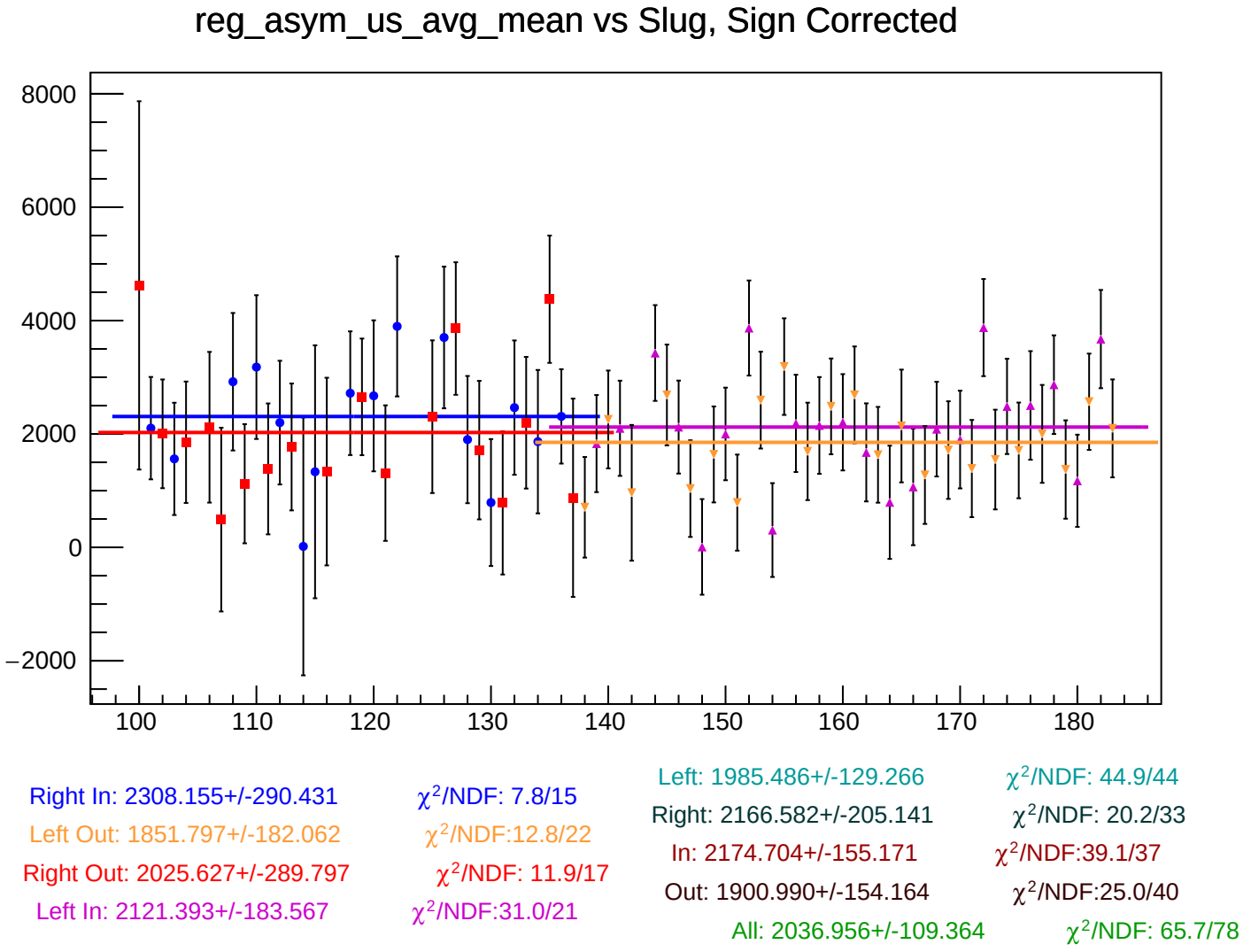
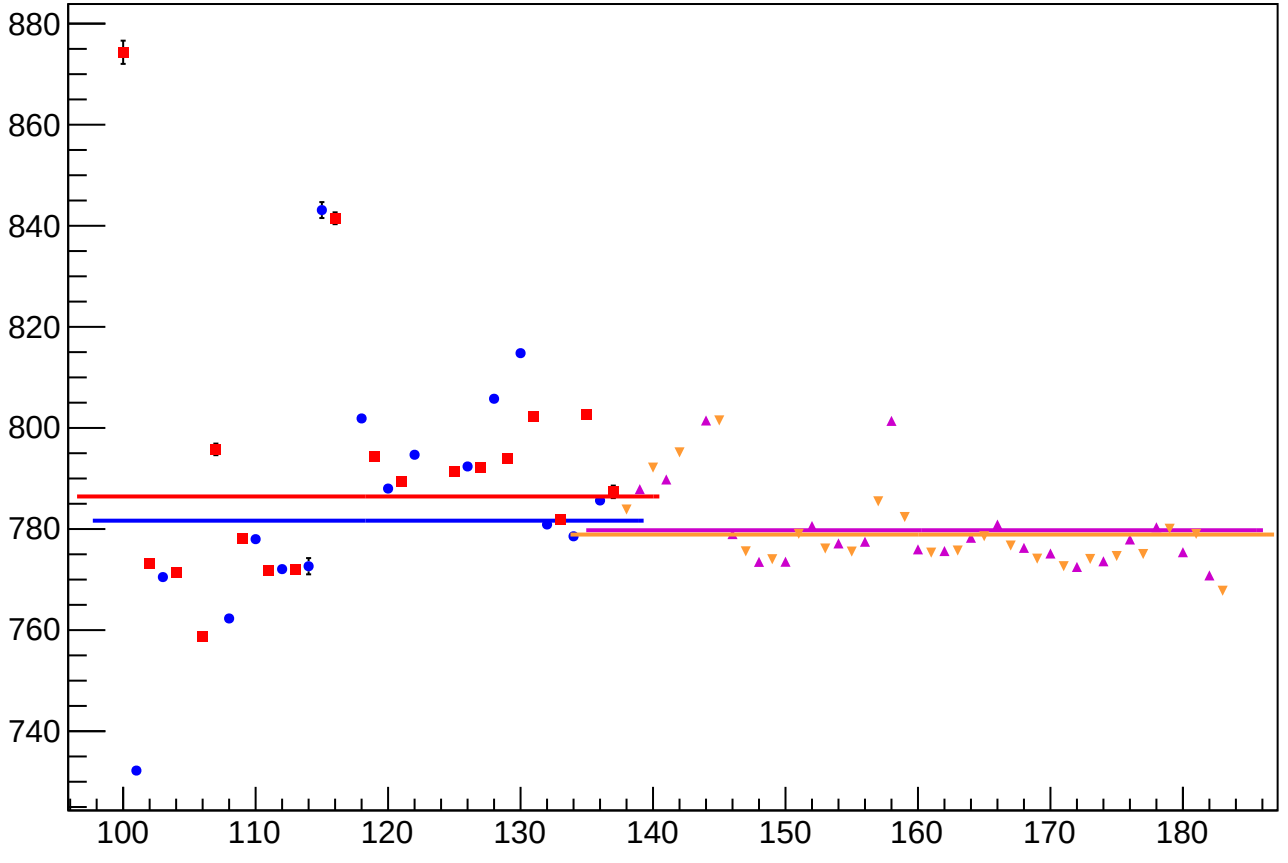

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1851.797+/-182.062
χ²/NDF:12.8/22
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 2121.393+/-183.567
χ²/NDF:31.0/21
Left: 1985.486+/-129.266
χ²/NDF: 44.9/44
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2174.704+/-155.171
χ²/NDF:39.1/37
Out: 1900.990+/-154.164
χ²/NDF:25.0/40
All: 2036.956+/-109.364
χ²/NDF: 65.7/78

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 778.909+/-0.129 χ^2/NDF:3222.1/22

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

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

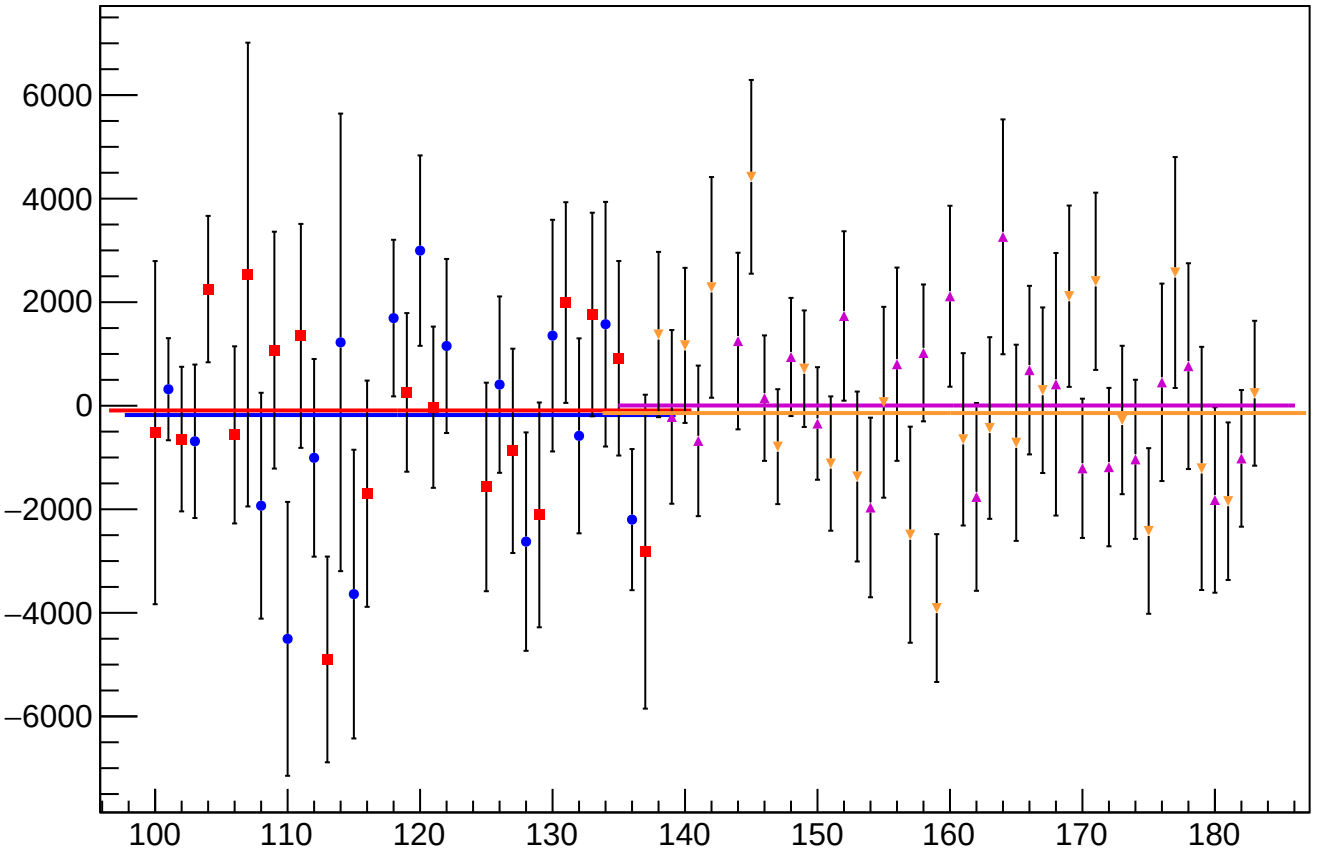
Left: 779.331+/-0.091 χ^2/NDF: 7295.4/44

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

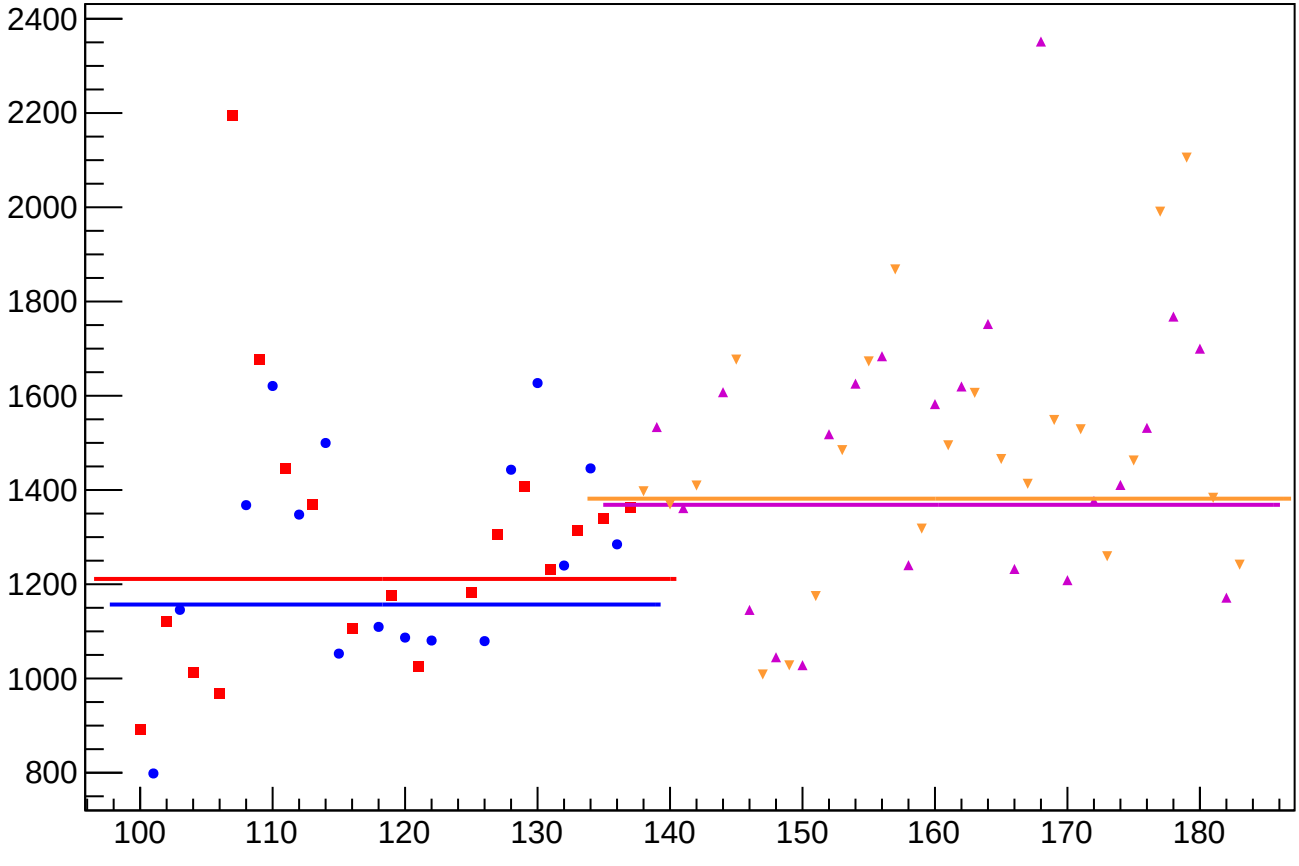
In: 780.300+/-0.110 χ^2/NDF:16431.5/37

Out: 781.041+/-0.109 χ^2/NDF:11393.0/40

All: 780.673+/-0.077 χ^2/NDF: 27847.5/78


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: -141.378+/-330.566 χ²/NDF:28.4/22
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 4.582+/-329.531 χ²/NDF:13.1/21
Left: -68.169+/-233.379 χ²/NDF: 41.6/44
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: -61.572+/-263.926 χ²/NDF:28.6/37
Out: -124.064+/-267.398 χ²/NDF:43.6/40
All: -92.410+/-187.839 χ²/NDF: 72.3/78

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1381.613+/-0.234 χ^2/NDF:1153936.1/22

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: 1375.065+/-0.165 χ^2/NDF: 2453702.2/44

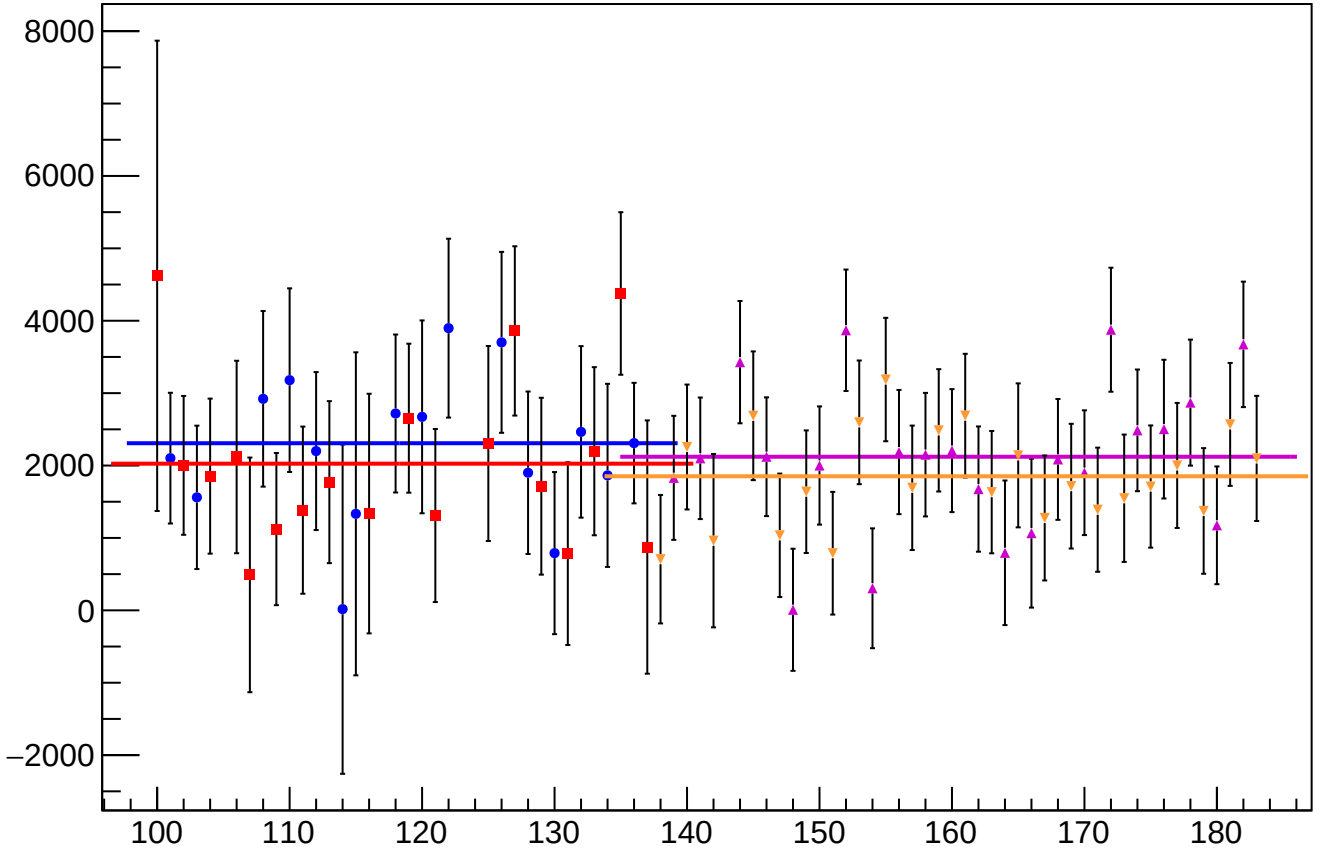
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

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

Out: 1322.729+/-0.189 χ^2/NDF:1735240.1/40

All: 1307.512+/-0.133 χ^2/NDF: 3911045.6/78

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1851.797+/-182.062 χ^2/NDF:12.8/22

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: 1985.486+/-129.266 χ^2/NDF: 44.9/44

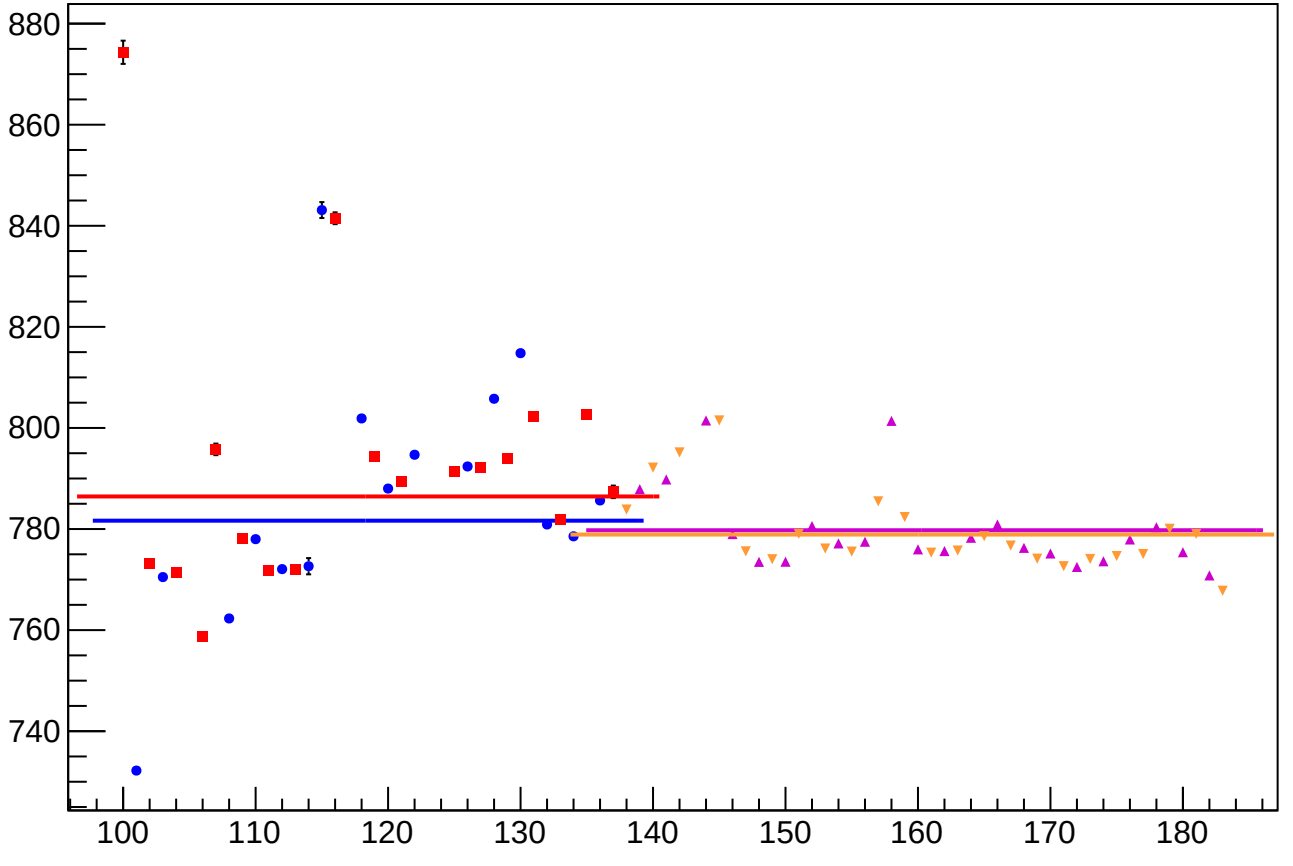
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

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

Out: 1900.990+/-154.164 χ^2/NDF:25.0/40

All: 2036.956+/-109.364 χ^2/NDF: 65.7/78

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 778.909+/-0.129 χ^2/NDF:3222.1/22

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

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

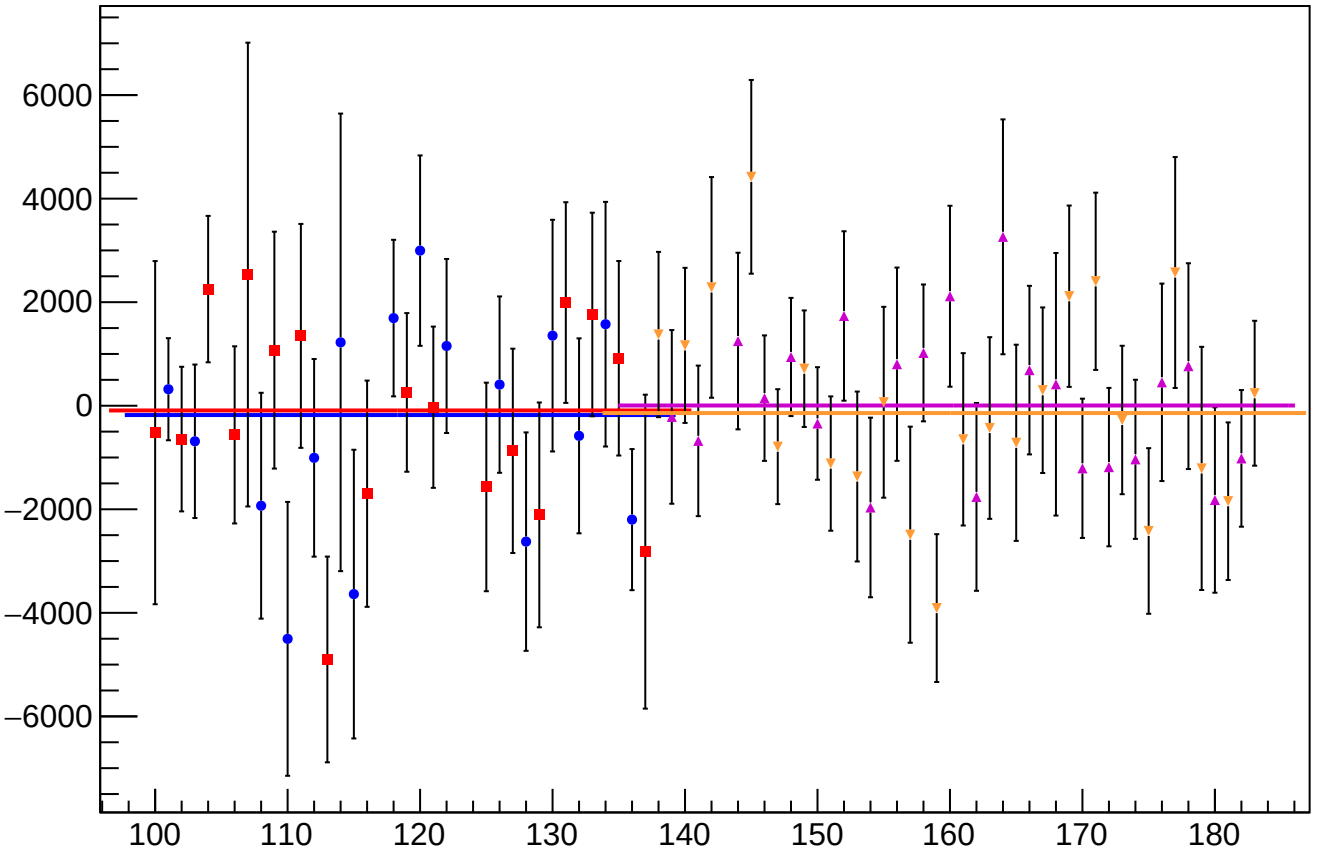
Left: 779.331+/-0.091 χ^2/NDF: 7295.4/44

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

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

Out: 781.041+/-0.109 χ^2/NDF:11393.0/40

All: 780.673+/-0.077 χ^2/NDF: 27847.5/78



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

Left Out: -141.378+/-330.566 χ^2/NDF:28.4/22

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

Left In: 4.582+/-329.531 χ^2/NDF:13.1/21

Left: -68.169+/-233.379 χ^2/NDF: 41.6/44

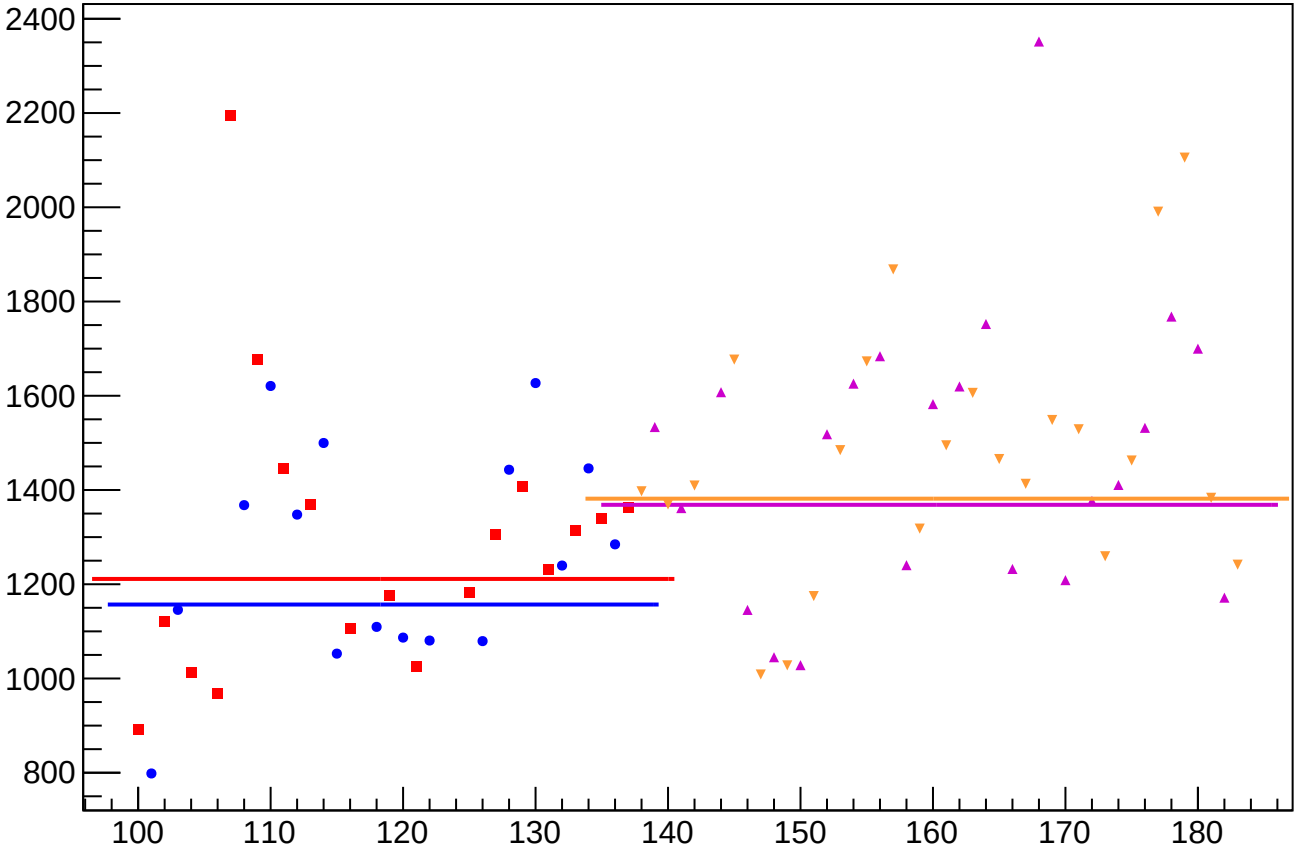
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -61.572+/-263.926 χ^2/NDF:28.6/37

Out: -124.064+/-267.398 χ^2/NDF:43.6/40

All: -92.410+/-187.839 χ^2/NDF: 72.3/78

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1381.613+/-0.234 χ^2/NDF:1153936.1/22

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: 1375.065+/-0.165 χ^2/NDF: 2453702.2/44

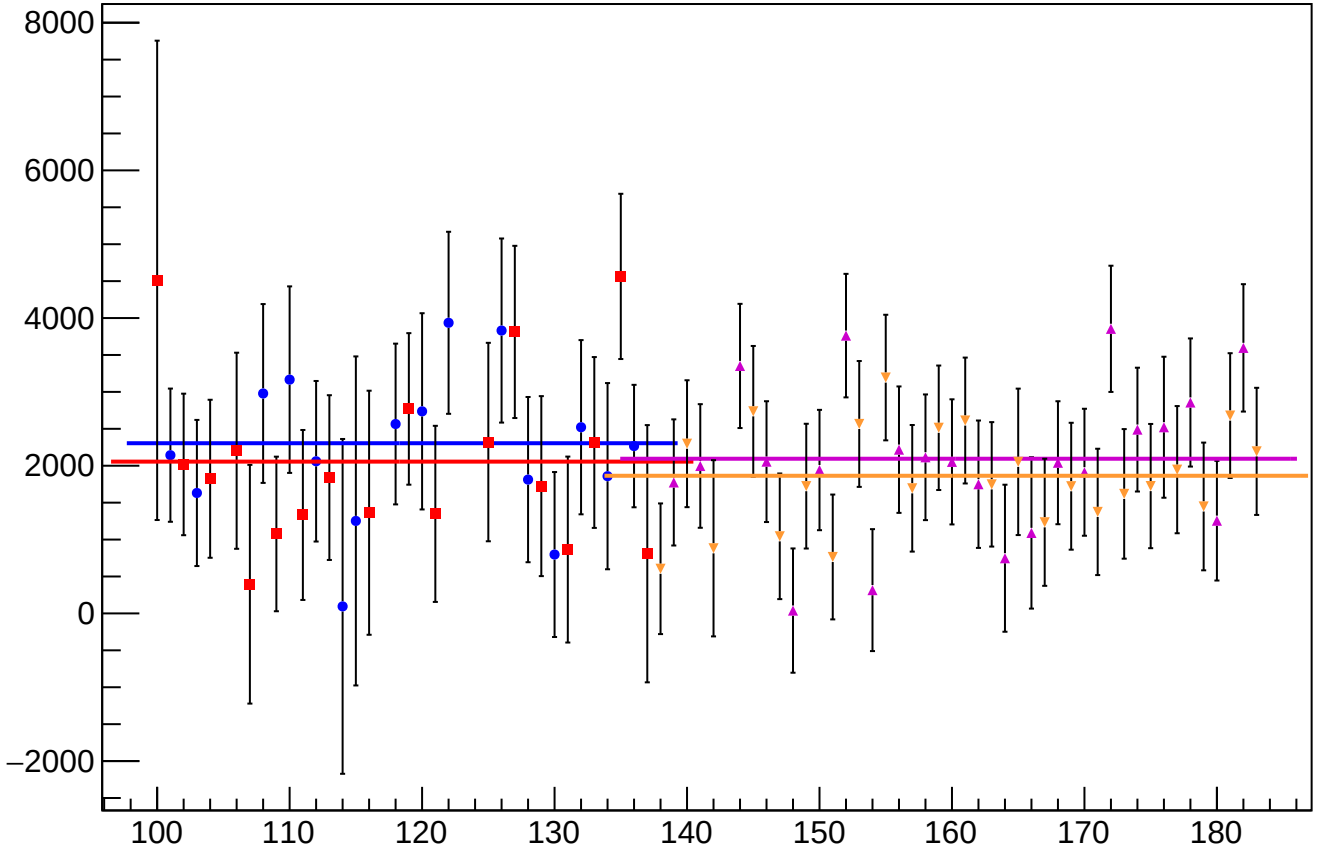
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

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

Out: 1322.729+/-0.189 χ^2/NDF:1735240.1/40

All: 1307.512+/-0.133 χ^2/NDF: 3911045.6/78

overload_cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1864.045+/-181.548 χ^2/NDF:13.5/22

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

Left In: 2094.659+/-183.060 χ^2/NDF:29.6/21

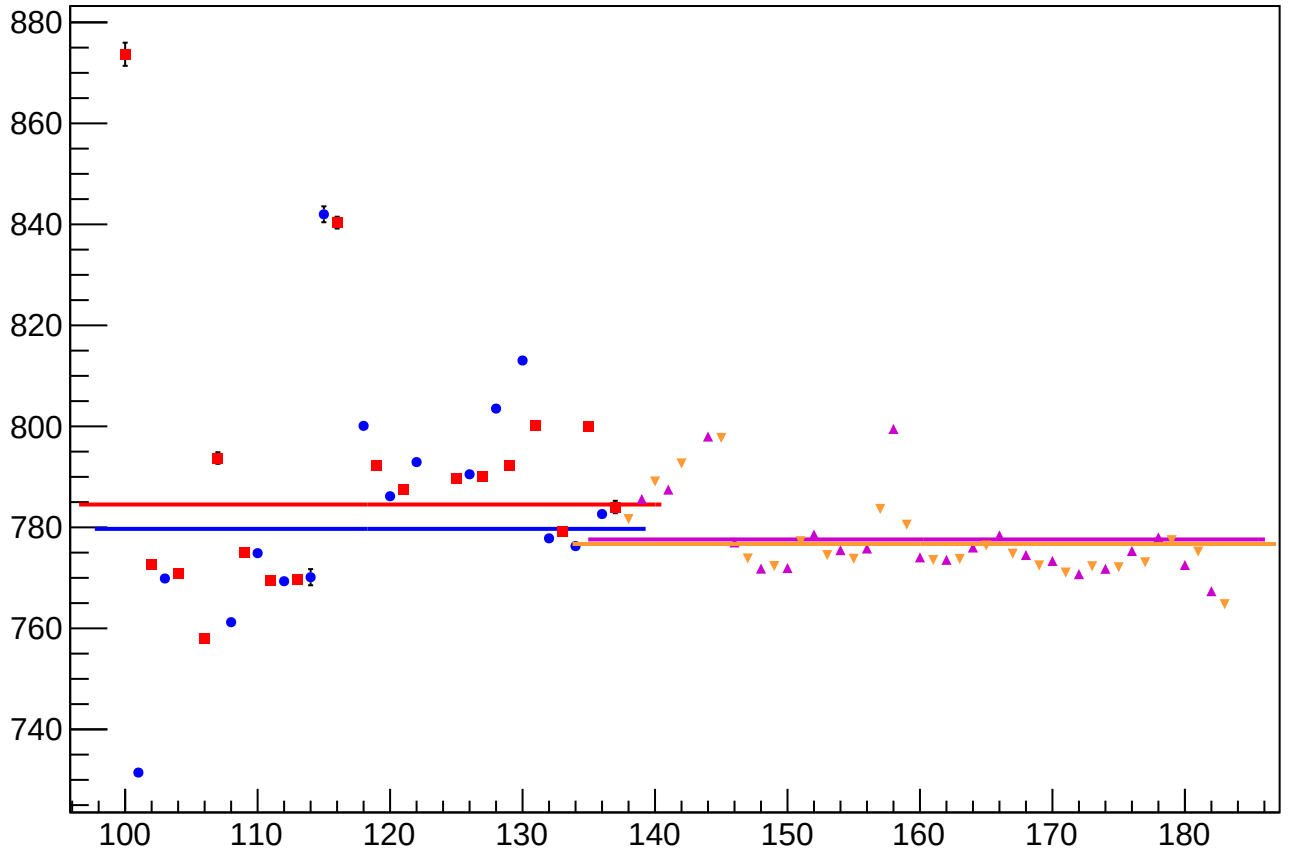
Left: 1978.396+/-128.905 χ^2/NDF: 43.8/44

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

In: 2154.637+/-154.753 χ^2/NDF:38.0/37

Out: 1918.243+/-153.745 χ^2/NDF:26.7/40

All: 2035.667+/-109.069 χ^2/NDF: 65.9/78



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

Left Out: 776.714+/-0.128 χ^2/NDF:2983.9/22

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

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

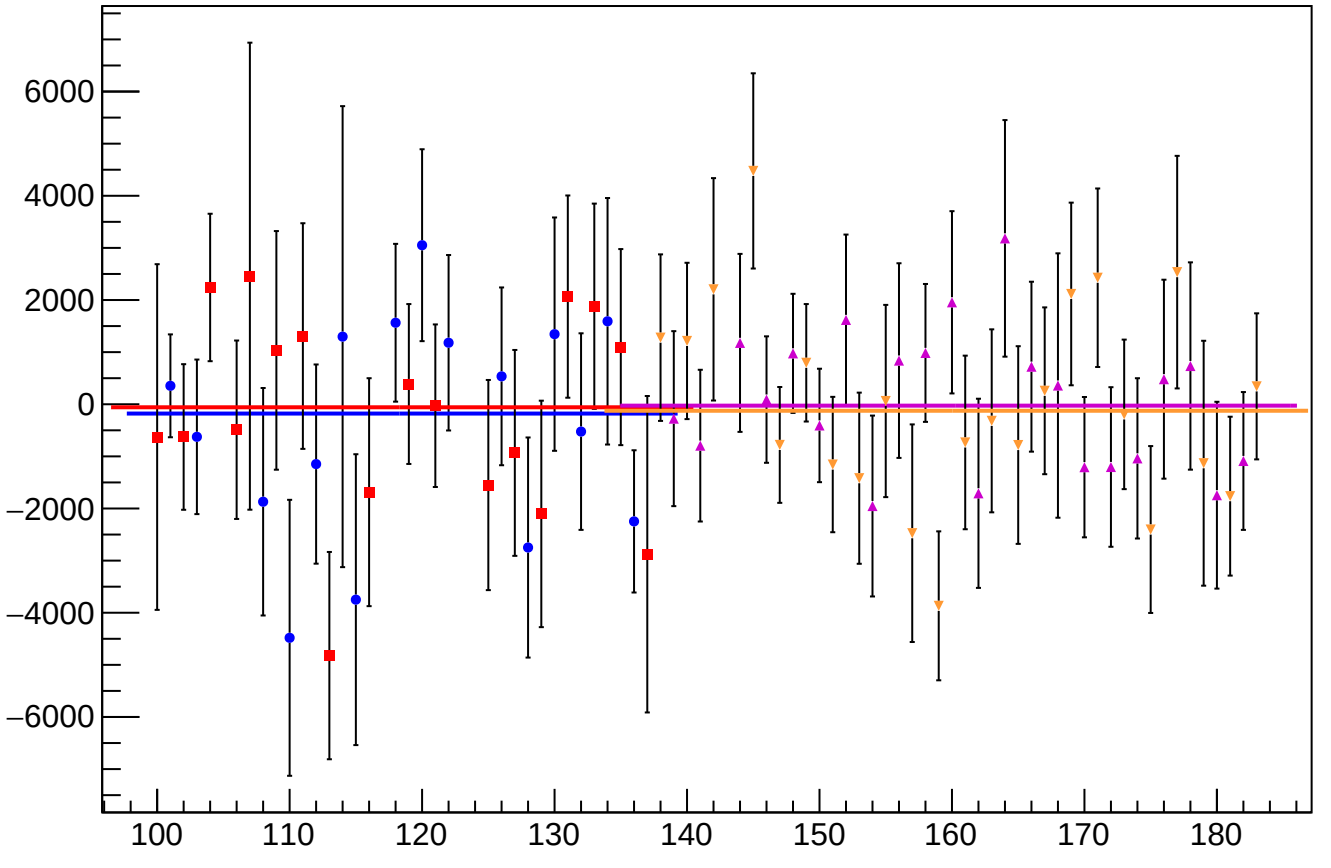
Left: 777.157+/-0.091 χ^2/NDF: 6933.6/44

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

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

Out: 778.923+/-0.109 χ^2/NDF:11190.9/40

All: 778.567+/-0.077 χ^2/NDF: 27273.1/78



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

Left Out: -124.601+/-330.887 χ^2/NDF:28.3/22

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: -75.483+/-233.603 χ^2/NDF: 41.0/44

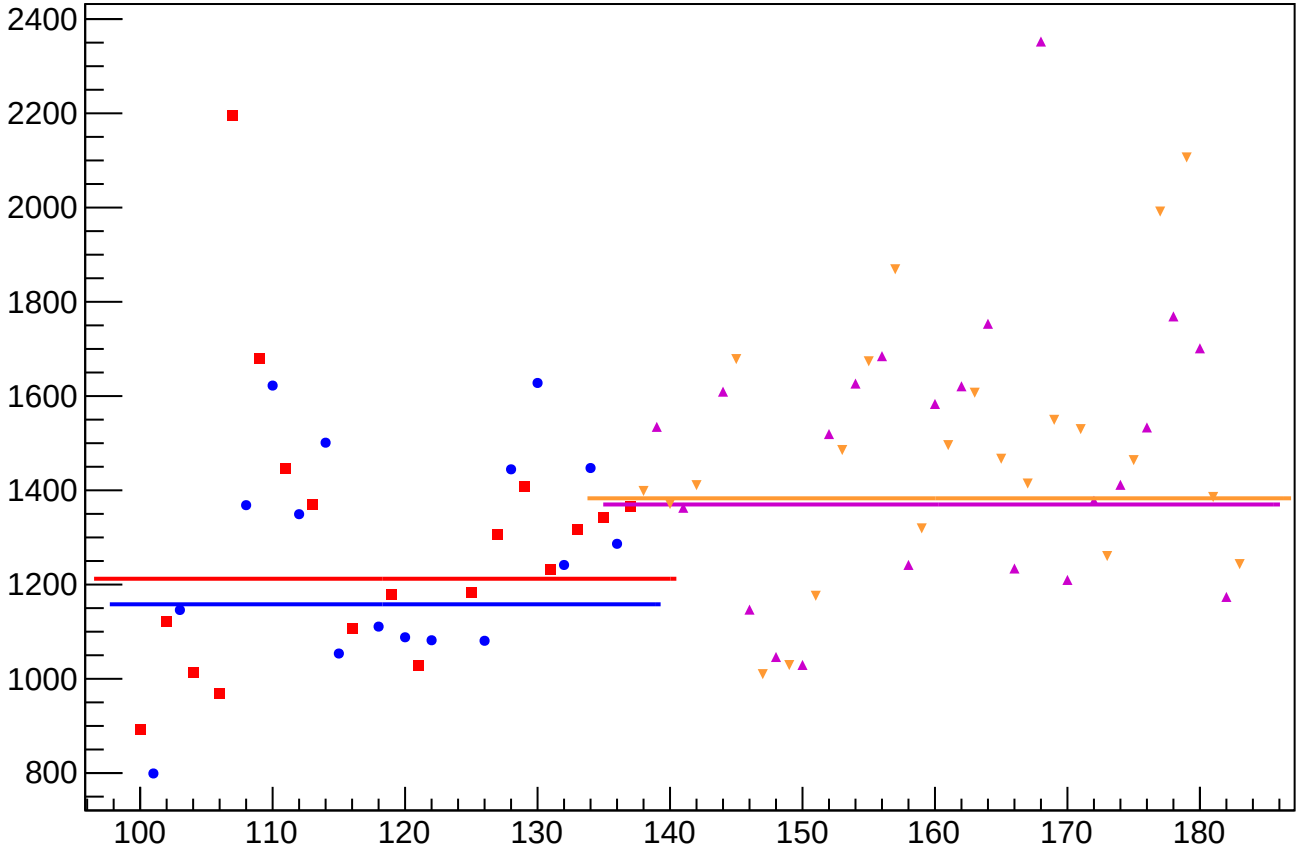
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: -81.089+/-264.183 χ^2/NDF:28.5/37

Out: -101.591+/-267.650 χ^2/NDF:43.6/40

All: -91.206+/-188.020 χ^2/NDF: 72.0/78

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: 1383.038+/-0.234 χ^2/NDF:1150876.2/22

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

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

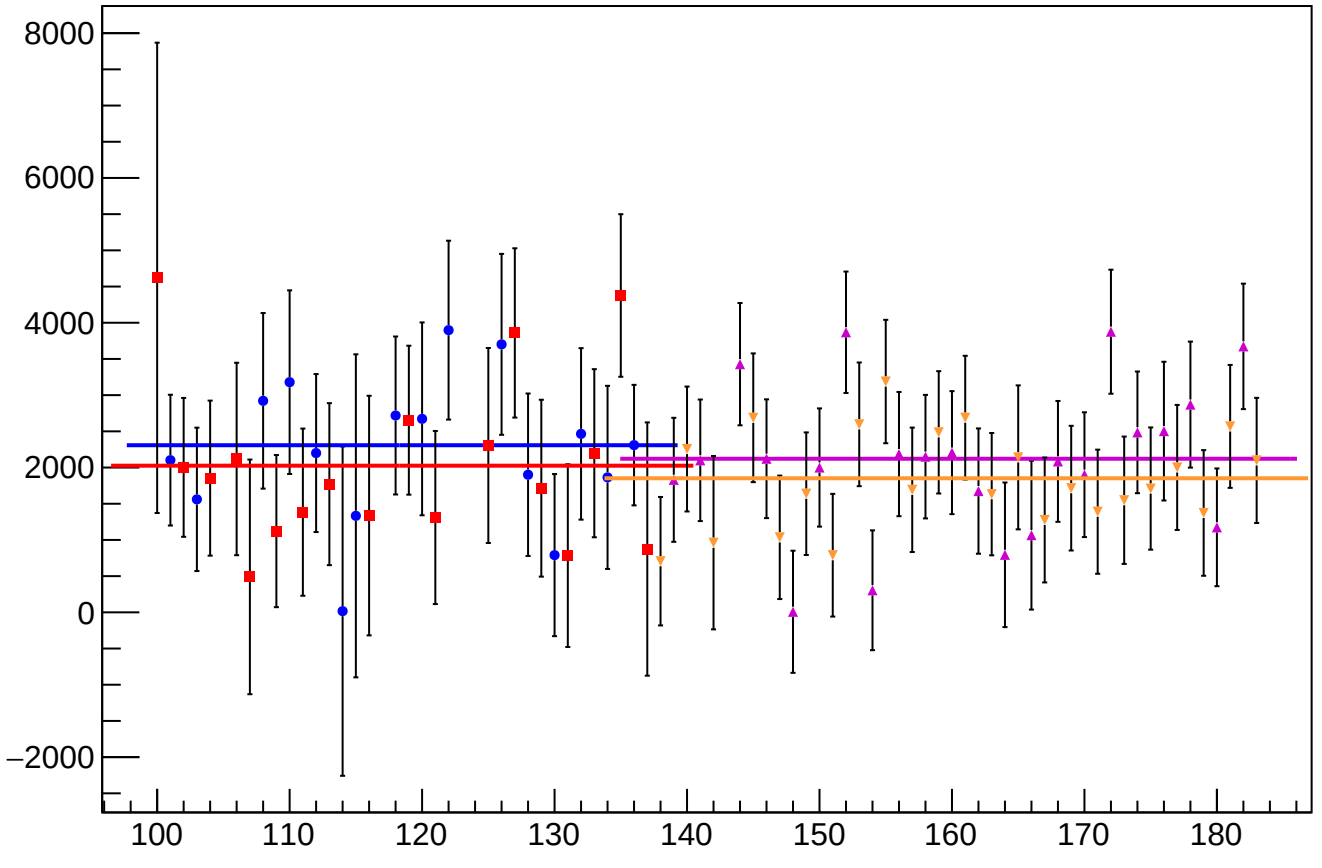
Left: 1376.471+/-0.165 χ^2/NDF: 2447315.7/44

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

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

Out: 1324.030+/-0.189 χ^2/NDF:1732805.0/40

All: 1308.823+/-0.133 χ^2/NDF: 3905235.3/78



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

Left Out: 1851.797+/-182.062 χ^2/NDF:12.8/22

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

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

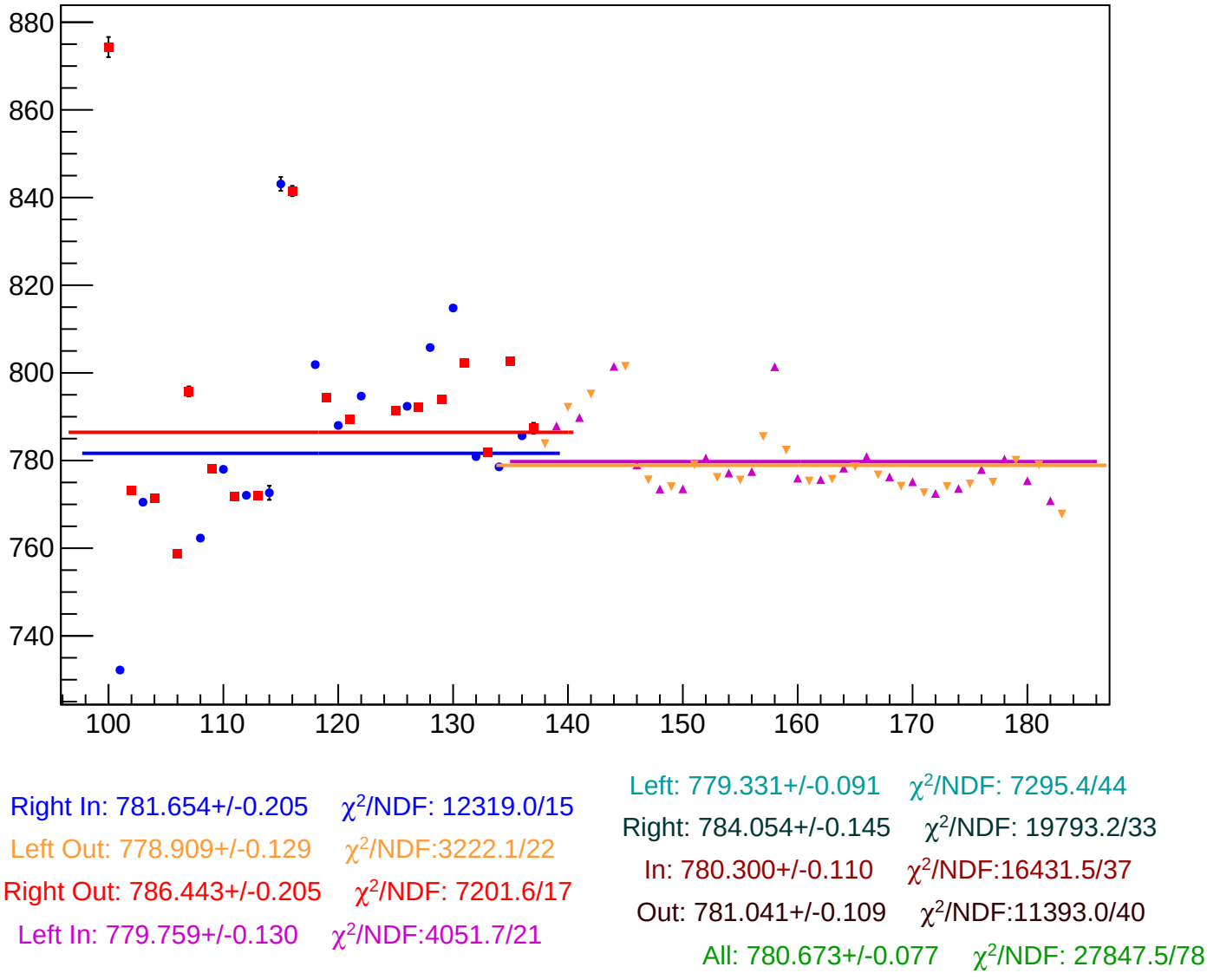
Left: 1985.486+/-129.266 χ^2/NDF: 44.9/44

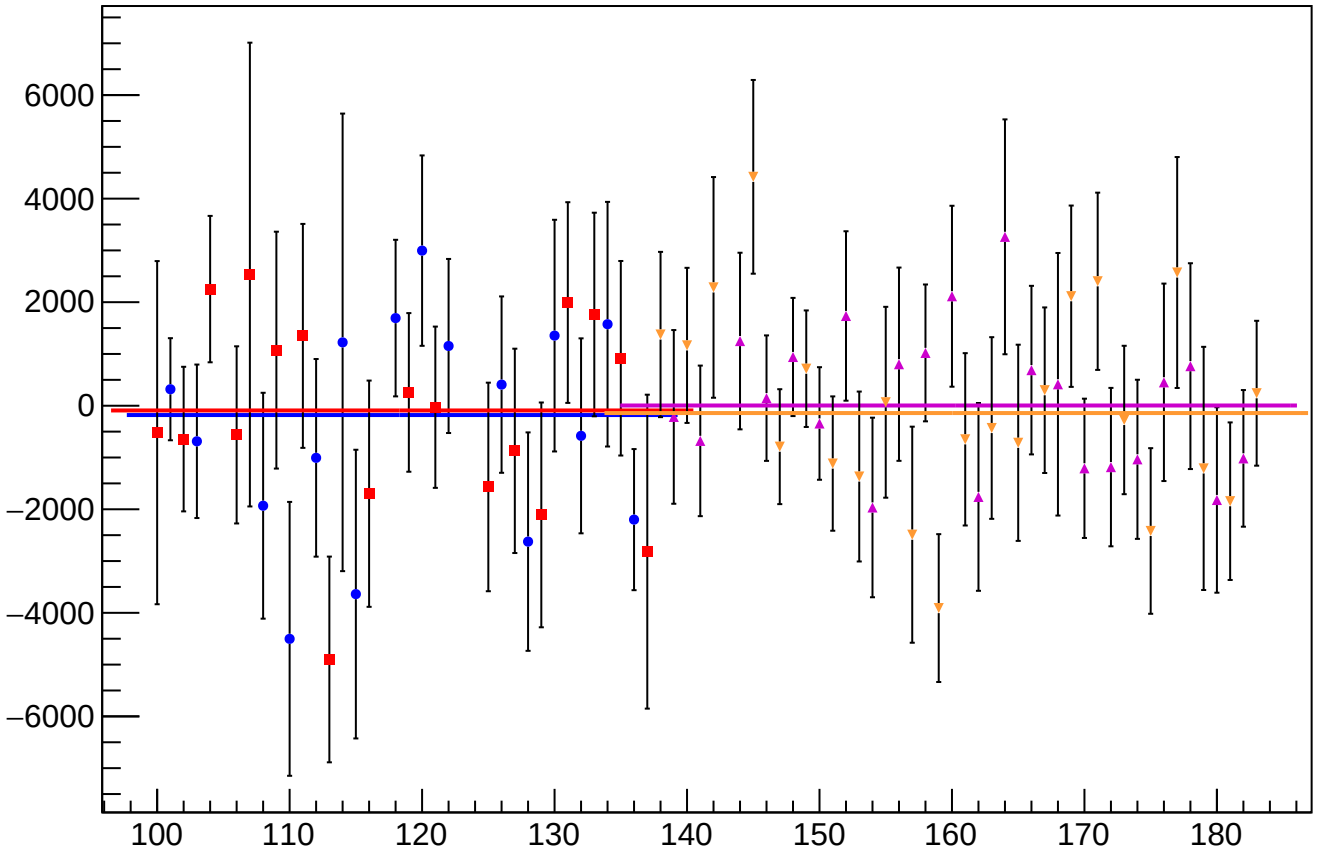
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

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

Out: 1900.990+/-154.164 χ^2/NDF:25.0/40

All: 2036.956+/-109.364 χ^2/NDF: 65.7/78


eigen_cor_asym_us_avg_rms vs Slug, Sign Corrected
880
860
840
820
800
780
760
740
100
110
120
130
140
150
160
170
180
Right In: 781.654+/-0.205 χ²/NDF: 12319.0/15
Left Out: 778.909+/-0.129 χ²/NDF:3222.1/22
Right Out: 786.443+/-0.205 χ²/NDF: 7201.6/17
Left In: 779.759+/-0.130 χ²/NDF:4051.7/21
Left: 779.331+/-0.091 χ²/NDF: 7295.4/44
Right: 784.054+/-0.145 χ²/NDF: 19793.2/33
In: 780.300+/-0.110 χ²/NDF:16431.5/37
Out: 781.041+/-0.109 χ²/NDF:11393.0/40
All: 780.673+/-0.077 χ²/NDF: 27847.5/78



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

Left Out: -141.378+/-330.566 χ^2/NDF:28.4/22

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

Left In: 4.582+/-329.531 χ^2/NDF:13.1/21

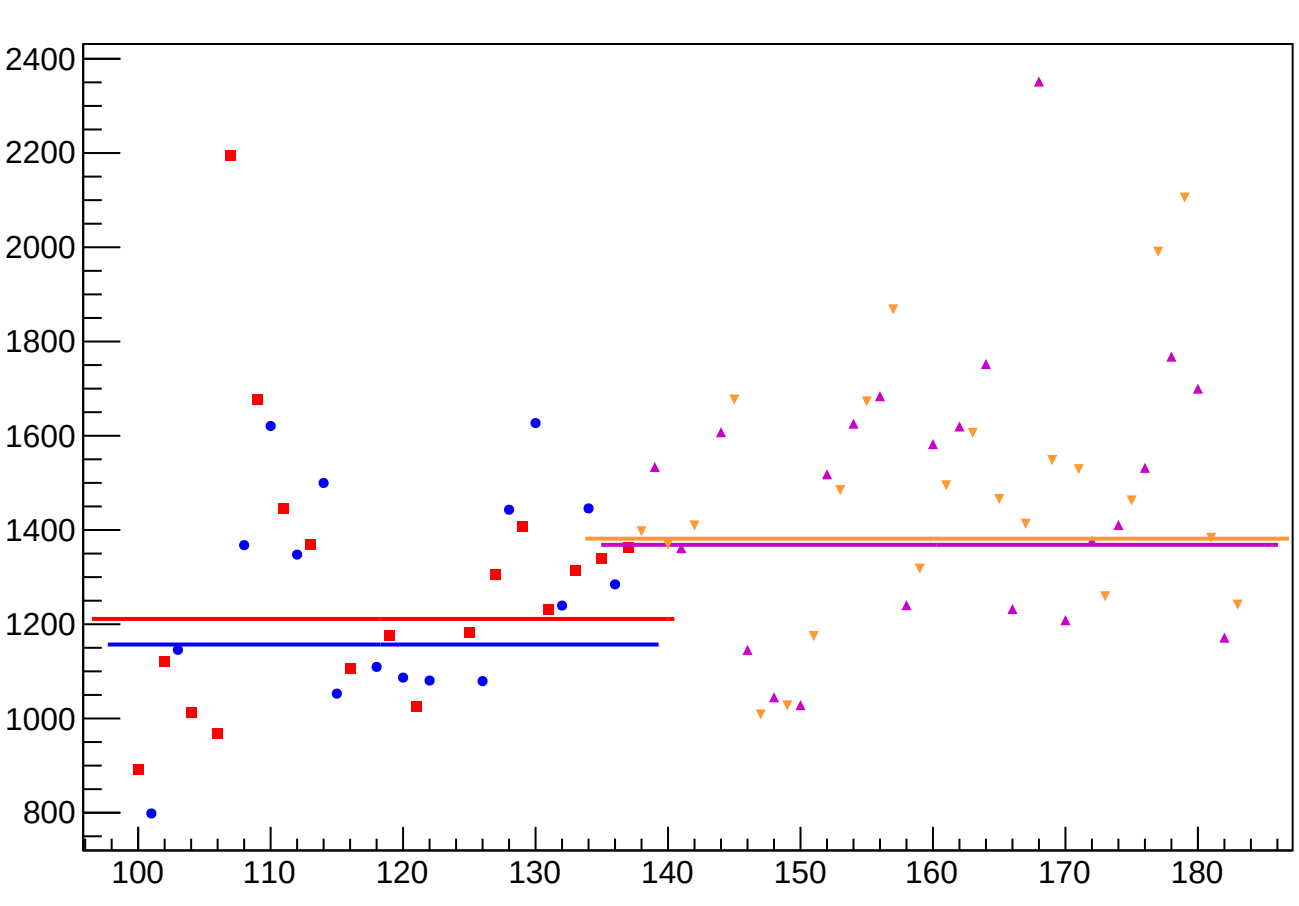
Left: -68.169+/-233.379 χ^2/NDF: 41.6/44

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

In: -61.572+/-263.926 χ^2/NDF:28.6/37

Out: -124.064+/-267.398 χ^2/NDF:43.6/40

All: -92.410+/-187.839 χ^2/NDF: 72.3/78



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

Left Out: 1381.613+/-0.234 χ^2/NDF:1153936.1/22

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: 1375.065+/-0.165 χ^2/NDF: 2453702.2/44

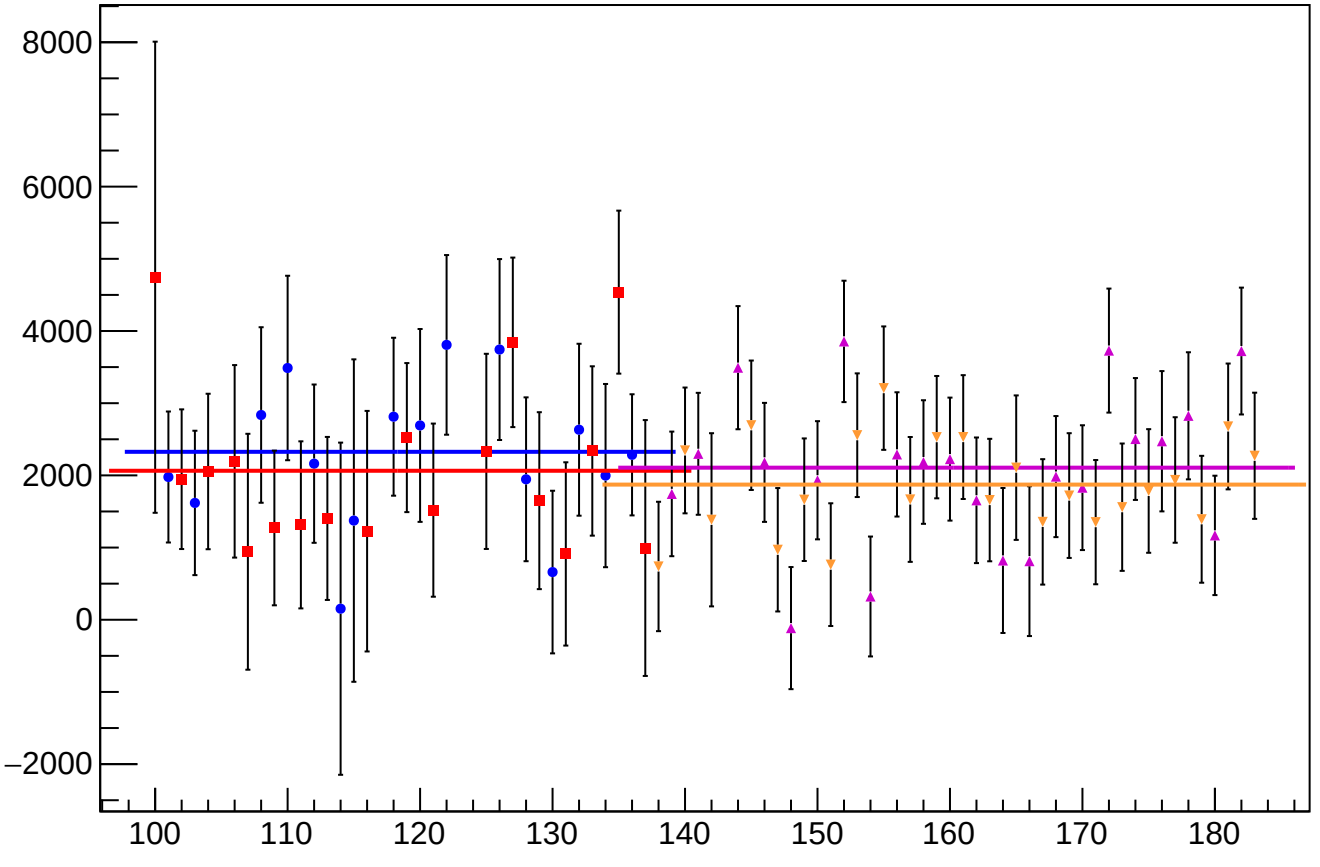
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

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

Out: 1322.729+/-0.189 χ^2/NDF:1735240.1/40

All: 1307.512+/-0.133 χ^2/NDF: 3911045.6/78

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1872.330+/-183.322 χ^2/NDF:12.5/22

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

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

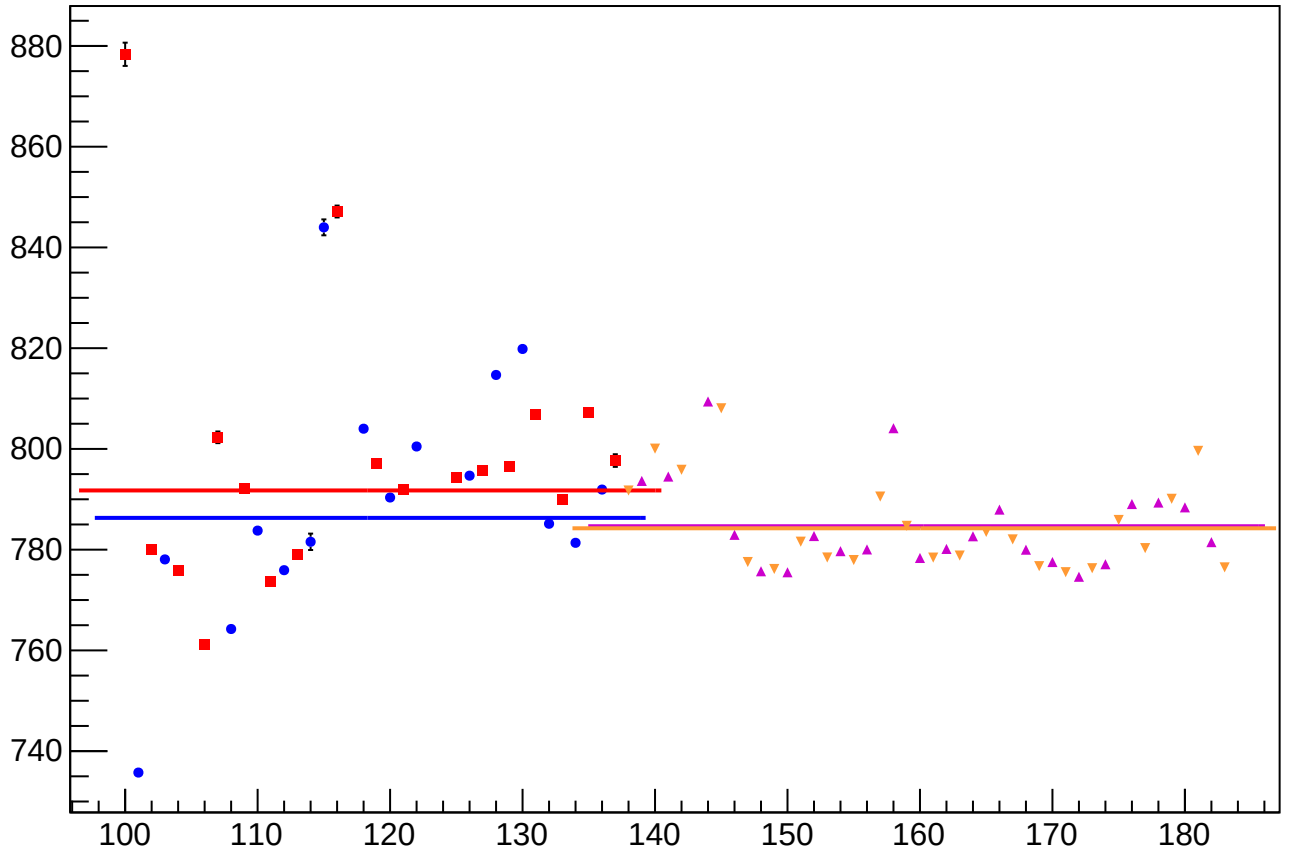
Left: 1988.656+/-130.122 χ^2/NDF: 45.0/44

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

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

Out: 1926.568+/-155.228 χ^2/NDF:24.4/40

All: 2047.325+/-110.083 χ^2/NDF: 65.9/78



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

Left Out: 784.242+/-0.130 χ^2/NDF:4651.9/22

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

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

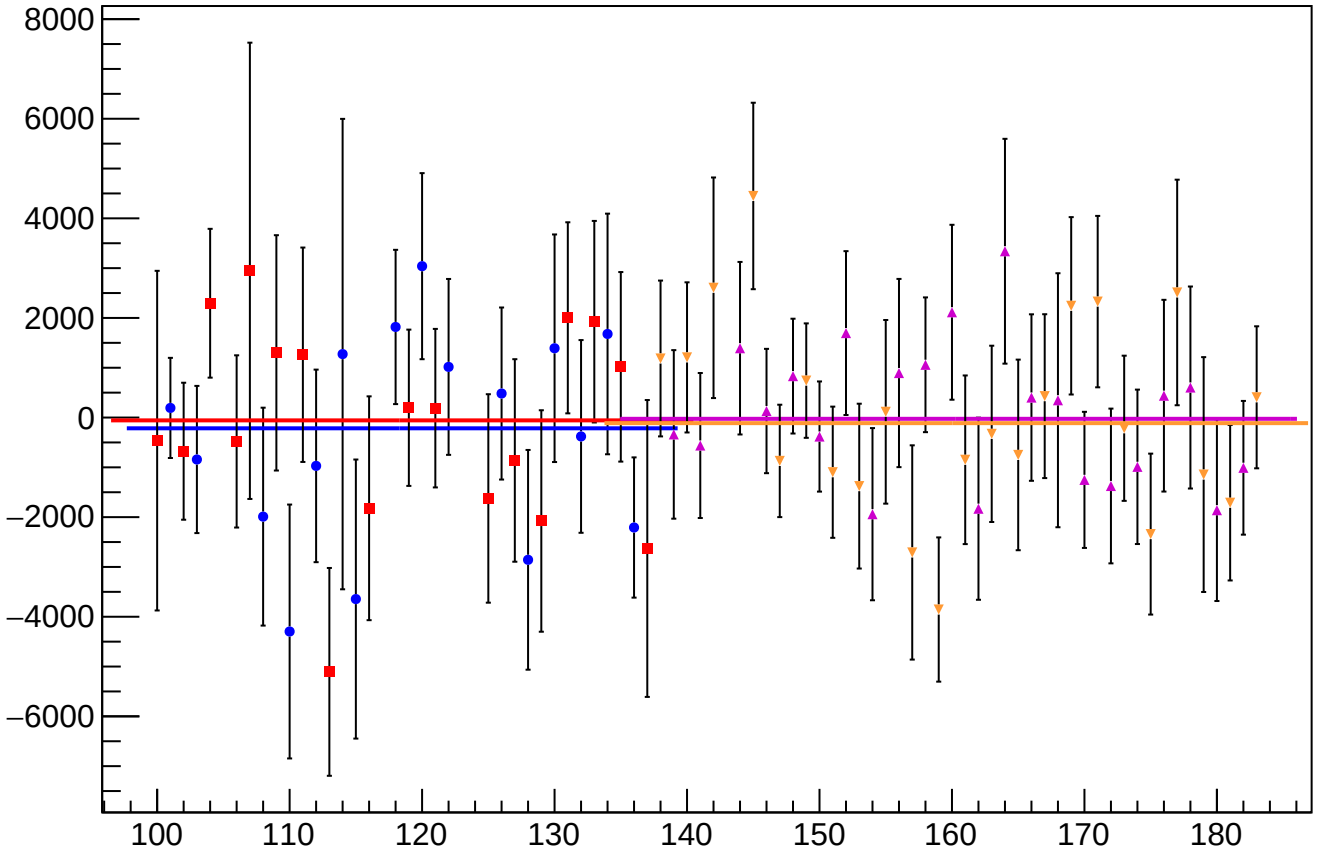
Left: 784.445+/-0.092 χ^2/NDF: 9472.1/44

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

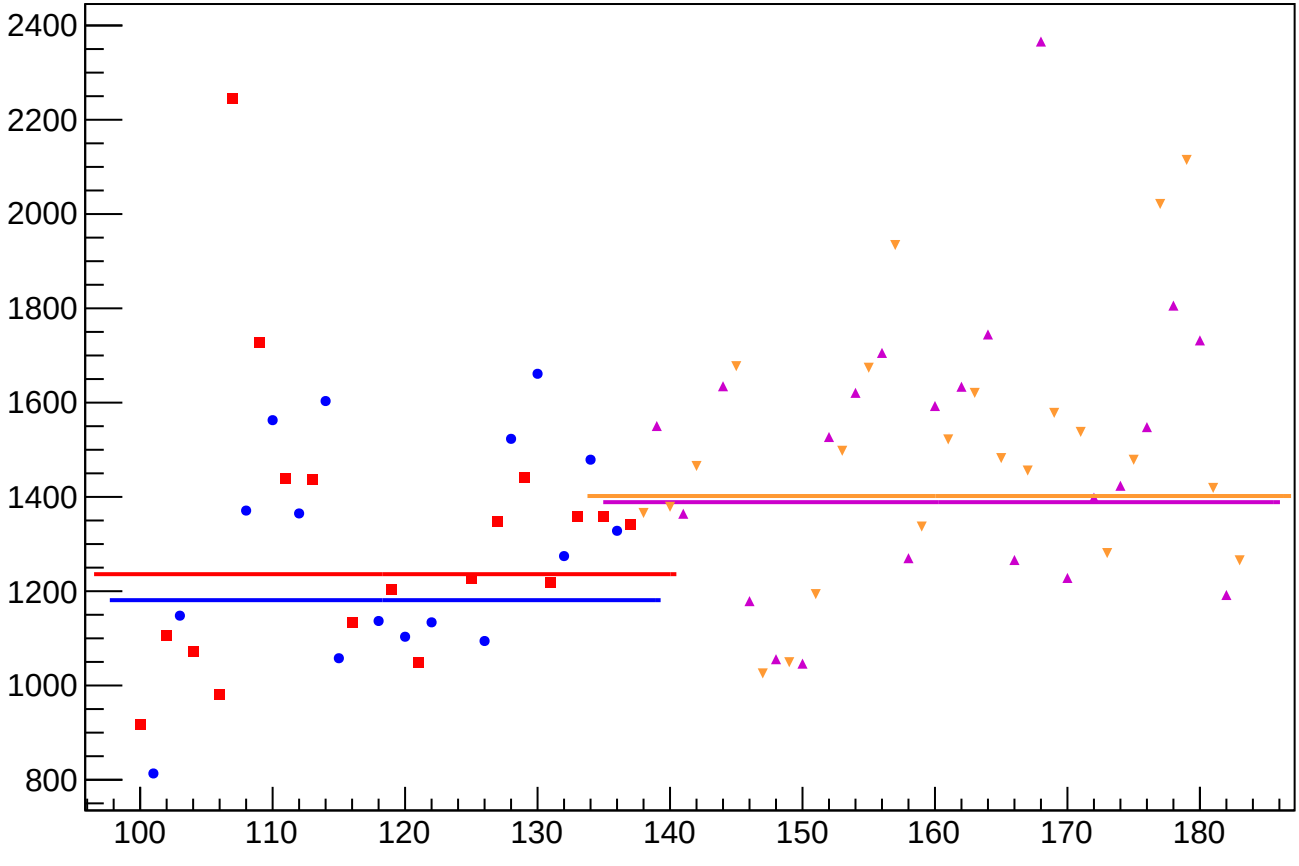
In: 785.125+/-0.110 χ^2/NDF:17432.3/37

Out: 786.369+/-0.110 χ^2/NDF:12618.0/40

All: 785.750+/-0.078 χ^2/NDF: 30114.1/78


asym_us_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -216.184+/-449.537 χ²/NDF: 15.3/15
Left Out: -112.401+/-335.135 χ²/NDF:28.0/22
Right Out: -56.784+/-463.978 χ²/NDF: 15.1/17
Left In: -25.511+/-334.042 χ²/NDF:13.1/21
Left: -68.814+/-236.589 χ²/NDF: 41.2/44
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: -93.341+/-268.122 χ²/NDF:28.5/37
Out: -93.333+/-271.676 χ²/NDF:43.1/40
All: -93.337+/-190.835 χ²/NDF: 71.7/78

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1401.900+/-0.237 χ^2/NDF:1131498.0/22

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

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

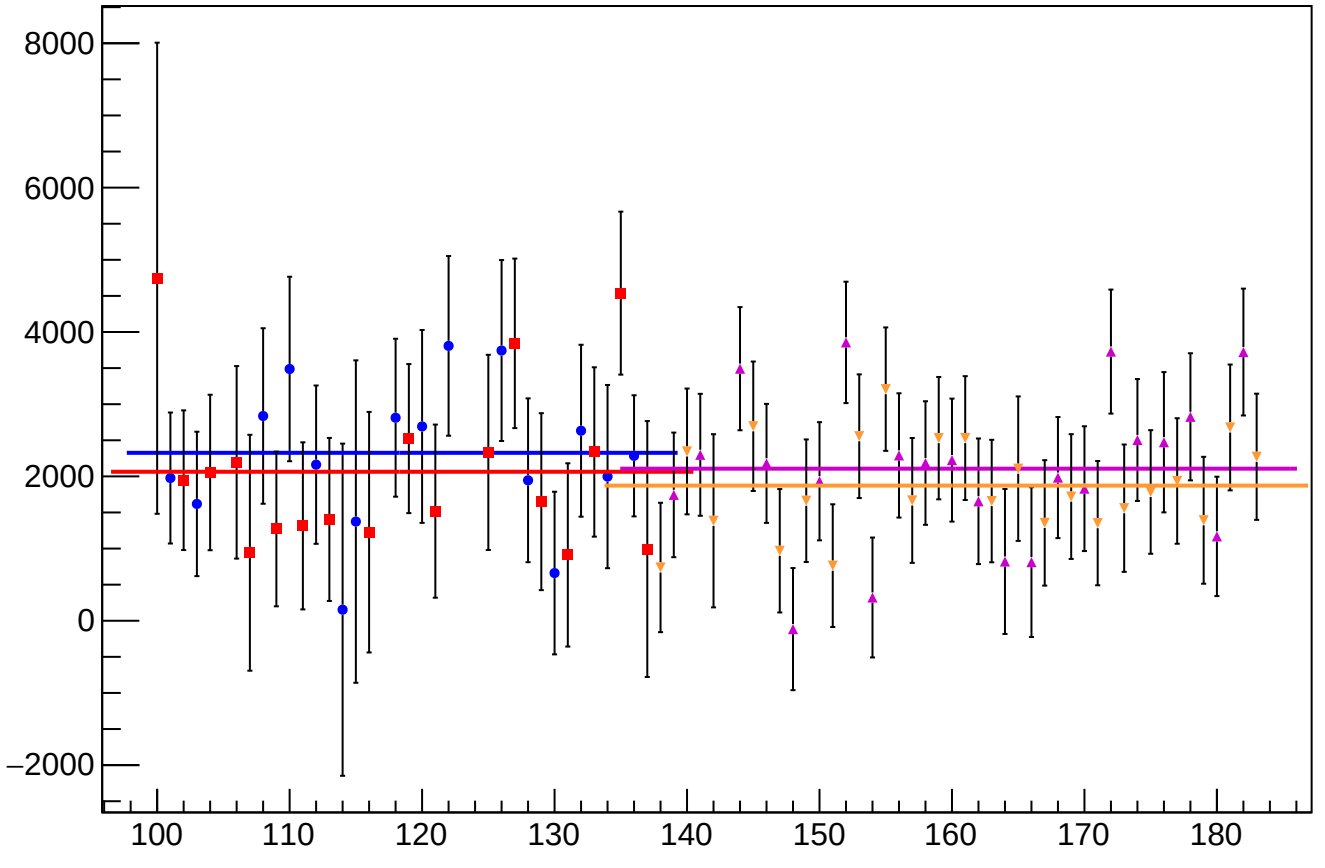
Left: 1395.363+/-0.167 χ^2/NDF: 2386805.8/44

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

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

Out: 1345.067+/-0.192 χ^2/NDF:1696500.7/40

All: 1329.795+/-0.135 χ^2/NDF: 3809391.7/78



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

Left Out: 1872.328+/-183.322 χ^2/NDF:12.5/22

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

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

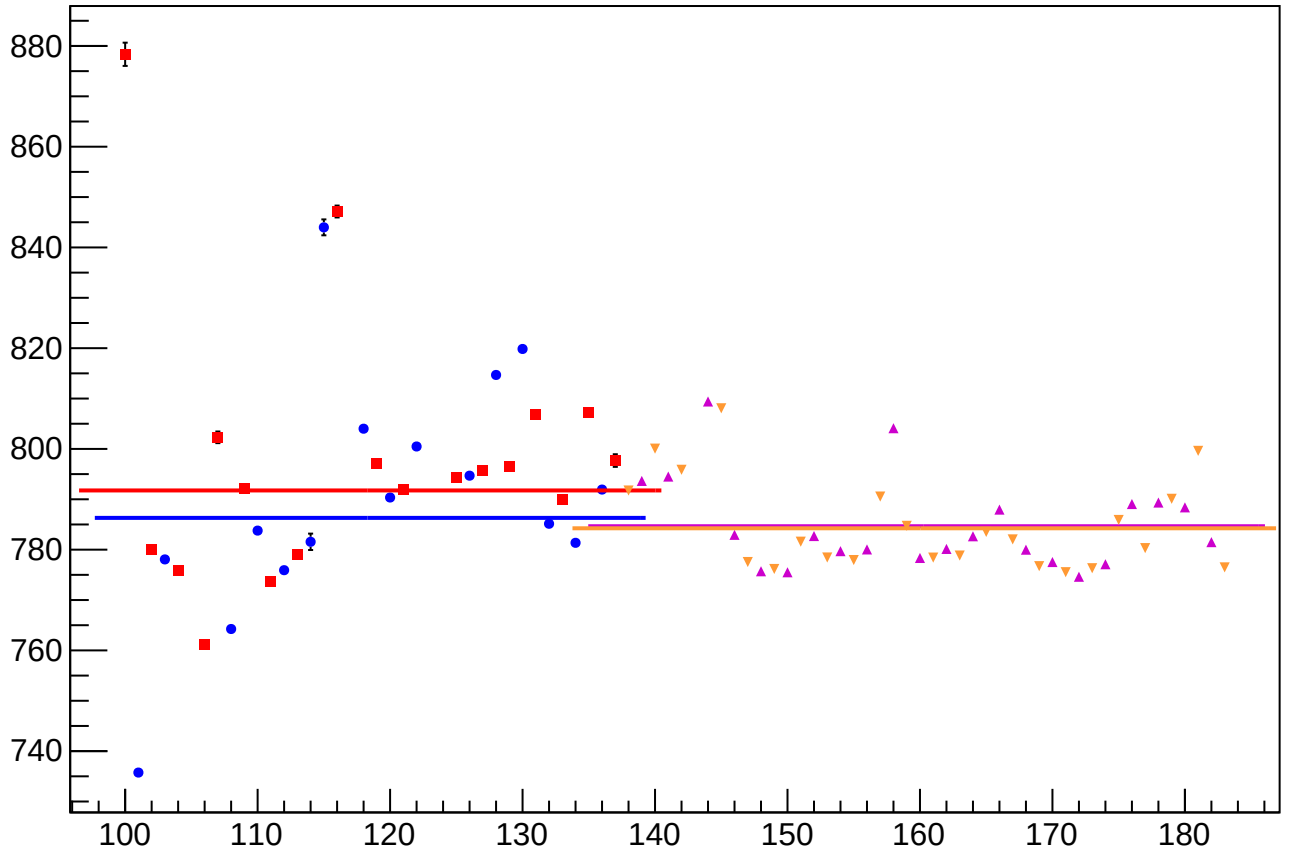
Left: 1988.655+/-130.122 χ^2/NDF: 45.0/44

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

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

Out: 1926.566+/-155.228 χ^2/NDF:24.4/40

All: 2047.325+/-110.083 χ^2/NDF: 65.9/78



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

Left Out: 784.242+/-0.130 χ^2/NDF:4651.9/22

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

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

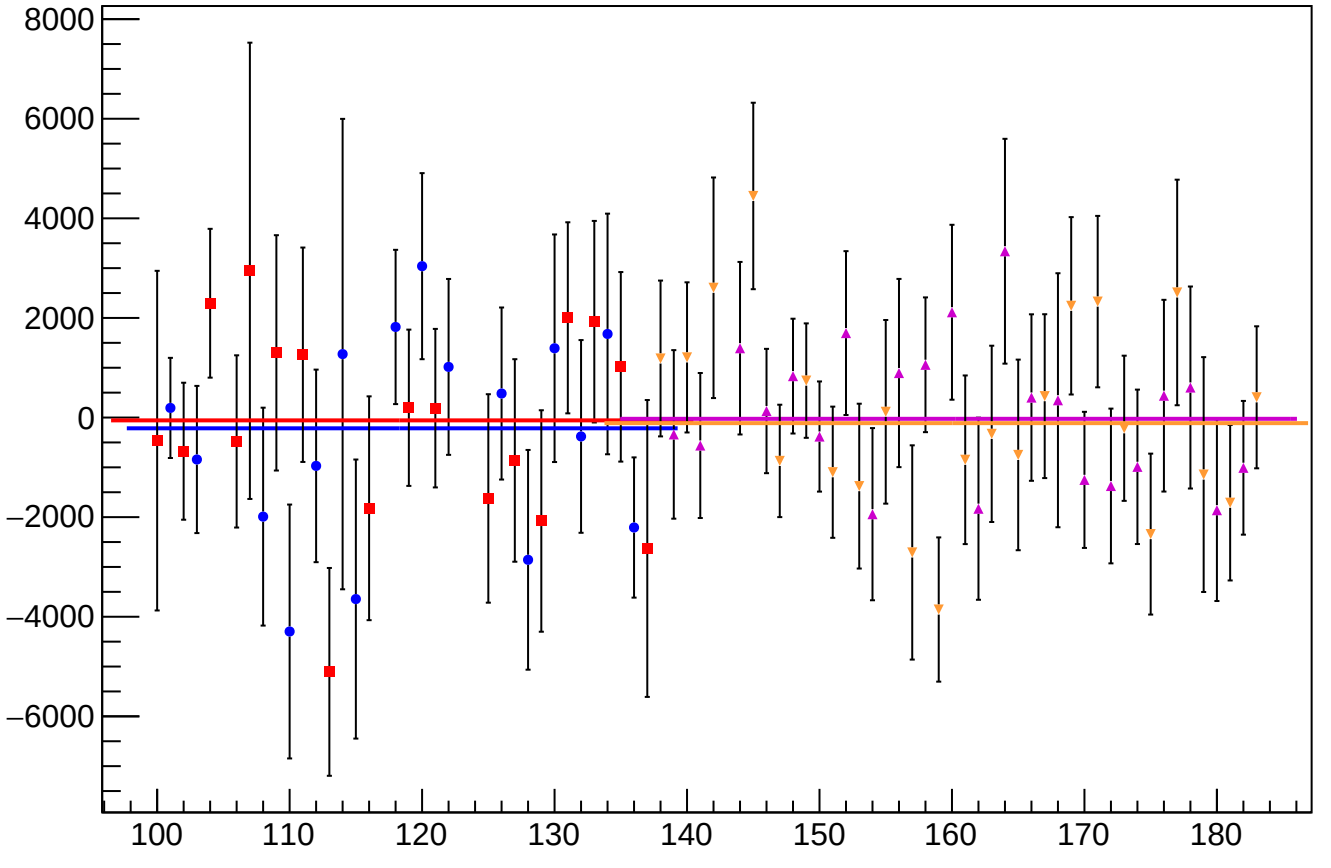
Left: 784.445+/-0.092 χ^2/NDF: 9472.1/44

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

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

Out: 786.369+/-0.110 χ^2/NDF:12617.9/40

All: 785.750+/-0.078 χ^2/NDF: 30114.0/78



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

Left Out: -112.405+/-335.136 χ^2/NDF:28.0/22

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

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

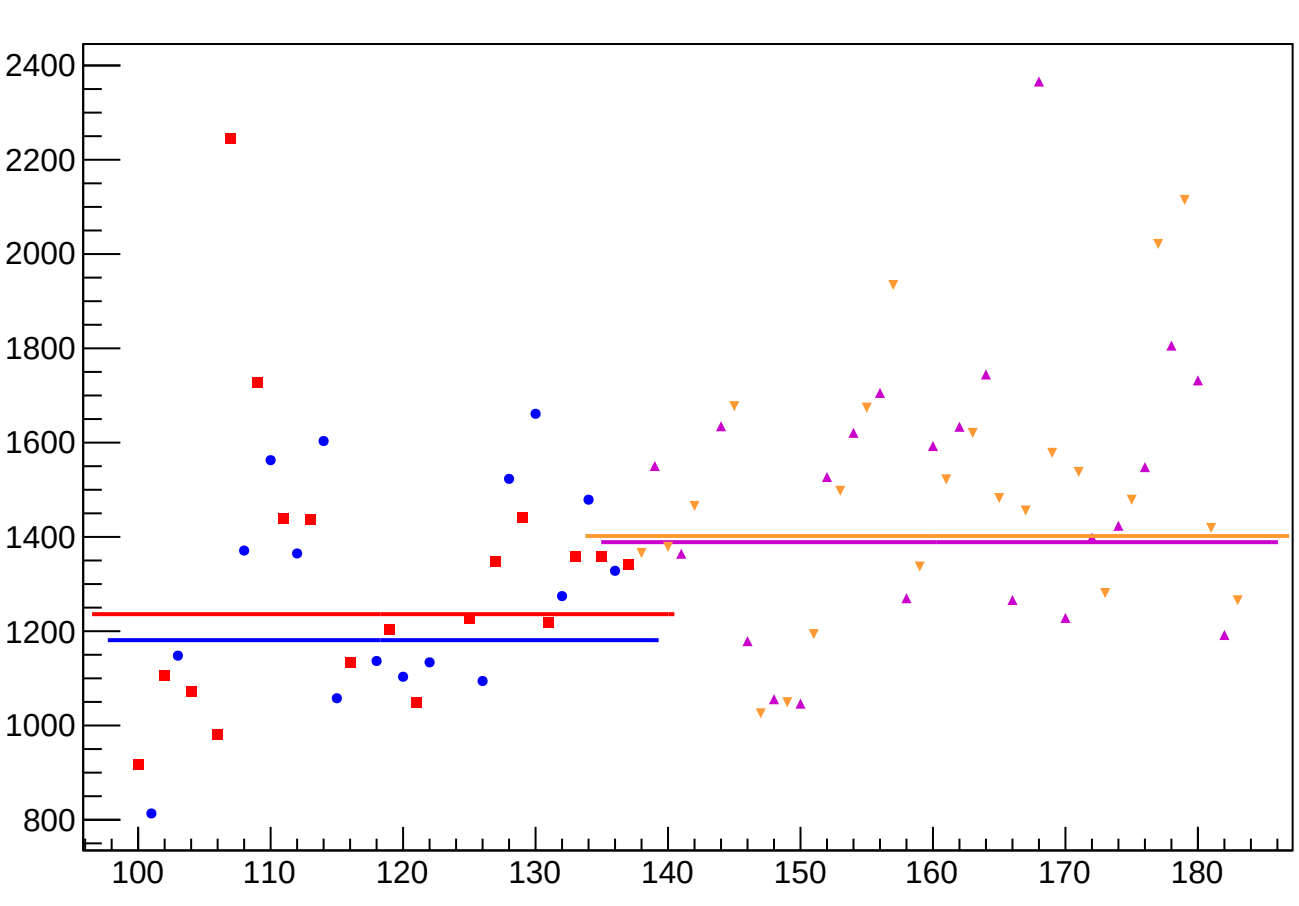
Left: -68.816+/-236.589 χ^2/NDF: 41.2/44

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

In: -93.341+/-268.122 χ^2/NDF:28.5/37

Out: -93.335+/-271.676 χ^2/NDF:43.1/40

All: -93.338+/-190.835 χ^2/NDF: 71.7/78



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

Left Out: 1401.903+/-0.237 χ^2/NDF:1131499.2/22

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: 1395.366+/-0.167 χ^2/NDF: 2386807.6/44

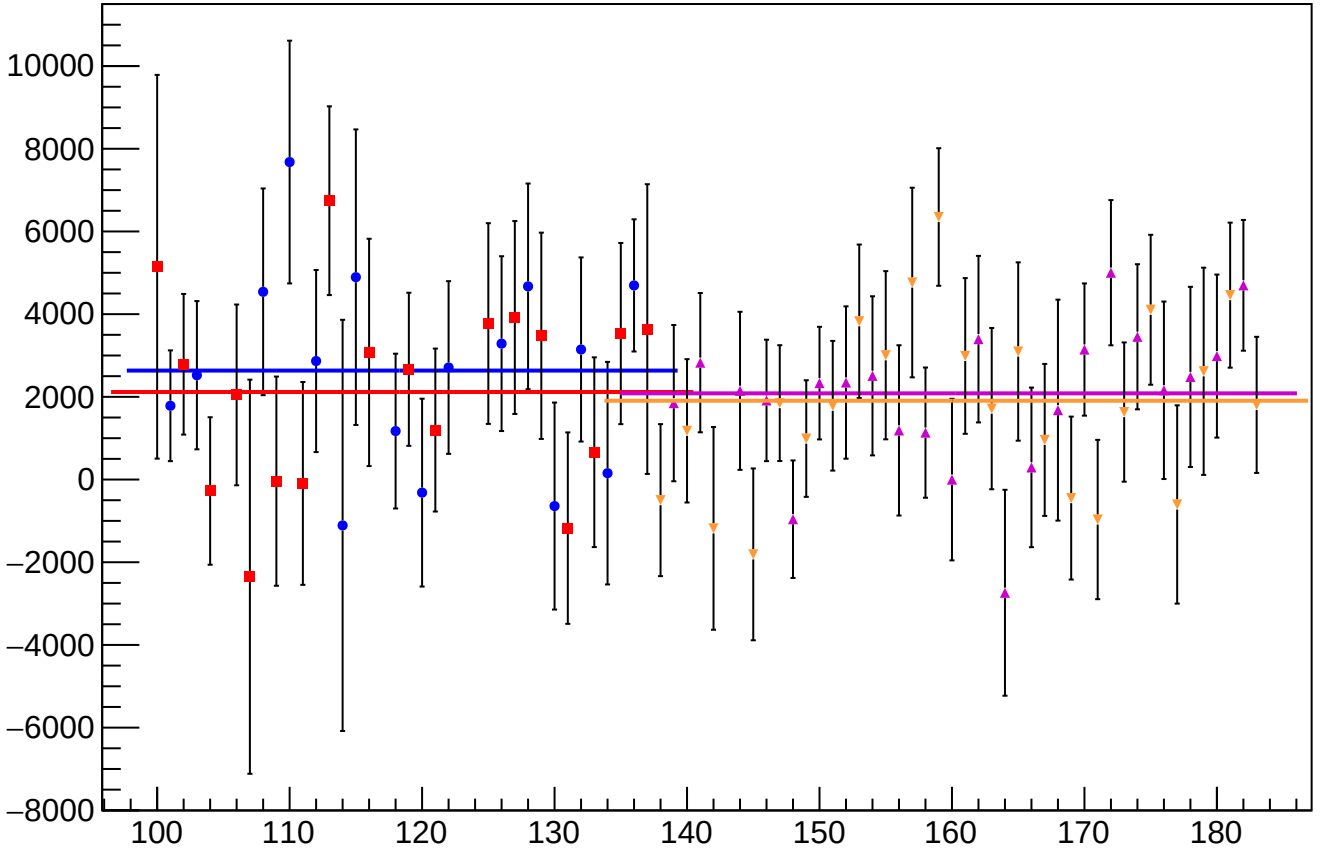
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

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

Out: 1345.067+/-0.192 χ^2/NDF:1696512.8/40

All: 1329.796+/-0.135 χ^2/NDF: 3809417.6/78

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1906.189+/-383.568 χ^2/NDF:26.5/22

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: 1995.489+/-271.080 χ^2/NDF: 45.1/44

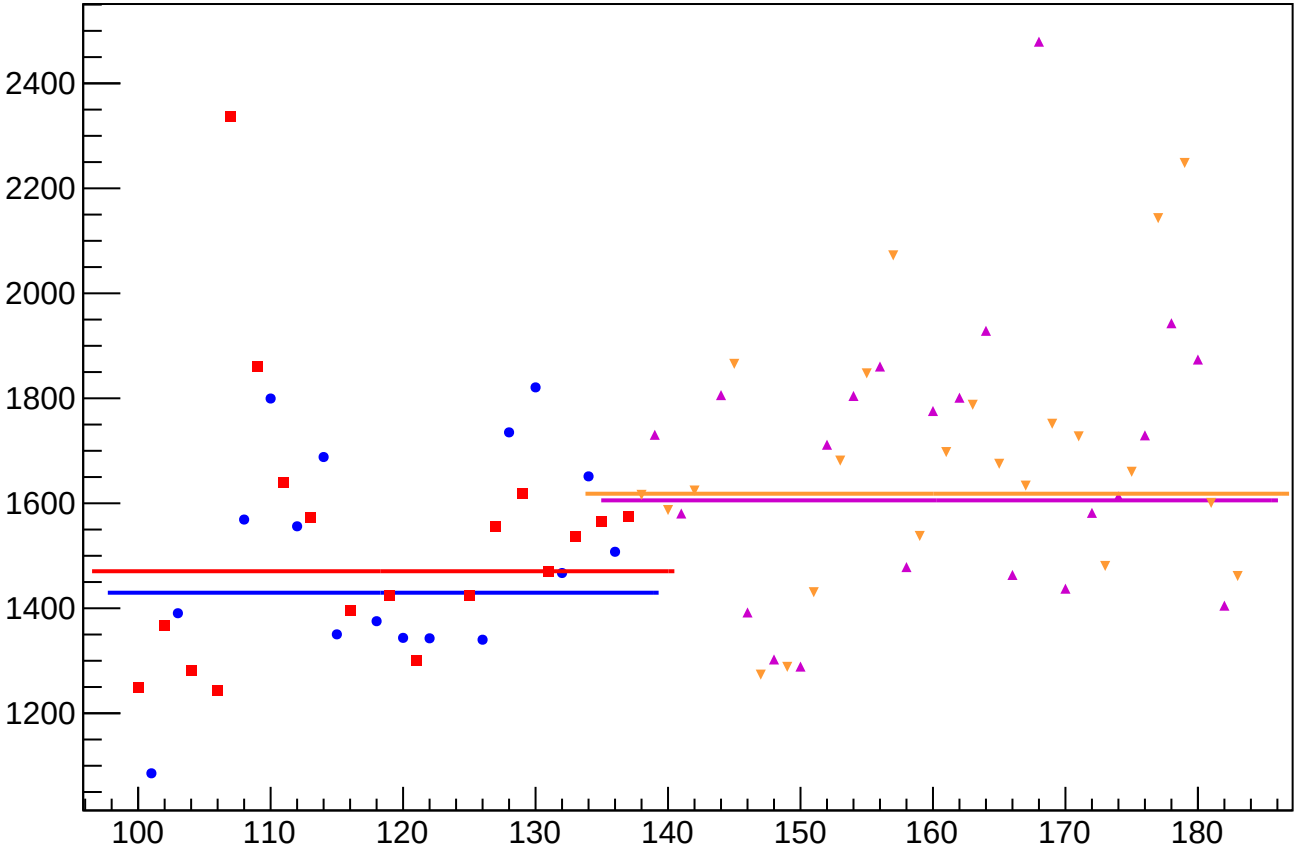
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

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

Out: 1975.649+/-314.142 χ^2/NDF:40.3/40

All: 2123.753+/-221.409 χ^2/NDF: 72.2/78

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1618.246+/-0.271 χ^2/NDF:689811.6/22

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

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

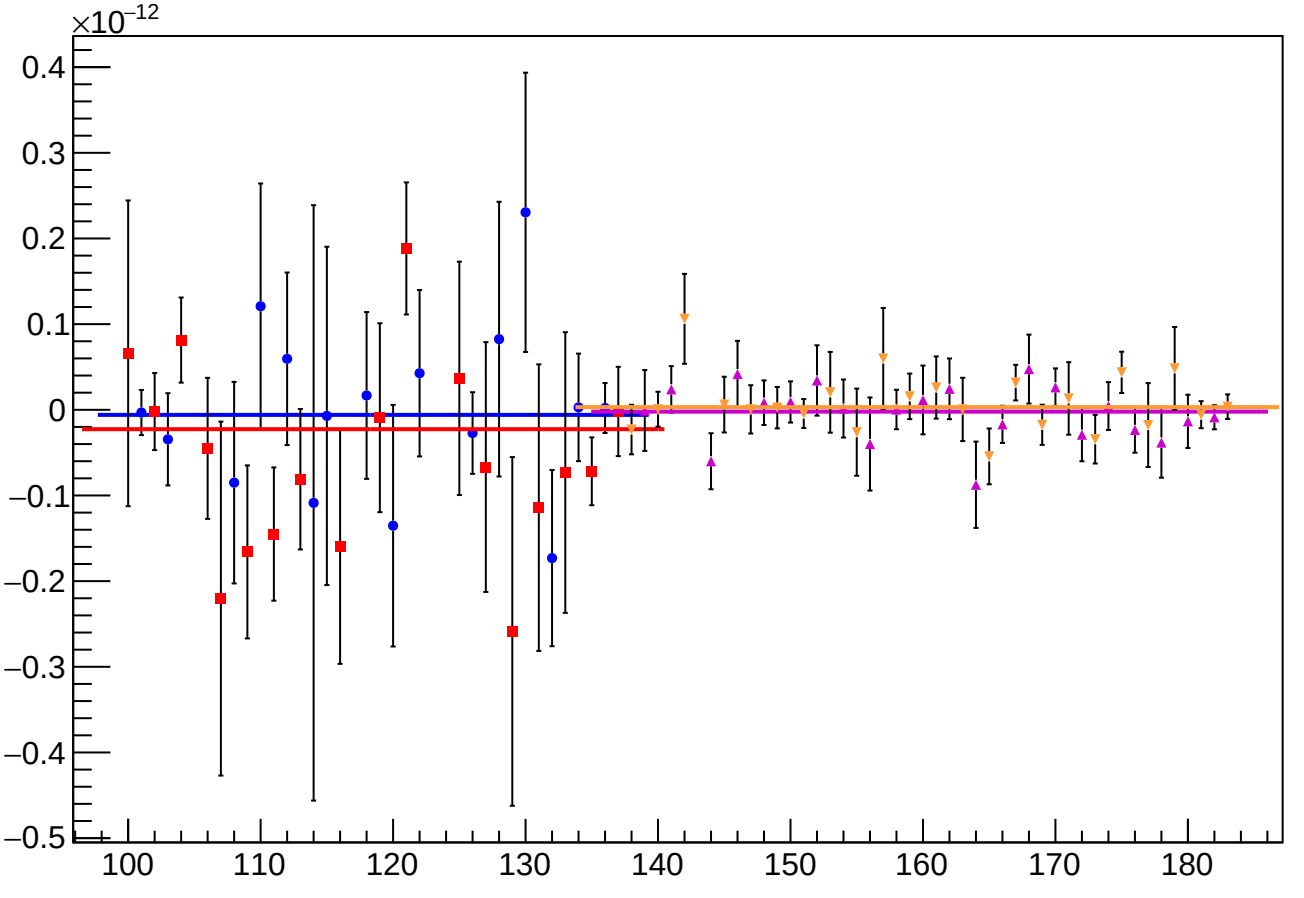
Left: 1611.905+/-0.192 χ^2/NDF: 1473997.6/44

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

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

Out: 1569.623+/-0.222 χ^2/NDF:1005491.1/40

All: 1557.926+/-0.157 χ^2/NDF: 2229356.5/78



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

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/22

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

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

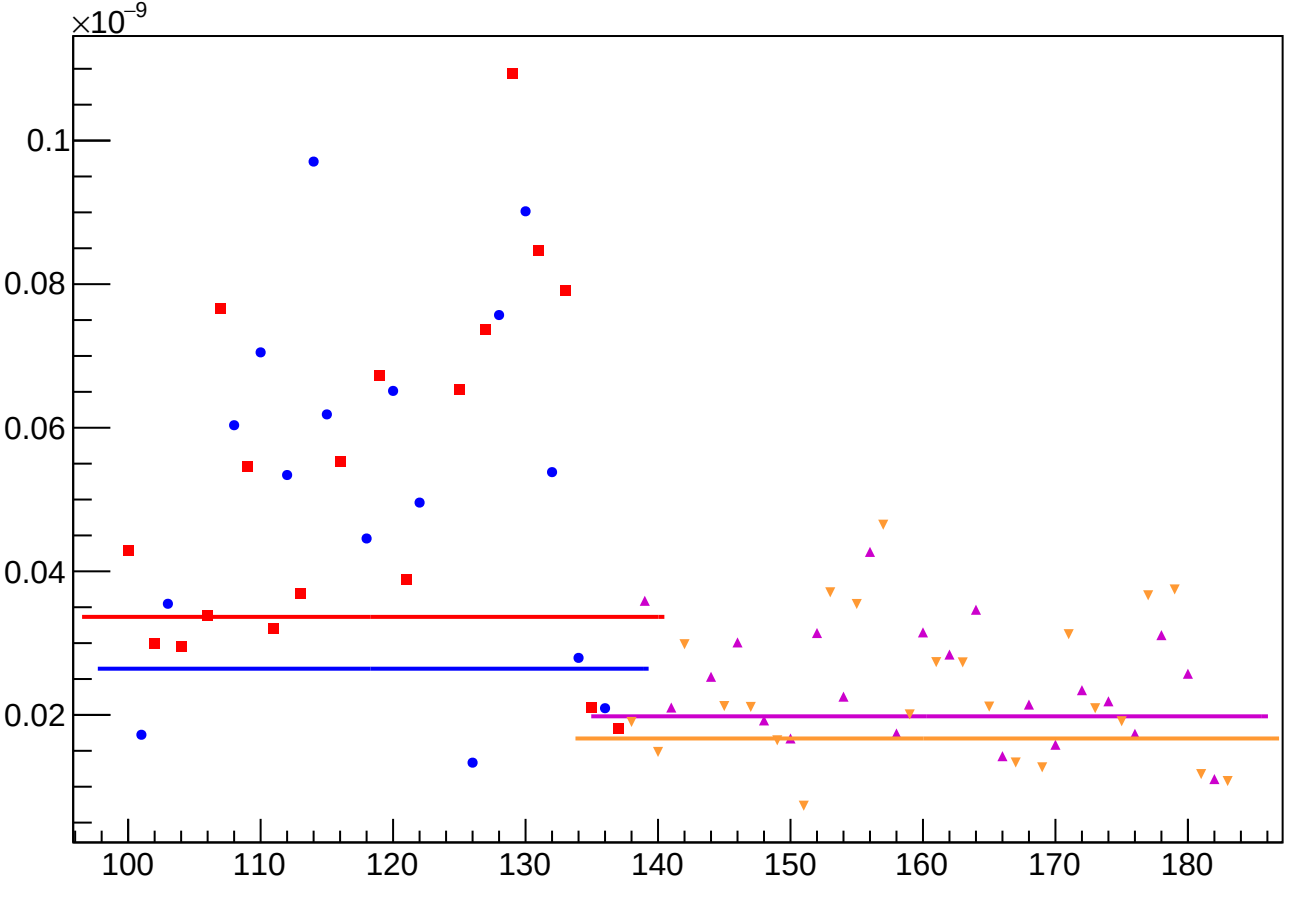
Left: 0.000+/-0.000 χ^2/NDF: 35.9/44

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:43.6/40

All: -0.000+/-0.000 χ^2/NDF: 69.2/78



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

Left Out: 0.000+/-0.000 χ^2/NDF:4066681.7/22

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

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

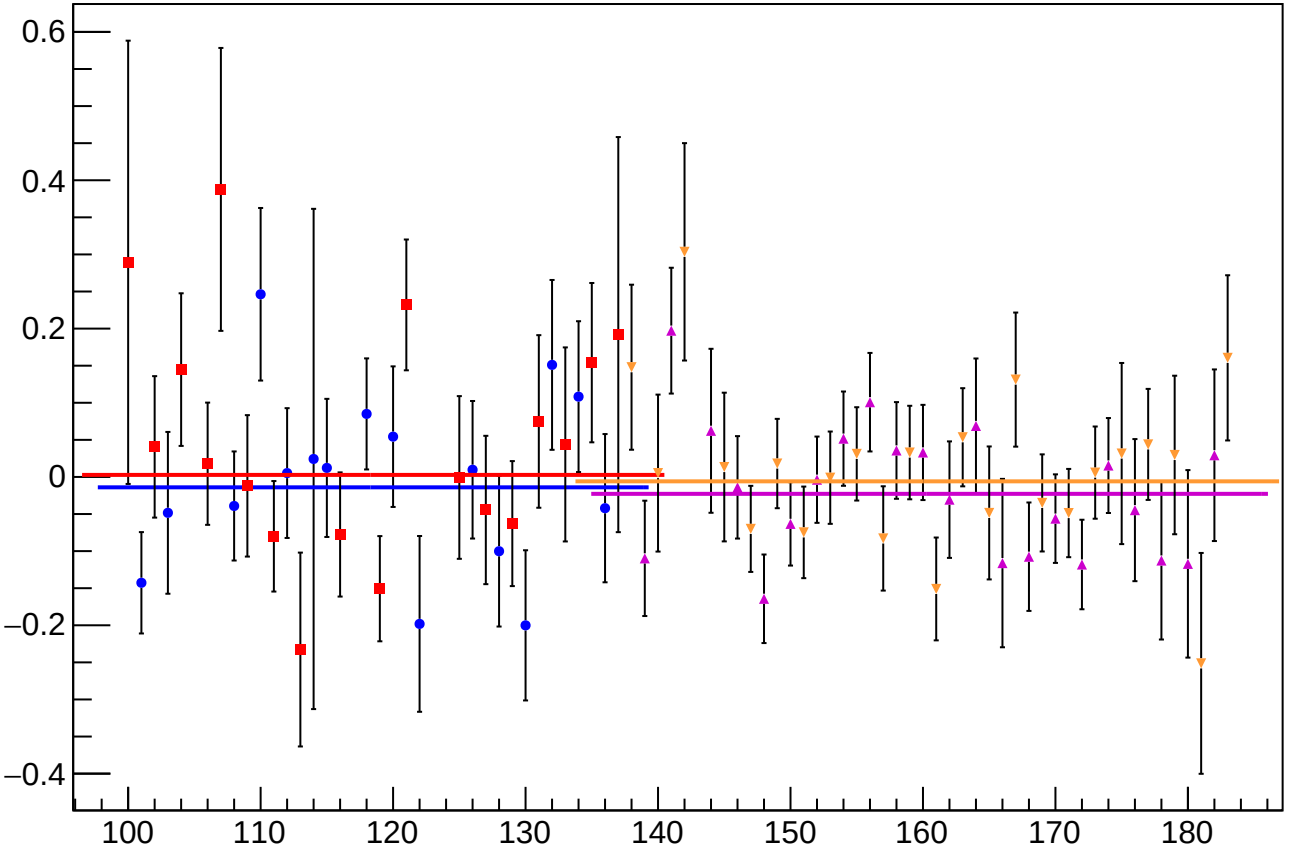
Left: 0.000+/-0.000 χ^2/NDF: 7085306.7/44

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:7369573.0/40

All: 0.000+/-0.000 χ^2/NDF: 12799327.6/78



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

Left Out: -0.006+/-0.016 χ^2/NDF:25.0/22

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

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

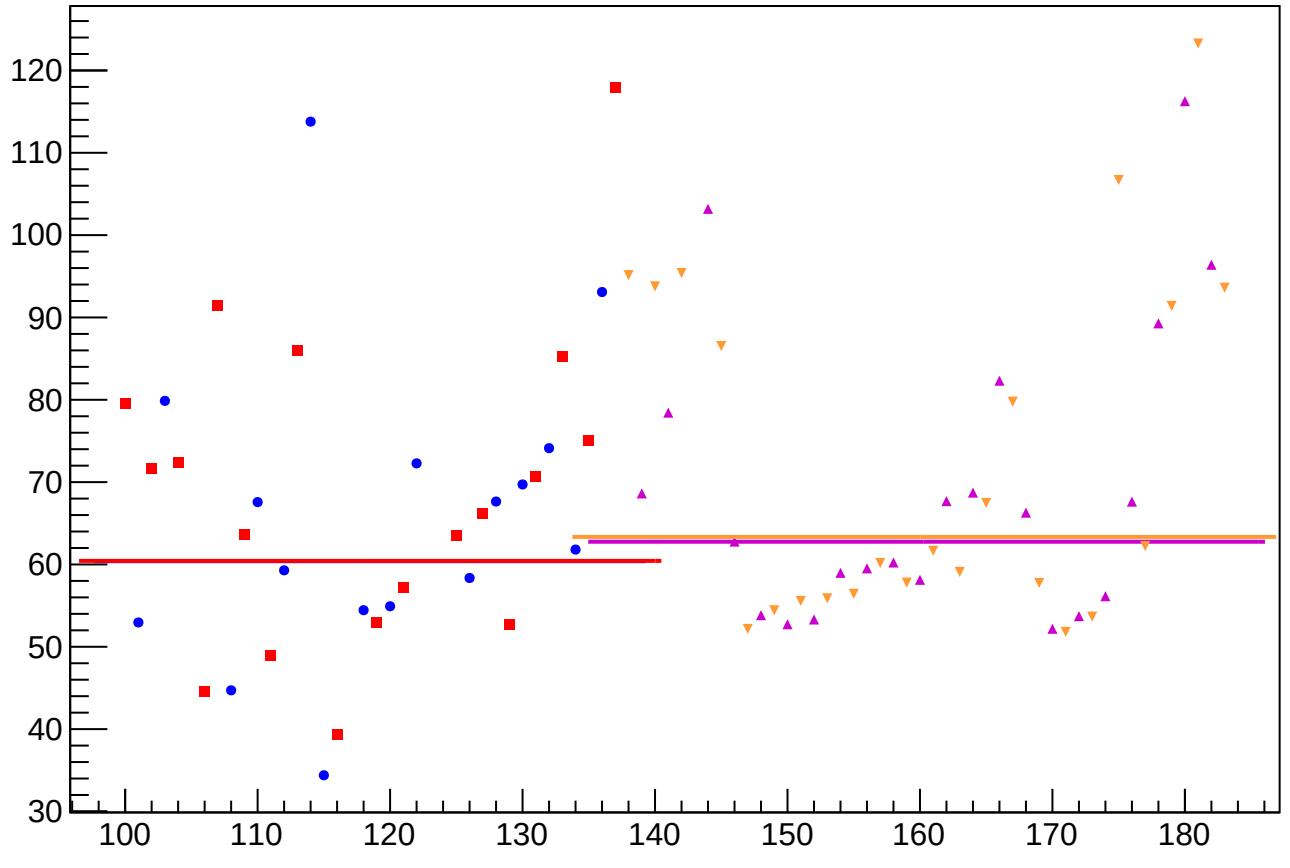
Left: -0.014+/-0.011 χ^2/NDF: 54.6/44

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

In: -0.020+/-0.013 χ^2/NDF:50.4/37

Out: -0.003+/-0.013 χ^2/NDF:52.9/40

All: -0.012+/-0.009 χ^2/NDF: 104.1/78



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

Left Out: 63.346+/-0.011 χ^2/NDF:1833719.2/22

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

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

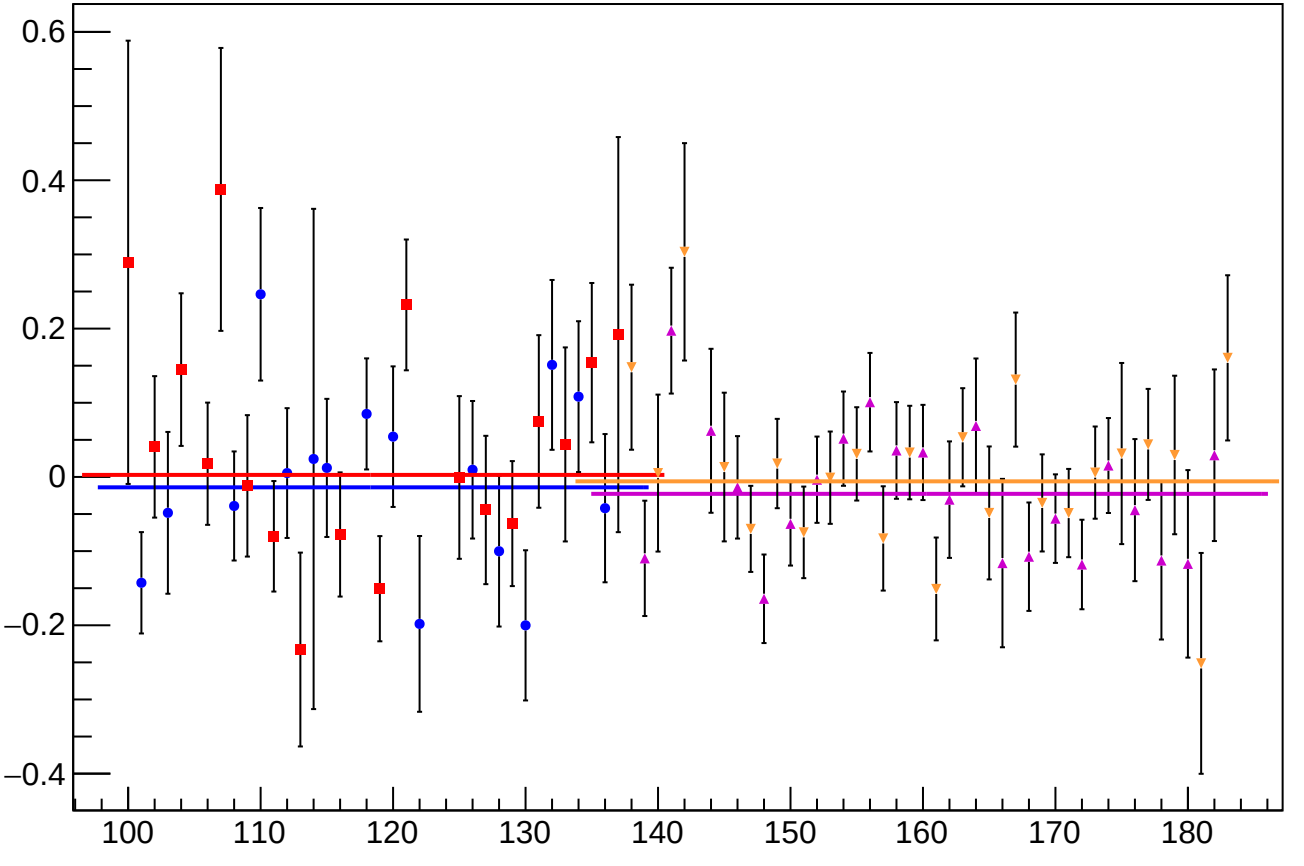
Left: 63.049+/-0.008 χ^2/NDF: 3234897.0/44

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

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

Out: 62.459+/-0.009 χ^2/NDF:2565643.4/40

All: 62.255+/-0.007 χ^2/NDF: 4683251.1/78



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

Left Out: -0.006+/-0.016 χ^2/NDF:25.0/22

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

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

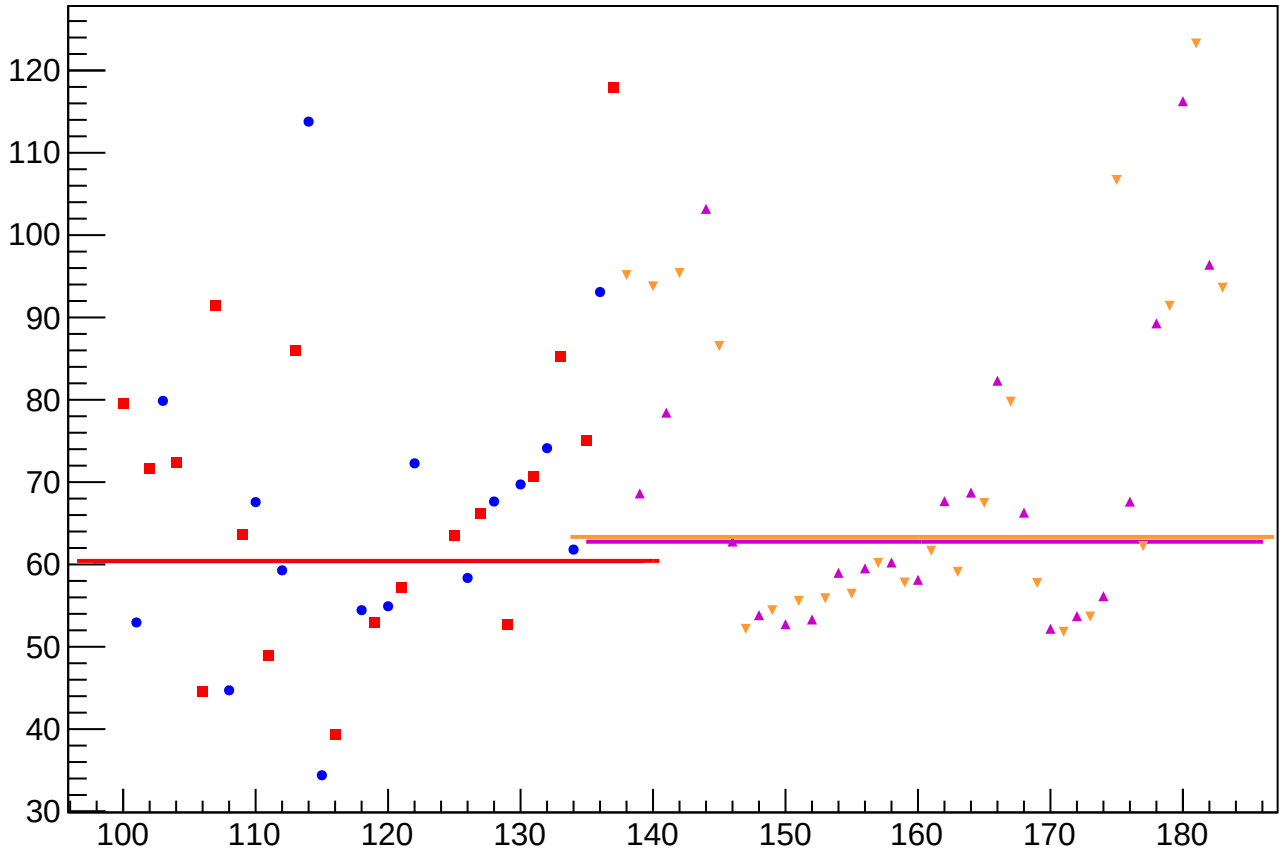
Left: -0.014+/-0.011 χ^2/NDF: 54.6/44

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

In: -0.020+/-0.013 χ^2/NDF:50.4/37

Out: -0.003+/-0.013 χ^2/NDF:52.9/40

All: -0.012+/-0.009 χ^2/NDF: 104.1/78



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

Left Out: 63.346+/-0.011 χ^2/NDF:1833719.2/22

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

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

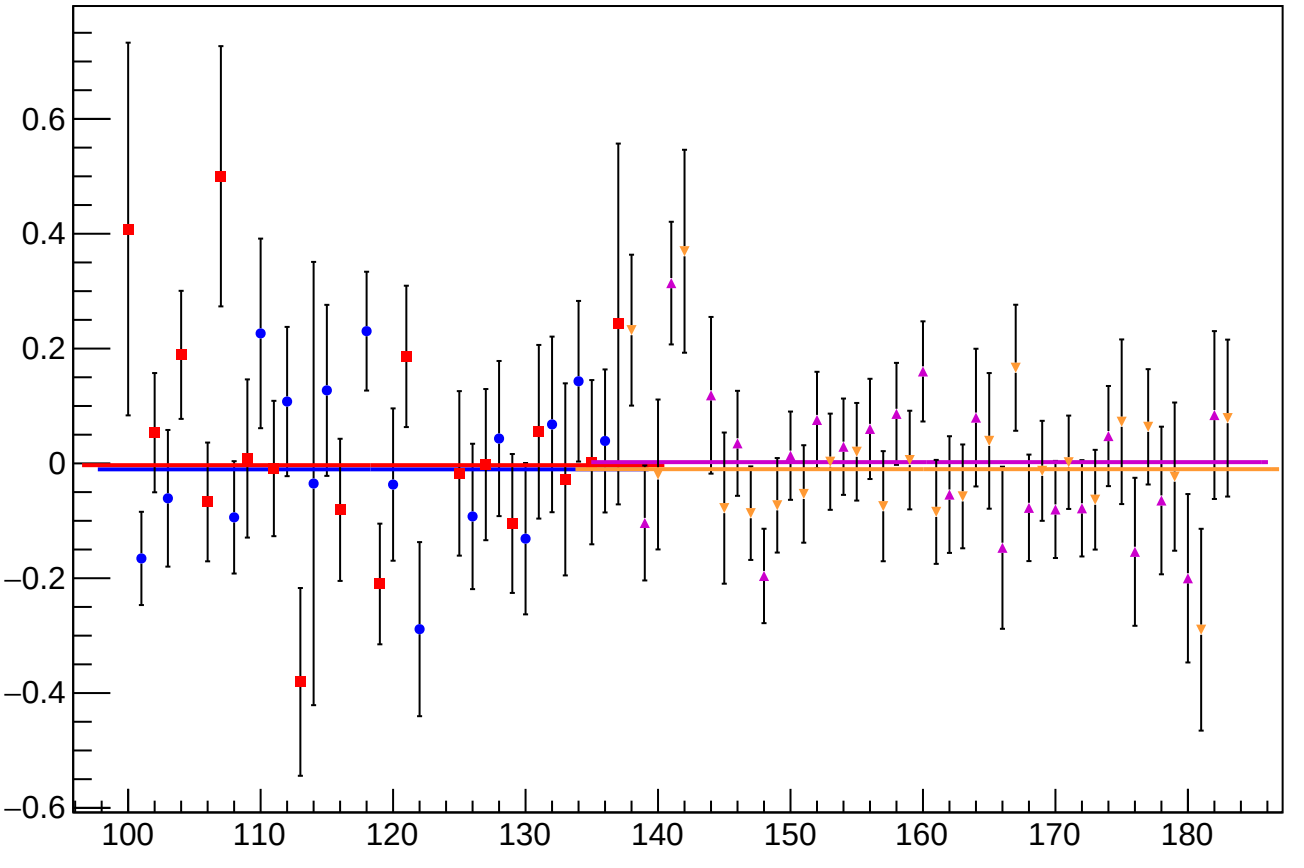
Left: 63.049+/-0.008 χ^2/NDF: 3234897.0/44

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

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

Out: 62.459+/-0.009 χ^2/NDF:2565643.4/40

All: 62.255+/-0.007 χ^2/NDF: 4683251.1/78



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

Left Out: -0.010+/-0.021 χ^2/NDF:18.6/22

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

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

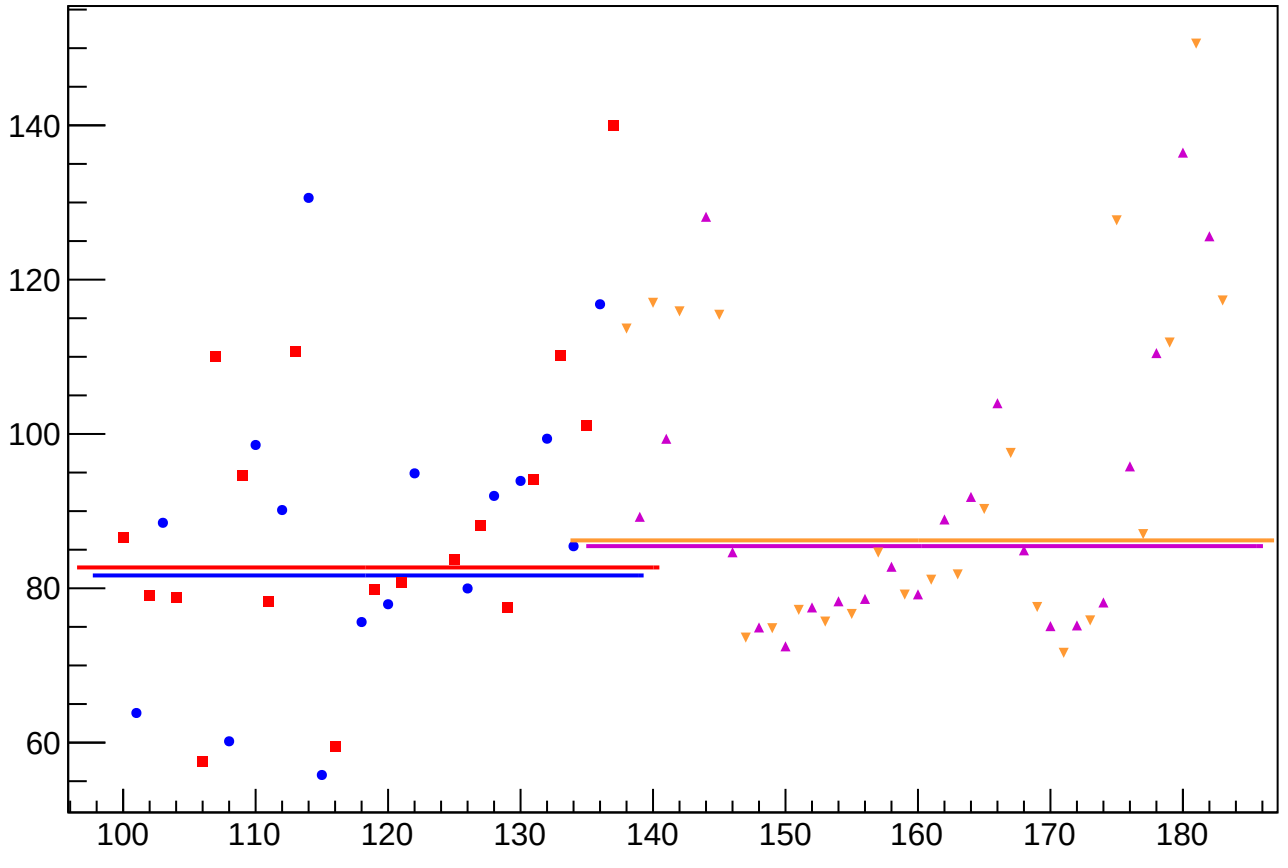
Left: -0.004+/-0.015 χ^2/NDF: 49.3/44

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

In: -0.002+/-0.017 χ^2/NDF:50.8/37

Out: -0.008+/-0.017 χ^2/NDF:42.3/40

All: -0.005+/-0.012 χ^2/NDF: 93.1/78



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

Left Out: 86.208+/-0.015 χ^2/NDF:1298420.1/22

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

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

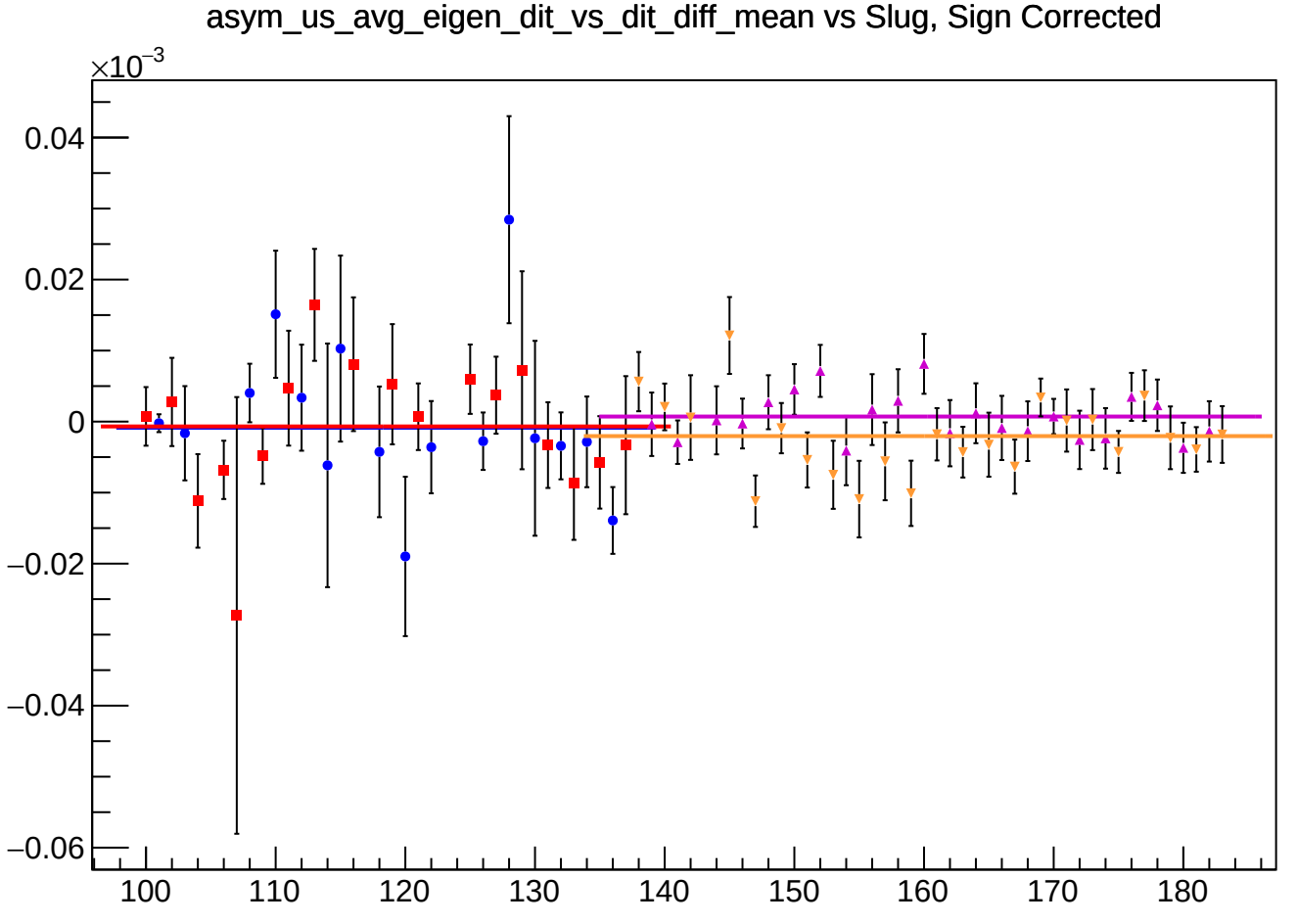
Left: 85.833+/-0.010 χ^2/NDF: 2276981.3/44

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

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

Out: 85.143+/-0.012 χ^2/NDF:1788487.2/40

All: 84.727+/-0.009 χ^2/NDF: 3350063.7/78



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

Left Out: -0.000+/-0.000 χ^2/NDF:36.7/22

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

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

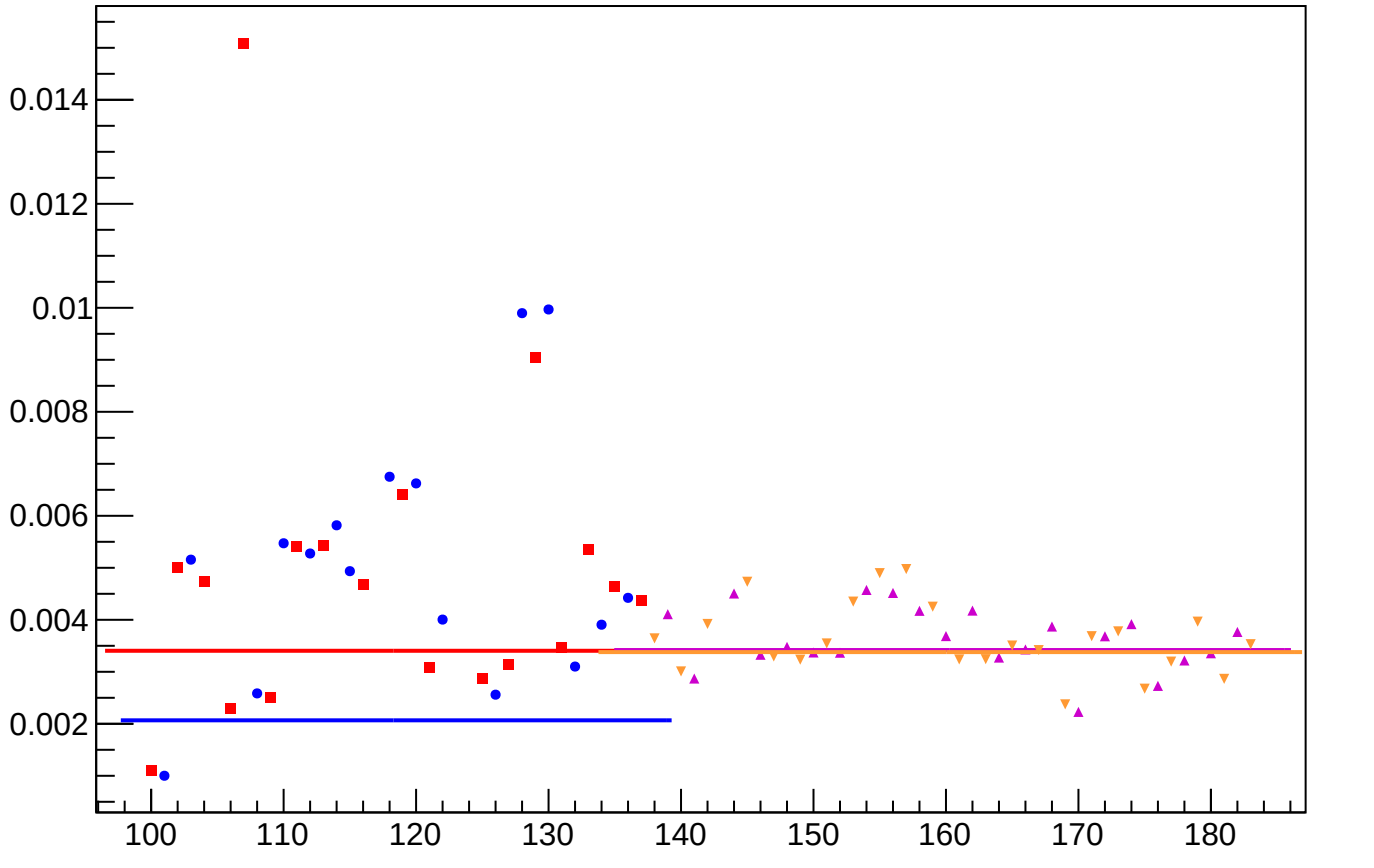
Left: -0.000+/-0.000 χ^2/NDF: 57.2/44

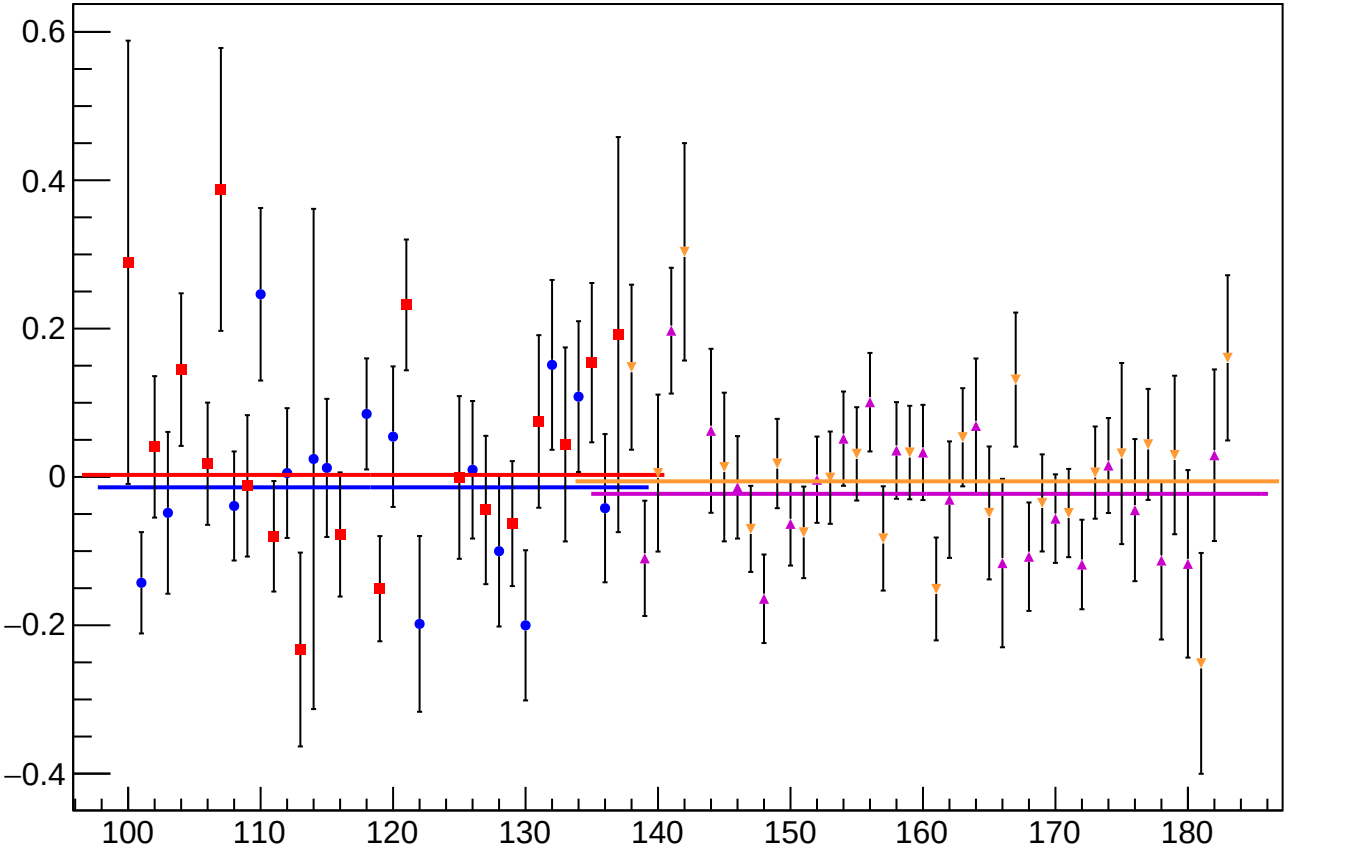
Right: -0.000+/-0.000 χ^2/NDF: 39.7/33

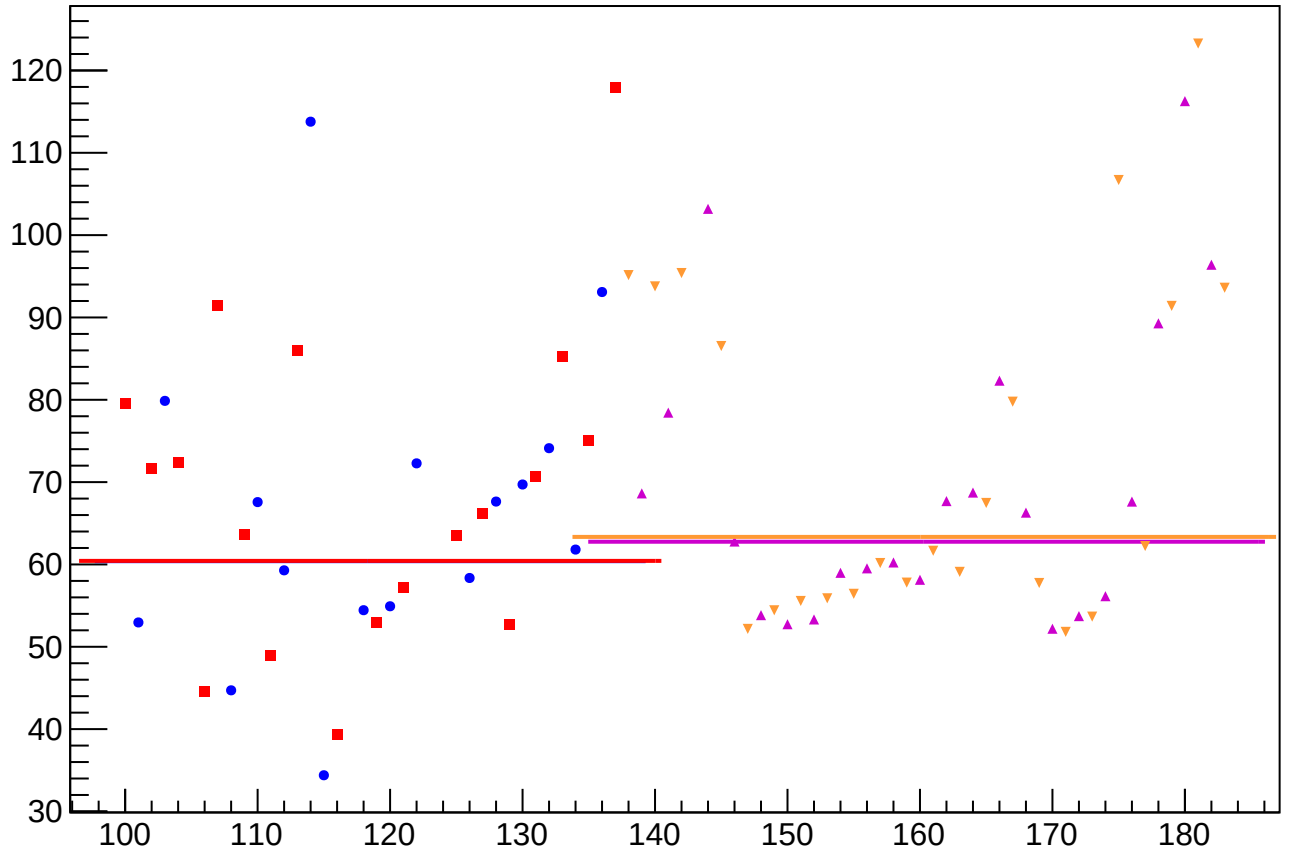
In: 0.000+/-0.000 χ^2/NDF:37.6/37

Out: -0.000+/-0.000 χ^2/NDF:55.7/40

All: -0.000+/-0.000 χ^2/NDF: 96.9/78


asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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: 0.002+/-0.000 χ²/NDF: 5813338.1/15
Left Out: 0.003+/-0.000 χ²/NDF:1195096.0/22
Right Out: 0.003+/-0.000 χ²/NDF: 2491305.2/17
Left In: 0.003+/-0.000 χ²/NDF:1169177.0/21
Left: 0.003+/-0.000 χ²/NDF: 2366631.0/44
Right: 0.003+/-0.000 χ²/NDF: 9479134.4/33
In: 0.003+/-0.000 χ²/NDF:9140221.1/37
Out: 0.003+/-0.000 χ²/NDF:3686881.8/40
All: 0.003+/-0.000 χ²/NDF: 13395801.4/78


asym_us_avg_eigen_dit_vs_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: -0.006+/-0.016 χ²/NDF:25.0/22
Right Out: 0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.023+/-0.016 χ²/NDF:29.0/21
Left: -0.014+/-0.011 χ²/NDF: 54.6/44
Right: -0.006+/-0.017 χ²/NDF: 49.4/33
In: -0.020+/-0.013 χ²/NDF:50.4/37
Out: -0.003+/-0.013 χ²/NDF:52.9/40
All: -0.012+/-0.009 χ²/NDF: 104.1/78



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

Left Out: 63.346+/-0.011 χ^2/NDF:1833702.2/22

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: 63.050+/-0.008 χ^2/NDF: 3234858.8/44

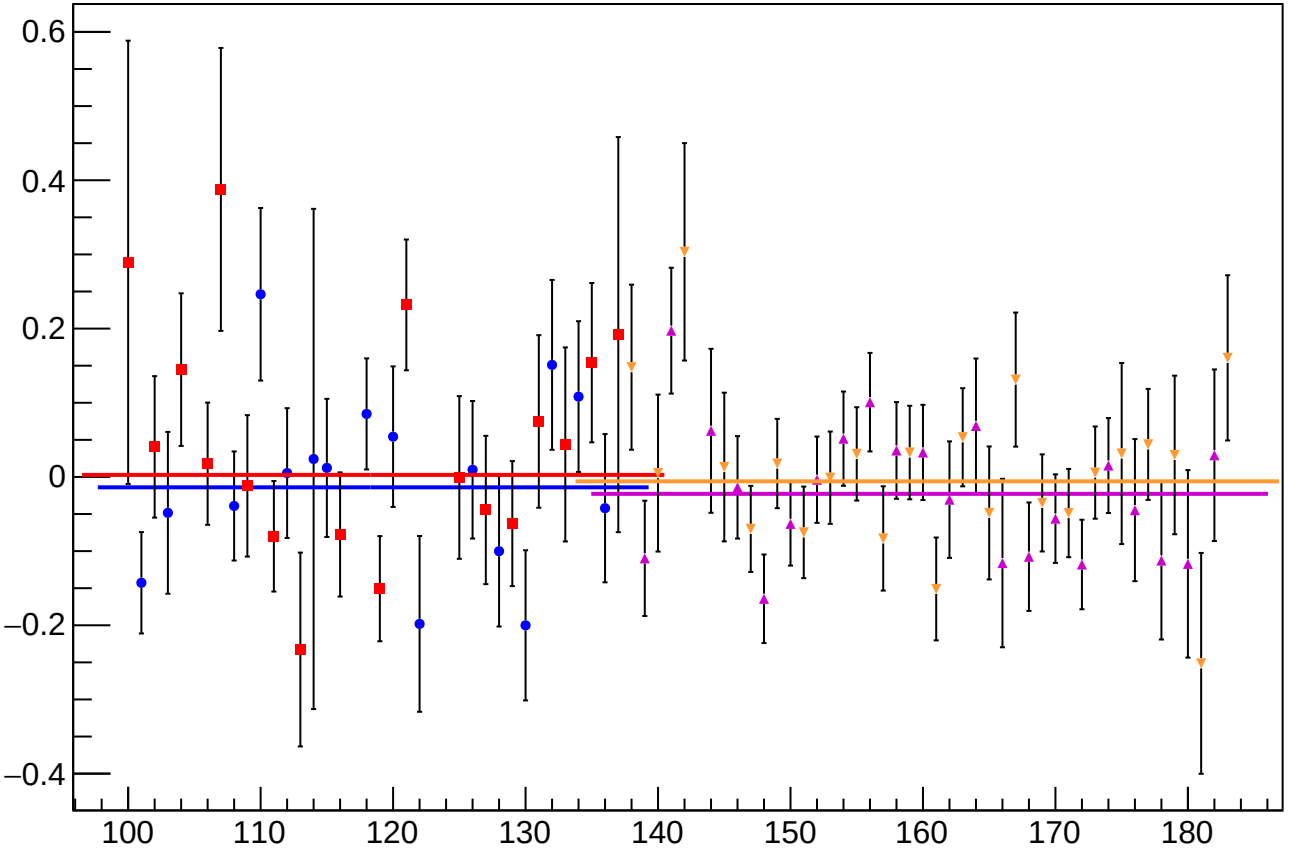
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

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

Out: 62.459+/-0.009 χ^2/NDF:2565686.1/40

All: 62.255+/-0.007 χ^2/NDF: 4683304.3/78

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: -0.006+/-0.016 χ^2/NDF:25.0/22

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

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

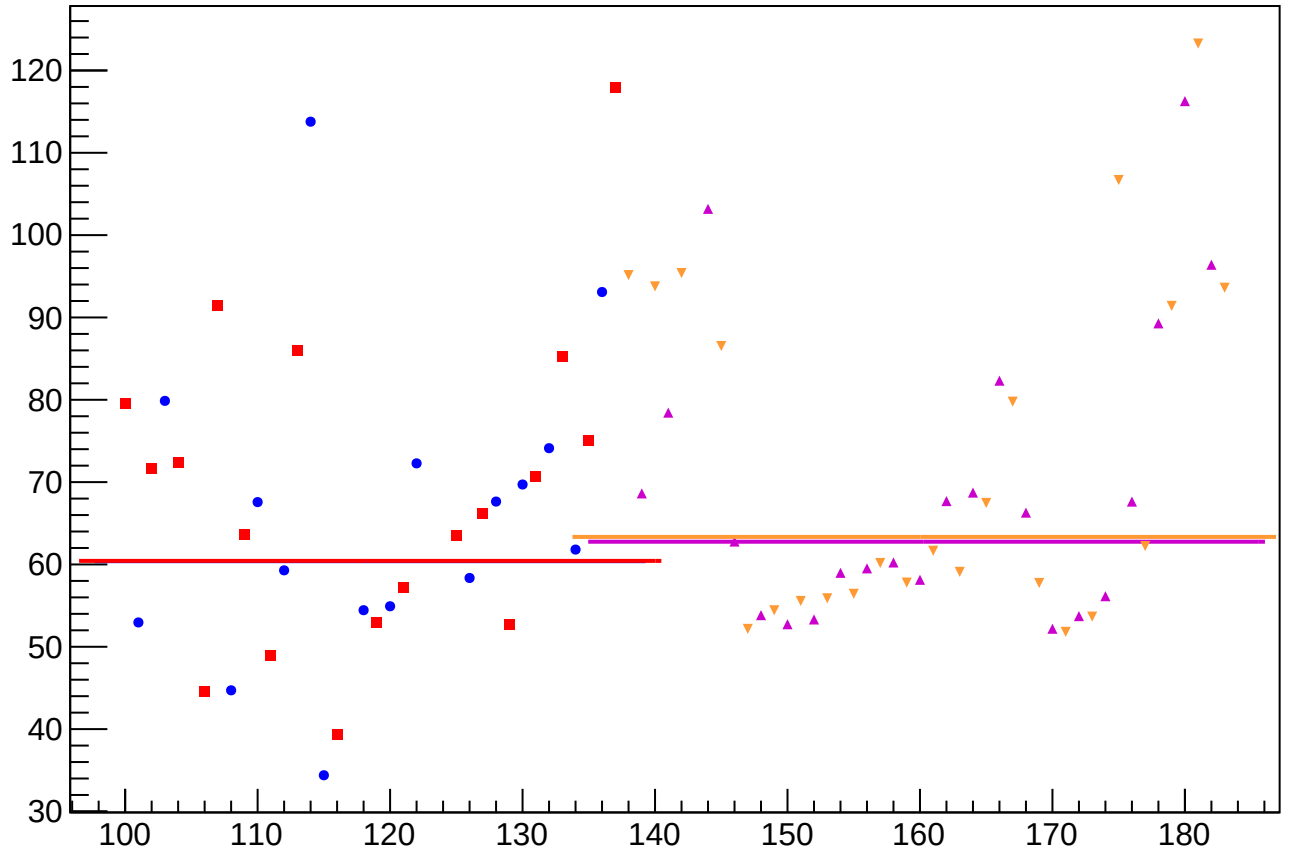
Left: -0.014+/-0.011 χ^2/NDF: 54.6/44

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

In: -0.020+/-0.013 χ^2/NDF:50.4/37

Out: -0.003+/-0.013 χ^2/NDF:52.9/40

All: -0.012+/-0.009 χ^2/NDF: 104.1/78



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

Left Out: 63.346+/-0.011 χ^2/NDF:1833702.2/22

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: 63.050+/-0.008 χ^2/NDF: 3234858.8/44

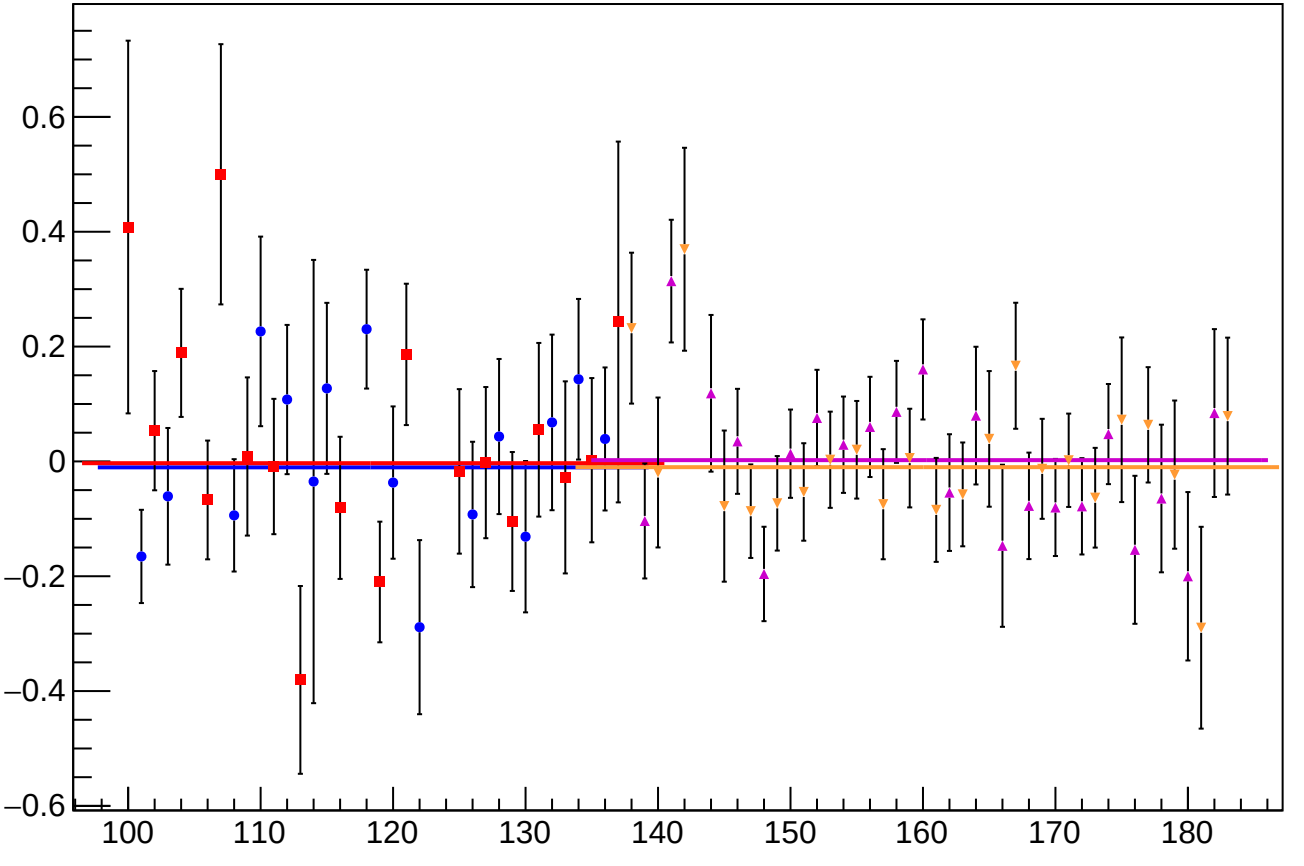
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

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

Out: 62.459+/-0.009 χ^2/NDF:2565686.1/40

All: 62.255+/-0.007 χ^2/NDF: 4683304.3/78

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: -0.010+/-0.021 χ^2/NDF:18.6/22

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

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

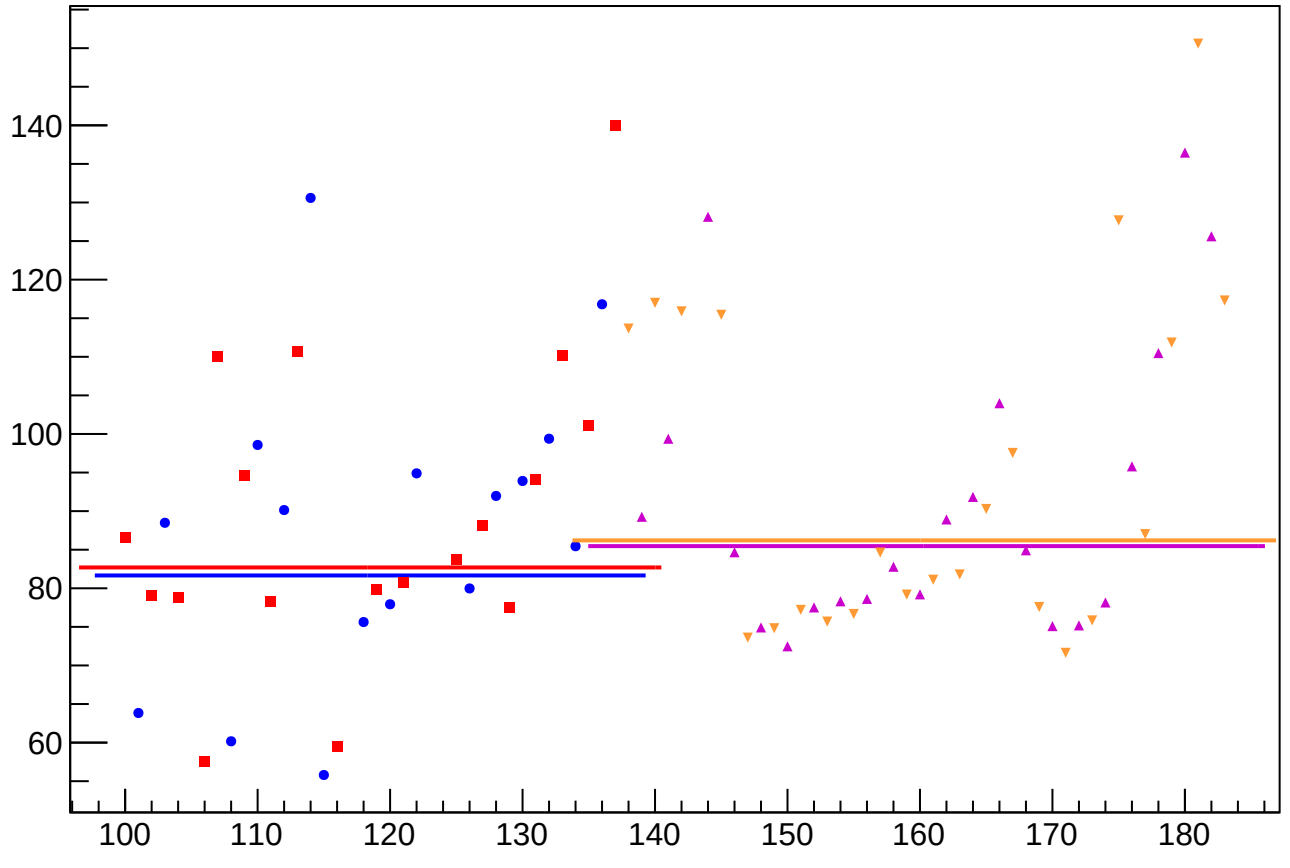
Left: -0.004+/-0.015 χ^2/NDF: 49.3/44

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

In: -0.002+/-0.017 χ^2/NDF:50.8/37

Out: -0.008+/-0.017 χ^2/NDF:42.3/40

All: -0.005+/-0.012 χ^2/NDF: 93.1/78



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

Left Out: 86.208+/-0.015 χ^2/NDF:1298410.4/22

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

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

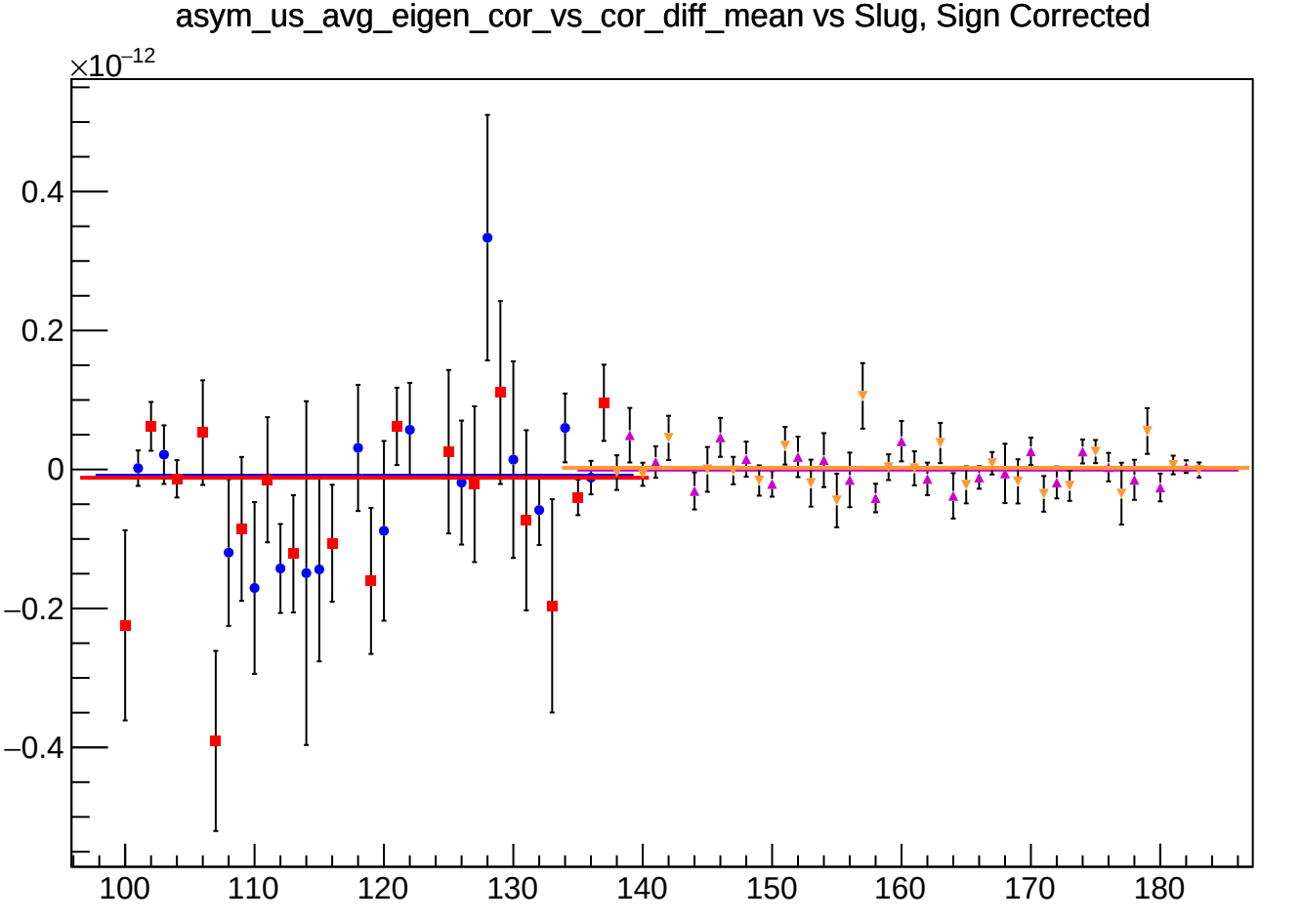
Left: 85.834+/-0.010 χ^2/NDF: 2276963.6/44

