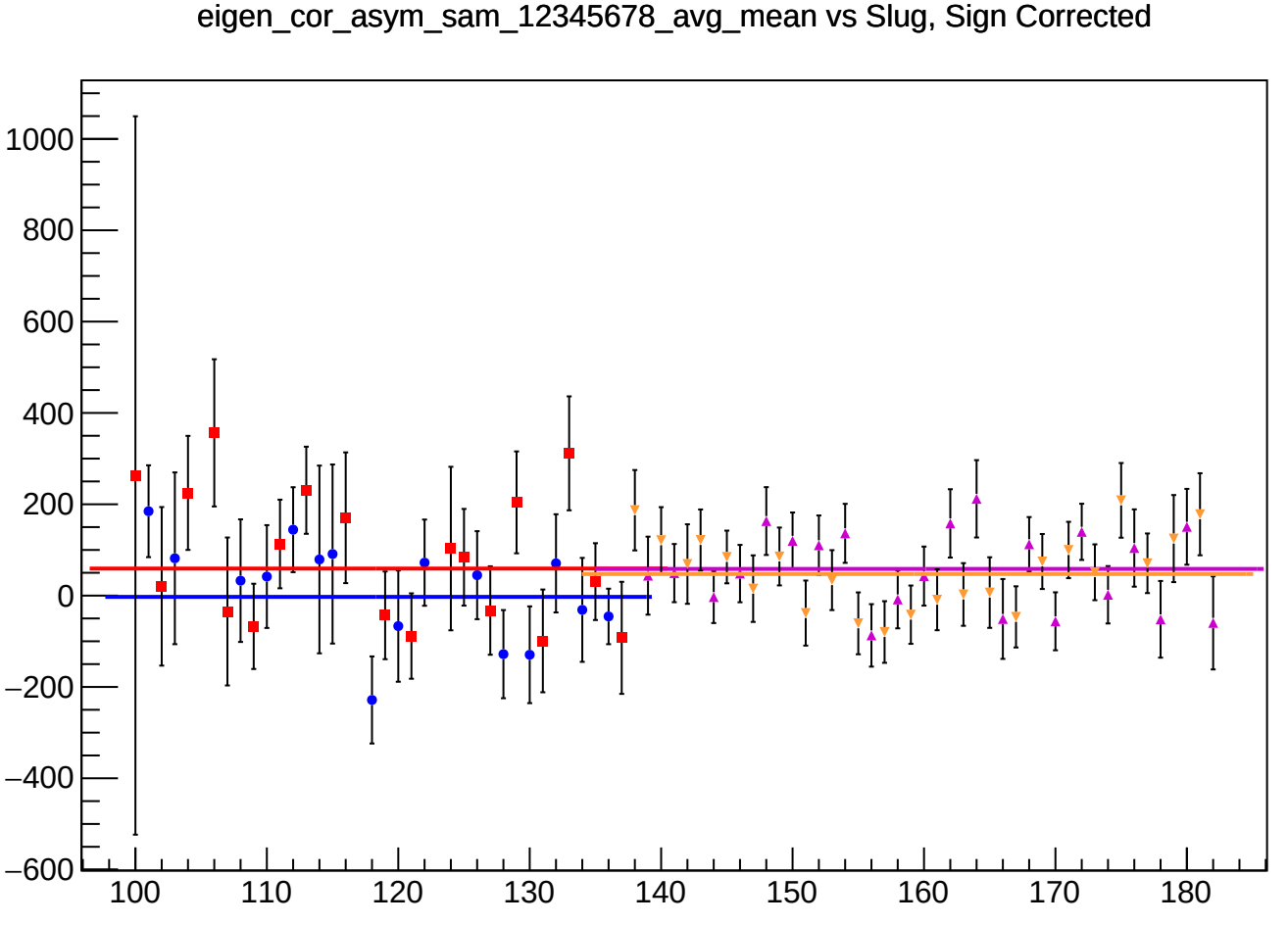
Left: 516.724+/-0.062 χ^2/NDF: 2363278.0/44

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 559.076+/-0.082 χ^2/NDF:3985770.3/37

Out: 565.727+/-0.083 χ^2/NDF:4247879.4/41

All: 562.388+/-0.058 χ^2/NDF: 8236904.5/79



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 47.301+/-14.469 χ^2/NDF:26.5/22

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 58.450+/-14.768 χ^2/NDF:29.9/21

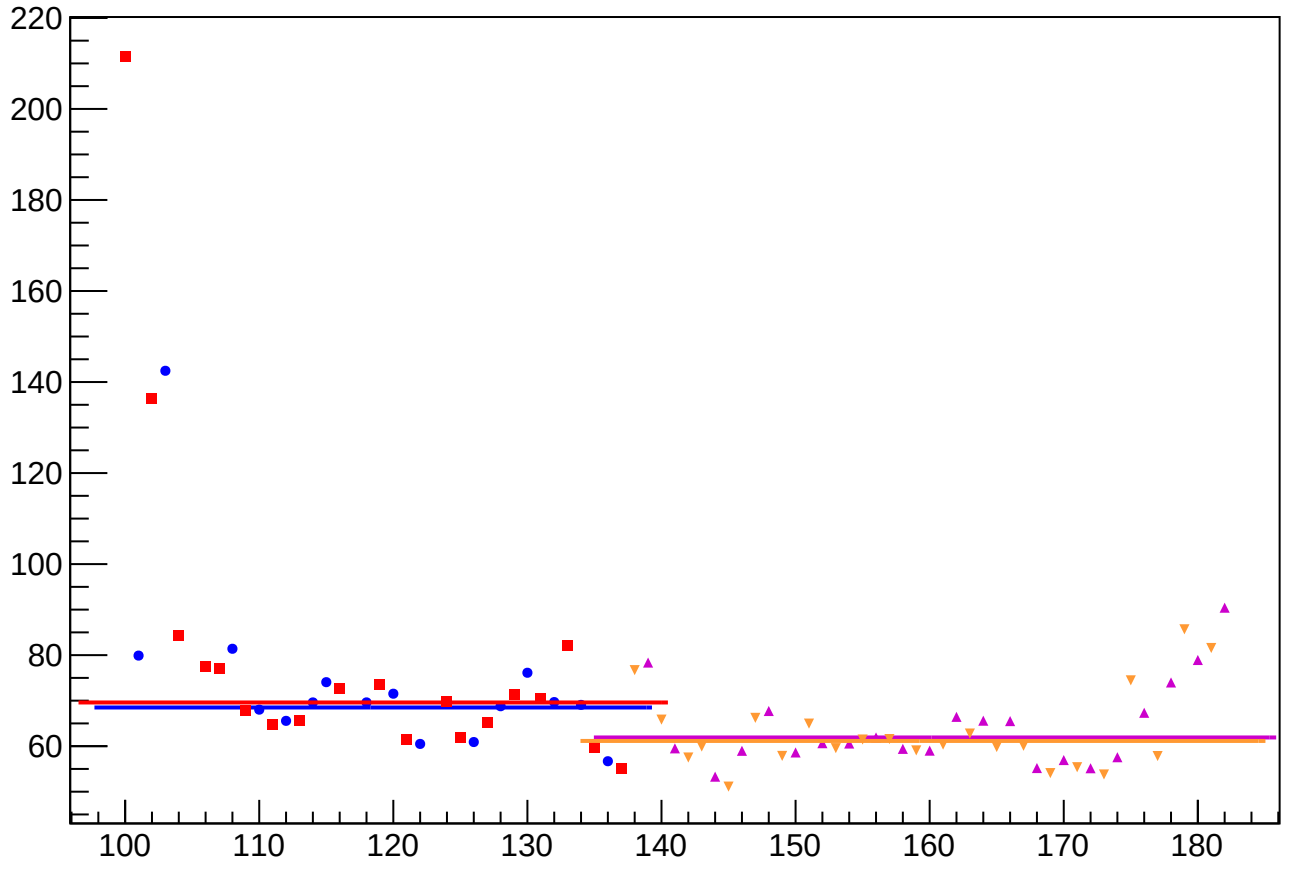
Left: 52.762+/-10.335 χ^2/NDF: 56.7/44

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 43.699+/-12.867 χ^2/NDF:51.7/37

Out: 50.059+/-12.686 χ^2/NDF:52.3/41

All: 46.924+/-9.034 χ^2/NDF: 104.1/79



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.150+/-0.010 χ^2/NDF:530053.8/22

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.912+/-0.010 χ^2/NDF:529826.8/21

Left: 61.523+/-0.007 χ^2/NDF: 1062602.3/44

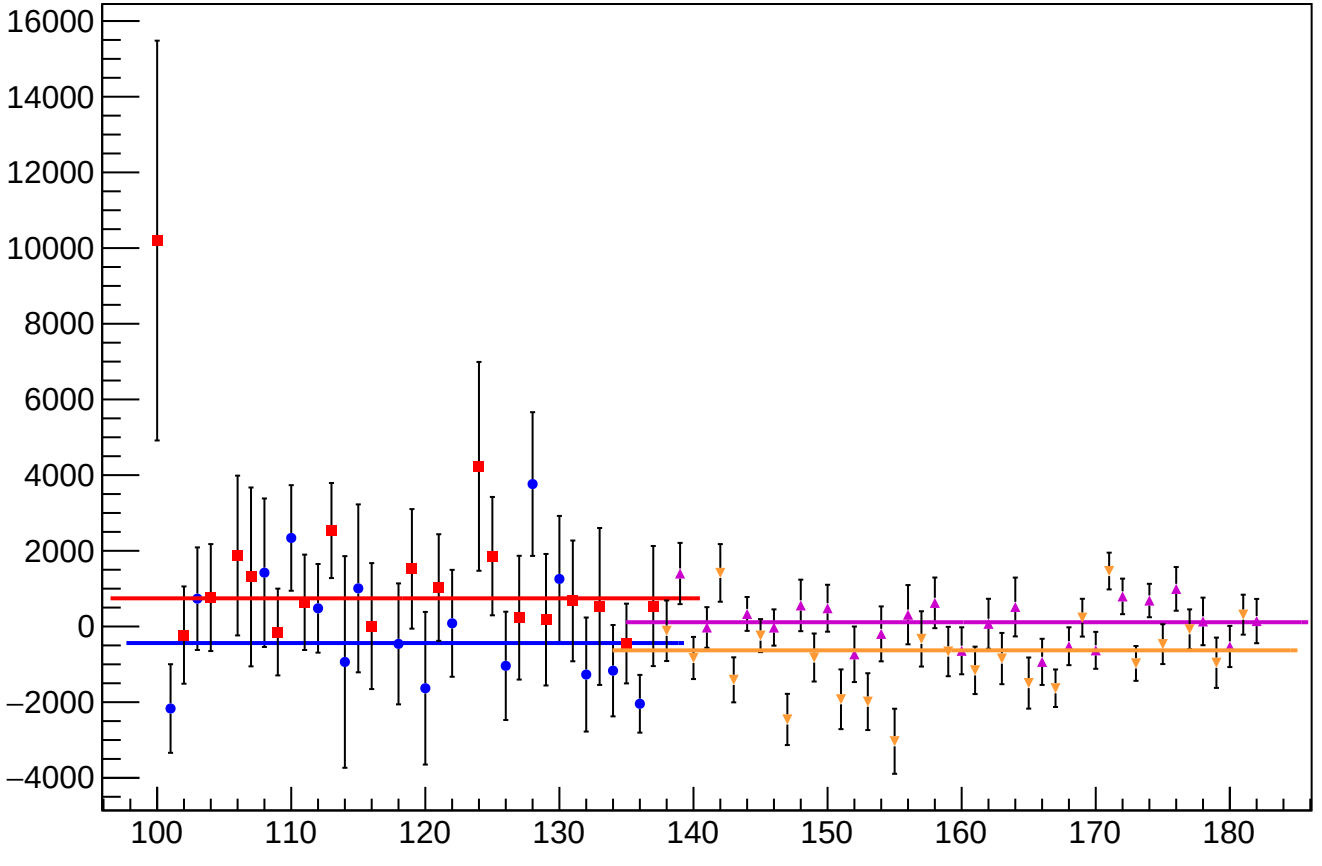
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.499+/-0.009 χ^2/NDF:1097533.9/37

Out: 63.104+/-0.009 χ^2/NDF:1207592.0/41

All: 63.299+/-0.006 χ^2/NDF: 2306084.9/79

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: -629.889+/-123.783 χ^2/NDF:65.0/22

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 112.799+/-123.436 χ^2/NDF:22.0/21

Left: -257.502+/-87.405 χ^2/NDF: 105.0/44

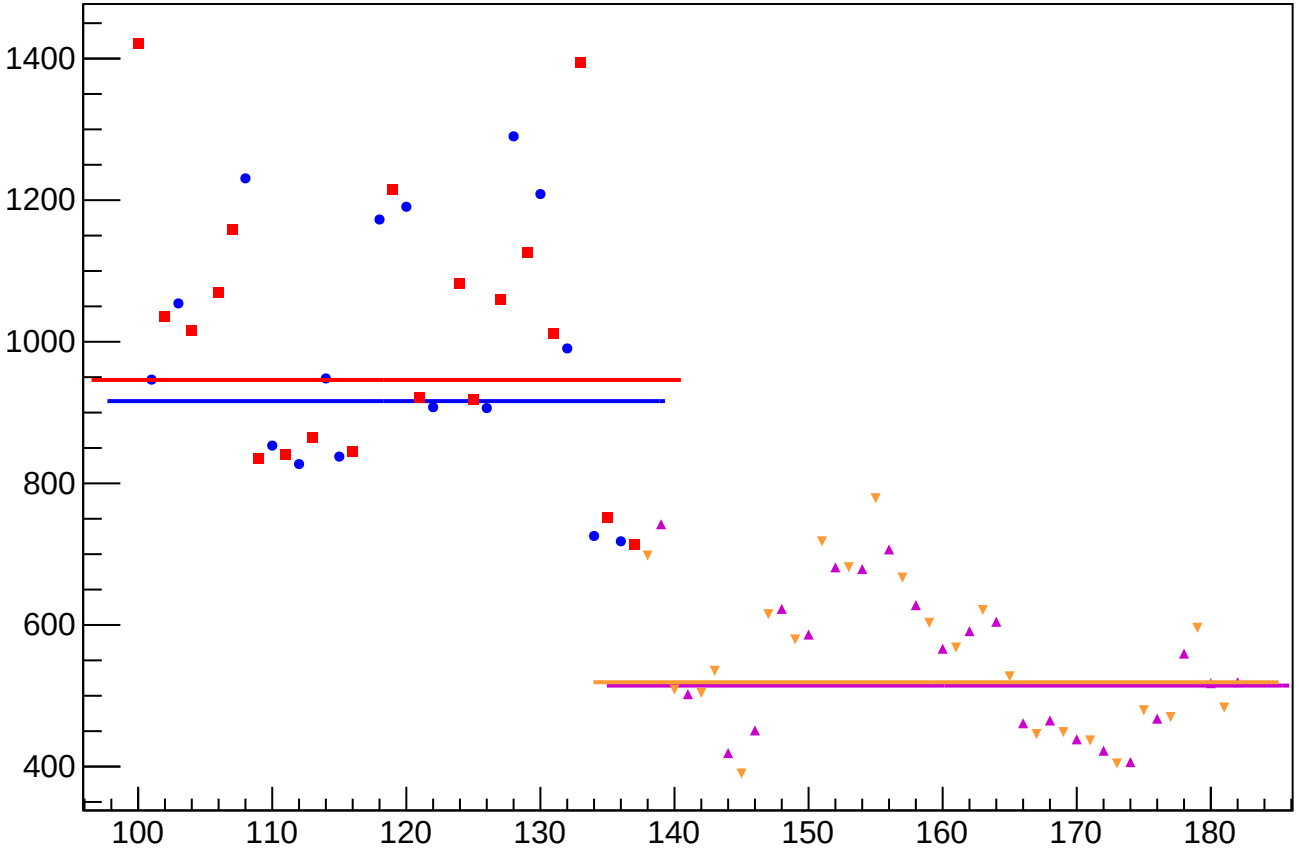
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 51.587+/-116.367 χ^2/NDF:44.8/37

Out: -479.778+/-116.827 χ^2/NDF:89.3/41

All: -213.048+/-82.446 χ^2/NDF: 144.4/79

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: 519.086+/-0.088 χ^2/NDF:1242813.9/22

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 514.375+/-0.087 χ^2/NDF:1119011.4/21

Left: 516.724+/-0.062 χ^2/NDF: 2363278.0/44

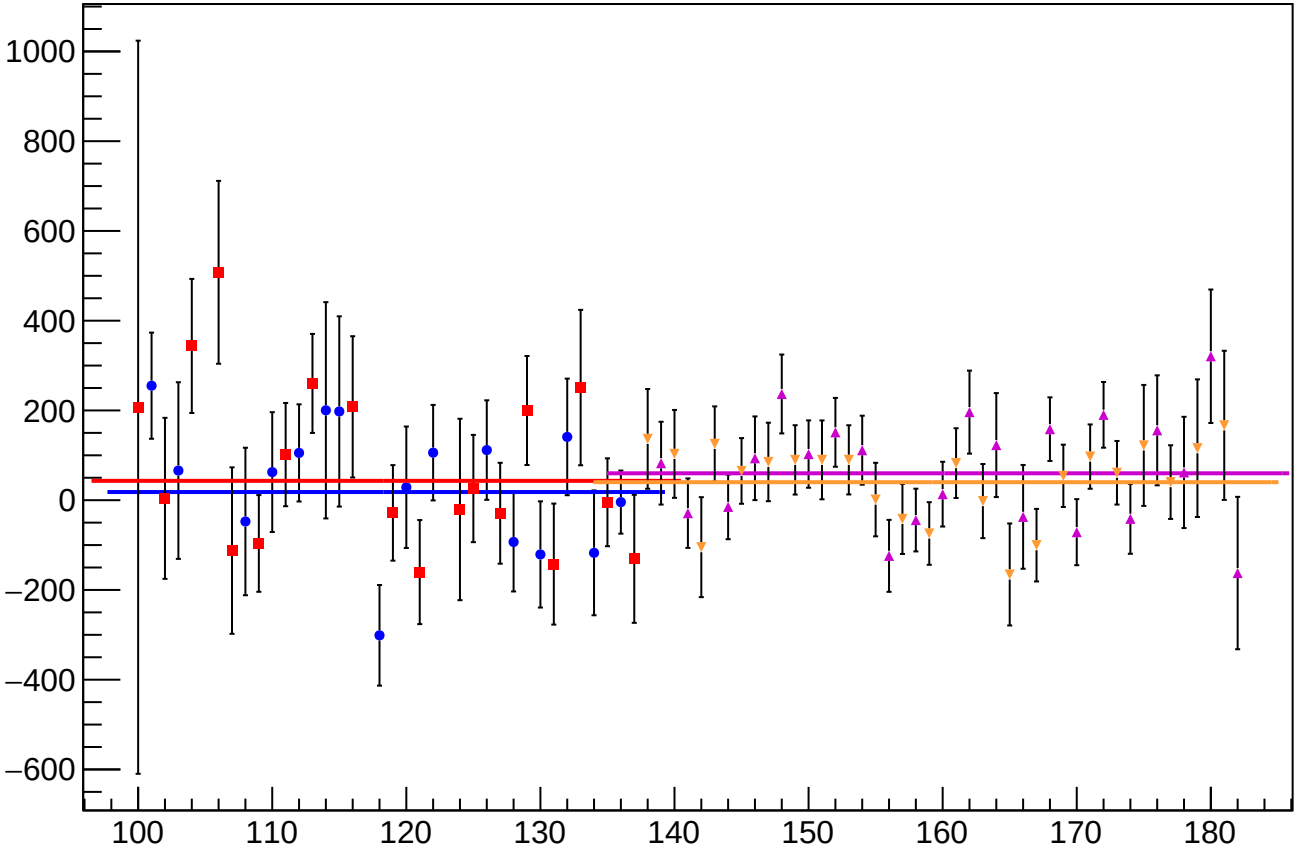
Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 559.076+/-0.082 χ^2/NDF:3985770.3/37

Out: 565.727+/-0.083 χ^2/NDF:4247879.4/41

All: 562.388+/-0.058 χ^2/NDF: 8236904.5/79

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 40.116+/-17.857 χ^2/NDF:18.2/22

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 59.950+/-18.250 χ^2/NDF:35.3/21

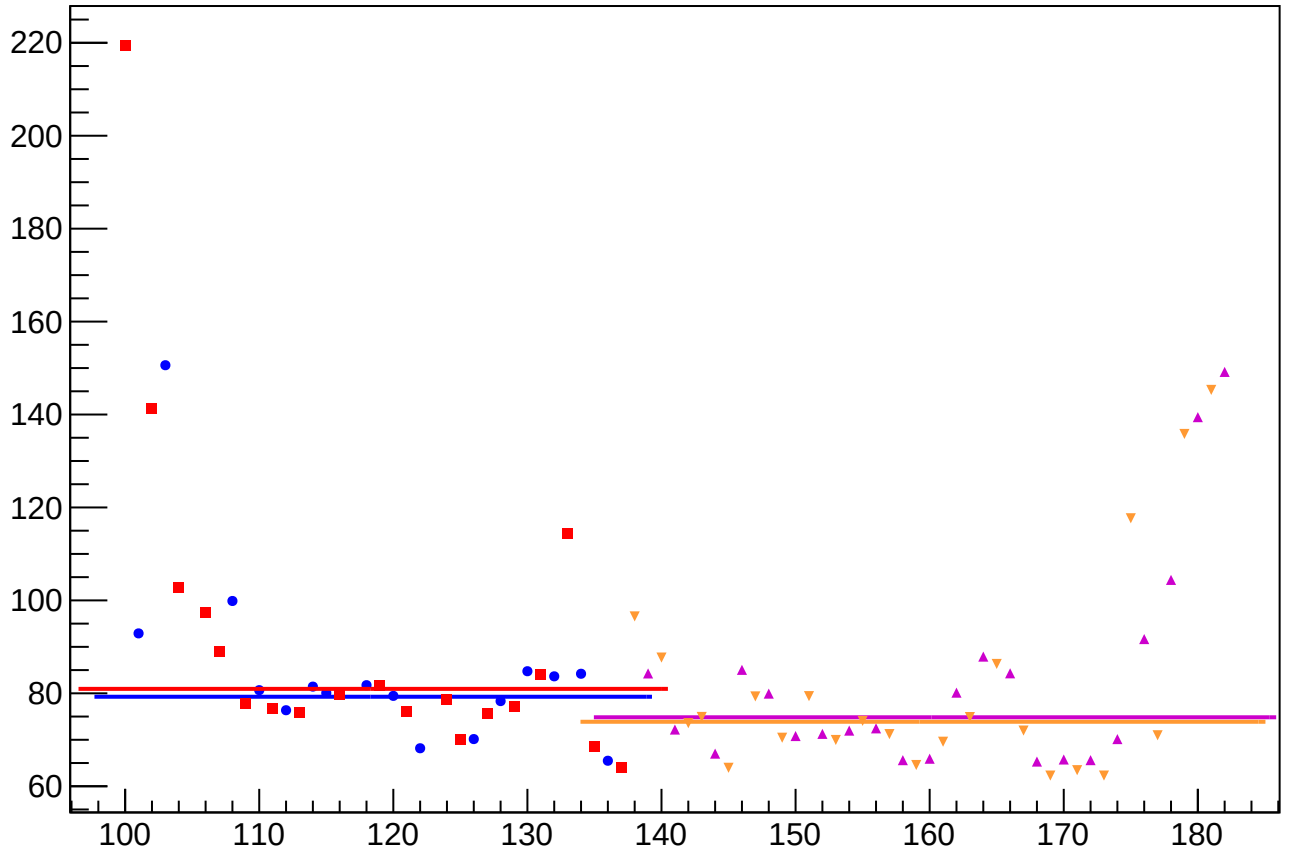
Left: 49.817+/-12.763 χ^2/NDF: 54.1/44

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 48.854+/-15.640 χ^2/NDF:56.8/37

Out: 40.882+/-15.436 χ^2/NDF:46.0/41

All: 44.816+/-10.986 χ^2/NDF: 102.9/79



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.877+/-0.013 χ^2/NDF:1314540.3/22

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 74.843+/-0.013 χ^2/NDF:1220685.2/21

Left: 74.350+/-0.009 χ^2/NDF: 2538087.7/44

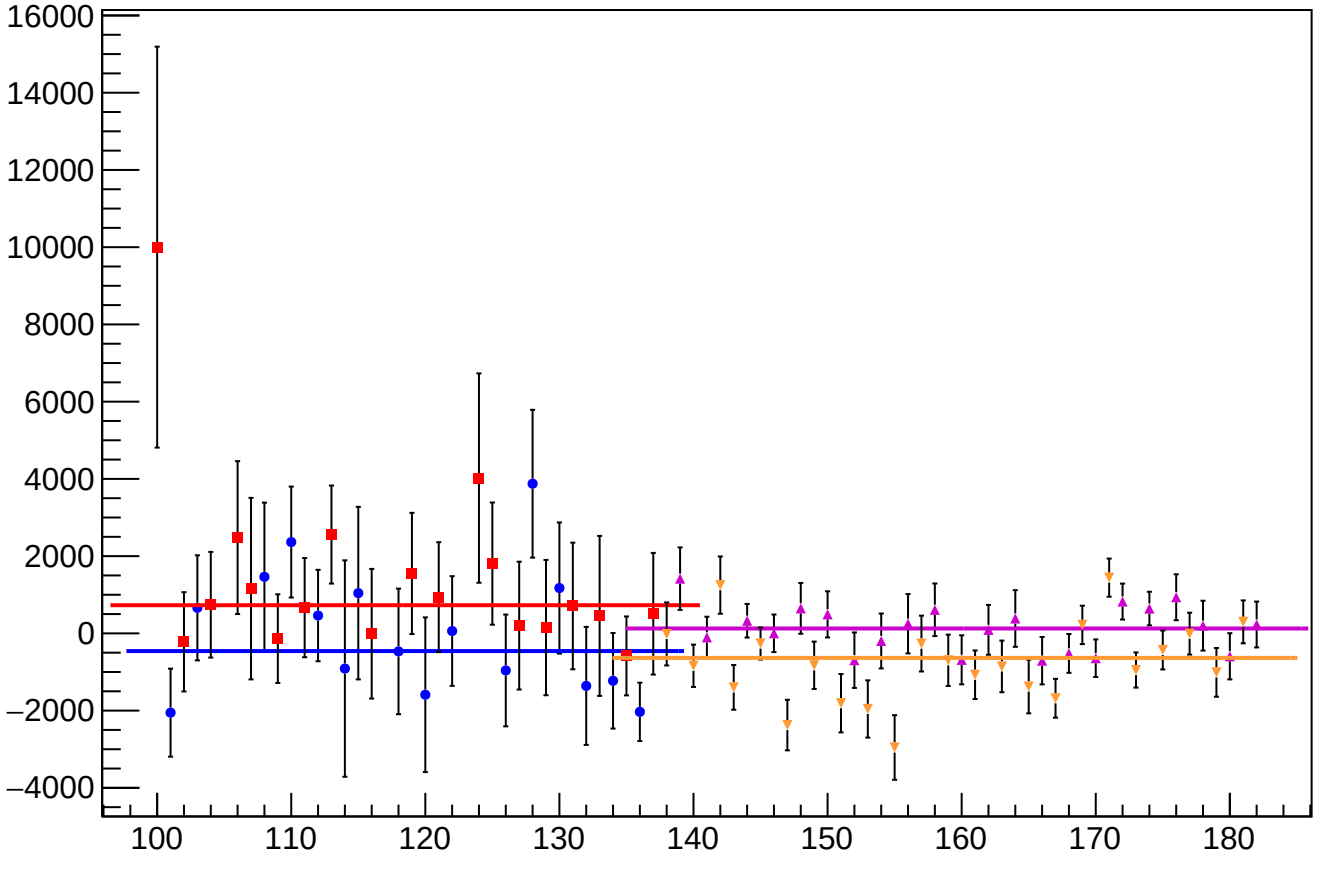
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 76.017+/-0.011 χ^2/NDF:1696794.2/37

Out: 75.667+/-0.011 χ^2/NDF:1908199.1/41

All: 75.840+/-0.008 χ^2/NDF: 3605501.9/79

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: -634.891+/-122.643 χ^2/NDF:62.3/22

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 126.324+/-123.350 χ^2/NDF:20.8/21

Left: -256.470+/-86.971 χ^2/NDF: 102.3/44

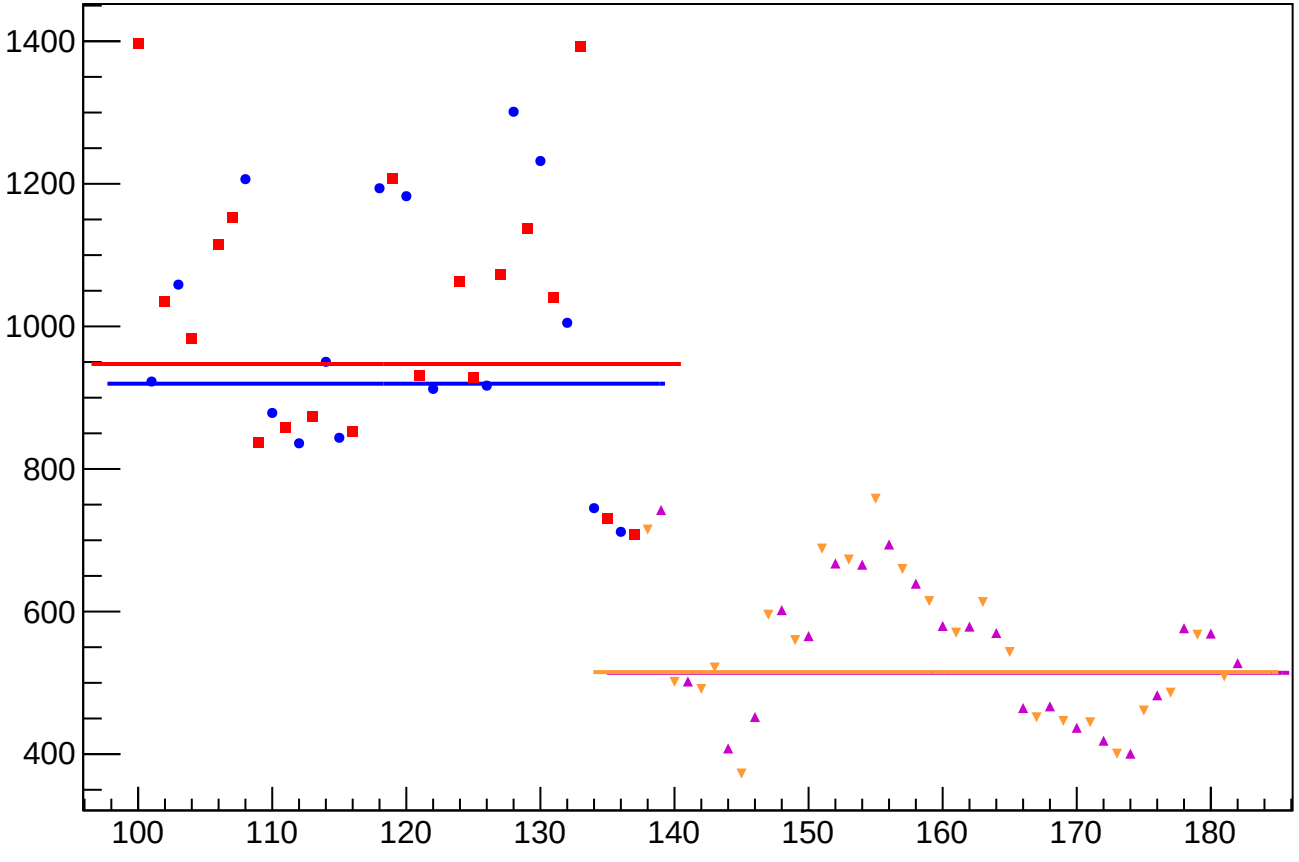
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 61.779+/-116.339 χ^2/NDF:43.6/37

Out: -487.700+/-115.835 χ^2/NDF:87.2/41

All: -214.153+/-82.085 χ^2/NDF: 141.9/79

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: 515.058+/-0.087 χ^2/NDF:1230811.6/22

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 514.075+/-0.087 χ^2/NDF:1116883.0/21

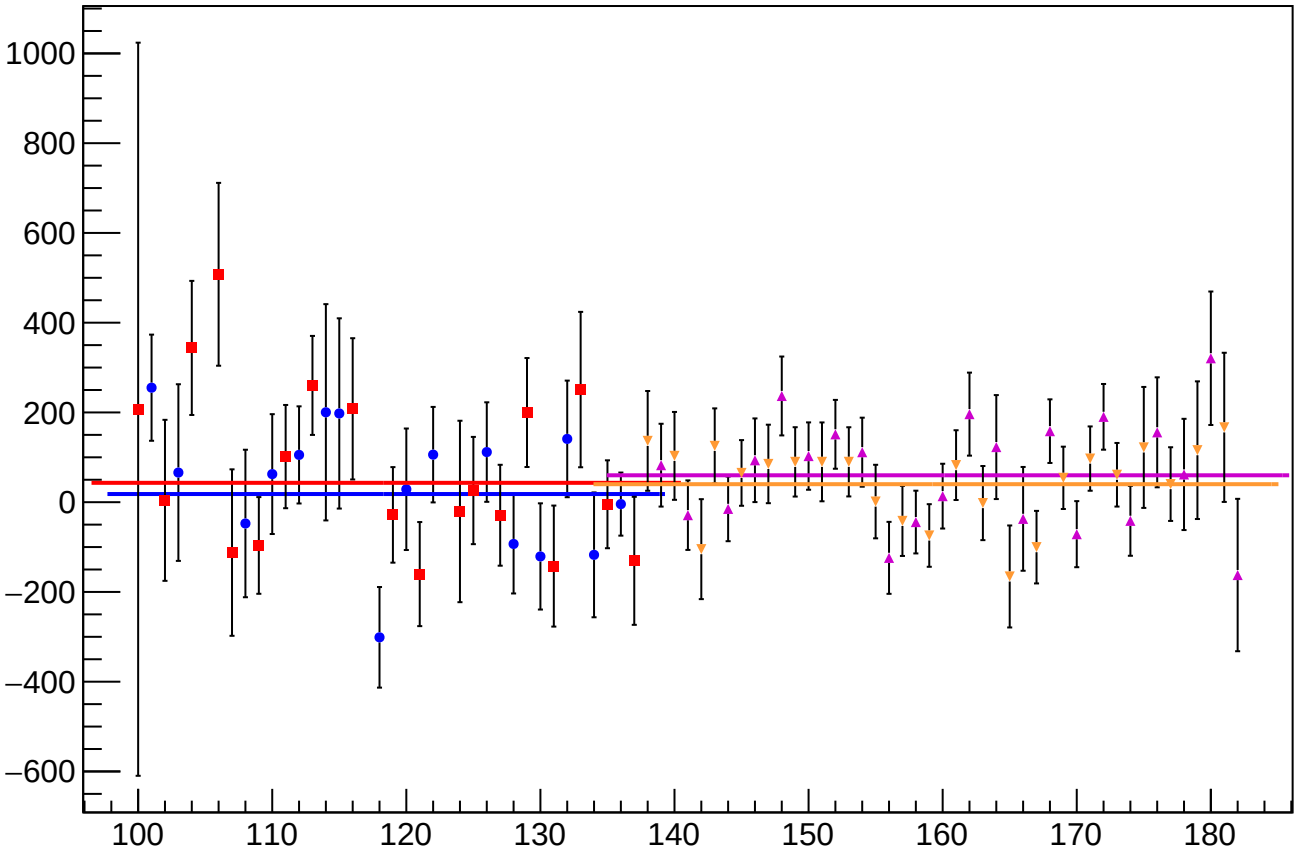
Left: 514.569+/-0.061 χ^2/NDF: 2347758.5/44

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 558.866+/-0.082 χ^2/NDF:4020138.9/37

Out: 561.711+/-0.082 χ^2/NDF:4337528.1/41

All: 560.295+/-0.058 χ^2/NDF: 8358267.8/79



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 40.116+/-17.857 χ^2/NDF:18.2/22

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 59.949+/-18.250 χ^2/NDF:35.3/21

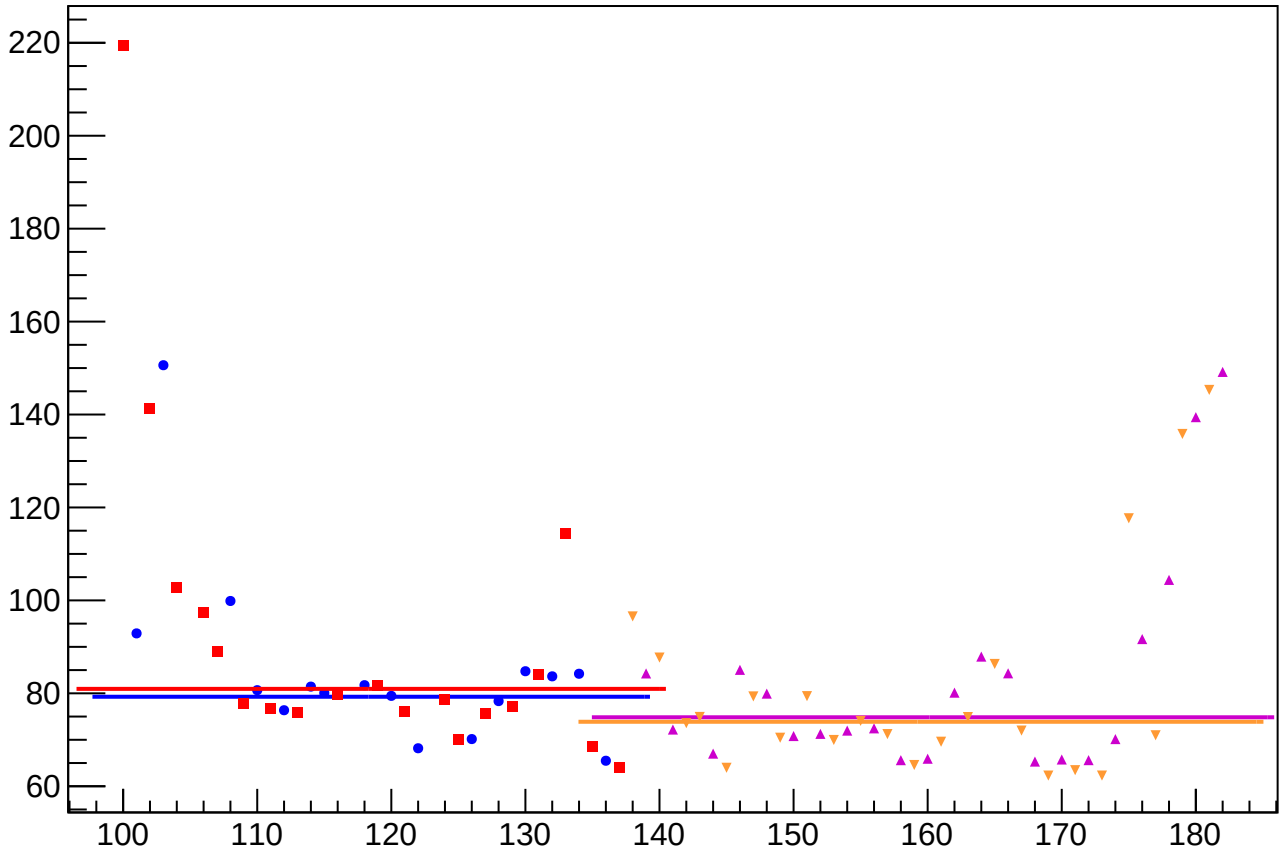
Left: 49.817+/-12.763 χ^2/NDF: 54.1/44

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 48.854+/-15.640 χ^2/NDF:56.8/37

Out: 40.881+/-15.436 χ^2/NDF:46.0/41

All: 44.815+/-10.986 χ^2/NDF: 102.9/79



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.878+/-0.013 χ^2/NDF:1314540.4/22

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 74.843+/-0.013 χ^2/NDF:1220670.4/21

Left: 74.350+/-0.009 χ^2/NDF: 2538073.1/44

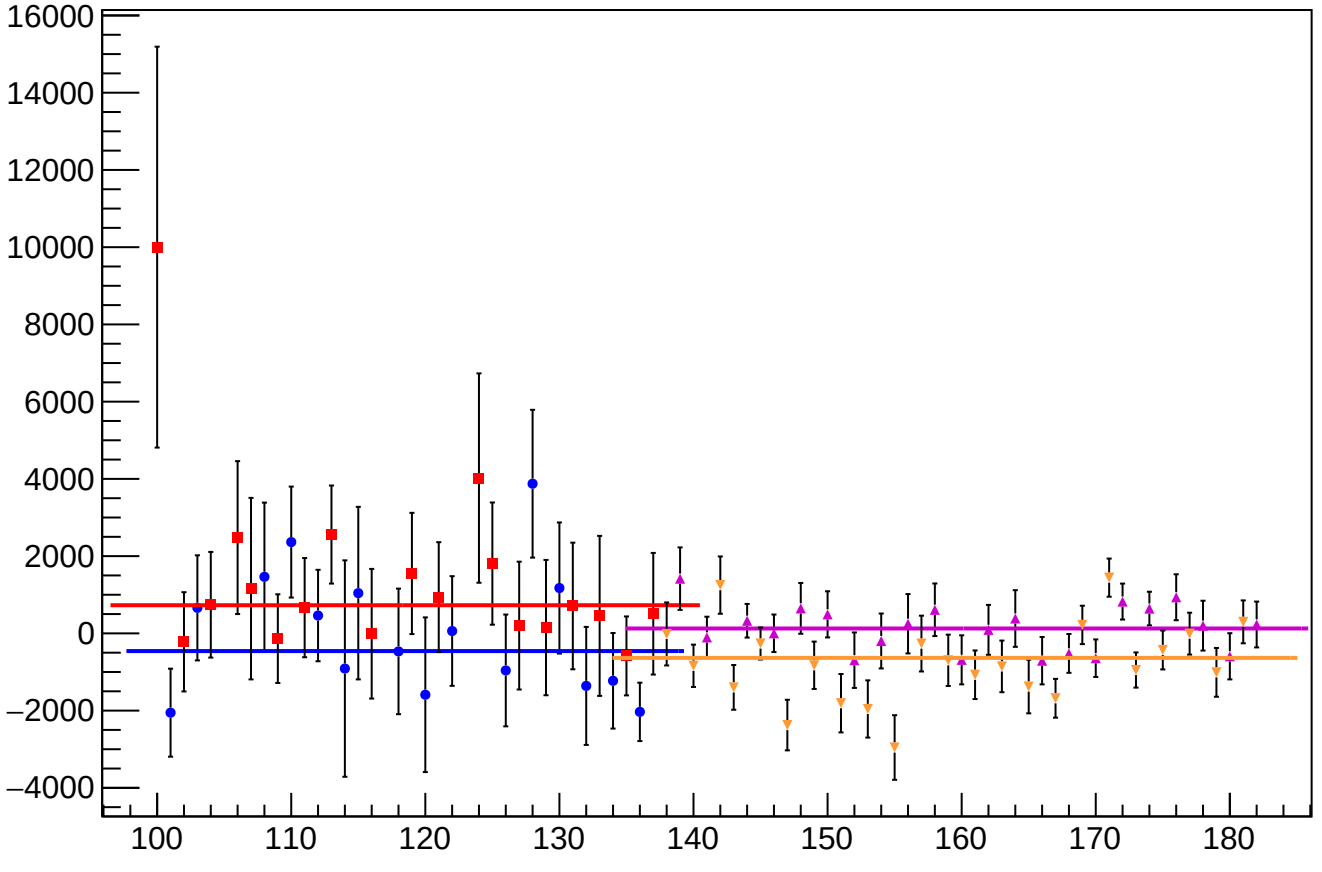
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 76.017+/-0.011 χ^2/NDF:1696770.0/37

Out: 75.667+/-0.011 χ^2/NDF:1908198.9/41

All: 75.840+/-0.008 χ^2/NDF: 3605477.4/79

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: -634.890+/-122.643 χ^2/NDF:62.3/22

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 126.323+/-123.350 χ^2/NDF:20.8/21

Left: -256.470+/-86.970 χ^2/NDF: 102.3/44

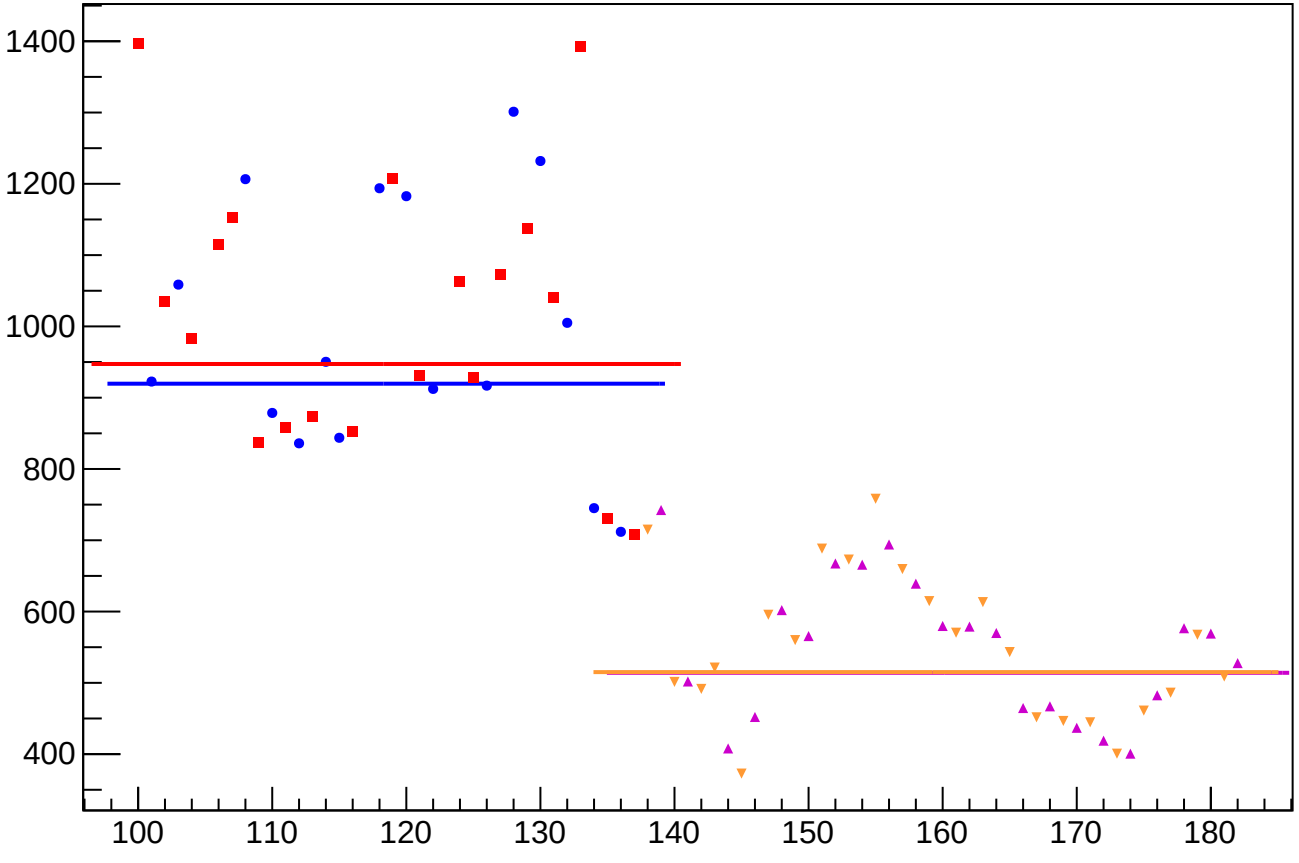
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 61.778+/-116.339 χ^2/NDF:43.6/37

Out: -487.699+/-115.835 χ^2/NDF:87.2/41

All: -214.153+/-82.085 χ^2/NDF: 141.9/79

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: 515.057+/-0.087 χ^2/NDF:1230813.9/22

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 514.074+/-0.087 χ^2/NDF:1116881.5/21

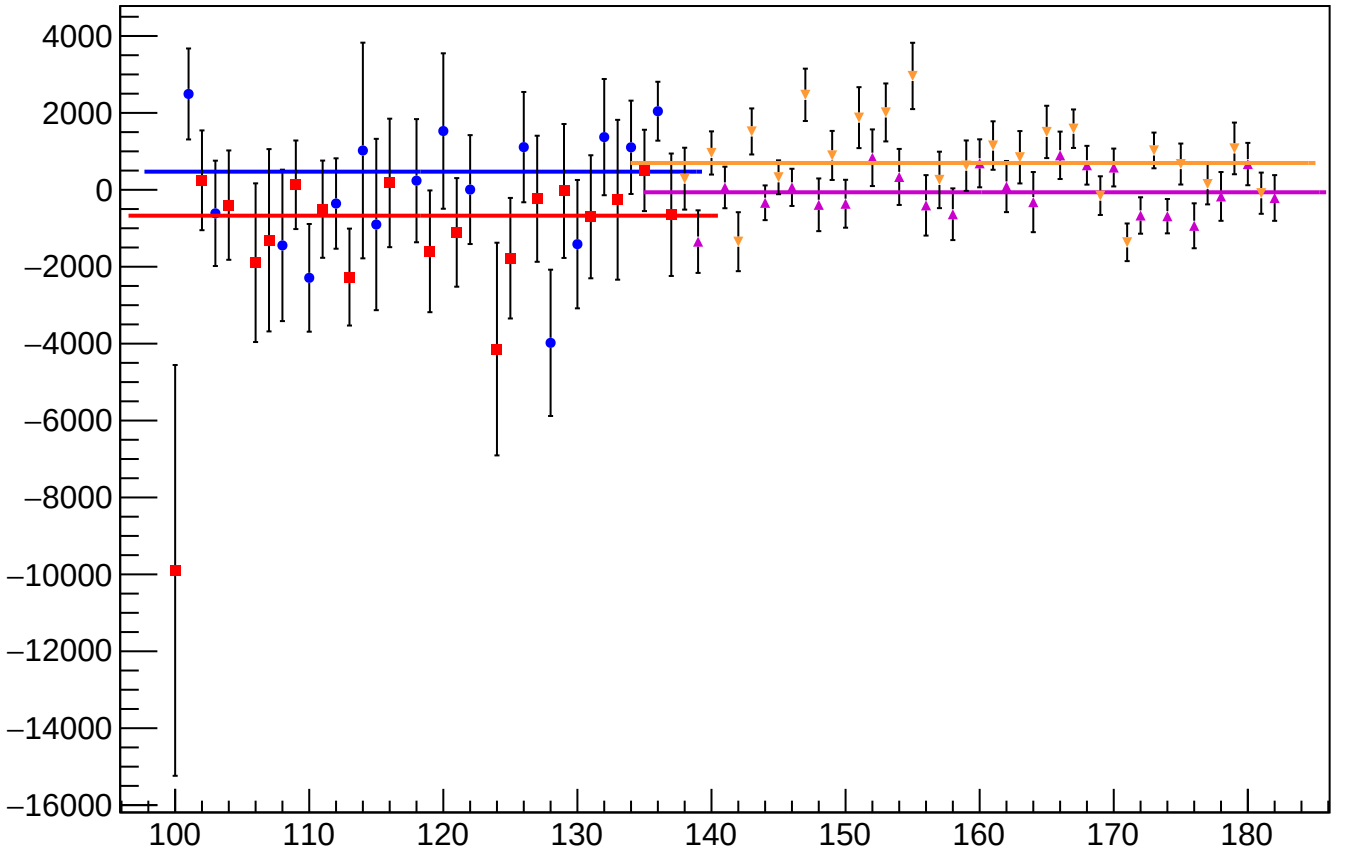
Left: 514.569+/-0.061 χ^2/NDF: 2347759.3/44

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 558.865+/-0.082 χ^2/NDF:4020134.1/37

Out: 561.710+/-0.082 χ^2/NDF:4337528.3/41

All: 560.294+/-0.058 χ^2/NDF: 8358263.2/79



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 697.914+/-124.760 χ^2/NDF:59.4/22

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -63.867+/-124.456 χ^2/NDF:21.5/21

Left: 316.093+/-88.111 χ^2/NDF: 99.5/44

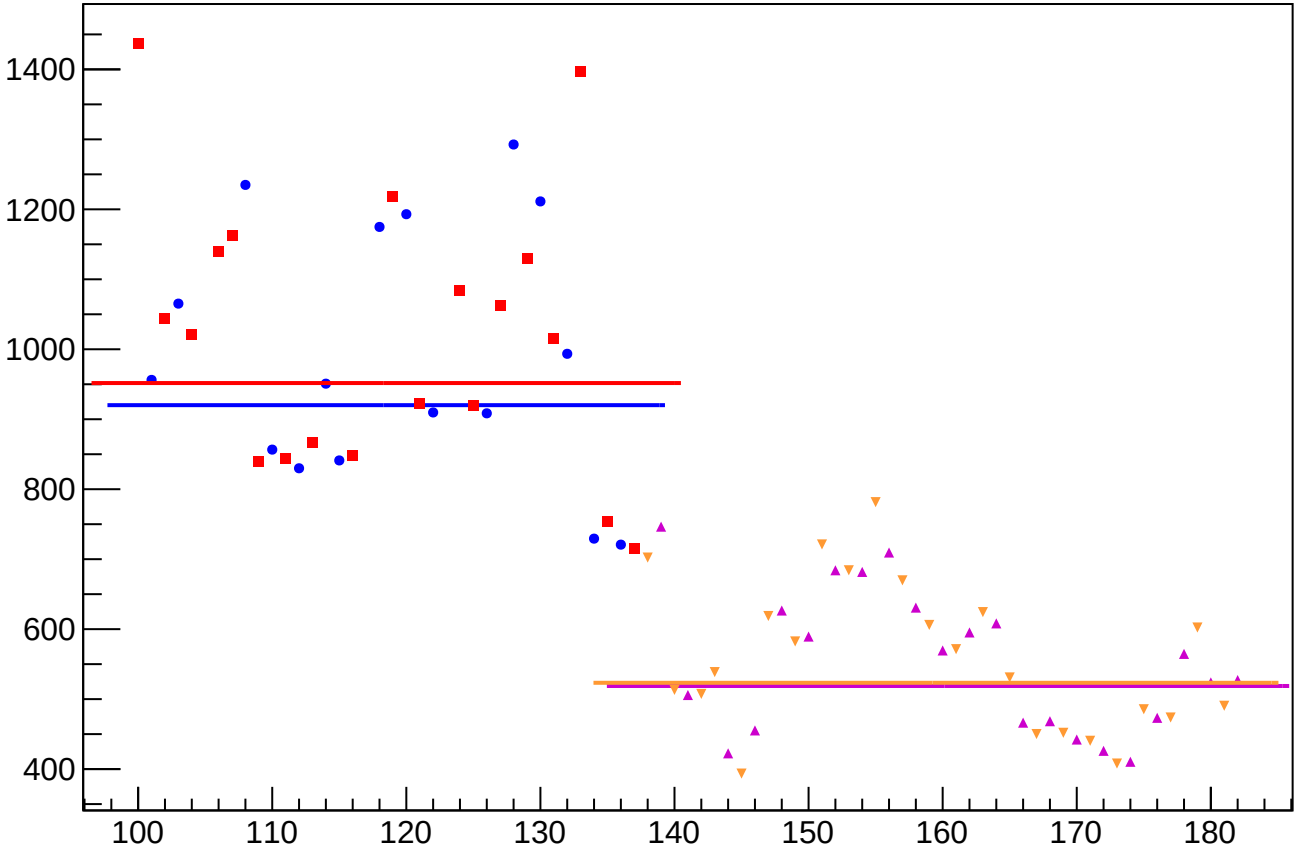
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: -3.829+/-117.277 χ^2/NDF:45.0/37

Out: 546.890+/-117.685 χ^2/NDF:83.0/41

All: 270.573+/-83.071 χ^2/NDF: 139.0/79

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 523.352+/-0.088 χ^2/NDF:1221139.1/22

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 518.782+/-0.088 χ^2/NDF:1098758.7/21

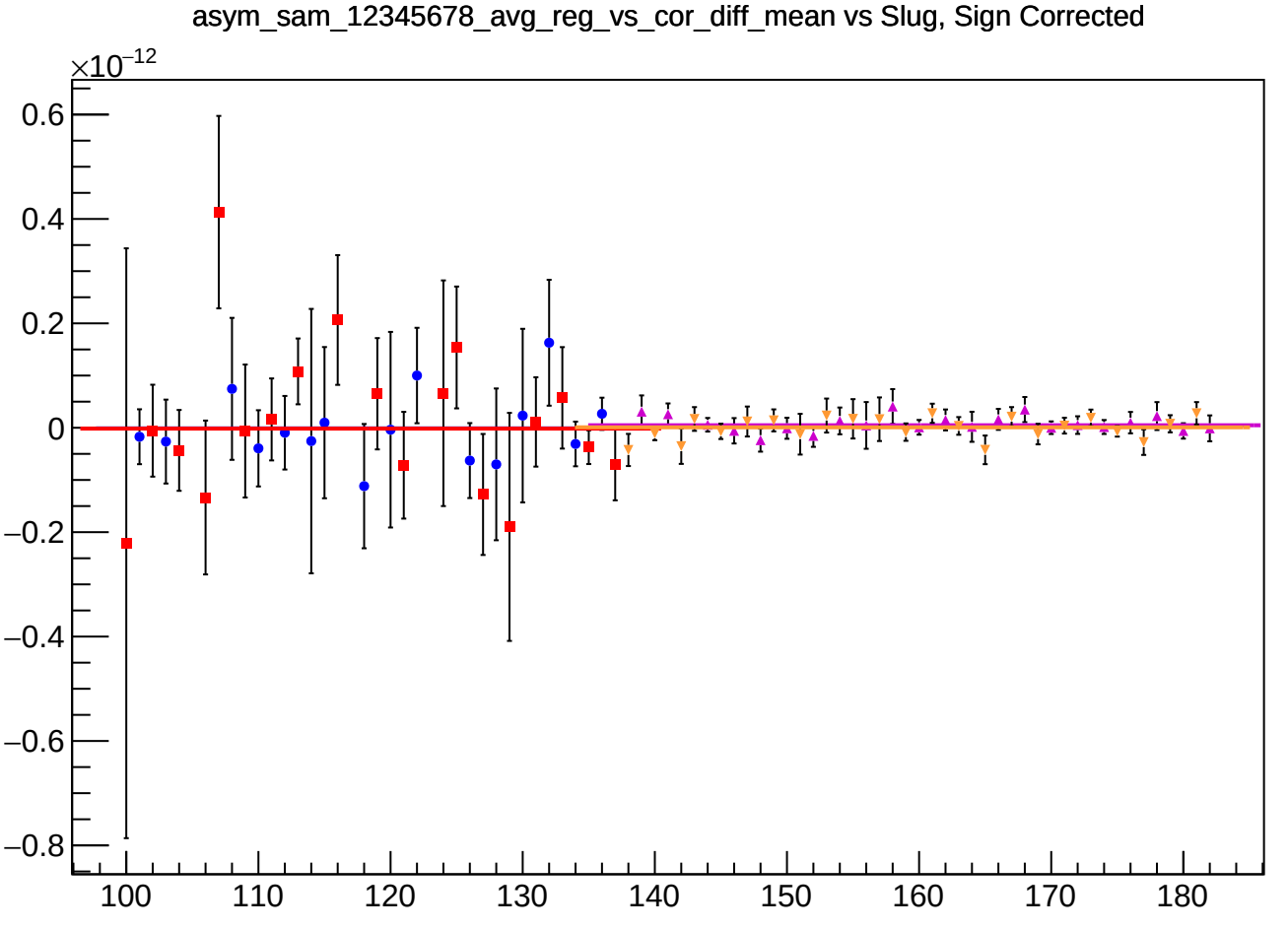
Left: 521.062+/-0.062 χ^2/NDF: 2321242.6/44

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 563.747+/-0.083 χ^2/NDF:3937612.1/37

Out: 570.559+/-0.083 χ^2/NDF:4235658.3/41

All: 567.141+/-0.059 χ^2/NDF: 8176632.1/79



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/21

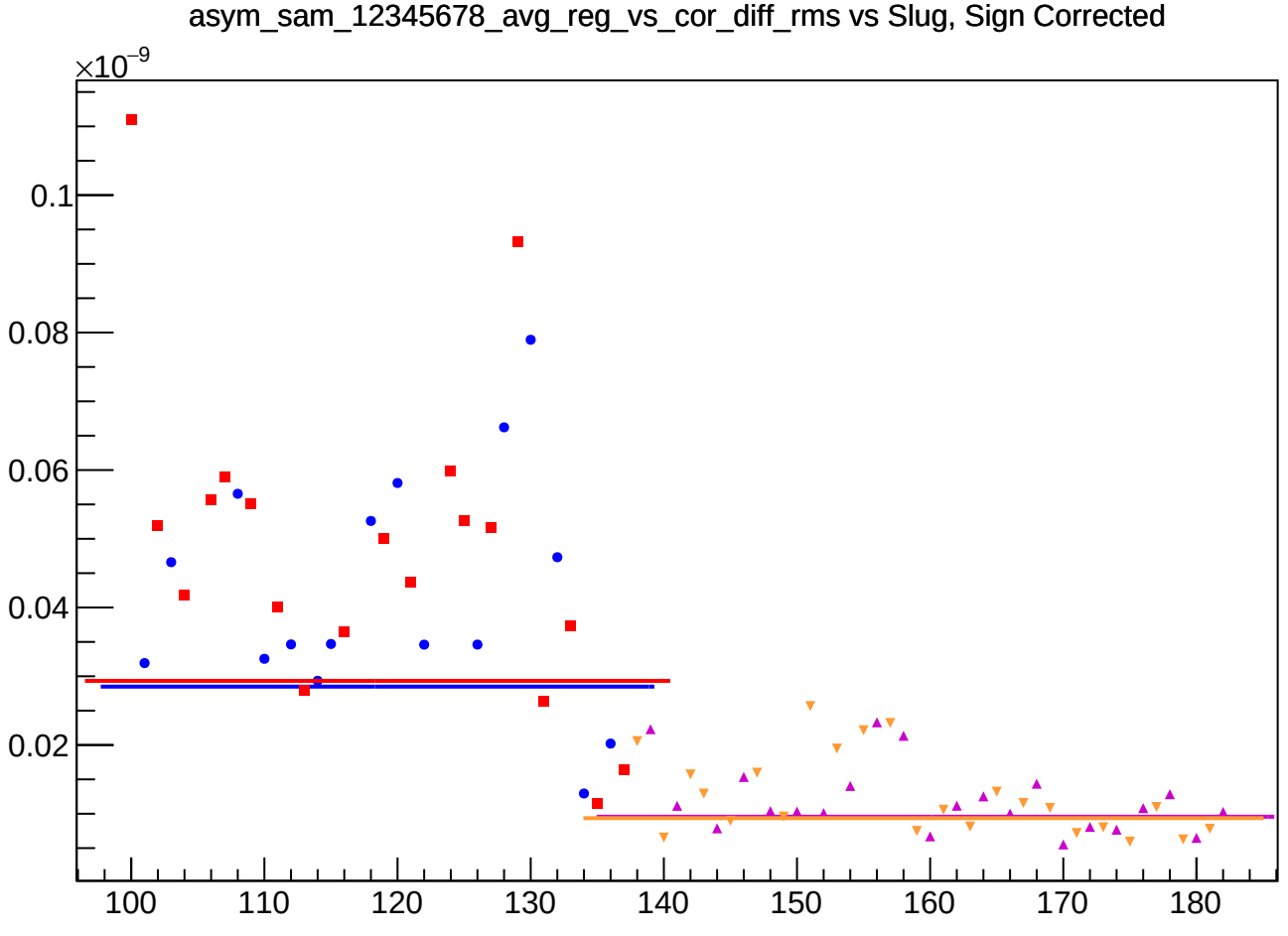
Left: 0.000+/-0.000 χ^2/NDF: 27.6/44

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:16.6/37

Out: 0.000+/-0.000 χ^2/NDF:37.2/41

All: 0.000+/-0.000 χ^2/NDF: 54.2/79



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2072701.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1599009.3/21

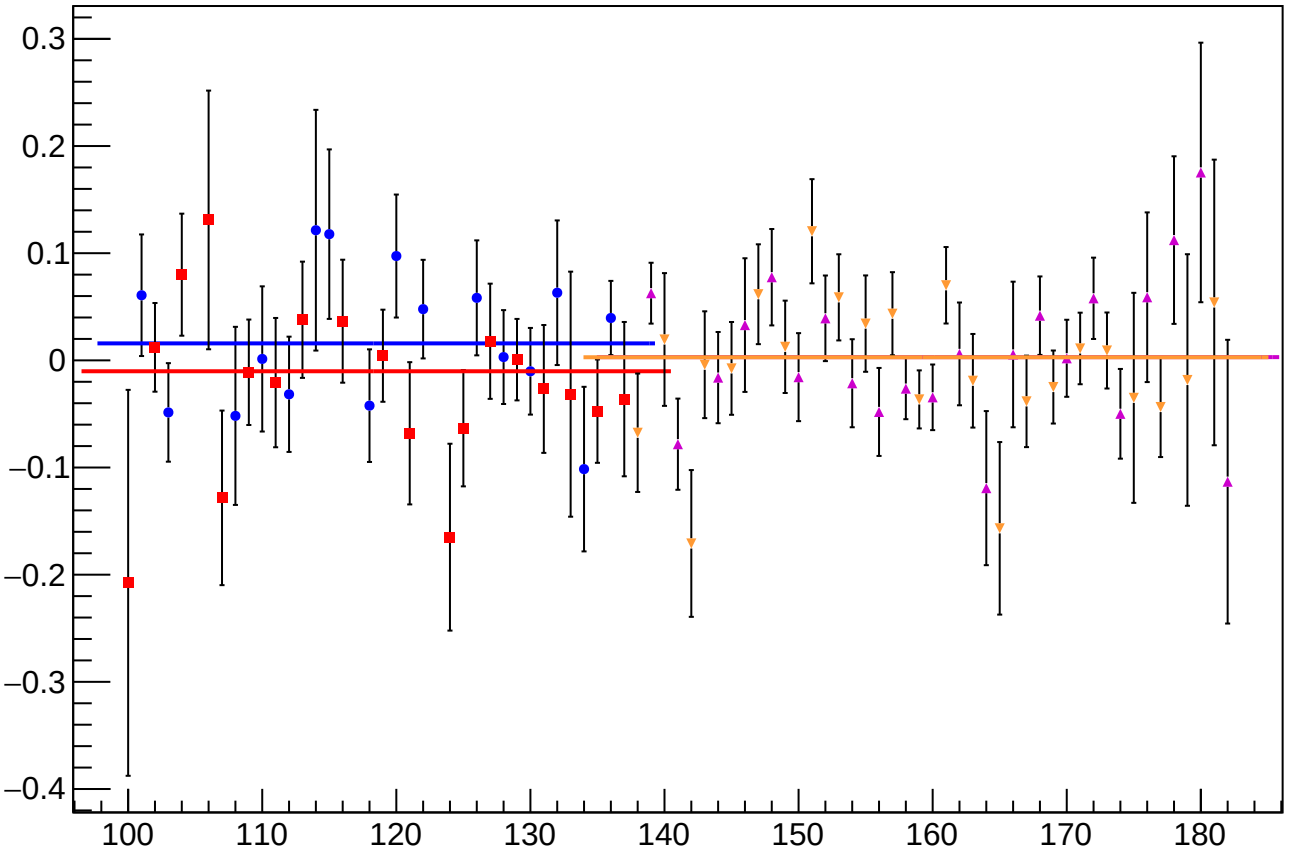
Left: 0.000+/-0.000 χ^2/NDF: 3674488.8/44

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:4919448.4/37

Out: 0.000+/-0.000 χ^2/NDF:5783049.2/41

All: 0.000+/-0.000 χ^2/NDF: 10710726.8/79



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.1/22

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.009 χ^2/NDF:29.7/21

Left: 0.003+/-0.007 χ^2/NDF: 61.7/44

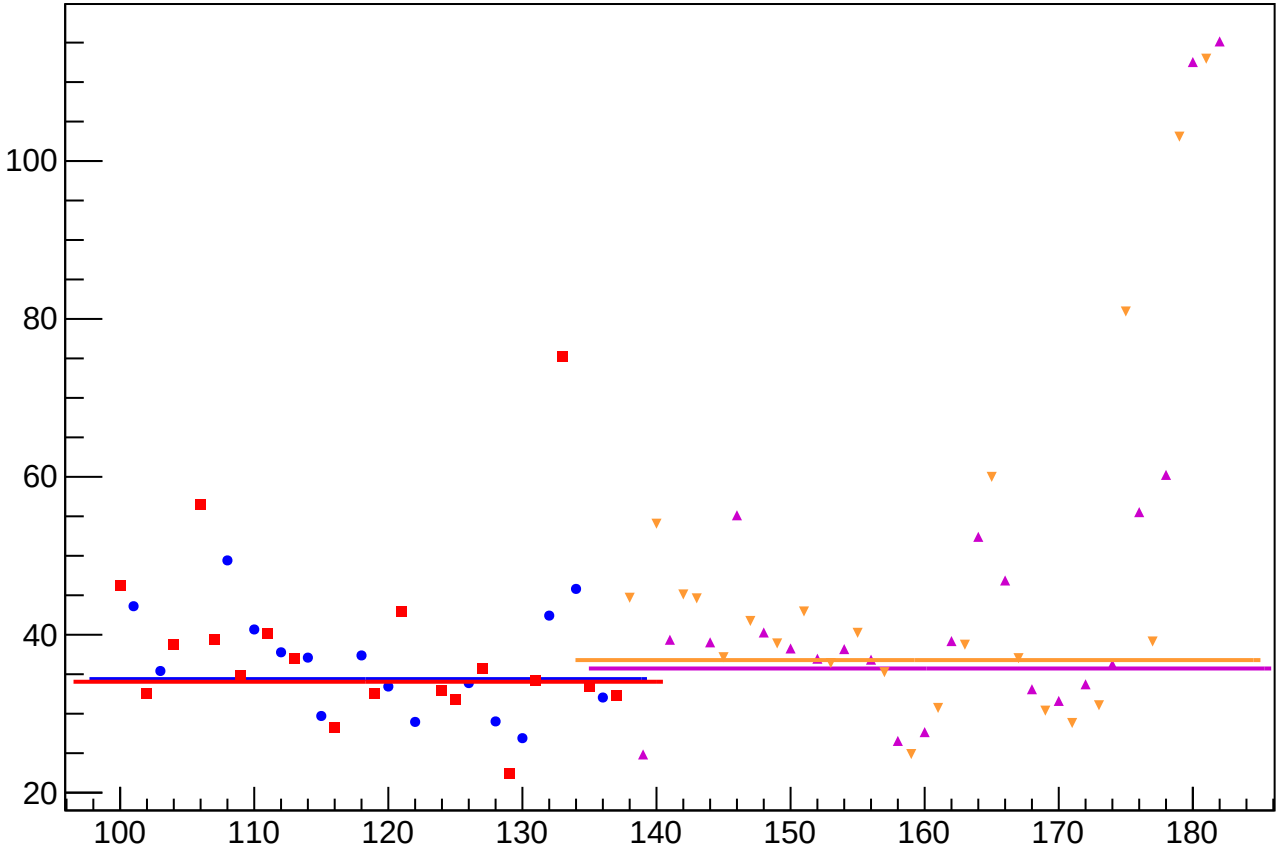
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:45.1/37

Out: -0.001+/-0.008 χ^2/NDF:47.9/41

All: 0.003+/-0.005 χ^2/NDF: 93.6/79

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: 36.790+/-0.007 χ^2/NDF:2902997.4/22

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.726+/-0.006 χ^2/NDF:2958880.6/21

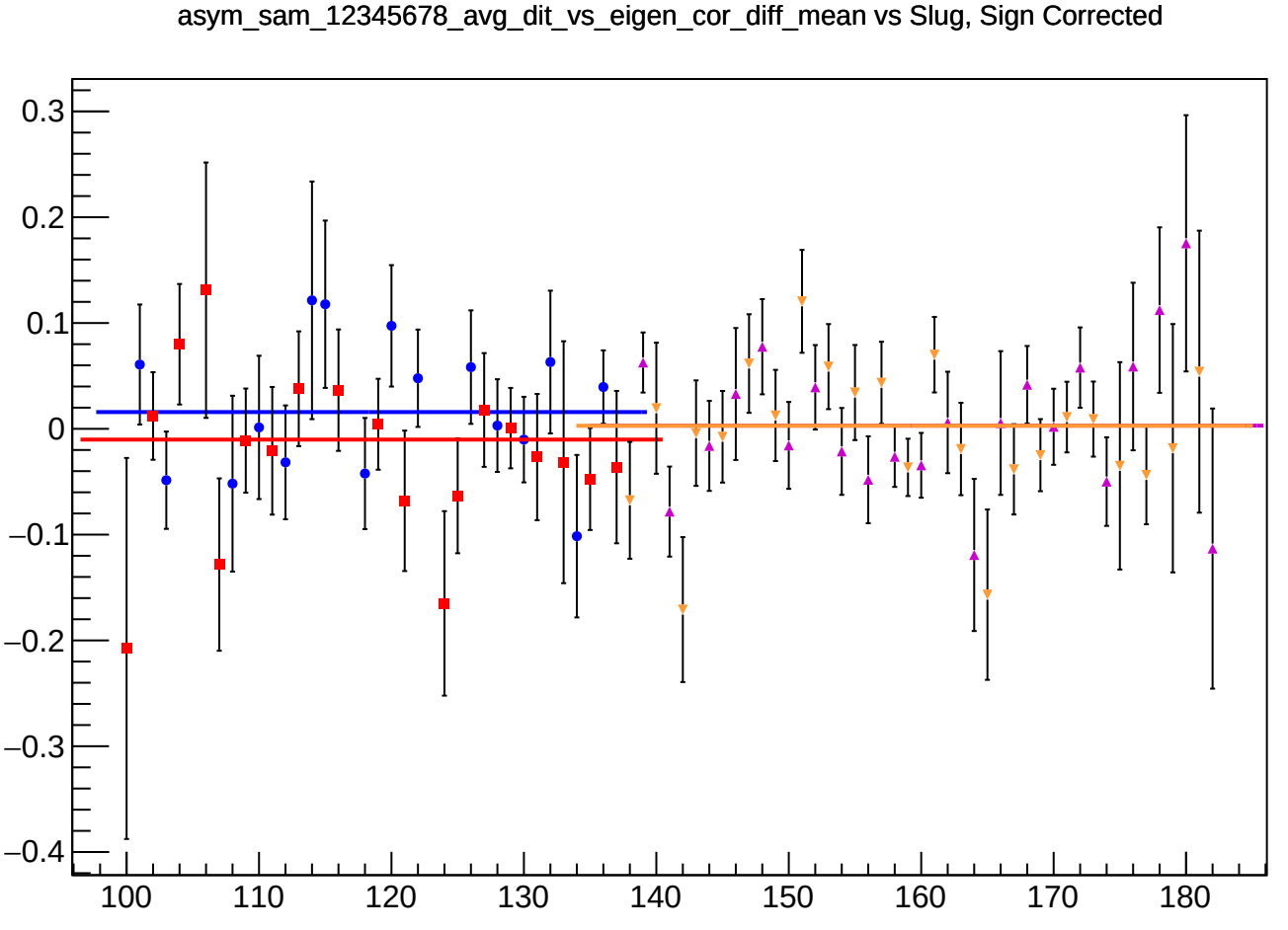
Left: 36.251+/-0.005 χ^2/NDF: 5875131.0/44

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

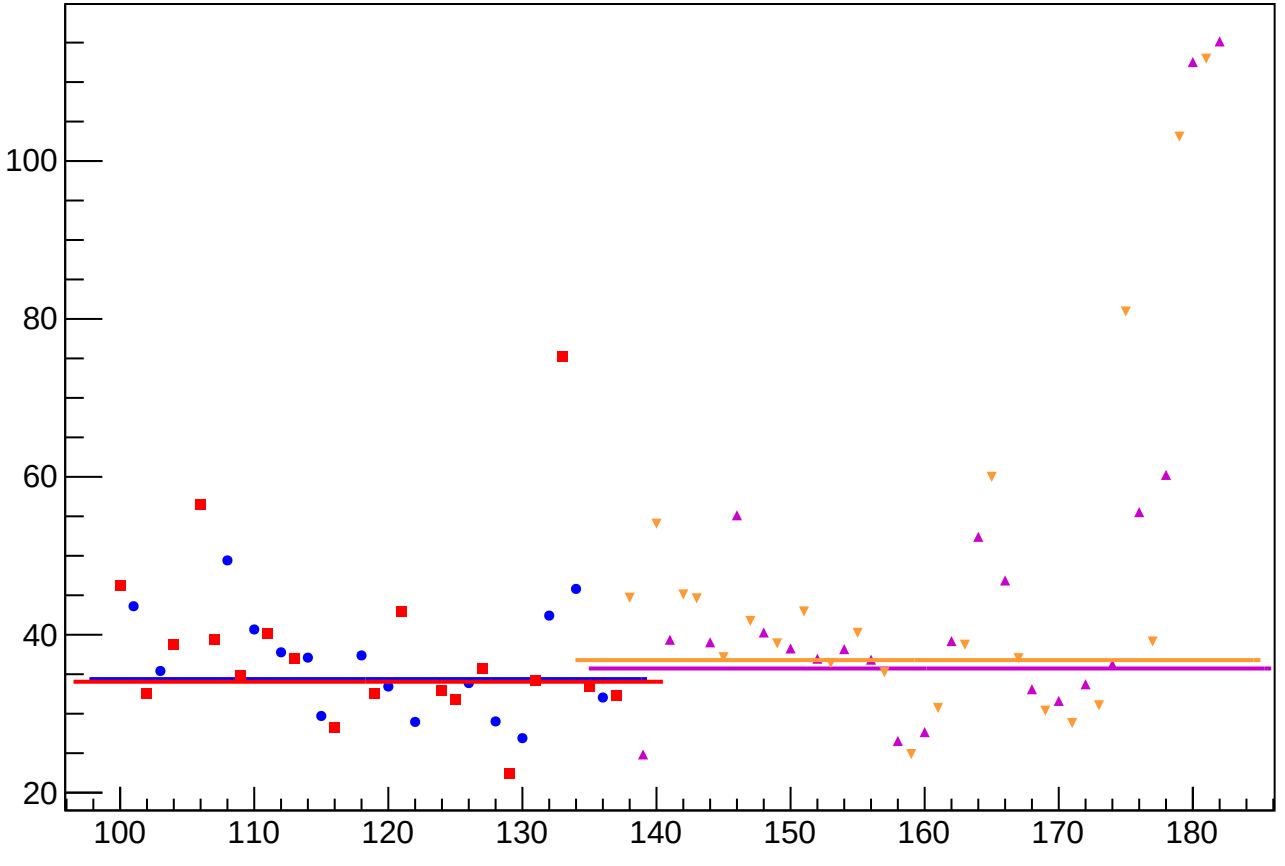
In: 35.297+/-0.005 χ^2/NDF:3340475.7/37

Out: 35.881+/-0.005 χ^2/NDF:3603343.0/41

All: 35.587+/-0.004 χ^2/NDF: 6949738.2/79


asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.003+/-0.009 χ²/NDF:32.1/22
Right Out: -0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.003+/-0.009 χ²/NDF:29.7/21
Left: 0.003+/-0.007 χ²/NDF: 61.7/44
Right: 0.003+/-0.009 χ²/NDF: 31.8/34
In: 0.007+/-0.008 χ²/NDF:45.1/37
Out: -0.001+/-0.008 χ²/NDF:47.9/41
All: 0.003+/-0.005 χ²/NDF: 93.6/79

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: 36.790+/-0.007 χ^2/NDF:2902997.4/22

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.726+/-0.006 χ^2/NDF:2958880.6/21

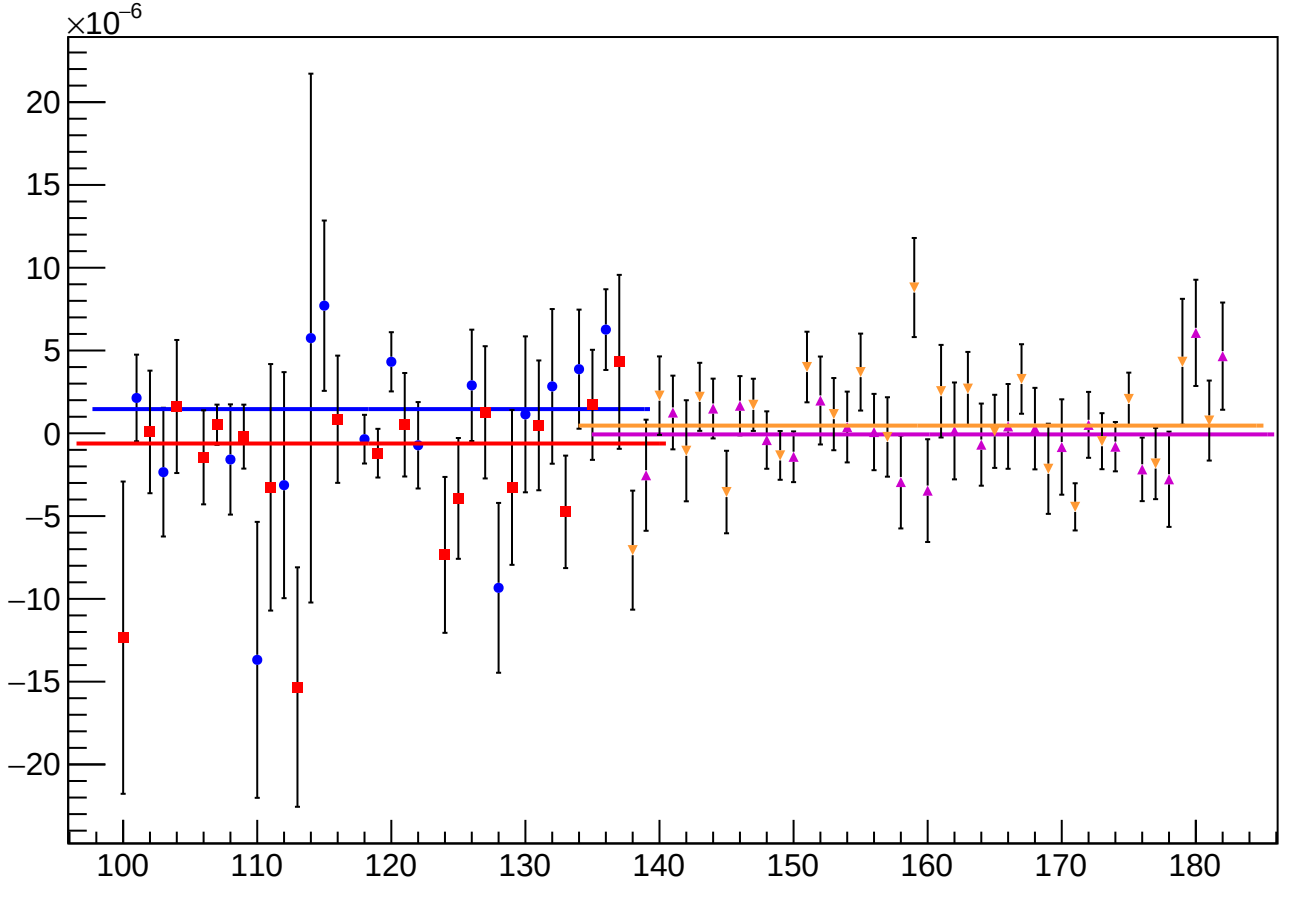
Left: 36.251+/-0.005 χ^2/NDF: 5875131.0/44

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 35.297+/-0.005 χ^2/NDF:3340475.7/37

Out: 35.881+/-0.005 χ^2/NDF:3603343.0/41

All: 35.587+/-0.004 χ^2/NDF: 6949738.2/79



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.9/22

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:14.7/21

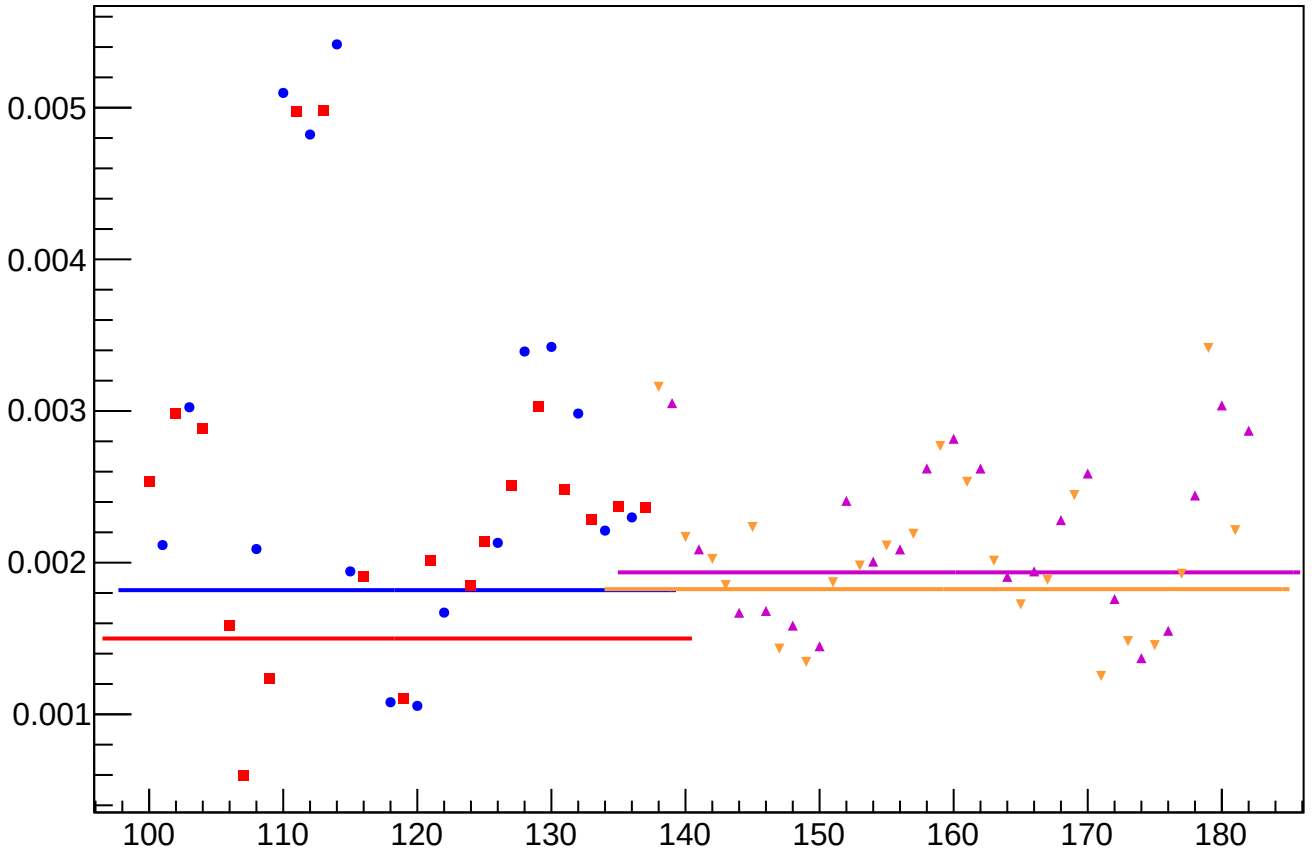
Left: 0.000+/-0.000 χ^2/NDF: 58.3/44

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:38.6/37

Out: 0.000+/-0.000 χ^2/NDF:58.8/41

All: 0.000+/-0.000 χ^2/NDF: 97.6/79



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2174019.8/22

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:2052901.7/21

Left: 0.002+/-0.000 χ^2/NDF: 4285163.9/44

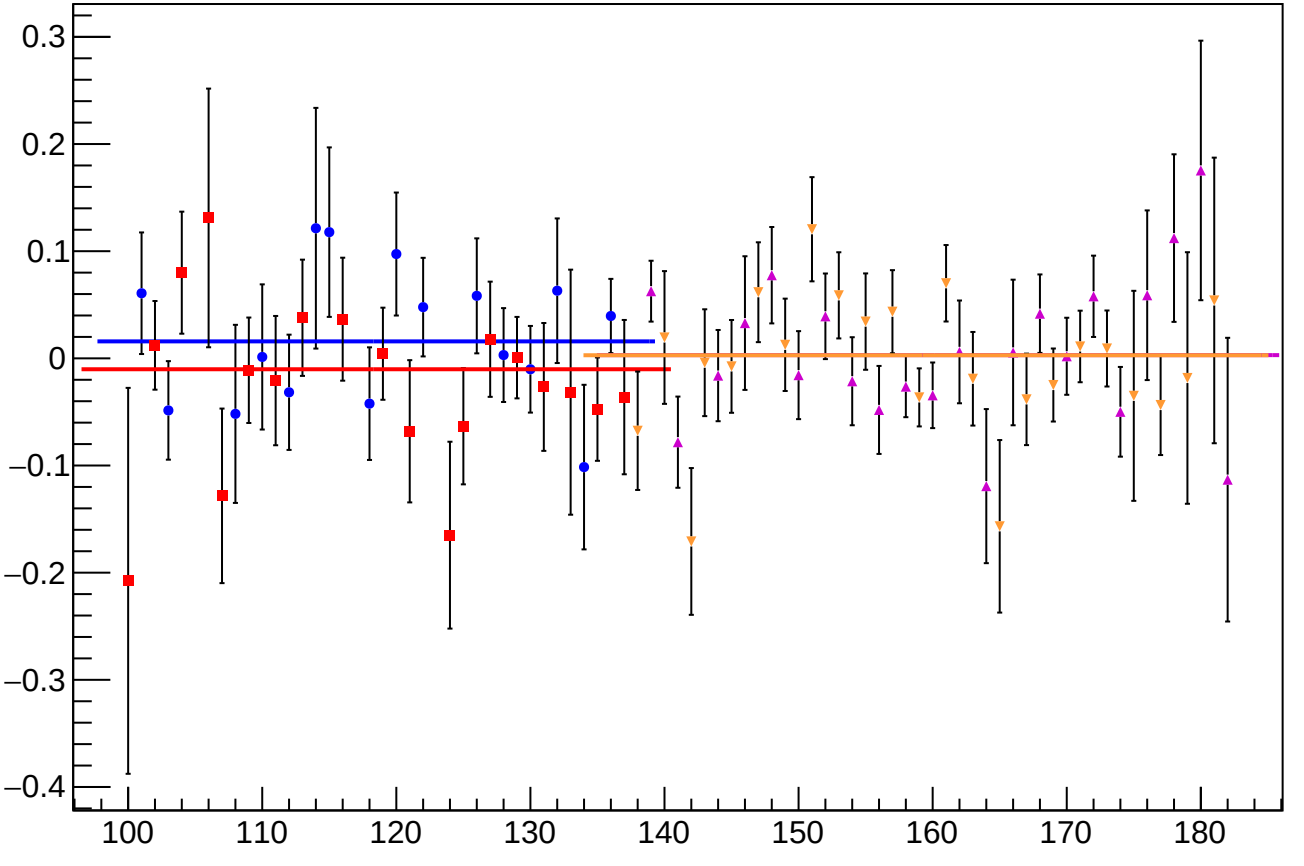
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:4657894.5/37

Out: 0.002+/-0.000 χ^2/NDF:6209059.5/41

All: 0.002+/-0.000 χ^2/NDF: 11090040.0/79

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: 0.003+/-0.009 χ^2/NDF:32.1/22

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.009 χ^2/NDF:29.7/21

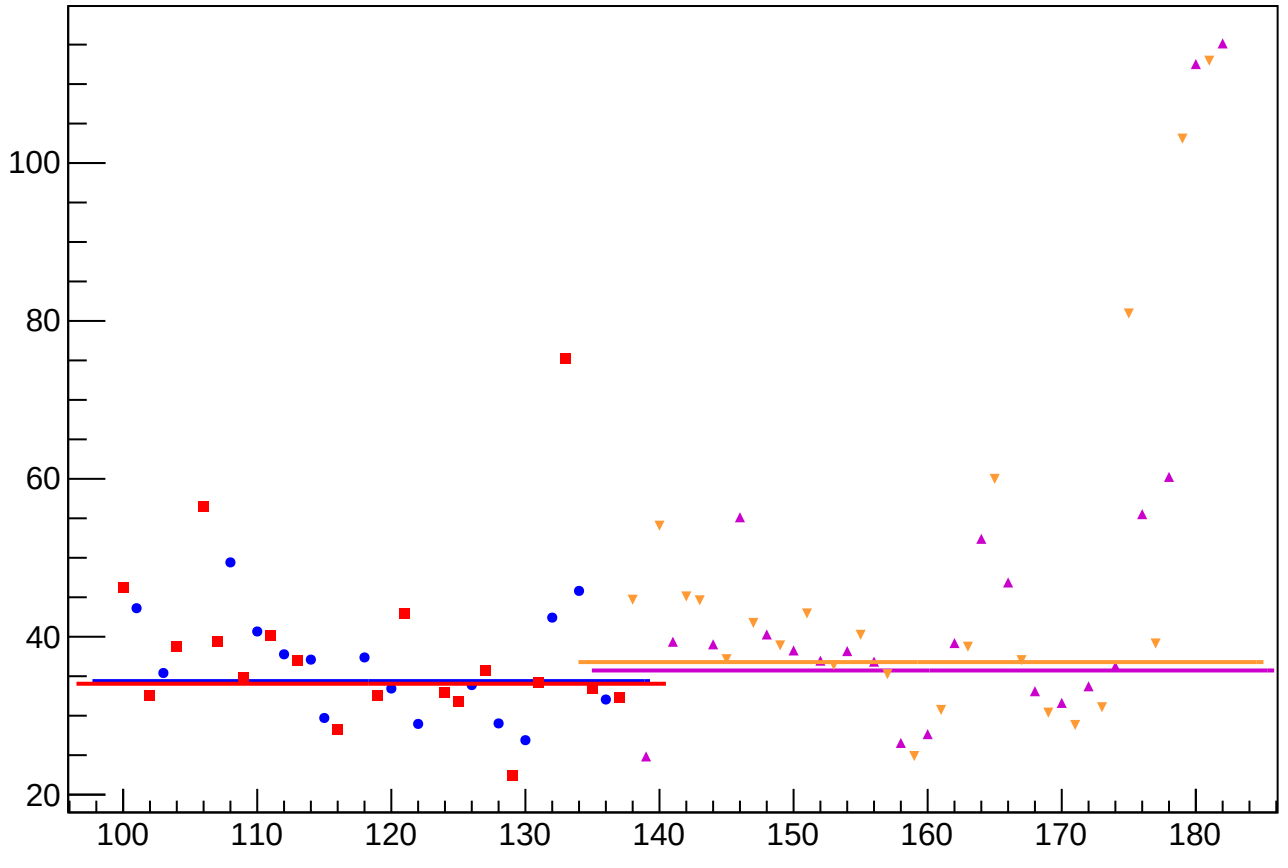
Left: 0.003+/-0.007 χ^2/NDF: 61.7/44

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:45.1/37

Out: -0.001+/-0.008 χ^2/NDF:47.8/41

All: 0.003+/-0.005 χ^2/NDF: 93.6/79



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.790+/-0.007 χ^2/NDF:2903053.6/22

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.727+/-0.006 χ^2/NDF:2958898.4/21

Left: 36.251+/-0.005 χ^2/NDF: 5875202.2/44

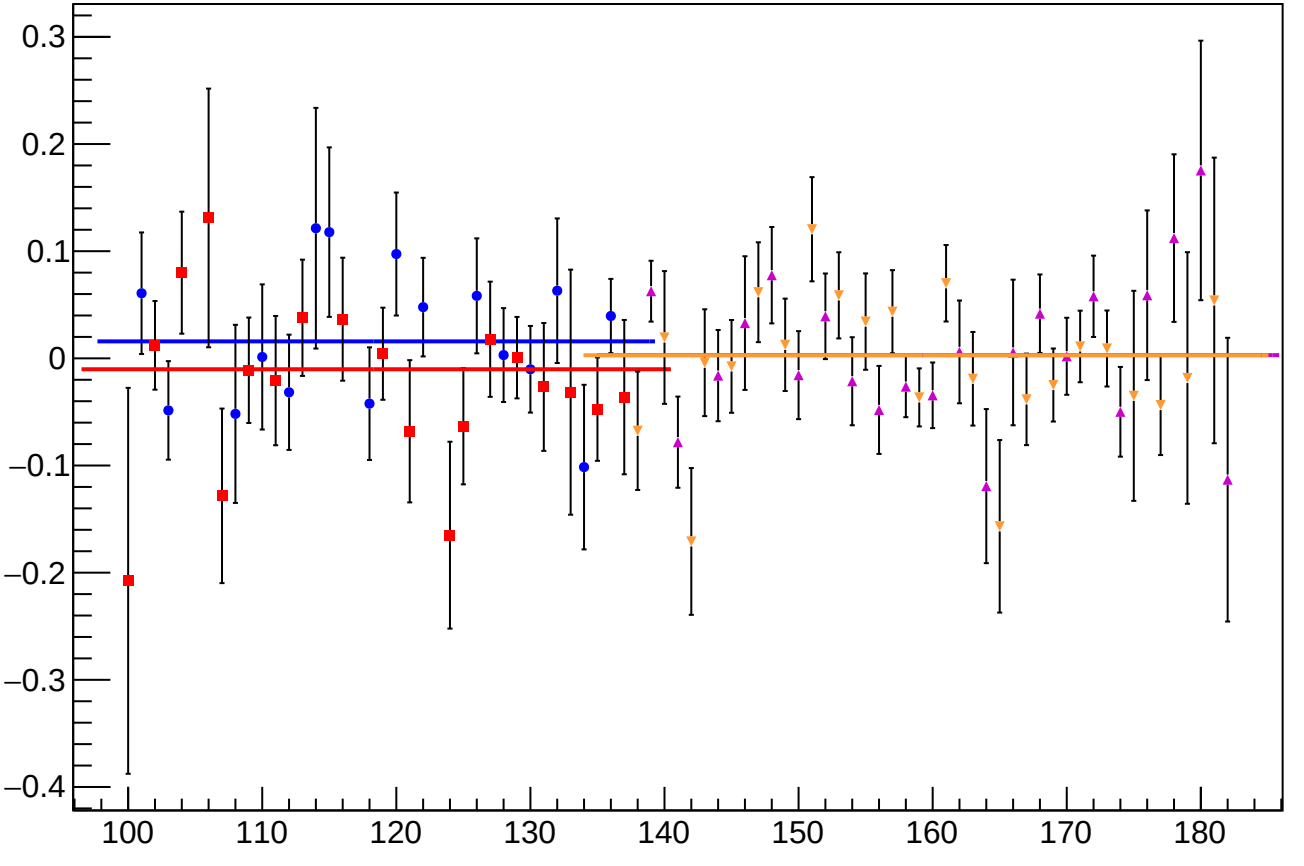
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 35.297+/-0.005 χ^2/NDF:3340572.5/37

Out: 35.881+/-0.005 χ^2/NDF:3603474.5/41

All: 35.587+/-0.004 χ^2/NDF: 6949966.2/79

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: 0.003+/-0.009 χ^2/NDF:32.1/22

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.009 χ^2/NDF:29.7/21

Left: 0.003+/-0.007 χ^2/NDF: 61.7/44

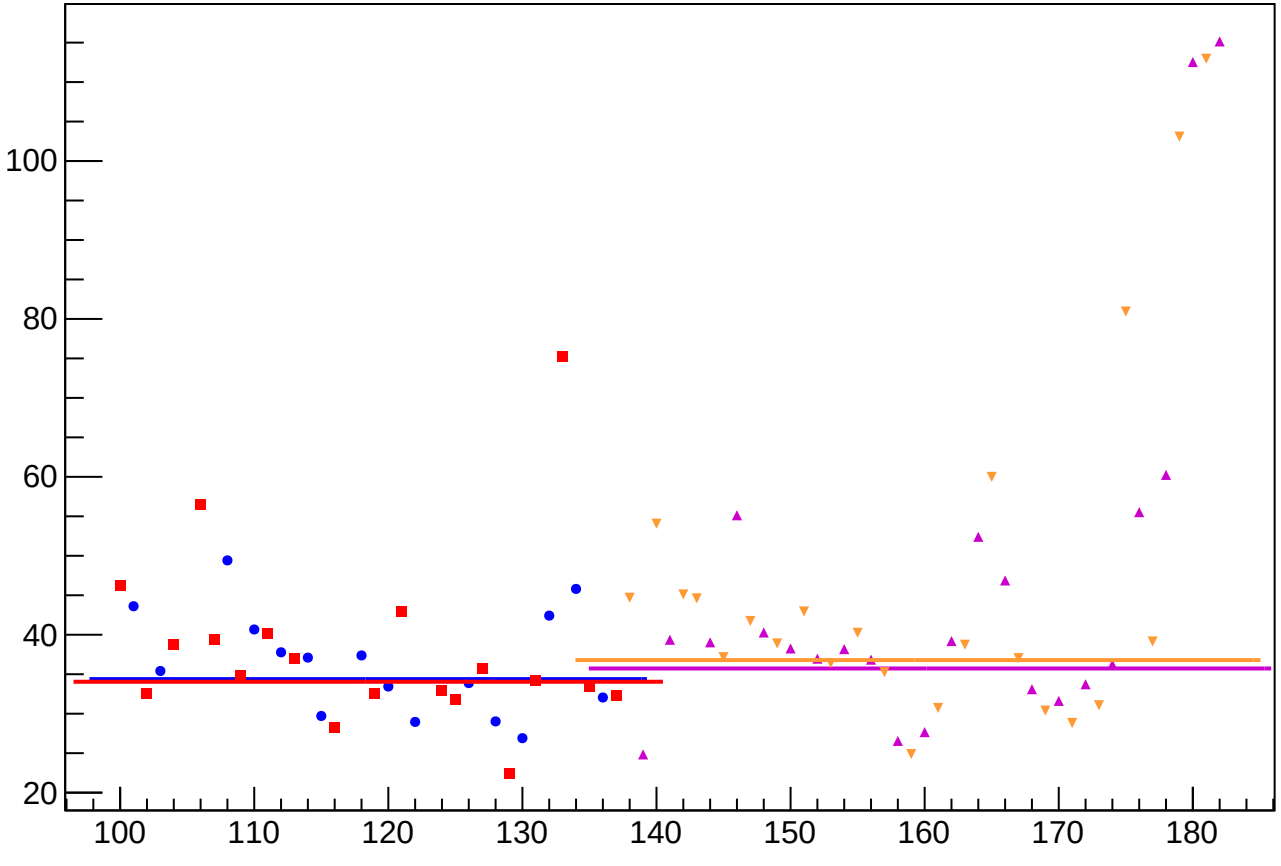
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:45.1/37

Out: -0.001+/-0.008 χ^2/NDF:47.8/41

All: 0.003+/-0.005 χ^2/NDF: 93.6/79

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: 36.790+/-0.007 χ^2/NDF:2903053.6/22

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.727+/-0.006 χ^2/NDF:2958898.4/21

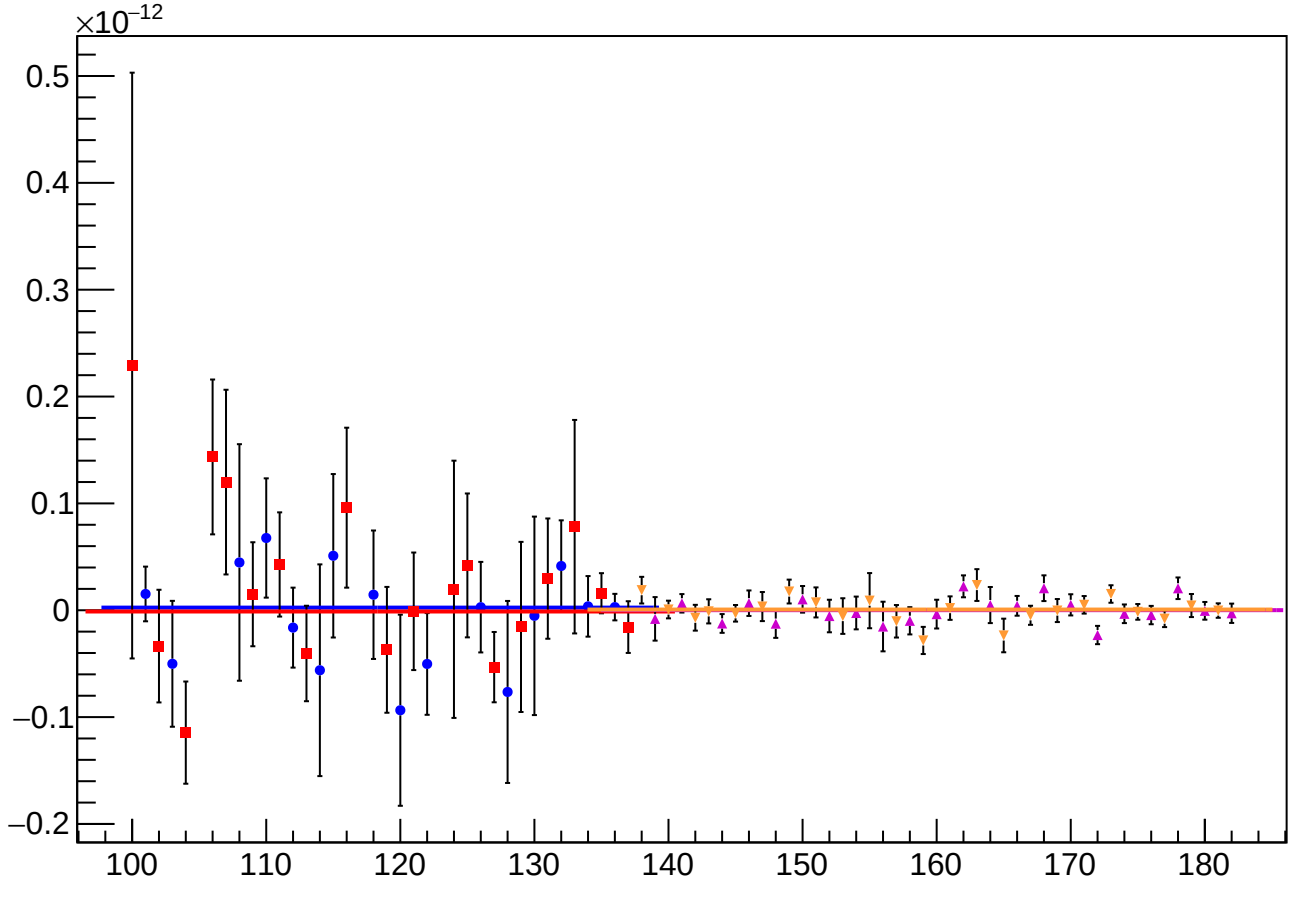
Left: 36.251+/-0.005 χ^2/NDF: 5875202.2/44

Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 35.297+/-0.005 χ^2/NDF:3340572.5/37

Out: 35.881+/-0.005 χ^2/NDF:3603474.5/41

All: 35.587+/-0.004 χ^2/NDF: 6949966.2/79



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/22

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:26.1/21

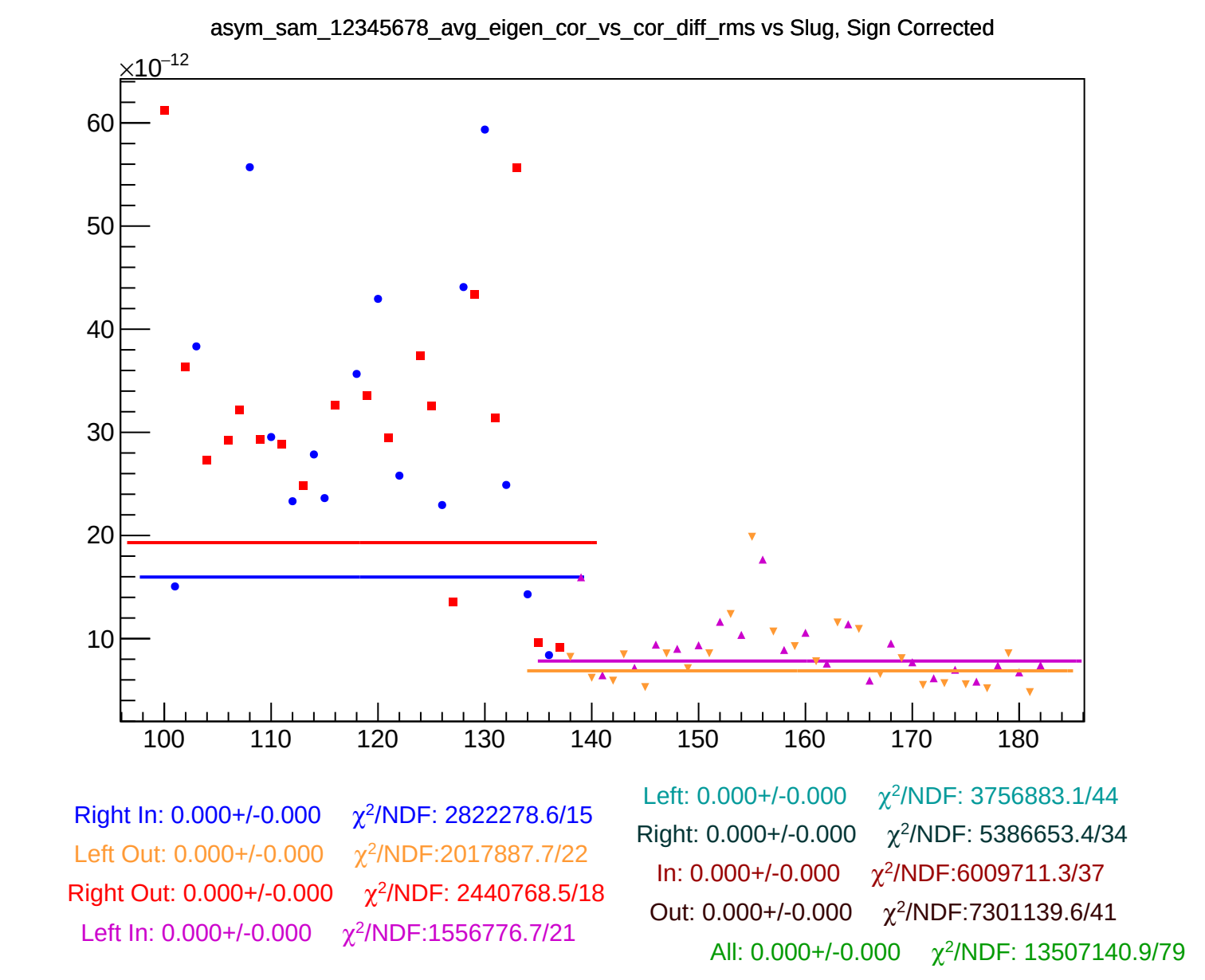
Left: 0.000+/-0.000 χ^2/NDF: 47.3/44

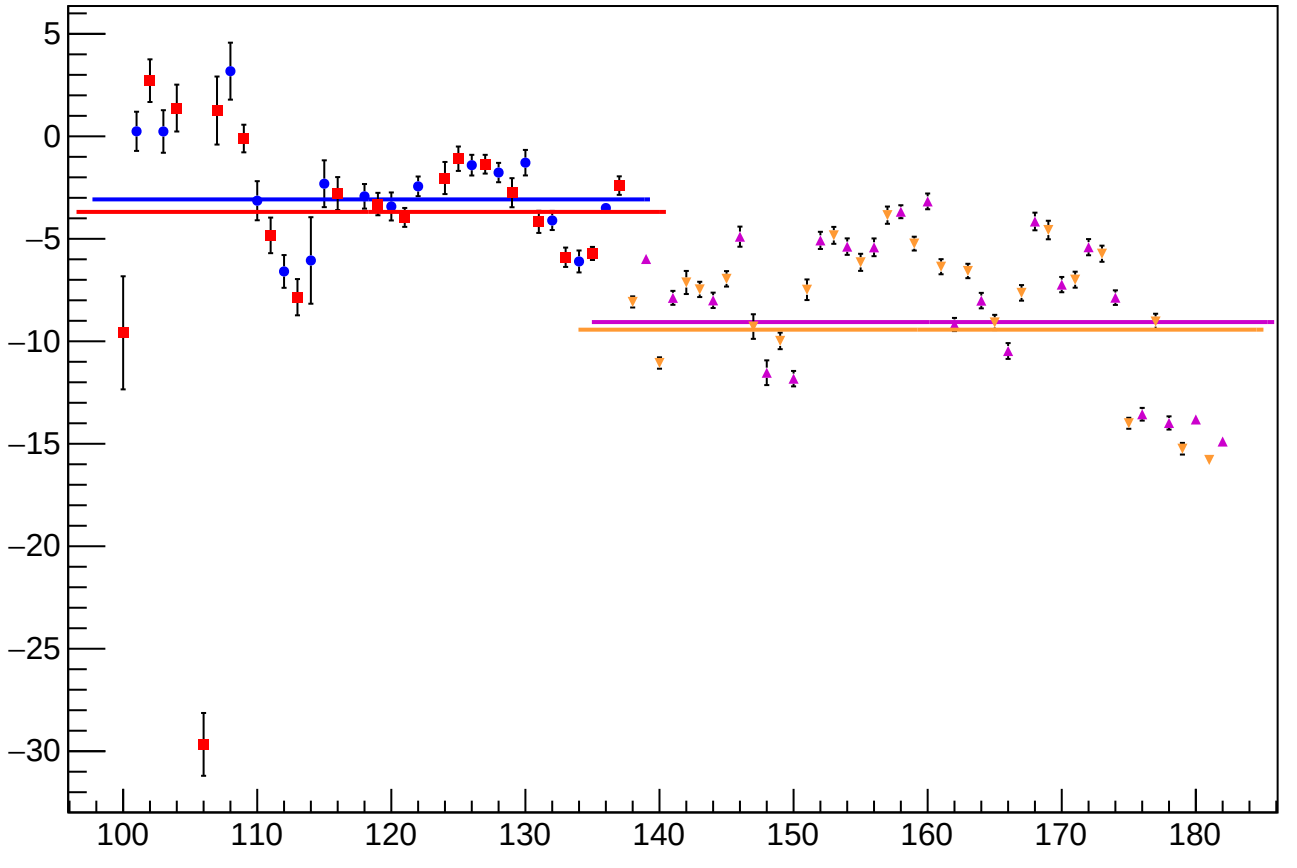
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: 0.000+/-0.000 χ^2/NDF:33.8/37

Out: 0.000+/-0.000 χ^2/NDF:42.8/41

All: 0.000+/-0.000 χ^2/NDF: 76.6/79


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2017887.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:1556776.7/21
Left: 0.000+/-0.000 χ²/NDF: 3756883.1/44
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:6009711.3/37
Out: 0.000+/-0.000 χ²/NDF:7301139.6/41
All: 0.000+/-0.000 χ²/NDF: 13507140.9/79



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -9.433+/-0.073 χ^2/NDF:2726.9/22

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -9.062+/-0.073 χ^2/NDF:2869.6/21

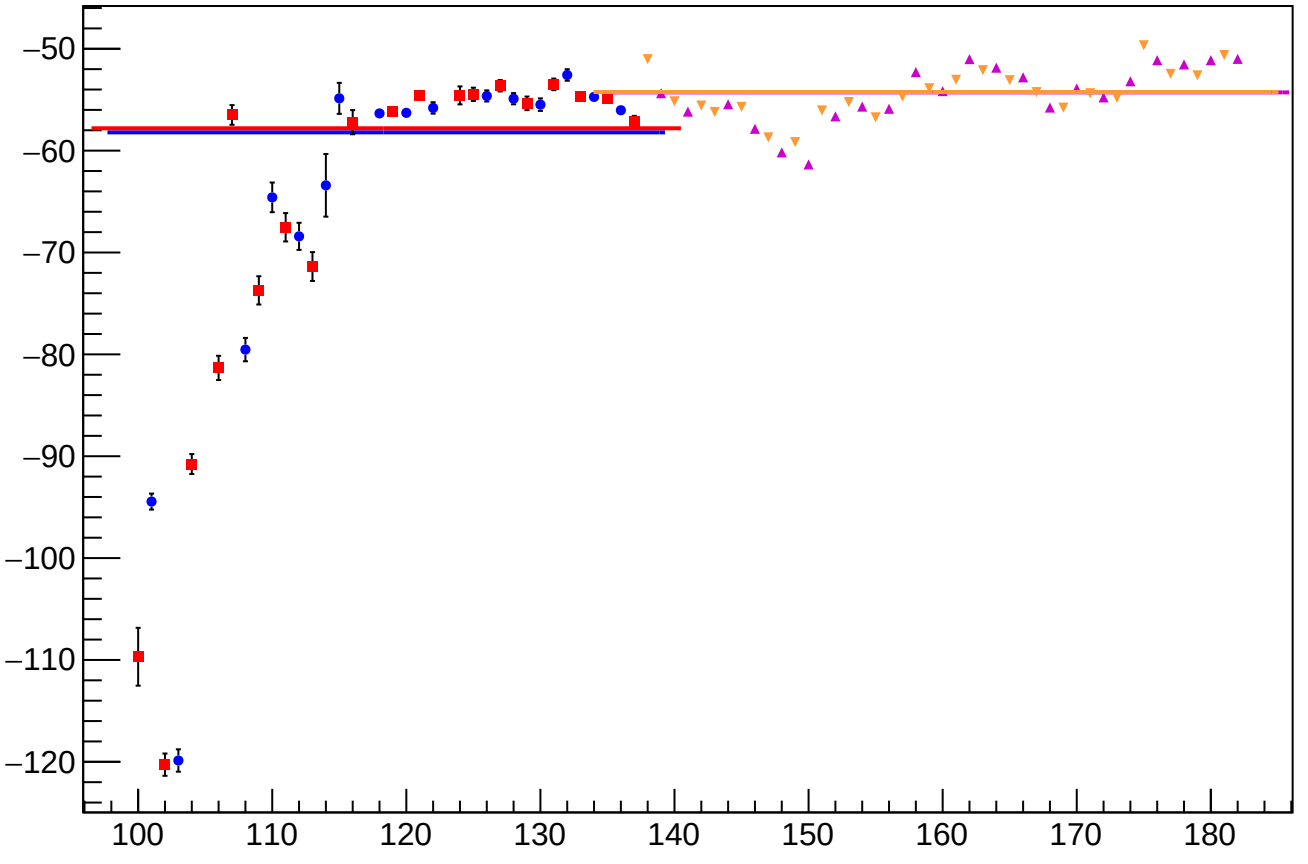
Left: -9.247+/-0.052 χ^2/NDF: 5609.4/44

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -7.713+/-0.064 χ^2/NDF:4520.7/37

Out: -8.202+/-0.065 χ^2/NDF:4581.6/41

All: -7.955+/-0.046 χ^2/NDF: 9131.0/79



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.243+/-0.058 χ^2/NDF:1730.9/22

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -54.282+/-0.059 χ^2/NDF:2482.5/21

Left: -54.262+/-0.041 χ^2/NDF: 4213.6/44

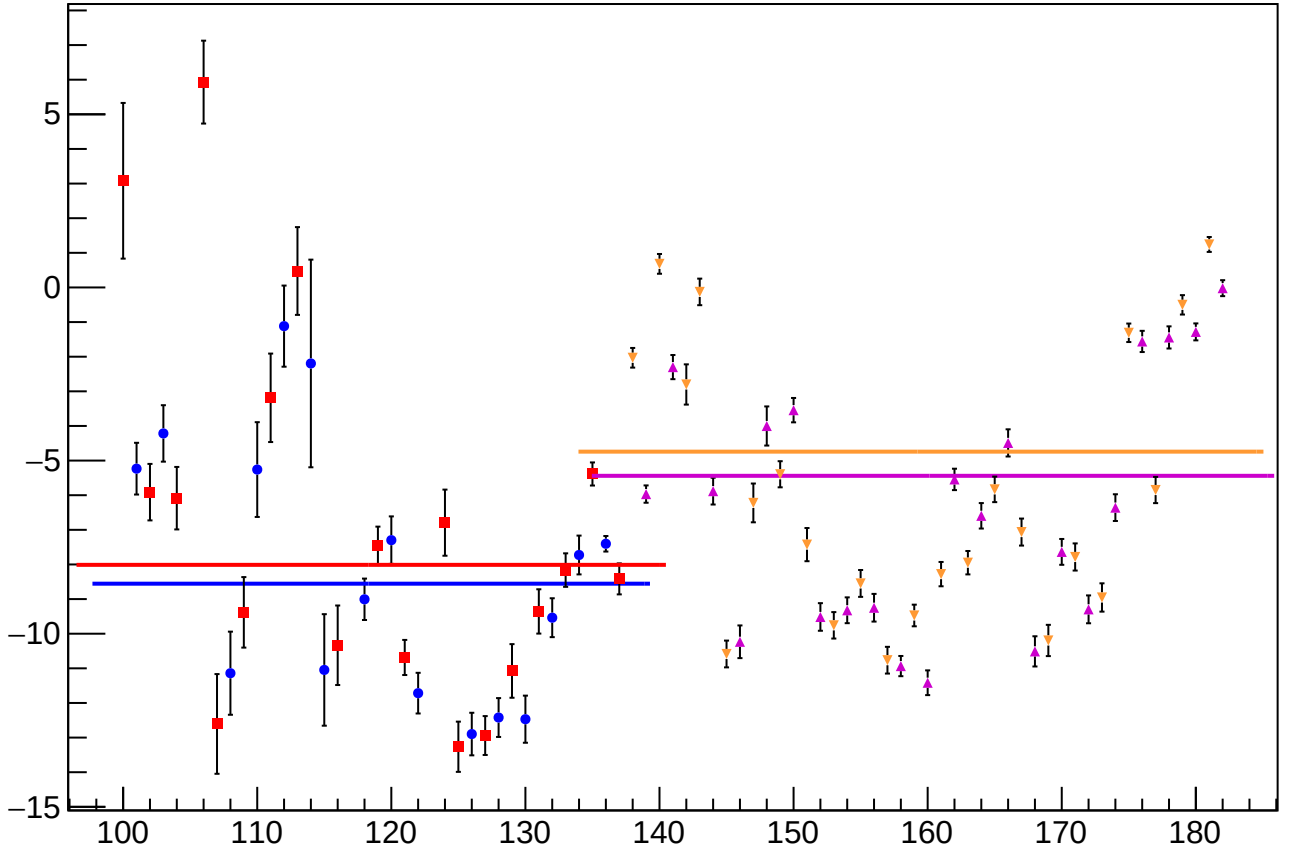
Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -54.908+/-0.054 χ^2/NDF:9312.8/37

Out: -54.771+/-0.053 χ^2/NDF:8086.8/41

All: -54.838+/-0.038 χ^2/NDF: 17402.9/79

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -4.742+/-0.073 χ^2/NDF:3340.1/22

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -5.440+/-0.072 χ^2/NDF:2605.1/21

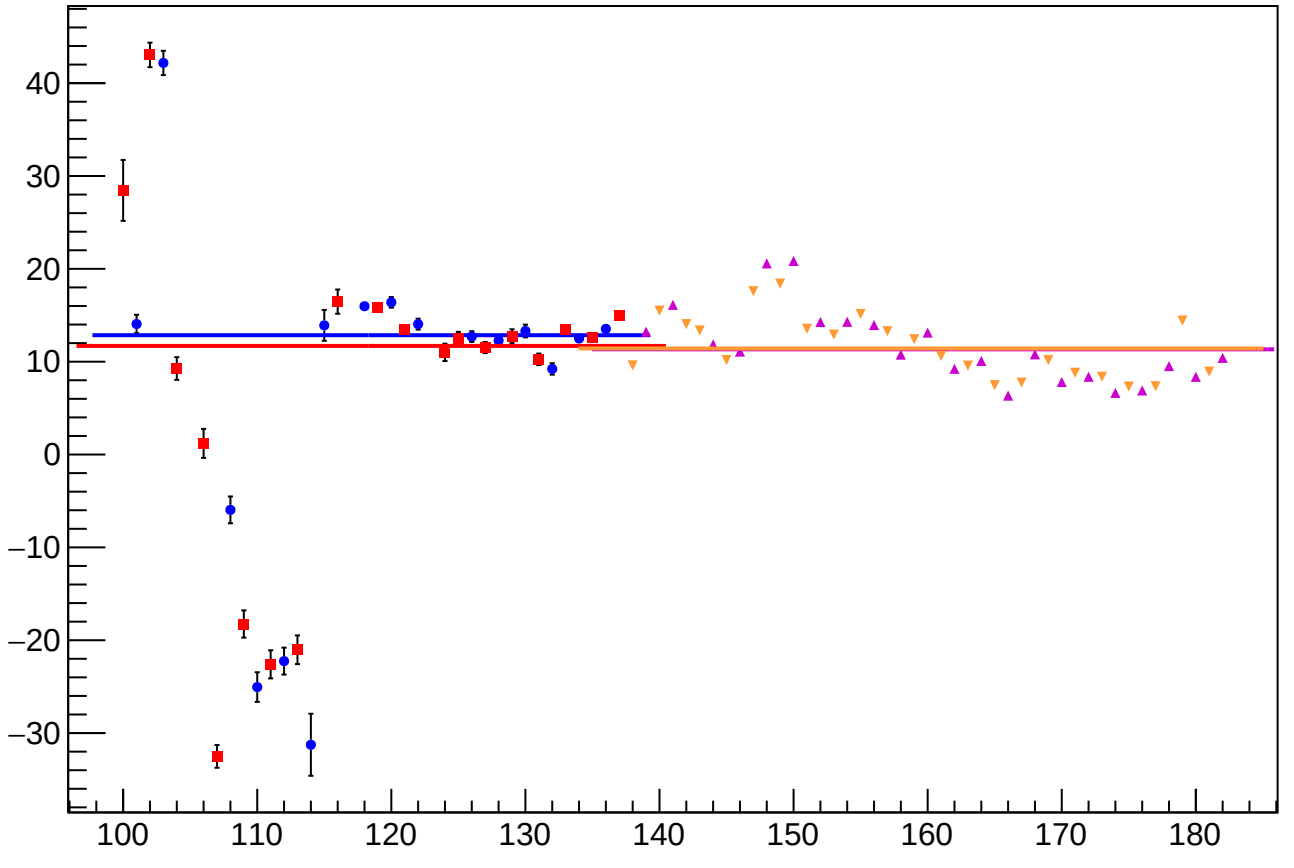
Left: -5.093+/-0.051 χ^2/NDF: 5991.7/44

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -6.061+/-0.065 χ^2/NDF:3276.8/37

Out: -5.344+/-0.066 χ^2/NDF:4202.3/41

All: -5.708+/-0.046 χ^2/NDF: 7539.8/79



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.423+/-0.064 χ^2/NDF:2424.3/22

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 11.330+/-0.065 χ^2/NDF:3252.2/21

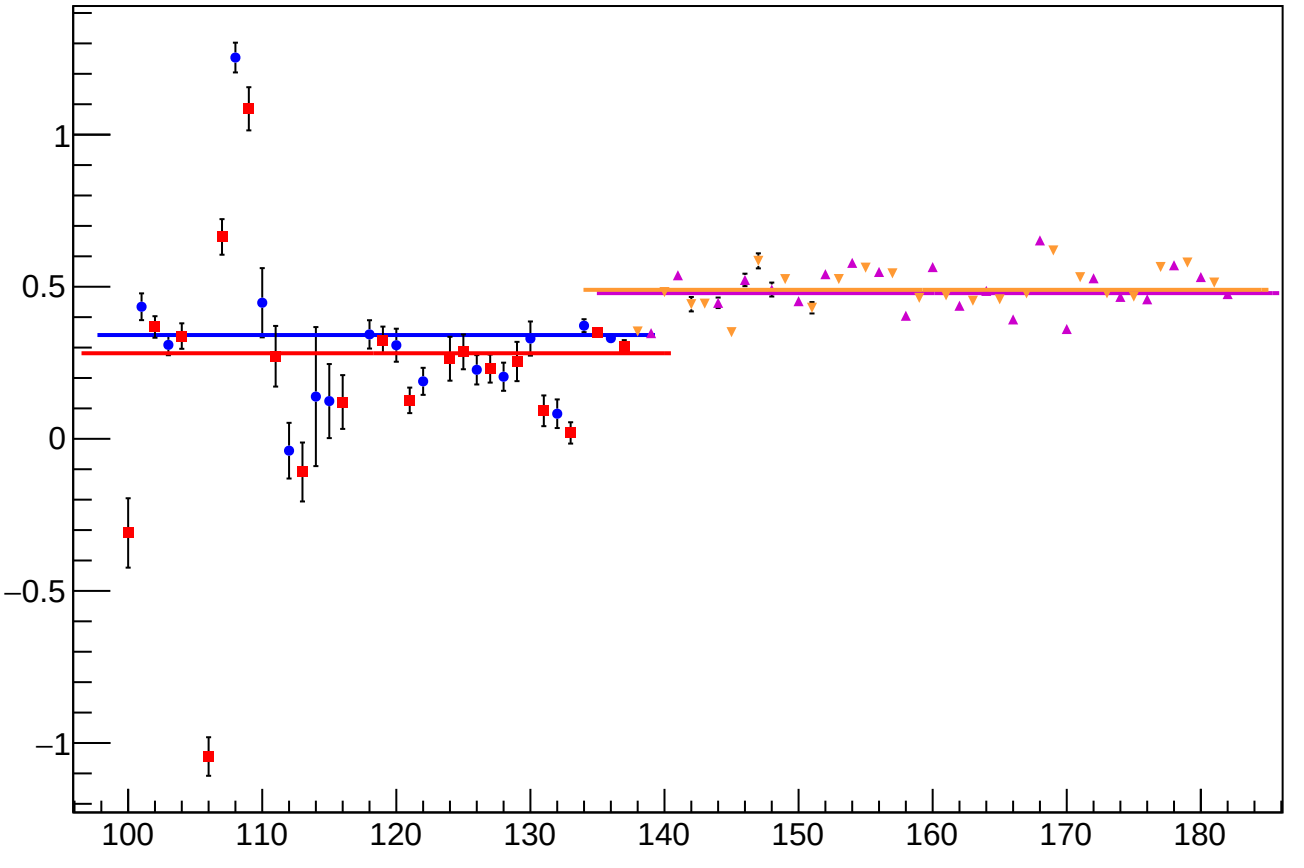
Left: 11.377+/-0.046 χ^2/NDF: 5677.6/44

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 11.571+/-0.060 χ^2/NDF:5467.1/37

Out: 11.463+/-0.059 χ^2/NDF:5925.8/41

All: 11.517+/-0.042 χ^2/NDF: 11394.5/79



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.490+/-0.003 χ^2/NDF:528.9/22

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.479+/-0.003 χ^2/NDF:795.7/21

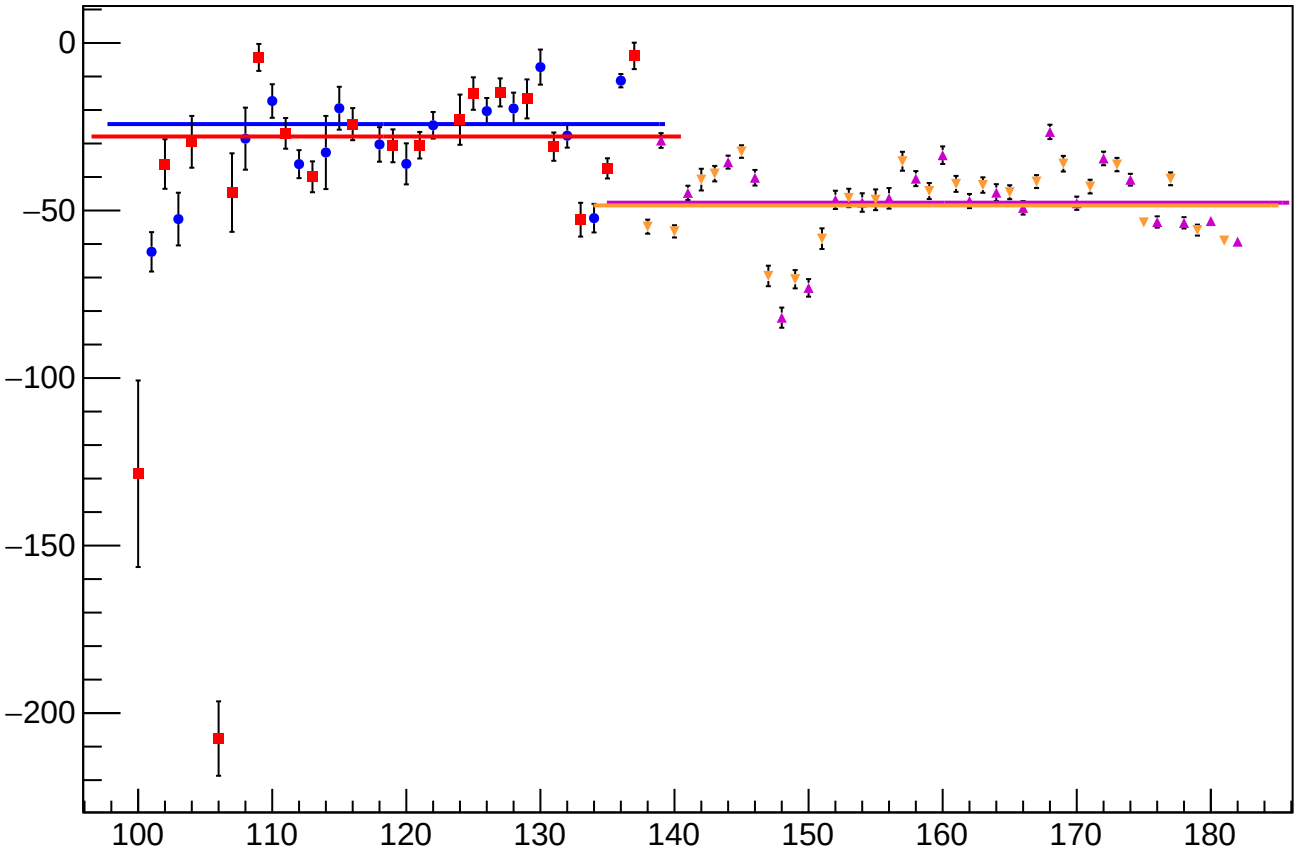
Left: 0.484+/-0.002 χ^2/NDF: 1332.0/44

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.464+/-0.003 χ^2/NDF:1502.6/37

Out: 0.469+/-0.003 χ^2/NDF:1851.3/41

All: 0.466+/-0.002 χ^2/NDF: 3355.8/79



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -48.481+/-0.429 χ^2/NDF:518.5/22

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -47.661+/-0.426 χ^2/NDF:678.5/21

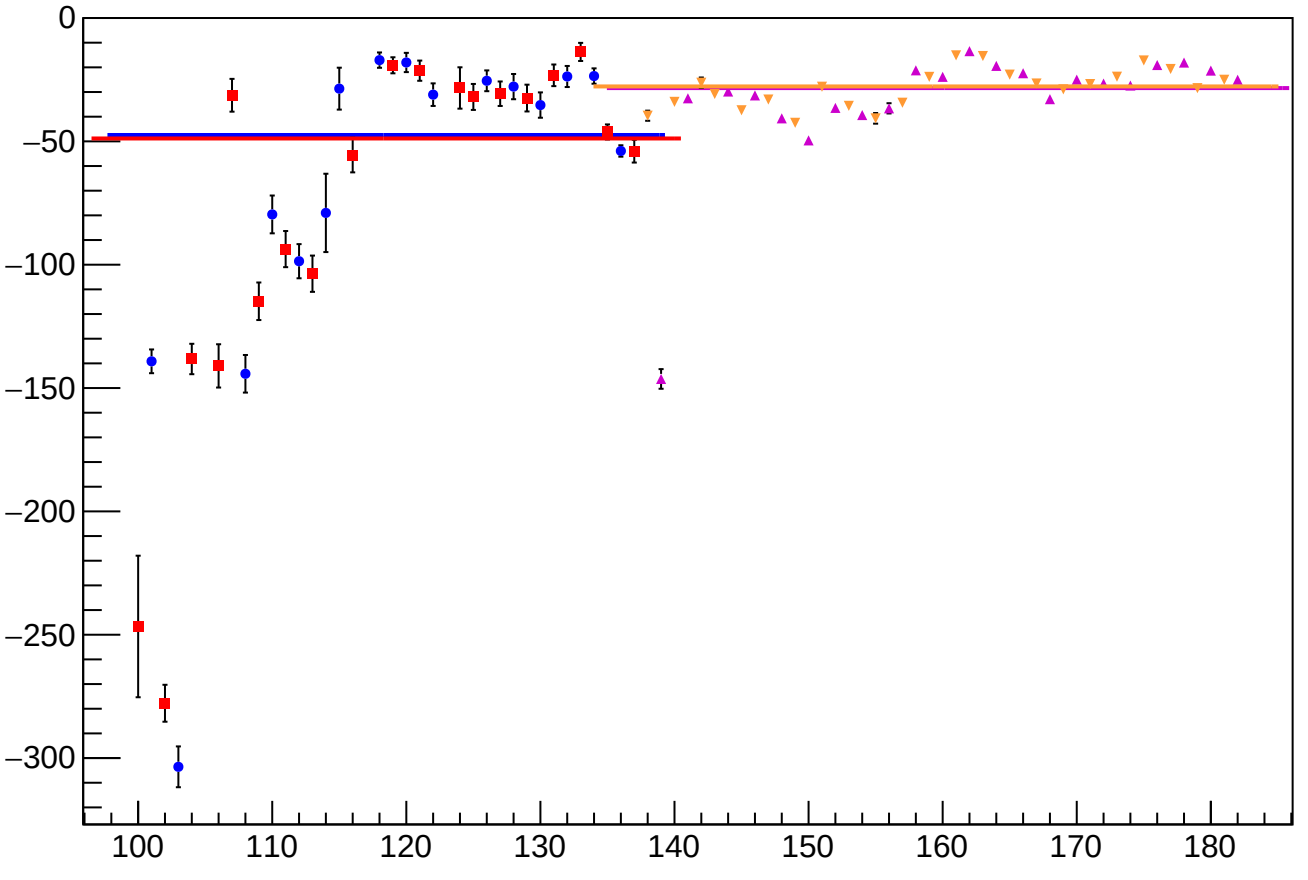
Left: -48.069+/-0.302 χ^2/NDF: 1198.8/44

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -44.532+/-0.397 χ^2/NDF:1253.2/37

Out: -45.921+/-0.401 χ^2/NDF:1218.6/41

All: -45.219+/-0.282 χ^2/NDF: 2477.9/79



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -27.736+/-0.335 χ^2/NDF:468.1/22

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -28.405+/-0.338 χ^2/NDF:1468.3/21

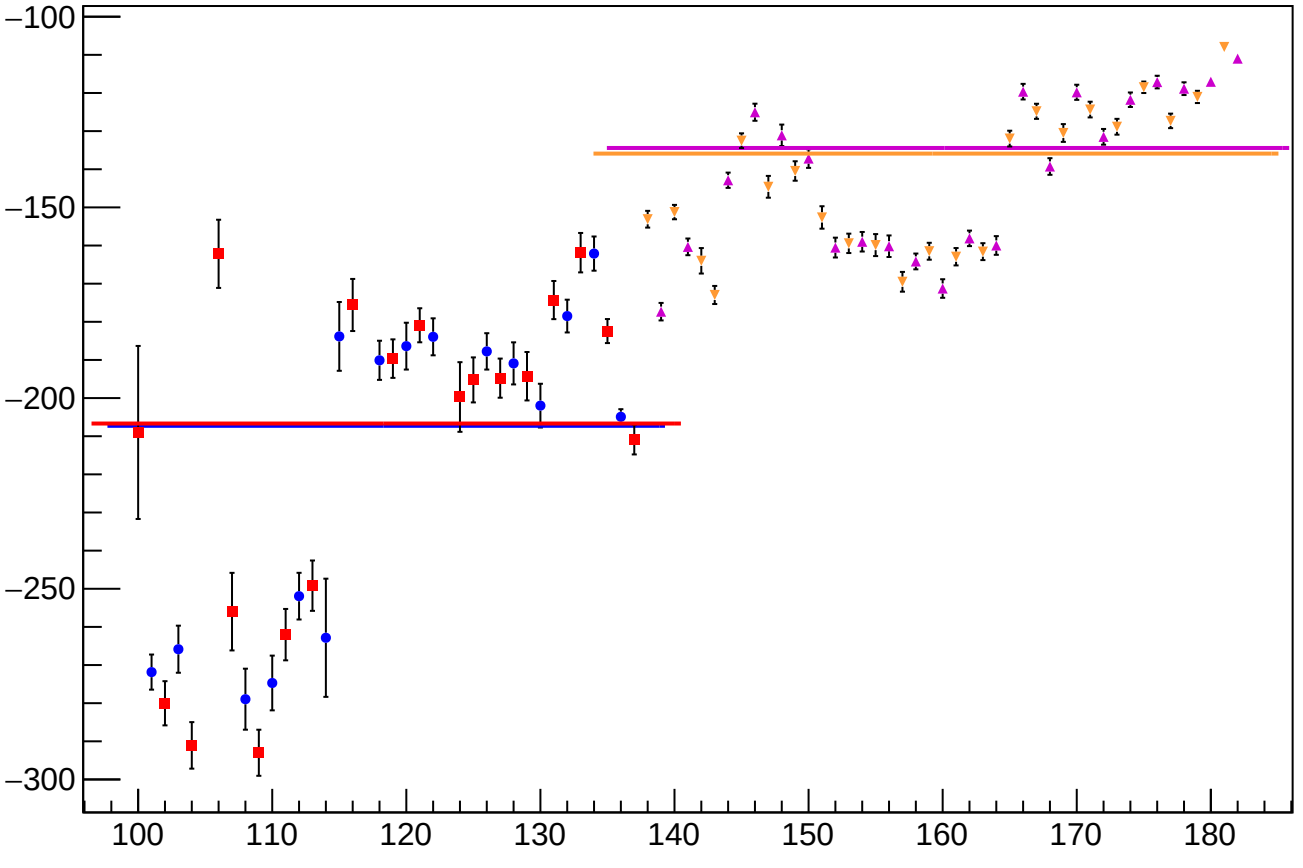
Left: -28.068+/-0.238 χ^2/NDF: 1938.4/44

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -30.042+/-0.323 χ^2/NDF:3614.5/37

Out: -29.303+/-0.322 χ^2/NDF:2537.4/41

All: -29.672+/-0.228 χ^2/NDF: 6154.5/79



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -135.894+/-0.427 χ^2/NDF:2161.8/22

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -134.418+/-0.424 χ^2/NDF:2372.4/21

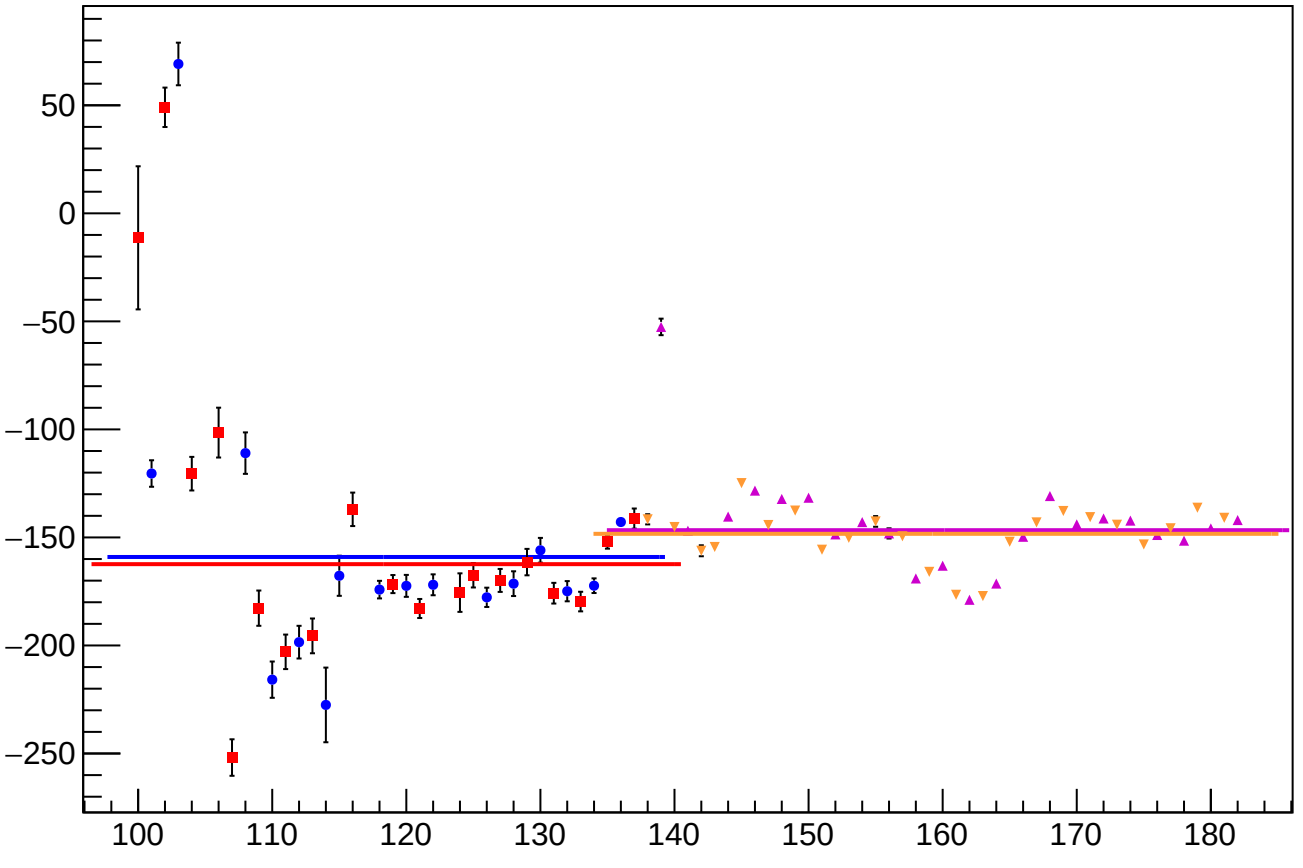
Left: -135.150+/-0.301 χ^2/NDF: 4540.1/44

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -142.774+/-0.399 χ^2/NDF:6504.5/37

Out: -143.000+/-0.405 χ^2/NDF:5884.2/41

All: -142.885+/-0.284 χ^2/NDF: 12388.9/79



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -148.331+/-0.375 χ^2/NDF:1101.4/22

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -146.649+/-0.376 χ^2/NDF:1734.9/21

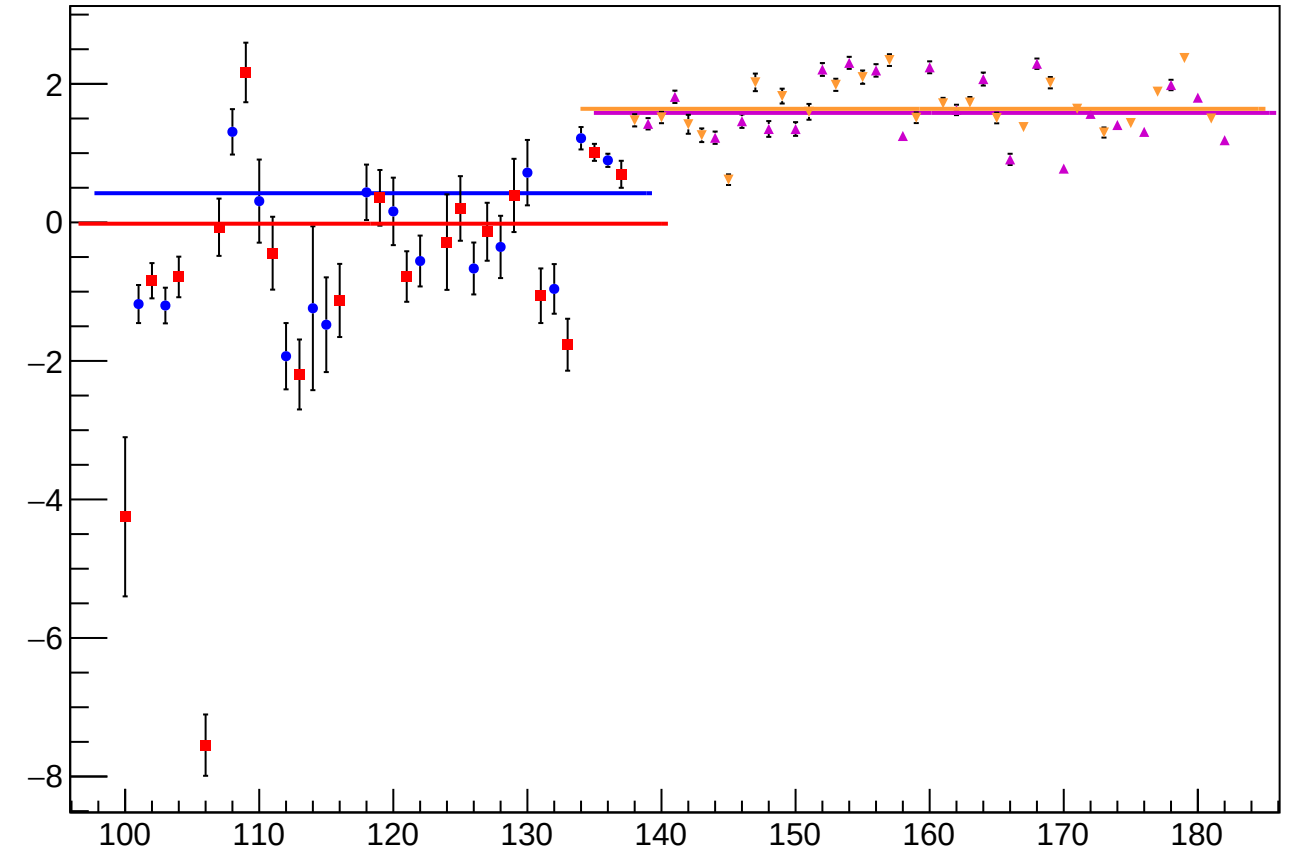
Left: -147.491+/-0.266 χ^2/NDF: 2846.4/44

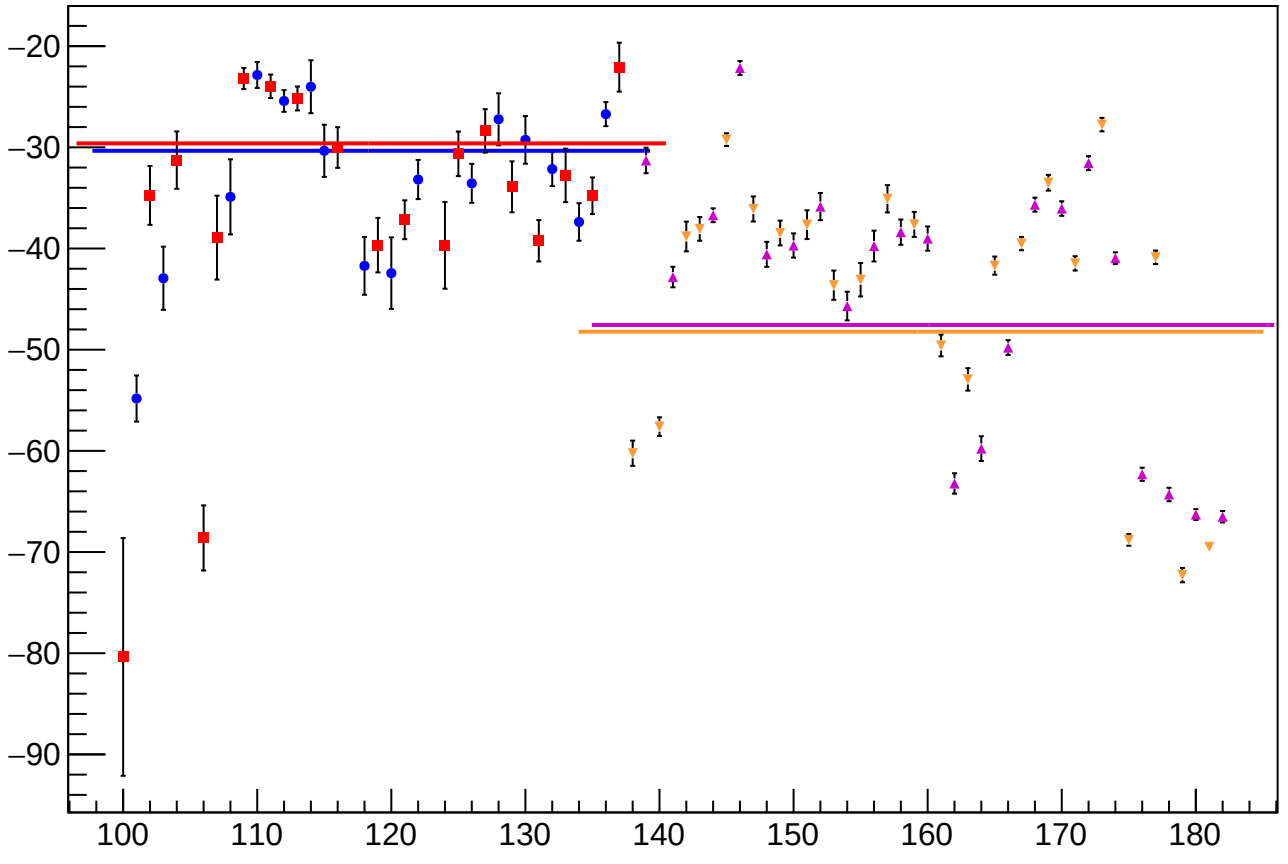
Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -147.715+/-0.359 χ^2/NDF:2644.3/37

Out: -149.376+/-0.361 χ^2/NDF:2078.0/41

All: -148.541+/-0.255 χ^2/NDF: 4732.9/79


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
Right In: 0.421+/-0.065 χ²/NDF: 197.6/15
Left Out: 1.640+/-0.017 χ²/NDF:519.4/22
Right Out: -0.019+/-0.072 χ²/NDF: 488.2/18
Left In: 1.581+/-0.017 χ²/NDF:712.5/21
Left: 1.610+/-0.012 χ²/NDF: 1238.2/44
Right: 0.225+/-0.048 χ²/NDF: 706.4/34
In: 1.509+/-0.016 χ²/NDF:1210.4/37
Out: 1.554+/-0.016 χ²/NDF:1506.7/41
All: 1.531+/-0.012 χ²/NDF: 2720.9/79



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -48.224+/-0.177 χ^2/NDF:7775.2/22

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

Left In: -47.562+/-0.172 χ^2/NDF:7124.4/21

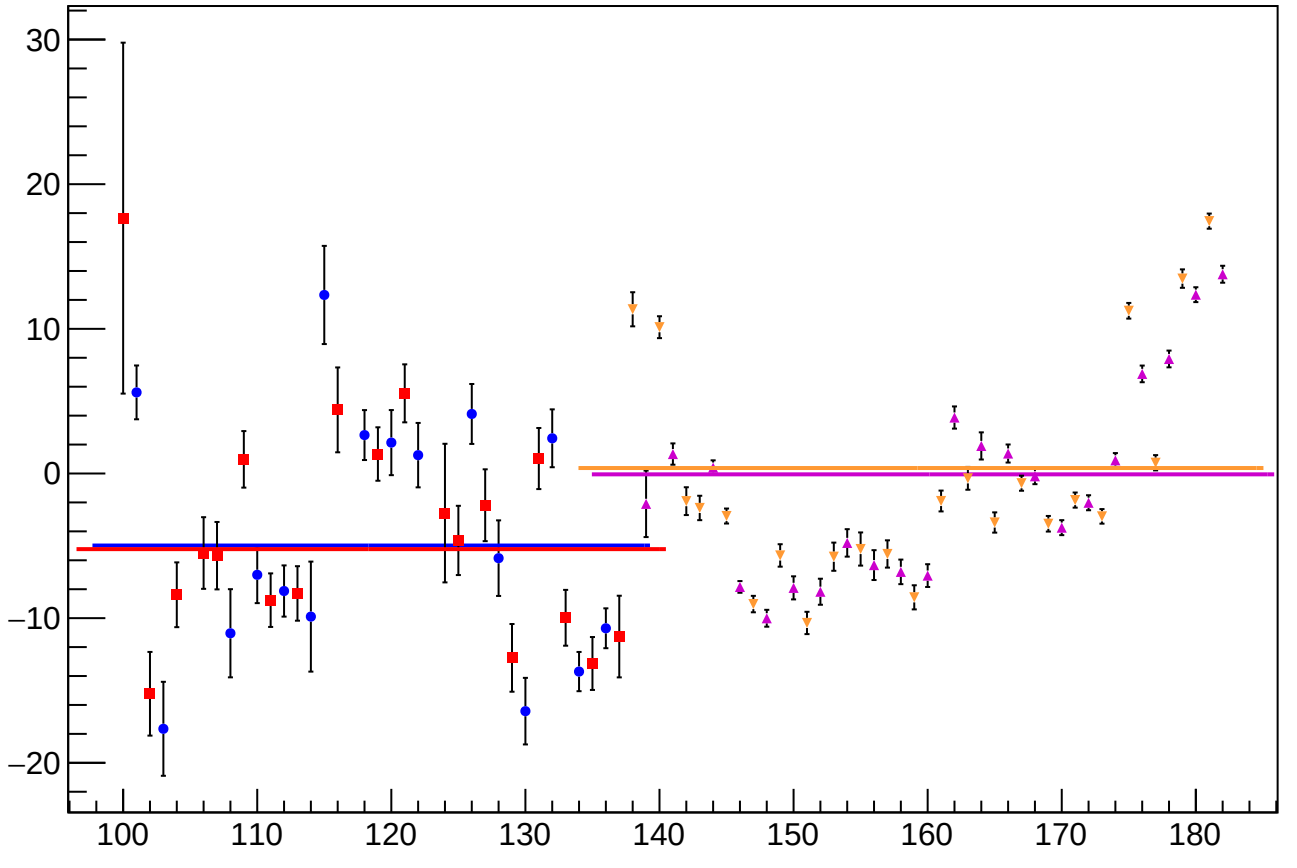
Left: -47.884+/-0.123 χ^2/NDF: 14906.9/44

Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

In: -45.512+/-0.161 χ^2/NDF:8571.6/37

Out: -45.746+/-0.164 χ^2/NDF:9584.2/41

All: -45.627+/-0.115 χ^2/NDF: 18156.8/79



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: 0.378+/-0.137 χ^2/NDF:3100.0/22

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -0.058+/-0.134 χ^2/NDF:2629.9/21

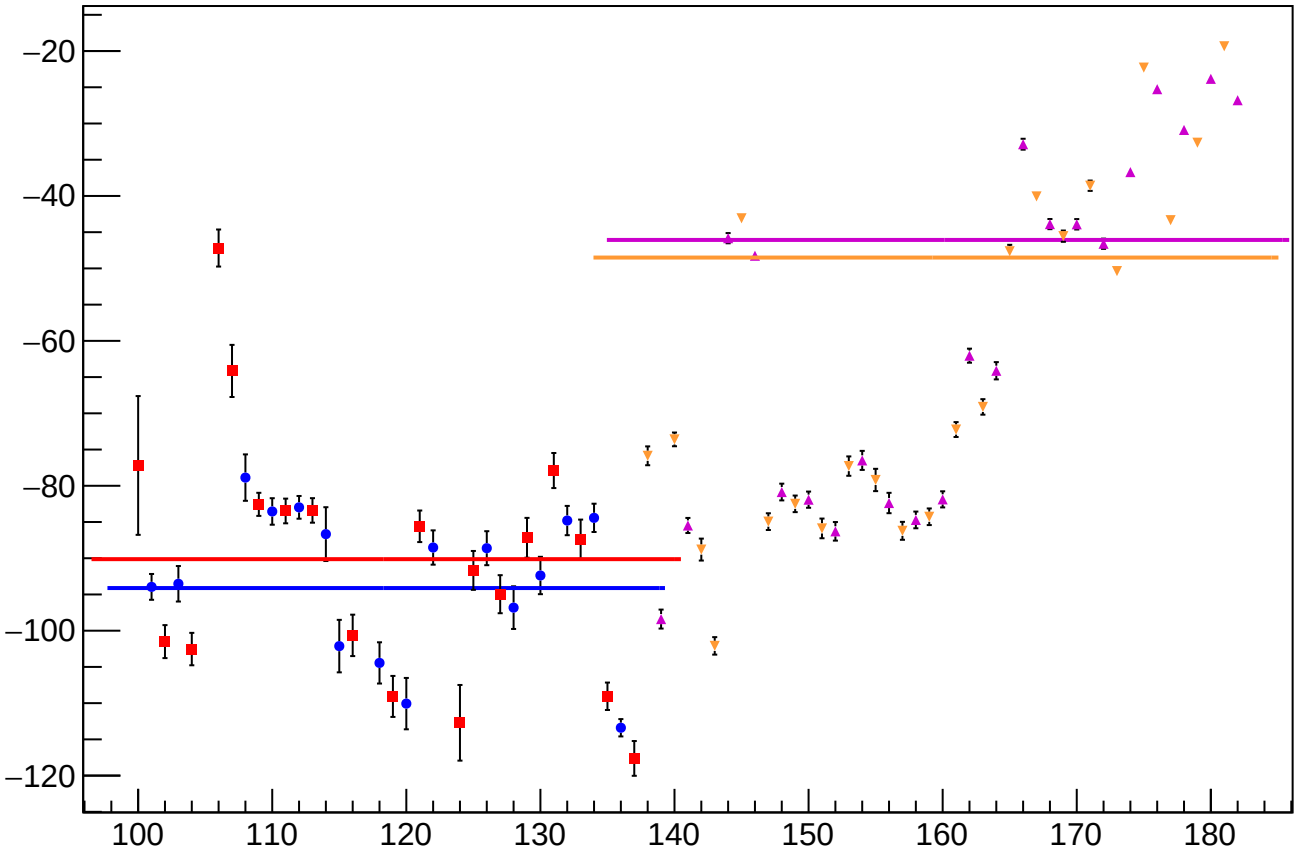
Left: 0.154+/-0.096 χ^2/NDF: 5735.1/44

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -0.376+/-0.130 χ^2/NDF:2954.5/37

Out: 0.017+/-0.133 χ^2/NDF:3343.7/41

All: -0.185+/-0.093 χ^2/NDF: 6302.7/79



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -48.501+/-0.177 χ^2/NDF:16630.2/22

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -46.070+/-0.172 χ^2/NDF:14769.6/21

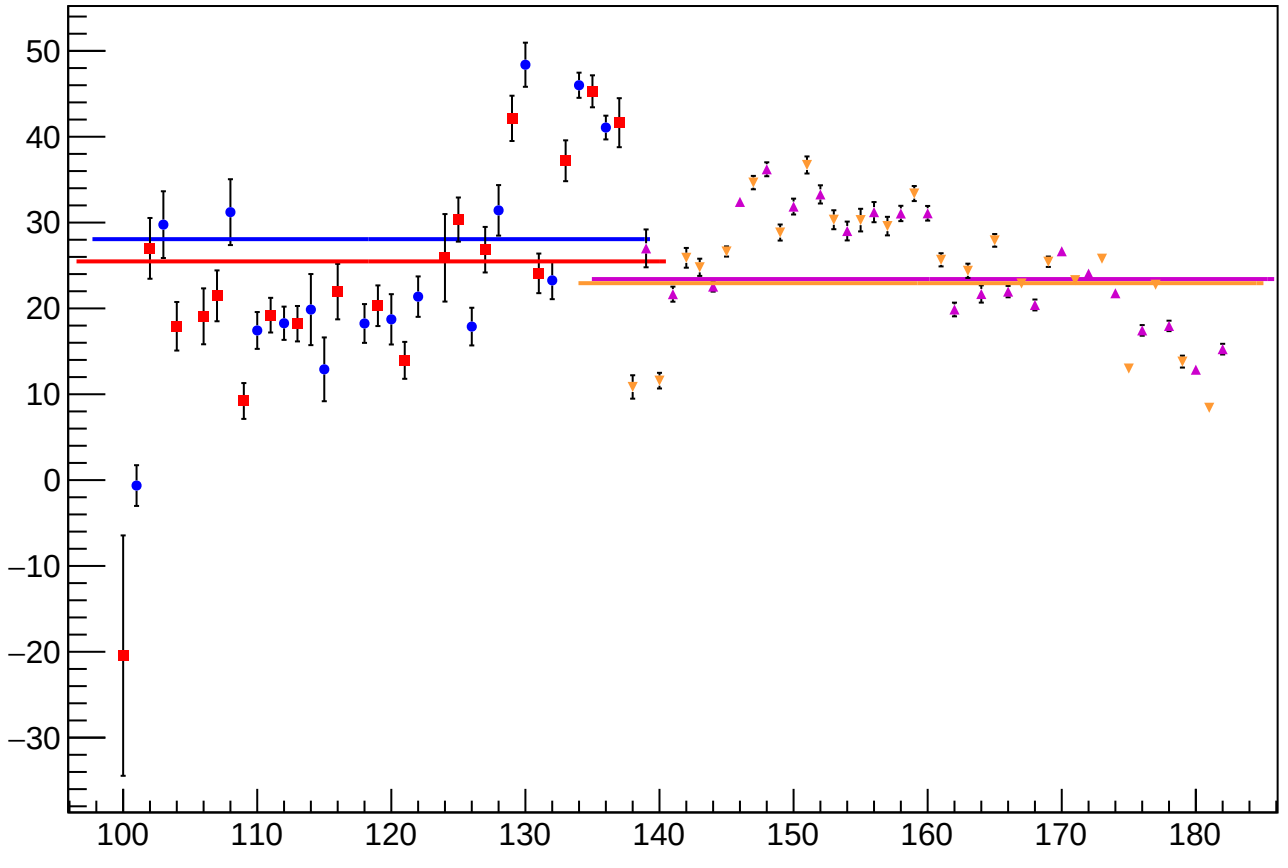
Left: -47.252+/-0.123 χ^2/NDF: 31497.0/44

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -50.542+/-0.164 χ^2/NDF:22495.4/37

Out: -52.490+/-0.168 χ^2/NDF:22734.1/41

All: -51.491+/-0.117 χ^2/NDF: 45298.5/79



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 22.940+/-0.154 χ^2/NDF:2260.2/22

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 23.420+/-0.150 χ^2/NDF:1777.7/21

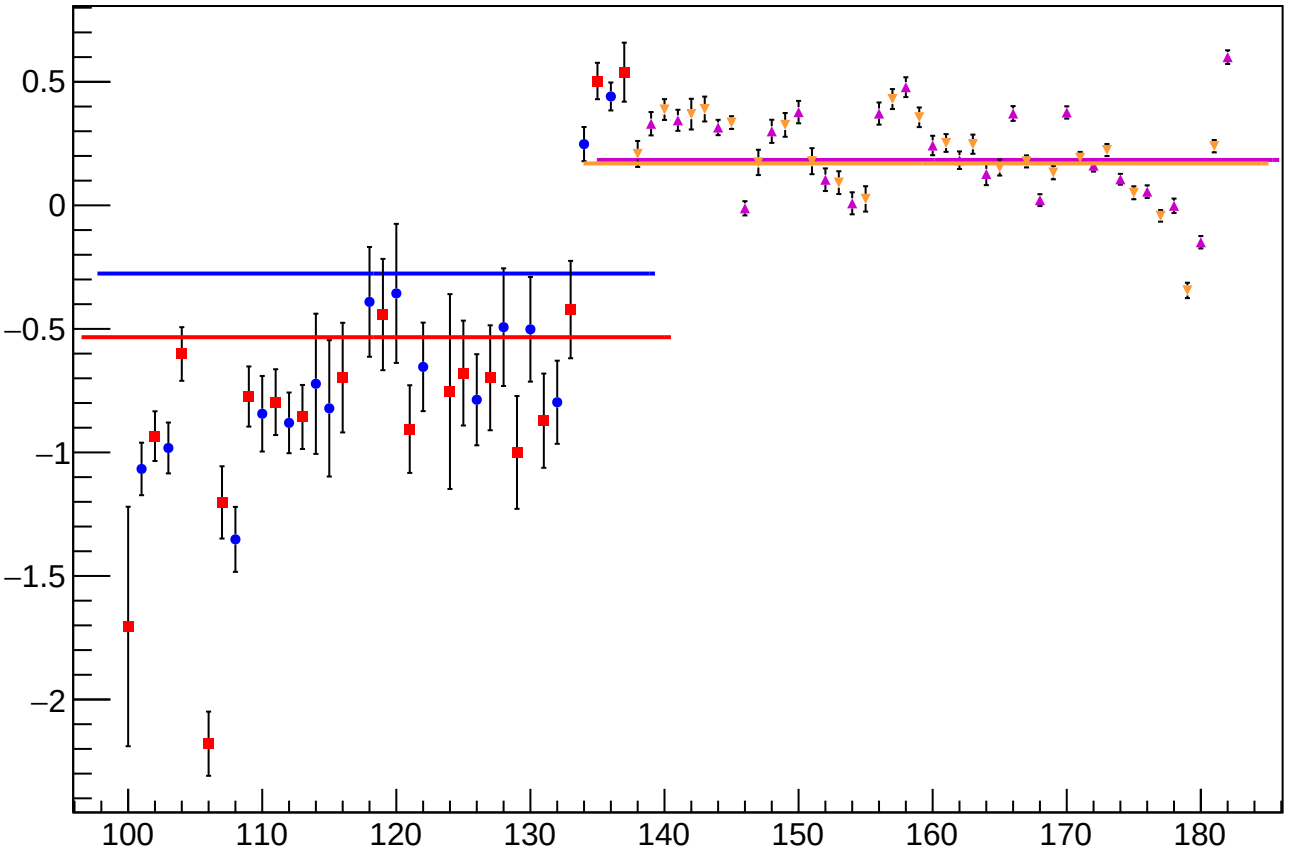
Left: 23.186+/-0.107 χ^2/NDF: 4043.0/44

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 23.723+/-0.145 χ^2/NDF:2423.3/37

Out: 23.101+/-0.149 χ^2/NDF:2632.2/41

All: 23.419+/-0.104 χ^2/NDF: 5064.4/79



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.170+/-0.007 χ^2/NDF:582.7/22

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.184+/-0.007 χ^2/NDF:831.4/21

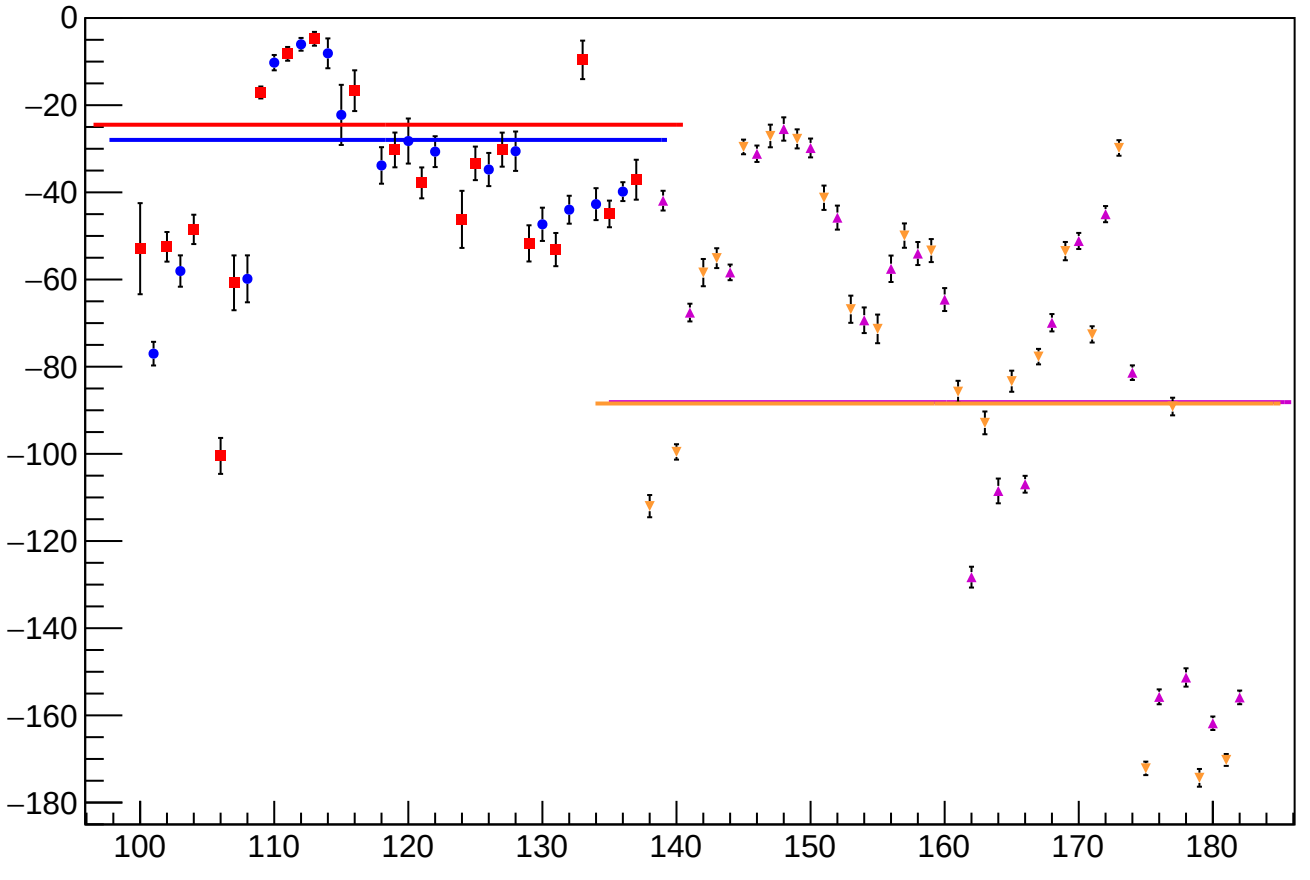
Left: 0.177+/-0.005 χ^2/NDF: 1416.1/44

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.163+/-0.007 χ^2/NDF:1501.8/37

Out: 0.140+/-0.007 χ^2/NDF:1532.1/41

All: 0.152+/-0.005 χ^2/NDF: 3039.6/79



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -88.448+/-0.441 χ^2/NDF:13492.5/22

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -88.134+/-0.439 χ^2/NDF:11681.9/21

Left: -88.290+/-0.311 χ^2/NDF: 25174.6/44

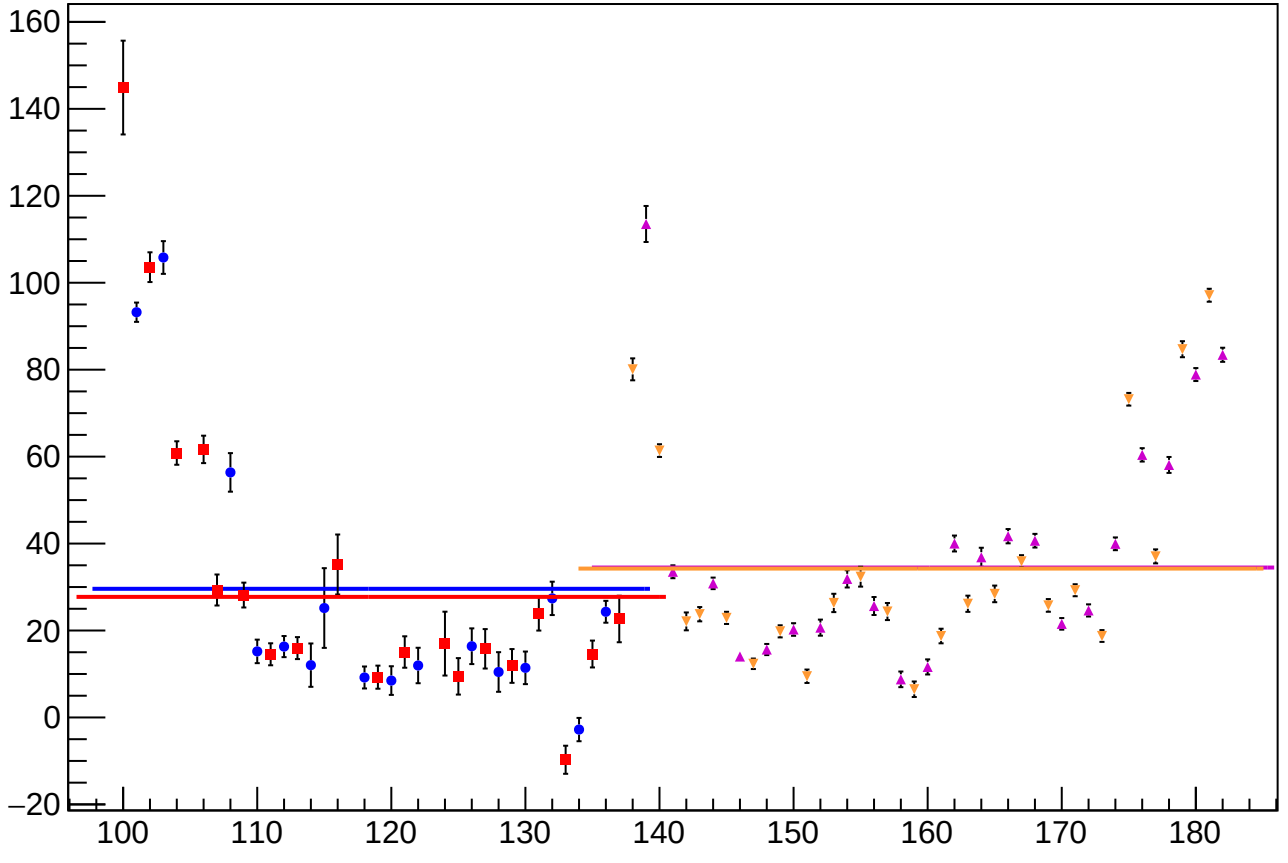
Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -72.056+/-0.376 χ^2/NDF:17587.5/37

Out: -68.814+/-0.367 χ^2/NDF:20935.3/41

All: -70.396+/-0.263 χ^2/NDF: 38560.8/79

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 34.247+/-0.335 χ^2/NDF:5322.1/22

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 34.485+/-0.339 χ^2/NDF:3906.0/21

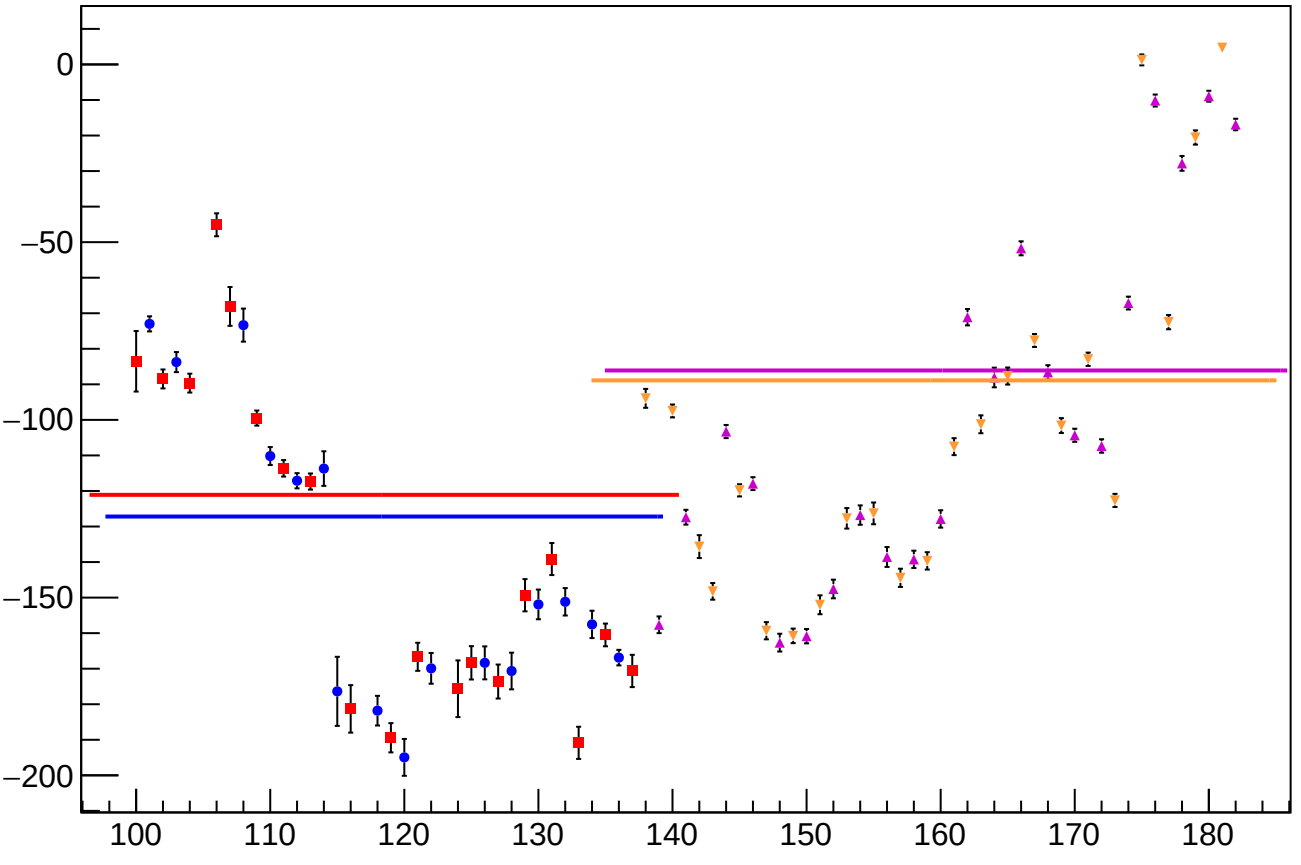
Left: 34.365+/-0.238 χ^2/NDF: 9228.3/44

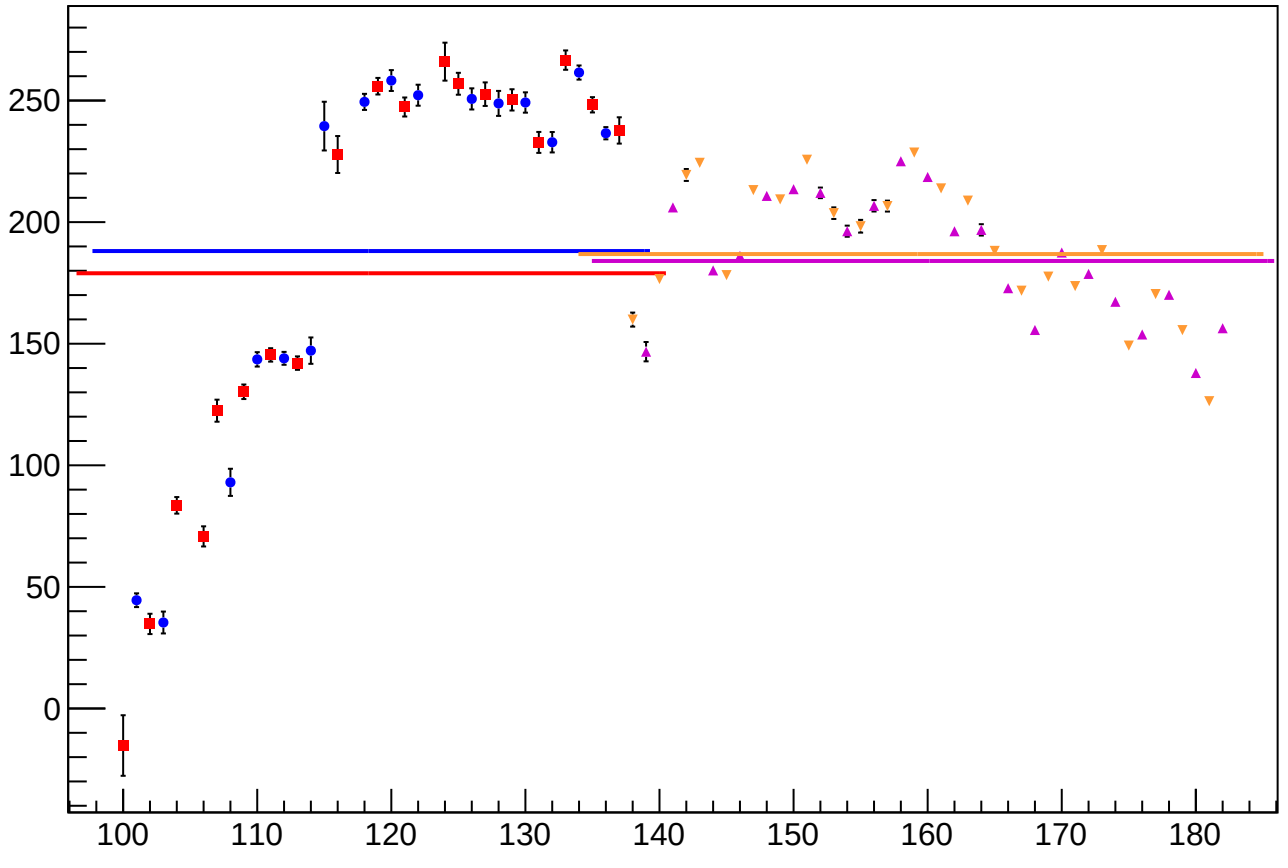
Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 33.752+/-0.312 χ^2/NDF:5602.9/37

Out: 33.267+/-0.309 χ^2/NDF:6563.8/41

All: 33.507+/-0.220 χ^2/NDF: 12168.0/79


reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
Right In: -127.190+/-0.829 χ²/NDF: 2178.2/15
Left Out: -88.882+/-0.439 χ²/NDF:14583.0/22
Right Out: -121.086+/-0.798 χ²/NDF: 2397.3/18
Left In: -86.098+/-0.437 χ²/NDF:13719.1/21
Left: -87.483+/-0.310 χ²/NDF: 28322.3/44
Right: -124.019+/-0.575 χ²/NDF: 4603.6/34
In: -95.026+/-0.387 χ²/NDF:17818.8/37
Out: -96.376+/-0.385 χ²/NDF:18230.9/41
All: -95.704+/-0.273 χ²/NDF: 36055.8/79



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 186.868+/-0.379 χ^2/NDF:5109.6/22

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 184.027+/-0.381 χ^2/NDF:3870.2/21

Left: 185.453+/-0.269 χ^2/NDF: 9007.7/44

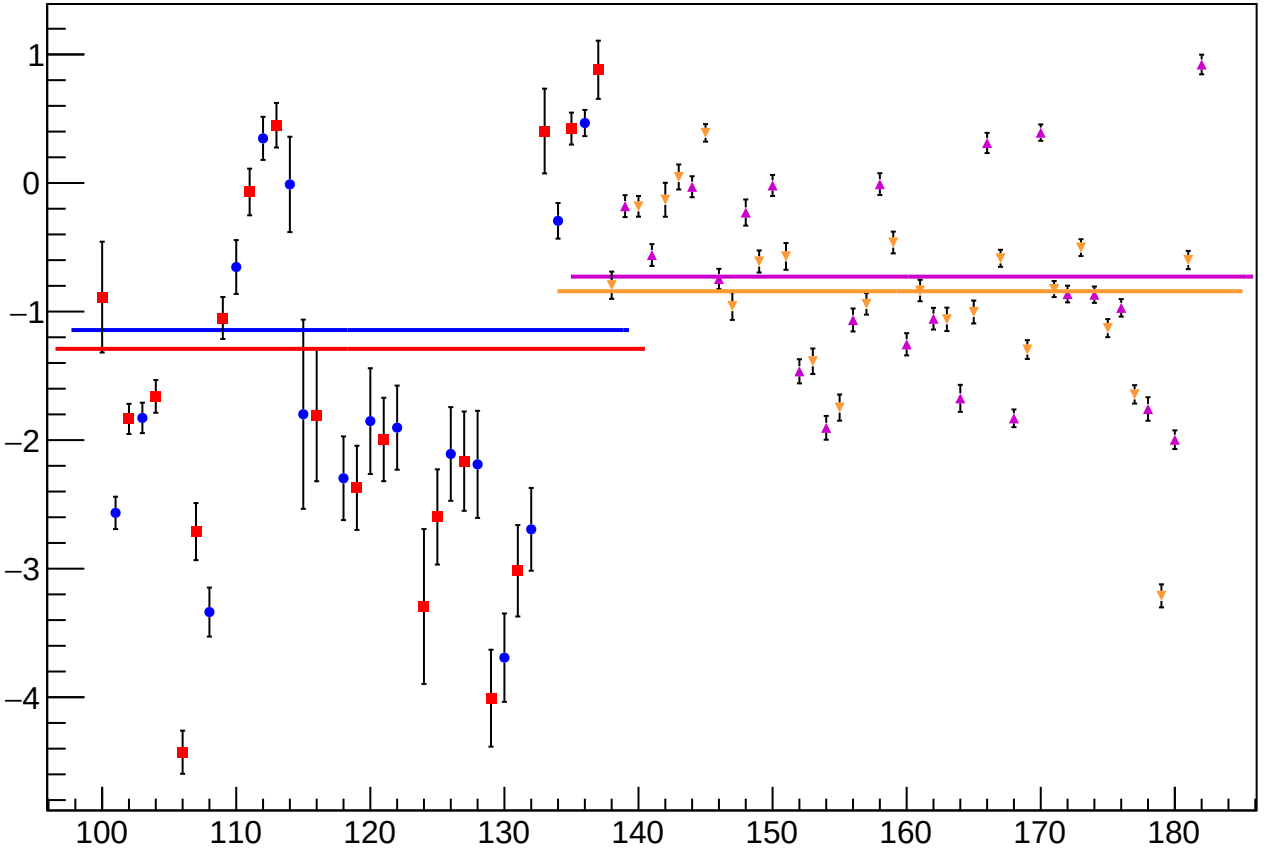
Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 184.626+/-0.352 χ^2/NDF:11005.7/37

Out: 185.695+/-0.350 χ^2/NDF:11842.8/41

All: 185.163+/-0.248 χ^2/NDF: 22853.1/79

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.842+/-0.017 χ^2/NDF:1592.7/22

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.728+/-0.017 χ^2/NDF:2318.5/21

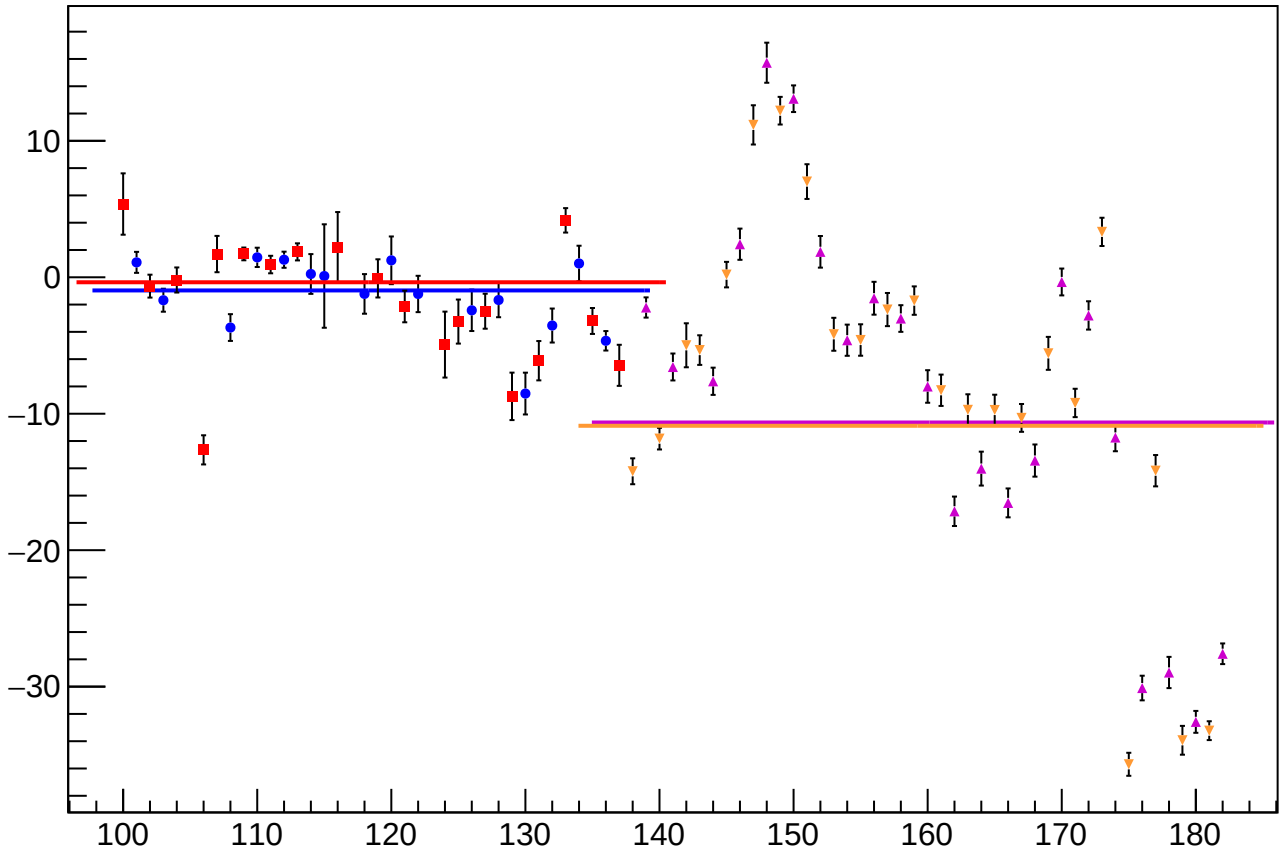
Left: -0.785+/-0.012 χ^2/NDF: 3933.5/44

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.774+/-0.016 χ^2/NDF:3172.6/37

Out: -0.893+/-0.016 χ^2/NDF:2670.0/41

All: -0.833+/-0.011 χ^2/NDF: 5870.1/79



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -10.883+/-0.217 χ^2/NDF:3949.3/22

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -10.643+/-0.216 χ^2/NDF:3683.7/21

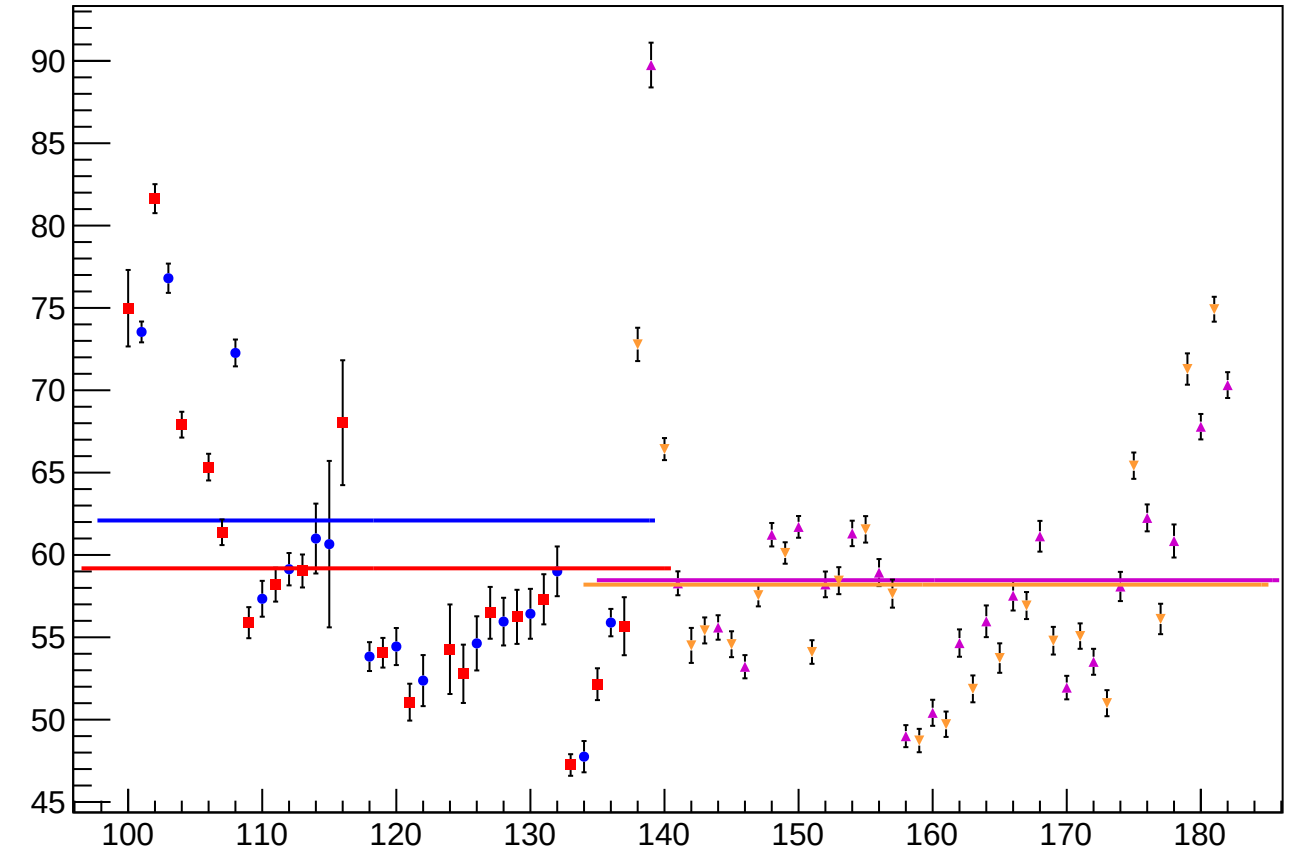
Left: -10.762+/-0.153 χ^2/NDF: 7633.6/44

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -6.565+/-0.164 χ^2/NDF:4632.6/37

Out: -5.777+/-0.156 χ^2/NDF:5367.1/41

All: -6.150+/-0.113 χ^2/NDF: 10011.8/79



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 58.198+/-0.166 χ^2/NDF:1732.2/22

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 58.467+/-0.170 χ^2/NDF:1518.4/21

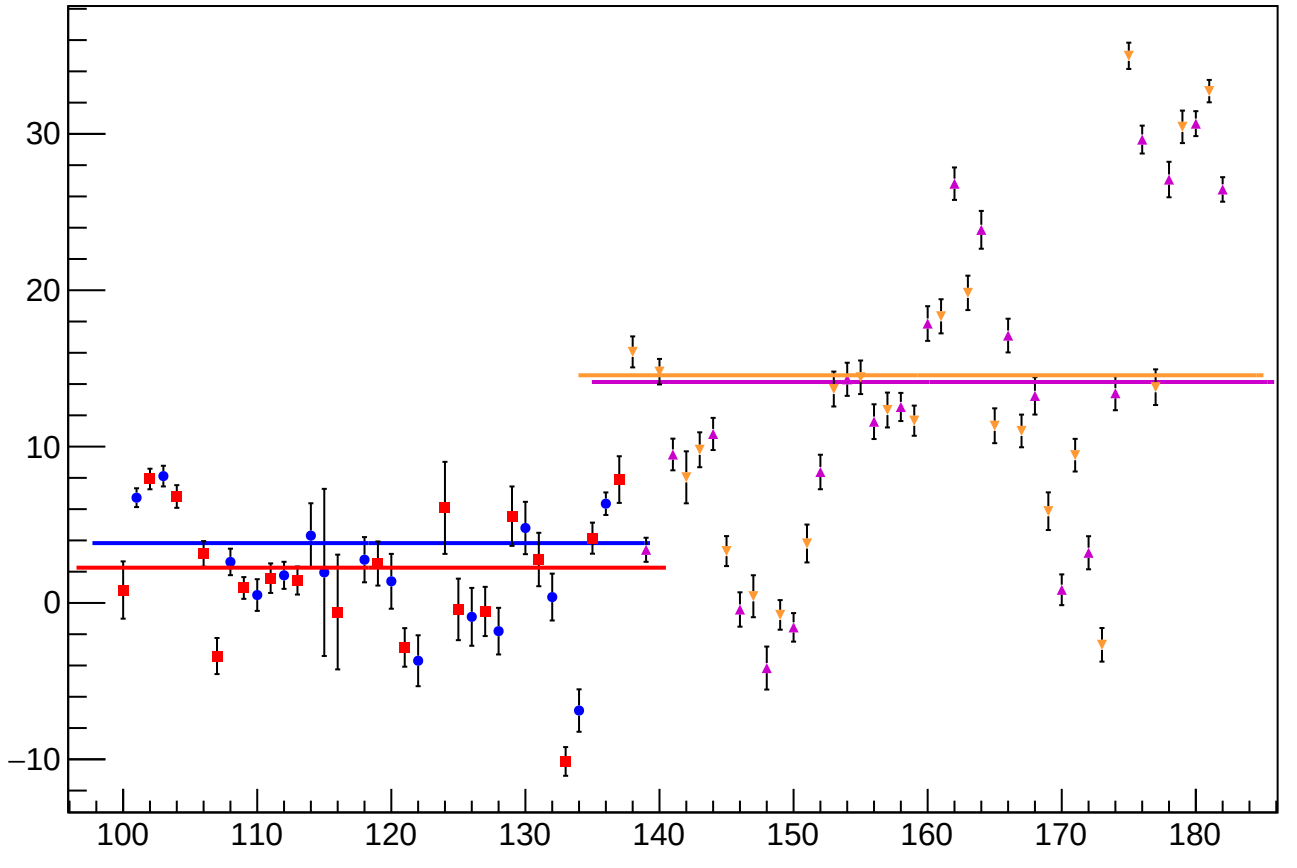
Left: 58.329+/-0.119 χ^2/NDF: 3251.8/44

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 59.520+/-0.143 χ^2/NDF:2952.2/37

Out: 58.511+/-0.137 χ^2/NDF:3145.6/41

All: 58.994+/-0.099 χ^2/NDF: 6123.7/79



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 14.562+/-0.215 χ^2/NDF:2496.3/22

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 14.132+/-0.214 χ^2/NDF:2541.0/21

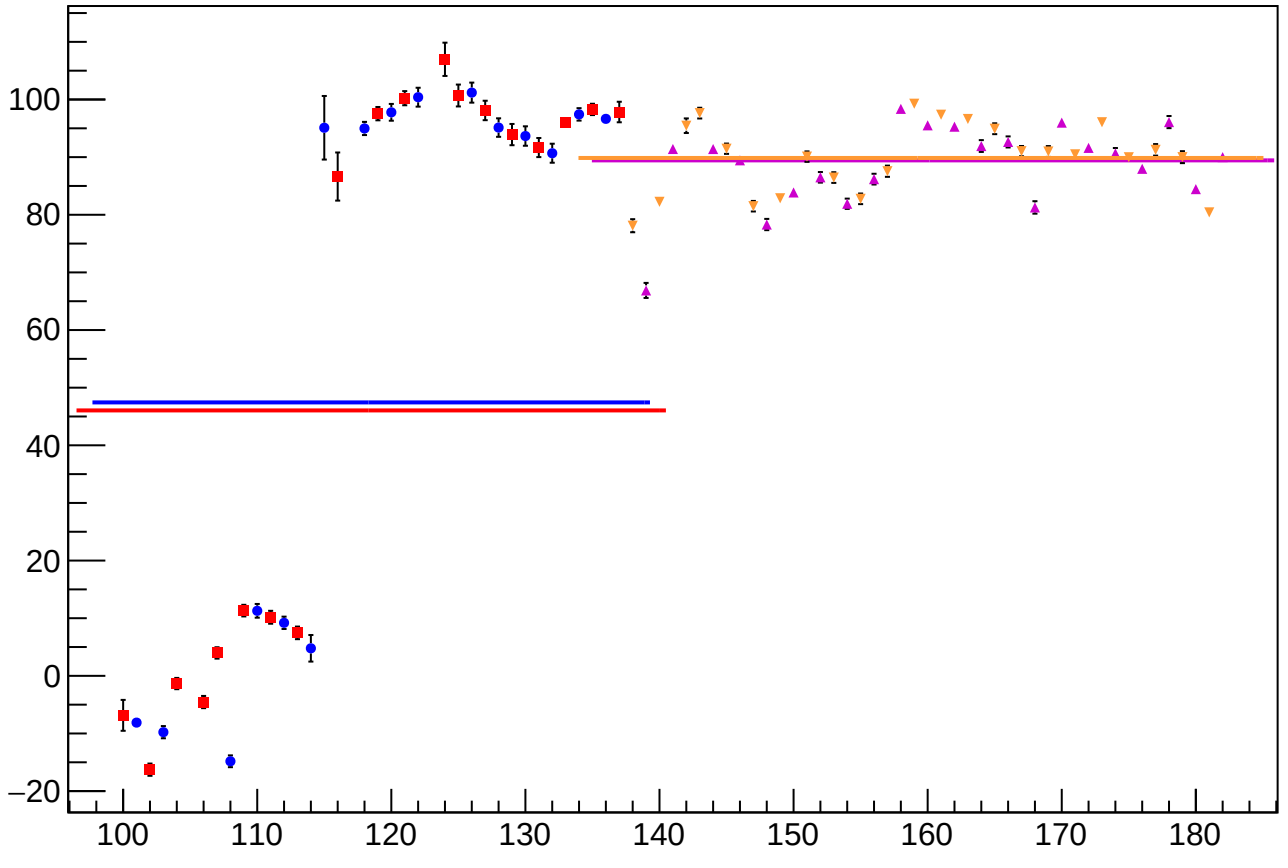
Left: 14.346+/-0.152 χ^2/NDF: 5039.4/44

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 10.078+/-0.166 χ^2/NDF:3664.7/37

Out: 9.238+/-0.162 χ^2/NDF:4282.6/41

All: 9.647+/-0.116 χ^2/NDF: 7960.4/79



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 89.856+/-0.187 χ^2/NDF:1064.9/22

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 89.438+/-0.189 χ^2/NDF:1078.8/21

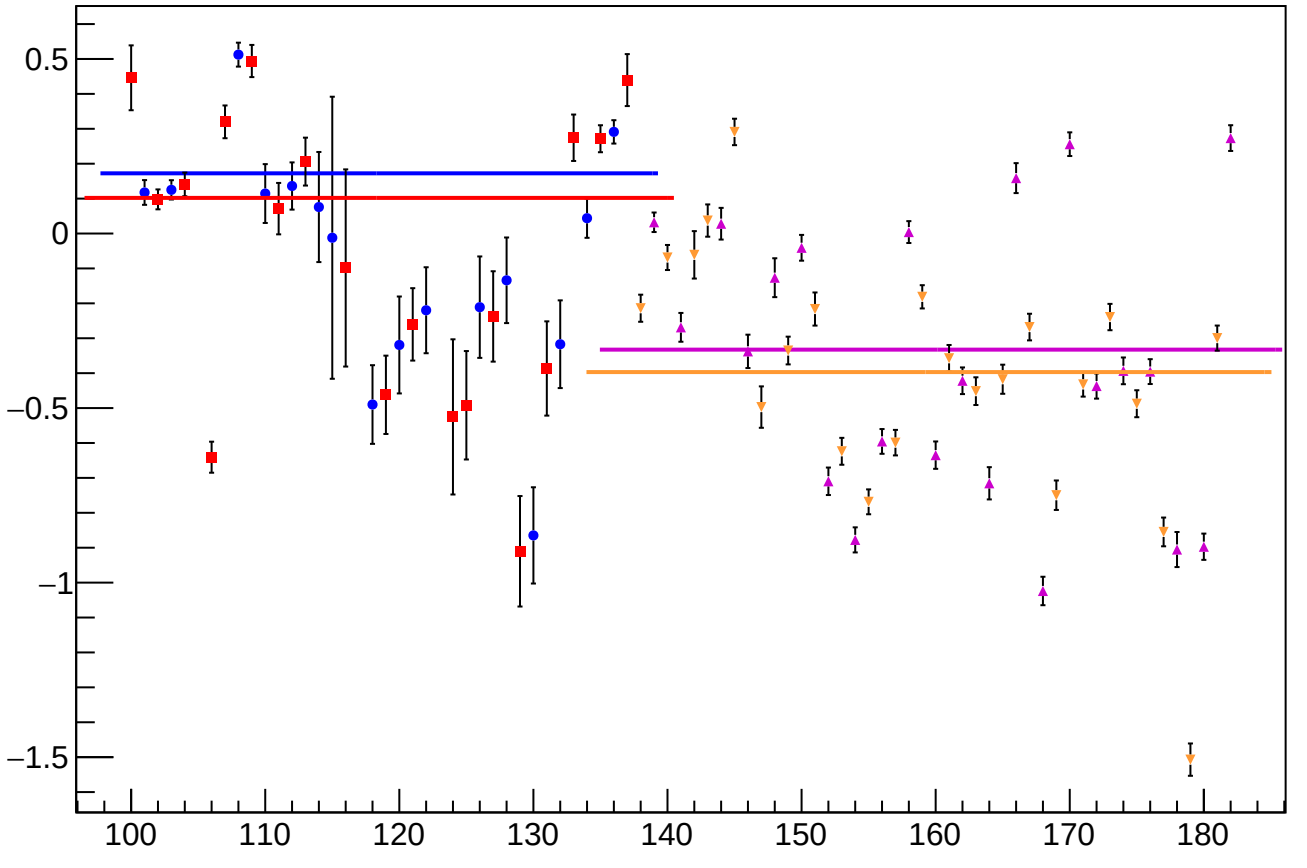
Left: 89.650+/-0.133 χ^2/NDF: 2146.1/44

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 77.931+/-0.161 χ^2/NDF:41457.3/37

Out: 76.651+/-0.156 χ^2/NDF:46529.5/41

All: 77.271+/-0.112 χ^2/NDF: 88019.3/79



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.397+/-0.008 χ^2/NDF:1598.3/22

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.333+/-0.008 χ^2/NDF:2297.2/21

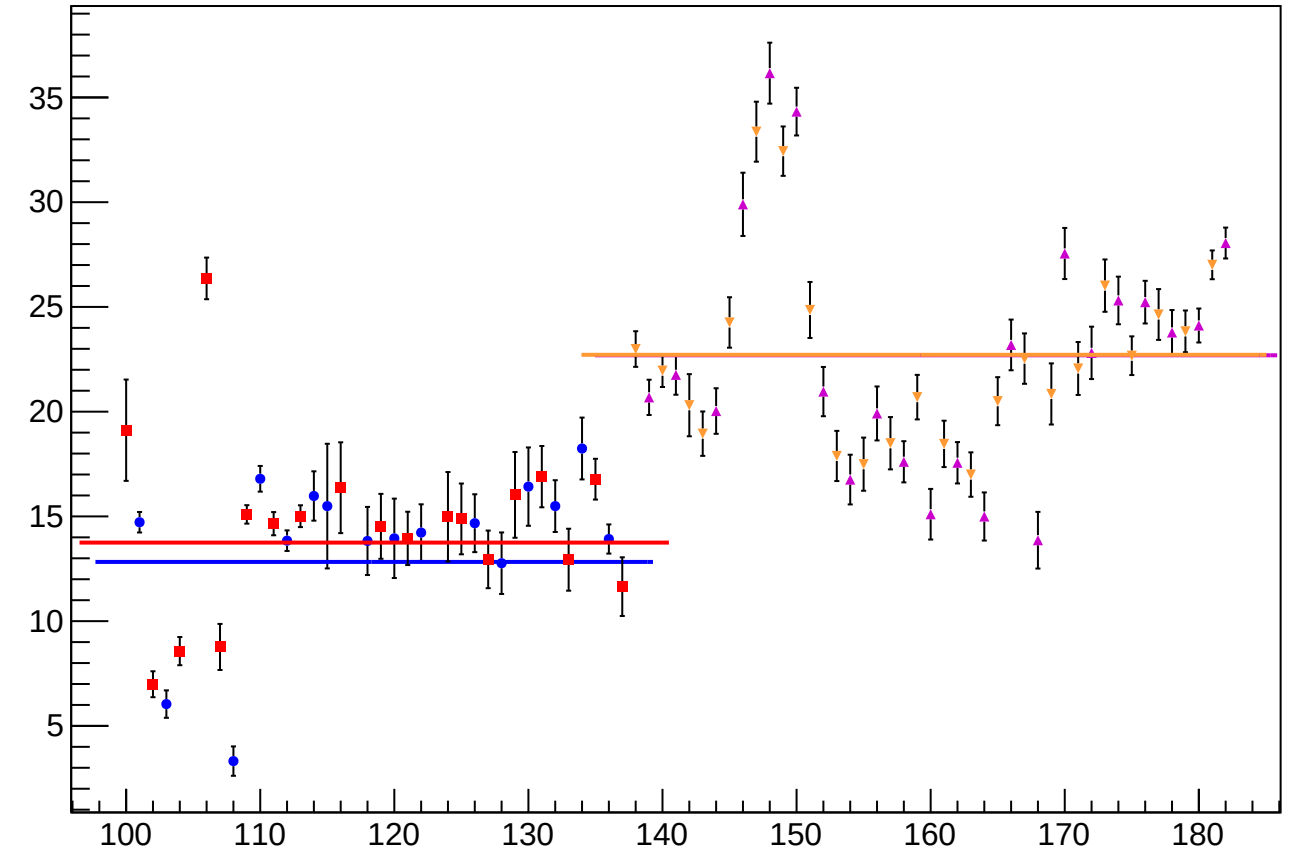
Left: -0.364+/-0.006 χ^2/NDF: 3925.9/44

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.206+/-0.007 χ^2/NDF:3517.4/37

Out: -0.259+/-0.007 χ^2/NDF:3152.5/41

All: -0.233+/-0.005 χ^2/NDF: 6697.6/79



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.714+/-0.226 χ^2/NDF:291.6/22

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 22.691+/-0.229 χ^2/NDF:522.4/21

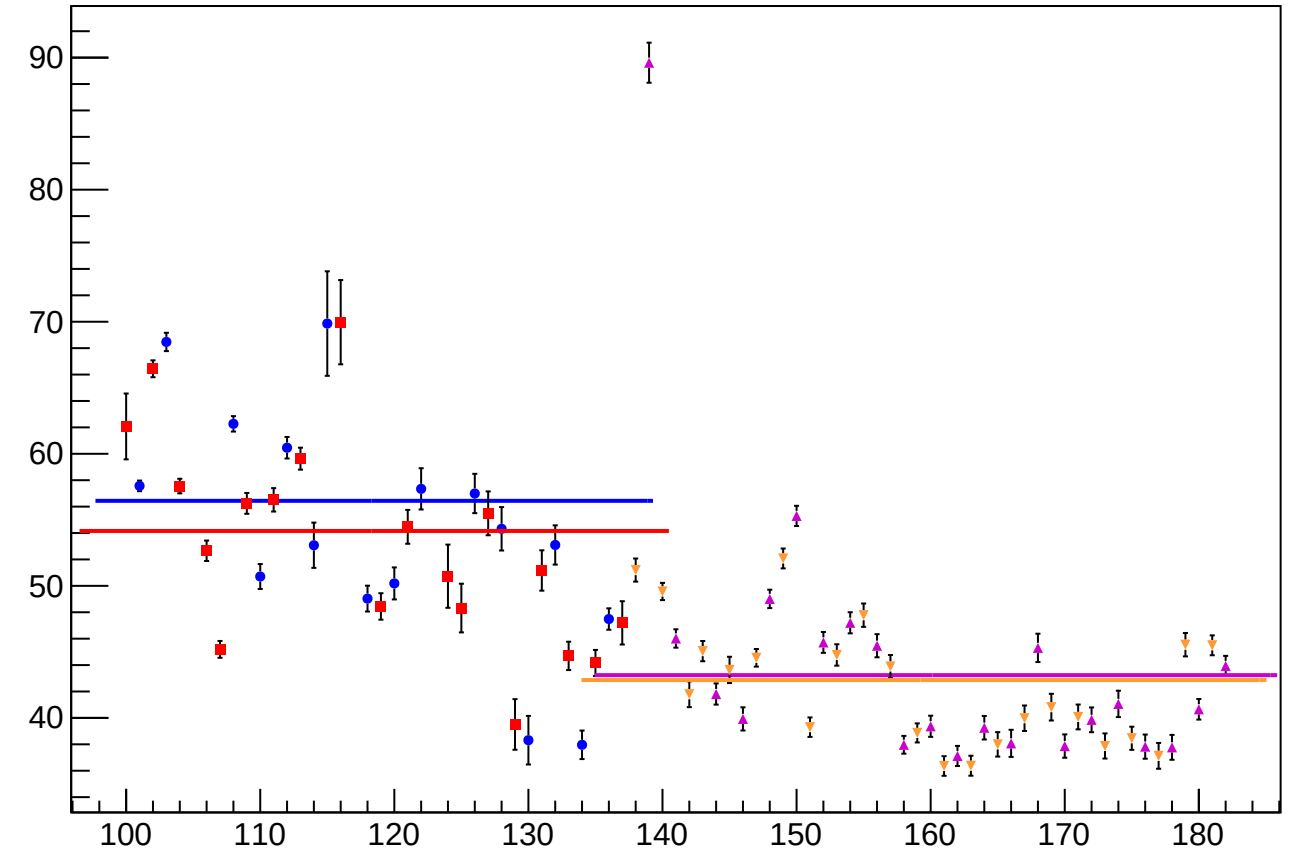
Left: 22.703+/-0.161 χ^2/NDF: 814.0/44

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 17.431+/-0.156 χ^2/NDF:1901.6/37

Out: 17.775+/-0.152 χ^2/NDF:1561.5/41

All: 17.608+/-0.109 χ^2/NDF: 3465.6/79



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 42.867+/-0.172 χ^2/NDF:763.0/22

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 43.238+/-0.179 χ^2/NDF:1659.3/21

Left: 43.045+/-0.124 χ^2/NDF: 2424.5/44

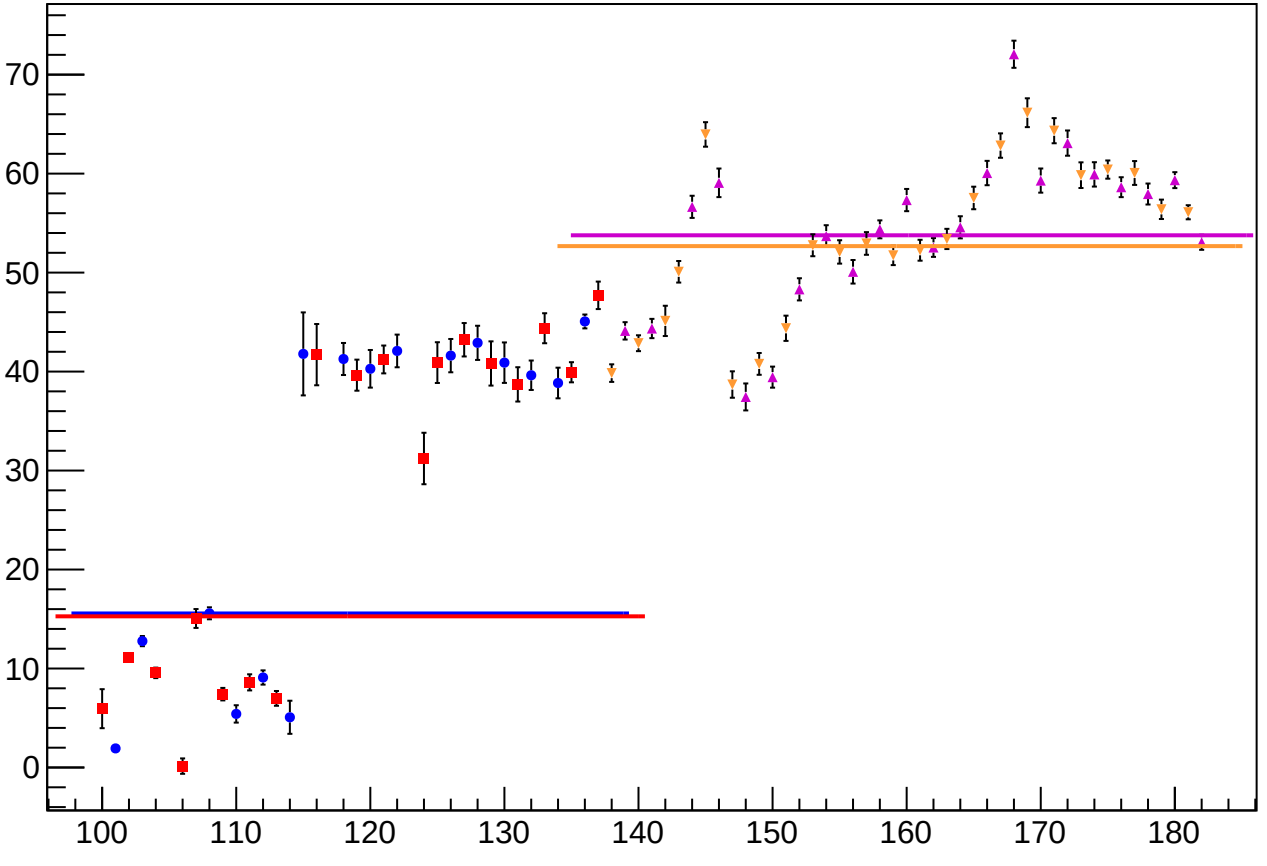
Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 48.438+/-0.139 χ^2/NDF:4893.6/37

Out: 47.049+/-0.137 χ^2/NDF:3361.1/41

All: 47.731+/-0.098 χ^2/NDF: 8305.3/79

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 52.675+/-0.224 χ^2/NDF:1174.7/22

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 53.769+/-0.226 χ^2/NDF:996.5/21

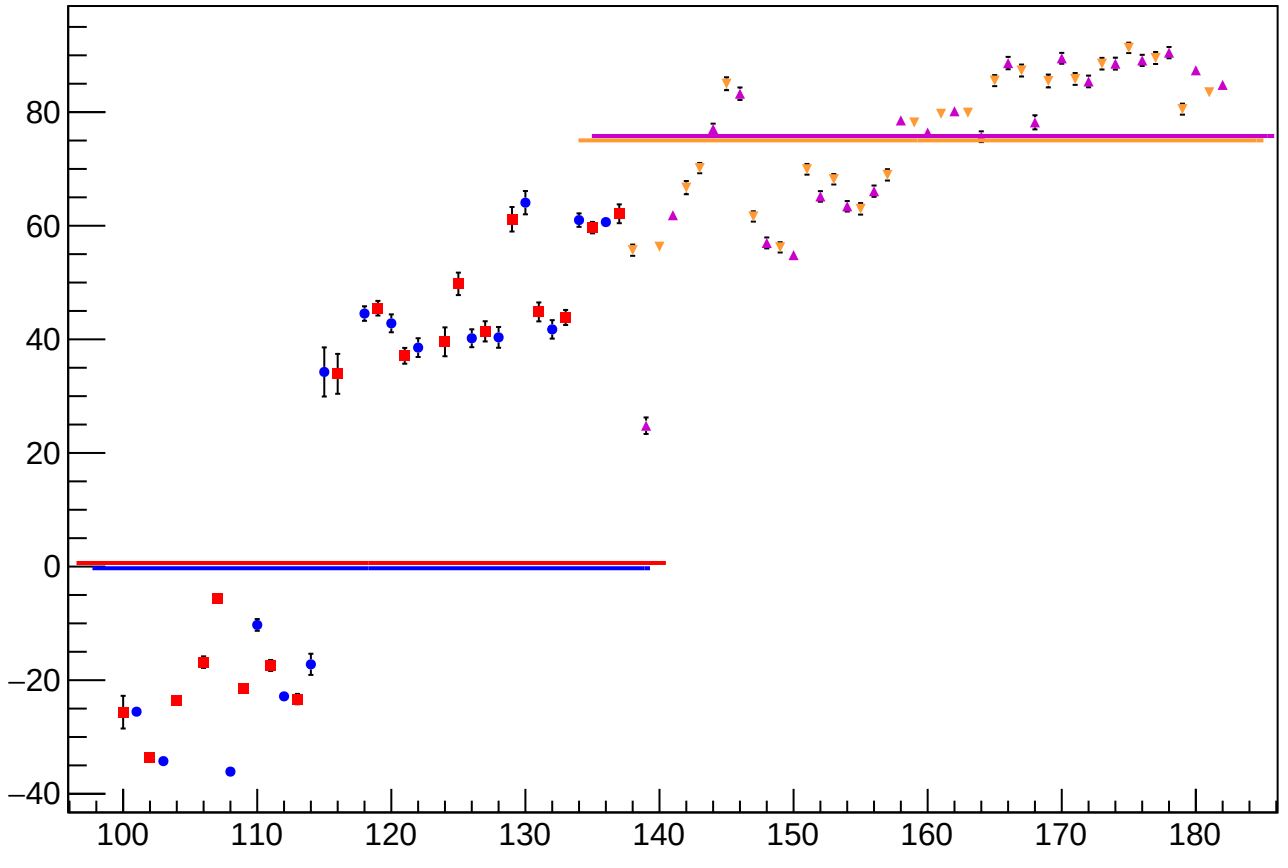
Left: 53.217+/-0.159 χ^2/NDF: 2183.0/44

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 33.624+/-0.155 χ^2/NDF:21244.0/37

Out: 33.562+/-0.157 χ^2/NDF:19294.5/41

All: 33.594+/-0.110 χ^2/NDF: 40538.5/79



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 75.025+/-0.195 χ^2/NDF:3383.7/22

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 75.795+/-0.199 χ^2/NDF:4262.9/21

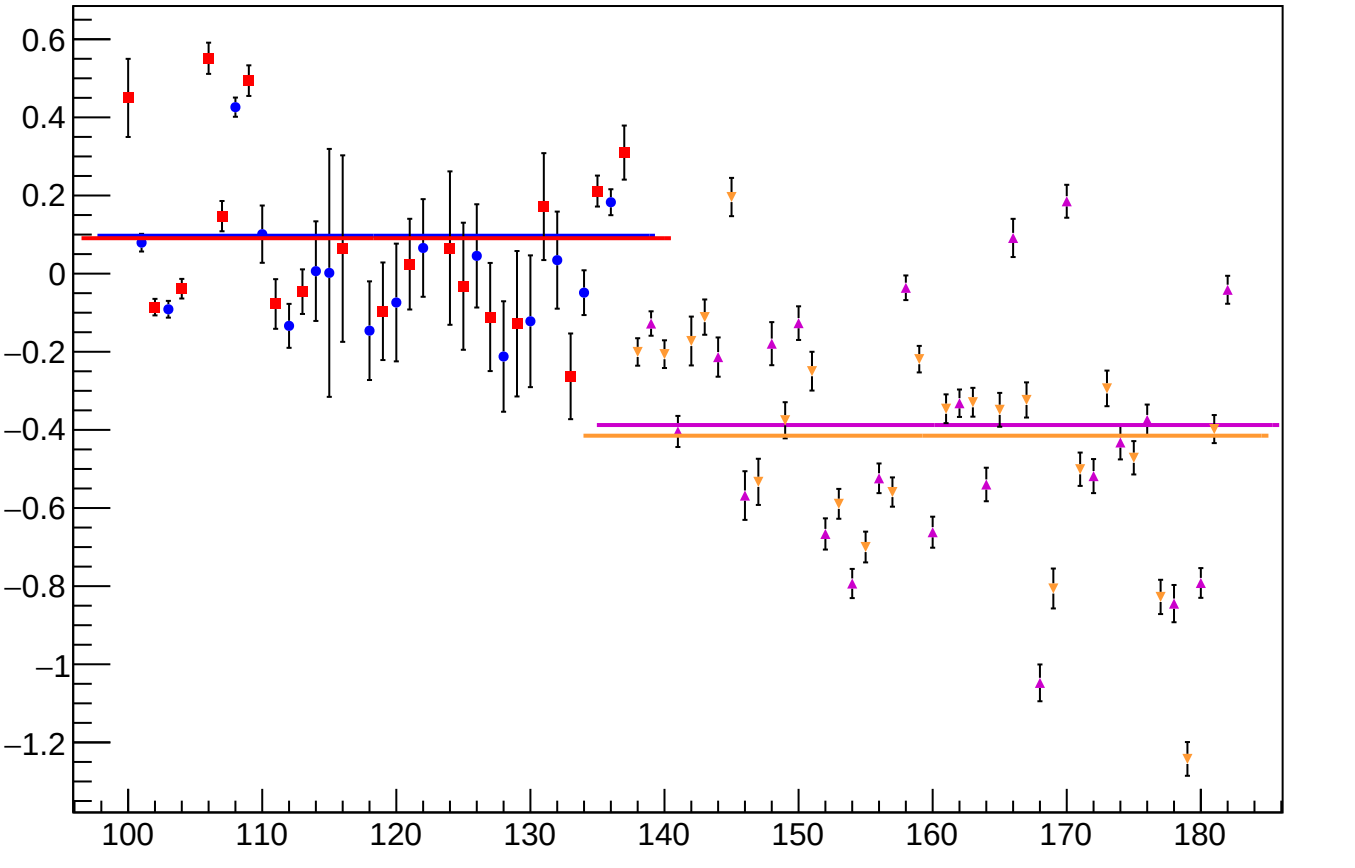
Left: 75.401+/-0.139 χ^2/NDF: 7654.2/44

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 47.796+/-0.159 χ^2/NDF:78849.5/37

Out: 48.762+/-0.157 χ^2/NDF:70936.8/41

All: 48.285+/-0.111 χ^2/NDF: 149805.0/79



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.415+/-0.009 χ^2/NDF:966.9/22

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.388+/-0.009 χ^2/NDF:1292.3/21

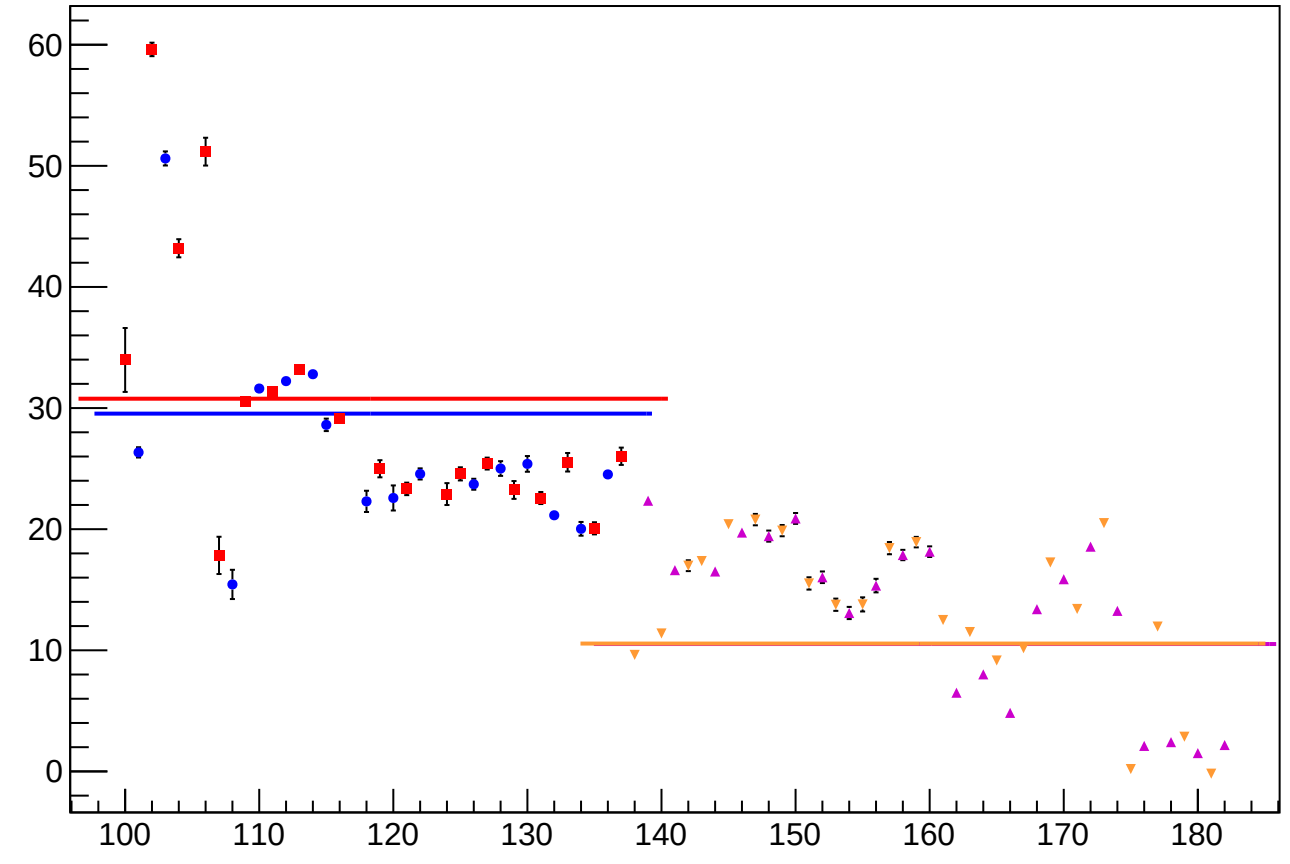
Left: -0.401+/-0.006 χ^2/NDF: 2264.1/44

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.206+/-0.007 χ^2/NDF:2757.4/37

Out: -0.228+/-0.007 χ^2/NDF:2606.5/41

All: -0.217+/-0.005 χ^2/NDF: 5369.0/79



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 10.556+/-0.068 χ^2/NDF:11618.7/22

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 10.518+/-0.068 χ^2/NDF:11491.7/21

Left: 10.537+/-0.048 χ^2/NDF: 23110.5/44

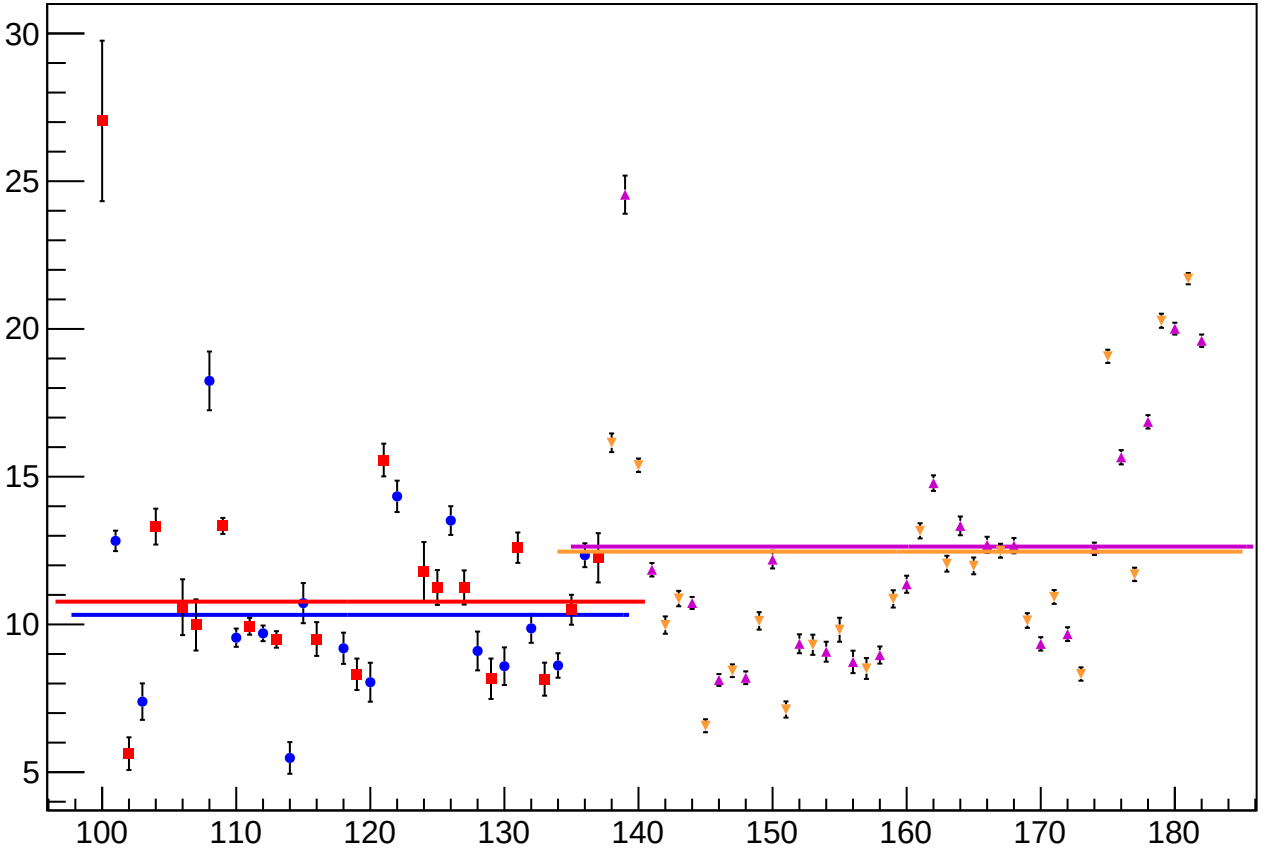
Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 17.220+/-0.055 χ^2/NDF:42585.6/37

Out: 19.039+/-0.052 χ^2/NDF:53627.7/41

All: 18.175+/-0.038 χ^2/NDF: 96796.7/79

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 12.464+/-0.053 χ^2/NDF:6947.5/22

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 12.634+/-0.053 χ^2/NDF:5268.1/21

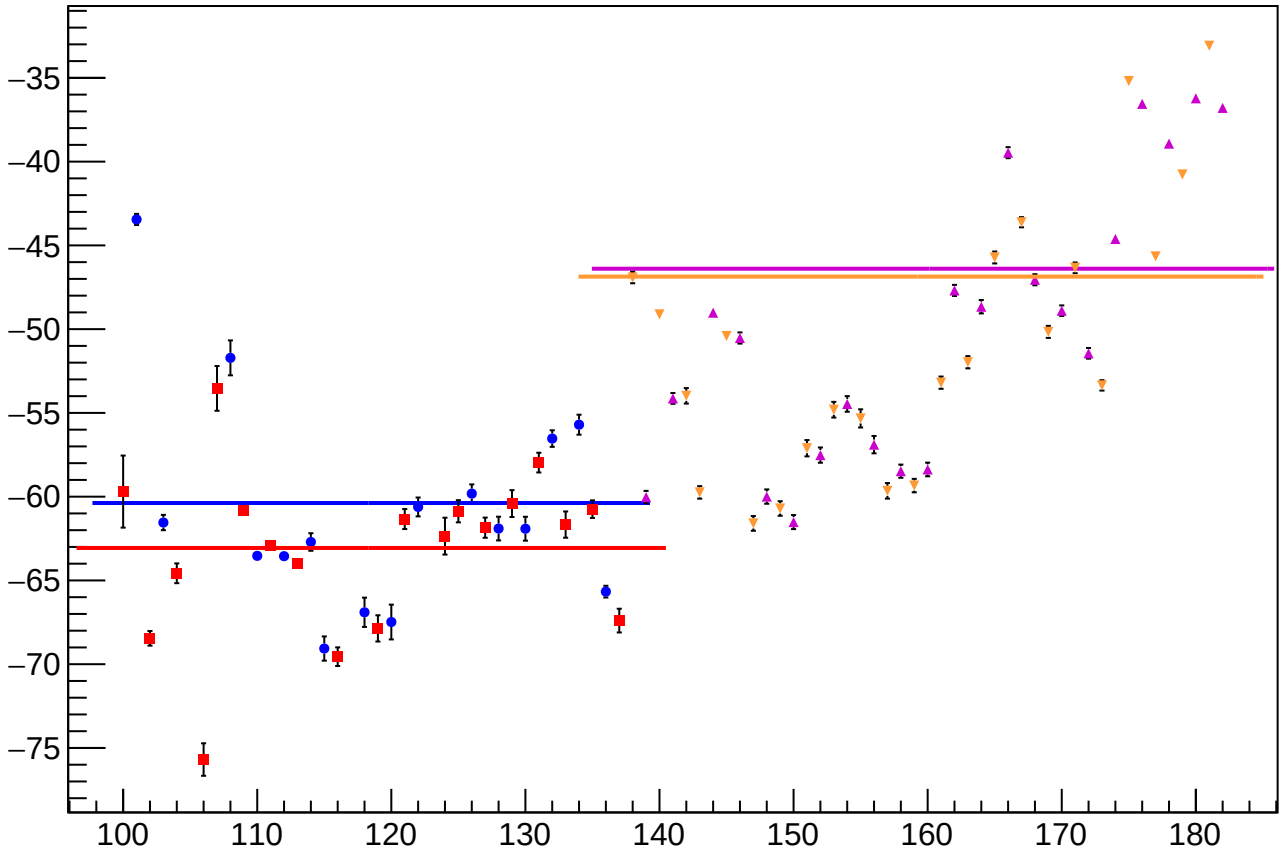
Left: 12.548+/-0.038 χ^2/NDF: 12220.6/44

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 12.217+/-0.048 χ^2/NDF:6007.4/37

Out: 12.156+/-0.048 χ^2/NDF:7547.3/41

All: 12.187+/-0.034 χ^2/NDF: 13555.5/79



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -46.864+/-0.068 χ^2/NDF:16305.0/22

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -46.392+/-0.068 χ^2/NDF:15080.0/21

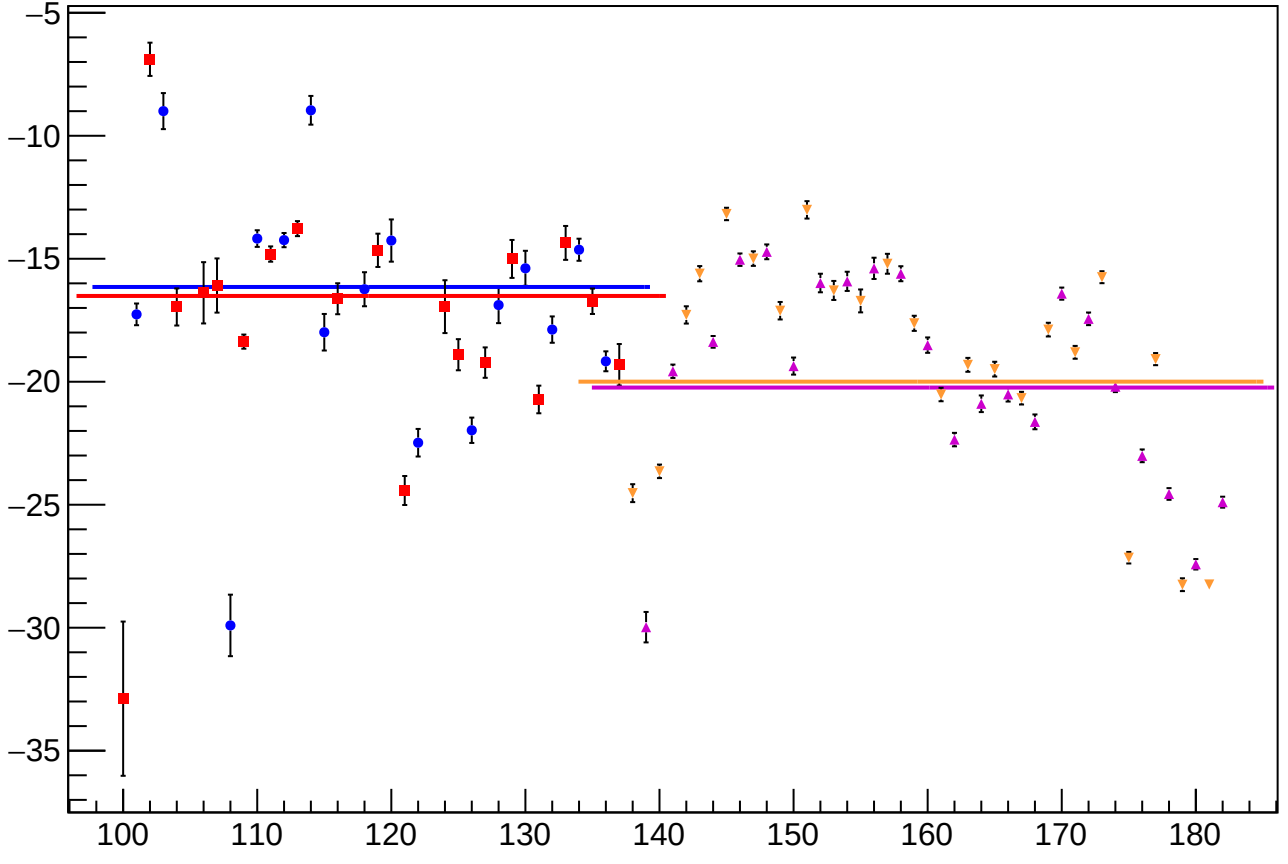
Left: -46.627+/-0.048 χ^2/NDF: 31409.0/44

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -50.091+/-0.058 χ^2/NDF:29942.4/37

Out: -51.530+/-0.058 χ^2/NDF:33385.8/41

All: -50.817+/-0.041 χ^2/NDF: 63637.6/79



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -19.996+/-0.060 χ^2/NDF:6384.6/22

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -20.237+/-0.060 χ^2/NDF:4179.7/21

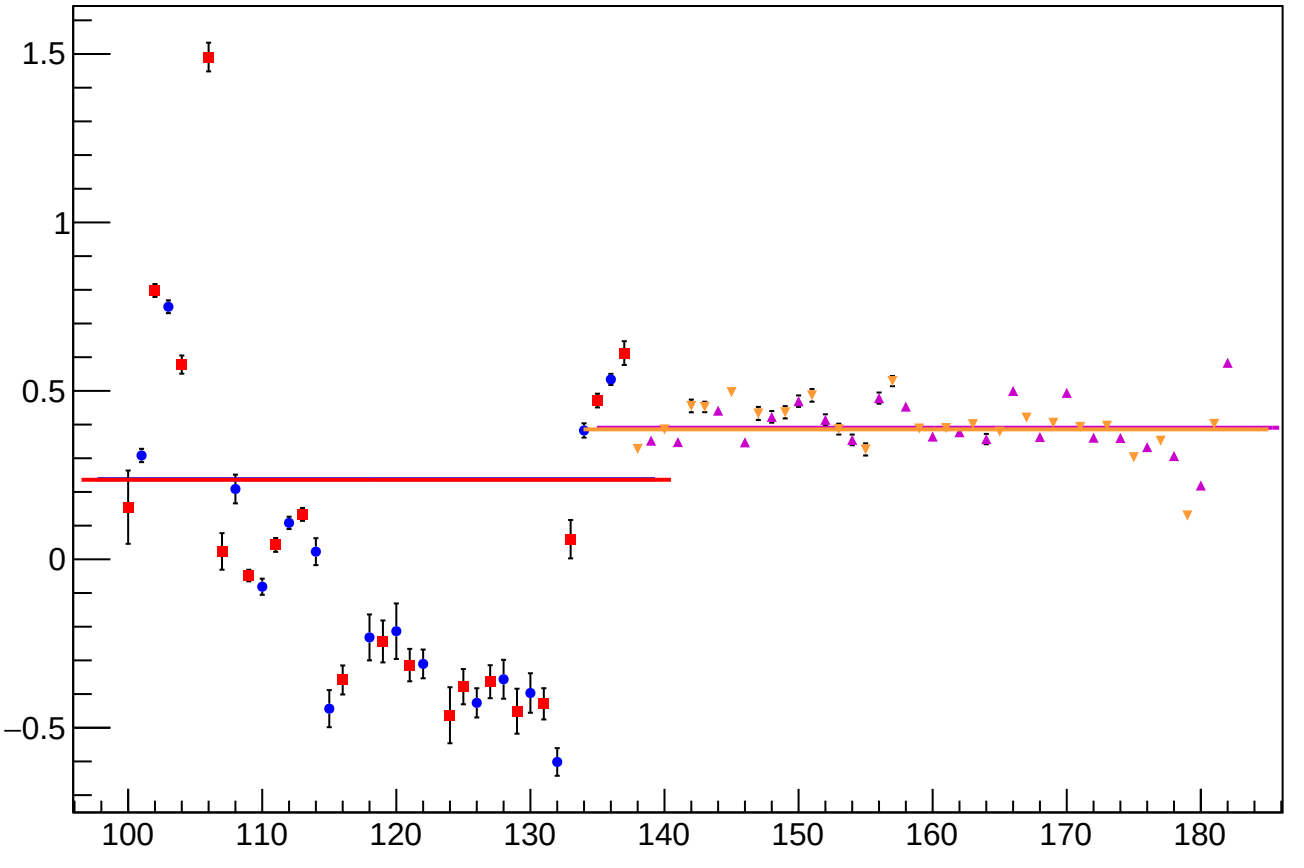
Left: -20.117+/-0.042 χ^2/NDF: 10572.5/44

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -19.497+/-0.054 χ^2/NDF:5824.1/37

Out: -19.345+/-0.054 χ^2/NDF:7704.7/41

All: -19.421+/-0.038 χ^2/NDF: 13532.8/79



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.386+/-0.003 χ^2/NDF:856.3/22

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.391+/-0.003 χ^2/NDF:1082.3/21

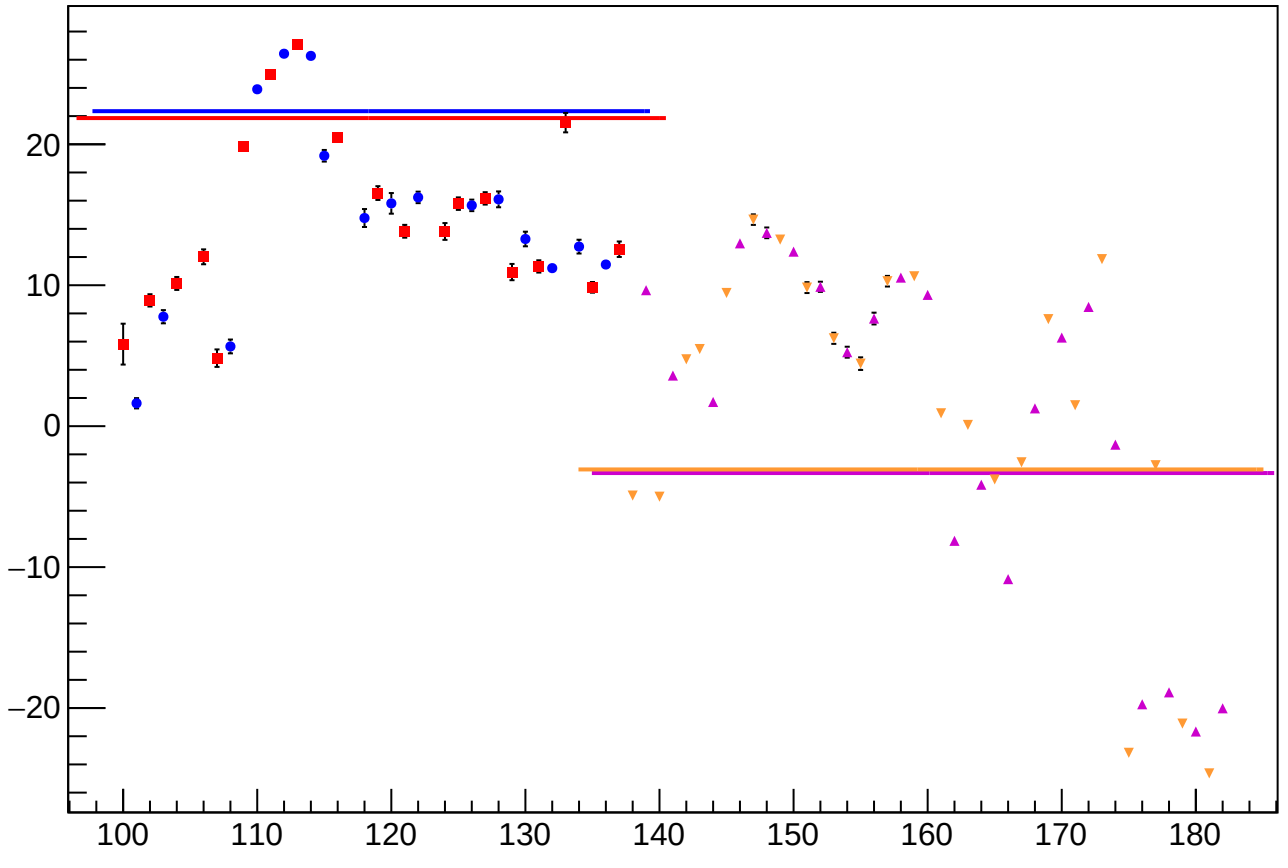
Left: 0.388+/-0.002 χ^2/NDF: 1940.3/44

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.372+/-0.002 χ^2/NDF:4125.2/37

Out: 0.367+/-0.003 χ^2/NDF:4840.1/41

All: 0.369+/-0.002 χ^2/NDF: 8967.1/79



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: -3.070+/-0.057 χ^2/NDF:49541.7/22

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: -3.326+/-0.058 χ^2/NDF:44828.3/21

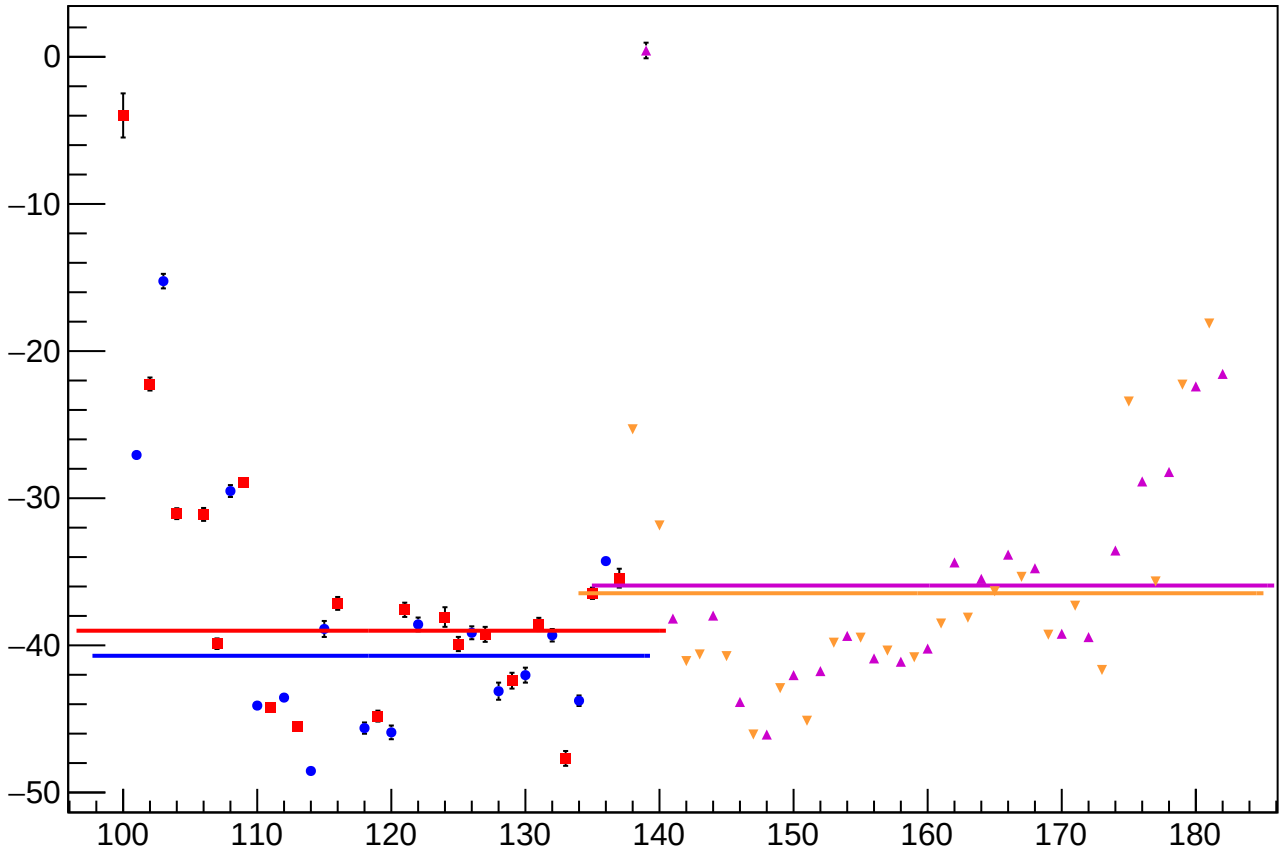
Left: -3.196+/-0.041 χ^2/NDF: 94379.9/44

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 9.862+/-0.041 χ^2/NDF:157410.1/37

Out: 12.000+/-0.036 χ^2/NDF:174945.4/41

All: 11.058+/-0.027 χ^2/NDF: 333910.8/79



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -36.459+/-0.044 χ^2/NDF:29772.4/22

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -35.934+/-0.045 χ^2/NDF:25992.7/21

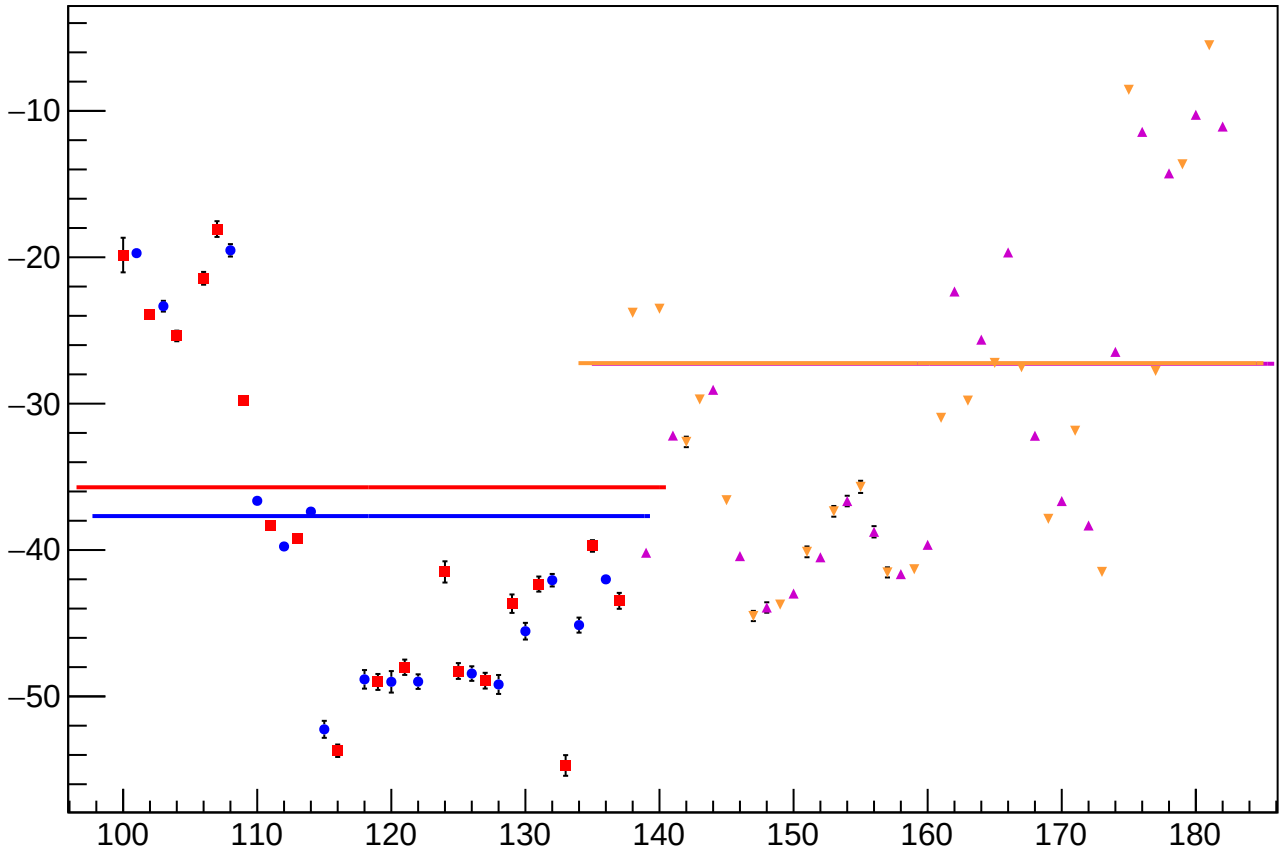
Left: -36.205+/-0.031 χ^2/NDF: 55834.5/44

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -37.174+/-0.039 χ^2/NDF:36658.3/37

Out: -37.159+/-0.037 χ^2/NDF:40805.0/41

All: -37.166+/-0.027 χ^2/NDF: 77463.4/79



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -27.233+/-0.057 χ^2/NDF:43900.0/22

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -27.274+/-0.058 χ^2/NDF:40862.0/21

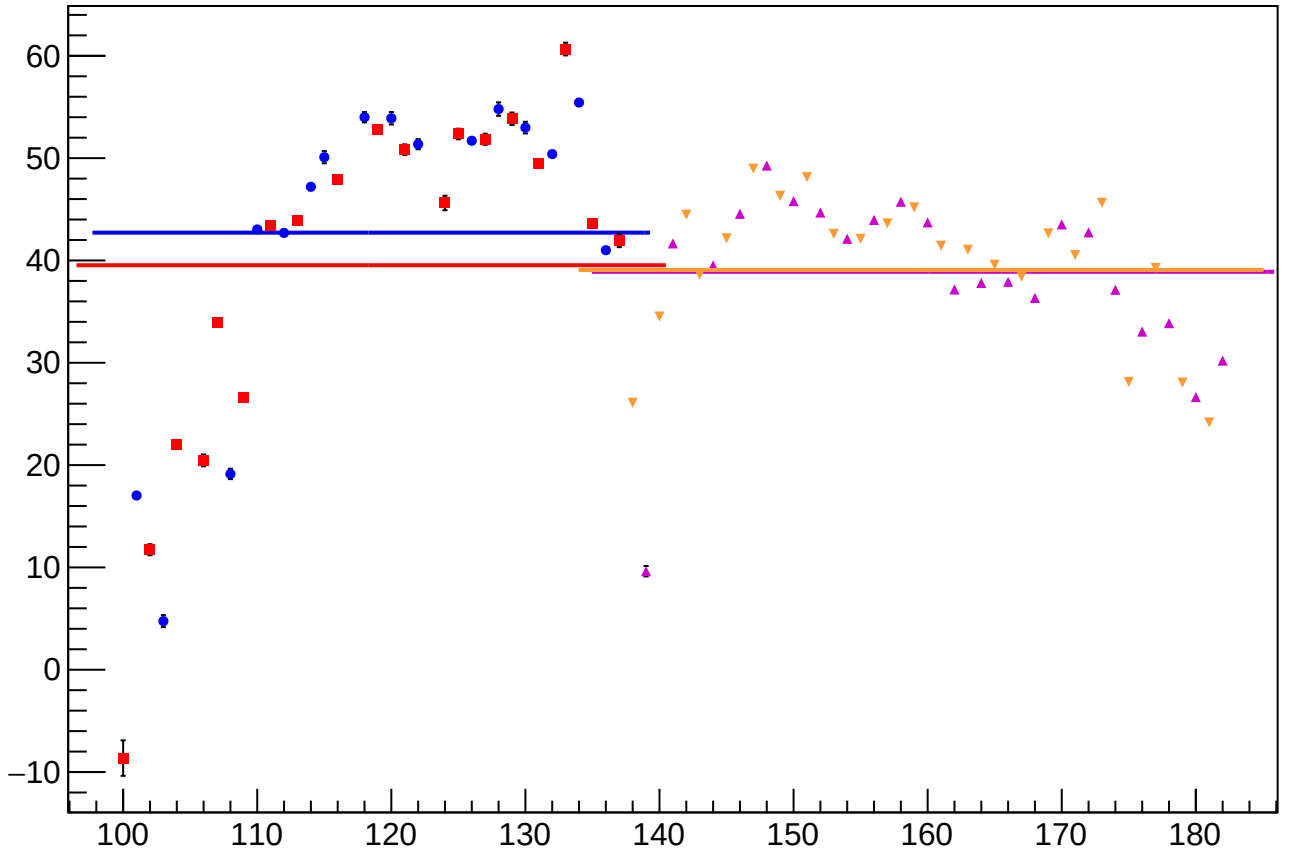
Left: -27.253+/-0.041 χ^2/NDF: 84762.2/44

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -31.241+/-0.046 χ^2/NDF:64039.2/37

Out: -30.971+/-0.043 χ^2/NDF:66896.7/41

All: -31.097+/-0.031 χ^2/NDF: 130954.7/79



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 39.068+/-0.049 χ^2/NDF:19623.2/22

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 38.892+/-0.051 χ^2/NDF:16017.9/21

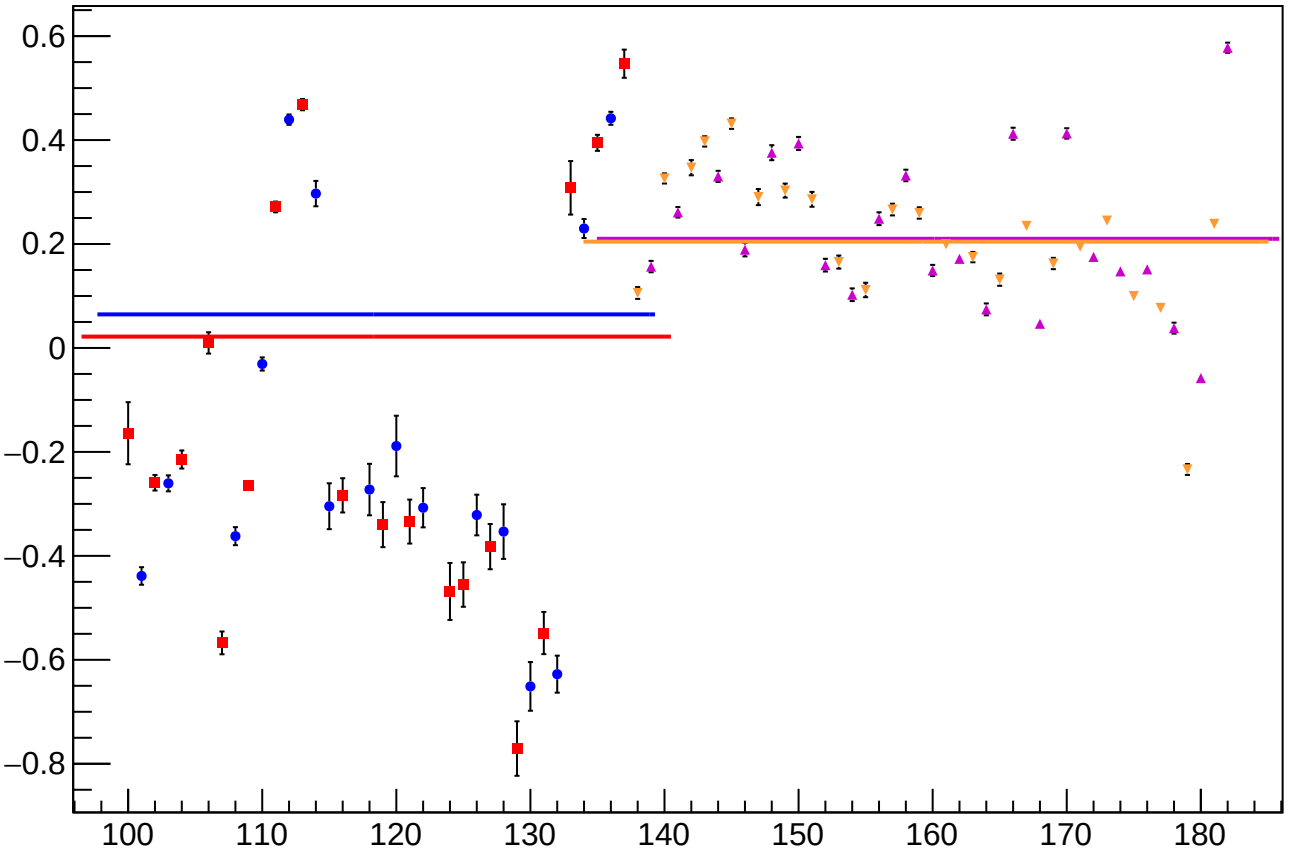
Left: 38.982+/-0.035 χ^2/NDF: 35647.3/44

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 39.893+/-0.044 χ^2/NDF:32276.7/37

Out: 39.201+/-0.042 χ^2/NDF:37626.7/41

All: 39.533+/-0.030 χ^2/NDF: 70035.1/79



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.205+/-0.002 χ^2/NDF:3590.2/22

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.210+/-0.002 χ^2/NDF:4599.2/21

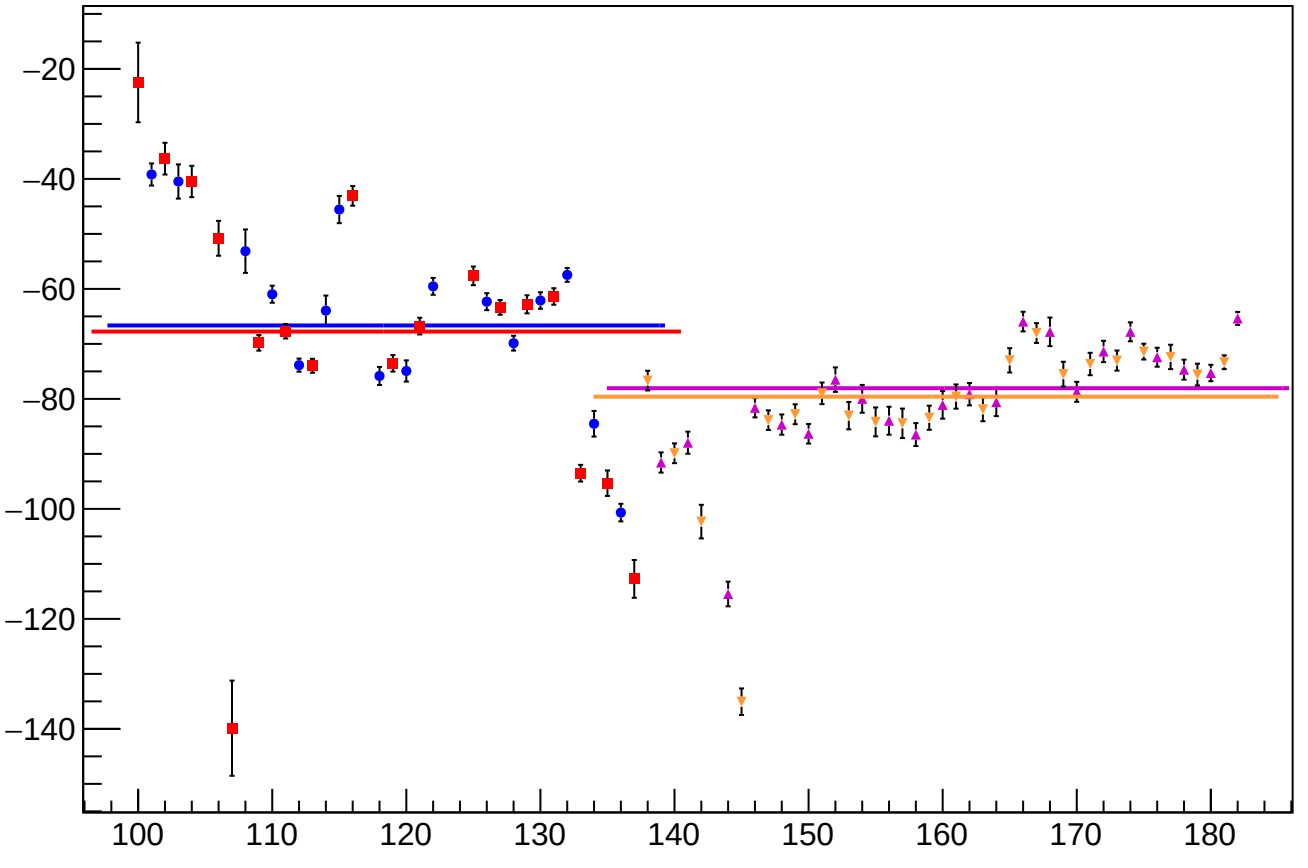
Left: 0.207+/-0.002 χ^2/NDF: 8192.4/44

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.184+/-0.002 χ^2/NDF:10838.7/37

Out: 0.167+/-0.002 χ^2/NDF:11372.9/41

All: 0.175+/-0.001 χ^2/NDF: 22248.3/79



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -79.600+/-0.420 χ^2/NDF:788.2/21

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -78.056+/-0.403 χ^2/NDF:662.2/21

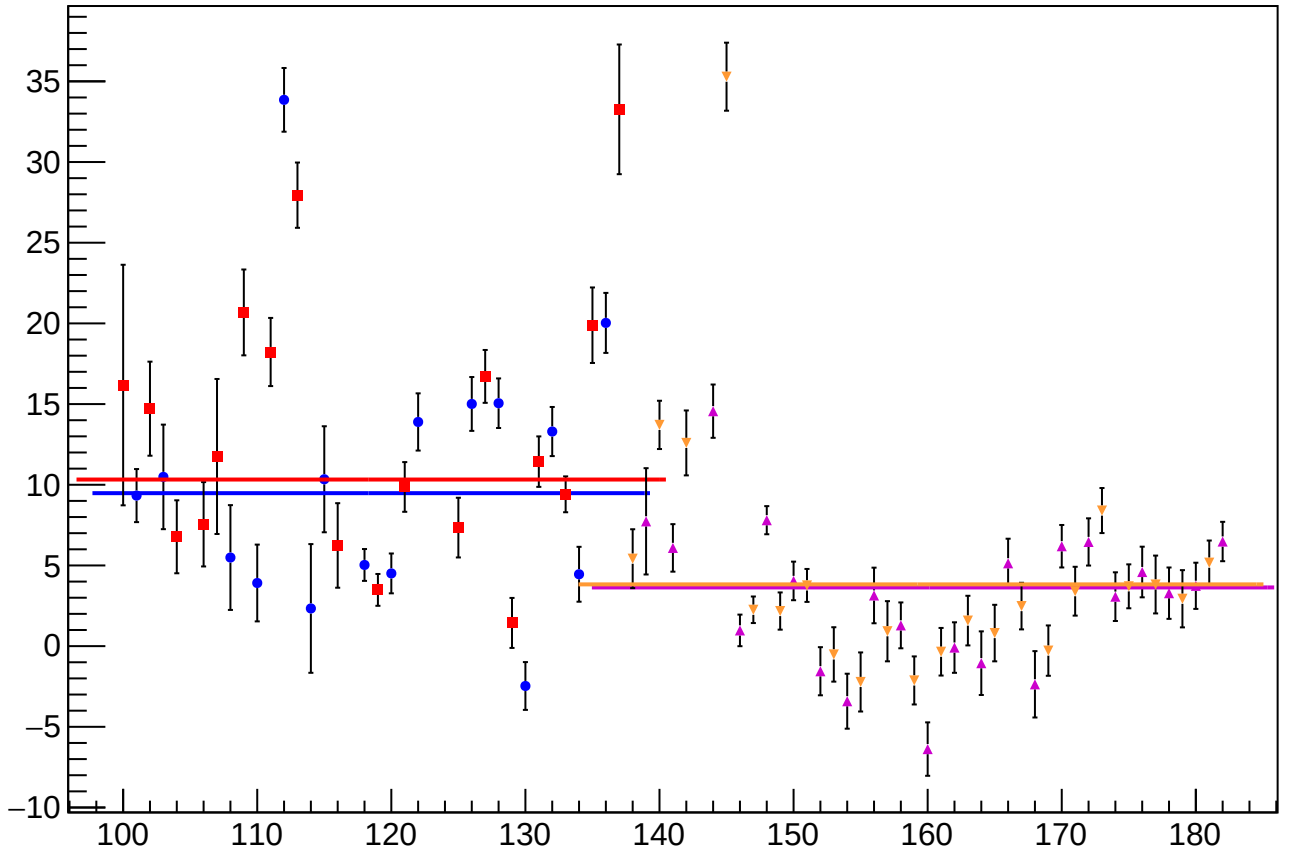
Left: -78.797+/-0.291 χ^2/NDF: 1457.5/43

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -72.665+/-0.293 χ^2/NDF:2092.8/37

Out: -73.674+/-0.297 χ^2/NDF:2442.1/39

All: -73.163+/-0.208 χ^2/NDF: 4540.7/77



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.827+/-0.308 χ^2/NDF:360.7/21

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 3.637+/-0.305 χ^2/NDF:181.4/21

Left: 3.731+/-0.217 χ^2/NDF: 542.3/43

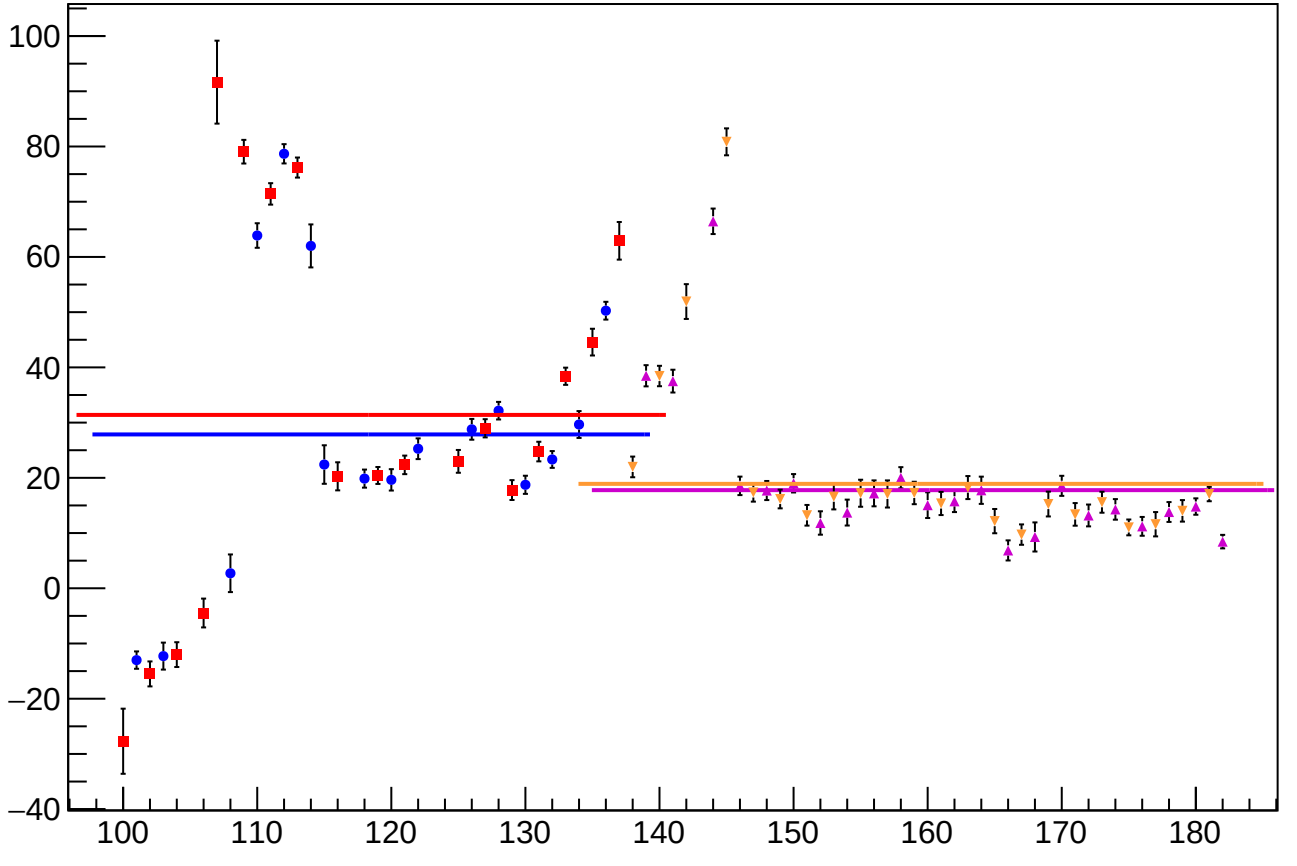
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.604+/-0.248 χ^2/NDF:646.9/37

Out: 5.992+/-0.251 χ^2/NDF:772.5/39

All: 5.795+/-0.177 χ^2/NDF: 1420.6/77

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 18.908+/-0.414 χ^2/NDF:983.5/21

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 17.770+/-0.399 χ^2/NDF:805.0/21

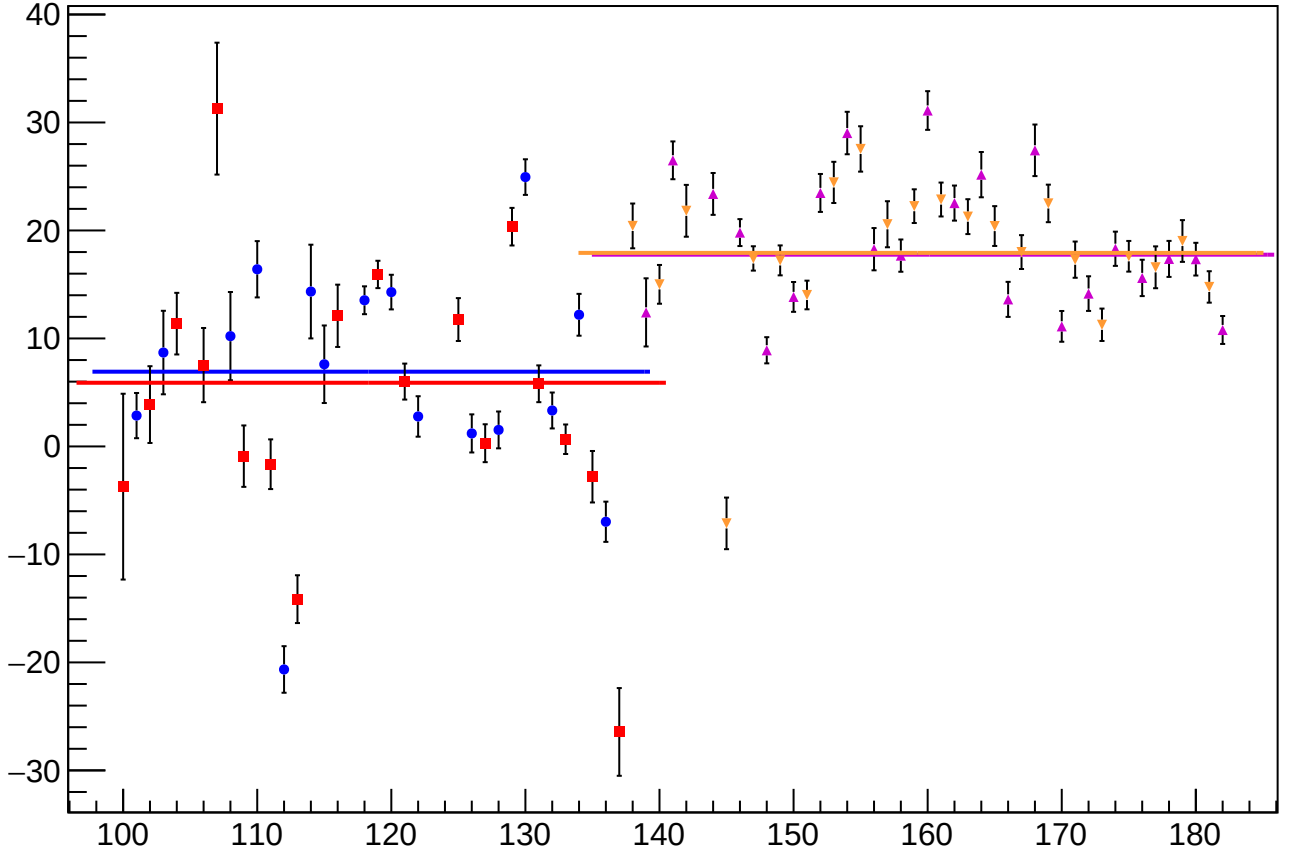
Left: 18.318+/-0.287 χ^2/NDF: 1792.5/43

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 21.869+/-0.307 χ^2/NDF:3538.7/37

Out: 24.145+/-0.316 χ^2/NDF:4375.7/39

All: 22.976+/-0.220 χ^2/NDF: 7941.1/77



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 17.924+/-0.353 χ^2/NDF:216.0/21

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 17.756+/-0.346 χ^2/NDF:301.0/21

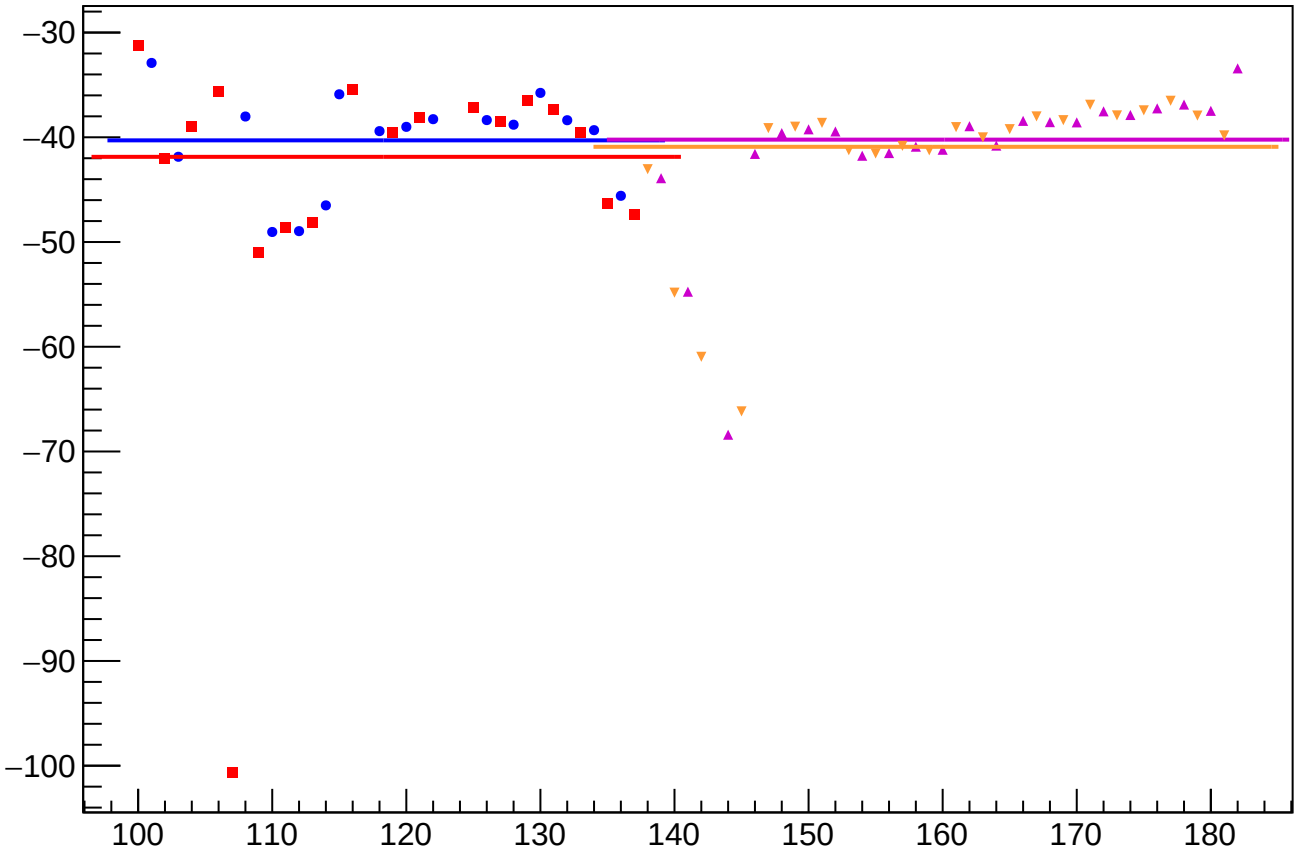
Left: 17.838+/-0.247 χ^2/NDF: 517.1/43

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 14.199+/-0.284 χ^2/NDF:1066.4/37

Out: 13.940+/-0.289 χ^2/NDF:967.9/39

All: 14.071+/-0.202 χ^2/NDF: 2034.7/77



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -40.909+/-0.016 χ^2/NDF:141332.9/21

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -40.225+/-0.016 χ^2/NDF:131697.0/21

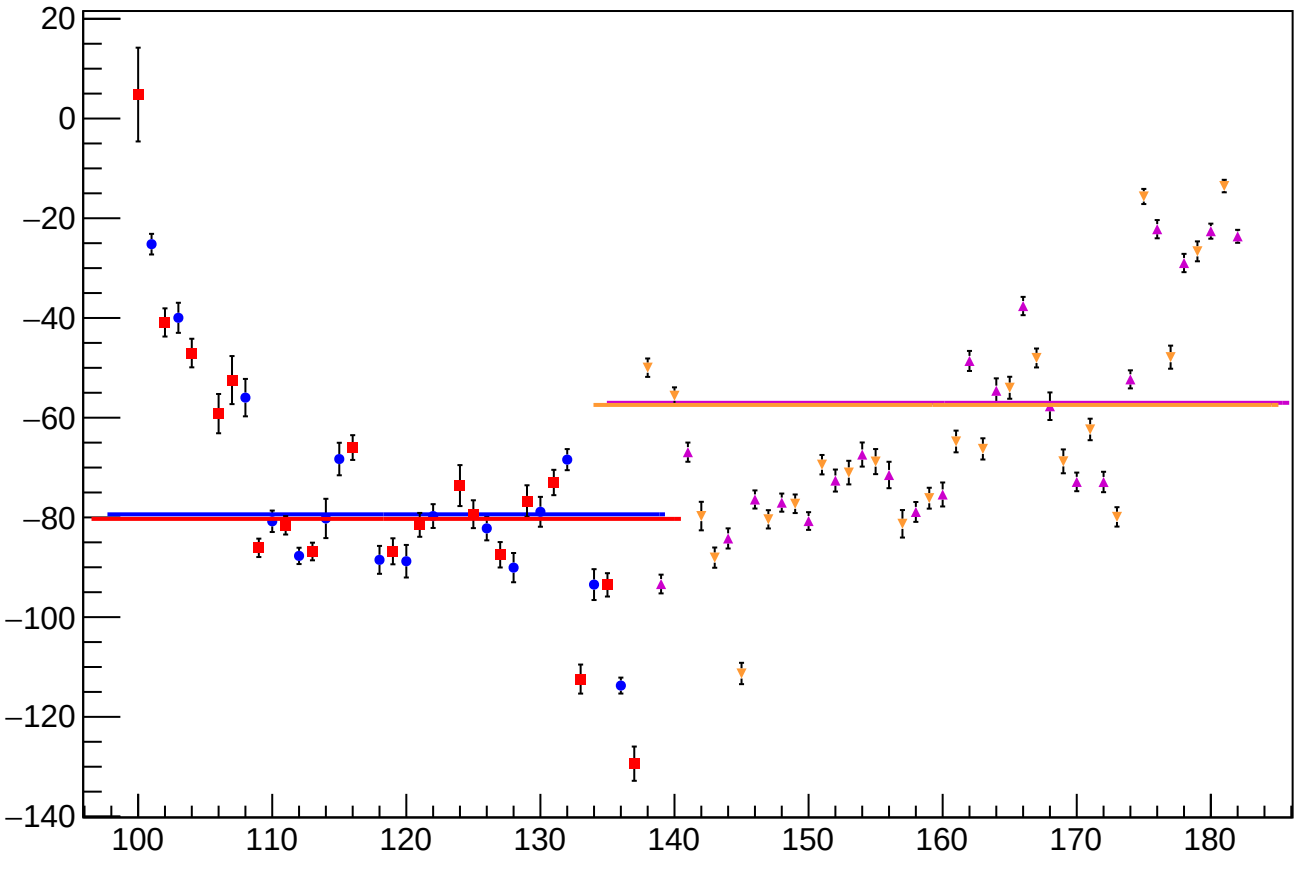
Left: -40.553+/-0.011 χ^2/NDF: 273955.2/43

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -40.238+/-0.014 χ^2/NDF:152364.3/37

Out: -41.104+/-0.014 χ^2/NDF:200776.6/39

All: -40.655+/-0.010 χ^2/NDF: 354993.7/77



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -57.438+/-0.414 χ^2/NDF:3909.2/22

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -57.016+/-0.410 χ^2/NDF:3316.2/21

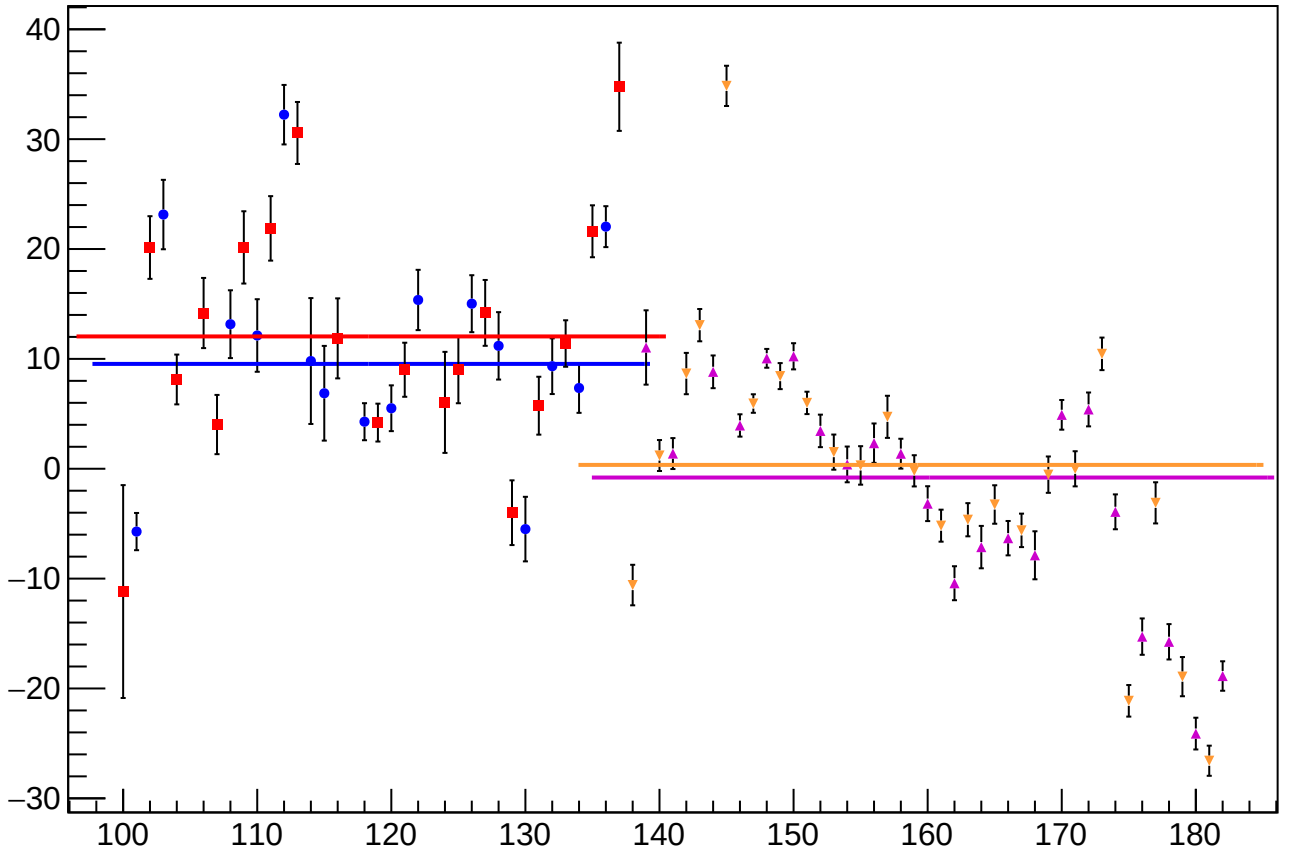
Left: -57.225+/-0.291 χ^2/NDF: 7226.0/44

Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -63.952+/-0.340 χ^2/NDF:5716.4/37

Out: -64.734+/-0.341 χ^2/NDF:5798.7/41

All: -64.342+/-0.241 χ^2/NDF: 11517.7/79



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 0.350+/-0.303 χ^2/NDF:1432.2/22

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

Left In: -0.800+/-0.307 χ^2/NDF:1056.0/21

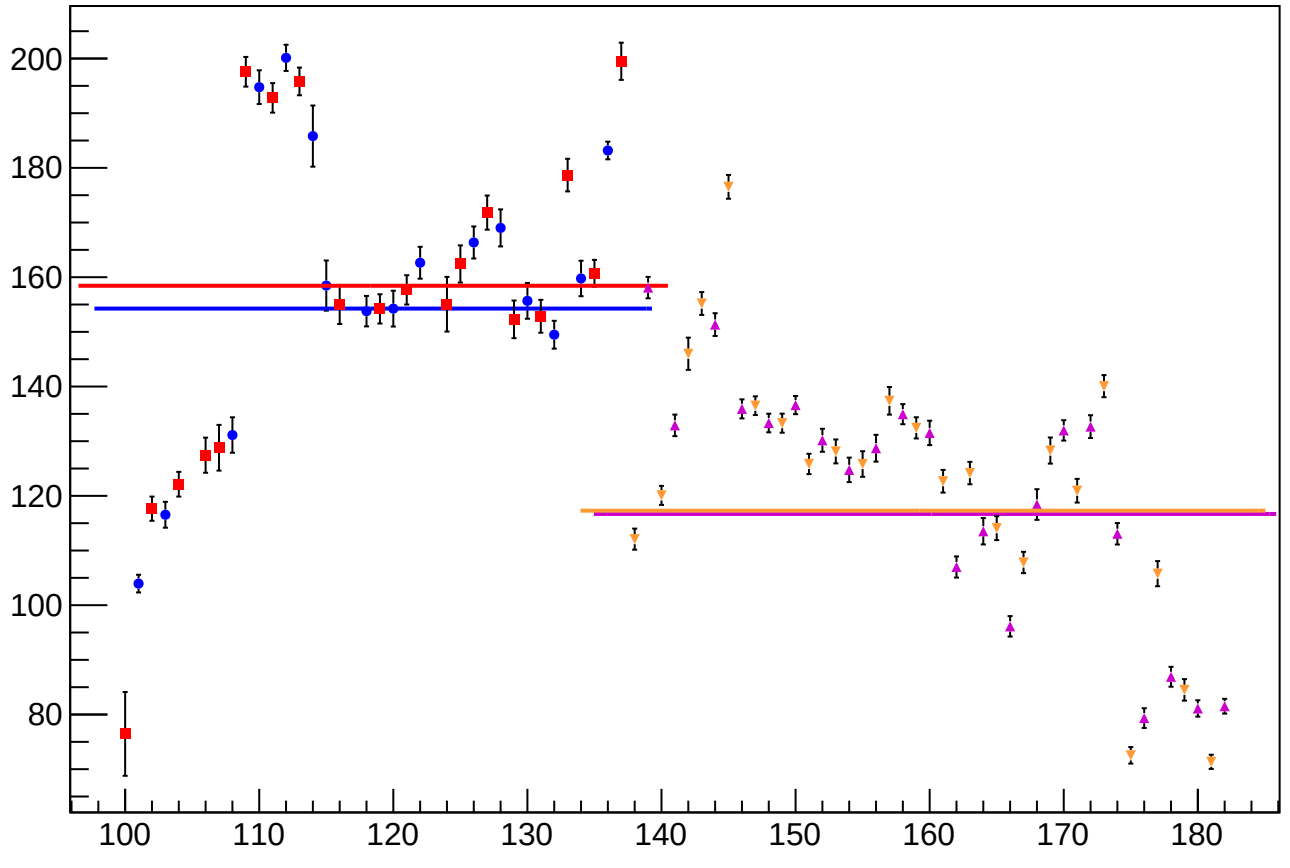
Left: -0.218+/-0.216 χ^2/NDF: 2495.2/44

Right: 10.762+/-0.445 χ^2/NDF: 470.8/34

In: 1.228+/-0.275 χ^2/NDF:1545.8/37

Out: 2.507+/-0.274 χ^2/NDF:1903.0/41

All: 1.871+/-0.194 χ^2/NDF: 3459.7/79



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 117.292+/-0.409 χ^2/NDF:4188.0/22

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 116.689+/-0.405 χ^2/NDF:3591.9/21

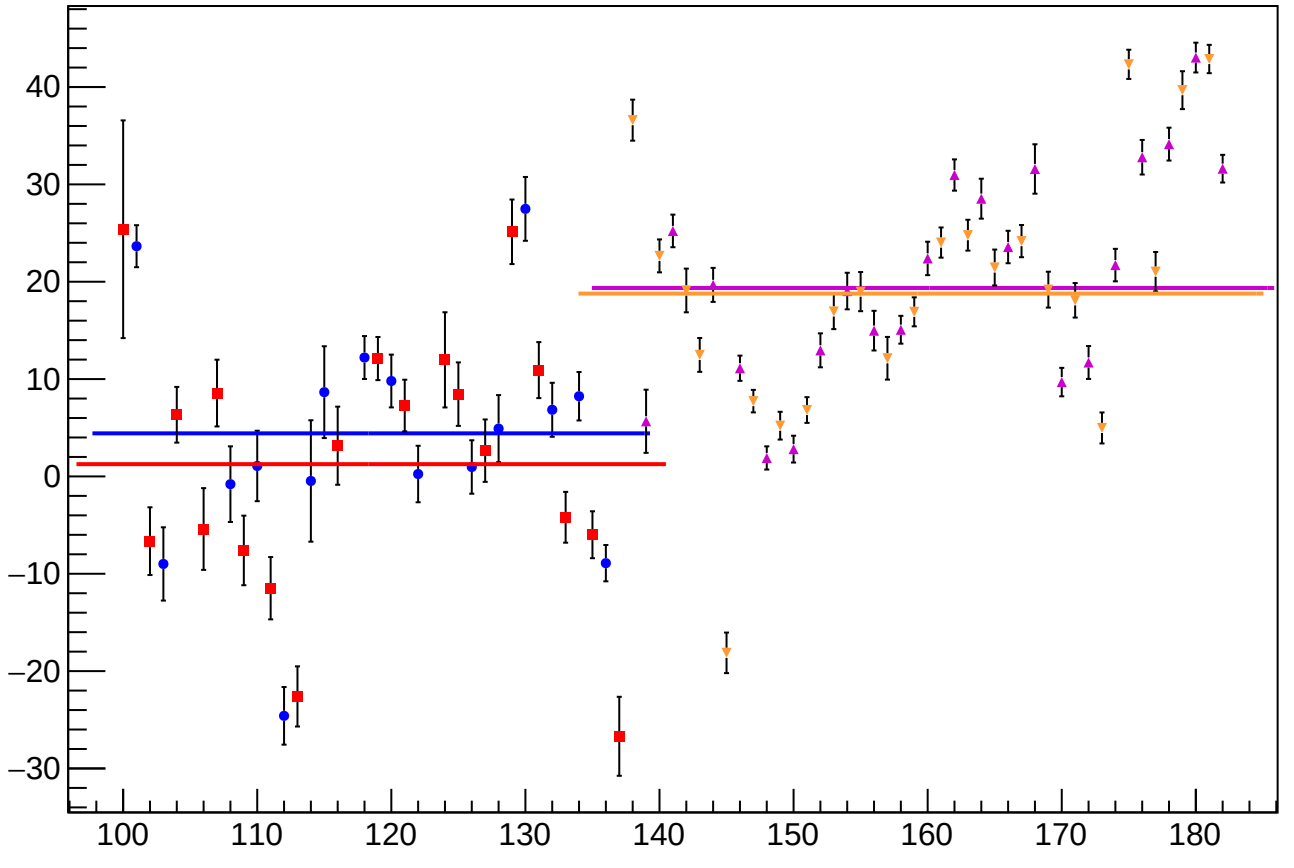
Left: 116.987+/-0.288 χ^2/NDF: 7781.0/44

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 126.911+/-0.345 χ^2/NDF:8152.1/37

Out: 128.156+/-0.351 χ^2/NDF:8525.9/41

All: 127.523+/-0.246 χ^2/NDF: 16684.5/79



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 18.782+/-0.348 χ^2/NDF:1430.6/22

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 19.359+/-0.349 χ^2/NDF:1075.5/21

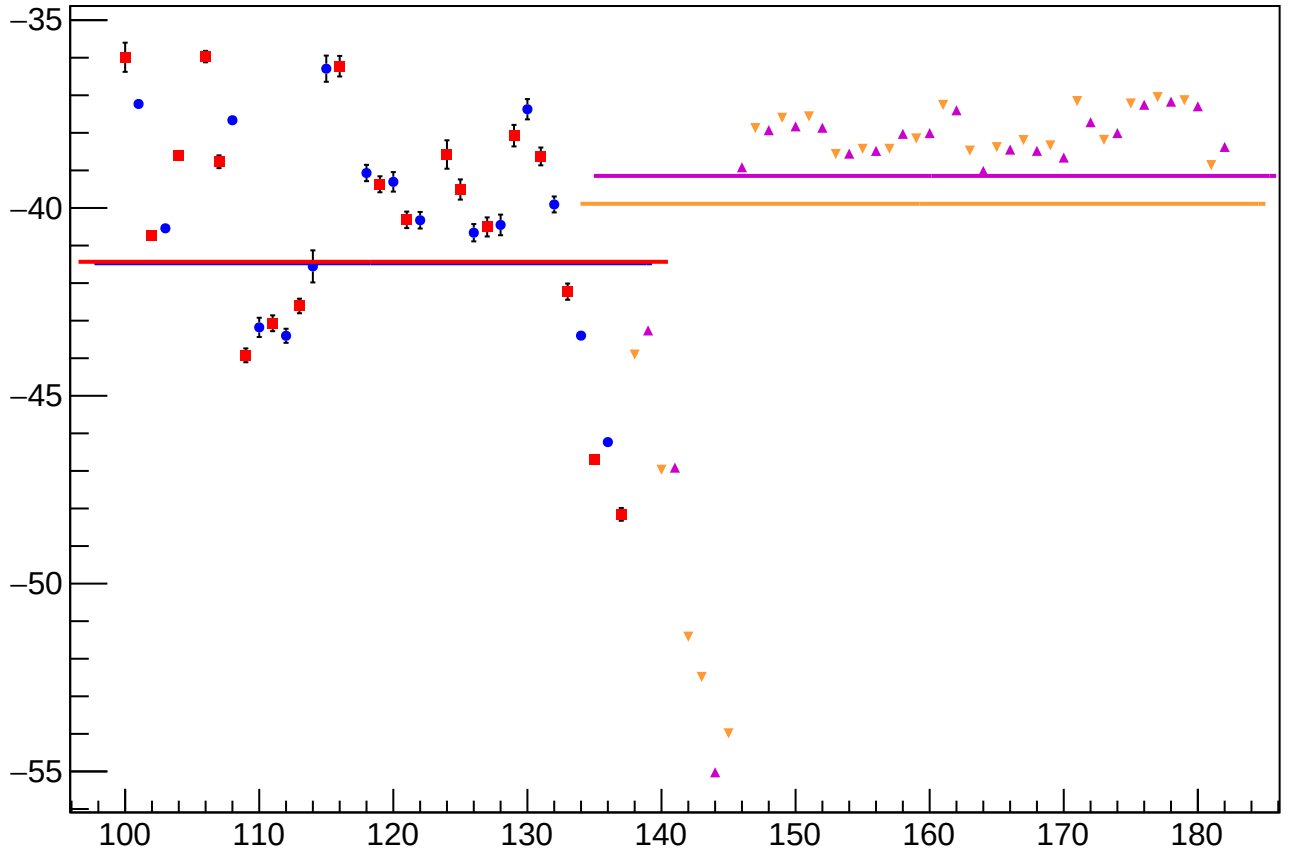
Left: 19.069+/-0.247 χ^2/NDF: 2507.5/44

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 16.474+/-0.314 χ^2/NDF:1744.6/37

Out: 15.550+/-0.314 χ^2/NDF:2163.3/41

All: 16.013+/-0.222 χ^2/NDF: 3912.2/79



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -39.888+/-0.016 χ^2/NDF:81013.1/22

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -39.146+/-0.016 χ^2/NDF:46907.4/21

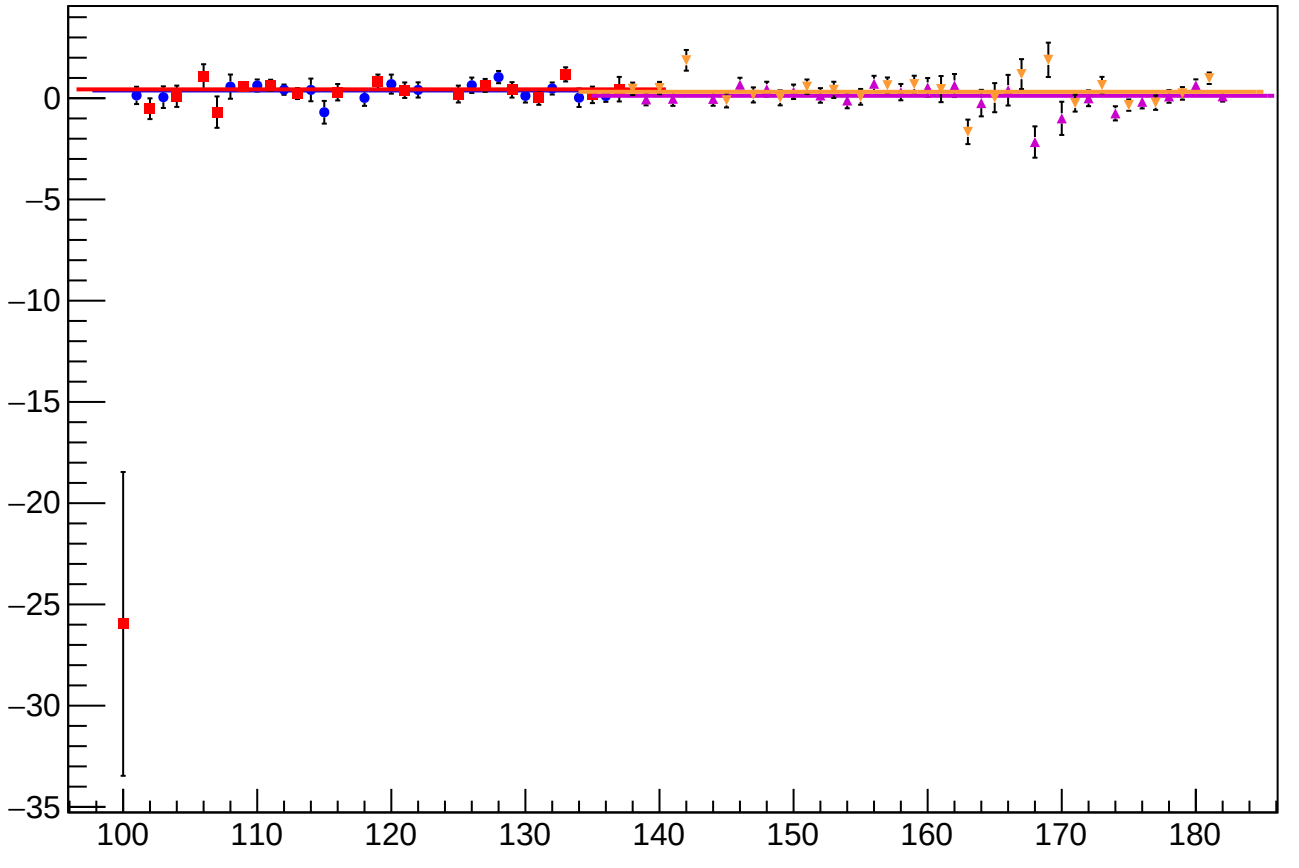
Left: -39.511+/-0.011 χ^2/NDF: 129005.9/44

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -39.487+/-0.015 χ^2/NDF:57997.4/37

Out: -40.108+/-0.015 χ^2/NDF:90549.4/41

All: -39.791+/-0.010 χ^2/NDF: 149433.8/79



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.317+/-0.083 χ^2/NDF:46.2/21

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.119+/-0.081 χ^2/NDF:30.0/21

Left: 0.215+/-0.058 χ^2/NDF: 79.1/43

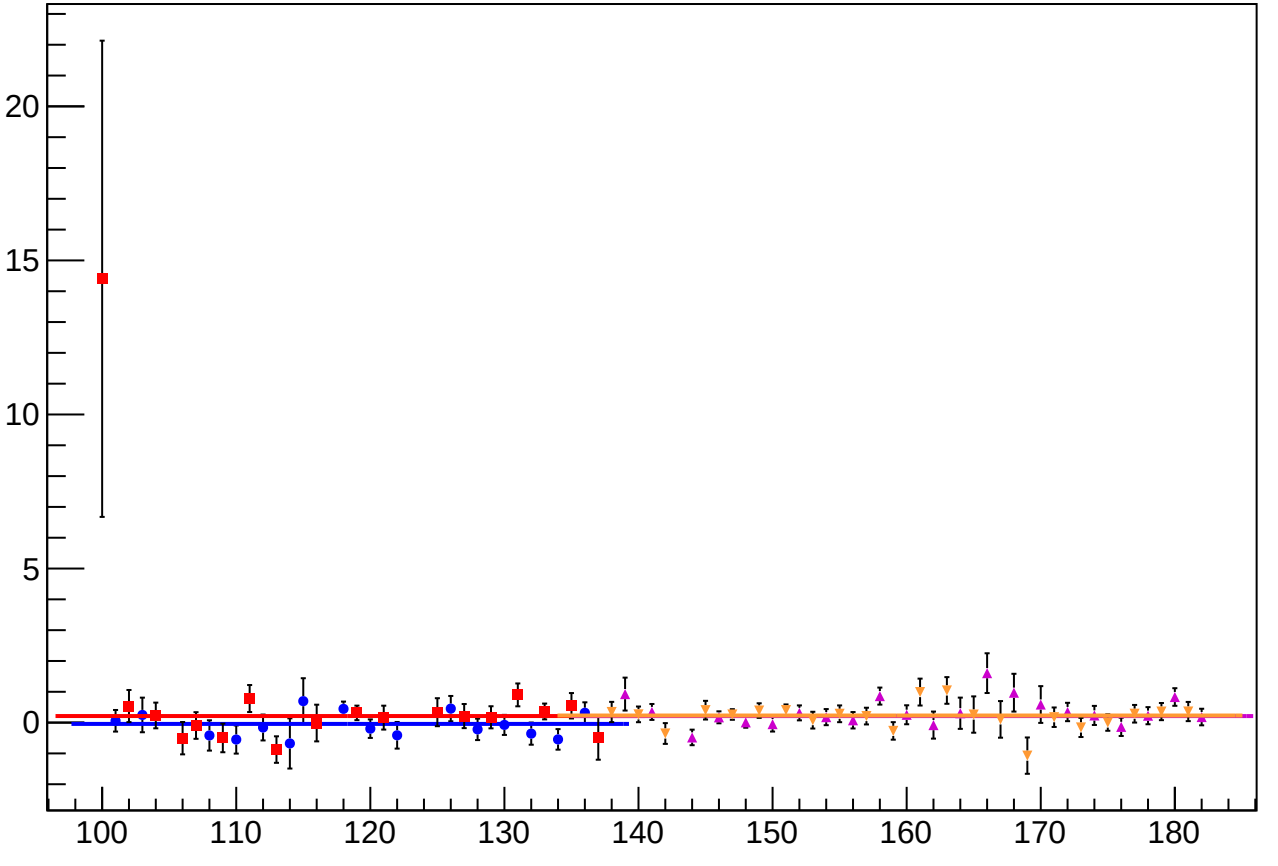
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.233+/-0.061 χ^2/NDF:48.6/37

Out: 0.371+/-0.061 χ^2/NDF:76.1/39

All: 0.302+/-0.043 χ^2/NDF: 127.3/77

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.230+/-0.061 χ^2/NDF:22.5/21

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.212+/-0.061 χ^2/NDF:31.6/21

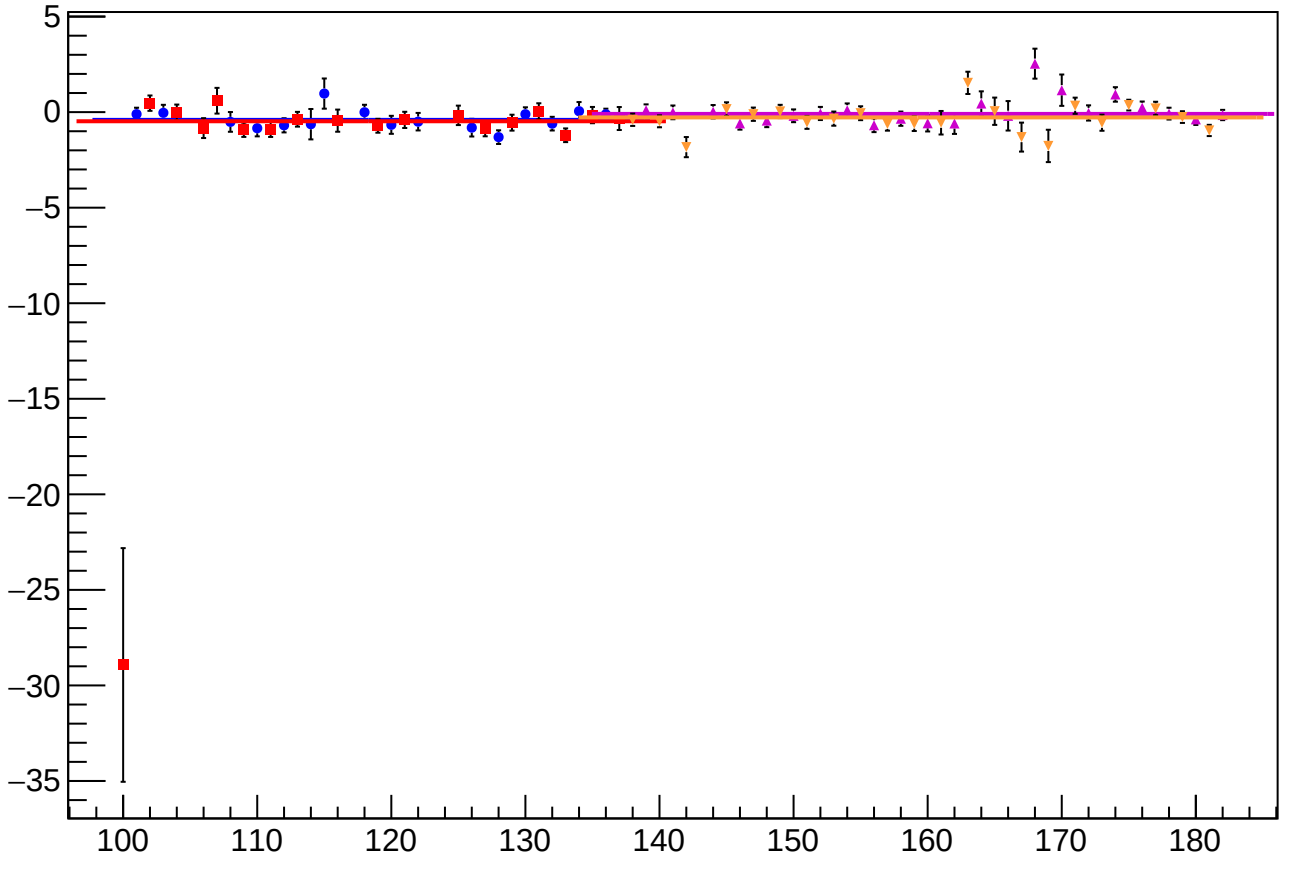
Left: 0.221+/-0.043 χ^2/NDF: 54.1/43

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.137+/-0.051 χ^2/NDF:51.7/37

Out: 0.225+/-0.051 χ^2/NDF:45.0/39

All: 0.180+/-0.036 χ^2/NDF: 98.2/77



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.277+/-0.081 χ^2/NDF:44.3/21

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.094+/-0.079 χ^2/NDF:33.0/21

Left: -0.183+/-0.057 χ^2/NDF: 79.9/43

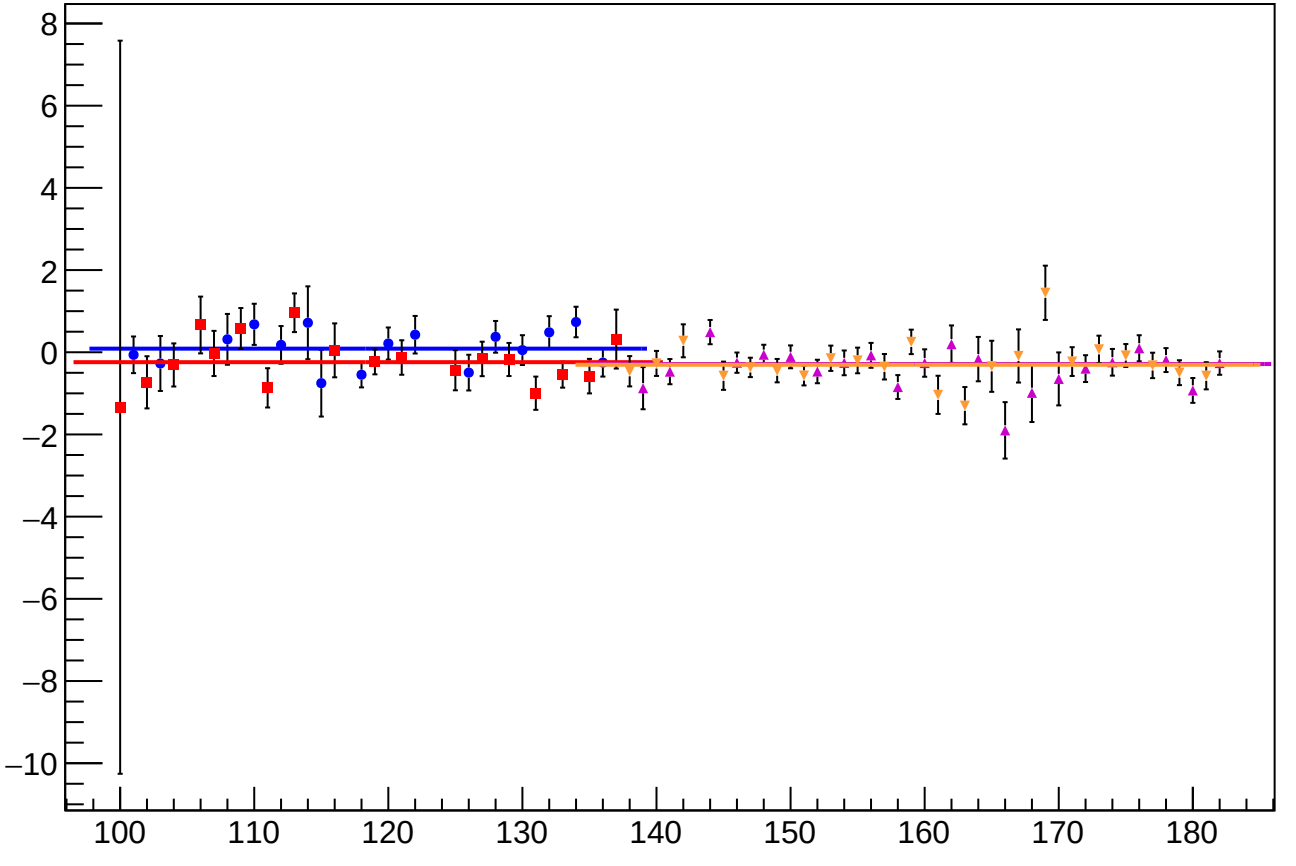
Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.210+/-0.063 χ^2/NDF:56.5/37

Out: -0.353+/-0.064 χ^2/NDF:88.9/39

All: -0.280+/-0.045 χ^2/NDF: 147.9/77

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.304+/-0.071 χ^2/NDF:25.8/21

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.287+/-0.070 χ^2/NDF:28.8/21

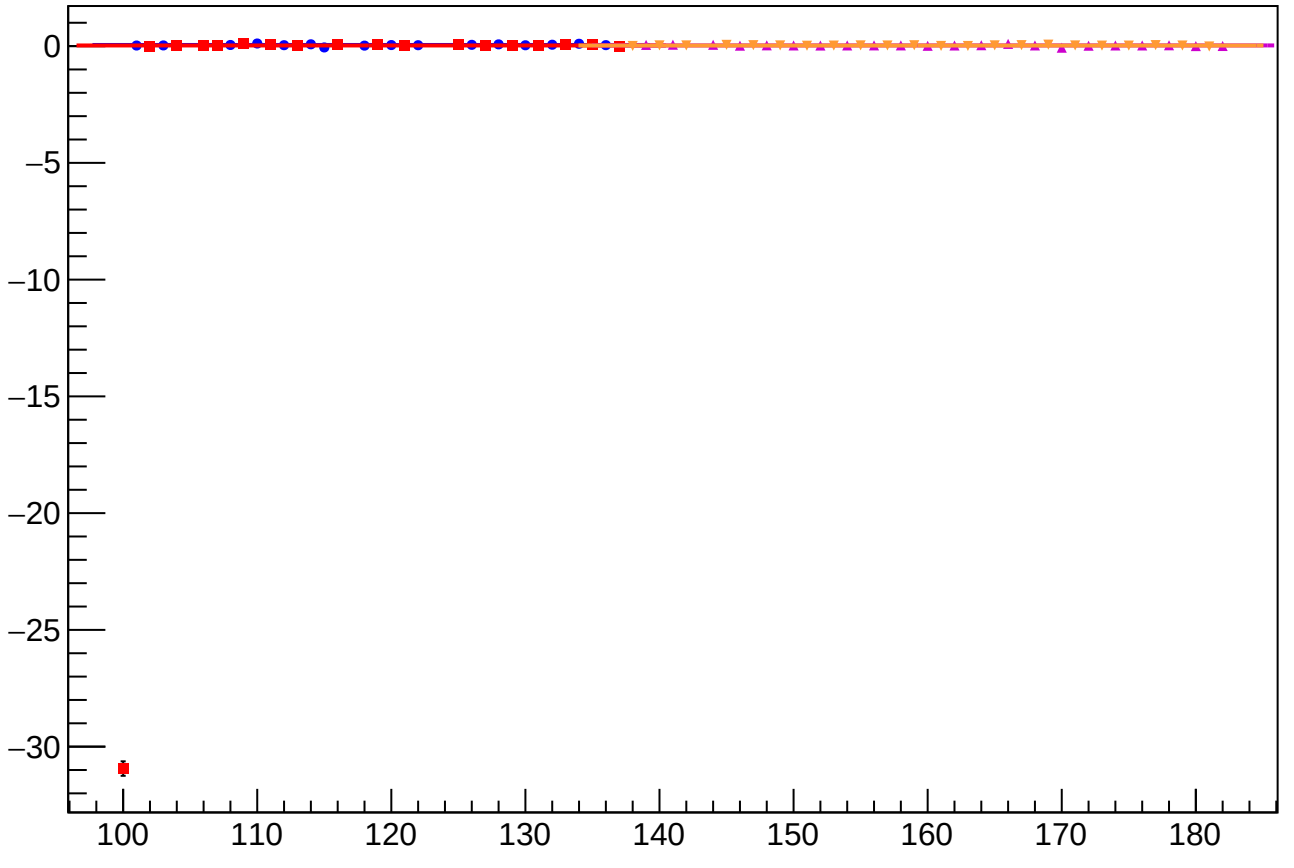
Left: -0.295+/-0.050 χ^2/NDF: 54.6/43

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.177+/-0.059 χ^2/NDF:53.1/37

Out: -0.286+/-0.059 χ^2/NDF:45.7/39

All: -0.231+/-0.042 χ^2/NDF: 100.4/77



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.026+/-0.003 χ^2/NDF:22.1/21

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.029+/-0.003 χ^2/NDF:38.8/21

Left: 0.028+/-0.002 χ^2/NDF: 61.5/43

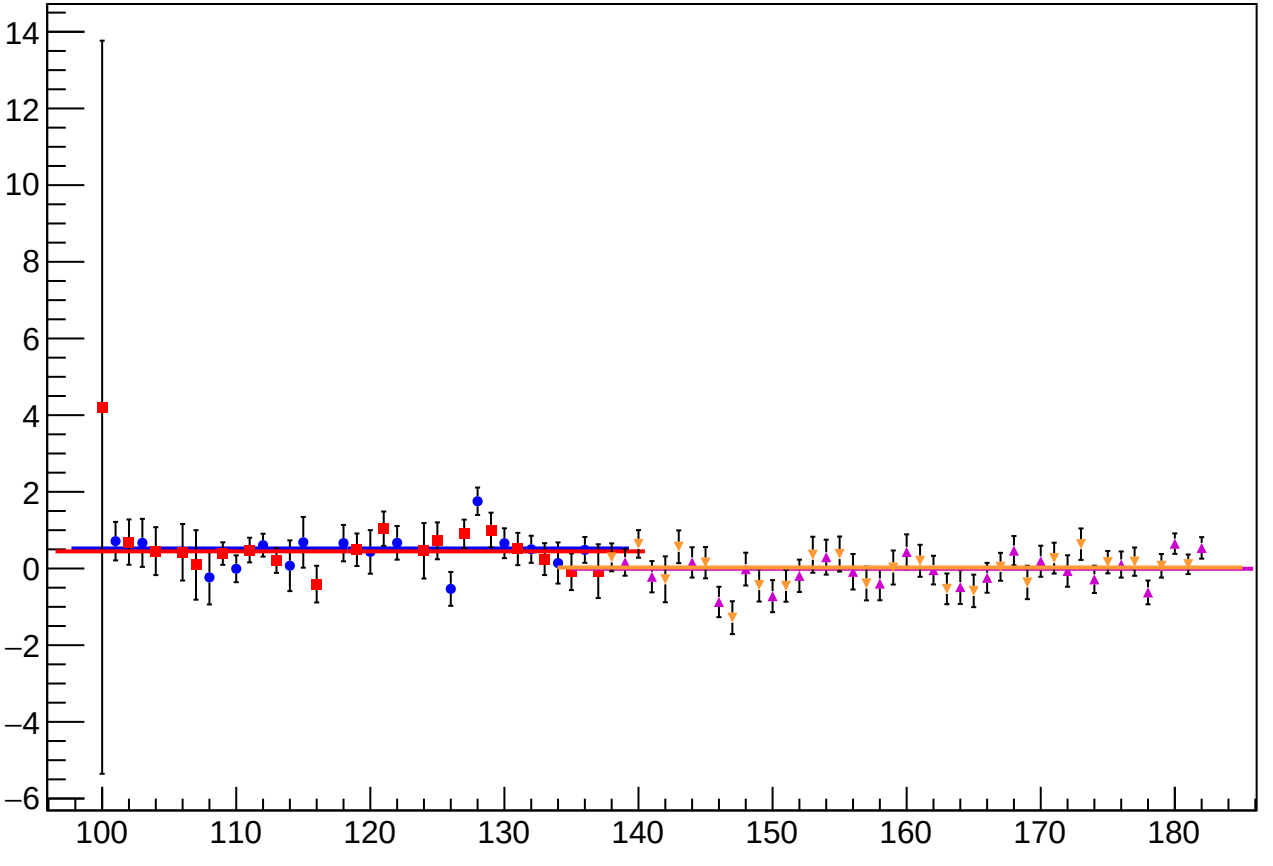
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.033+/-0.003 χ^2/NDF:65.6/37

Out: 0.026+/-0.003 χ^2/NDF:10043.1/39

All: 0.030+/-0.002 χ^2/NDF: 10111.6/77

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.027+/-0.081 χ^2/NDF:27.3/22

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.007+/-0.080 χ^2/NDF:28.5/21

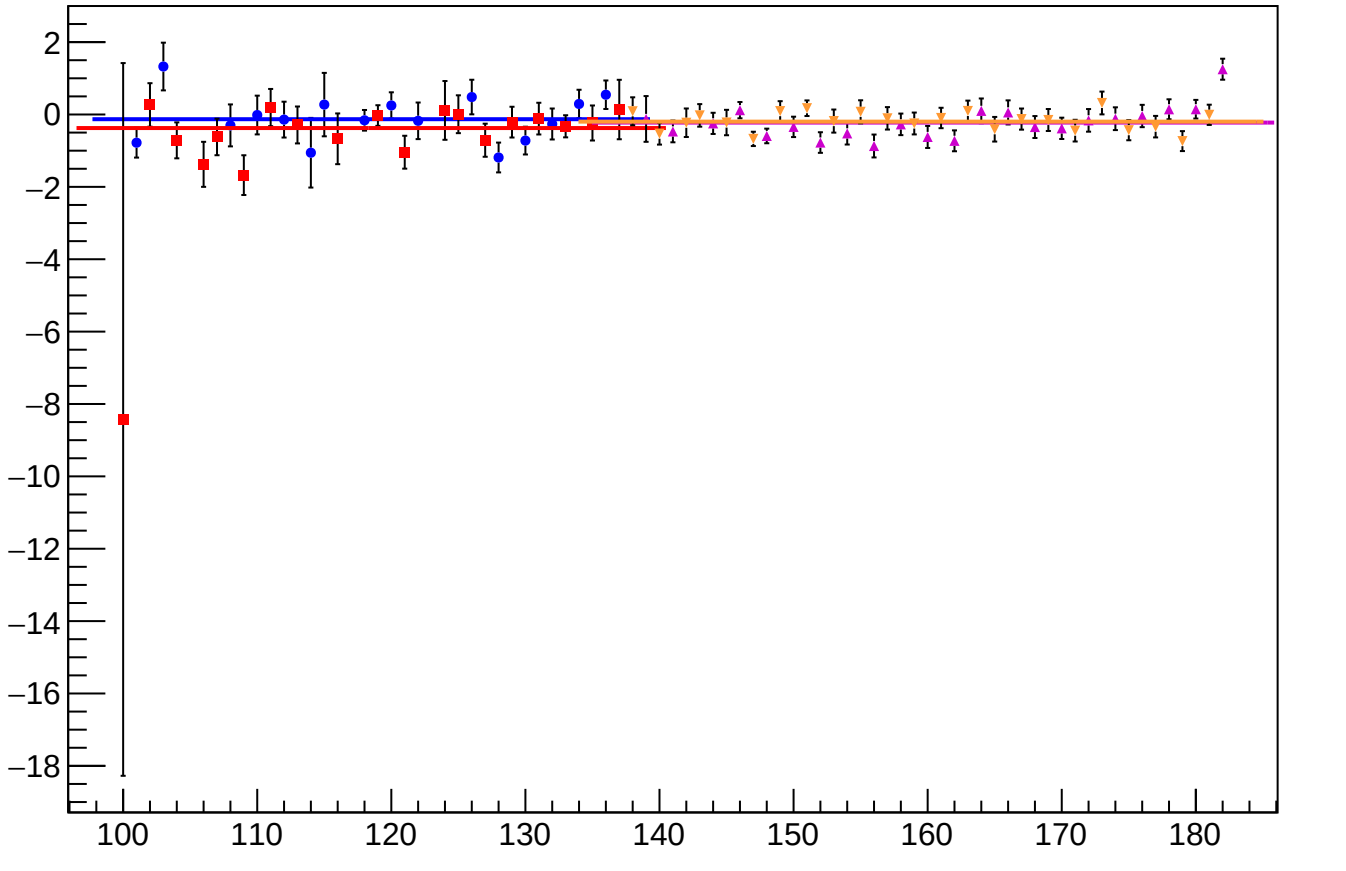
Left: 0.010+/-0.057 χ^2/NDF: 55.9/44

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.181+/-0.065 χ^2/NDF:66.5/37

Out: 0.183+/-0.064 χ^2/NDF:48.8/41

All: 0.182+/-0.045 χ^2/NDF: 115.3/79



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.198+/-0.061 χ^2/NDF:23.1/22

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.224+/-0.062 χ^2/NDF:52.5/21

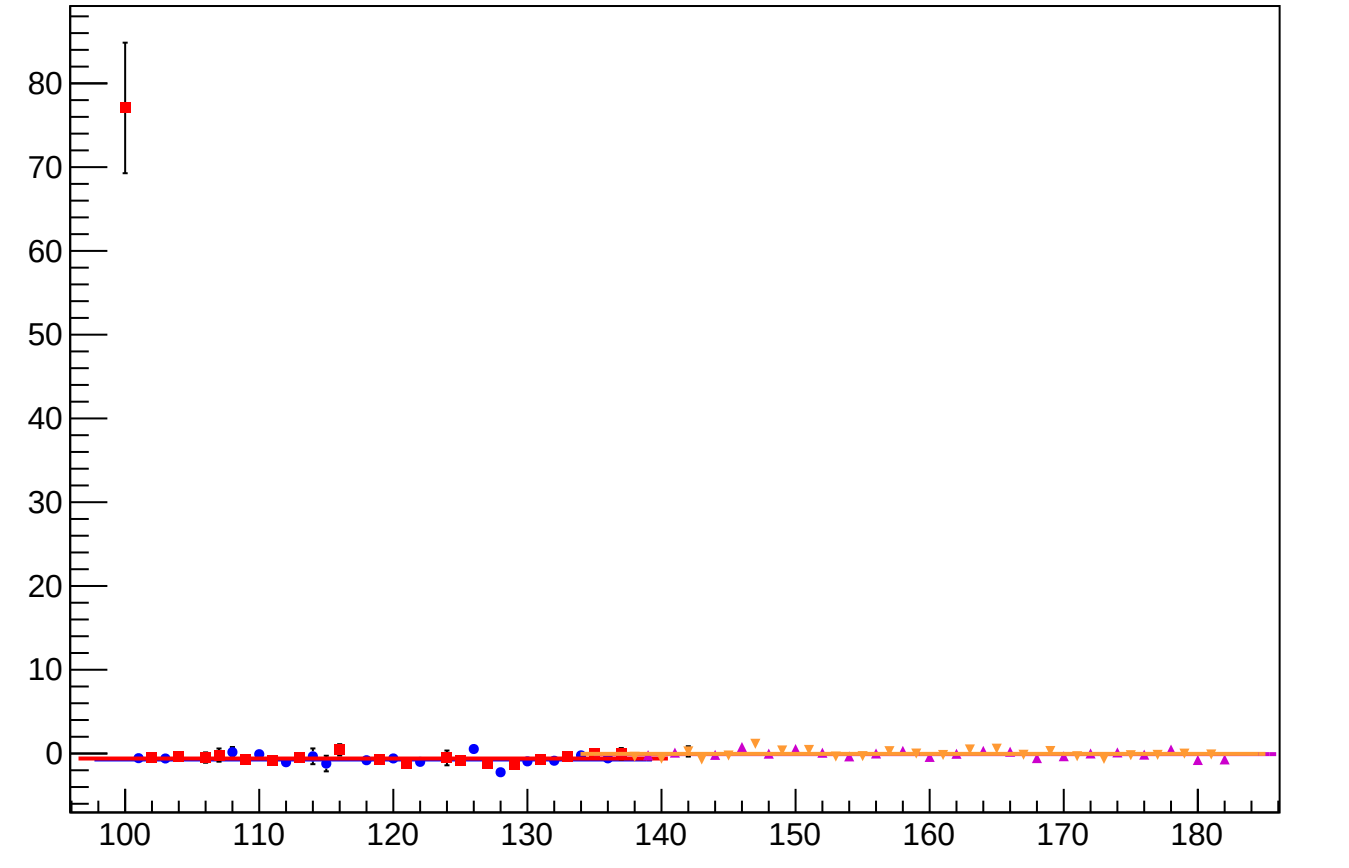
Left: -0.210+/-0.043 χ^2/NDF: 75.6/44

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.202+/-0.054 χ^2/NDF:77.6/37

Out: -0.238+/-0.053 χ^2/NDF:43.2/41

All: -0.220+/-0.038 χ^2/NDF: 121.0/79



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.043+/-0.080 χ^2/NDF:26.9/22

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: -0.074+/-0.080 χ^2/NDF:28.3/21

Left: -0.059+/-0.056 χ^2/NDF: 55.3/44

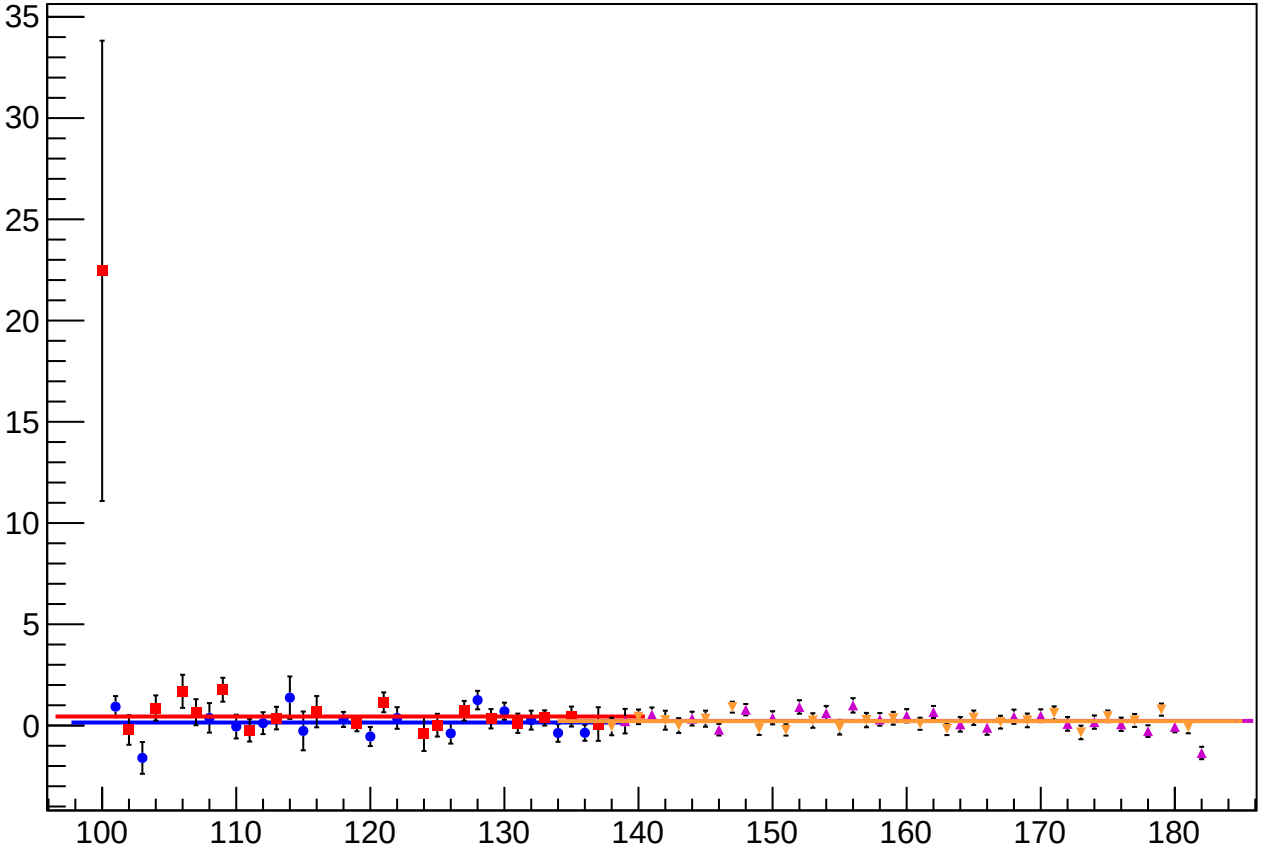
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.266+/-0.067 χ^2/NDF:72.5/37

Out: -0.210+/-0.067 χ^2/NDF:152.4/41

All: -0.238+/-0.047 χ^2/NDF: 225.3/79

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+/-0.069 χ^2/NDF:23.8/22

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.227+/-0.070 χ^2/NDF:53.5/21

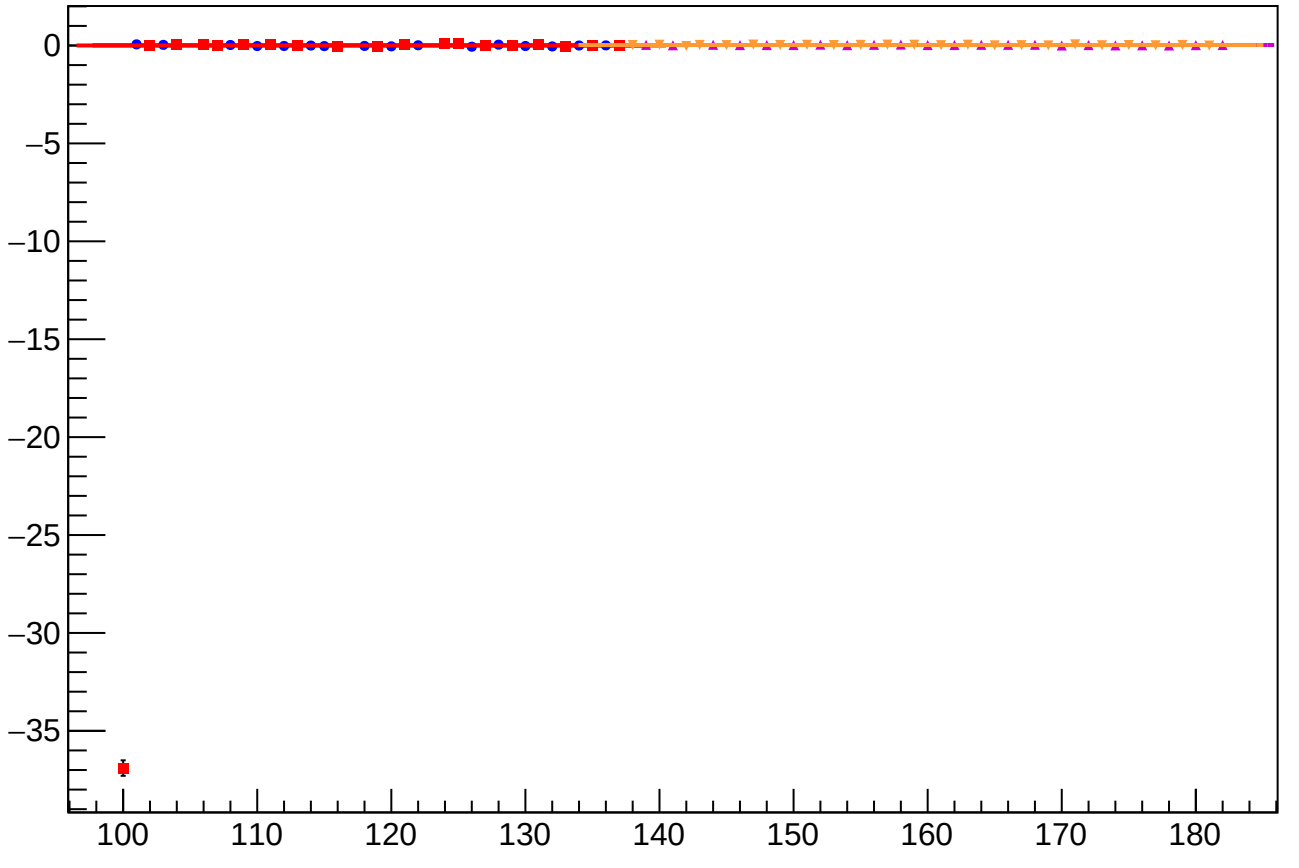
Left: 0.222+/-0.049 χ^2/NDF: 77.3/44

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.209+/-0.061 χ^2/NDF:77.0/37

Out: 0.268+/-0.061 χ^2/NDF:45.9/41

All: 0.239+/-0.043 χ^2/NDF: 123.4/79



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.025+/-0.003 χ^2/NDF:27.7/22

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.025+/-0.003 χ^2/NDF:17.1/21

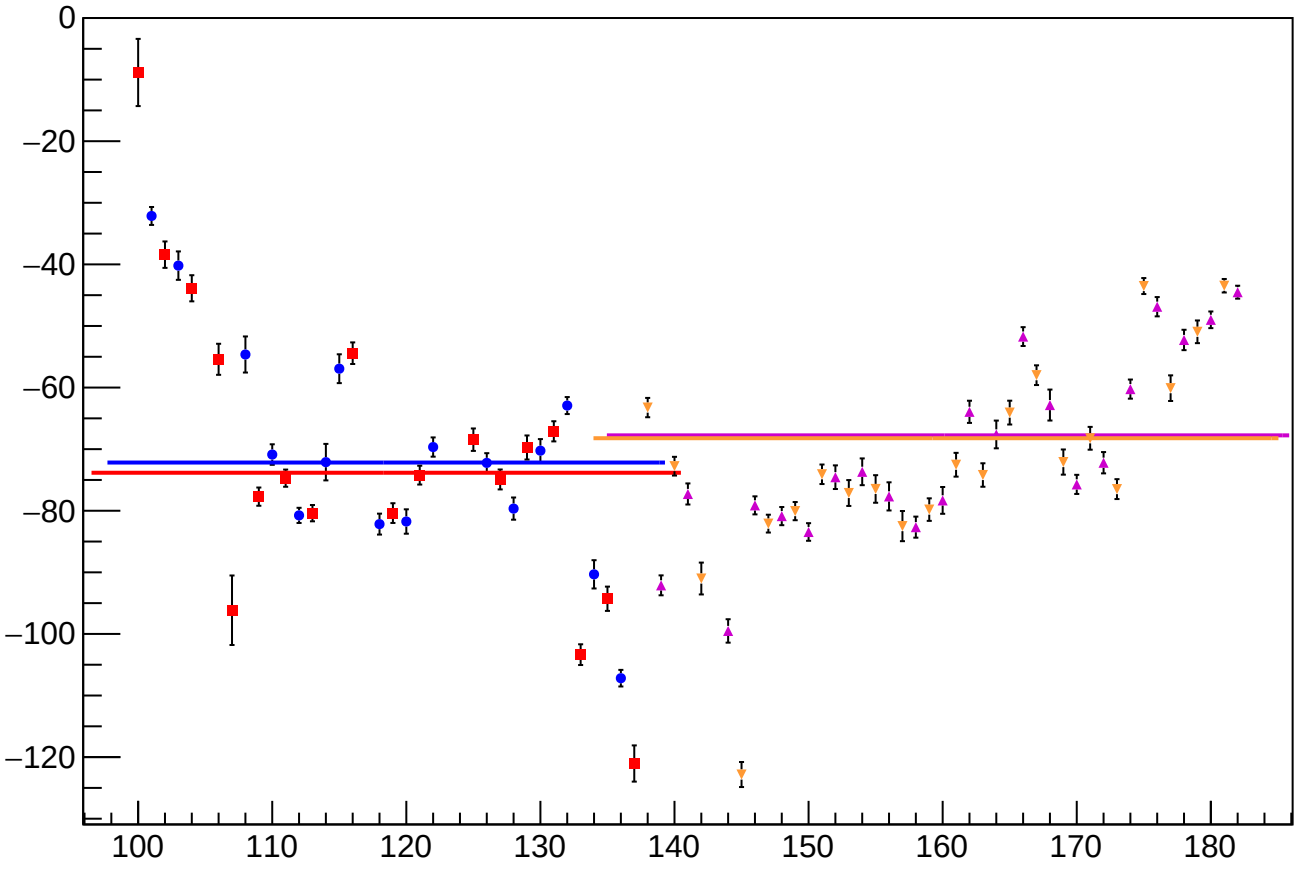
Left: 0.025+/-0.002 χ^2/NDF: 44.7/44

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.022+/-0.003 χ^2/NDF:39.9/37

Out: 0.021+/-0.003 χ^2/NDF:8788.8/41

All: 0.022+/-0.002 χ^2/NDF: 8828.8/79



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -68.225+/-0.365 χ^2/NDF:2159.6/21

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -67.760+/-0.351 χ^2/NDF:2056.3/21

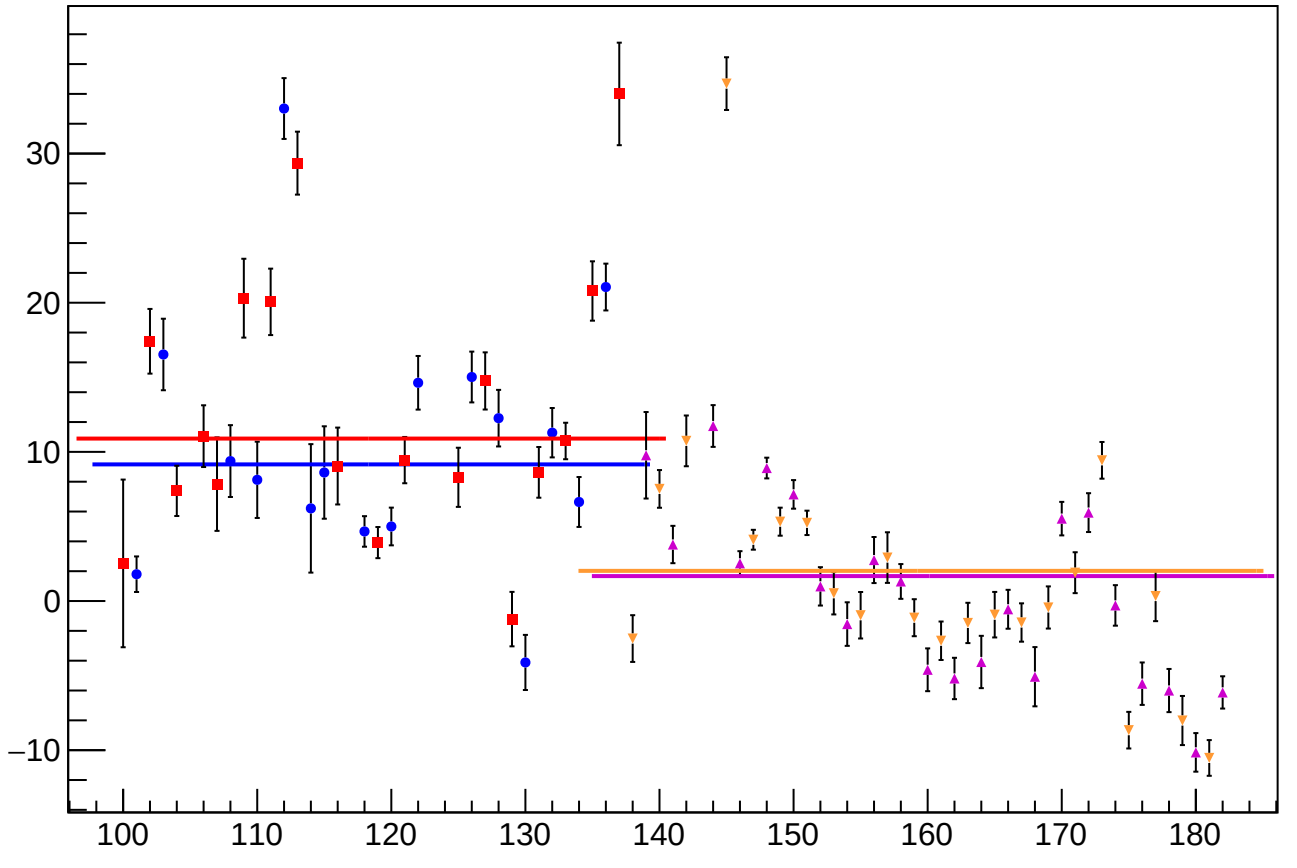
Left: -67.983+/-0.253 χ^2/NDF: 4216.7/43

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

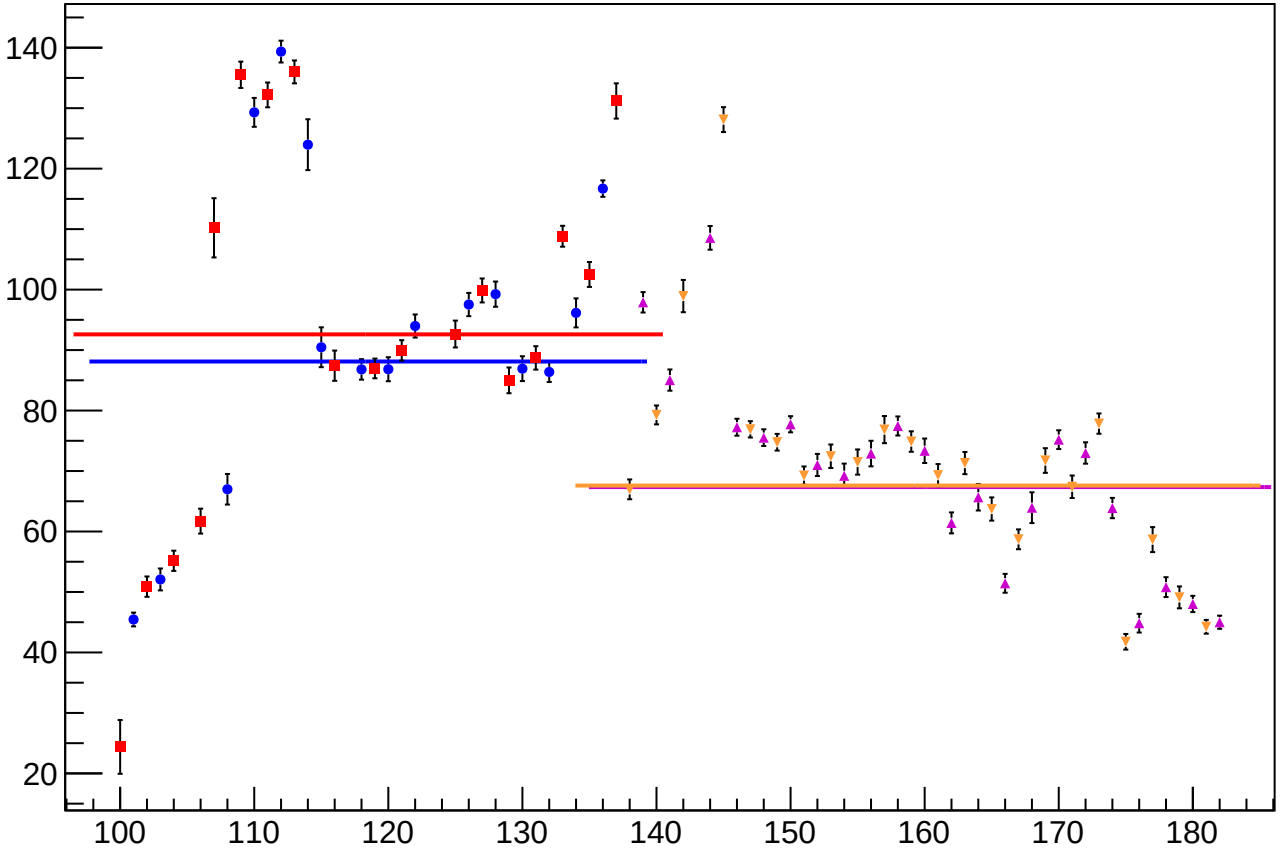
In: -69.514+/-0.272 χ^2/NDF:4055.1/37

Out: -70.565+/-0.278 χ^2/NDF:3816.0/39

All: -70.028+/-0.195 χ^2/NDF: 7878.4/77


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
170
180
Right In: 9.161+/-0.425 χ²/NDF: 352.1/15
Left Out: 2.023+/-0.263 χ²/NDF:737.9/21
Right Out: 10.892+/-0.440 χ²/NDF: 290.2/17
Left In: 1.672+/-0.261 χ²/NDF:493.3/21
Left: 1.846+/-0.185 χ²/NDF: 1232.1/43
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 3.722+/-0.222 χ²/NDF:1070.8/37
Out: 4.357+/-0.226 χ²/NDF:1327.3/39
All: 4.035+/-0.158 χ²/NDF: 2402.1/77

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: 67.598+/-0.359 χ^2/NDF:2202.5/21

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 67.345+/-0.346 χ^2/NDF:2180.3/21

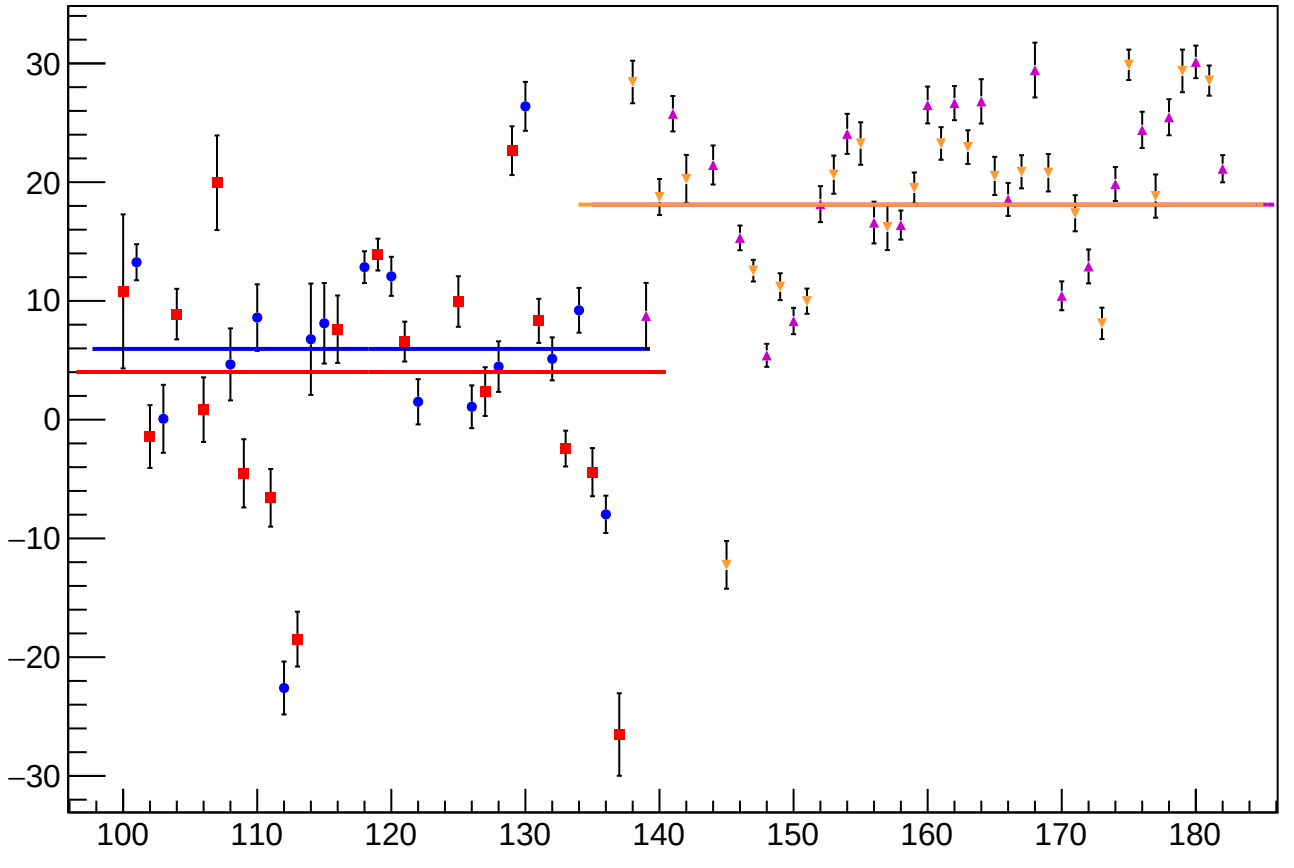
Left: 67.467+/-0.249 χ^2/NDF: 4383.0/43

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 74.681+/-0.279 χ^2/NDF:7011.8/37

Out: 76.500+/-0.288 χ^2/NDF:7137.3/39

All: 75.559+/-0.200 χ^2/NDF: 14169.7/77



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 18.108+/-0.304 χ^2/NDF:693.0/21

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 18.106+/-0.298 χ^2/NDF:604.7/21

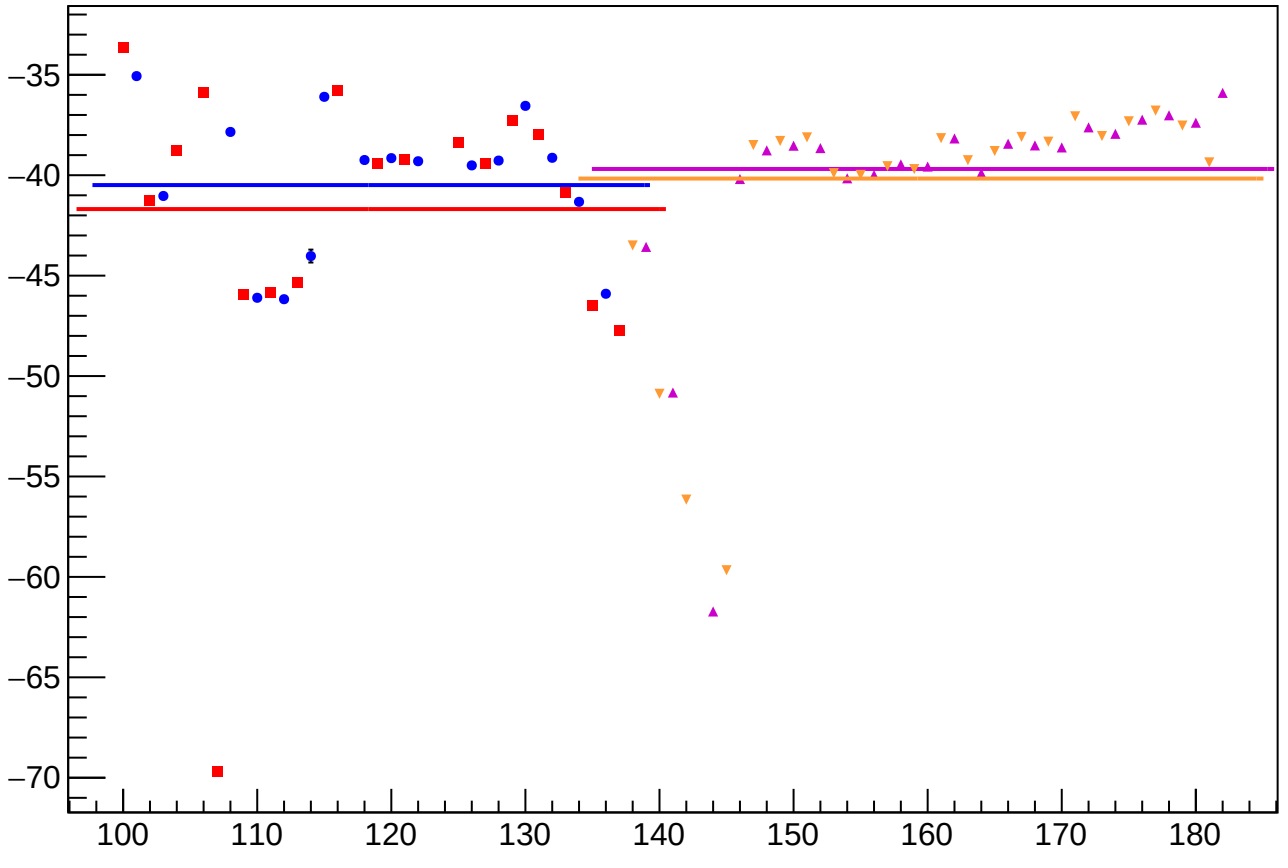
Left: 18.107+/-0.213 χ^2/NDF: 1297.6/43

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 14.867+/-0.255 χ^2/NDF:1473.8/37

Out: 14.415+/-0.261 χ^2/NDF:1674.8/39

All: 14.646+/-0.183 χ^2/NDF: 3150.1/77



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.167+/-0.014 χ^2/NDF:120821.7/21

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -39.689+/-0.014 χ^2/NDF:105163.2/21

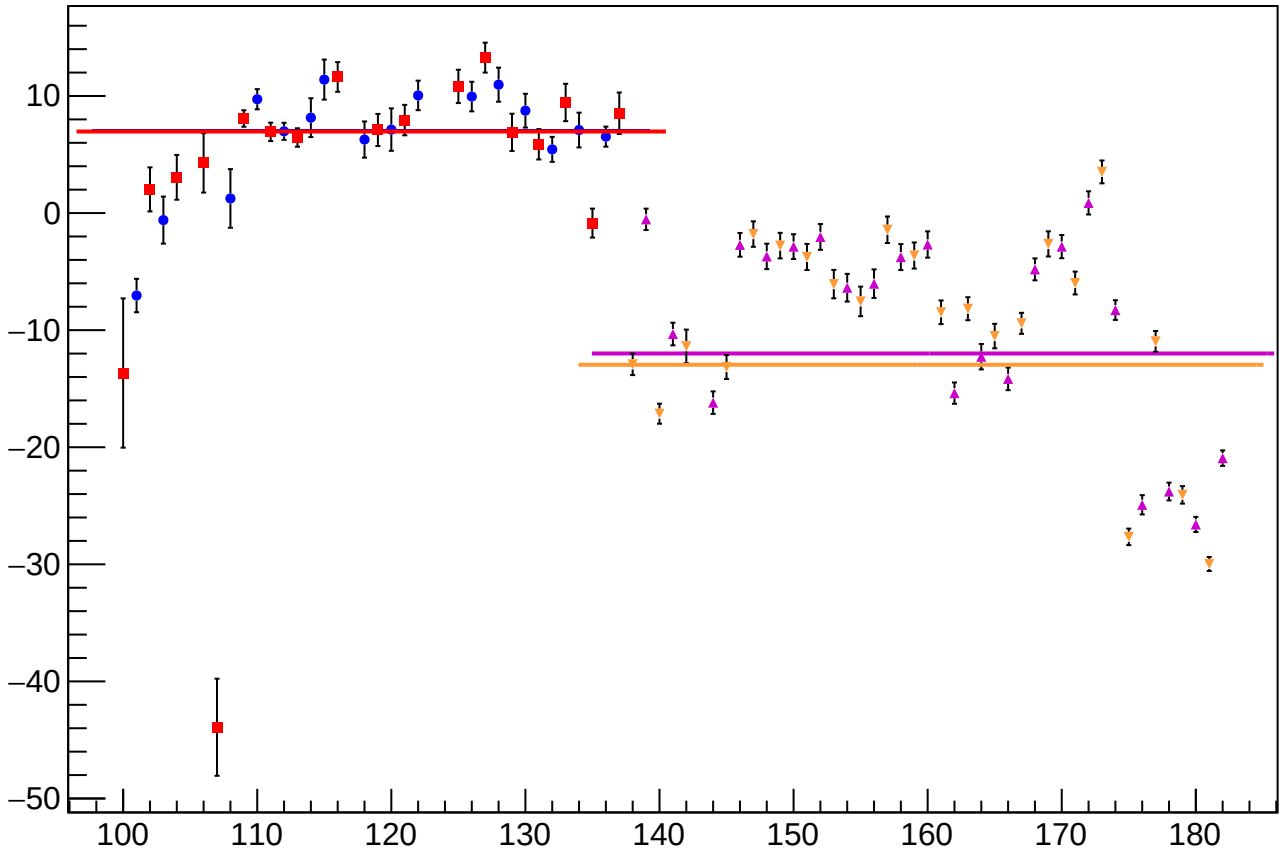
Left: -39.918+/-0.010 χ^2/NDF: 226581.5/43

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -39.838+/-0.012 χ^2/NDF:123941.3/37

Out: -40.454+/-0.013 χ^2/NDF:159847.0/39

All: -40.134+/-0.009 χ^2/NDF: 285006.4/77



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -12.955+/-0.203 χ^2/NDF:2469.7/21

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -11.993+/-0.198 χ^2/NDF:2176.4/21

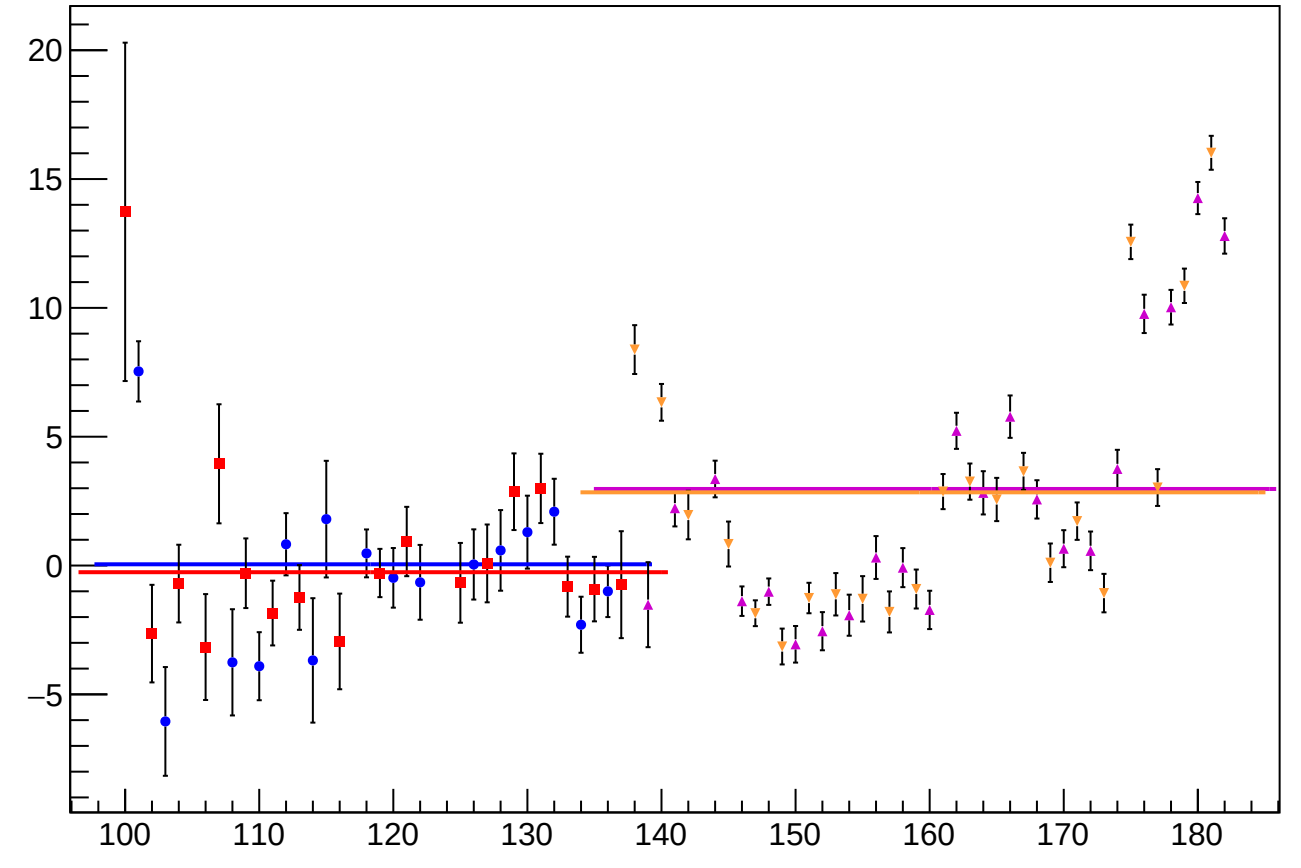
Left: -12.463+/-0.142 χ^2/NDF: 4657.6/43

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: -6.462+/-0.167 χ^2/NDF:5010.0/37

Out: -6.664+/-0.168 χ^2/NDF:5789.9/39

All: -6.563+/-0.118 χ^2/NDF: 10800.6/77



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 2.842+/-0.154 χ^2/NDF:1178.5/21

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 2.972+/-0.153 χ^2/NDF:1128.3/21

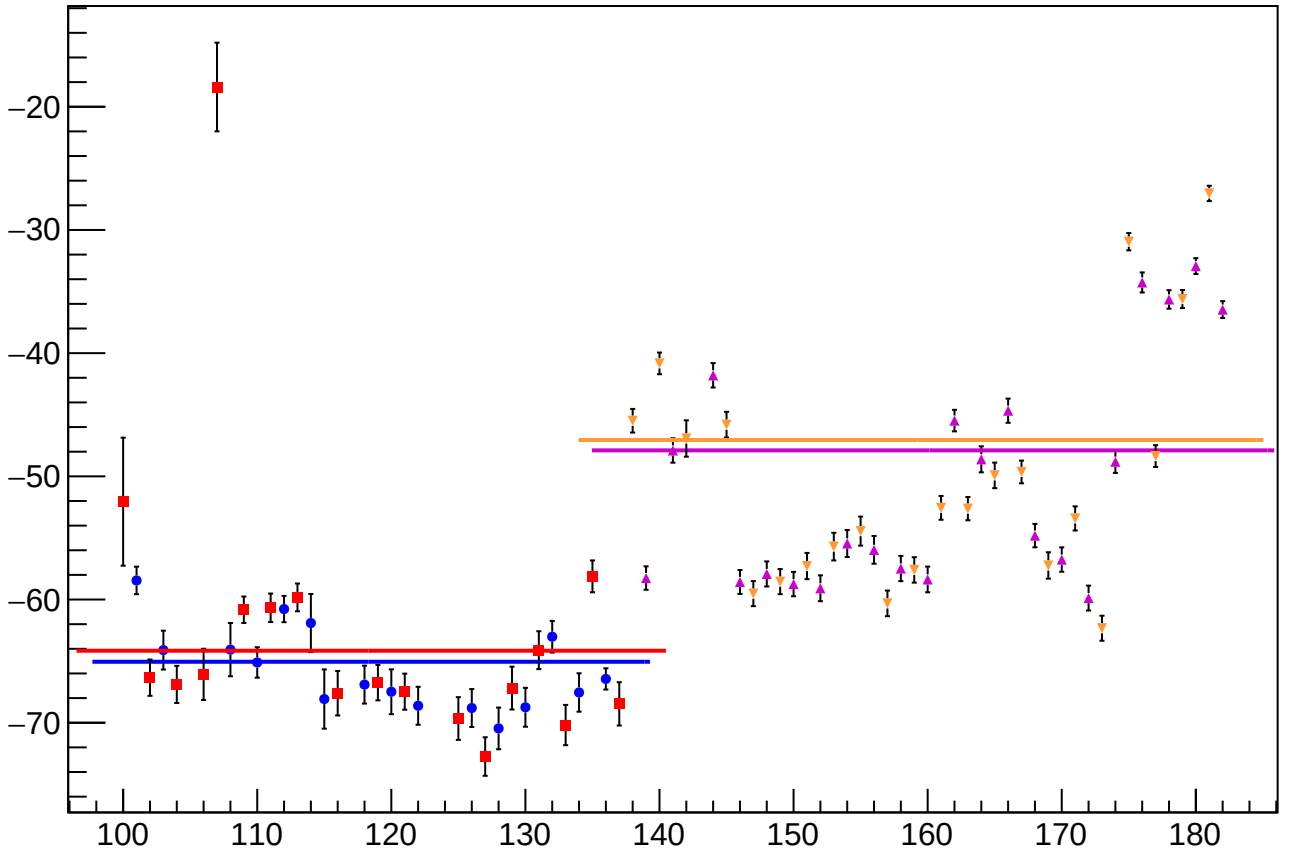
Left: 2.907+/-0.109 χ^2/NDF: 2307.2/43

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: 2.457+/-0.139 χ^2/NDF:1267.4/37

Out: 2.326+/-0.140 χ^2/NDF:1273.7/39

All: 2.392+/-0.099 χ^2/NDF: 2541.4/77



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -47.051+/-0.200 χ^2/NDF:3036.8/21

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -47.892+/-0.196 χ^2/NDF:2554.1/21

Left: -47.481+/-0.140 χ^2/NDF: 5599.9/43

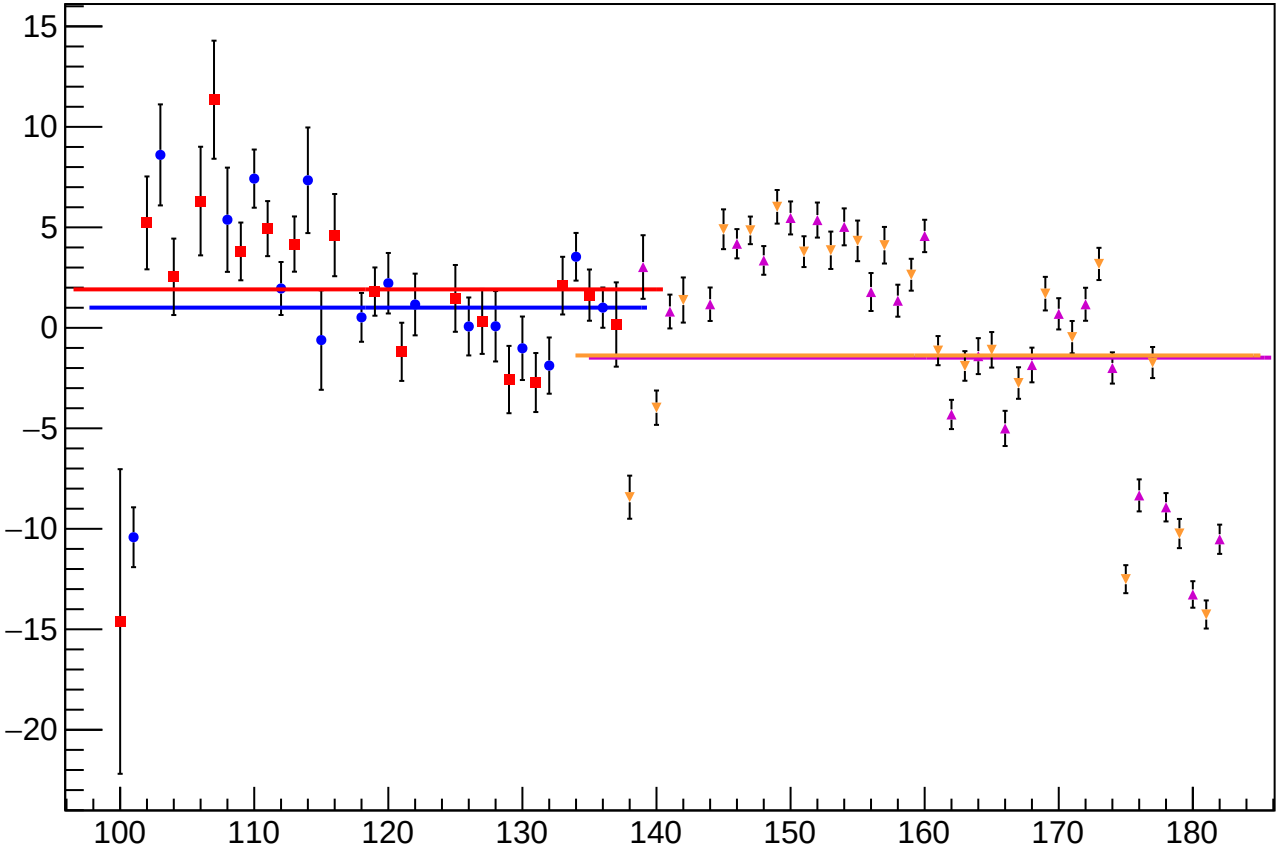
Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -51.926+/-0.172 χ^2/NDF:4444.0/37

Out: -51.093+/-0.175 χ^2/NDF:5060.3/39

All: -51.518+/-0.123 χ^2/NDF: 9515.8/77

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -1.374+/-0.174 χ^2/NDF:1224.4/21

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: -1.483+/-0.172 χ^2/NDF:1105.7/21

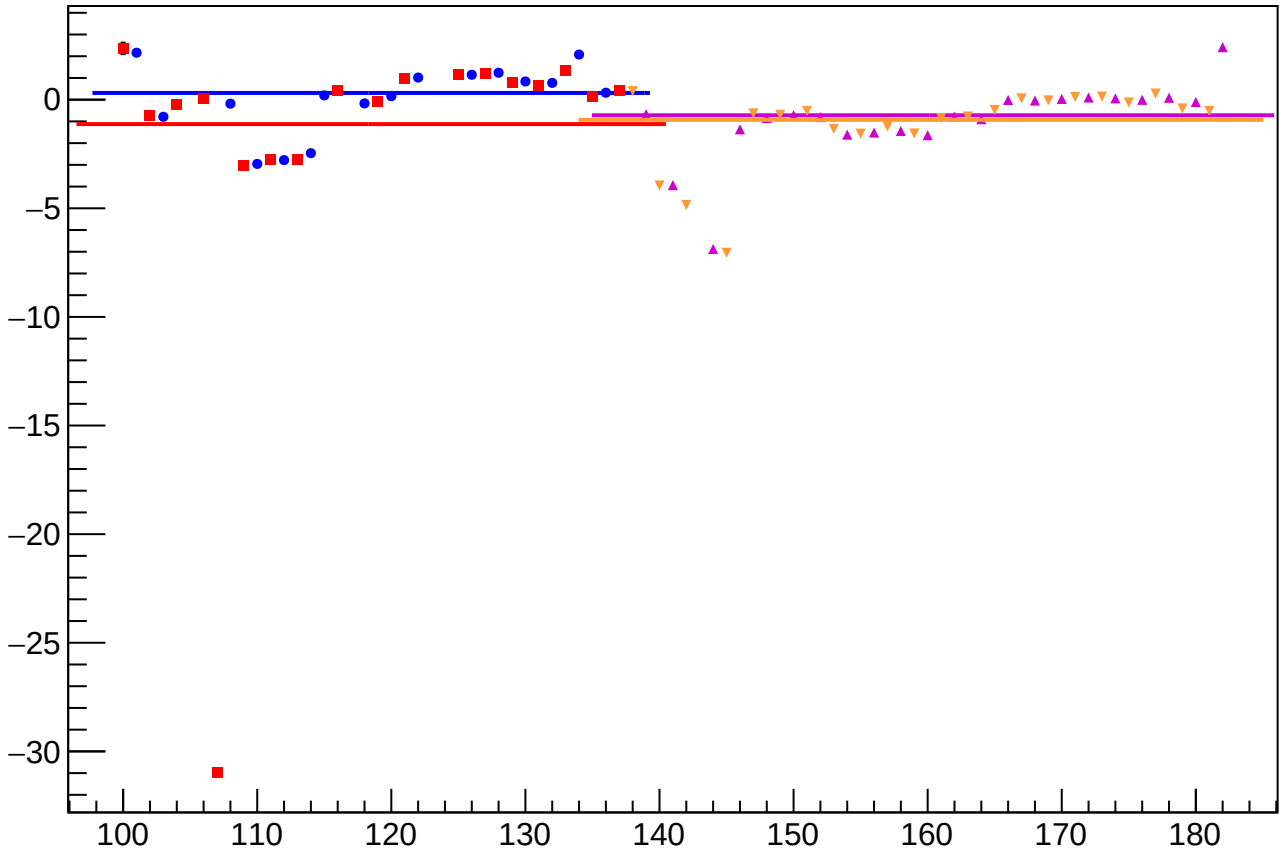
Left: -1.429+/-0.122 χ^2/NDF: 2330.3/43

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: -1.050+/-0.157 χ^2/NDF:1251.2/37

Out: -0.828+/-0.159 χ^2/NDF:1338.3/39

All: -0.941+/-0.112 χ^2/NDF: 2590.4/77



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -0.927+/-0.008 χ^2/NDF:40388.3/21

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -0.718+/-0.008 χ^2/NDF:41244.2/21

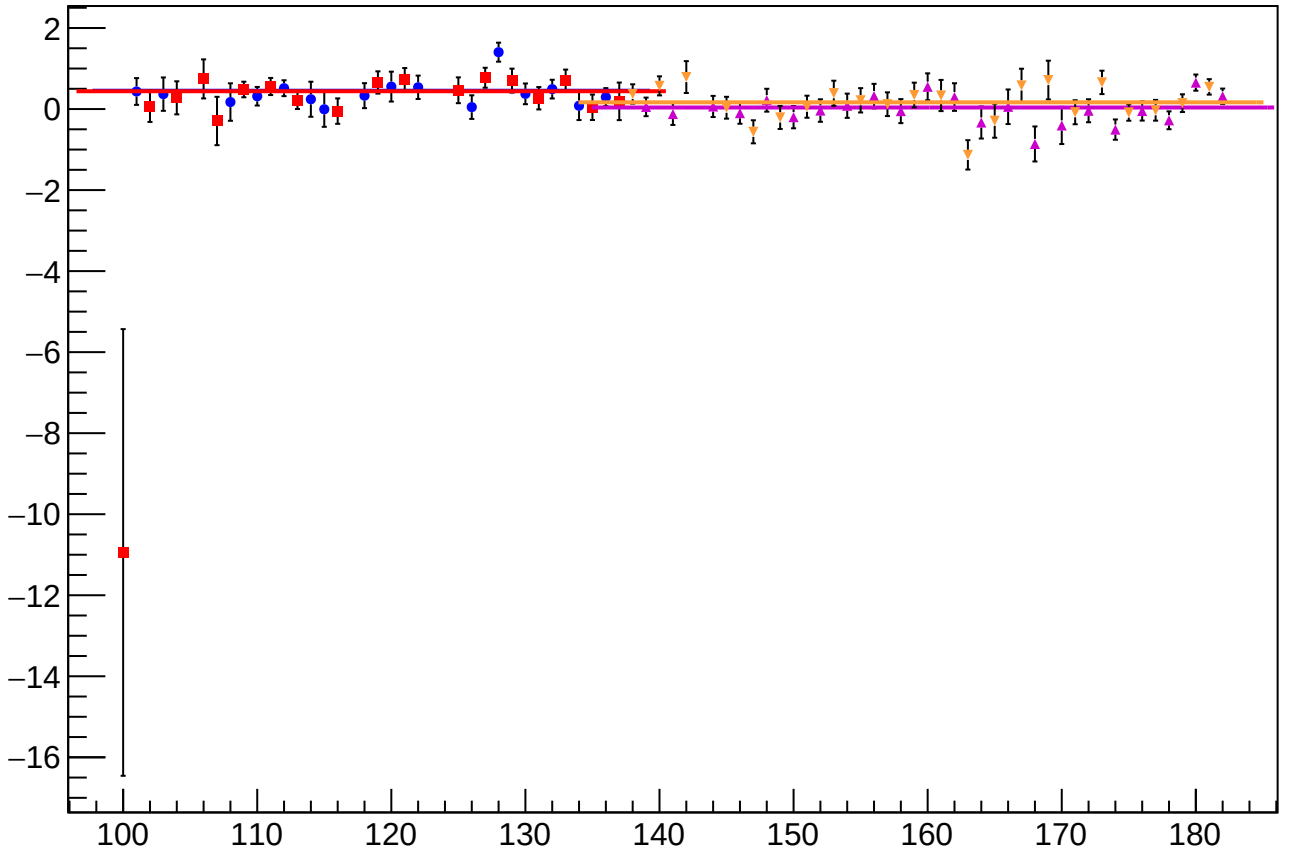
Left: -0.820+/-0.005 χ^2/NDF: 81999.5/43

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -0.599+/-0.007 χ^2/NDF:48200.4/37

Out: -0.949+/-0.007 χ^2/NDF:86805.9/39

All: -0.769+/-0.005 χ^2/NDF: 136165.2/77



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.166+/-0.060 χ^2/NDF:42.0/21

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.038+/-0.058 χ^2/NDF:30.5/21

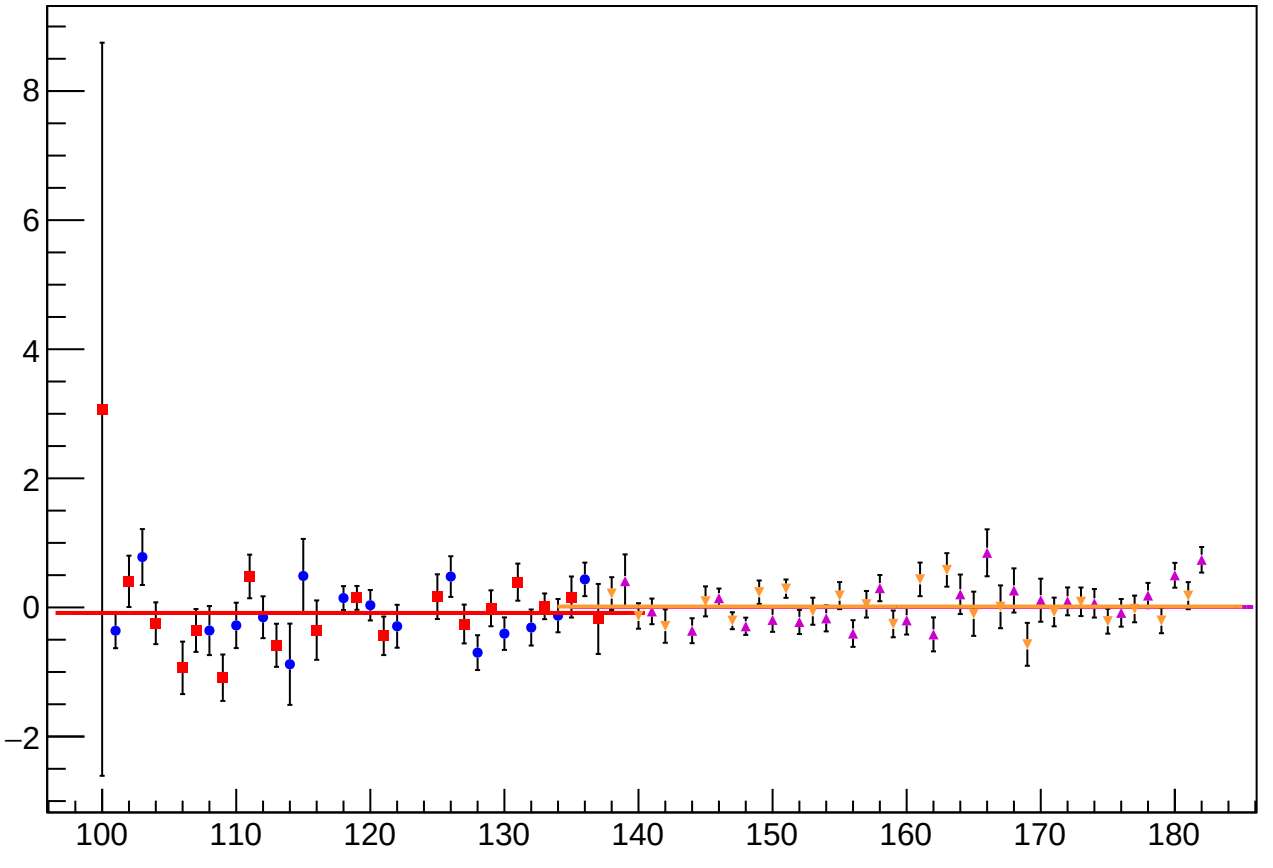
Left: 0.101+/-0.042 χ^2/NDF: 74.9/43

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.205+/-0.045 χ^2/NDF:73.4/37

Out: 0.282+/-0.045 χ^2/NDF:69.5/39

All: 0.243+/-0.032 χ^2/NDF: 144.3/77



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.014+/-0.045 χ^2/NDF:27.4/21

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: 0.006+/-0.045 χ^2/NDF:51.3/21

Left: 0.010+/-0.032 χ^2/NDF: 78.7/43

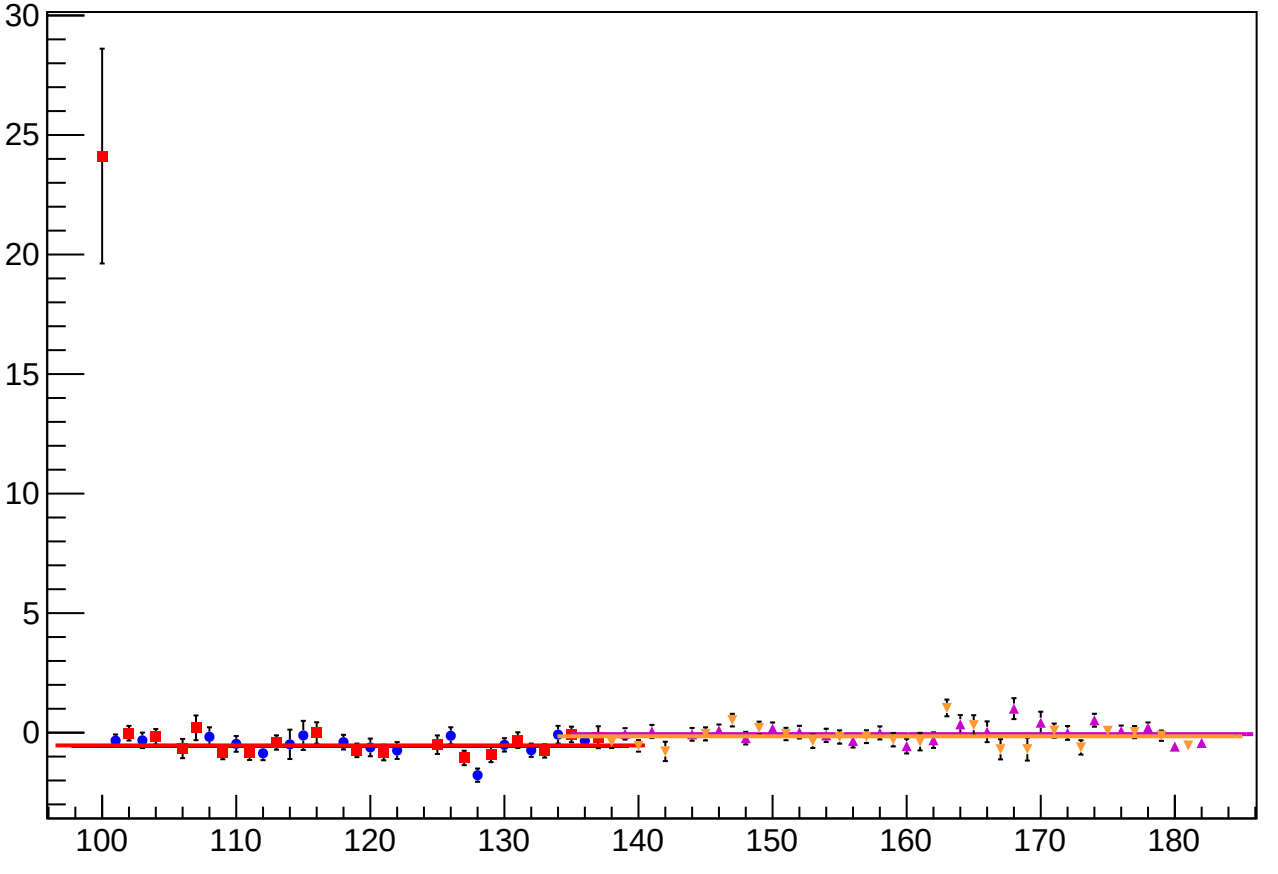
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.019+/-0.038 χ^2/NDF:77.8/37

Out: -0.013+/-0.038 χ^2/NDF:56.6/39

All: -0.016+/-0.027 χ^2/NDF: 134.4/77

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: -0.152+/-0.059 χ^2/NDF:40.1/21

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.061+/-0.058 χ^2/NDF:31.2/21

Left: -0.106+/-0.041 χ^2/NDF: 72.4/43

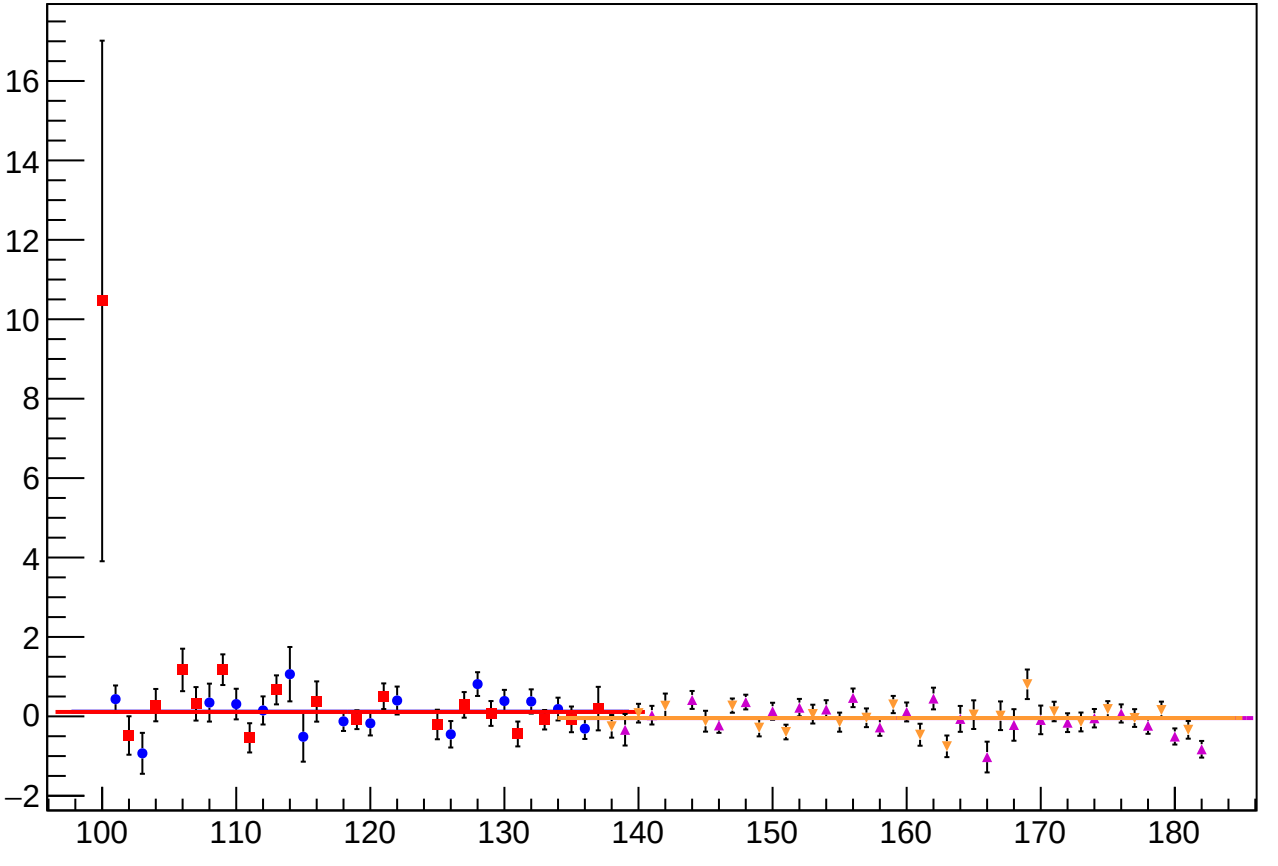
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.232+/-0.047 χ^2/NDF:85.1/37

Out: -0.285+/-0.048 χ^2/NDF:103.8/39

All: -0.258+/-0.033 χ^2/NDF: 189.5/77

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: -0.041+/-0.051 χ^2/NDF:31.6/21

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: -0.043+/-0.051 χ^2/NDF:50.1/21

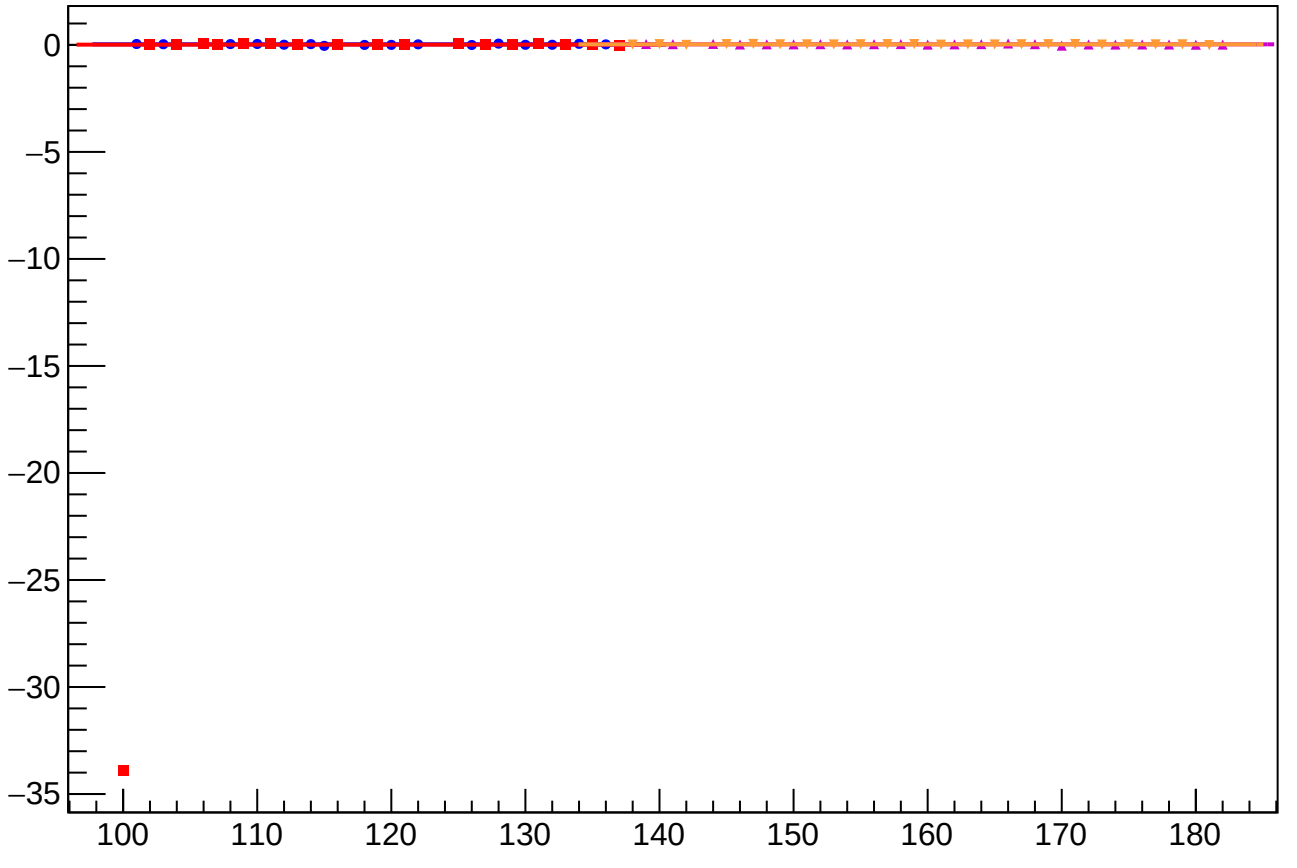
Left: -0.042+/-0.036 χ^2/NDF: 81.7/43

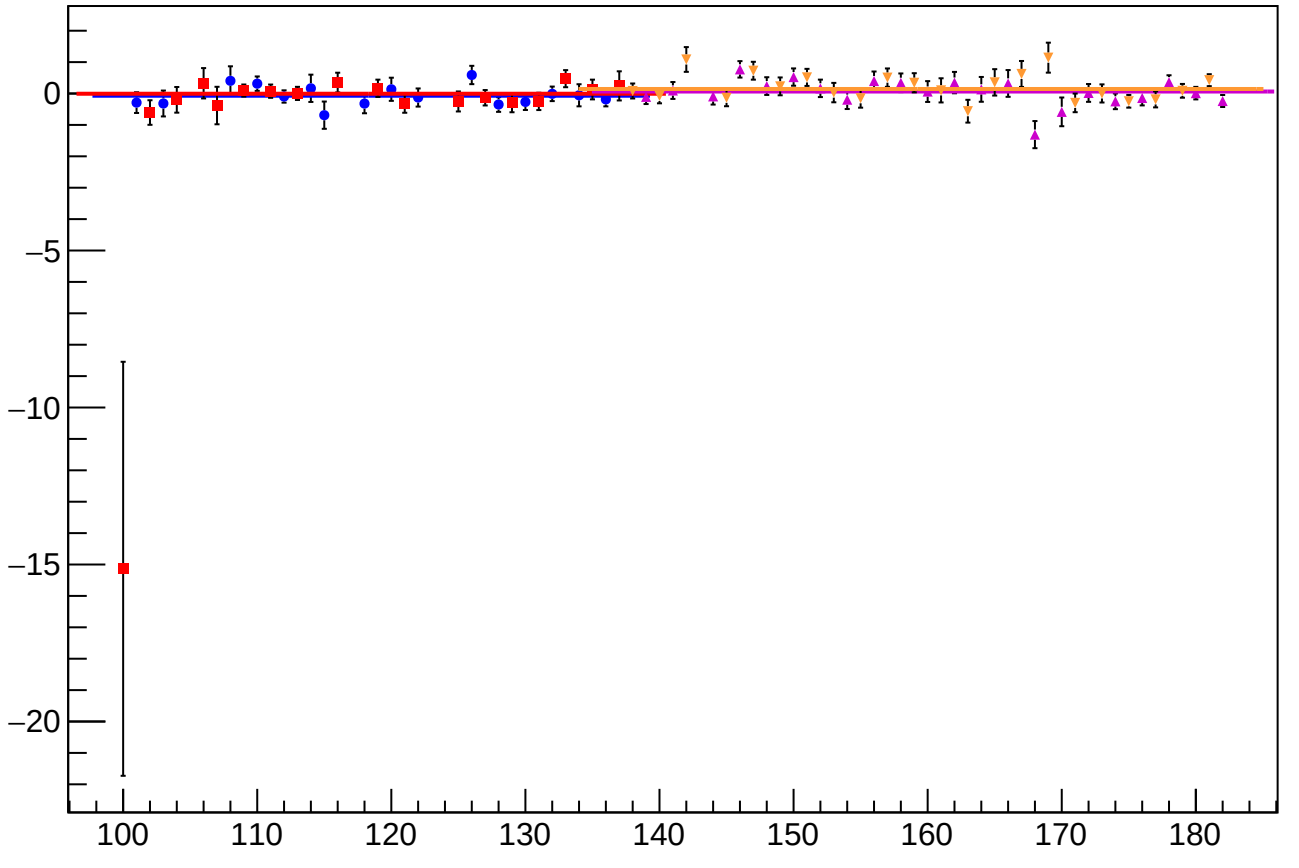
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: -0.000+/-0.043 χ^2/NDF:76.5/37

Out: -0.000+/-0.044 χ^2/NDF:63.0/39

All: -0.000+/-0.031 χ^2/NDF: 139.4/77


reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
−35
100
110
120
130
140
150
160
170
180
Right In: 0.027+/-0.005 χ²/NDF: 14.7/15
Left Out: 0.026+/-0.002 χ²/NDF:28.6/21
Right Out: 0.012+/-0.005 χ²/NDF: 22262.0/17
Left In: 0.026+/-0.002 χ²/NDF:39.3/21
Left: 0.026+/-0.002 χ²/NDF: 67.9/43
Right: 0.020+/-0.003 χ²/NDF: 22281.9/33
In: 0.027+/-0.002 χ²/NDF:54.0/37
Out: 0.023+/-0.002 χ²/NDF:22297.3/39
All: 0.025+/-0.001 χ²/NDF: 22352.7/77



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.144+/-0.060 χ^2/NDF:36.8/21

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.063+/-0.058 χ^2/NDF:34.2/21

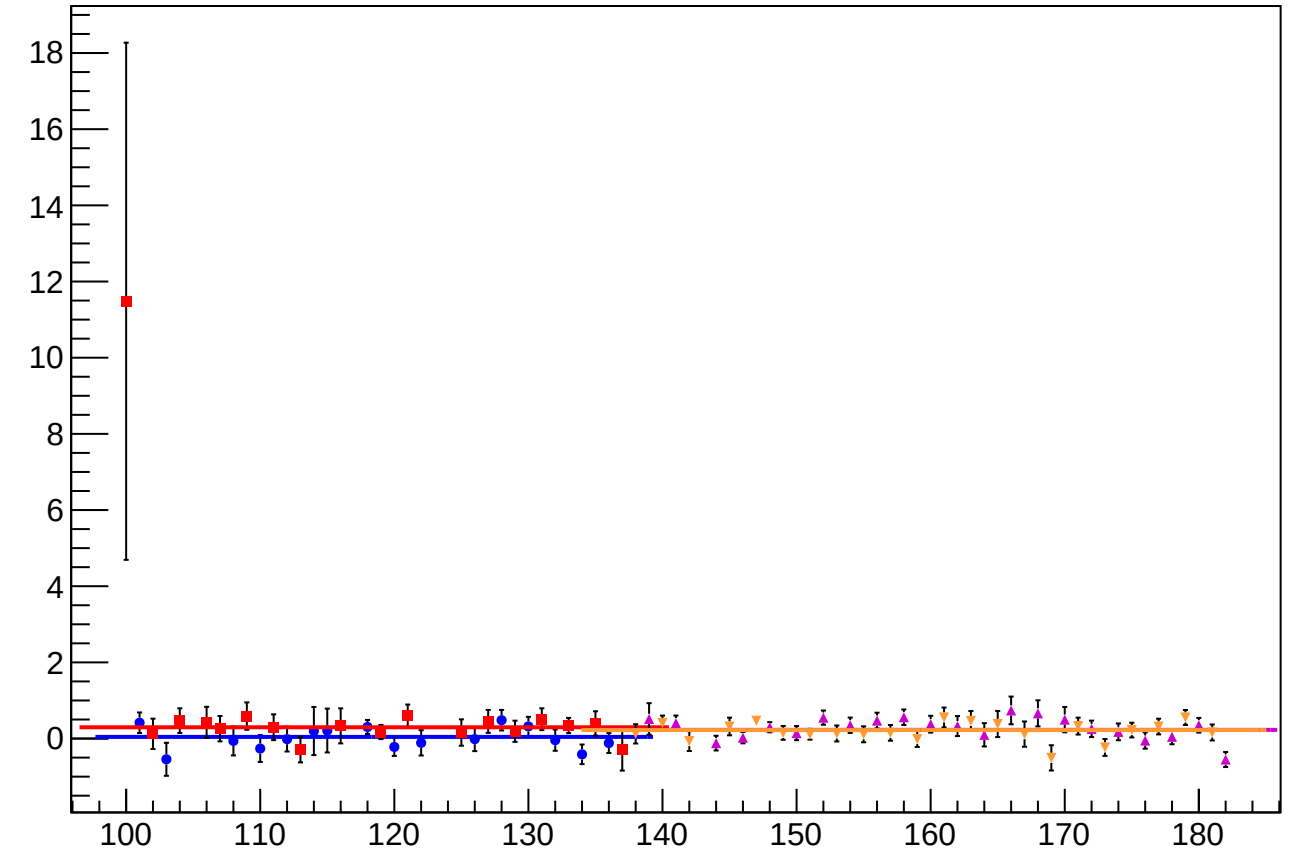
Left: 0.103+/-0.042 χ^2/NDF: 72.0/43

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.010+/-0.045 χ^2/NDF:51.9/37

Out: 0.080+/-0.045 χ^2/NDF:57.7/39

All: 0.045+/-0.032 χ^2/NDF: 110.7/77



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.222+/-0.045 χ^2/NDF:23.8/21

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.228+/-0.045 χ^2/NDF:37.8/21

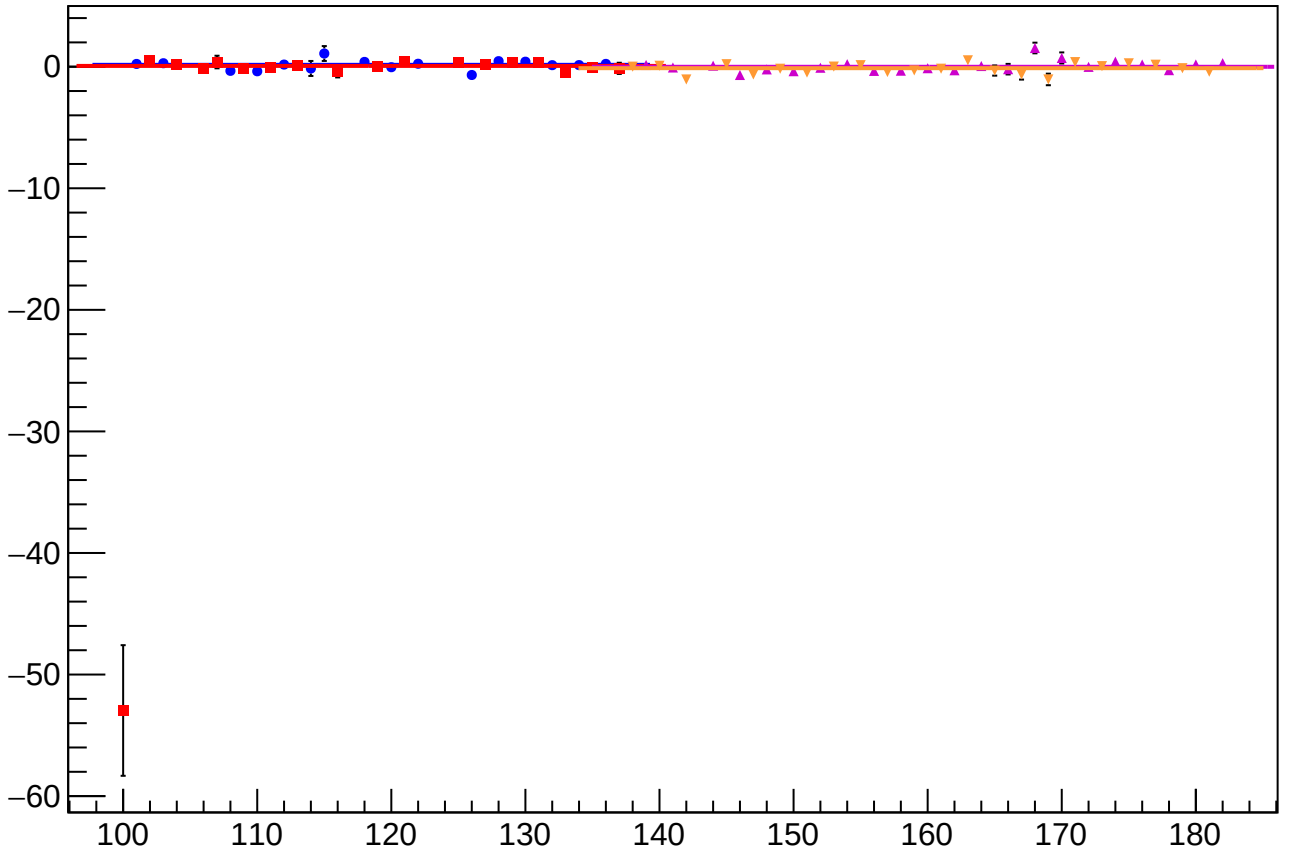
Left: 0.225+/-0.032 χ^2/NDF: 61.6/43

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.178+/-0.038 χ^2/NDF:58.2/37

Out: 0.242+/-0.038 χ^2/NDF:35.6/39

All: 0.210+/-0.027 χ^2/NDF: 95.2/77



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.121+/-0.059 χ^2/NDF:35.4/21

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.007+/-0.058 χ^2/NDF:37.9/21

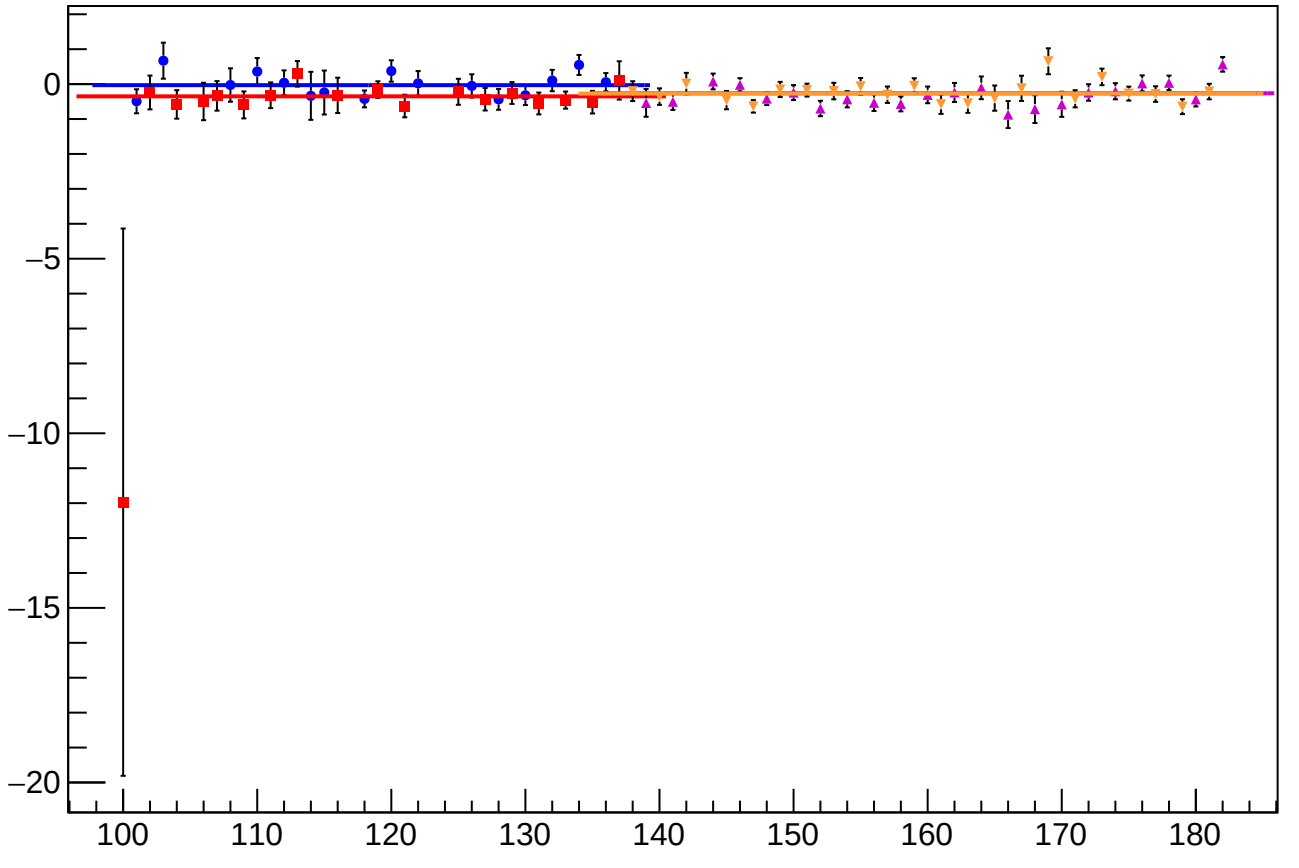
Left: -0.063+/-0.041 χ^2/NDF: 75.3/43

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.048+/-0.047 χ^2/NDF:56.1/37

Out: -0.056+/-0.048 χ^2/NDF:148.2/39

All: -0.003+/-0.033 χ^2/NDF: 206.8/77



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.271+/-0.051 χ^2/NDF:24.5/21

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.263+/-0.051 χ^2/NDF:38.9/21

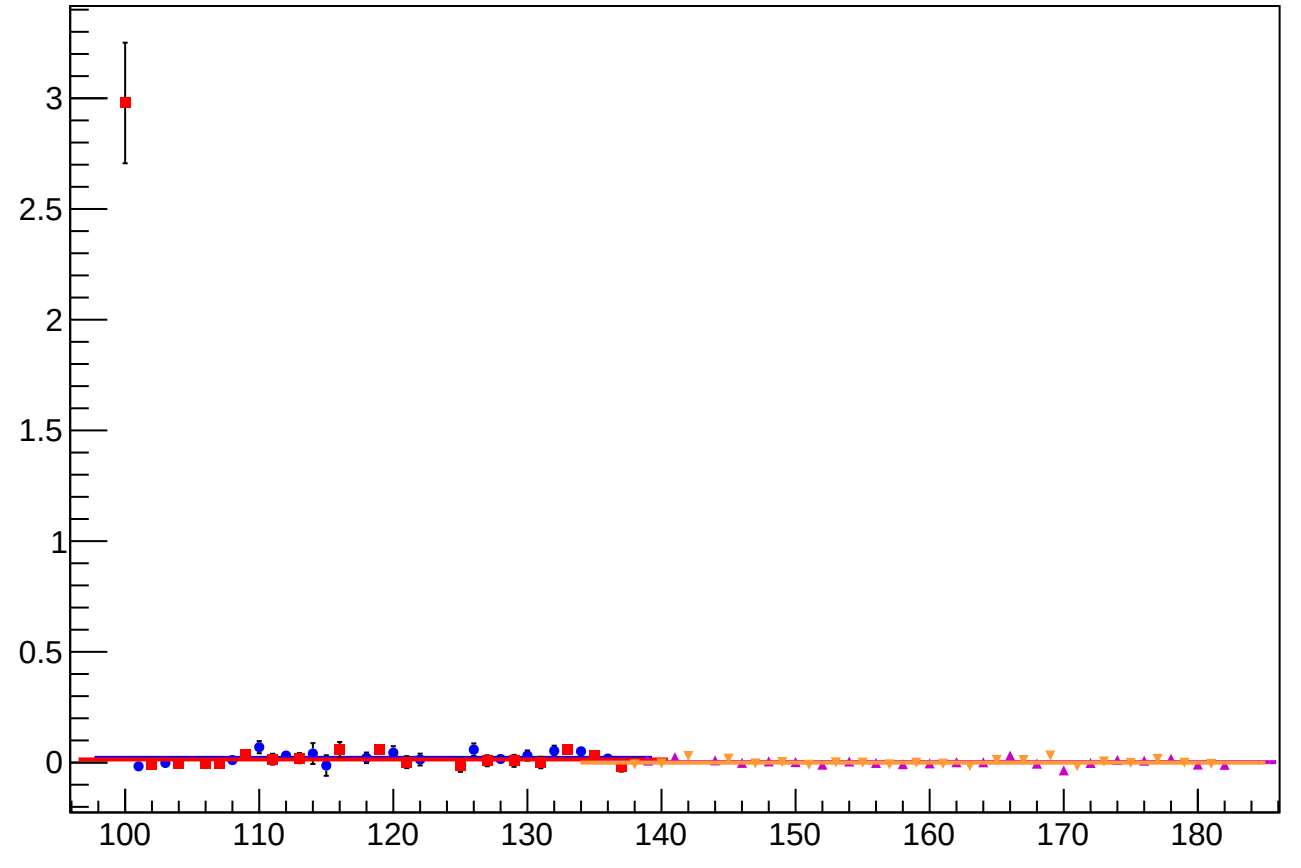
Left: -0.267+/-0.036 χ^2/NDF: 63.4/43

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.201+/-0.043 χ^2/NDF:61.3/37

Out: -0.292+/-0.044 χ^2/NDF:34.6/39

All: -0.246+/-0.031 χ^2/NDF: 98.1/77



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.000+/-0.002 χ^2/NDF:21.7/21

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.002+/-0.002 χ^2/NDF:23.8/21

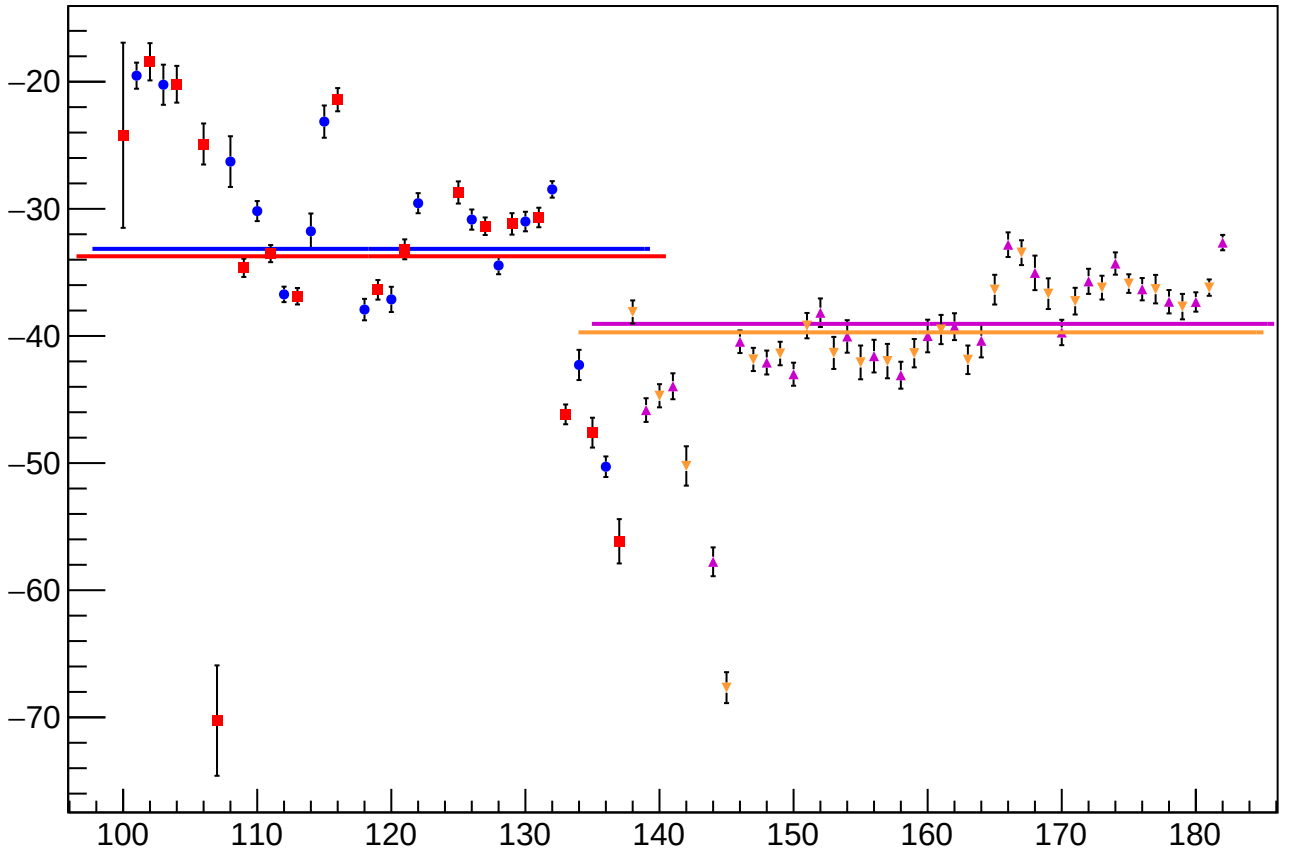
Left: 0.001+/-0.002 χ^2/NDF: 45.9/43

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.005+/-0.002 χ^2/NDF:59.4/37

Out: 0.002+/-0.002 χ^2/NDF:169.5/39

All: 0.004+/-0.001 χ^2/NDF: 230.0/77



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -39.716+/-0.215 χ^2/NDF:774.7/21

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -39.047+/-0.207 χ^2/NDF:623.0/21

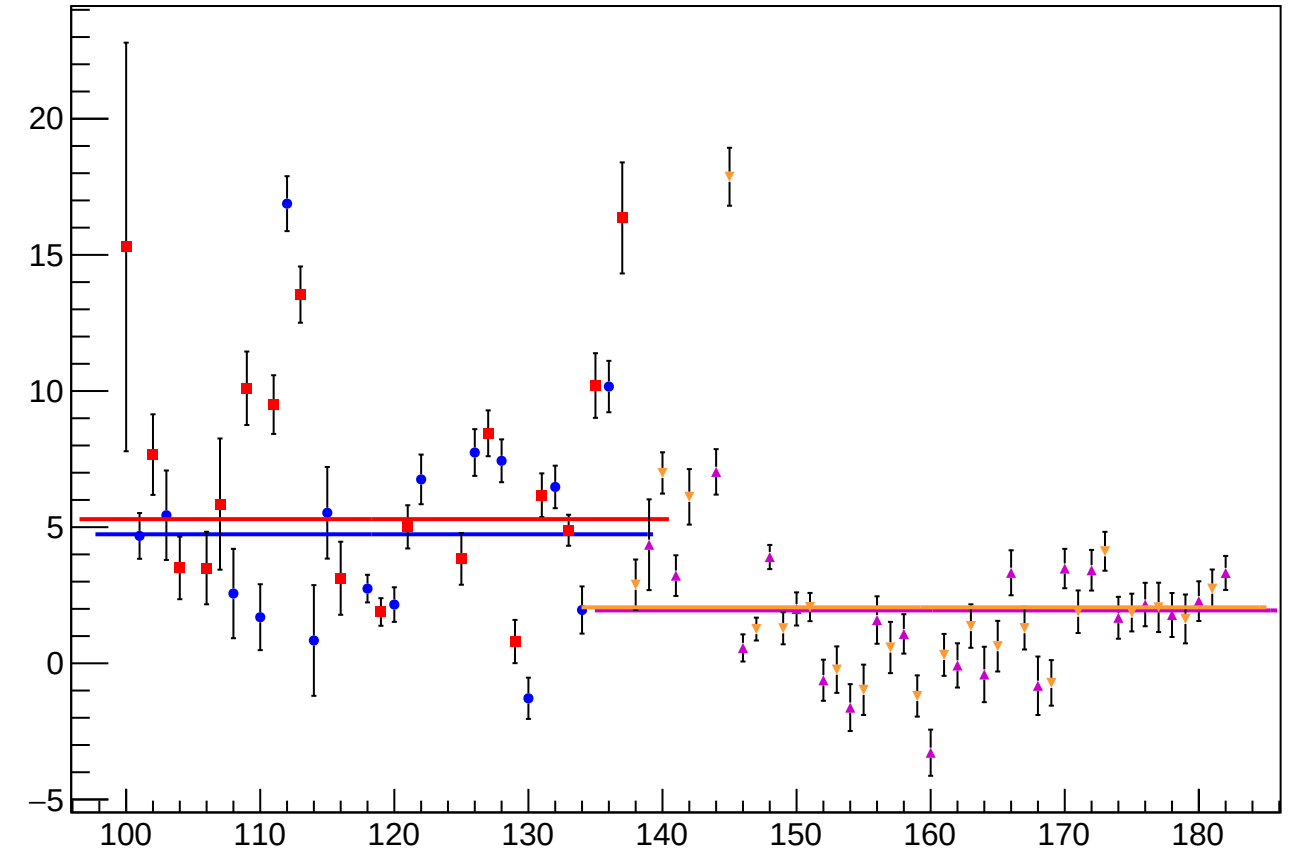
Left: -39.368+/-0.149 χ^2/NDF: 1402.6/43

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.251+/-0.150 χ^2/NDF:2022.2/37

Out: -36.717+/-0.152 χ^2/NDF:2310.3/39

All: -36.481+/-0.107 χ^2/NDF: 4337.2/77



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.056+/-0.158 χ^2/NDF:353.9/21

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.942+/-0.156 χ^2/NDF:172.4/21

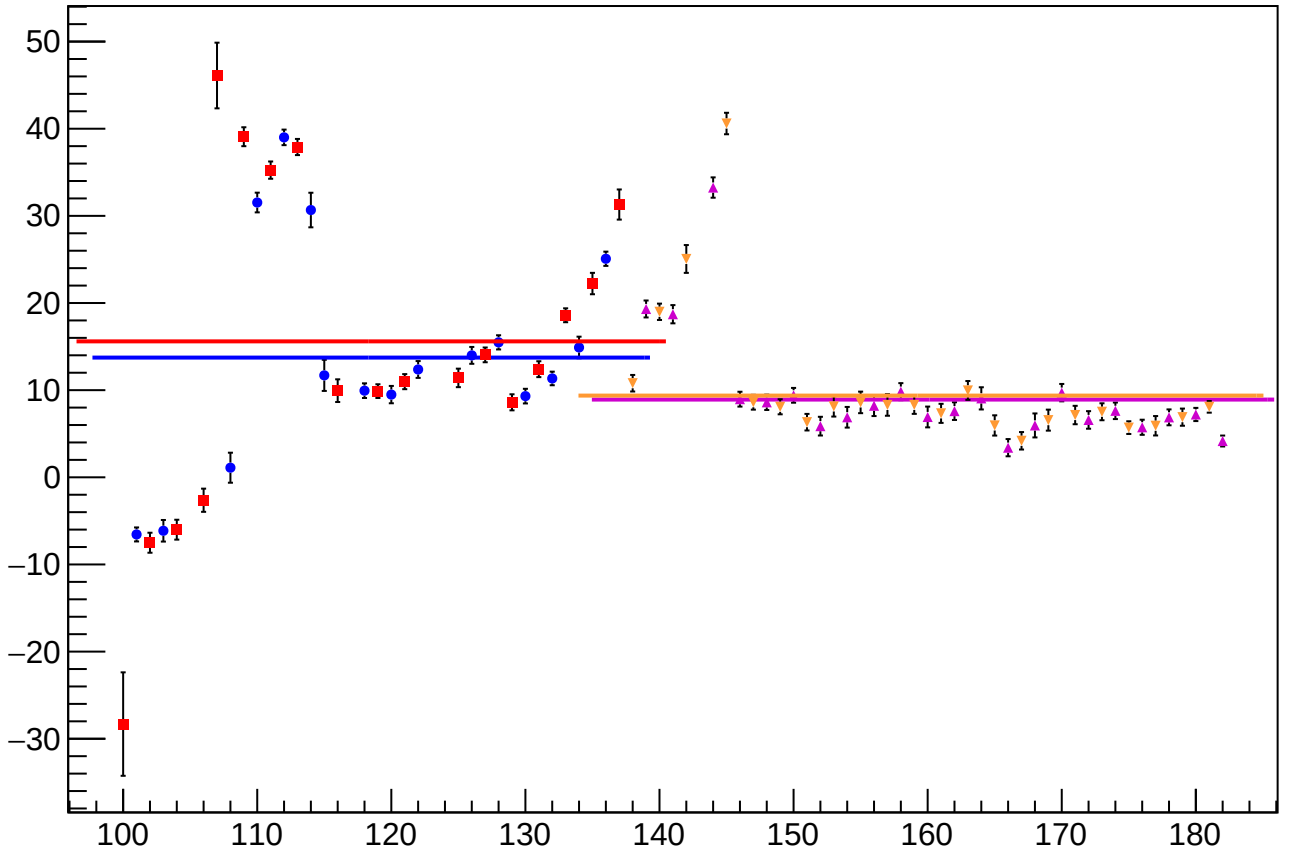
Left: 1.999+/-0.111 χ^2/NDF: 526.5/43

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 2.886+/-0.127 χ^2/NDF:609.7/37

Out: 3.136+/-0.129 χ^2/NDF:739.0/39

All: 3.009+/-0.091 χ^2/NDF: 1350.7/77



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 9.377+/-0.213 χ^2/NDF:960.4/21

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 8.919+/-0.205 χ^2/NDF:778.7/21

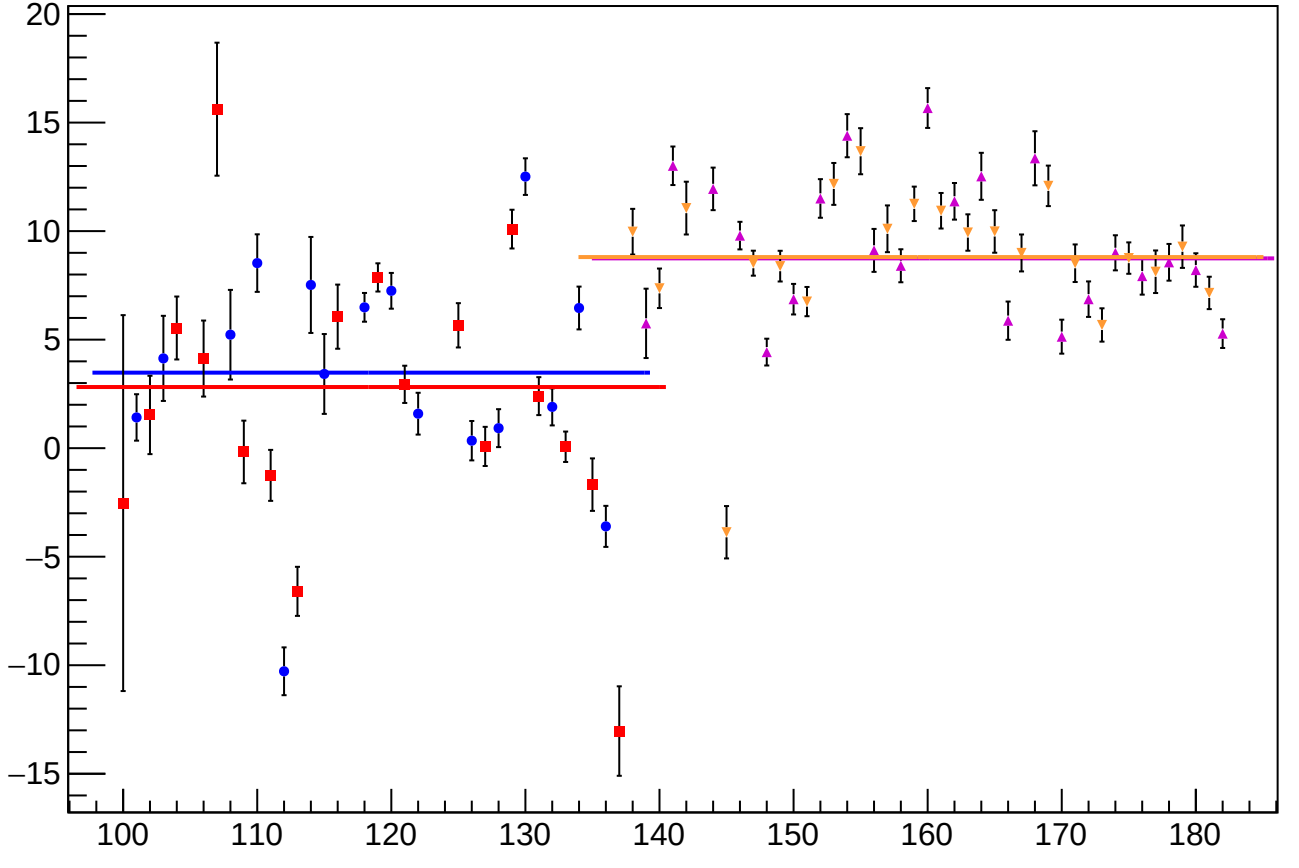
Left: 9.139+/-0.147 χ^2/NDF: 1741.5/43

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 10.884+/-0.158 χ^2/NDF:3354.5/37

Out: 11.986+/-0.162 χ^2/NDF:4146.2/39

All: 11.420+/-0.113 χ^2/NDF: 7524.6/77



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.804+/-0.181 χ^2/NDF:216.6/21

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 8.744+/-0.178 χ^2/NDF:297.1/21

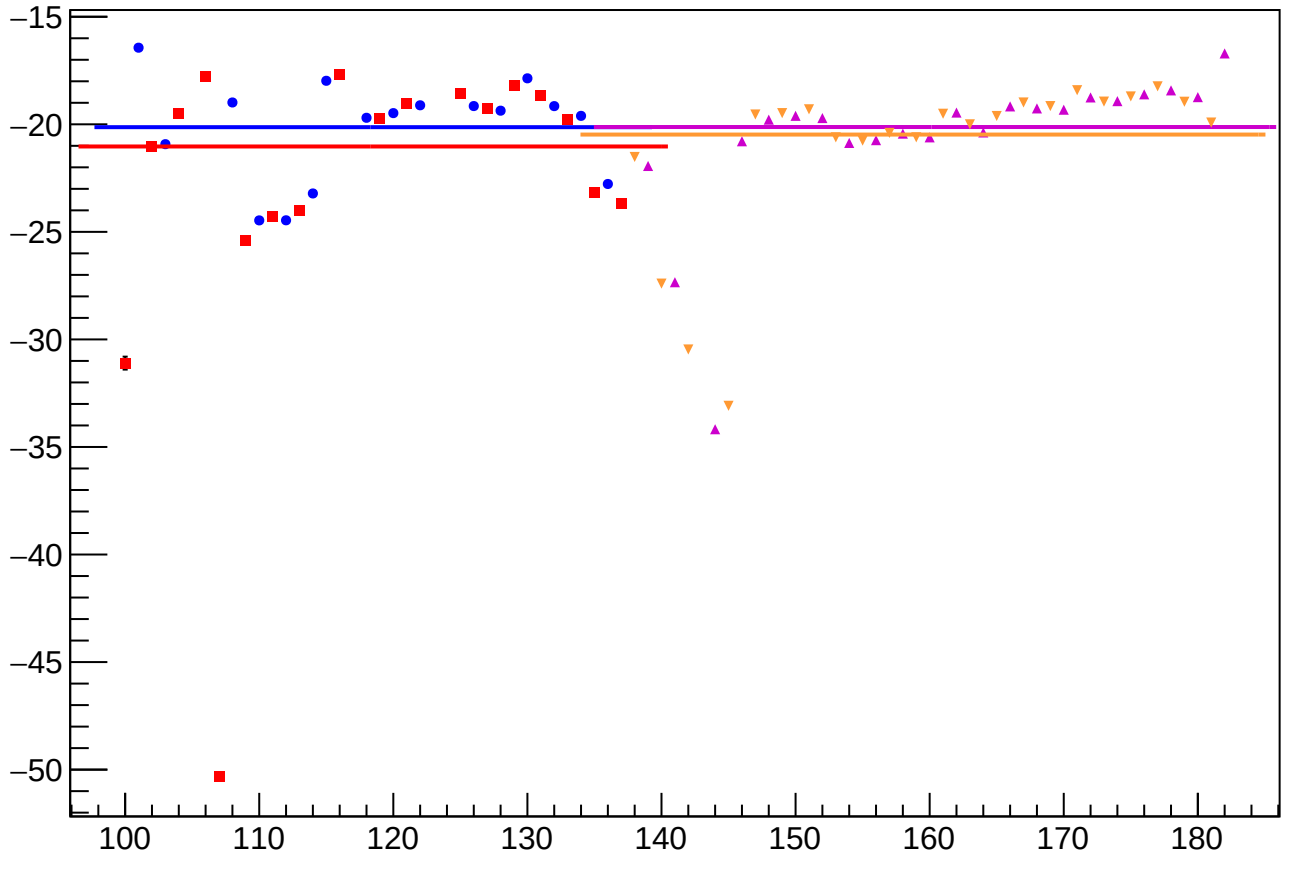
Left: 8.773+/-0.127 χ^2/NDF: 513.8/43

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 7.009+/-0.146 χ^2/NDF:1013.5/37

Out: 6.817+/-0.148 χ^2/NDF:923.8/39

All: 6.914+/-0.104 χ^2/NDF: 1938.1/77



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.477+/-0.008 χ^2/NDF:137703.1/21

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -20.126+/-0.008 χ^2/NDF:127683.0/21

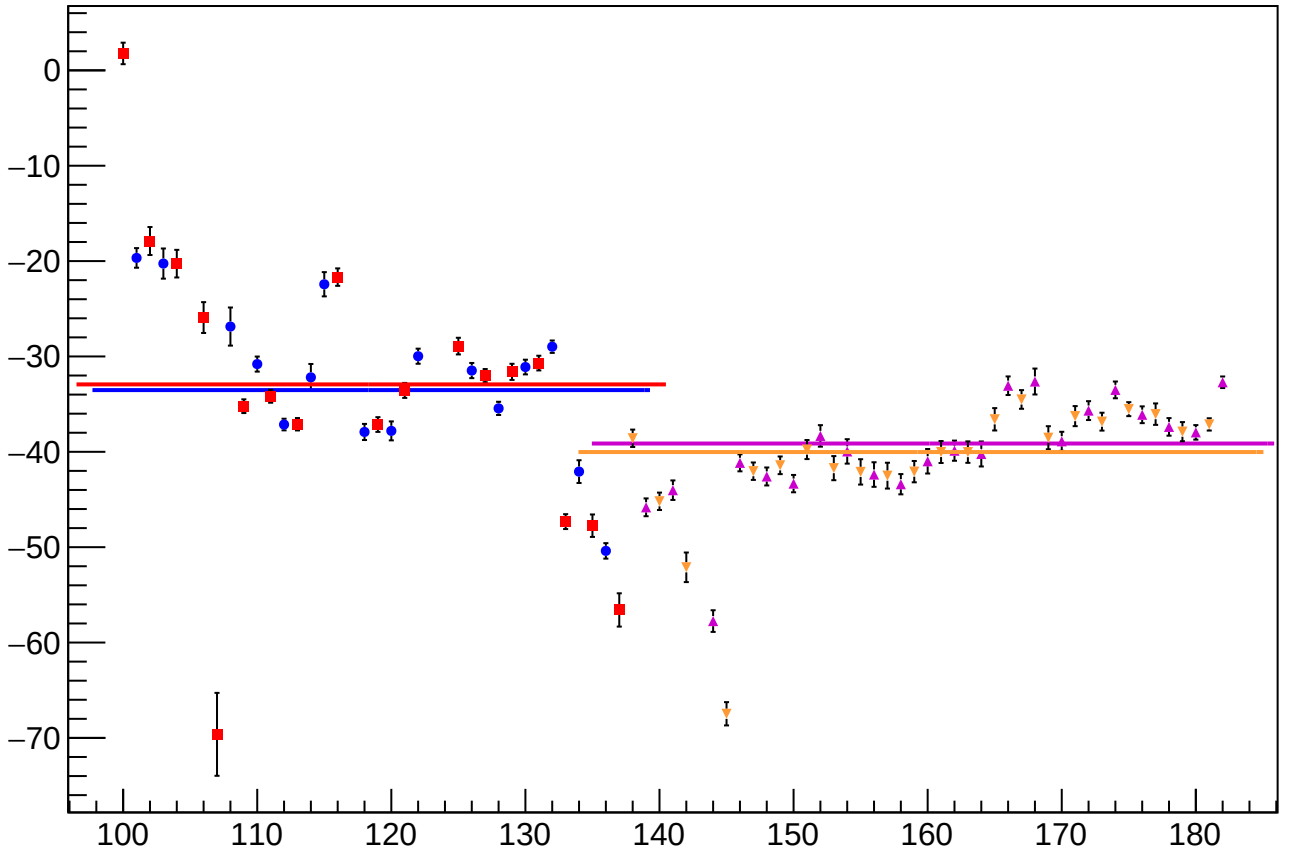
Left: -20.294+/-0.006 χ^2/NDF: 266306.4/43

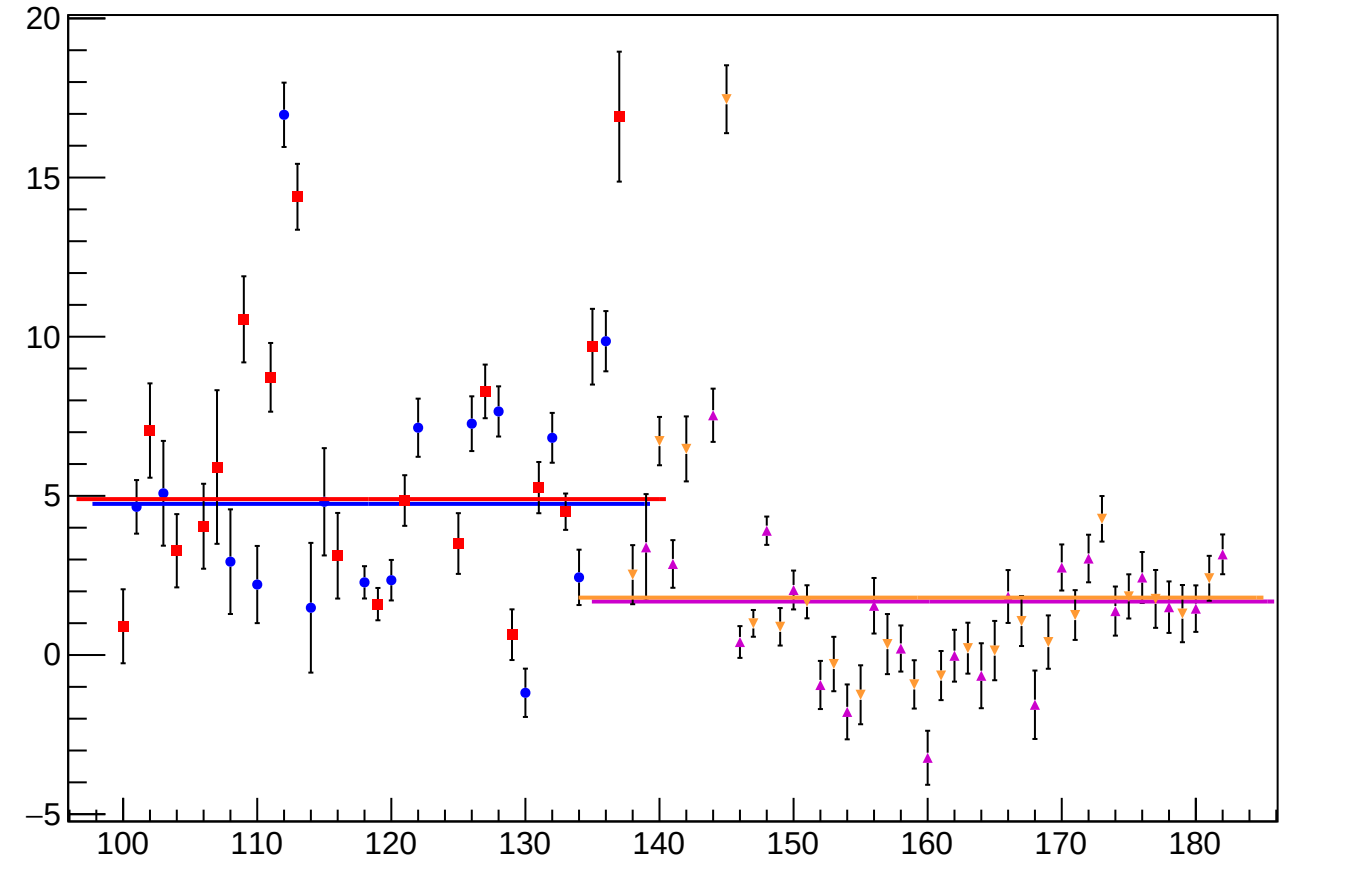
Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -20.127+/-0.007 χ^2/NDF:147514.3/37

Out: -20.590+/-0.007 χ^2/NDF:196128.8/39

All: -20.350+/-0.005 χ^2/NDF: 345648.9/77


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
170
180
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -40.024+/-0.216 χ²/NDF:760.5/21
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -39.130+/-0.207 χ²/NDF:654.5/21
Left: -39.559+/-0.149 χ²/NDF: 1424.0/43
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.475+/-0.150 χ²/NDF:2009.2/37
Out: -36.409+/-0.151 χ²/NDF:3481.6/39
All: -36.442+/-0.107 χ²/NDF: 5490.8/77



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.803+/-0.158 χ^2/NDF:351.6/21

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.681+/-0.157 χ^2/NDF:181.1/21

Left: 1.741+/-0.111 χ^2/NDF: 533.1/43

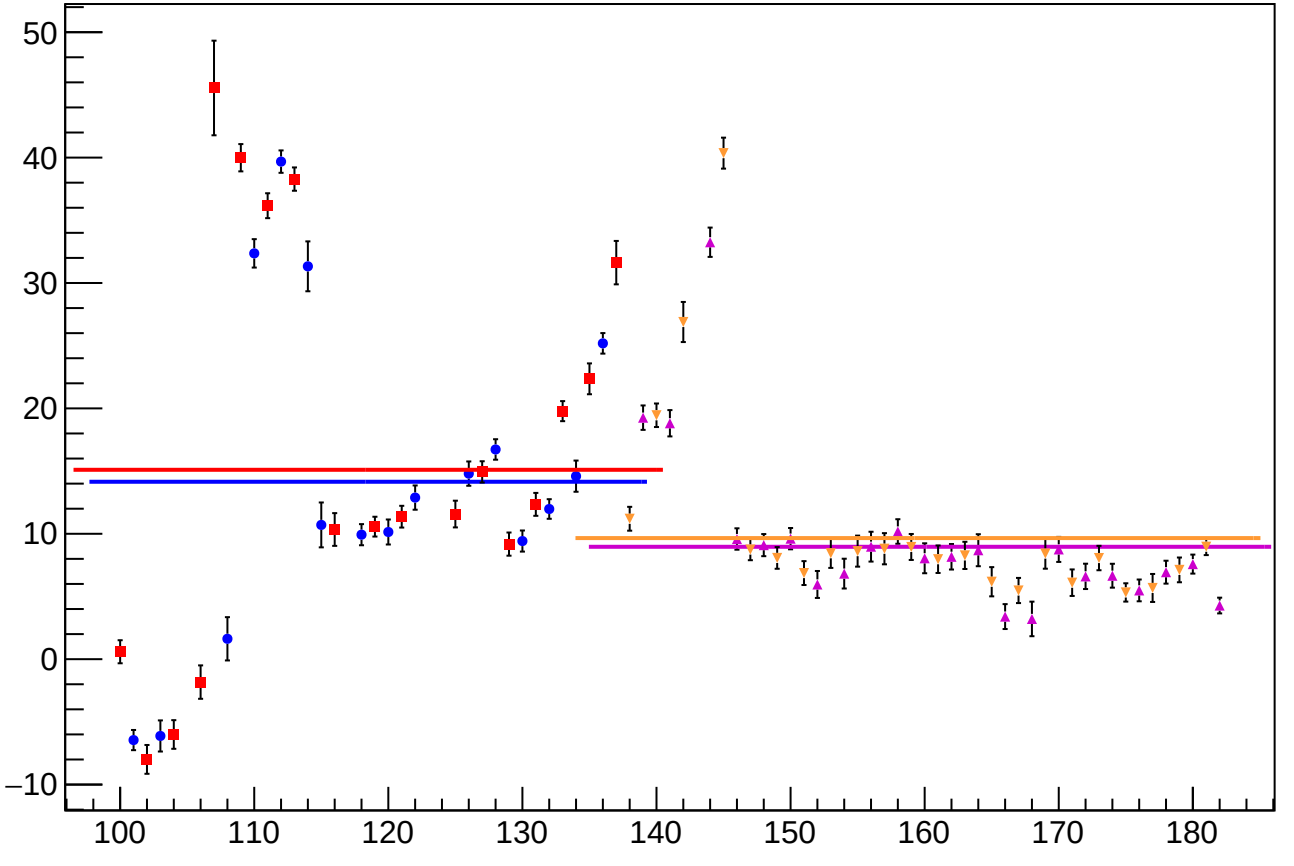
Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.715+/-0.128 χ^2/NDF:636.1/37

Out: 2.859+/-0.128 χ^2/NDF:755.2/39

All: 2.787+/-0.091 χ^2/NDF: 1391.9/77

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 9.657+/-0.213 χ^2/NDF:962.2/21

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 8.963+/-0.205 χ^2/NDF:787.0/21

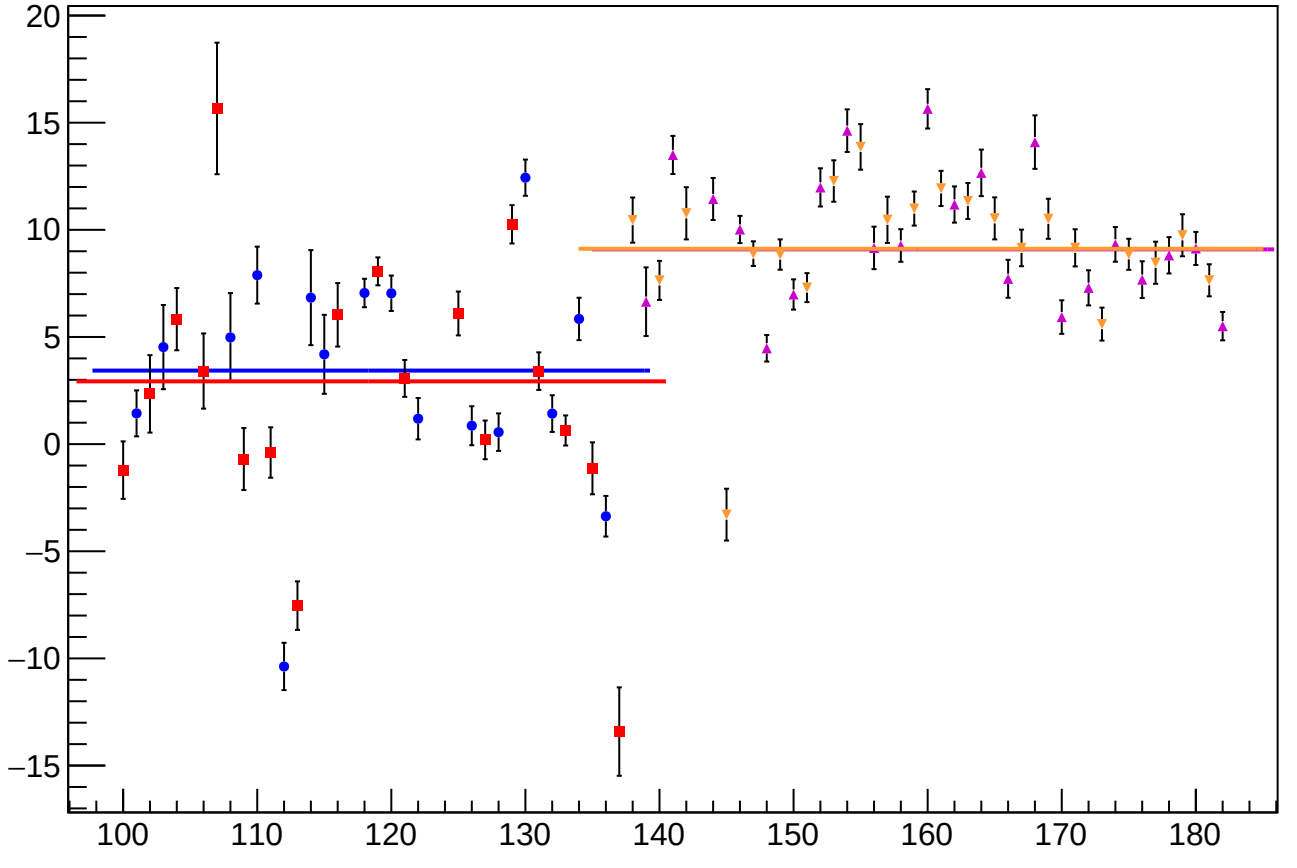
Left: 9.297+/-0.148 χ^2/NDF: 1754.7/43

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 11.076+/-0.158 χ^2/NDF:3450.0/37

Out: 12.034+/-0.160 χ^2/NDF:4350.0/39

All: 11.549+/-0.112 χ^2/NDF: 7818.2/77



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.116+/-0.182 χ^2/NDF:205.6/21

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.088+/-0.178 χ^2/NDF:280.5/21

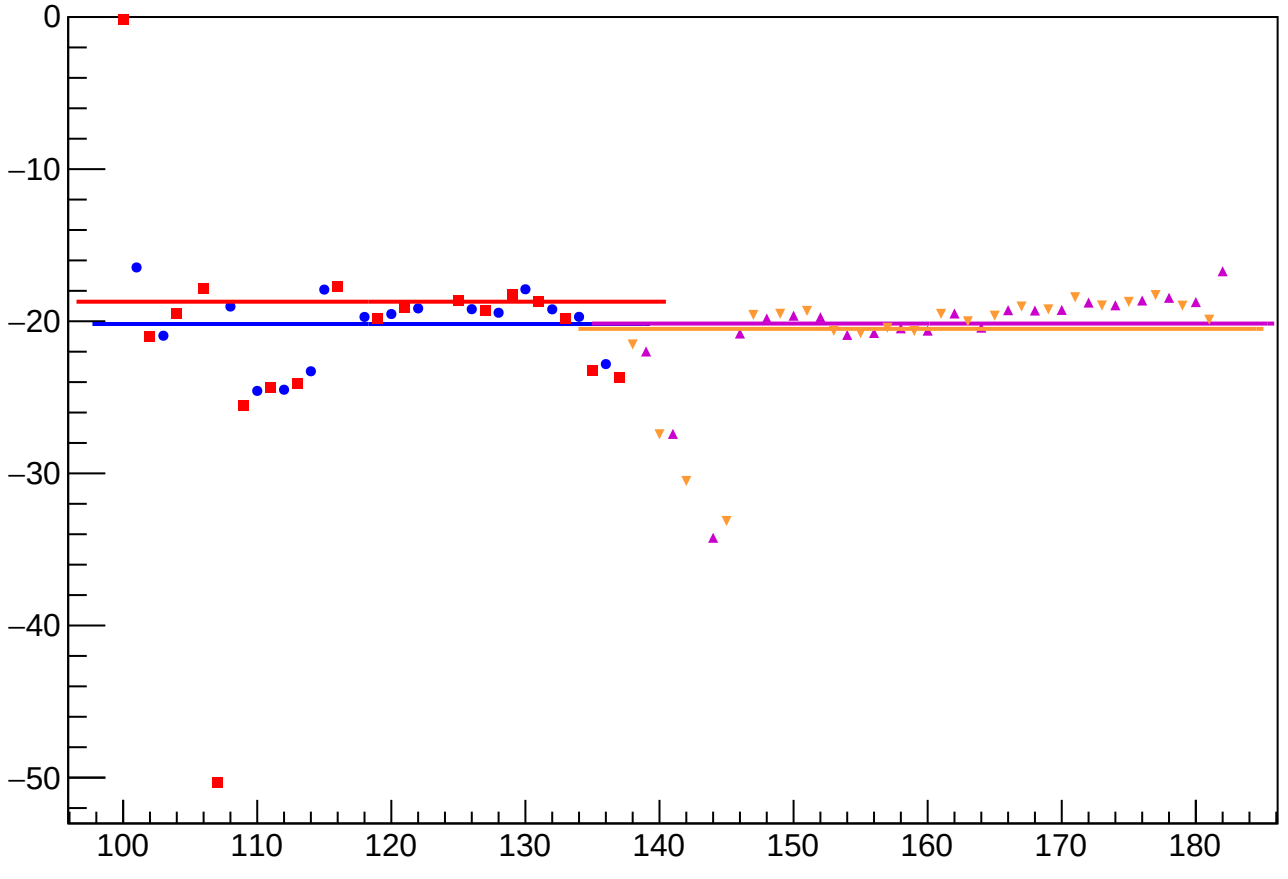
Left: 9.102+/-0.127 χ^2/NDF: 486.1/43

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.225+/-0.146 χ^2/NDF:1036.4/37

Out: 7.015+/-0.148 χ^2/NDF:967.3/39

All: 7.121+/-0.104 χ^2/NDF: 2004.8/77



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.501+/-0.008 χ^2/NDF:137392.0/21

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -20.151+/-0.008 χ^2/NDF:128127.2/21

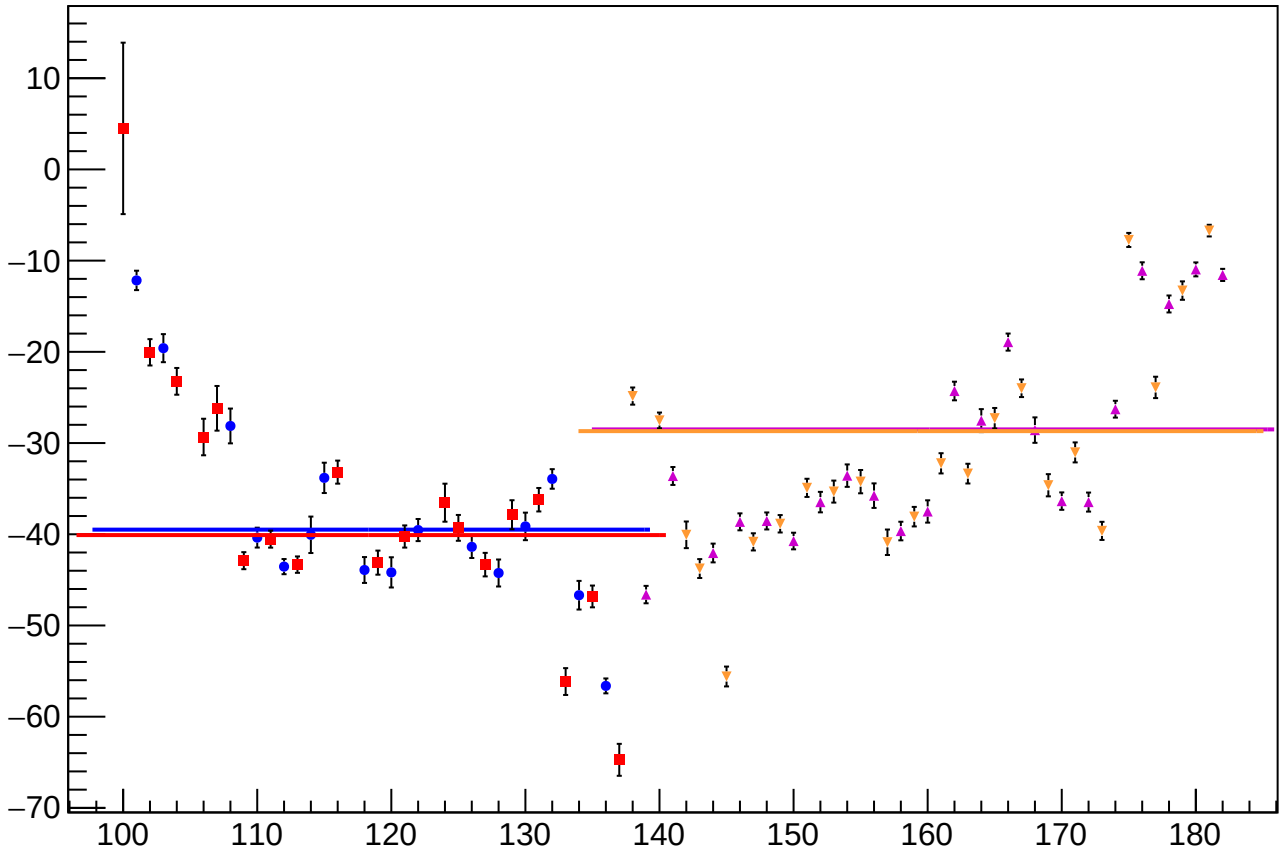
Left: -20.319+/-0.006 χ^2/NDF: 266429.2/43

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.157+/-0.007 χ^2/NDF:147986.7/37

Out: -20.101+/-0.007 χ^2/NDF:382288.6/39

All: -20.130+/-0.005 χ^2/NDF: 530304.7/77



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -28.694+/-0.211 χ^2/NDF:3789.2/22

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -28.504+/-0.209 χ^2/NDF:3241.1/21

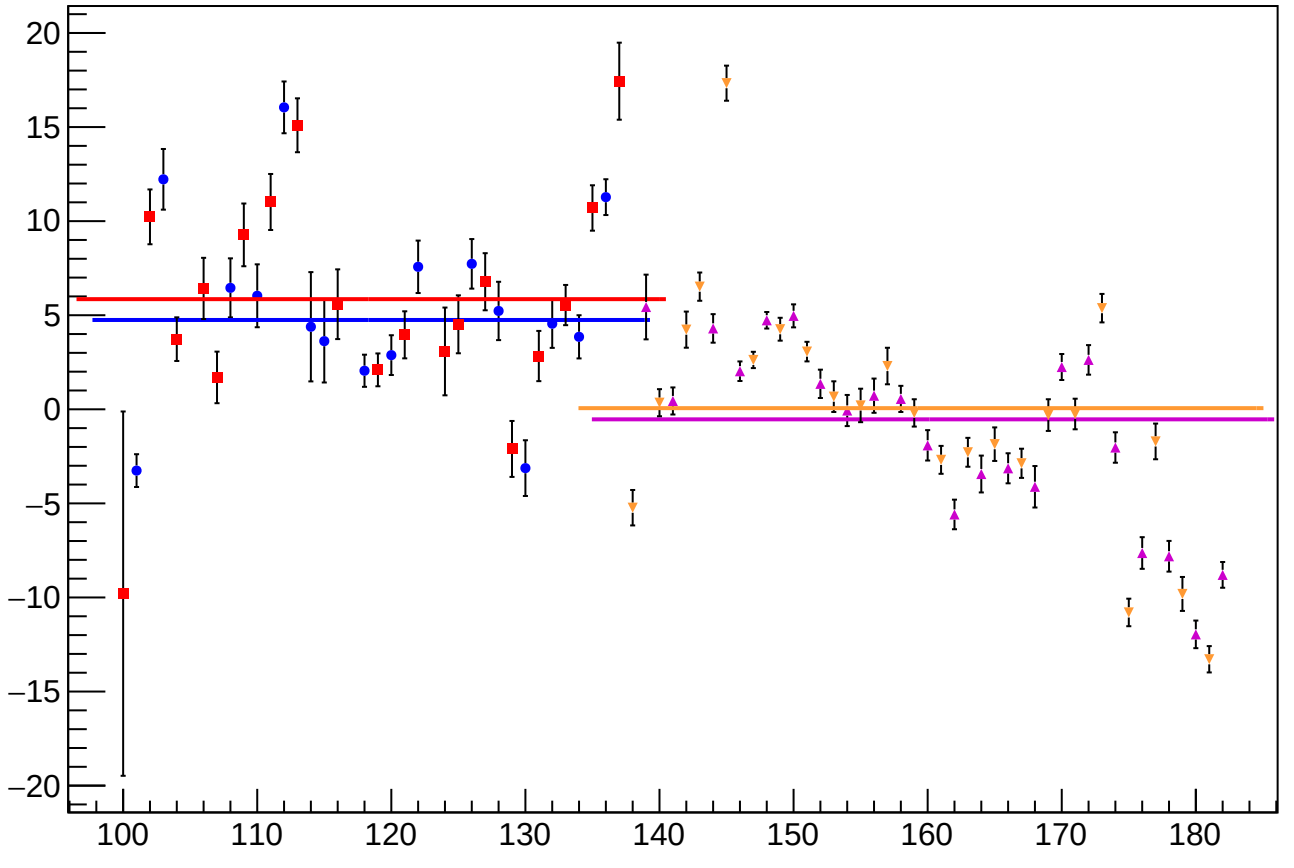
Left: -28.598+/-0.148 χ^2/NDF: 7030.8/44

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -31.923+/-0.173 χ^2/NDF:5520.2/37

Out: -32.343+/-0.174 χ^2/NDF:5560.2/41

All: -32.133+/-0.123 χ^2/NDF: 11083.3/79



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 0.061+/-0.155 χ^2/NDF:1388.3/22

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: -0.534+/-0.157 χ^2/NDF:963.1/21

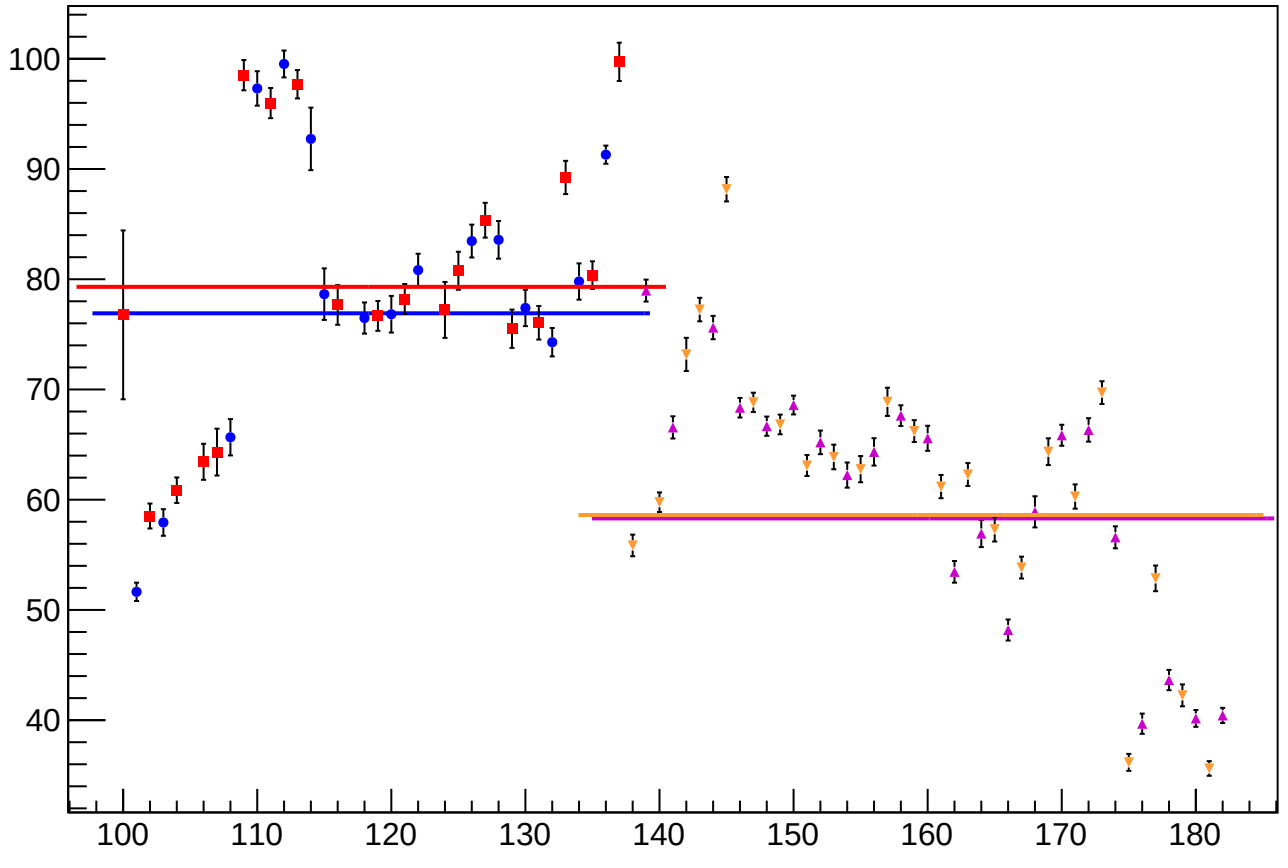
Left: -0.232+/-0.110 χ^2/NDF: 2358.7/44

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 0.508+/-0.140 χ^2/NDF:1461.3/37

Out: 1.135+/-0.139 χ^2/NDF:1836.5/41

All: 0.823+/-0.099 χ^2/NDF: 3307.8/79



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 58.613+/-0.208 χ^2/NDF:4047.4/22

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 58.300+/-0.206 χ^2/NDF:3515.3/21

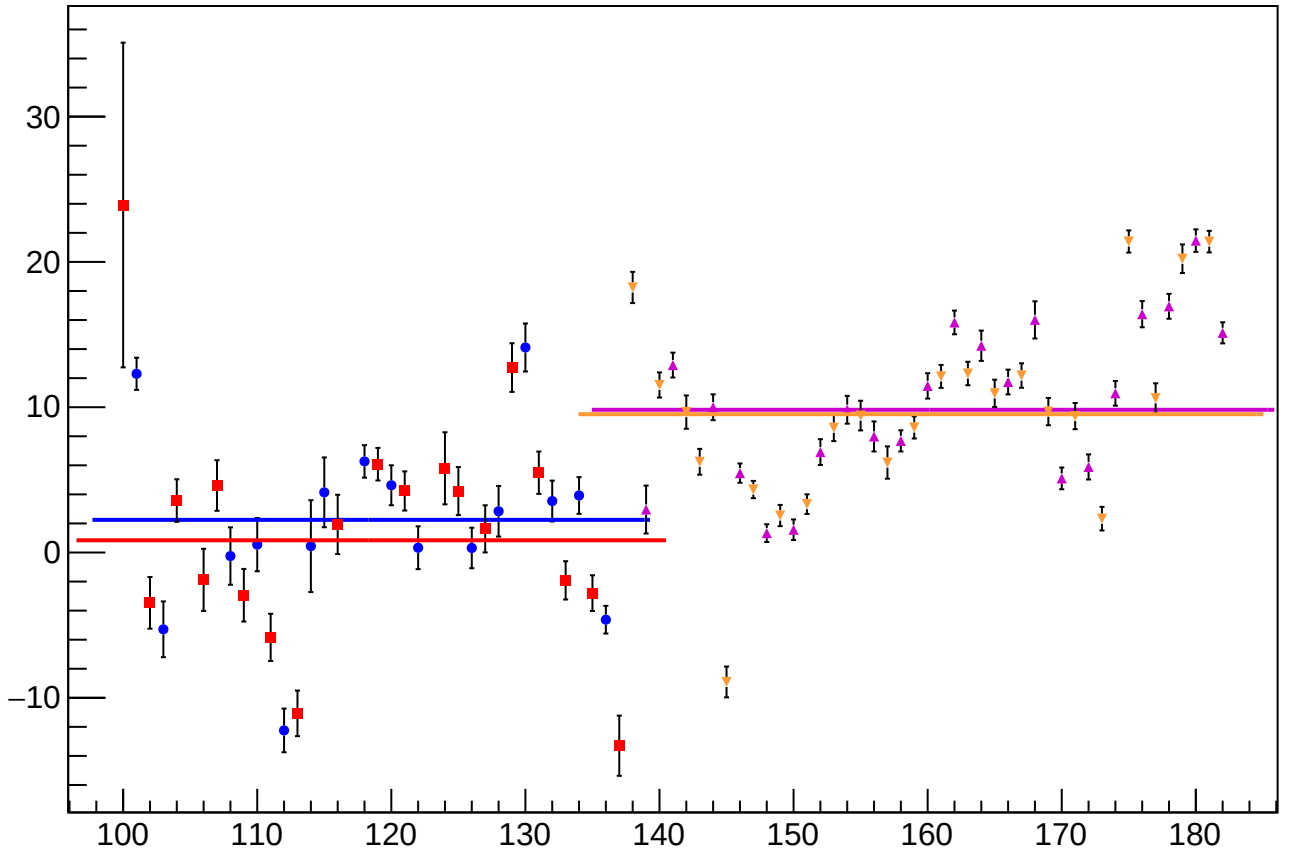
Left: 58.455+/-0.147 χ^2/NDF: 7563.9/44

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 63.372+/-0.176 χ^2/NDF:7851.2/37

Out: 64.079+/-0.179 χ^2/NDF:8149.2/41

All: 63.720+/-0.125 χ^2/NDF: 16008.4/79



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 9.520+/-0.177 χ^2/NDF:1380.9/22

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 9.823+/-0.178 χ^2/NDF:991.9/21

Left: 9.671+/-0.126 χ^2/NDF: 2374.3/44

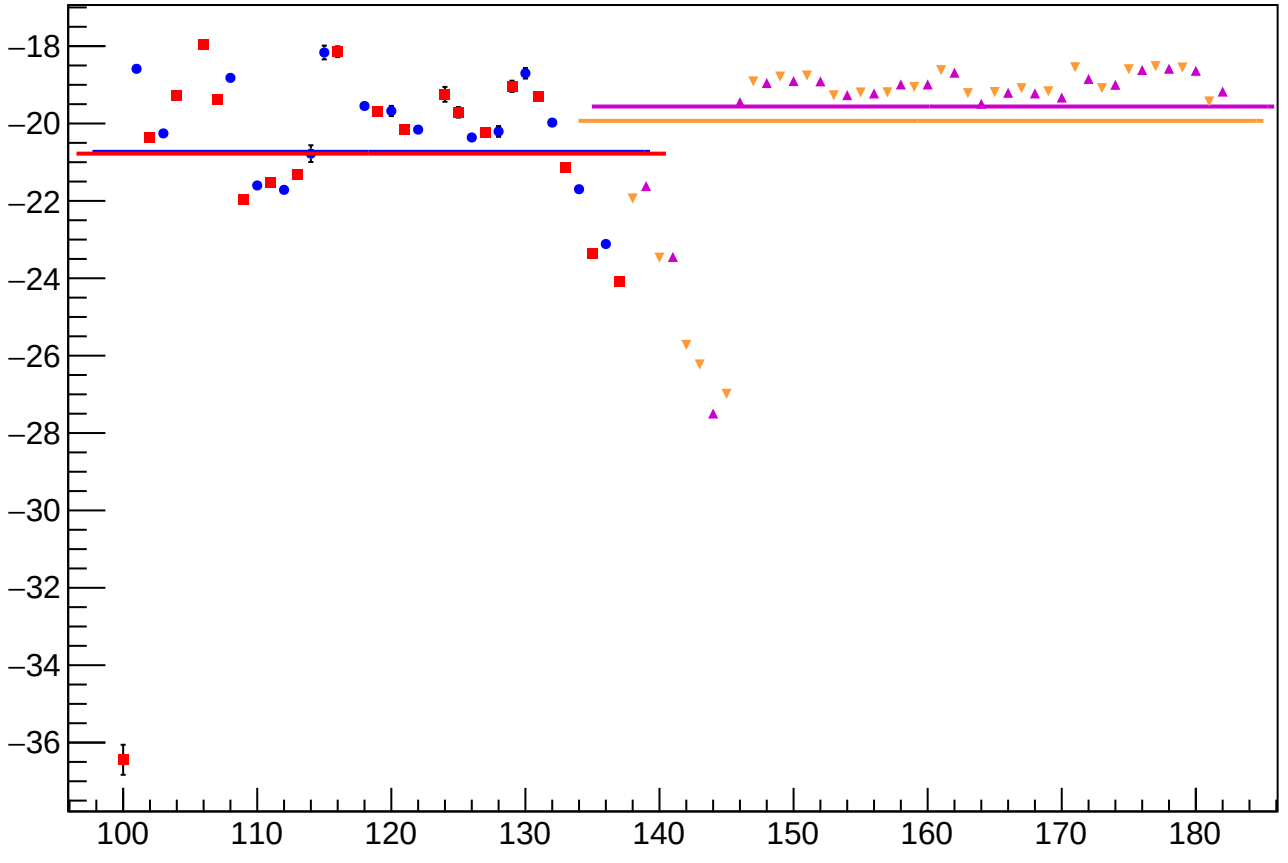
Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 8.353+/-0.160 χ^2/NDF:1662.4/37

Out: 7.912+/-0.160 χ^2/NDF:2080.5/41

All: 8.133+/-0.113 χ^2/NDF: 3746.8/79

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -19.930+/-0.008 χ^2/NDF:78089.8/22

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -19.561+/-0.008 χ^2/NDF:45172.2/21

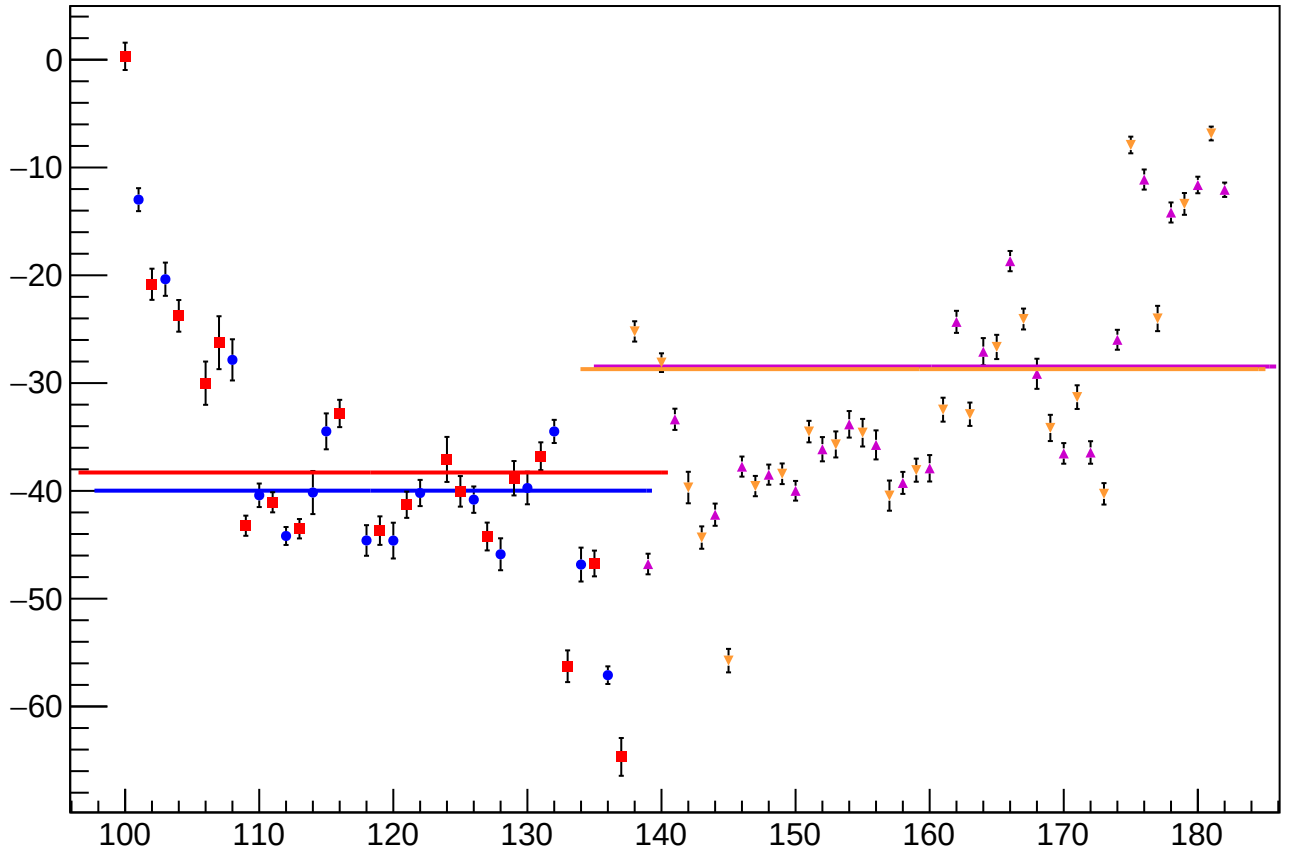
Left: -19.742+/-0.006 χ^2/NDF: 124298.6/44

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -19.732+/-0.007 χ^2/NDF:55912.2/37

Out: -20.050+/-0.008 χ^2/NDF:89031.7/41

All: -19.888+/-0.005 χ^2/NDF: 145838.7/79



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -28.705+/-0.211 χ^2/NDF:3729.3/22

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -28.462+/-0.209 χ^2/NDF:3140.4/21

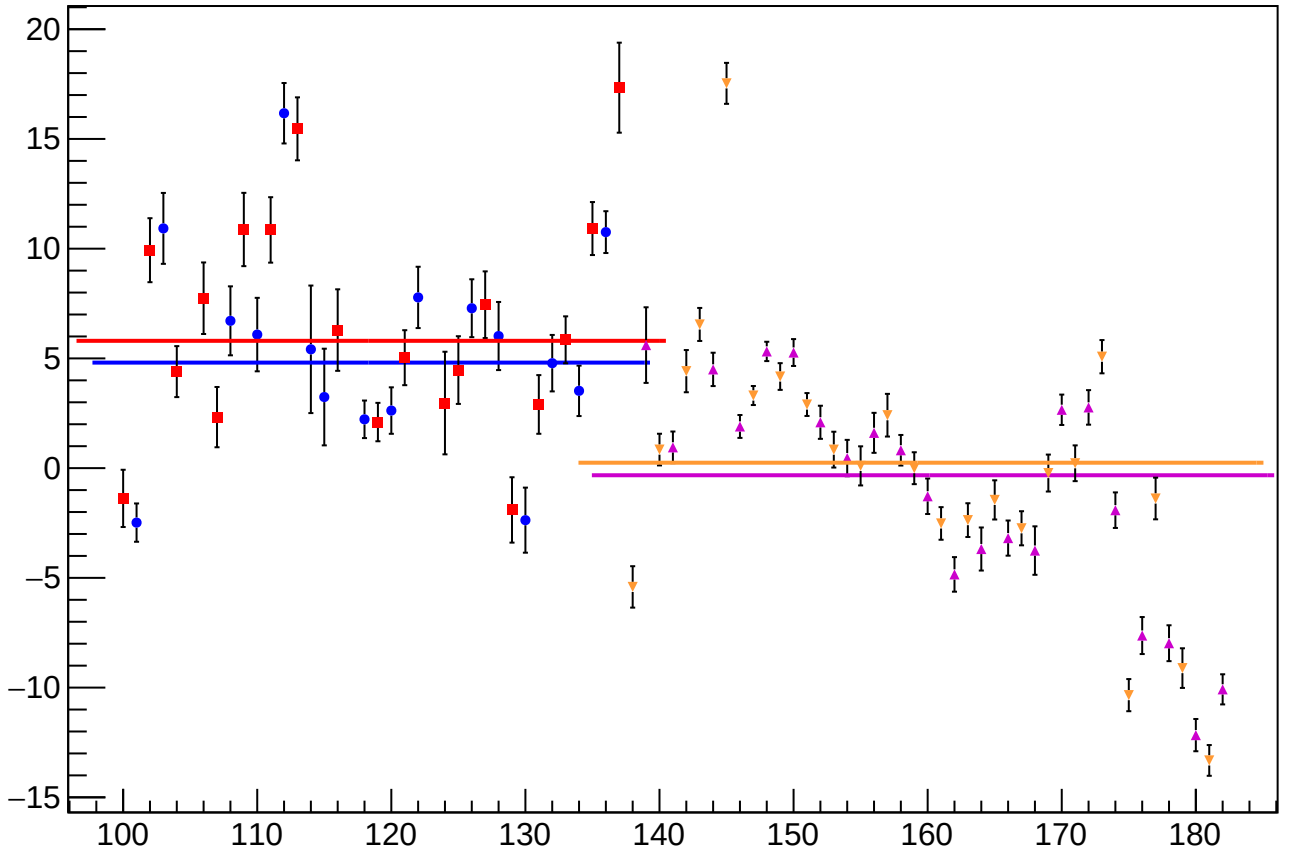
Left: -28.582+/-0.149 χ^2/NDF: 6870.3/44

Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -32.048+/-0.174 χ^2/NDF:5482.6/37

Out: -31.894+/-0.172 χ^2/NDF:6189.3/41

All: -31.971+/-0.122 χ^2/NDF: 11672.3/79



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 0.247+/-0.155 χ^2/NDF:1370.4/22

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: -0.324+/-0.157 χ^2/NDF:1069.8/21

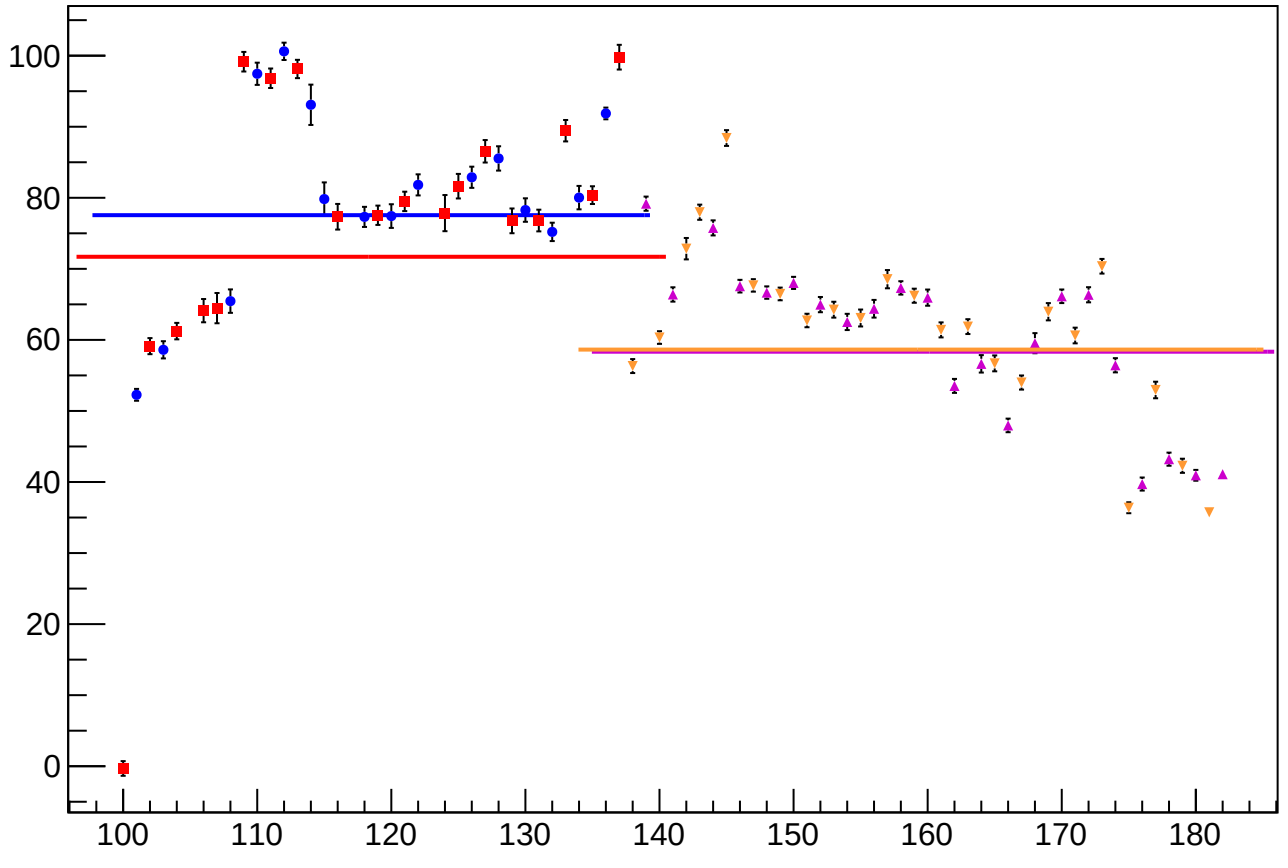
Left: -0.035+/-0.110 χ^2/NDF: 2446.9/44

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 0.688+/-0.141 χ^2/NDF:1521.5/37

Out: 1.327+/-0.139 χ^2/NDF:1837.3/41

All: 1.012+/-0.099 χ^2/NDF: 3369.2/79



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 58.635+/-0.209 χ^2/NDF:4010.7/22

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 58.337+/-0.207 χ^2/NDF:3400.9/21

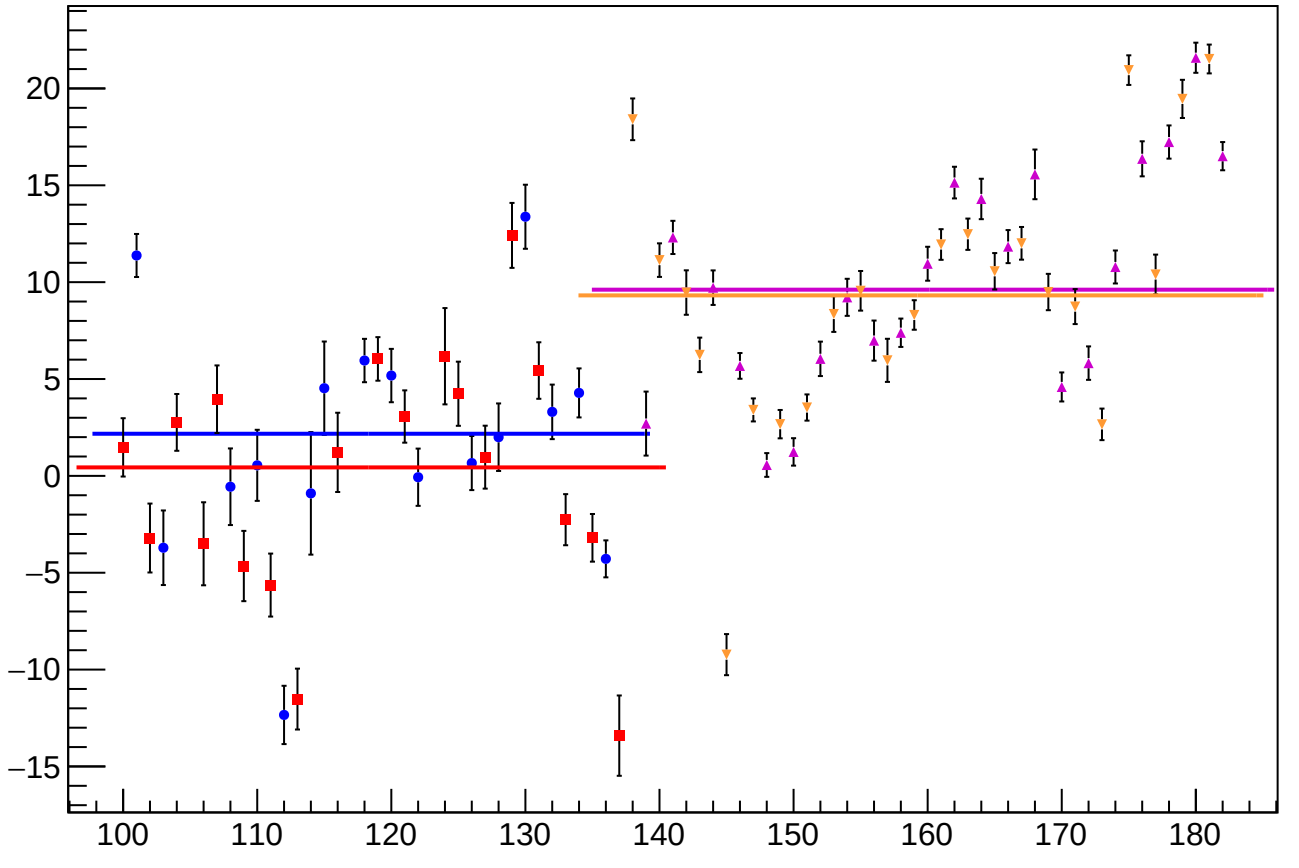
Left: 58.485+/-0.147 χ^2/NDF: 7412.6/44

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 63.577+/-0.176 χ^2/NDF:7878.7/37

Out: 62.360+/-0.176 χ^2/NDF:12031.6/41

All: 62.970+/-0.125 χ^2/NDF: 19934.1/79



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 9.317+/-0.178 χ^2/NDF:1373.1/22

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 9.612+/-0.178 χ^2/NDF:1076.3/21

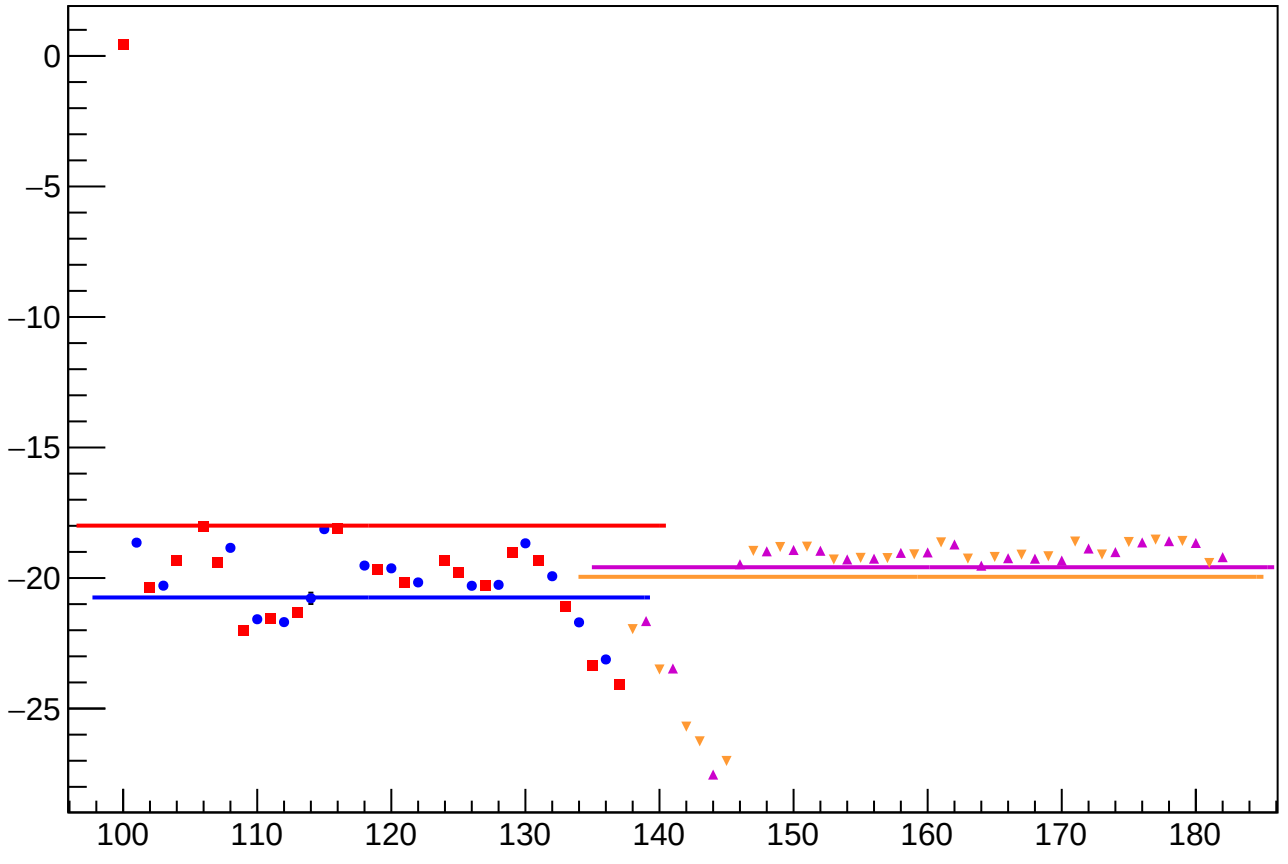
Left: 9.464+/-0.126 χ^2/NDF: 2450.7/44

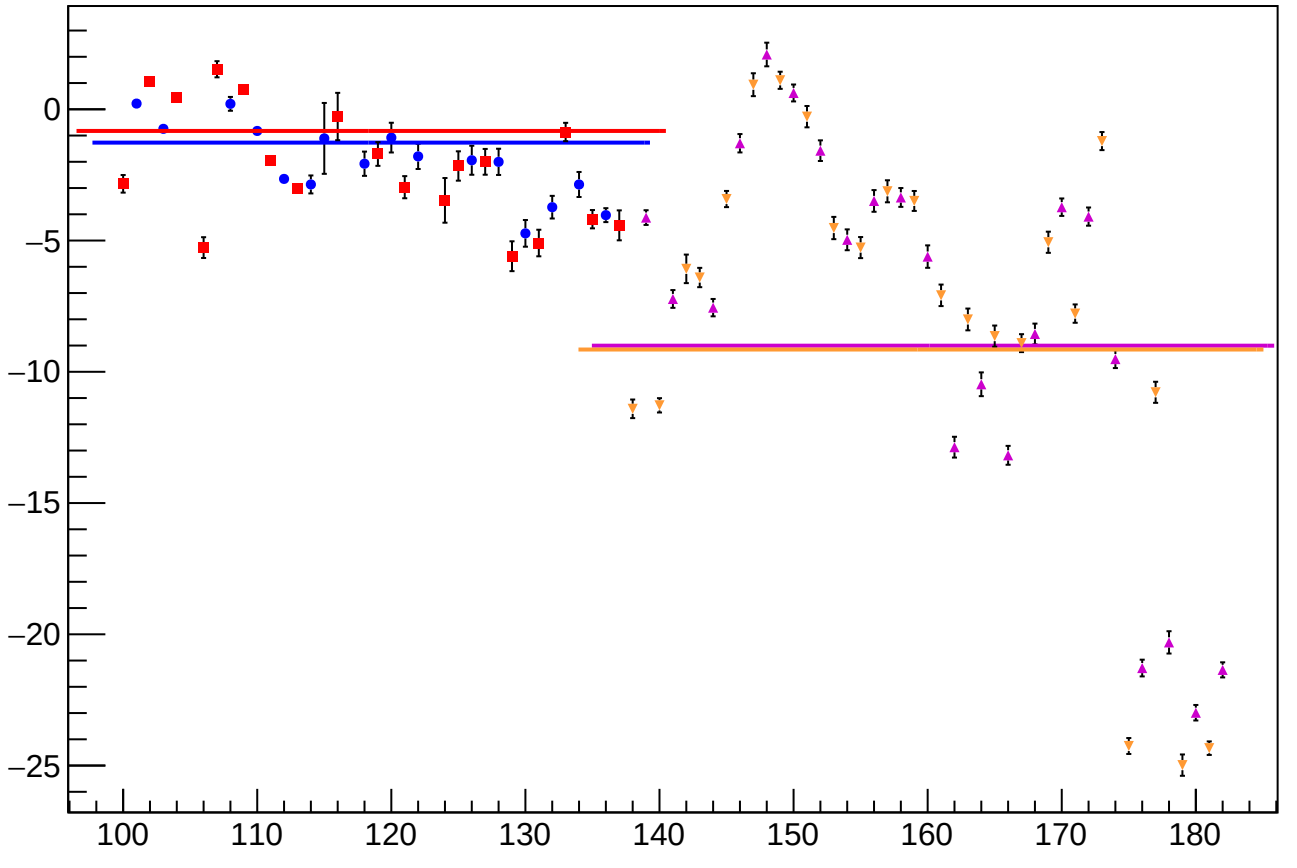
Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 8.168+/-0.160 χ^2/NDF:1703.8/37

Out: 7.593+/-0.159 χ^2/NDF:2112.2/41

All: 7.879+/-0.113 χ^2/NDF: 3822.5/79


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
160
170
180
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
Left Out: -19.954+/-0.008 χ²/NDF:77691.7/22
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -19.586+/-0.008 χ²/NDF:45085.2/21
Left: -19.767+/-0.006 χ²/NDF: 123800.3/44
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -19.756+/-0.007 χ²/NDF:55626.1/37
Out: -19.643+/-0.008 χ²/NDF:237348.8/41
All: -19.700+/-0.005 χ²/NDF: 293088.9/79



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -9.152+/-0.076 χ^2/NDF:11337.3/22

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -9.005+/-0.076 χ^2/NDF:10249.5/21

Left: -9.078+/-0.053 χ^2/NDF: 21588.8/44

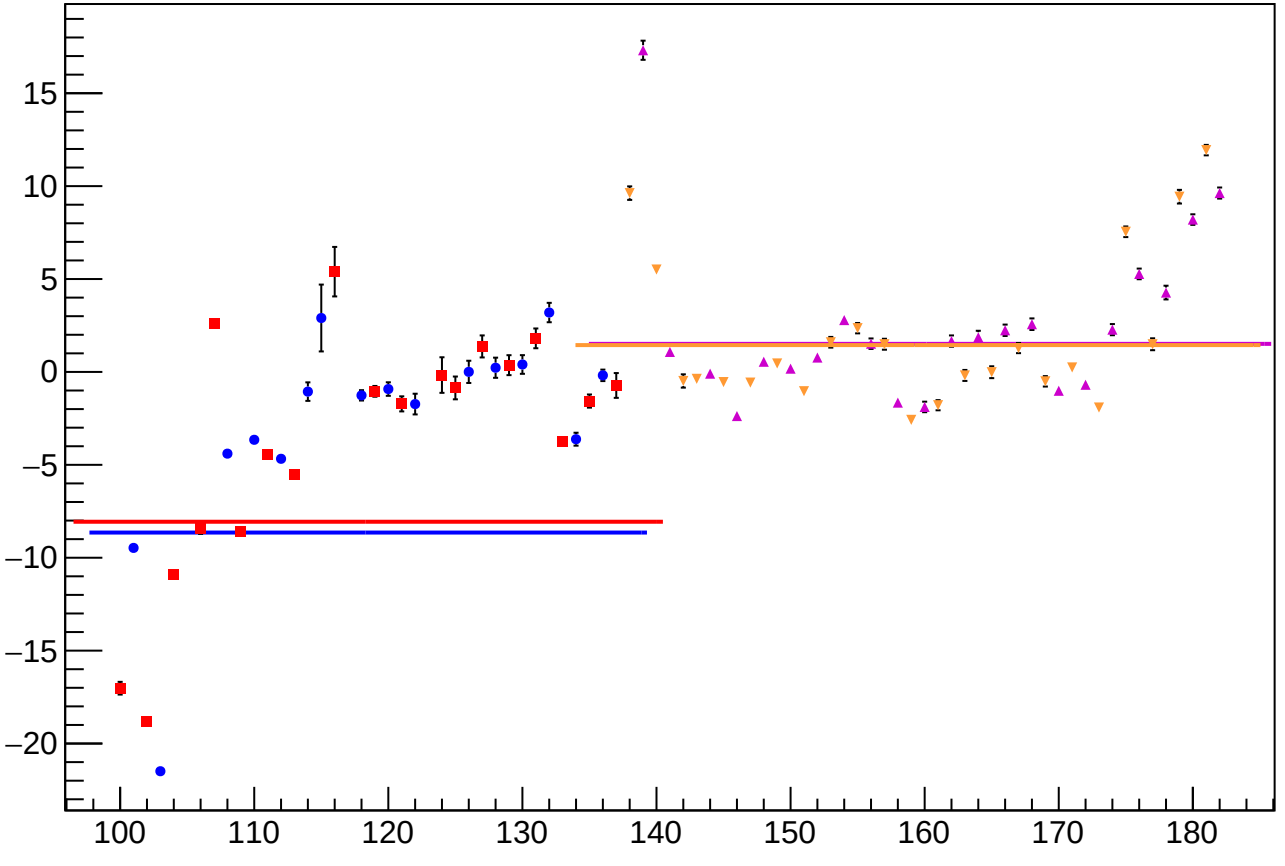
Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -3.921+/-0.044 χ^2/NDF:17763.5/37

Out: -3.434+/-0.042 χ^2/NDF:21061.6/41

All: -3.666+/-0.031 χ^2/NDF: 38888.4/79

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.444+/-0.057 χ^2/NDF:4184.2/22

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 1.511+/-0.058 χ^2/NDF:3447.2/21

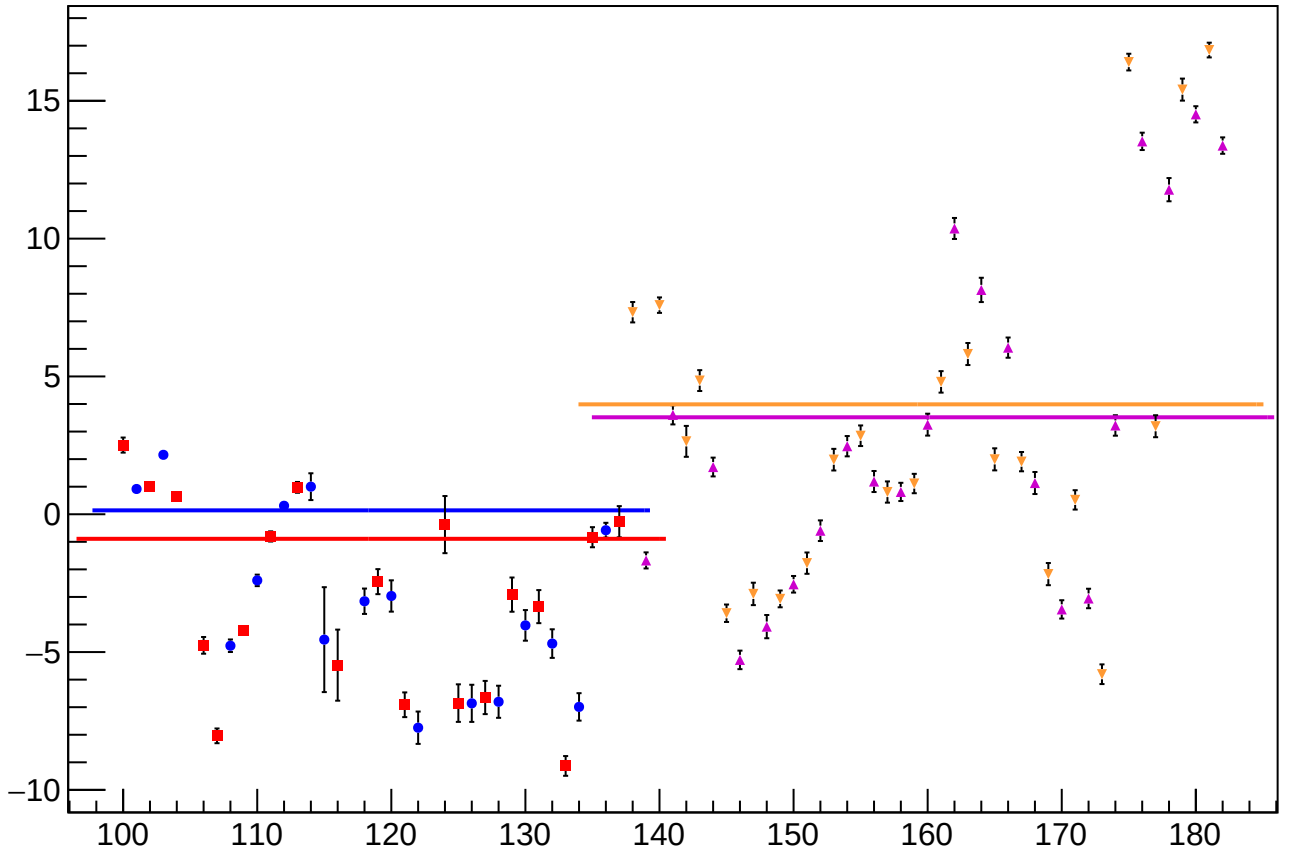
Left: 1.477+/-0.041 χ^2/NDF: 7632.1/44

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -3.665+/-0.041 χ^2/NDF:32875.7/37

Out: -3.229+/-0.040 χ^2/NDF:32510.5/41

All: -3.445+/-0.029 χ^2/NDF: 65444.1/79



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 3.988+/-0.075 χ^2/NDF:8020.6/22

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 3.518+/-0.075 χ^2/NDF:7185.2/21

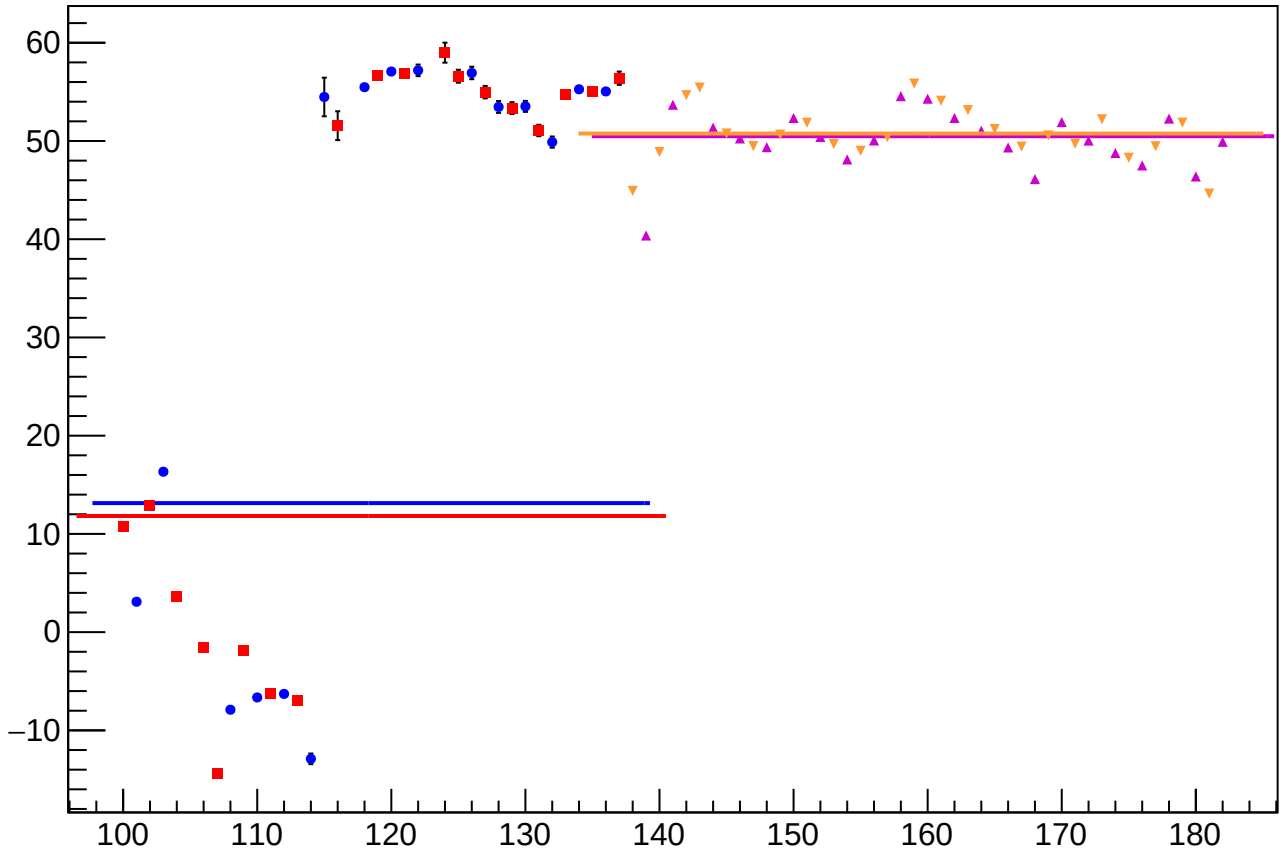
Left: 3.752+/-0.053 χ^2/NDF: 15225.6/44

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 1.272+/-0.043 χ^2/NDF:10507.0/37

Out: 0.766+/-0.044 χ^2/NDF:13818.2/41

All: 1.021+/-0.031 χ^2/NDF: 24393.3/79



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.760+/-0.064 χ^2/NDF:1740.0/22

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.483+/-0.065 χ^2/NDF:1641.7/21

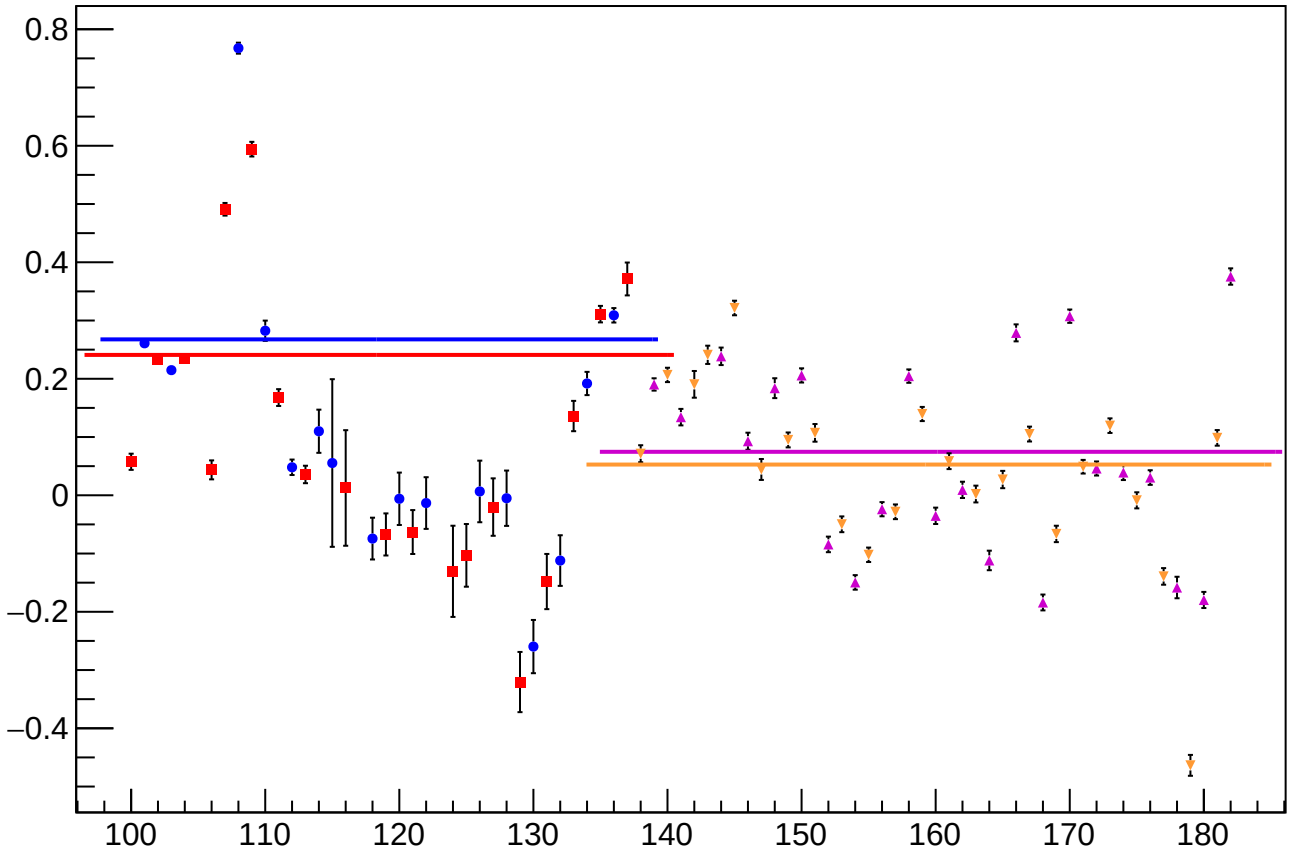
Left: 50.623+/-0.046 χ^2/NDF: 3390.9/44

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 32.570+/-0.047 χ^2/NDF:267438.4/37

Out: 32.360+/-0.047 χ^2/NDF:293627.6/41

All: 32.464+/-0.033 χ^2/NDF: 561076.0/79



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.053+/-0.003 χ^2/NDF:2303.4/22

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.075+/-0.003 χ^2/NDF:3229.3/21

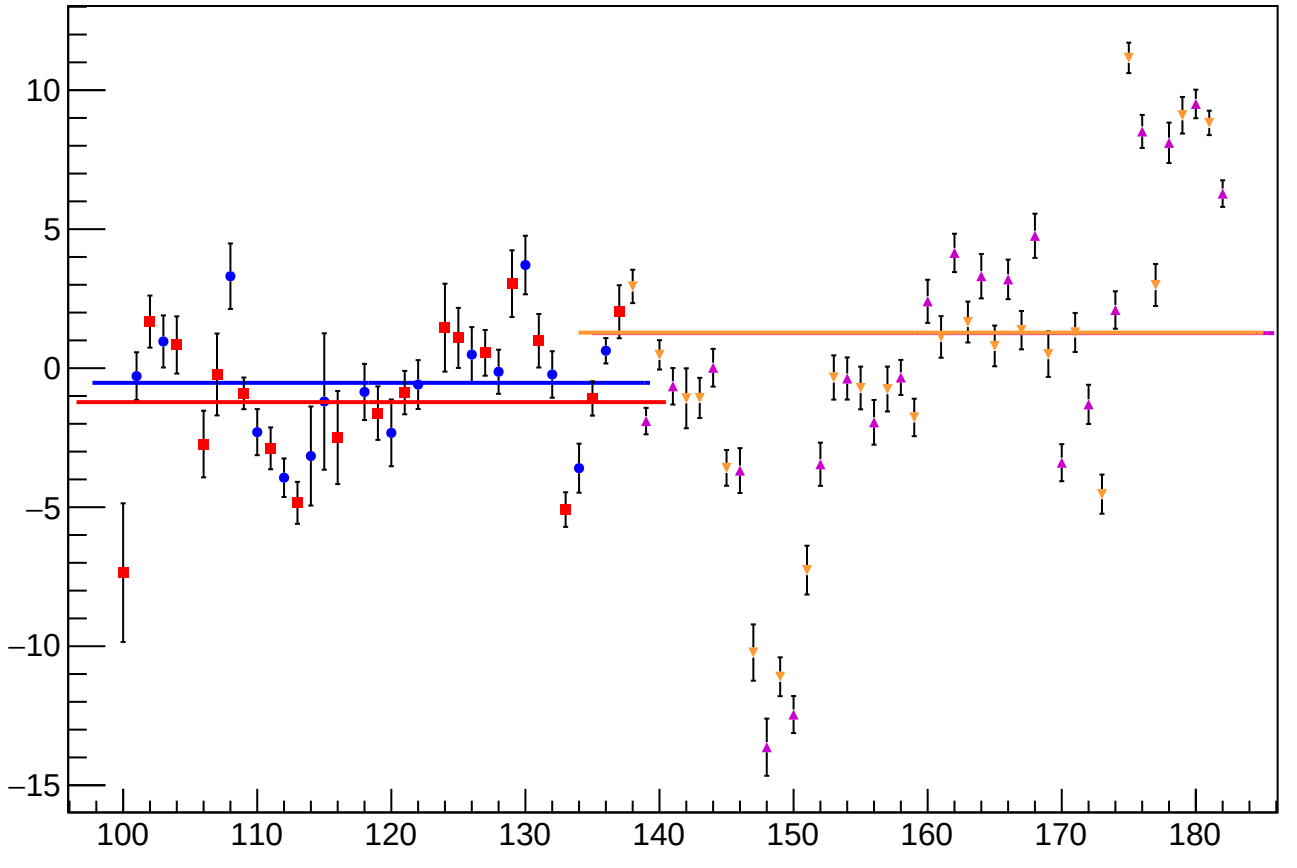
Left: 0.064+/-0.002 χ^2/NDF: 5561.8/44

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.173+/-0.002 χ^2/NDF:9291.3/37