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

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

Out: 85.143+/-0.012 χ^2/NDF:1788487.9/40

All: 84.727+/-0.009 χ^2/NDF: 3350055.6/78



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

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/22

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

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

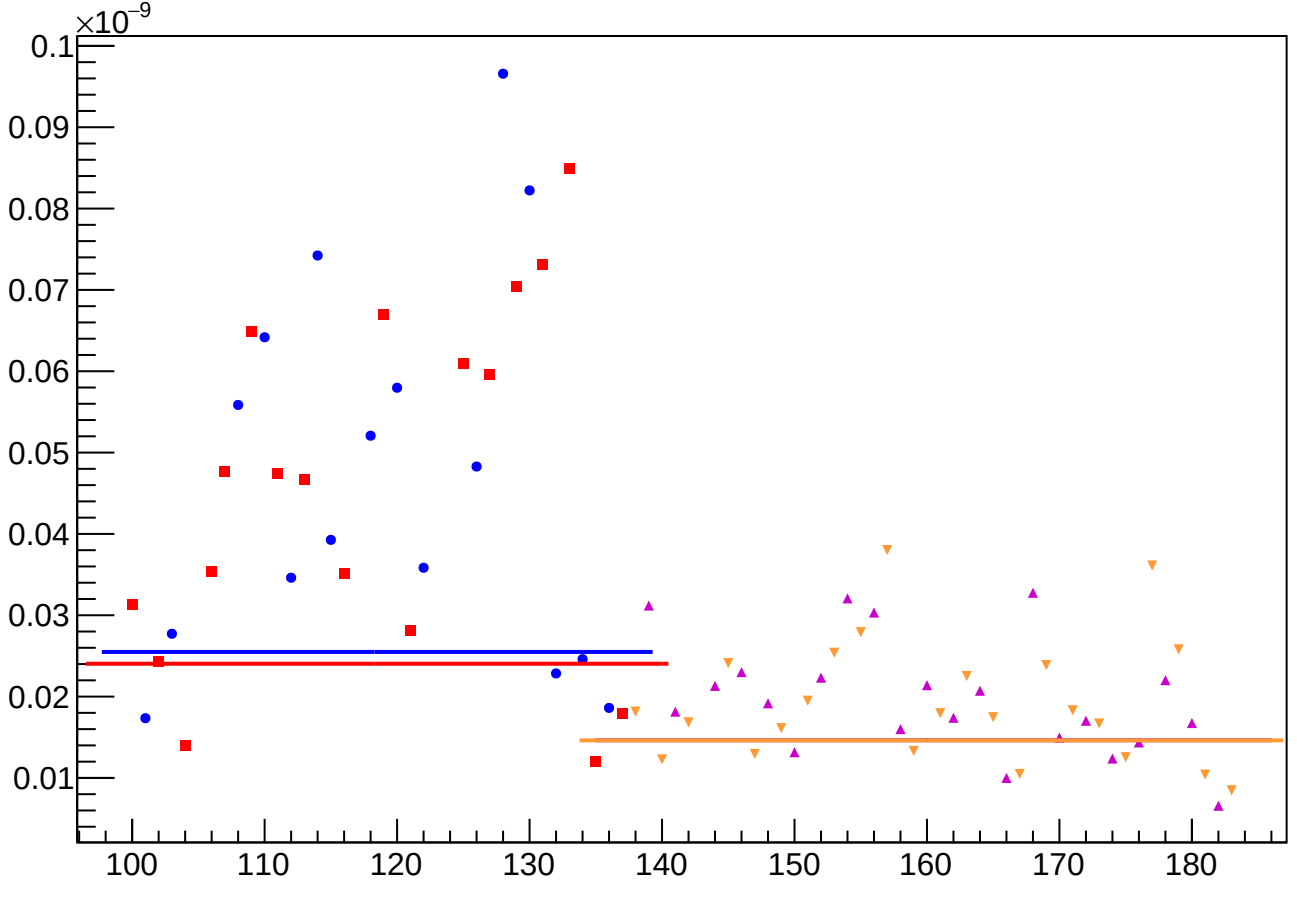
Left: 0.000+/-0.000 χ^2/NDF: 46.3/44

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:55.0/40

All: -0.000+/-0.000 χ^2/NDF: 96.2/78



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

Left Out: 0.000+/-0.000 χ^2/NDF:3424161.5/22

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

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

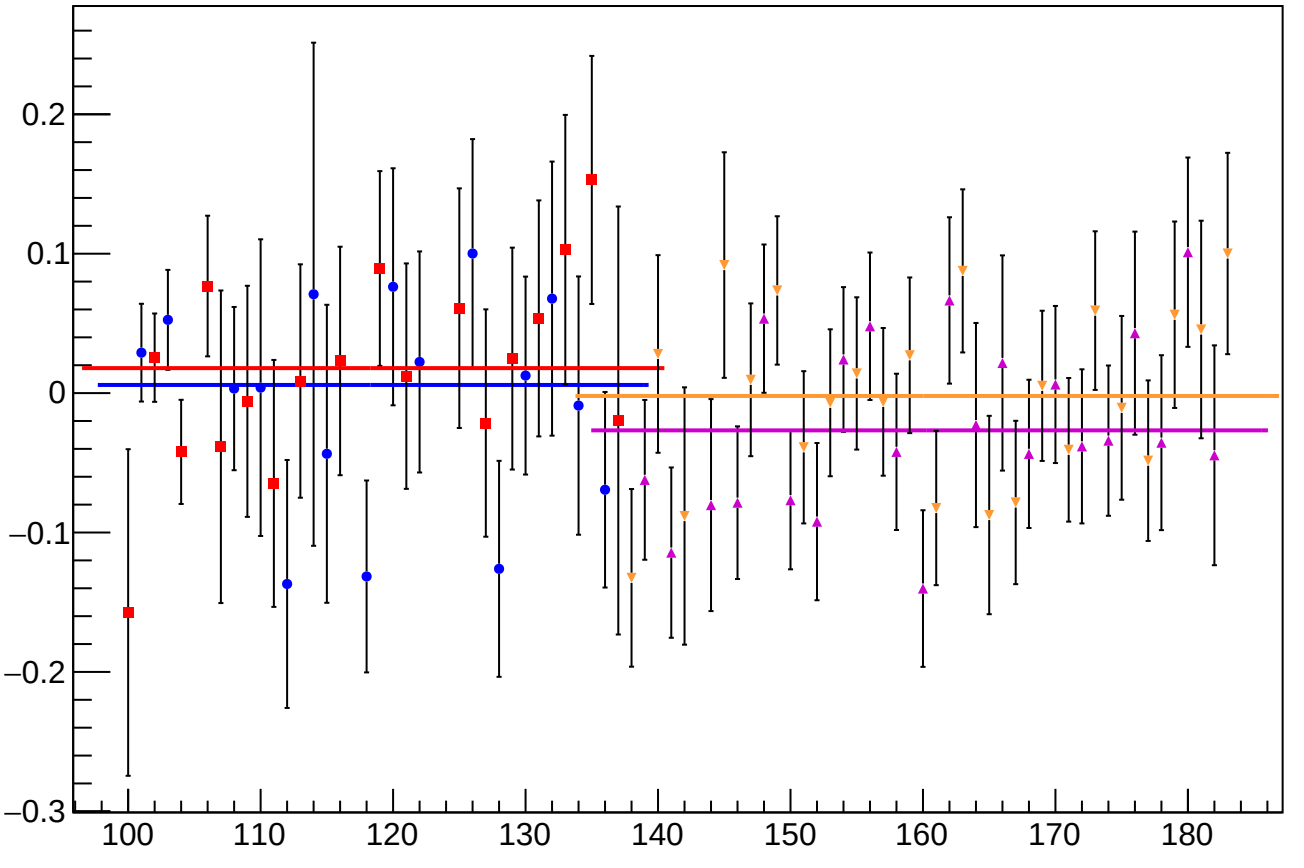
Left: 0.000+/-0.000 χ^2/NDF: 7581587.4/44

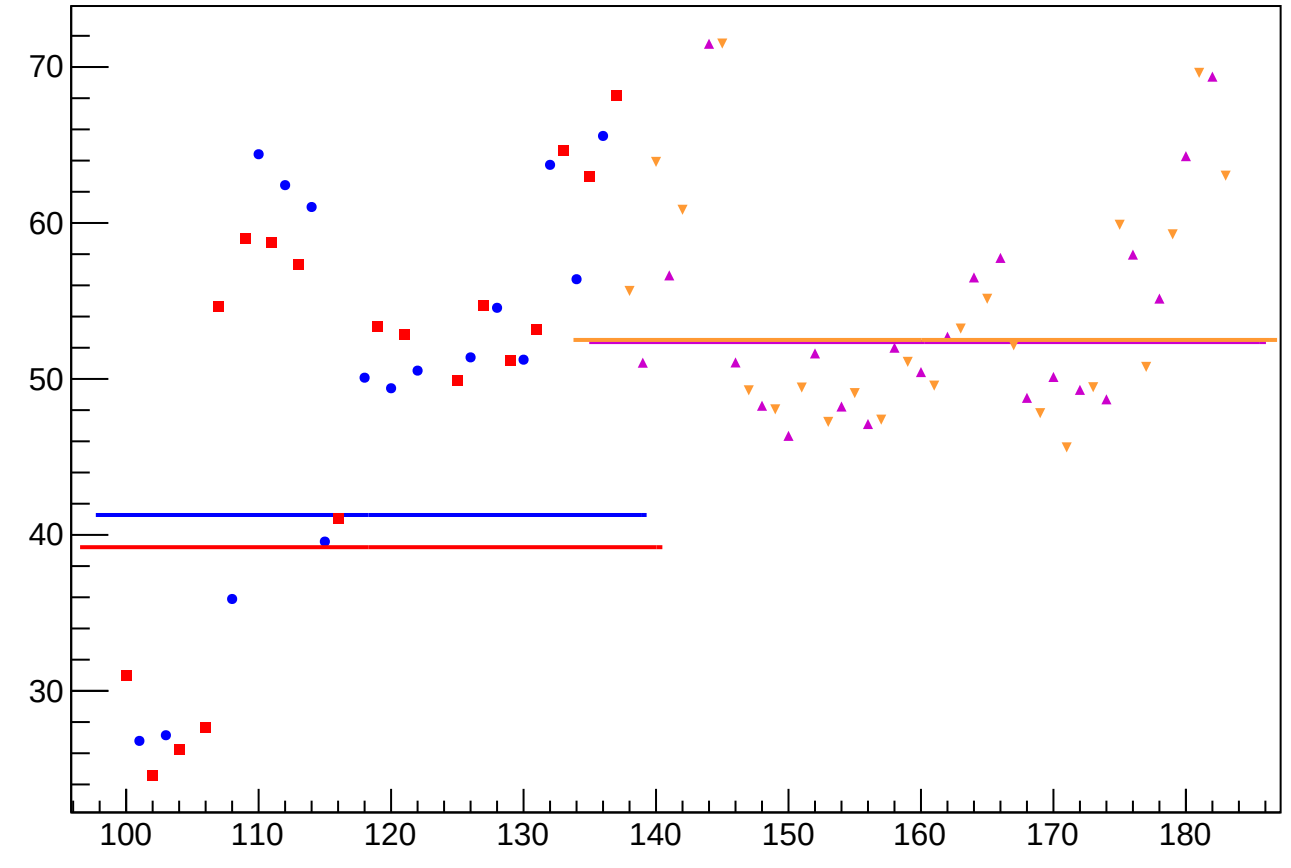
Right: 0.000+/-0.000 χ^2/NDF: 5096304.5/33

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

Out: 0.000+/-0.000 χ^2/NDF:7398596.6/40

All: 0.000+/-0.000 χ^2/NDF: 14760680.7/78


asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
Right In: 0.006+/-0.017 χ²/NDF: 15.6/15
Left Out: -0.002+/-0.013 χ²/NDF:22.6/22
Right Out: 0.018+/-0.016 χ²/NDF: 12.3/17
Left In: -0.027+/-0.013 χ²/NDF:23.5/21
Left: -0.014+/-0.009 χ²/NDF: 48.0/44
Right: 0.012+/-0.011 χ²/NDF: 28.2/33
In: -0.015+/-0.010 χ²/NDF:41.5/37
Out: 0.006+/-0.010 χ²/NDF:35.9/40
All: -0.004+/-0.007 χ²/NDF: 79.6/78



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

Left Out: 52.501+/-0.009 χ^2/NDF:509893.4/22

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

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

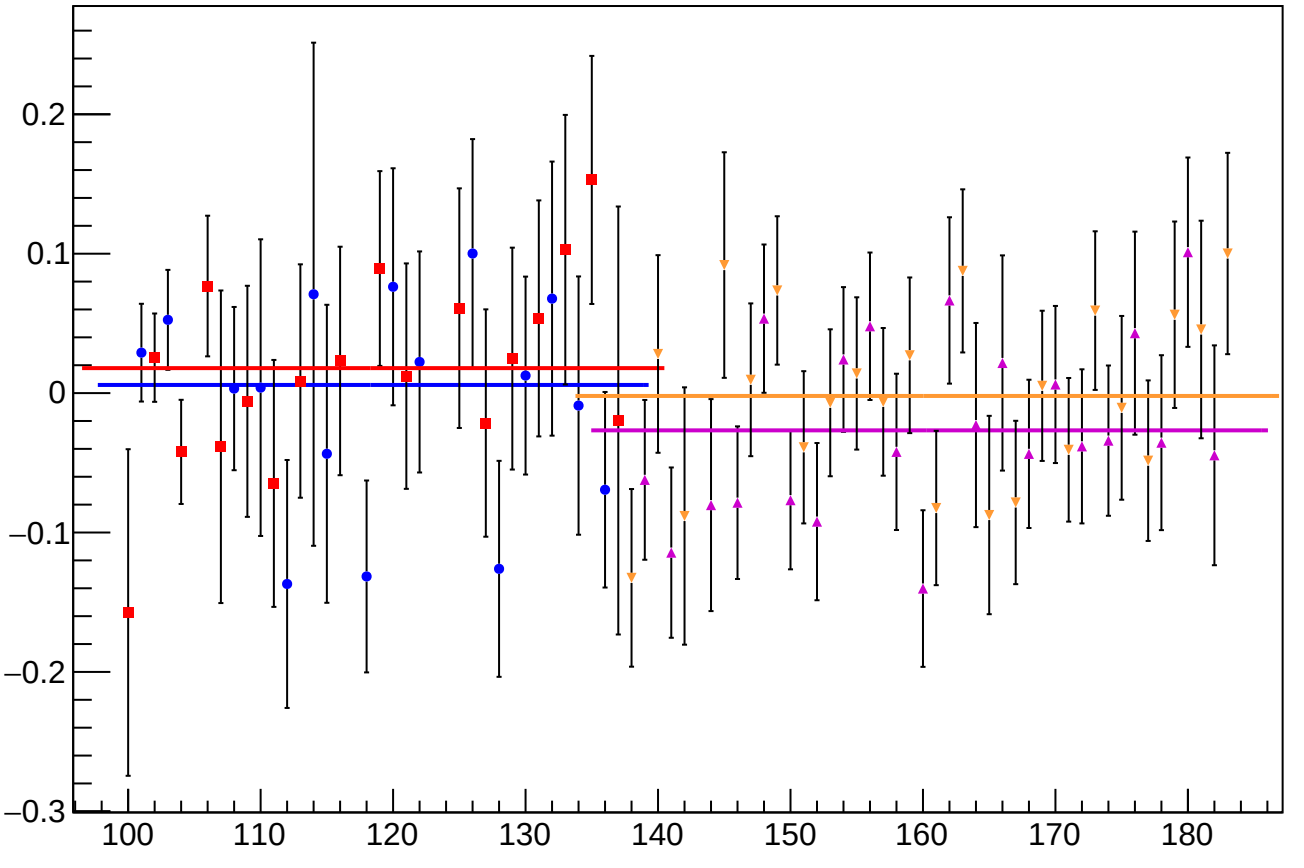
Left: 52.432+/-0.006 χ^2/NDF: 939387.7/44

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

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

Out: 47.338+/-0.007 χ^2/NDF:3202259.8/40

All: 47.806+/-0.005 χ^2/NDF: 5715876.7/78



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

Left Out: -0.002+/-0.013 χ^2/NDF:22.6/22

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: -0.014+/-0.009 χ^2/NDF: 48.0/44

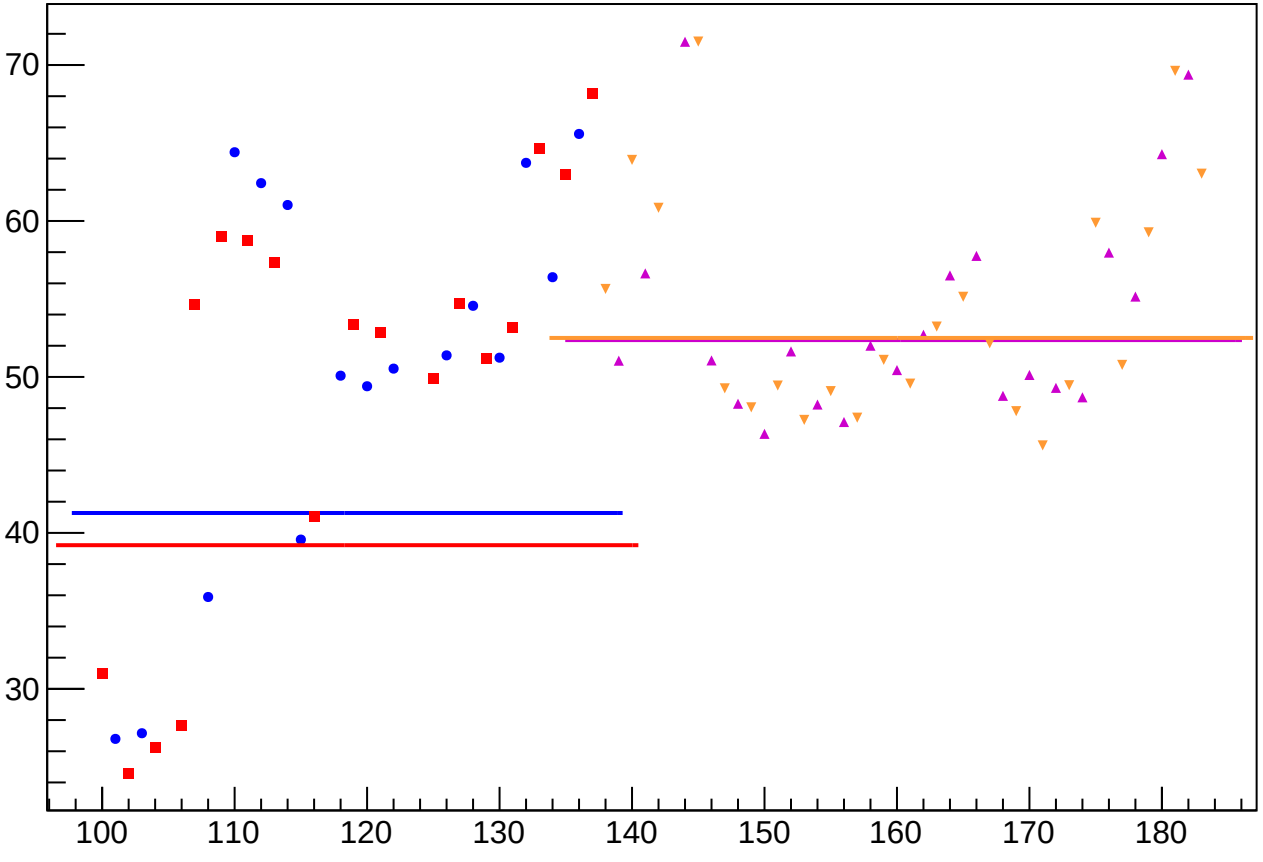
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.015+/-0.010 χ^2/NDF:41.5/37

Out: 0.006+/-0.010 χ^2/NDF:35.9/40

All: -0.004+/-0.007 χ^2/NDF: 79.6/78

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: 52.501+/-0.009 χ^2/NDF:509893.4/22

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: 52.432+/-0.006 χ^2/NDF: 939387.7/44

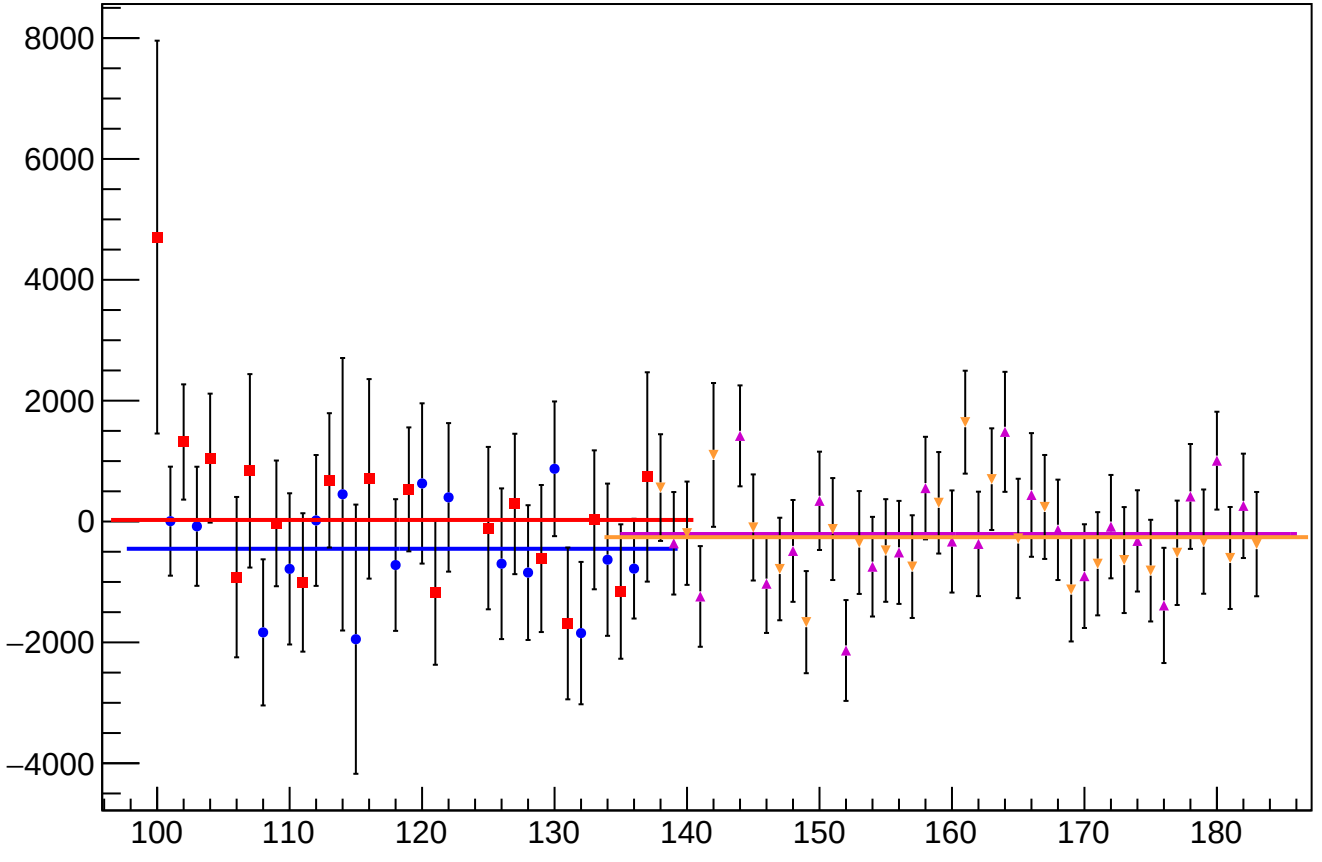
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

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

Out: 47.338+/-0.007 χ^2/NDF:3202259.8/40

All: 47.806+/-0.005 χ^2/NDF: 5715876.7/78

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -258.768+/-181.188 χ^2/NDF:15.1/22

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: -232.927+/-128.646 χ^2/NDF: 37.4/44

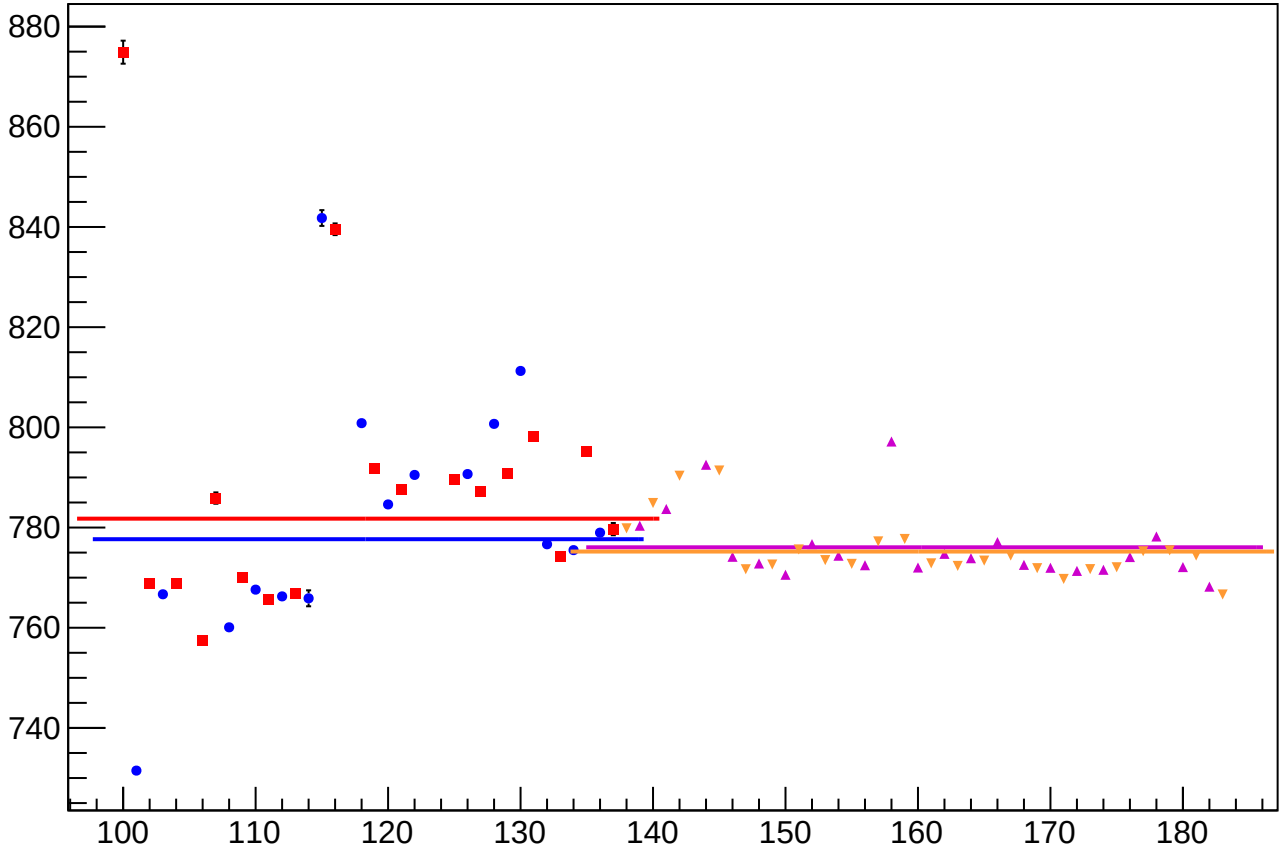
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

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

Out: -178.022+/-153.374 χ^2/NDF:27.5/40

All: -226.890+/-108.818 χ^2/NDF: 57.4/78

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 775.211+/-0.128 χ^2/NDF:1841.1/22

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

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

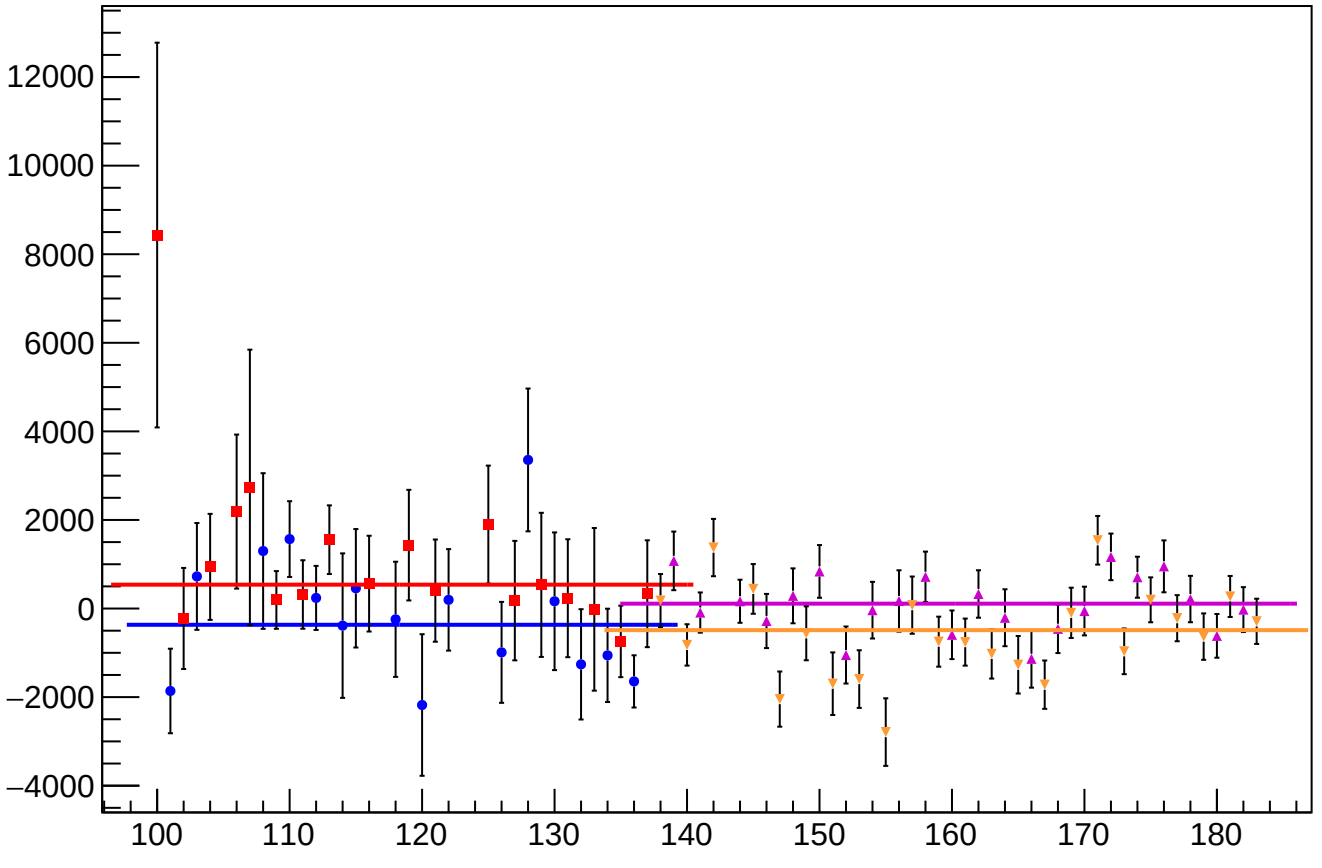
Left: 775.630+/-0.091 χ^2/NDF: 4770.3/44

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

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

Out: 777.072+/-0.108 χ^2/NDF:10211.8/40

All: 776.797+/-0.077 χ^2/NDF: 25232.6/78



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

Left Out: -488.026+/-117.736 χ^2/NDF:62.6/22

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: -192.304+/-83.719 χ^2/NDF: 101.1/44

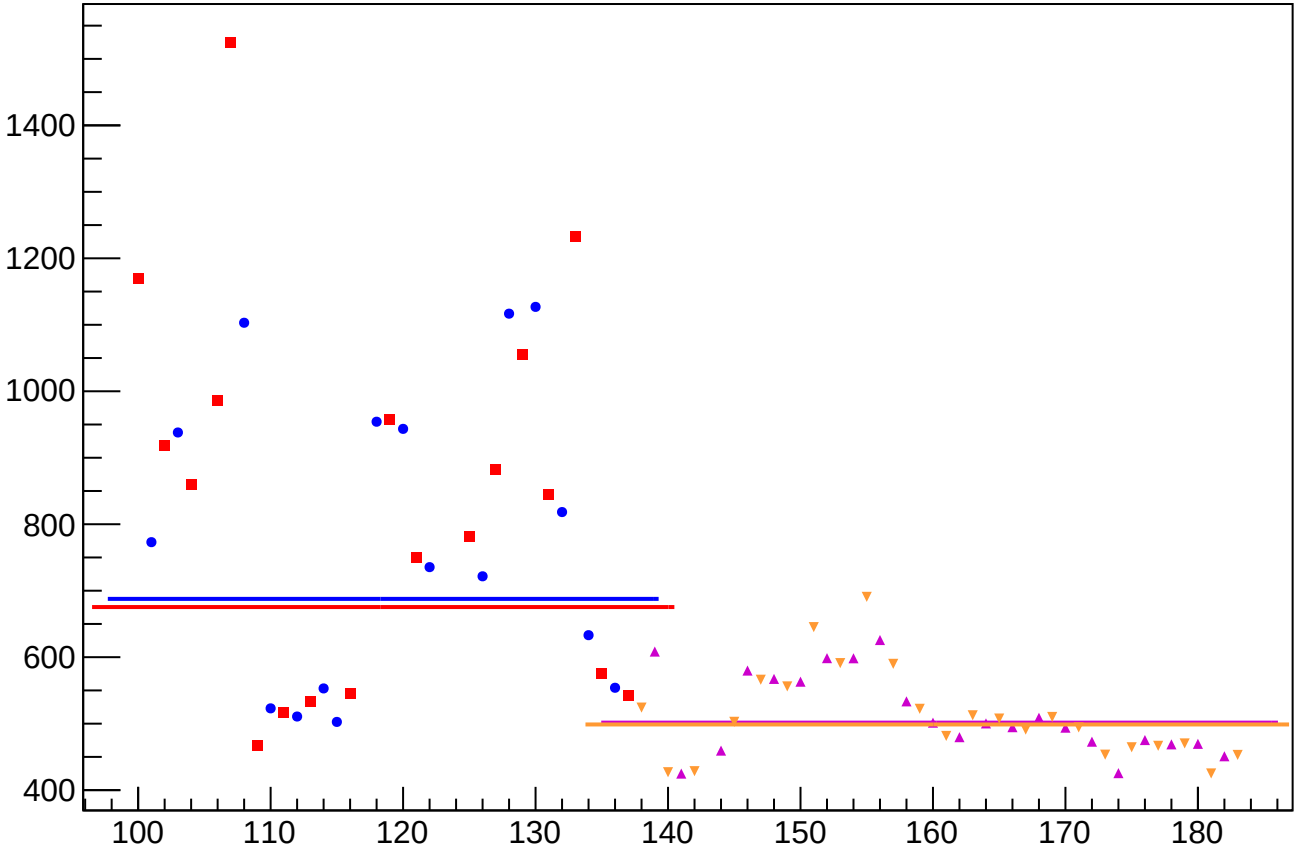
Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: 30.845+/-108.724 χ^2/NDF:51.6/37

Out: -316.484+/-107.453 χ^2/NDF:87.0/40

All: -144.861+/-76.426 χ^2/NDF: 143.8/78

asym_us_dd_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 498.793+/-0.083 χ^2/NDF:521291.4/22

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: 500.158+/-0.059 χ^2/NDF: 988808.7/44

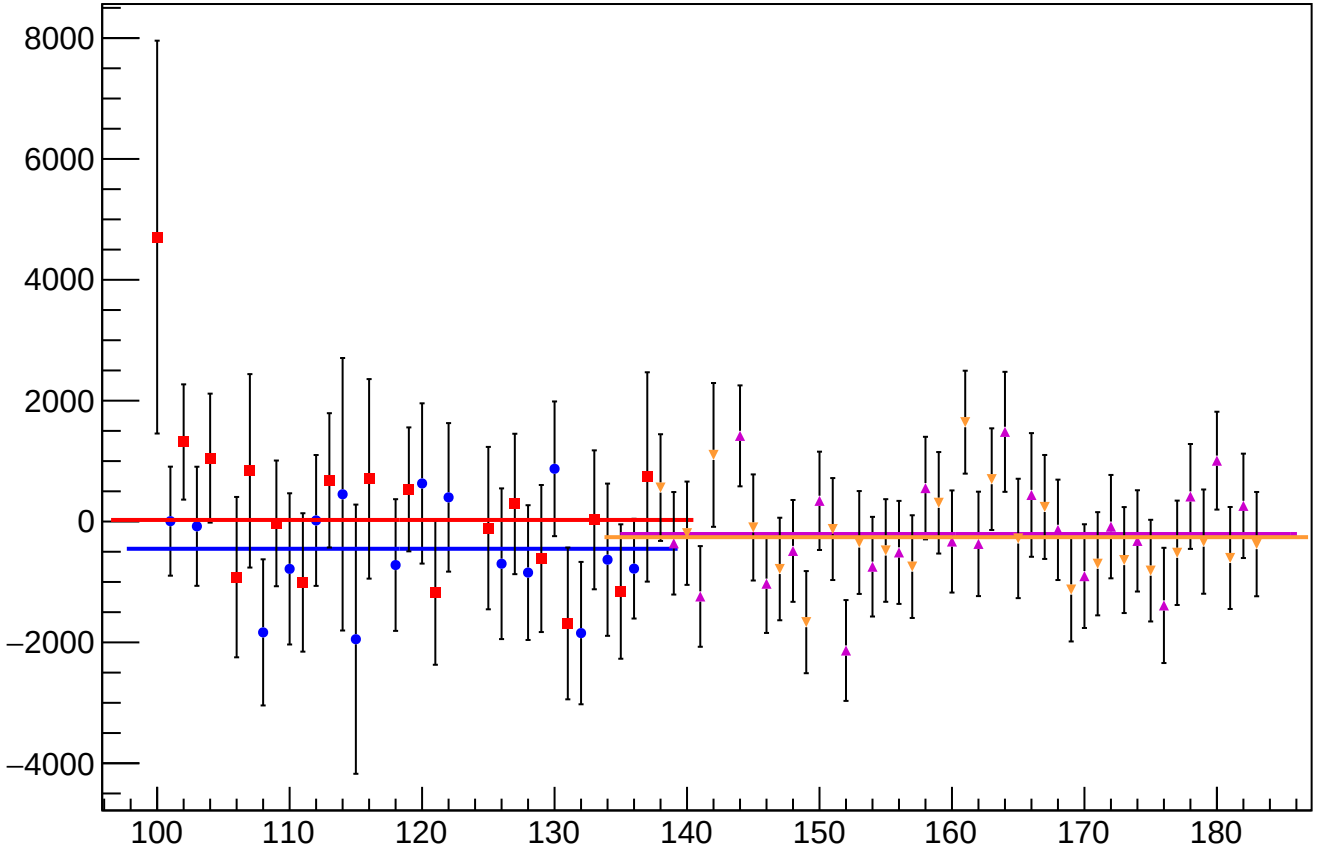
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 528.296+/-0.076 χ^2/NDF:2586108.4/40

All: 530.370+/-0.054 χ^2/NDF: 4899034.9/78

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -258.768+/-181.188 χ^2/NDF:15.1/22

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: -232.927+/-128.646 χ^2/NDF: 37.4/44

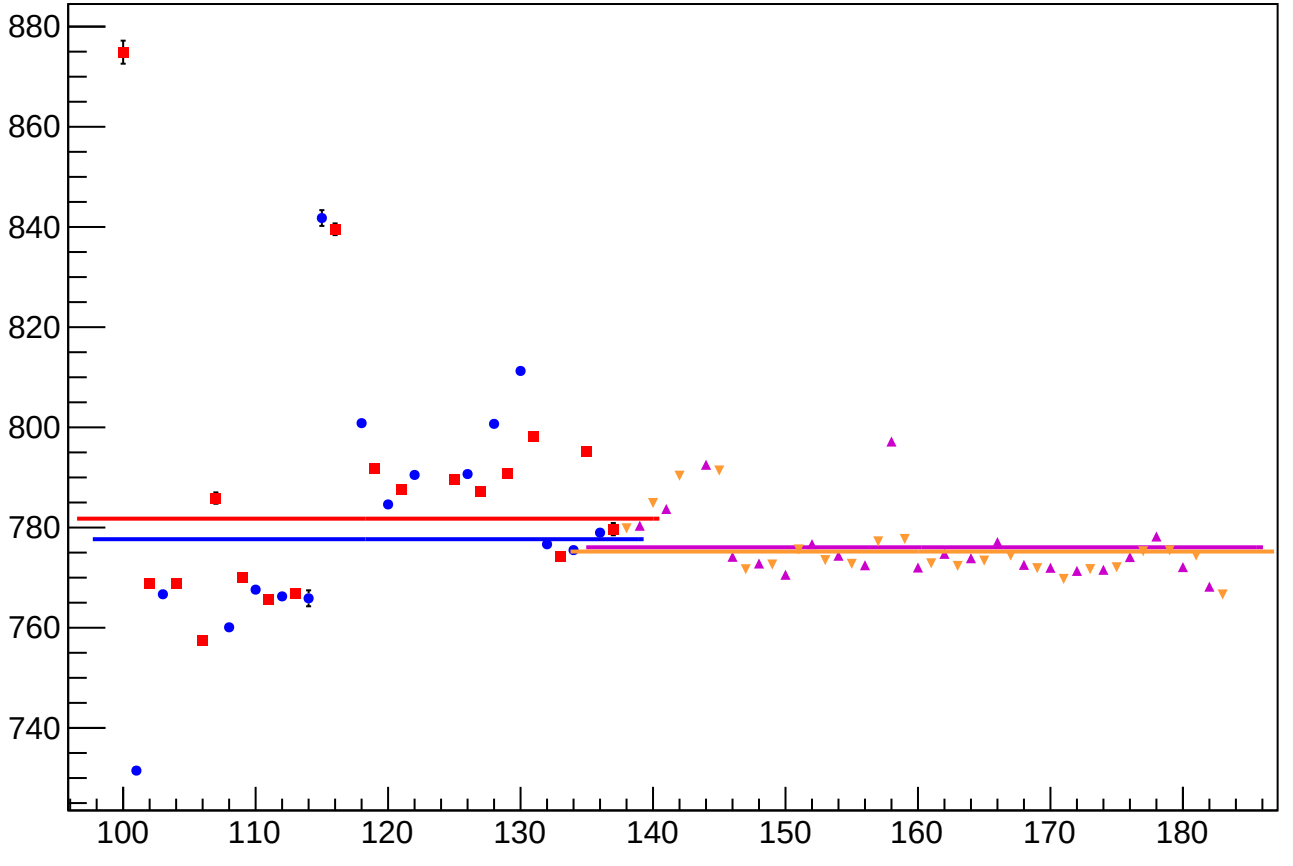
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

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

Out: -178.022+/-153.374 χ^2/NDF:27.5/40

All: -226.890+/-108.818 χ^2/NDF: 57.4/78

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 775.211+/-0.128 χ^2/NDF:1841.1/22

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

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

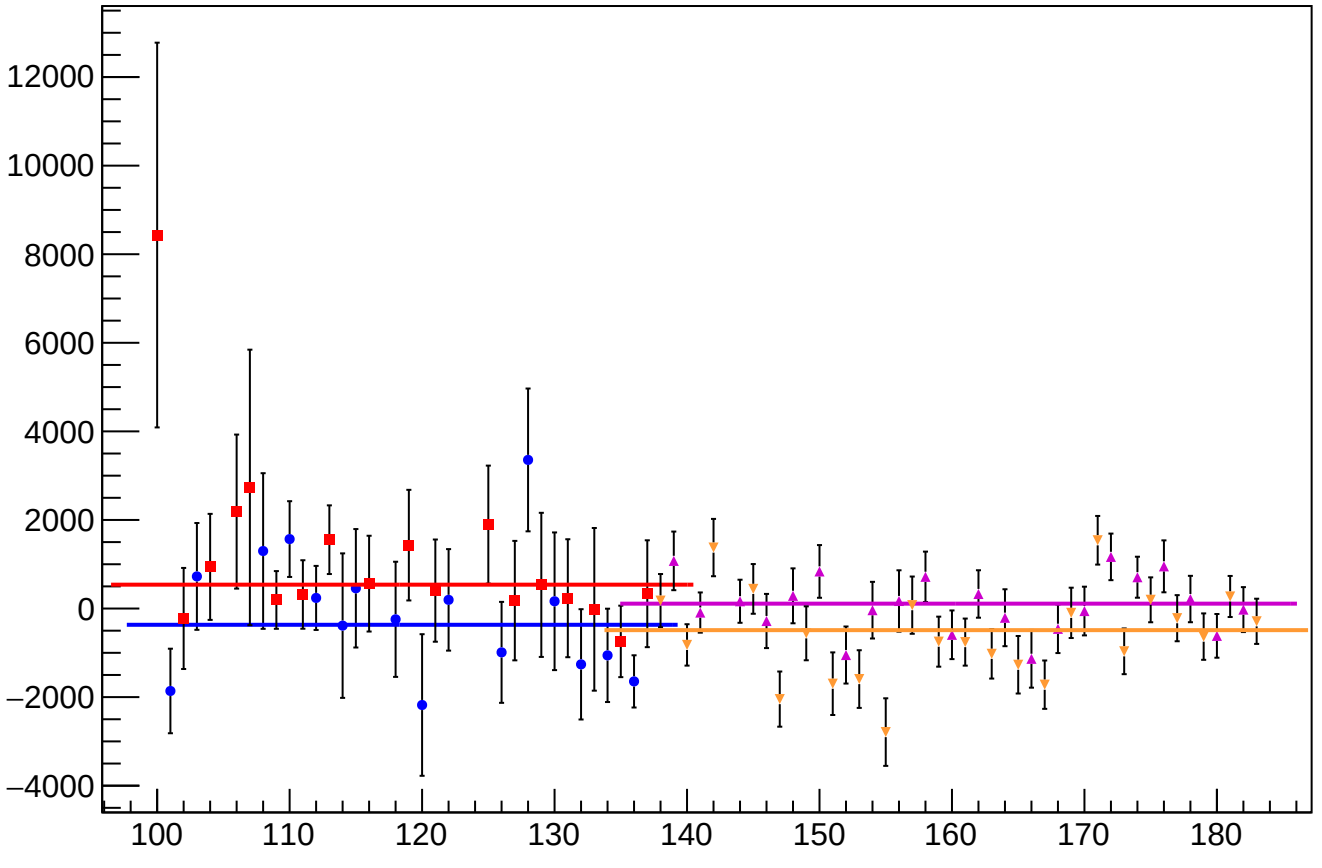
Left: 775.630+/-0.091 χ^2/NDF: 4770.3/44

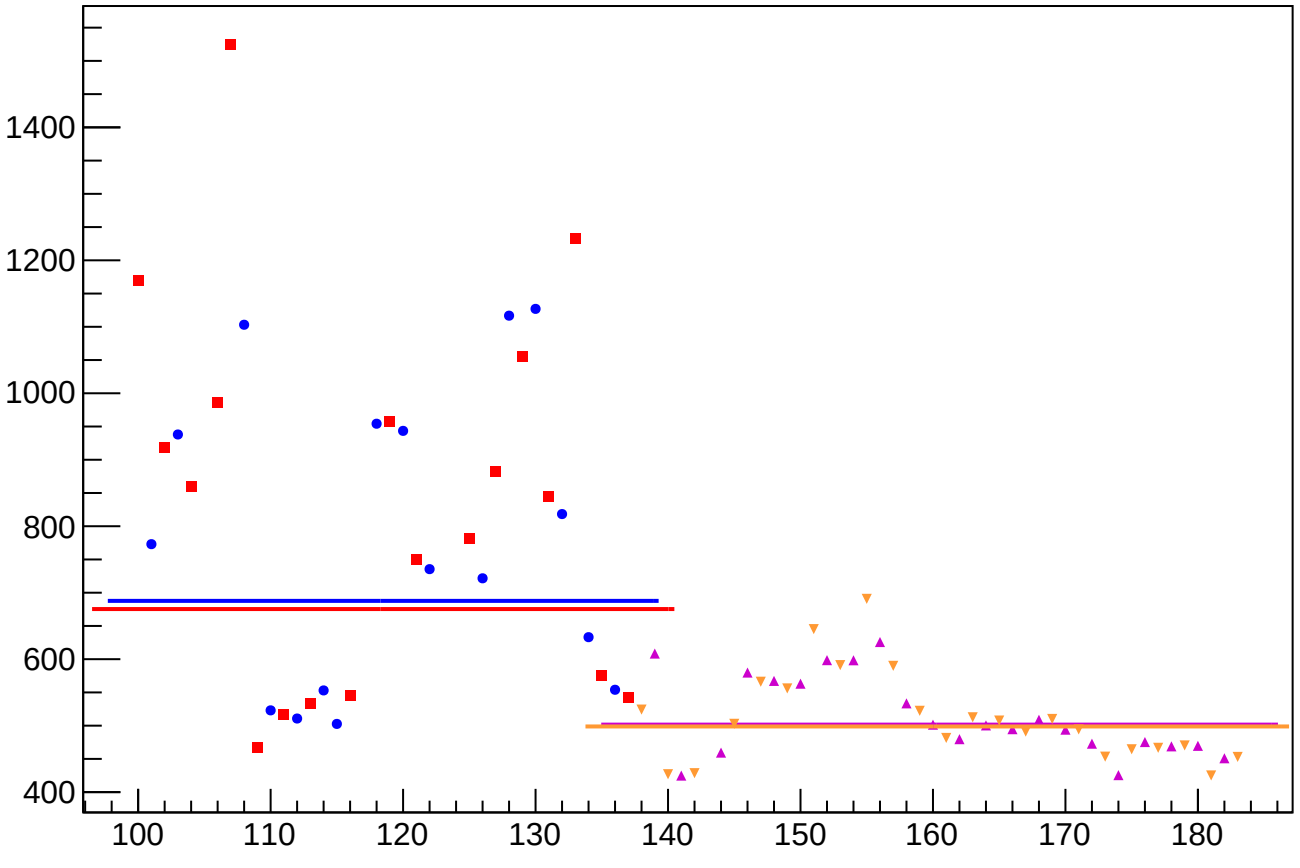
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

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

Out: 777.072+/-0.108 χ^2/NDF:10211.8/40

All: 776.797+/-0.077 χ^2/NDF: 25232.6/78


asym_us_dd_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: -367.008+/-266.698 χ²/NDF: 23.3/15
Left Out: -488.026+/-117.736 χ²/NDF:62.6/22
Right Out: 538.887+/-262.907 χ²/NDF: 11.7/17
Left In: 110.145+/-119.068 χ²/NDF:25.7/21
Left: -192.304+/-83.719 χ²/NDF: 101.1/44
Right: 92.424+/-187.229 χ²/NDF: 40.8/33
In: 30.845+/-108.724 χ²/NDF:51.6/37
Out: -316.484+/-107.453 χ²/NDF:87.0/40
All: -144.861+/-76.426 χ²/NDF: 143.8/78



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

Left Out: 498.793+/-0.083 χ^2/NDF:521291.4/22

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

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

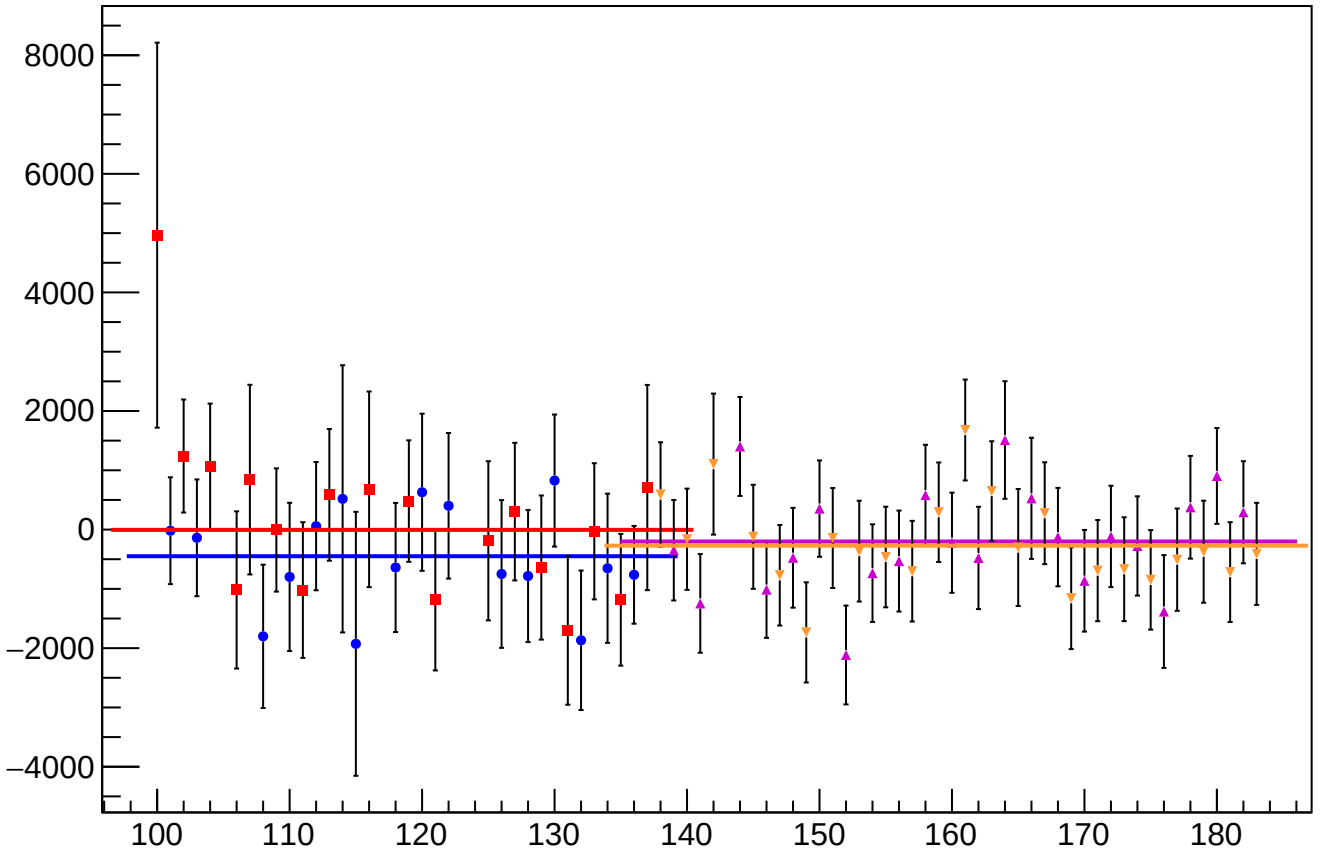
Left: 500.158+/-0.059 χ^2/NDF: 988808.7/44

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

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

Out: 528.296+/-0.076 χ^2/NDF:2586108.4/40

All: 530.370+/-0.054 χ^2/NDF: 4899034.9/78



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

Left Out: -271.691+/-180.976 χ^2/NDF:15.7/22

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

Left In: -201.286+/-182.473 χ^2/NDF:21.9/21

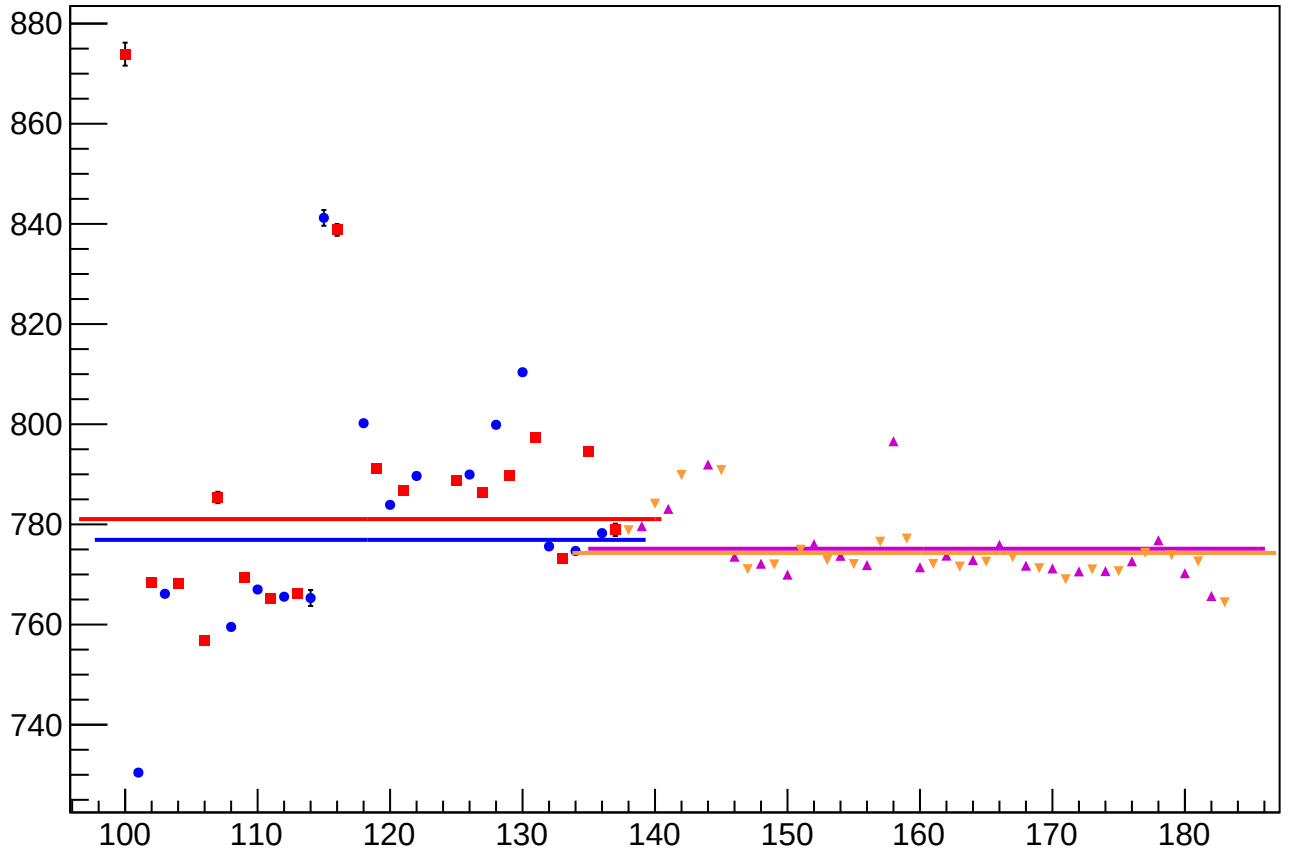
Left: -236.778+/-128.495 χ^2/NDF: 37.8/44

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

In: -272.130+/-154.241 χ^2/NDF:29.2/37

Out: -196.024+/-153.206 χ^2/NDF:28.2/40

All: -233.821+/-108.697 χ^2/NDF: 57.5/78



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

Left Out: 774.301+/-0.128 χ^2/NDF:1953.0/22

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

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

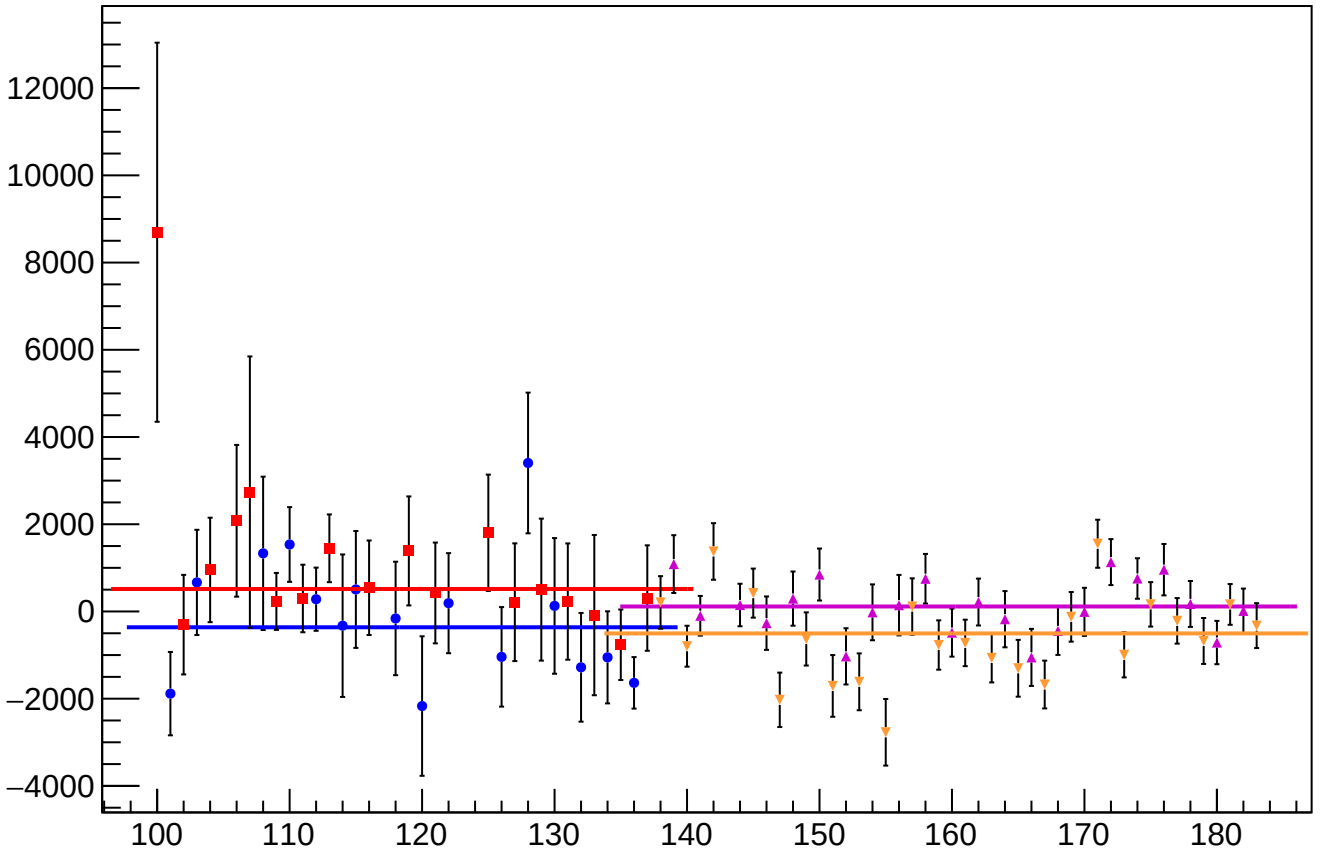
Left: 774.718+/-0.091 χ^2/NDF: 5037.7/44

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

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

Out: 776.216+/-0.108 χ^2/NDF:10329.6/40

All: 775.934+/-0.077 χ^2/NDF: 25583.7/78



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

Left Out: -503.711+/-118.119 χ^2/NDF:61.4/22

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

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

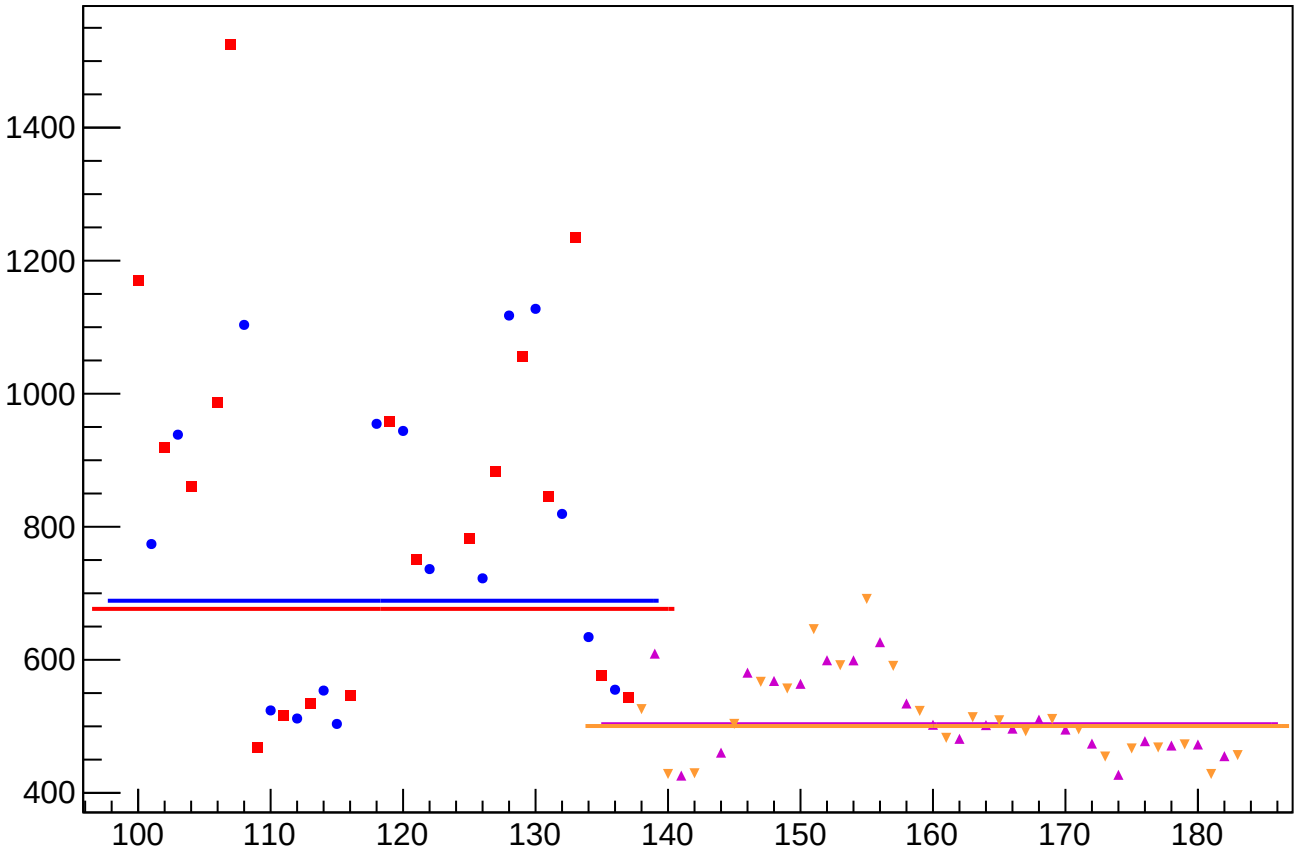
Left: -198.221+/-83.988 χ^2/NDF: 100.0/44

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

In: 34.672+/-109.039 χ^2/NDF:51.0/37

Out: -332.994+/-107.772 χ^2/NDF:85.3/40

All: -151.309+/-76.650 χ^2/NDF: 142.1/78



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

Left Out: 500.505+/-0.084 χ^2/NDF:510547.3/22

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

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

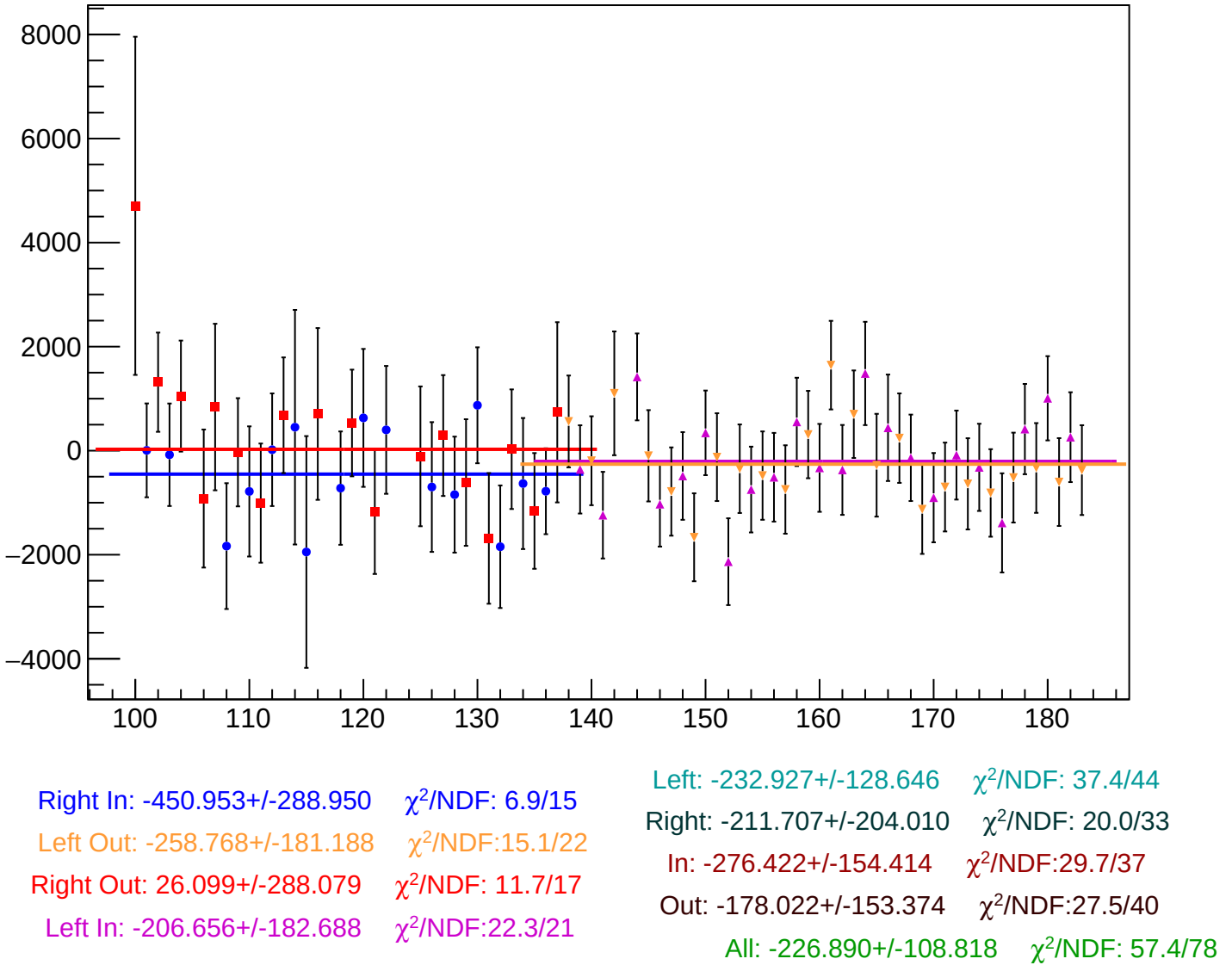
Left: 501.848+/-0.059 χ^2/NDF: 968913.2/44

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

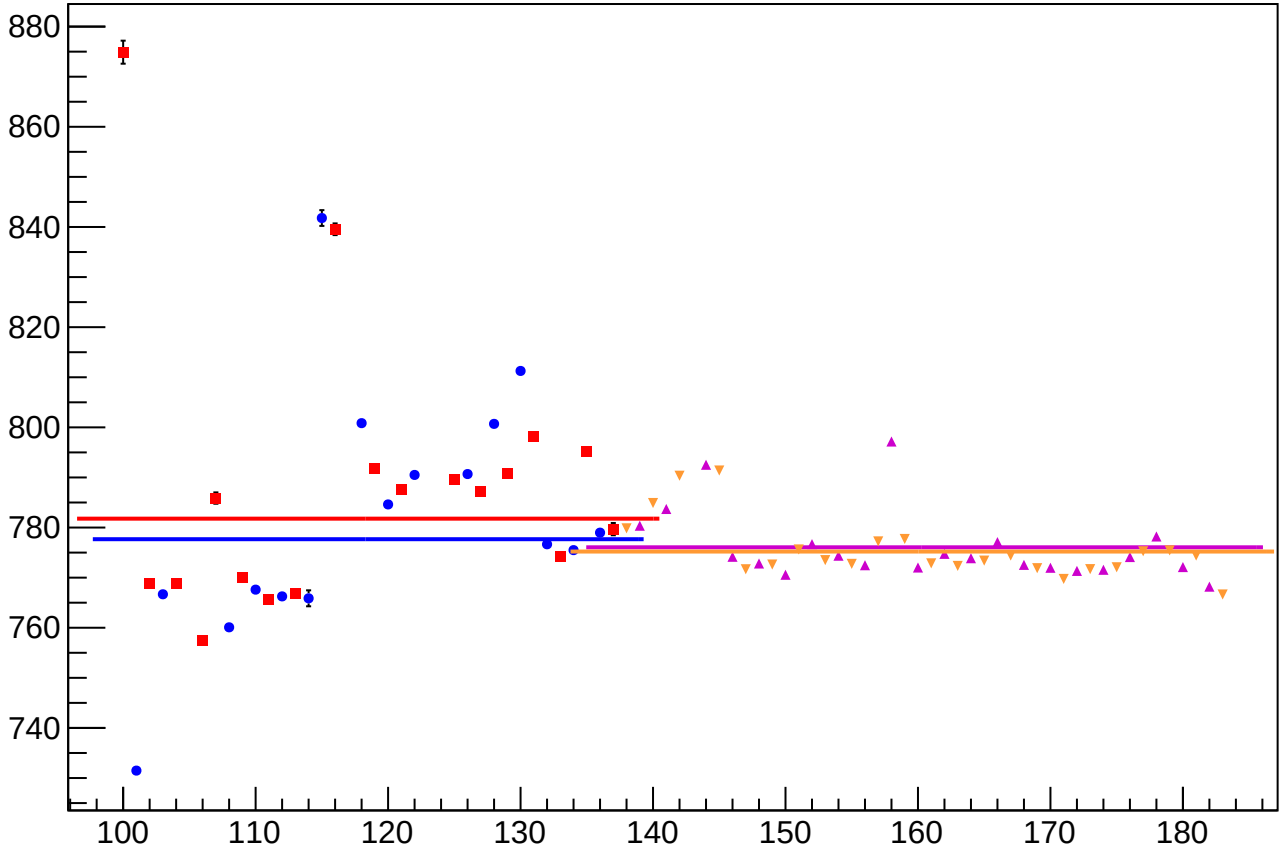
In: 534.157+/-0.077 χ^2/NDF:2290847.5/37

Out: 530.002+/-0.076 χ^2/NDF:2563050.8/40

All: 532.055+/-0.054 χ^2/NDF: 4855367.2/78


eigen_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: -450.953+/-288.950 χ²/NDF: 6.9/15
Left Out: -258.768+/-181.188 χ²/NDF:15.1/22
Right Out: 26.099+/-288.079 χ²/NDF: 11.7/17
Left In: -206.656+/-182.688 χ²/NDF:22.3/21
Left: -232.927+/-128.646 χ²/NDF: 37.4/44
Right: -211.707+/-204.010 χ²/NDF: 20.0/33
In: -276.422+/-154.414 χ²/NDF:29.7/37
Out: -178.022+/-153.374 χ²/NDF:27.5/40
All: -226.890+/-108.818 χ²/NDF: 57.4/78

eigen_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 775.211+/-0.128 χ^2/NDF:1841.1/22

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

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

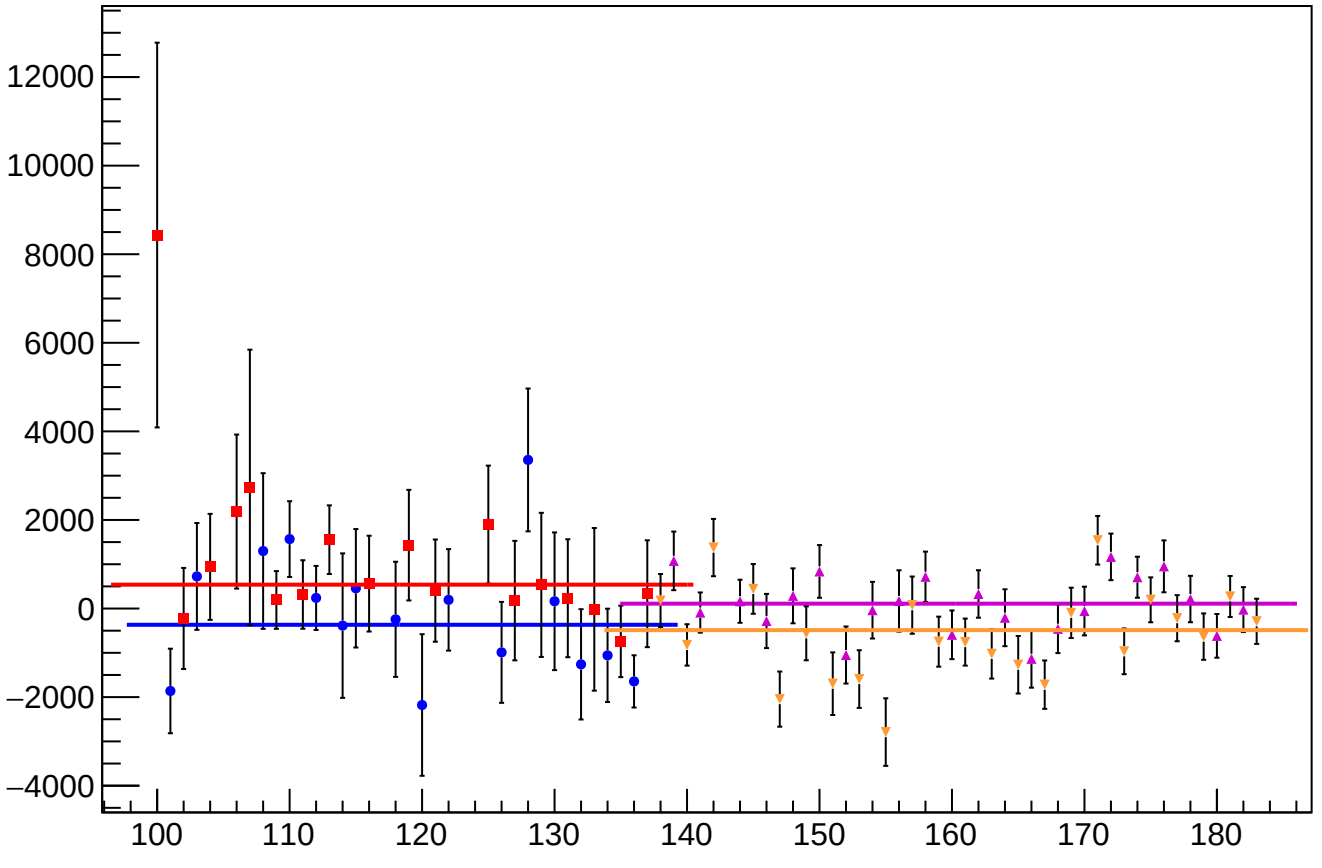
Left: 775.630+/-0.091 χ^2/NDF: 4770.3/44

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

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

Out: 777.072+/-0.108 χ^2/NDF:10211.8/40

All: 776.797+/-0.077 χ^2/NDF: 25232.6/78



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

Left Out: -488.026+/-117.736 χ^2/NDF:62.6/22

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

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

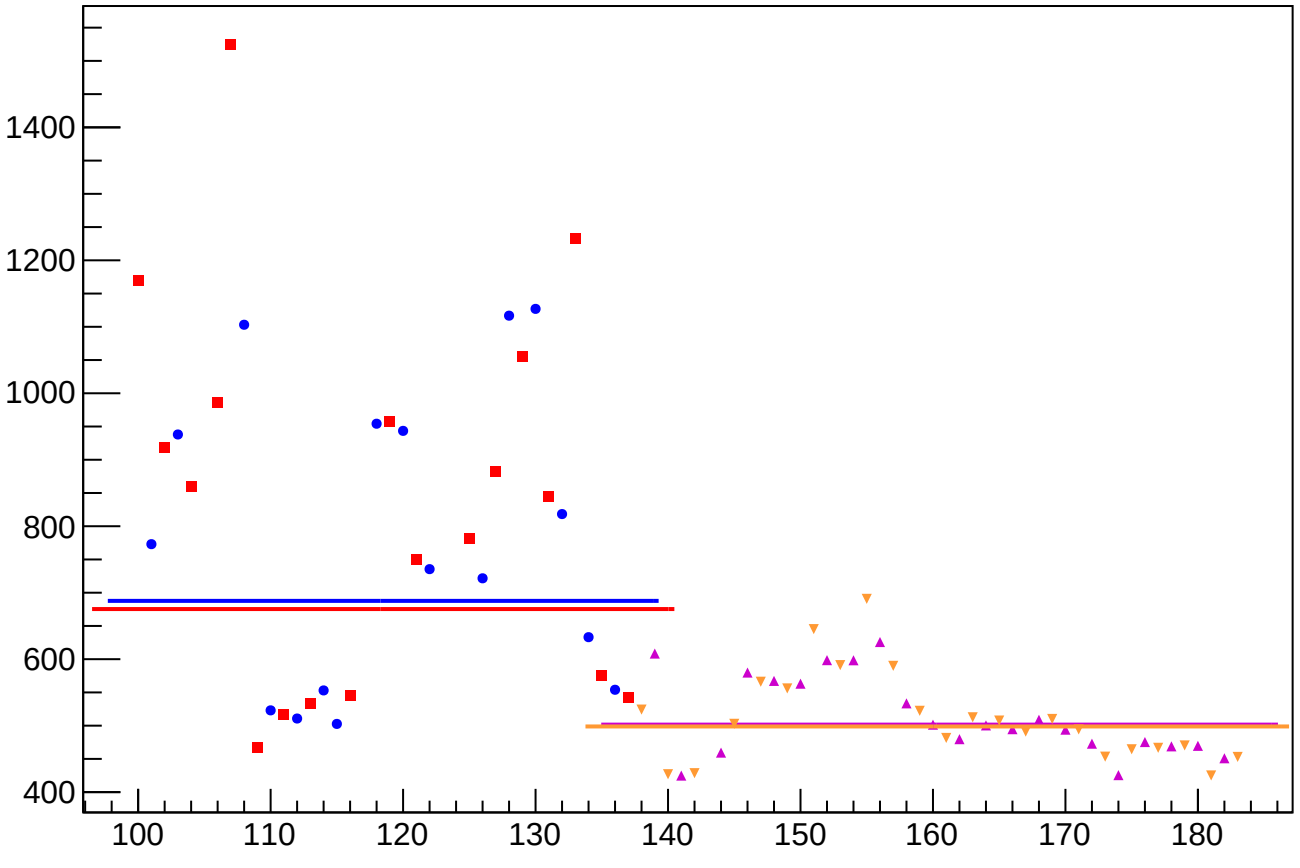
Left: -192.304+/-83.719 χ^2/NDF: 101.1/44

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

In: 30.845+/-108.724 χ^2/NDF:51.6/37

Out: -316.484+/-107.453 χ^2/NDF:87.0/40

All: -144.861+/-76.426 χ^2/NDF: 143.8/78



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

Left Out: 498.793+/-0.083 χ^2/NDF:521291.4/22

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: 500.158+/-0.059 χ^2/NDF: 988808.7/44

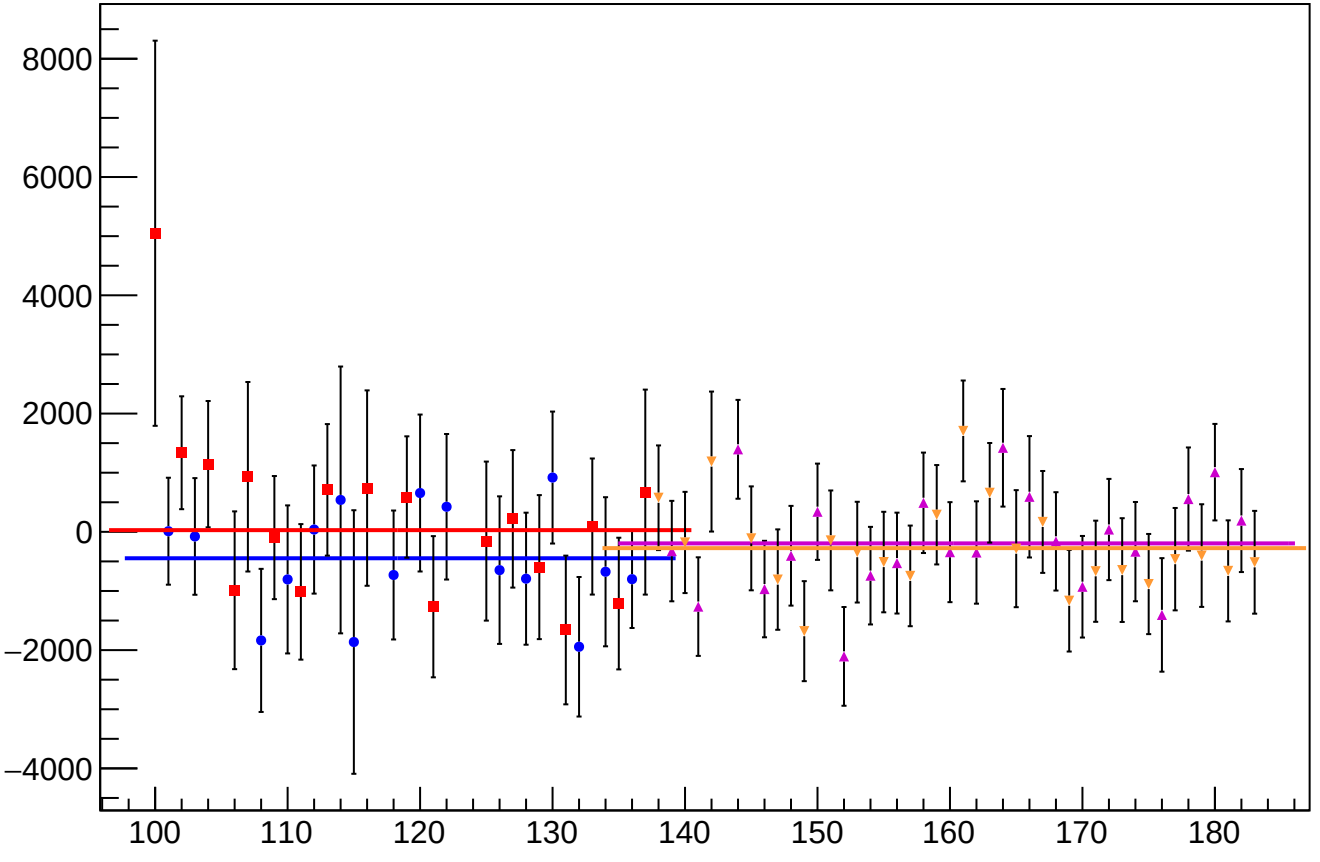
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 528.296+/-0.076 χ^2/NDF:2586108.4/40

All: 530.370+/-0.054 χ^2/NDF: 4899034.9/78

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -275.471+/-181.595 χ^2/NDF:15.7/22

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: -235.634+/-128.924 χ^2/NDF: 37.8/44

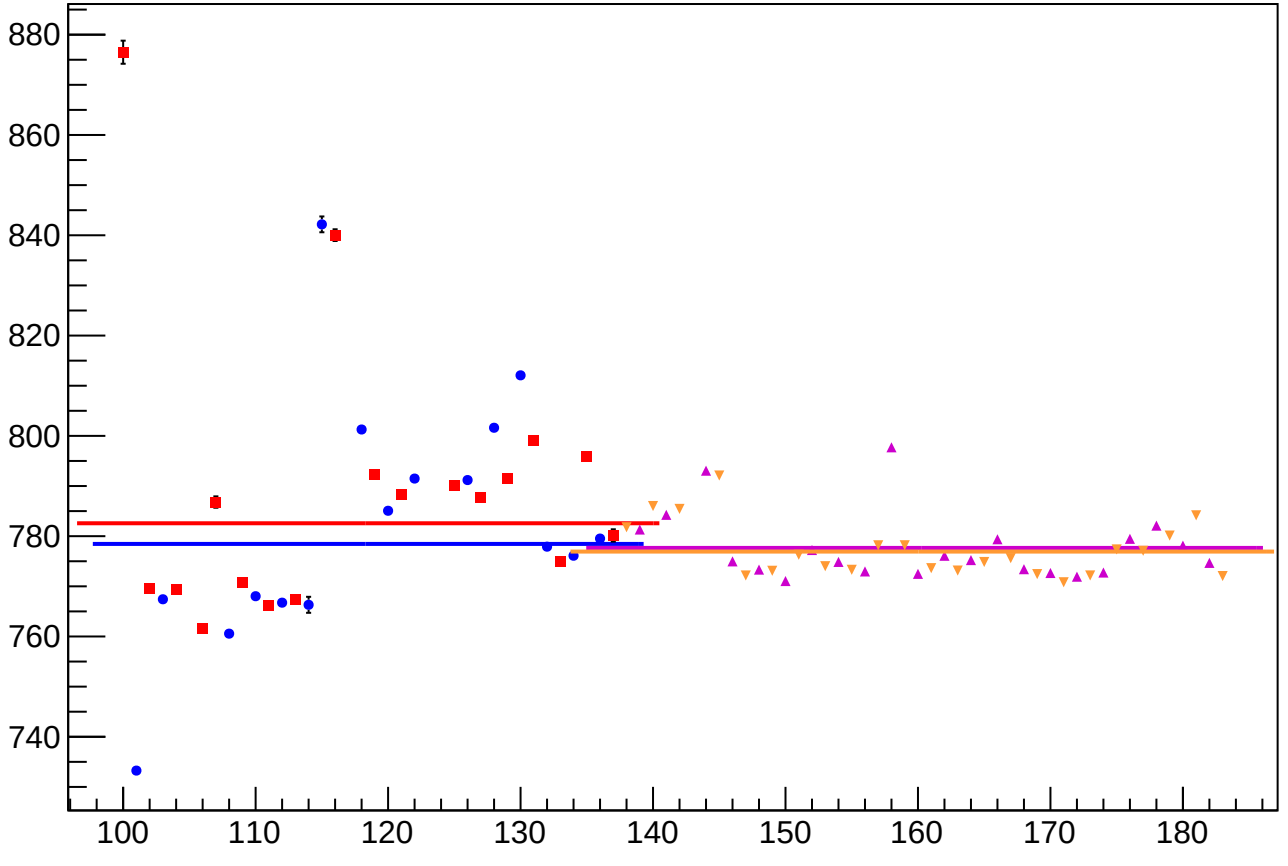
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

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

Out: -189.077+/-153.665 χ^2/NDF:29.2/40

All: -227.823+/-109.017 χ^2/NDF: 59.1/78

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 776.929+/-0.128 χ^2/NDF:1692.5/22

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: 777.291+/-0.091 χ^2/NDF: 4416.3/44

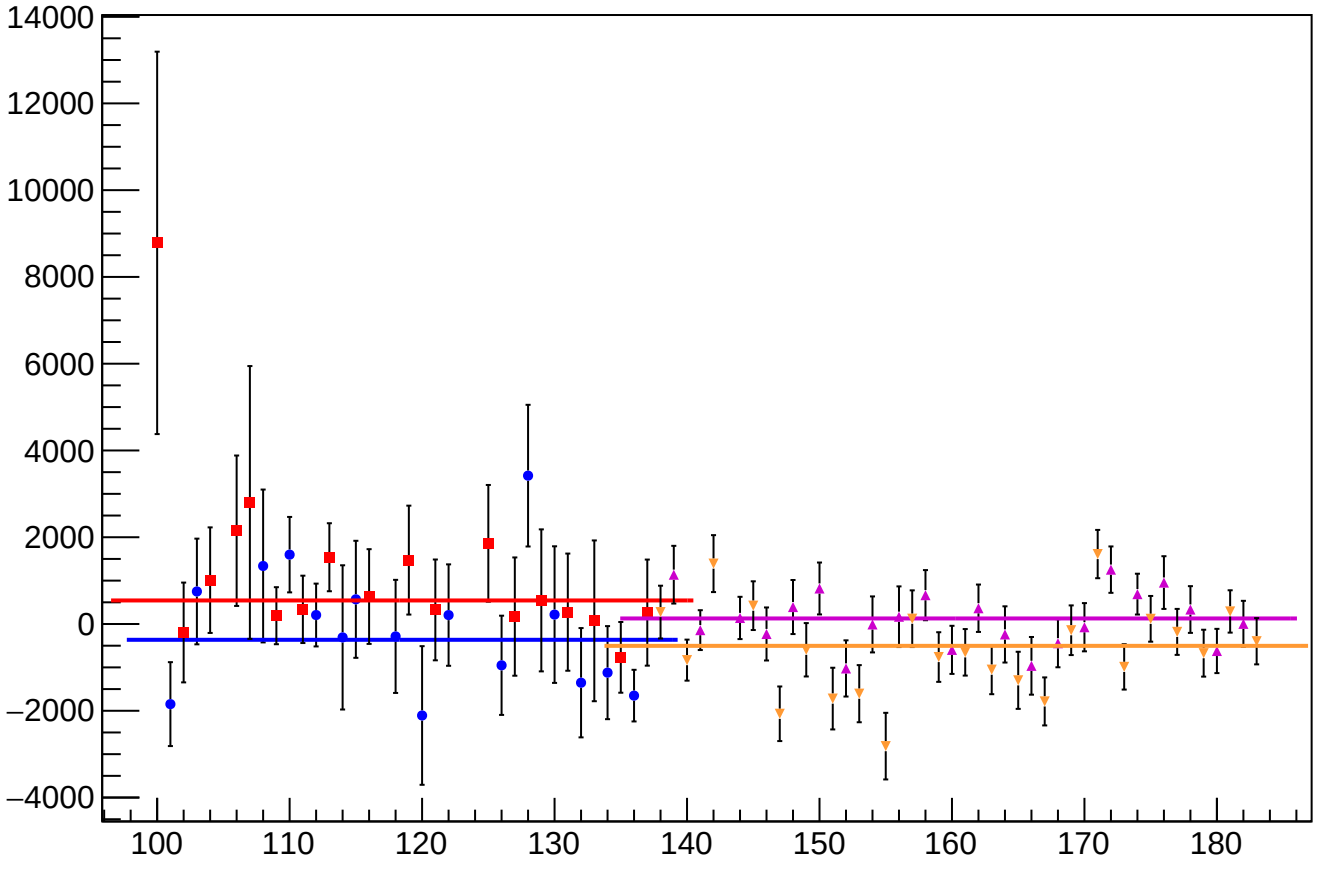
Right: 780.522+/-0.144 χ^2/NDF: 19480.1/33

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

Out: 778.532+/-0.109 χ^2/NDF:9722.9/40

All: 778.212+/-0.077 χ^2/NDF: 24254.3/78

asym_us_dd_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: -503.456+/-119.836 χ^2/NDF:63.4/22

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: -190.549+/-85.108 χ^2/NDF: 101.9/44

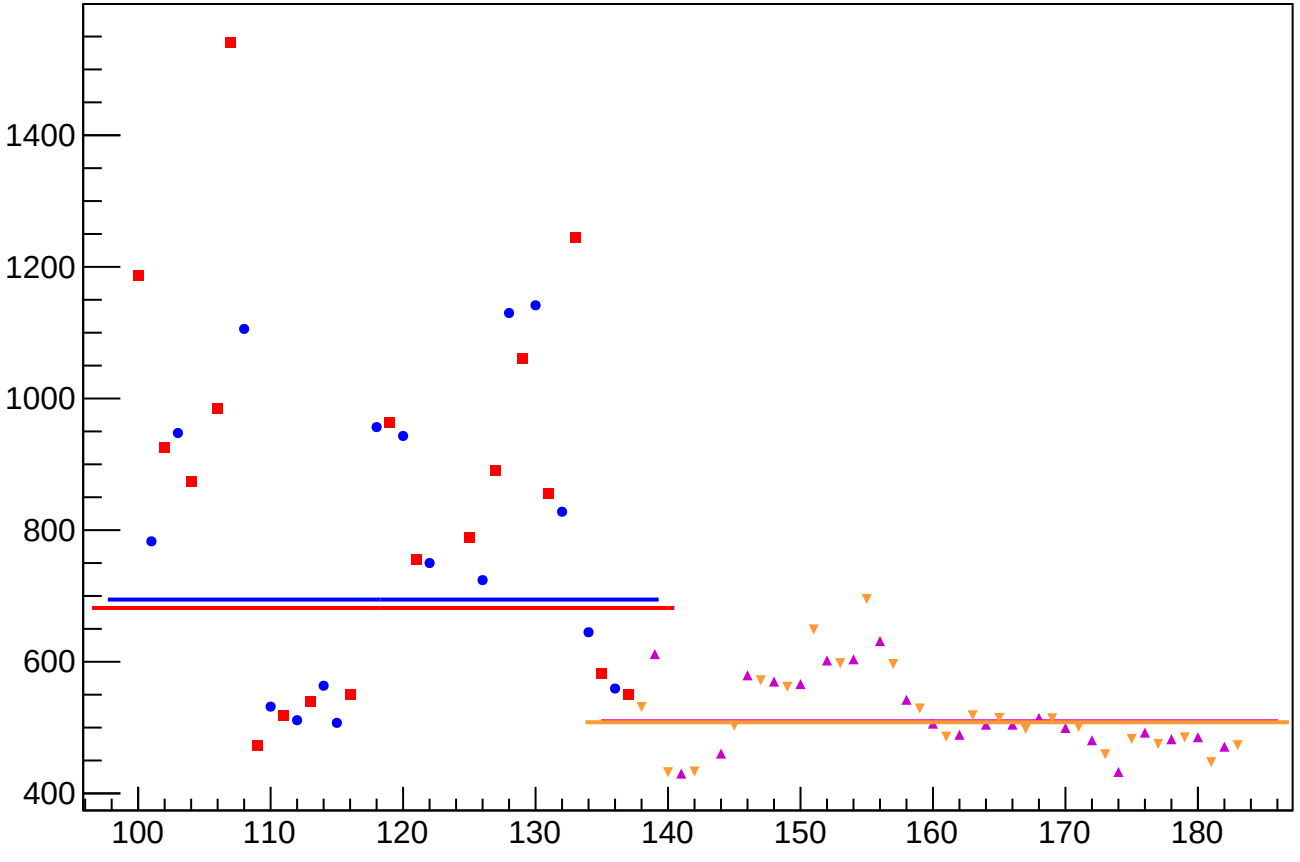
Right: 96.308+/-188.989 χ^2/NDF: 40.8/33

In: 45.410+/-110.291 χ^2/NDF:50.8/37

Out: -326.116+/-109.210 χ^2/NDF:88.1/40

All: -142.183+/-77.602 χ^2/NDF: 144.6/78

asym_us_dd_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 508.114+/-0.085 χ^2/NDF:468841.1/22

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

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

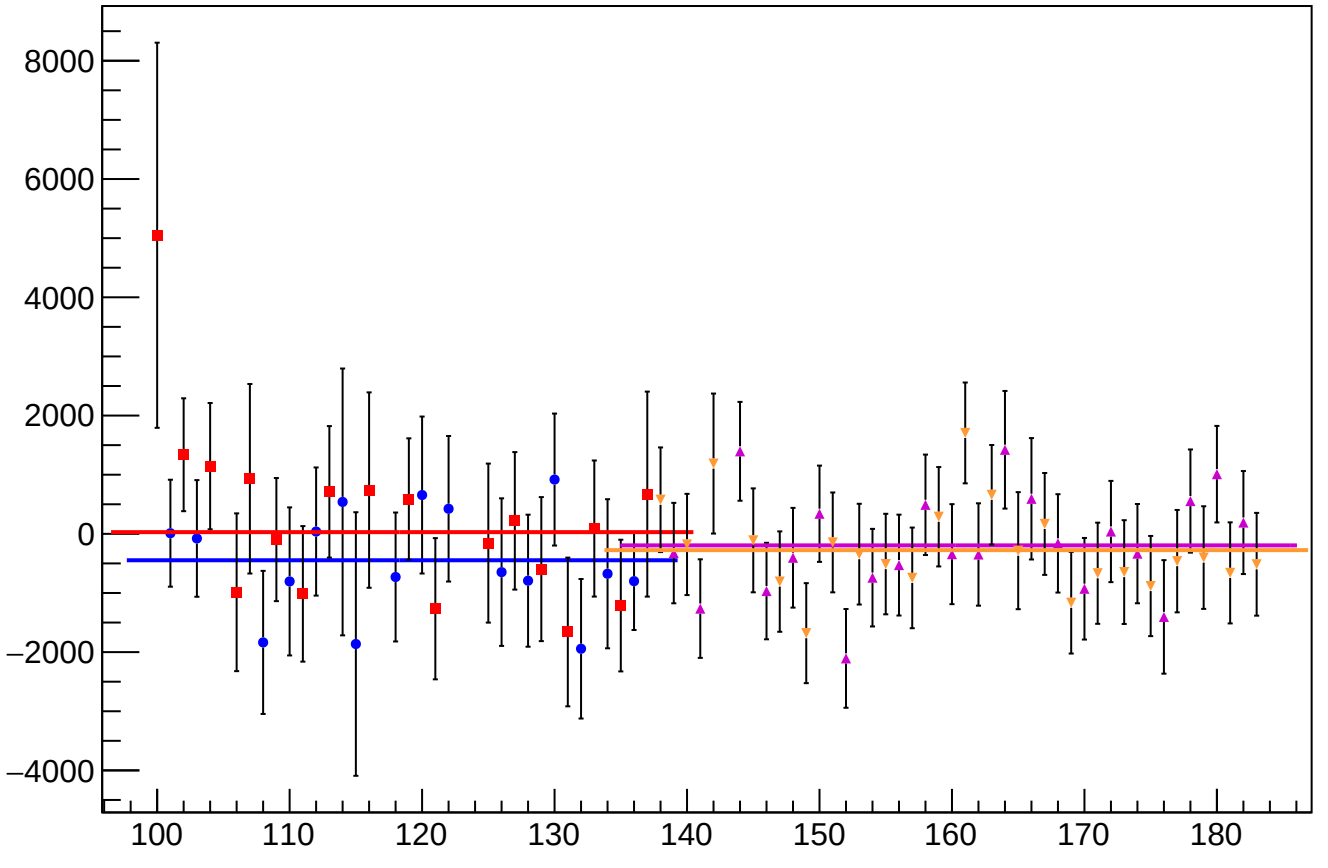
Left: 508.858+/-0.060 χ^2/NDF: 894937.5/44

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

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

Out: 537.542+/-0.077 χ^2/NDF:2491765.8/40

All: 539.068+/-0.055 χ^2/NDF: 4733062.8/78



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

Left Out: -275.472+/-181.595 χ^2/NDF:15.7/22

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

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

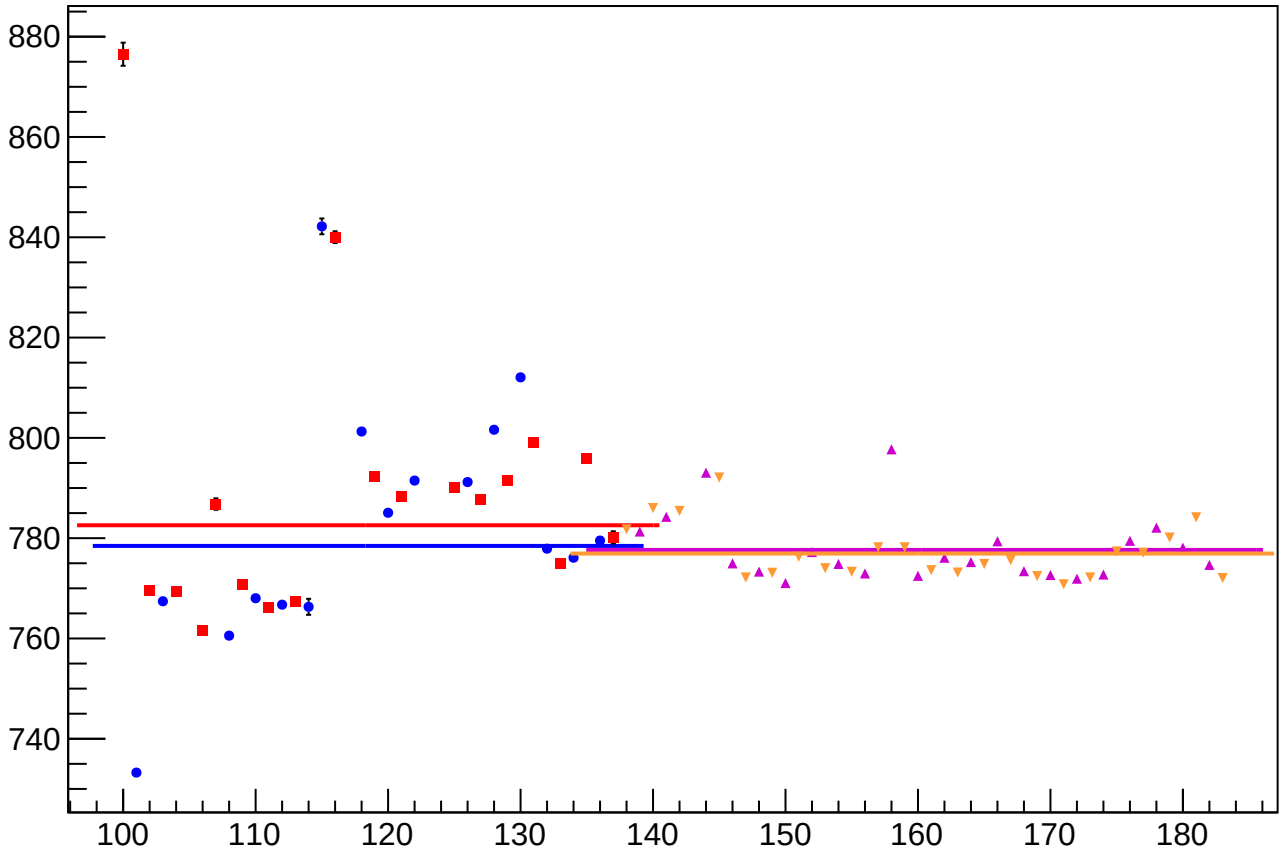
Left: -235.634+/-128.924 χ^2/NDF: 37.8/44

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

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

Out: -189.078+/-153.665 χ^2/NDF:29.2/40

All: -227.823+/-109.017 χ^2/NDF: 59.1/78



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

Left Out: 776.929+/-0.128 χ^2/NDF:1692.5/22

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

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

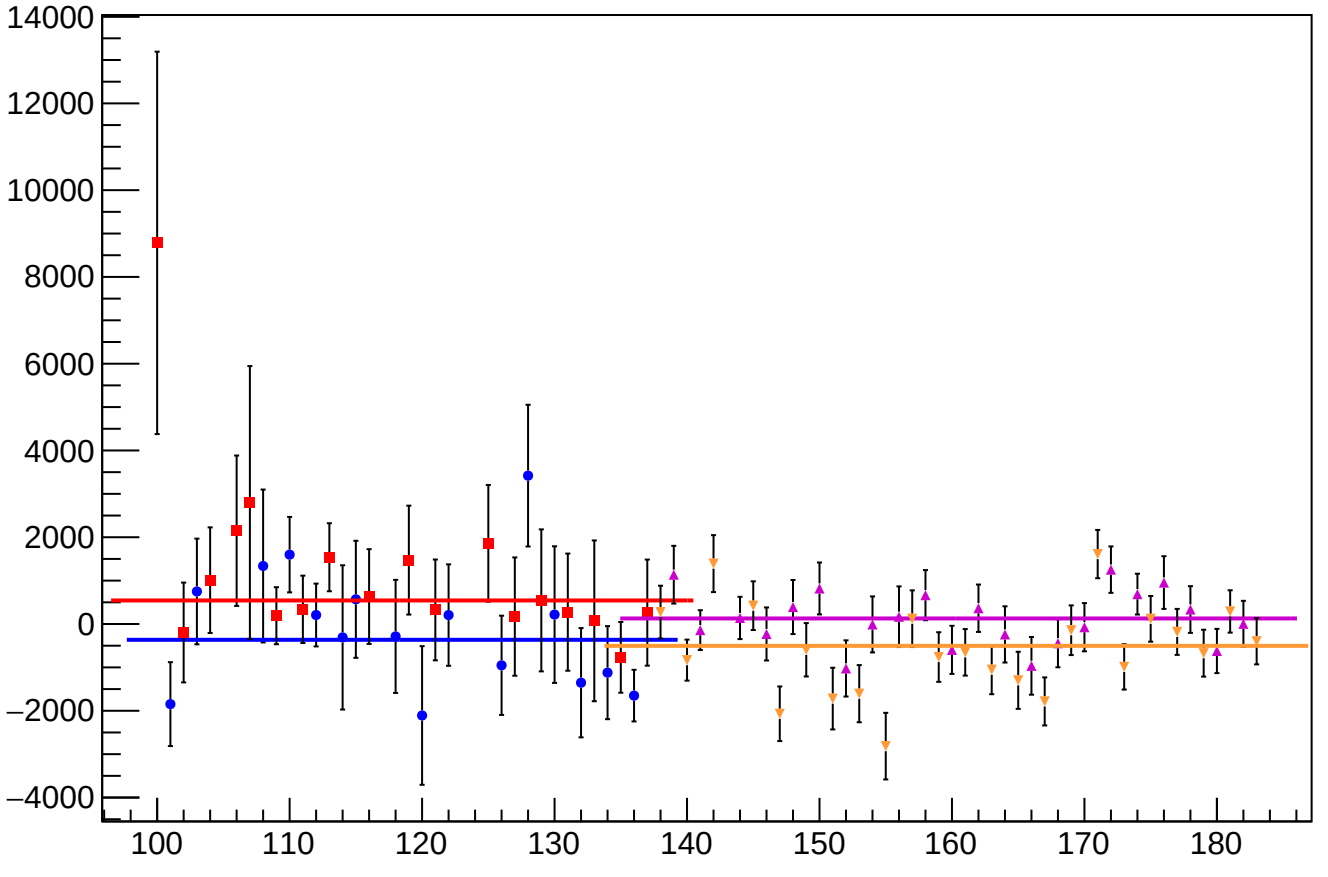
Left: 777.291+/-0.091 χ^2/NDF: 4416.3/44

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

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

Out: 778.532+/-0.109 χ^2/NDF:9722.9/40

All: 778.212+/-0.077 χ^2/NDF: 24254.2/78



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

Left Out: -503.456+/-119.836 χ^2/NDF:63.4/22

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

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

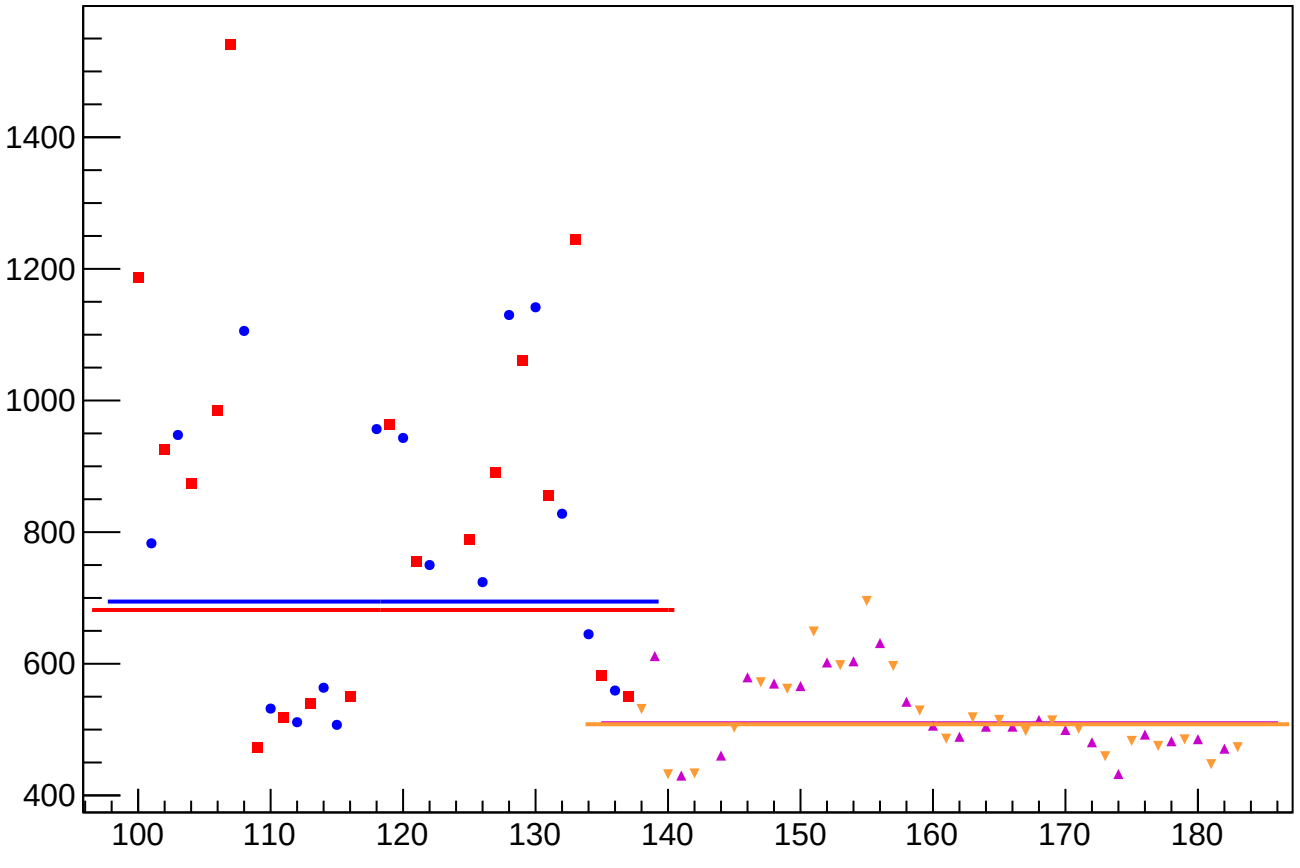
Left: -190.549+/-85.108 χ^2/NDF: 101.9/44

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

In: 45.410+/-110.291 χ^2/NDF:50.8/37

Out: -326.115+/-109.210 χ^2/NDF:88.1/40

All: -142.183+/-77.602 χ^2/NDF: 144.6/78



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

Left Out: 508.114+/-0.085 χ^2/NDF:468851.2/22

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: 508.858+/-0.060 χ^2/NDF: 894962.1/44

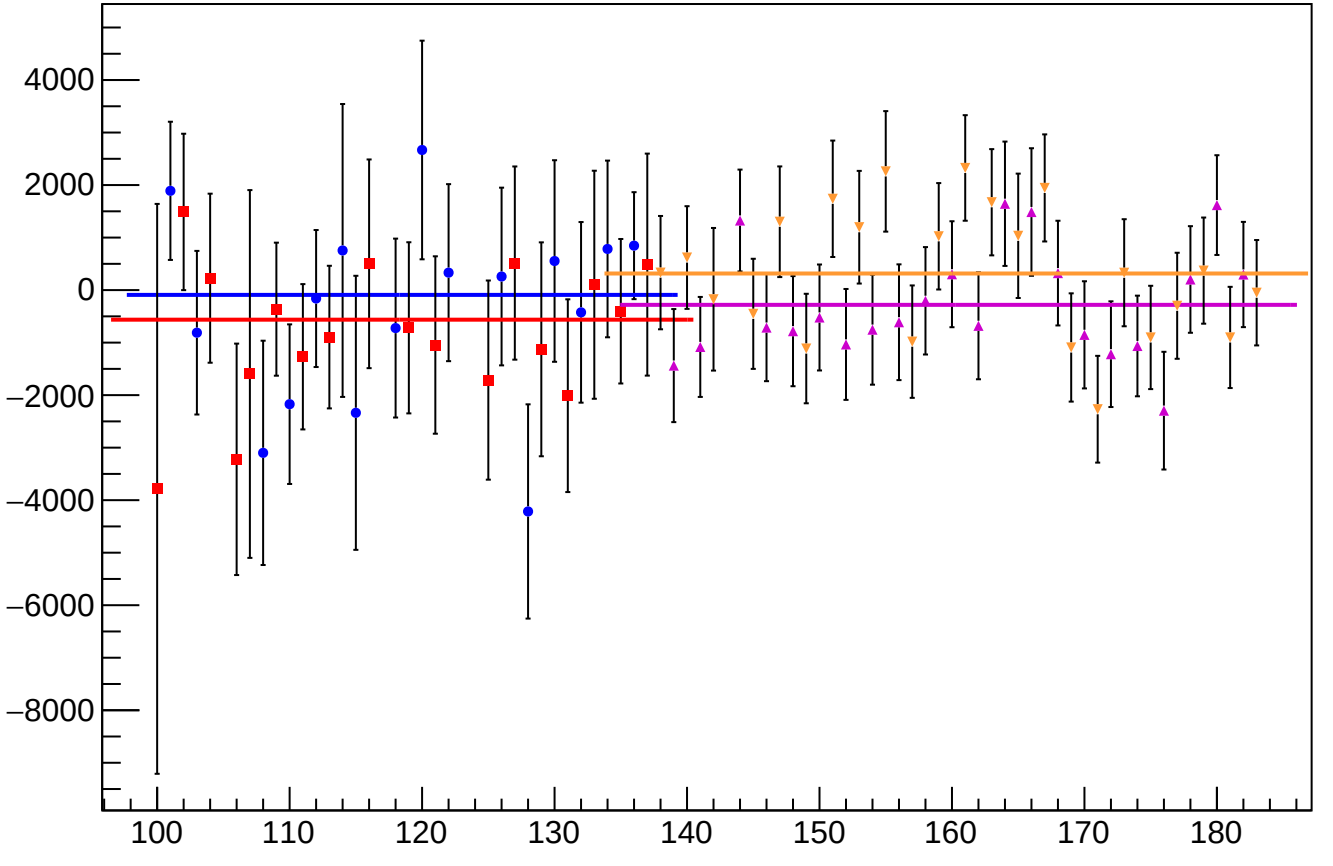
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

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

Out: 537.542+/-0.077 χ^2/NDF:2491772.2/40

All: 539.068+/-0.055 χ^2/NDF: 4733072.5/78

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 315.921+/-217.971 χ^2/NDF:31.4/22

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: 19.794+/-154.722 χ^2/NDF: 56.2/44

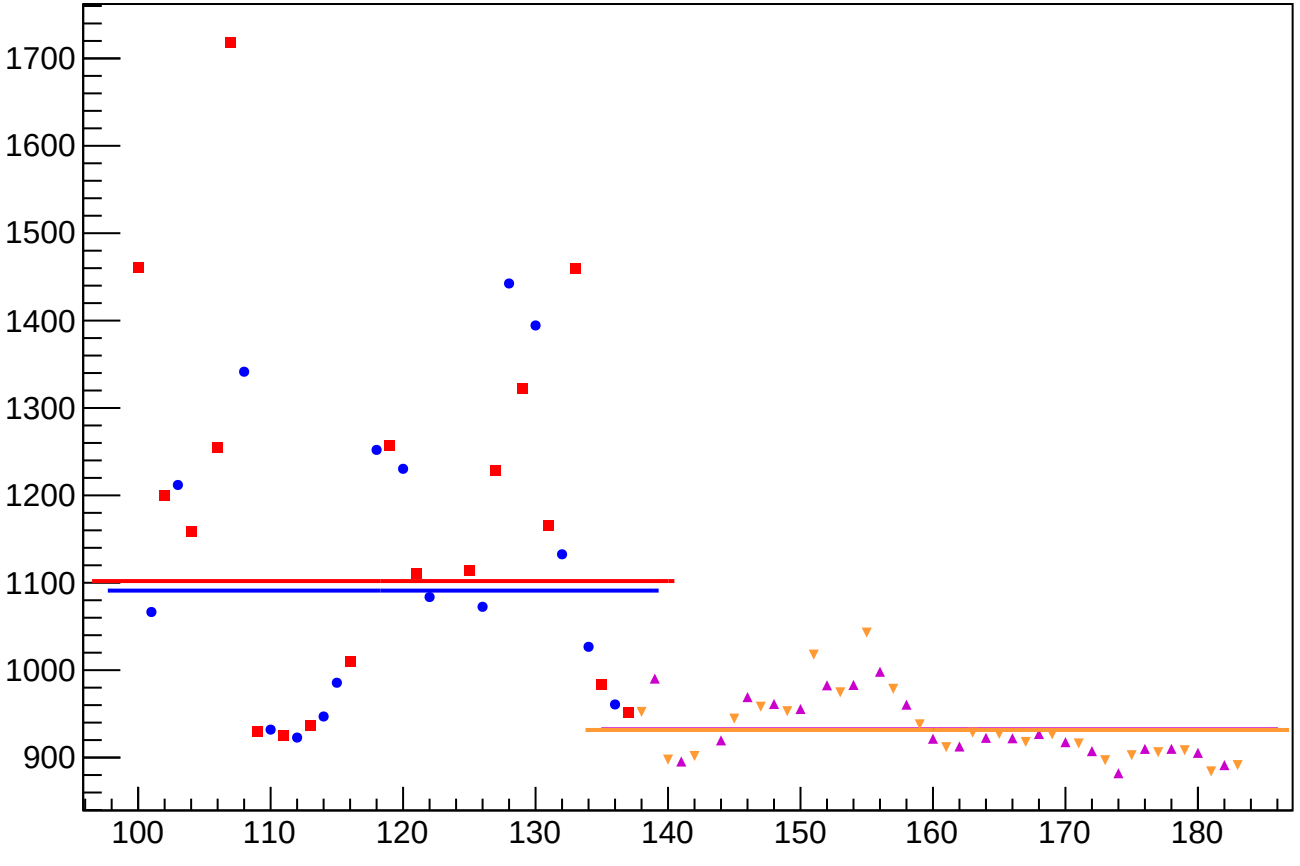
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

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

Out: 123.330+/-192.624 χ^2/NDF:41.4/40

All: -56.724+/-136.556 χ^2/NDF: 79.0/78

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 931.581+/-0.154 χ^2/NDF:60762.4/22

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

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

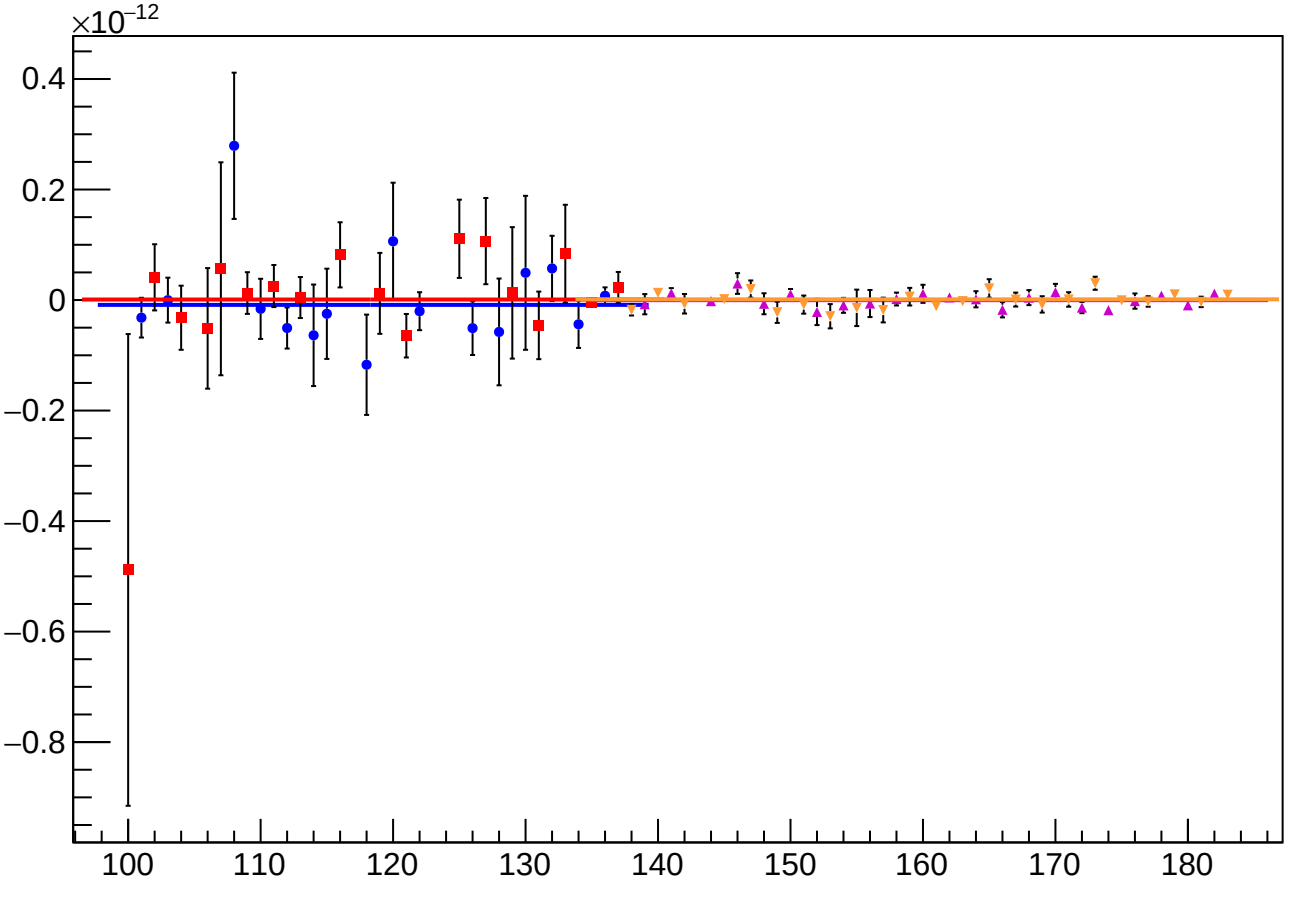
Left: 931.969+/-0.109 χ^2/NDF: 108208.3/44

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

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

Out: 968.901+/-0.136 χ^2/NDF:656522.3/40

All: 968.332+/-0.097 χ^2/NDF: 1214093.9/78



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

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/22

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

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

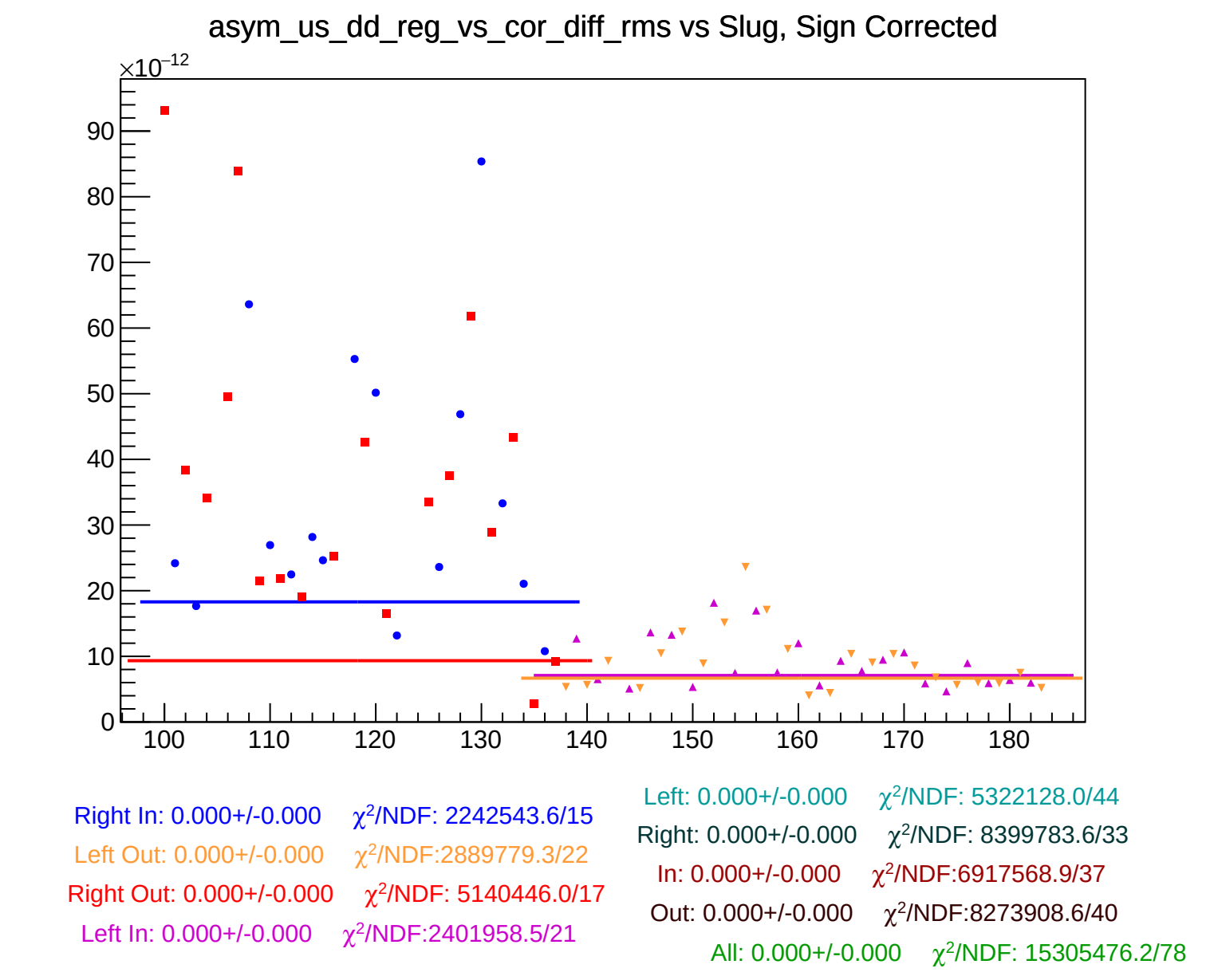
Left: 0.000+/-0.000 χ^2/NDF: 47.9/44

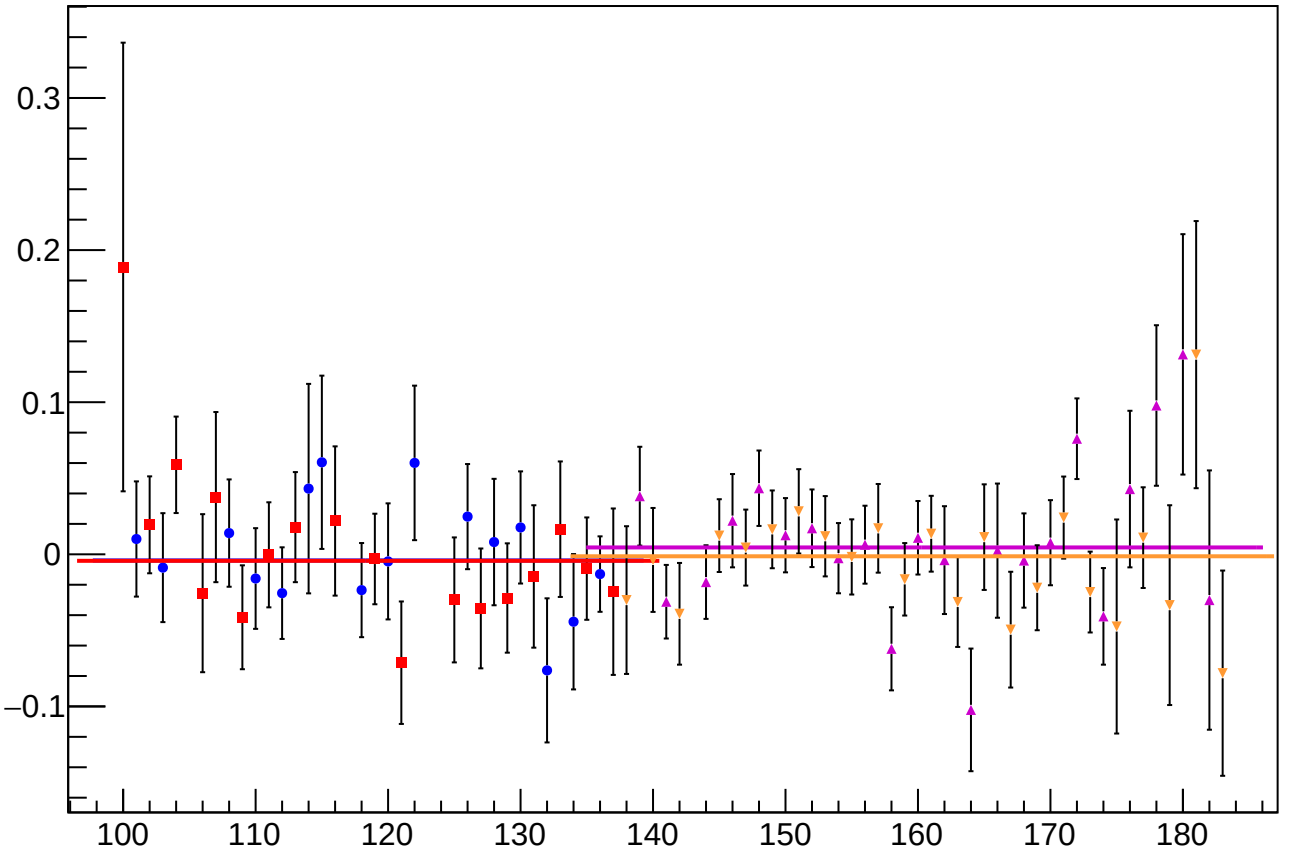
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: -0.000+/-0.000 χ^2/NDF:36.6/37

Out: 0.000+/-0.000 χ^2/NDF:40.0/40

All: 0.000+/-0.000 χ^2/NDF: 76.9/78


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:2889779.3/22
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: 5322128.0/44
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:8273908.6/40
All: 0.000+/-0.000 χ²/NDF: 15305476.2/78



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

Left Out: -0.001+/-0.006 χ^2/NDF:14.4/22

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

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

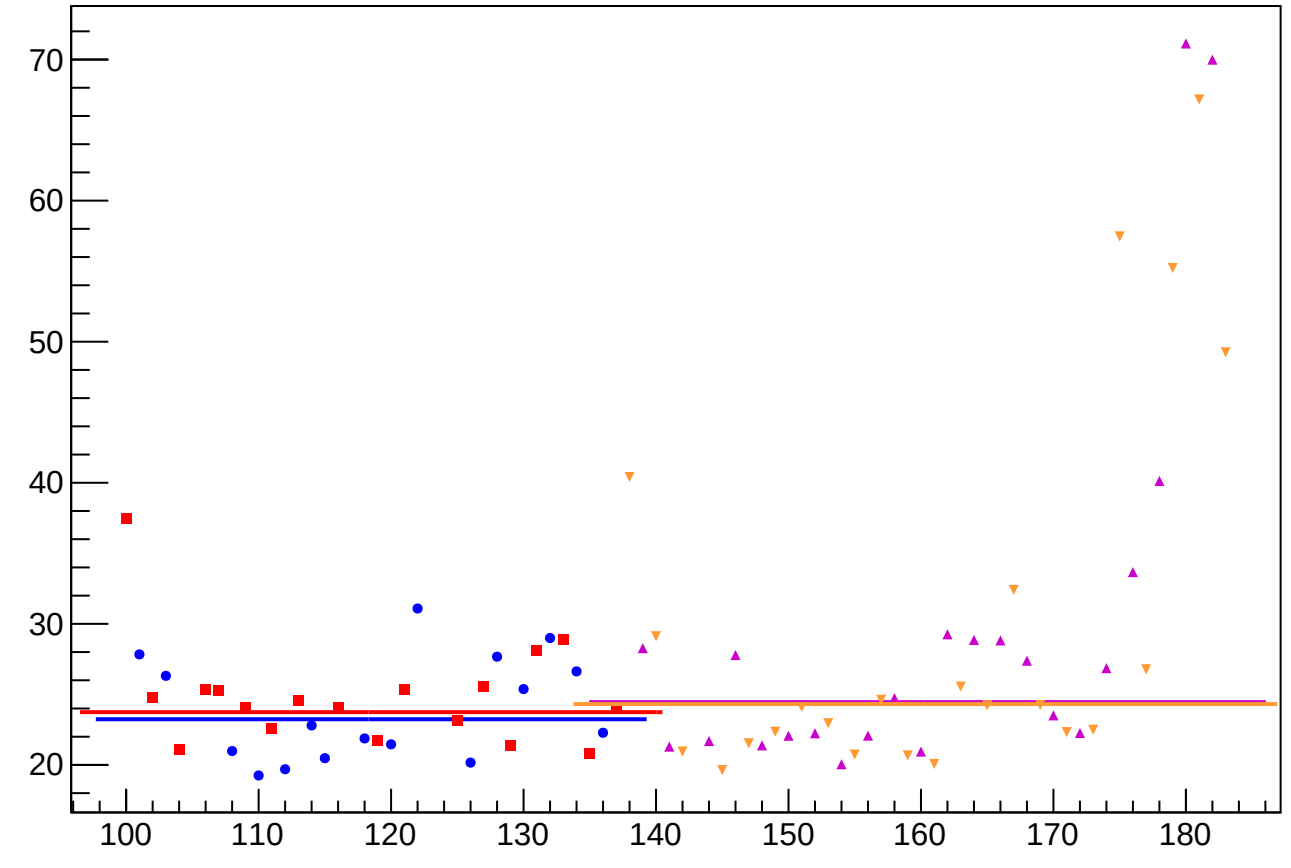
Left: 0.002+/-0.005 χ^2/NDF: 51.1/44

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:28.0/40

All: -0.000+/-0.004 χ^2/NDF: 74.3/78



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

Left Out: 24.314+/-0.005 χ^2/NDF:2306556.5/22

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

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

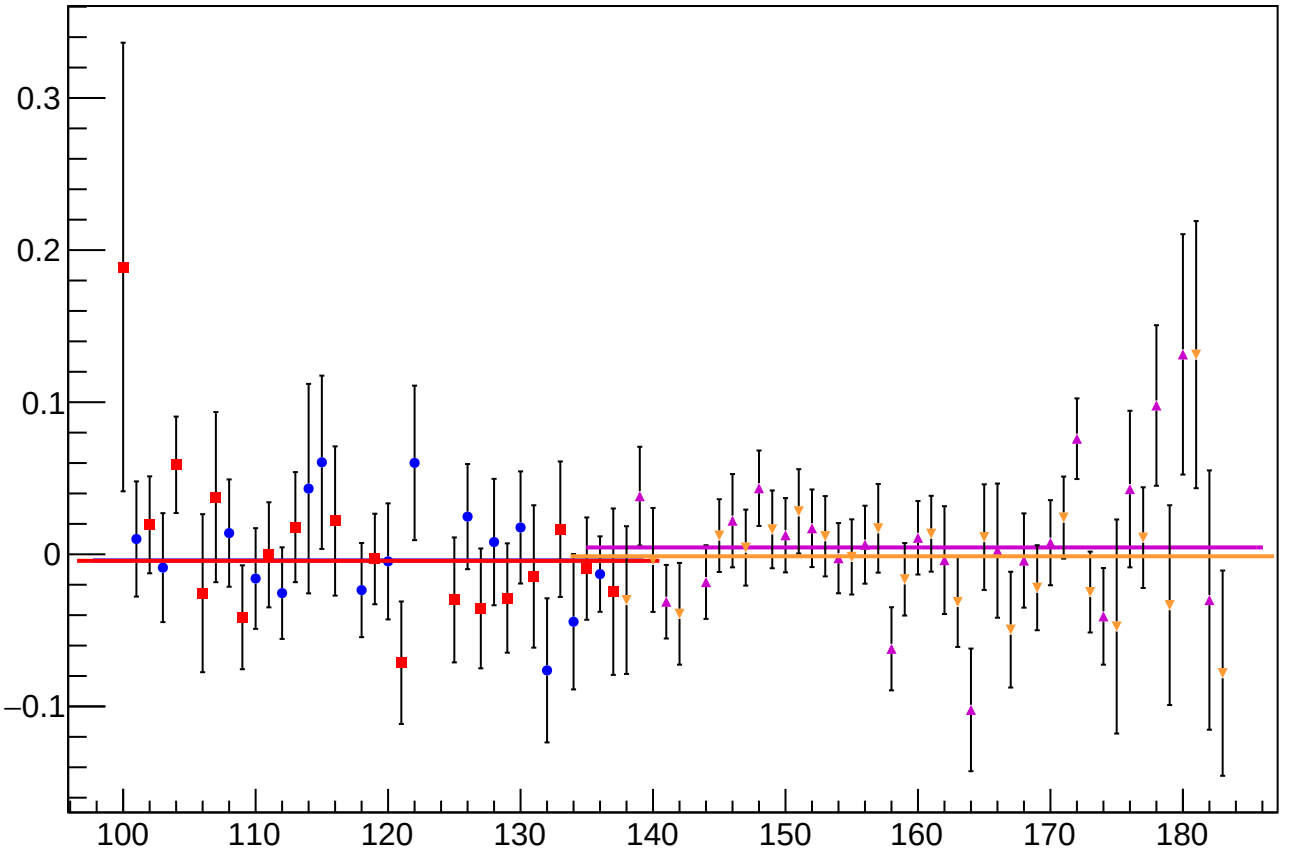
Left: 24.383+/-0.003 χ^2/NDF: 4250622.8/44

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

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

Out: 24.130+/-0.004 χ^2/NDF:2437894.2/40

All: 24.094+/-0.003 χ^2/NDF: 4664148.4/78



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

Left Out: -0.001+/-0.006 χ^2/NDF:14.4/22

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

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

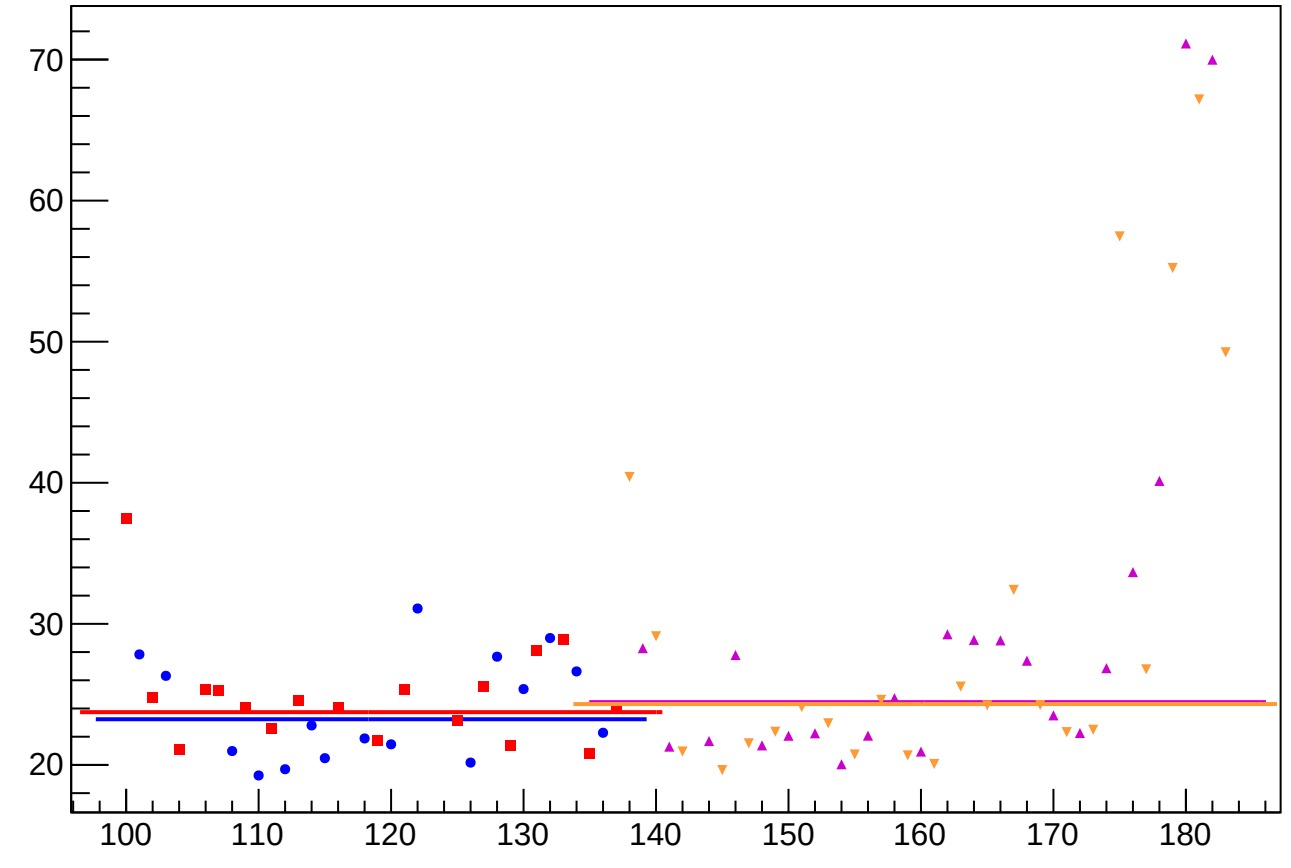
Left: 0.002+/-0.005 χ^2/NDF: 51.1/44

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:28.0/40

All: -0.000+/-0.004 χ^2/NDF: 74.3/78



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

Left Out: 24.314+/-0.005 χ^2/NDF:2306556.5/22

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

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

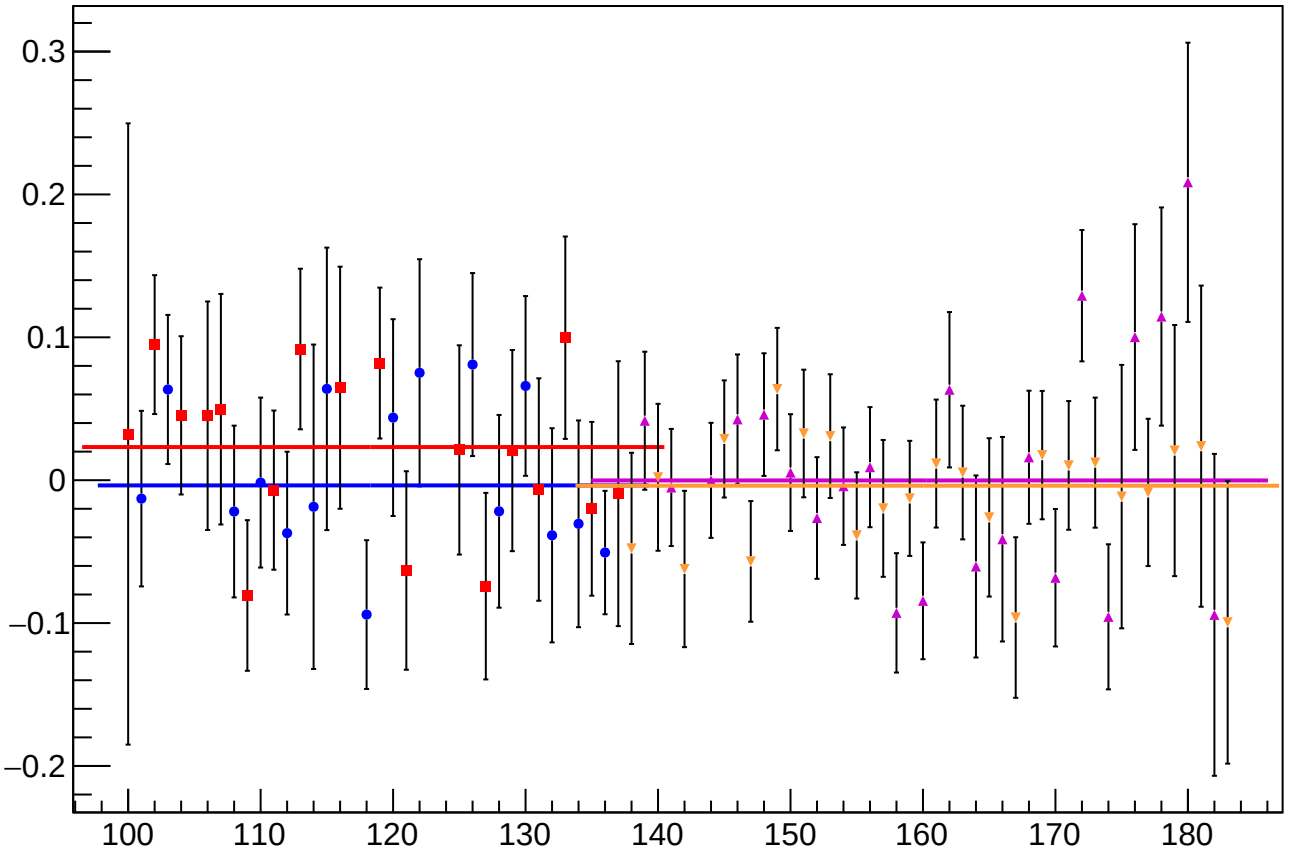
Left: 24.383+/-0.003 χ^2/NDF: 4250622.8/44

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

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

Out: 24.130+/-0.004 χ^2/NDF:2437894.2/40

All: 24.094+/-0.003 χ^2/NDF: 4664148.4/78



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

Left Out: -0.004+/-0.010 χ^2/NDF:12.9/22

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

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

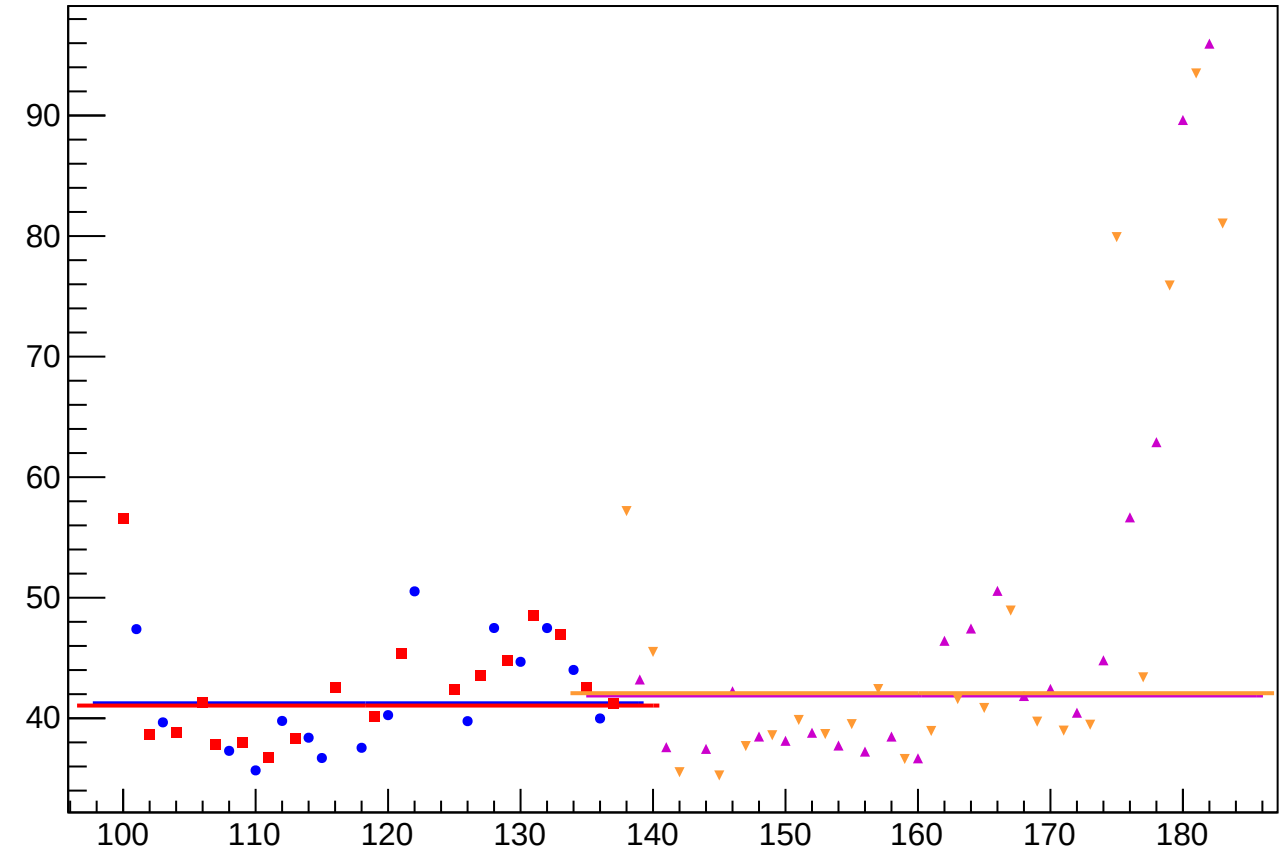
Left: -0.002+/-0.007 χ^2/NDF: 50.7/44

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:30.4/40

All: 0.002+/-0.006 χ^2/NDF: 80.0/78



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

Left Out: 42.081+/-0.007 χ^2/NDF:1715974.8/22

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

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

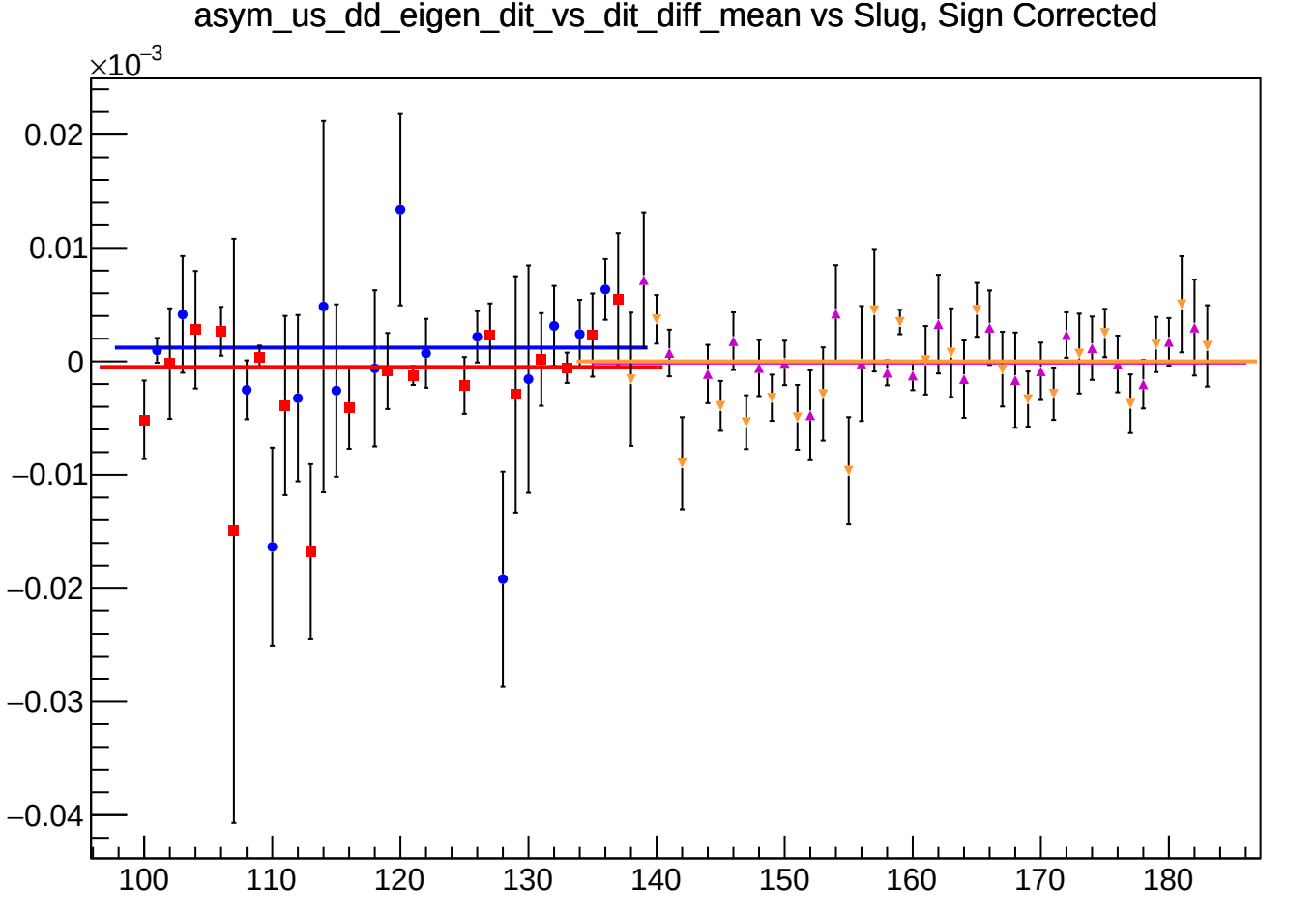
Left: 41.985+/-0.005 χ^2/NDF: 3121813.3/44

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

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

Out: 41.759+/-0.006 χ^2/NDF:1818544.6/40

All: 41.726+/-0.004 χ^2/NDF: 3361755.7/78



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

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/22

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

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

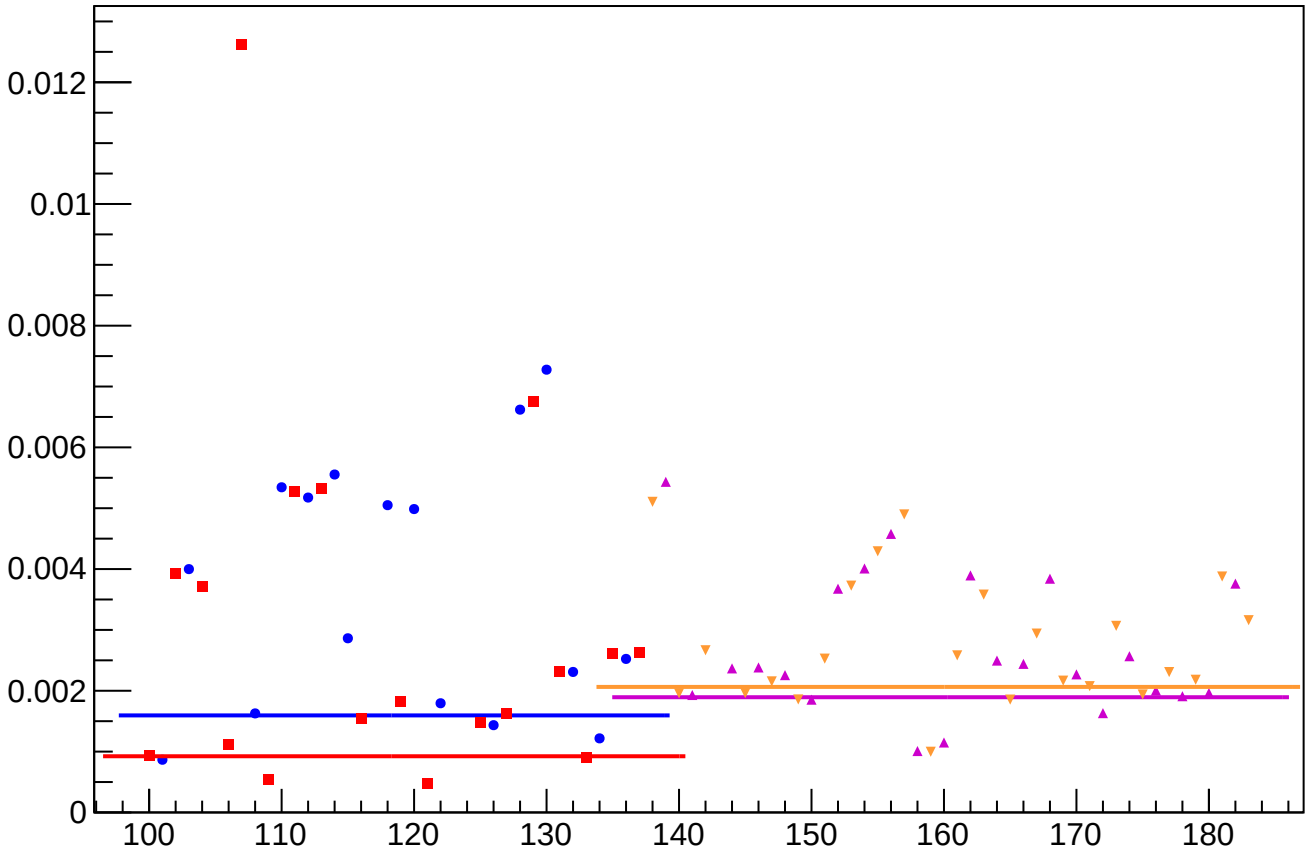
Left: -0.000+/-0.000 χ^2/NDF: 62.0/44

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:65.4/40

All: -0.000+/-0.000 χ^2/NDF: 98.8/78



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

Left Out: 0.002+/-0.000 χ^2/NDF:5208872.1/22

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

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

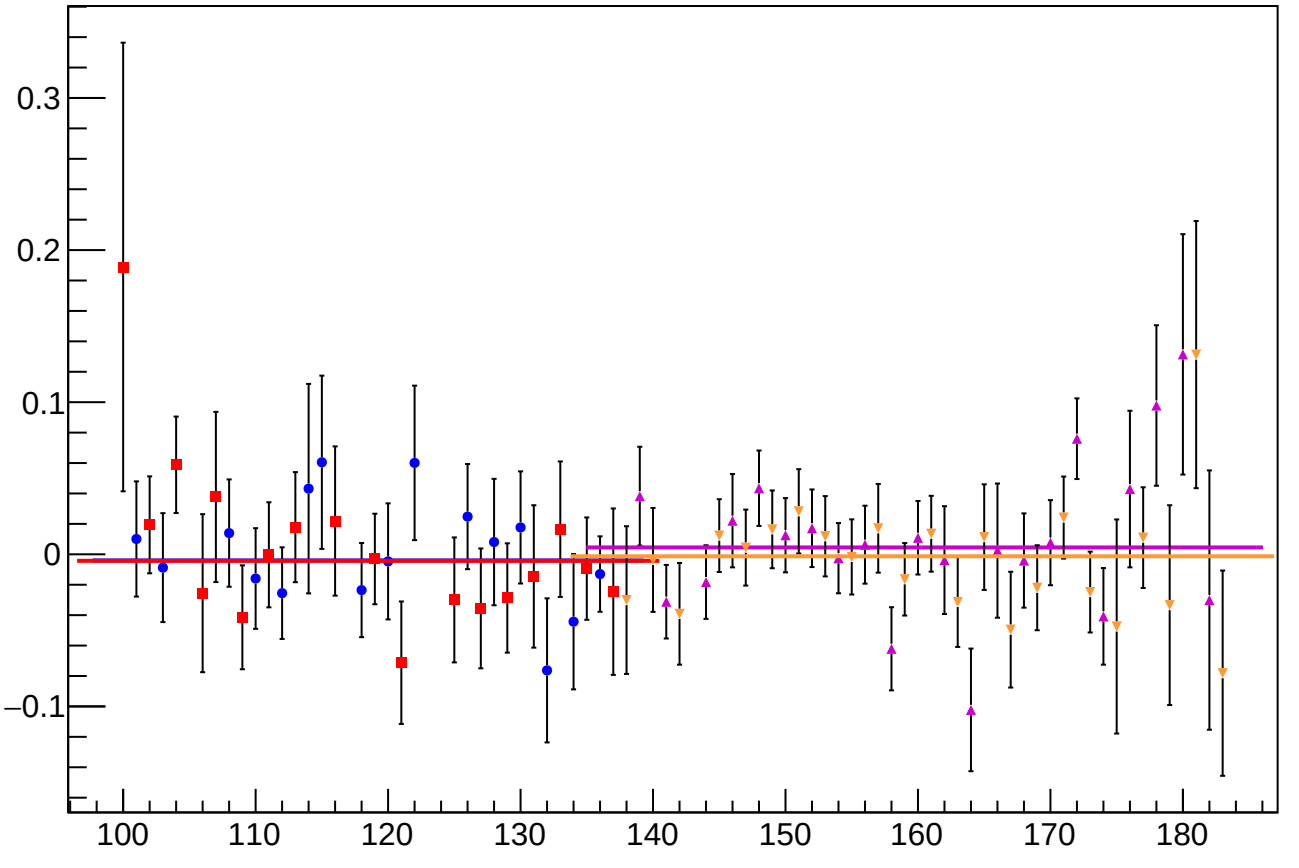
Left: 0.002+/-0.000 χ^2/NDF: 11188714.6/44

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:15945343.5/40

All: 0.002+/-0.000 χ^2/NDF: 27573244.1/78



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

Left Out: -0.001+/-0.006 χ^2/NDF:14.4/22

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

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

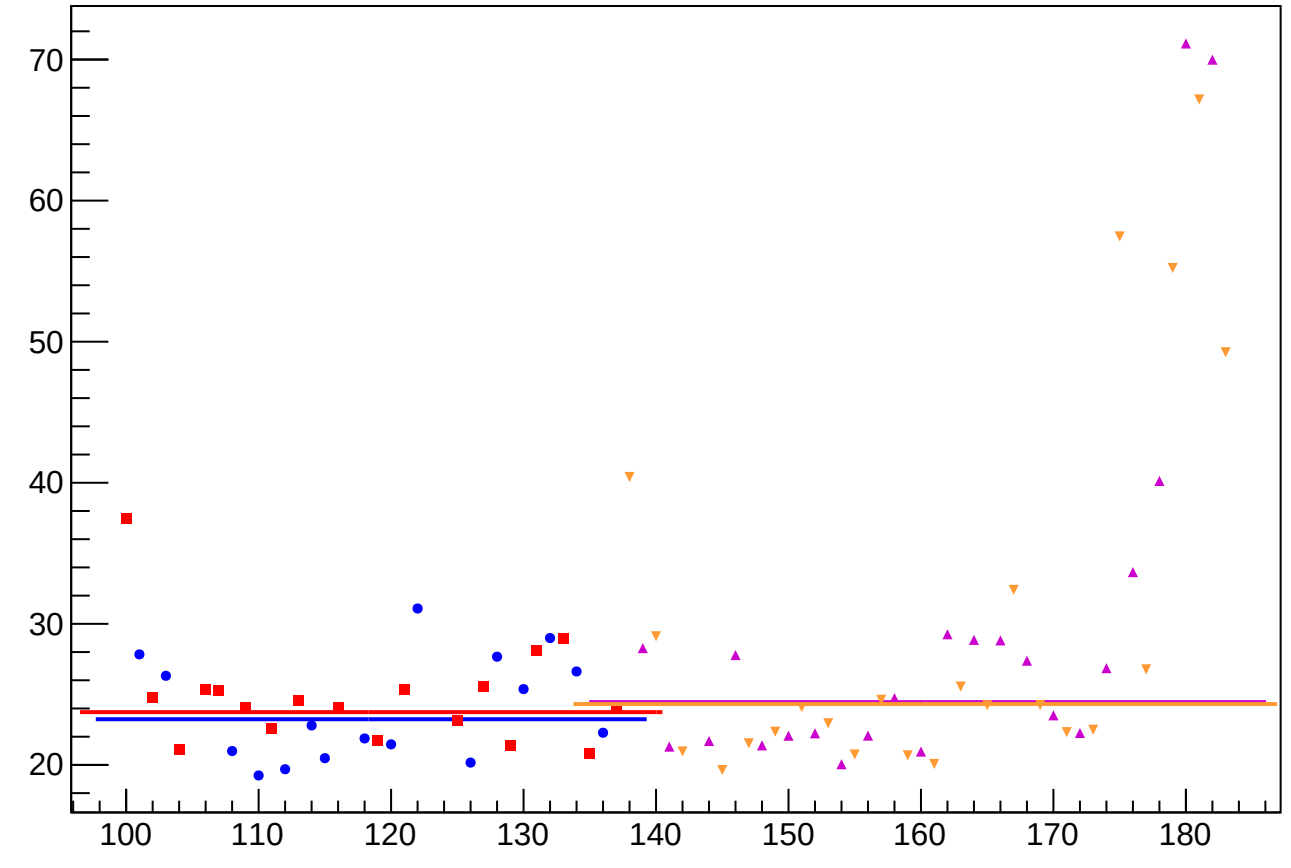
Left: 0.002+/-0.005 χ^2/NDF: 51.1/44

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:28.0/40

All: -0.000+/-0.004 χ^2/NDF: 74.3/78



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

Left Out: 24.314+/-0.005 χ^2/NDF:2306566.6/22

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: 24.383+/-0.003 χ^2/NDF: 4250505.1/44

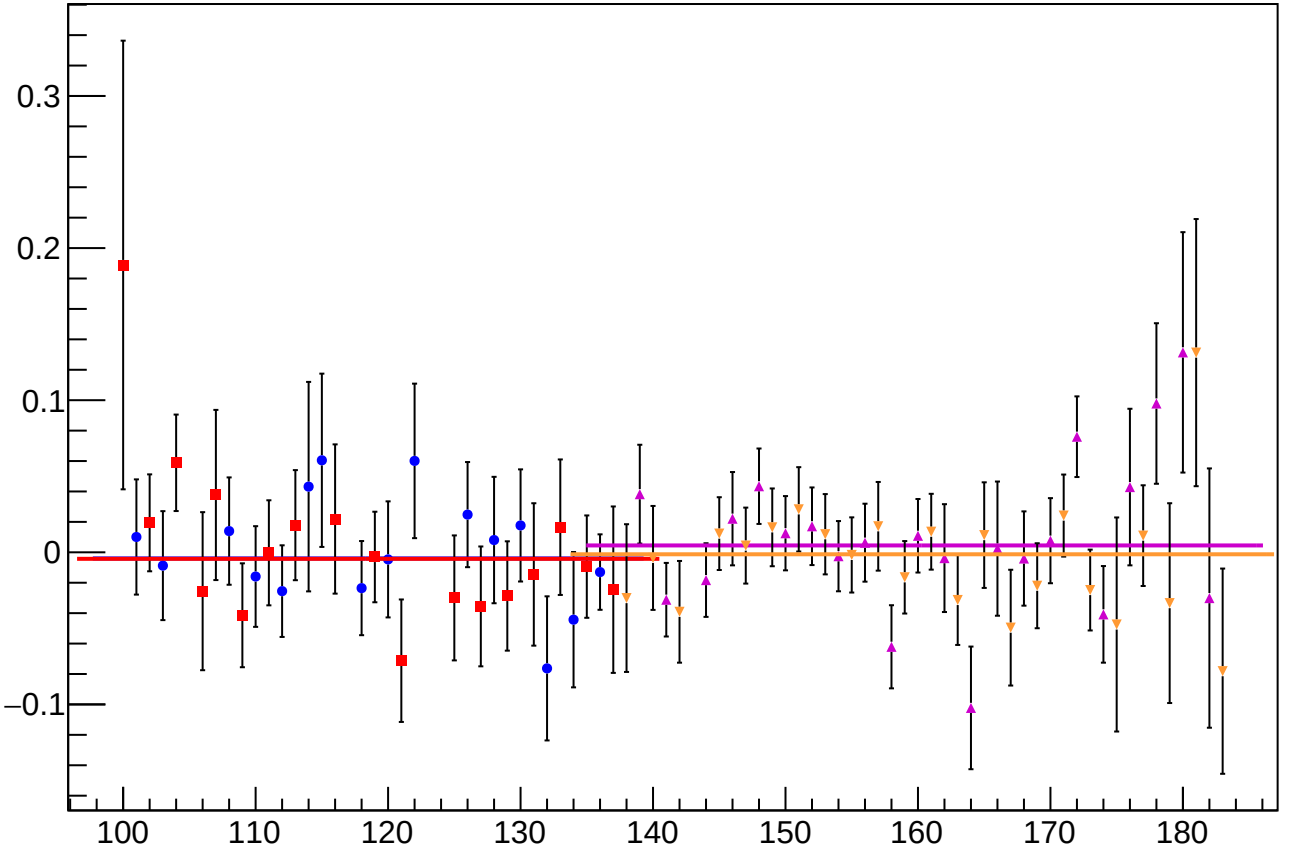
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

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

Out: 24.130+/-0.004 χ^2/NDF:2437849.7/40

All: 24.094+/-0.003 χ^2/NDF: 4664000.6/78

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.001+/-0.006 χ^2/NDF:14.4/22