Out: 0.151+/-0.002 χ^2/NDF:6880.6/41

All: 0.162+/-0.001 χ^2/NDF: 16231.4/79



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: 1.279+/-0.143 χ^2/NDF:1494.4/22

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: 1.262+/-0.142 χ^2/NDF:1512.0/21

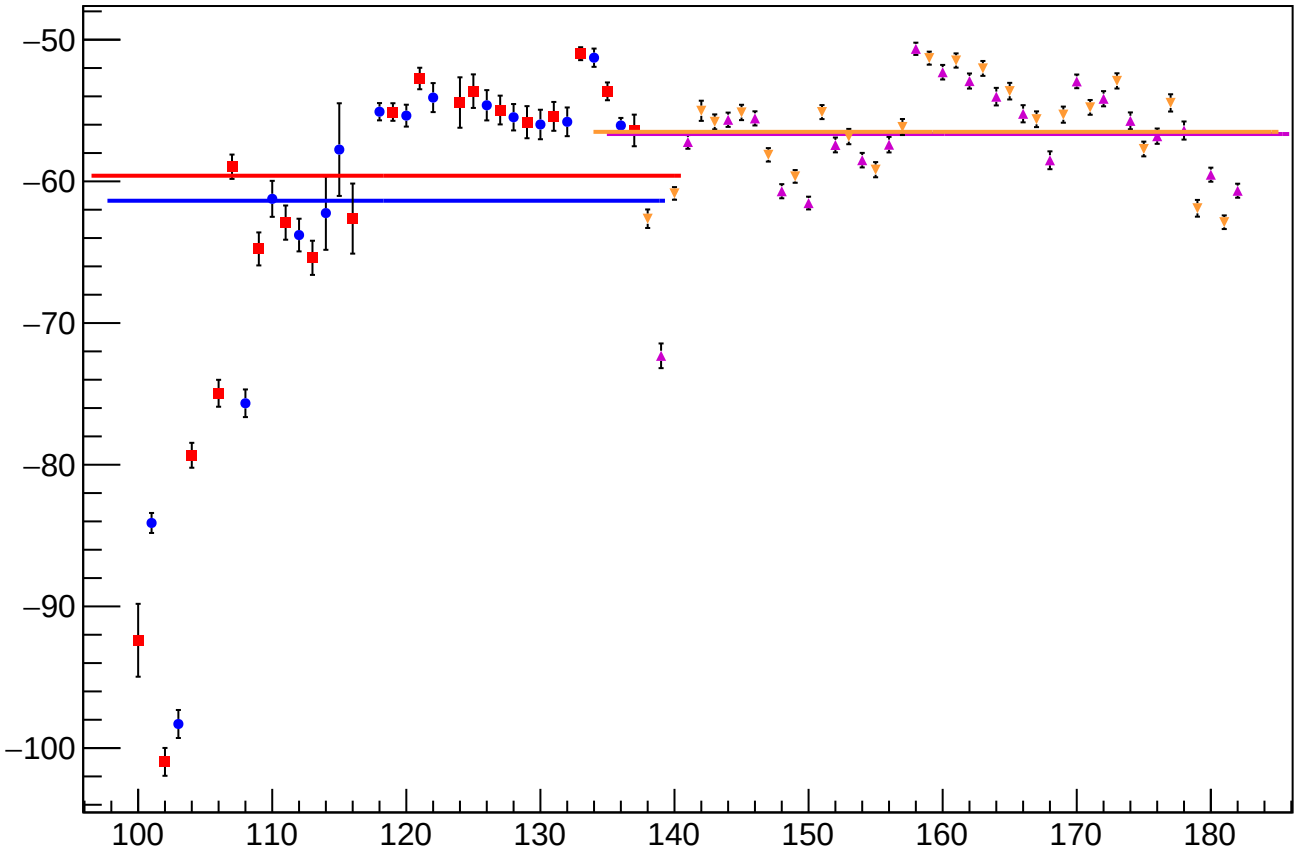
Left: 1.270+/-0.101 χ^2/NDF: 3006.4/44

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: 0.724+/-0.119 χ^2/NDF:1642.1/37

Out: 0.455+/-0.117 χ^2/NDF:1725.4/41

All: 0.587+/-0.084 χ^2/NDF: 3370.2/79



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.505+/-0.110 χ^2/NDF:951.4/22

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -56.658+/-0.113 χ^2/NDF:1061.0/21

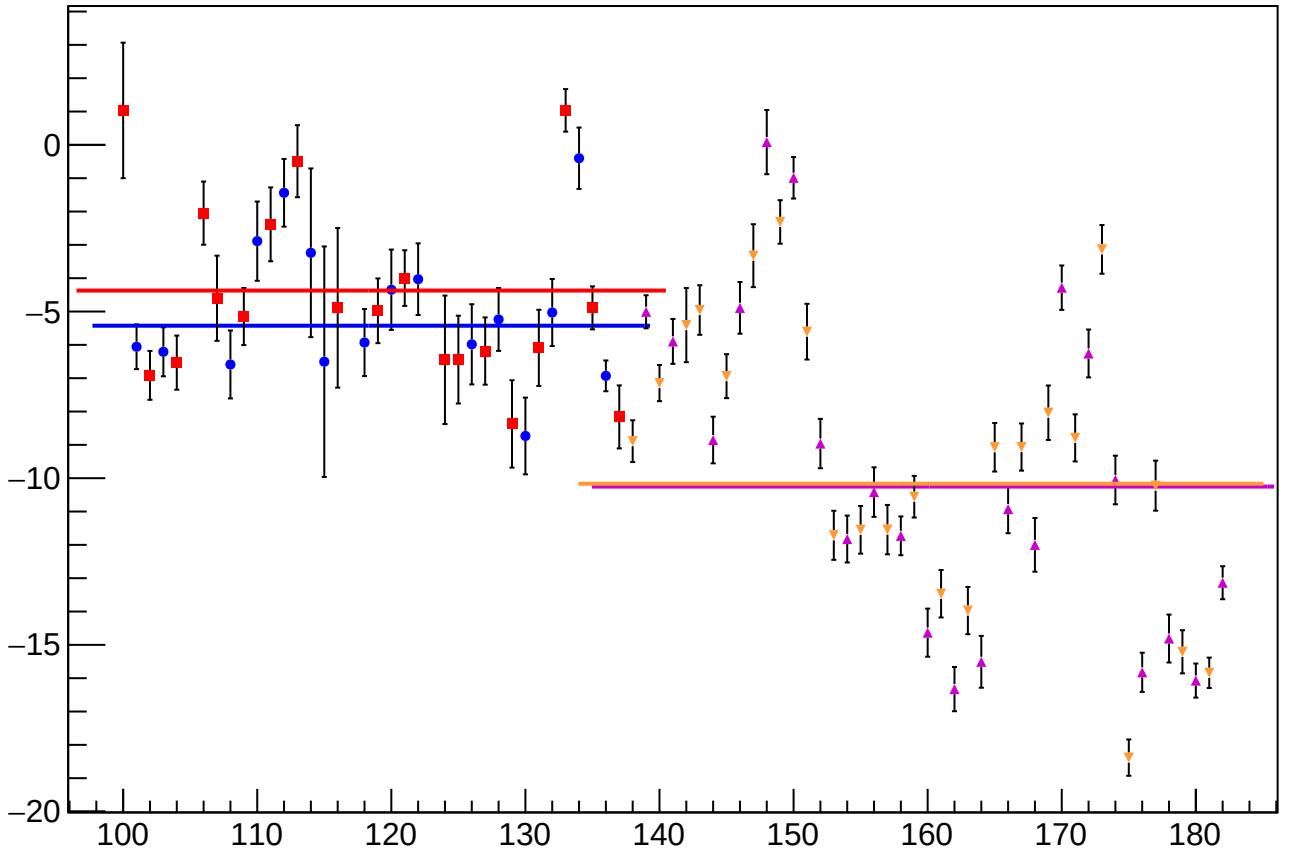
Left: -56.580+/-0.079 χ^2/NDF: 2013.3/44

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -57.648+/-0.100 χ^2/NDF:4777.3/37

Out: -57.193+/-0.097 χ^2/NDF:4547.4/41

All: -57.414+/-0.070 χ^2/NDF: 9335.2/79



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -10.166+/-0.142 χ^2/NDF:966.0/22

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -10.251+/-0.141 χ^2/NDF:1133.7/21

Left: -10.209+/-0.100 χ^2/NDF: 2099.9/44

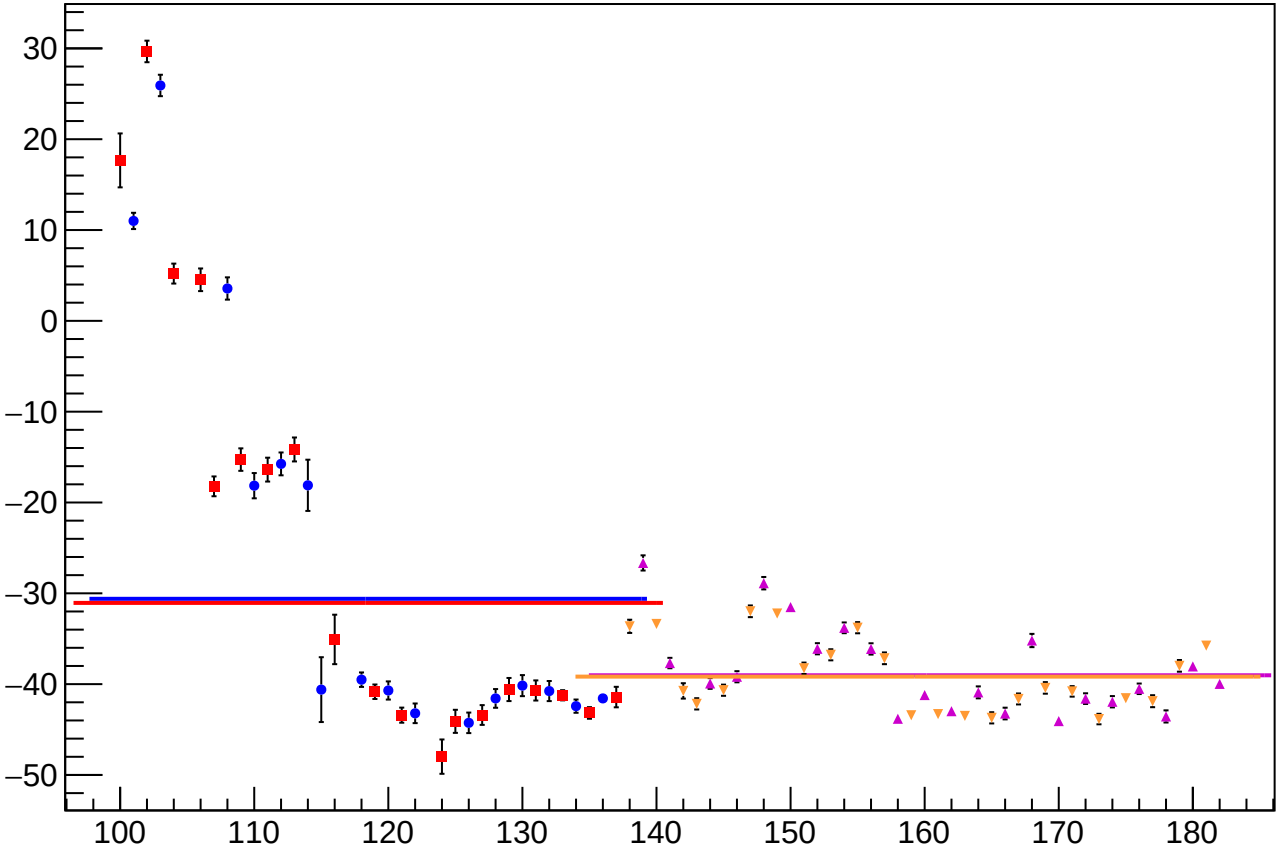
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -8.933+/-0.120 χ^2/NDF:1529.9/37

Out: -8.486+/-0.120 χ^2/NDF:1604.3/41

All: -8.709+/-0.085 χ^2/NDF: 3141.2/79

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.172+/-0.124 χ^2/NDF:1033.6/22

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -39.026+/-0.126 χ^2/NDF:1225.4/21

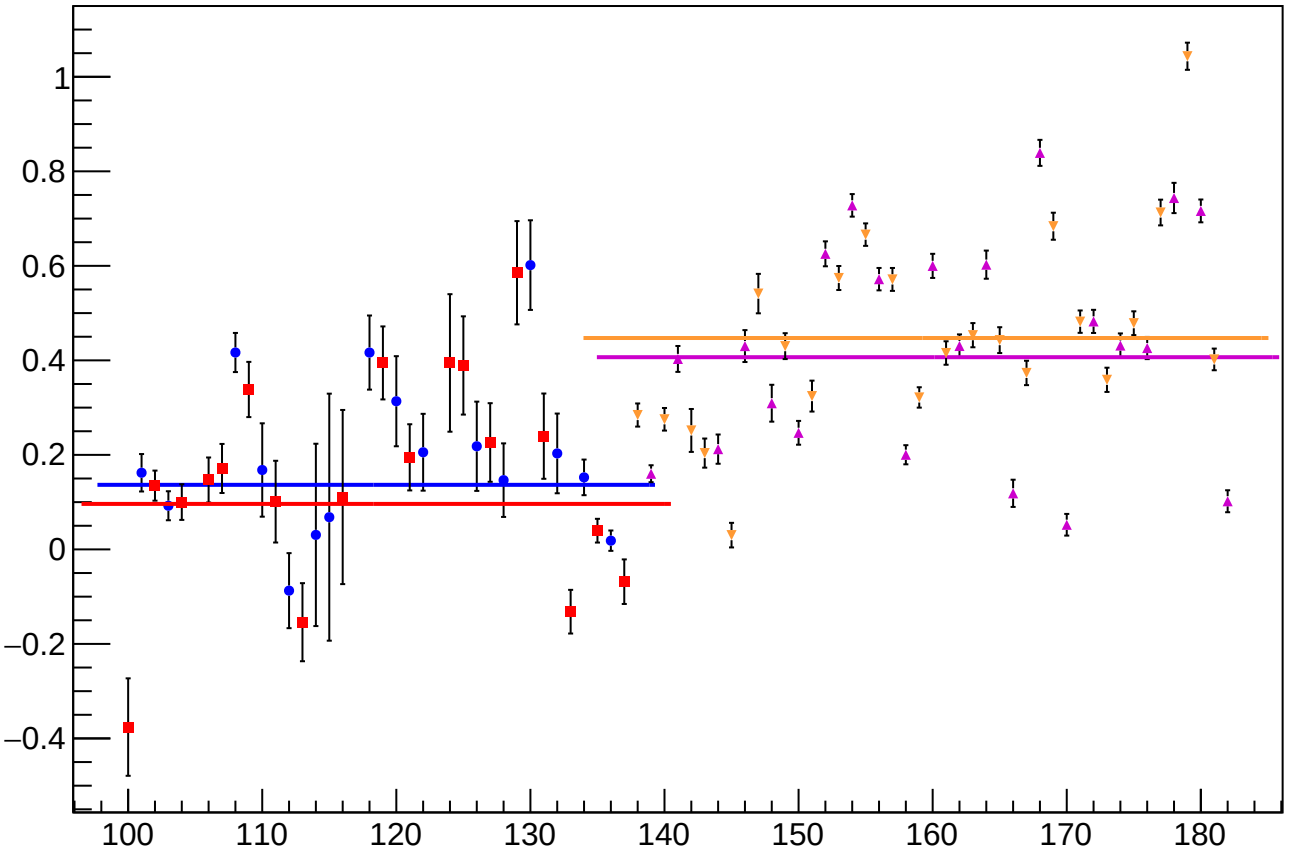
Left: -39.100+/-0.088 χ^2/NDF: 2259.8/44

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -37.324+/-0.112 χ^2/NDF:9073.1/37

Out: -37.434+/-0.110 χ^2/NDF:8925.7/41

All: -37.380+/-0.079 χ^2/NDF: 17999.3/79



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.447+/-0.006 χ^2/NDF:1247.2/22

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.407+/-0.005 χ^2/NDF:1823.5/21

Left: 0.427+/-0.004 χ^2/NDF: 3098.4/44

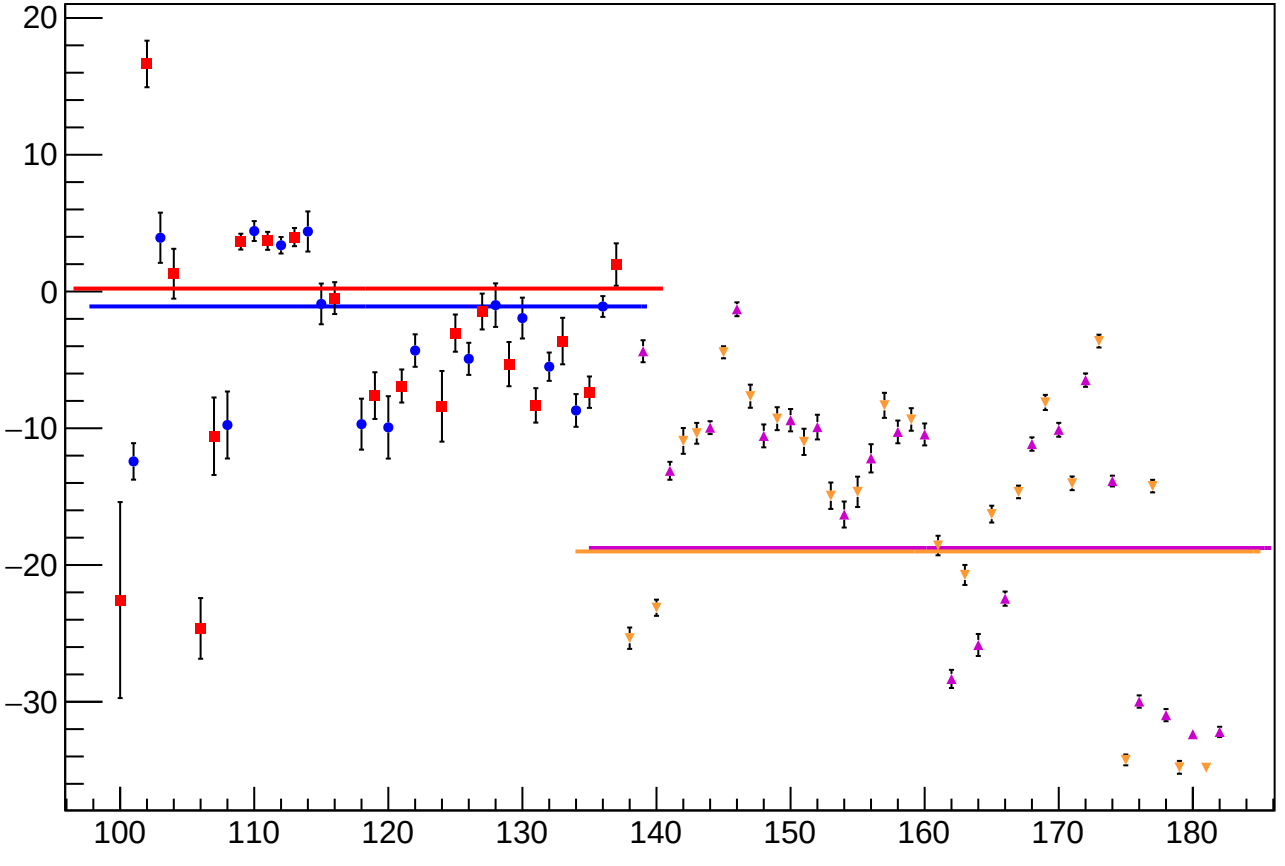
Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.364+/-0.005 χ^2/NDF:2346.0/37

Out: 0.389+/-0.005 χ^2/NDF:2069.7/41

All: 0.376+/-0.004 χ^2/NDF: 4428.1/79

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: -19.007+/-0.120 χ^2/NDF:8920.8/22

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -18.755+/-0.118 χ^2/NDF:8223.7/21

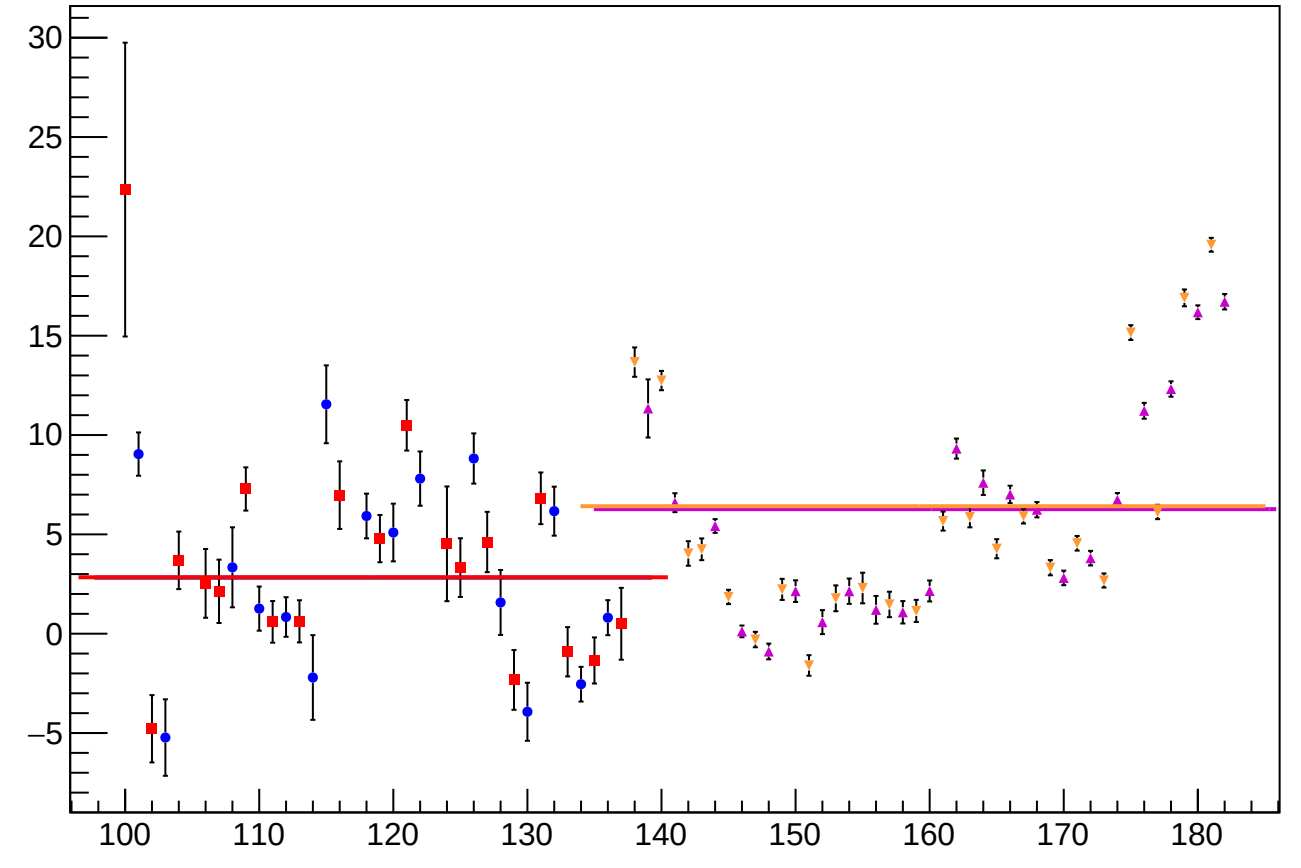
Left: -18.879+/-0.084 χ^2/NDF: 17146.8/44

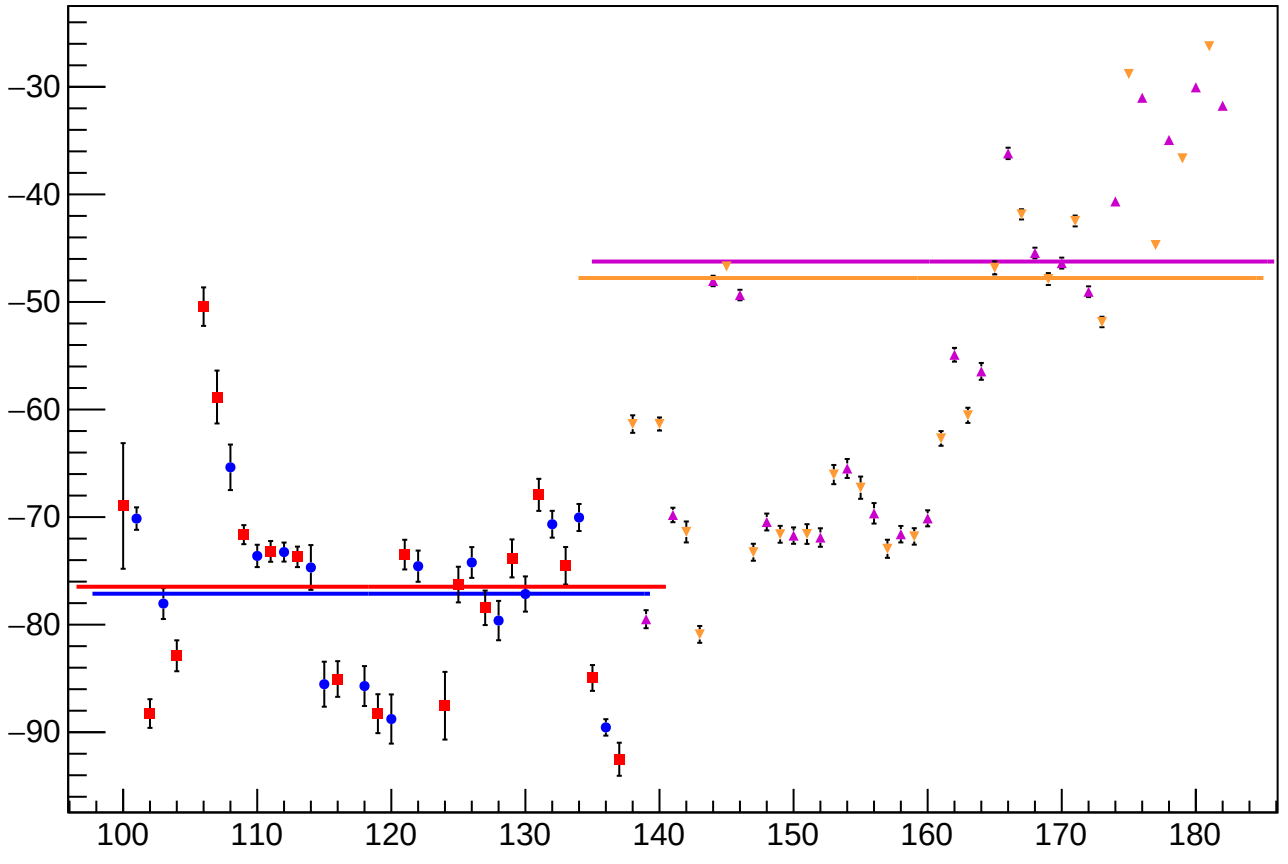
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -16.116+/-0.108 χ^2/NDF:11926.6/37

Out: -15.751+/-0.110 χ^2/NDF:13773.9/41

All: -15.936+/-0.077 χ^2/NDF: 25706.1/79


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
180
Right In: 2.823+/-0.313 χ²/NDF: 199.6/15
Left Out: 6.417+/-0.094 χ²/NDF:4098.2/22
Right Out: 2.840+/-0.322 χ²/NDF: 145.0/18
Left In: 6.270+/-0.092 χ²/NDF:3283.0/21
Left: 6.342+/-0.066 χ²/NDF: 7382.4/44
Right: 2.831+/-0.225 χ²/NDF: 344.5/34
In: 5.996+/-0.088 χ²/NDF:3593.9/37
Out: 6.138+/-0.090 χ²/NDF:4356.7/41
All: 6.066+/-0.063 χ²/NDF: 7951.8/79



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -47.773+/-0.120 χ^2/NDF:16721.8/22

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -46.242+/-0.118 χ^2/NDF:15168.9/21

Left: -46.990+/-0.084 χ^2/NDF: 31973.5/44

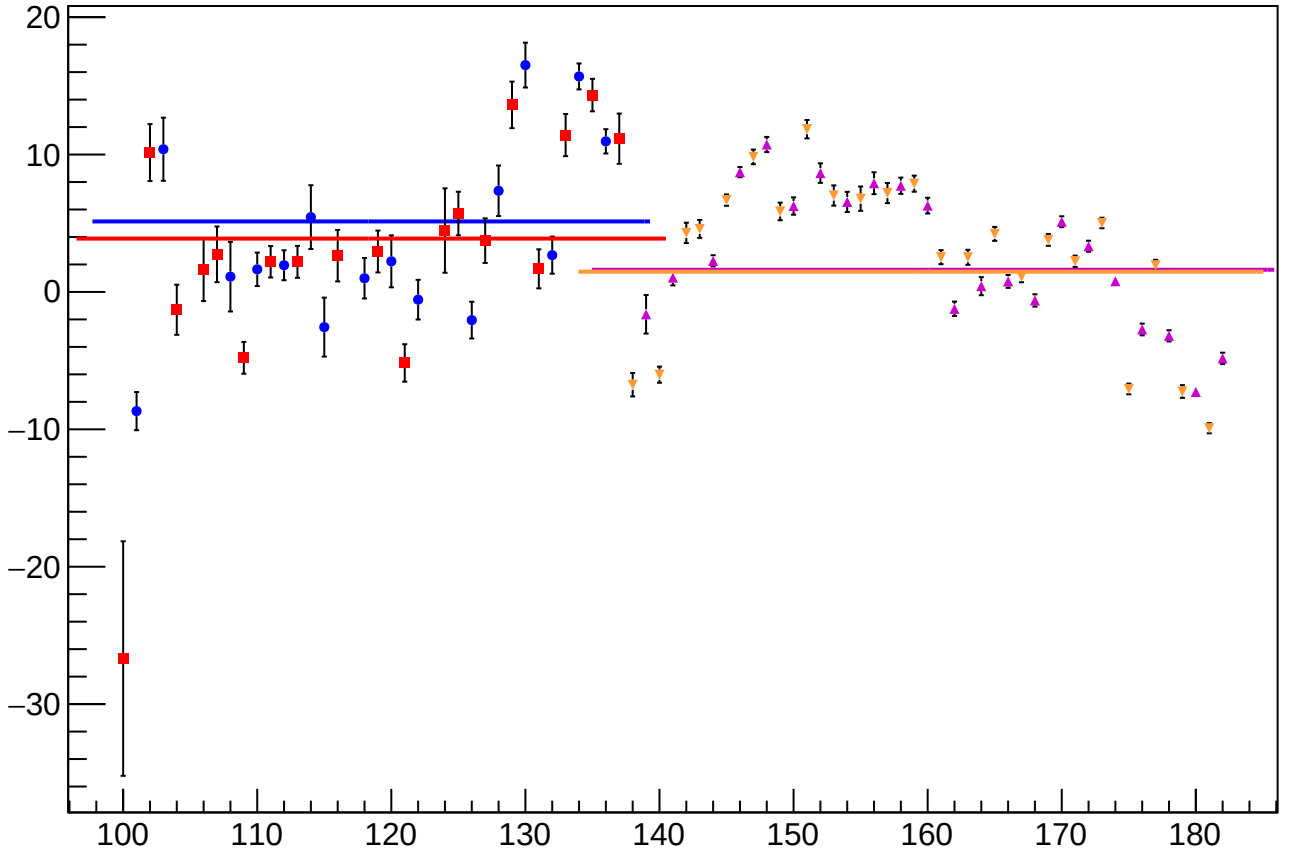
Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -49.795+/-0.111 χ^2/NDF:23599.3/37

Out: -51.170+/-0.113 χ^2/NDF:24148.7/41

All: -50.468+/-0.079 χ^2/NDF: 47823.6/79

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 1.475+/-0.105 χ^2/NDF:3194.9/22

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 1.616+/-0.103 χ^2/NDF:2314.0/21

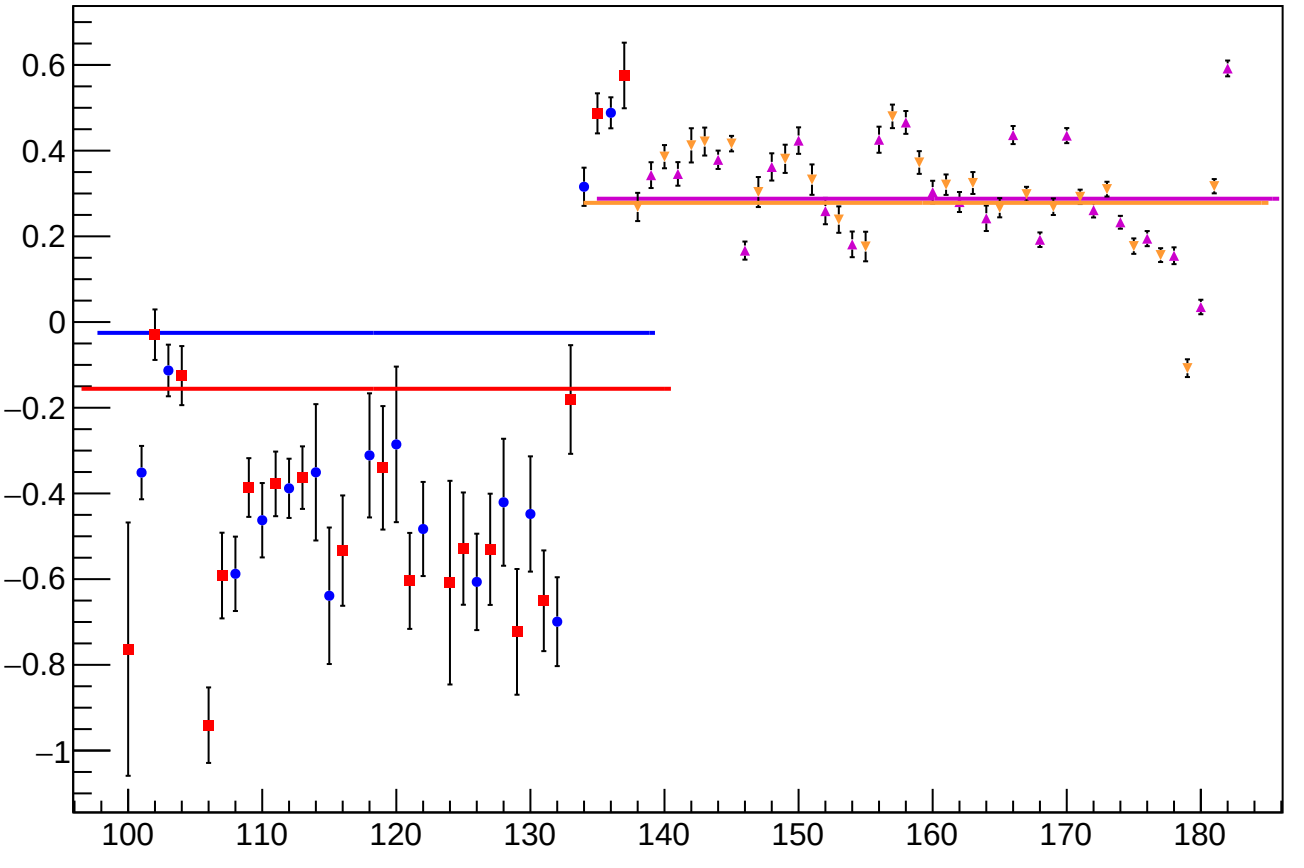
Left: 1.547+/-0.073 χ^2/NDF: 5509.8/44

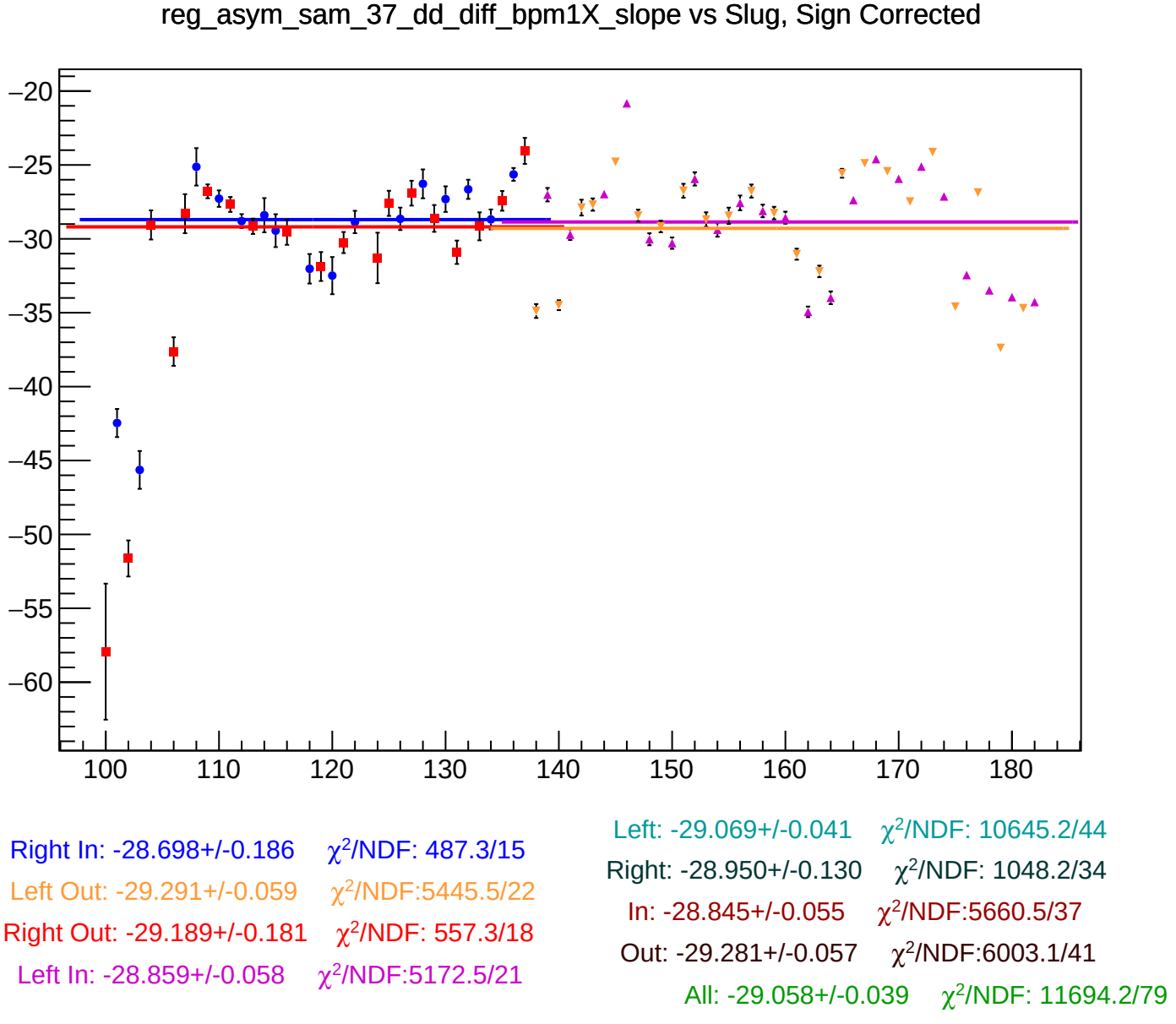
Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 1.897+/-0.099 χ^2/NDF:2819.4/37

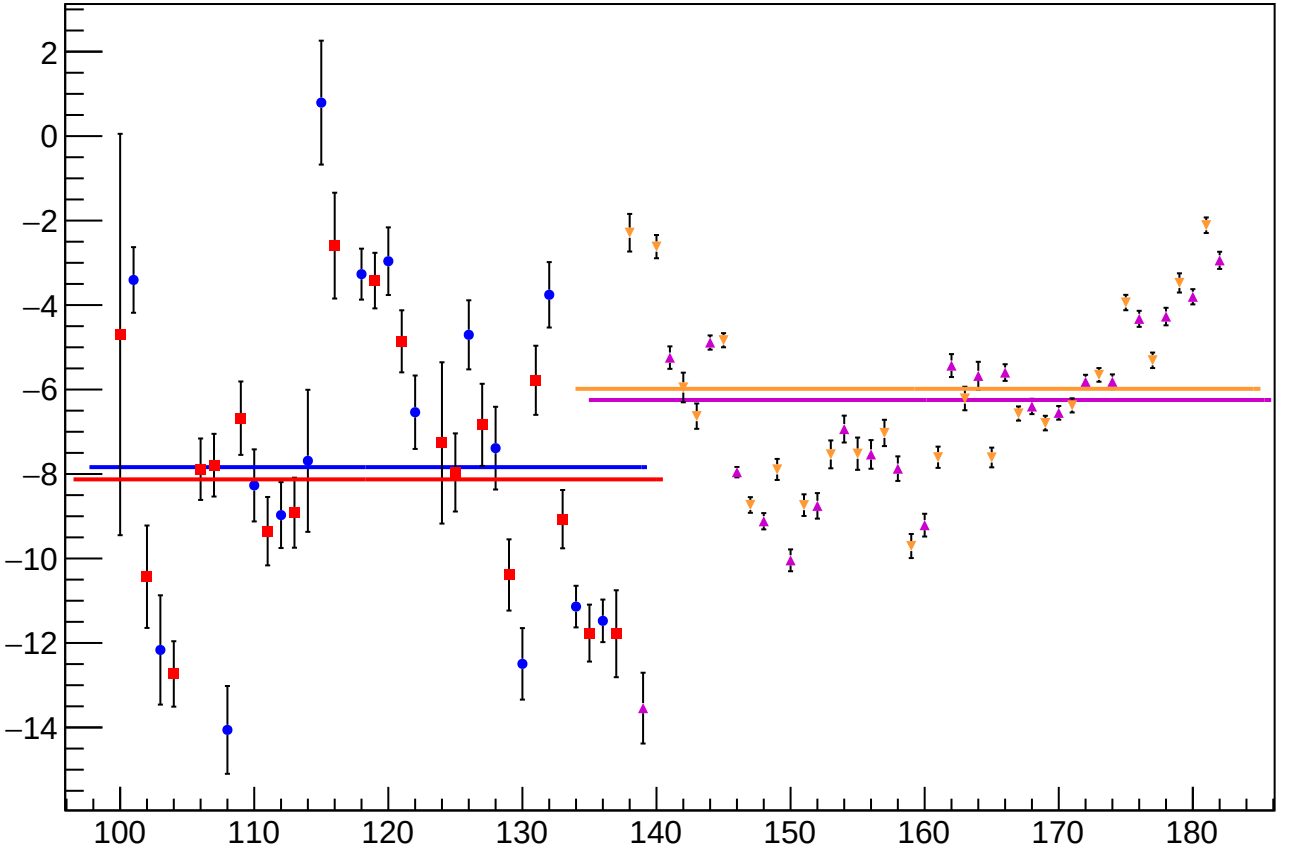
Out: 1.662+/-0.101 χ^2/NDF:3527.3/41

All: 1.782+/-0.071 χ^2/NDF: 6349.4/79


reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
Right In: -0.025+/-0.019 χ²/NDF: 512.5/15
Left Out: 0.278+/-0.005 χ²/NDF:646.9/22
Right Out: -0.156+/-0.020 χ²/NDF: 494.9/18
Left In: 0.288+/-0.005 χ²/NDF:900.1/21
Left: 0.283+/-0.003 χ²/NDF: 1549.1/44
Right: -0.086+/-0.014 χ²/NDF: 1029.5/34
In: 0.270+/-0.004 χ²/NDF:1670.3/37
Out: 0.256+/-0.005 χ²/NDF:1579.0/41
All: 0.263+/-0.003 χ²/NDF: 3254.3/79


reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−25
−30
−35
−40
−45
−50
−55
−60
100
110
120
130
140
150
160
170
180
Right In: -28.698+/-0.186 χ²/NDF: 487.3/15
Left Out: -29.291+/-0.059 χ²/NDF:5445.5/22
Right Out: -29.189+/-0.181 χ²/NDF: 557.3/18
Left In: -28.859+/-0.058 χ²/NDF:5172.5/21
Left: -29.069+/-0.041 χ²/NDF: 10645.2/44
Right: -28.950+/-0.130 χ²/NDF: 1048.2/34
In: -28.845+/-0.055 χ²/NDF:5660.5/37
Out: -29.281+/-0.057 χ²/NDF:6003.1/41
All: -29.058+/-0.039 χ²/NDF: 11694.2/79

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: -5.983+/-0.046 χ^2/NDF:1723.2/22

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -6.247+/-0.044 χ^2/NDF:1707.9/21

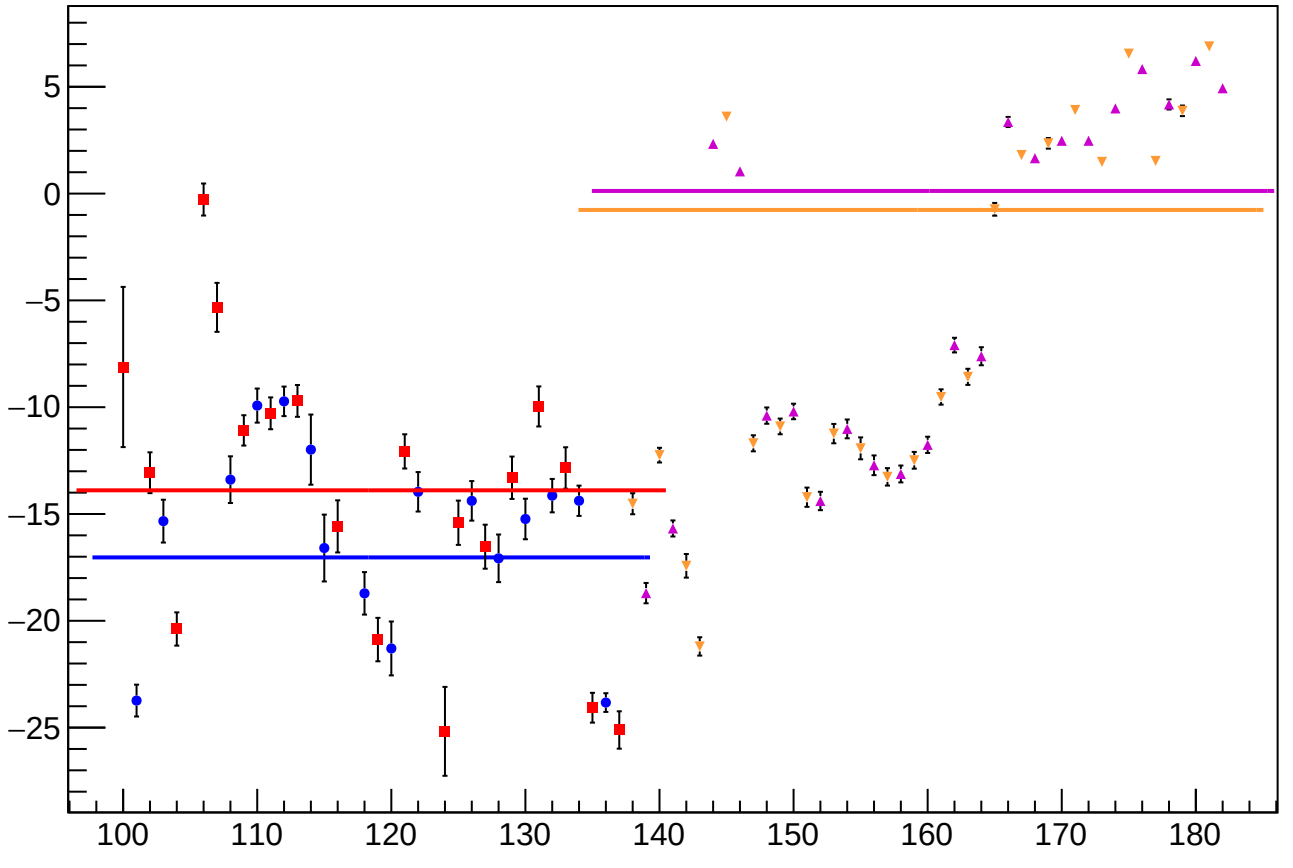
Left: -6.120+/-0.032 χ^2/NDF: 3448.2/44

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -6.326+/-0.043 χ^2/NDF:2154.3/37

Out: -6.095+/-0.045 χ^2/NDF:2033.2/41

All: -6.214+/-0.031 χ^2/NDF: 4201.3/79



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -0.766+/-0.060 χ^2/NDF:16467.5/22

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: 0.124+/-0.058 χ^2/NDF:13838.6/21

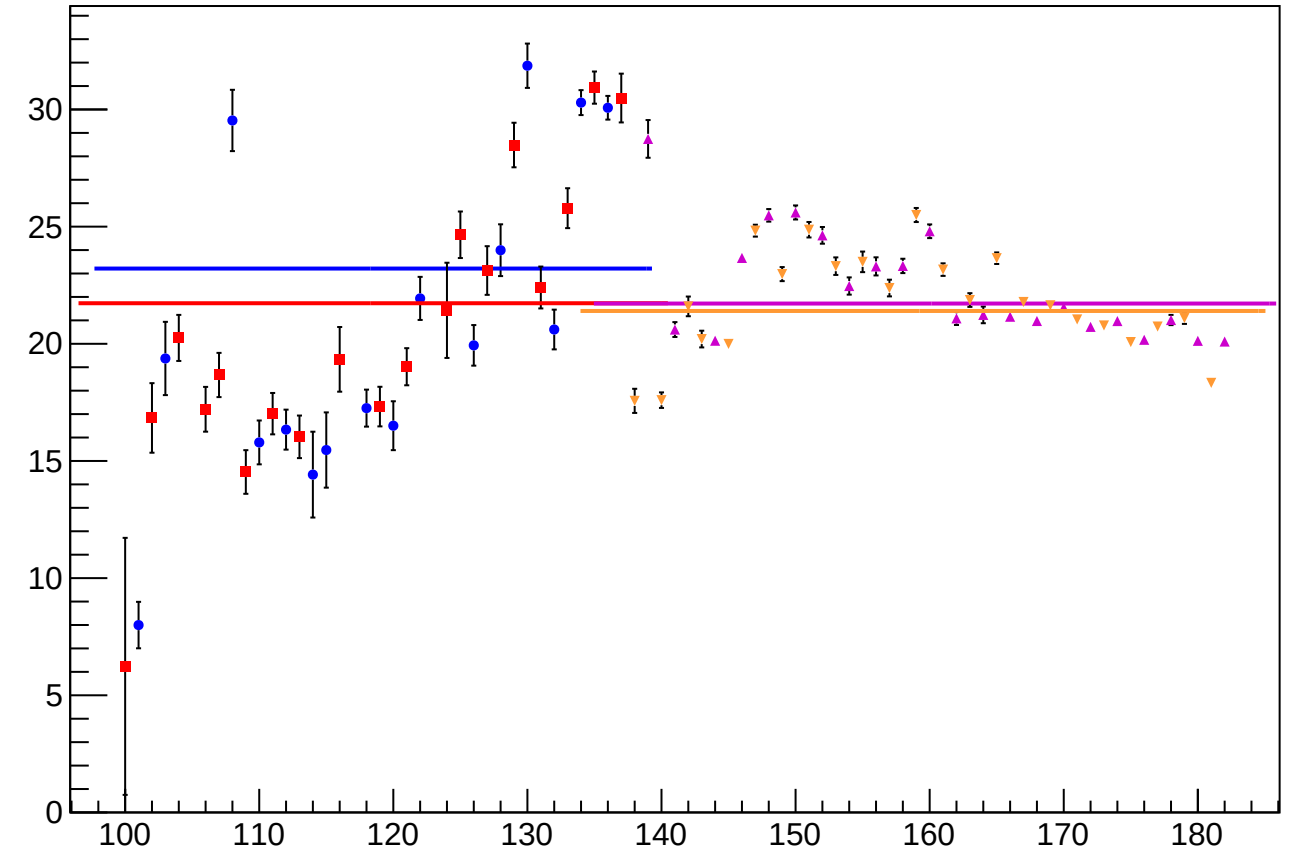
Left: -0.306+/-0.041 χ^2/NDF: 30421.3/44

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -1.083+/-0.056 χ^2/NDF:20682.1/37

Out: -1.747+/-0.057 χ^2/NDF:21123.1/41

All: -1.405+/-0.040 χ^2/NDF: 41874.6/79



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.401+/-0.052 χ^2/NDF:1272.6/22

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 21.718+/-0.050 χ^2/NDF:1172.4/21

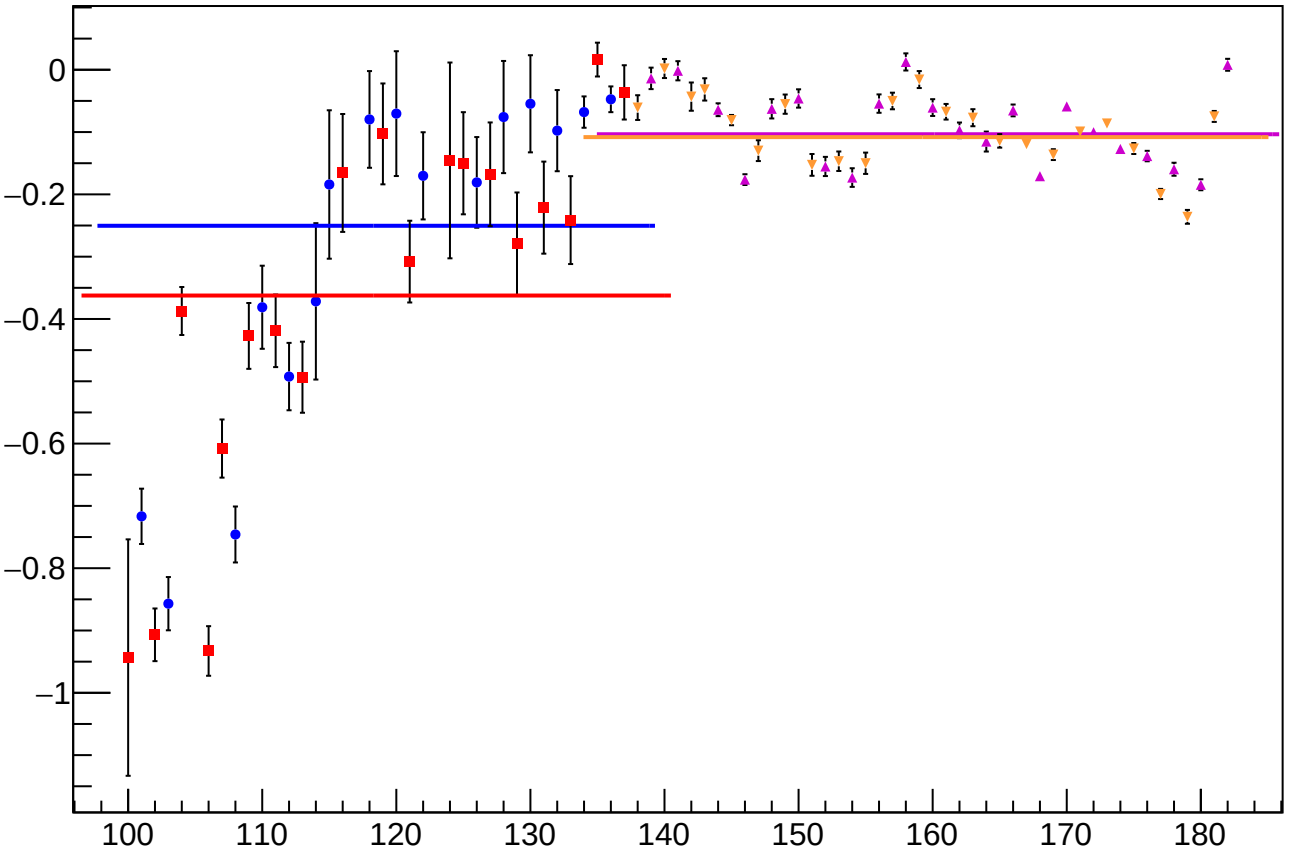
Left: 21.565+/-0.036 χ^2/NDF: 2464.5/44

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 21.793+/-0.049 χ^2/NDF:2225.1/37

Out: 21.418+/-0.050 χ^2/NDF:1832.9/41

All: 21.611+/-0.035 χ^2/NDF: 4086.7/79



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.108+/-0.002 χ^2/NDF:506.0/22

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.104+/-0.002 χ^2/NDF:701.2/21

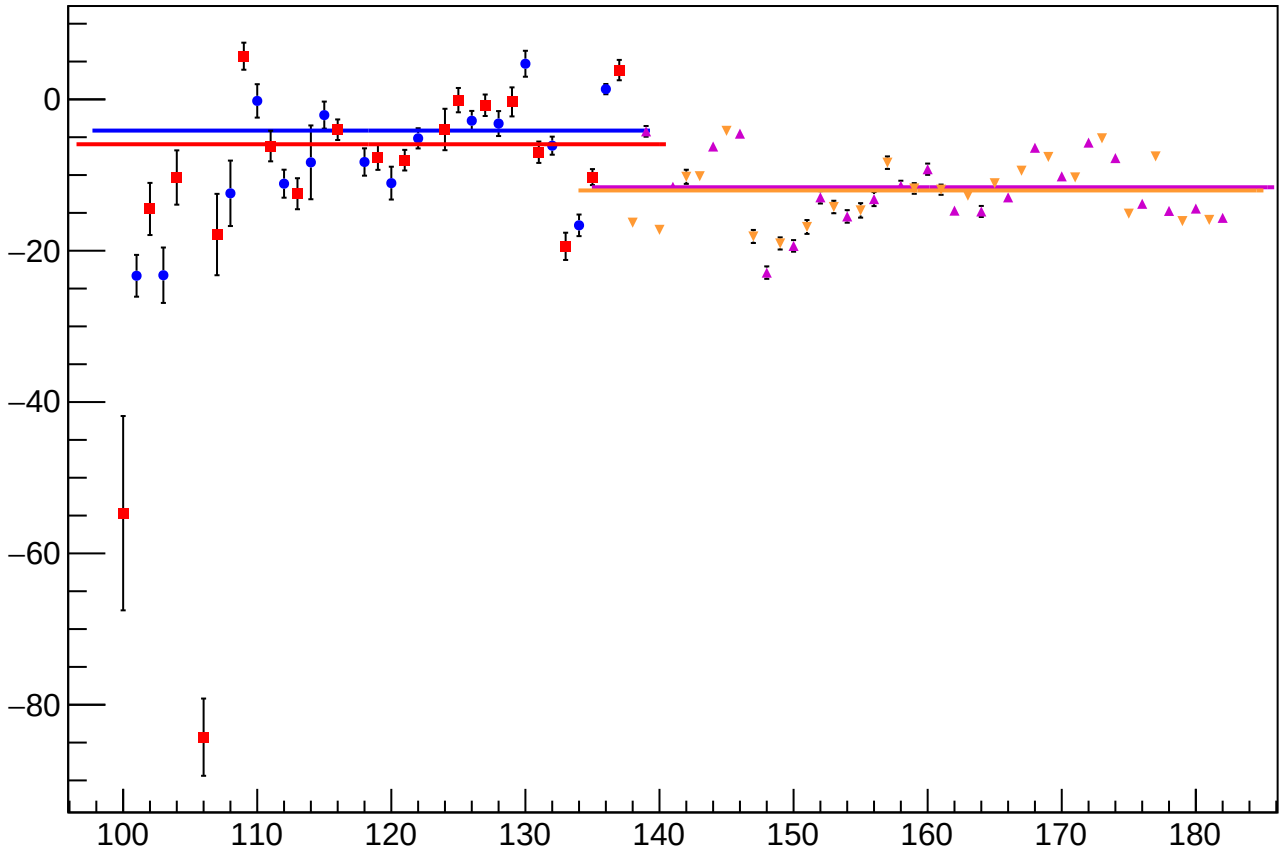
Left: -0.106+/-0.002 χ^2/NDF: 1209.3/44

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.109+/-0.002 χ^2/NDF:1487.8/37

Out: -0.117+/-0.002 χ^2/NDF:1620.0/41

All: -0.113+/-0.002 χ^2/NDF: 3114.1/79



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -12.034+/-0.098 χ^2/NDF:1914.5/22

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -11.614+/-0.096 χ^2/NDF:1928.6/21

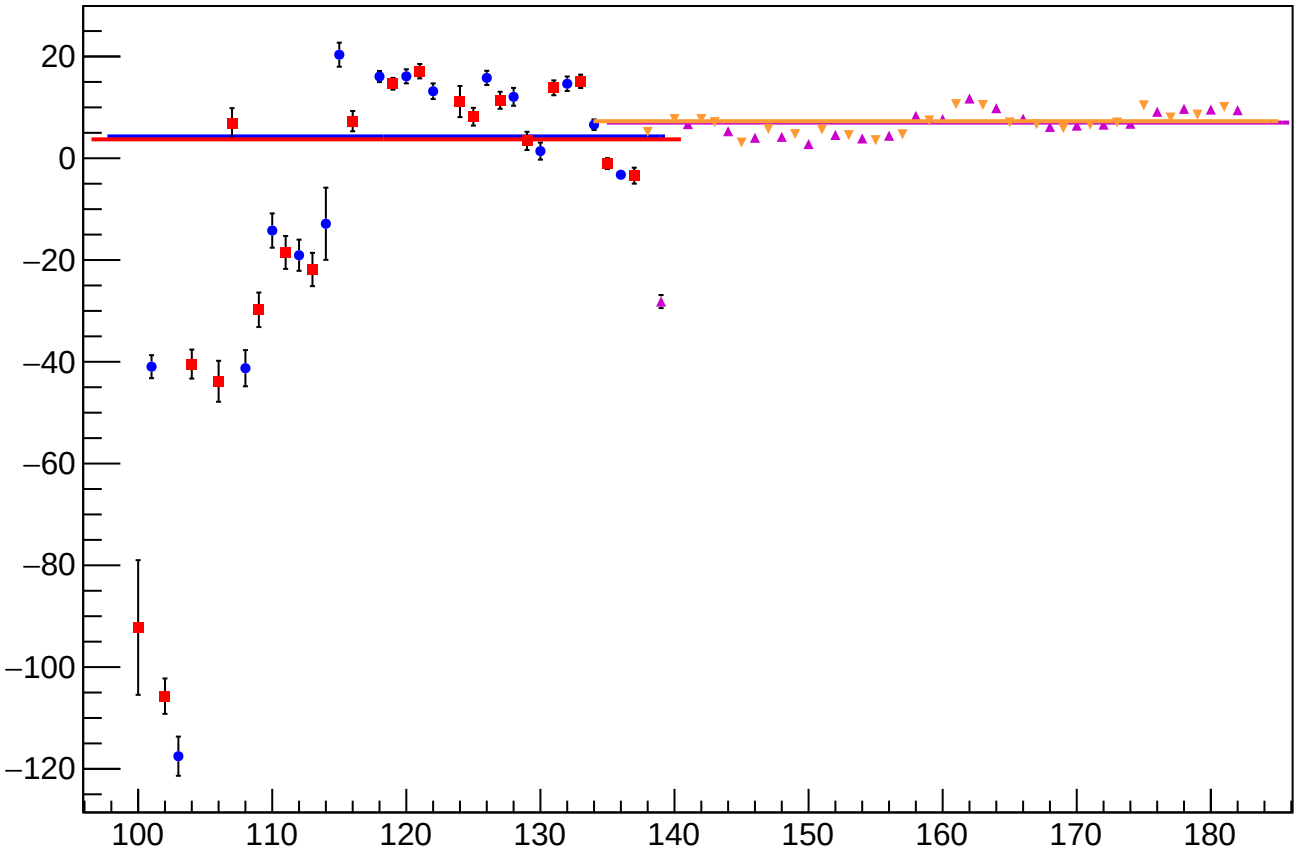
Left: -11.819+/-0.069 χ^2/NDF: 3852.4/44

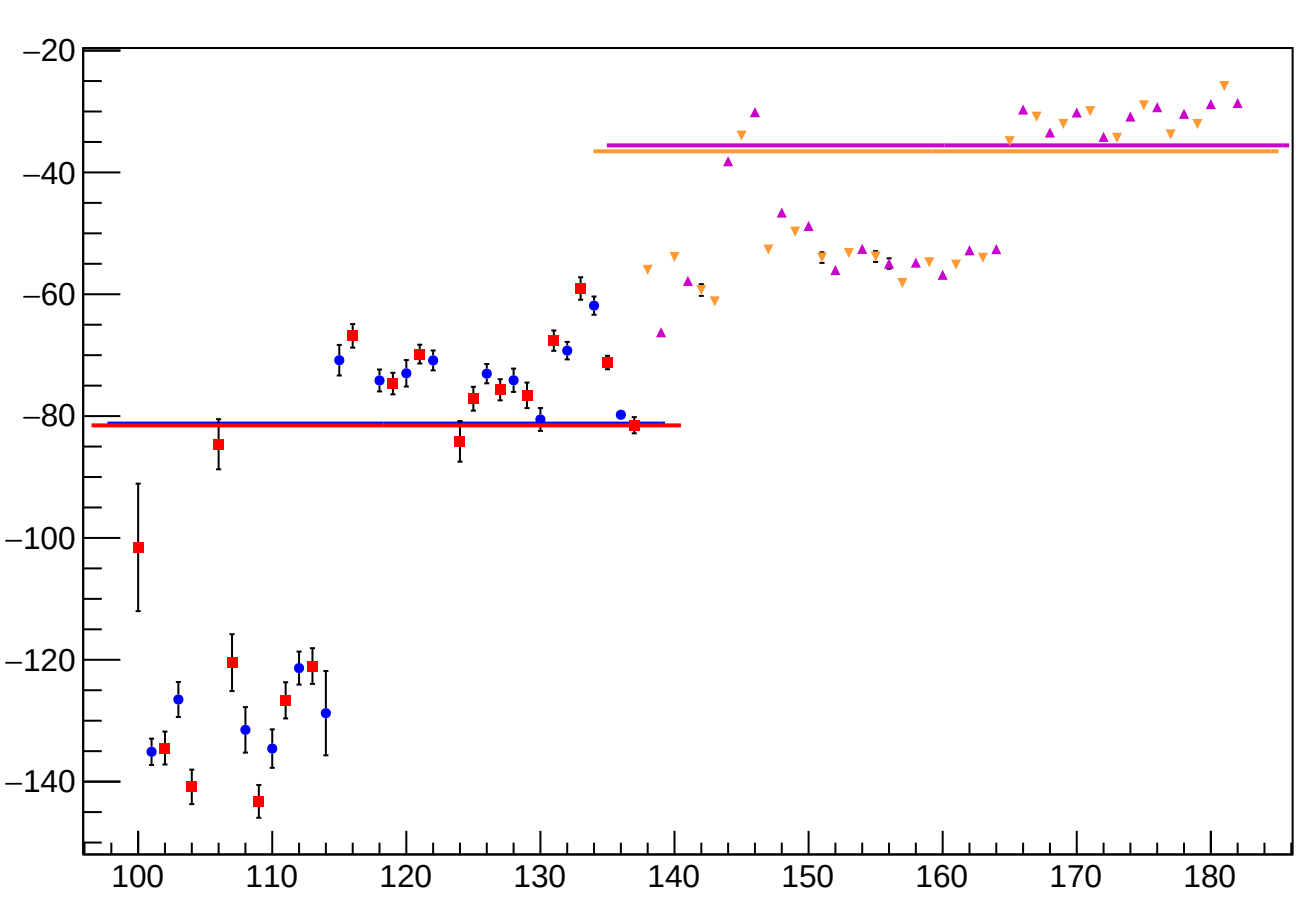
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -11.169+/-0.093 χ^2/NDF:2578.6/37

Out: -11.698+/-0.096 χ^2/NDF:2608.9/41

All: -11.426+/-0.067 χ^2/NDF: 5203.3/79


reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
Right In: 4.292+/-0.385 χ²/NDF: 2169.1/15
Left Out: 7.285+/-0.079 χ²/NDF:731.5/22
Right Out: 3.717+/-0.423 χ²/NDF: 2007.2/18
Left In: 7.011+/-0.077 χ²/NDF:1575.7/21
Left: 7.145+/-0.055 χ²/NDF: 2313.4/44
Right: 4.031+/-0.285 χ²/NDF: 4177.4/34
In: 6.907+/-0.075 χ²/NDF:3792.7/37
Out: 7.165+/-0.078 χ²/NDF:2807.6/41
All: 7.032+/-0.054 χ²/NDF: 6606.0/79



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -36.530+/-0.099 χ^2/NDF:12183.5/22

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -35.558+/-0.096 χ^2/NDF:11149.2/21

Left: -36.031+/-0.069 χ^2/NDF: 23382.4/44

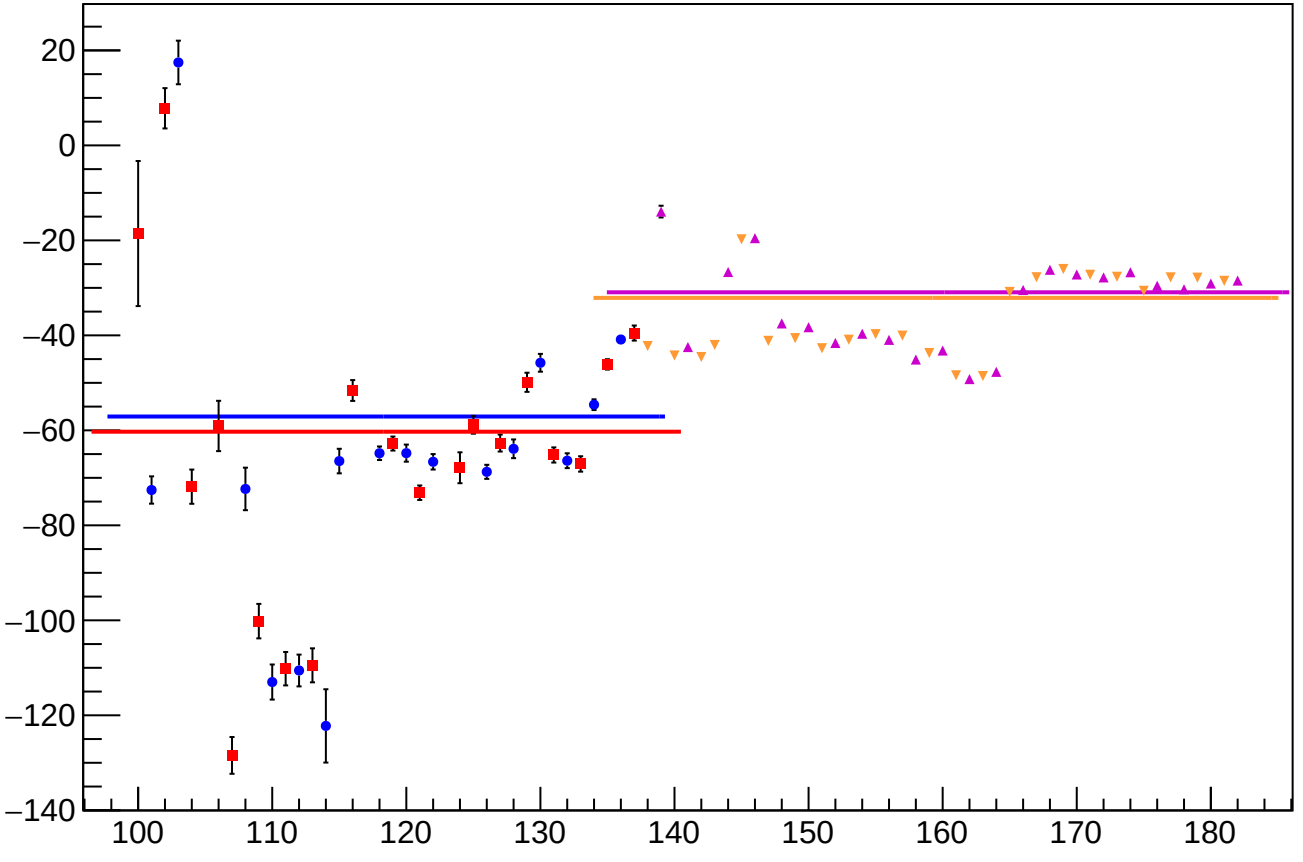
Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -37.866+/-0.094 χ^2/NDF:24519.5/37

Out: -38.503+/-0.097 χ^2/NDF:23560.9/41

All: -38.174+/-0.067 χ^2/NDF: 48102.8/79

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -32.109+/-0.088 χ^2/NDF:7951.6/22

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -30.932+/-0.085 χ^2/NDF:7442.4/21

Left: -31.505+/-0.061 χ^2/NDF: 15486.4/44

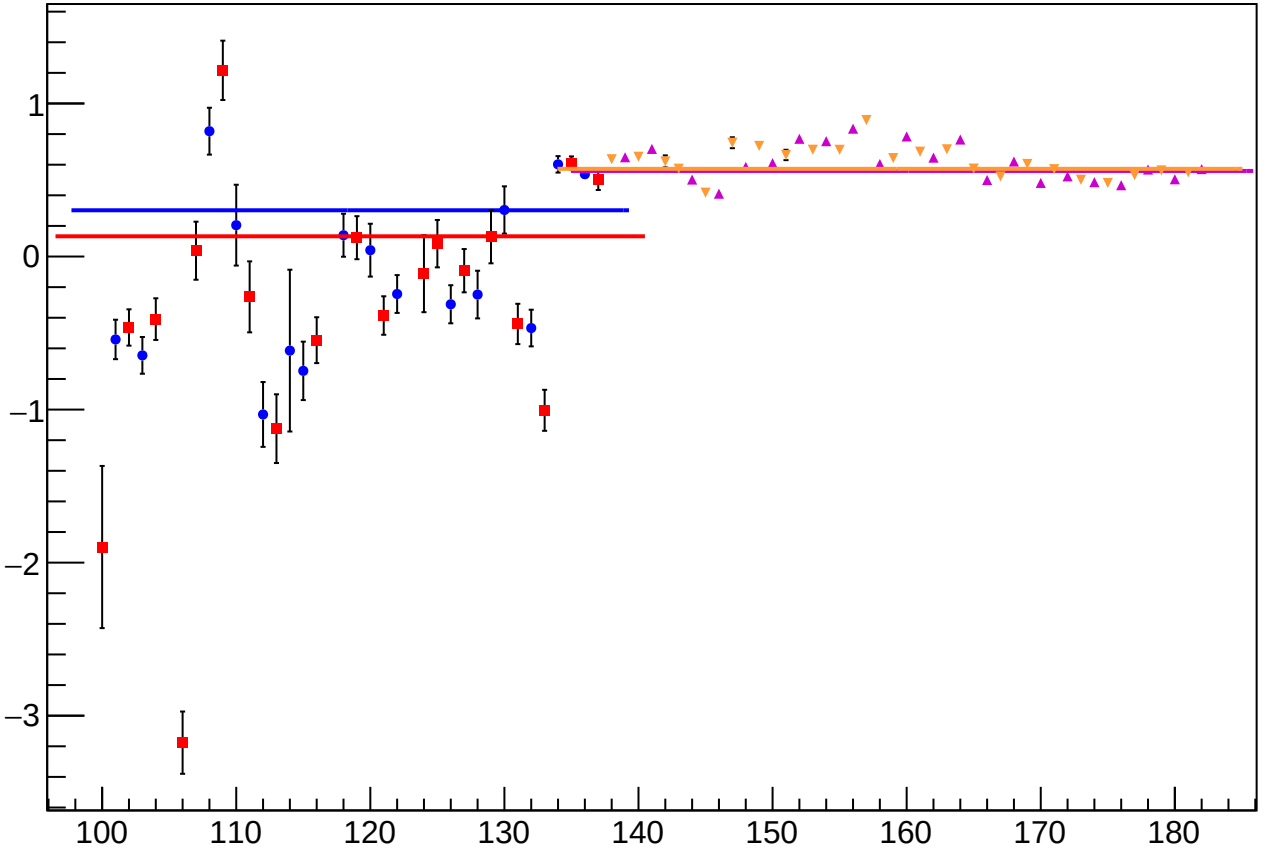
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -31.945+/-0.084 χ^2/NDF:12598.0/37

Out: -33.056+/-0.086 χ^2/NDF:13012.7/41

All: -32.485+/-0.060 χ^2/NDF: 25696.1/79

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: 0.573+/-0.004 χ^2/NDF:539.3/22

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.559+/-0.004 χ^2/NDF:670.1/21

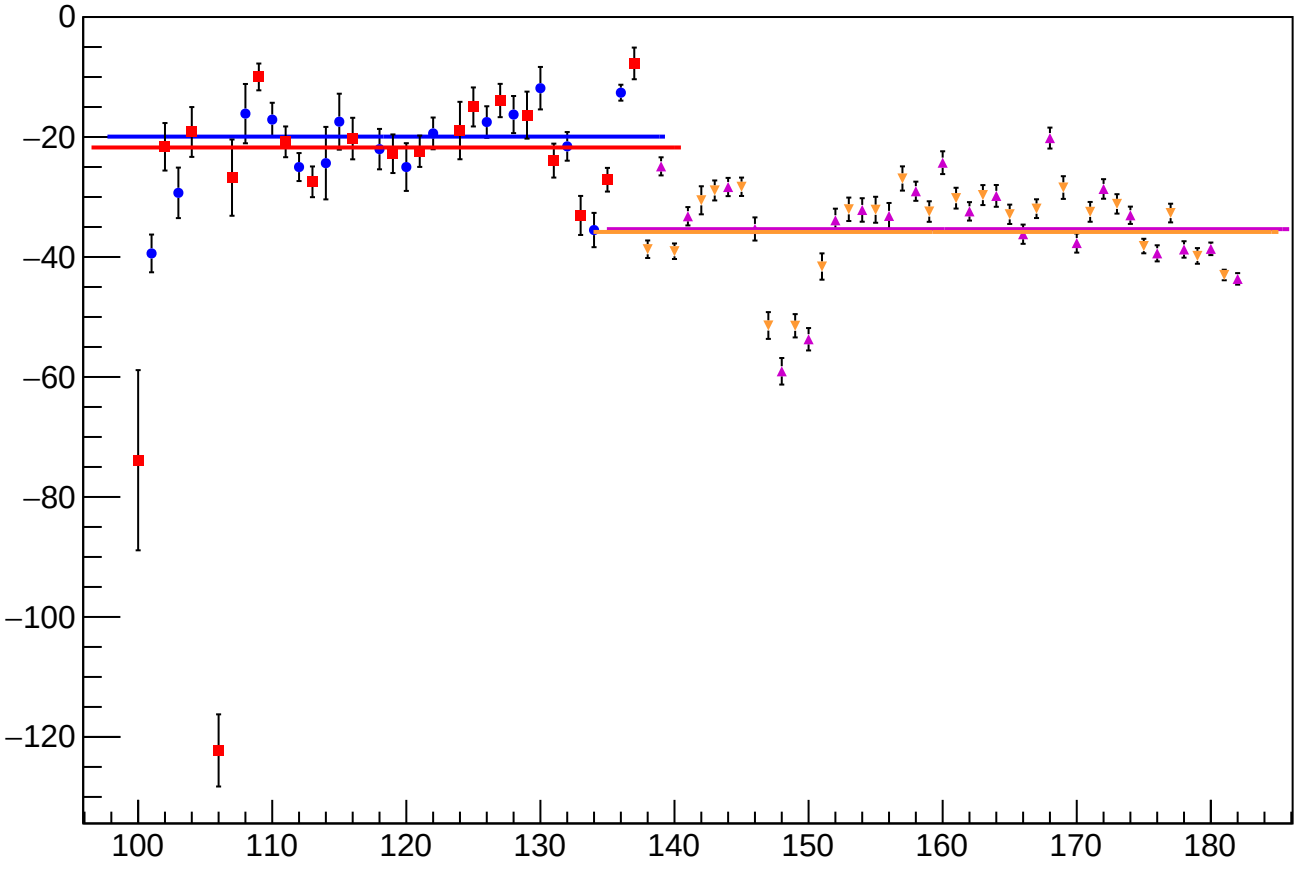
Left: 0.566+/-0.003 χ^2/NDF: 1215.8/44

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.552+/-0.004 χ^2/NDF:1166.9/37

Out: 0.564+/-0.004 χ^2/NDF:1482.5/41

All: 0.558+/-0.003 χ^2/NDF: 2653.8/79



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -35.826+/-0.329 χ^2/NDF:352.2/22

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -35.359+/-0.329 χ^2/NDF:546.3/21

Left: -35.593+/-0.232 χ^2/NDF: 899.6/44

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -32.535+/-0.297 χ^2/NDF:1069.5/37

Out: -33.363+/-0.299 χ^2/NDF:1061.7/41

All: -32.947+/-0.211 χ^2/NDF: 2135.1/79

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.239+/-0.254 χ^2/NDF:515.9/22

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -35.749+/-0.259 χ^2/NDF:1526.3/21

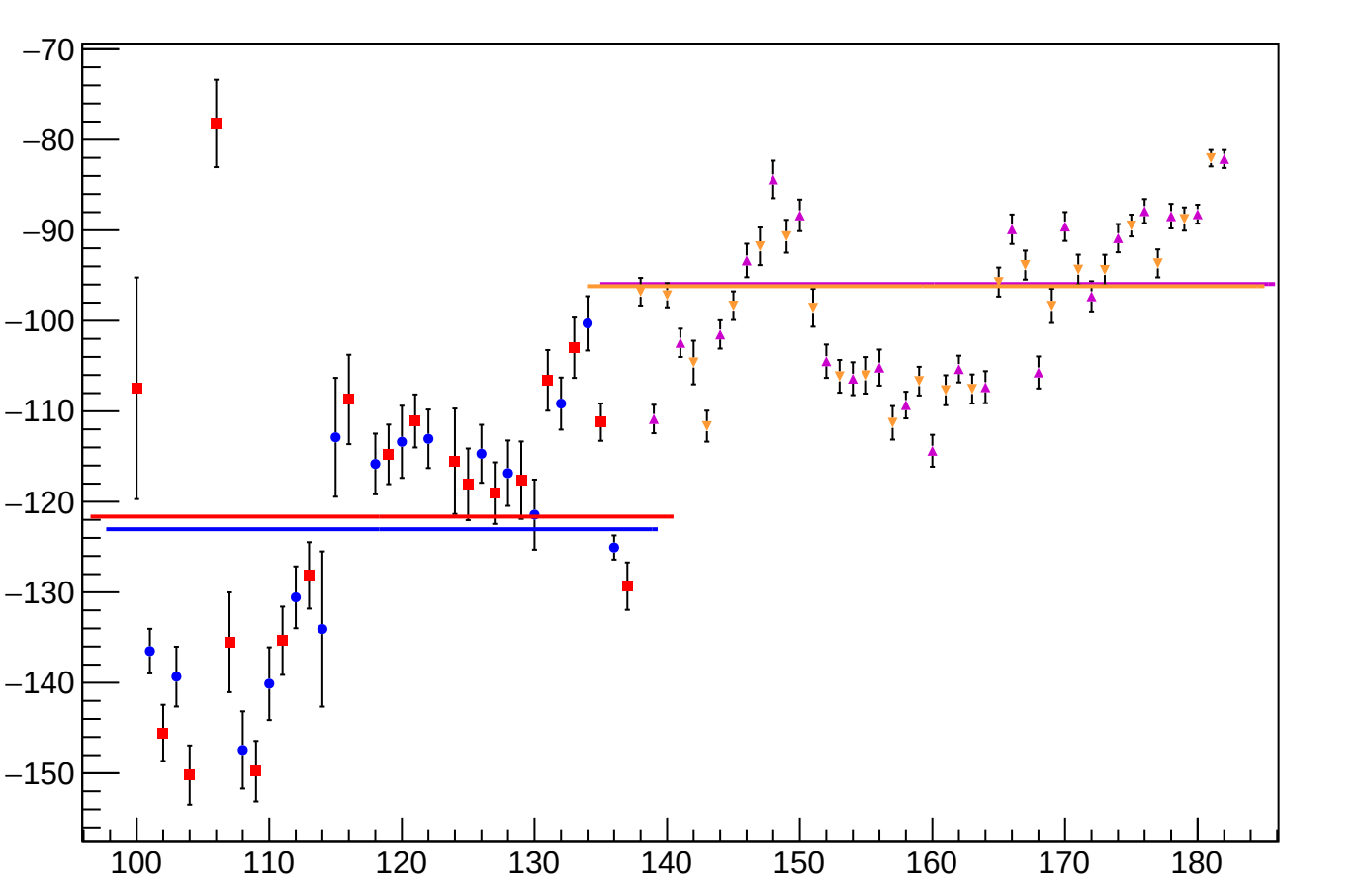
Left: -35.489+/-0.182 χ^2/NDF: 2044.2/44

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

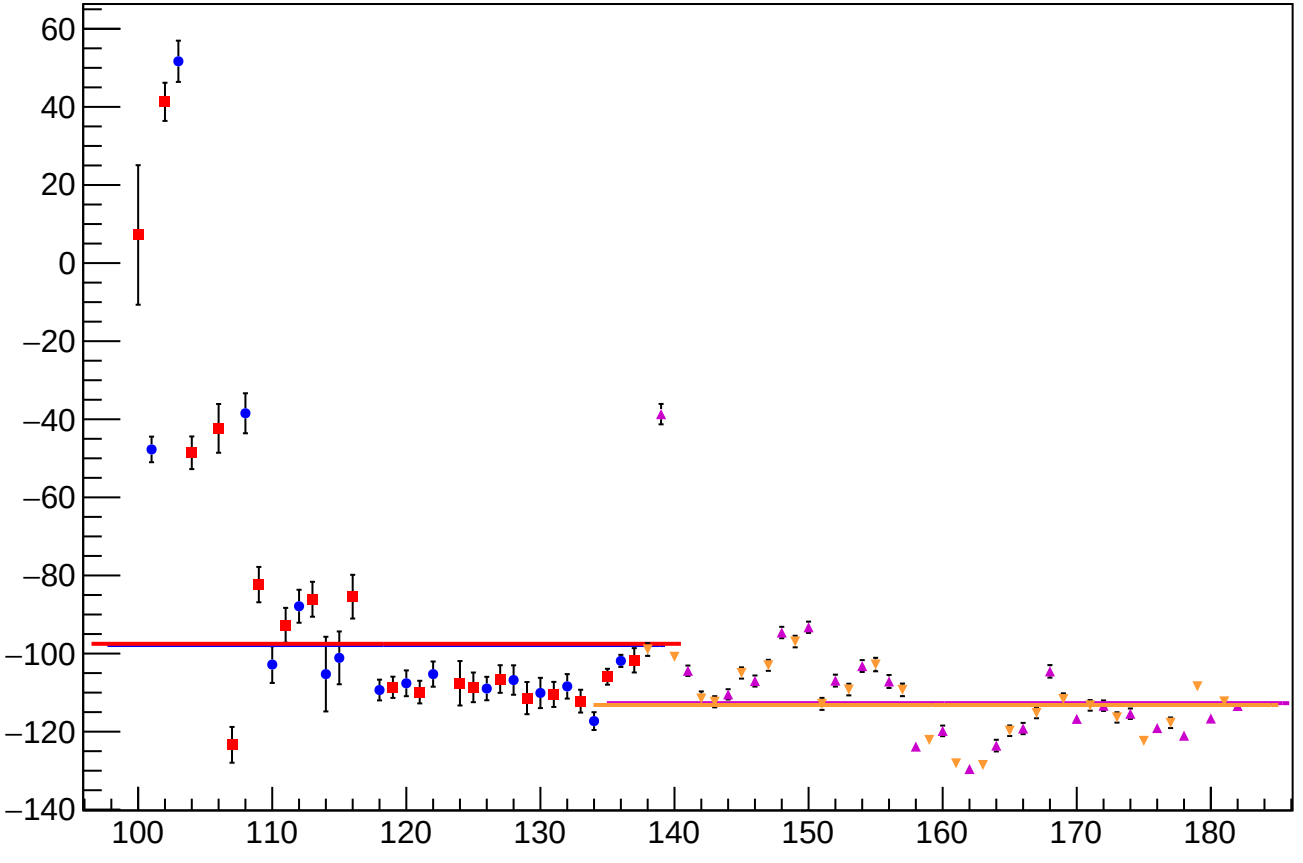
In: -37.705+/-0.243 χ^2/NDF:3786.0/37

Out: -37.050+/-0.241 χ^2/NDF:2668.7/41

All: -37.374+/-0.171 χ^2/NDF: 6458.4/79


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
170
180
Right In: -123.039+/-0.750 χ²/NDF: 226.8/15
Left Out: -96.184+/-0.327 χ²/NDF:687.1/22
Right Out: -121.646+/-0.801 χ²/NDF: 424.5/18
Left In: -95.949+/-0.326 χ²/NDF:907.8/21
Left: -96.066+/-0.231 χ²/NDF: 1595.2/44
Right: -122.388+/-0.548 χ²/NDF: 652.9/34
In: -100.263+/-0.299 χ²/NDF:2231.5/37
Out: -99.818+/-0.303 χ²/NDF:1977.4/41
All: -100.043+/-0.213 χ²/NDF: 4210.0/79

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: -113.168+/-0.286 χ^2/NDF:888.8/22

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -112.700+/-0.289 χ^2/NDF:1763.0/21

Left: -112.936+/-0.203 χ^2/NDF: 2653.2/44

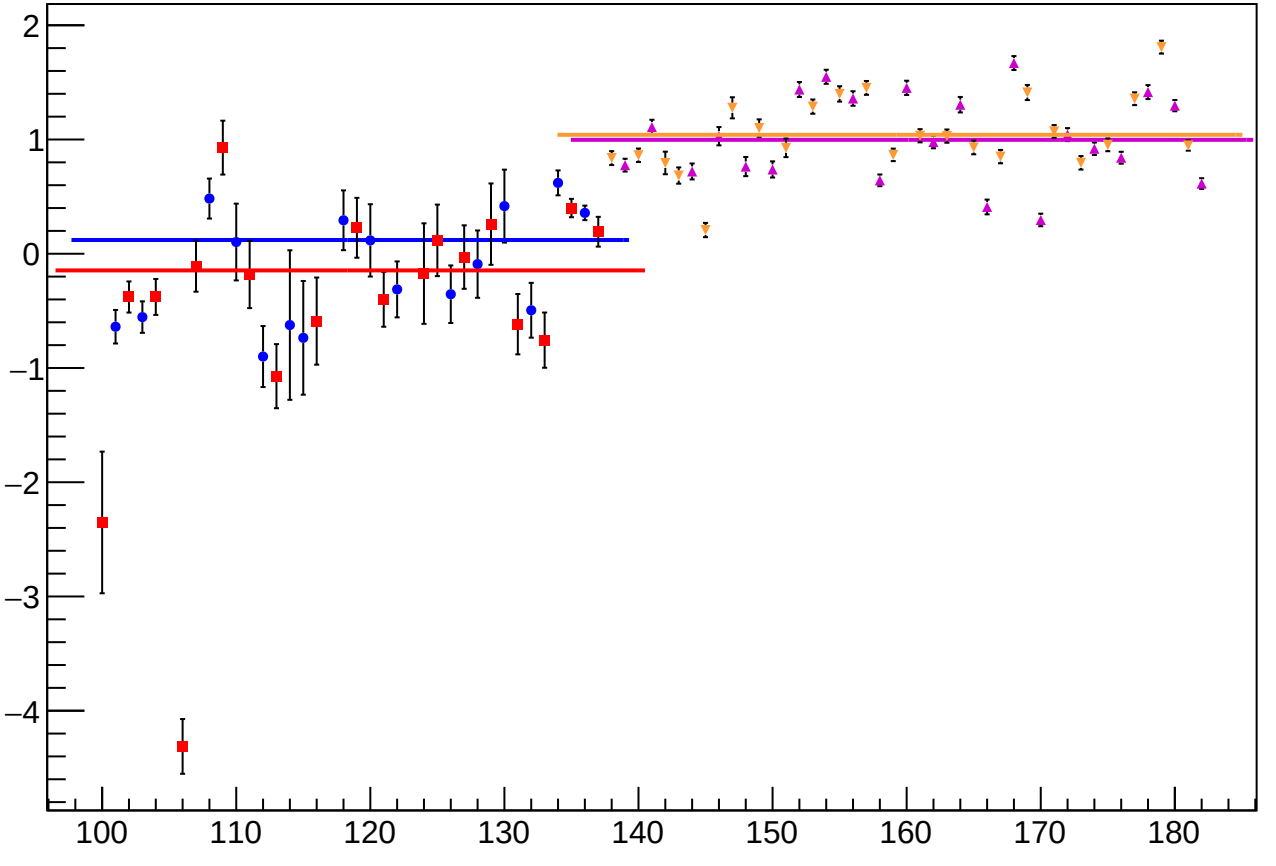
Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -110.959+/-0.271 χ^2/NDF:3405.0/37

Out: -111.551+/-0.271 χ^2/NDF:2435.1/41

All: -111.256+/-0.192 χ^2/NDF: 5842.5/79

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 1.041+/-0.013 χ^2/NDF:622.6/22

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 0.997+/-0.013 χ^2/NDF:863.2/21

Left: 1.019+/-0.009 χ^2/NDF: 1491.7/44

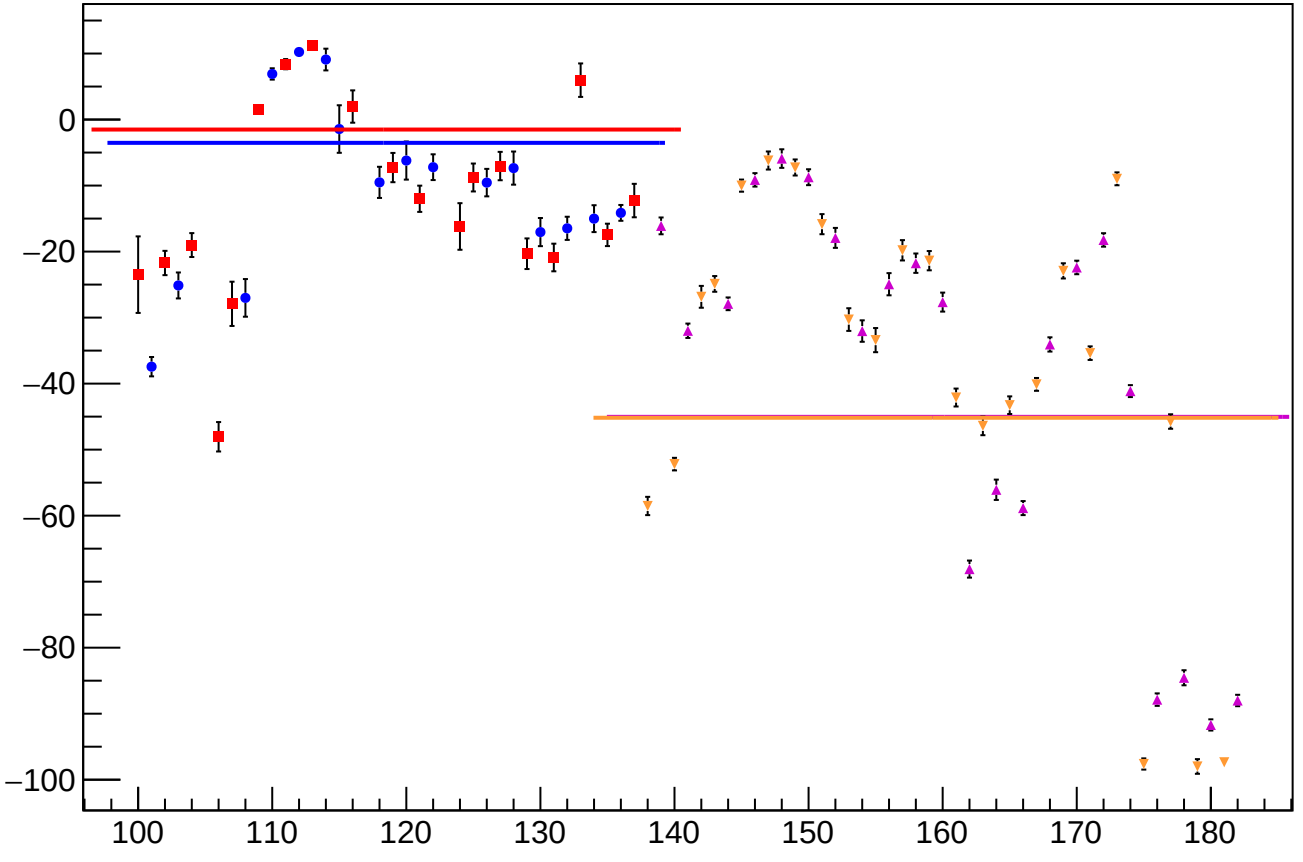
Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.921+/-0.012 χ^2/NDF:1400.2/37

Out: 0.951+/-0.012 χ^2/NDF:1690.1/41

All: 0.936+/-0.009 χ^2/NDF: 3093.4/79

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -45.171+/-0.241 χ^2/NDF:17610.1/22

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -45.034+/-0.240 χ^2/NDF:15407.0/21

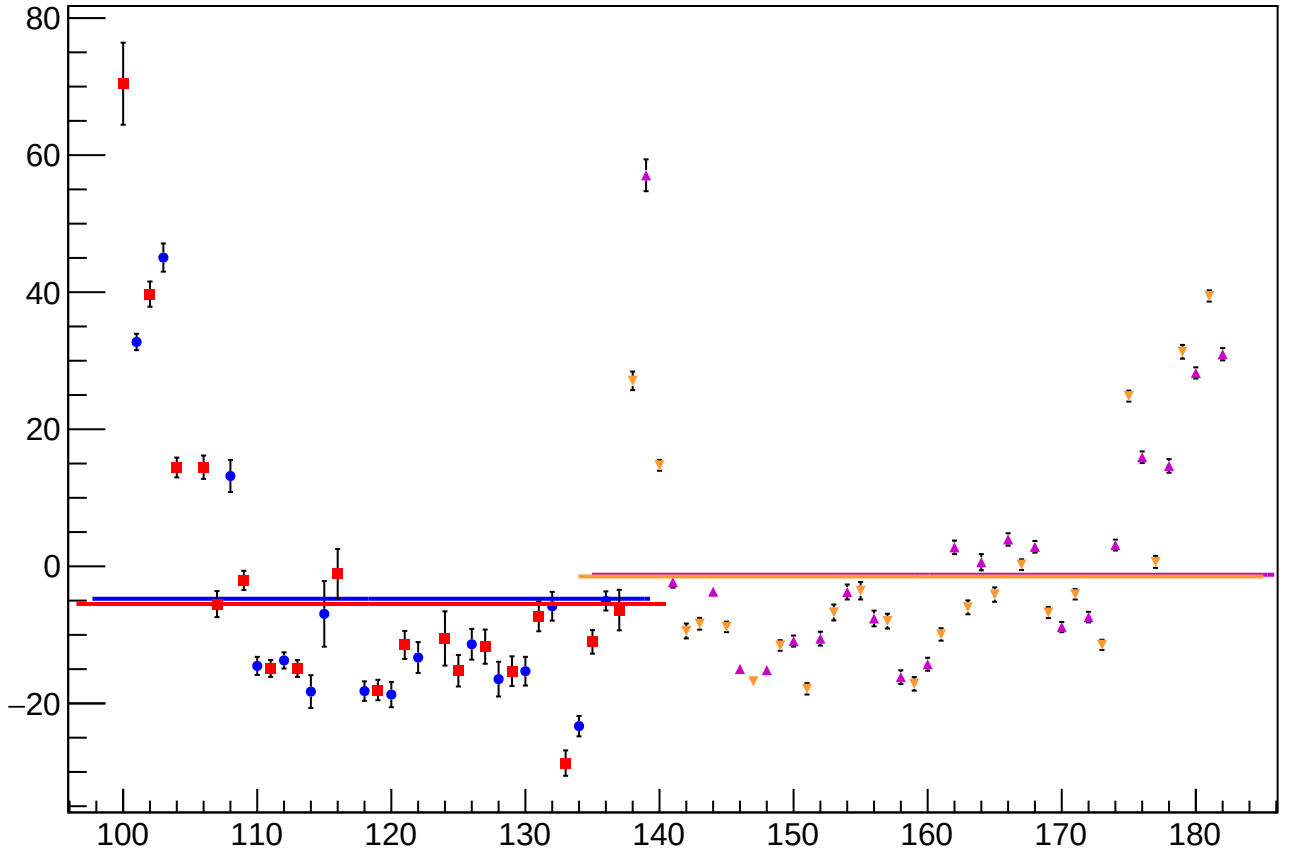
Left: -45.103+/-0.170 χ^2/NDF: 33017.2/44

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -33.033+/-0.203 χ^2/NDF:25563.6/37

Out: -30.499+/-0.196 χ^2/NDF:30182.5/41

All: -31.725+/-0.141 χ^2/NDF: 55826.8/79



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -1.475+/-0.182 χ^2/NDF:7519.4/22

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -1.225+/-0.184 χ^2/NDF:5784.8/21

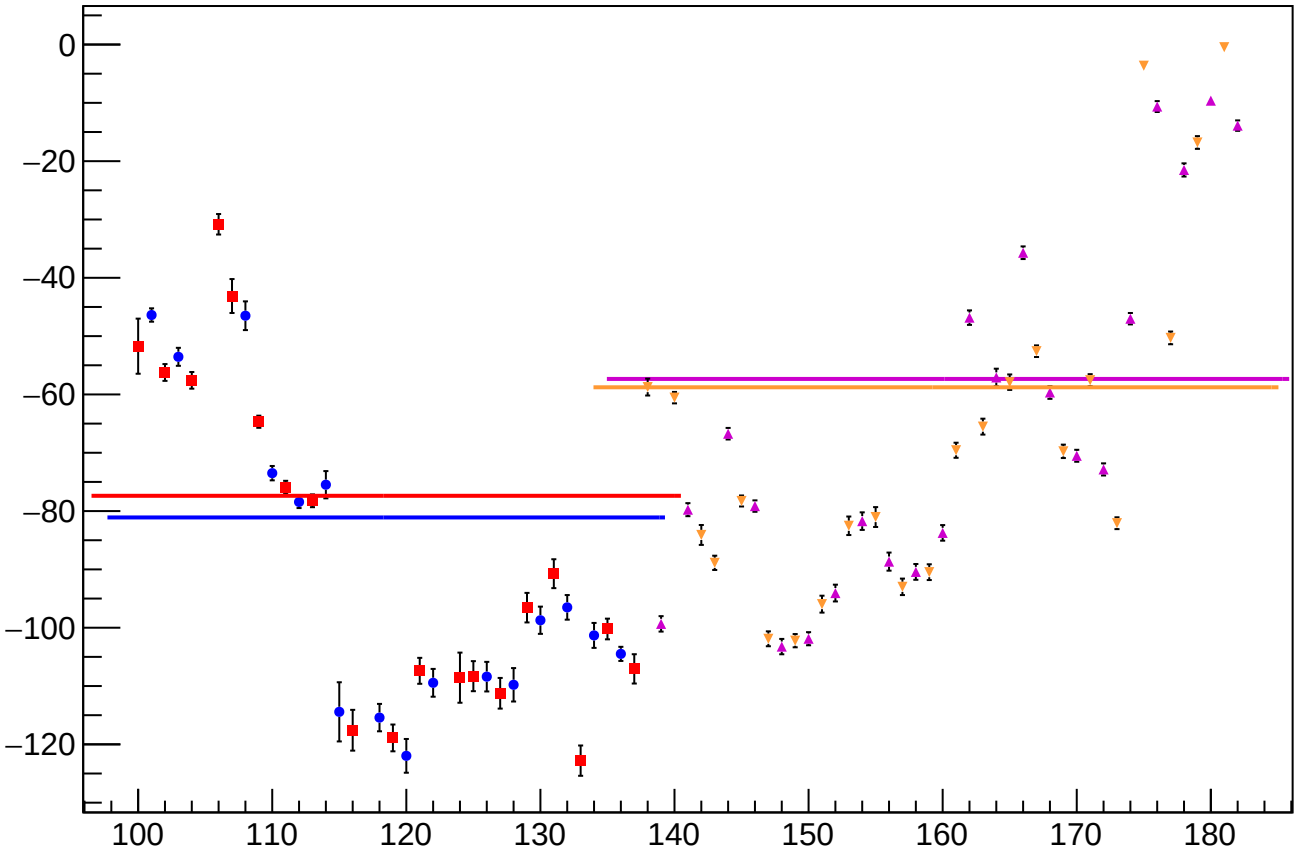
Left: -1.351+/-0.130 χ^2/NDF: 13305.1/44

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -1.767+/-0.169 χ^2/NDF:7988.8/37

Out: -2.107+/-0.167 χ^2/NDF:9104.2/41

All: -1.939+/-0.119 χ^2/NDF: 17095.0/79



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -58.774+/-0.240 χ^2/NDF:18162.2/22

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -57.341+/-0.239 χ^2/NDF:17113.2/21

Left: -58.055+/-0.169 χ^2/NDF: 35293.3/44

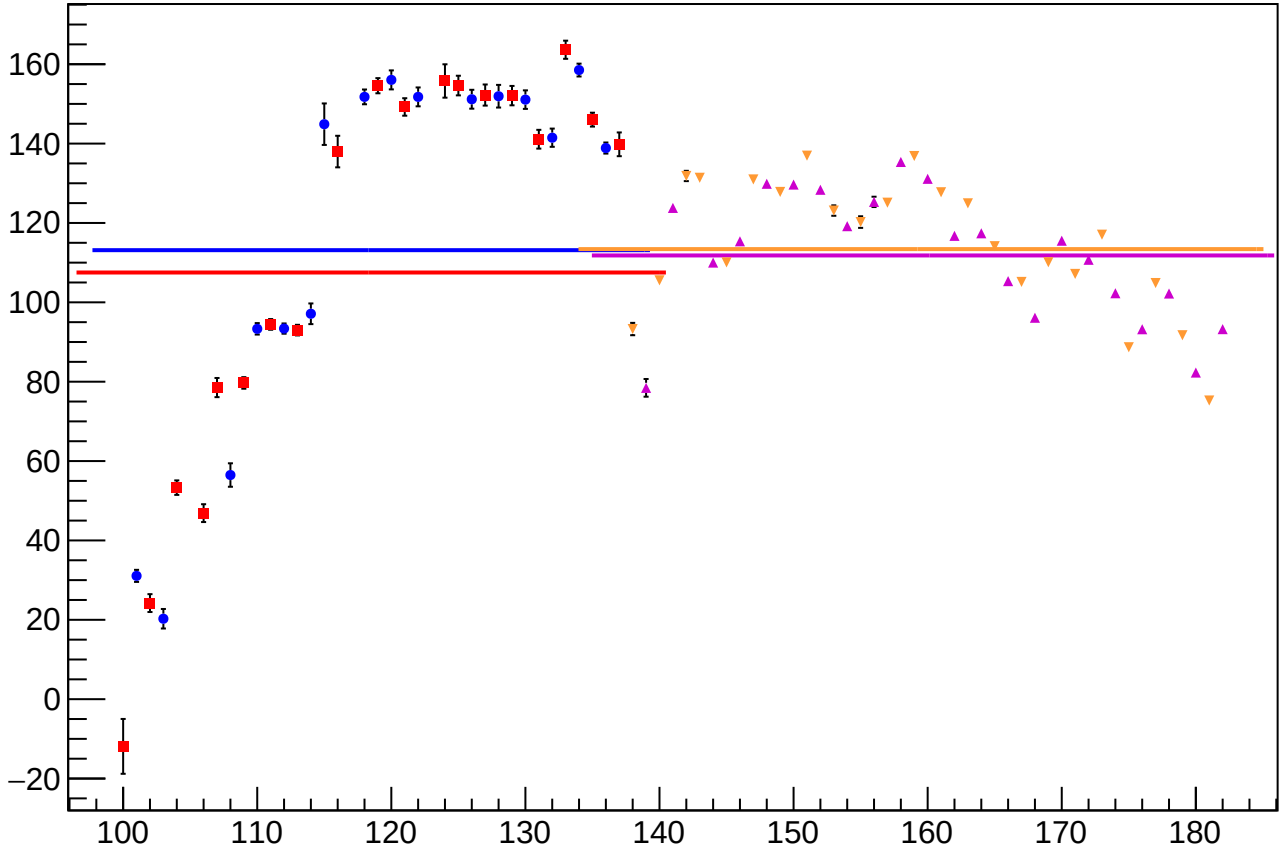
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -62.783+/-0.210 χ^2/NDF:22246.2/37

Out: -63.401+/-0.208 χ^2/NDF:22788.6/41

All: -63.095+/-0.148 χ^2/NDF: 45039.2/79

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: 113.411+/-0.207 χ^2/NDF:6357.0/22

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 111.813+/-0.208 χ^2/NDF:4884.0/21

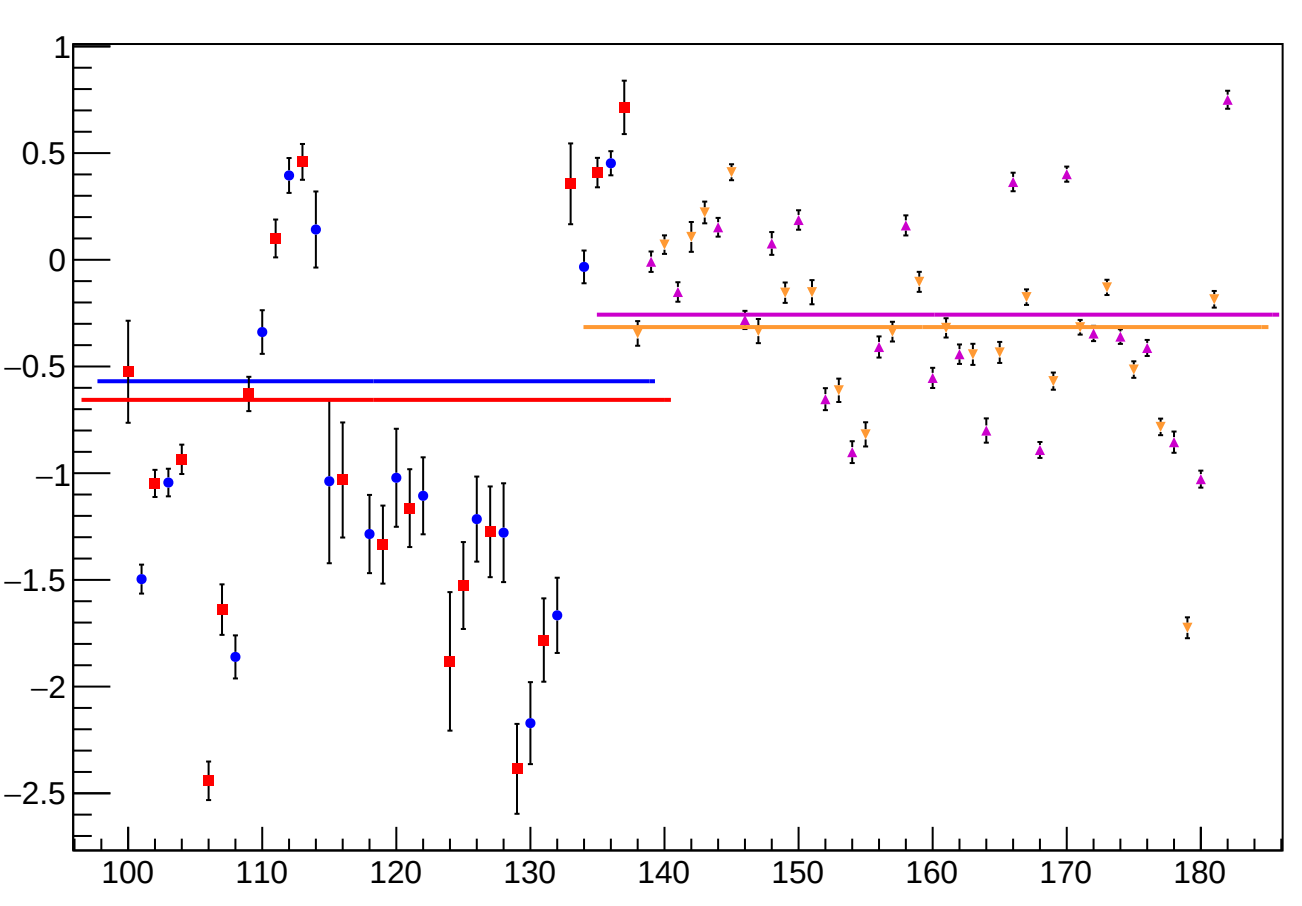
Left: 112.616+/-0.146 χ^2/NDF: 11270.7/44

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 112.016+/-0.191 χ^2/NDF:13094.3/37

Out: 112.487+/-0.190 χ^2/NDF:14028.6/41

All: 112.253+/-0.135 χ^2/NDF: 27126.0/79



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.315+/-0.009 χ^2/NDF:1857.6/22

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.257+/-0.009 χ^2/NDF:2663.7/21

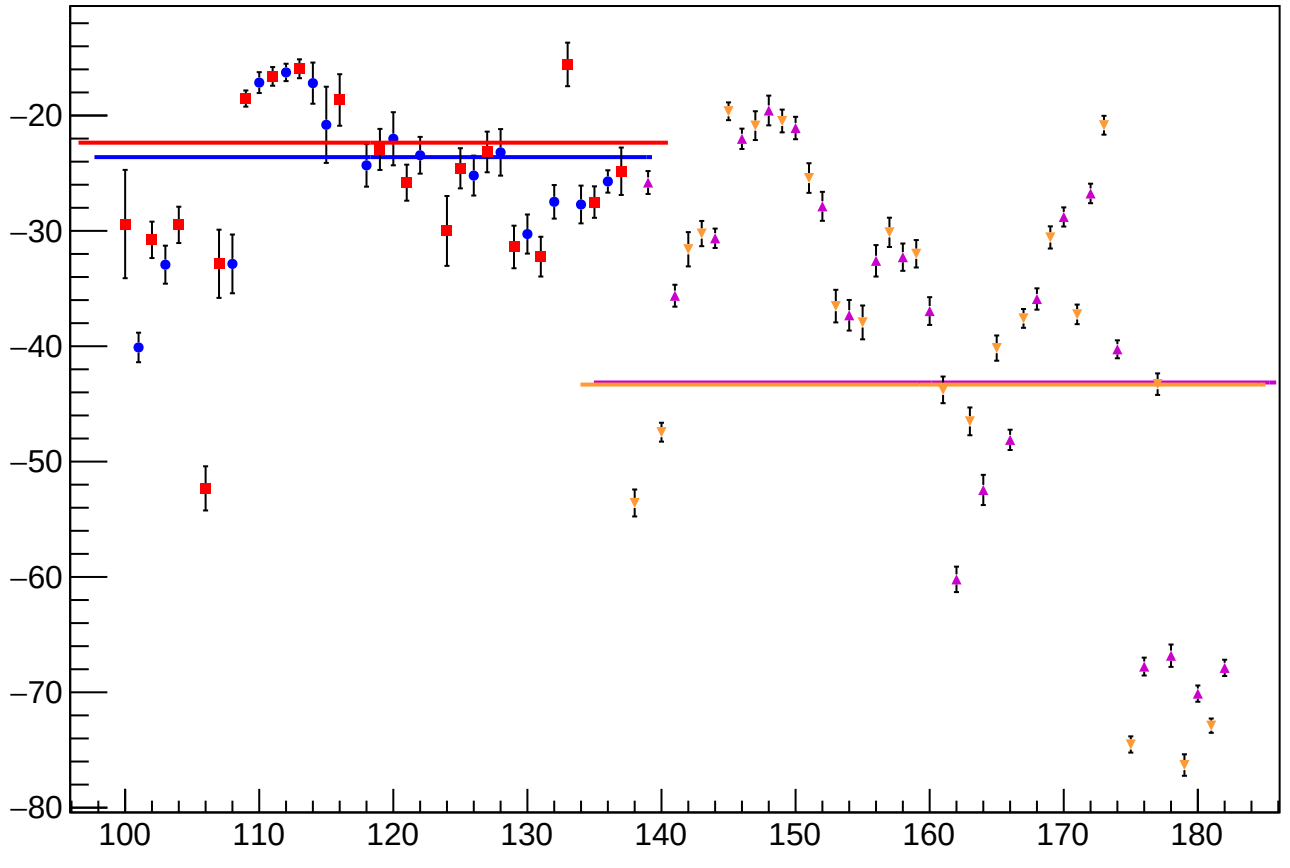
Left: -0.286+/-0.007 χ^2/NDF: 4540.9/44

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.293+/-0.009 χ^2/NDF:3890.7/37

Out: -0.356+/-0.009 χ^2/NDF:3333.8/41

All: -0.324+/-0.006 χ^2/NDF: 7251.1/79



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -43.323+/-0.202 χ^2/NDF:9087.9/22

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -43.143+/-0.201 χ^2/NDF:7721.6/21

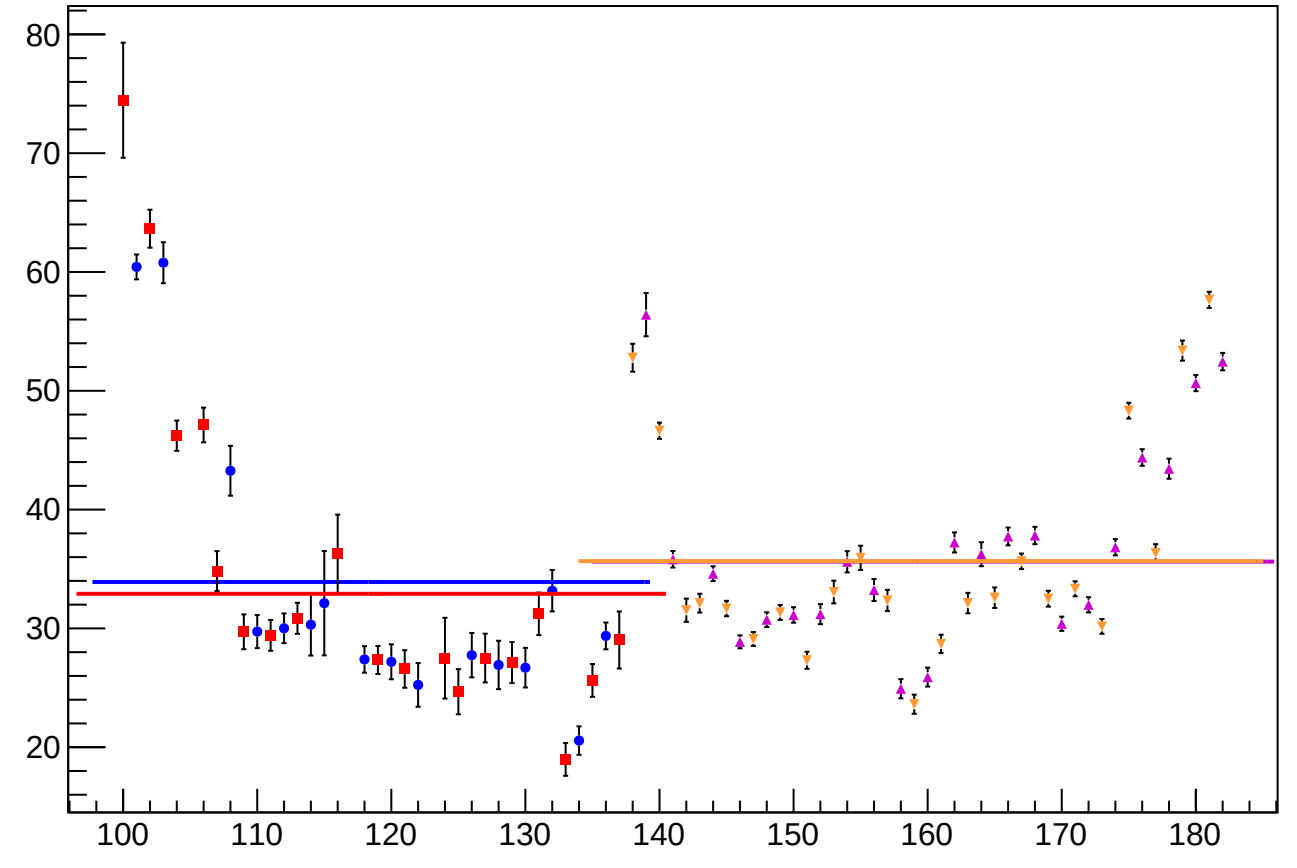
Left: -43.233+/-0.143 χ^2/NDF: 16809.9/44

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -38.262+/-0.174 χ^2/NDF:10488.0/37

Out: -37.382+/-0.171 χ^2/NDF:12683.3/41

All: -37.815+/-0.122 χ^2/NDF: 23184.3/79



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 35.661+/-0.155 χ^2/NDF:3184.7/22

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 35.623+/-0.156 χ^2/NDF:2149.6/21

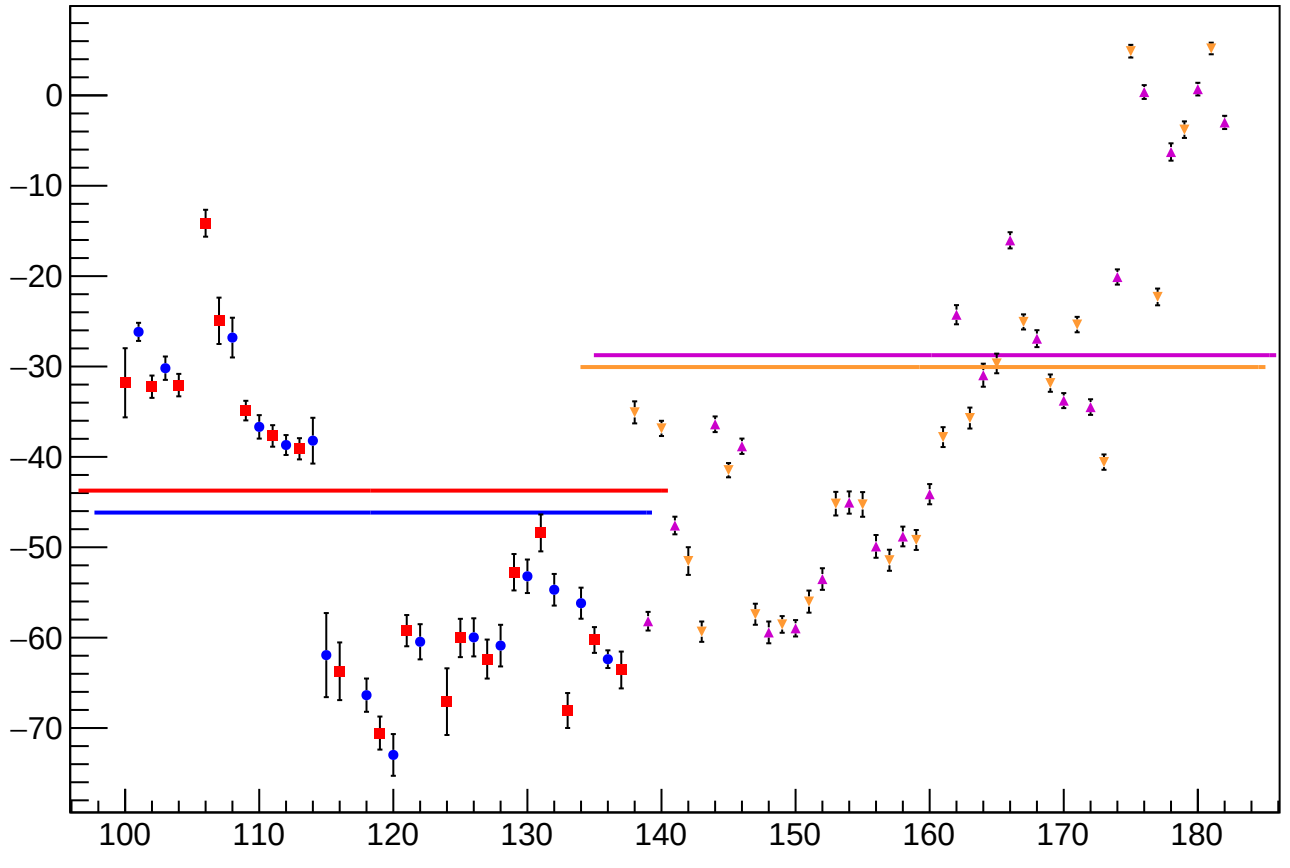
Left: 35.642+/-0.110 χ^2/NDF: 5334.3/44

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 35.370+/-0.144 χ^2/NDF:3351.8/37

Out: 35.257+/-0.143 χ^2/NDF:4106.1/41

All: 35.313+/-0.101 χ^2/NDF: 7458.2/79



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -30.060+/-0.201 χ^2/NDF:10683.3/22

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -28.747+/-0.200 χ^2/NDF:9990.7/21

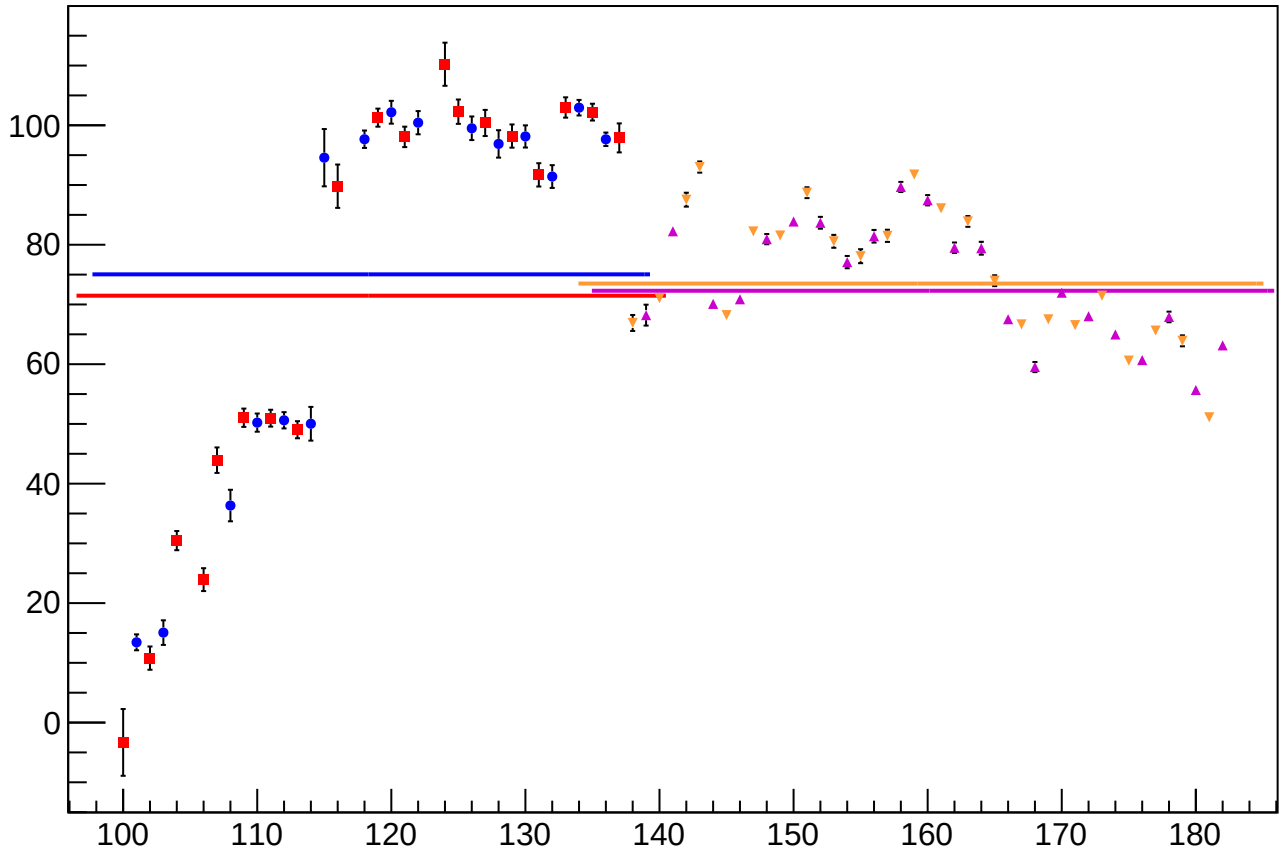
Left: -29.398+/-0.142 χ^2/NDF: 20695.4/44

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -32.372+/-0.178 χ^2/NDF:13060.3/37

Out: -33.079+/-0.178 χ^2/NDF:13364.1/41

All: -32.726+/-0.126 χ^2/NDF: 26432.4/79



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 73.501+/-0.174 χ^2/NDF:3906.9/22

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 72.295+/-0.175 χ^2/NDF:2912.5/21

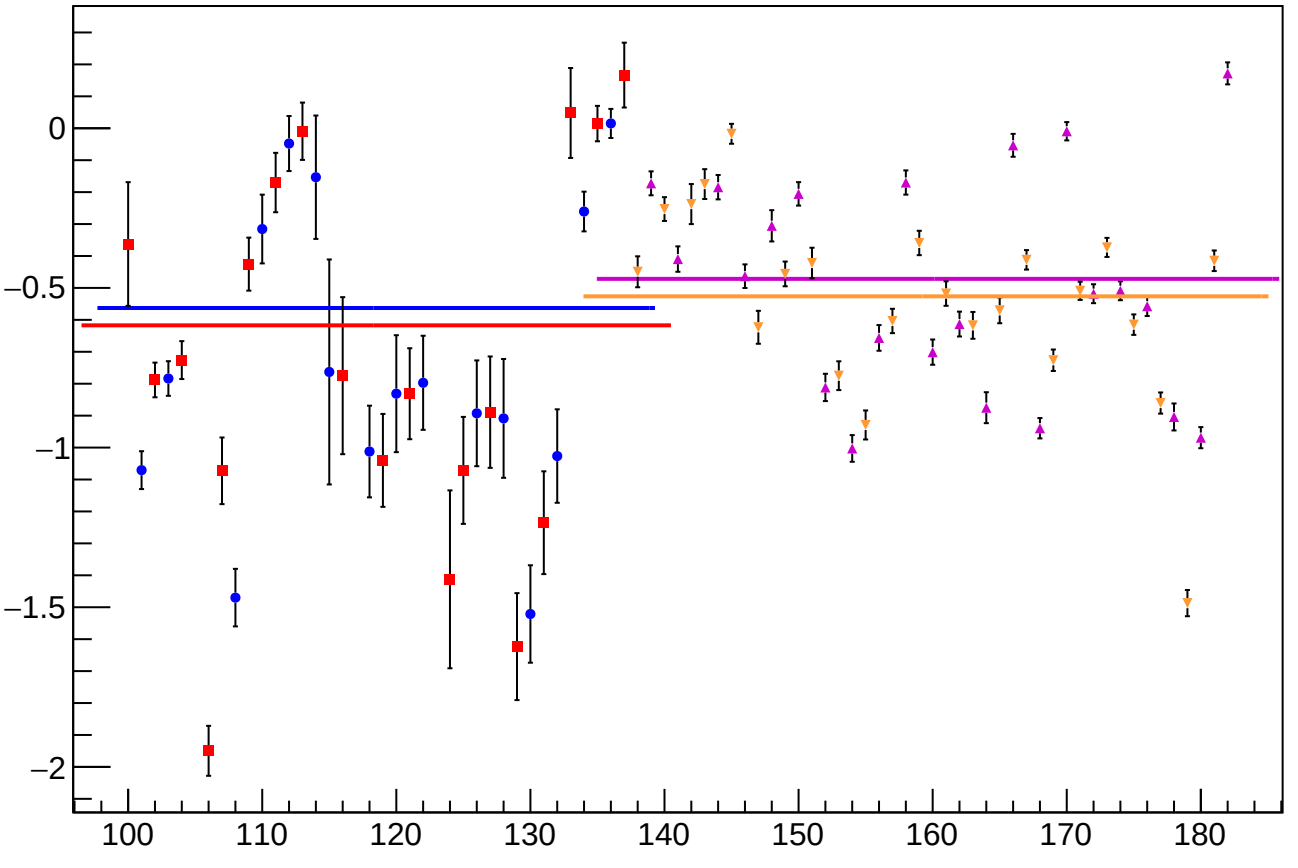
Left: 72.900+/-0.123 χ^2/NDF: 6843.2/44

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 72.689+/-0.162 χ^2/NDF:8776.1/37

Out: 73.209+/-0.161 χ^2/NDF:9554.6/41

All: 72.950+/-0.114 χ^2/NDF: 18335.9/79



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.526+/-0.008 χ^2/NDF:1294.9/22

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.472+/-0.008 χ^2/NDF:1914.5/21

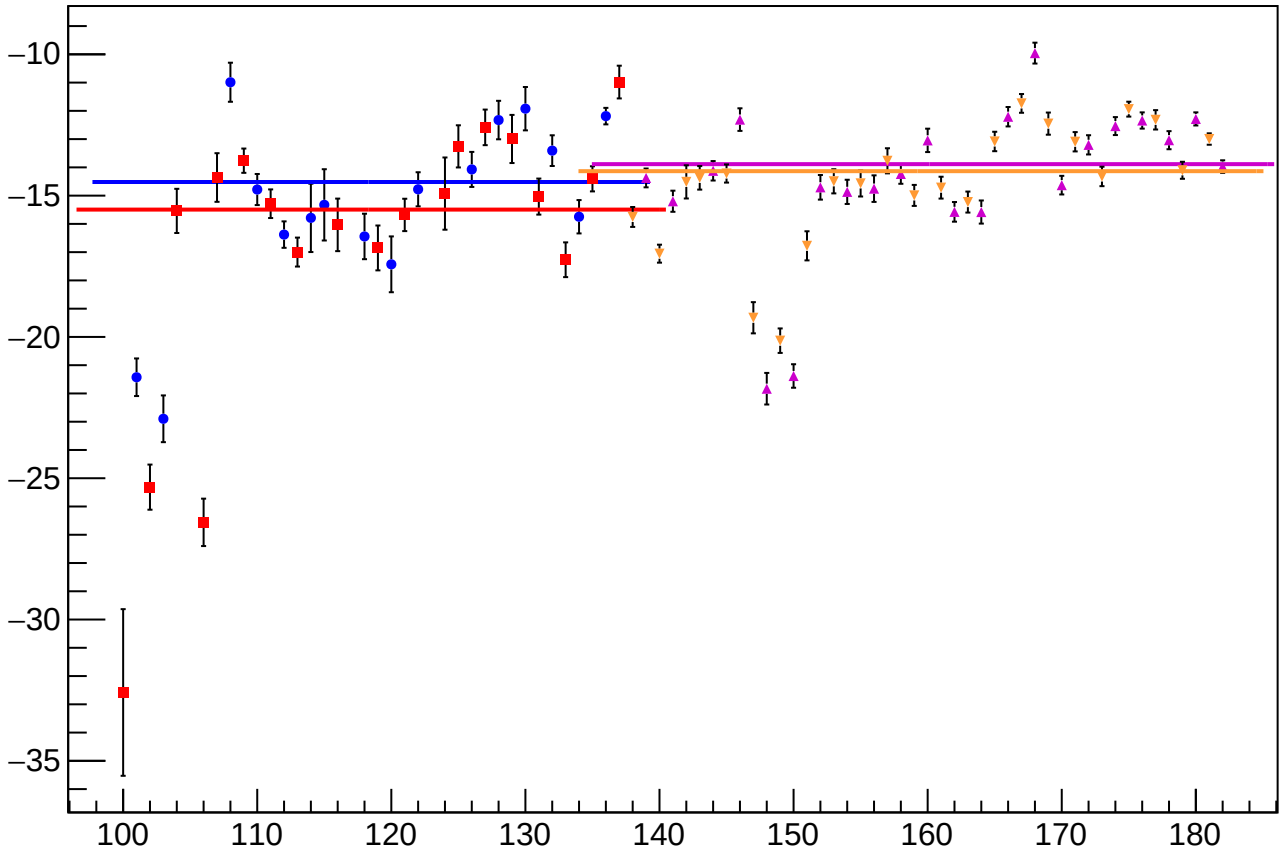
Left: -0.499+/-0.006 χ^2/NDF: 3234.2/44

Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.481+/-0.007 χ^2/NDF:2422.6/37

Out: -0.536+/-0.007 χ^2/NDF:1999.8/41

All: -0.509+/-0.005 χ^2/NDF: 4450.3/79



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.135+/-0.074 χ^2/NDF:649.6/22

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -13.886+/-0.073 χ^2/NDF:863.4/21

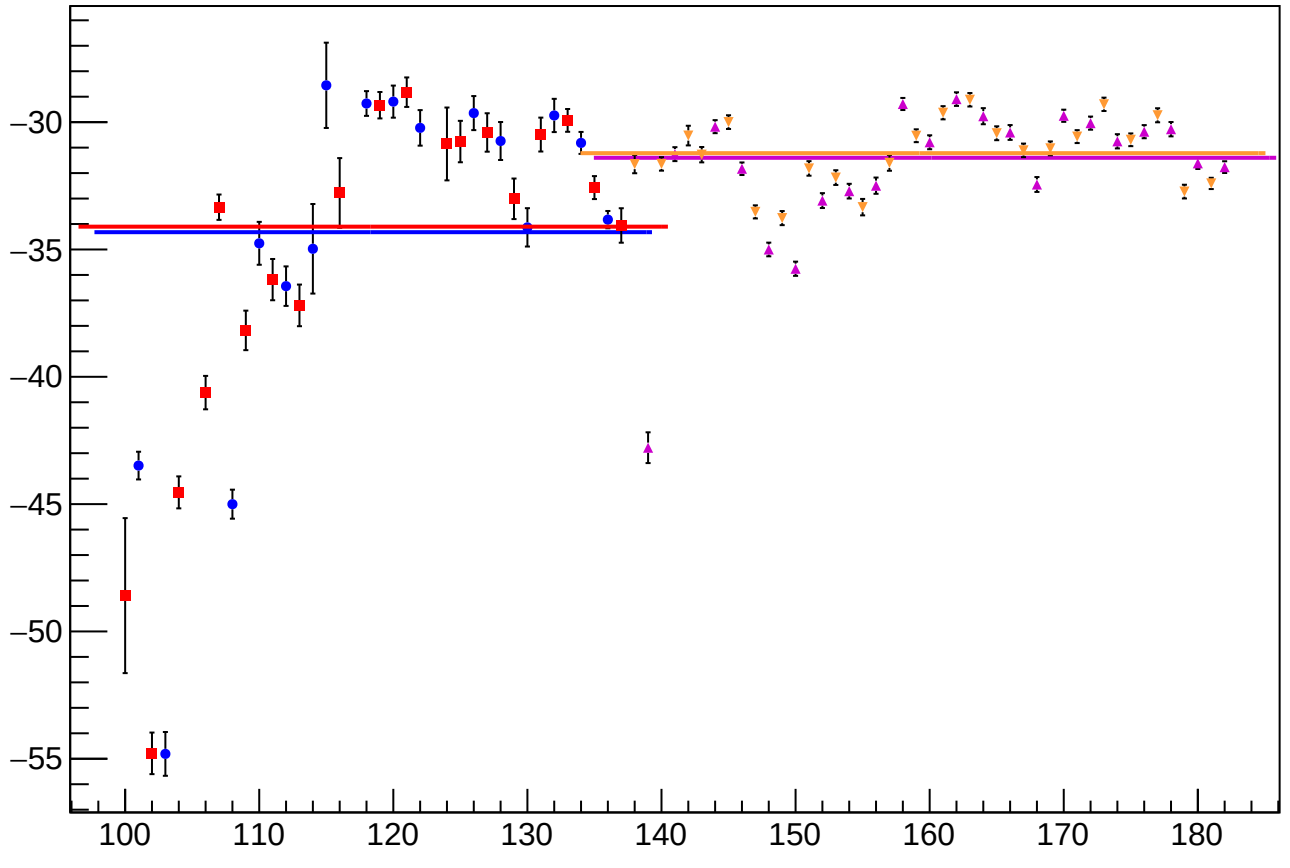
Left: -14.009+/-0.052 χ^2/NDF: 1518.8/44

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.007+/-0.066 χ^2/NDF:1241.2/37

Out: -14.398+/-0.066 χ^2/NDF:1219.7/41

All: -14.201+/-0.047 χ^2/NDF: 2478.5/79



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.218+/-0.057 χ^2/NDF:522.9/22

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.399+/-0.058 χ^2/NDF:1195.1/21

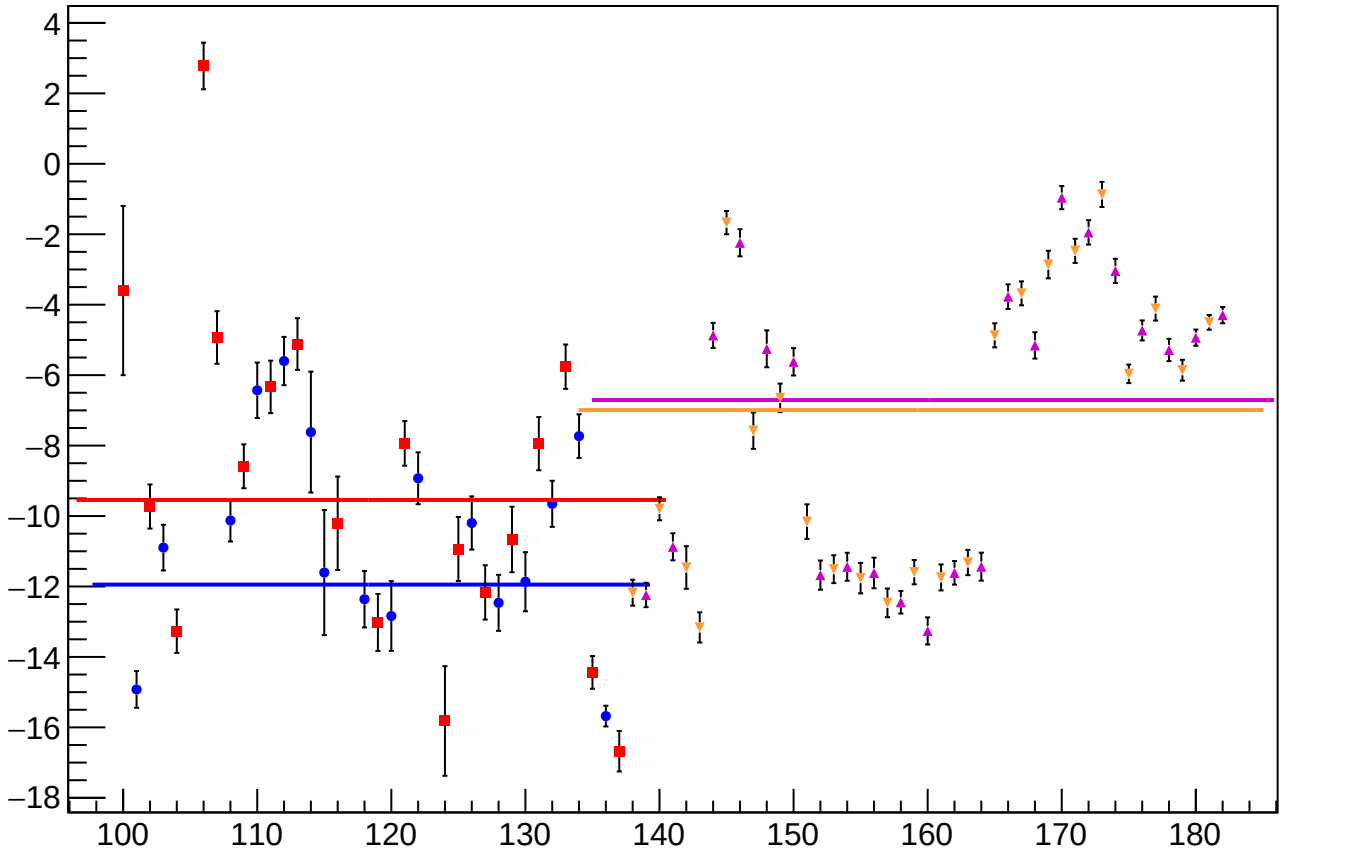
Left: -31.307+/-0.041 χ^2/NDF: 1722.9/44

Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -31.764+/-0.054 χ^2/NDF:3133.6/37

Out: -31.568+/-0.054 χ^2/NDF:2265.8/41

All: -31.665+/-0.038 χ^2/NDF: 5406.0/79



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -6.992+/-0.073 χ^2/NDF:2717.2/22

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -6.708+/-0.072 χ^2/NDF:2861.8/21

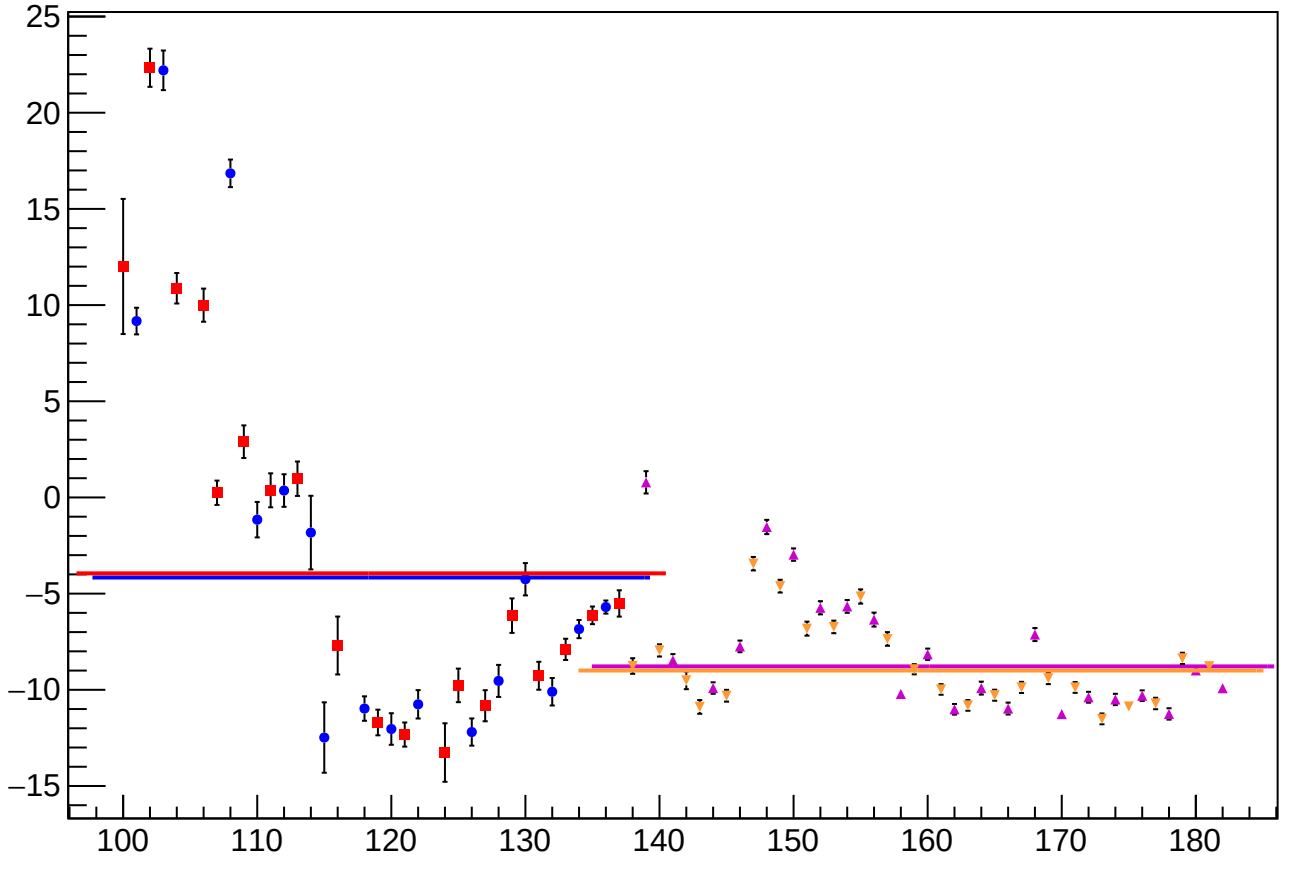
Left: -6.848+/-0.051 χ^2/NDF: 5586.7/44

Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -7.598+/-0.066 χ^2/NDF:4180.3/37

Out: -7.410+/-0.067 χ^2/NDF:3763.9/41

All: -7.505+/-0.047 χ^2/NDF: 7948.1/79



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.997+/-0.064 χ^2/NDF:961.4/22

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.783+/-0.064 χ^2/NDF:1685.0/21

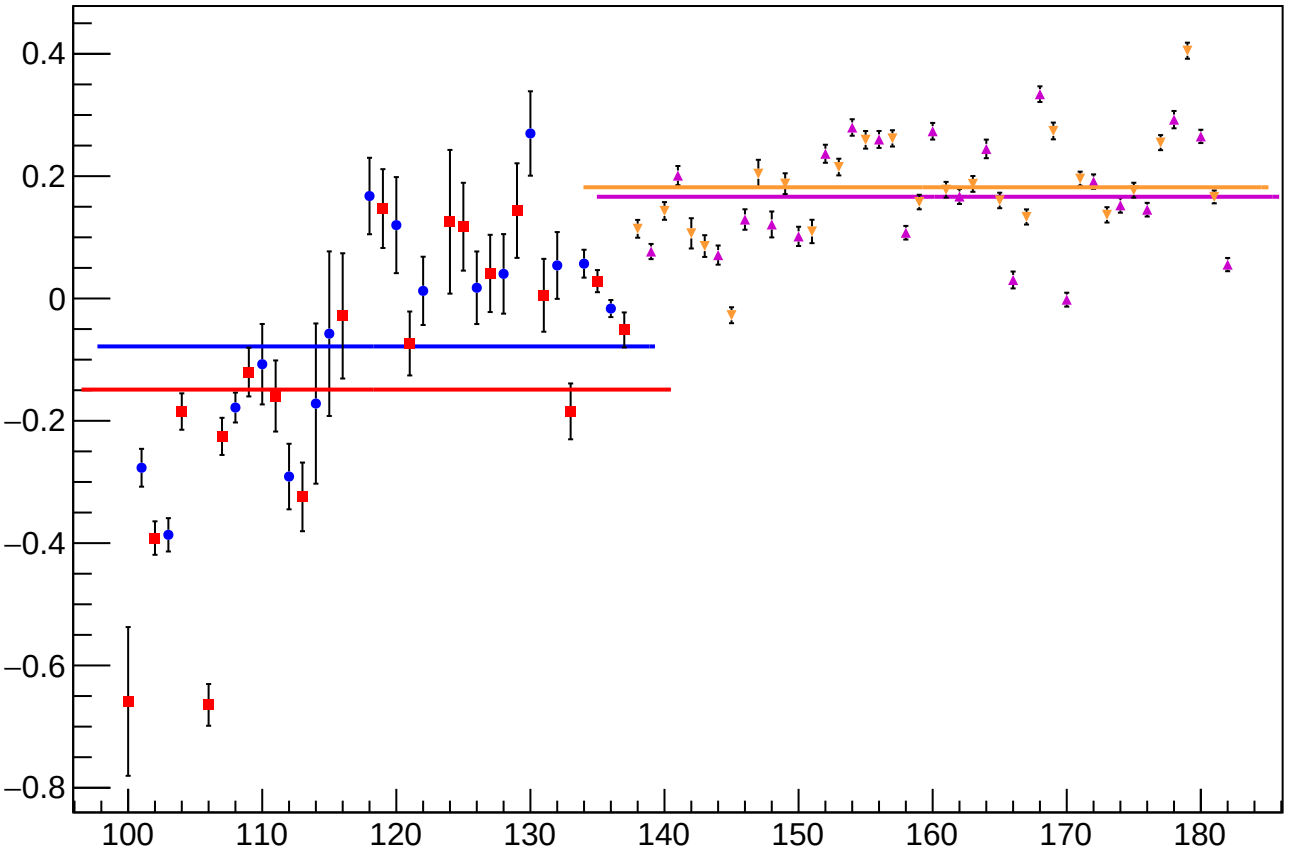
Left: -8.890+/-0.045 χ^2/NDF: 2651.9/44

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -8.219+/-0.060 χ^2/NDF:4844.0/37

Out: -8.407+/-0.060 χ^2/NDF:3798.5/41

All: -8.313+/-0.043 χ^2/NDF: 8647.4/79



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.182+/-0.003 χ^2/NDF:819.8/22

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.166+/-0.003 χ^2/NDF:1138.4/21

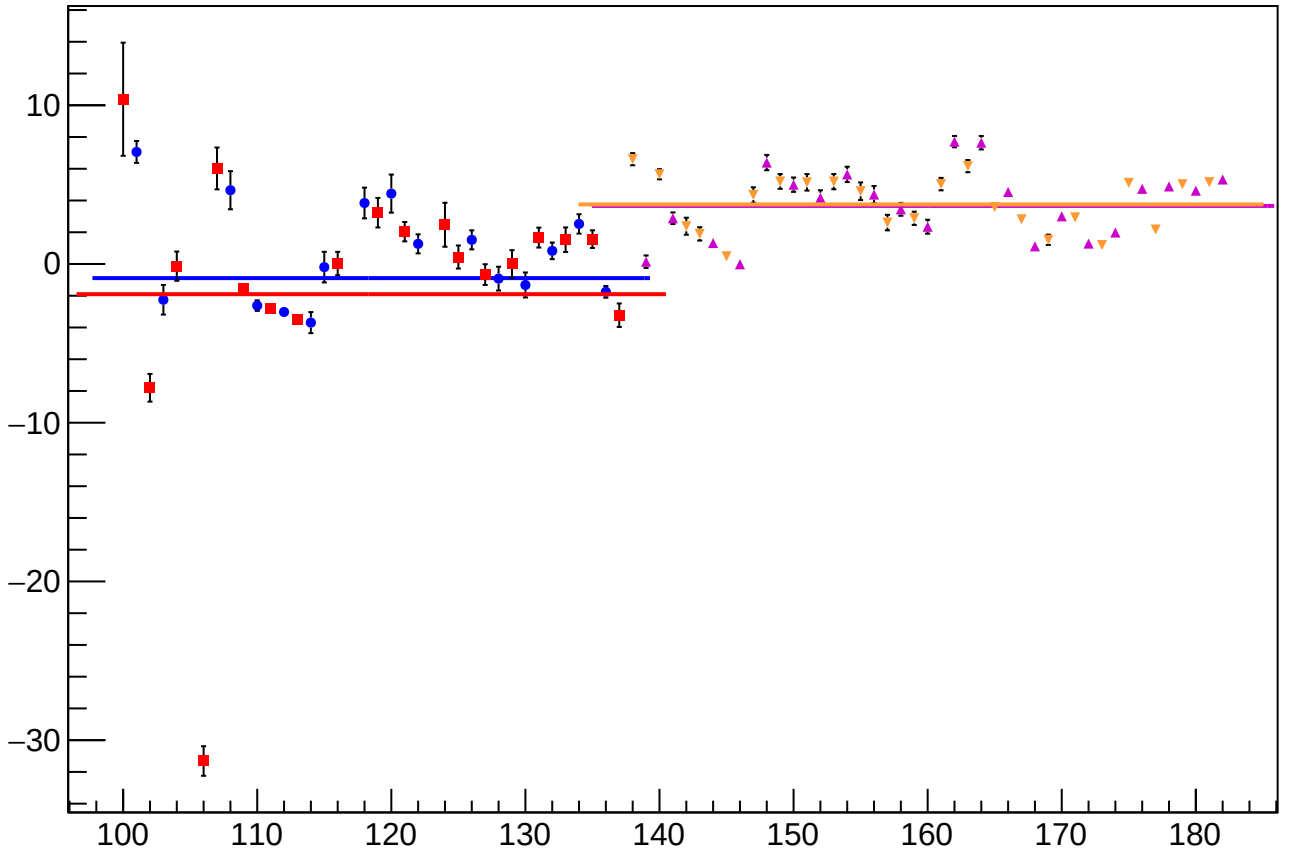
Left: 0.174+/-0.002 χ^2/NDF: 1973.3/44

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.143+/-0.003 χ^2/NDF:2193.7/37

Out: 0.152+/-0.003 χ^2/NDF:2554.5/41

All: 0.147+/-0.002 χ^2/NDF: 4754.5/79



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.752+/-0.066 χ^2/NDF:701.8/22

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.659+/-0.065 χ^2/NDF:946.9/21

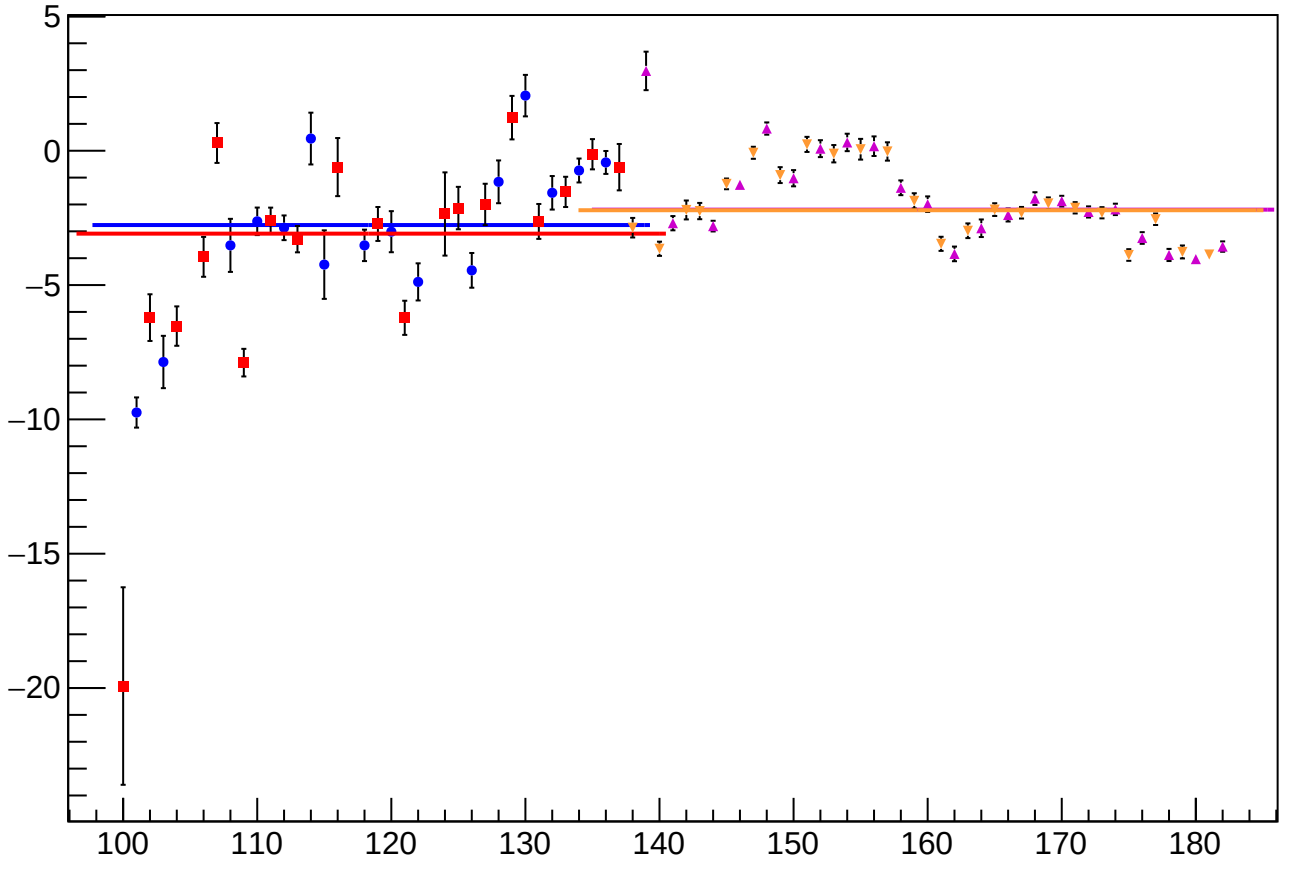
Left: 3.705+/-0.046 χ^2/NDF: 1649.6/44

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 2.823+/-0.059 χ^2/NDF:2232.1/37

Out: 2.563+/-0.059 χ^2/NDF:3566.6/41

All: 2.694+/-0.042 χ^2/NDF: 5808.4/79



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -2.214+/-0.052 χ^2/NDF:582.6/22

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -2.193+/-0.051 χ^2/NDF:722.3/21

Left: -2.203+/-0.036 χ^2/NDF: 1305.0/44

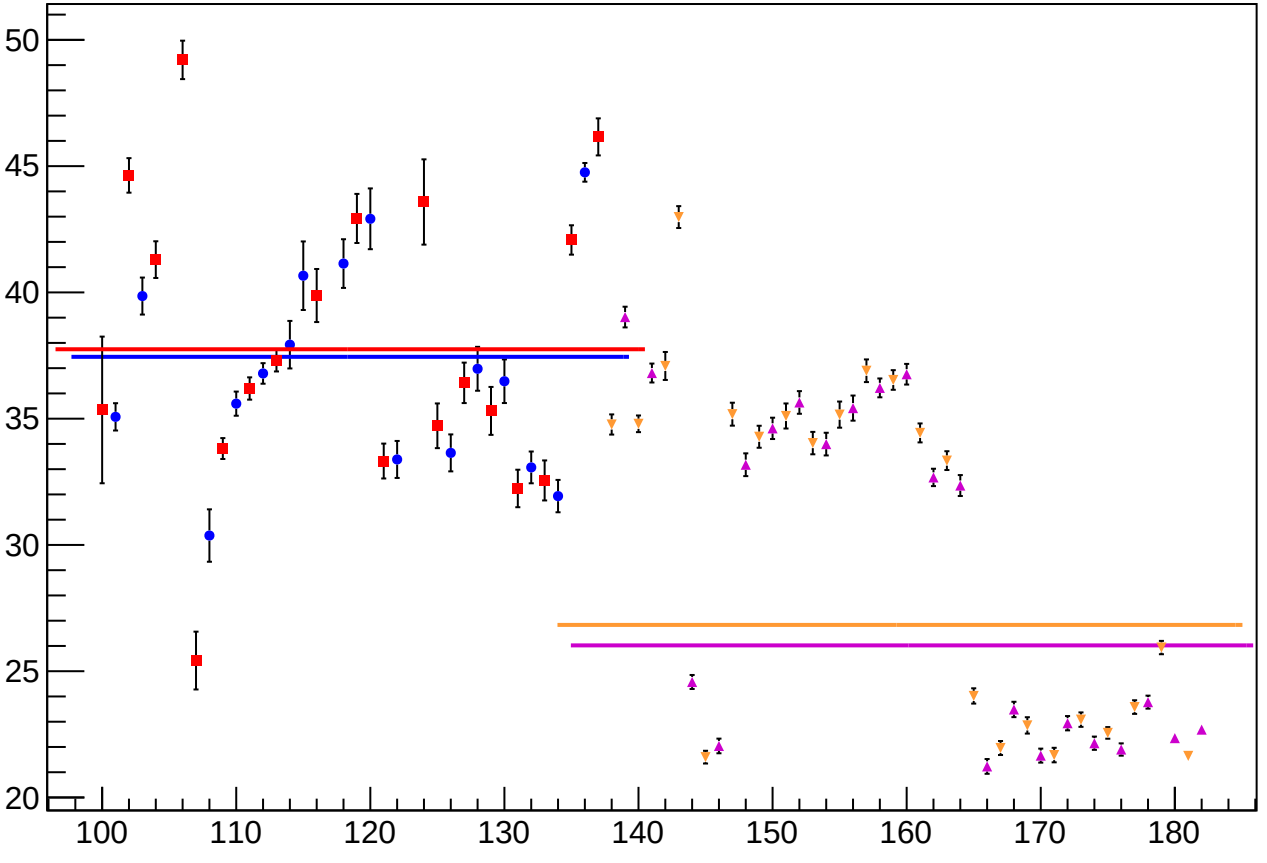
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -2.249+/-0.049 χ^2/NDF:1044.5/37

Out: -2.300+/-0.049 χ^2/NDF:882.7/41

All: -2.274+/-0.035 χ^2/NDF: 1927.8/79

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: 26.833+/-0.066 χ^2/NDF:8875.3/22

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 26.022+/-0.065 χ^2/NDF:7841.4/21

Left: 26.419+/-0.046 χ^2/NDF: 16793.2/44

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 27.620+/-0.060 χ^2/NDF:12896.3/37

Out: 28.442+/-0.061 χ^2/NDF:13836.4/41

All: 28.023+/-0.043 χ^2/NDF: 26824.7/79

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 24.491+/-0.058 χ^2/NDF:1757.0/22

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 24.300+/-0.057 χ^2/NDF:1584.8/21

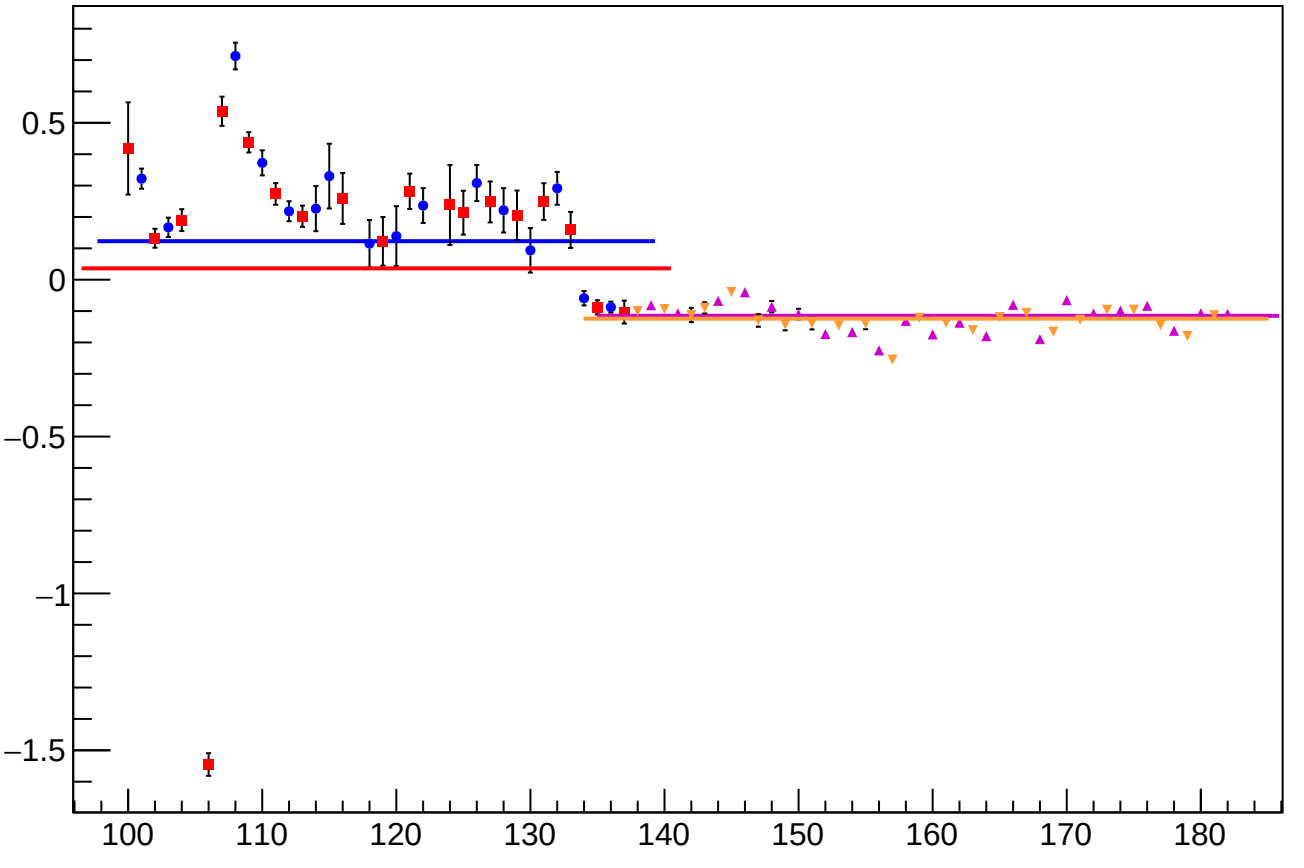
Left: 24.394+/-0.041 χ^2/NDF: 3347.4/44

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 23.376+/-0.054 χ^2/NDF:9958.9/37

Out: 23.271+/-0.055 χ^2/NDF:12399.6/41

All: 23.325+/-0.039 χ^2/NDF: 22360.4/79



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.124+/-0.003 χ^2/NDF:234.9/22

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.115+/-0.003 χ^2/NDF:290.5/21

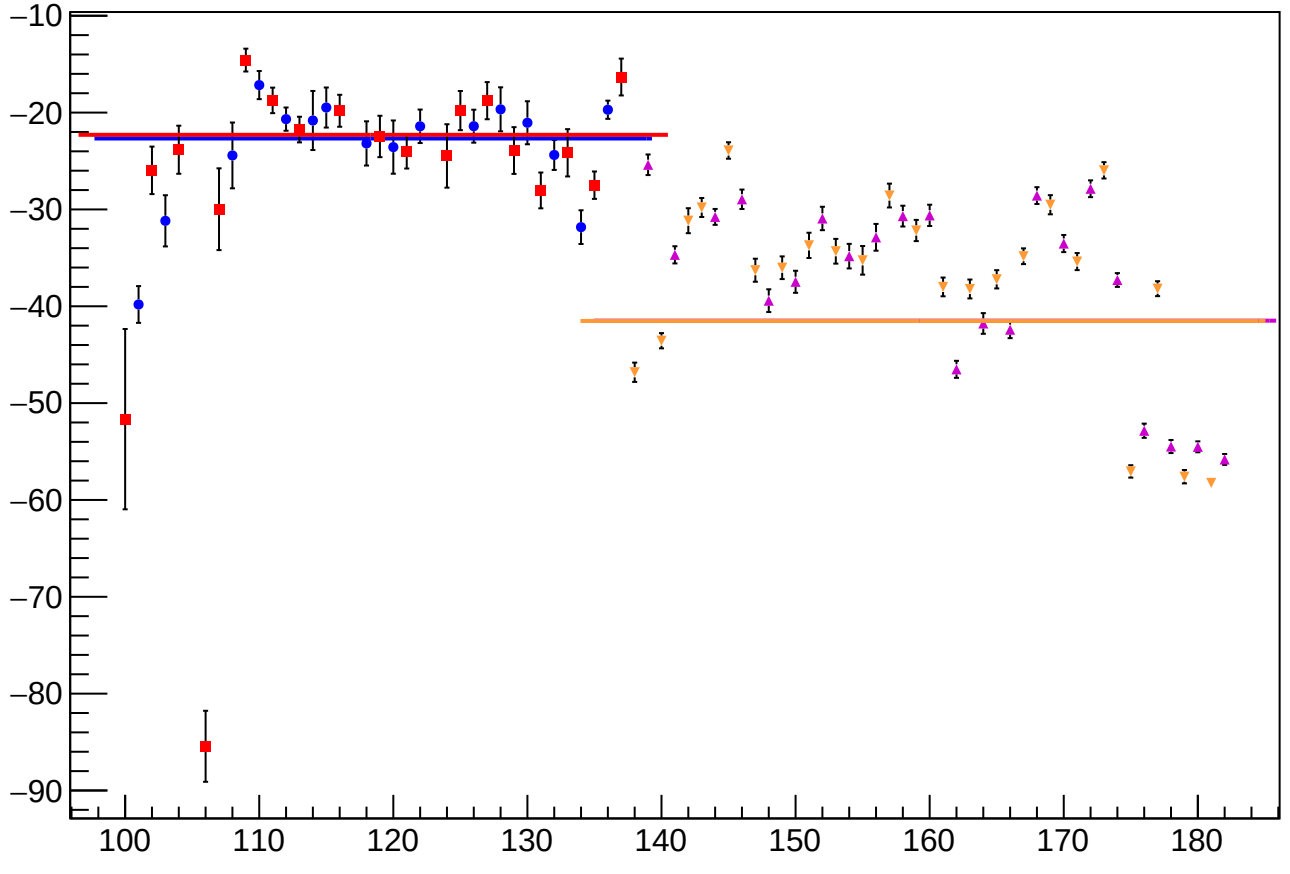
Left: -0.120+/-0.002 χ^2/NDF: 531.5/44

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

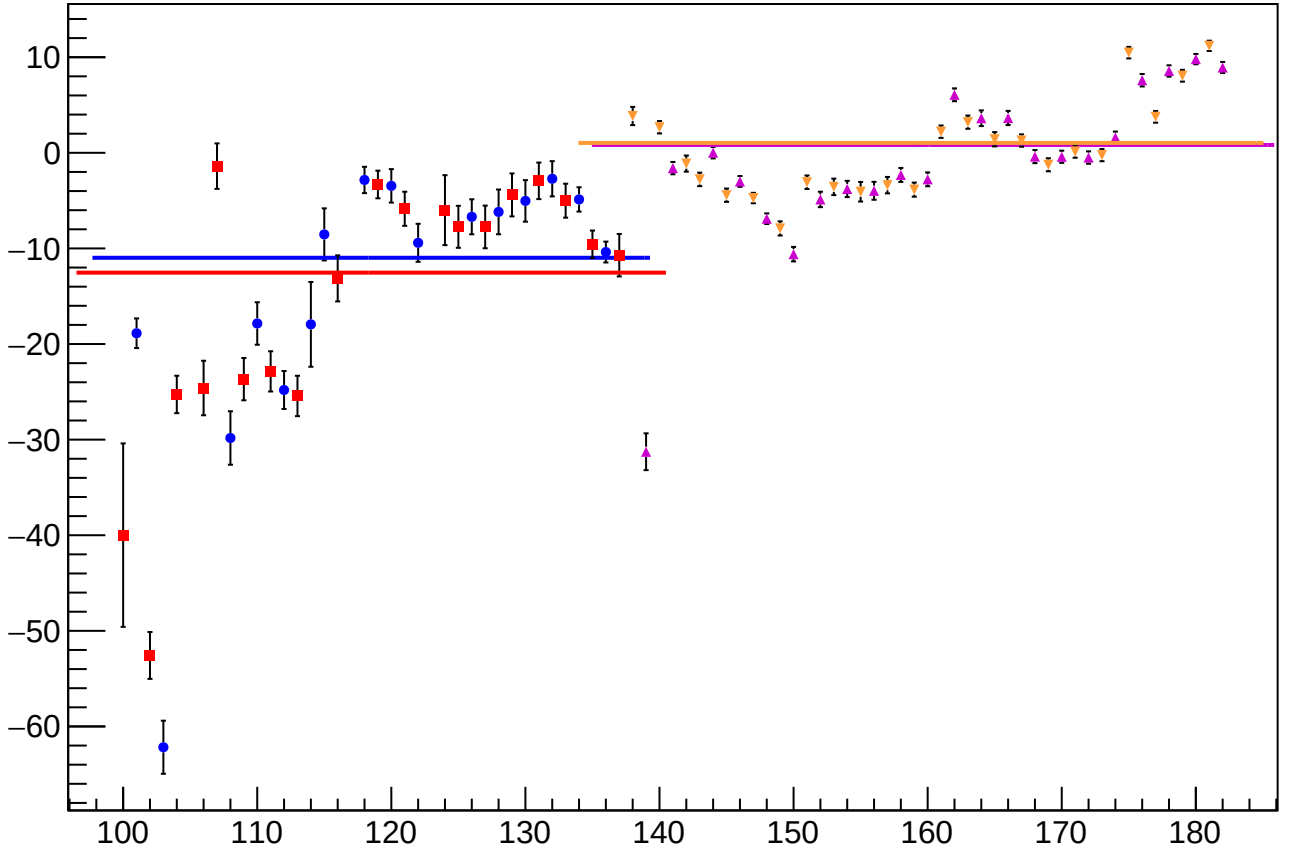
In: -0.099+/-0.002 χ^2/NDF:1406.3/37

Out: -0.114+/-0.003 χ^2/NDF:2900.6/41

All: -0.106+/-0.002 χ^2/NDF: 4324.1/79


reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
160
170
180
Right In: -22.675+/-0.435 χ²/NDF: 154.4/15
Left Out: -41.515+/-0.186 χ²/NDF:3924.8/22
Right Out: -22.295+/-0.435 χ²/NDF: 405.5/18
Left In: -41.485+/-0.184 χ²/NDF:3381.6/21
Left: -41.500+/-0.131 χ²/NDF: 7306.4/44
Right: -22.485+/-0.307 χ²/NDF: 560.3/34
In: -38.613+/-0.170 χ²/NDF:5123.7/37
Out: -38.556+/-0.171 χ²/NDF:5980.7/41
All: -38.585+/-0.120 χ²/NDF: 11104.5/79

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: 1.035+/-0.143 χ^2/NDF:1303.3/22

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: 0.823+/-0.144 χ^2/NDF:1753.3/21

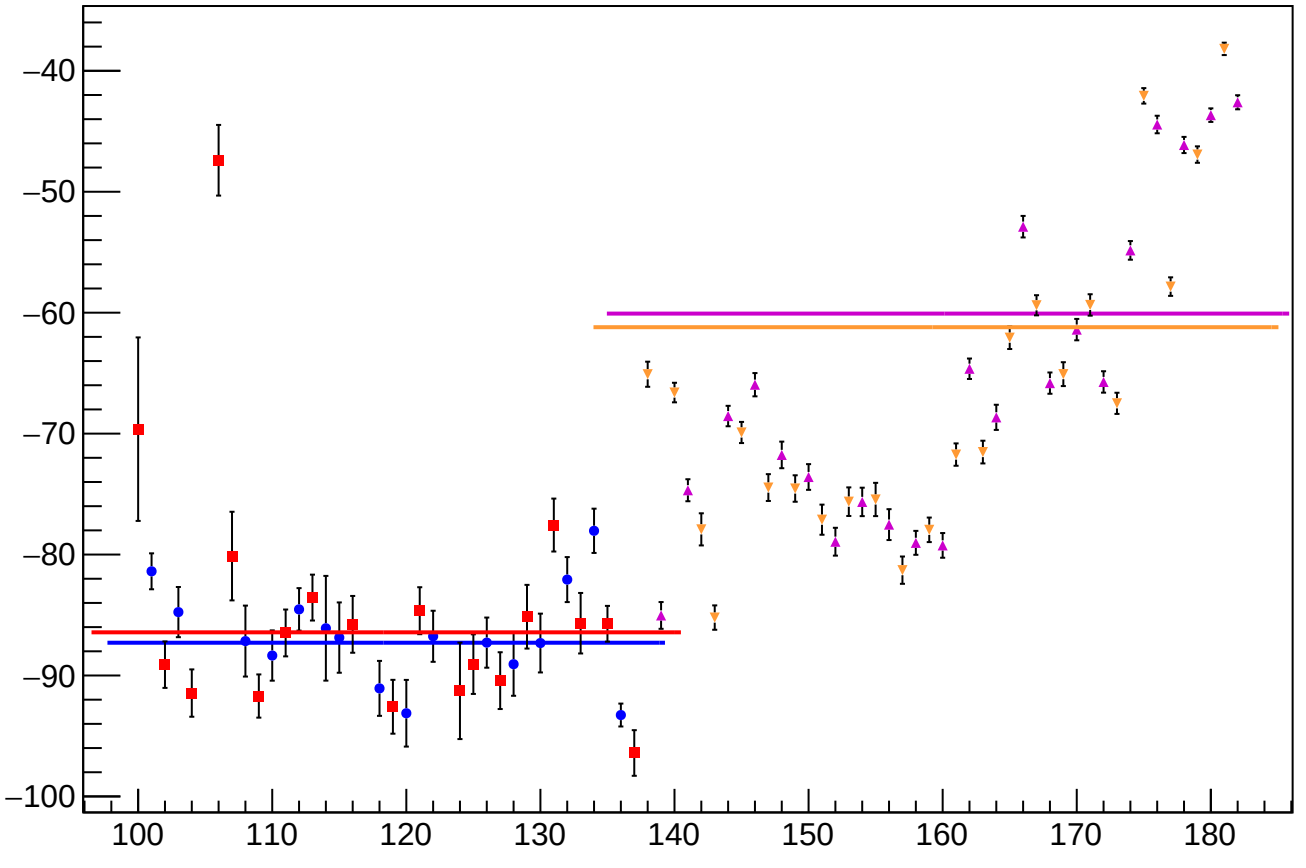
Left: 0.930+/-0.102 χ^2/NDF: 3057.7/44

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -0.264+/-0.138 χ^2/NDF:2955.9/37

Out: -0.072+/-0.137 χ^2/NDF:2606.1/41

All: -0.168+/-0.097 χ^2/NDF: 5562.9/79



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -61.200+/-0.185 χ^2/NDF:5878.6/22

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -60.075+/-0.184 χ^2/NDF:5477.6/21

Left: -60.633+/-0.130 χ^2/NDF: 11374.8/44

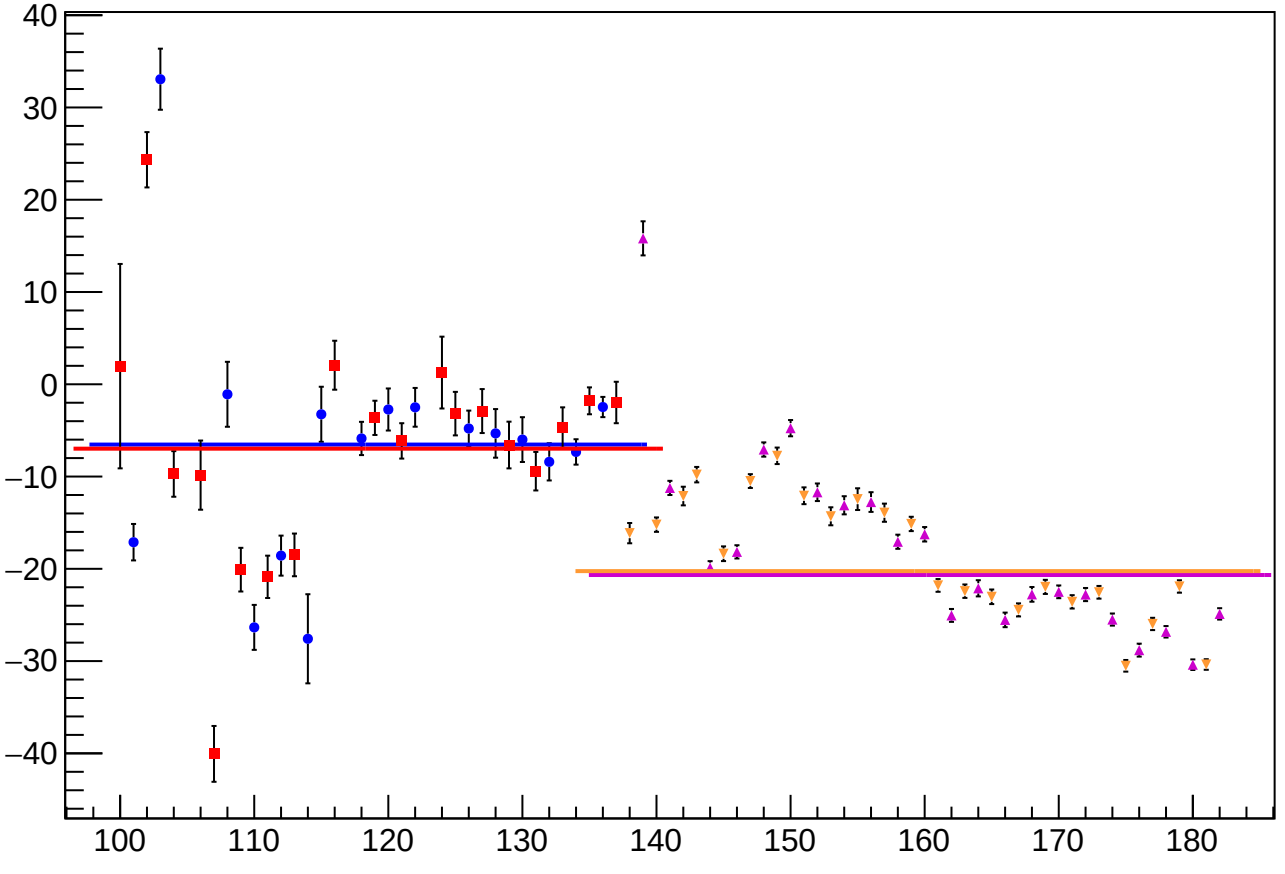
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -63.541+/-0.172 χ^2/NDF:8377.4/37

Out: -64.177+/-0.174 χ^2/NDF:8337.0/41

All: -63.855+/-0.122 χ^2/NDF: 16721.2/79

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: -20.250+/-0.161 χ^2/NDF:1645.7/22

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -20.671+/-0.161 χ^2/NDF:2170.4/21

Left: -20.460+/-0.114 χ^2/NDF: 3819.5/44

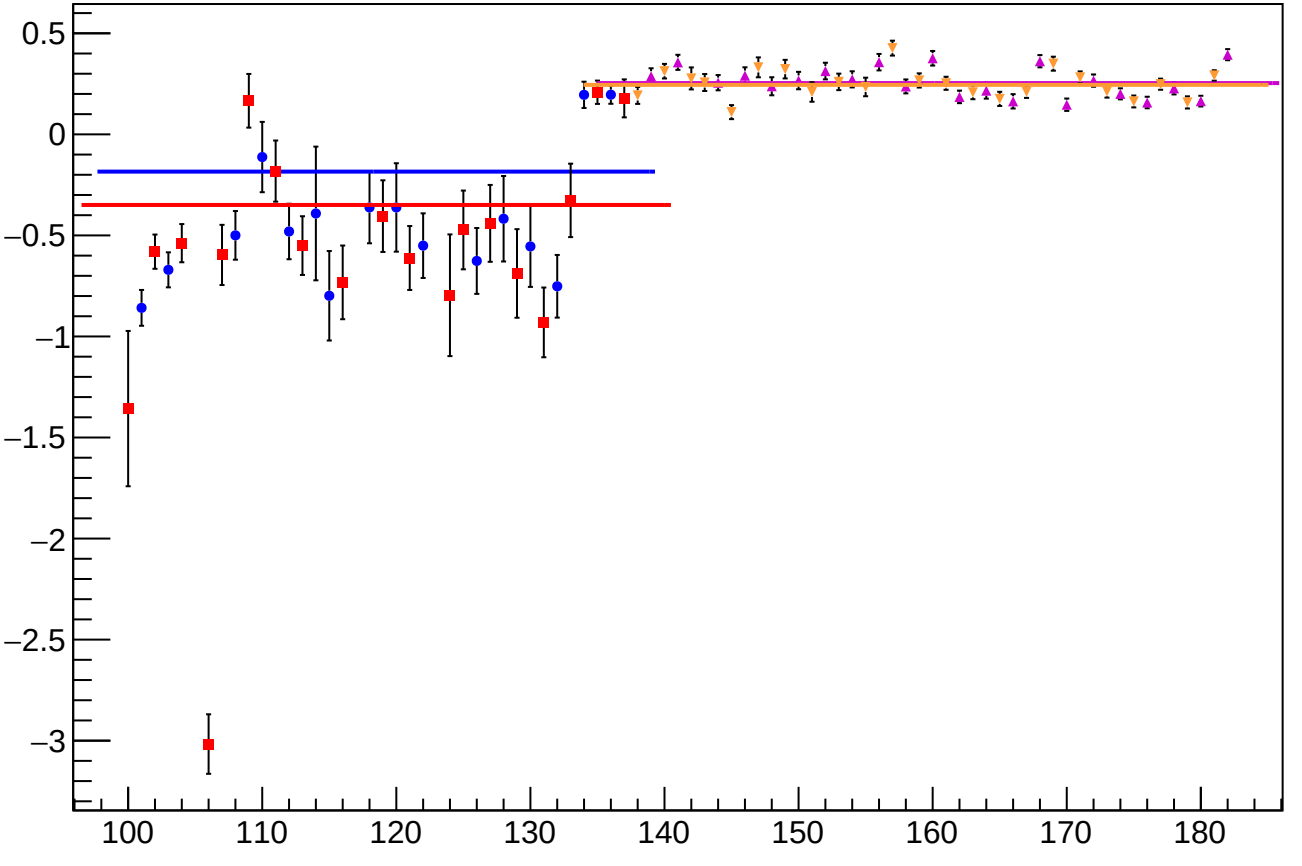
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -19.375+/-0.154 χ^2/NDF:3188.0/37

Out: -19.169+/-0.155 χ^2/NDF:2565.3/41

All: -19.272+/-0.109 χ^2/NDF: 5754.2/79

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.245+/-0.007 χ^2/NDF:89.6/22

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.254+/-0.007 χ^2/NDF:120.6/21

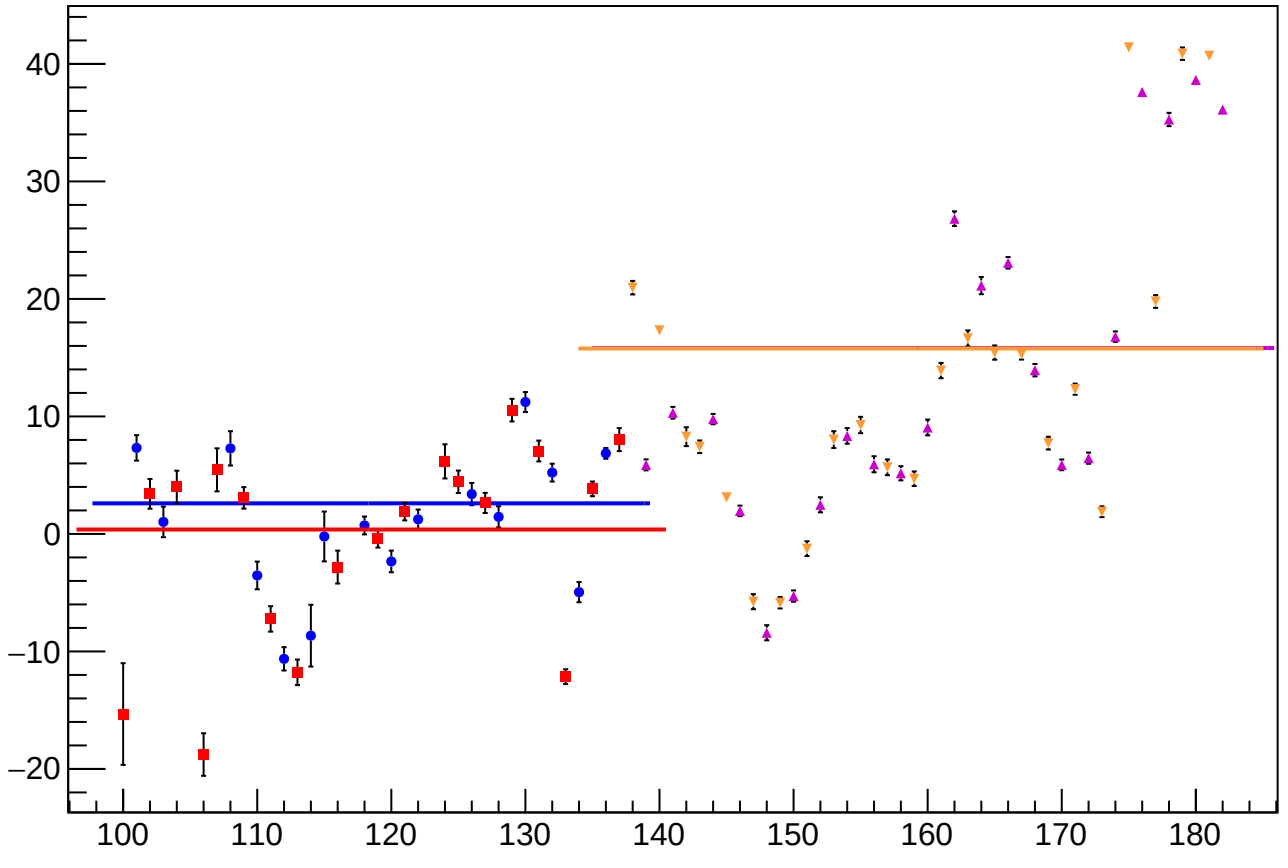
Left: 0.249+/-0.005 χ^2/NDF: 210.9/44

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.224+/-0.007 χ^2/NDF:617.5/37

Out: 0.210+/-0.007 χ^2/NDF:993.1/41

All: 0.217+/-0.005 χ^2/NDF: 1612.5/79



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 15.782+/-0.109 χ^2/NDF:18889.2/22

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 15.824+/-0.108 χ^2/NDF:17430.5/21

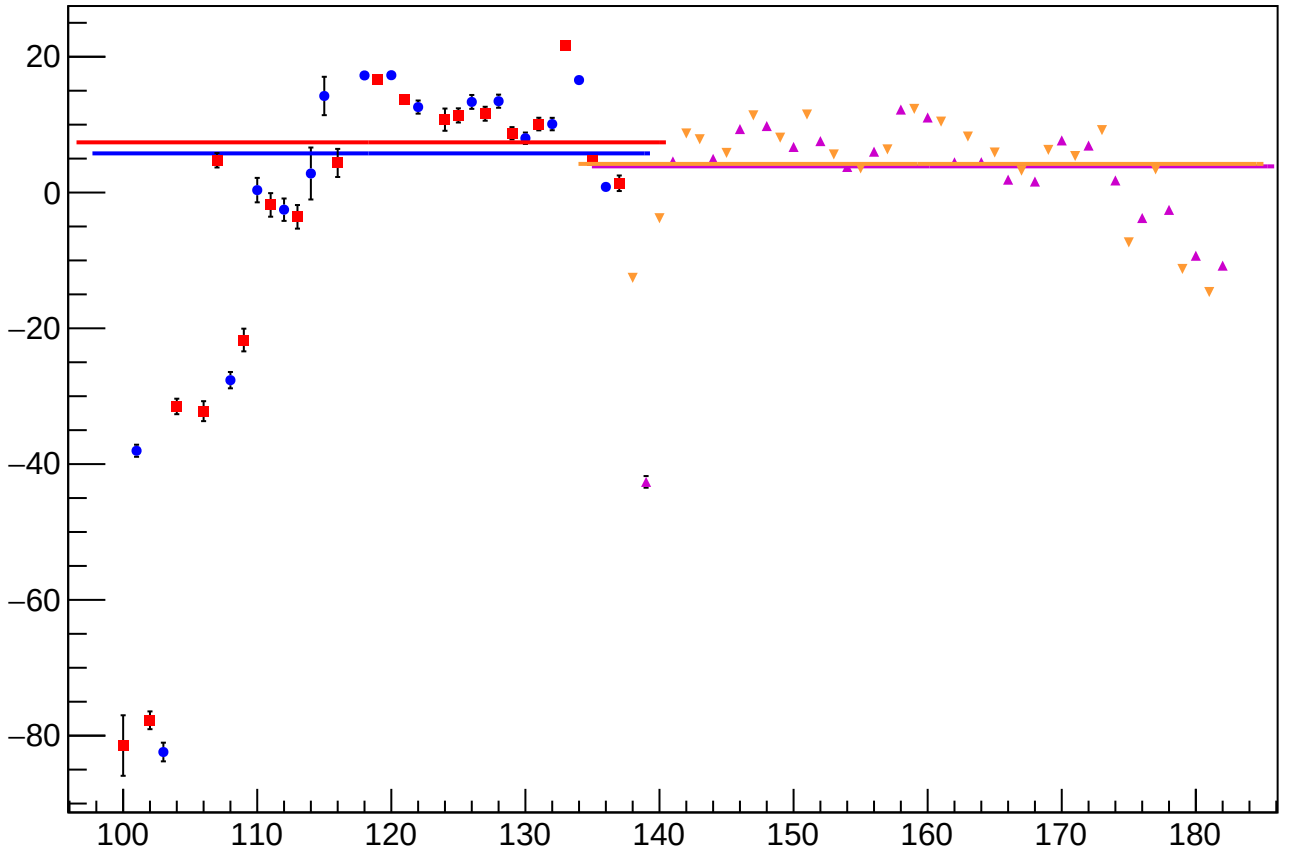
Left: 15.803+/-0.077 χ^2/NDF: 36319.7/44

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 13.315+/-0.098 χ^2/NDF:20823.2/37

Out: 12.806+/-0.098 χ^2/NDF:23796.6/41

All: 13.061+/-0.069 χ^2/NDF: 44633.3/79



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 4.219+/-0.082 χ^2/NDF:8155.8/22

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 3.856+/-0.084 χ^2/NDF:7891.4/21

Left: 4.040+/-0.059 χ^2/NDF: 16056.8/44

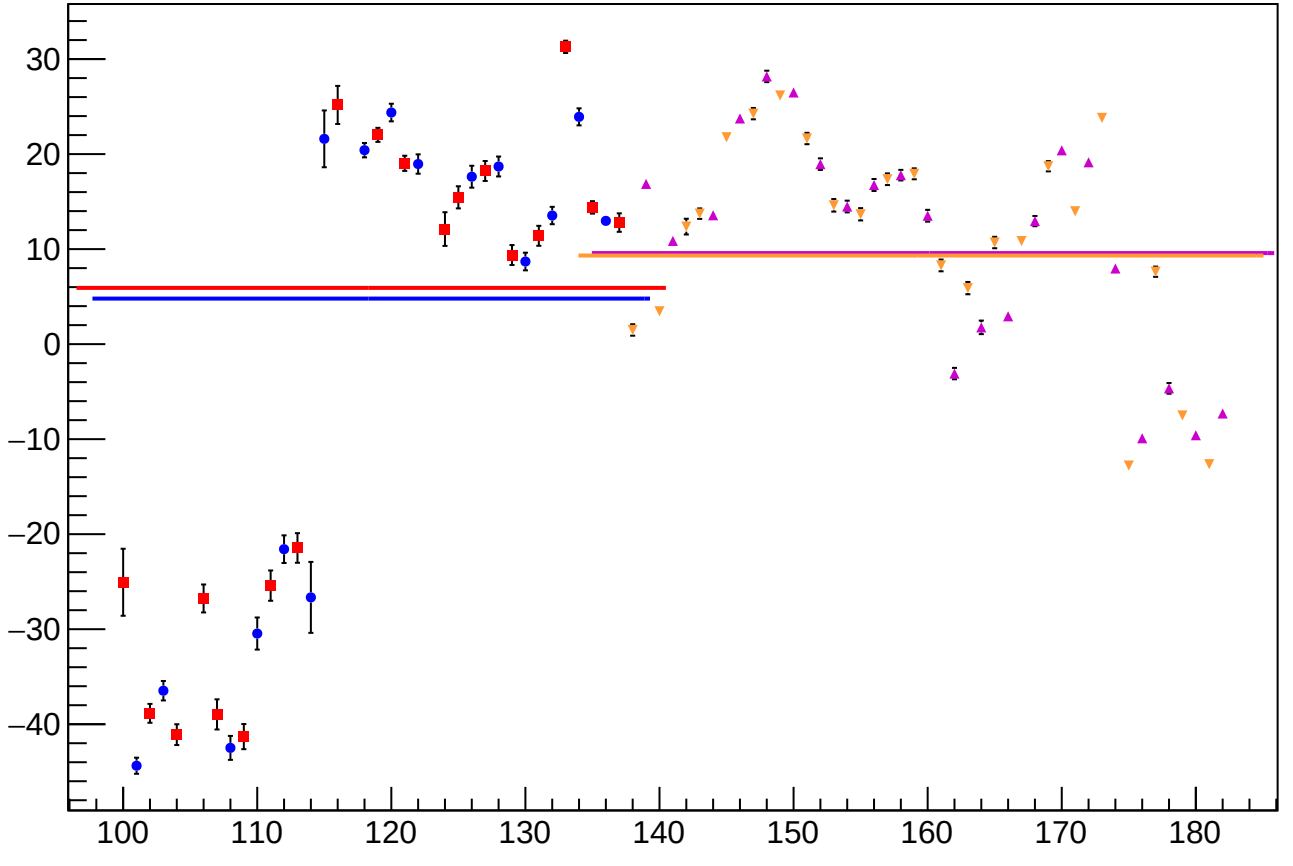
Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 4.118+/-0.078 χ^2/NDF:16896.9/37

Out: 4.647+/-0.077 χ^2/NDF:16746.5/41

All: 4.386+/-0.055 χ^2/NDF: 33666.9/79

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 9.326+/-0.108 χ^2/NDF:13578.0/22

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 9.582+/-0.108 χ^2/NDF:13013.0/21

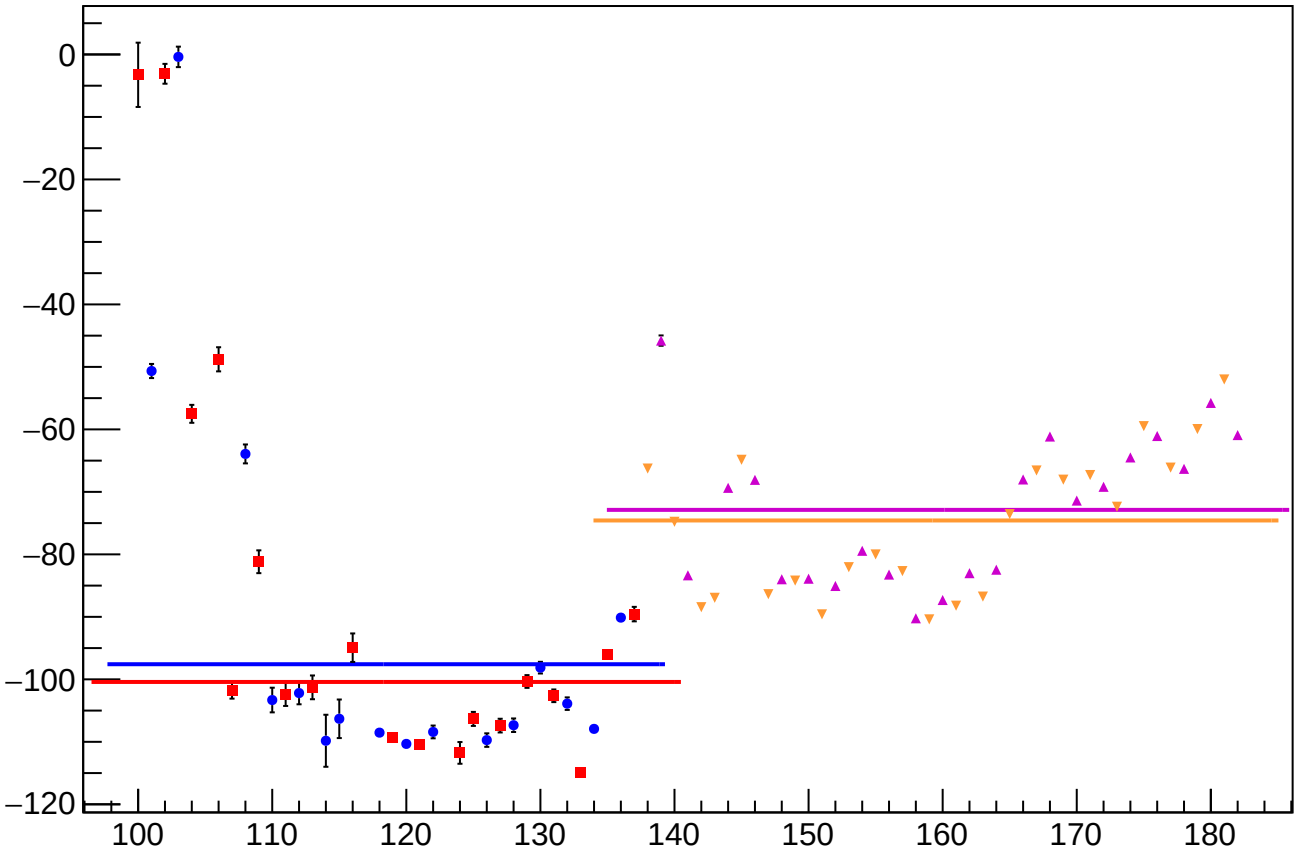
Left: 9.455+/-0.076 χ^2/NDF: 26593.8/44

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 8.766+/-0.098 χ^2/NDF:22847.3/37

Out: 8.751+/-0.099 χ^2/NDF:23804.8/41

All: 8.758+/-0.070 χ^2/NDF: 46652.1/79



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -74.575+/-0.093 χ^2/NDF:14671.9/22

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -72.881+/-0.094 χ^2/NDF:12516.8/21

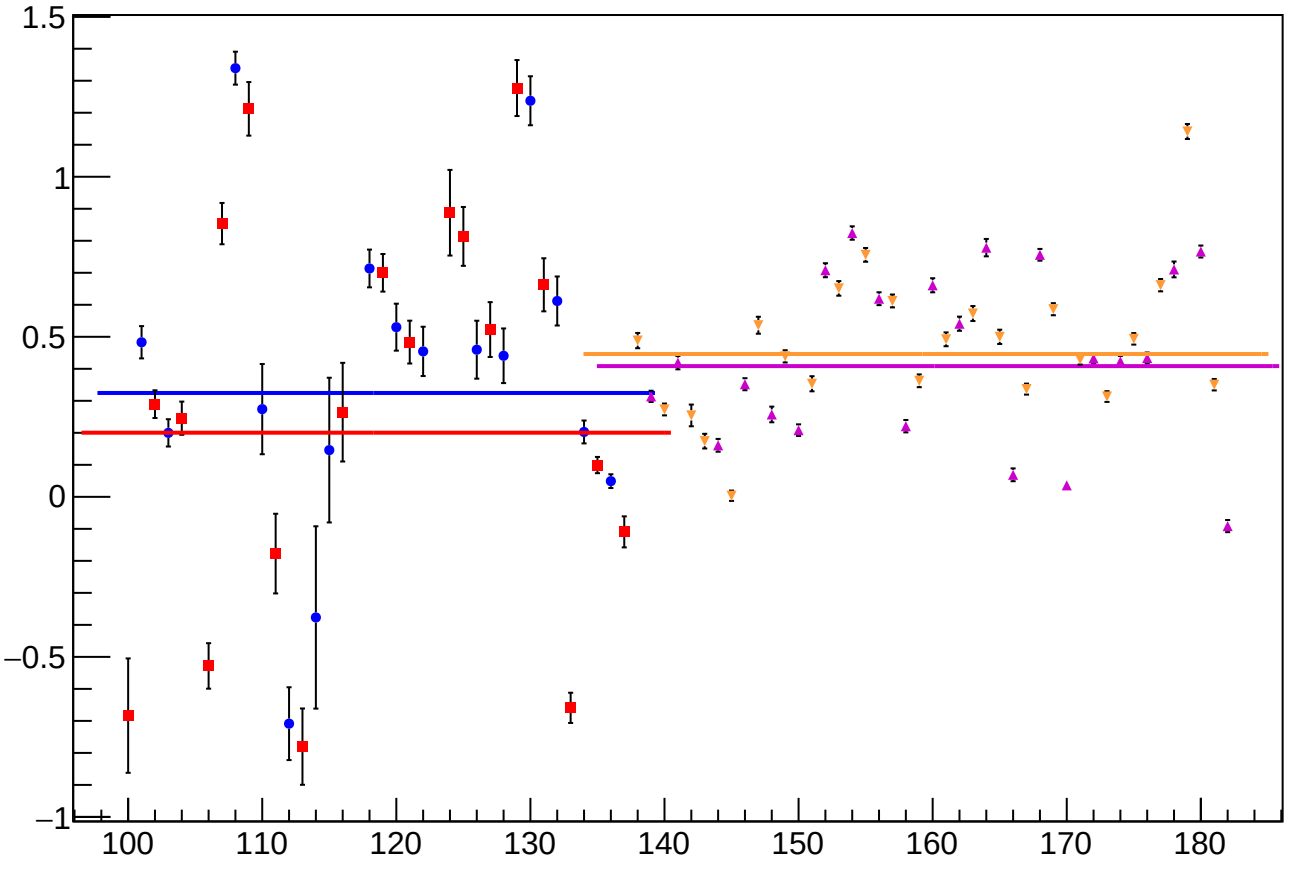
Left: -73.734+/-0.066 χ^2/NDF: 27352.0/44

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -76.132+/-0.088 χ^2/NDF:28730.6/37

Out: -77.954+/-0.087 χ^2/NDF:31784.9/41

All: -77.049+/-0.062 χ^2/NDF: 60732.5/79



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.446+/-0.004 χ^2/NDF:2649.5/22

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.408+/-0.004 χ^2/NDF:3909.1/21

Left: 0.427+/-0.003 χ^2/NDF: 6599.4/44

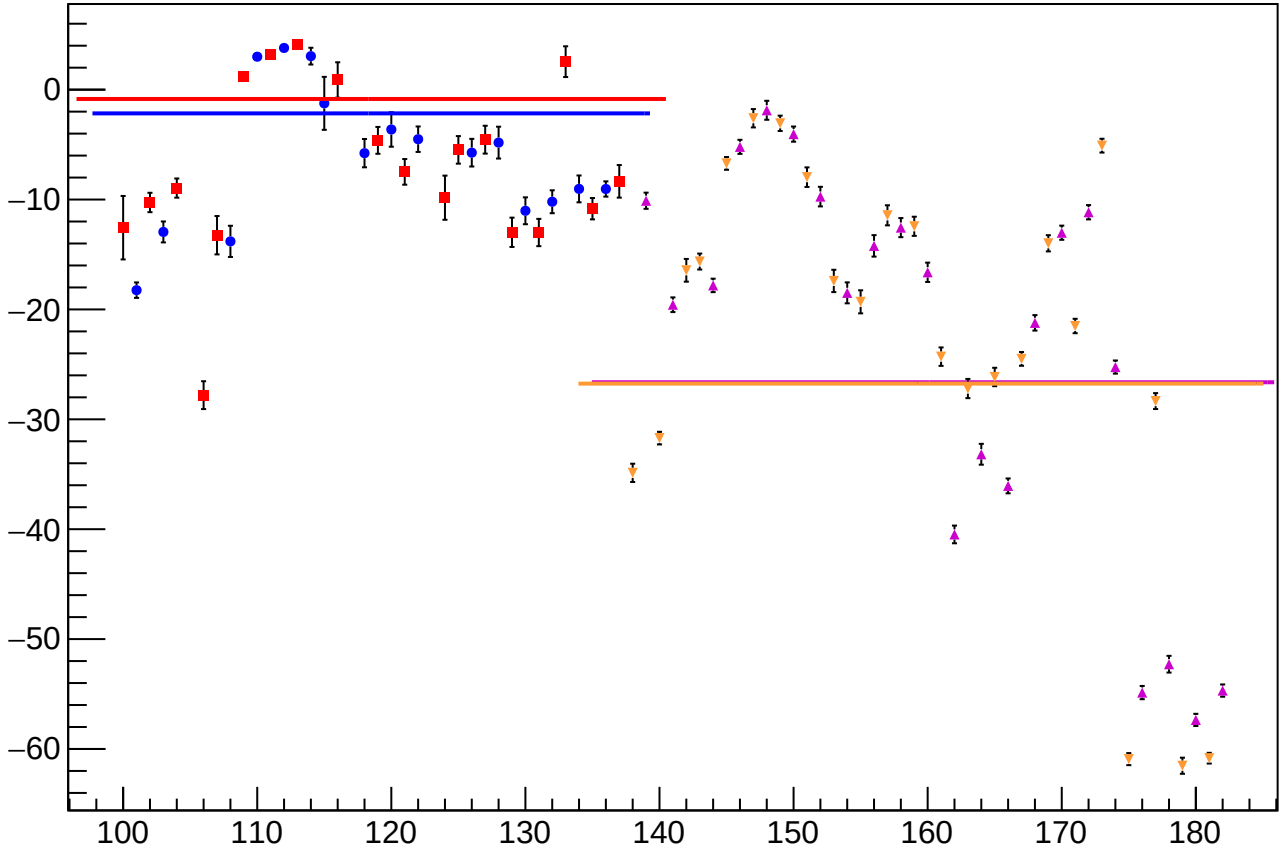
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.401+/-0.004 χ^2/NDF:4832.0/37

Out: 0.425+/-0.004 χ^2/NDF:4144.4/41

All: 0.413+/-0.003 χ^2/NDF: 8995.2/79

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -26.751+/-0.151 χ^2/NDF:17375.3/22

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -26.628+/-0.151 χ^2/NDF:15357.2/21

Left: -26.690+/-0.107 χ^2/NDF: 32732.8/44

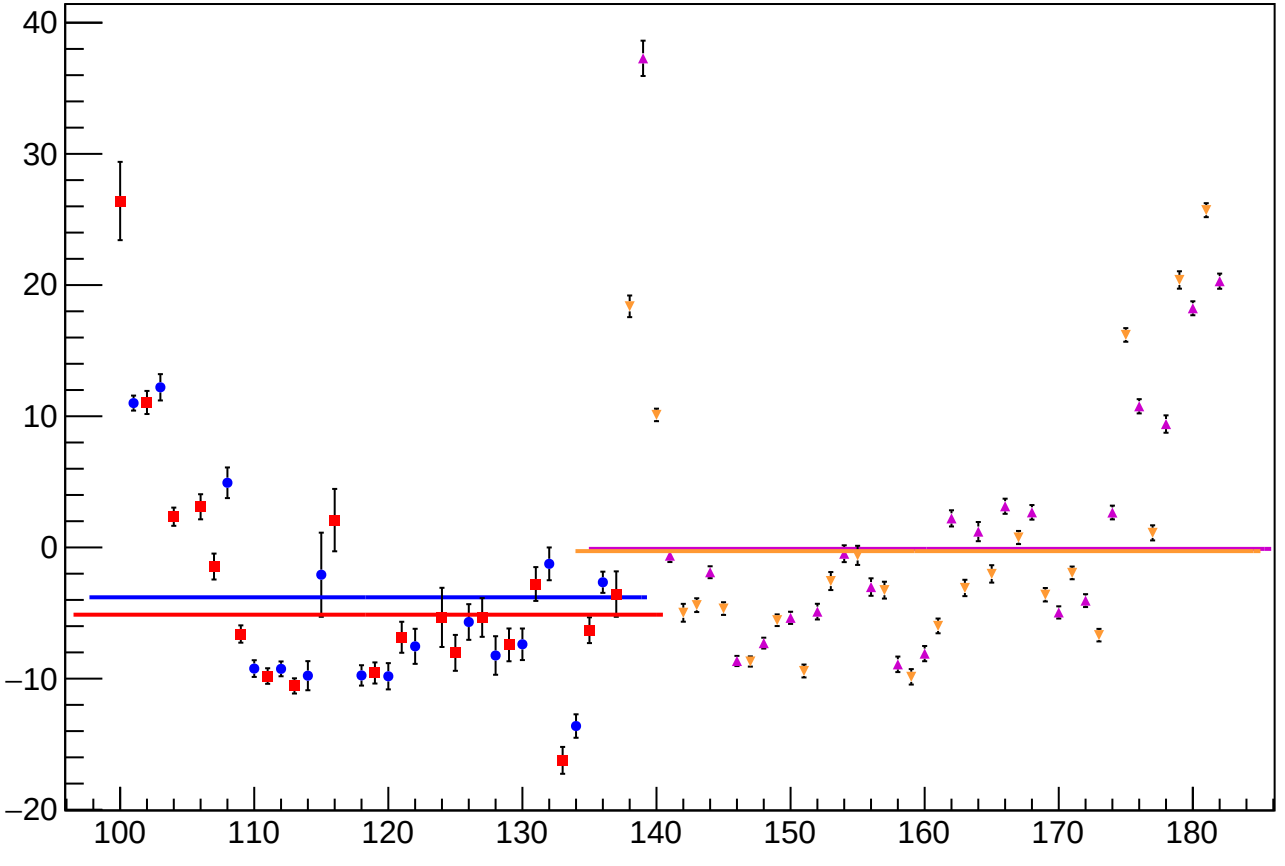
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -17.293+/-0.119 χ^2/NDF:26895.1/37

Out: -15.392+/-0.113 χ^2/NDF:31815.5/41

All: -16.295+/-0.082 χ^2/NDF: 58845.5/79

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: -0.280+/-0.113 χ^2/NDF:7151.3/22

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -0.110+/-0.115 χ^2/NDF:5506.8/21

Left: -0.196+/-0.081 χ^2/NDF: 12659.2/44

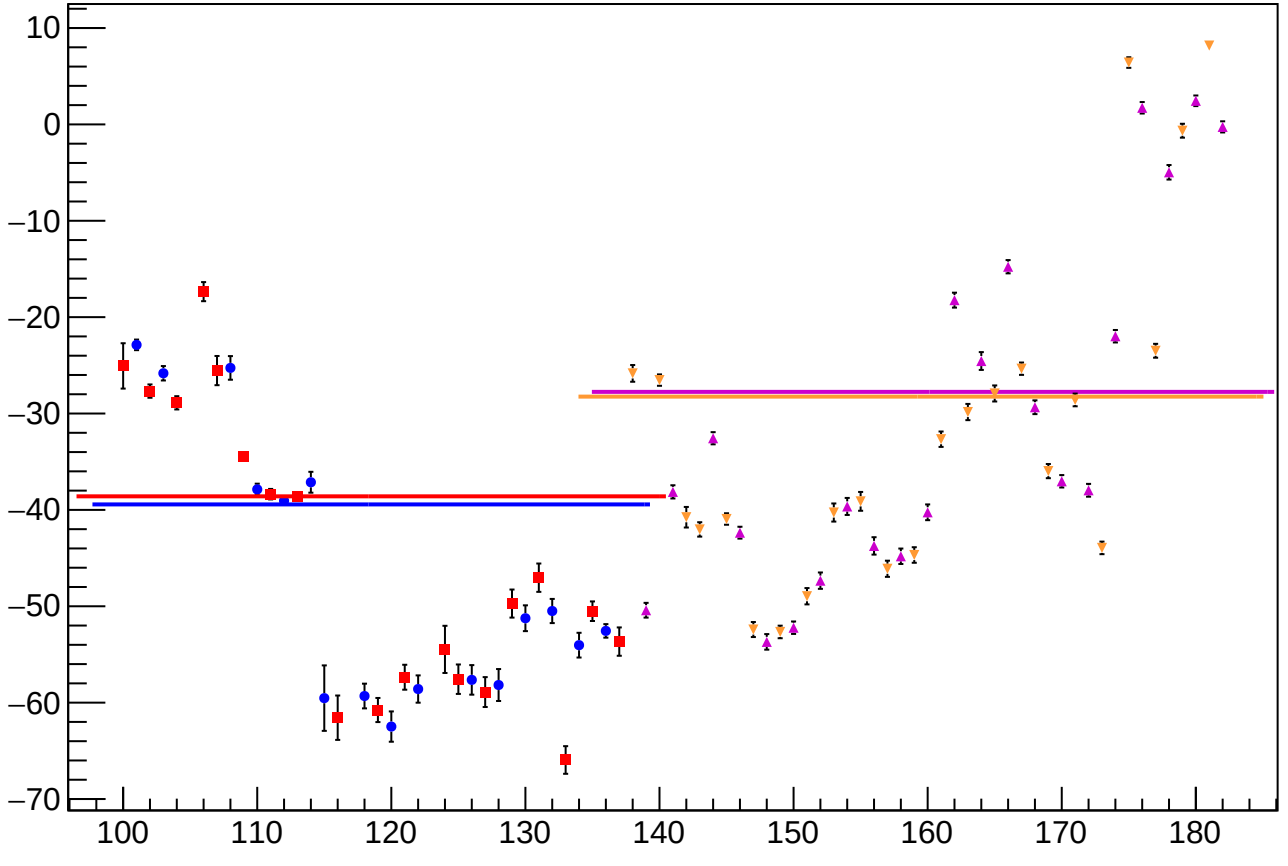
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -0.873+/-0.103 χ^2/NDF:7144.5/37

Out: -1.305+/-0.101 χ^2/NDF:8518.8/41

All: -1.093+/-0.072 χ^2/NDF: 15672.3/79

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -28.246+/-0.150 χ^2/NDF:16466.4/22

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -27.753+/-0.150 χ^2/NDF:15581.4/21

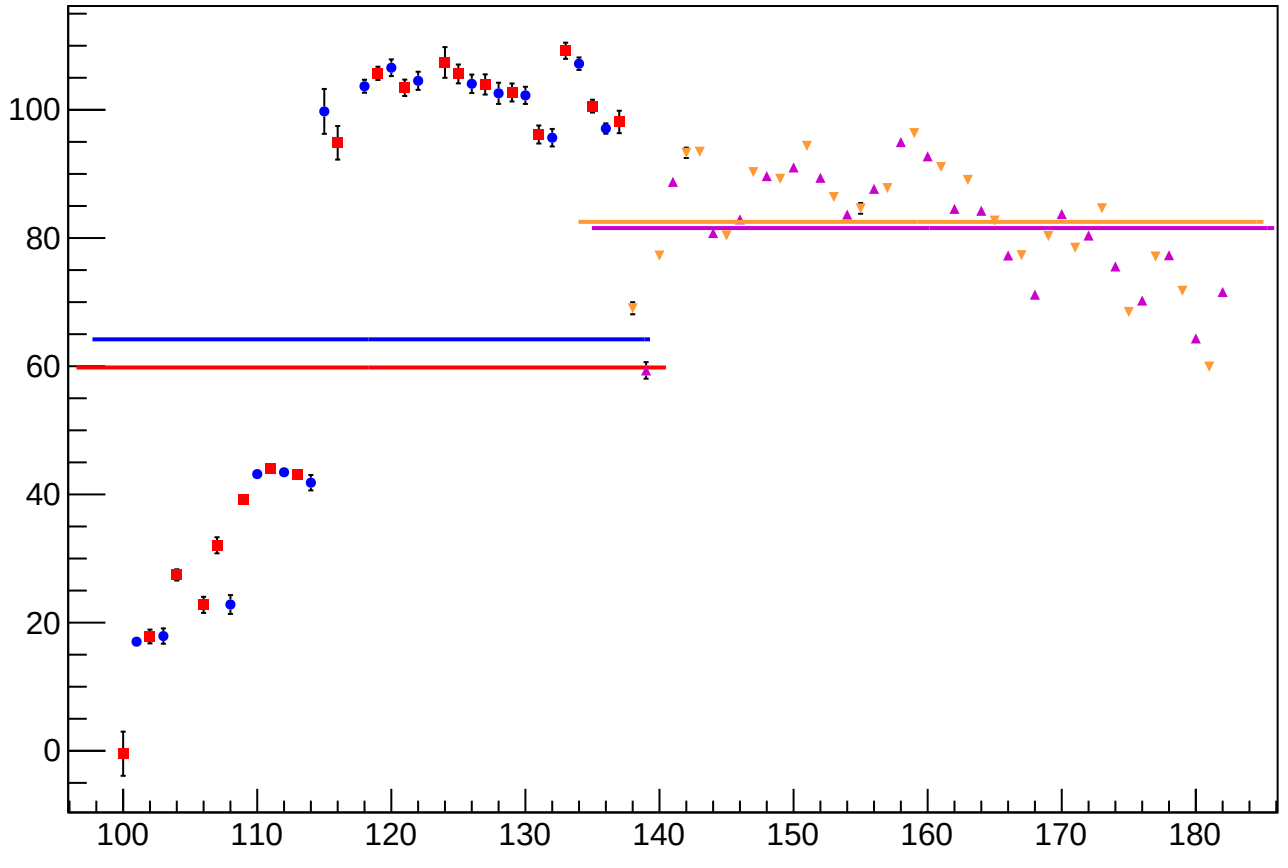
Left: -27.999+/-0.106 χ^2/NDF: 32053.2/44

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -31.324+/-0.125 χ^2/NDF:20402.2/37

Out: -31.676+/-0.122 χ^2/NDF:20822.7/41

All: -31.503+/-0.087 χ^2/NDF: 41229.0/79



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 82.523+/-0.129 χ^2/NDF:5133.4/22

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 81.554+/-0.130 χ^2/NDF:4042.1/21

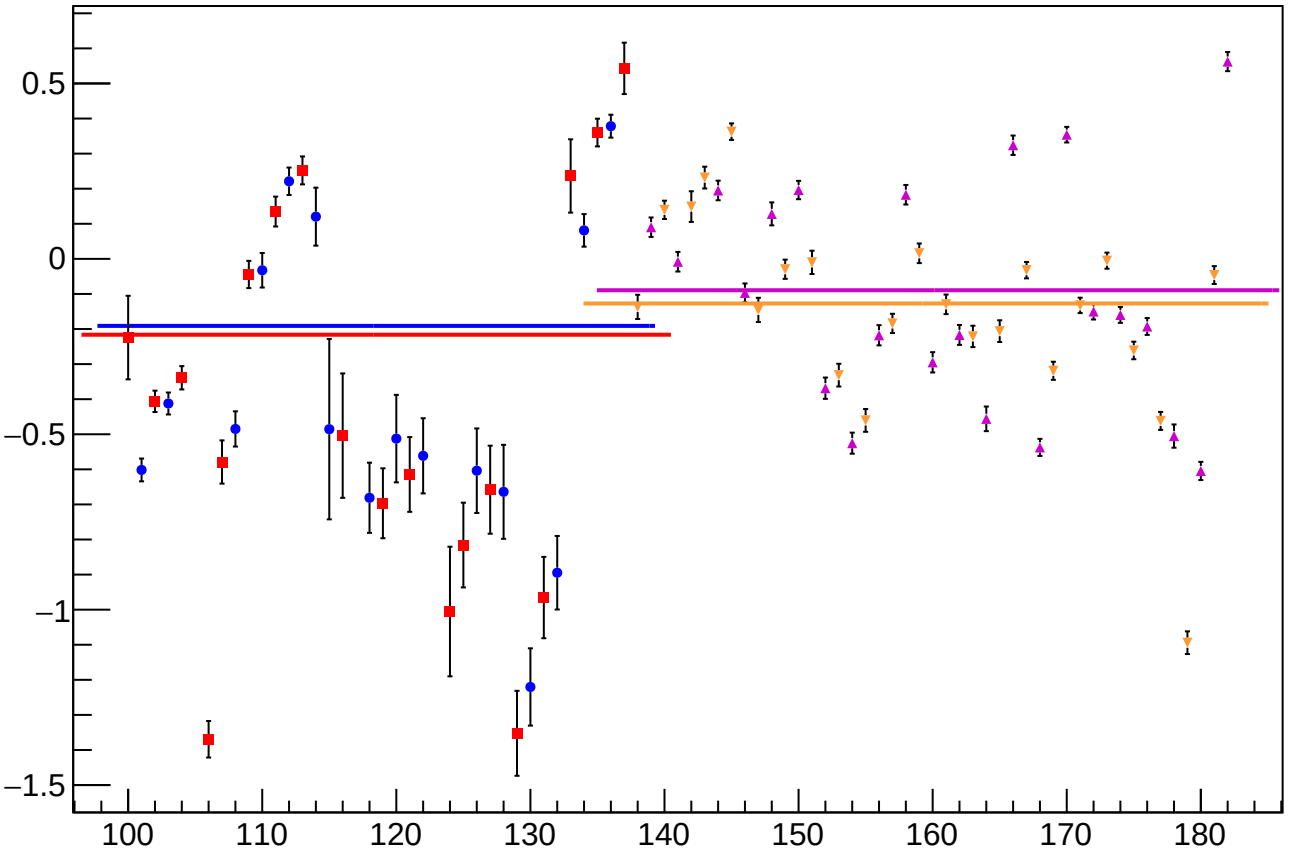
Left: 82.043+/-0.091 χ^2/NDF: 9203.6/44

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 78.032+/-0.116 χ^2/NDF:26260.5/37

Out: 77.728+/-0.114 χ^2/NDF:29145.7/41

All: 77.878+/-0.081 χ^2/NDF: 55409.7/79



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.127+/-0.006 χ^2/NDF:2131.5/22

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.089+/-0.006 χ^2/NDF:3025.4/21

Left: -0.108+/-0.004 χ^2/NDF: 5178.1/44

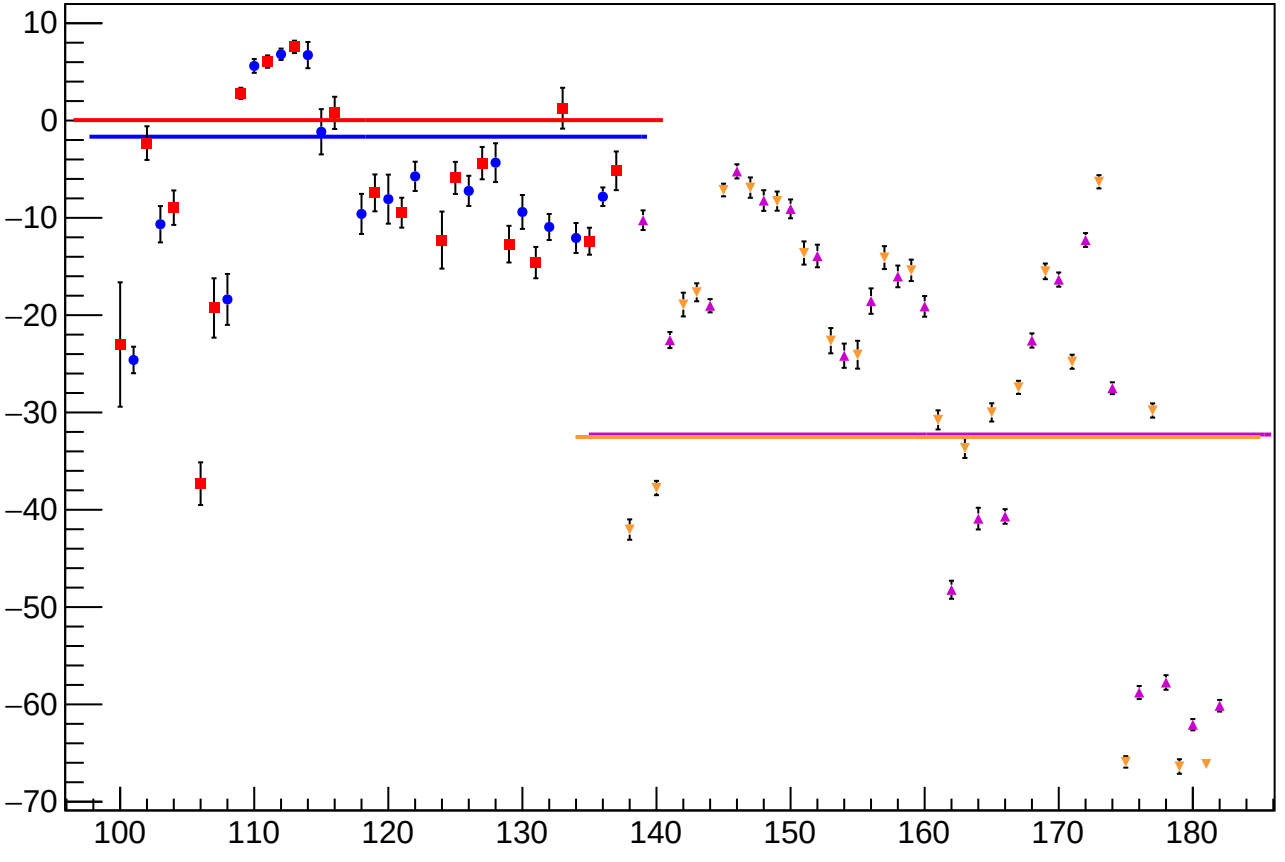
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.105+/-0.005 χ^2/NDF:3992.0/37

Out: -0.142+/-0.005 χ^2/NDF:3539.0/41

All: -0.124+/-0.004 χ^2/NDF: 7555.1/79

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: -32.518+/-0.173 χ^2/NDF:15730.6/22

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -32.268+/-0.171 χ^2/NDF:13766.5/21

Left: -32.392+/-0.122 χ^2/NDF: 29498.1/44

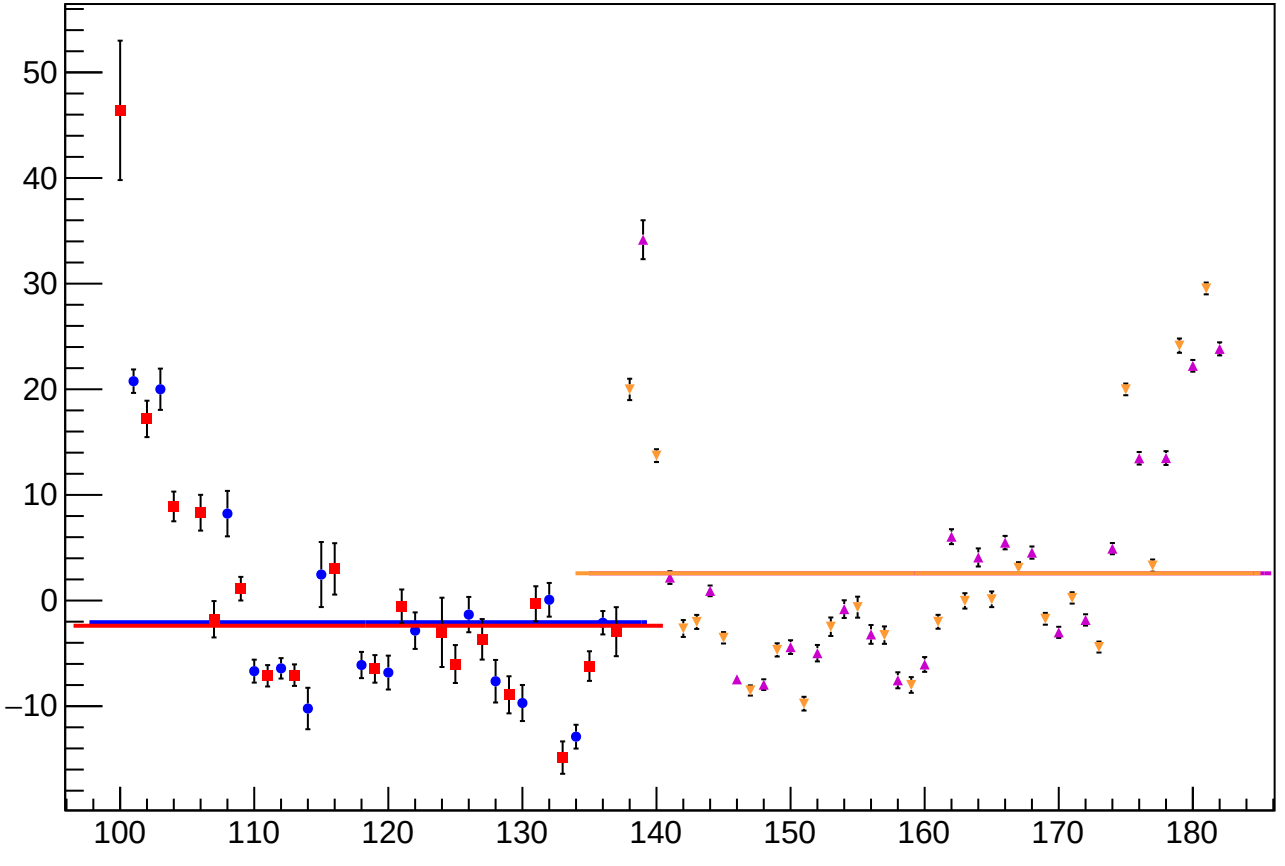
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -25.036+/-0.150 χ^2/NDF:22205.2/37

Out: -23.619+/-0.147 χ^2/NDF:26355.7/41

All: -24.316+/-0.105 χ^2/NDF: 48606.4/79

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: 2.582+/-0.132 χ^2/NDF:6817.2/22

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 2.580+/-0.132 χ^2/NDF:5180.1/21

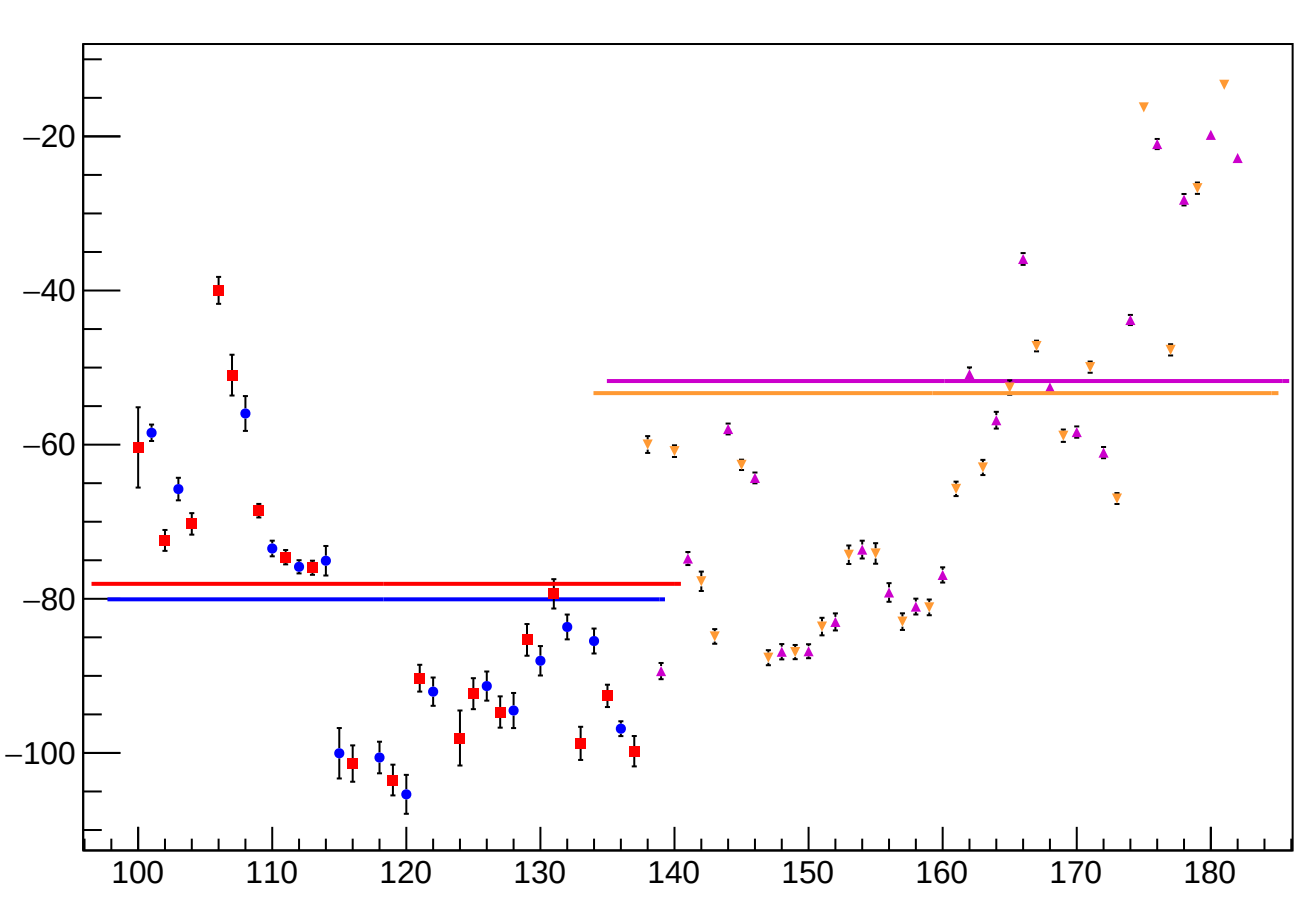
Left: 2.581+/-0.093 χ^2/NDF: 11997.3/44

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: 2.019+/-0.124 χ^2/NDF:6100.5/37

Out: 1.977+/-0.124 χ^2/NDF:7439.9/41

All: 1.998+/-0.088 χ^2/NDF: 13540.4/79



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -53.314+/-0.173 χ^2/NDF:18879.4/22

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -51.745+/-0.171 χ^2/NDF:17594.7/21

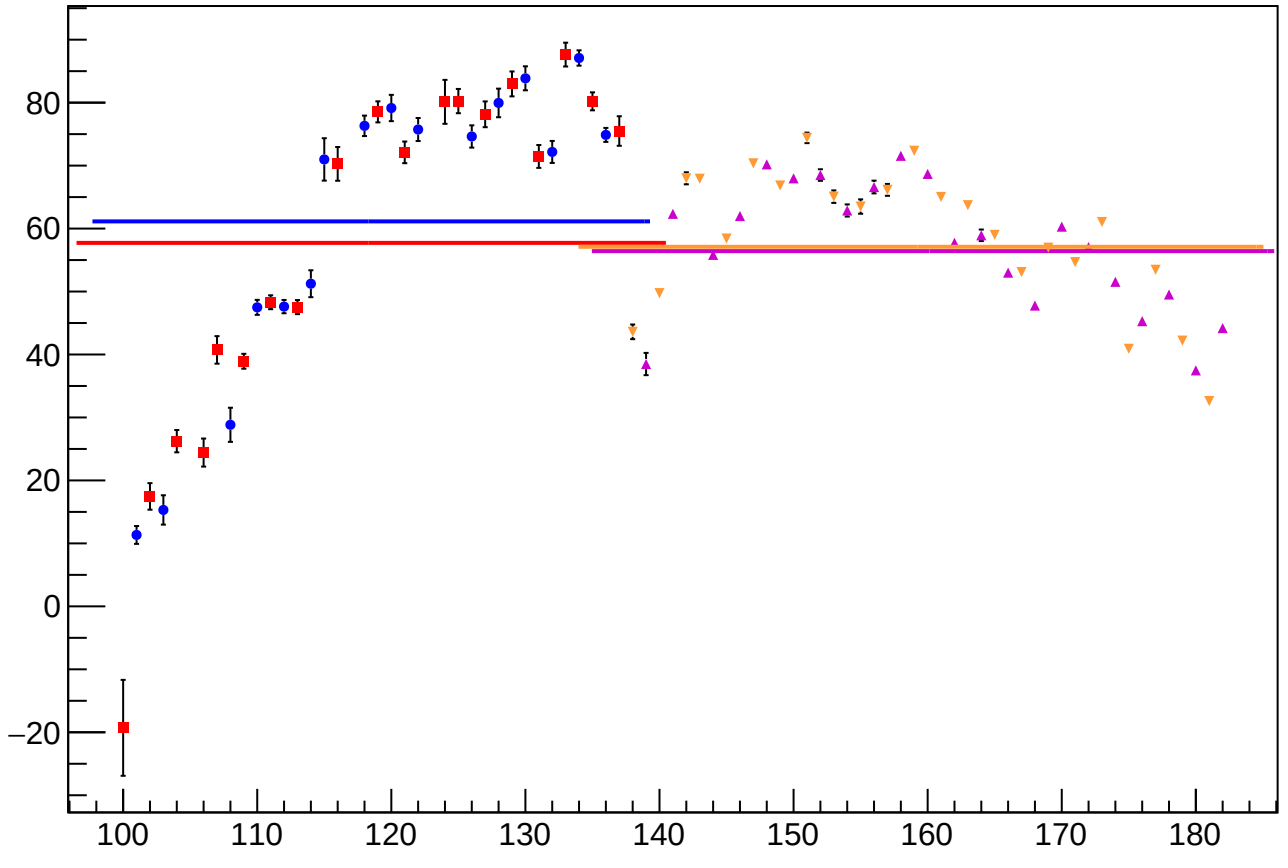
Left: -52.522+/-0.121 χ^2/NDF: 36515.9/44

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -56.850+/-0.155 χ^2/NDF:23934.3/37

Out: -58.076+/-0.155 χ^2/NDF:24397.3/41

All: -57.461+/-0.110 χ^2/NDF: 48362.9/79



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 57.107+/-0.149 χ^2/NDF:5350.0/22

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 56.420+/-0.149 χ^2/NDF:3954.3/21

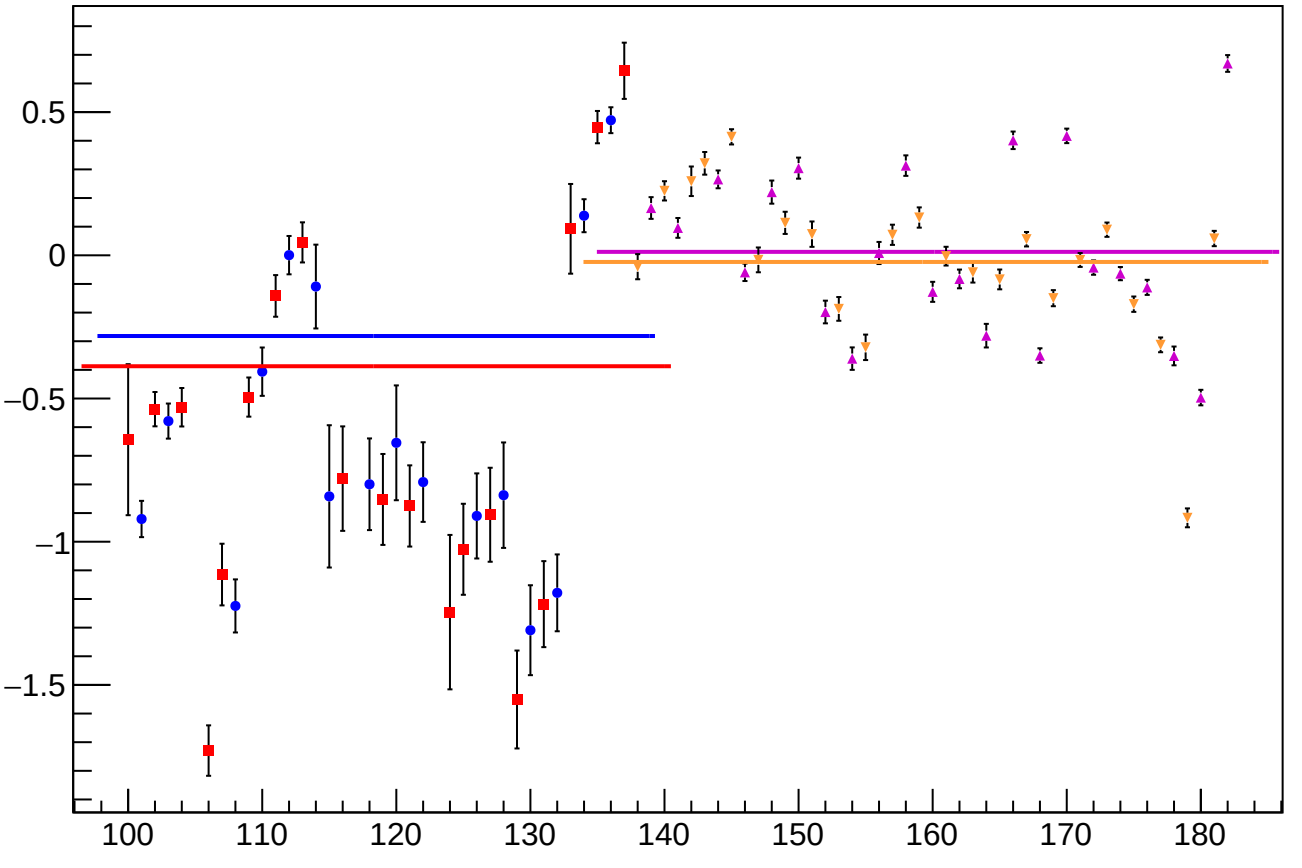
Left: 56.762+/-0.105 χ^2/NDF: 9314.9/44

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 56.991+/-0.139 χ^2/NDF:7305.5/37

Out: 57.182+/-0.140 χ^2/NDF:8127.7/41

All: 57.086+/-0.099 χ^2/NDF: 15434.2/79



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: -0.023+/-0.007 χ^2/NDF:1488.6/22

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.012+/-0.007 χ^2/NDF:2087.9/21

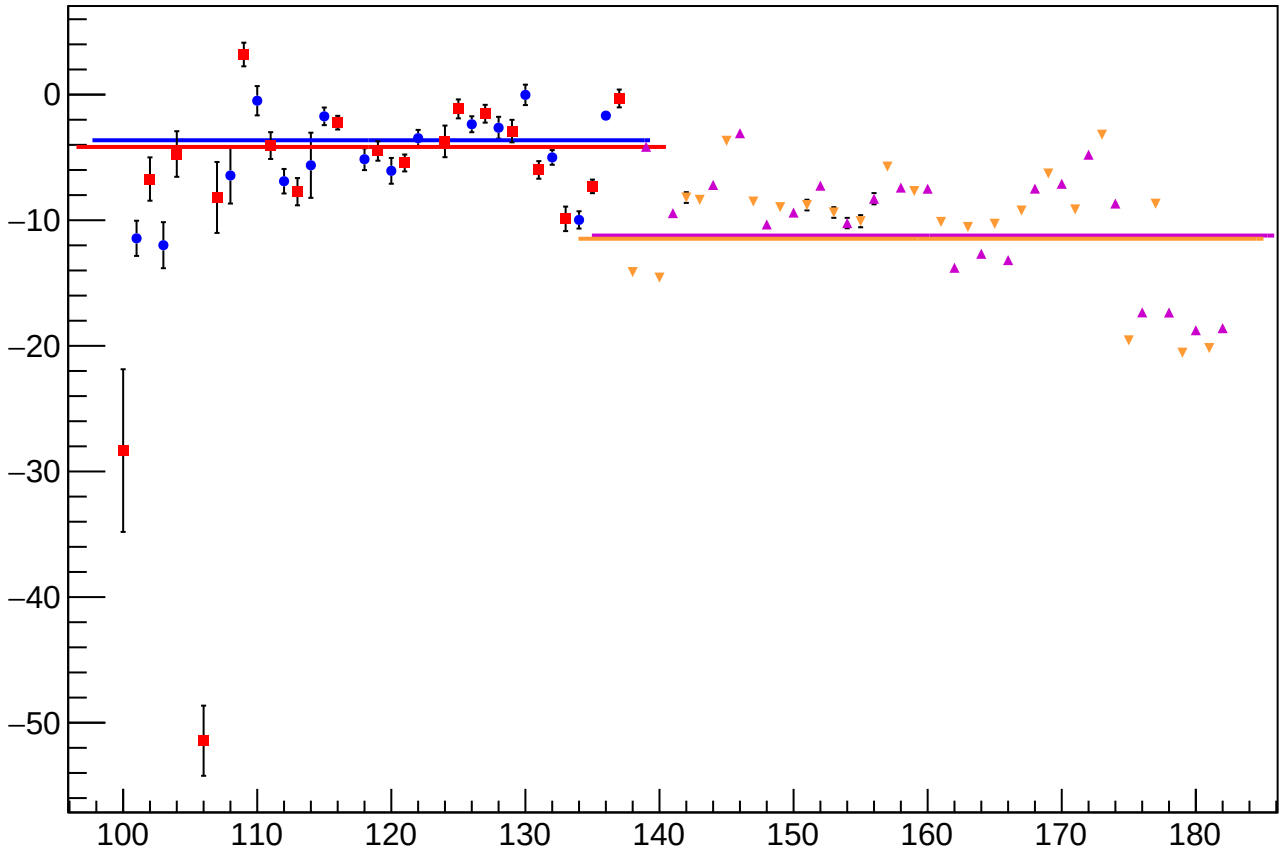
Left: -0.005+/-0.005 χ^2/NDF: 3590.3/44

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.013+/-0.006 χ^2/NDF:2984.7/37

Out: -0.055+/-0.006 χ^2/NDF:2559.8/41

All: -0.034+/-0.005 χ^2/NDF: 5565.3/79



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -11.474+/-0.055 χ^2/NDF:11016.0/22

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -11.220+/-0.055 χ^2/NDF:9133.8/21

Left: -11.345+/-0.039 χ^2/NDF: 20160.5/44

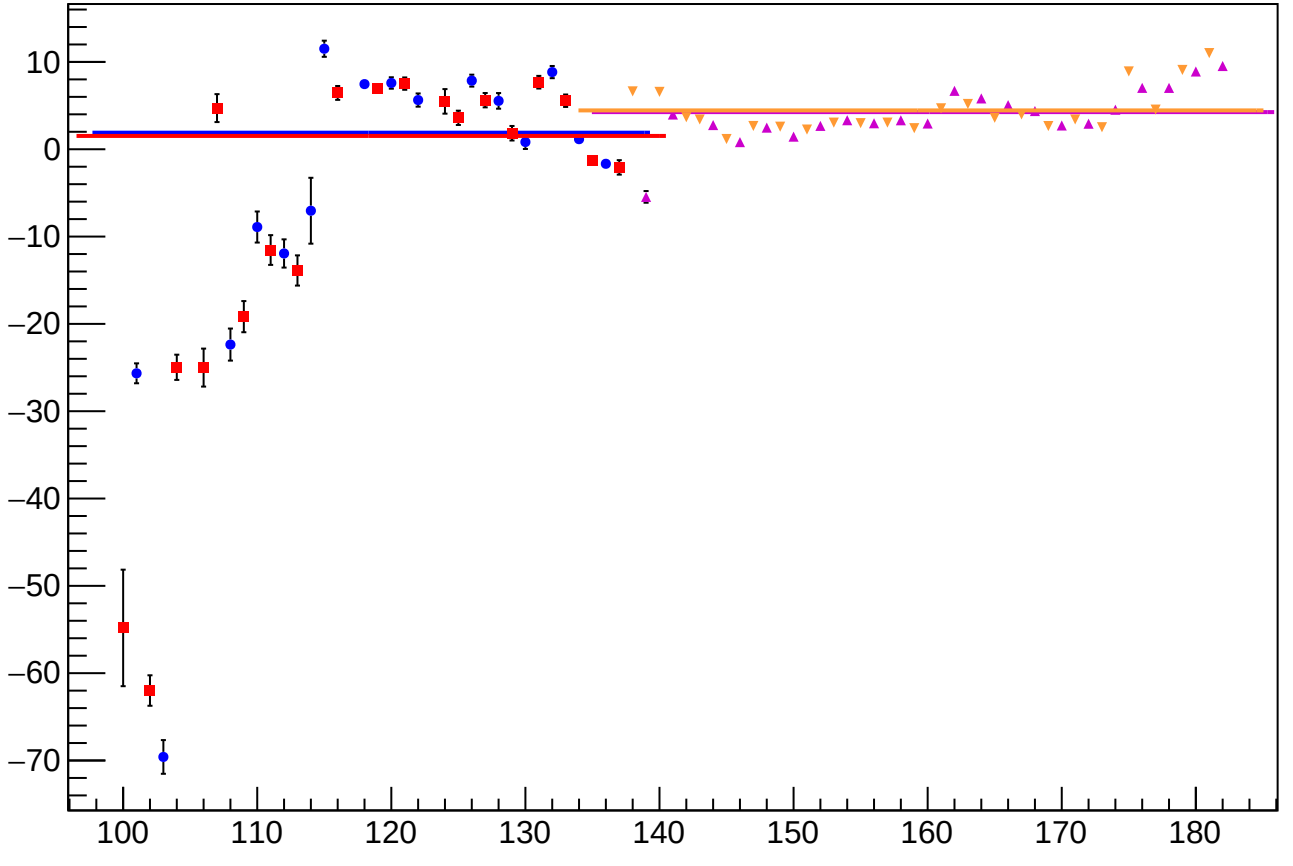
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -10.636+/-0.052 χ^2/NDF:10855.0/37

Out: -10.950+/-0.053 χ^2/NDF:12791.8/41

All: -10.790+/-0.037 χ^2/NDF: 23664.4/79

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: 4.449+/-0.043 χ^2/NDF:3812.4/22

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 4.254+/-0.042 χ^2/NDF:3501.1/21

Left: 4.350+/-0.030 χ^2/NDF: 7324.0/44

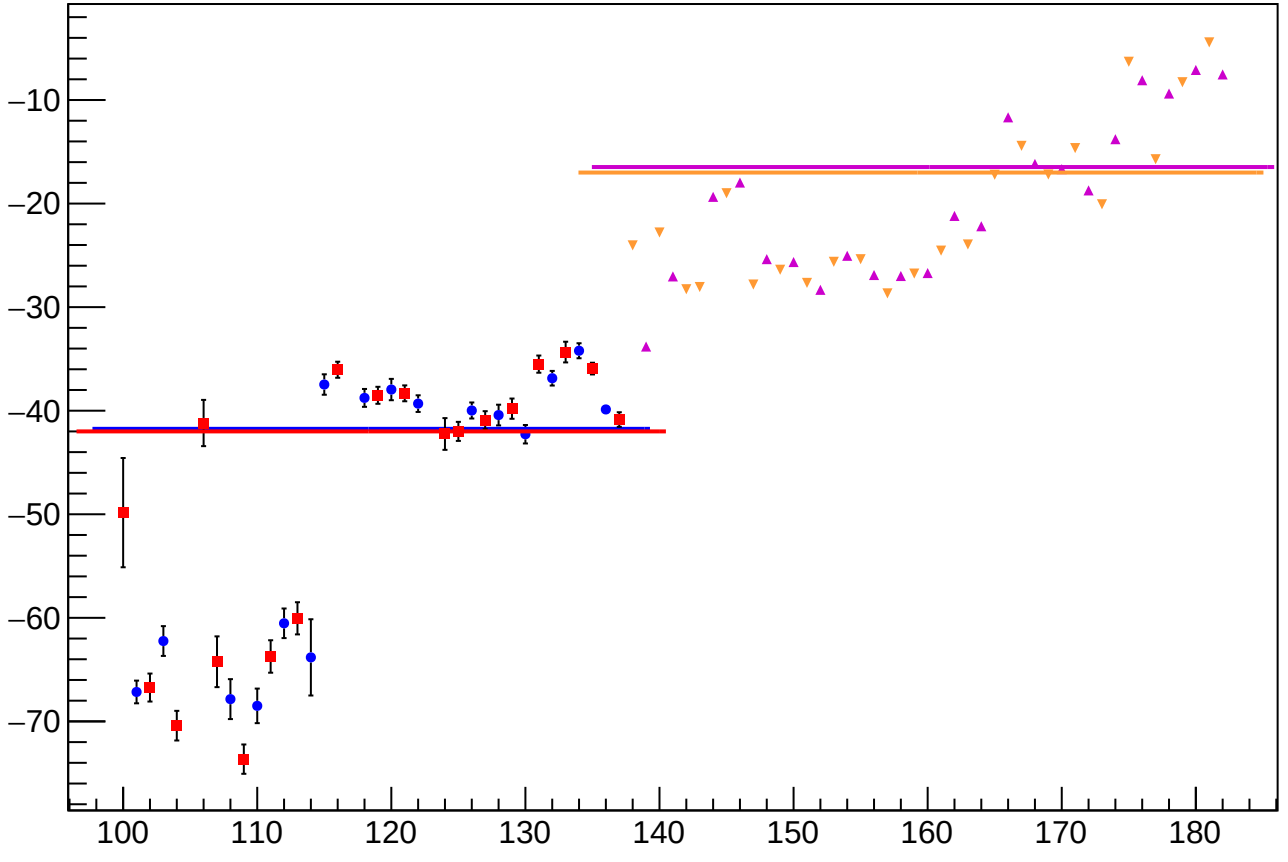
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 4.141+/-0.041 χ^2/NDF:6487.1/37

Out: 4.330+/-0.042 χ^2/NDF:6561.3/41

All: 4.234+/-0.029 χ^2/NDF: 13058.8/79

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -17.005+/-0.055 χ^2/NDF:20136.5/22

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -16.472+/-0.055 χ^2/NDF:17957.2/21

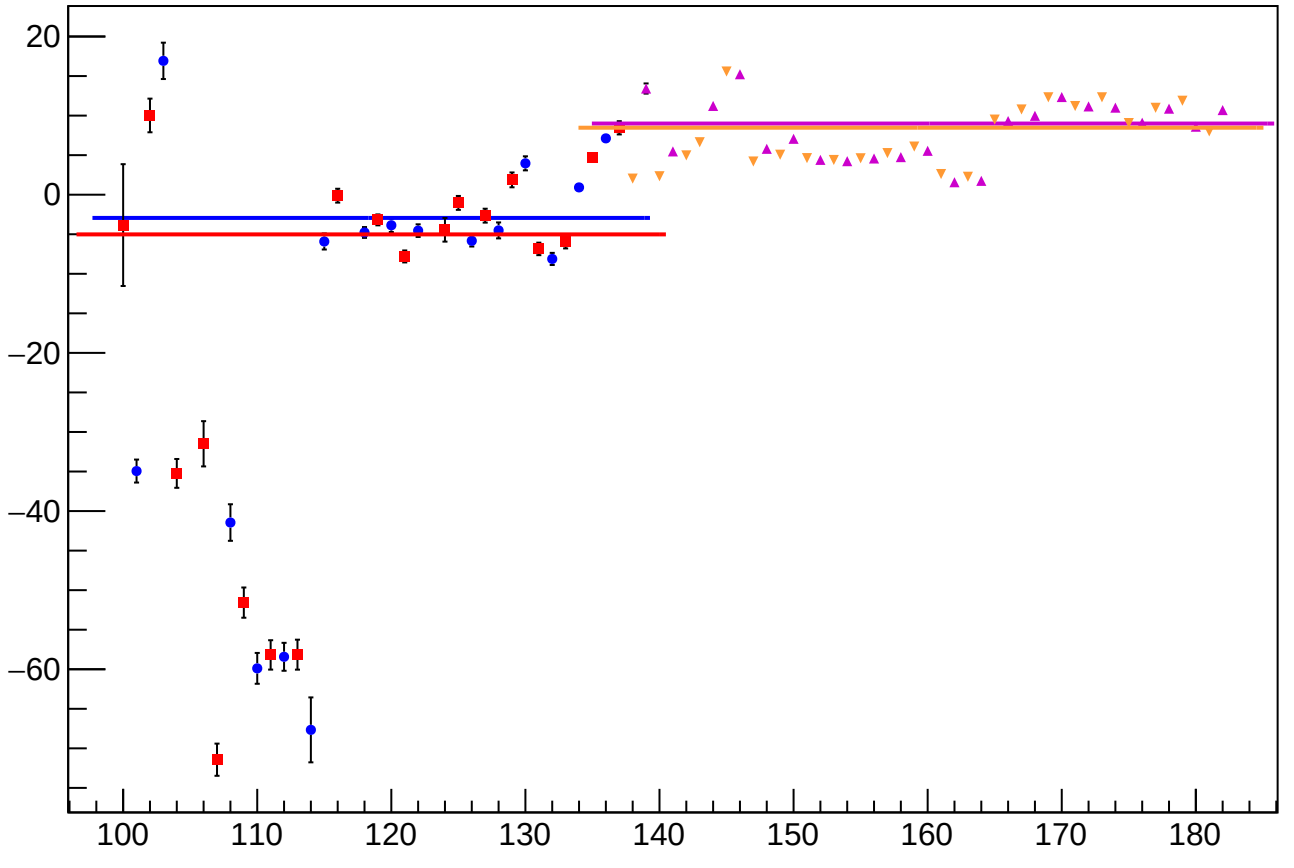
Left: -16.734+/-0.039 χ^2/NDF: 38140.6/44

Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -18.102+/-0.053 χ^2/NDF:33458.9/37

Out: -18.396+/-0.054 χ^2/NDF:33443.8/41

All: -18.246+/-0.038 χ^2/NDF: 66918.0/79



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.468+/-0.048 χ^2/NDF:6371.5/22

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 8.996+/-0.047 χ^2/NDF:5477.6/21

Left: 8.735+/-0.034 χ^2/NDF: 11910.3/44

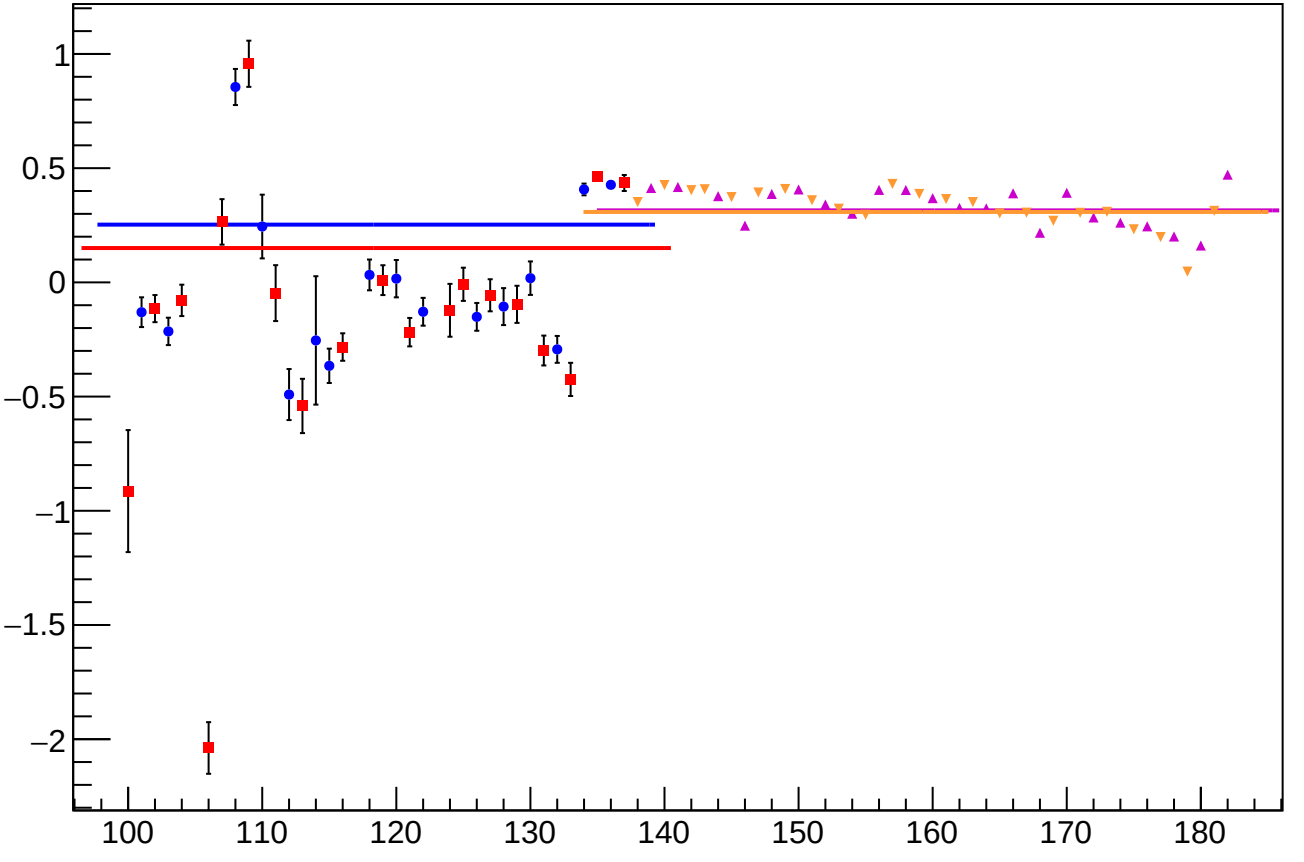
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 8.414+/-0.046 χ^2/NDF:12284.2/37

Out: 7.913+/-0.047 χ^2/NDF:13994.4/41

All: 8.167+/-0.033 χ^2/NDF: 26336.1/79

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: 0.308+/-0.002 χ^2/NDF:1507.1/22

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.315+/-0.002 χ^2/NDF:1642.6/21

Left: 0.312+/-0.002 χ^2/NDF: 3154.9/44

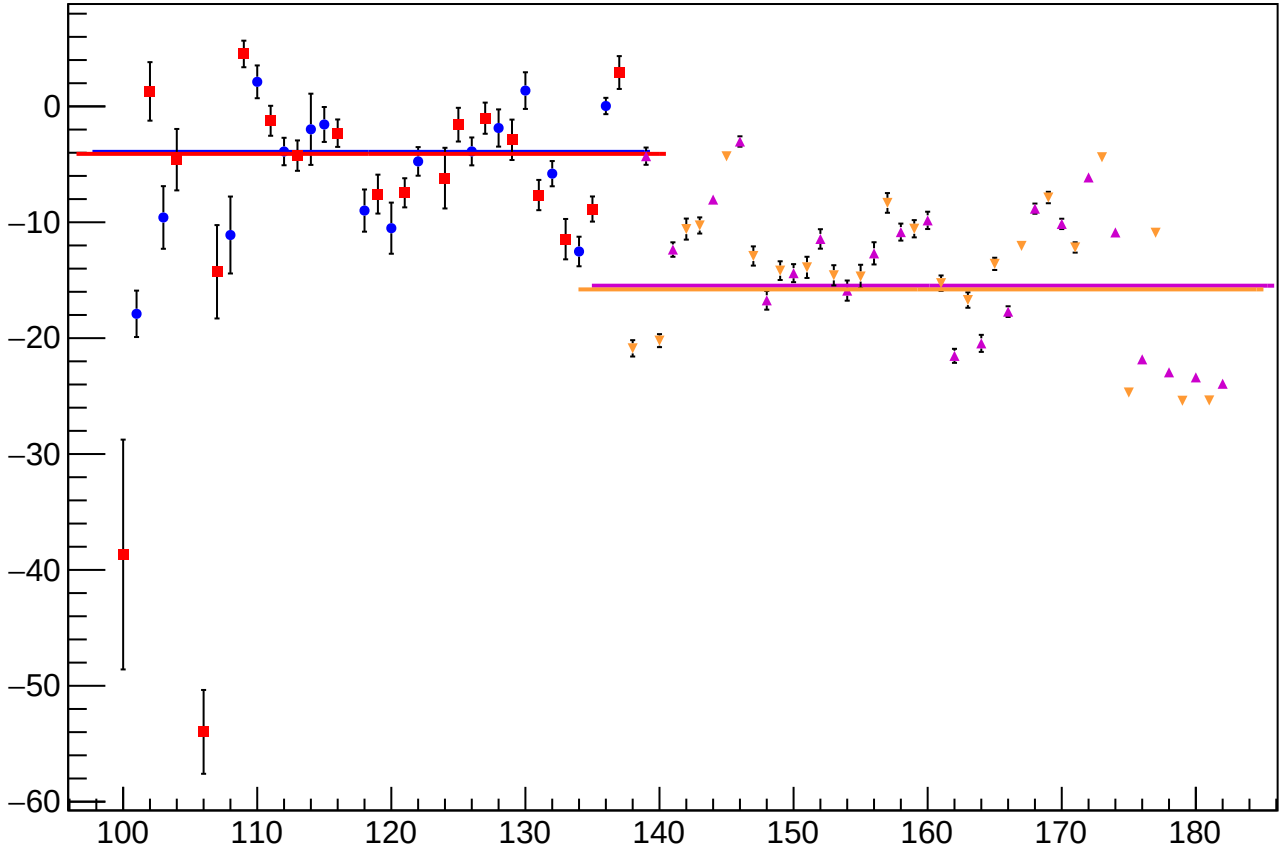
Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.313+/-0.002 χ^2/NDF:2302.2/37

Out: 0.304+/-0.002 χ^2/NDF:2661.6/41

All: 0.309+/-0.001 χ^2/NDF: 4972.6/79

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -15.793+/-0.106 χ^2/NDF:5108.1/22

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -15.472+/-0.103 χ^2/NDF:4719.8/21

Left: -15.629+/-0.074 χ^2/NDF: 9832.6/44

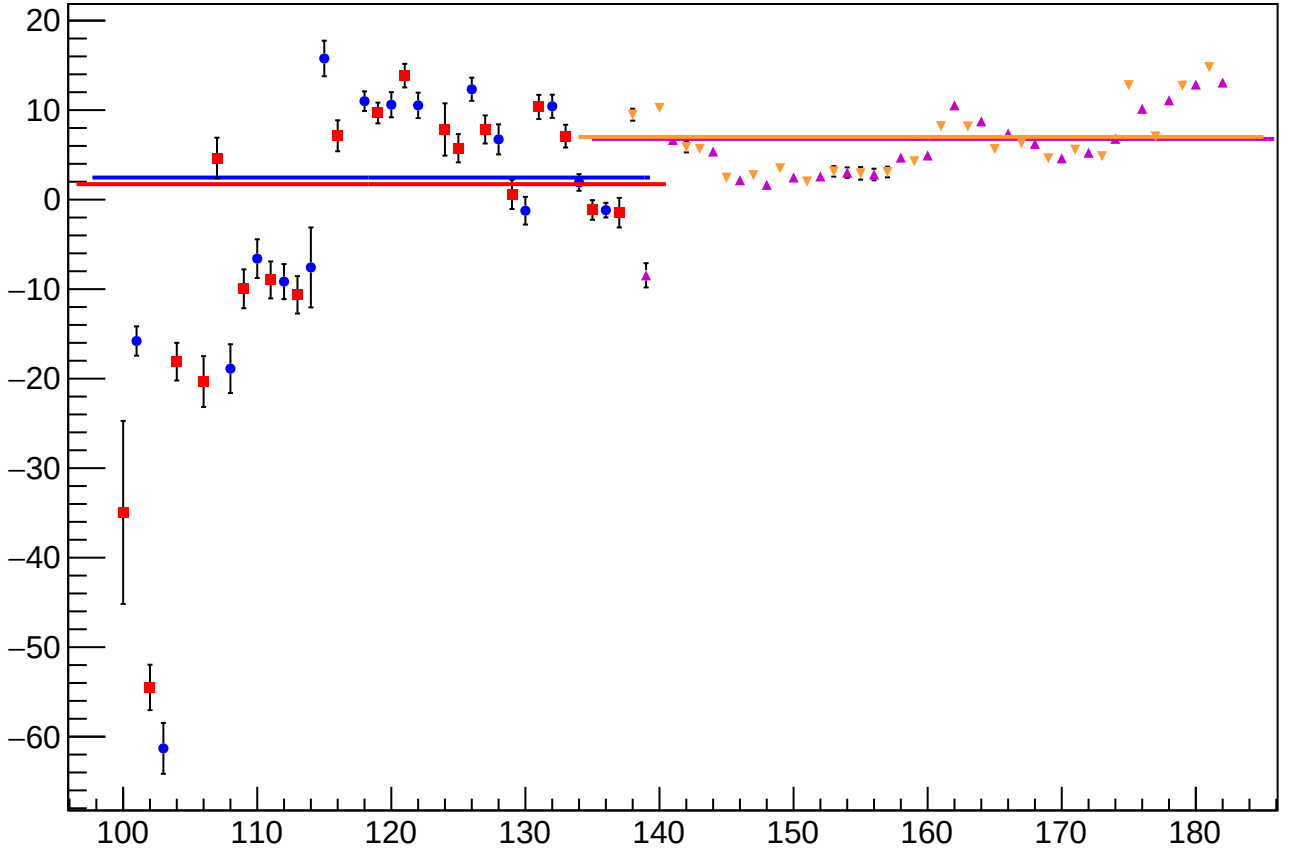
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -14.525+/-0.099 χ^2/NDF:5931.1/37

Out: -14.844+/-0.102 χ^2/NDF:6462.3/41

All: -14.680+/-0.071 χ^2/NDF: 12398.4/79

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: 7.008+/-0.084 χ^2/NDF:2161.1/22

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 6.783+/-0.082 χ^2/NDF:2115.8/21

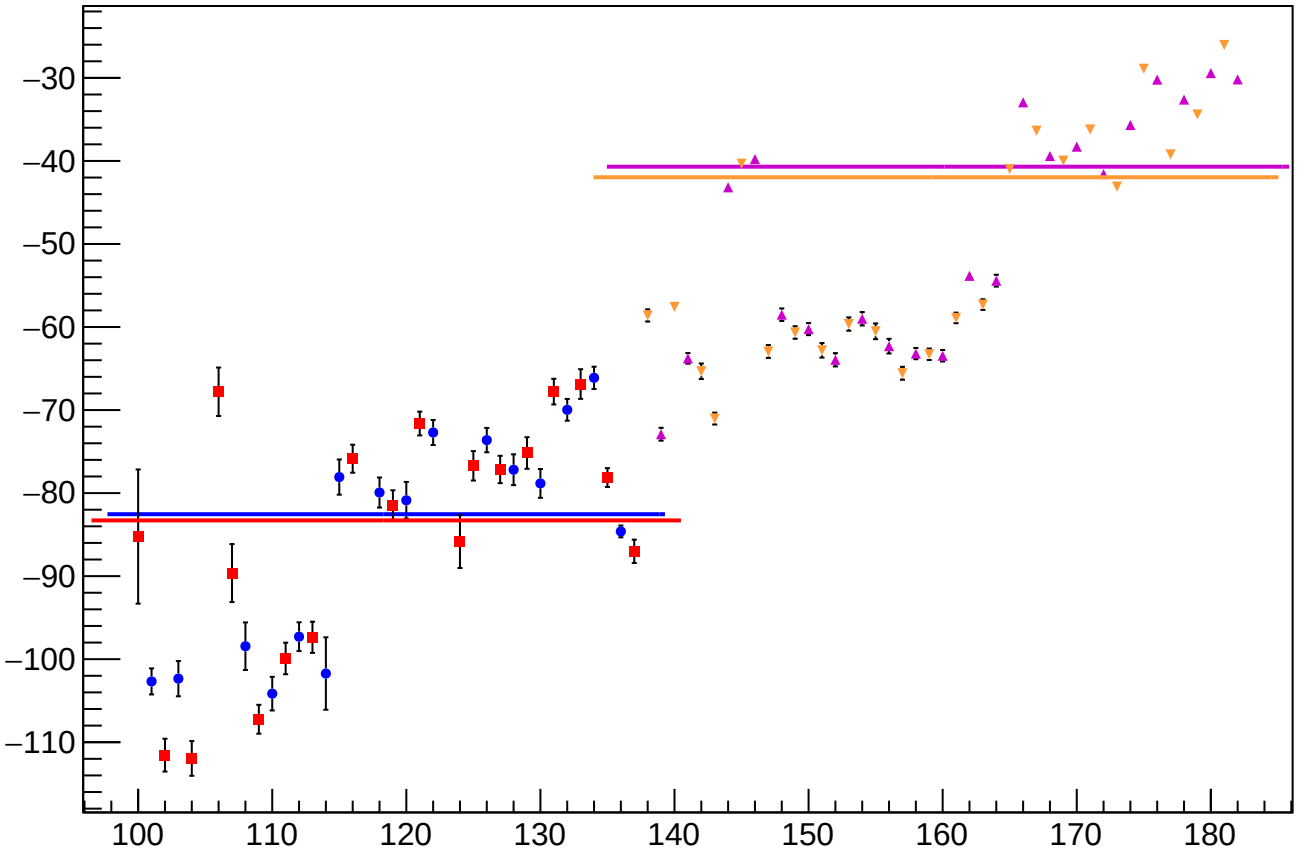
Left: 6.893+/-0.059 χ^2/NDF: 4280.6/44

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 6.567+/-0.080 χ^2/NDF:3301.7/37

Out: 6.771+/-0.082 χ^2/NDF:3322.8/41

All: 6.666+/-0.057 χ^2/NDF: 6627.6/79



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -41.965+/-0.106 χ^2/NDF:15091.8/22

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -40.692+/-0.104 χ^2/NDF:13538.9/21

Left: -41.312+/-0.074 χ^2/NDF: 28704.2/44

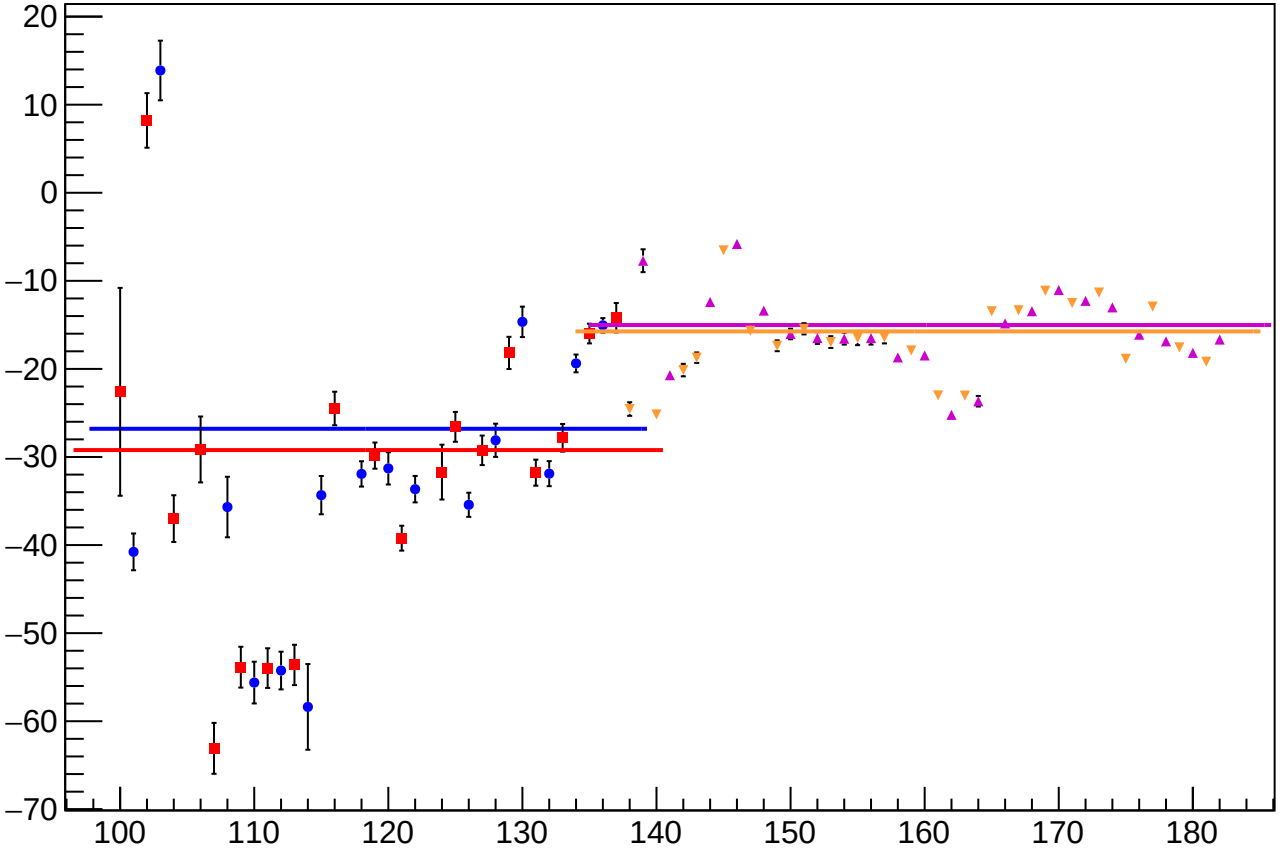
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -43.527+/-0.100 χ^2/NDF:25432.8/37

Out: -44.520+/-0.103 χ^2/NDF:25520.5/41

All: -44.009+/-0.072 χ^2/NDF: 51001.2/79

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.740+/-0.093 χ^2/NDF:2350.9/22

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -15.018+/-0.091 χ^2/NDF:2146.5/21

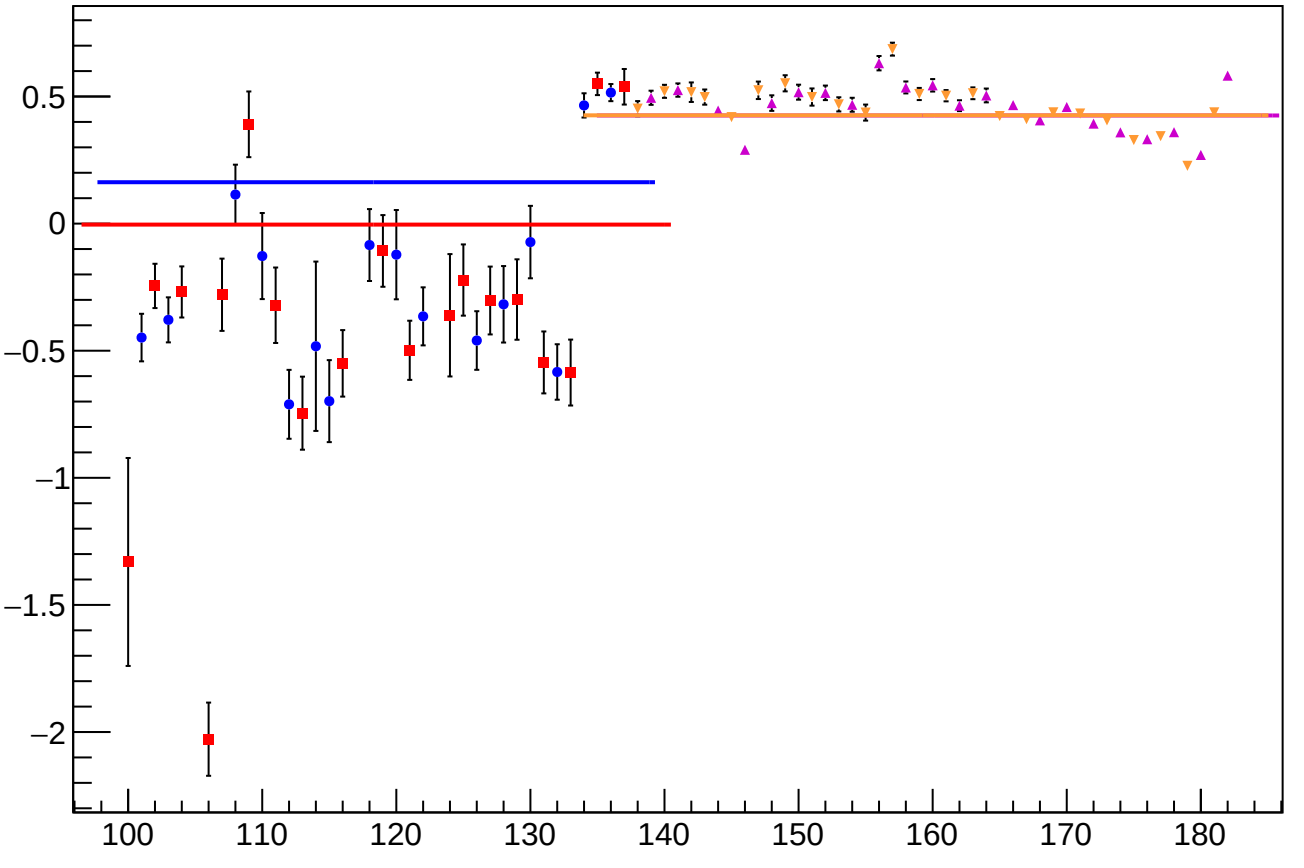
Left: -15.371+/-0.065 χ^2/NDF: 4528.0/44

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.613+/-0.089 χ^2/NDF:3951.7/37

Out: -16.345+/-0.091 χ^2/NDF:4244.8/41

All: -15.969+/-0.064 χ^2/NDF: 8229.5/79



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.426+/-0.004 χ^2/NDF:406.5/22

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.425+/-0.004 χ^2/NDF:527.7/21

Left: 0.426+/-0.003 χ^2/NDF: 934.1/44

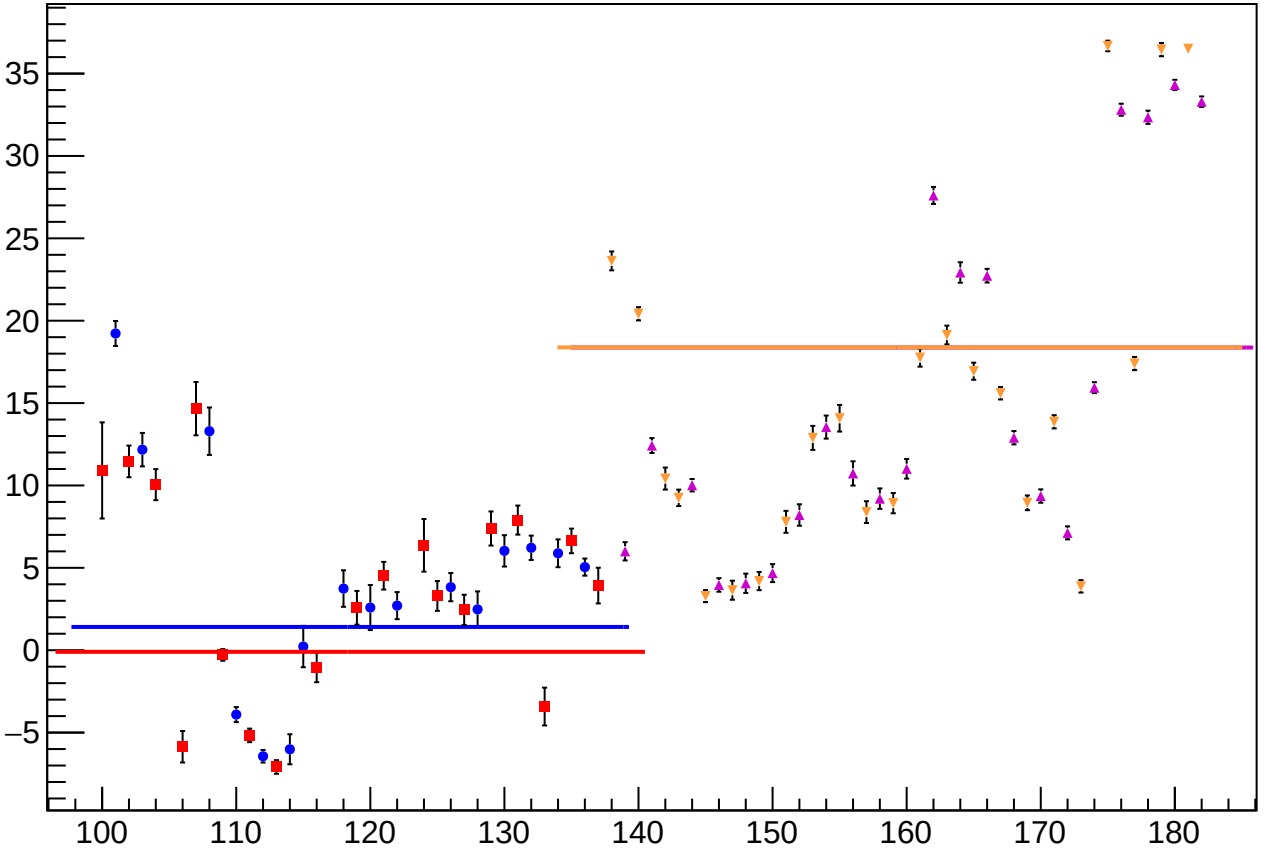
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.416+/-0.004 χ^2/NDF:1095.4/37

Out: 0.414+/-0.004 χ^2/NDF:1281.1/41

All: 0.415+/-0.003 χ^2/NDF: 2376.7/79

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: 18.382+/-0.095 χ^2/NDF:16089.0/22

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 18.373+/-0.094 χ^2/NDF:13939.8/21

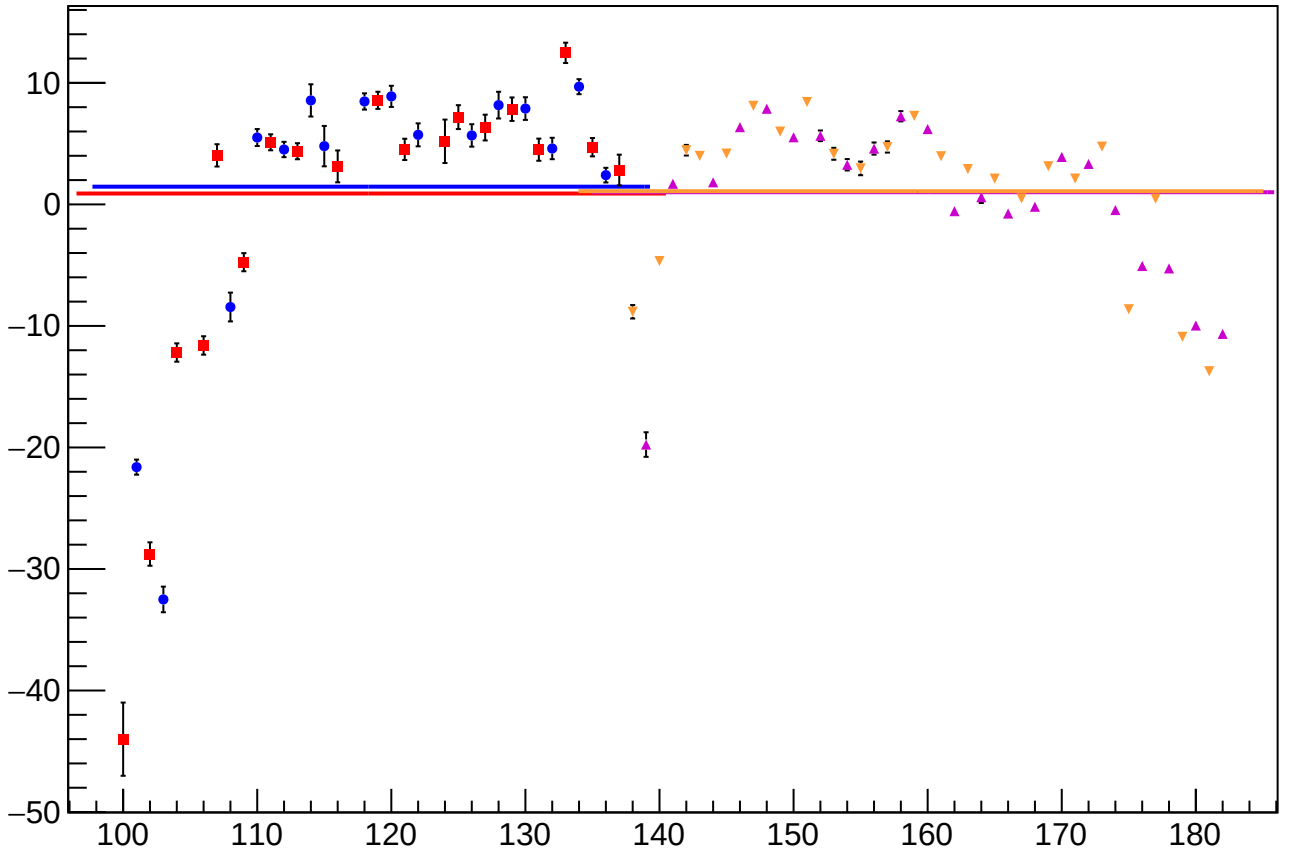
Left: 18.377+/-0.067 χ^2/NDF: 30028.8/44

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 14.815+/-0.084 χ^2/NDF:22243.0/37

Out: 13.871+/-0.083 χ^2/NDF:26448.7/41

All: 14.337+/-0.059 χ^2/NDF: 48756.0/79



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 1.087+/-0.073 χ^2/NDF:7334.6/22

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 1.001+/-0.073 χ^2/NDF:5751.5/21

Left: 1.044+/-0.052 χ^2/NDF: 13086.7/44

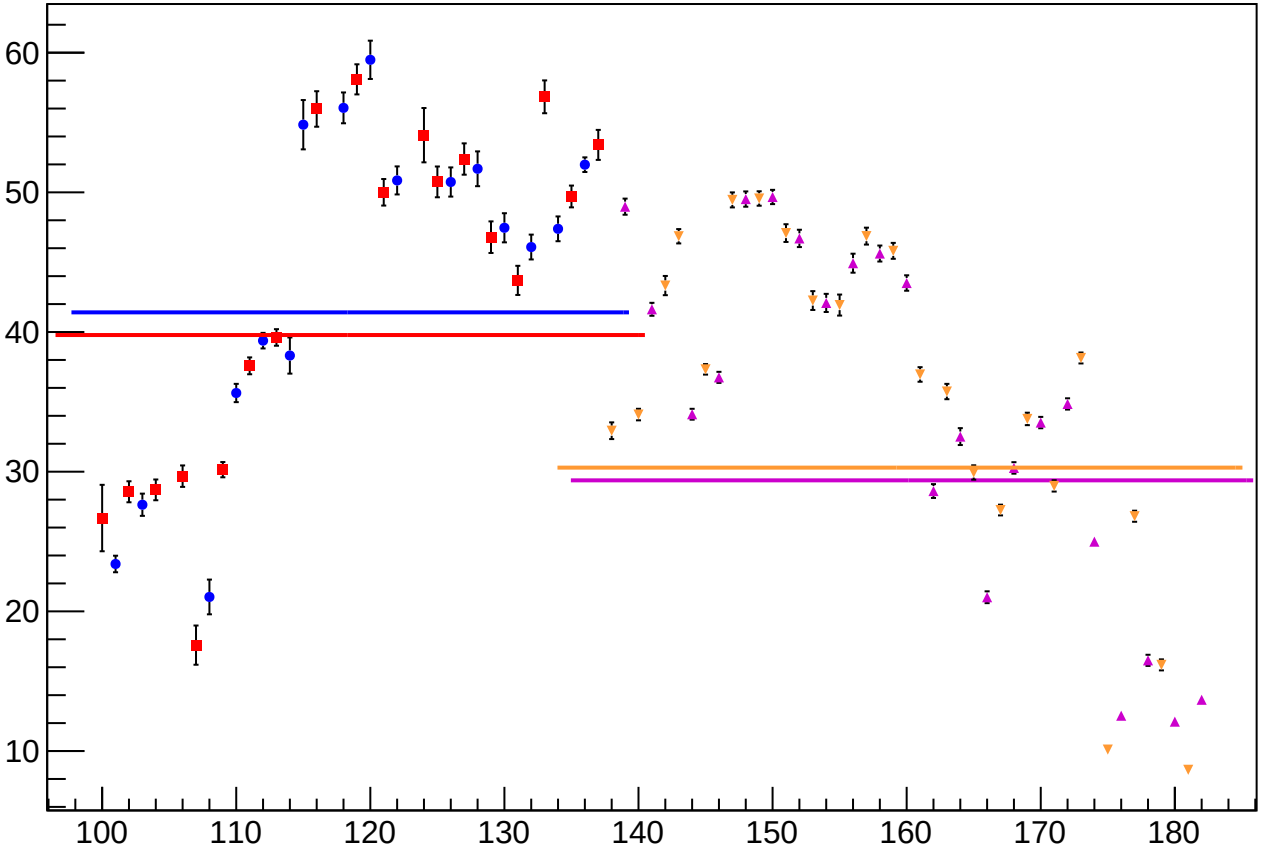
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 1.054+/-0.069 χ^2/NDF:8836.2/37

Out: 1.065+/-0.069 χ^2/NDF:9712.5/41

All: 1.059+/-0.049 χ^2/NDF: 18548.7/79

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 30.291+/-0.095 χ^2/NDF:19037.3/22

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 29.380+/-0.094 χ^2/NDF:17841.9/21

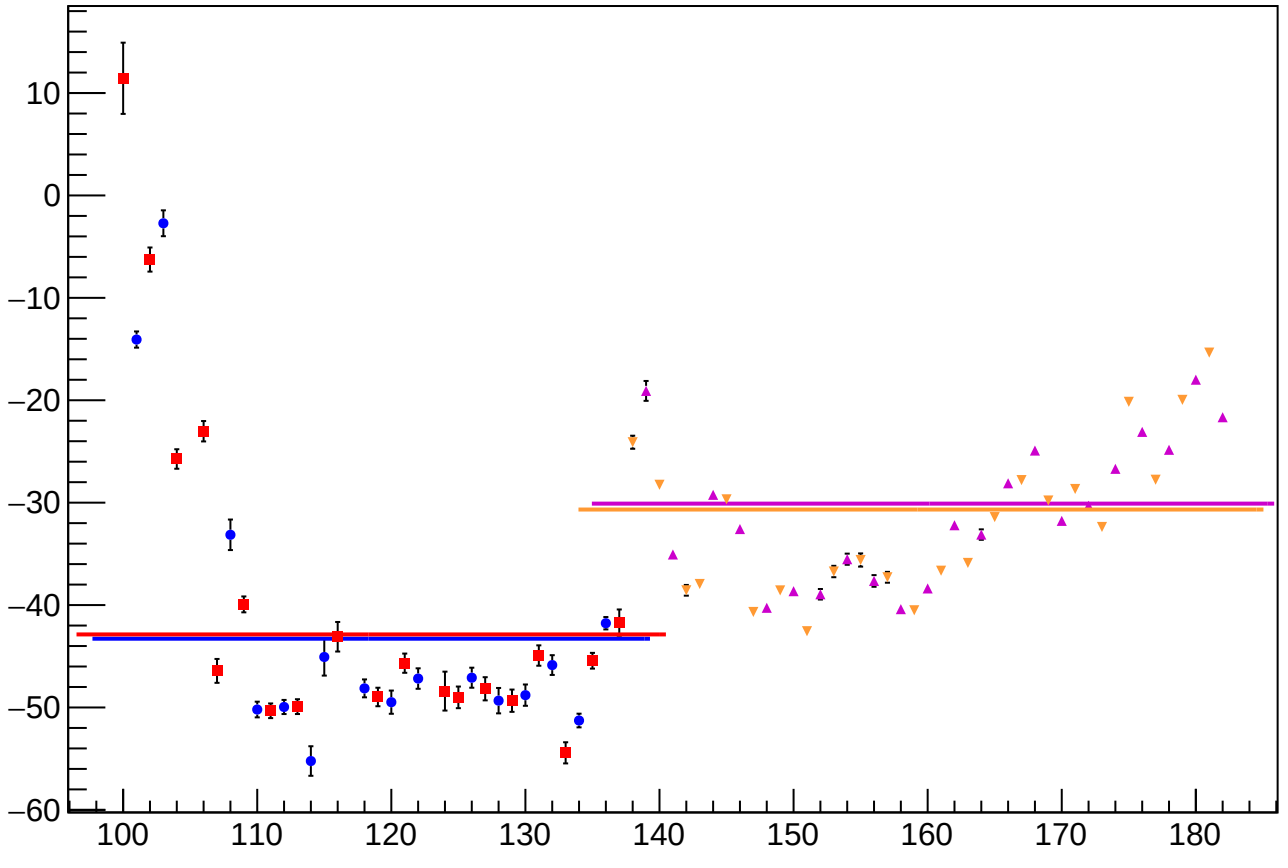
Left: 29.831+/-0.067 χ^2/NDF: 36925.6/44

Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 31.381+/-0.086 χ^2/NDF:23305.5/37

Out: 31.999+/-0.086 χ^2/NDF:23486.7/41

All: 31.690+/-0.061 χ^2/NDF: 46818.0/79



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -30.672+/-0.082 χ^2/NDF:7984.5/22

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -30.094+/-0.082 χ^2/NDF:6024.5/21

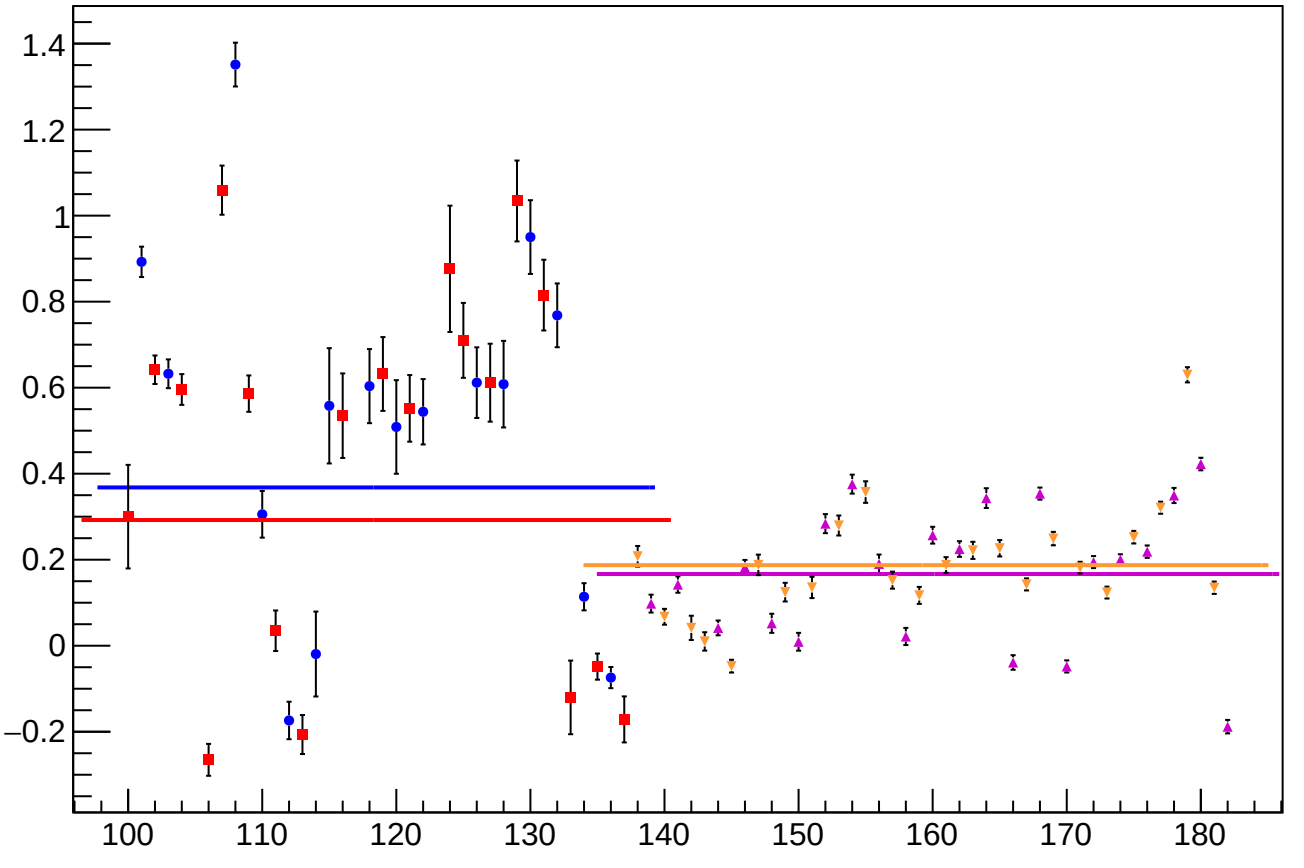
Left: -30.382+/-0.058 χ^2/NDF: 14033.7/44

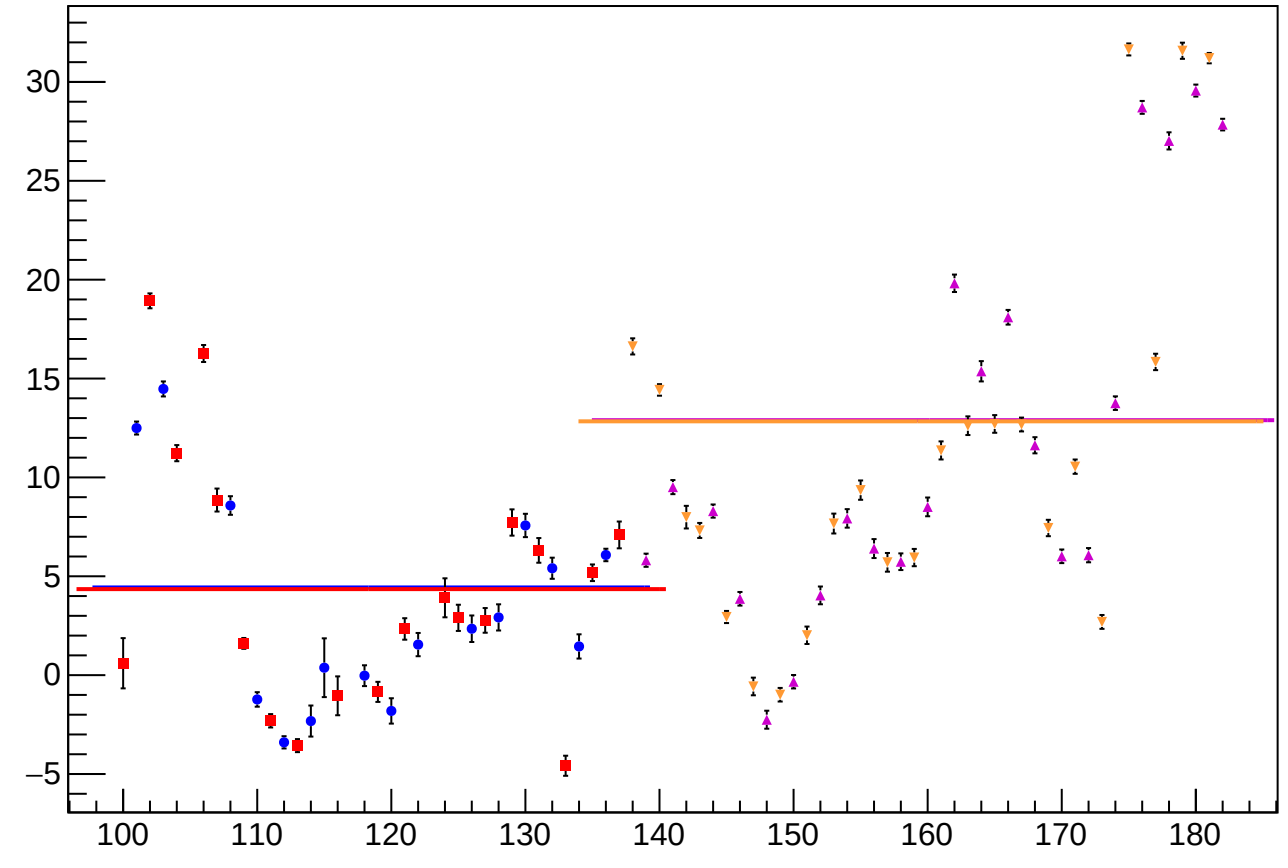
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -31.590+/-0.077 χ^2/NDF:11943.3/37

Out: -32.066+/-0.077 χ^2/NDF:12950.0/41

All: -31.827+/-0.055 χ^2/NDF: 24912.3/79


reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.368+/-0.012 χ²/NDF: 1320.9/15
Left Out: 0.187+/-0.004 χ²/NDF:1280.5/22
Right Out: 0.292+/-0.012 χ²/NDF: 1199.2/18
Left In: 0.167+/-0.004 χ²/NDF:1917.3/21
Left: 0.177+/-0.003 χ²/NDF: 3213.4/44
Right: 0.330+/-0.009 χ²/NDF: 2539.6/34
In: 0.183+/-0.004 χ²/NDF:3487.8/37
Out: 0.196+/-0.004 χ²/NDF:2548.4/41
All: 0.190+/-0.002 χ²/NDF: 6042.9/79



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 12.836+/-0.080 χ^2/NDF:17133.9/22

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 12.894+/-0.080 χ^2/NDF:15358.0/21

Left: 12.865+/-0.057 χ^2/NDF: 32492.2/44

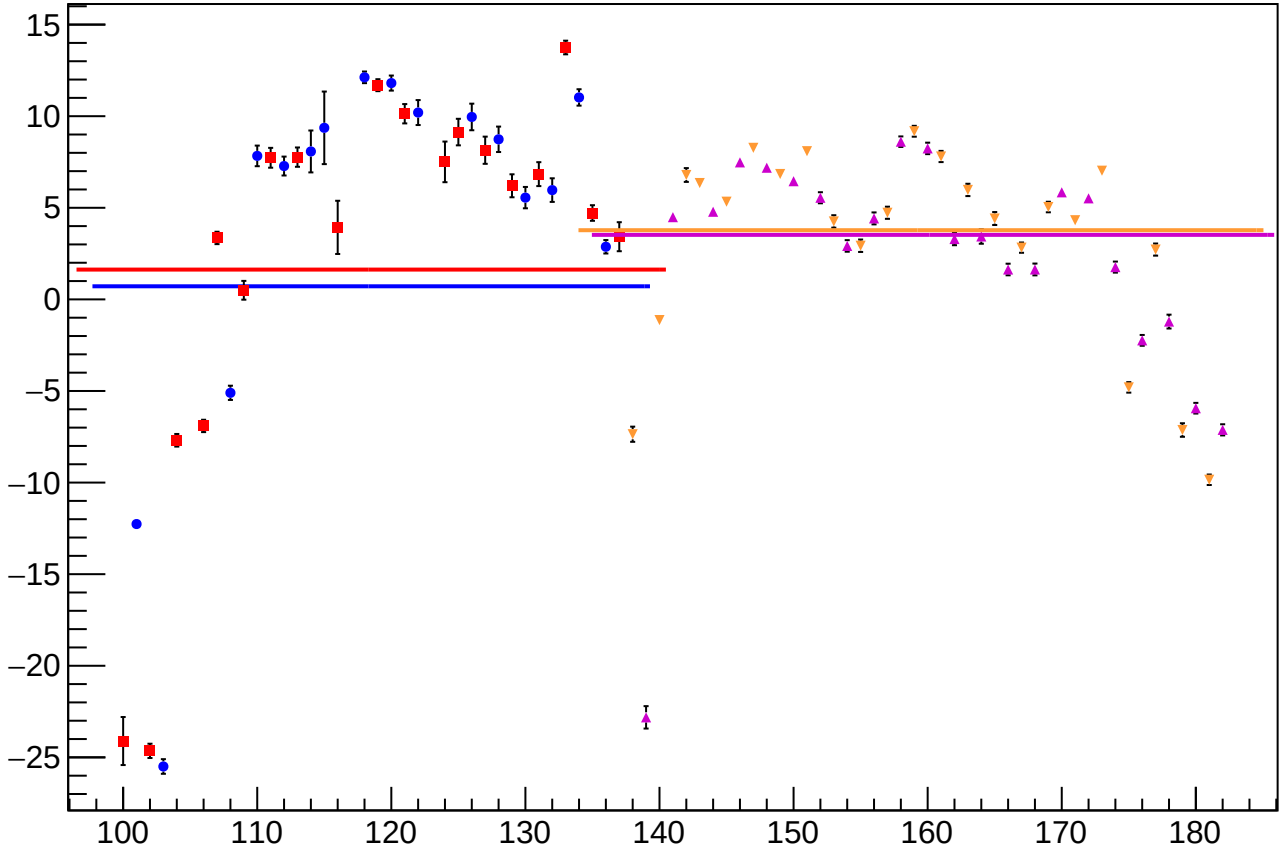
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 10.190+/-0.066 χ^2/NDF:21538.7/37

Out: 9.865+/-0.065 χ^2/NDF:25270.6/41

All: 10.024+/-0.046 χ^2/NDF: 46821.7/79

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: 3.776+/-0.060 χ^2/NDF:7069.1/22

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 3.522+/-0.061 χ^2/NDF:6344.1/21

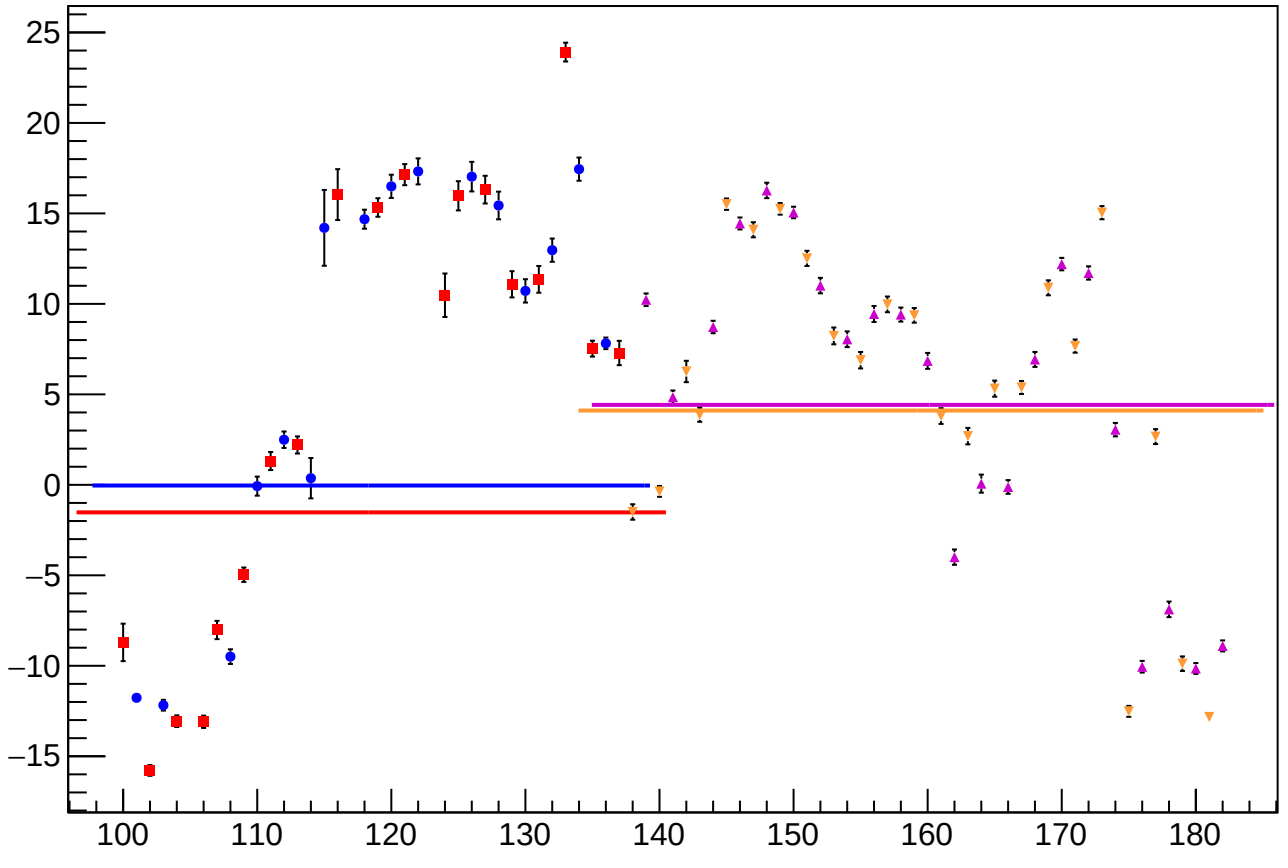
Left: 3.652+/-0.043 χ^2/NDF: 13422.0/44

Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 2.907+/-0.054 χ^2/NDF:17256.0/37

Out: 3.289+/-0.053 χ^2/NDF:16614.5/41

All: 3.103+/-0.038 χ^2/NDF: 33896.0/79



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 4.106+/-0.079 χ^2/NDF:13761.0/22

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 4.419+/-0.079 χ^2/NDF:12407.9/21

Left: 4.263+/-0.056 χ^2/NDF: 26176.7/44

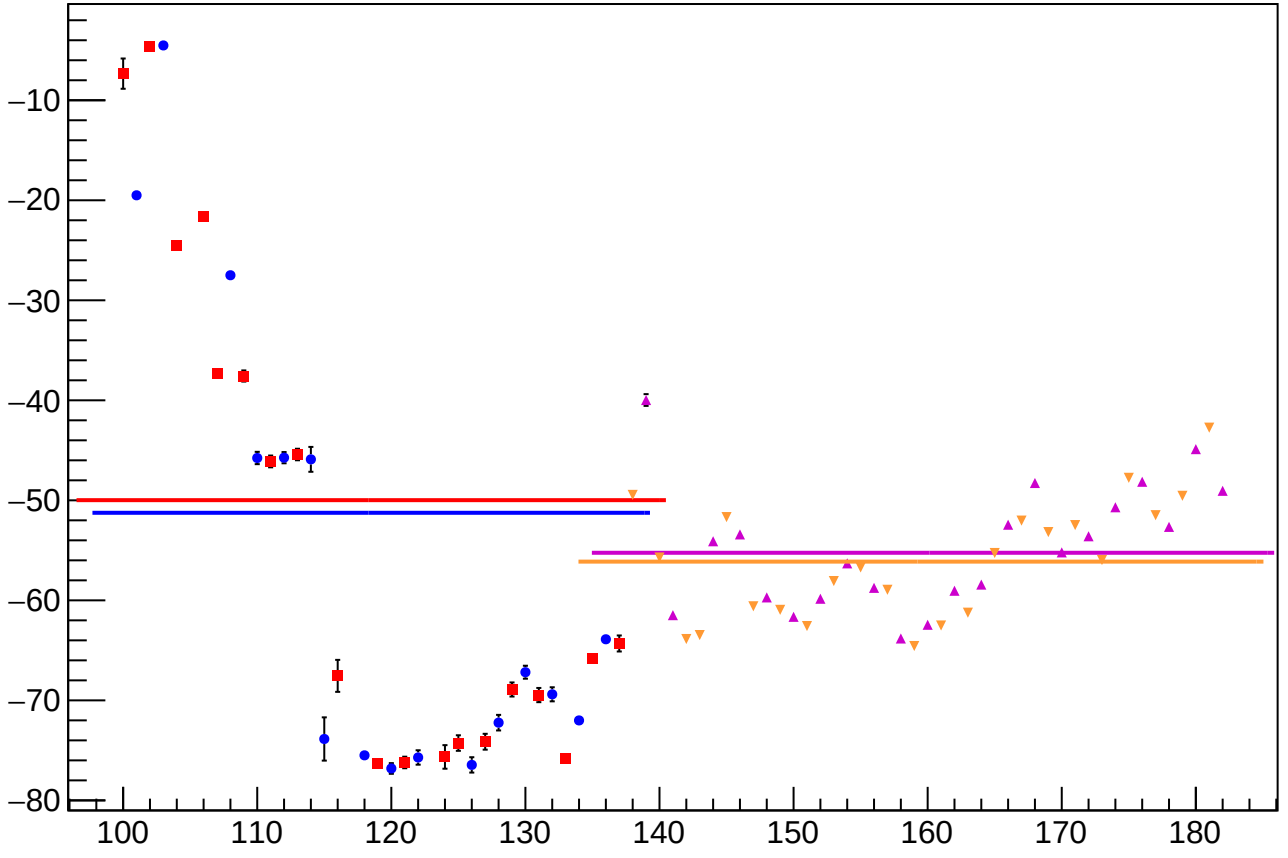
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 3.052+/-0.066 χ^2/NDF:22648.9/37

Out: 2.290+/-0.065 χ^2/NDF:27510.4/41

All: 2.667+/-0.046 χ^2/NDF: 50226.5/79

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: -56.128+/-0.068 χ^2/NDF:7224.3/22

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -55.243+/-0.069 χ^2/NDF:6337.0/21

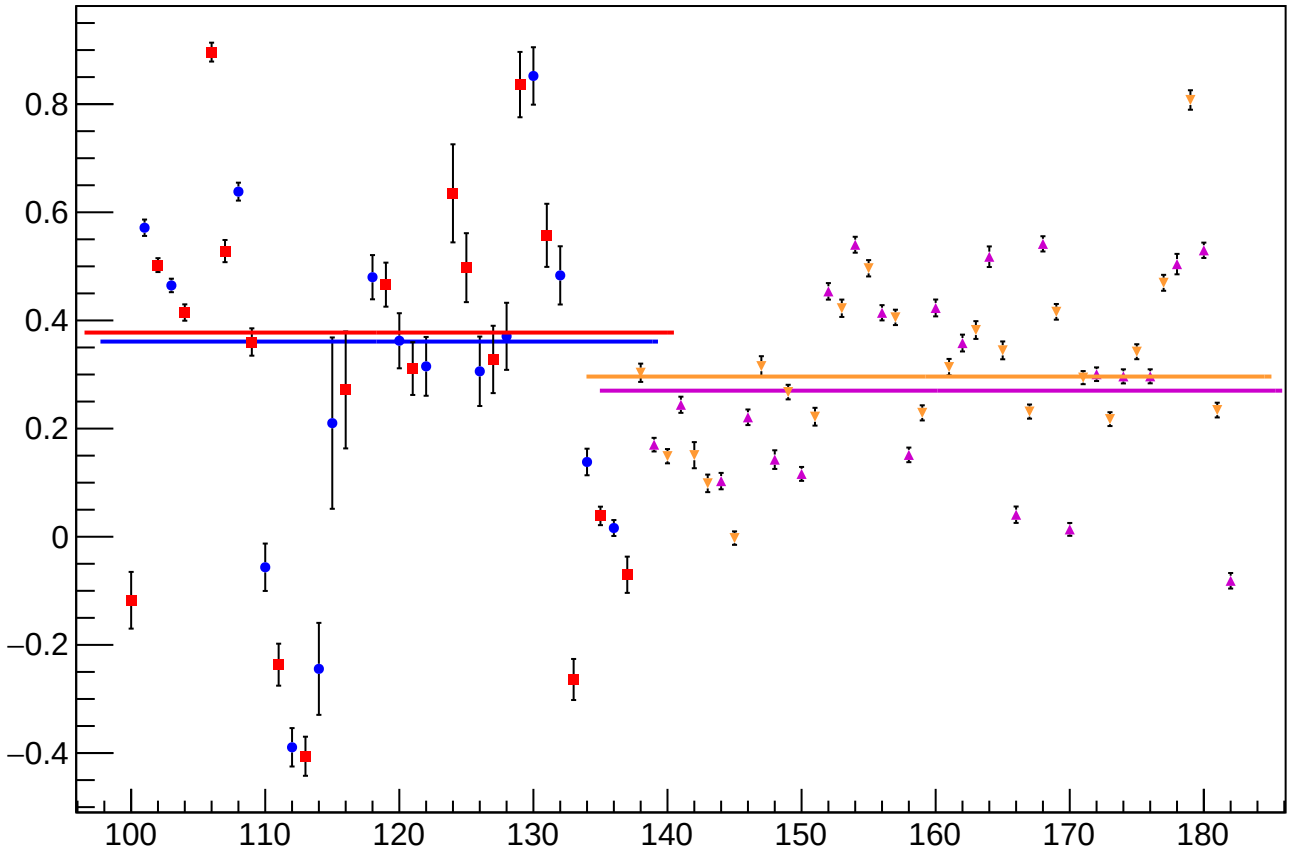
Left: -55.691+/-0.049 χ^2/NDF: 13643.9/44

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -54.418+/-0.062 χ^2/NDF:40790.3/37

Out: -54.807+/-0.061 χ^2/NDF:42852.5/41

All: -54.616+/-0.043 χ^2/NDF: 83663.0/79



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.296+/-0.003 χ^2/NDF:2372.1/22

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.270+/-0.003 χ^2/NDF:3522.8/21

Left: 0.283+/-0.002 χ^2/NDF: 5931.0/44

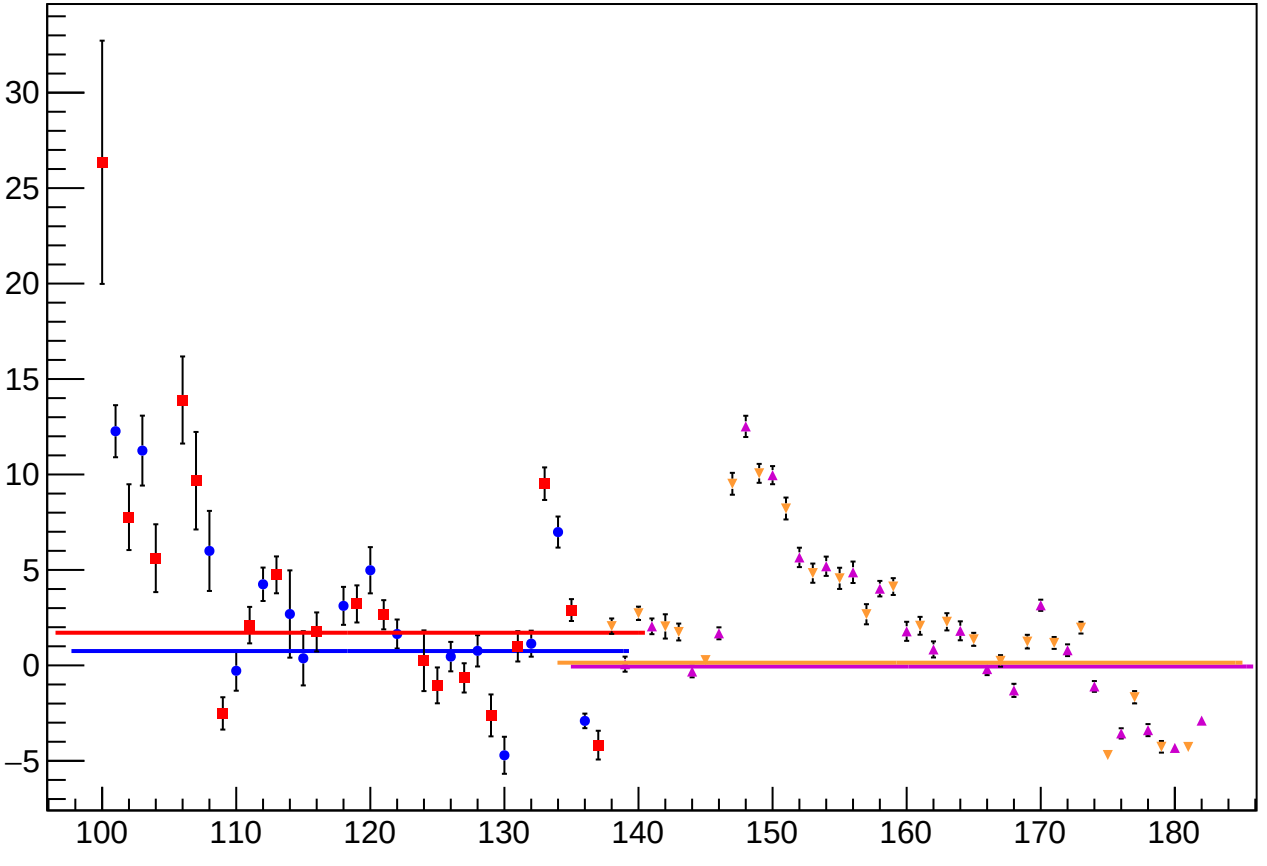
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.287+/-0.003 χ^2/NDF:5548.1/37

Out: 0.313+/-0.003 χ^2/NDF:5303.7/41

All: 0.300+/-0.002 χ^2/NDF: 10894.9/79

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 0.142+/-0.073 χ^2/NDF:2521.6/22

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: -0.059+/-0.072 χ^2/NDF:2462.2/21

Left: 0.039+/-0.051 χ^2/NDF: 4987.6/44

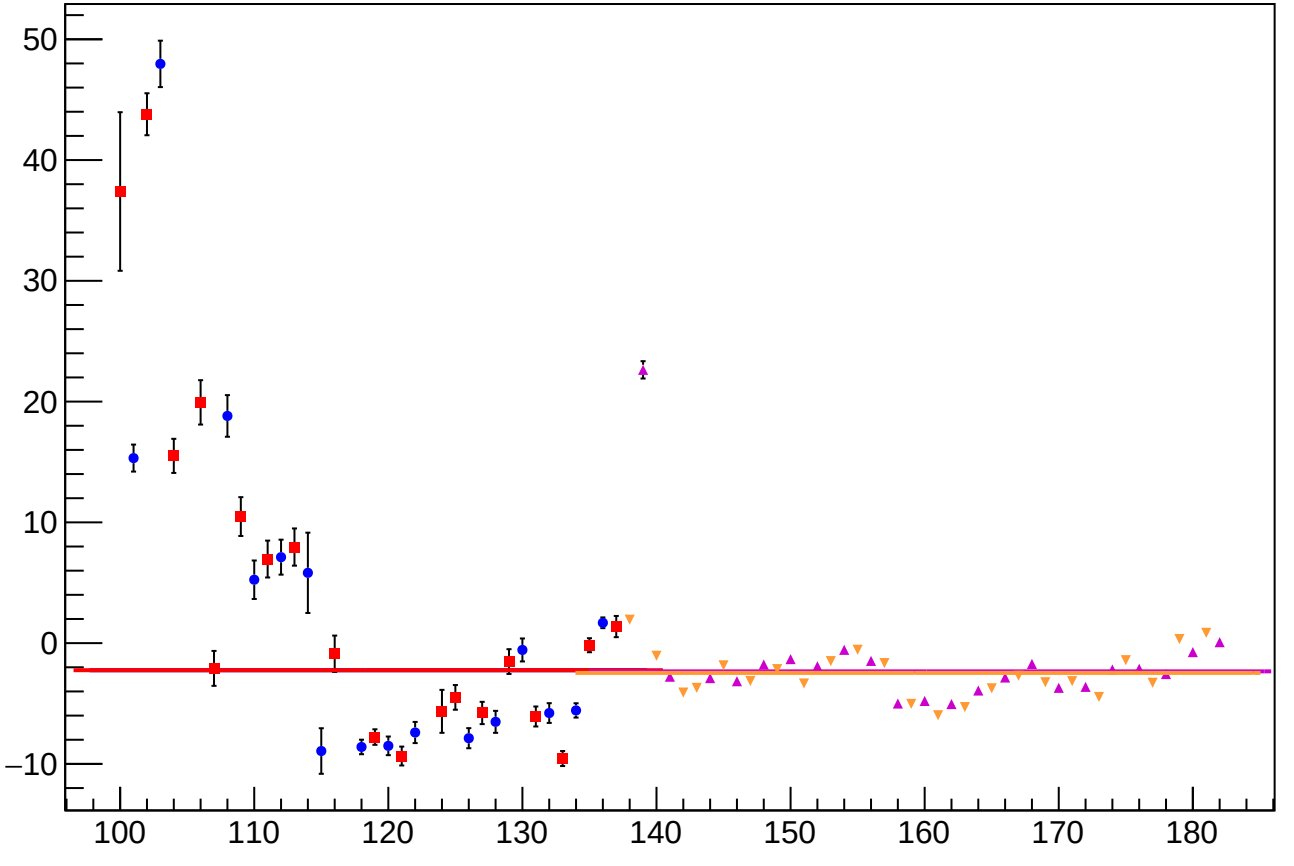
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 0.024+/-0.068 χ^2/NDF:2805.4/37

Out: 0.295+/-0.070 χ^2/NDF:2860.1/41

All: 0.156+/-0.049 χ^2/NDF: 5673.2/79

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: -2.466+/-0.058 χ^2/NDF:1047.1/22

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.337+/-0.057 χ^2/NDF:1792.8/21

Left: -2.401+/-0.041 χ^2/NDF: 2842.5/44

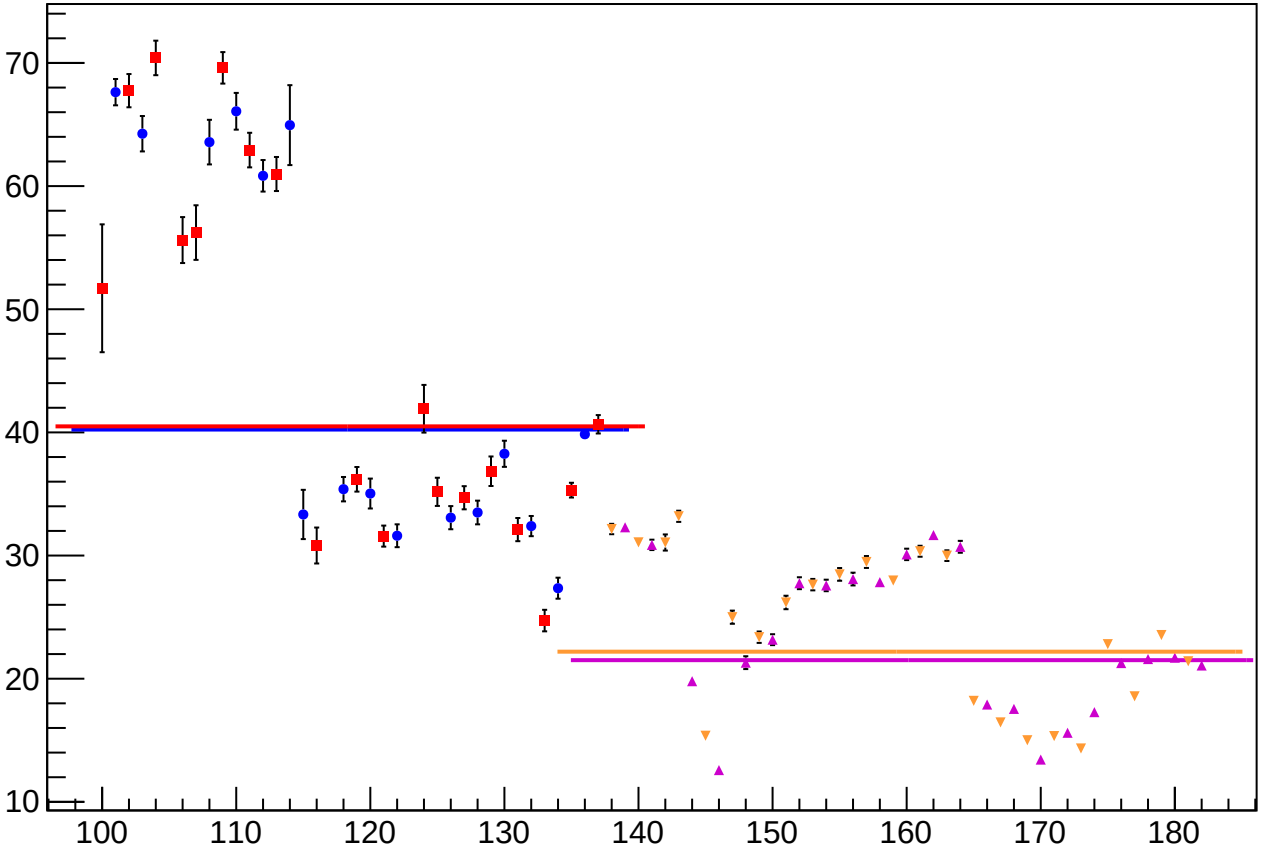
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.331+/-0.055 χ^2/NDF:3365.5/37

Out: -2.452+/-0.056 χ^2/NDF:2603.7/41

All: -2.391+/-0.039 χ^2/NDF: 5971.5/79

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 22.195+/-0.073 χ^2/NDF:6168.0/22

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.506+/-0.072 χ^2/NDF:5780.4/21

Left: 21.843+/-0.051 χ^2/NDF: 11993.6/44

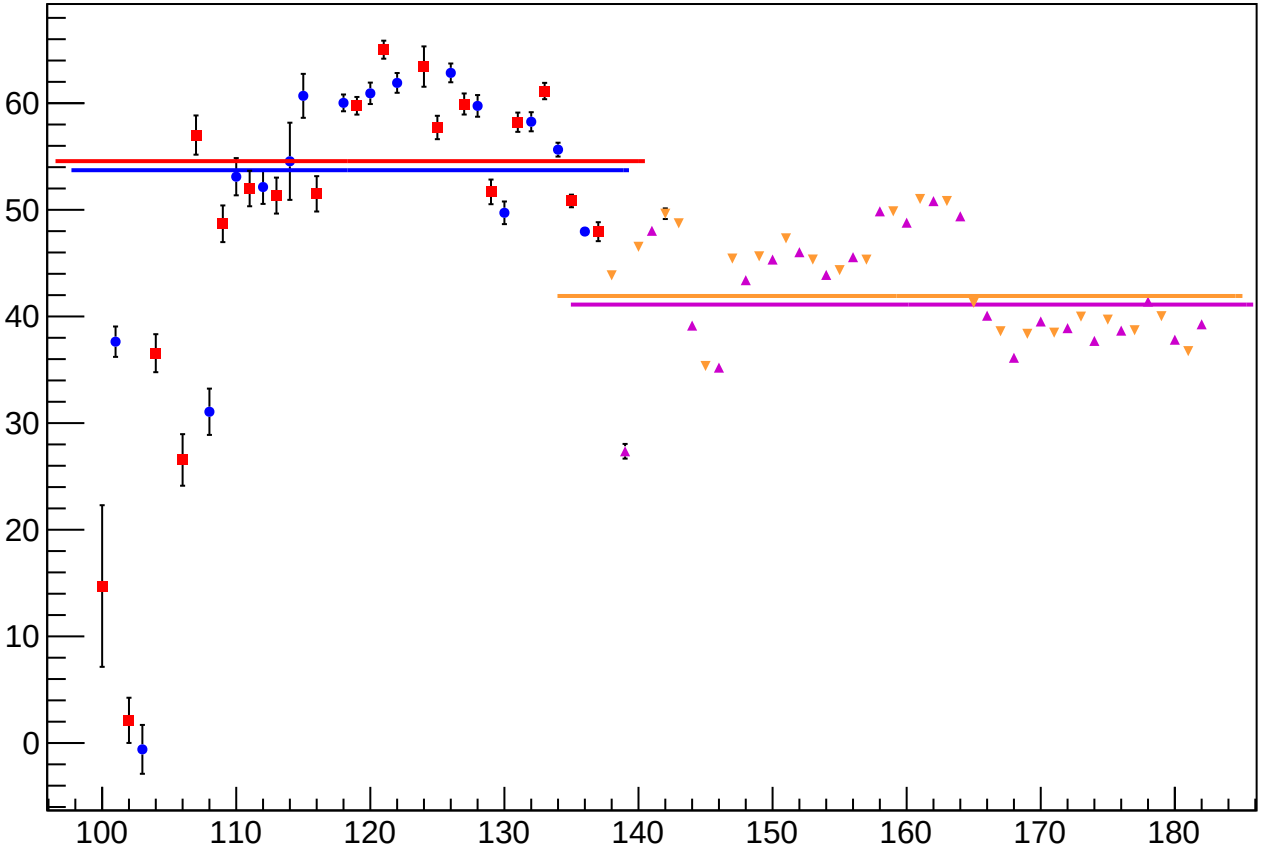
Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 23.148+/-0.069 χ^2/NDF:14044.3/37

Out: 23.639+/-0.070 χ^2/NDF:13781.5/41

All: 23.387+/-0.049 χ^2/NDF: 27850.8/79

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 41.921+/-0.064 χ^2/NDF:5521.9/22

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 41.114+/-0.063 χ^2/NDF:5475.4/21

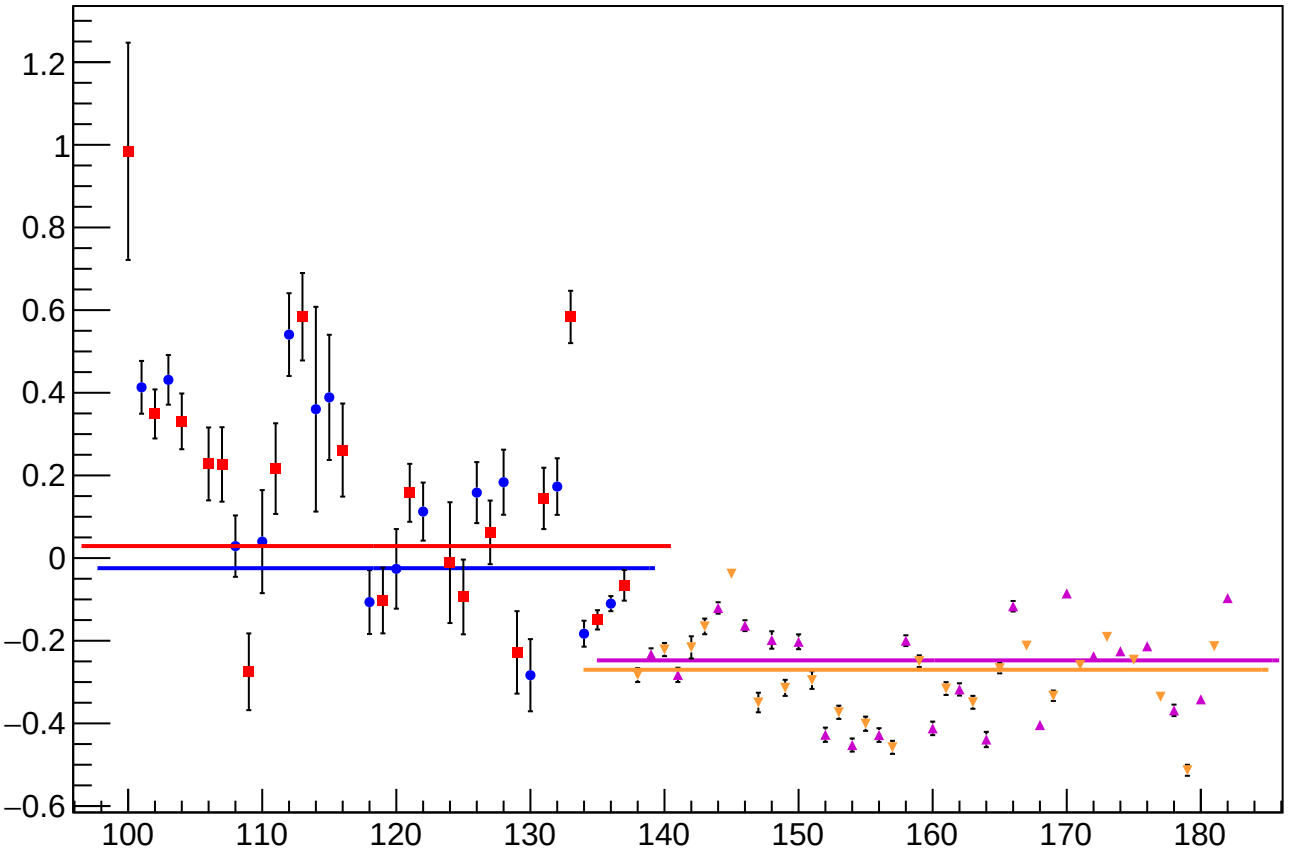
Left: 41.511+/-0.045 χ^2/NDF: 11076.8/44

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 41.944+/-0.061 χ^2/NDF:9434.6/37

Out: 42.673+/-0.062 χ^2/NDF:9156.4/41

All: 42.302+/-0.044 χ^2/NDF: 18660.3/79



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.270+/-0.003 χ^2/NDF:1308.4/22

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.248+/-0.003 χ^2/NDF:1718.7/21

Left: -0.259+/-0.002 χ^2/NDF: 3059.0/44

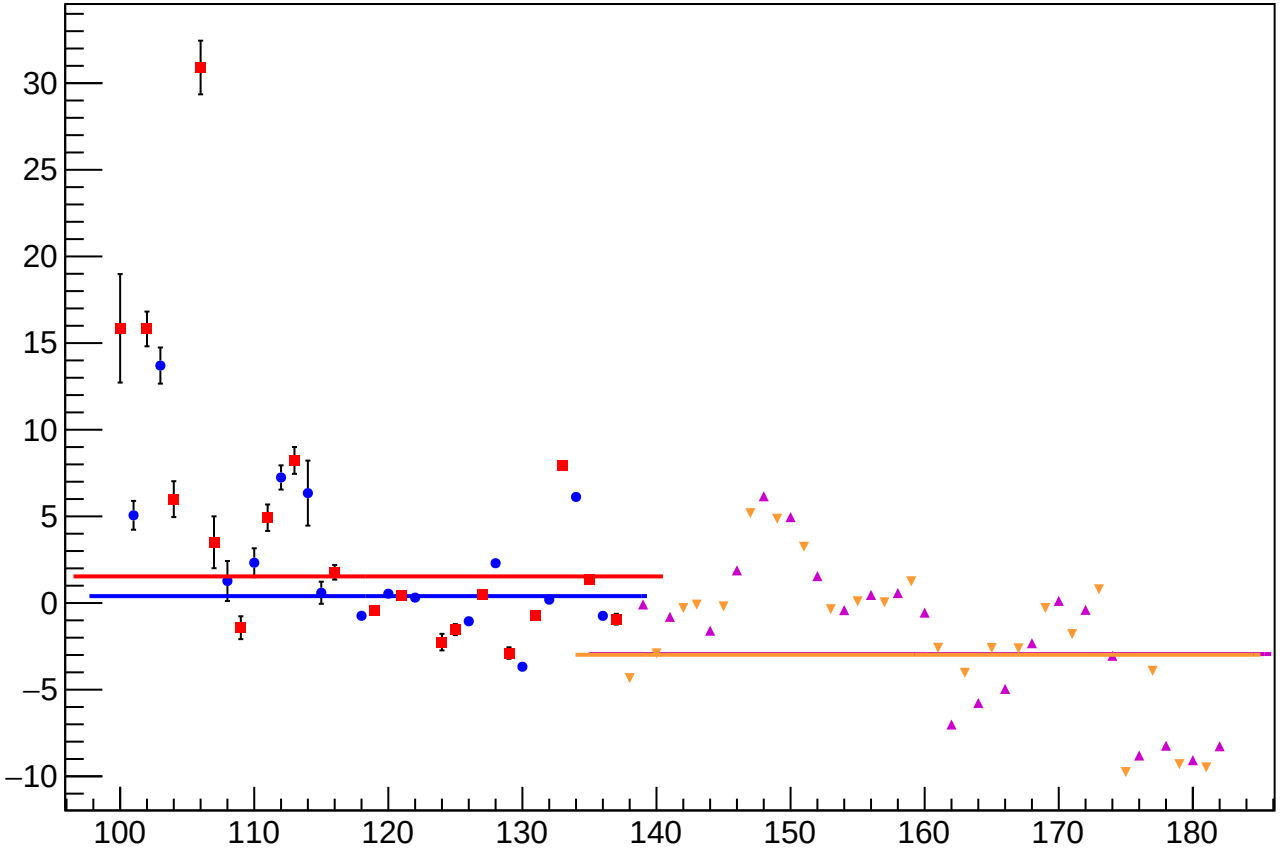
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.237+/-0.003 χ^2/NDF:2238.1/37

Out: -0.259+/-0.003 χ^2/NDF:2008.8/41

All: -0.248+/-0.002 χ^2/NDF: 4276.0/79

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -2.985+/-0.029 χ^2/NDF:22408.5/22

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -2.944+/-0.029 χ^2/NDF:22272.0/21

Left: -2.964+/-0.020 χ^2/NDF: 44681.5/44

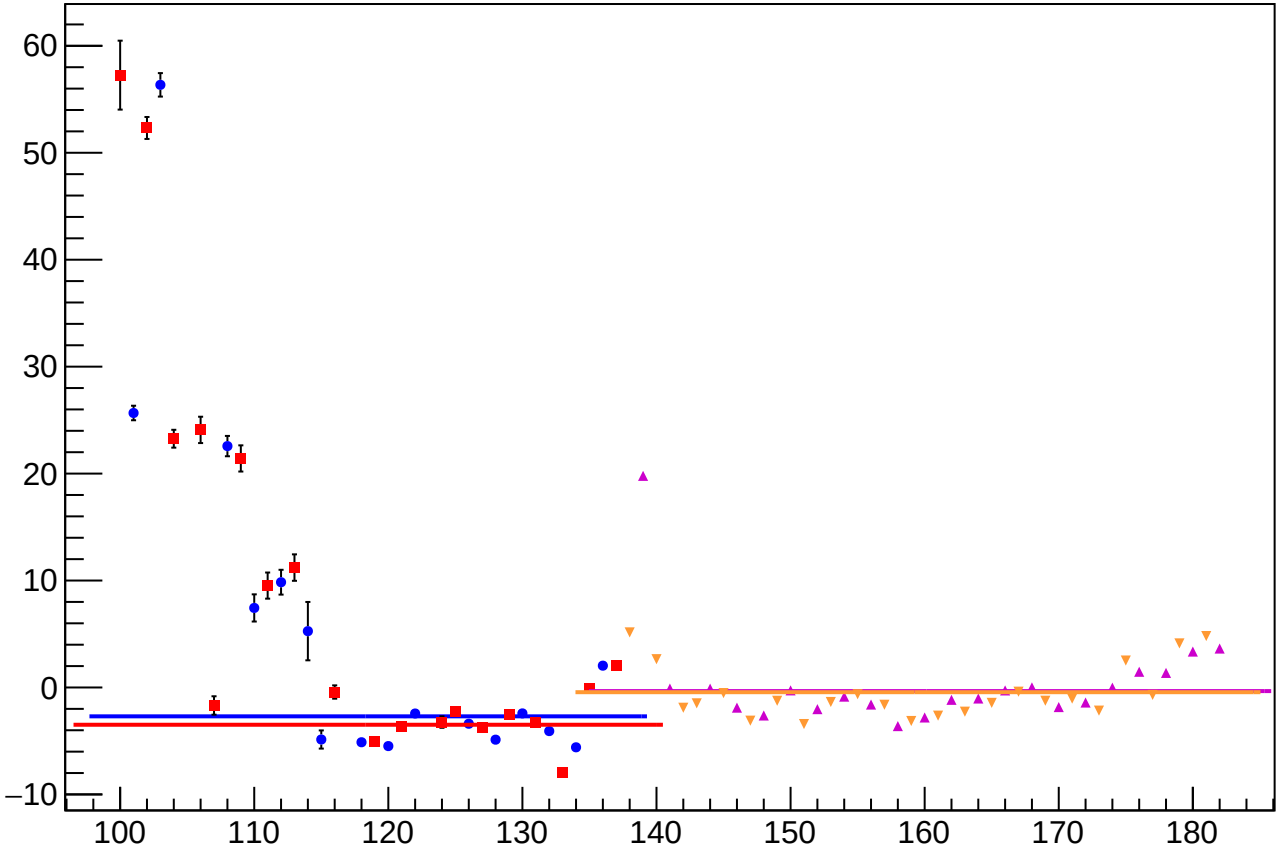
Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: -2.534+/-0.027 χ^2/NDF:25019.2/37

Out: -2.434+/-0.027 χ^2/NDF:27756.4/41

All: -2.485+/-0.019 χ^2/NDF: 52782.4/79

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: -0.441+/-0.023 χ^2/NDF:11005.2/22

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -0.338+/-0.022 χ^2/NDF:12671.5/21

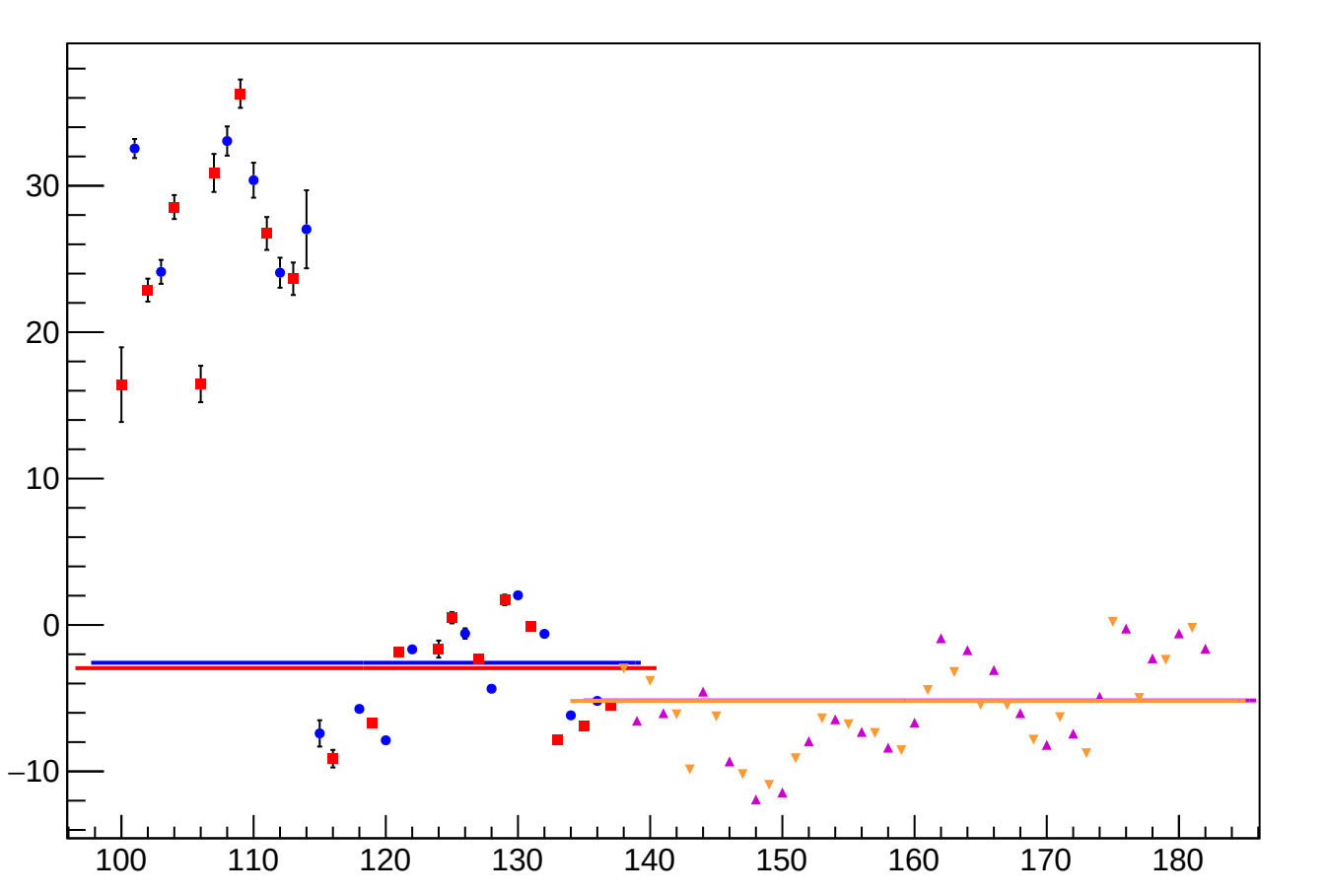
Left: -0.389+/-0.016 χ^2/NDF: 23687.2/44

Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

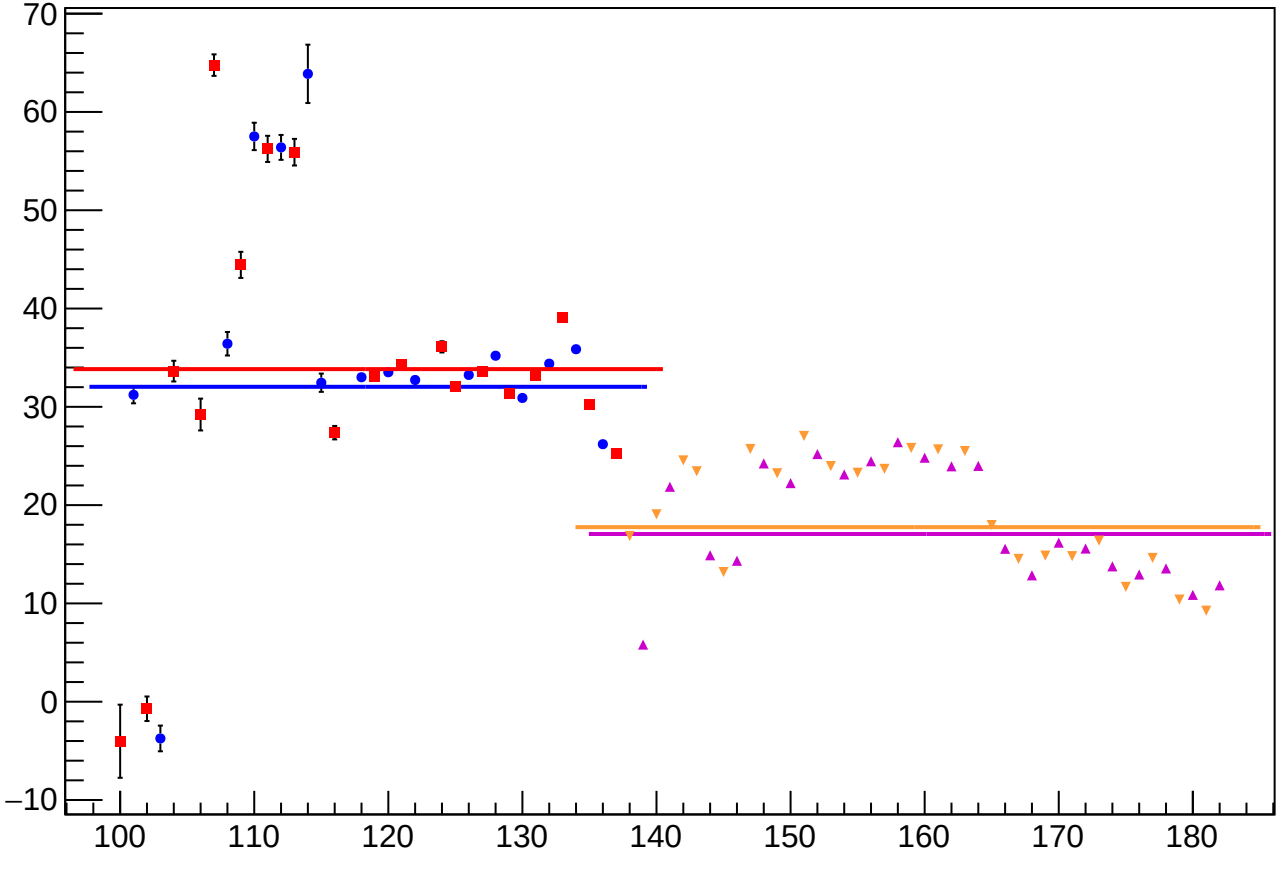
In: -0.555+/-0.021 χ^2/NDF:20787.3/37

Out: -0.720+/-0.021 χ^2/NDF:19842.1/41

All: -0.637+/-0.015 χ^2/NDF: 40659.3/79


reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
170
180
Right In: -2.582+/-0.083 χ²/NDF: 8159.7/15
Left Out: -5.185+/-0.029 χ²/NDF:12786.0/22
Right Out: -2.948+/-0.085 χ²/NDF: 8196.4/18
Left In: -5.155+/-0.029 χ²/NDF:13938.0/21
Left: -5.170+/-0.020 χ²/NDF: 26724.4/44
Right: -2.761+/-0.059 χ²/NDF: 16365.7/34
In: -4.880+/-0.027 χ²/NDF:22954.6/37
Out: -4.950+/-0.028 χ²/NDF:21602.9/41
All: -4.915+/-0.019 χ²/NDF: 44560.8/79

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 17.760+/-0.025 χ^2/NDF:47716.5/22

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 17.062+/-0.025 χ^2/NDF:39158.7/21

Left: 17.409+/-0.018 χ^2/NDF: 87256.1/44

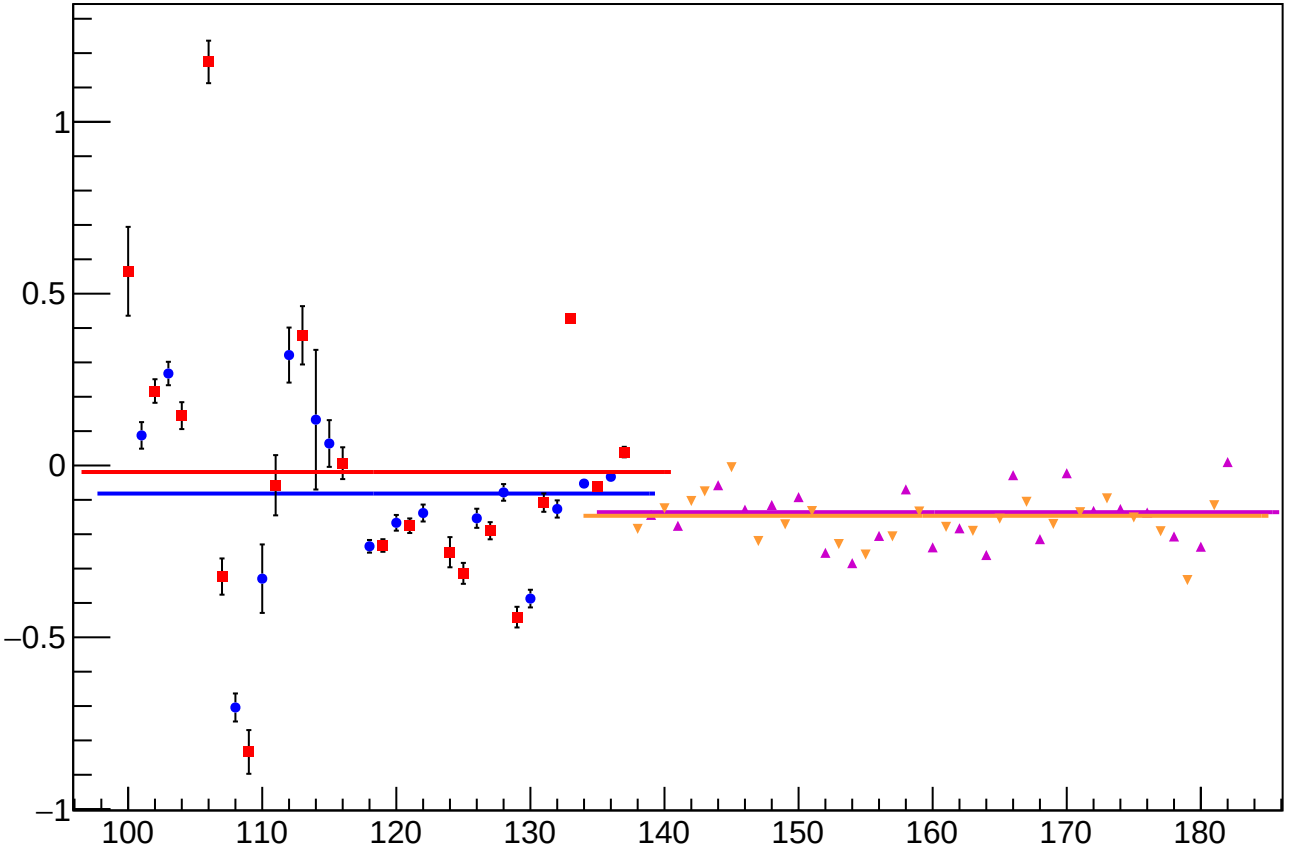
Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 18.378+/-0.024 χ^2/NDF:73373.3/37

Out: 19.176+/-0.024 χ^2/NDF:87337.4/41

All: 18.775+/-0.017 χ^2/NDF: 161255.4/79

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.146+/-0.001 χ^2/NDF:3643.3/22

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.136+/-0.001 χ^2/NDF:5063.3/21

Left: -0.141+/-0.001 χ^2/NDF: 8749.4/44

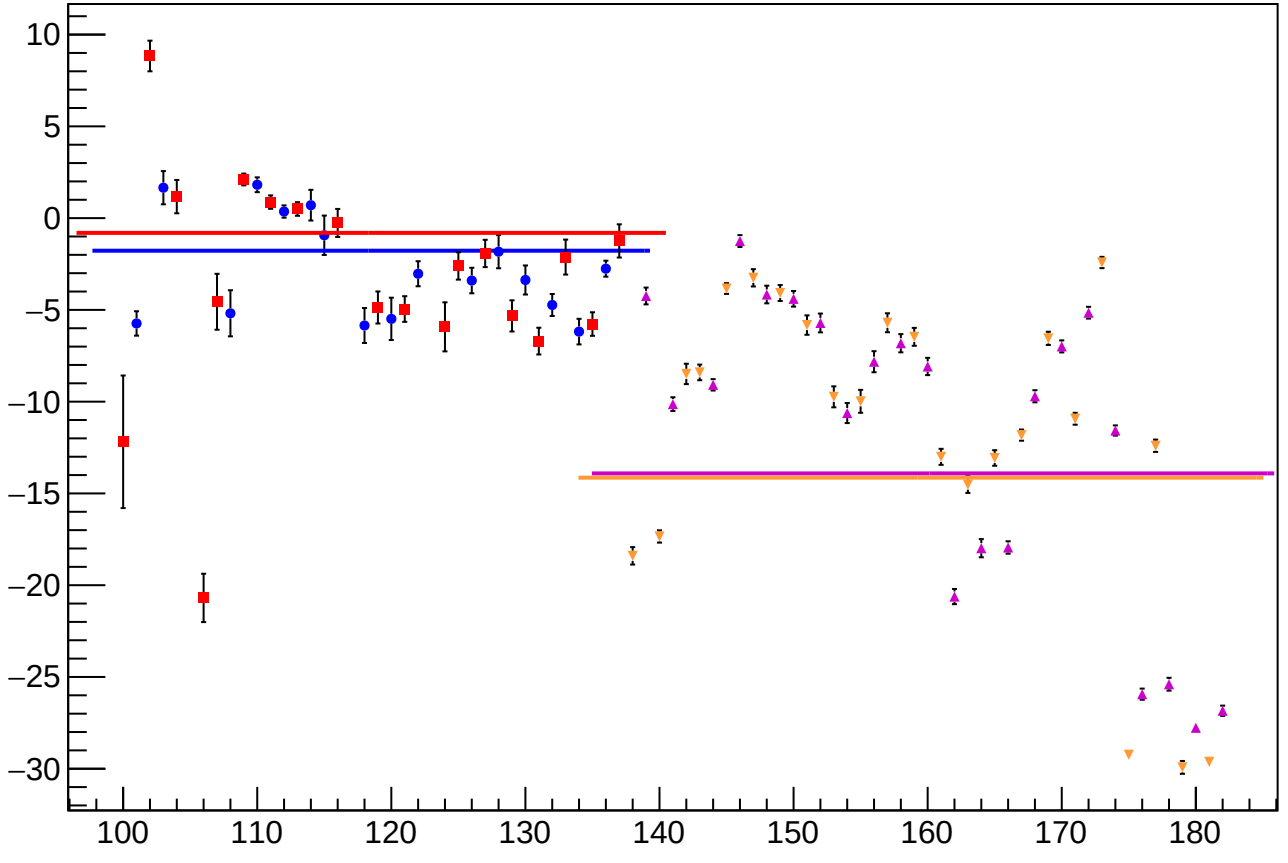
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.133+/-0.001 χ^2/NDF:5871.0/37

Out: -0.141+/-0.001 χ^2/NDF:6490.3/41

All: -0.137+/-0.001 χ^2/NDF: 12384.6/79

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: -14.141+/-0.078 χ^2/NDF:15046.7/22

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -13.908+/-0.078 χ^2/NDF:13352.0/21

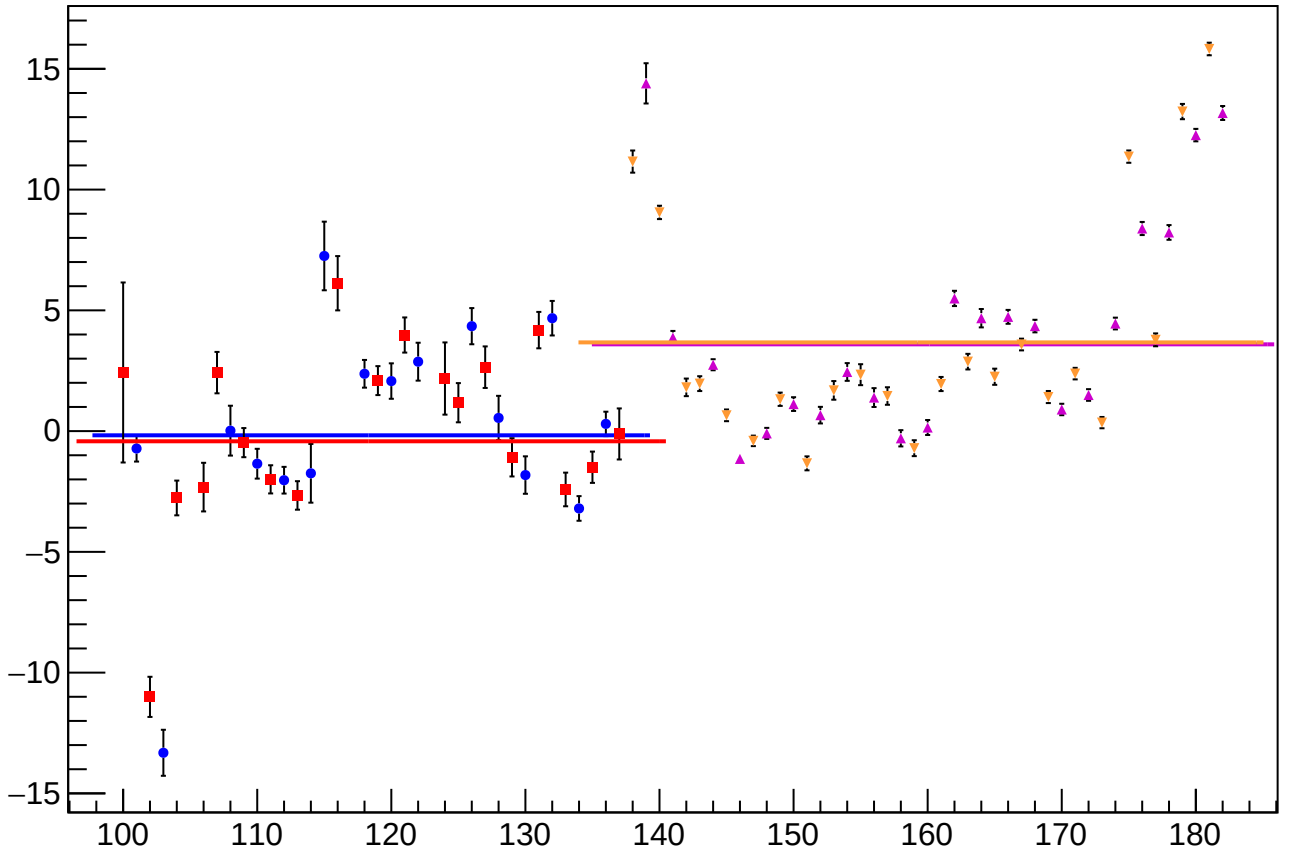
Left: -14.024+/-0.055 χ^2/NDF: 28403.1/44

Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -11.527+/-0.070 χ^2/NDF:18442.6/37

Out: -11.231+/-0.069 χ^2/NDF:22103.1/41

All: -11.379+/-0.049 χ^2/NDF: 40554.8/79



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 3.673+/-0.060 χ^2/NDF:6184.3/22

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 3.593+/-0.060 χ^2/NDF:4539.1/21

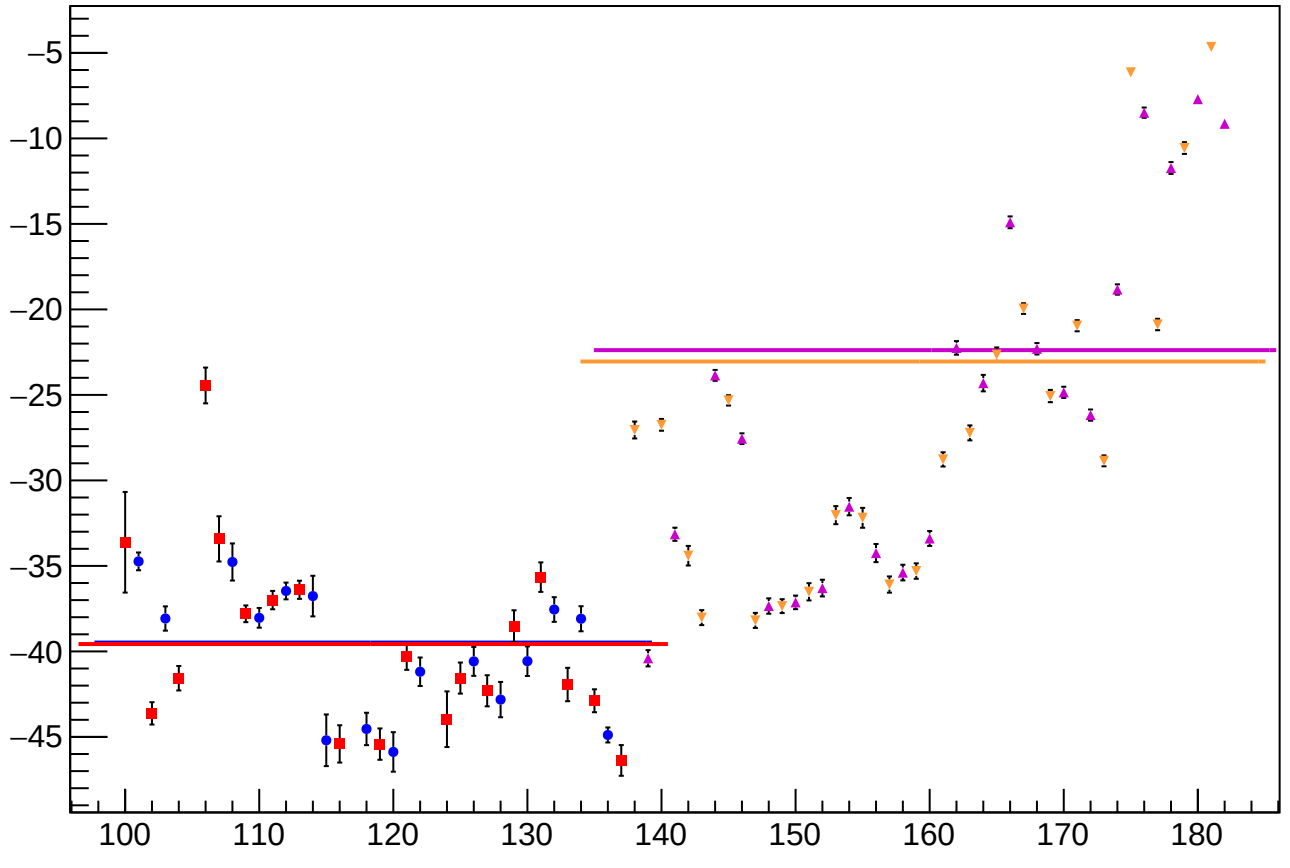
Left: 3.633+/-0.042 χ^2/NDF: 10724.3/44

Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 3.191+/-0.056 χ^2/NDF:5365.7/37

Out: 3.256+/-0.057 χ^2/NDF:7030.1/41

All: 3.224+/-0.040 χ^2/NDF: 12396.4/79



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -23.047+/-0.078 χ^2/NDF:18484.5/22

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -22.382+/-0.077 χ^2/NDF:17102.9/21

Left: -22.711+/-0.055 χ^2/NDF: 35624.0/44

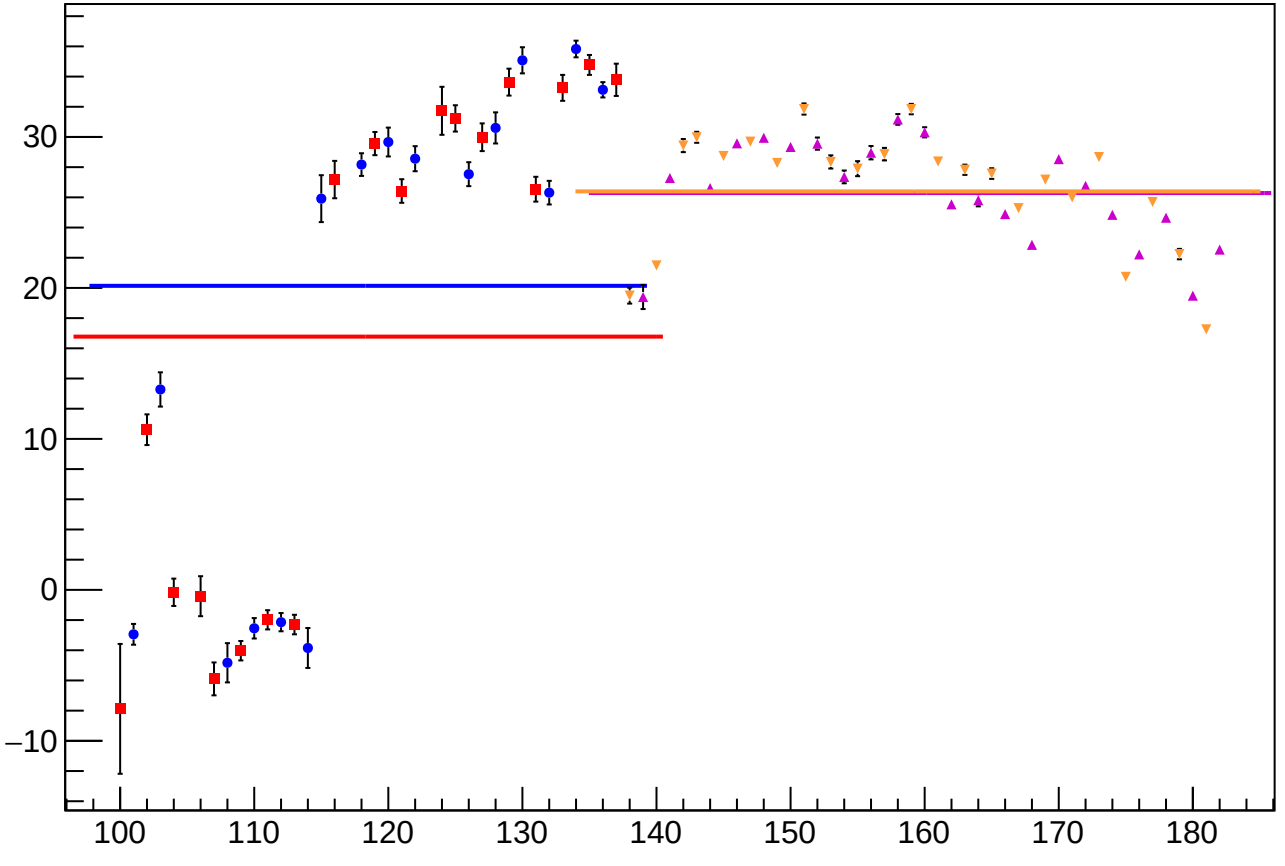
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -25.042+/-0.071 χ^2/NDF:25116.3/37

Out: -25.643+/-0.072 χ^2/NDF:26063.4/41

All: -25.340+/-0.050 χ^2/NDF: 51215.2/79

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 26.395+/-0.067 χ^2/NDF:3146.1/22

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 26.286+/-0.067 χ^2/NDF:2185.2/21

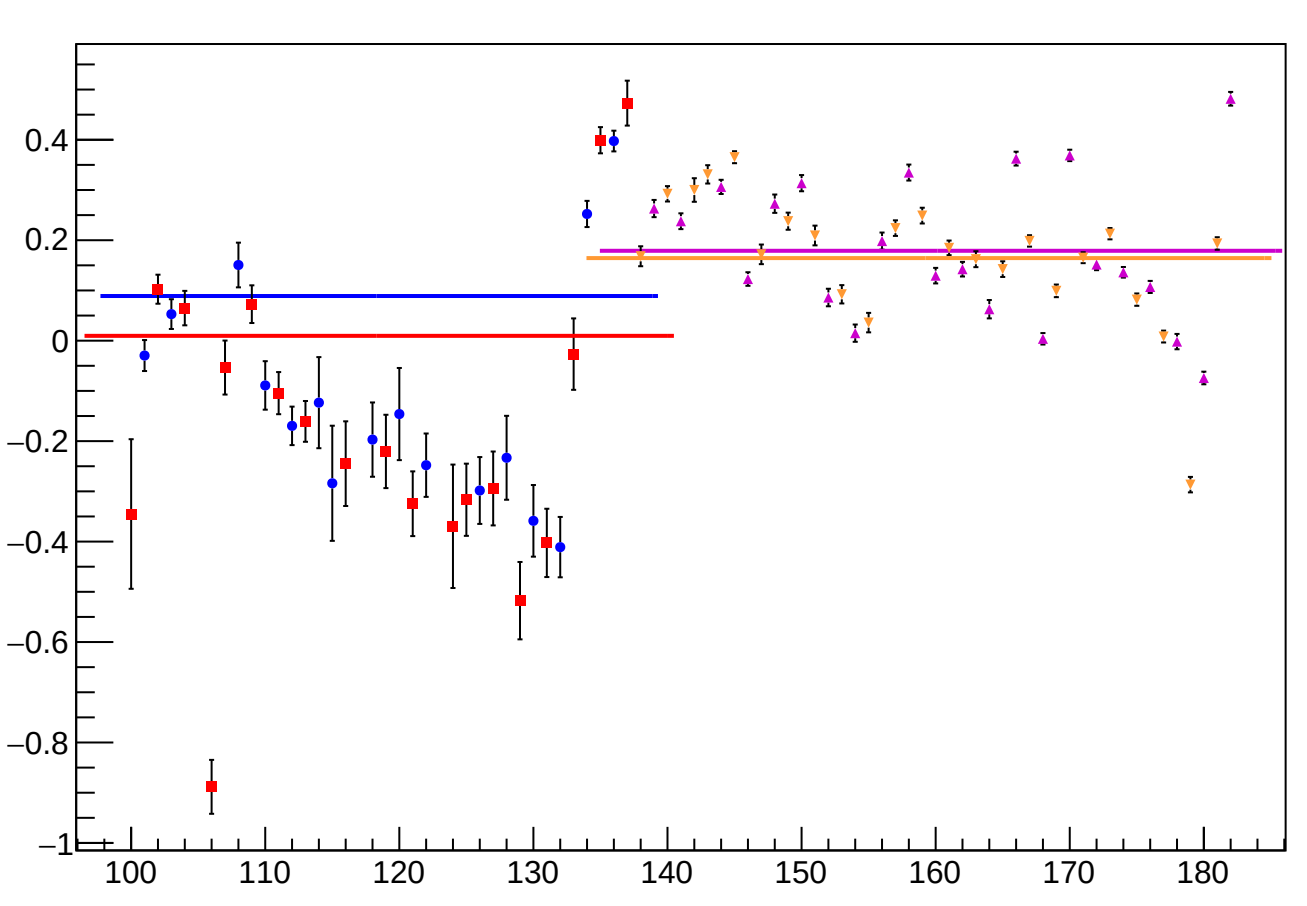
Left: 26.340+/-0.048 χ^2/NDF: 5332.6/44

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 25.632+/-0.063 χ^2/NDF:9760.1/37

Out: 25.413+/-0.064 χ^2/NDF:11968.7/41

All: 25.523+/-0.045 χ^2/NDF: 21734.8/79



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.164+/-0.003 χ^2/NDF:1736.2/22

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.179+/-0.003 χ^2/NDF:2292.4/21

Left: 0.172+/-0.002 χ^2/NDF: 4040.2/44

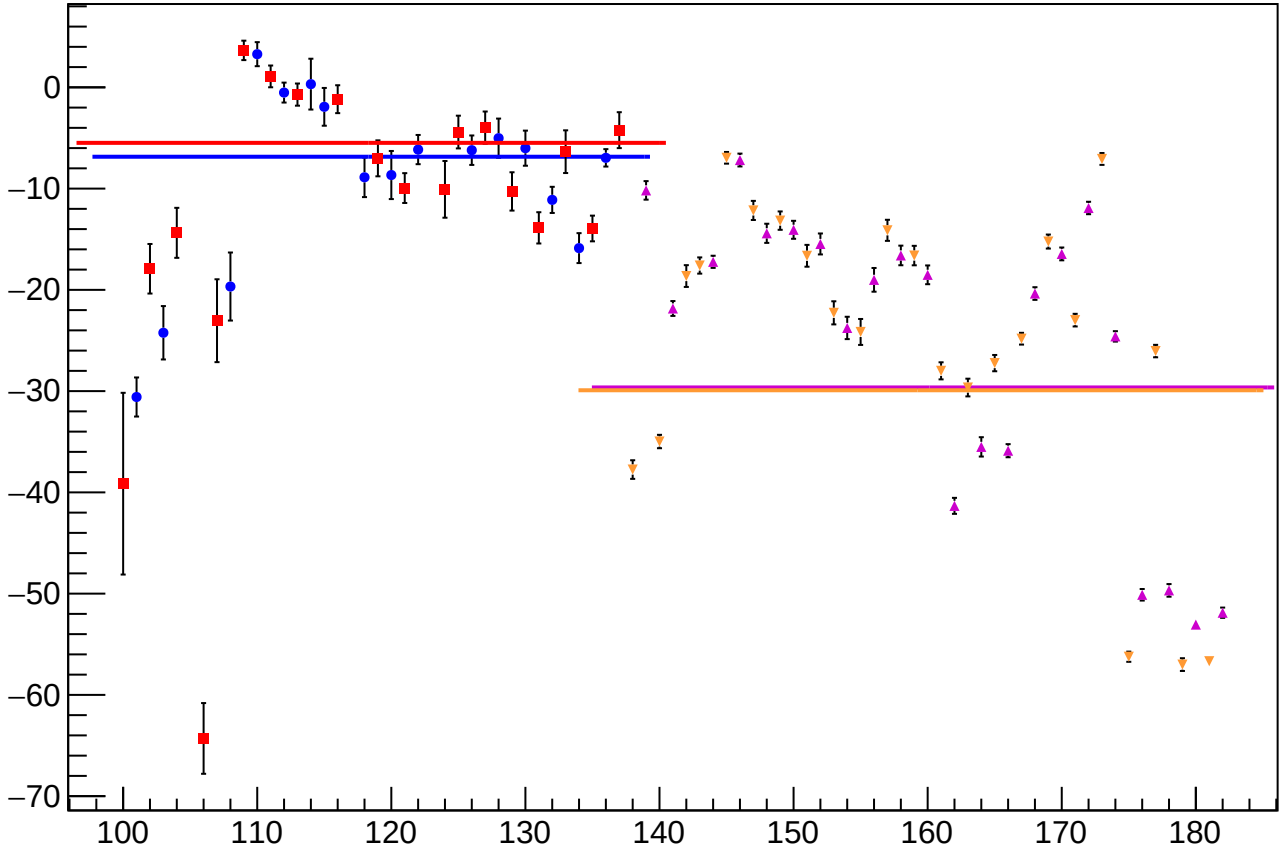
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.172+/-0.003 χ^2/NDF:2925.4/37

Out: 0.154+/-0.003 χ^2/NDF:2754.5/41

All: 0.163+/-0.002 χ^2/NDF: 5700.3/79

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: -29.916+/-0.150 χ^2/NDF:14016.4/22

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -29.638+/-0.148 χ^2/NDF:11920.3/21

Left: -29.775+/-0.105 χ^2/NDF: 25938.4/44

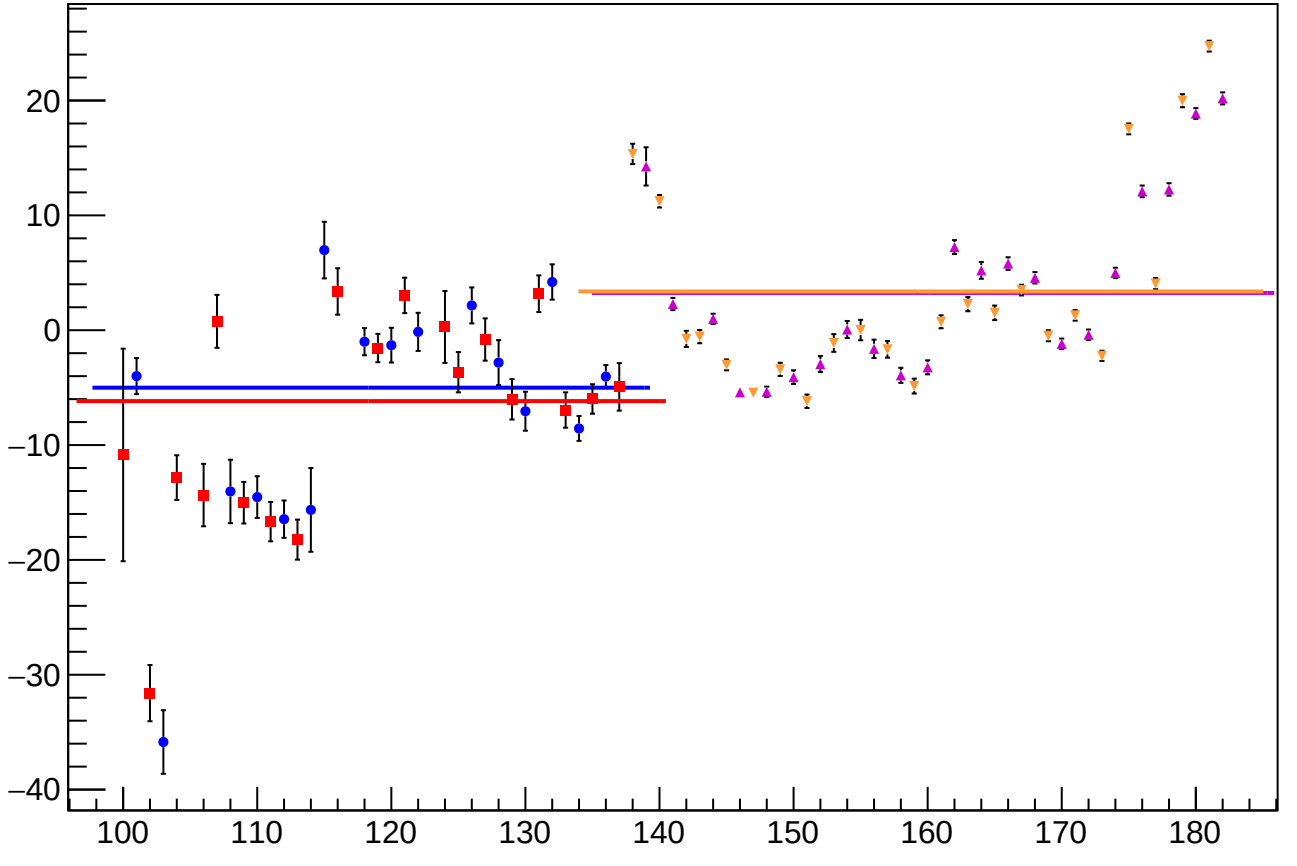
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -26.578+/-0.138 χ^2/NDF:15496.0/37

Out: -26.468+/-0.139 χ^2/NDF:18388.6/41

All: -26.523+/-0.098 χ^2/NDF: 33885.0/79

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: 3.375+/-0.115 χ^2/NDF:5790.2/22

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: 3.245+/-0.115 χ^2/NDF:4476.7/21

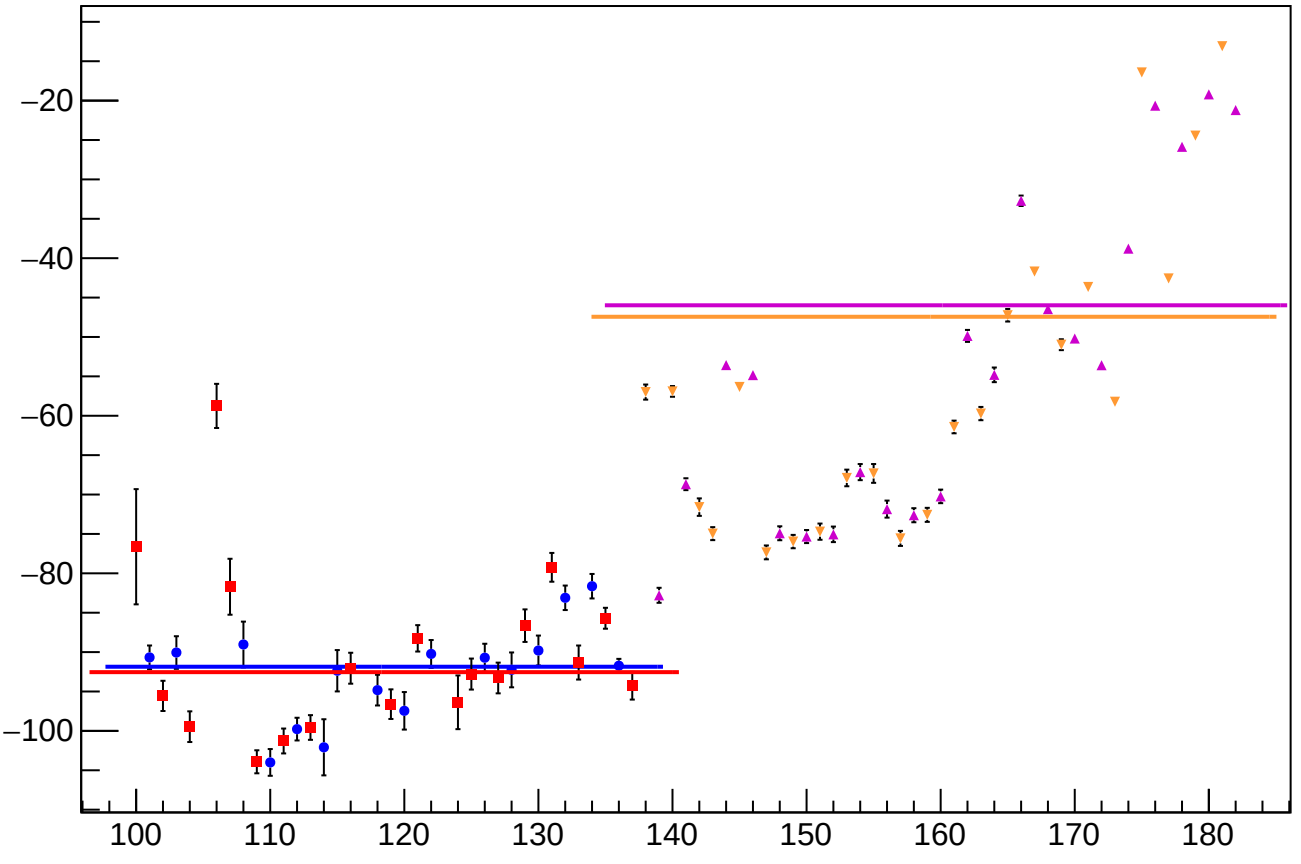
Left: 3.309+/-0.081 χ^2/NDF: 10267.6/44

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: 2.606+/-0.110 χ^2/NDF:5220.2/37

Out: 2.699+/-0.111 χ^2/NDF:6647.5/41

All: 2.652+/-0.078 χ^2/NDF: 11868.1/79



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -47.435+/-0.149 χ^2/NDF:19460.3/22

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -45.978+/-0.148 χ^2/NDF:17879.5/21

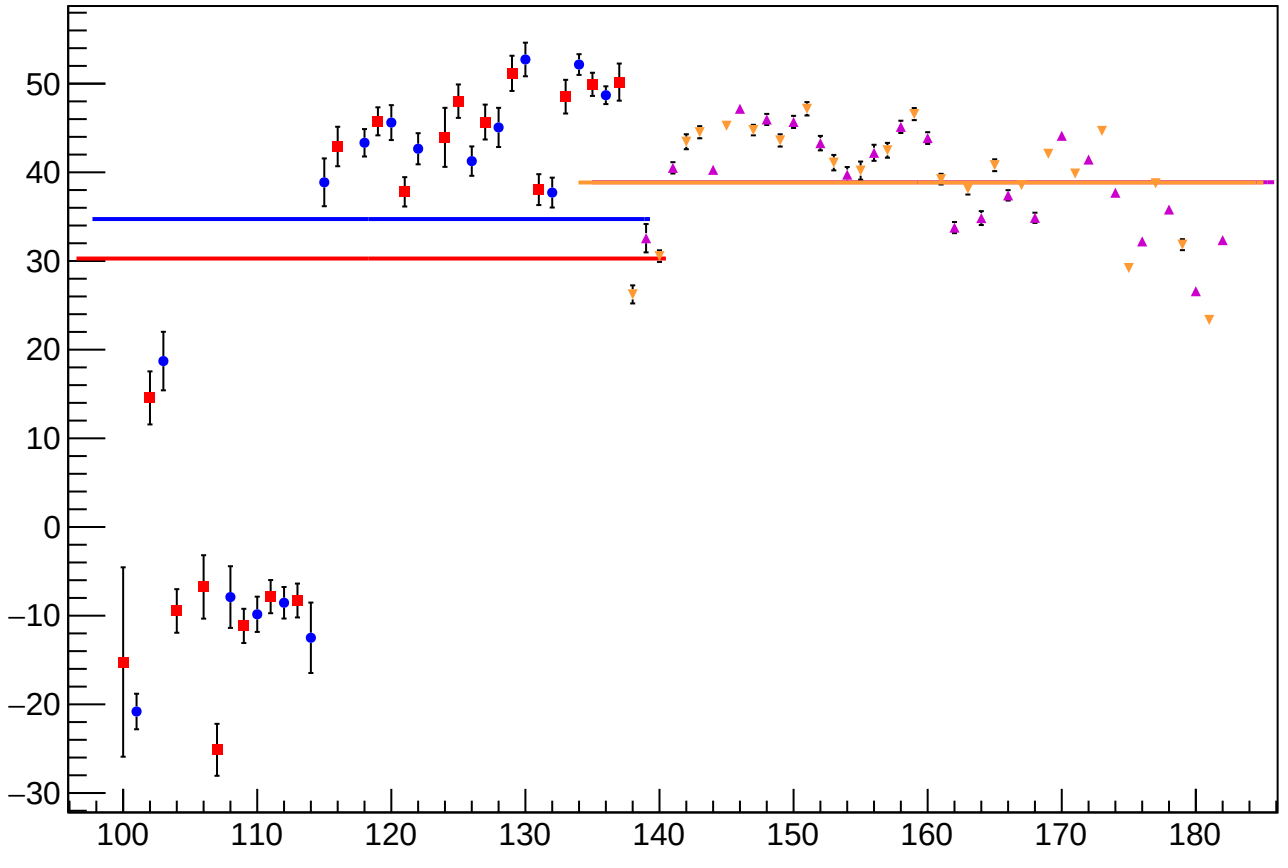
Left: -46.698+/-0.105 χ^2/NDF: 37387.9/44

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -50.937+/-0.139 χ^2/NDF:28496.9/37

Out: -52.113+/-0.141 χ^2/NDF:29301.0/41

All: -51.516+/-0.099 χ^2/NDF: 57832.9/79



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 38.852+/-0.129 χ^2/NDF:2623.5/22

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 38.883+/-0.129 χ^2/NDF:1969.9/21

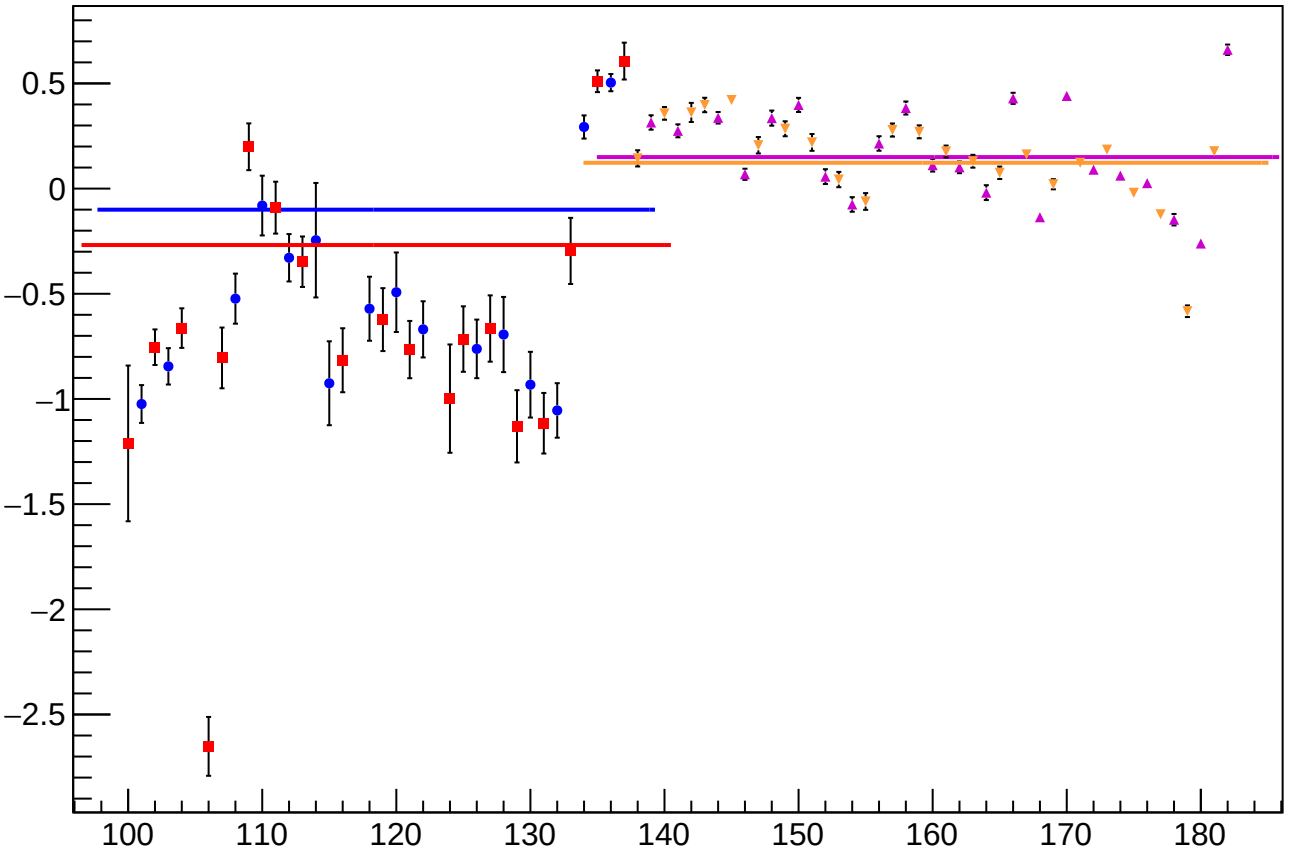
Left: 38.868+/-0.091 χ^2/NDF: 4593.4/44

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 38.559+/-0.123 χ^2/NDF:4860.4/37

Out: 38.241+/-0.125 χ^2/NDF:5847.5/41

All: 38.402+/-0.088 χ^2/NDF: 10711.2/79



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.123+/-0.006 χ^2/NDF:1275.7/22

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.150+/-0.006 χ^2/NDF:1698.1/21

Left: 0.136+/-0.004 χ^2/NDF: 2984.7/44

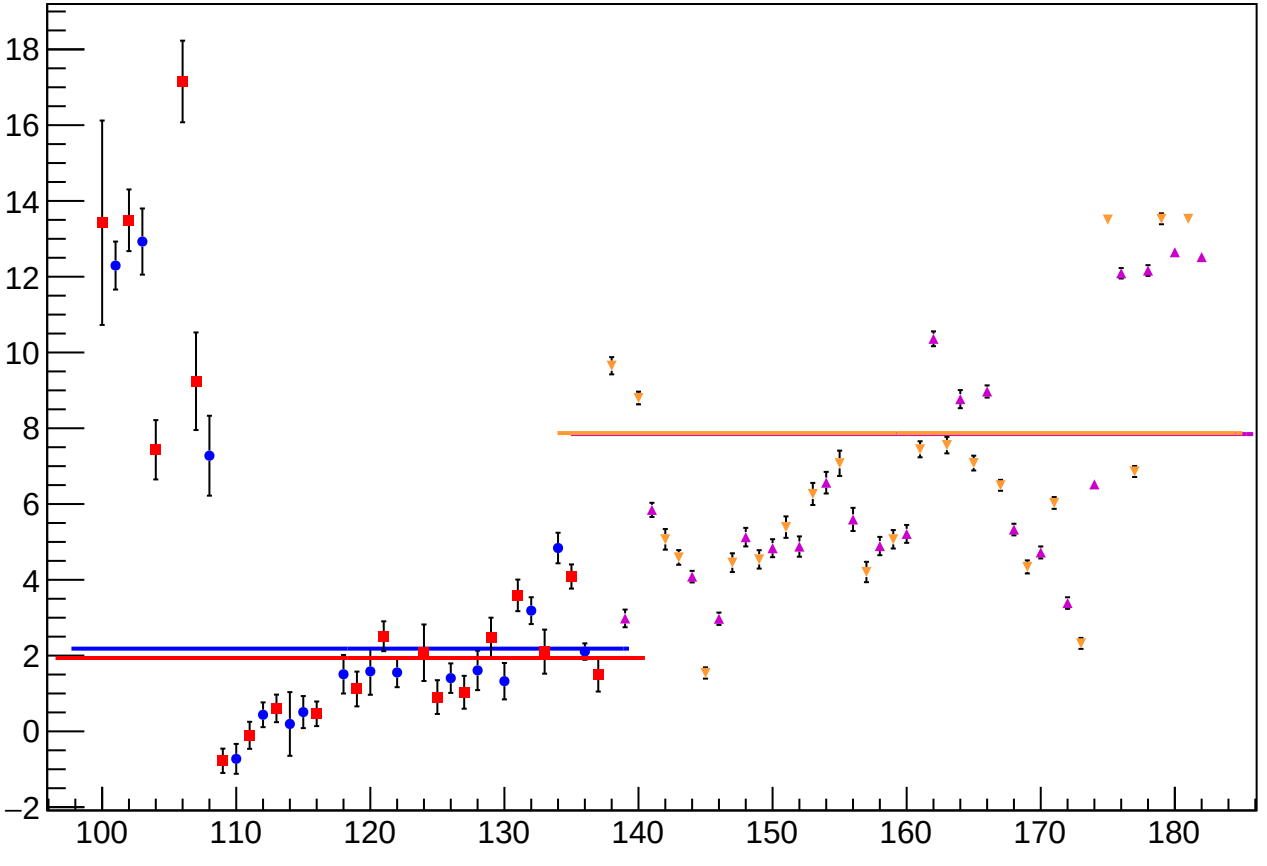
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.136+/-0.006 χ^2/NDF:2432.0/37

Out: 0.105+/-0.006 χ^2/NDF:2308.2/41

All: 0.121+/-0.004 χ^2/NDF: 4756.0/79

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: 7.873+/-0.037 χ^2/NDF:12188.8/22

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 7.847+/-0.036 χ^2/NDF:9925.2/21

Left: 7.860+/-0.026 χ^2/NDF: 22114.2/44

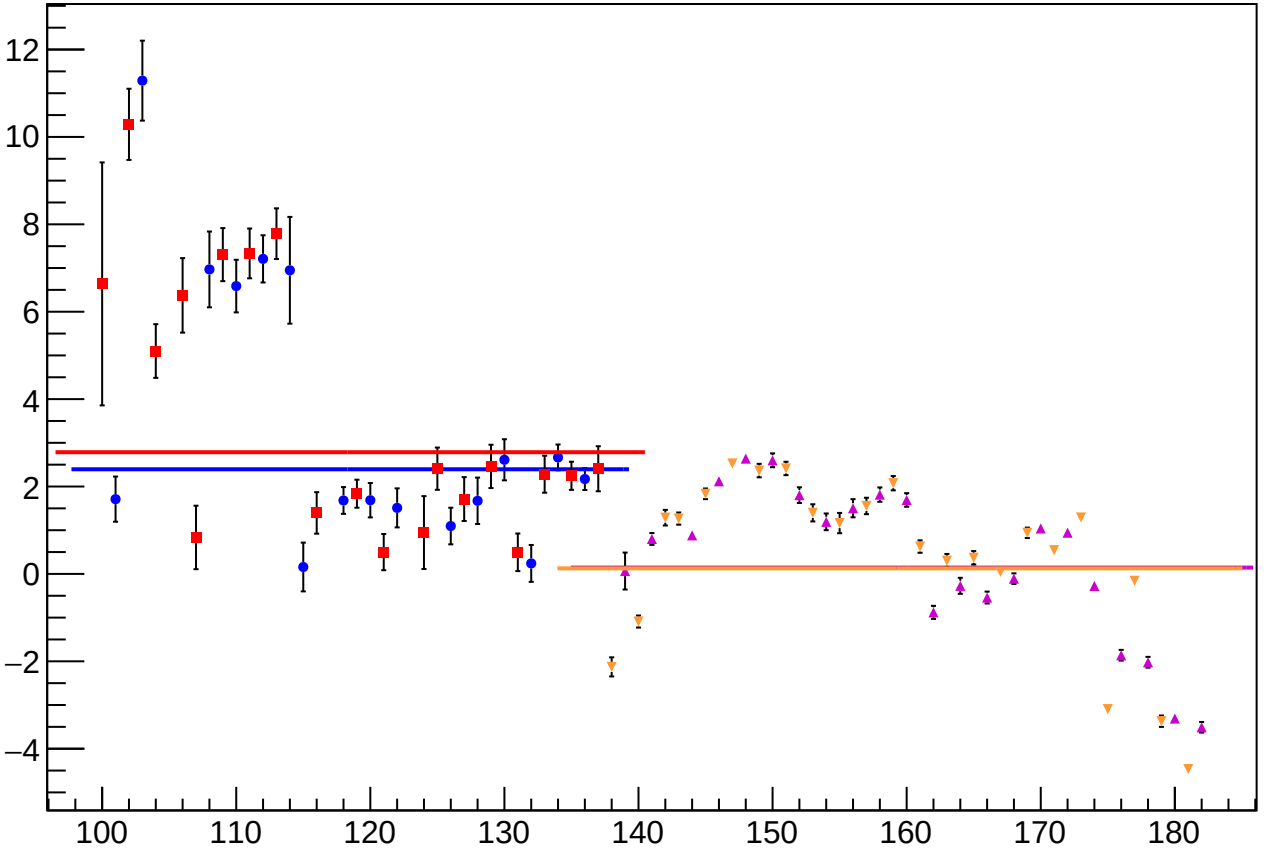
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 7.243+/-0.034 χ^2/NDF:13124.2/37

Out: 7.231+/-0.035 χ^2/NDF:15730.7/41

All: 7.237+/-0.024 χ^2/NDF: 28855.0/79

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 0.127+/-0.029 χ^2/NDF:5107.5/22

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 0.145+/-0.028 χ^2/NDF:4265.2/21

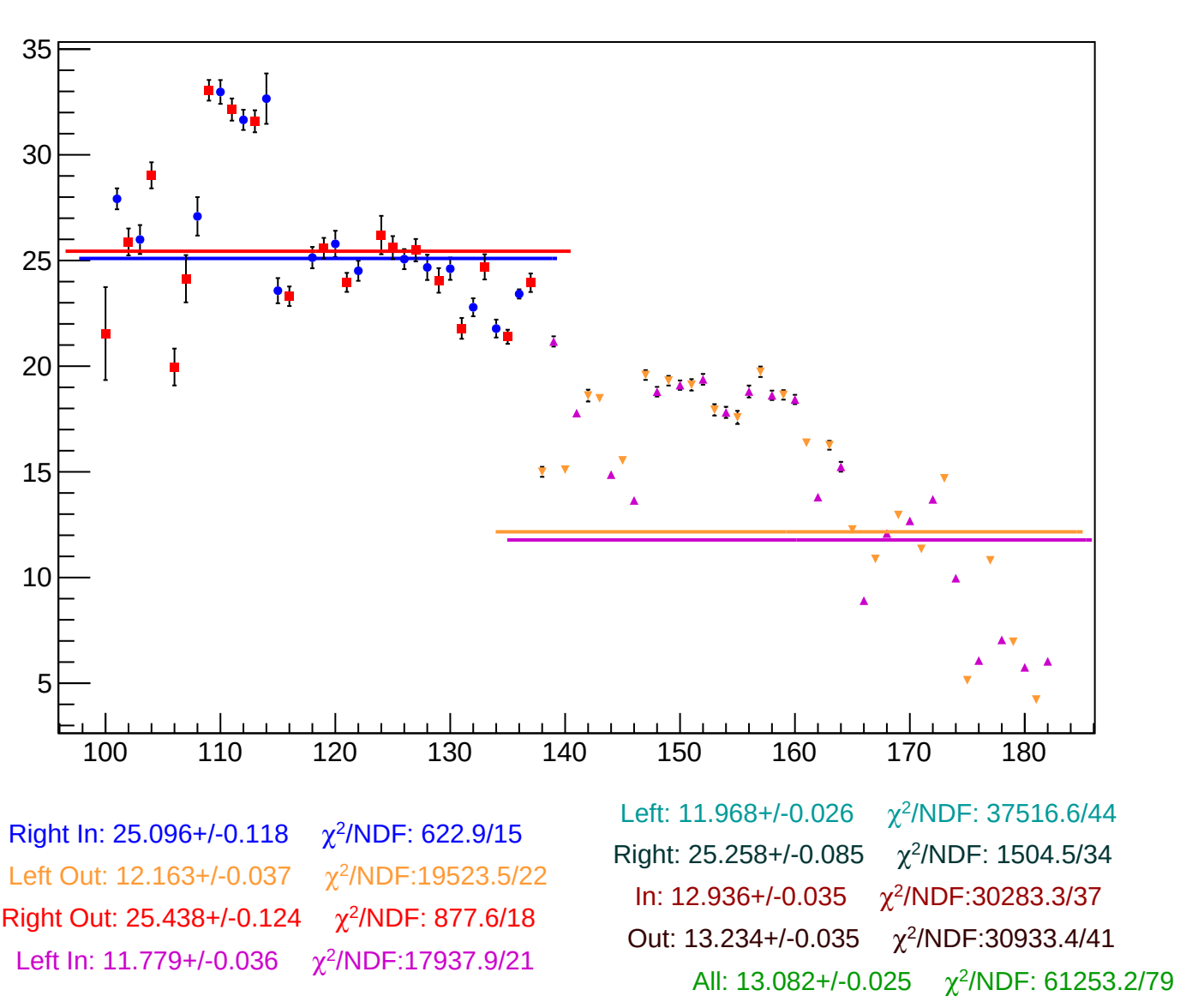
Left: 0.136+/-0.020 χ^2/NDF: 9372.9/44

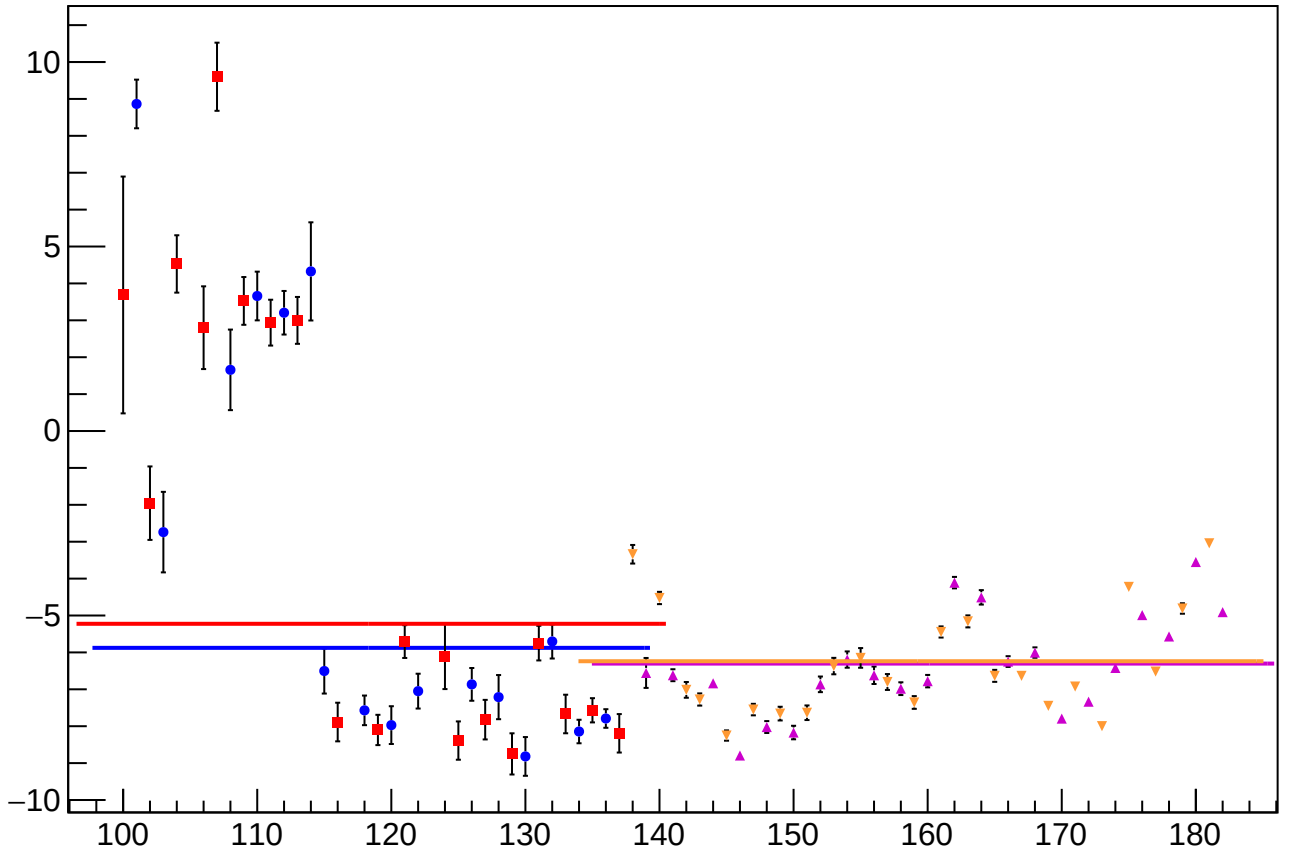
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 0.289+/-0.027 χ^2/NDF:5002.6/37

Out: 0.279+/-0.028 χ^2/NDF:6014.5/41

All: 0.284+/-0.019 χ^2/NDF: 11017.2/79


reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 25.096+/-0.118 χ2/NDF: 622.9/15
Left Out: 12.163+/-0.037 χ2/NDF:19523.5/22
Right Out: 25.438+/-0.124 χ2/NDF: 877.6/18
Left In: 11.779+/-0.036 χ2/NDF:17937.9/21
Left: 11.968+/-0.026 χ2/NDF: 37516.6/44
Right: 25.258+/-0.085 χ2/NDF: 1504.5/34
In: 12.936+/-0.035 χ2/NDF:30283.3/37
Out: 13.234+/-0.035 χ2/NDF:30933.4/41
All: 13.082+/-0.025 χ2/NDF: 61253.2/79



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.239+/-0.032 χ^2/NDF:2292.0/22

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.303+/-0.032 χ^2/NDF:2026.5/21

Left: -6.271+/-0.023 χ^2/NDF: 4320.5/44

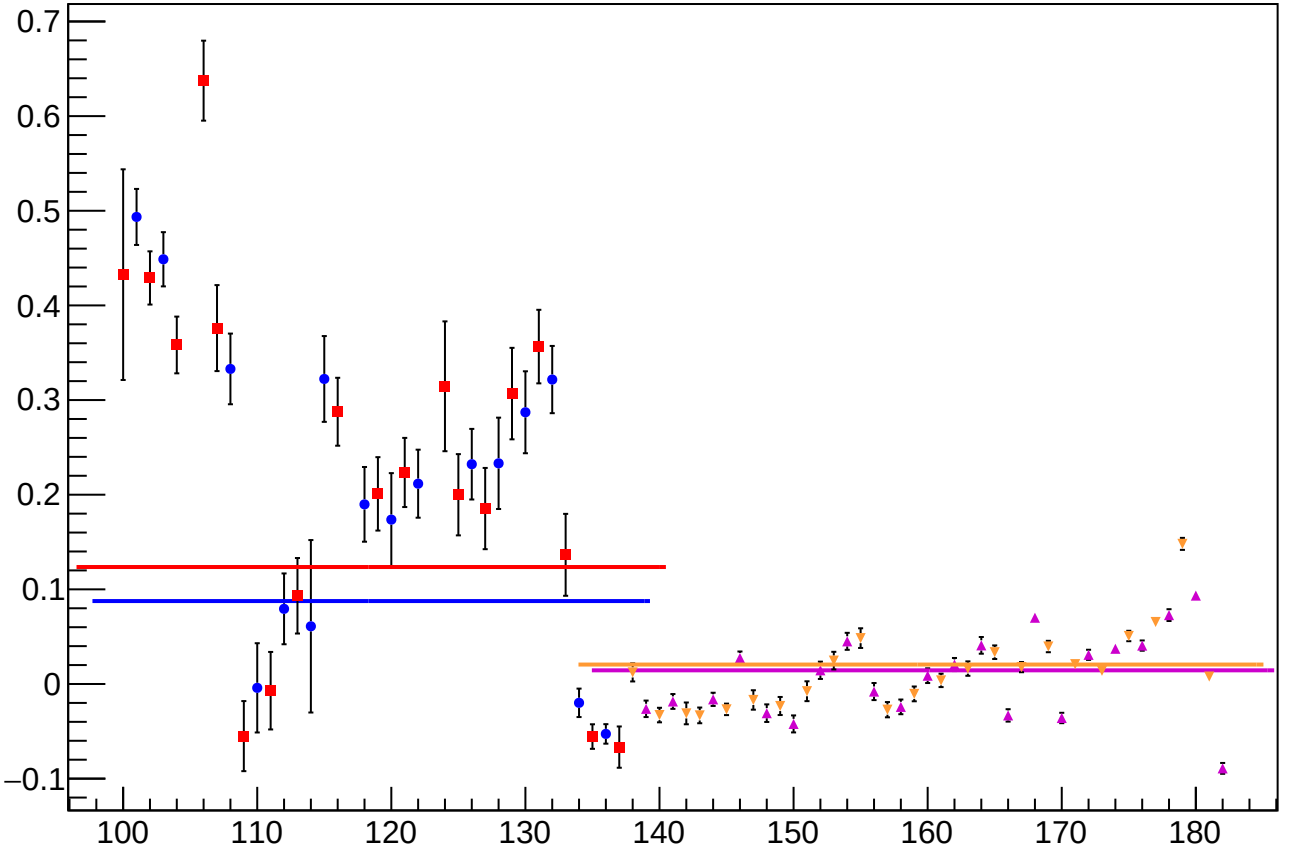
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.275+/-0.031 χ^2/NDF:3289.6/37

Out: -6.181+/-0.031 χ^2/NDF:3641.9/41

All: -6.229+/-0.022 χ^2/NDF: 6936.2/79

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: 0.021+/-0.001 χ^2/NDF:809.5/22

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.014+/-0.001 χ^2/NDF:1116.5/21

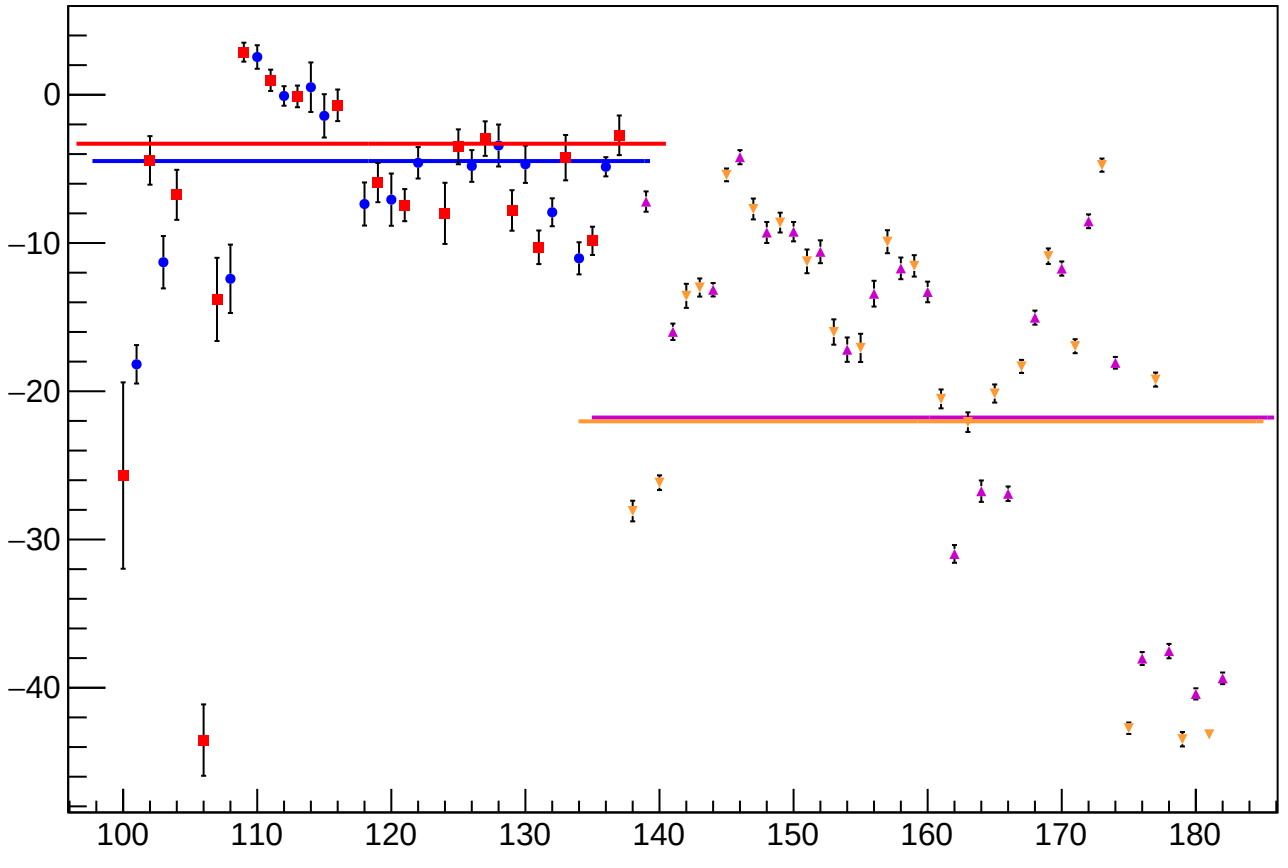
Left: 0.017+/-0.001 χ^2/NDF: 1935.1/44

Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.018+/-0.001 χ^2/NDF:2002.3/37

Out: 0.024+/-0.001 χ^2/NDF:1762.1/41

All: 0.021+/-0.001 χ^2/NDF: 3775.9/79



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -22.027+/-0.114 χ^2/NDF:14444.2/22

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -21.772+/-0.112 χ^2/NDF:12464.7/21

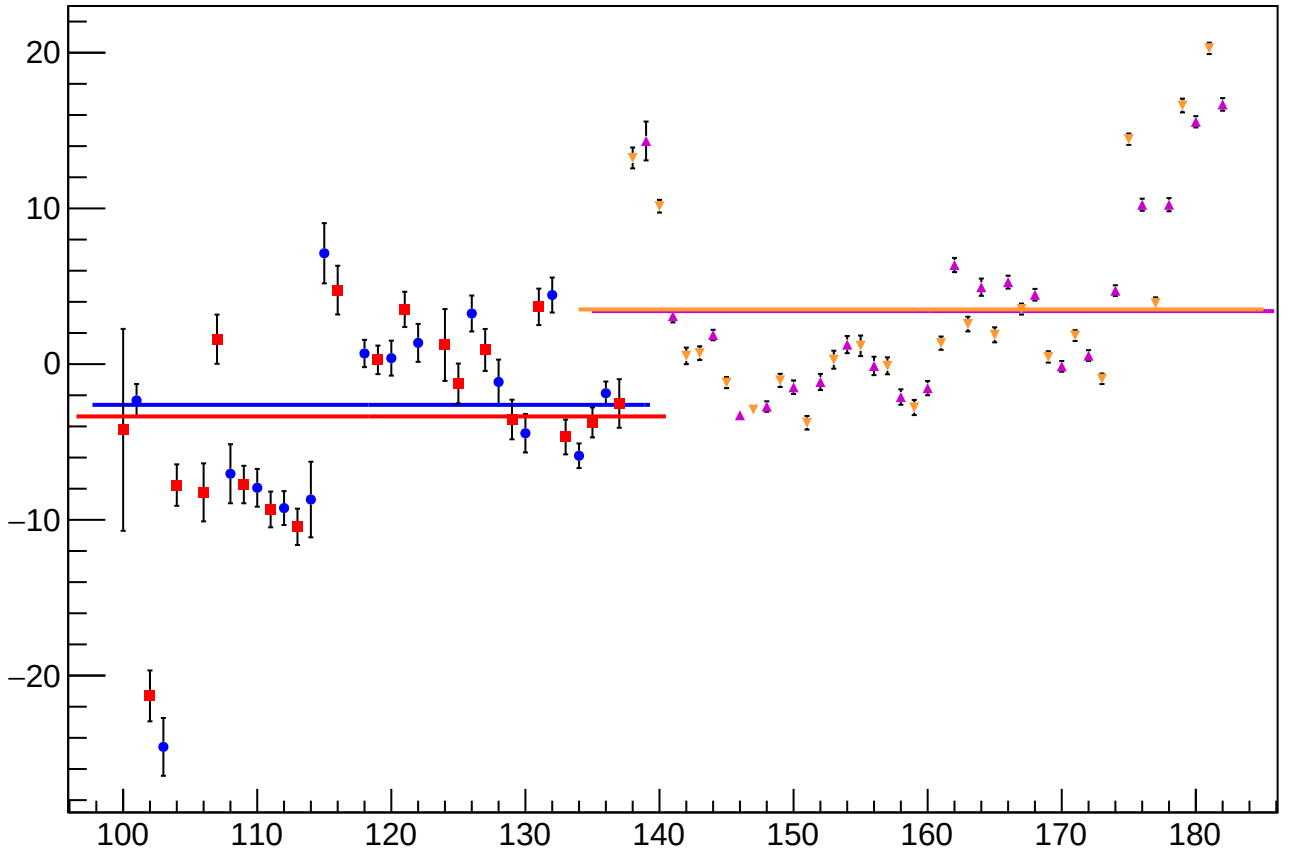
Left: -21.898+/-0.080 χ^2/NDF: 26911.4/44

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -19.190+/-0.104 χ^2/NDF:16330.8/37

Out: -19.041+/-0.104 χ^2/NDF:19360.9/41

All: -19.116+/-0.073 χ^2/NDF: 35692.7/79



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 3.513+/-0.087 χ^2/NDF:5952.0/22

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 3.406+/-0.087 χ^2/NDF:4509.6/21

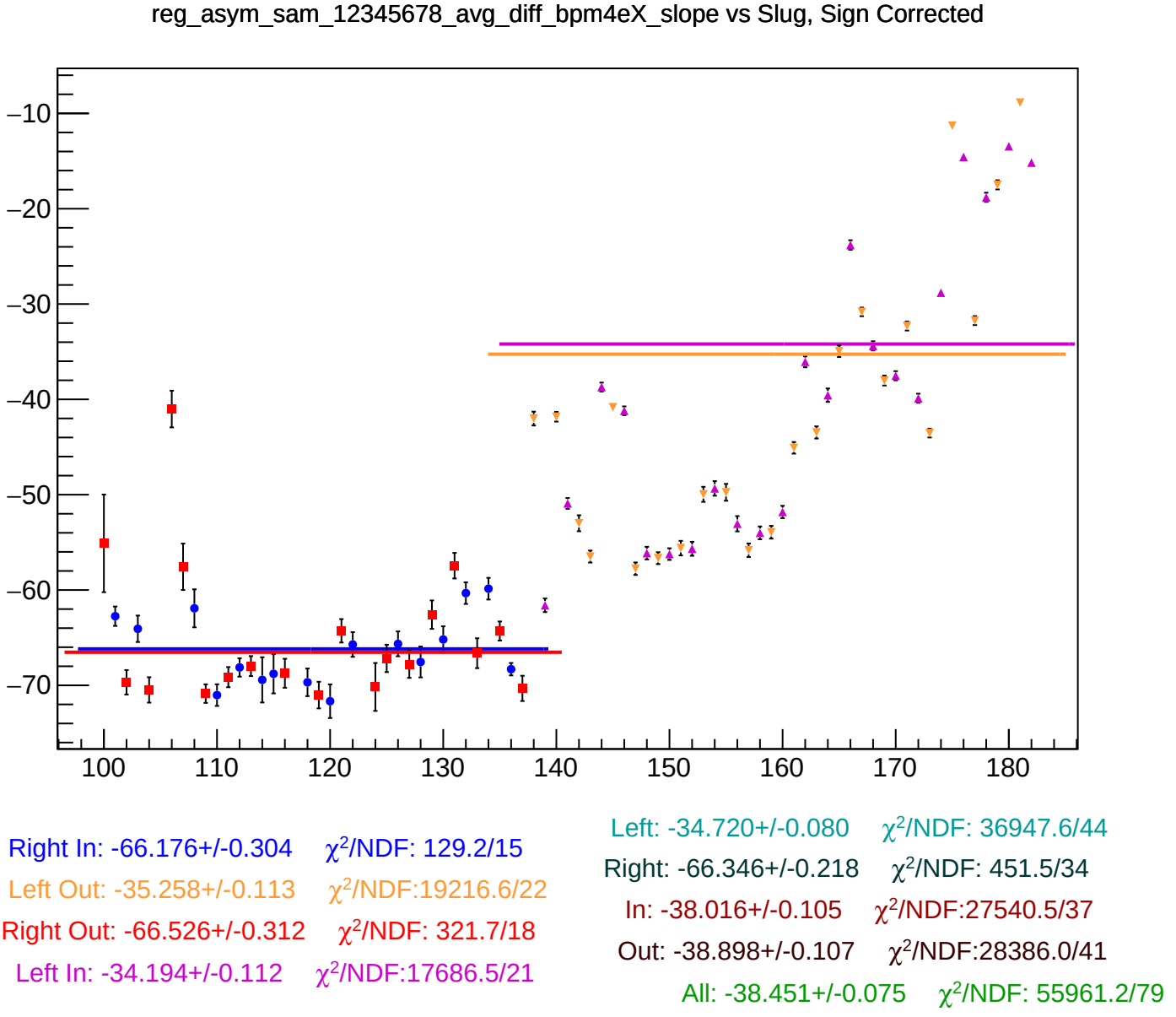
Left: 3.459+/-0.061 χ^2/NDF: 10462.3/44

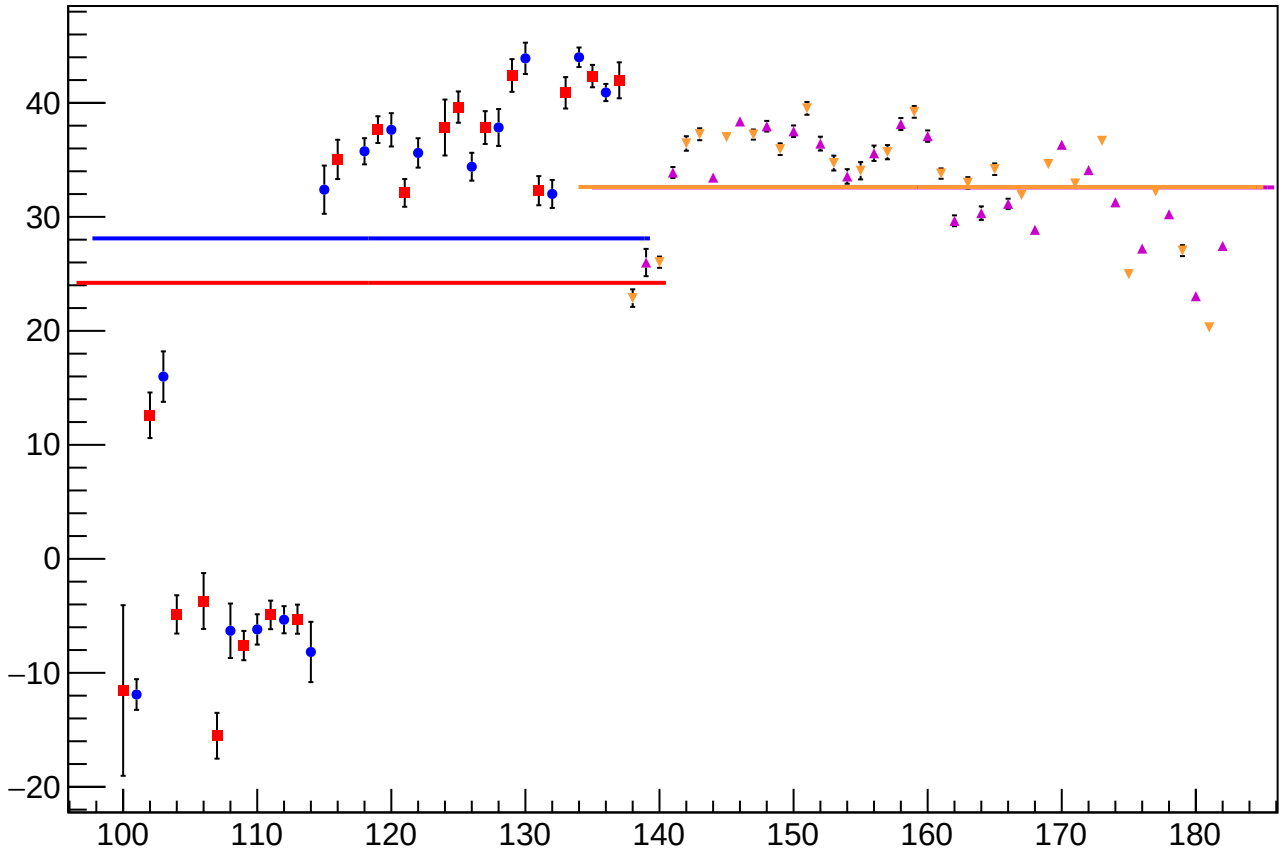
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 2.897+/-0.083 χ^2/NDF:5268.0/37

Out: 2.975+/-0.084 χ^2/NDF:6799.3/41

All: 2.936+/-0.059 χ^2/NDF: 12067.8/79


reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
180
Right In: -66.176+/-0.304 χ²/NDF: 129.2/15
Left Out: -35.258+/-0.113 χ²/NDF:19216.6/22
Right Out: -66.526+/-0.312 χ²/NDF: 321.7/18
Left In: -34.194+/-0.112 χ²/NDF:17686.5/21
Left: -34.720+/-0.080 χ²/NDF: 36947.6/44
Right: -66.346+/-0.218 χ²/NDF: 451.5/34
In: -38.016+/-0.105 χ²/NDF:27540.5/37
Out: -38.898+/-0.107 χ²/NDF:28386.0/41
All: -38.451+/-0.075 χ²/NDF: 55961.2/79



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 32.622+/-0.098 χ^2/NDF:2779.0/22

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 32.584+/-0.098 χ^2/NDF:2011.6/21

Left: 32.603+/-0.069 χ^2/NDF: 4790.7/44

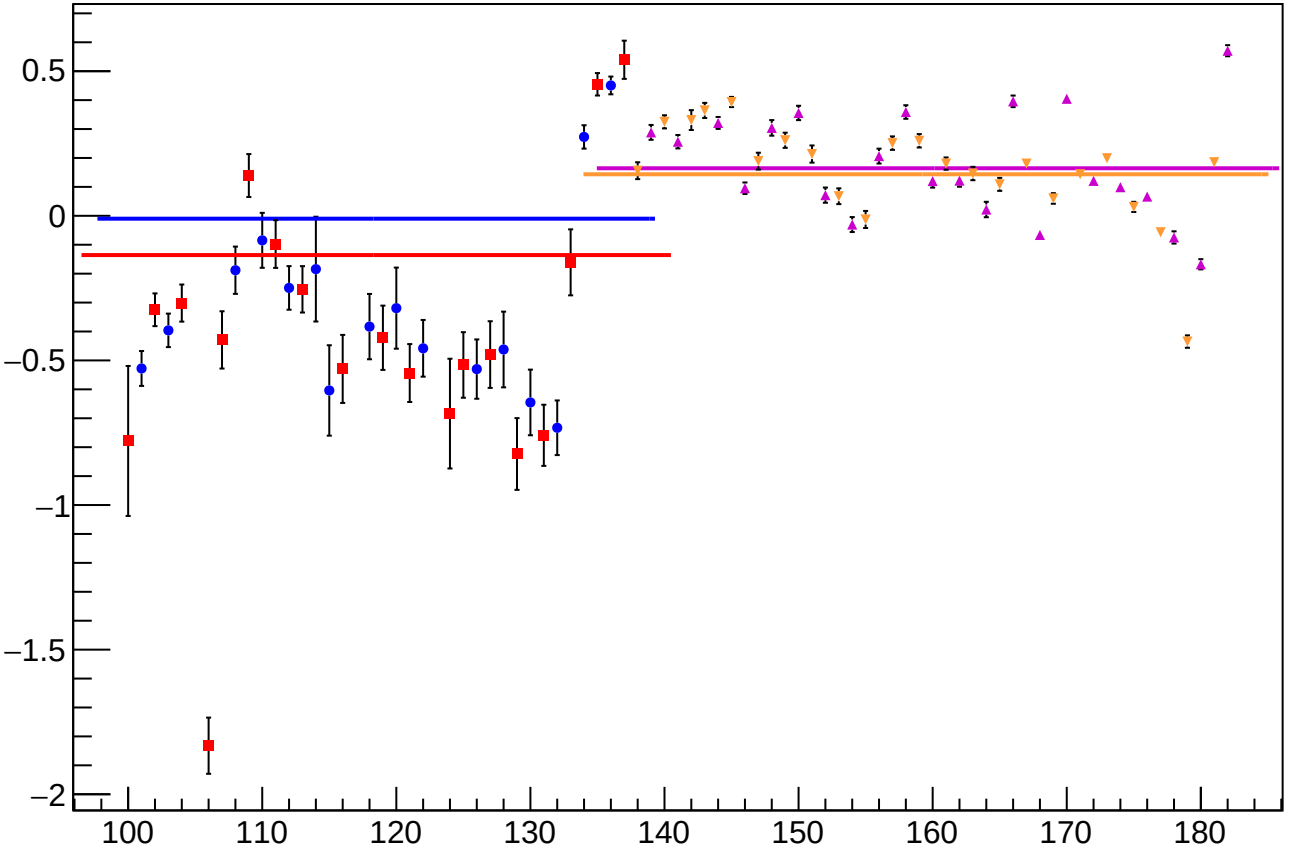
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 32.204+/-0.093 χ^2/NDF:5918.0/37

Out: 31.961+/-0.094 χ^2/NDF:7199.2/41

All: 32.083+/-0.066 χ^2/NDF: 13120.6/79

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.144+/-0.004 χ^2/NDF:1433.9/22

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.164+/-0.004 χ^2/NDF:1899.1/21

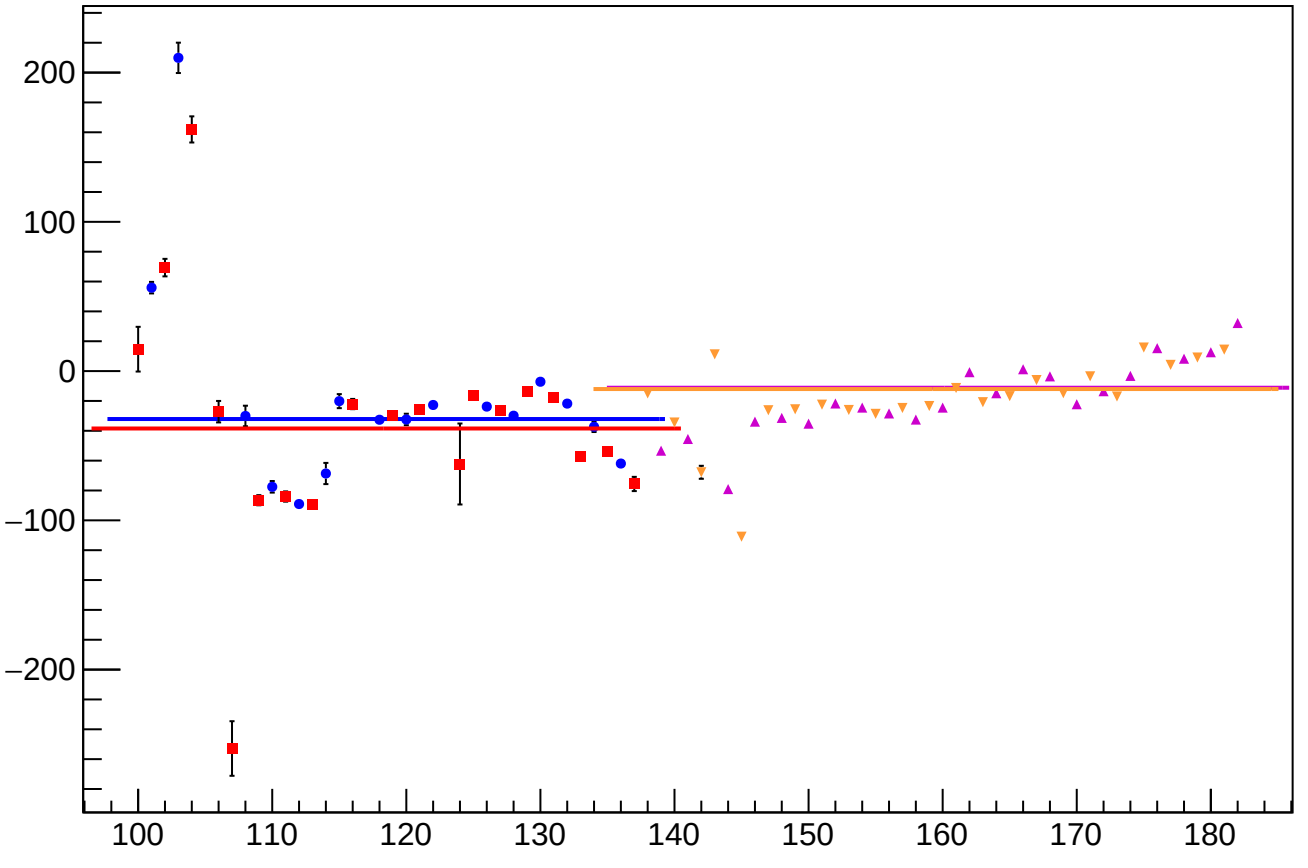
Left: 0.154+/-0.003 χ^2/NDF: 3344.2/44

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.154+/-0.004 χ^2/NDF:2581.7/37

Out: 0.129+/-0.004 χ^2/NDF:2461.1/41

All: 0.142+/-0.003 χ^2/NDF: 5059.9/79



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -12.026+/-0.540 χ^2/NDF:2047.4/22

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -11.149+/-0.534 χ^2/NDF:2399.9/21

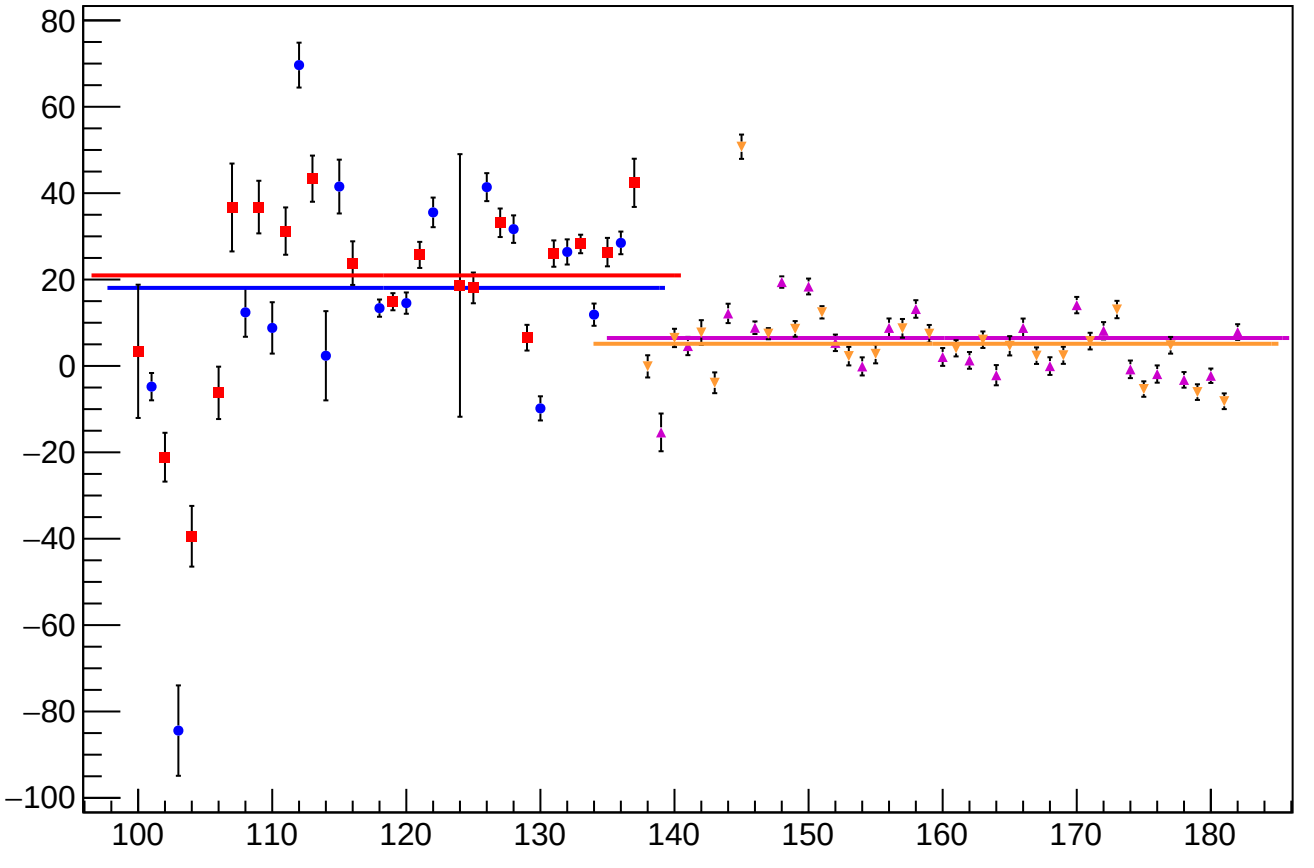
Left: -11.582+/-0.380 χ^2/NDF: 4448.6/44

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -17.151+/-0.451 χ^2/NDF:4719.2/37

Out: -19.454+/-0.458 χ^2/NDF:4692.3/41

All: -18.284+/-0.321 χ^2/NDF: 9424.4/79



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 5.131+/-0.406 χ^2/NDF:468.0/22

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 6.464+/-0.412 χ^2/NDF:336.0/21

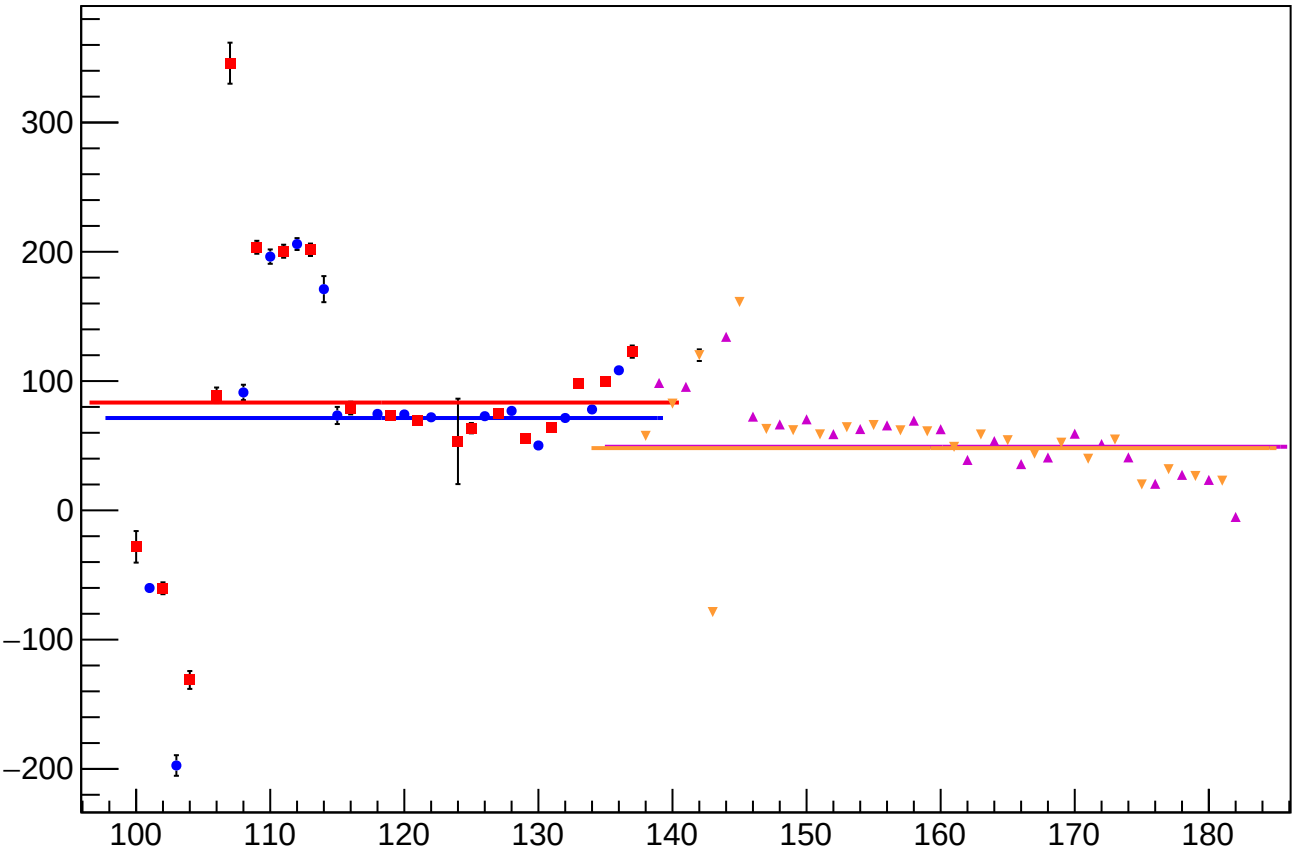
Left: 5.789+/-0.289 χ^2/NDF: 809.2/44

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 8.789+/-0.368 χ^2/NDF:994.6/37

Out: 7.973+/-0.368 χ^2/NDF:1003.1/41

All: 8.381+/-0.260 χ^2/NDF: 2000.2/79



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 48.139+/-0.534 χ^2/NDF:3883.6/22

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 49.193+/-0.528 χ^2/NDF:3200.1/21

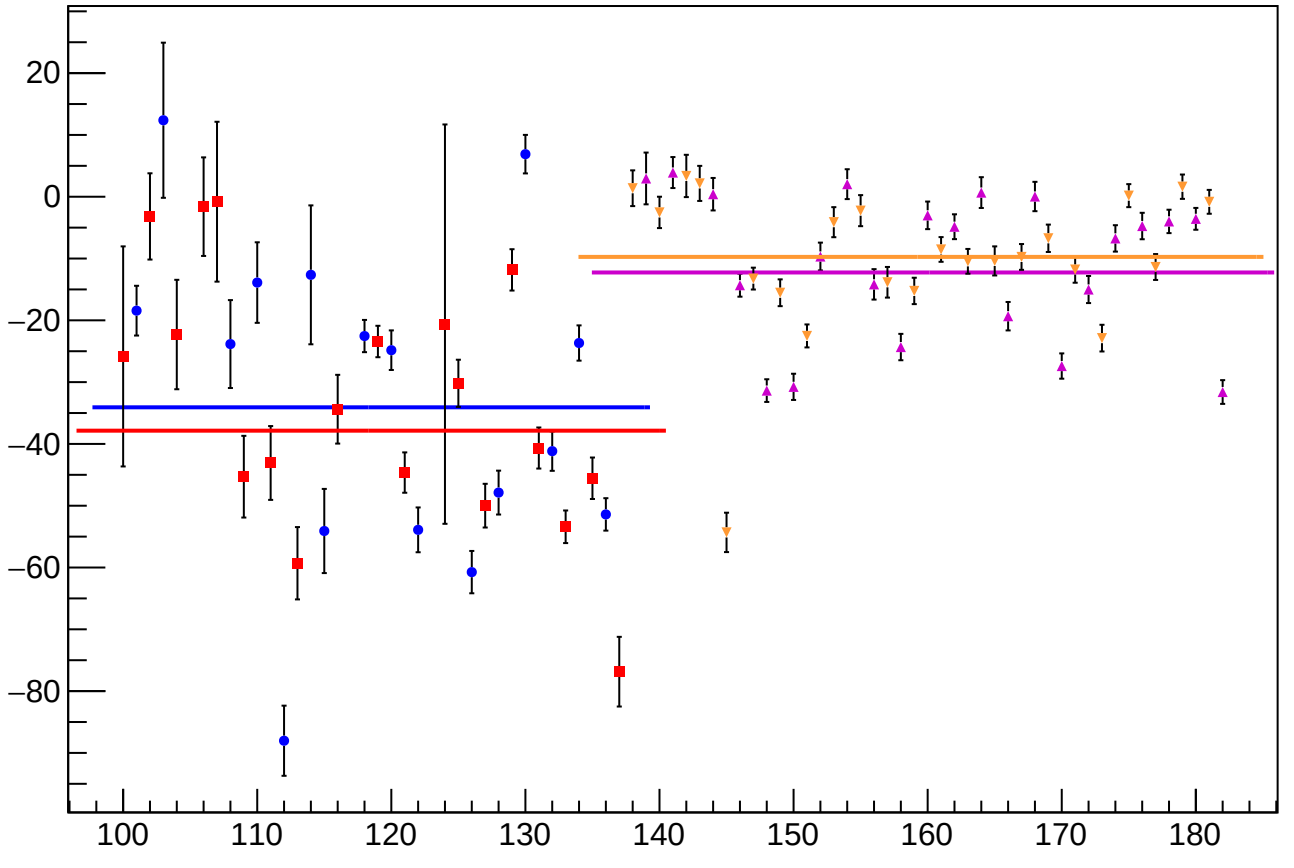
Left: 48.672+/-0.376 χ^2/NDF: 7085.7/44

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 54.600+/-0.459 χ^2/NDF:8450.9/37

Out: 56.148+/-0.470 χ^2/NDF:9170.0/41

All: 55.357+/-0.328 χ^2/NDF: 17626.5/79



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -9.735+/-0.461 χ^2/NDF:456.6/22

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -12.257+/-0.464 χ^2/NDF:646.5/21

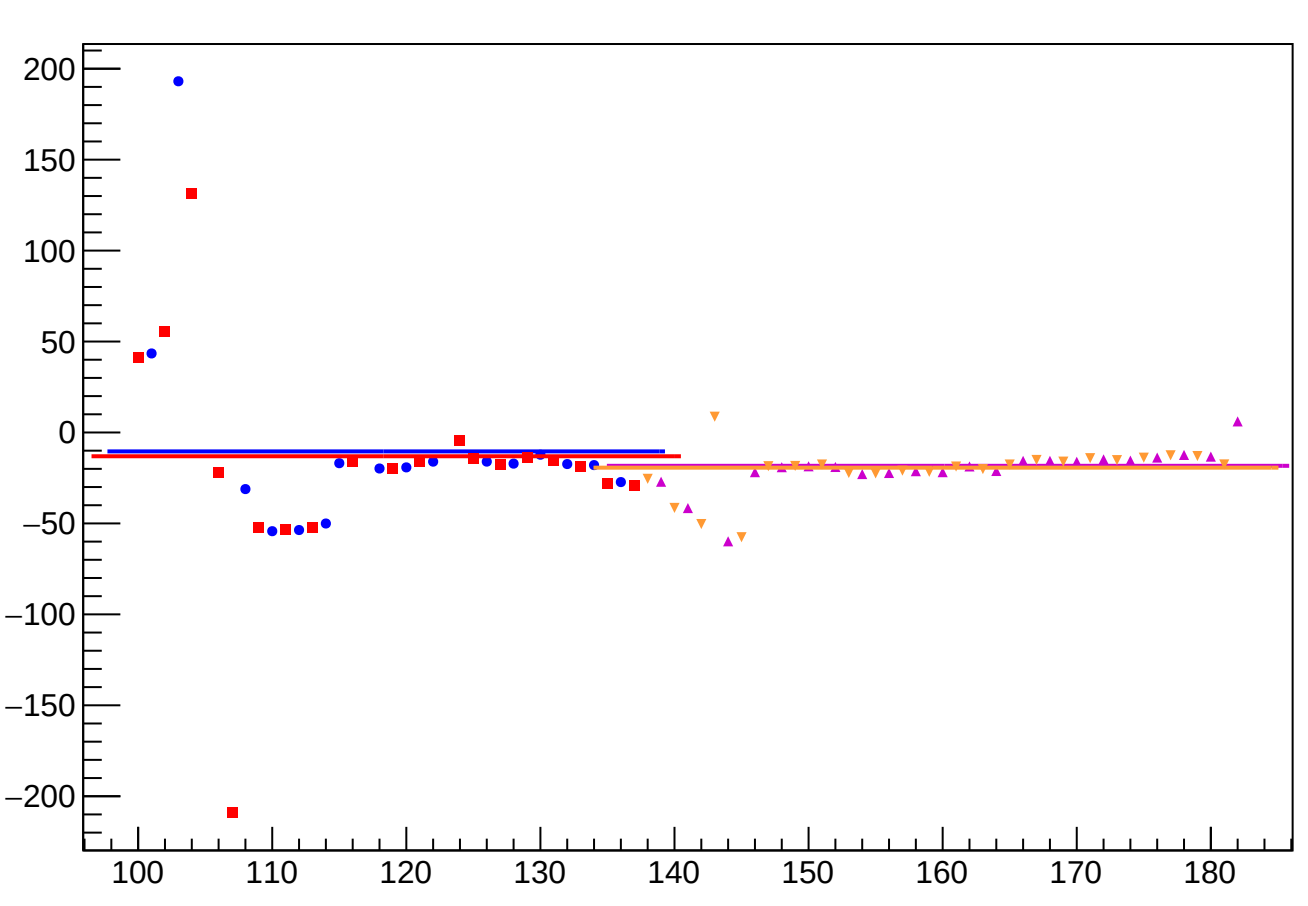
Left: -10.989+/-0.327 χ^2/NDF: 1118.0/44

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -16.510+/-0.416 χ^2/NDF:1589.5/37

Out: -14.715+/-0.418 χ^2/NDF:1390.1/41

All: -15.617+/-0.295 χ^2/NDF: 2988.8/79



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -19.345+/-0.021 χ^2/NDF:225552.6/22

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -18.328+/-0.021 χ^2/NDF:239923.7/21

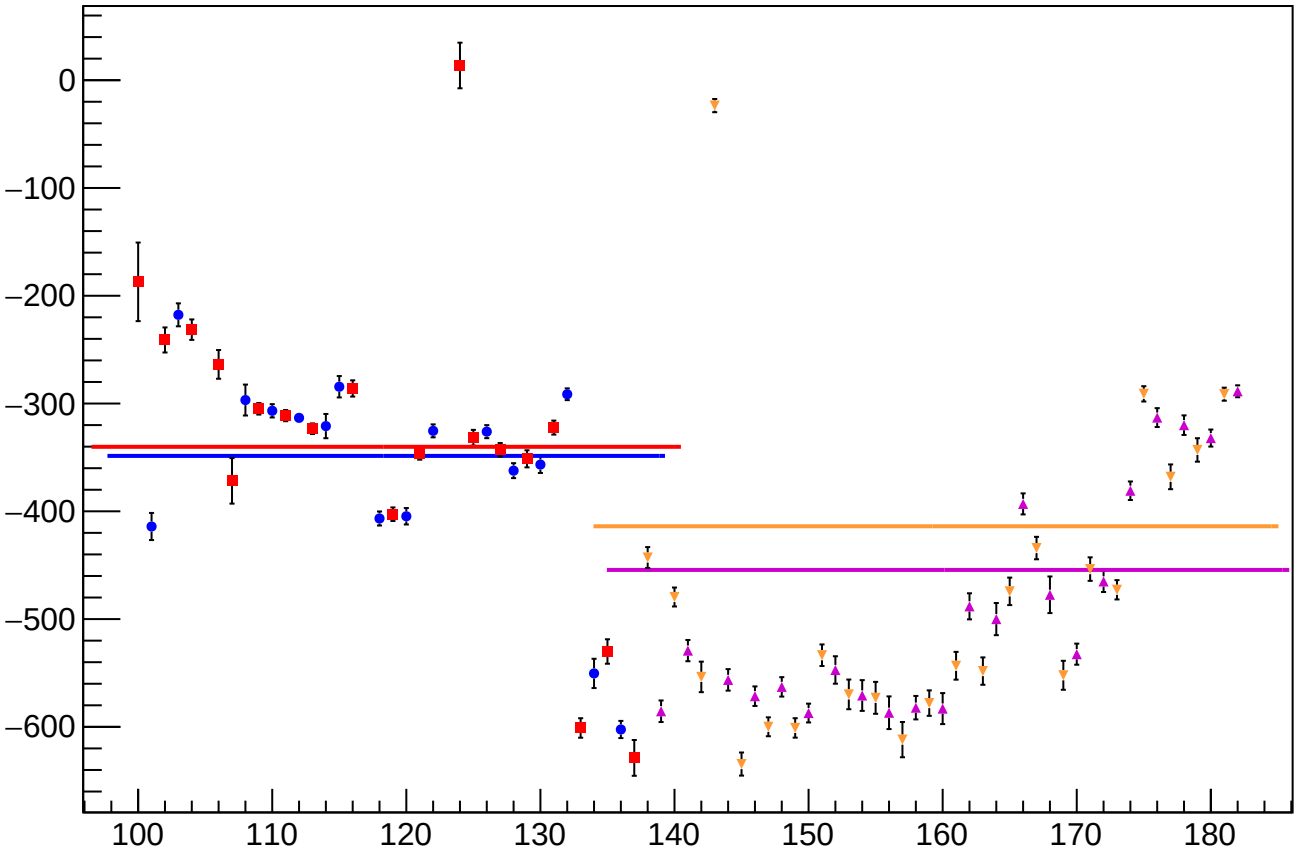
Left: -18.830+/-0.015 χ^2/NDF: 466689.5/44

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -17.414+/-0.019 χ^2/NDF:779481.8/37

Out: -18.723+/-0.020 χ^2/NDF:684196.7/41

All: -18.054+/-0.014 χ^2/NDF: 1465929.4/79



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -413.889+/-2.054 χ^2/NDF:7424.8/22

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -454.386+/-2.085 χ^2/NDF:3102.9/21

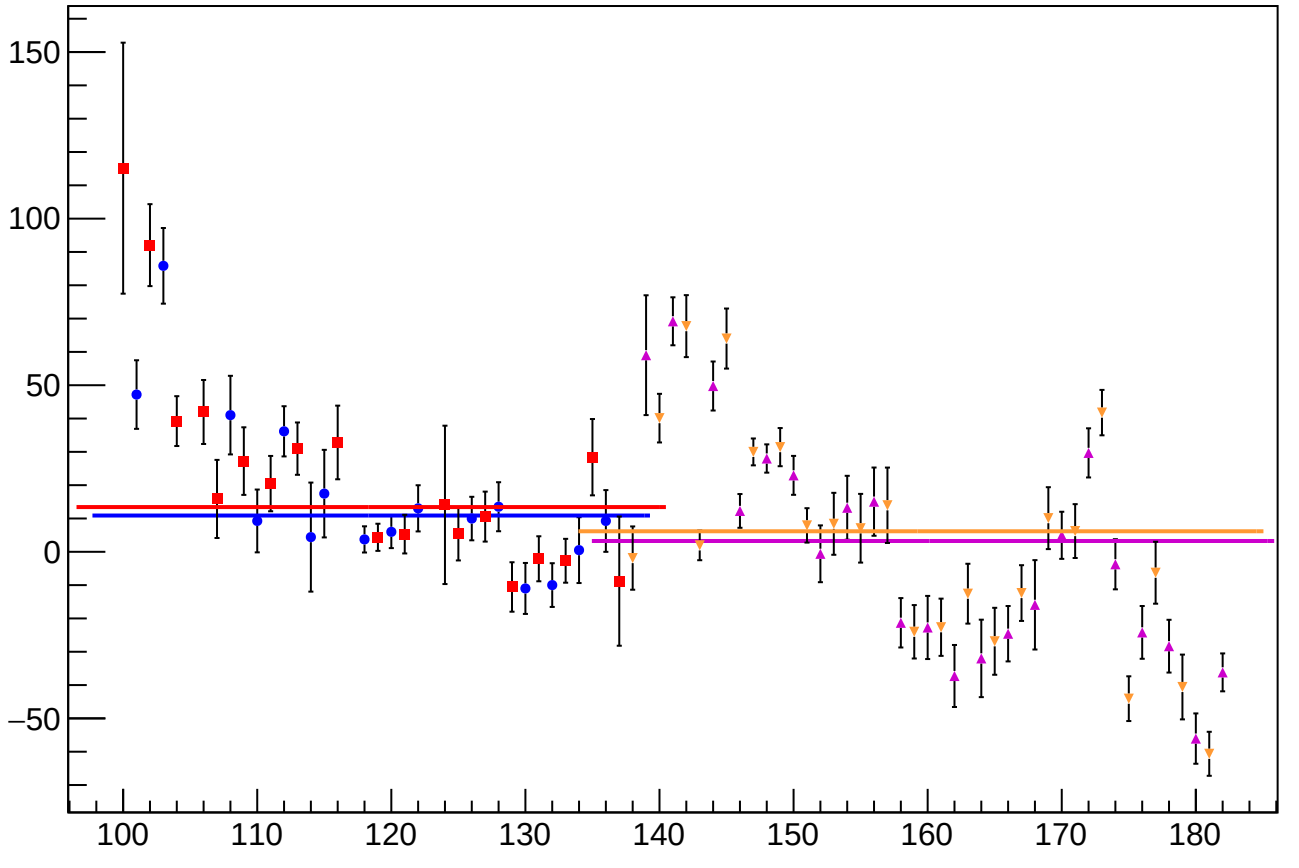
Left: -433.832+/-1.463 χ^2/NDF: 10719.1/44

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -394.472+/-1.373 χ^2/NDF:6419.3/37

Out: -371.356+/-1.336 χ^2/NDF:10365.5/41

All: -382.599+/-0.958 χ^2/NDF: 16930.3/79



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 6.164+/-1.502 χ^2/NDF:419.3/22

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 3.244+/-1.574 χ^2/NDF:395.8/21

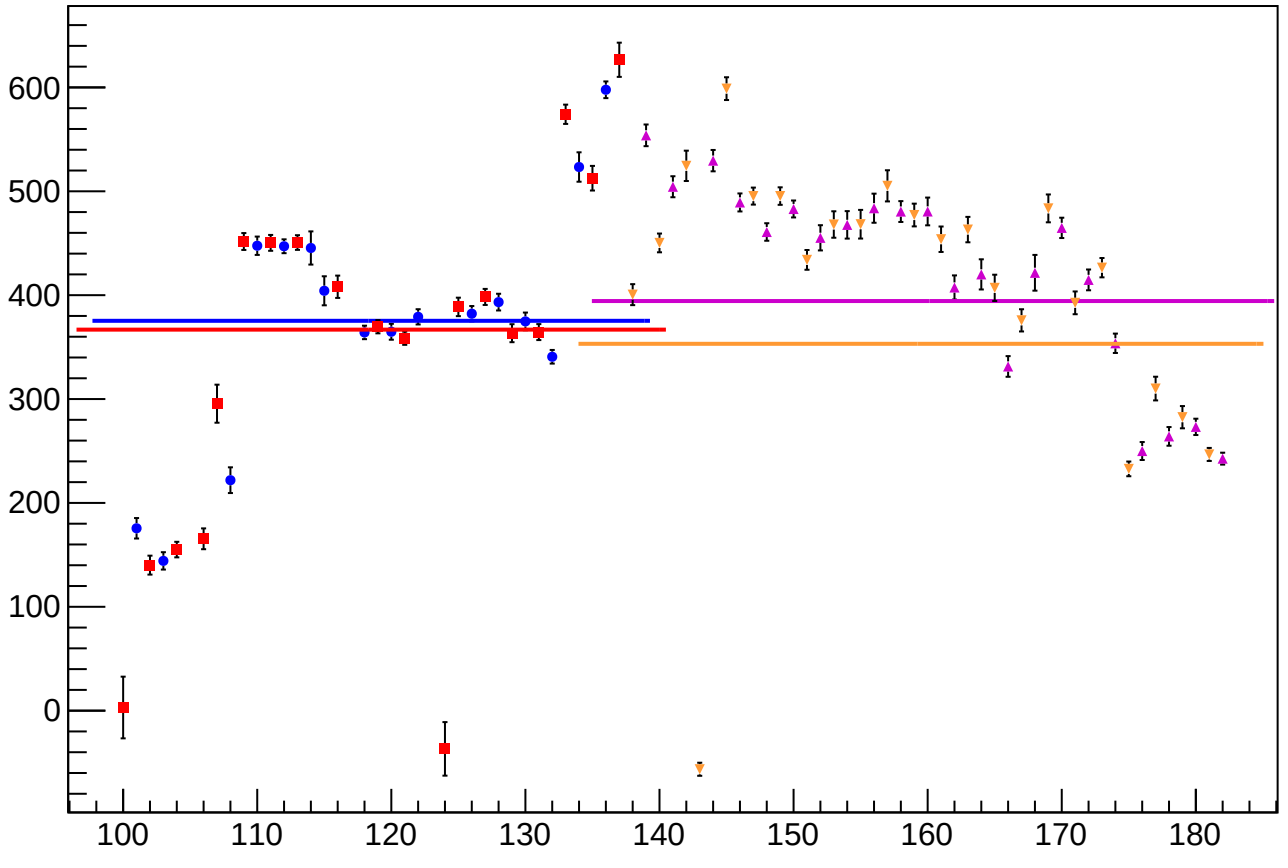
Left: 4.773+/-1.087 χ^2/NDF: 817.0/44

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 6.470+/-1.197 χ^2/NDF:504.0/37

Out: 9.040+/-1.167 χ^2/NDF:541.0/41

All: 7.788+/-0.836 χ^2/NDF: 1047.4/79



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 353.177+/-2.041 χ^2/NDF:7024.5/22

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 394.352+/-2.068 χ^2/NDF:2586.4/21

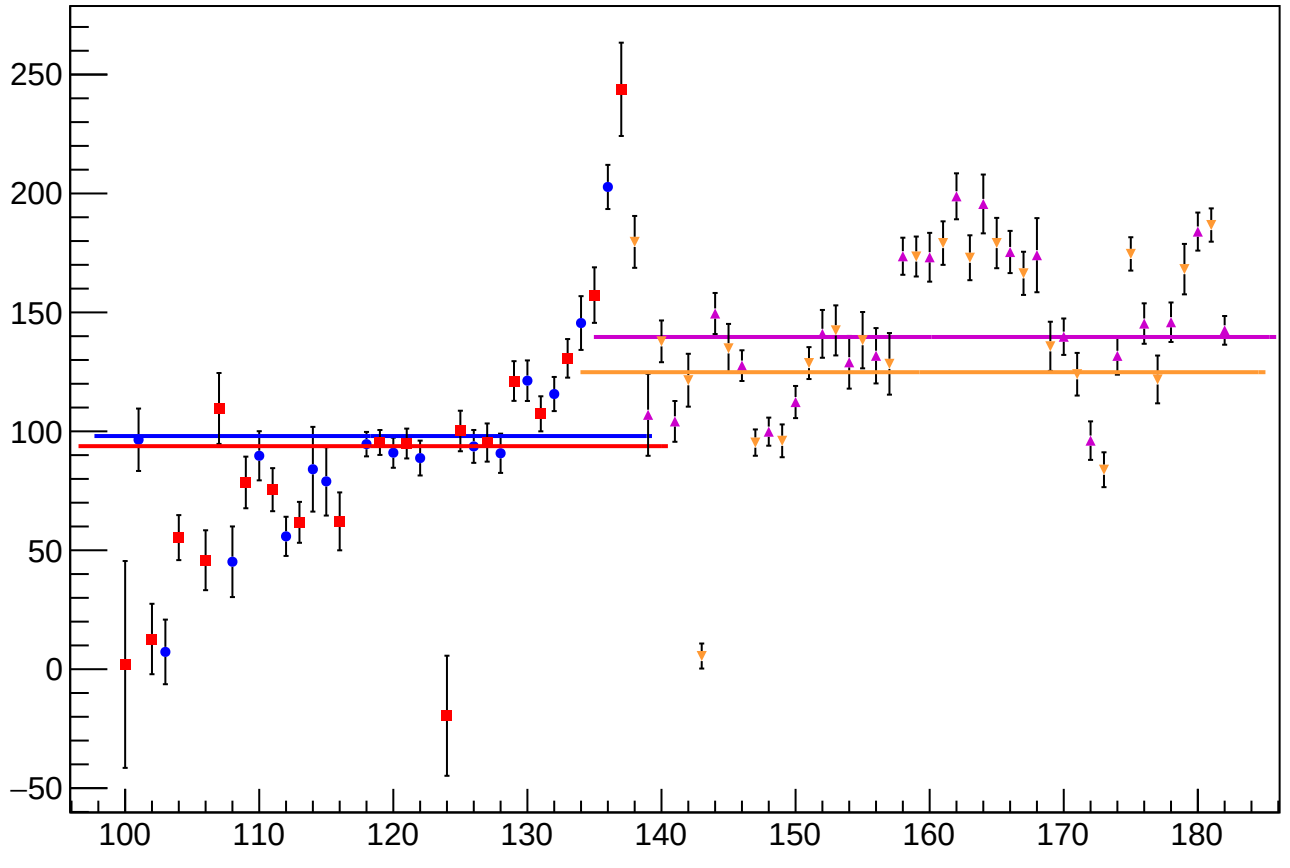
Left: 373.497+/-1.453 χ^2/NDF: 9811.7/44

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 384.996+/-1.474 χ^2/NDF:5077.5/37

Out: 359.975+/-1.446 χ^2/NDF:10587.9/41

All: 372.245+/-1.032 χ^2/NDF: 15812.2/79



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 124.866+/-1.737 χ^2/NDF:912.7/22

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 139.668+/-1.796 χ^2/NDF:259.2/21

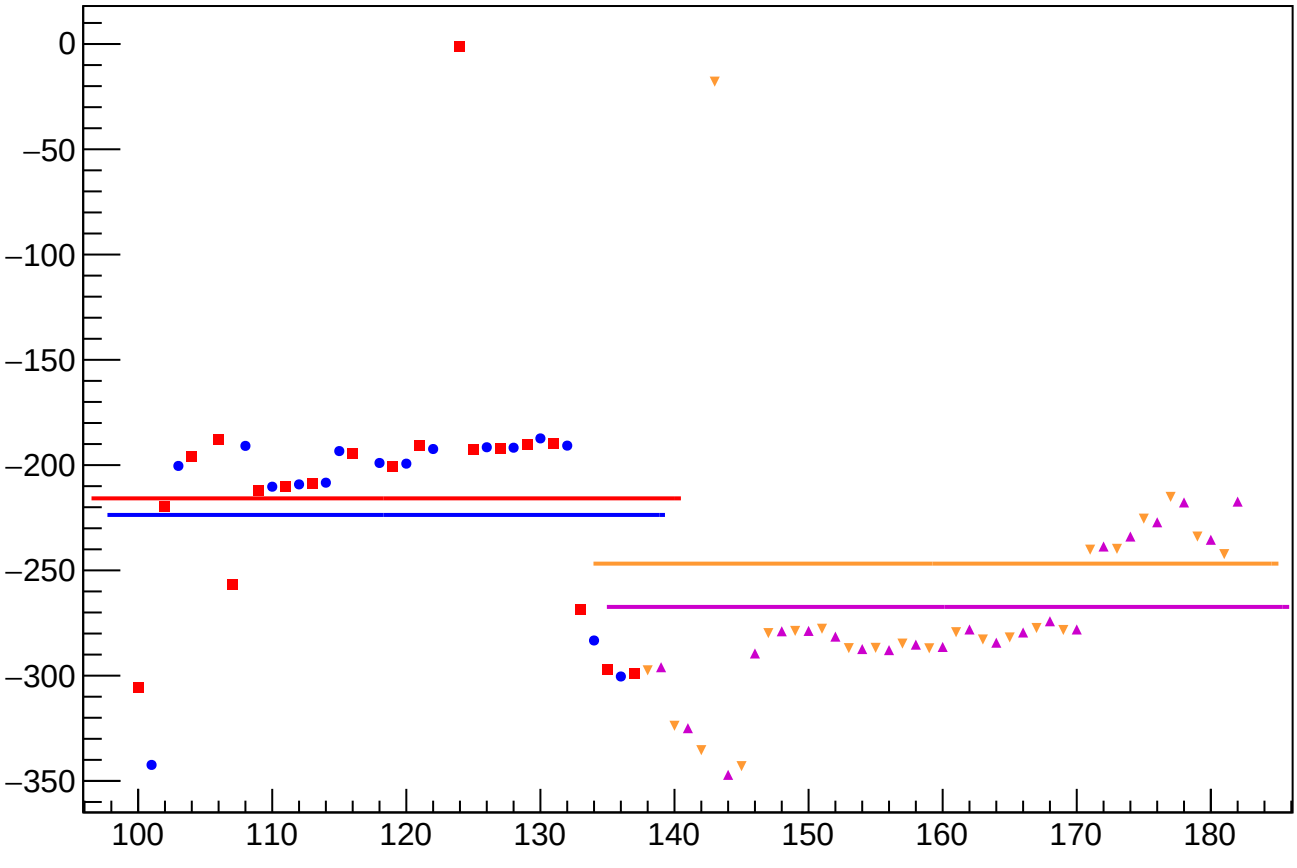
Left: 132.021+/-1.248 χ^2/NDF: 1207.1/44

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 122.500+/-1.377 χ^2/NDF:730.5/37

Out: 112.506+/-1.348 χ^2/NDF:1277.3/41

All: 117.399+/-0.963 χ^2/NDF: 2034.6/79



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -246.796+/-0.082 χ^2/NDF:986452.5/22

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -267.353+/-0.082 χ^2/NDF:160706.6/21

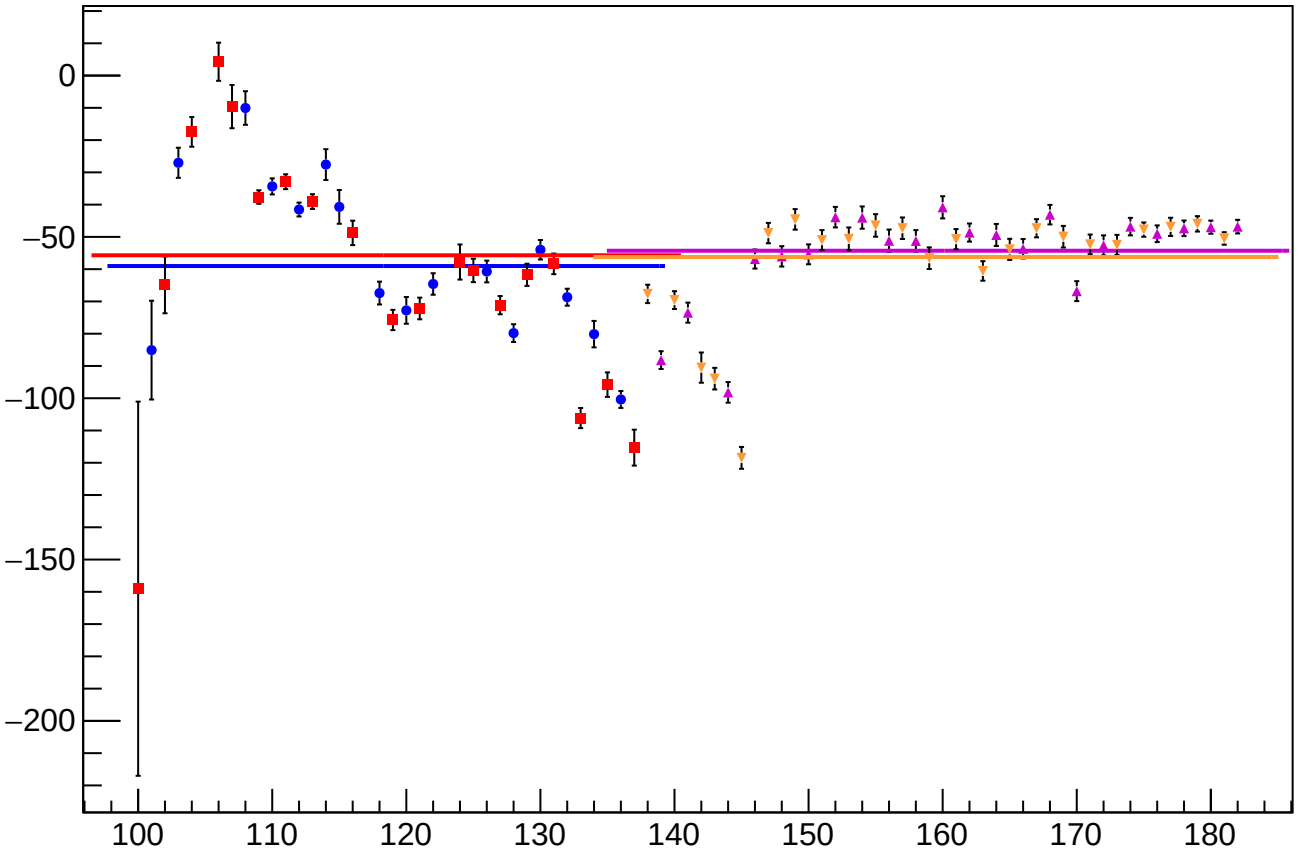
Left: -257.039+/-0.058 χ^2/NDF: 1178826.2/44

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -256.024+/-0.070 χ^2/NDF:356157.4/37

Out: -238.446+/-0.070 χ^2/NDF:1106897.4/41

All: -247.145+/-0.050 χ^2/NDF: 1494527.7/79



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -56.236+/-0.618 χ^2/NDF:671.8/22

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -54.290+/-0.614 χ^2/NDF:495.7/21

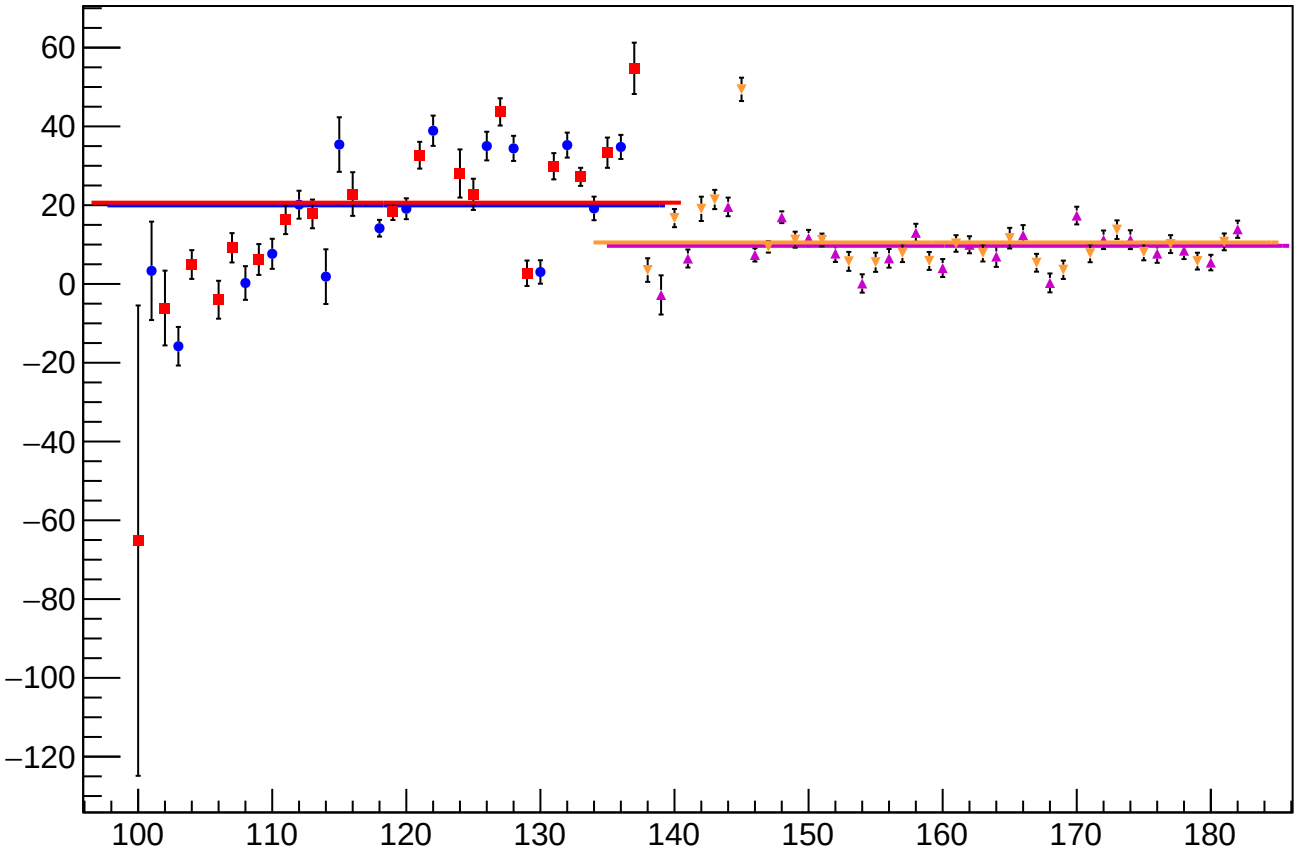
Left: -55.257+/-0.435 χ^2/NDF: 1172.5/44

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -55.968+/-0.493 χ^2/NDF:1244.1/37

Out: -56.033+/-0.487 χ^2/NDF:1713.3/41

All: -56.001+/-0.346 χ^2/NDF: 2957.4/79



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.540+/-0.462 χ^2/NDF:252.1/22

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.687+/-0.471 χ^2/NDF:119.3/21

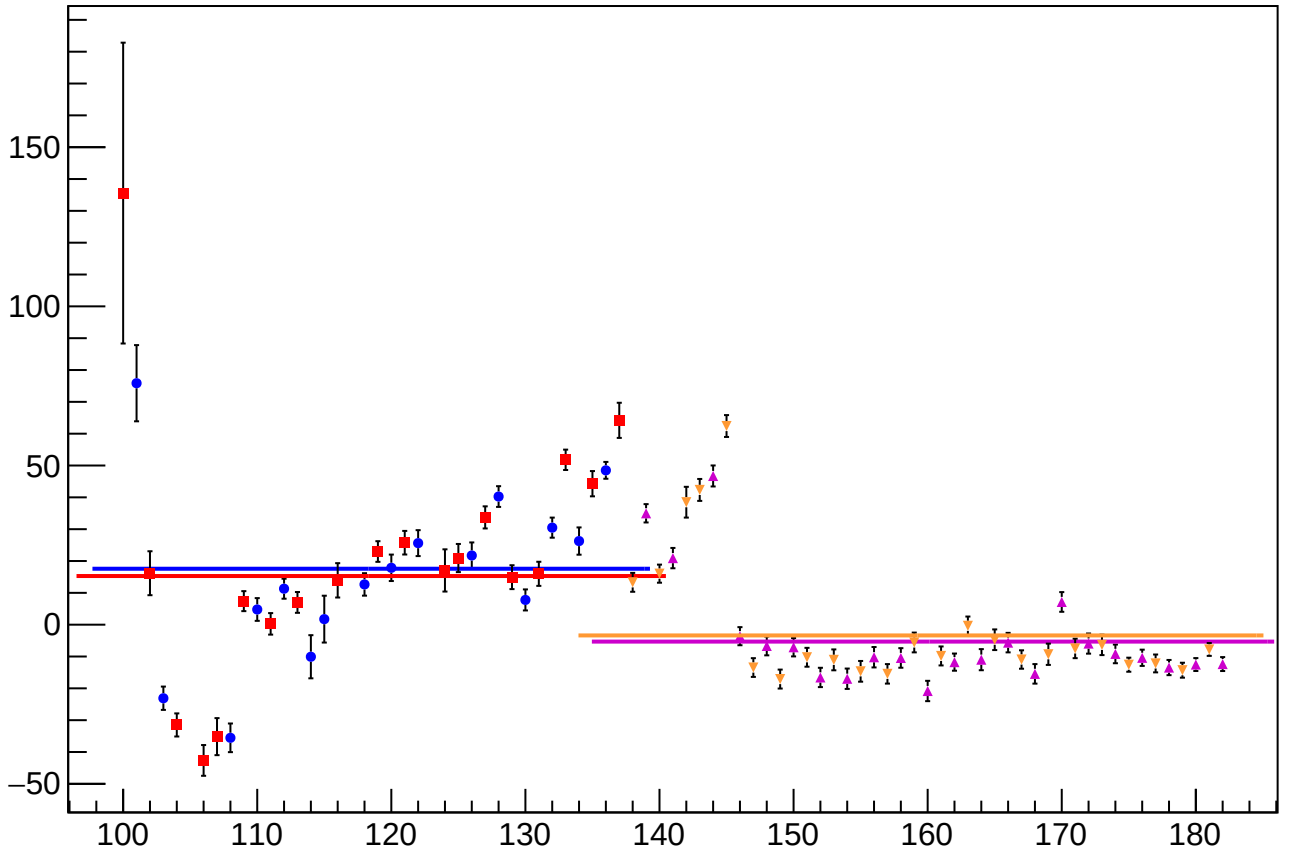
Left: 10.122+/-0.330 χ^2/NDF: 373.0/44

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 12.020+/-0.414 χ^2/NDF:474.5/37

Out: 12.869+/-0.405 χ^2/NDF:587.1/41

All: 12.454+/-0.289 χ^2/NDF: 1063.8/79



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -3.377+/-0.610 χ^2/NDF:840.0/22

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: -5.316+/-0.606 χ^2/NDF:645.2/21

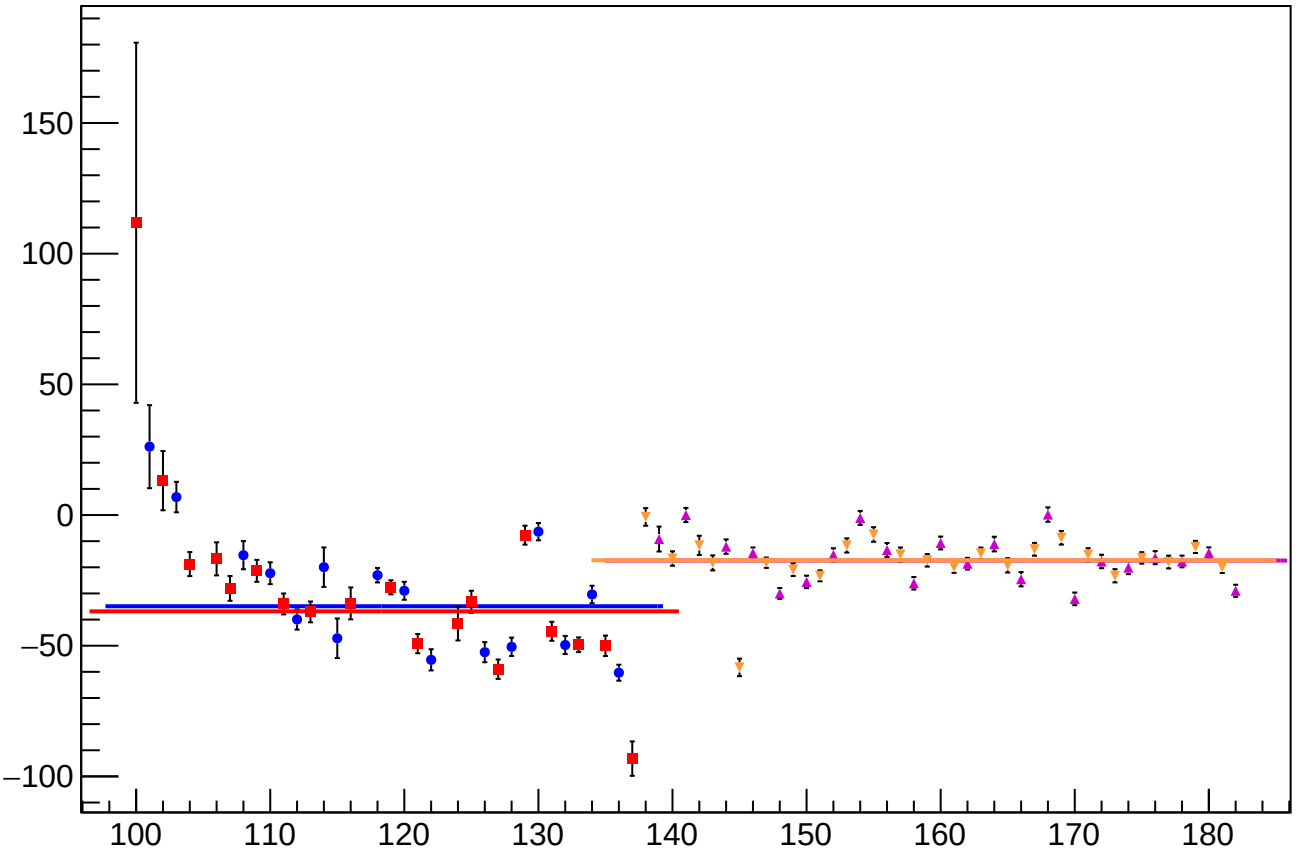
Left: -4.353+/-0.430 χ^2/NDF: 1490.3/44

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 1.246+/-0.512 χ^2/NDF:1599.8/37

Out: 2.204+/-0.511 χ^2/NDF:1849.8/41

All: 1.726+/-0.362 χ^2/NDF: 3451.4/79



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.310+/-0.525 χ^2/NDF:233.4/22

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -17.414+/-0.531 χ^2/NDF:275.5/21

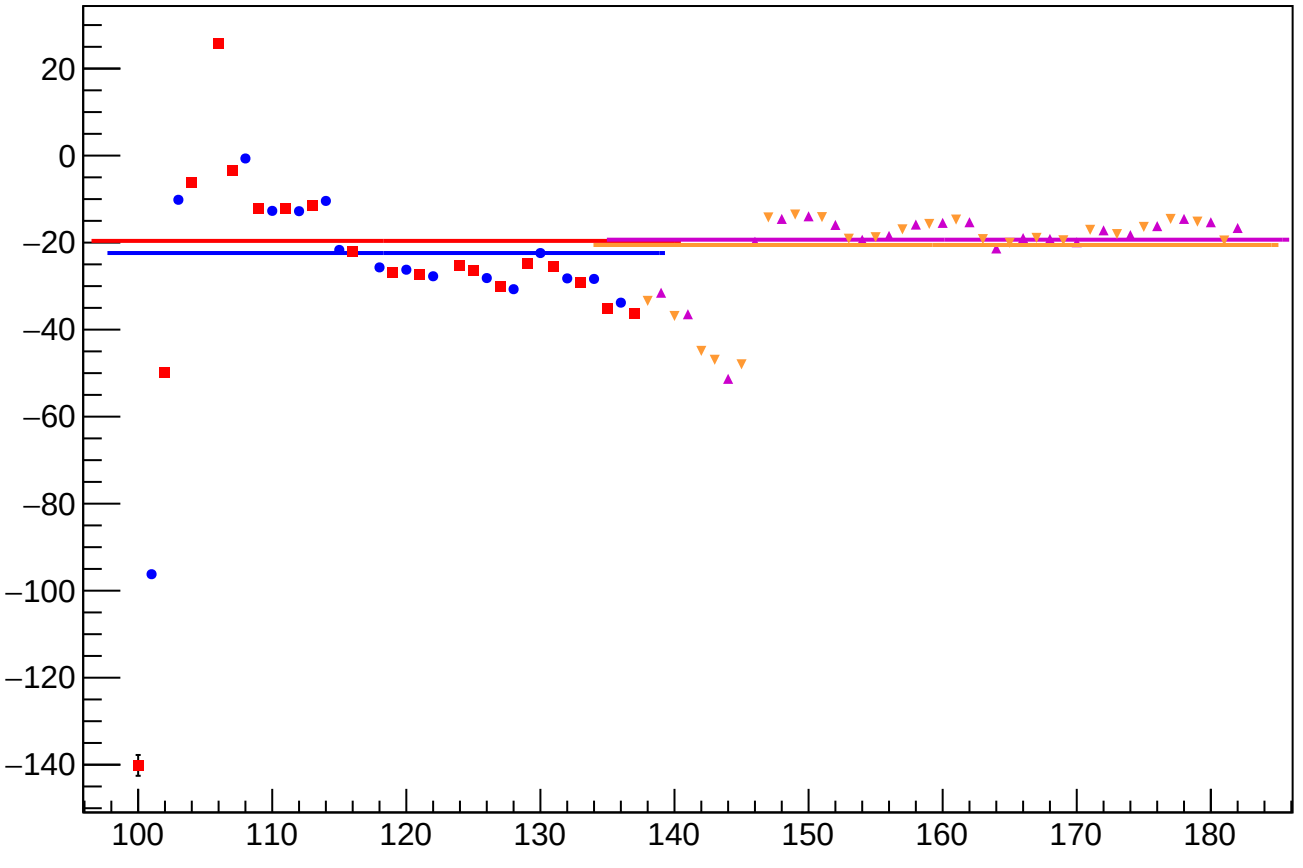
Left: -17.361+/-0.373 χ^2/NDF: 508.8/44

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -21.315+/-0.468 χ^2/NDF:864.3/37

Out: -21.744+/-0.462 χ^2/NDF:849.0/41

All: -21.532+/-0.329 χ^2/NDF: 1713.7/79



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -20.549+/-0.024 χ^2/NDF:144633.5/22

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -19.330+/-0.023 χ^2/NDF:93052.1/21

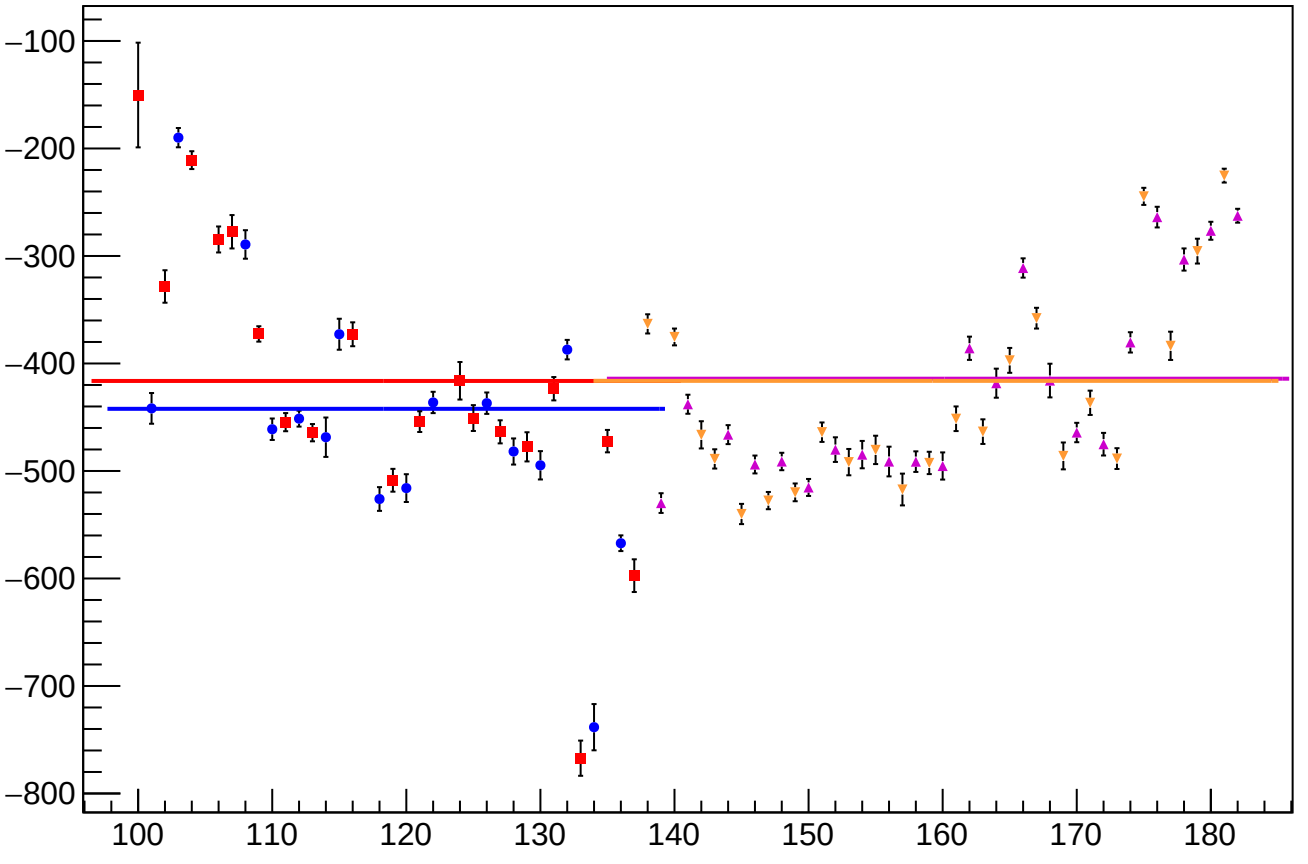
Left: -19.934+/-0.017 χ^2/NDF: 239021.1/44

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -19.758+/-0.022 χ^2/NDF:141948.8/37

Out: -20.420+/-0.022 χ^2/NDF:228716.7/41

All: -20.085+/-0.015 χ^2/NDF: 371122.2/79



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -416.172+/-2.046 χ^2/NDF:2470.2/22

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -414.162+/-2.038 χ^2/NDF:2146.4/21

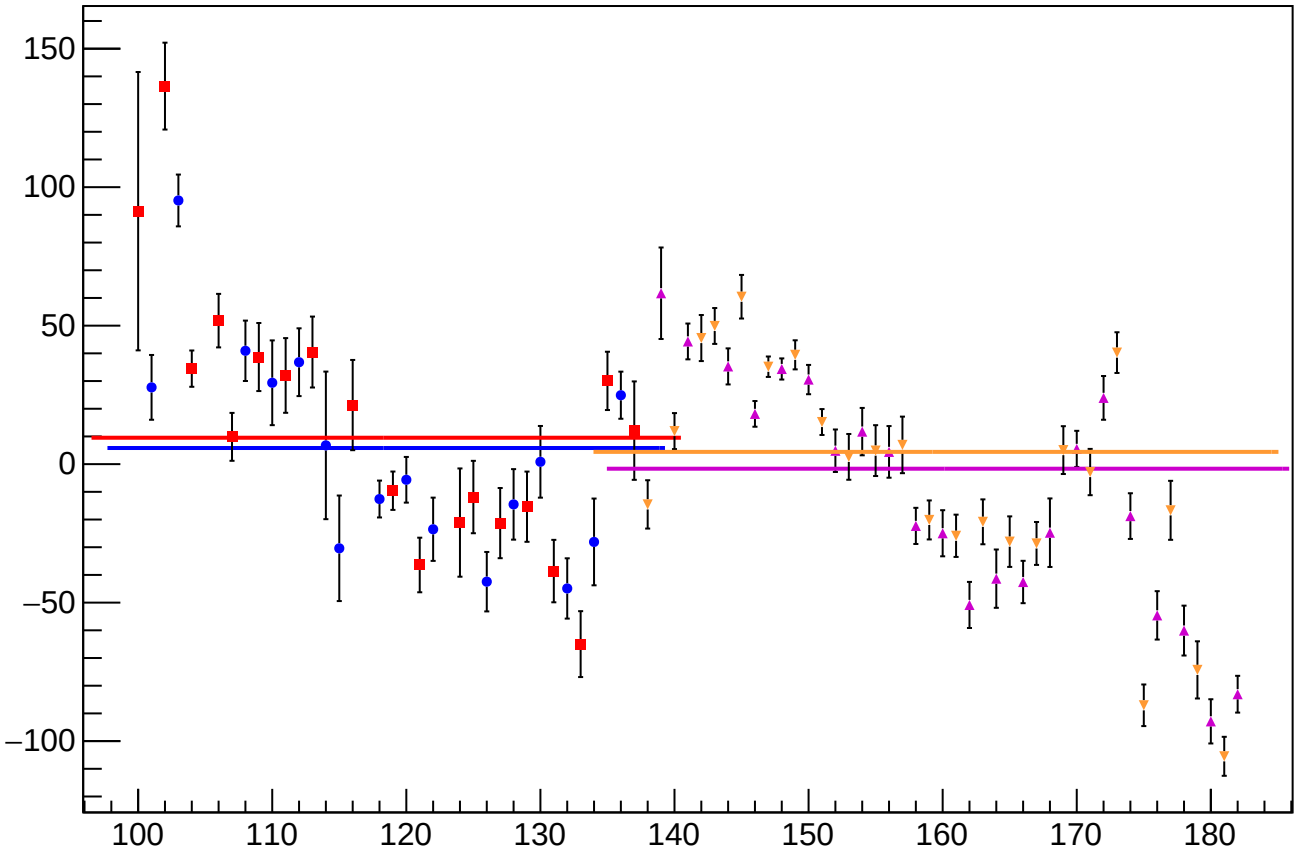
Left: -415.163+/-1.444 χ^2/NDF: 4617.1/44

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -424.417+/-1.622 χ^2/NDF:3804.7/37

Out: -416.207+/-1.589 χ^2/NDF:4224.1/41

All: -420.226+/-1.135 χ^2/NDF: 8041.9/79



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 4.428+/-1.464 χ^2/NDF:797.2/22

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: -1.652+/-1.495 χ^2/NDF:720.1/21

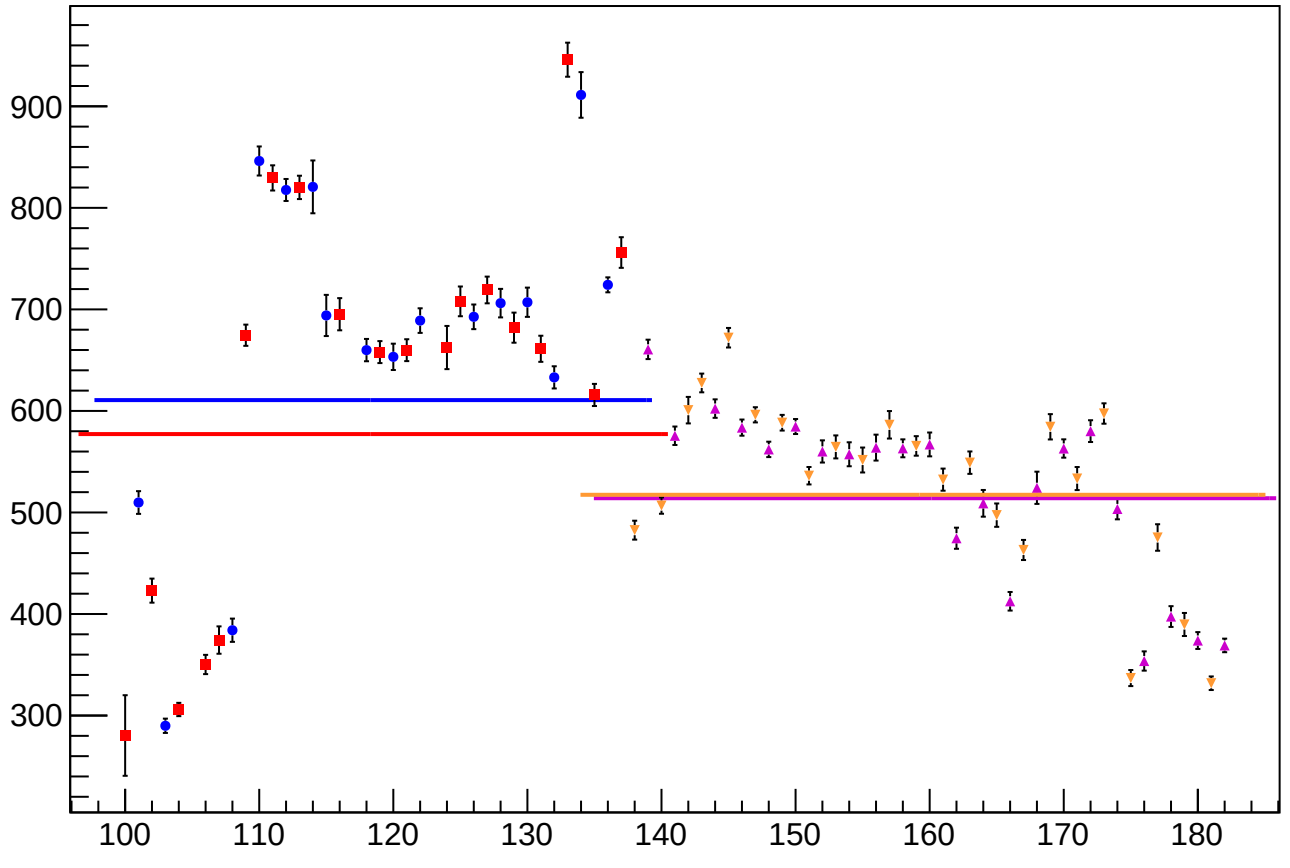
Left: 1.452+/-1.046 χ^2/NDF: 1525.8/44

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 0.076+/-1.311 χ^2/NDF:914.0/37

Out: 5.689+/-1.271 χ^2/NDF:1022.3/41

All: 2.971+/-0.912 χ^2/NDF: 1945.8/79



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 517.409+/-2.022 χ^2/NDF:2295.2/22

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 514.029+/-2.010 χ^2/NDF:2058.2/21

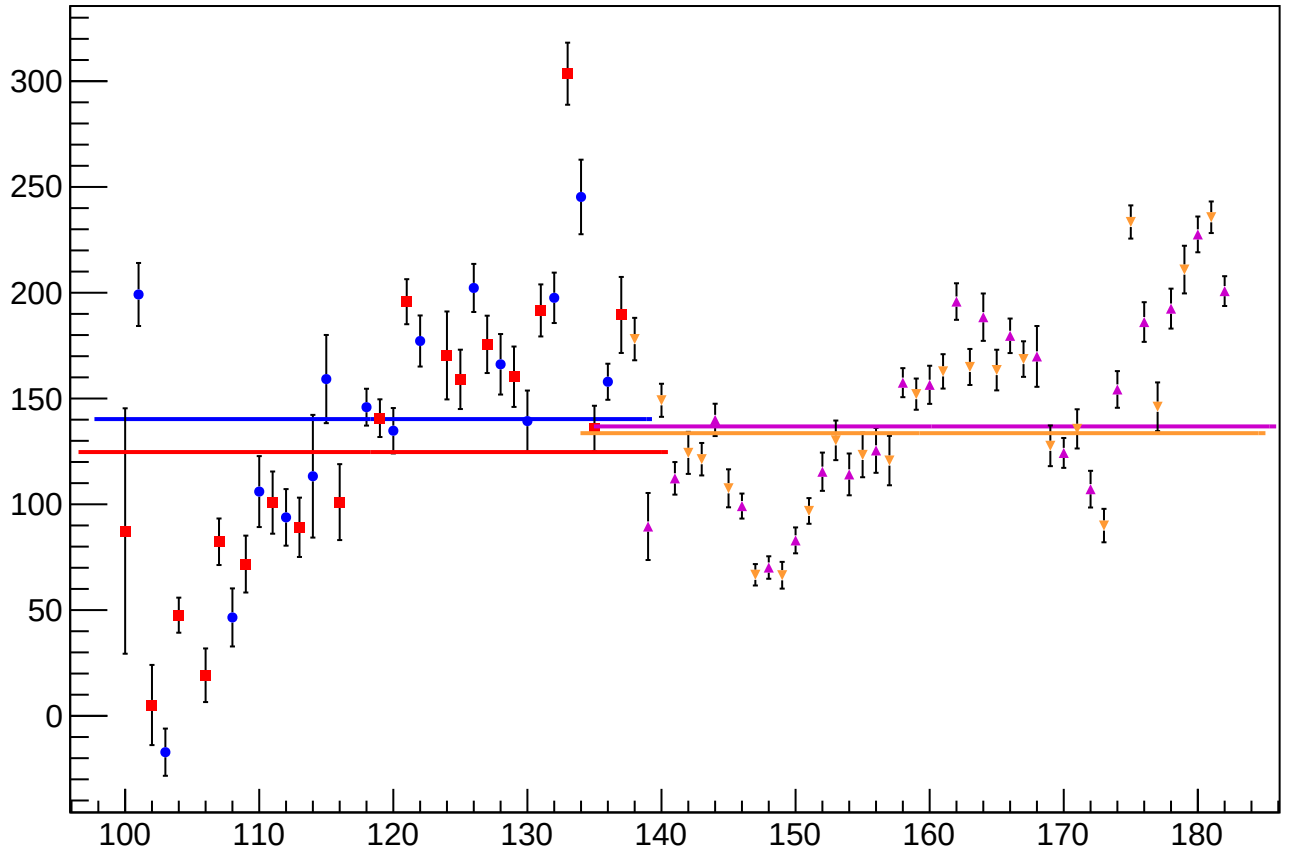
Left: 515.709+/-1.426 χ^2/NDF: 4354.8/44

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 545.504+/-1.651 χ^2/NDF:6703.5/37

Out: 538.341+/-1.630 χ^2/NDF:7401.7/41

All: 541.877+/-1.160 χ^2/NDF: 14114.7/79



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 133.621+/-1.702 χ^2/NDF:849.9/22

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 136.812+/-1.719 χ^2/NDF:700.6/21

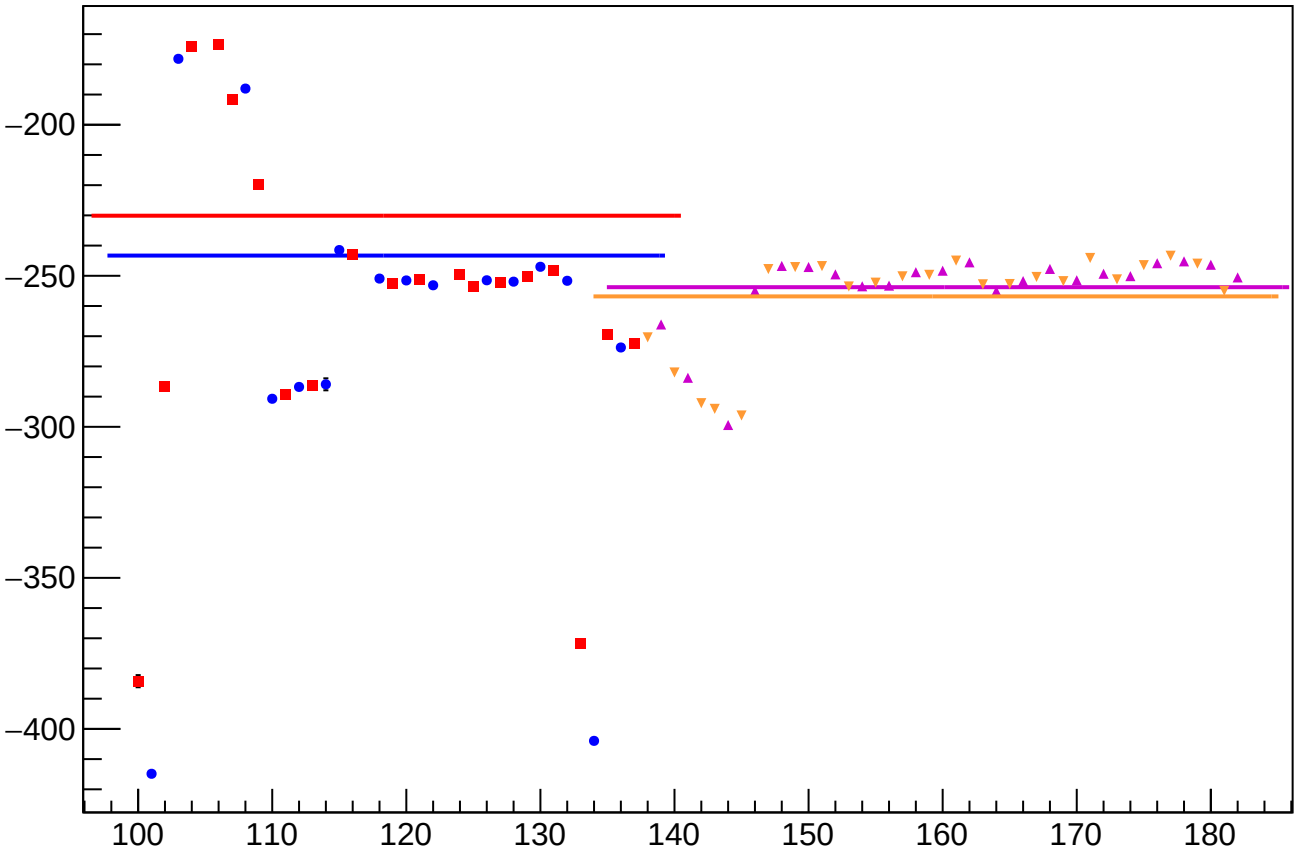
Left: 135.201+/-1.210 χ^2/NDF: 1552.3/44

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 137.607+/-1.509 χ^2/NDF:1086.9/37

Out: 131.424+/-1.478 χ^2/NDF:1365.2/41

All: 134.451+/-1.056 χ^2/NDF: 2460.7/79



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -256.822+/-0.080 χ^2/NDF:39009.7/22

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -253.771+/-0.079 χ^2/NDF:24061.2/21