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

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

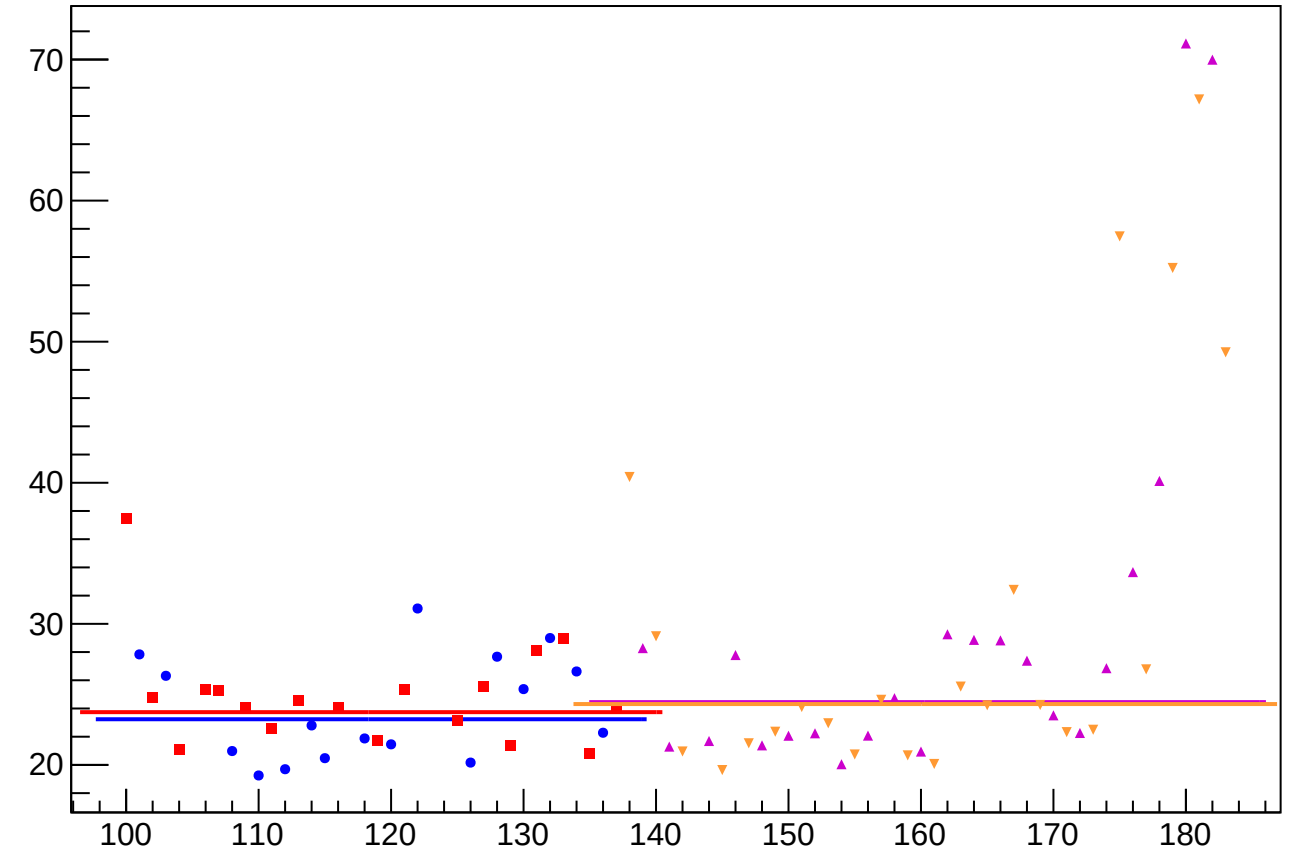
Left: 0.002+/-0.005 χ^2/NDF: 51.1/44

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:28.0/40

All: -0.000+/-0.004 χ^2/NDF: 74.3/78



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

Left Out: 24.314+/-0.005 χ^2/NDF:2306566.6/22

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

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

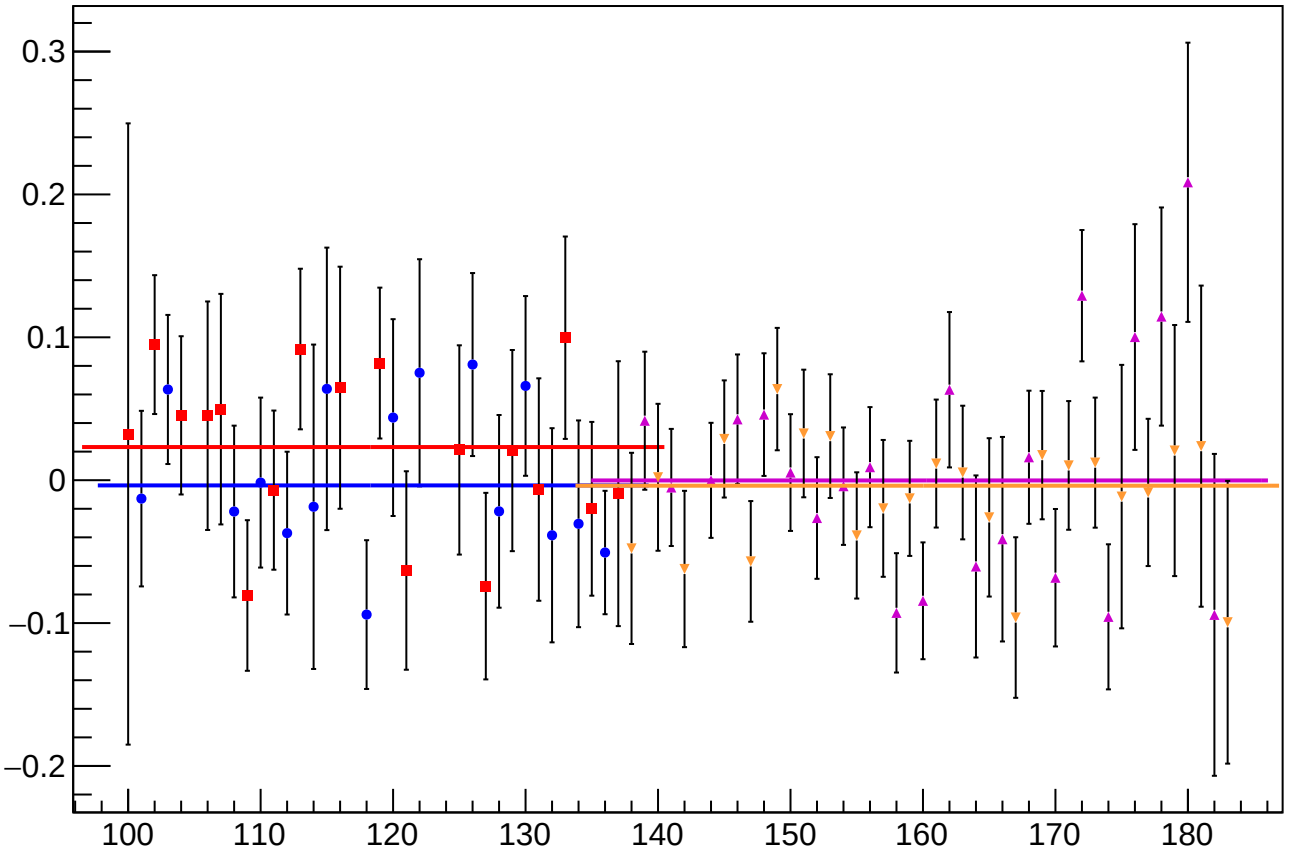
Left: 24.383+/-0.003 χ^2/NDF: 4250505.1/44

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

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

Out: 24.130+/-0.004 χ^2/NDF:2437849.7/40

All: 24.094+/-0.003 χ^2/NDF: 4664000.6/78



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

Left Out: -0.004+/-0.010 χ^2/NDF:12.9/22

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

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

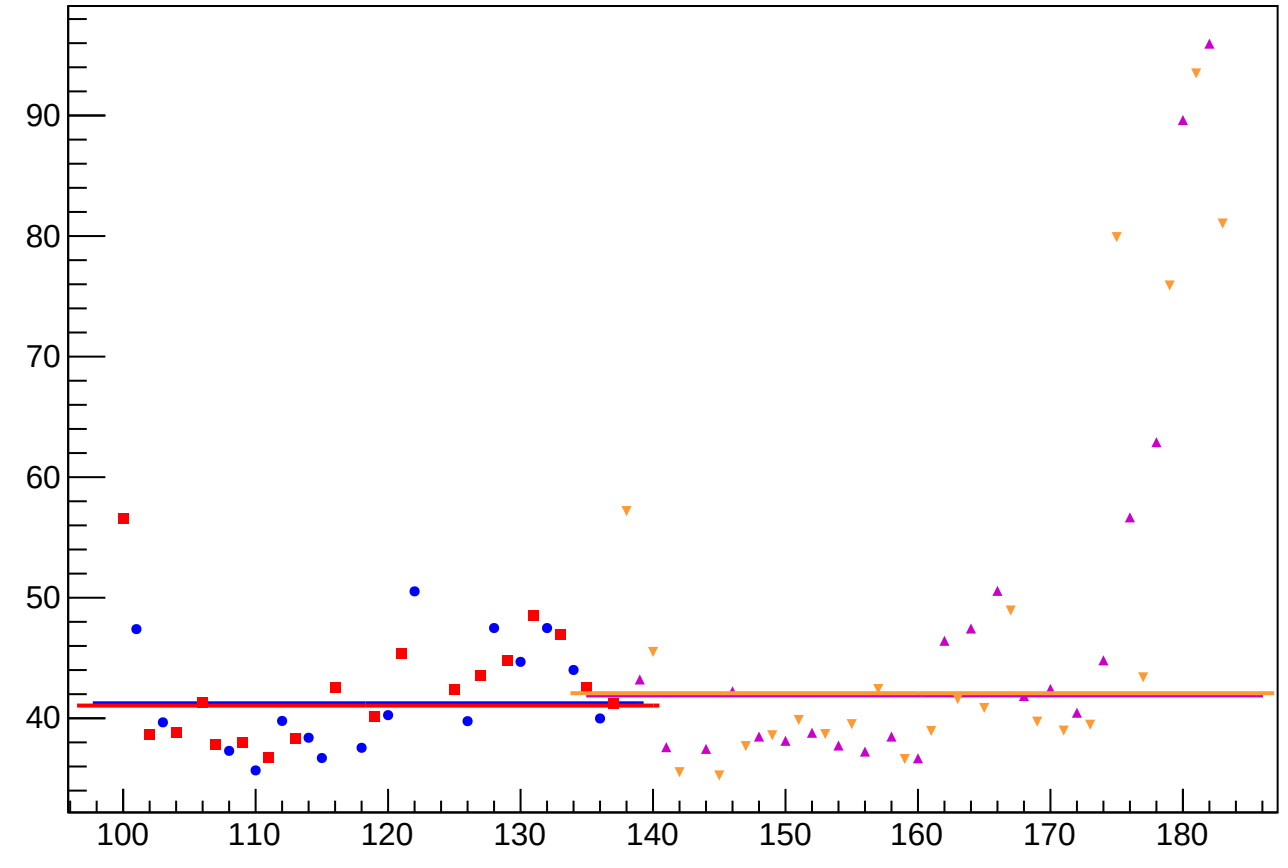
Left: -0.002+/-0.007 χ^2/NDF: 50.7/44

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:30.4/40

All: 0.002+/-0.006 χ^2/NDF: 80.0/78



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

Left Out: 42.081+/-0.007 χ^2/NDF:1715965.3/22

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

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

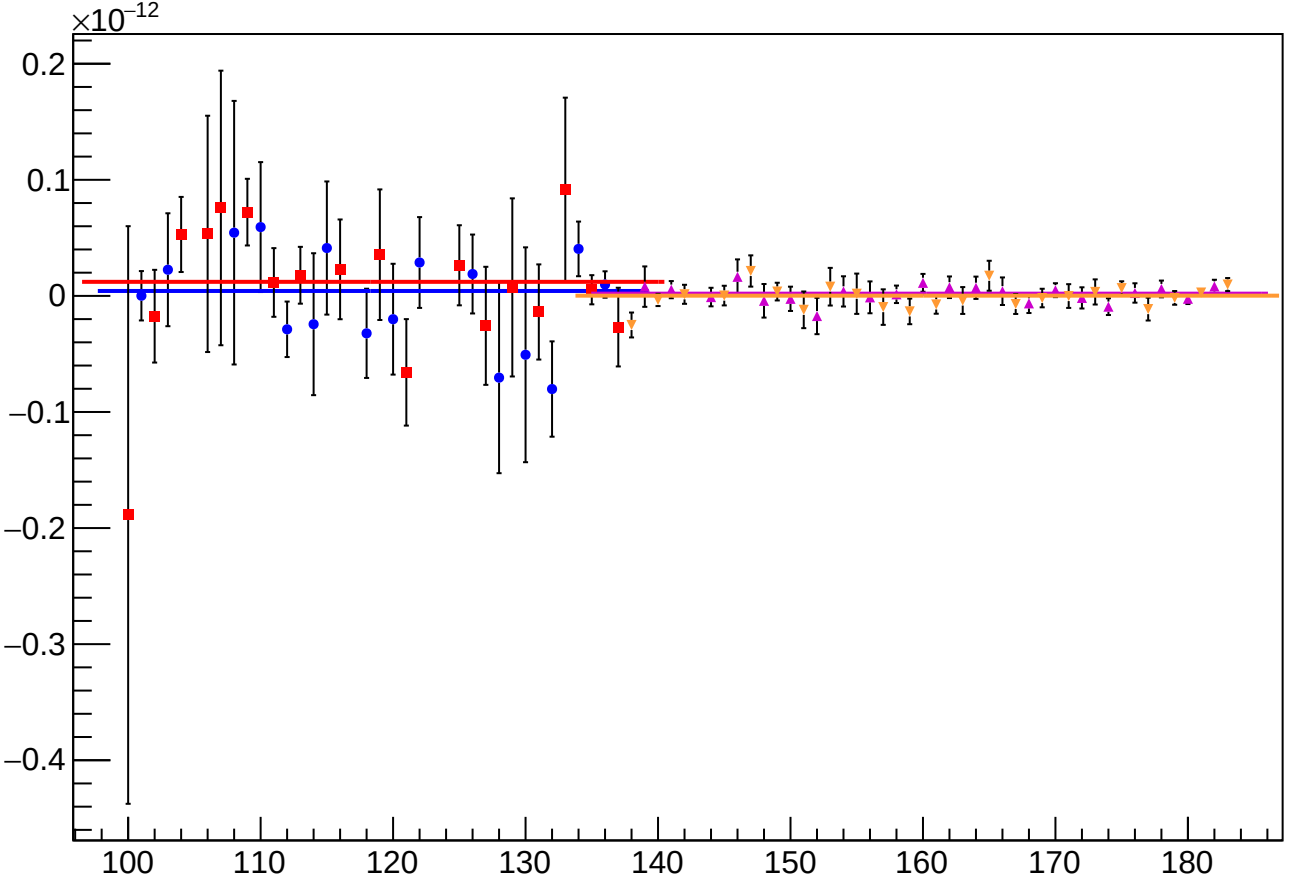
Left: 41.985+/-0.005 χ^2/NDF: 3121780.6/44

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

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

Out: 41.759+/-0.006 χ^2/NDF:1818524.8/40

All: 41.726+/-0.004 χ^2/NDF: 3361693.4/78



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

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/22

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

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

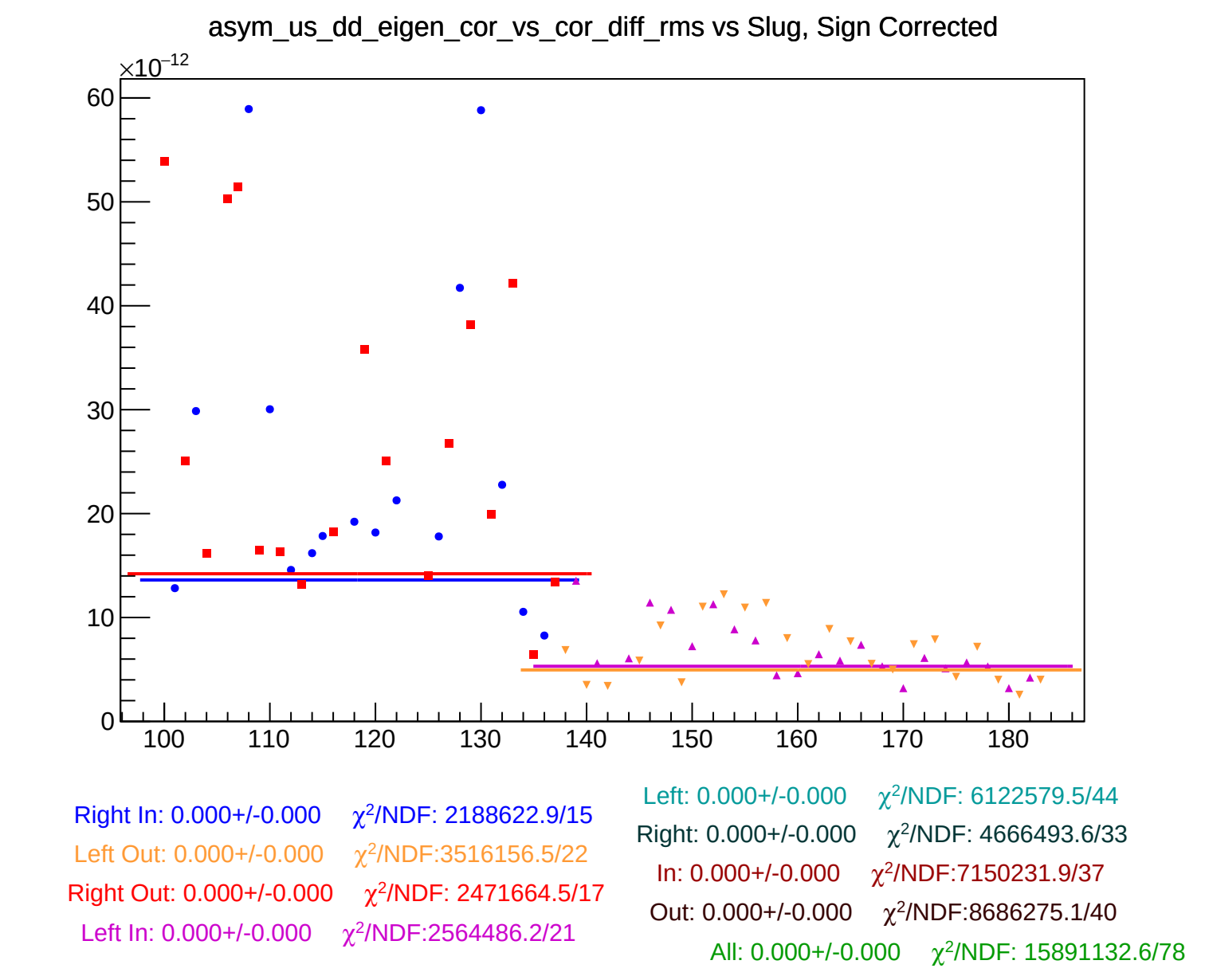
Left: 0.000+/-0.000 χ^2/NDF: 33.4/44

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

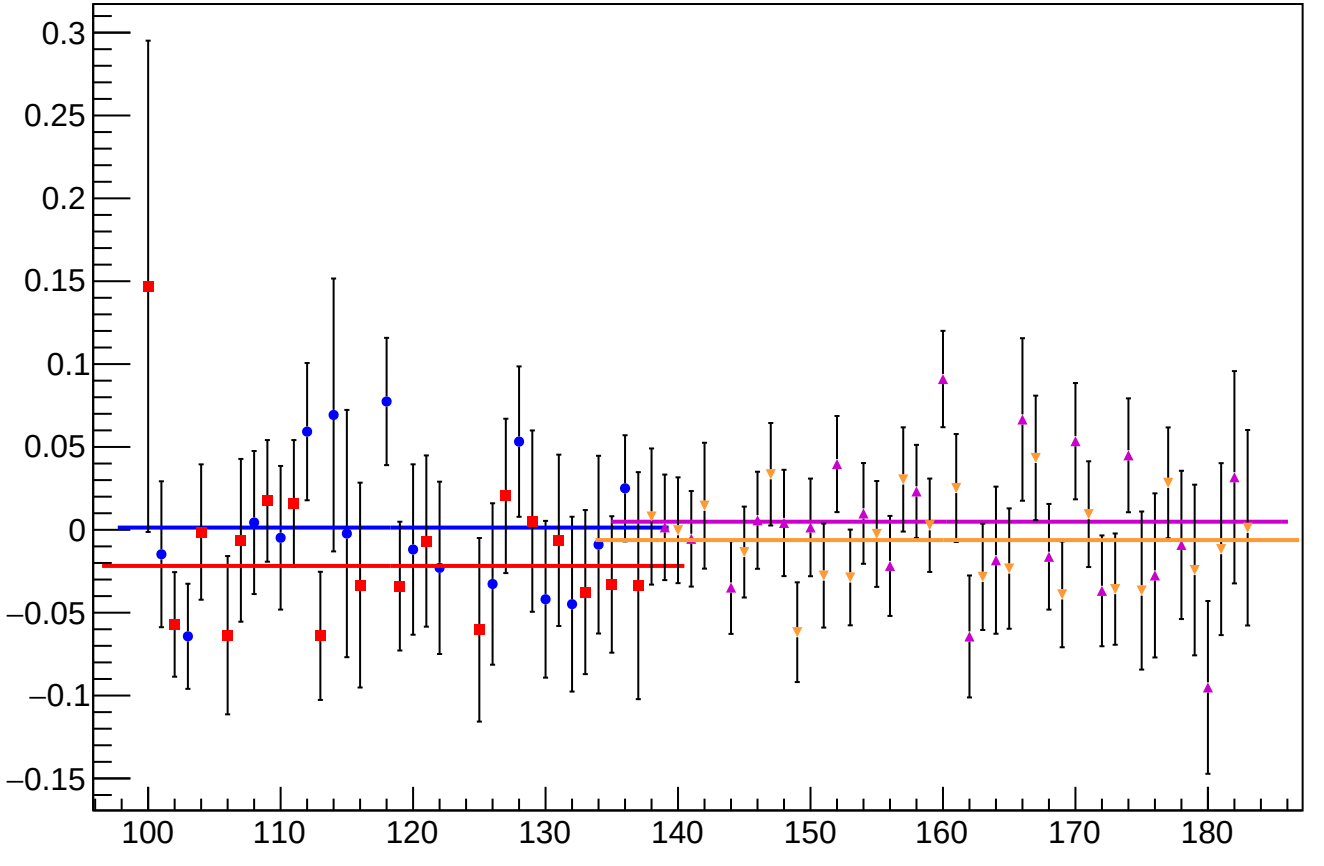
In: 0.000+/-0.000 χ^2/NDF:25.5/37

Out: 0.000+/-0.000 χ^2/NDF:37.9/40

All: 0.000+/-0.000 χ^2/NDF: 63.7/78


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:3516156.5/22
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: 6122579.5/44
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:8686275.1/40
All: 0.000+/-0.000 χ²/NDF: 15891132.6/78

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.006+/-0.007 χ^2/NDF:15.2/22

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

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

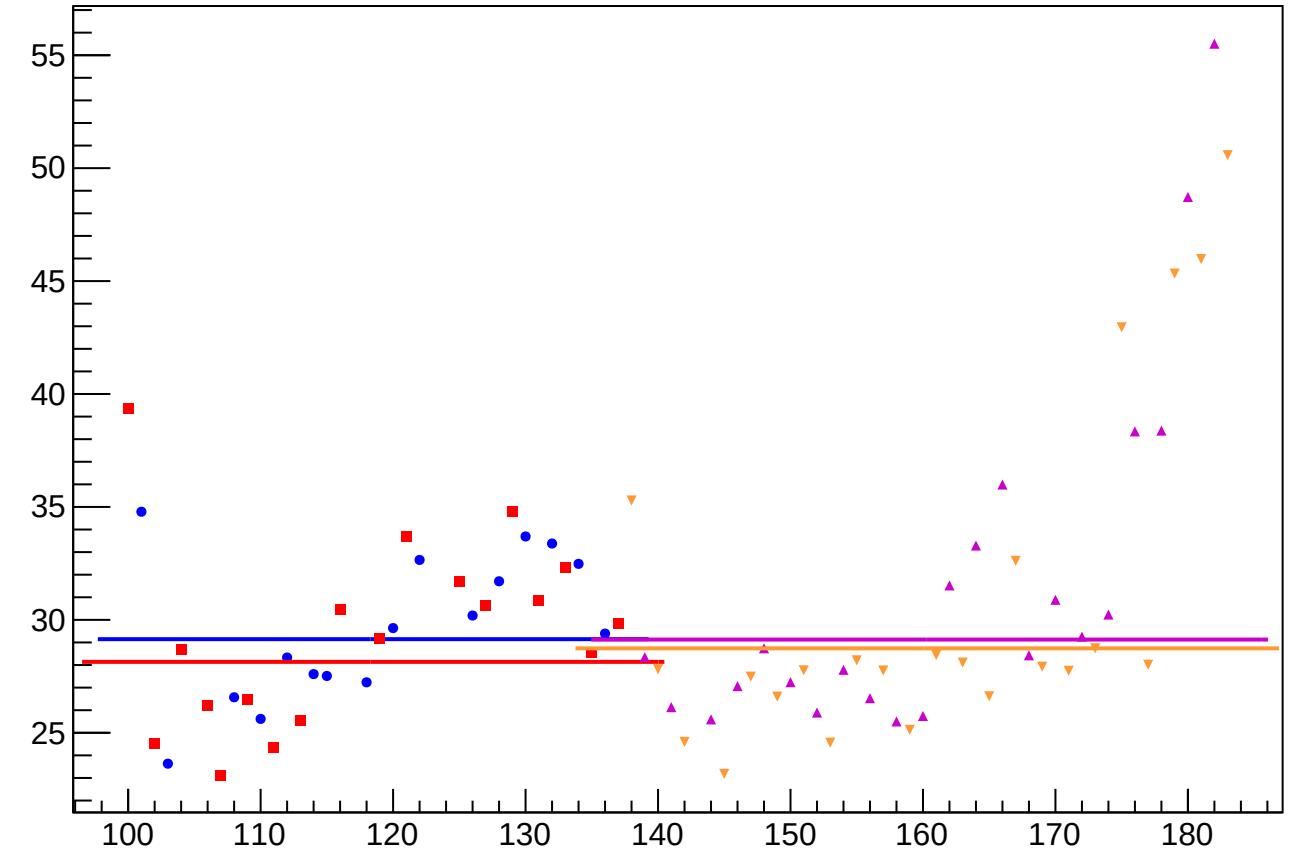
Left: -0.001+/-0.005 χ^2/NDF: 45.1/44

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:25.7/40

All: -0.004+/-0.004 χ^2/NDF: 72.7/78



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

Left Out: 28.738+/-0.005 χ^2/NDF:1164489.5/22

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: 28.930+/-0.004 χ^2/NDF: 2194508.8/44

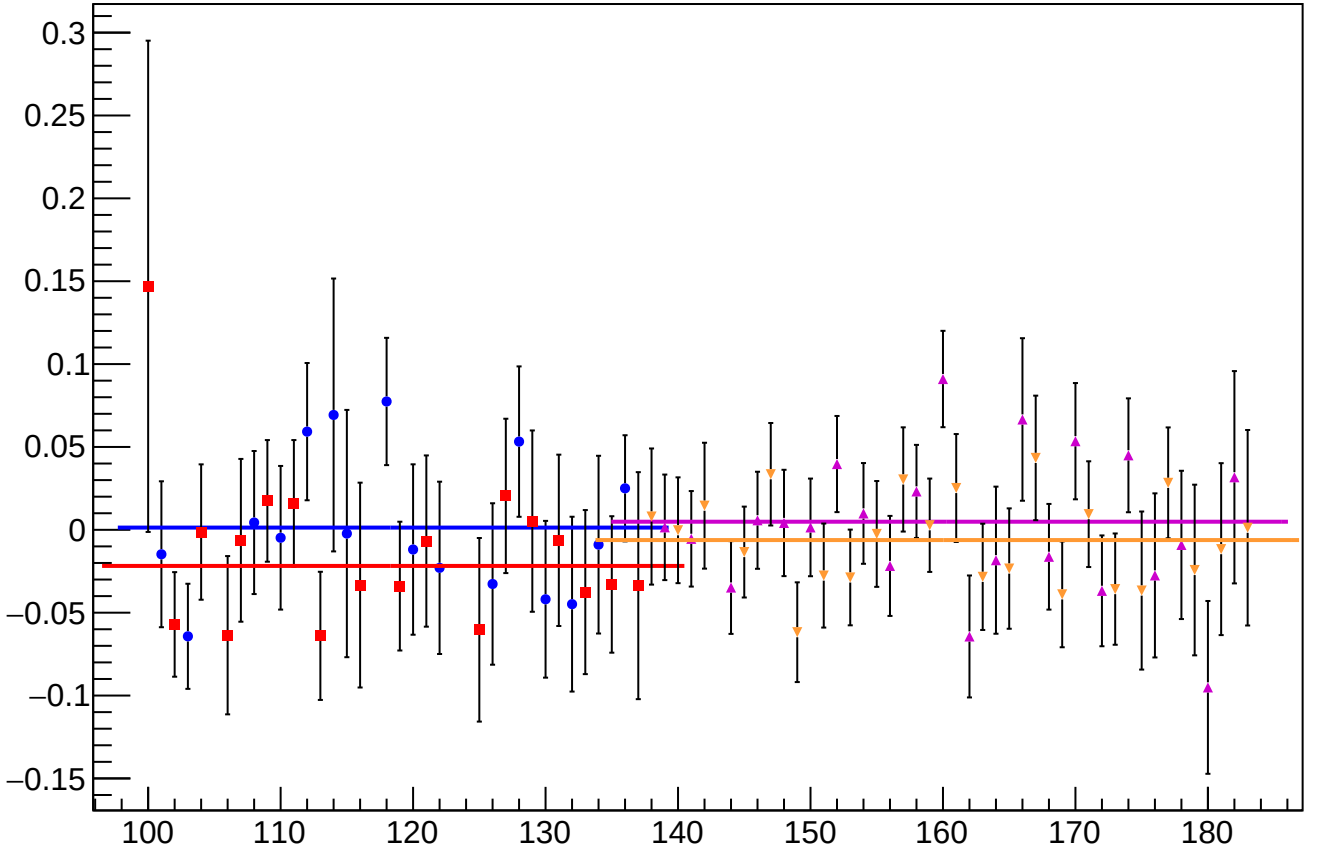
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

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

Out: 28.557+/-0.004 χ^2/NDF:1355883.8/40

All: 28.839+/-0.003 χ^2/NDF: 2569058.3/78

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:15.2/22

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: 45.1/44

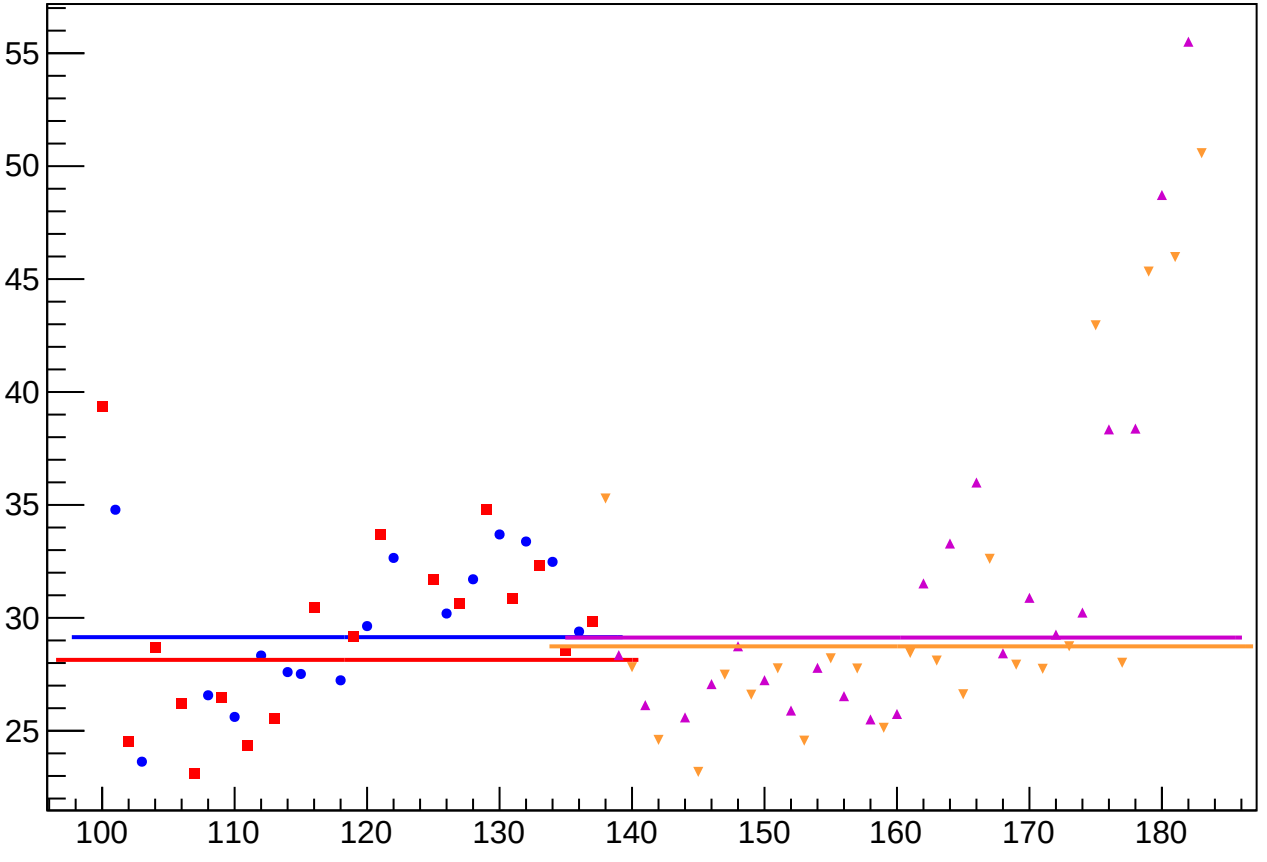
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.004+/-0.006 χ^2/NDF:44.0/37

Out: -0.011+/-0.006 χ^2/NDF:25.7/40

All: -0.004+/-0.004 χ^2/NDF: 72.7/78

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: 28.738+/-0.005 χ^2/NDF:1164489.5/22

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: 28.930+/-0.004 χ^2/NDF: 2194508.8/44

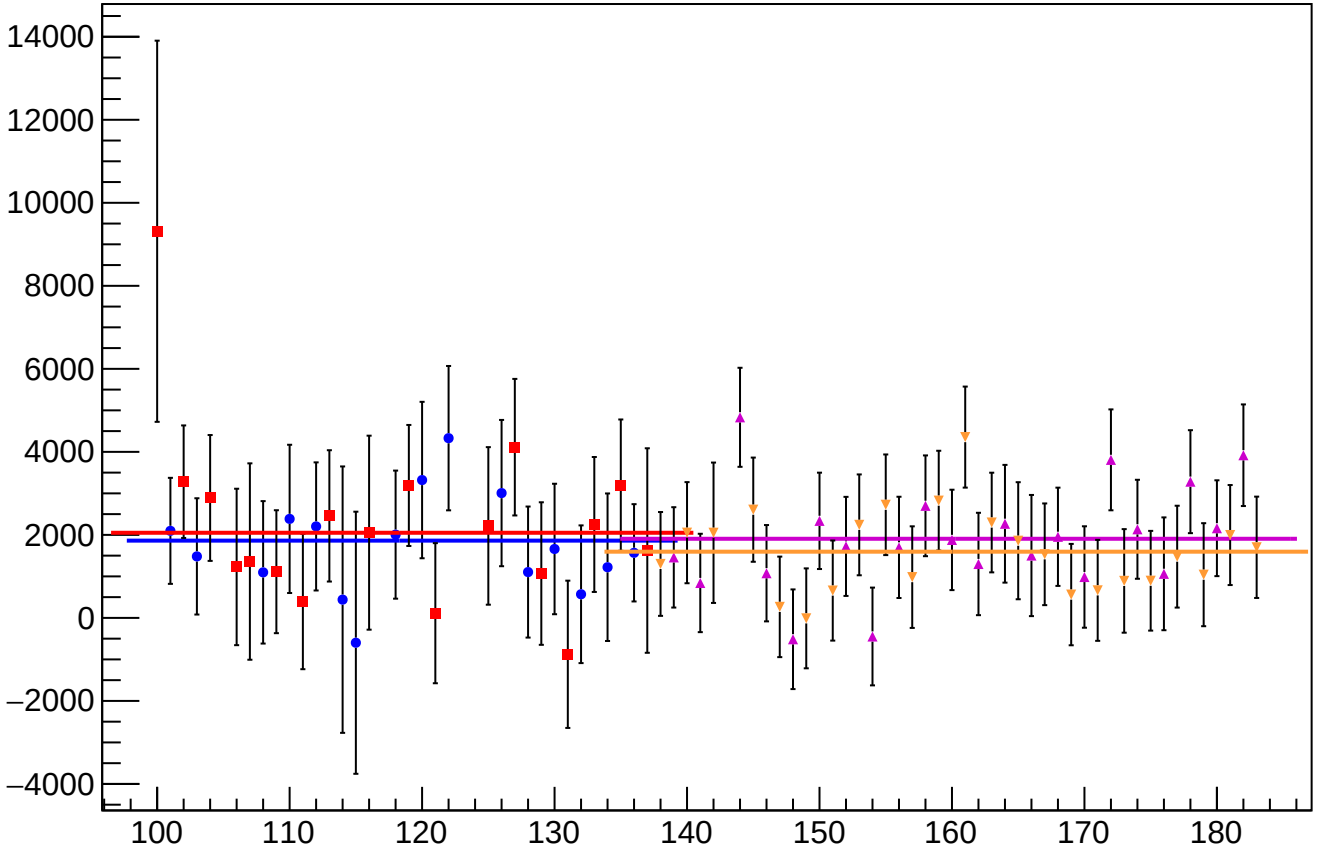
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

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

Out: 28.557+/-0.004 χ^2/NDF:1355883.8/40

All: 28.839+/-0.003 χ^2/NDF: 2569058.3/78

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1595.213+/-258.450 χ^2/NDF:14.8/22

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: 1749.447+/-183.479 χ^2/NDF: 39.4/44

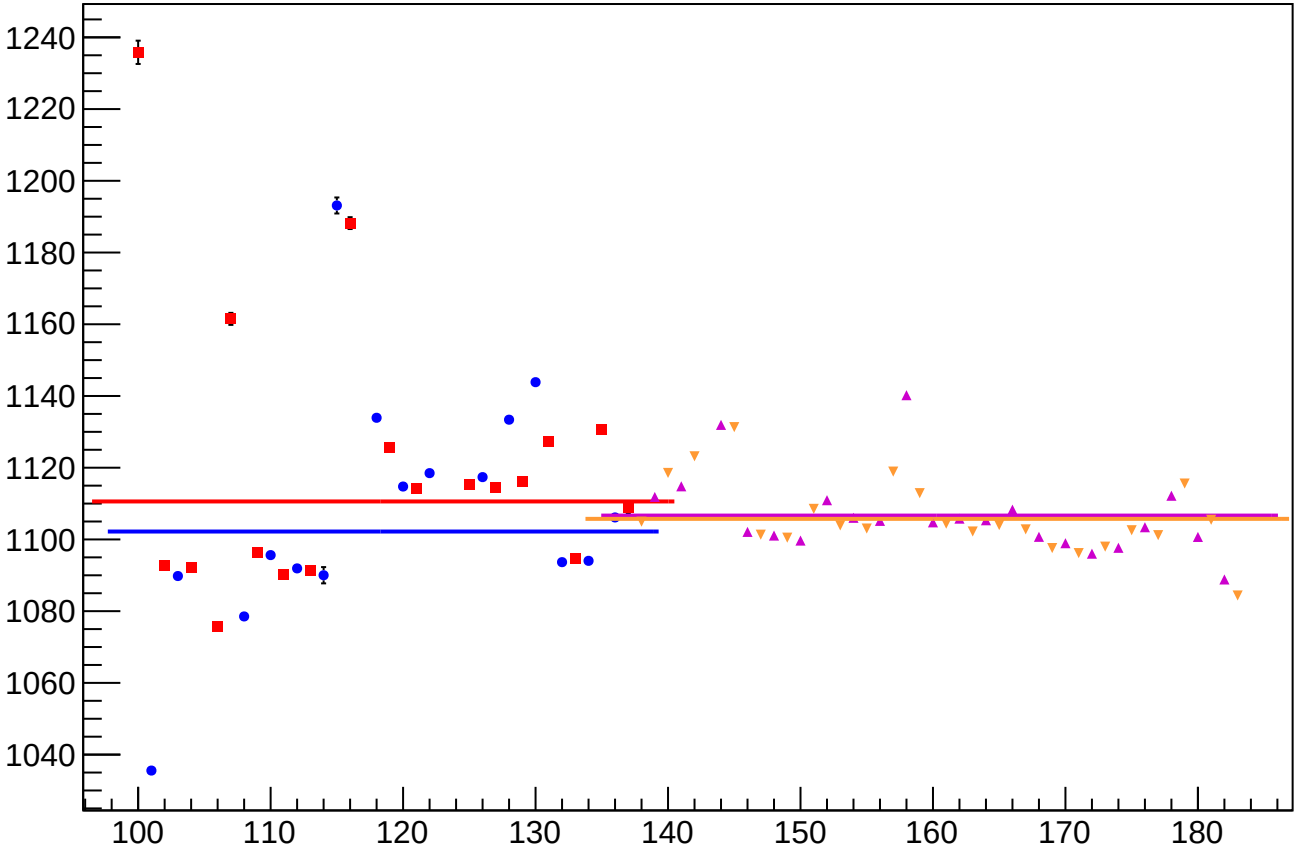
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1725.118+/-218.522 χ^2/NDF:28.2/40

All: 1808.715+/-154.972 χ^2/NDF: 57.8/78

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1105.738+/-0.183 χ^2/NDF:2761.5/22

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

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

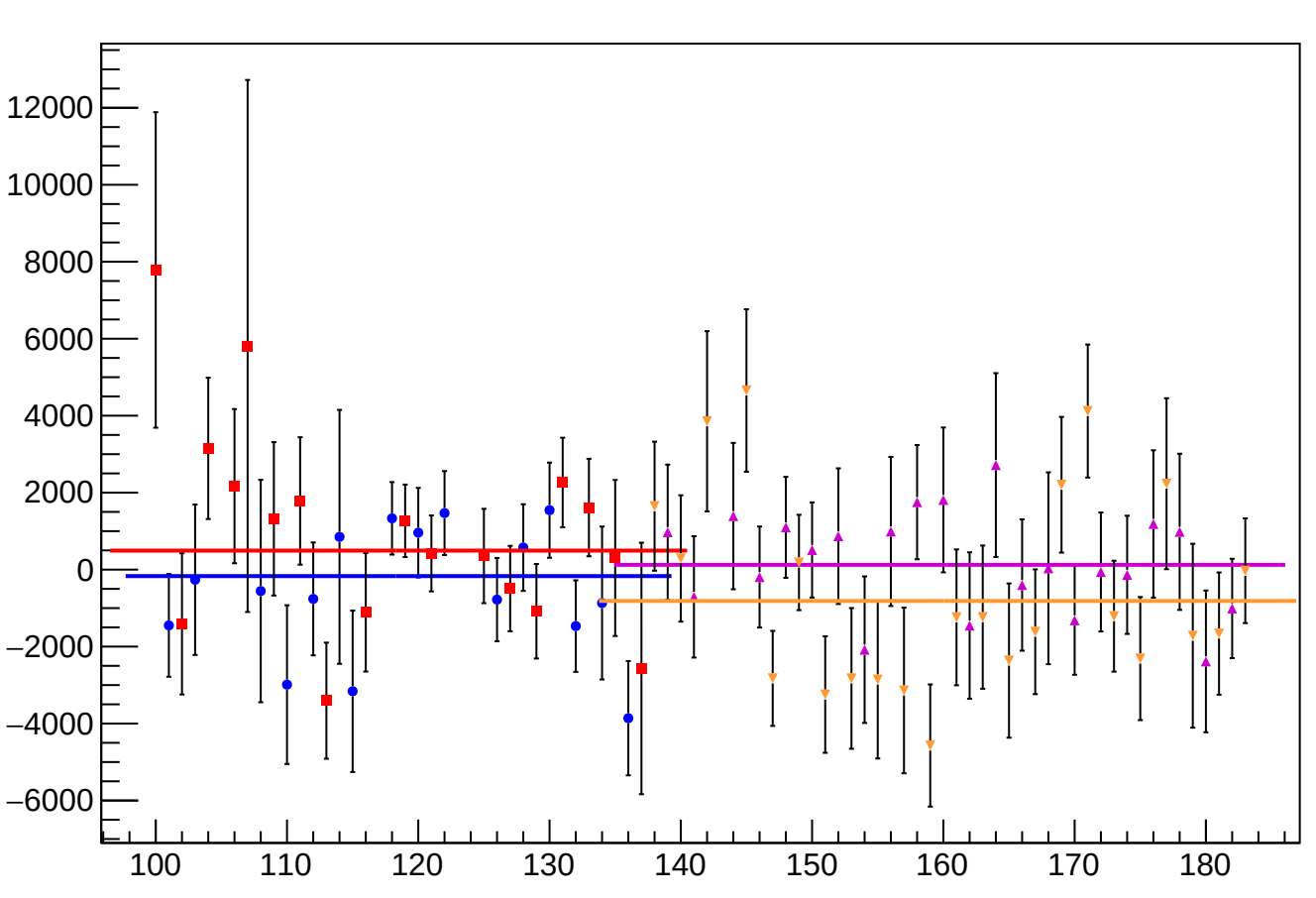
Left: 1106.191+/-0.130 χ^2/NDF: 6443.4/44

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

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

Out: 1107.122+/-0.155 χ^2/NDF:10658.6/40

All: 1106.251+/-0.110 χ^2/NDF: 25908.8/78



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

Left Out: -813.976+/-351.125 χ^2/NDF:43.8/22

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

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

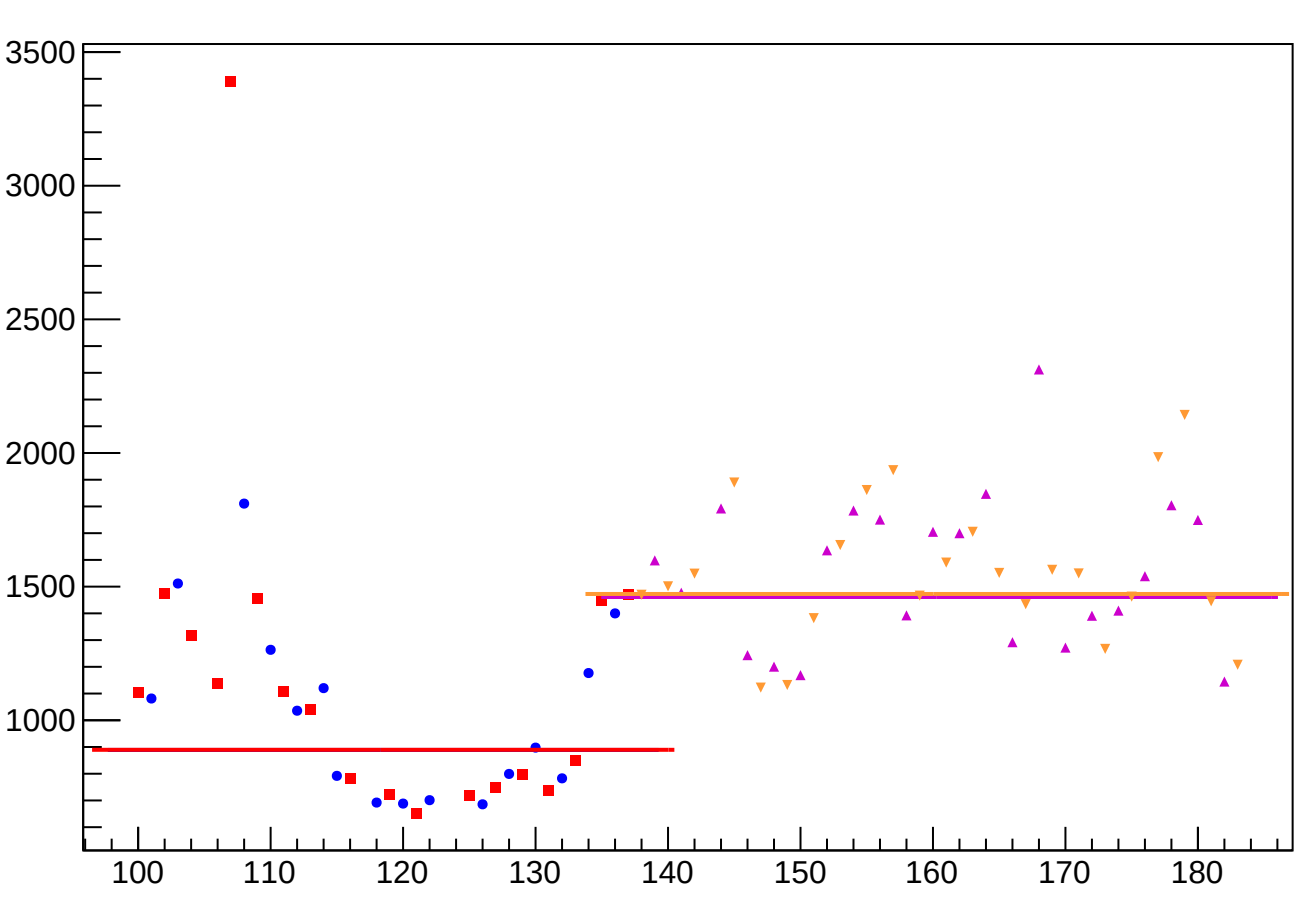
Left: -344.099+/-248.131 χ^2/NDF: 58.9/44

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

In: -23.837+/-246.101 χ^2/NDF:32.9/37

Out: -147.988+/-246.108 χ^2/NDF:74.2/40

All: -85.911+/-174.022 χ^2/NDF: 107.2/78



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

Left Out: 1472.526+/-0.248 χ^2/NDF:1018849.1/22

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: 1466.908+/-0.175 χ^2/NDF: 2107473.6/44

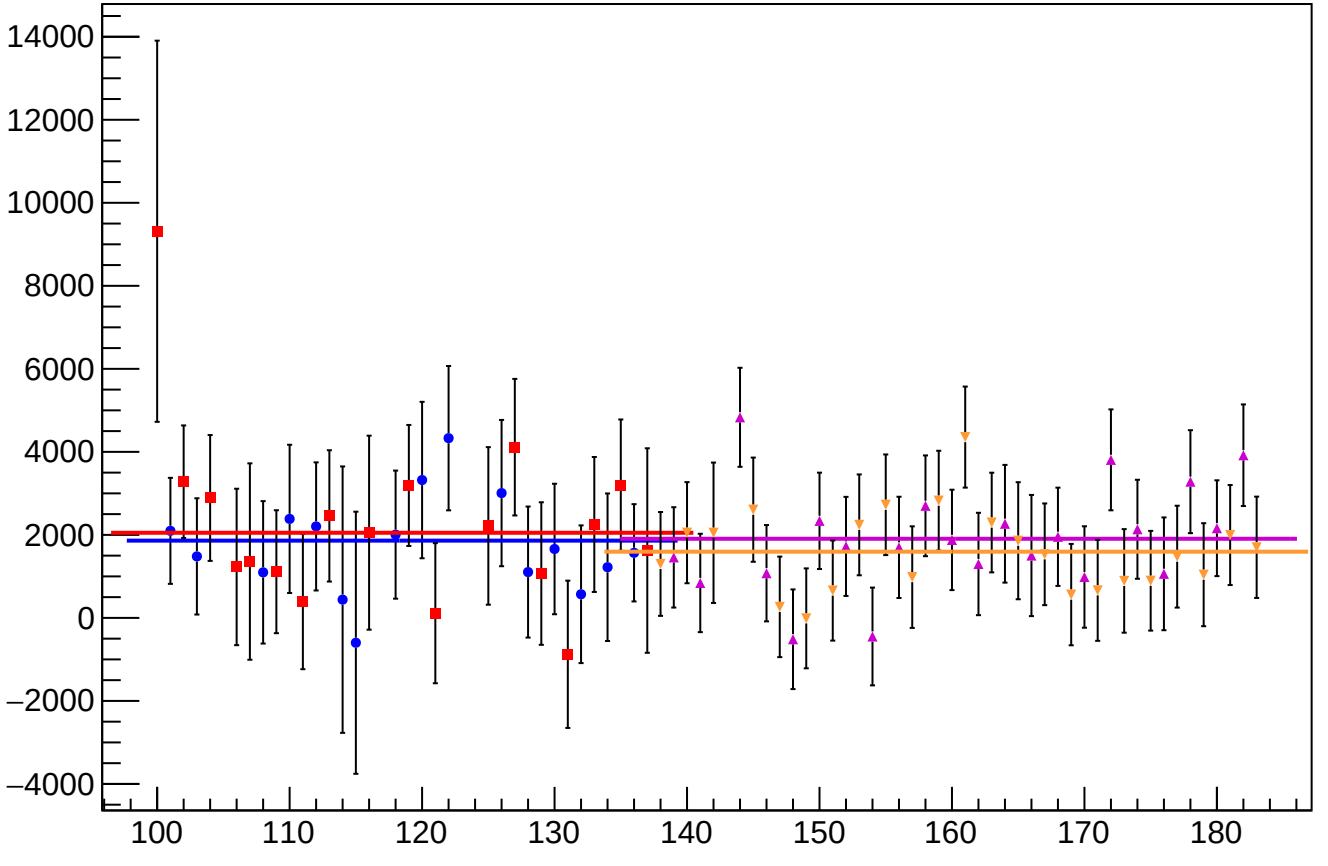
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 1175.919+/-0.174 χ^2/NDF:5169997.9/40

All: 1173.363+/-0.123 χ^2/NDF: 10094519.2/7

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1595.213+/-258.450 χ^2/NDF:14.8/22

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: 1749.447+/-183.479 χ^2/NDF: 39.4/44

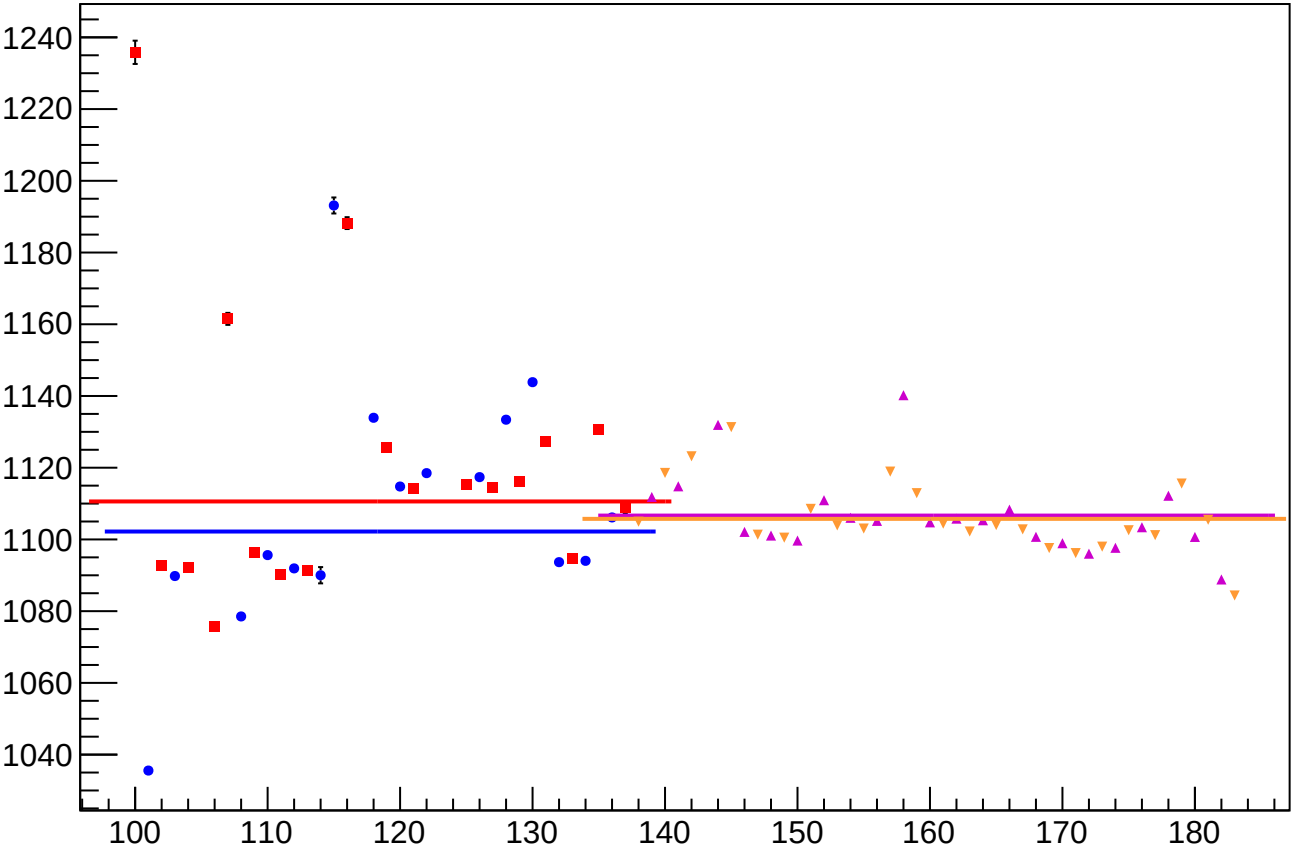
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1725.118+/-218.522 χ^2/NDF:28.2/40

All: 1808.715+/-154.972 χ^2/NDF: 57.8/78

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1105.738+/-0.183 χ^2/NDF:2761.5/22

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

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

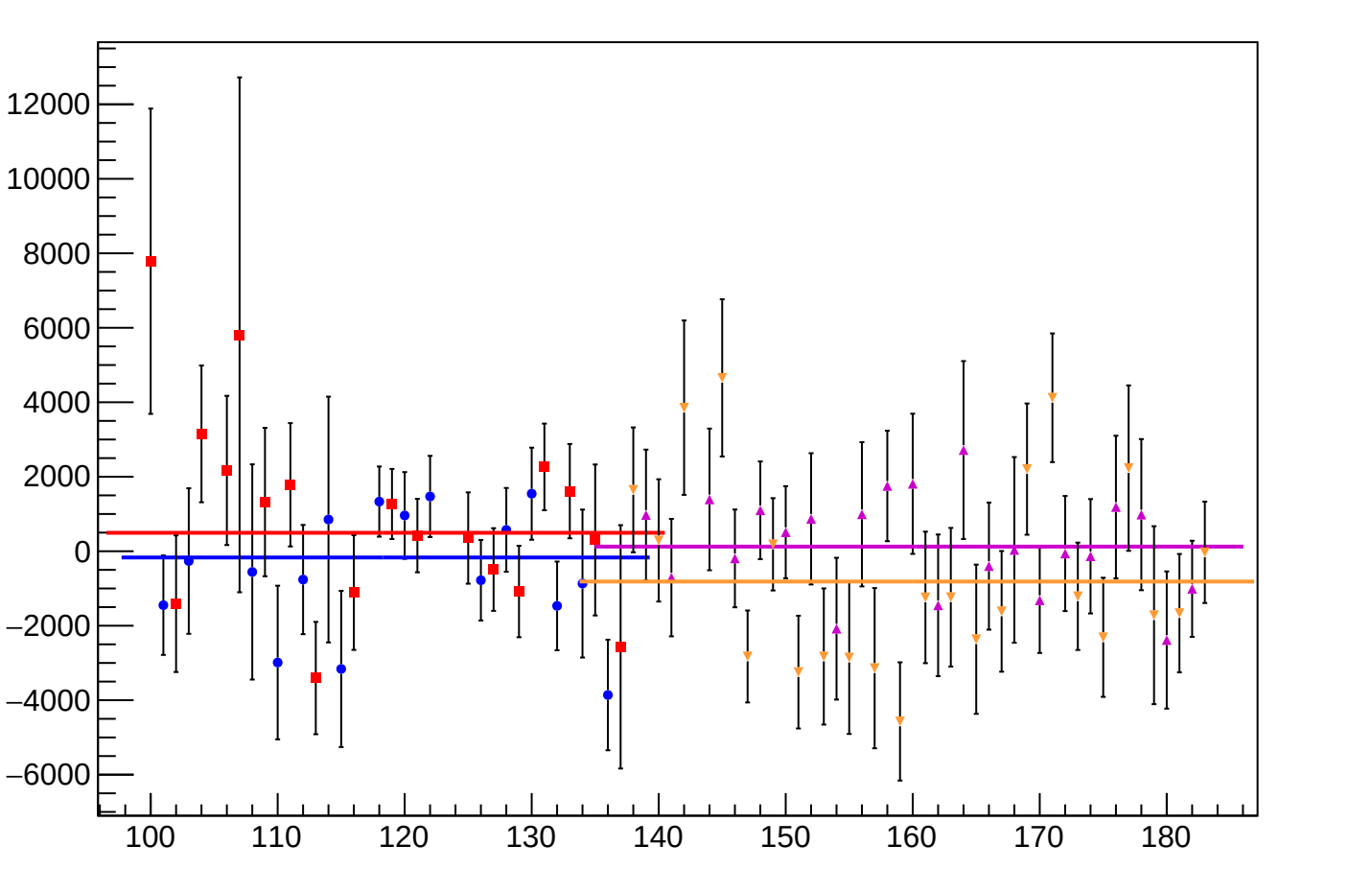
Left: 1106.191+/-0.130 χ^2/NDF: 6443.4/44

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

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

Out: 1107.122+/-0.155 χ^2/NDF:10658.6/40

All: 1106.251+/-0.110 χ^2/NDF: 25908.8/78



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

Left Out: -813.976+/-351.125 χ^2/NDF:43.8/22

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: -344.099+/-248.131 χ^2/NDF: 58.9/44

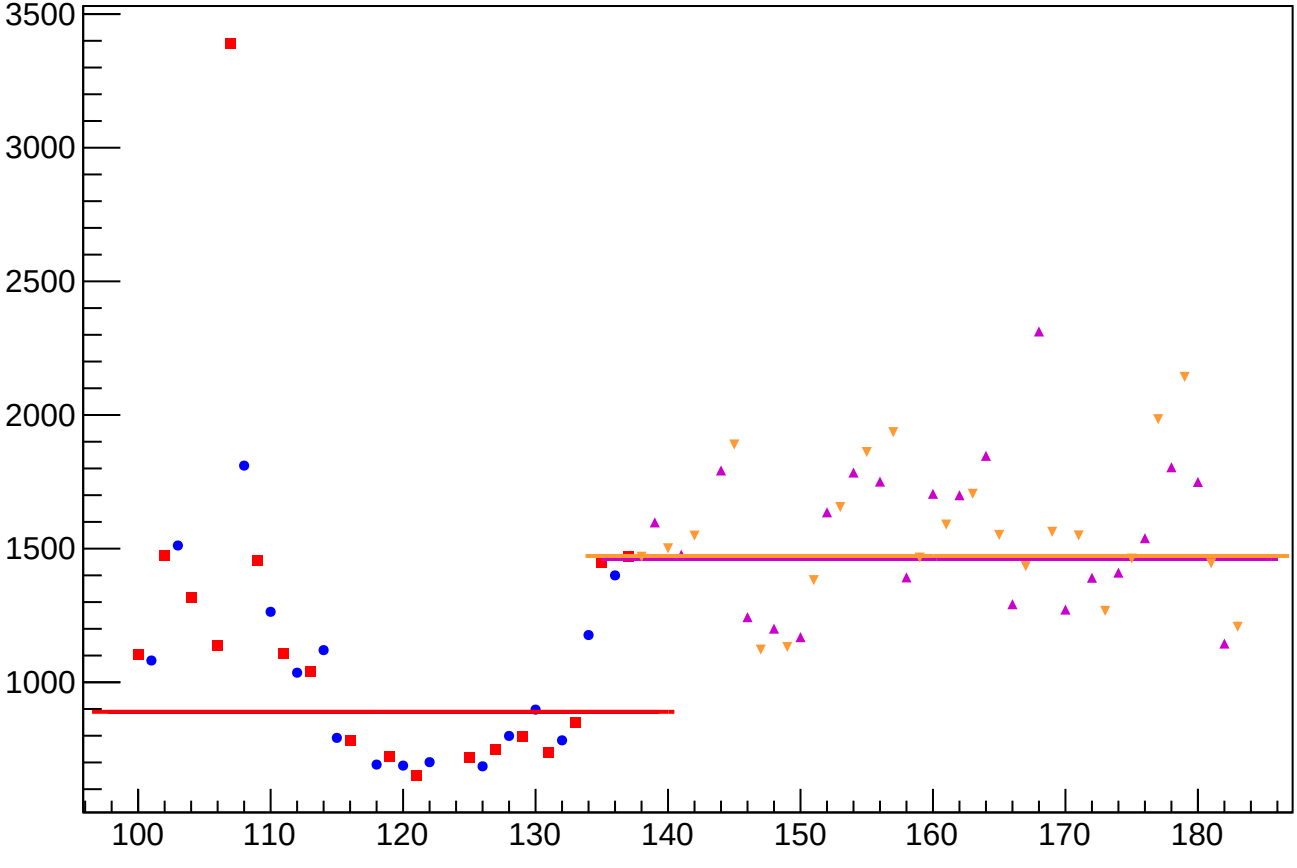
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -23.837+/-246.101 χ^2/NDF:32.9/37

Out: -147.988+/-246.108 χ^2/NDF:74.2/40

All: -85.911+/-174.022 χ^2/NDF: 107.2/78

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1472.526+/-0.248 χ^2/NDF:1018849.1/22

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

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

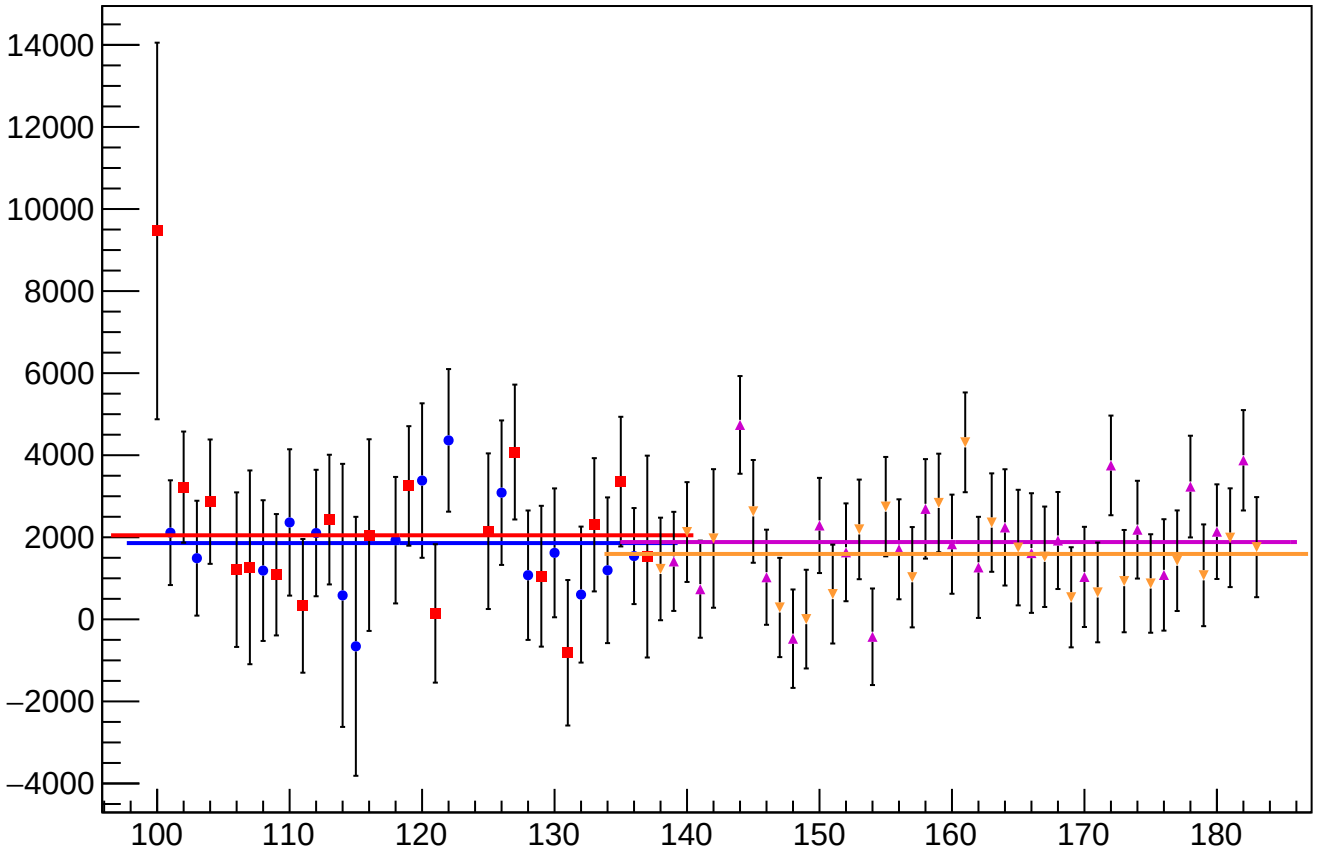
Left: 1466.908+/-0.175 χ^2/NDF: 2107473.6/44

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

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

Out: 1175.919+/-0.174 χ^2/NDF:5169997.9/40

All: 1173.363+/-0.123 χ^2/NDF: 10094519.2/7



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

Left Out: 1593.962+/-258.205 χ^2/NDF:14.8/22

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: 1737.626+/-183.306 χ^2/NDF: 38.6/44

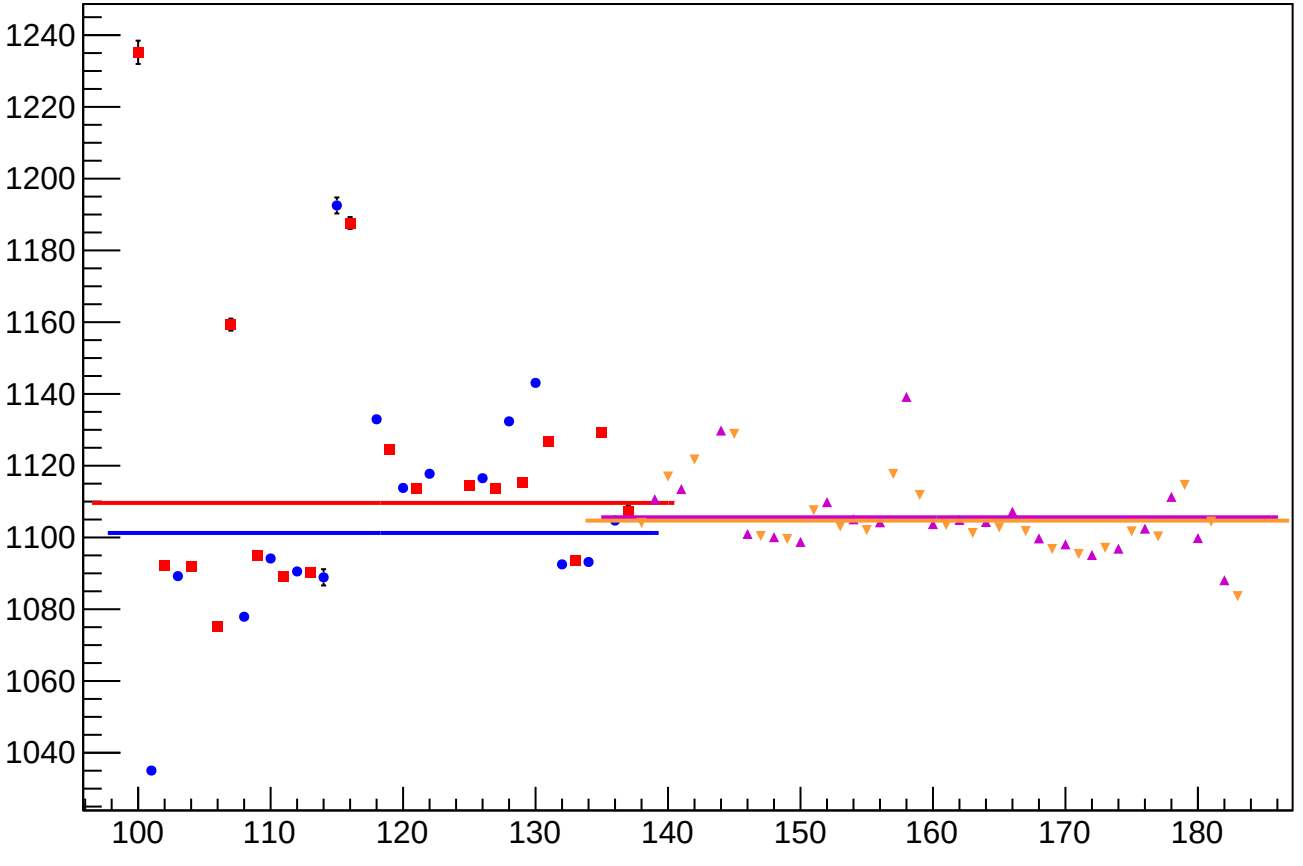
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

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

Out: 1723.591+/-218.320 χ^2/NDF:28.4/40

All: 1799.558+/-154.830 χ^2/NDF: 57.3/78

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1104.696+/-0.183 χ^2/NDF:2608.9/22

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

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

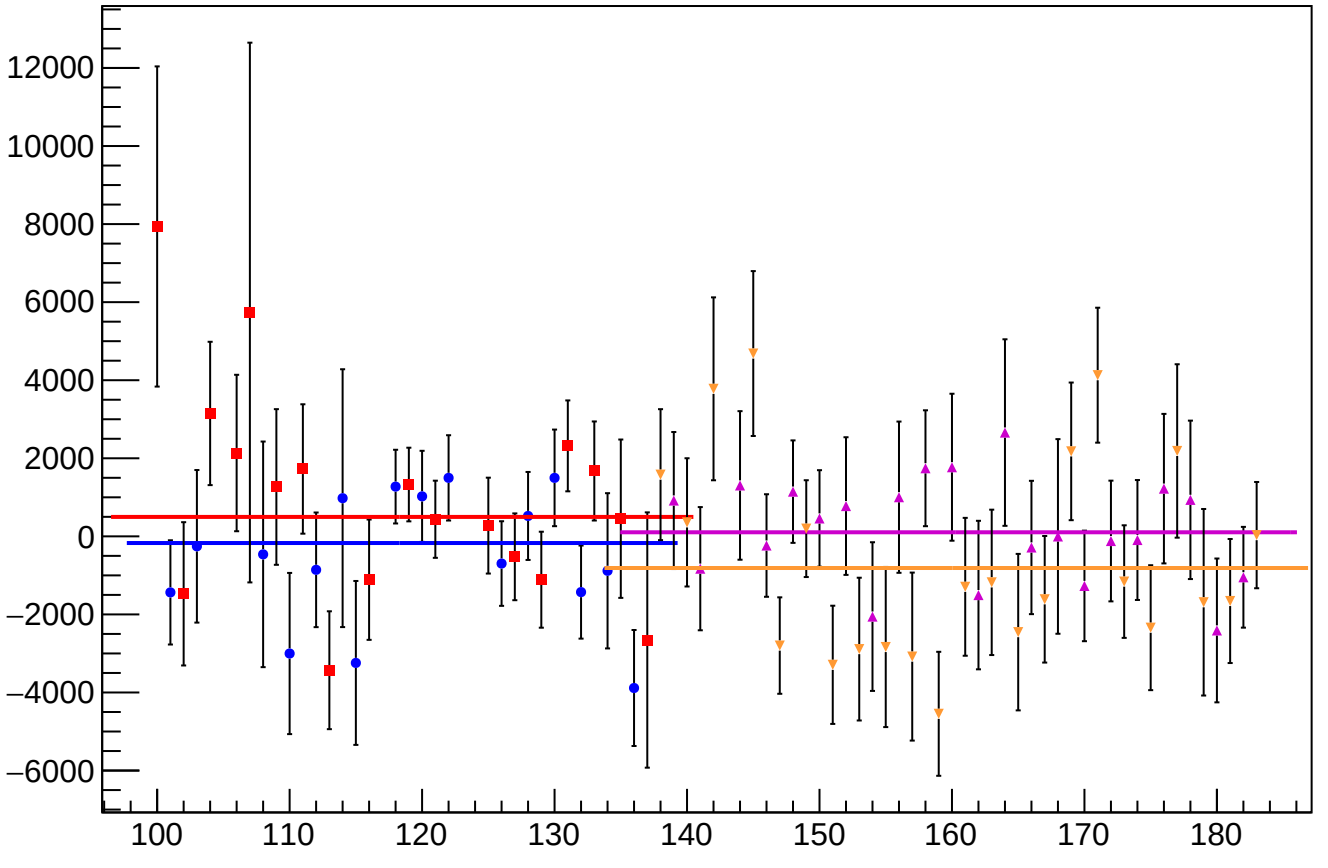
Left: 1105.155+/-0.130 χ^2/NDF: 6180.5/44

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

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

Out: 1106.102+/-0.154 χ^2/NDF:10490.0/40

All: 1105.238+/-0.109 χ^2/NDF: 25582.4/78



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

Left Out: -810.930+/-351.319 χ^2/NDF:43.6/22

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: -352.781+/-248.269 χ^2/NDF: 58.5/44

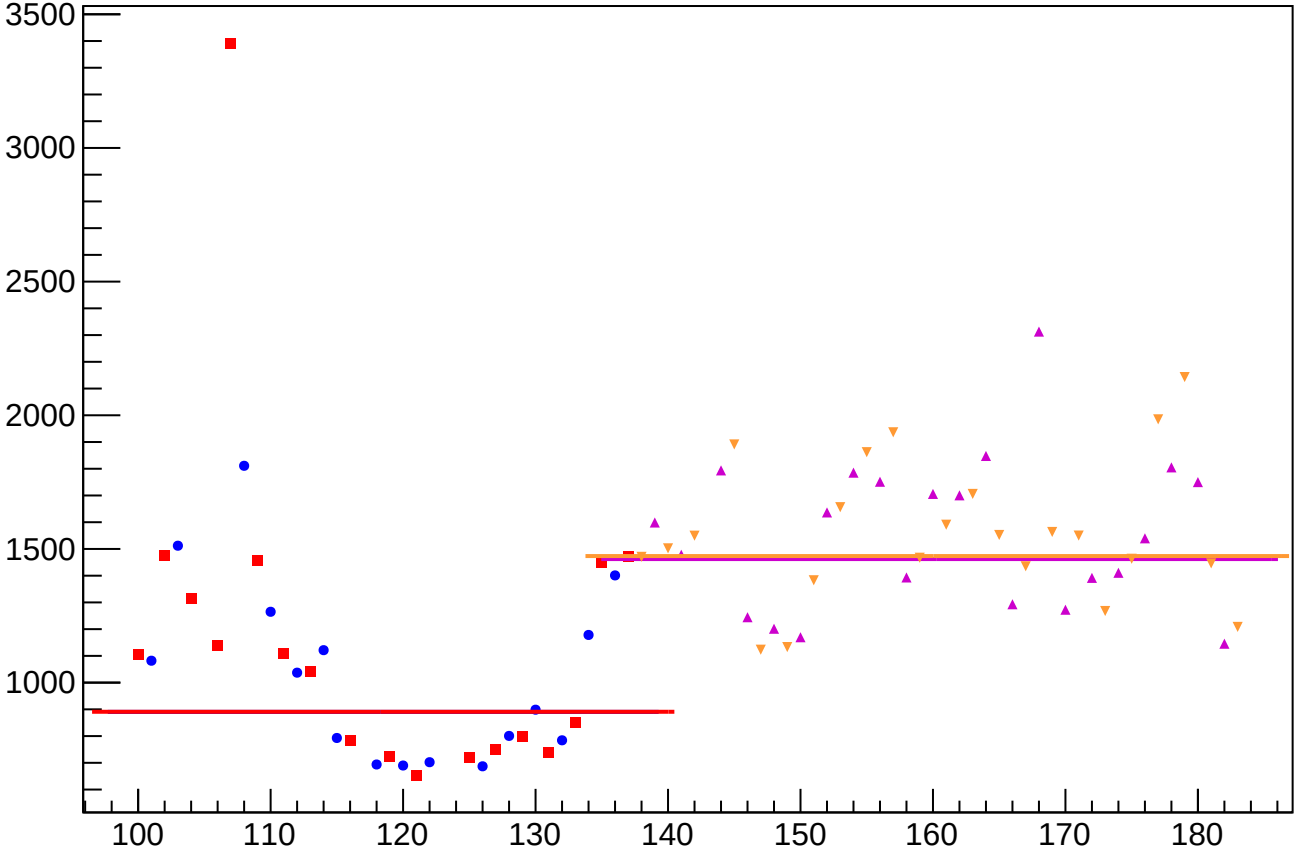
Right: 163.915+/-244.498 χ^2/NDF: 46.7/33

In: -35.276+/-246.364 χ^2/NDF:32.7/37

Out: -145.680+/-246.361 χ^2/NDF:74.6/40

All: -90.479+/-174.204 χ^2/NDF: 107.4/78

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1473.385+/-0.248 χ^2/NDF:1017391.3/22

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: 1467.764+/-0.176 χ^2/NDF: 2104448.9/44

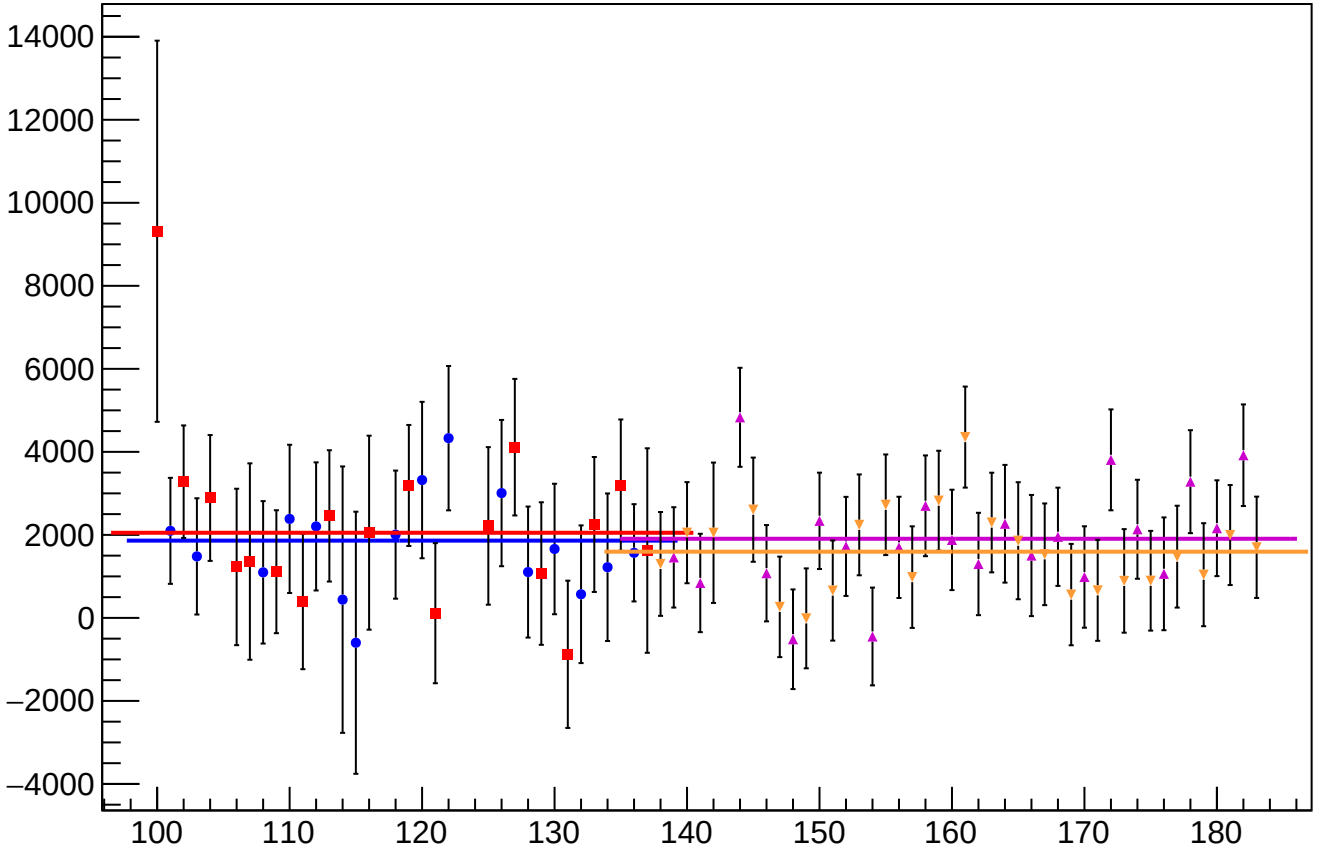
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

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

Out: 1177.353+/-0.174 χ^2/NDF:5153160.1/40

All: 1174.825+/-0.123 χ^2/NDF: 10059961.5/7

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1595.213+/-258.450 χ^2/NDF:14.8/22

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: 1749.447+/-183.479 χ^2/NDF: 39.4/44

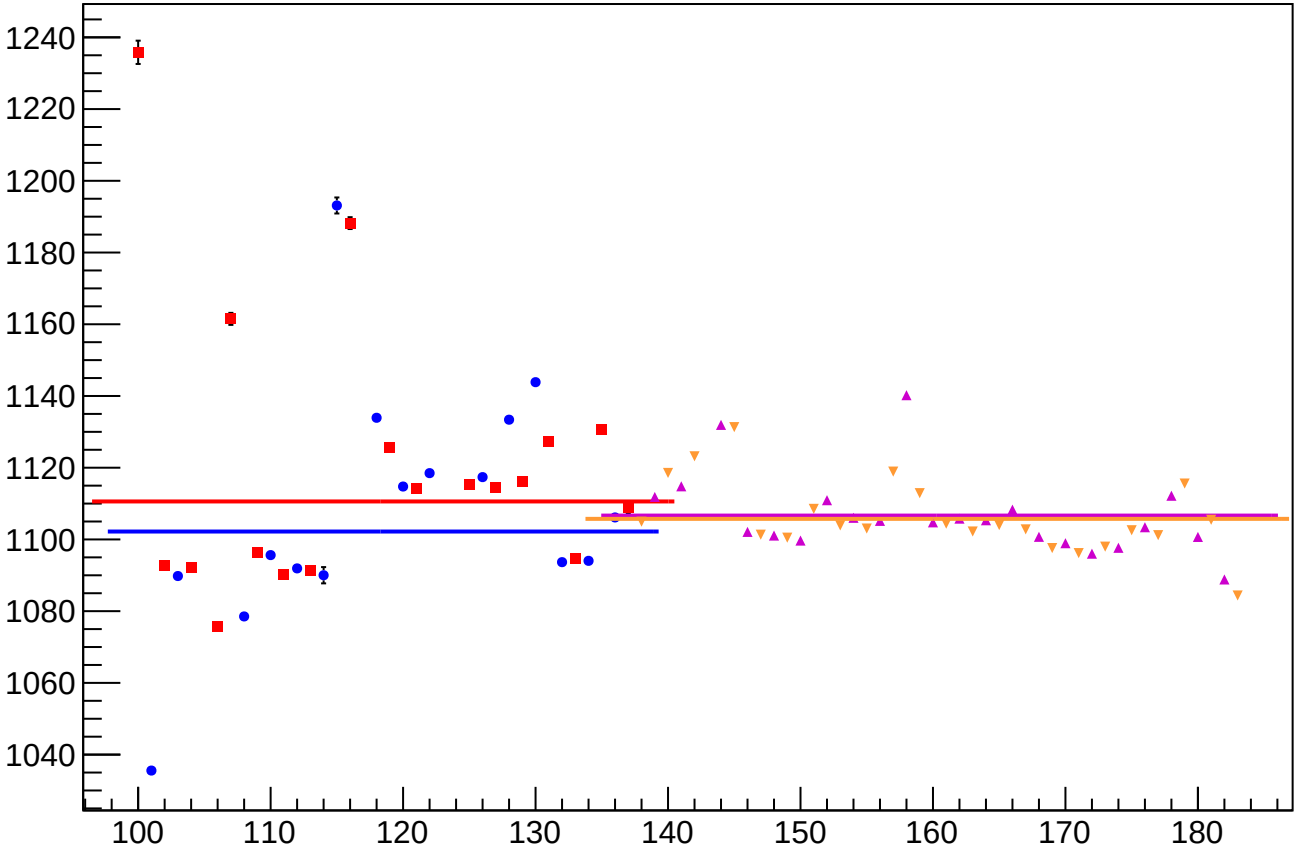
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1725.118+/-218.522 χ^2/NDF:28.2/40

All: 1808.715+/-154.972 χ^2/NDF: 57.8/78

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1105.738+/-0.183 χ^2/NDF:2761.5/22

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

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

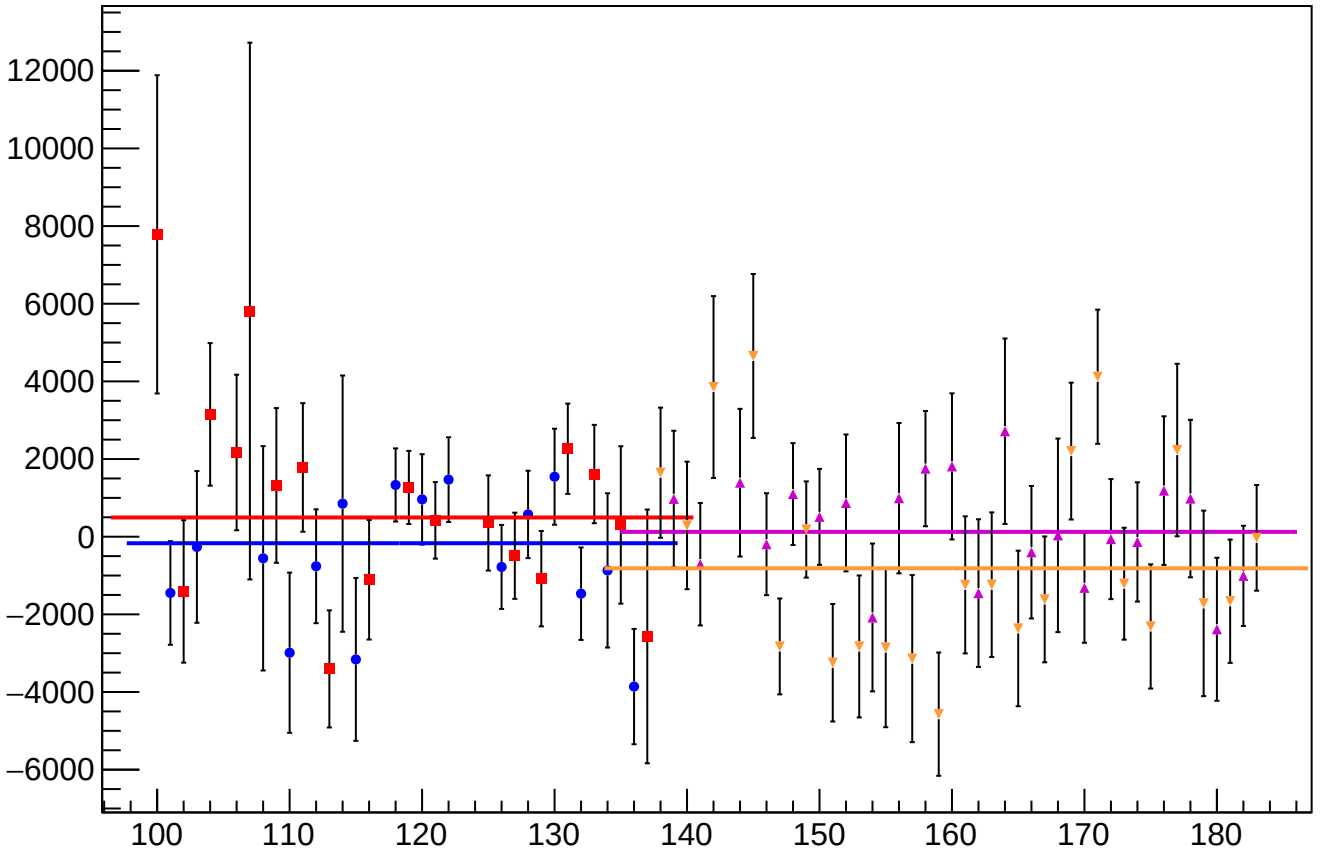
Left: 1106.191+/-0.130 χ^2/NDF: 6443.4/44

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

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

Out: 1107.122+/-0.155 χ^2/NDF:10658.6/40

All: 1106.251+/-0.110 χ^2/NDF: 25908.8/78



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

Left Out: -813.976+/-351.125 χ^2/NDF:43.8/22

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

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

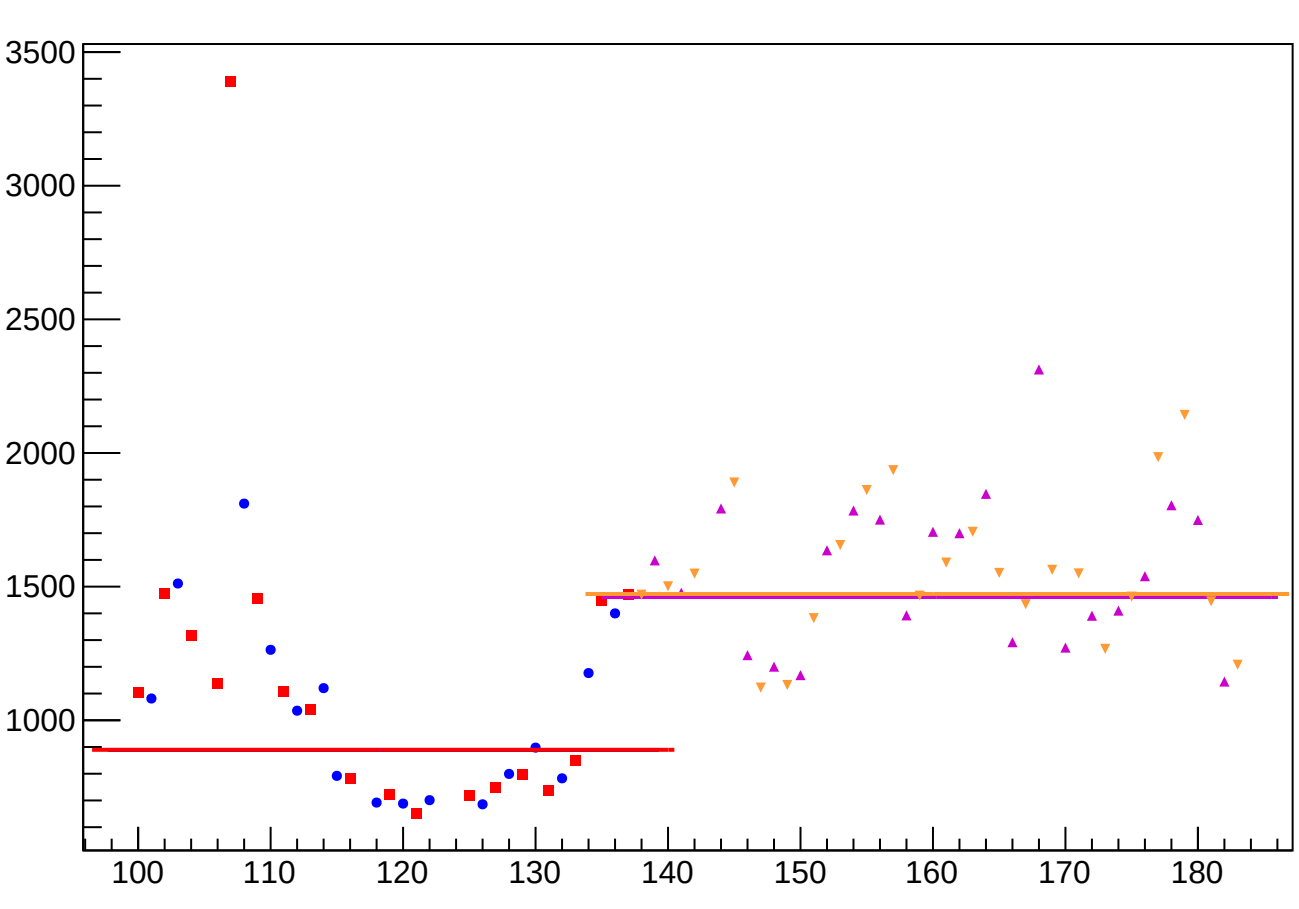
Left: -344.099+/-248.131 χ^2/NDF: 58.9/44

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

In: -23.837+/-246.101 χ^2/NDF:32.9/37

Out: -147.988+/-246.108 χ^2/NDF:74.2/40

All: -85.911+/-174.022 χ^2/NDF: 107.2/78



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

Left Out: 1472.526+/-0.248 χ^2/NDF:1018849.1/22

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: 1466.908+/-0.175 χ^2/NDF: 2107473.6/44

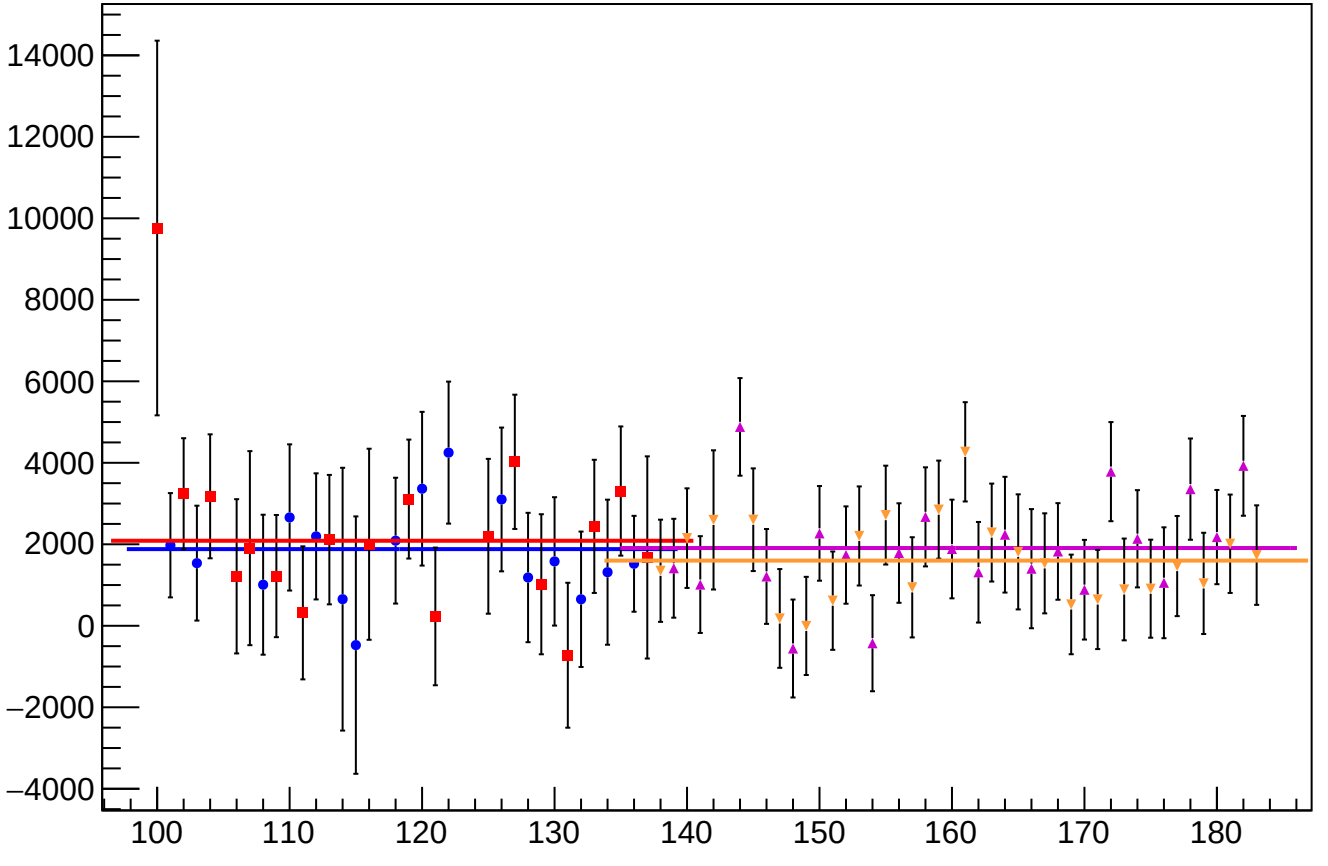
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 1175.919+/-0.174 χ^2/NDF:5169997.9/40

All: 1173.363+/-0.123 χ^2/NDF: 10094519.2/7

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1599.897+/-258.926 χ^2/NDF:15.0/22

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: 1752.923+/-183.796 χ^2/NDF: 39.7/44

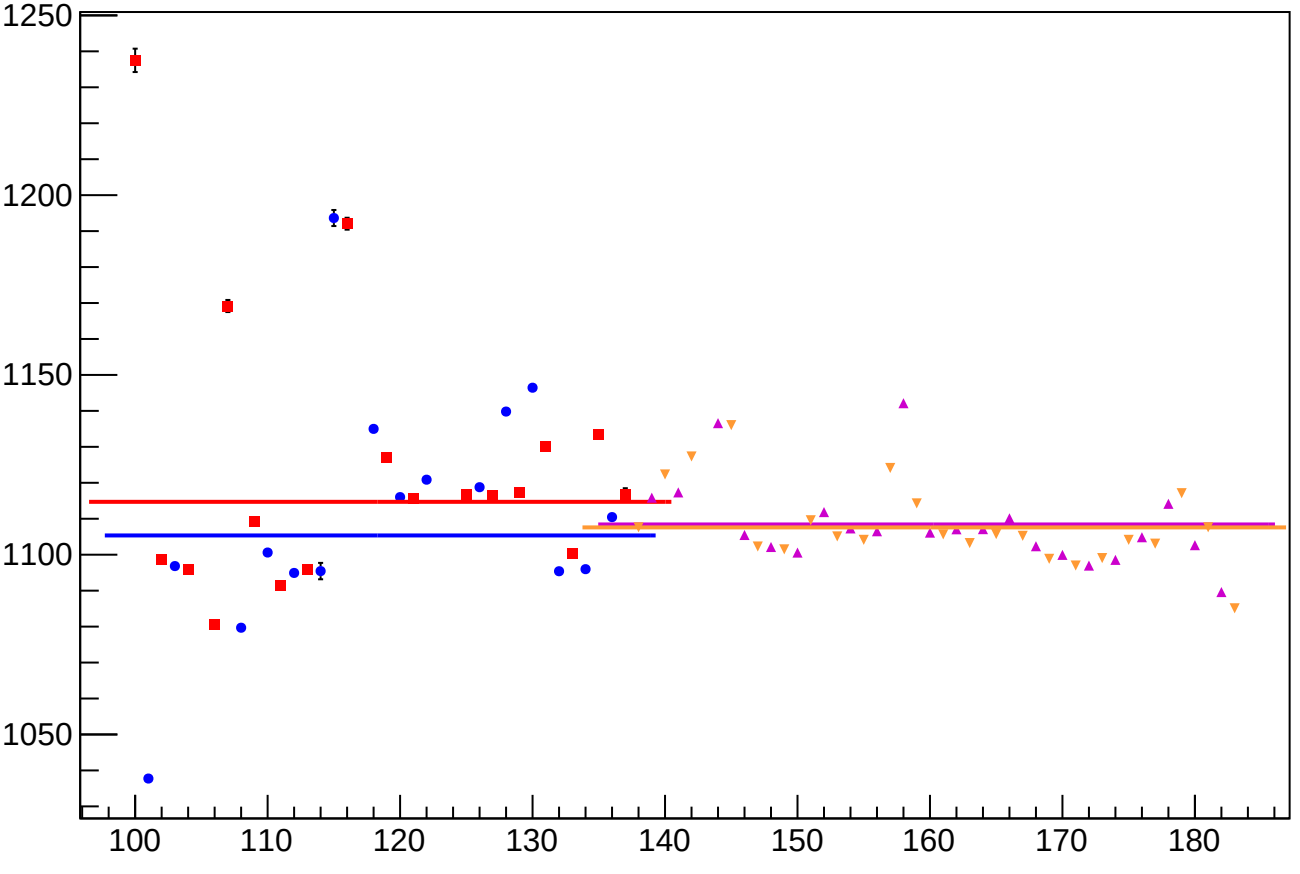
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1900.626+/-220.245 χ^2/NDF:29.1/37

Out: 1738.365+/-219.043 χ^2/NDF:28.4/40

All: 1819.052+/-155.310 χ^2/NDF: 57.8/78

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1107.592+/-0.183 χ^2/NDF:3347.9/22

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: 1107.998+/-0.130 χ^2/NDF: 7423.8/44

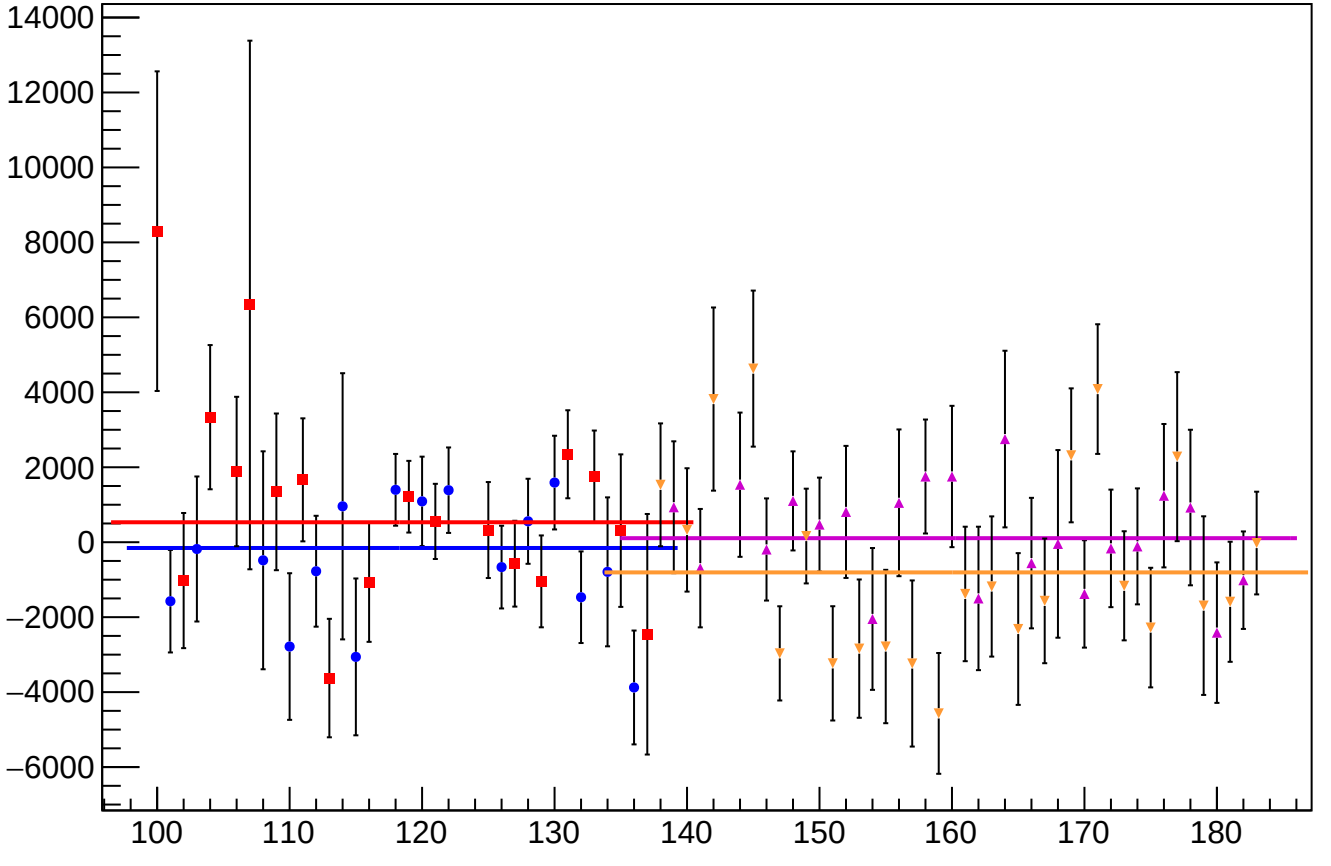
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1107.533+/-0.156 χ^2/NDF:15475.7/37

Out: 1109.614+/-0.155 χ^2/NDF:11107.4/40

All: 1108.579+/-0.110 χ^2/NDF: 26672.9/78

asym_usl_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: -805.623+/-354.463 χ^2/NDF:43.2/22

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: -349.109+/-250.693 χ^2/NDF: 58.2/44

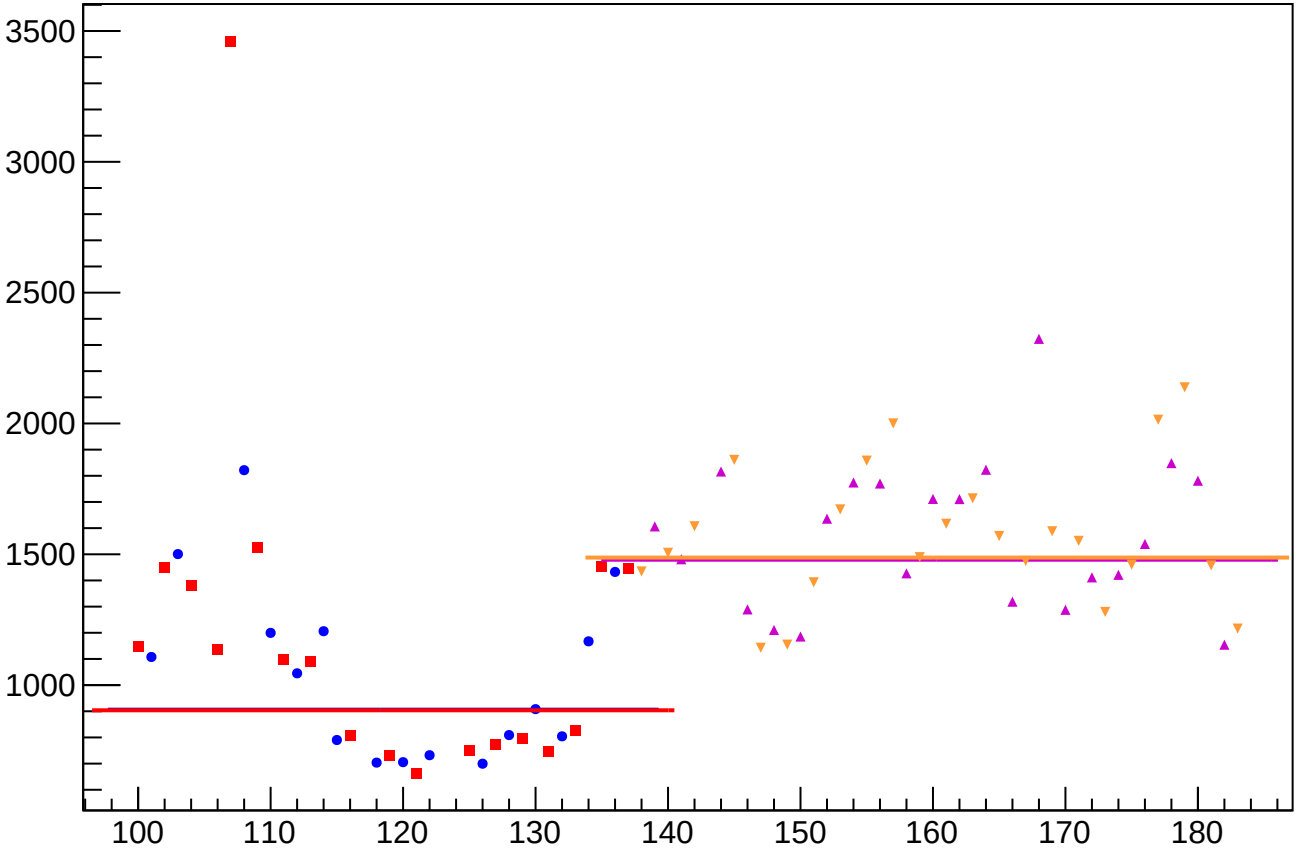
Right: 189.968+/-248.097 χ^2/NDF: 45.6/33

In: -24.335+/-249.573 χ^2/NDF:32.4/37

Out: -129.036+/-249.197 χ^2/NDF:73.7/40

All: -76.764+/-176.342 χ^2/NDF: 106.1/78

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1487.462+/-0.251 χ^2/NDF:991642.5/22

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

Left In: 1479.280+/-0.251 χ^2/NDF:1044831.6/21

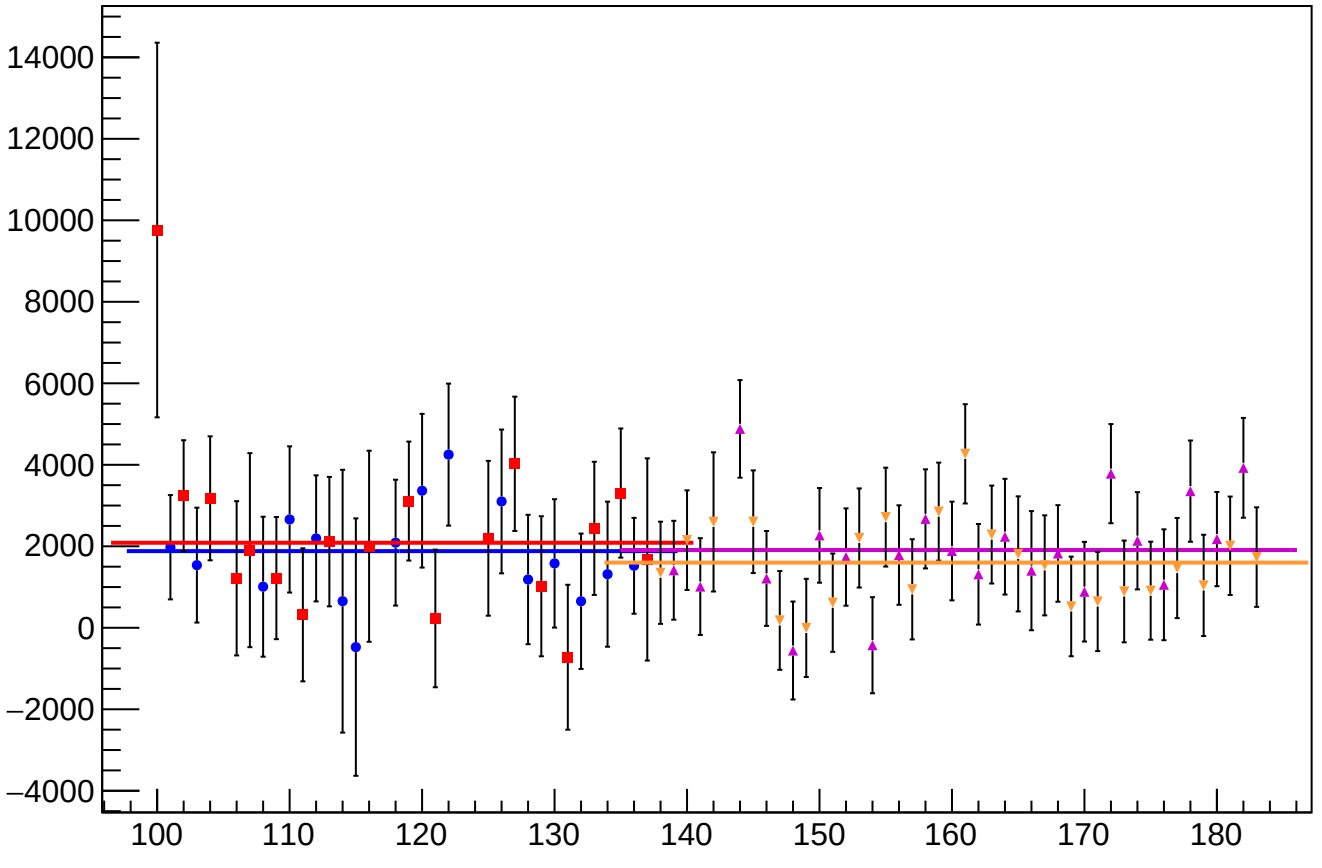
Left: 1483.372+/-0.177 χ^2/NDF: 2037006.8/44

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

In: 1189.990+/-0.176 χ^2/NDF:4761918.3/37

Out: 1192.249+/-0.176 χ^2/NDF:5074586.9/40

All: 1191.121+/-0.125 χ^2/NDF: 9836587.2/78



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1599.894+/-258.926 χ^2/NDF:15.0/22

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

Left In: 1908.338+/-260.938 χ^2/NDF:23.9/21

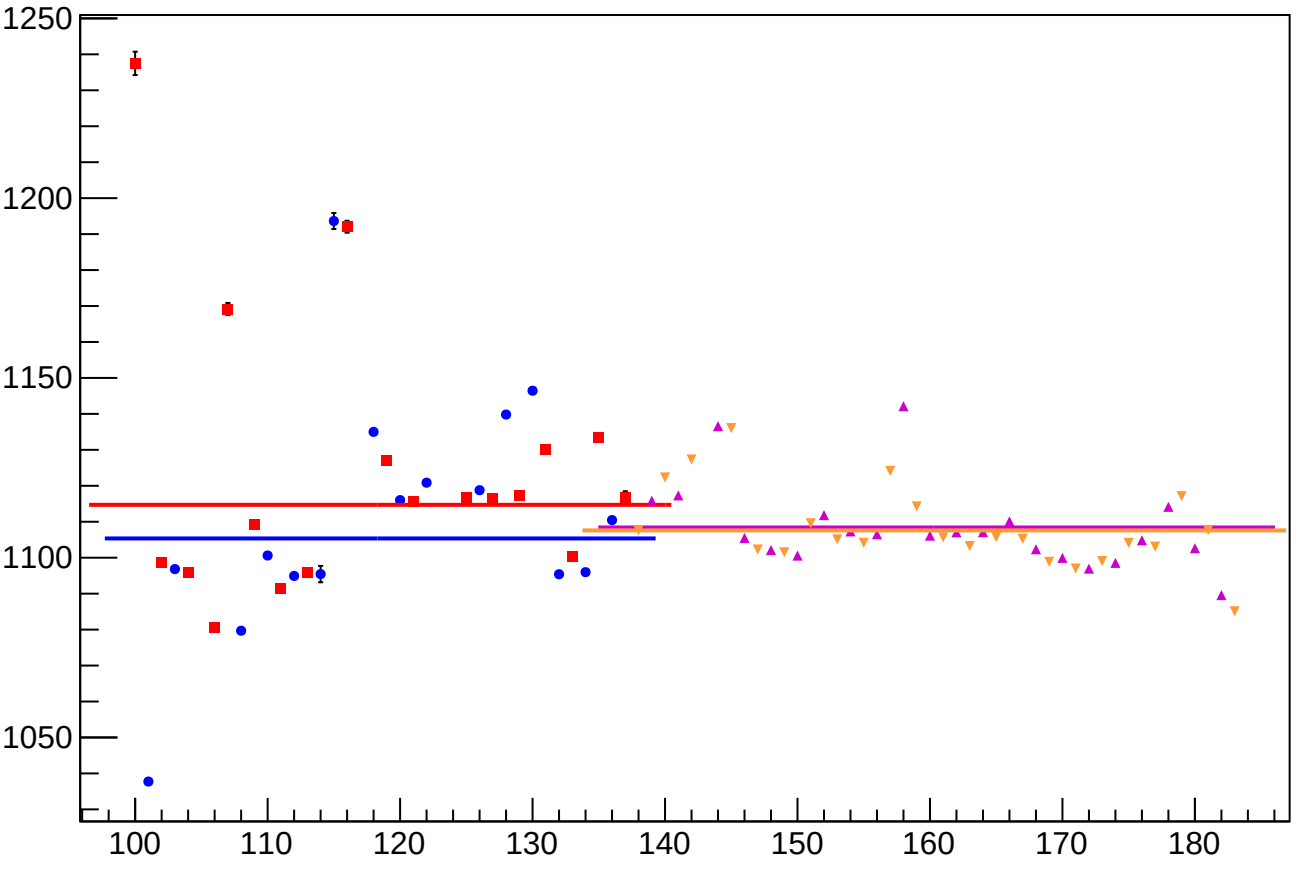
Left: 1752.922+/-183.796 χ^2/NDF: 39.7/44

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

In: 1900.626+/-220.245 χ^2/NDF:29.1/37

Out: 1738.362+/-219.043 χ^2/NDF:28.4/40

All: 1819.051+/-155.310 χ^2/NDF: 57.8/78



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

Left Out: 1107.592+/-0.183 χ^2/NDF:3347.9/22

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

Left In: 1108.412+/-0.185 χ^2/NDF:4065.9/21

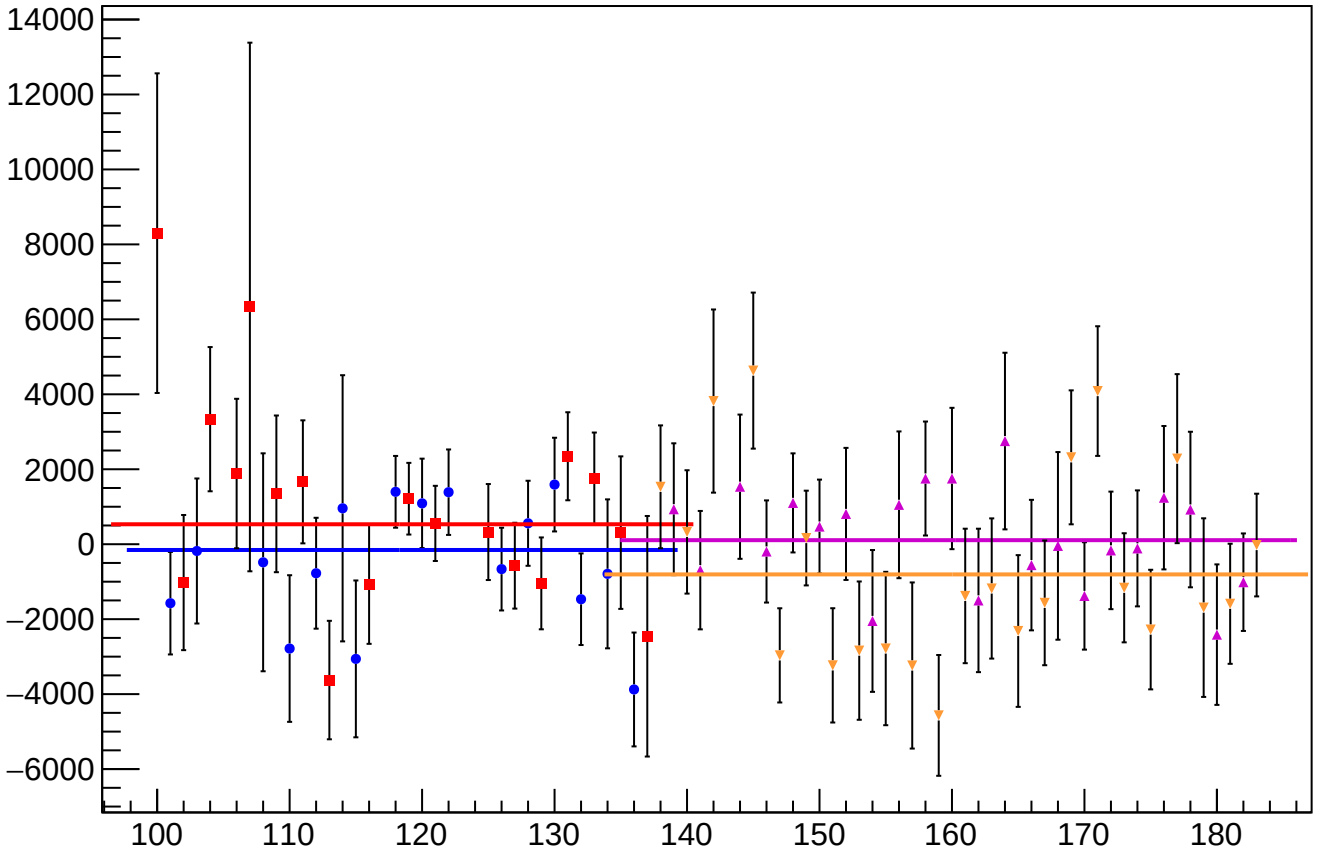
Left: 1107.998+/-0.130 χ^2/NDF: 7423.8/44

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

In: 1107.533+/-0.156 χ^2/NDF:15475.8/37

Out: 1109.614+/-0.155 χ^2/NDF:11107.3/40

All: 1108.579+/-0.110 χ^2/NDF: 26672.9/78



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -805.627+/-354.464 χ^2/NDF:43.2/22

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

Left In: 107.766+/-354.604 χ^2/NDF:11.6/21

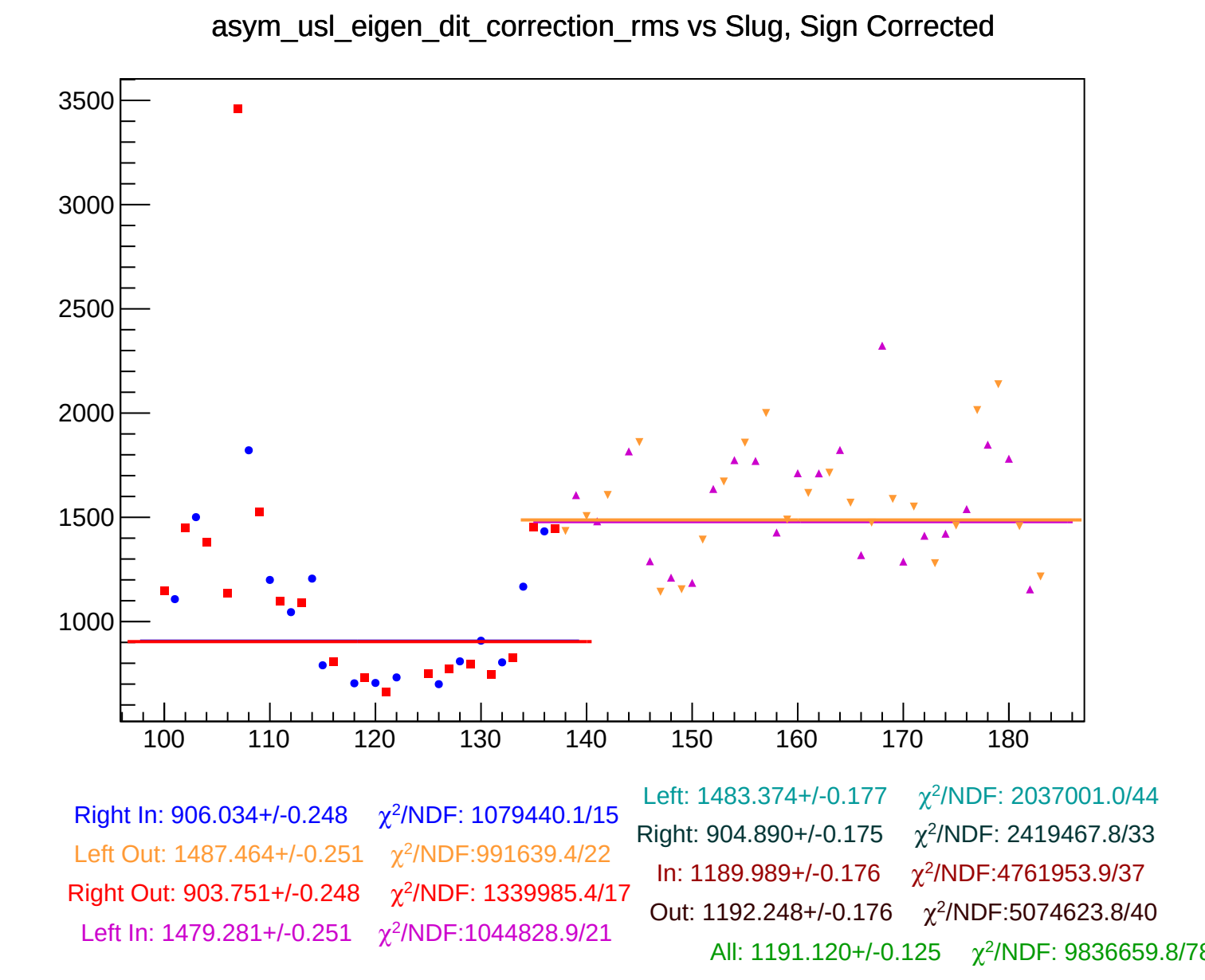
Left: -349.111+/-250.693 χ^2/NDF: 58.2/44

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

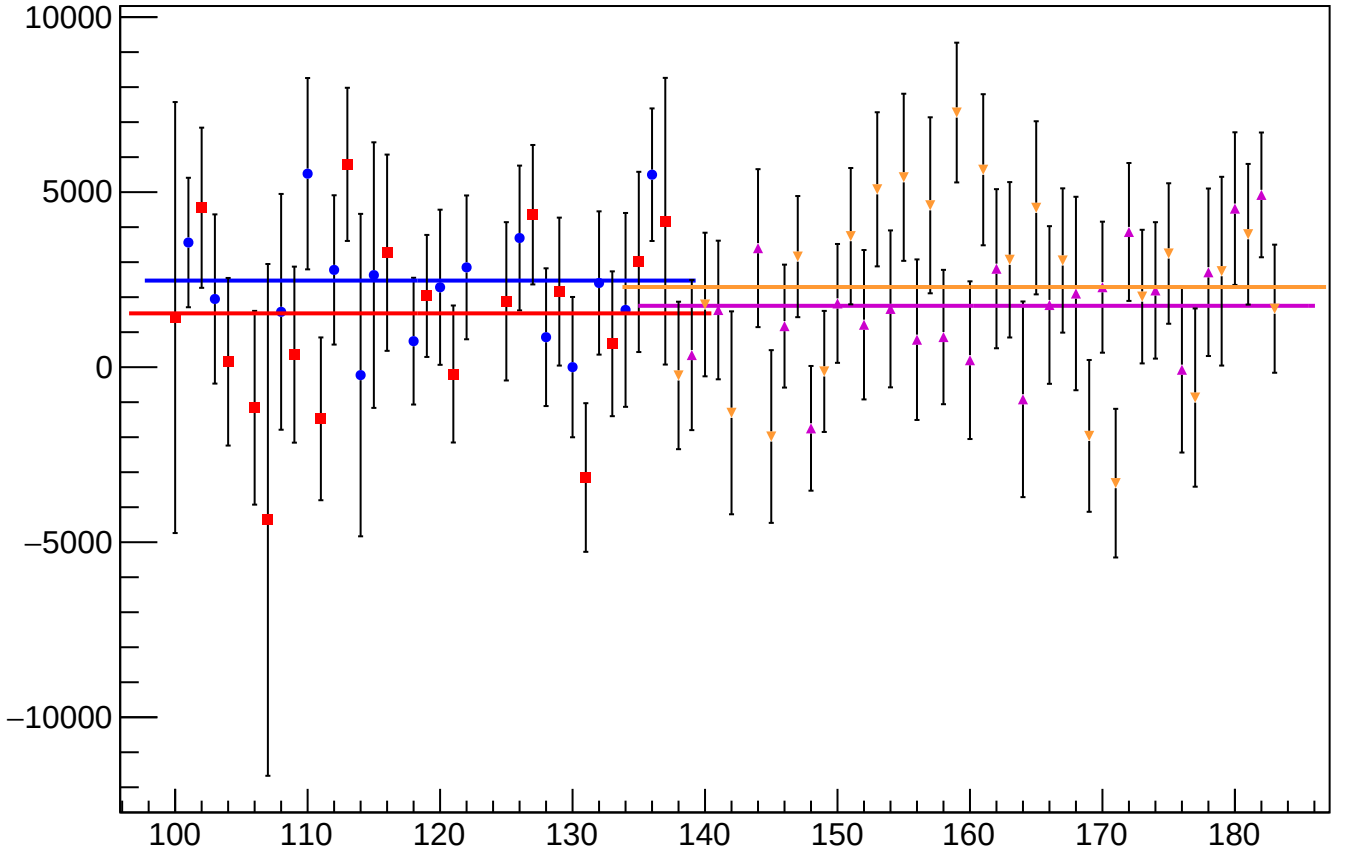
In: -24.335+/-249.572 χ^2/NDF:32.4/37

Out: -129.036+/-249.197 χ^2/NDF:73.7/40

All: -76.764+/-176.341 χ^2/NDF: 106.1/78


asym_usl_eigen_dit_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
180
Right In: 906.034+/-0.248 χ²/NDF: 1079440.1/15
Left Out: 1487.464+/-0.251 χ²/NDF:991639.4/22
Right Out: 903.751+/-0.248 χ²/NDF: 1339985.4/17
Left In: 1479.281+/-0.251 χ²/NDF:1044828.9/21
Left: 1483.374+/-0.177 χ²/NDF: 2037001.0/44
Right: 904.890+/-0.175 χ²/NDF: 2419467.8/33
In: 1189.989+/-0.176 χ²/NDF:4761953.9/37
Out: 1192.248+/-0.176 χ²/NDF:5074623.8/40
All: 1191.120+/-0.125 χ²/NDF: 9836659.8/78

asym_usl_mean vs Slug, Sign Corrected



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 2290.089+/-443.573 χ^2/NDF:36.0/22

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: 2022.107+/-313.881 χ^2/NDF: 50.6/44

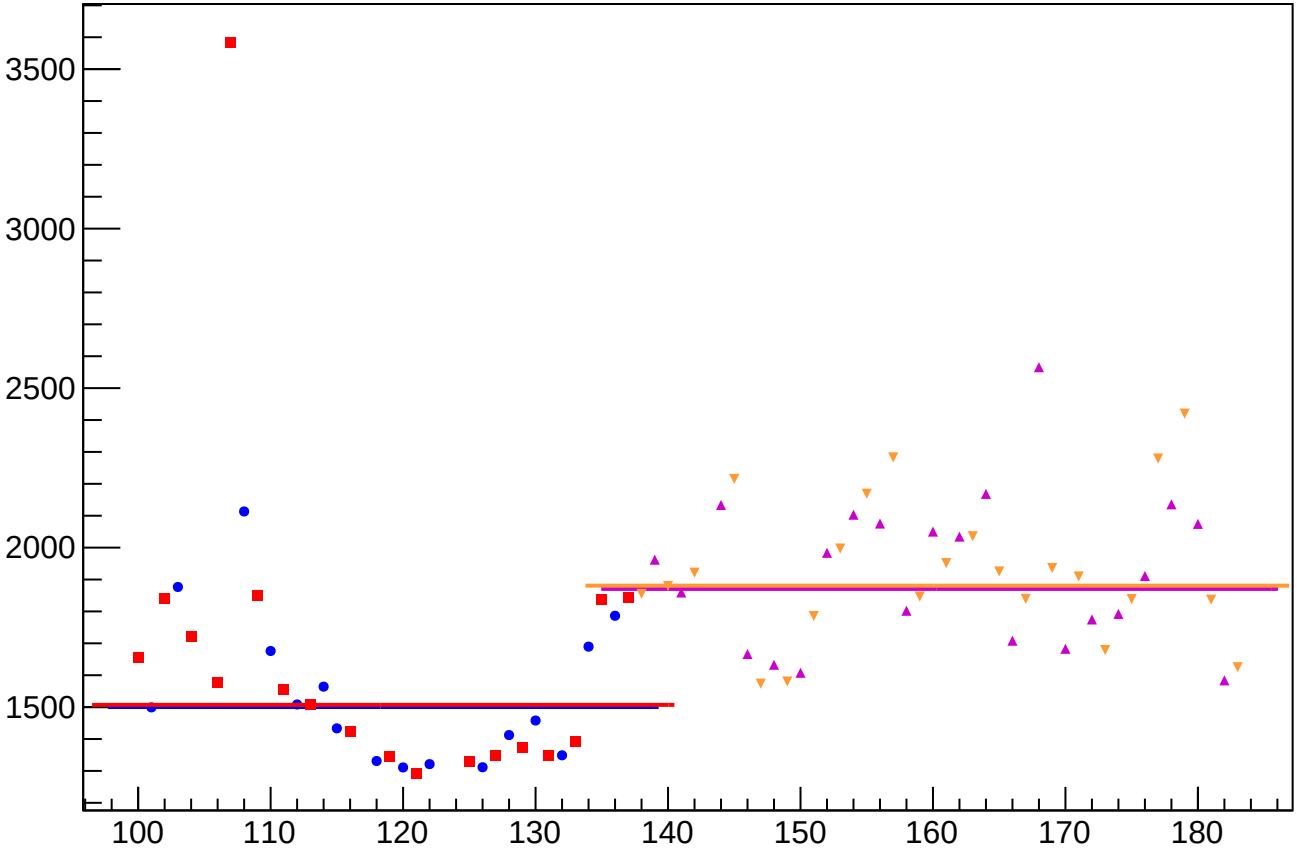
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 2030.000+/-348.686 χ^2/NDF:23.1/37

Out: 2002.174+/-348.556 χ^2/NDF:55.6/40

All: 2016.082+/-246.512 χ^2/NDF: 78.7/78

asym_usl_rms vs Slug, Sign Corrected



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1880.777+/-0.314 χ^2/NDF:459436.1/22

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

Left In: 1870.544+/-0.314 χ^2/NDF:492421.5/21

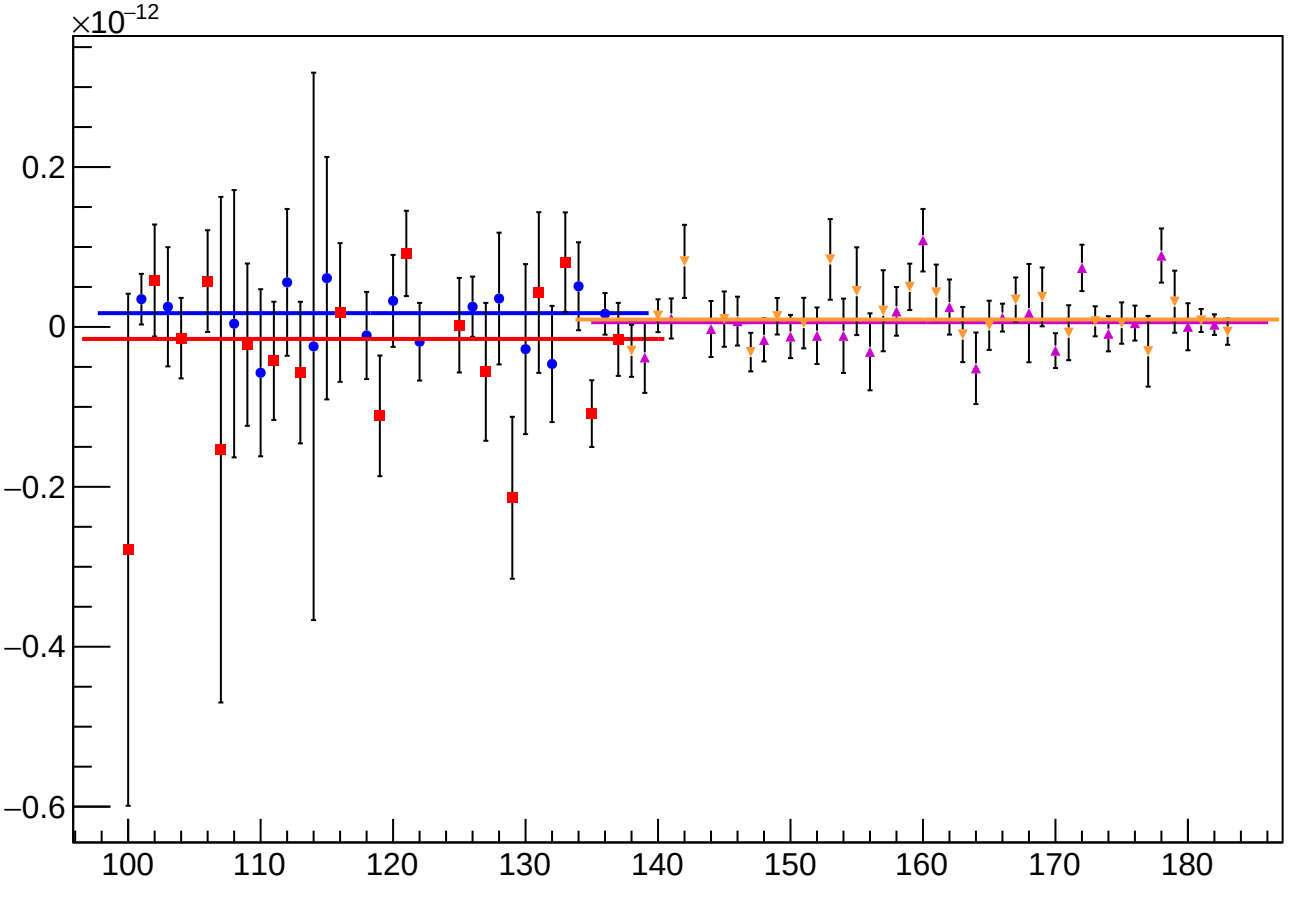
Left: 1875.668+/-0.222 χ^2/NDF: 952389.0/44

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

In: 1728.453+/-0.247 χ^2/NDF:1284311.2/37

Out: 1737.832+/-0.246 χ^2/NDF:1403622.0/40

All: 1733.144+/-0.174 χ^2/NDF: 2688657.0/78



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

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/22

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

Left In: 0.000+/-0.000 χ^2/NDF:27.0/21

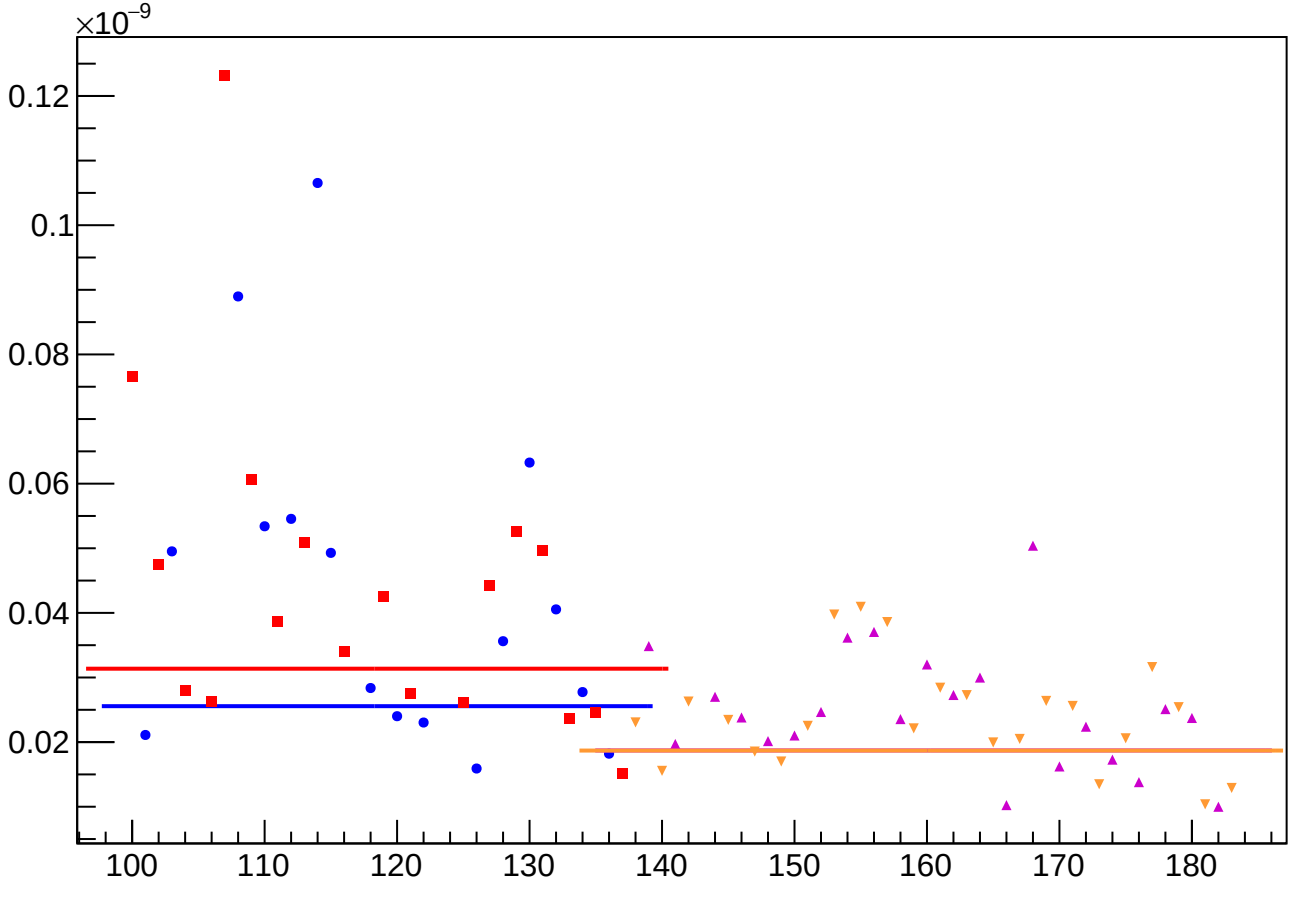
Left: 0.000+/-0.000 χ^2/NDF: 43.8/44

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:39.9/40

All: 0.000+/-0.000 χ^2/NDF: 70.9/78



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

Left Out: 0.000+/-0.000 χ^2/NDF:2997765.8/22

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

Left In: 0.000+/-0.000 χ^2/NDF:3838530.3/21

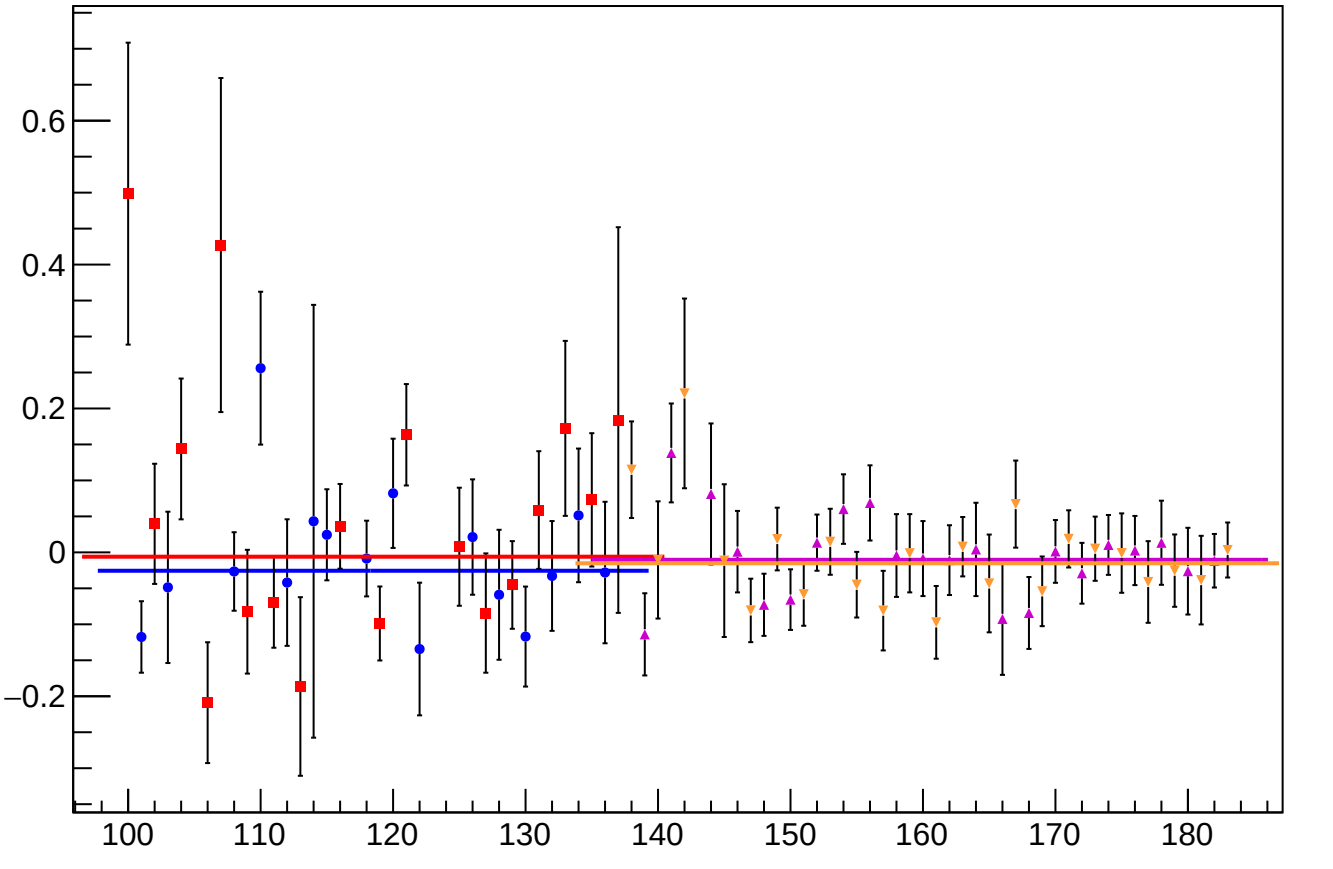
Left: 0.000+/-0.000 χ^2/NDF: 6836302.6/44

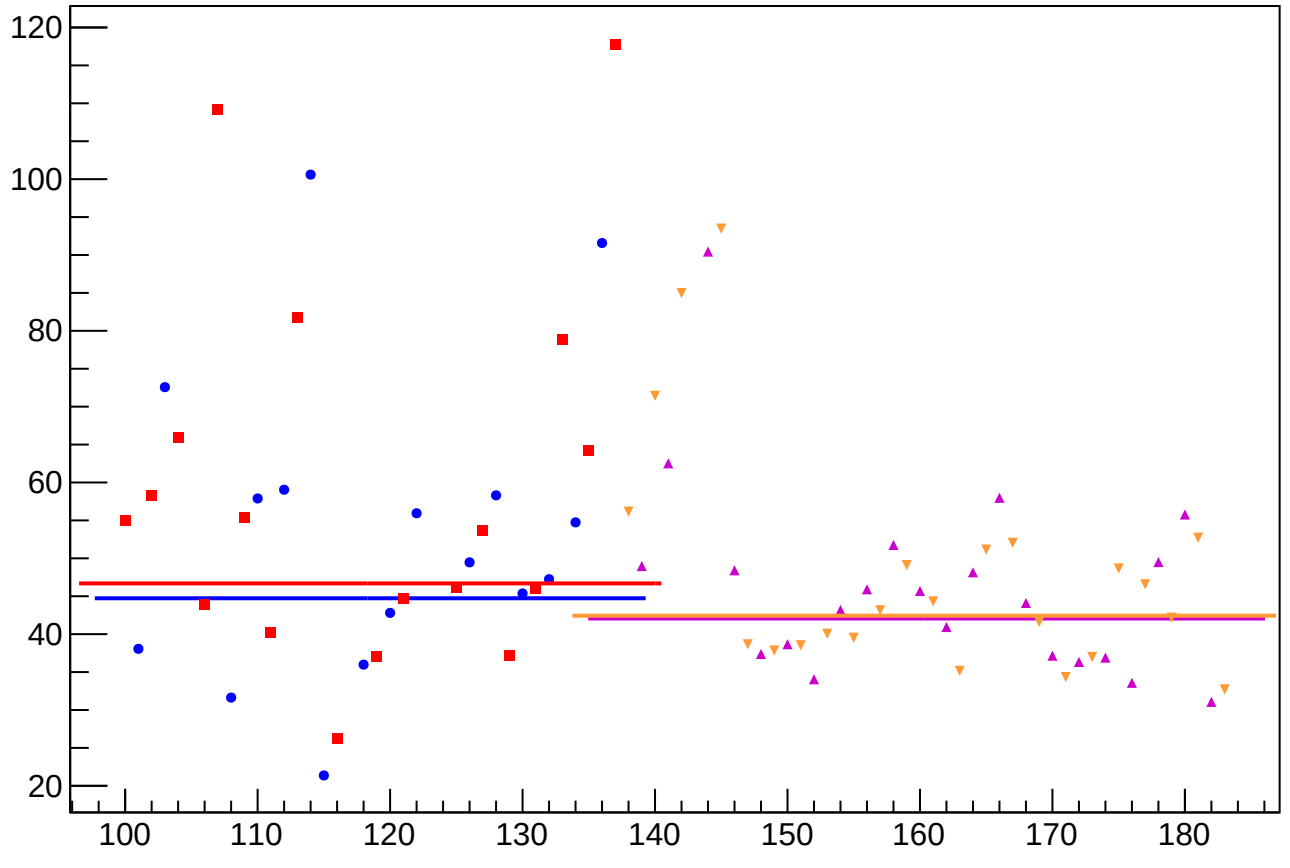
Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

In: 0.000+/-0.000 χ^2/NDF:5982393.0/37

Out: 0.000+/-0.000 χ^2/NDF:5328773.1/40

All: 0.000+/-0.000 χ^2/NDF: 11315301.5/78


asym_usl_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.026+/-0.019 χ²/NDF: 17.6/15
Left Out: -0.015+/-0.011 χ²/NDF:20.3/22
Right Out: -0.006+/-0.019 χ²/NDF: 36.5/17
Left In: -0.010+/-0.011 χ²/NDF:21.7/21
Left: -0.013+/-0.008 χ²/NDF: 42.1/44
Right: -0.016+/-0.013 χ²/NDF: 54.7/33
In: -0.014+/-0.009 χ²/NDF:39.8/37
Out: -0.013+/-0.009 χ²/NDF:57.0/40
All: -0.014+/-0.007 χ²/NDF: 96.8/78



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 42.437+/-0.008 χ^2/NDF:1587005.6/22

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

Left In: 42.063+/-0.008 χ^2/NDF:1489452.7/21

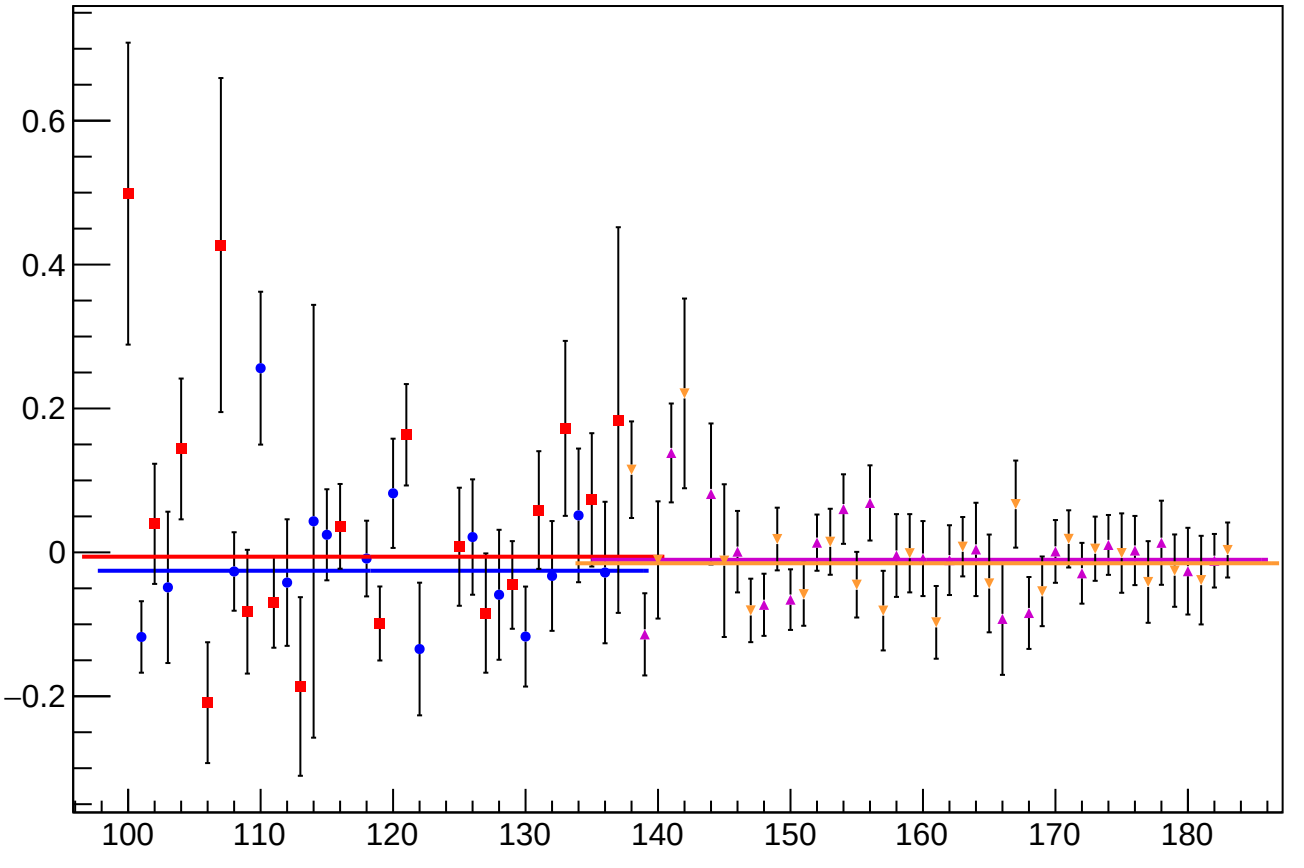
Left: 42.249+/-0.005 χ^2/NDF: 3077684.4/44

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

In: 42.716+/-0.007 χ^2/NDF:2854584.0/37

Out: 43.432+/-0.007 χ^2/NDF:2856185.8/40

All: 43.070+/-0.005 χ^2/NDF: 5716659.1/78



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.015+/-0.011 χ^2/NDF:20.3/22

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

Left In: -0.010+/-0.011 χ^2/NDF:21.7/21

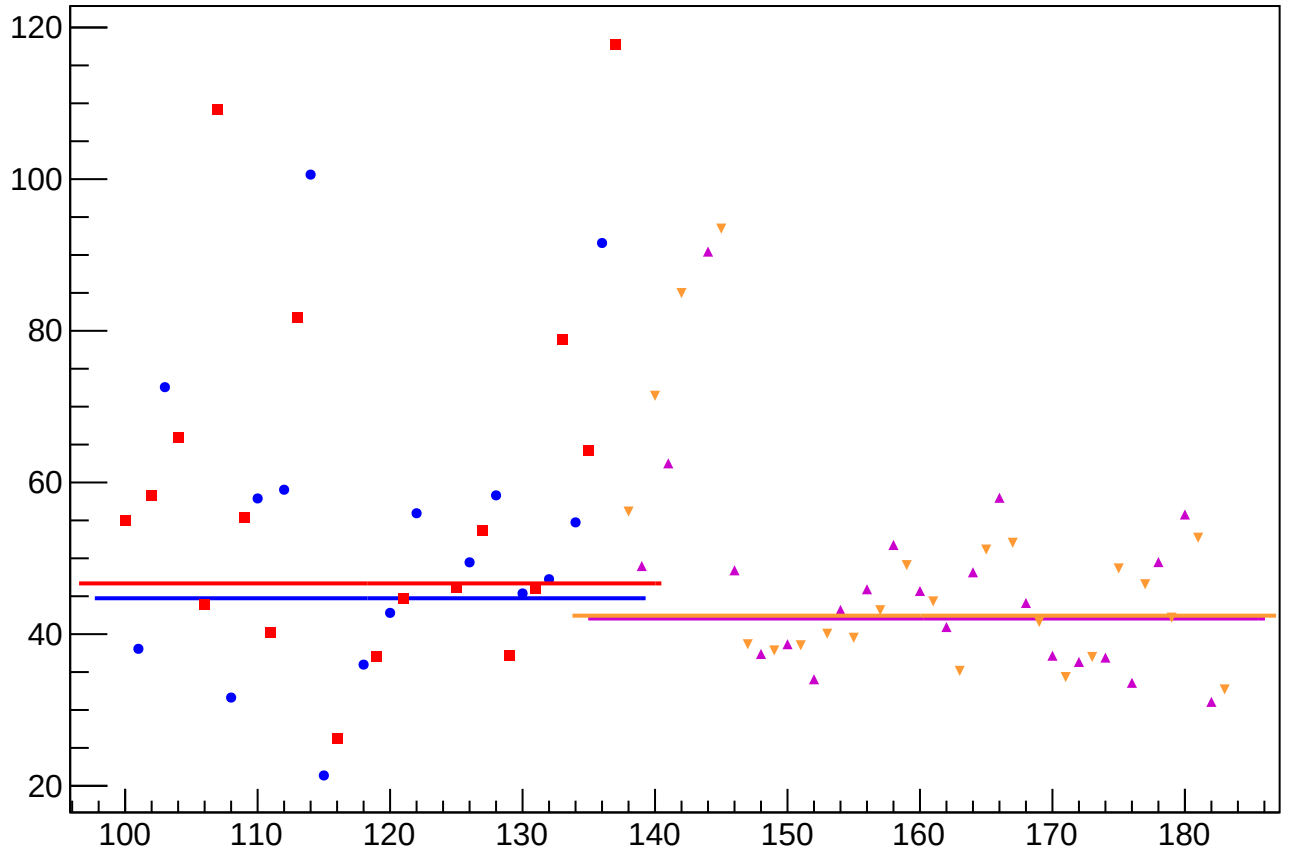
Left: -0.013+/-0.008 χ^2/NDF: 42.1/44

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

In: -0.014+/-0.009 χ^2/NDF:39.8/37

Out: -0.013+/-0.009 χ^2/NDF:57.0/40

All: -0.014+/-0.007 χ^2/NDF: 96.8/78



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 42.437+/-0.008 χ^2/NDF:1587005.6/22

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

Left In: 42.063+/-0.008 χ^2/NDF:1489452.7/21

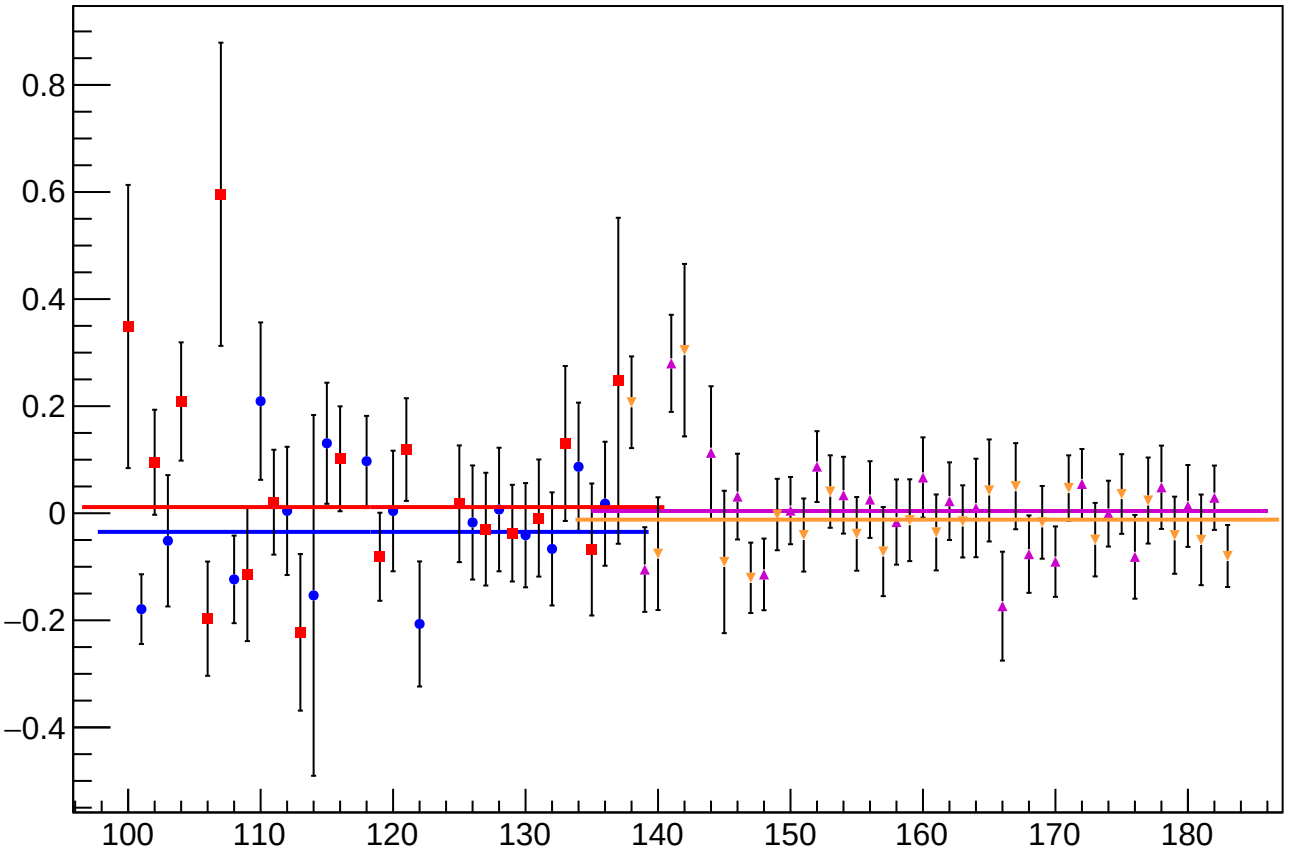
Left: 42.249+/-0.005 χ^2/NDF: 3077684.4/44

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

In: 42.716+/-0.007 χ^2/NDF:2854584.0/37

Out: 43.432+/-0.007 χ^2/NDF:2856185.8/40

All: 43.070+/-0.005 χ^2/NDF: 5716659.1/78



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

Left Out: -0.012+/-0.016 χ^2/NDF:20.0/22

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

Left In: 0.004+/-0.016 χ^2/NDF:26.5/21

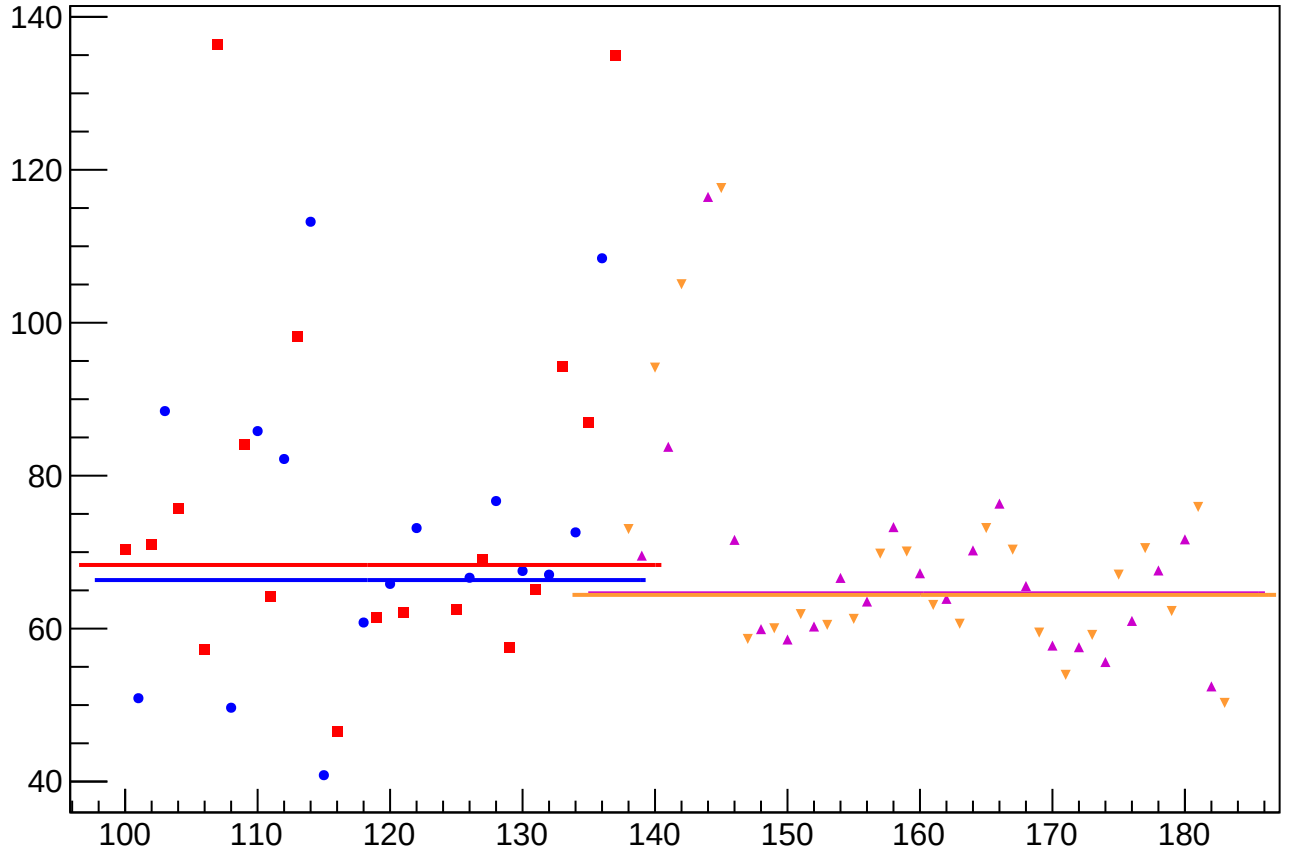
Left: -0.004+/-0.011 χ^2/NDF: 47.0/44

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

In: -0.006+/-0.014 χ^2/NDF:45.6/37

Out: -0.006+/-0.014 χ^2/NDF:43.3/40

All: -0.006+/-0.010 χ^2/NDF: 88.9/78



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 64.412+/-0.011 χ^2/NDF:970874.4/22

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

Left In: 64.612+/-0.011 χ^2/NDF:753716.6/21

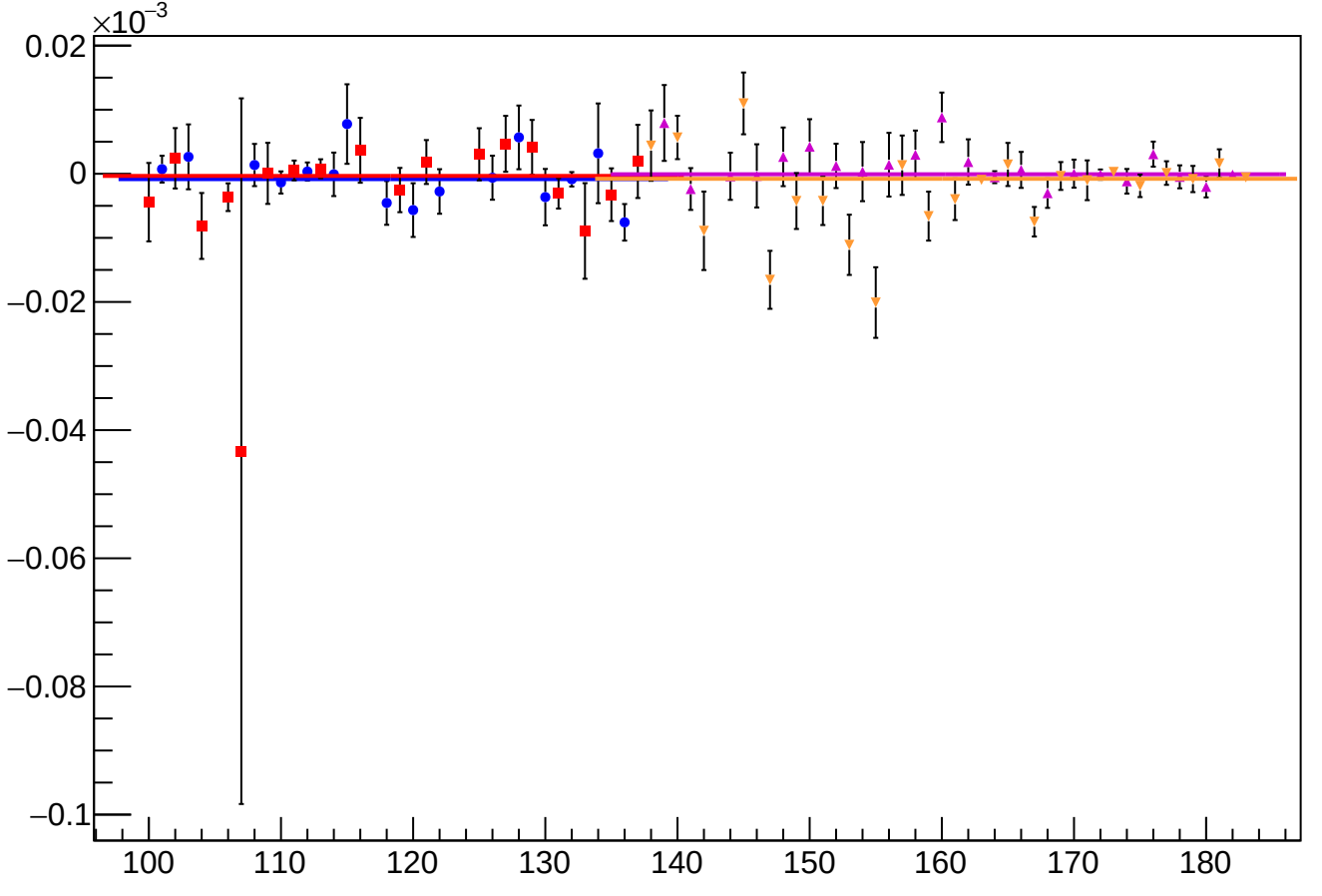
Left: 64.512+/-0.008 χ^2/NDF: 1724753.6/44