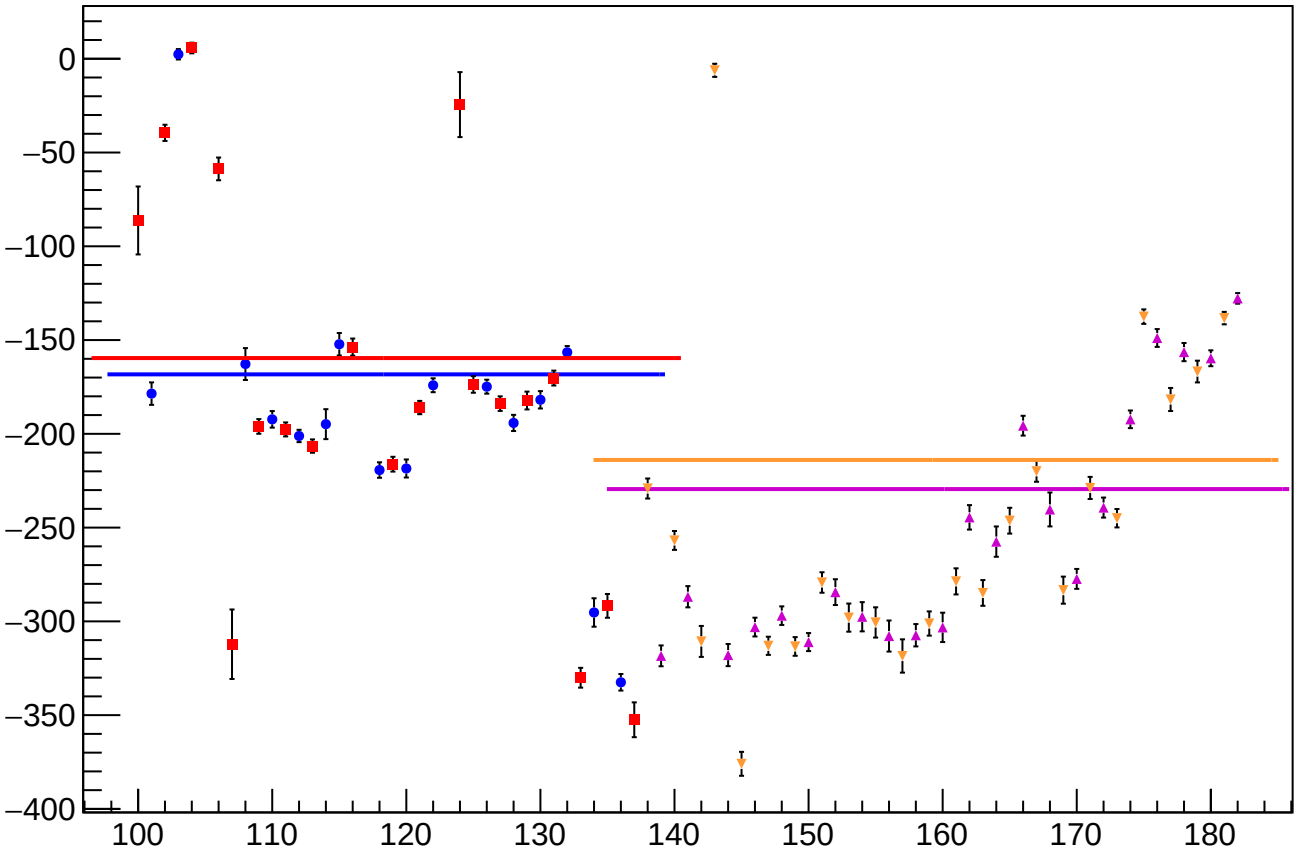
Left: -255.271+/-0.056 χ^2/NDF: 63809.8/44

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -251.783+/-0.071 χ^2/NDF:200906.6/37

Out: -251.334+/-0.071 χ^2/NDF:164355.3/41

All: -251.560+/-0.050 χ^2/NDF: 365281.9/79



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -213.927+/-1.133 χ^2/NDF:7246.1/22

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -229.457+/-1.130 χ^2/NDF:4048.8/21

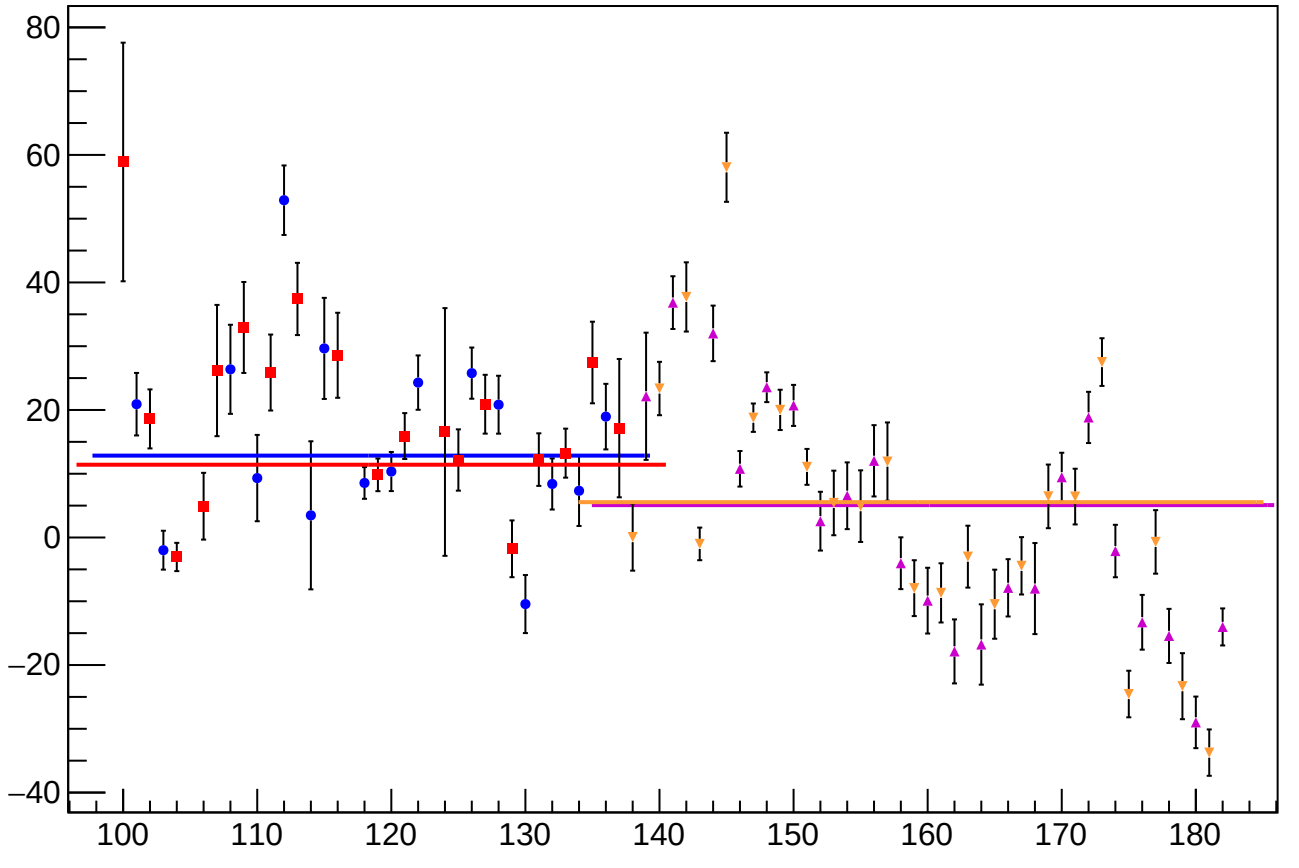
Left: -221.714+/-0.800 χ^2/NDF: 11389.0/44

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -197.368+/-0.779 χ^2/NDF:11493.2/37

Out: -184.497+/-0.767 χ^2/NDF:15688.8/41

All: -190.833+/-0.547 χ^2/NDF: 27320.5/79



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 5.544+/-0.829 χ^2/NDF:503.6/22

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 5.078+/-0.859 χ^2/NDF:422.6/21

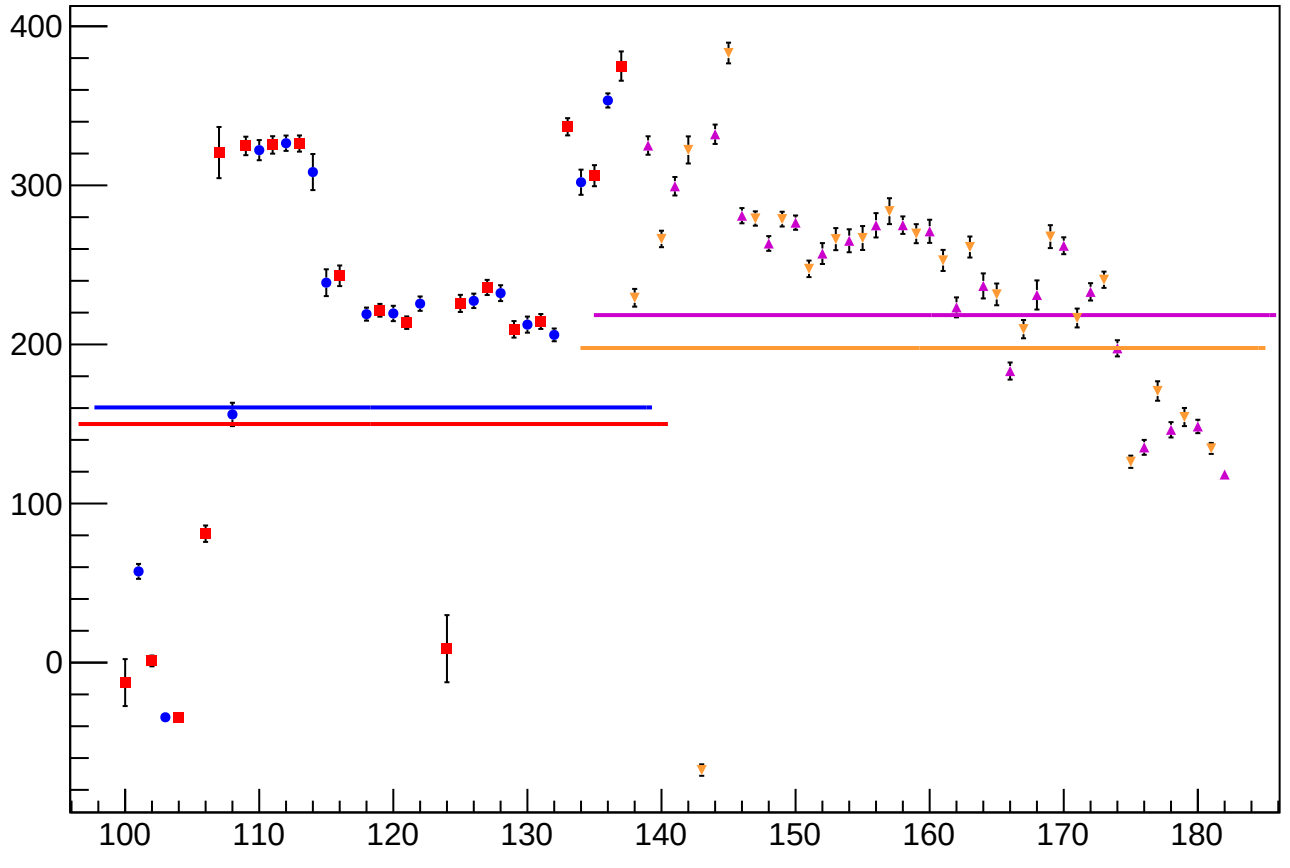
Left: 5.319+/-0.596 χ^2/NDF: 926.3/44

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 8.097+/-0.671 χ^2/NDF:598.1/37

Out: 7.836+/-0.647 χ^2/NDF:642.8/41

All: 7.962+/-0.466 χ^2/NDF: 1240.9/79



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 197.768+/-1.125 χ^2/NDF:8913.9/22

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 218.440+/-1.121 χ^2/NDF:3733.7/21

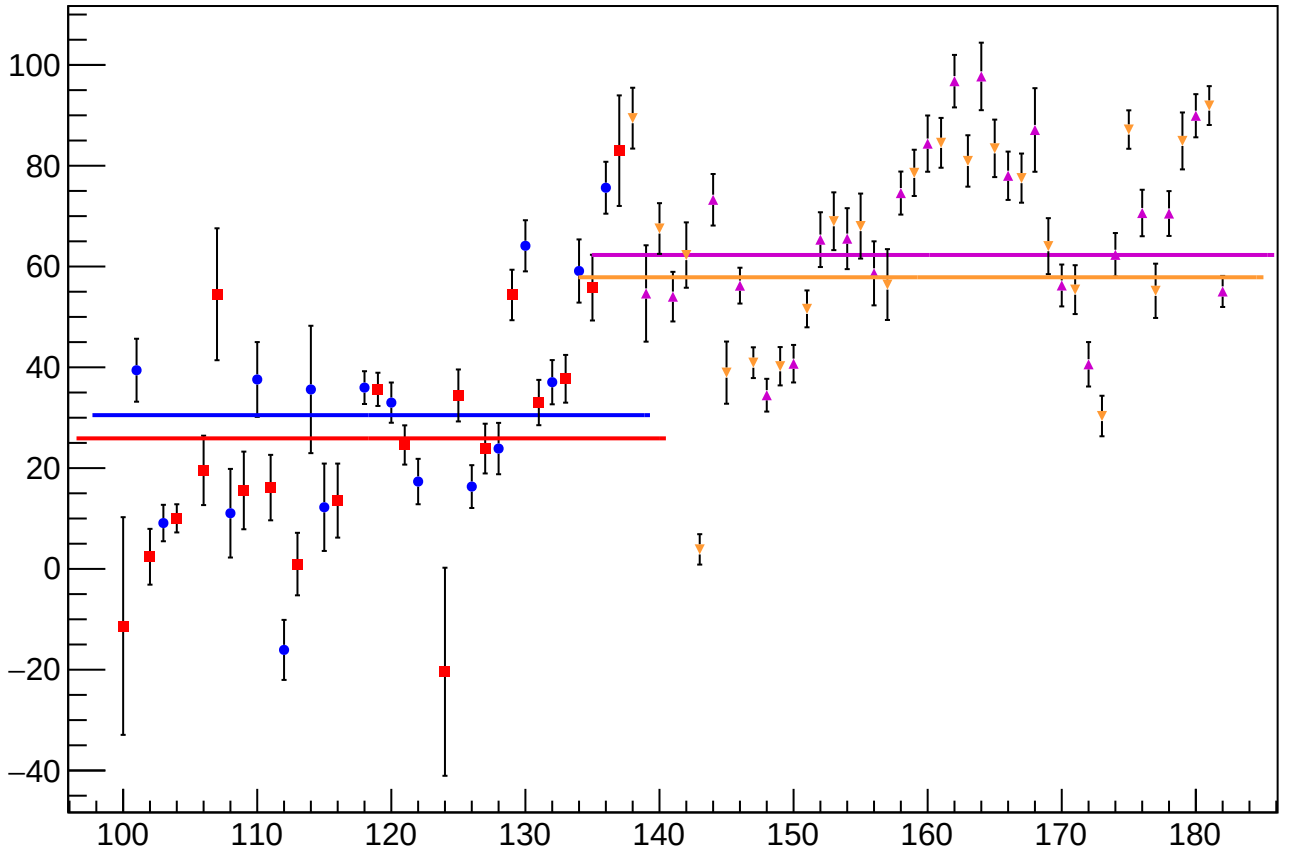
Left: 208.140+/-0.794 χ^2/NDF: 12817.0/44

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 189.877+/-0.799 χ^2/NDF:19001.8/37

Out: 173.476+/-0.789 χ^2/NDF:26096.1/41

All: 181.573+/-0.561 χ^2/NDF: 45311.2/79



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 57.869+/-0.957 χ^2/NDF:737.9/22

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 62.293+/-0.977 χ^2/NDF:314.4/21

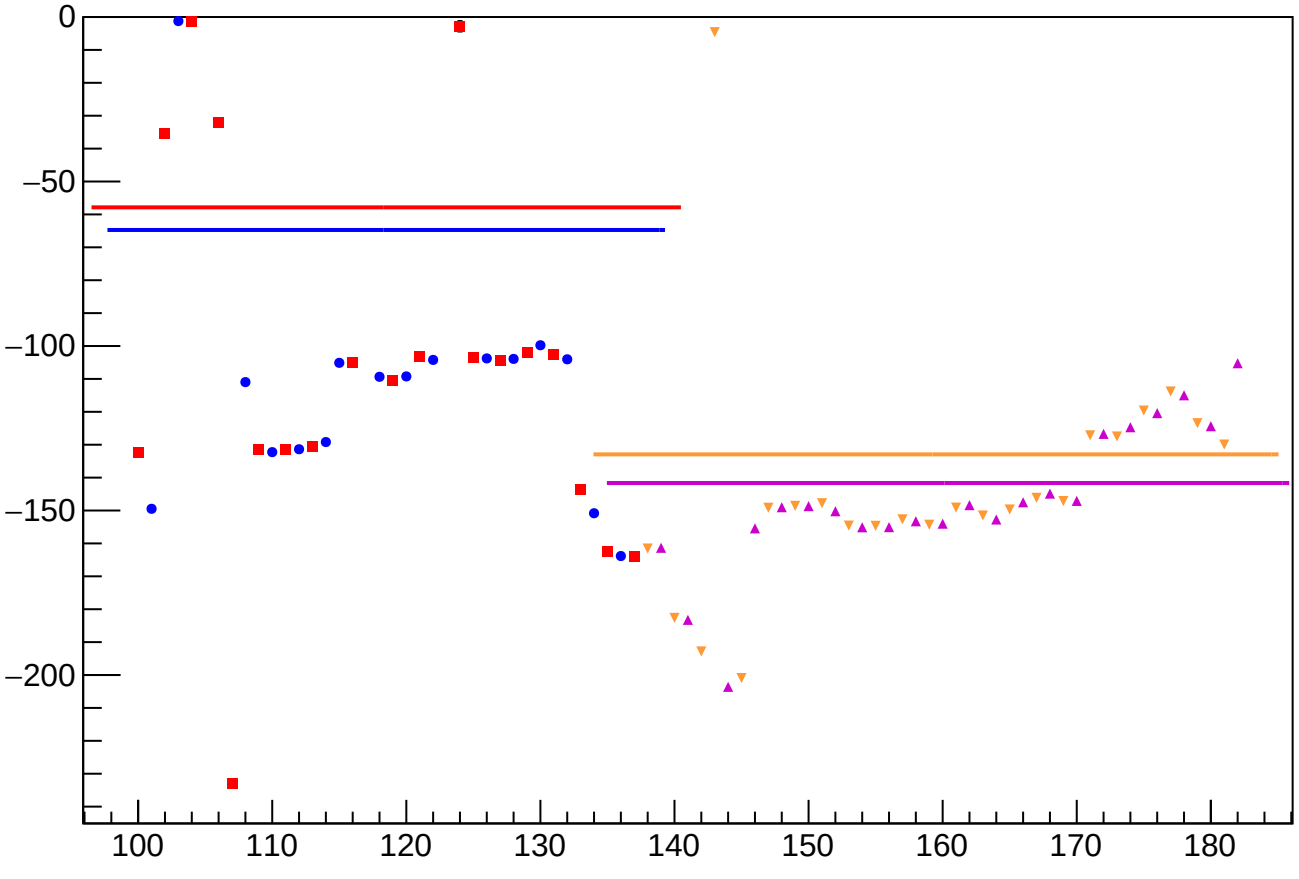
Left: 60.035+/-0.684 χ^2/NDF: 1062.7/44

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 50.288+/-0.771 χ^2/NDF:990.7/37

Out: 45.600+/-0.752 χ^2/NDF:1353.5/41

All: 47.884+/-0.538 χ^2/NDF: 2363.2/79



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -132.933+/-0.045 χ^2/NDF:983622.2/22

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -141.634+/-0.044 χ^2/NDF:235729.5/21

Left: -137.322+/-0.032 χ^2/NDF: 1238322.7/44

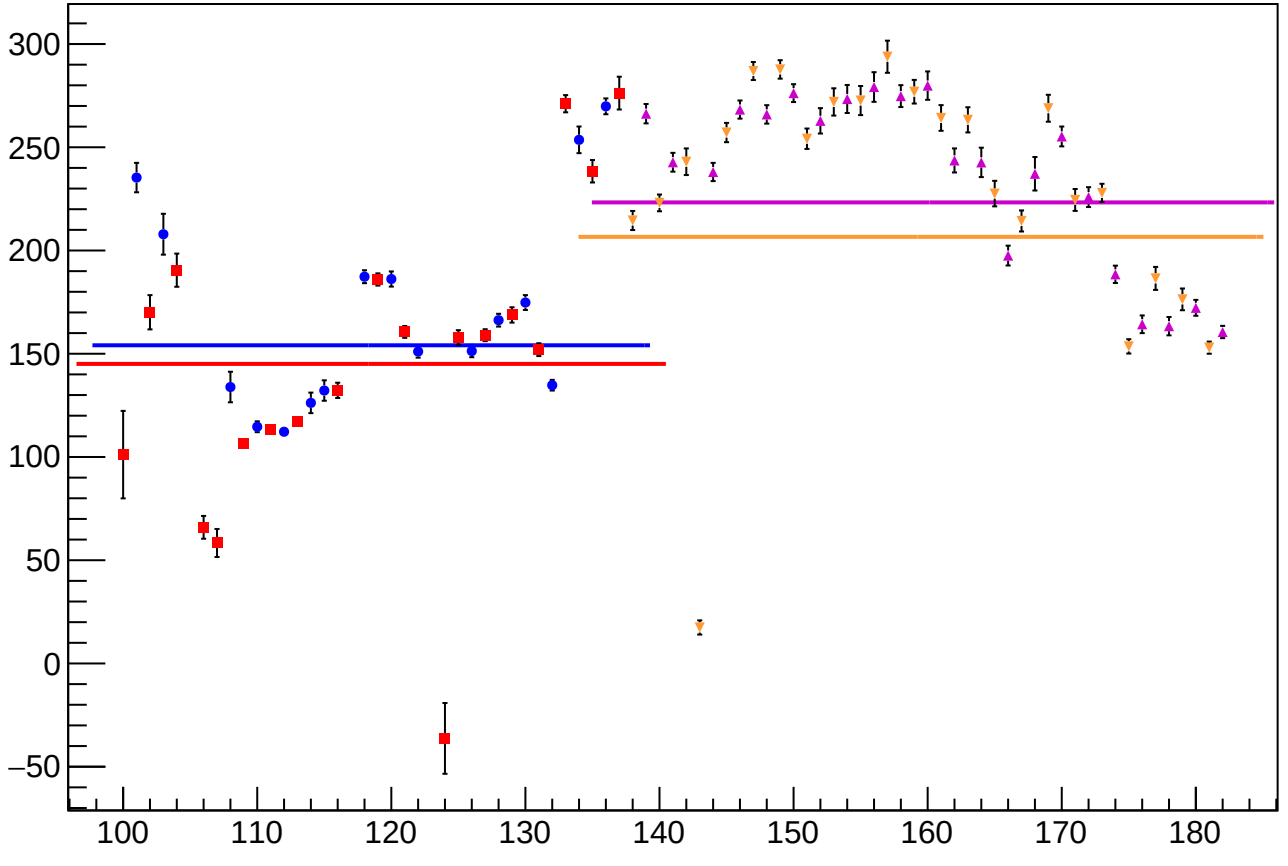
Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -116.482+/-0.036 χ^2/NDF:2258313.8/37

Out: -107.213+/-0.036 χ^2/NDF:2818825.0/41

All: -111.834+/-0.026 χ^2/NDF: 5109511.7/79

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 206.602+/-1.005 χ^2/NDF:5329.6/22

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 223.296+/-1.020 χ^2/NDF:1932.9/21

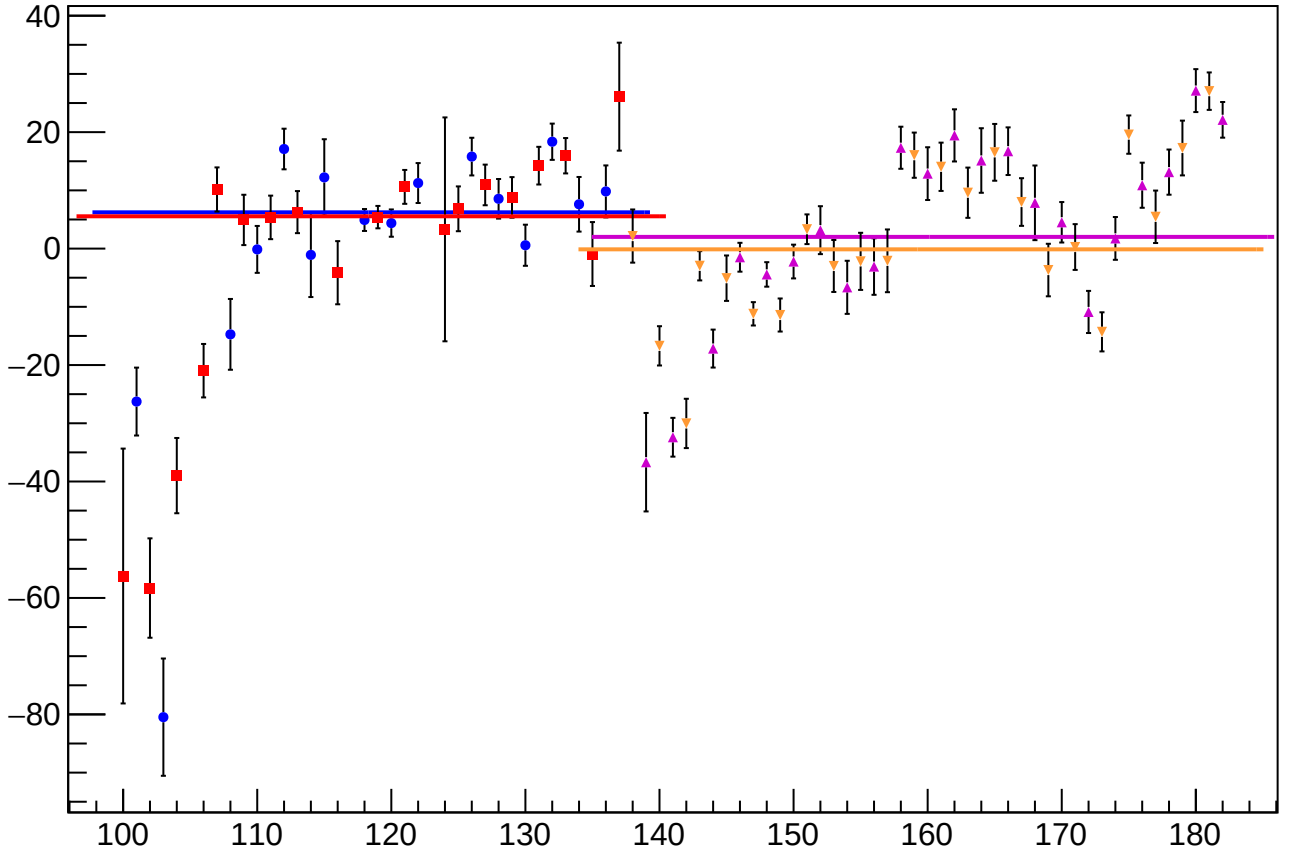
Left: 214.826+/-0.716 χ^2/NDF: 7398.3/44

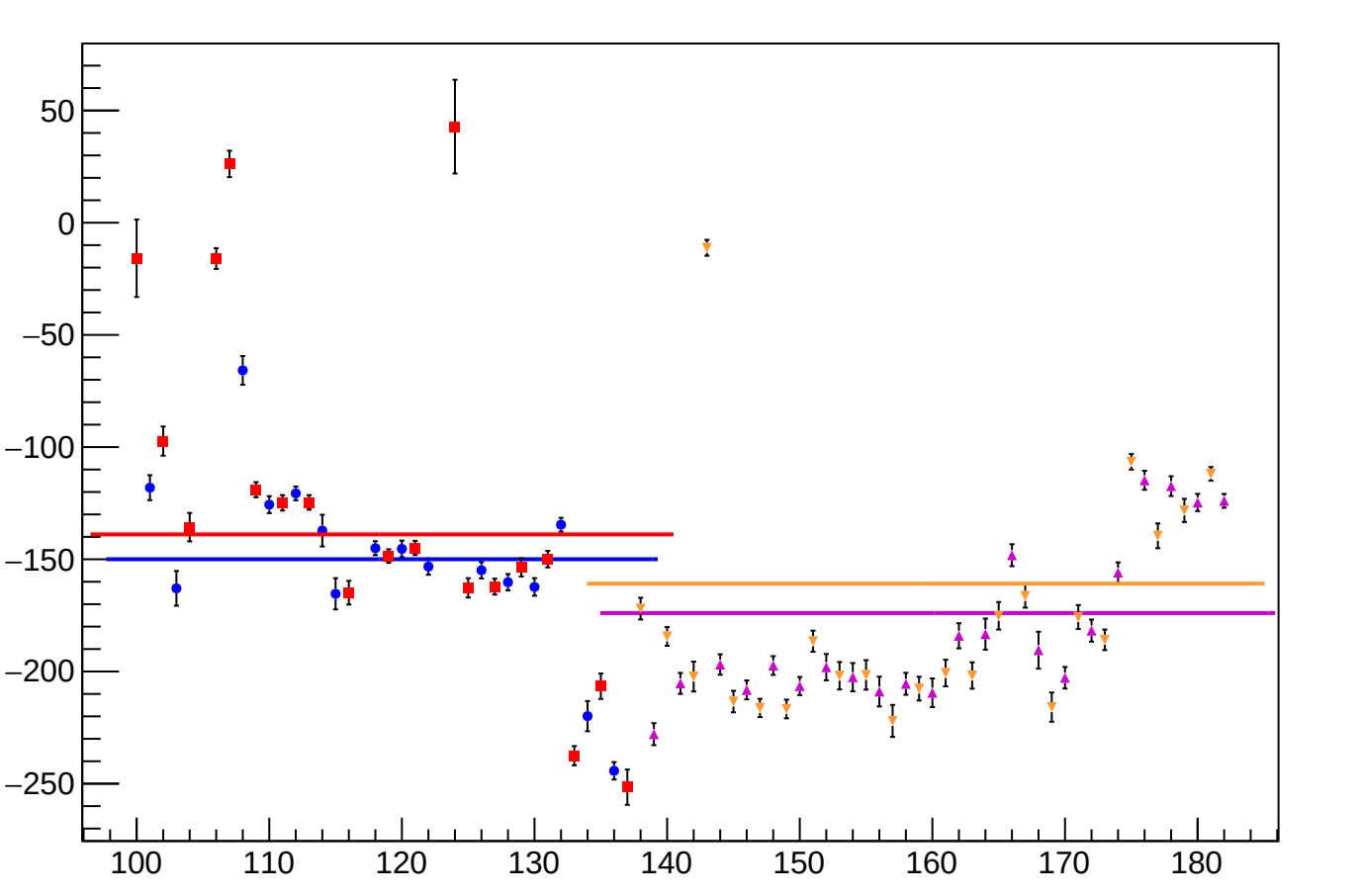
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 183.196+/-0.662 χ^2/NDF:6880.0/37

Out: 169.879+/-0.638 χ^2/NDF:10523.6/41

All: 176.298+/-0.459 χ^2/NDF: 17613.4/79


reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
Right In: 6.229+/-0.890 χ²/NDF: 162.1/15
Left Out: -0.126+/-0.738 χ²/NDF:316.6/22
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: 2.011+/-0.768 χ²/NDF:355.0/21
Left: 0.900+/-0.532 χ²/NDF: 675.7/44
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 3.812+/-0.582 χ²/NDF:530.0/37
Out: 2.189+/-0.568 χ²/NDF:521.9/41
All: 2.981+/-0.406 χ²/NDF: 1055.8/79



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -160.868+/-0.999 χ^2/NDF:3375.6/22

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -173.968+/-1.011 χ^2/NDF:1372.9/21

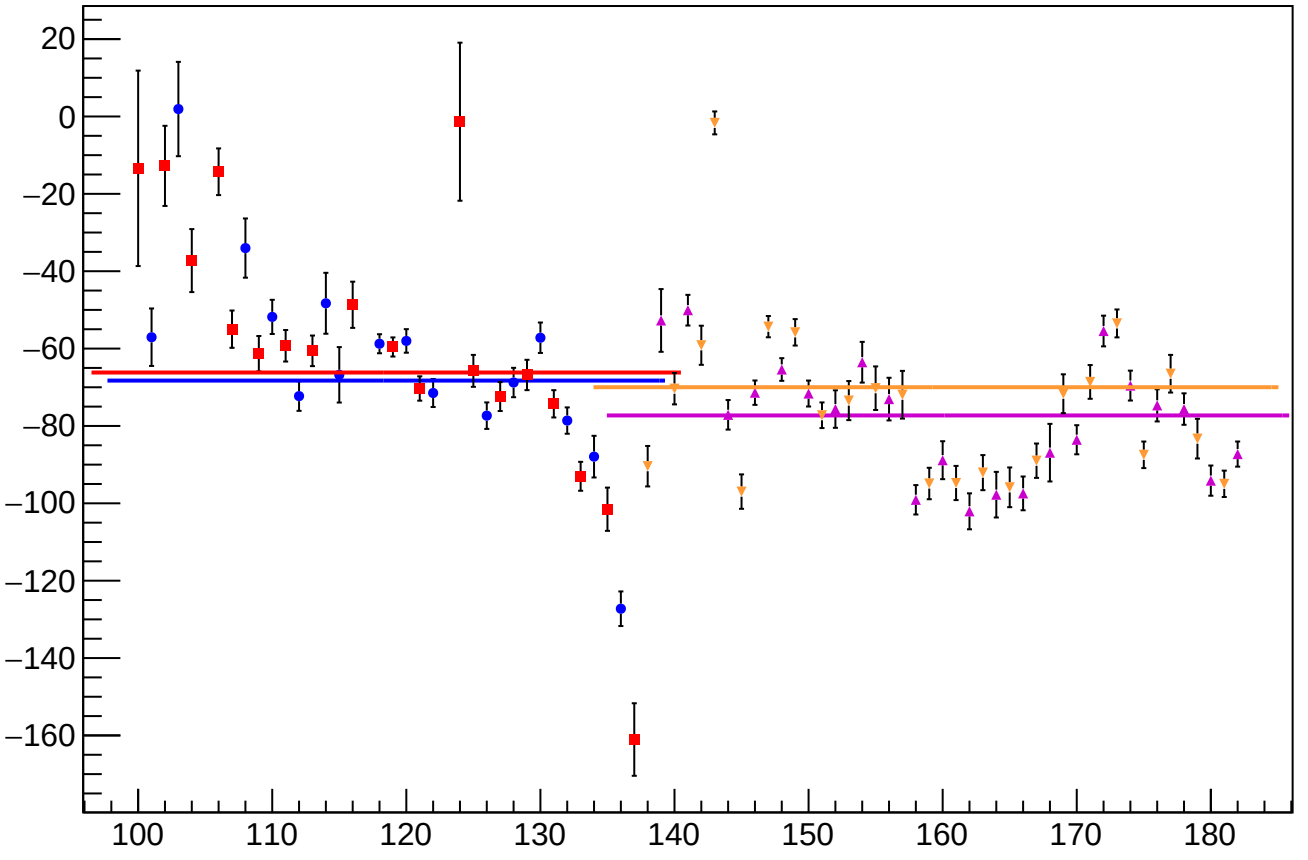
Left: -167.337+/-0.711 χ^2/NDF: 4833.5/44

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -162.138+/-0.720 χ^2/NDF:2750.0/37

Out: -149.830+/-0.704 χ^2/NDF:6369.4/41

All: -155.848+/-0.504 χ^2/NDF: 9268.7/79



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -69.987+/-0.852 χ^2/NDF:888.0/22

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -77.282+/-0.877 χ^2/NDF:254.3/21

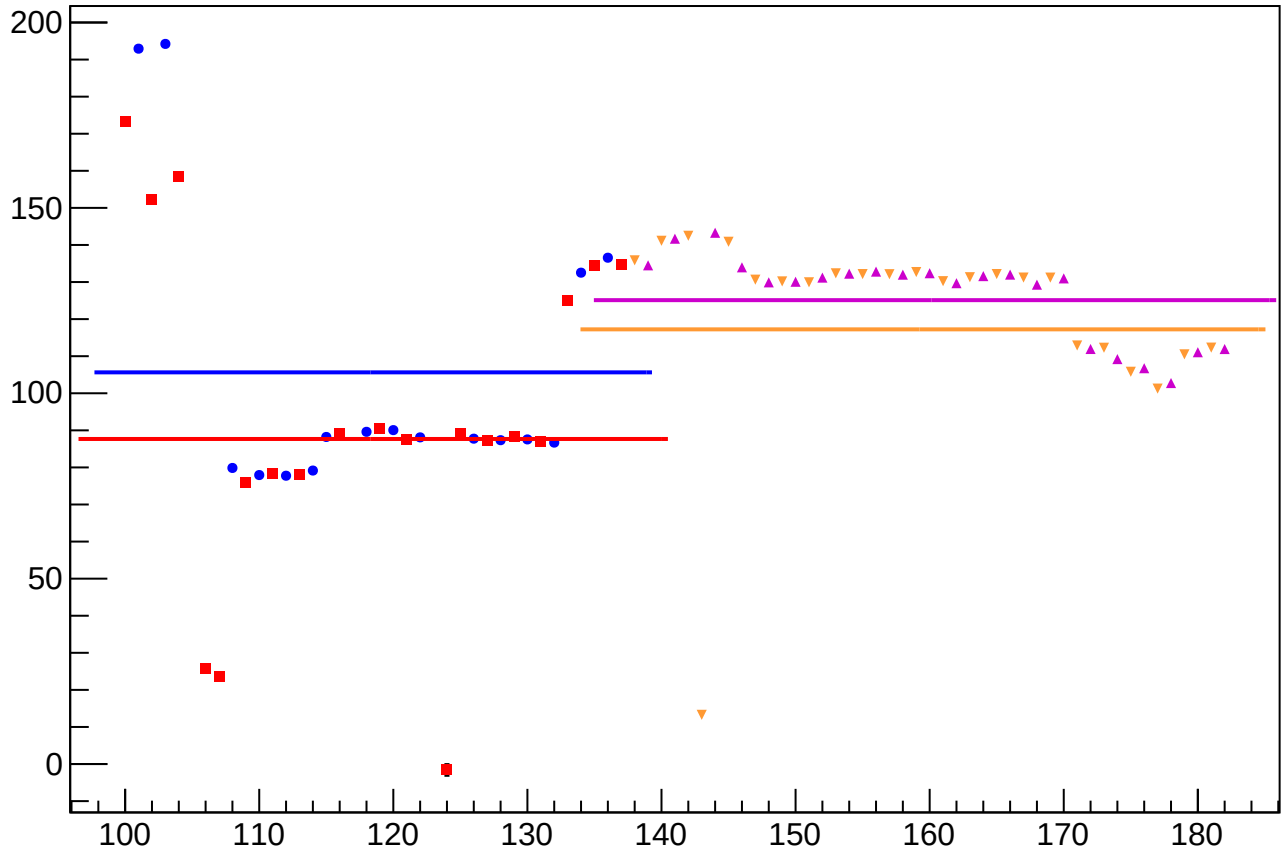
Left: -73.533+/-0.611 χ^2/NDF: 1177.9/44

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -73.511+/-0.668 χ^2/NDF:613.9/37

Out: -68.431+/-0.655 χ^2/NDF:1254.5/41

All: -70.920+/-0.468 χ^2/NDF: 1897.8/79



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 117.238+/-0.040 χ^2/NDF:622165.5/22

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 125.114+/-0.040 χ^2/NDF:86080.9/21

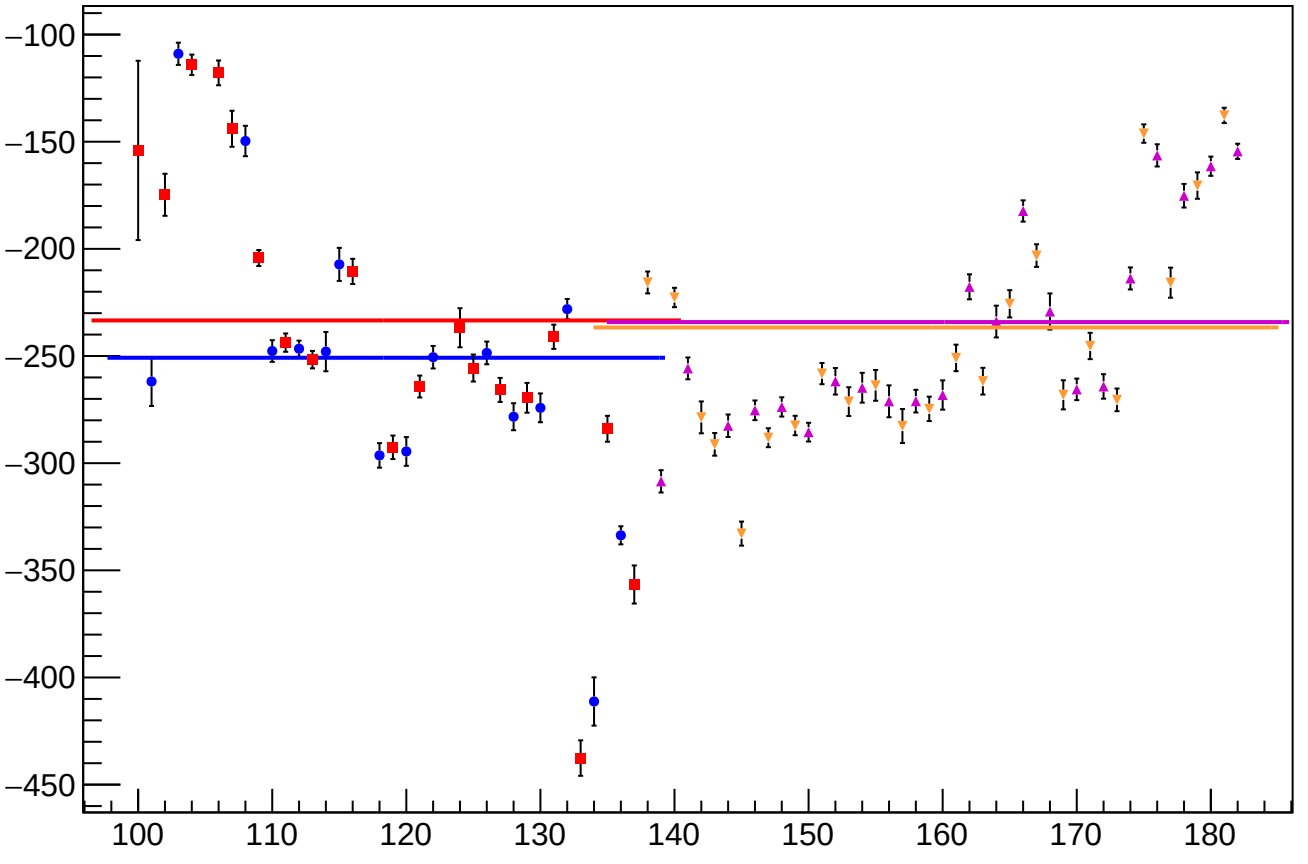
Left: 121.173+/-0.028 χ^2/NDF: 727776.2/44

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 120.429+/-0.035 χ^2/NDF:383098.8/37

Out: 109.279+/-0.034 χ^2/NDF:1144939.5/41

All: 114.742+/-0.024 χ^2/NDF: 1580567.2/79



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -236.666+/-1.134 χ^2/NDF:2300.3/22

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -234.159+/-1.124 χ^2/NDF:2044.2/21

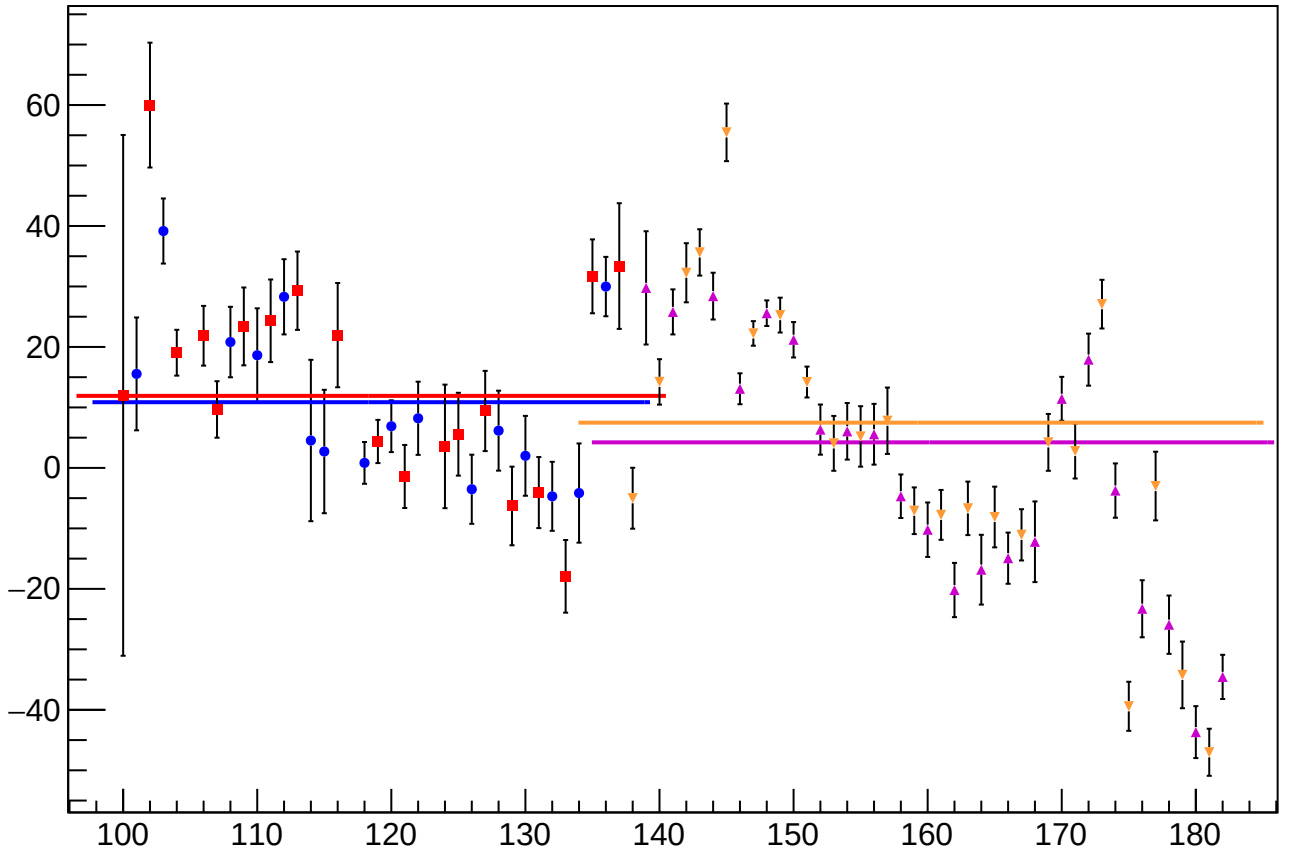
Left: -235.401+/-0.798 χ^2/NDF: 4347.0/44

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -240.470+/-0.885 χ^2/NDF:3863.2/37

Out: -235.293+/-0.864 χ^2/NDF:4682.3/41

All: -237.818+/-0.618 χ^2/NDF: 8563.0/79



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 7.484+/-0.811 χ^2/NDF:772.1/22

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 4.226+/-0.825 χ^2/NDF:641.5/21

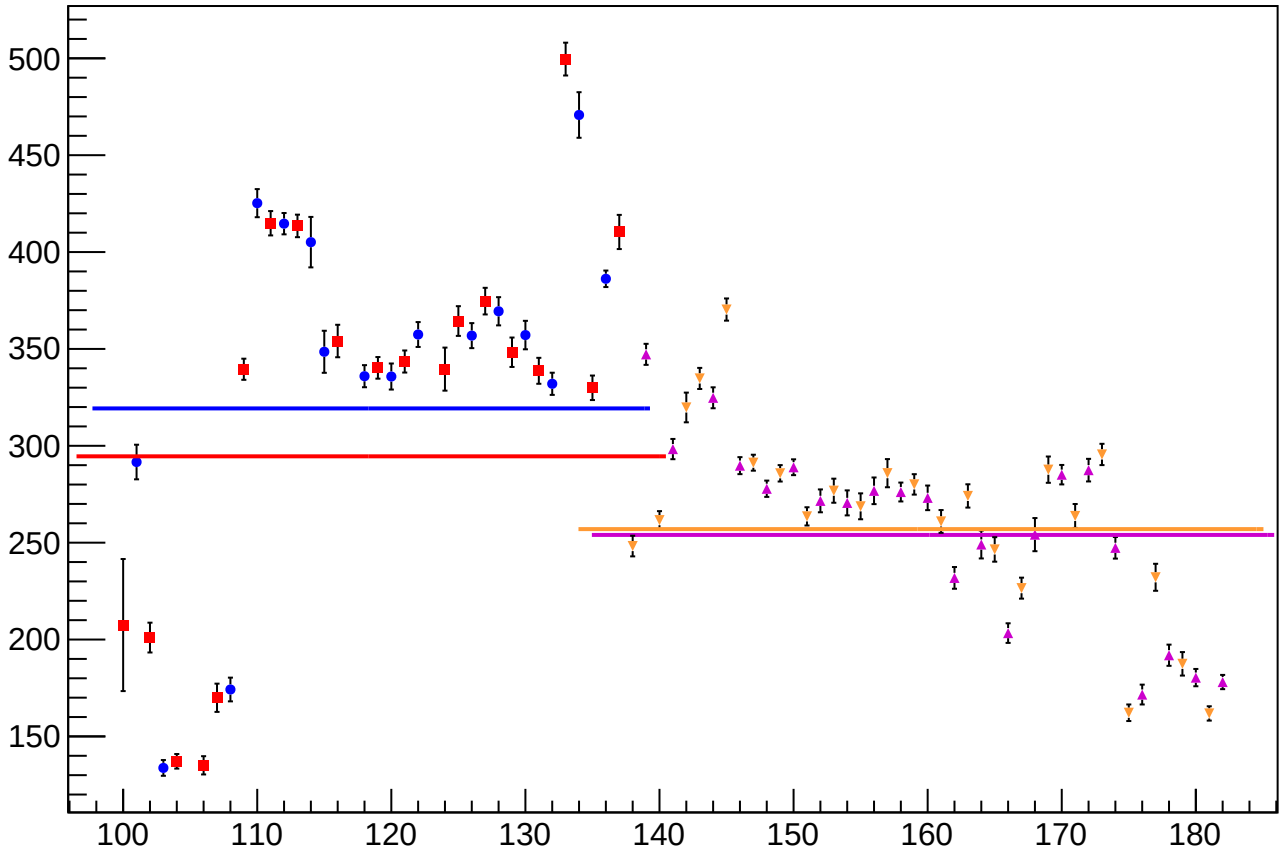
Left: 5.884+/-0.578 χ^2/NDF: 1421.5/44

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 5.816+/-0.720 χ^2/NDF:741.6/37

Out: 8.635+/-0.697 χ^2/NDF:891.7/41

All: 7.270+/-0.501 χ^2/NDF: 1641.3/79



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 257.001+/-1.119 χ^2/NDF:2242.8/22

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 254.000+/-1.108 χ^2/NDF:2041.8/21

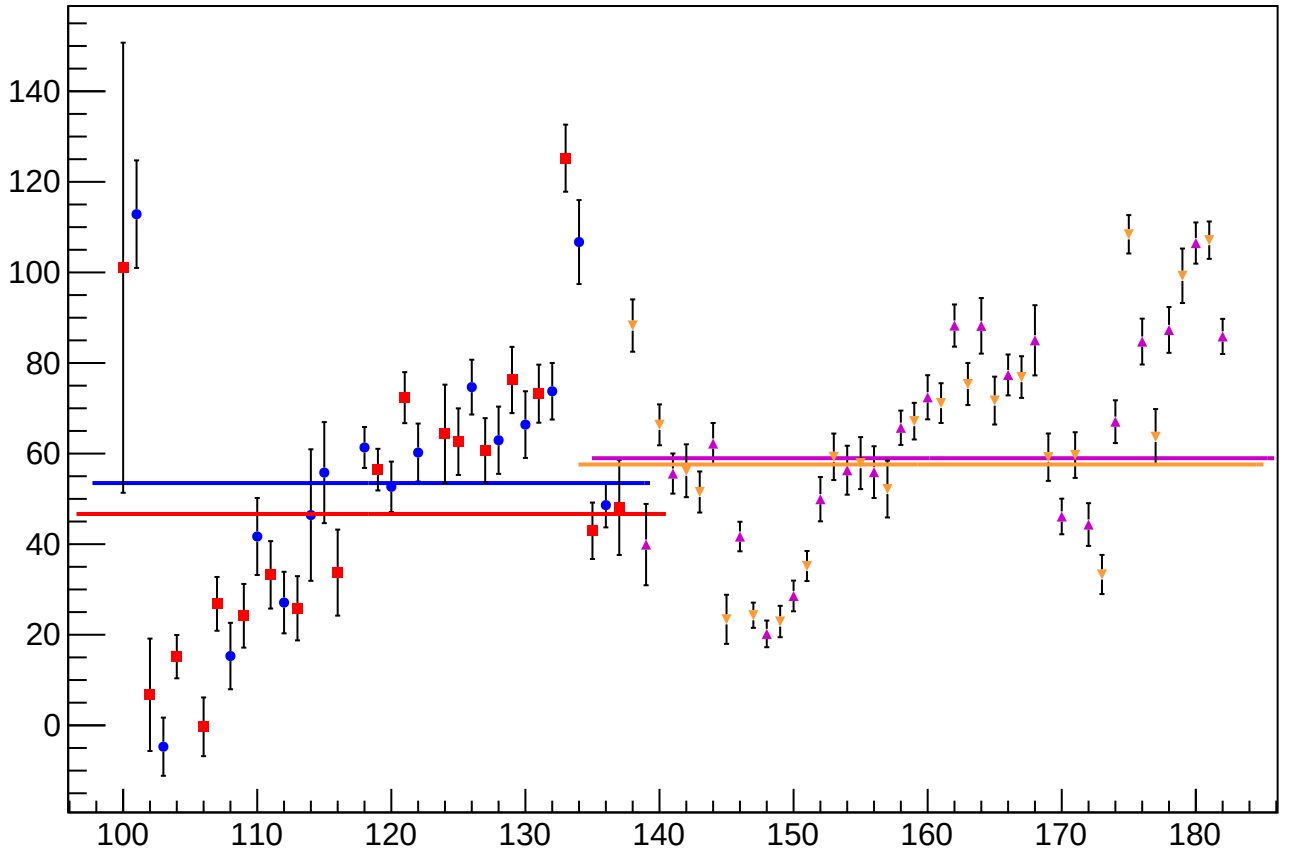
Left: 255.485+/-0.787 χ^2/NDF: 4288.3/44

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 275.408+/-0.908 χ^2/NDF:6973.8/37

Out: 270.654+/-0.893 χ^2/NDF:8155.3/41

All: 272.991+/-0.637 χ^2/NDF: 15143.0/79



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 57.597+/-0.942 χ^2/NDF:785.9/22

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 58.981+/-0.948 χ^2/NDF:630.8/21

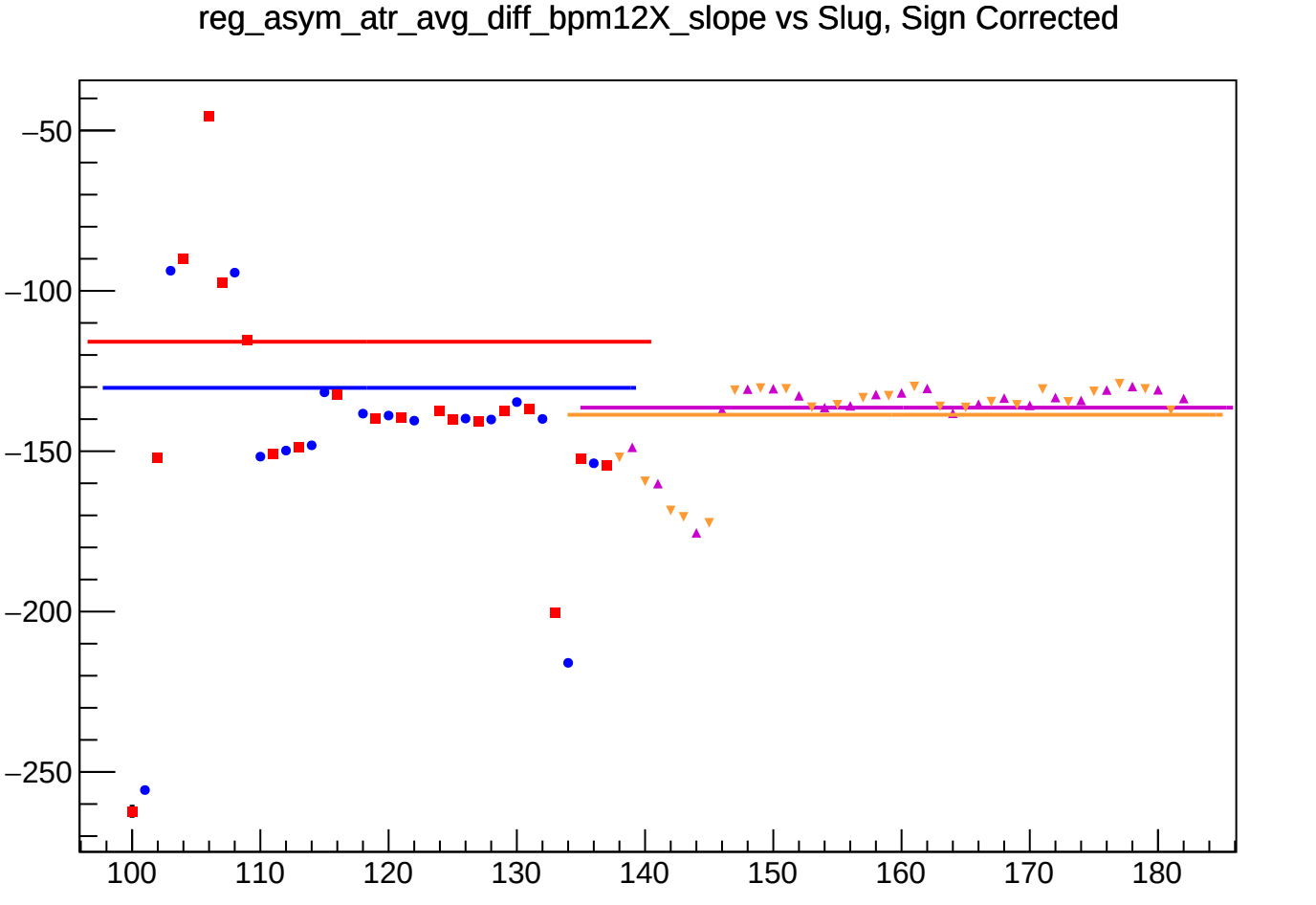
Left: 58.284+/-0.668 χ^2/NDF: 1417.7/44

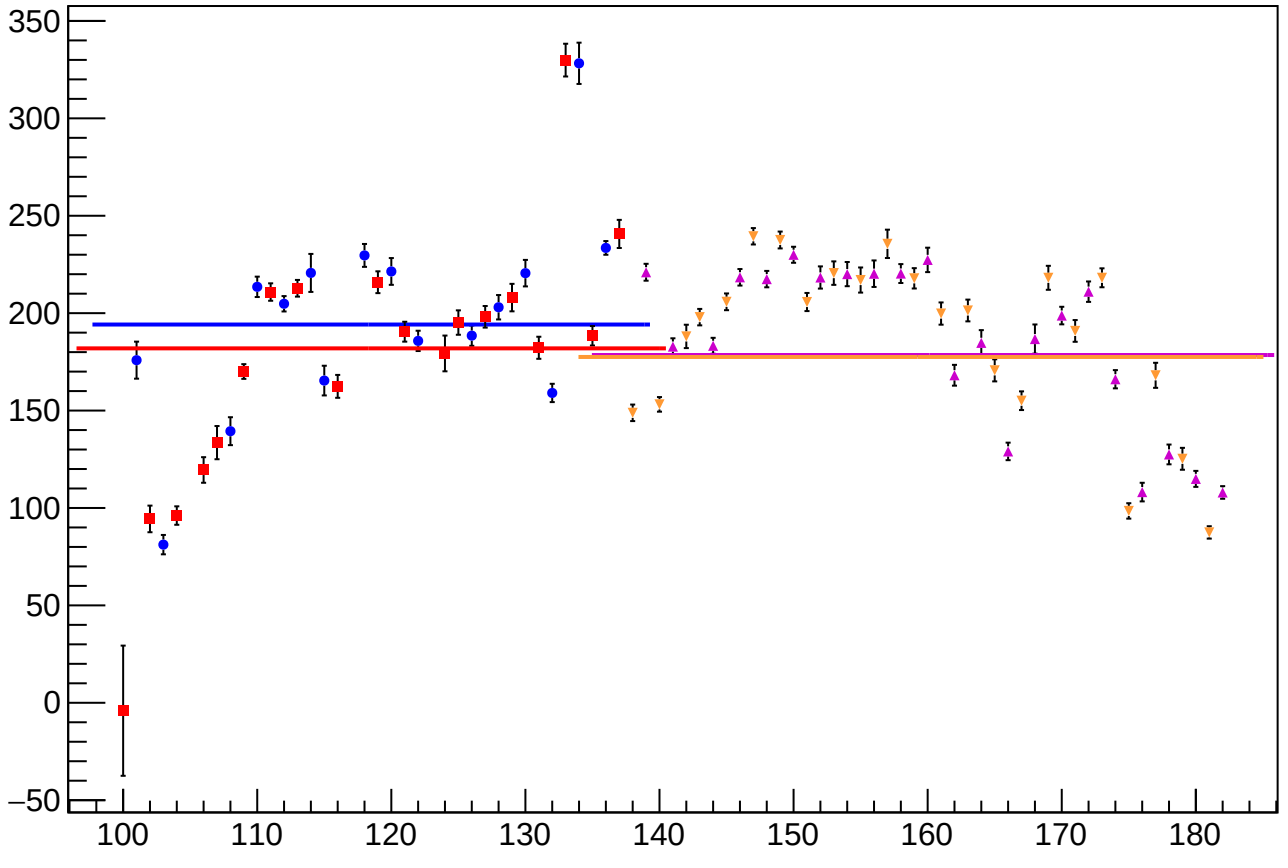
Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 57.678+/-0.828 χ^2/NDF:856.0/37

Out: 54.767+/-0.811 χ^2/NDF:1146.4/41

All: 56.192+/-0.579 χ^2/NDF: 2008.7/79


reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
180
Right In: -130.236+/-0.091 χ²/NDF: 174208.5/15
Left Out: -138.635+/-0.044 χ²/NDF:80610.9/22
Right Out: -115.865+/-0.086 χ²/NDF: 205899.4/18
Left In: -136.415+/-0.043 χ²/NDF:49788.1/21
Left: -137.503+/-0.031 χ²/NDF: 131685.4/44
Right: -122.615+/-0.062 χ²/NDF: 393311.6/34
In: -135.275+/-0.039 χ²/NDF:227749.2/37
Out: -133.852+/-0.039 χ²/NDF:342251.6/41
All: -134.566+/-0.028 χ²/NDF: 570658.9/79



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 177.516+/-1.008 χ^2/NDF:2282.9/22

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 178.508+/-1.010 χ^2/NDF:1920.7/21

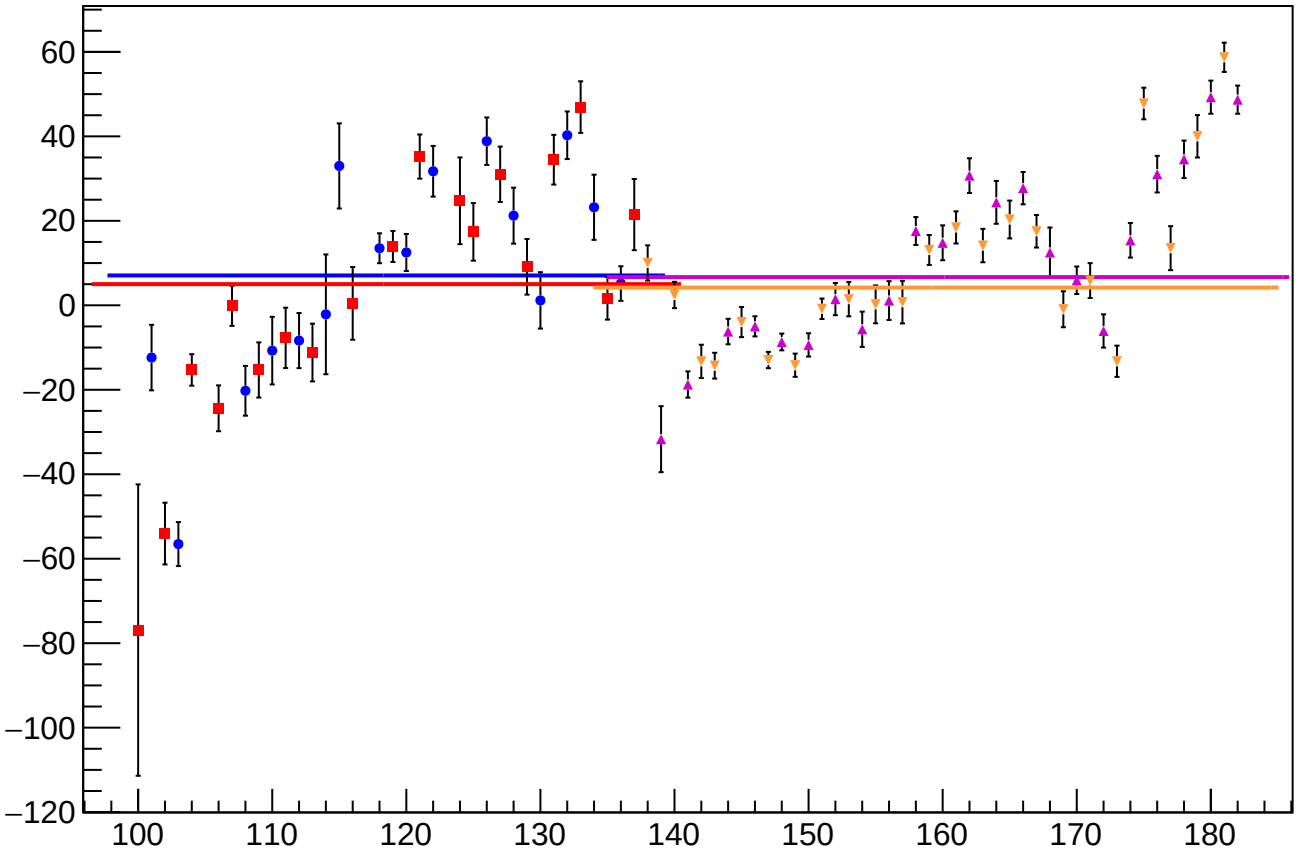
Left: 178.010+/-0.713 χ^2/NDF: 4204.1/44

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 183.834+/-0.820 χ^2/NDF:3037.7/37

Out: 179.137+/-0.801 χ^2/NDF:3494.7/41

All: 181.430+/-0.573 χ^2/NDF: 6549.2/79



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 4.197+/-0.729 χ^2/NDF:705.6/22

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: 6.676+/-0.748 χ^2/NDF:694.4/21

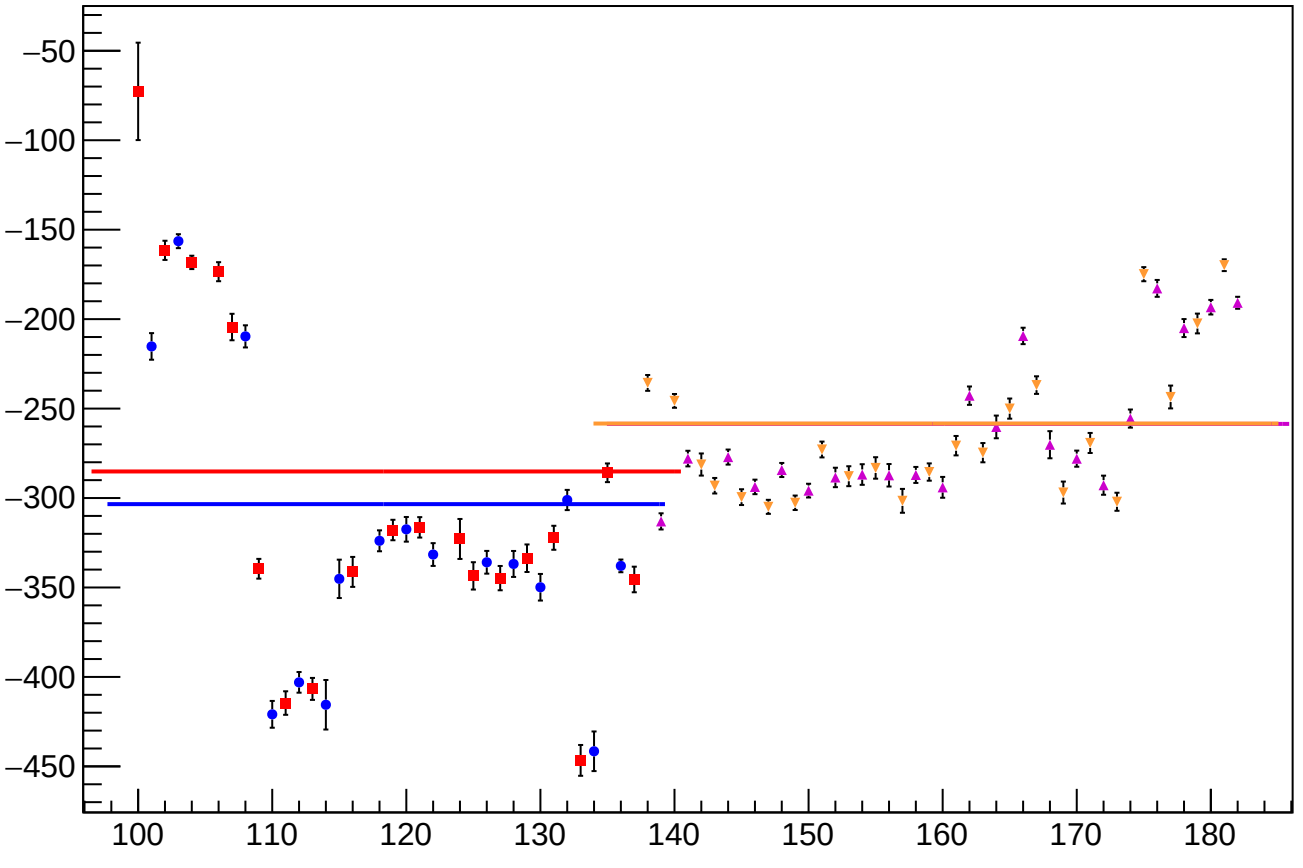
Left: 5.405+/-0.522 χ^2/NDF: 1405.6/44

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 6.758+/-0.664 χ^2/NDF:987.1/37

Out: 4.381+/-0.642 χ^2/NDF:994.4/41

All: 5.530+/-0.462 χ^2/NDF: 1988.1/79



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -258.362+/-0.998 χ^2/NDF:2022.5/22

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -258.561+/-0.998 χ^2/NDF:1772.3/21

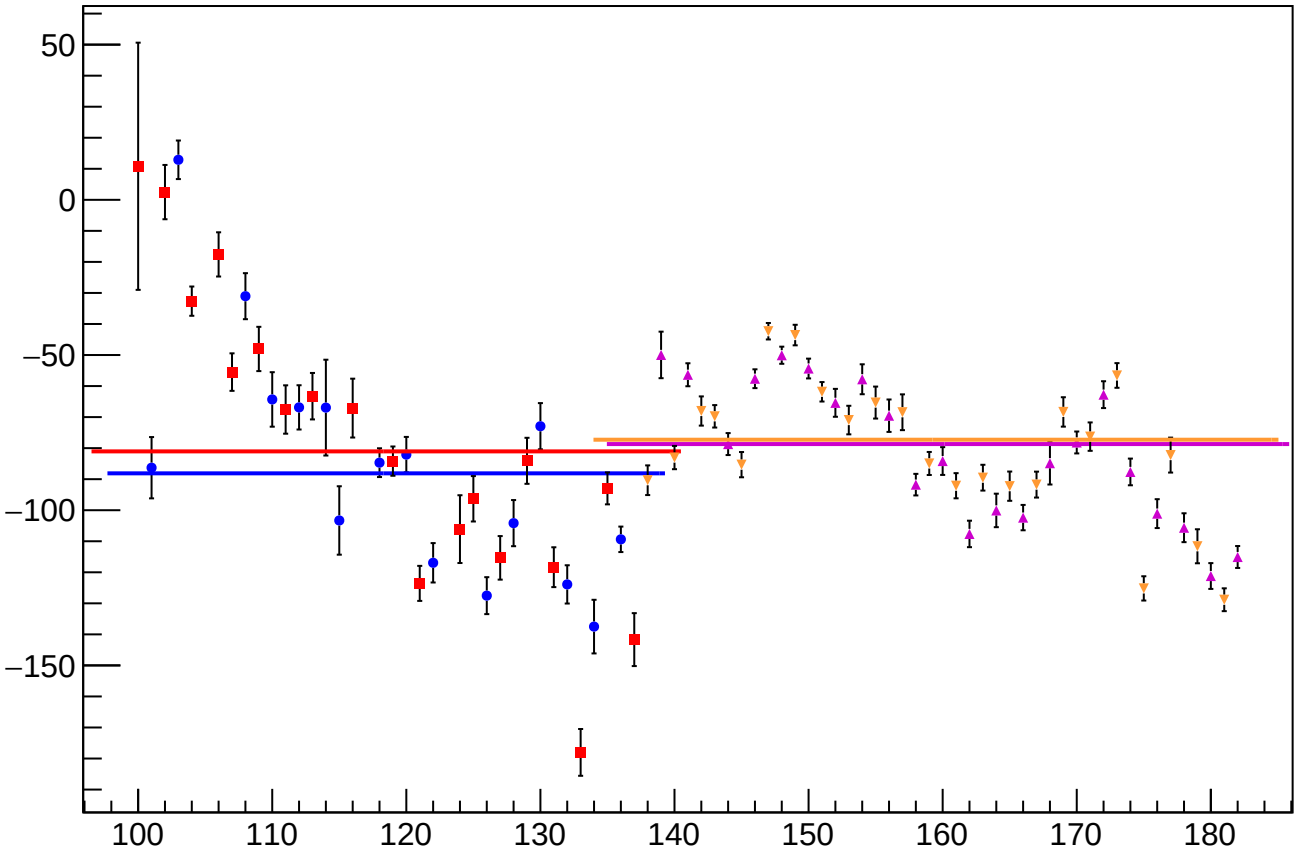
Left: -258.462+/-0.706 χ^2/NDF: 3794.9/44

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -271.945+/-0.836 χ^2/NDF:5160.6/37

Out: -266.964+/-0.822 χ^2/NDF:6008.7/41

All: -269.414+/-0.586 χ^2/NDF: 11187.3/79



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -77.283+/-0.845 χ^2/NDF:799.0/22

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -78.688+/-0.857 χ^2/NDF:693.0/21

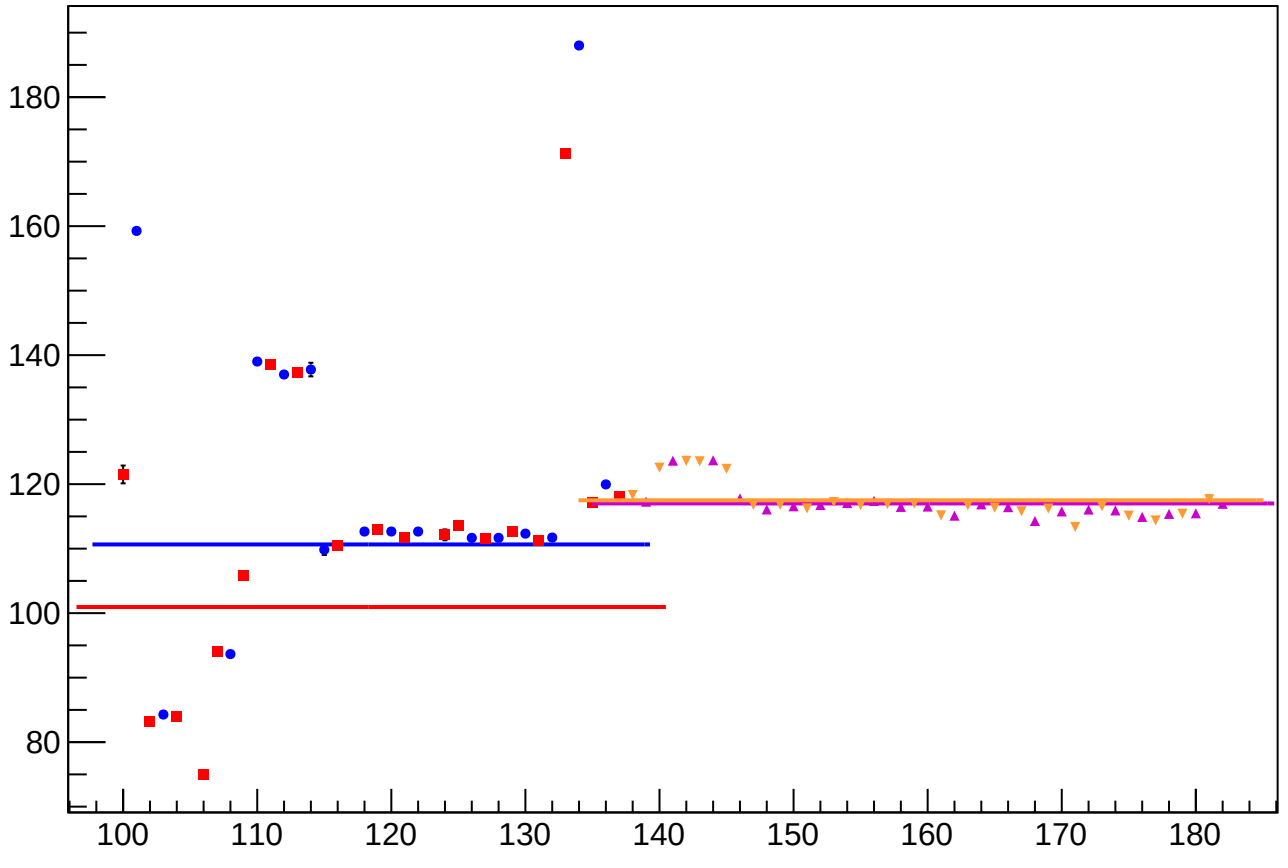
Left: -77.975+/-0.602 χ^2/NDF: 1493.3/44

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -80.684+/-0.761 χ^2/NDF:1230.5/37

Out: -78.129+/-0.744 χ^2/NDF:1481.0/41

All: -79.377+/-0.532 χ^2/NDF: 2717.2/79



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.496+/-0.039 χ^2/NDF:4729.1/22

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.006+/-0.039 χ^2/NDF:3296.3/21

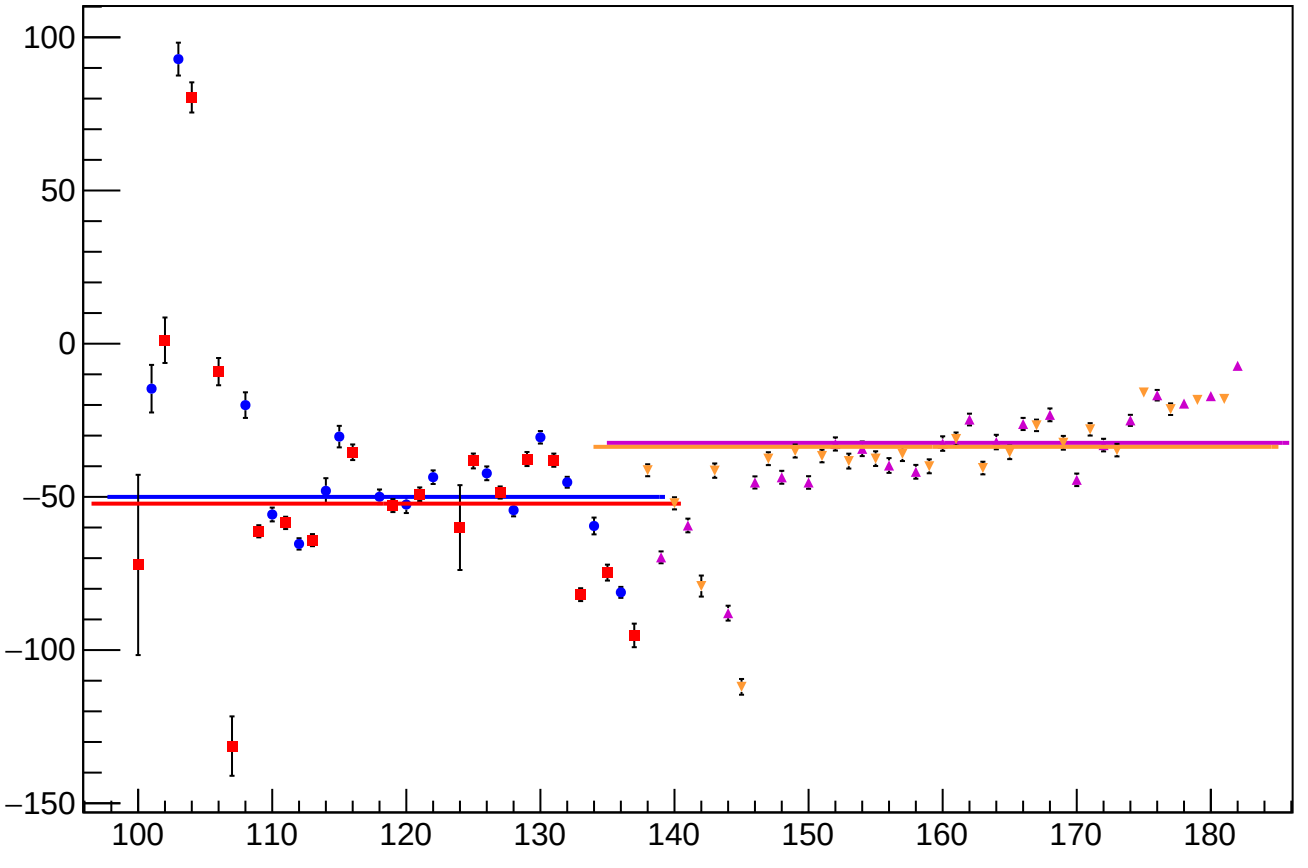
Left: 117.249+/-0.028 χ^2/NDF: 8103.1/44

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.916+/-0.036 χ^2/NDF:91362.0/37

Out: 114.319+/-0.035 χ^2/NDF:100474.8/41

All: 115.116+/-0.025 χ^2/NDF: 192848.4/79



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -33.665+/-0.420 χ^2/NDF:1693.5/22

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -32.369+/-0.415 χ^2/NDF:1886.8/21

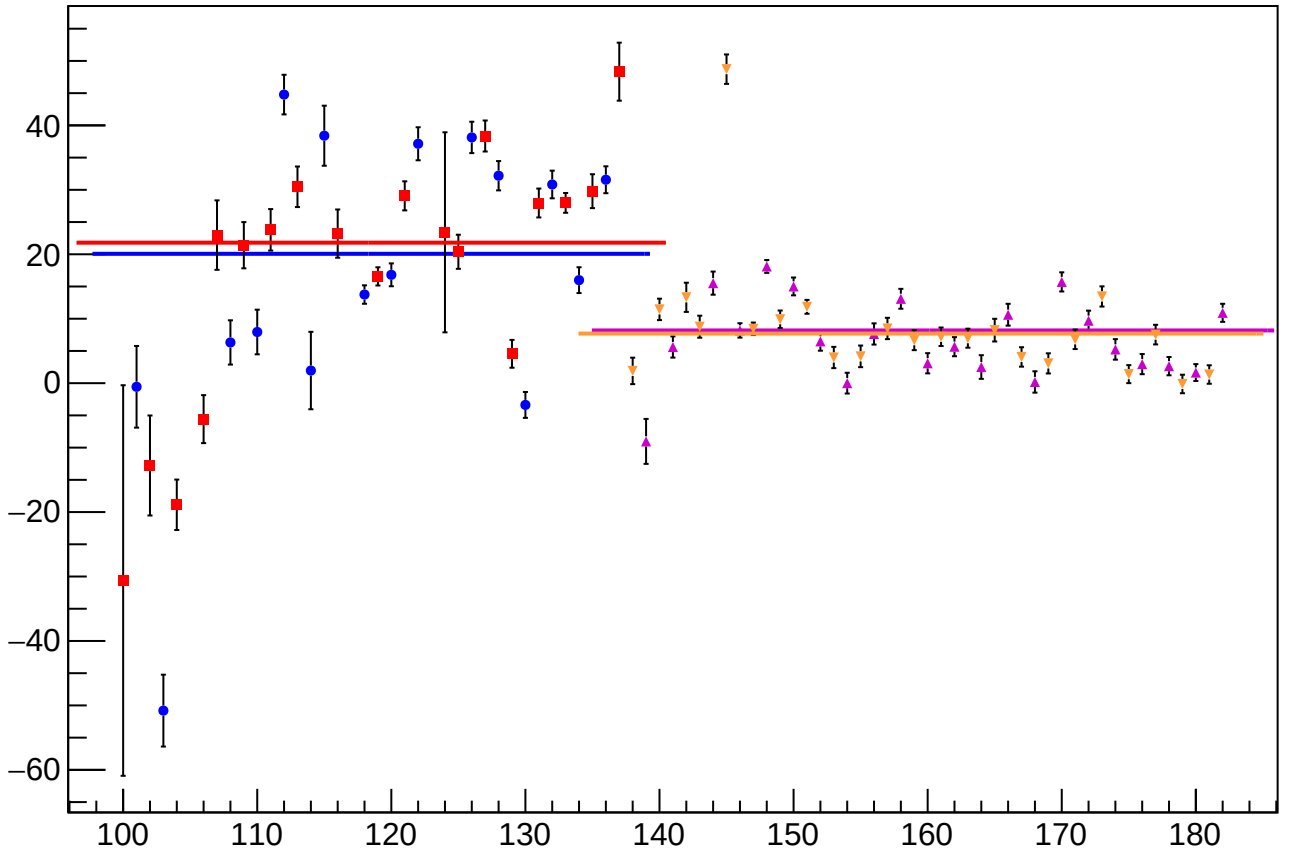
Left: -33.009+/-0.295 χ^2/NDF: 3585.2/44

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -37.948+/-0.343 χ^2/NDF:3785.9/37

Out: -39.693+/-0.345 χ^2/NDF:3897.7/41

All: -38.816+/-0.243 χ^2/NDF: 7696.5/79



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 7.696+/-0.313 χ^2/NDF:468.7/22

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 8.182+/-0.318 χ^2/NDF:337.8/21

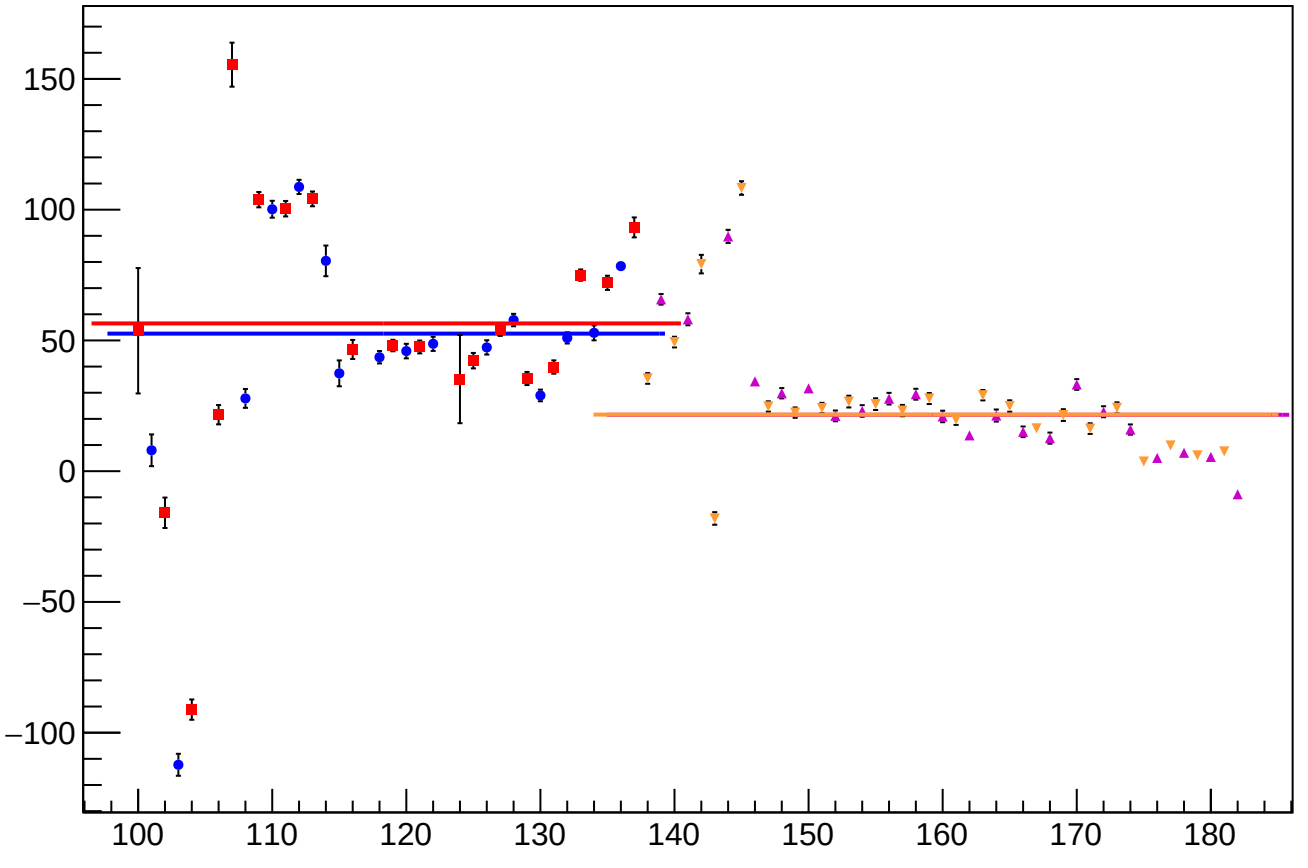
Left: 7.935+/-0.223 χ^2/NDF: 807.7/44

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 10.714+/-0.282 χ^2/NDF:1271.2/37

Out: 10.551+/-0.280 χ^2/NDF:1275.0/41

All: 10.632+/-0.199 χ^2/NDF: 2546.4/79



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 21.633+/-0.415 χ^2/NDF:2328.2/22

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 21.562+/-0.410 χ^2/NDF:2459.6/21

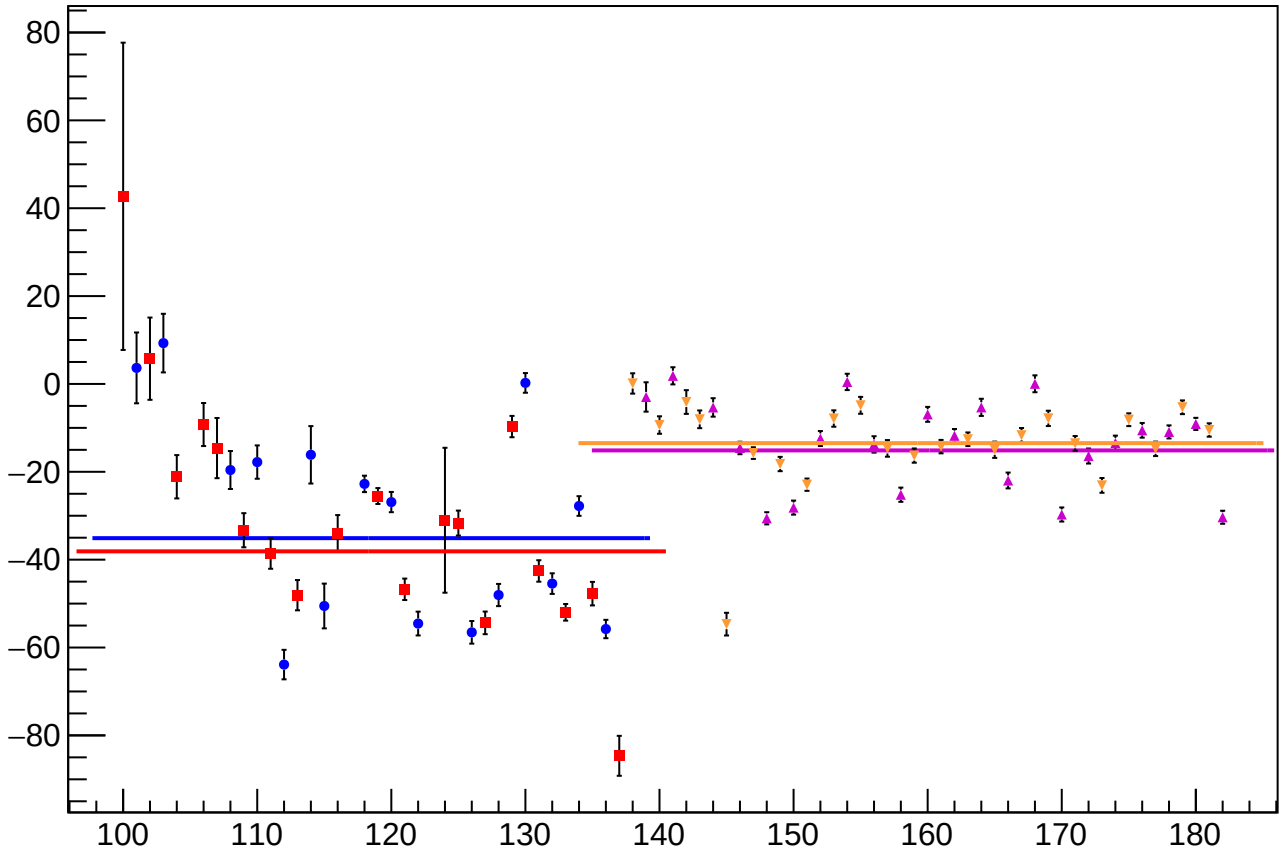
Left: 21.597+/-0.292 χ^2/NDF: 4787.8/44

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 29.552+/-0.353 χ^2/NDF:6594.8/37

Out: 30.587+/-0.357 χ^2/NDF:7109.3/41

All: 30.063+/-0.251 χ^2/NDF: 13708.3/79



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -13.473+/-0.356 χ^2/NDF:492.8/22

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -15.129+/-0.359 χ^2/NDF:766.6/21

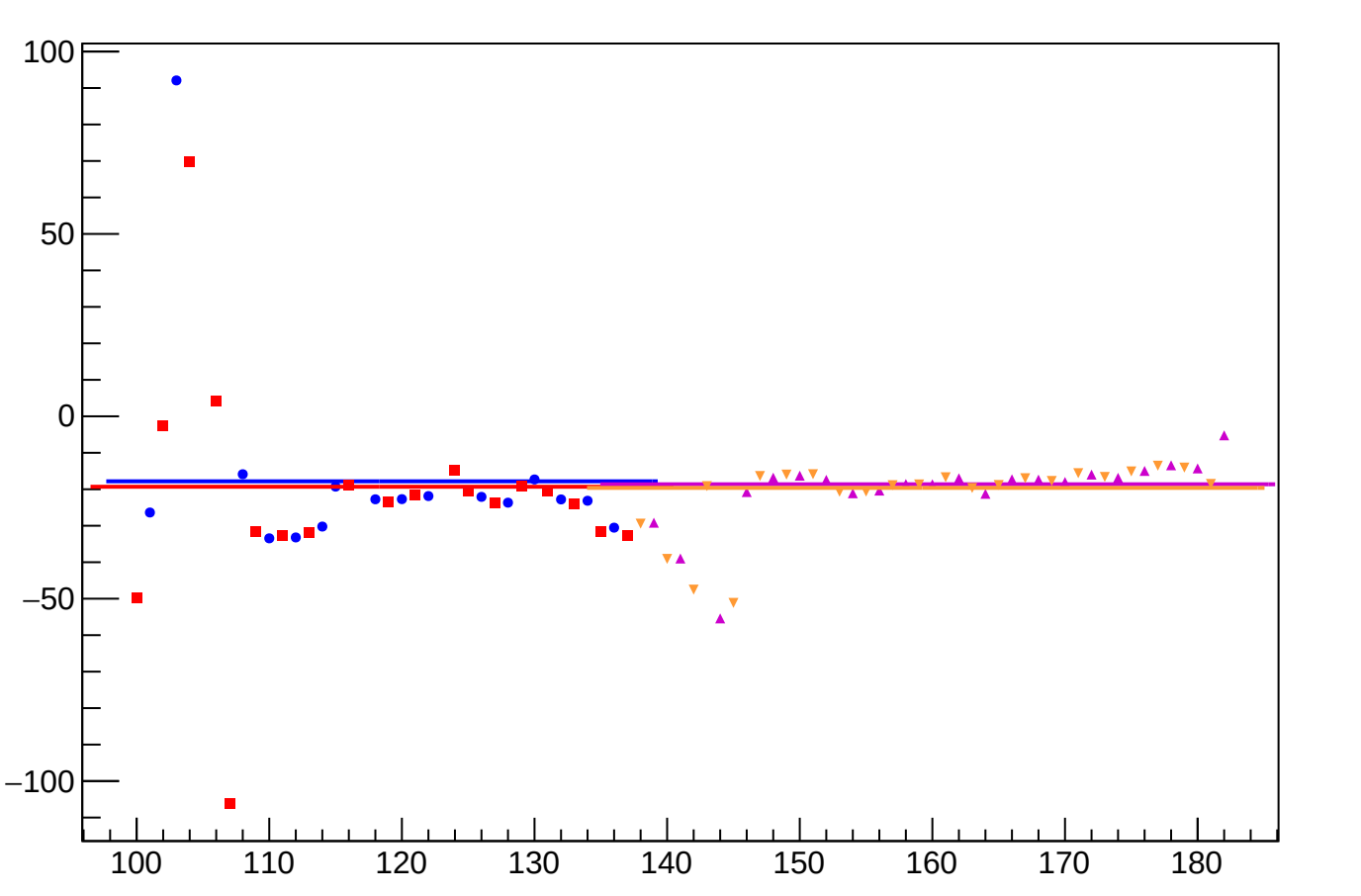
Left: -14.295+/-0.253 χ^2/NDF: 1270.1/44

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -19.286+/-0.319 χ^2/NDF:2184.4/37

Out: -18.390+/-0.319 χ^2/NDF:1960.7/41

All: -18.837+/-0.226 χ^2/NDF: 4149.1/79



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -19.623+/-0.016 χ^2/NDF:227086.2/22

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -18.633+/-0.016 χ^2/NDF:238042.6/21

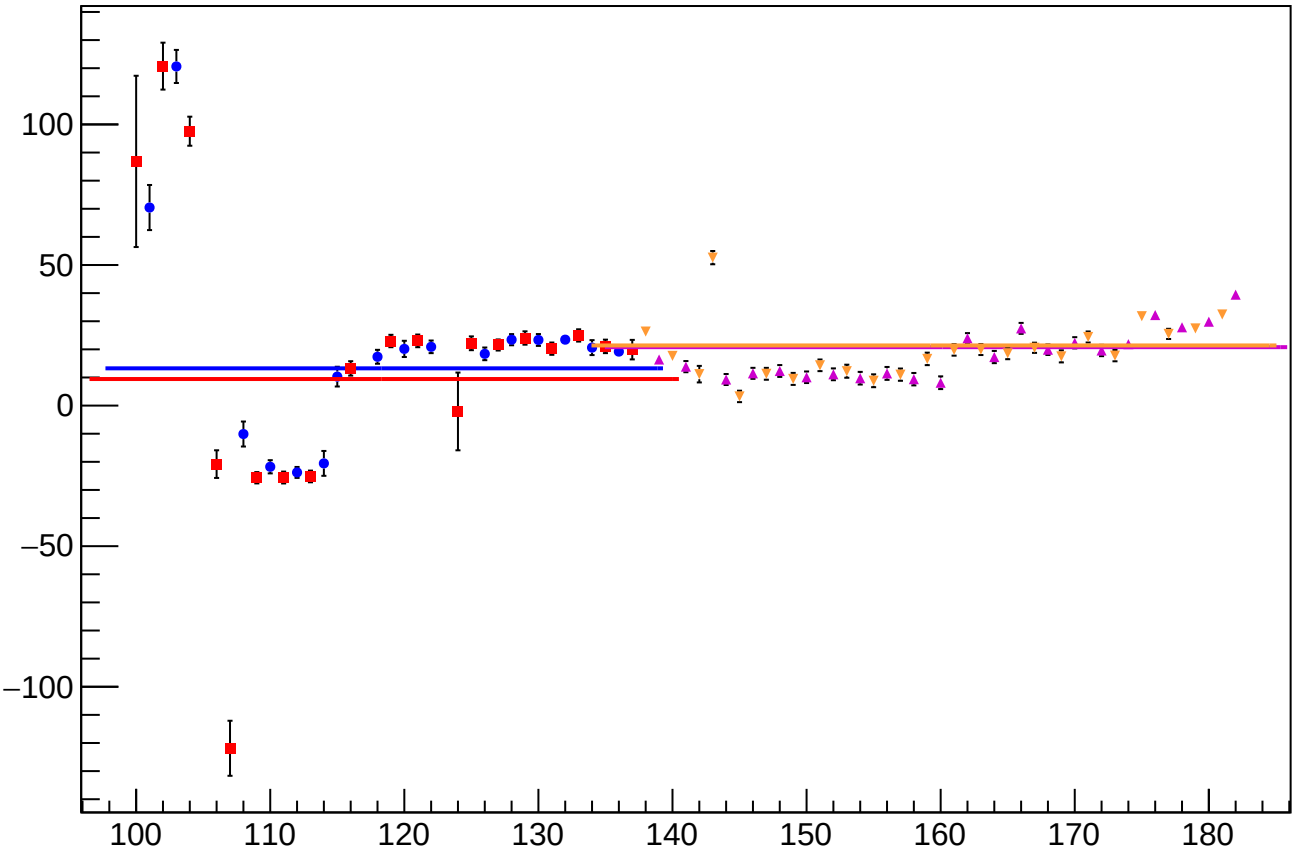
Left: -19.122+/-0.011 χ^2/NDF: 467039.2/44

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -18.535+/-0.015 χ^2/NDF:664461.1/37

Out: -19.589+/-0.015 χ^2/NDF:571753.8/41

All: -19.053+/-0.011 χ^2/NDF: 1238656.6/79



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 21.394+/-0.400 χ^2/NDF:580.1/22

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 20.780+/-0.398 χ^2/NDF:552.2/21

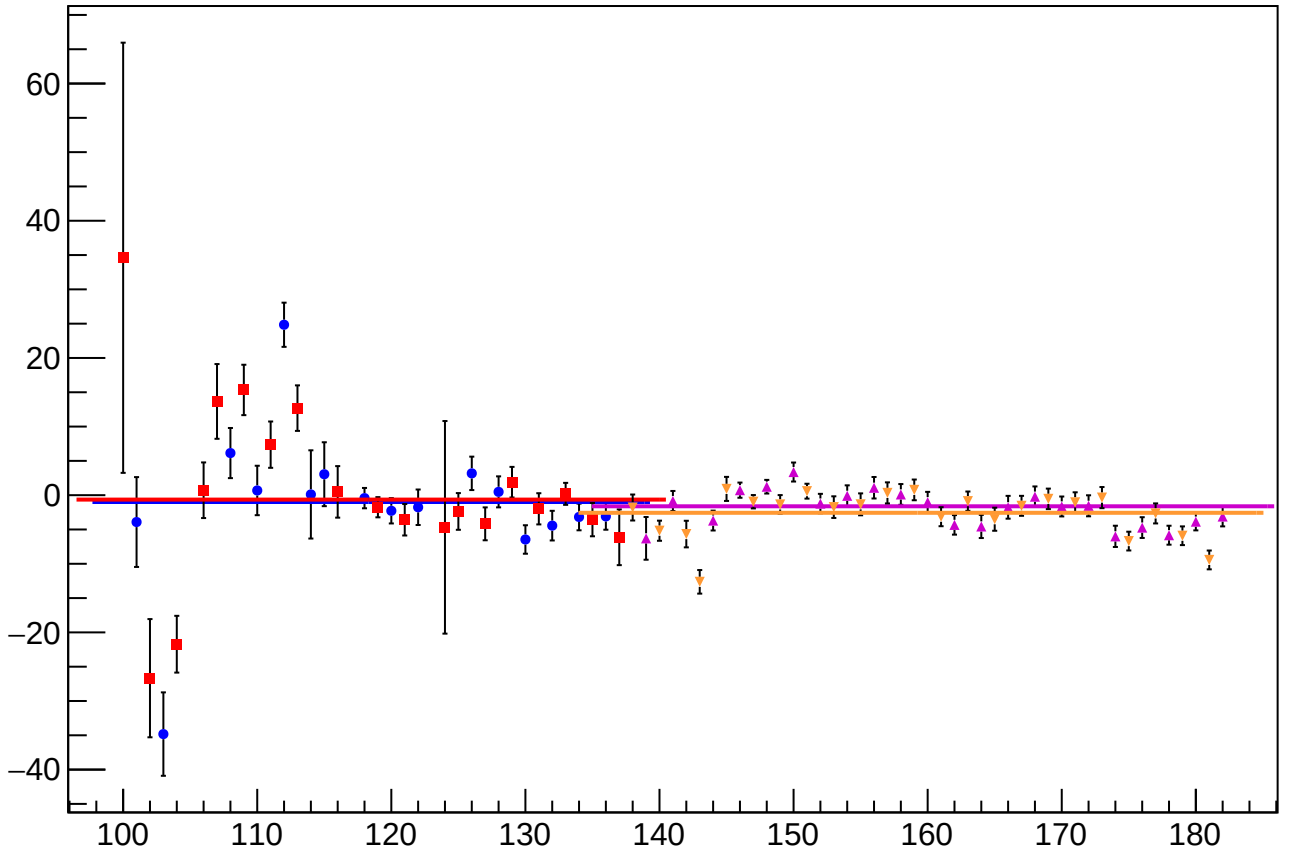
Left: 21.085+/-0.282 χ^2/NDF: 1133.5/44

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 18.559+/-0.334 χ^2/NDF:1840.5/37

Out: 17.845+/-0.335 χ^2/NDF:2681.8/41

All: 18.204+/-0.237 χ^2/NDF: 4524.6/79



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.568+/-0.301 χ^2/NDF:113.0/22

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -1.620+/-0.306 χ^2/NDF:69.1/21

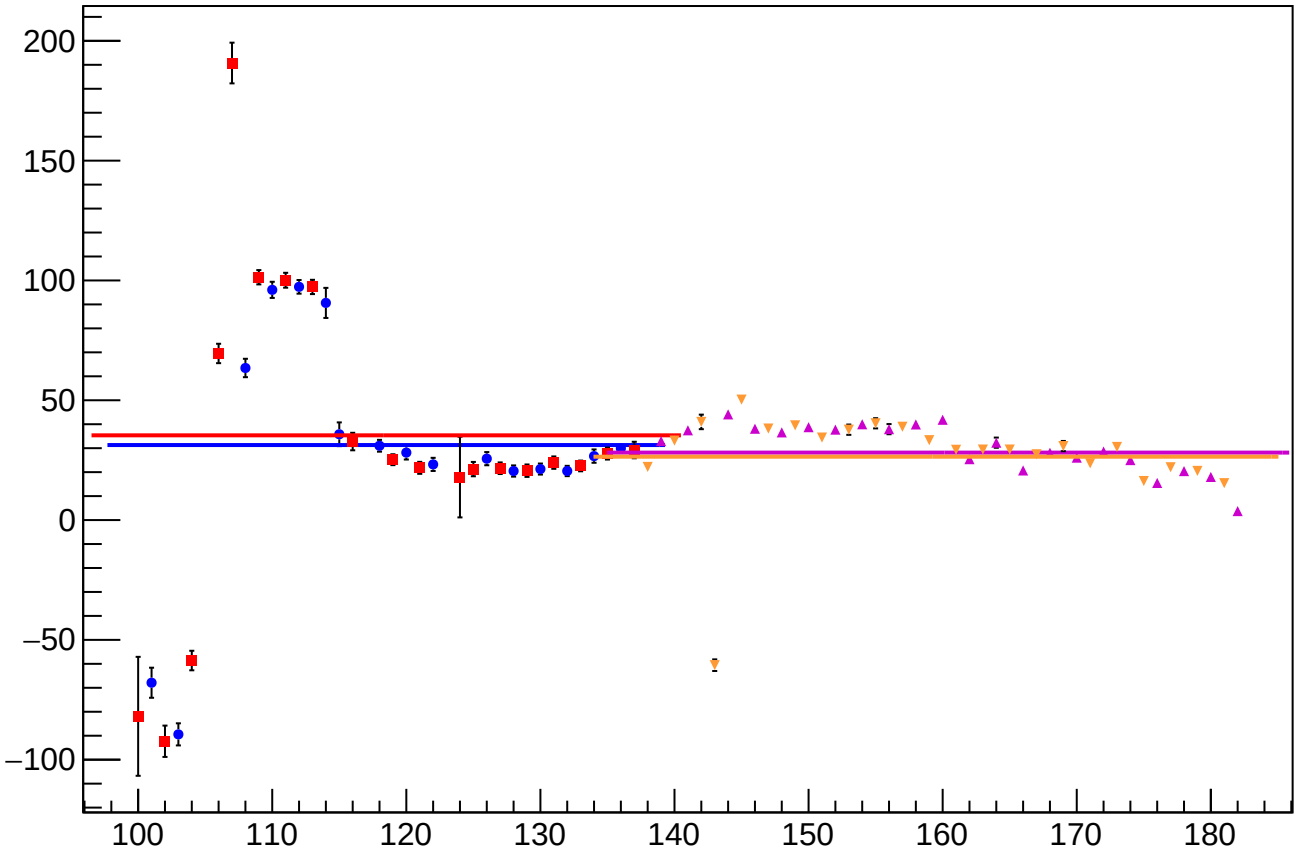
Left: -2.102+/-0.215 χ^2/NDF: 187.1/44

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -1.497+/-0.275 χ^2/NDF:186.3/37

Out: -2.216+/-0.272 χ^2/NDF:214.8/41

All: -1.860+/-0.193 χ^2/NDF: 404.5/79



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 26.445+/-0.396 χ^2/NDF:1836.2/22

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 28.154+/-0.393 χ^2/NDF:775.6/21

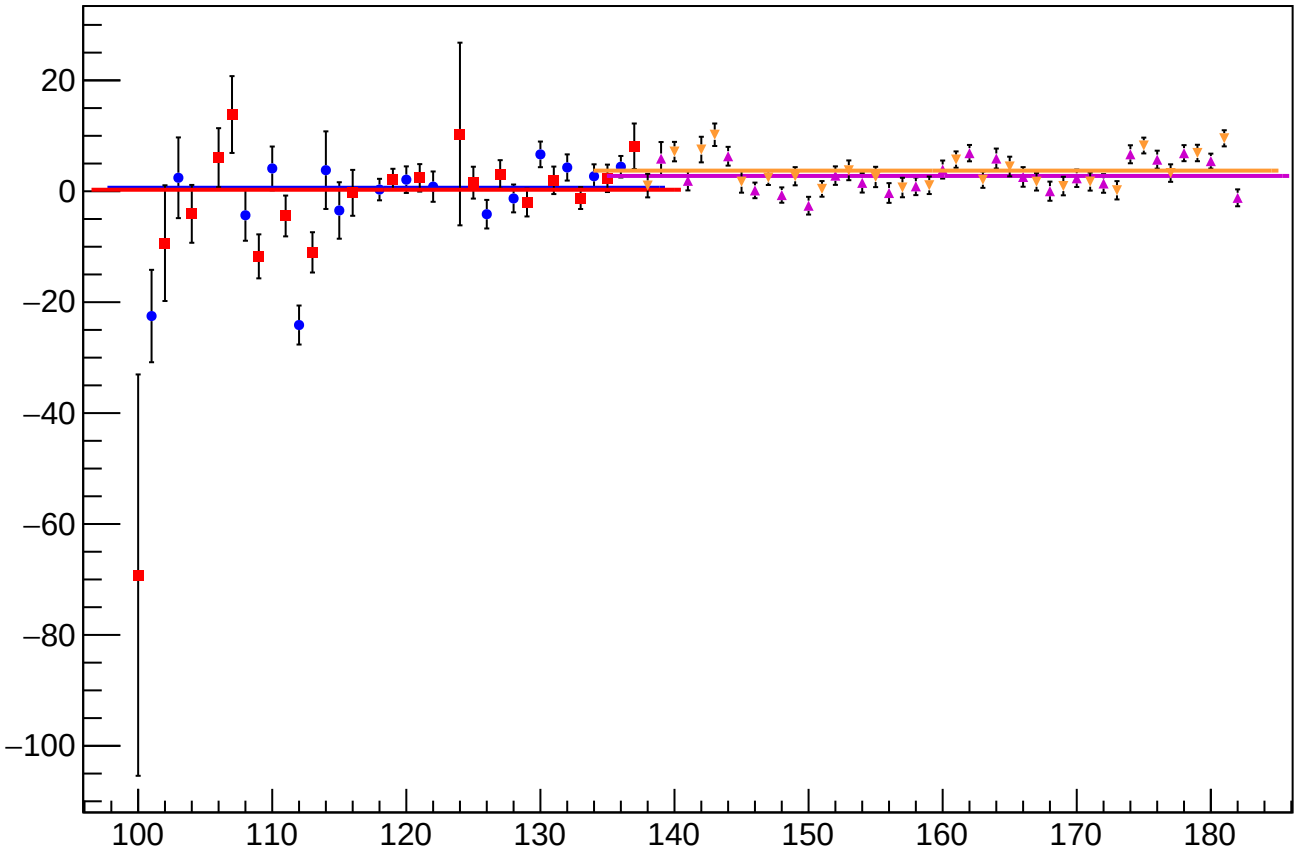
Left: 27.304+/-0.279 χ^2/NDF: 2621.2/44

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 28.911+/-0.343 χ^2/NDF:2877.0/37

Out: 28.526+/-0.346 χ^2/NDF:4852.5/41

All: 28.720+/-0.244 χ^2/NDF: 7730.1/79



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.724+/-0.342 χ^2/NDF:76.7/22

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.764+/-0.345 χ^2/NDF:73.9/21

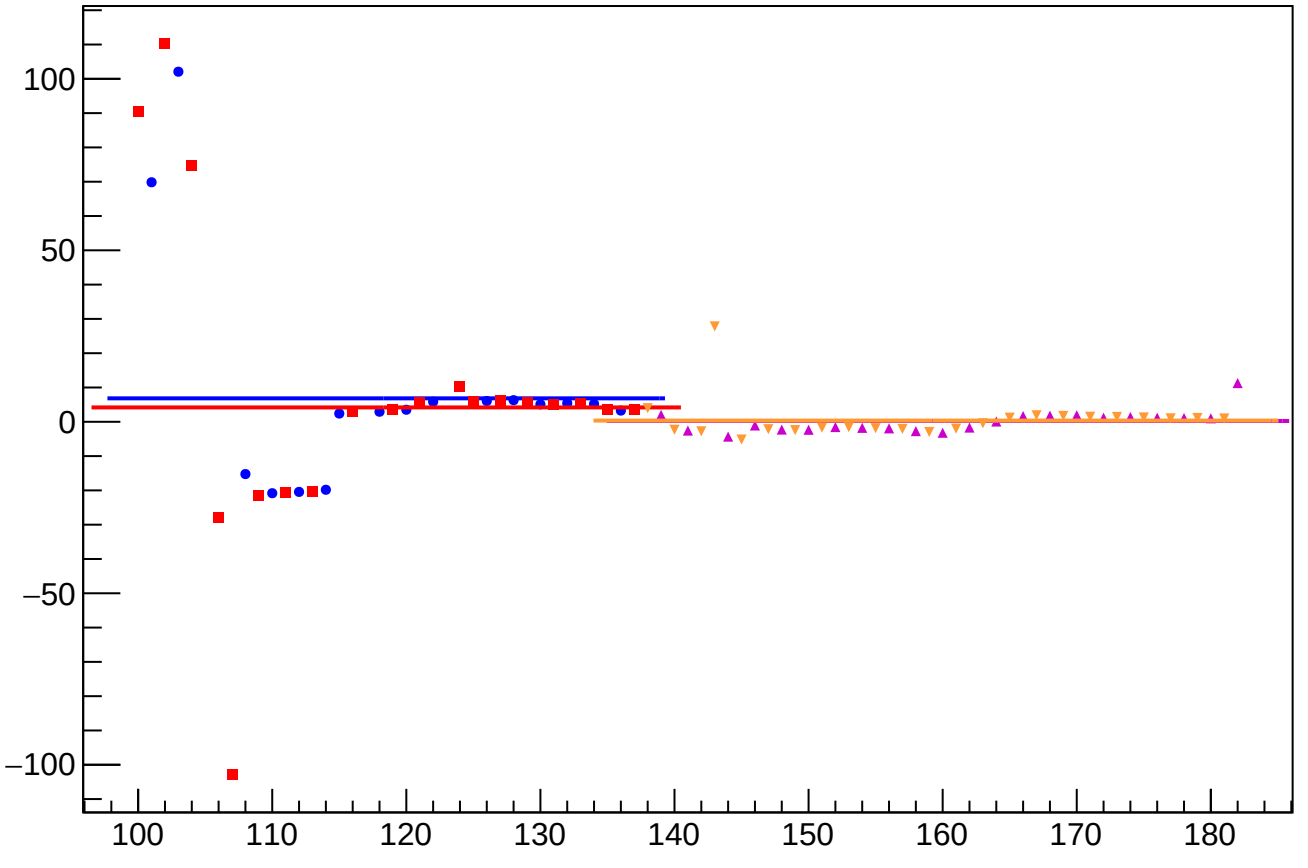
Left: 3.249+/-0.243 χ^2/NDF: 154.5/44

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 2.352+/-0.310 χ^2/NDF:159.7/37

Out: 3.098+/-0.309 χ^2/NDF:135.7/41

All: 2.726+/-0.219 χ^2/NDF: 298.3/79



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.354+/-0.015 χ^2/NDF:94223.2/22

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: 0.232+/-0.015 χ^2/NDF:43126.8/21

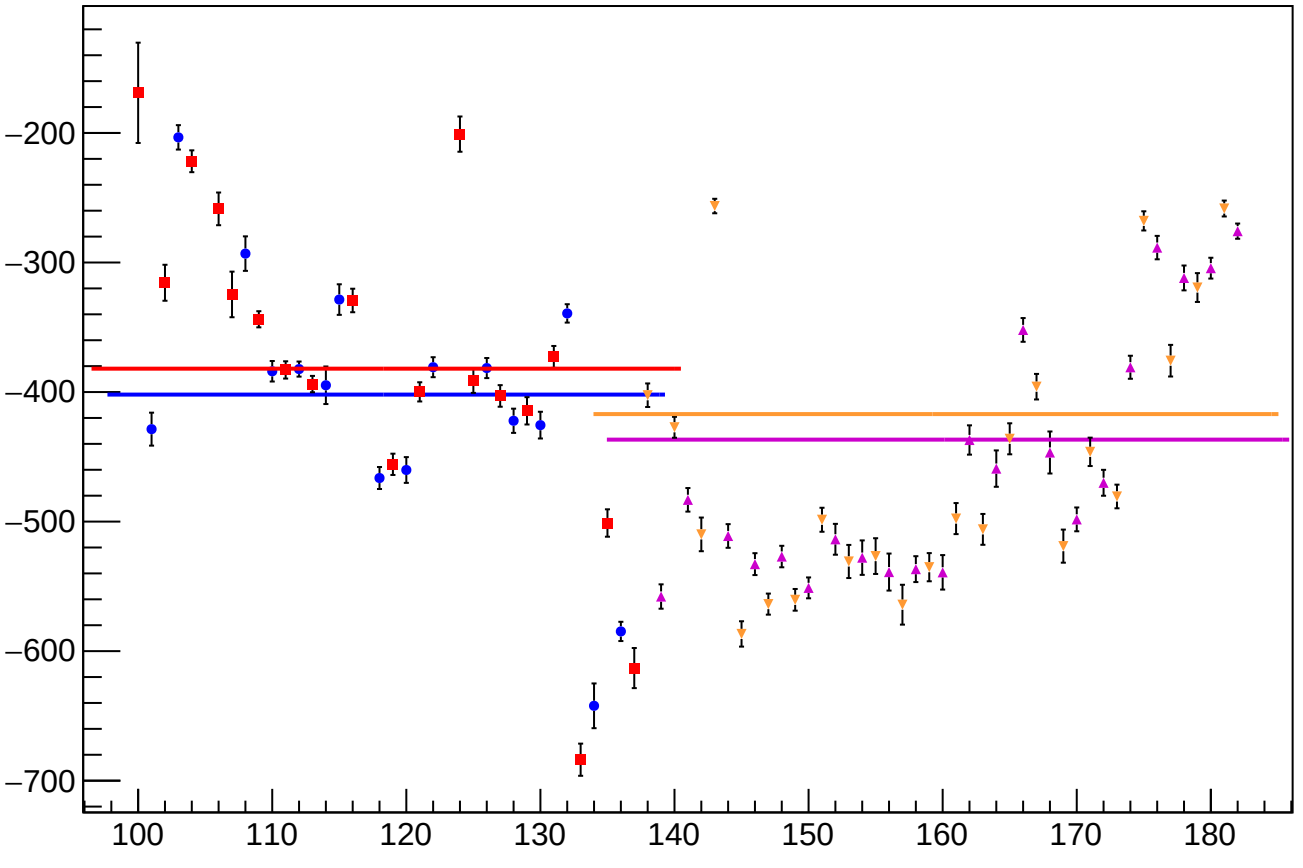
Left: 0.292+/-0.011 χ^2/NDF: 137382.1/44

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.973+/-0.014 χ^2/NDF:385188.0/37

Out: 0.735+/-0.015 χ^2/NDF:534953.9/41

All: 0.856+/-0.010 χ^2/NDF: 920277.3/79



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -417.011+/-1.968 χ^2/NDF:3619.8/22

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -436.729+/-2.028 χ^2/NDF:2650.6/21

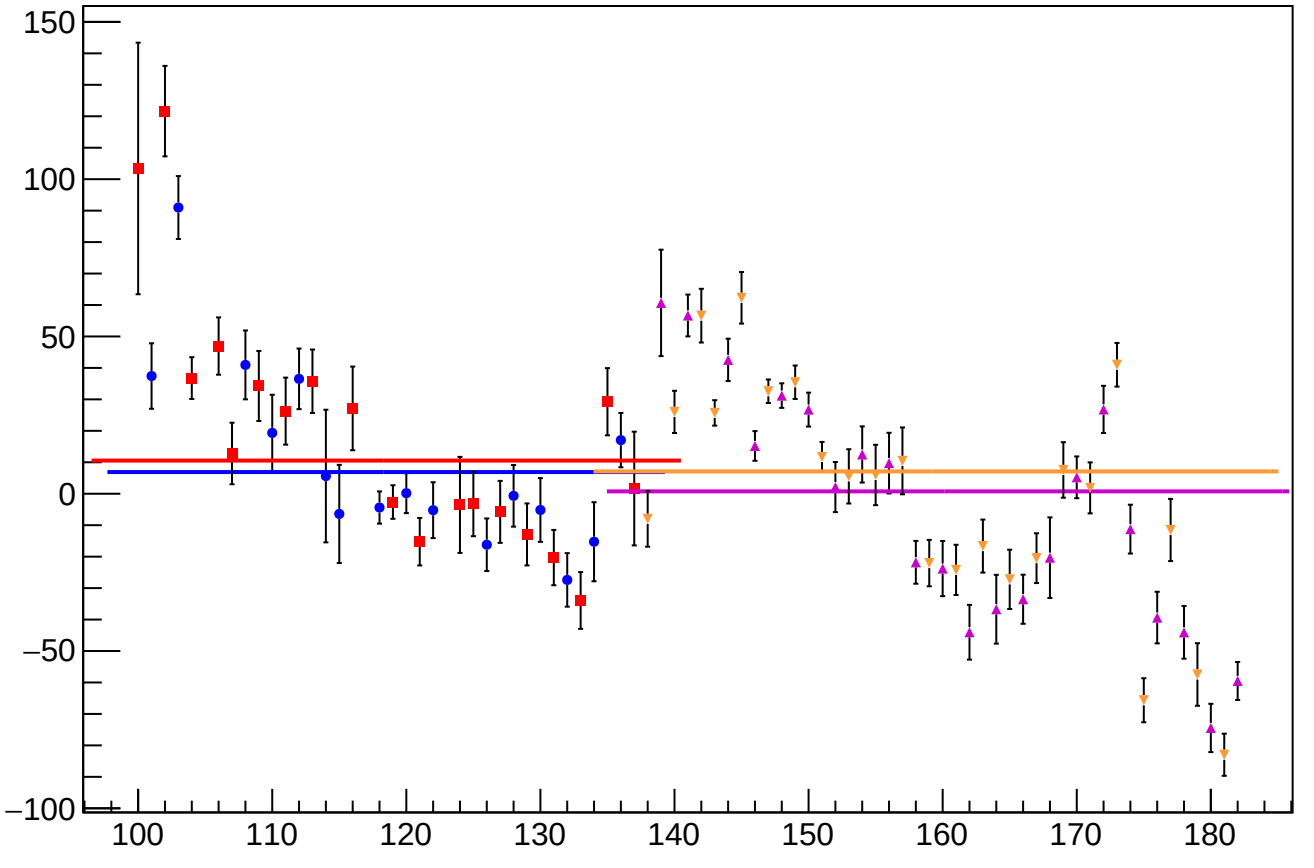
Left: -426.577+/-1.412 χ^2/NDF: 6319.1/44

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -421.041+/-1.502 χ^2/NDF:4346.5/37

Out: -400.816+/-1.444 χ^2/NDF:5583.8/41

All: -410.529+/-1.041 χ^2/NDF: 10024.5/79



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 7.094+/-1.420 χ^2/NDF:610.2/22

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 0.754+/-1.505 χ^2/NDF:560.1/21

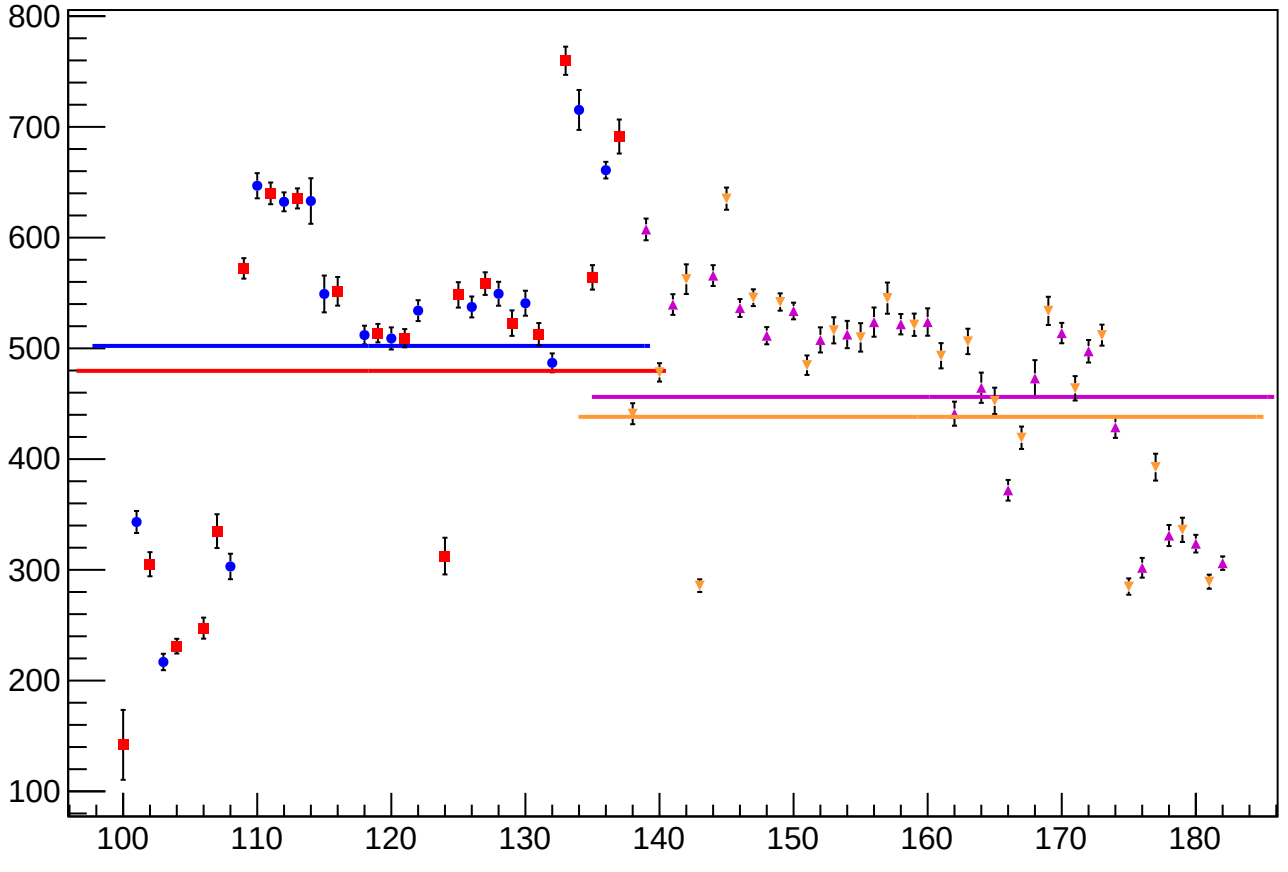
Left: 4.109+/-1.033 χ^2/NDF: 1179.7/44

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 2.635+/-1.253 χ^2/NDF:703.7/37

Out: 8.111+/-1.193 χ^2/NDF:792.0/41

All: 5.509+/-0.864 χ^2/NDF: 1505.7/79



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 438.191+/-1.954 χ^2/NDF:3070.8/22

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 456.155+/-2.005 χ^2/NDF:2362.8/21

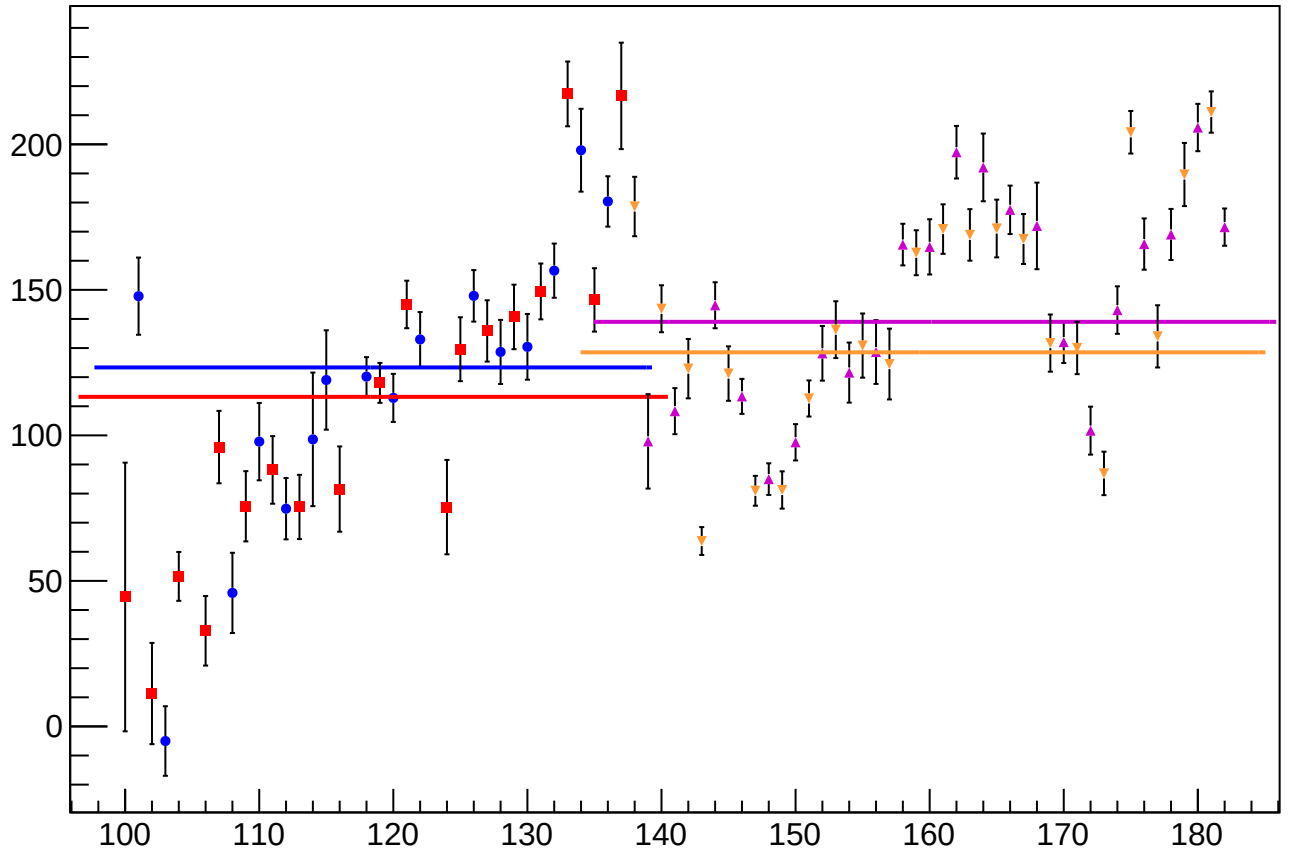
Left: 446.939+/-1.399 χ^2/NDF: 5474.8/44

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 474.248+/-1.562 χ^2/NDF:5705.2/37

Out: 454.731+/-1.515 χ^2/NDF:7389.1/41

All: 464.188+/-1.088 χ^2/NDF: 13174.8/79



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 128.534+/-1.651 χ^2/NDF:769.3/22

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 139.007+/-1.726 χ^2/NDF:433.8/21

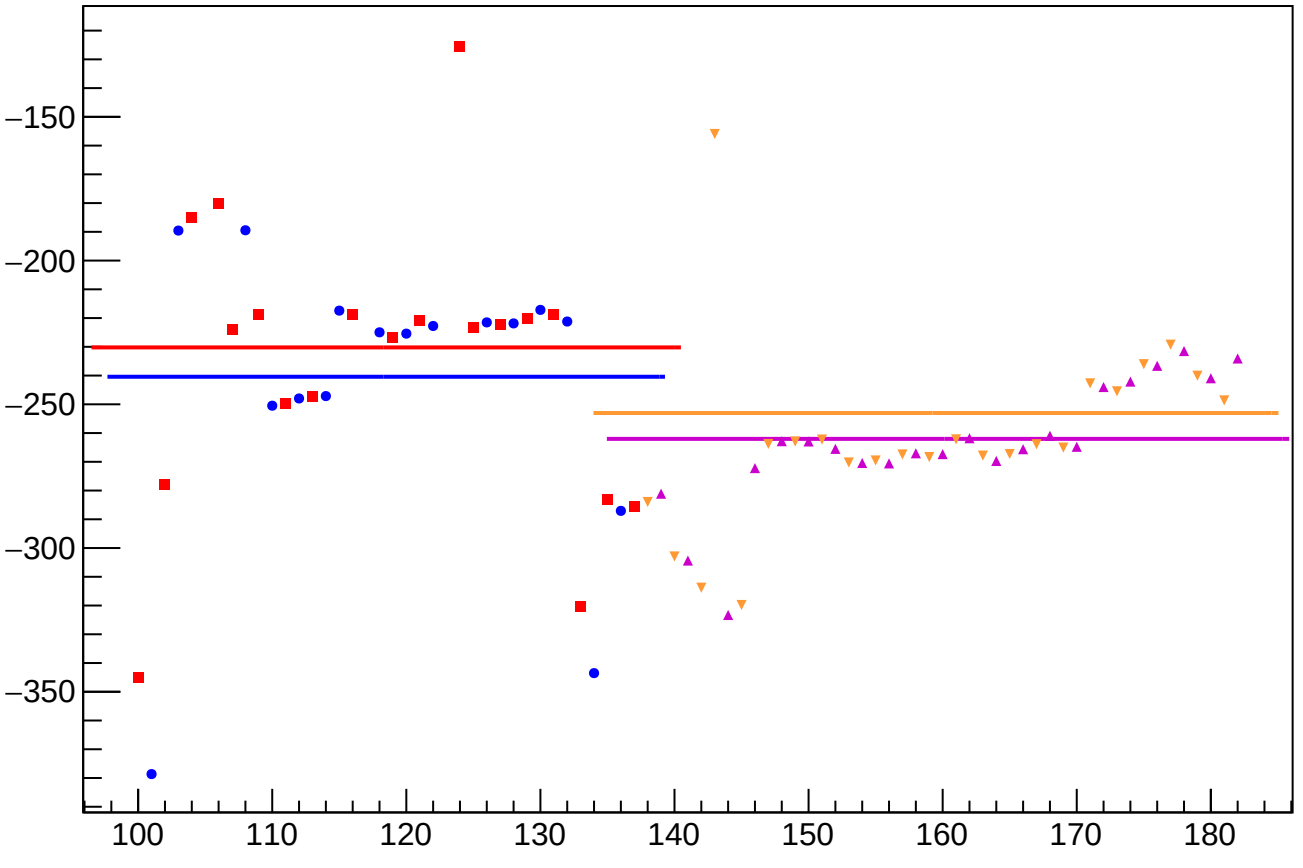
Left: 133.538+/-1.193 χ^2/NDF: 1222.4/44

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 134.286+/-1.442 χ^2/NDF:730.0/37

Out: 124.004+/-1.385 χ^2/NDF:1140.5/41

All: 128.936+/-0.999 χ^2/NDF: 1897.0/79



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -253.023+/-0.078 χ^2/NDF:250370.1/22

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -262.024+/-0.079 χ^2/NDF:67406.8/21

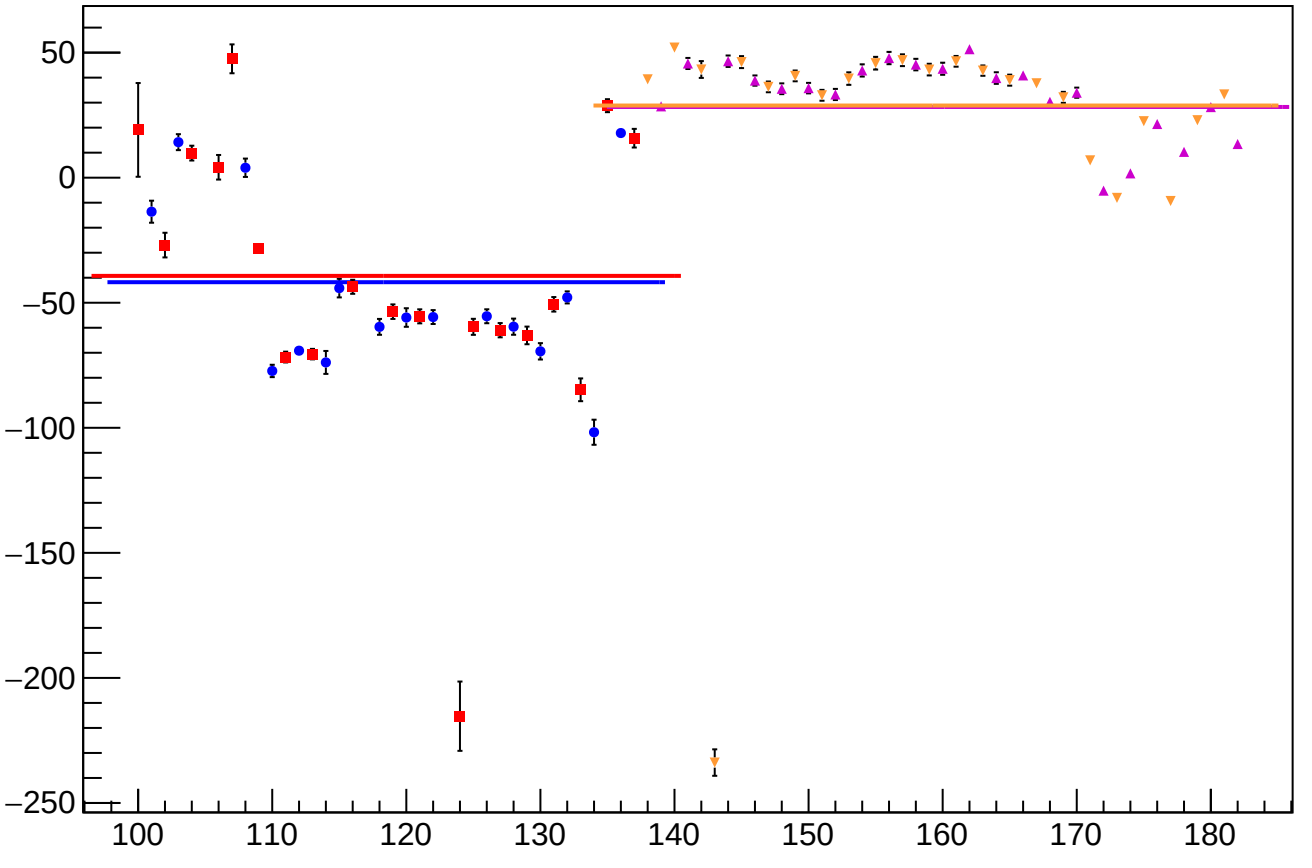
Left: -257.464+/-0.055 χ^2/NDF: 324363.2/44

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -257.366+/-0.070 χ^2/NDF:217712.6/37

Out: -247.994+/-0.069 χ^2/NDF:352711.7/41

All: -252.603+/-0.049 χ^2/NDF: 579556.6/79



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 28.848+/-0.411 χ^2/NDF:4102.3/22

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 28.272+/-0.402 χ^2/NDF:1467.7/21

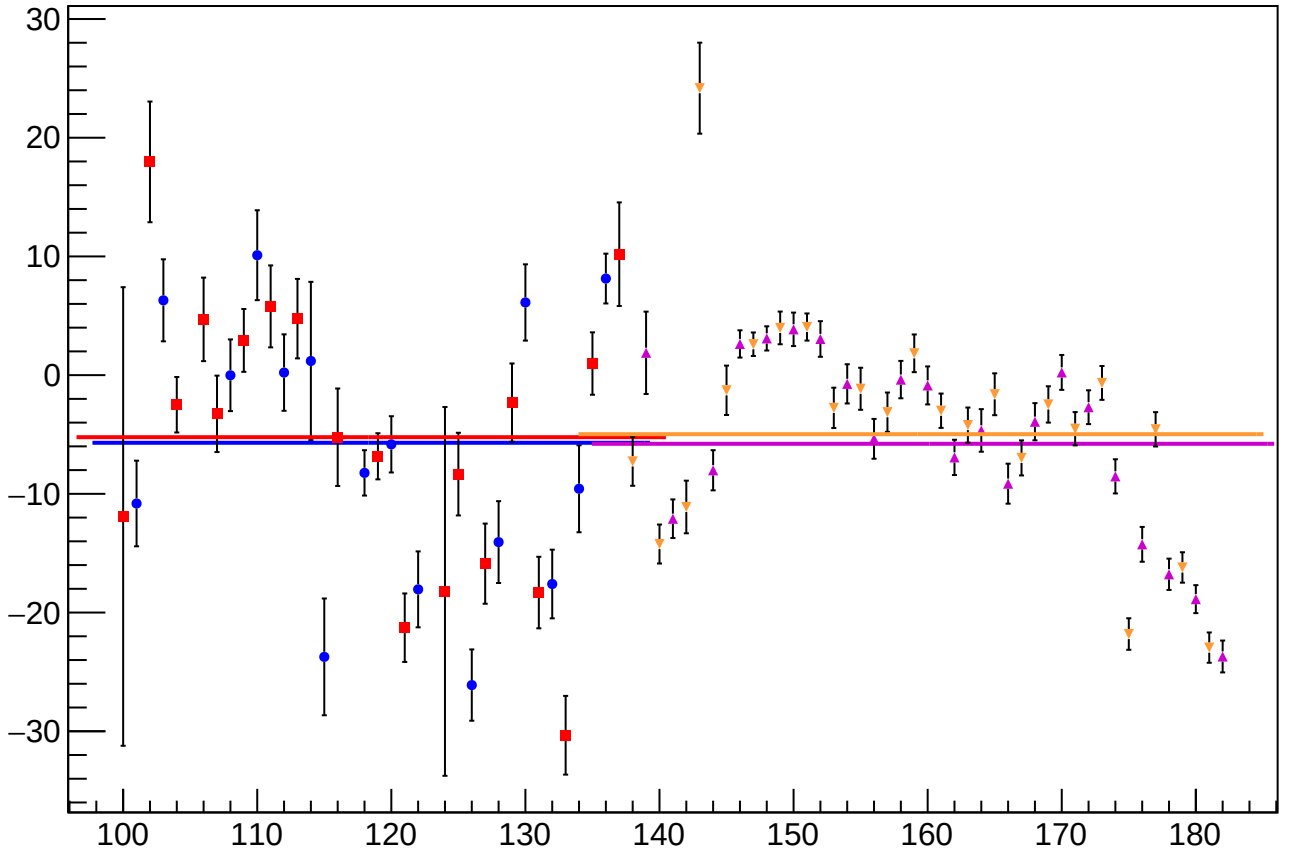
Left: 28.553+/-0.287 χ^2/NDF: 5571.1/44

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 11.760+/-0.351 χ^2/NDF:11047.5/37

Out: 10.598+/-0.352 χ^2/NDF:13933.0/41

All: 11.180+/-0.248 χ^2/NDF: 24985.9/79



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -4.973+/-0.312 χ^2/NDF:746.5/22

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -5.784+/-0.312 χ^2/NDF:699.1/21

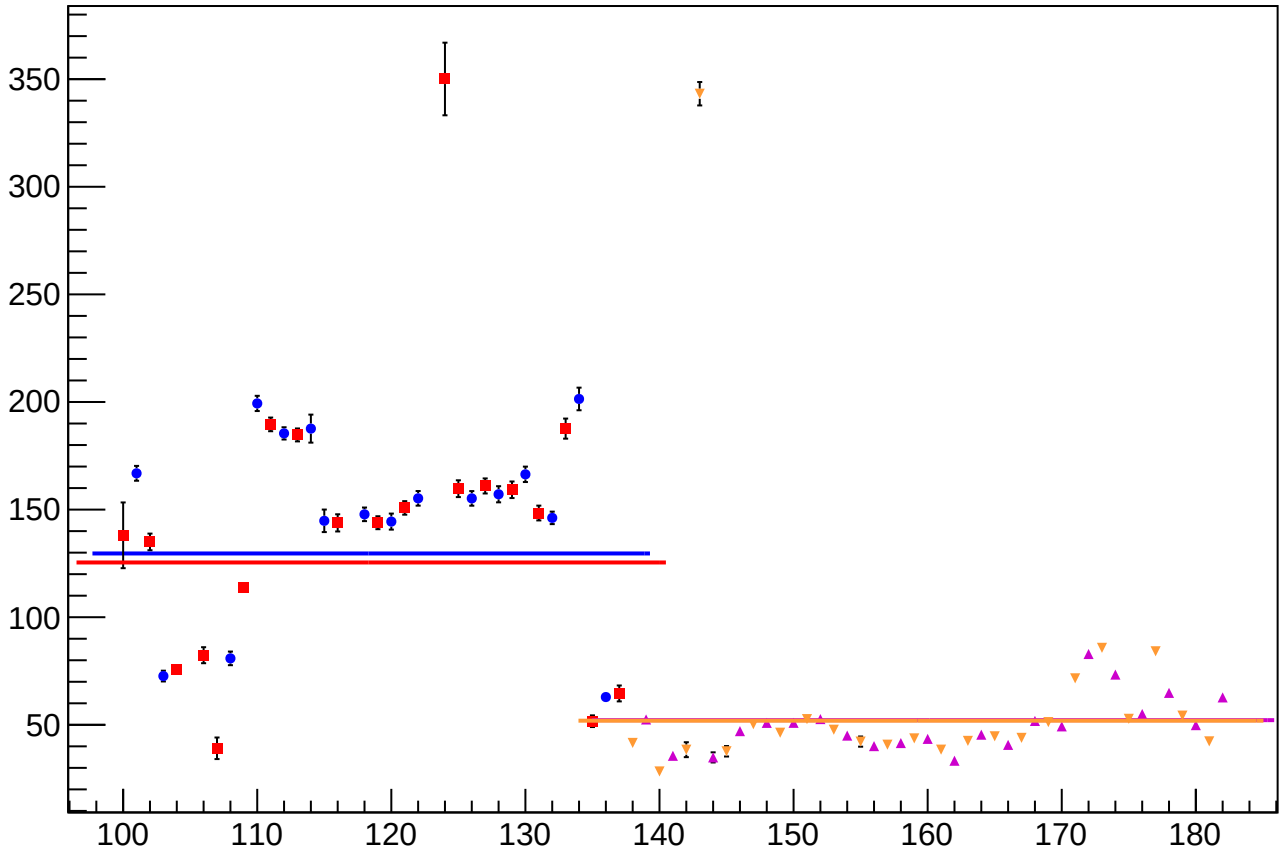
Left: -5.379+/-0.221 χ^2/NDF: 1449.0/44

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -5.771+/-0.288 χ^2/NDF:895.9/37

Out: -5.012+/-0.288 χ^2/NDF:943.9/41

All: -5.391+/-0.204 χ^2/NDF: 1843.3/79



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 51.923+/-0.407 χ^2/NDF:4051.0/22

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 52.171+/-0.398 χ^2/NDF:883.6/21

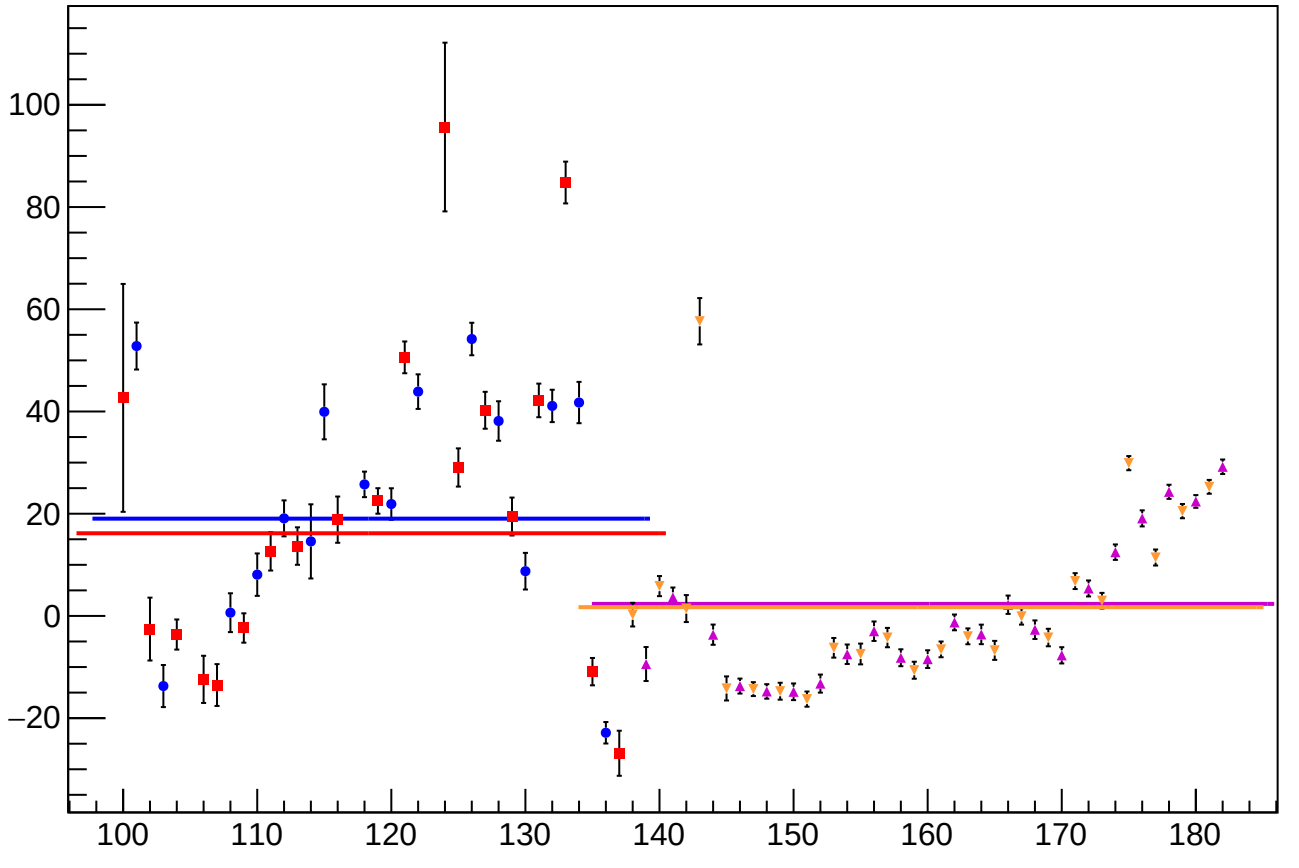
Left: 52.050+/-0.284 χ^2/NDF: 4934.7/44

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 67.508+/-0.356 χ^2/NDF:12012.9/37

Out: 67.343+/-0.362 χ^2/NDF:14400.2/41

All: 67.427+/-0.254 χ^2/NDF: 26413.1/79



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: 1.714+/-0.353 χ^2/NDF:1714.4/22

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: 2.355+/-0.350 χ^2/NDF:1683.3/21

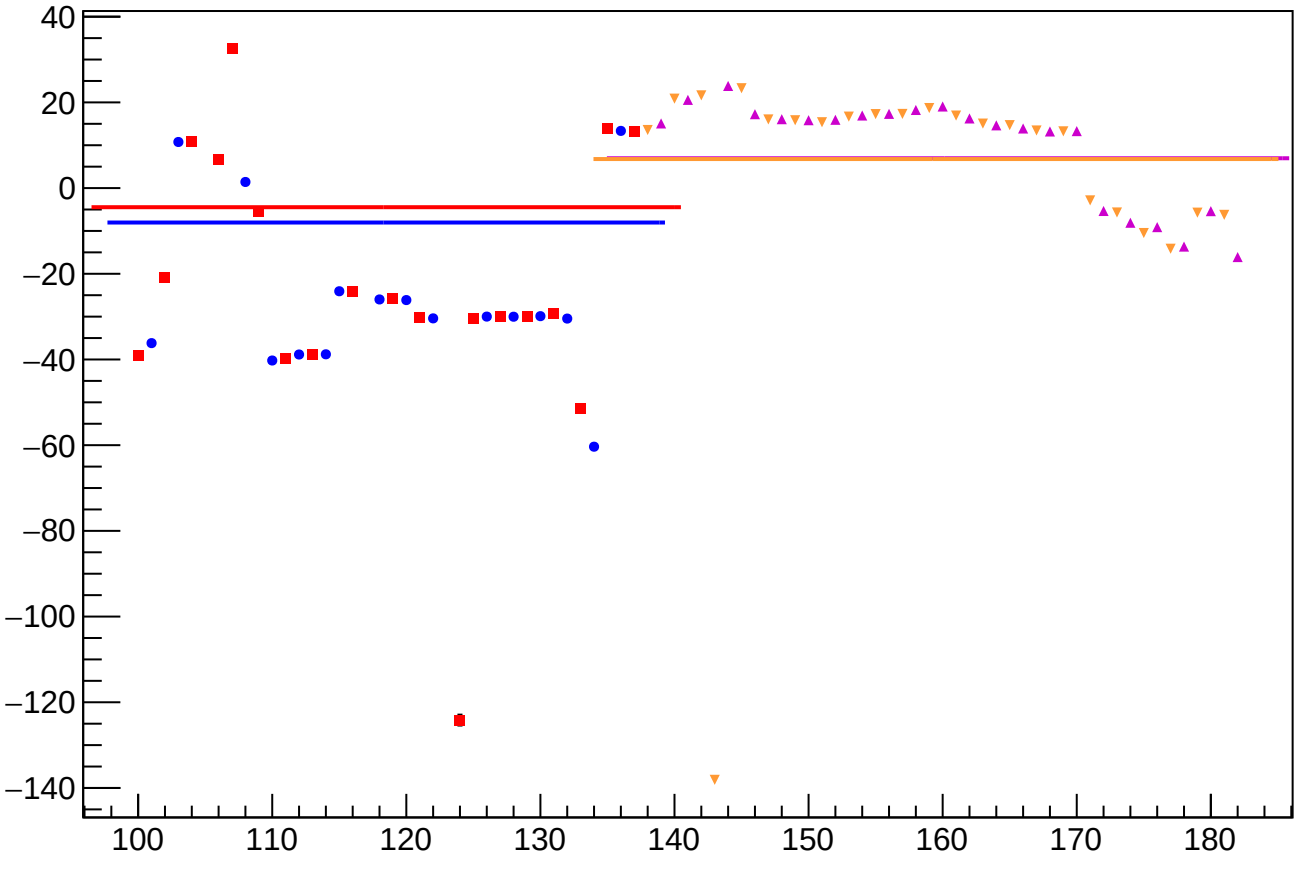
Left: 2.037+/-0.249 χ^2/NDF: 3399.4/44

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 4.731+/-0.325 χ^2/NDF:2864.0/37

Out: 3.860+/-0.326 χ^2/NDF:2904.4/41

All: 4.297+/-0.230 χ^2/NDF: 5772.1/79



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 6.777+/-0.016 χ^2/NDF:974430.1/22

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 6.962+/-0.016 χ^2/NDF:679801.8/21

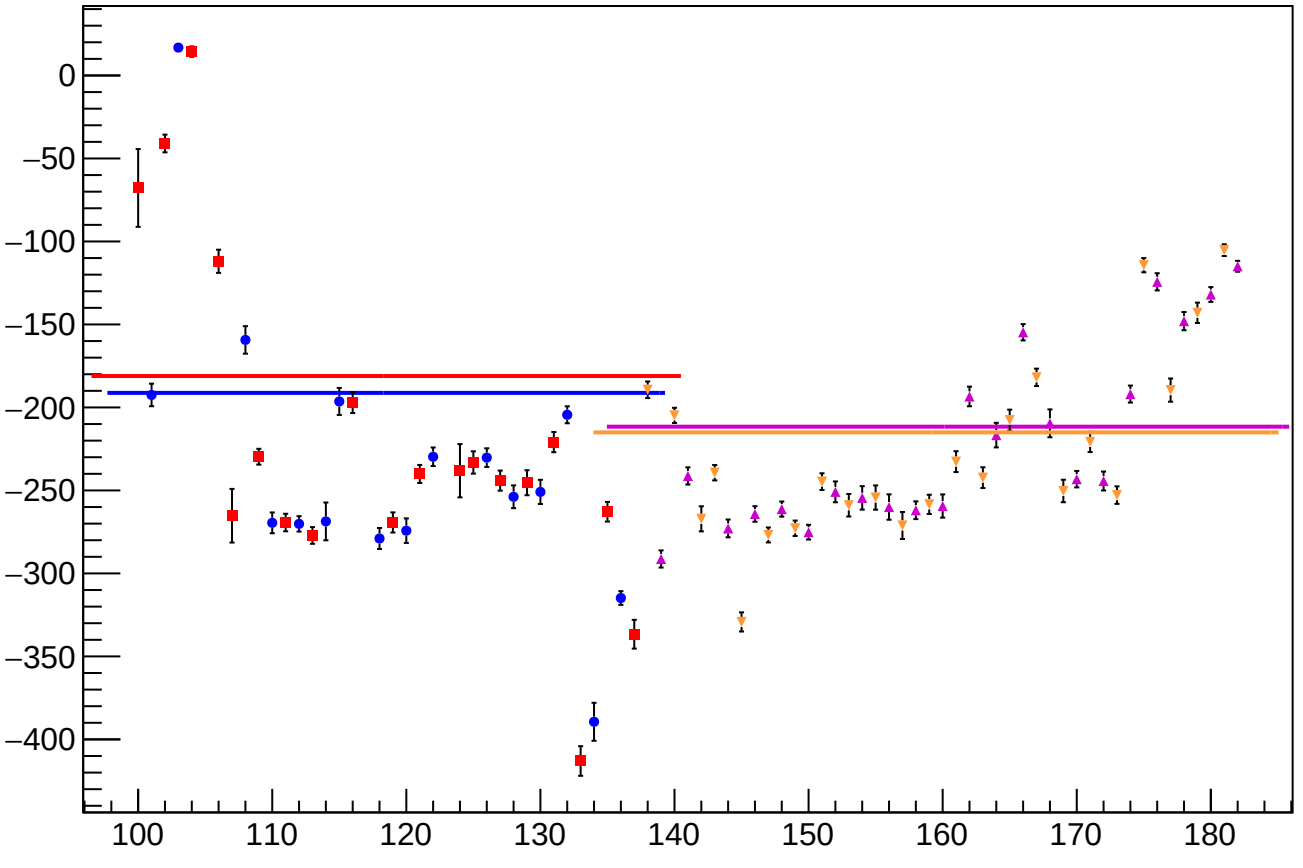
Left: 6.872+/-0.011 χ^2/NDF: 1654301.3/44

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 5.420+/-0.015 χ^2/NDF:1043802.7/37

Out: 5.616+/-0.015 χ^2/NDF:1254560.1/41

All: 5.516+/-0.011 χ^2/NDF: 2298449.8/79



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -215.025+/-1.132 χ^2/NDF:2866.8/22

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -211.594+/-1.120 χ^2/NDF:2940.1/21

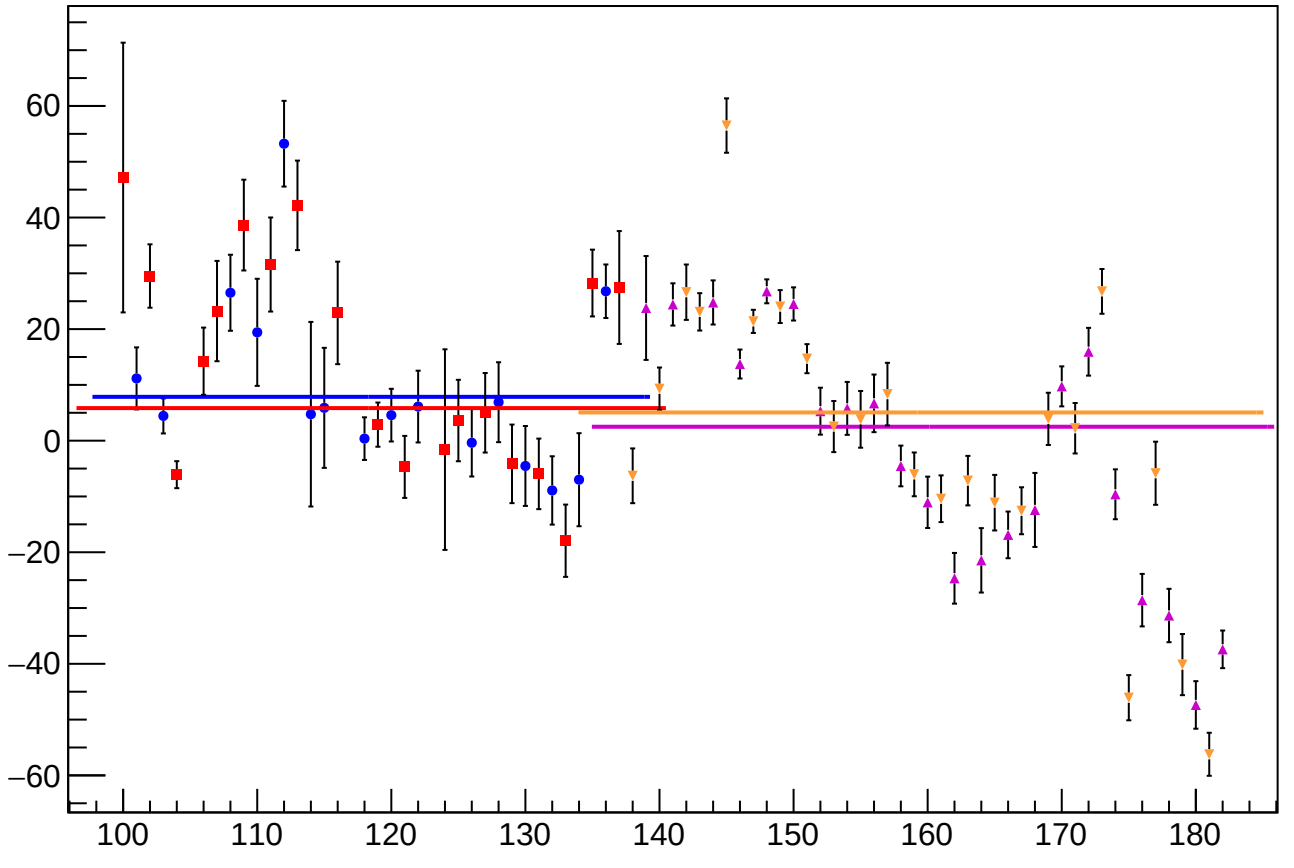
Left: -213.291+/-0.796 χ^2/NDF: 5811.5/44

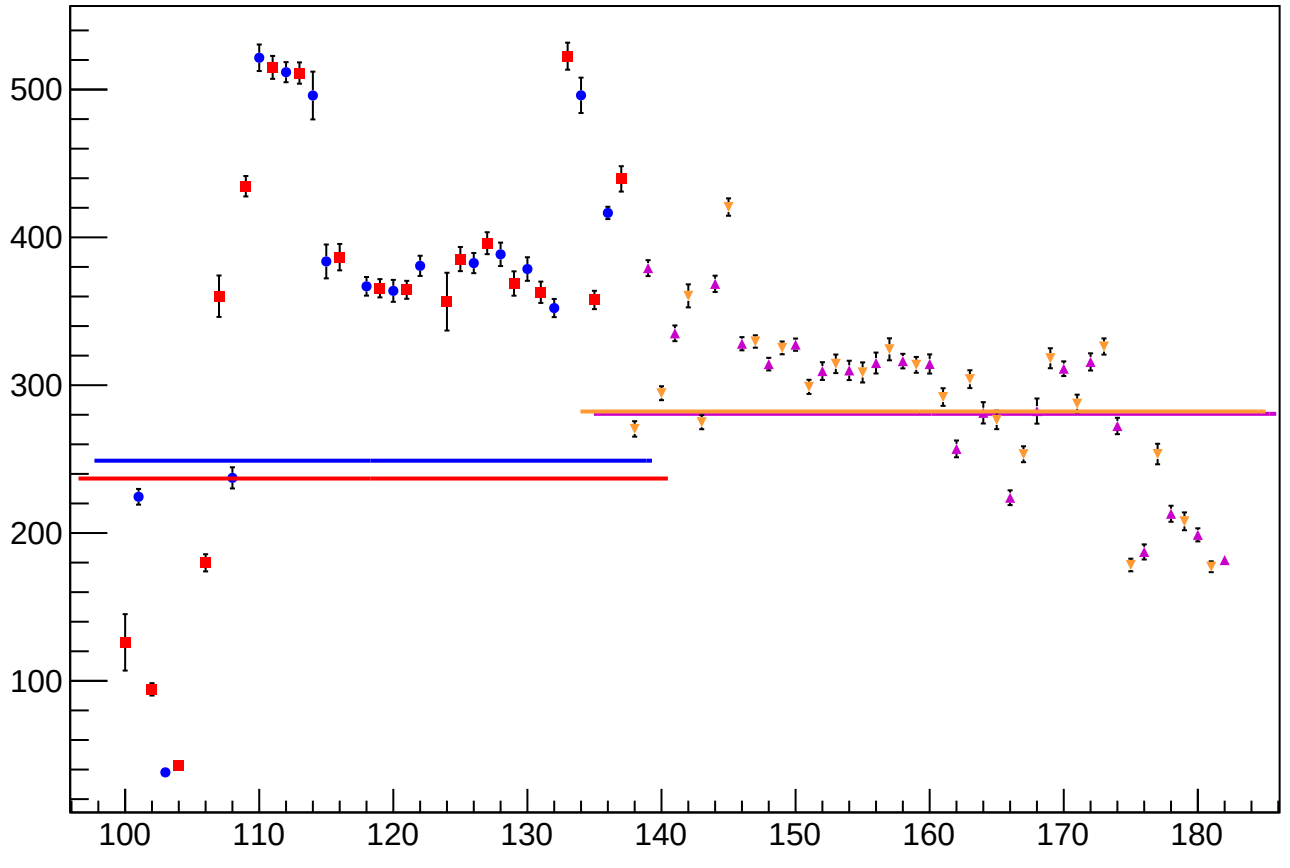
Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -203.774+/-0.879 χ^2/NDF:10291.8/37

Out: -201.402+/-0.876 χ^2/NDF:10601.7/41

All: -202.584+/-0.620 χ^2/NDF: 20897.1/79


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: 7.859+/-1.438 χ²/NDF: 80.9/15
Left Out: 5.060+/-0.813 χ²/NDF:854.2/22
Right Out: 5.839+/-1.355 χ²/NDF: 141.9/18
Left In: 2.498+/-0.828 χ²/NDF:757.5/21
Left: 3.804+/-0.580 χ²/NDF: 1616.5/44
Right: 6.789+/-0.986 χ²/NDF: 223.8/34
In: 3.834+/-0.718 χ²/NDF:848.8/37
Out: 5.266+/-0.697 χ²/NDF:996.3/41
All: 4.571+/-0.500 χ²/NDF: 1847.1/79



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 282.209+/-1.119 χ^2/NDF:2732.0/22

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 280.630+/-1.106 χ^2/NDF:3041.4/21

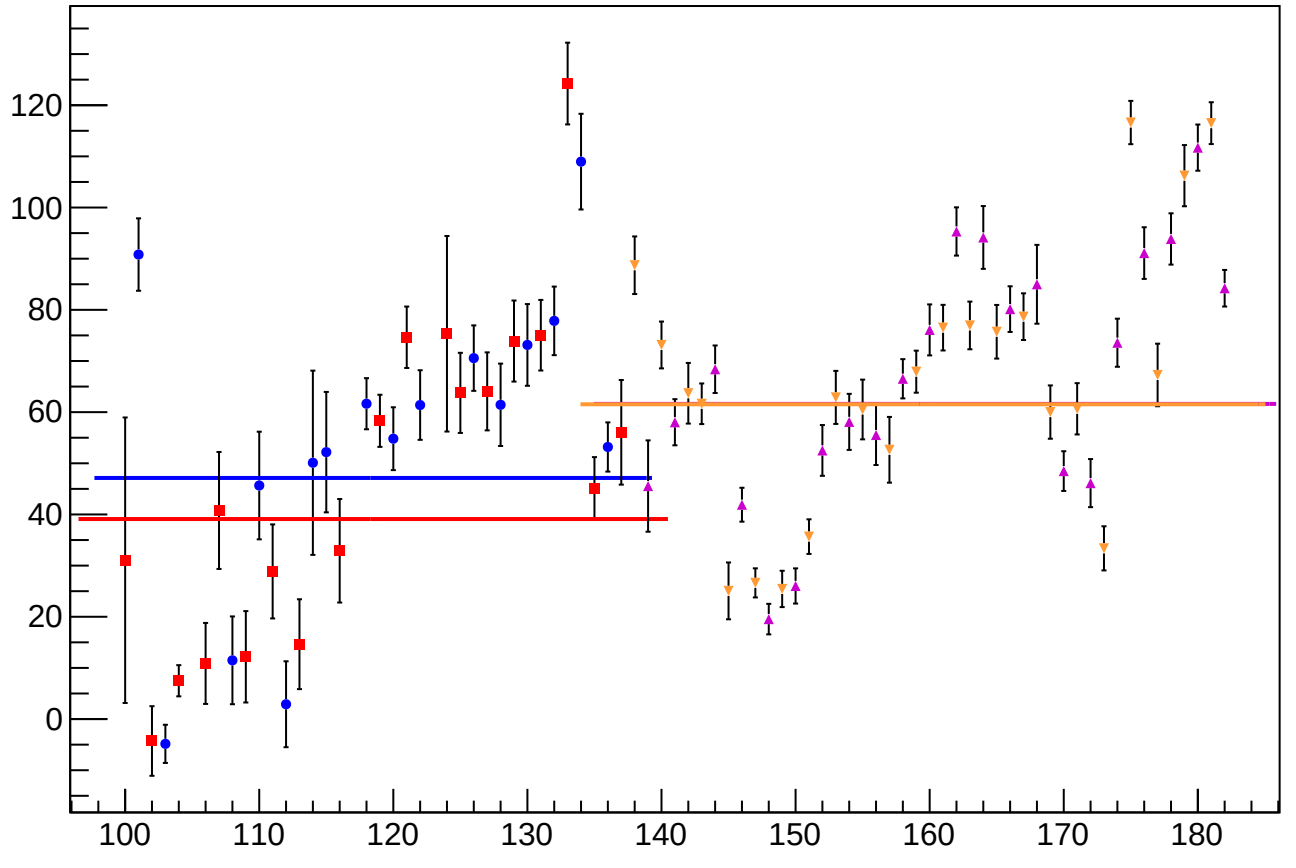
Left: 281.410+/-0.786 χ^2/NDF: 5774.4/44

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 268.684+/-0.873 χ^2/NDF:18653.4/37

Out: 264.644+/-0.876 χ^2/NDF:19025.7/41

All: 266.671+/-0.618 χ^2/NDF: 37689.7/79



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 61.539+/-0.943 χ^2/NDF:882.8/22

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 61.613+/-0.950 χ^2/NDF:734.9/21

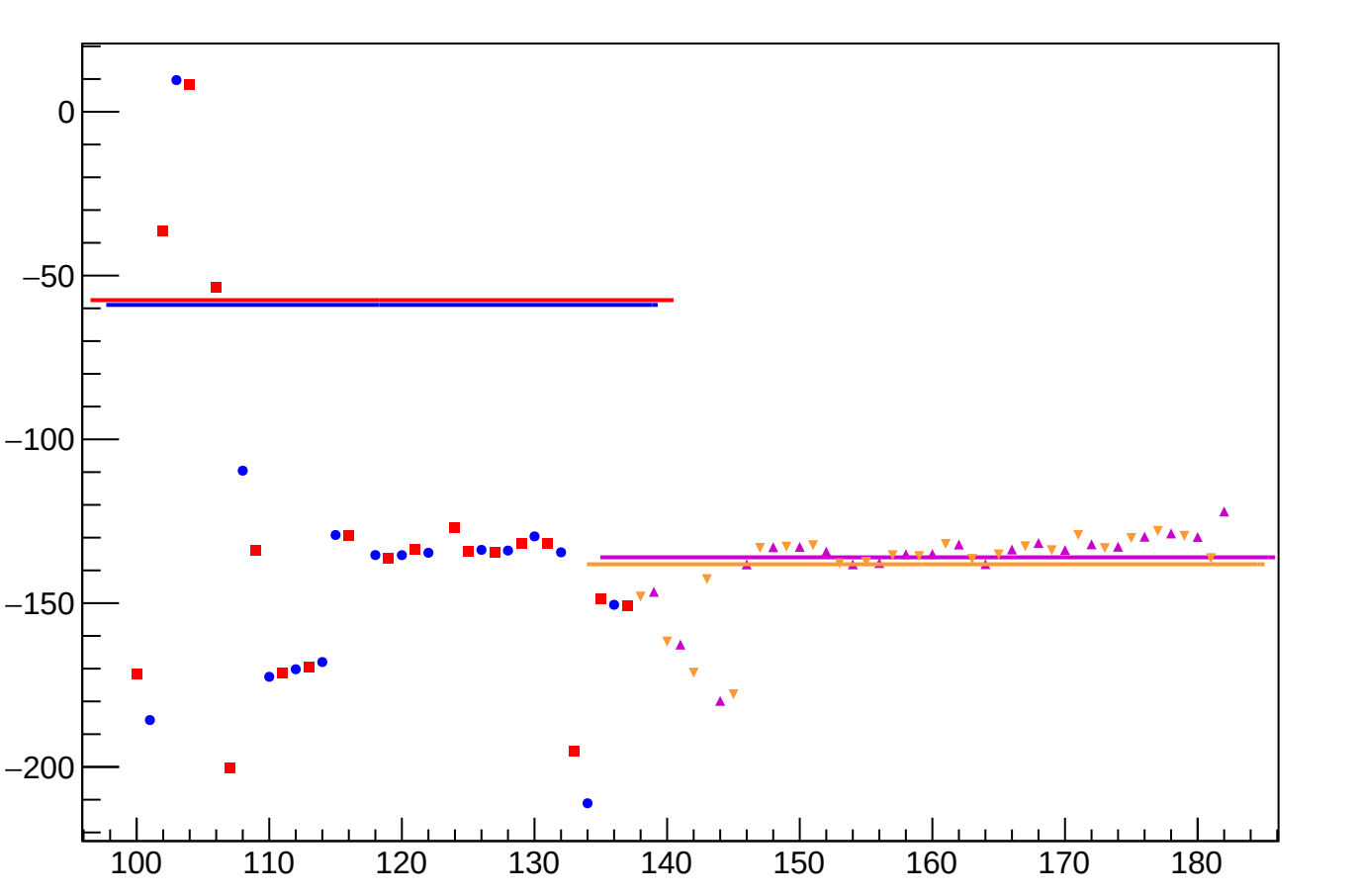
Left: 61.576+/-0.669 χ^2/NDF: 1617.8/44

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 58.068+/-0.825 χ^2/NDF:1177.2/37

Out: 55.735+/-0.812 χ^2/NDF:1445.8/41

All: 56.882+/-0.579 χ^2/NDF: 2627.0/79



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -138.132+/-0.044 χ^2/NDF:66939.8/22

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -136.017+/-0.043 χ^2/NDF:62157.9/21

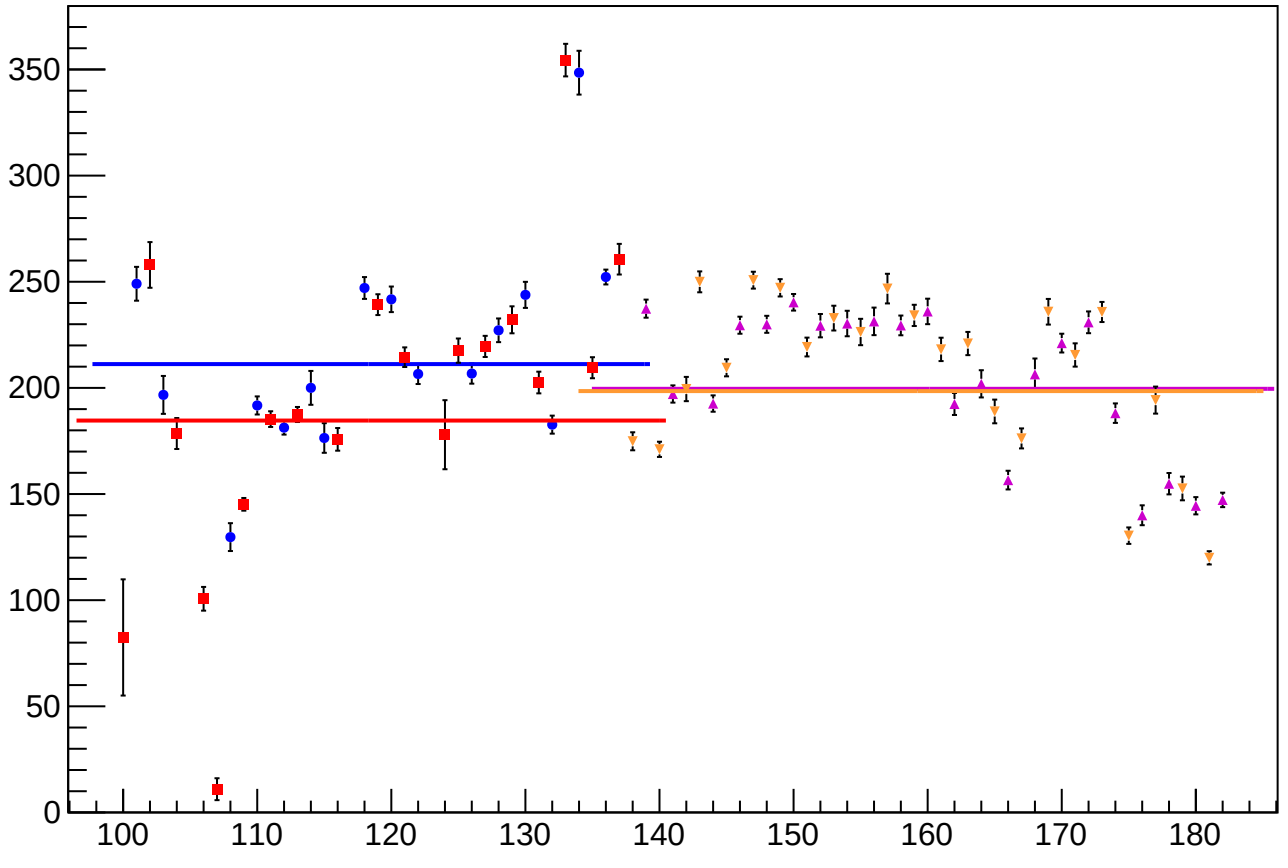
Left: -137.054+/-0.031 χ^2/NDF: 130263.0/44

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -115.754+/-0.037 χ^2/NDF:2119500.7/37

Out: -117.018+/-0.038 χ^2/NDF:1808544.4/41

All: -116.373+/-0.027 χ^2/NDF: 3928609.3/79



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 198.496+/-0.985 χ^2/NDF:1869.3/22

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 199.566+/-0.985 χ^2/NDF:1287.4/21

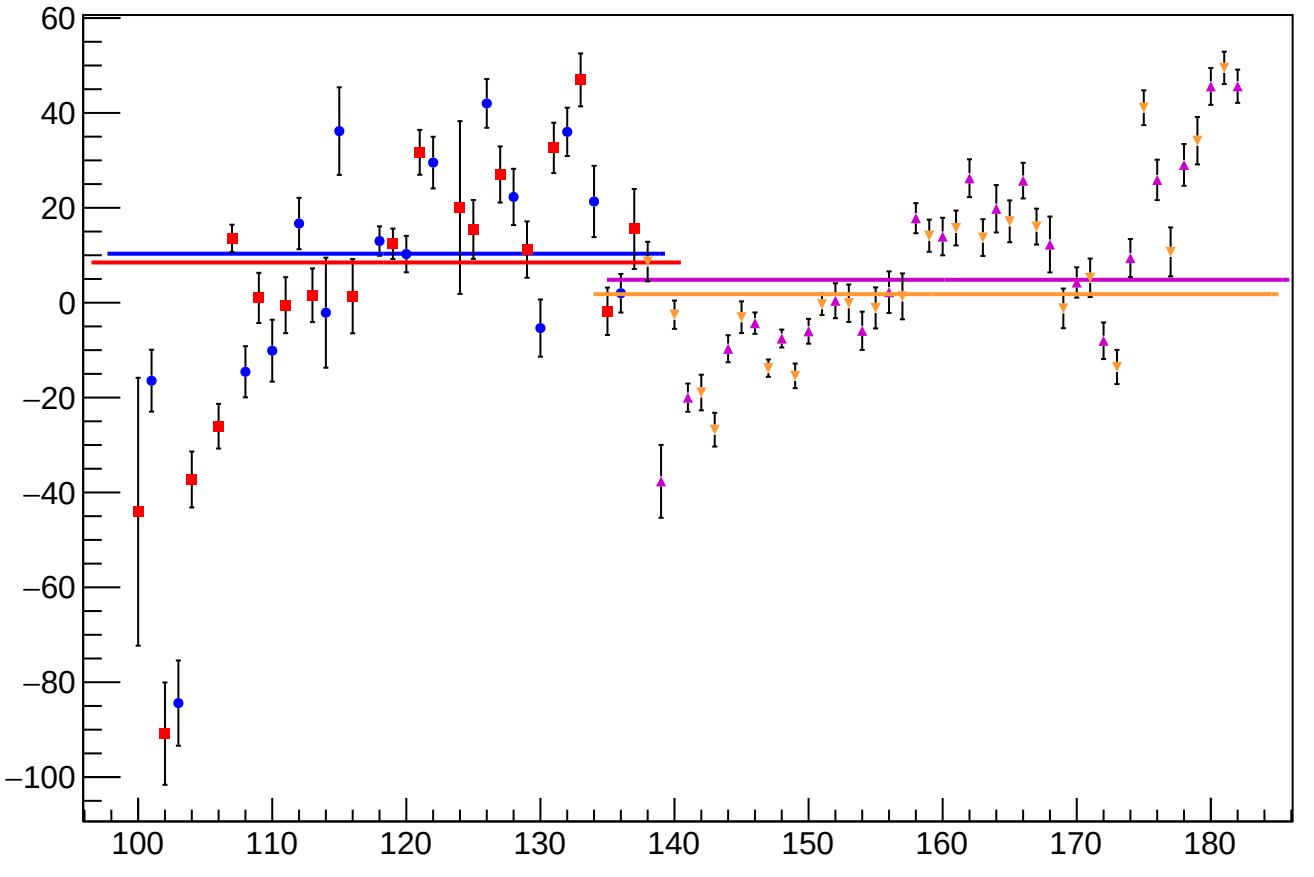
Left: 199.031+/-0.696 χ^2/NDF: 3157.3/44

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 203.829+/-0.784 χ^2/NDF:2121.5/37

Out: 192.875+/-0.760 χ^2/NDF:4490.1/41

All: 198.179+/-0.546 χ^2/NDF: 6712.4/79



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: 1.801+/-0.709 χ^2/NDF:658.6/22

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: 4.831+/-0.723 χ^2/NDF:617.3/21

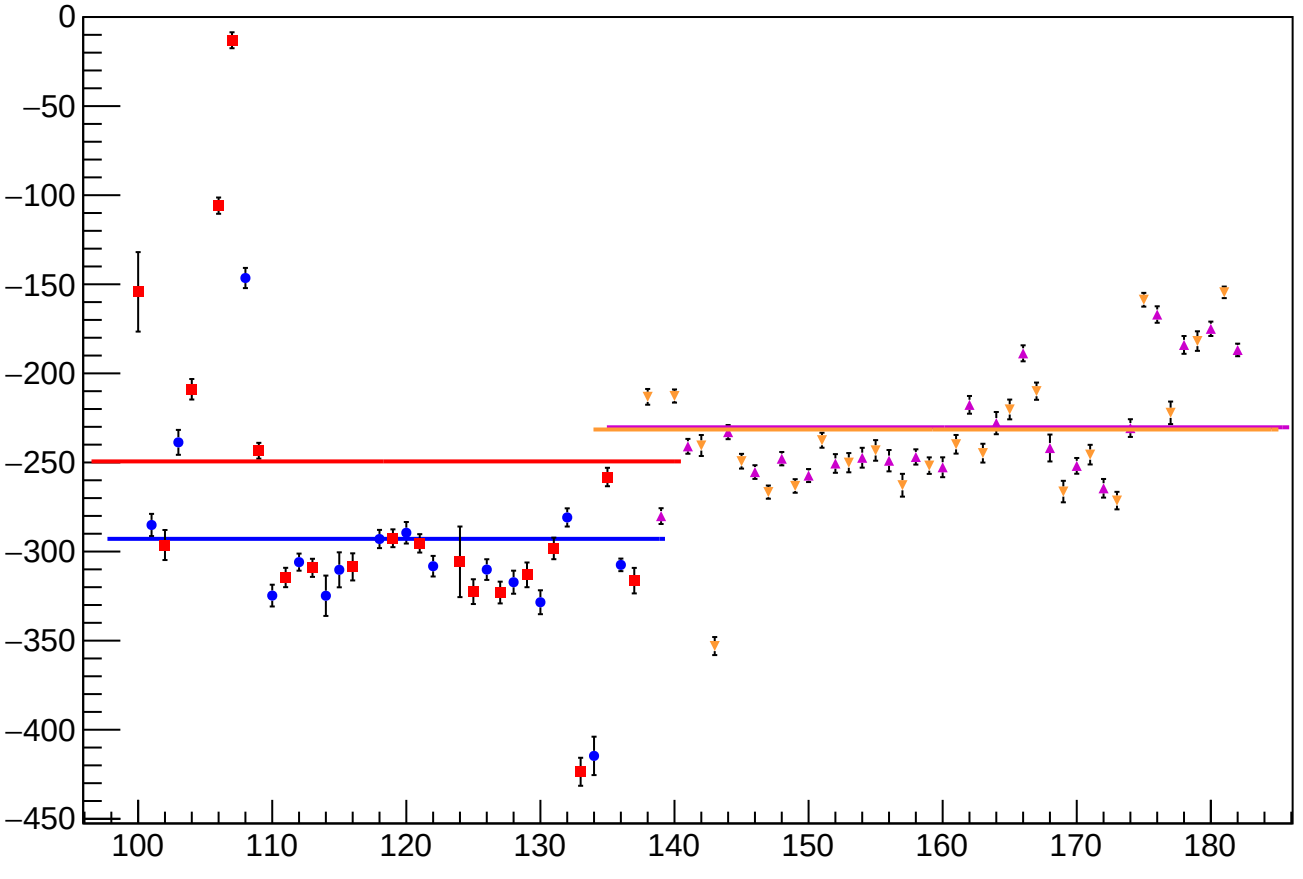
Left: 3.286+/-0.506 χ^2/NDF: 1284.9/44

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 6.082+/-0.636 χ^2/NDF:893.7/37

Out: 3.477+/-0.613 χ^2/NDF:1003.3/41

All: 4.733+/-0.441 χ^2/NDF: 1905.6/79



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -231.496+/-0.974 χ^2/NDF:2001.5/22

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -230.267+/-0.972 χ^2/NDF:1091.6/21

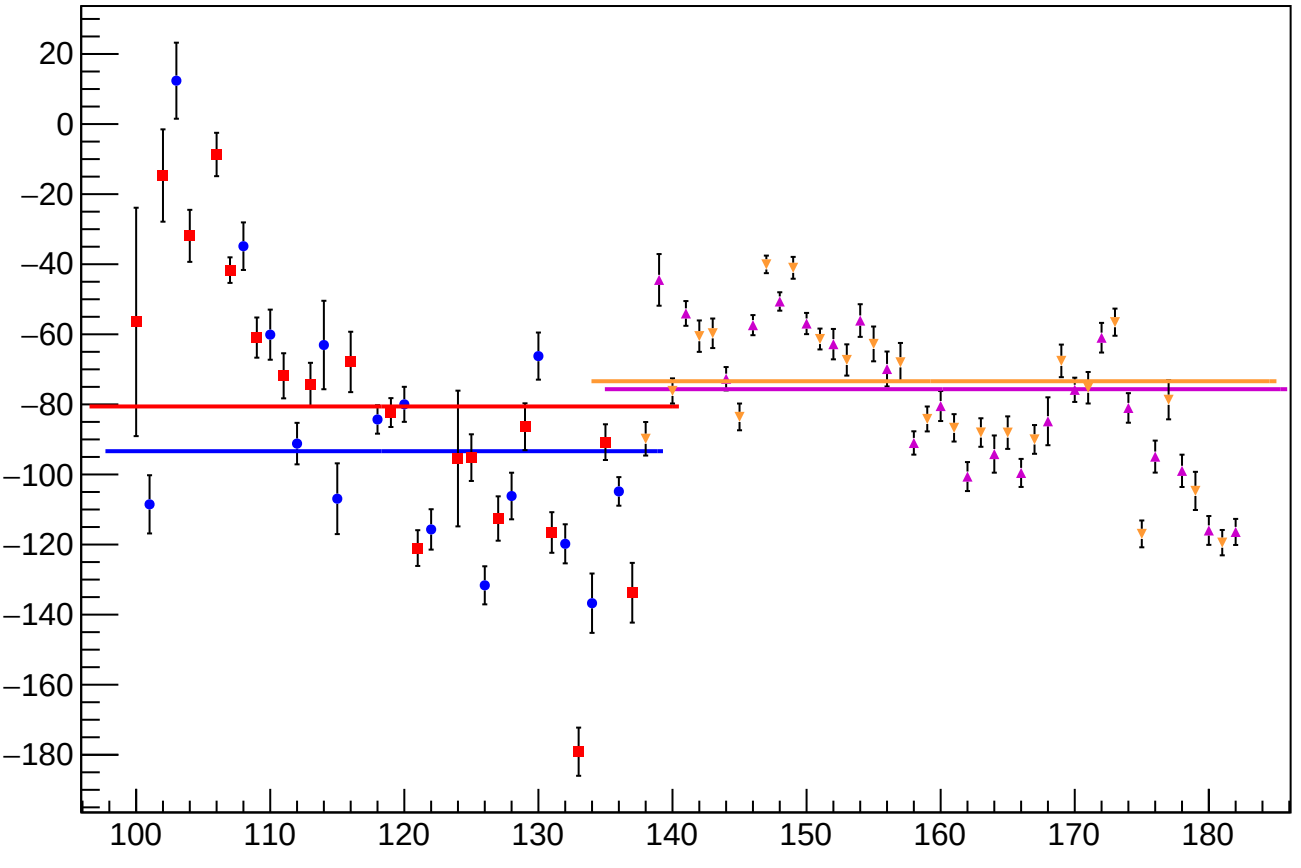
Left: -230.880+/-0.688 χ^2/NDF: 3093.9/44

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -249.352+/-0.810 χ^2/NDF:3340.3/37

Out: -237.517+/-0.794 χ^2/NDF:7483.6/41

All: -243.312+/-0.567 χ^2/NDF: 10932.8/79



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -73.392+/-0.823 χ^2/NDF:753.1/22

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -75.663+/-0.831 χ^2/NDF:634.9/21

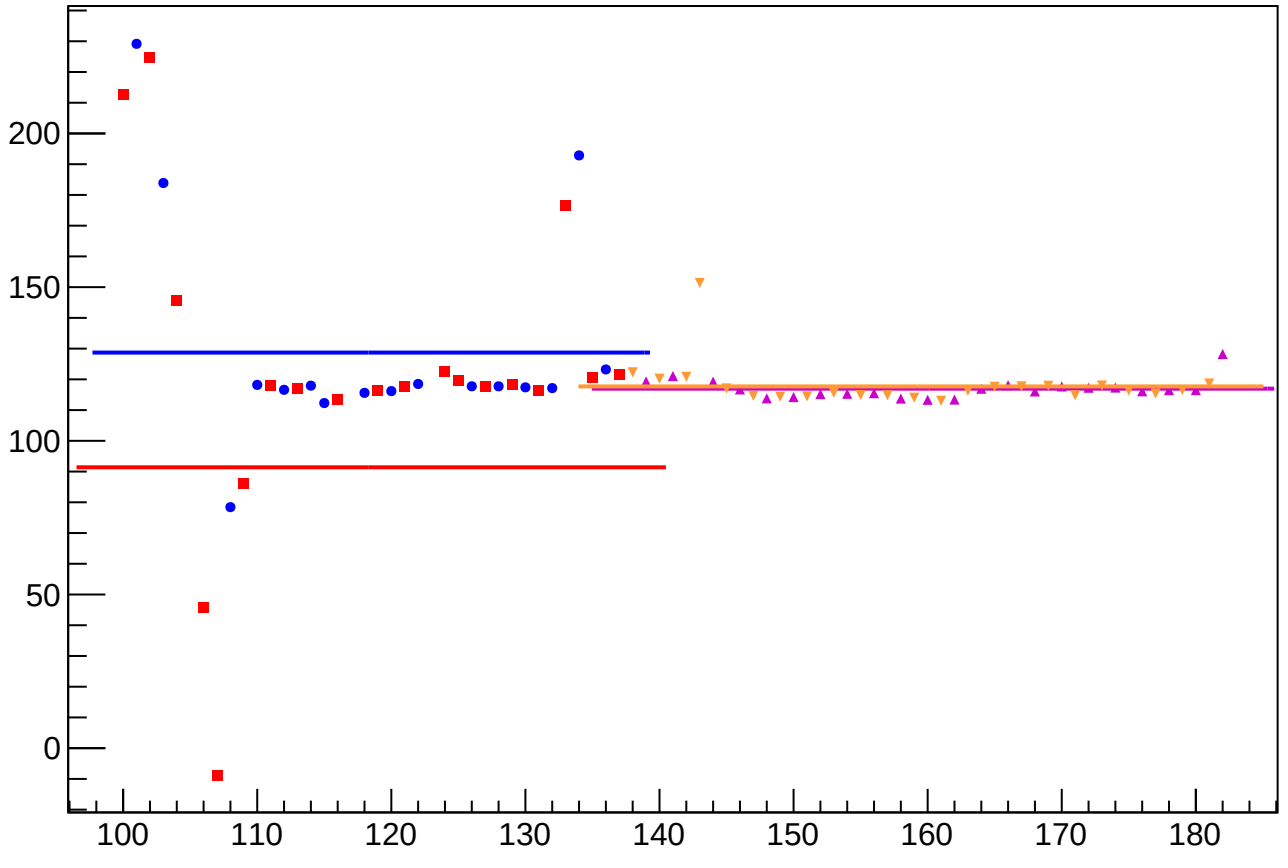
Left: -74.515+/-0.585 χ^2/NDF: 1391.7/44

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -79.678+/-0.731 χ^2/NDF:1093.0/37

Out: -75.193+/-0.712 χ^2/NDF:1487.6/41

All: -77.378+/-0.510 χ^2/NDF: 2599.9/79



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.700+/-0.038 χ^2/NDF:29902.1/22

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.972+/-0.038 χ^2/NDF:7874.7/21

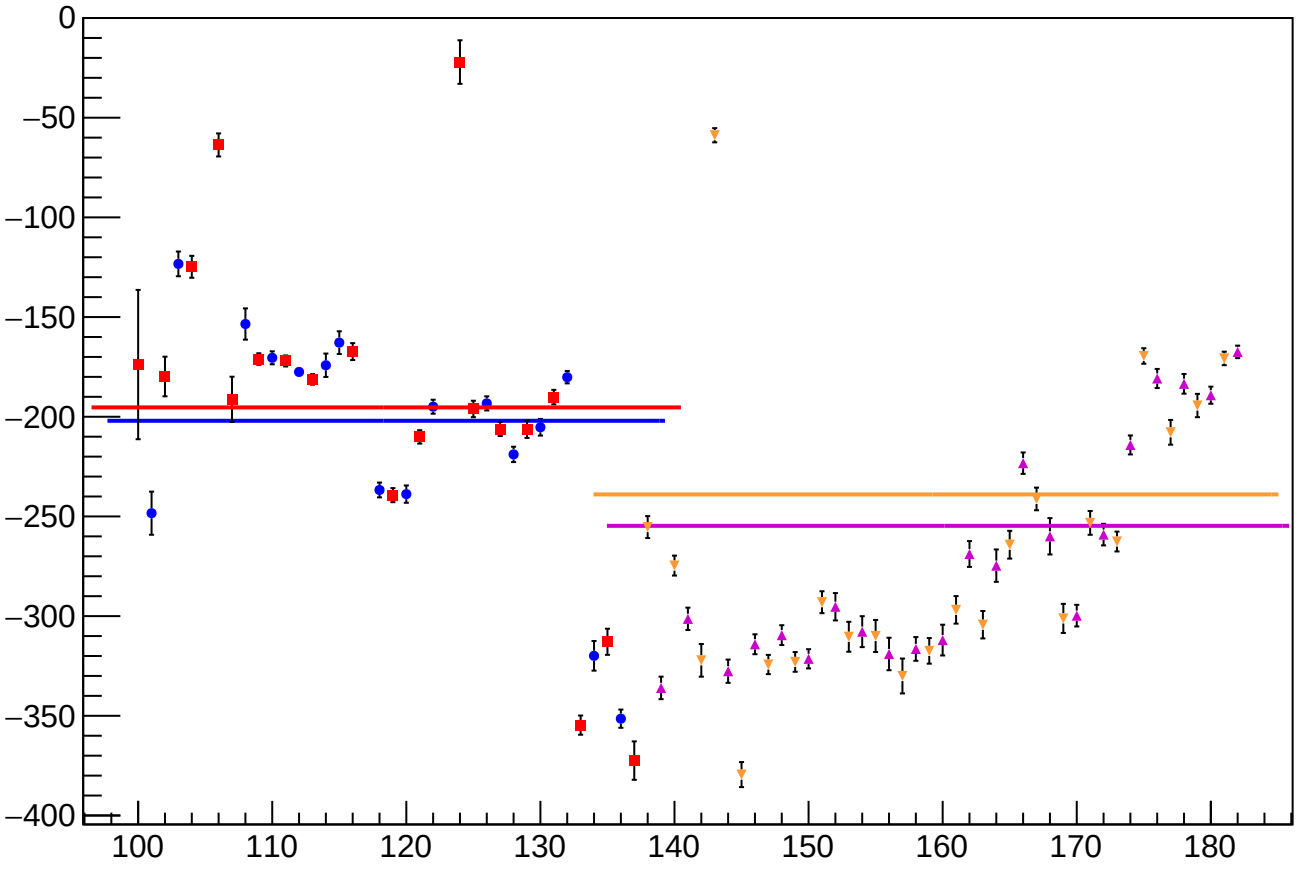
Left: 117.331+/-0.027 χ^2/NDF: 37958.3/44

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.775+/-0.035 χ^2/NDF:206088.6/37

Out: 112.657+/-0.035 χ^2/NDF:724371.9/41

All: 115.688+/-0.025 χ^2/NDF: 945943.0/79



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -238.955+/-1.141 χ^2/NDF:5430.7/22

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -254.708+/-1.153 χ^2/NDF:2836.1/21

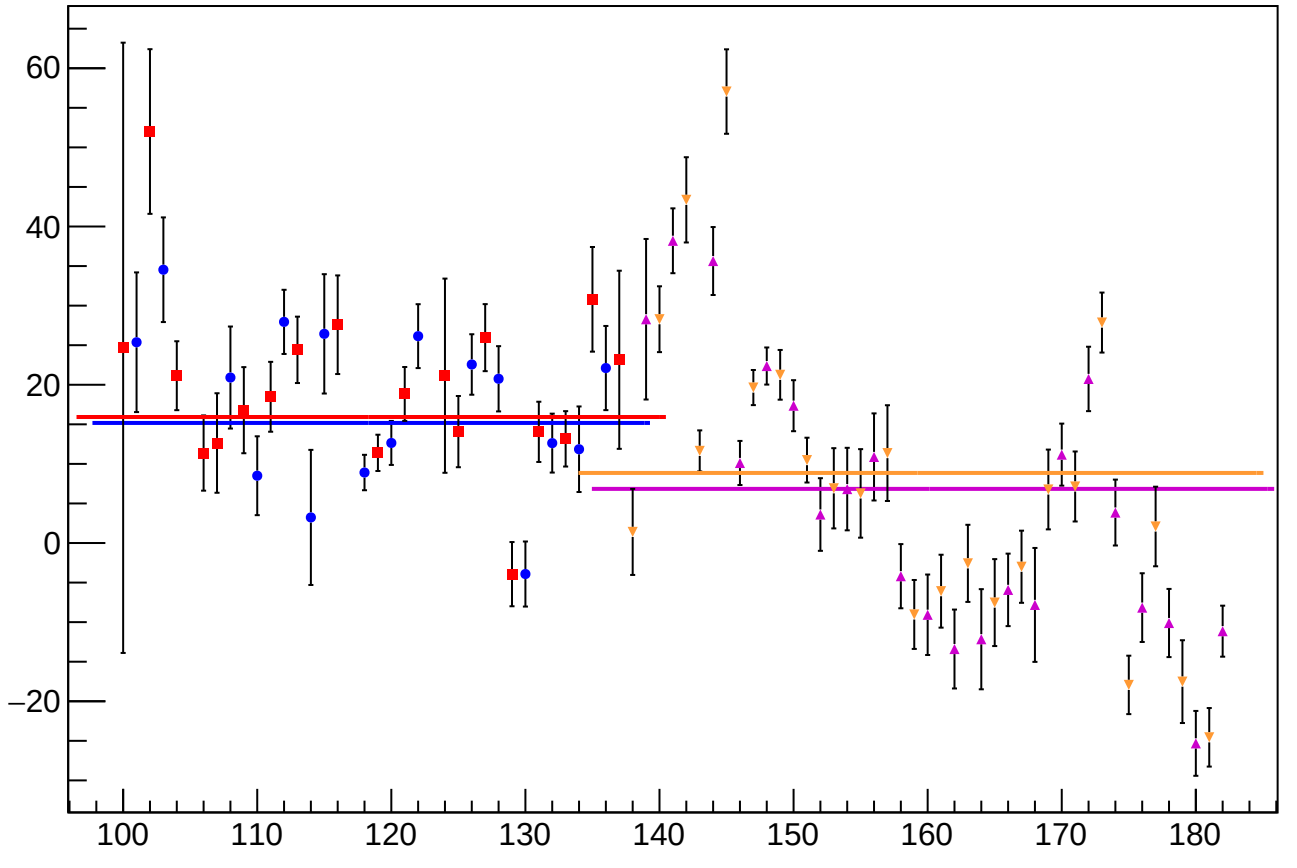
Left: -246.752+/-0.811 χ^2/NDF: 8361.1/44

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -225.264+/-0.766 χ^2/NDF:6044.2/37

Out: -213.710+/-0.741 χ^2/NDF:9377.7/41

All: -219.297+/-0.532 χ^2/NDF: 15539.5/79



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 8.856+/-0.833 χ^2/NDF:422.9/22

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 6.842+/-0.869 χ^2/NDF:352.9/21

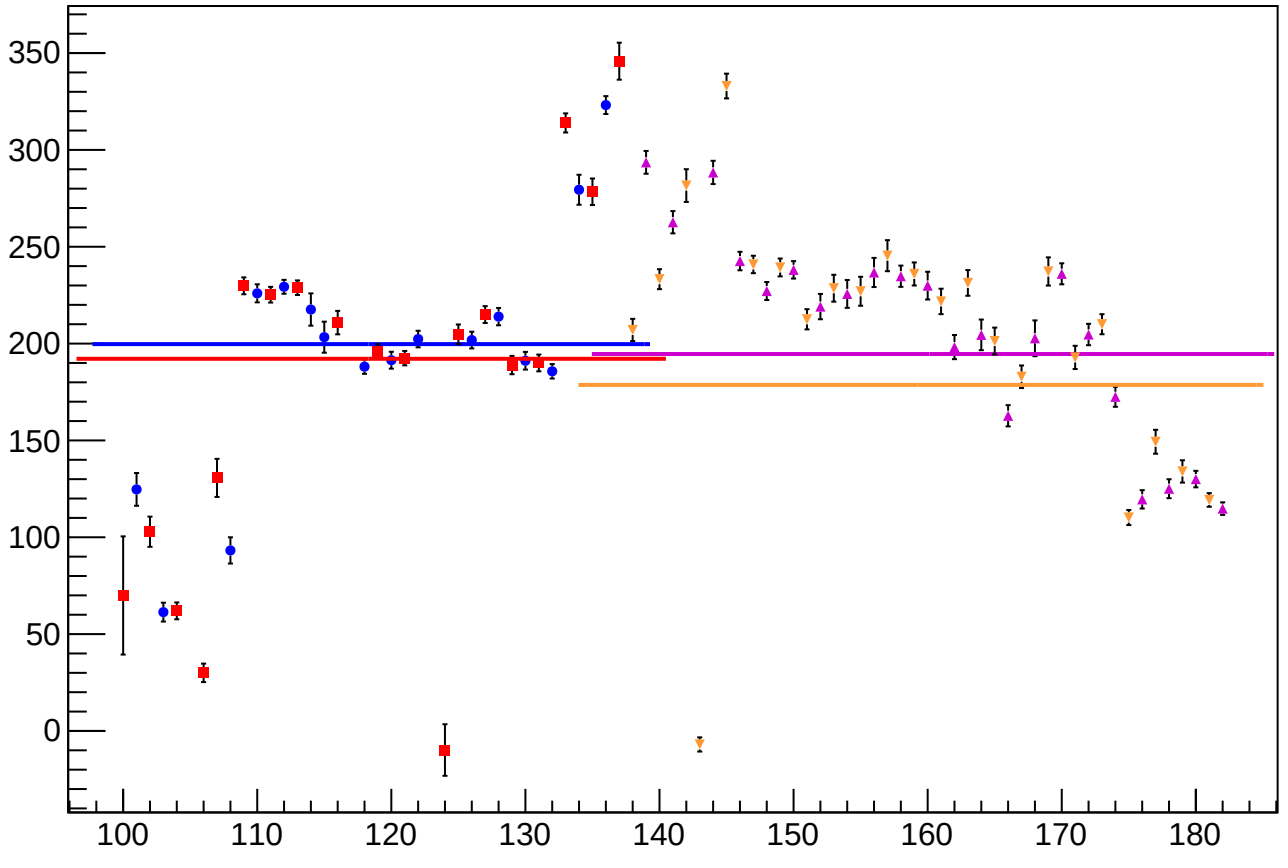
Left: 7.892+/-0.601 χ^2/NDF: 778.6/44

Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 10.237+/-0.669 χ^2/NDF:462.8/37

Out: 11.628+/-0.649 χ^2/NDF:514.7/41

All: 10.953+/-0.466 χ^2/NDF: 979.7/79



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 178.680+/-1.132 χ^2/NDF:5002.9/22

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 194.617+/-1.142 χ^2/NDF:2455.9/21

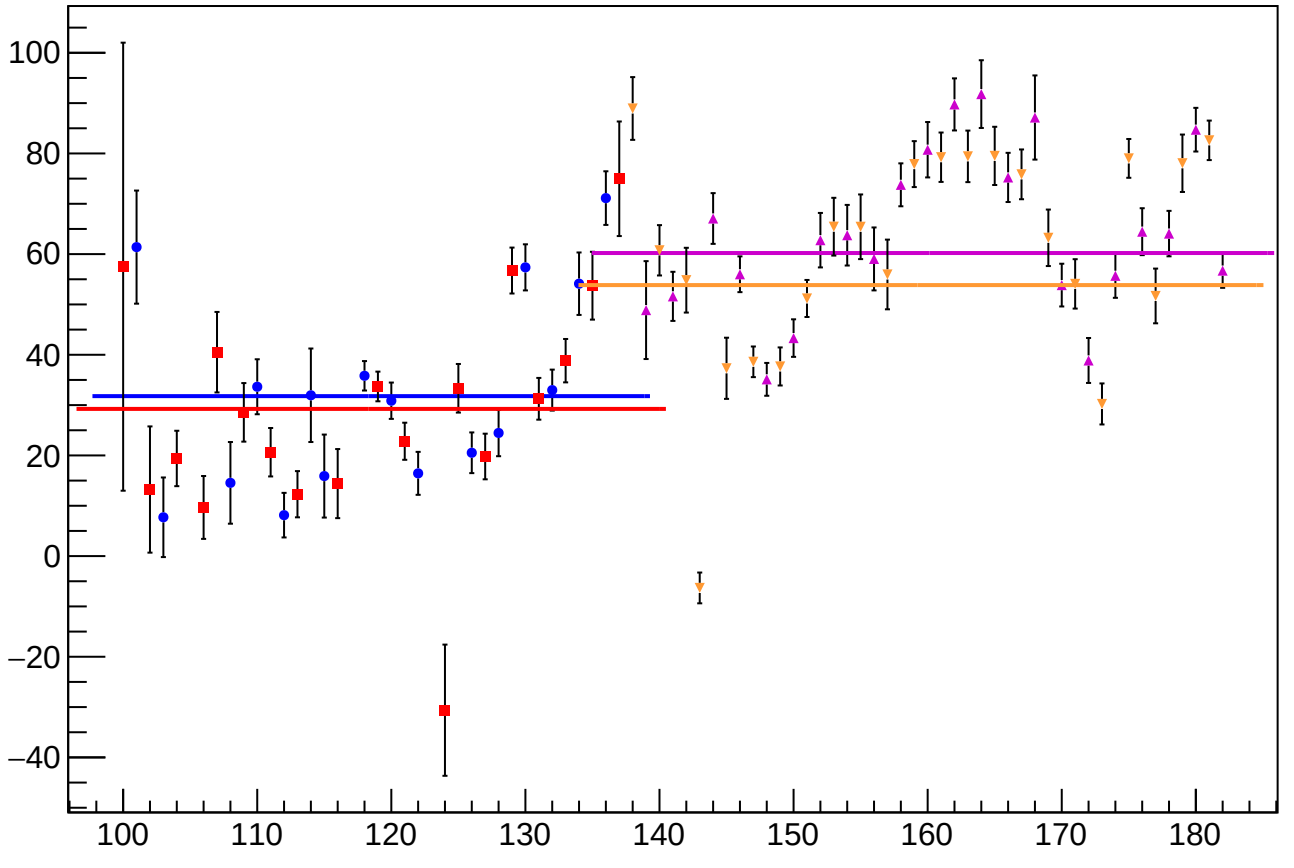
Left: 186.581+/-0.804 χ^2/NDF: 7557.0/44

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 197.052+/-0.826 χ^2/NDF:4567.0/37

Out: 185.310+/-0.807 χ^2/NDF:8849.7/41

All: 191.046+/-0.577 χ^2/NDF: 13520.2/79



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 53.845+/-0.962 χ^2/NDF:749.3/22

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 60.216+/-0.990 χ^2/NDF:247.1/21

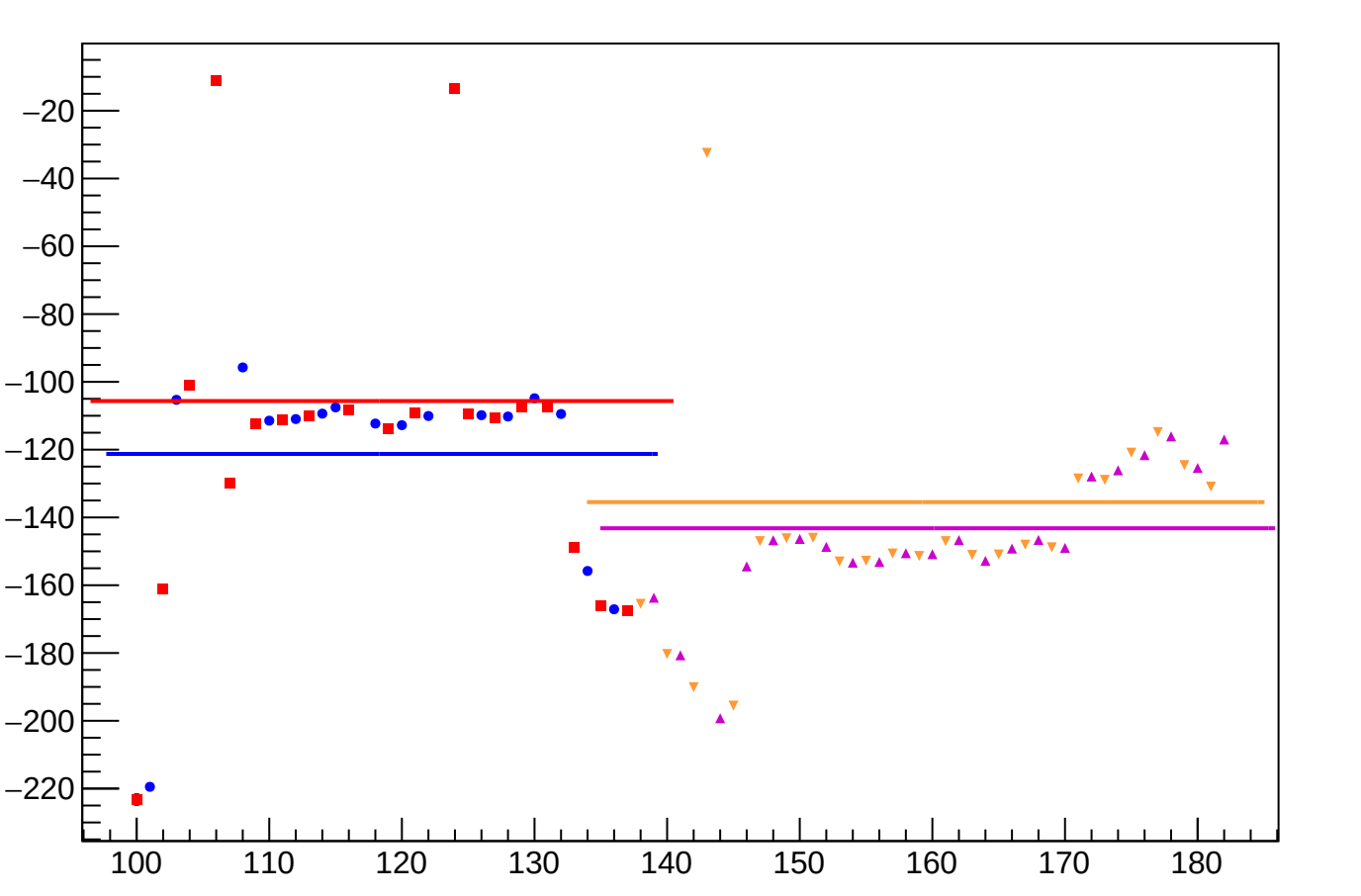
Left: 56.939+/-0.690 χ^2/NDF: 1017.7/44

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 48.882+/-0.768 χ^2/NDF:752.6/37

Out: 44.183+/-0.750 χ^2/NDF:1146.8/41

All: 46.476+/-0.537 χ^2/NDF: 1918.6/79



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -135.473+/-0.045 χ^2/NDF:660387.5/22

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -143.192+/-0.045 χ^2/NDF:171080.0/21

Left: -139.333+/-0.032 χ^2/NDF: 846112.2/44

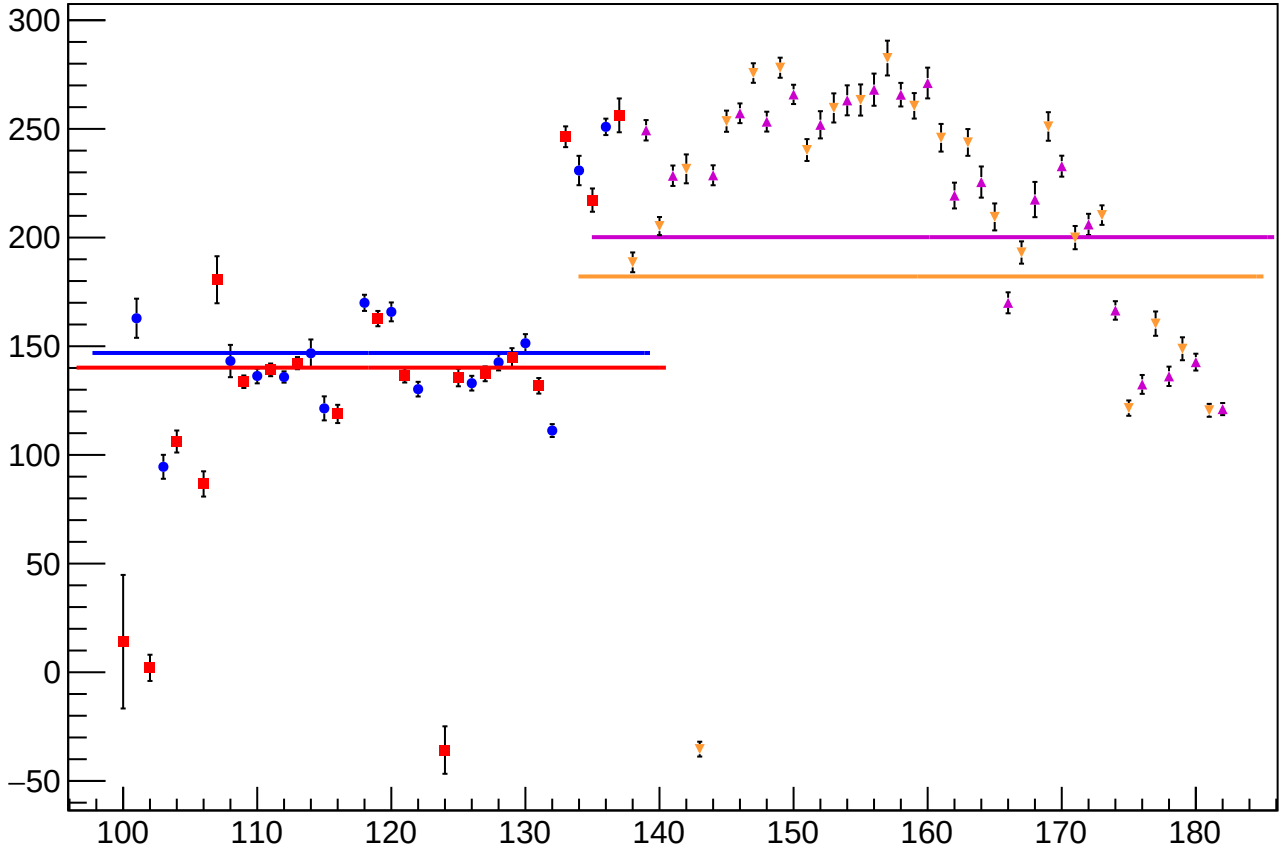
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -137.826+/-0.039 χ^2/NDF:348316.3/37

Out: -127.507+/-0.039 χ^2/NDF:1132189.2/41

All: -132.589+/-0.028 χ^2/NDF: 1515677.3/79

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 182.097+/-1.019 χ^2/NDF:7112.9/22

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 200.191+/-1.026 χ^2/NDF:2831.6/21

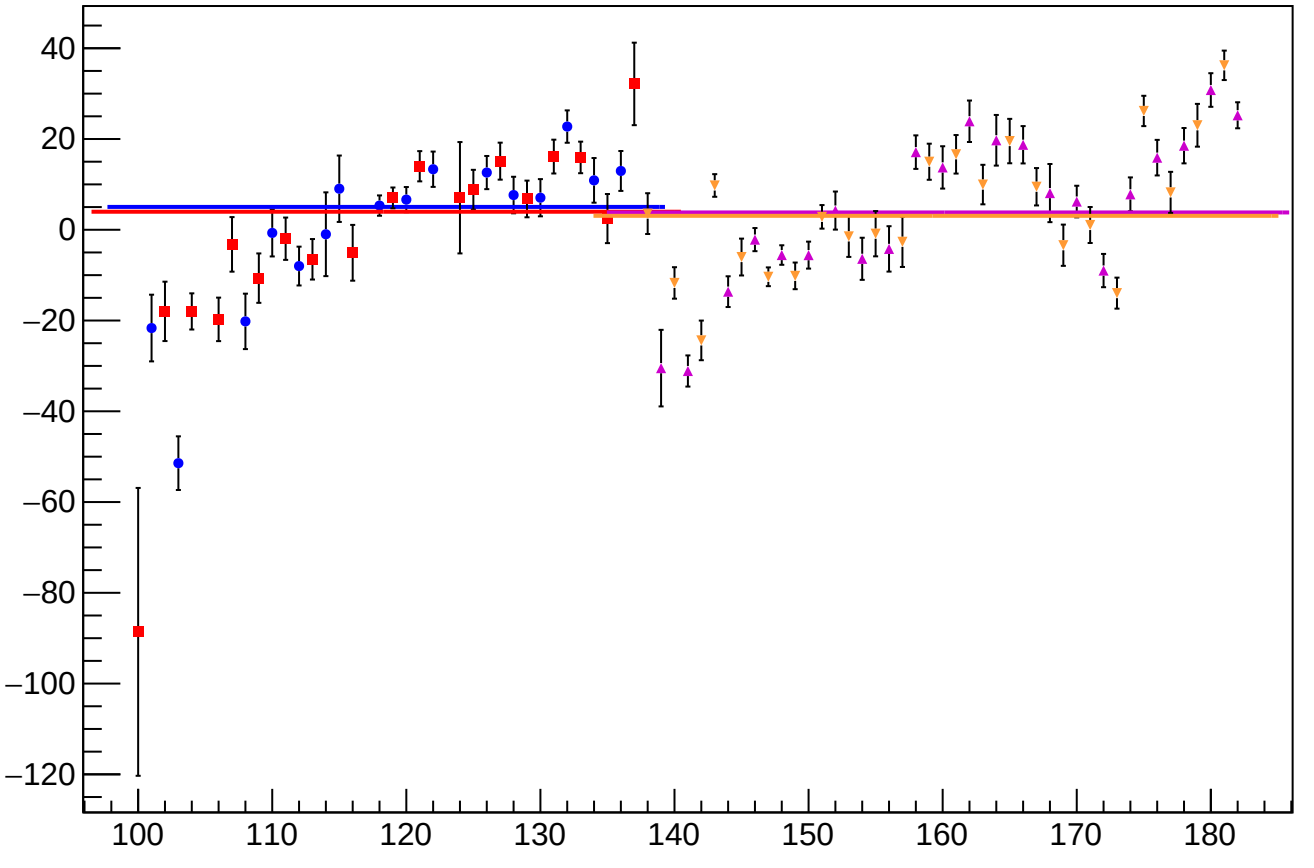
Left: 191.082+/-0.723 χ^2/NDF: 10100.9/44

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 172.945+/-0.717 χ^2/NDF:5512.0/37

Out: 159.870+/-0.699 χ^2/NDF:9960.7/41

All: 166.236+/-0.501 χ^2/NDF: 15643.2/79



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 3.074+/-0.751 χ^2/NDF:369.3/22

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: 3.816+/-0.779 χ^2/NDF:393.6/21

Left: 3.432+/-0.540 χ^2/NDF: 763.3/44

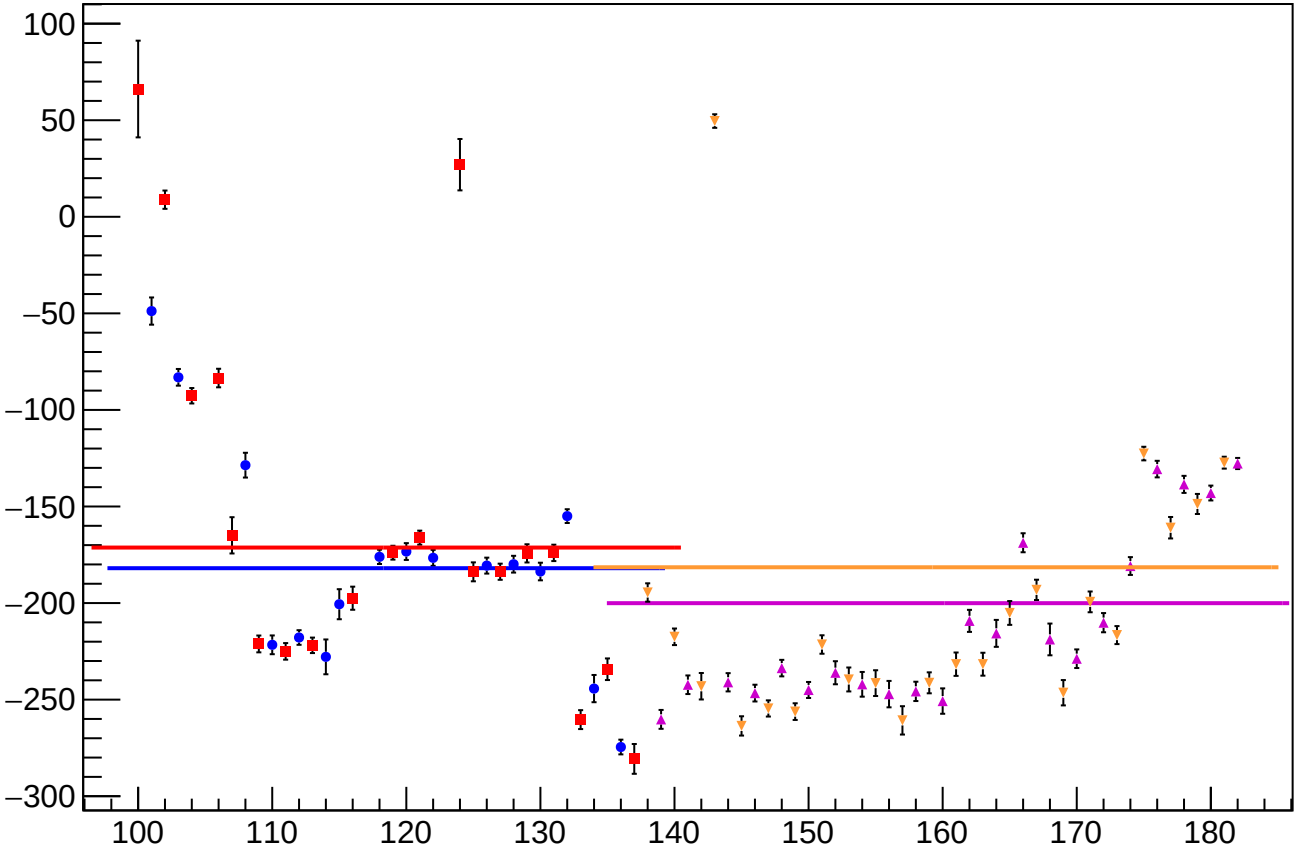
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 4.265+/-0.619 χ^2/NDF:566.3/37

Out: 3.394+/-0.603 χ^2/NDF:514.7/41

All: 3.818+/-0.432 χ^2/NDF: 1082.0/79

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: -181.470+/-1.013 χ^2/NDF:6794.4/22

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -200.055+/-1.019 χ^2/NDF:2282.3/21

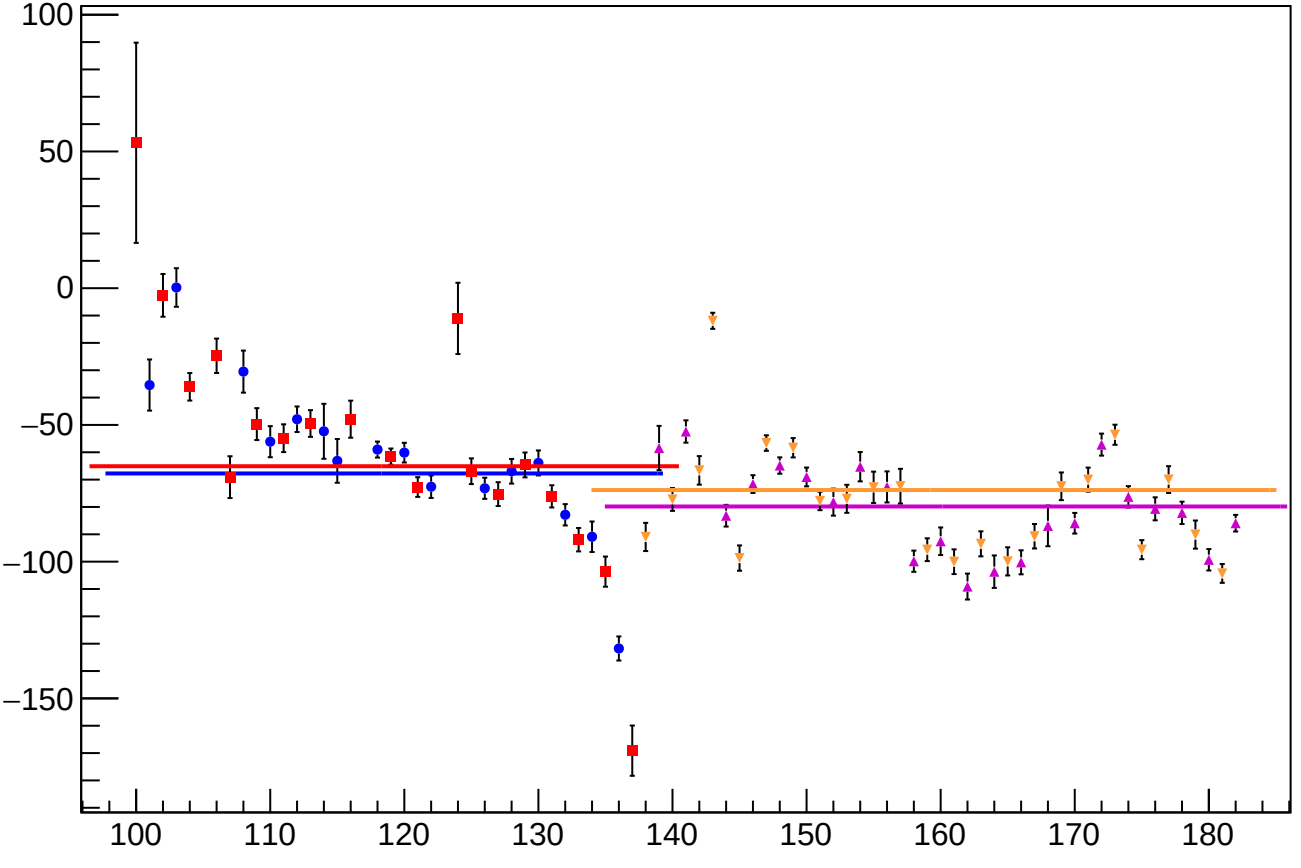
Left: -190.716+/-0.718 χ^2/NDF: 9244.1/44

Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -192.126+/-0.764 χ^2/NDF:4291.2/37

Out: -176.834+/-0.749 χ^2/NDF:10468.7/41

All: -184.330+/-0.535 χ^2/NDF: 14964.3/79



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -73.810+/-0.866 χ^2/NDF:822.4/22

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -79.827+/-0.887 χ^2/NDF:277.0/21

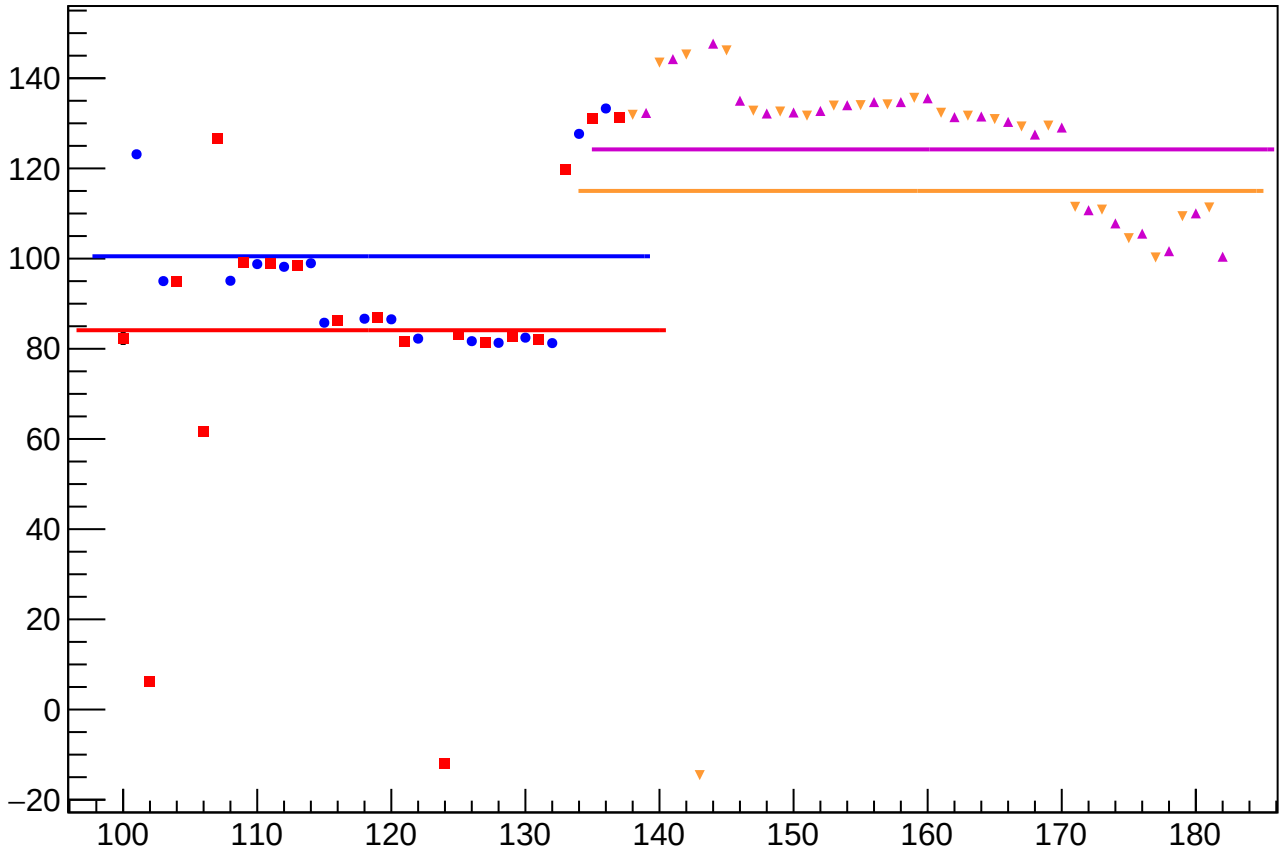
Left: -76.747+/-0.620 χ^2/NDF: 1123.0/44

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -75.471+/-0.709 χ^2/NDF:757.9/37

Out: -70.717+/-0.695 χ^2/NDF:1287.4/41

All: -73.048+/-0.496 χ^2/NDF: 2068.2/79



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 115.010+/-0.040 χ^2/NDF:952340.2/22

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 124.217+/-0.040 χ^2/NDF:125553.2/21

Left: 119.632+/-0.029 χ^2/NDF: 1103946.8/44

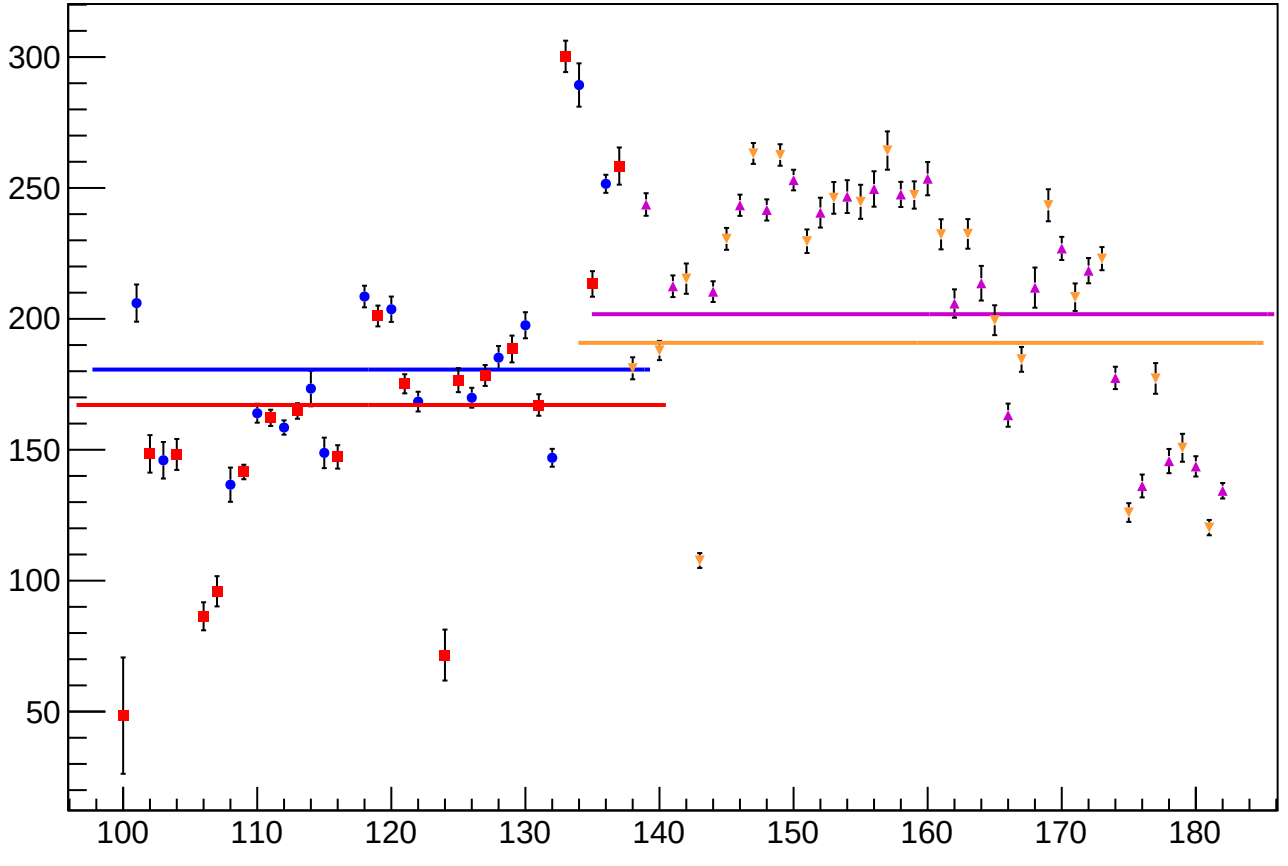
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 118.801+/-0.035 χ^2/NDF:272229.0/37

Out: 107.154+/-0.035 χ^2/NDF:1364729.9/41

All: 112.902+/-0.025 χ^2/NDF: 1691925.7/79

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: 190.845+/-0.941 χ^2/NDF:3267.9/22

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 201.783+/-0.970 χ^2/NDF:2056.7/21

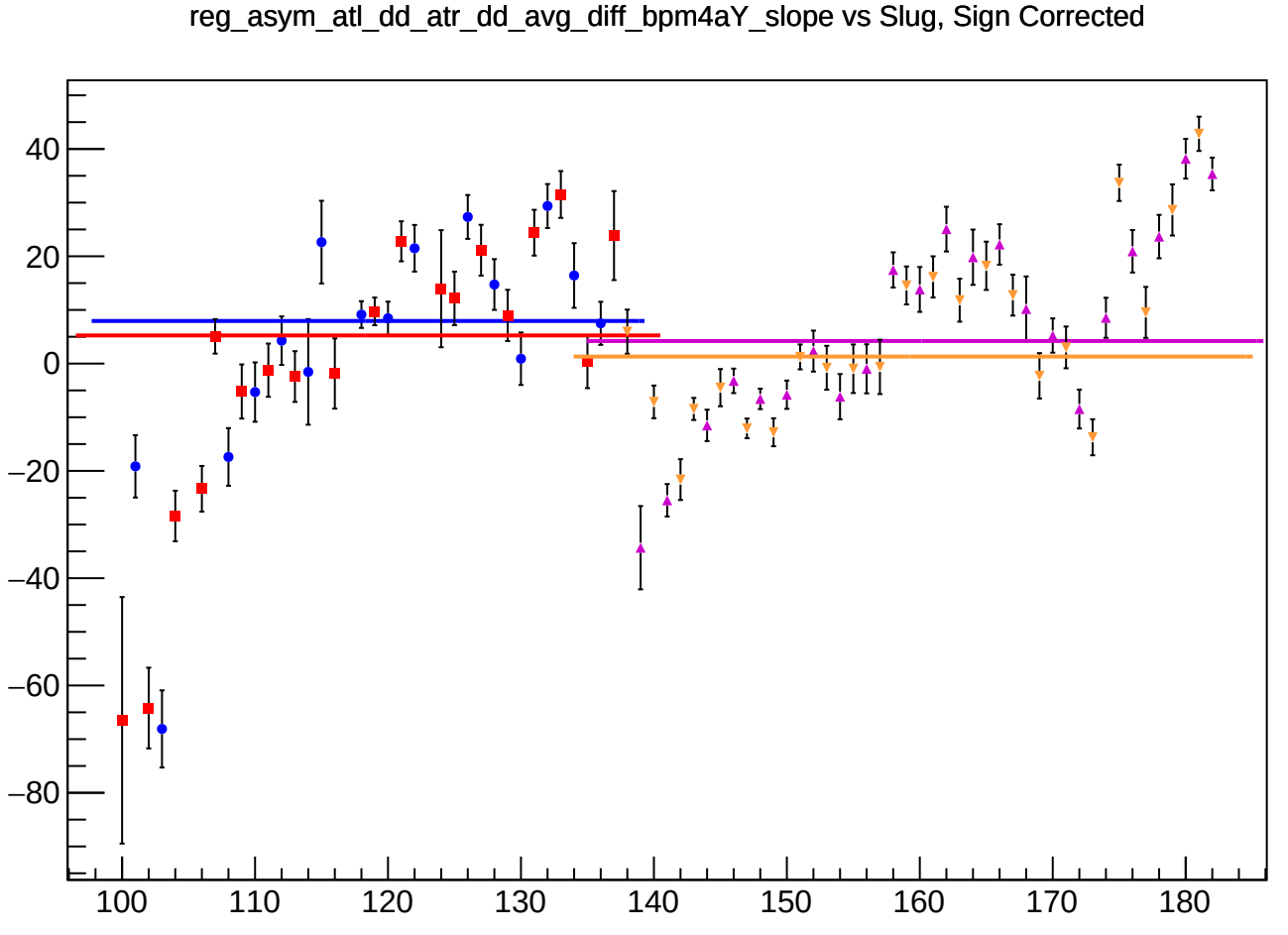
Left: 196.147+/-0.675 χ^2/NDF: 5390.1/44

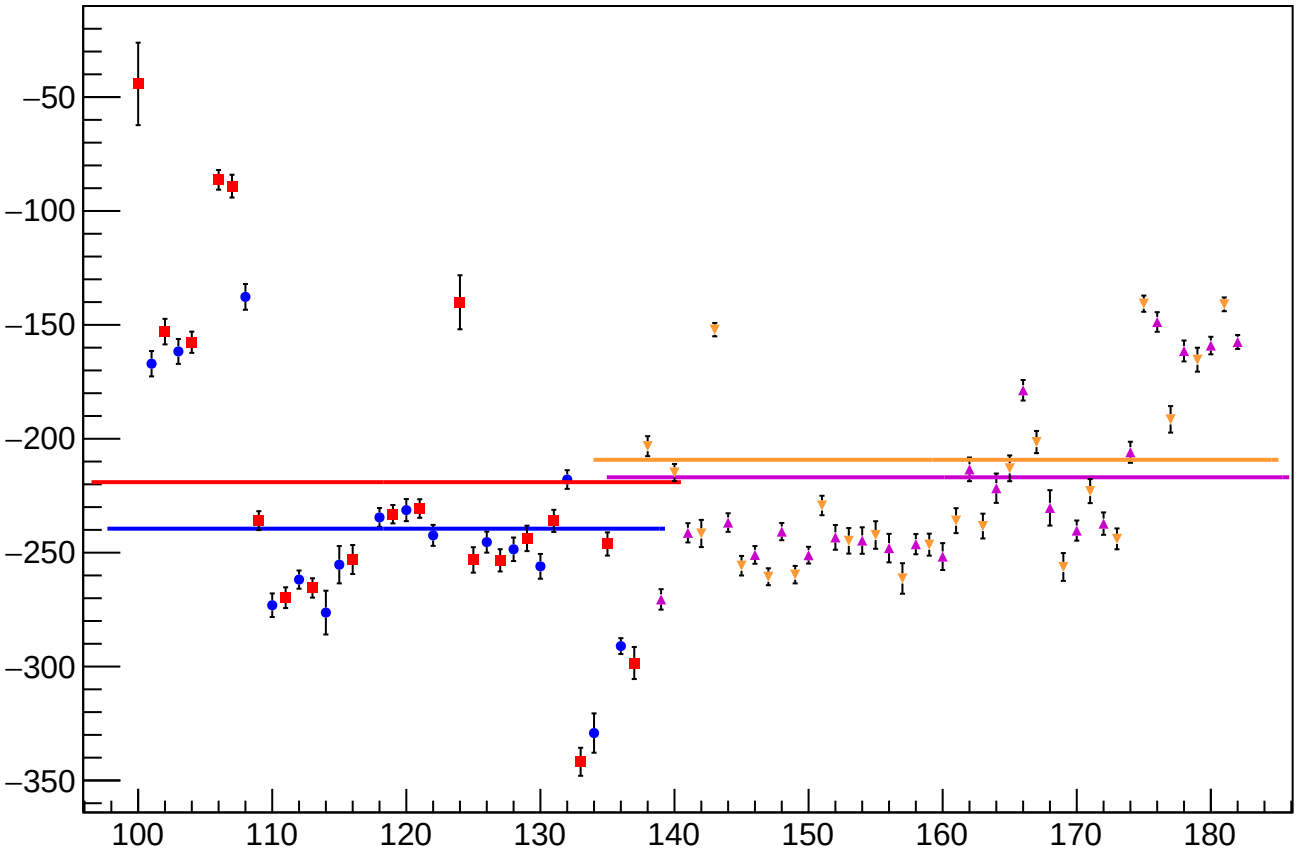
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 192.432+/-0.725 χ^2/NDF:3260.2/37

Out: 179.937+/-0.692 χ^2/NDF:5044.9/41

All: 185.896+/-0.500 χ^2/NDF: 8460.7/79


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
170
180
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: 1.308+/-0.683 χ²/NDF:530.4/22
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: 4.210+/-0.721 χ²/NDF:537.9/21
Left: 2.680+/-0.496 χ²/NDF: 1076.9/44
Right: 6.530+/-0.768 χ²/NDF: 538.9/34
In: 5.313+/-0.605 χ²/NDF:778.8/37
Out: 2.459+/-0.574 χ²/NDF:843.0/41
All: 3.811+/-0.417 χ²/NDF: 1633.5/79



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -209.237+/-0.935 χ^2/NDF:2240.8/22

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -216.907+/-0.960 χ^2/NDF:1676.1/21

Left: -212.971+/-0.670 χ^2/NDF: 3949.7/44

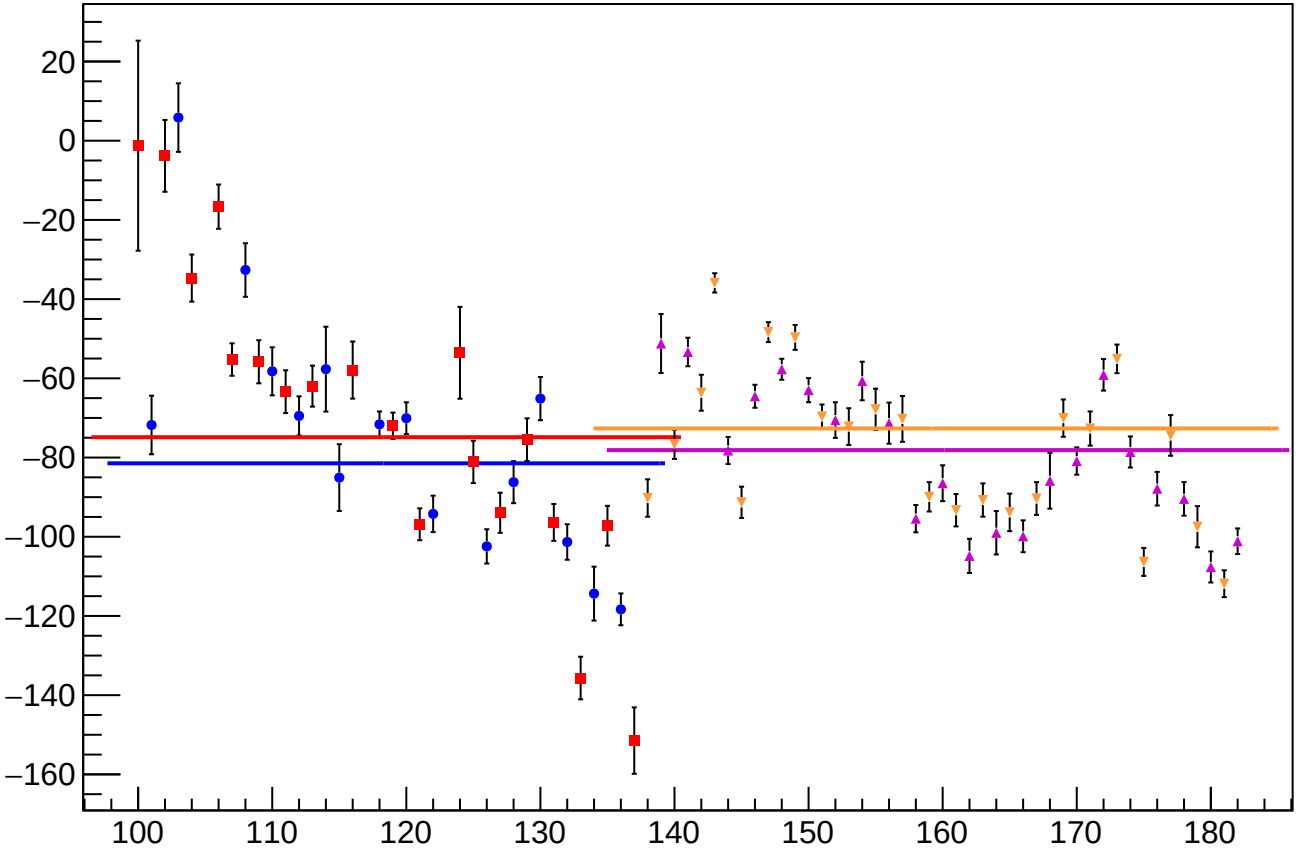
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -225.315+/-0.760 χ^2/NDF:3044.2/37

Out: -213.037+/-0.732 χ^2/NDF:5332.8/41

All: -218.942+/-0.527 χ^2/NDF: 8512.3/79

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -72.653+/-0.792 χ^2/NDF:793.9/22

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -78.123+/-0.827 χ^2/NDF:440.4/21

Left: -75.272+/-0.572 χ^2/NDF: 1257.2/44

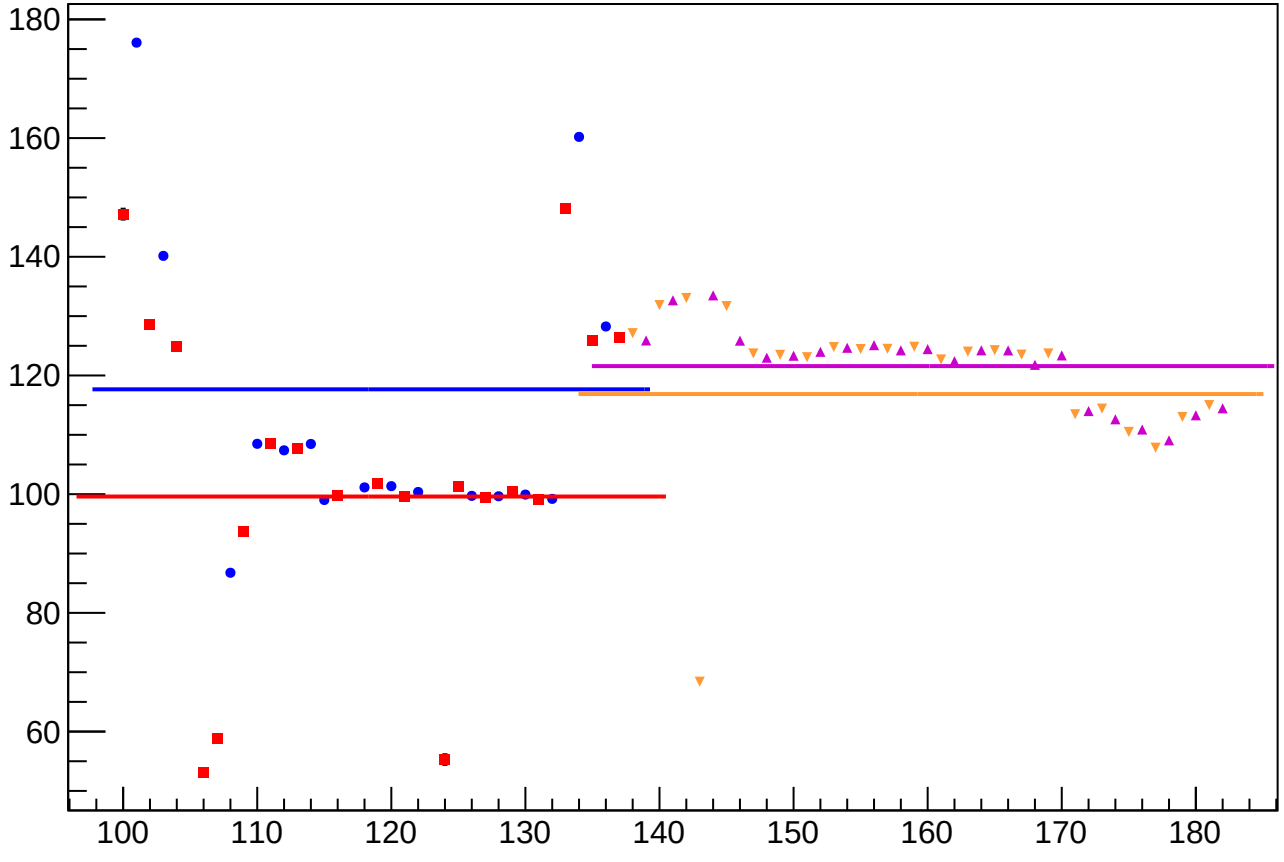
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -79.098+/-0.695 χ^2/NDF:811.7/37

Out: -73.300+/-0.666 χ^2/NDF:1372.8/41

All: -76.074+/-0.481 χ^2/NDF: 2220.7/79

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: 116.871+/-0.037 χ^2/NDF:203486.8/22

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 121.580+/-0.038 χ^2/NDF:28348.2/21

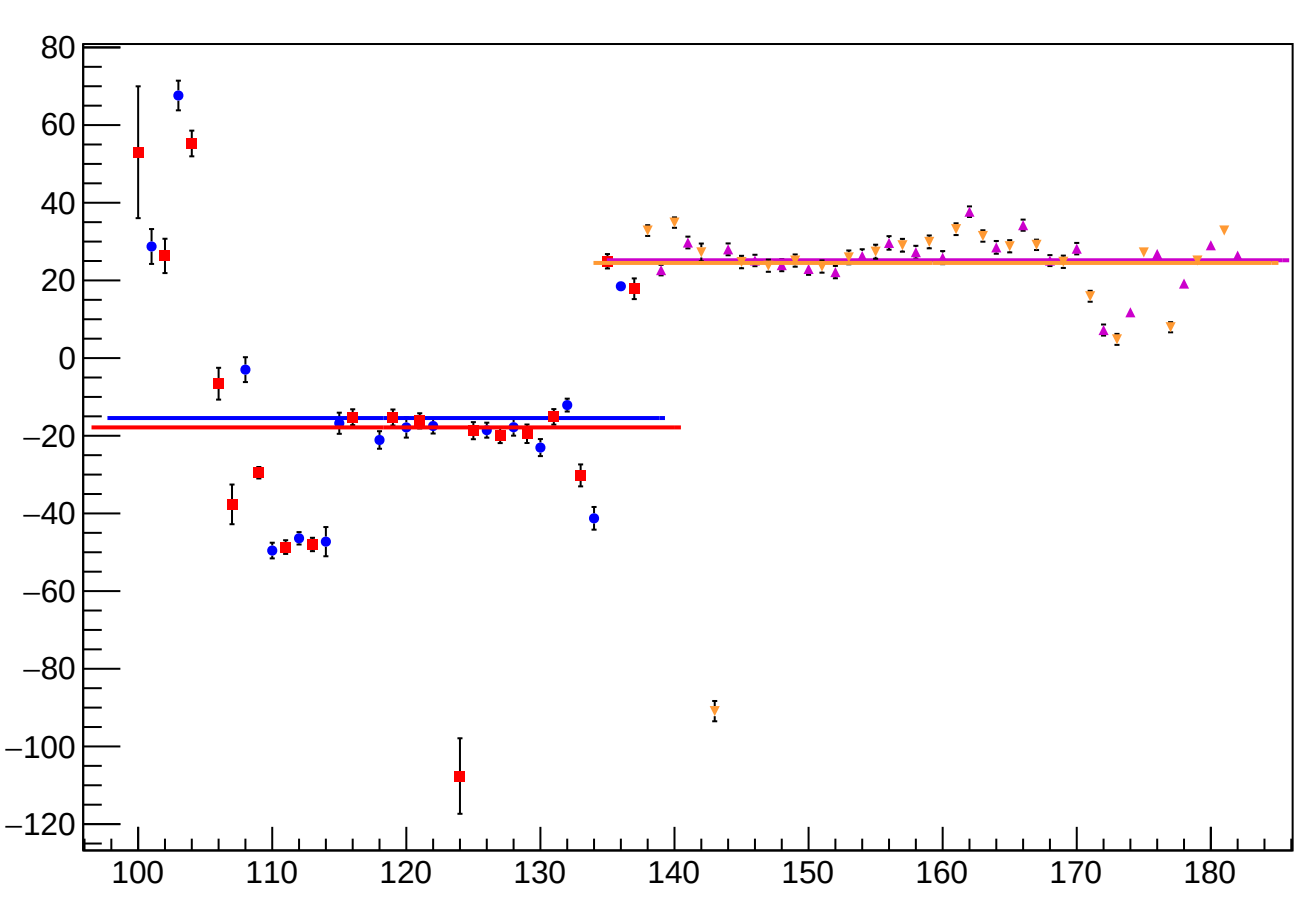
Left: 119.195+/-0.027 χ^2/NDF: 239723.8/44

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 120.842+/-0.034 χ^2/NDF:125775.4/37

Out: 113.086+/-0.033 χ^2/NDF:416818.9/41

All: 116.839+/-0.024 χ^2/NDF: 569466.3/79



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.502+/-0.297 χ^2/NDF:2634.5/22

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.190+/-0.291 χ^2/NDF:491.0/21

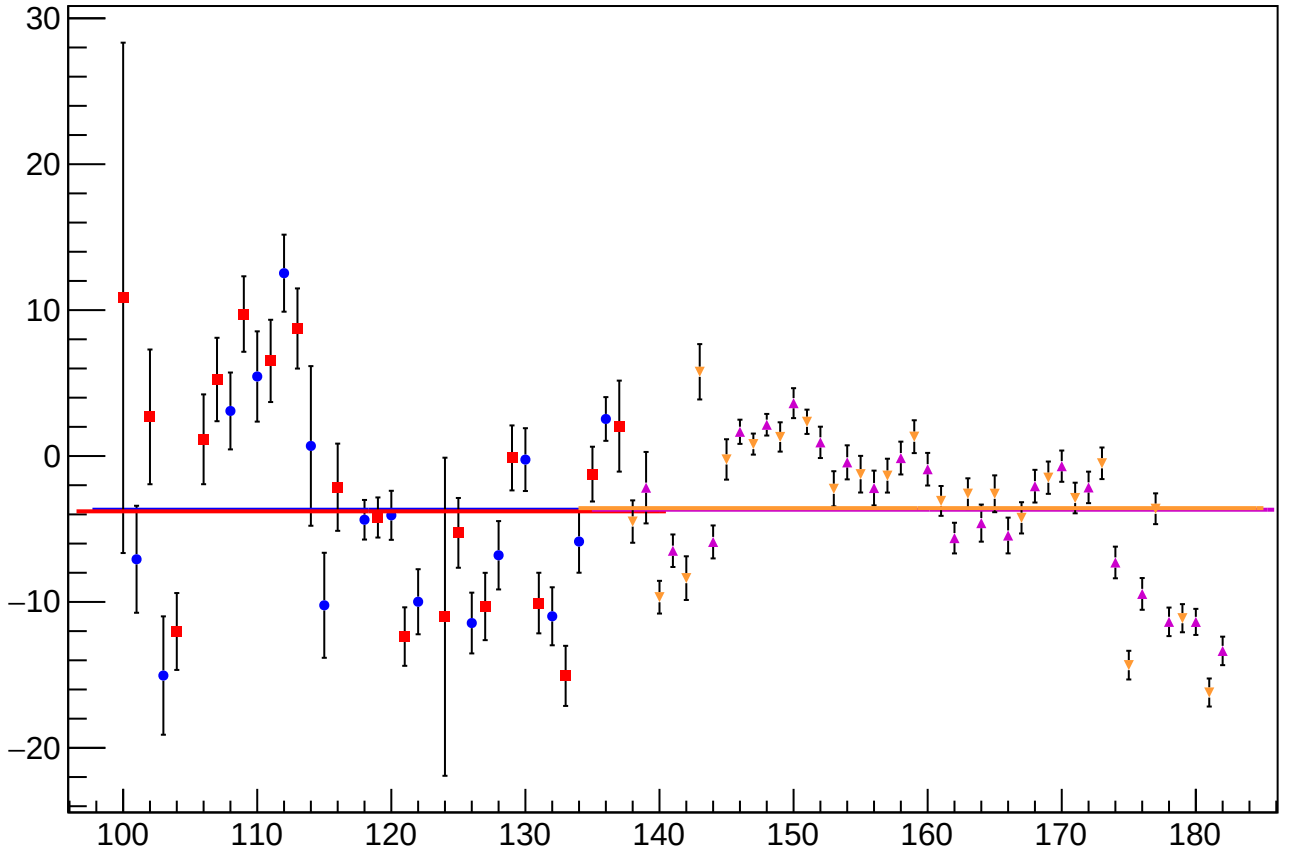
Left: 24.853+/-0.208 χ^2/NDF: 3128.3/44

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 16.005+/-0.256 χ^2/NDF:7011.7/37