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

In: 65.071+/-0.010 χ^2/NDF:1532795.6/37

Out: 65.401+/-0.010 χ^2/NDF:1632110.5/40

All: 65.235+/-0.007 χ^2/NDF: 3165501.3/78



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:59.9/22

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

Left In: -0.000+/-0.000 χ^2/NDF:16.5/21

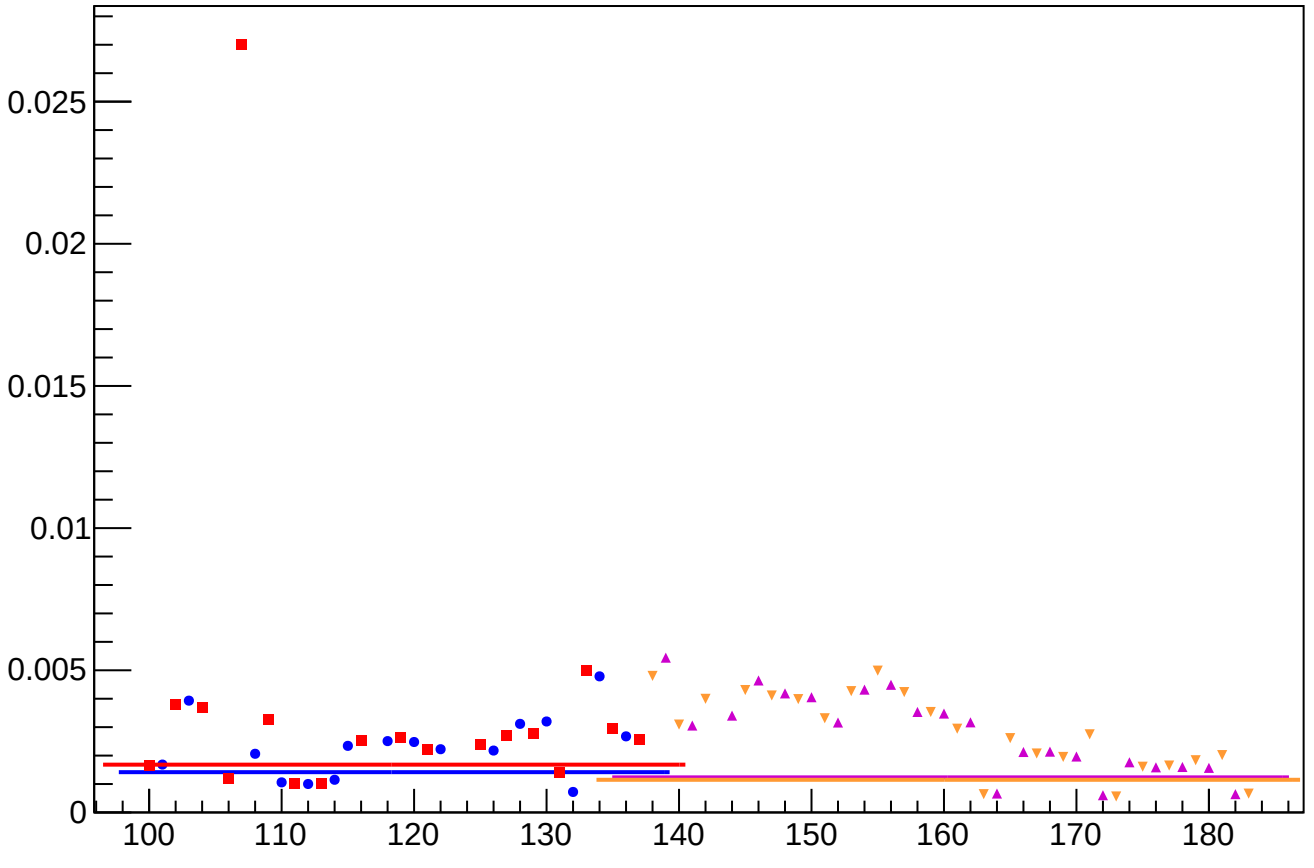
Left: -0.000+/-0.000 χ^2/NDF: 78.2/44

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:75.0/40

All: -0.000+/-0.000 χ^2/NDF: 108.4/78



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:14837669.1/22

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

Left In: 0.001+/-0.000 χ^2/NDF:13727949.5/21

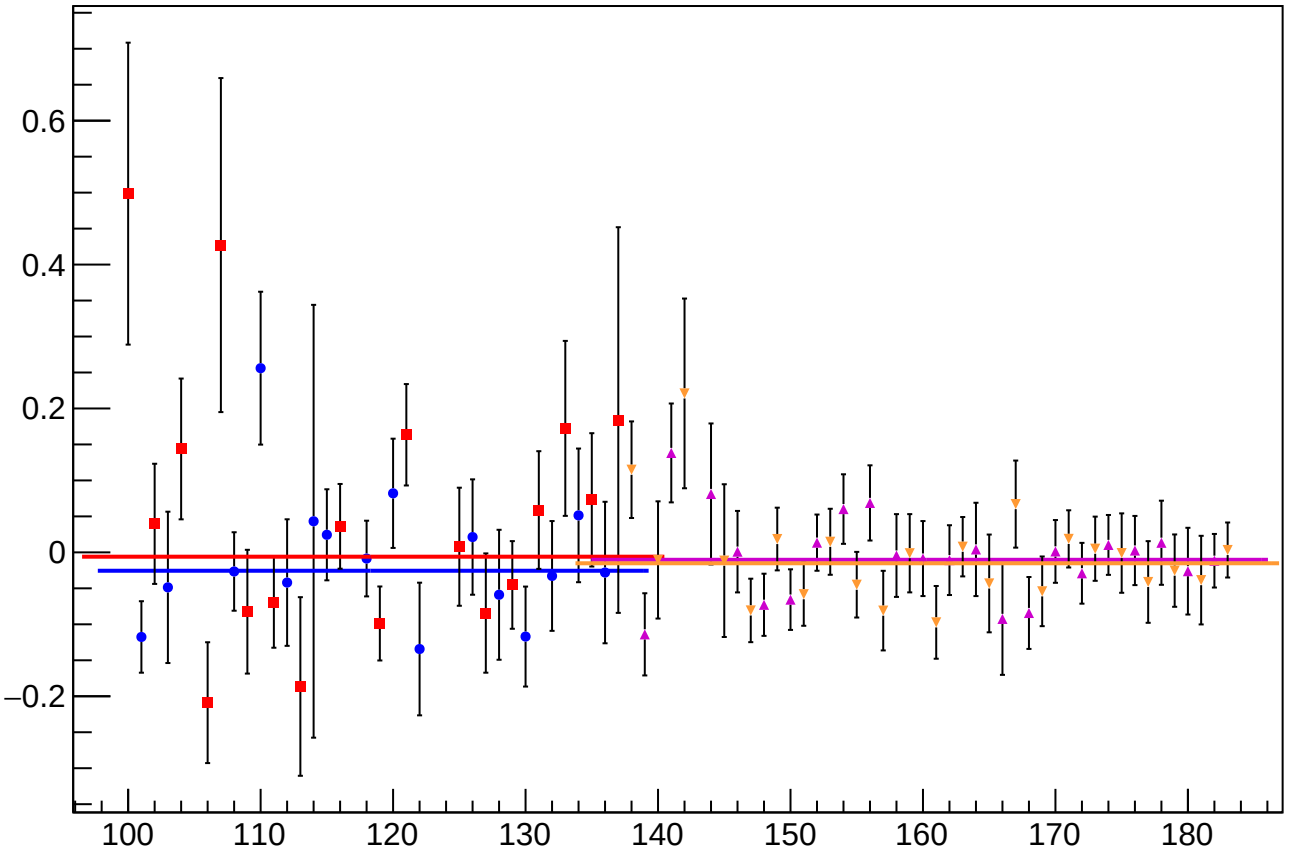
Left: 0.001+/-0.000 χ^2/NDF: 28619233.8/44

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:19135549.5/40

All: 0.001+/-0.000 χ^2/NDF: 36548969.1/78



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.015+/-0.011 χ^2/NDF:20.3/22

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

Left In: -0.010+/-0.011 χ^2/NDF:21.7/21

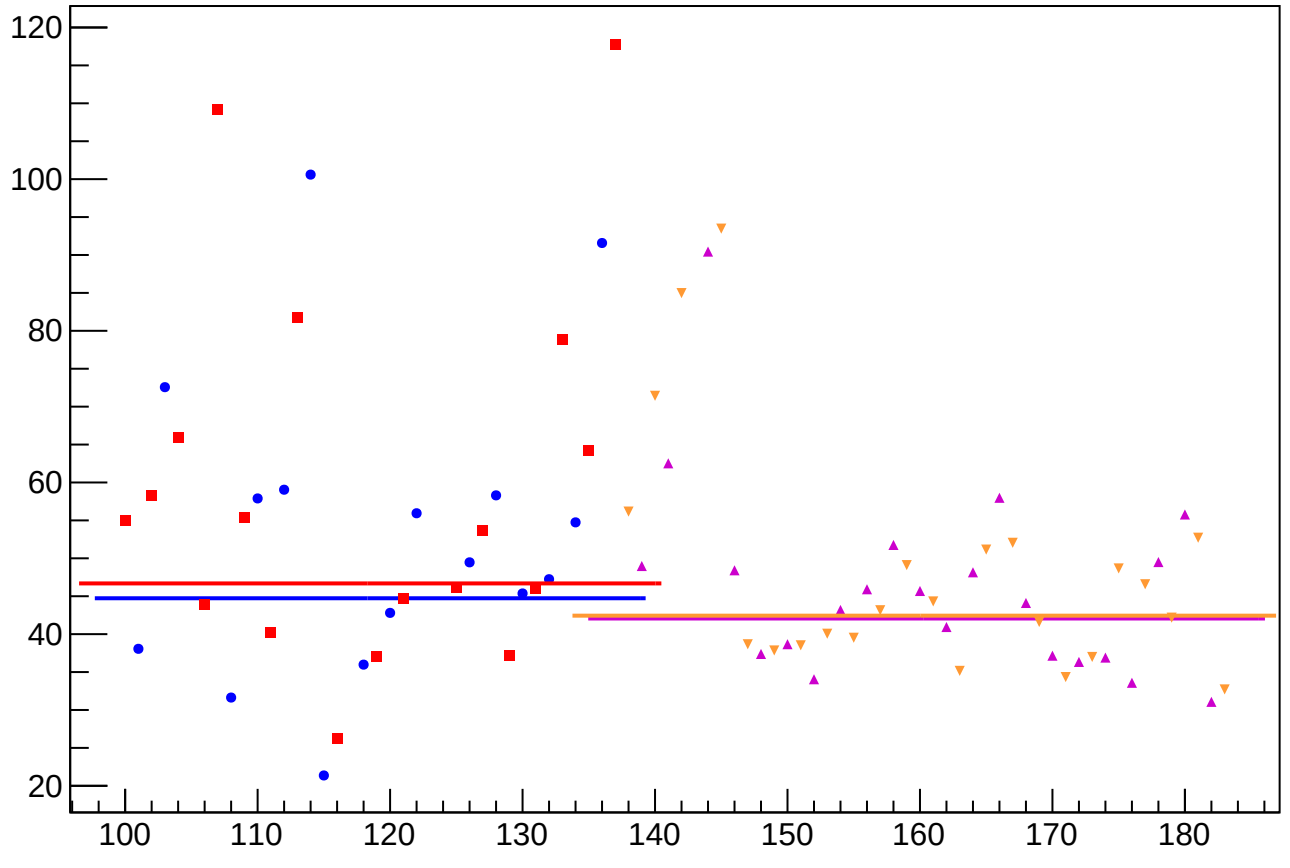
Left: -0.013+/-0.008 χ^2/NDF: 42.1/44

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

In: -0.014+/-0.009 χ^2/NDF:39.8/37

Out: -0.013+/-0.009 χ^2/NDF:57.0/40

All: -0.014+/-0.007 χ^2/NDF: 96.8/78



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.437+/-0.008 χ^2/NDF:1586972.2/22

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

Left In: 42.063+/-0.008 χ^2/NDF:1489402.2/21

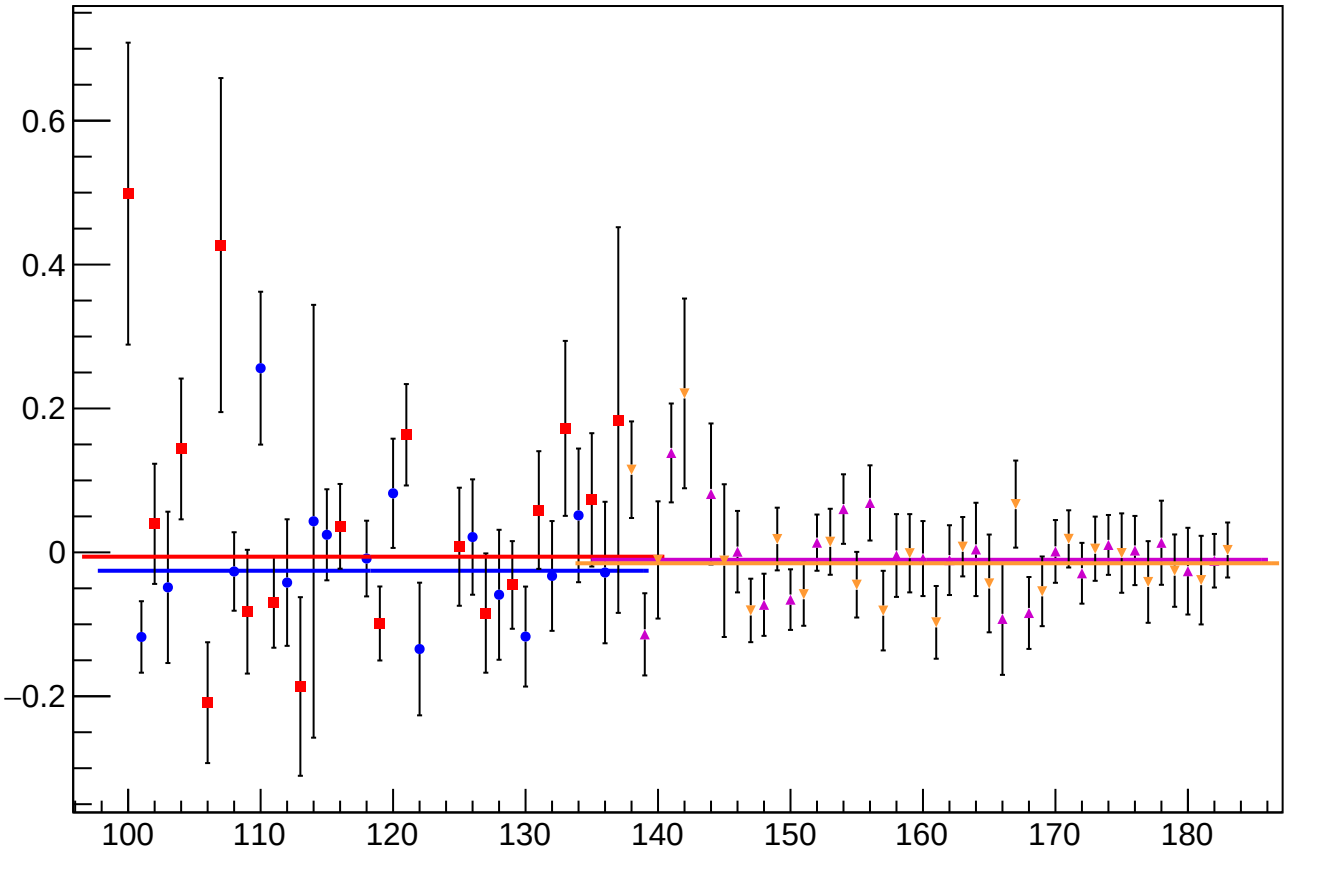
Left: 42.250+/-0.005 χ^2/NDF: 3077599.3/44

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

In: 42.716+/-0.007 χ^2/NDF:2854567.6/37

Out: 43.432+/-0.007 χ^2/NDF:2856156.8/40

All: 43.070+/-0.005 χ^2/NDF: 5716611.5/78



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.015+/-0.011 χ^2/NDF:20.3/22

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

Left In: -0.010+/-0.011 χ^2/NDF:21.7/21

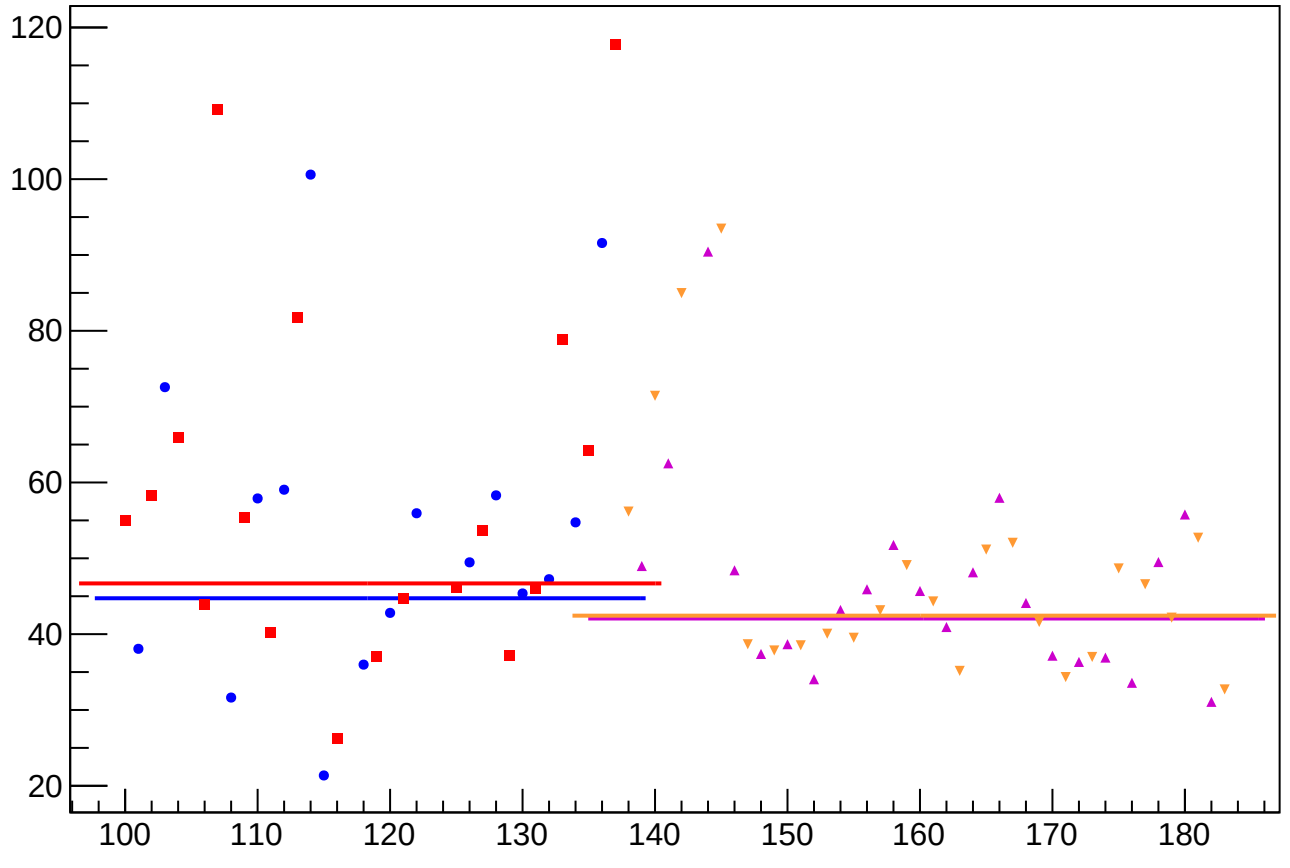
Left: -0.013+/-0.008 χ^2/NDF: 42.1/44

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

In: -0.014+/-0.009 χ^2/NDF:39.8/37

Out: -0.013+/-0.009 χ^2/NDF:57.0/40

All: -0.014+/-0.007 χ^2/NDF: 96.8/78



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.437+/-0.008 χ^2/NDF:1586972.2/22

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

Left In: 42.063+/-0.008 χ^2/NDF:1489402.2/21

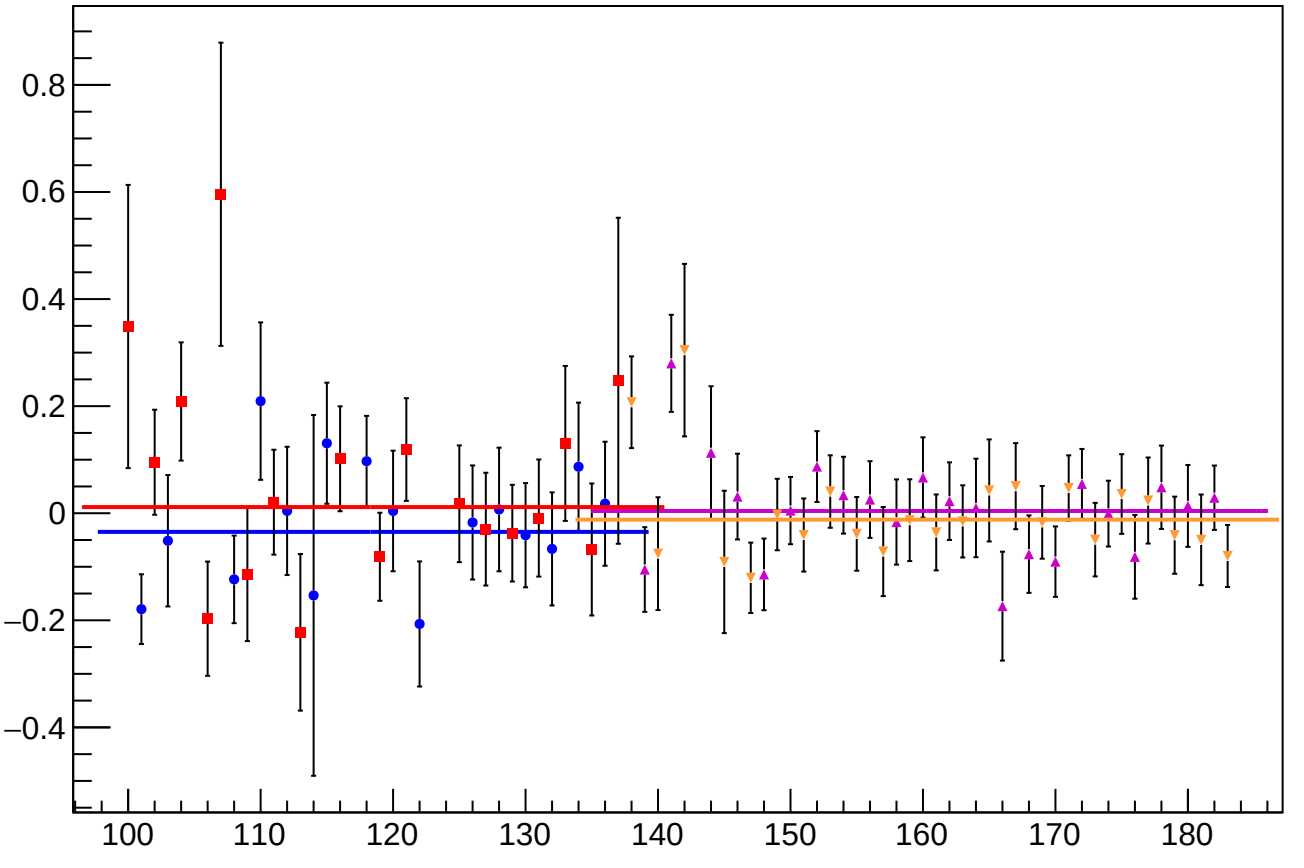
Left: 42.250+/-0.005 χ^2/NDF: 3077599.3/44

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

In: 42.716+/-0.007 χ^2/NDF:2854567.6/37

Out: 43.432+/-0.007 χ^2/NDF:2856156.8/40

All: 43.070+/-0.005 χ^2/NDF: 5716611.5/78



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

Left Out: -0.012+/-0.016 χ^2/NDF:20.0/22

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

Left In: 0.004+/-0.016 χ^2/NDF:26.5/21

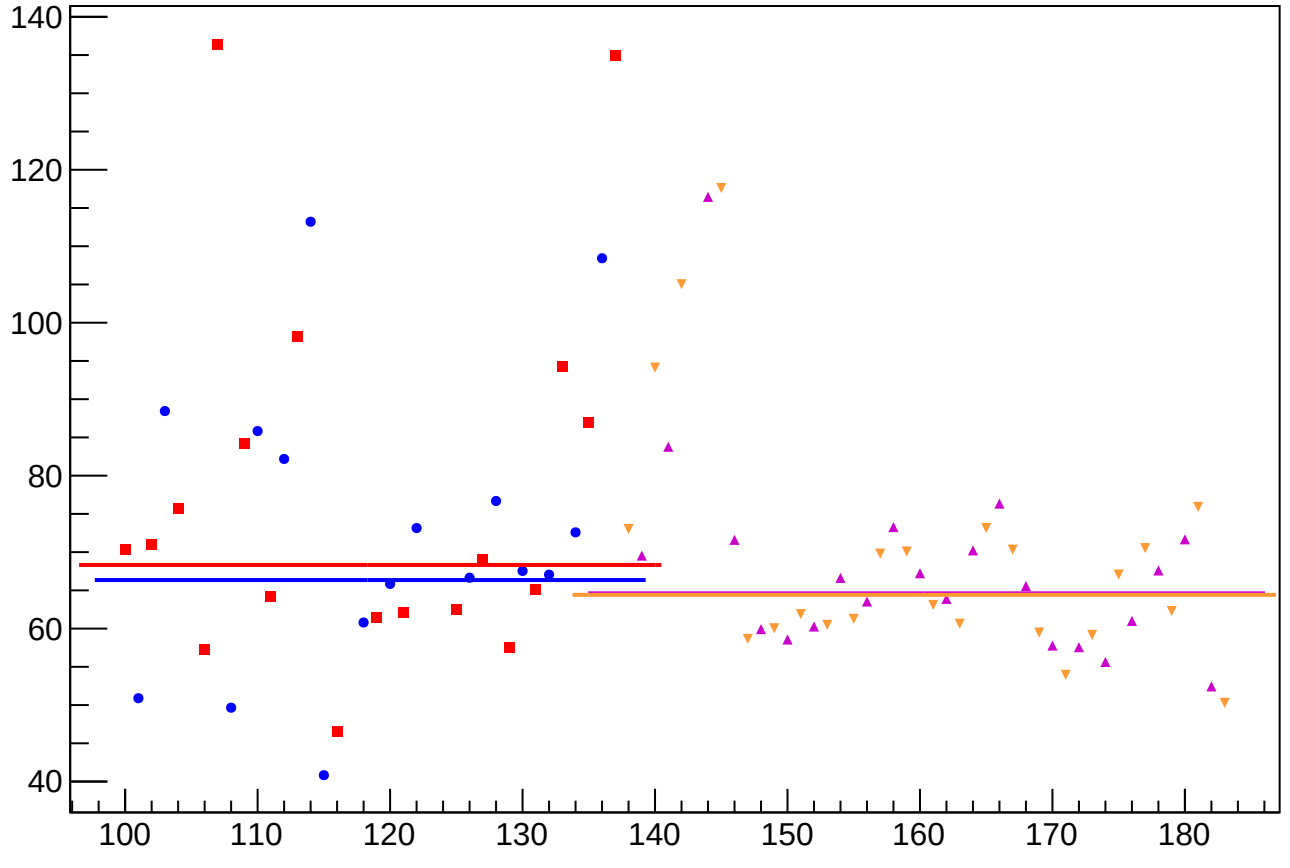
Left: -0.004+/-0.011 χ^2/NDF: 47.0/44

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

In: -0.006+/-0.014 χ^2/NDF:45.6/37

Out: -0.006+/-0.014 χ^2/NDF:43.3/40

All: -0.006+/-0.010 χ^2/NDF: 88.9/78



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

Left Out: 64.412+/-0.011 χ^2/NDF:970863.0/22

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

Left In: 64.612+/-0.011 χ^2/NDF:753708.7/21

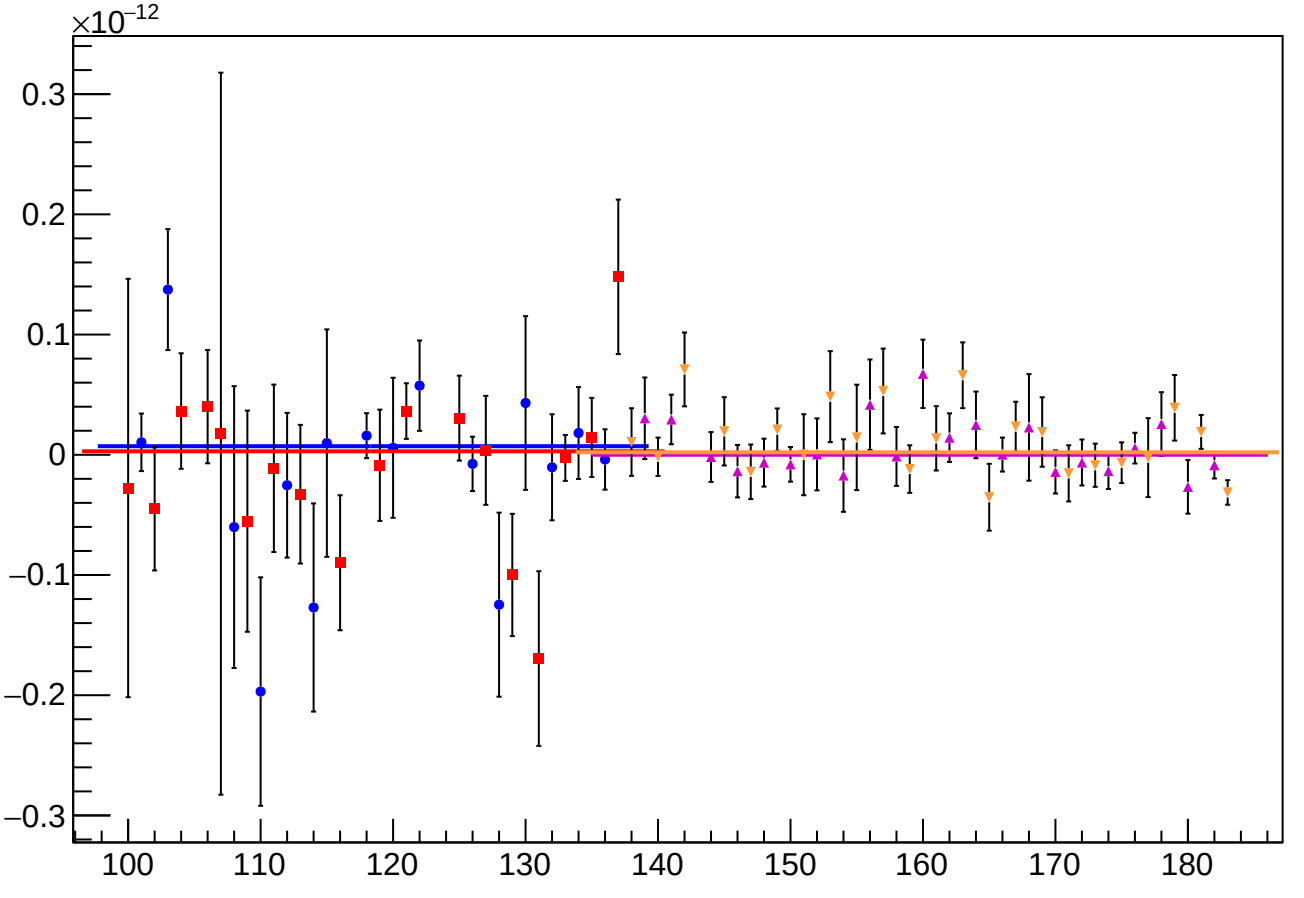
Left: 64.512+/-0.008 χ^2/NDF: 1724734.3/44

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

In: 65.071+/-0.010 χ^2/NDF:1532790.1/37

Out: 65.401+/-0.010 χ^2/NDF:1632082.6/40

All: 65.235+/-0.007 χ^2/NDF: 3165467.7/78



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.5/22

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

Left In: 0.000+/-0.000 χ^2/NDF:17.1/21

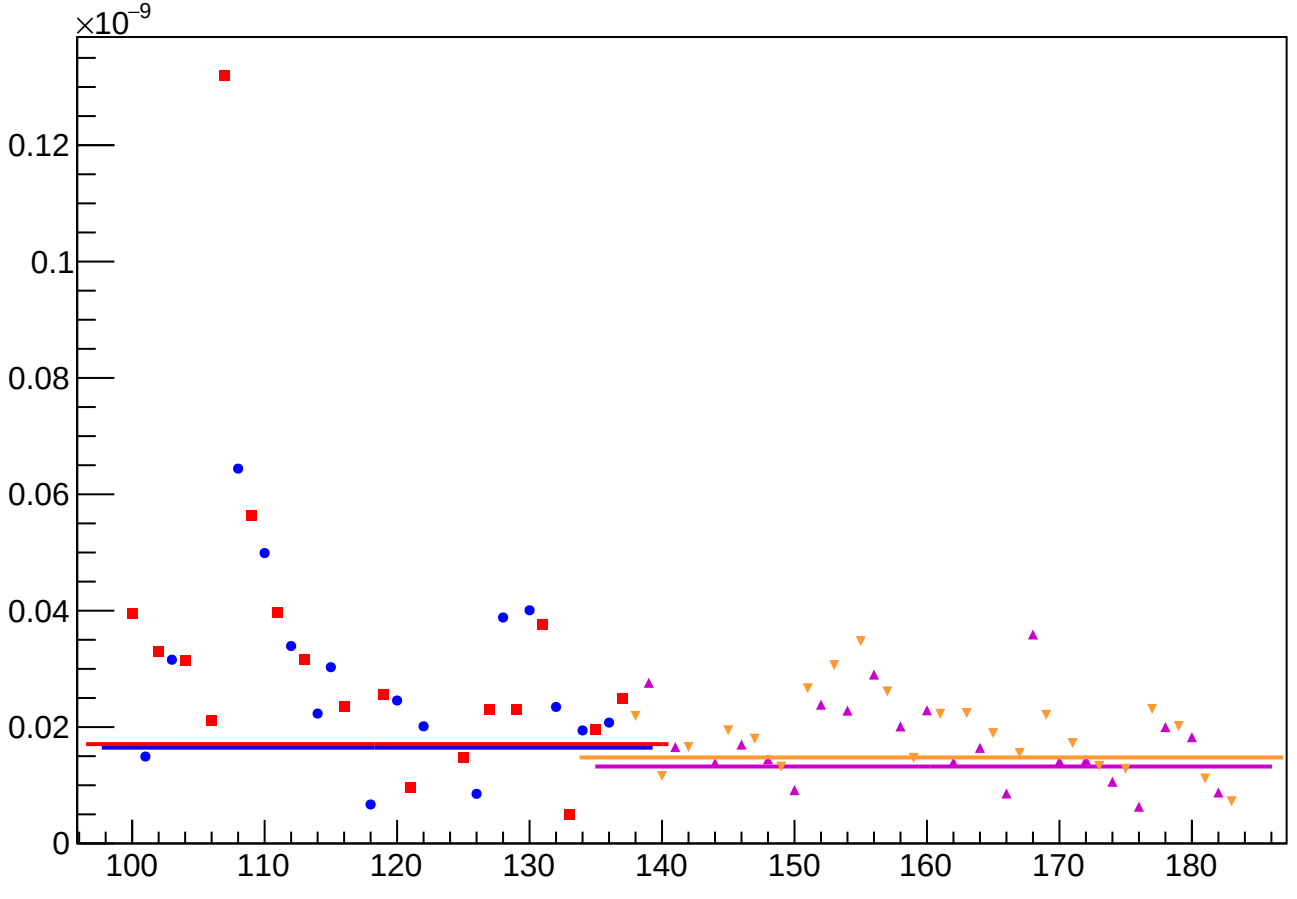
Left: 0.000+/-0.000 χ^2/NDF: 52.7/44

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:58.9/40

All: 0.000+/-0.000 χ^2/NDF: 96.9/78



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3527510.6/22

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: 7482344.2/44

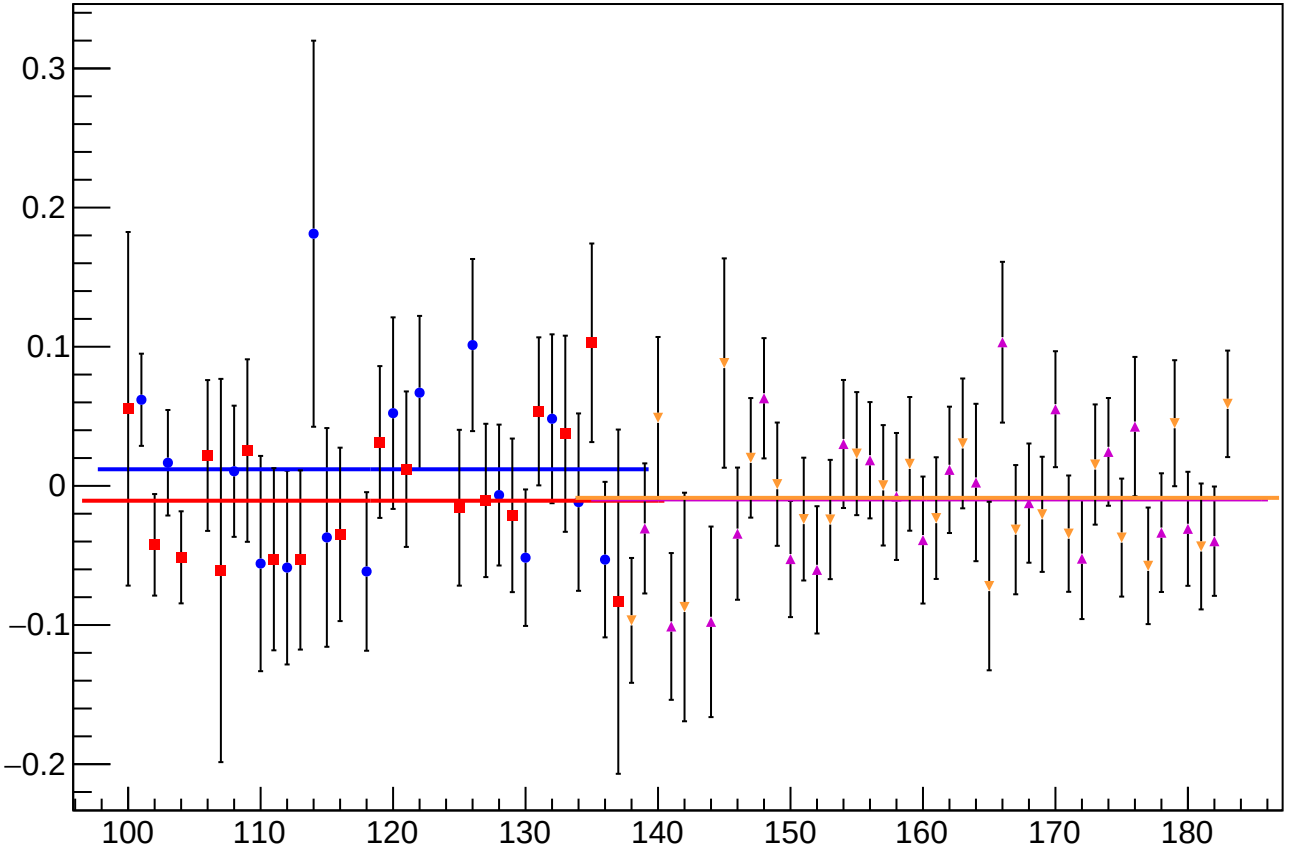
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:6374607.3/37

Out: 0.000+/-0.000 χ^2/NDF:6409036.5/40

All: 0.000+/-0.000 χ^2/NDF: 12911865.8/78

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.009+/-0.010 χ^2/NDF:18.8/22

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

Left In: -0.010+/-0.010 χ^2/NDF:22.3/21

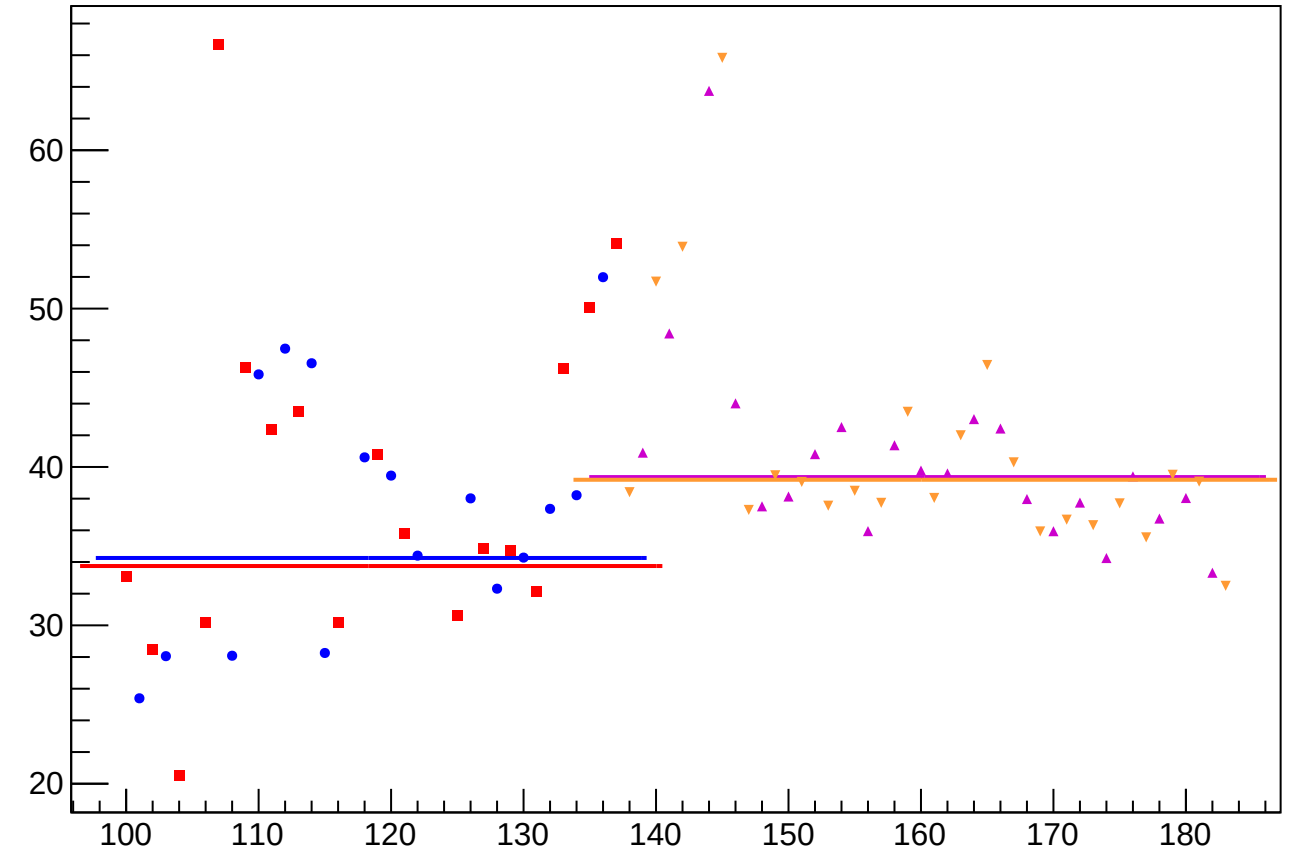
Left: -0.009+/-0.007 χ^2/NDF: 41.2/44

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.002+/-0.008 χ^2/NDF:38.7/37

Out: -0.009+/-0.008 χ^2/NDF:28.8/40

All: -0.006+/-0.006 χ^2/NDF: 67.9/78



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.192+/-0.007 χ^2/NDF:579797.0/22

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: 39.276+/-0.005 χ^2/NDF: 1072633.5/44

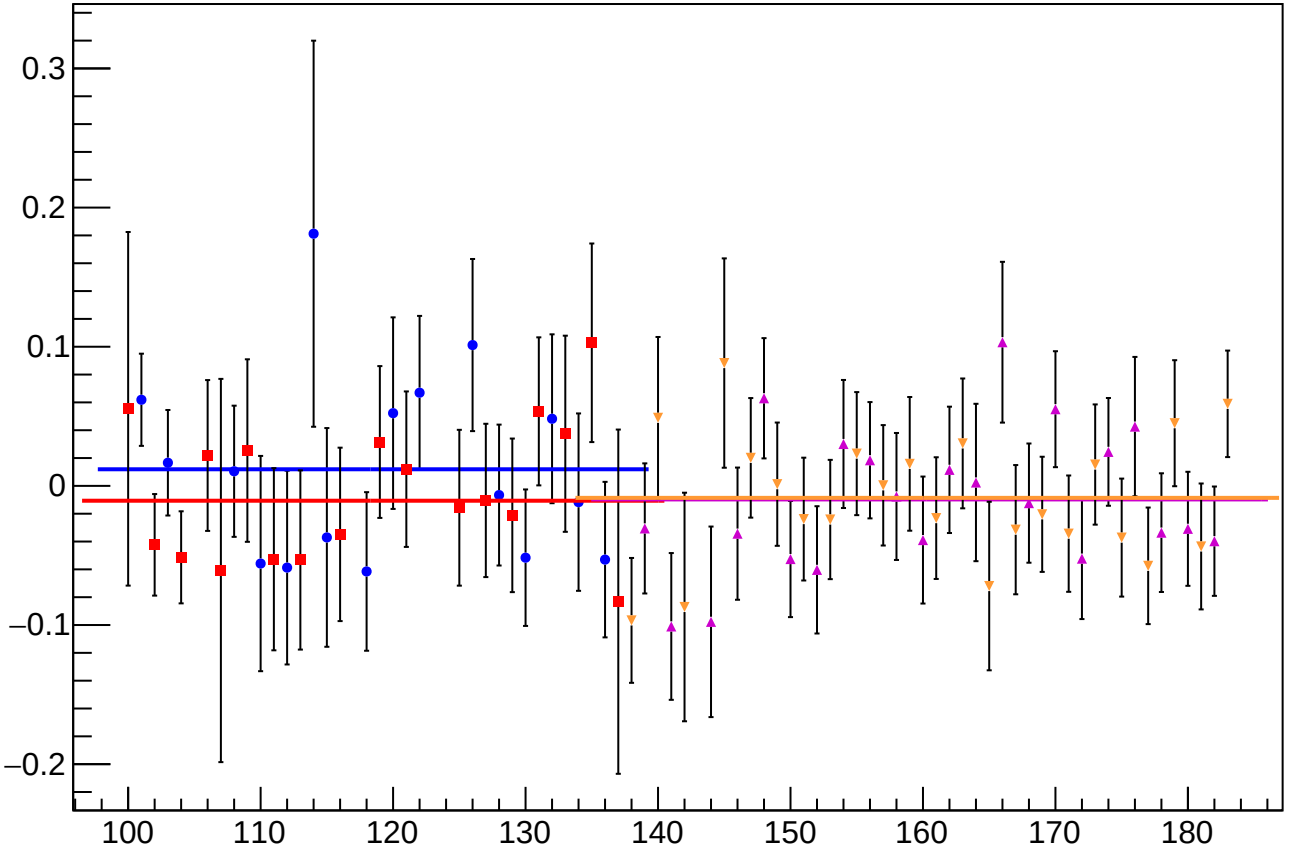
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.647+/-0.006 χ^2/NDF:1315562.4/37

Out: 37.358+/-0.006 χ^2/NDF:1709485.4/40

All: 37.501+/-0.004 χ^2/NDF: 3026401.4/78

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.009+/-0.010 χ^2/NDF:18.8/22

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

Left In: -0.010+/-0.010 χ^2/NDF:22.3/21

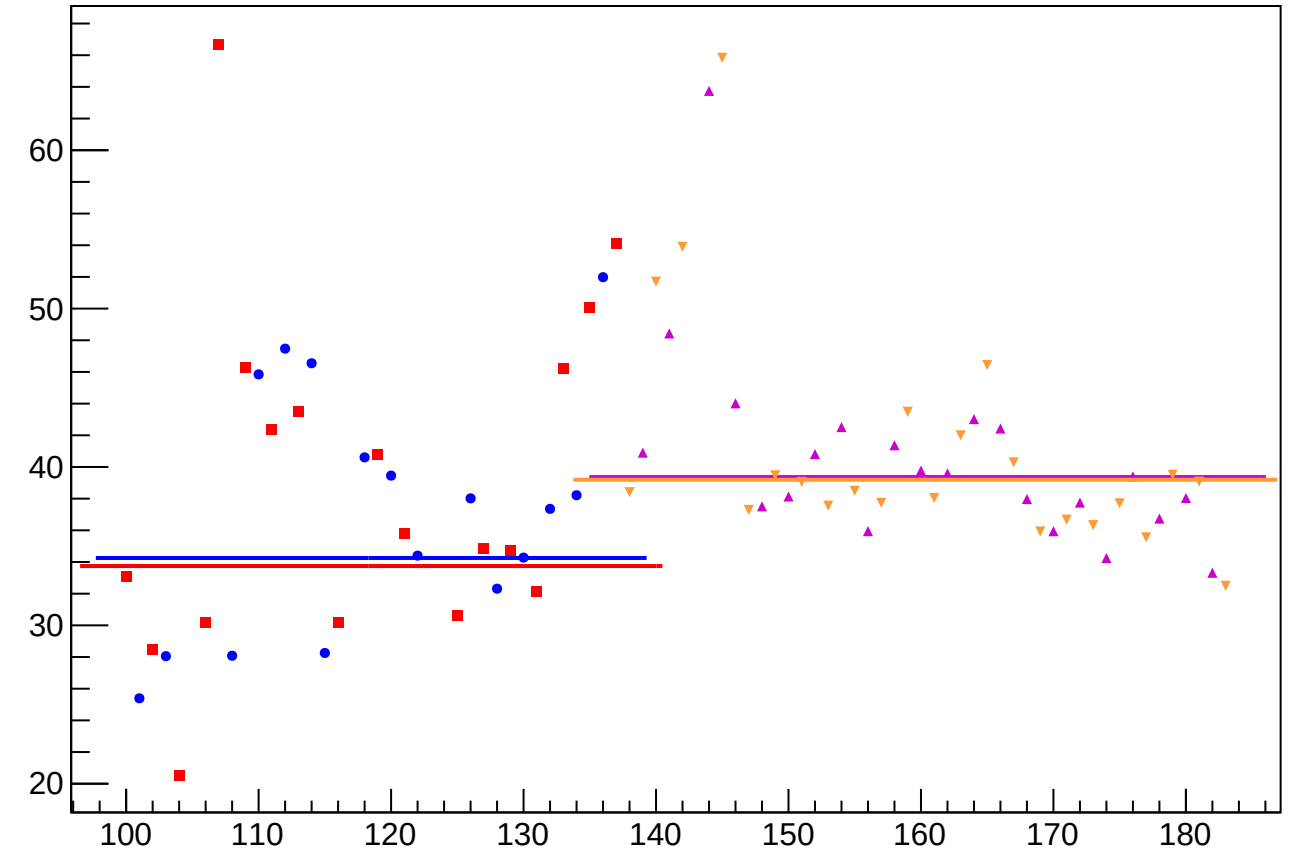
Left: -0.009+/-0.007 χ^2/NDF: 41.2/44

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.002+/-0.008 χ^2/NDF:38.7/37

Out: -0.009+/-0.008 χ^2/NDF:28.8/40

All: -0.006+/-0.006 χ^2/NDF: 67.9/78



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.192+/-0.007 χ^2/NDF:579797.0/22

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: 39.276+/-0.005 χ^2/NDF: 1072633.5/44

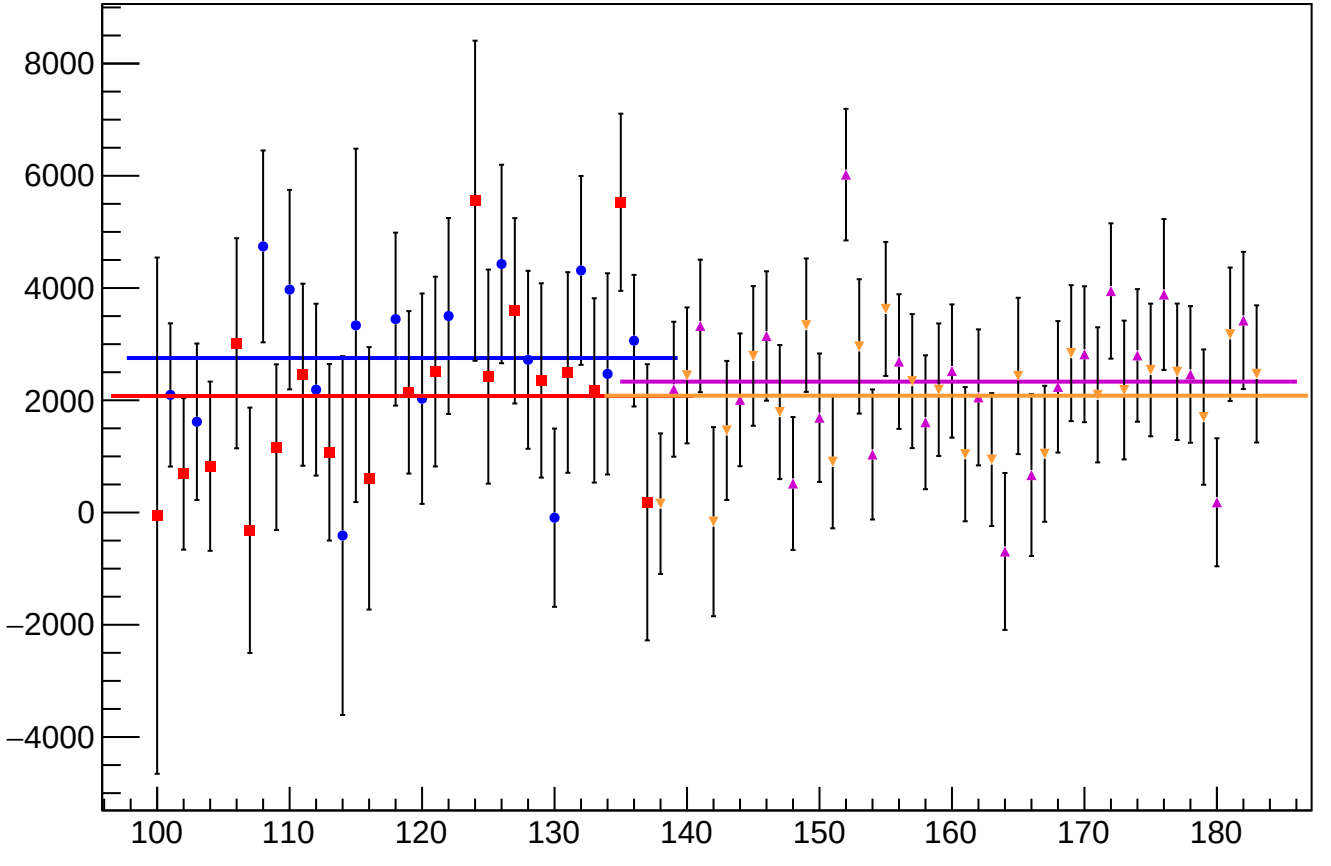
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.647+/-0.006 χ^2/NDF:1315562.4/37

Out: 37.358+/-0.006 χ^2/NDF:1709485.4/40

All: 37.501+/-0.004 χ^2/NDF: 3026401.4/78

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2081.988+/-250.005 χ^2/NDF:13.4/23

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: 2203.412+/-179.348 χ^2/NDF: 43.4/45

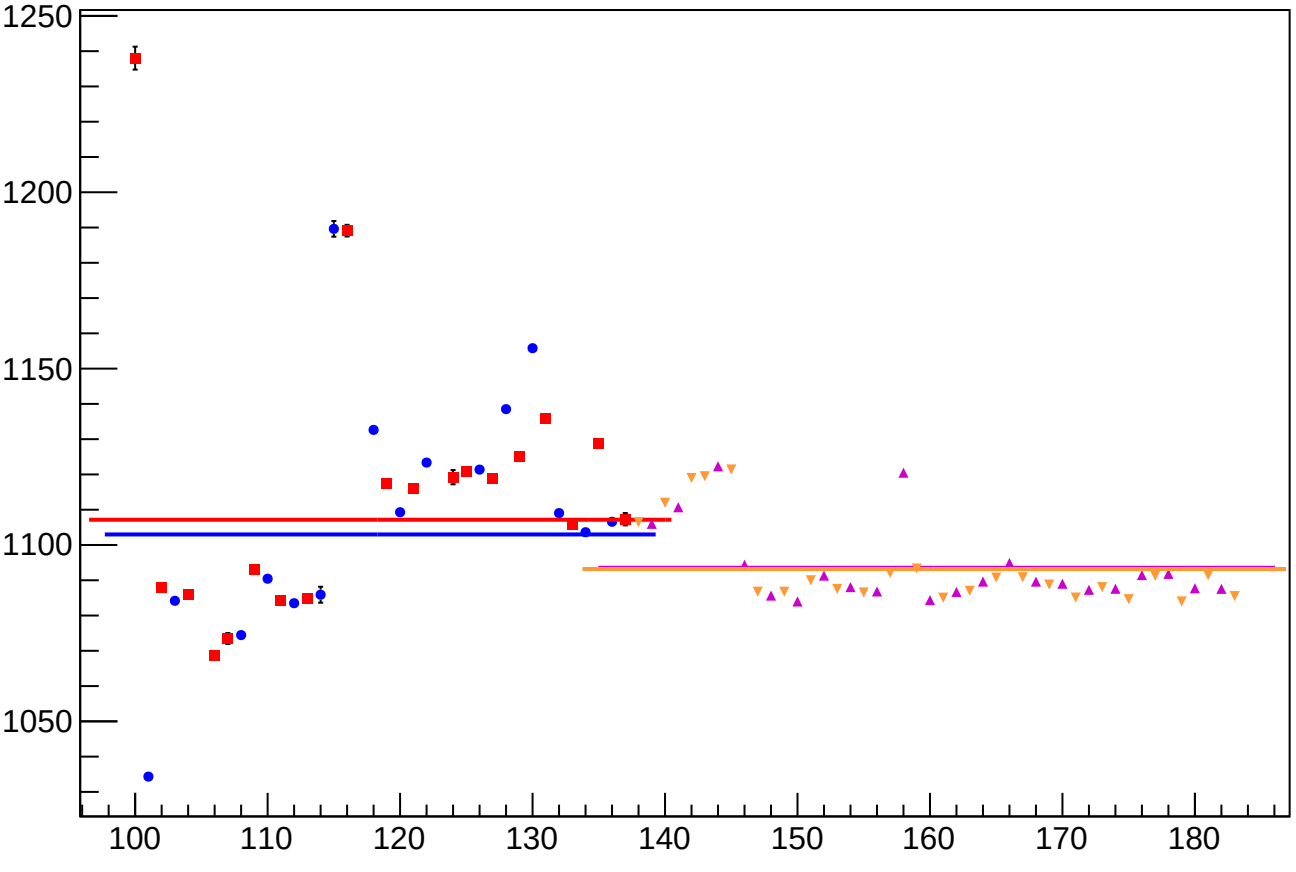
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2451.254+/-217.993 χ^2/NDF:39.7/37

Out: 2080.460+/-212.562 χ^2/NDF:26.0/42

All: 2261.180+/-152.188 χ^2/NDF: 67.2/80

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1093.190+/-0.177 χ^2/NDF:3965.0/23

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

Left In: 1093.544+/-0.182 χ^2/NDF:3648.9/21

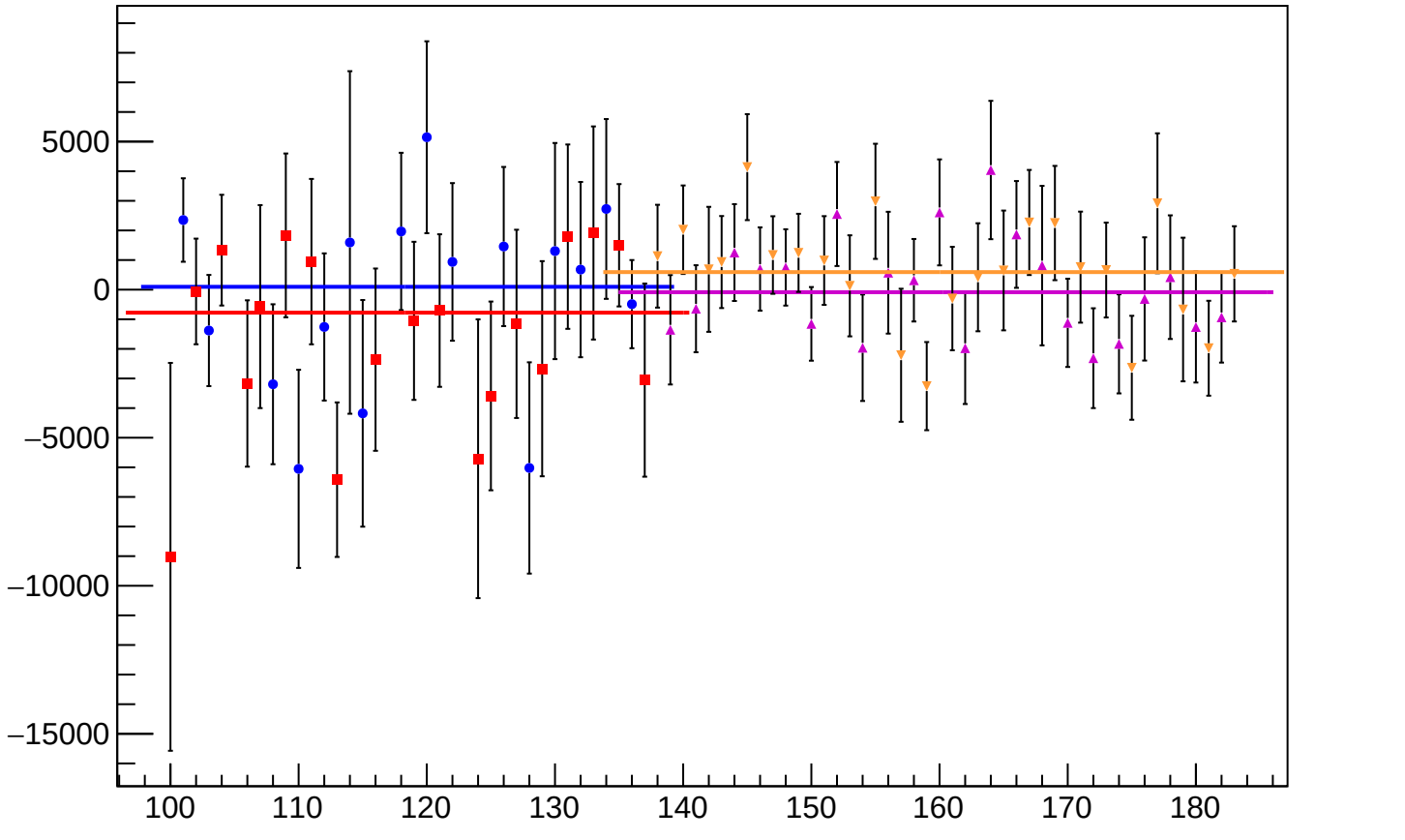
Left: 1093.362+/-0.127 χ^2/NDF: 7615.8/45

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

In: 1096.216+/-0.154 χ^2/NDF:17634.1/37

Out: 1097.061+/-0.150 χ^2/NDF:14378.8/42

All: 1096.649+/-0.108 χ^2/NDF: 32028.3/80



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 592.668+/-349.782 χ^2/NDF:24.4/23

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: 260.751+/-250.016 χ^2/NDF: 44.3/45

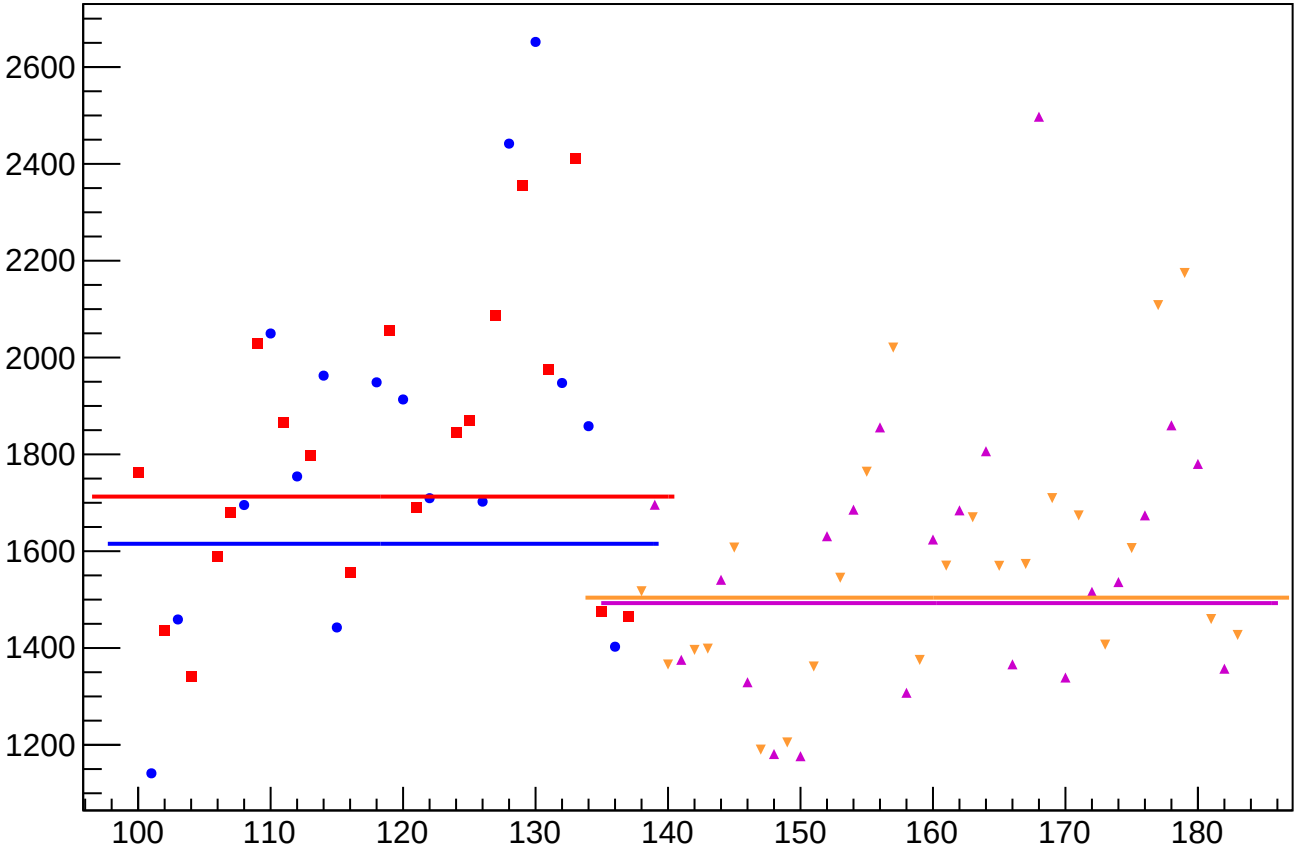
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: -40.365+/-309.463 χ^2/NDF:35.0/37

Out: 275.335+/-306.596 χ^2/NDF:43.1/42

All: 118.954+/-217.803 χ^2/NDF: 78.6/80

asym_usr_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1504.049+/-0.247 χ^2/NDF:799251.0/23

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: 1498.538+/-0.177 χ^2/NDF: 1763687.7/45

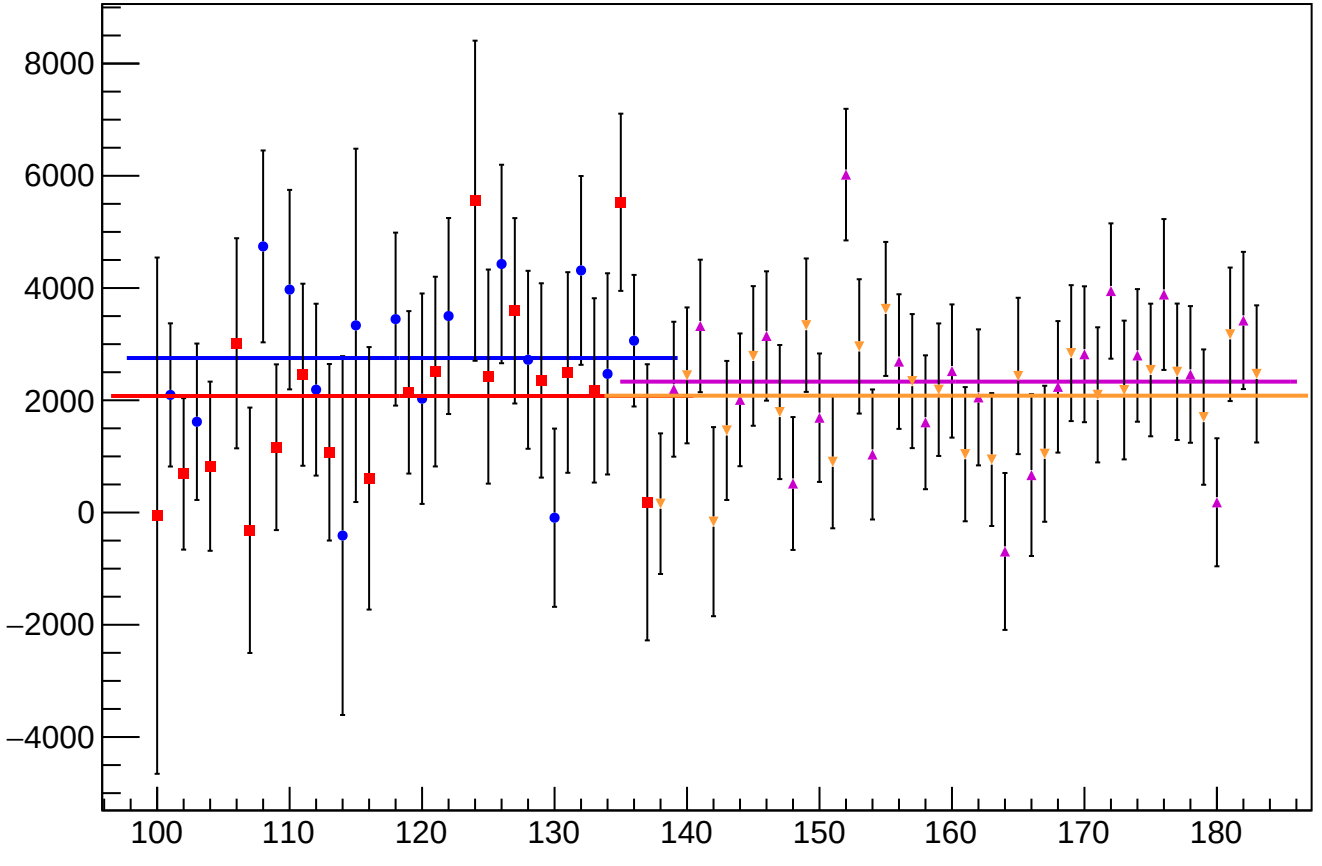
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1523.497+/-0.219 χ^2/NDF:1715950.4/37

Out: 1552.413+/-0.217 χ^2/NDF:1392354.2/42

All: 1538.090+/-0.154 χ^2/NDF: 3117116.9/80

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2081.988+/-250.005 χ^2/NDF:13.4/23

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: 2203.412+/-179.348 χ^2/NDF: 43.4/45

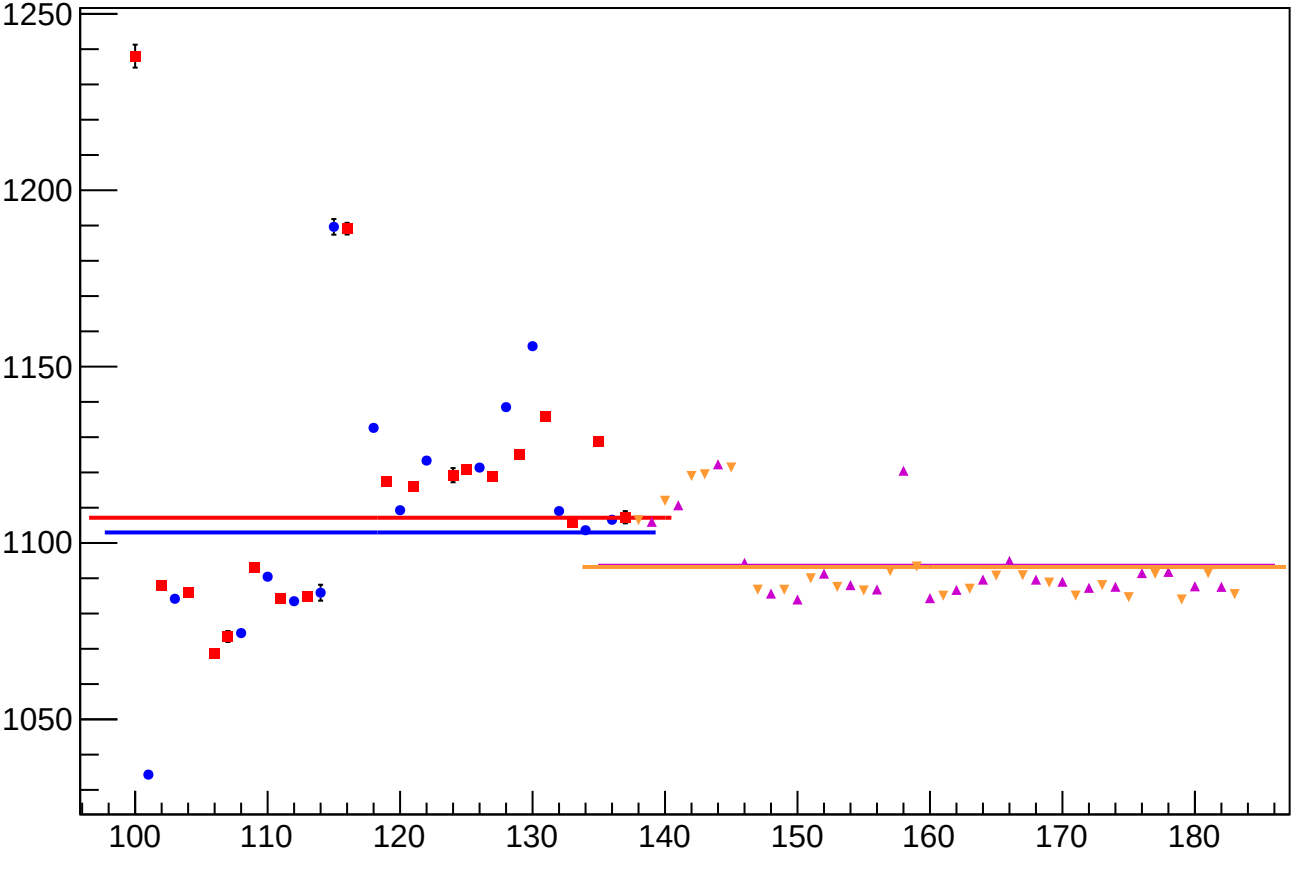
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2451.254+/-217.993 χ^2/NDF:39.7/37

Out: 2080.460+/-212.562 χ^2/NDF:26.0/42

All: 2261.180+/-152.188 χ^2/NDF: 67.2/80

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1093.190+/-0.177 χ^2/NDF:3965.0/23

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

Left In: 1093.544+/-0.182 χ^2/NDF:3648.9/21

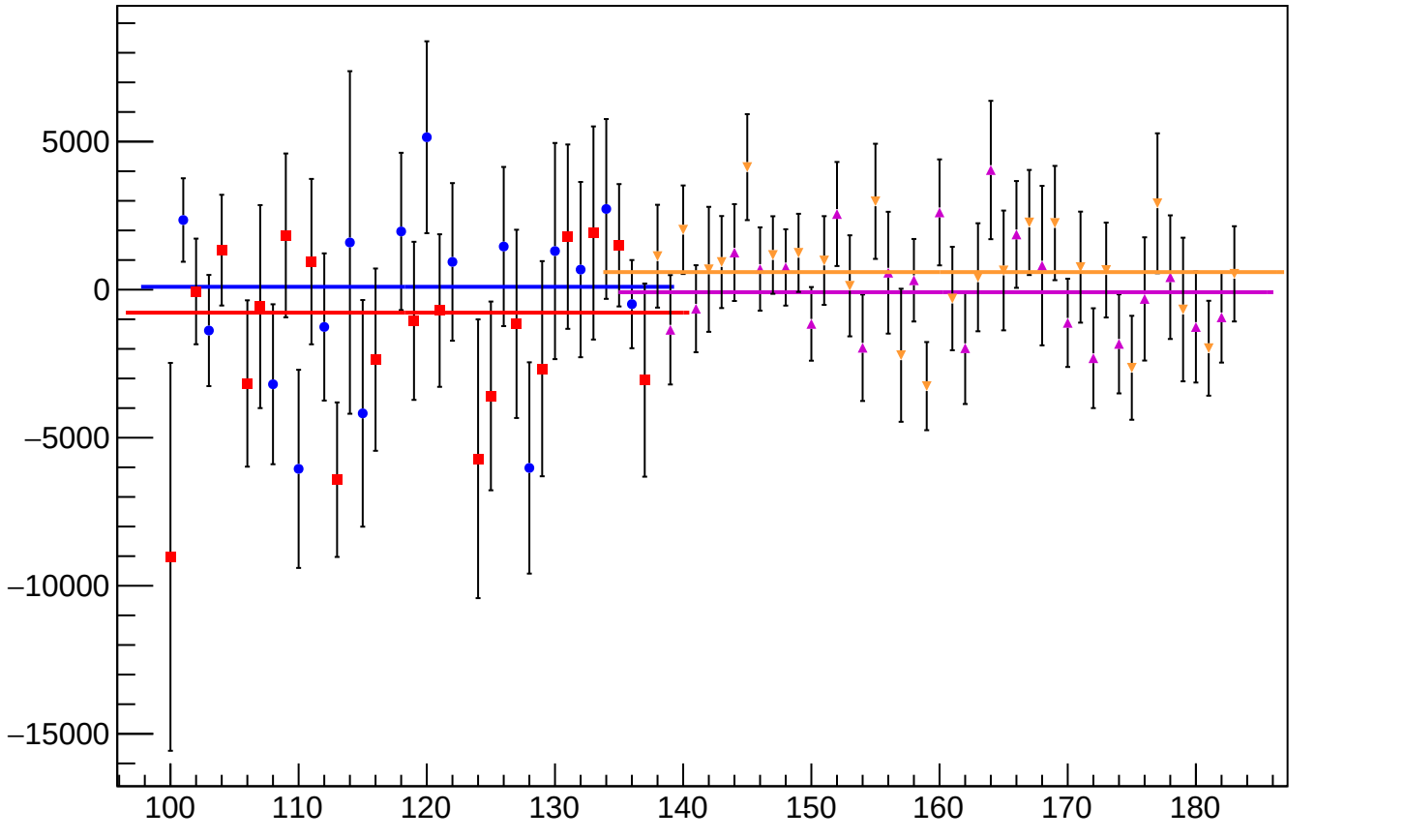
Left: 1093.362+/-0.127 χ^2/NDF: 7615.8/45

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

In: 1096.216+/-0.154 χ^2/NDF:17634.1/37

Out: 1097.061+/-0.150 χ^2/NDF:14378.8/42

All: 1096.649+/-0.108 χ^2/NDF: 32028.3/80



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 592.668+/-349.782 χ^2/NDF:24.4/23

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

Left In: -85.968+/-357.497 χ^2/NDF:18.1/21

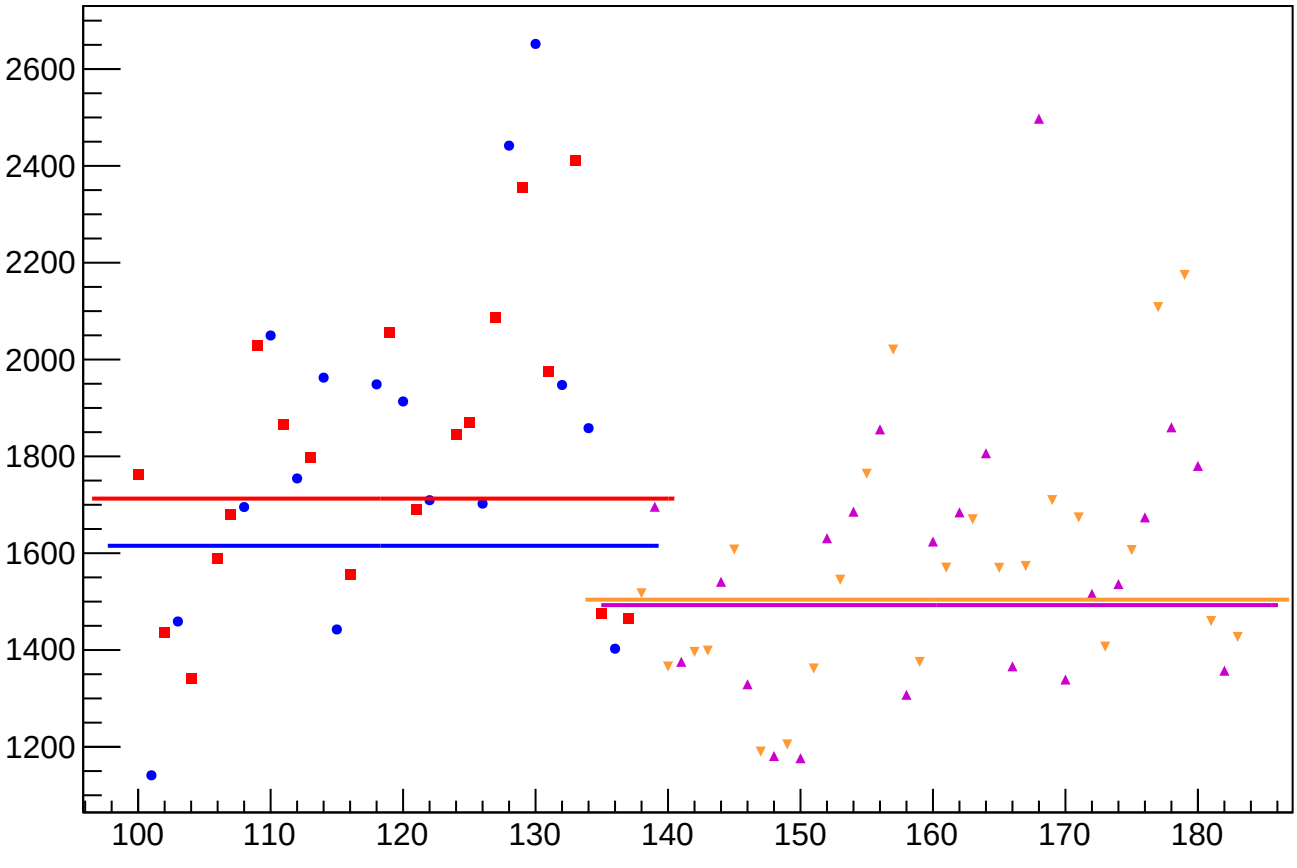
Left: 260.751+/-250.016 χ^2/NDF: 44.3/45

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

In: -40.365+/-309.463 χ^2/NDF:35.0/37

Out: 275.335+/-306.596 χ^2/NDF:43.1/42

All: 118.954+/-217.803 χ^2/NDF: 78.6/80



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

Left Out: 1504.049+/-0.247 χ^2/NDF:799251.0/23

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

Left In: 1492.781+/-0.253 χ^2/NDF:963421.6/21

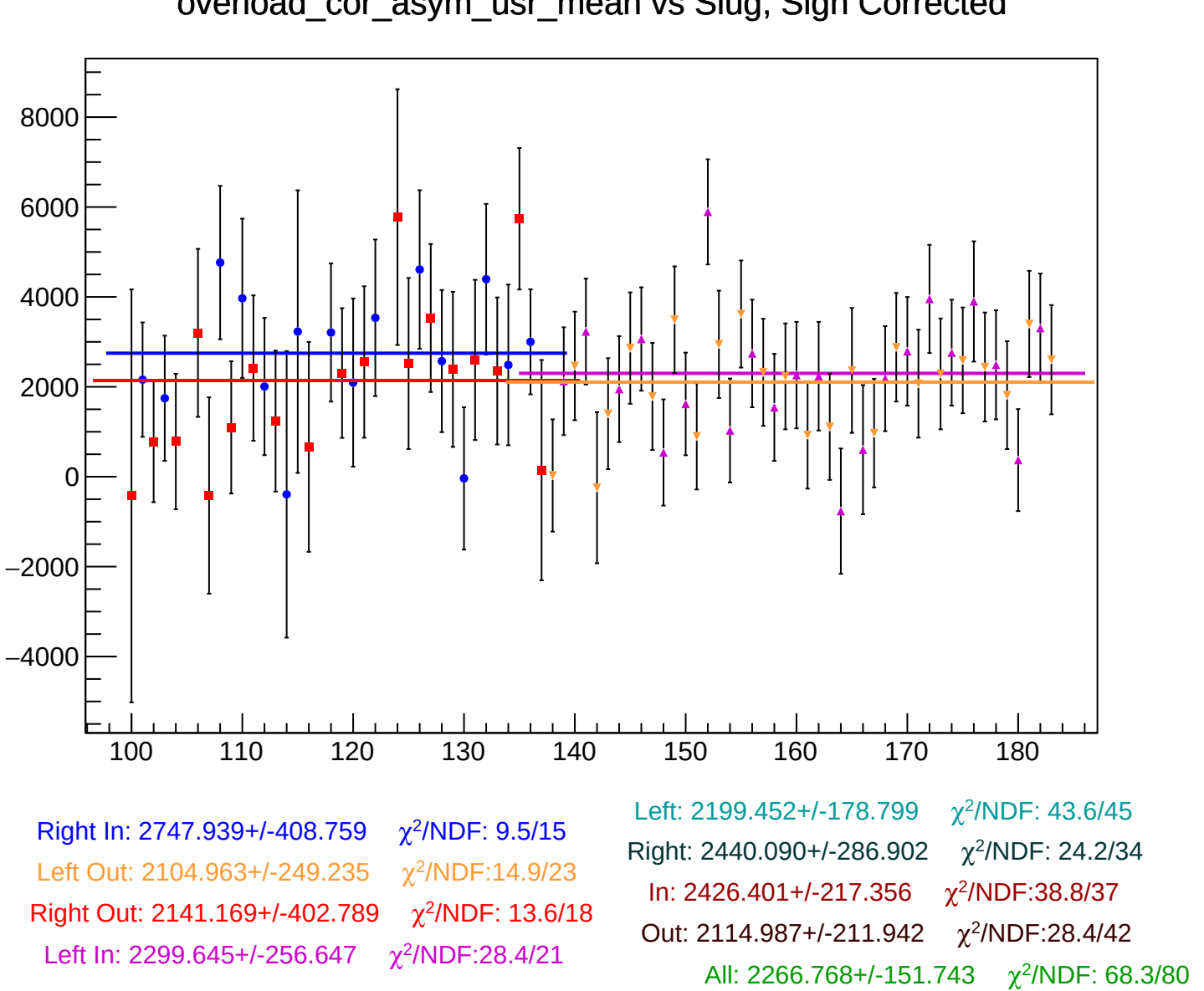
Left: 1498.538+/-0.177 χ^2/NDF: 1763687.7/45

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

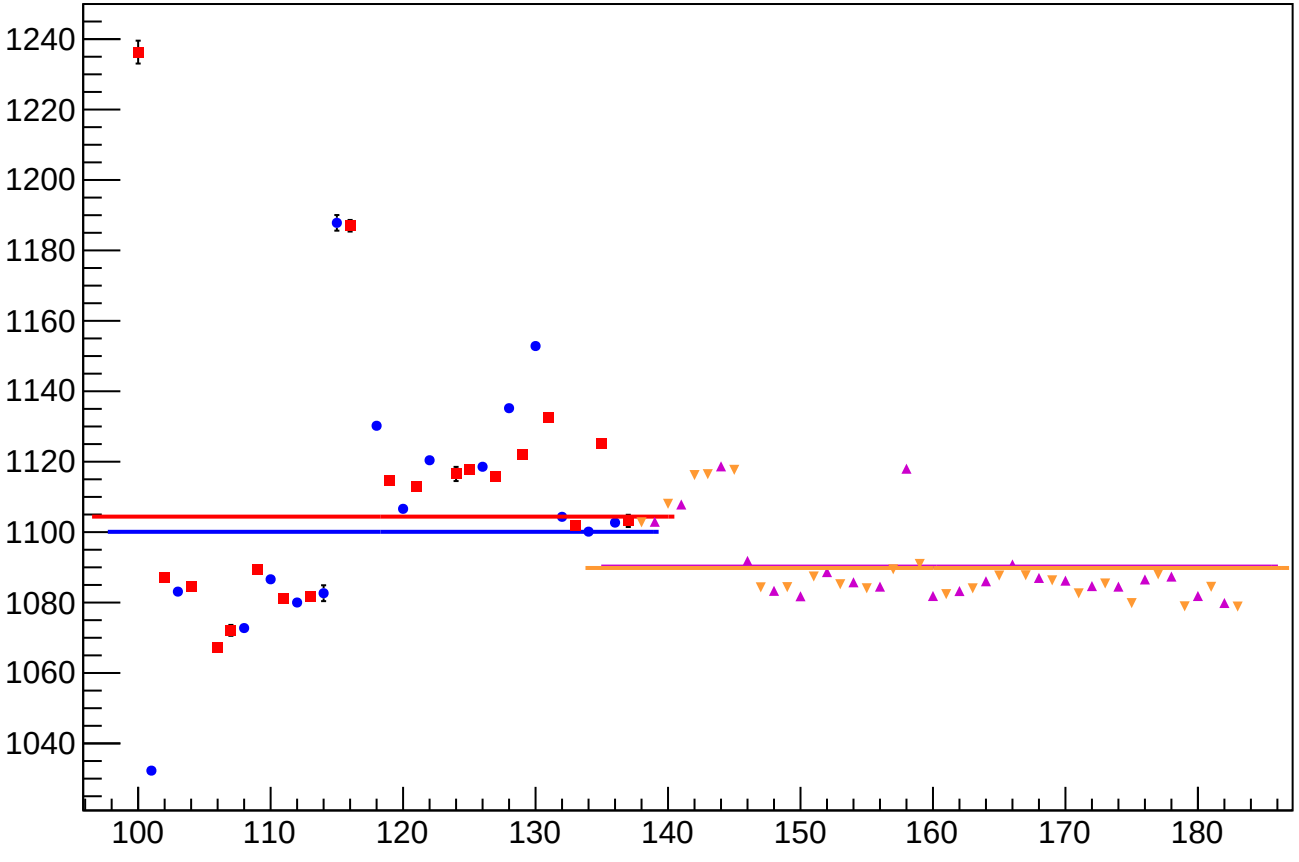
In: 1523.497+/-0.219 χ^2/NDF:1715950.4/37

Out: 1552.413+/-0.217 χ^2/NDF:1392354.2/42

All: 1538.090+/-0.154 χ^2/NDF: 3117116.9/80


overload_cor_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: 2747.939+/-408.759 χ²/NDF: 9.5/15
Left Out: 2104.963+/-249.235 χ²/NDF:14.9/23
Right Out: 2141.169+/-402.789 χ²/NDF: 13.6/18
Left In: 2299.645+/-256.647 χ²/NDF:28.4/21
Left: 2199.452+/-178.799 χ²/NDF: 43.6/45
Right: 2440.090+/-286.902 χ²/NDF: 24.2/34
In: 2426.401+/-217.356 χ²/NDF:38.8/37
Out: 2114.987+/-211.942 χ²/NDF:28.4/42
All: 2266.768+/-151.743 χ²/NDF: 68.3/80

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1089.821+/-0.176 χ^2/NDF:4043.4/23

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

Left In: 1090.218+/-0.181 χ^2/NDF:3779.0/21

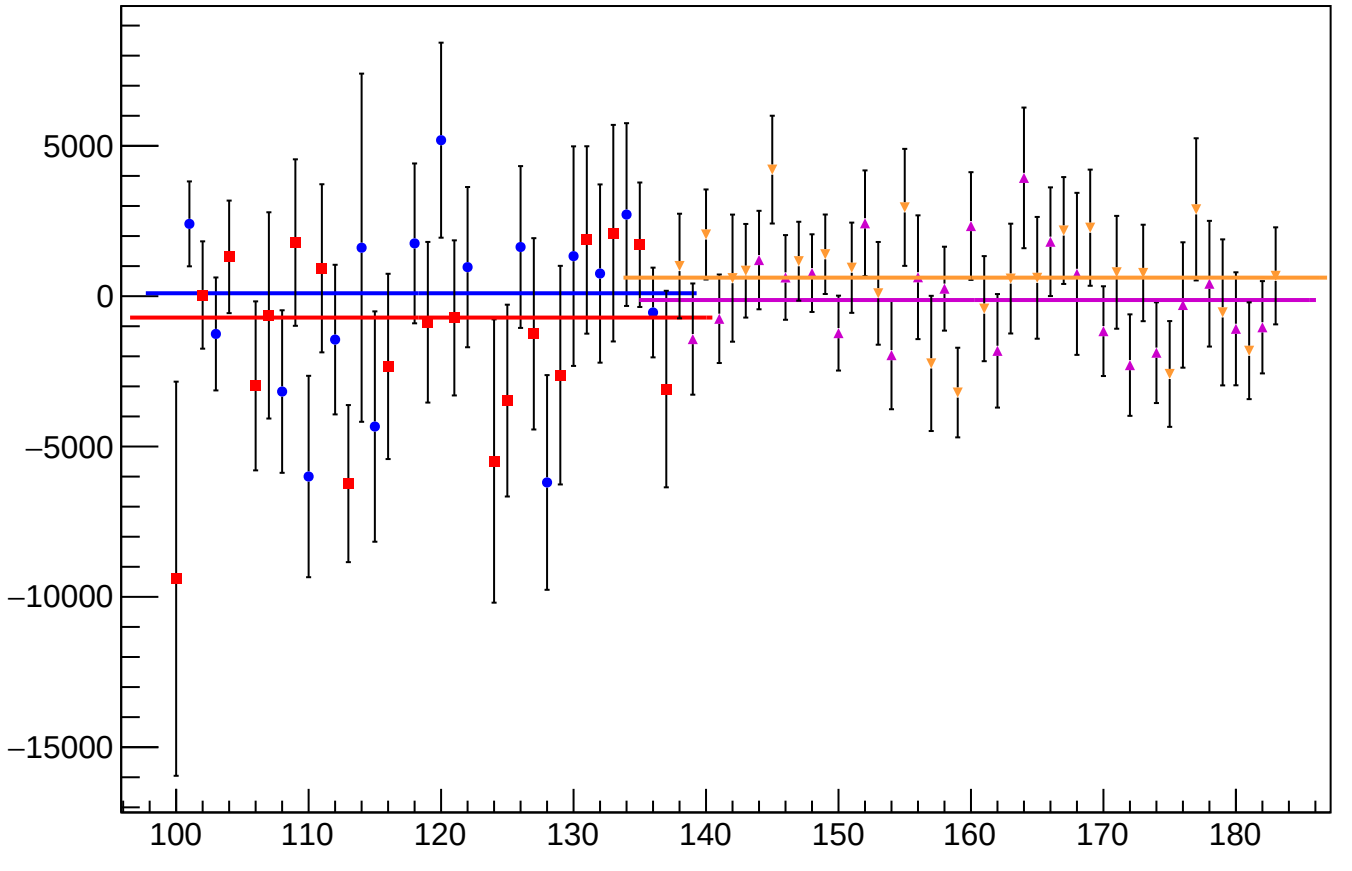
Left: 1090.014+/-0.126 χ^2/NDF: 7824.9/45

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

In: 1093.009+/-0.154 χ^2/NDF:17693.0/37

Out: 1093.858+/-0.150 χ^2/NDF:14482.4/42

All: 1093.444+/-0.107 χ^2/NDF: 32191.0/80



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 616.784+/-350.379 χ^2/NDF:23.9/23

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

Left In: -127.904+/-358.097 χ^2/NDF:17.1/21

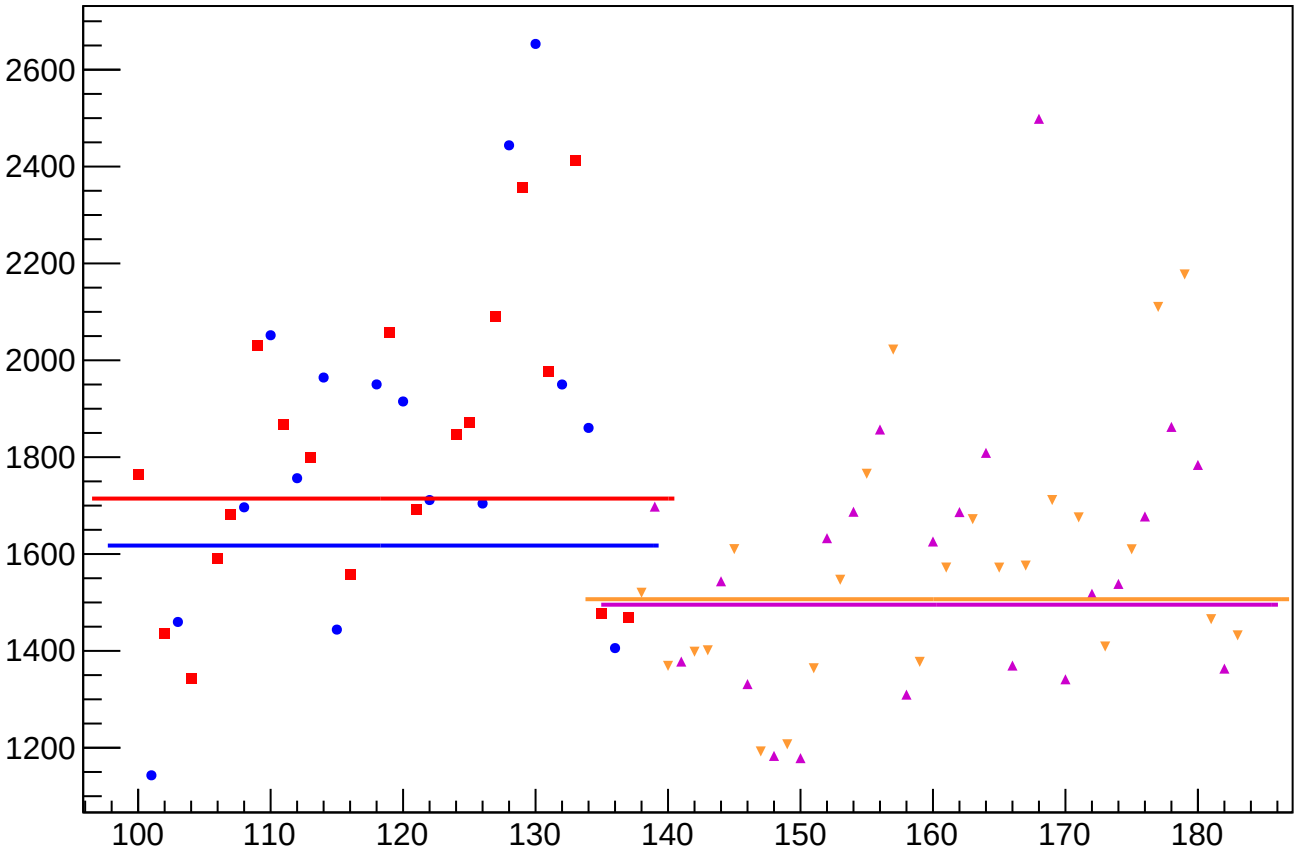
Left: 252.552+/-250.439 χ^2/NDF: 43.2/45

Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: -71.383+/-309.950 χ^2/NDF:34.4/37

Out: 308.743+/-307.067 χ^2/NDF:42.2/42

All: 120.456+/-218.141 χ^2/NDF: 77.4/80



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

Left Out: 1506.726+/-0.248 χ^2/NDF:795968.8/23

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

Left In: 1495.390+/-0.253 χ^2/NDF:959759.4/21

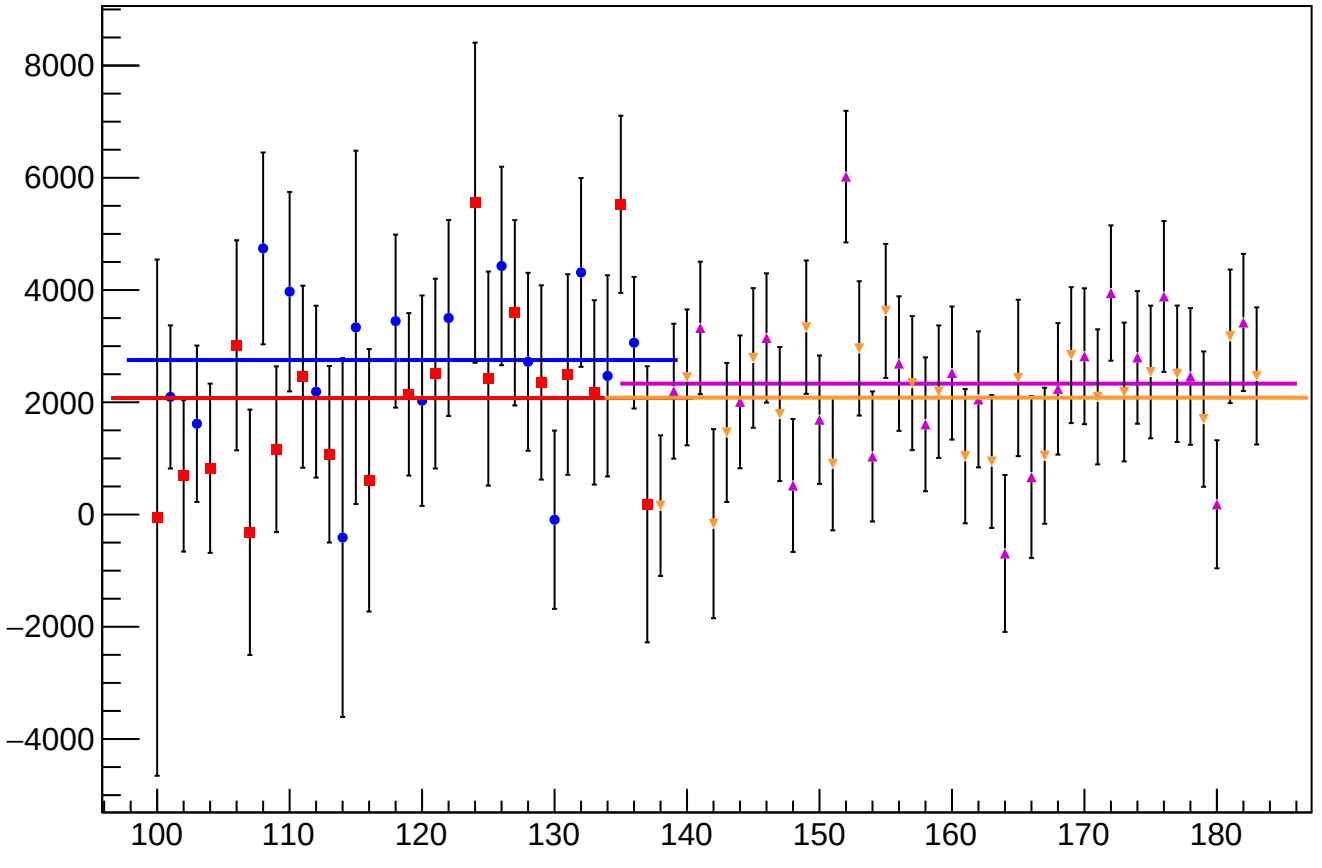
Left: 1501.182+/-0.177 χ^2/NDF: 1756752.1/45

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

In: 1526.017+/-0.219 χ^2/NDF:1709807.8/37

Out: 1554.920+/-0.217 χ^2/NDF:1386817.7/42

All: 1540.603+/-0.154 χ^2/NDF: 3105402.6/80



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

Left Out: 2081.988+/-250.005 χ^2/NDF:13.4/23

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: 2203.412+/-179.348 χ^2/NDF: 43.4/45

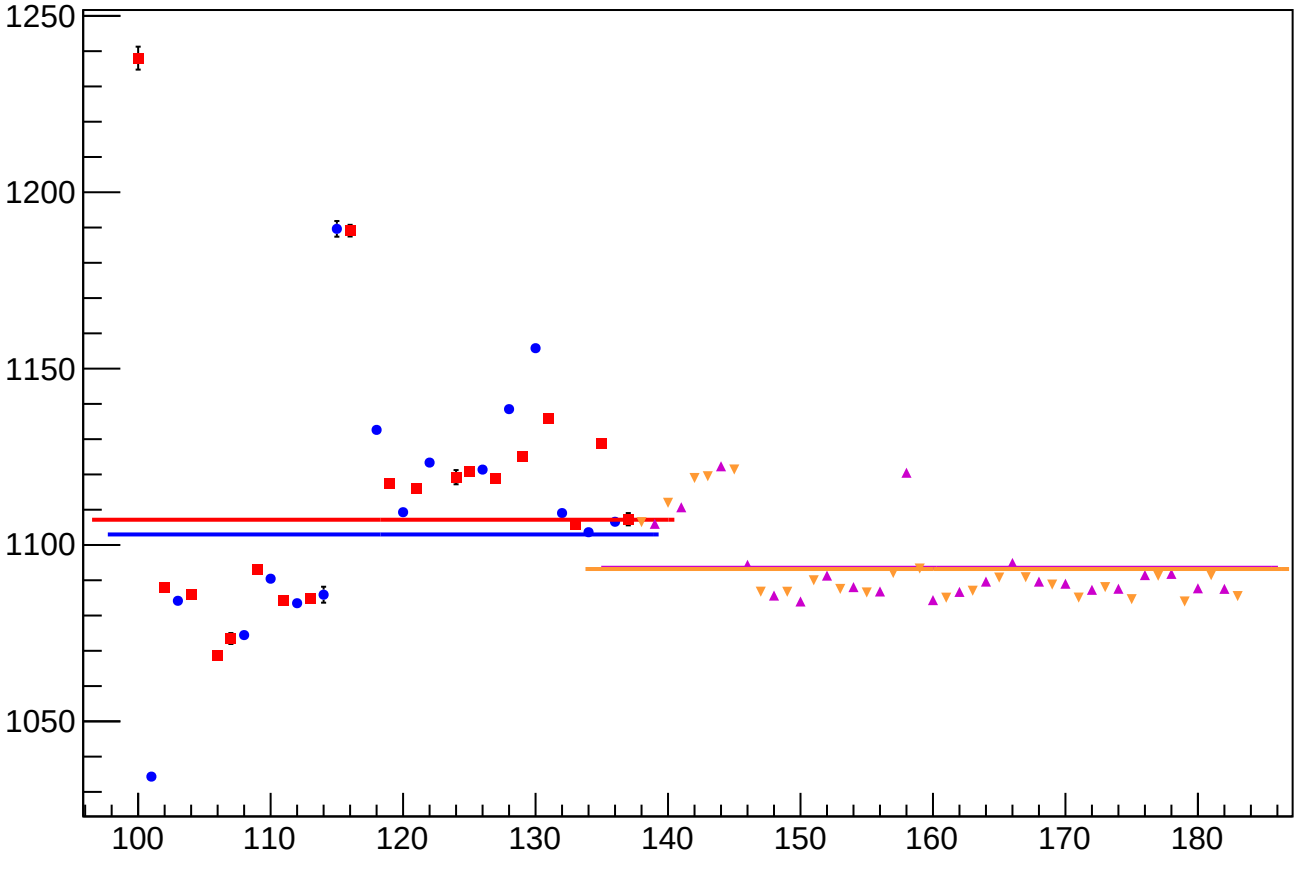
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2451.254+/-217.993 χ^2/NDF:39.7/37

Out: 2080.460+/-212.562 χ^2/NDF:26.0/42

All: 2261.180+/-152.188 χ^2/NDF: 67.2/80

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1093.190+/-0.177 χ^2/NDF:3965.0/23

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

Left In: 1093.544+/-0.182 χ^2/NDF:3648.9/21

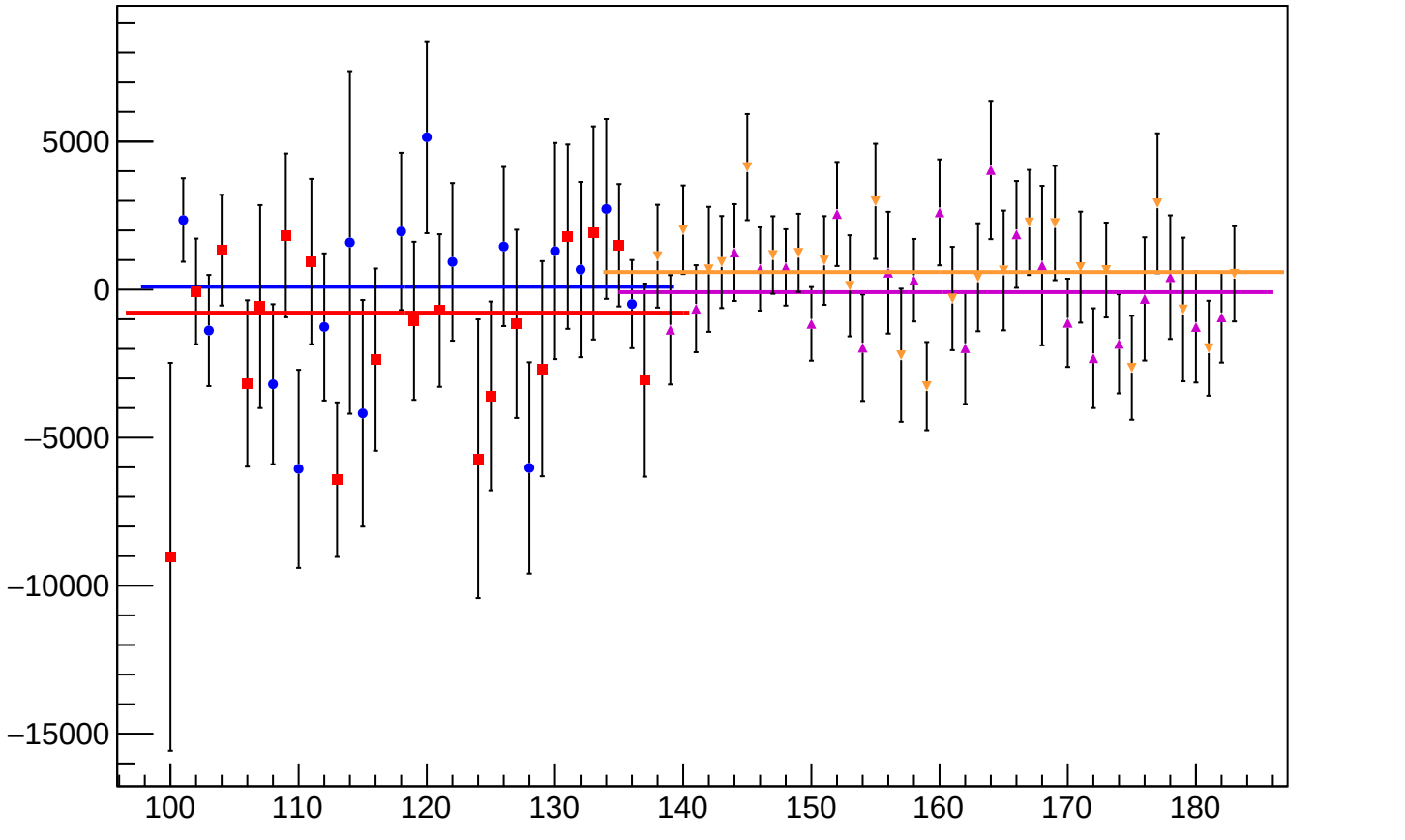
Left: 1093.362+/-0.127 χ^2/NDF: 7615.8/45

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

In: 1096.216+/-0.154 χ^2/NDF:17634.1/37

Out: 1097.061+/-0.150 χ^2/NDF:14378.8/42

All: 1096.649+/-0.108 χ^2/NDF: 32028.3/80



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 592.668+/-349.782 χ^2/NDF:24.4/23

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

Left In: -85.968+/-357.497 χ^2/NDF:18.1/21

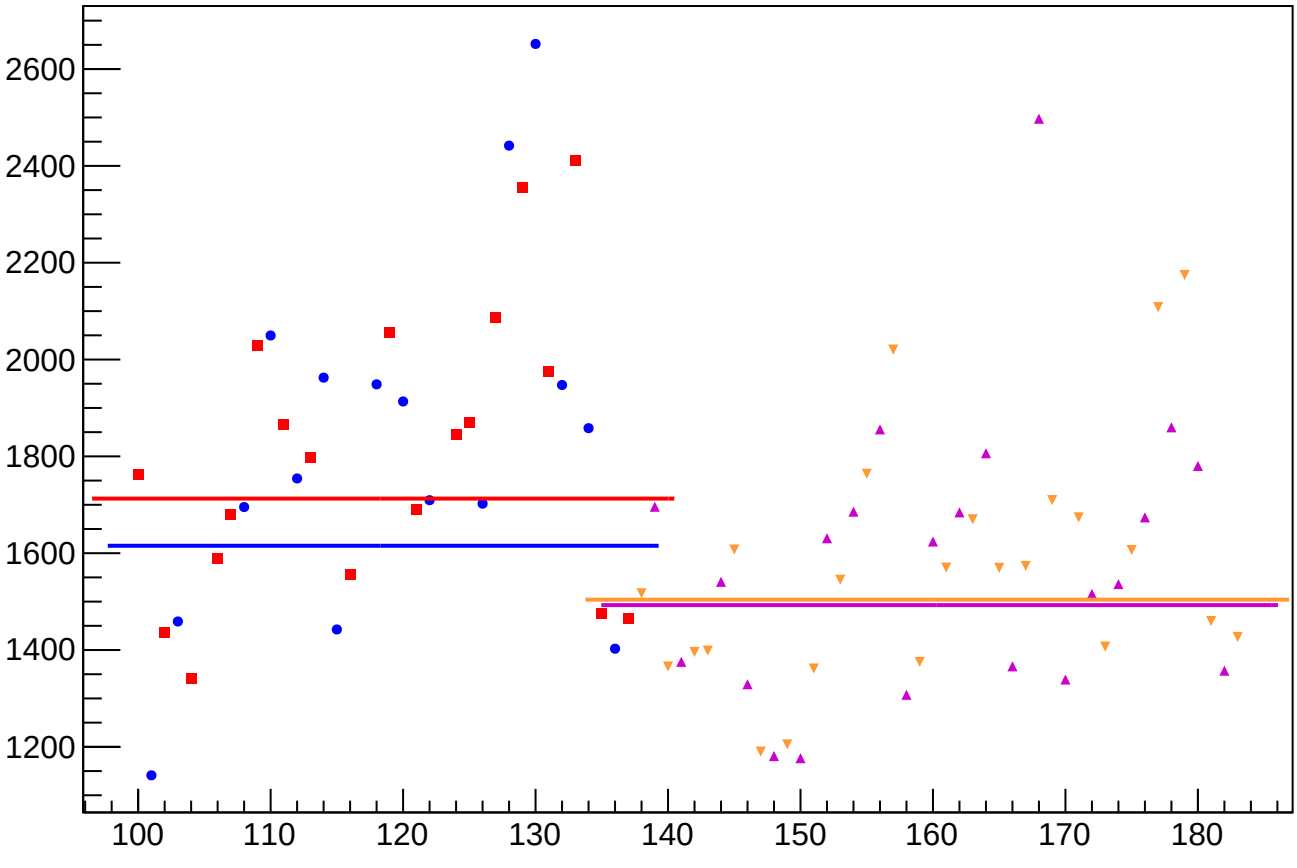
Left: 260.751+/-250.016 χ^2/NDF: 44.3/45

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

In: -40.365+/-309.463 χ^2/NDF:35.0/37

Out: 275.335+/-306.596 χ^2/NDF:43.1/42

All: 118.954+/-217.803 χ^2/NDF: 78.6/80



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

Left Out: 1504.049+/-0.247 χ^2/NDF:799251.0/23

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: 1498.538+/-0.177 χ^2/NDF: 1763687.7/45

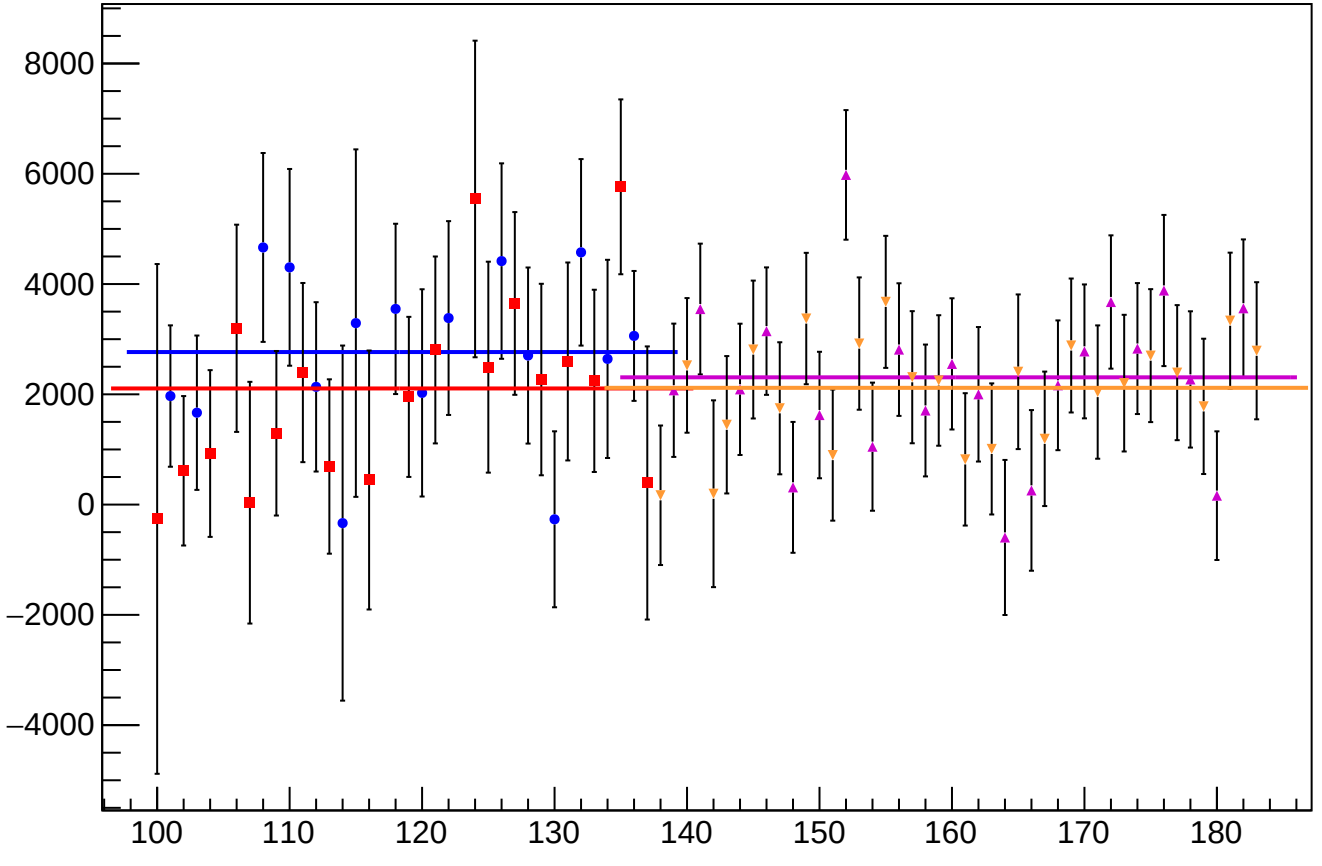
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1523.497+/-0.219 χ^2/NDF:1715950.4/37

Out: 1552.413+/-0.217 χ^2/NDF:1392354.2/42

All: 1538.090+/-0.154 χ^2/NDF: 3117116.9/80

dit_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2117.623+/-251.926 χ^2/NDF:13.5/23

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: 2210.179+/-180.649 χ^2/NDF: 43.7/45

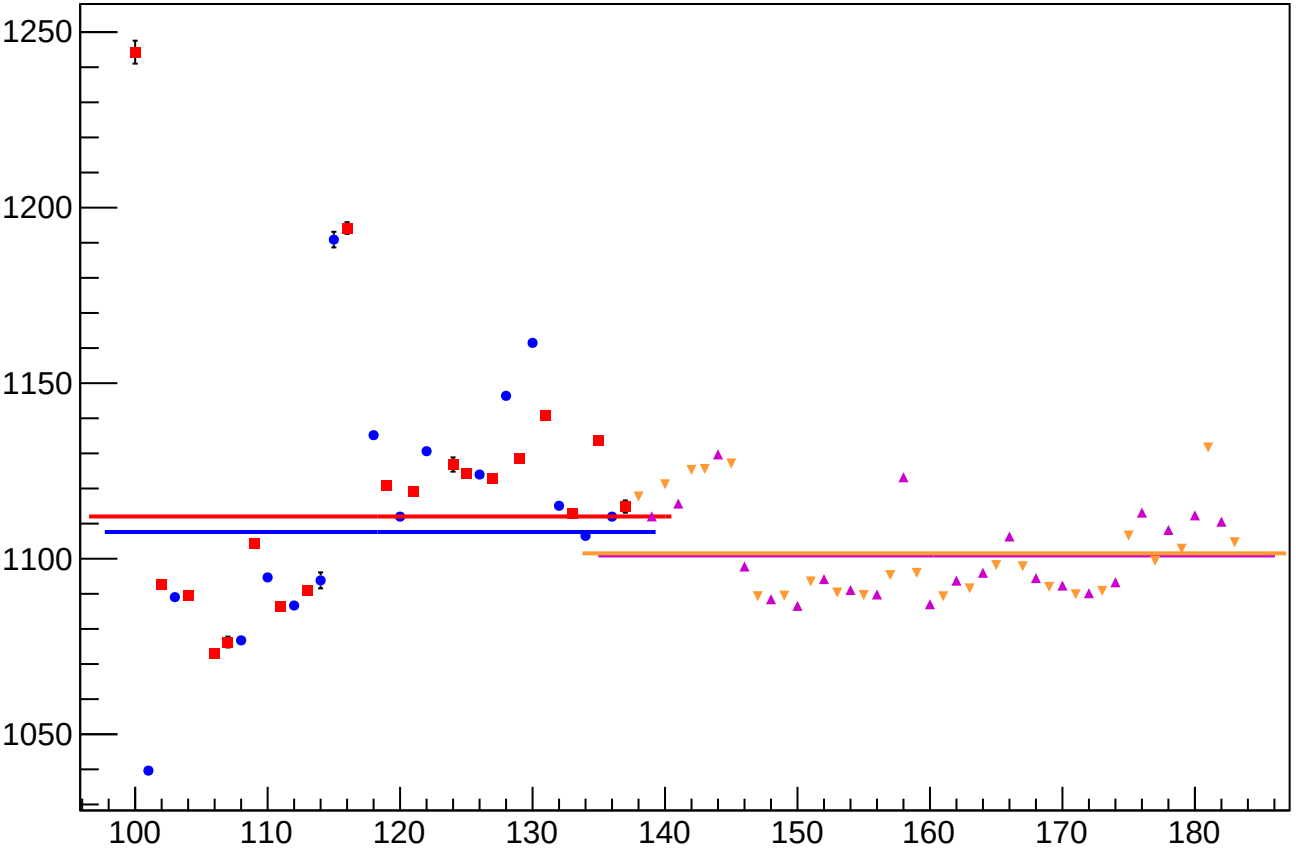
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2438.346+/-219.316 χ^2/NDF:41.1/37

Out: 2114.487+/-214.003 χ^2/NDF:26.9/42

All: 2272.446+/-153.167 χ^2/NDF: 69.1/80

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1101.526+/-0.178 χ^2/NDF:5882.2/23

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

Left In: 1100.935+/-0.183 χ^2/NDF:4605.1/21

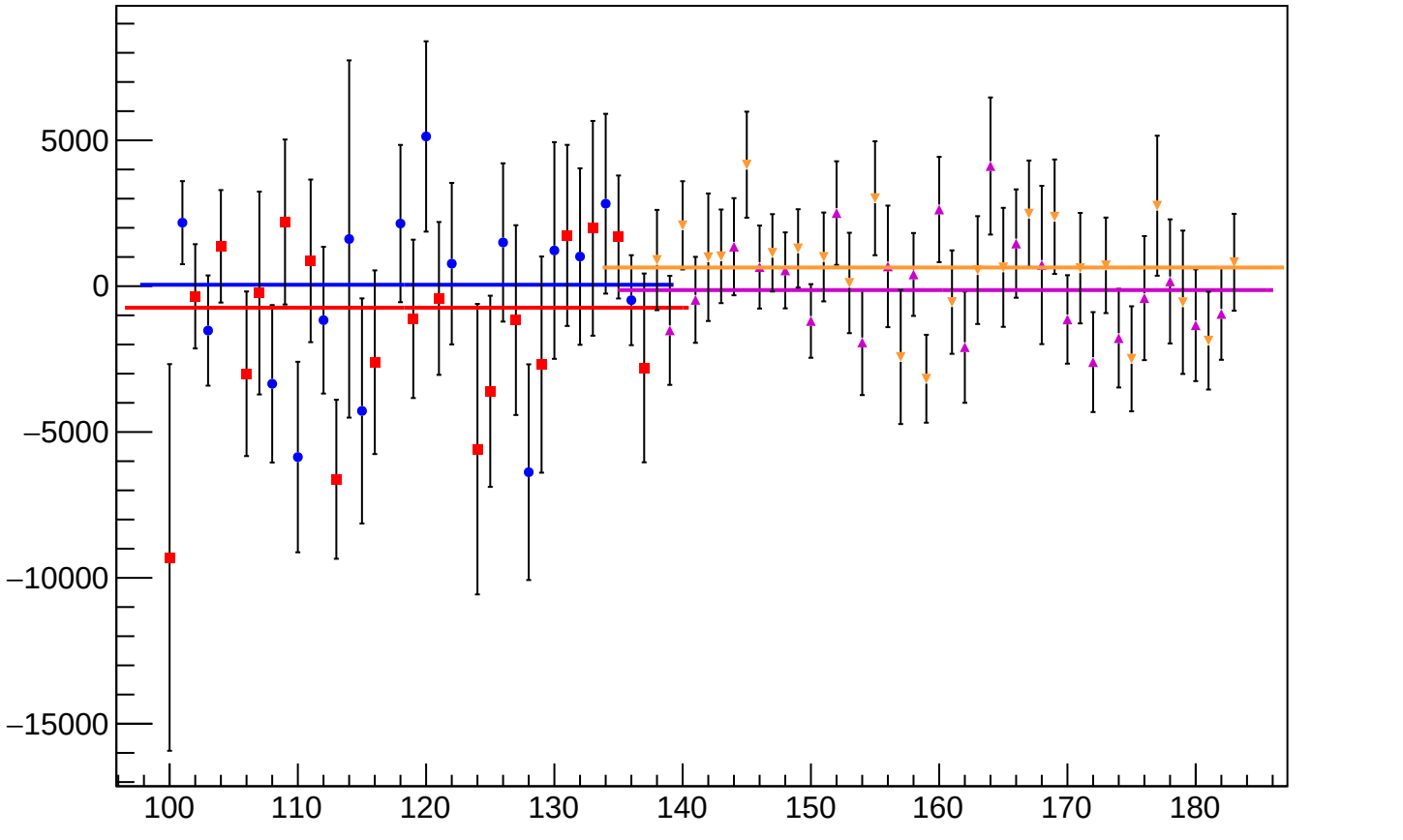
Left: 1101.239+/-0.128 χ^2/NDF: 10492.7/45

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

In: 1102.831+/-0.155 χ^2/NDF:18203.0/37

Out: 1104.450+/-0.151 χ^2/NDF:15503.6/42

All: 1103.661+/-0.108 χ^2/NDF: 33762.4/80



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 640.067+/-355.992 χ^2/NDF:23.5/23

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

Left In: -133.963+/-362.695 χ^2/NDF:17.8/21

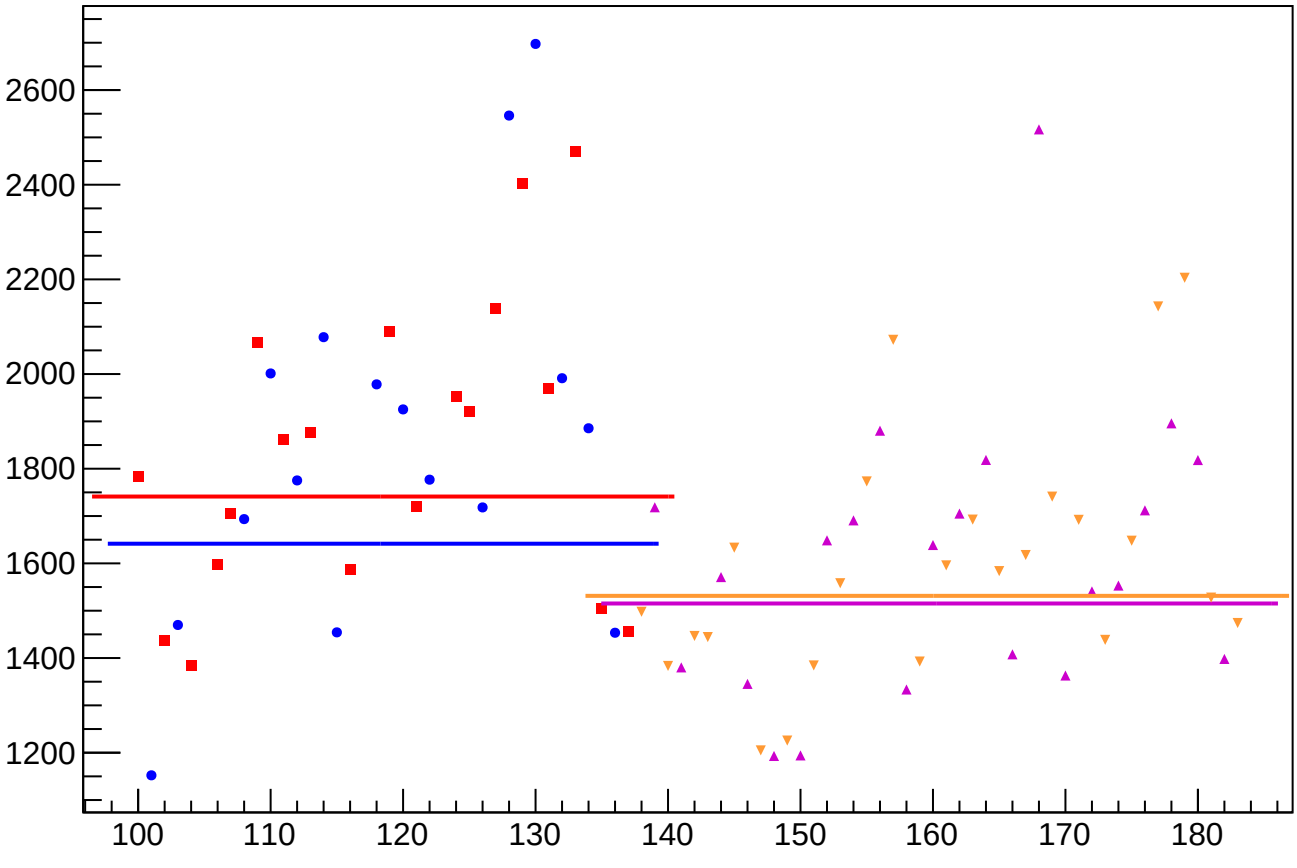
Left: 260.271+/-254.061 χ^2/NDF: 43.7/45

Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: -88.502+/-314.085 χ^2/NDF:34.8/37

Out: 320.382+/-311.986 χ^2/NDF:41.9/42

All: 117.311+/-221.346 χ^2/NDF: 77.6/80



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1531.382+/-0.252 χ^2/NDF:795221.6/23

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

Left In: 1515.236+/-0.256 χ^2/NDF:952987.6/21

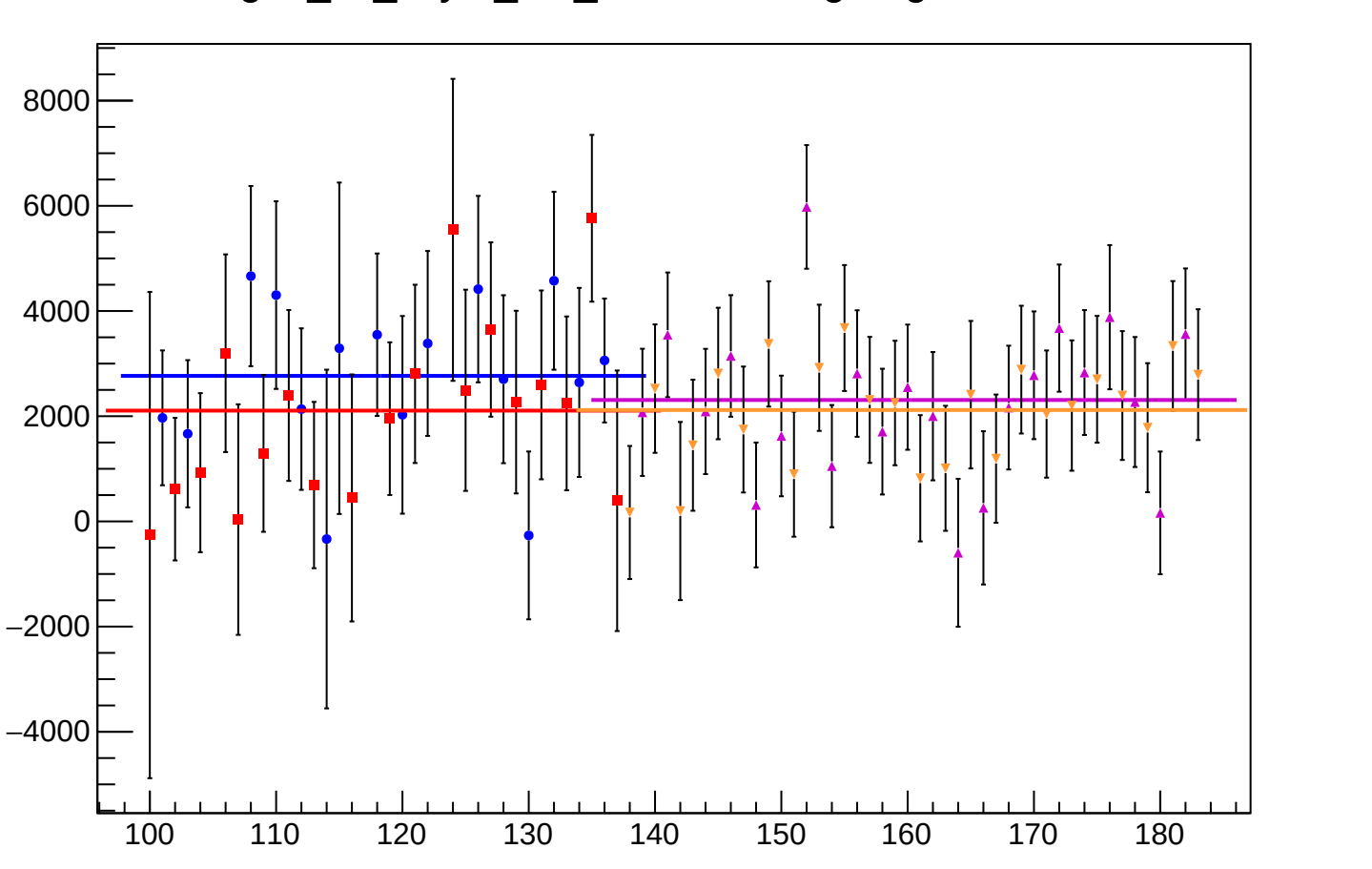
Left: 1523.460+/-0.180 χ^2/NDF: 1750227.8/45

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

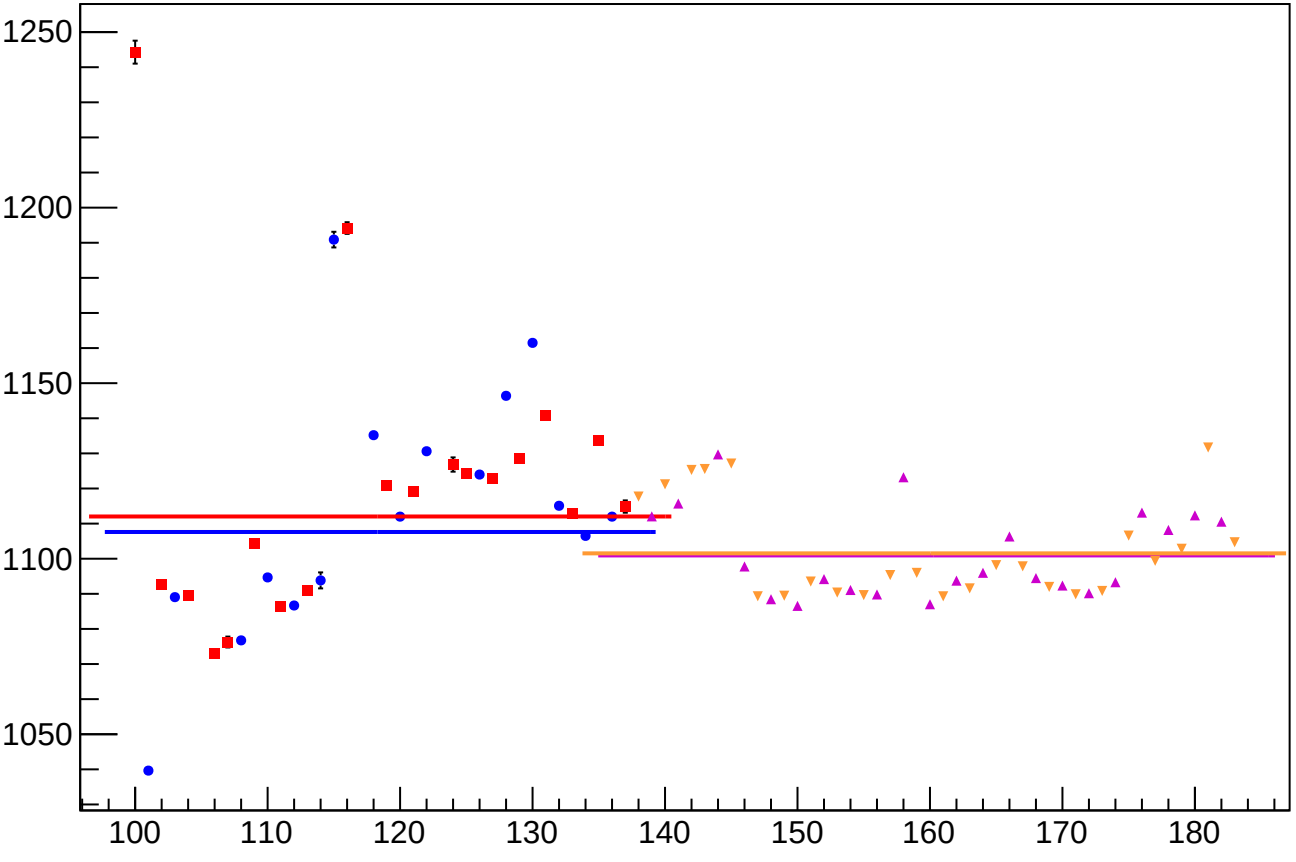
In: 1546.823+/-0.222 χ^2/NDF:1714952.4/37

Out: 1580.049+/-0.221 χ^2/NDF:1394708.5/42

All: 1563.547+/-0.157 χ^2/NDF: 3120927.0/80


eigen_dit_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: 2766.656+/-411.563 χ²/NDF: 10.3/15
Left Out: 2117.621+/-251.926 χ²/NDF:13.5/23
Right Out: 2106.360+/-405.586 χ²/NDF: 13.4/18
Left In: 2308.143+/-259.181 χ²/NDF:29.9/21
Left: 2210.178+/-180.649 χ²/NDF: 43.7/45
Right: 2431.678+/-288.882 χ²/NDF: 25.0/34
In: 2438.345+/-219.316 χ²/NDF:41.1/37
Out: 2114.486+/-214.003 χ²/NDF:26.9/42
All: 2272.446+/-153.167 χ²/NDF: 69.1/80

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1101.526+/-0.178 χ^2/NDF:5882.2/23

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

Left In: 1100.935+/-0.183 χ^2/NDF:4605.1/21

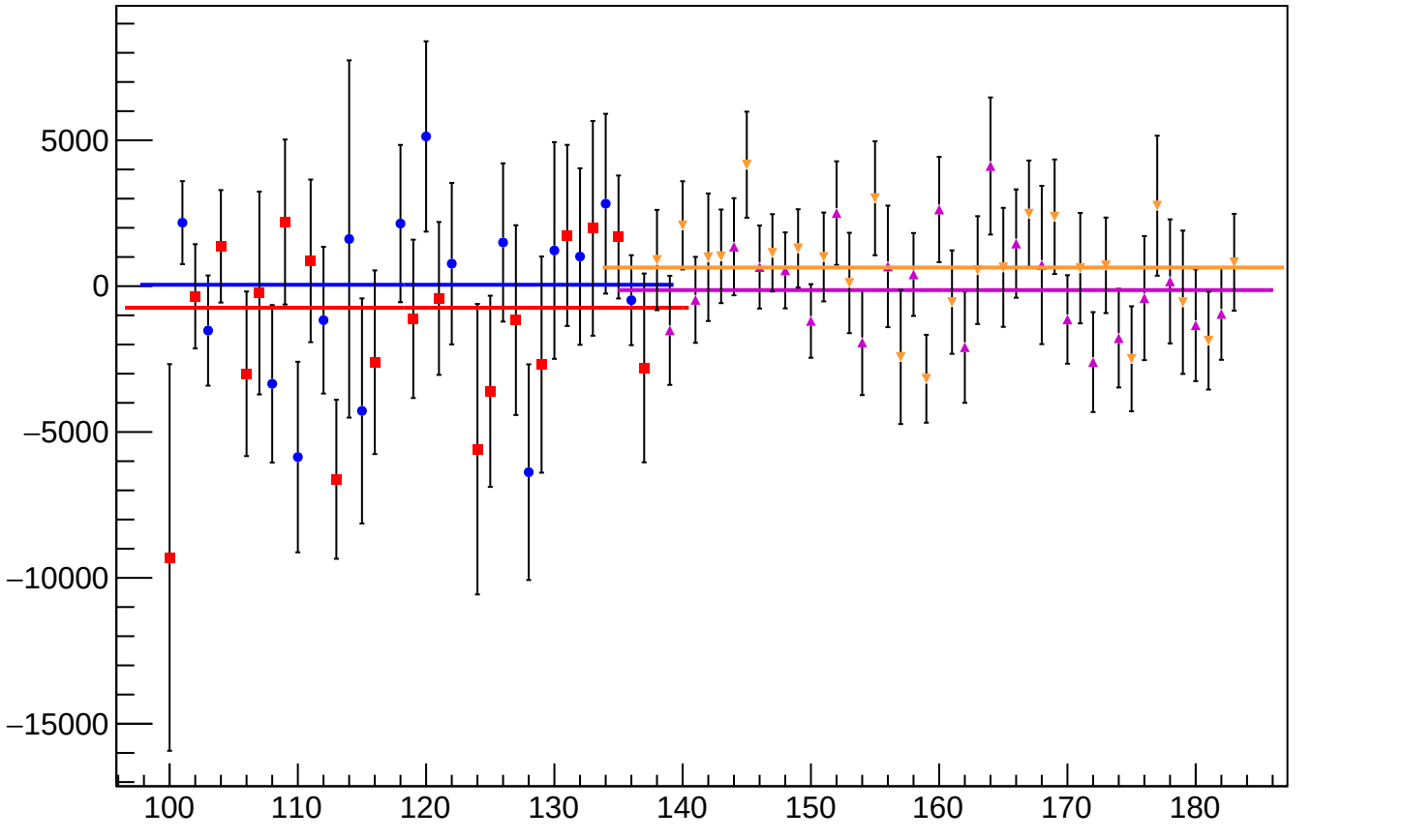
Left: 1101.239+/-0.128 χ^2/NDF: 10492.6/45

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

In: 1102.831+/-0.155 χ^2/NDF:18202.8/37

Out: 1104.450+/-0.151 χ^2/NDF:15503.5/42

All: 1103.660+/-0.108 χ^2/NDF: 33762.2/80



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 640.065+/-355.992 χ^2/NDF:23.5/23

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

Left In: -133.963+/-362.696 χ^2/NDF:17.8/21

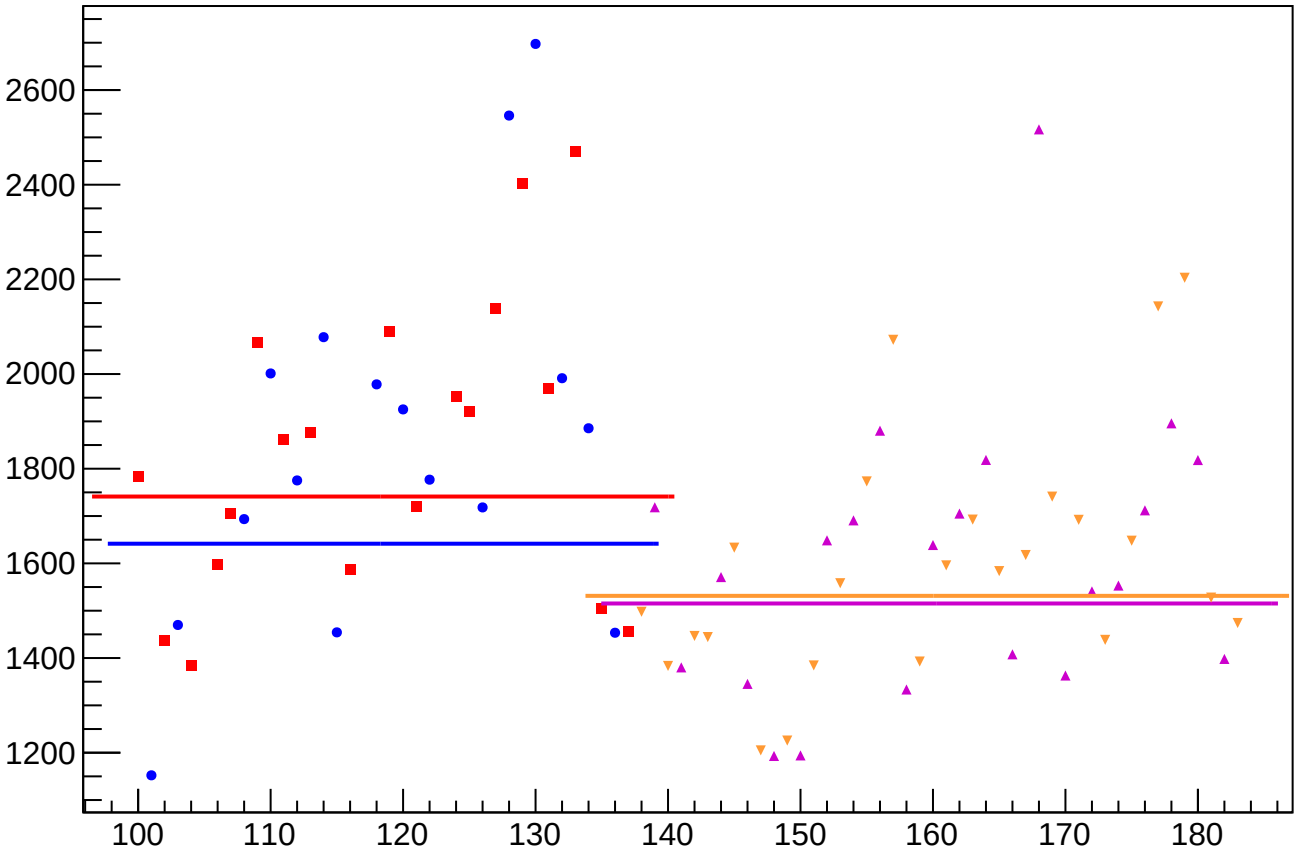
Left: 260.270+/-254.062 χ^2/NDF: 43.7/45

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

In: -88.503+/-314.085 χ^2/NDF:34.8/37

Out: 320.378+/-311.986 χ^2/NDF:41.9/42

All: 117.309+/-221.346 χ^2/NDF: 77.6/80



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1531.386+/-0.252 χ^2/NDF:795225.5/23

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

Left In: 1515.240+/-0.256 χ^2/NDF:952993.4/21

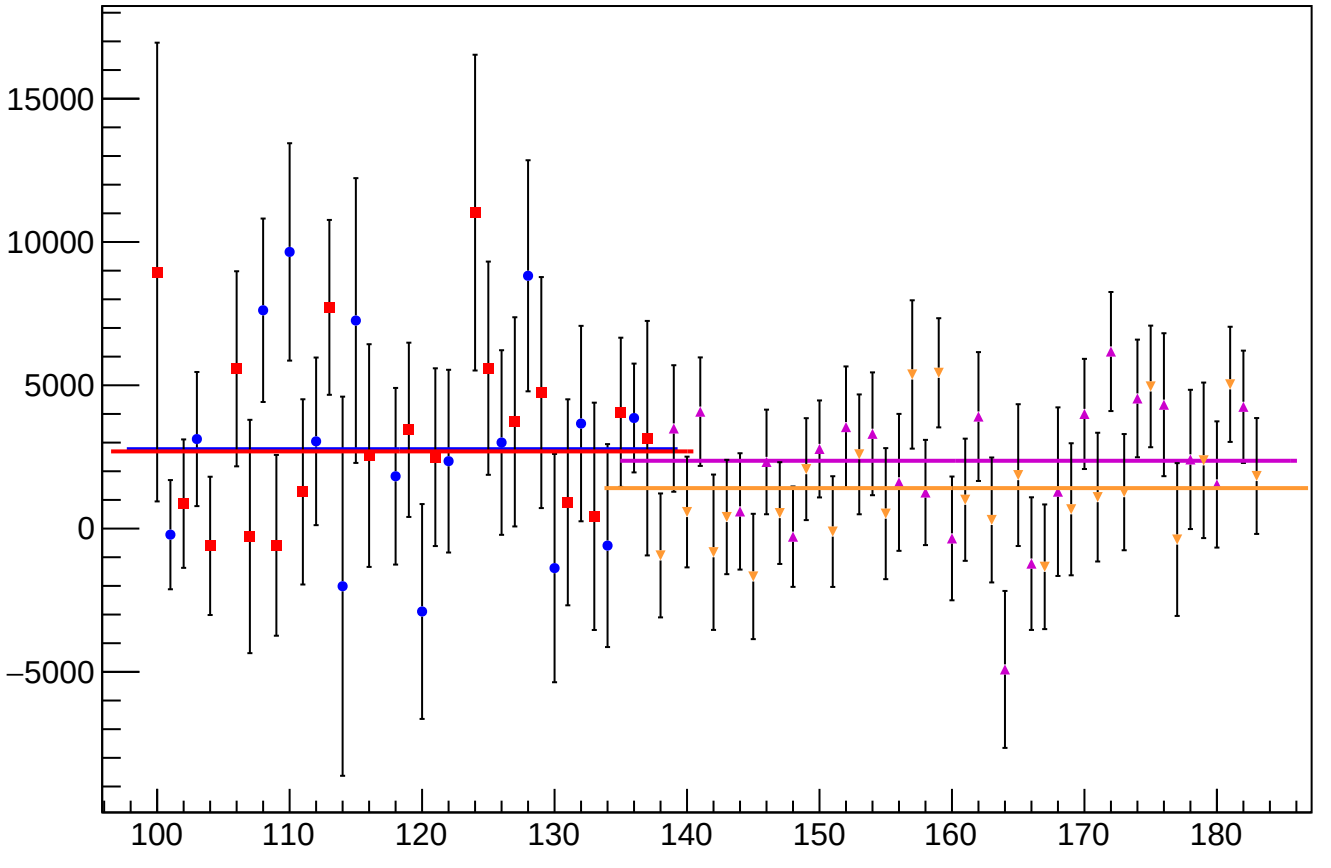
Left: 1523.463+/-0.180 χ^2/NDF: 1750237.5/45

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

In: 1546.825+/-0.222 χ^2/NDF:1714940.5/37

Out: 1580.052+/-0.221 χ^2/NDF:1394692.2/42

All: 1563.550+/-0.157 χ^2/NDF: 3120899.1/80



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1412.066+/-436.392 χ^2/NDF:21.3/23

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: 1877.258+/-312.341 χ^2/NDF: 47.3/45

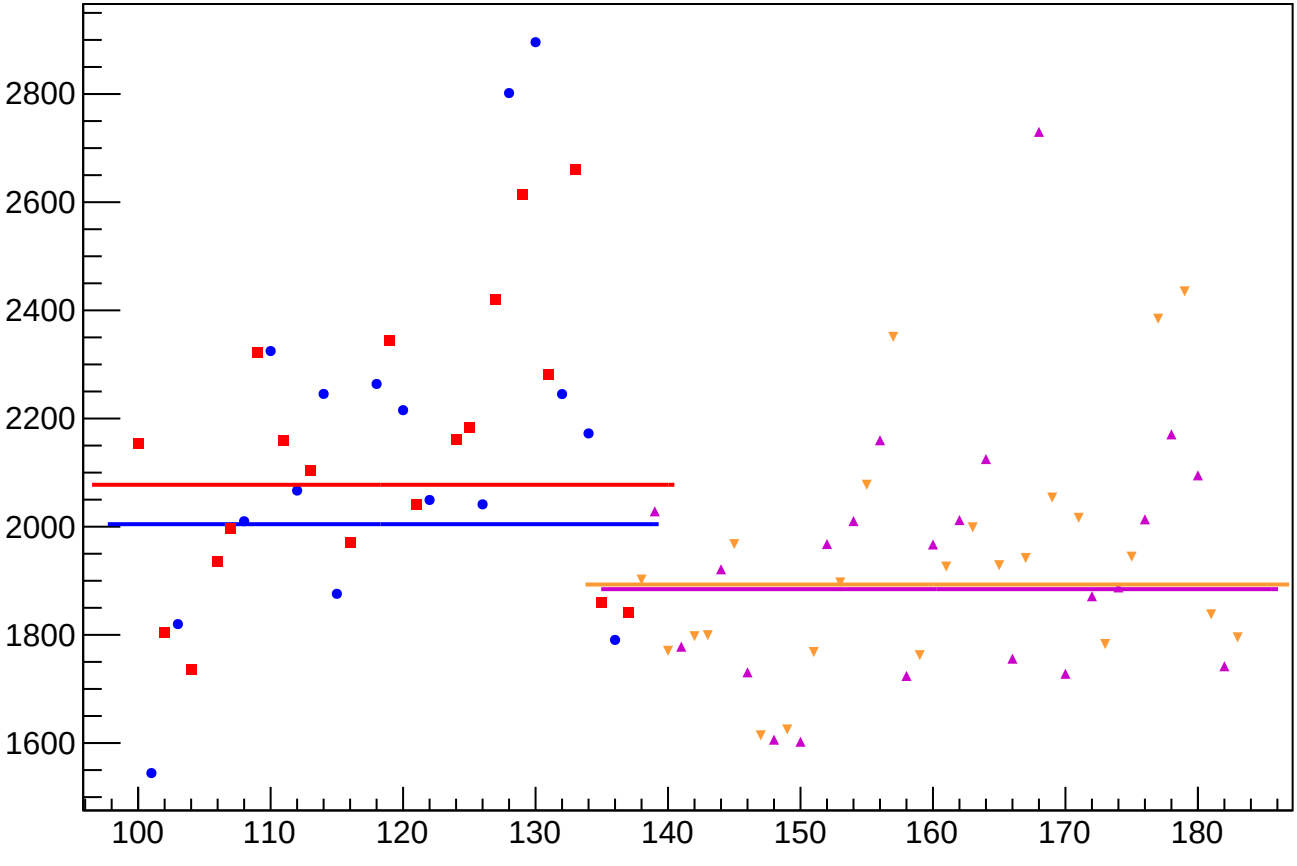
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2470.400+/-385.074 χ^2/NDF:40.3/37

Out: 1725.997+/-379.146 χ^2/NDF:35.9/42

All: 2092.425+/-270.168 χ^2/NDF: 78.2/80

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1893.111+/-0.309 χ^2/NDF:388936.9/23

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1884.499+/-0.316 χ^2/NDF:459098.6/21

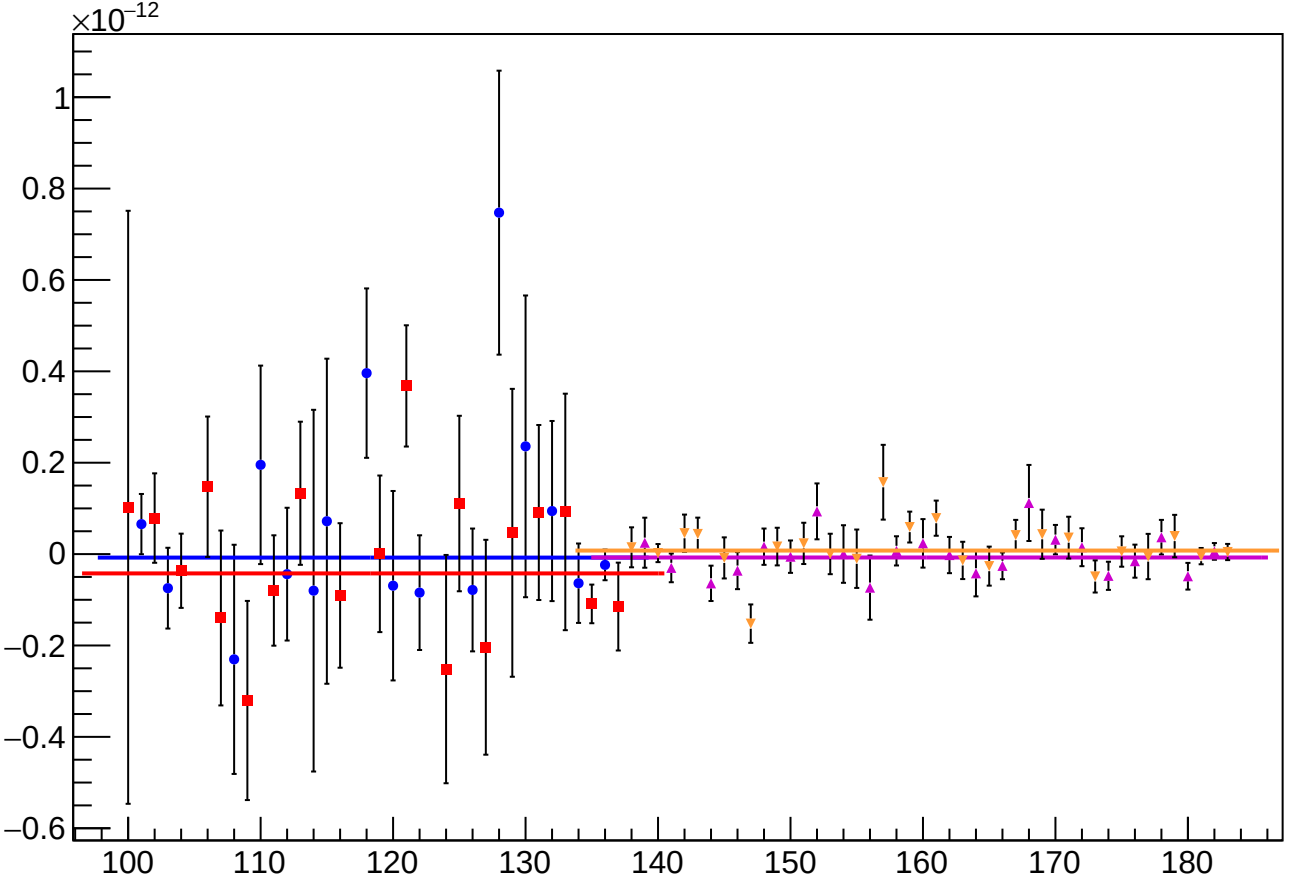
Left: 1888.911+/-0.221 χ^2/NDF: 848415.4/45

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

In: 1915.576+/-0.272 χ^2/NDF:883996.4/37

Out: 1938.314+/-0.268 χ^2/NDF:706954.1/42

All: 1927.122+/-0.191 χ^2/NDF: 1594491.2/80



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/21

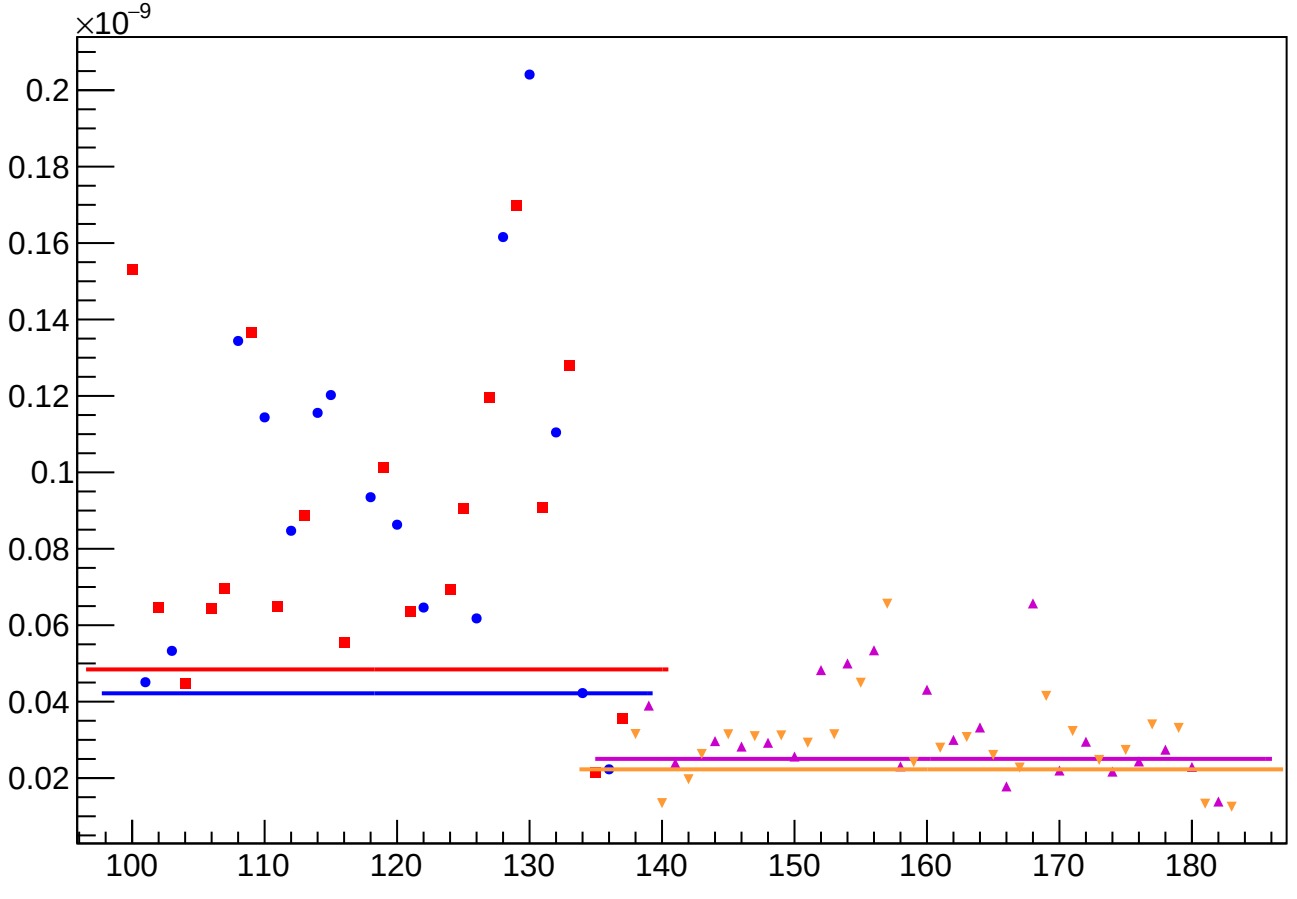
Left: 0.000+/-0.000 χ^2/NDF: 52.8/45

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:57.3/42

All: -0.000+/-0.000 χ^2/NDF: 93.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3627507.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2878160.5/21

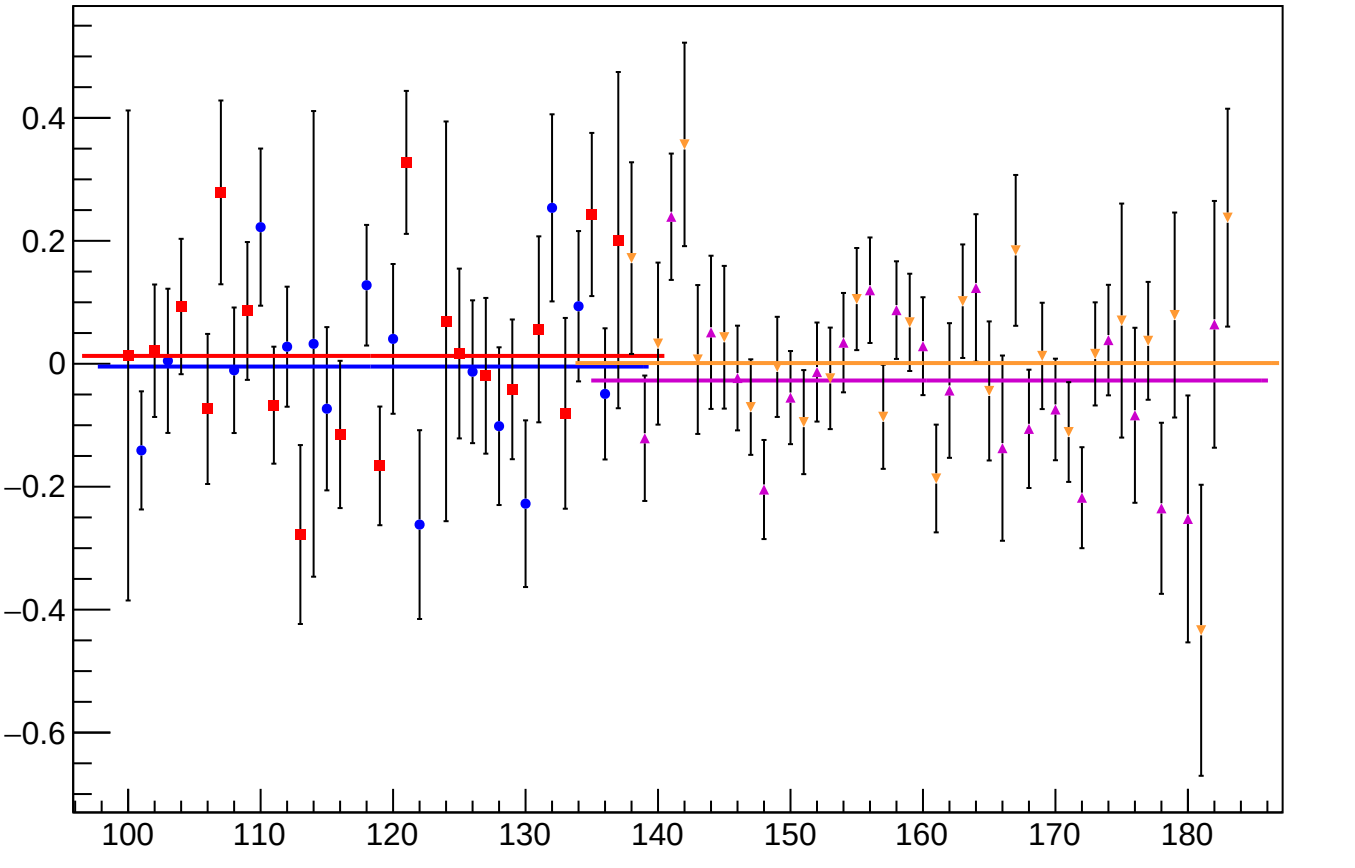
Left: 0.000+/-0.000 χ^2/NDF: 6644315.4/45

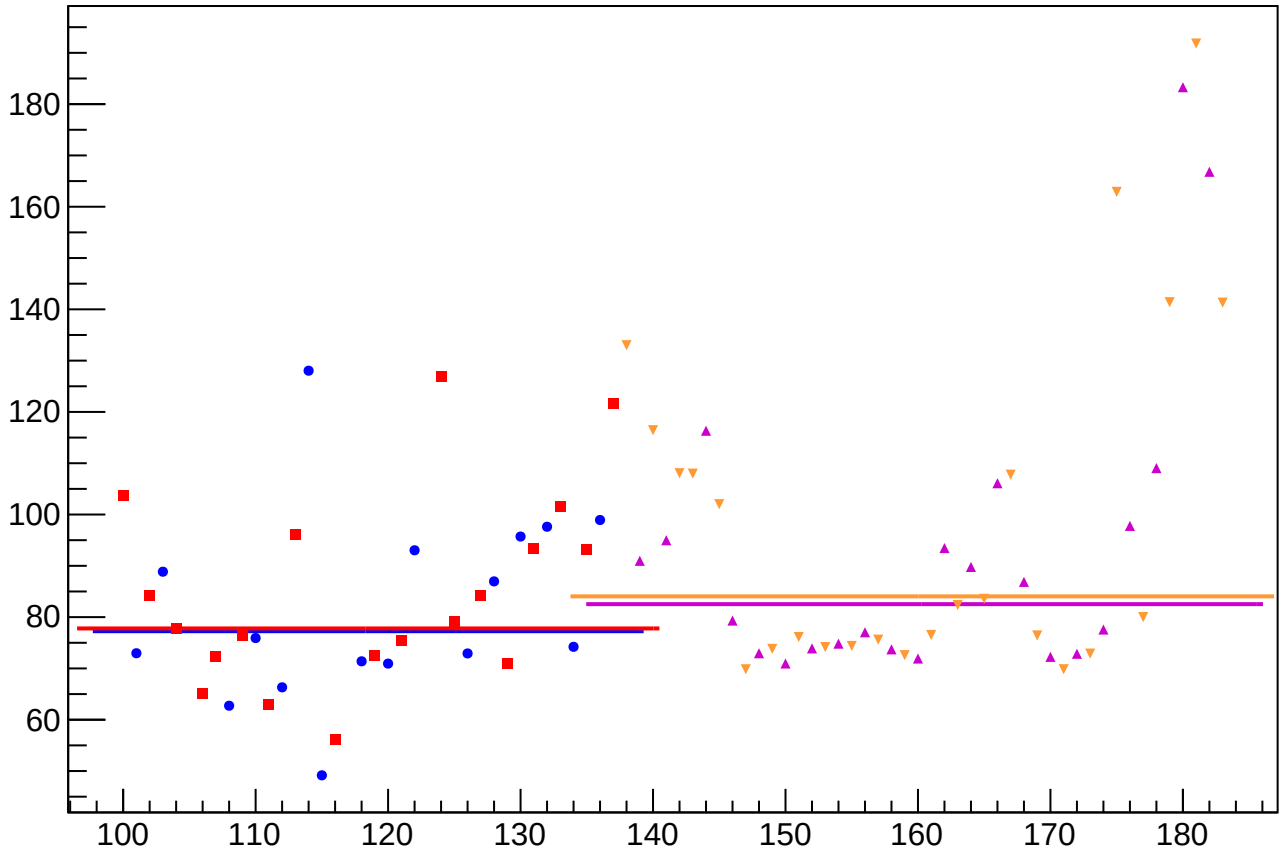
Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:6717798.0/37

Out: 0.000+/-0.000 χ^2/NDF:7990168.5/42

All: 0.000+/-0.000 χ^2/NDF: 14855365.7/80


asym_usr_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: 0.001+/-0.021 χ²/NDF:27.4/23
Right Out: 0.013+/-0.030 χ²/NDF: 25.5/18
Left In: -0.027+/-0.021 χ²/NDF:31.9/21
Left: -0.013+/-0.015 χ²/NDF: 60.3/45
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: -0.020+/-0.017 χ²/NDF:49.6/37
Out: 0.005+/-0.017 χ²/NDF:52.9/42
All: -0.007+/-0.012 χ²/NDF: 103.6/80



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 84.048+/-0.015 χ^2/NDF:2128434.9/23

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 82.532+/-0.015 χ^2/NDF:1473730.5/21

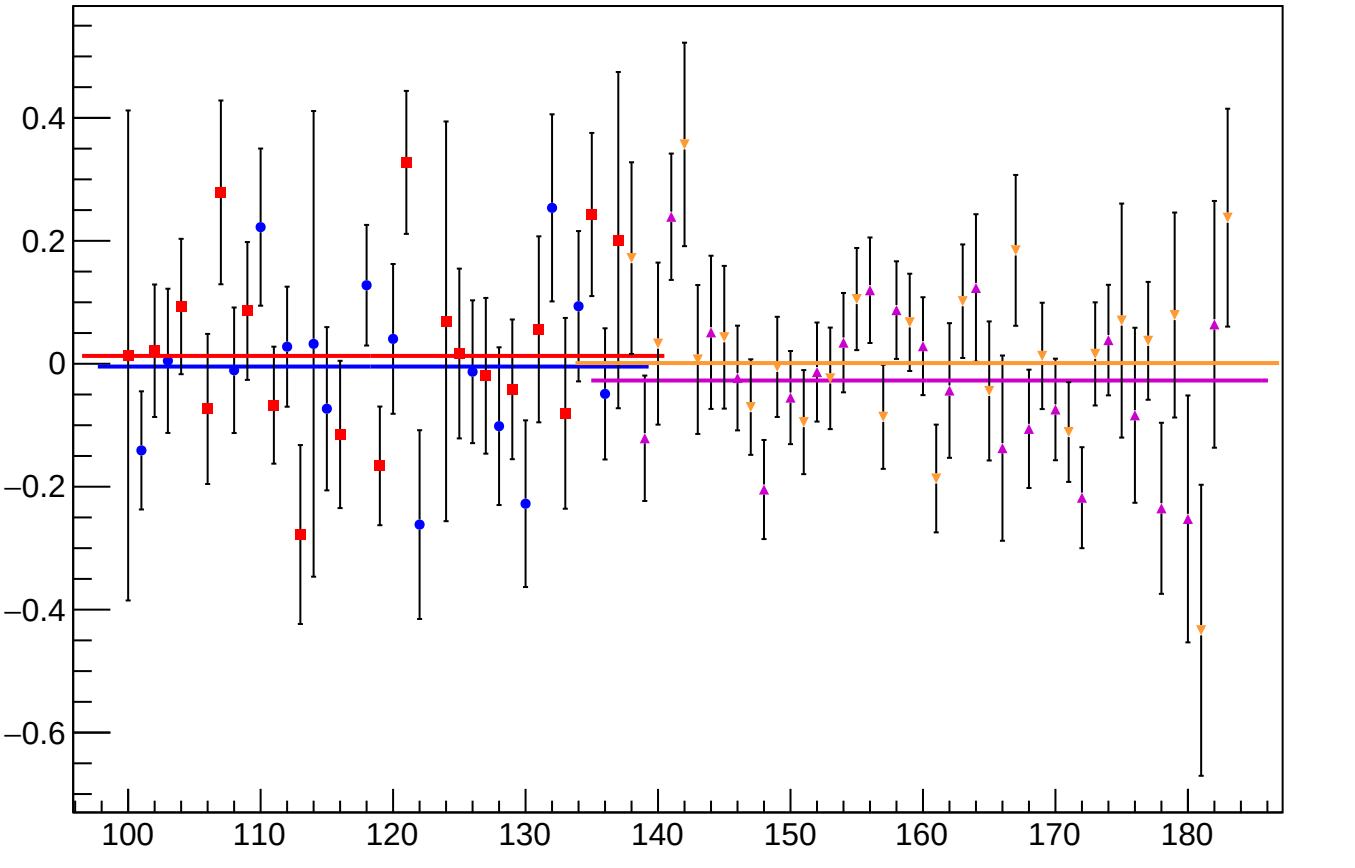
Left: 83.292+/-0.010 χ^2/NDF: 3607586.6/45

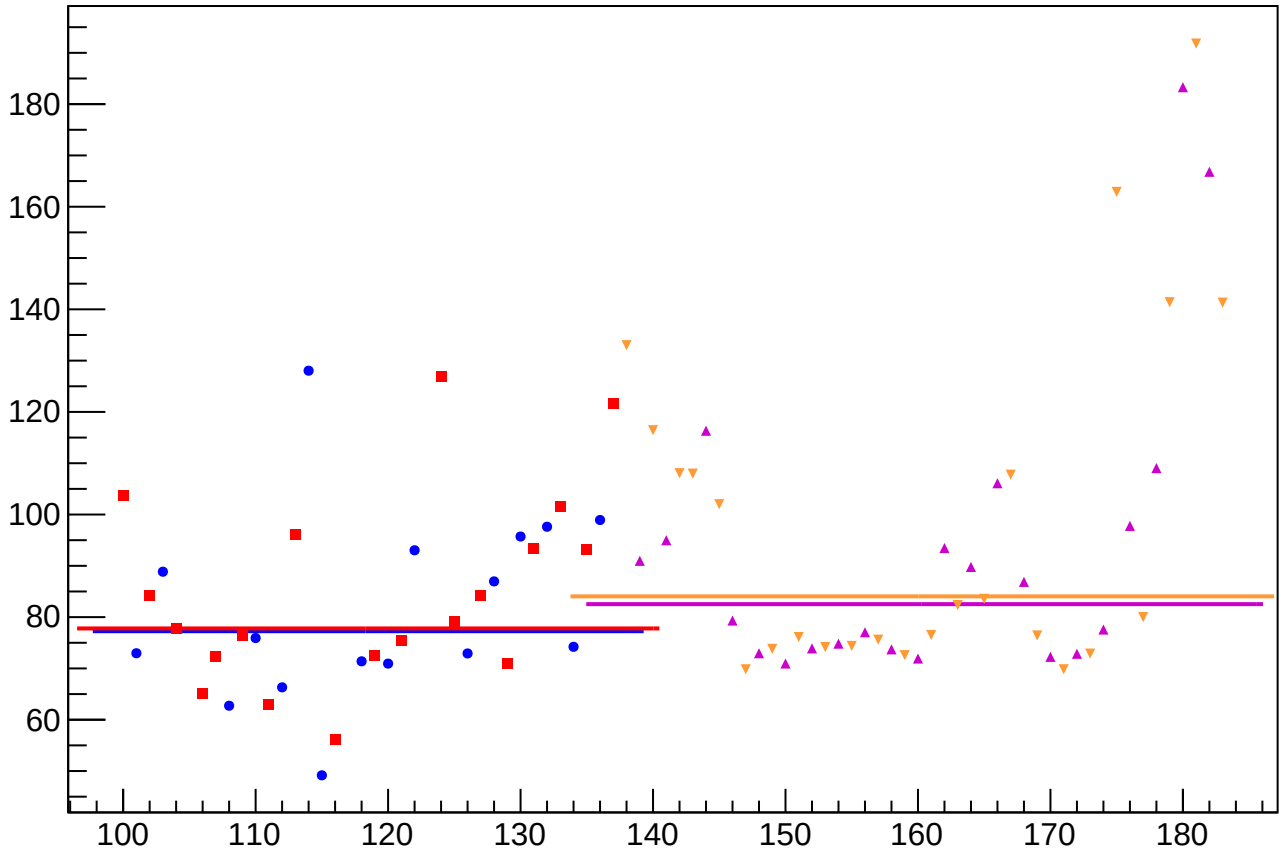
Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 80.845+/-0.012 χ^2/NDF:1934905.0/37

Out: 82.025+/-0.012 χ^2/NDF:2584751.8/42

All: 81.438+/-0.008 χ^2/NDF: 4524499.1/80


asym_usr_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: 0.001+/-0.021 χ²/NDF:27.4/23
Right Out: 0.013+/-0.030 χ²/NDF: 25.5/18
Left In: -0.027+/-0.021 χ²/NDF:31.9/21
Left: -0.013+/-0.015 χ²/NDF: 60.3/45
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: -0.020+/-0.017 χ²/NDF:49.6/37
Out: 0.005+/-0.017 χ²/NDF:52.9/42
All: -0.007+/-0.012 χ²/NDF: 103.6/80



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 84.048+/-0.015 χ^2/NDF:2128434.9/23

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 82.532+/-0.015 χ^2/NDF:1473730.5/21

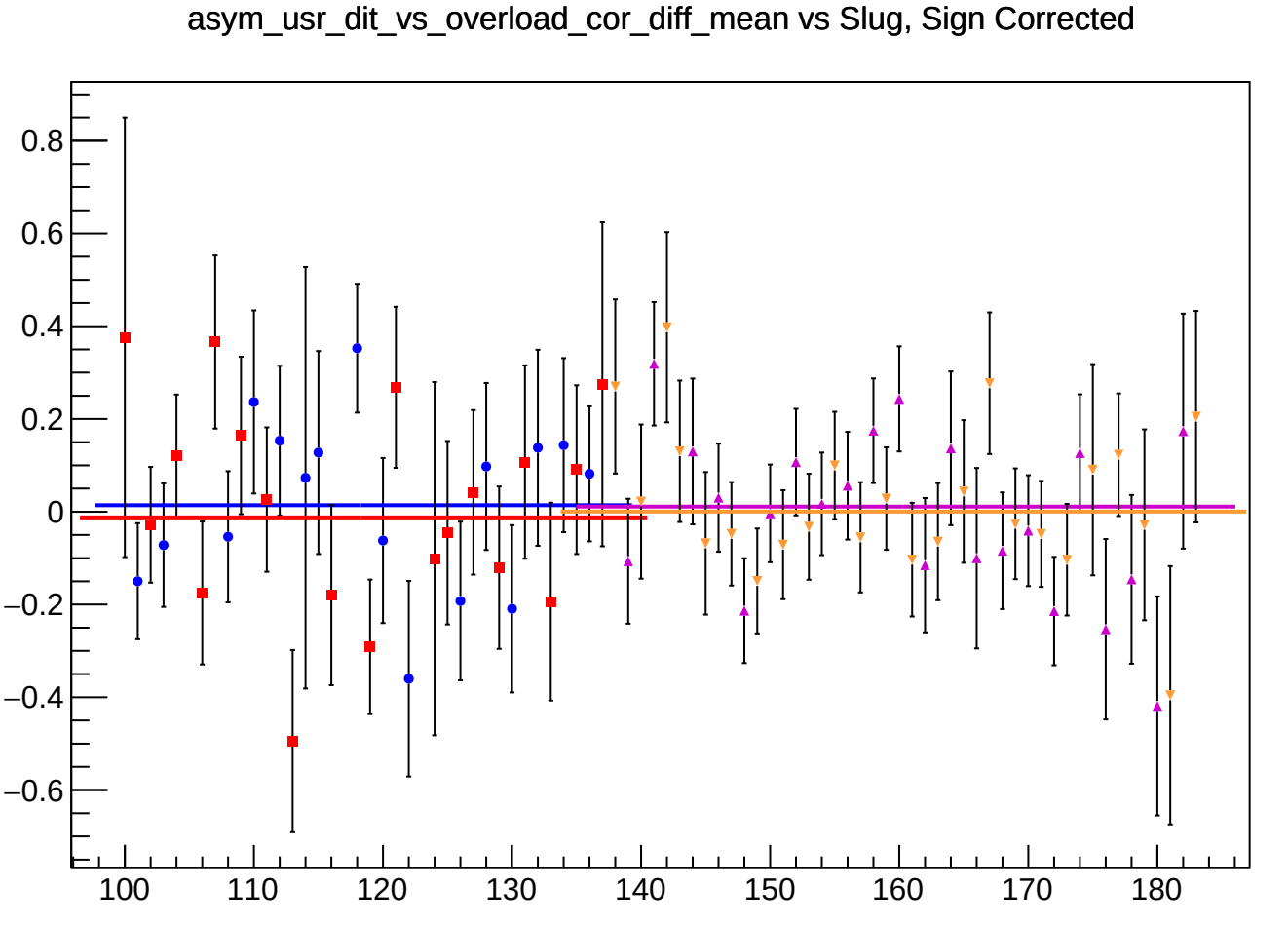
Left: 83.292+/-0.010 χ^2/NDF: 3607586.6/45

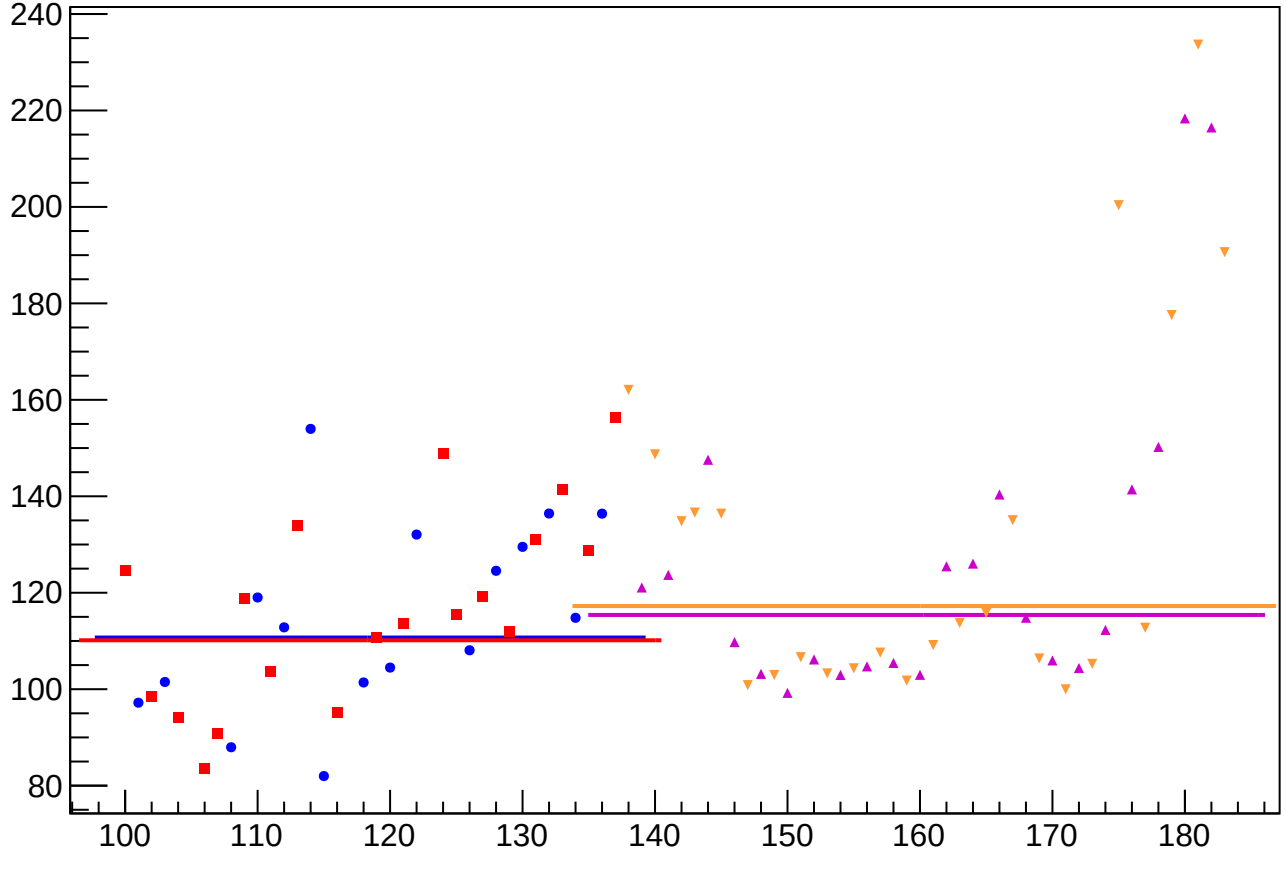
Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 80.845+/-0.012 χ^2/NDF:1934905.0/37

Out: 82.025+/-0.012 χ^2/NDF:2584751.8/42

All: 81.438+/-0.008 χ^2/NDF: 4524499.1/80


asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.000+/-0.028 χ²/NDF:19.4/23
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.011+/-0.028 χ²/NDF:31.1/21
Left: 0.006+/-0.020 χ²/NDF: 50.5/45
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.012+/-0.023 χ²/NDF:49.3/37
Out: -0.004+/-0.023 χ²/NDF:43.2/42
All: 0.004+/-0.017 χ²/NDF: 92.7/80



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 117.245+/-0.020 χ^2/NDF:1580030.0/23

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 115.395+/-0.020 χ^2/NDF:1155136.4/21

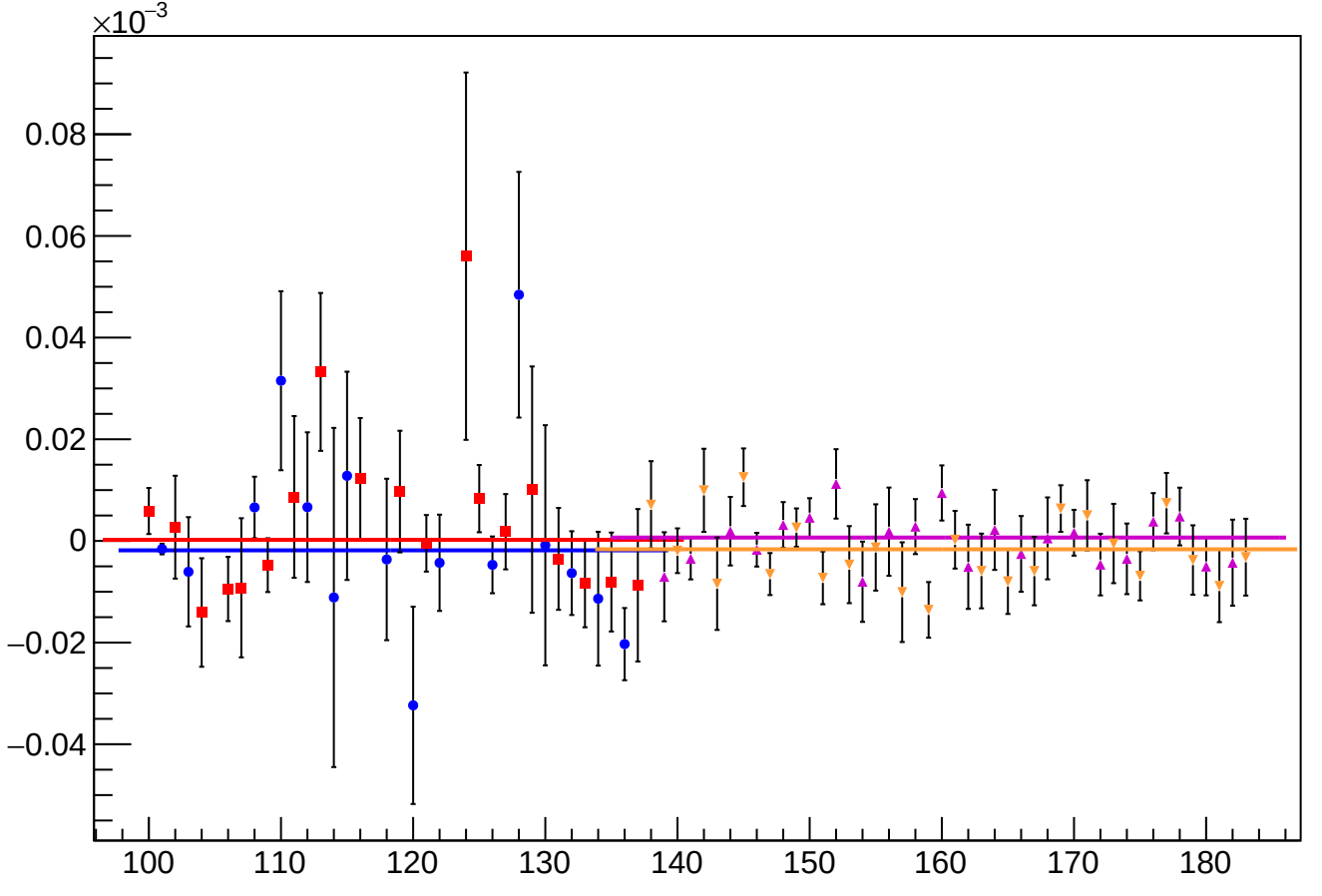
Left: 116.327+/-0.014 χ^2/NDF: 2739484.4/45

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

In: 113.949+/-0.017 χ^2/NDF:1472056.9/37

Out: 115.005+/-0.016 χ^2/NDF:1947200.9/42

All: 114.484+/-0.012 χ^2/NDF: 3421304.0/80



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:14.2/21

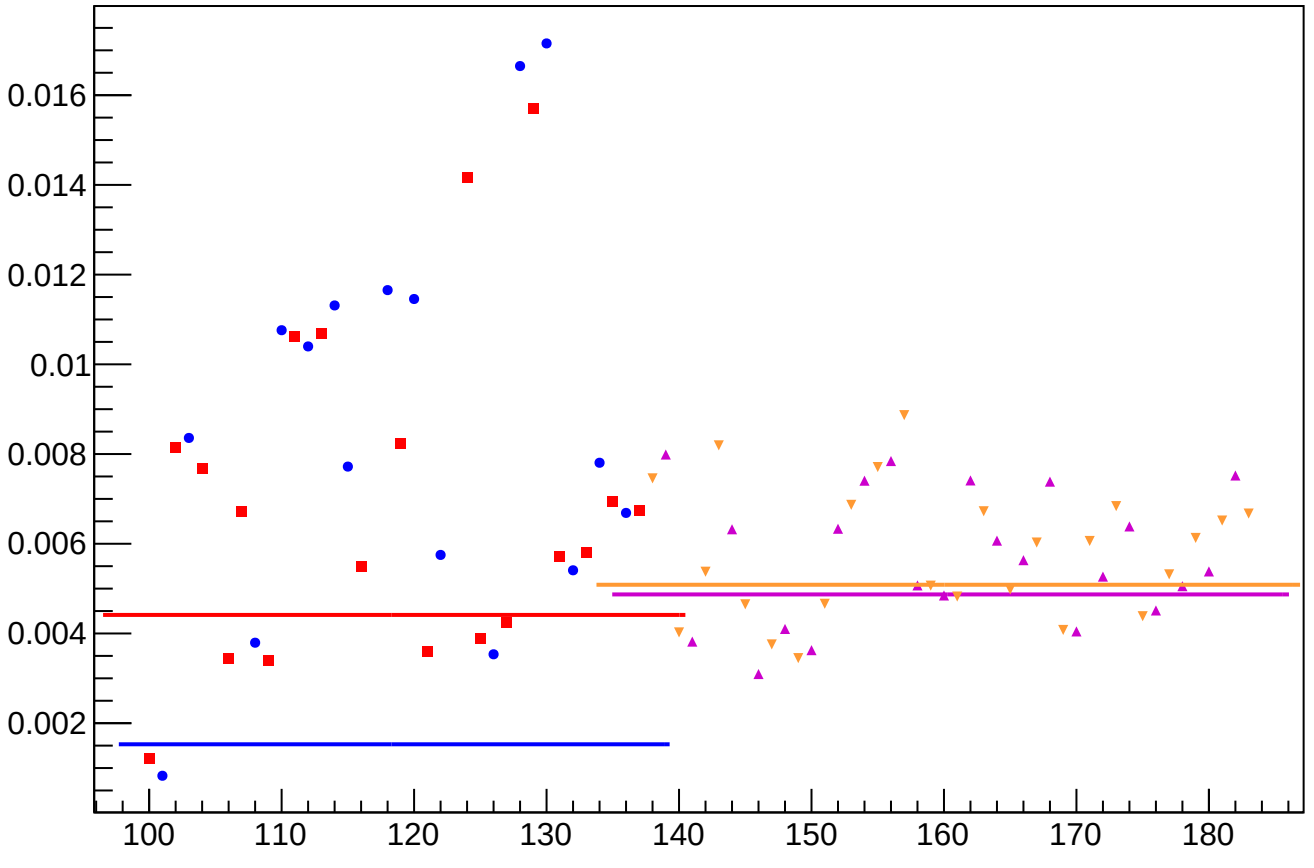
Left: -0.000+/-0.000 χ^2/NDF: 45.9/45

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:50.4/42

All: -0.000+/-0.000 χ^2/NDF: 88.7/80



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2353470.6/23

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2701565.9/21

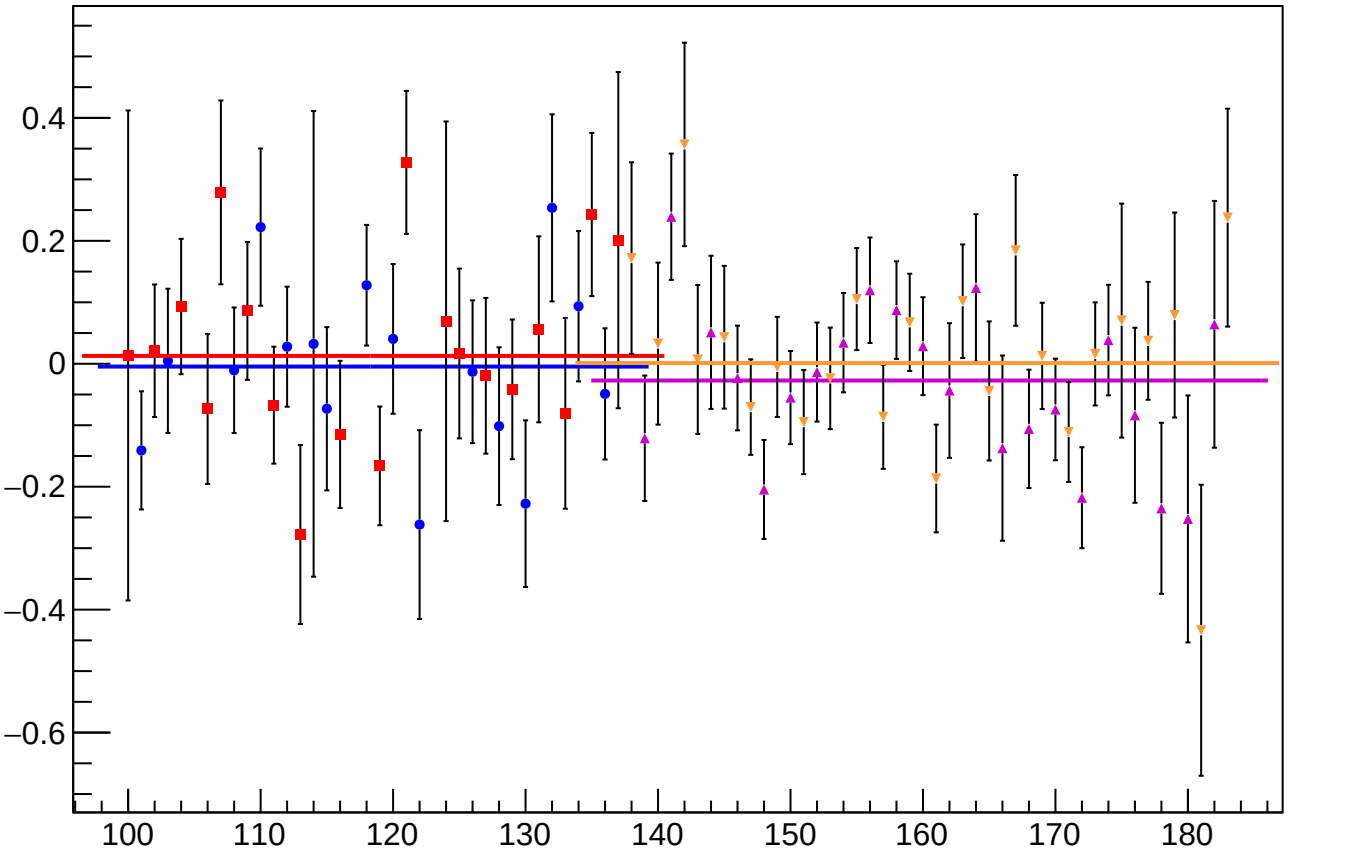
Left: 0.005+/-0.000 χ^2/NDF: 5086786.9/45

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:5915825.4/42

All: 0.004+/-0.000 χ^2/NDF: 32292008.6/80



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:27.4/23

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.027+/-0.021 χ^2/NDF:31.9/21

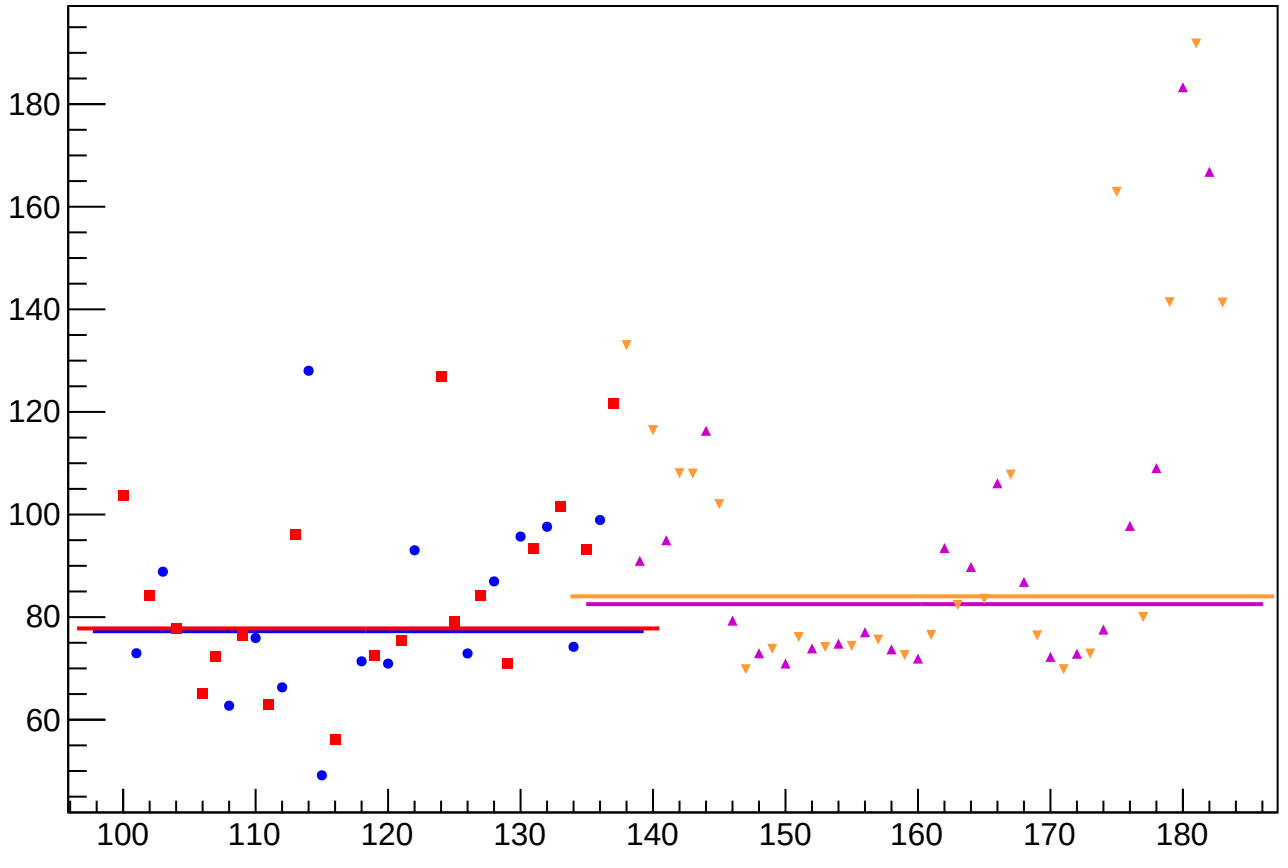
Left: -0.013+/-0.015 χ^2/NDF: 60.3/45

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.020+/-0.017 χ^2/NDF:49.6/37

Out: 0.005+/-0.017 χ^2/NDF:52.9/42

All: -0.007+/-0.012 χ^2/NDF: 103.6/80



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 84.048+/-0.015 χ^2/NDF:2128430.6/23

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 82.533+/-0.015 χ^2/NDF:1473712.1/21

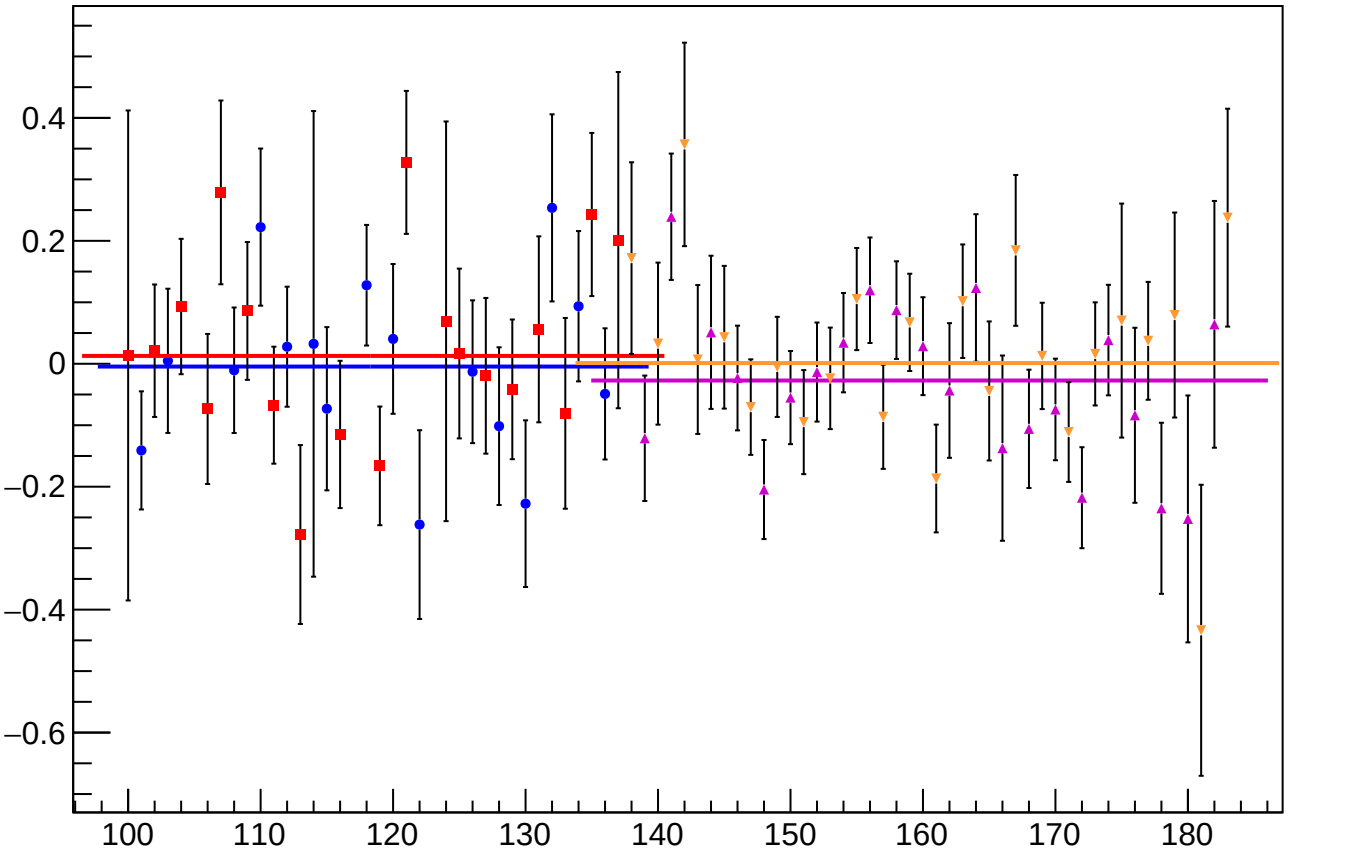
Left: 83.292+/-0.010 χ^2/NDF: 3607565.1/45

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

In: 80.845+/-0.012 χ^2/NDF:1934906.8/37

Out: 82.025+/-0.012 χ^2/NDF:2584788.6/42

All: 81.438+/-0.008 χ^2/NDF: 4524538.4/80



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:27.4/23

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.027+/-0.021 χ^2/NDF:31.9/21

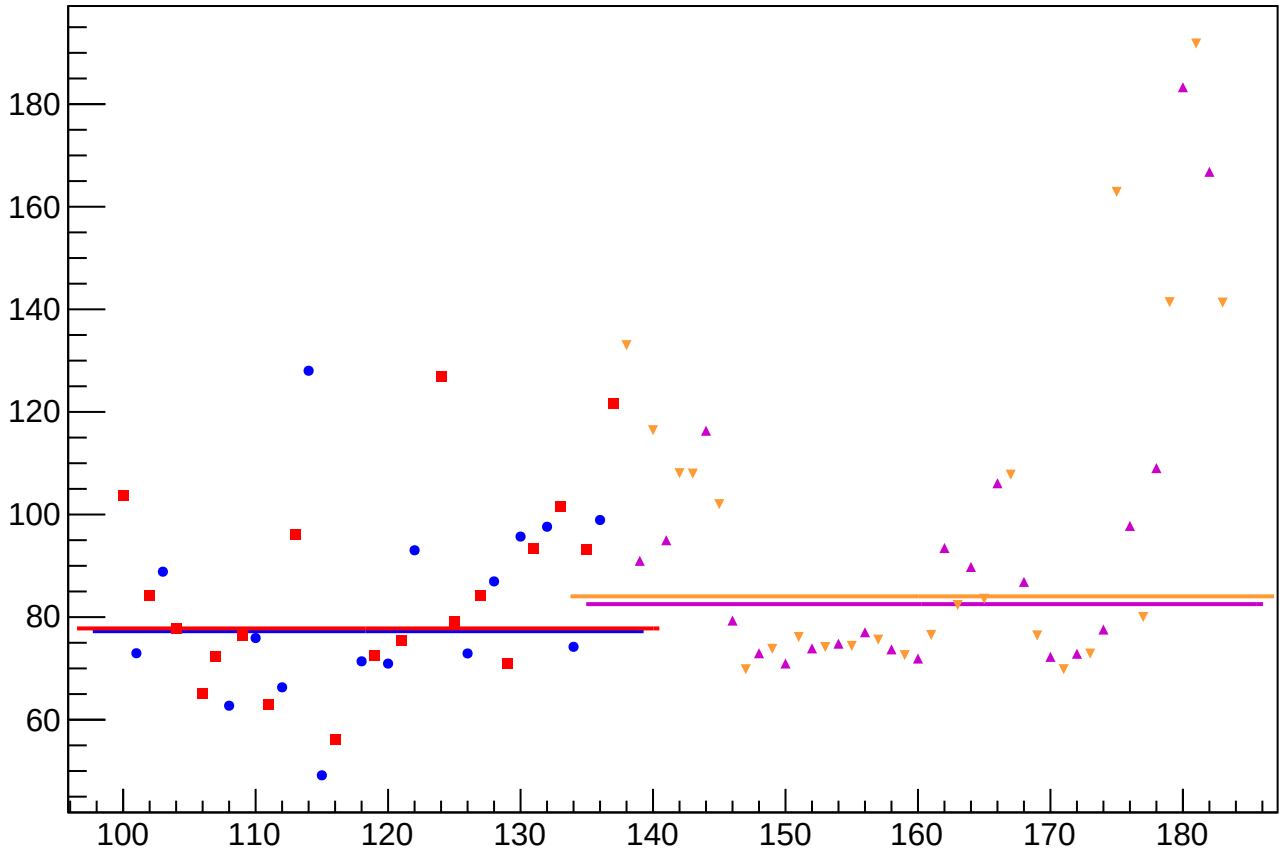
Left: -0.013+/-0.015 χ^2/NDF: 60.3/45

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.020+/-0.017 χ^2/NDF:49.6/37

Out: 0.005+/-0.017 χ^2/NDF:52.9/42

All: -0.007+/-0.012 χ^2/NDF: 103.6/80



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 84.048+/-0.015 χ^2/NDF:2128430.6/23

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 82.533+/-0.015 χ^2/NDF:1473712.1/21

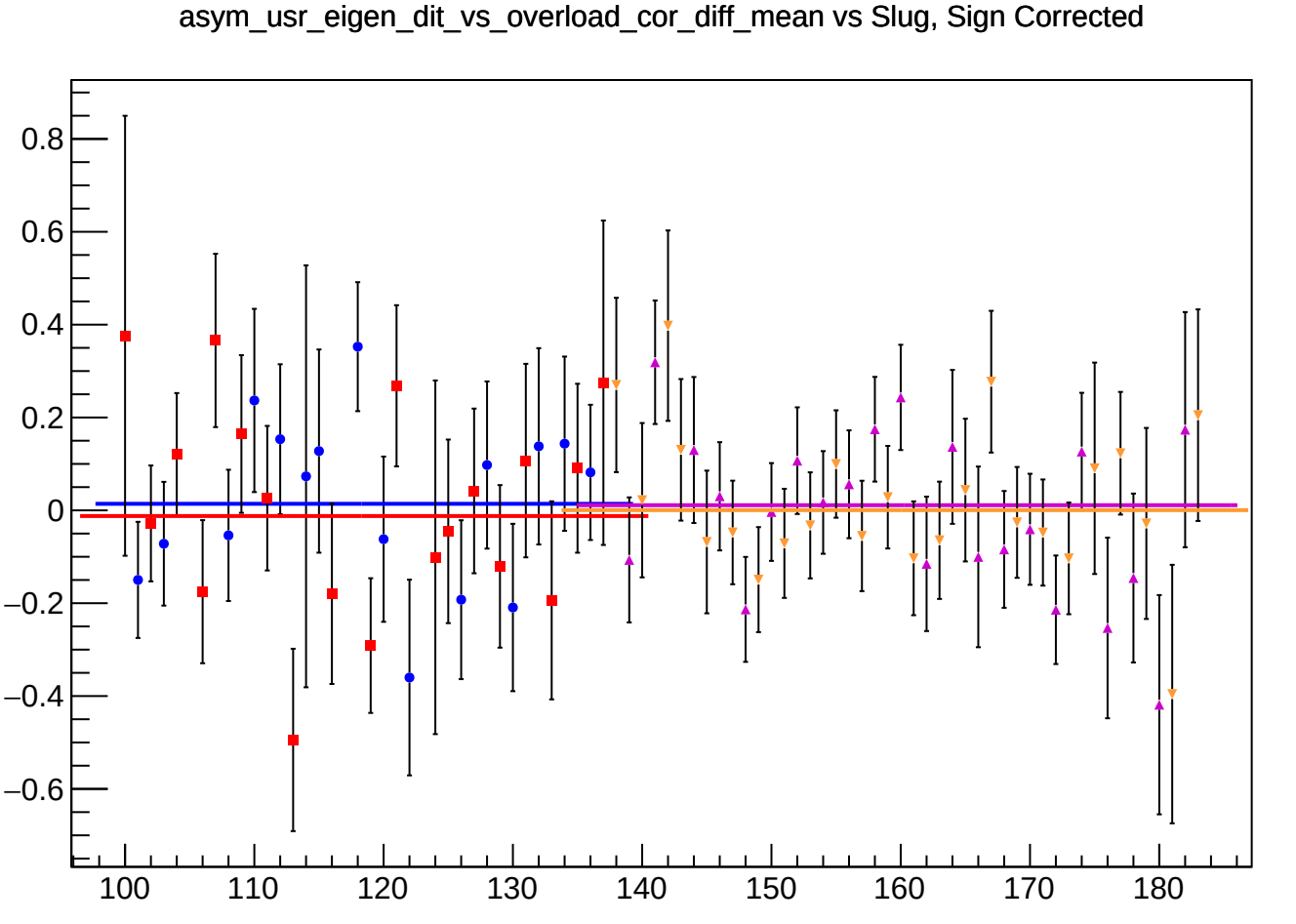
Left: 83.292+/-0.010 χ^2/NDF: 3607565.1/45

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

In: 80.845+/-0.012 χ^2/NDF:1934906.8/37

Out: 82.025+/-0.012 χ^2/NDF:2584788.6/42

All: 81.438+/-0.008 χ^2/NDF: 4524538.4/80



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.028 χ^2/NDF:19.4/23

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: 0.006+/-0.020 χ^2/NDF: 50.5/45

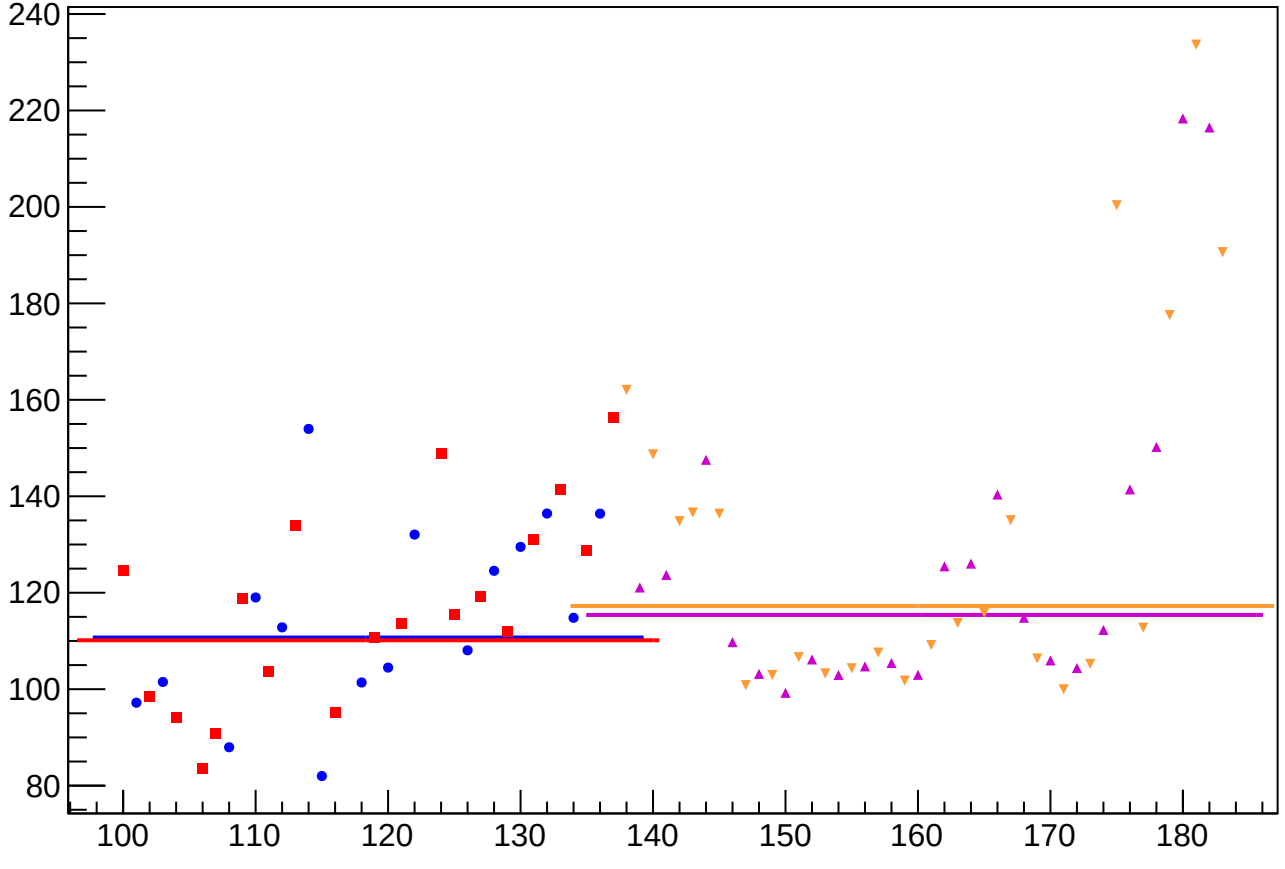
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.012+/-0.023 χ^2/NDF:49.3/37

Out: -0.004+/-0.023 χ^2/NDF:43.2/42

All: 0.004+/-0.017 χ^2/NDF: 92.7/80

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: 117.246+/-0.020 χ^2/NDF:1580024.3/23

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 115.396+/-0.020 χ^2/NDF:1155128.0/21

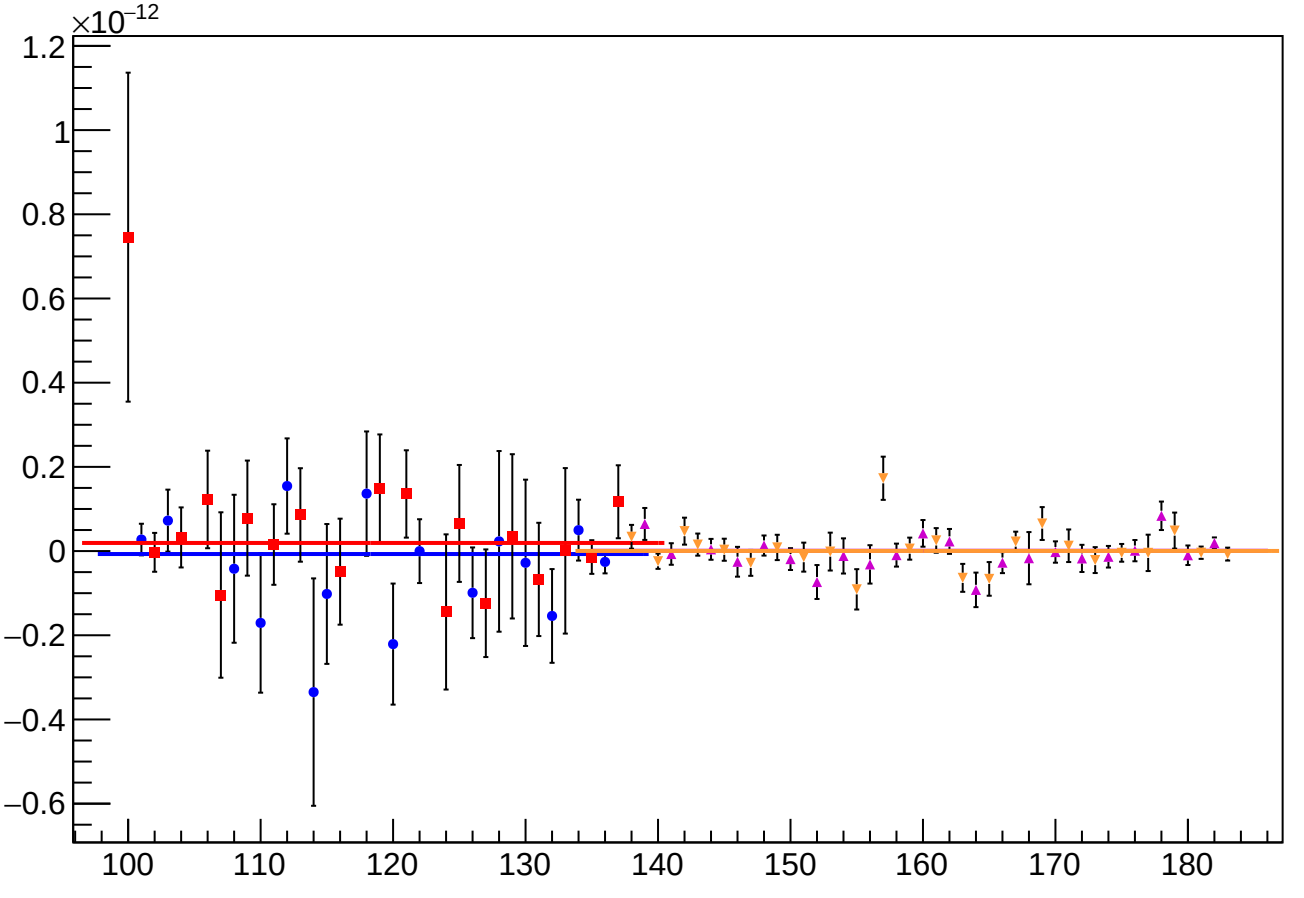
Left: 116.328+/-0.014 χ^2/NDF: 2739470.9/45

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

In: 113.949+/-0.017 χ^2/NDF:1472033.3/37

Out: 115.005+/-0.016 χ^2/NDF:1947180.2/42

All: 114.484+/-0.012 χ^2/NDF: 3421260.1/80



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

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/23

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

Left In: 0.000+/-0.000 χ^2/NDF:25.9/21

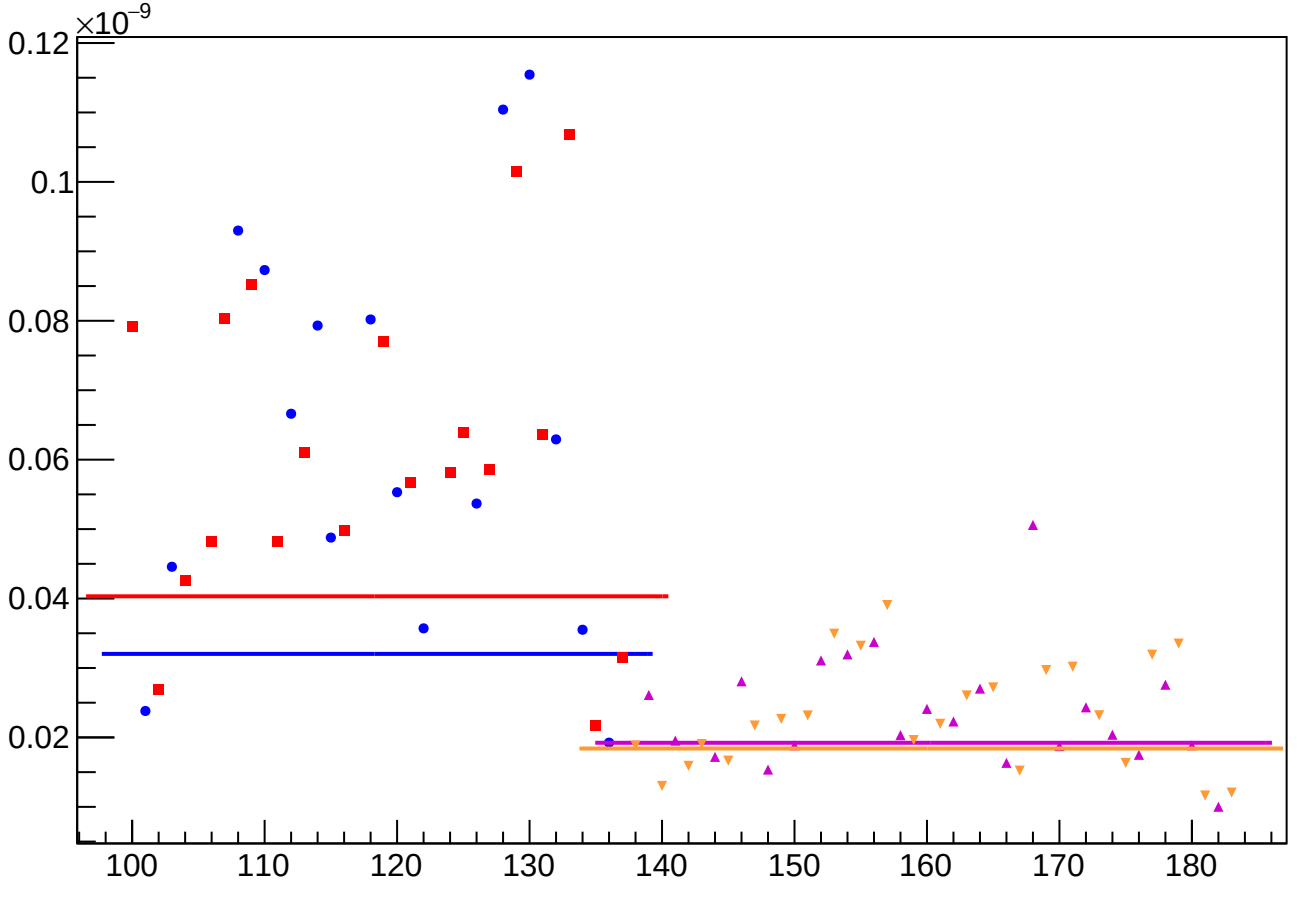
Left: 0.000+/-0.000 χ^2/NDF: 60.9/45

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:48.3/42

All: 0.000+/-0.000 χ^2/NDF: 88.1/80



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2995215.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2631492.6/21

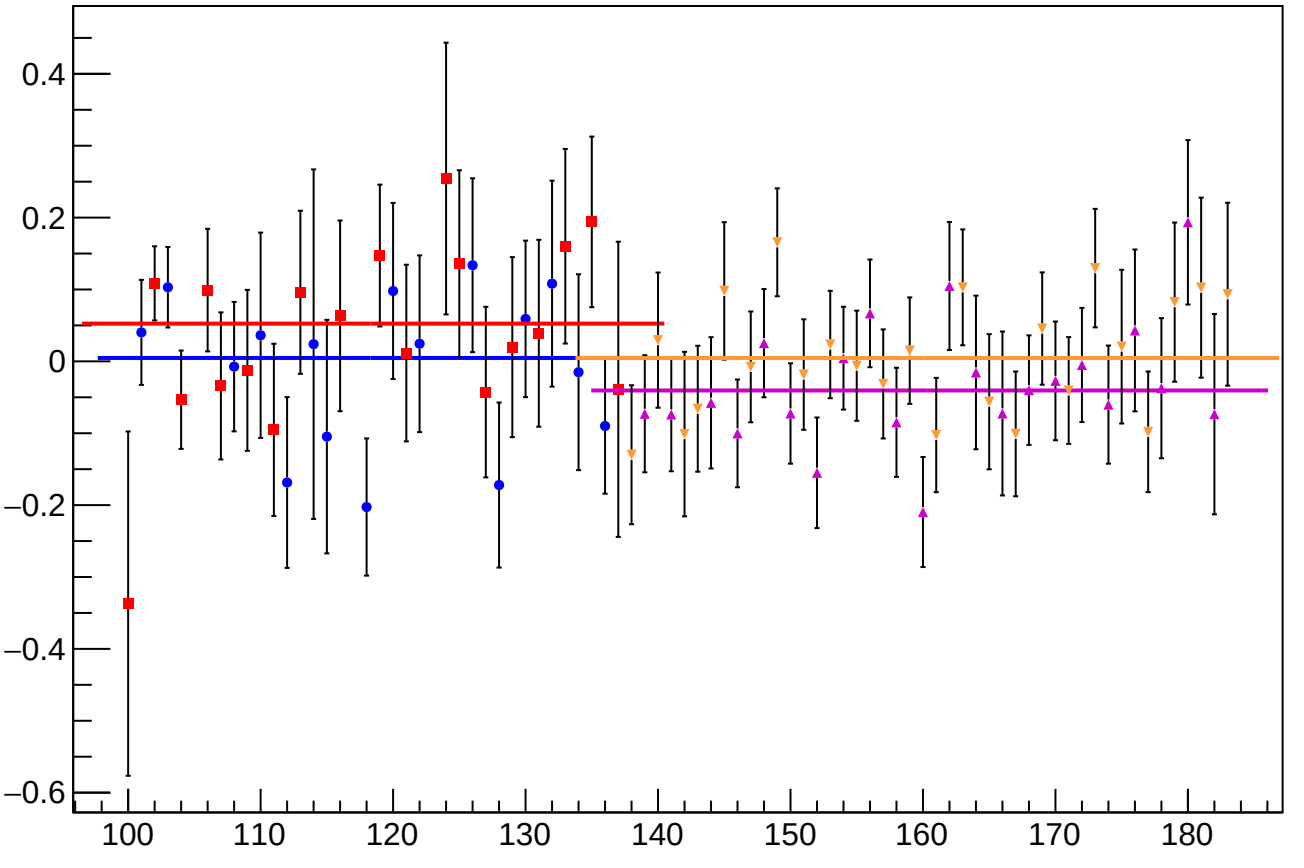
Left: 0.000+/-0.000 χ^2/NDF: 5647949.6/45

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:6879180.8/42

All: 0.000+/-0.000 χ^2/NDF: 12907801.2/80



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.005+/-0.018 χ^2/NDF:20.8/23

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.040+/-0.018 χ^2/NDF:19.7/21

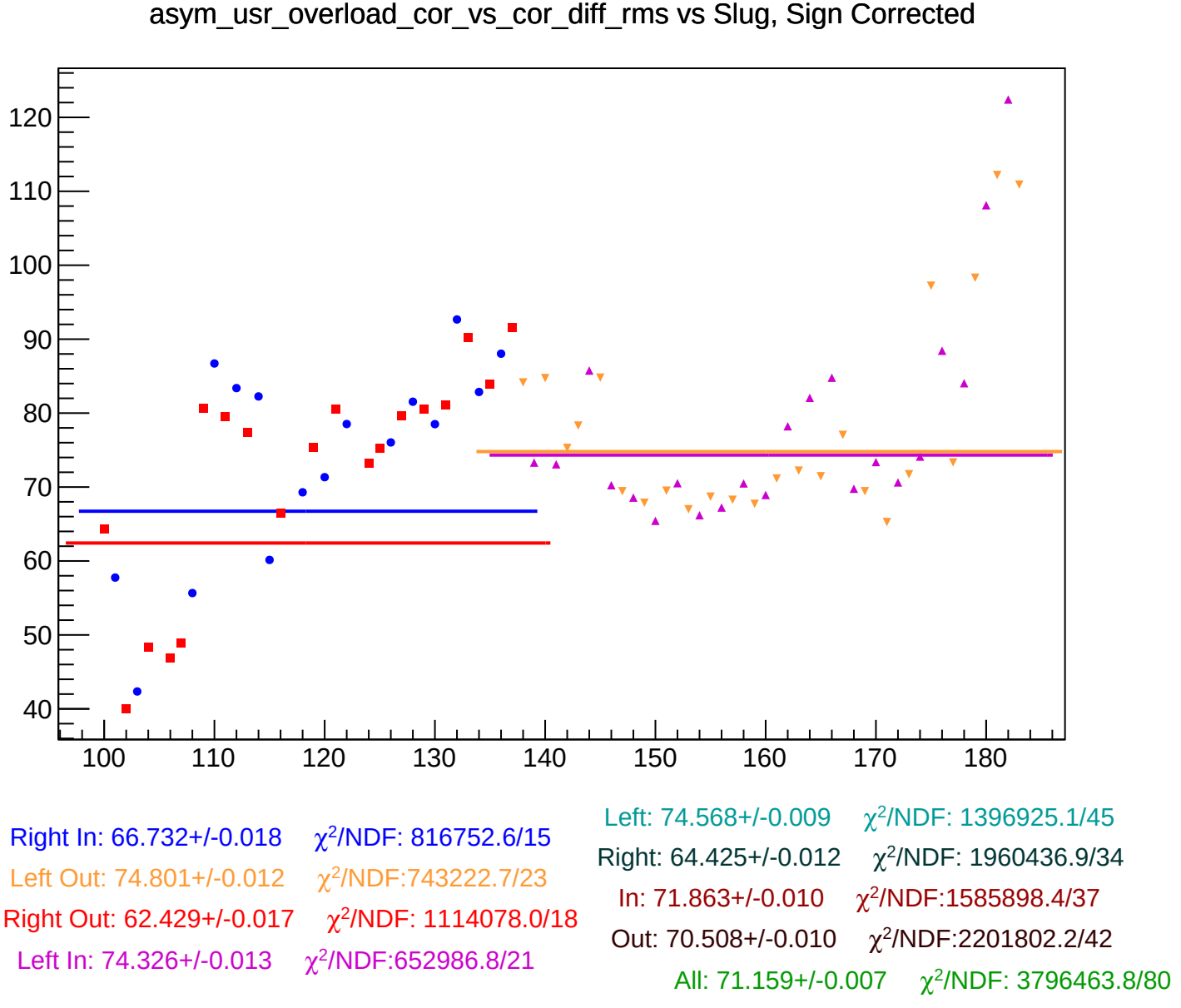
Left: -0.017+/-0.013 χ^2/NDF: 43.7/45

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

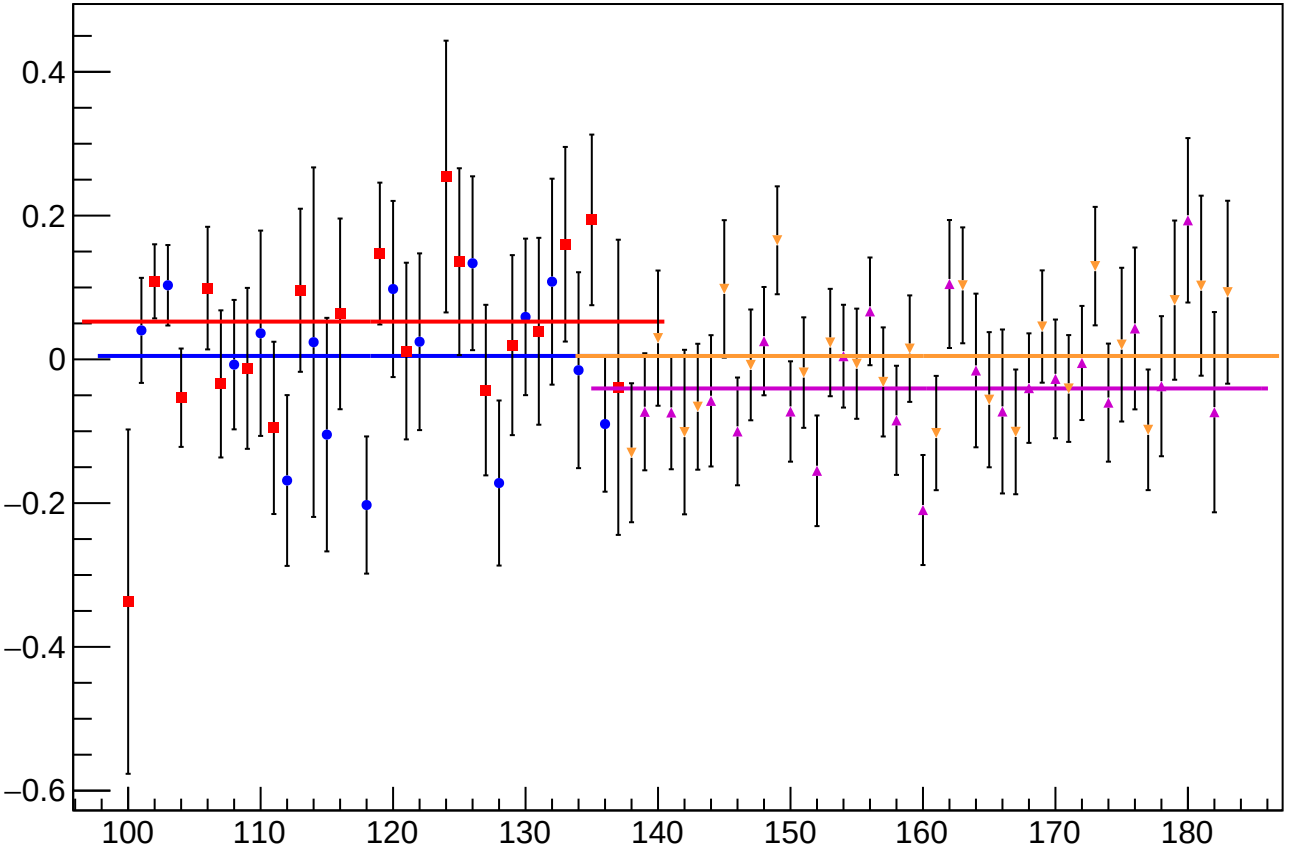
In: -0.026+/-0.015 χ^2/NDF:38.4/37

Out: 0.021+/-0.014 χ^2/NDF:38.2/42

All: -0.001+/-0.010 χ^2/NDF: 81.9/80


asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
120
110
100
90
80
70
60
50
40
100
110
120
130
140
150
160
170
180
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 74.801+/-0.012 χ²/NDF:743222.7/23
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 74.326+/-0.013 χ²/NDF:652986.8/21
Left: 74.568+/-0.009 χ²/NDF: 1396925.1/45
Right: 64.425+/-0.012 χ²/NDF: 1960436.9/34
In: 71.863+/-0.010 χ²/NDF:1585898.4/37
Out: 70.508+/-0.010 χ²/NDF:2201802.2/42
All: 71.159+/-0.007 χ²/NDF: 3796463.8/80

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.005+/-0.018 χ^2/NDF:20.8/23

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.040+/-0.018 χ^2/NDF:19.7/21

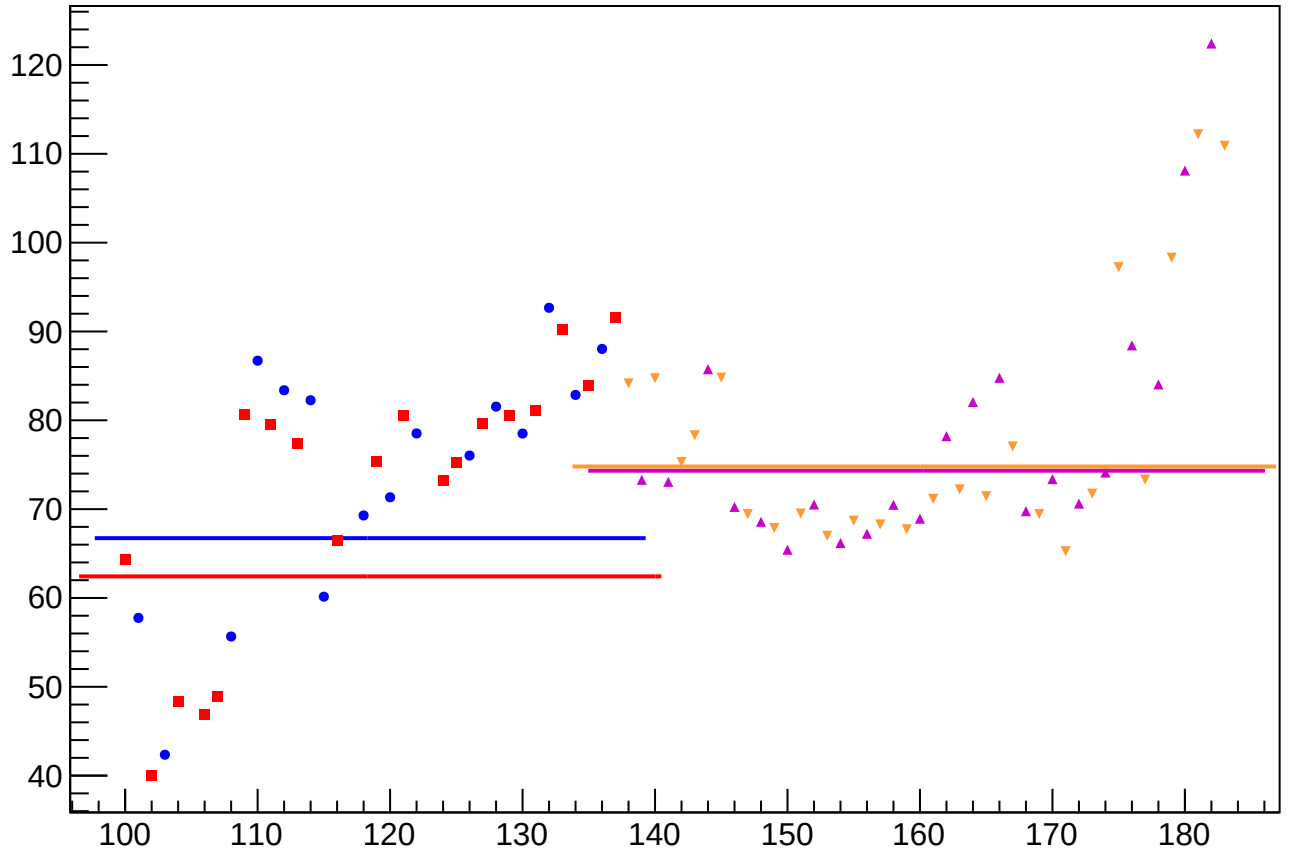
Left: -0.017+/-0.013 χ^2/NDF: 43.7/45

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.026+/-0.015 χ^2/NDF:38.4/37

Out: 0.021+/-0.014 χ^2/NDF:38.2/42

All: -0.001+/-0.010 χ^2/NDF: 81.9/80



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 74.801+/-0.012 χ^2/NDF:743222.7/23

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 74.326+/-0.013 χ^2/NDF:652986.8/21

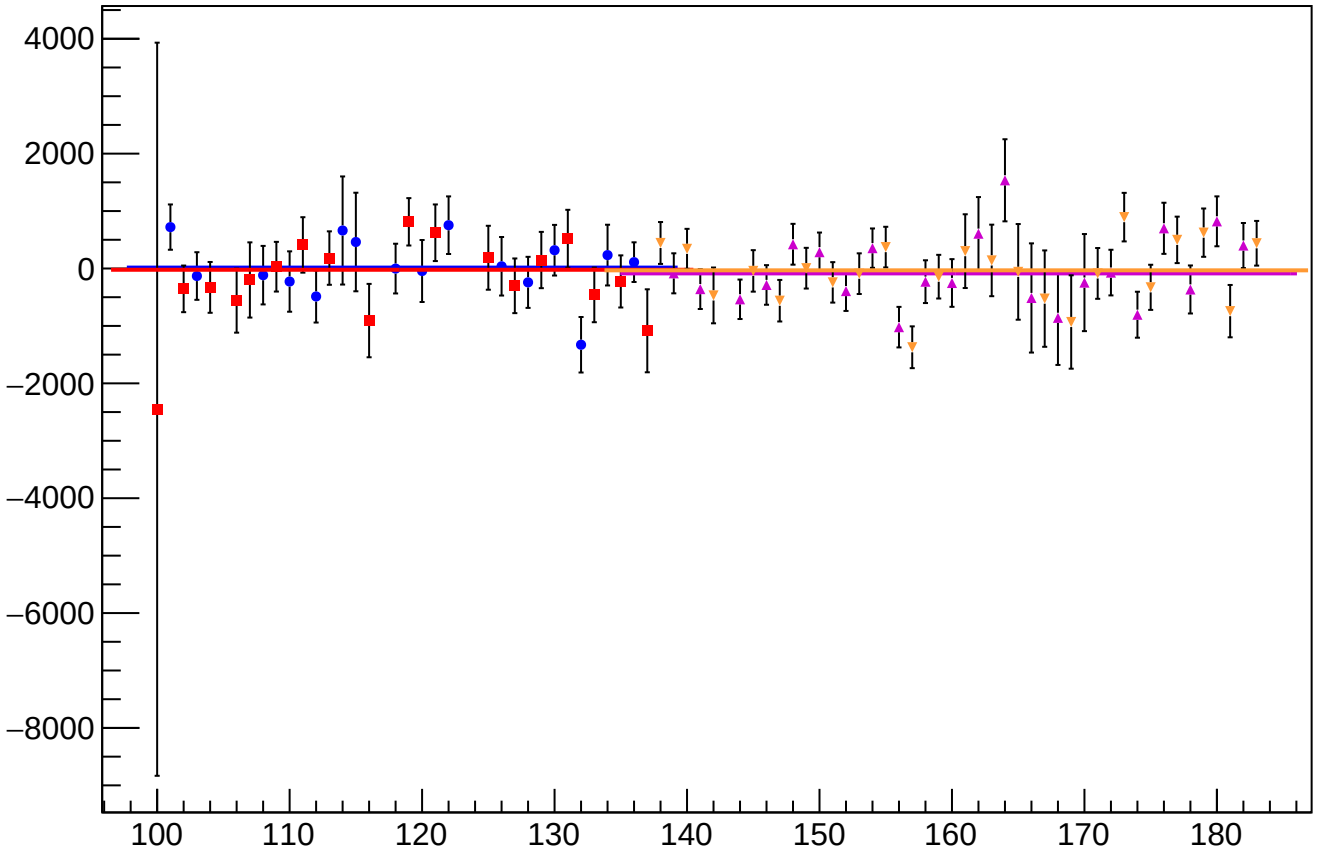
Left: 74.568+/-0.009 χ^2/NDF: 1396925.1/45

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

In: 71.863+/-0.010 χ^2/NDF:1585898.4/37

Out: 70.508+/-0.010 χ^2/NDF:2201802.2/42

All: 71.159+/-0.007 χ^2/NDF: 3796463.8/80



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -32.112+/-87.201 χ^2/NDF:36.5/22

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: -58.709+/-61.674 χ^2/NDF: 72.5/44

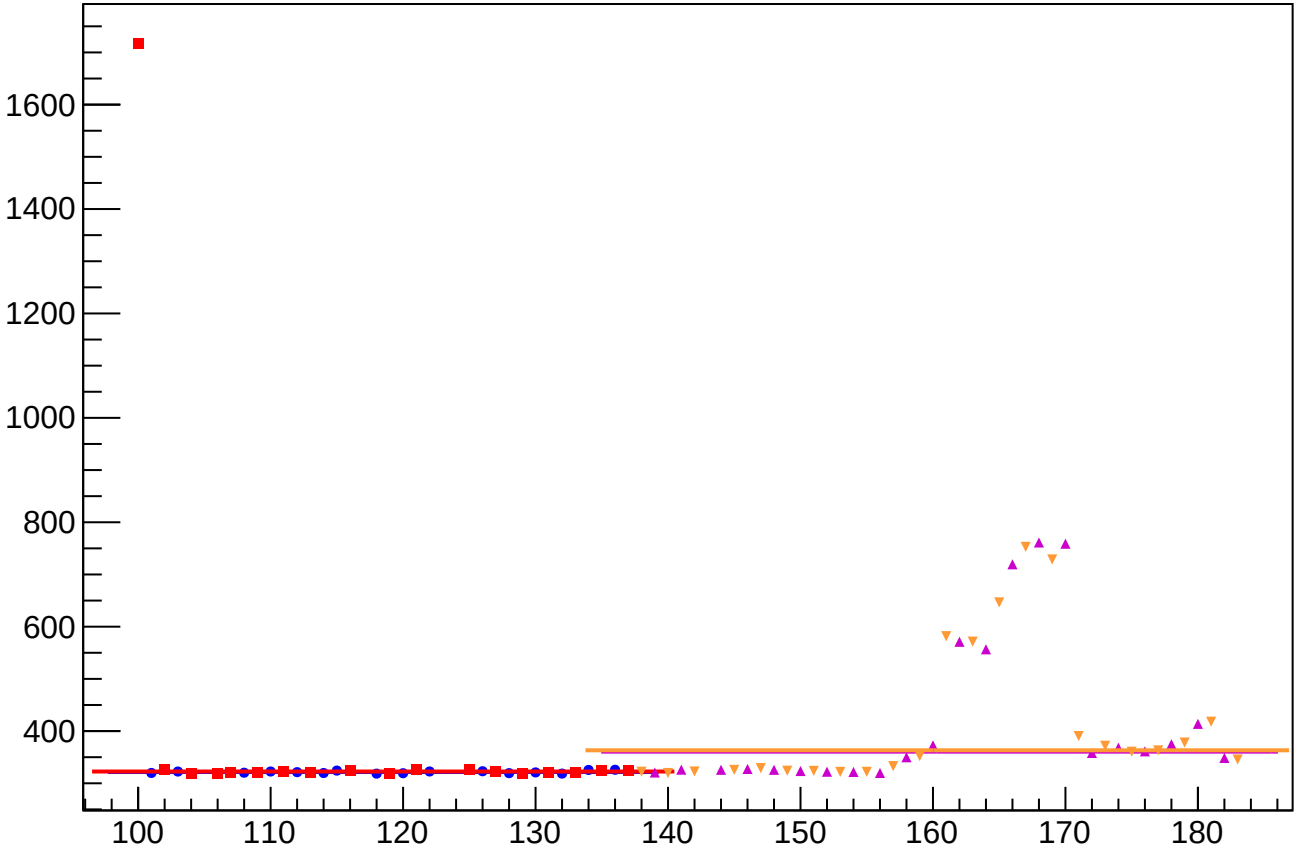
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -50.242+/-70.446 χ^2/NDF:52.8/37

Out: -28.638+/-70.382 χ^2/NDF:52.5/40

All: -39.430+/-49.790 χ^2/NDF: 105.3/78

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 363.193+/-0.062 χ^2/NDF:1795347.9/22

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: 361.916+/-0.044 χ^2/NDF: 3613856.9/44

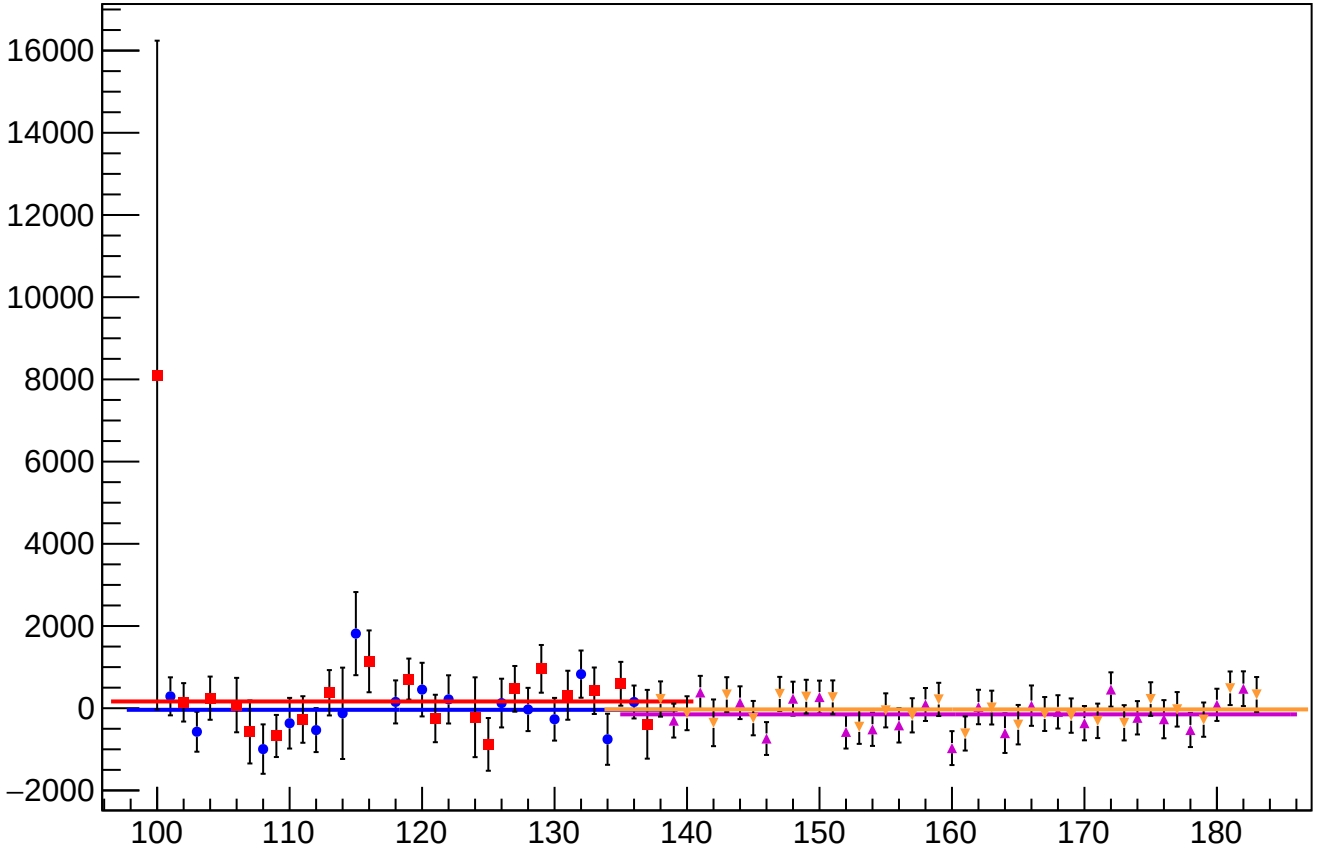
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 347.057+/-0.050 χ^2/NDF:1957777.9/37

Out: 349.027+/-0.050 χ^2/NDF:2043657.1/40

All: 348.043+/-0.035 χ^2/NDF: 4002218.1/78

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -28.609+/-86.193 χ^2/NDF:12.0/23

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: -87.221+/-61.820 χ^2/NDF: 33.3/45

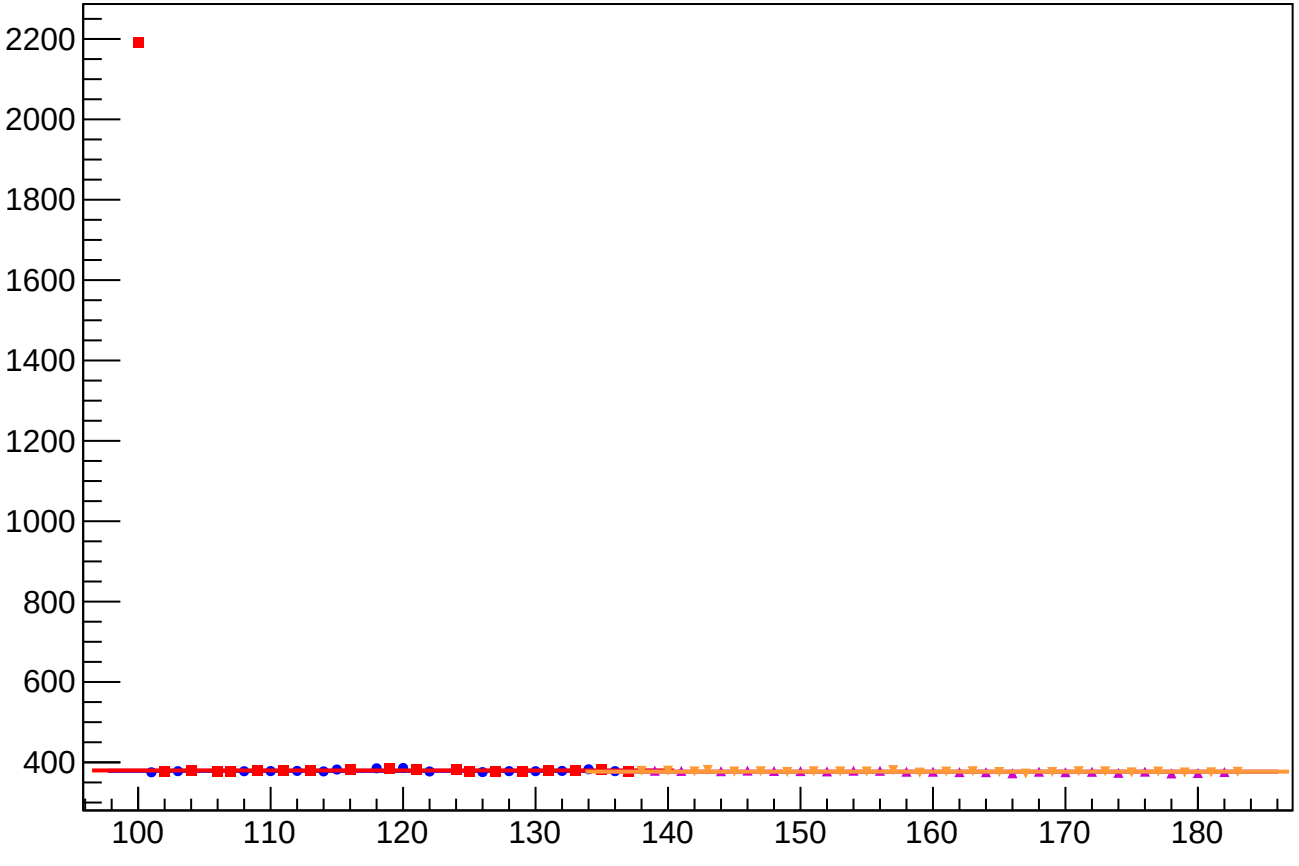
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -117.915+/-75.046 χ^2/NDF:34.5/37

Out: 25.082+/-73.247 χ^2/NDF:28.5/42

All: -44.682+/-52.418 χ^2/NDF: 64.9/80

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 376.882+/-0.061 χ^2/NDF:1047.2/23

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: 376.865+/-0.044 χ^2/NDF: 2121.4/45

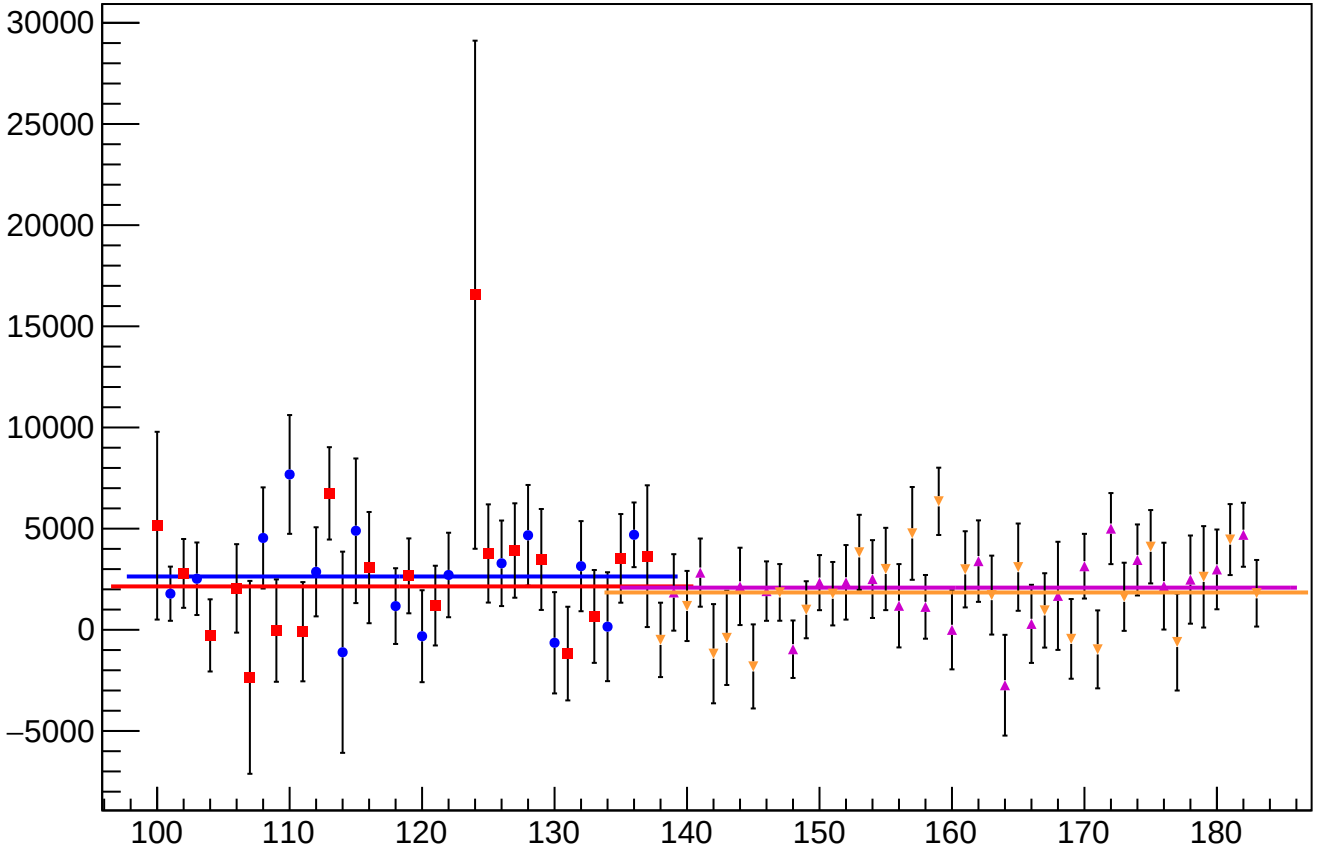
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 377.433+/-0.053 χ^2/NDF:2233.1/37

Out: 377.715+/-0.052 χ^2/NDF:101339.7/42

All: 377.577+/-0.037 χ^2/NDF: 103587.2/80

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1845.169+/-378.460 χ^2/NDF:27.5/23

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: 1963.406+/-269.259 χ^2/NDF: 46.1/45

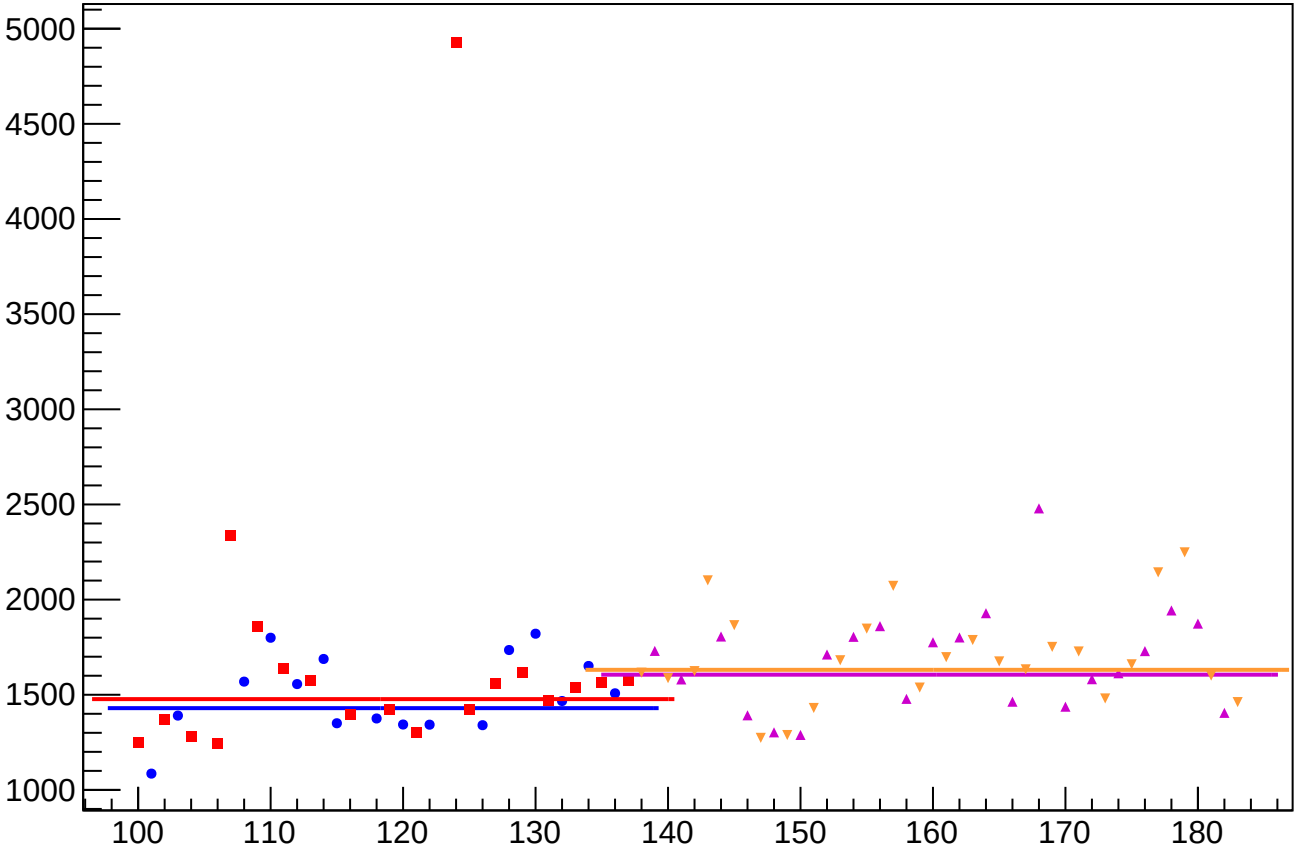
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

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

Out: 1942.103+/-311.222 χ^2/NDF:42.7/42

All: 2105.558+/-220.379 χ^2/NDF: 74.7/80

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1631.022+/-0.268 χ^2/NDF:773681.7/23

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: 1618.457+/-0.190 χ^2/NDF: 1561240.0/45

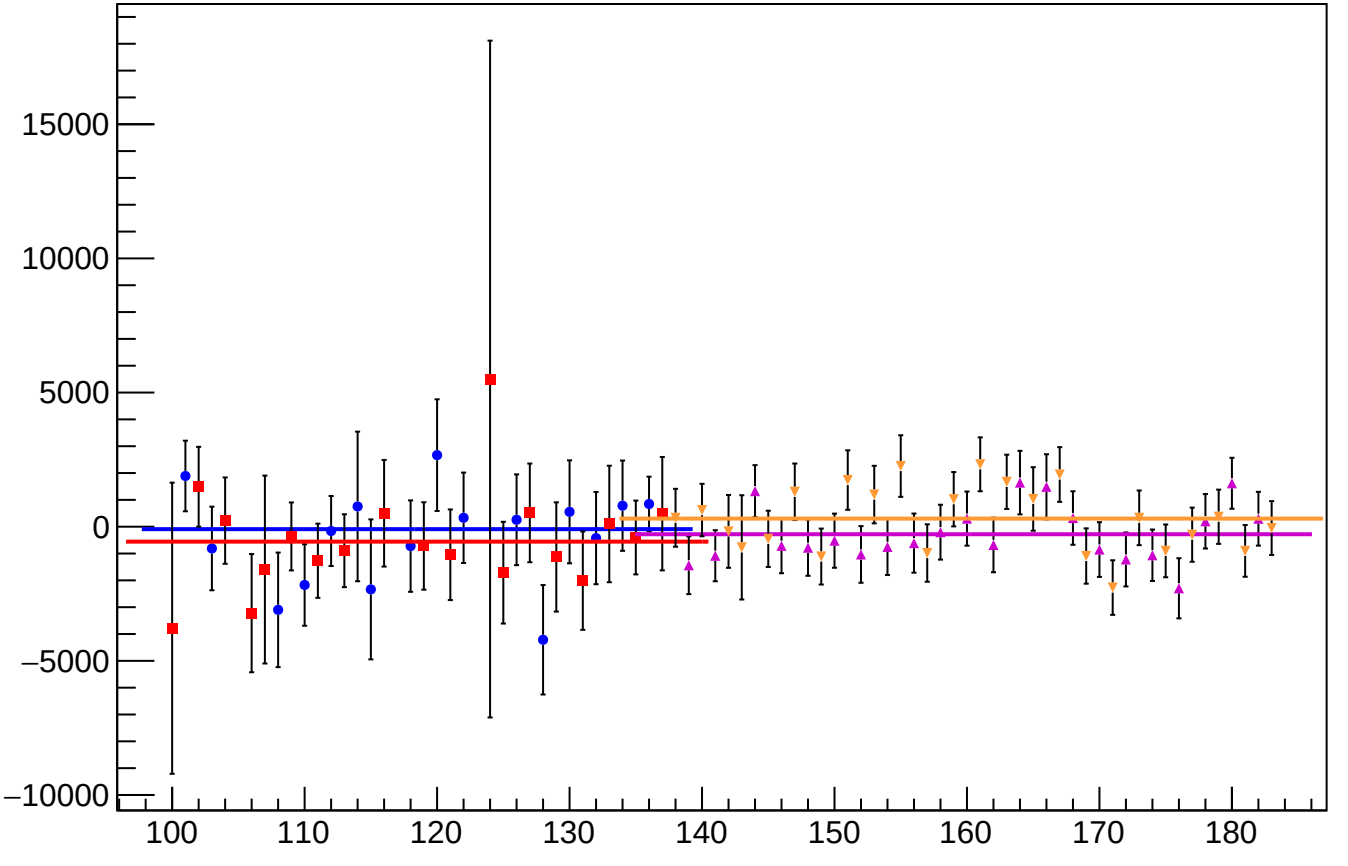
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

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

Out: 1581.196+/-0.220 χ^2/NDF:1250182.5/42

All: 1563.837+/-0.156 χ^2/NDF: 2481017.4/80

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 302.419+/-216.612 χ^2/NDF:31.7/23

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: 14.815+/-154.234 χ^2/NDF: 56.4/45

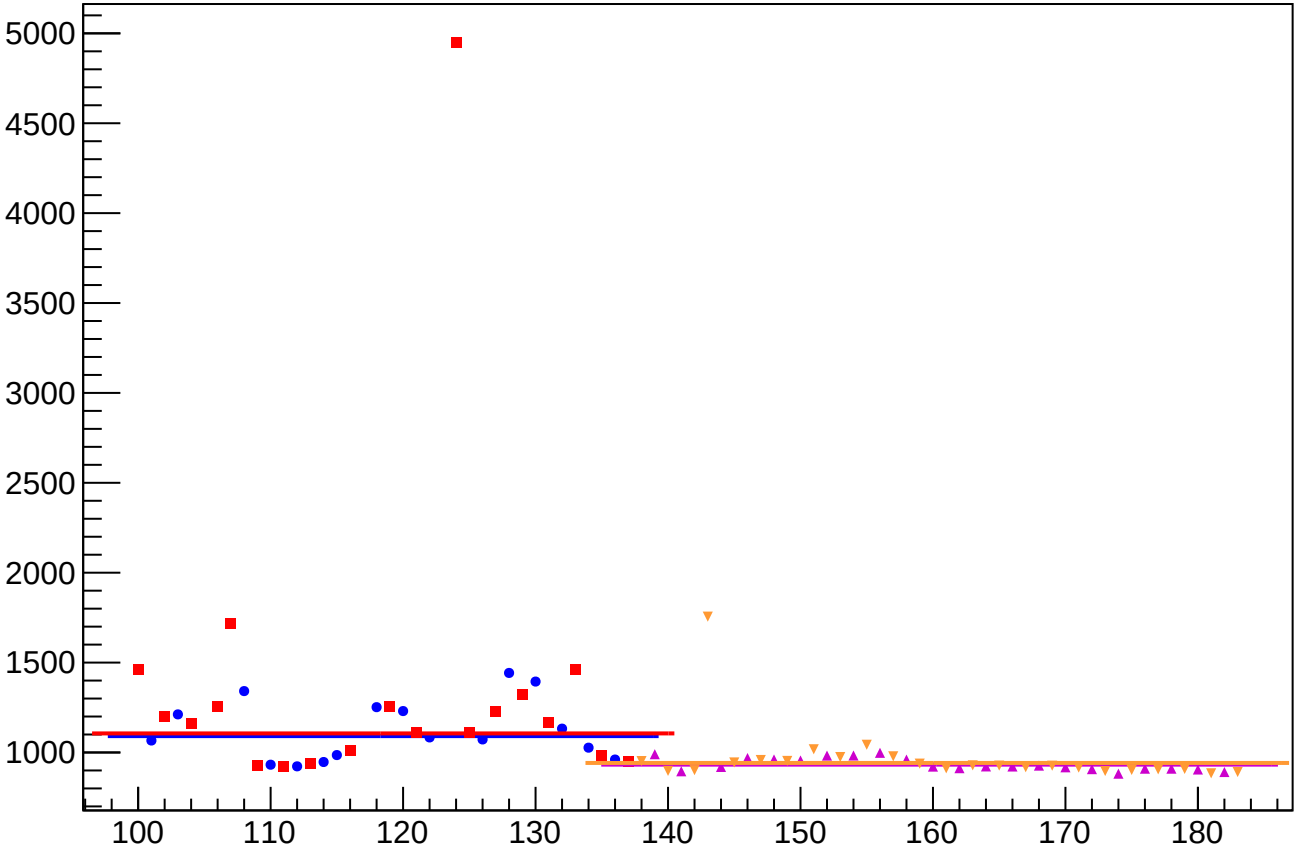
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

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

Out: 115.875+/-191.662 χ^2/NDF:41.8/42

All: -59.584+/-136.212 χ^2/NDF: 79.4/80

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 941.820+/-0.153 χ^2/NDF:415883.2/23

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: 937.157+/-0.109 χ^2/NDF: 465196.1/45

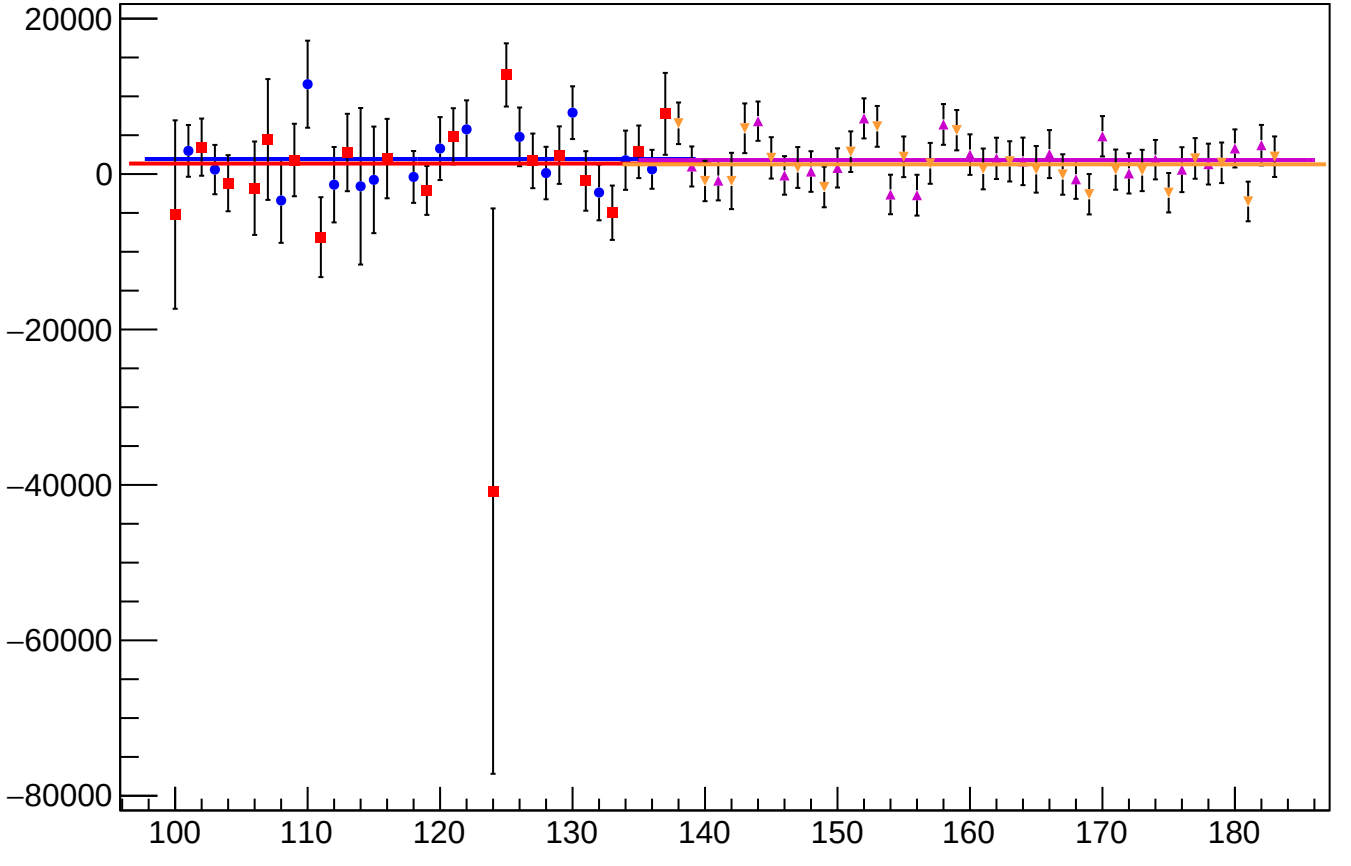
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

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

Out: 977.473+/-0.136 χ^2/NDF:1179559.6/42

All: 972.664+/-0.096 χ^2/NDF: 1739640.1/80

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1254.120+/-545.131 χ^2/NDF:23.8/23

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: 1522.555+/-389.938 χ^2/NDF: 47.9/45

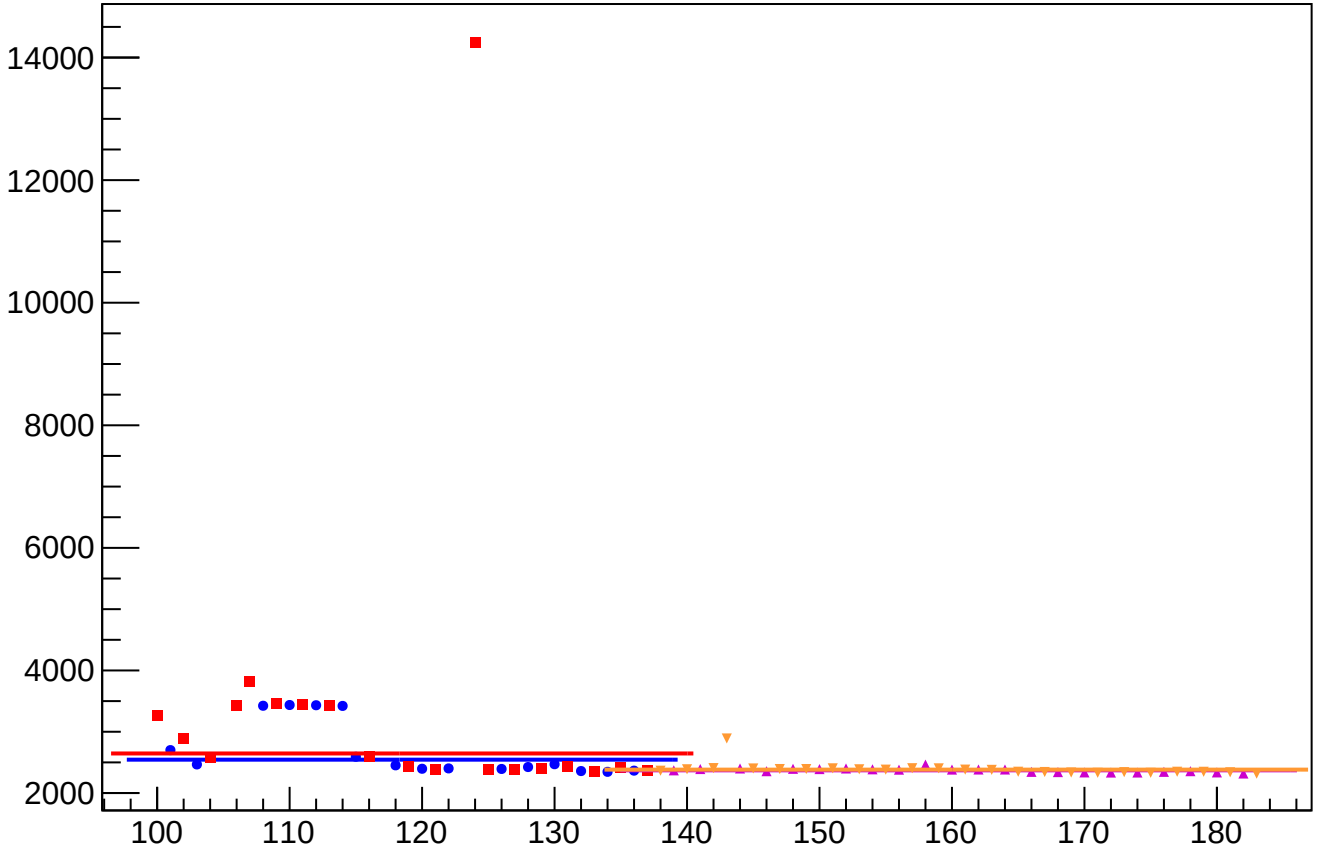
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1838.527+/-481.474 χ^2/NDF:35.9/37

Out: 1277.400+/-476.973 χ^2/NDF:45.6/42

All: 1555.328+/-338.851 χ^2/NDF: 82.2/80

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2382.014+/-0.385 χ^2/NDF:57332.6/23

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2370.273+/-0.395 χ^2/NDF:6735.1/21

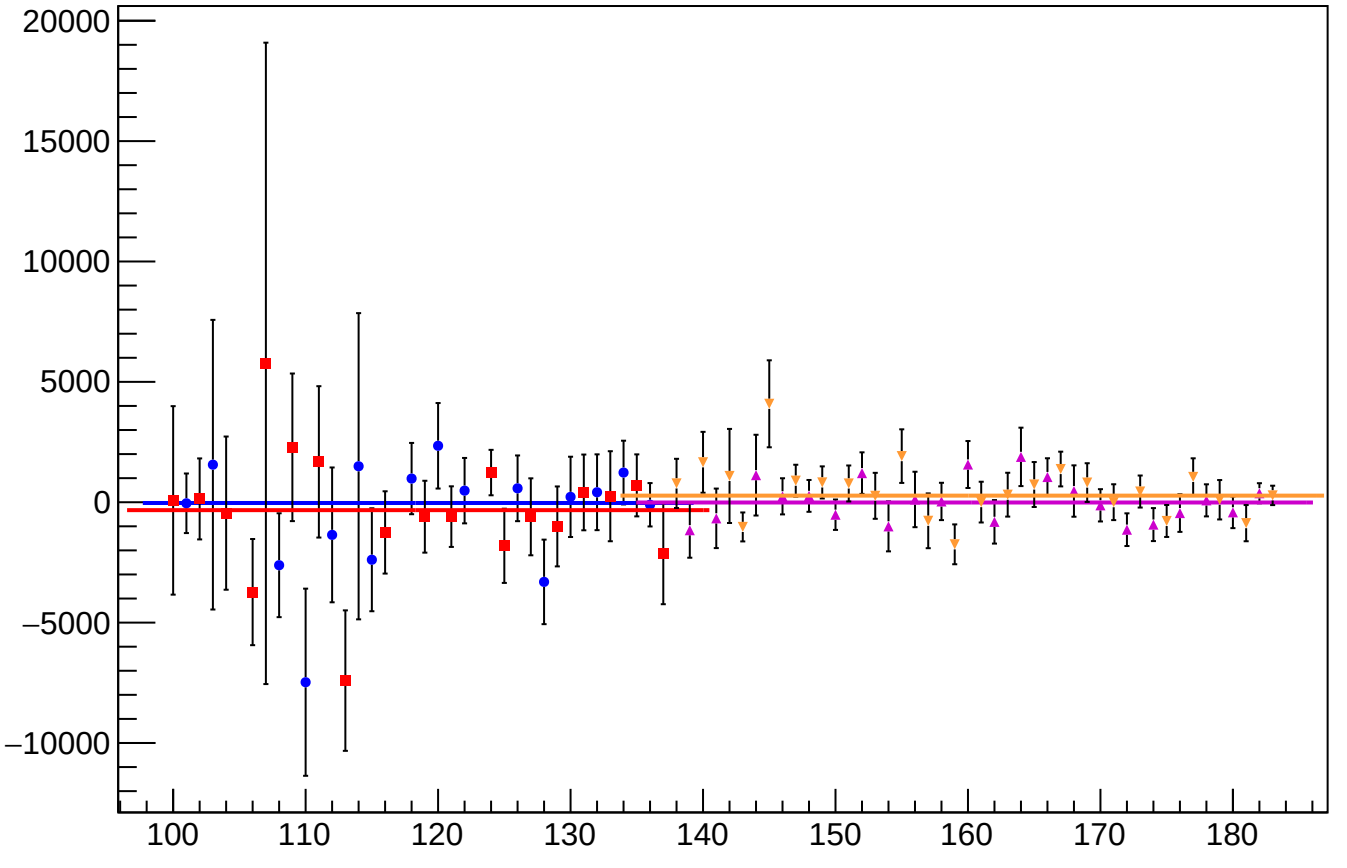
Left: 2376.280+/-0.276 χ^2/NDF: 64520.8/45

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2414.765+/-0.340 χ^2/NDF:282116.8/37

Out: 2443.817+/-0.337 χ^2/NDF:703954.9/42

All: 2429.428+/-0.240 χ^2/NDF: 989746.6/80



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 274.591+/-158.050 χ^2/NDF:31.0/23

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -10.902+/-164.449 χ^2/NDF:19.7/21

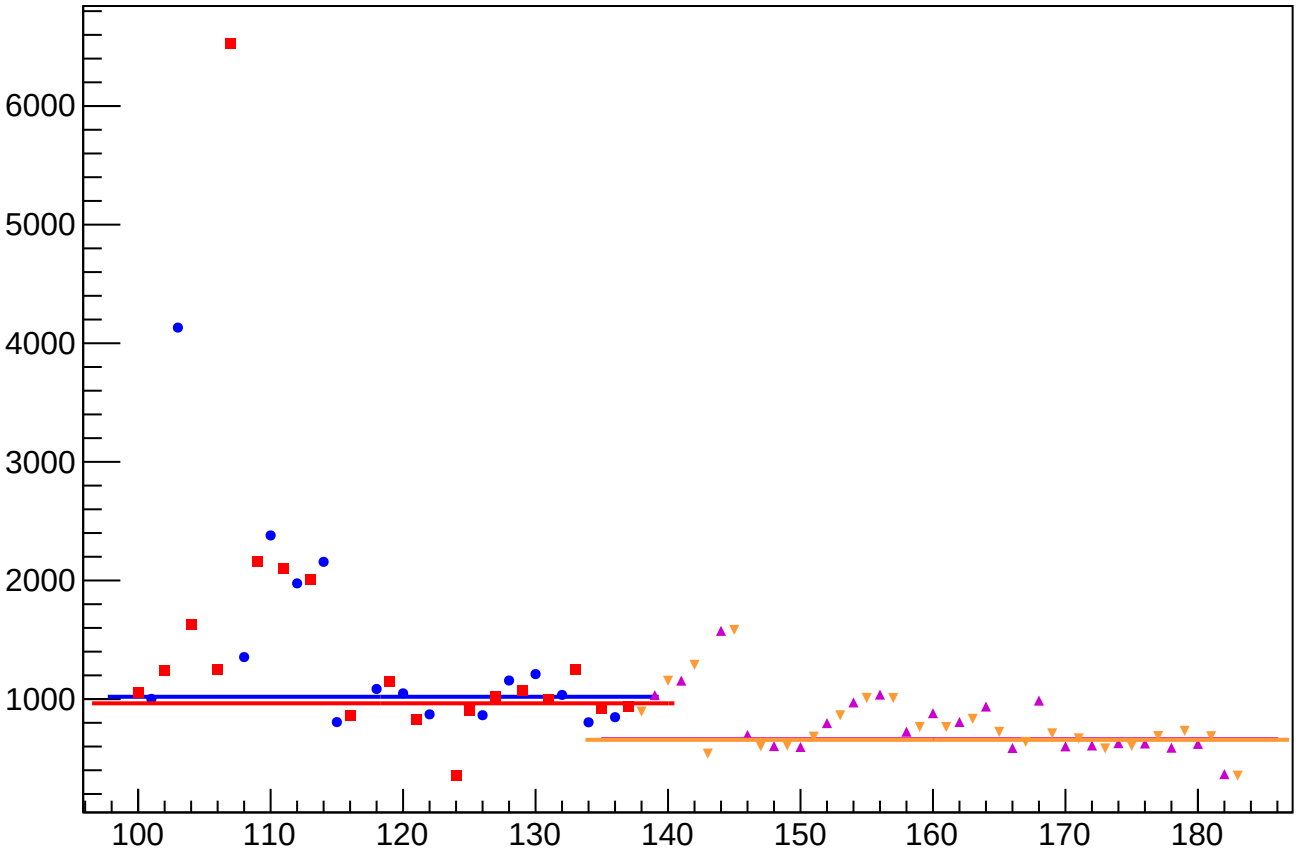
Left: 137.508+/-113.953 χ^2/NDF: 52.2/45

Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -13.765+/-152.406 χ^2/NDF:33.4/37

Out: 192.646+/-146.920 χ^2/NDF:48.6/42

All: 93.223+/-105.774 χ^2/NDF: 83.0/80



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 656.717+/-0.112 χ^2/NDF:3090789.1/23

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: 659.246+/-0.081 χ^2/NDF: 6232539.3/45

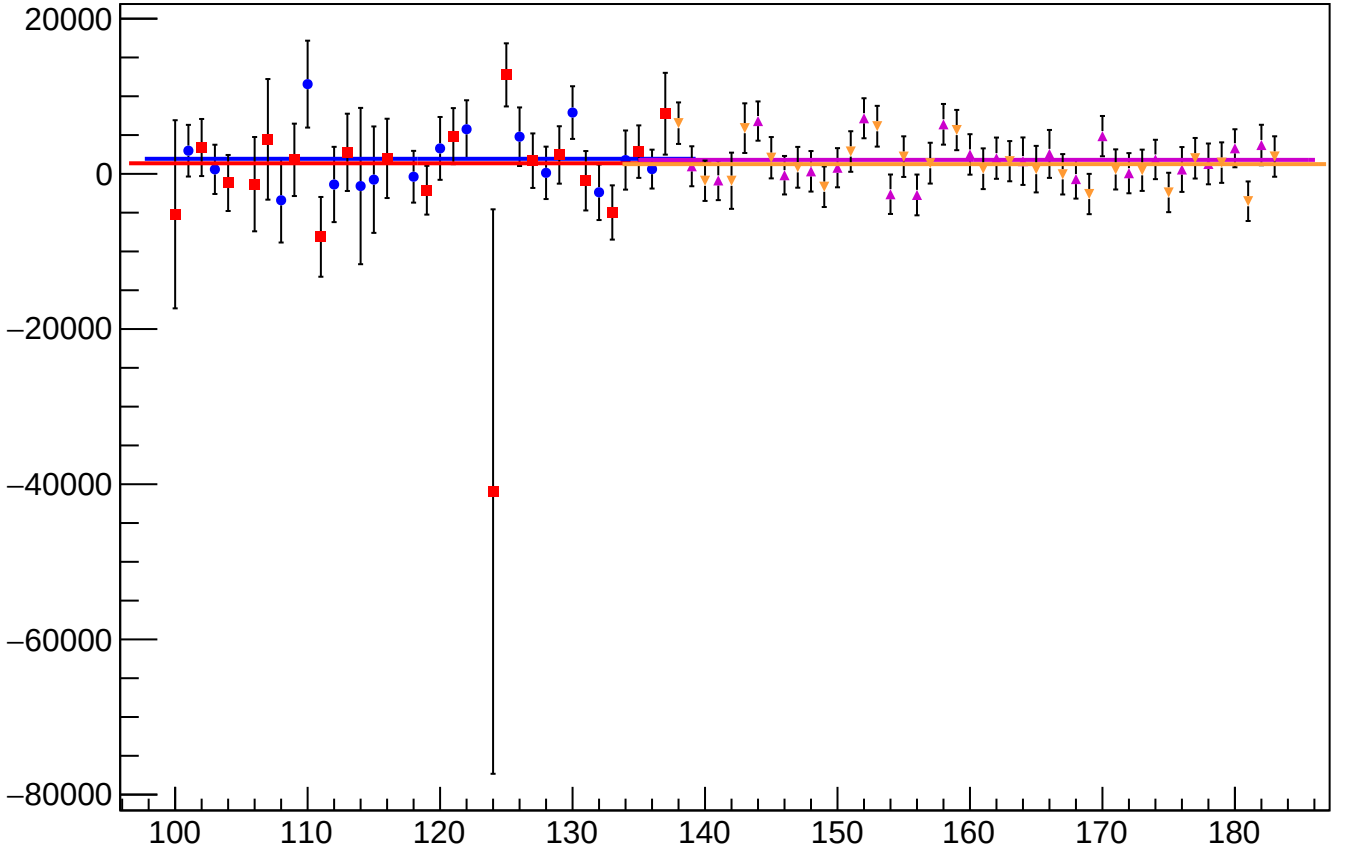
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 712.434+/-0.108 χ^2/NDF:5839414.2/37

Out: 698.522+/-0.104 χ^2/NDF:6429935.1/42

All: 705.223+/-0.075 χ^2/NDF: 12277987.1/80

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1254.081+/-545.131 χ^2/NDF:23.8/23

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: 1522.556+/-389.938 χ^2/NDF: 47.9/45

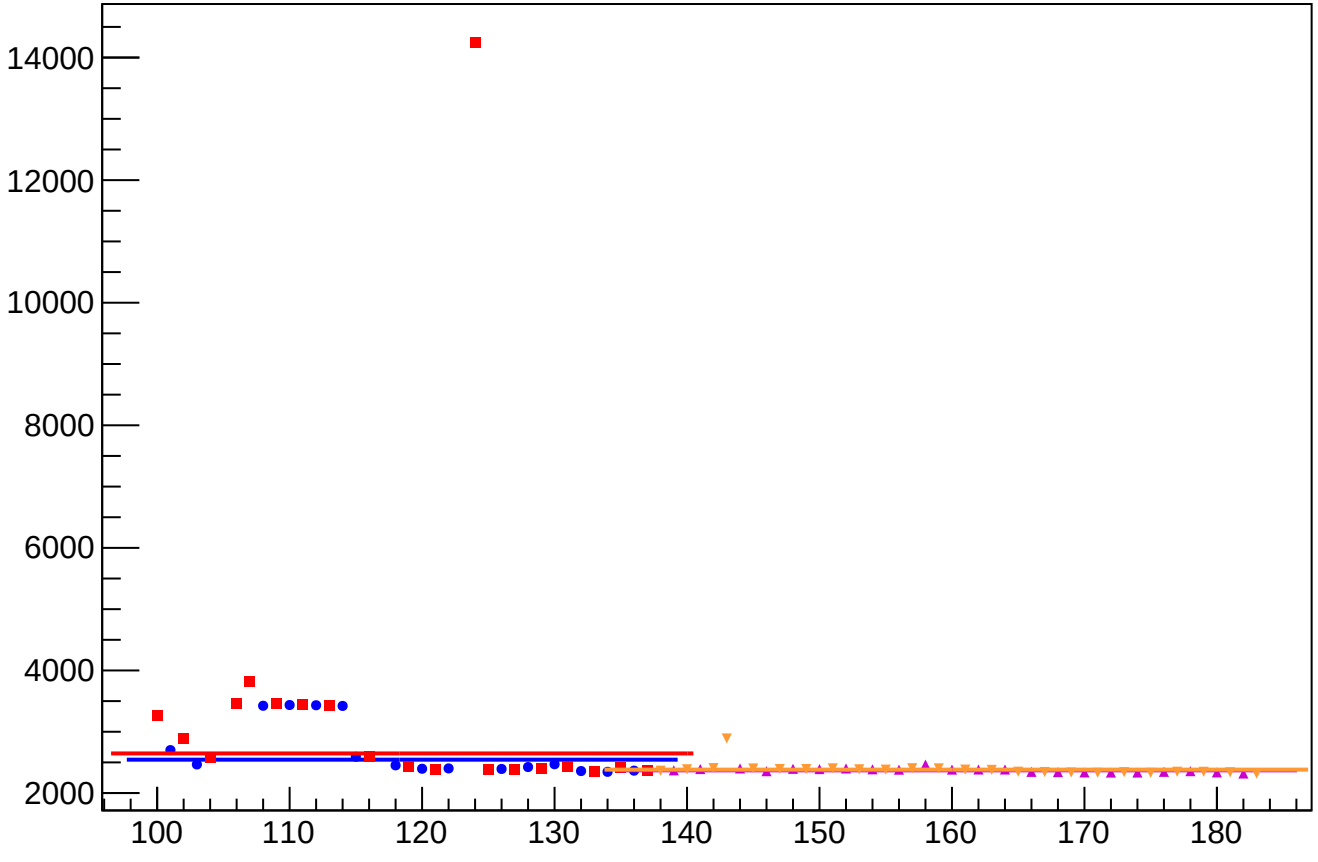
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1838.647+/-481.474 χ^2/NDF:35.9/37

Out: 1279.624+/-477.007 χ^2/NDF:45.5/42

All: 1556.530+/-338.863 χ^2/NDF: 82.1/80

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2382.014+/-0.385 χ^2/NDF:57332.6/23

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2370.273+/-0.395 χ^2/NDF:6735.1/21

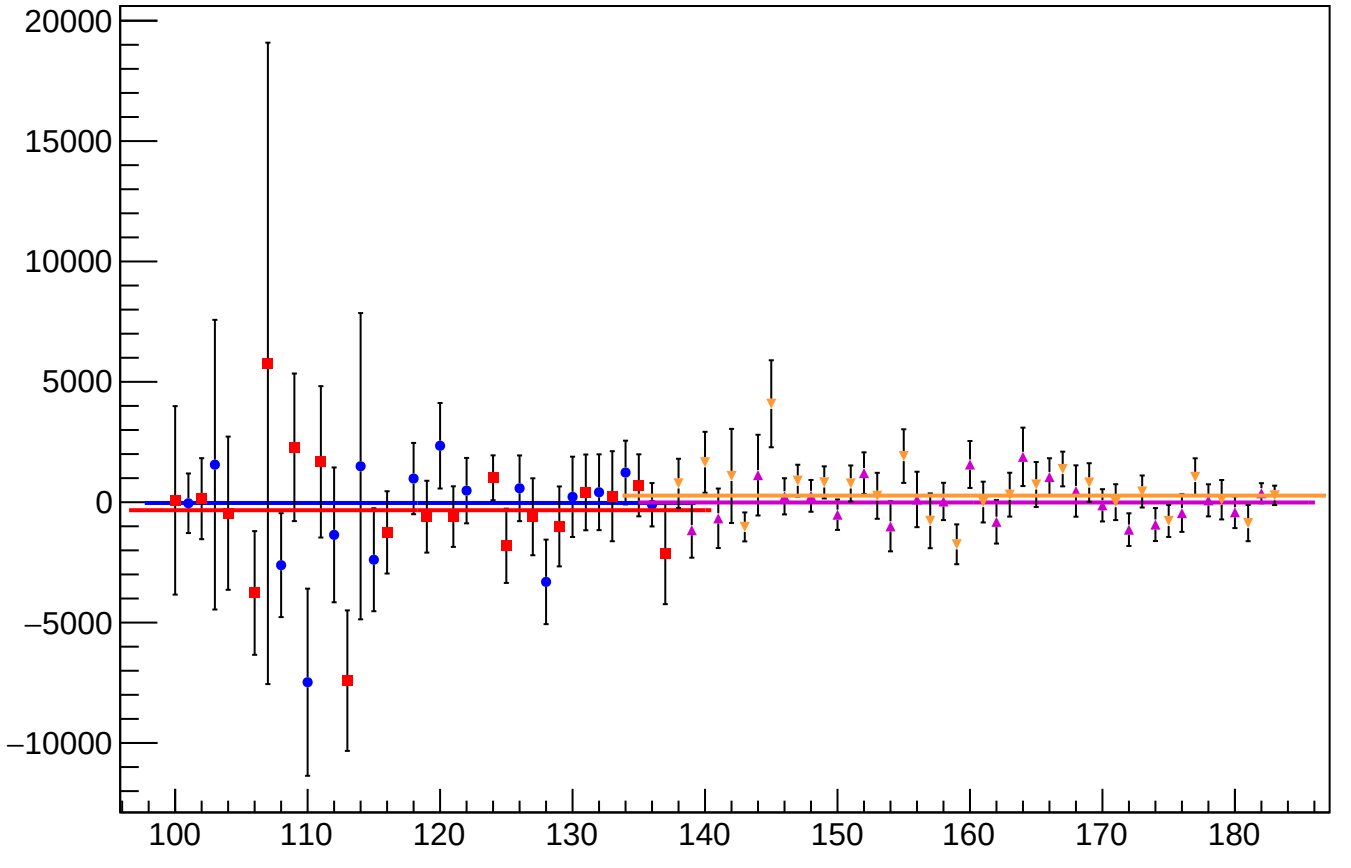
Left: 2376.280+/-0.276 χ^2/NDF: 64520.8/45

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2414.765+/-0.340 χ^2/NDF:282116.8/37

Out: 2443.918+/-0.337 χ^2/NDF:706948.3/42

All: 2429.478+/-0.240 χ^2/NDF: 992765.4/80



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 274.684+/-158.051 χ^2/NDF:31.0/23

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -10.838+/-164.447 χ^2/NDF:19.7/21

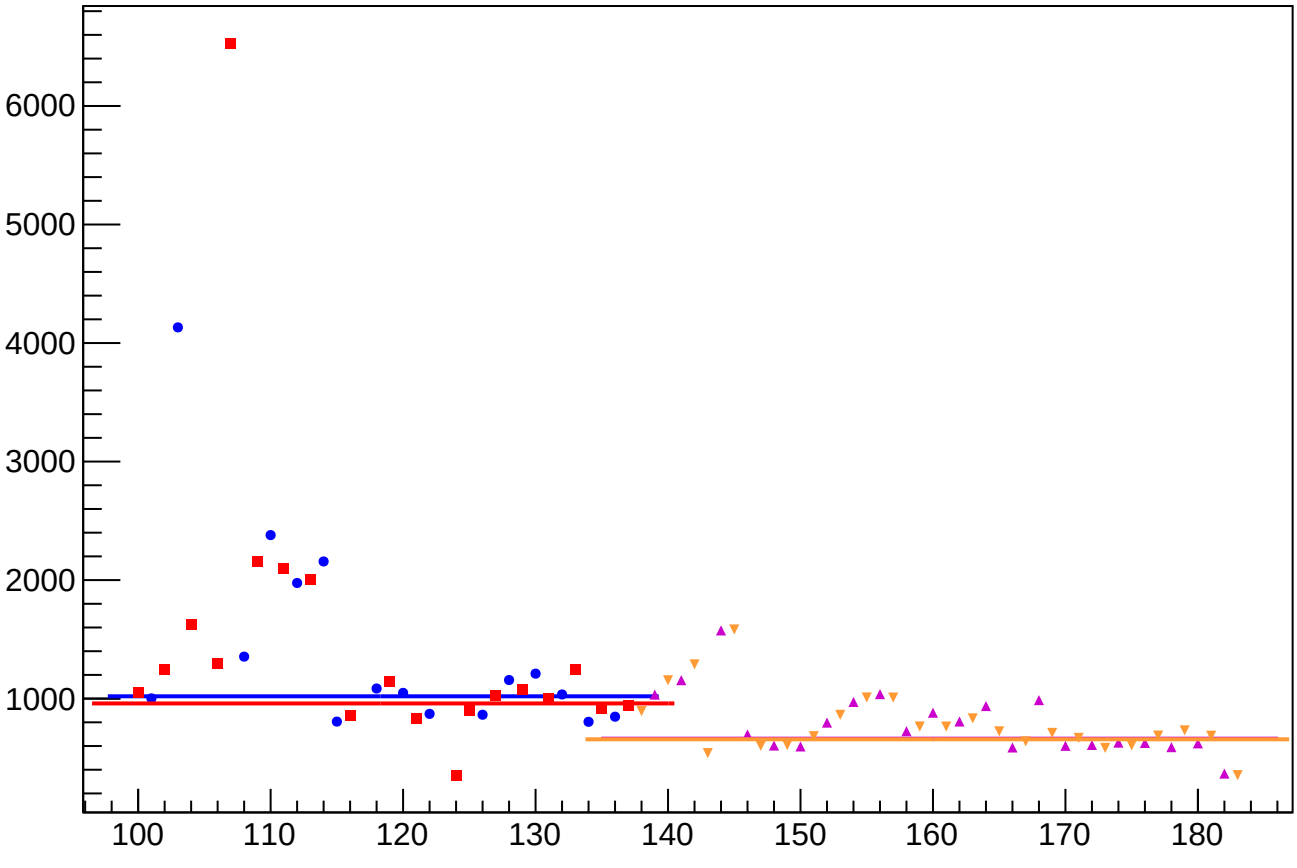
Left: 137.584+/-113.953 χ^2/NDF: 52.2/45

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -13.718+/-152.404 χ^2/NDF:33.4/37

Out: 192.525+/-146.959 χ^2/NDF:47.4/42

All: 93.153+/-105.789 χ^2/NDF: 81.8/80



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 656.725+/-0.112 χ^2/NDF:3090677.7/23

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 661.972+/-0.116 χ^2/NDF:3141131.5/21

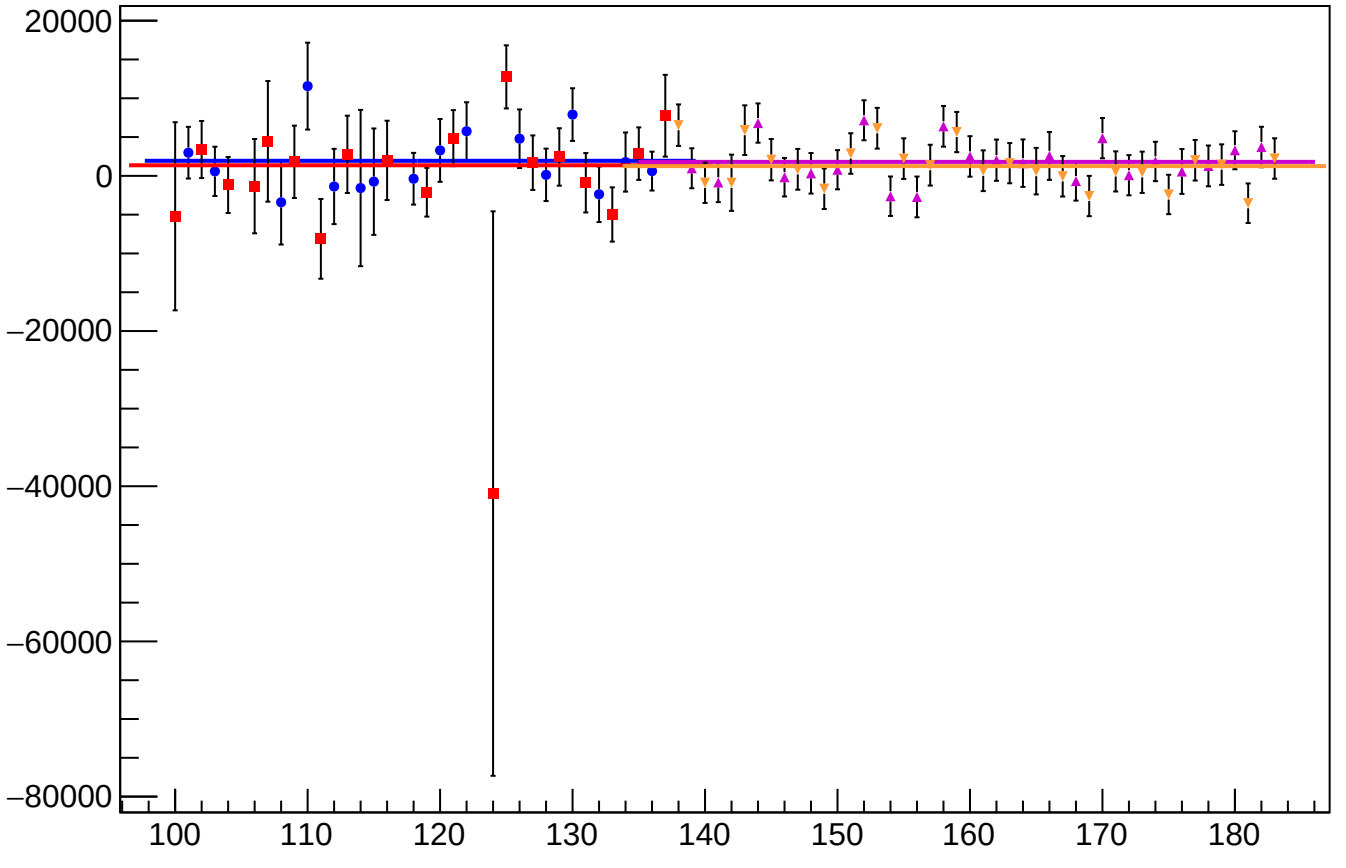
Left: 659.245+/-0.081 χ^2/NDF: 6232867.6/45

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 712.422+/-0.108 χ^2/NDF:5839901.4/37

Out: 697.710+/-0.104 χ^2/NDF:6428108.8/42

All: 704.799+/-0.075 χ^2/NDF: 12277668.5/80



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1254.081+/-545.131 χ^2/NDF:23.8/23

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: 1522.556+/-389.938 χ^2/NDF: 47.9/45

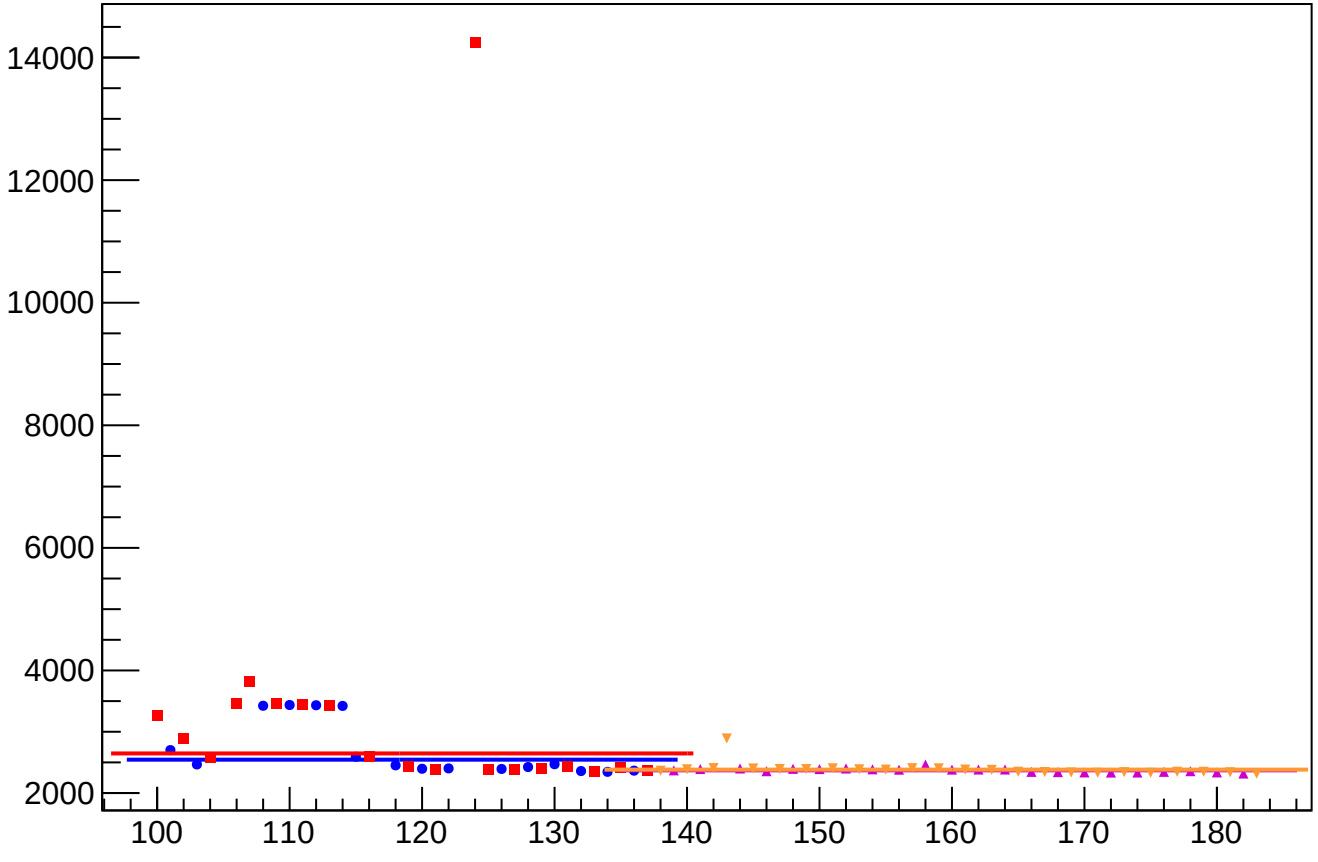
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1838.647+/-481.474 χ^2/NDF:35.9/37

Out: 1279.624+/-477.007 χ^2/NDF:45.5/42

All: 1556.530+/-338.863 χ^2/NDF: 82.1/80

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2382.014+/-0.385 χ^2/NDF:57332.6/23

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2370.273+/-0.395 χ^2/NDF:6735.1/21

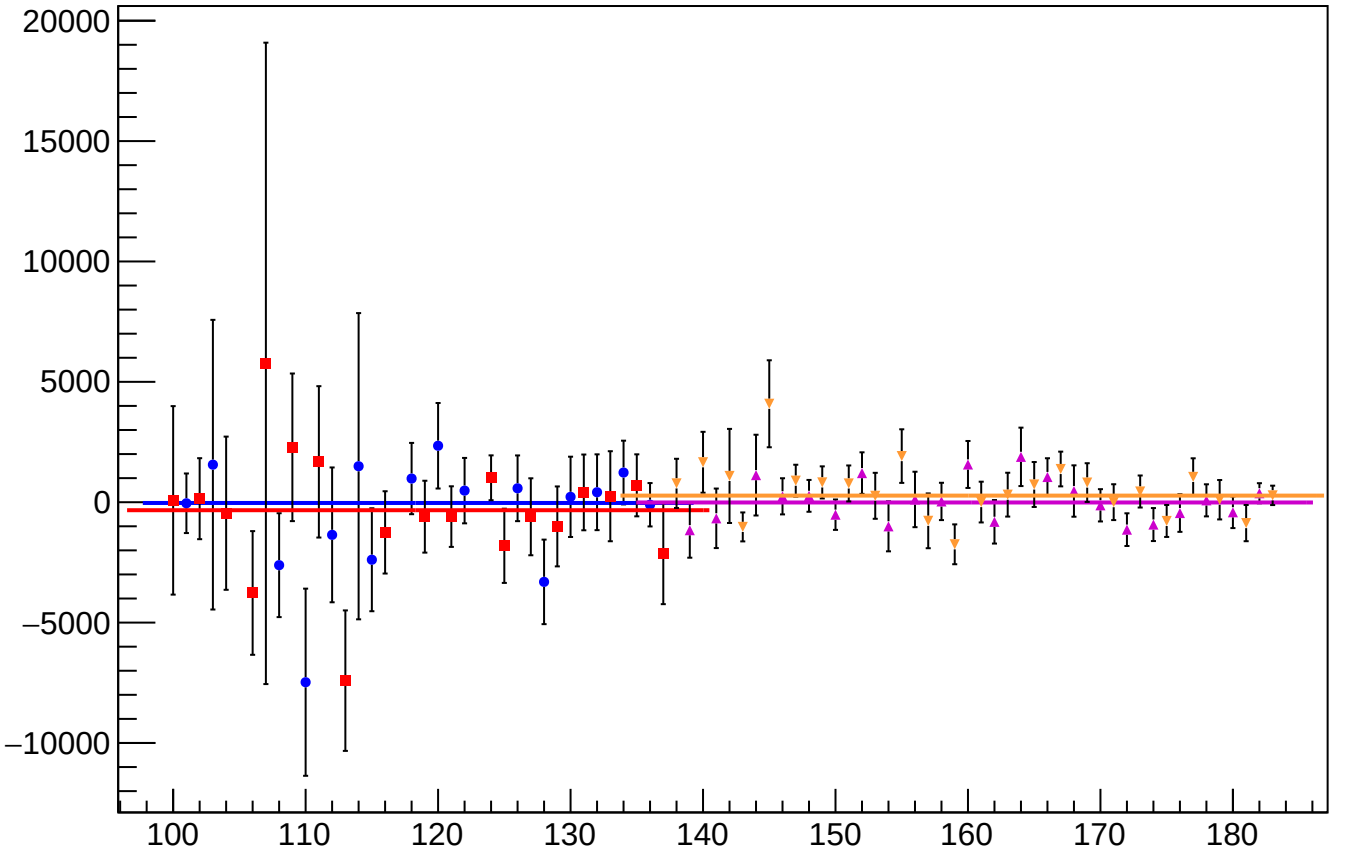
Left: 2376.280+/-0.276 χ^2/NDF: 64520.8/45

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2414.765+/-0.340 χ^2/NDF:282116.8/37

Out: 2443.918+/-0.337 χ^2/NDF:706948.3/42

All: 2429.478+/-0.240 χ^2/NDF: 992765.4/80



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 274.684+/-158.051 χ^2/NDF:31.0/23

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -10.838+/-164.447 χ^2/NDF:19.7/21

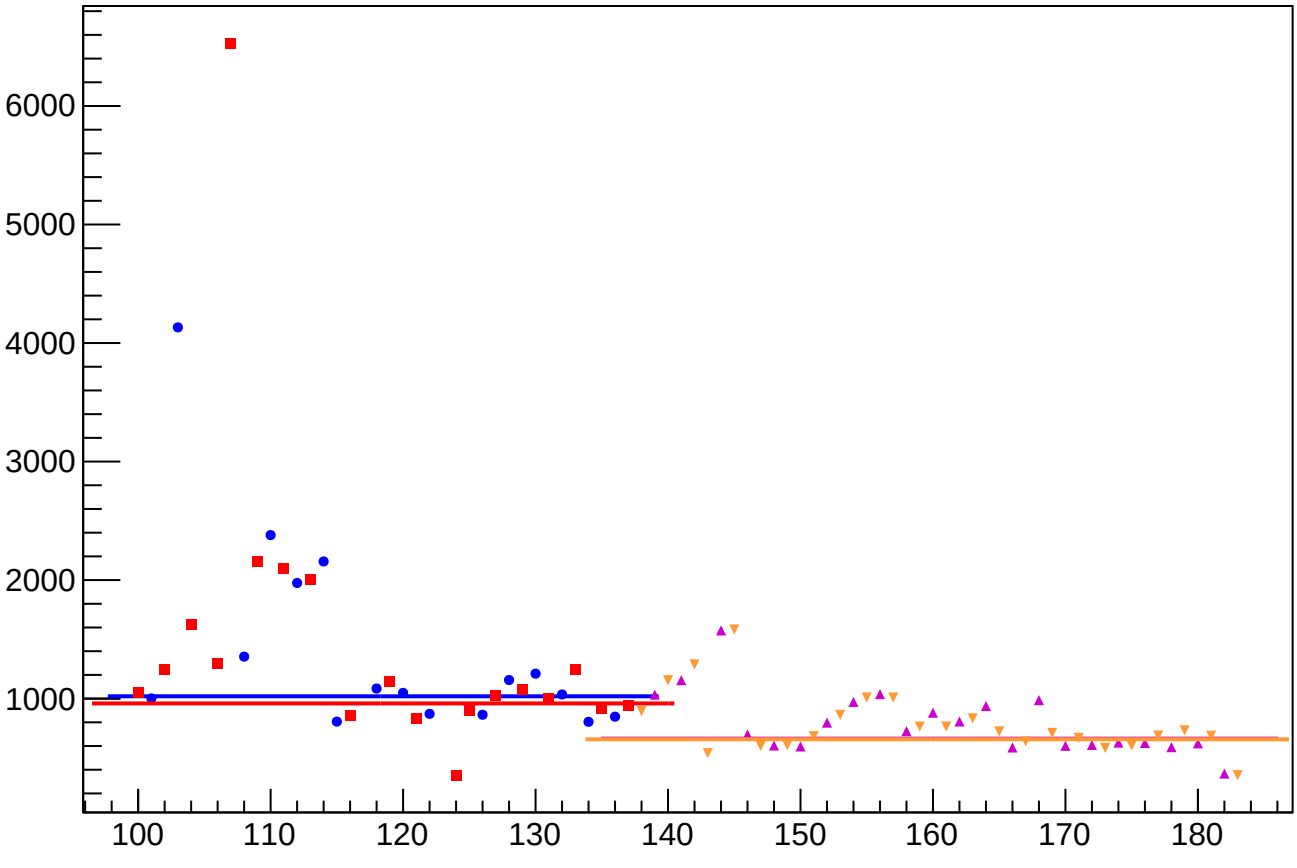
Left: 137.584+/-113.953 χ^2/NDF: 52.2/45

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -13.718+/-152.404 χ^2/NDF:33.4/37

Out: 192.525+/-146.959 χ^2/NDF:47.4/42

All: 93.153+/-105.789 χ^2/NDF: 81.8/80



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 656.725+/-0.112 χ^2/NDF:3090677.7/23

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 661.972+/-0.116 χ^2/NDF:3141131.5/21

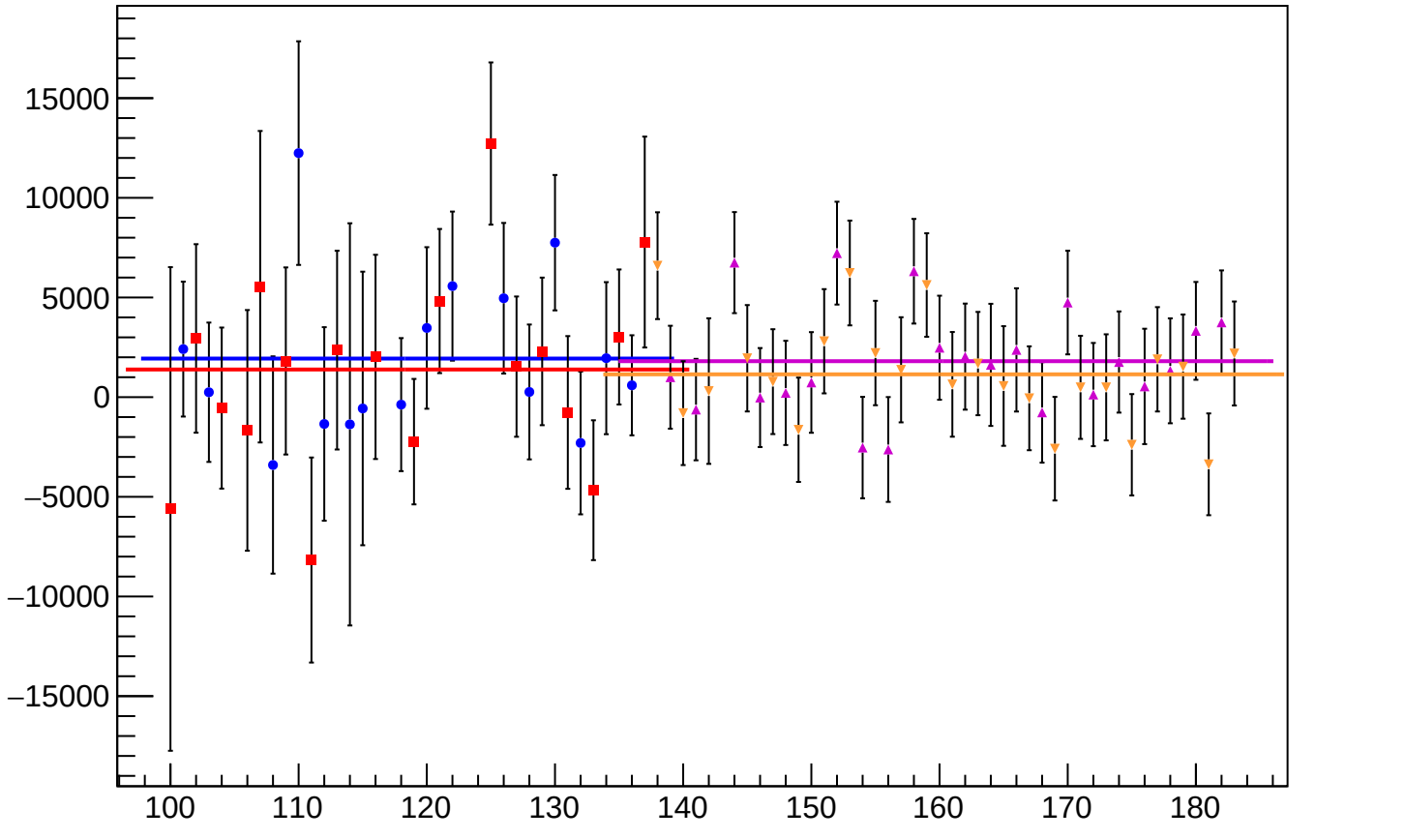
Left: 659.245+/-0.081 χ^2/NDF: 6232867.6/45

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 712.422+/-0.108 χ^2/NDF:5839901.4/37

Out: 697.710+/-0.104 χ^2/NDF:6428108.8/42

All: 704.799+/-0.075 χ^2/NDF: 12277668.5/80



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1144.964+/-553.855 χ^2/NDF:21.1/22

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: 1471.990+/-393.272 χ^2/NDF: 44.9/44

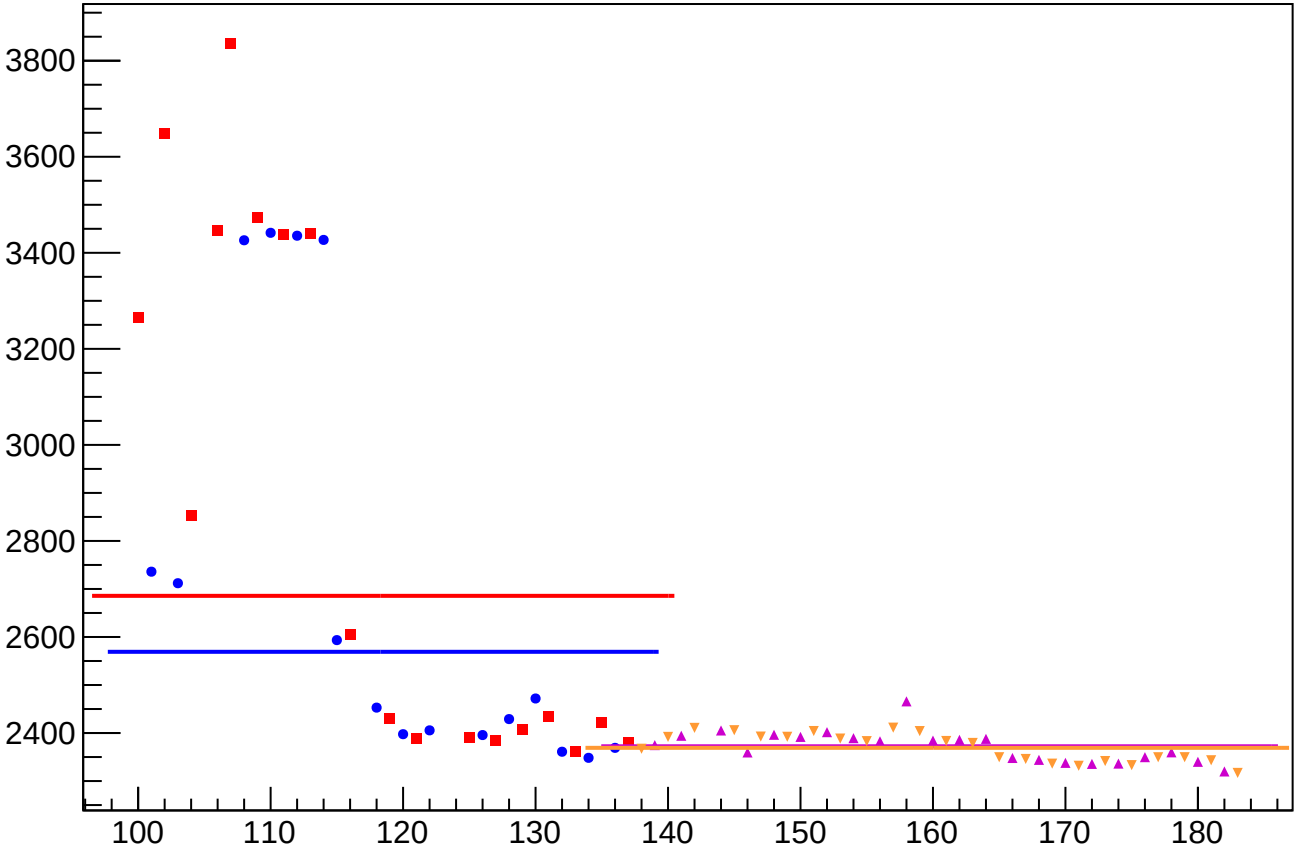
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1837.663+/-483.052 χ^2/NDF:35.4/37

Out: 1201.123+/-485.531 χ^2/NDF:40.9/40

All: 1521.022+/-342.442 χ^2/NDF: 77.2/78

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2369.159+/-0.392 χ^2/NDF:5414.5/22

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2372.418+/-0.395 χ^2/NDF:6747.5/21

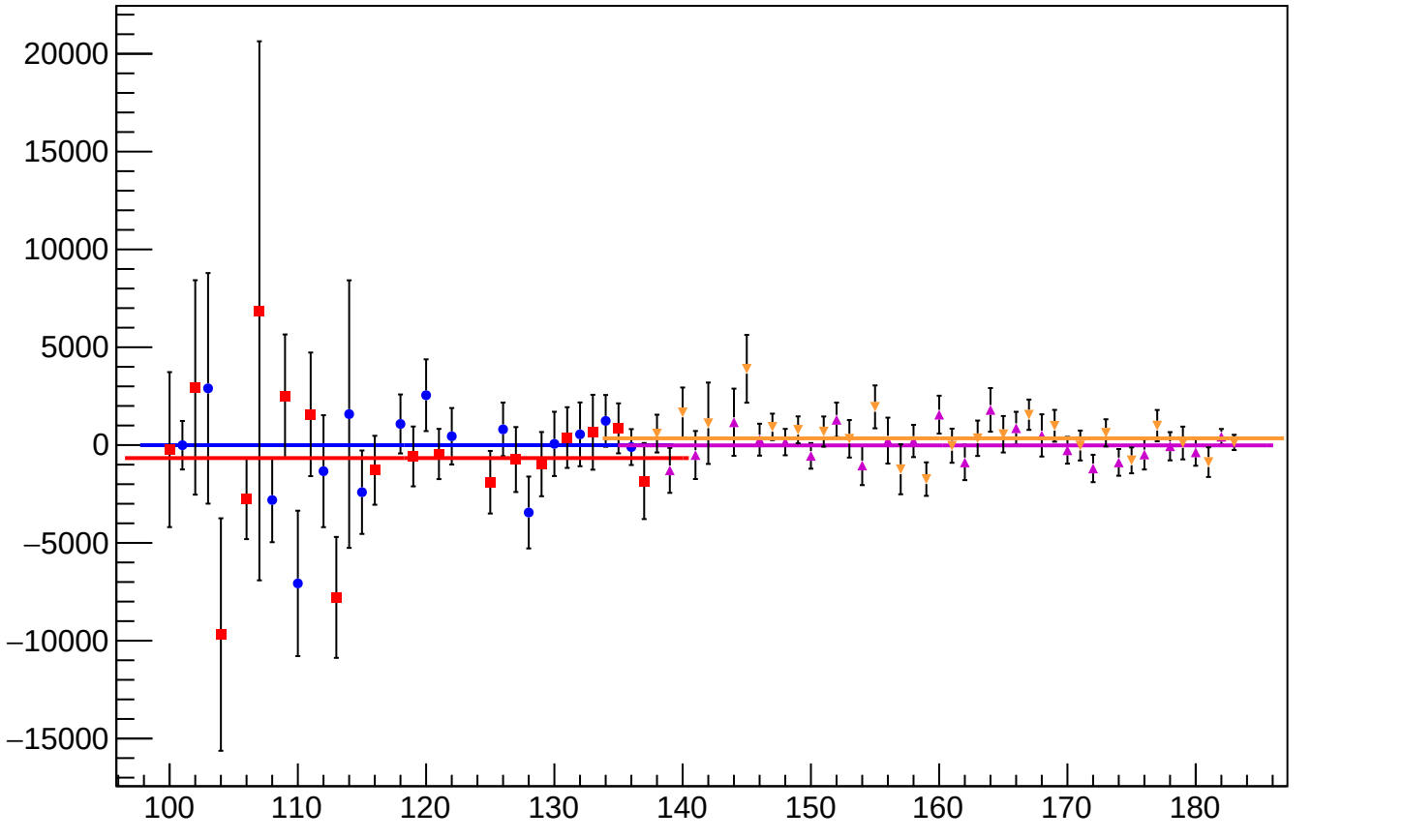
Left: 2370.775+/-0.278 χ^2/NDF: 12196.3/44

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

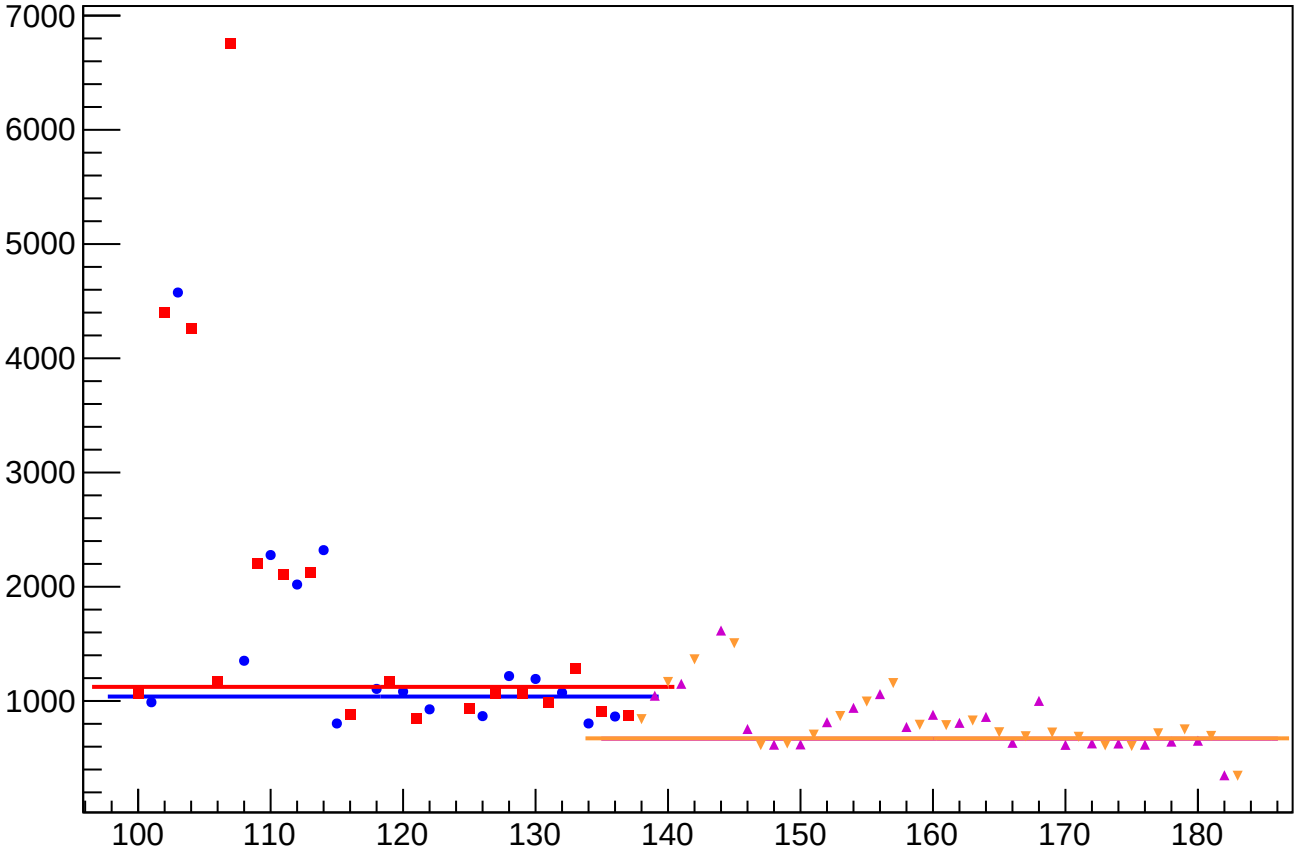
In: 2421.983+/-0.342 χ^2/NDF:298747.9/37

Out: 2442.434+/-0.343 χ^2/NDF:575892.1/40

All: 2432.156+/-0.242 χ^2/NDF: 876423.2/78


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -5.169+/-412.248 χ²/NDF: 14.5/15
Left Out: 344.136+/-165.833 χ²/NDF:26.6/22
Right Out: -665.952+/-460.513 χ²/NDF: 14.4/17
Left In: -16.637+/-166.557 χ²/NDF:20.1/21
Left: 164.535+/-117.517 χ²/NDF: 49.1/44
Right: -299.130+/-307.154 χ²/NDF: 30.0/33
In: -15.028+/-154.429 χ²/NDF:34.6/37
Out: 228.188+/-156.025 χ²/NDF:45.2/40
All: 105.330+/-109.758 χ²/NDF: 81.1/78

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 672.955+/-0.117 χ^2/NDF:3232349.8/22

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 669.903+/-0.118 χ^2/NDF:3355079.0/21