Out: 14.354+/-0.259 χ^2/NDF:9621.4/41

All: 15.189+/-0.182 χ^2/NDF: 16653.6/79



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -3.571+/-0.225 χ^2/NDF:576.8/22

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -3.680+/-0.226 χ^2/NDF:499.3/21

Left: -3.625+/-0.159 χ^2/NDF: 1076.1/44

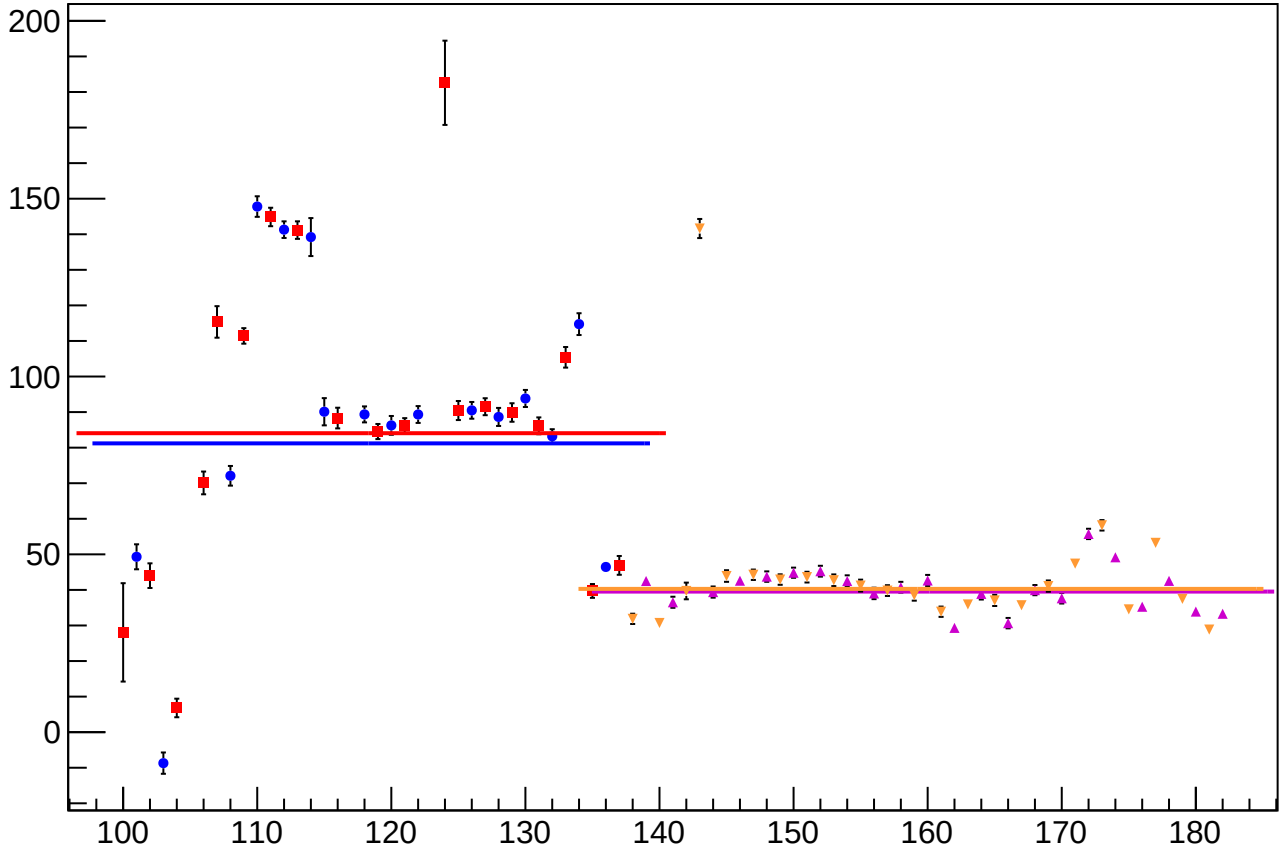
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.680+/-0.209 χ^2/NDF:623.3/37

Out: -3.601+/-0.209 χ^2/NDF:738.1/41

All: -3.640+/-0.148 χ^2/NDF: 1361.4/79

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: 40.289+/-0.294 χ^2/NDF:2042.6/22

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.529+/-0.288 χ^2/NDF:431.8/21

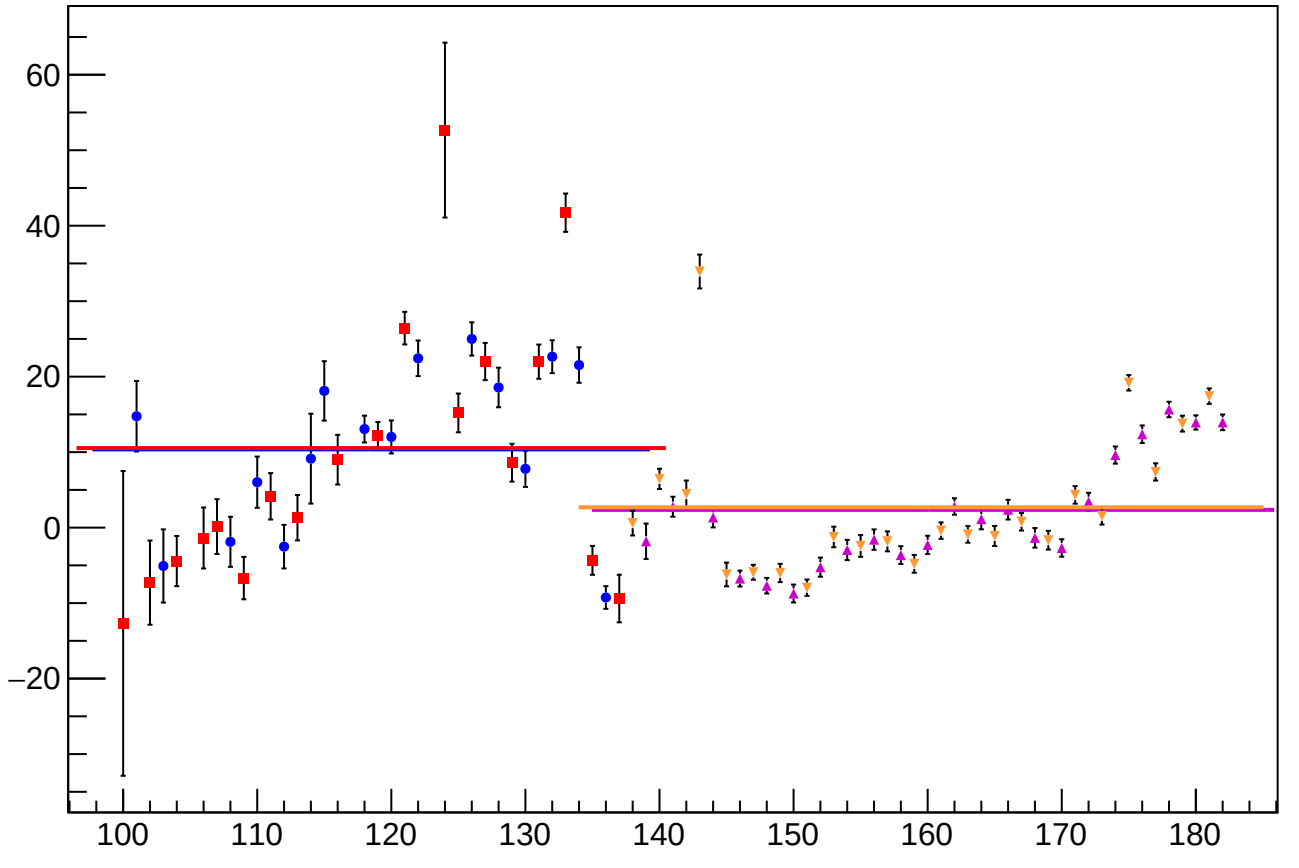
Left: 39.902+/-0.206 χ^2/NDF: 2477.7/44

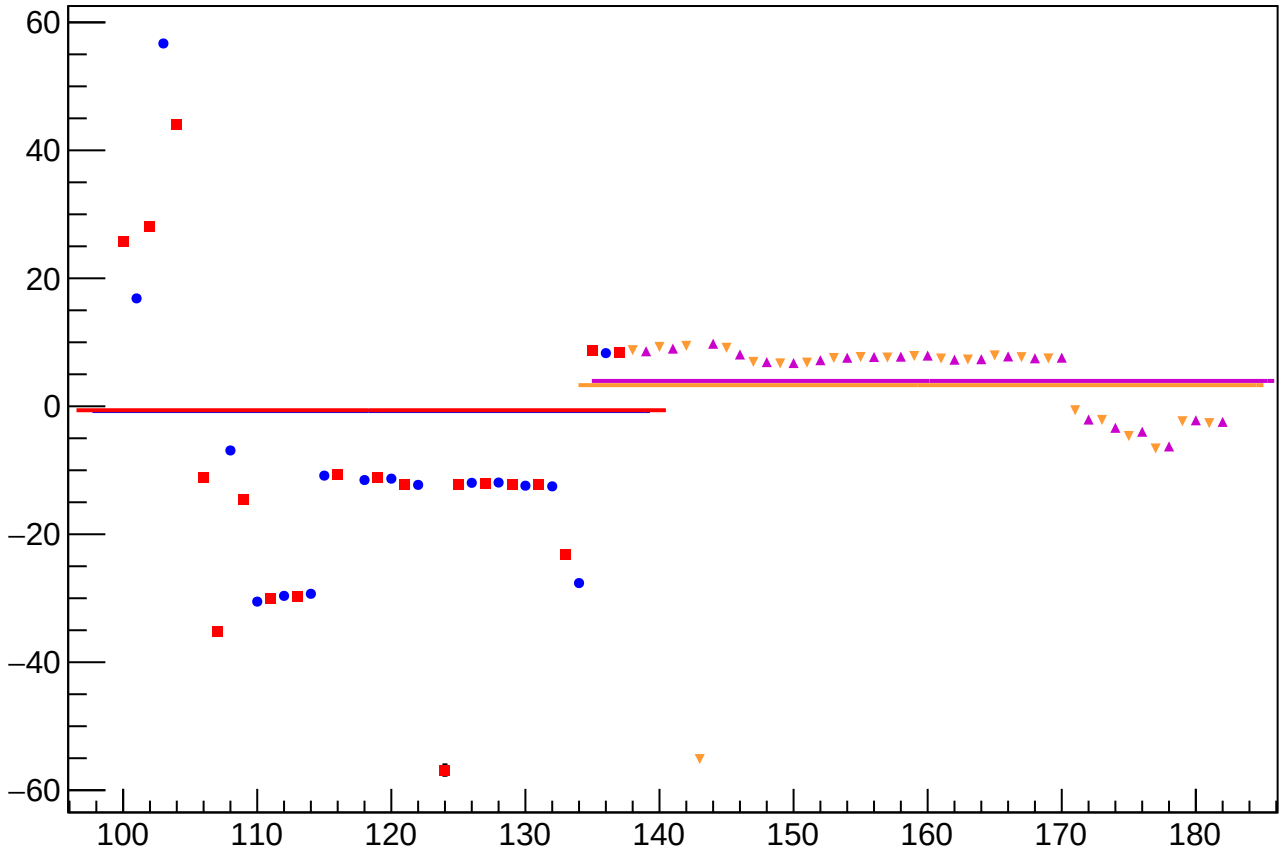
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 47.207+/-0.261 χ^2/NDF:7506.7/37

Out: 48.412+/-0.265 χ^2/NDF:9358.6/41

All: 47.798+/-0.186 χ^2/NDF: 16875.8/79


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
170
180
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 2.692+/-0.255 χ²/NDF:1175.6/22
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: 2.355+/-0.254 χ²/NDF:948.1/21
Left: 2.523+/-0.180 χ²/NDF: 2124.5/44
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 3.484+/-0.235 χ²/NDF:1448.4/37
Out: 3.765+/-0.237 χ²/NDF:1776.0/41
All: 3.623+/-0.167 χ²/NDF: 3225.1/79



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 3.304+/-0.011 χ^2/NDF:494519.4/22

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 3.963+/-0.011 χ^2/NDF:226332.8/21

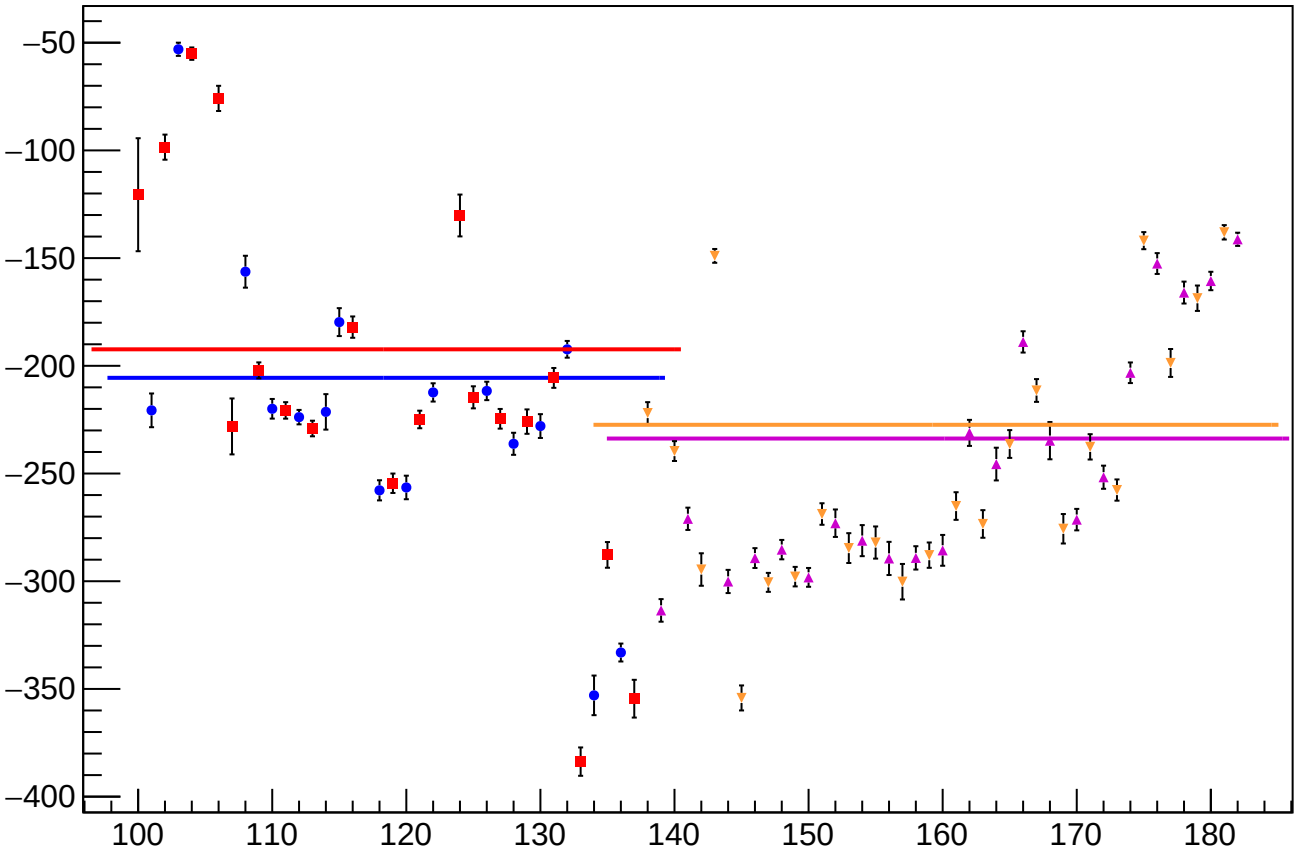
Left: 3.640+/-0.008 χ^2/NDF: 722543.7/44

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 3.543+/-0.011 χ^2/NDF:610011.1/37

Out: 2.966+/-0.011 χ^2/NDF:821096.2/41

All: 3.261+/-0.008 χ^2/NDF: 1432527.9/79



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -227.381+/-1.079 χ^2/NDF:3540.5/22

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -233.760+/-1.097 χ^2/NDF:3077.0/21

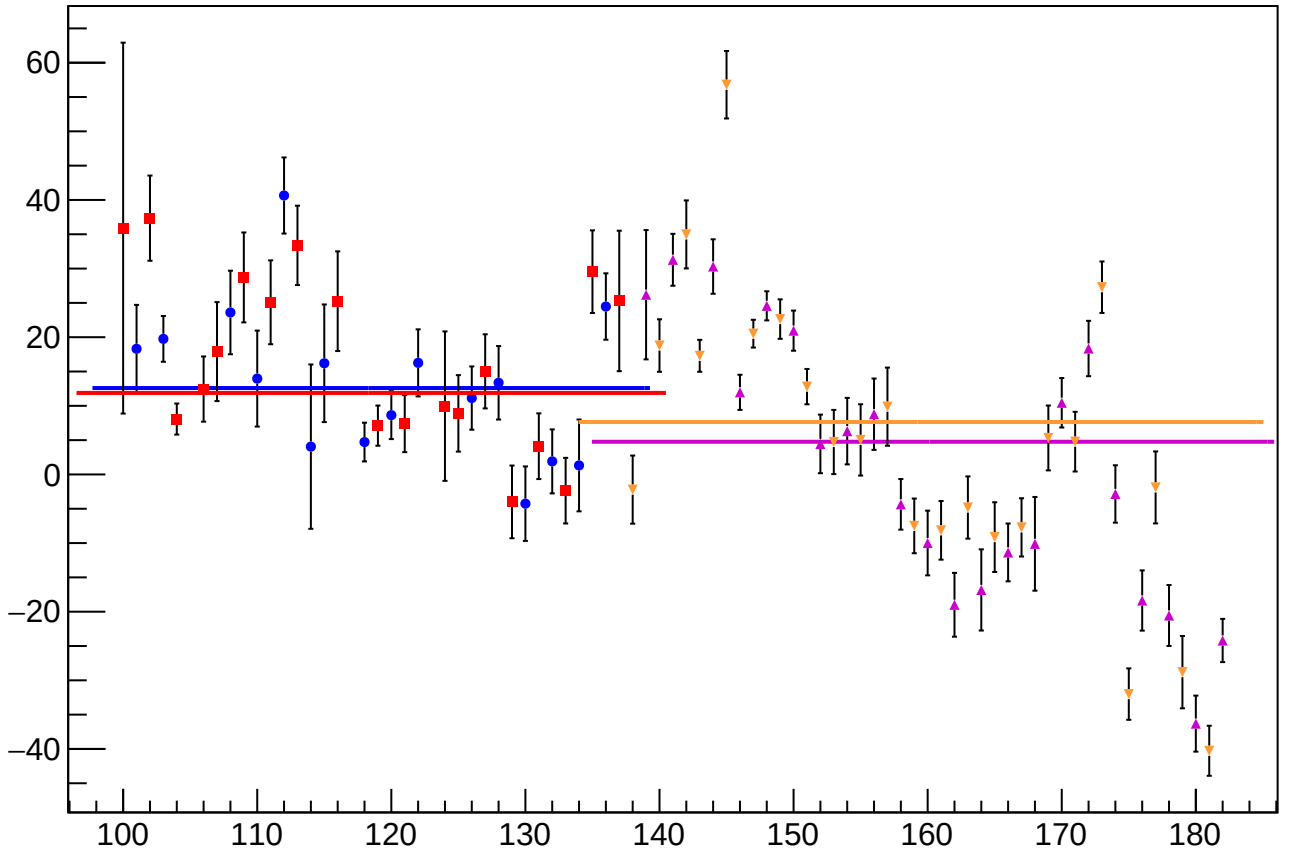
Left: -230.519+/-0.769 χ^2/NDF: 6634.7/44

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -220.755+/-0.805 χ^2/NDF:7437.8/37

Out: -210.555+/-0.778 χ^2/NDF:9016.7/41

All: -215.482+/-0.559 χ^2/NDF: 16537.6/79



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 7.642+/-0.778 χ^2/NDF:655.9/22

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 4.764+/-0.816 χ^2/NDF:560.2/21

Left: 6.272+/-0.563 χ^2/NDF: 1222.6/44

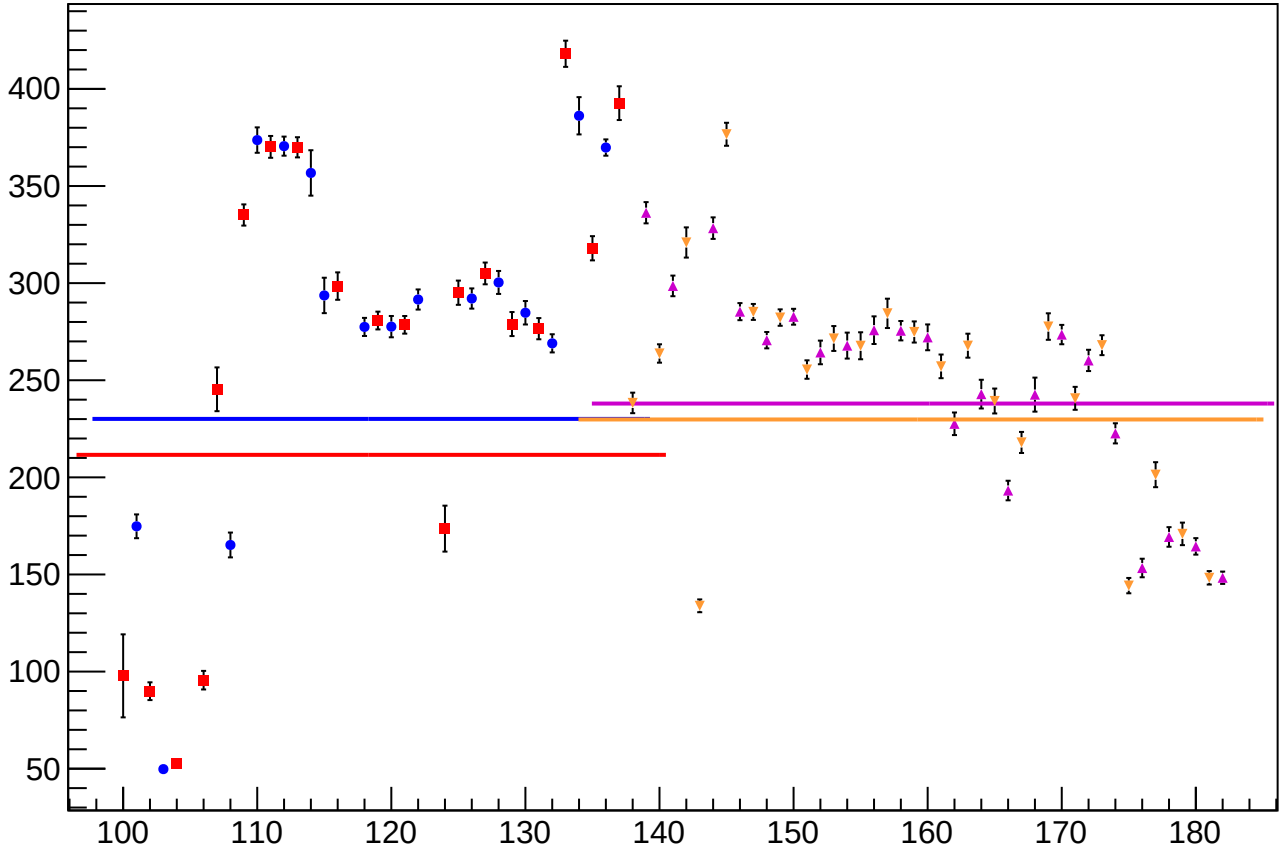
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 7.232+/-0.675 χ^2/NDF:657.7/37

Out: 9.017+/-0.639 χ^2/NDF:750.5/41

All: 8.174+/-0.464 χ^2/NDF: 1411.9/79

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: 229.801+/-1.070 χ^2/NDF:3527.2/22

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 237.999+/-1.084 χ^2/NDF:2921.5/21

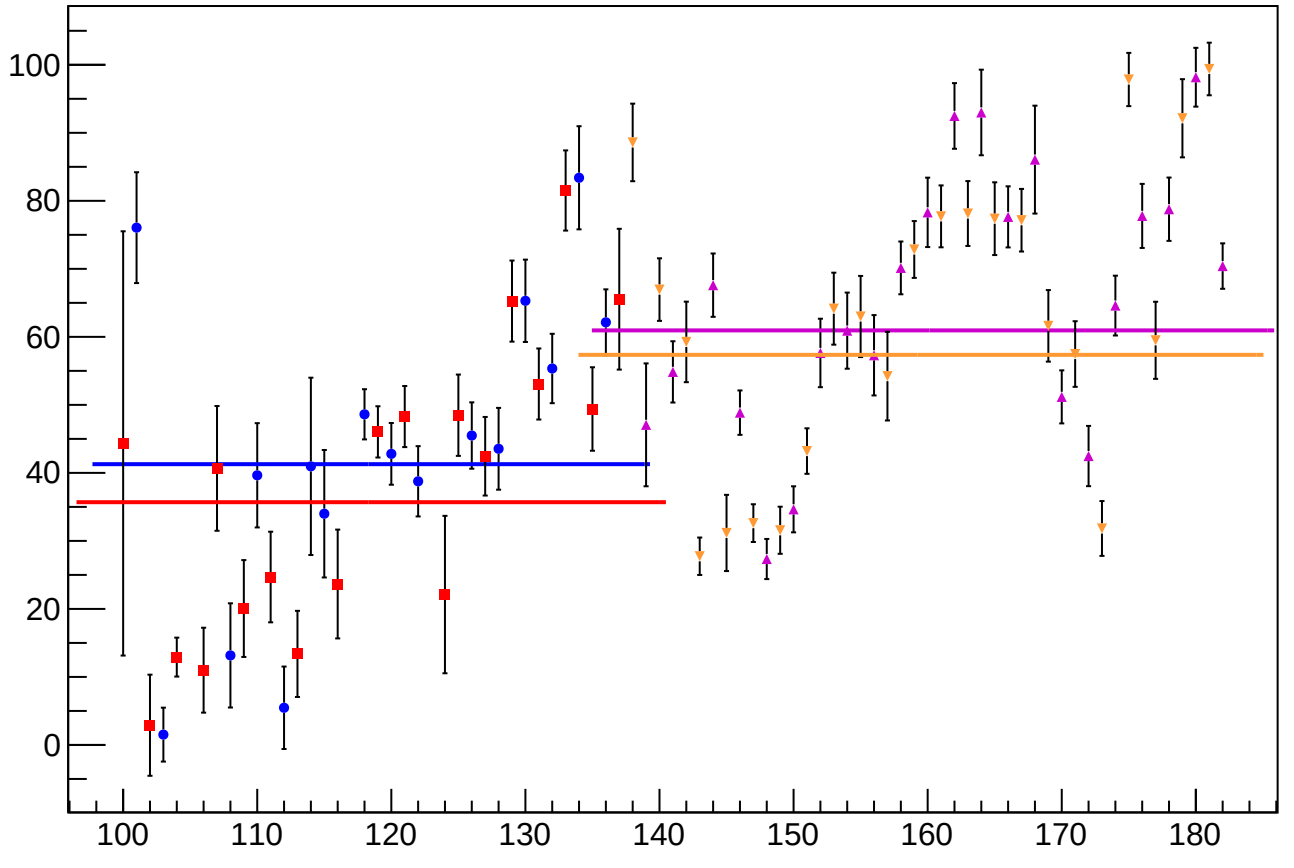
Left: 233.844+/-0.761 χ^2/NDF: 6477.7/44

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 234.635+/-0.822 χ^2/NDF:12319.8/37

Out: 221.702+/-0.797 χ^2/NDF:15128.2/41

All: 227.971+/-0.572 χ^2/NDF: 27575.6/79



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 57.356+/-0.903 χ^2/NDF:715.7/22

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 60.951+/-0.935 χ^2/NDF:454.5/21

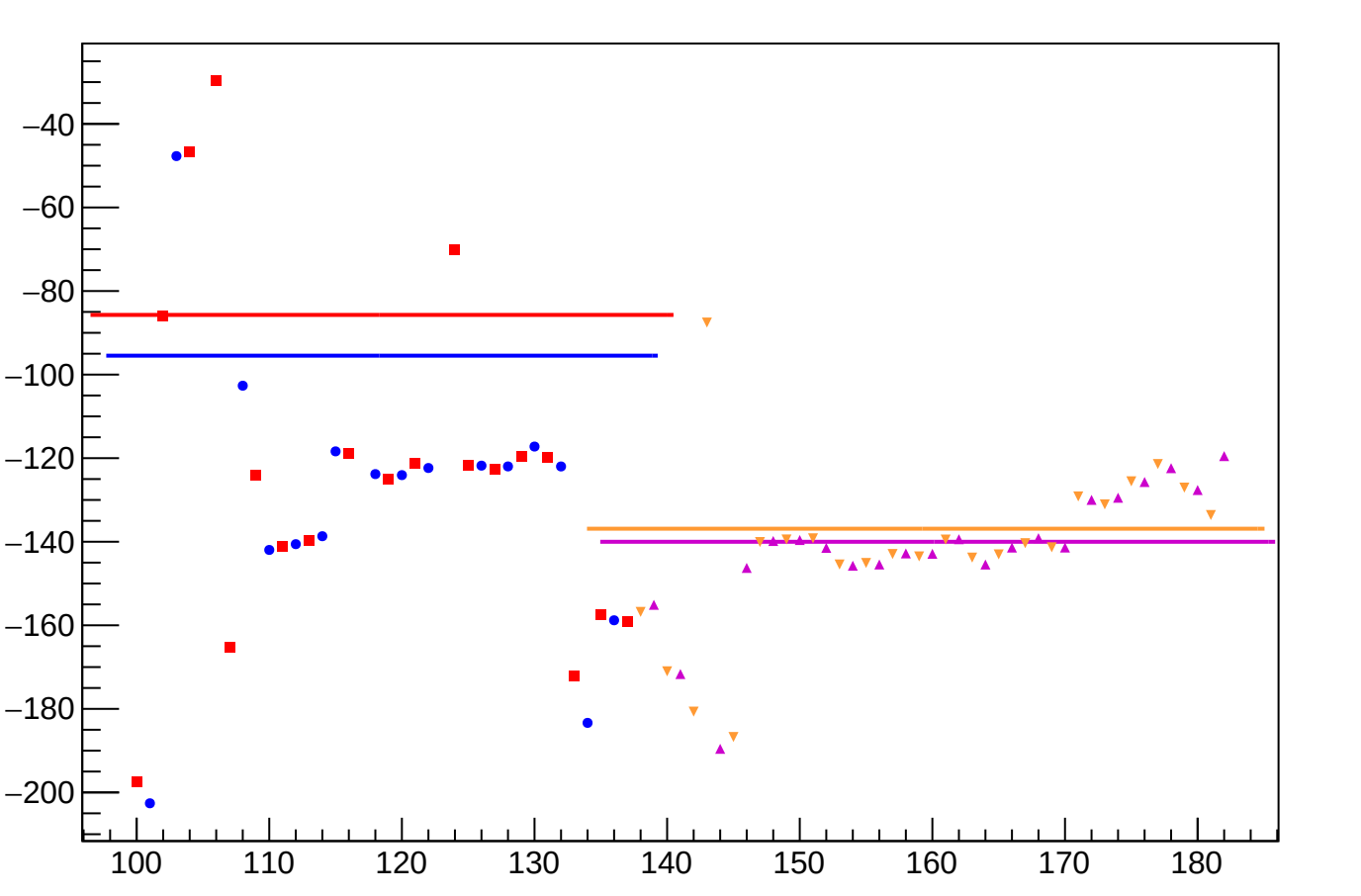
Left: 59.092+/-0.649 χ^2/NDF: 1177.8/44

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 54.873+/-0.777 χ^2/NDF:837.1/37

Out: 50.428+/-0.745 χ^2/NDF:1152.9/41

All: 52.557+/-0.538 χ^2/NDF: 2007.1/79



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -136.882+/-0.043 χ^2/NDF:247866.3/22

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -140.010+/-0.043 χ^2/NDF:110073.6/21

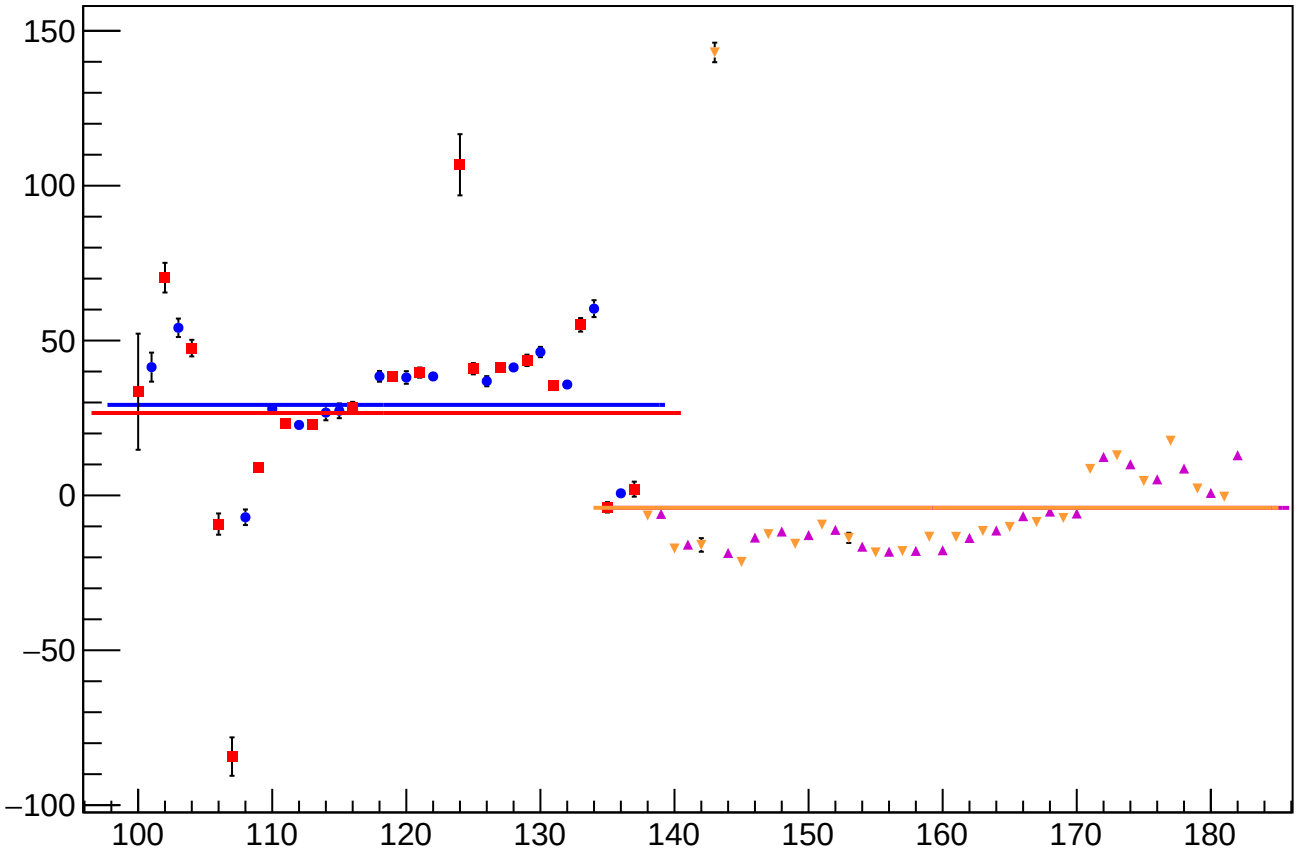
Left: -138.441+/-0.030 χ^2/NDF: 360631.1/44

Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -127.784+/-0.036 χ^2/NDF:928441.6/37

Out: -122.151+/-0.036 χ^2/NDF:1146378.4/41

All: -124.931+/-0.026 χ^2/NDF: 2086956.4/79



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -3.994+/-0.279 χ^2/NDF:3582.5/22

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -4.019+/-0.275 χ^2/NDF:1538.9/21

Left: -4.007+/-0.196 χ^2/NDF: 5121.4/44

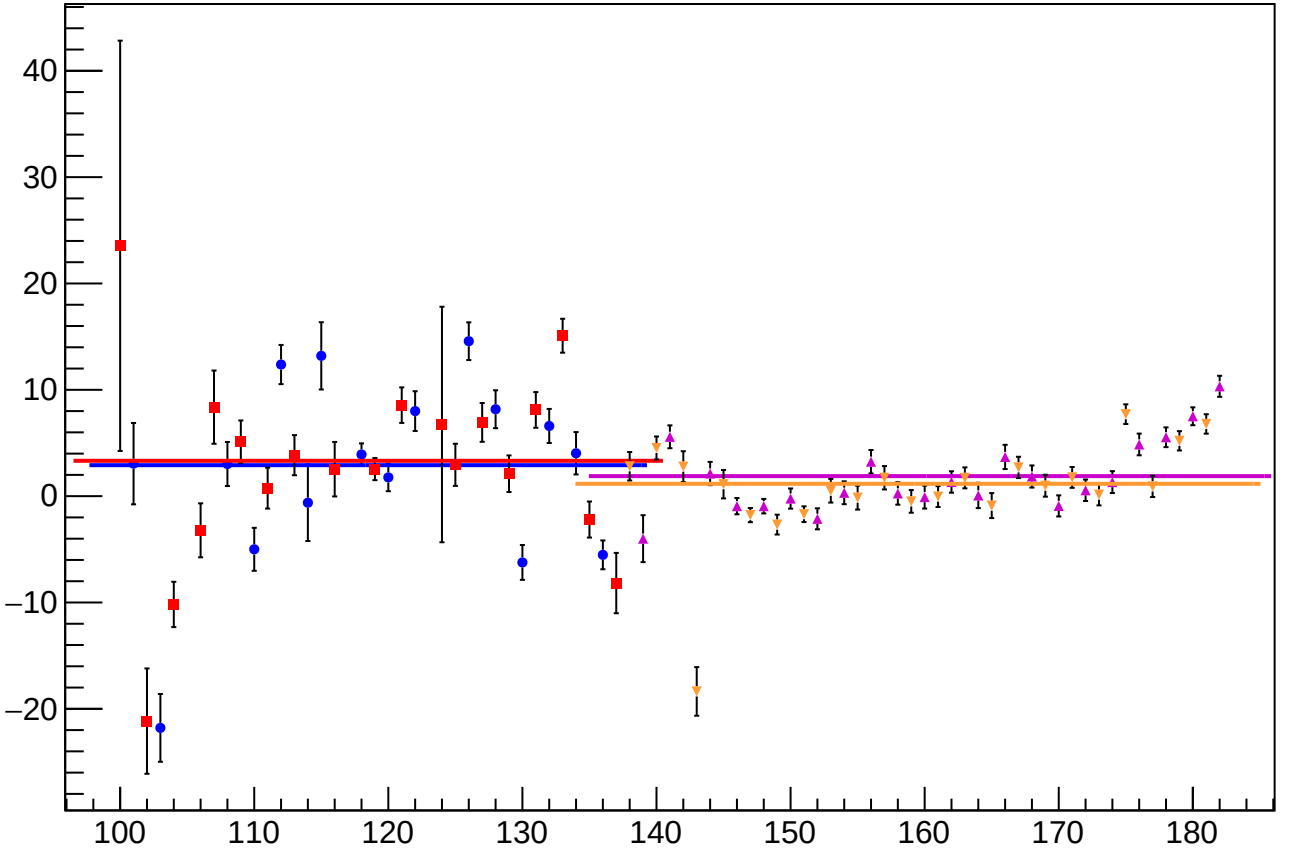
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.800+/-0.231 χ^2/NDF:7209.1/37

Out: 5.568+/-0.231 χ^2/NDF:9258.6/41

All: 5.684+/-0.163 χ^2/NDF: 16468.2/79

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: 1.160+/-0.211 χ^2/NDF:258.1/22

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.884+/-0.212 χ^2/NDF:237.3/21

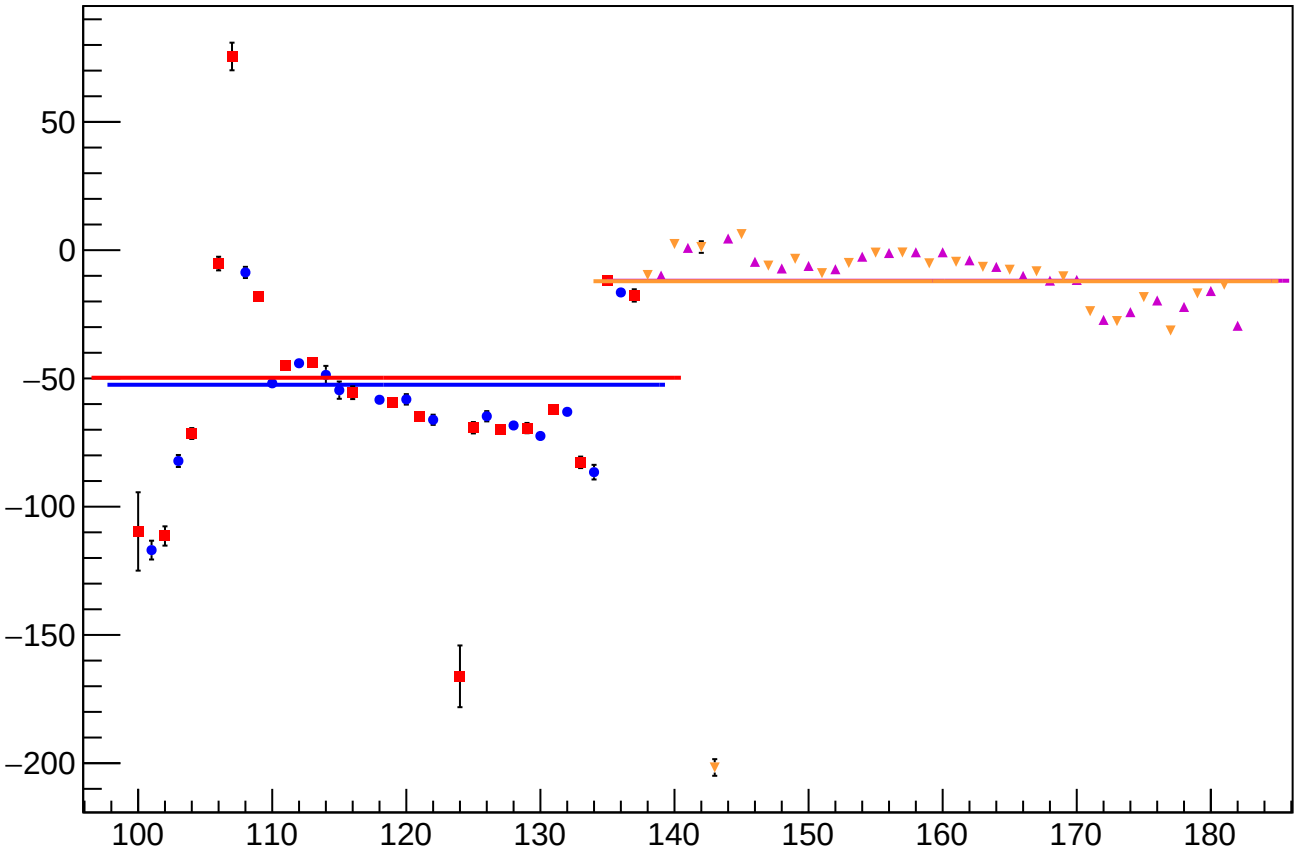
Left: 1.520+/-0.149 χ^2/NDF: 501.2/44

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 2.076+/-0.191 χ^2/NDF:491.7/37

Out: 1.545+/-0.191 χ^2/NDF:458.6/41

All: 1.810+/-0.135 χ^2/NDF: 954.1/79



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -12.105+/-0.276 χ^2/NDF:4518.3/22

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -11.919+/-0.272 χ^2/NDF:1230.2/21

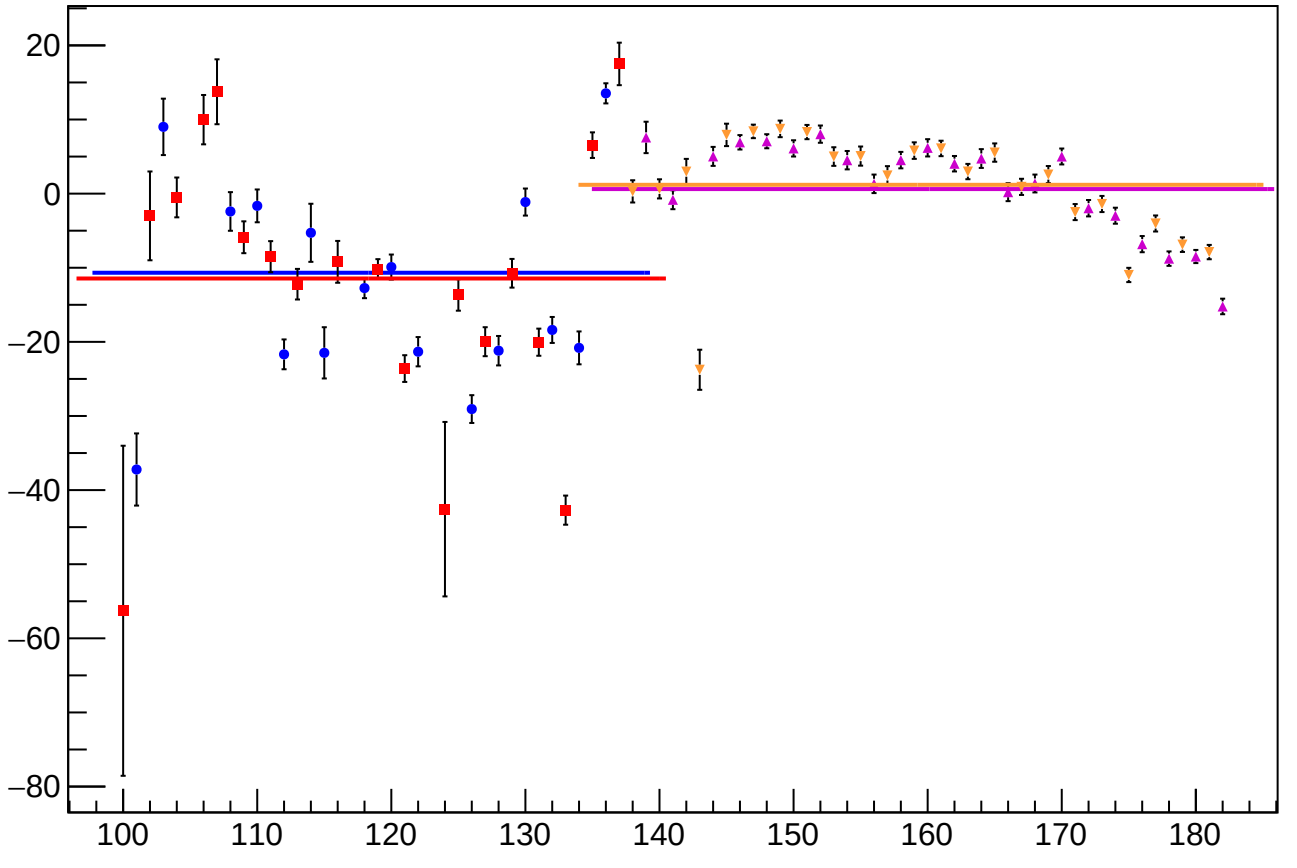
Left: -12.011+/-0.194 χ^2/NDF: 5748.7/44

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.523+/-0.237 χ^2/NDF:8833.8/37

Out: -21.055+/-0.241 χ^2/NDF:11949.3/41

All: -21.293+/-0.169 χ^2/NDF: 20785.1/79



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 1.190+/-0.239 χ^2/NDF:699.4/22

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 0.614+/-0.239 χ^2/NDF:749.9/21

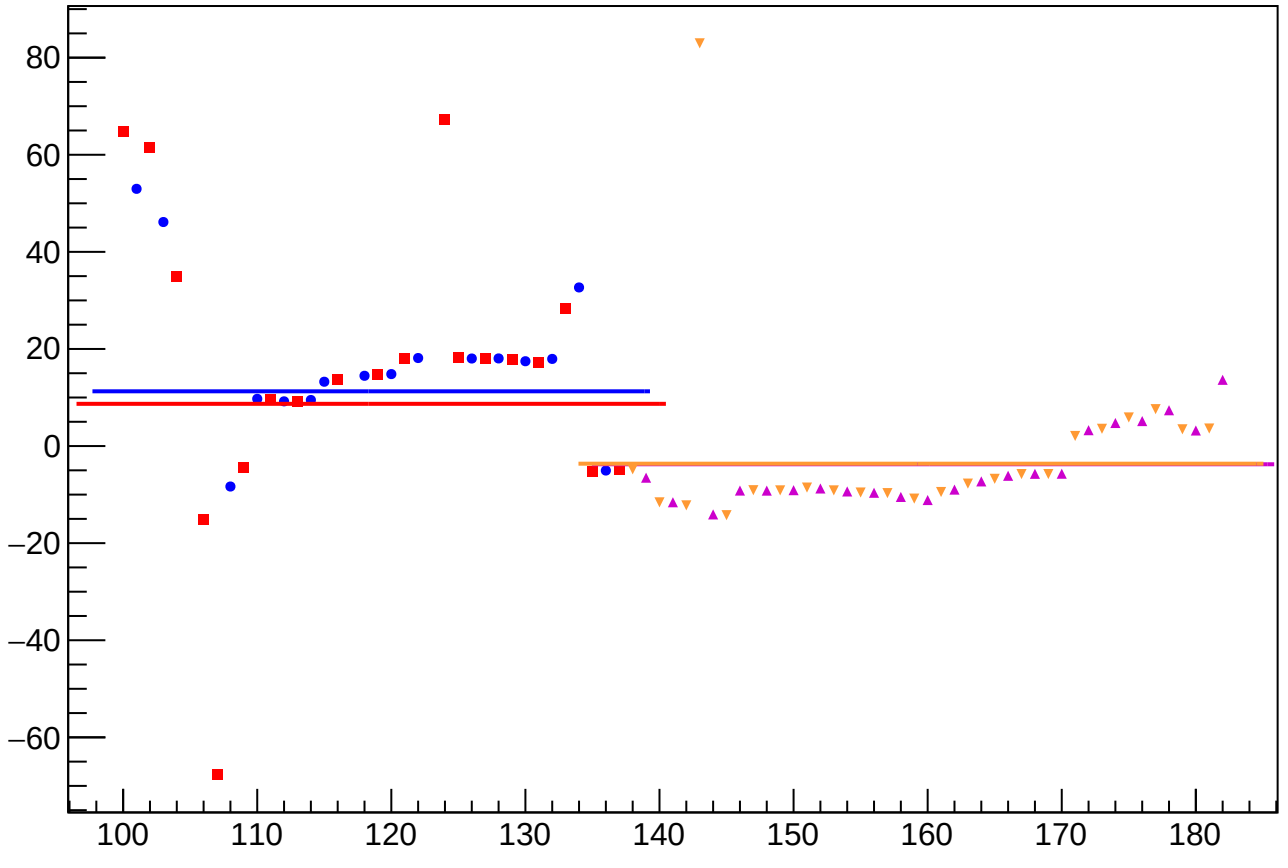
Left: 0.902+/-0.169 χ^2/NDF: 1452.2/44

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -1.446+/-0.216 χ^2/NDF:1824.1/37

Out: -1.040+/-0.217 χ^2/NDF:1859.2/41

All: -1.244+/-0.153 χ^2/NDF: 3685.1/79



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -3.633+/-0.011 χ^2/NDF:786501.8/22

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -3.751+/-0.011 χ^2/NDF:493855.1/21

Left: -3.693+/-0.008 χ^2/NDF: 1280419.4/44

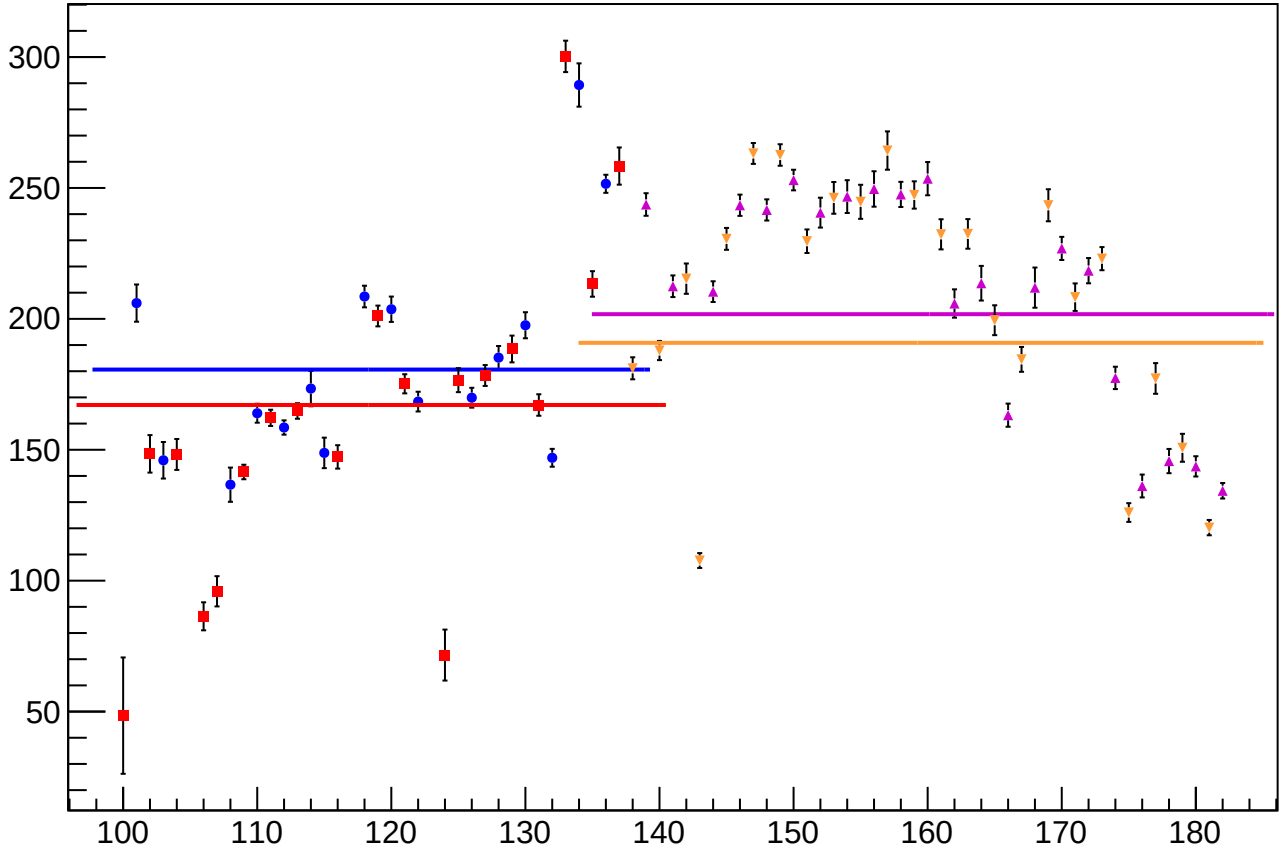
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -2.092+/-0.010 χ^2/NDF:1067607.1/37

Out: -2.345+/-0.010 χ^2/NDF:1360572.1/41

All: -2.216+/-0.007 χ^2/NDF: 2428494.4/79

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: 190.845+/-0.941 χ^2/NDF:3267.9/22

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 201.783+/-0.970 χ^2/NDF:2056.7/21

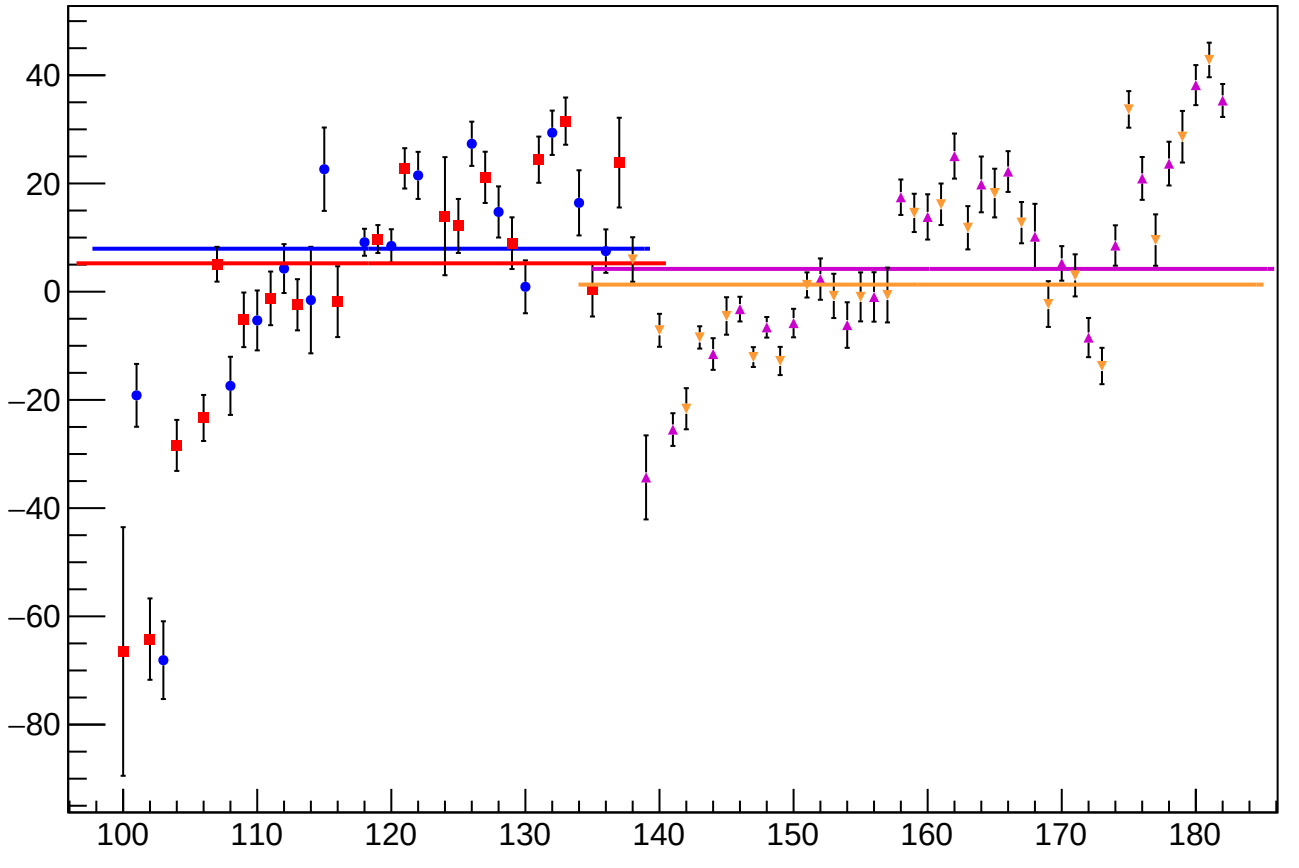
Left: 196.147+/-0.675 χ^2/NDF: 5390.1/44

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 192.432+/-0.725 χ^2/NDF:3260.2/37

Out: 179.937+/-0.692 χ^2/NDF:5044.9/41

All: 185.896+/-0.500 χ^2/NDF: 8460.7/79



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: 1.308+/-0.683 χ^2/NDF:530.4/22

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 4.210+/-0.721 χ^2/NDF:537.9/21

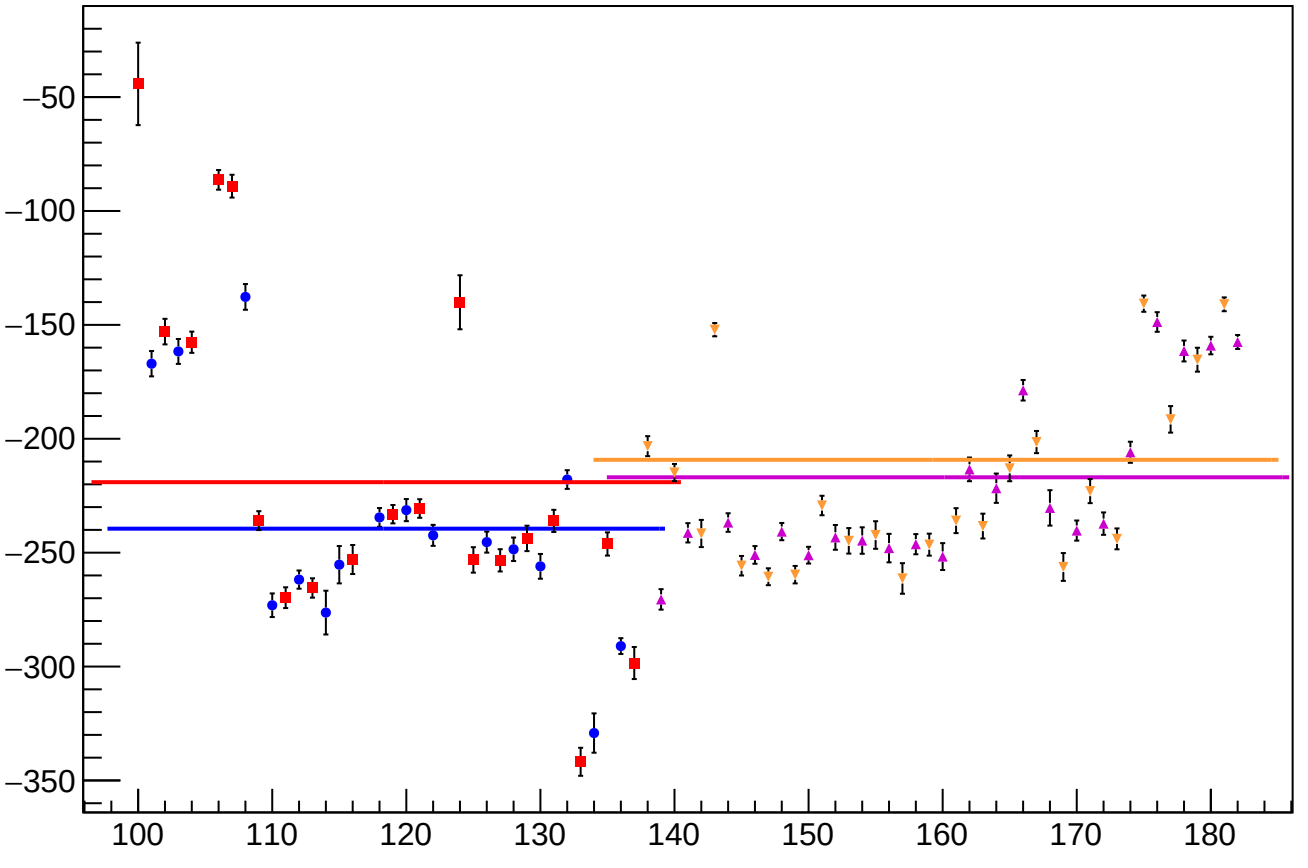
Left: 2.680+/-0.496 χ^2/NDF: 1076.9/44

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 5.313+/-0.605 χ^2/NDF:778.8/37

Out: 2.459+/-0.574 χ^2/NDF:843.0/41

All: 3.811+/-0.417 χ^2/NDF: 1633.5/79



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -209.237+/-0.935 χ^2/NDF:2240.8/22

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -216.907+/-0.960 χ^2/NDF:1676.1/21

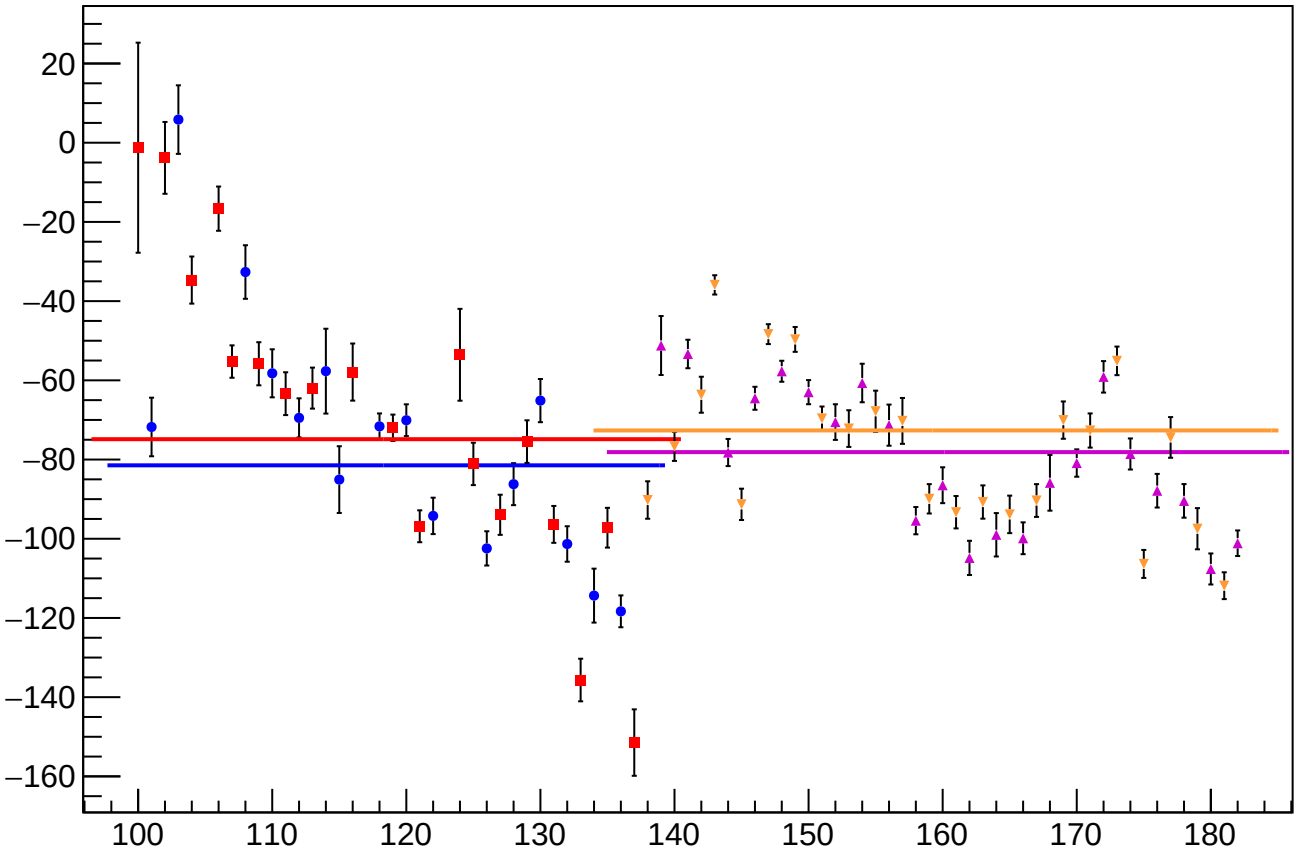
Left: -212.971+/-0.670 χ^2/NDF: 3949.7/44

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -225.315+/-0.760 χ^2/NDF:3044.2/37

Out: -213.037+/-0.732 χ^2/NDF:5332.8/41

All: -218.942+/-0.527 χ^2/NDF: 8512.3/79



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -72.653+/-0.792 χ^2/NDF:793.9/22

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -78.123+/-0.827 χ^2/NDF:440.4/21

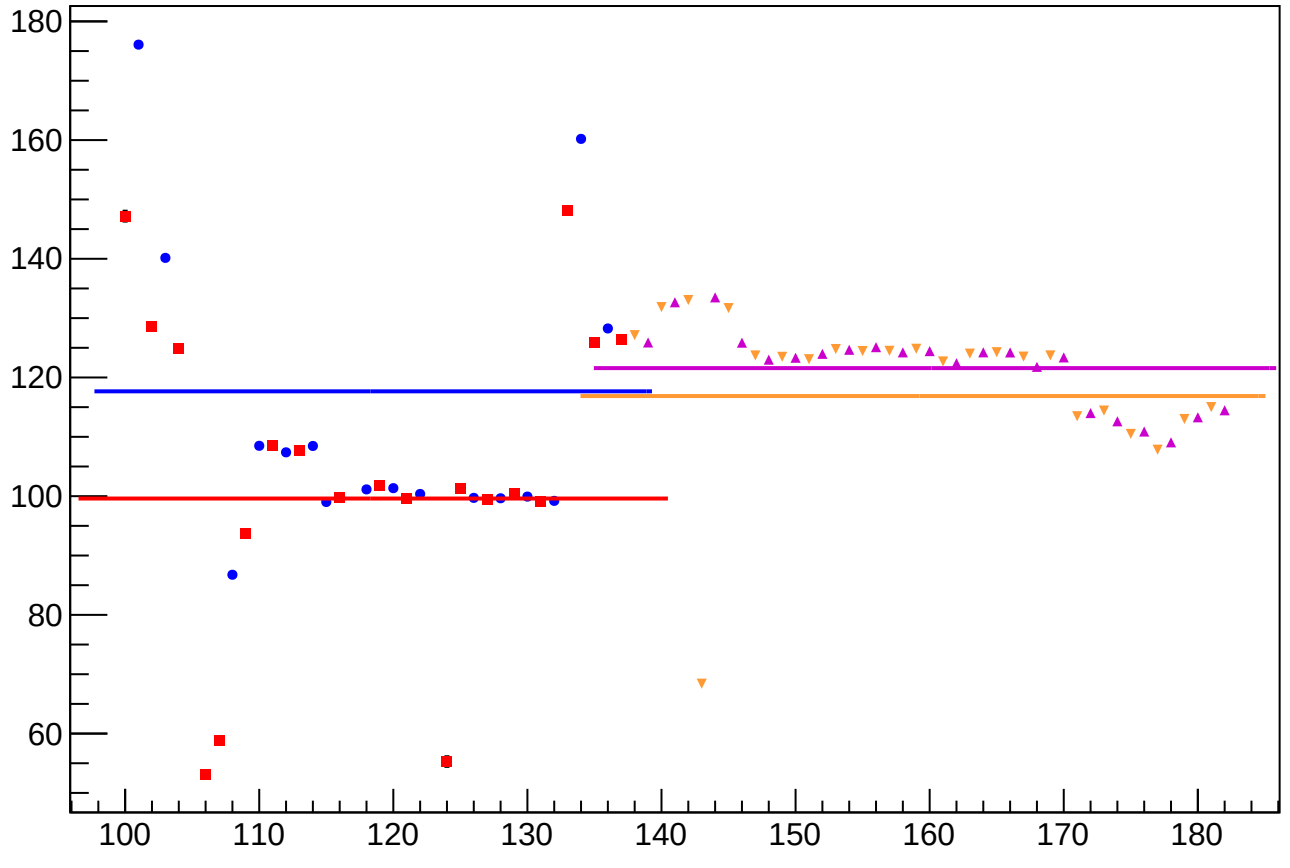
Left: -75.272+/-0.572 χ^2/NDF: 1257.2/44

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -79.098+/-0.695 χ^2/NDF:811.7/37

Out: -73.300+/-0.666 χ^2/NDF:1372.8/41

All: -76.074+/-0.481 χ^2/NDF: 2220.7/79



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.871+/-0.037 χ^2/NDF:203486.8/22

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 121.580+/-0.038 χ^2/NDF:28348.2/21

Left: 119.195+/-0.027 χ^2/NDF: 239723.8/44

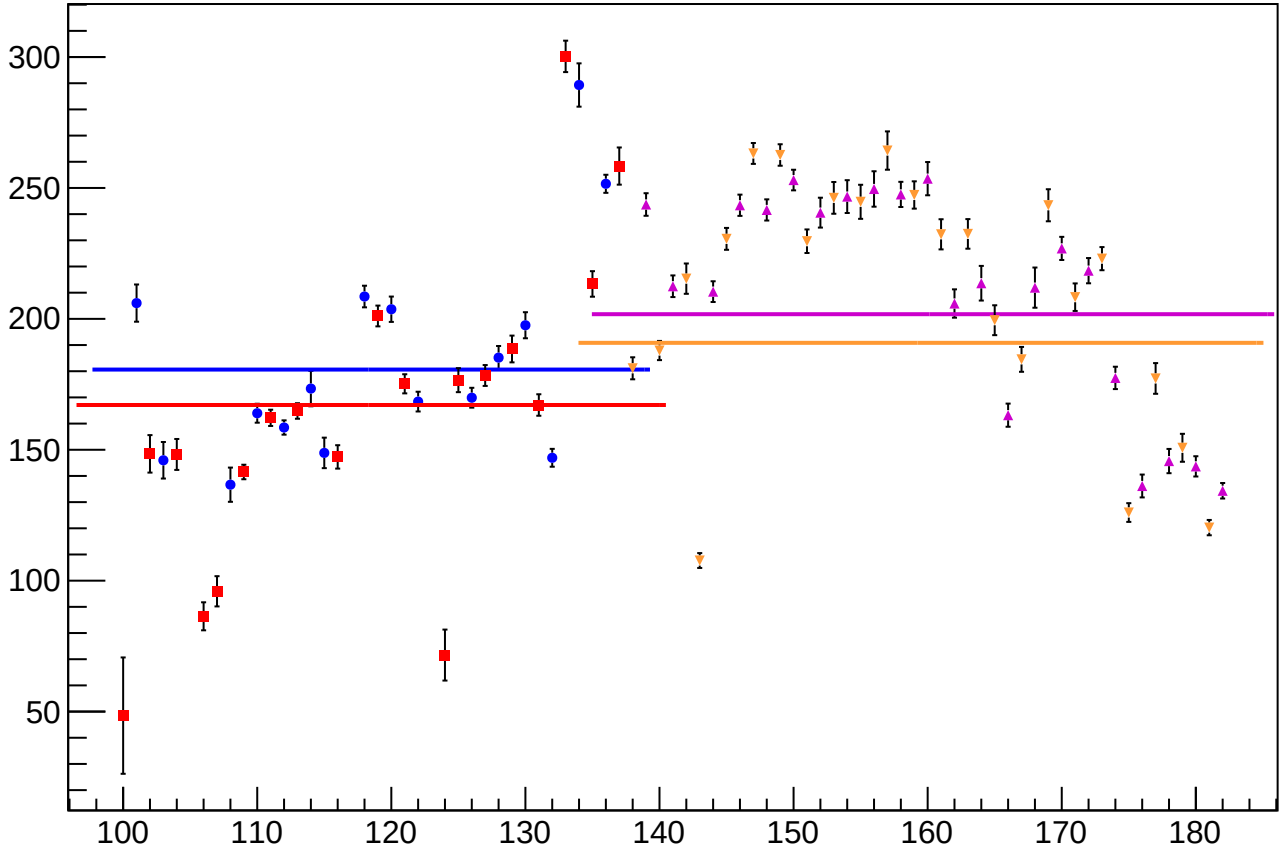
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 120.842+/-0.034 χ^2/NDF:125775.4/37

Out: 113.086+/-0.033 χ^2/NDF:416818.9/41

All: 116.839+/-0.024 χ^2/NDF: 569466.3/79

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: 190.845+/-0.941 χ^2/NDF:3267.9/22

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 201.783+/-0.970 χ^2/NDF:2056.7/21

Left: 196.147+/-0.675 χ^2/NDF: 5390.1/44

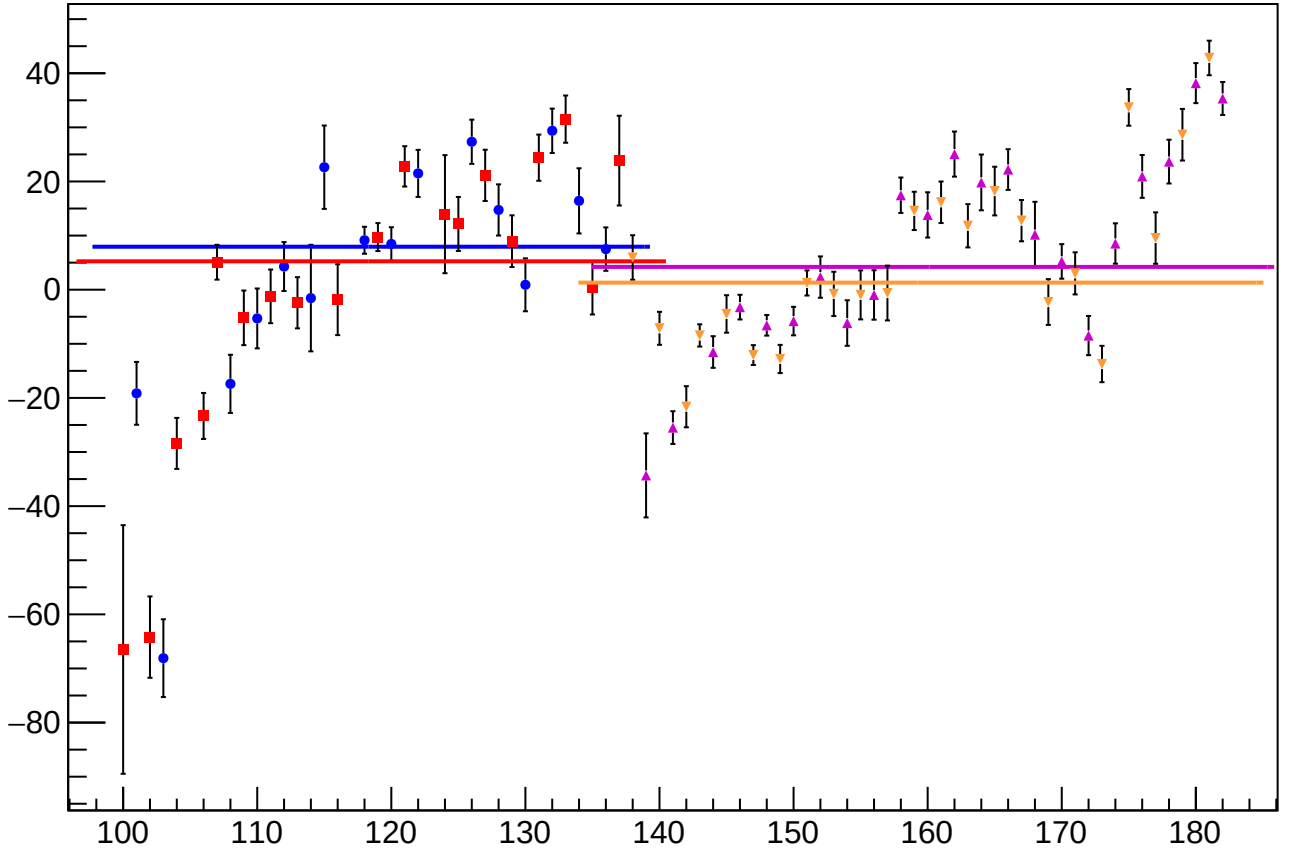
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 192.432+/-0.725 χ^2/NDF:3260.2/37

Out: 179.937+/-0.692 χ^2/NDF:5044.9/41

All: 185.896+/-0.500 χ^2/NDF: 8460.7/79

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: 1.308+/-0.683 χ^2/NDF:530.4/22

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 4.210+/-0.721 χ^2/NDF:537.9/21

Left: 2.680+/-0.496 χ^2/NDF: 1076.9/44

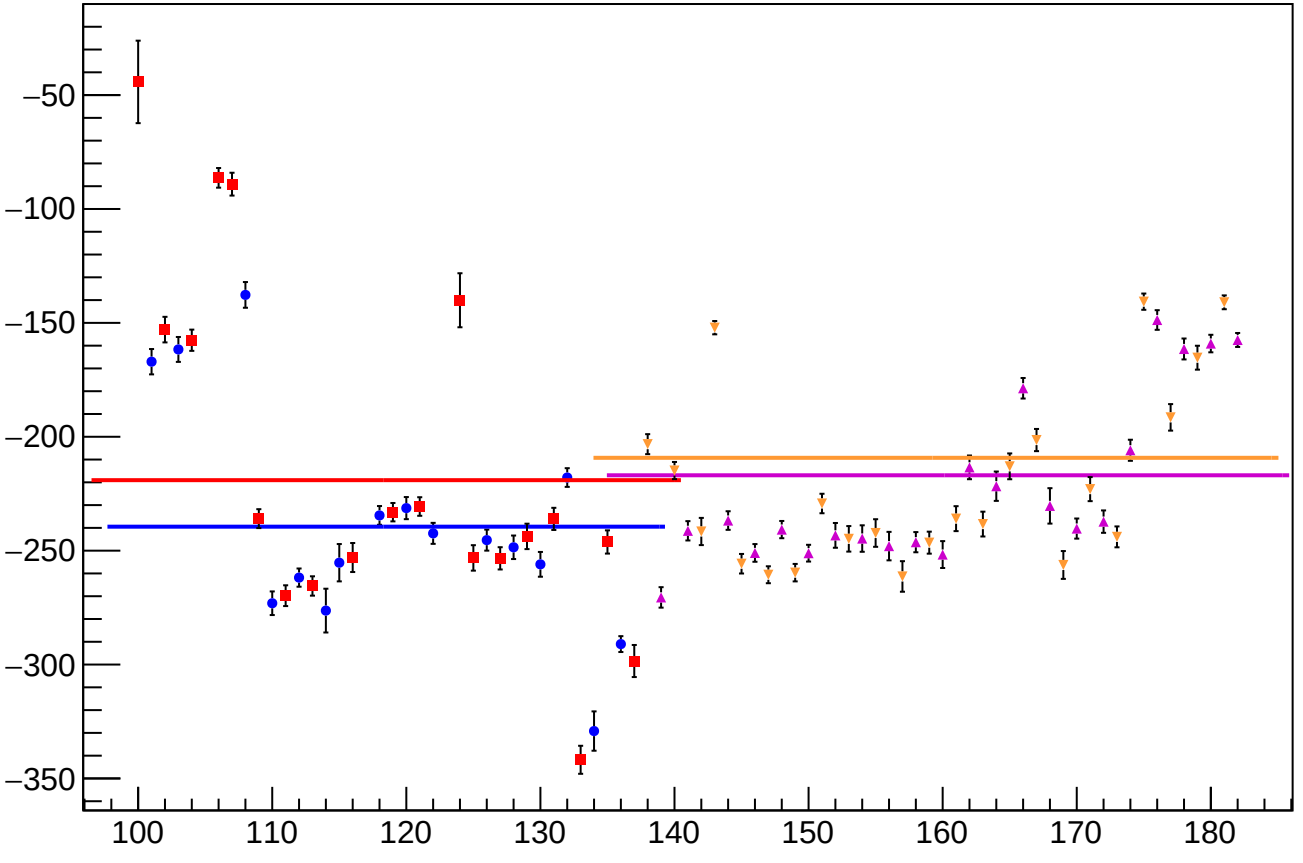
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 5.313+/-0.605 χ^2/NDF:778.8/37

Out: 2.459+/-0.574 χ^2/NDF:843.0/41

All: 3.811+/-0.417 χ^2/NDF: 1633.5/79

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: -209.237+/-0.935 χ^2/NDF:2240.8/22

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -216.907+/-0.960 χ^2/NDF:1676.1/21

Left: -212.971+/-0.670 χ^2/NDF: 3949.7/44

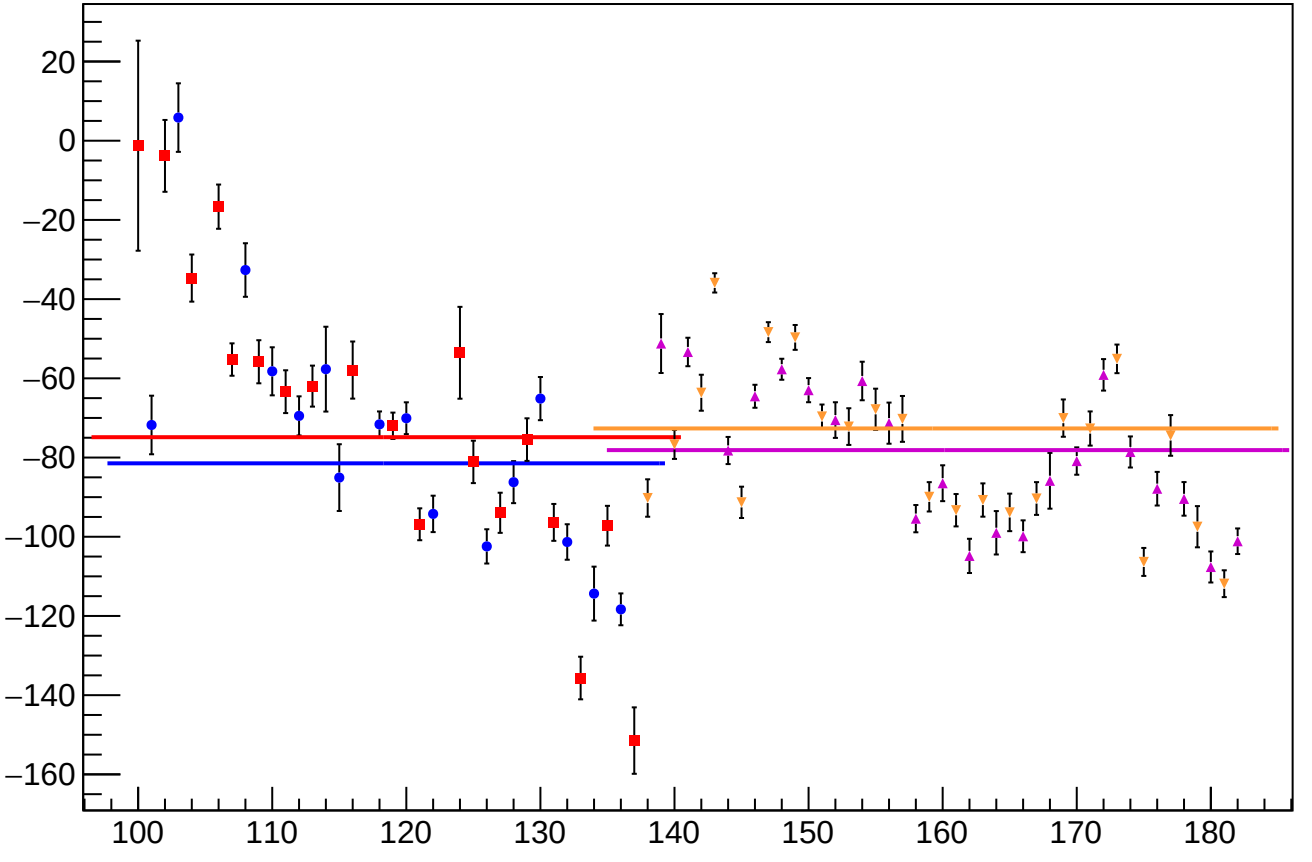
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -225.315+/-0.760 χ^2/NDF:3044.2/37

Out: -213.037+/-0.732 χ^2/NDF:5332.8/41

All: -218.942+/-0.527 χ^2/NDF: 8512.3/79

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: -72.653+/-0.792 χ^2/NDF:793.9/22

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -78.123+/-0.827 χ^2/NDF:440.4/21

Left: -75.272+/-0.572 χ^2/NDF: 1257.2/44

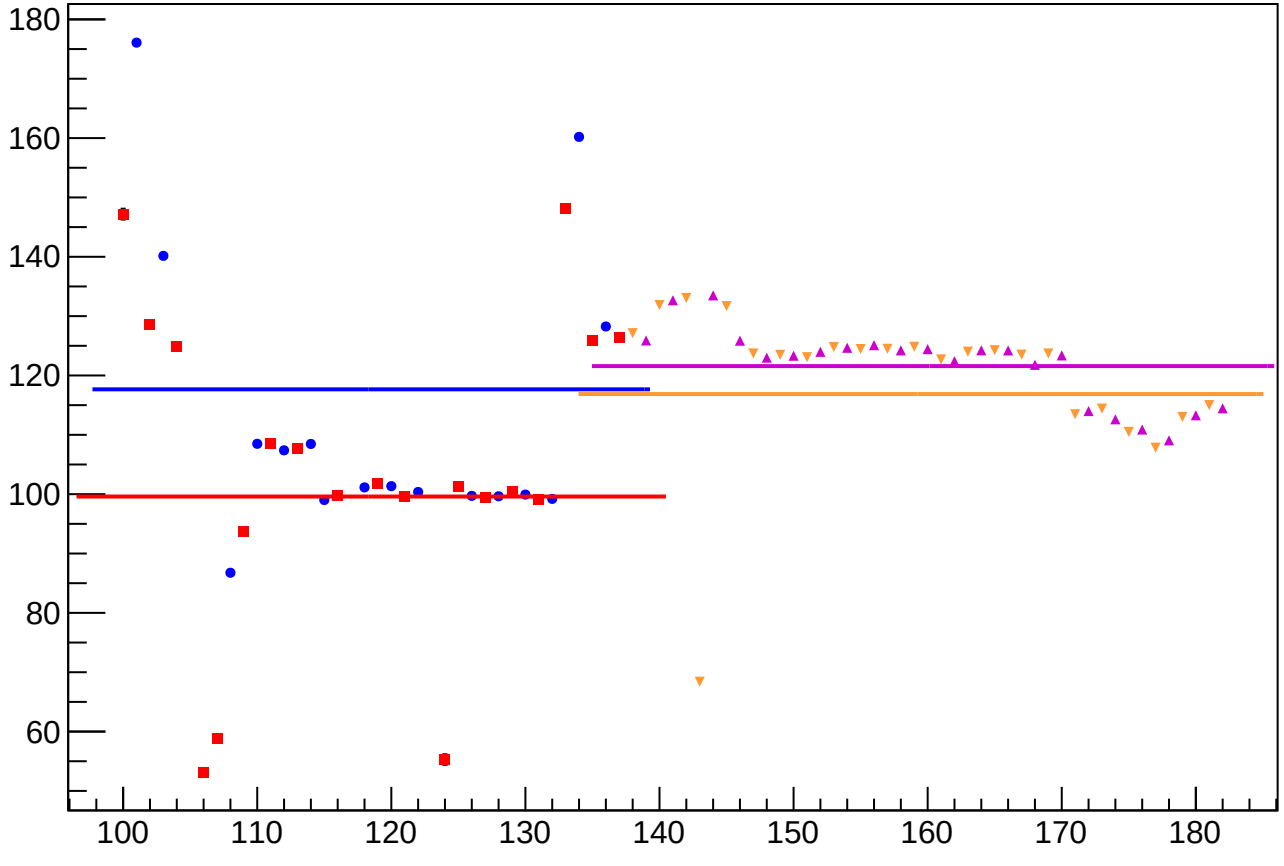
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -79.098+/-0.695 χ^2/NDF:811.7/37

Out: -73.300+/-0.666 χ^2/NDF:1372.8/41

All: -76.074+/-0.481 χ^2/NDF: 2220.7/79

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: 116.871+/-0.037 χ^2/NDF:203486.8/22

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 121.580+/-0.038 χ^2/NDF:28348.2/21

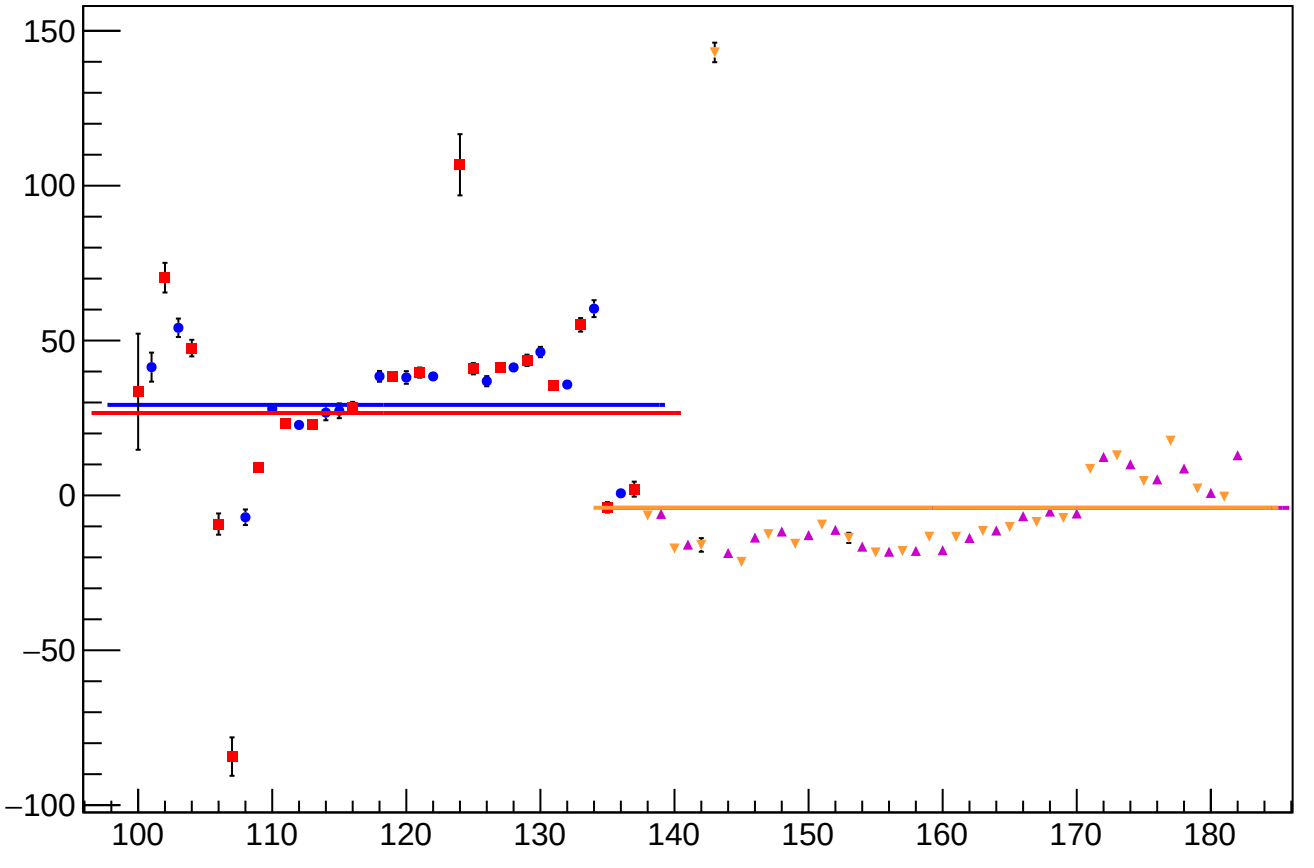
Left: 119.195+/-0.027 χ^2/NDF: 239723.8/44

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 120.842+/-0.034 χ^2/NDF:125775.4/37

Out: 113.086+/-0.033 χ^2/NDF:416818.9/41

All: 116.839+/-0.024 χ^2/NDF: 569466.3/79



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -3.994+/-0.279 χ^2/NDF:3582.5/22

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -4.019+/-0.275 χ^2/NDF:1538.9/21

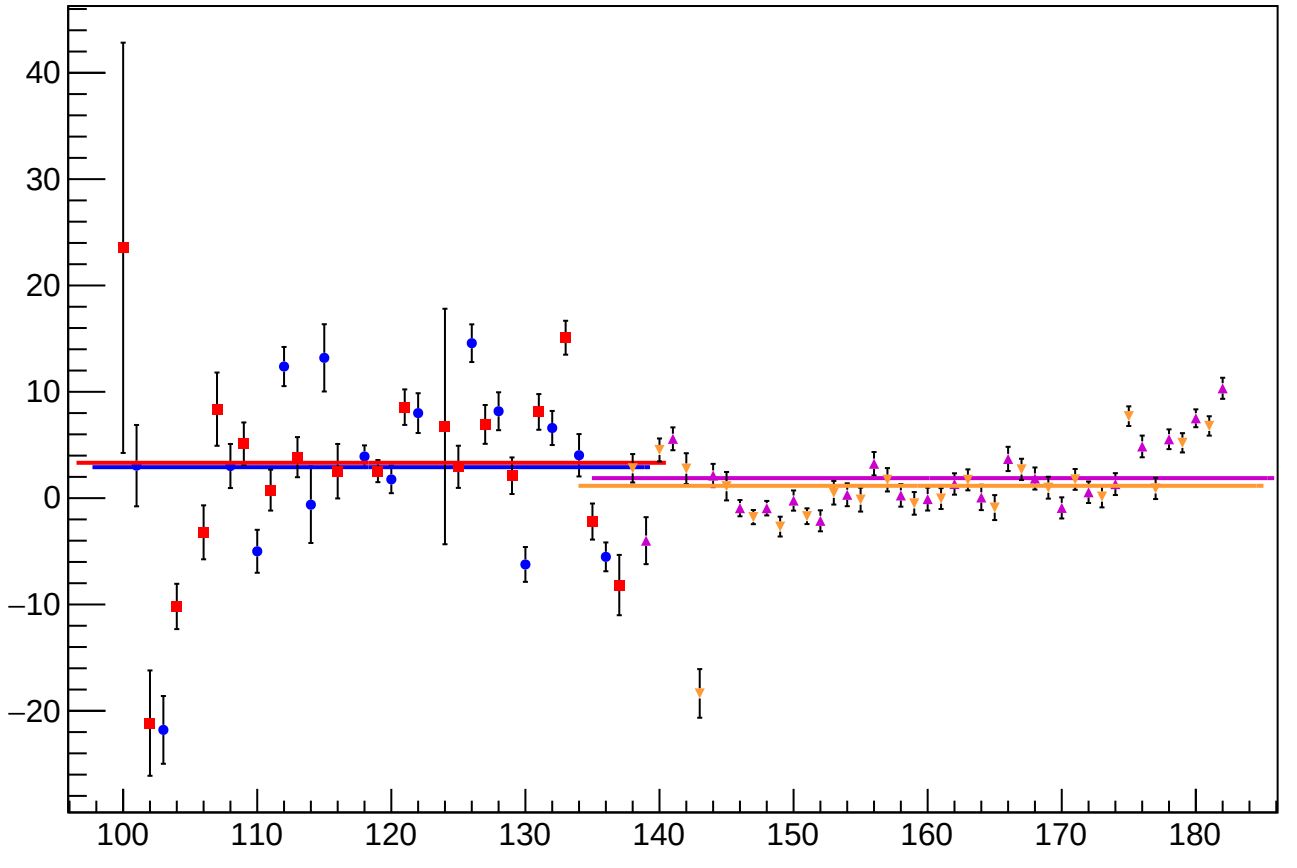
Left: -4.007+/-0.196 χ^2/NDF: 5121.4/44

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.800+/-0.231 χ^2/NDF:7209.1/37

Out: 5.568+/-0.231 χ^2/NDF:9258.6/41

All: 5.684+/-0.163 χ^2/NDF: 16468.2/79



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.160+/-0.211 χ^2/NDF:258.1/22

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.884+/-0.212 χ^2/NDF:237.3/21

Left: 1.520+/-0.149 χ^2/NDF: 501.2/44

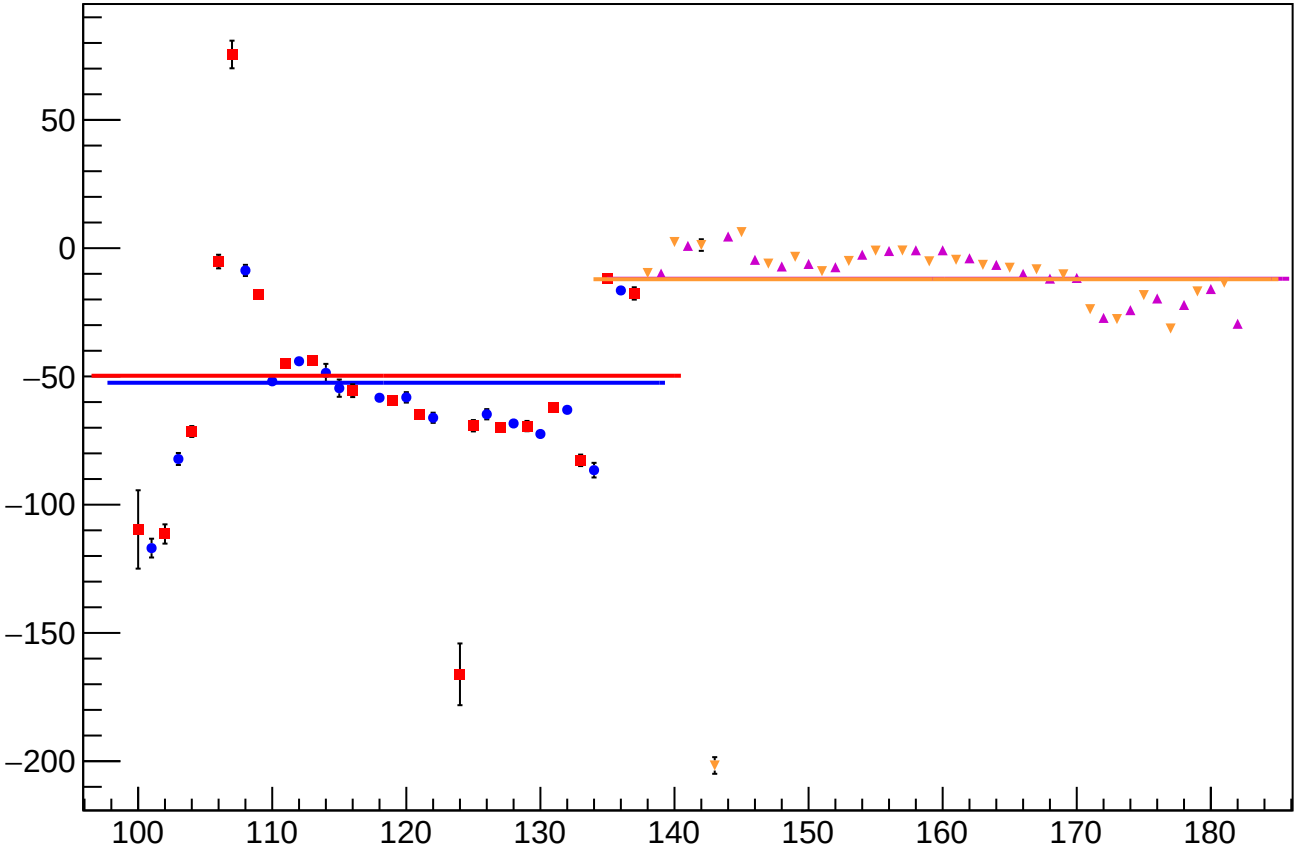
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 2.076+/-0.191 χ^2/NDF:491.7/37

Out: 1.545+/-0.191 χ^2/NDF:458.6/41

All: 1.810+/-0.135 χ^2/NDF: 954.1/79

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -12.105+/-0.276 χ^2/NDF:4518.3/22

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -11.919+/-0.272 χ^2/NDF:1230.2/21

Left: -12.011+/-0.194 χ^2/NDF: 5748.7/44

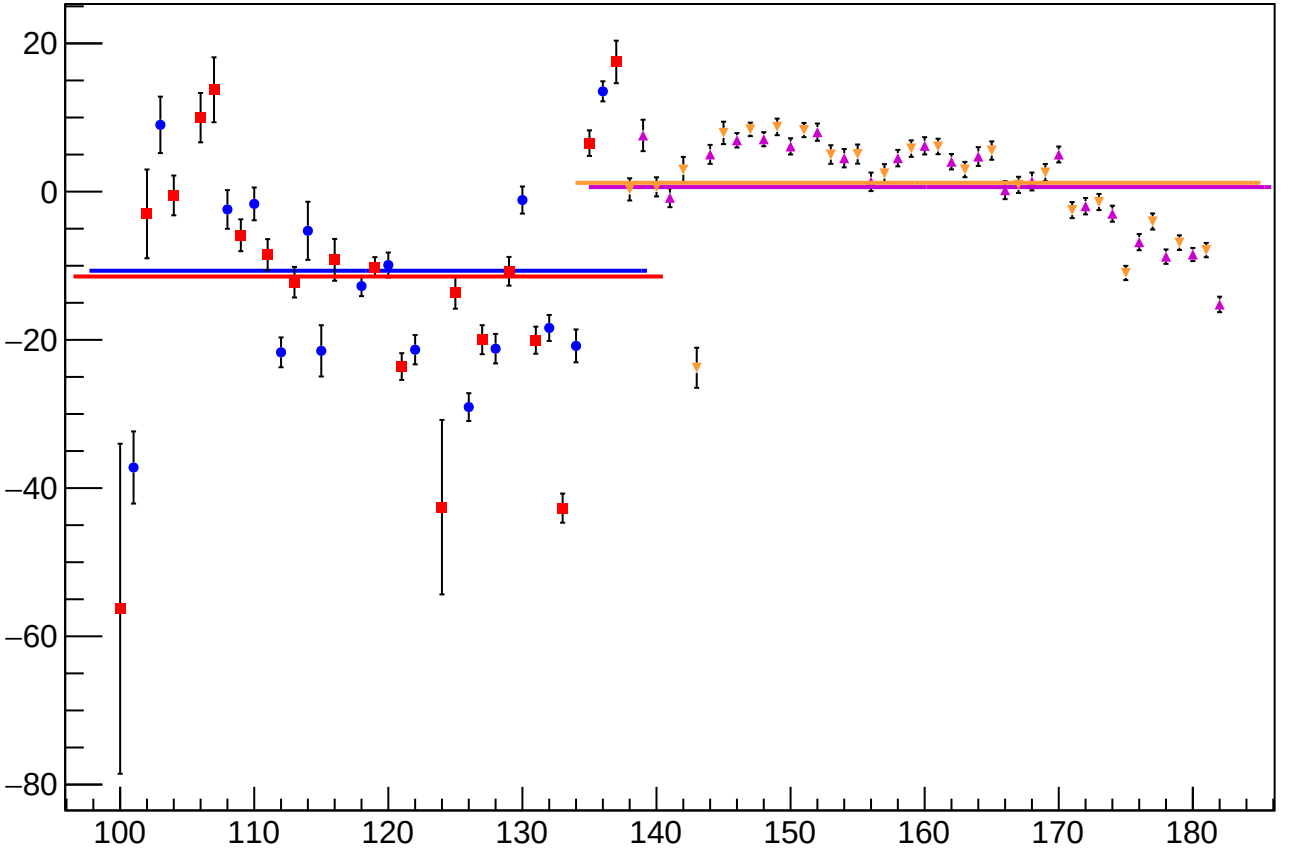
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.523+/-0.237 χ^2/NDF:8833.8/37

Out: -21.055+/-0.241 χ^2/NDF:11949.3/41

All: -21.293+/-0.169 χ^2/NDF: 20785.1/79

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 1.190+/-0.239 χ^2/NDF:699.4/22

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 0.614+/-0.239 χ^2/NDF:749.9/21

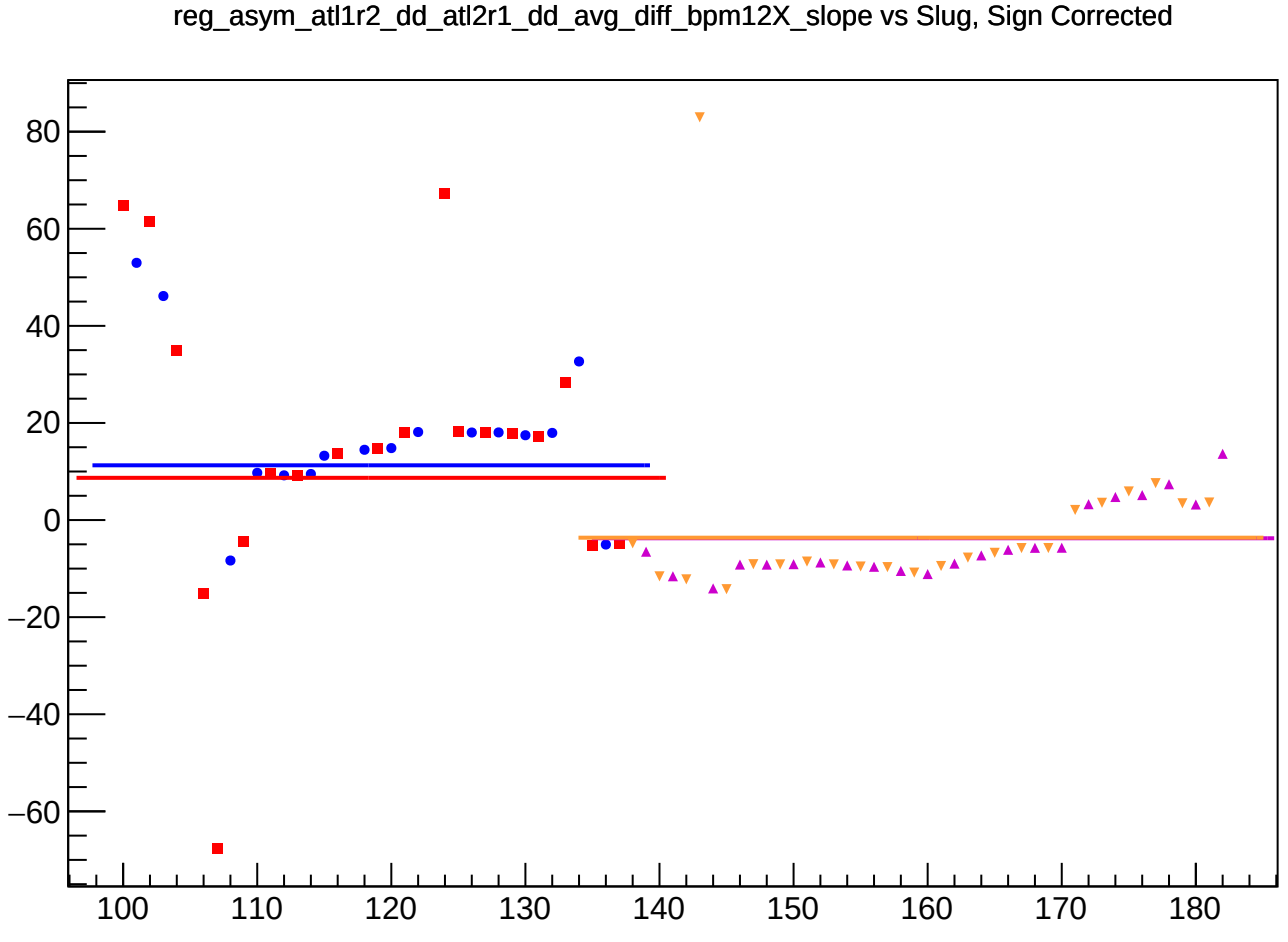
Left: 0.902+/-0.169 χ^2/NDF: 1452.2/44

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -1.446+/-0.216 χ^2/NDF:1824.1/37

Out: -1.040+/-0.217 χ^2/NDF:1859.2/41

All: -1.244+/-0.153 χ^2/NDF: 3685.1/79



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -3.633+/-0.011 χ^2/NDF:786501.8/22

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -3.751+/-0.011 χ^2/NDF:493855.1/21

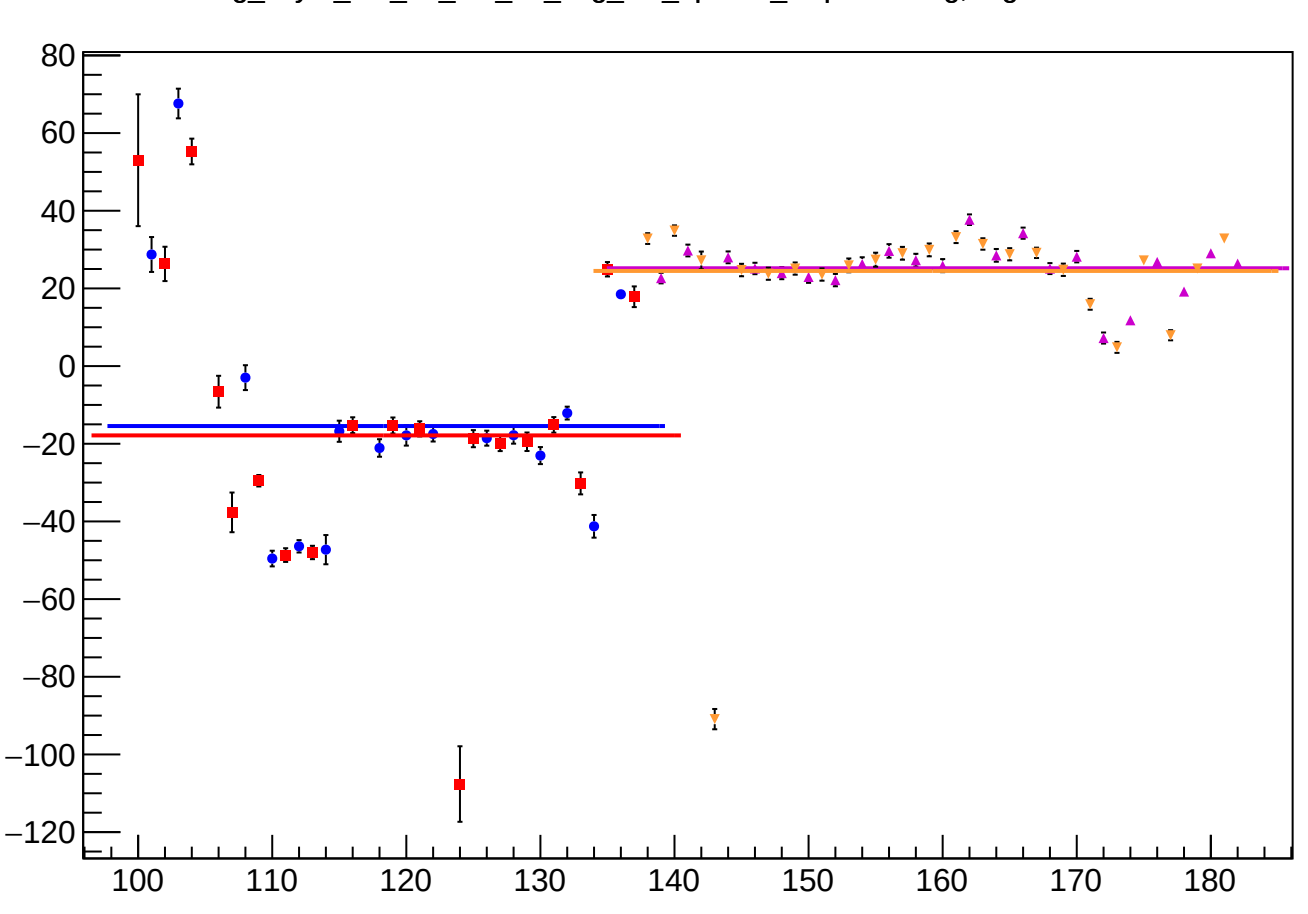
Left: -3.693+/-0.008 χ^2/NDF: 1280419.4/44

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -2.092+/-0.010 χ^2/NDF:1067607.1/37

Out: -2.345+/-0.010 χ^2/NDF:1360572.1/41

All: -2.216+/-0.007 χ^2/NDF: 2428494.4/79



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.502+/-0.297 χ^2/NDF:2634.5/22

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.190+/-0.291 χ^2/NDF:491.0/21

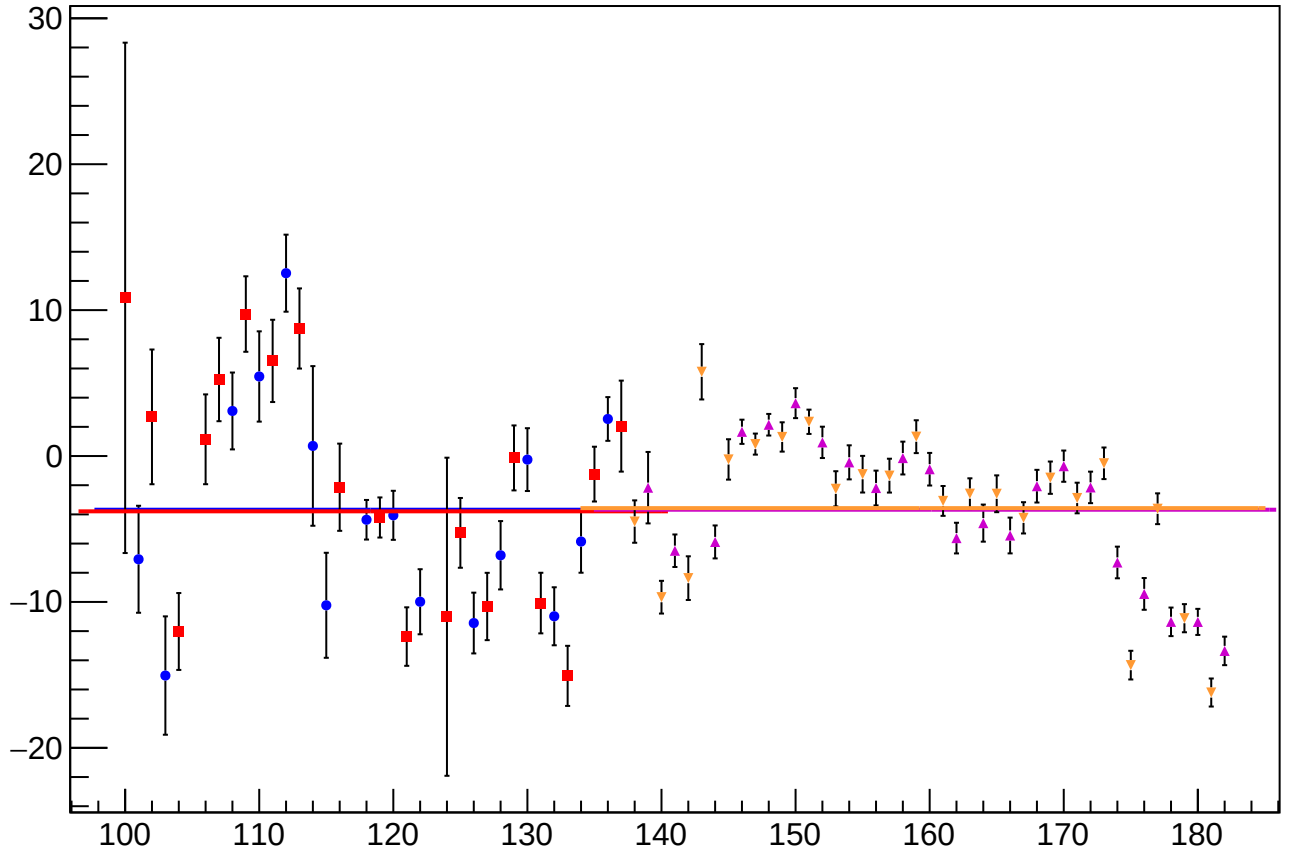
Left: 24.853+/-0.208 χ^2/NDF: 3128.3/44

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 16.005+/-0.256 χ^2/NDF:7011.7/37

Out: 14.354+/-0.259 χ^2/NDF:9621.4/41

All: 15.189+/-0.182 χ^2/NDF: 16653.6/79



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -3.571+/-0.225 χ^2/NDF:576.8/22

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -3.680+/-0.226 χ^2/NDF:499.3/21

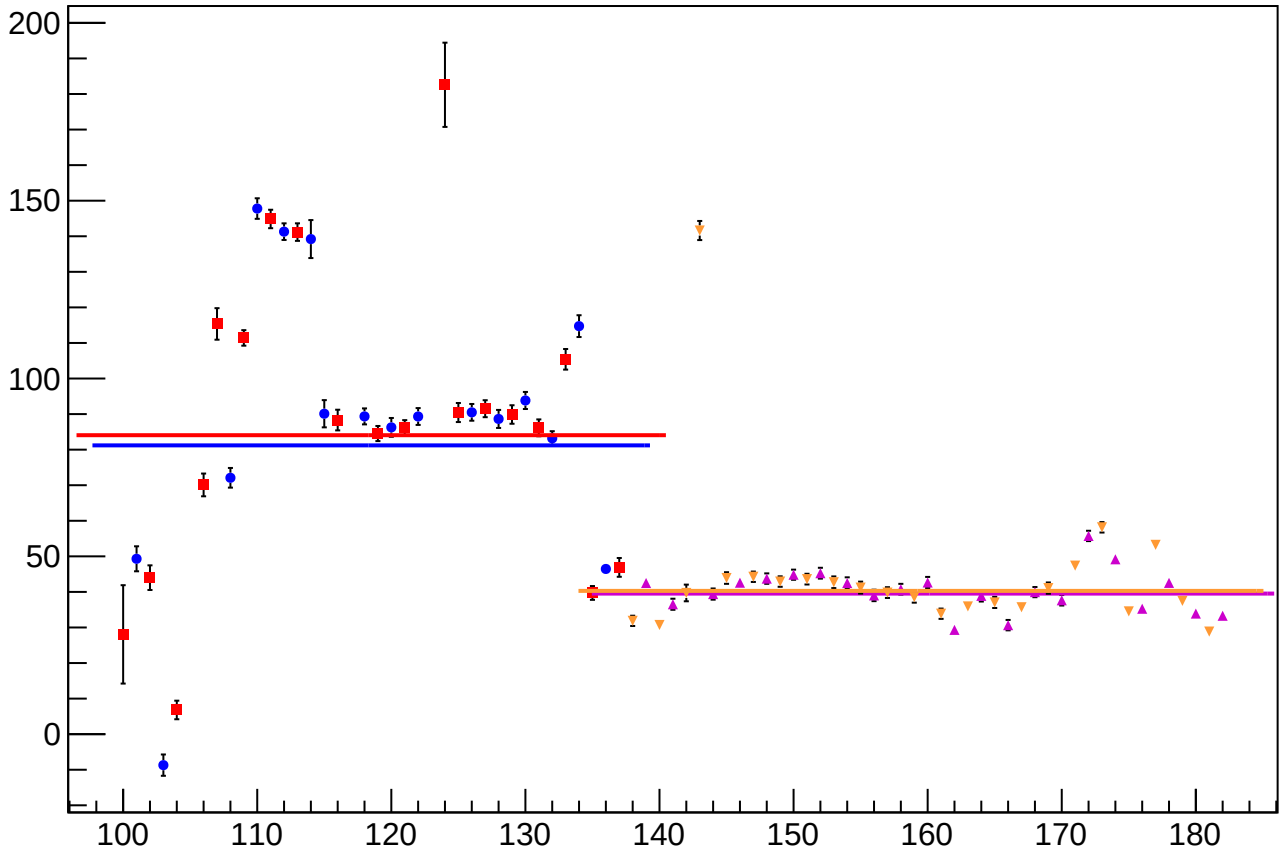
Left: -3.625+/-0.159 χ^2/NDF: 1076.1/44

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.680+/-0.209 χ^2/NDF:623.3/37

Out: -3.601+/-0.209 χ^2/NDF:738.1/41

All: -3.640+/-0.148 χ^2/NDF: 1361.4/79



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 40.289+/-0.294 χ^2/NDF:2042.6/22

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.529+/-0.288 χ^2/NDF:431.8/21

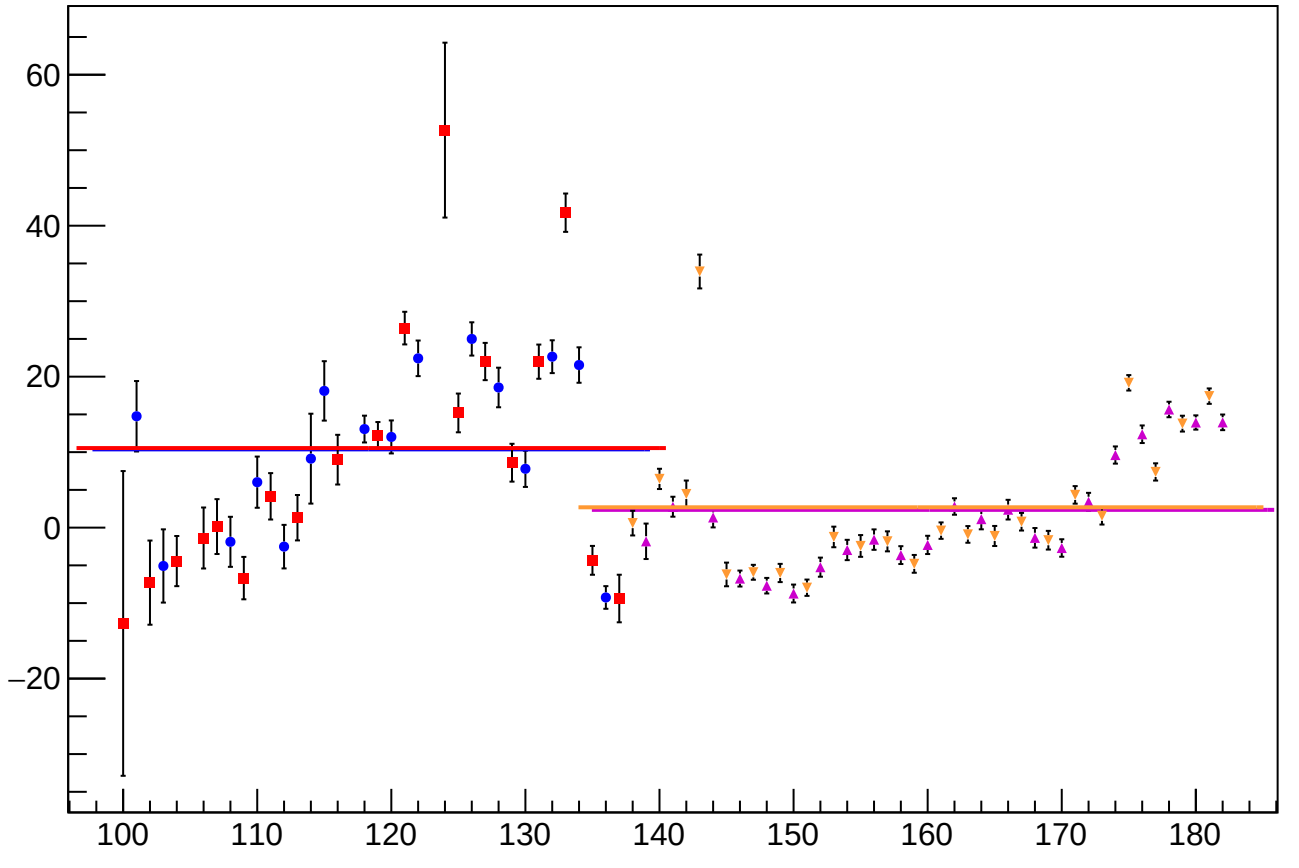
Left: 39.902+/-0.206 χ^2/NDF: 2477.7/44

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 47.207+/-0.261 χ^2/NDF:7506.7/37

Out: 48.412+/-0.265 χ^2/NDF:9358.6/41

All: 47.798+/-0.186 χ^2/NDF: 16875.8/79



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 2.692+/-0.255 χ^2/NDF:1175.6/22

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 2.355+/-0.254 χ^2/NDF:948.1/21

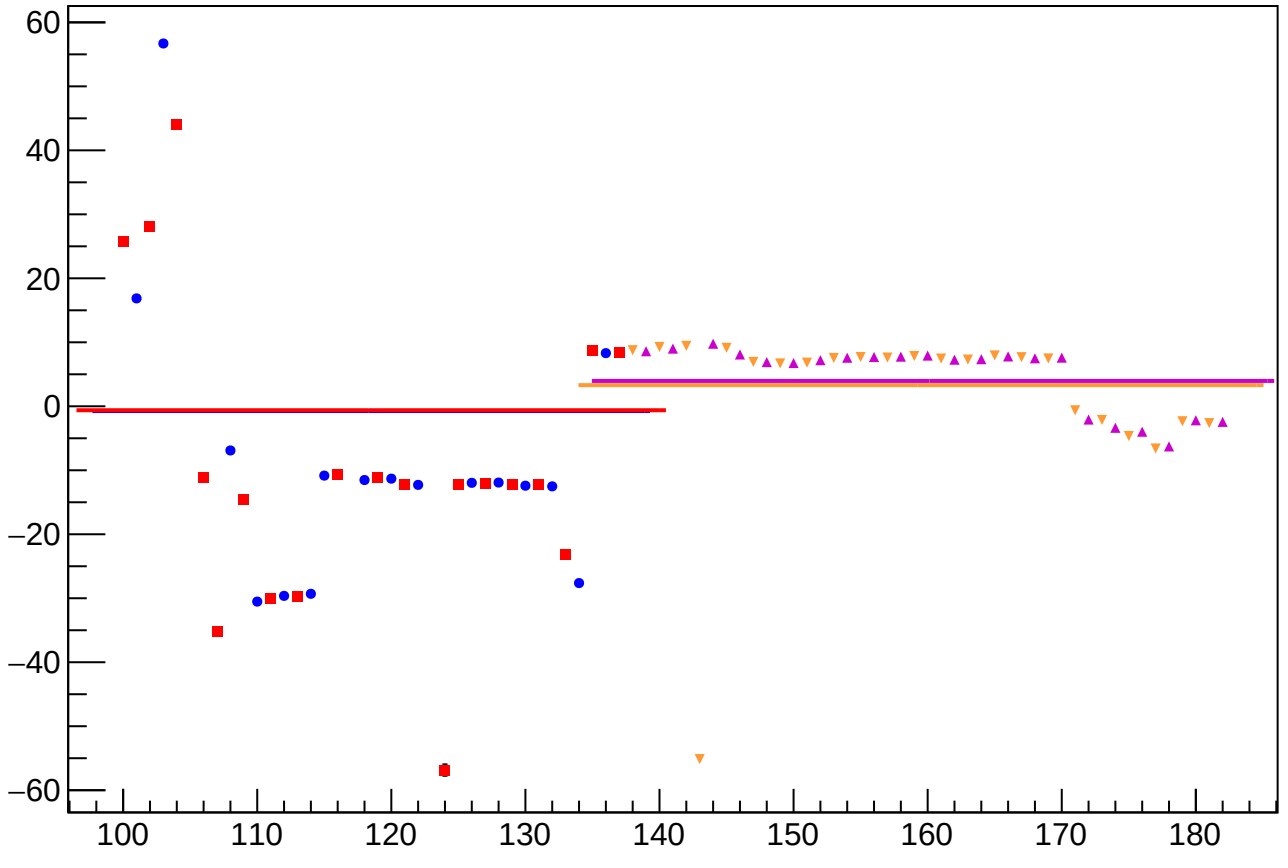
Left: 2.523+/-0.180 χ^2/NDF: 2124.5/44

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 3.484+/-0.235 χ^2/NDF:1448.4/37

Out: 3.765+/-0.237 χ^2/NDF:1776.0/41

All: 3.623+/-0.167 χ^2/NDF: 3225.1/79



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 3.304+/-0.011 χ^2/NDF:494519.4/22

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 3.963+/-0.011 χ^2/NDF:226332.8/21

Left: 3.640+/-0.008 χ^2/NDF: 722543.7/44

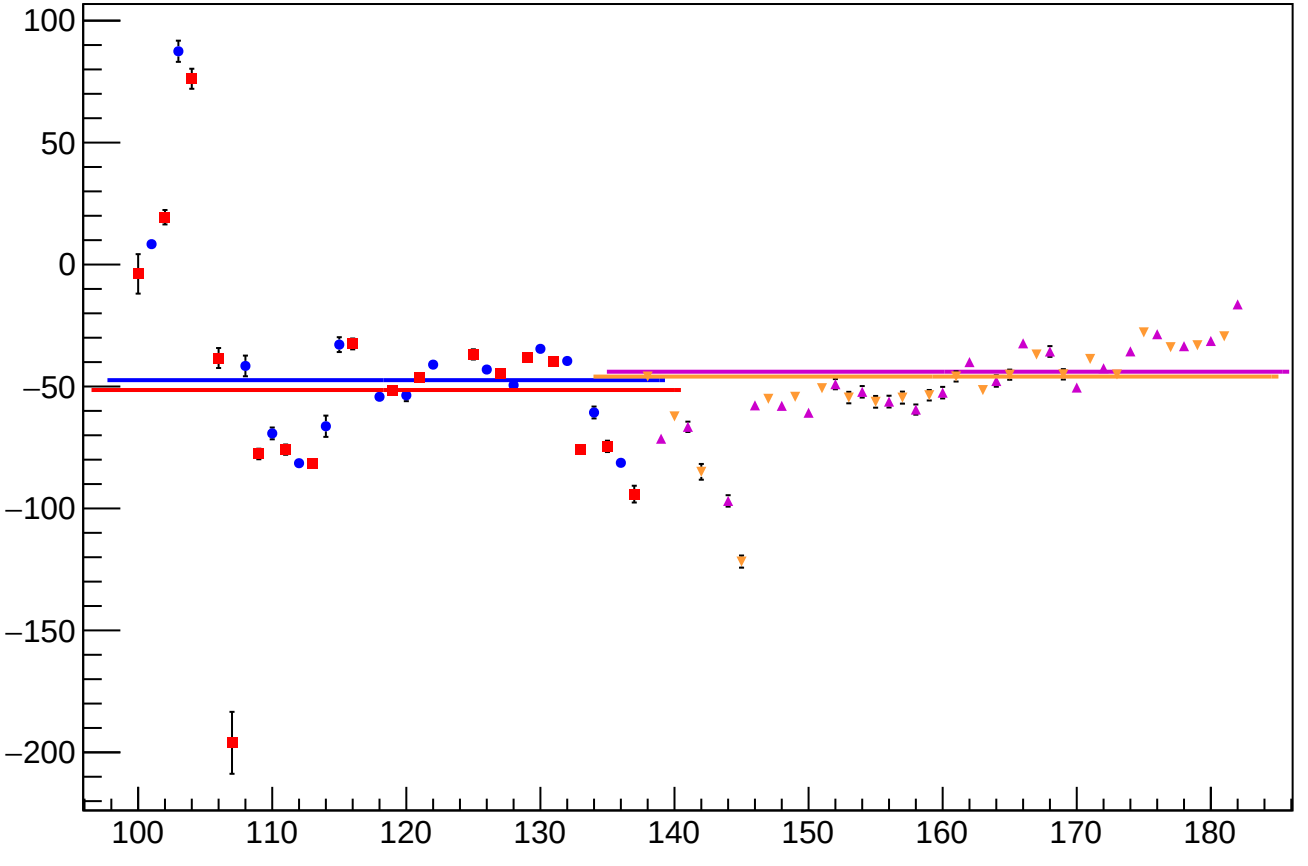
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 3.543+/-0.011 χ^2/NDF:610011.1/37

Out: 2.966+/-0.011 χ^2/NDF:821096.2/41

All: 3.261+/-0.008 χ^2/NDF: 1432527.9/79

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -45.935+/-0.405 χ^2/NDF:1763.4/21

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -43.937+/-0.388 χ^2/NDF:2087.0/21

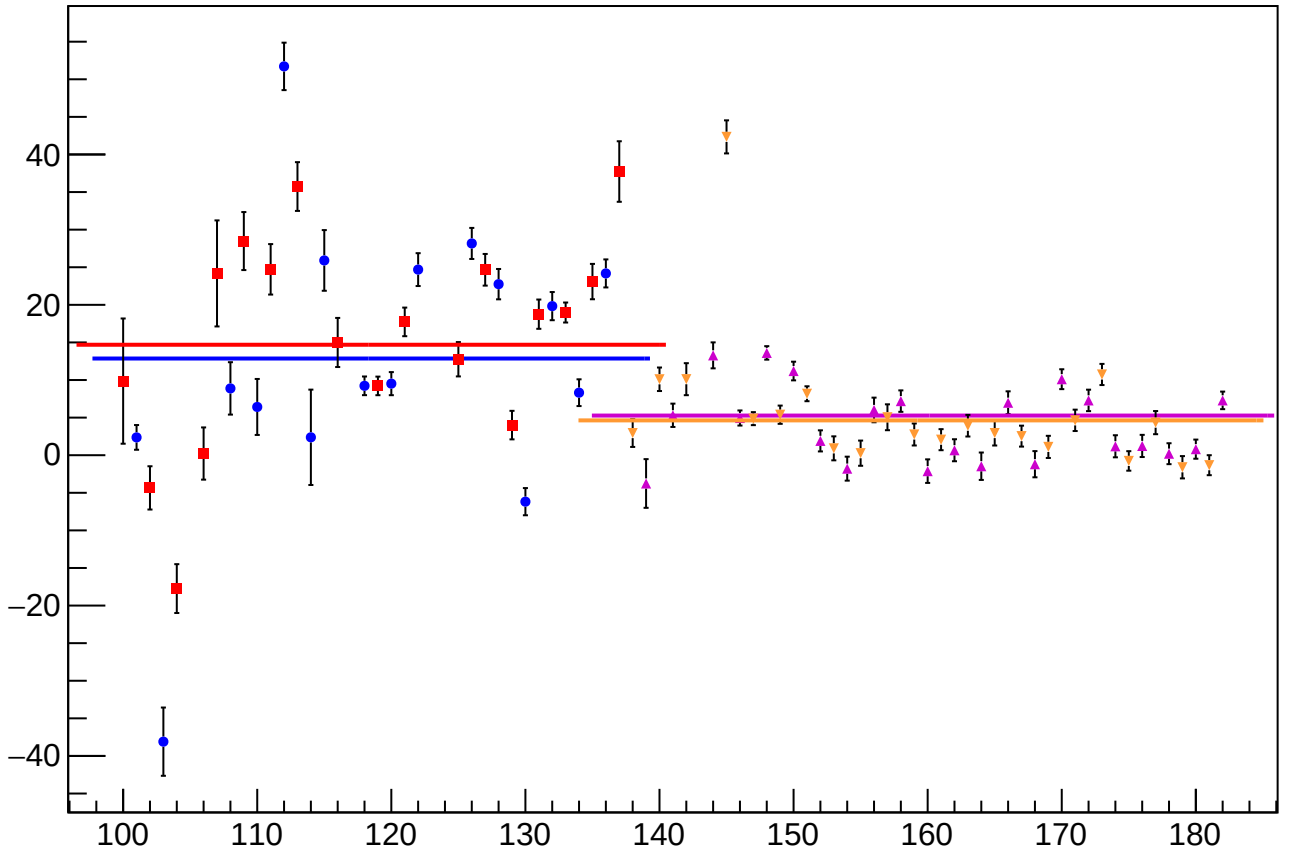
Left: -44.895+/-0.280 χ^2/NDF: 3863.1/43

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -45.131+/-0.314 χ^2/NDF:4883.4/37

Out: -47.891+/-0.325 χ^2/NDF:4701.9/39

All: -46.465+/-0.226 χ^2/NDF: 9622.7/77



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 4.631+/-0.300 χ^2/NDF:427.3/21

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 5.272+/-0.298 χ^2/NDF:286.2/21

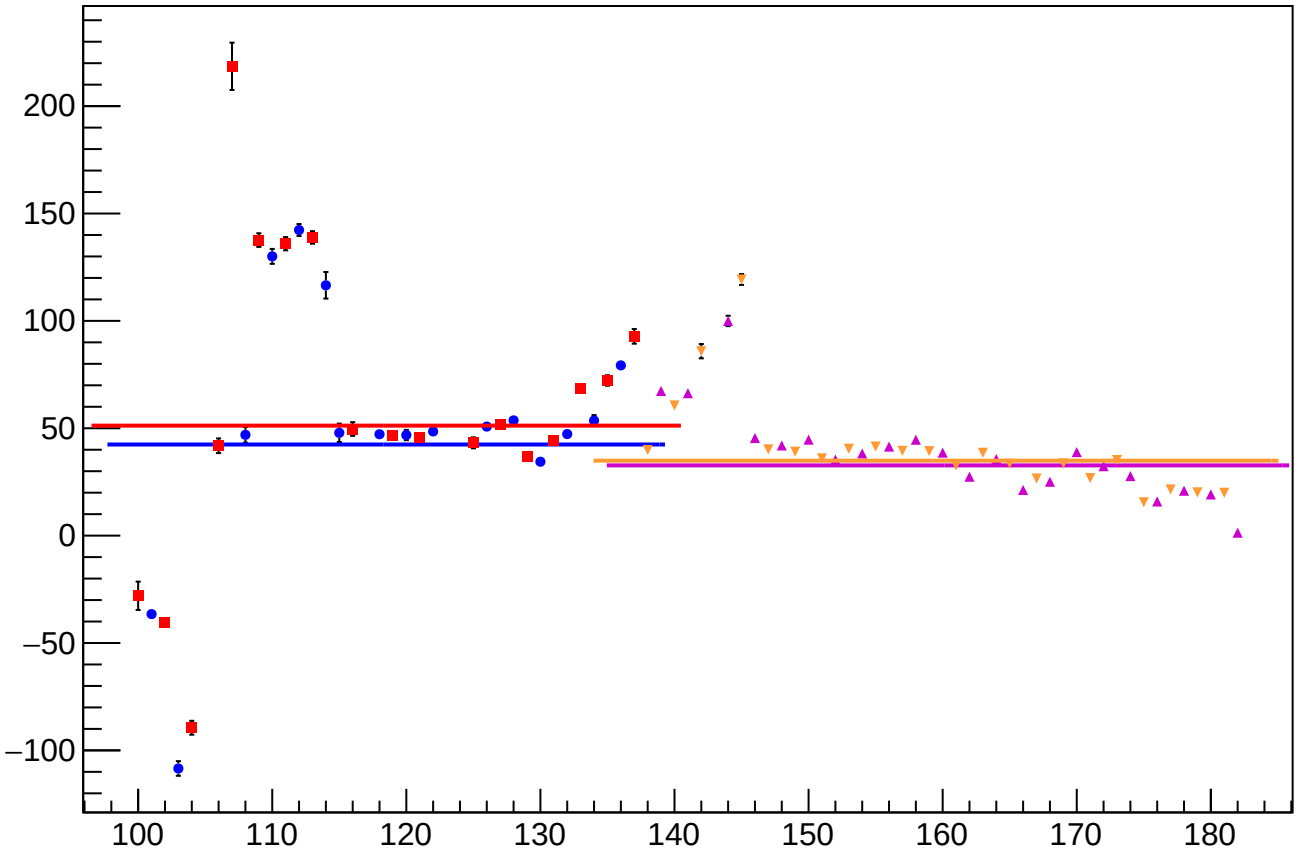
Left: 4.954+/-0.211 χ^2/NDF: 715.8/43

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 7.151+/-0.258 χ^2/NDF:1072.7/37

Out: 6.979+/-0.263 χ^2/NDF:1053.3/39

All: 7.067+/-0.184 χ^2/NDF: 2126.2/77



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 34.906+/-0.399 χ^2/NDF:2101.3/21

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 32.706+/-0.384 χ^2/NDF:2625.9/21

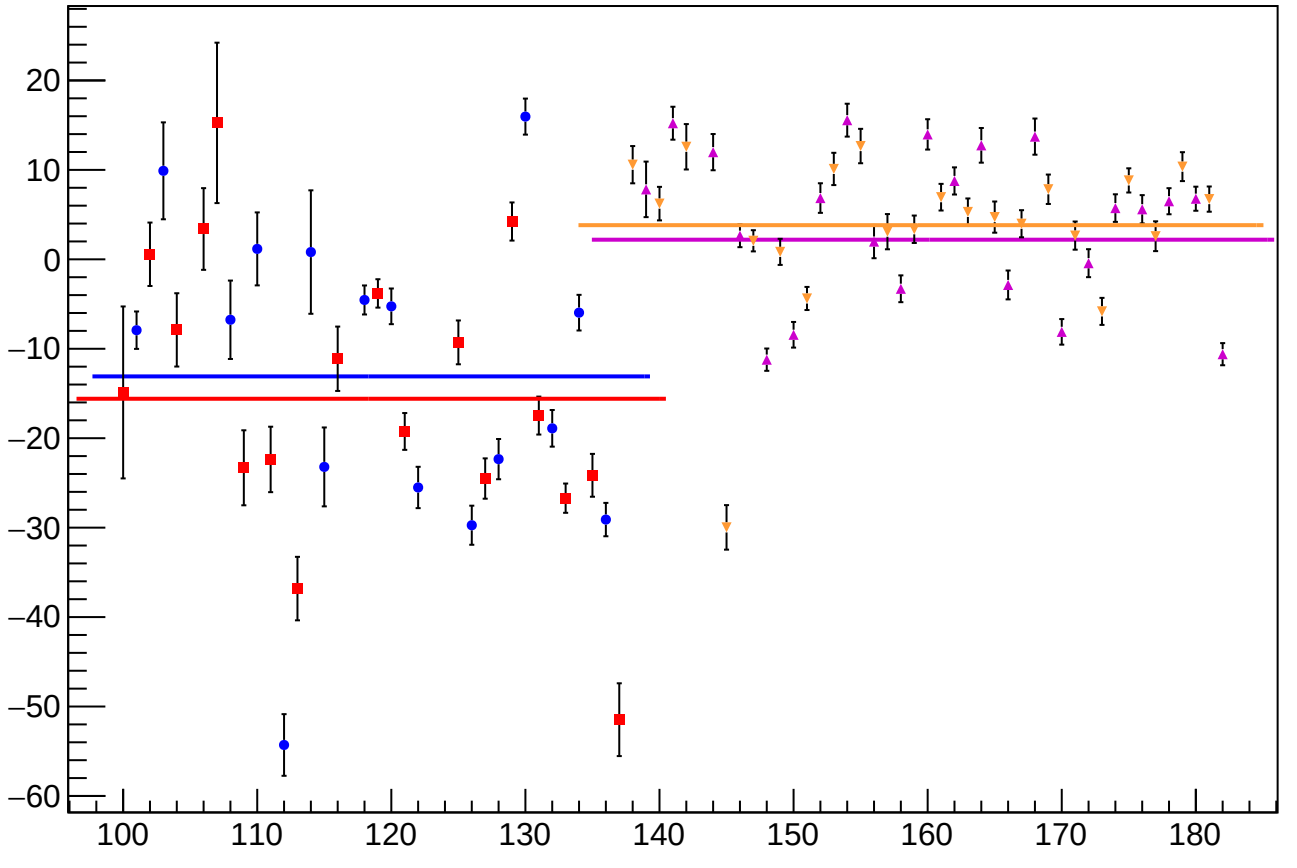
Left: 33.763+/-0.277 χ^2/NDF: 4742.9/43

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 35.643+/-0.321 χ^2/NDF:9988.4/37

Out: 39.751+/-0.335 χ^2/NDF:9208.0/39

All: 37.610+/-0.232 χ^2/NDF: 19274.8/77



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.820+/-0.342 χ^2/NDF:376.3/21

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.195+/-0.336 χ^2/NDF:652.4/21

Left: 2.992+/-0.240 χ^2/NDF: 1040.1/43

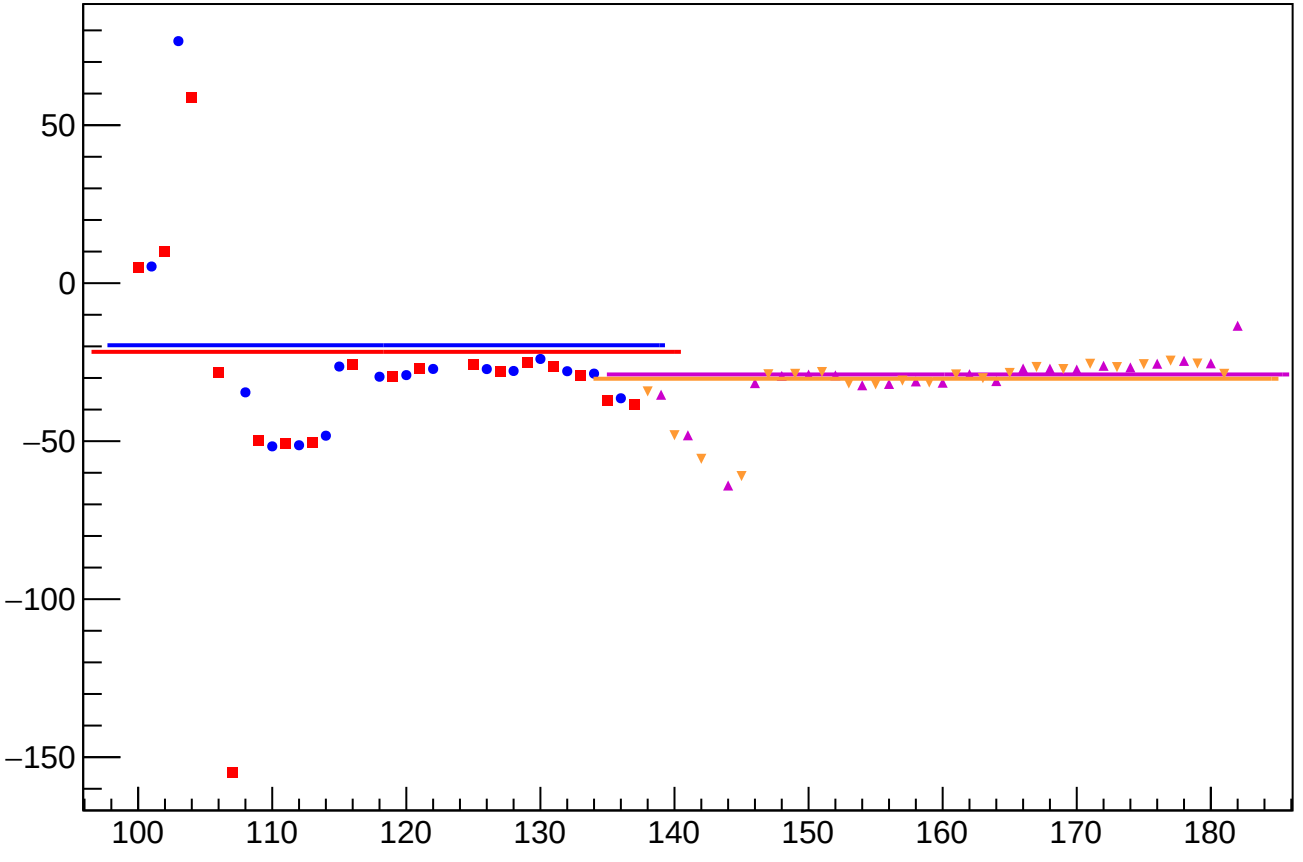
Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -1.460+/-0.293 χ^2/NDF:1786.5/37

Out: -0.640+/-0.300 χ^2/NDF:1516.6/39

All: -1.060+/-0.210 χ^2/NDF: 3306.9/77

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -30.244+/-0.016 χ^2/NDF:211597.2/21

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -28.886+/-0.015 χ^2/NDF:262586.0/21

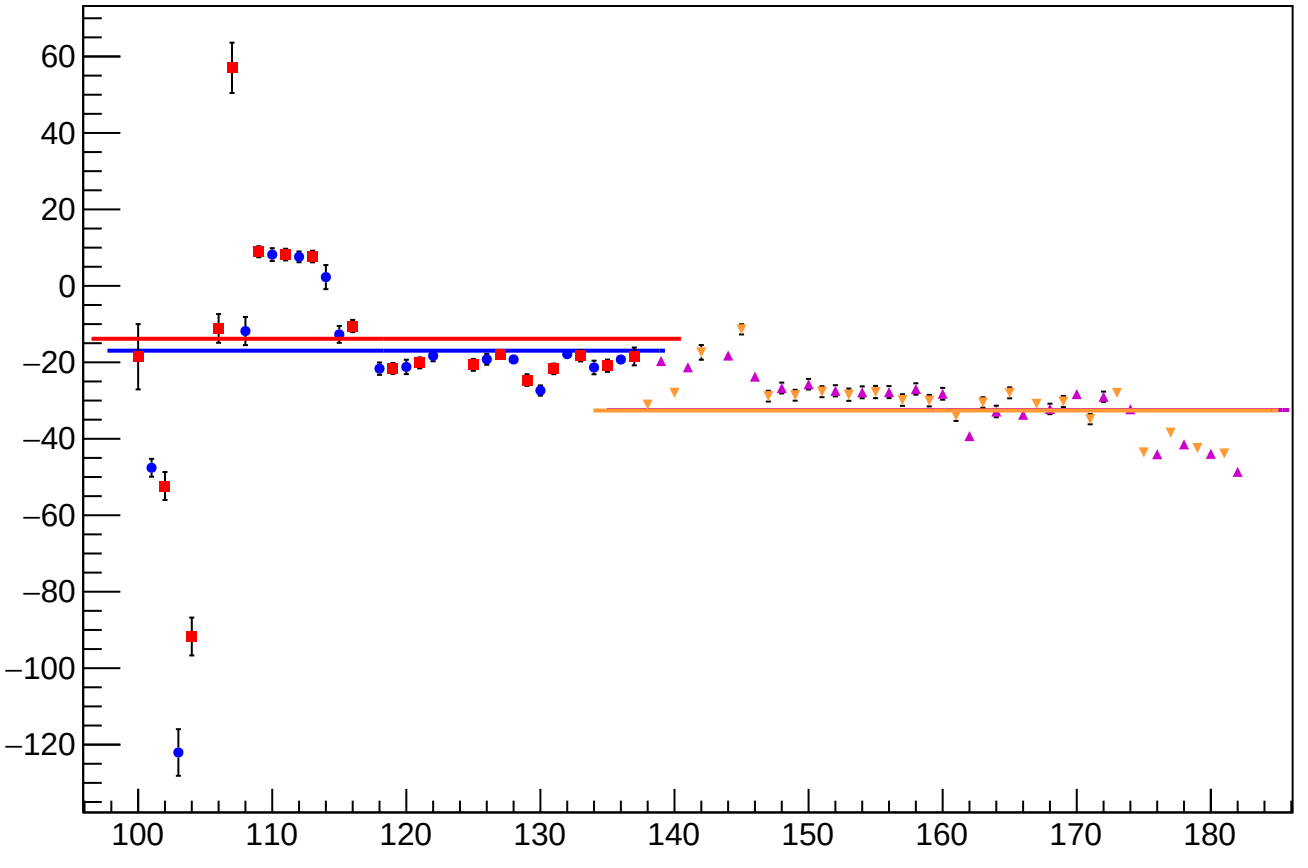
Left: -29.540+/-0.011 χ^2/NDF: 478124.1/43

Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -27.524+/-0.014 χ^2/NDF:965359.2/37

Out: -29.067+/-0.014 χ^2/NDF:799565.6/39

All: -28.263+/-0.010 χ^2/NDF: 1770860.3/77



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -32.599+/-0.276 χ^2/NDF:819.9/21

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -32.463+/-0.272 χ^2/NDF:1096.0/21

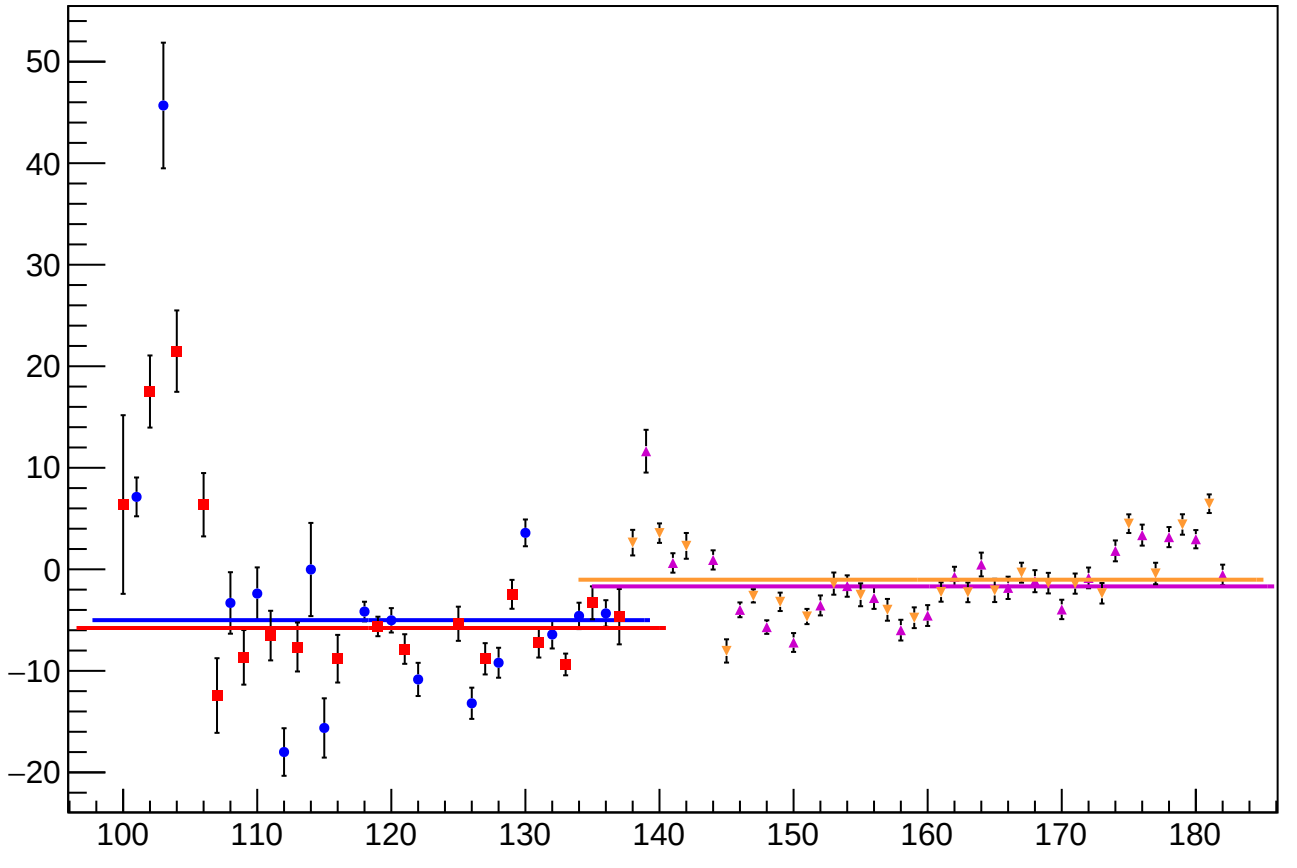
Left: -32.530+/-0.194 χ^2/NDF: 1916.1/43

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -27.629+/-0.225 χ^2/NDF:3240.1/37

Out: -26.722+/-0.229 χ^2/NDF:3596.8/39

All: -27.183+/-0.161 χ^2/NDF: 6844.9/77



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -1.022+/-0.208 χ^2/NDF:272.4/21

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -1.681+/-0.208 χ^2/NDF:263.6/21

Left: -1.351+/-0.147 χ^2/NDF: 541.0/43

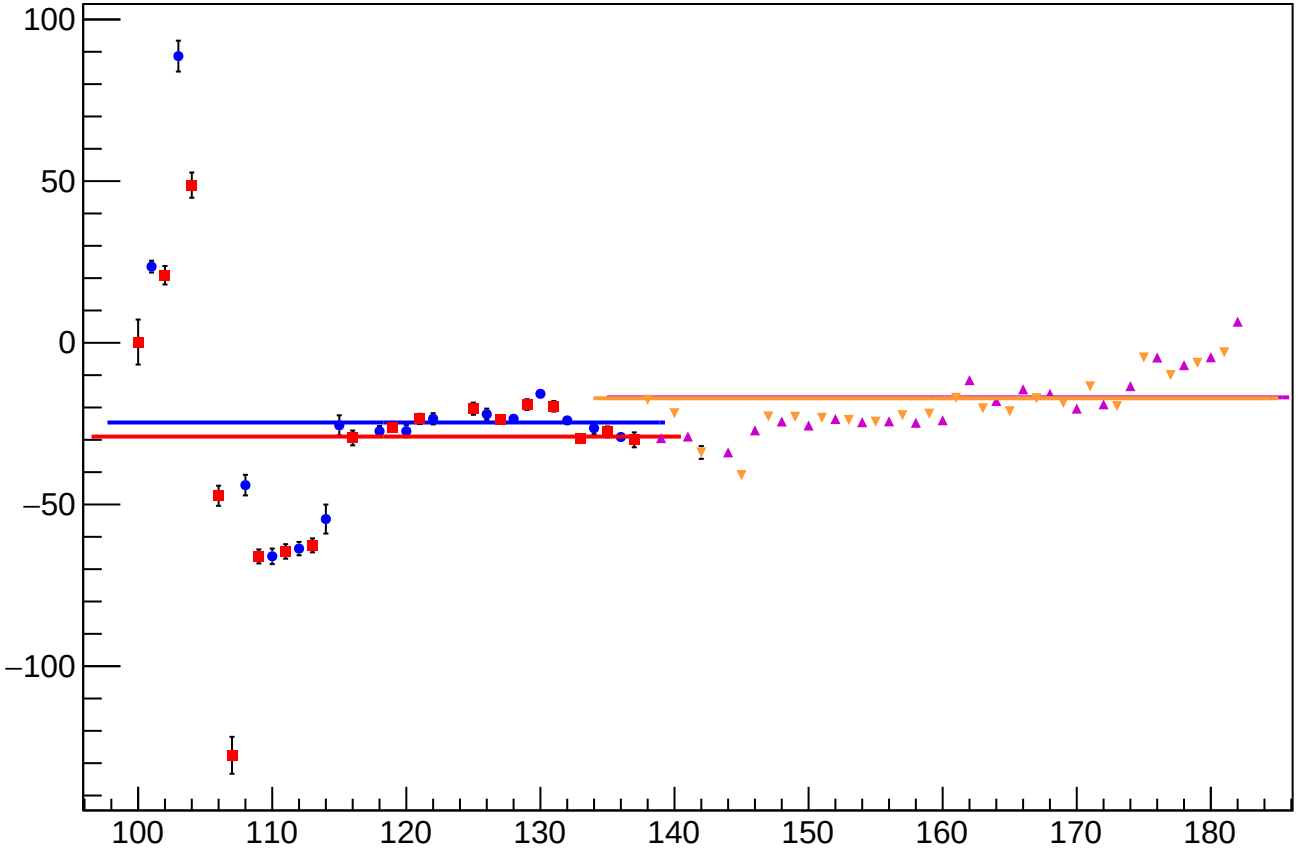
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -2.387+/-0.185 χ^2/NDF:565.4/37

Out: -1.961+/-0.186 χ^2/NDF:515.0/39

All: -2.176+/-0.131 χ^2/NDF: 1083.0/77

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: -17.144+/-0.273 χ^2/NDF:1110.5/21

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -16.878+/-0.269 χ^2/NDF:1595.3/21

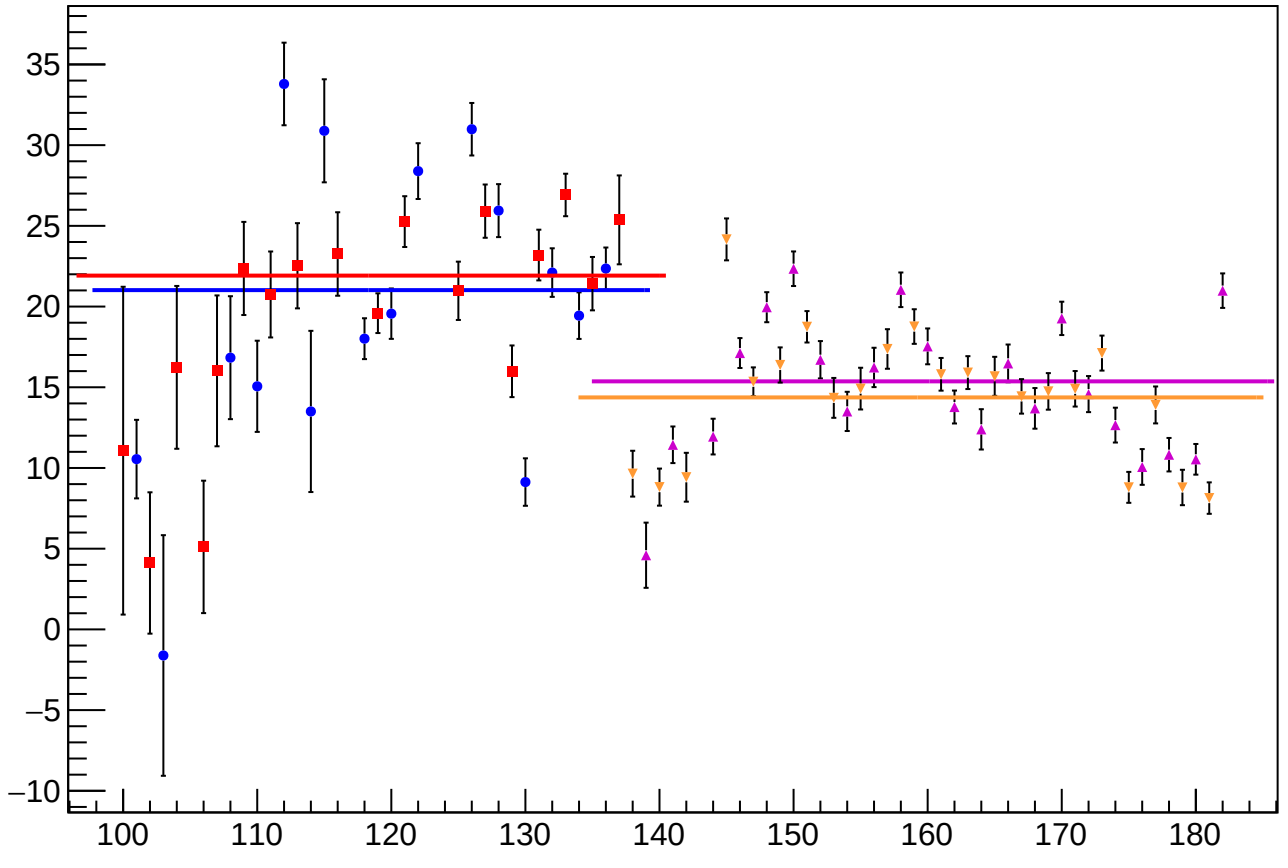
Left: -17.009+/-0.192 χ^2/NDF: 2706.3/43

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -18.887+/-0.231 χ^2/NDF:3863.0/37

Out: -20.092+/-0.237 χ^2/NDF:3530.7/39

All: -19.475+/-0.166 χ^2/NDF: 7407.0/77



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 14.372+/-0.236 χ^2/NDF:262.9/21

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 15.366+/-0.235 χ^2/NDF:283.9/21

Left: 14.871+/-0.167 χ^2/NDF: 555.7/43

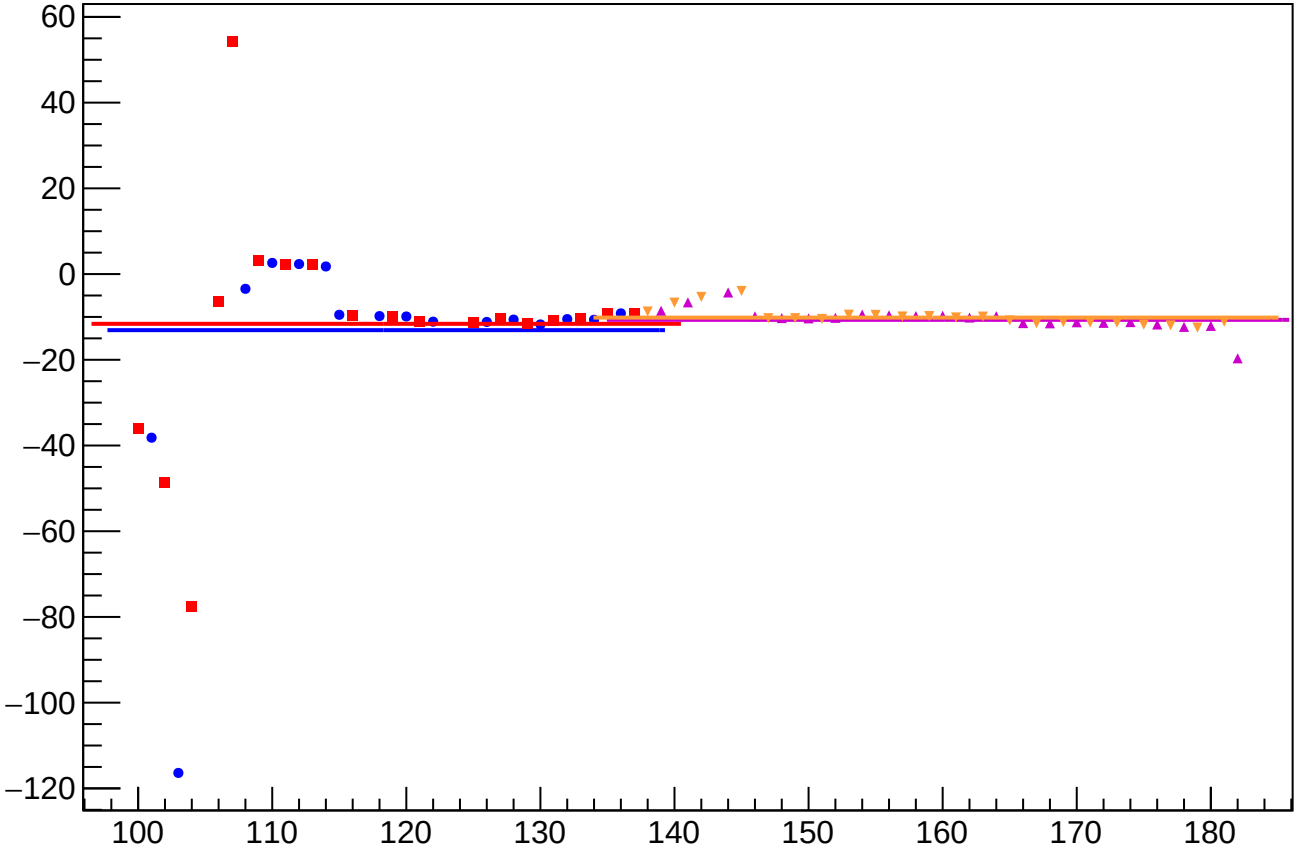
Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 16.544+/-0.209 χ^2/NDF:614.0/37

Out: 15.850+/-0.212 χ^2/NDF:545.5/39

All: 16.202+/-0.149 χ^2/NDF: 1165.0/77

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -10.159+/-0.011 χ^2/NDF:30970.8/21

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -10.680+/-0.010 χ^2/NDF:61884.4/21

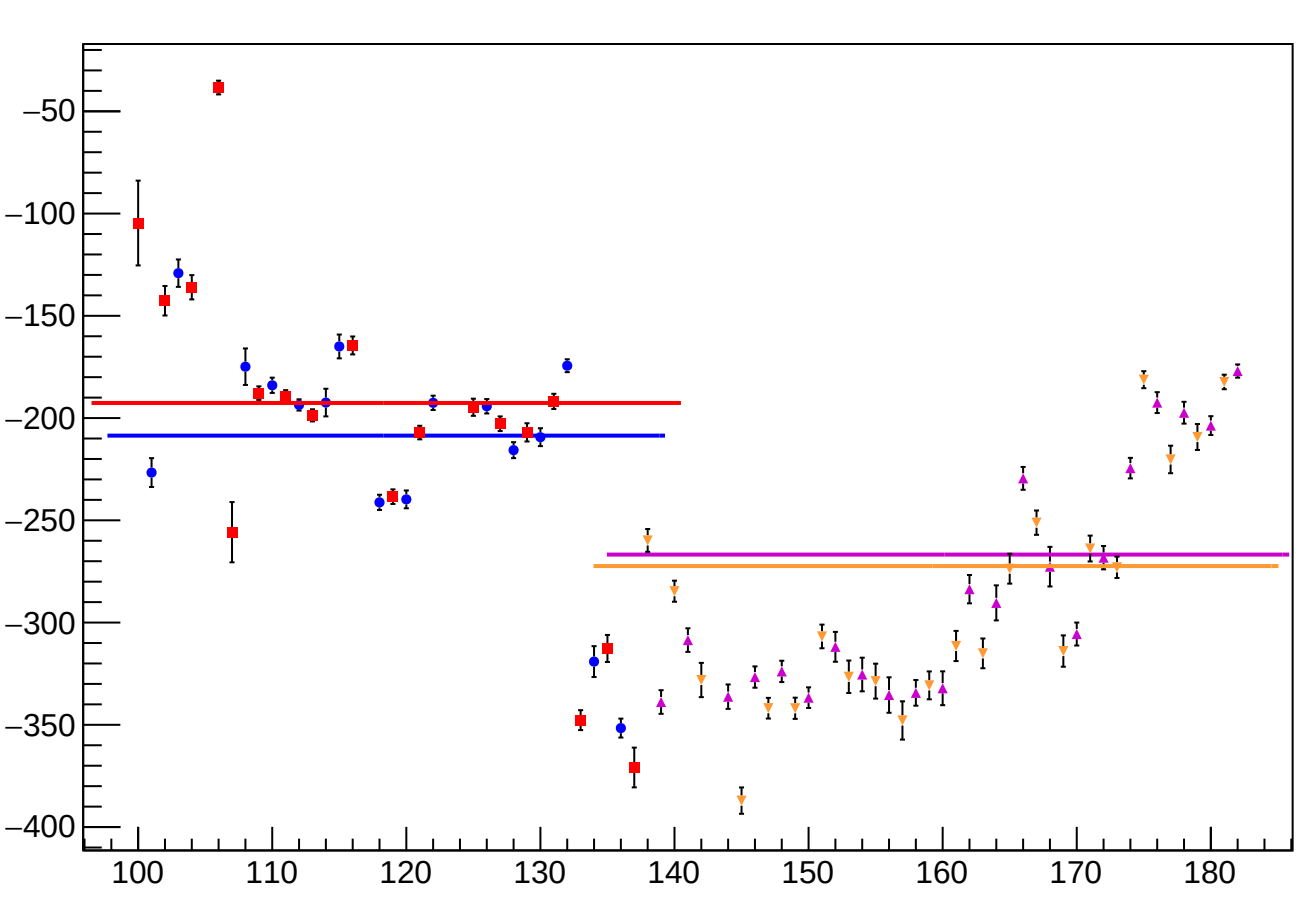
Left: -10.425+/-0.007 χ^2/NDF: 94080.0/43

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.964+/-0.010 χ^2/NDF:413150.2/37

Out: -10.313+/-0.010 χ^2/NDF:347126.6/39

All: -10.648+/-0.007 χ^2/NDF: 762438.8/77



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -272.364+/-1.266 χ^2/NDF:2395.1/21

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -266.751+/-1.210 χ^2/NDF:2635.2/21

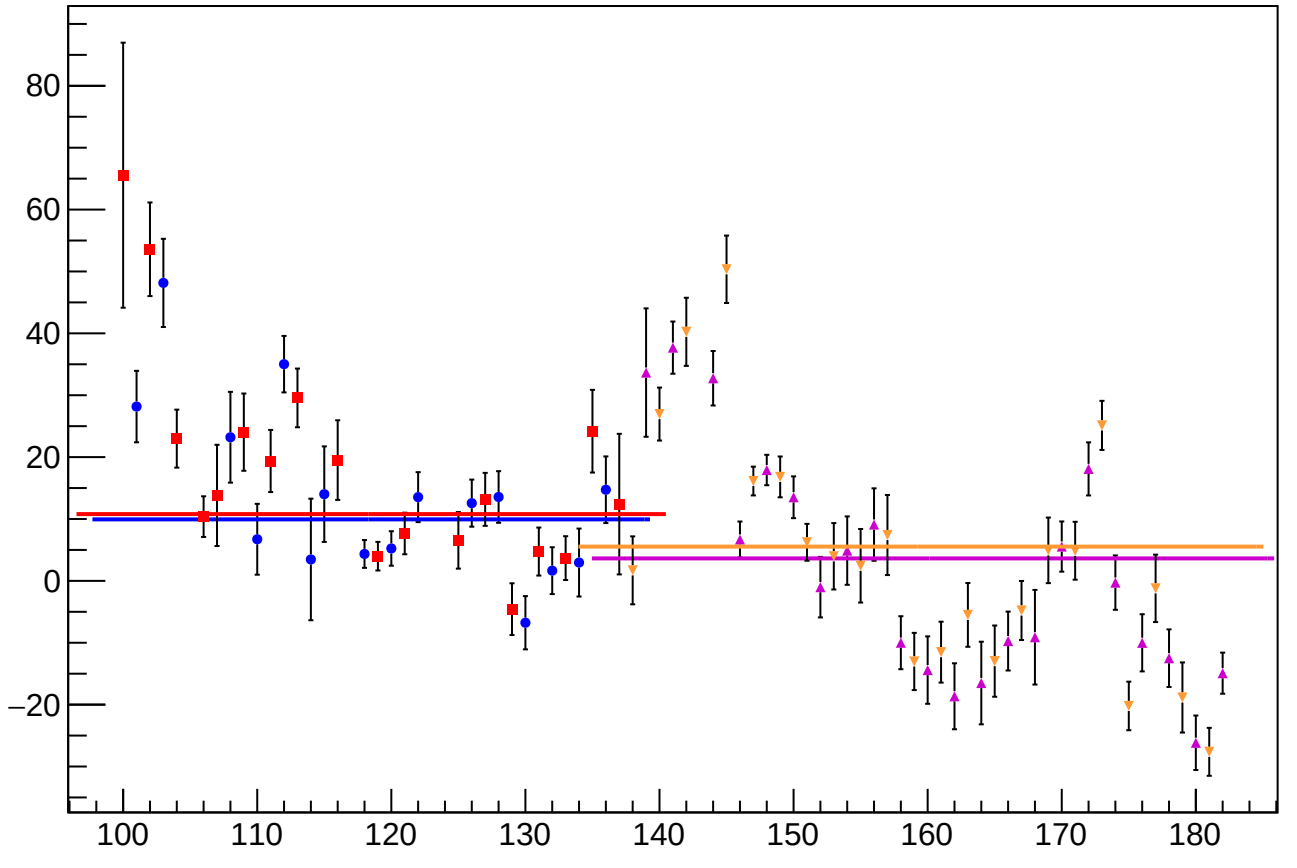
Left: -269.431+/-0.875 χ^2/NDF: 5040.6/43

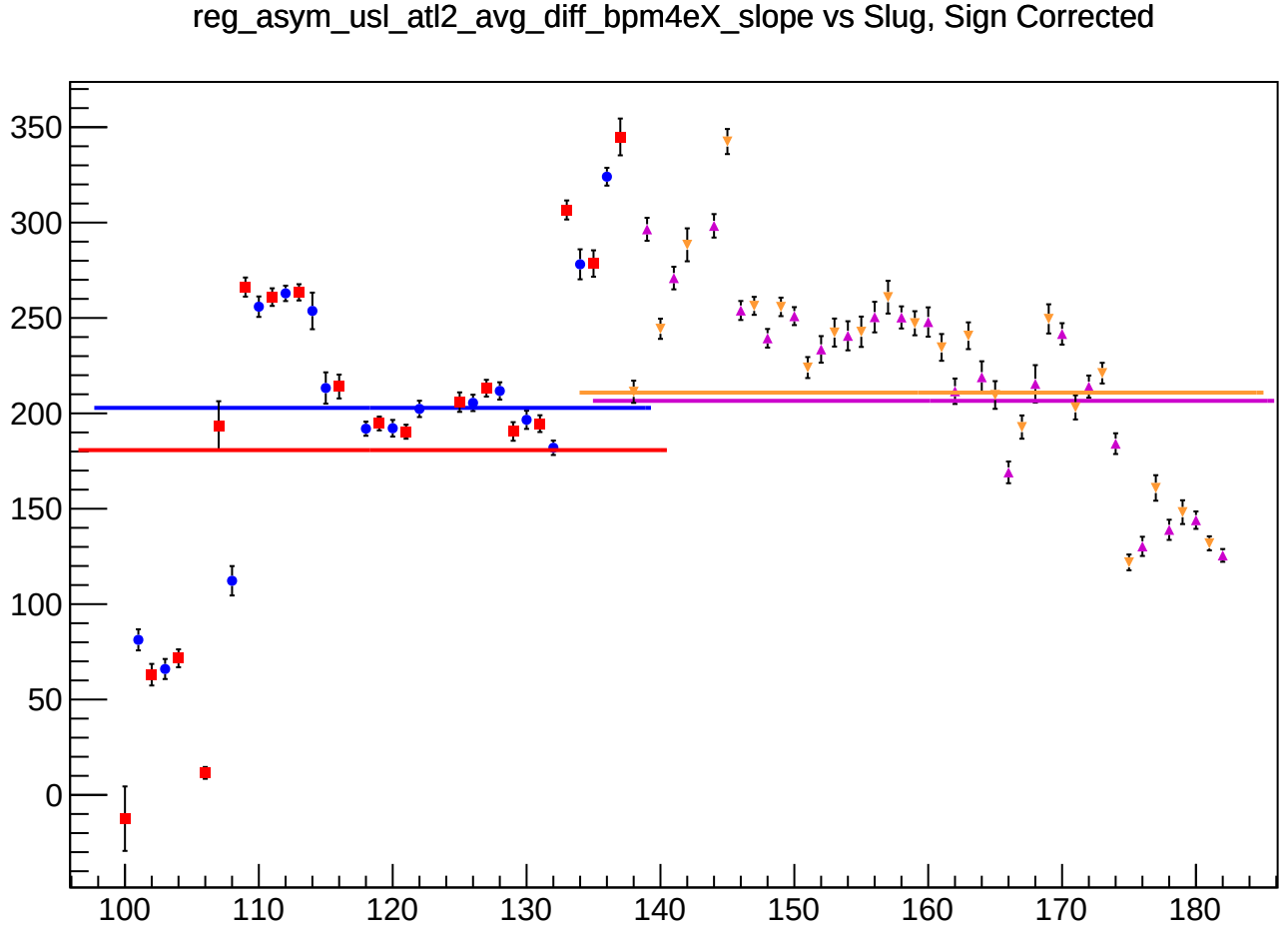
Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -234.024+/-0.800 χ^2/NDF:5687.2/37

Out: -223.222+/-0.784 χ^2/NDF:9048.5/39

All: -228.515+/-0.560 χ^2/NDF: 14828.7/77


reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
Right In: 9.938+/-1.065 χ²/NDF: 106.6/15
Left Out: 5.538+/-0.924 χ²/NDF:374.5/21
Right Out: 10.788+/-1.044 χ²/NDF: 105.1/17
Left In: 3.628+/-0.912 χ²/NDF:331.0/21
Left: 4.571+/-0.649 χ²/NDF: 707.7/43
Right: 10.372+/-0.746 χ²/NDF: 212.0/33
In: 6.297+/-0.693 χ²/NDF:457.8/37
Out: 7.844+/-0.692 χ²/NDF:493.7/39
All: 7.072+/-0.490 χ²/NDF: 954.1/77



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 210.874+/-1.252 χ^2/NDF:1955.8/21

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 206.563+/-1.199 χ^2/NDF:2208.9/21

Left: 208.626+/-0.866 χ^2/NDF: 4170.9/43

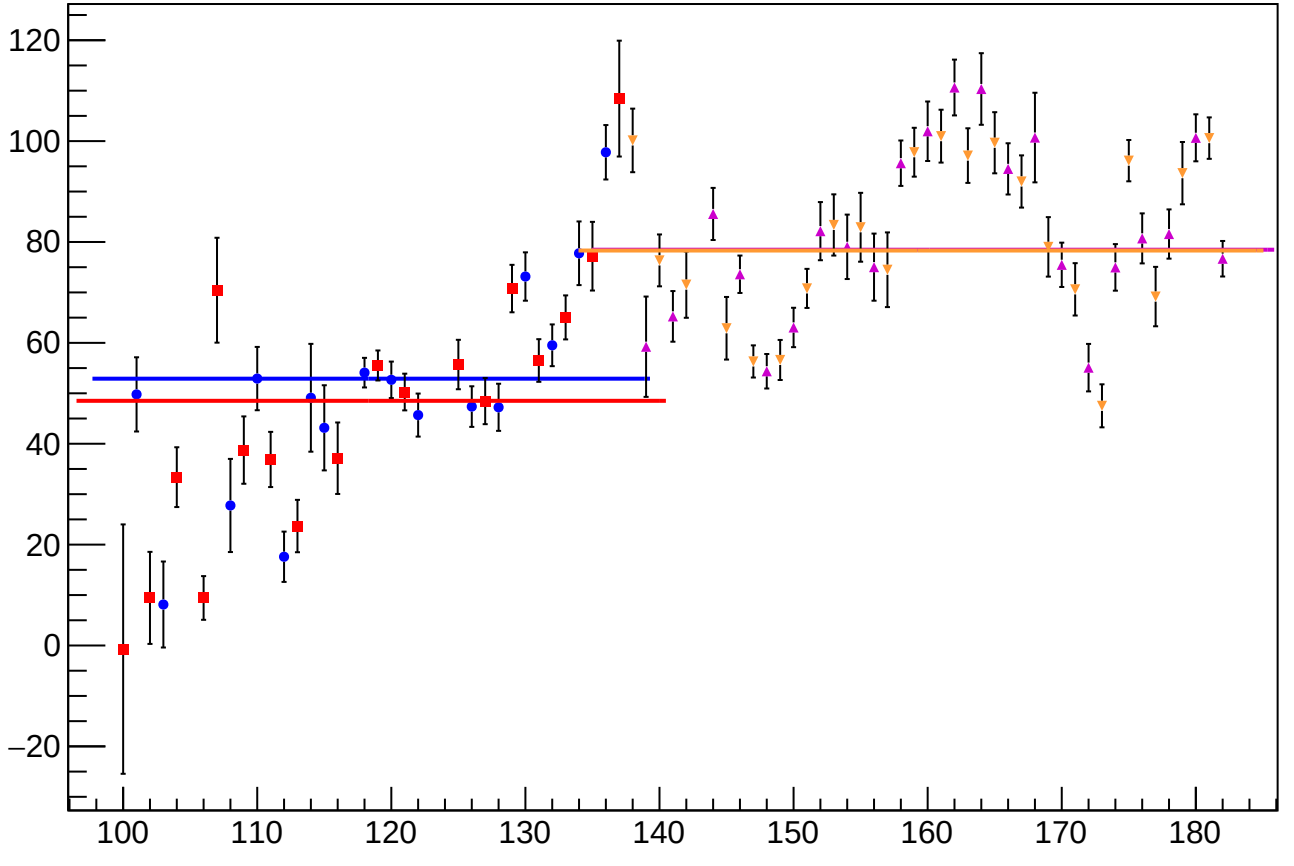
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 204.758+/-0.857 χ^2/NDF:4677.8/37

Out: 194.443+/-0.844 χ^2/NDF:8619.7/39

All: 199.523+/-0.602 χ^2/NDF: 13371.0/77

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: 78.308+/-1.066 χ^2/NDF:279.7/21

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 78.469+/-1.041 χ^2/NDF:230.0/21

Left: 78.390+/-0.745 χ^2/NDF: 509.7/43

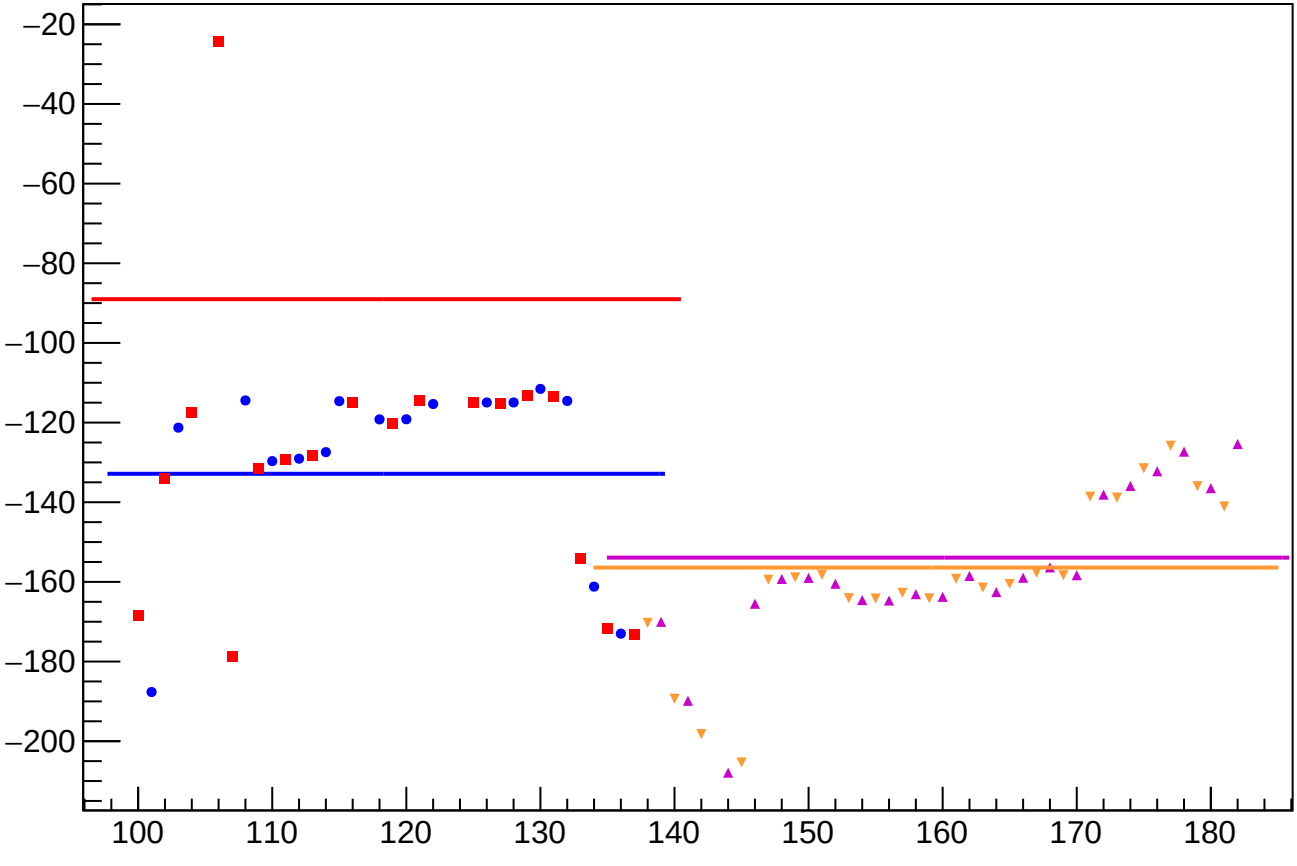
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 67.917+/-0.798 χ^2/NDF:677.5/37

Out: 65.337+/-0.801 χ^2/NDF:859.7/39

All: 66.633+/-0.565 χ^2/NDF: 1542.4/77

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -156.401+/-0.050 χ^2/NDF:137084.9/21

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -153.908+/-0.047 χ^2/NDF:157553.1/21

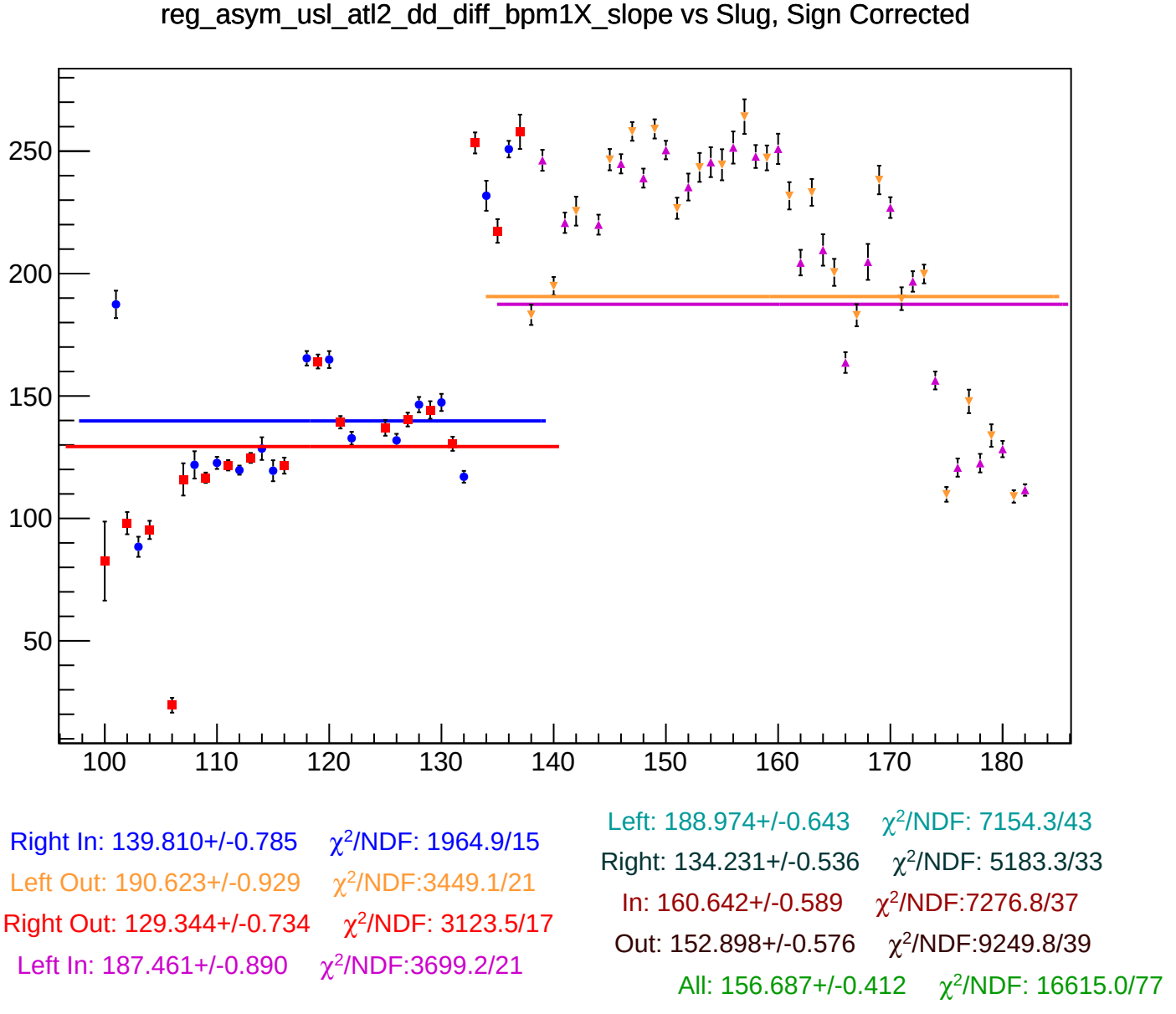
Left: -155.094+/-0.034 χ^2/NDF: 295955.6/43

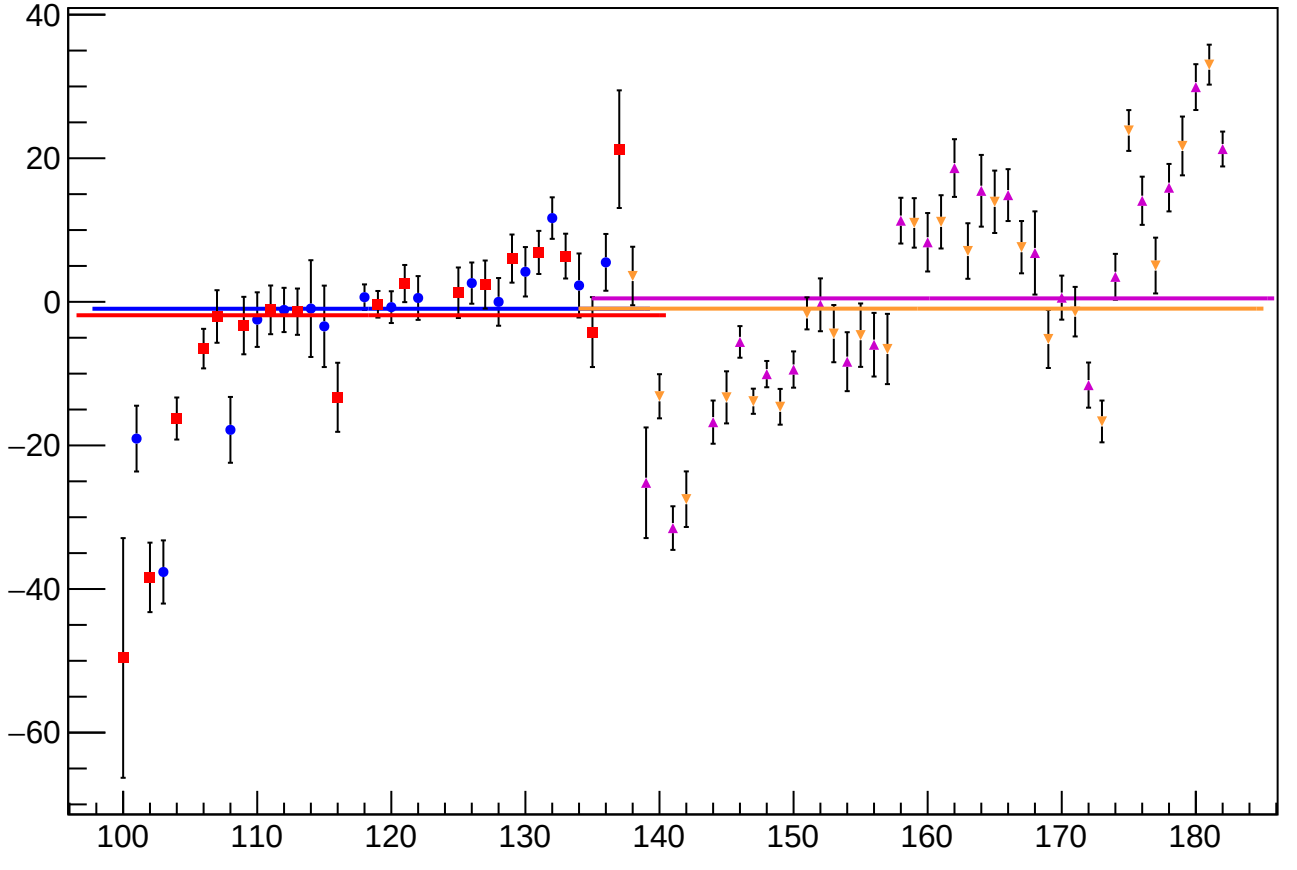
Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -148.574+/-0.041 χ^2/NDF:301046.3/37

Out: -131.122+/-0.039 χ^2/NDF:1554171.3/39

All: -139.490+/-0.028 χ^2/NDF: 1949751.2/77


reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected
250
200
150
100
50
100
110
120
130
140
150
160
170
180
Right In: 139.810+/-0.785 χ2/NDF: 1964.9/15
Left Out: 190.623+/-0.929 χ2/NDF:3449.1/21
Right Out: 129.344+/-0.734 χ2/NDF: 3123.5/17
Left In: 187.461+/-0.890 χ2/NDF:3699.2/21
Left: 188.974+/-0.643 χ2/NDF: 7154.3/43
Right: 134.231+/-0.536 χ2/NDF: 5183.3/33
In: 160.642+/-0.589 χ2/NDF:7276.8/37
Out: 152.898+/-0.576 χ2/NDF:9249.8/39
All: 156.687+/-0.412 χ2/NDF: 16615.0/77



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -0.946+/-0.683 χ^2/NDF:495.5/21

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: 0.482+/-0.674 χ^2/NDF:491.7/21

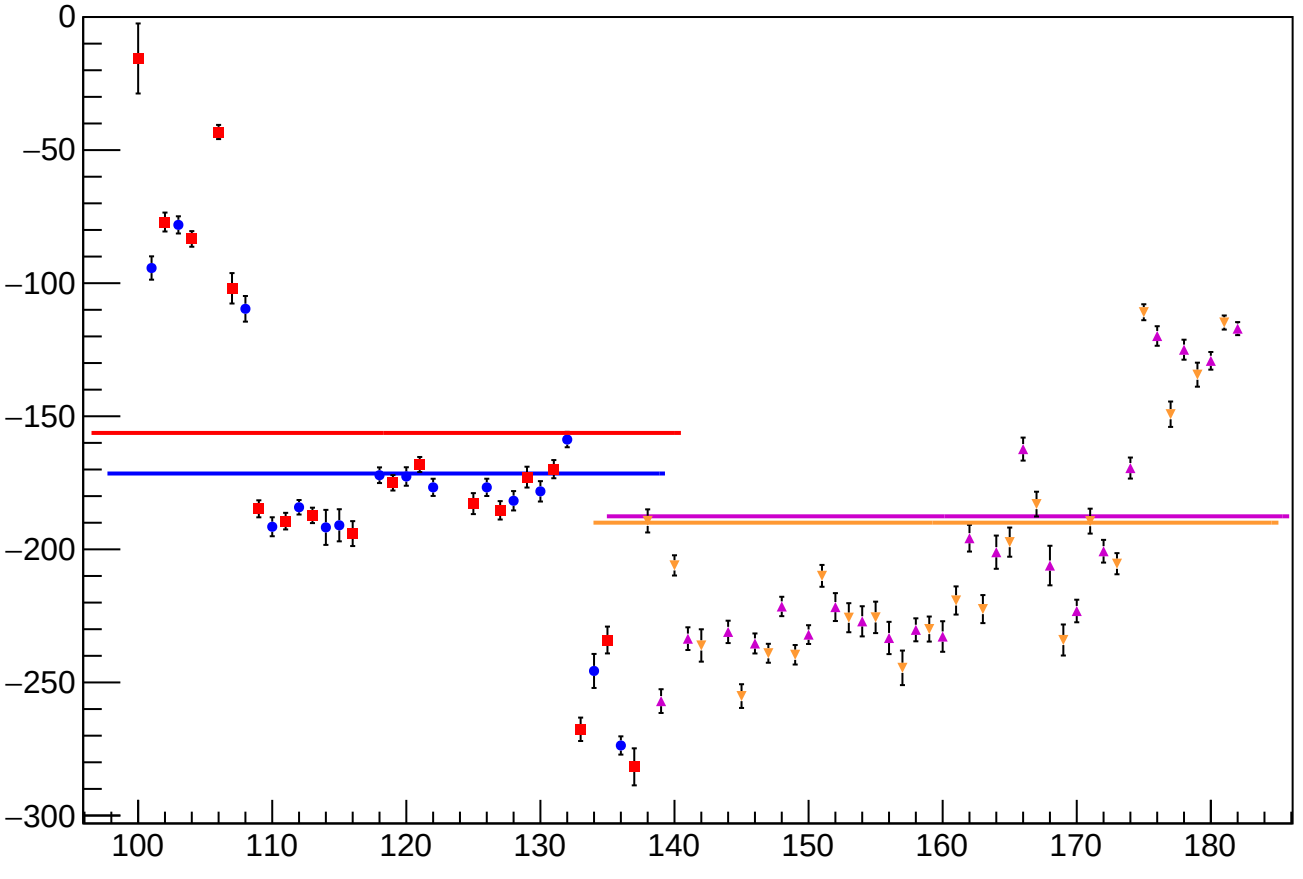
Left: -0.223+/-0.480 χ^2/NDF: 989.5/43

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -0.111+/-0.518 χ^2/NDF:619.7/37

Out: -1.344+/-0.515 χ^2/NDF:629.5/39

All: -0.731+/-0.365 χ^2/NDF: 1252.0/77



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -189.975+/-0.920 χ^2/NDF:2781.7/21

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -187.586+/-0.883 χ^2/NDF:3086.2/21

Left: -188.731+/-0.637 χ^2/NDF: 5871.4/43

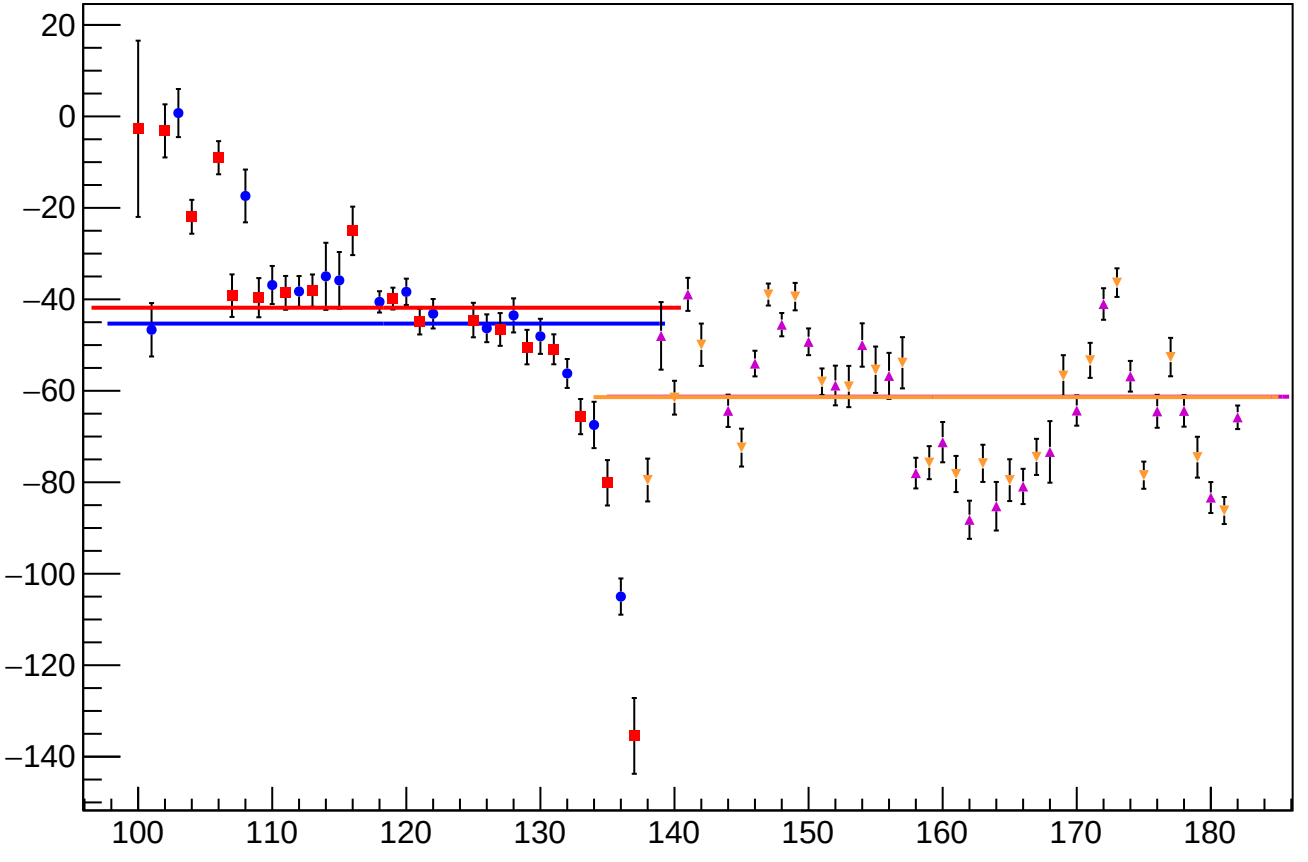
Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -179.757+/-0.633 χ^2/NDF:5690.3/37

Out: -171.726+/-0.623 χ^2/NDF:8412.3/39

All: -175.682+/-0.444 χ^2/NDF: 14184.4/77

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -61.382+/-0.787 χ^2/NDF:433.2/21

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -61.285+/-0.768 χ^2/NDF:316.2/21

Left: -61.332+/-0.550 χ^2/NDF: 749.4/43

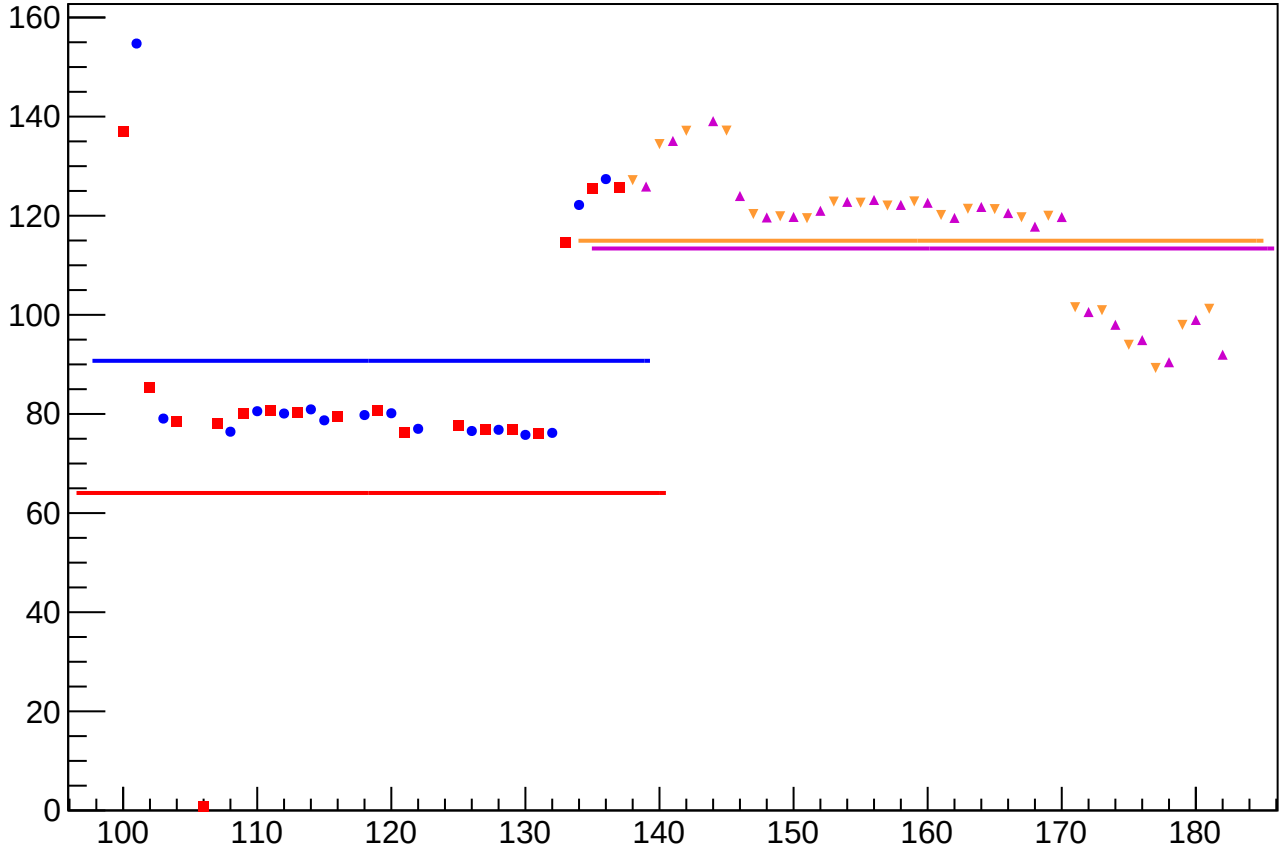
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -54.868+/-0.594 χ^2/NDF:872.1/37

Out: -53.011+/-0.595 χ^2/NDF:1111.8/39

All: -53.941+/-0.420 χ^2/NDF: 1988.7/77

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: 114.955+/-0.037 χ^2/NDF:135135.0/21

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 113.387+/-0.035 χ^2/NDF:162712.9/21

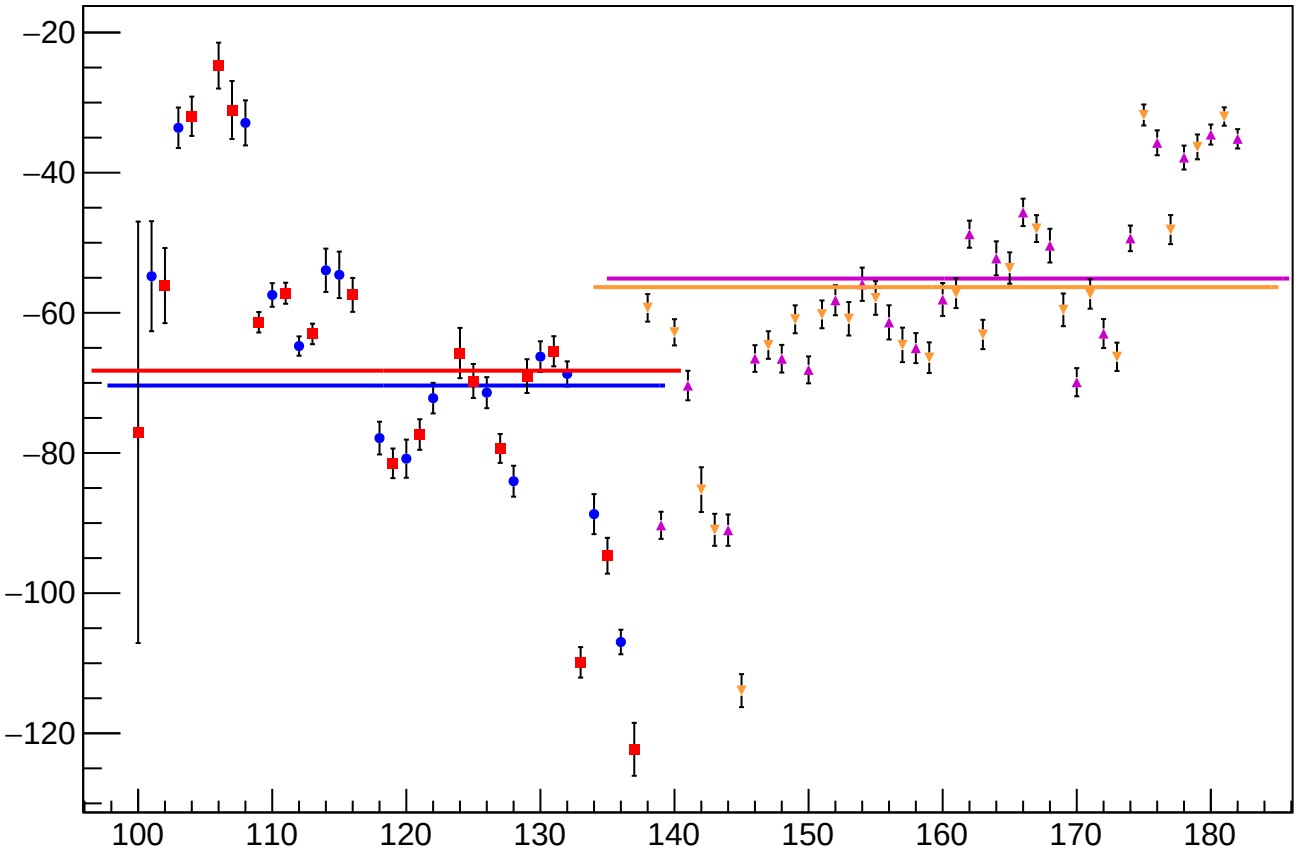
Left: 114.135+/-0.025 χ^2/NDF: 298804.8/43

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 107.412+/-0.030 χ^2/NDF:434422.3/37

Out: 96.828+/-0.029 χ^2/NDF:1482400.7/39

All: 102.011+/-0.021 χ^2/NDF: 1980201.9/77



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -56.334+/-0.420 χ^2/NDF:1801.5/22

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -55.108+/-0.416 χ^2/NDF:1541.0/21

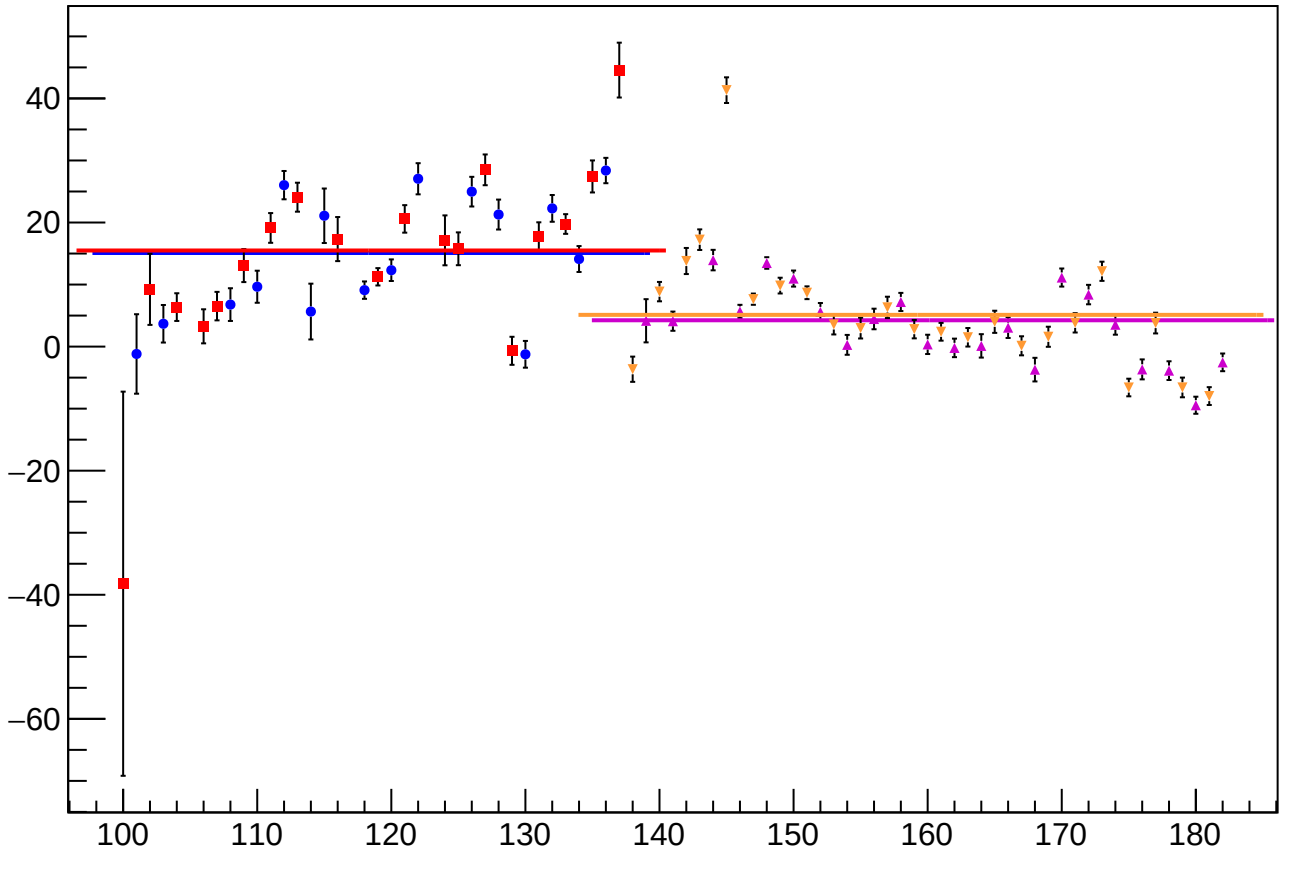
Left: -55.714+/-0.296 χ^2/NDF: 3346.9/44

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -60.564+/-0.333 χ^2/NDF:2997.4/37

Out: -60.973+/-0.329 χ^2/NDF:3420.2/41

All: -60.771+/-0.234 χ^2/NDF: 6418.4/79



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 5.116+/-0.310 χ^2/NDF:692.4/22

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 4.243+/-0.315 χ^2/NDF:414.6/21

Left: 4.687+/-0.221 χ^2/NDF: 1110.9/44

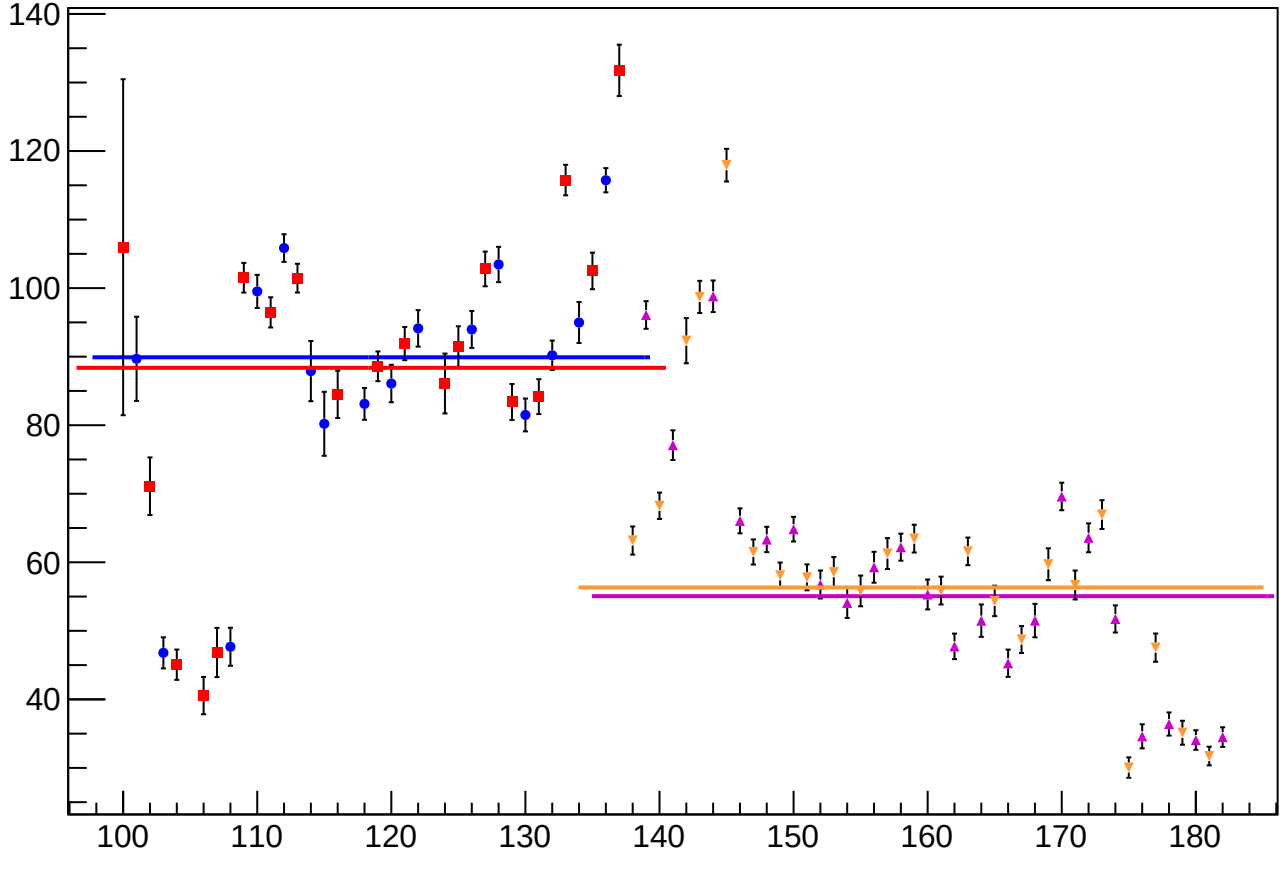
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 6.708+/-0.277 χ^2/NDF:926.6/37

Out: 7.563+/-0.271 χ^2/NDF:1195.7/41

All: 7.144+/-0.194 χ^2/NDF: 2127.2/79

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: 56.330+/-0.415 χ^2/NDF:2044.2/22

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 55.055+/-0.411 χ^2/NDF:1778.8/21

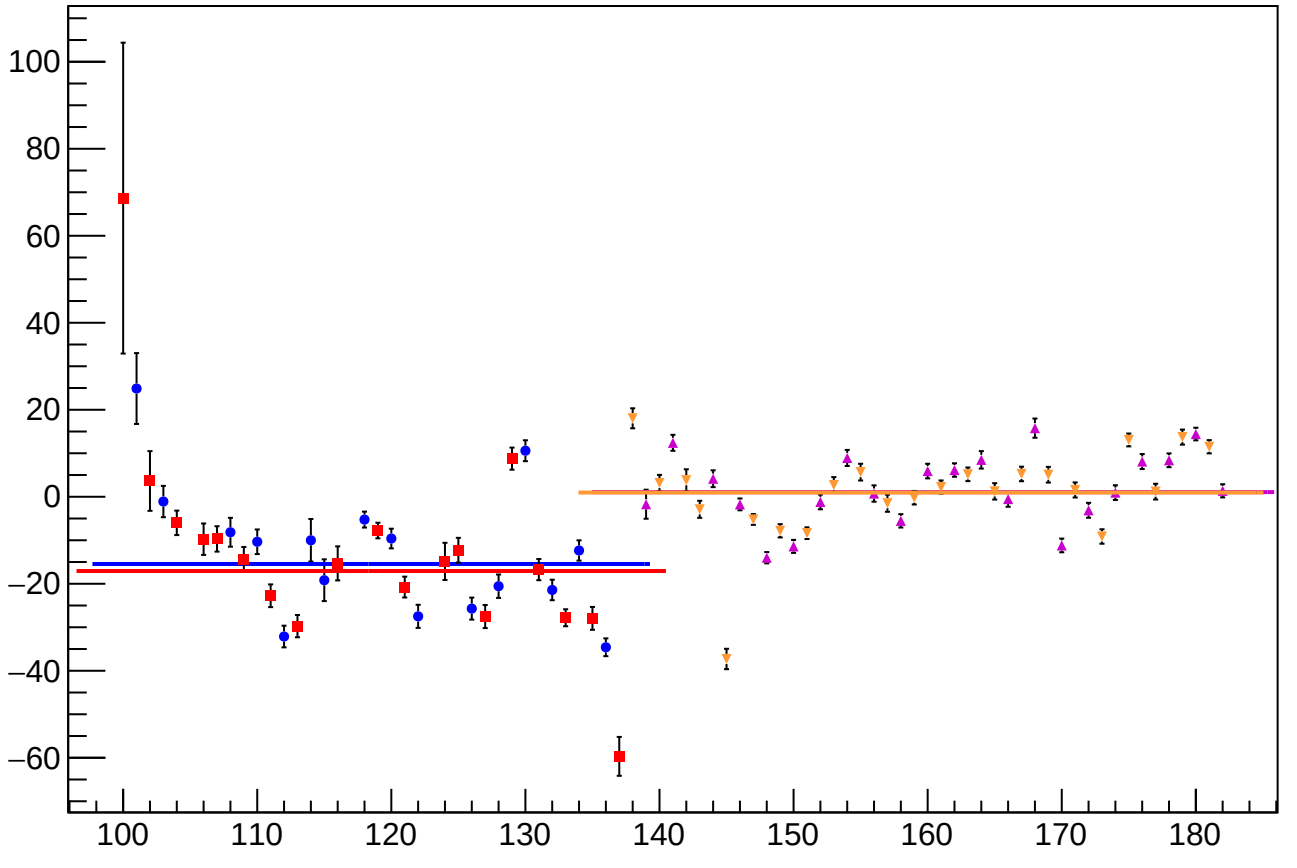
Left: 55.686+/-0.292 χ^2/NDF: 3827.7/44

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 65.199+/-0.346 χ^2/NDF:4824.4/37

Out: 66.300+/-0.344 χ^2/NDF:5188.7/41

All: 65.751+/-0.244 χ^2/NDF: 10018.1/79



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: 0.971+/-0.354 χ^2/NDF:669.3/22

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 1.069+/-0.357 χ^2/NDF:555.2/21

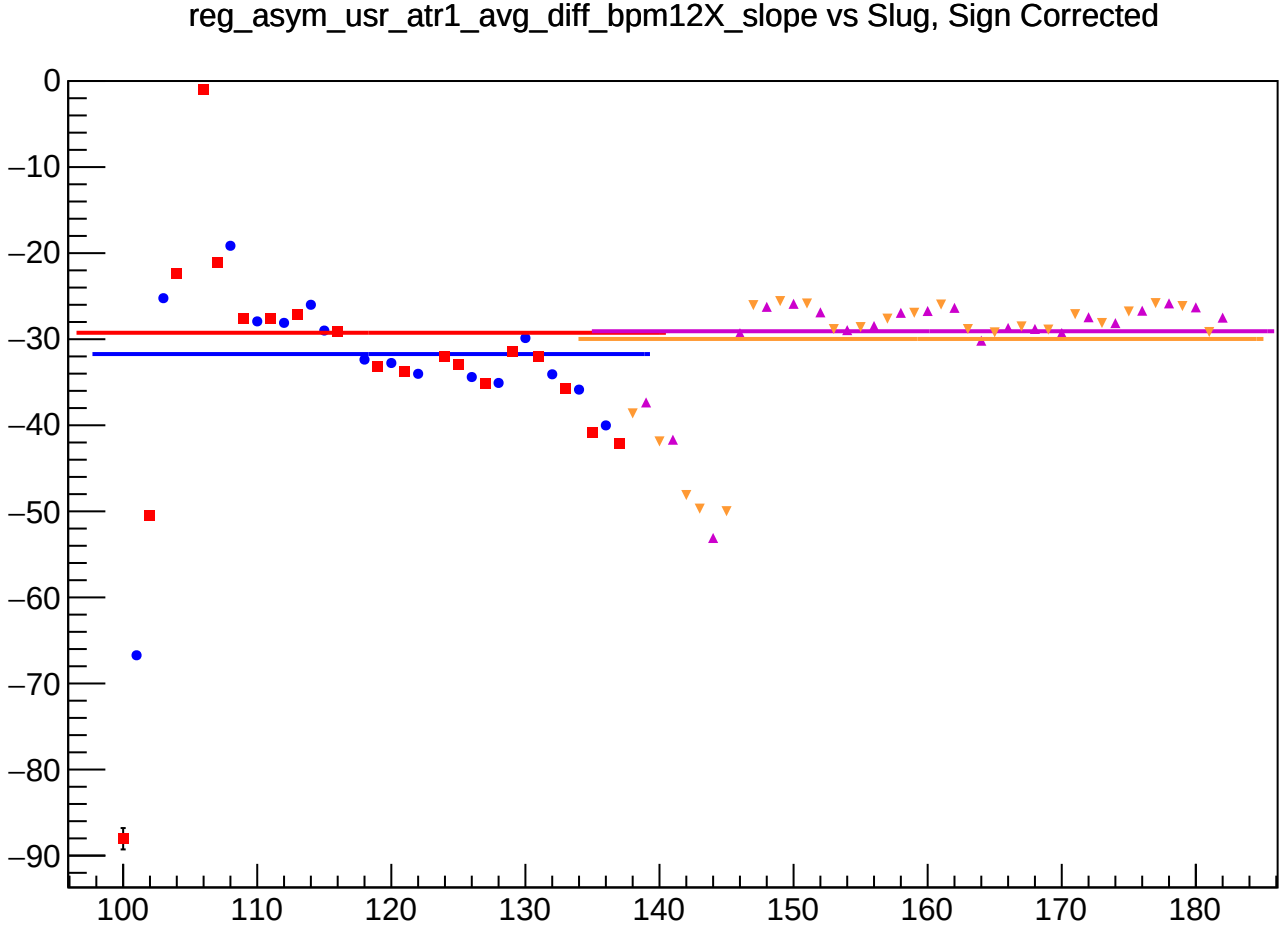
Left: 1.020+/-0.251 χ^2/NDF: 1224.5/44

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -2.618+/-0.314 χ^2/NDF:1420.6/37

Out: -3.227+/-0.310 χ^2/NDF:1632.8/41

All: -2.926+/-0.221 χ^2/NDF: 3055.3/79



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -29.969+/-0.016 χ^2/NDF:161126.3/22

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -29.074+/-0.016 χ^2/NDF:101536.0/21

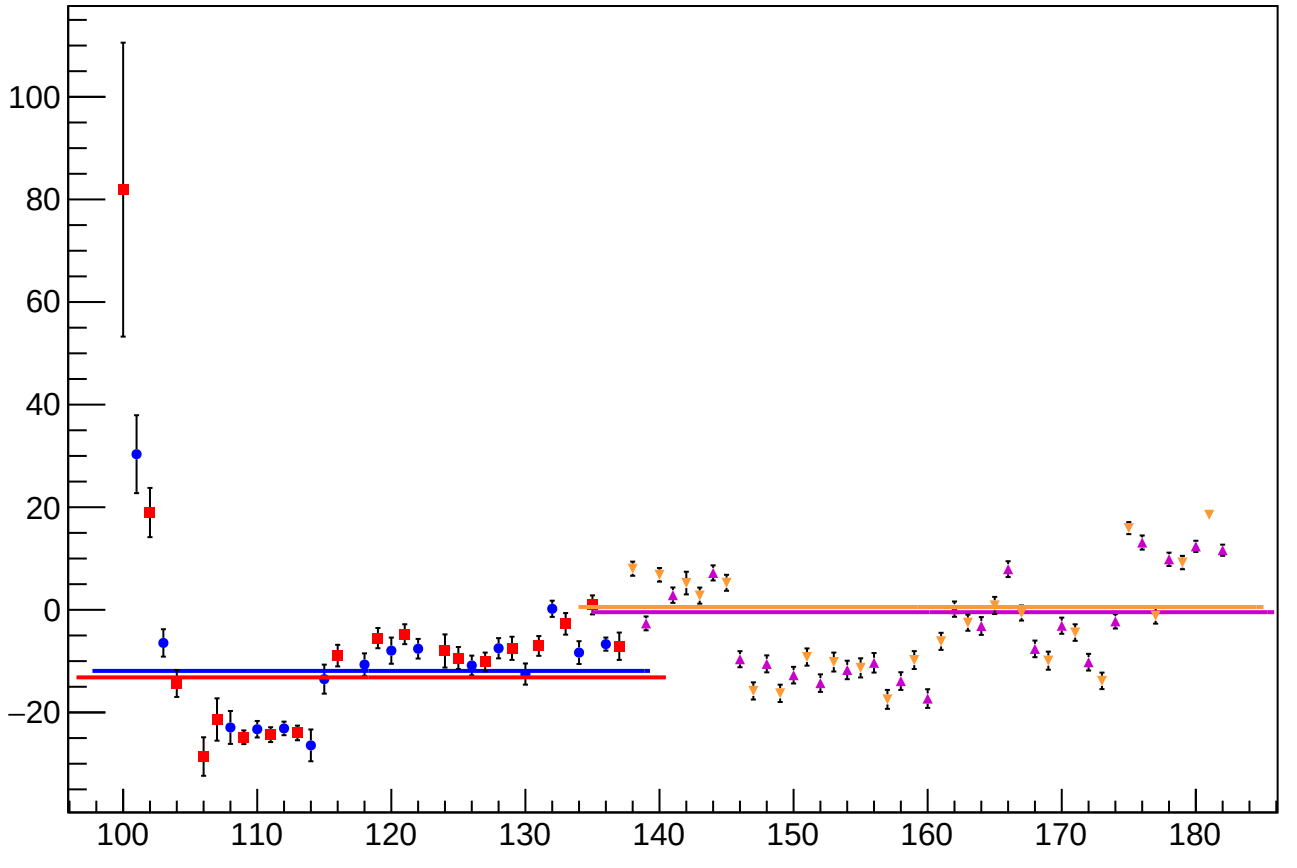
Left: -29.516+/-0.011 χ^2/NDF: 264214.3/44

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -29.463+/-0.015 χ^2/NDF:145214.6/37

Out: -29.861+/-0.015 χ^2/NDF:256659.7/41

All: -29.660+/-0.010 χ^2/NDF: 402235.7/79



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: 0.550+/-0.319 χ^2/NDF:1195.6/22

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -0.459+/-0.319 χ^2/NDF:955.5/21

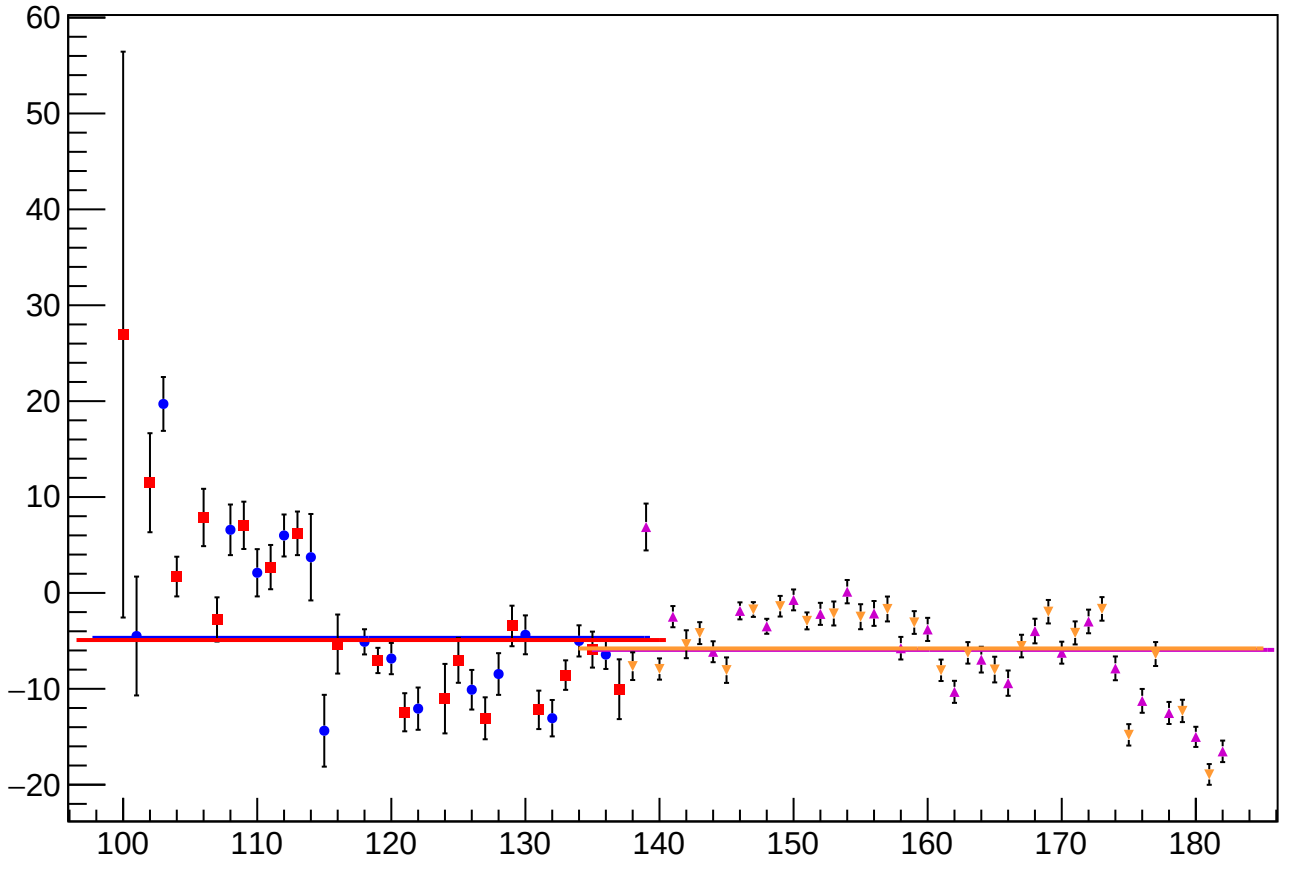
Left: 0.045+/-0.225 χ^2/NDF: 2156.0/44

Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -3.797+/-0.268 χ^2/NDF:1613.8/37

Out: -3.651+/-0.266 χ^2/NDF:2183.5/41

All: -3.723+/-0.189 χ^2/NDF: 3797.4/79



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -5.790+/-0.240 χ^2/NDF:369.9/22

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -5.941+/-0.245 χ^2/NDF:385.8/21

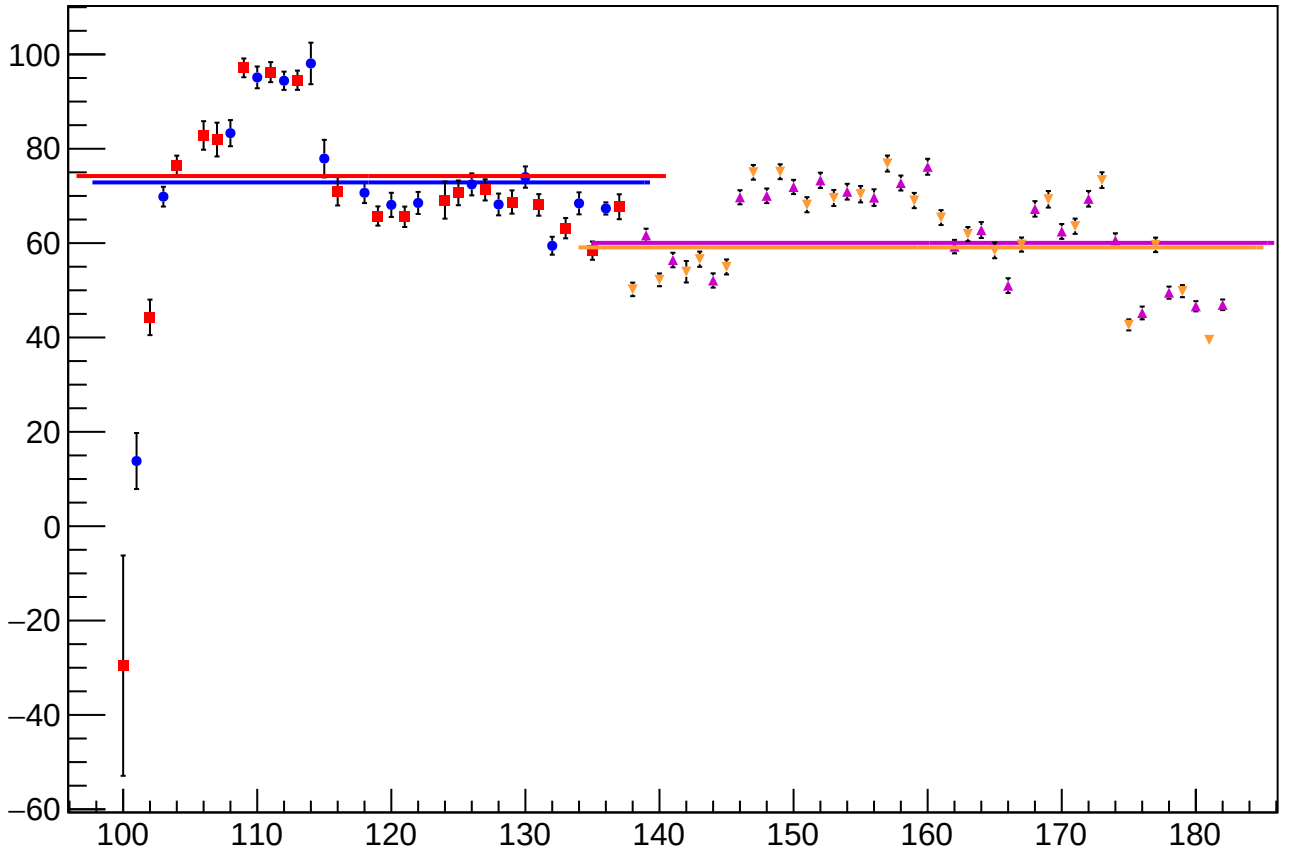
Left: -5.864+/-0.171 χ^2/NDF: 756.0/44

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -5.711+/-0.221 χ^2/NDF:569.7/37

Out: -5.633+/-0.217 χ^2/NDF:528.2/41

All: -5.671+/-0.155 χ^2/NDF: 1097.9/79



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 59.088+/-0.316 χ^2/NDF:1295.0/22

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 60.055+/-0.315 χ^2/NDF:1037.8/21

Left: 59.573+/-0.223 χ^2/NDF: 2337.5/44

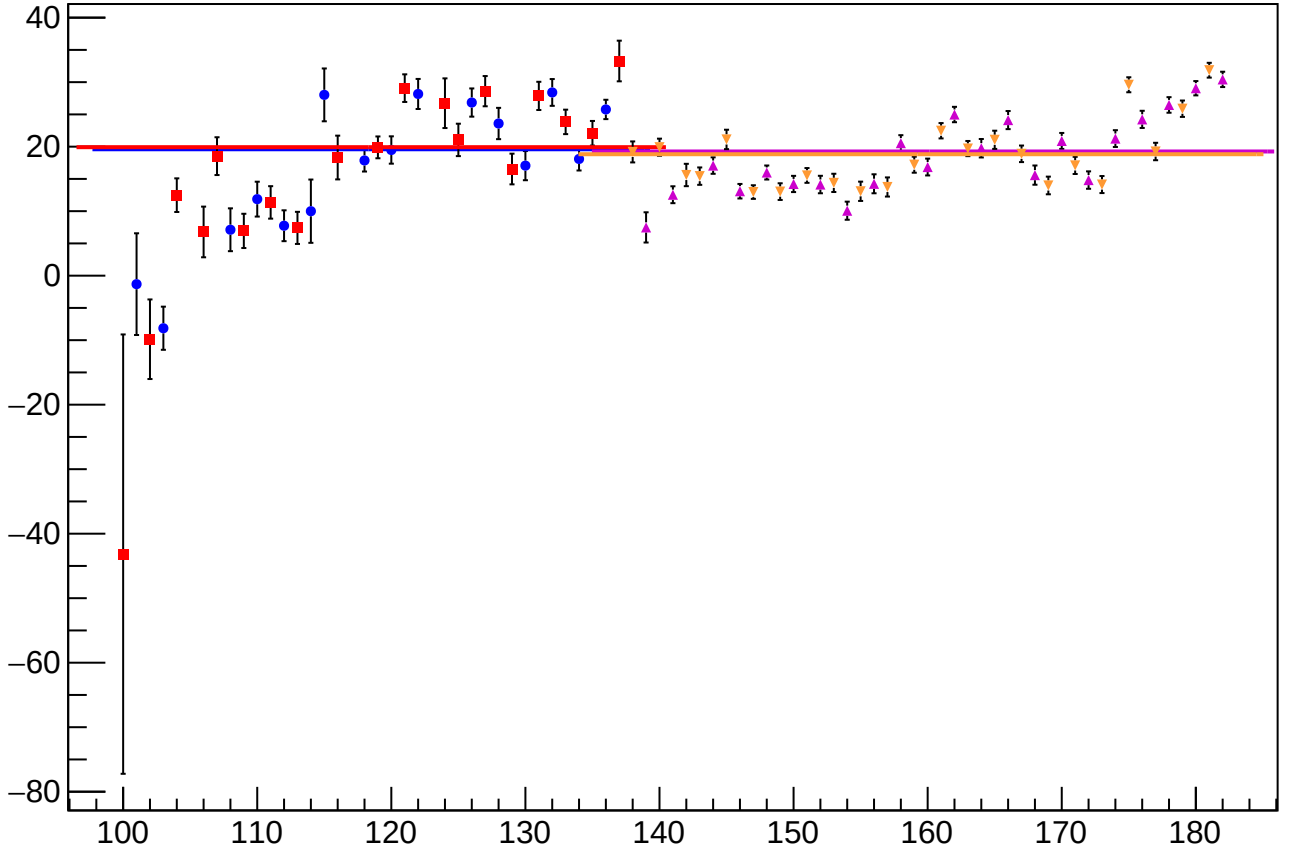
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 63.094+/-0.275 χ^2/NDF:1880.2/37

Out: 62.719+/-0.275 χ^2/NDF:2431.5/41

All: 62.907+/-0.195 χ^2/NDF: 4312.5/79

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 18.829+/-0.273 χ^2/NDF:394.9/22

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 19.253+/-0.276 χ^2/NDF:454.8/21

Left: 19.038+/-0.194 χ^2/NDF: 850.9/44

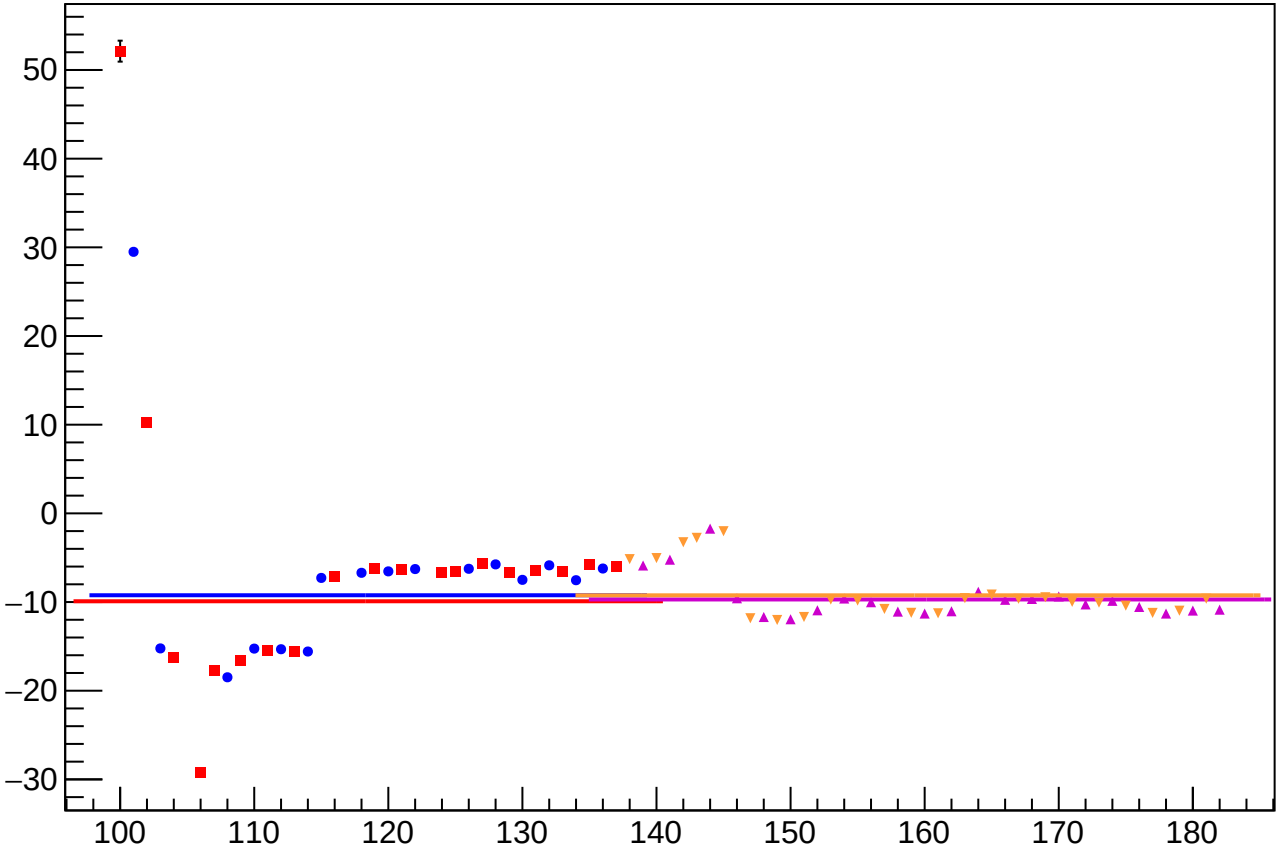
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 19.316+/-0.250 χ^2/NDF:651.0/37

Out: 19.023+/-0.247 χ^2/NDF:579.1/41

All: 19.168+/-0.176 χ^2/NDF: 1230.8/79

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -9.242+/-0.012 χ^2/NDF:48206.8/22

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -9.711+/-0.012 χ^2/NDF:31876.6/21

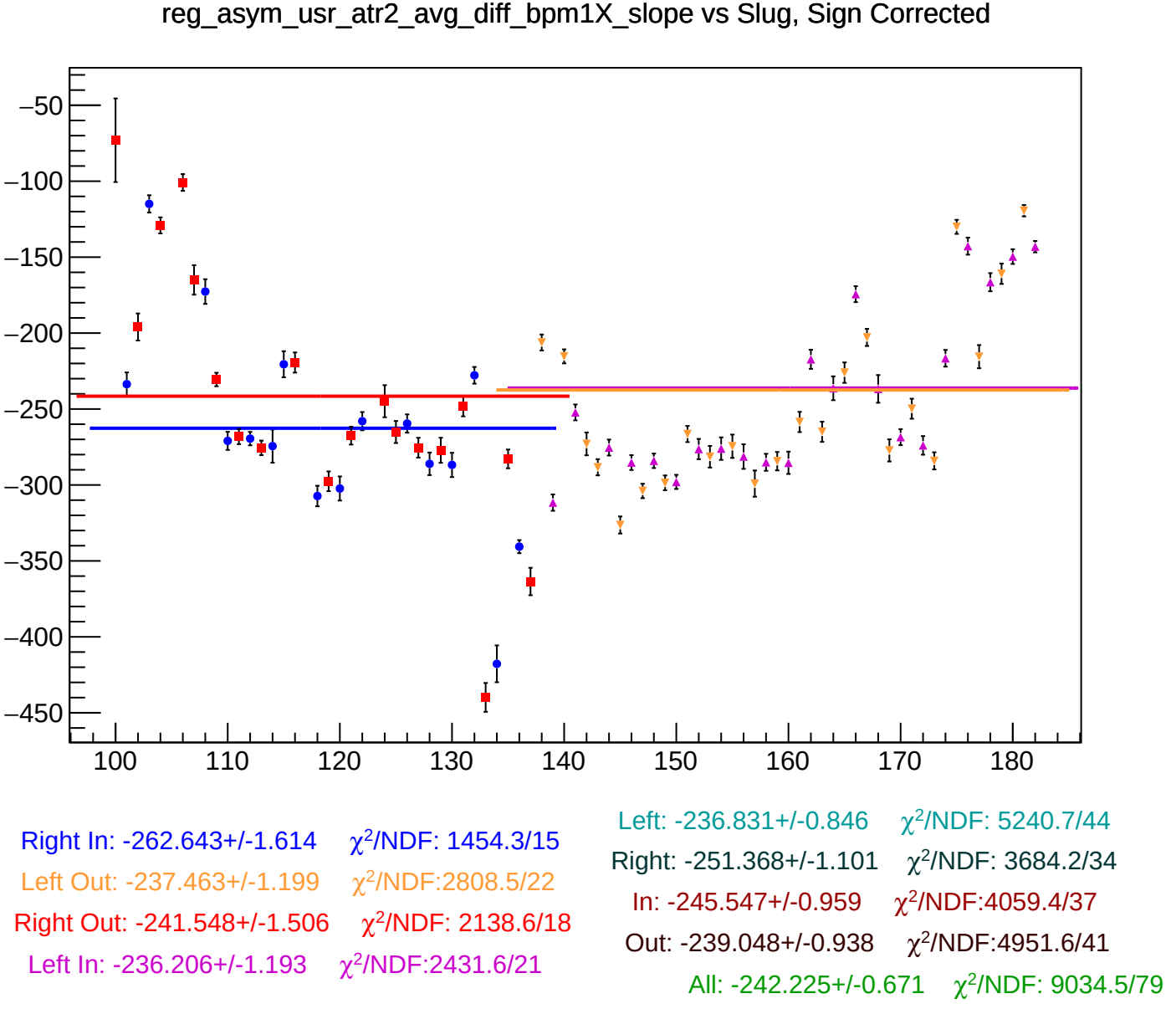
Left: -9.478+/-0.009 χ^2/NDF: 80813.8/44

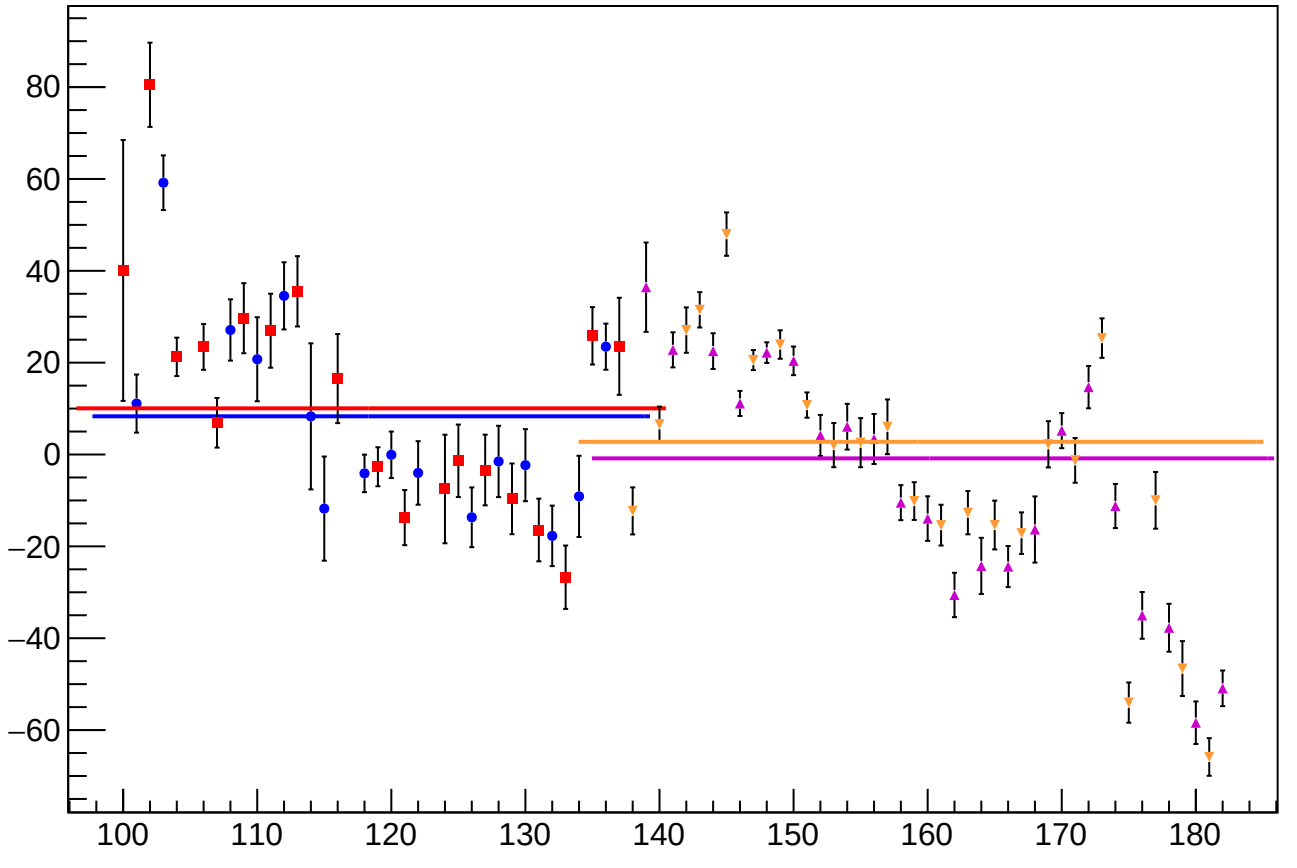
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.653+/-0.011 χ^2/NDF:63220.3/37

Out: -9.318+/-0.012 χ^2/NDF:102406.8/41

All: -9.487+/-0.008 χ^2/NDF: 166049.2/79


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
170
180
Right In: -262.643+/-1.614 χ²/NDF: 1454.3/15
Left Out: -237.463+/-1.199 χ²/NDF:2808.5/22
Right Out: -241.548+/-1.506 χ²/NDF: 2138.6/18
Left In: -236.206+/-1.193 χ²/NDF:2431.6/21
Left: -236.831+/-0.846 χ²/NDF: 5240.7/44
Right: -251.368+/-1.101 χ²/NDF: 3684.2/34
In: -245.547+/-0.959 χ²/NDF:4059.4/37
Out: -239.048+/-0.938 χ²/NDF:4951.6/41
All: -242.225+/-0.671 χ²/NDF: 9034.5/79



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 2.767+/-0.860 χ^2/NDF:920.7/22

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: -0.842+/-0.876 χ^2/NDF:796.8/21

Left: 0.997+/-0.614 χ^2/NDF: 1726.1/44

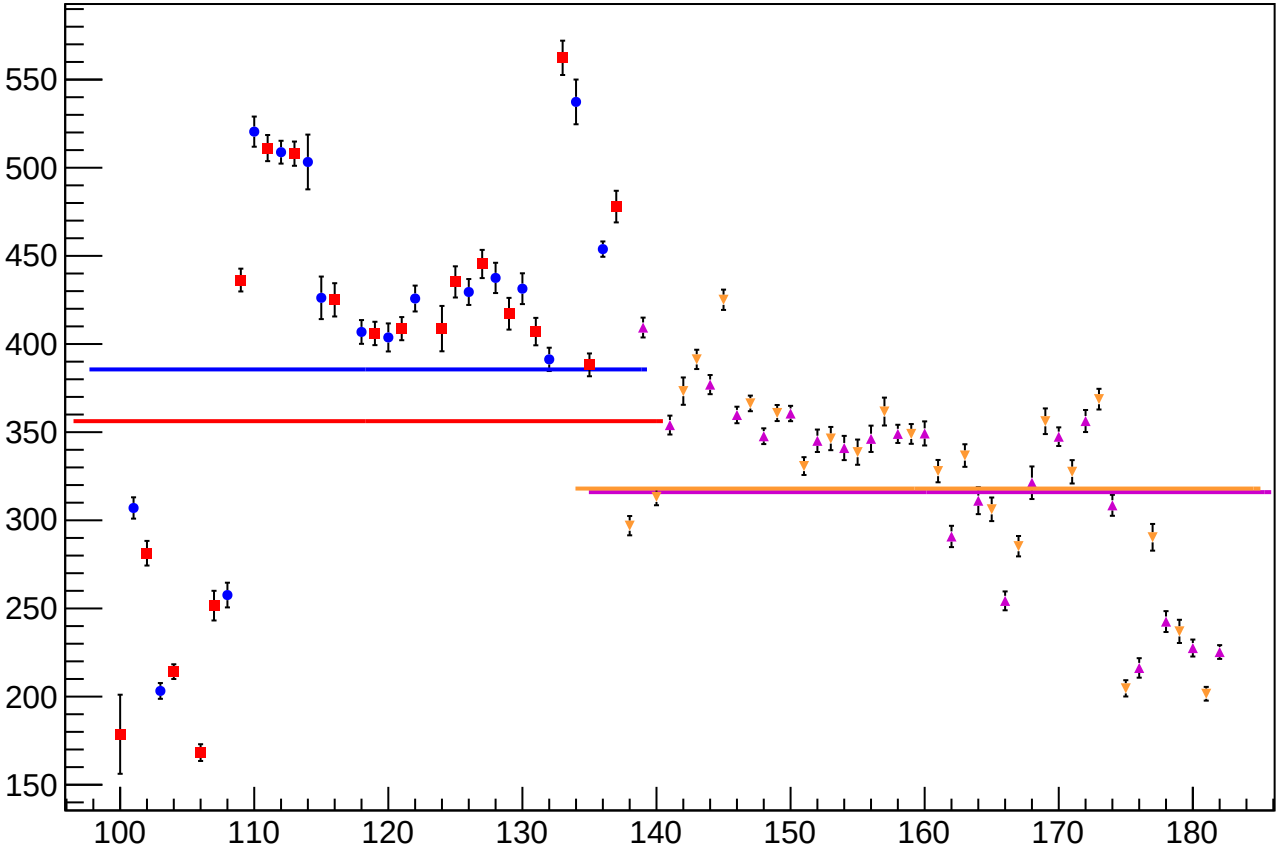
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 1.186+/-0.773 χ^2/NDF:978.6/37

Out: 4.499+/-0.750 χ^2/NDF:1125.2/41

All: 2.893+/-0.539 χ^2/NDF: 2113.3/79

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 318.014+/-1.185 χ^2/NDF:2701.7/22

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 315.984+/-1.177 χ^2/NDF:2394.4/21

Left: 316.992+/-0.835 χ^2/NDF: 5097.6/44

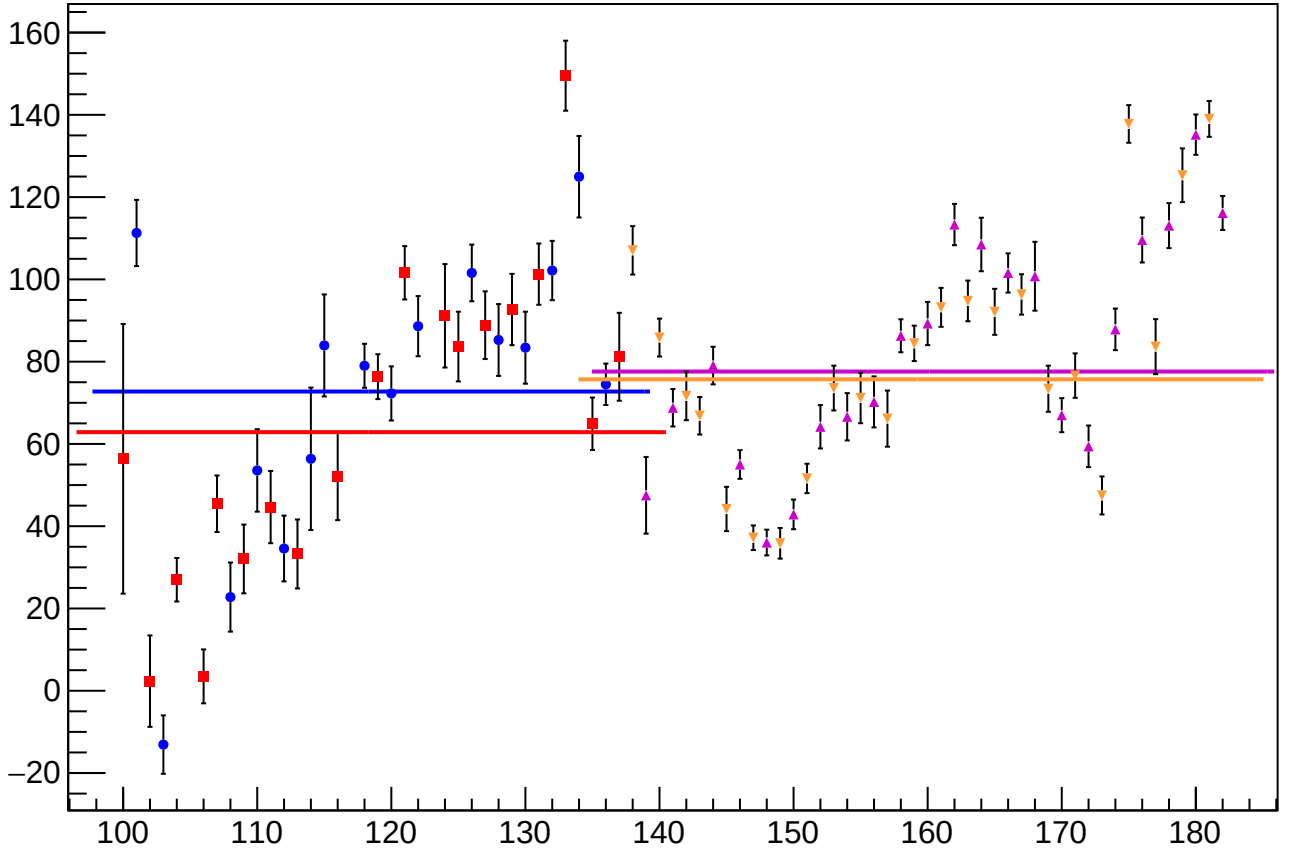
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 337.792+/-0.975 χ^2/NDF:6863.5/37

Out: 331.060+/-0.962 χ^2/NDF:8327.1/41

All: 334.379+/-0.685 χ^2/NDF: 15214.8/79

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: 75.704+/-0.998 χ^2/NDF:951.6/22

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 77.600+/-1.007 χ^2/NDF:778.7/21

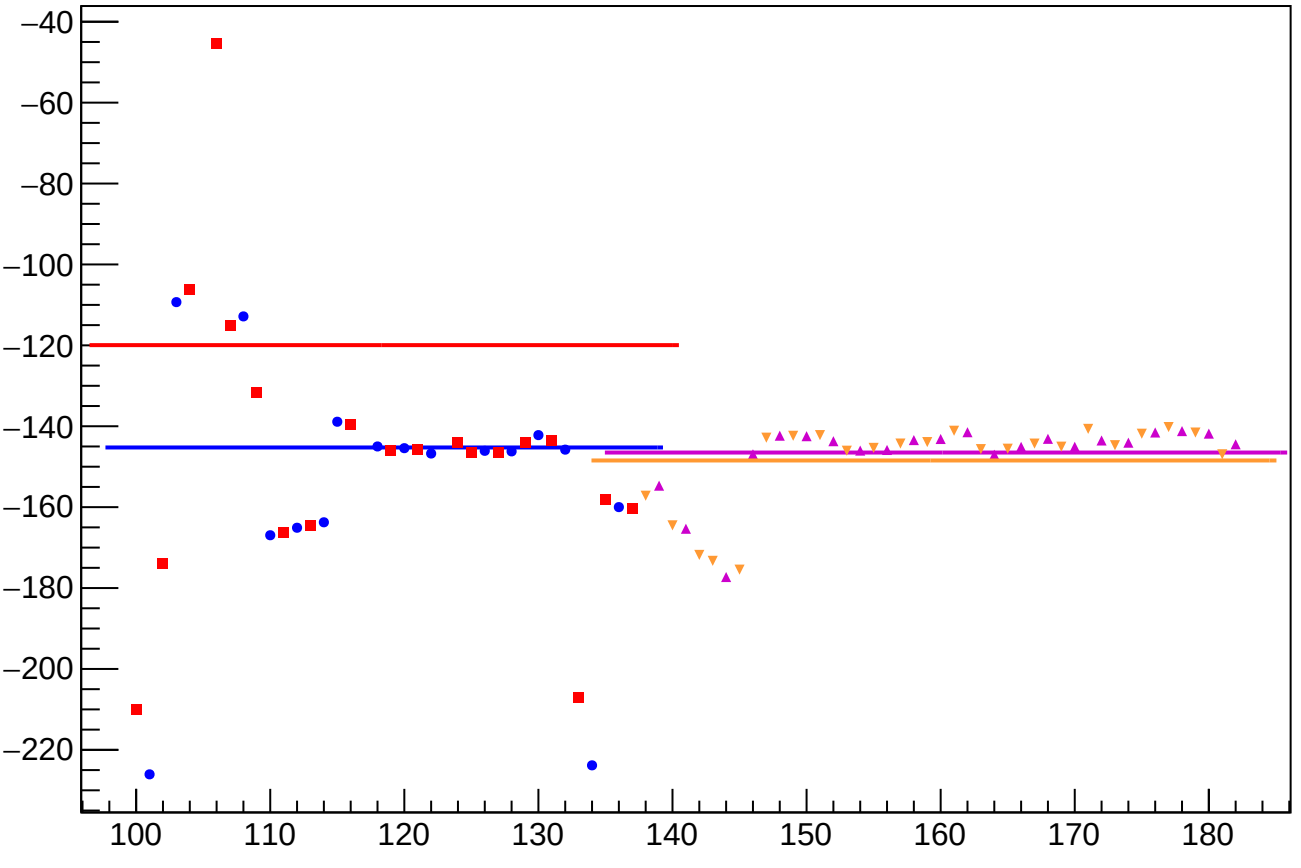
Left: 76.644+/-0.709 χ^2/NDF: 1732.1/44

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 76.531+/-0.889 χ^2/NDF:1088.1/37

Out: 72.670+/-0.872 χ^2/NDF:1394.3/41

All: 74.563+/-0.623 χ^2/NDF: 2492.0/79



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -148.460+/-0.047 χ^2/NDF:48306.1/22

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -146.500+/-0.046 χ^2/NDF:29161.3/21

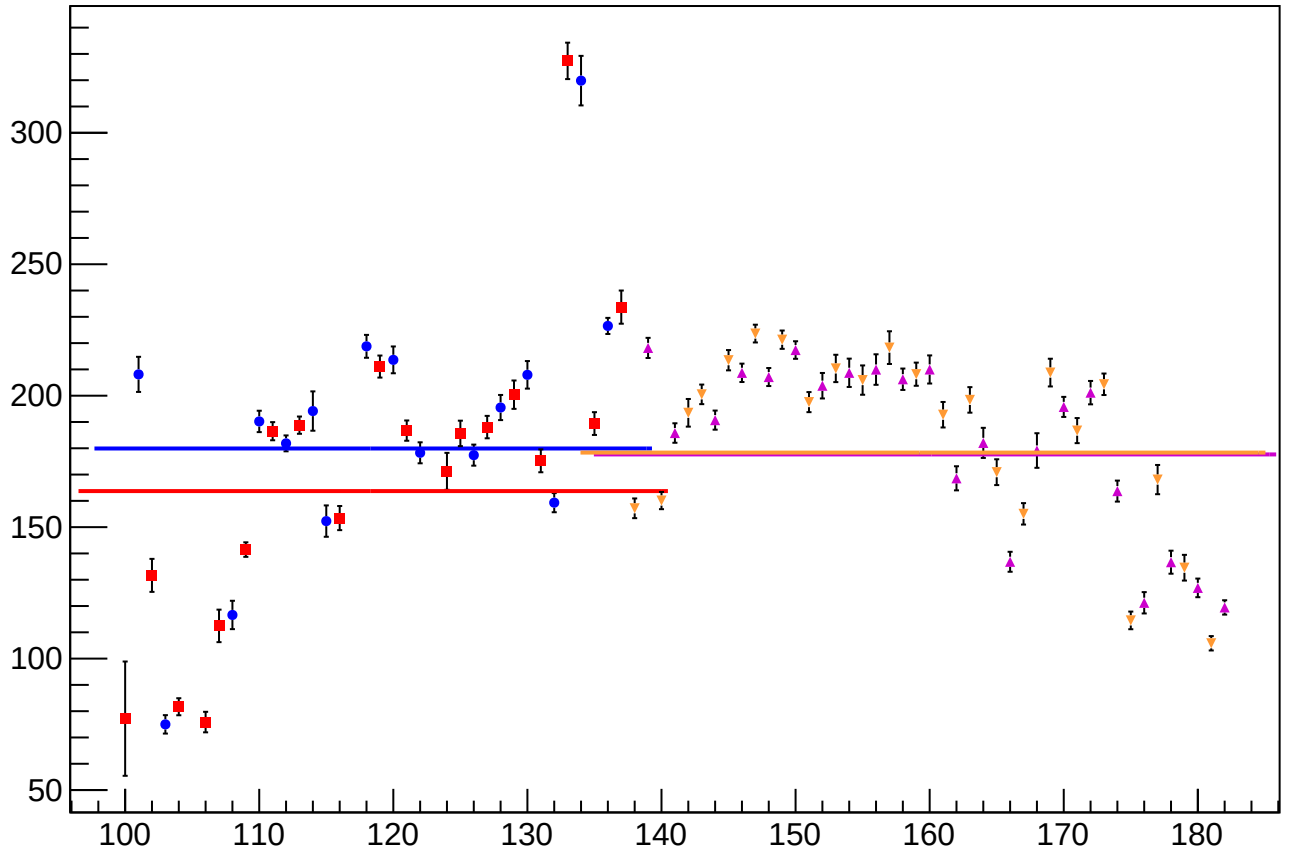
Left: -147.463+/-0.033 χ^2/NDF: 78356.7/44

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -146.274+/-0.042 χ^2/NDF:161351.9/37

Out: -142.265+/-0.041 χ^2/NDF:399049.3/41

All: -144.258+/-0.029 χ^2/NDF: 565047.7/79



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 178.363+/-0.861 χ^2/NDF:1981.5/22

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 177.659+/-0.859 χ^2/NDF:1725.6/21

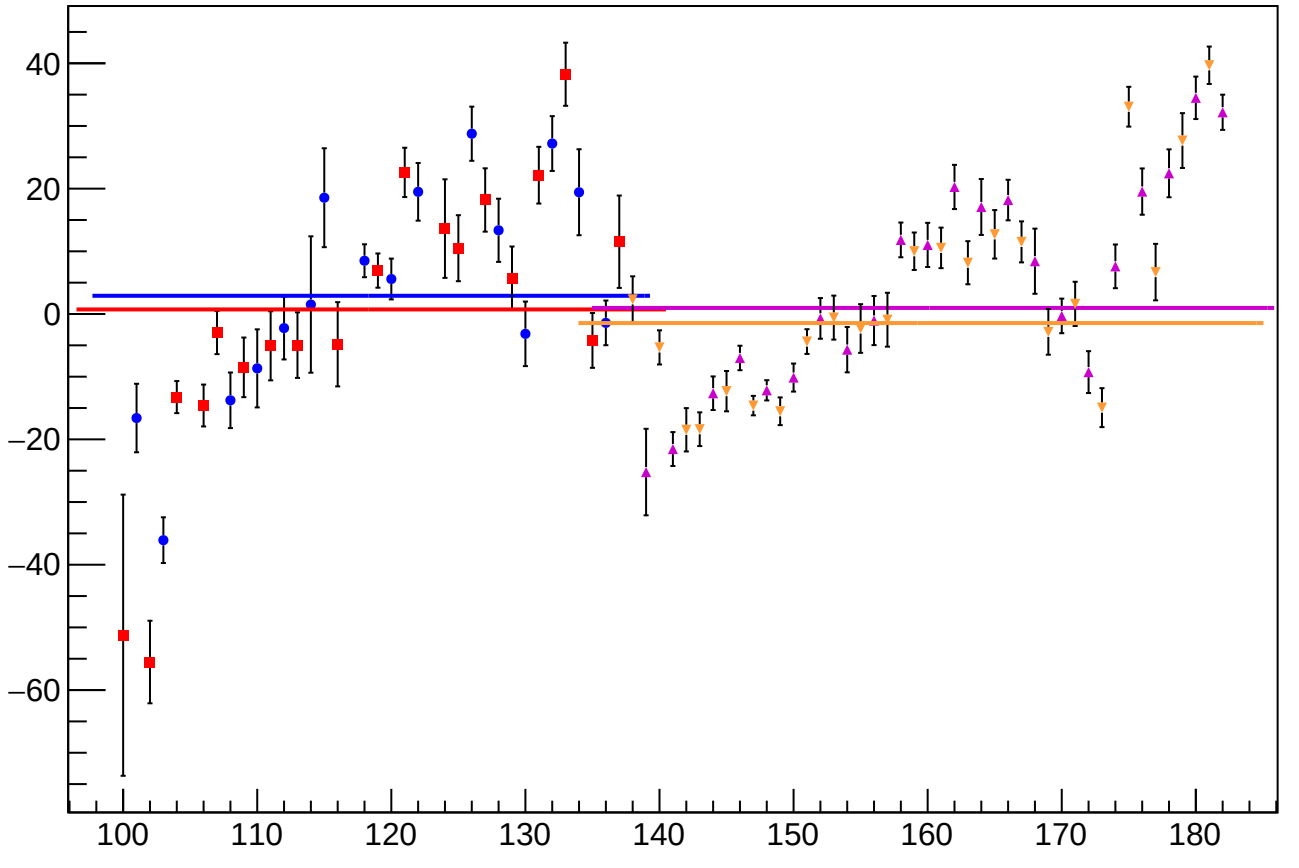
Left: 178.010+/-0.608 χ^2/NDF: 3707.4/44

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 178.526+/-0.674 χ^2/NDF:3460.9/37

Out: 172.130+/-0.653 χ^2/NDF:4521.3/41

All: 175.224+/-0.469 χ^2/NDF: 8028.6/79



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -1.445+/-0.617 χ^2/NDF:634.2/22

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: 0.970+/-0.631 χ^2/NDF:609.5/21

Left: -0.265+/-0.441 χ^2/NDF: 1251.2/44

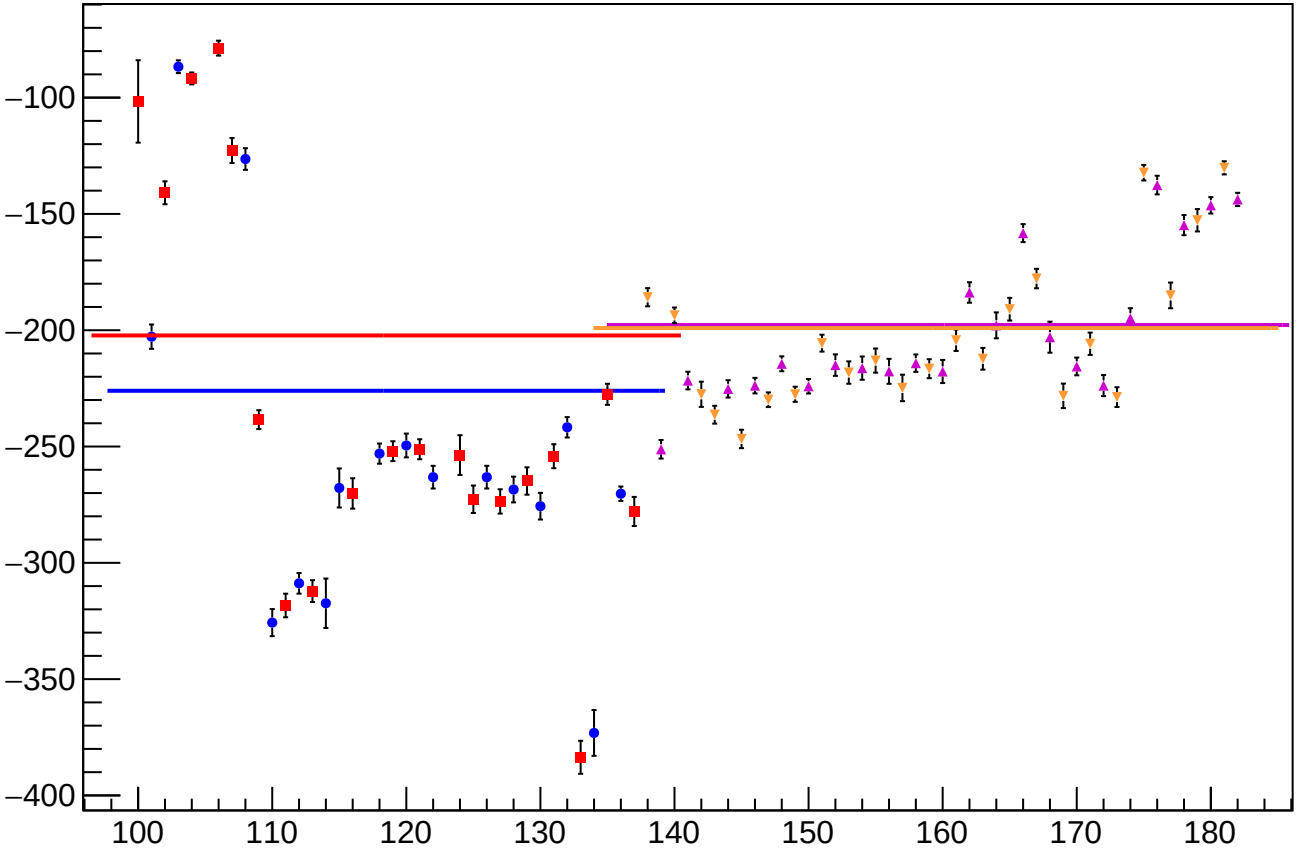
Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: 1.446+/-0.548 χ^2/NDF:859.3/37

Out: -0.857+/-0.527 χ^2/NDF:911.2/41

All: 0.249+/-0.380 χ^2/NDF: 1779.7/79

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -199.056+/-0.852 χ^2/NDF:1725.3/22

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -197.761+/-0.848 χ^2/NDF:1579.9/21

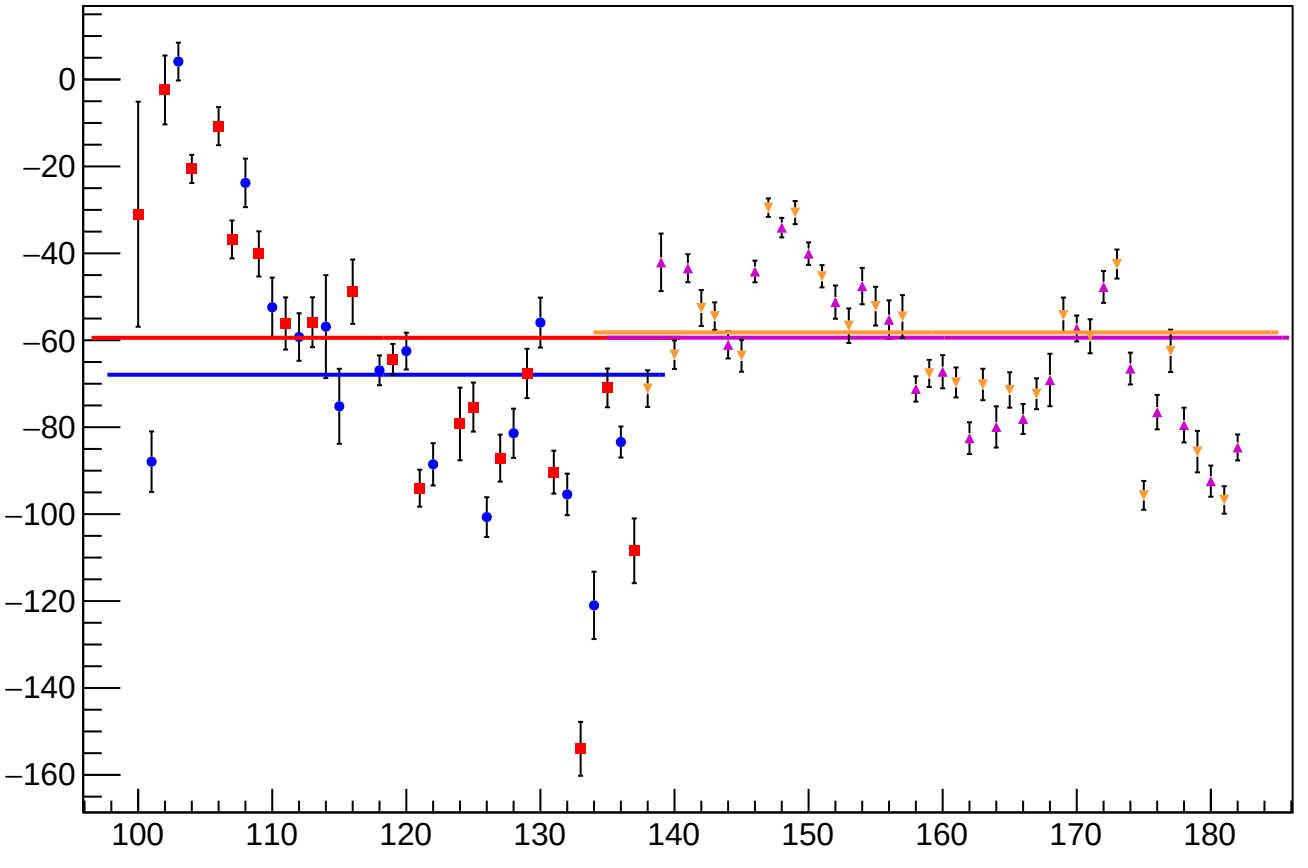
Left: -198.406+/-0.601 χ^2/NDF: 3306.4/44

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -207.440+/-0.688 χ^2/NDF:6499.5/37

Out: -200.270+/-0.670 χ^2/NDF:8421.4/41

All: -203.764+/-0.480 χ^2/NDF: 14976.7/79



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -58.188+/-0.717 χ^2/NDF:725.0/22

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -59.402+/-0.726 χ^2/NDF:591.7/21

Left: -58.788+/-0.510 χ^2/NDF: 1318.1/44

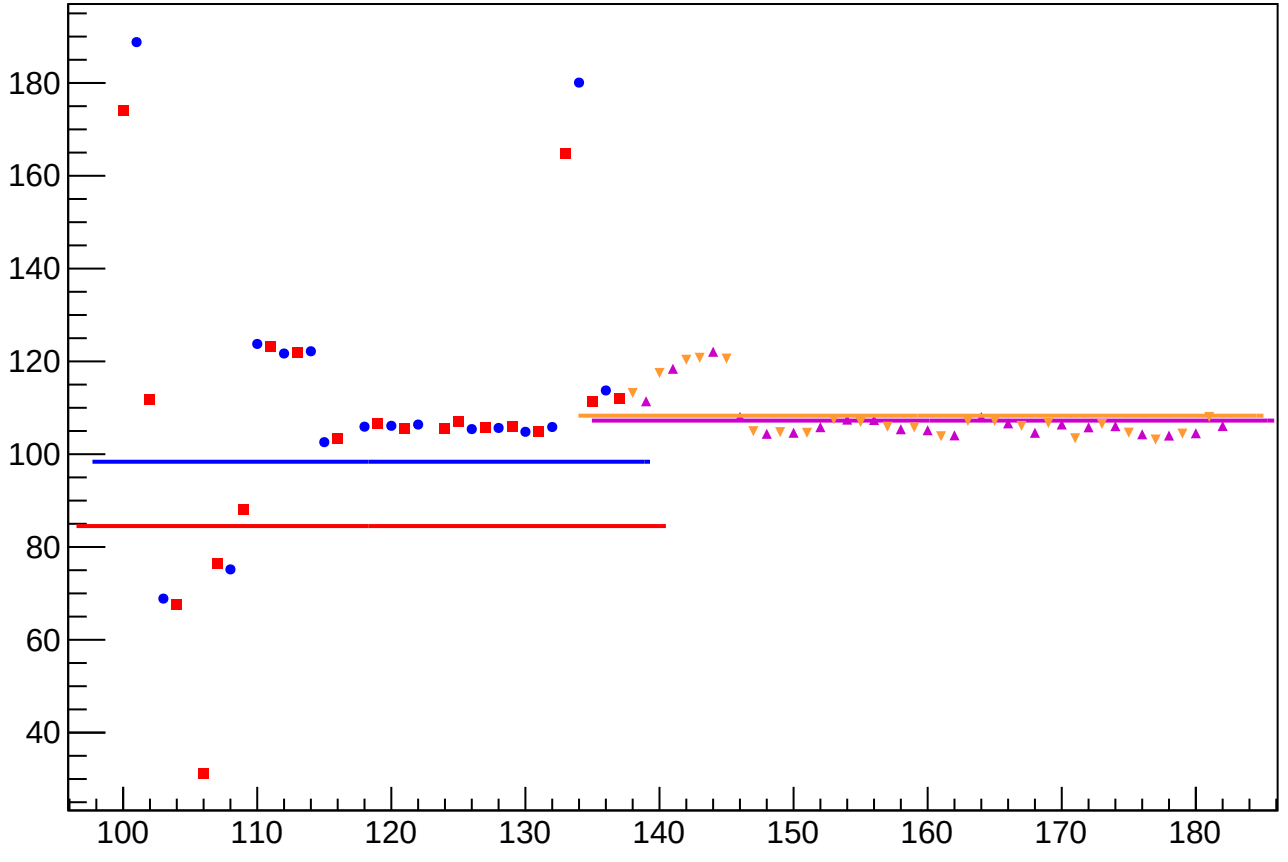
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -61.480+/-0.631 χ^2/NDF:1159.4/37

Out: -58.520+/-0.613 χ^2/NDF:1520.6/41

All: -59.958+/-0.440 χ^2/NDF: 2691.4/79

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.299+/-0.034 χ^2/NDF:26064.5/22

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.242+/-0.033 χ^2/NDF:16855.5/21

Left: 107.763+/-0.024 χ^2/NDF: 43419.3/44

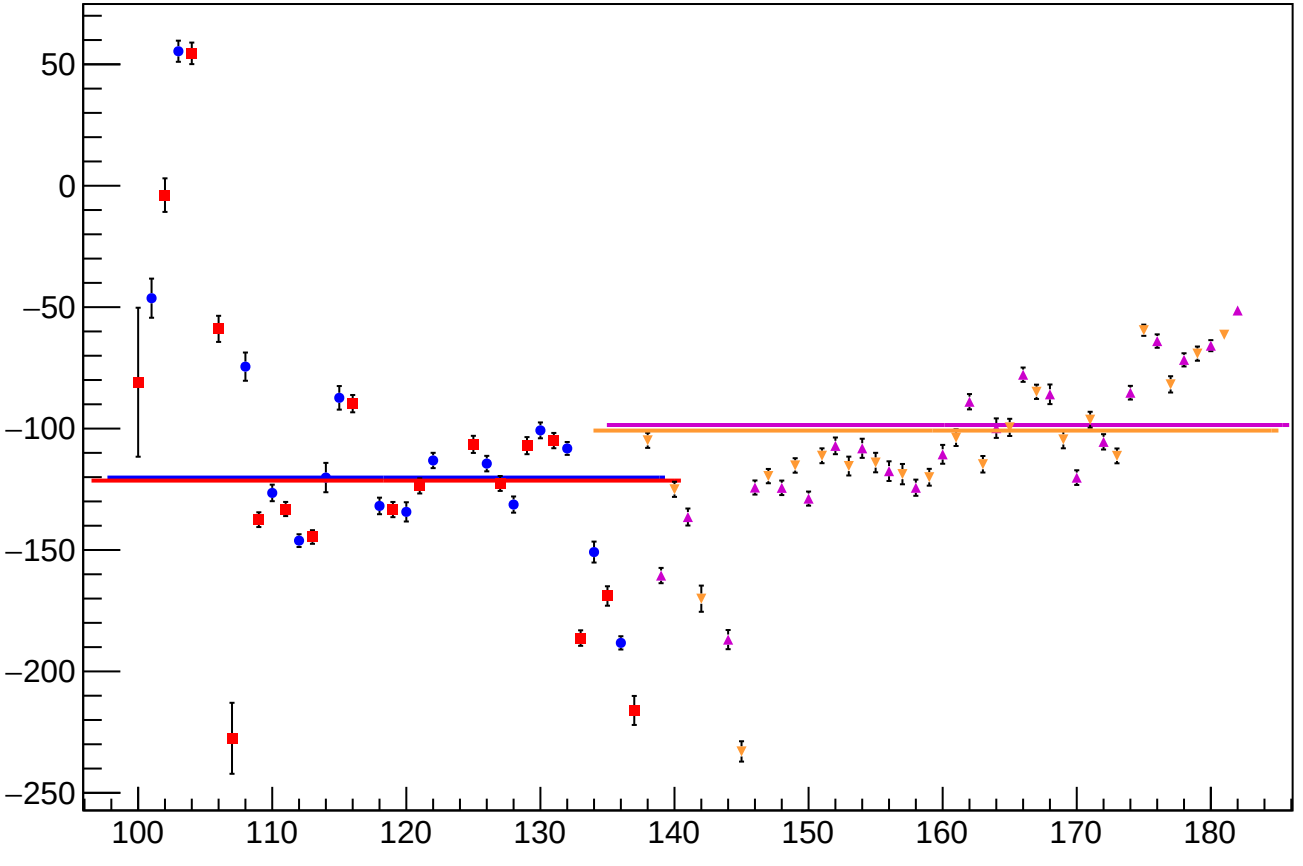
Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.453+/-0.030 χ^2/NDF:259657.9/37

Out: 102.681+/-0.029 χ^2/NDF:412545.3/41

All: 104.057+/-0.021 χ^2/NDF: 676599.0/79

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -100.817+/-0.678 χ^2/NDF:2276.9/21

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -98.529+/-0.649 χ^2/NDF:2593.2/21

Left: -99.624+/-0.469 χ^2/NDF: 4876.1/43

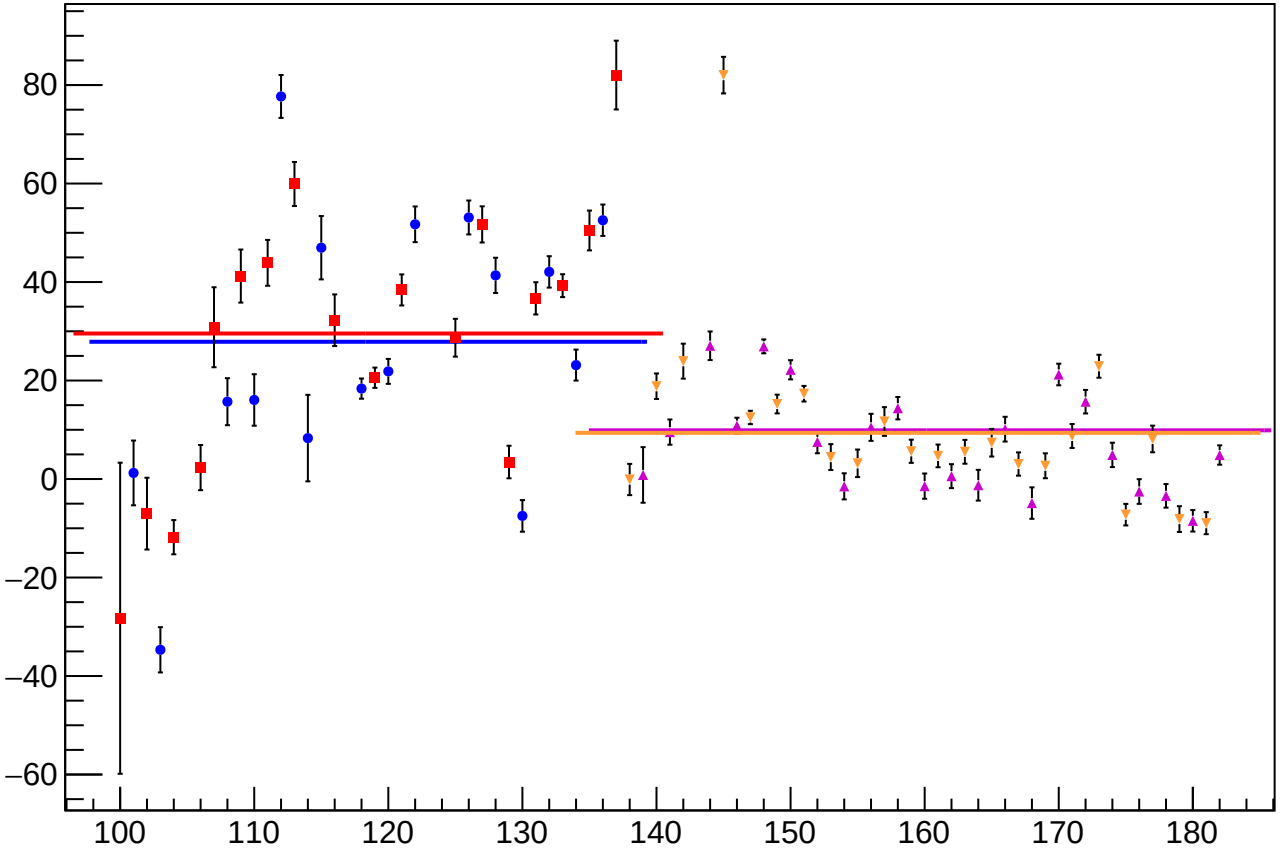
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -106.043+/-0.525 χ^2/NDF:5670.2/37

Out: -108.539+/-0.536 χ^2/NDF:5749.5/39

All: -107.265+/-0.375 χ^2/NDF: 11430.8/77

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: 9.378+/-0.497 χ^2/NDF:698.0/21

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 9.888+/-0.492 χ^2/NDF:485.3/21

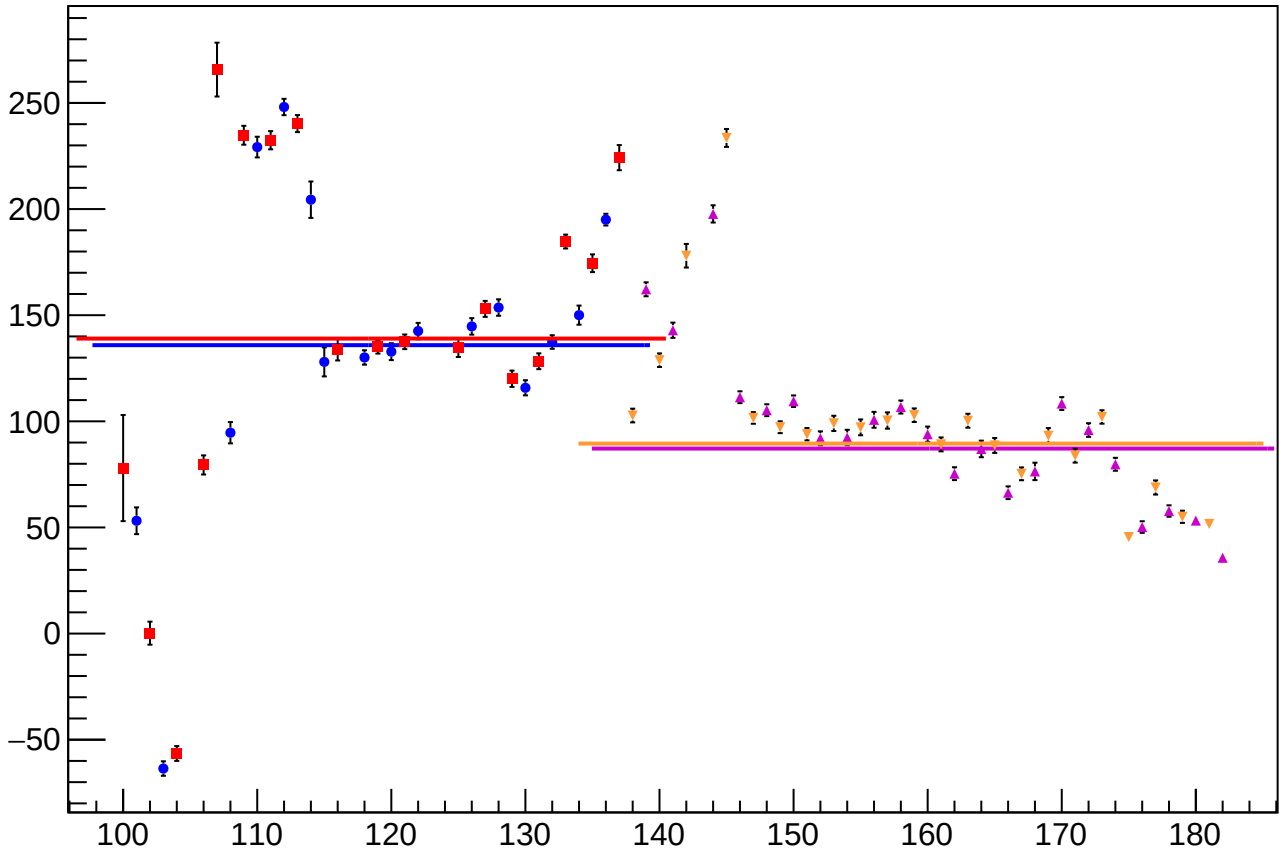
Left: 9.636+/-0.349 χ^2/NDF: 1183.8/43

Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 14.108+/-0.430 χ^2/NDF:1498.7/37

Out: 14.170+/-0.434 χ^2/NDF:1587.6/39

All: 14.139+/-0.305 χ^2/NDF: 3086.3/77



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 89.523+/-0.668 χ^2/NDF:2571.9/21

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 87.167+/-0.642 χ^2/NDF:3092.5/21

Left: 88.297+/-0.463 χ^2/NDF: 5670.9/43

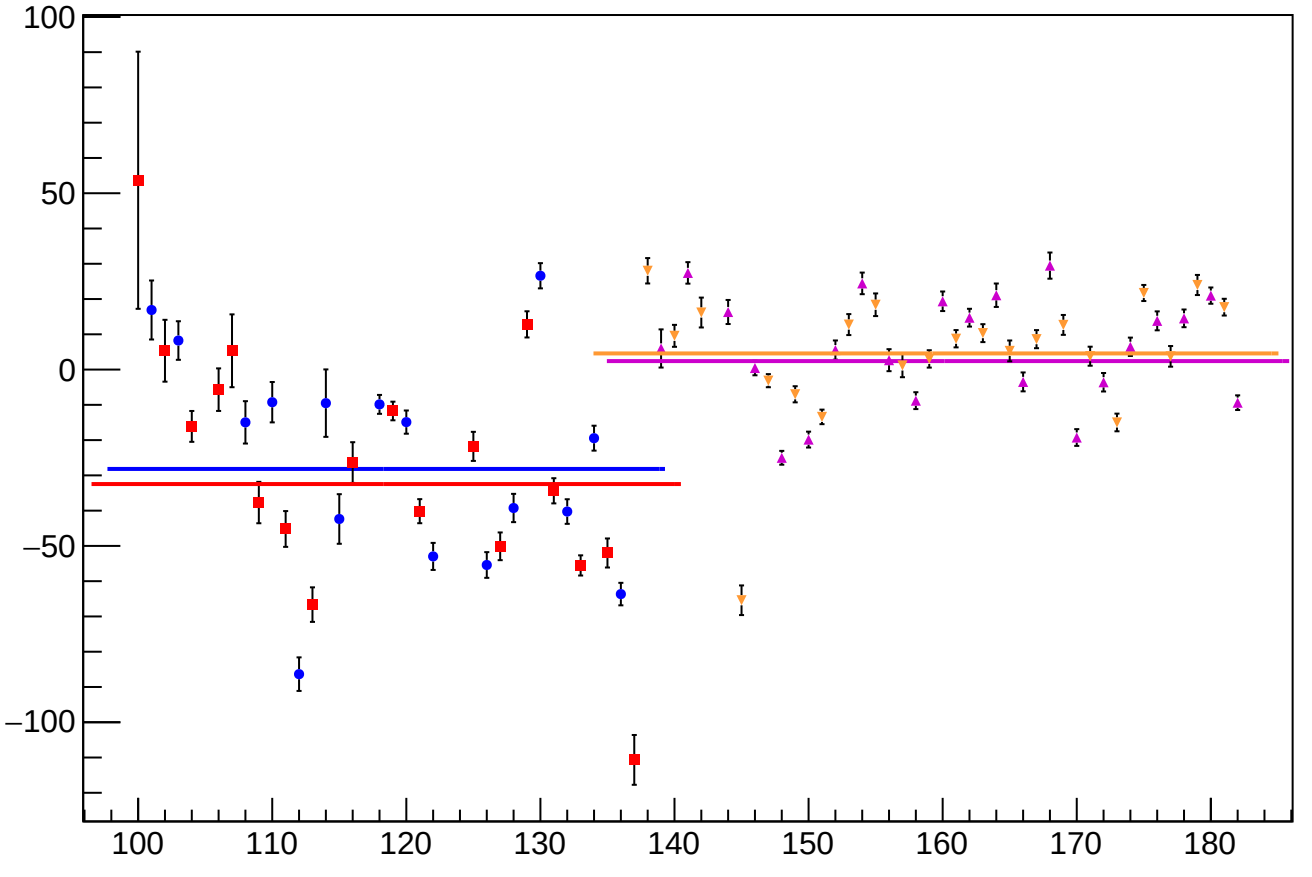
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 101.404+/-0.540 χ^2/NDF:10240.9/37

Out: 104.818+/-0.555 χ^2/NDF:10424.1/39

All: 103.063+/-0.387 χ^2/NDF: 20684.5/77

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: 4.577+/-0.569 χ^2/NDF:689.8/21

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 2.405+/-0.558 χ^2/NDF:833.8/21

Left: 3.470+/-0.398 χ^2/NDF: 1531.0/43

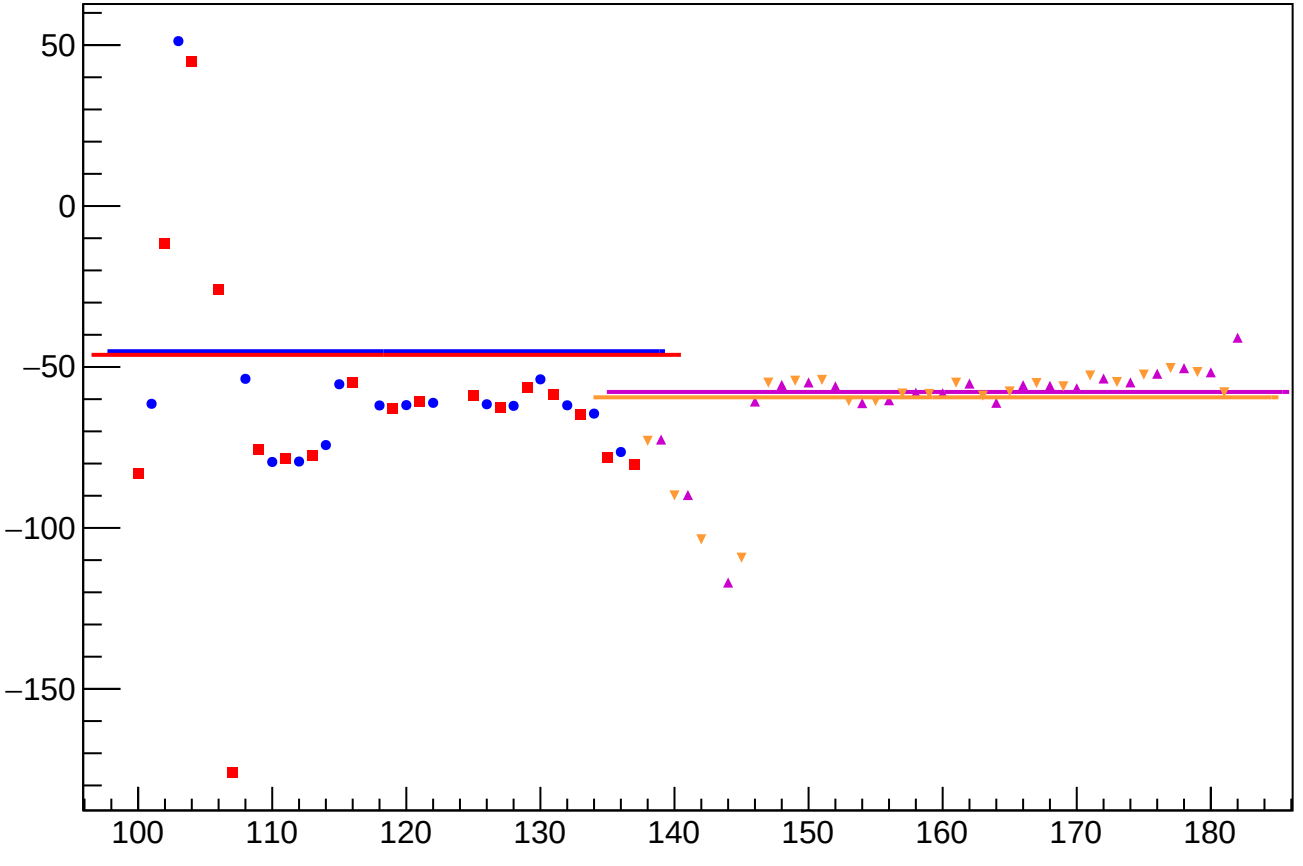
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -4.609+/-0.490 χ^2/NDF:2314.6/37

Out: -4.107+/-0.497 χ^2/NDF:2265.5/39

All: -4.362+/-0.349 χ^2/NDF: 4580.7/77

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: -59.425+/-0.026 χ^2/NDF:213369.5/21

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -57.757+/-0.025 χ^2/NDF:218269.6/21

Left: -58.559+/-0.018 χ^2/NDF: 433764.3/43

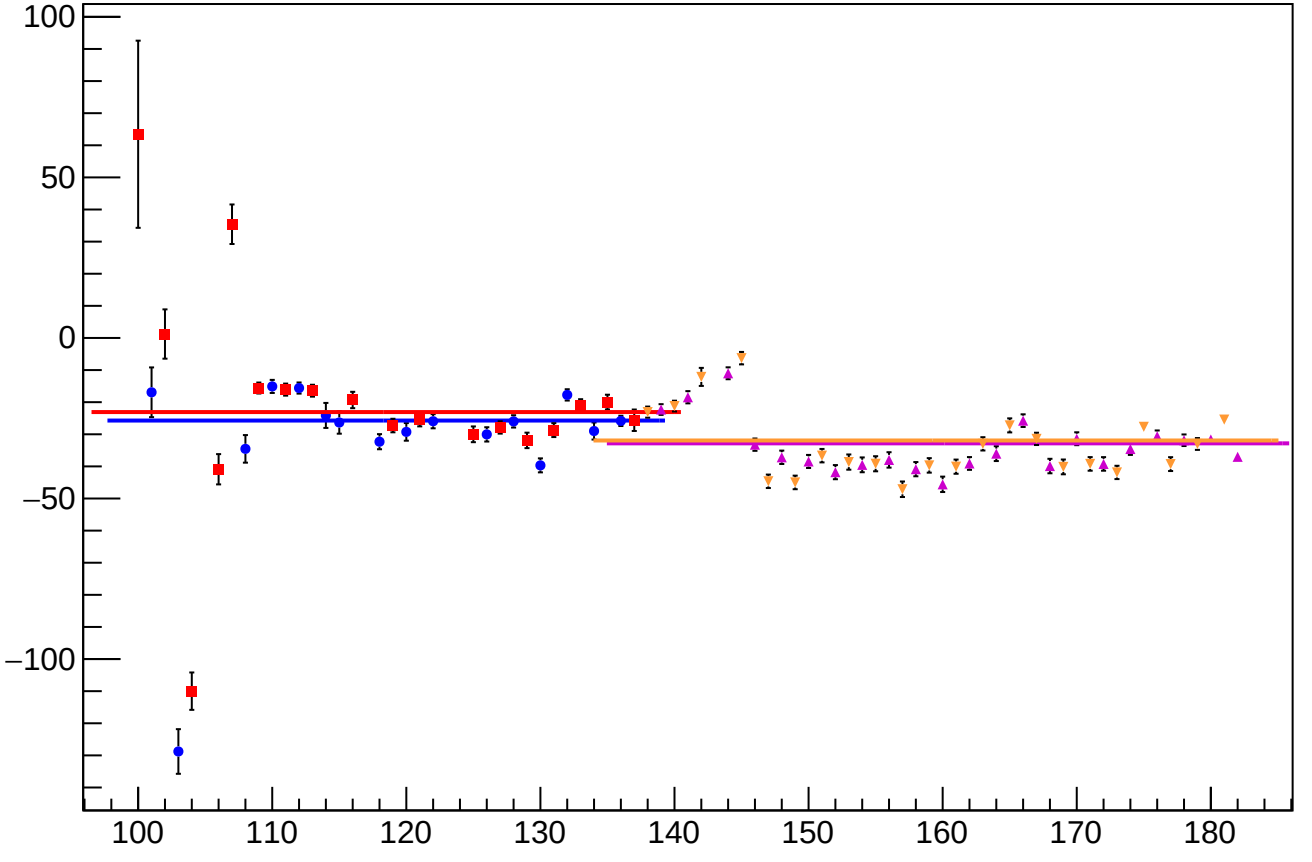
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -55.882+/-0.023 χ^2/NDF:831157.3/37

Out: -57.473+/-0.024 χ^2/NDF:744866.6/39

All: -56.646+/-0.017 χ^2/NDF: 1578291.8/77

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: -31.931+/-0.424 χ^2/NDF:550.7/21

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.822+/-0.416 χ^2/NDF:372.7/21

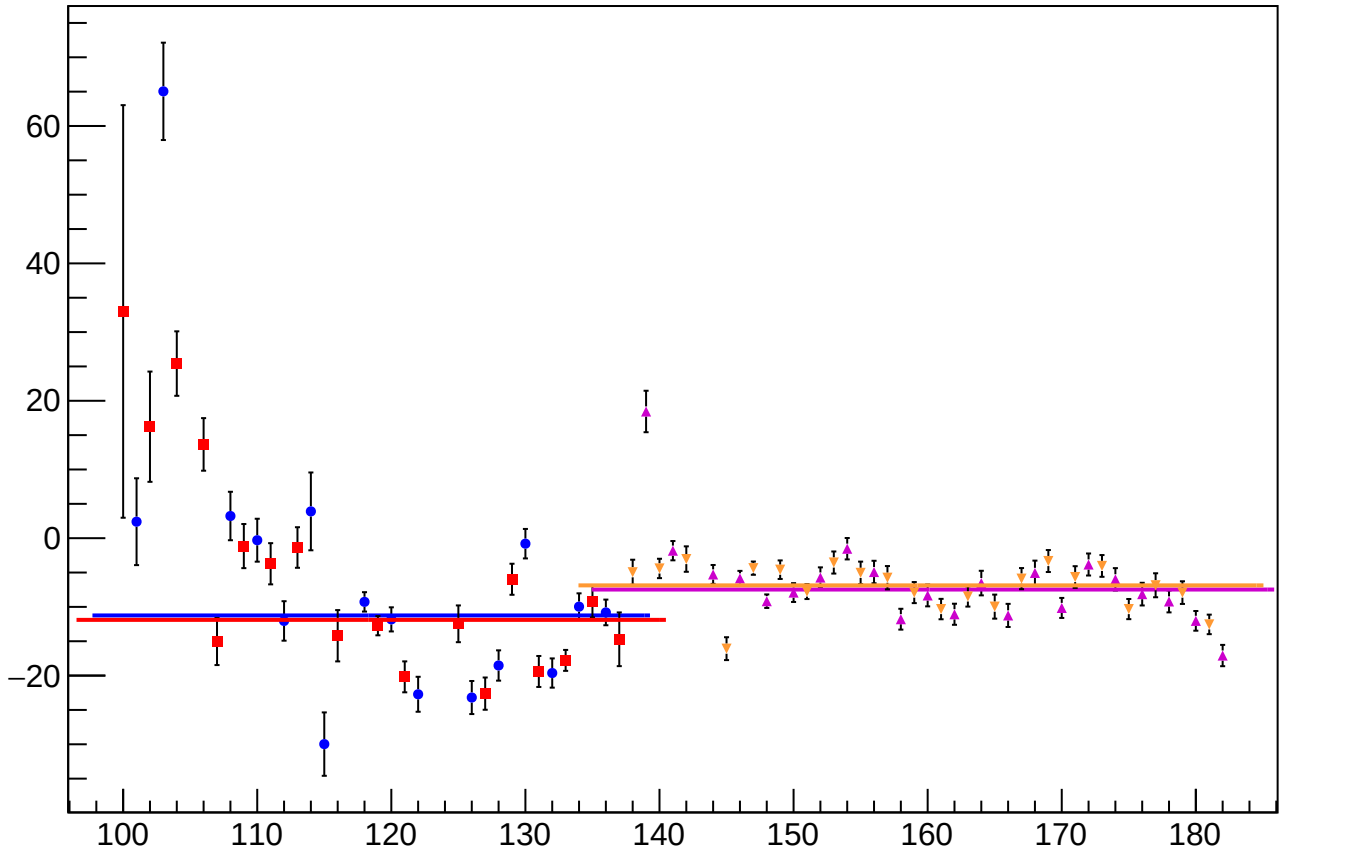
Left: -32.384+/-0.297 χ^2/NDF: 925.7/43

Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -30.464+/-0.340 χ^2/NDF:832.4/37

Out: -28.865+/-0.342 χ^2/NDF:1139.1/39

All: -29.670+/-0.241 χ^2/NDF: 1982.5/77



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.868+/-0.317 χ^2/NDF:96.5/21

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -7.475+/-0.317 χ^2/NDF:196.4/21

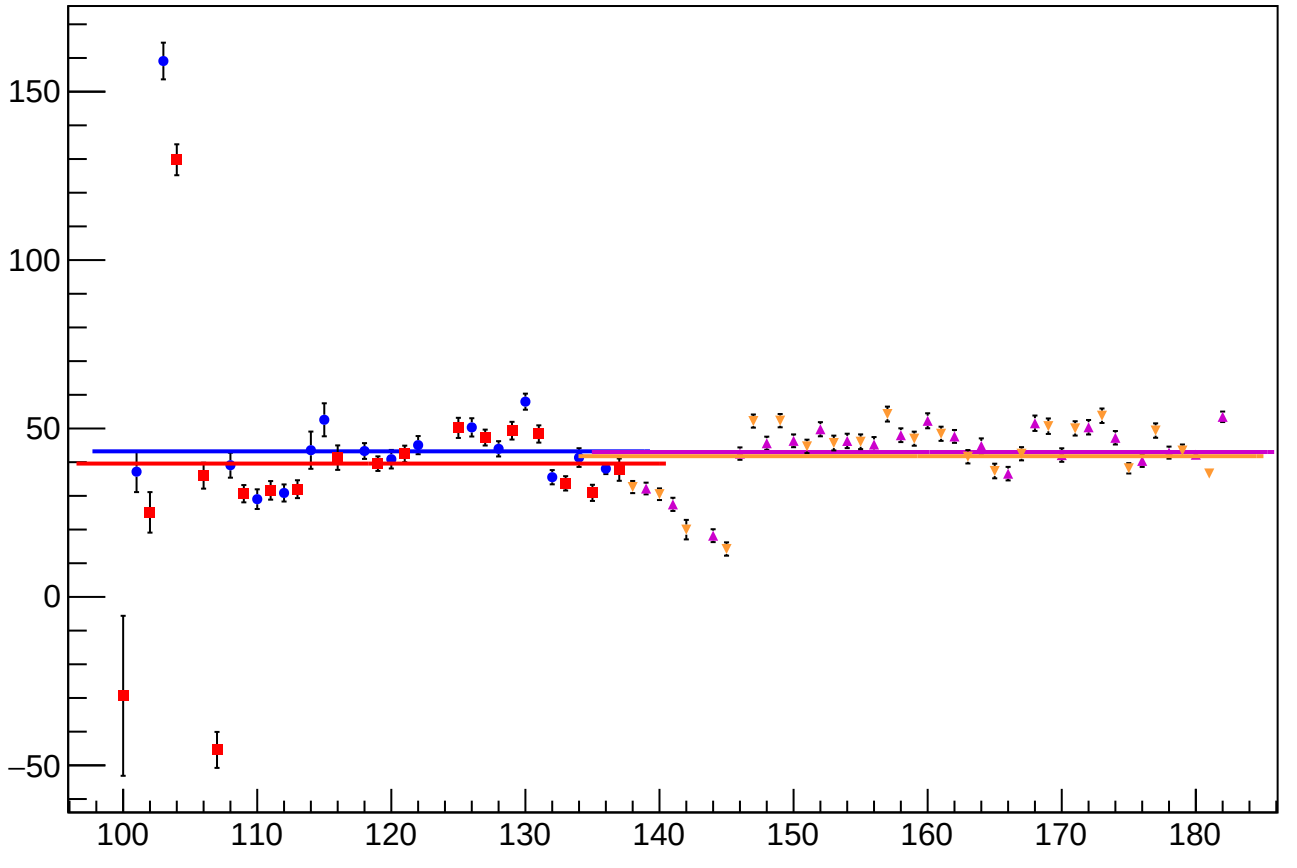
Left: -7.171+/-0.224 χ^2/NDF: 294.7/43

Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -8.300+/-0.281 χ^2/NDF:498.3/37

Out: -7.944+/-0.281 χ^2/NDF:374.7/39

All: -8.122+/-0.199 χ^2/NDF: 873.9/77



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 41.781+/-0.419 χ^2/NDF:531.7/21

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 43.020+/-0.412 χ^2/NDF:406.9/21

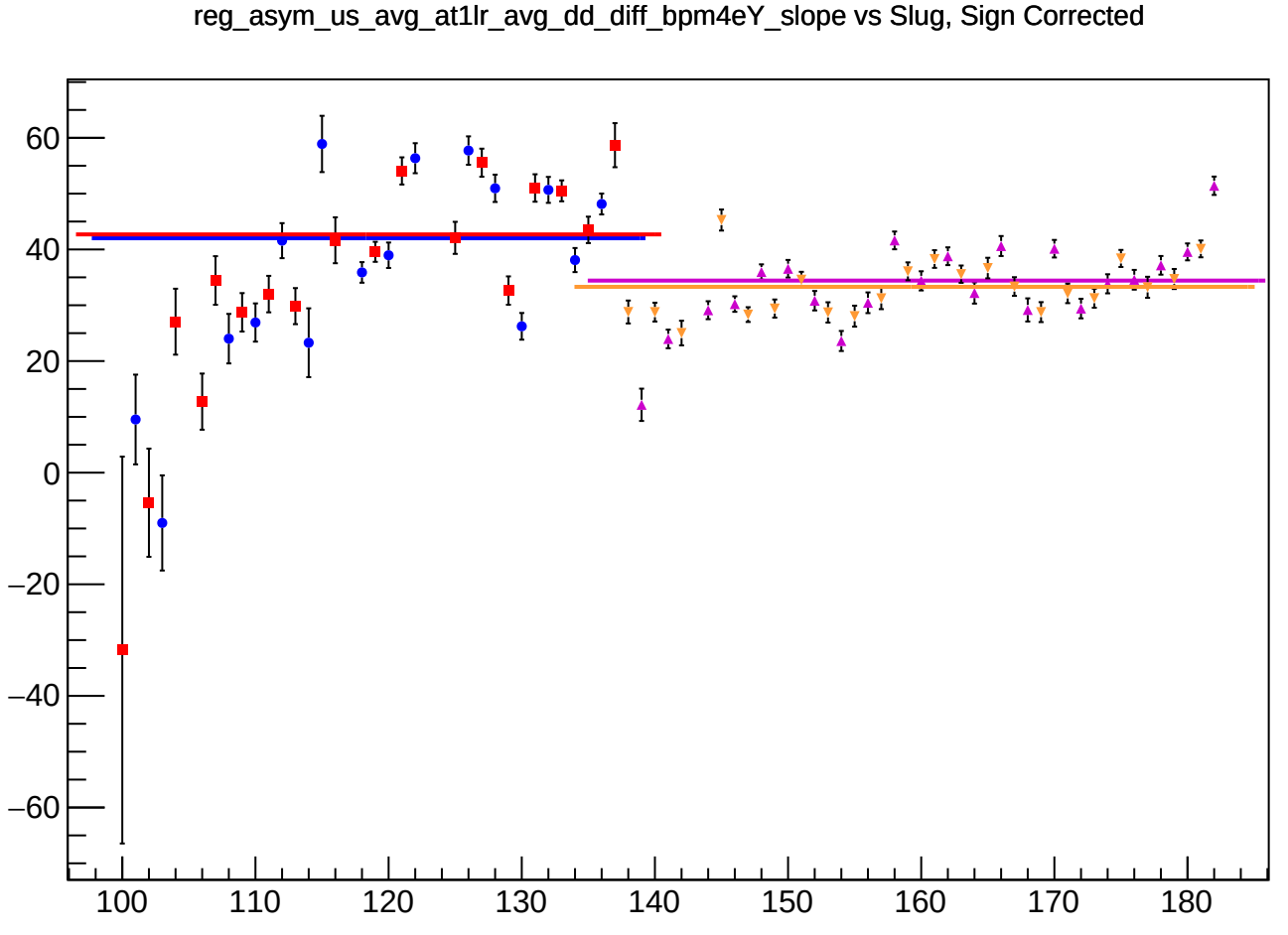
Left: 42.411+/-0.293 χ^2/NDF: 943.0/43

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 43.074+/-0.352 χ^2/NDF:983.0/37

Out: 41.184+/-0.357 χ^2/NDF:1293.1/39

All: 42.143+/-0.251 χ^2/NDF: 2290.3/77



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 33.298+/-0.361 χ^2/NDF:161.2/21

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 34.419+/-0.359 χ^2/NDF:357.1/21

Left: 33.861+/-0.255 χ^2/NDF: 523.1/43

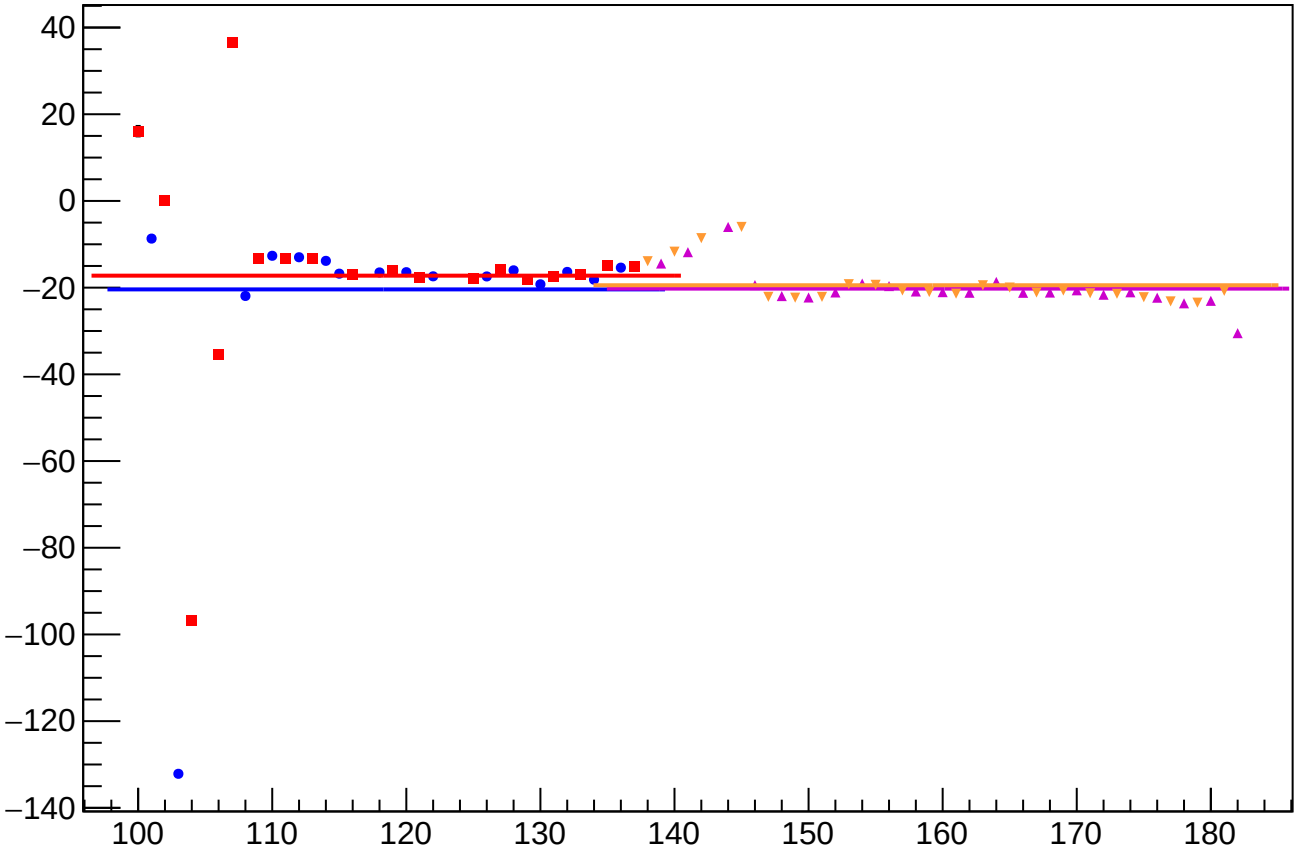
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 36.061+/-0.318 χ^2/NDF:726.2/37

Out: 35.295+/-0.320 χ^2/NDF:535.6/39

All: 35.681+/-0.226 χ^2/NDF: 1264.7/77

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: -19.449+/-0.016 χ^2/NDF:68017.0/21

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -20.226+/-0.016 χ^2/NDF:74797.5/21

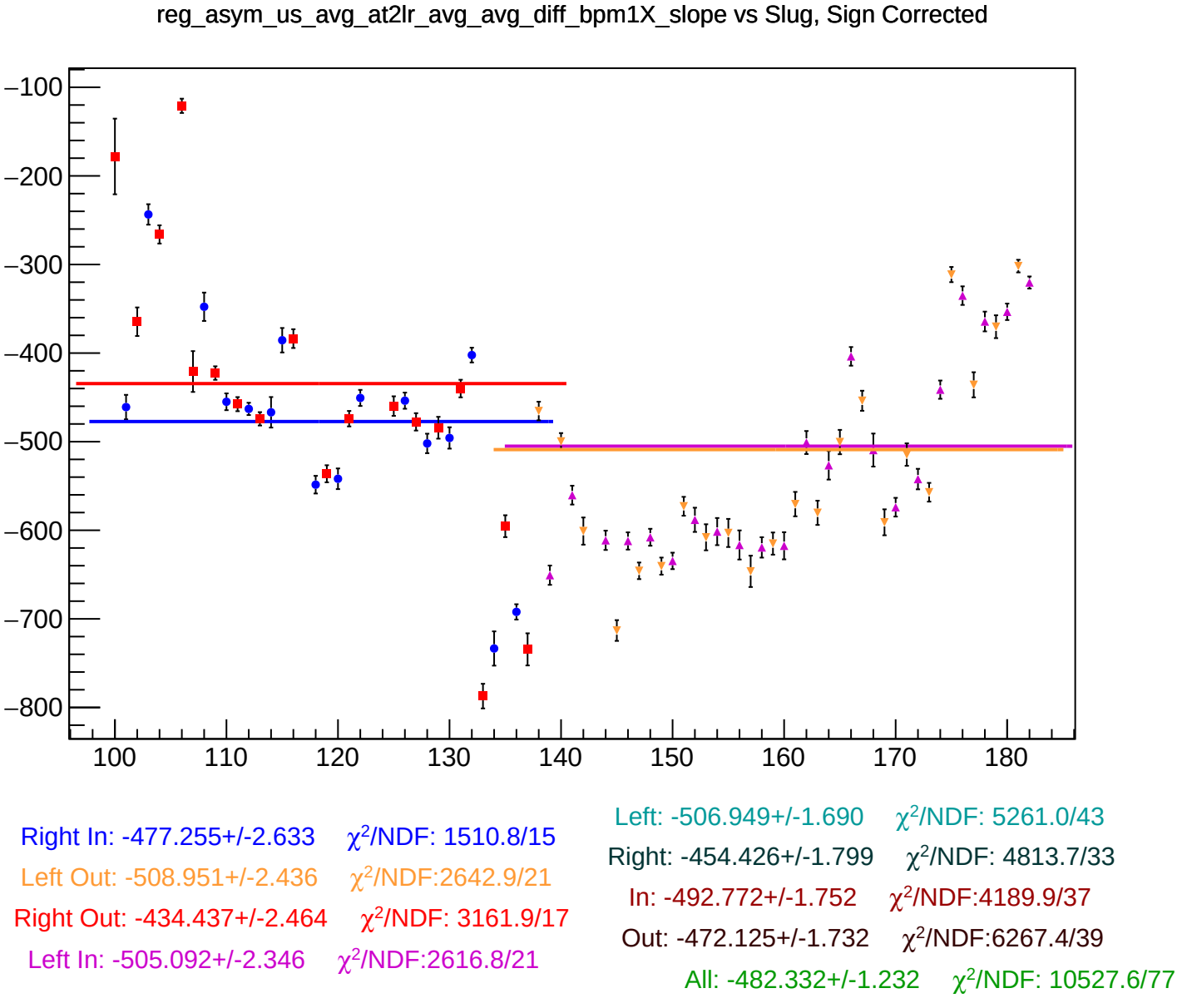
Left: -19.846+/-0.011 χ^2/NDF: 143979.5/43

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

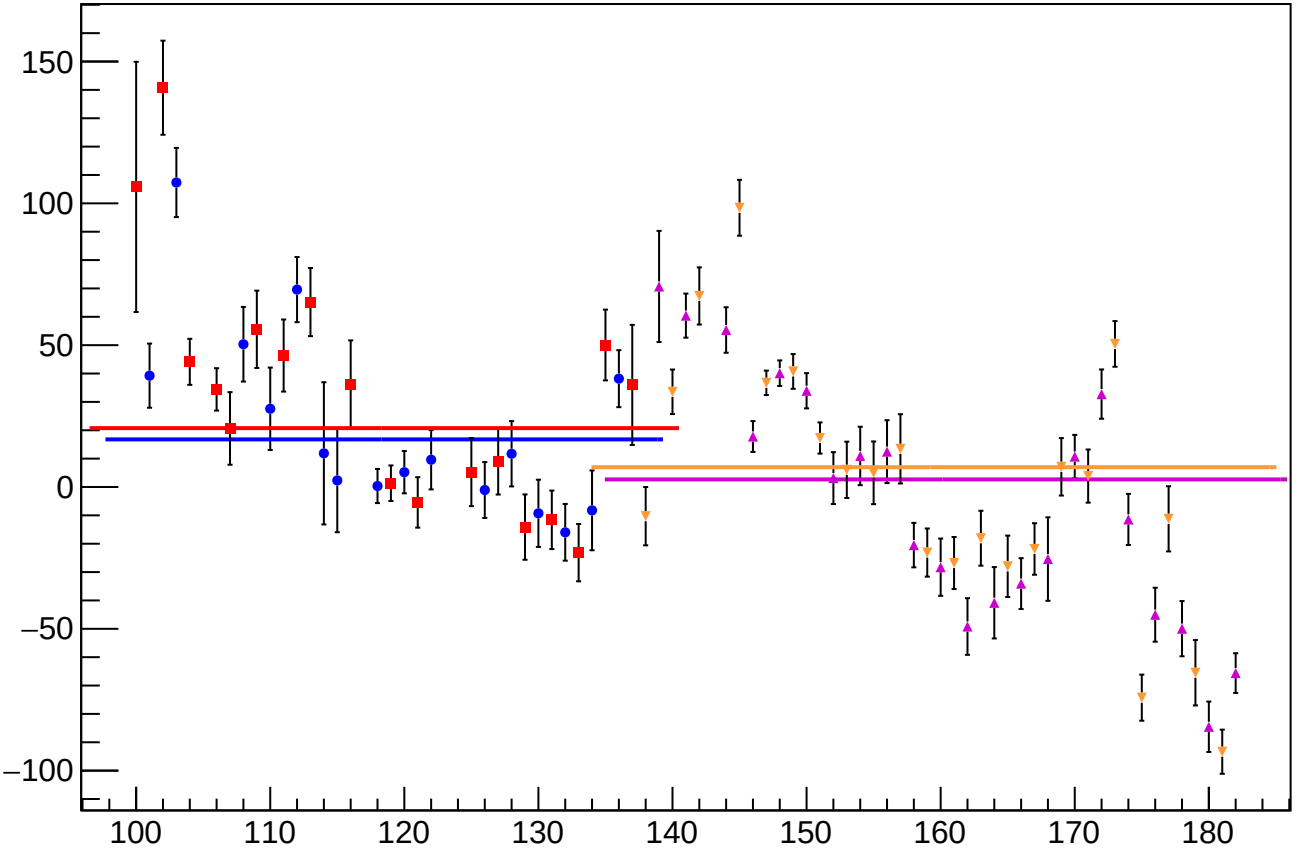
In: -20.249+/-0.015 χ^2/NDF:320425.2/37

Out: -19.183+/-0.015 χ^2/NDF:274889.9/39

All: -19.730+/-0.011 χ^2/NDF: 597810.9/77


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
110
120
130
140
150
160
170
180
Right In: -477.255+/-2.633 χ²/NDF: 1510.8/15
Left Out: -508.951+/-2.436 χ²/NDF:2642.9/21
Right Out: -434.437+/-2.464 χ²/NDF: 3161.9/17
Left In: -505.092+/-2.346 χ²/NDF:2616.8/21
Left: -506.949+/-1.690 χ²/NDF: 5261.0/43
Right: -454.426+/-1.799 χ²/NDF: 4813.7/33
In: -492.772+/-1.752 χ²/NDF:4189.9/37
Out: -472.125+/-1.732 χ²/NDF:6267.4/39
All: -482.332+/-1.232 χ²/NDF: 10527.6/77

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: 6.979+/-1.754 χ^2/NDF:609.1/21

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 2.673+/-1.740 χ^2/NDF:552.9/21

Left: 4.809+/-1.235 χ^2/NDF: 1165.1/43

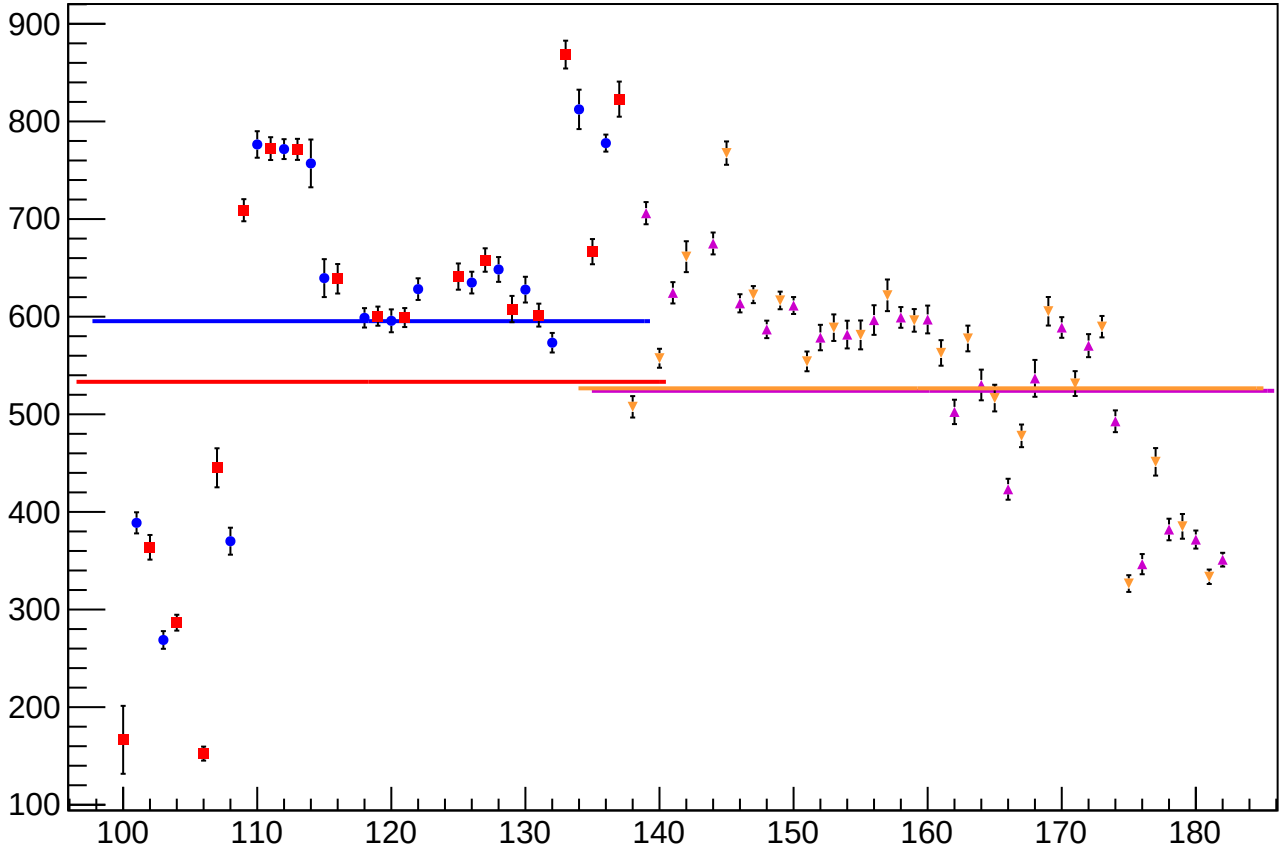
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 6.914+/-1.455 χ^2/NDF:697.7/37

Out: 11.404+/-1.445 χ^2/NDF:786.9/39

All: 9.176+/-1.025 χ^2/NDF: 1489.4/77

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: 526.600+/-2.405 χ^2/NDF:2305.7/21

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 524.061+/-2.319 χ^2/NDF:2386.0/21

Left: 525.285+/-1.669 χ^2/NDF: 4692.3/43

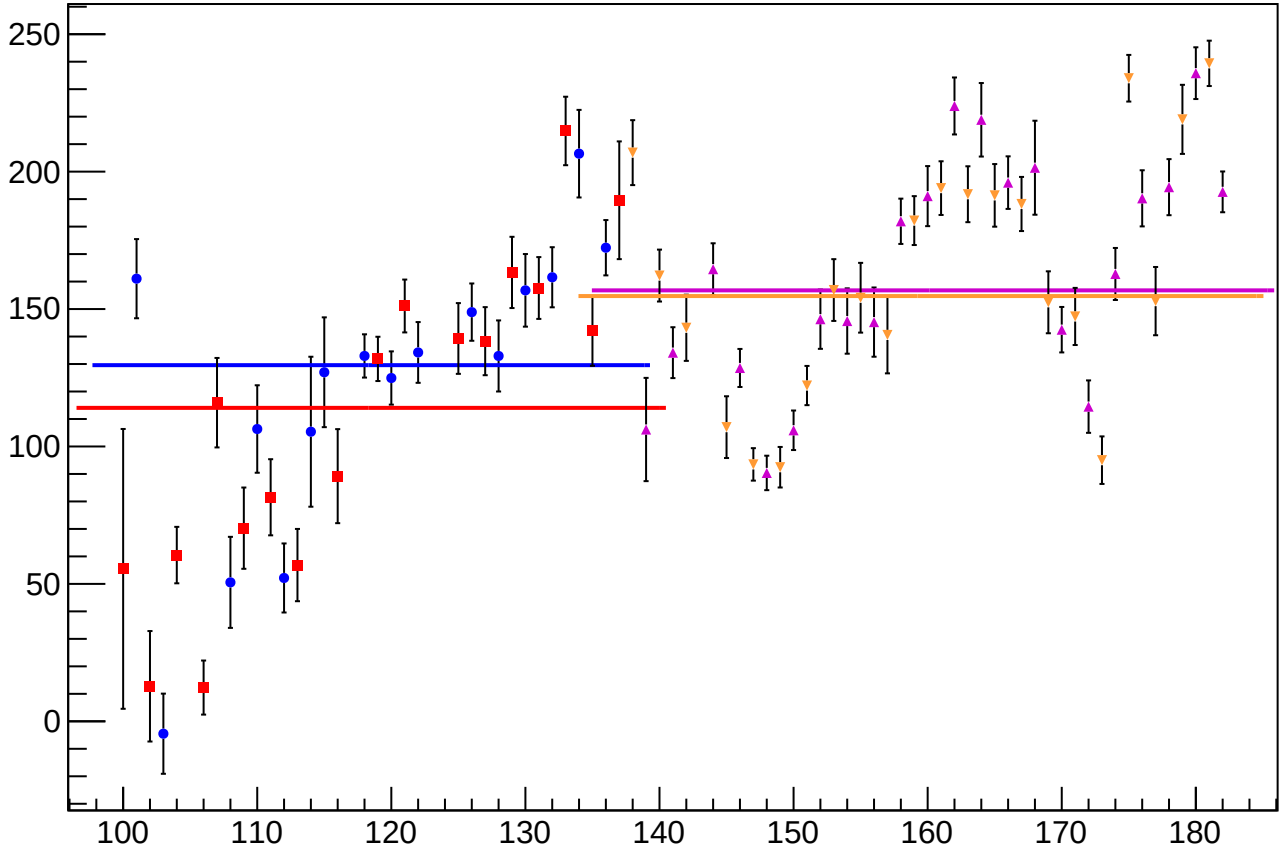
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 551.550+/-1.818 χ^2/NDF:5810.3/37

Out: 529.501+/-1.809 χ^2/NDF:8811.9/39

All: 540.469+/-1.283 χ^2/NDF: 14696.1/77

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: 154.728+/-2.034 χ^2/NDF:567.5/21

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 156.801+/-1.995 χ^2/NDF:443.0/21

Left: 155.784+/-1.424 χ^2/NDF: 1011.1/43

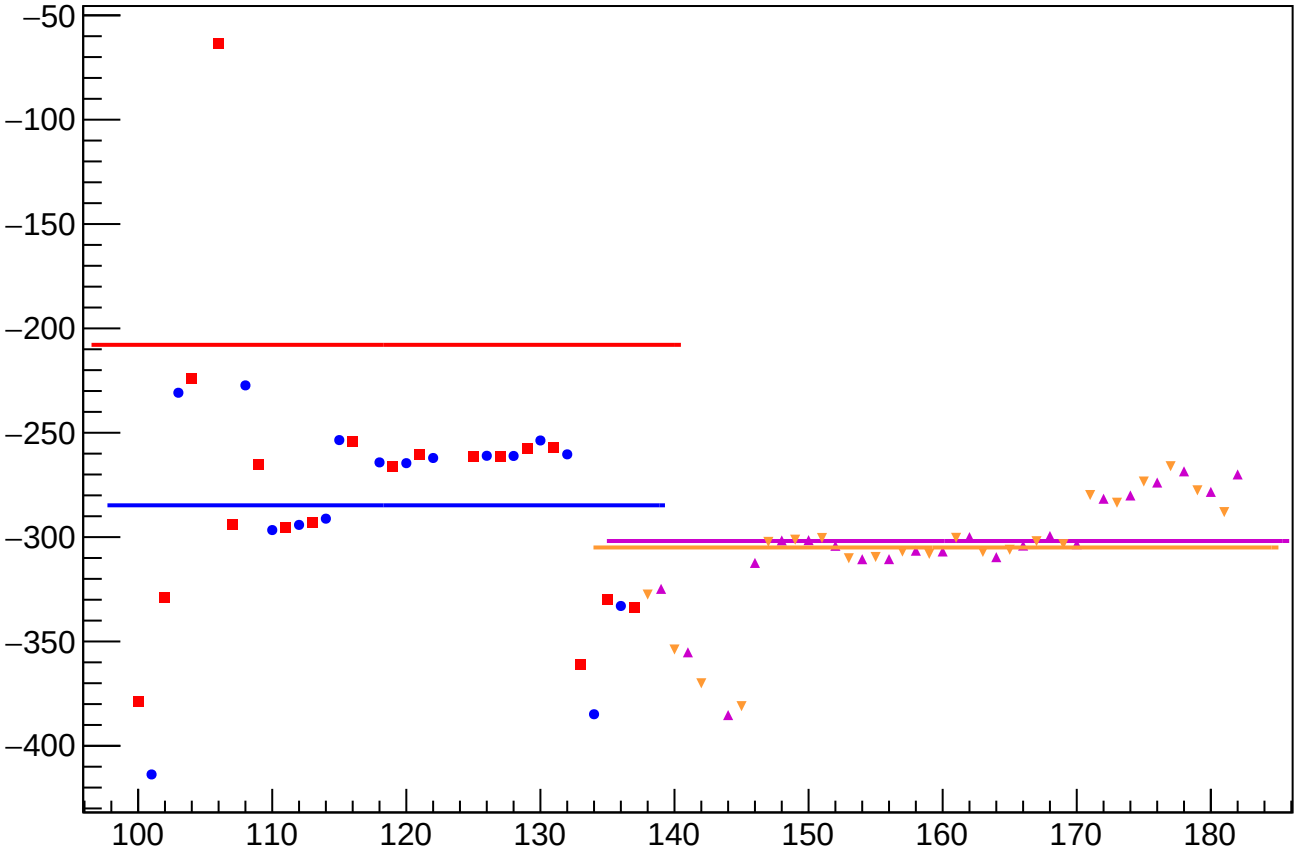
Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 148.758+/-1.675 χ^2/NDF:709.2/37

Out: 141.780+/-1.679 χ^2/NDF:1030.8/39

All: 145.278+/-1.186 χ^2/NDF: 1748.7/77

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -304.964+/-0.095 χ^2/NDF:74646.7/21

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -301.865+/-0.091 χ^2/NDF:73189.1/21

Left: -303.347+/-0.066 χ^2/NDF: 148387.5/43

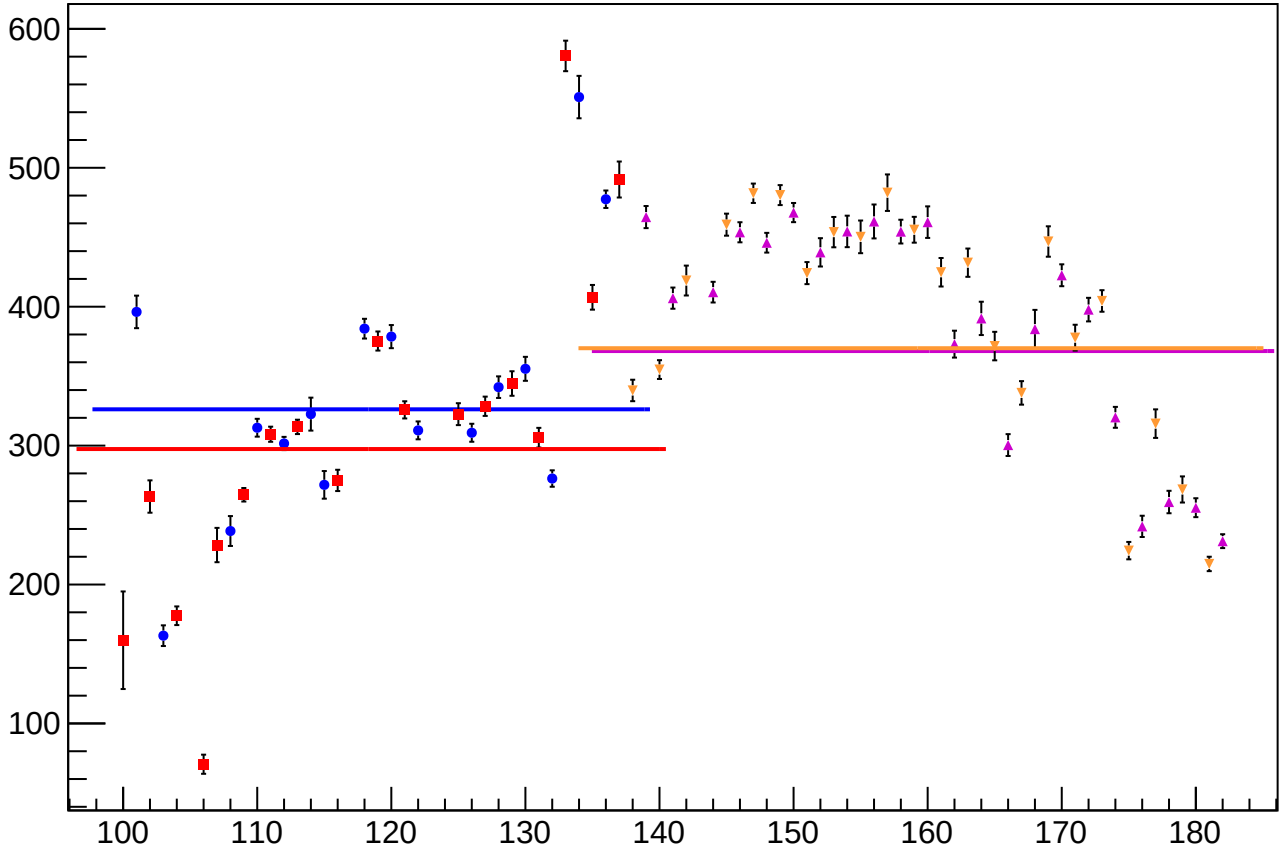
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -298.292+/-0.081 χ^2/NDF:184897.0/37

Out: -276.739+/-0.080 χ^2/NDF:913150.3/39

All: -287.395+/-0.057 χ^2/NDF: 1133708.1/77

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 370.116+/-1.783 χ^2/NDF:2698.3/21

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 368.076+/-1.722 χ^2/NDF:2665.4/21

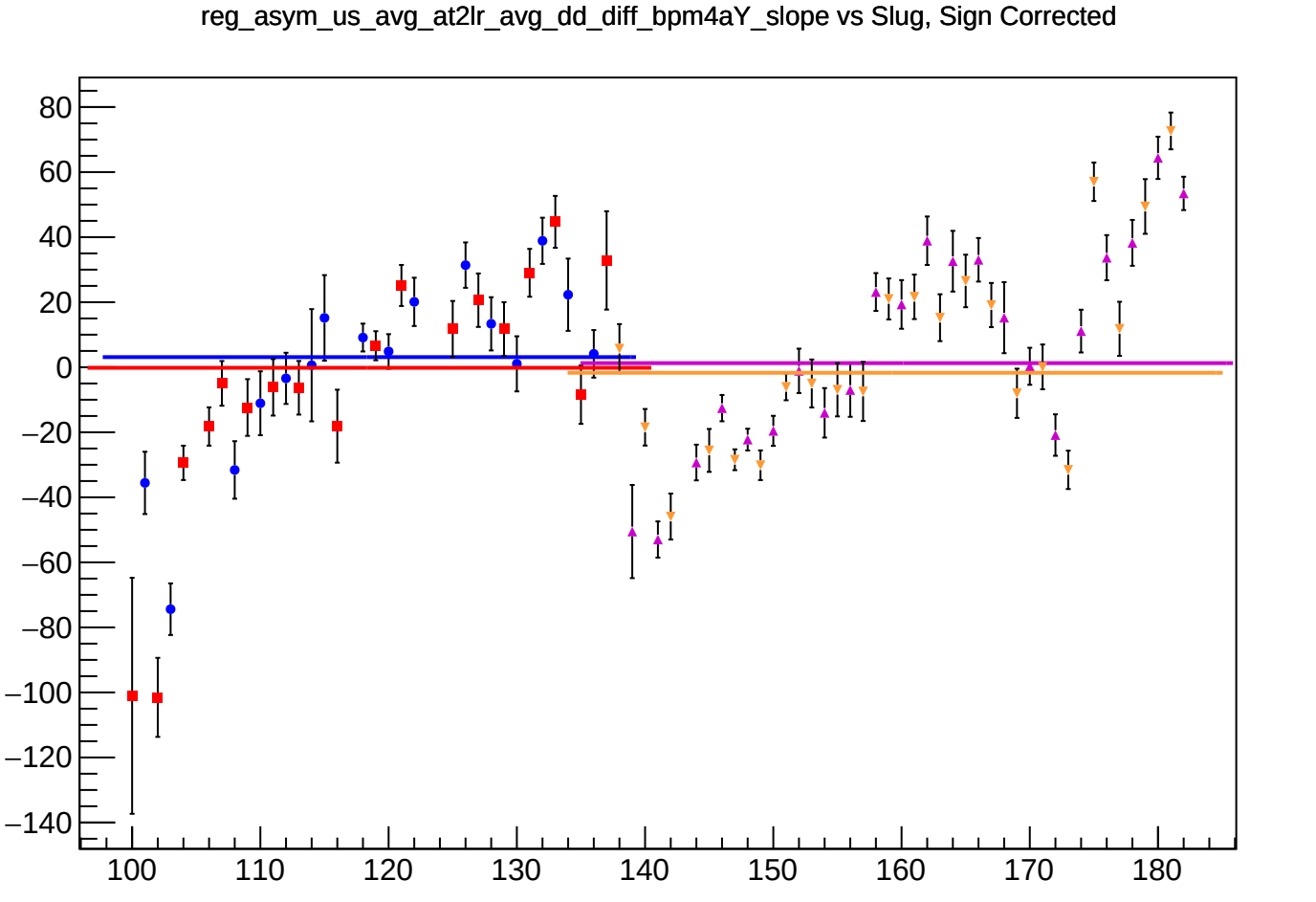
Left: 369.060+/-1.239 χ^2/NDF: 5364.4/43

Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 348.687+/-1.262 χ^2/NDF:4582.8/37

Out: 332.825+/-1.243 χ^2/NDF:6324.9/39

All: 340.636+/-0.886 χ^2/NDF: 10987.8/77



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -1.712+/-1.290 χ^2/NDF:562.1/21

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: 1.257+/-1.280 χ^2/NDF:568.0/21

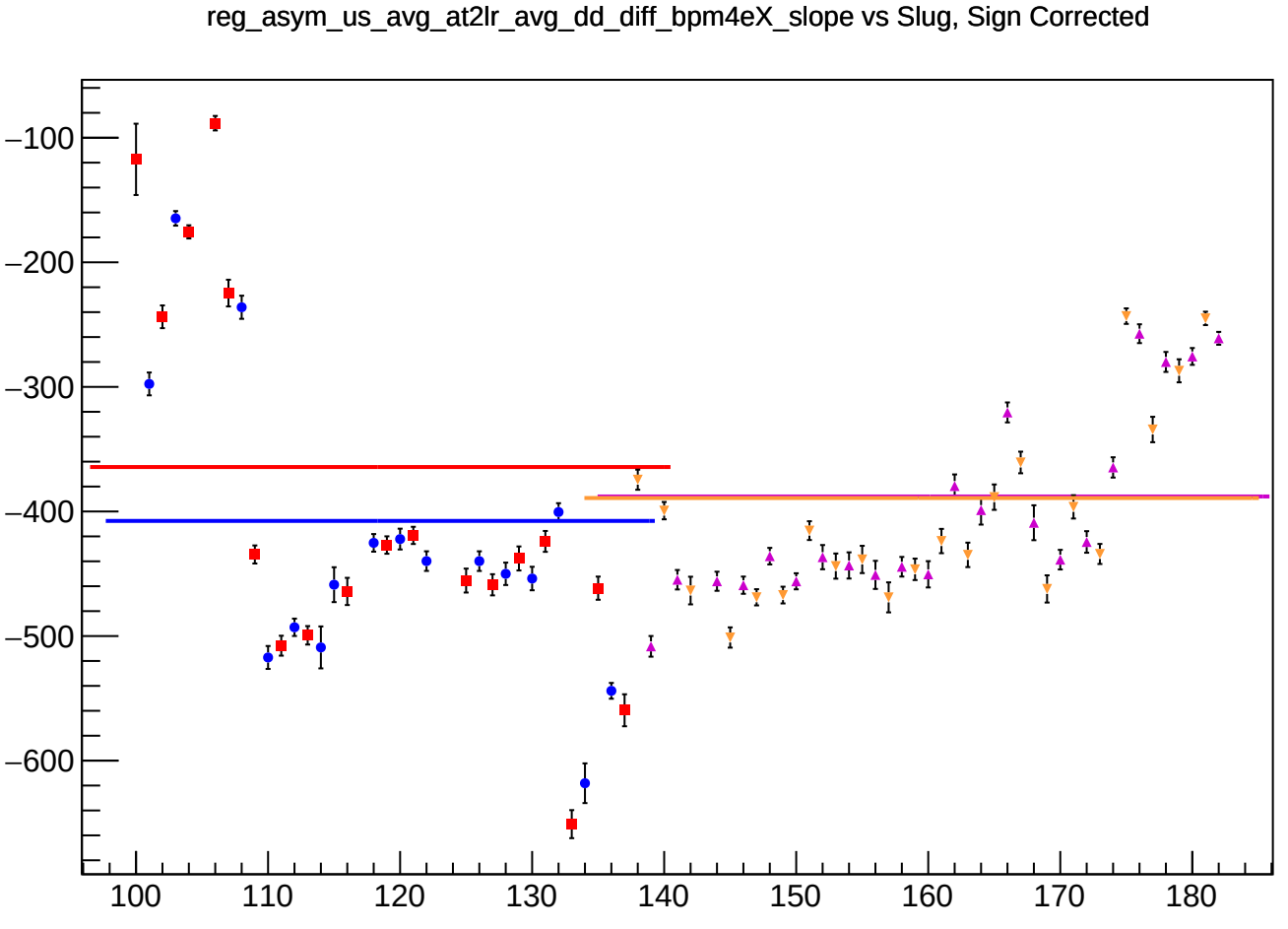
Left: -0.217+/-0.909 χ^2/NDF: 1132.8/43

Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: 1.836+/-1.060 χ^2/NDF:753.2/37

Out: -1.189+/-1.047 χ^2/NDF:767.8/39

All: 0.304+/-0.745 χ^2/NDF: 1525.1/77



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -389.201+/-1.763 χ^2/NDF:2212.7/21

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -387.955+/-1.703 χ^2/NDF:2305.7/21

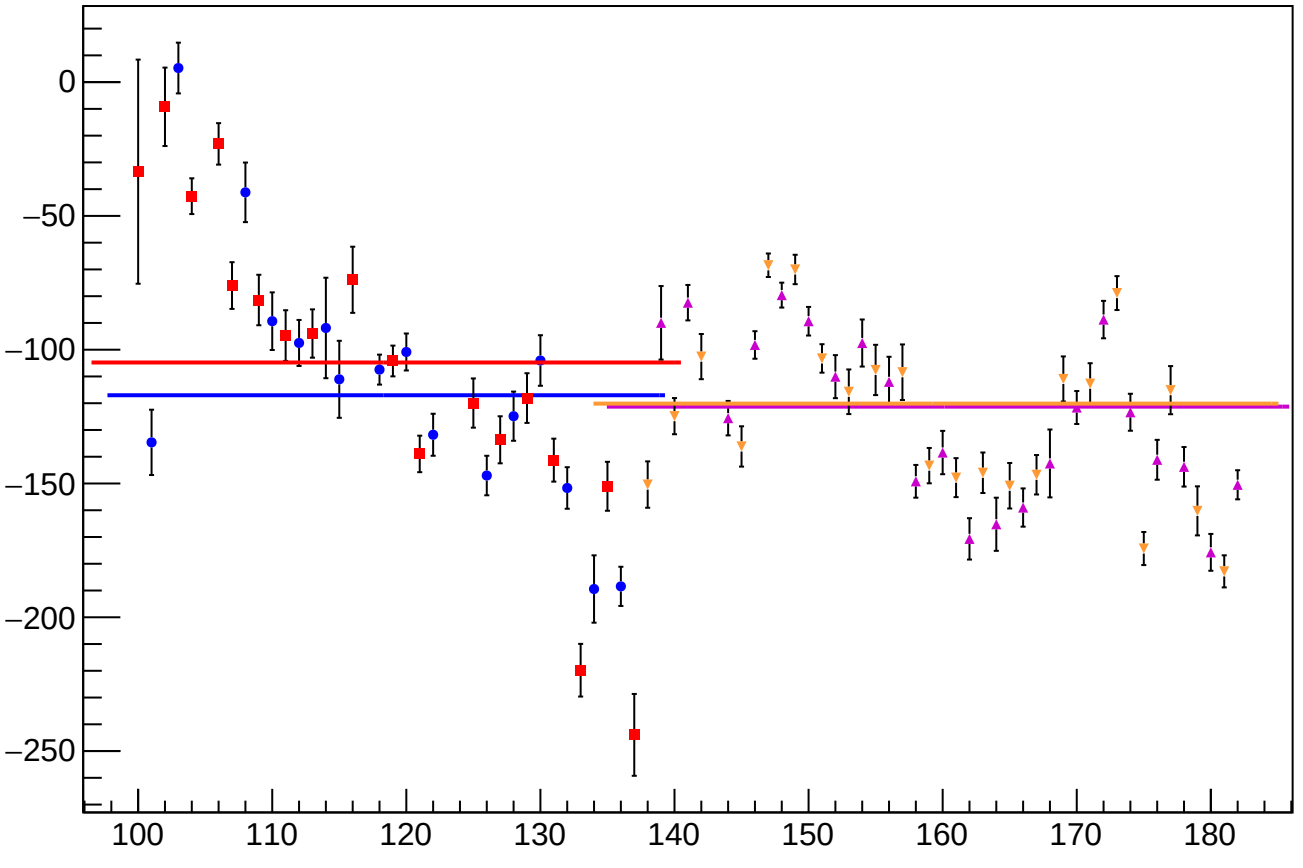
Left: -388.557+/-1.225 χ^2/NDF: 4518.7/43

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -395.859+/-1.316 χ^2/NDF:5639.7/37

Out: -377.965+/-1.305 χ^2/NDF:8523.1/39

All: -386.838+/-0.927 χ^2/NDF: 14256.0/77



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -120.152+/-1.494 χ^2/NDF:571.1/21

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -121.277+/-1.467 χ^2/NDF:432.0/21

Left: -120.725+/-1.047 χ^2/NDF: 1003.4/43

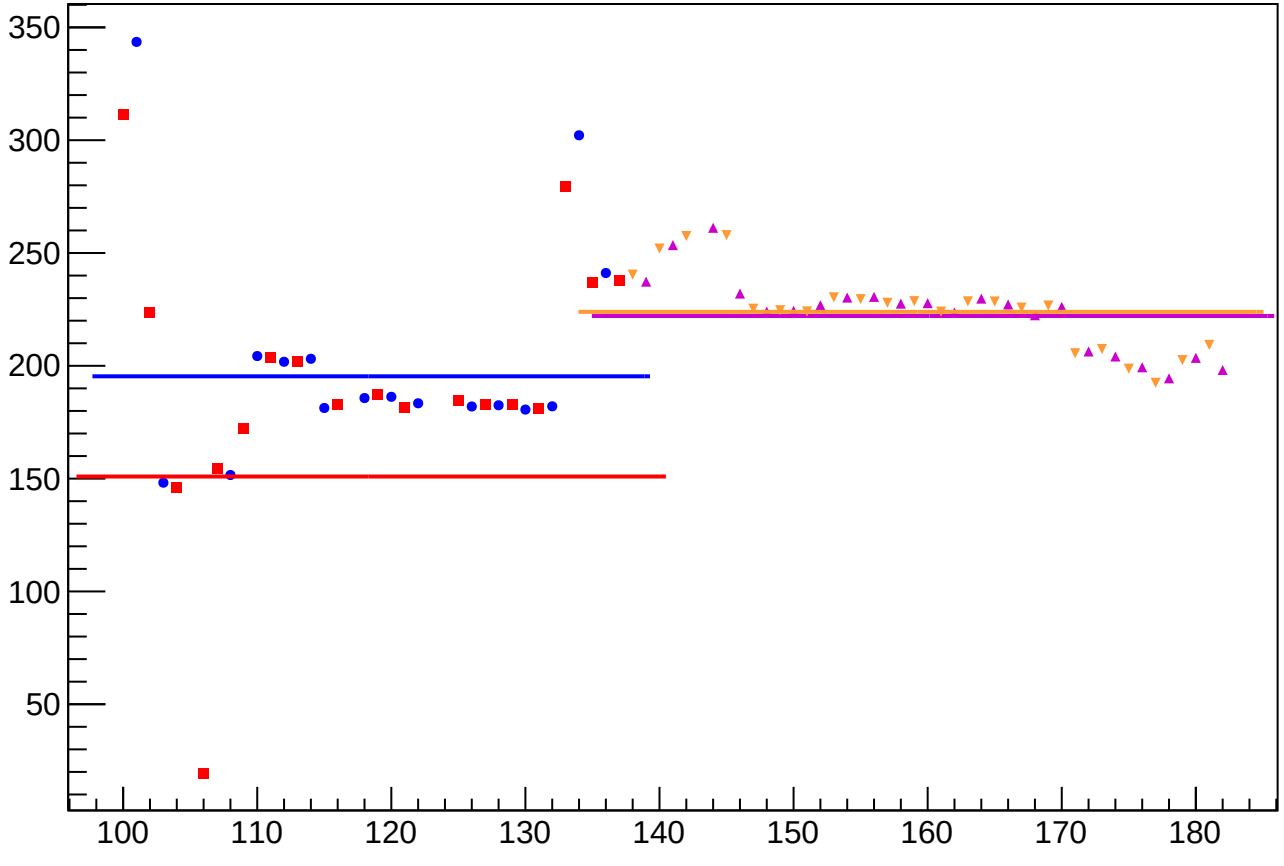
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -119.962+/-1.220 χ^2/NDF:842.5/37

Out: -114.955+/-1.216 χ^2/NDF:1182.0/39

All: -117.450+/-0.861 χ^2/NDF: 2032.9/77

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: 223.930+/-0.070 χ^2/NDF:55661.7/21

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 222.078+/-0.067 χ^2/NDF:60014.0/21

Left: 222.965+/-0.048 χ^2/NDF: 116040.9/43

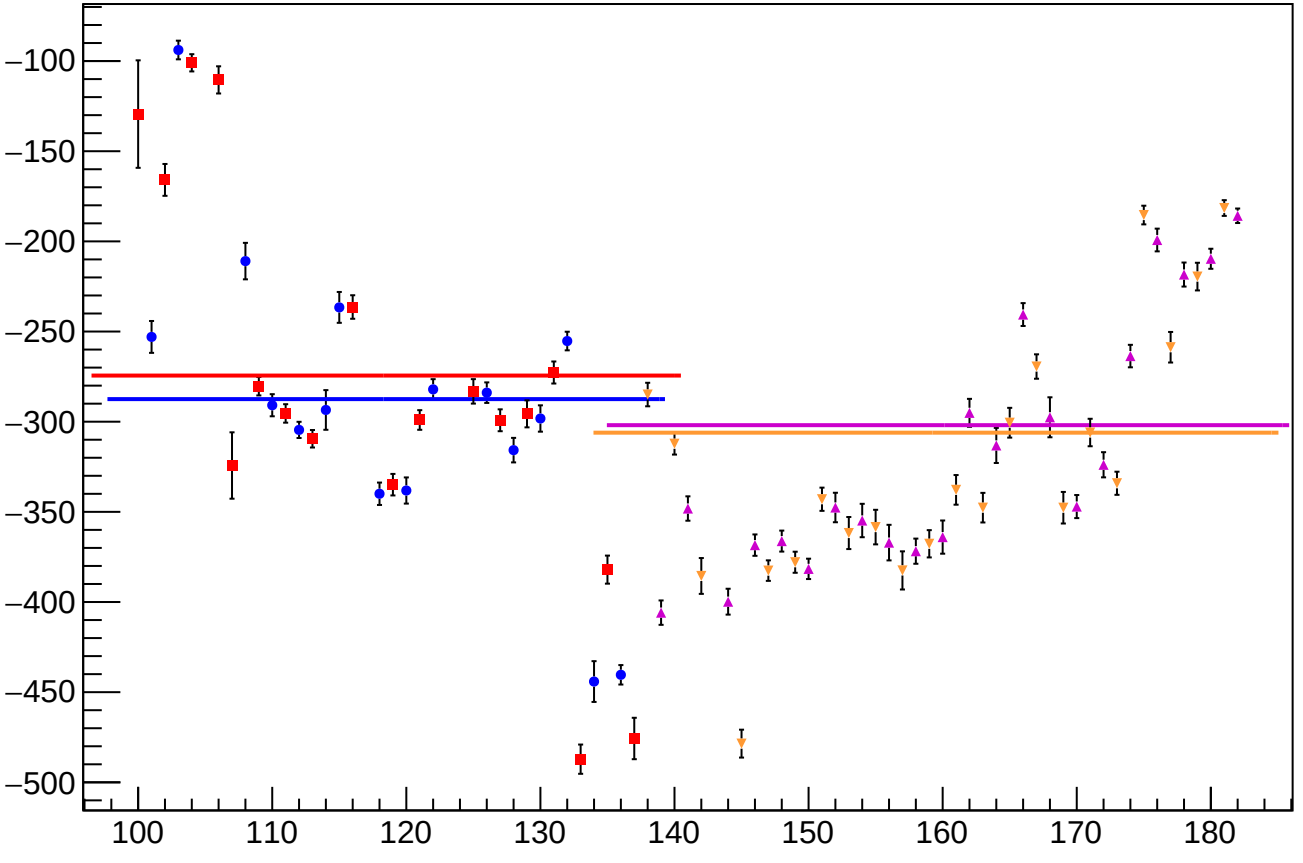
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 216.069+/-0.059 χ^2/NDF:272638.8/37

Out: 202.948+/-0.059 χ^2/NDF:867743.1/39

All: 209.506+/-0.042 χ^2/NDF: 1165044.8/77

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: -306.087+/-1.484 χ^2/NDF:2754.9/21

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -301.925+/-1.422 χ^2/NDF:2894.6/21

Left: -303.917+/-1.027 χ^2/NDF: 5653.6/43

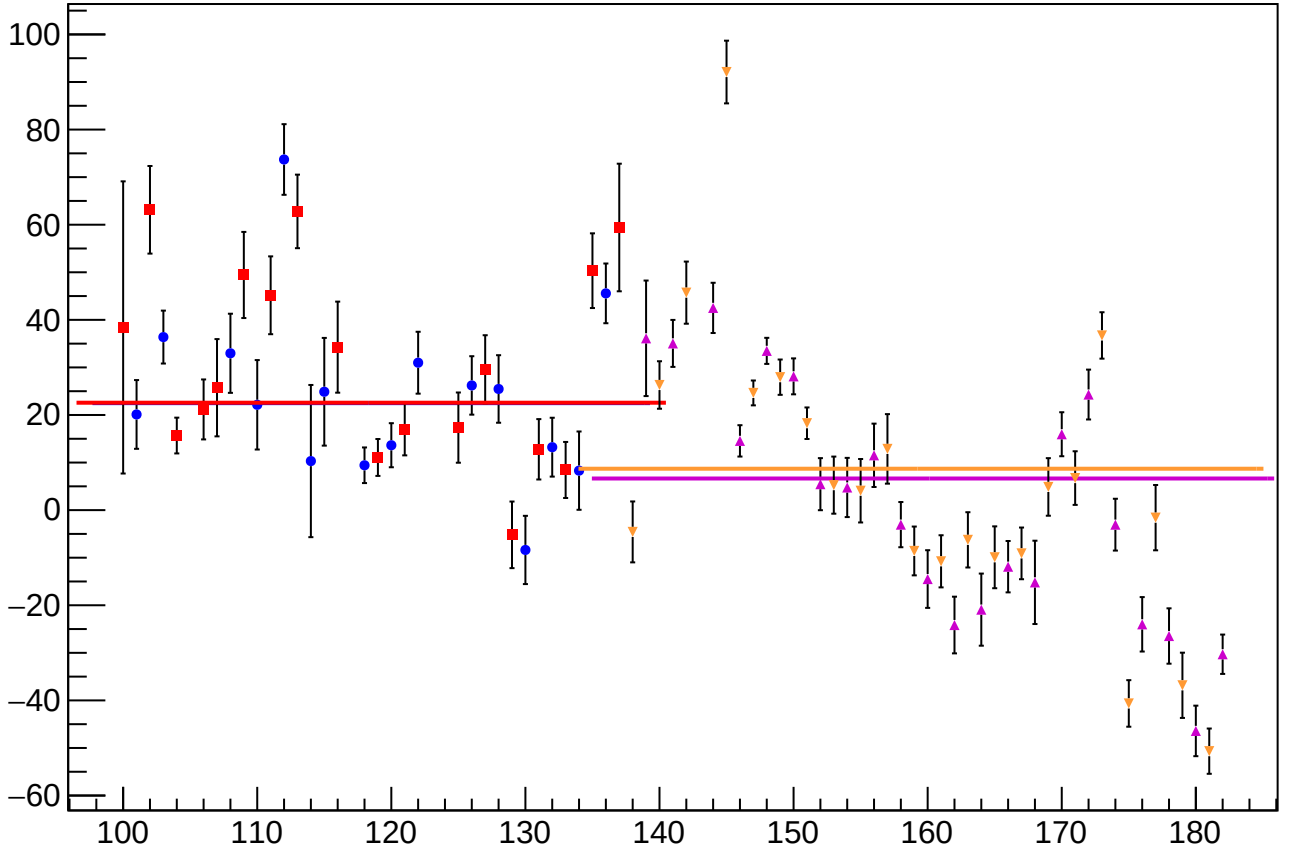
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -295.599+/-1.066 χ^2/NDF:5636.3/37

Out: -290.950+/-1.073 χ^2/NDF:6385.9/39

All: -293.288+/-0.756 χ^2/NDF: 12031.6/77

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: 8.704+/-1.067 χ^2/NDF:669.2/21

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 6.647+/-1.056 χ^2/NDF:553.2/21

Left: 7.665+/-0.751 χ^2/NDF: 1224.3/43

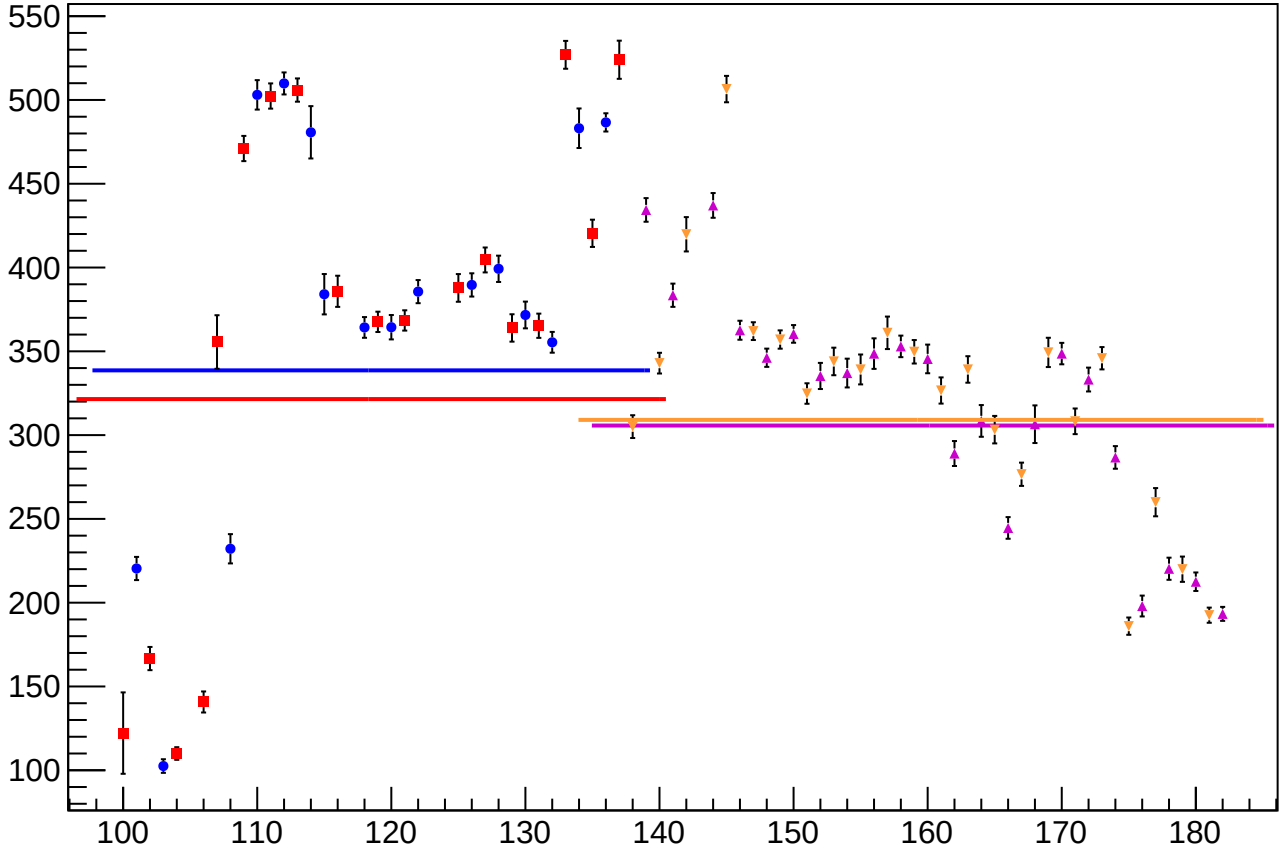
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 11.372+/-0.885 χ^2/NDF:731.7/37

Out: 13.091+/-0.883 χ^2/NDF:846.0/39

All: 12.234+/-0.625 χ^2/NDF: 1579.6/77

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: 309.086+/-1.464 χ^2/NDF:2550.2/21

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 305.705+/-1.405 χ^2/NDF:2806.2/21

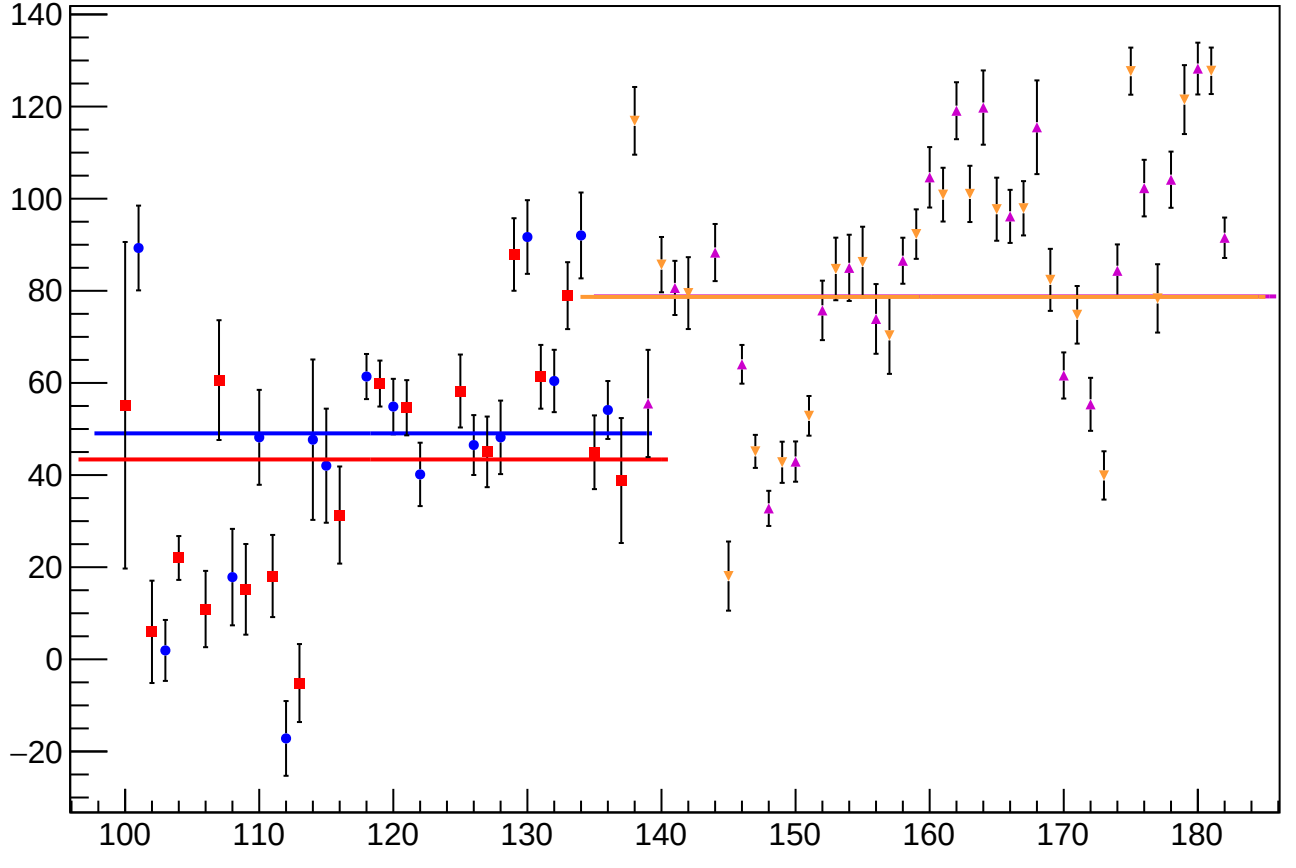
Left: 307.326+/-1.014 χ^2/NDF: 5359.2/43

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 318.631+/-1.095 χ^2/NDF:9064.3/37

Out: 314.394+/-1.108 χ^2/NDF:10301.8/39

All: 316.536+/-0.779 χ^2/NDF: 19373.5/77



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 78.679+/-1.237 χ^2/NDF:611.7/21

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 78.784+/-1.210 χ^2/NDF:488.3/21

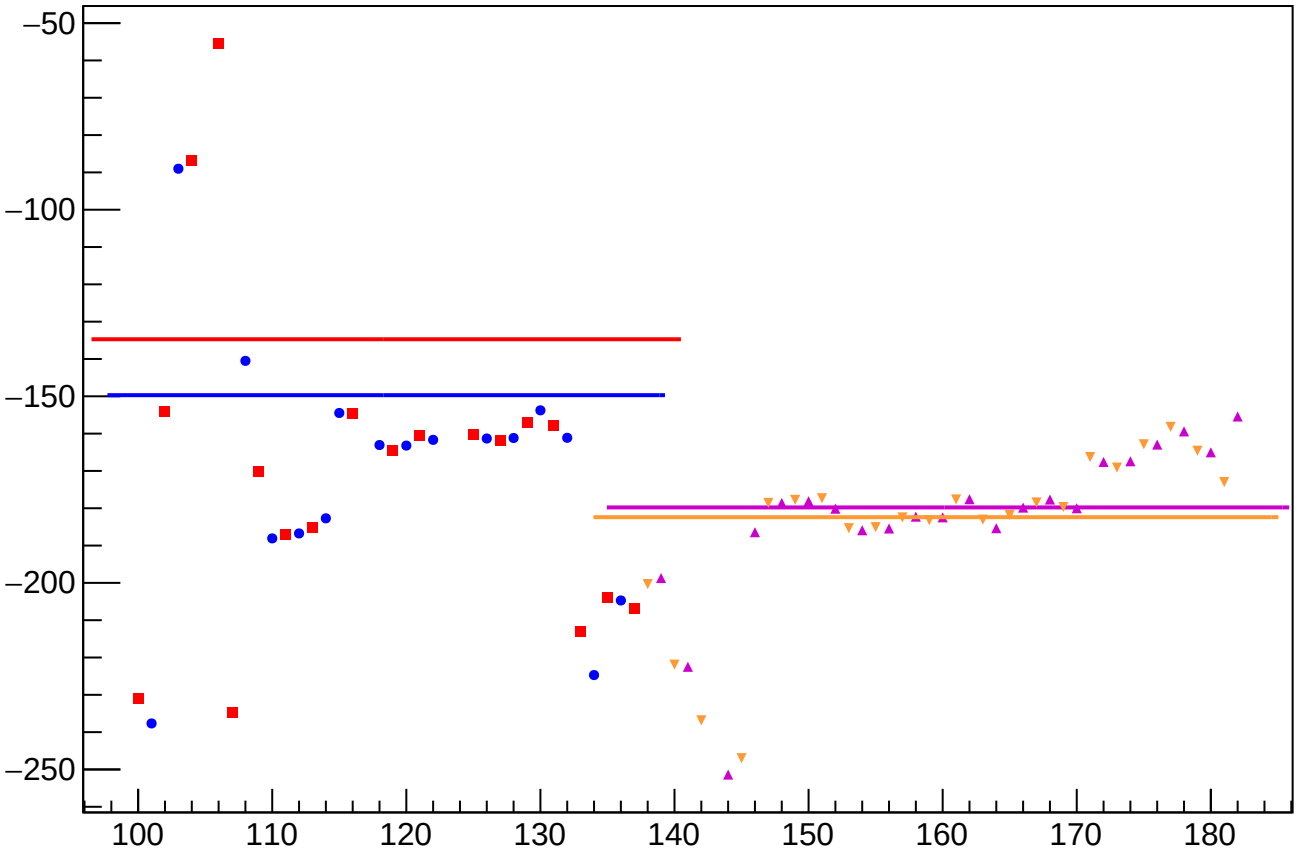
Left: 78.733+/-0.865 χ^2/NDF: 1100.0/43

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 70.091+/-1.018 χ^2/NDF:872.8/37

Out: 67.646+/-1.025 χ^2/NDF:1046.2/39

All: 68.878+/-0.722 χ^2/NDF: 1921.9/77



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -182.392+/-0.058 χ^2/NDF:110774.2/21

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -179.780+/-0.055 χ^2/NDF:109812.5/21

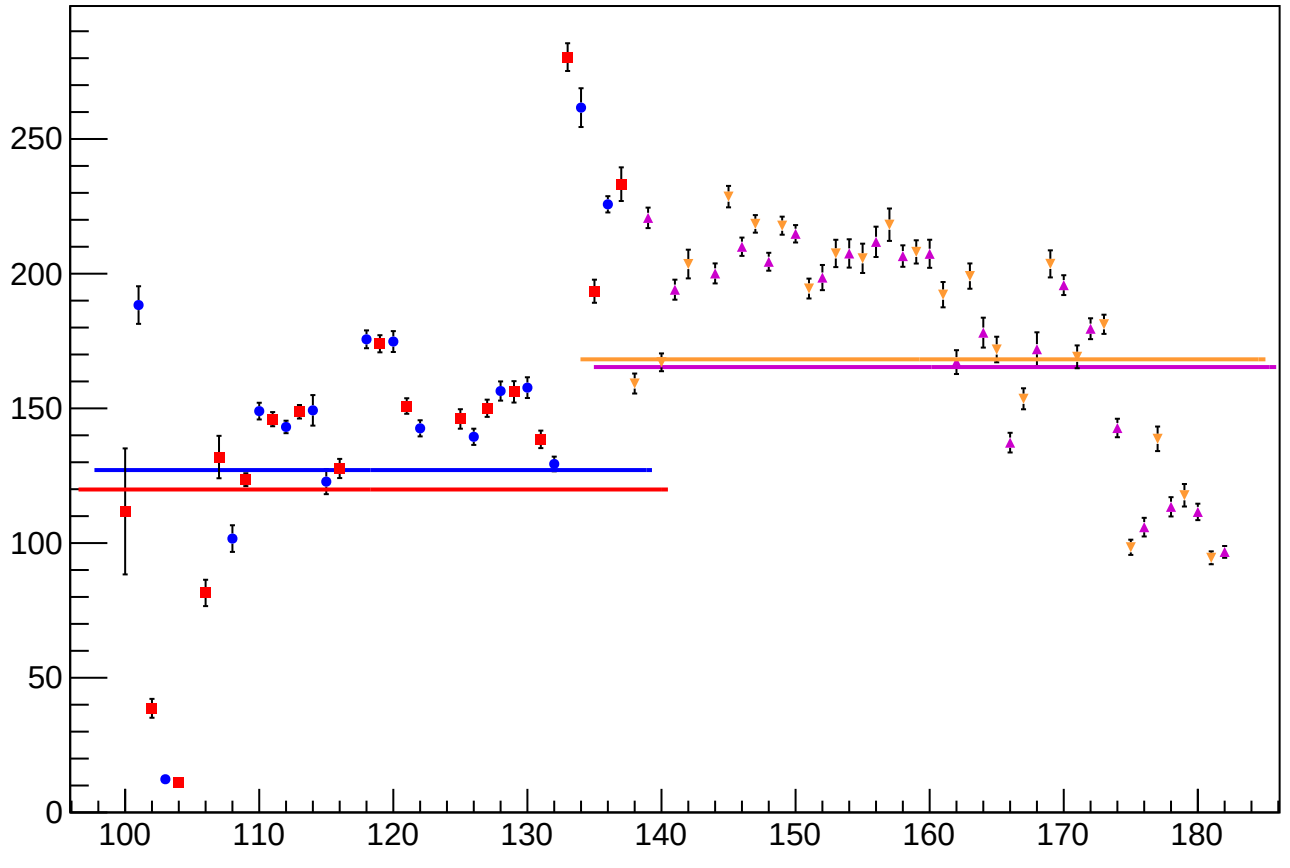
Left: -181.025+/-0.040 χ^2/NDF: 221650.9/43

Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -172.826+/-0.048 χ^2/NDF:434728.6/37

Out: -169.863+/-0.050 χ^2/NDF:601531.0/39

All: -171.382+/-0.035 χ^2/NDF: 1038079.5/77



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 168.208+/-0.830 χ^2/NDF:2939.3/21

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 165.339+/-0.794 χ^2/NDF:3247.9/21

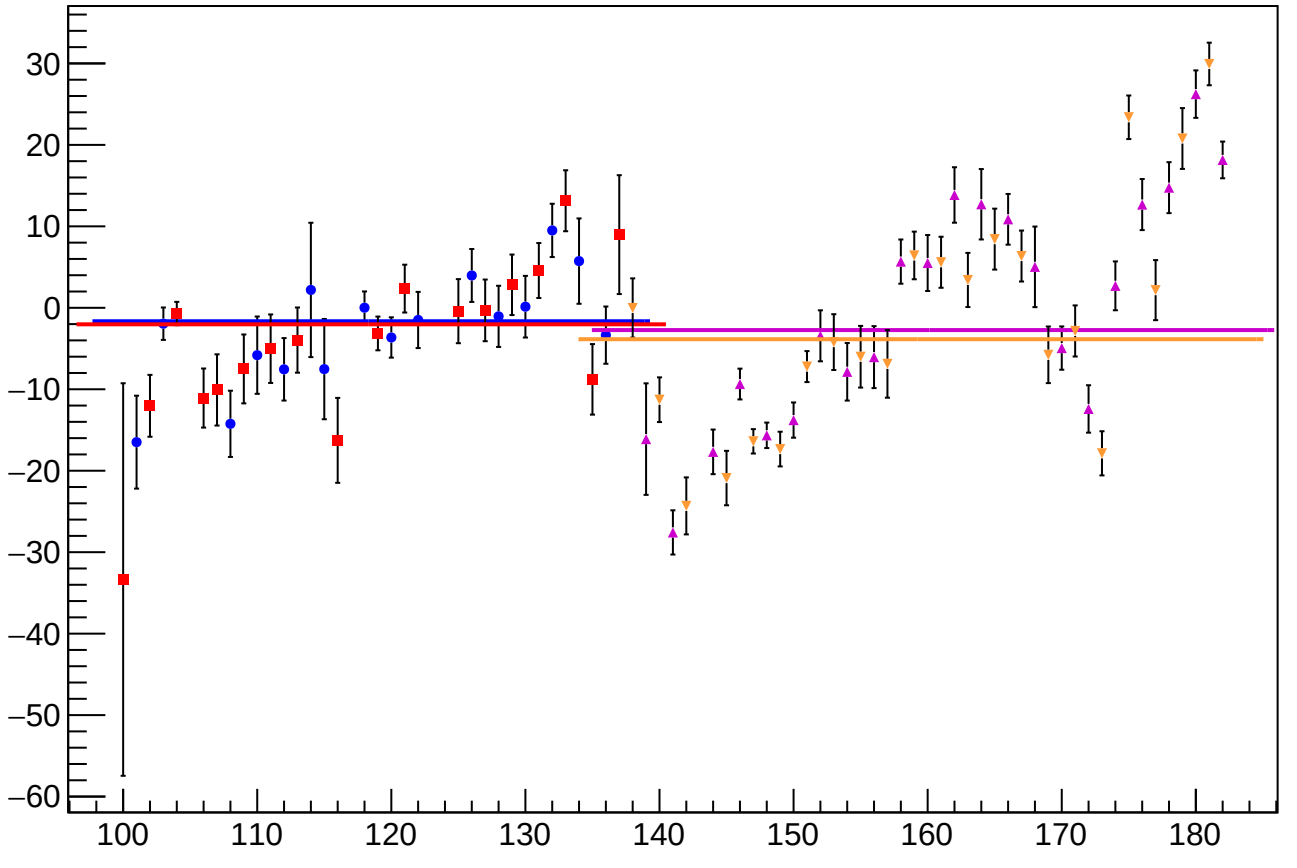
Left: 166.710+/-0.573 χ^2/NDF: 6193.5/43

Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 146.626+/-0.567 χ^2/NDF:10546.9/37

Out: 142.382+/-0.566 χ^2/NDF:11402.4/39

All: 144.500+/-0.401 χ^2/NDF: 21977.3/77



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -3.855+/-0.601 χ^2/NDF:574.7/21

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -2.734+/-0.594 χ^2/NDF:555.6/21

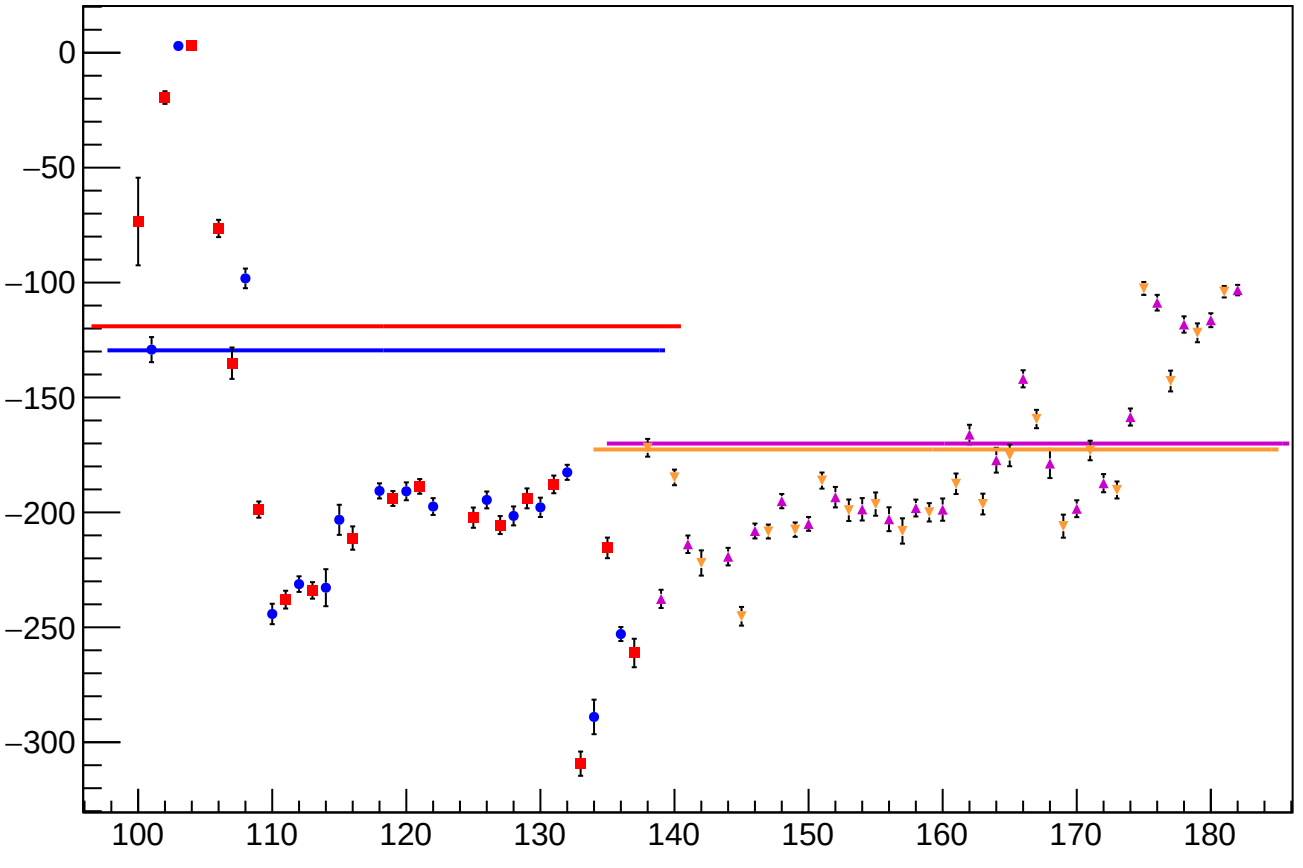
Left: -3.288+/-0.422 χ^2/NDF: 1132.1/43

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -2.369+/-0.483 χ^2/NDF:595.8/37

Out: -3.164+/-0.474 χ^2/NDF:636.8/39

All: -2.774+/-0.338 χ^2/NDF: 1233.9/77



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -172.623+/-0.819 χ^2/NDF:2523.2/21

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -170.045+/-0.786 χ^2/NDF:2985.1/21

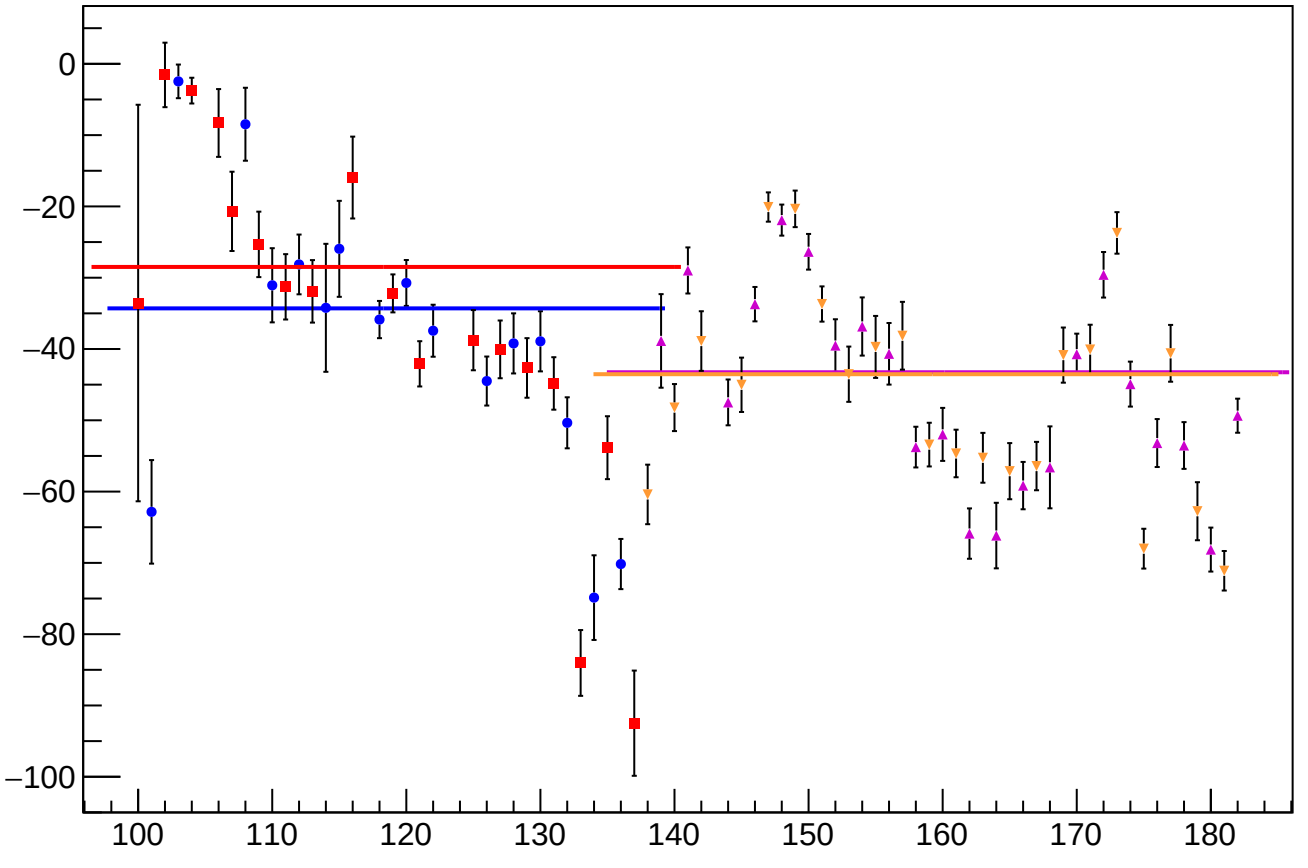
Left: -171.280+/-0.567 χ^2/NDF: 5513.5/43

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -151.280+/-0.576 χ^2/NDF:18905.9/37

Out: -145.604+/-0.577 χ^2/NDF:20857.3/39

All: -148.448+/-0.408 χ^2/NDF: 39811.7/77



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -43.534+/-0.695 χ^2/NDF:555.2/21

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -43.261+/-0.679 χ^2/NDF:405.6/21

Left: -43.394+/-0.486 χ^2/NDF: 960.8/43

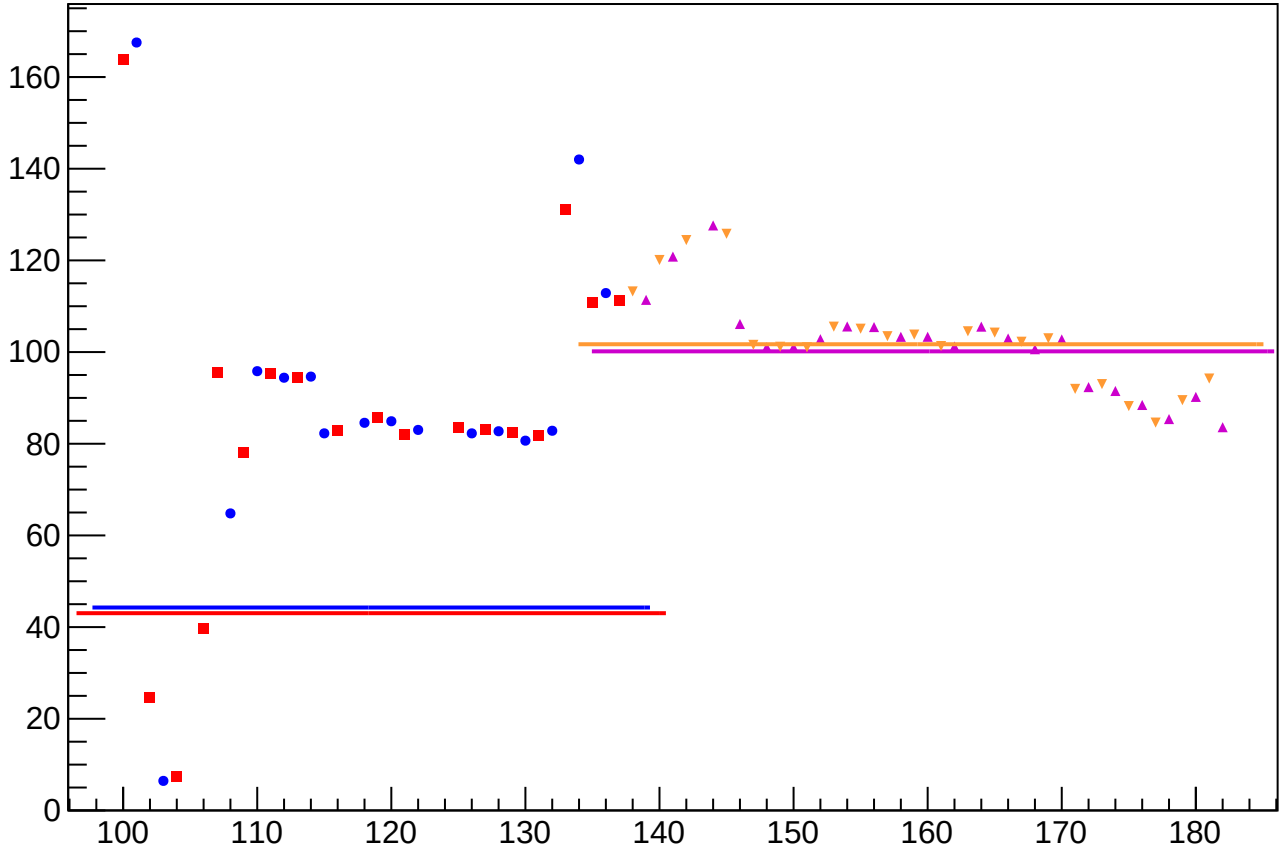
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -40.306+/-0.556 χ^2/NDF:874.3/37

Out: -37.967+/-0.552 χ^2/NDF:1296.6/39

All: -39.128+/-0.392 χ^2/NDF: 2179.9/77

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: 101.707+/-0.032 χ^2/NDF:92871.1/21

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 100.156+/-0.031 χ^2/NDF:108100.2/21

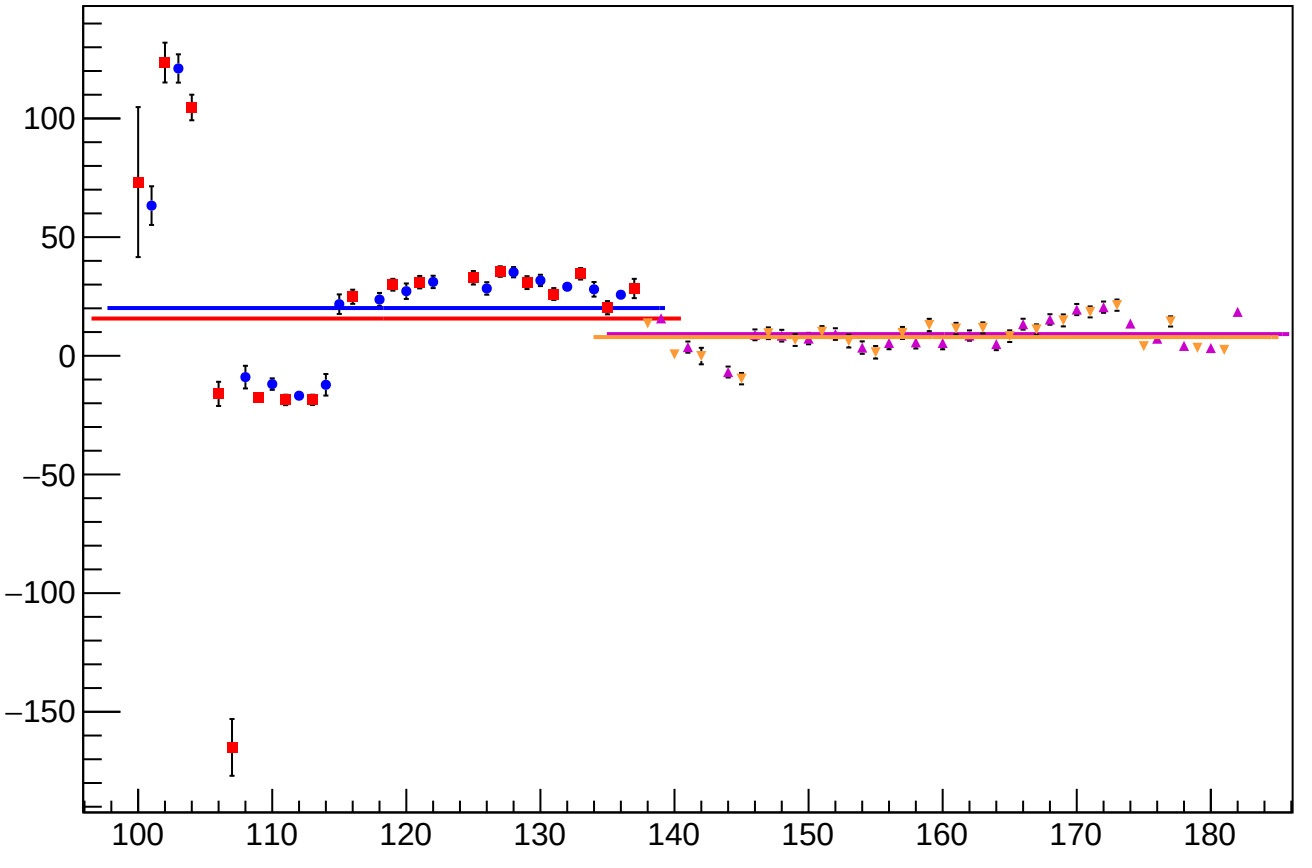
Left: 100.895+/-0.022 χ^2/NDF: 202163.2/43

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 82.137+/-0.026 χ^2/NDF:2240787.6/37

Out: 81.627+/-0.026 χ^2/NDF:2014374.1/39

All: 81.890+/-0.018 χ^2/NDF: 4255354.9/77



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 7.892+/-0.477 χ^2/NDF:193.3/21

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 9.139+/-0.468 χ^2/NDF:190.6/21

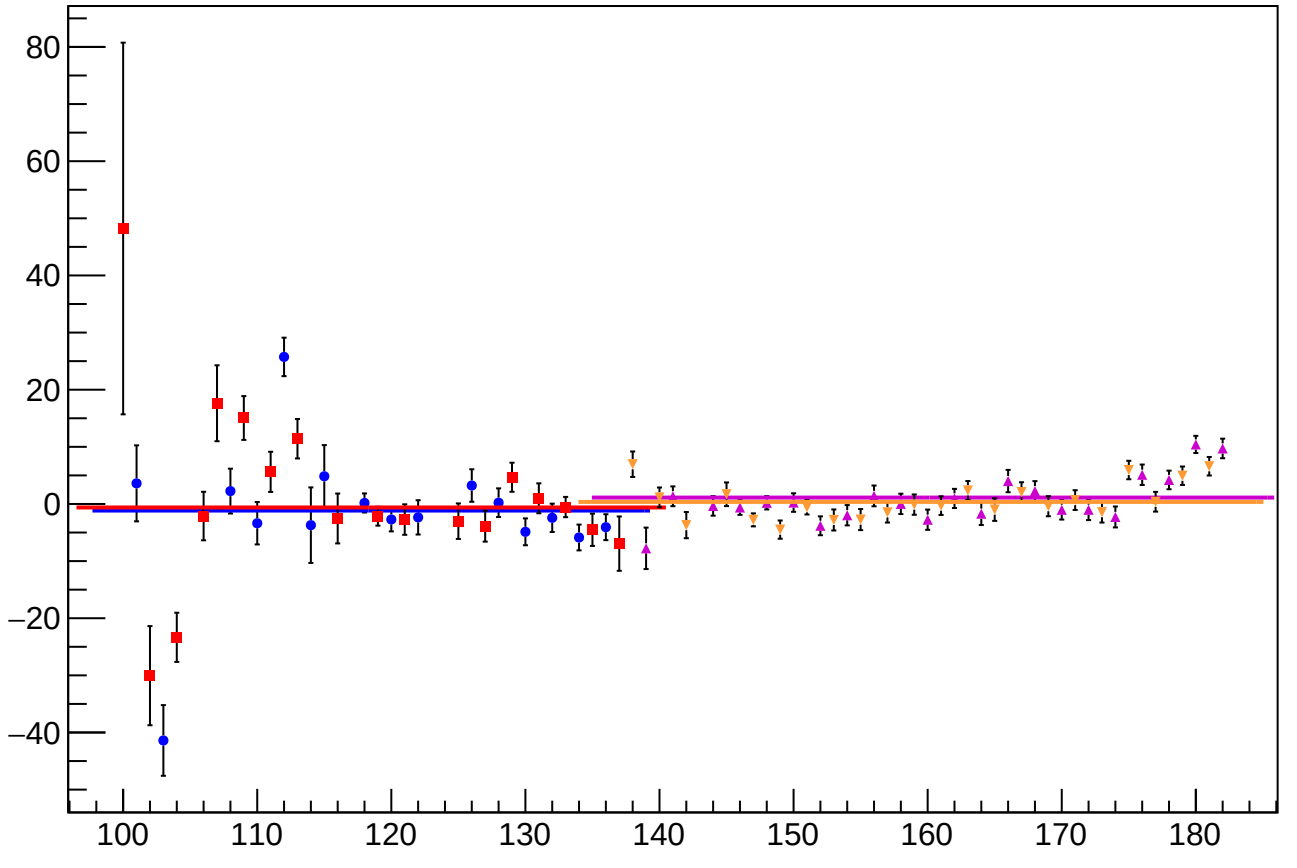
Left: 8.527+/-0.334 χ^2/NDF: 387.4/43

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

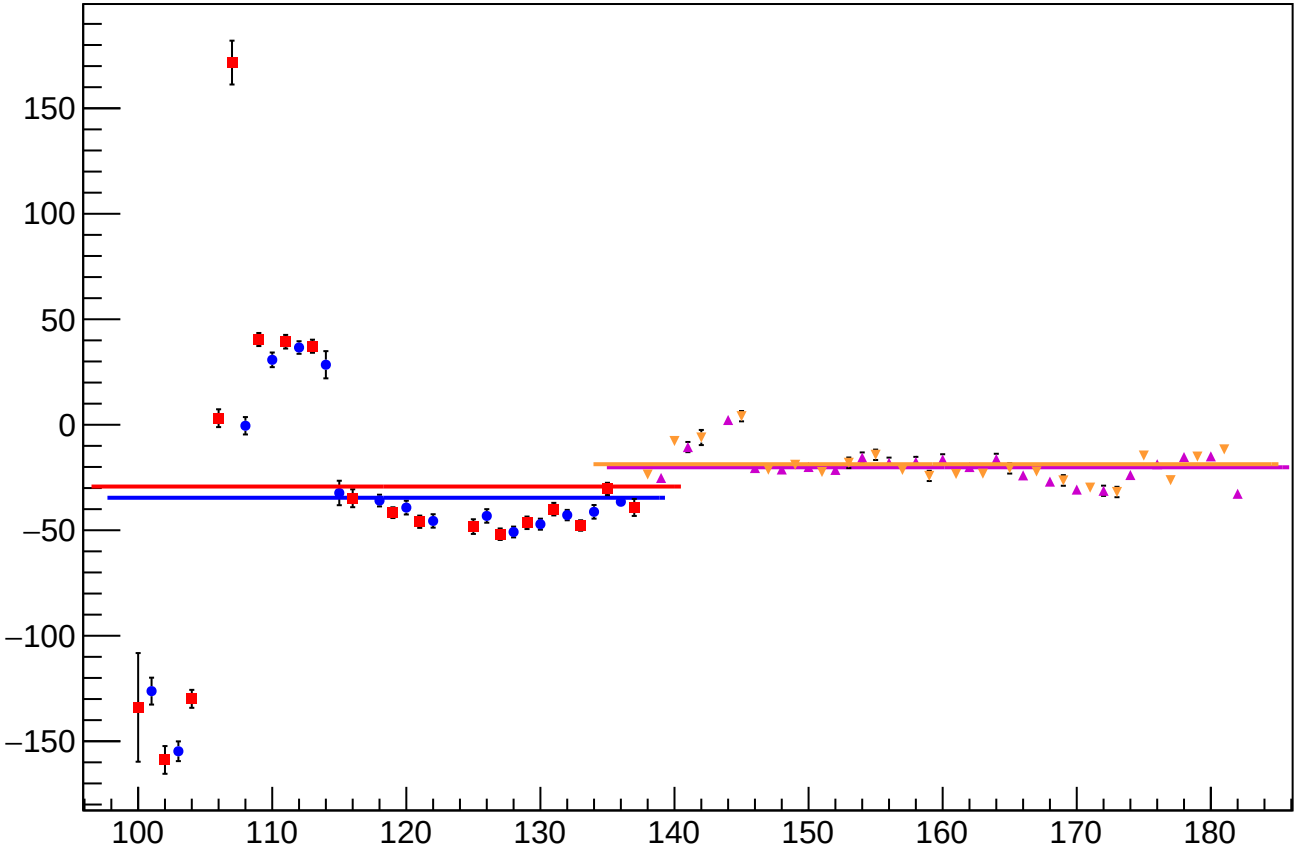
In: 12.617+/-0.387 χ^2/NDF:1413.1/37

Out: 10.457+/-0.391 χ^2/NDF:2055.1/39

All: 11.549+/-0.275 χ^2/NDF: 3483.7/77


reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
Right In: -1.151+/-0.699 χ²/NDF: 121.8/15
Left Out: 0.359+/-0.359 χ²/NDF:76.0/21
Right Out: -0.614+/-0.713 χ²/NDF: 93.4/17
Left In: 1.119+/-0.360 χ²/NDF:109.7/21
Left: 0.738+/-0.254 χ²/NDF: 188.0/43
Right: -0.888+/-0.499 χ²/NDF: 215.5/33
In: 0.643+/-0.320 χ²/NDF:239.9/37
Out: 0.163+/-0.321 χ²/NDF:170.9/39
All: 0.403+/-0.227 χ²/NDF: 411.9/77

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: -18.696+/-0.471 χ^2/NDF:260.4/21

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -20.153+/-0.463 χ^2/NDF:249.6/21

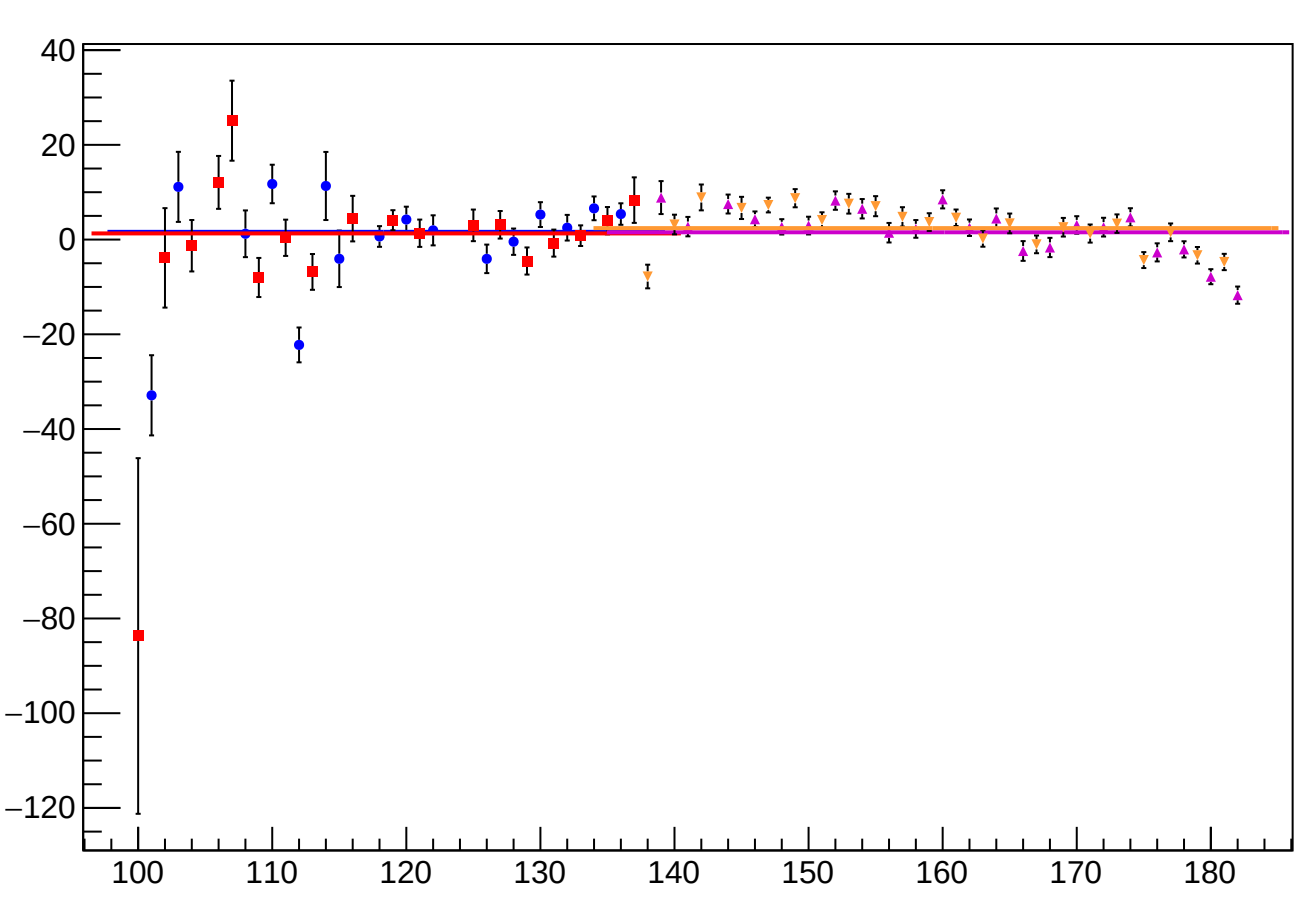
Left: -19.438+/-0.330 χ^2/NDF: 514.9/43

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -23.869+/-0.399 χ^2/NDF:2558.8/37

Out: -21.422+/-0.406 χ^2/NDF:3471.4/39

All: -22.667+/-0.284 χ^2/NDF: 6048.7/77



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 2.419+/-0.407 χ^2/NDF:112.0/21

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 1.540+/-0.406 χ^2/NDF:158.4/21

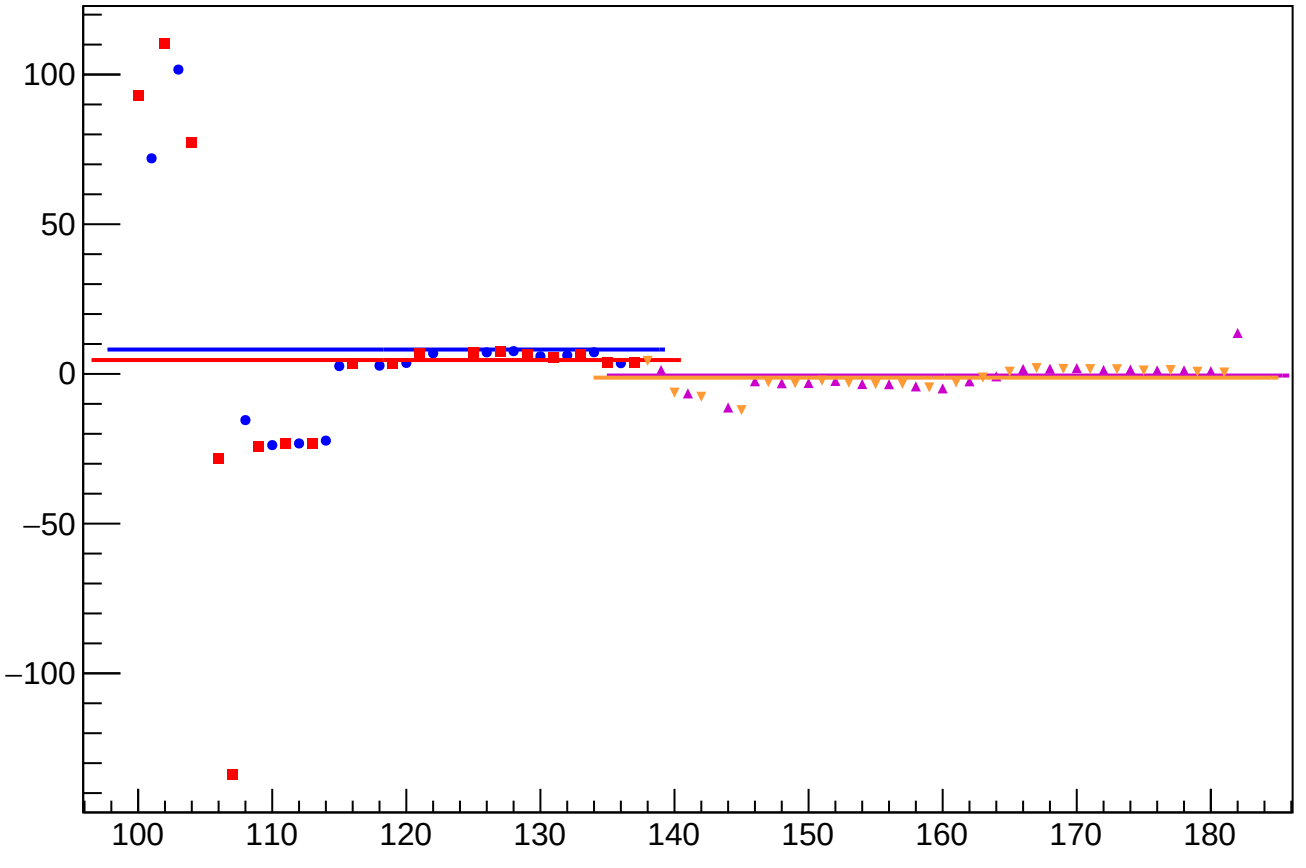
Left: 1.978+/-0.288 χ^2/NDF: 272.7/43

Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 1.558+/-0.362 χ^2/NDF:241.7/37

Out: 2.195+/-0.364 χ^2/NDF:151.0/39

All: 1.875+/-0.257 χ^2/NDF: 394.3/77



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.241+/-0.018 χ^2/NDF:34910.8/21

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -0.540+/-0.018 χ^2/NDF:60256.4/21

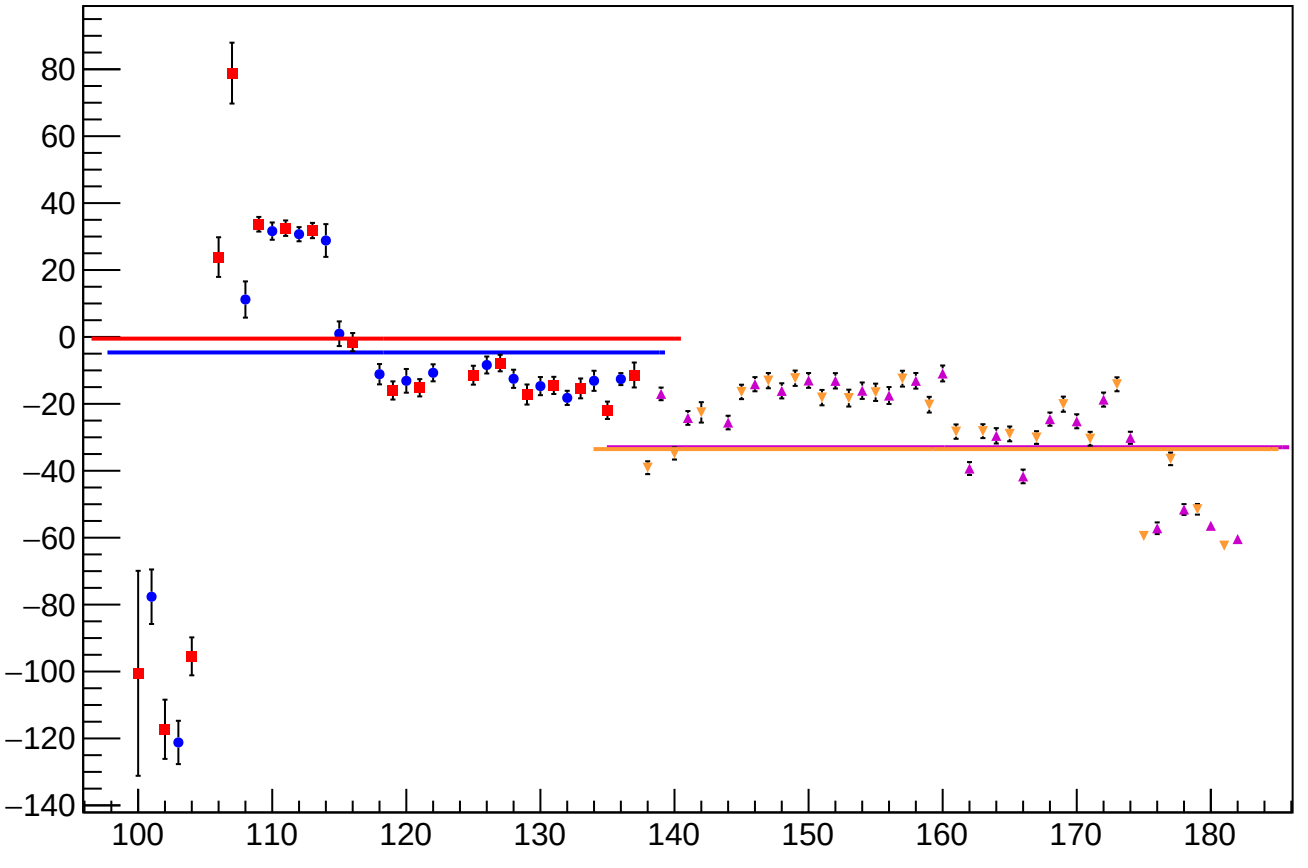
Left: -0.884+/-0.013 χ^2/NDF: 95920.6/43

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 0.507+/-0.017 χ^2/NDF:401963.7/37

Out: -0.589+/-0.017 χ^2/NDF:493221.0/39

All: -0.028+/-0.012 χ^2/NDF: 897261.9/77



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -33.521+/-0.429 χ^2/NDF:1561.9/21

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -32.964+/-0.419 χ^2/NDF:1736.5/21

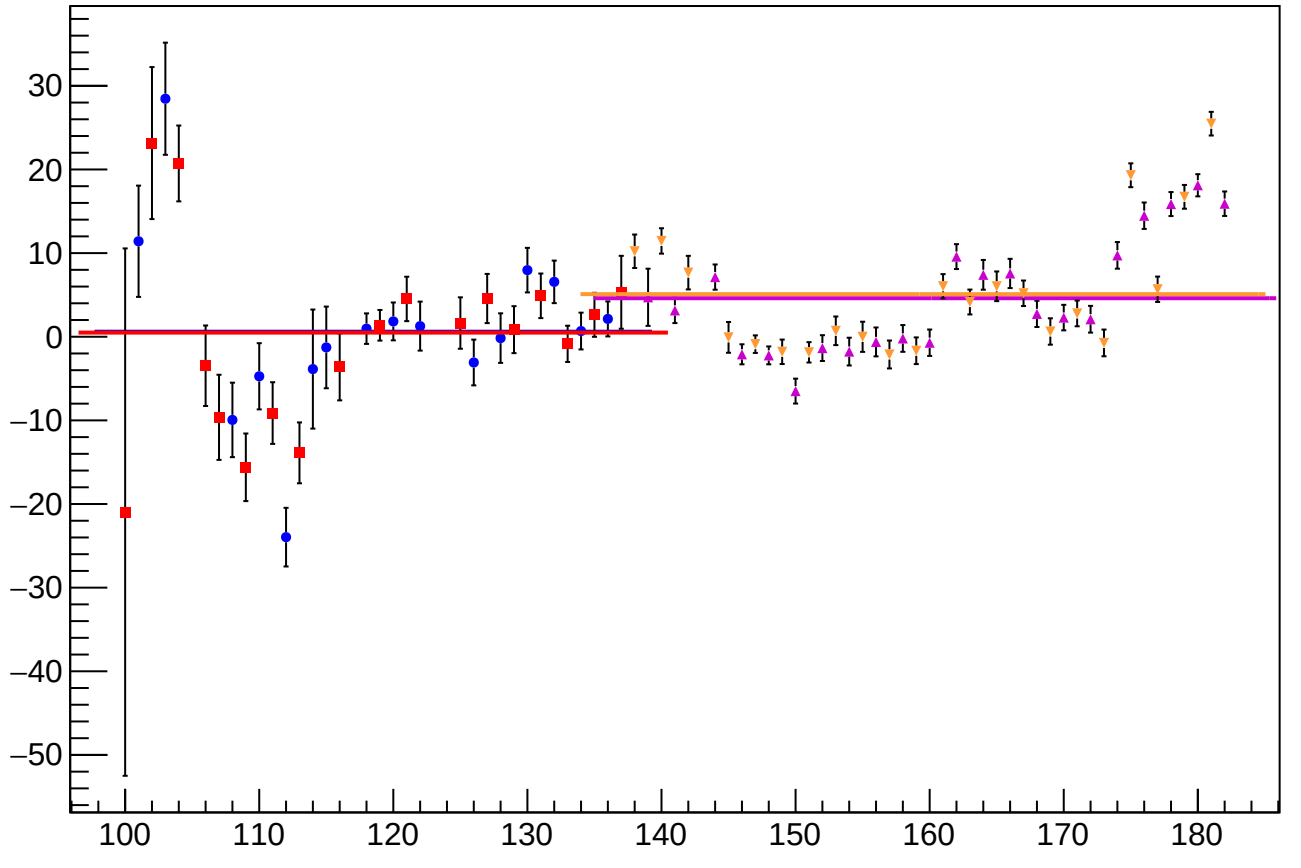
Left: -33.236+/-0.300 χ^2/NDF: 3299.2/43

Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

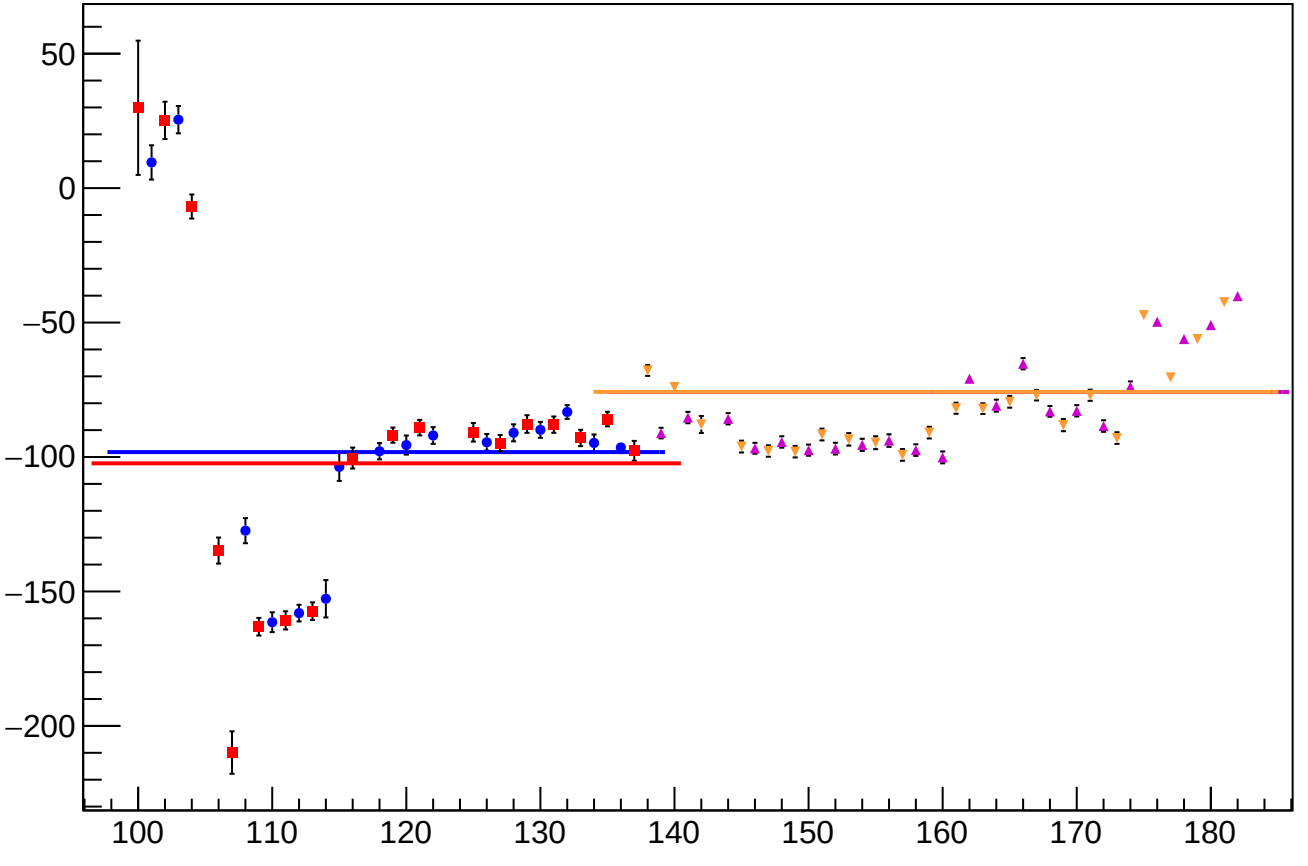
In: -25.667+/-0.361 χ^2/NDF:3959.1/37

Out: -24.721+/-0.367 χ^2/NDF:4601.8/39

All: -25.202+/-0.257 χ^2/NDF: 8564.3/77


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
180
Right In: 0.602+/-0.727 χ²/NDF: 92.9/15
Left Out: 5.094+/-0.325 χ²/NDF:571.4/21
Right Out: 0.496+/-0.755 χ²/NDF: 80.2/17
Left In: 4.604+/-0.324 χ²/NDF:487.6/21
Left: 4.849+/-0.229 χ²/NDF: 1060.1/43
Right: 0.551+/-0.524 χ²/NDF: 173.0/33
In: 3.941+/-0.296 χ²/NDF:605.7/37
Out: 4.377+/-0.298 χ²/NDF:682.9/39
All: 4.157+/-0.210 χ²/NDF: 1289.7/77

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: -75.775+/-0.424 χ^2/NDF:1935.5/21

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -75.831+/-0.415 χ^2/NDF:2243.2/21

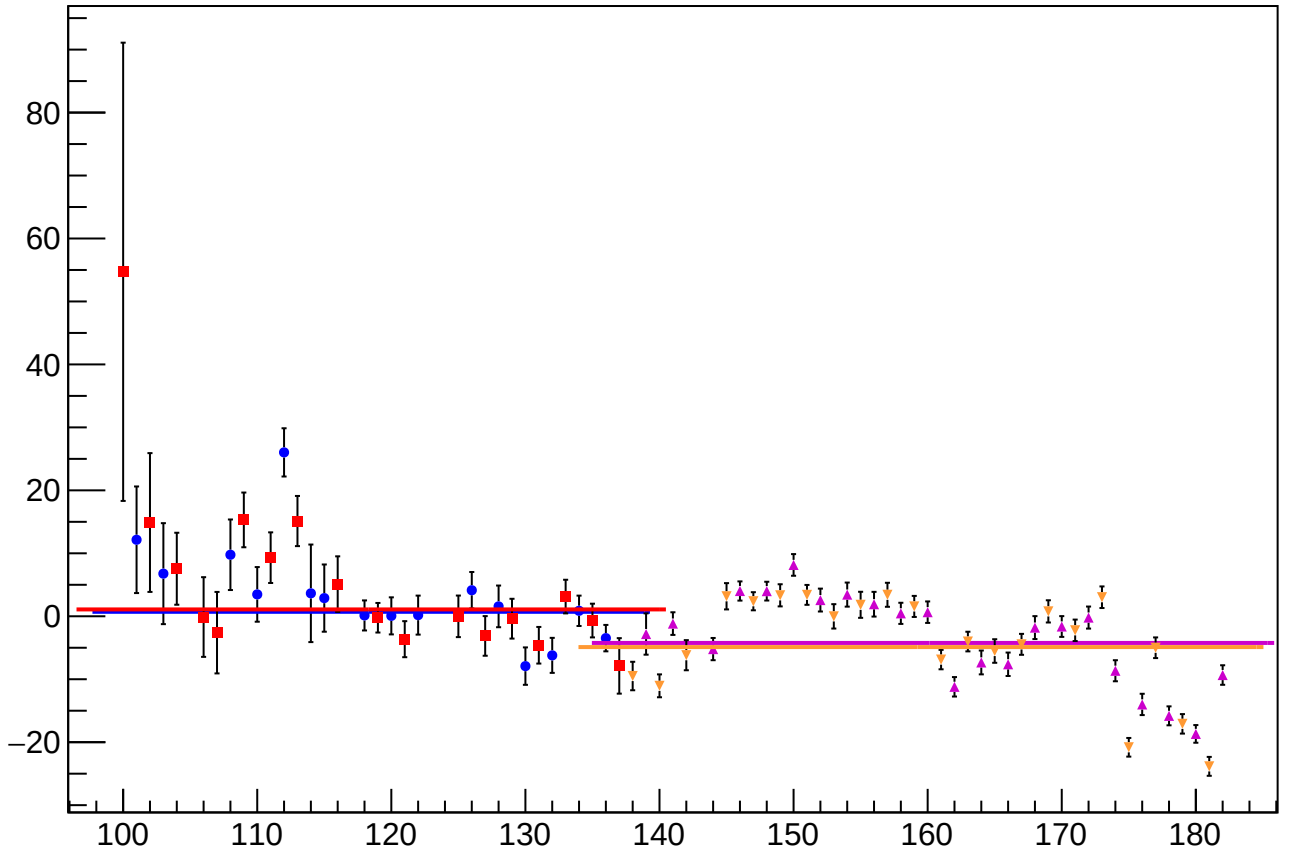
Left: -75.803+/-0.297 χ^2/NDF: 4178.7/43

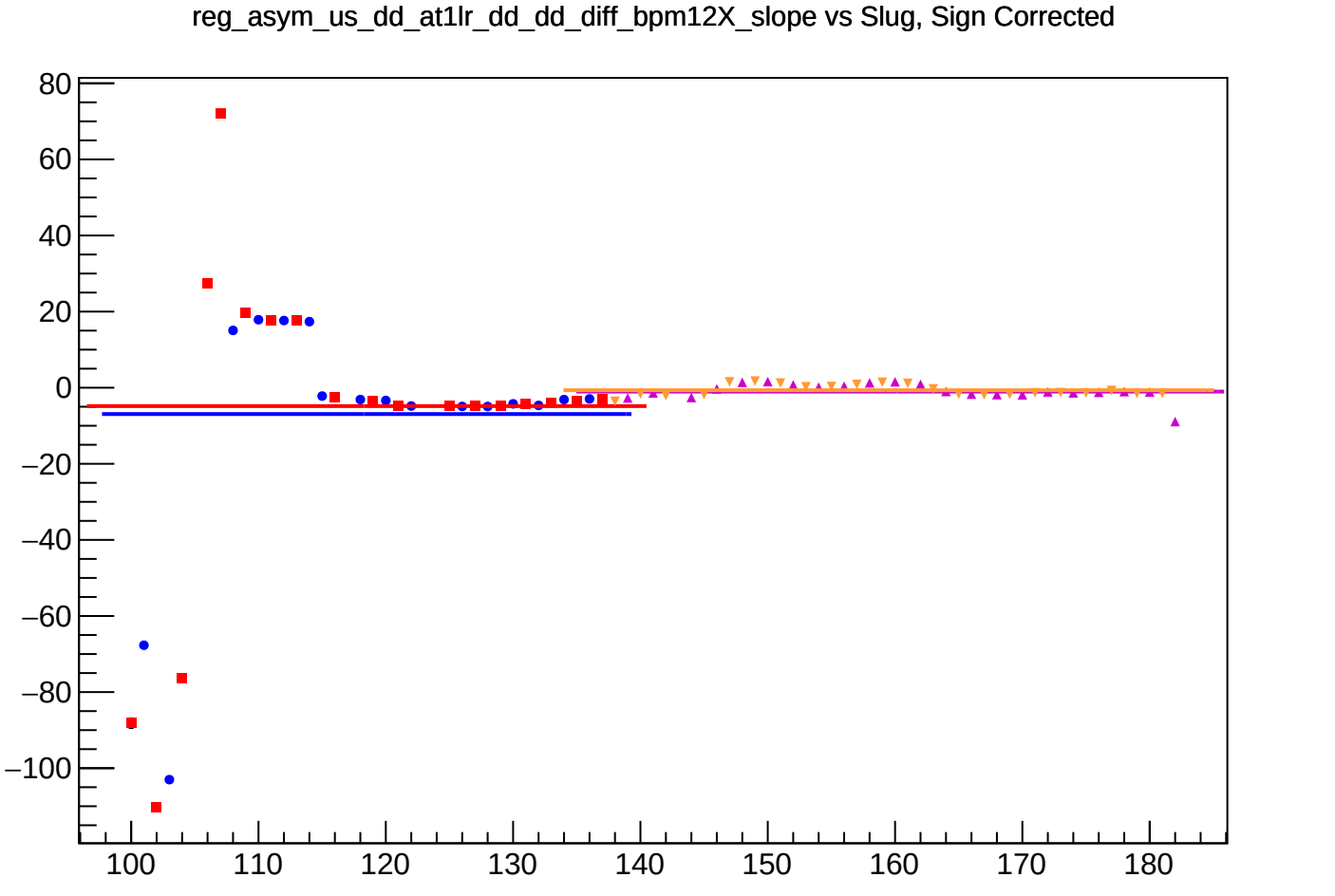
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -80.451+/-0.370 χ^2/NDF:4542.4/37

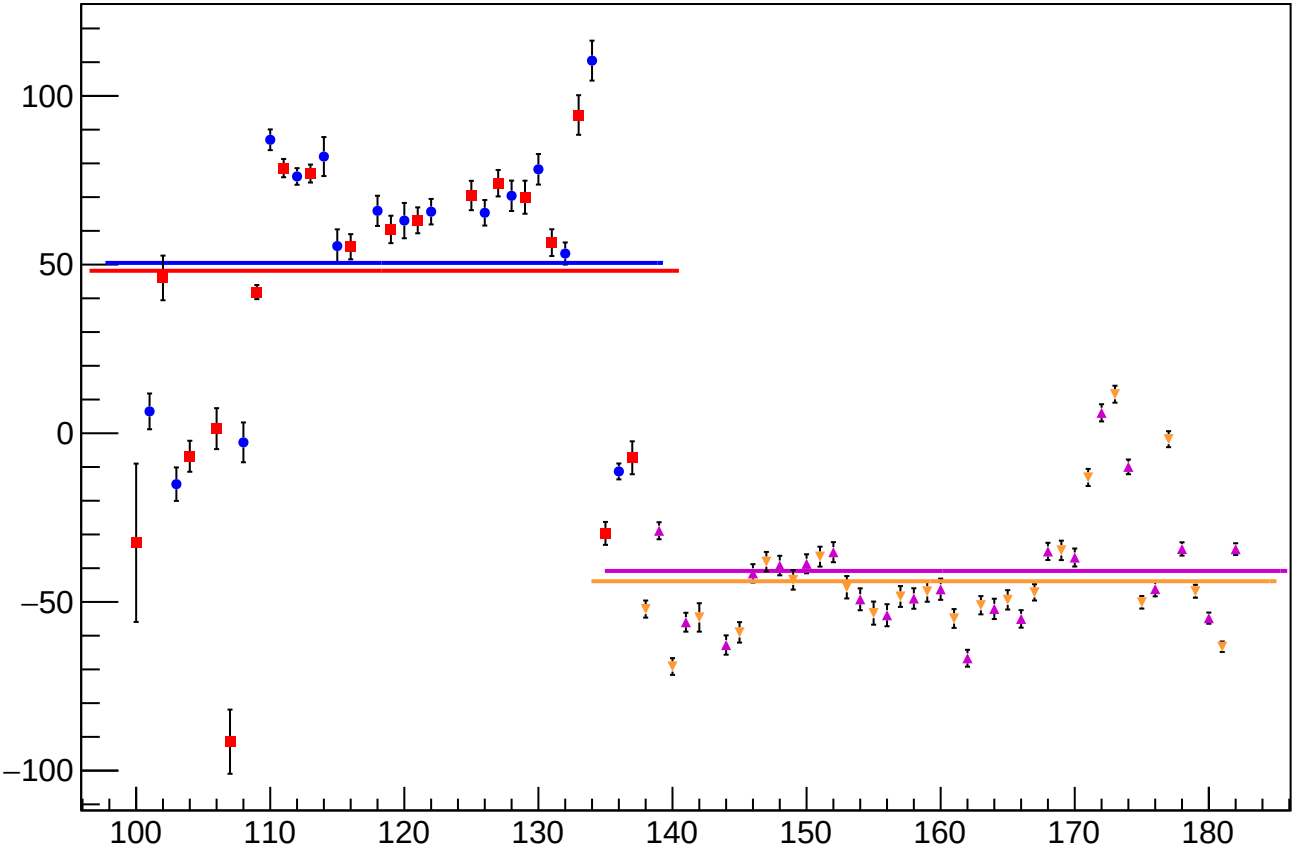
Out: -81.200+/-0.378 χ^2/NDF:4855.3/39

All: -80.817+/-0.264 χ^2/NDF: 9399.7/77


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
Right In: 0.711+/-0.821 χ²/NDF: 69.6/15
Left Out: -4.894+/-0.367 χ²/NDF:529.2/21
Right Out: 1.088+/-0.856 χ²/NDF: 47.7/17
Left In: -4.235+/-0.364 χ²/NDF:423.4/21
Left: -4.562+/-0.259 χ²/NDF: 954.2/43
Right: 0.892+/-0.593 χ²/NDF: 117.4/33
In: -3.421+/-0.333 χ²/NDF:523.3/37
Out: -3.965+/-0.338 χ²/NDF:618.1/39
All: -3.689+/-0.237 χ²/NDF: 1142.7/77


reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
Right In: -6.927+/-0.049 χ²/NDF: 265187.0/15
Left Out: -0.662+/-0.016 χ²/NDF:6851.9/21
Right Out: -4.833+/-0.053 χ²/NDF: 339363.3/17
Left In: -1.024+/-0.016 χ²/NDF:20067.5/21
Left: -0.847+/-0.012 χ²/NDF: 27166.0/43
Right: -5.968+/-0.036 χ²/NDF: 605403.2/33
In: -1.610+/-0.015 χ²/NDF:298581.5/37
Out: -1.032+/-0.016 χ²/NDF:351900.4/39
All: -1.329+/-0.011 χ²/NDF: 651175.5/77

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: -43.859+/-0.545 χ^2/NDF:1324.7/21

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -40.808+/-0.532 χ^2/NDF:948.1/21

Left: -42.296+/-0.381 χ^2/NDF: 2288.9/43

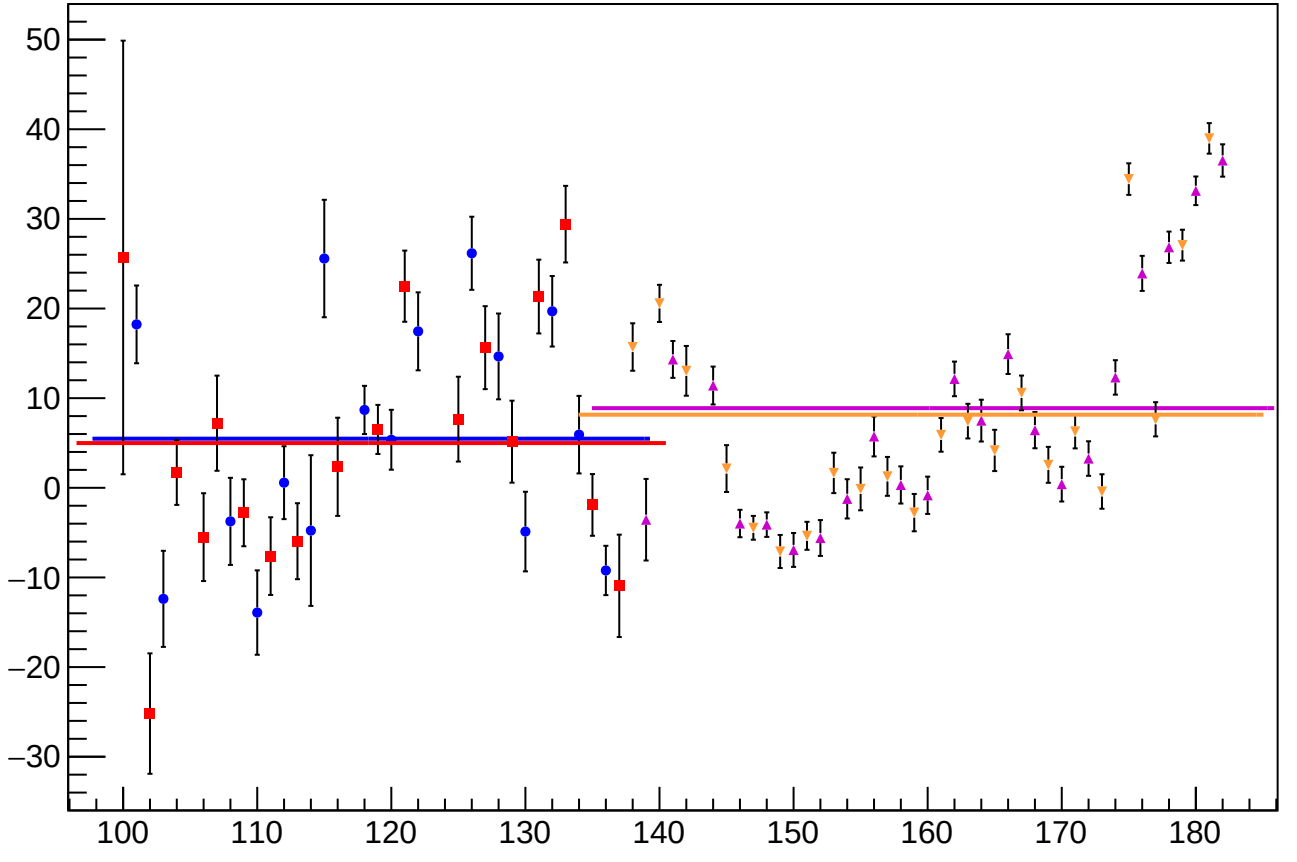
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -19.557+/-0.466 χ^2/NDF:9316.6/37

Out: -19.743+/-0.468 χ^2/NDF:10321.2/39

All: -19.649+/-0.330 χ^2/NDF: 19637.9/77

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 8.158+/-0.414 χ^2/NDF:1049.7/21

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 8.886+/-0.413 χ^2/NDF:1034.2/21

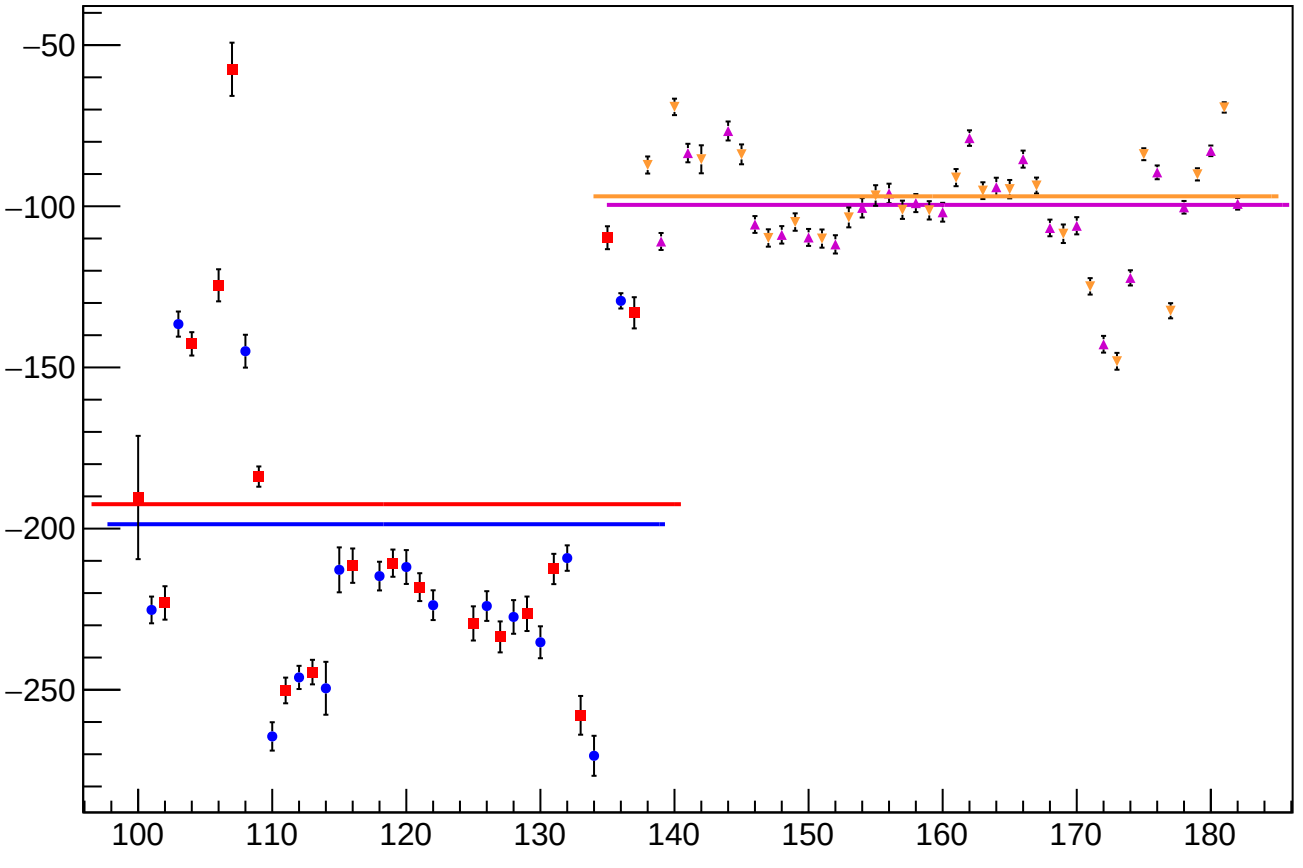
Left: 8.523+/-0.292 χ^2/NDF: 2085.4/43

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 8.408+/-0.383 χ^2/NDF:1181.9/37

Out: 7.711+/-0.384 χ^2/NDF:1189.7/39

All: 8.061+/-0.271 χ^2/NDF: 2373.3/77



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -96.914+/-0.539 χ^2/NDF:1330.7/21

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -99.570+/-0.527 χ^2/NDF:779.1/21

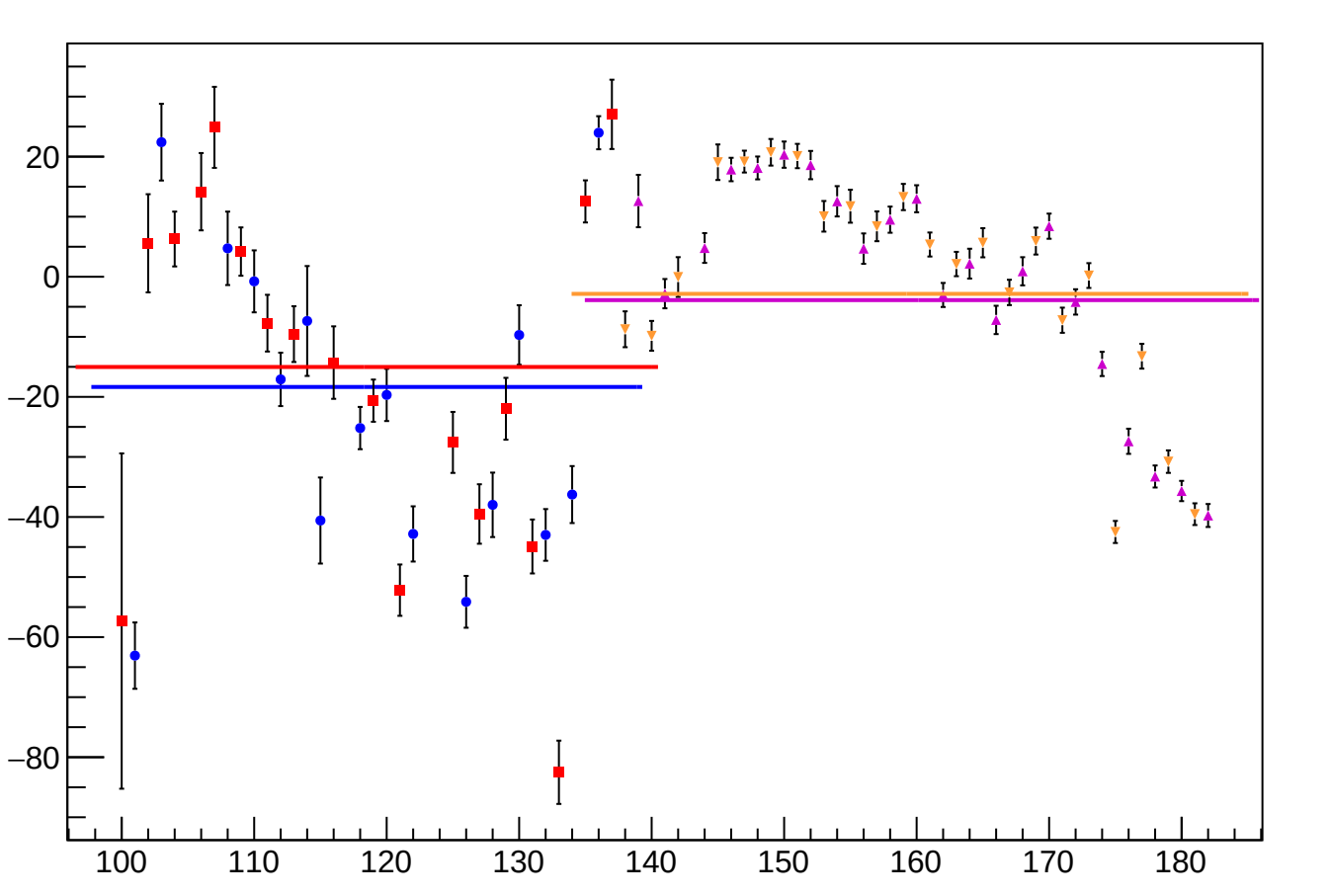
Left: -98.273+/-0.377 χ^2/NDF: 2122.2/43

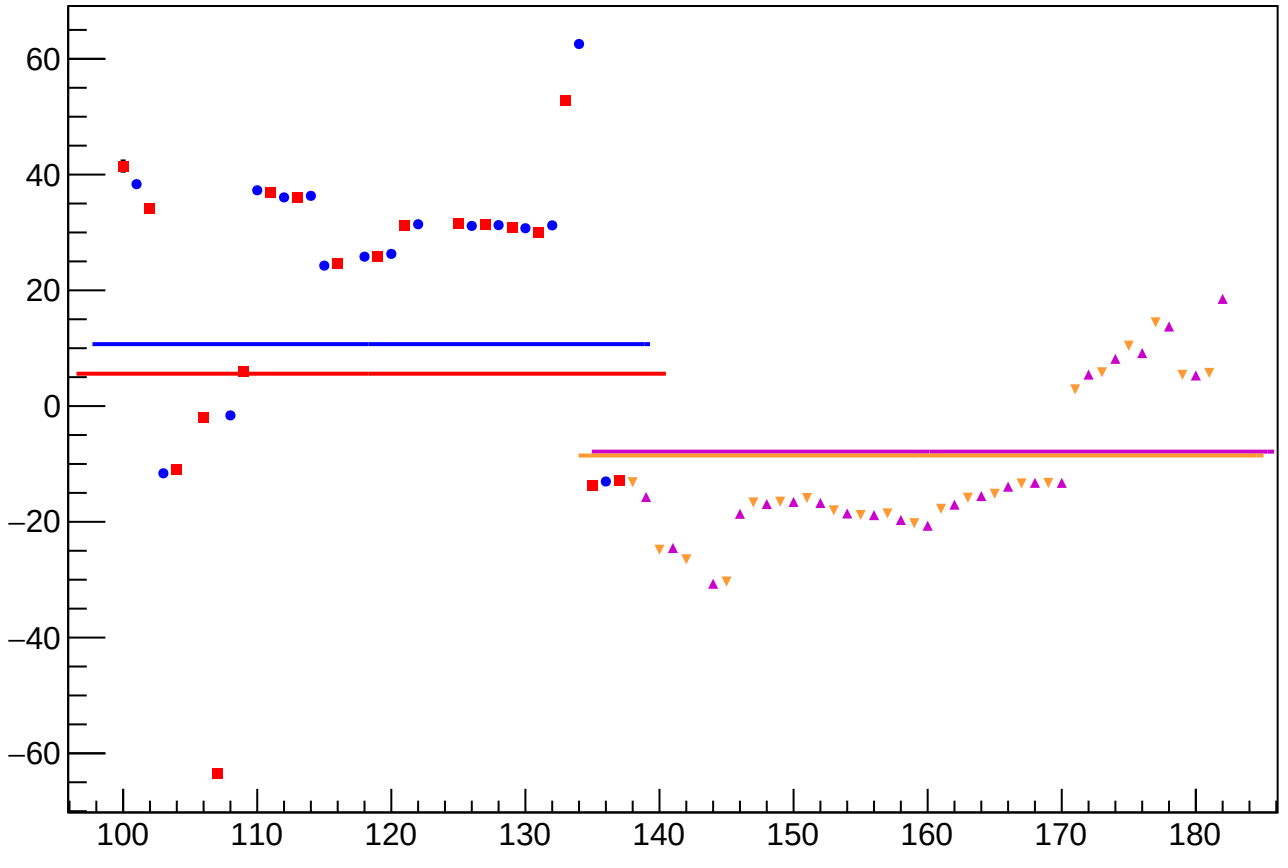
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -118.515+/-0.474 χ^2/NDF:9544.5/37

Out: -115.983+/-0.482 χ^2/NDF:9732.5/39

All: -117.272+/-0.338 χ^2/NDF: 19291.0/77


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
Right In: -18.348+/-1.159 χ²/NDF: 543.9/15
Left Out: -2.848+/-0.468 χ²/NDF:1766.7/21
Right Out: -15.021+/-1.162 χ²/NDF: 546.4/17
Left In: -3.887+/-0.464 χ²/NDF:1809.9/21
Left: -3.373+/-0.329 χ²/NDF: 3579.1/43
Right: -16.688+/-0.821 χ²/NDF: 1094.5/33
In: -5.881+/-0.430 χ²/NDF:2487.9/37
Out: -4.550+/-0.434 χ²/NDF:2407.6/39
All: -5.221+/-0.306 χ²/NDF: 4900.3/77



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -8.543+/-0.021 χ^2/NDF:369979.7/21

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -7.871+/-0.021 χ^2/NDF:451285.7/21

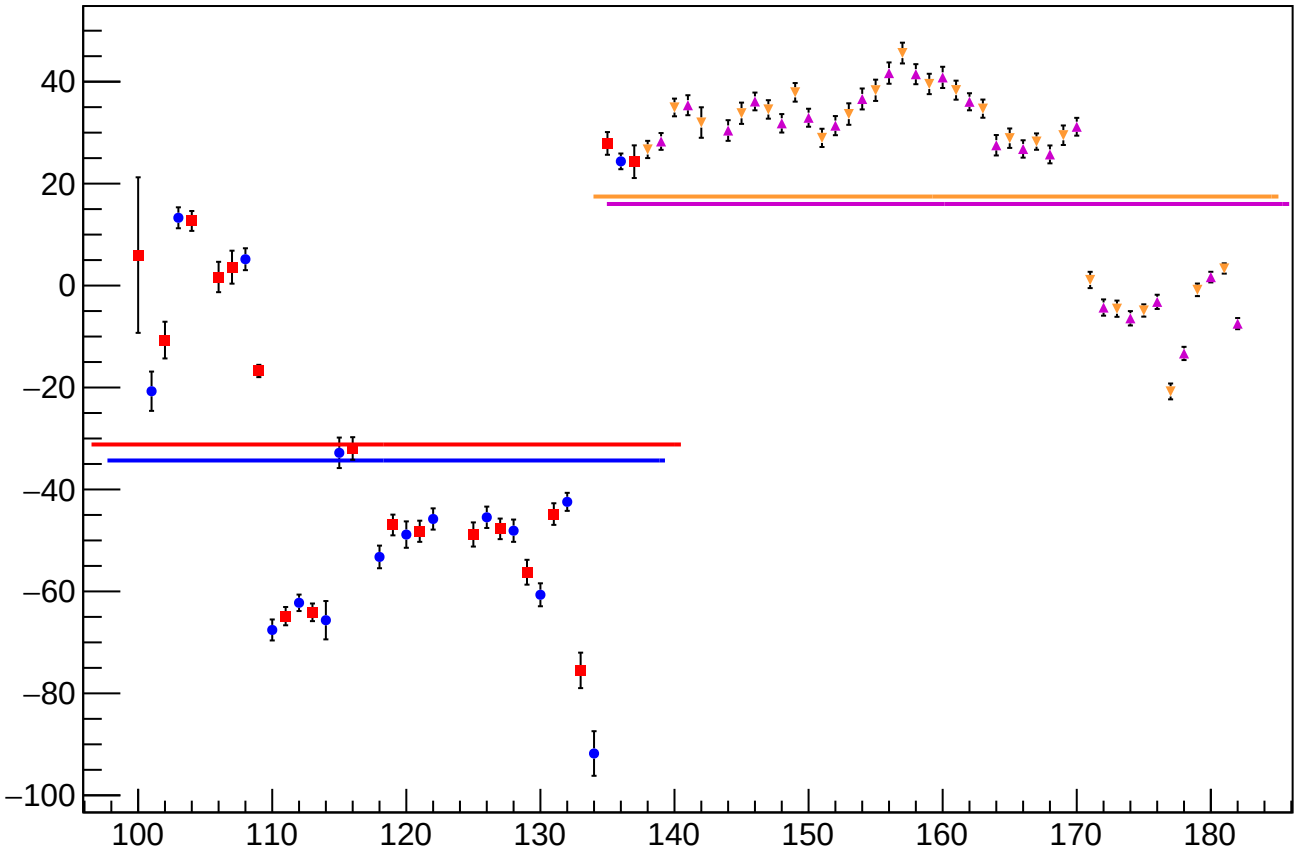
Left: -8.199+/-0.015 χ^2/NDF: 821788.9/43

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -6.084+/-0.020 χ^2/NDF:694957.5/37

Out: -7.149+/-0.020 χ^2/NDF:569470.2/39

All: -6.604+/-0.014 χ^2/NDF: 1265882.3/77



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 17.465+/-0.355 χ^2/NDF:2940.8/21

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 16.004+/-0.345 χ^2/NDF:3219.3/21

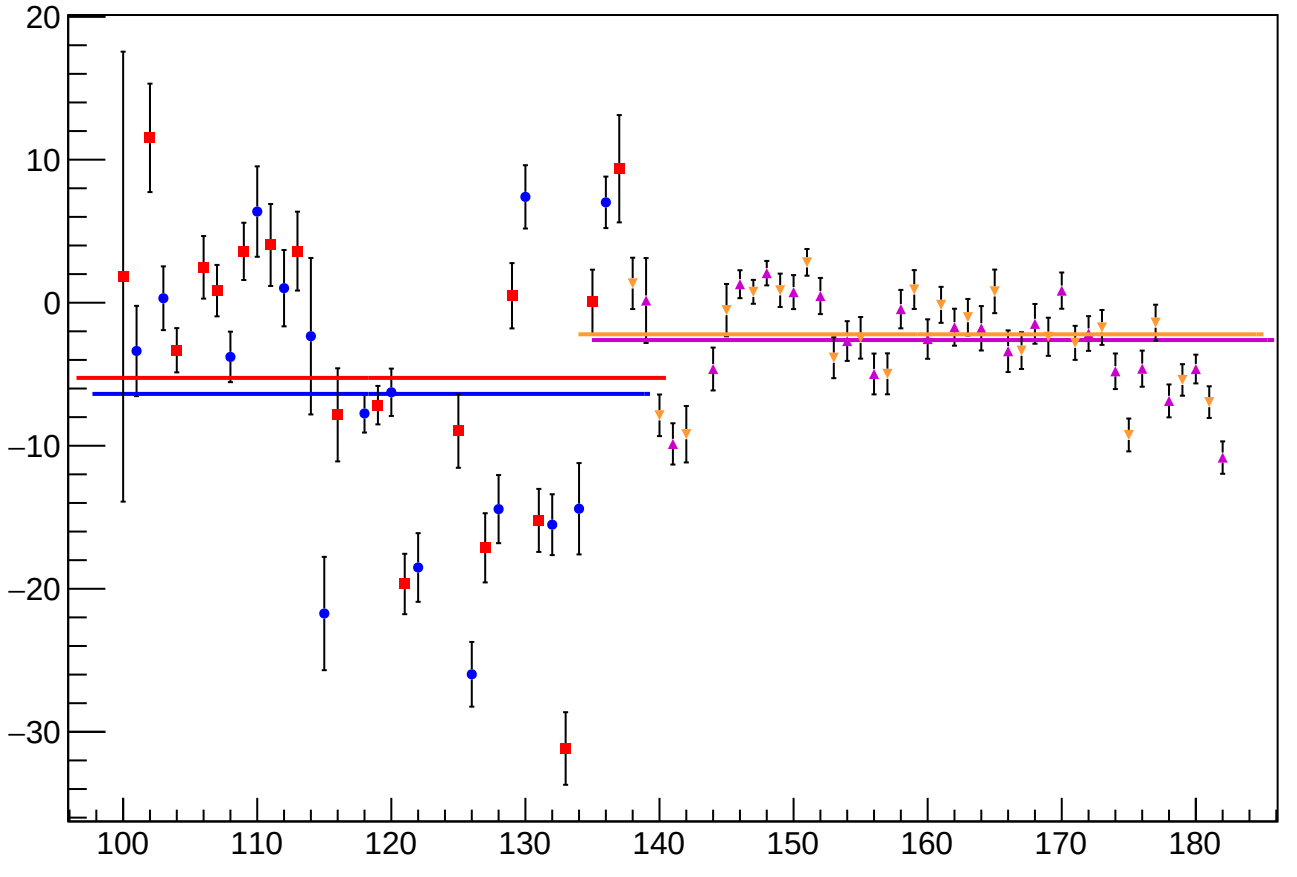
Left: 16.713+/-0.247 χ^2/NDF: 6168.8/43

Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 1.740+/-0.292 χ^2/NDF:12765.8/37

Out: 1.846+/-0.292 χ^2/NDF:12179.7/39

All: 1.793+/-0.206 χ^2/NDF: 24945.6/77



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -2.209+/-0.268 χ^2/NDF:164.8/21

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -2.610+/-0.267 χ^2/NDF:178.4/21

Left: -2.410+/-0.189 χ^2/NDF: 344.3/43

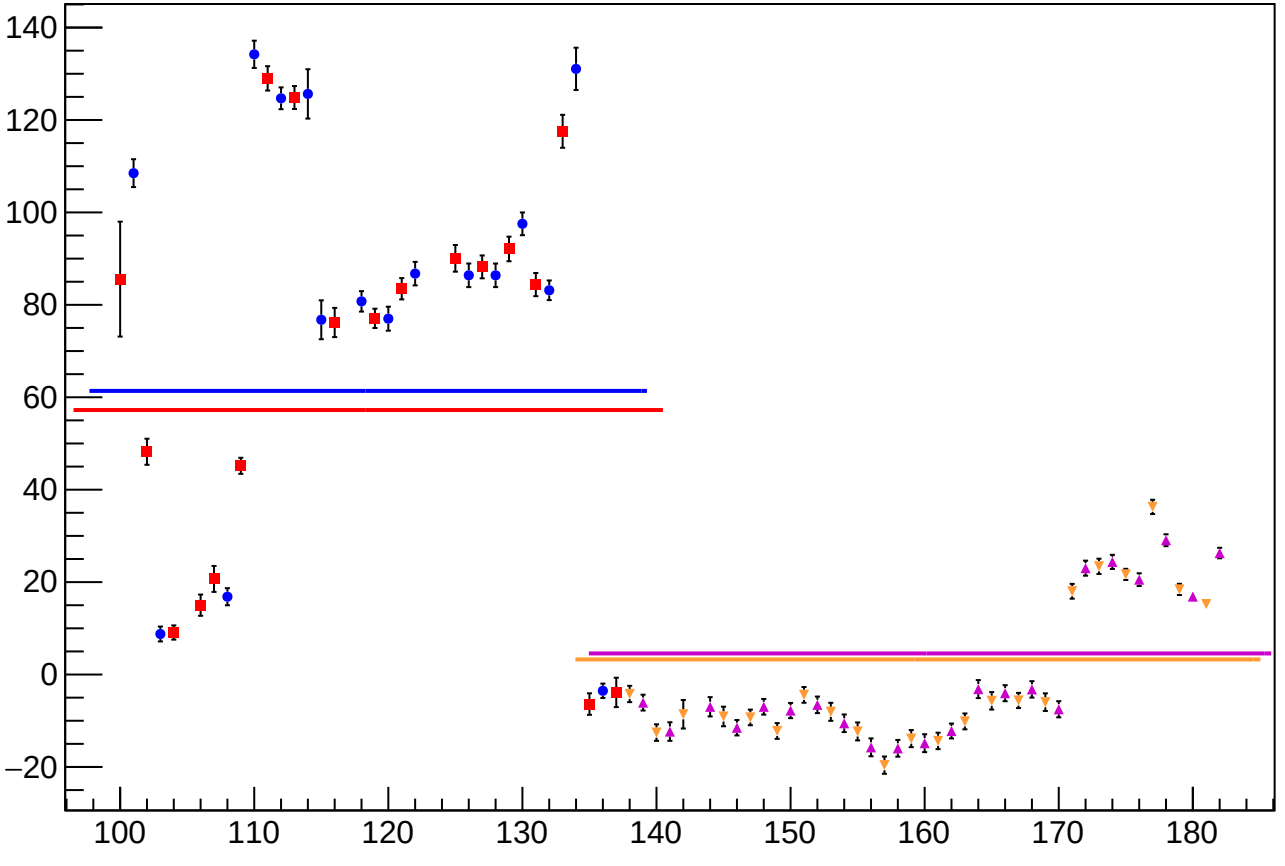
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -3.322+/-0.241 χ^2/NDF:499.5/37

Out: -2.826+/-0.240 χ^2/NDF:503.9/39

All: -3.073+/-0.170 χ^2/NDF: 1005.5/77

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: 3.269+/-0.351 χ^2/NDF:2079.1/21

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: 4.565+/-0.341 χ^2/NDF:2294.2/21

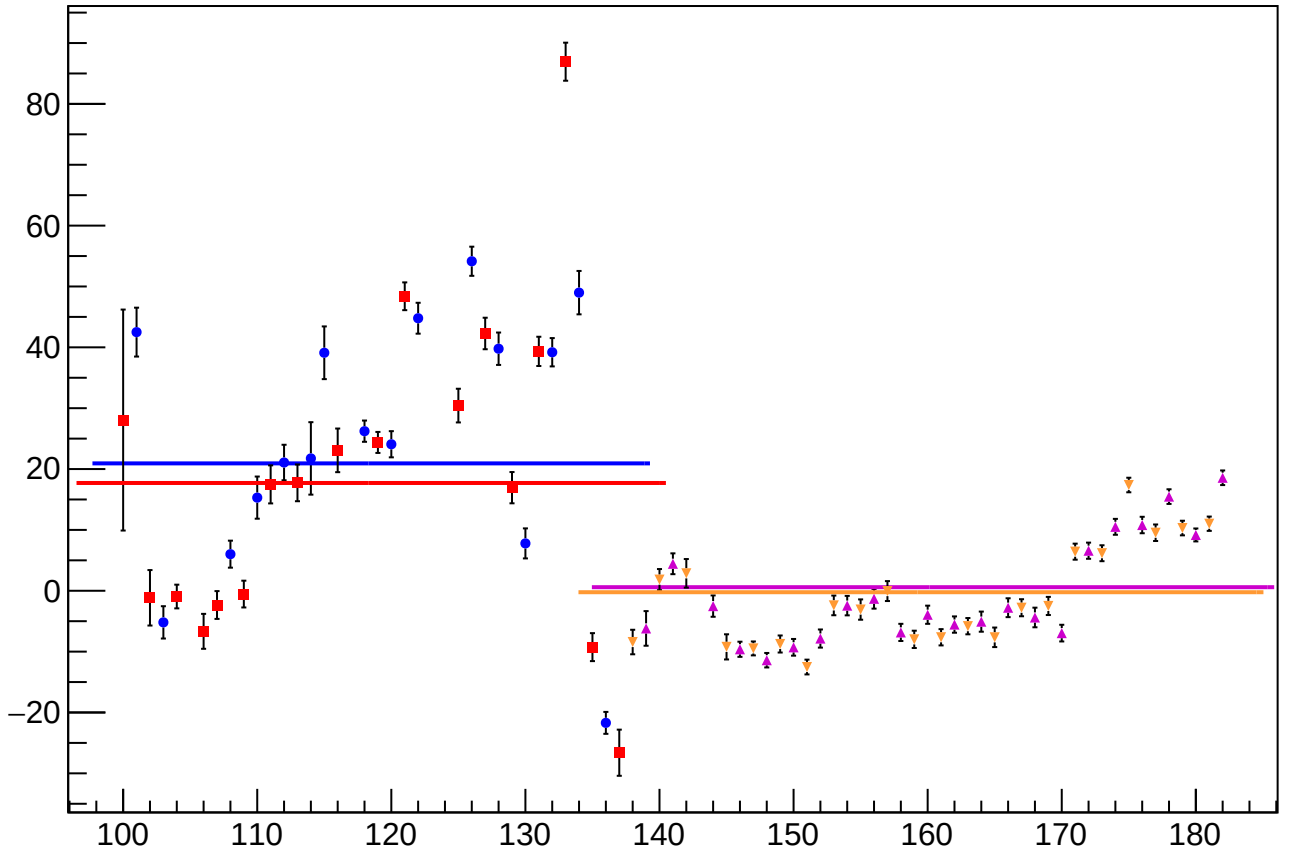
Left: 3.935+/-0.245 χ^2/NDF: 4380.4/43

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 18.648+/-0.296 χ^2/NDF:15233.8/37

Out: 17.708+/-0.300 χ^2/NDF:13684.9/39

All: 18.185+/-0.211 χ^2/NDF: 28923.7/77



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -0.239+/-0.304 χ^2/NDF:839.6/21

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: 0.587+/-0.301 χ^2/NDF:963.1/21

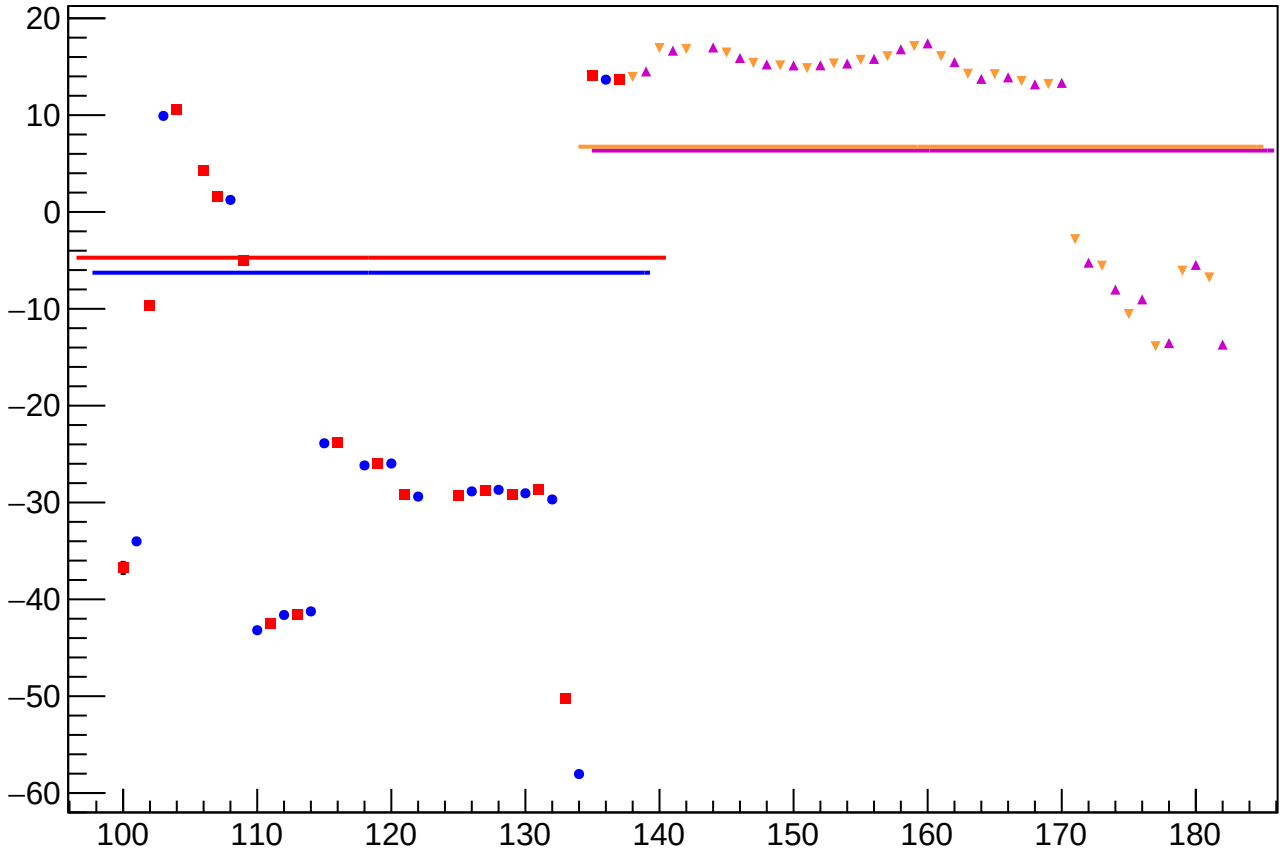
Left: 0.179+/-0.214 χ^2/NDF: 1806.5/43

Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 4.261+/-0.272 χ^2/NDF:3036.1/37

Out: 3.253+/-0.273 χ^2/NDF:3000.8/39

All: 3.758+/-0.193 χ^2/NDF: 6043.7/77



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 6.740+/-0.014 χ^2/NDF:675957.7/21

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 6.342+/-0.013 χ^2/NDF:795310.9/21

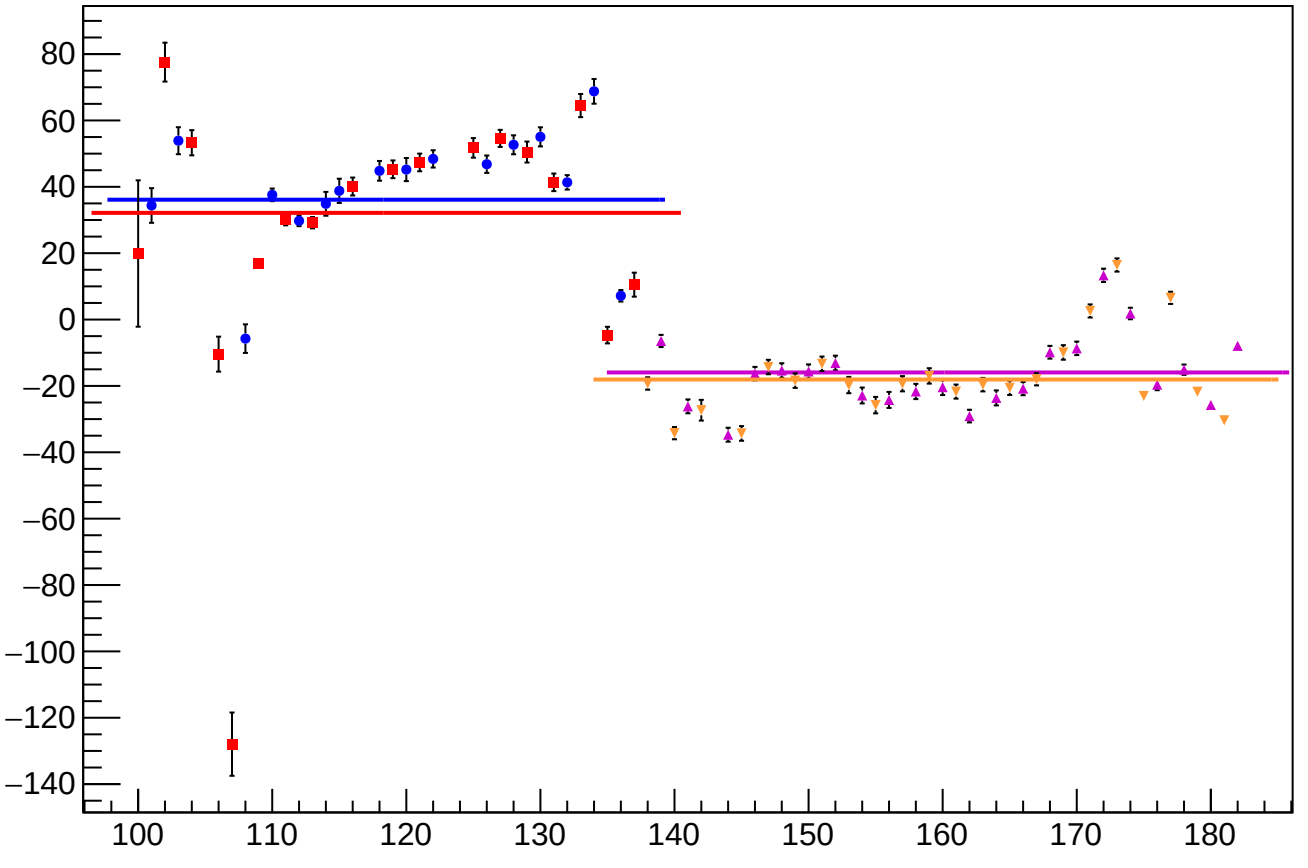
Left: 6.536+/-0.010 χ^2/NDF: 1471703.3/43

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 4.617+/-0.012 χ^2/NDF:1328766.2/37

Out: 5.121+/-0.013 χ^2/NDF:1081994.6/39

All: 4.863+/-0.009 χ^2/NDF: 2411572.4/77



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -18.070+/-0.417 χ^2/NDF:880.6/21

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -15.940+/-0.408 χ^2/NDF:659.6/21

Left: -16.984+/-0.292 χ^2/NDF: 1553.6/43

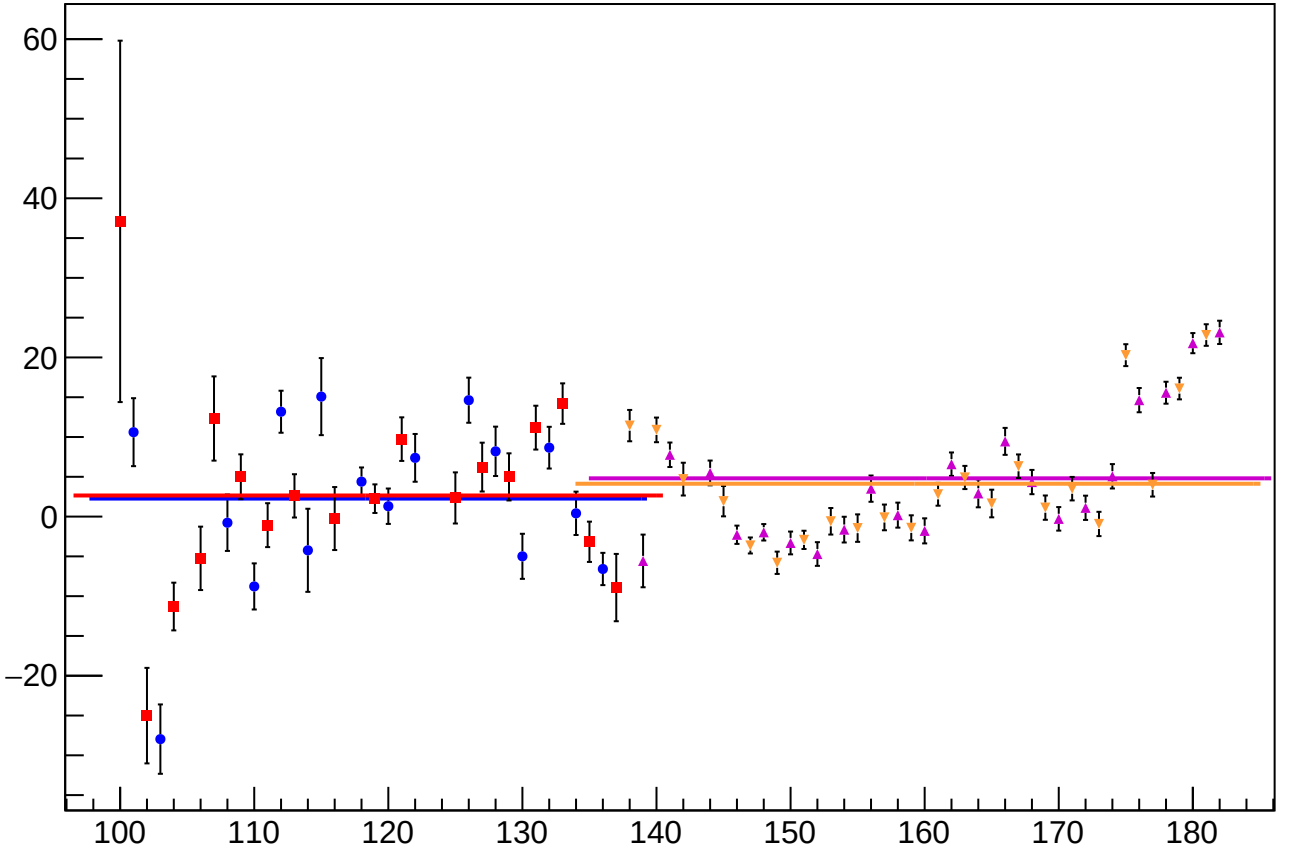
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: -1.419+/-0.347 χ^2/NDF:5817.5/37

Out: -2.809+/-0.348 χ^2/NDF:6409.9/39

All: -2.112+/-0.245 χ^2/NDF: 12235.4/77

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: 4.129+/-0.315 χ^2/NDF:645.1/21

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 4.807+/-0.316 χ^2/NDF:678.3/21

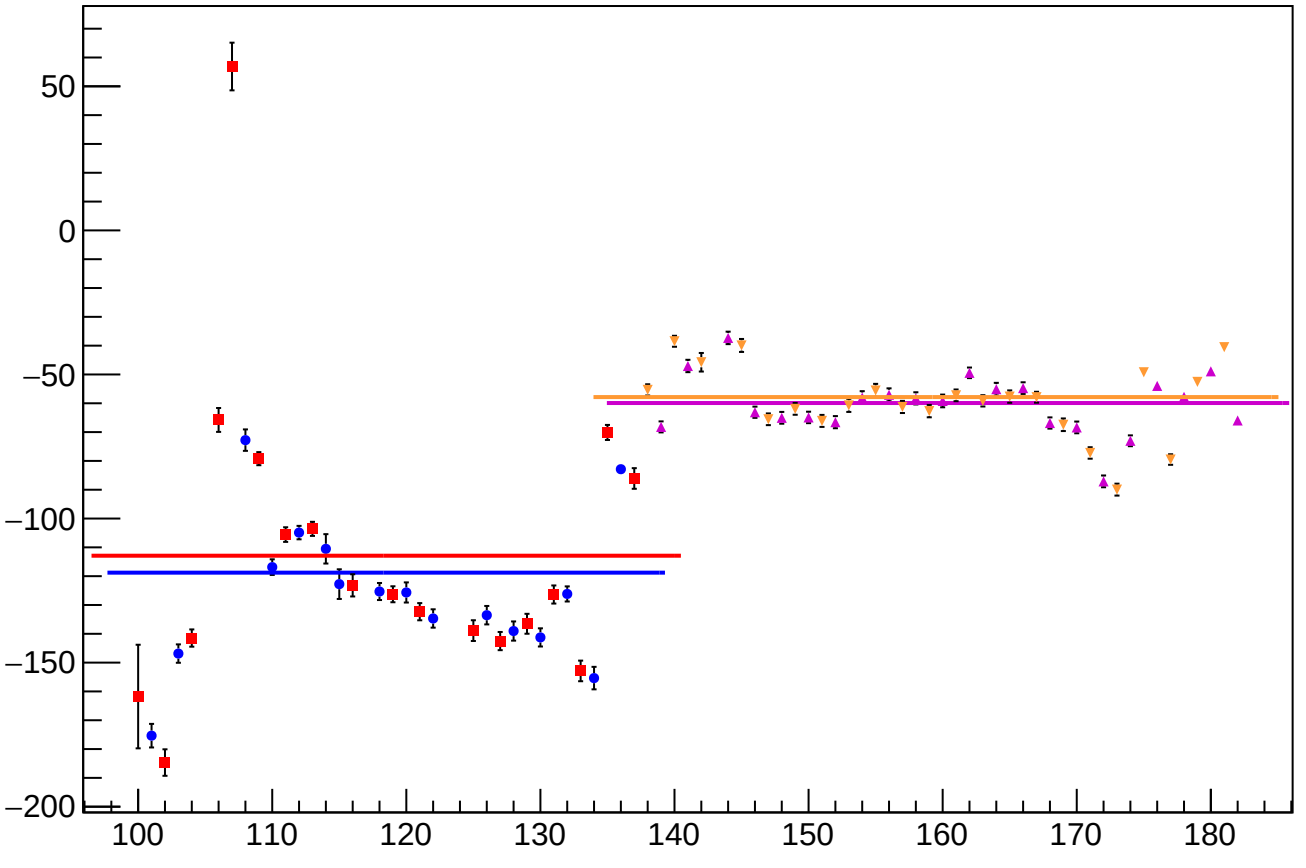
Left: 4.468+/-0.223 χ^2/NDF: 1325.7/43

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 4.379+/-0.288 χ^2/NDF:841.2/37

Out: 3.888+/-0.289 χ^2/NDF:755.9/39

All: 4.134+/-0.204 χ^2/NDF: 1598.6/77



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -57.847+/-0.412 χ^2/NDF:953.4/21

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.910+/-0.404 χ^2/NDF:593.6/21

Left: -58.899+/-0.289 χ^2/NDF: 1559.7/43

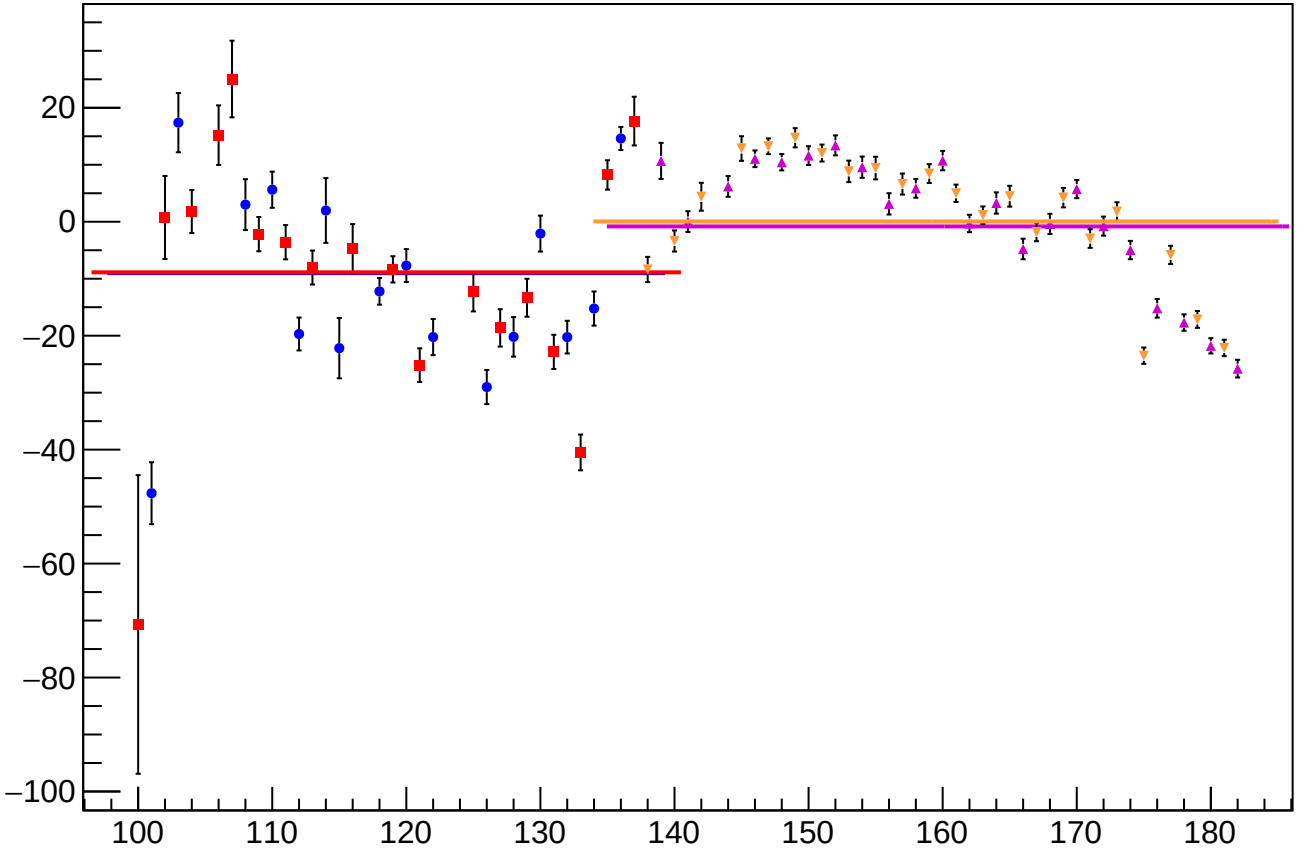
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -72.970+/-0.356 χ^2/NDF:6421.0/37

Out: -70.328+/-0.362 χ^2/NDF:6863.5/39

All: -71.670+/-0.254 χ^2/NDF: 13311.6/77

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: 0.050+/-0.357 χ^2/NDF:1056.8/21

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: -0.820+/-0.355 χ^2/NDF:1127.4/21

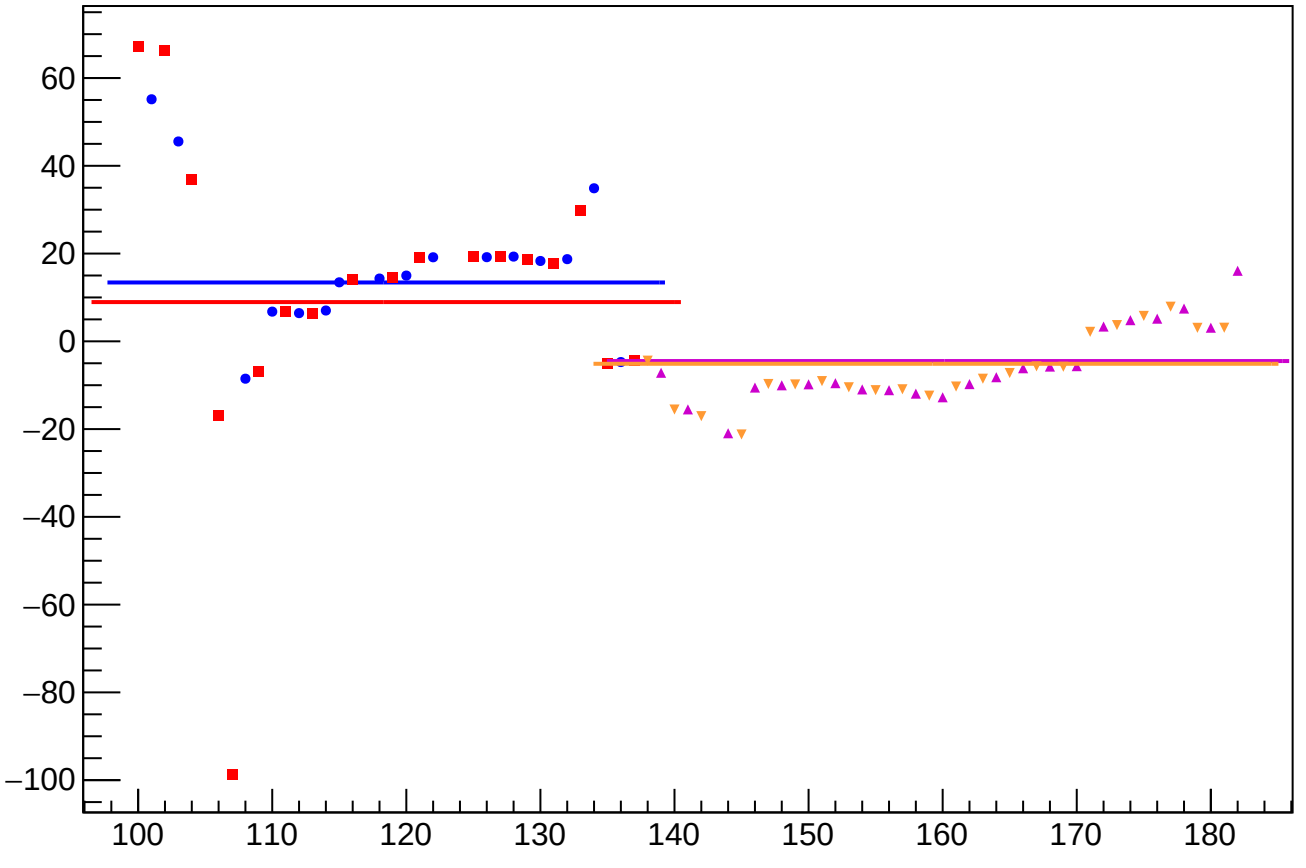
Left: -0.388+/-0.252 χ^2/NDF: 2187.2/43

Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: -2.182+/-0.324 χ^2/NDF:1574.0/37

Out: -1.401+/-0.327 χ^2/NDF:1477.1/39

All: -1.794+/-0.230 χ^2/NDF: 3054.0/77



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -5.119+/-0.016 χ^2/NDF:224025.0/21

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -4.495+/-0.016 χ^2/NDF:298494.2/21

Left: -4.800+/-0.011 χ^2/NDF: 523294.6/43

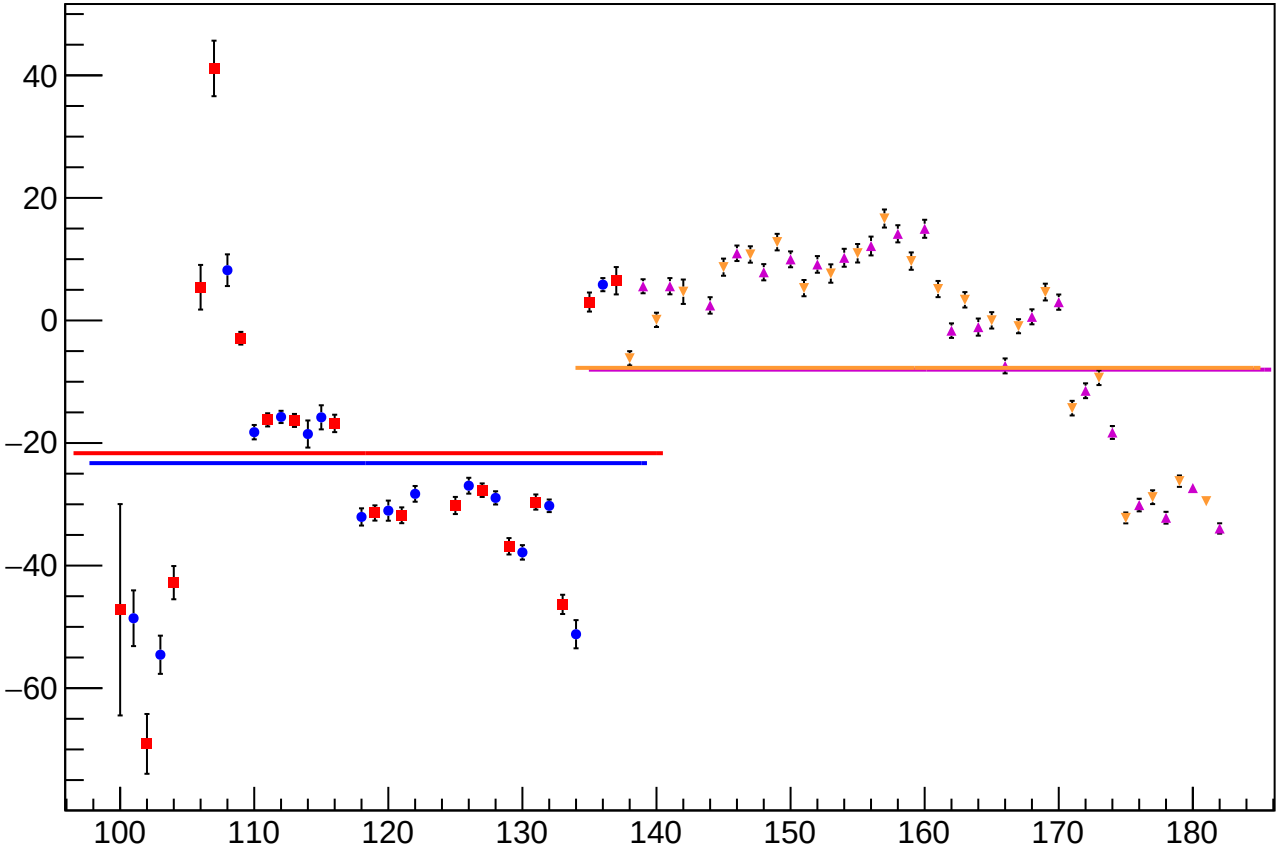
Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -2.577+/-0.015 χ^2/NDF:621839.0/37

Out: -3.677+/-0.015 χ^2/NDF:594140.4/39

All: -3.114+/-0.011 χ^2/NDF: 1218666.3/77

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: -7.734+/-0.257 χ^2/NDF:4116.5/21

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: -8.027+/-0.251 χ^2/NDF:4758.0/21

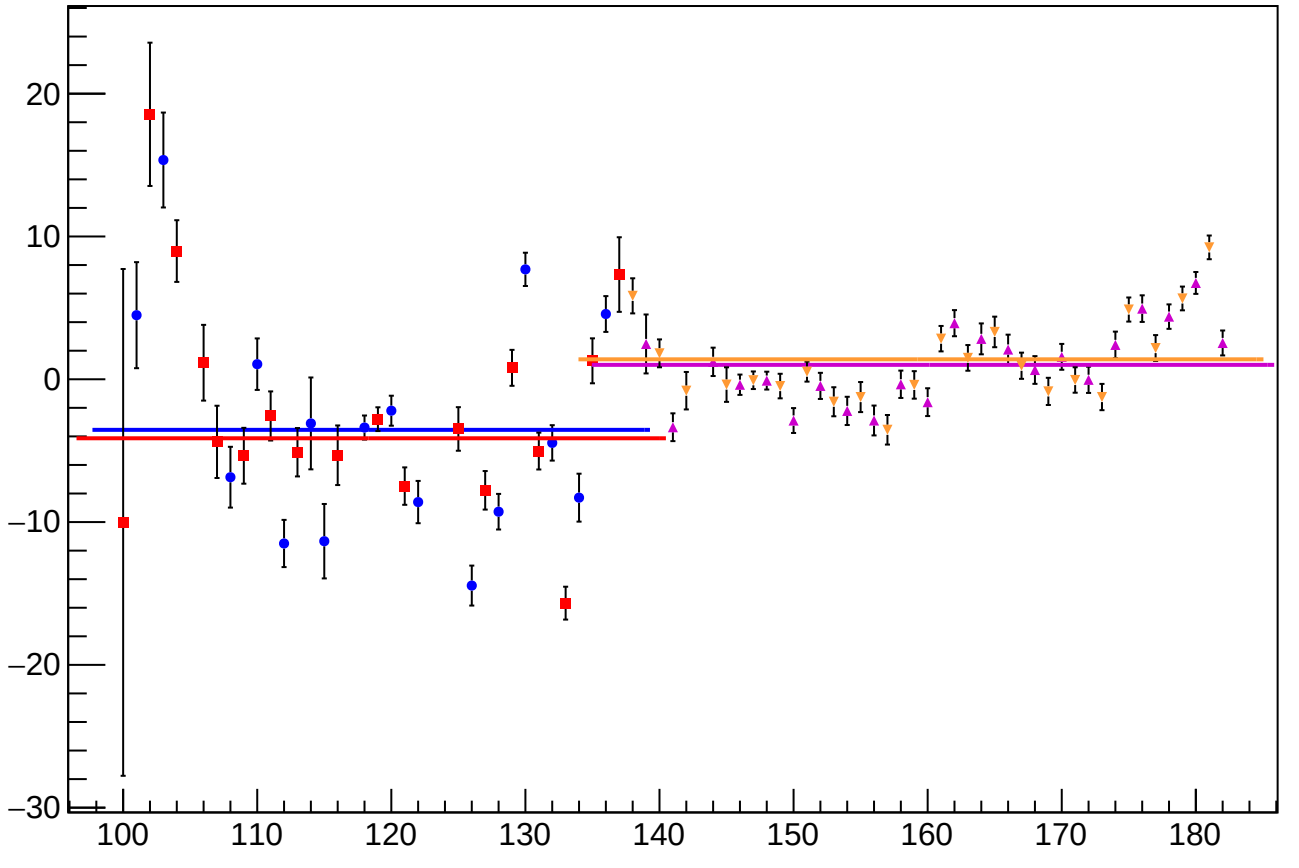
Left: -7.884+/-0.179 χ^2/NDF: 8875.1/43

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -13.200+/-0.204 χ^2/NDF:7578.4/37

Out: -12.656+/-0.206 χ^2/NDF:6969.4/39

All: -12.931+/-0.145 χ^2/NDF: 14551.3/77



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 1.397+/-0.194 χ^2/NDF:227.1/21

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 1.010+/-0.194 χ^2/NDF:194.7/21

Left: 1.204+/-0.137 χ^2/NDF: 423.7/43

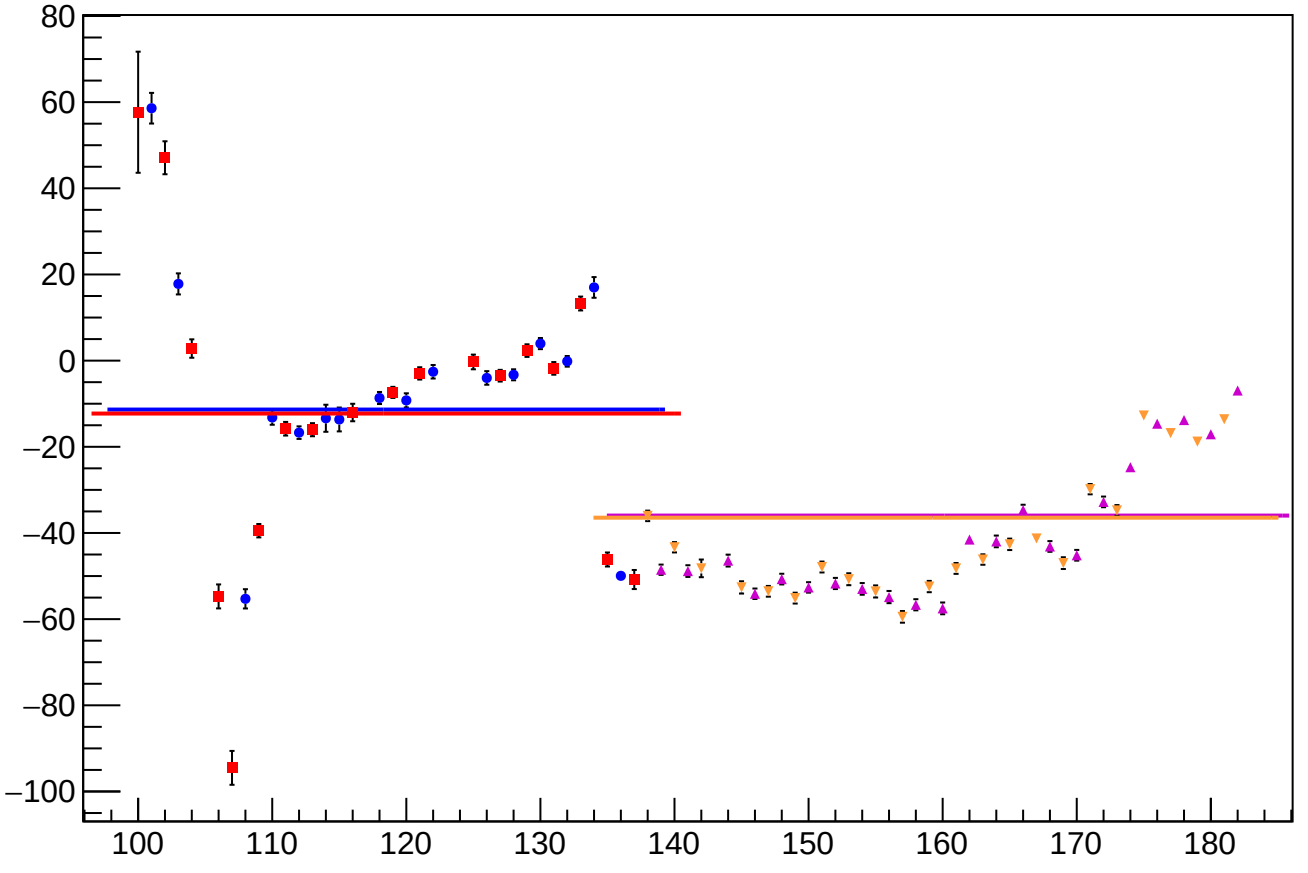
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -0.003+/-0.171 χ^2/NDF:633.9/37

Out: 0.207+/-0.172 χ^2/NDF:629.1/39

All: 0.101+/-0.121 χ^2/NDF: 1263.7/77

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -36.451+/-0.254 χ^2/NDF:3901.8/21

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -35.964+/-0.248 χ^2/NDF:4690.3/21

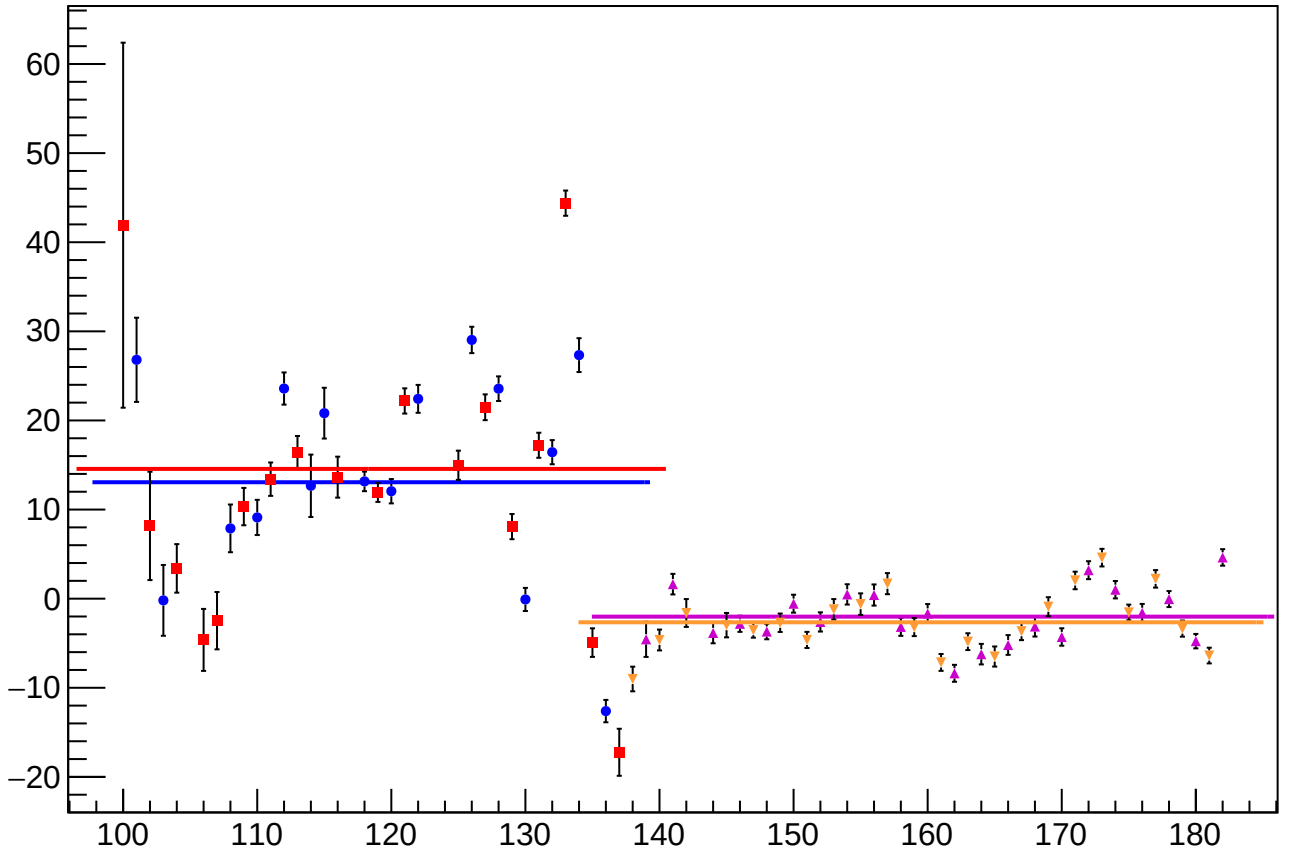
Left: -36.202+/-0.178 χ^2/NDF: 8594.0/43