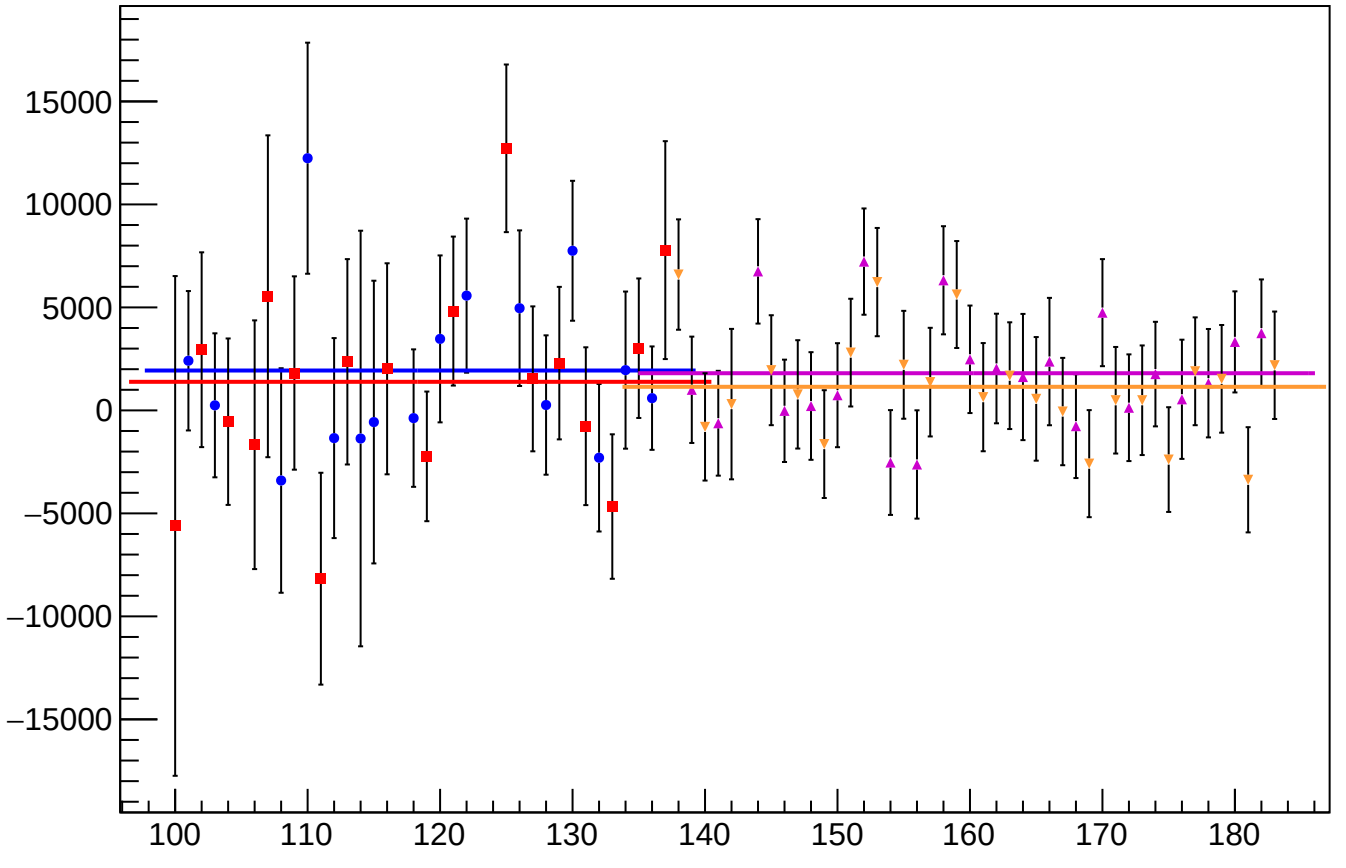
Left: 671.436+/-0.083 χ^2/NDF: 6587766.0/44

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 721.670+/-0.109 χ^2/NDF:6271584.8/37

Out: 724.671+/-0.110 χ^2/NDF:7462272.6/40

All: 723.155+/-0.078 χ^2/NDF: 13734231.1/78



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1144.964+/-553.855 χ^2/NDF:21.1/22

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: 1471.990+/-393.272 χ^2/NDF: 44.9/44

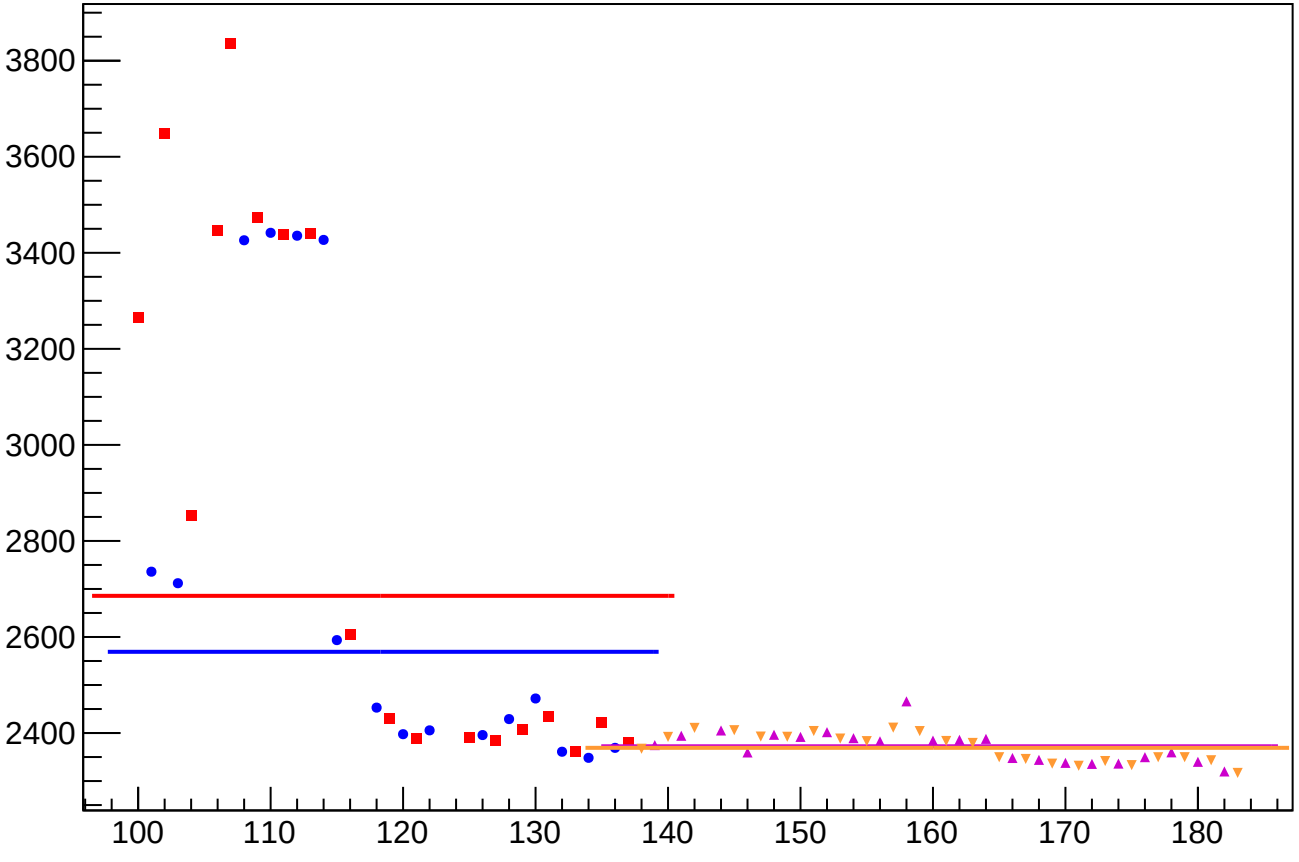
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1837.662+/-483.052 χ^2/NDF:35.4/37

Out: 1201.123+/-485.531 χ^2/NDF:40.9/40

All: 1521.021+/-342.442 χ^2/NDF: 77.2/78

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2369.159+/-0.392 χ^2/NDF:5414.5/22

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2372.418+/-0.395 χ^2/NDF:6747.5/21

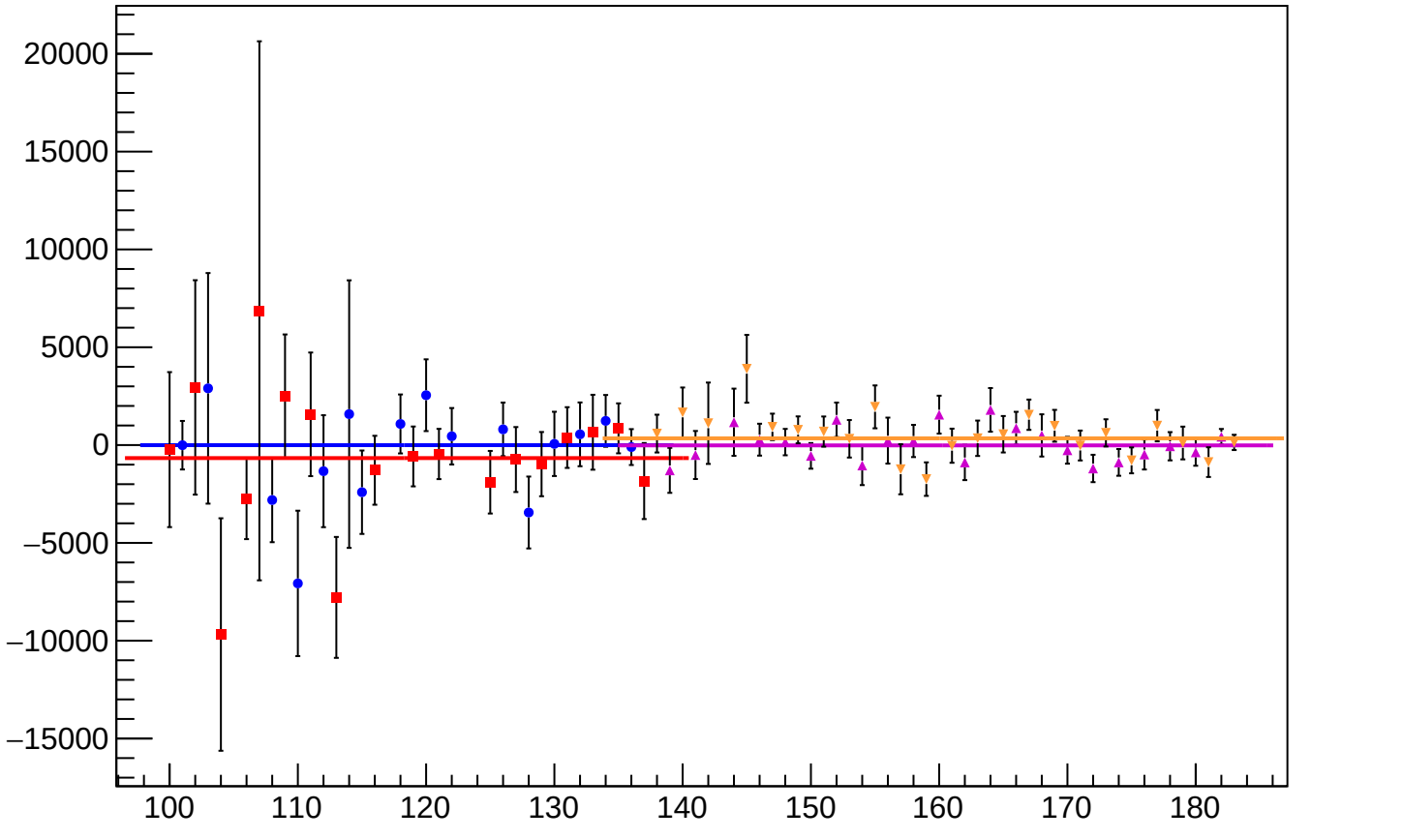
Left: 2370.775+/-0.278 χ^2/NDF: 12196.3/44

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2421.983+/-0.342 χ^2/NDF:298747.5/37

Out: 2442.434+/-0.343 χ^2/NDF:575891.1/40

All: 2432.156+/-0.242 χ^2/NDF: 876421.8/78



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 344.136+/-165.833 χ^2/NDF:26.6/22

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -16.637+/-166.557 χ^2/NDF:20.1/21

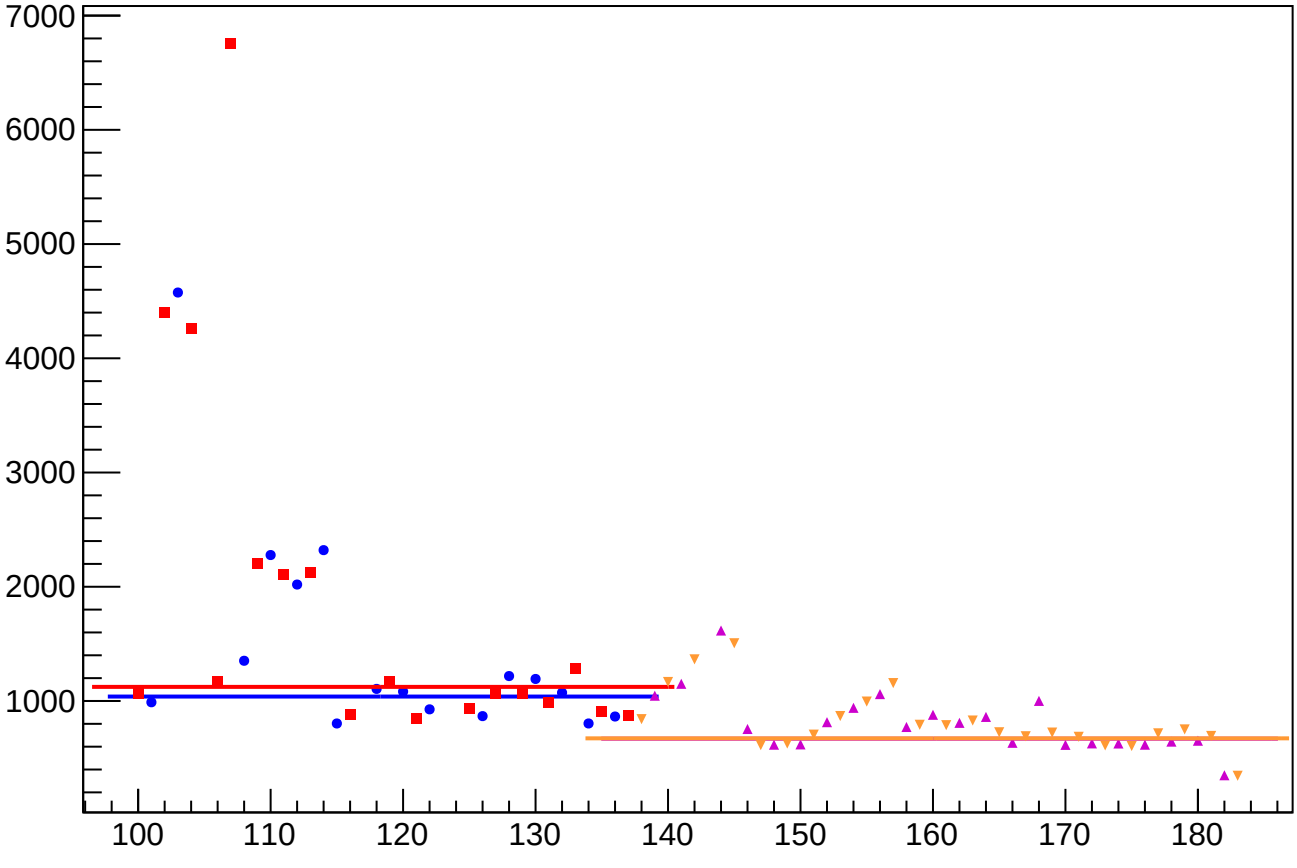
Left: 164.535+/-117.517 χ^2/NDF: 49.1/44

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -15.028+/-154.429 χ^2/NDF:34.6/37

Out: 228.187+/-156.025 χ^2/NDF:45.2/40

All: 105.329+/-109.758 χ^2/NDF: 81.1/78



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 672.956+/-0.117 χ^2/NDF:3232357.7/22

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 669.904+/-0.118 χ^2/NDF:3355090.4/21

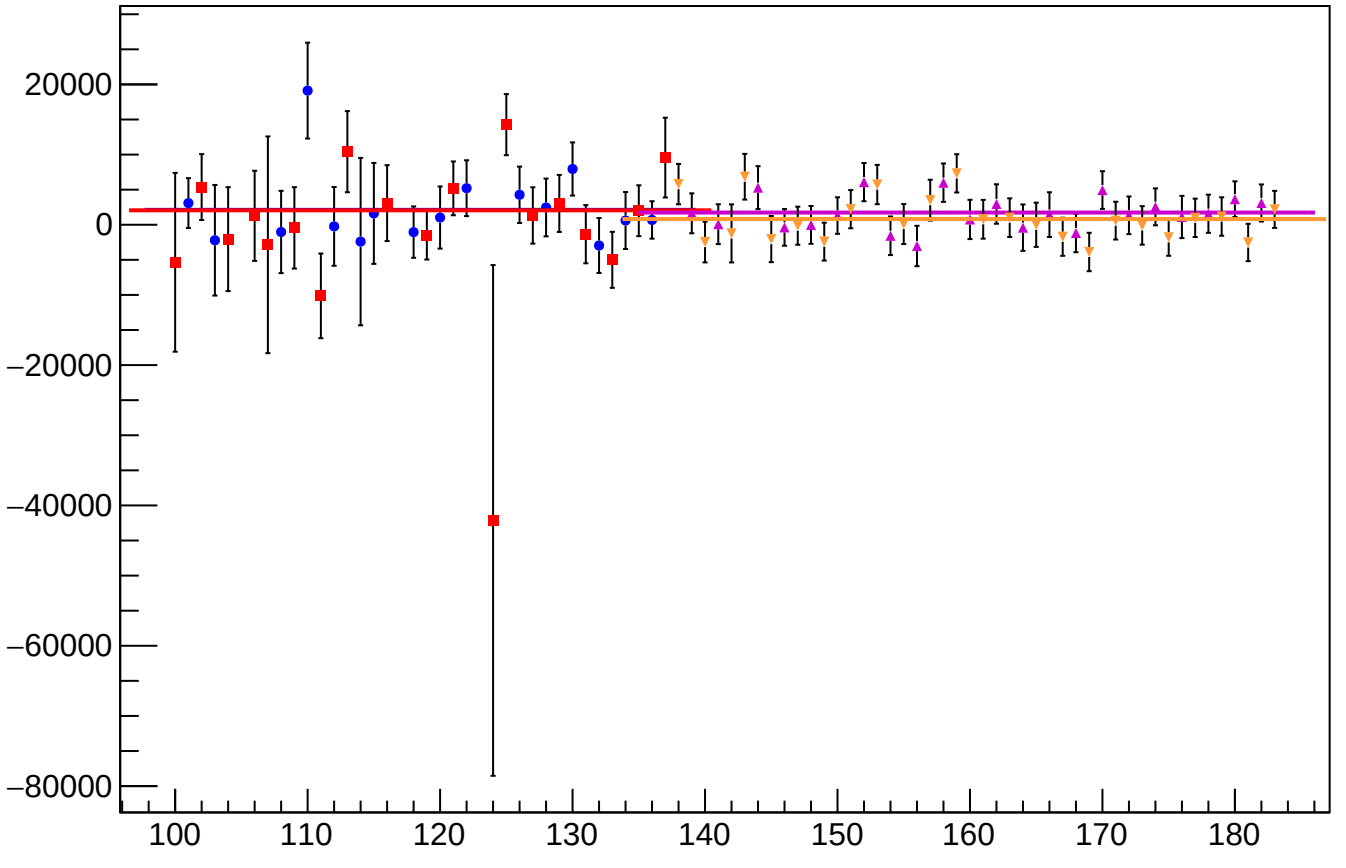
Left: 671.437+/-0.083 χ^2/NDF: 6587785.5/44

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 721.671+/-0.109 χ^2/NDF:6271587.2/37

Out: 724.672+/-0.110 χ^2/NDF:7462271.2/40

All: 723.156+/-0.078 χ^2/NDF: 13734232.1/78



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 810.165+/-577.732 χ^2/NDF:27.1/23

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: 1263.531+/-413.590 χ^2/NDF: 44.5/45

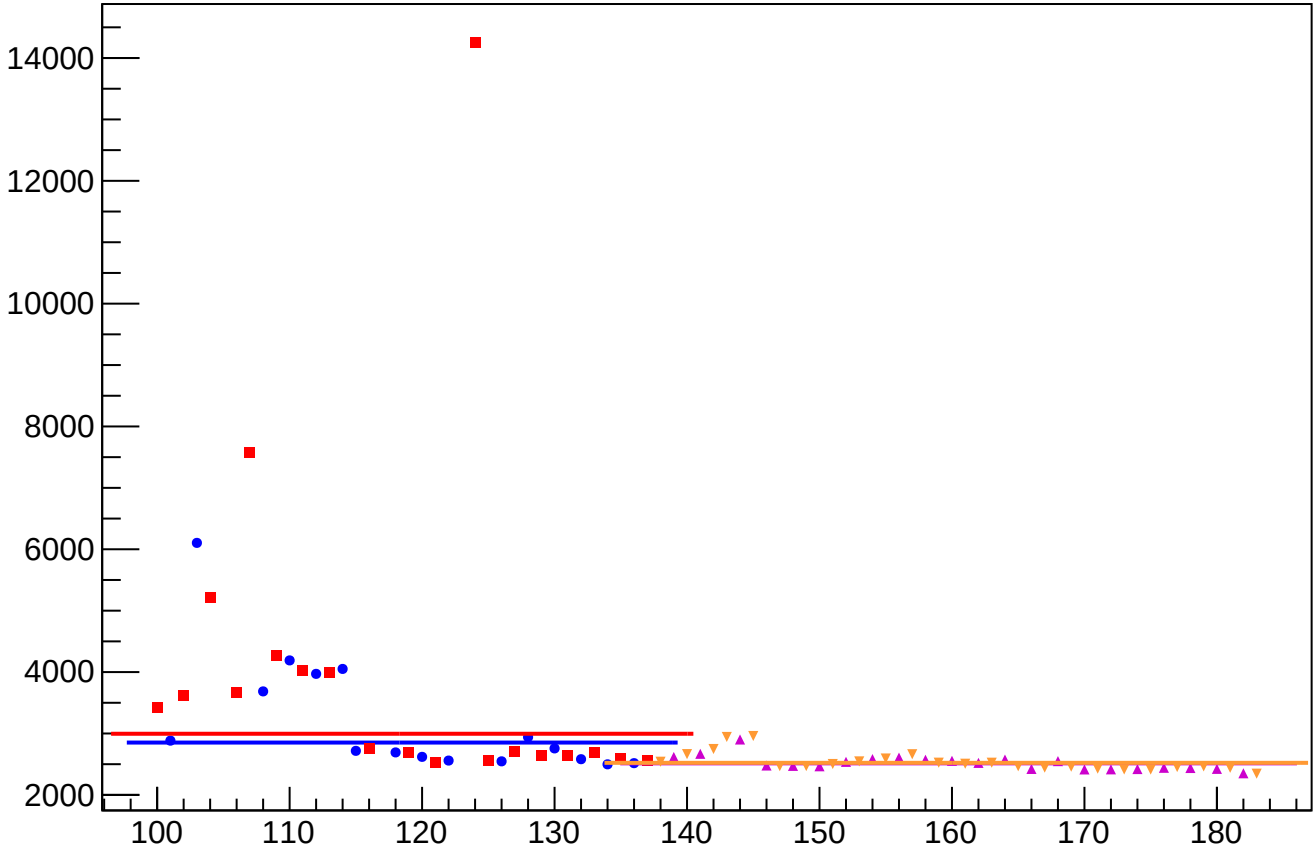
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1827.849+/-519.881 χ^2/NDF:29.7/37

Out: 1066.653+/-515.037 χ^2/NDF:52.3/42

All: 1443.688+/-365.887 χ^2/NDF: 83.1/80

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2522.118+/-0.409 χ^2/NDF:112568.0/23

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2513.461+/-0.419 χ^2/NDF:70453.8/21

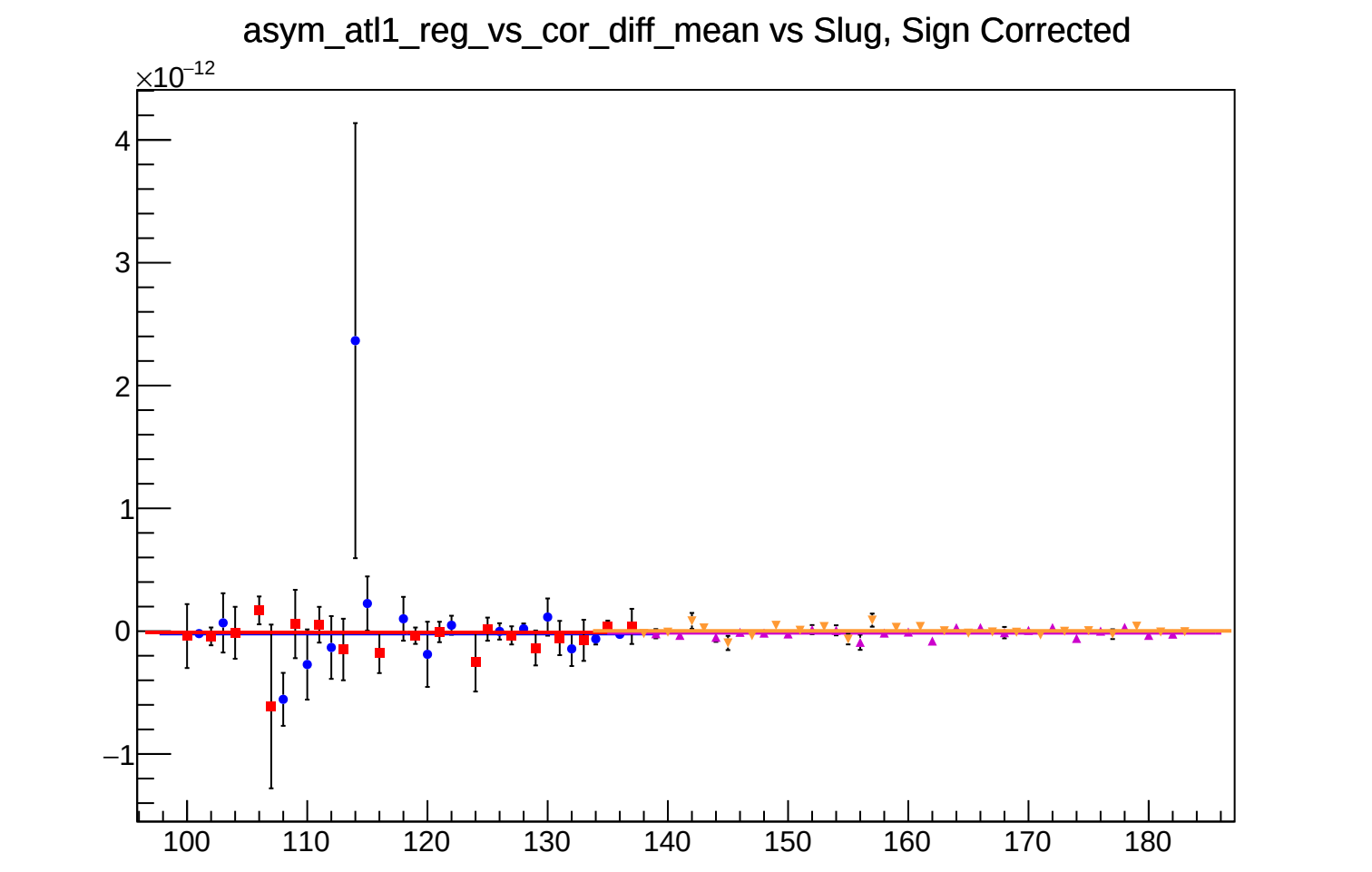
Left: 2517.898+/-0.292 χ^2/NDF: 183240.7/45

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2591.275+/-0.368 χ^2/NDF:869417.0/37

Out: 2619.290+/-0.364 χ^2/NDF:1367382.1/42

All: 2605.414+/-0.259 χ^2/NDF: 2239730.0/80



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: -0.000+/-0.000 χ^2/NDF:32.2/21

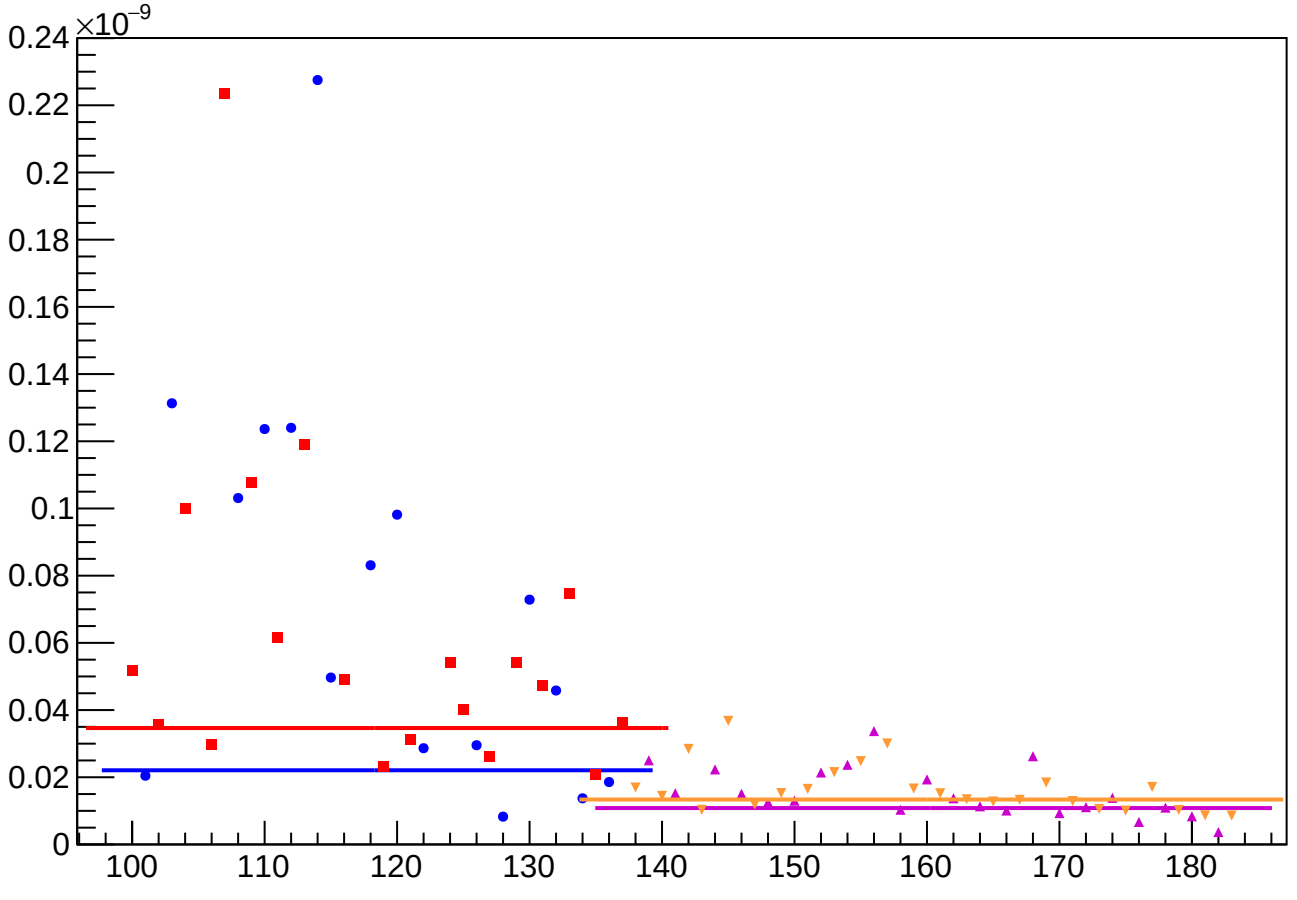
Left: -0.000+/-0.000 χ^2/NDF: 64.0/45

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:47.7/37

Out: 0.000+/-0.000 χ^2/NDF:35.8/42

All: -0.000+/-0.000 χ^2/NDF: 88.4/80



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1441754.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2608921.3/21

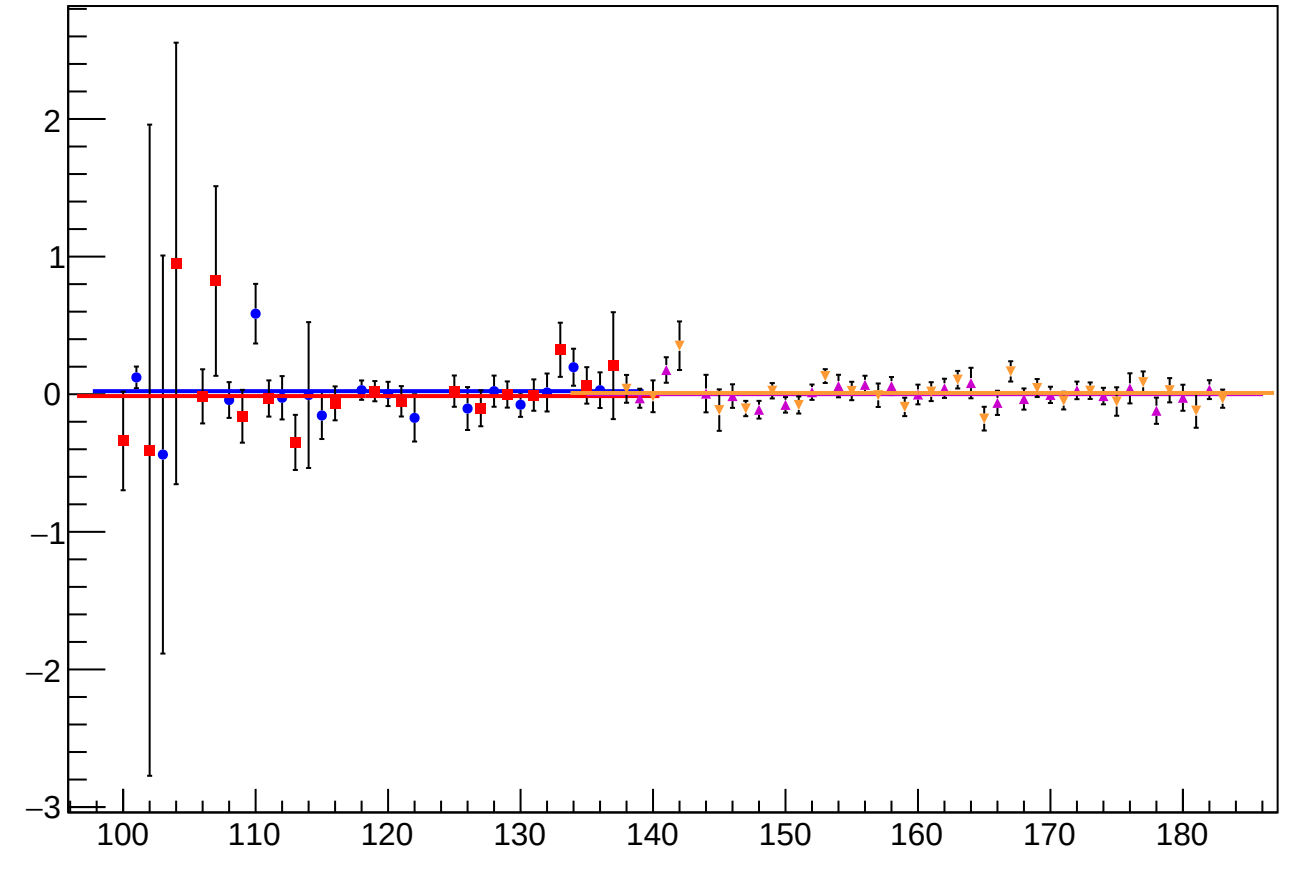
Left: 0.000+/-0.000 χ^2/NDF: 4297503.0/45

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:5747724.5/37

Out: 0.000+/-0.000 χ^2/NDF:4133054.1/42

All: 0.000+/-0.000 χ^2/NDF: 10162758.0/80



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/22

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: 0.005+/-0.011 χ^2/NDF: 50.0/44

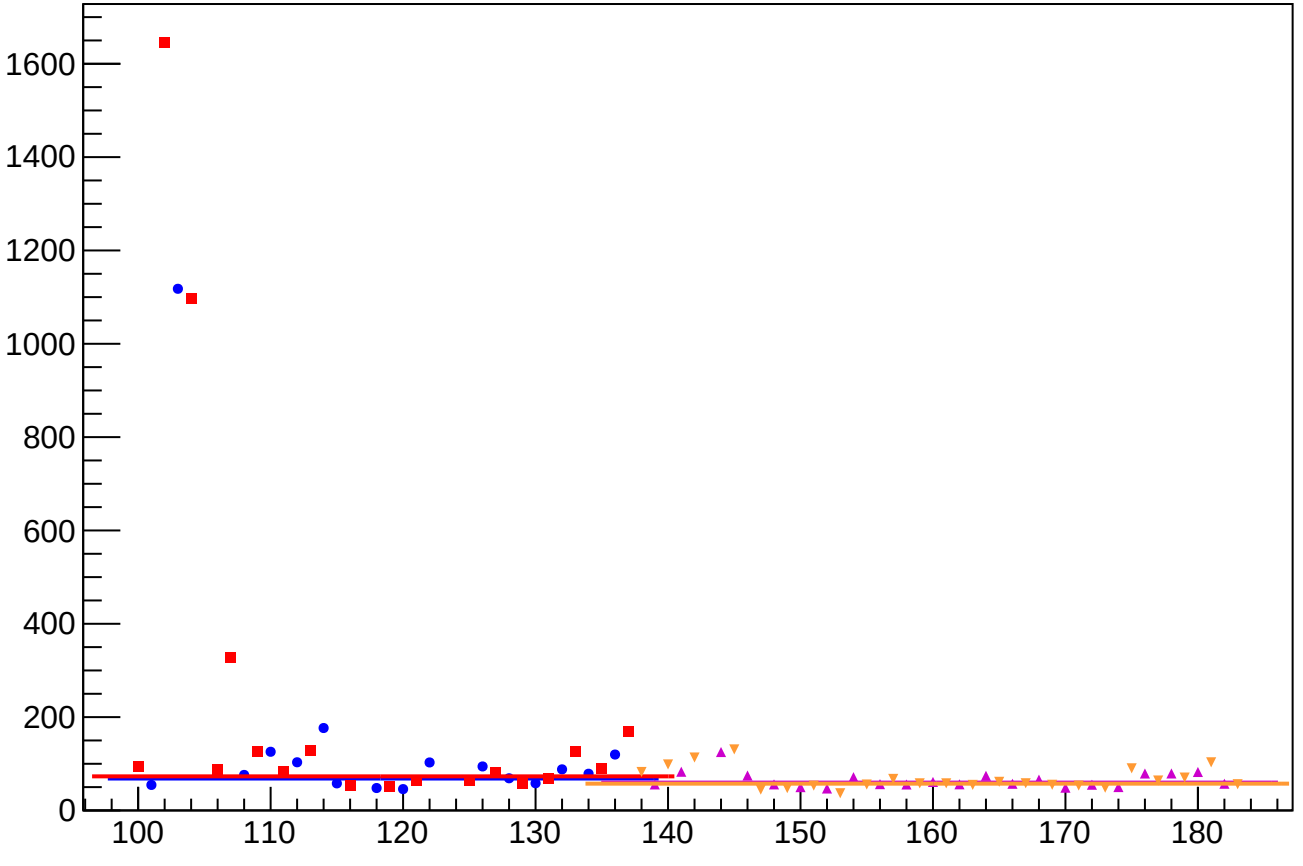
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.4/37

Out: 0.005+/-0.014 χ^2/NDF:45.9/40

All: 0.005+/-0.010 χ^2/NDF: 76.2/78

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 57.426+/-0.011 χ^2/NDF:2183182.3/22

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.693+/-0.011 χ^2/NDF:1329823.7/21

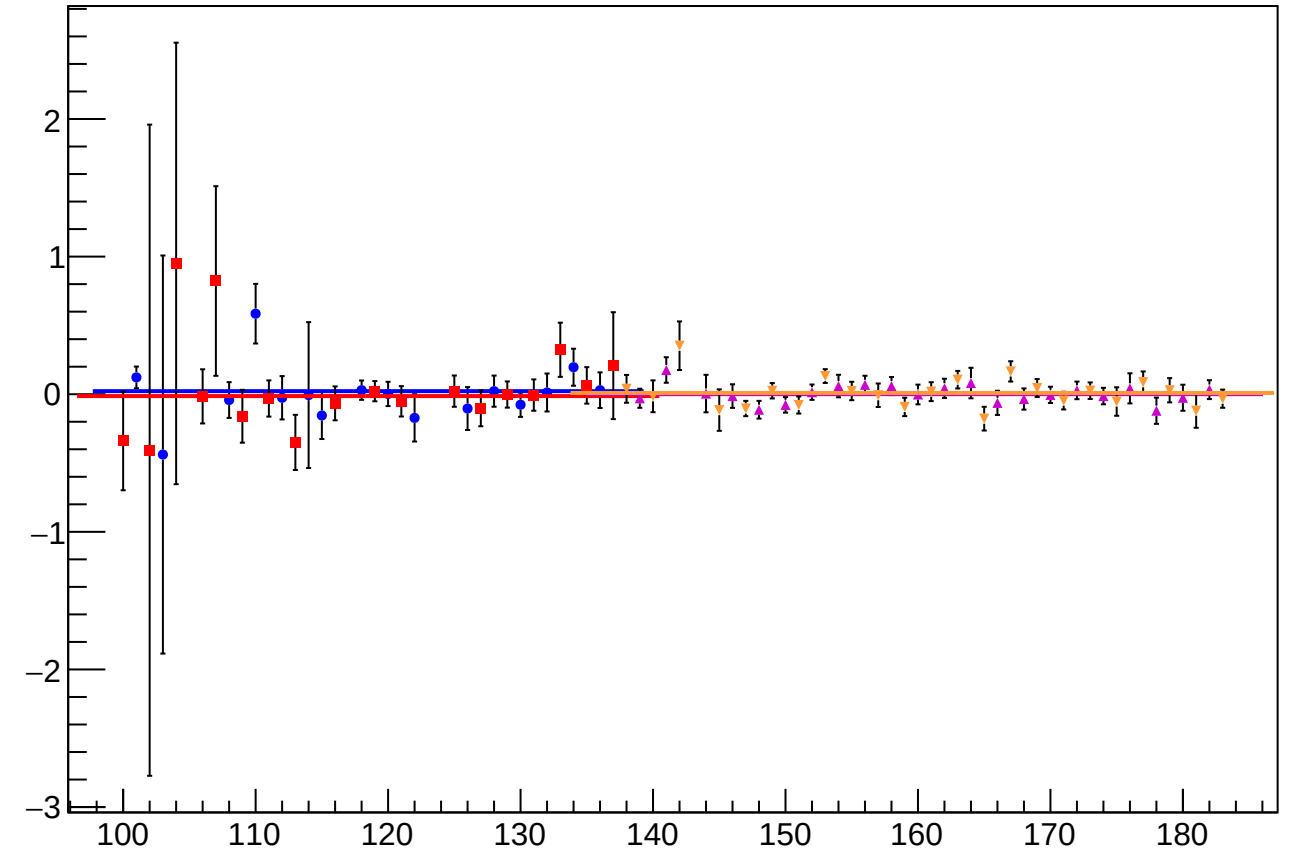
Left: 58.528+/-0.008 χ^2/NDF: 3534693.4/44

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.538+/-0.010 χ^2/NDF:3740374.6/37

Out: 60.094+/-0.010 χ^2/NDF:5458678.4/40

All: 60.814+/-0.007 χ^2/NDF: 9209940.4/78



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/22

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.000+/-0.016 χ^2/NDF:15.1/21

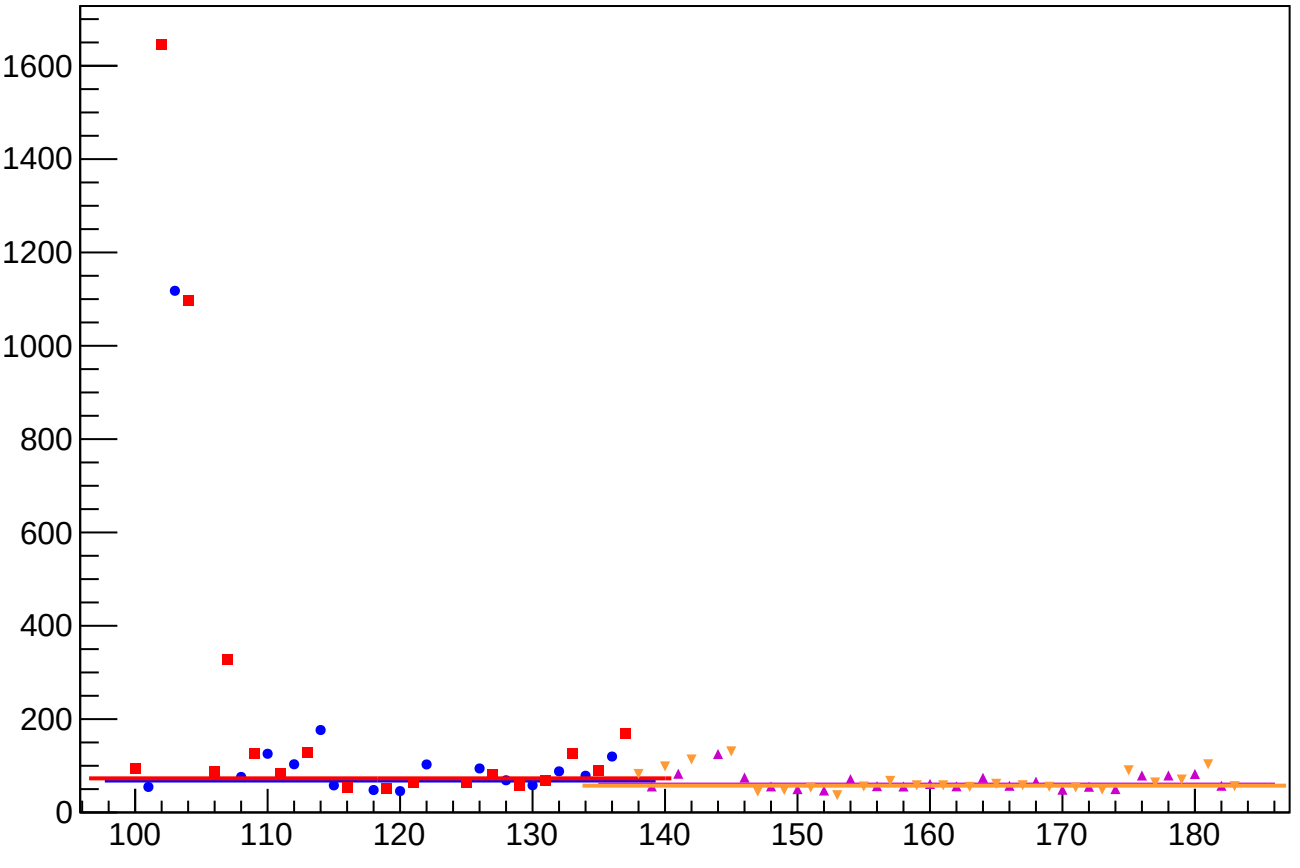
Left: 0.005+/-0.011 χ^2/NDF: 50.0/44

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.4/37

Out: 0.005+/-0.014 χ^2/NDF:45.9/40

All: 0.005+/-0.010 χ^2/NDF: 76.2/78



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 57.426+/-0.011 χ^2/NDF:2183182.3/22

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.693+/-0.011 χ^2/NDF:1329823.7/21

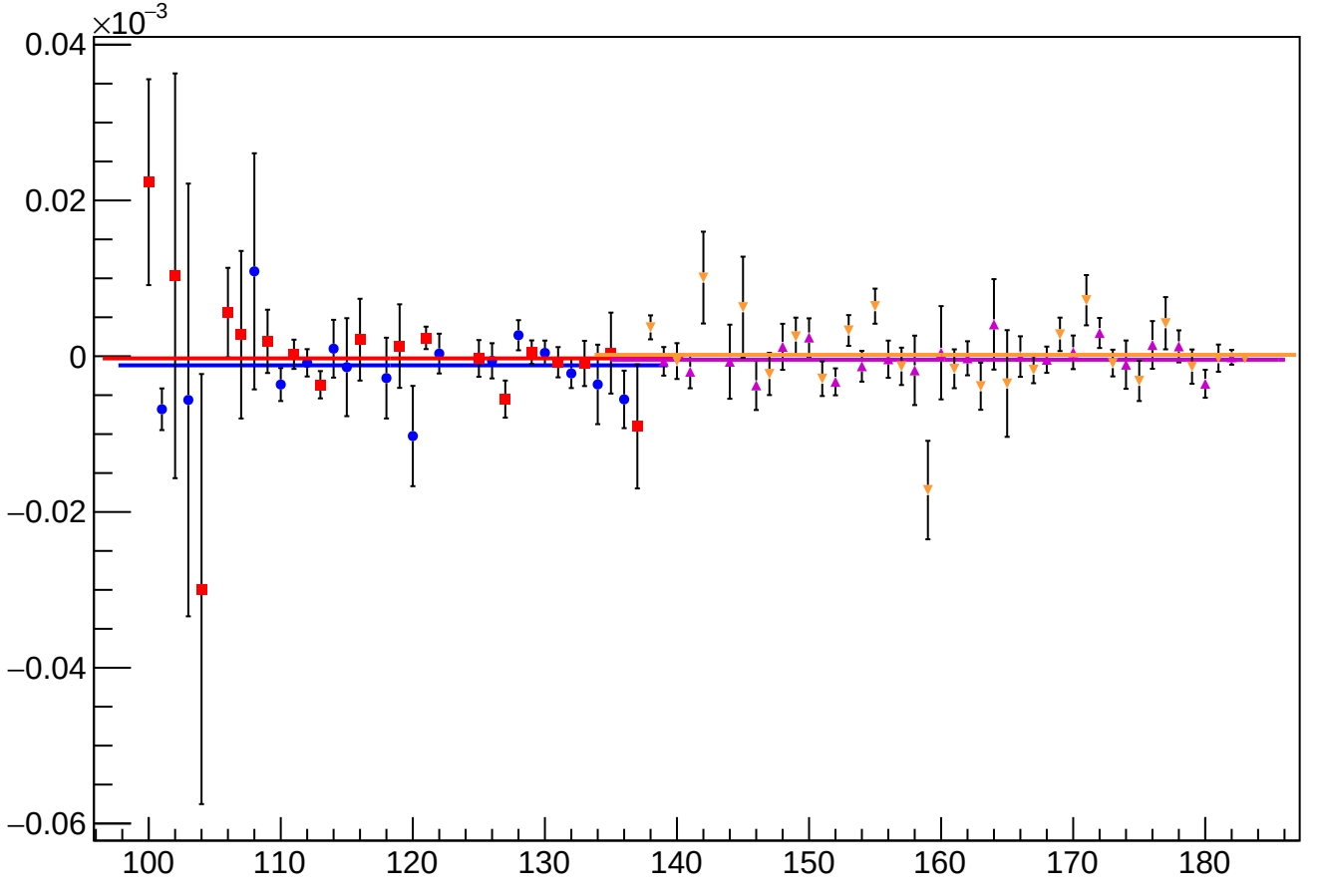
Left: 58.528+/-0.008 χ^2/NDF: 3534693.4/44

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.538+/-0.010 χ^2/NDF:3740374.6/37

Out: 60.094+/-0.010 χ^2/NDF:5458678.4/40

All: 60.814+/-0.007 χ^2/NDF: 9209940.4/78



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.6/22

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:14.5/21

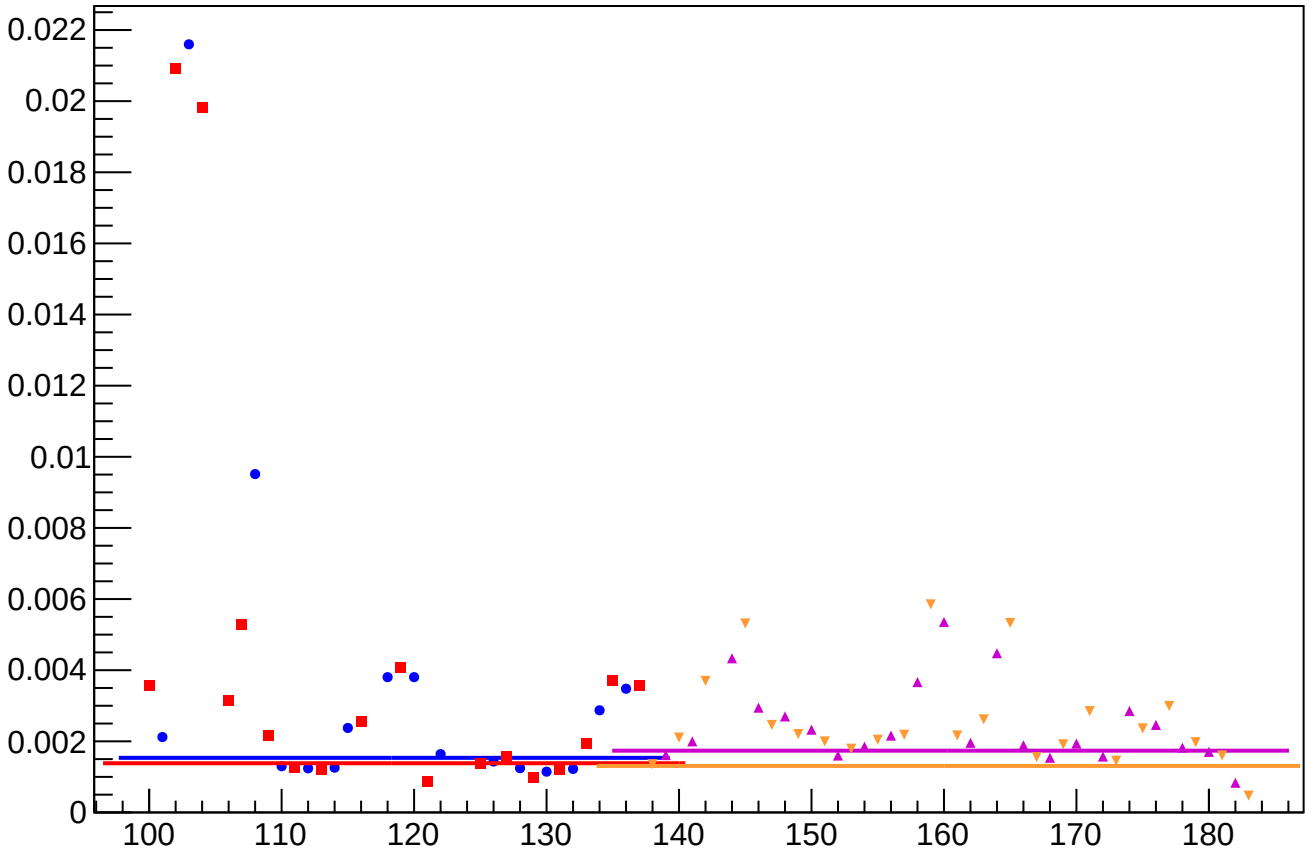
Left: -0.000+/-0.000 χ^2/NDF: 61.2/44

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:65.5/40

All: -0.000+/-0.000 χ^2/NDF: 99.3/78



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:11260106.4/22

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: 0.001+/-0.000 χ^2/NDF: 17480979.9/44

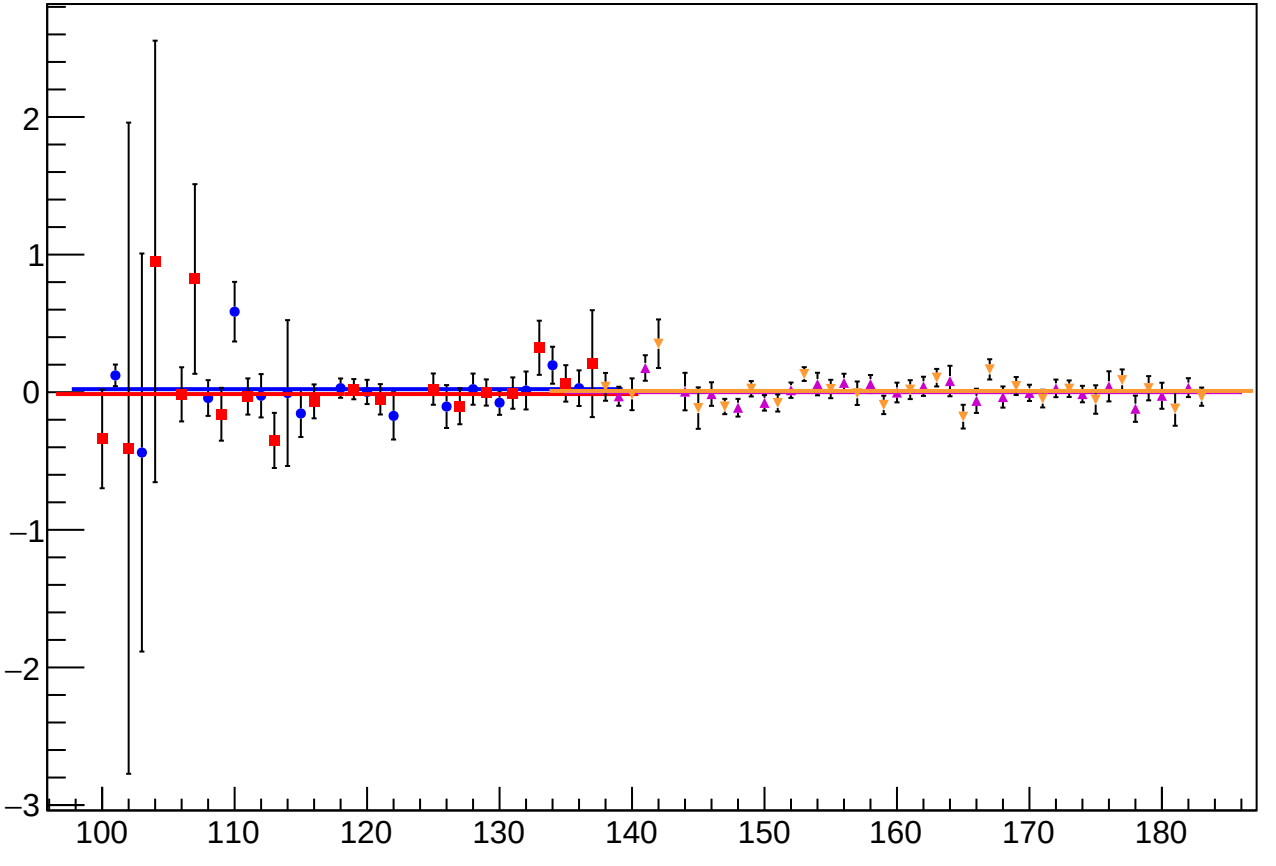
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:8657129.9/37

Out: 0.001+/-0.000 χ^2/NDF:15550534.9/40

All: 0.001+/-0.000 χ^2/NDF: 25183935.7/78

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: 0.009+/-0.015 χ^2/NDF:34.7/22

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: 0.005+/-0.011 χ^2/NDF: 50.0/44

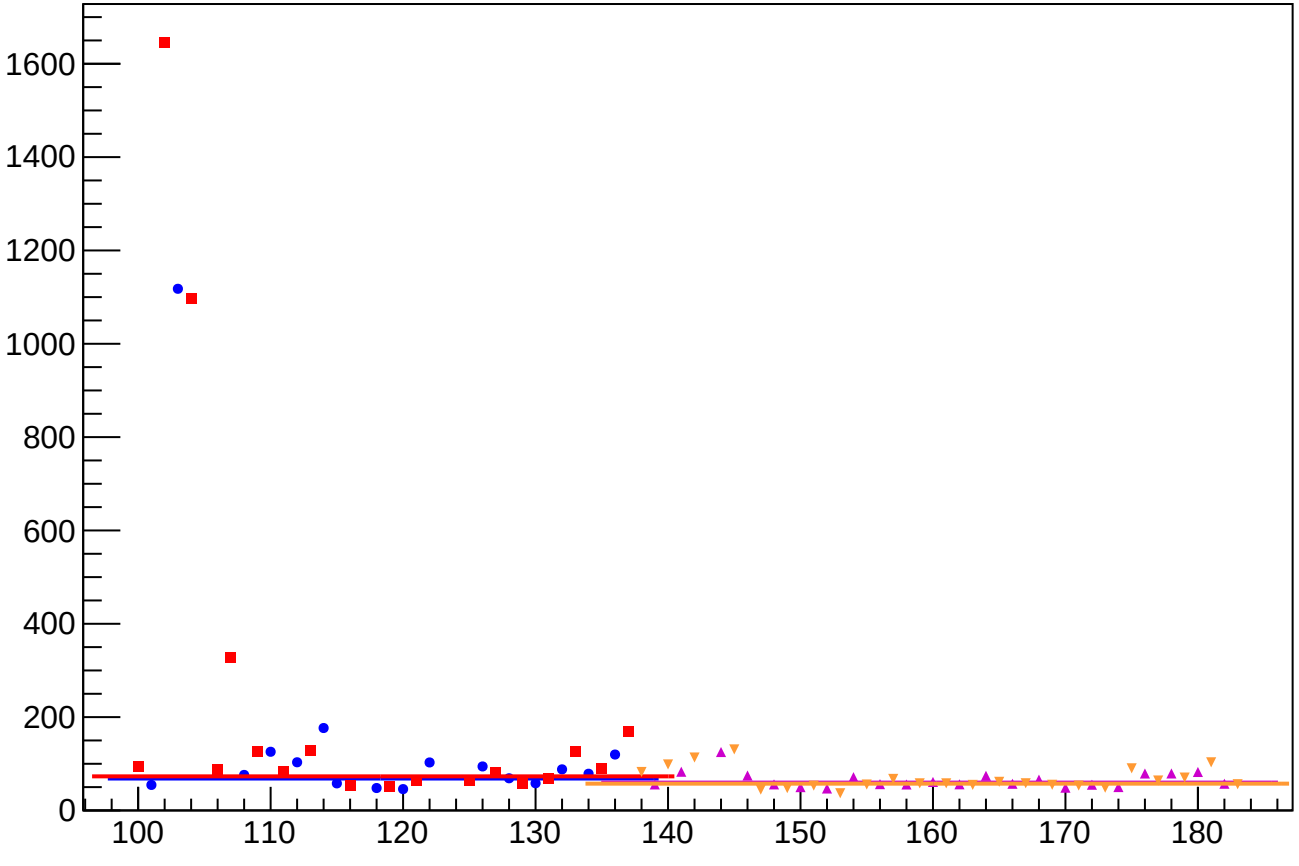
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.4/37

Out: 0.005+/-0.014 χ^2/NDF:45.9/40

All: 0.005+/-0.010 χ^2/NDF: 76.2/78

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 57.426+/-0.011 χ^2/NDF:2183256.6/22

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.693+/-0.011 χ^2/NDF:1329808.3/21

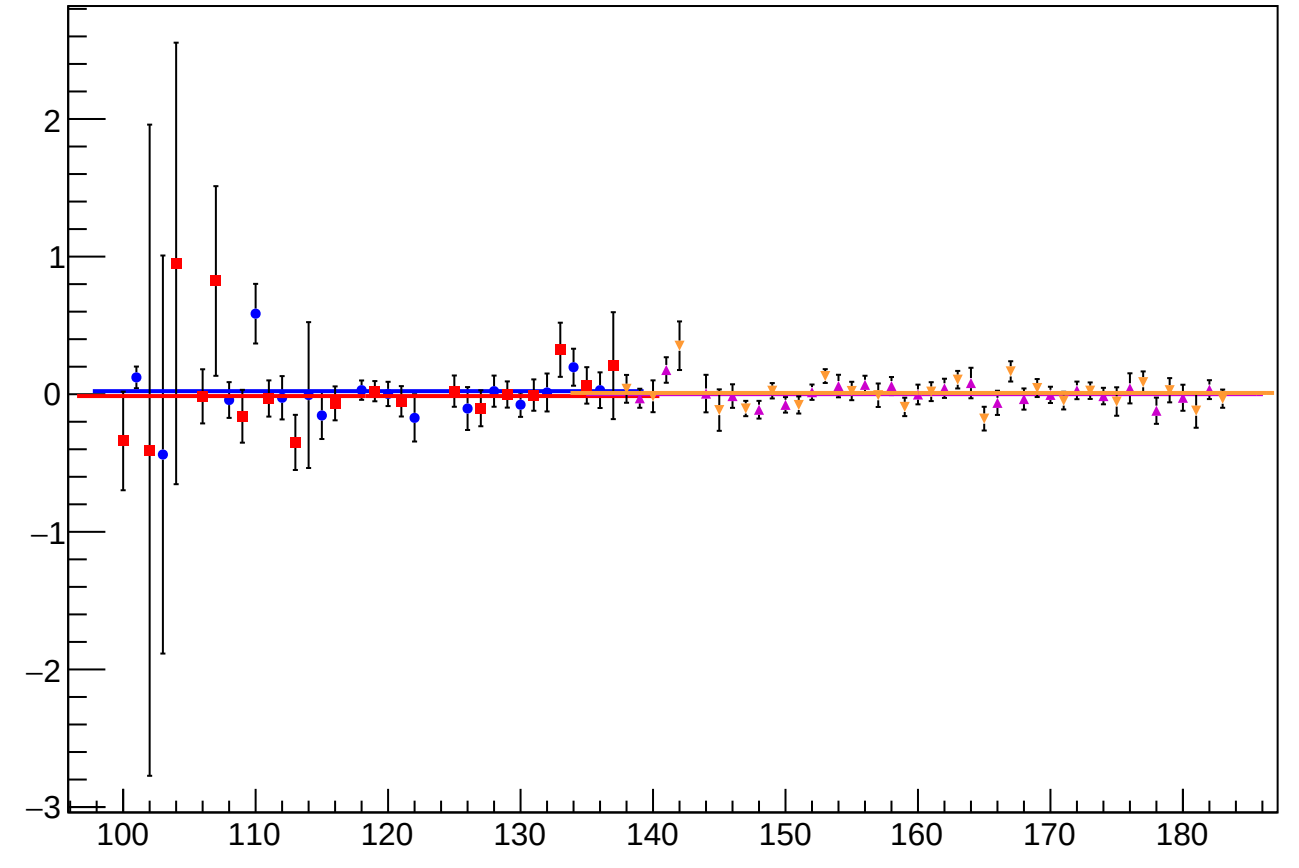
Left: 58.529+/-0.008 χ^2/NDF: 3534755.4/44

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.538+/-0.010 χ^2/NDF:3740410.8/37

Out: 60.094+/-0.010 χ^2/NDF:5458744.0/40

All: 60.814+/-0.007 χ^2/NDF: 9210042.3/78



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/22

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.000+/-0.016 χ^2/NDF:15.1/21

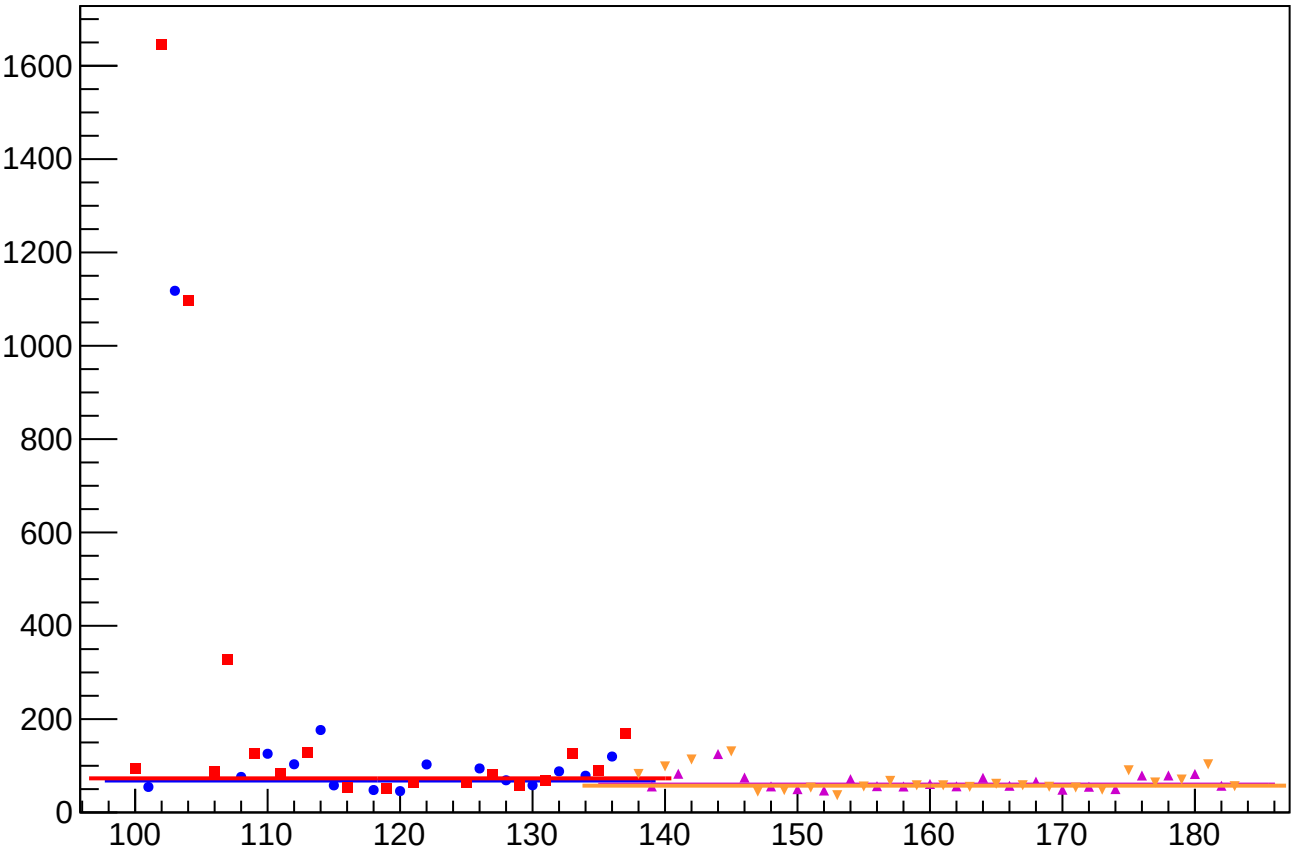
Left: 0.005+/-0.011 χ^2/NDF: 50.0/44

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.4/37

Out: 0.005+/-0.014 χ^2/NDF:45.9/40

All: 0.005+/-0.010 χ^2/NDF: 76.2/78



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 57.426+/-0.011 χ^2/NDF:2183256.6/22

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.693+/-0.011 χ^2/NDF:1329808.3/21

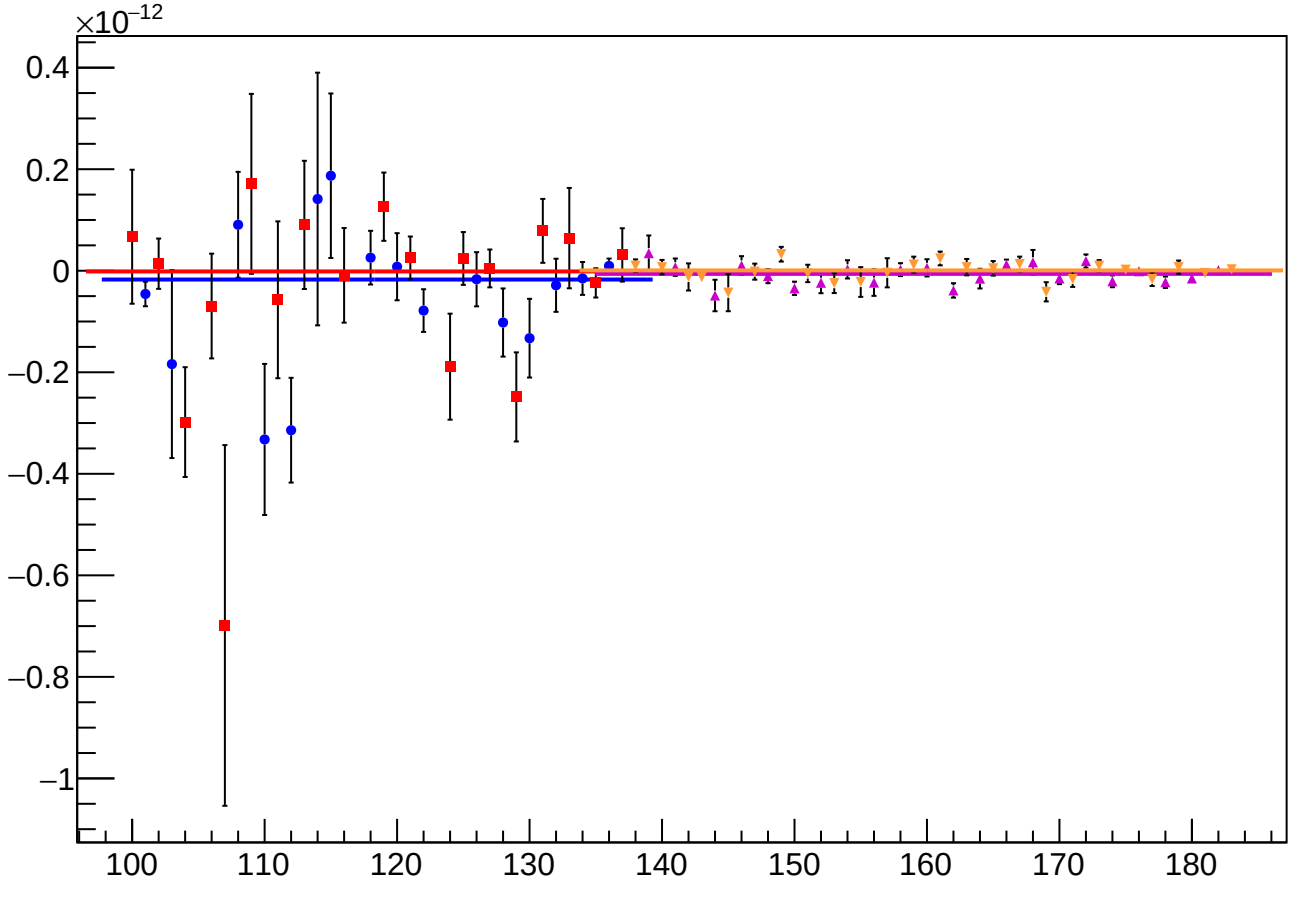
Left: 58.529+/-0.008 χ^2/NDF: 3534755.4/44

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.538+/-0.010 χ^2/NDF:3740410.8/37

Out: 60.094+/-0.010 χ^2/NDF:5458744.0/40

All: 60.814+/-0.007 χ^2/NDF: 9210042.3/78



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:32.4/21

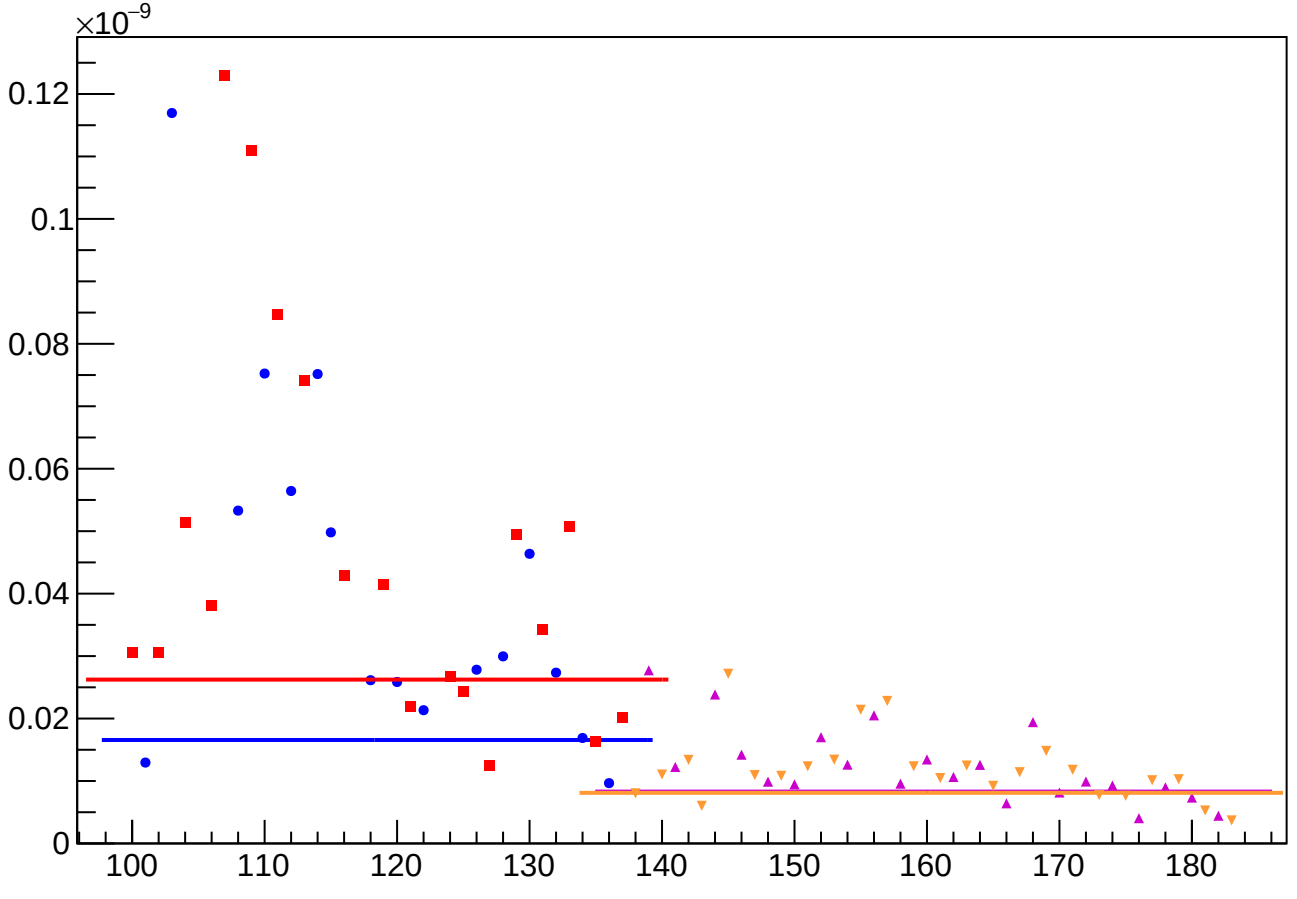
Left: -0.000+/-0.000 χ^2/NDF: 61.5/45

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:57.9/42

All: -0.000+/-0.000 χ^2/NDF: 124.2/80



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:4791816.0/23

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: 9613980.4/45

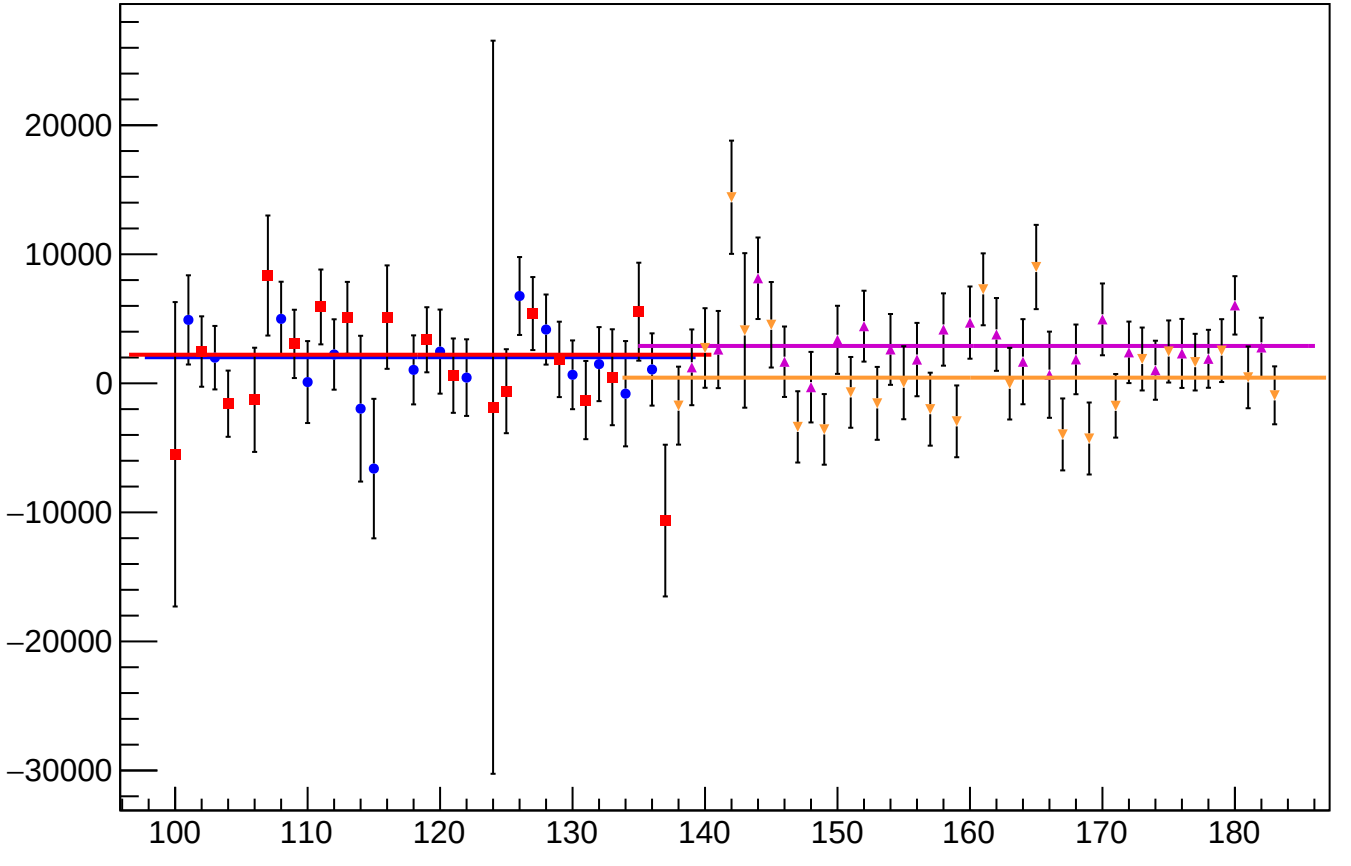
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:8918472.7/37

Out: 0.000+/-0.000 χ^2/NDF:10275586.3/42

All: 0.000+/-0.000 χ^2/NDF: 19200057.4/80

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 439.270+/-563.247 χ^2/NDF:41.7/23

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: 1646.871+/-401.643 χ^2/NDF: 61.1/45

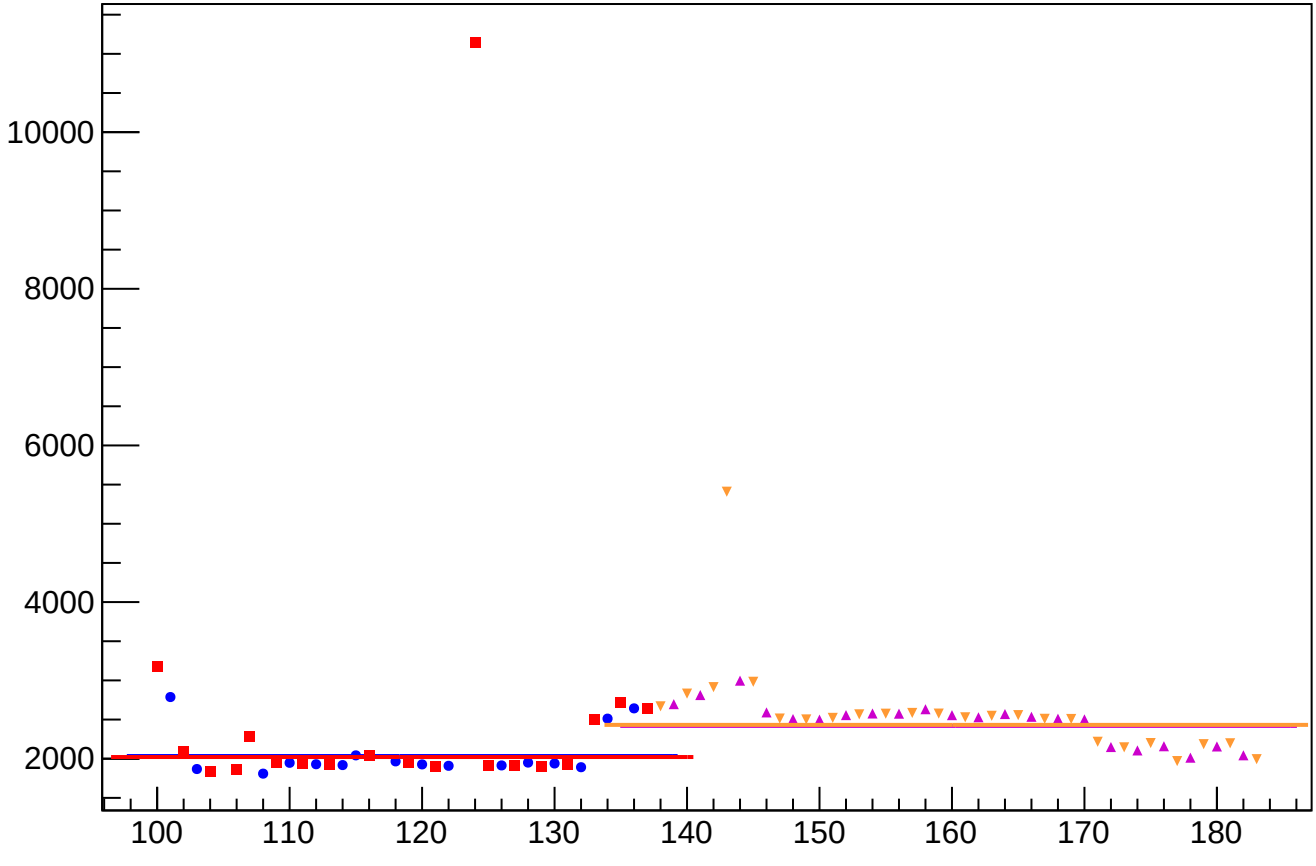
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2581.995+/-458.423 χ^2/NDF:20.5/37

Out: 1073.766+/-451.701 χ^2/NDF:63.3/42

All: 1816.742+/-321.751 χ^2/NDF: 89.3/80

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2432.013+/-0.398 χ^2/NDF:923590.8/23

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2418.922+/-0.405 χ^2/NDF:406628.2/21

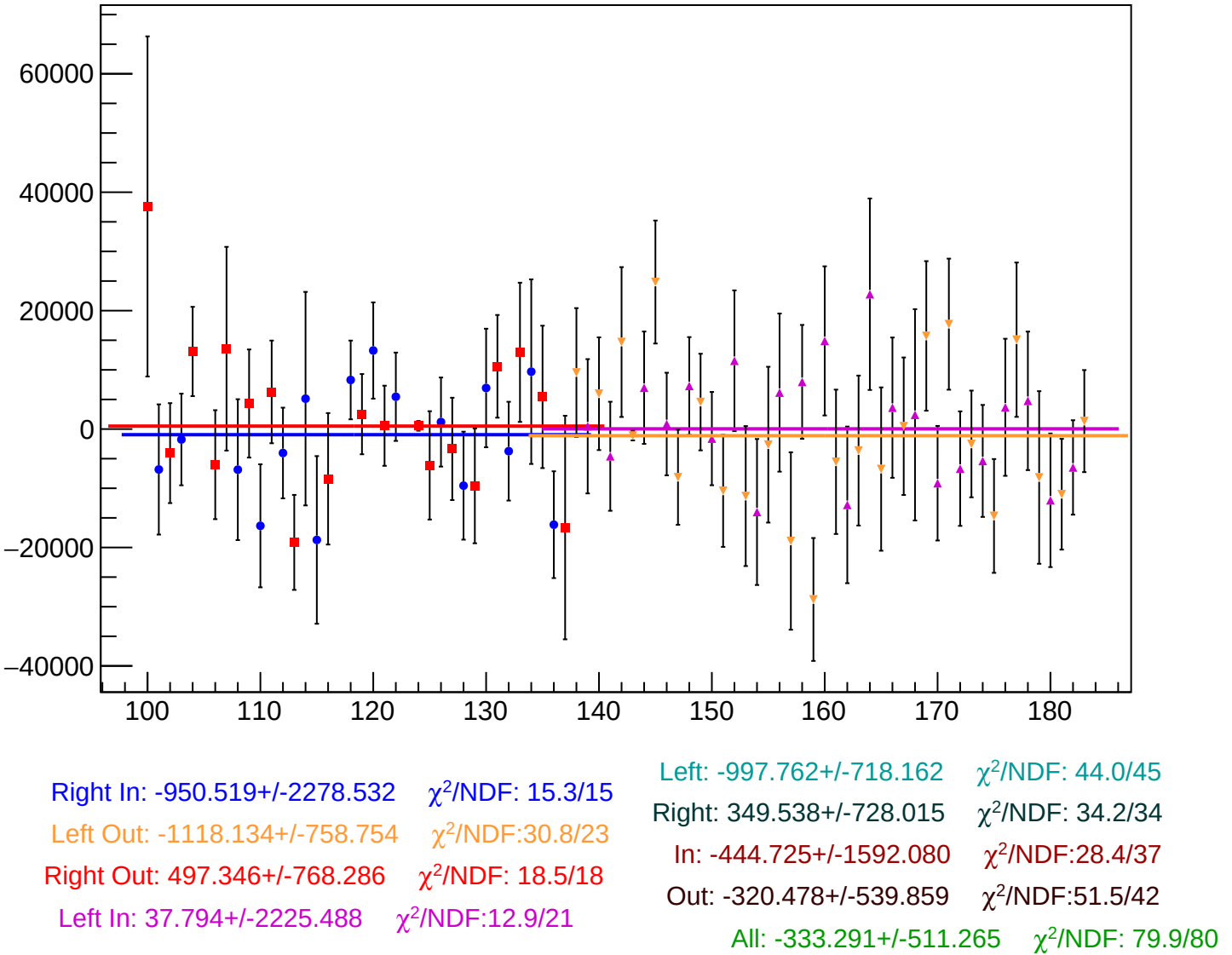
Left: 2425.579+/-0.284 χ^2/NDF: 1330750.0/45

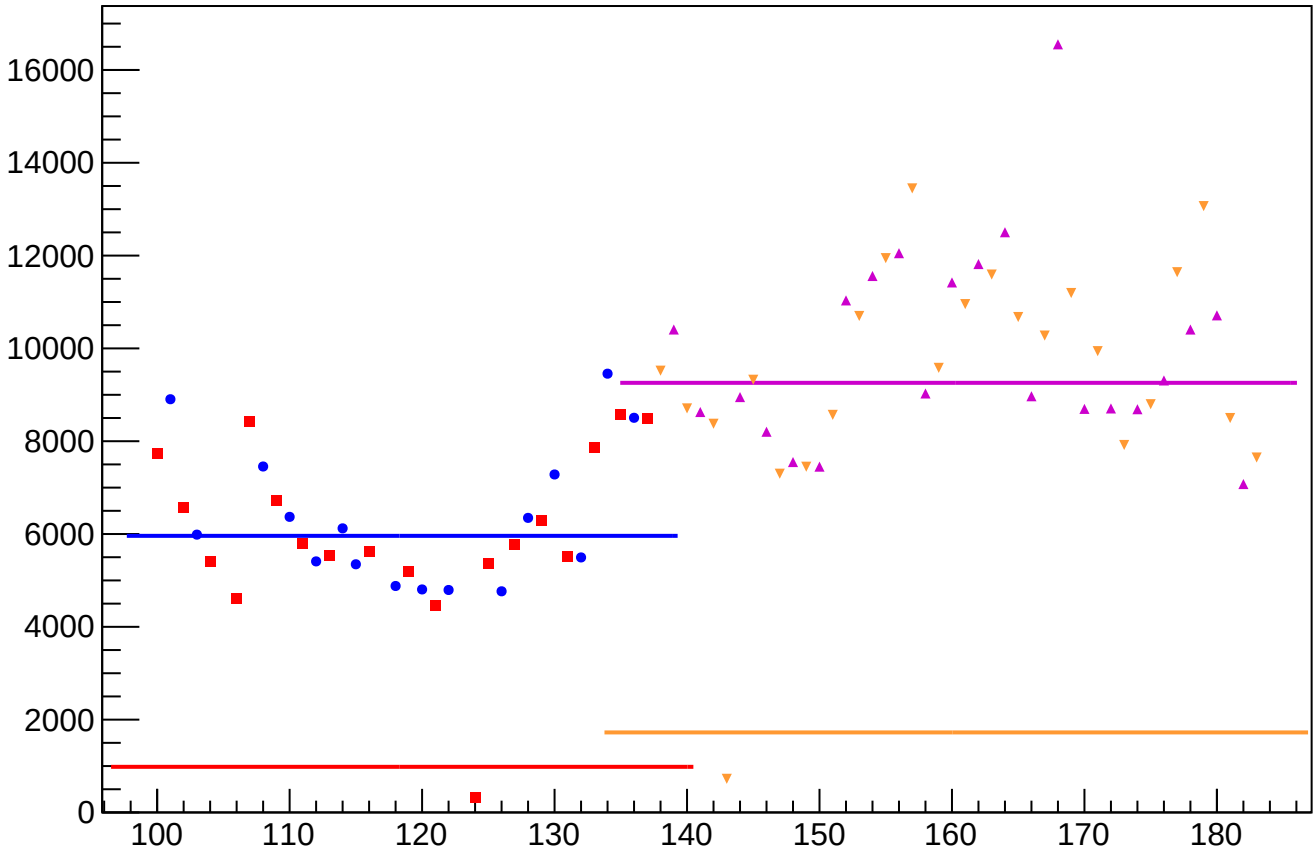
Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2280.523+/-0.324 χ^2/NDF:994084.0/37

Out: 2285.533+/-0.319 χ^2/NDF:1692957.4/42

All: 2283.065+/-0.228 χ^2/NDF: 2687162.6/80


asym_atl2_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -950.519+/-2278.532 χ²/NDF: 15.3/15
Left Out: -1118.134+/-758.754 χ²/NDF:30.8/23
Right Out: 497.346+/-768.286 χ²/NDF: 18.5/18
Left In: 37.794+/-2225.488 χ²/NDF:12.9/21
Left: -997.762+/-718.162 χ²/NDF: 44.0/45
Right: 349.538+/-728.015 χ²/NDF: 34.2/34
In: -444.725+/-1592.080 χ²/NDF:28.4/37
Out: -320.478+/-539.859 χ²/NDF:51.5/42
All: -333.291+/-511.265 χ²/NDF: 79.9/80



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1724.689+/-0.537 χ^2/NDF:27423858.8/23

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: 2509.181+/-0.508 χ^2/NDF: 49182984.5/45

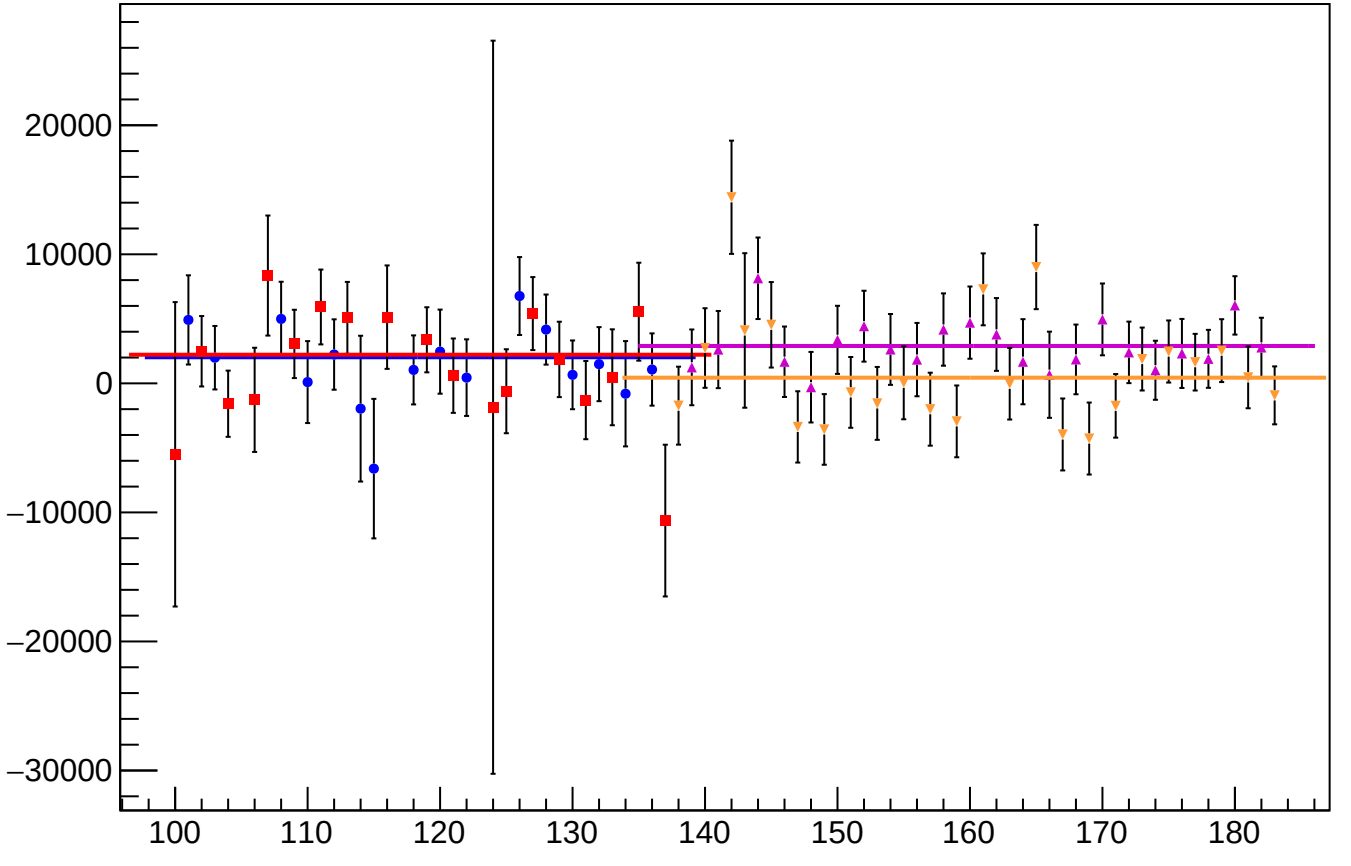
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7648.301+/-1.126 χ^2/NDF:4060875.0/37

Out: 1358.630+/-0.382 χ^2/NDF:39783337.7/42

All: 2007.250+/-0.362 χ^2/NDF: 71839699.0/8

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 439.250+/-563.247 χ^2/NDF:41.7/23

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: 1646.835+/-401.643 χ^2/NDF: 61.1/45

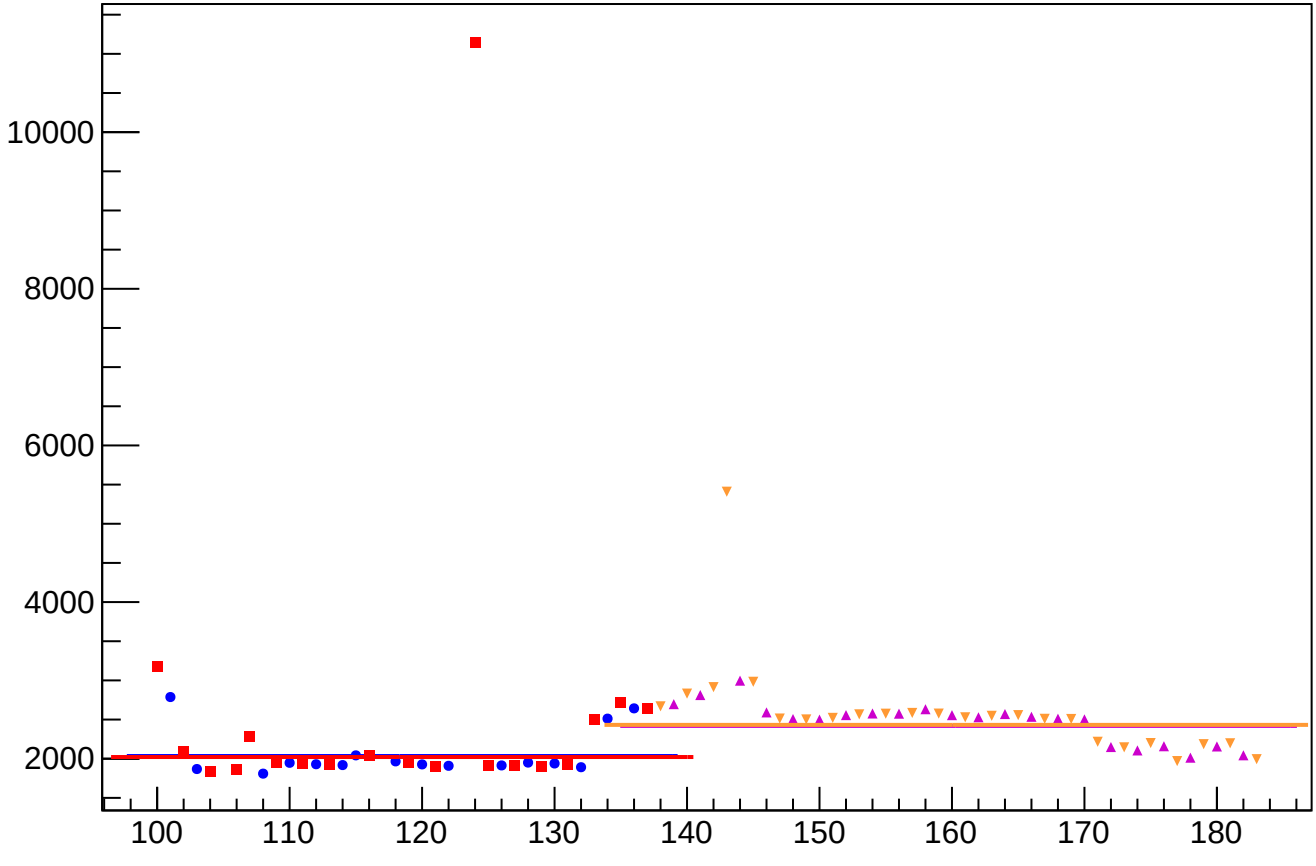
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2582.006+/-458.423 χ^2/NDF:20.5/37

Out: 1074.401+/-451.703 χ^2/NDF:63.4/42

All: 1817.072+/-321.752 χ^2/NDF: 89.3/80

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2432.013+/-0.398 χ^2/NDF:923590.8/23

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2418.922+/-0.405 χ^2/NDF:406628.2/21

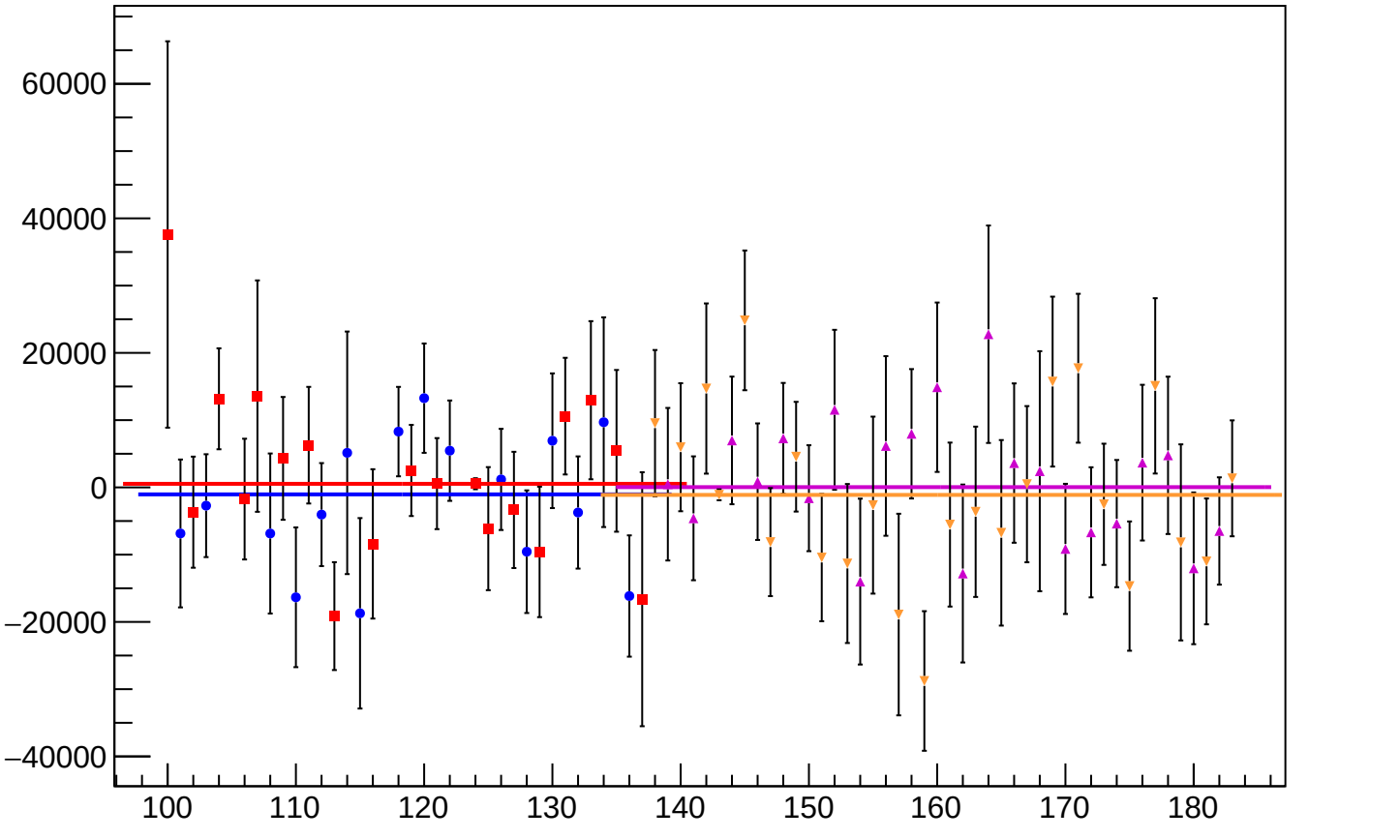
Left: 2425.579+/-0.284 χ^2/NDF: 1330749.9/45

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2280.523+/-0.324 χ^2/NDF:994084.1/37

Out: 2285.543+/-0.319 χ^2/NDF:1692924.5/42

All: 2283.070+/-0.228 χ^2/NDF: 2687130.2/80



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1117.902+/-758.689 χ^2/NDF:30.8/23

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 37.946+/-2225.485 χ^2/NDF:12.9/21

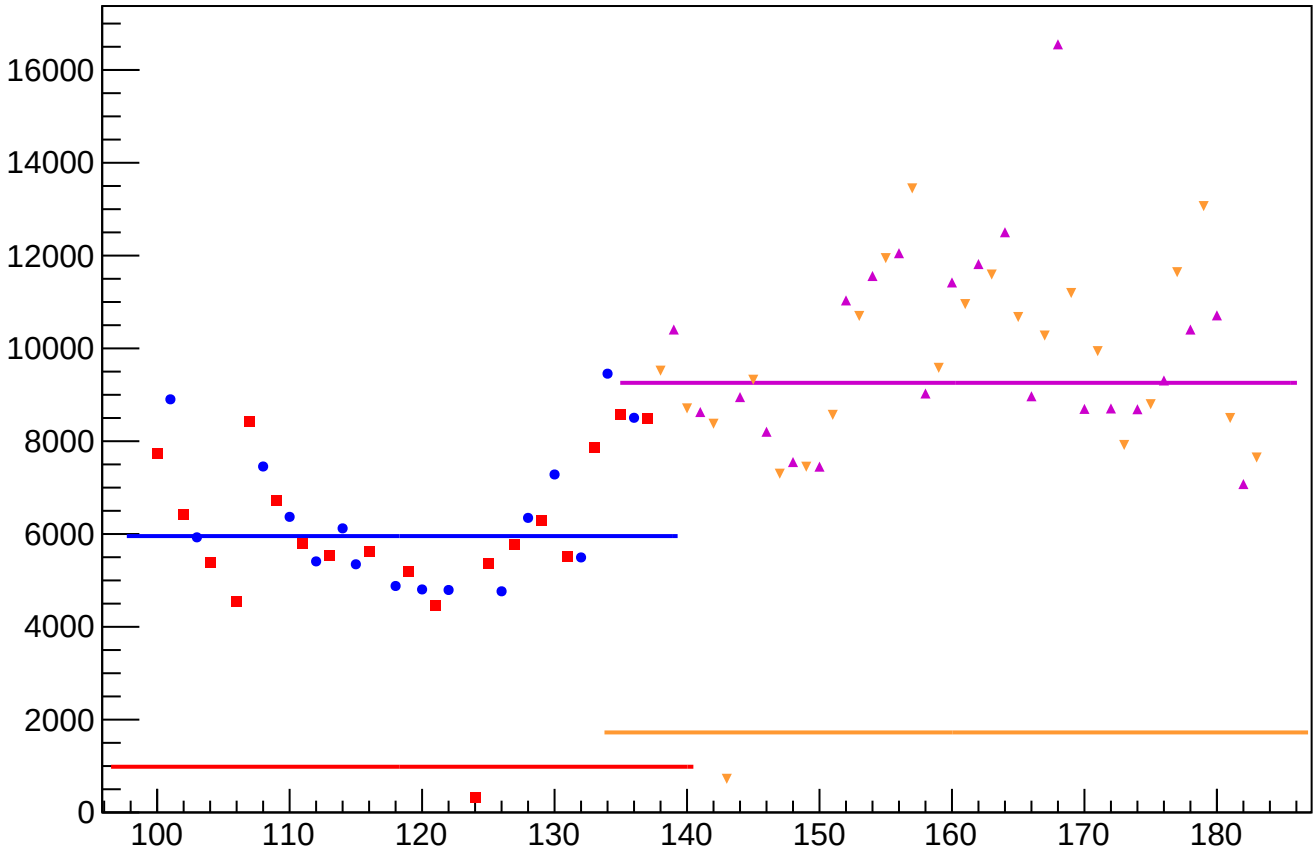
Left: -997.557+/-718.107 χ^2/NDF: 44.0/45

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -487.884+/-1591.276 χ^2/NDF:28.4/37

Out: -303.617+/-539.718 χ^2/NDF:51.2/42

All: -322.628+/-511.119 χ^2/NDF: 79.7/80



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1724.456+/-0.536 χ^2/NDF:27424880.2/23

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9258.132+/-1.574 χ^2/NDF:1228099.0/21

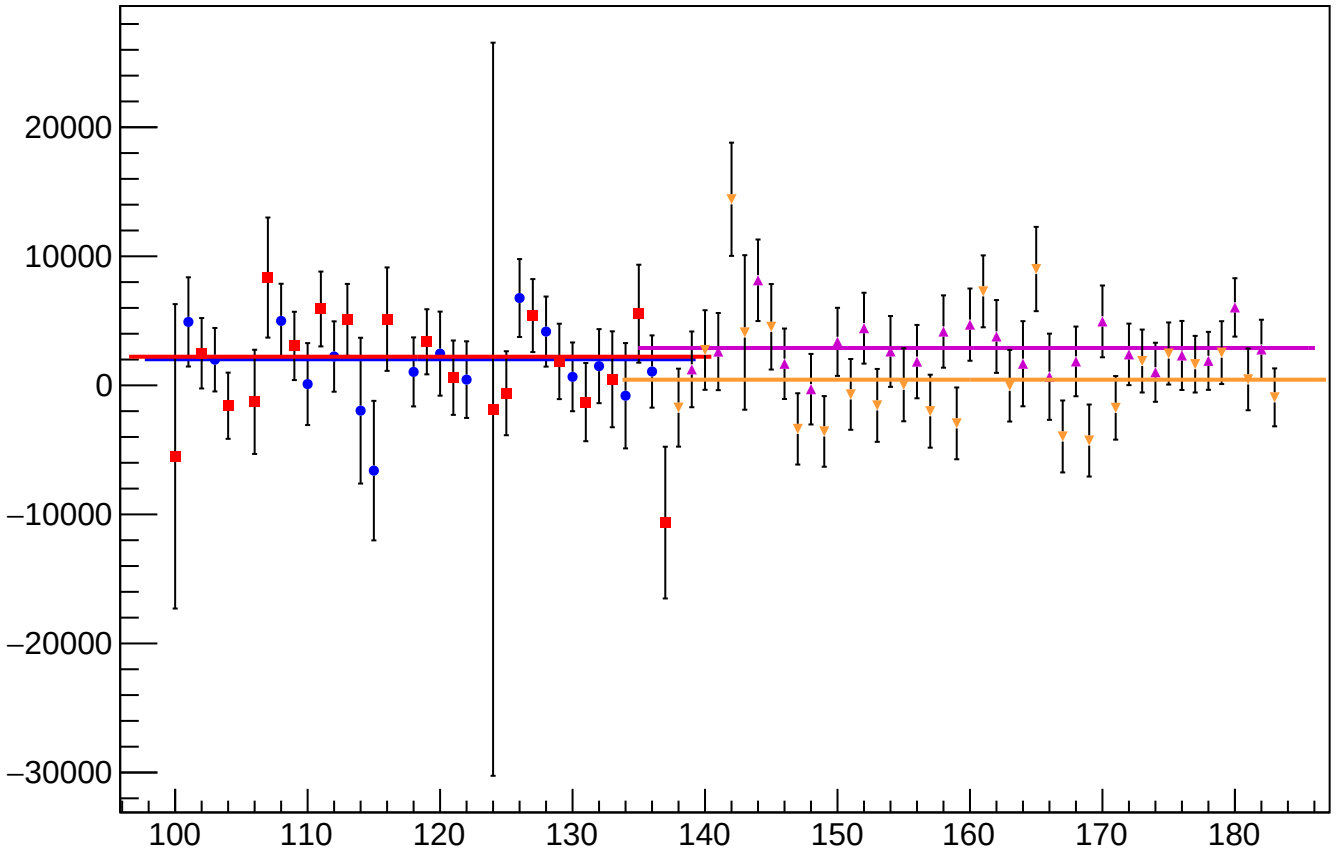
Left: 2508.853+/-0.508 χ^2/NDF: 49185623.4/45

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7644.071+/-1.125 χ^2/NDF:4069736.6/37

Out: 1359.234+/-0.382 χ^2/NDF:39776031.5/42

All: 2007.639+/-0.361 χ^2/NDF: 71825081.9/8



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 439.250+/-563.247 χ^2/NDF:41.7/23

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2896.142+/-572.895 χ^2/NDF:10.0/21

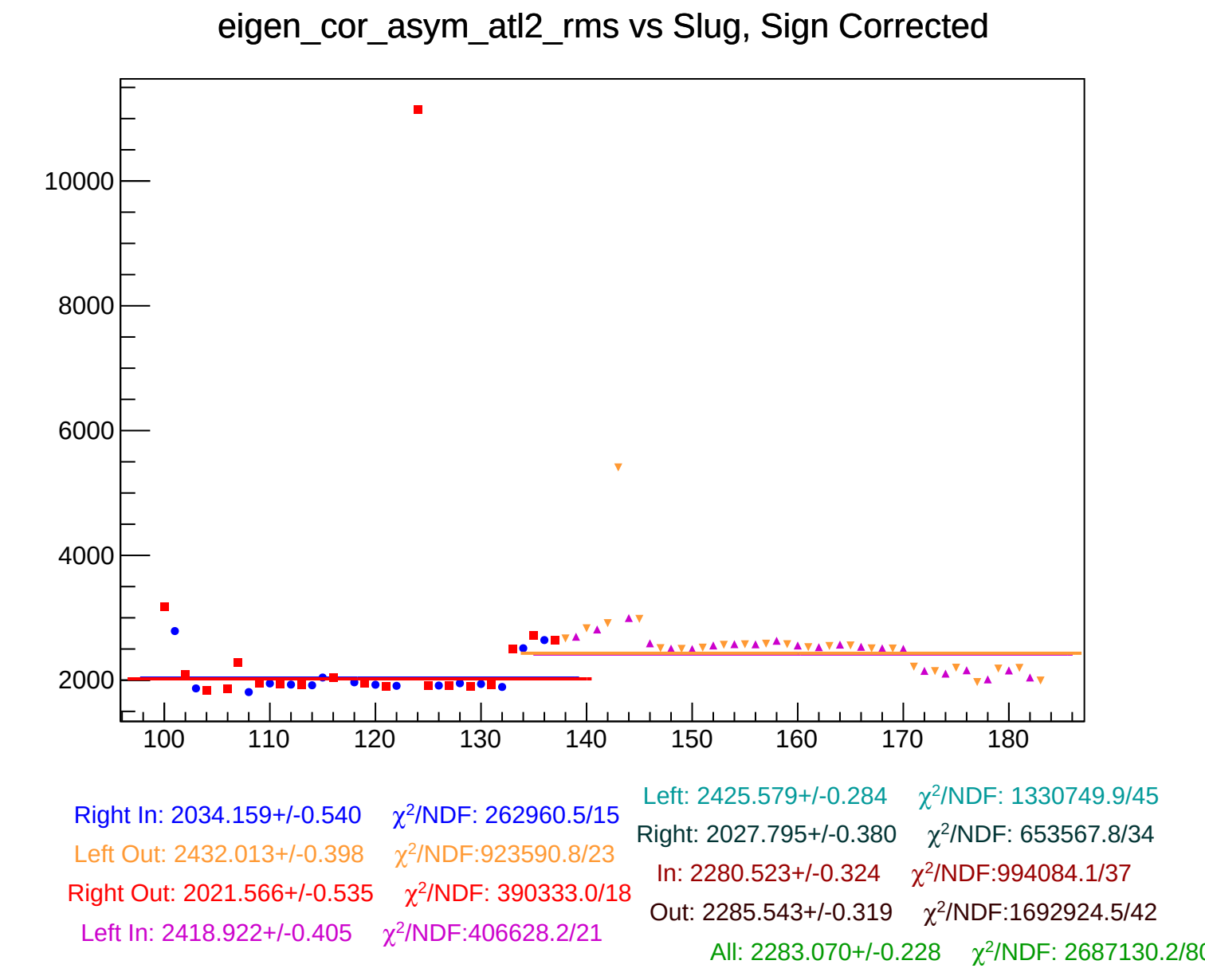
Left: 1646.835+/-401.643 χ^2/NDF: 61.1/45

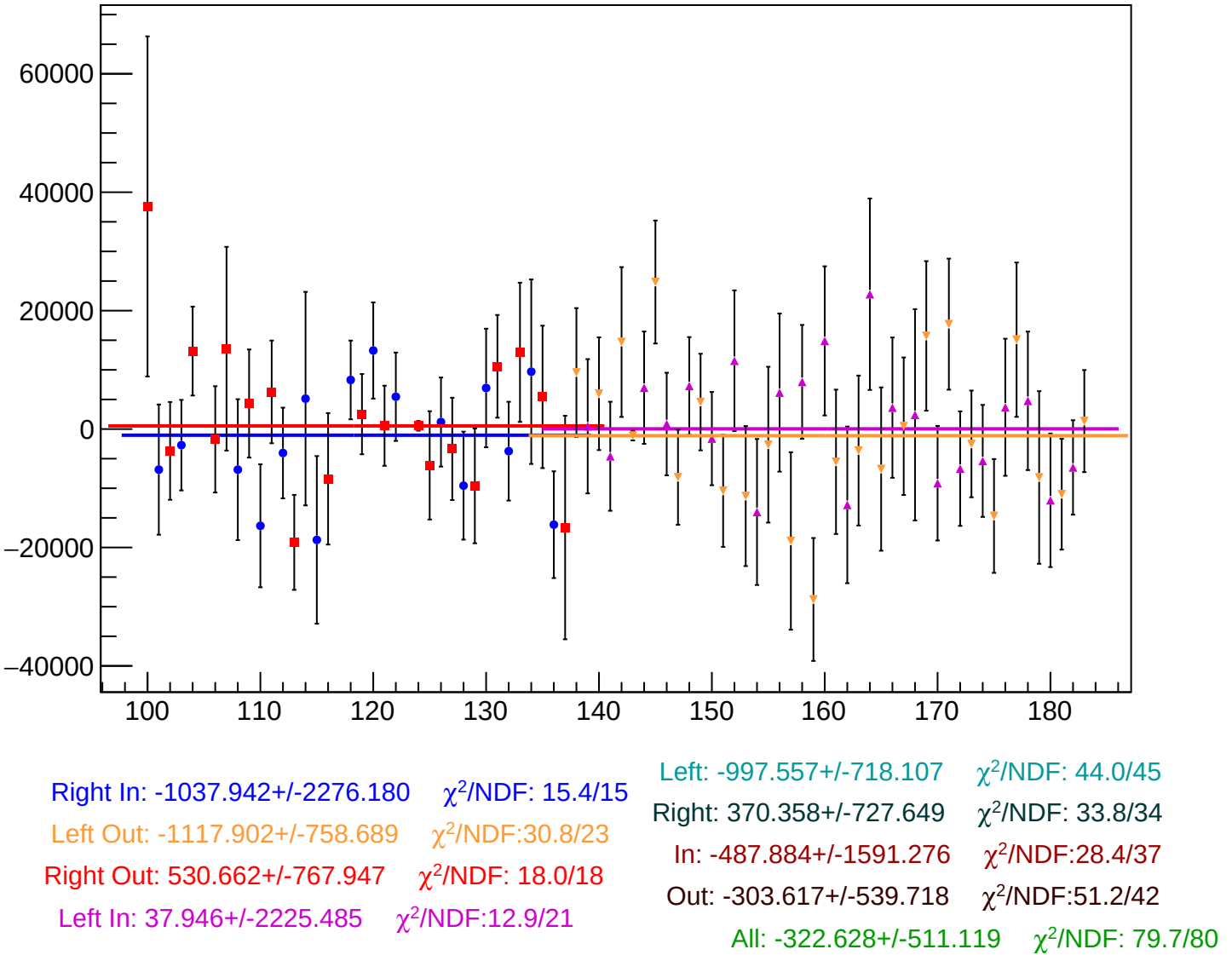
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

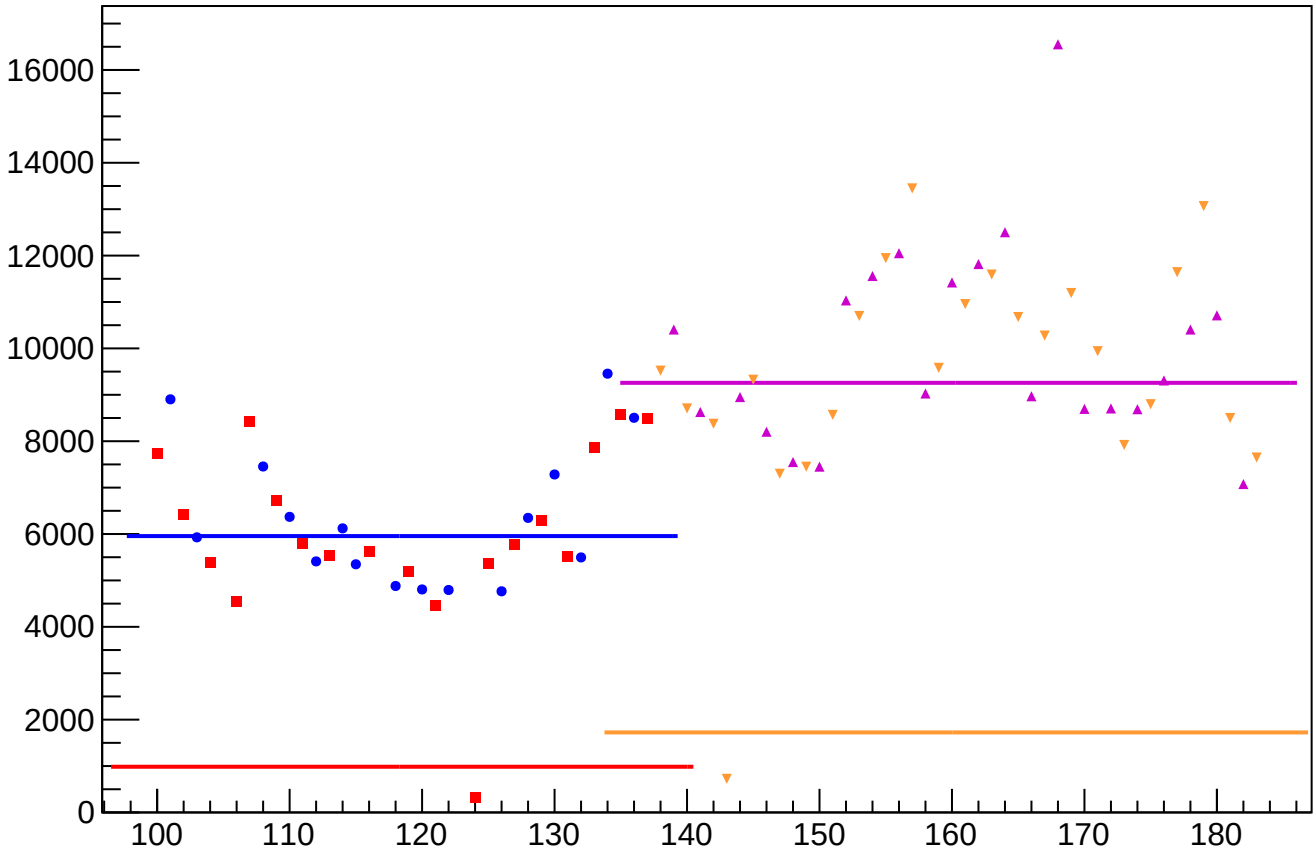
In: 2582.006+/-458.423 χ^2/NDF:20.5/37

Out: 1074.401+/-451.703 χ^2/NDF:63.4/42

All: 1817.072+/-321.752 χ^2/NDF: 89.3/80


eigen_cor_asym_atl2_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
Right In: 2034.159+/-0.540 χ²/NDF: 262960.5/15
Left Out: 2432.013+/-0.398 χ²/NDF:923590.8/23
Right Out: 2021.566+/-0.535 χ²/NDF: 390333.0/18
Left In: 2418.922+/-0.405 χ²/NDF:406628.2/21
Left: 2425.579+/-0.284 χ²/NDF: 1330749.9/45
Right: 2027.795+/-0.380 χ²/NDF: 653567.8/34
In: 2280.523+/-0.324 χ²/NDF:994084.1/37
Out: 2285.543+/-0.319 χ²/NDF:1692924.5/42
All: 2283.070+/-0.228 χ²/NDF: 2687130.2/80


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1117.902+/-758.689 χ²/NDF:30.8/23
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 37.946+/-2225.485 χ²/NDF:12.9/21
Left: -997.557+/-718.107 χ²/NDF: 44.0/45
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -487.884+/-1591.276 χ²/NDF:28.4/37
Out: -303.617+/-539.718 χ²/NDF:51.2/42
All: -322.628+/-511.119 χ²/NDF: 79.7/80



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1724.456+/-0.536 χ^2/NDF:27424880.2/23

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9258.132+/-1.574 χ^2/NDF:1228099.0/21

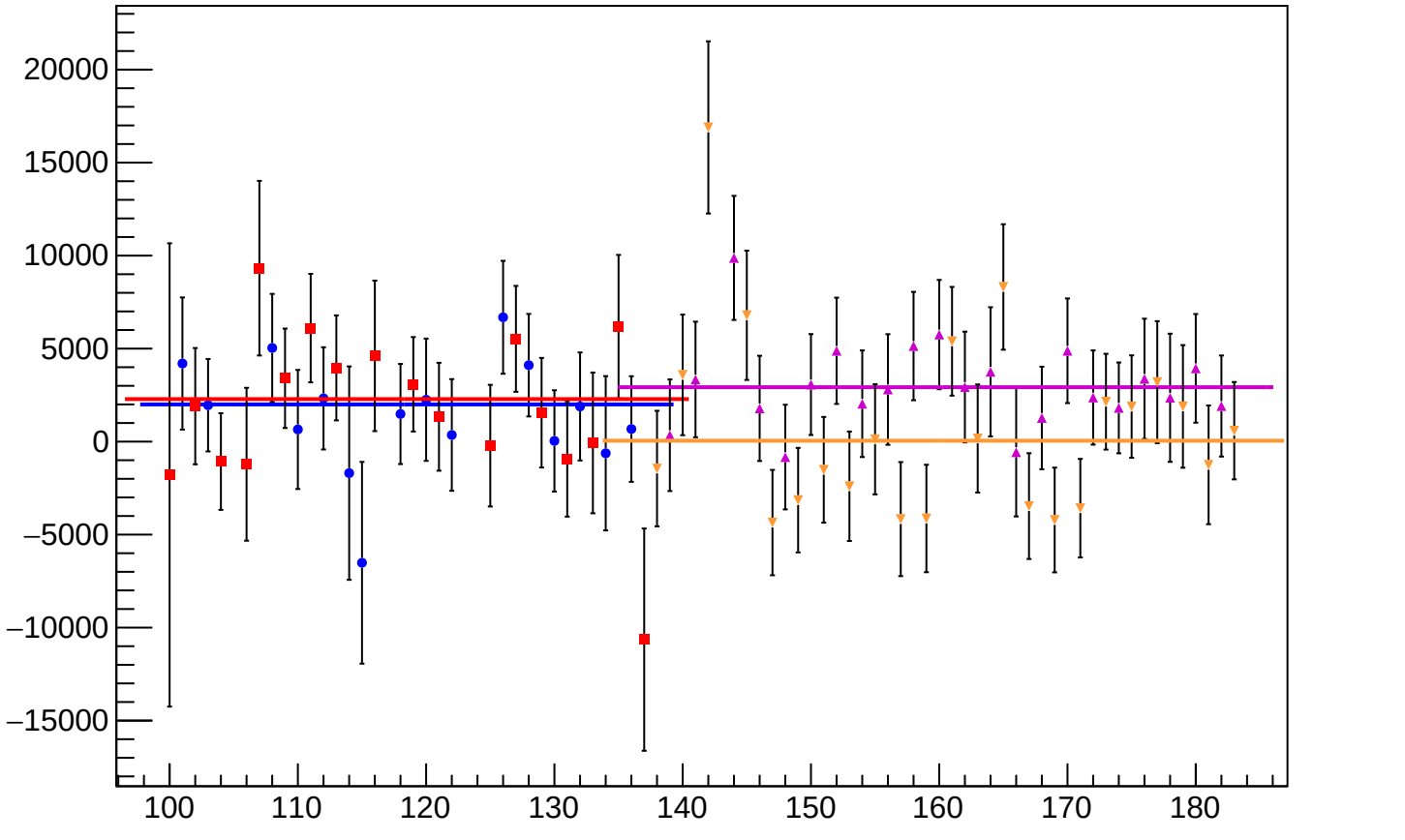
Left: 2508.853+/-0.508 χ^2/NDF: 49185623.4/45

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7644.071+/-1.125 χ^2/NDF:4069736.6/37

Out: 1359.234+/-0.382 χ^2/NDF:39776031.5/42

All: 2007.639+/-0.361 χ^2/NDF: 71825081.9/8



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 51.004+/-621.828 χ^2/NDF:44.7/22

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: 1485.709+/-440.098 χ^2/NDF: 67.0/44

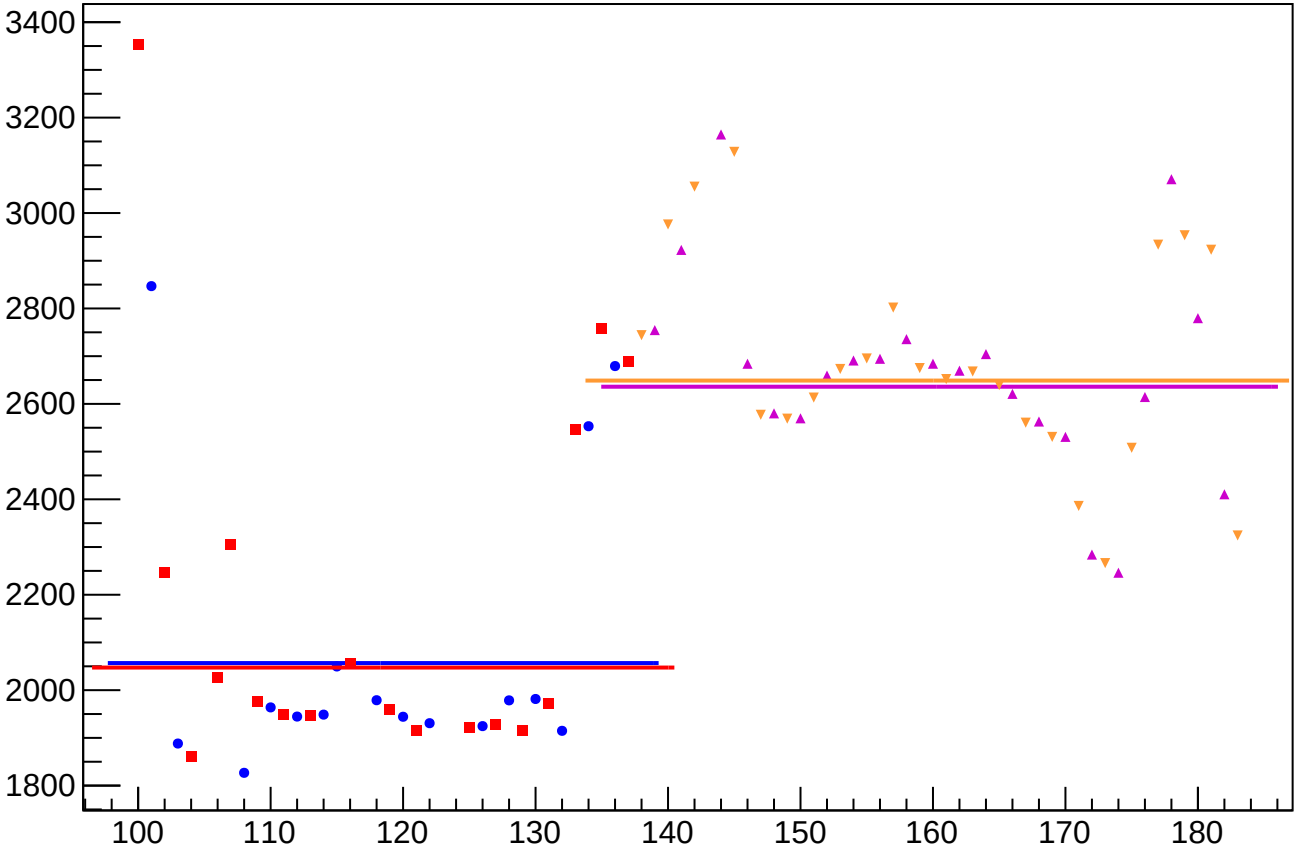
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2561.168+/-485.183 χ^2/NDF:21.5/37

Out: 931.396+/-484.097 χ^2/NDF:66.5/40

All: 1744.455+/-342.691 χ^2/NDF: 93.6/78

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2648.878+/-0.440 χ^2/NDF:236914.4/22

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2635.989+/-0.440 χ^2/NDF:222860.7/21

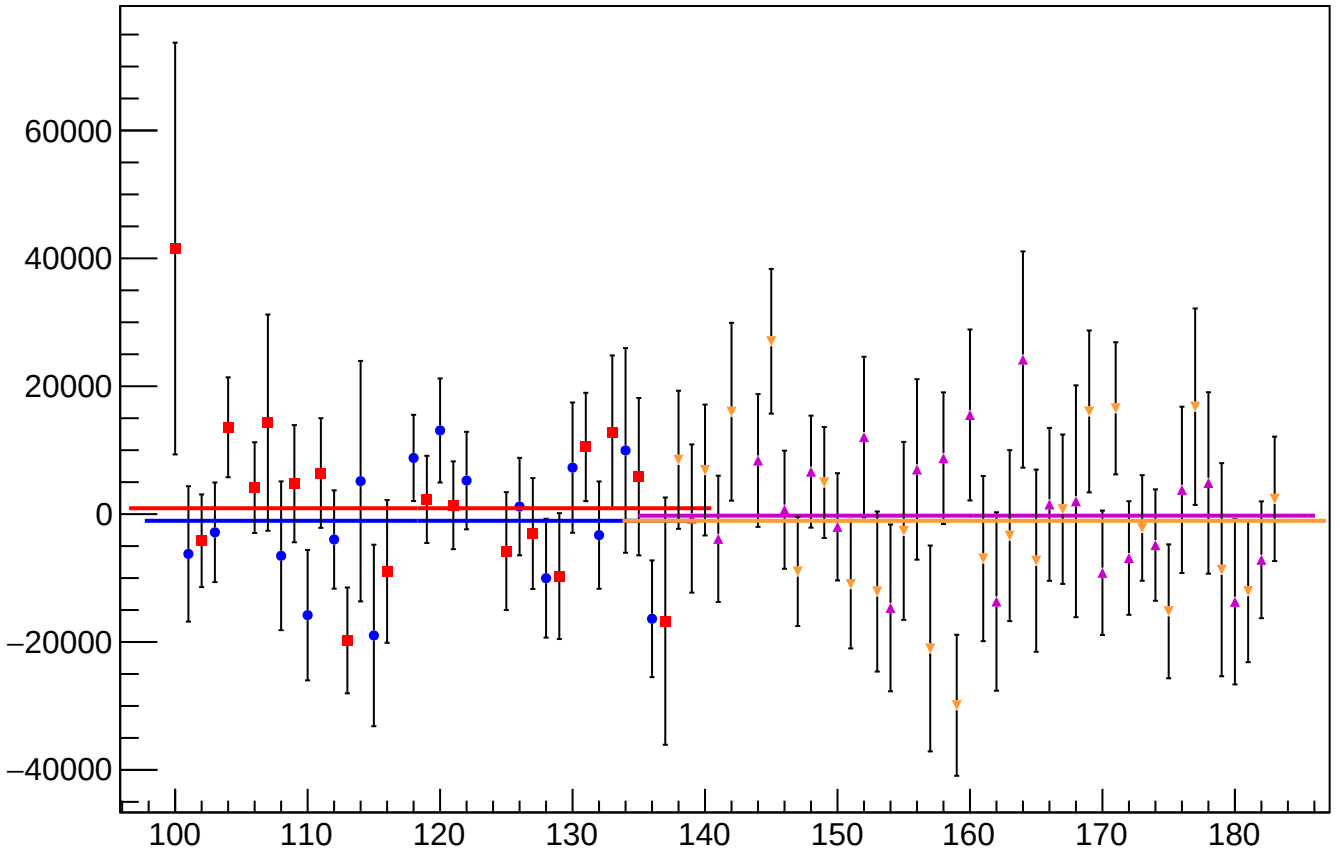
Left: 2642.445+/-0.311 χ^2/NDF: 460203.9/44

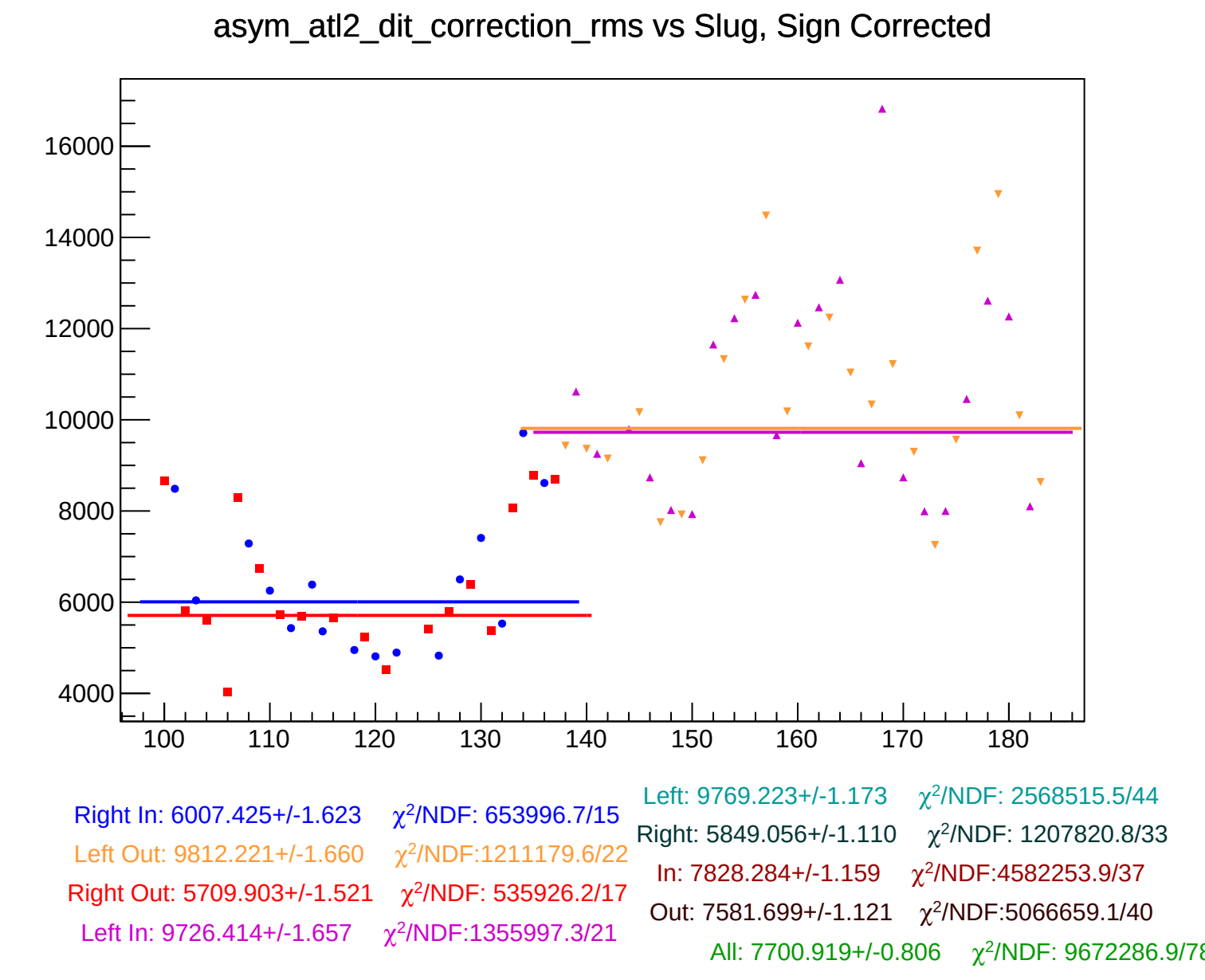
Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

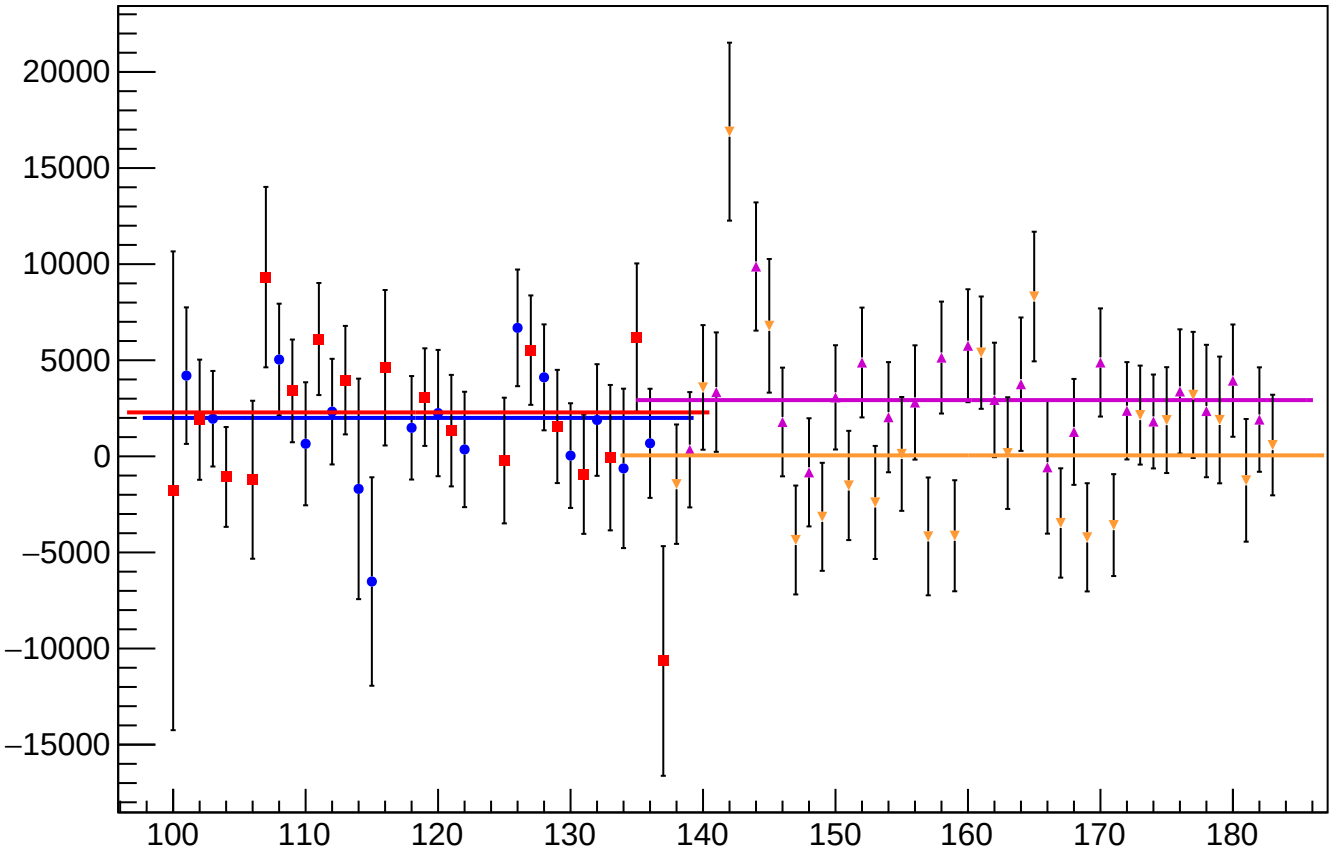
In: 2408.127+/-0.343 χ^2/NDF:1173470.1/37

Out: 2411.504+/-0.342 χ^2/NDF:1171921.3/40

All: 2409.820+/-0.242 χ^2/NDF: 2345439.9/78


asym_atl2_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1042.515+/-2294.607 χ²/NDF: 15.3/15
Left Out: -1042.432+/-2347.973 χ²/NDF:30.2/22
Right Out: 919.663+/-2150.895 χ²/NDF: 18.4/17
Left In: -239.653+/-2342.788 χ²/NDF:12.7/21
Left: -640.155+/-1658.431 χ²/NDF: 43.0/44
Right: 1.940+/-1569.260 χ²/NDF: 34.1/33
In: -649.425+/-1639.301 χ²/NDF:28.1/37
Out: 24.403+/-1586.017 χ²/NDF:49.0/40
All: -301.382+/-1139.855 χ²/NDF: 77.1/78


asym_atl2_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: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 9812.221+/-1.660 χ²/NDF:1211179.6/22
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 9726.414+/-1.657 χ²/NDF:1355997.3/21
Left: 9769.223+/-1.173 χ²/NDF: 2568515.5/44
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 7828.284+/-1.159 χ²/NDF:4582253.9/37
Out: 7581.699+/-1.121 χ²/NDF:5066659.1/40
All: 7700.919+/-0.806 χ²/NDF: 9672286.9/78



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 50.995+/-621.829 χ^2/NDF:44.7/22

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 2925.631+/-622.959 χ^2/NDF:11.6/21

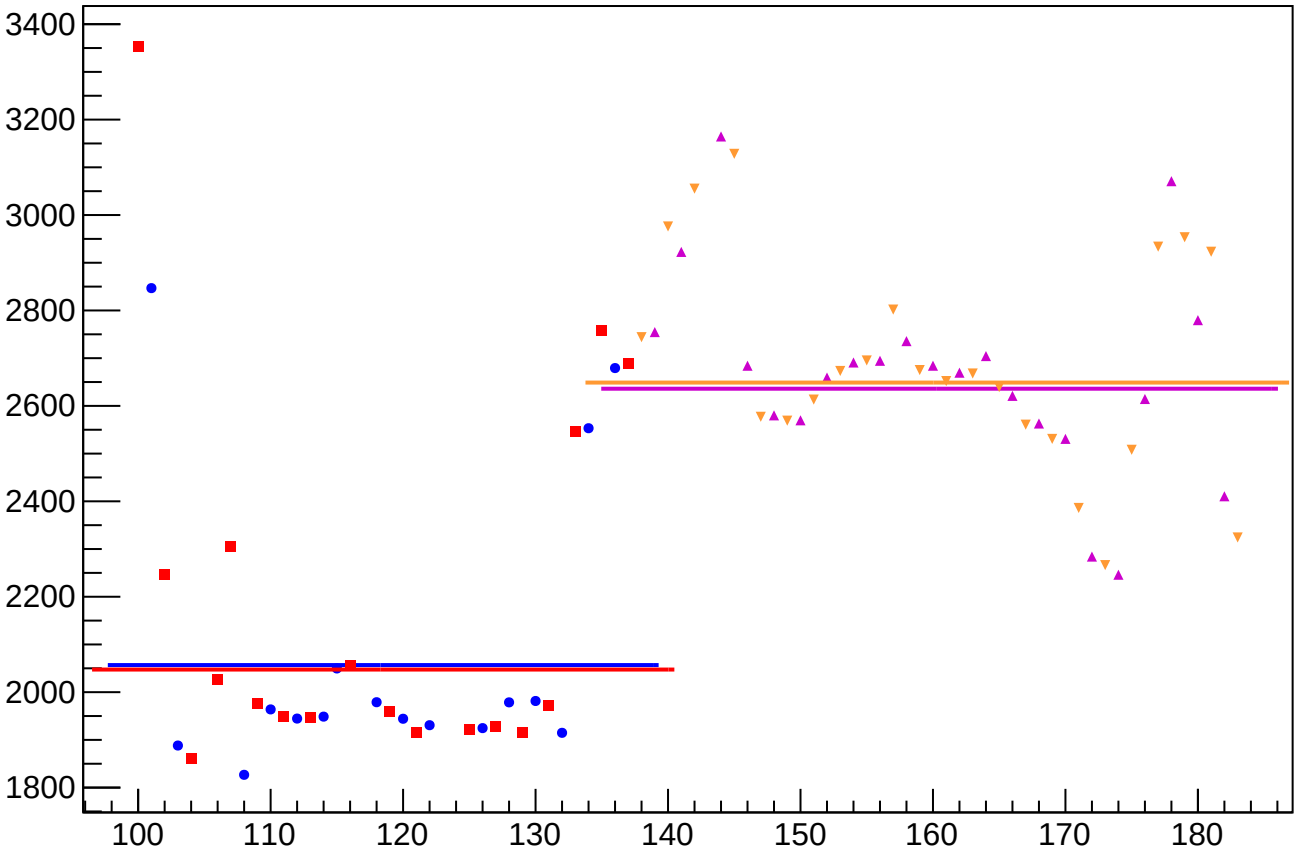
Left: 1485.704+/-440.098 χ^2/NDF: 67.0/44

Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2561.168+/-485.183 χ^2/NDF:21.5/37

Out: 931.393+/-484.097 χ^2/NDF:66.5/40

All: 1744.454+/-342.692 χ^2/NDF: 93.6/78



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2648.880+/-0.440 χ^2/NDF:236924.4/22

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2635.991+/-0.440 χ^2/NDF:222870.3/21

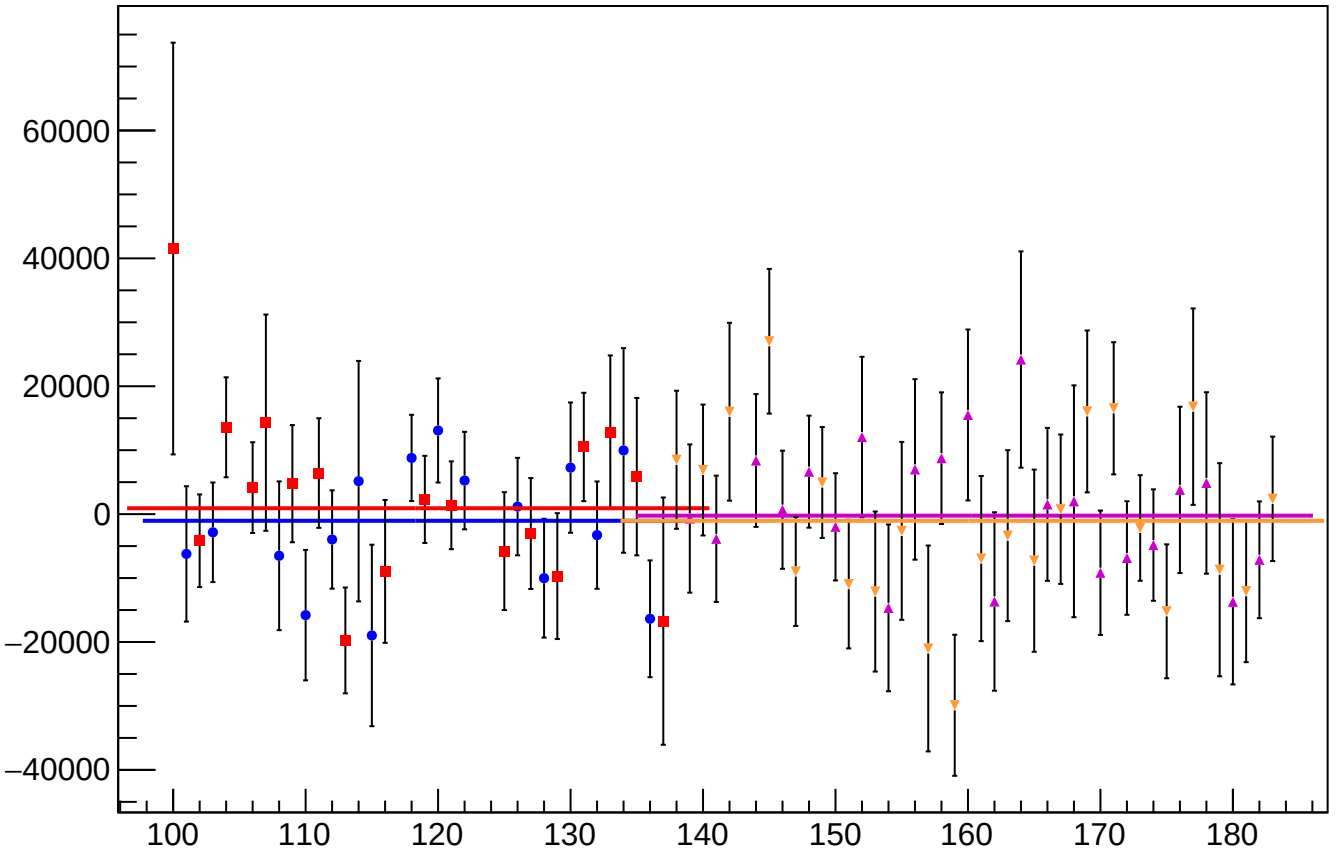
Left: 2642.447+/-0.311 χ^2/NDF: 460223.5/44

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2408.128+/-0.343 χ^2/NDF:1173483.8/37

Out: 2411.505+/-0.342 χ^2/NDF:1171936.7/40

All: 2409.821+/-0.242 χ^2/NDF: 2345469.1/78



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -1042.441+/-2347.977 χ^2/NDF:30.2/22

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: -239.654+/-2342.792 χ^2/NDF:12.7/21

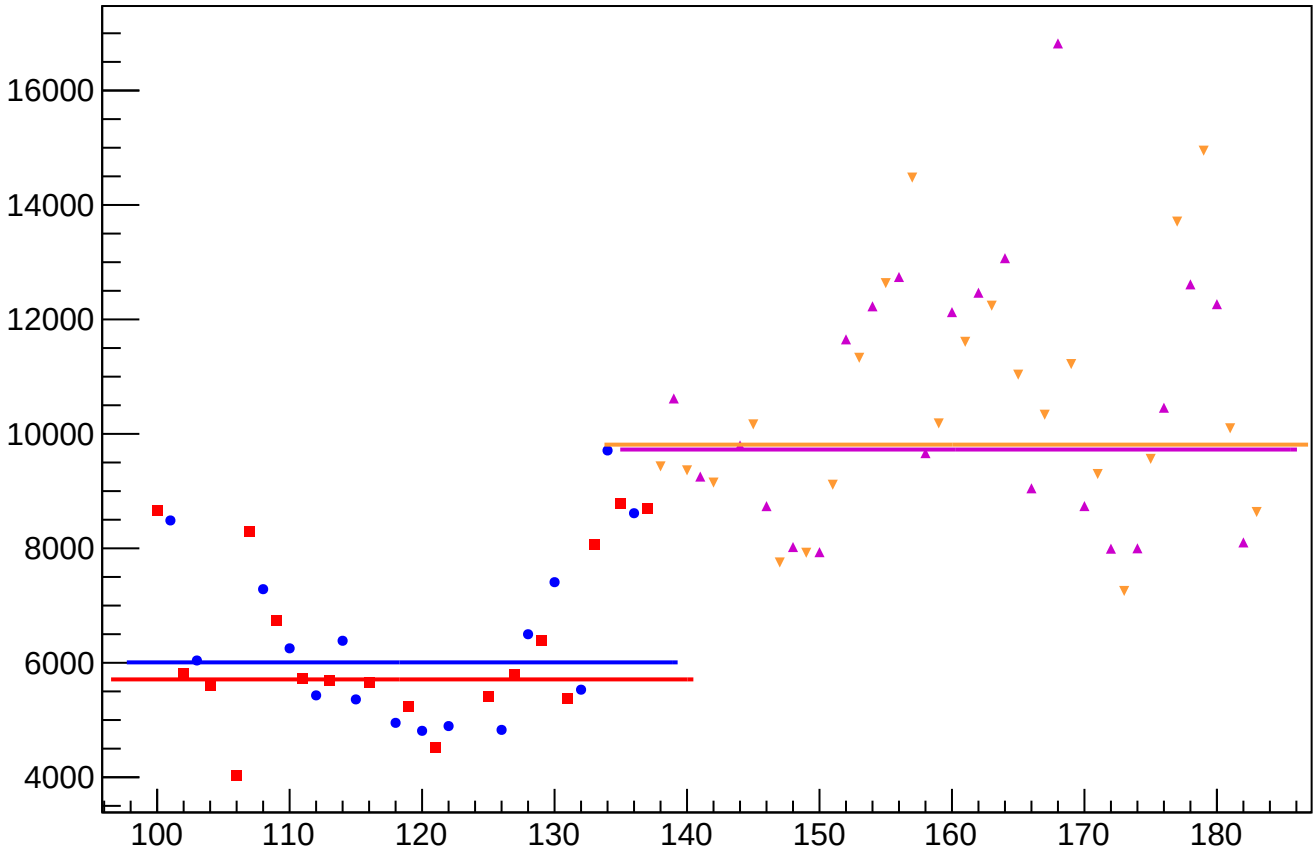
Left: -640.160+/-1658.434 χ^2/NDF: 43.0/44

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -649.421+/-1639.300 χ^2/NDF:28.1/37

Out: 24.406+/-1586.015 χ^2/NDF:49.0/40

All: -301.379+/-1139.854 χ^2/NDF: 77.1/78



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9812.238+/-1.660 χ^2/NDF:1211179.9/22

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9726.429+/-1.657 χ^2/NDF:1355999.1/21

Left: 9769.239+/-1.173 χ^2/NDF: 2568517.6/44

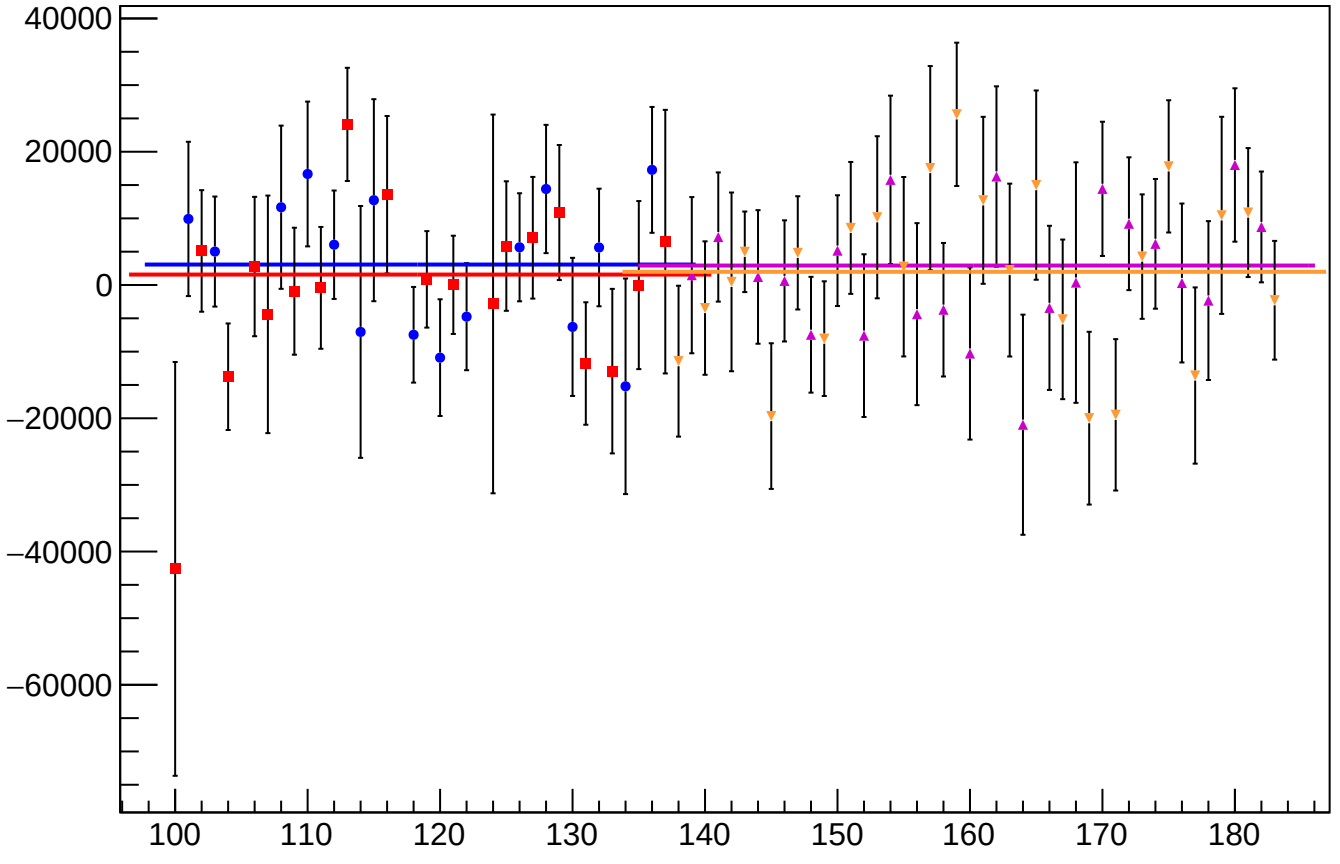
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7828.273+/-1.159 χ^2/NDF:4582315.9/37

Out: 7581.688+/-1.121 χ^2/NDF:5066720.5/40

All: 7700.908+/-0.806 χ^2/NDF: 9672410.4/78

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 1983.146+/-2156.903 χ^2/NDF:27.9/23

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 2919.216+/-2310.496 χ^2/NDF:13.0/21

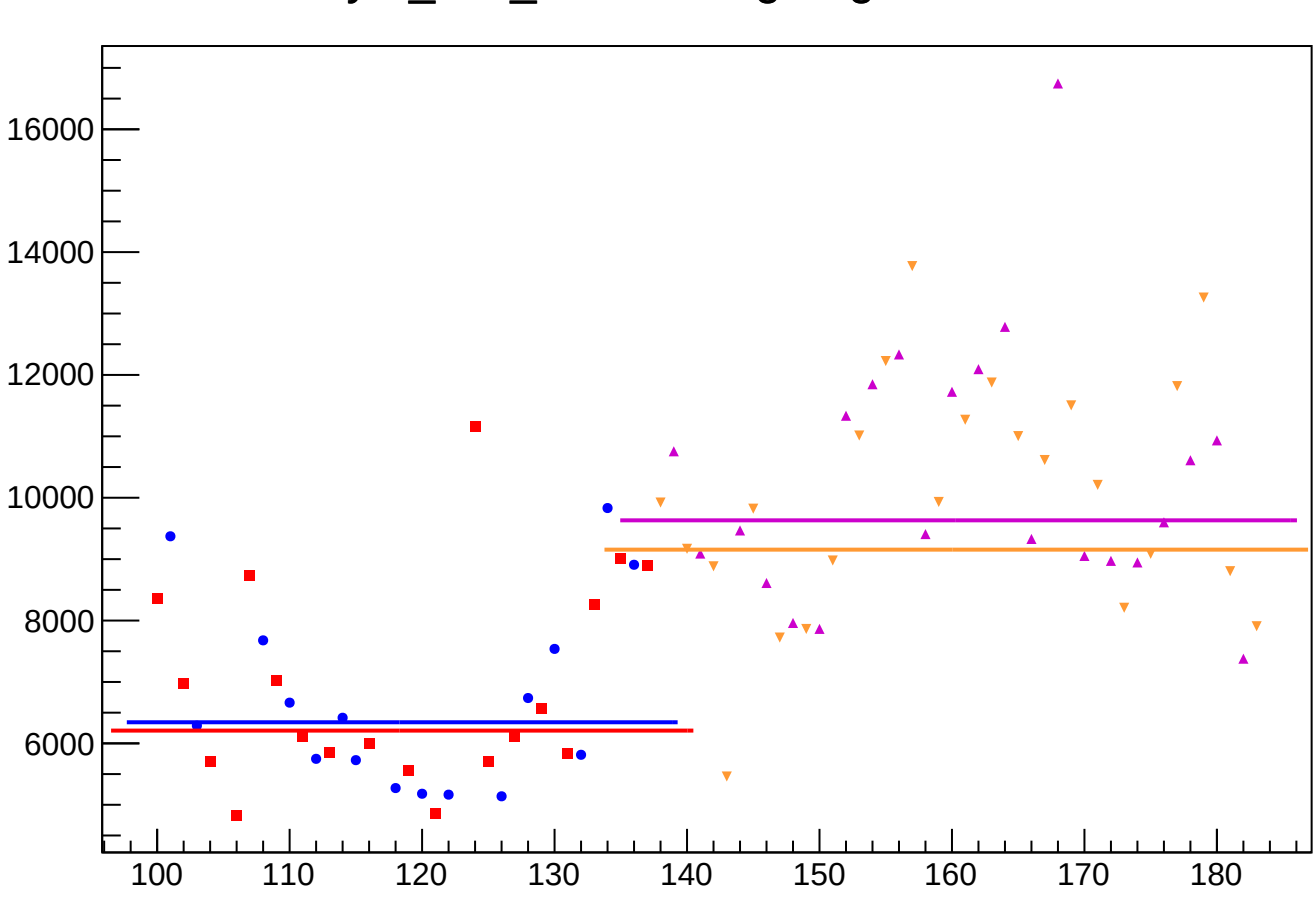
Left: 2419.036+/-1576.666 χ^2/NDF: 40.9/45

Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2991.237+/-1671.376 χ^2/NDF:27.8/37

Out: 1791.665+/-1584.662 χ^2/NDF:47.1/42

All: 2359.527+/-1149.959 χ^2/NDF: 75.2/80



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9154.821+/-1.525 χ^2/NDF:1799453.0/23

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9632.086+/-1.634 χ^2/NDF:1109183.5/21

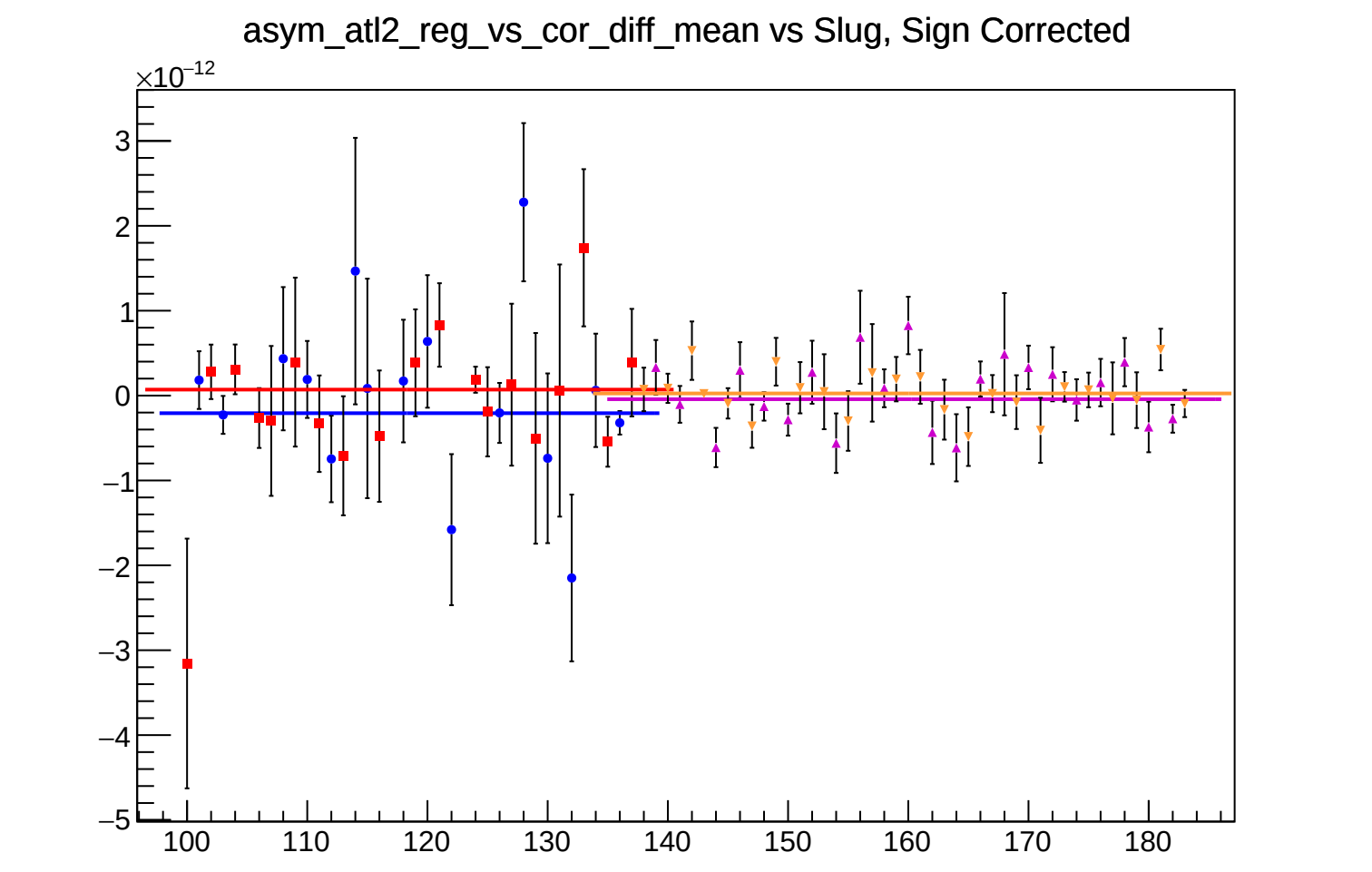
Left: 9377.064+/-1.115 χ^2/NDF: 2954235.6/45

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 8064.506+/-1.182 χ^2/NDF:3661589.2/37