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

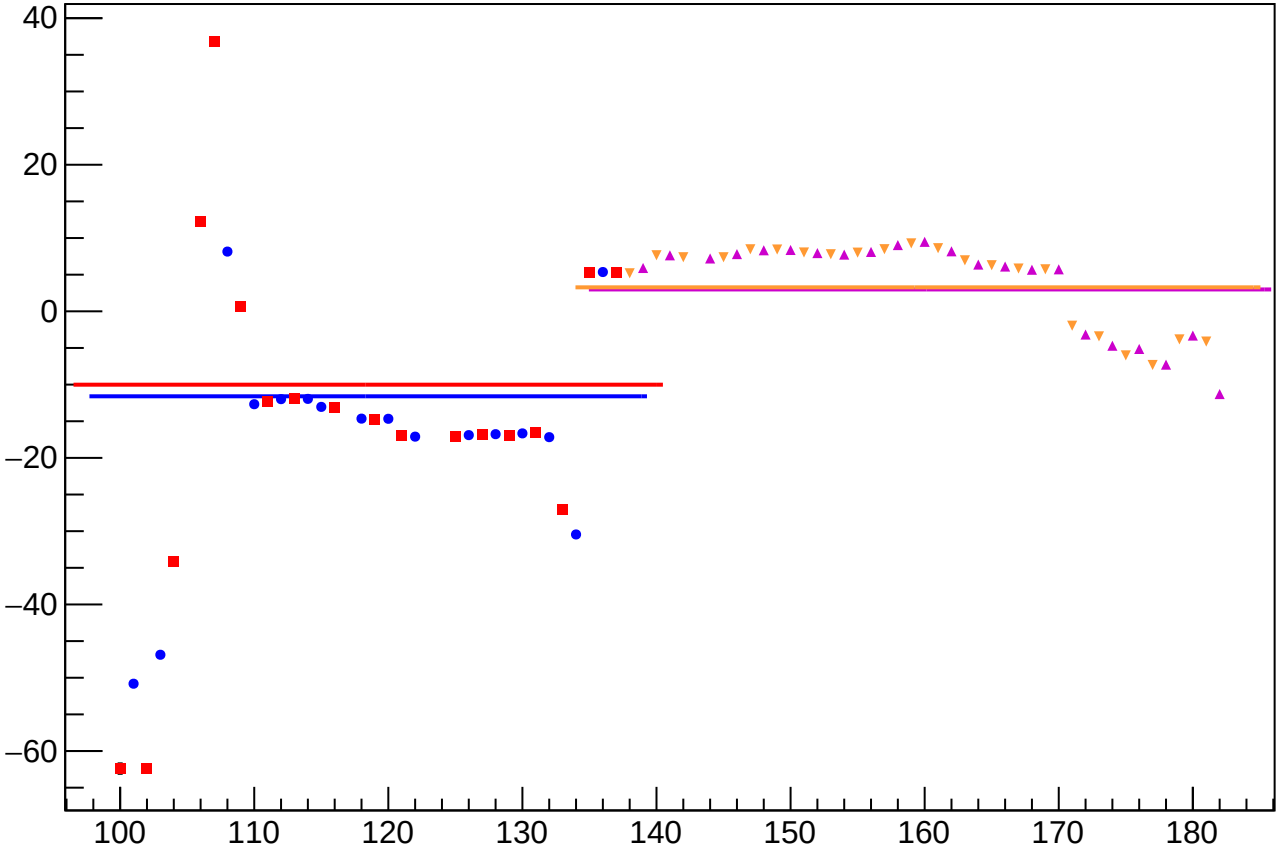
In: -29.251+/-0.212 χ^2/NDF:10028.0/37

Out: -29.825+/-0.216 χ^2/NDF:8976.5/39

All: -29.532+/-0.151 χ^2/NDF: 19008.1/77


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: 13.066+/-0.415 χ²/NDF: 863.4/15
Left Out: -2.652+/-0.220 χ²/NDF:213.1/21
Right Out: 14.563+/-0.423 χ²/NDF: 903.1/17
Left In: -2.016+/-0.218 χ²/NDF:208.7/21
Left: -2.332+/-0.155 χ²/NDF: 426.0/43
Right: 13.801+/-0.296 χ²/NDF: 1772.9/33
In: 1.256+/-0.193 χ²/NDF:2107.7/37
Out: 1.016+/-0.195 χ²/NDF:2422.7/39
All: 1.137+/-0.137 χ²/NDF: 4531.2/77

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 3.272+/-0.010 χ^2/NDF:352178.4/21

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 2.984+/-0.010 χ^2/NDF:454999.1/21

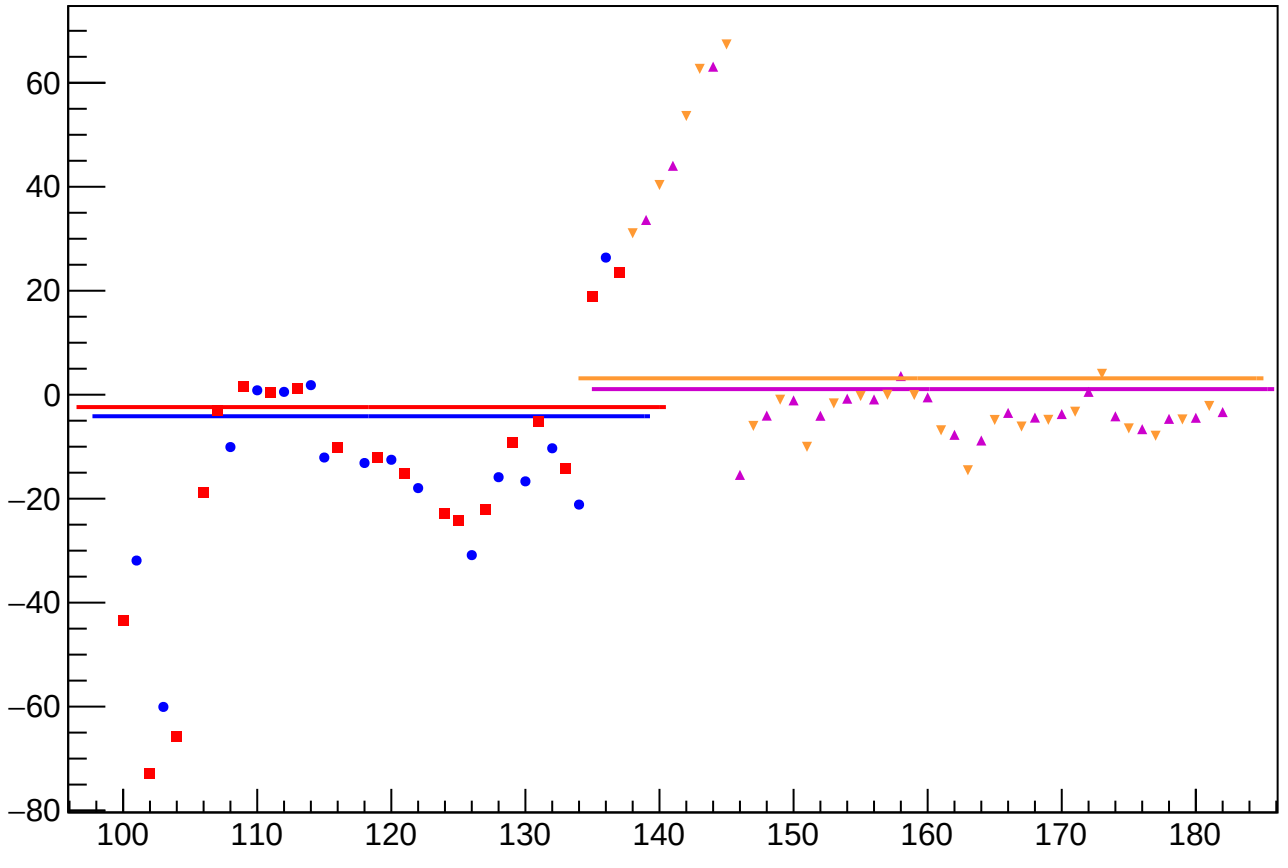
Left: 3.124+/-0.007 χ^2/NDF: 807613.3/43

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 1.254+/-0.009 χ^2/NDF:1086167.5/37

Out: 1.749+/-0.009 χ^2/NDF:955868.4/39

All: 1.495+/-0.006 χ^2/NDF: 2043489.1/77



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 3.152+/-0.043 χ^2/NDF:174450.7/22

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 1.075+/-0.041 χ^2/NDF:132272.3/21

Left: 2.044+/-0.030 χ^2/NDF: 307942.8/44

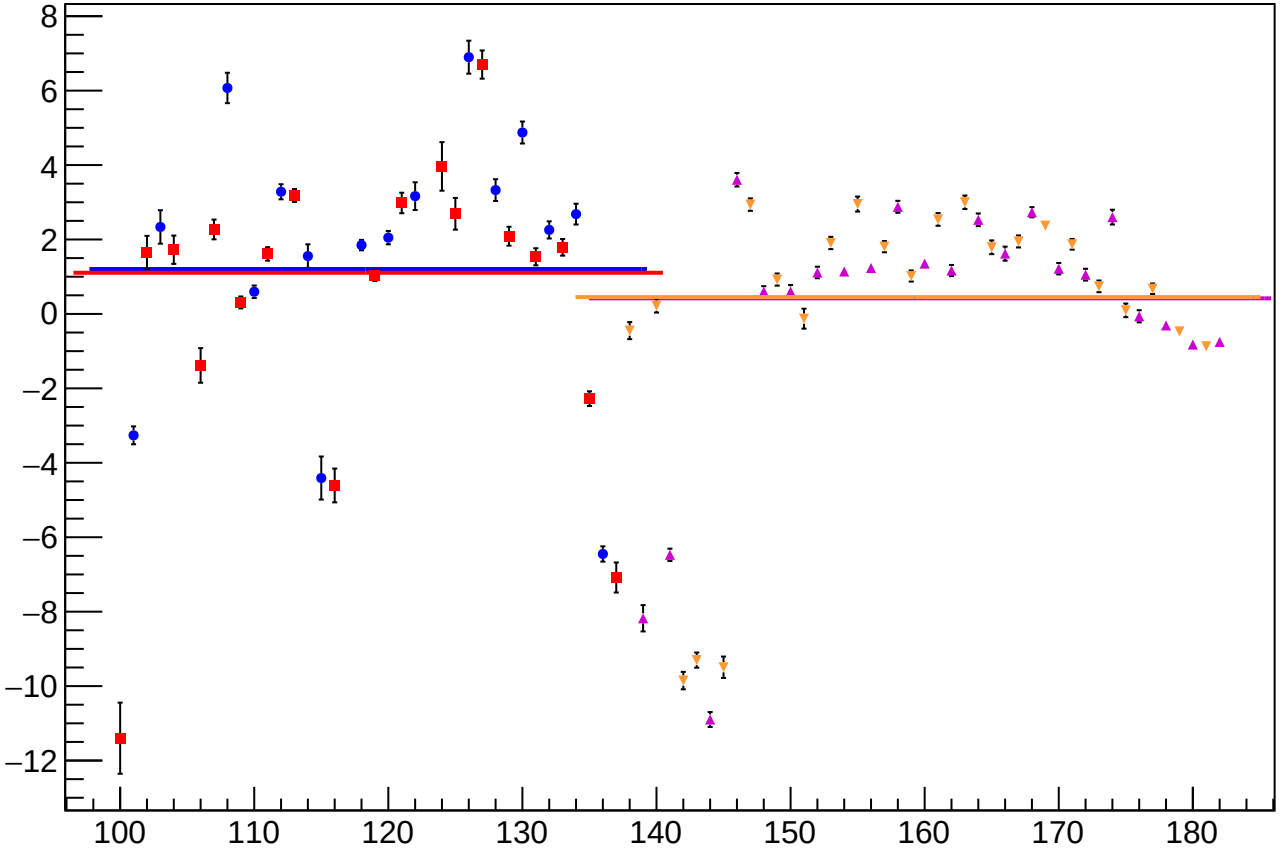
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: -0.782+/-0.033 χ^2/NDF:213406.6/37

Out: 0.552+/-0.032 χ^2/NDF:262826.9/41

All: -0.094+/-0.023 χ^2/NDF: 477095.3/79

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.453+/-0.035 χ^2/NDF:6977.5/22

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.419+/-0.032 χ^2/NDF:7099.1/21

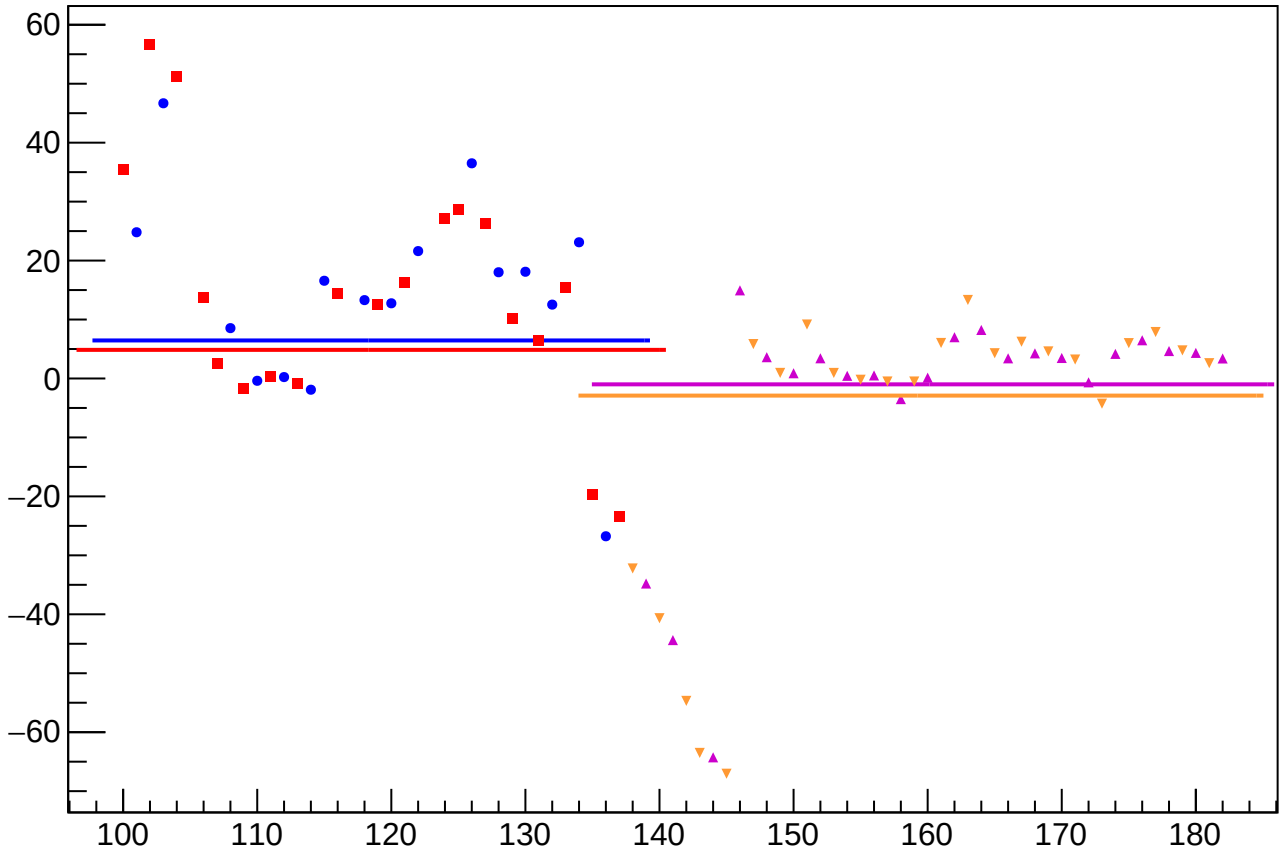
Left: 0.434+/-0.023 χ^2/NDF: 14077.1/44

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.589+/-0.028 χ^2/NDF:9816.5/37

Out: 0.628+/-0.030 χ^2/NDF:8660.1/41

All: 0.607+/-0.020 χ^2/NDF: 18477.5/79



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -2.903+/-0.043 χ^2/NDF:168854.1/22

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -0.994+/-0.040 χ^2/NDF:128940.8/21

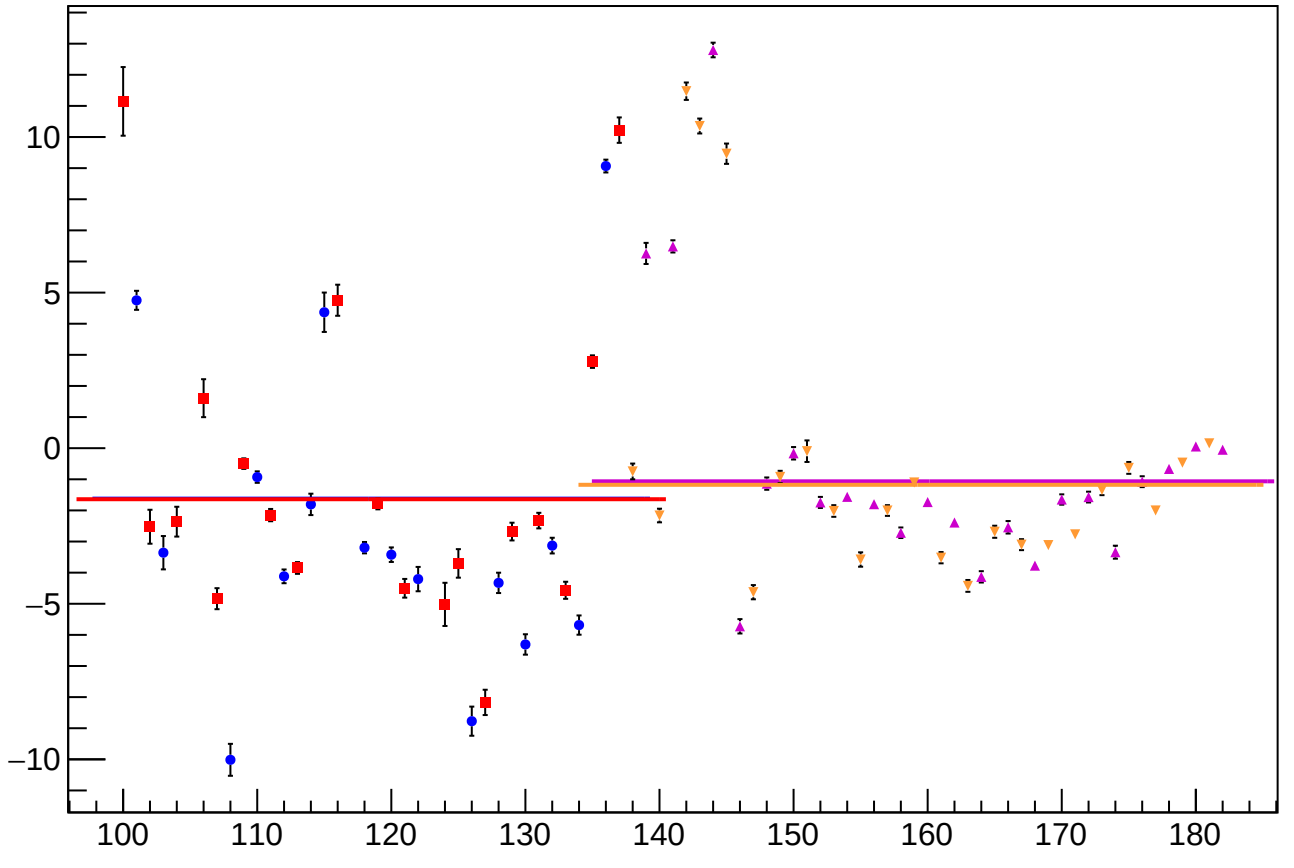
Left: -1.874+/-0.029 χ^2/NDF: 298846.9/44

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: 1.040+/-0.034 χ^2/NDF:209091.0/37

Out: -0.205+/-0.035 χ^2/NDF:255334.6/41

All: 0.432+/-0.024 χ^2/NDF: 465077.1/79



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.177+/-0.038 χ^2/NDF:6926.6/22

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -1.065+/-0.035 χ^2/NDF:7003.2/21

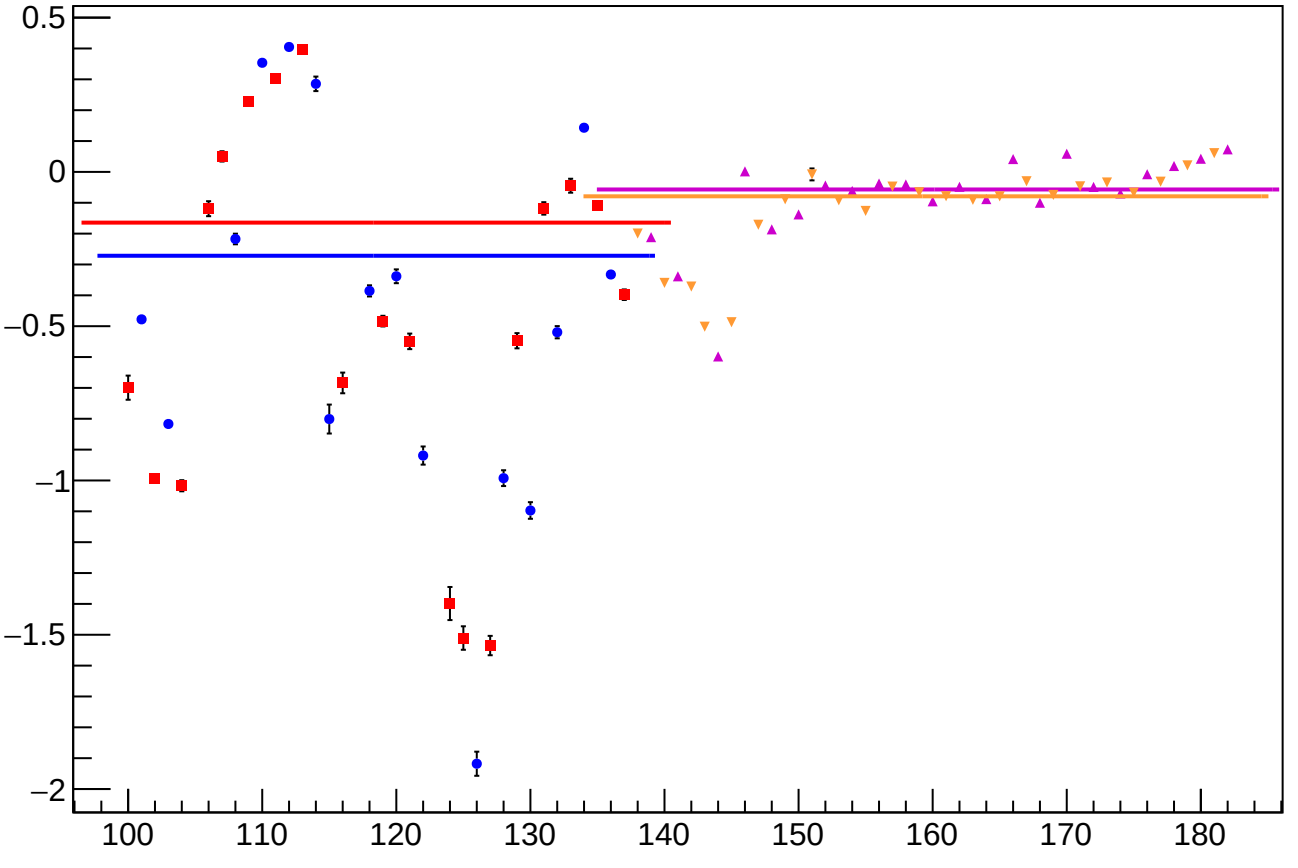
Left: -1.116+/-0.026 χ^2/NDF: 13934.3/44

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.179+/-0.031 χ^2/NDF:11579.3/37

Out: -1.298+/-0.033 χ^2/NDF:9426.8/41

All: -1.235+/-0.023 χ^2/NDF: 21012.9/79



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.079+/-0.002 χ^2/NDF:4786.0/22

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.057+/-0.002 χ^2/NDF:4869.6/21

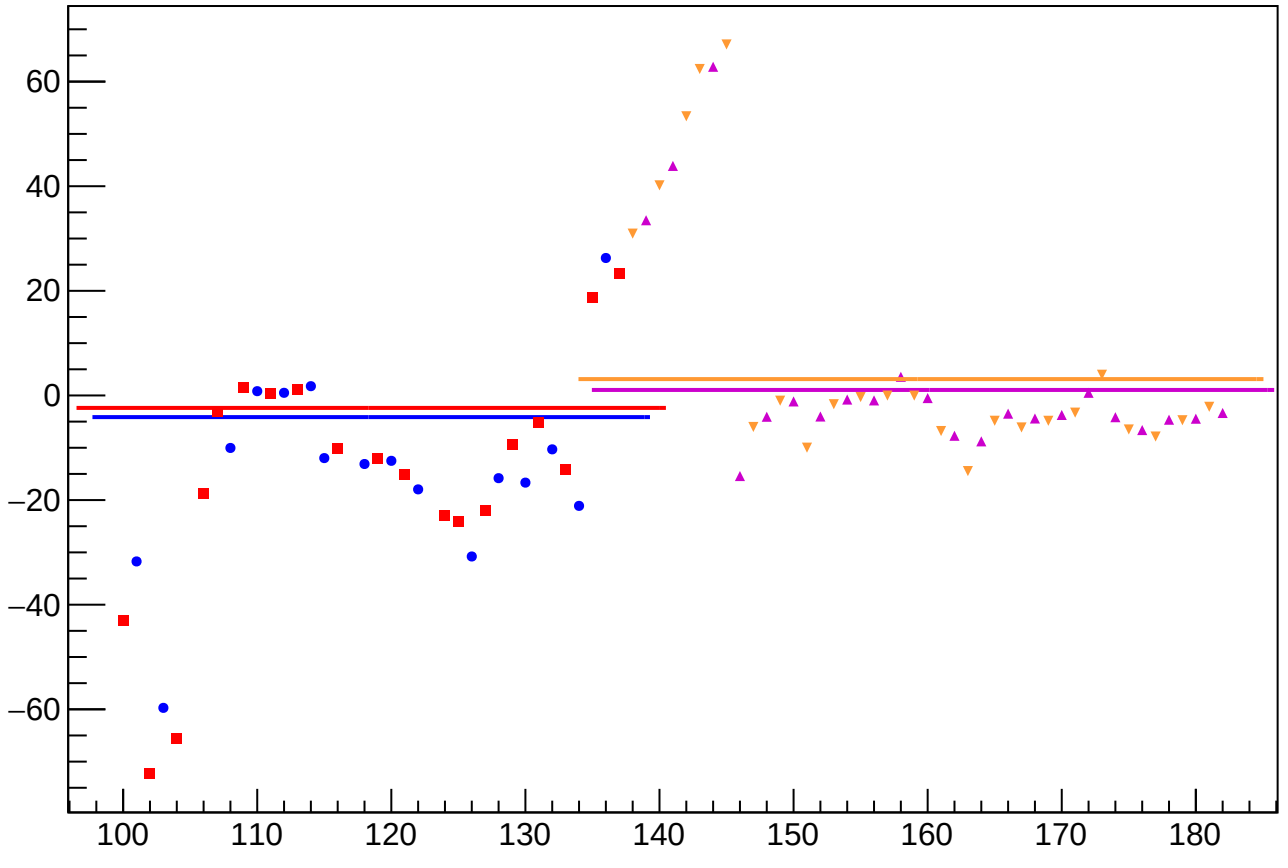
Left: -0.067+/-0.001 χ^2/NDF: 9751.3/44

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.082+/-0.001 χ^2/NDF:19278.2/37

Out: -0.093+/-0.002 χ^2/NDF:20703.8/41

All: -0.087+/-0.001 χ^2/NDF: 40009.7/79



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 3.127+/-0.043 χ^2/NDF:174202.2/22

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 1.053+/-0.041 χ^2/NDF:132155.4/21

Left: 2.021+/-0.030 χ^2/NDF: 307581.0/44

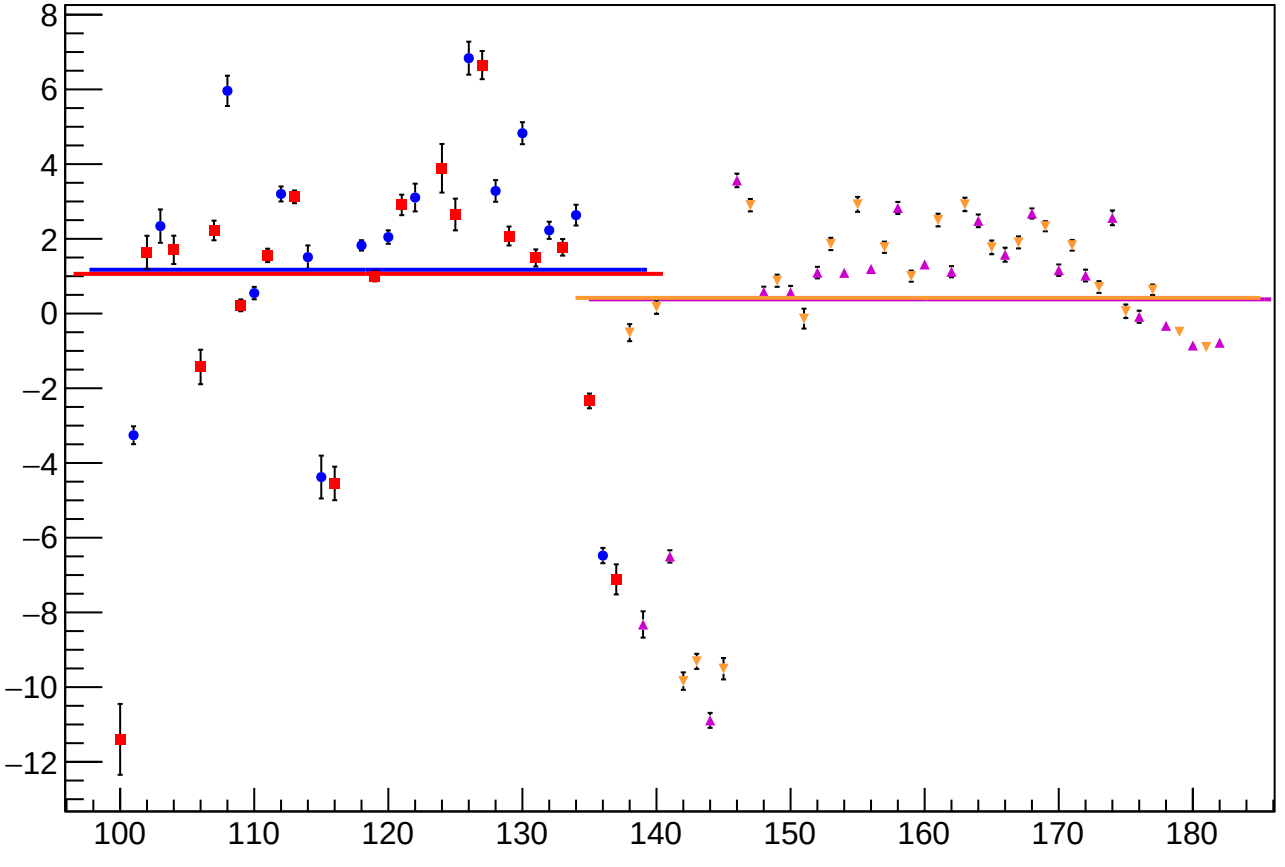
Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: -0.801+/-0.032 χ^2/NDF:213262.6/37

Out: 0.531+/-0.031 χ^2/NDF:262499.8/41

All: -0.114+/-0.023 χ^2/NDF: 476630.4/79

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.419+/-0.034 χ^2/NDF:6979.2/22

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.380+/-0.032 χ^2/NDF:7110.9/21

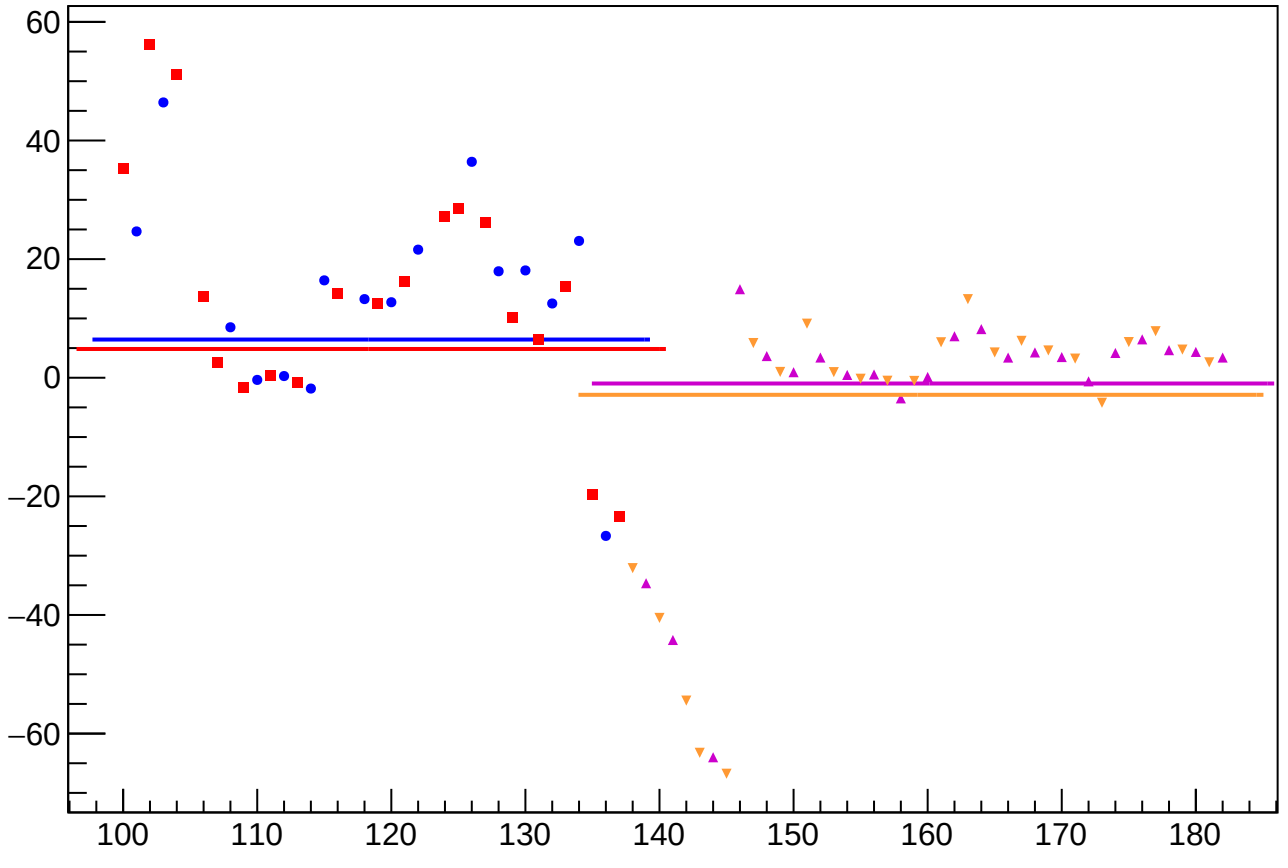
Left: 0.398+/-0.023 χ^2/NDF: 14090.8/44

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.553+/-0.028 χ^2/NDF:9831.2/37

Out: 0.592+/-0.029 χ^2/NDF:8669.3/41

All: 0.571+/-0.020 χ^2/NDF: 18501.4/79



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -2.878+/-0.043 χ^2/NDF:168613.1/22

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -0.971+/-0.040 χ^2/NDF:128825.4/21

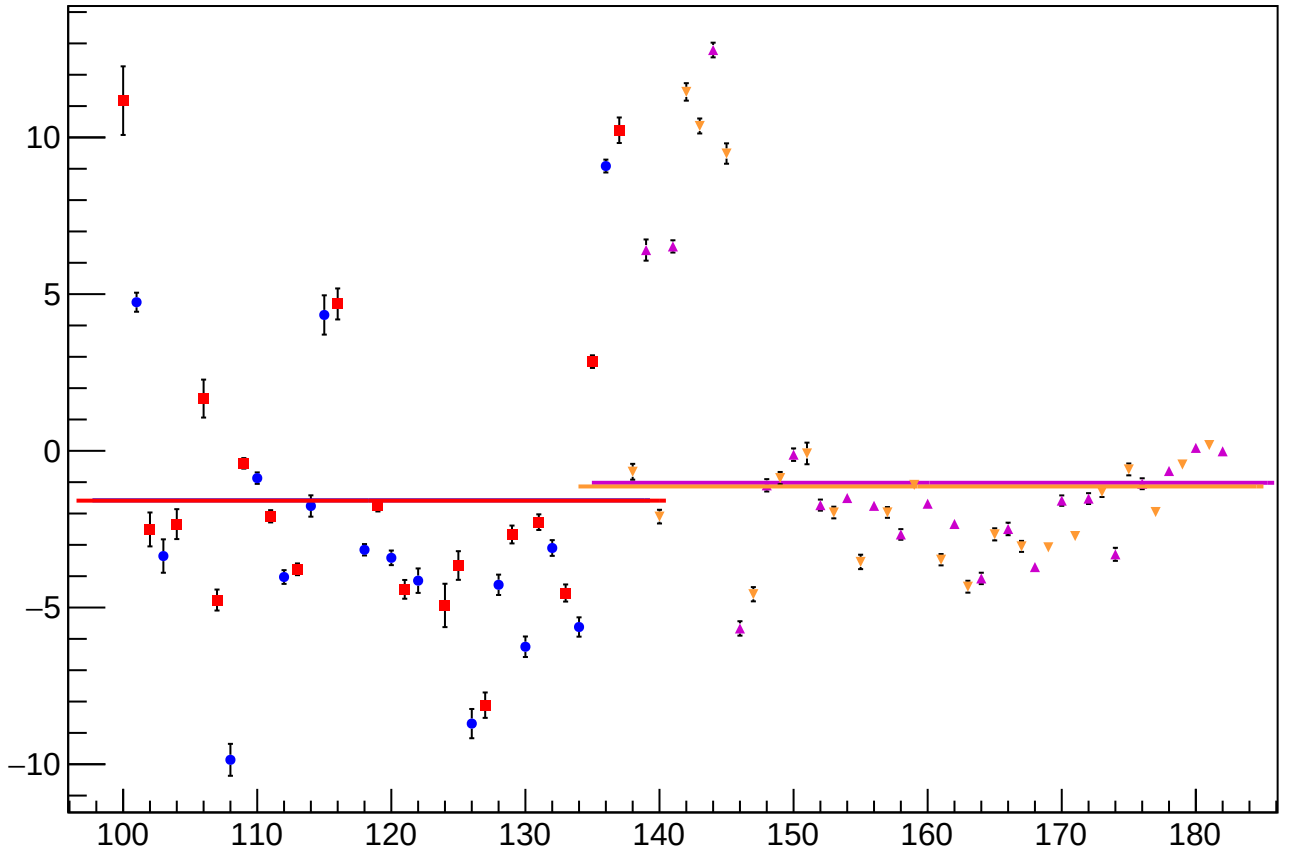
Left: -1.851+/-0.029 χ^2/NDF: 298494.4/44

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: 1.061+/-0.034 χ^2/NDF:208939.7/37

Out: -0.183+/-0.035 χ^2/NDF:255007.7/41

All: 0.453+/-0.024 χ^2/NDF: 464603.1/79



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.137+/-0.038 χ^2/NDF:6922.6/22

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -1.020+/-0.035 χ^2/NDF:7014.8/21

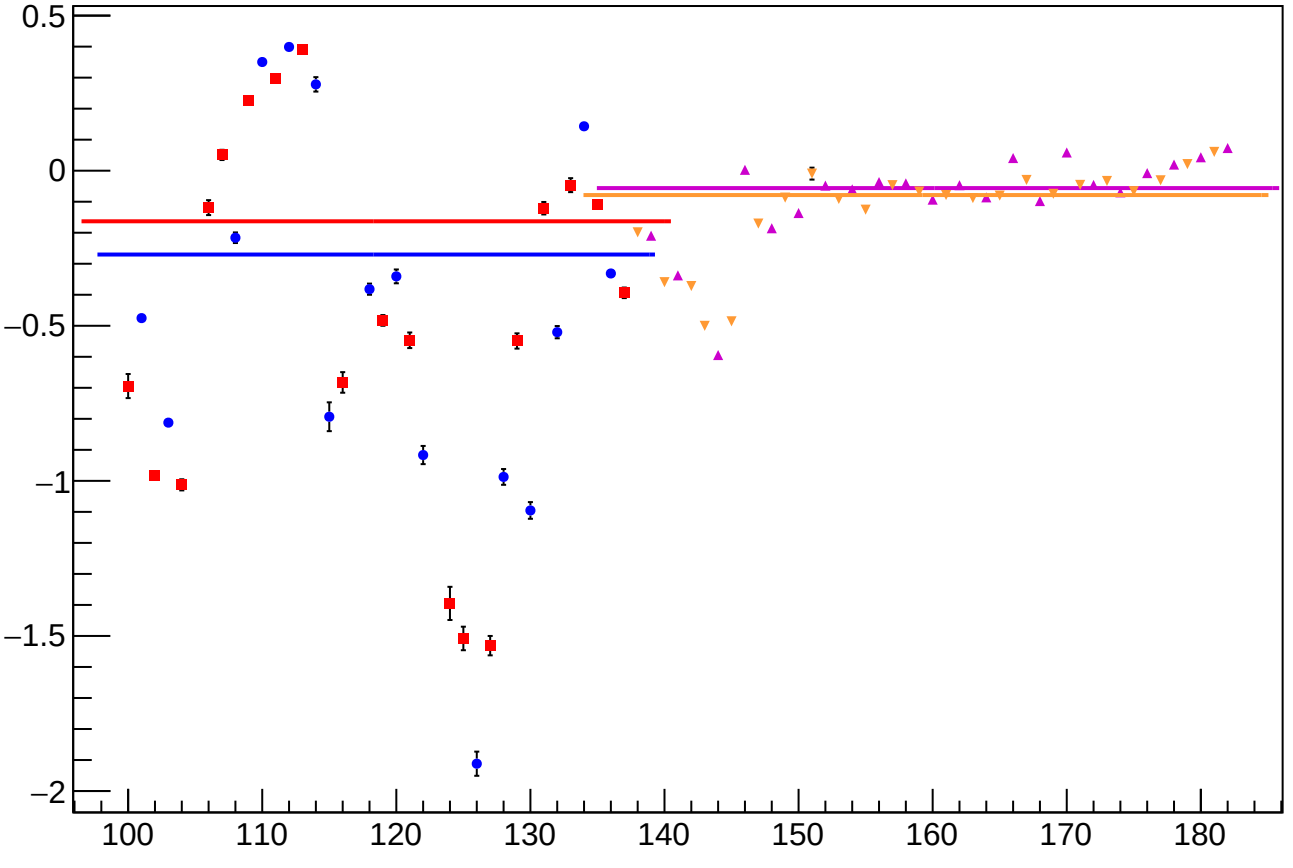
Left: -1.073+/-0.026 χ^2/NDF: 13942.5/44

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.135+/-0.031 χ^2/NDF:11591.1/37

Out: -1.256+/-0.033 χ^2/NDF:9431.4/41

All: -1.192+/-0.023 χ^2/NDF: 21029.5/79



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.079+/-0.002 χ^2/NDF:4801.5/22

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.056+/-0.002 χ^2/NDF:4845.8/21

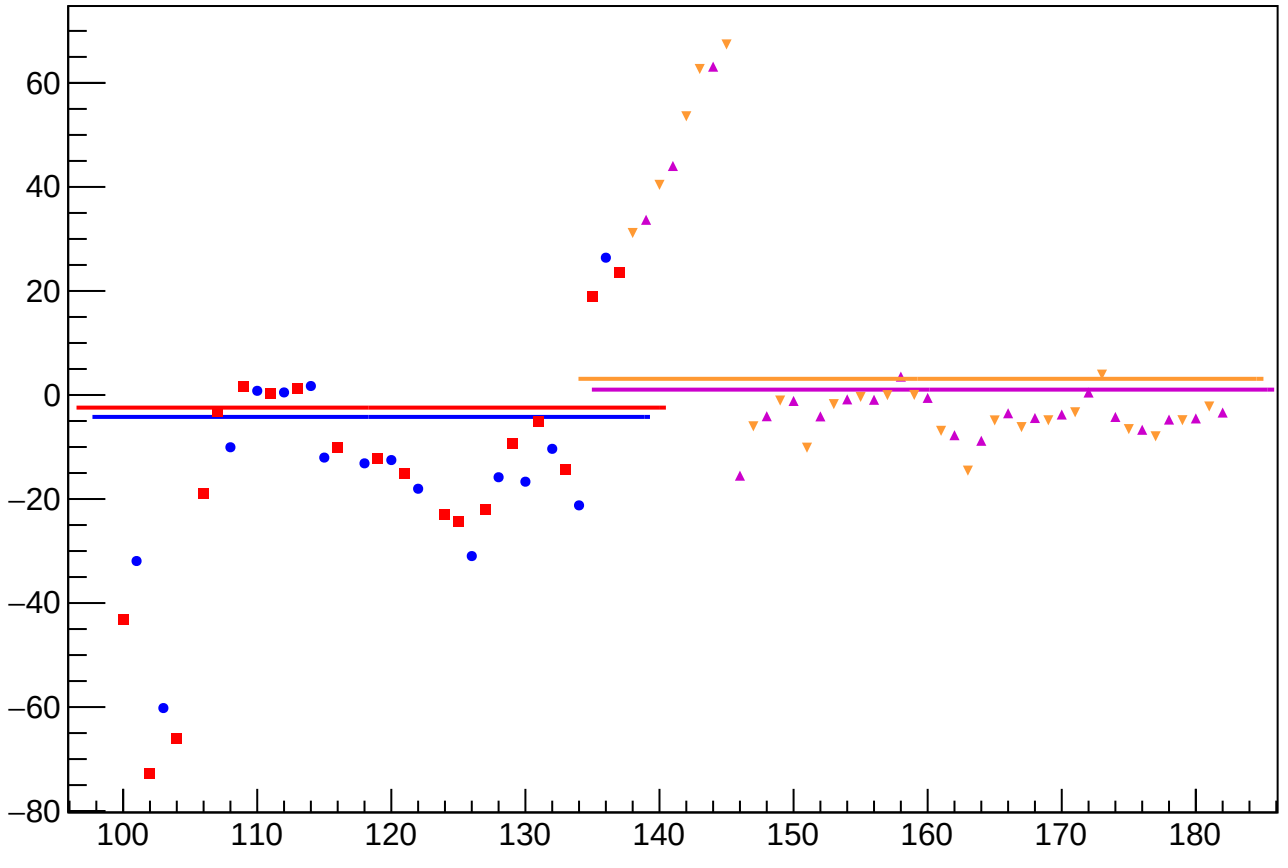
Left: -0.066+/-0.001 χ^2/NDF: 9746.2/44

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.081+/-0.001 χ^2/NDF:19251.6/37

Out: -0.093+/-0.002 χ^2/NDF:20729.9/41

All: -0.086+/-0.001 χ^2/NDF: 40010.3/79



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 3.110+/-0.043 χ^2/NDF:174638.7/22

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 1.031+/-0.041 χ^2/NDF:132324.6/21

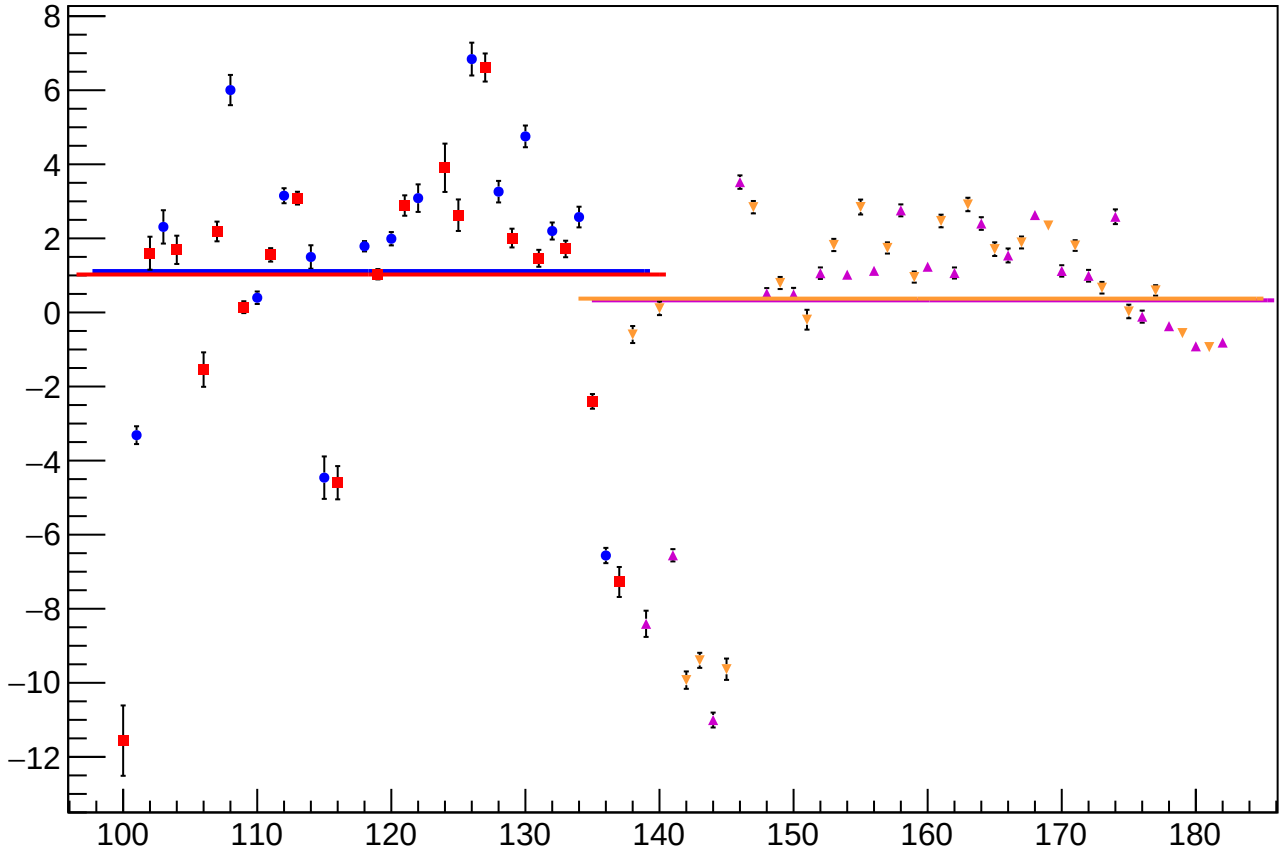
Left: 2.001+/-0.030 χ^2/NDF: 308184.0/44

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: -0.836+/-0.033 χ^2/NDF:213461.0/37

Out: 0.508+/-0.032 χ^2/NDF:262986.9/41

All: -0.143+/-0.023 χ^2/NDF: 477321.8/79



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.373+/-0.035 χ^2/NDF:7000.4/22

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.327+/-0.032 χ^2/NDF:7090.2/21

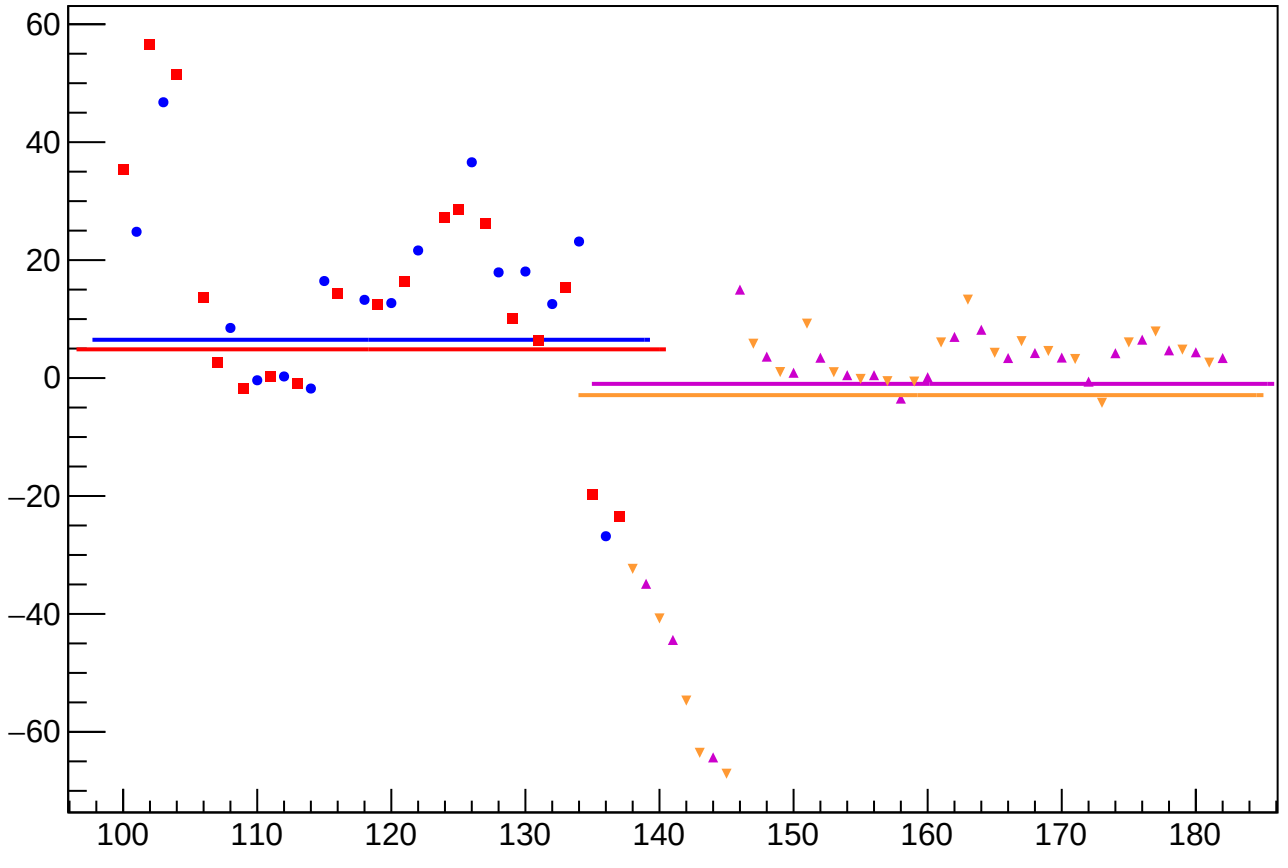
Left: 0.348+/-0.023 χ^2/NDF: 14091.6/44

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.499+/-0.028 χ^2/NDF:9816.2/37

Out: 0.548+/-0.030 χ^2/NDF:8707.1/41

All: 0.522+/-0.020 χ^2/NDF: 18524.7/79



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -2.897+/-0.043 χ^2/NDF:169040.3/22

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -0.984+/-0.040 χ^2/NDF:129005.6/21

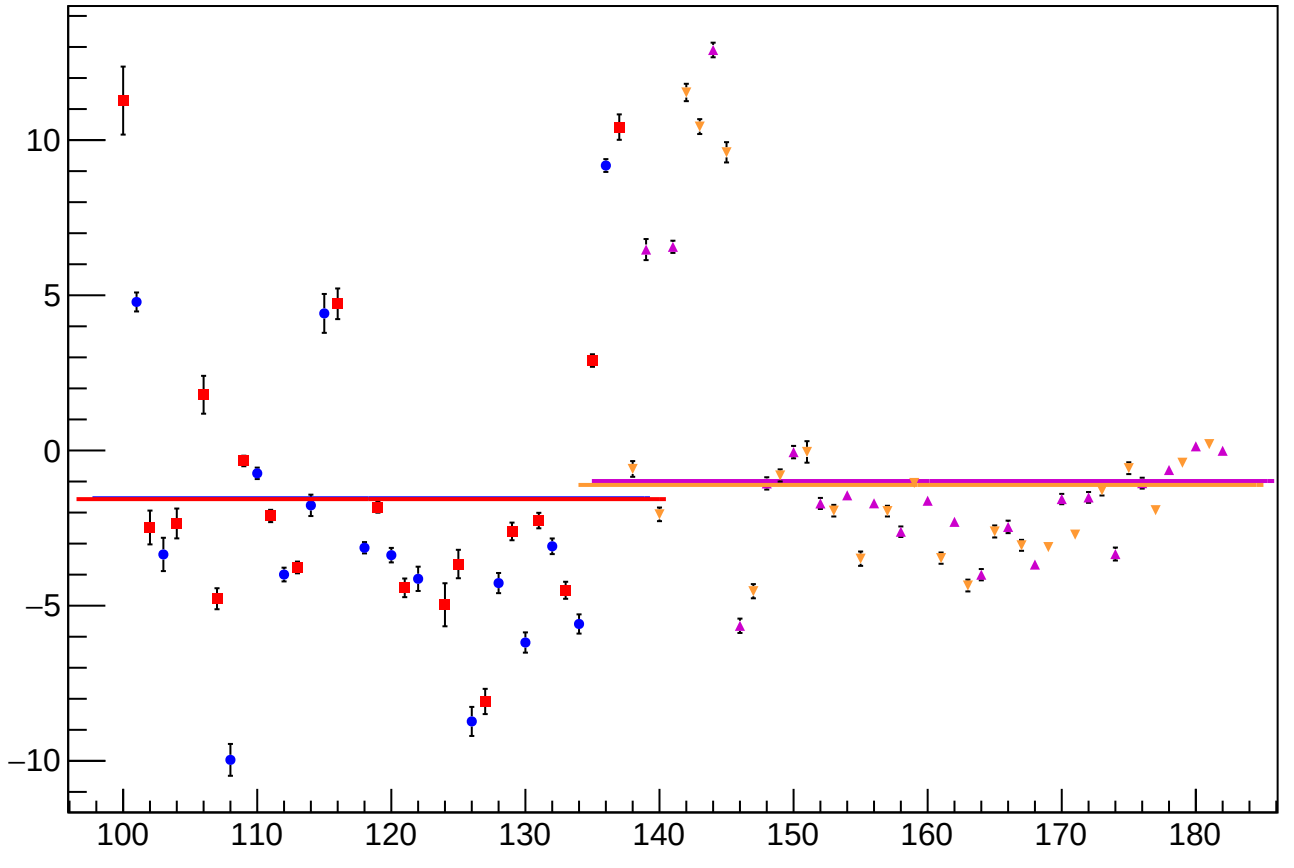
Left: -1.866+/-0.029 χ^2/NDF: 299099.4/44

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: 1.059+/-0.034 χ^2/NDF:209177.5/37

Out: -0.195+/-0.035 χ^2/NDF:255526.9/41

All: 0.447+/-0.024 χ^2/NDF: 465364.7/79



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.110+/-0.038 χ^2/NDF:6945.3/22

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -0.984+/-0.035 χ^2/NDF:6999.4/21

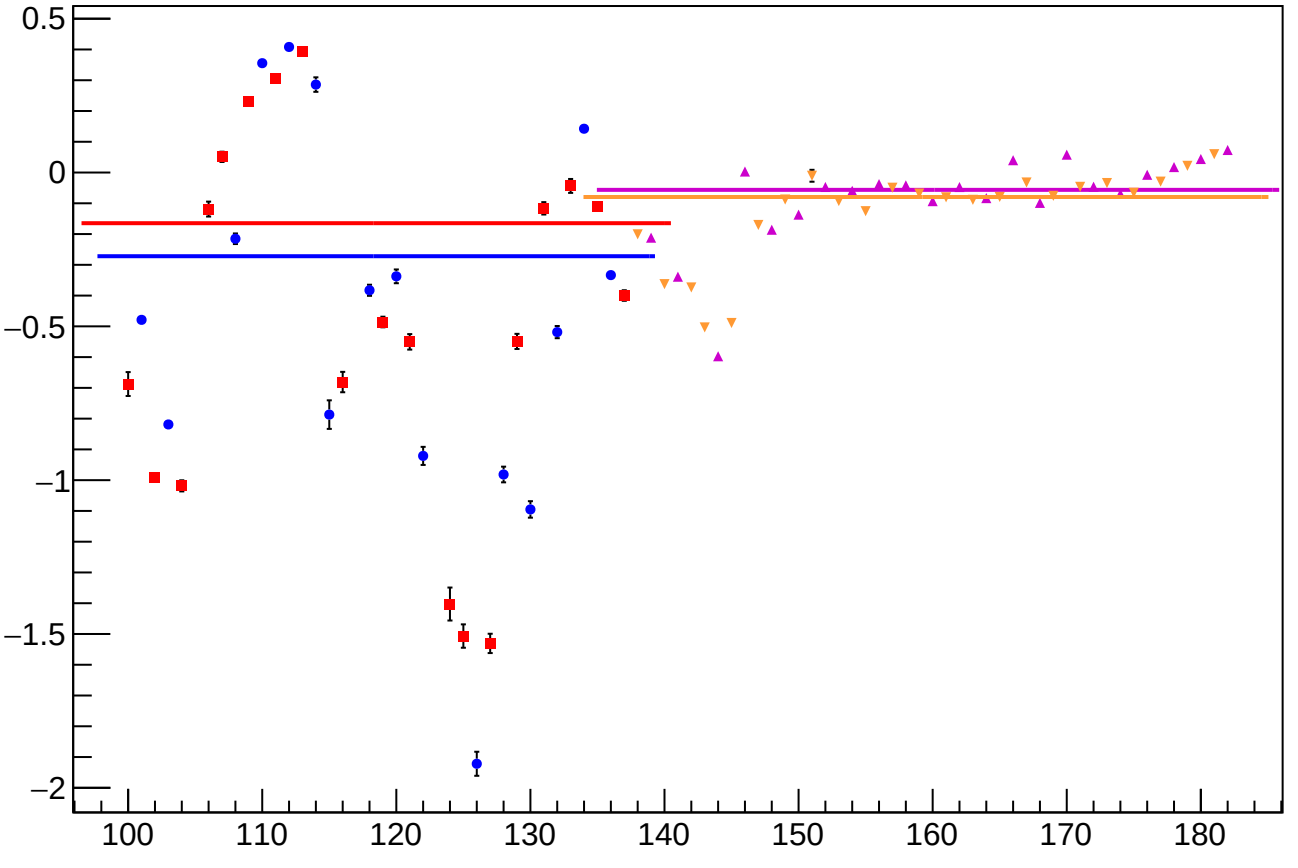
Left: -1.041+/-0.026 χ^2/NDF: 13950.5/44

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.098+/-0.031 χ^2/NDF:11586.1/37

Out: -1.230+/-0.033 χ^2/NDF:9479.3/41

All: -1.160+/-0.023 χ^2/NDF: 21073.8/79



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.080+/-0.002 χ^2/NDF:4811.1/22

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.056+/-0.002 χ^2/NDF:4838.0/21

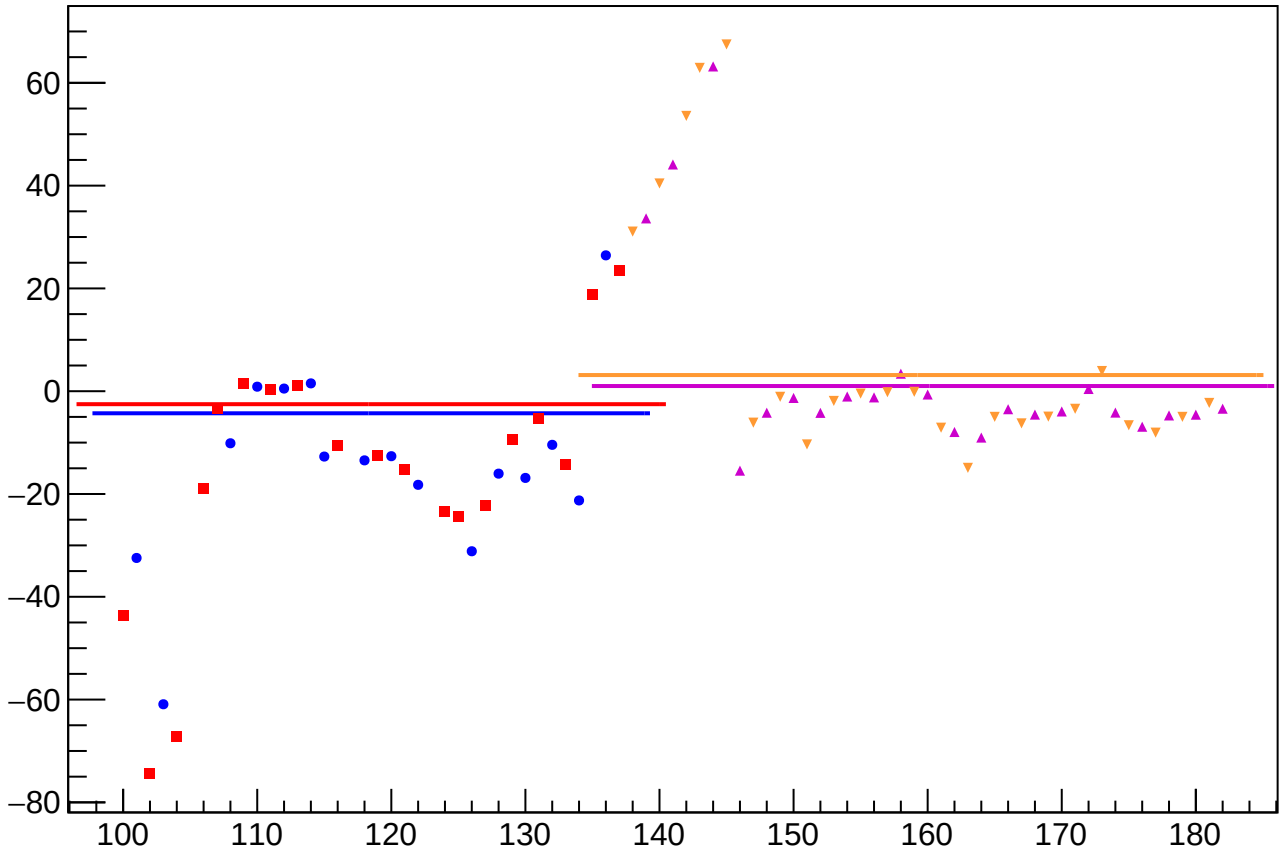
Left: -0.067+/-0.001 χ^2/NDF: 9754.3/44

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.082+/-0.001 χ^2/NDF:19279.0/37

Out: -0.094+/-0.002 χ^2/NDF:20720.4/41

All: -0.087+/-0.001 χ^2/NDF: 40032.0/79



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 3.144+/-0.044 χ^2/NDF:172167.0/22

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 1.008+/-0.041 χ^2/NDF:130164.3/21

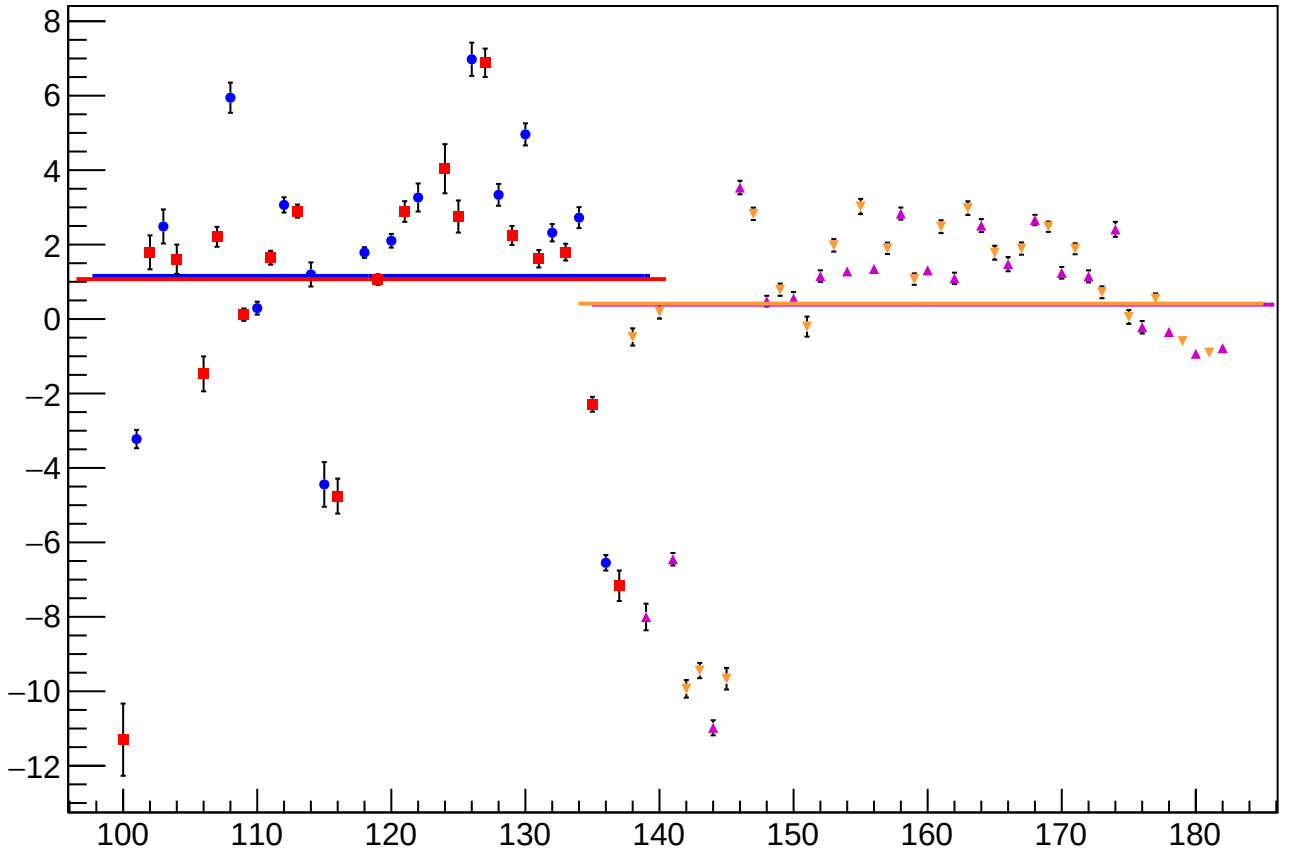
Left: 2.006+/-0.030 χ^2/NDF: 303570.8/44

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: -0.882+/-0.033 χ^2/NDF:210211.4/37

Out: 0.493+/-0.032 χ^2/NDF:259717.1/41

All: -0.174+/-0.023 χ^2/NDF: 470806.9/79



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.415+/-0.035 χ^2/NDF:6984.4/22

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.387+/-0.032 χ^2/NDF:6928.5/21

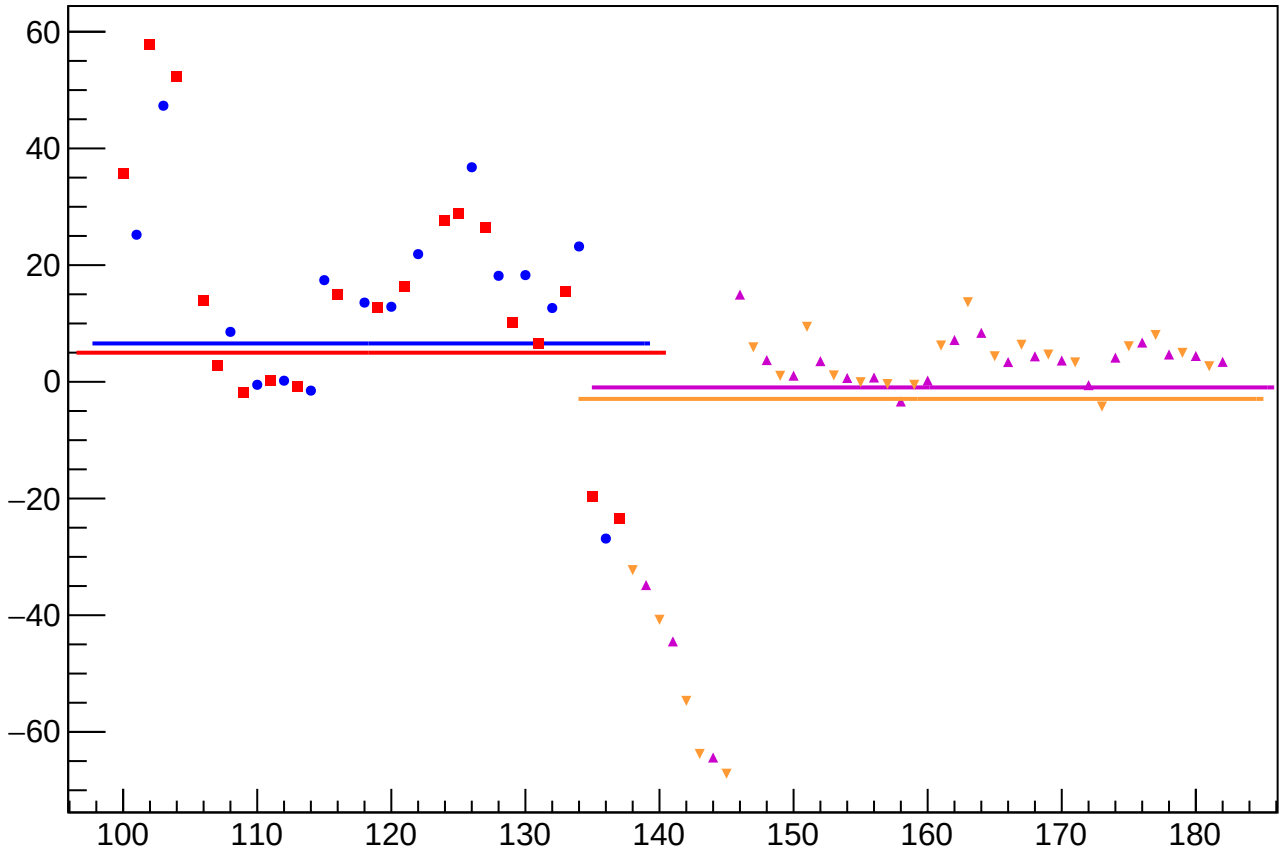
Left: 0.400+/-0.024 χ^2/NDF: 13913.3/44

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.555+/-0.029 χ^2/NDF:9601.2/37

Out: 0.590+/-0.030 χ^2/NDF:8628.9/41

All: 0.572+/-0.021 χ^2/NDF: 18230.8/79



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -2.926+/-0.044 χ^2/NDF:166635.6/22

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -0.958+/-0.041 χ^2/NDF:126875.0/21

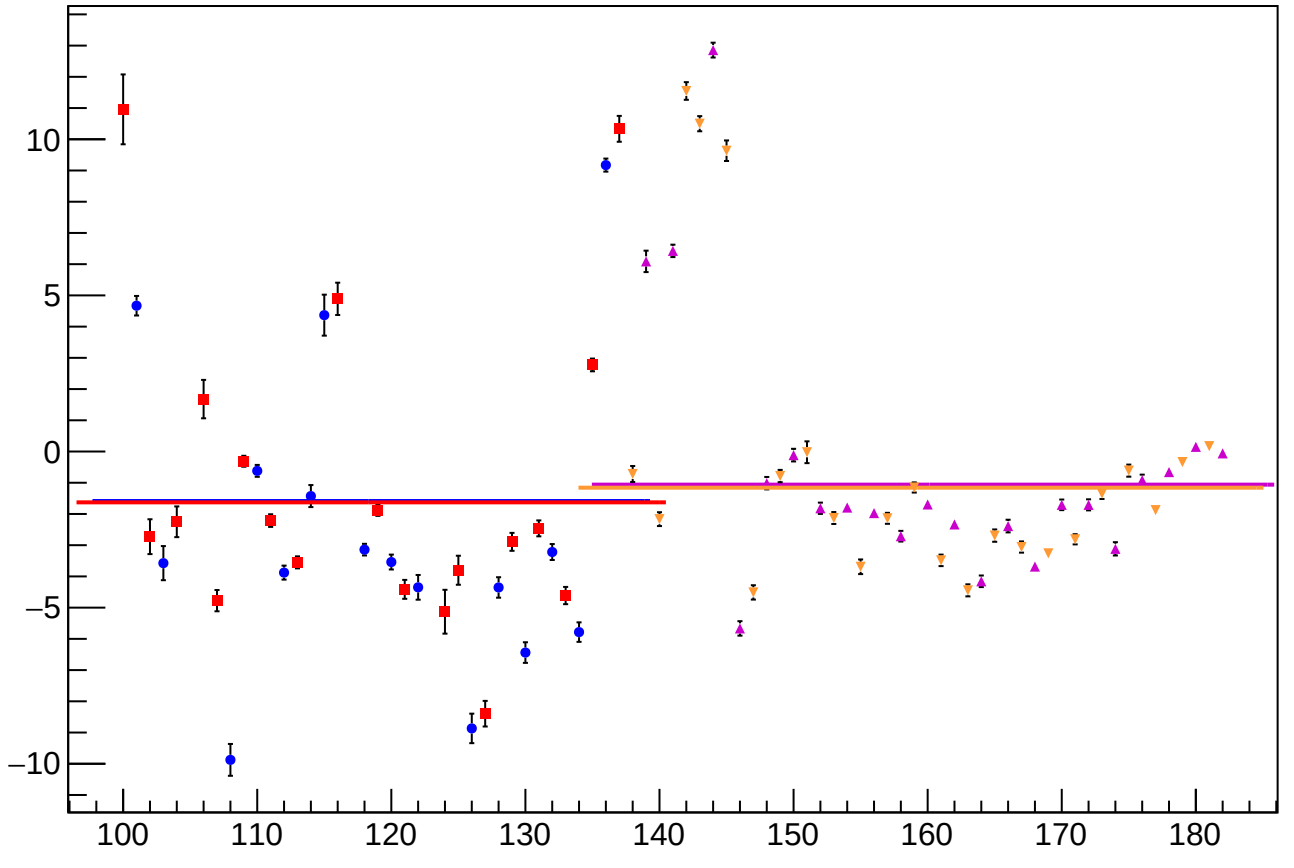
Left: -1.867+/-0.030 χ^2/NDF: 294584.9/44

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: 1.108+/-0.035 χ^2/NDF:205956.0/37

Out: -0.179+/-0.036 χ^2/NDF:252312.6/41

All: 0.479+/-0.025 χ^2/NDF: 458938.7/79



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.158+/-0.039 χ^2/NDF:6922.6/22

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -1.061+/-0.036 χ^2/NDF:6815.8/21

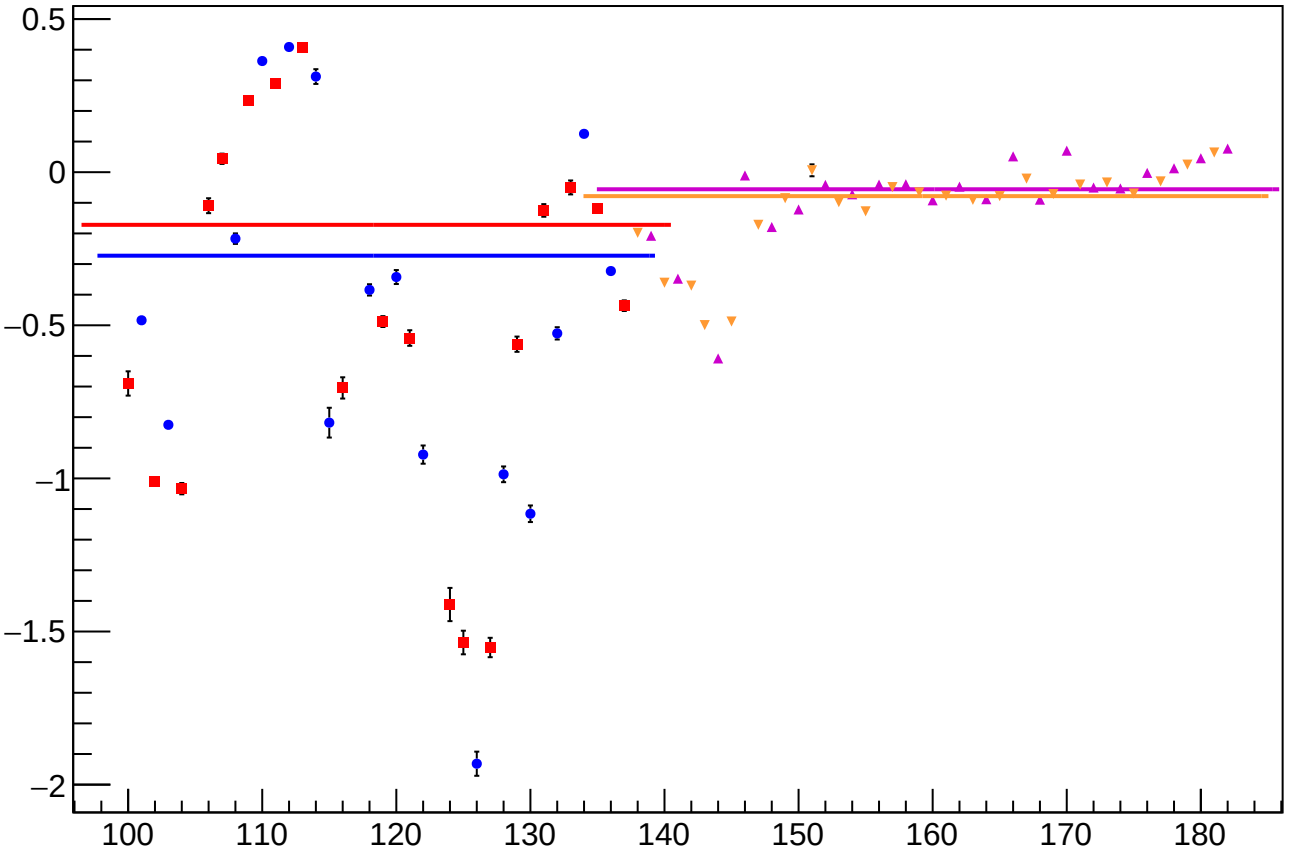
Left: -1.105+/-0.027 χ^2/NDF: 13741.7/44

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.169+/-0.032 χ^2/NDF:11332.1/37

Out: -1.281+/-0.034 χ^2/NDF:9382.5/41

All: -1.222+/-0.023 χ^2/NDF: 20720.4/79



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.078+/-0.002 χ^2/NDF:4738.5/22

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.056+/-0.002 χ^2/NDF:4880.8/21

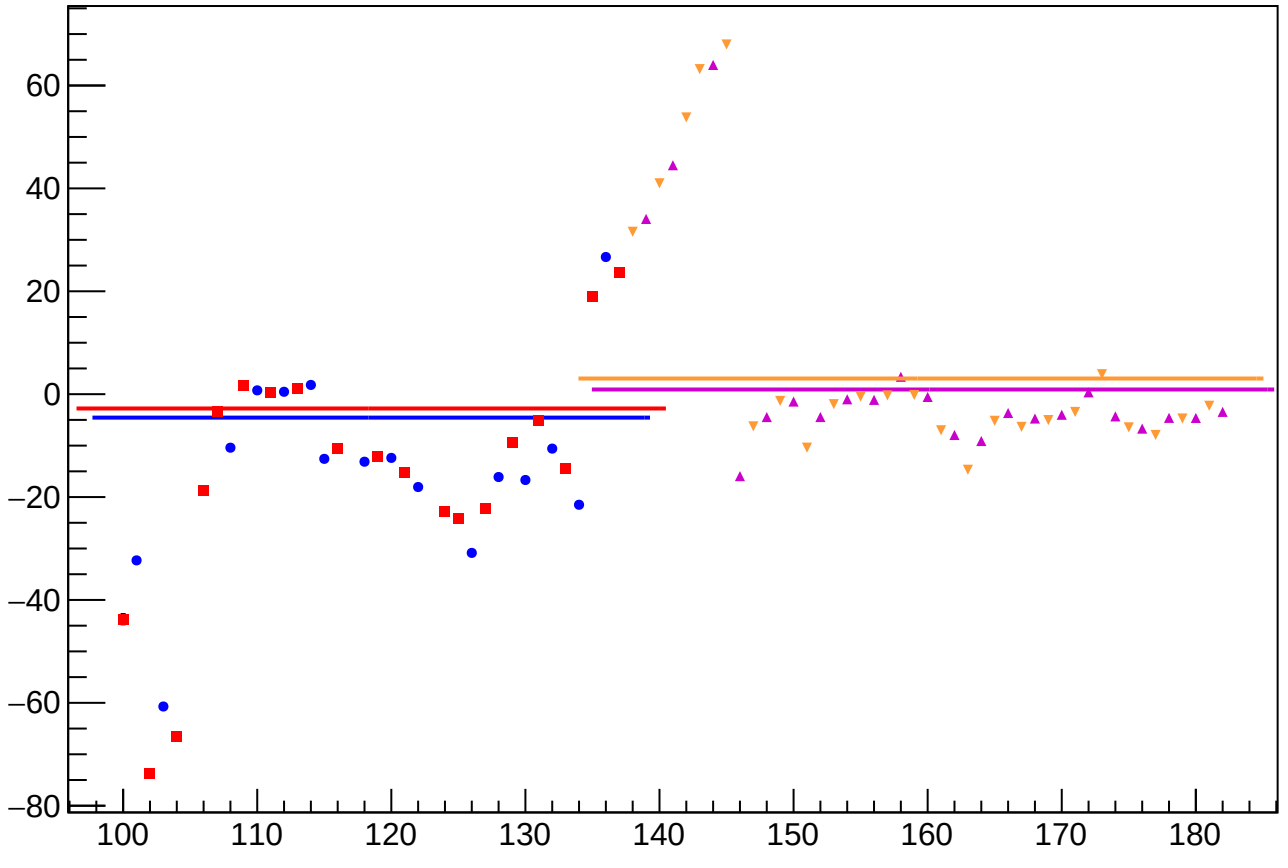
Left: -0.066+/-0.001 χ^2/NDF: 9713.3/44

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.081+/-0.001 χ^2/NDF:19064.0/37

Out: -0.094+/-0.002 χ^2/NDF:20551.6/41

All: -0.087+/-0.001 χ^2/NDF: 39648.1/79



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 3.042+/-0.045 χ^2/NDF:169328.5/22

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 0.908+/-0.042 χ^2/NDF:128601.5/21

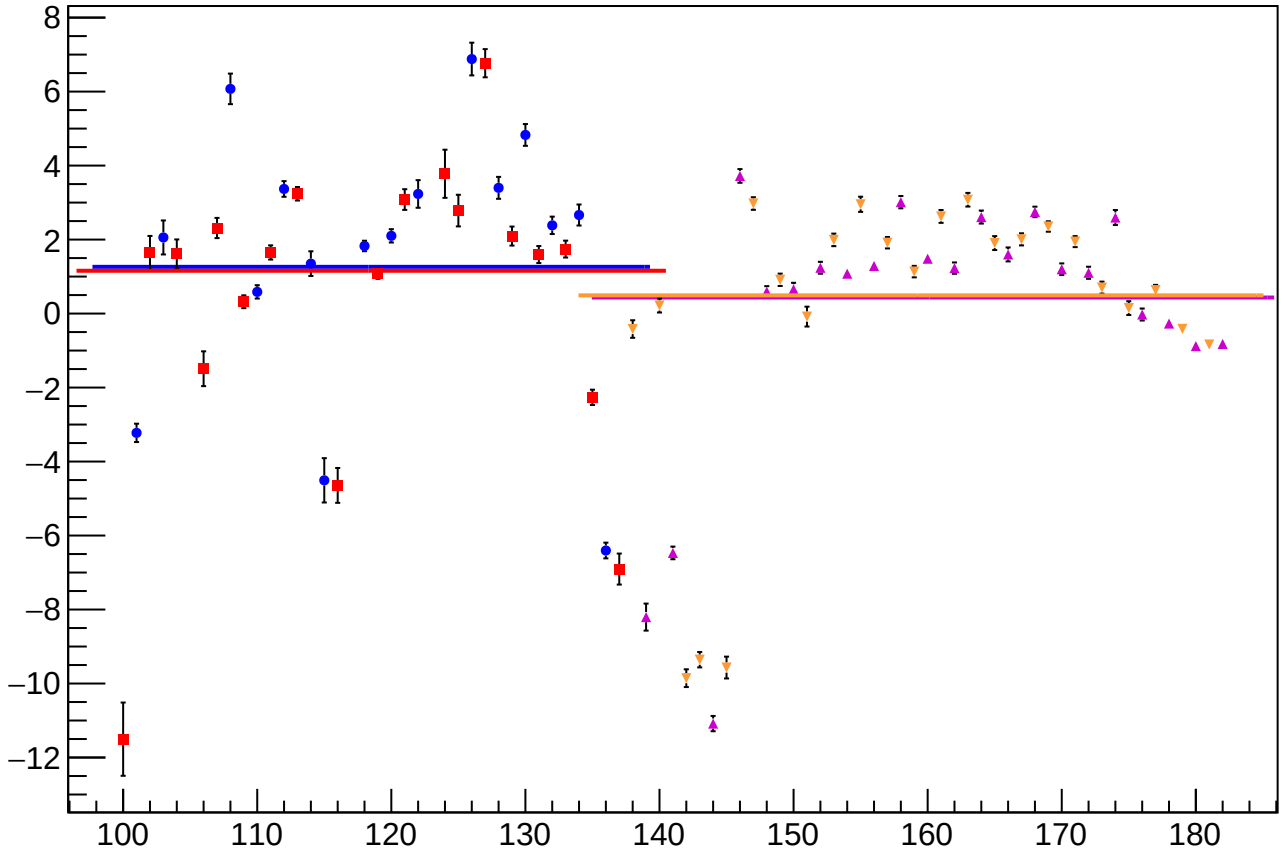
Left: 1.907+/-0.031 χ^2/NDF: 299146.2/44

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: -1.015+/-0.034 χ^2/NDF:207237.0/37

Out: 0.372+/-0.033 χ^2/NDF:255033.9/41

All: -0.304+/-0.024 χ^2/NDF: 463140.1/79



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.492+/-0.035 χ^2/NDF:6753.7/22

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.434+/-0.033 χ^2/NDF:6892.3/21

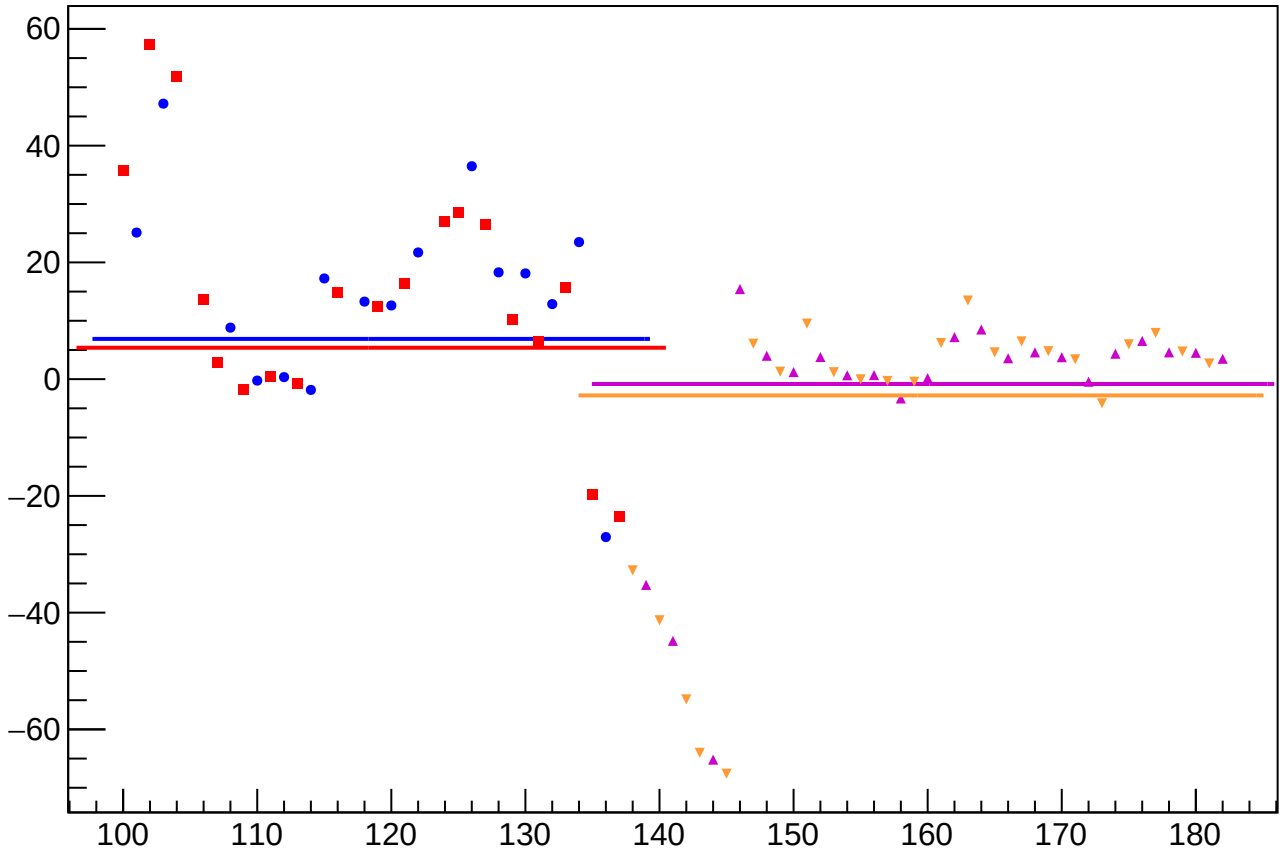
Left: 0.461+/-0.024 χ^2/NDF: 13647.4/44

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.615+/-0.029 χ^2/NDF:9475.8/37

Out: 0.669+/-0.030 χ^2/NDF:8337.2/41

All: 0.640+/-0.021 χ^2/NDF: 17814.7/79



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -2.789+/-0.044 χ^2/NDF:163773.7/22

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -0.830+/-0.041 χ^2/NDF:125296.1/21

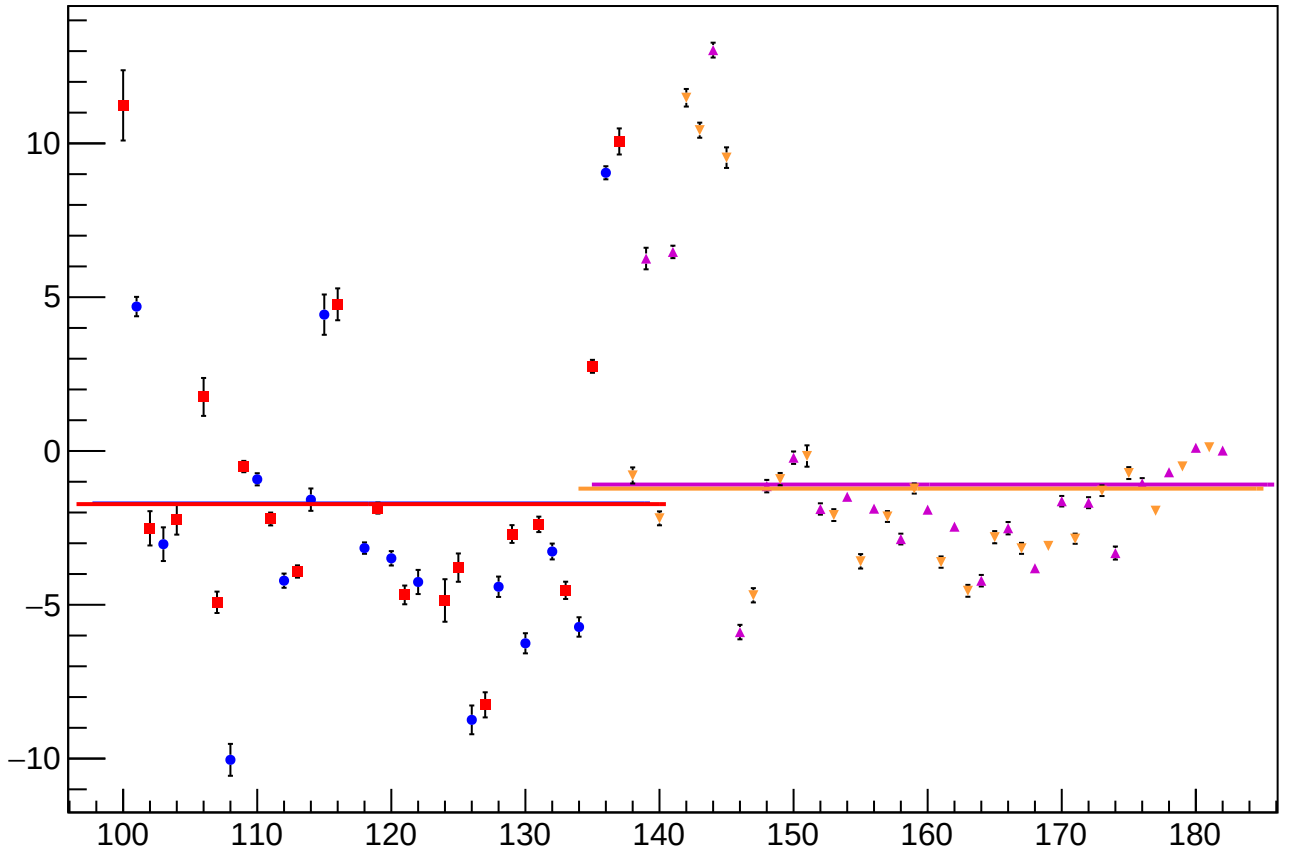
Left: -1.737+/-0.030 χ^2/NDF: 290116.9/44

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 1.273+/-0.035 χ^2/NDF:202912.7/37

Out: -0.002+/-0.036 χ^2/NDF:247563.1/41

All: 0.651+/-0.025 χ^2/NDF: 451118.2/79



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.224+/-0.039 χ^2/NDF:6709.3/22

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -1.092+/-0.036 χ^2/NDF:6821.4/21

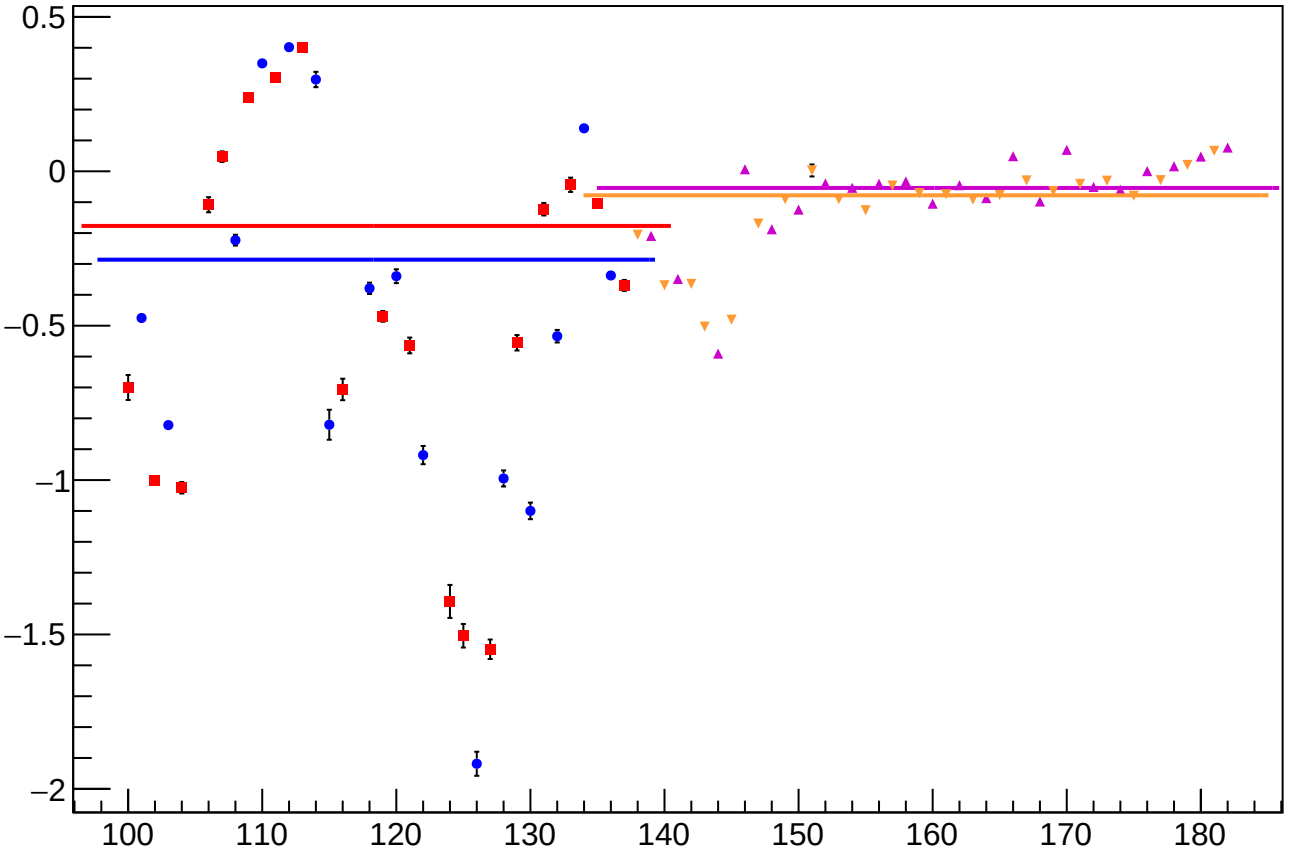
Left: -1.153+/-0.027 χ^2/NDF: 13536.8/44

Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.219+/-0.032 χ^2/NDF:11170.0/37

Out: -1.354+/-0.034 χ^2/NDF:9060.9/41

All: -1.283+/-0.023 χ^2/NDF: 20239.2/79



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.078+/-0.002 χ^2/NDF:4633.6/22

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.054+/-0.002 χ^2/NDF:4718.4/21

Left: -0.065+/-0.001 χ^2/NDF: 9456.7/44

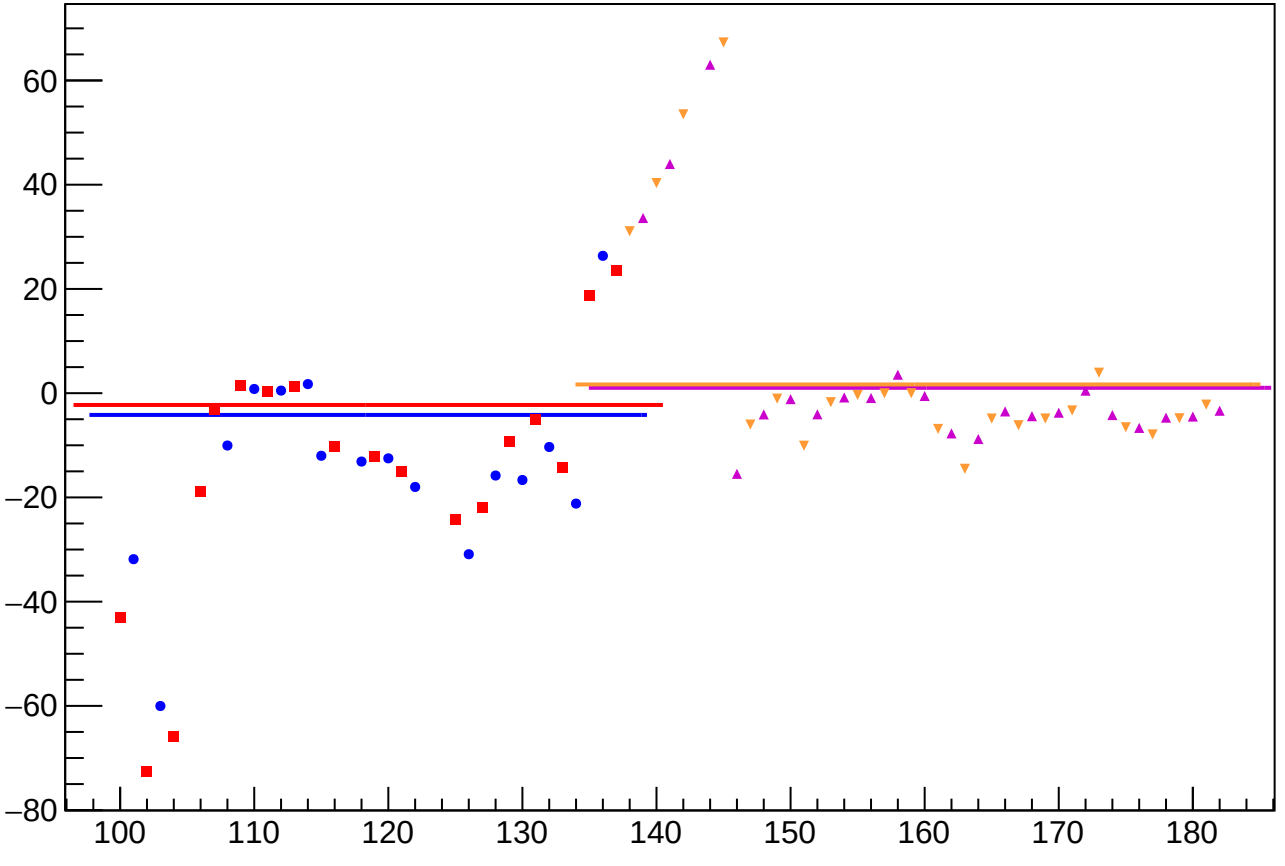
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.081+/-0.001 χ^2/NDF:18678.9/37

Out: -0.094+/-0.002 χ^2/NDF:19930.1/41

All: -0.087+/-0.001 χ^2/NDF: 38642.5/79

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: 1.677+/-0.044 χ^2/NDF:129569.2/21

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 1.031+/-0.041 χ^2/NDF:132558.1/21

Left: 1.328+/-0.030 χ^2/NDF: 262244.4/43

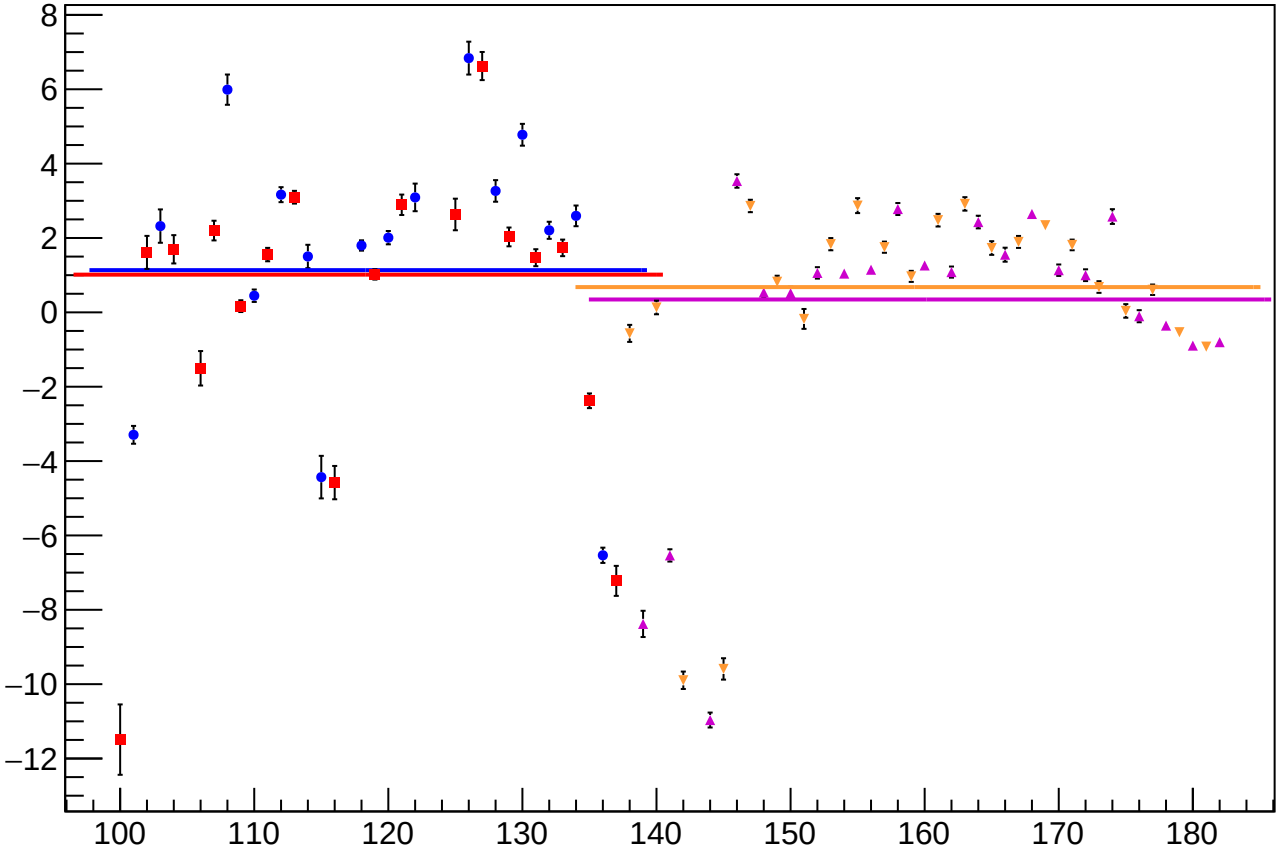
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: -0.824+/-0.033 χ^2/NDF:213831.6/37

Out: -0.196+/-0.032 χ^2/NDF:213030.4/39

All: -0.502+/-0.023 χ^2/NDF: 427052.8/77

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: 0.679+/-0.035 χ^2/NDF:4633.2/21

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.346+/-0.032 χ^2/NDF:7113.2/21

Left: 0.496+/-0.023 χ^2/NDF: 11796.2/43

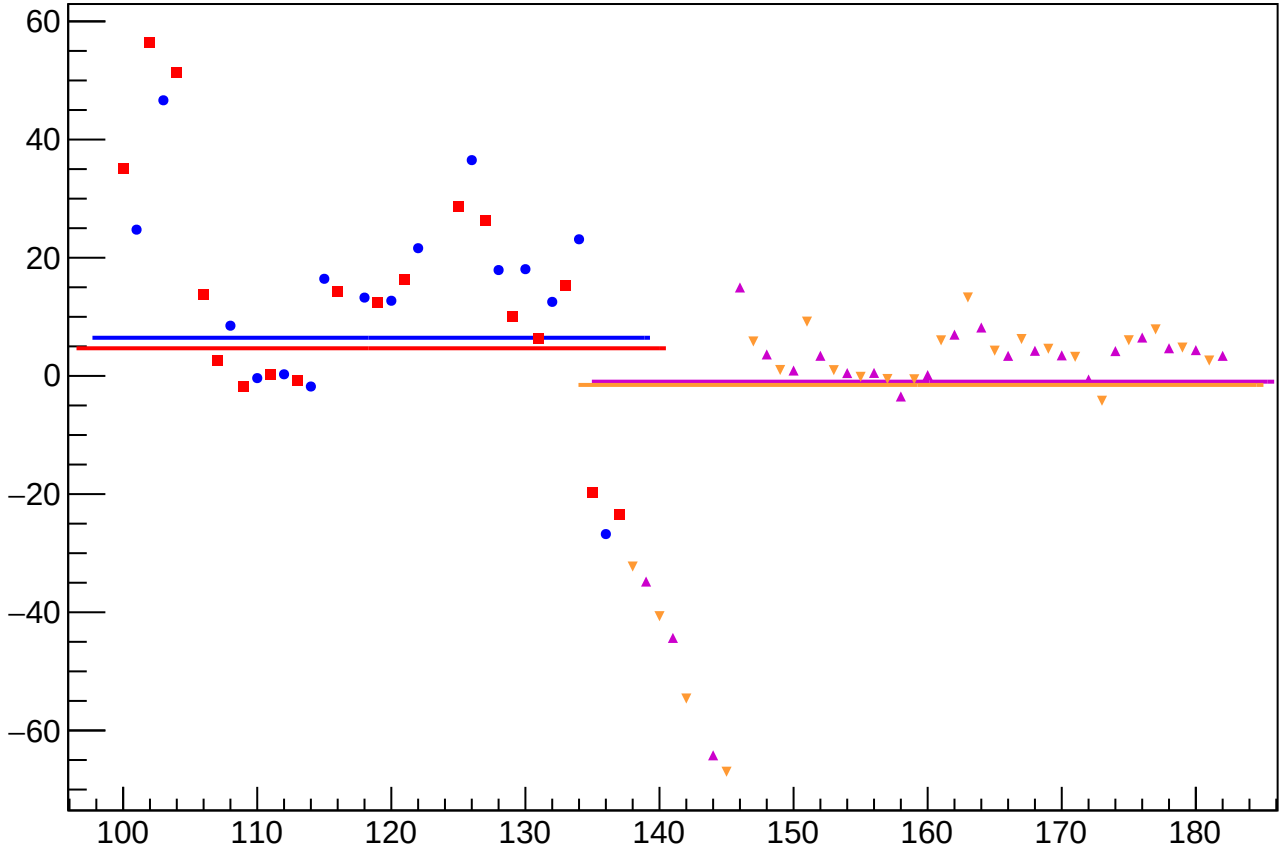
Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.517+/-0.028 χ^2/NDF:9843.5/37

Out: 0.771+/-0.030 χ^2/NDF:6251.1/39

All: 0.636+/-0.020 χ^2/NDF: 16132.9/77

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -1.522+/-0.044 χ^2/NDF:124935.5/21

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -0.973+/-0.040 χ^2/NDF:129226.5/21

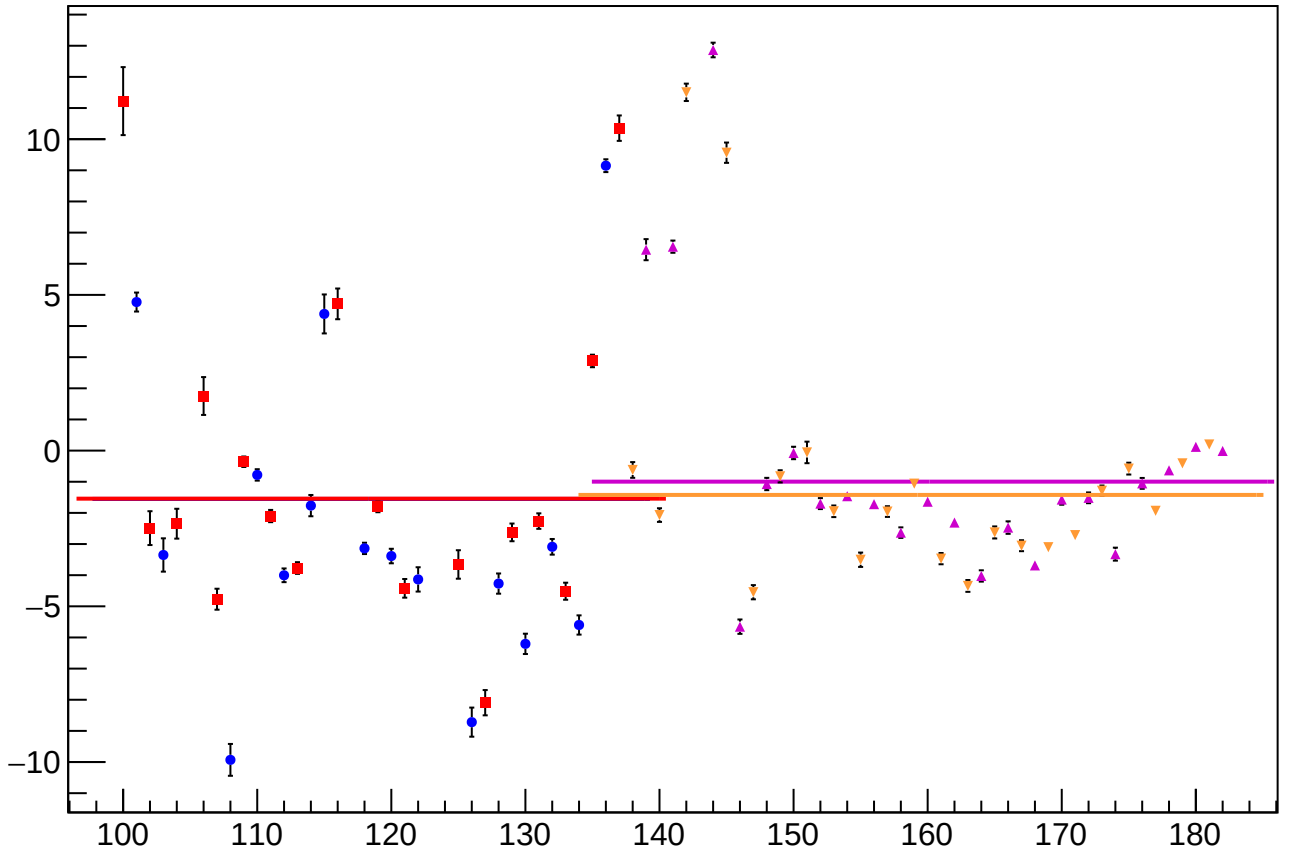
Left: -1.223+/-0.029 χ^2/NDF: 254248.3/43

Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: 1.059+/-0.034 χ^2/NDF:209525.8/37

Out: 0.661+/-0.035 χ^2/NDF:206479.8/39

All: 0.866+/-0.024 χ^2/NDF: 416072.0/77



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.423+/-0.039 χ^2/NDF:4569.3/21

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.997+/-0.035 χ^2/NDF:7019.8/21

Left: -1.189+/-0.026 χ^2/NDF: 11655.2/43

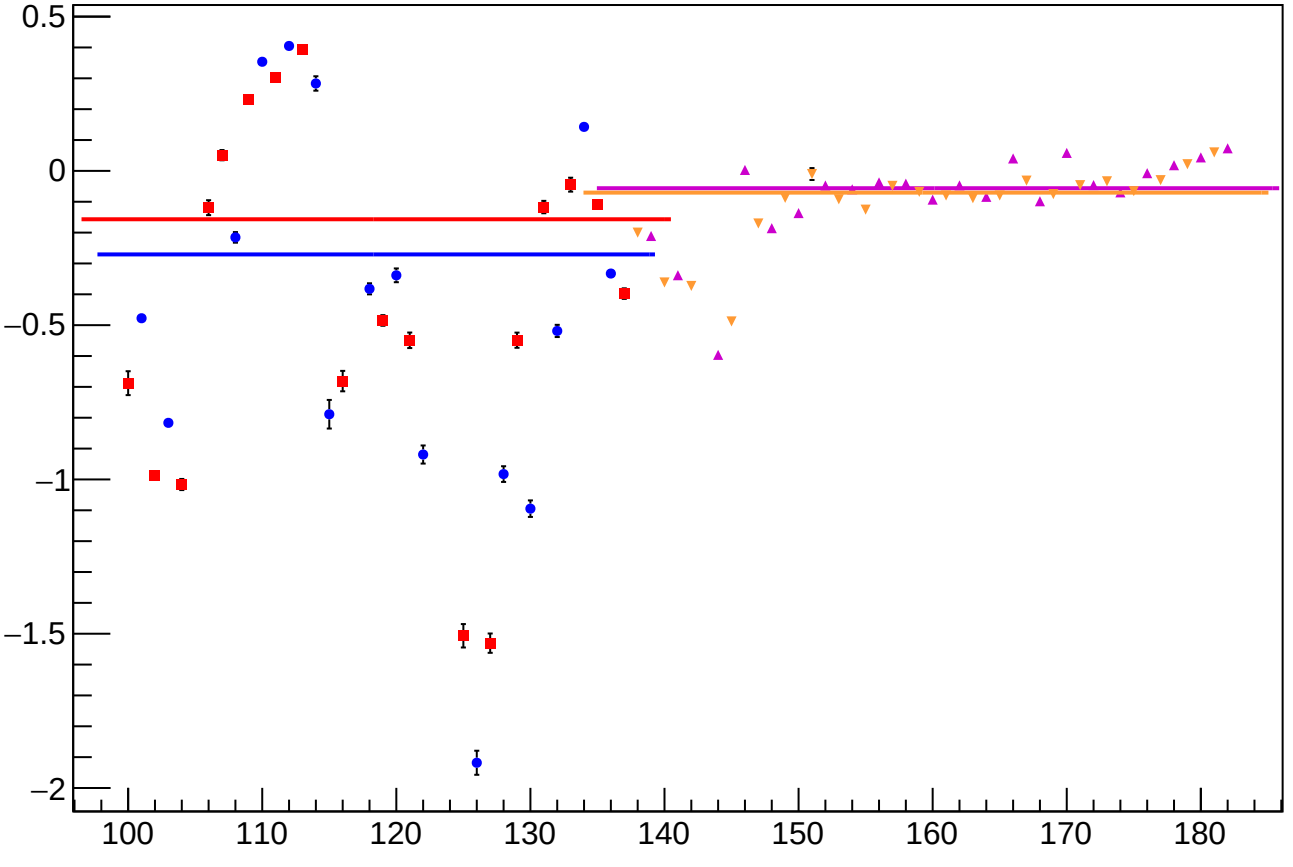
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.110+/-0.031 χ^2/NDF:11614.3/37

Out: -1.455+/-0.033 χ^2/NDF:7044.8/39

All: -1.272+/-0.023 χ^2/NDF: 18715.9/77

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: -0.070+/-0.002 χ^2/NDF:3516.8/21

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.056+/-0.002 χ^2/NDF:4851.9/21

Left: -0.062+/-0.001 χ^2/NDF: 8408.2/43

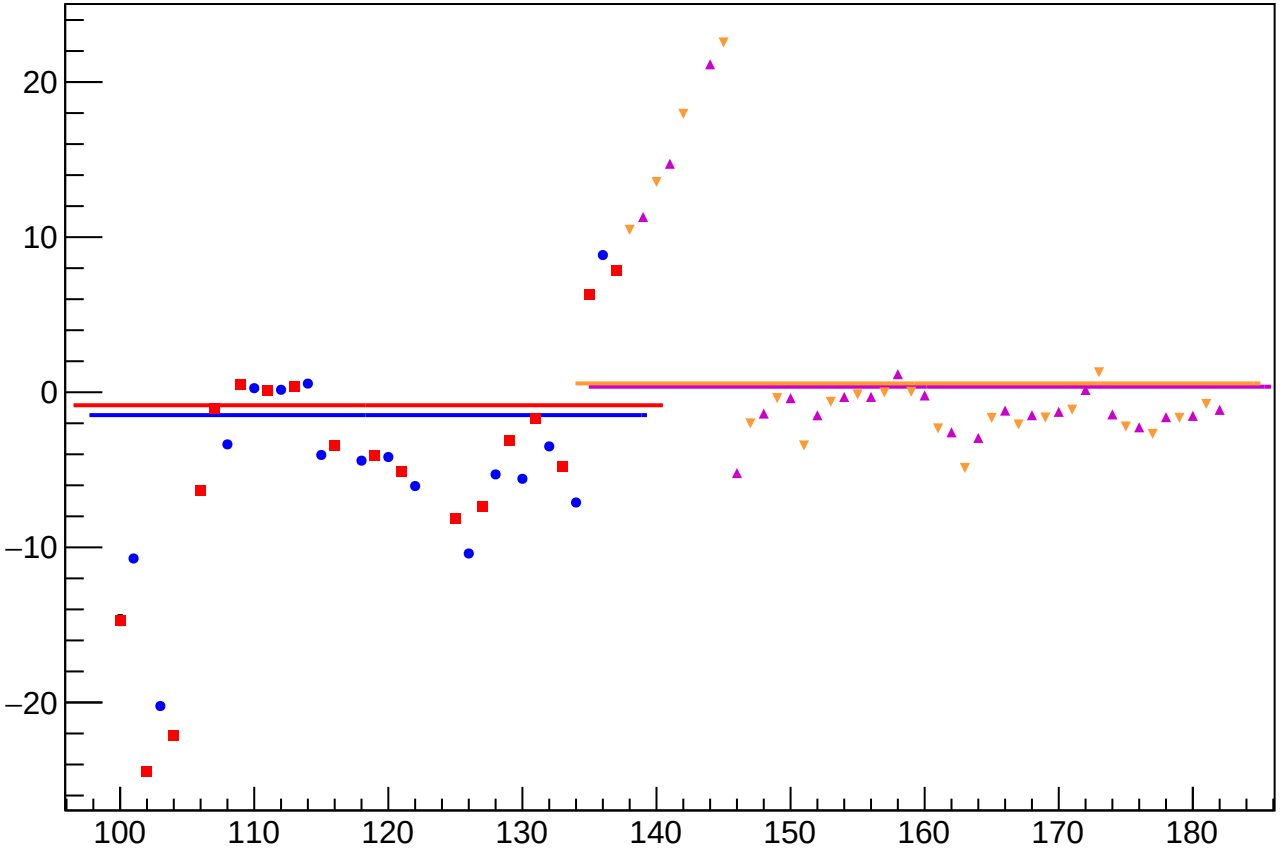
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.081+/-0.001 χ^2/NDF:19317.0/37

Out: -0.085+/-0.002 χ^2/NDF:18967.6/39

All: -0.083+/-0.001 χ^2/NDF: 38287.5/77

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 0.570+/-0.015 χ^2/NDF:127391.8/21

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 0.358+/-0.014 χ^2/NDF:129976.3/21

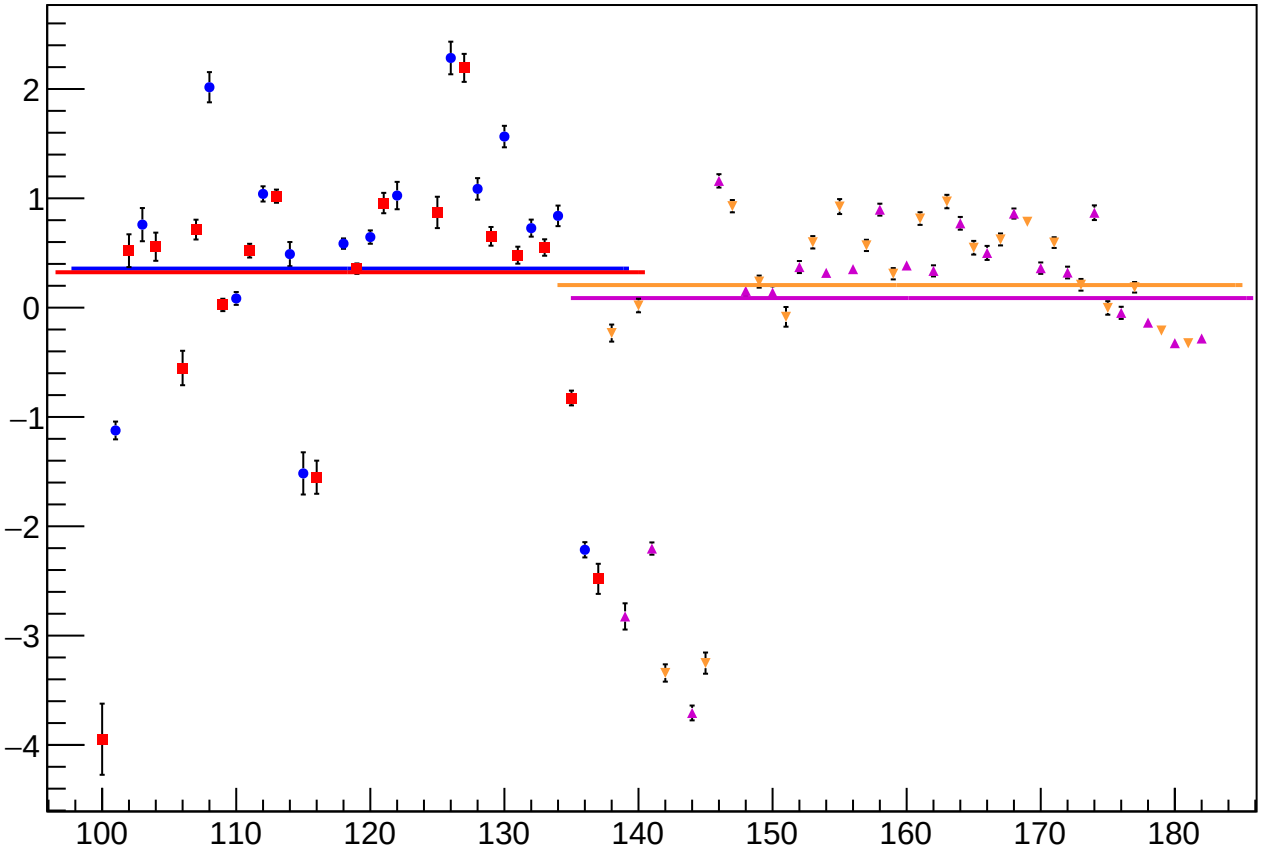
Left: 0.456+/-0.010 χ^2/NDF: 257476.4/43

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: -0.291+/-0.011 χ^2/NDF:209867.3/37

Out: -0.087+/-0.011 χ^2/NDF:209525.5/39

All: -0.187+/-0.008 χ^2/NDF: 419564.4/77



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.206+/-0.012 χ^2/NDF:4570.8/21

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.088+/-0.011 χ^2/NDF:6931.6/21

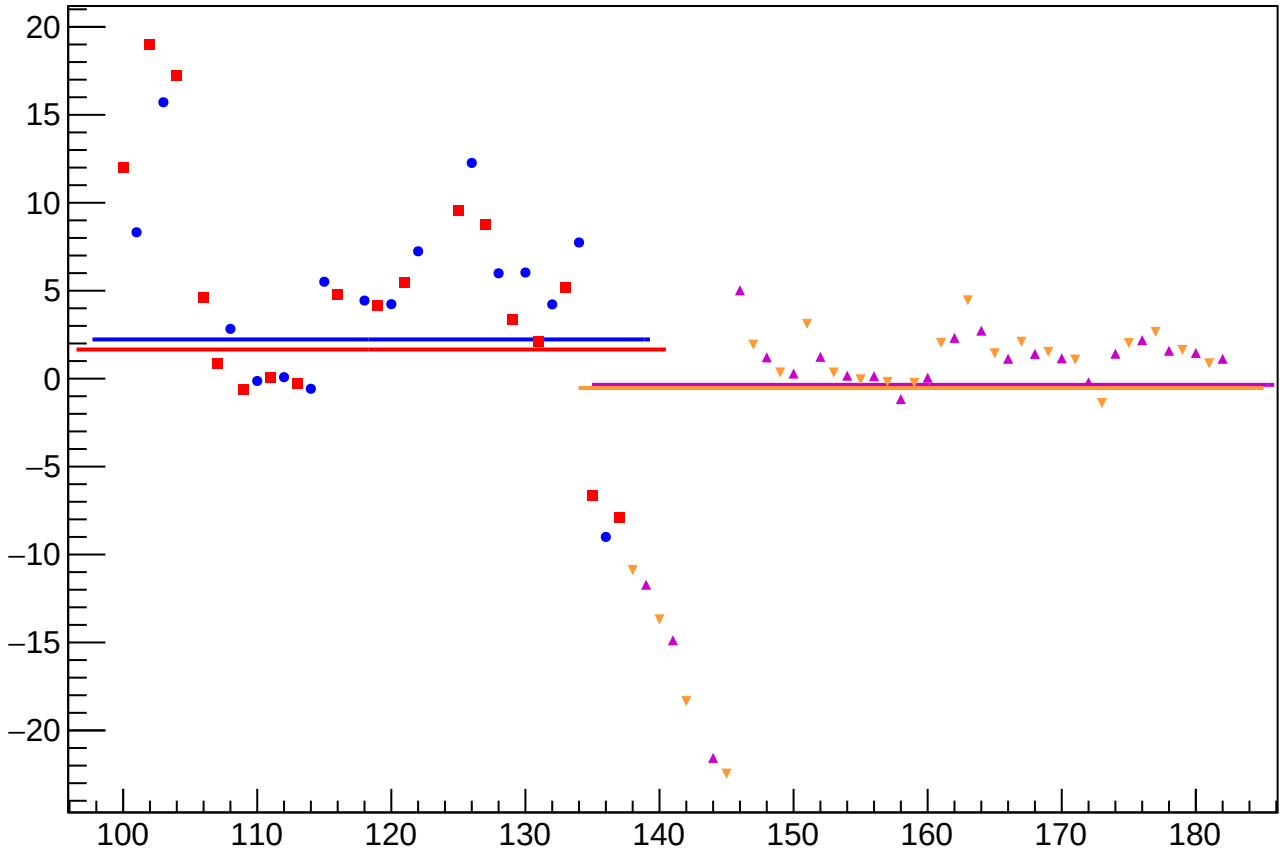
Left: 0.141+/-0.008 χ^2/NDF: 11556.5/43

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.146+/-0.010 χ^2/NDF:9608.9/37

Out: 0.238+/-0.010 χ^2/NDF:6155.6/39

All: 0.189+/-0.007 χ^2/NDF: 15807.2/77



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -0.533+/-0.015 χ^2/NDF:122820.3/21

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -0.352+/-0.014 χ^2/NDF:126744.8/21

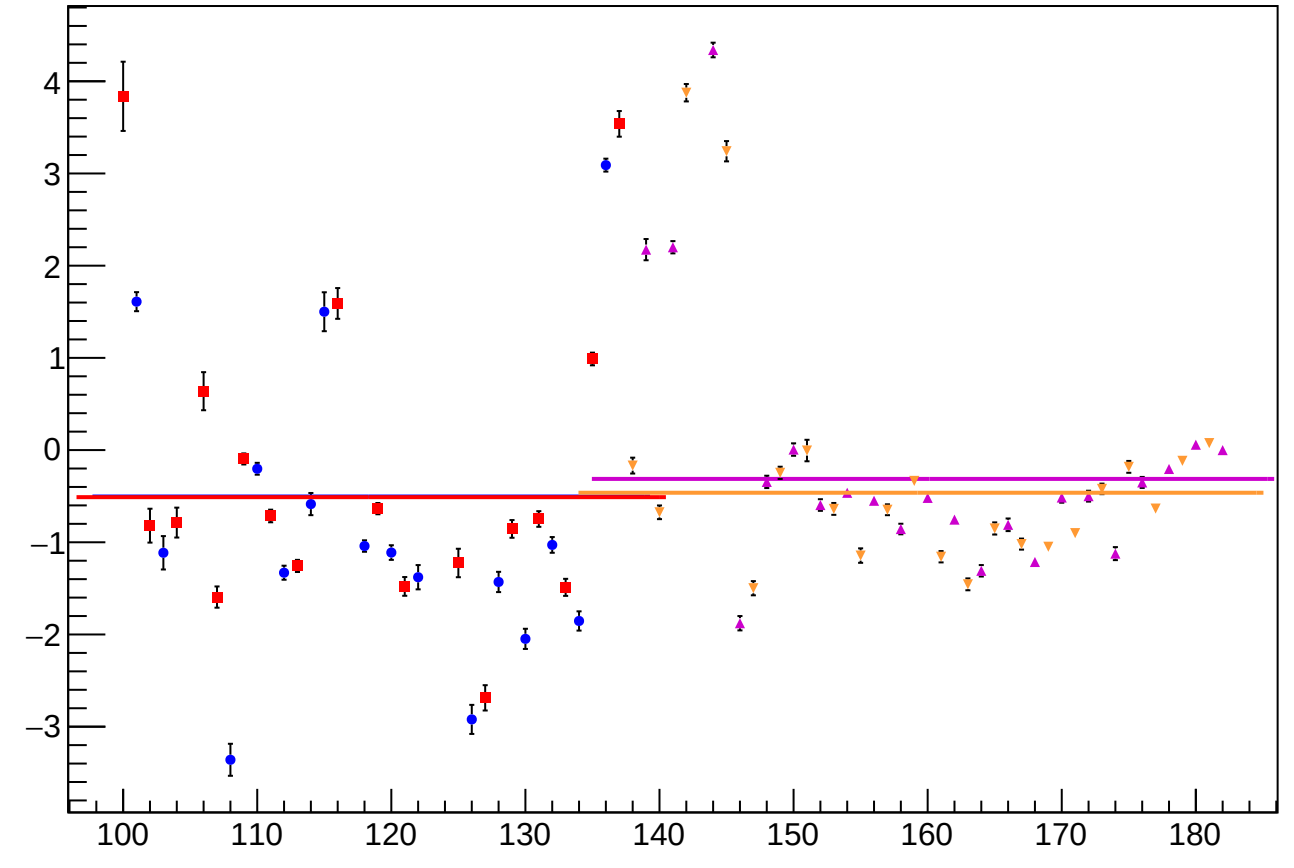
Left: -0.435+/-0.010 χ^2/NDF: 249645.2/43

Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: 0.355+/-0.012 χ^2/NDF:205700.9/37

Out: 0.226+/-0.012 χ^2/NDF:203112.7/39

All: 0.292+/-0.008 χ^2/NDF: 408872.7/77



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.463+/-0.013 χ^2/NDF:4511.5/21

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.313+/-0.012 χ^2/NDF:6852.9/21

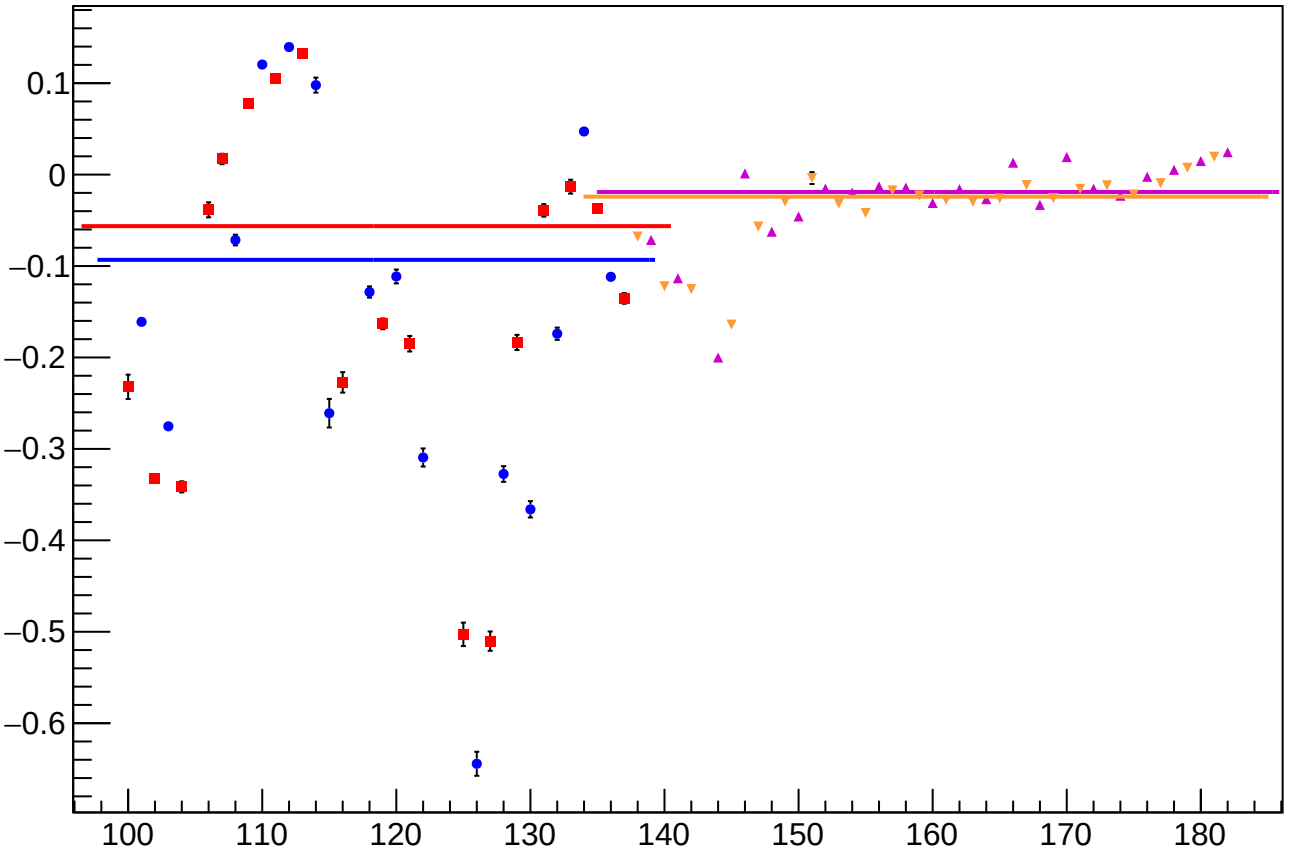
Left: -0.381+/-0.009 χ^2/NDF: 11434.3/43

Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.352+/-0.011 χ^2/NDF:11351.6/37

Out: -0.475+/-0.011 χ^2/NDF:6938.9/39

All: -0.410+/-0.008 χ^2/NDF: 18352.4/77



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.024+/-0.001 χ^2/NDF:3437.5/21

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.019+/-0.001 χ^2/NDF:4732.4/21

Left: -0.021+/-0.000 χ^2/NDF: 8212.9/43

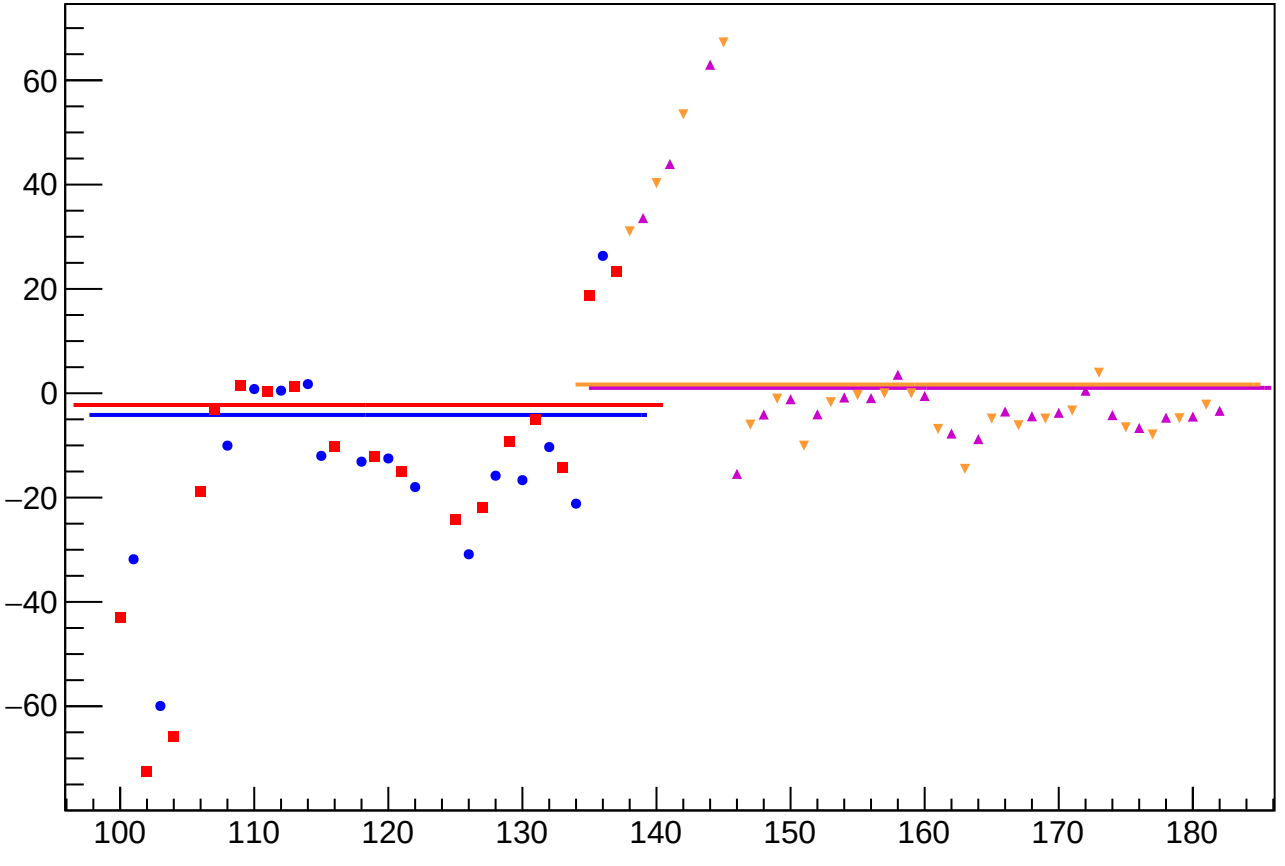
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.028+/-0.000 χ^2/NDF:18902.9/37

Out: -0.029+/-0.001 χ^2/NDF:18403.8/39

All: -0.029+/-0.000 χ^2/NDF: 37311.9/77

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: 1.680+/-0.044 χ^2/NDF:129548.2/21

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 1.033+/-0.040 χ^2/NDF:132566.6/21

Left: 1.331+/-0.030 χ^2/NDF: 262232.4/43

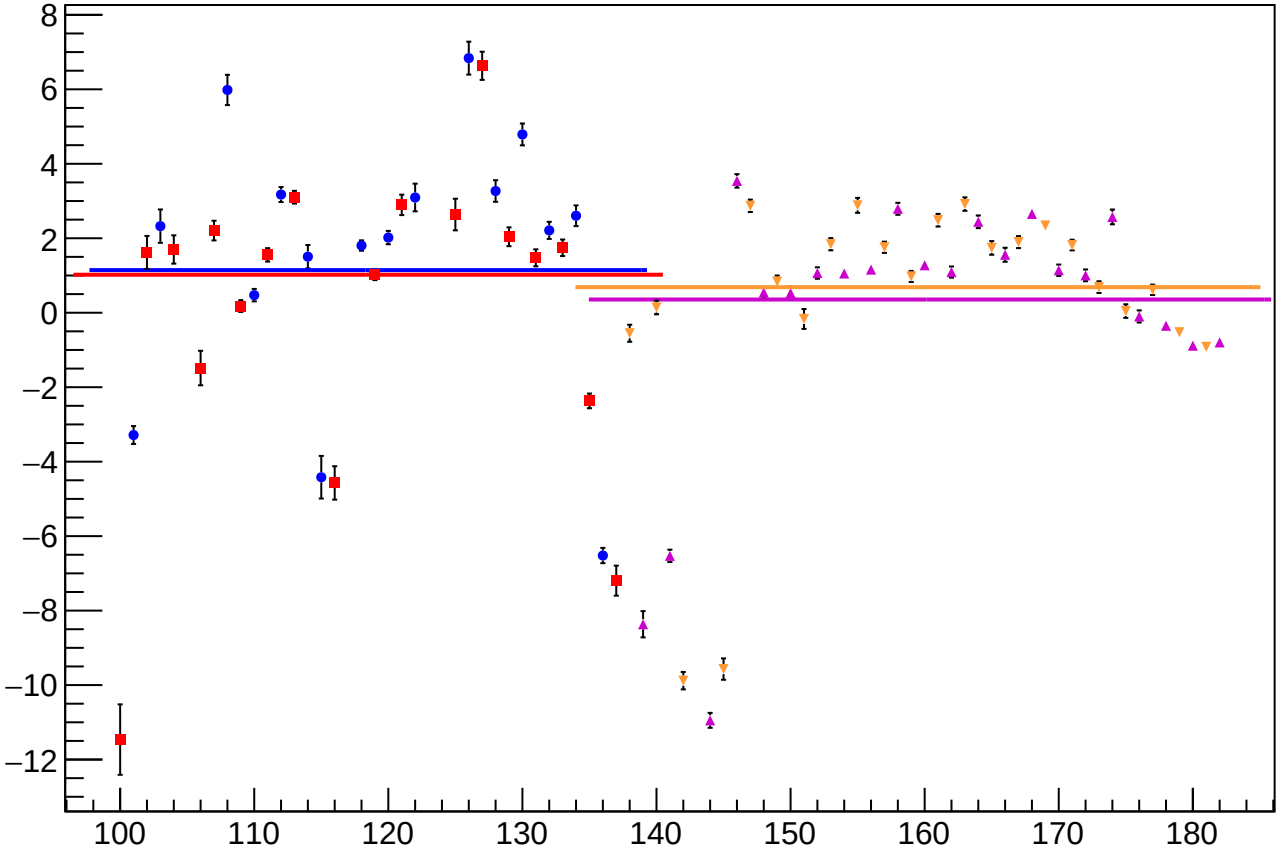
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: -0.818+/-0.032 χ^2/NDF:213853.9/37

Out: -0.191+/-0.032 χ^2/NDF:213019.7/39

All: -0.497+/-0.023 χ^2/NDF: 427064.4/77

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: 0.687+/-0.035 χ^2/NDF:4630.9/21

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.355+/-0.032 χ^2/NDF:7118.7/21

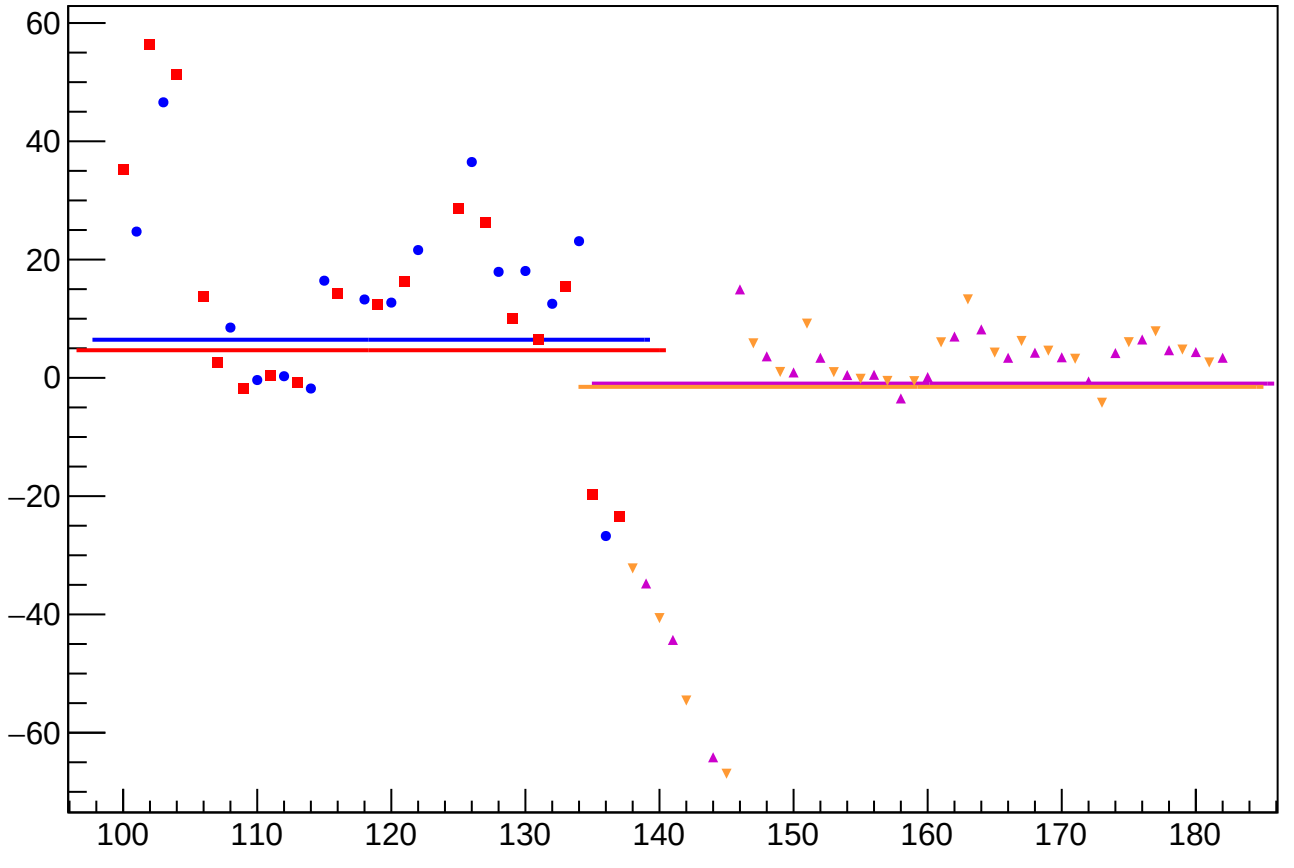
Left: 0.504+/-0.023 χ^2/NDF: 11799.0/43

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.526+/-0.028 χ^2/NDF:9848.9/37

Out: 0.778+/-0.030 χ^2/NDF:6247.0/39

All: 0.644+/-0.020 χ^2/NDF: 16133.6/77



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -1.520+/-0.044 χ^2/NDF:124915.8/21

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -0.970+/-0.040 χ^2/NDF:129232.0/21

Left: -1.221+/-0.029 χ^2/NDF: 254234.6/43

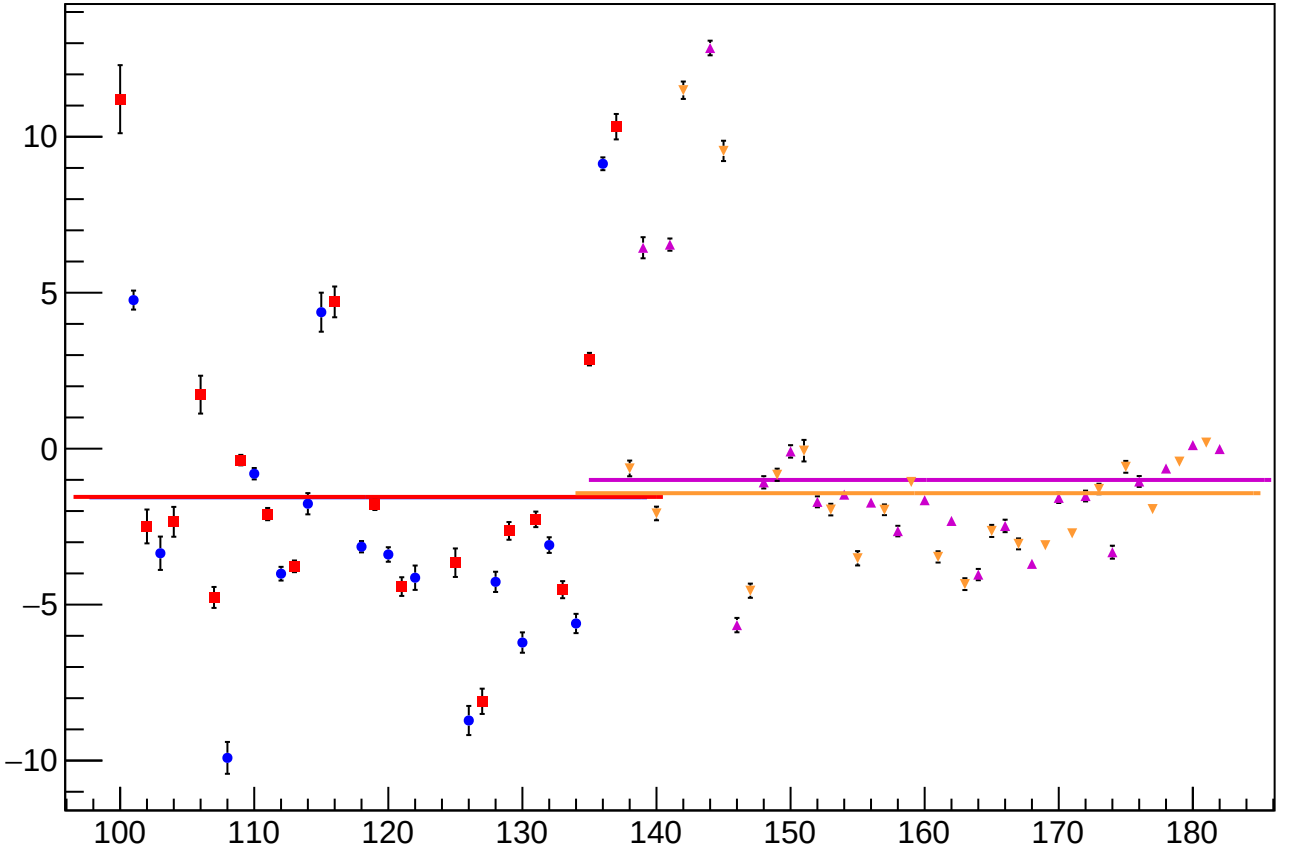
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: 1.059+/-0.034 χ^2/NDF:209540.3/37

Out: 0.662+/-0.035 χ^2/NDF:206463.2/39

All: 0.867+/-0.024 χ^2/NDF: 416070.0/77

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.427+/-0.039 χ^2/NDF:4566.7/21

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.003+/-0.035 χ^2/NDF:7024.3/21

Left: -1.194+/-0.026 χ^2/NDF: 11656.7/43

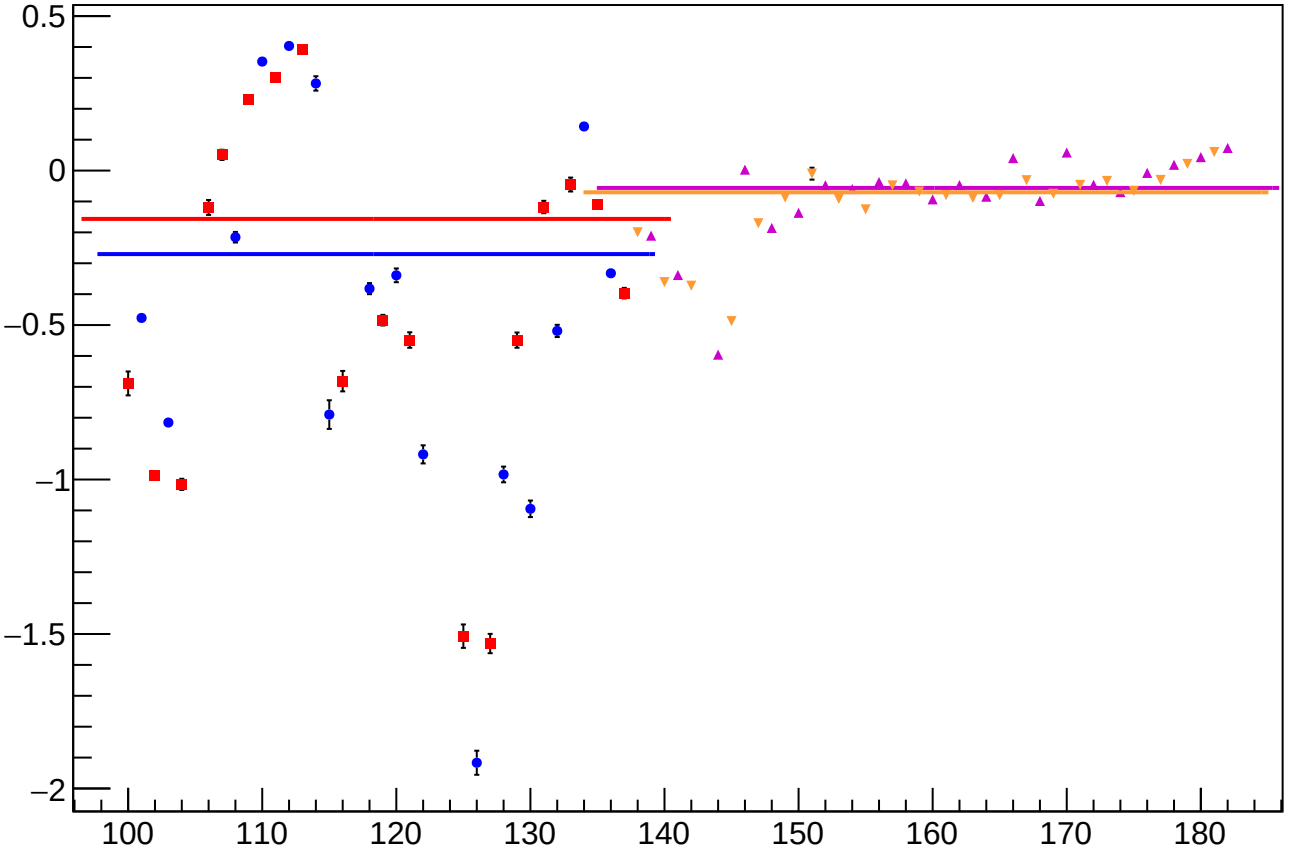
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.117+/-0.031 χ^2/NDF:11618.6/37

Out: -1.459+/-0.033 χ^2/NDF:7039.3/39

All: -1.278+/-0.023 χ^2/NDF: 18714.0/77

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: -0.070+/-0.002 χ^2/NDF:3517.1/21

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.056+/-0.002 χ^2/NDF:4854.7/21

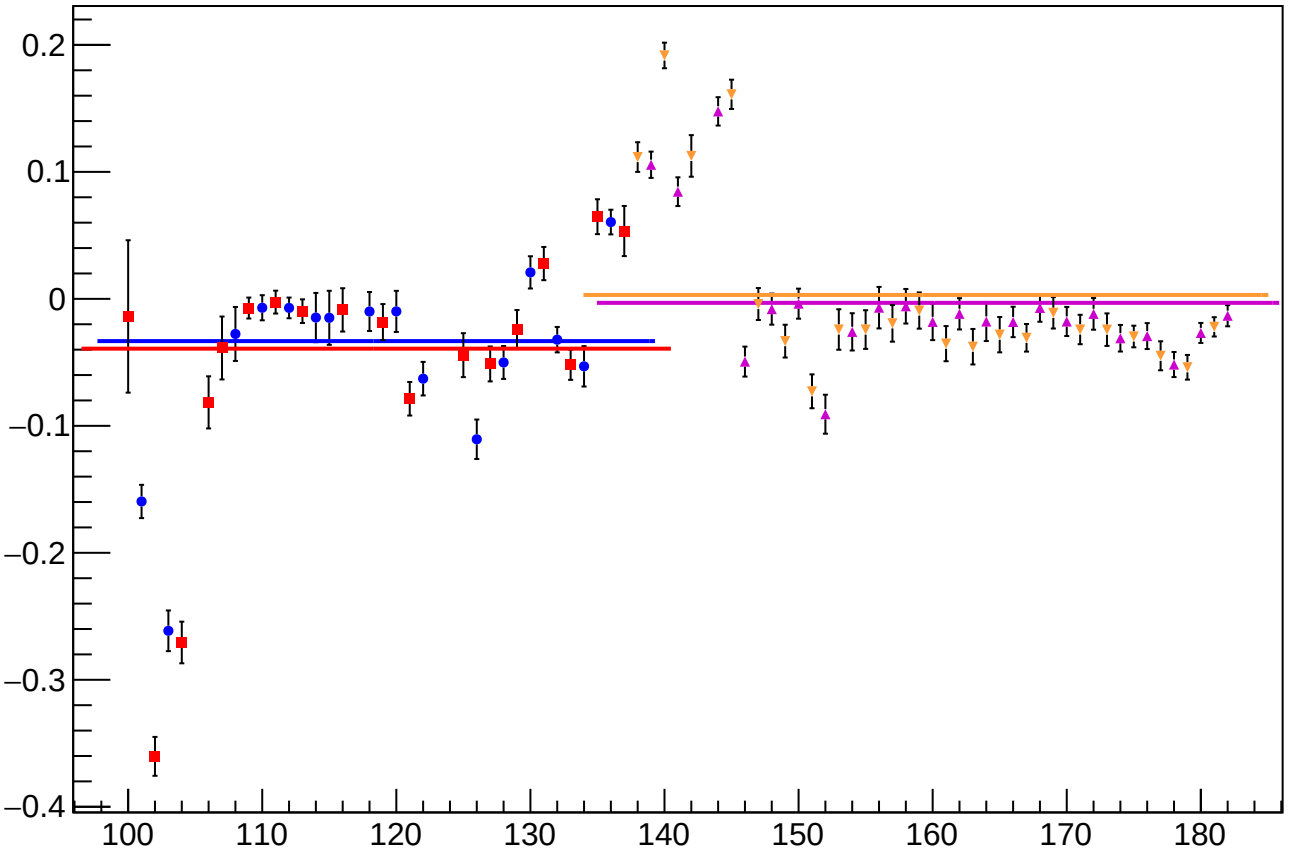
Left: -0.062+/-0.001 χ^2/NDF: 8410.6/43

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.081+/-0.001 χ^2/NDF:19318.4/37

Out: -0.085+/-0.002 χ^2/NDF:18977.8/39

All: -0.083+/-0.001 χ^2/NDF: 38298.9/77



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.003+/-0.003 χ^2/NDF:839.8/21

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: -0.003+/-0.002 χ^2/NDF:457.5/21

Left: -0.000+/-0.002 χ^2/NDF: 1300.4/43

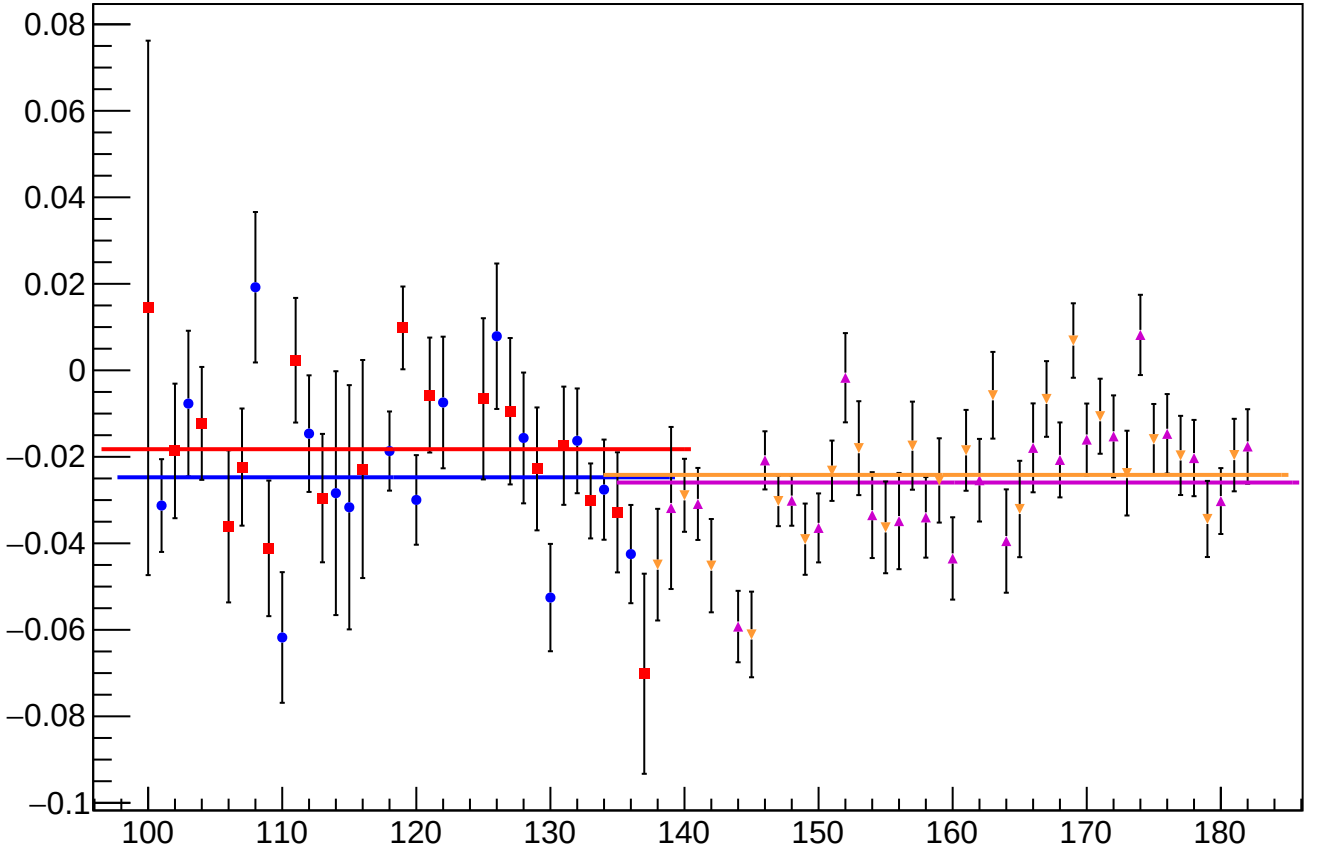
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.014+/-0.002 χ^2/NDF:976.8/37

Out: -0.013+/-0.002 χ^2/NDF:1755.9/39

All: -0.014+/-0.001 χ^2/NDF: 2732.9/77

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/21

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.026+/-0.002 χ^2/NDF:52.1/21

Left: -0.025+/-0.001 χ^2/NDF: 106.2/43

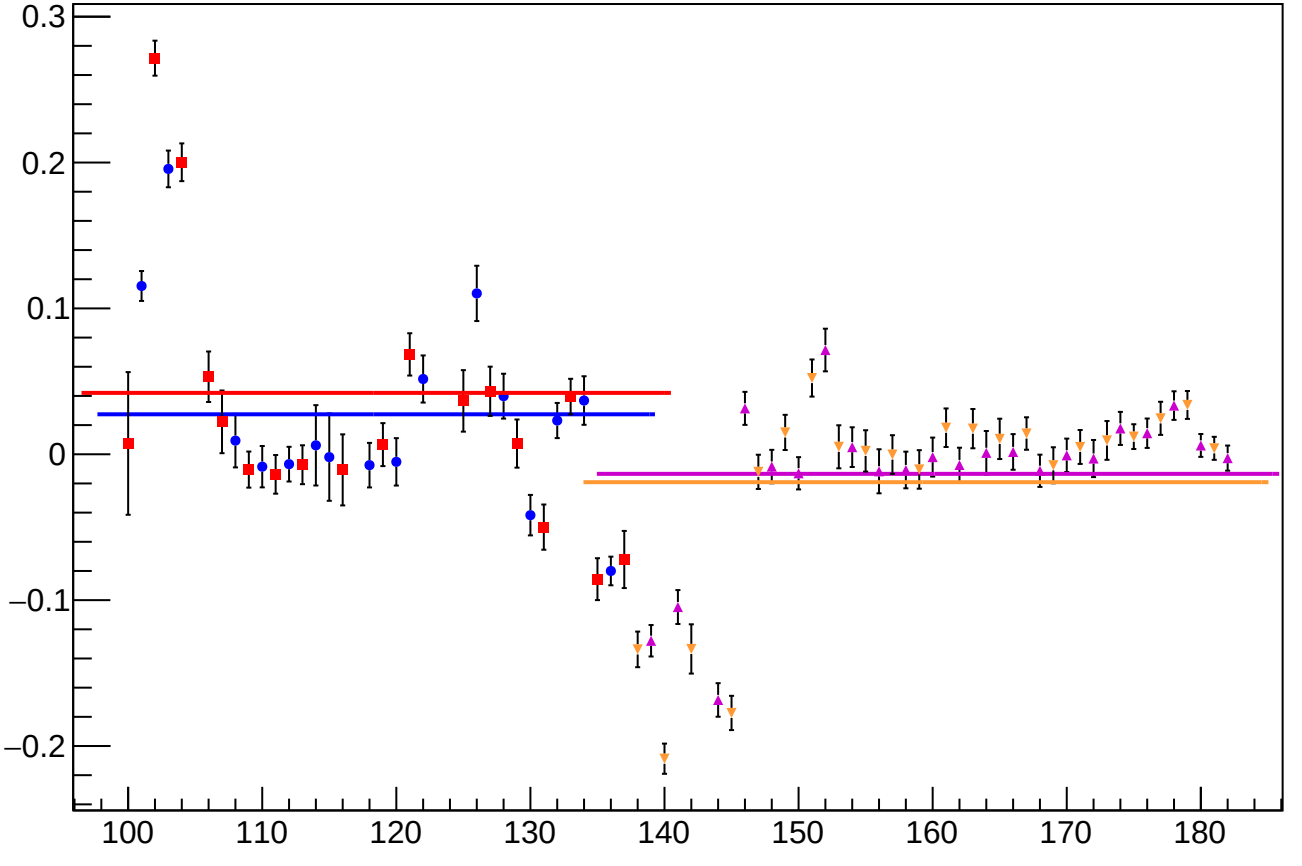
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.026+/-0.002 χ^2/NDF:80.7/37

Out: -0.023+/-0.002 χ^2/NDF:80.7/39

All: -0.024+/-0.001 χ^2/NDF: 163.0/77

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: -0.019+/-0.002 χ^2/NDF:804.3/21

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.013+/-0.002 χ^2/NDF:458.5/21

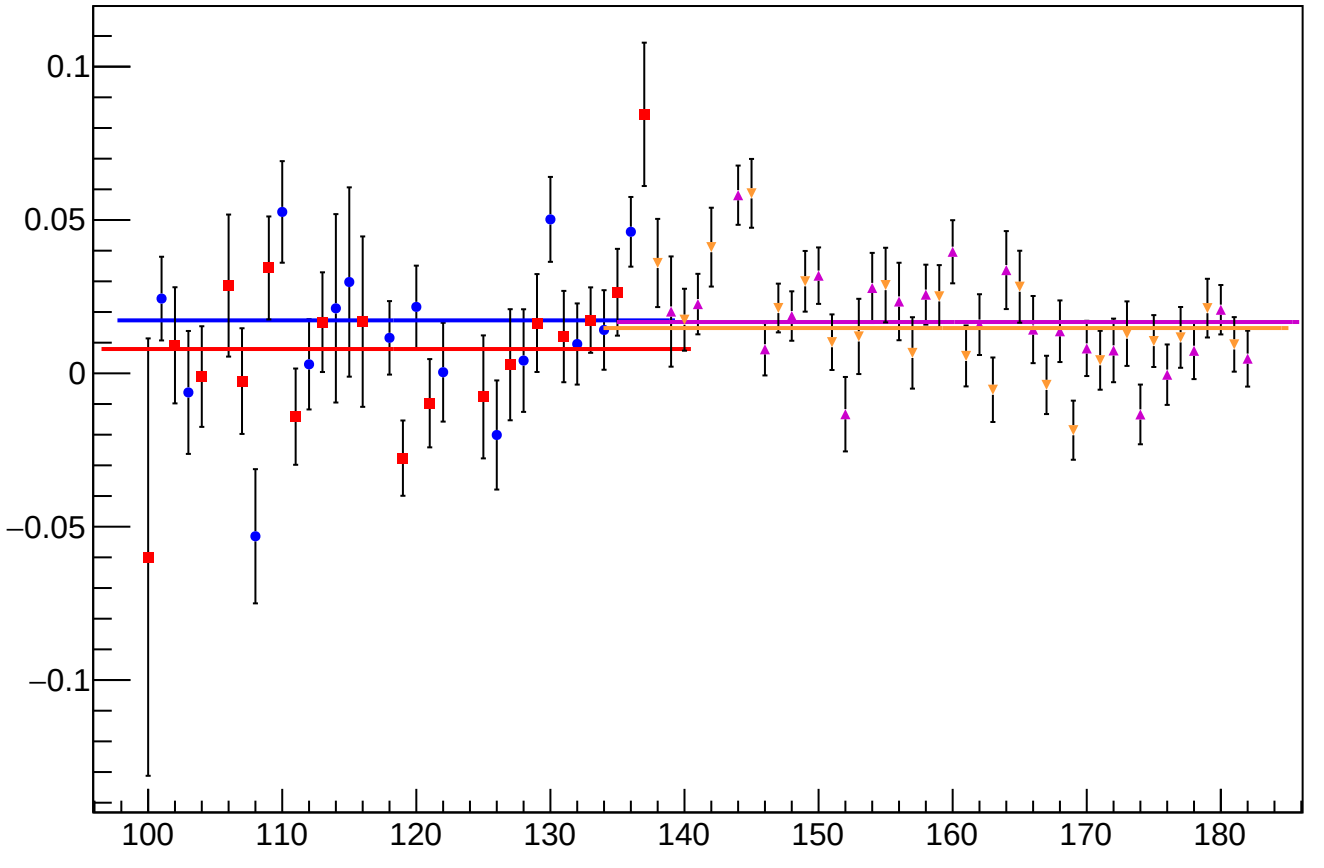
Left: -0.016+/-0.002 χ^2/NDF: 1265.5/43

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.001+/-0.002 χ^2/NDF:994.1/37

Out: 0.000+/-0.002 χ^2/NDF:1730.2/39

All: -0.000+/-0.001 χ^2/NDF: 2724.4/77



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:51.9/21

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.017+/-0.002 χ^2/NDF:54.9/21

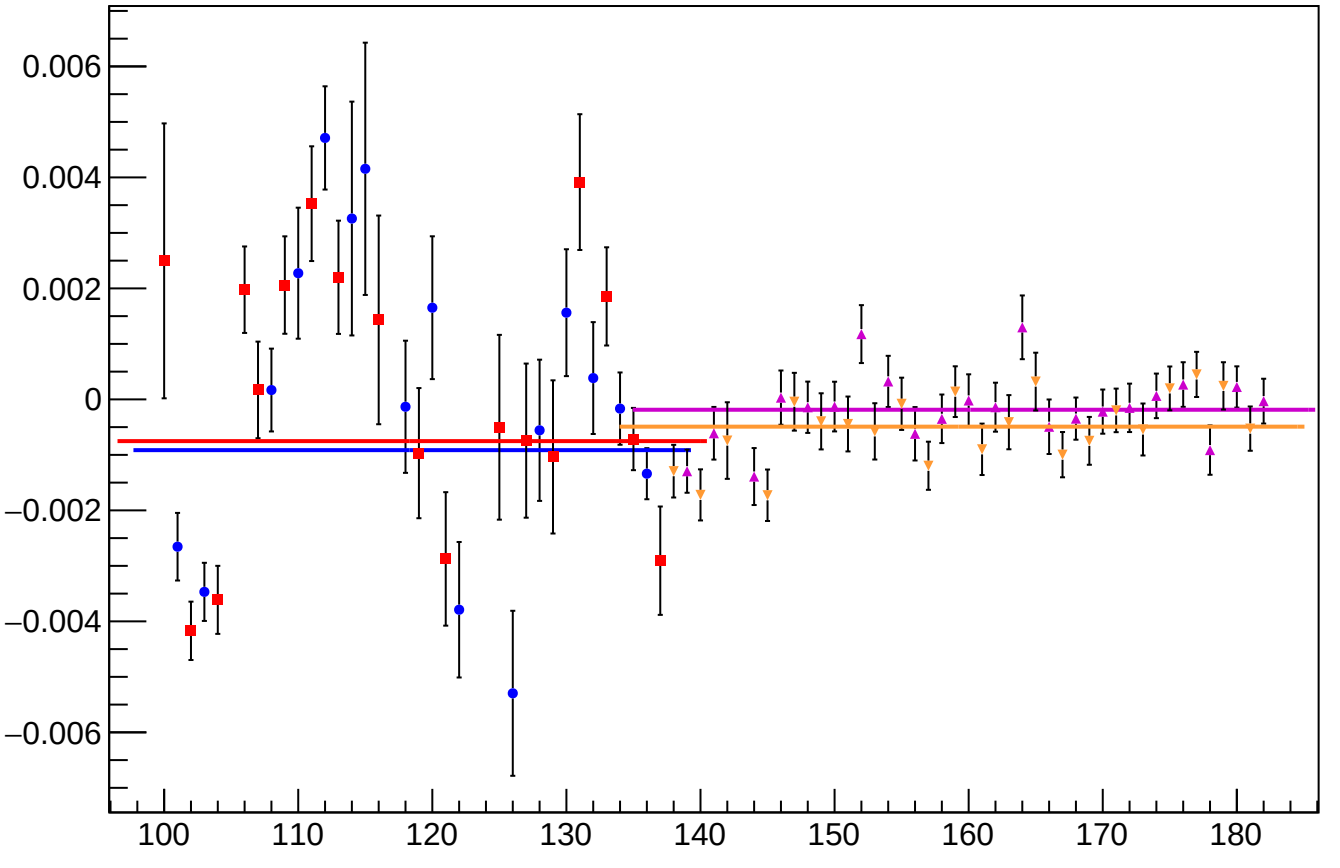
Left: 0.016+/-0.002 χ^2/NDF: 107.3/43

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.017+/-0.002 χ^2/NDF:91.6/37

Out: 0.013+/-0.002 χ^2/NDF:85.7/39

All: 0.015+/-0.001 χ^2/NDF: 179.2/77



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.4/21

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:36.7/21

Left: -0.000+/-0.000 χ^2/NDF: 82.2/43

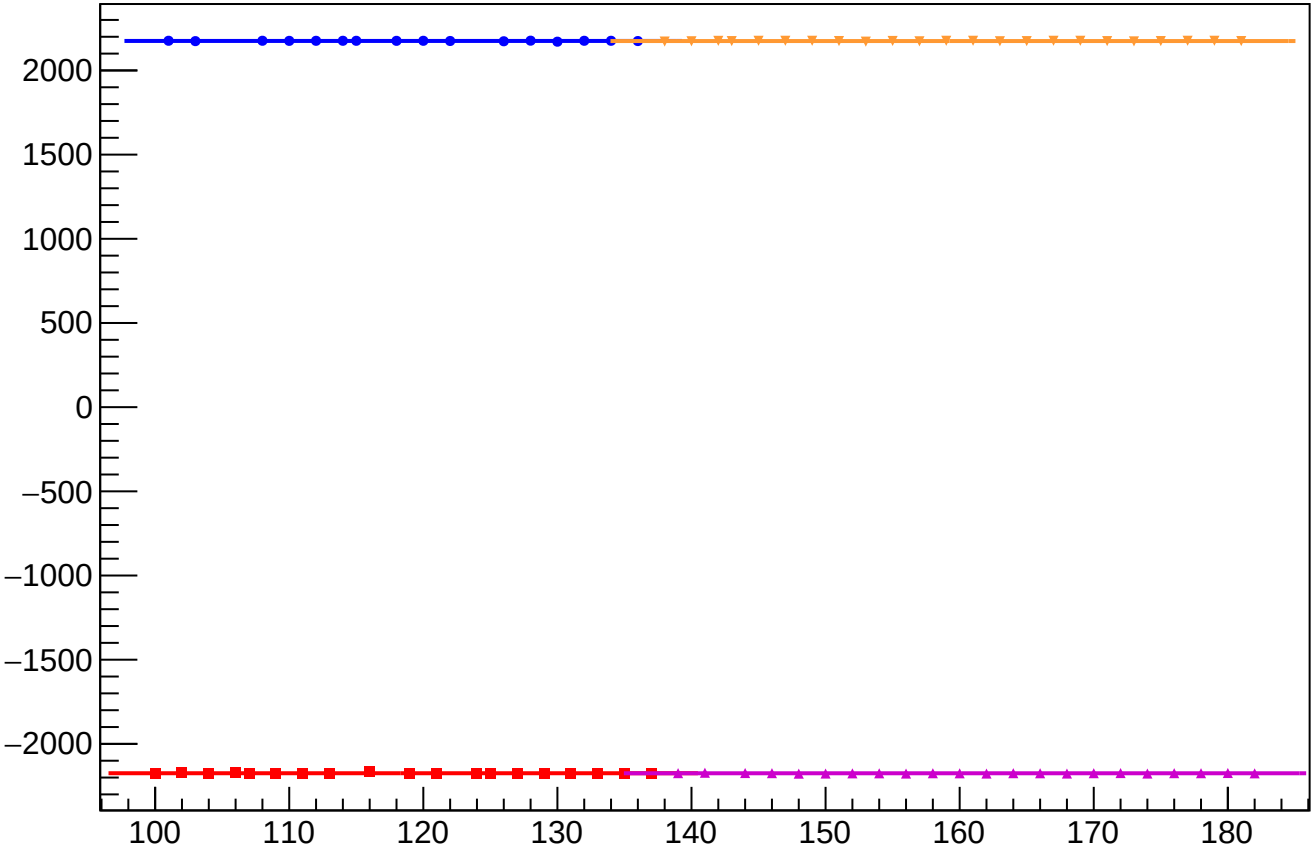
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:160.7/37

Out: -0.001+/-0.000 χ^2/NDF:189.2/39

All: -0.000+/-0.000 χ^2/NDF: 353.4/77

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.626+/-0.000 χ^2/NDF:4705463621450767968692914364612608.0/22

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.546+/-0.000 χ^2/NDF:335008105417157455566814606000128 0.0/21

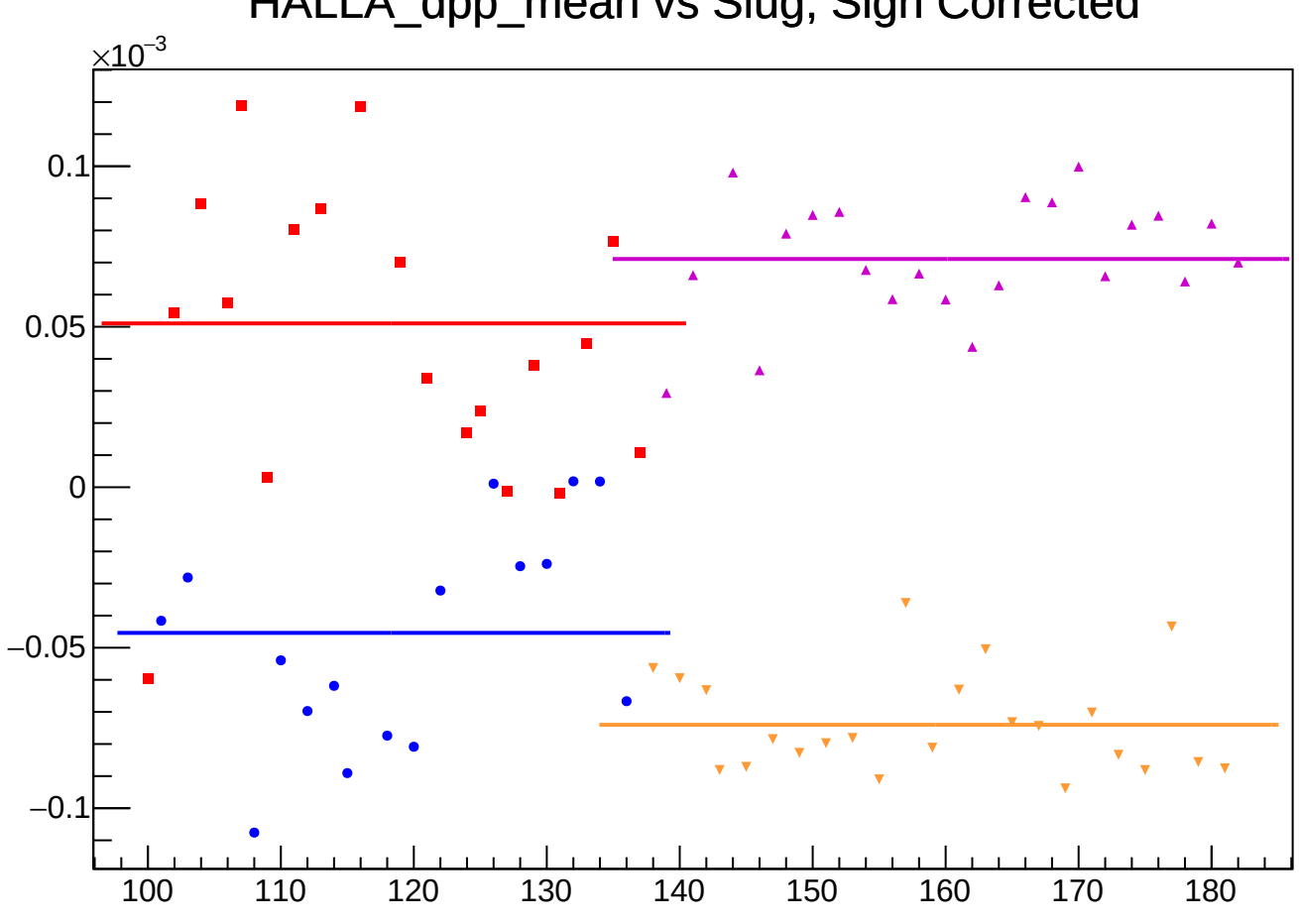
Left: 19.009+/-0.000 χ^2/NDF: 1788778758042622

Right: -31.373+/-0.000 χ^2/NDF: 711179104907611

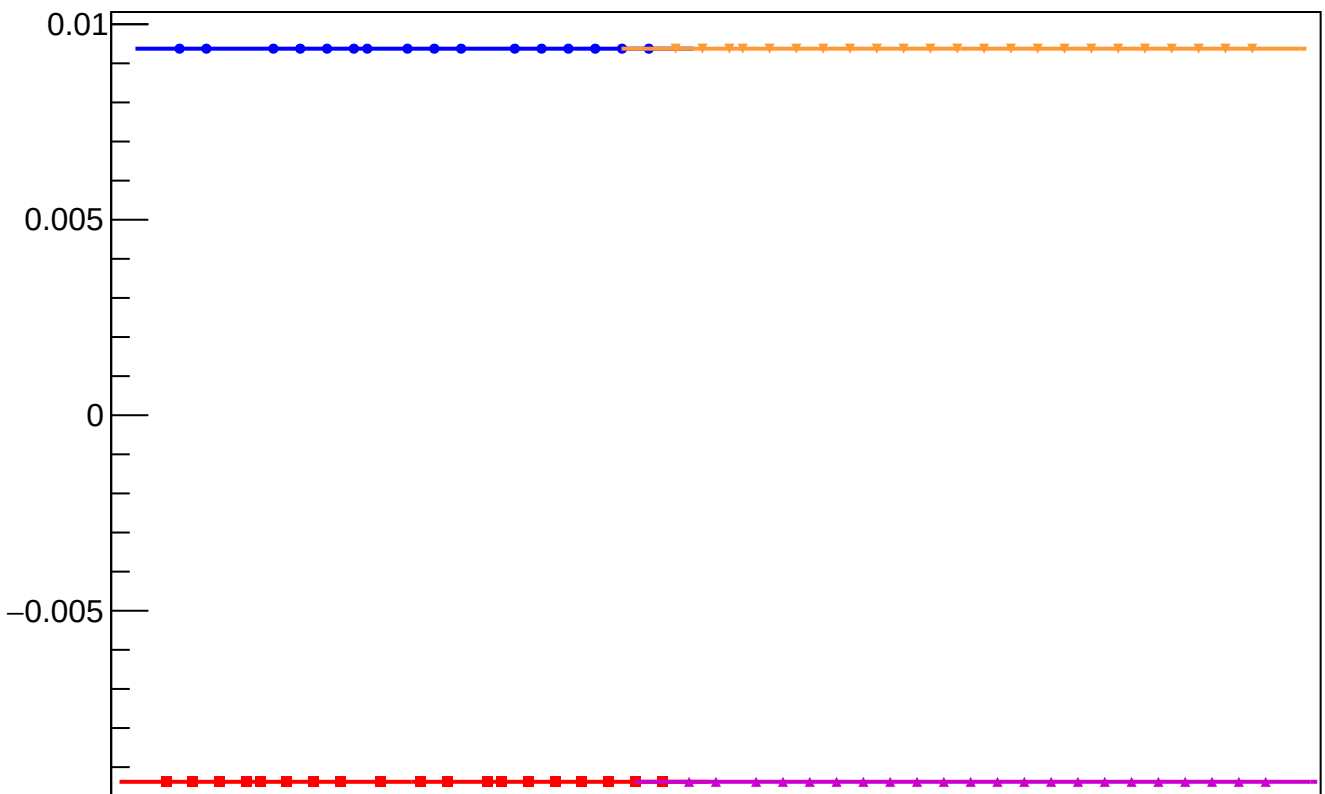
In: -942.450+/-0.000 χ^2/NDF:1004870278100140

Out: 932.301+/-0.000 χ^2/NDF:1030856399095948

All: 4.677+/-0.000 χ^2/NDF: 2500231030742


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:46688043664483288298291 2.0/22
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:6276245098142802273894400.0/21
Left: -0.000+/-0.000 χ²/NDF: 21011068097133635
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:8547347996231404504
Out: -0.000+/-0.000 χ²/NDF:10001720793165204
All: -0.000+/-0.000 χ²/NDF: 2626440691213

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:0.0/22

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/21

Left: 0.000+/-0.000 χ^2/NDF: 332464933584455750

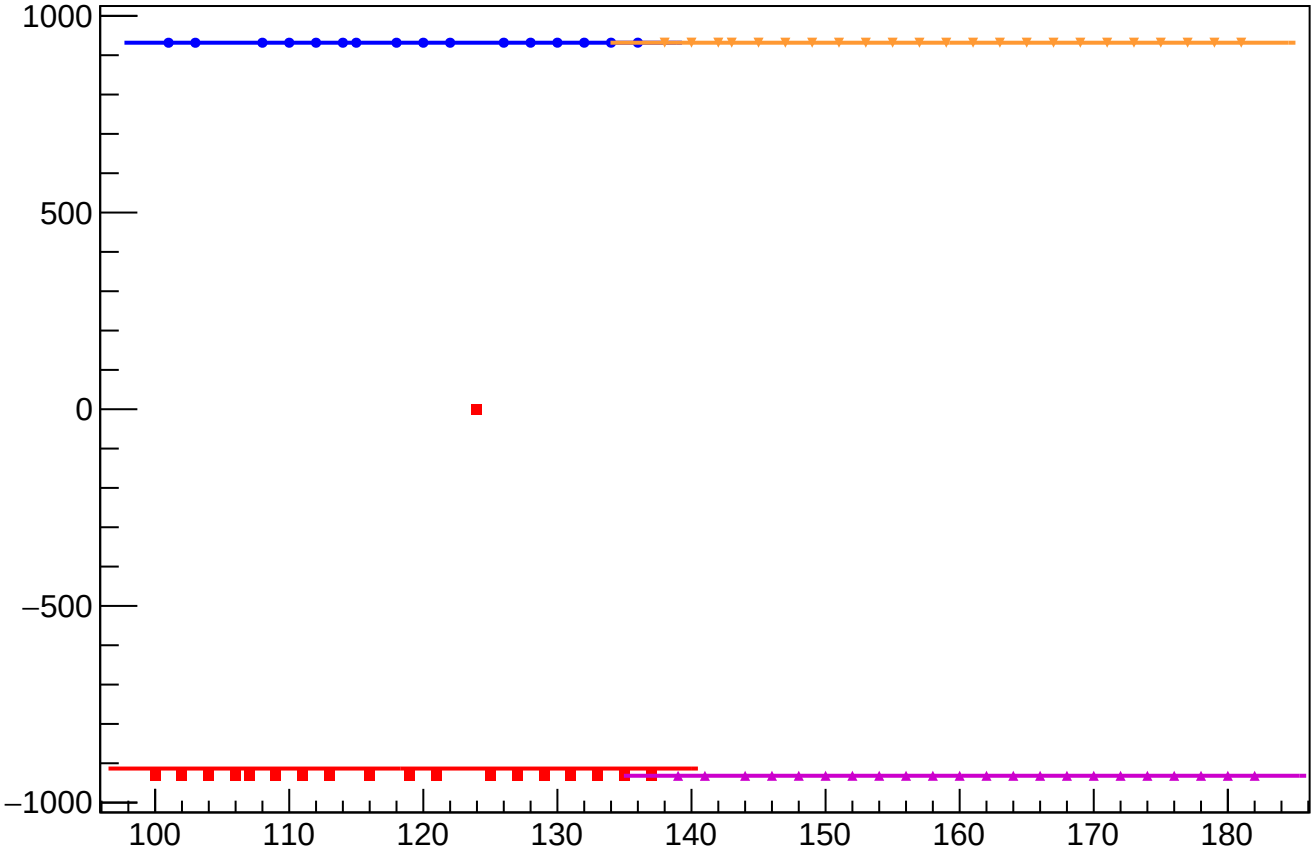
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:186717182124426175

Out: 0.004+/-0.000 χ^2/NDF:191615909303631204

All: 0.000+/-0.000 χ^2/NDF: 4646757228815

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.785+/-0.000 χ^2/NDF:42199924086724176917991595704320.0/22

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.778+/-0.000 χ^2/NDF:38236703381627131339997687316480.0/21

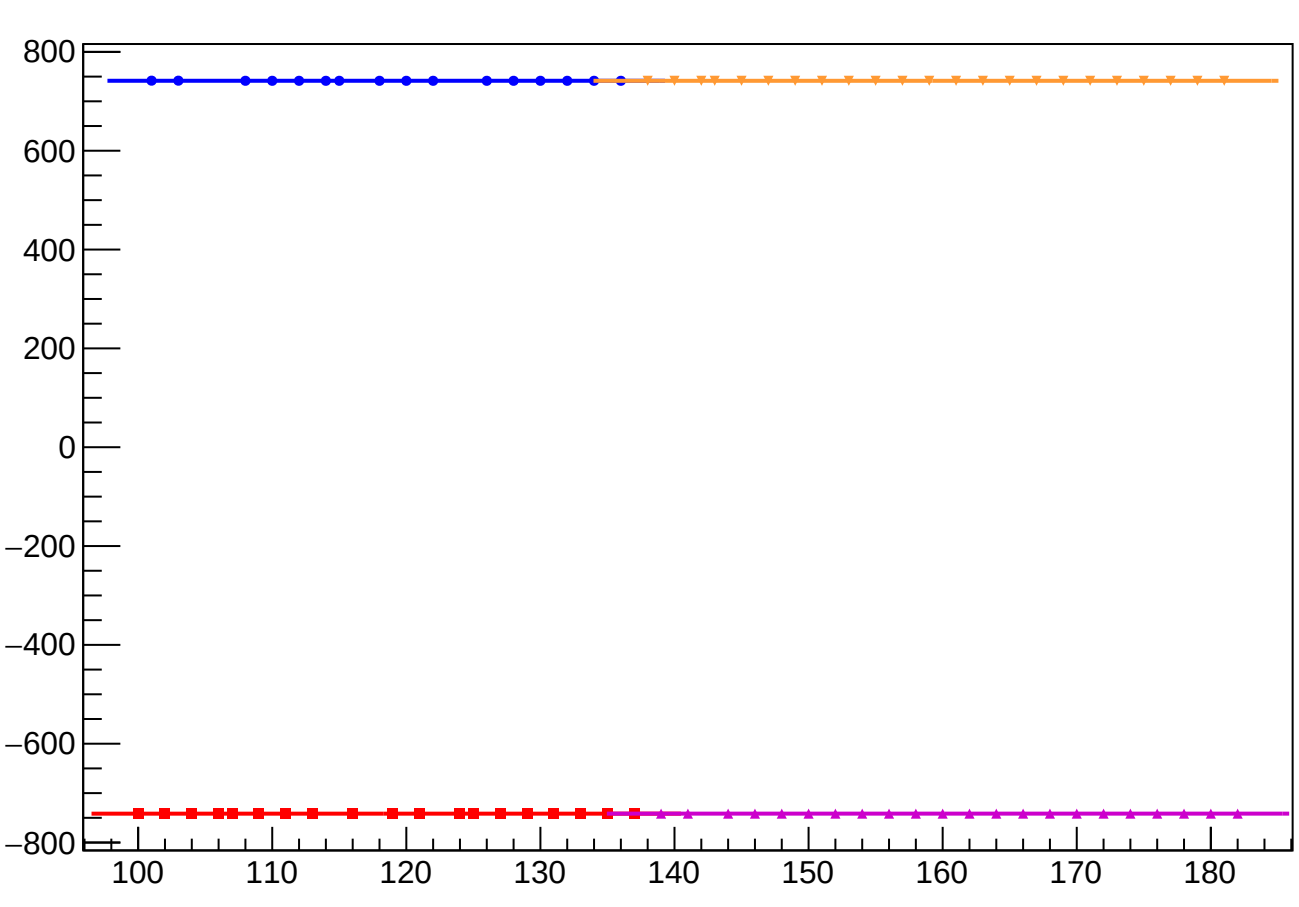
Left: 8.132+/-0.000 χ^2/NDF: 328421620863747293

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

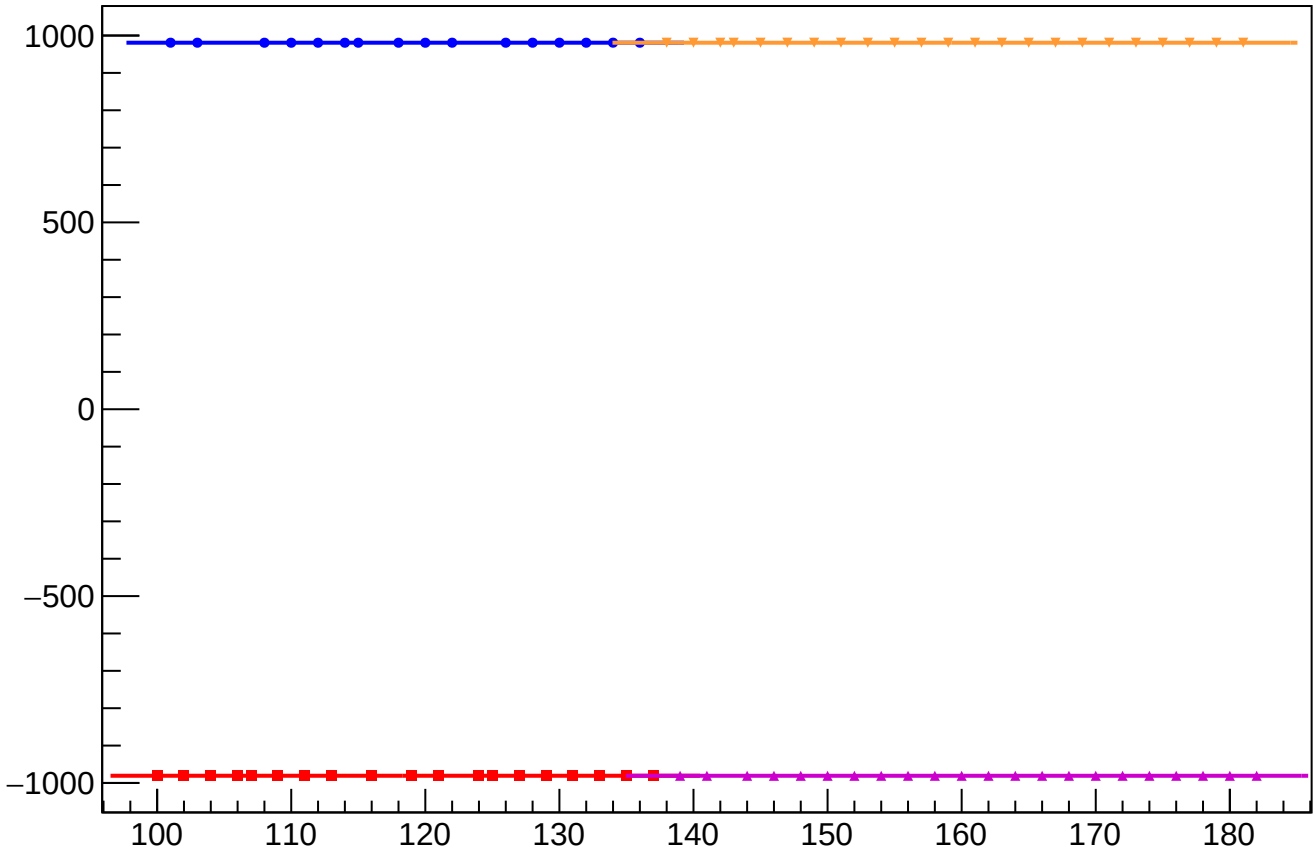
In: -403.916+/-0.000 χ^2/NDF:1844432161485809

Out: 404.675+/-0.000 χ^2/NDF:1868565290332940

All: 4.585+/-0.000 χ^2/NDF: 4577088565770


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
Right In: 741.569+/-0.000 χ²/NDF: 643295117612794706193889938636 8.0/15
Left Out: 741.513+/-0.000 χ²/NDF:2362079718861957355247060910 08.0/22
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761 5616.0/18
Left In: -741.512+/-0.000 χ²/NDF:215784506849746034255630172160.0/21
Left: 6.469+/-0.000 χ²/NDF: 207988867007336845
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
In: -321.419+/-0.000 χ²/NDF:116818466101625 5
Out: 317.852+/-0.000 χ²/NDF:11988466643278 85
All: 1.542+/-0.000 χ²/NDF: 2907129602288 2

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.768+/-0.000 χ^2/NDF:76827285925573759737332865433360/22

Right Out: -980.725+/-0.000 χ^2/NDF: 56040205617358336221662876270592.0/18

Left In: -980.773+/-0.000 χ^2/NDF:151245975520559514122065018880 0.0/21

Left: 8.553+/-0.000 χ^2/NDF: 363863275495950017

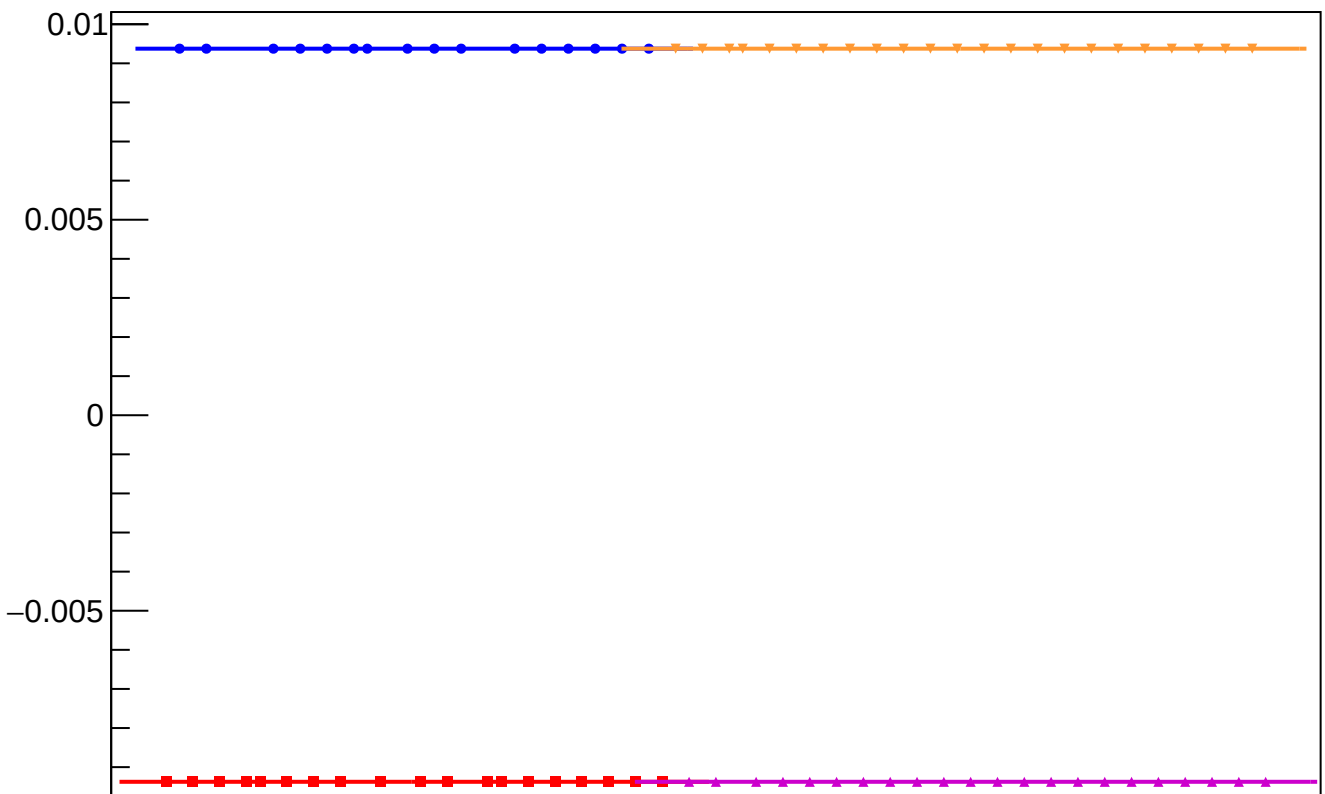
Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

In: -425.143+/-0.000 χ^2/NDF:2043584677810815

Out: 420.446+/-0.000 χ^2/NDF:2097018893852241

All: 2.050+/-0.000 χ^2/NDF: 5085581107994

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:0.0/22

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/21

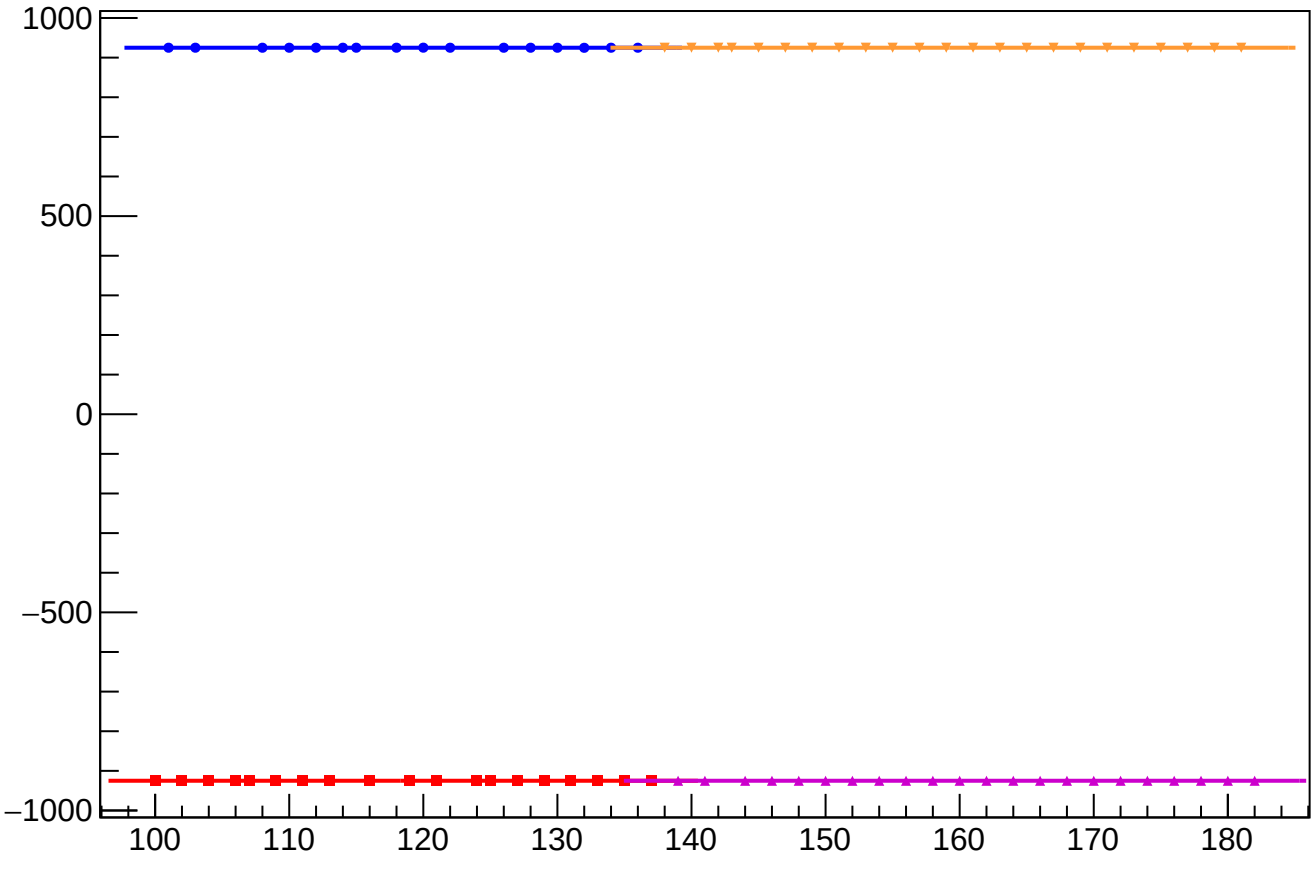
Left: 0.000+/-0.000 χ^2/NDF: 332464933584455750

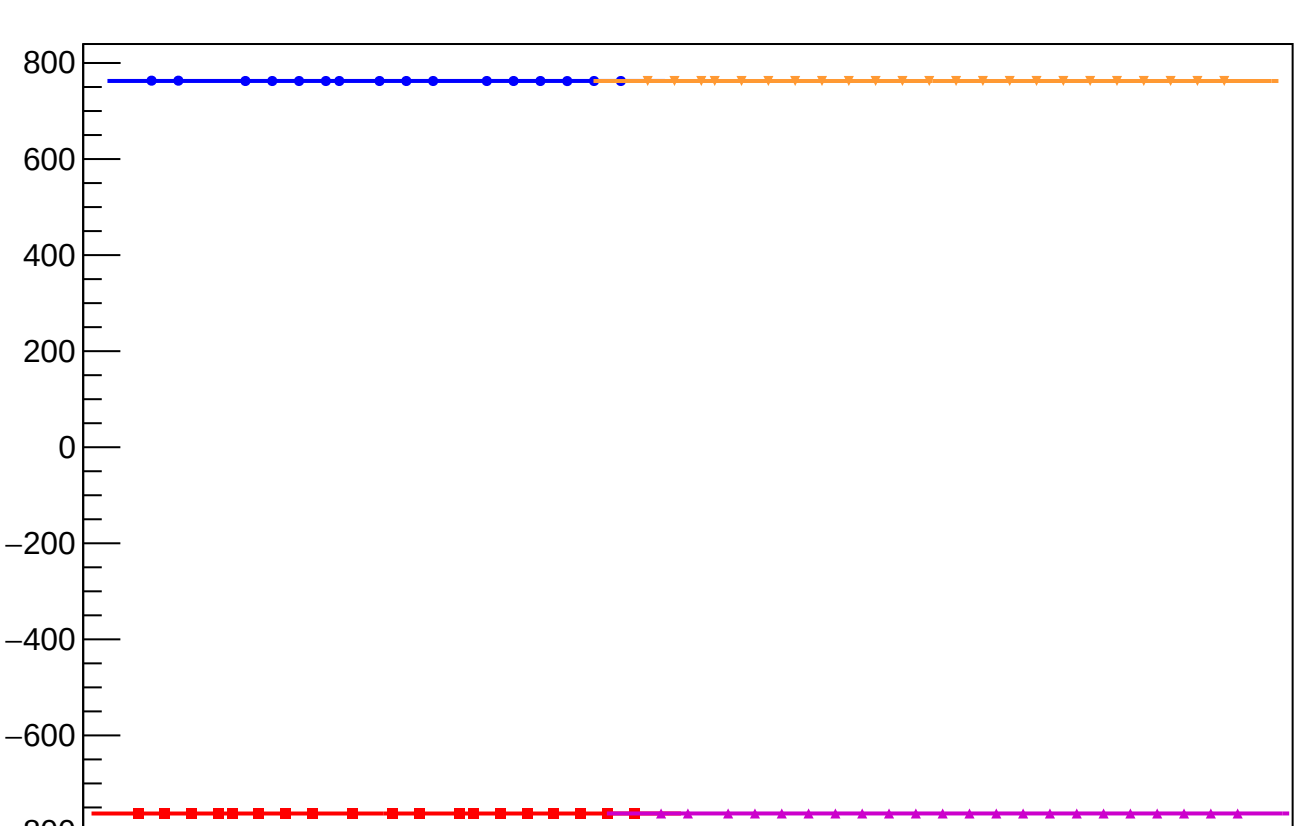
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:186717182124426175

Out: 0.004+/-0.000 χ^2/NDF:191615909303631204

All: 0.000+/-0.000 χ^2/NDF: 46467572288159


HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: 924.966+/-0.000 χ²/NDF: 254437050808765880053303712153 6.0/15
Left Out: 924.981+/-0.000 χ²/NDF:104198122611265707523917951 7952.0/22
Right Out: -924.974+/-0.000 χ²/NDF: 124198152111689090023635183 2064.0/18
Left In: -924.982+/-0.000 χ²/NDF:864143419815956356205067108352.0/21
Left: 8.068+/-0.000 χ²/NDF: 3236456188912808 2
Right: -13.534+/-0.000 χ²/NDF: 12865015591145 0
In: -400.972+/-0.000 χ²/NDF:181761127306358 6
Out: 396.522+/-0.000 χ²/NDF:18653124608511 30
All: 1.923+/-0.000 χ²/NDF: 4523459955254 8



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.517+/-0.000 χ^2/NDF:7346461450054711046082773647 36.0/22

Right Out: -762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374886 4.0/18

Left In: -762.518+/-0.000 χ^2/NDF:66165106340768159950575553740 8.0/21

Left: 6.651+/-0.000 χ^2/NDF: 219939561557829749

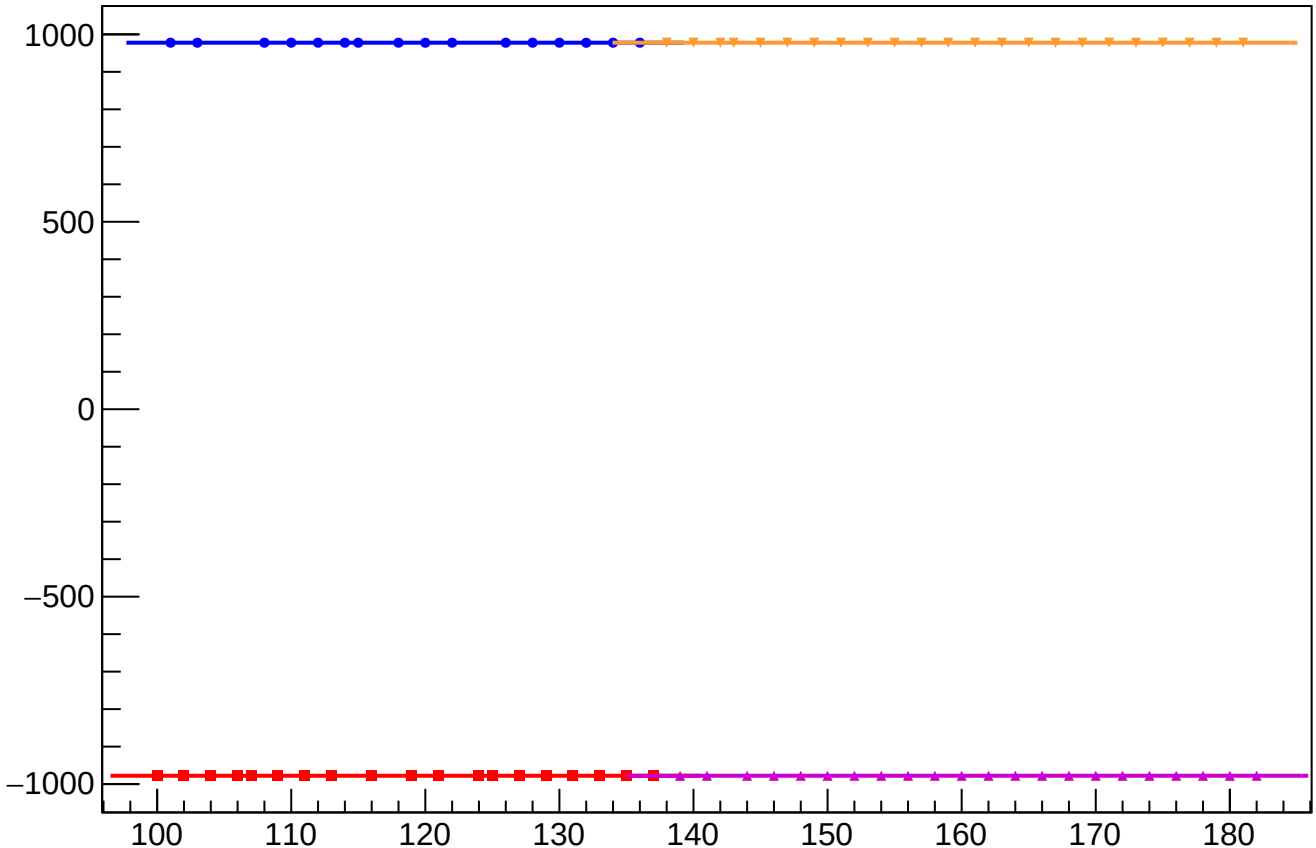
Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

In: -330.515+/-0.000 χ^2/NDF:1235364154575854

Out: 326.846+/-0.000 χ^2/NDF:126778559681963 6

All: 1.585+/-0.000 χ^2/NDF: 3074247242131 3

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.737+/-0.000 χ^2/NDF:11764695893642501973544324300800.0/22

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

Left In: -977.735+/-0.000 χ^2/NDF:10959674328705620367315231047680.0/21

Left: 8.530+/-0.000 χ^2/NDF: 3616152341588838 73

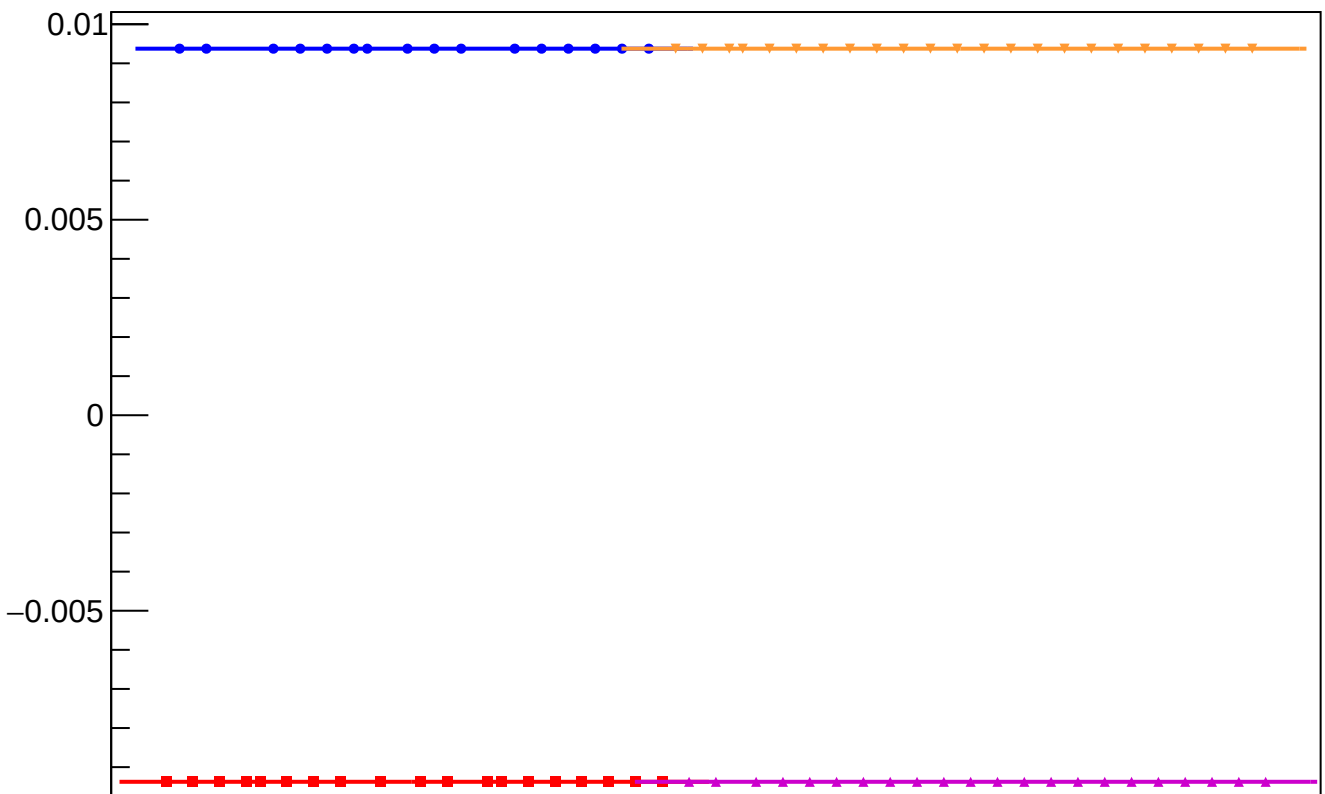
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: -423.831+/-0.000 χ^2/NDF:2030908826160191

Out: 419.132+/-0.000 χ^2/NDF:2084192536087055

All: 2.035+/-0.000 χ^2/NDF: 5054217088766 3

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/22

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/21

Left: 0.000+/-0.000 χ^2/NDF: 332464933584455750

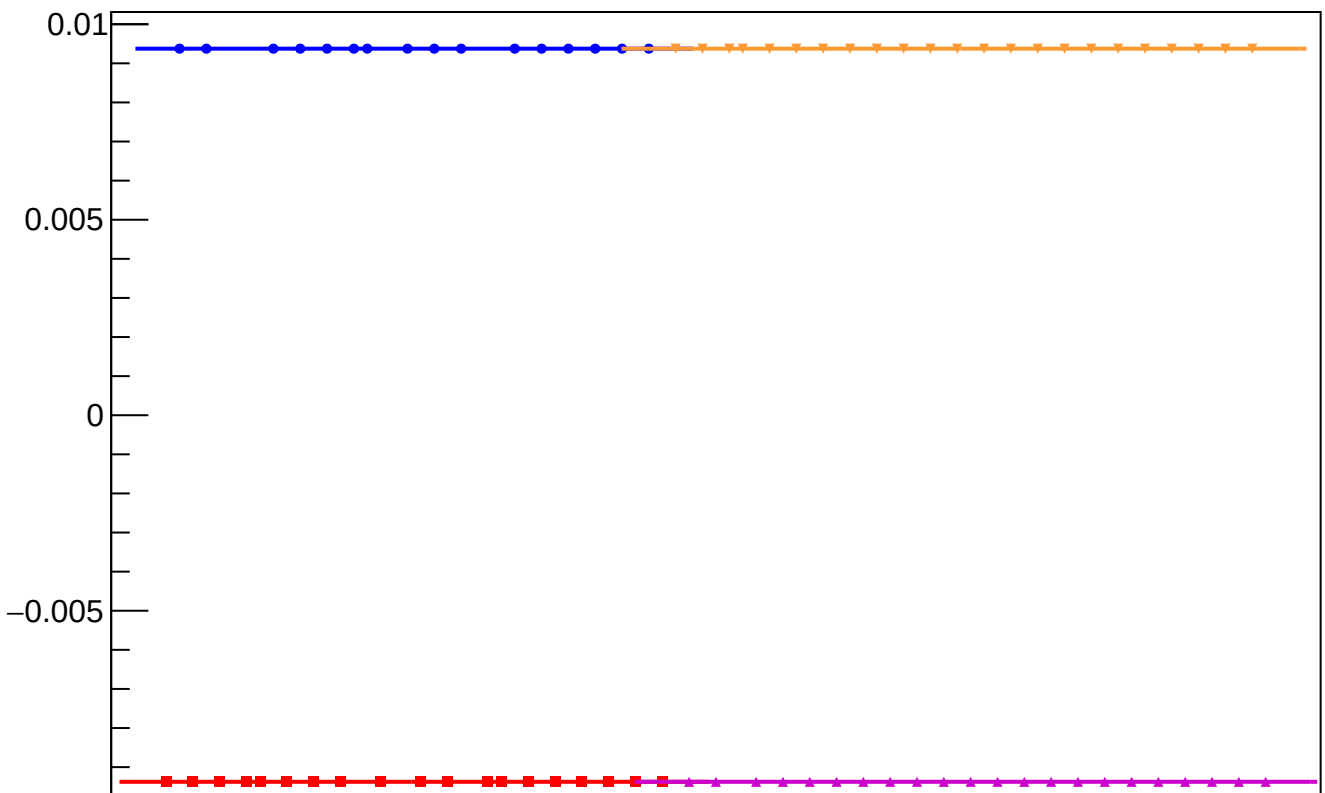
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:186717182124426175

Out: 0.004+/-0.000 χ^2/NDF:191615909303631204

All: 0.000+/-0.000 χ^2/NDF: 46467572288159

MSUPERBIGBITEreadcalc_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:0.0/22

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/21

Left: 0.000+/-0.000 χ^2/NDF: 332464933584455750

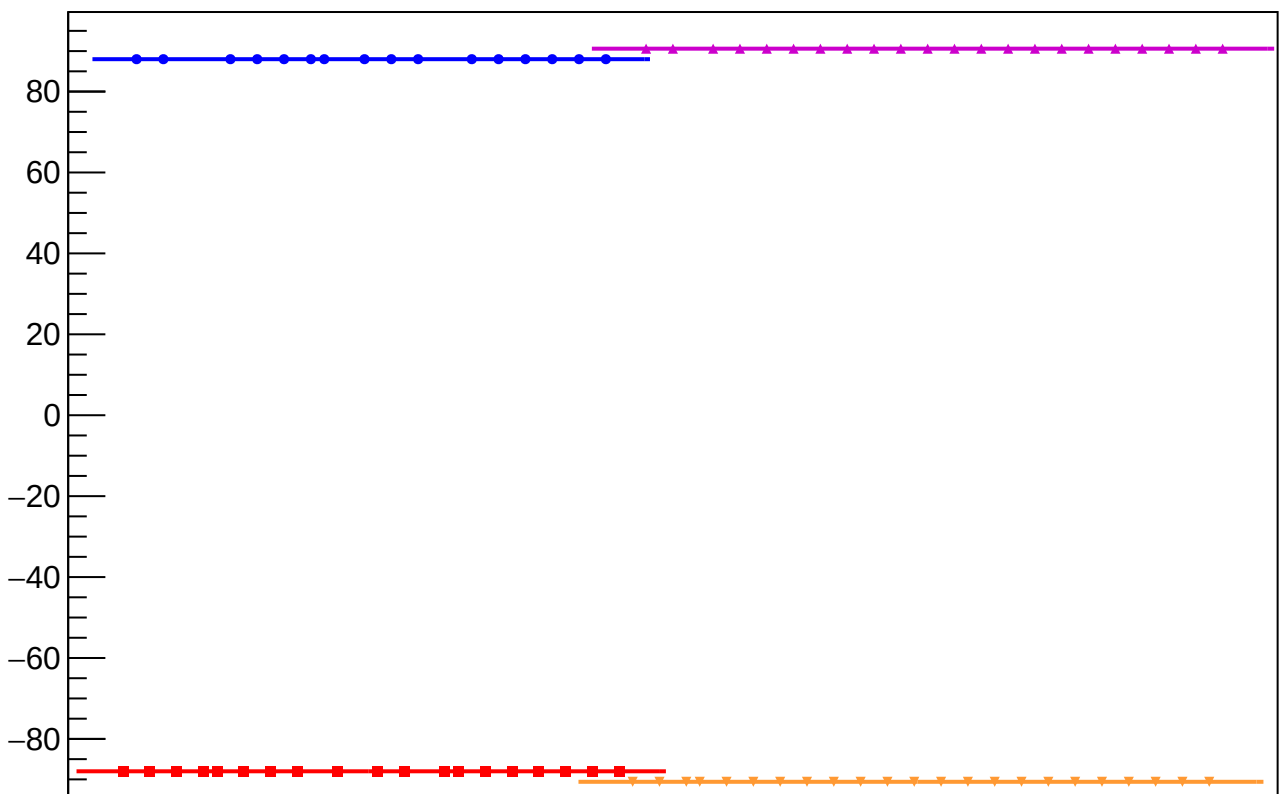
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:186717182124426175

Out: 0.004+/-0.000 χ^2/NDF:191615909303631204

All: 0.000+/-0.000 χ^2/NDF: 4646757228815

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:4434382.8/22

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:6293519.7/21

Left: -0.790+/-0.000 χ^2/NDF: 31049381026602371

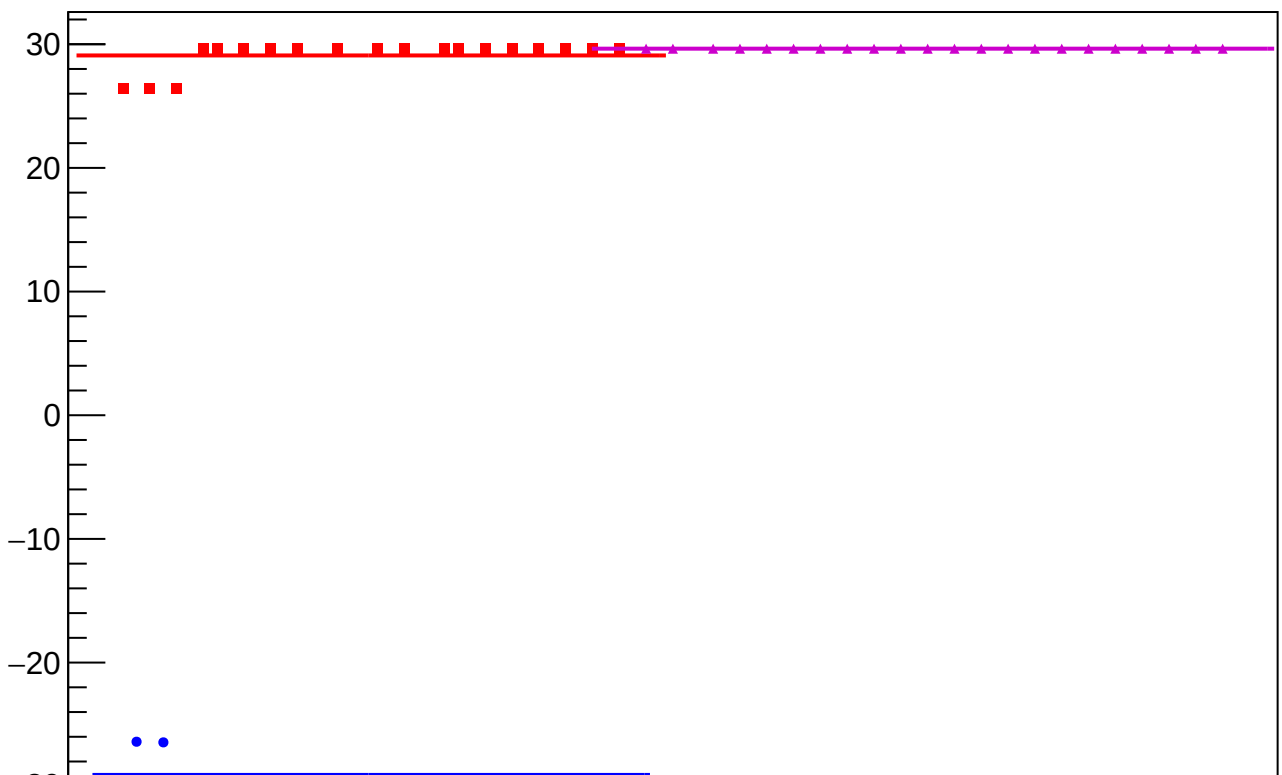
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.863+/-0.000 χ^2/NDF:358639829619815844

Out: -89.858+/-0.000 χ^2/NDF:3672910027493221

All: -0.932+/-0.000 χ^2/NDF: 4269467606465

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:223859.8/22

Right Out: 29.093+/-0.000 χ^2/NDF: 1125238156749692849797805899776000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:190109.2/21

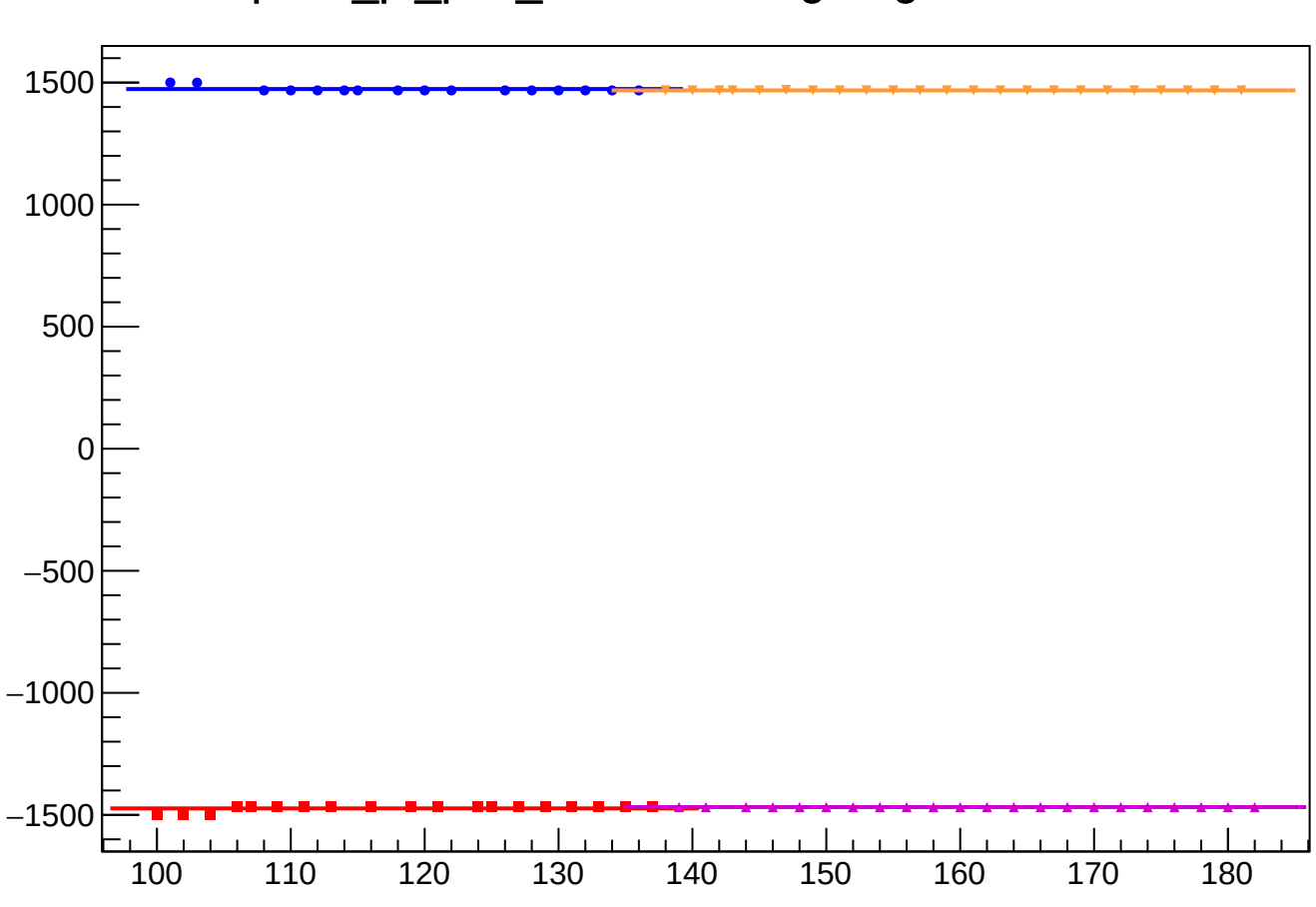
Left: -0.259+/-0.000 χ^2/NDF: 33233822473597933

Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

In: 13.006+/-0.000 χ^2/NDF:183275115497396202

Out: -12.863+/-0.000 χ^2/NDF:1881318864085565

All: -0.063+/-0.000 χ^2/NDF: 4598492137161



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477 1584.0/15

Left Out: 1468.054+/-0.000 χ^2/NDF:139252587541856683857867790352384.0/22

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

Left In: -1467.993+/-0.000 χ^2/NDF:154466986627104652268079677440.0/21

Left: 12.836+/-0.000 χ^2/NDF: 81520965702815336

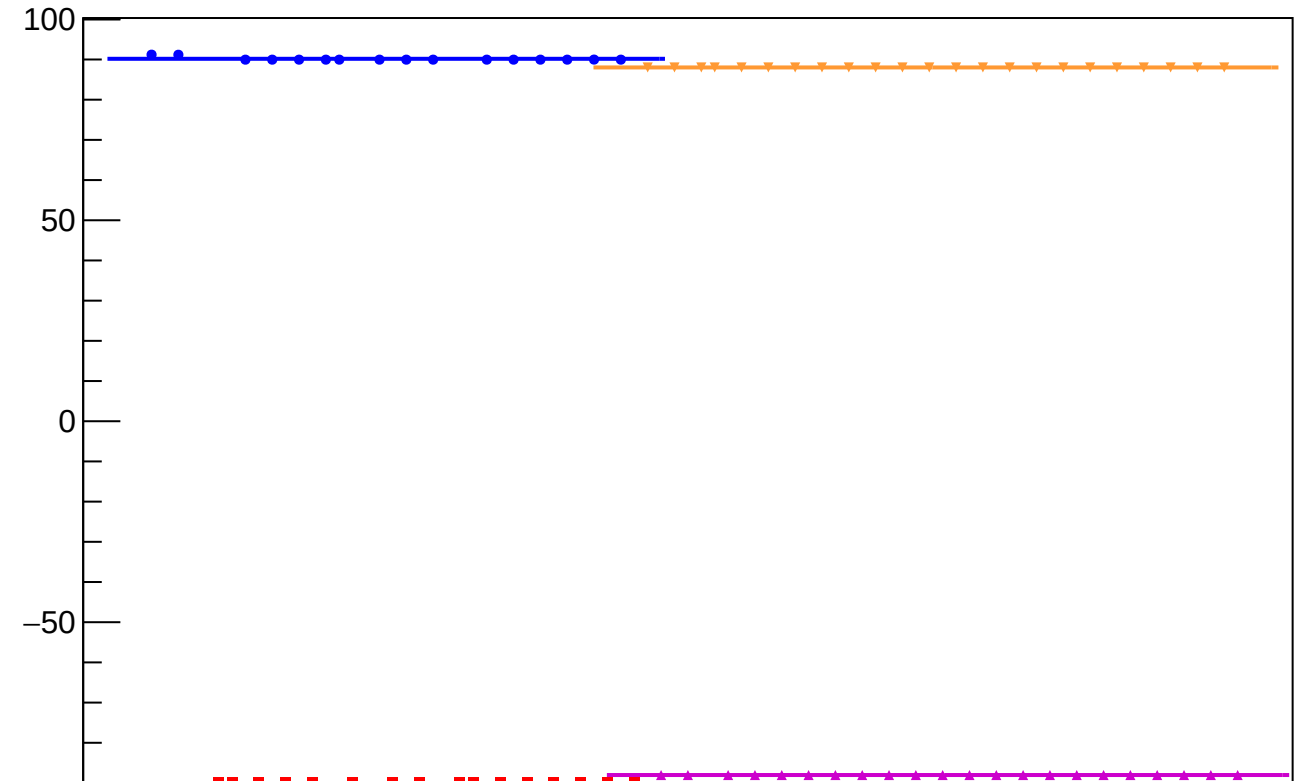
Right: -21.516+/-0.000 χ^2/NDF: 3264697385914600

In: -634.804+/-0.000 χ^2/NDF:4595343860702169

Out: 627.798+/-0.000 χ^2/NDF:4715862190468018

All: 3.064+/-0.000 χ^2/NDF: 1141806385440

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:4328157.9/22

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:5475224.8/21

Left: 0.768+/-0.000 χ^2/NDF: 2930710763839364631

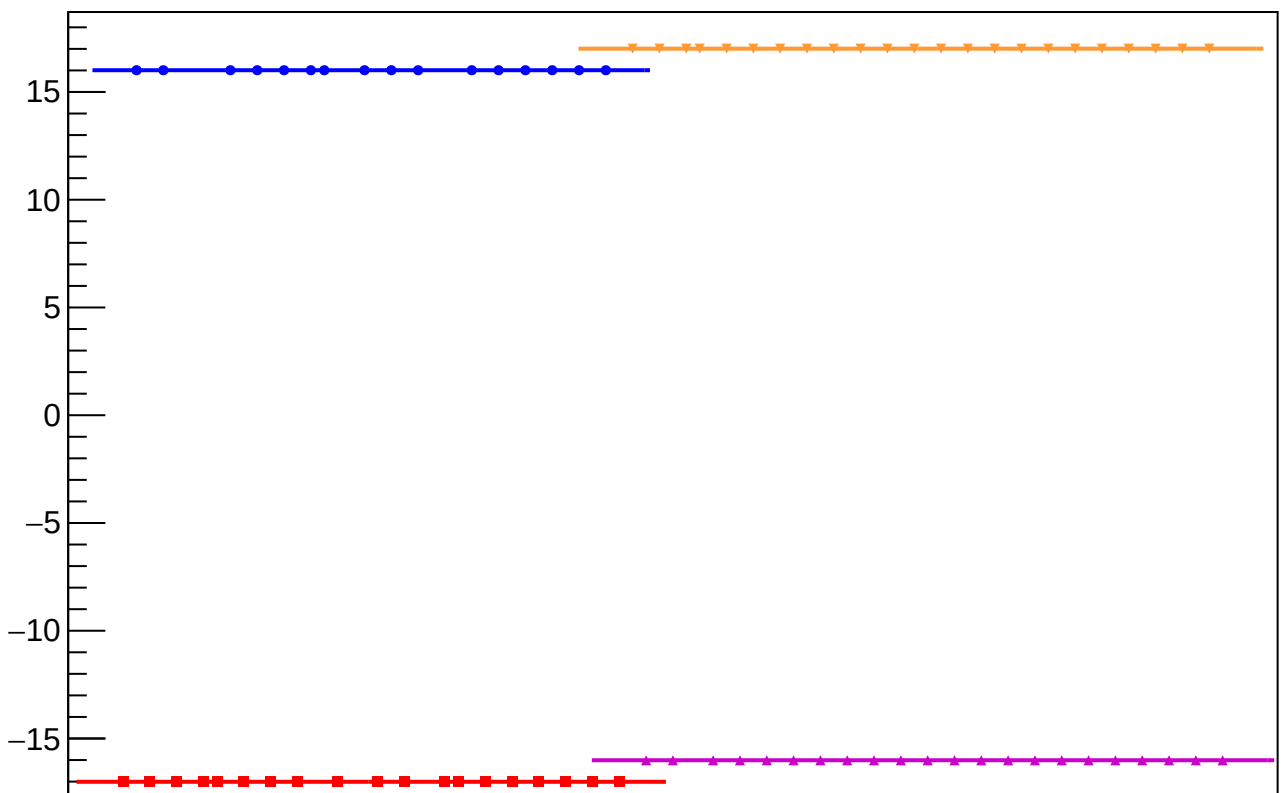
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -37.546+/-0.000 χ^2/NDF:16864341323653508

Out: 37.119+/-0.000 χ^2/NDF:1730605529857397

All: 0.175+/-0.000 χ^2/NDF: 41538190208130

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:2657171661848735484215296 0.0/22

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:12458944665545493551513 6.0/21

Left: 0.613+/-0.000 χ^2/NDF: 953906397345685426

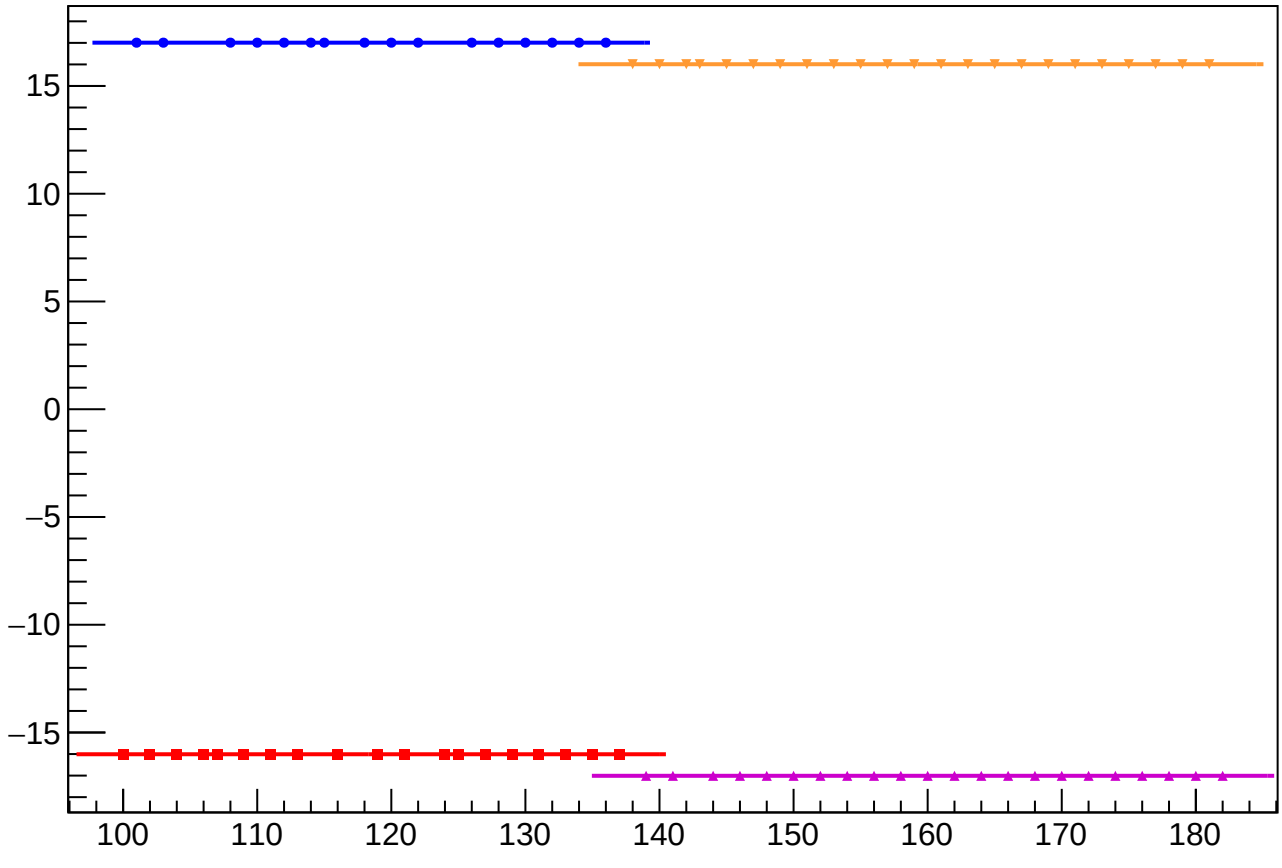
Right: -0.393+/-0.000 χ^2/NDF: 3802025477299216

In: -6.797+/-0.000 χ^2/NDF:5126320506766446 75

Out: 7.406+/-0.000 χ^2/NDF:575597705608209795

All: 0.326+/-0.000 χ^2/NDF: 1335119585542 6

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:120575.8/22

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:1109181156708516364288000.0/21

Left: -0.264+/-0.000 χ^2/NDF: 10112617512888914

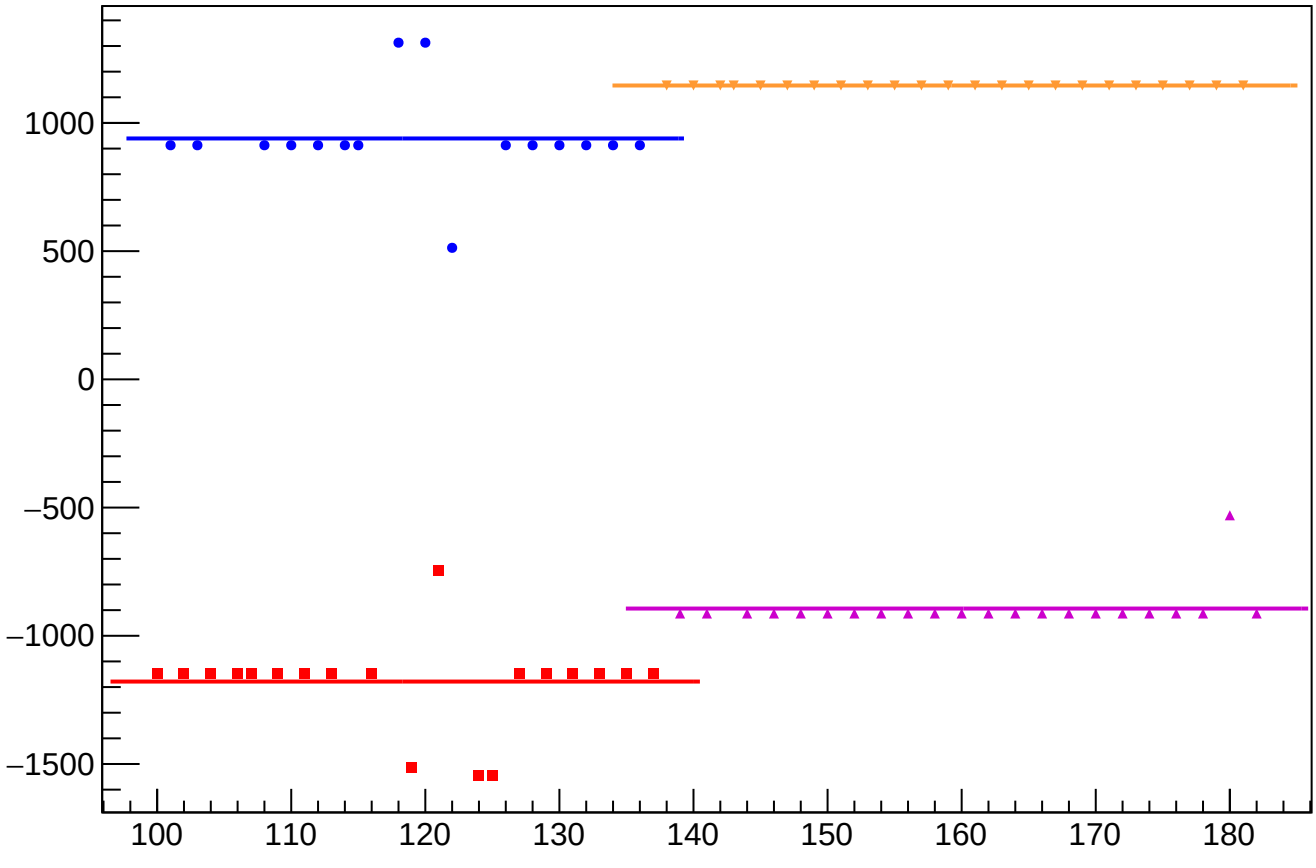
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -7.525+/-0.000 χ^2/NDF:590093090935116396

Out: 6.807+/-0.000 χ^2/NDF:554500242251130699

All: -0.214+/-0.000 χ^2/NDF: 1410364721252

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 135.005+/-0.000 χ^2/NDF: 3947880578285099

Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

Left Out: 1146.011+/-0.000 χ^2/NDF:690795508671942602909758259 2.0/22

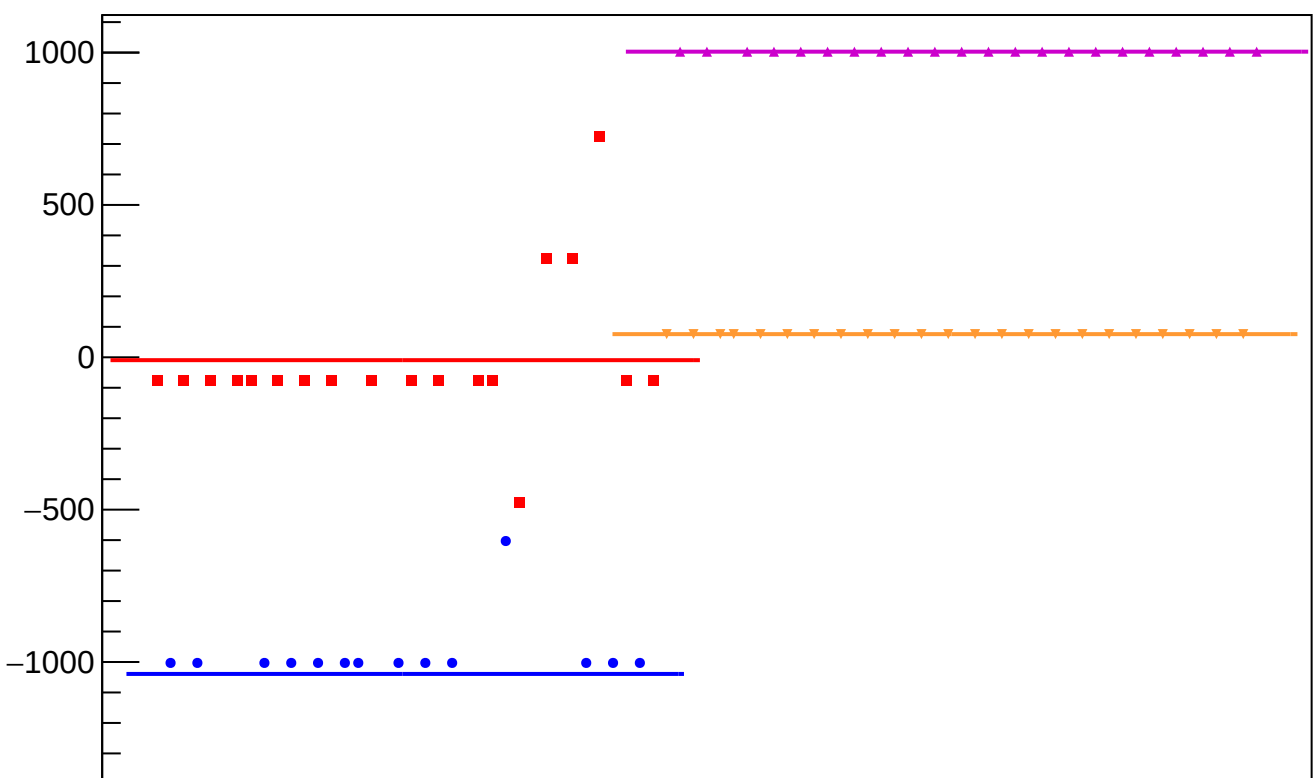
In: -374.517+/-0.000 χ^2/NDF:1819107212922260

Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

Out: 481.986+/-0.000 χ^2/NDF:2967220690794278

Left In: -893.795+/-0.000 χ^2/NDF:13095996920853270590180839637555085312.0/21

All: 58.190+/-0.000 χ^2/NDF: 5755853782671



Left: 535.457+/-0.000 χ^2/NDF: 8126112223102643

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:1041983421628810116600954880 0.0/22

In: 424.538+/-0.000 χ^2/NDF:2237777430828863

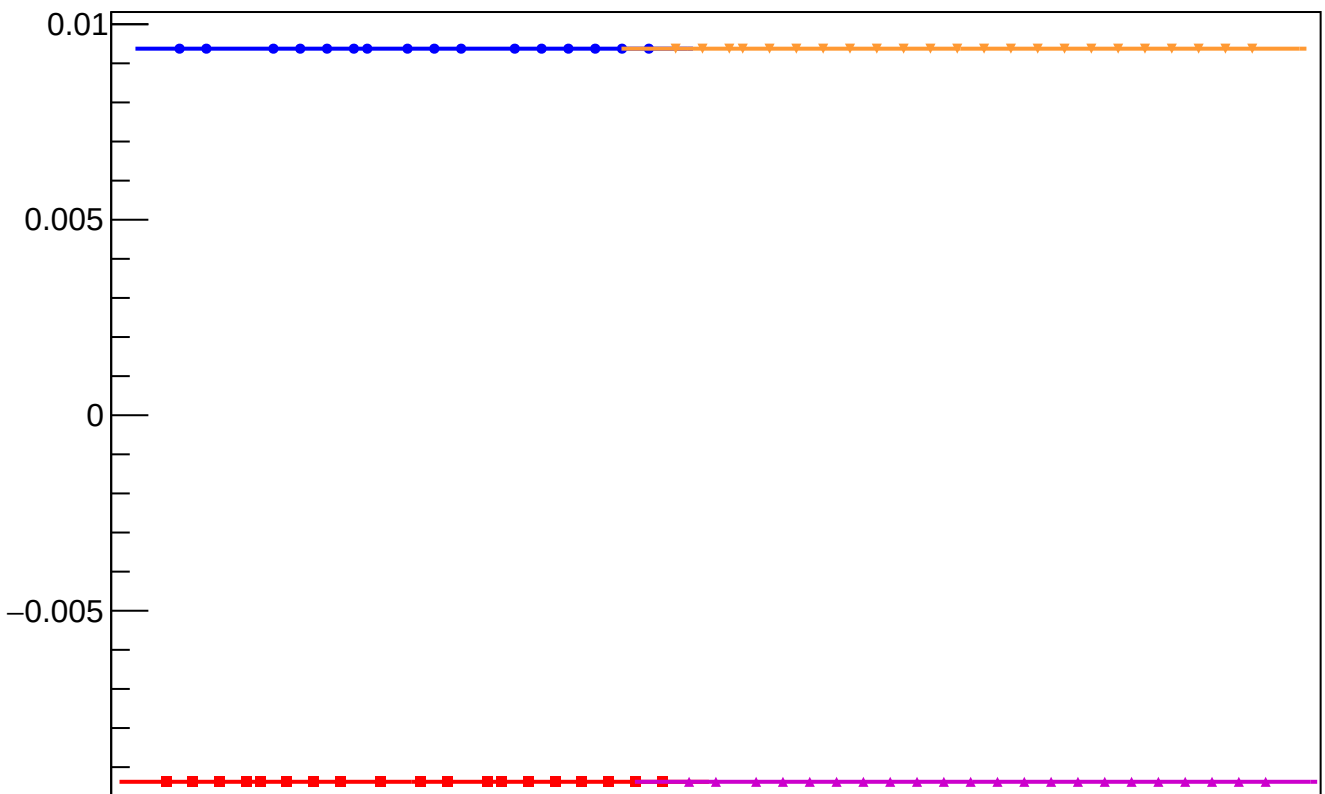
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515 40992.0/18

Out: 51.604+/-0.000 χ^2/NDF:50036276803266598

Left In: 1002.990+/-0.000 χ^2/NDF:2931943856293033313109540864.0/21

All: 236.131+/-0.000 χ^2/NDF: 247162230046

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:0.0/22

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/21

Left: 0.000+/-0.000 χ^2/NDF: 332464933584455750

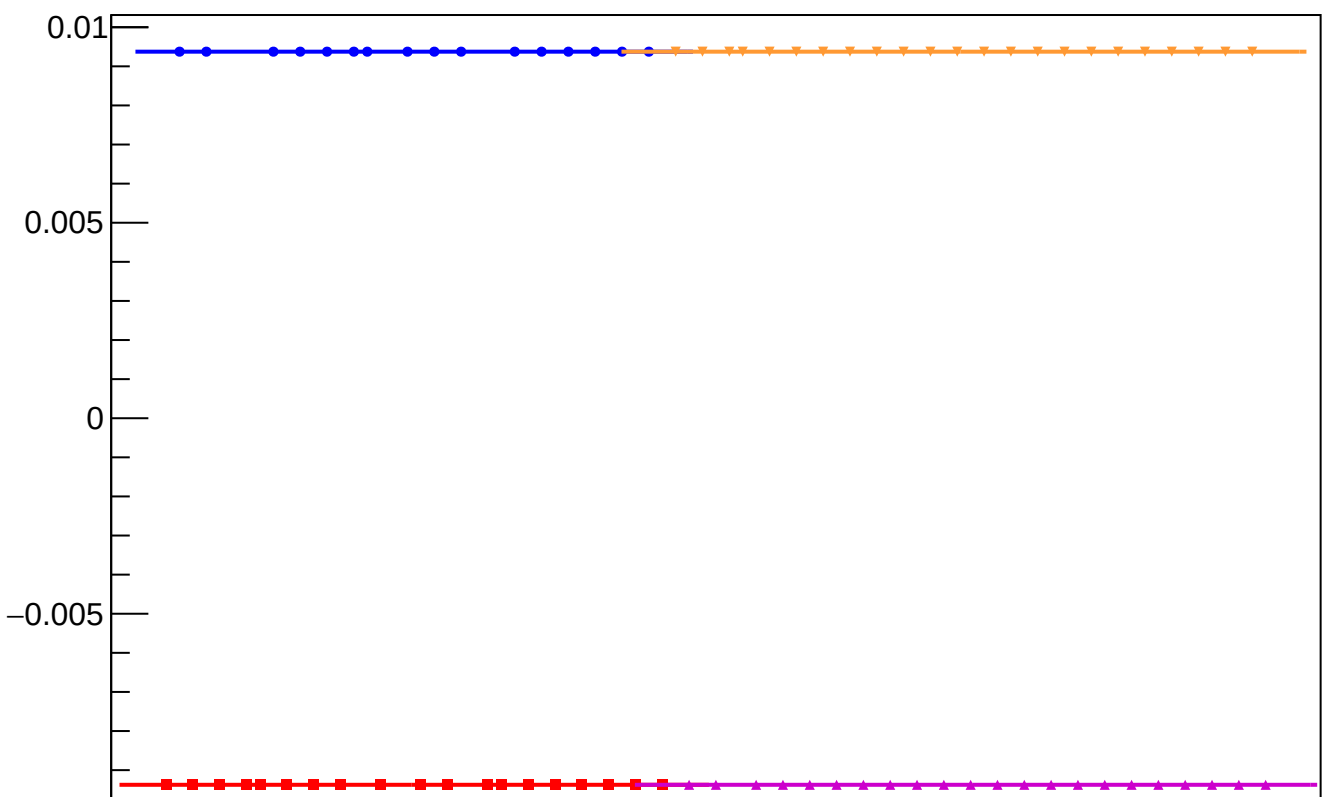
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:186717182124426175

Out: 0.004+/-0.000 χ^2/NDF:191615909303631204

All: 0.000+/-0.000 χ^2/NDF: 4646757228815

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:0.0/22

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/21

Left: 0.000+/-0.000 χ^2/NDF: 332464933584455750

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:186717182124426175

Out: 0.004+/-0.000 χ^2/NDF:191615909303631204

All: 0.000+/-0.000 χ^2/NDF: 4646757228815