Out: 7798.660+/-1.121 χ^2/NDF:3989278.4/42

All: 7924.508+/-0.813 χ^2/NDF: 7677513.7/80



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:36.1/21

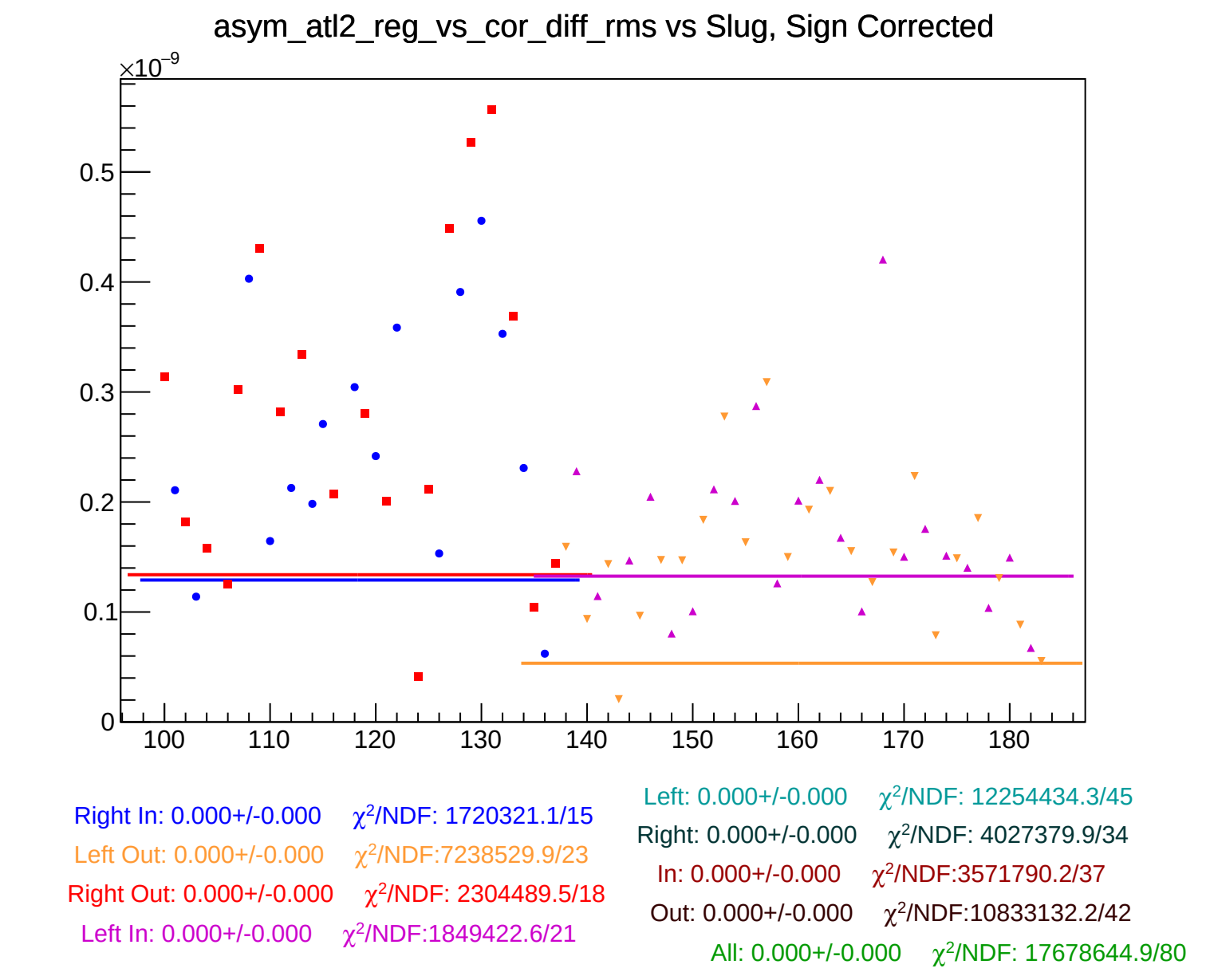
Left: 0.000+/-0.000 χ^2/NDF: 55.1/45

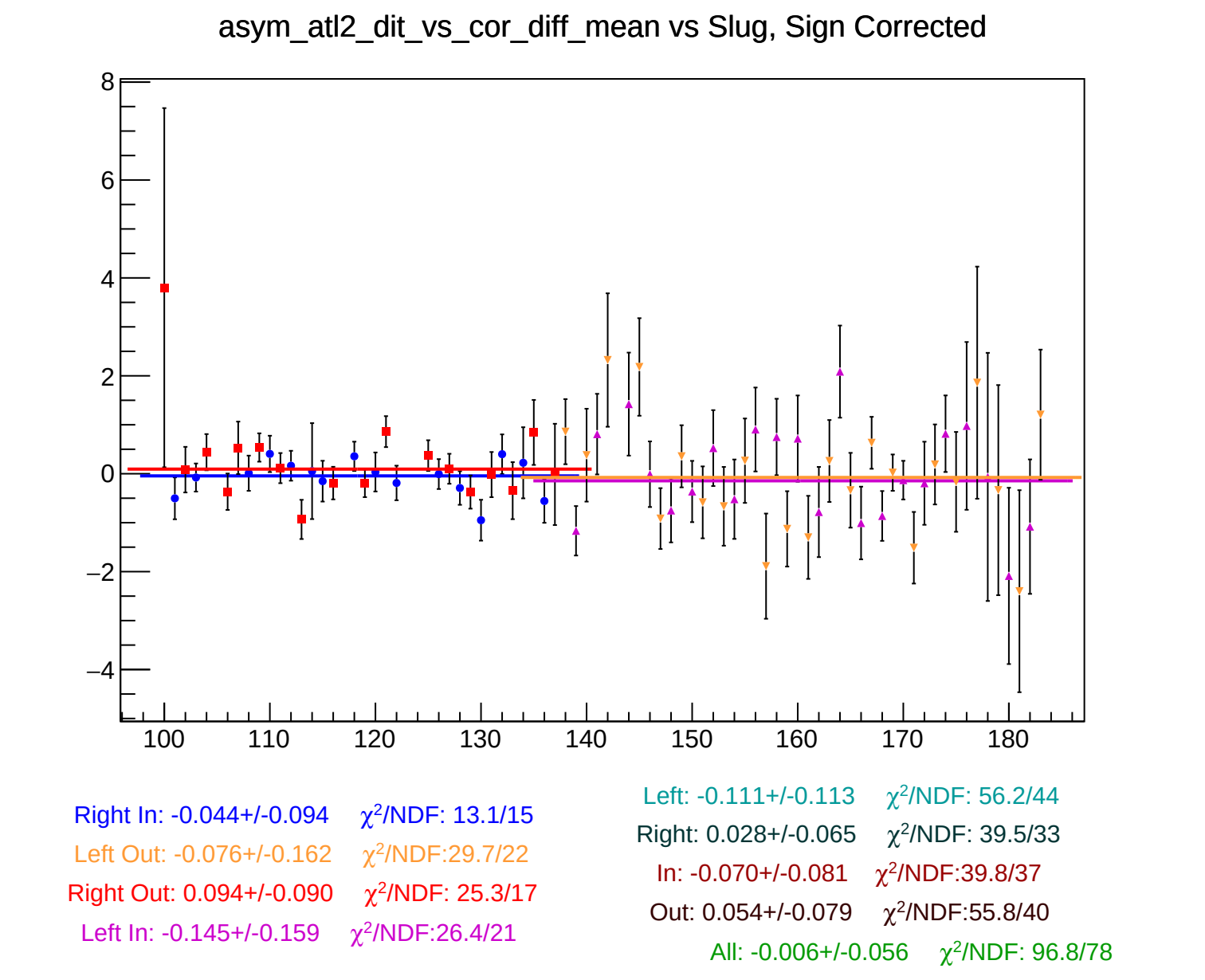
Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

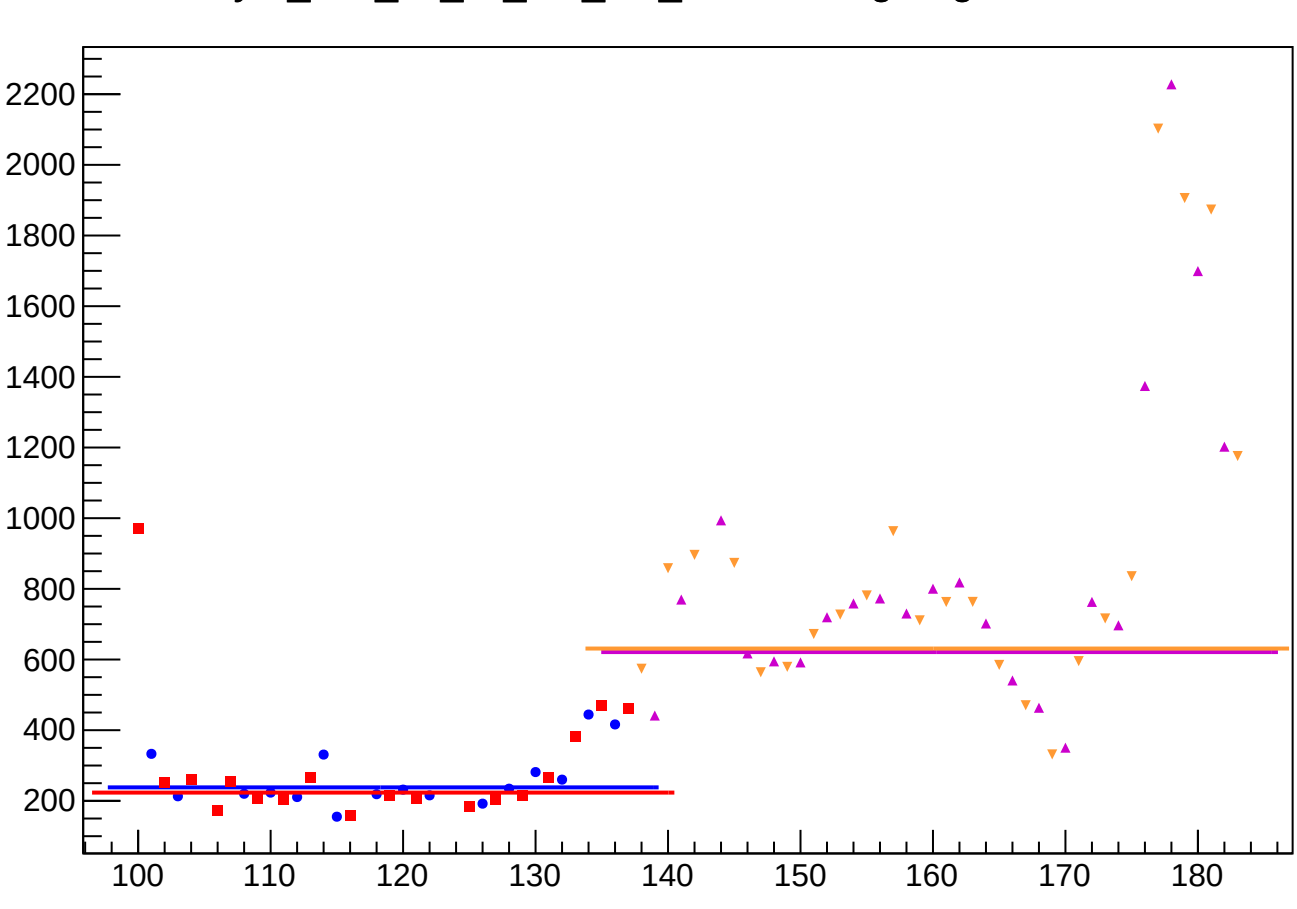
In: -0.000+/-0.000 χ^2/NDF:59.3/37

Out: 0.000+/-0.000 χ^2/NDF:38.9/42

All: -0.000+/-0.000 χ^2/NDF: 102.4/80


asym_atl2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1720321.1/15
Left Out: 0.000+/-0.000 χ²/NDF:7238529.9/23
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: 12254434.3/45
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:10833132.2/42
All: 0.000+/-0.000 χ²/NDF: 17678644.9/80


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.076+/-0.162 χ²/NDF:29.7/22
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.145+/-0.159 χ²/NDF:26.4/21
Left: -0.111+/-0.113 χ²/NDF: 56.2/44
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.070+/-0.081 χ²/NDF:39.8/37
Out: 0.054+/-0.079 χ²/NDF:55.8/40
All: -0.006+/-0.056 χ²/NDF: 96.8/78



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 631.081+/-0.114 χ^2/NDF:4904786.4/22

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 621.090+/-0.112 χ^2/NDF:4453066.6/21

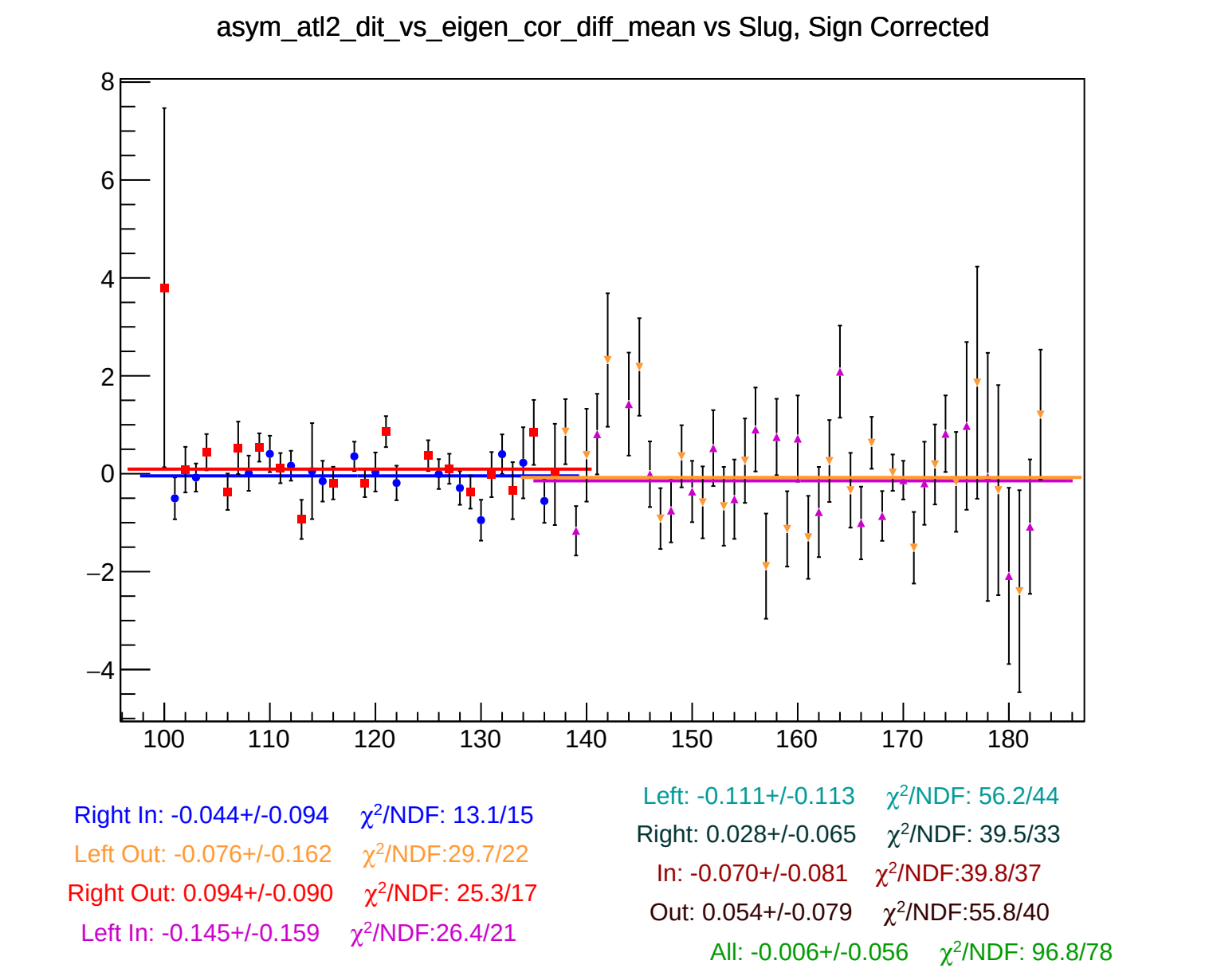
Left: 625.988+/-0.080 χ^2/NDF: 9361735.6/44

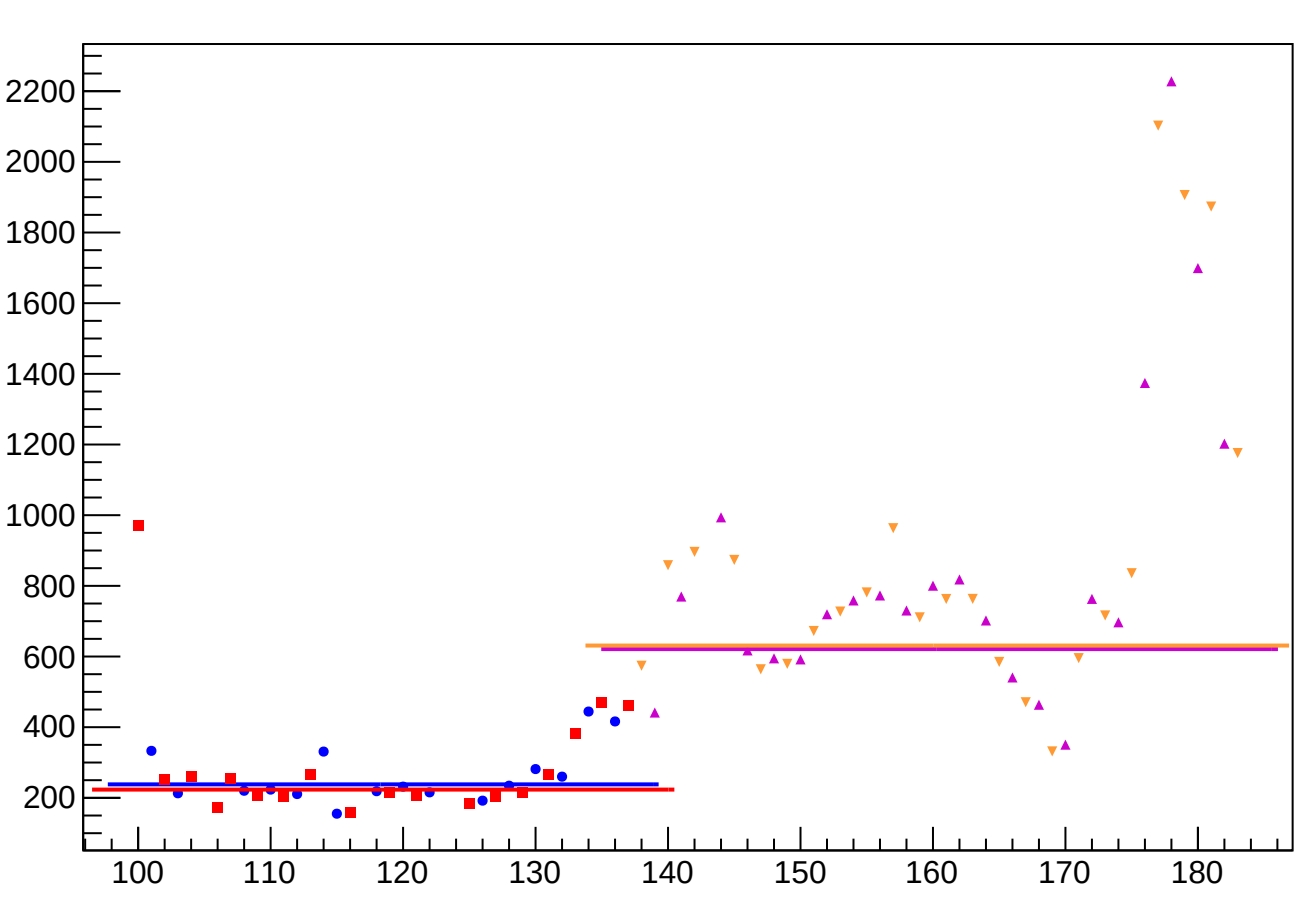
Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 337.226+/-0.057 χ^2/NDF:13883128.8/37

Out: 319.692+/-0.056 χ^2/NDF:15454199.7/40

All: 328.231+/-0.040 χ^2/NDF: 29385696.0/78


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.076+/-0.162 χ²/NDF:29.7/22
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.145+/-0.159 χ²/NDF:26.4/21
Left: -0.111+/-0.113 χ²/NDF: 56.2/44
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.070+/-0.081 χ²/NDF:39.8/37
Out: 0.054+/-0.079 χ²/NDF:55.8/40
All: -0.006+/-0.056 χ²/NDF: 96.8/78



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 631.081+/-0.114 χ^2/NDF:4904786.4/22

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 621.090+/-0.112 χ^2/NDF:4453066.6/21

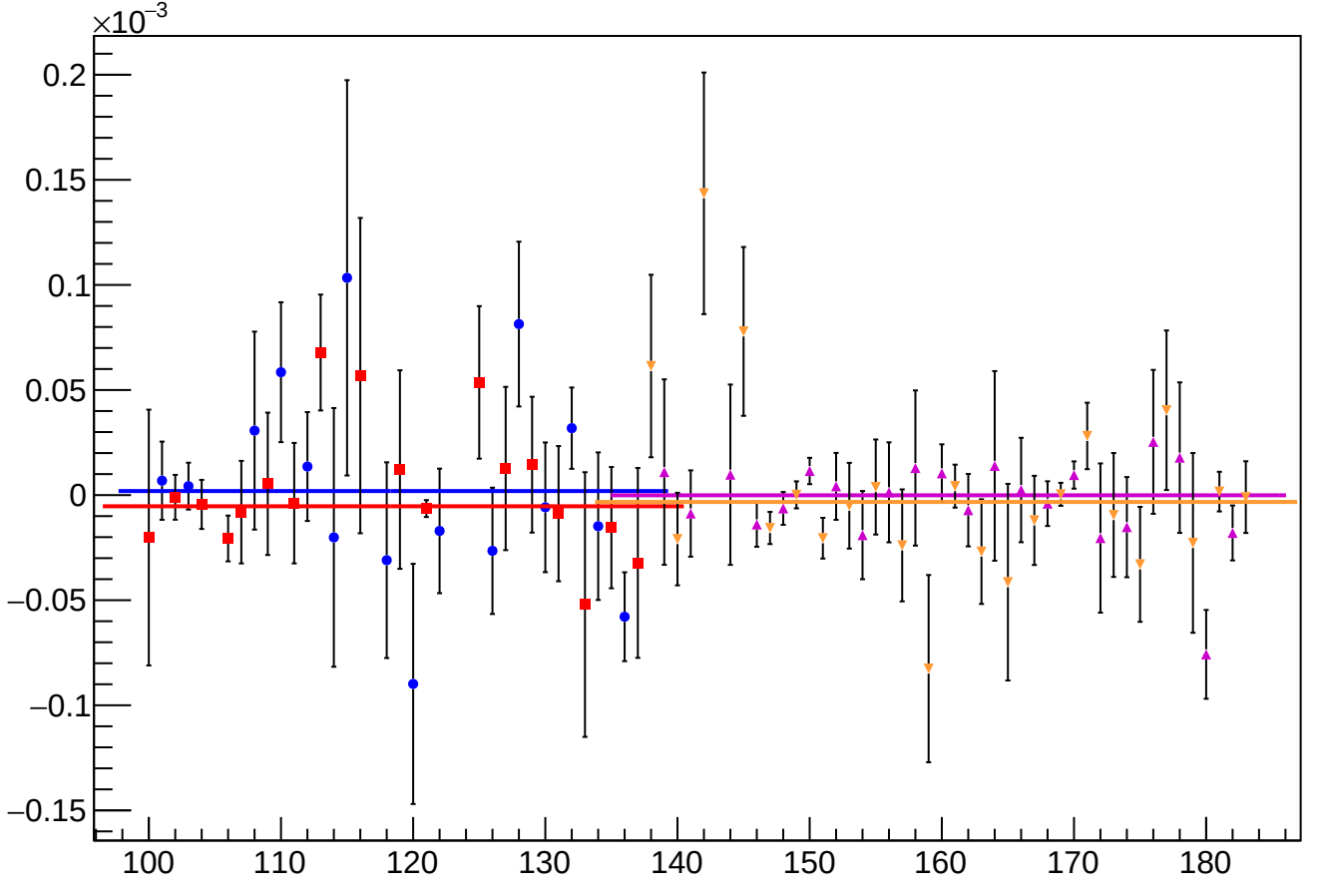
Left: 625.988+/-0.080 χ^2/NDF: 9361735.6/44

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 337.226+/-0.057 χ^2/NDF:13883128.8/37

Out: 319.692+/-0.056 χ^2/NDF:15454199.7/40

All: 328.231+/-0.040 χ^2/NDF: 29385696.0/78



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.1/22

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

Left In: -0.000+/-0.000 χ^2/NDF:26.5/21

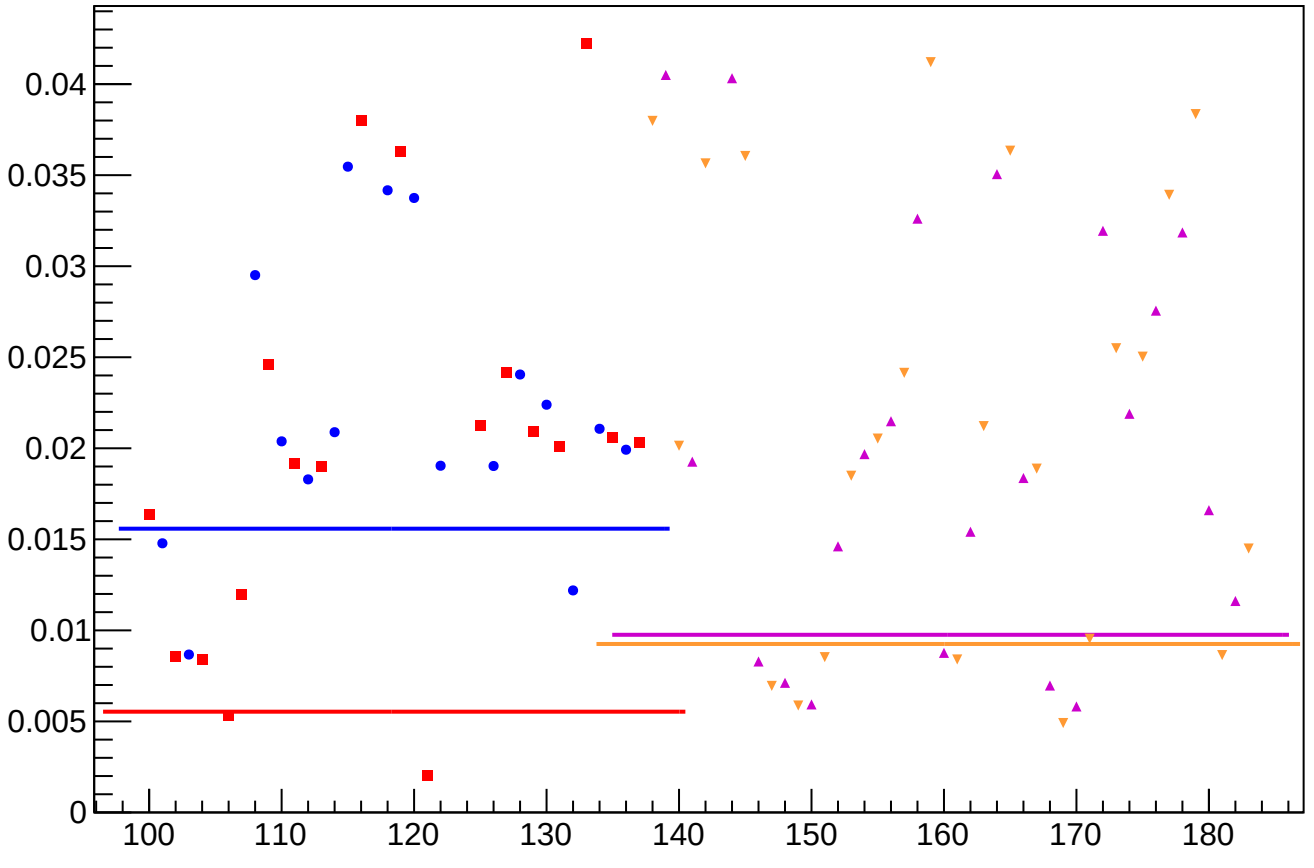
Left: -0.000+/-0.000 χ^2/NDF: 60.2/44

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:47.9/40

All: -0.000+/-0.000 χ^2/NDF: 100.2/78



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:12046006.7/22

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.010+/-0.000 χ^2/NDF:10138341.9/21

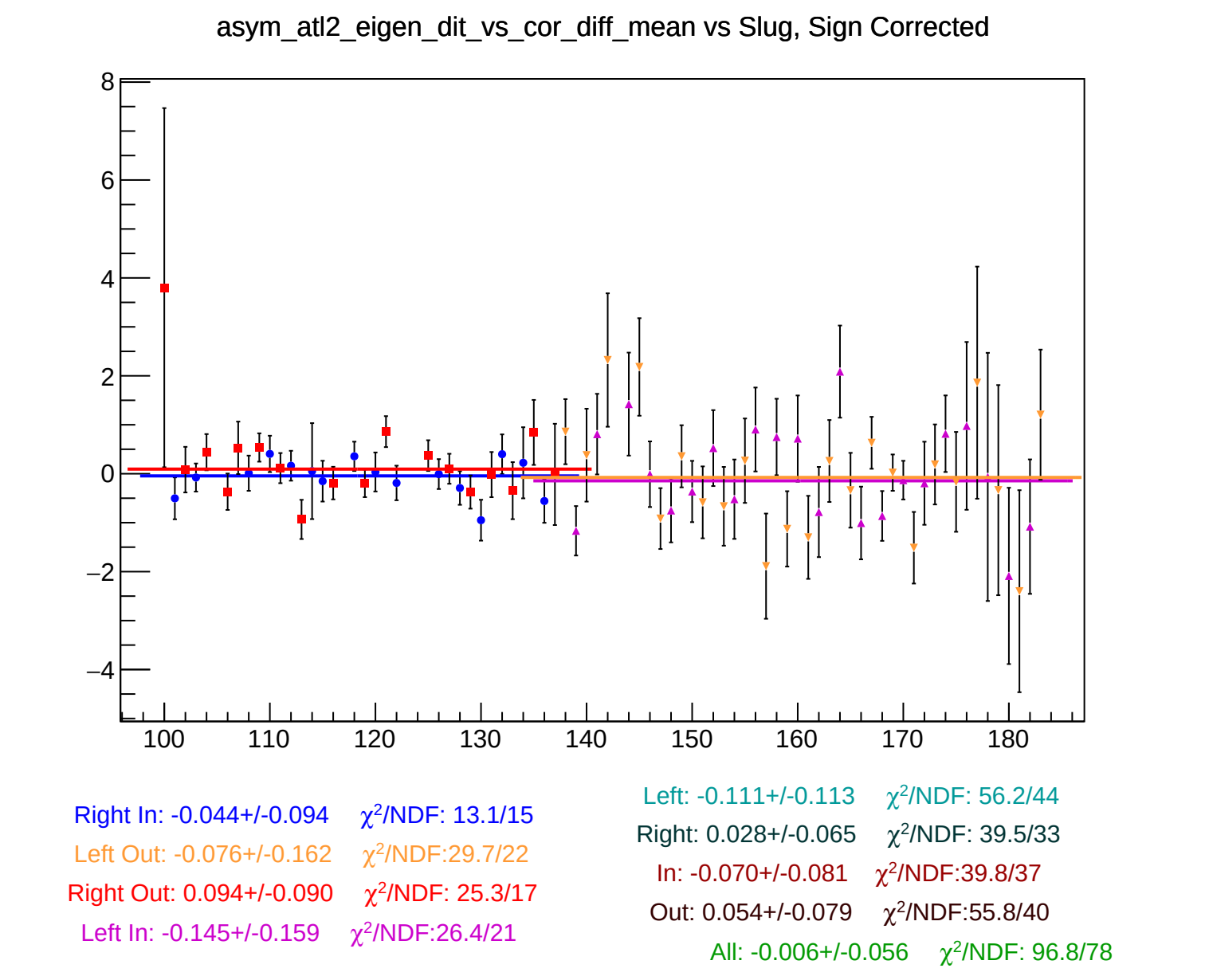
Left: 0.009+/-0.000 χ^2/NDF: 22216050.5/44

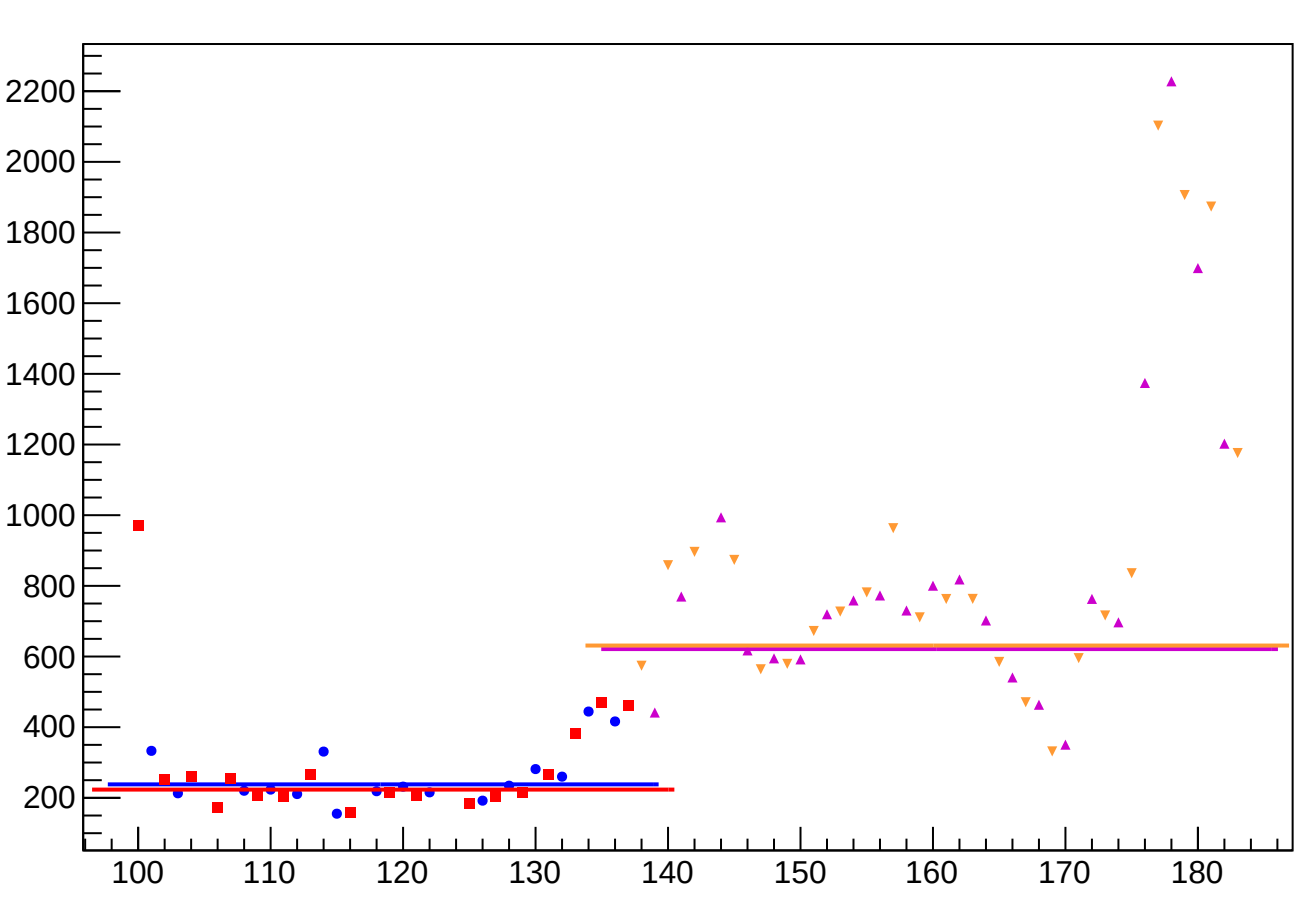
Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:13596691.1/37

Out: 0.008+/-0.000 χ^2/NDF:21550973.3/40

All: 0.009+/-0.000 χ^2/NDF: 36832088.3/78


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.076+/-0.162 χ²/NDF:29.7/22
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.145+/-0.159 χ²/NDF:26.4/21
Left: -0.111+/-0.113 χ²/NDF: 56.2/44
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.070+/-0.081 χ²/NDF:39.8/37
Out: 0.054+/-0.079 χ²/NDF:55.8/40
All: -0.006+/-0.056 χ²/NDF: 96.8/78



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 631.085+/-0.114 χ^2/NDF:4904850.0/22

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: 625.993+/-0.080 χ^2/NDF: 9361777.8/44

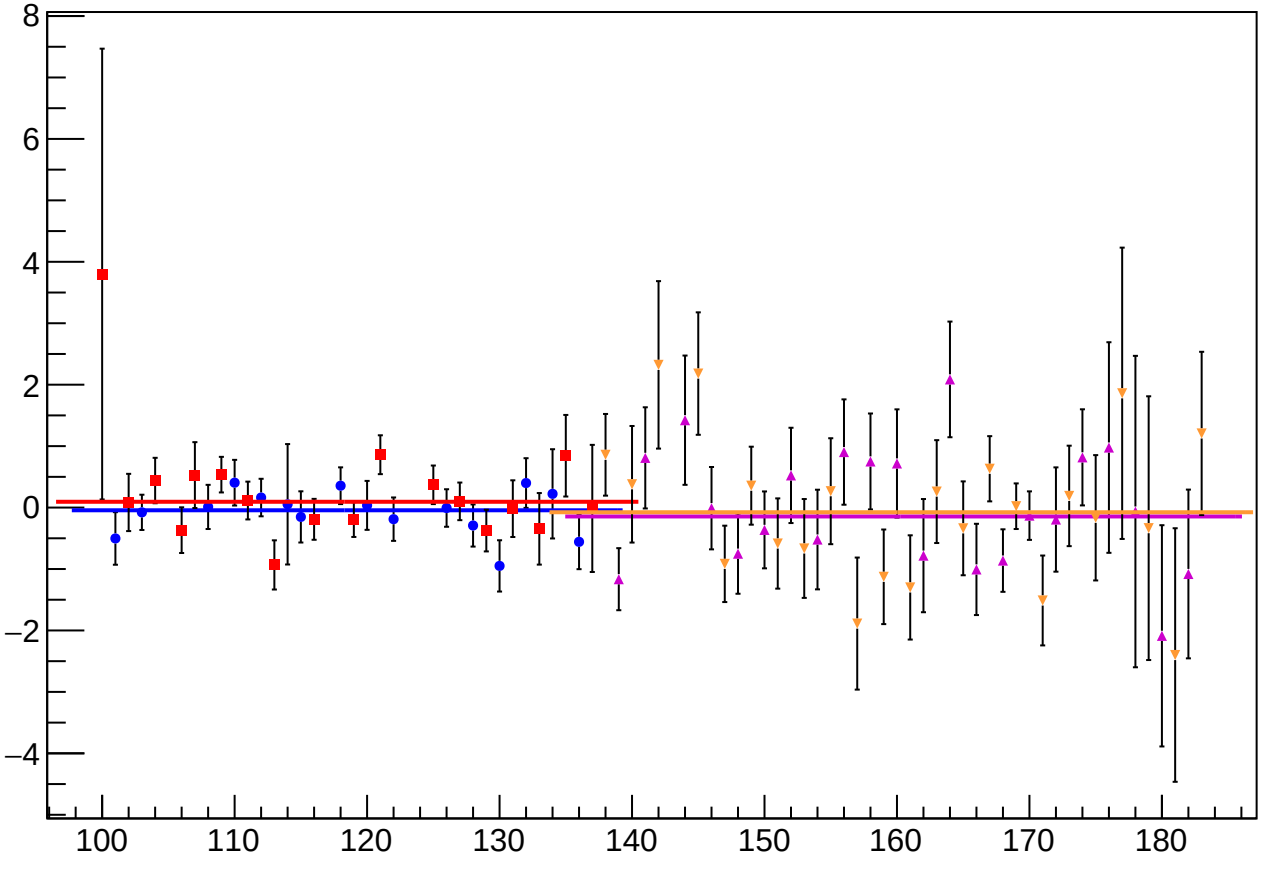
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 337.227+/-0.057 χ^2/NDF:13883188.1/37

Out: 319.693+/-0.056 χ^2/NDF:15454191.0/40

All: 328.232+/-0.040 χ^2/NDF: 29385742.8/78

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: -0.076+/-0.162 χ^2/NDF:29.7/22

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.145+/-0.159 χ^2/NDF:26.4/21

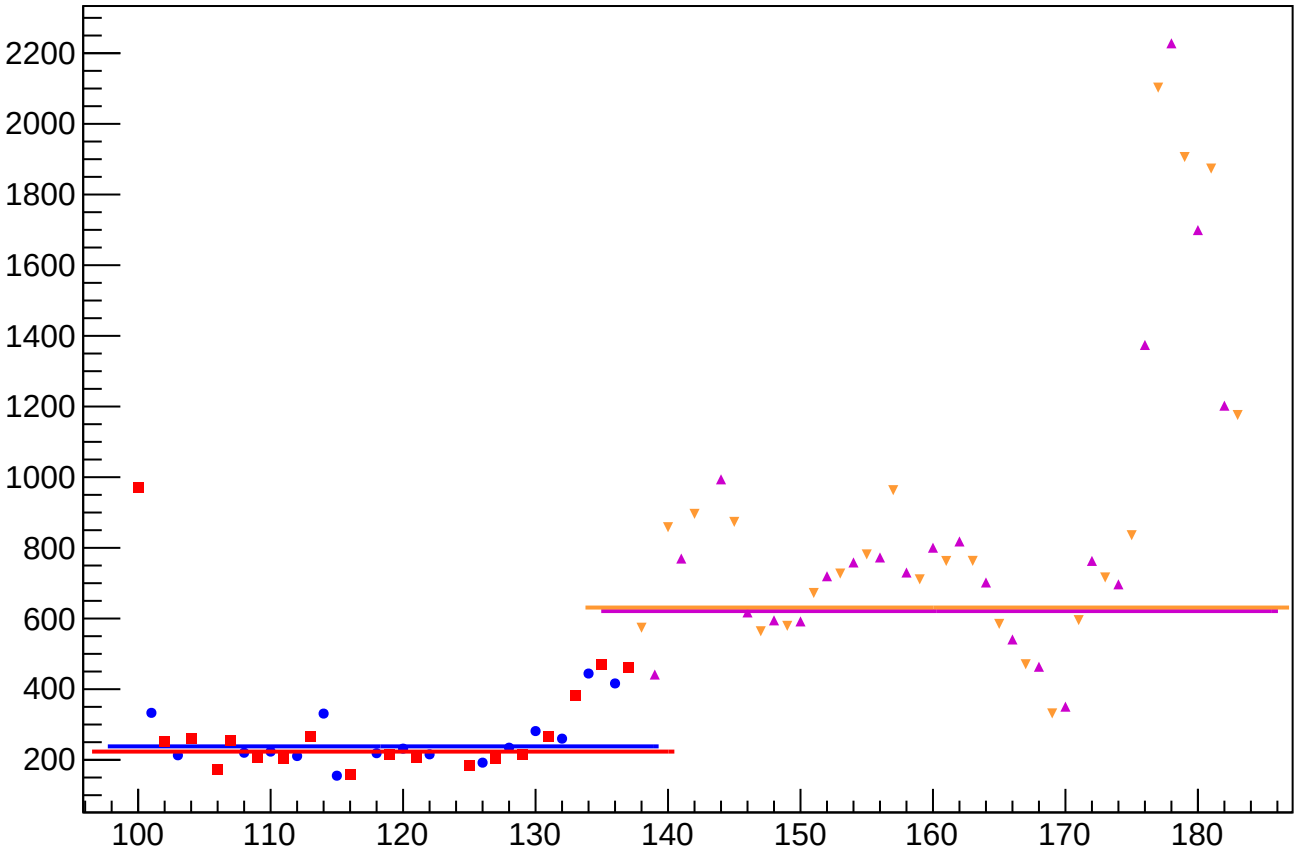
Left: -0.111+/-0.113 χ^2/NDF: 56.2/44

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.070+/-0.081 χ^2/NDF:39.8/37

Out: 0.054+/-0.079 χ^2/NDF:55.8/40

All: -0.006+/-0.056 χ^2/NDF: 96.8/78



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 631.085+/-0.114 χ^2/NDF:4904850.0/22

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 621.096+/-0.112 χ^2/NDF:4453047.3/21

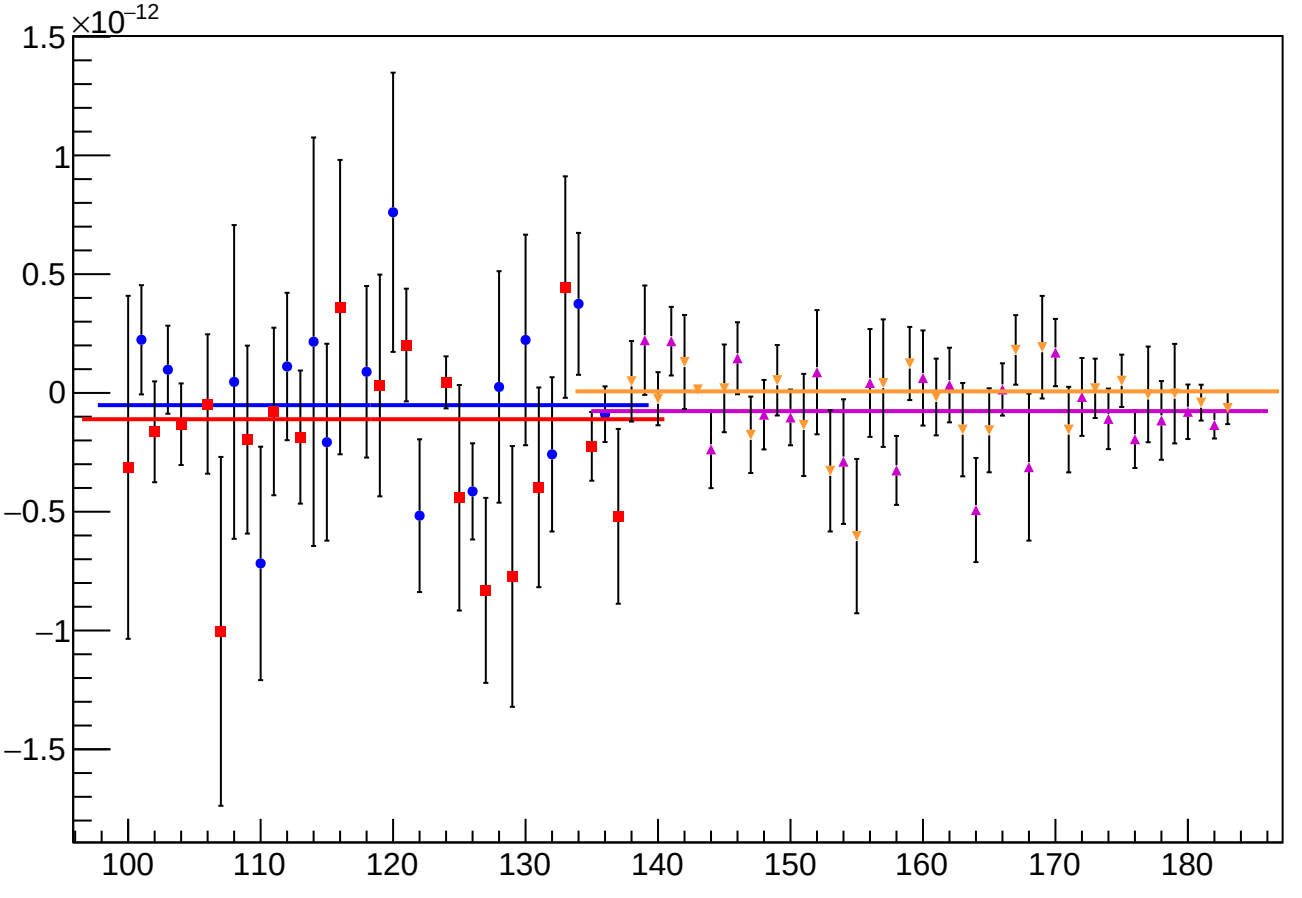
Left: 625.993+/-0.080 χ^2/NDF: 9361777.8/44

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 337.227+/-0.057 χ^2/NDF:13883188.1/37

Out: 319.693+/-0.056 χ^2/NDF:15454191.0/40

All: 328.232+/-0.040 χ^2/NDF: 29385742.8/78



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:24.4/21

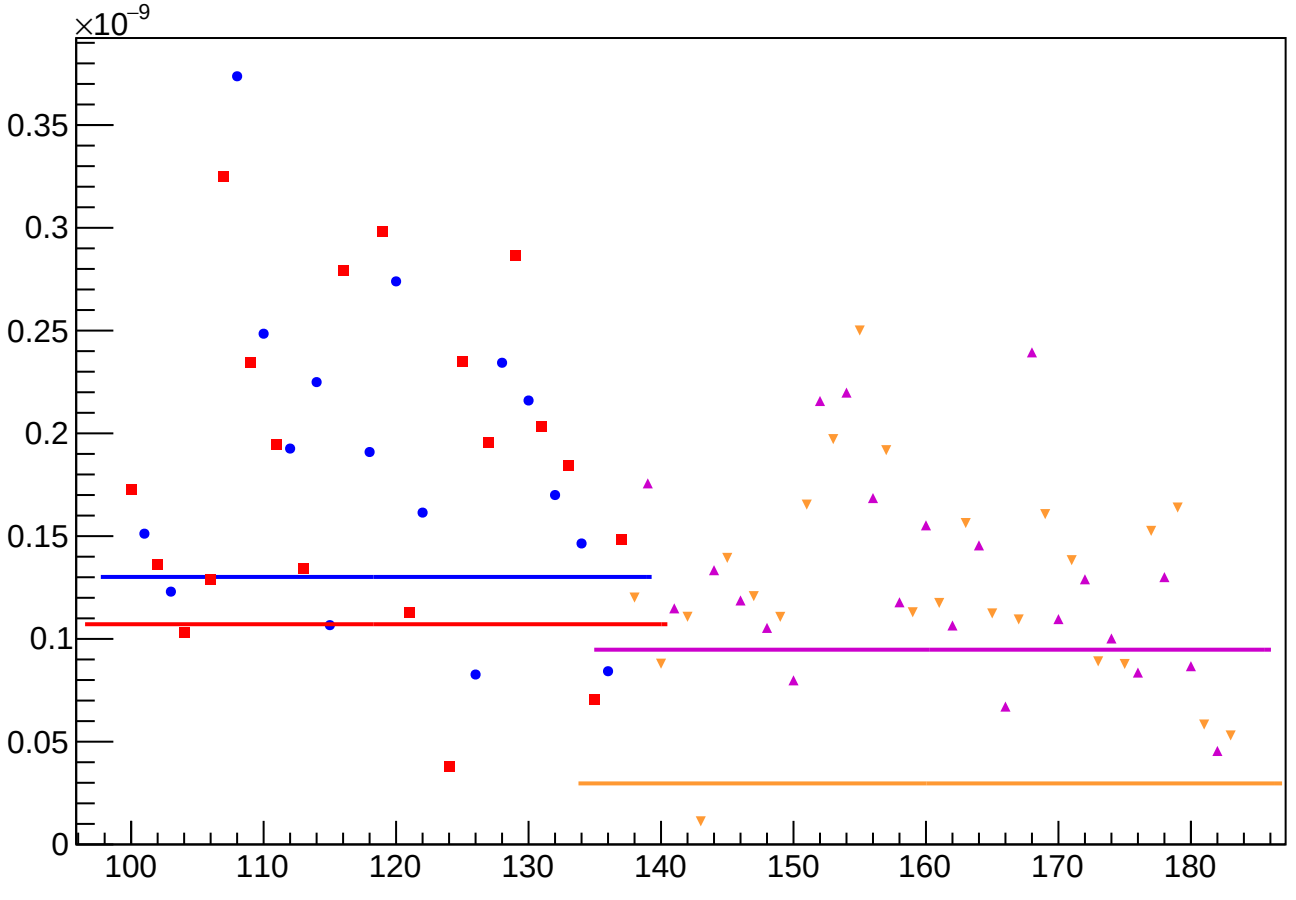
Left: -0.000+/-0.000 χ^2/NDF: 45.7/45

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:33.7/42

All: -0.000+/-0.000 χ^2/NDF: 79.0/80



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17168660.3/23

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: 29547489.1/45

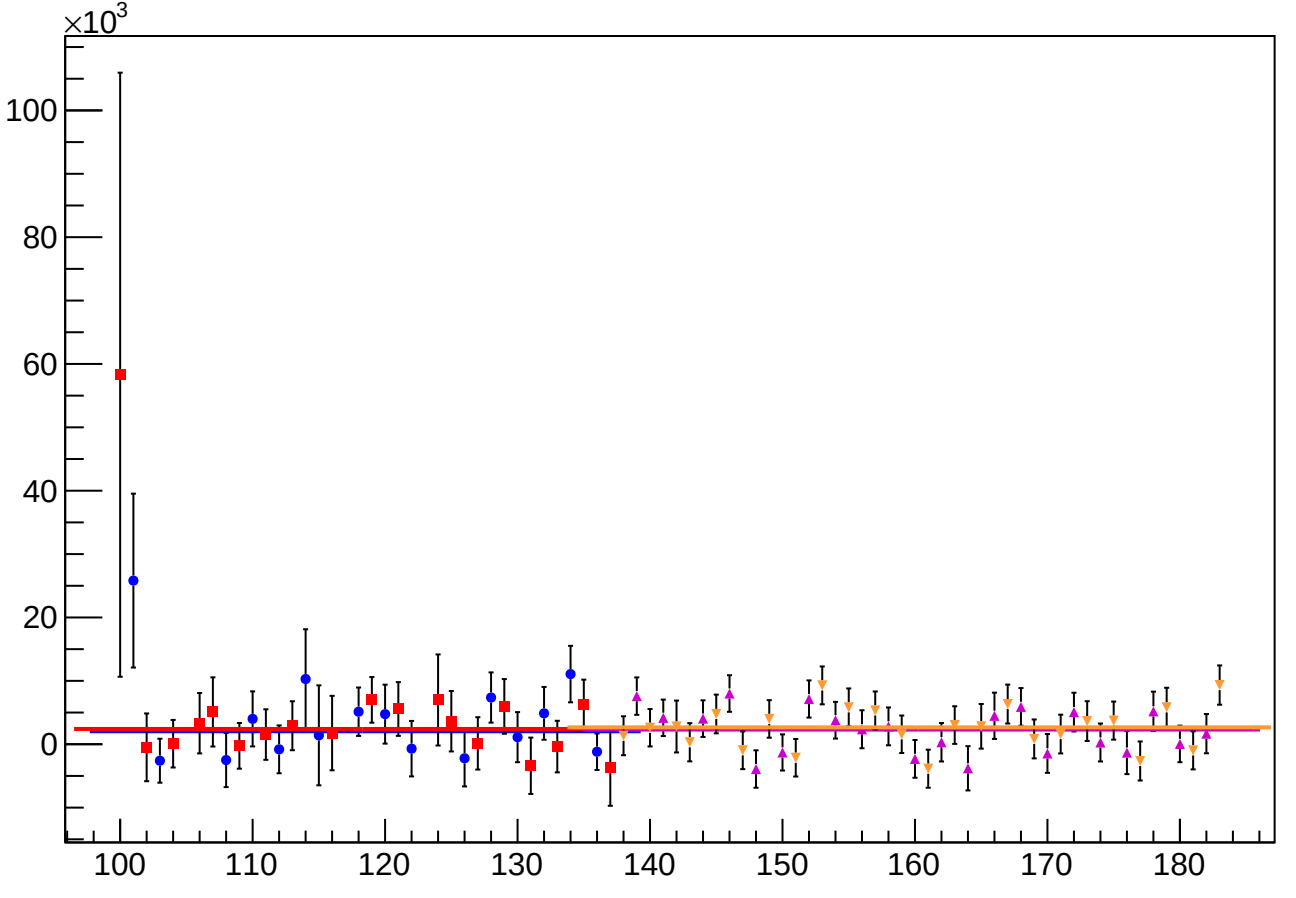
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:6012595.8/37

Out: 0.000+/-0.000 χ^2/NDF:23092229.0/42

All: 0.000+/-0.000 χ^2/NDF: 39054554.9/80

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2660.628+/-626.013 χ^2/NDF:29.5/23

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: 2492.967+/-449.195 χ^2/NDF: 59.7/45

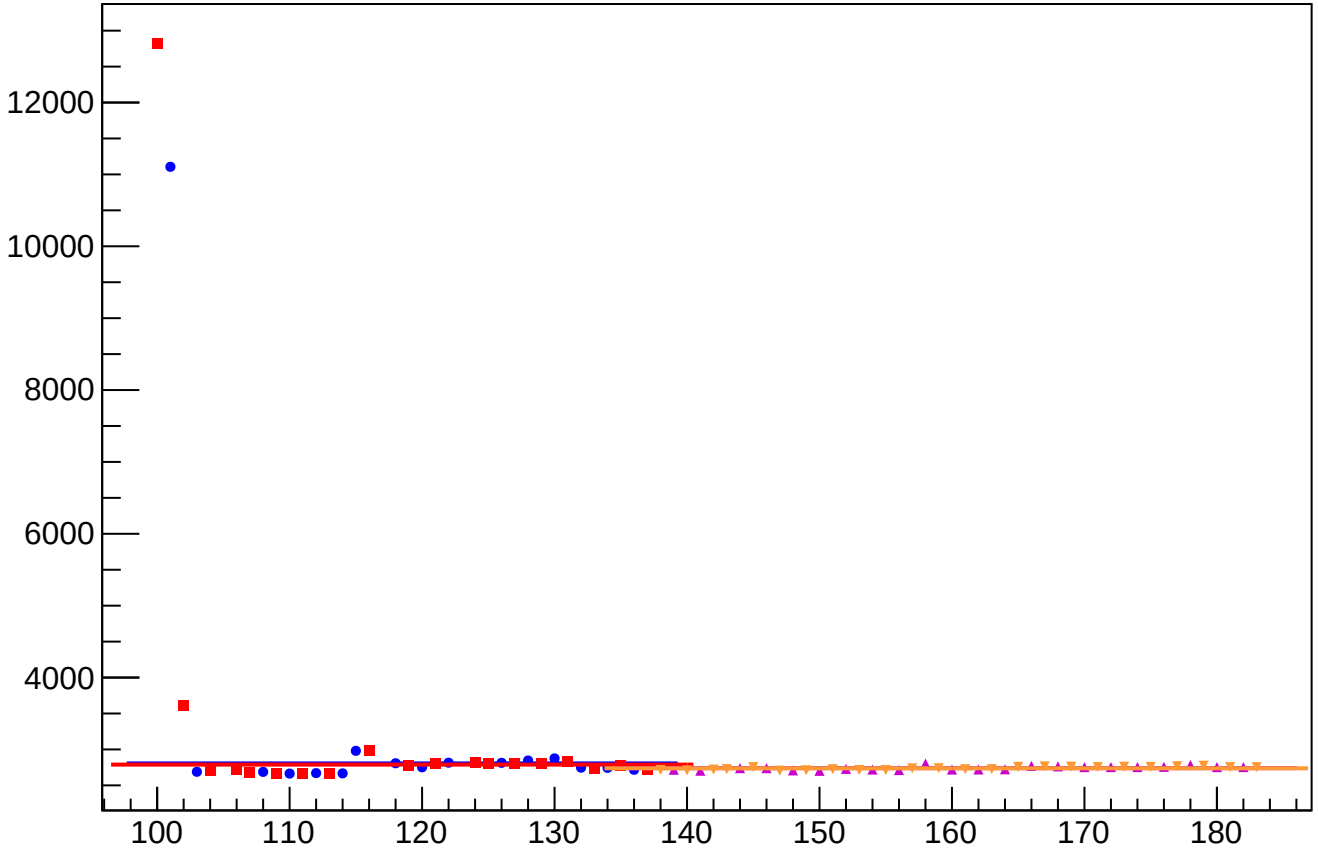
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2244.305+/-552.404 χ^2/NDF:47.9/37

Out: 2594.040+/-535.719 χ^2/NDF:40.3/42

All: 2424.534+/-384.574 χ^2/NDF: 88.4/80

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2737.431+/-0.443 χ^2/NDF:2314.6/23

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2739.612+/-0.456 χ^2/NDF:3343.1/21

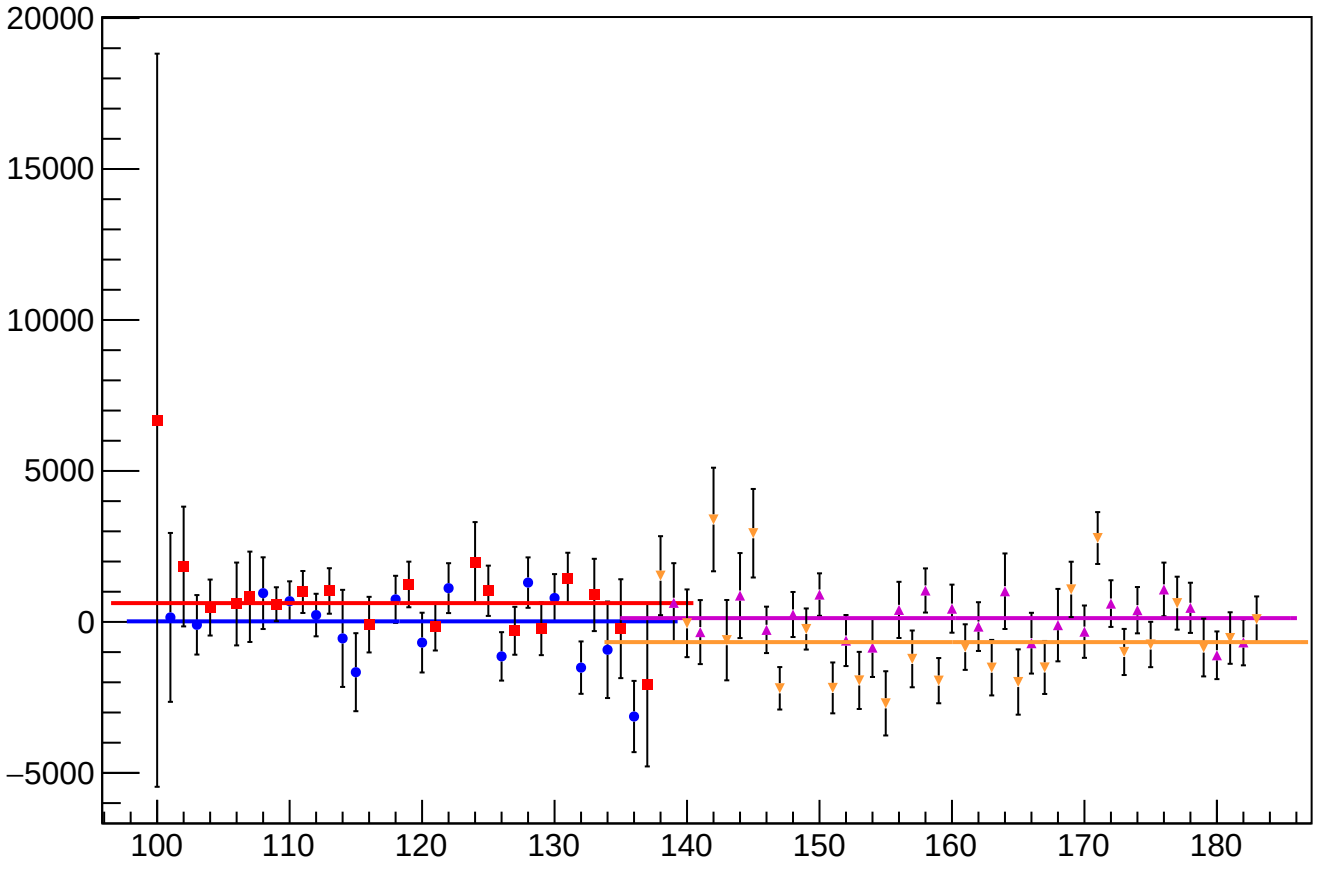
Left: 2738.489+/-0.318 χ^2/NDF: 5669.5/45

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2757.146+/-0.391 χ^2/NDF:755134.3/37

Out: 2751.186+/-0.379 χ^2/NDF:152920.4/42

All: 2754.075+/-0.272 χ^2/NDF: 908174.6/80



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -668.617+/-182.882 χ^2/NDF:58.3/23

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 125.792+/-185.199 χ^2/NDF:12.7/21

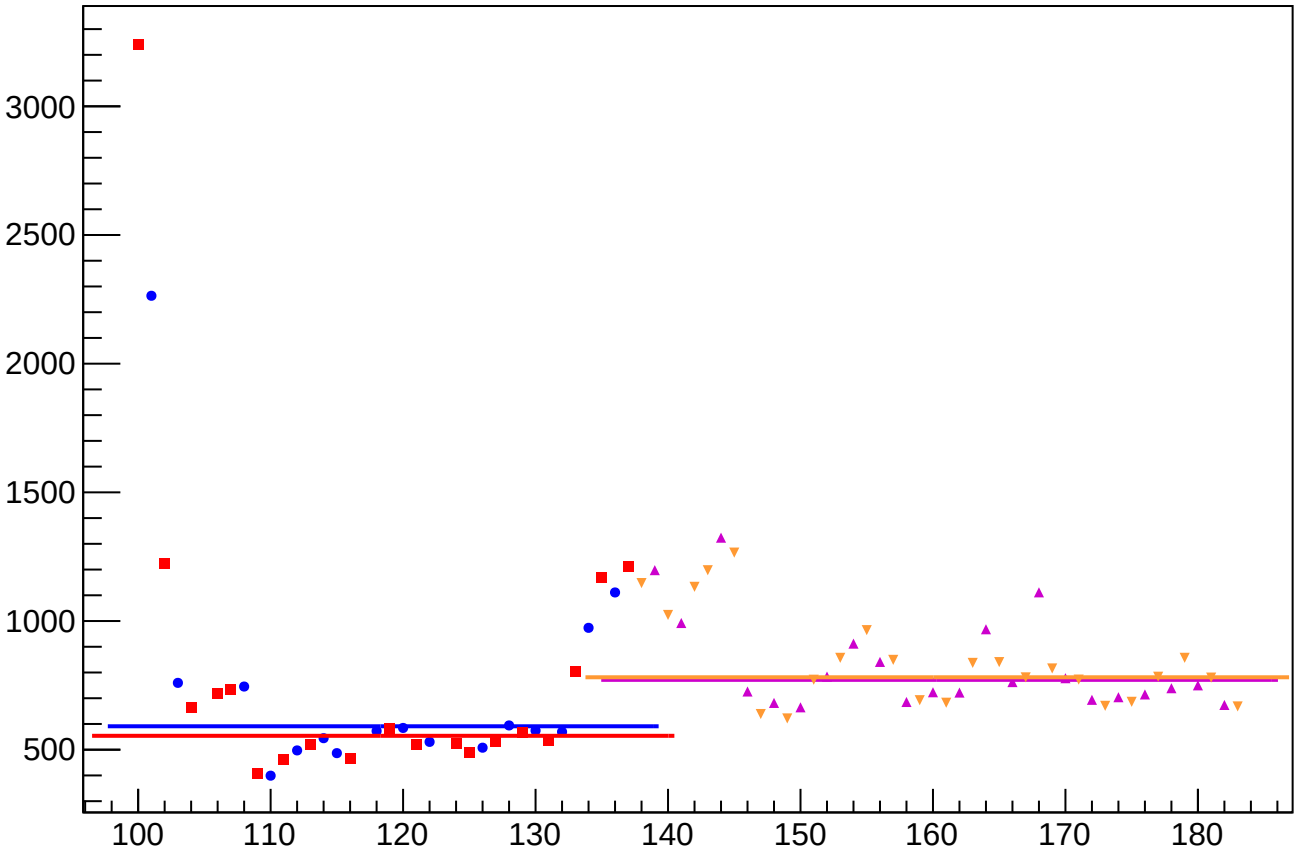
Left: -276.413+/-130.128 χ^2/NDF: 80.3/45

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 84.543+/-145.096 χ^2/NDF:35.6/37

Out: -129.119+/-139.559 χ^2/NDF:88.4/42

All: -26.442+/-100.584 χ^2/NDF: 125.1/80



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 781.419+/-0.129 χ^2/NDF:1234088.7/23

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: 776.481+/-0.092 χ^2/NDF: 2312161.8/45

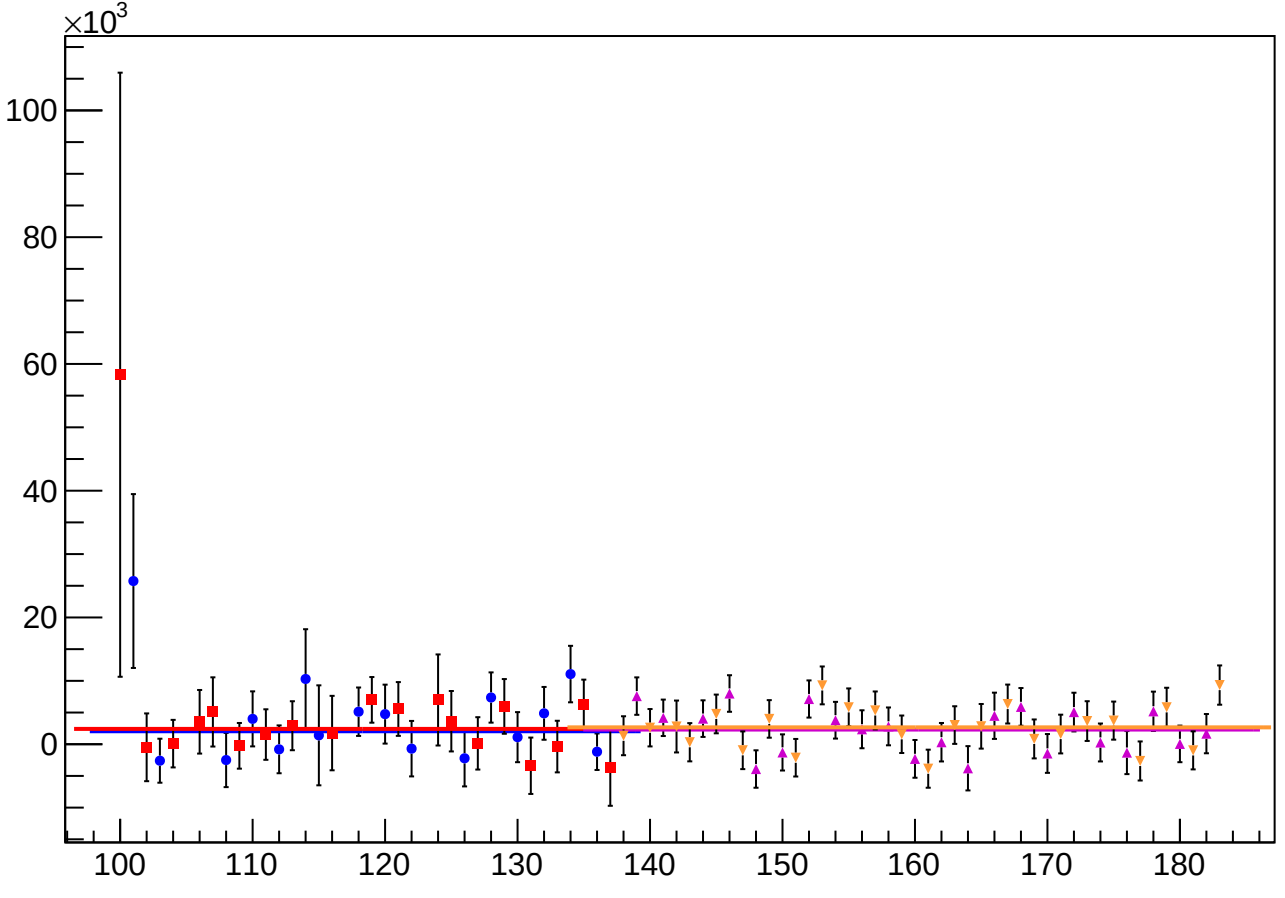
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 701.758+/-0.103 χ^2/NDF:3375468.4/37

Out: 686.428+/-0.099 χ^2/NDF:3642911.7/42

All: 693.795+/-0.071 χ^2/NDF: 7029977.9/80

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2660.618+/-626.013 χ^2/NDF:29.5/23

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: 2493.010+/-449.195 χ^2/NDF: 59.7/45

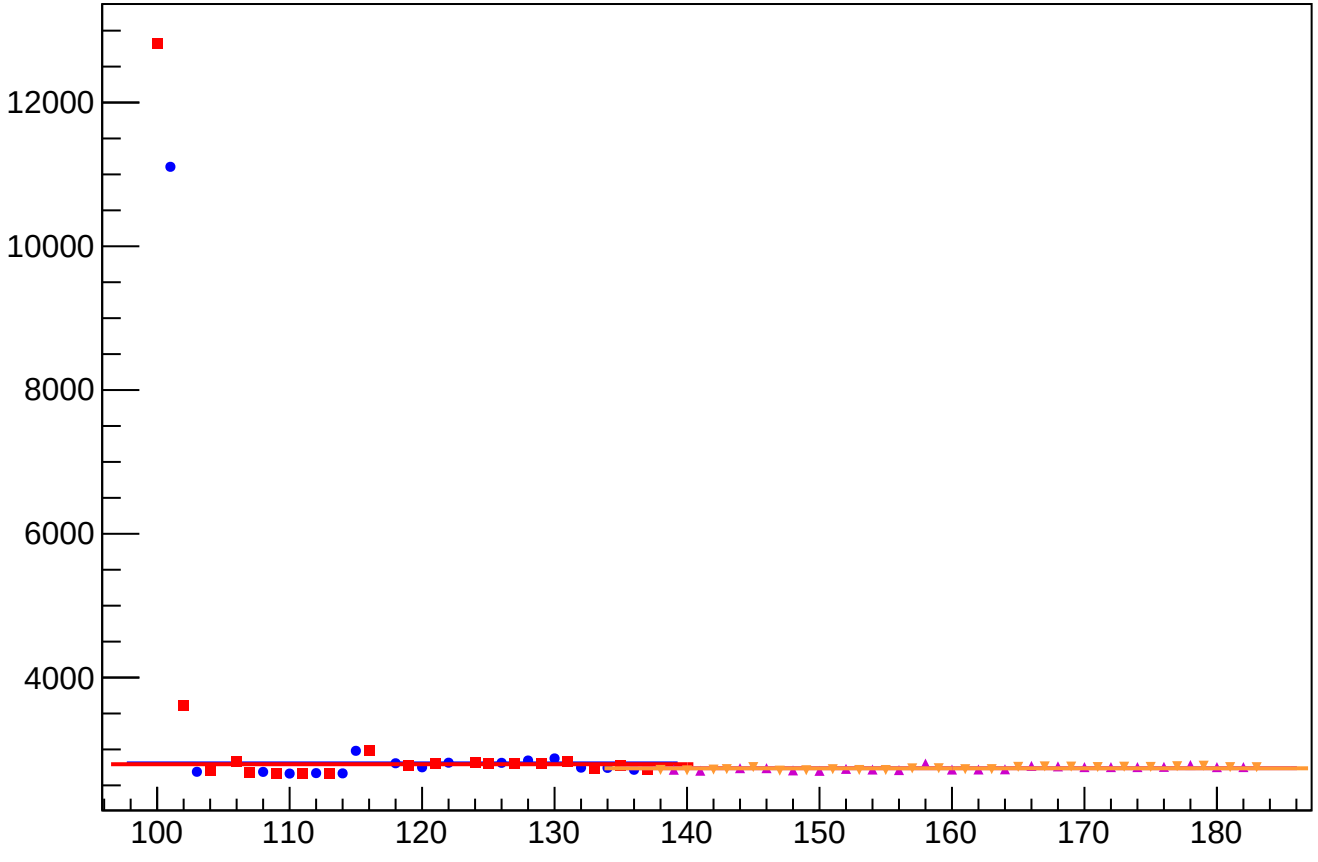
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2244.163+/-552.404 χ^2/NDF:47.9/37

Out: 2595.871+/-536.049 χ^2/NDF:40.3/42

All: 2425.301+/-384.696 χ^2/NDF: 88.4/80

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2737.431+/-0.443 χ^2/NDF:2314.6/23

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2739.612+/-0.456 χ^2/NDF:3343.1/21

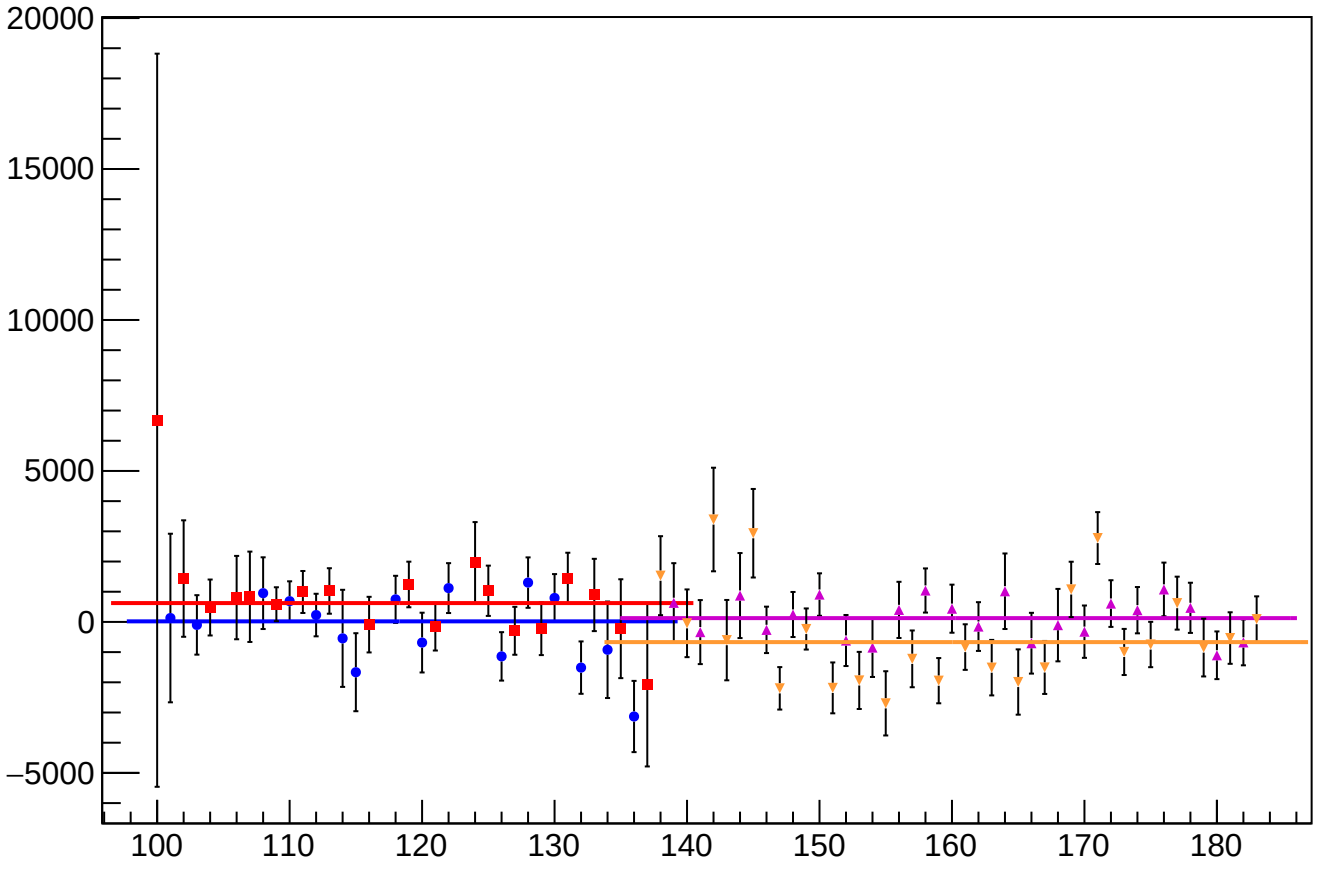
Left: 2738.489+/-0.318 χ^2/NDF: 5669.5/45

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2757.146+/-0.391 χ^2/NDF:755133.4/37

Out: 2752.564+/-0.379 χ^2/NDF:153439.8/42

All: 2754.786+/-0.272 χ^2/NDF: 908644.0/80



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -668.471+/-182.881 χ^2/NDF:58.3/23

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 125.906+/-185.199 χ^2/NDF:12.7/21

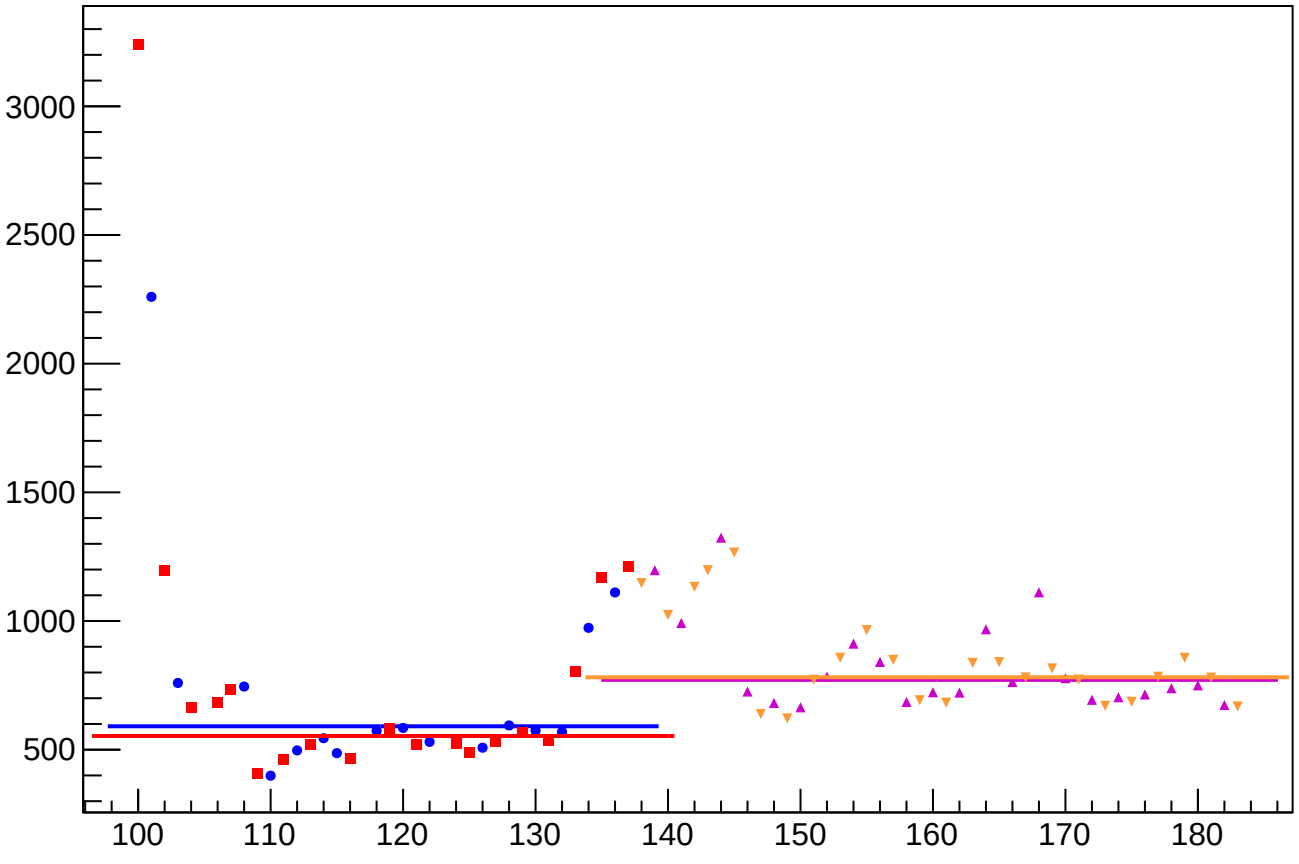
Left: -276.285+/-130.128 χ^2/NDF: 80.3/45

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 84.595+/-145.093 χ^2/NDF:35.6/37

Out: -128.437+/-139.547 χ^2/NDF:88.3/42

All: -26.071+/-100.578 χ^2/NDF: 125.0/80



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 781.416+/-0.129 χ^2/NDF:1234125.9/23

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 771.420+/-0.131 χ^2/NDF:1075064.2/21

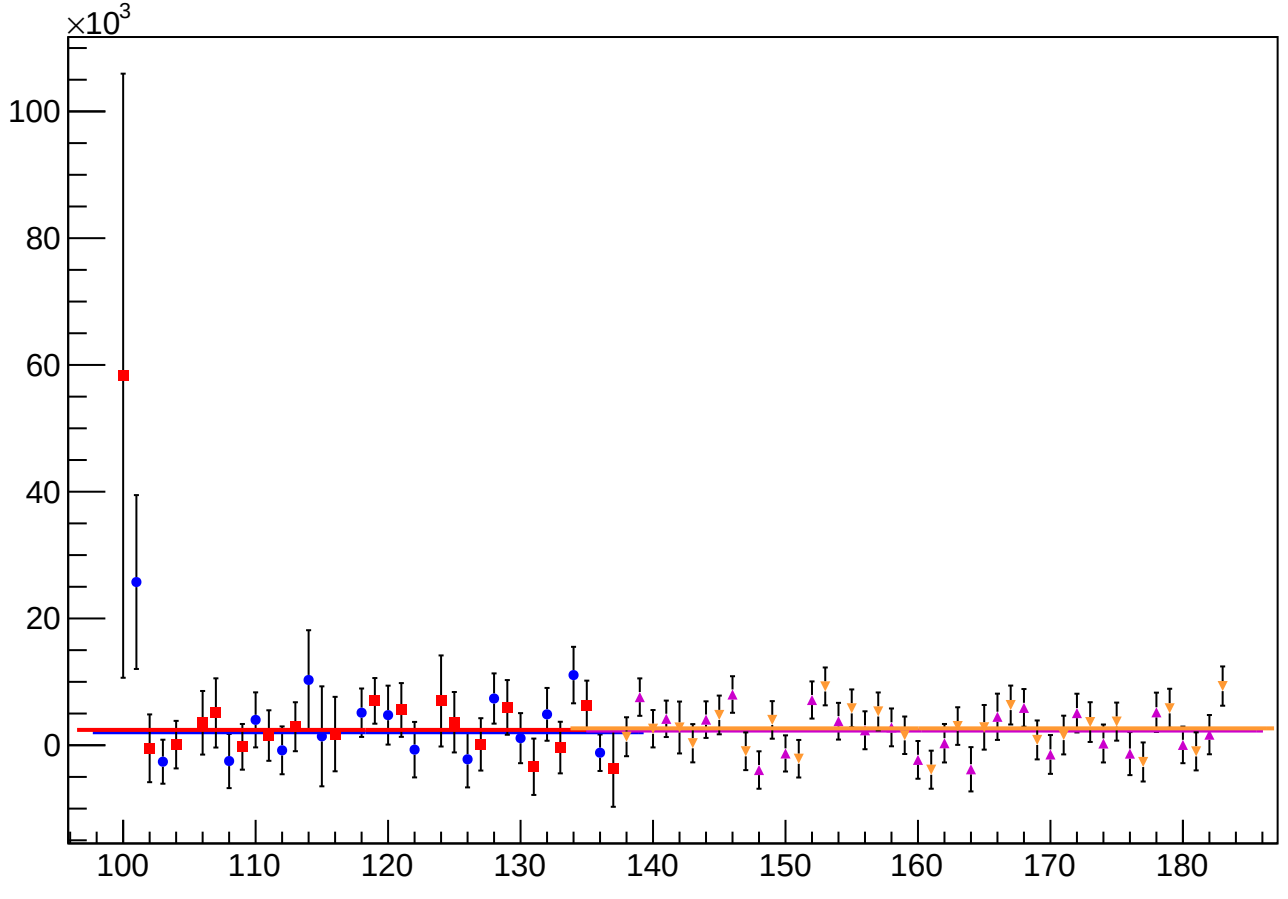
Left: 776.481+/-0.092 χ^2/NDF: 2312139.7/45

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 701.755+/-0.103 χ^2/NDF:3374457.0/37

Out: 686.090+/-0.099 χ^2/NDF:3636499.8/42

All: 693.617+/-0.071 χ^2/NDF: 7023067.1/80



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2660.618+/-626.013 χ^2/NDF:29.5/23

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: 2493.010+/-449.195 χ^2/NDF: 59.7/45

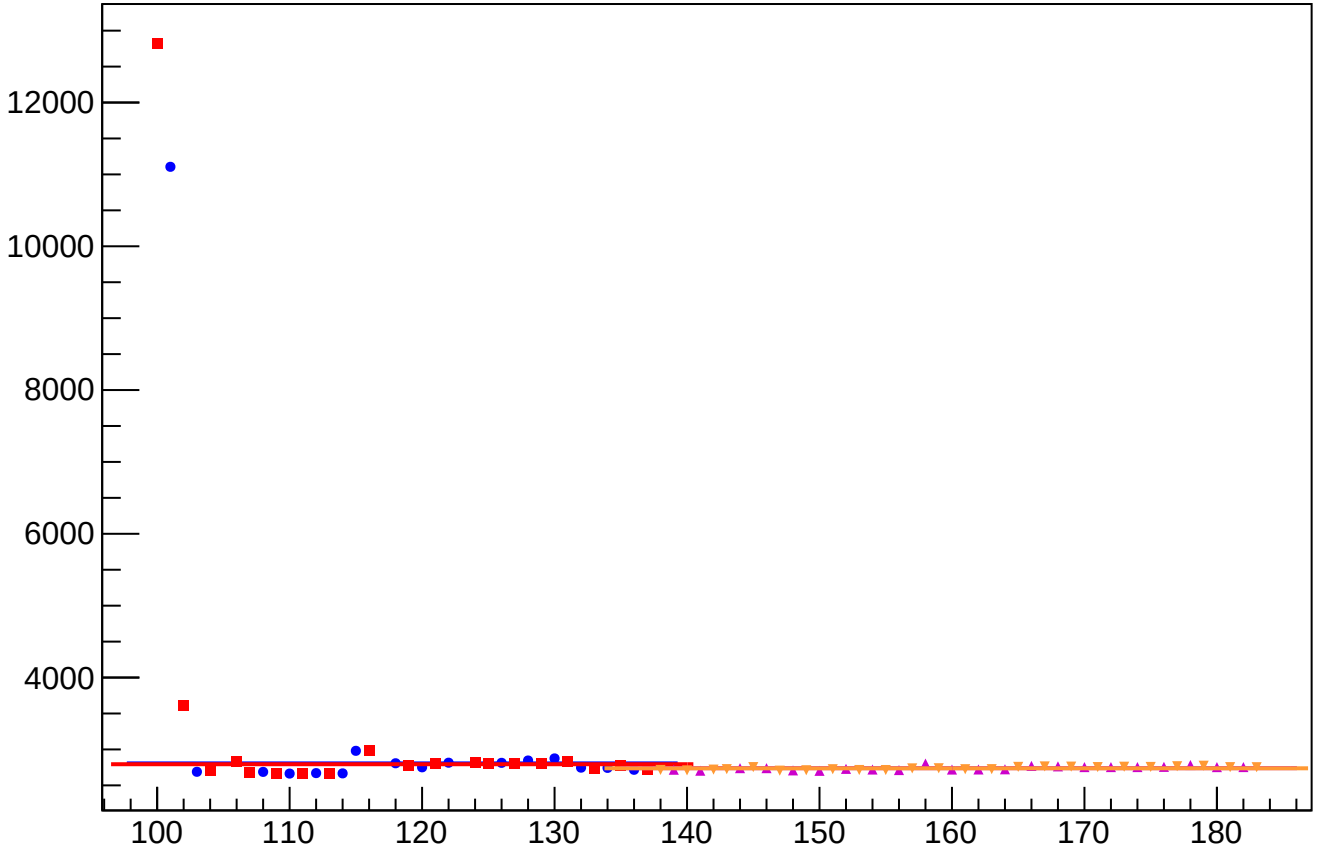
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2244.163+/-552.404 χ^2/NDF:47.9/37

Out: 2595.871+/-536.049 χ^2/NDF:40.3/42

All: 2425.301+/-384.696 χ^2/NDF: 88.4/80

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2737.431+/-0.443 χ^2/NDF:2314.6/23

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2739.612+/-0.456 χ^2/NDF:3343.1/21

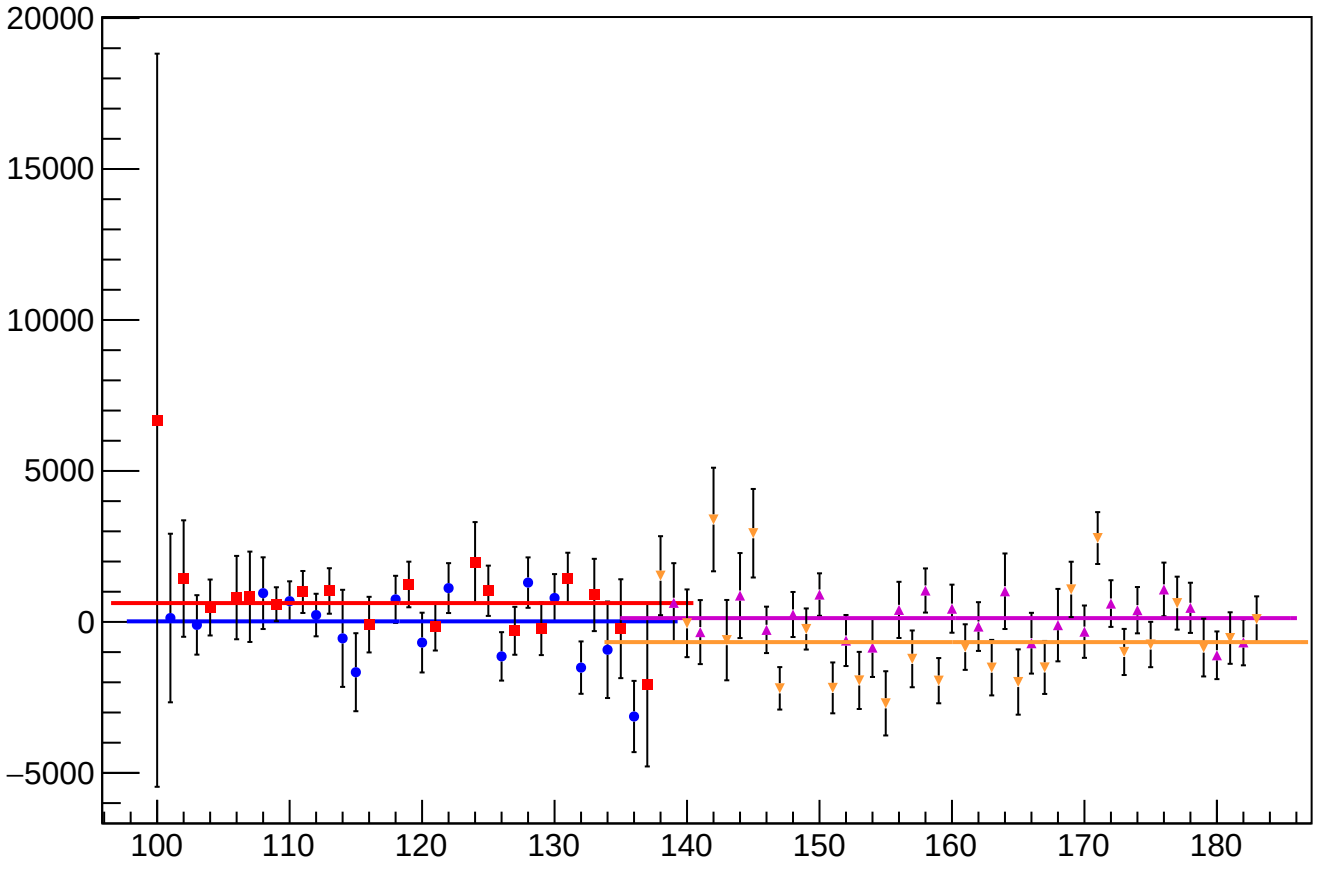
Left: 2738.489+/-0.318 χ^2/NDF: 5669.5/45

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2757.146+/-0.391 χ^2/NDF:755133.4/37

Out: 2752.564+/-0.379 χ^2/NDF:153439.8/42

All: 2754.786+/-0.272 χ^2/NDF: 908644.0/80



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -668.471+/-182.881 χ^2/NDF:58.3/23

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 125.906+/-185.199 χ^2/NDF:12.7/21

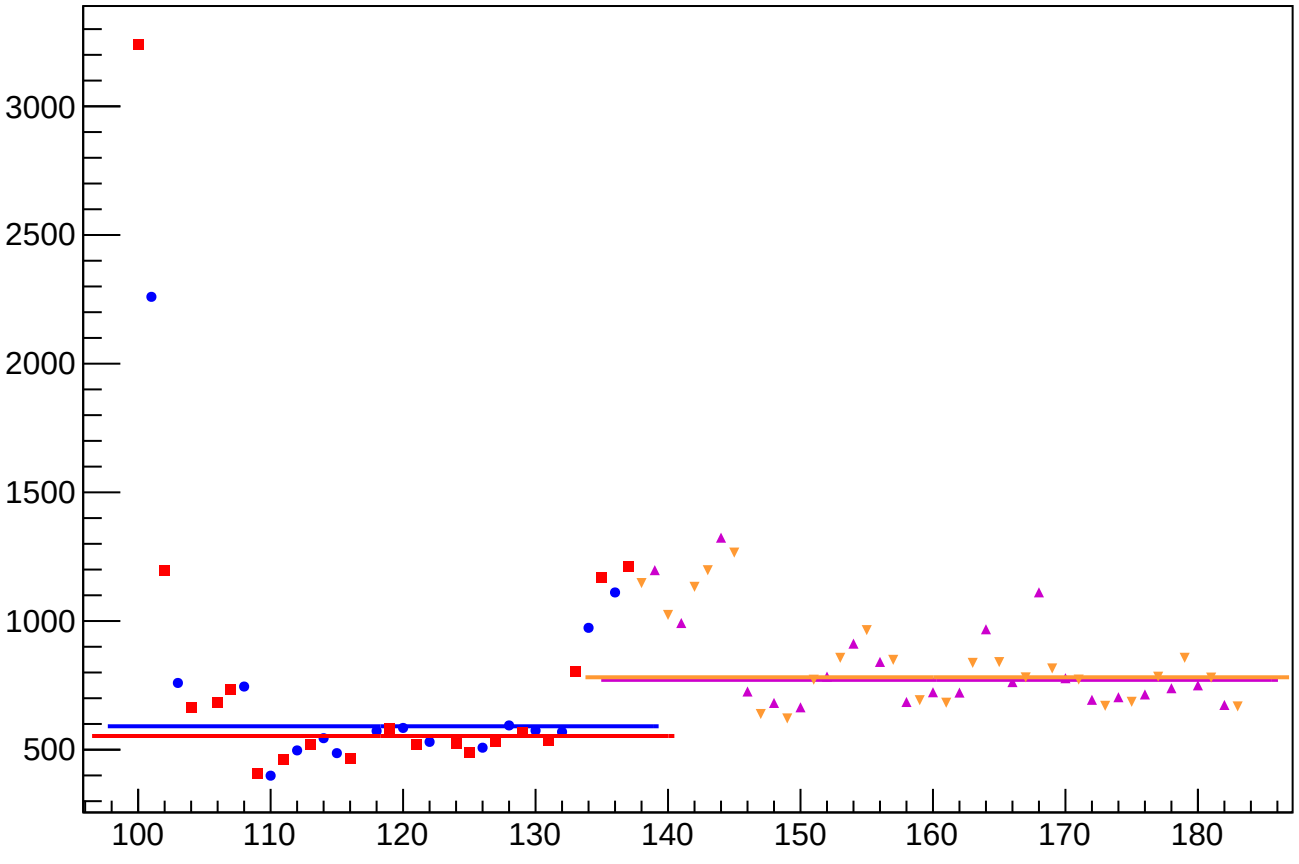
Left: -276.285+/-130.128 χ^2/NDF: 80.3/45

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 84.595+/-145.093 χ^2/NDF:35.6/37

Out: -128.437+/-139.547 χ^2/NDF:88.3/42

All: -26.071+/-100.578 χ^2/NDF: 125.0/80



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 781.416+/-0.129 χ^2/NDF:1234125.9/23

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: 776.481+/-0.092 χ^2/NDF: 2312139.7/45

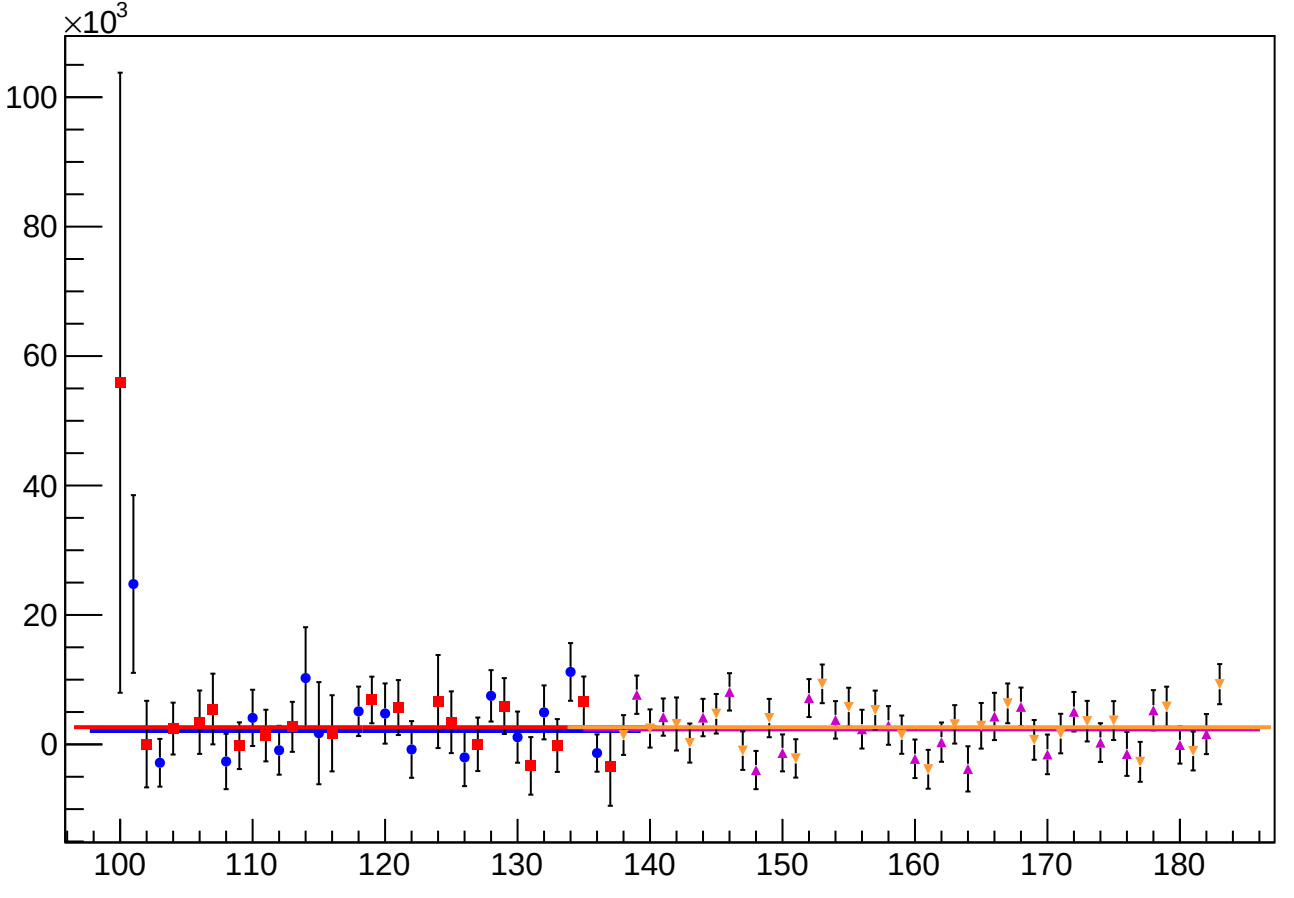
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 701.755+/-0.103 χ^2/NDF:3374457.0/37

Out: 686.090+/-0.099 χ^2/NDF:3636499.8/42

All: 693.617+/-0.071 χ^2/NDF: 7023067.1/80

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2651.103+/-626.421 χ^2/NDF:29.7/23

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: 2487.682+/-449.468 χ^2/NDF: 60.4/45

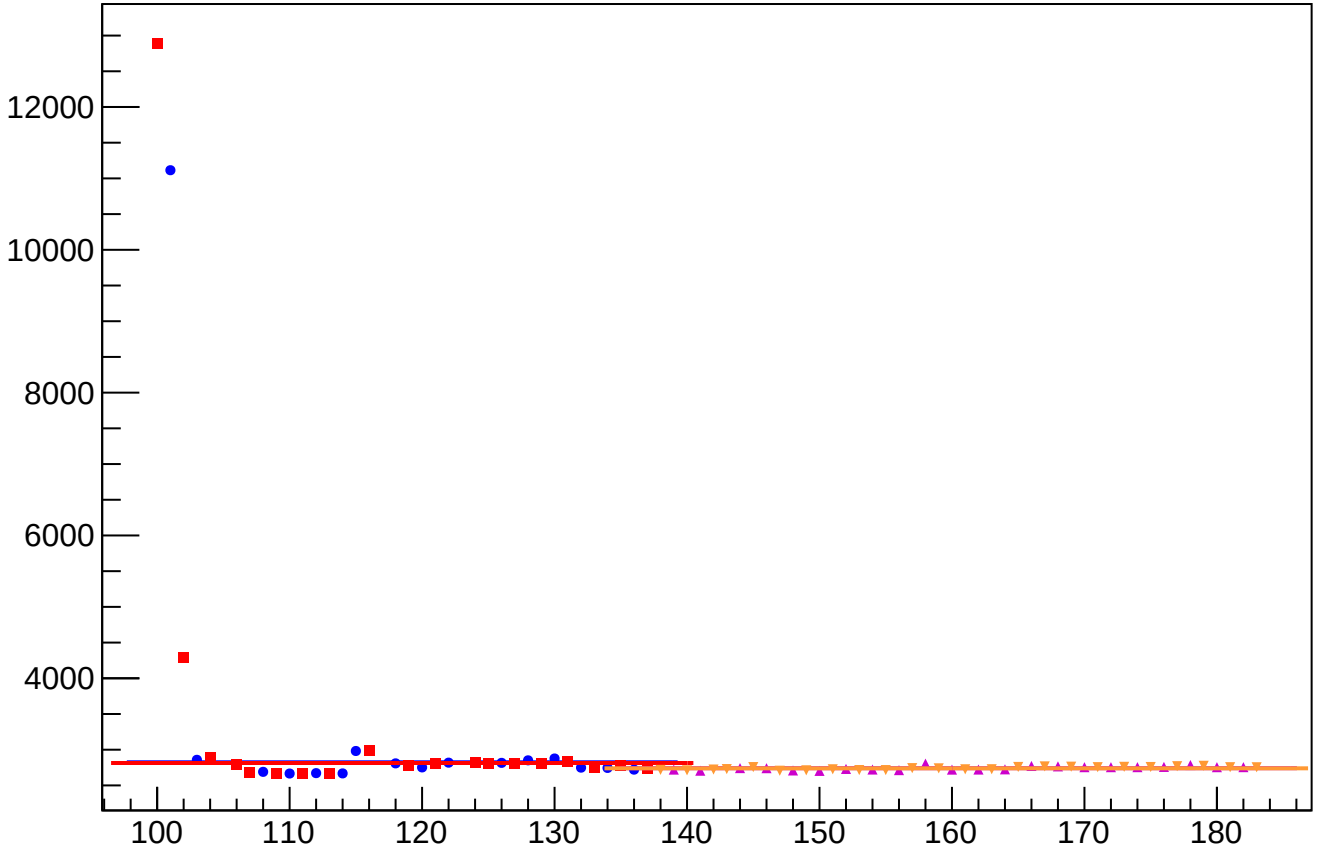
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2251.021+/-553.560 χ^2/NDF:48.5/37

Out: 2652.730+/-537.941 χ^2/NDF:39.7/42

All: 2457.622+/-385.785 χ^2/NDF: 88.4/80

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2739.208+/-0.443 χ^2/NDF:2318.8/23

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: 2740.148+/-0.318 χ^2/NDF: 5679.7/45

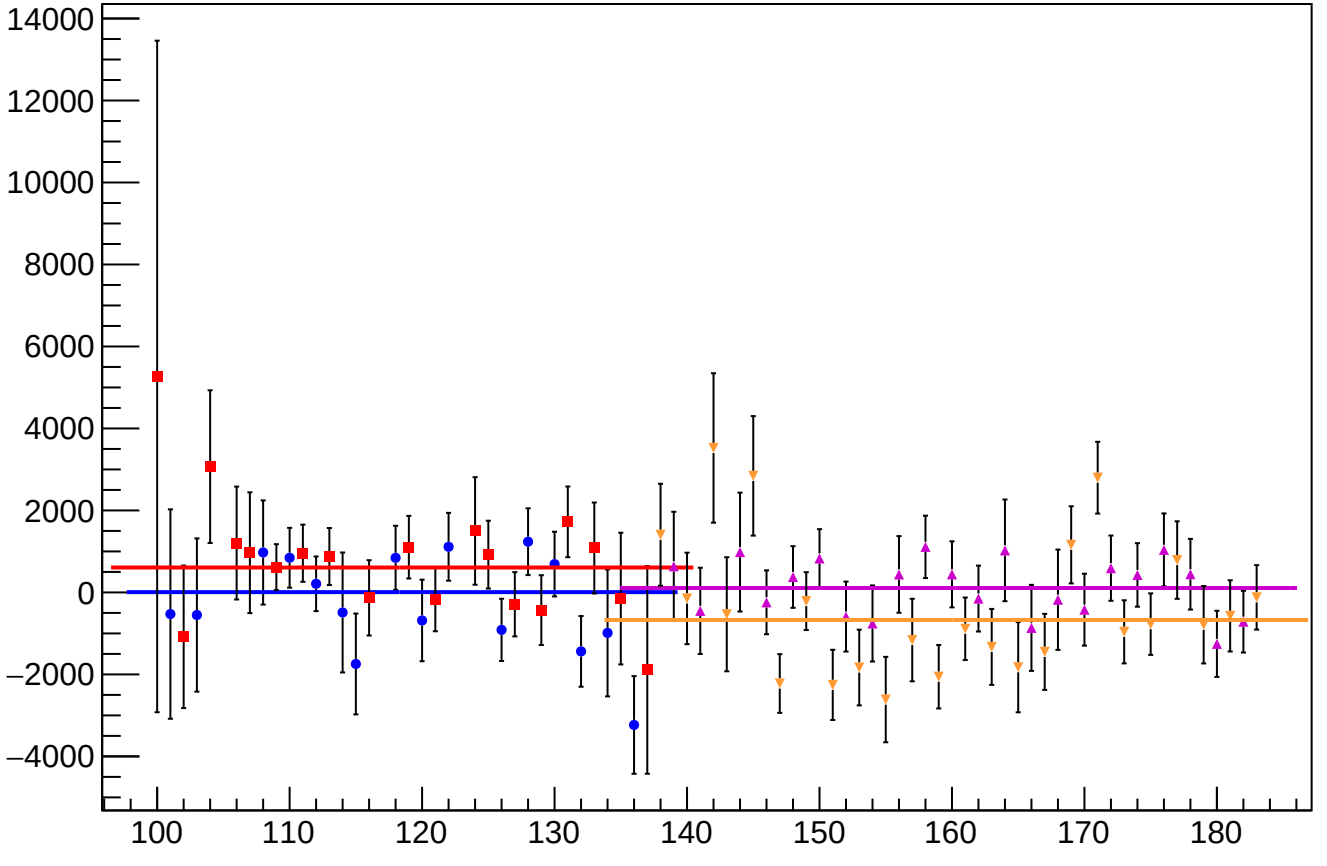
Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2762.881+/-0.391 χ^2/NDF:755859.9/37

Out: 2758.798+/-0.380 χ^2/NDF:210280.2/42

All: 2760.781+/-0.273 χ^2/NDF: 966196.0/80

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -671.356+/-186.453 χ^2/NDF:56.1/23

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: -283.607+/-132.147 χ^2/NDF: 78.3/45

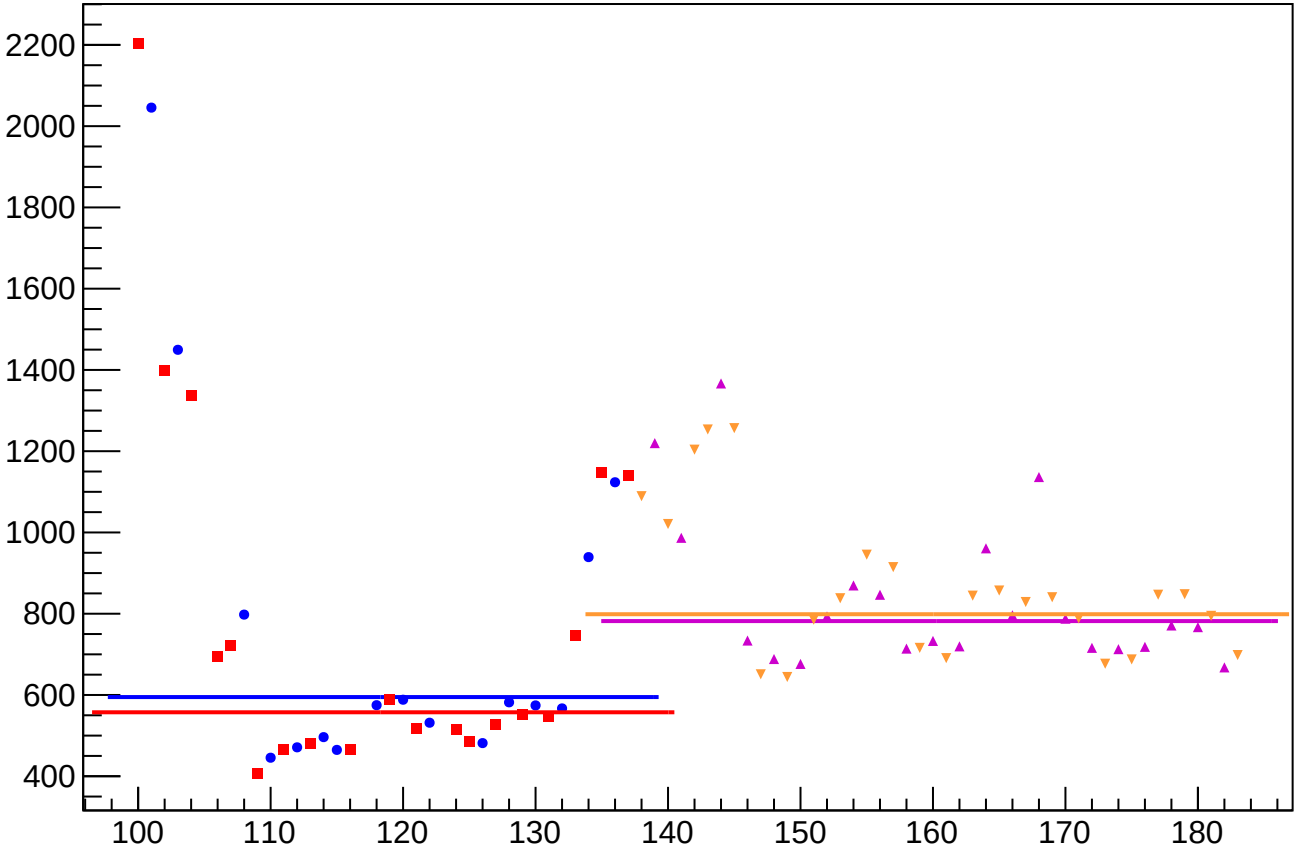
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 69.119+/-147.067 χ^2/NDF:36.4/37

Out: -128.409+/-141.446 χ^2/NDF:88.3/42

All: -33.492+/-101.946 χ^2/NDF: 125.6/80

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 798.756+/-0.132 χ^2/NDF:1166711.9/23

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 781.863+/-0.132 χ^2/NDF:1059722.8/21

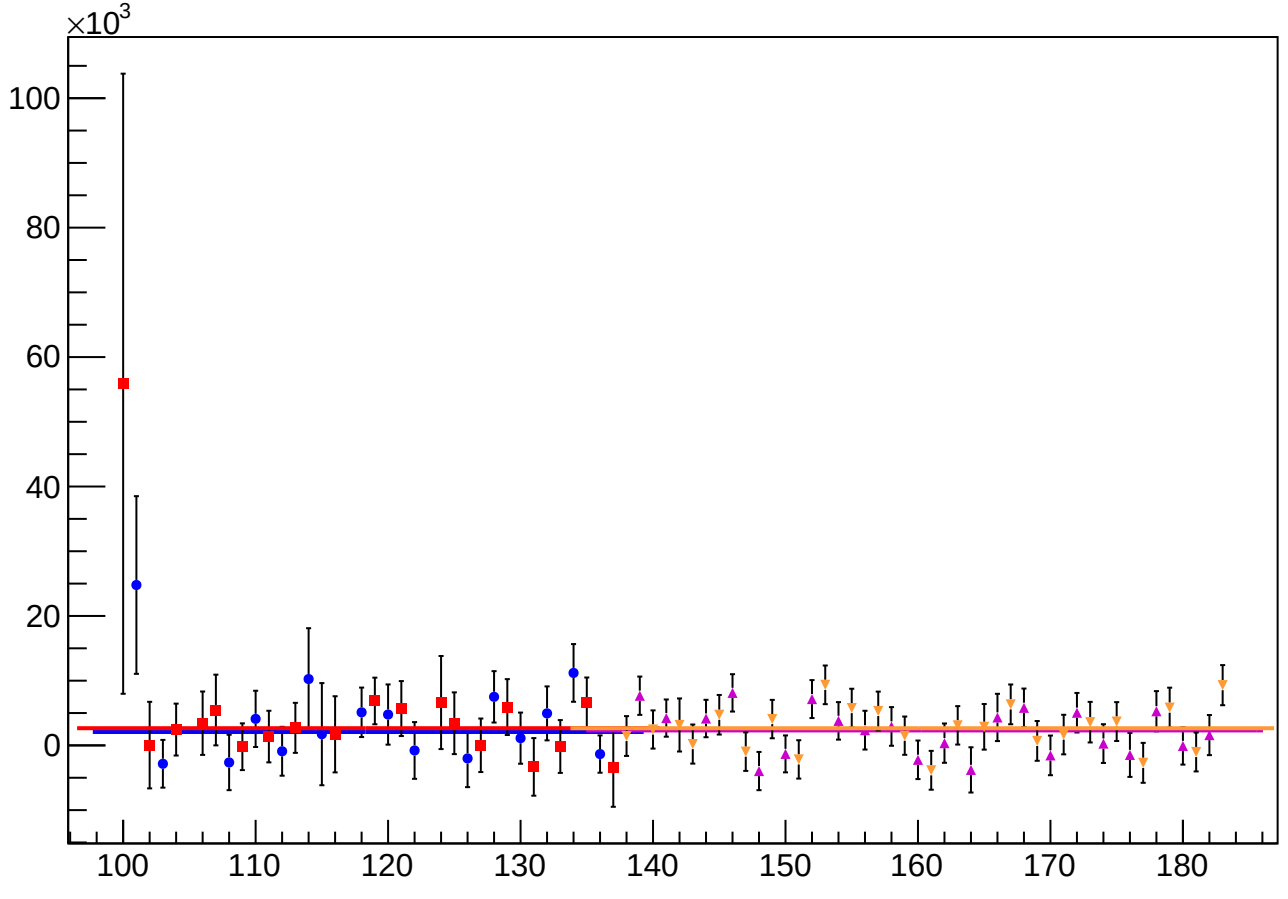
Left: 790.349+/-0.093 χ^2/NDF: 2234604.8/45

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 710.130+/-0.104 χ^2/NDF:3677002.3/37

Out: 696.297+/-0.100 χ^2/NDF:4220684.4/42

All: 702.944+/-0.072 χ^2/NDF: 7906878.7/80



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2651.104+/-626.421 χ^2/NDF:29.7/23

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: 2487.683+/-449.468 χ^2/NDF: 60.4/45

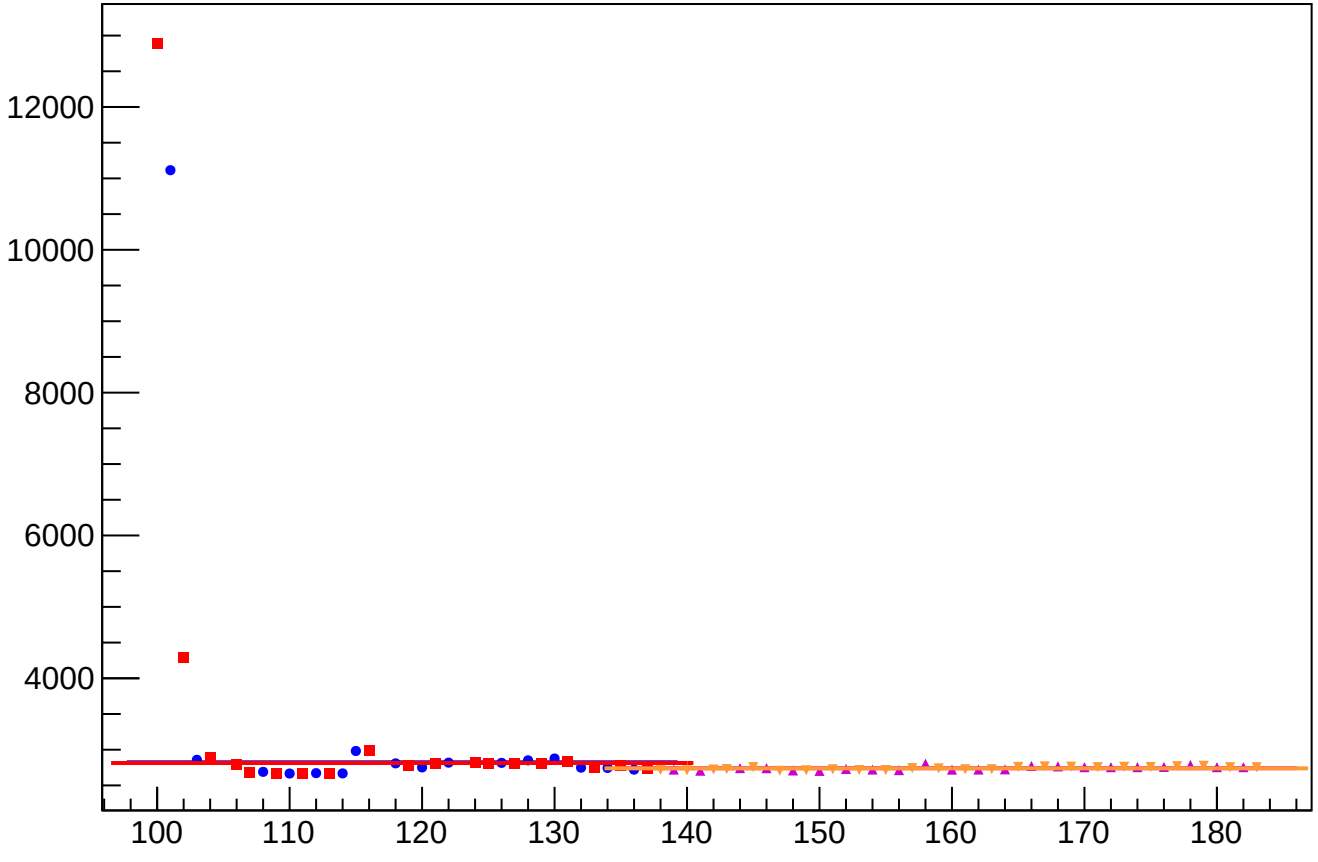
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2251.020+/-553.560 χ^2/NDF:48.5/37

Out: 2652.731+/-537.941 χ^2/NDF:39.7/42

All: 2457.622+/-385.785 χ^2/NDF: 88.4/80

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2739.208+/-0.443 χ^2/NDF:2318.8/23

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2741.145+/-0.456 χ^2/NDF:3351.6/21

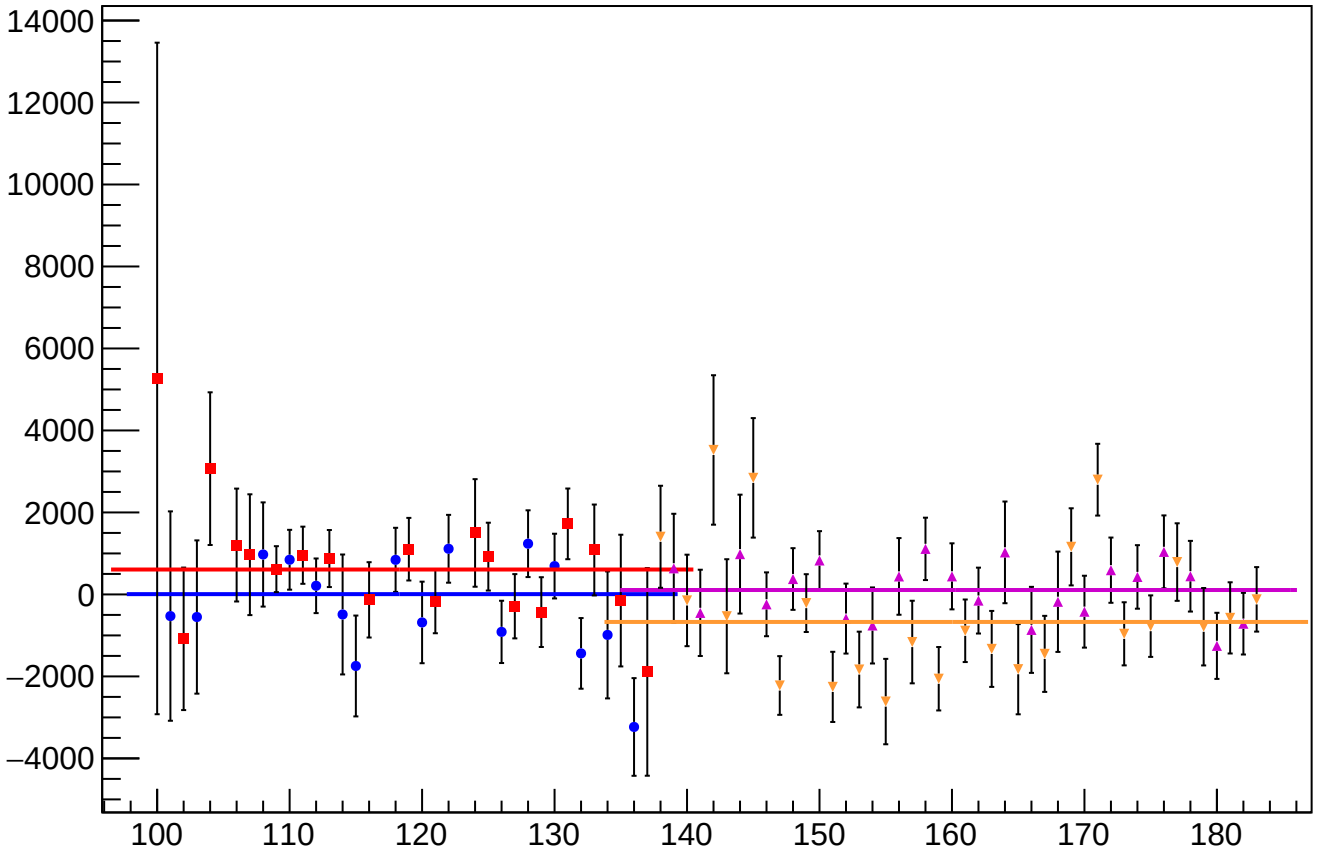
Left: 2740.148+/-0.318 χ^2/NDF: 5679.7/45

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2762.881+/-0.391 χ^2/NDF:755859.8/37

Out: 2758.798+/-0.380 χ^2/NDF:210280.0/42

All: 2760.781+/-0.273 χ^2/NDF: 966195.8/80



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -671.357+/-186.453 χ^2/NDF:56.1/23

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 107.746+/-187.318 χ^2/NDF:13.5/21

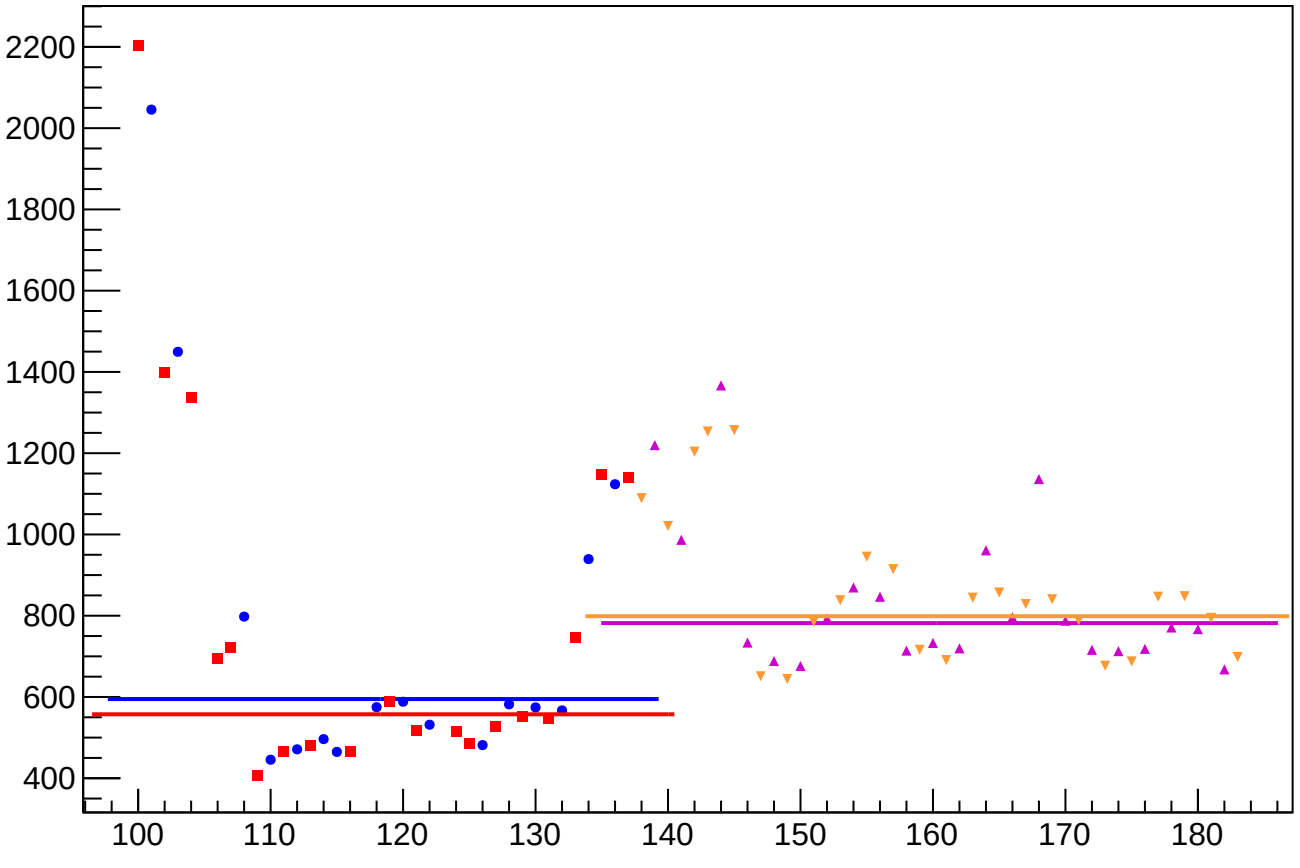
Left: -283.607+/-132.147 χ^2/NDF: 78.3/45

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 69.120+/-147.067 χ^2/NDF:36.4/37

Out: -128.410+/-141.446 χ^2/NDF:88.3/42

All: -33.492+/-101.946 χ^2/NDF: 125.6/80



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 798.756+/-0.132 χ^2/NDF:1166713.7/23

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: 790.349+/-0.093 χ^2/NDF: 2234610.0/45

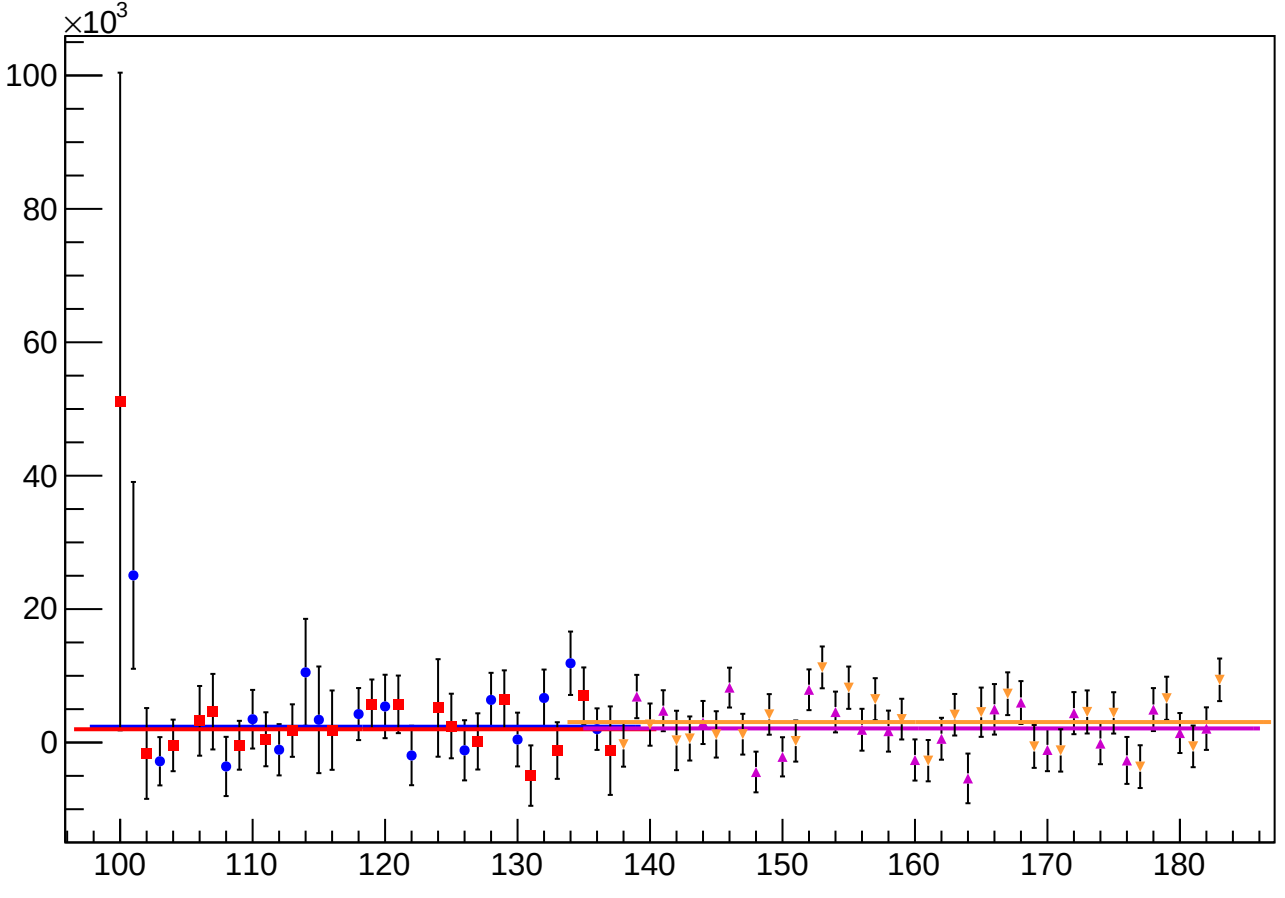
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 710.130+/-0.104 χ^2/NDF:3676994.9/37

Out: 696.297+/-0.100 χ^2/NDF:4220682.6/42

All: 702.944+/-0.072 χ^2/NDF: 7906869.4/80

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3066.646+/-657.846 χ^2/NDF:34.1/23

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: 2600.728+/-471.421 χ^2/NDF: 66.8/45

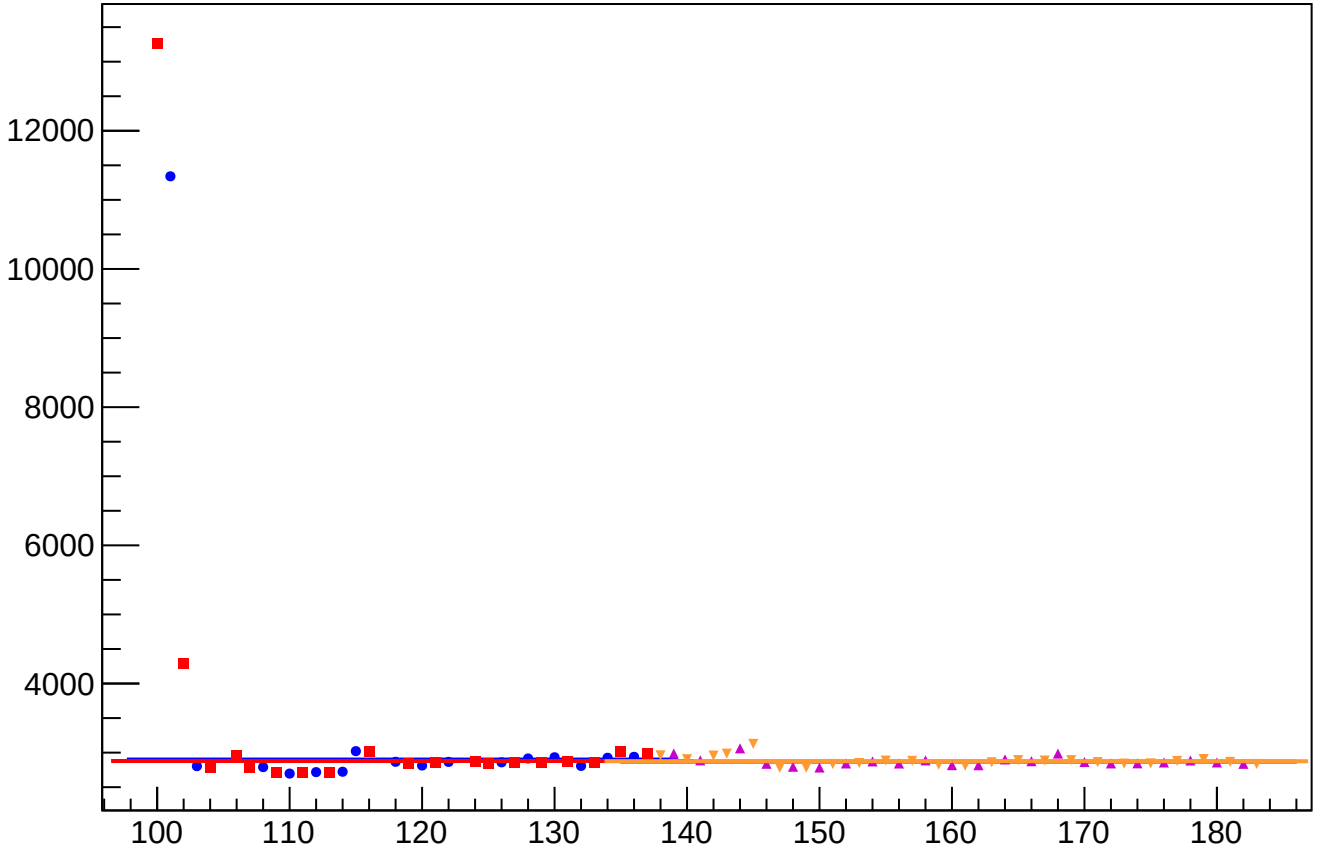
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2179.100+/-576.759 χ^2/NDF:48.5/37

Out: 2772.627+/-561.163 χ^2/NDF:45.2/42

All: 2483.997+/-402.203 χ^2/NDF: 94.2/80

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2875.550+/-0.465 χ^2/NDF:21661.4/23

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2870.418+/-0.478 χ^2/NDF:17668.7/21

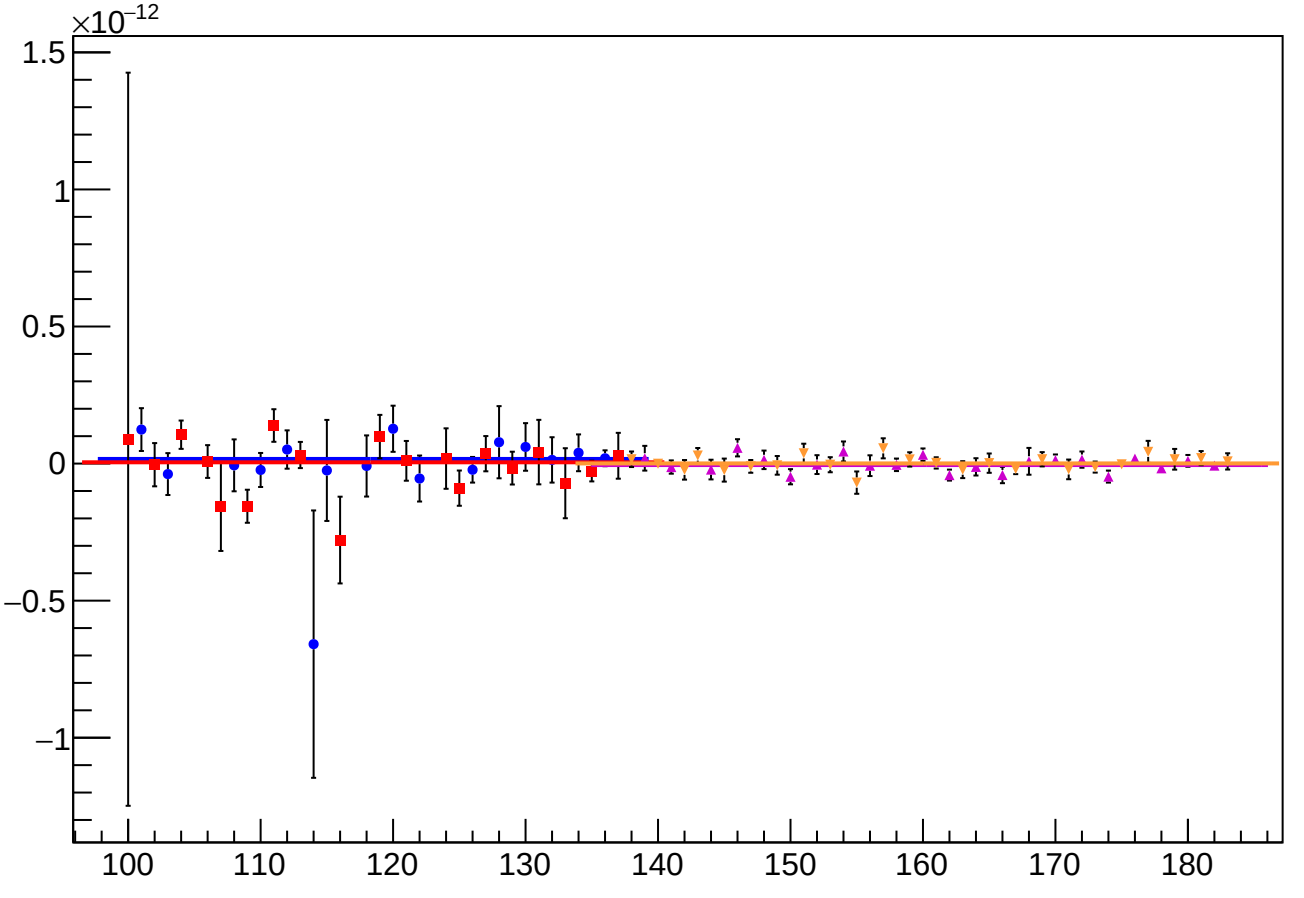
Left: 2873.054+/-0.333 χ^2/NDF: 39389.3/45

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2878.413+/-0.408 χ^2/NDF:760516.2/37

Out: 2876.478+/-0.397 χ^2/NDF:214958.4/42

All: 2877.419+/-0.284 χ^2/NDF: 975486.2/80



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:25.4/21

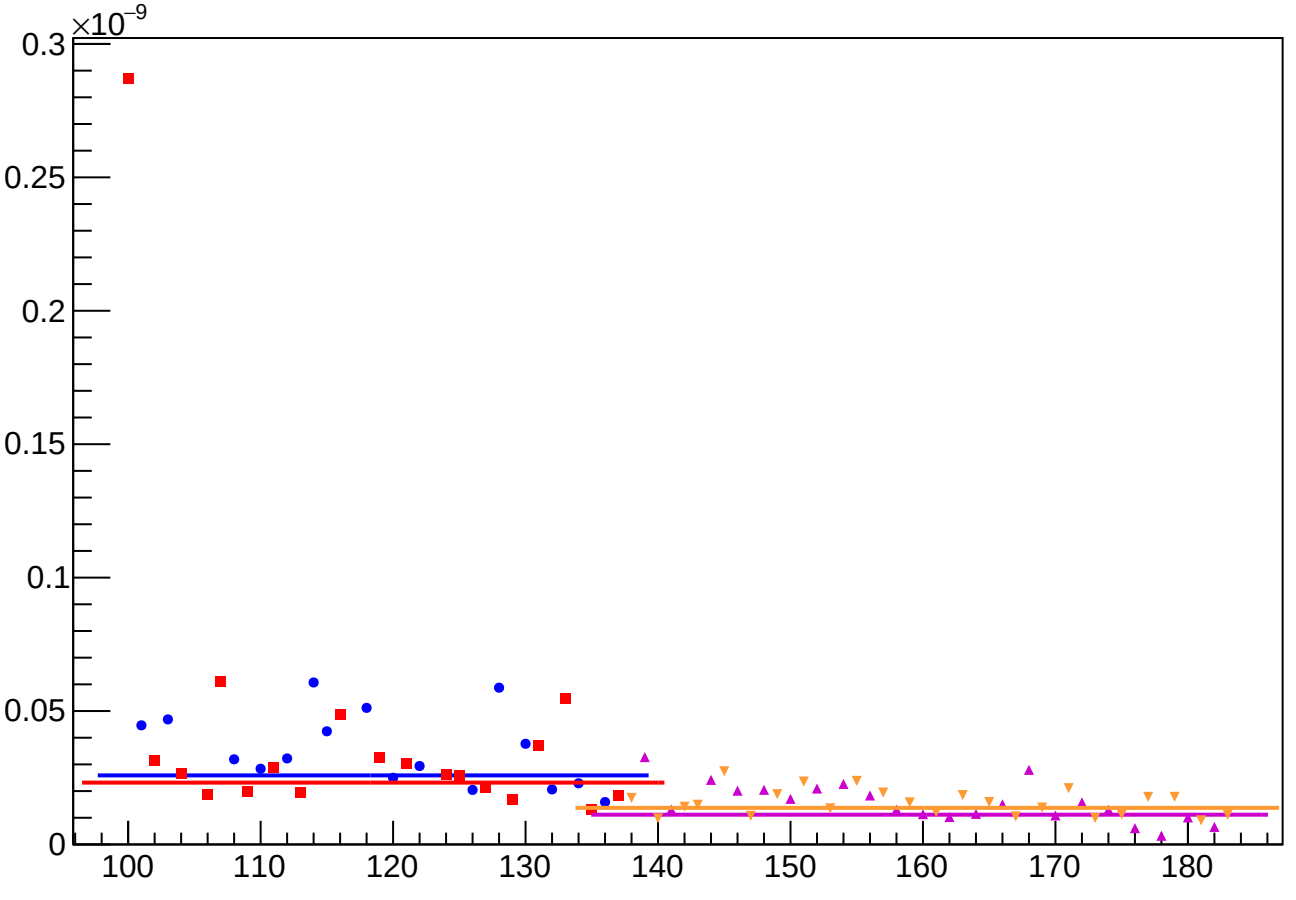
Left: -0.000+/-0.000 χ^2/NDF: 39.8/45

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:39.6/42

All: -0.000+/-0.000 χ^2/NDF: 75.9/80



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1210241.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3164210.4/21

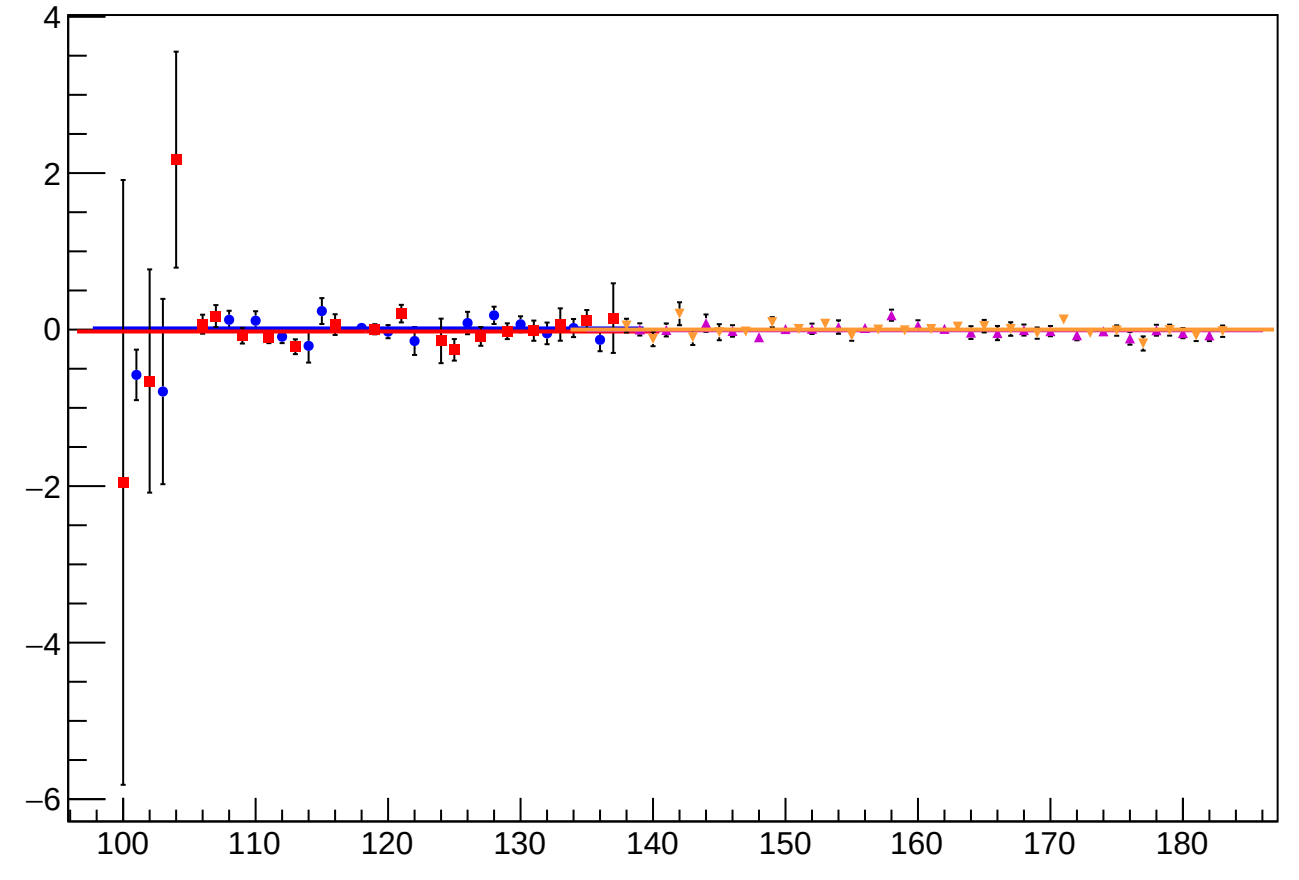
Left: 0.000+/-0.000 χ^2/NDF: 4614137.1/45

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:2548146.1/42

All: 0.000+/-0.000 χ^2/NDF: 8206071.3/80



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:21.7/23

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: -0.004+/-0.010 χ^2/NDF: 37.4/45

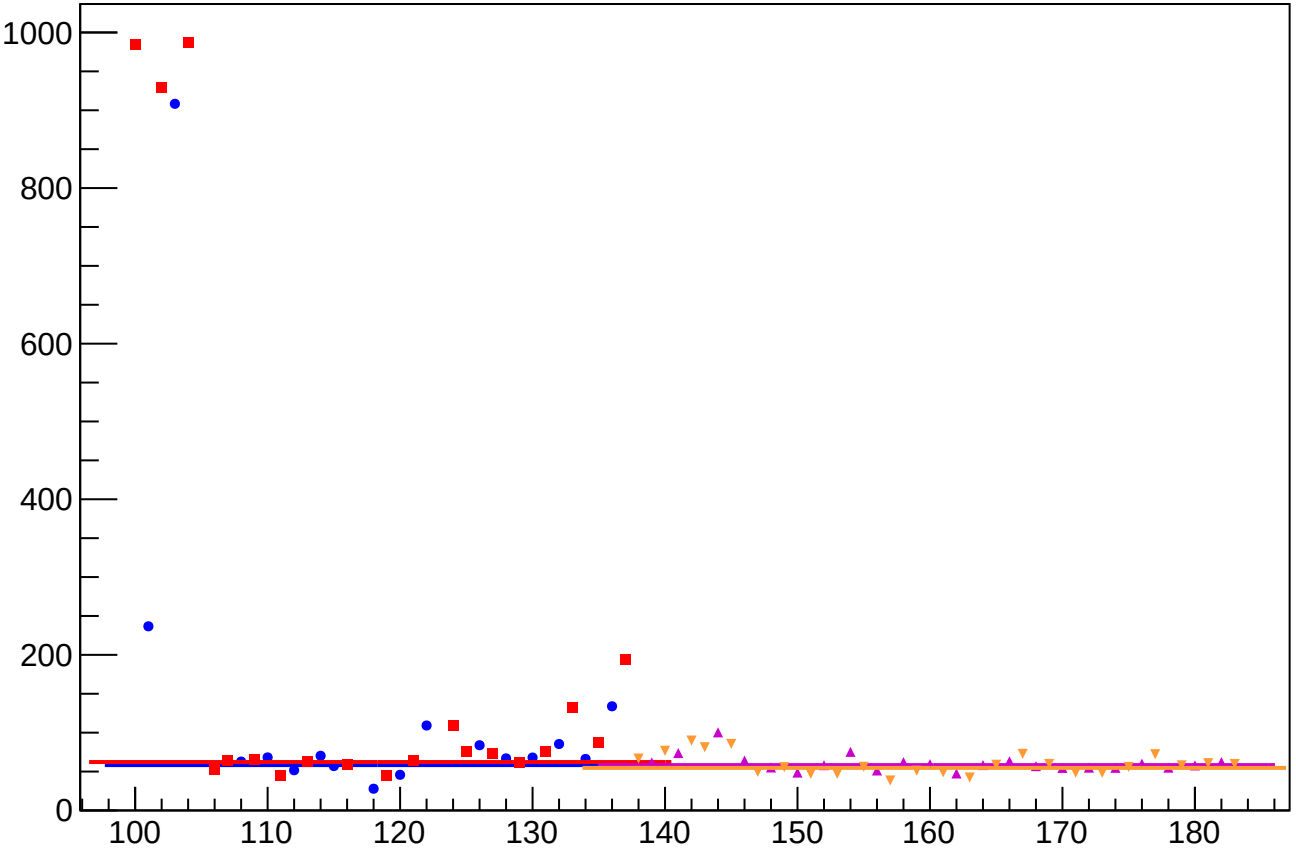
Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.003+/-0.013 χ^2/NDF:31.1/37

Out: -0.004+/-0.013 χ^2/NDF:43.1/42

All: -0.004+/-0.009 χ^2/NDF: 74.2/80

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.715+/-0.010 χ^2/NDF:1206702.8/23

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.288+/-0.011 χ^2/NDF:647874.9/21

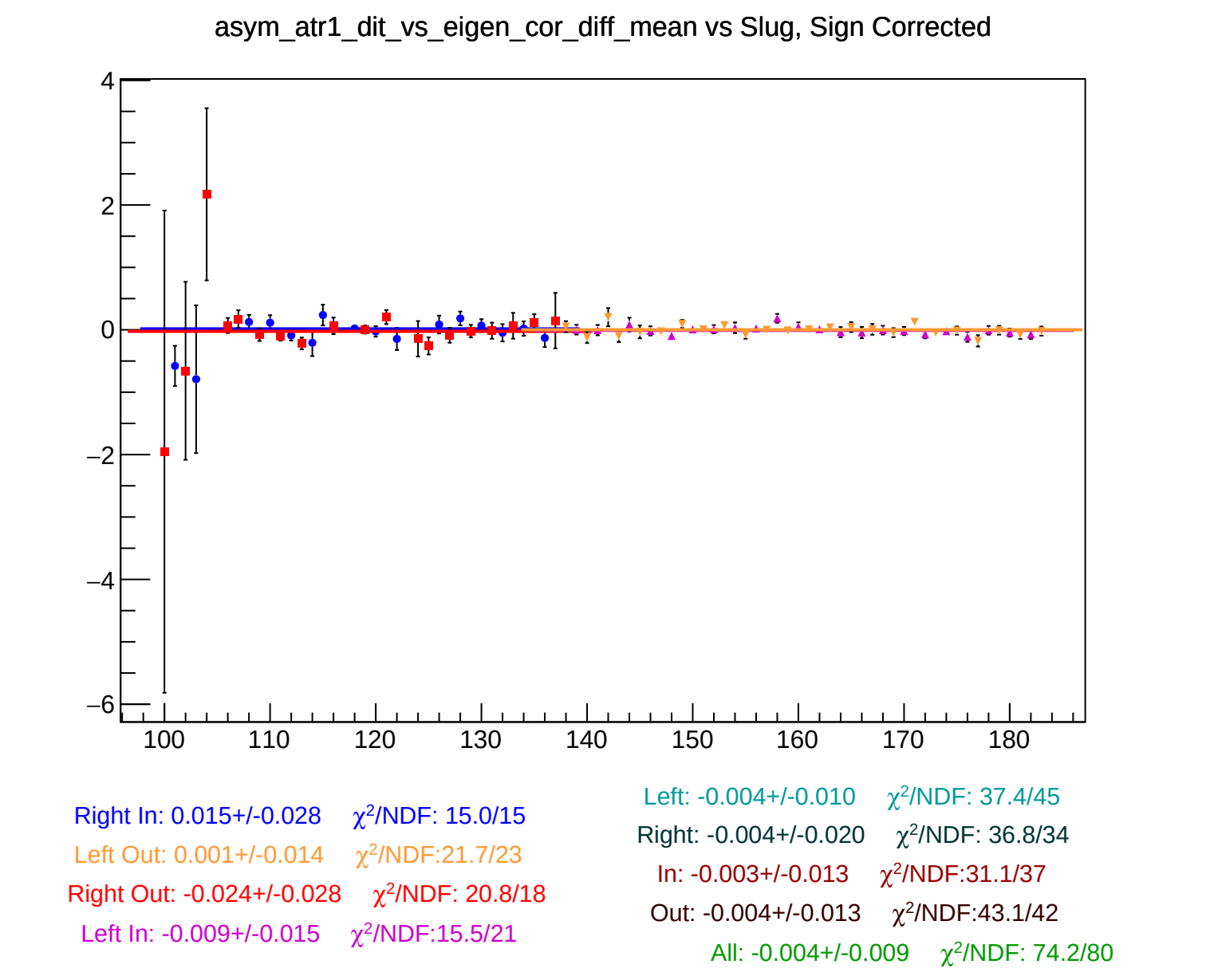
Left: 56.396+/-0.007 χ^2/NDF: 1914733.7/45

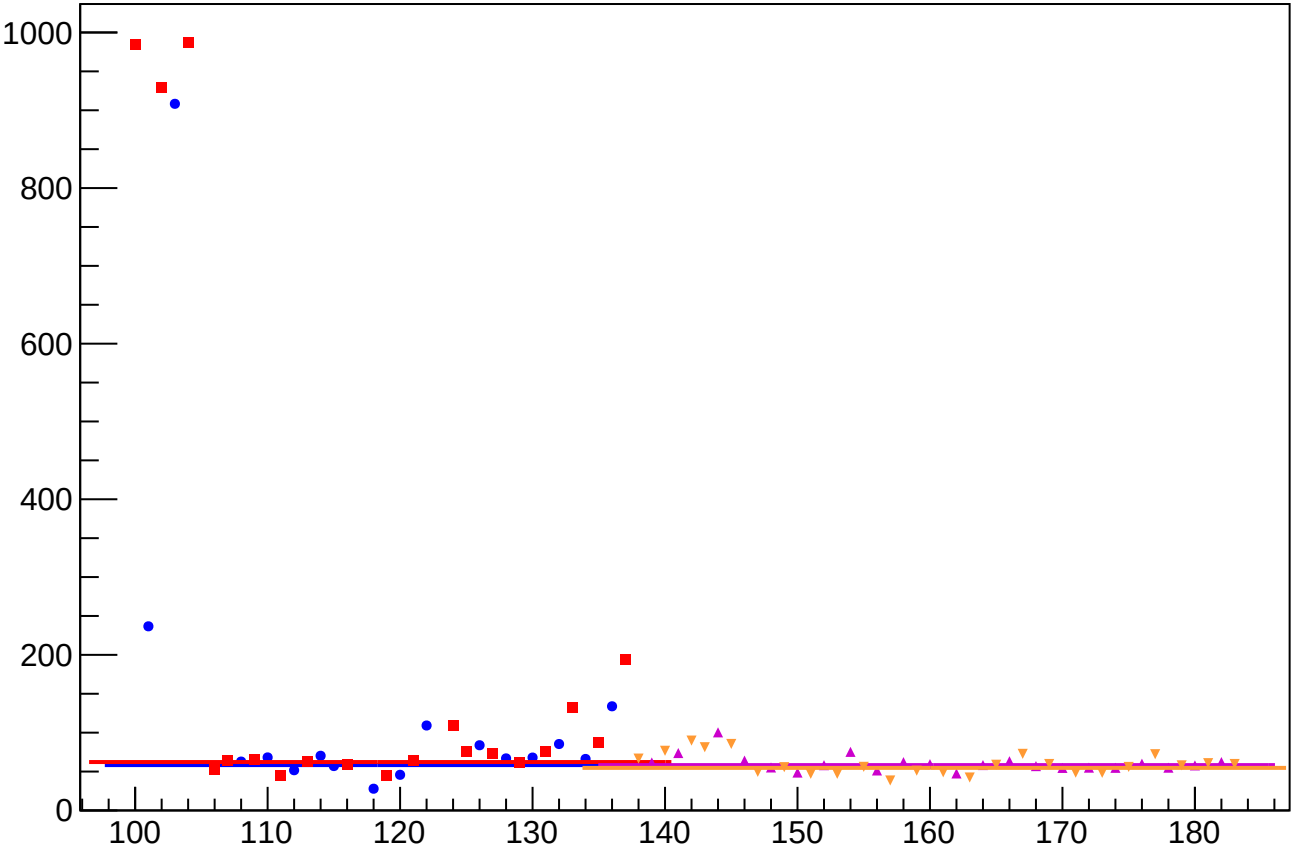
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.294+/-0.009 χ^2/NDF:3908280.4/37

Out: 56.239+/-0.009 χ^2/NDF:3948542.7/42

All: 57.220+/-0.006 χ^2/NDF: 7882141.4/80


asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
Right In: 0.015+/-0.028 χ²/NDF: 15.0/15
Left Out: 0.001+/-0.014 χ²/NDF:21.7/23
Right Out: -0.024+/-0.028 χ²/NDF: 20.8/18
Left In: -0.009+/-0.015 χ²/NDF:15.5/21
Left: -0.004+/-0.010 χ²/NDF: 37.4/45
Right: -0.004+/-0.020 χ²/NDF: 36.8/34
In: -0.003+/-0.013 χ²/NDF:31.1/37
Out: -0.004+/-0.013 χ²/NDF:43.1/42
All: -0.004+/-0.009 χ²/NDF: 74.2/80



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.715+/-0.010 χ^2/NDF:1206702.8/23

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.288+/-0.011 χ^2/NDF:647874.9/21

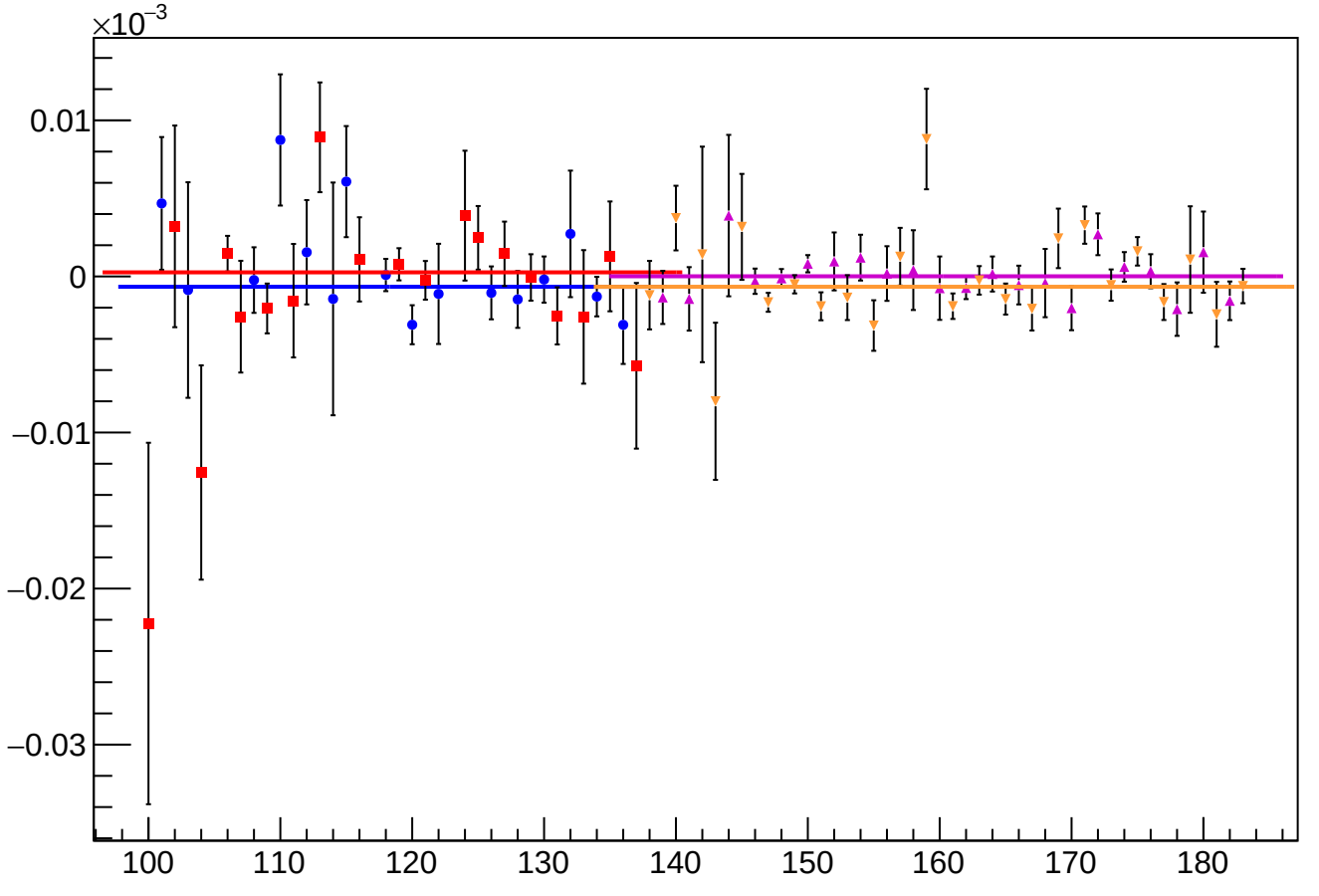
Left: 56.396+/-0.007 χ^2/NDF: 1914733.7/45

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.294+/-0.009 χ^2/NDF:3908280.4/37

Out: 56.239+/-0.009 χ^2/NDF:3948542.7/42

All: 57.220+/-0.006 χ^2/NDF: 7882141.4/80



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.6/21

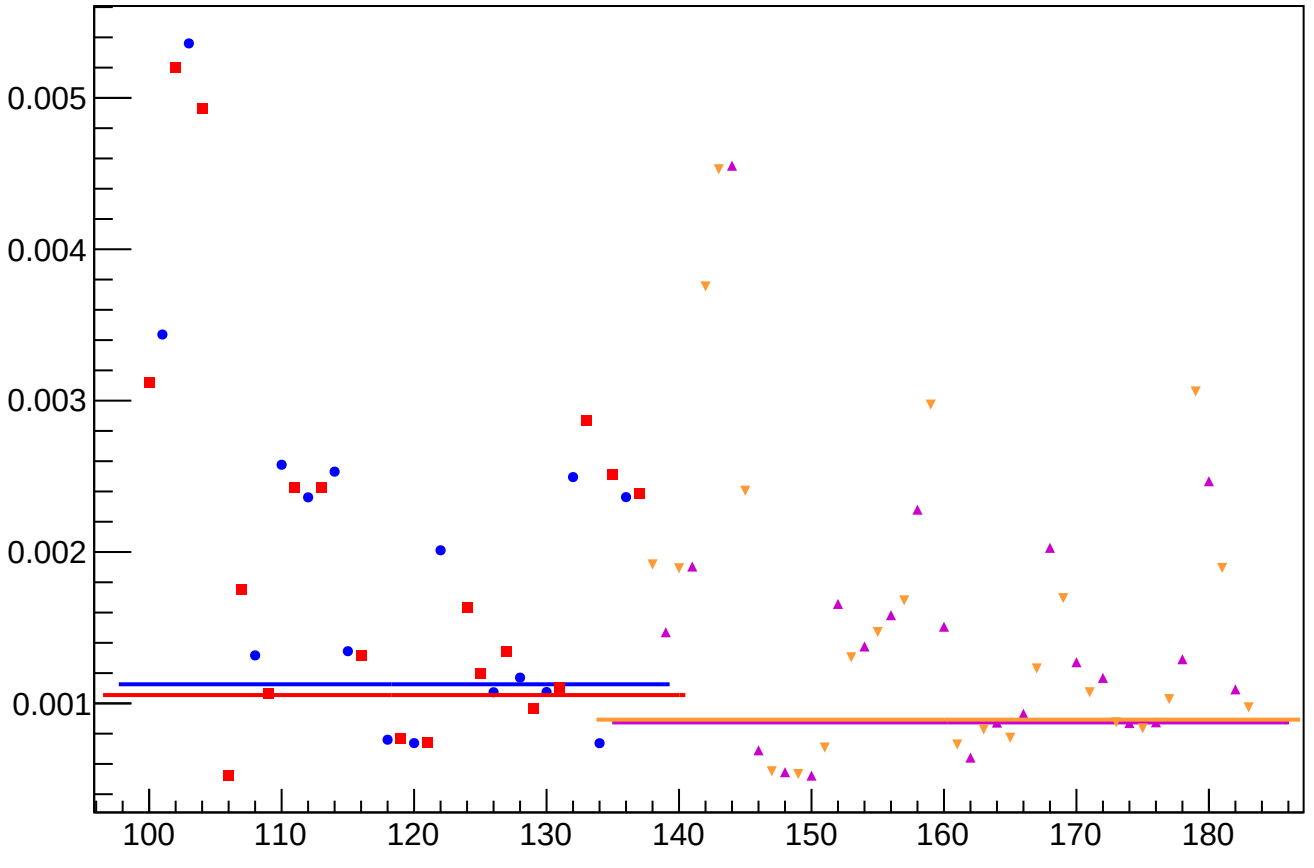
Left: -0.000+/-0.000 χ^2/NDF: 71.4/45

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:78.5/42

All: -0.000+/-0.000 χ^2/NDF: 115.2/80



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:7739050.5/23

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:6963599.8/21

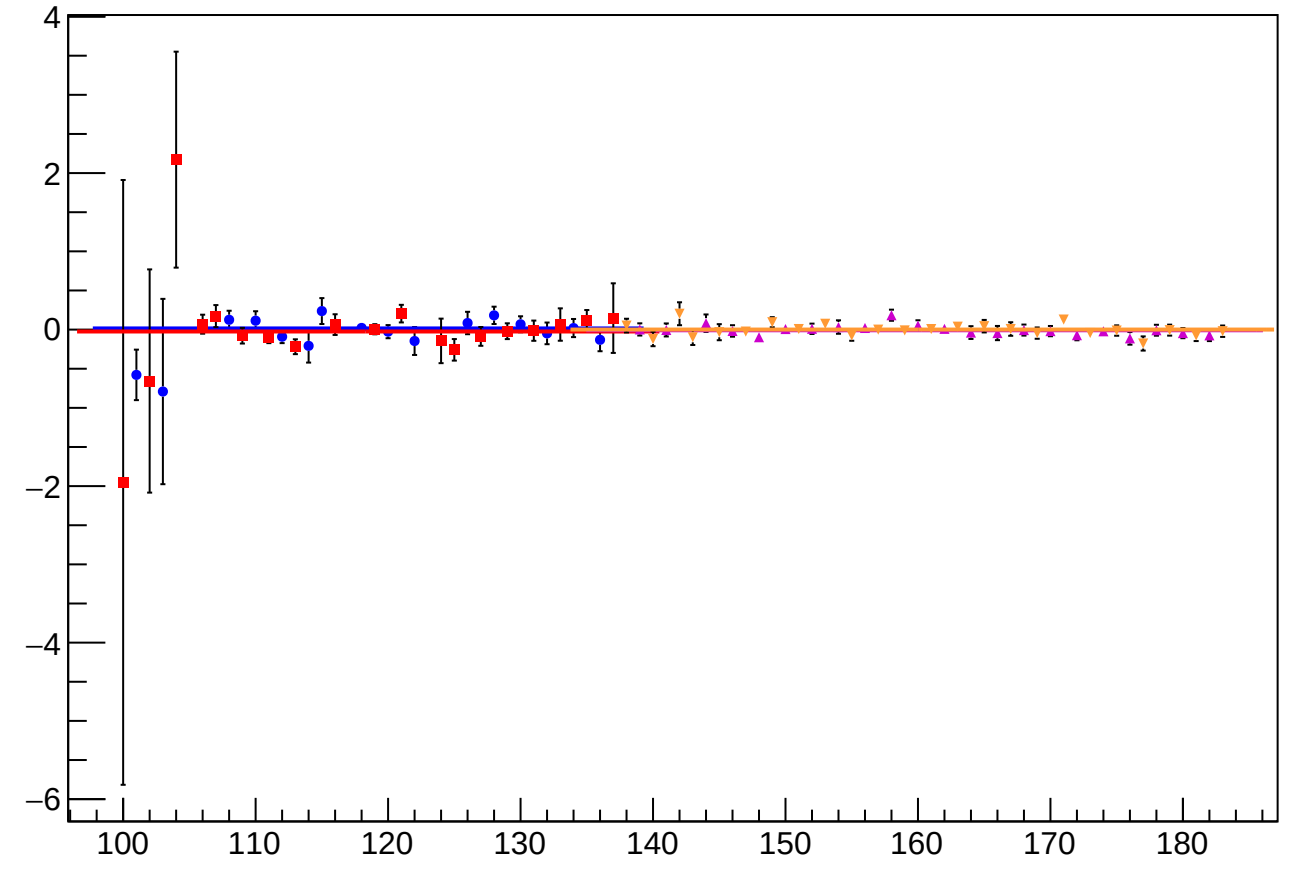
Left: 0.001+/-0.000 χ^2/NDF: 14708612.4/45

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:11782040.5/42

All: 0.001+/-0.000 χ^2/NDF: 22626072.6/80



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:21.7/23

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.009+/-0.015 χ^2/NDF:15.5/21

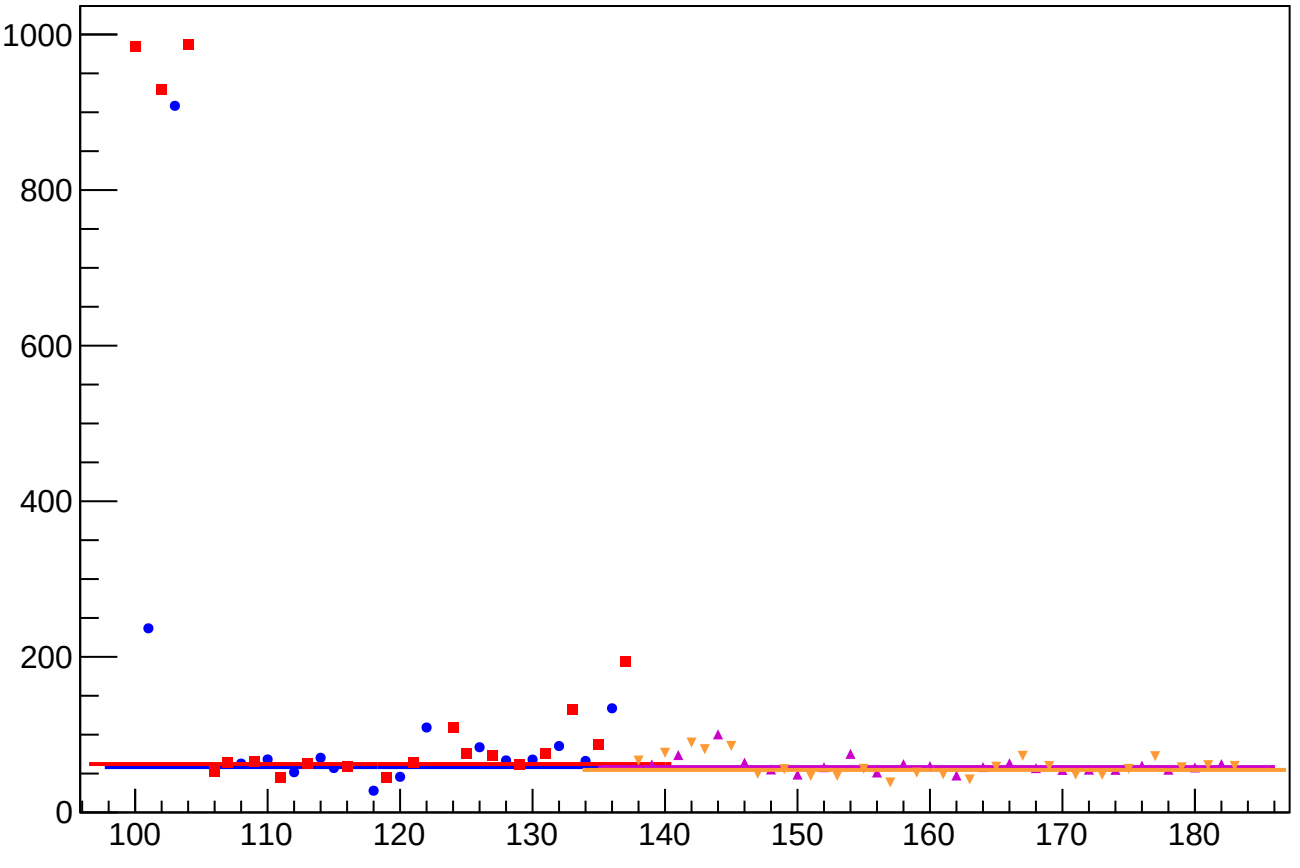
Left: -0.004+/-0.010 χ^2/NDF: 37.4/45

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:43.1/42

All: -0.004+/-0.009 χ^2/NDF: 74.2/80



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.714+/-0.010 χ^2/NDF:1206777.2/23

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.288+/-0.011 χ^2/NDF:647898.2/21

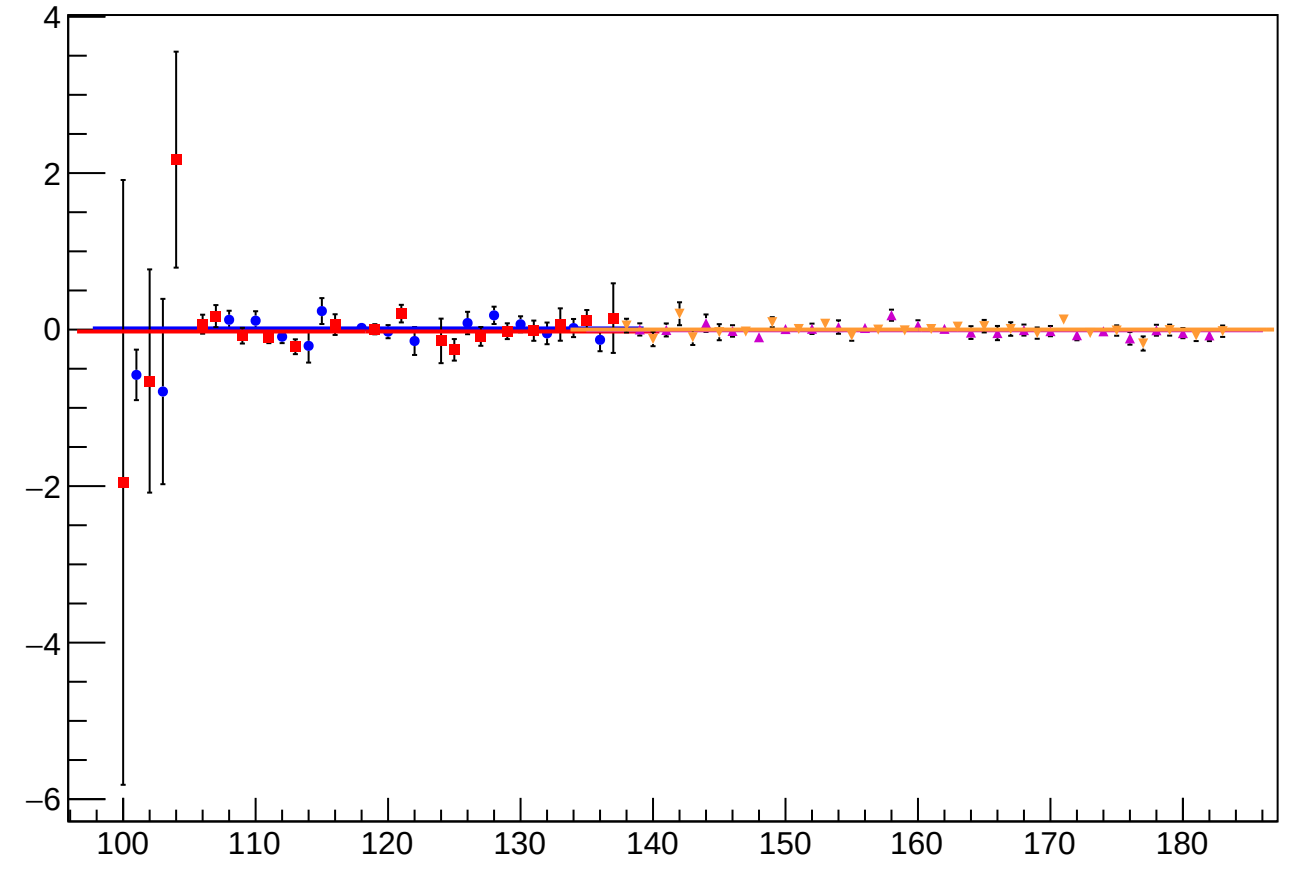
Left: 56.395+/-0.007 χ^2/NDF: 1914847.3/45

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.293+/-0.009 χ^2/NDF:3908383.5/37

Out: 56.239+/-0.009 χ^2/NDF:3948617.8/42

All: 57.220+/-0.006 χ^2/NDF: 7882325.1/80



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:21.7/23

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.009+/-0.015 χ^2/NDF:15.5/21

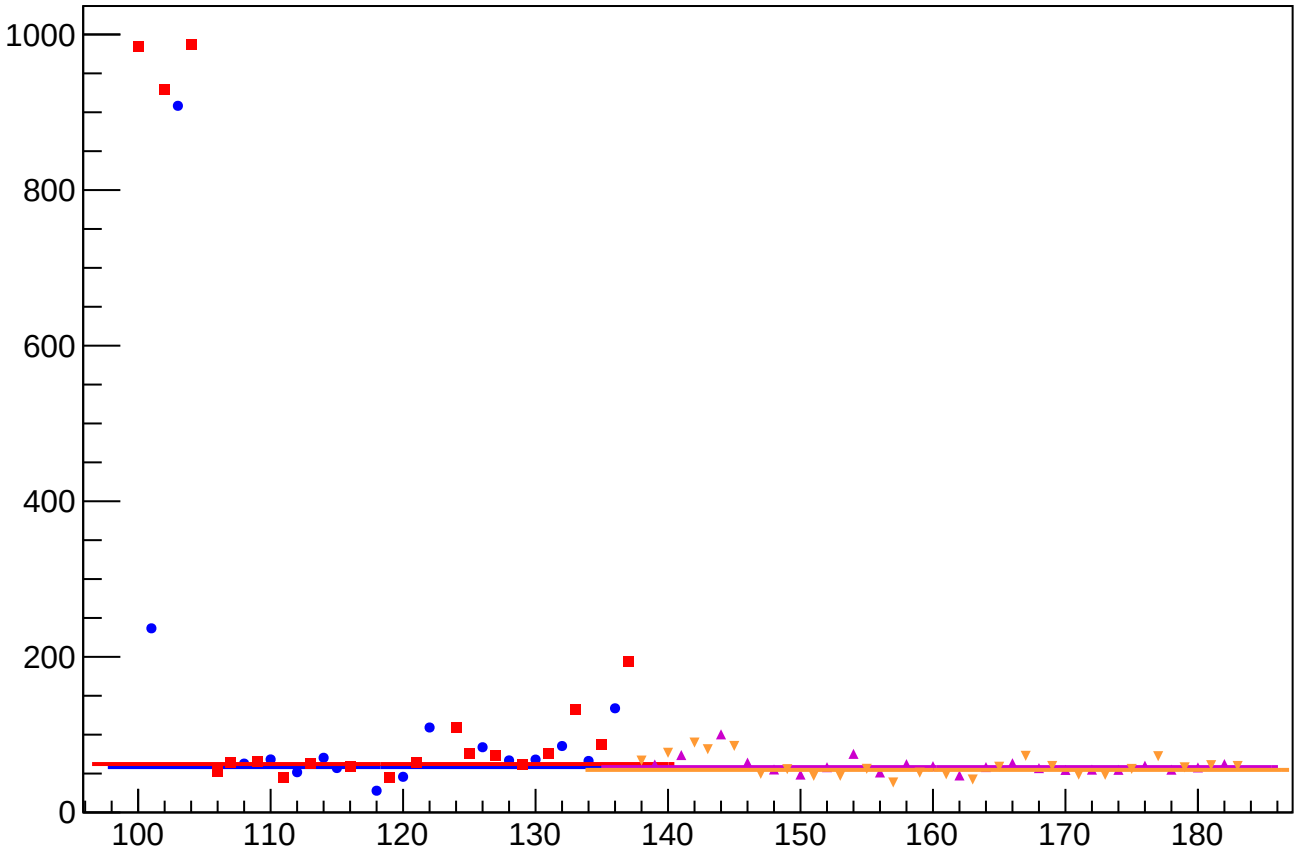
Left: -0.004+/-0.010 χ^2/NDF: 37.4/45

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:43.1/42

All: -0.004+/-0.009 χ^2/NDF: 74.2/80



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.714+/-0.010 χ^2/NDF:1206777.2/23

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.288+/-0.011 χ^2/NDF:647898.2/21

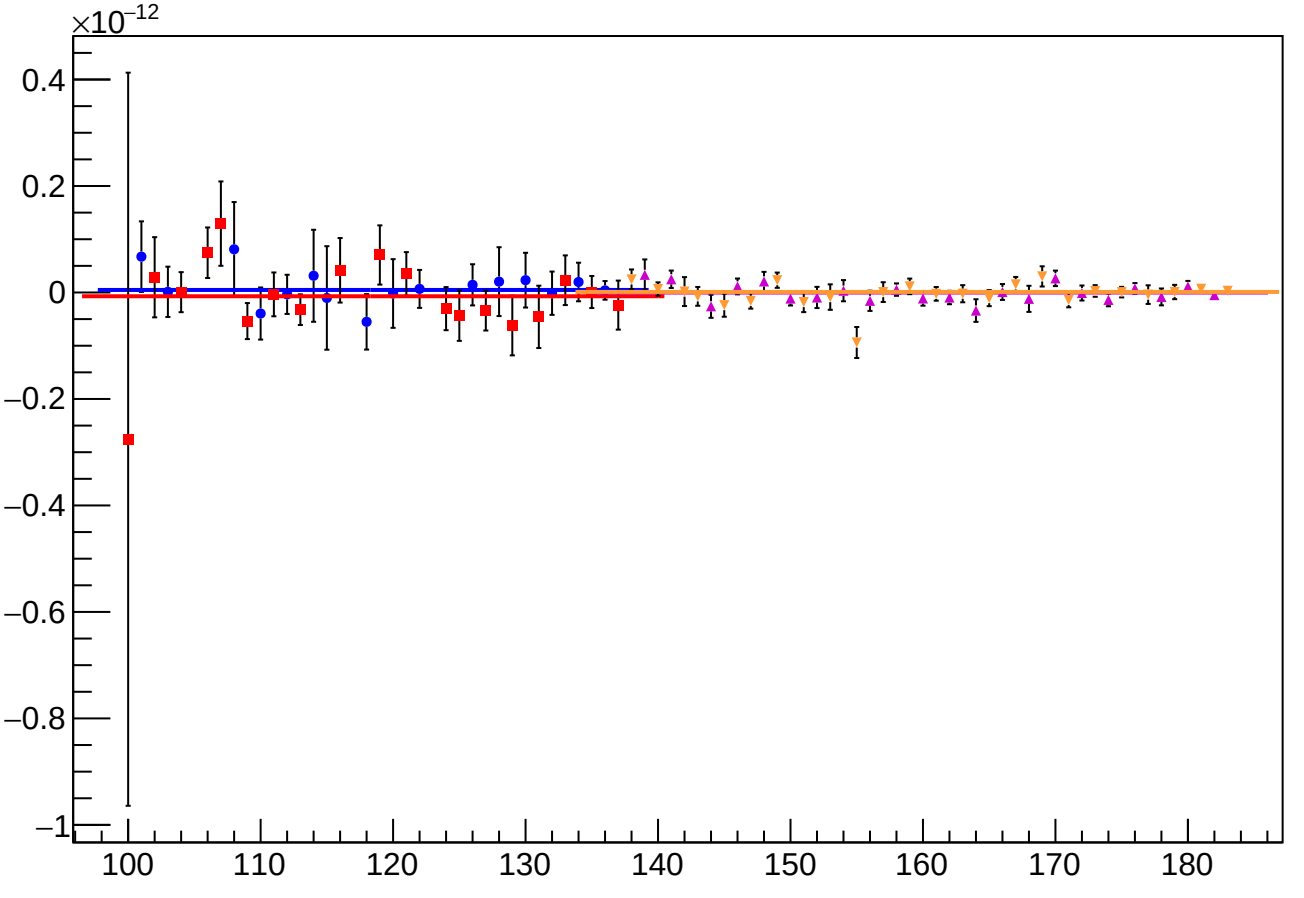
Left: 56.395+/-0.007 χ^2/NDF: 1914847.3/45

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.293+/-0.009 χ^2/NDF:3908383.5/37

Out: 56.239+/-0.009 χ^2/NDF:3948617.8/42

All: 57.220+/-0.006 χ^2/NDF: 7882325.1/80



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:20.0/21

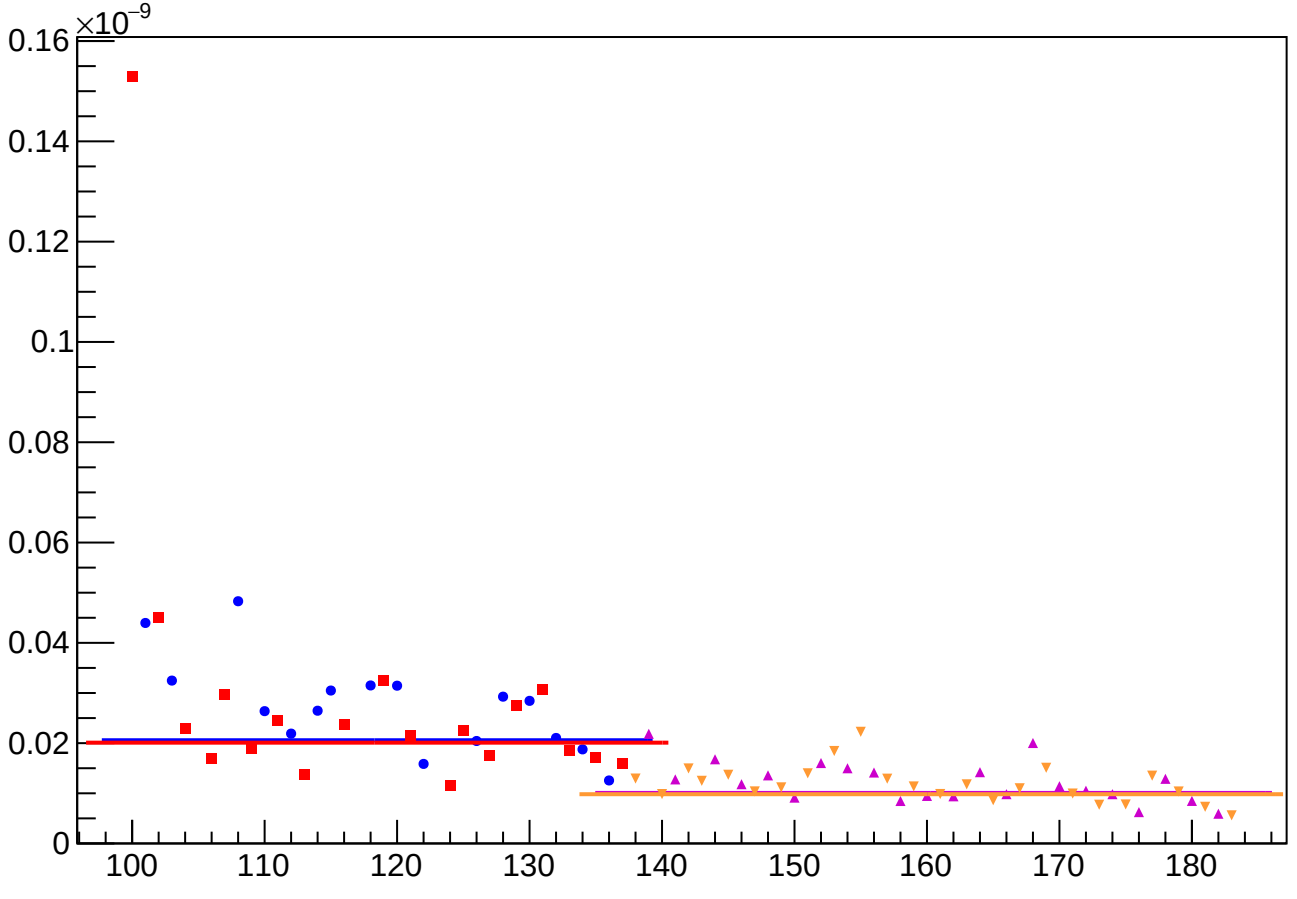
Left: 0.000+/-0.000 χ^2/NDF: 45.3/45

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:41.9/42

All: 0.000+/-0.000 χ^2/NDF: 66.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2267256.1/23

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: 4744462.5/45

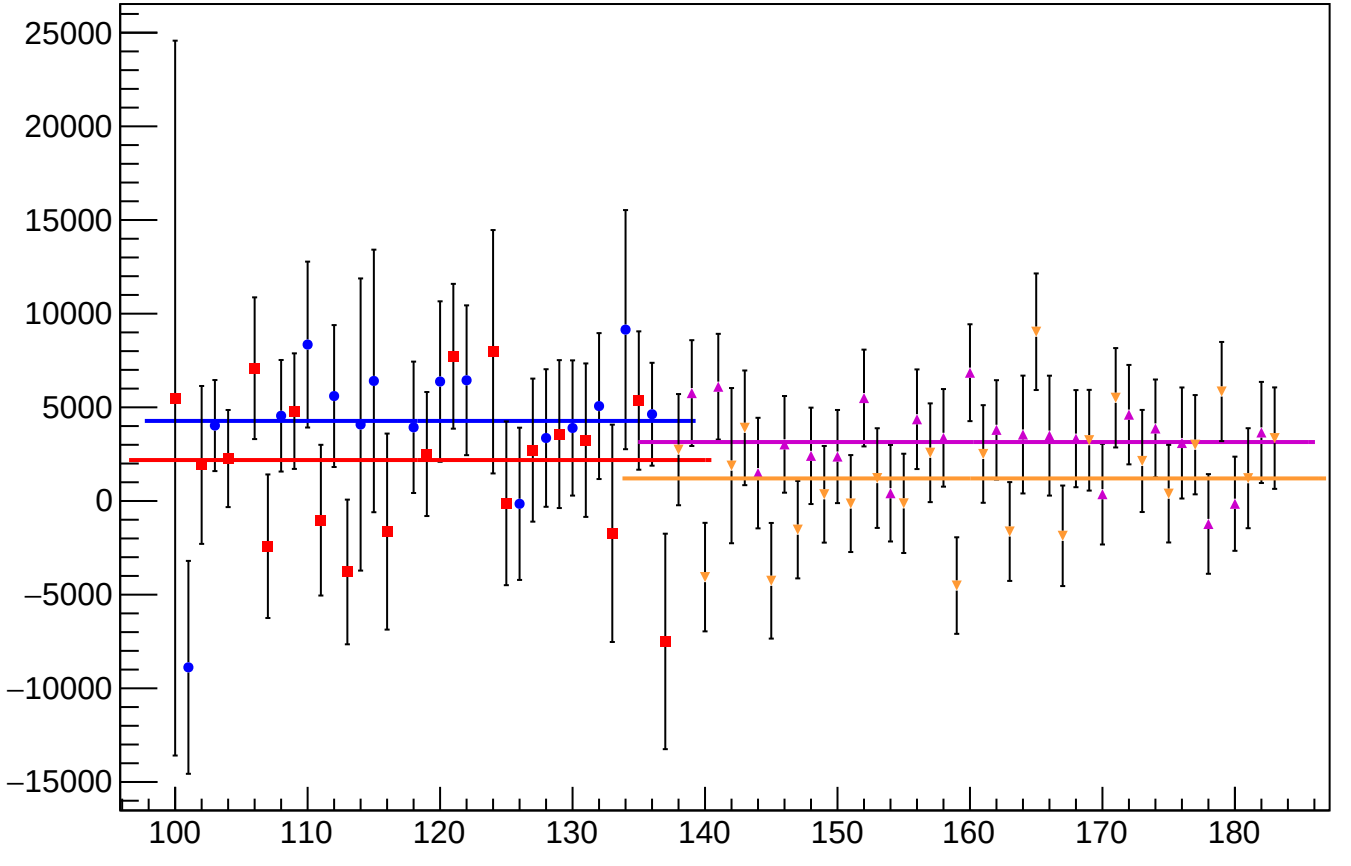
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:5721569.7/37

Out: 0.000+/-0.000 χ^2/NDF:4990300.3/42

All: 0.000+/-0.000 χ^2/NDF: 10725378.7/80

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1204.968+/-560.269 χ^2/NDF:31.1/23

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: 2152.608+/-400.940 χ^2/NDF: 49.6/45

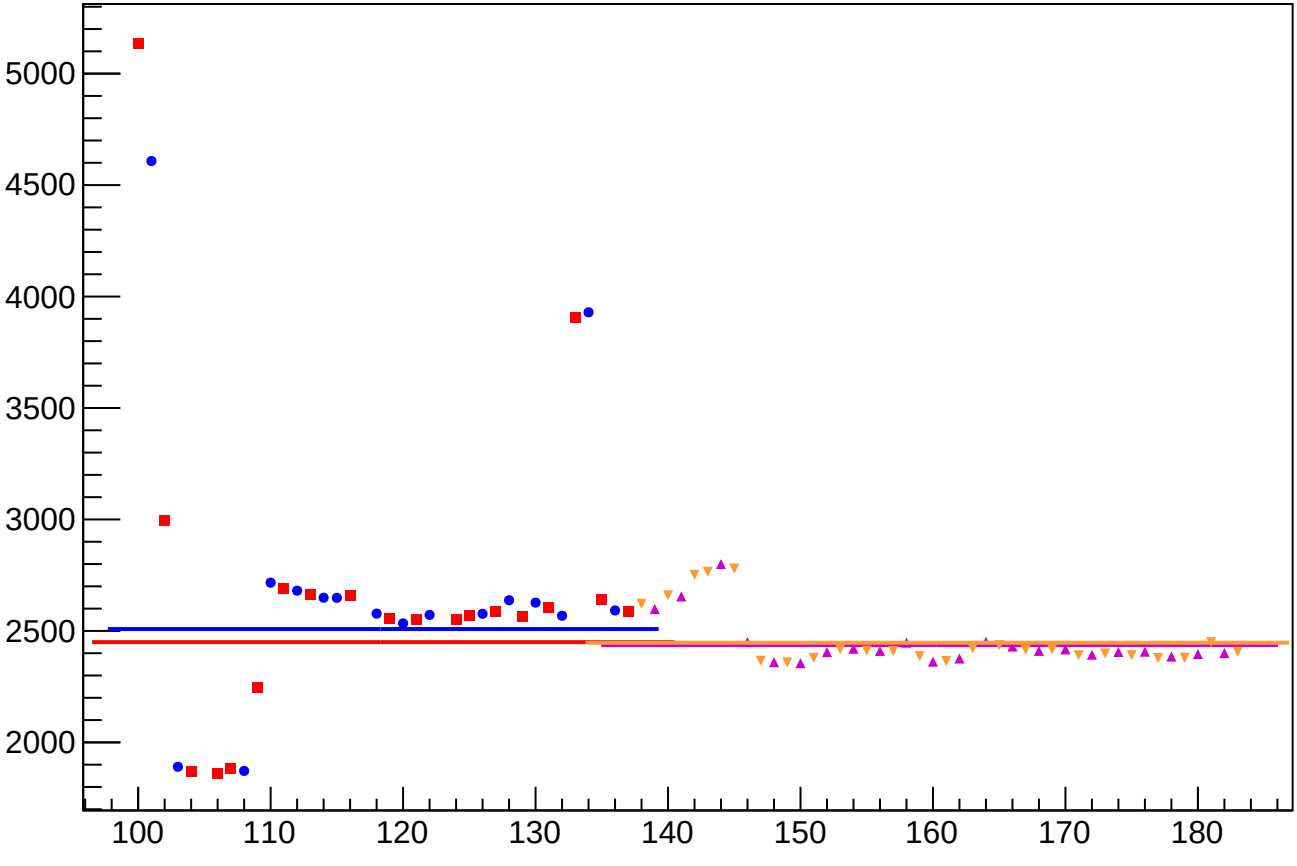
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3447.833+/-491.563 χ^2/NDF:22.6/37

Out: 1469.558+/-478.814 χ^2/NDF:46.7/42

All: 2432.709+/-342.991 χ^2/NDF: 77.6/80

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2446.968+/-0.396 χ^2/NDF:89434.6/23

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2436.403+/-0.406 χ^2/NDF:59115.0/21

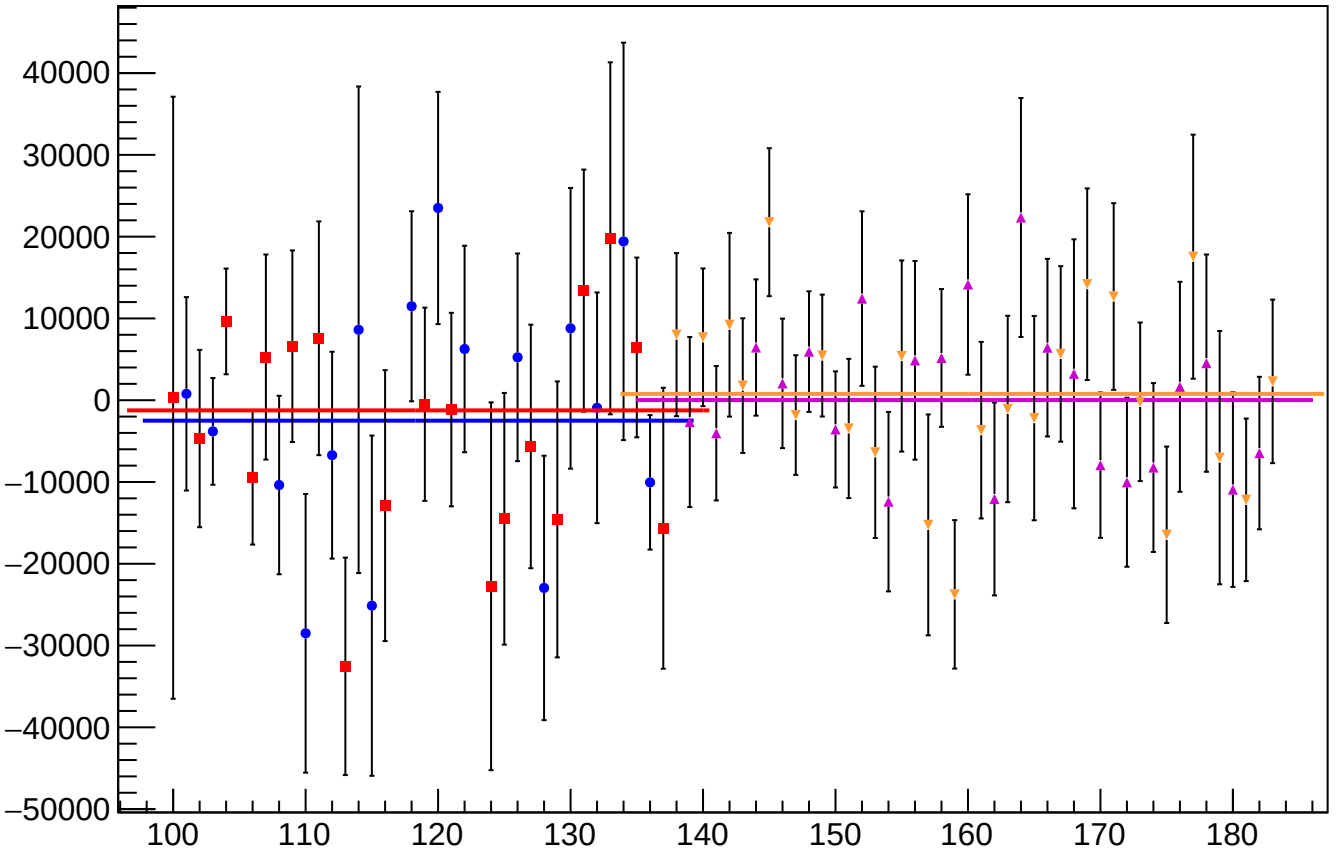
Left: 2441.813+/-0.284 χ^2/NDF: 148896.6/45

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2455.618+/-0.348 χ^2/NDF:679109.9/37

Out: 2447.684+/-0.339 χ^2/NDF:526347.7/42

All: 2451.546+/-0.243 χ^2/NDF: 1205724.9/80



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 769.277+/-2050.112 χ^2/NDF:25.9/23

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 20.329+/-2110.380 χ^2/NDF:14.3/21

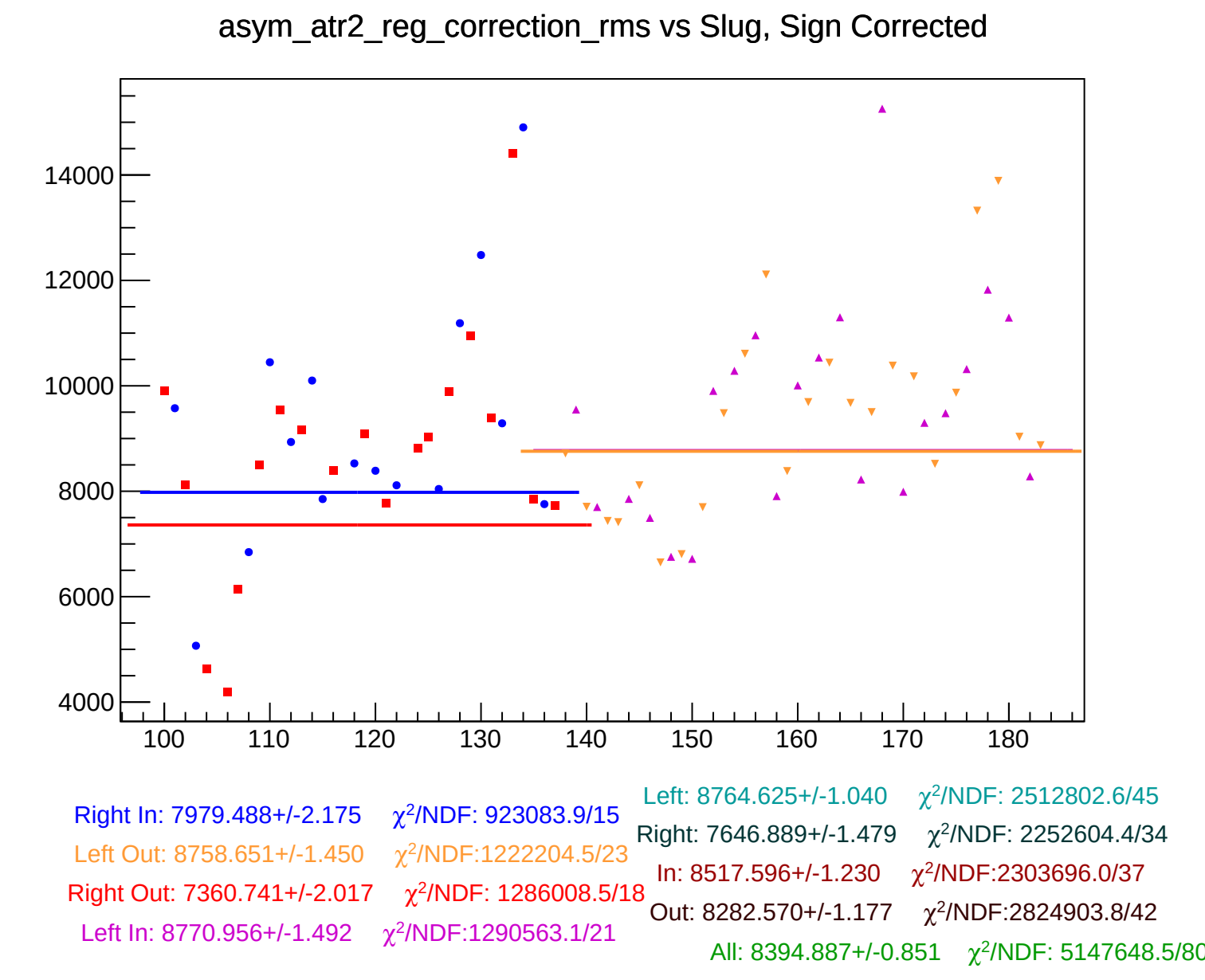
Left: 405.650+/-1470.493 χ^2/NDF: 40.3/45

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

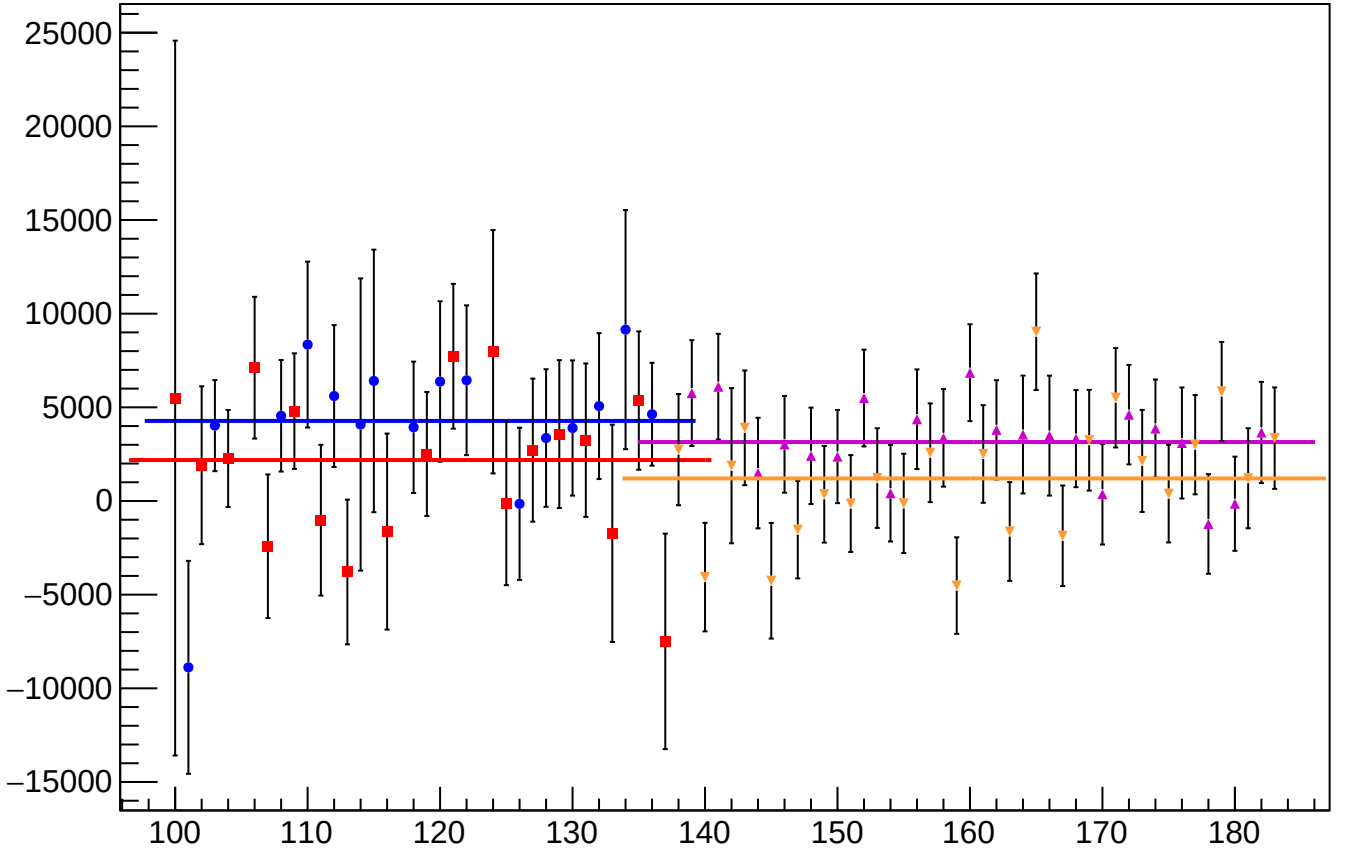
In: -786.655+/-1740.119 χ^2/NDF:28.5/37

Out: 83.502+/-1664.804 χ^2/NDF:42.8/42

All: -332.338+/-1202.939 χ^2/NDF: 71.5/80


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8758.651+/-1.450 χ²/NDF:1222204.5/23
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8770.956+/-1.492 χ²/NDF:1290563.1/21
Left: 8764.625+/-1.040 χ²/NDF: 2512802.6/45
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 8517.596+/-1.230 χ²/NDF:2303696.0/37
Out: 8282.570+/-1.177 χ²/NDF:2824903.8/42
All: 8394.887+/-0.851 χ²/NDF: 5147648.5/80

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1204.802+/-560.269 χ^2/NDF:31.1/23

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: 2152.442+/-400.940 χ^2/NDF: 49.6/45

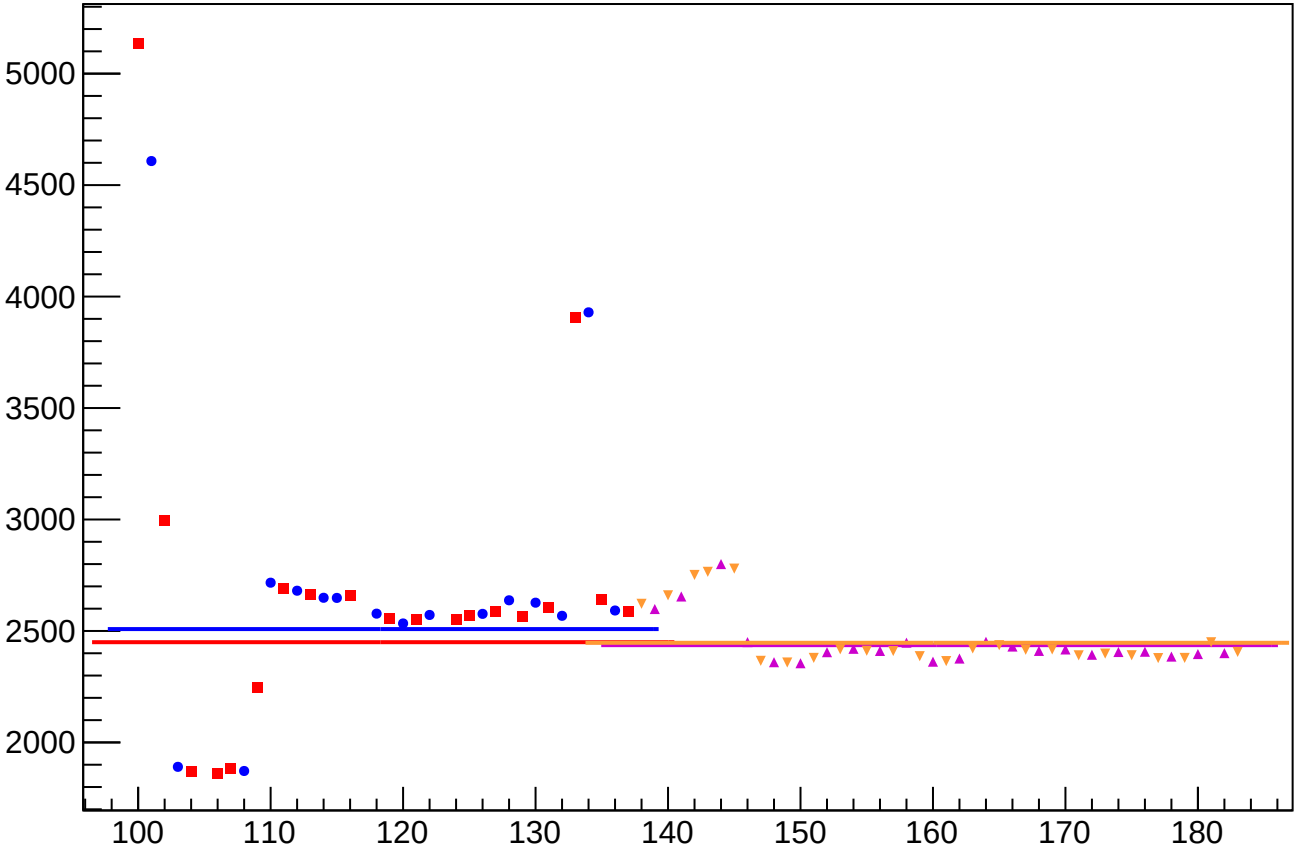
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3447.580+/-491.563 χ^2/NDF:22.6/37

Out: 1469.602+/-478.815 χ^2/NDF:46.7/42

All: 2432.610+/-342.992 χ^2/NDF: 77.6/80

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2446.968+/-0.396 χ^2/NDF:89434.6/23

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2436.403+/-0.406 χ^2/NDF:59115.0/21

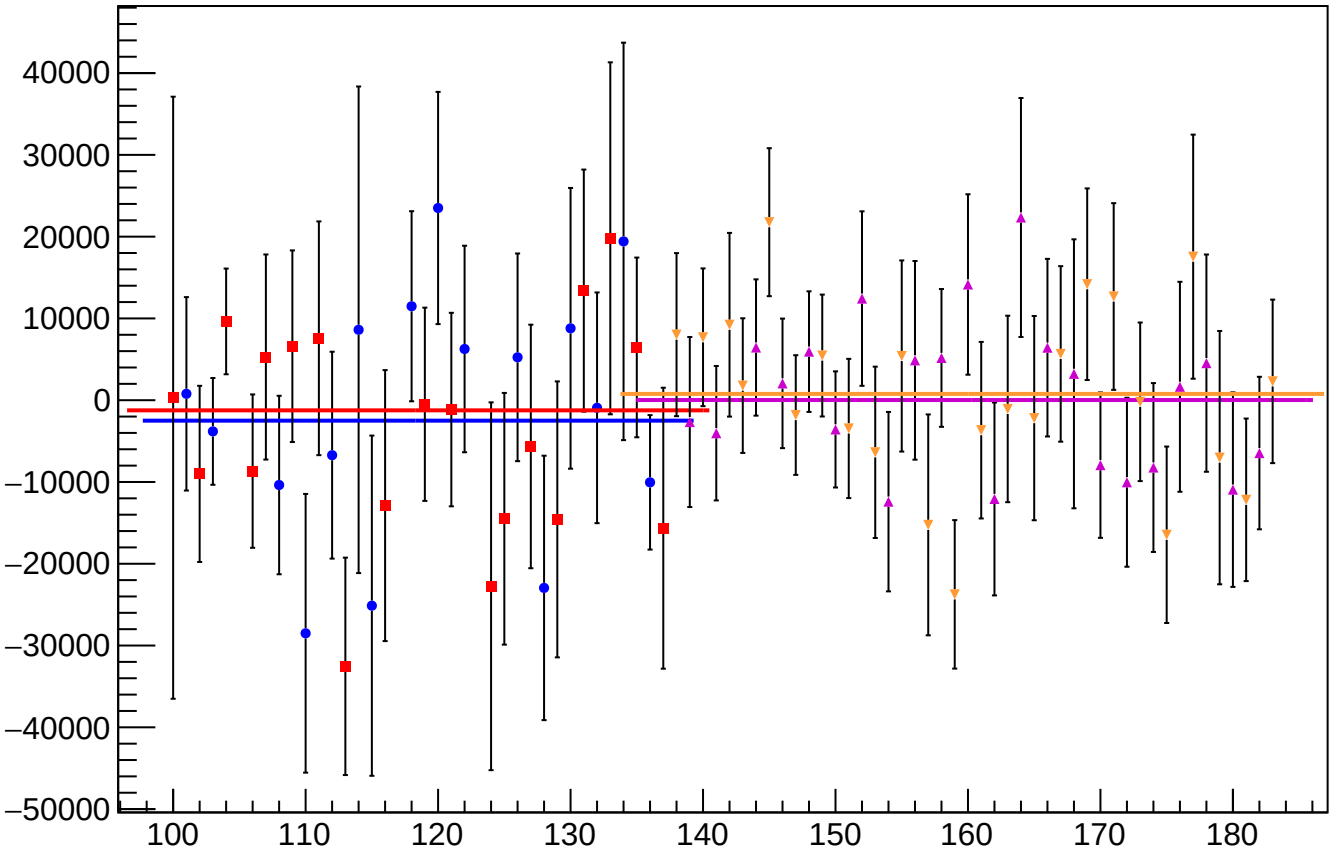
Left: 2441.813+/-0.284 χ^2/NDF: 148896.6/45

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2455.618+/-0.348 χ^2/NDF:679107.9/37

Out: 2447.690+/-0.339 χ^2/NDF:526293.5/42

All: 2451.550+/-0.243 χ^2/NDF: 1205668.3/80



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 769.282+/-2050.110 χ^2/NDF:25.9/23

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 20.288+/-2110.379 χ^2/NDF:14.3/21

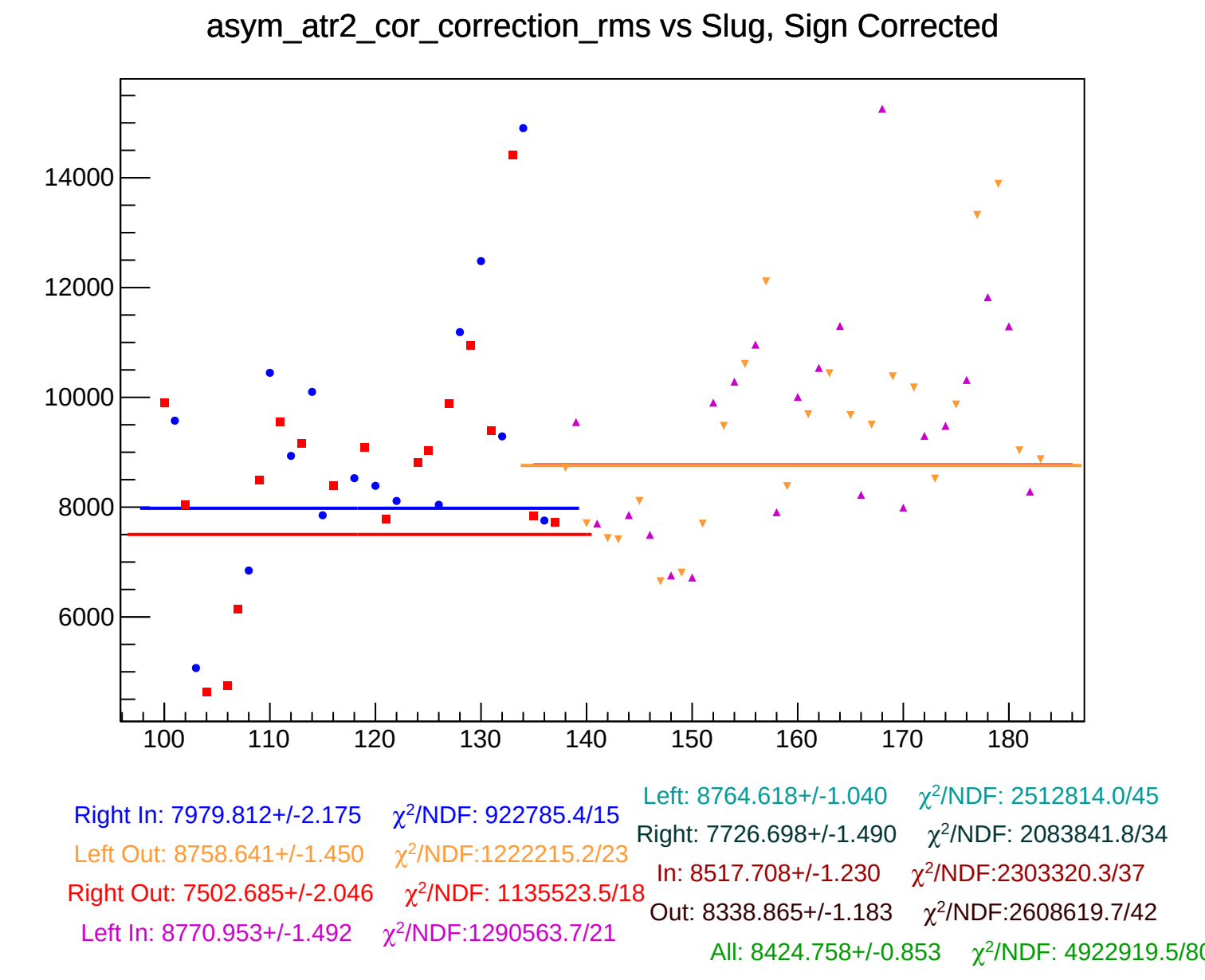
Left: 405.633+/-1470.492 χ^2/NDF: 40.3/45

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

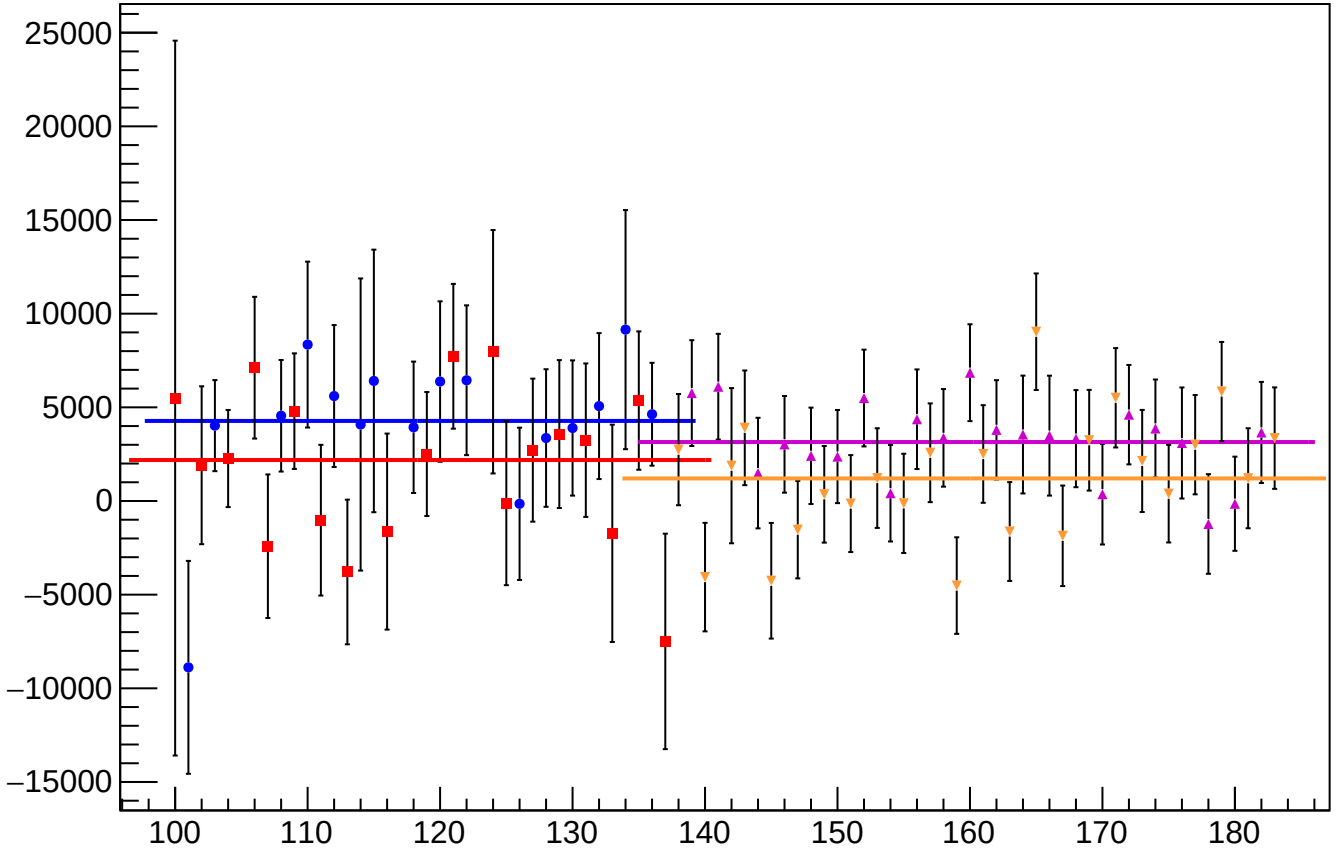
In: -786.580+/-1740.134 χ^2/NDF:28.5/37

Out: 97.757+/-1672.784 χ^2/NDF:42.9/42

All: -326.966+/-1205.944 χ^2/NDF: 71.5/80


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: 8758.641+/-1.450 χ²/NDF:1222215.2/23
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8770.953+/-1.492 χ²/NDF:1290563.7/21
Left: 8764.618+/-1.040 χ²/NDF: 2512814.0/45
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8517.708+/-1.230 χ²/NDF:2303320.3/37
Out: 8338.865+/-1.183 χ²/NDF:2608619.7/42
All: 8424.758+/-0.853 χ²/NDF: 4922919.5/80

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1204.802+/-560.269 χ^2/NDF:31.1/23

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: 2152.442+/-400.940 χ^2/NDF: 49.6/45

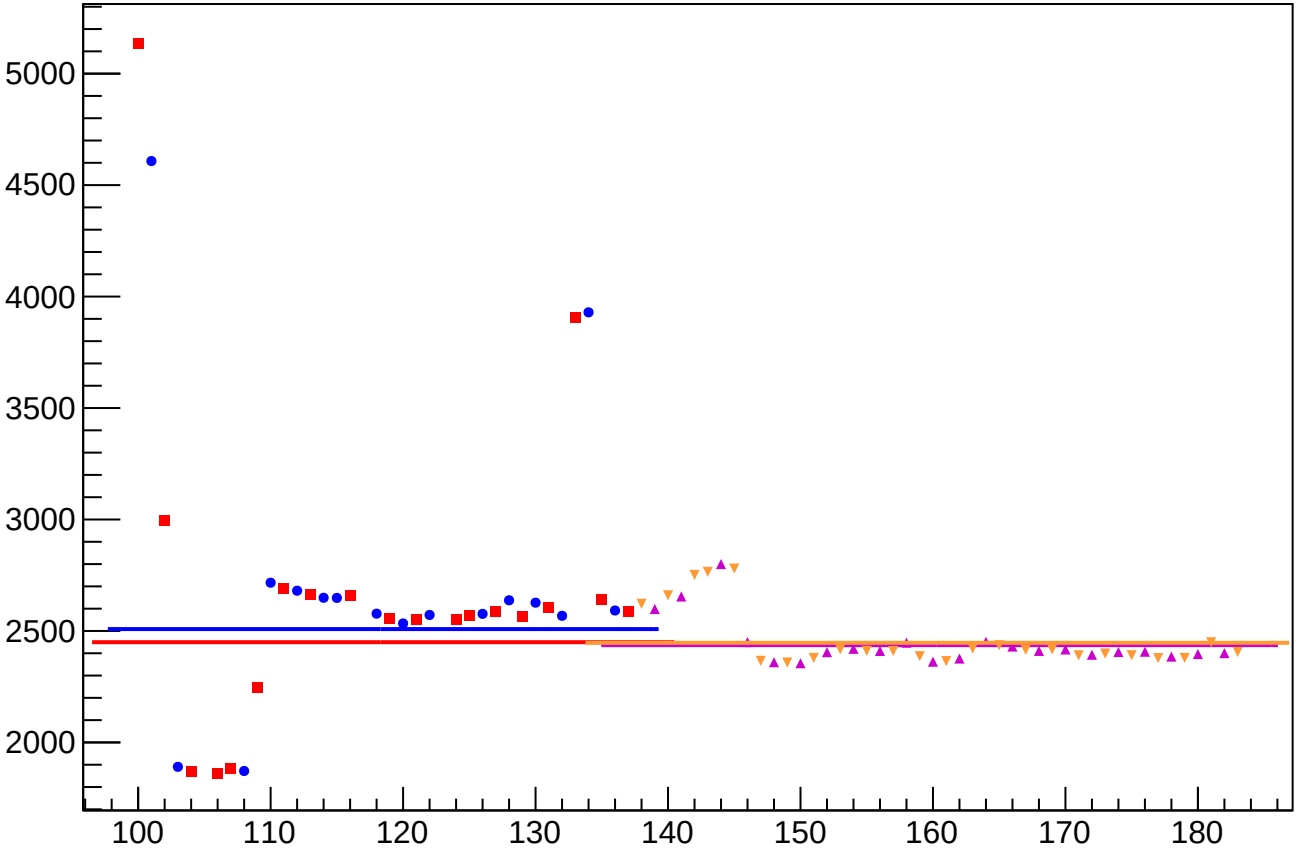
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3447.580+/-491.563 χ^2/NDF:22.6/37

Out: 1469.602+/-478.815 χ^2/NDF:46.7/42

All: 2432.610+/-342.992 χ^2/NDF: 77.6/80

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2446.968+/-0.396 χ^2/NDF:89434.6/23

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2436.403+/-0.406 χ^2/NDF:59115.0/21

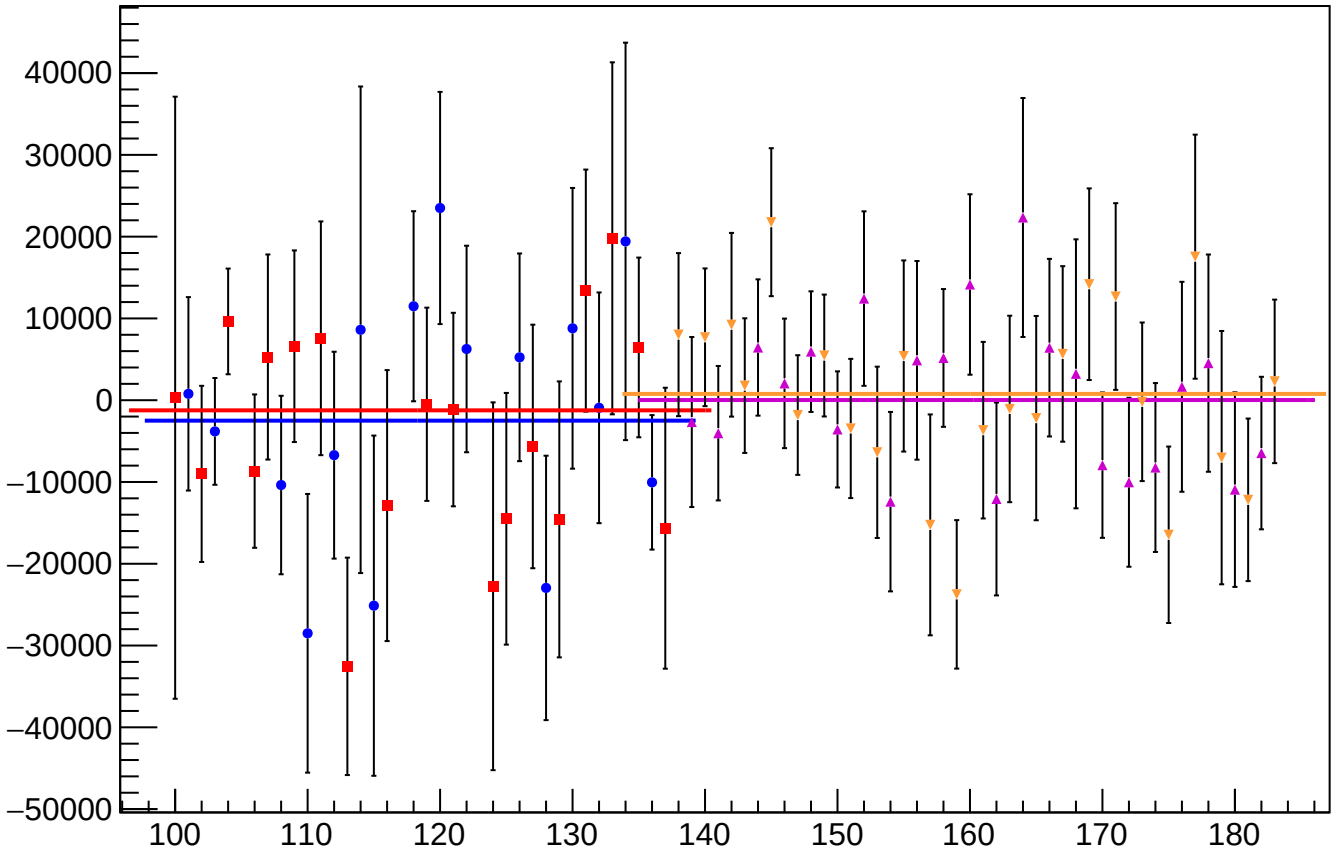
Left: 2441.813+/-0.284 χ^2/NDF: 148896.6/45

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2455.618+/-0.348 χ^2/NDF:679107.9/37

Out: 2447.690+/-0.339 χ^2/NDF:526293.5/42

All: 2451.550+/-0.243 χ^2/NDF: 1205668.3/80



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 769.282+/-2050.110 χ^2/NDF:25.9/23

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 20.288+/-2110.379 χ^2/NDF:14.3/21

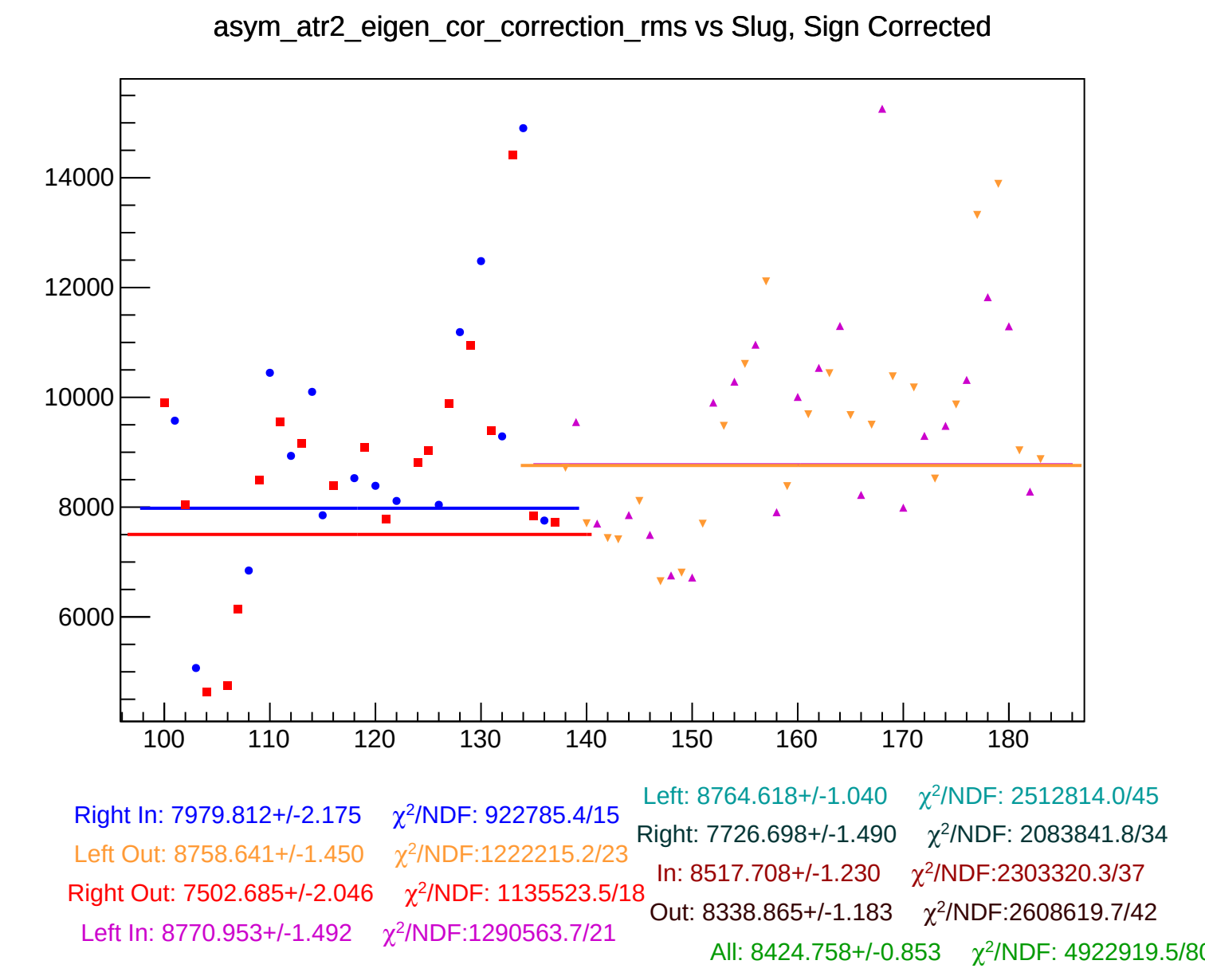
Left: 405.633+/-1470.492 χ^2/NDF: 40.3/45

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

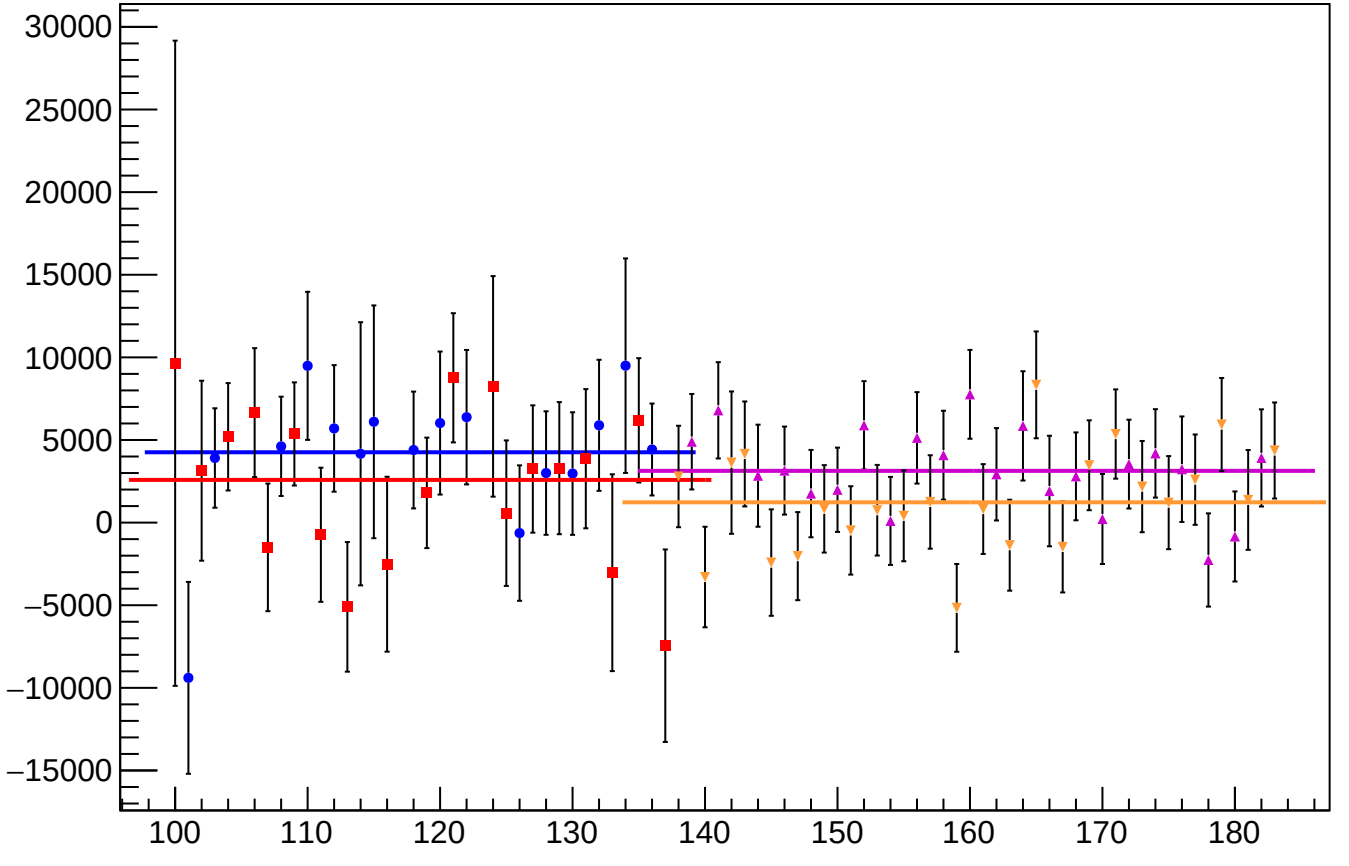
In: -786.580+/-1740.134 χ^2/NDF:28.5/37

Out: 97.757+/-1672.784 χ^2/NDF:42.9/42

All: -326.966+/-1205.944 χ^2/NDF: 71.5/80


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: 8758.641+/-1.450 χ²/NDF:1222215.2/23
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8770.953+/-1.492 χ²/NDF:1290563.7/21
Left: 8764.618+/-1.040 χ²/NDF: 2512814.0/45
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8517.708+/-1.230 χ²/NDF:2303320.3/37
Out: 8338.865+/-1.183 χ²/NDF:2608619.7/42
All: 8424.758+/-0.853 χ²/NDF: 4922919.5/80

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 1228.708+/-584.107 χ^2/NDF:26.8/23

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: 2159.604+/-417.523 χ^2/NDF: 48.4/45

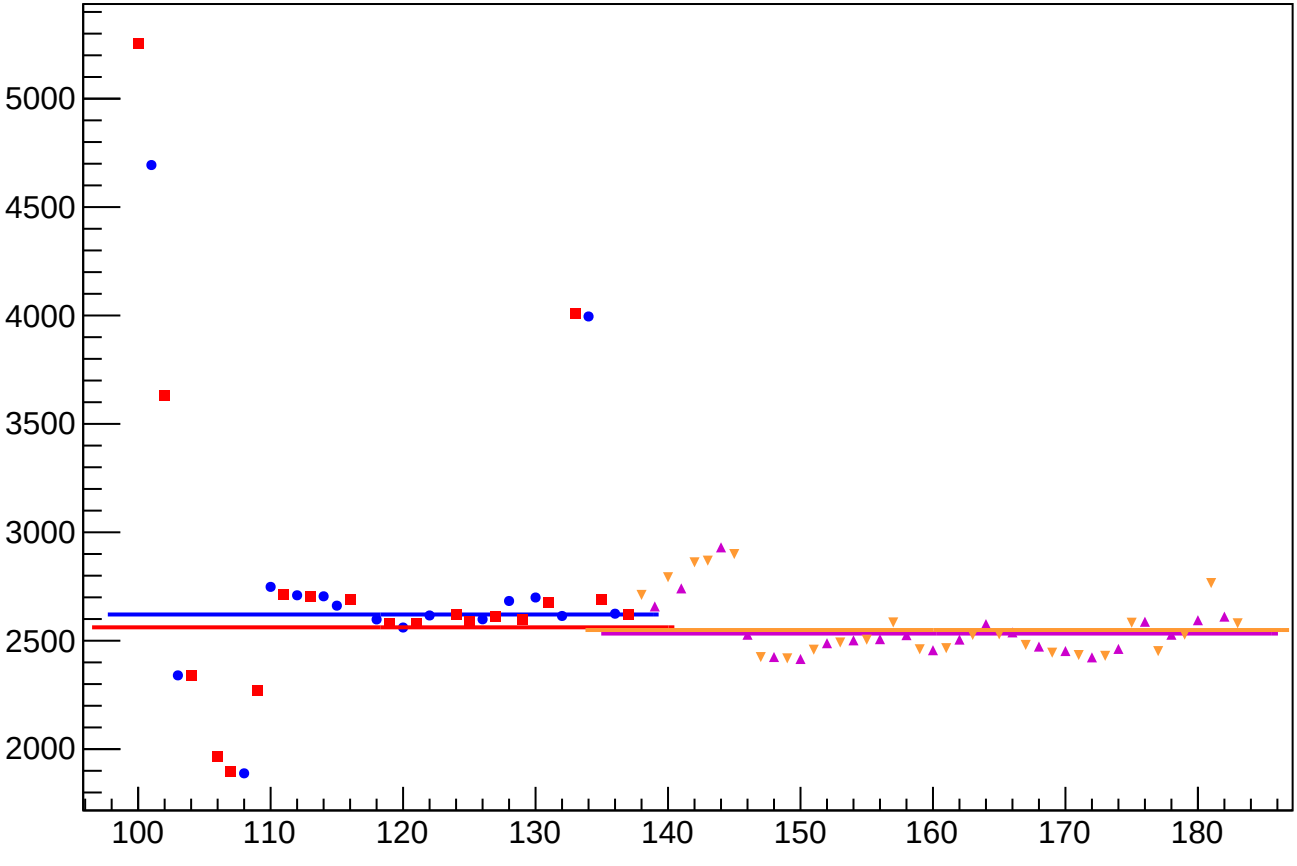
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3431.918+/-511.338 χ^2/NDF:27.4/37

Out: 1591.721+/-499.843 χ^2/NDF:45.9/42

All: 2490.902+/-357.437 χ^2/NDF: 79.9/80

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2549.308+/-0.413 χ^2/NDF:115493.1/23

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2532.980+/-0.422 χ^2/NDF:68426.3/21

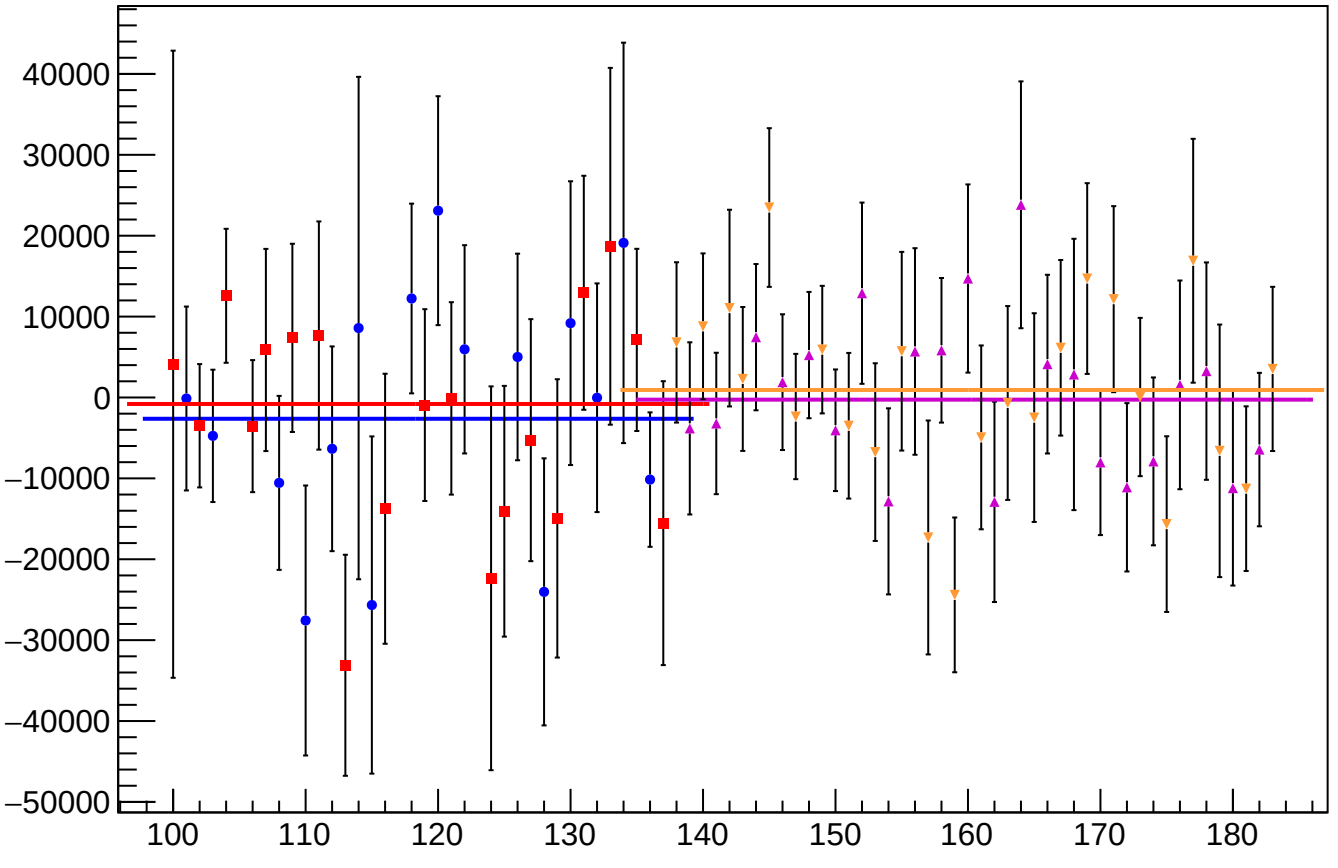
Left: 2541.323+/-0.295 χ^2/NDF: 184683.7/45

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2556.426+/-0.362 χ^2/NDF:565914.9/37

Out: 2552.633+/-0.353 χ^2/NDF:493994.5/42

All: 2554.486+/-0.253 χ^2/NDF: 1059965.6/80



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 928.644+/-2138.175 χ^2/NDF:25.3/23

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: -268.432+/-2197.830 χ^2/NDF:14.1/21

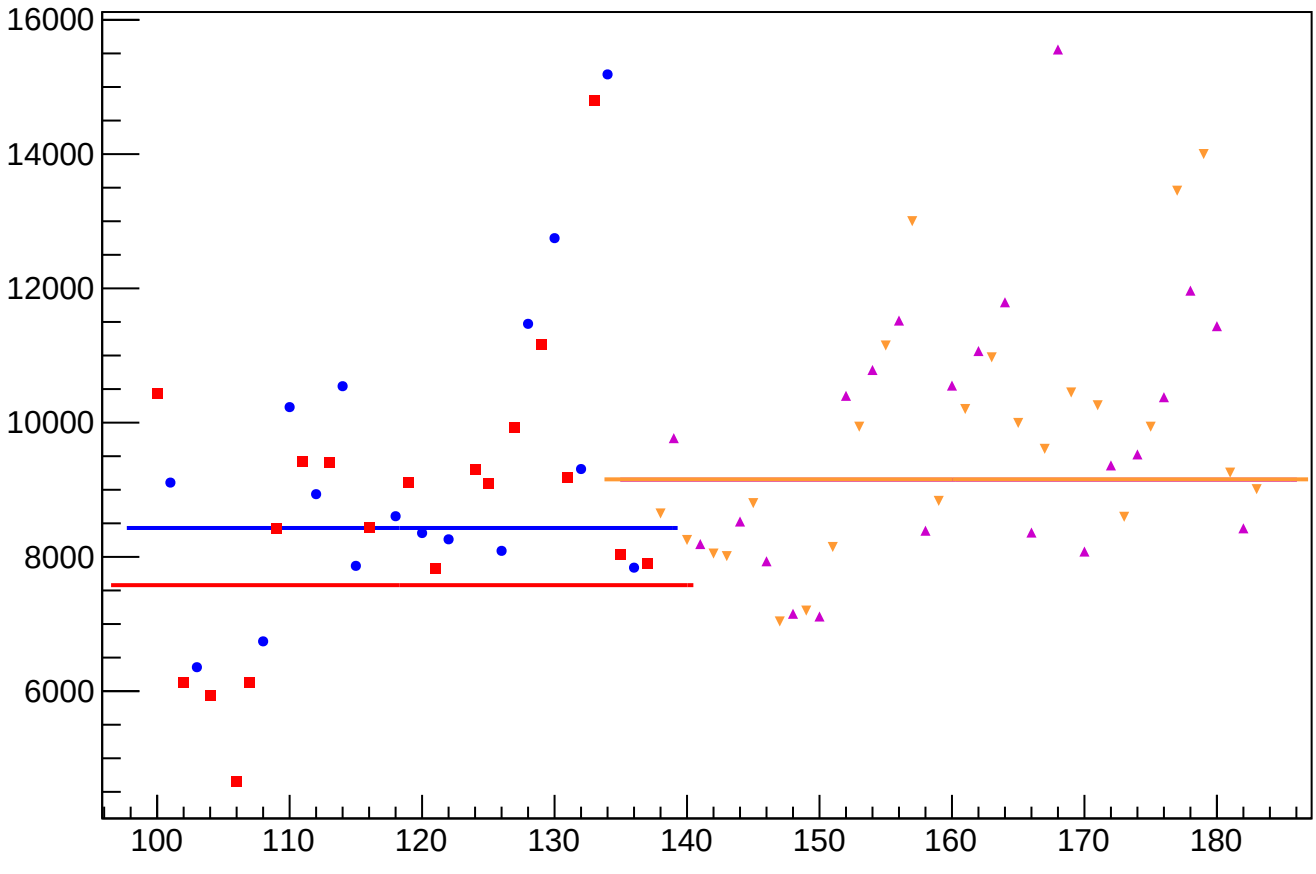
Left: 346.572+/-1532.574 χ^2/NDF: 39.6/45

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -1022.299+/-1813.758 χ^2/NDF:28.3/37

Out: 311.425+/-1715.264 χ^2/NDF:40.9/42

All: -318.242+/-1246.241 χ^2/NDF: 69.5/80



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 9155.340+/-1.512 χ^2/NDF:1072060.7/23

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: 9152.864+/-1.084 χ^2/NDF: 2241441.2/45

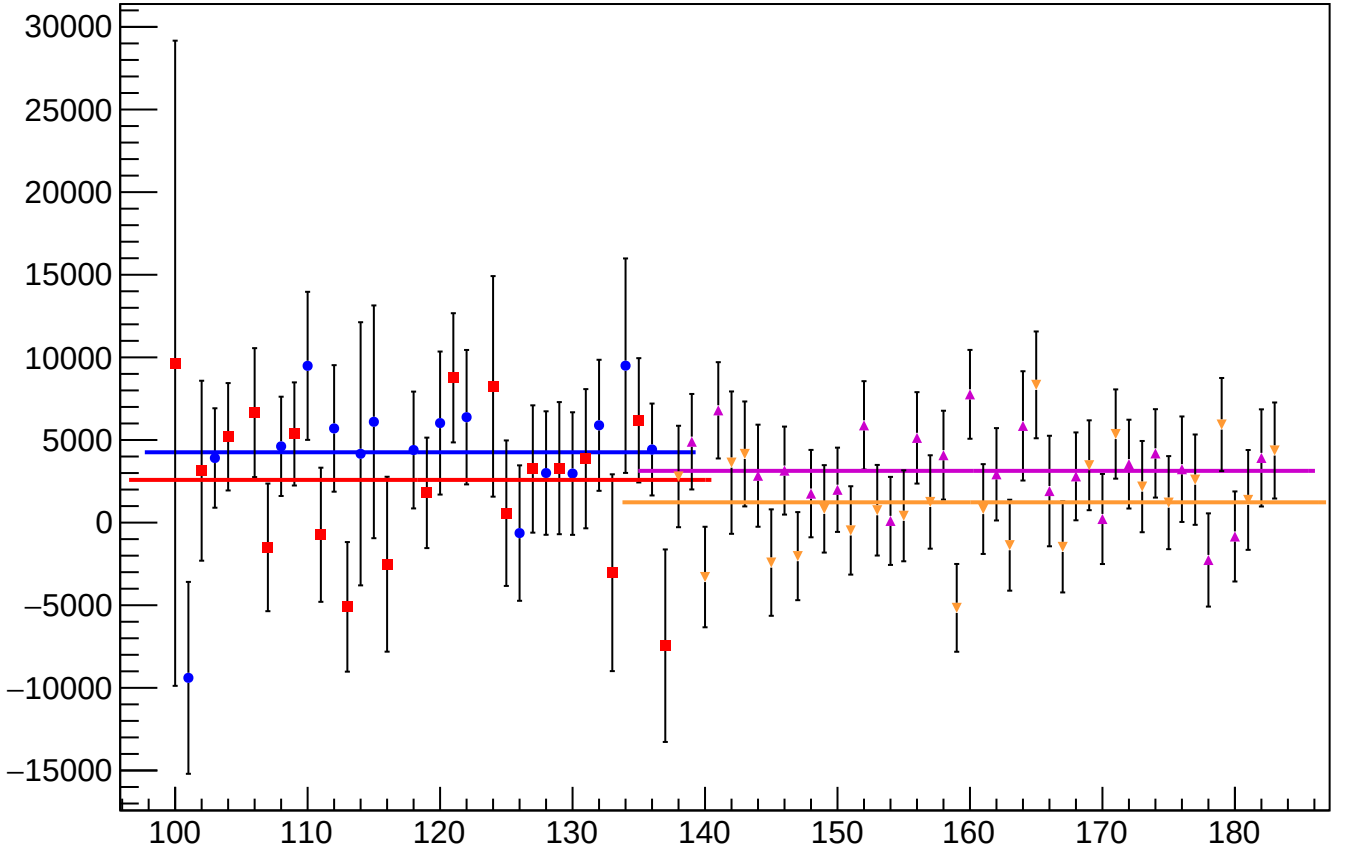
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8920.760+/-1.283 χ^2/NDF:1818032.8/37

Out: 8593.478+/-1.213 χ^2/NDF:2433616.6/42

All: 8747.992+/-0.881 χ^2/NDF: 4286025.6/80

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 1228.698+/-584.107 χ^2/NDF:26.8/23

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: 2159.598+/-417.524 χ^2/NDF: 48.4/45

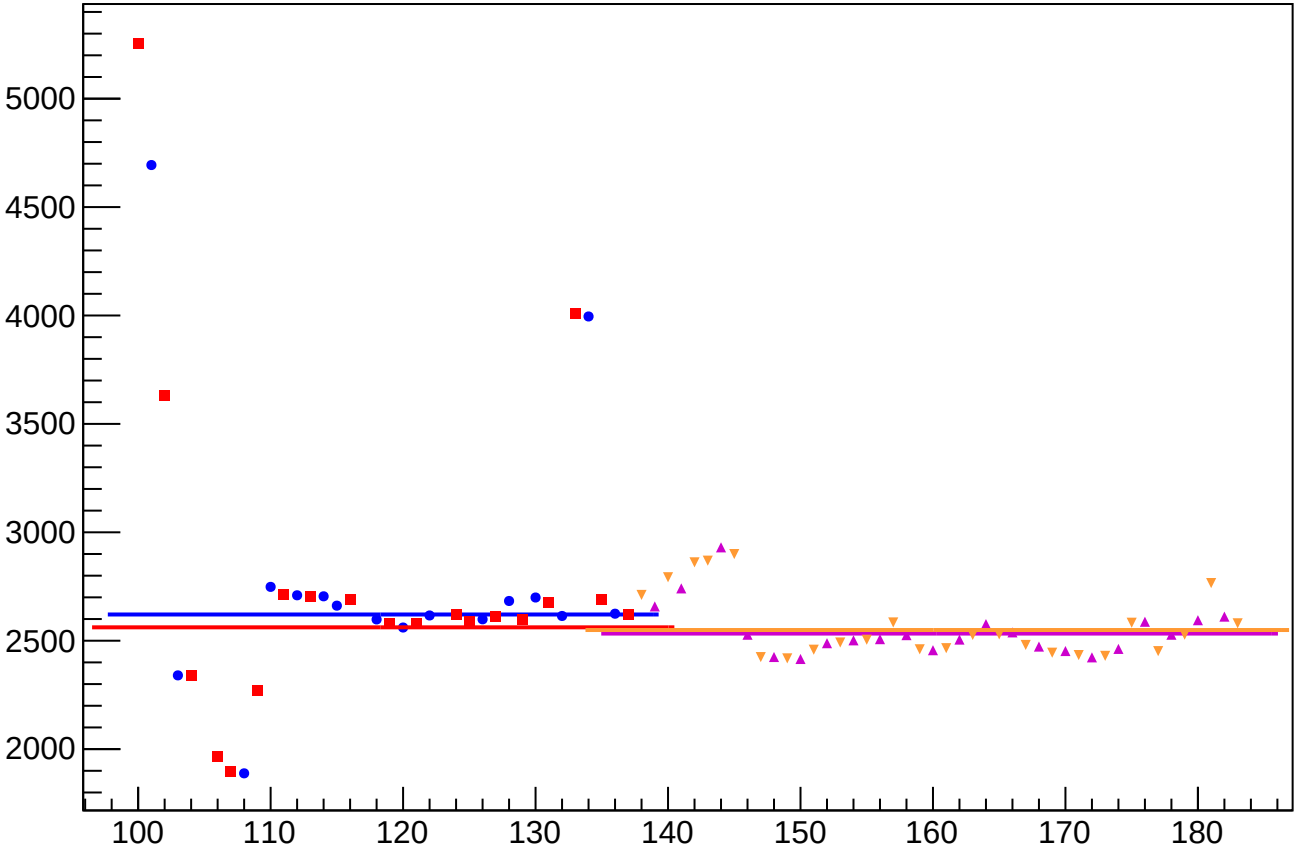
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3431.921+/-511.338 χ^2/NDF:27.4/37

Out: 1591.717+/-499.843 χ^2/NDF:45.9/42

All: 2490.901+/-357.437 χ^2/NDF: 79.9/80

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2549.309+/-0.413 χ^2/NDF:115493.0/23

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2532.982+/-0.422 χ^2/NDF:68426.0/21

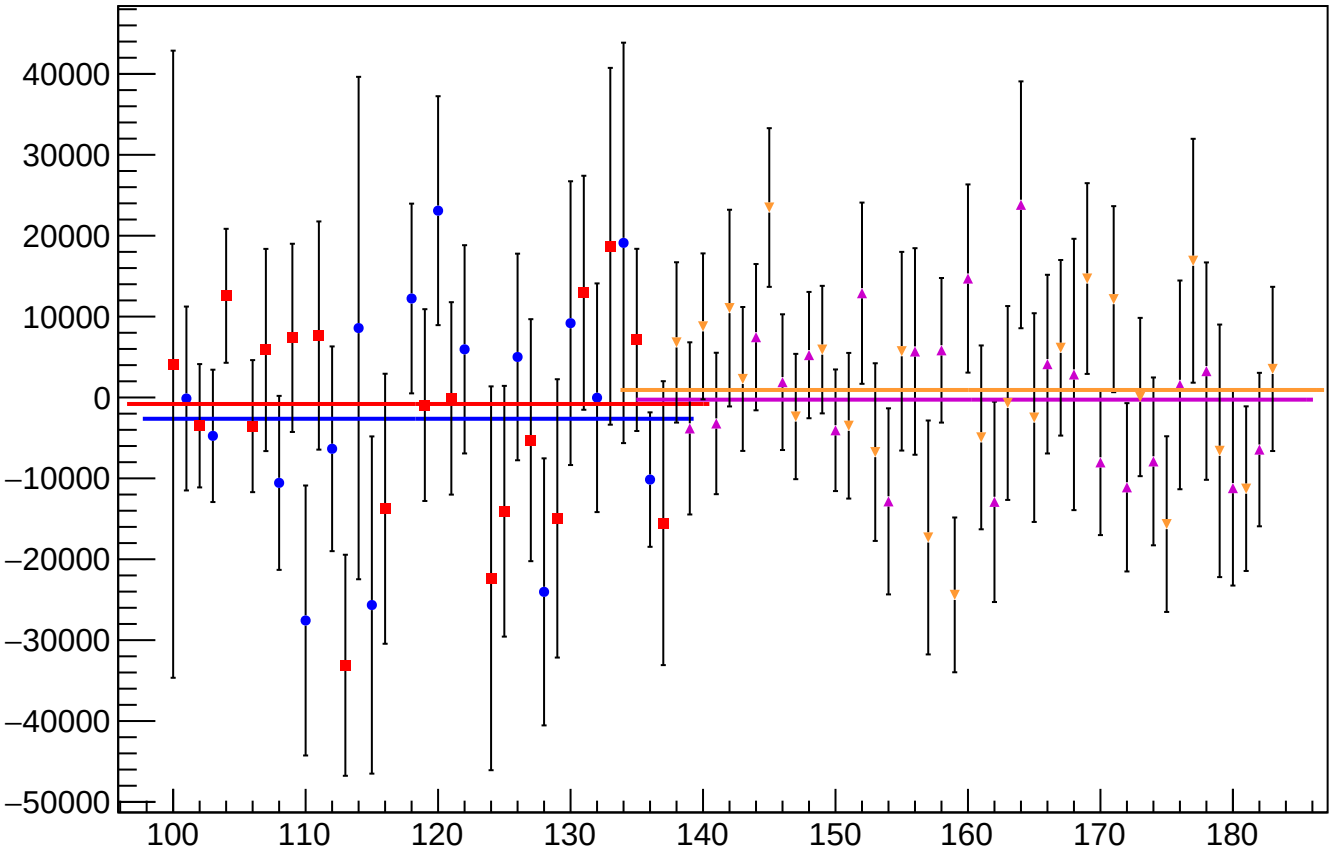
Left: 2541.324+/-0.295 χ^2/NDF: 184683.3/45

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2556.427+/-0.362 χ^2/NDF:565914.1/37

Out: 2552.634+/-0.353 χ^2/NDF:493993.8/42

All: 2554.487+/-0.253 χ^2/NDF: 1059964.2/80



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 928.640+/-2138.178 χ^2/NDF:25.3/23

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: -268.436+/-2197.834 χ^2/NDF:14.1/21

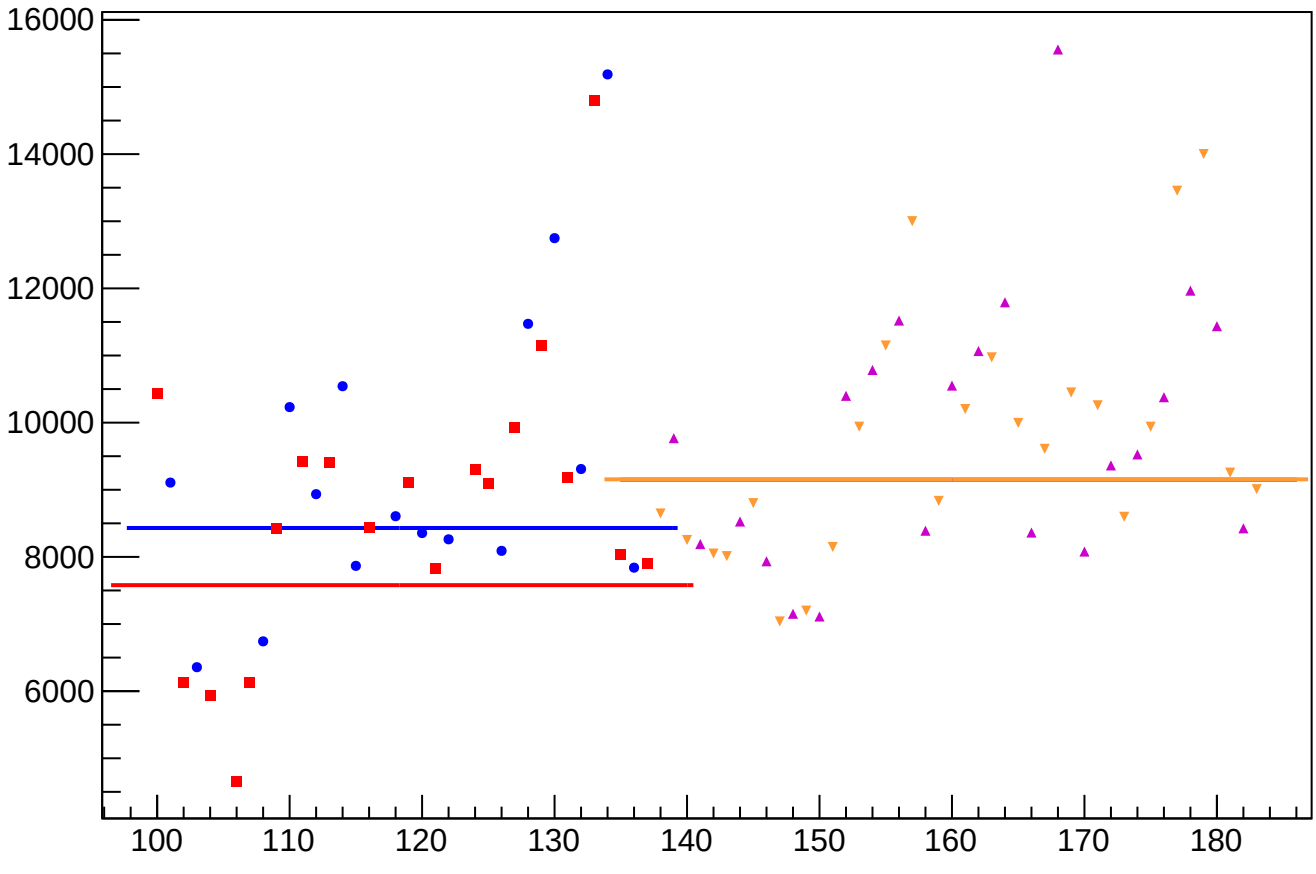
Left: 346.568+/-1532.577 χ^2/NDF: 39.6/45

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -1022.294+/-1813.759 χ^2/NDF:28.3/37

Out: 311.421+/-1715.265 χ^2/NDF:40.9/42

All: -318.242+/-1246.241 χ^2/NDF: 69.5/80



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 9155.354+/-1.512 χ^2/NDF:1072062.7/23

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: 9152.878+/-1.084 χ^2/NDF: 2241447.1/45

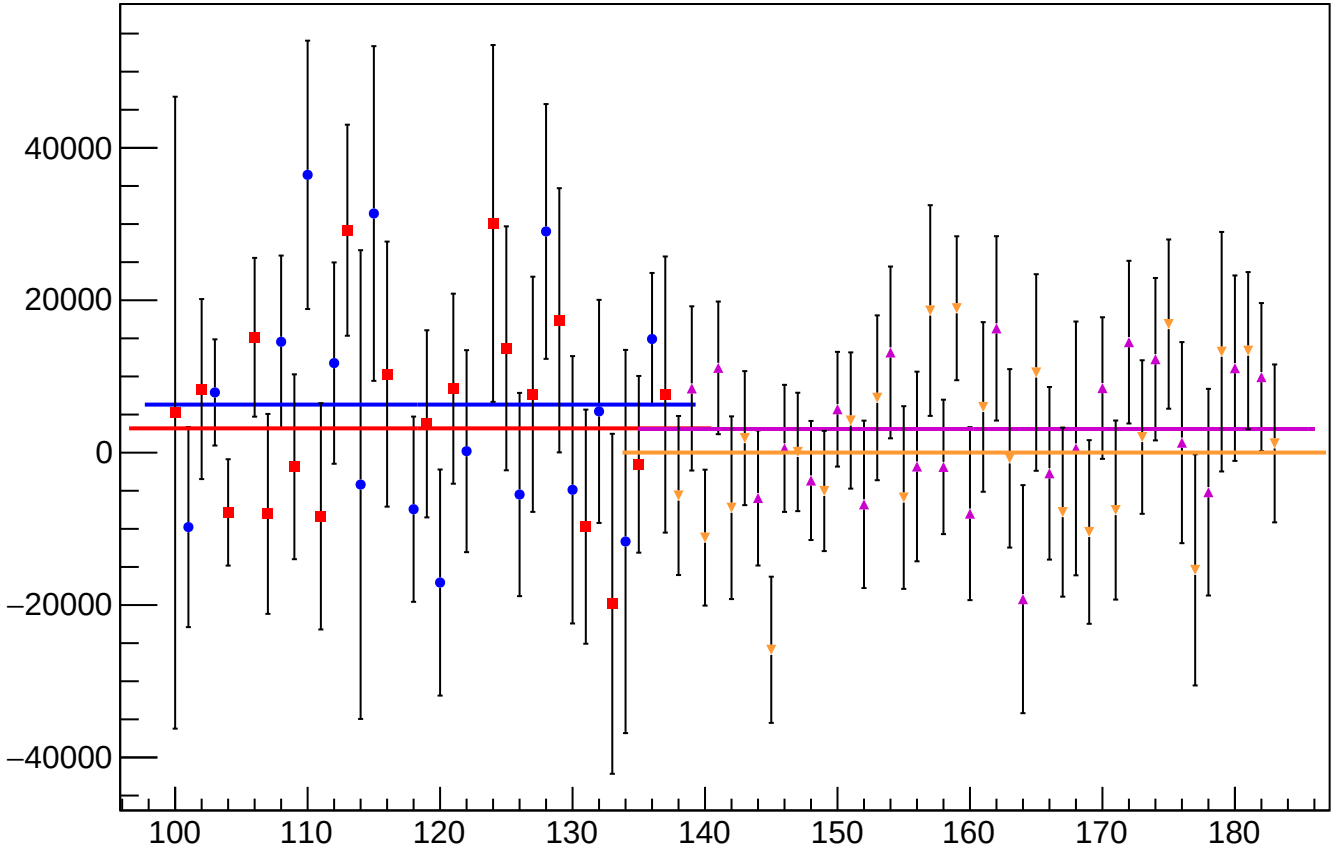
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8920.765+/-1.283 χ^2/NDF:1818035.6/37

Out: 8593.481+/-1.213 χ^2/NDF:2433628.1/42

All: 8747.996+/-0.881 χ^2/NDF: 4286040.3/80

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: 13.506+/-2140.388 χ^2/NDF:25.1/23

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: 1516.895+/-1534.203 χ^2/NDF: 39.5/45

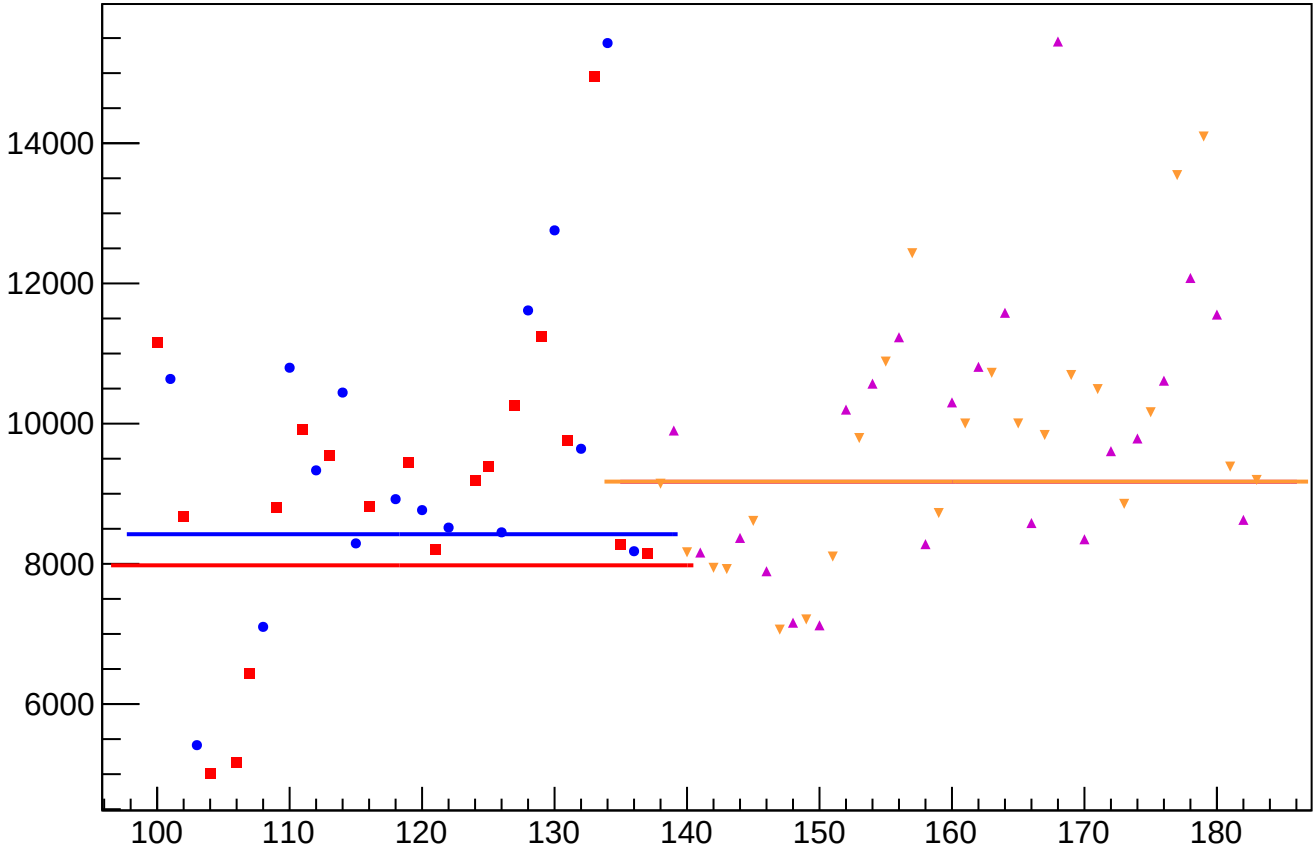
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 4116.077+/-1820.151 χ^2/NDF:29.1/37

Out: 1052.909+/-1755.531 χ^2/NDF:39.7/42

All: 2529.153+/-1263.575 χ^2/NDF: 70.3/80

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 9173.198+/-1.513 χ^2/NDF:1056942.5/23

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 9170.142+/-1.556 χ^2/NDF:1126147.6/21

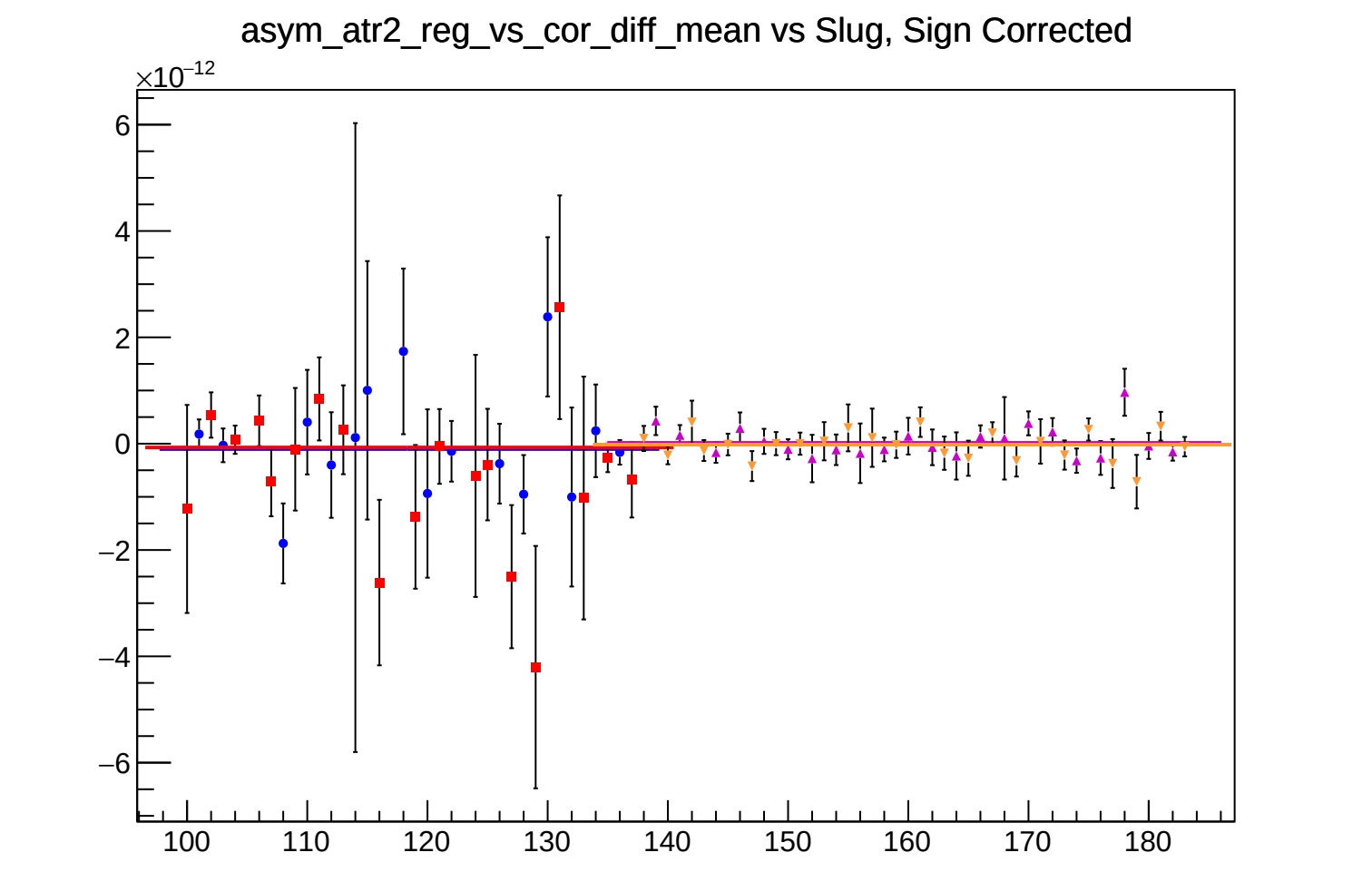
Left: 9171.712+/-1.085 χ^2/NDF: 2183092.1/45

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8934.218+/-1.287 χ^2/NDF:2080832.1/37

Out: 8782.346+/-1.241 χ^2/NDF:2276728.9/42

All: 8855.538+/-0.893 χ^2/NDF: 4364774.7/80



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

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:18.9/21

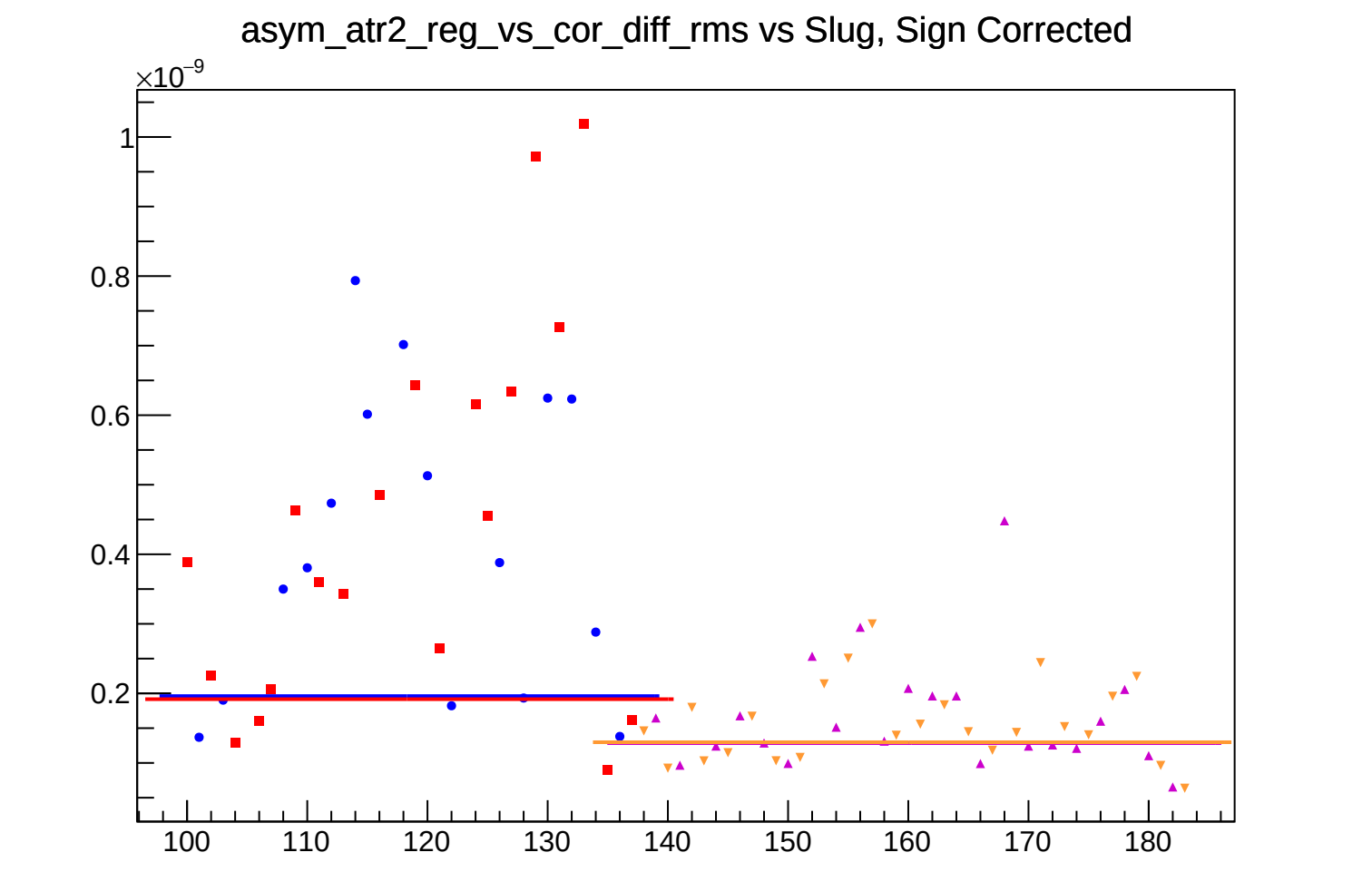
Left: -0.000+/-0.000 χ^2/NDF: 36.8/45

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:37.4/42

All: -0.000+/-0.000 χ^2/NDF: 70.7/80



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1389754.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1513489.9/21

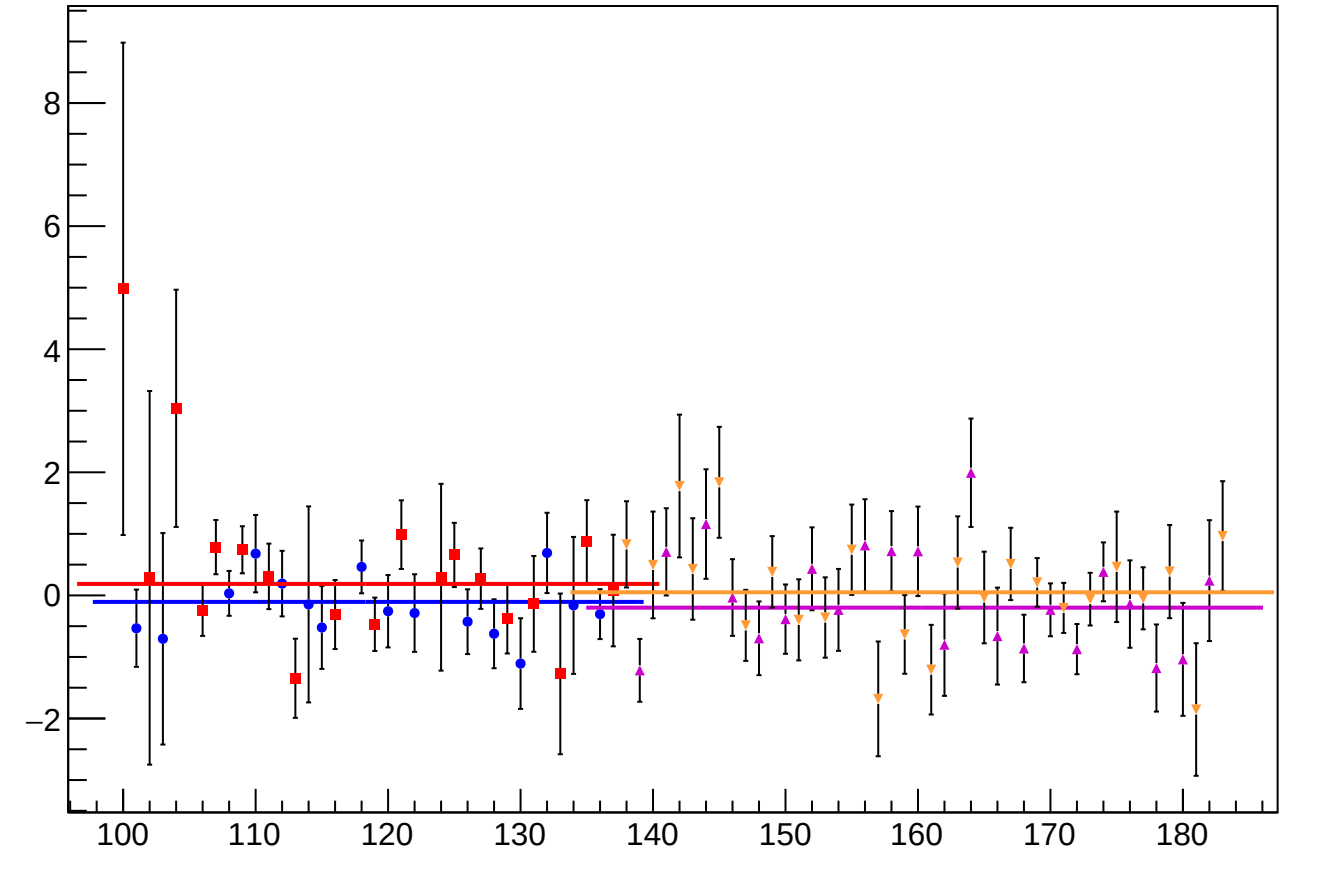
Left: 0.000+/-0.000 χ^2/NDF: 2903828.2/45

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:3801685.5/42

All: 0.000+/-0.000 χ^2/NDF: 7092069.8/80



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.050+/-0.131 χ^2/NDF:24.7/23

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: -0.072+/-0.094 χ^2/NDF: 57.3/45

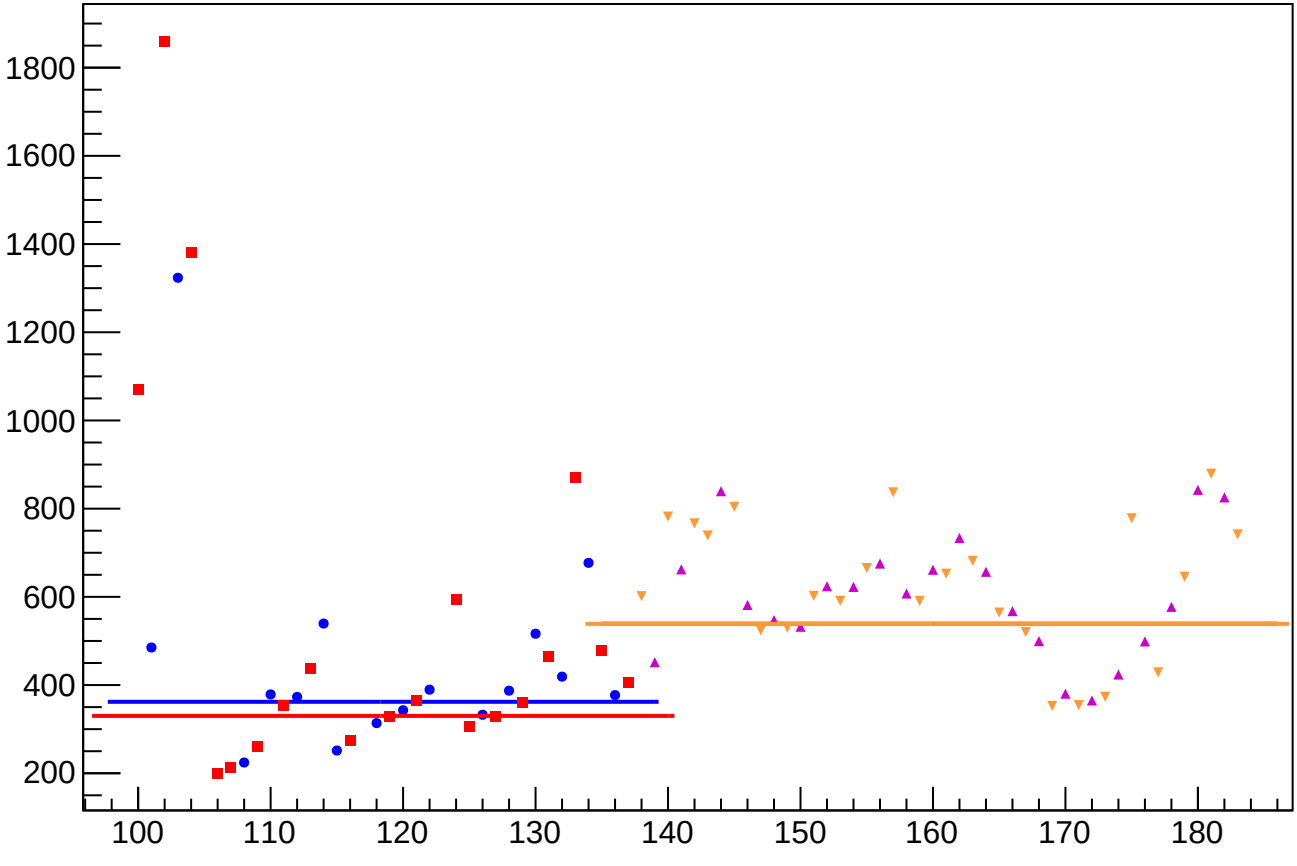
Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.156+/-0.098 χ^2/NDF:40.7/37

Out: 0.115+/-0.095 χ^2/NDF:49.0/42

All: -0.015+/-0.068 χ^2/NDF: 93.7/80

asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 538.751+/-0.093 χ^2/NDF:2711745.4/23

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: 538.968+/-0.066 χ^2/NDF: 4590082.6/45

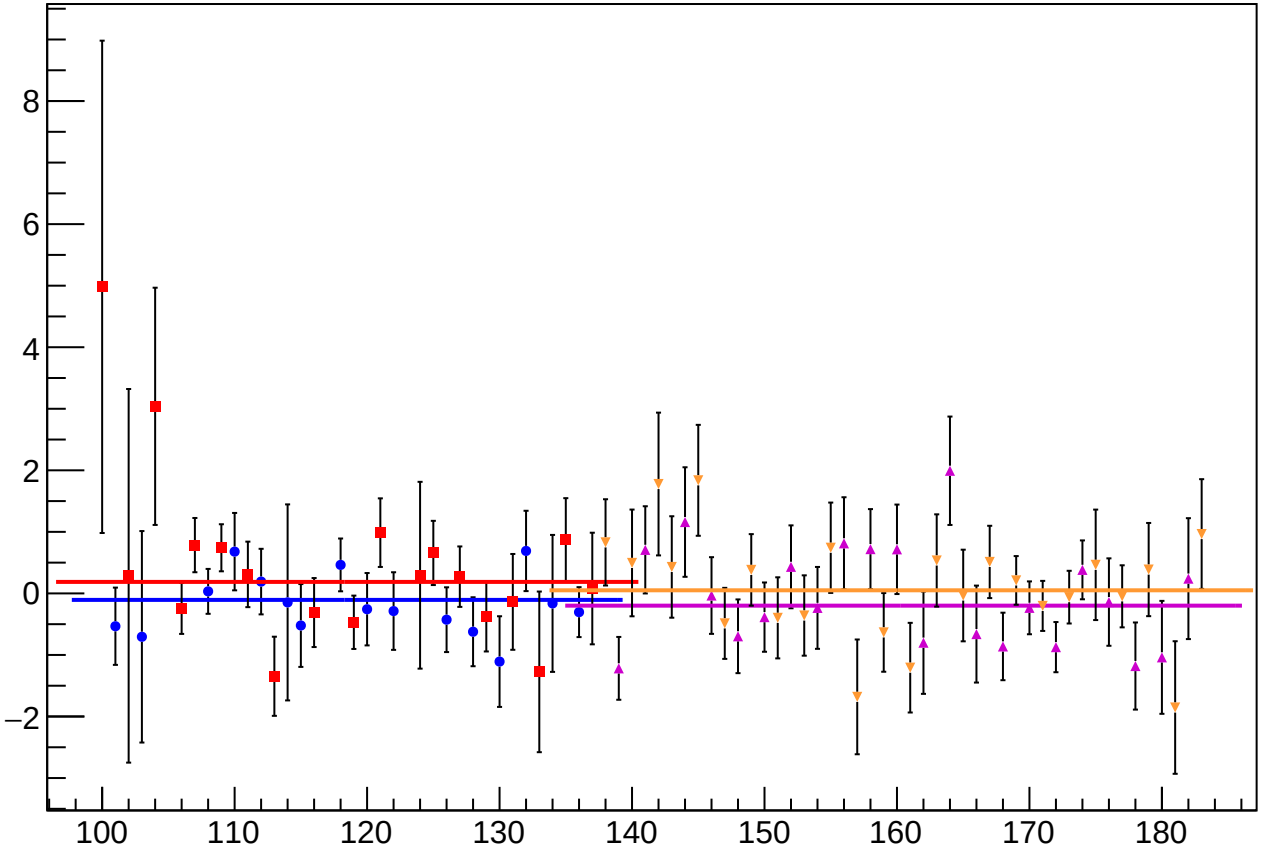
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 457.488+/-0.069 χ^2/NDF:4871207.9/37

Out: 439.325+/-0.067 χ^2/NDF:7372734.7/42

All: 448.086+/-0.048 χ^2/NDF: 12279315.3/80

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: 0.050+/-0.131 χ^2/NDF:24.7/23

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.199+/-0.134 χ^2/NDF:30.8/21

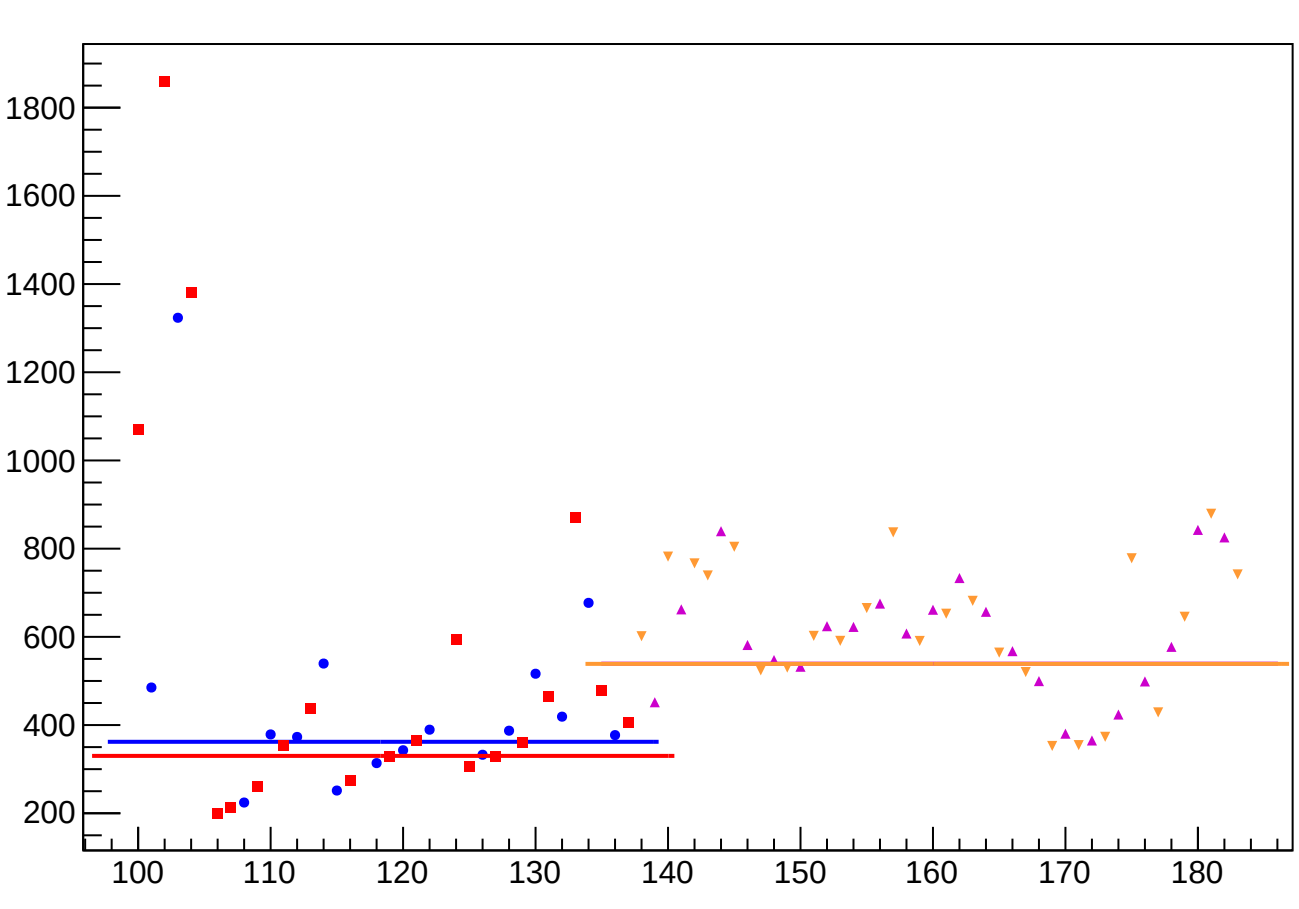
Left: -0.072+/-0.094 χ^2/NDF: 57.3/45

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.156+/-0.098 χ^2/NDF:40.7/37

Out: 0.115+/-0.095 χ^2/NDF:49.0/42

All: -0.015+/-0.068 χ^2/NDF: 93.7/80



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 538.751+/-0.093 χ^2/NDF:2711745.4/23

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 539.193+/-0.095 χ^2/NDF:1878326.0/21

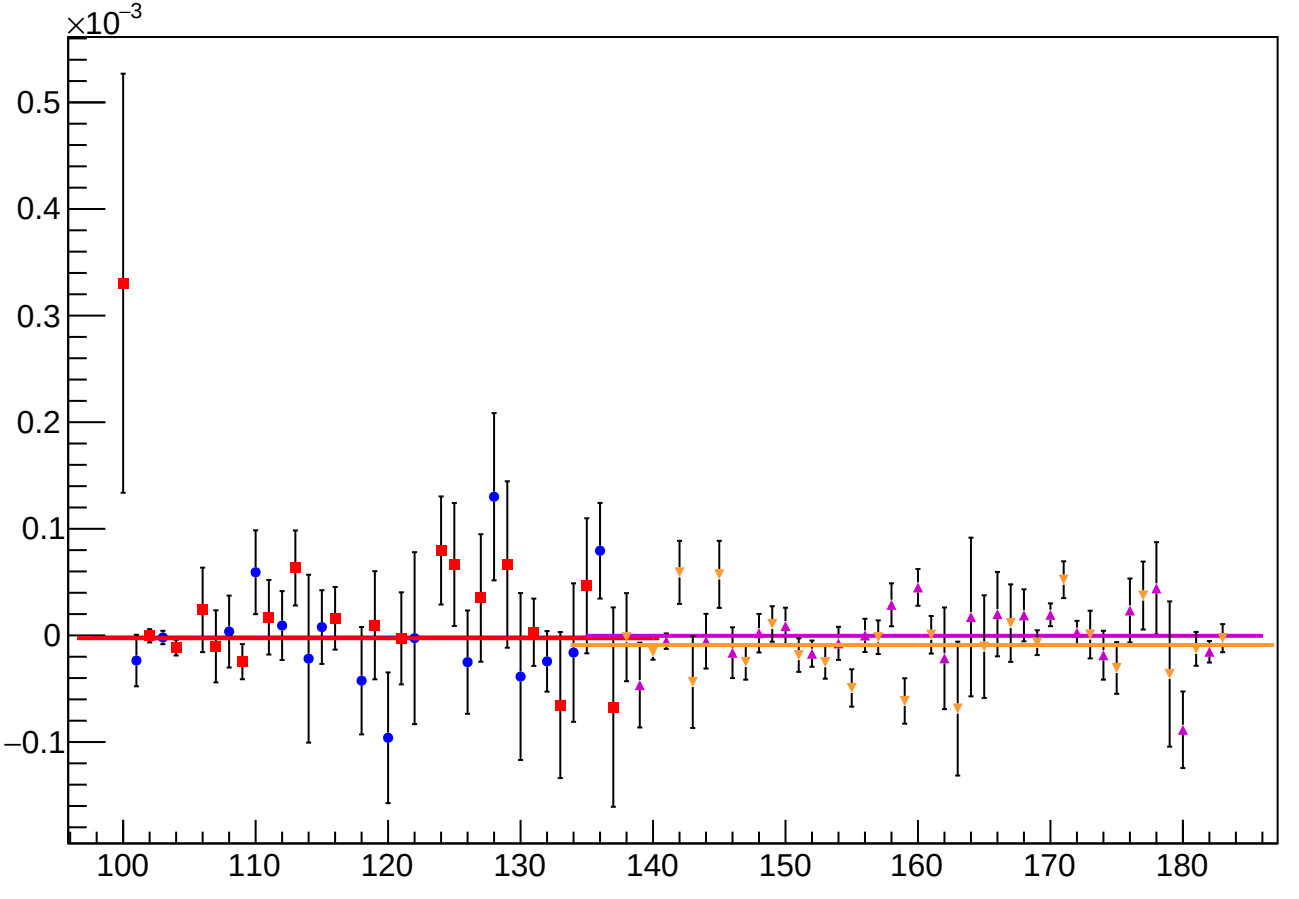
Left: 538.968+/-0.066 χ^2/NDF: 4590082.6/45

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 457.488+/-0.069 χ^2/NDF:4871207.9/37

Out: 439.325+/-0.067 χ^2/NDF:7372734.7/42

All: 448.086+/-0.048 χ^2/NDF: 12279315.3/80



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

Left Out: -0.000+/-0.000 χ^2/NDF:44.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:28.8/21

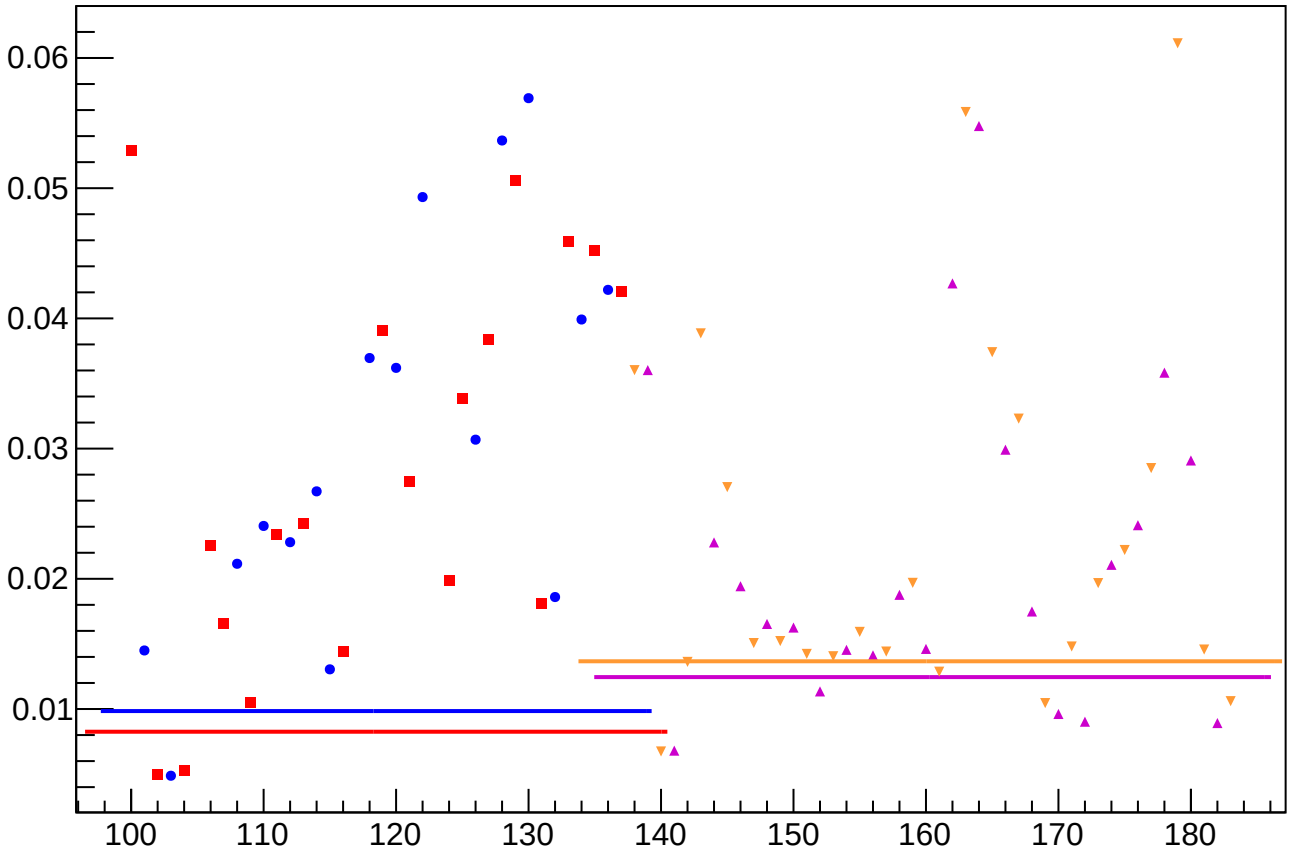
Left: -0.000+/-0.000 χ^2/NDF: 76.0/45

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:63.7/42

All: -0.000+/-0.000 χ^2/NDF: 108.2/80



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.014+/-0.000 χ^2/NDF:7629373.4/23

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: 14764402.2/45

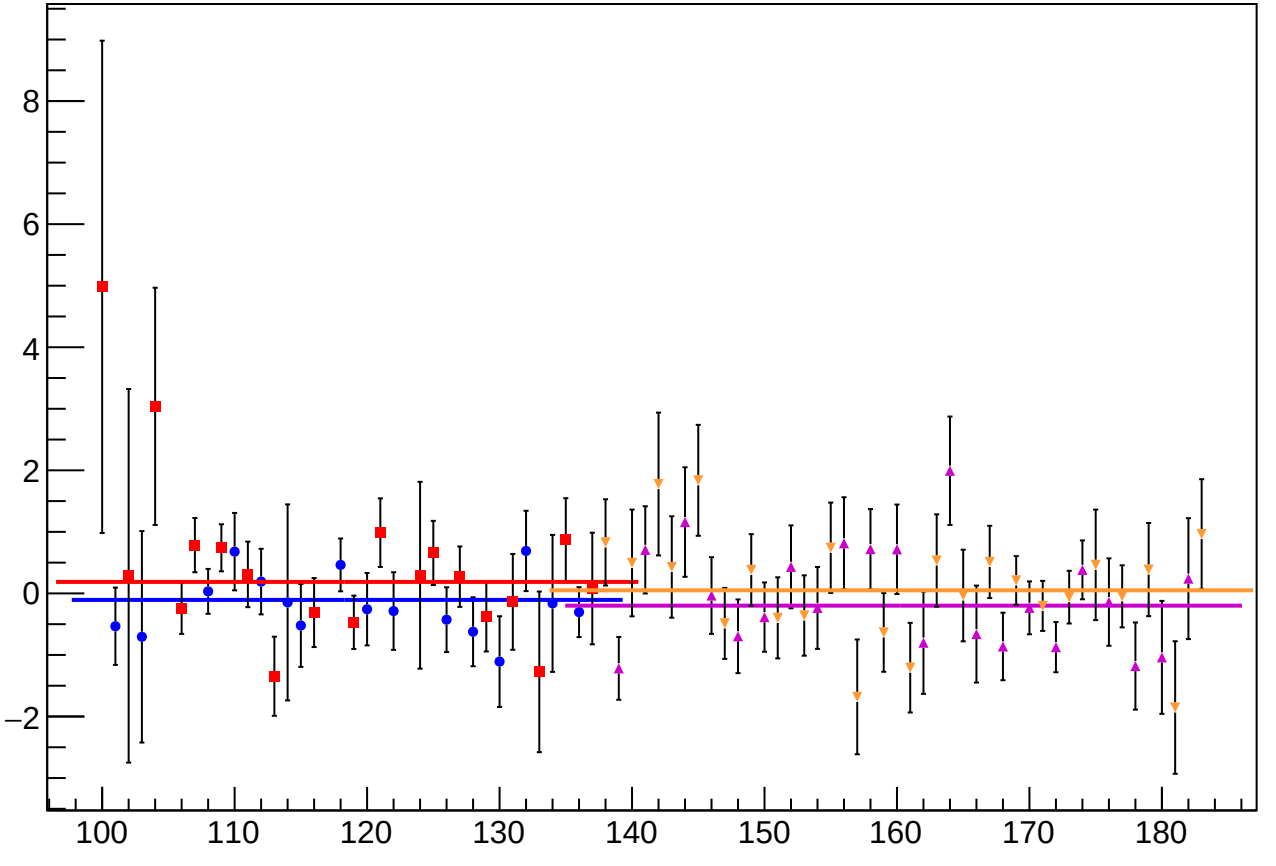
Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:14399833.6/37

Out: 0.011+/-0.000 χ^2/NDF:16264727.6/42

All: 0.012+/-0.000 χ^2/NDF: 30676835.1/80

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: 0.050+/-0.131 χ^2/NDF:24.7/23

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.199+/-0.134 χ^2/NDF:30.8/21

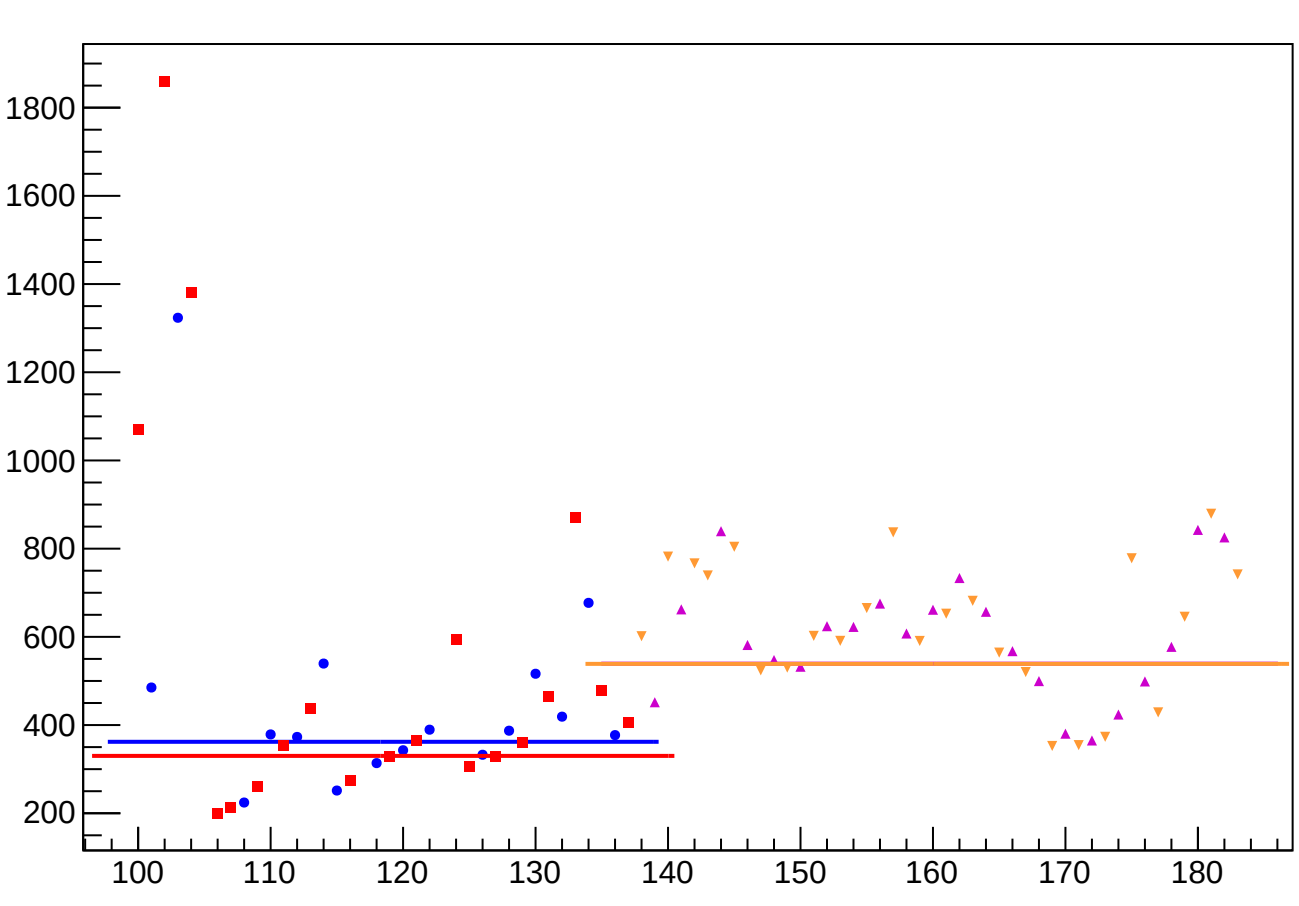
Left: -0.072+/-0.094 χ^2/NDF: 57.3/45

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.156+/-0.098 χ^2/NDF:40.7/37

Out: 0.115+/-0.095 χ^2/NDF:49.0/42

All: -0.015+/-0.068 χ^2/NDF: 93.7/80



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 538.756+/-0.093 χ^2/NDF:2711832.4/23

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: 538.972+/-0.066 χ^2/NDF: 4590209.6/45

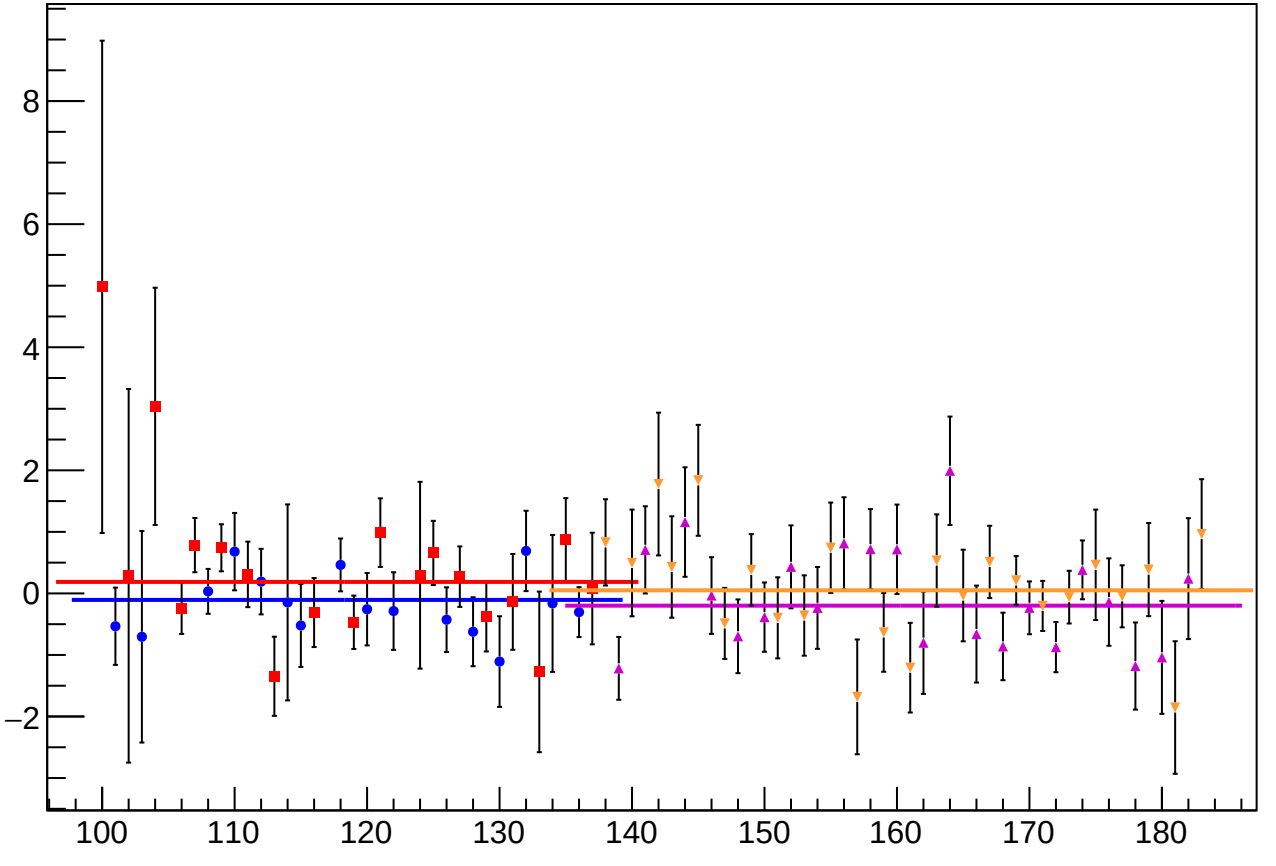
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 457.488+/-0.069 χ^2/NDF:4871390.5/37

Out: 439.326+/-0.067 χ^2/NDF:7372933.7/42

All: 448.087+/-0.048 χ^2/NDF: 12279695.8/80

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: 0.050+/-0.131 χ^2/NDF:24.7/23

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: -0.072+/-0.094 χ^2/NDF: 57.3/45

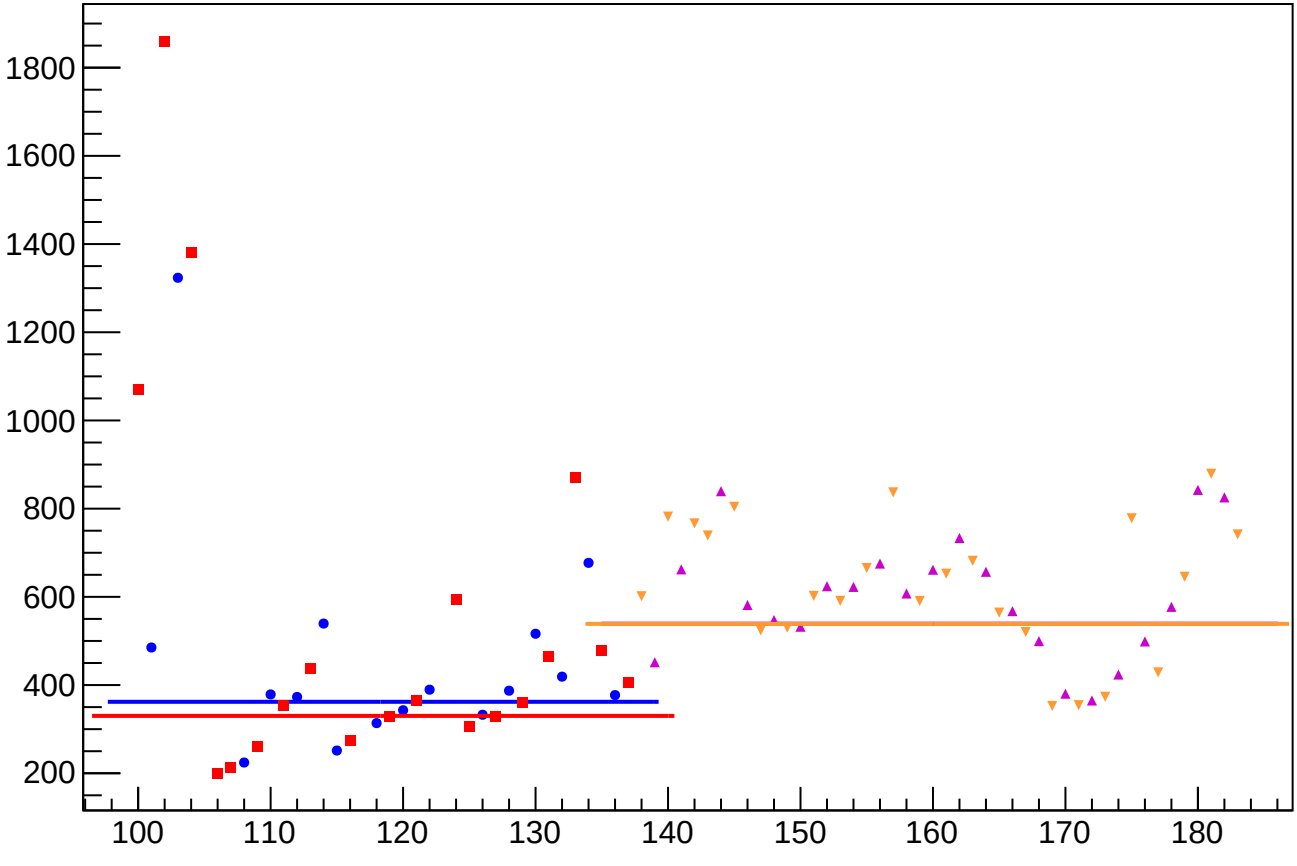
Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.156+/-0.098 χ^2/NDF:40.7/37

Out: 0.115+/-0.095 χ^2/NDF:49.0/42

All: -0.015+/-0.068 χ^2/NDF: 93.7/80

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 538.756+/-0.093 χ^2/NDF:2711832.4/23

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 539.199+/-0.095 χ^2/NDF:1878366.0/21

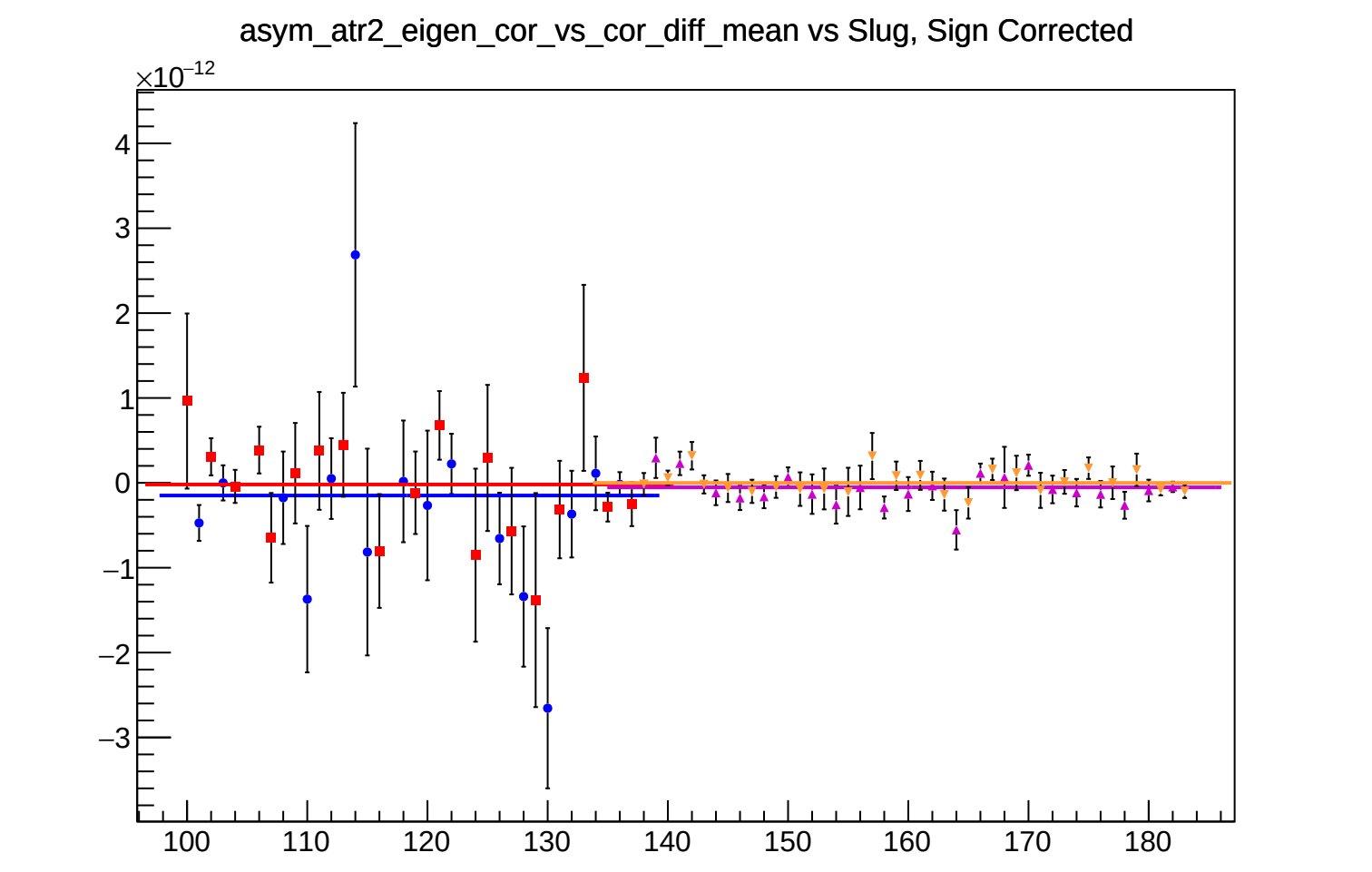
Left: 538.972+/-0.066 χ^2/NDF: 4590209.6/45

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 457.488+/-0.069 χ^2/NDF:4871390.5/37

Out: 439.326+/-0.067 χ^2/NDF:7372933.7/42

All: 448.087+/-0.048 χ^2/NDF: 12279695.8/80



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

Left Out: -0.000+/-0.000 χ^2/NDF:16.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:27.1/21

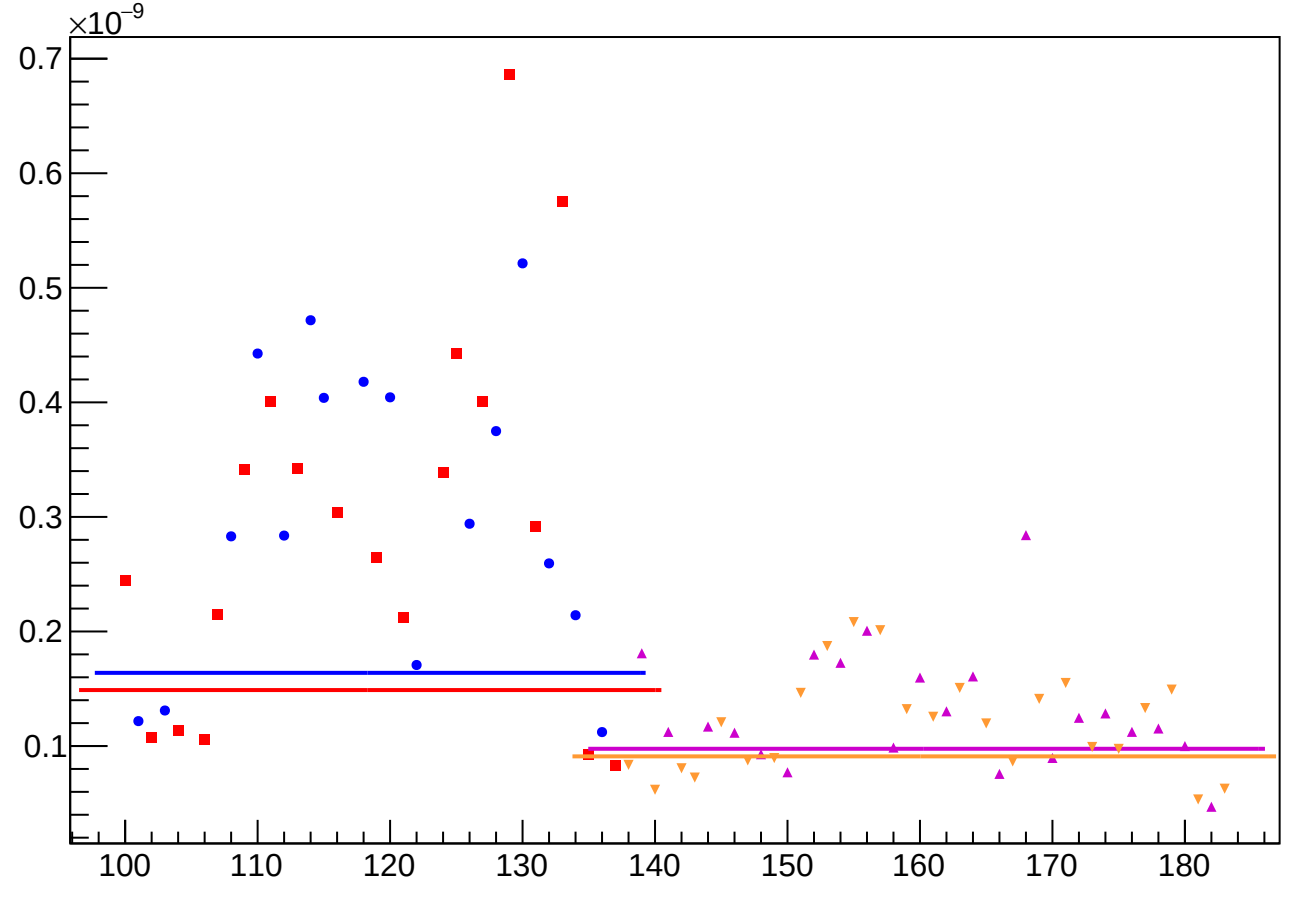
Left: -0.000+/-0.000 χ^2/NDF: 45.6/45

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:49.5/37

Out: -0.000+/-0.000 χ^2/NDF:36.3/42

All: -0.000+/-0.000 χ^2/NDF: 88.3/80



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:3367722.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3754636.5/21

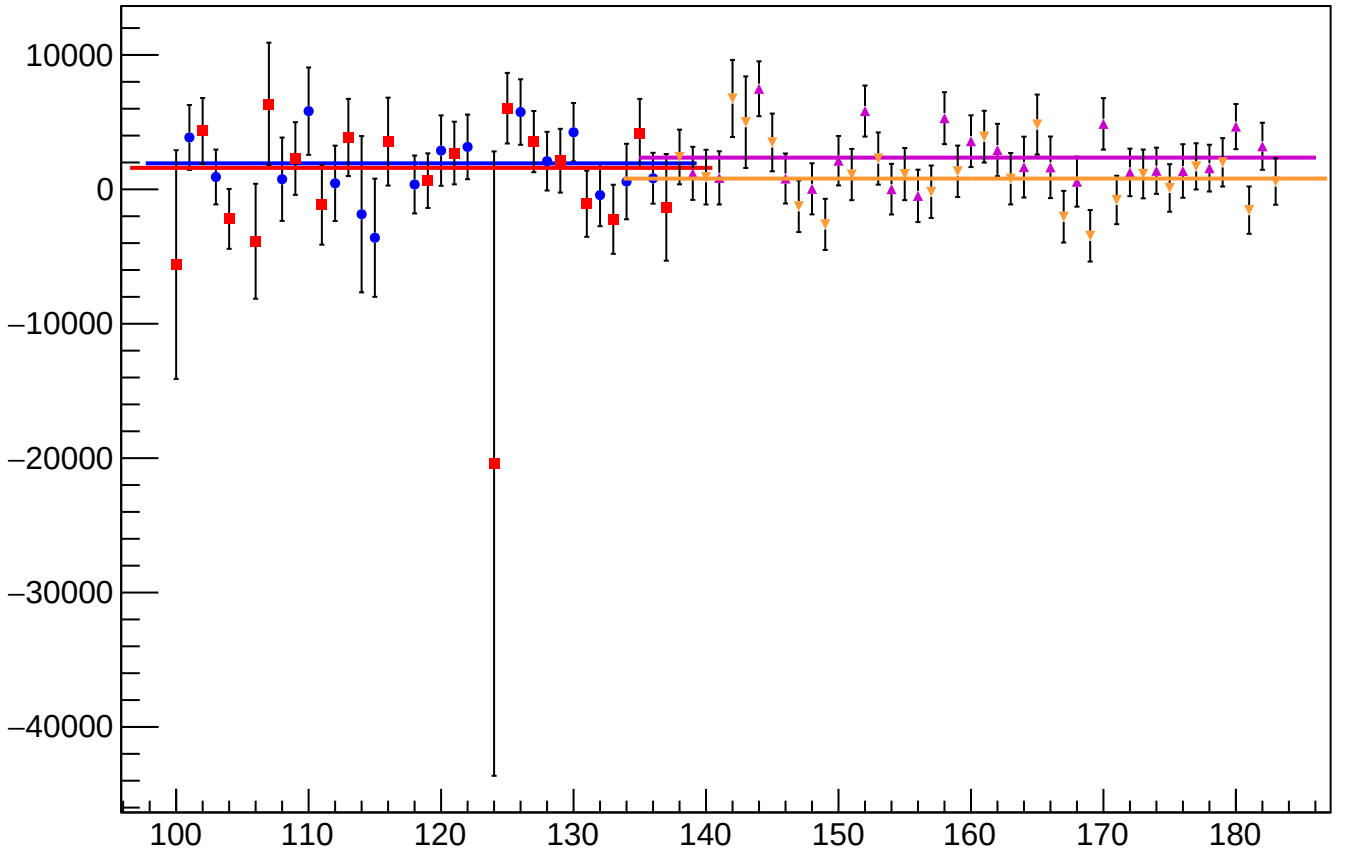
Left: 0.000+/-0.000 χ^2/NDF: 7175243.9/45

Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:6798495.4/37

Out: 0.000+/-0.000 χ^2/NDF:7078800.2/42

All: 0.000+/-0.000 χ^2/NDF: 13958541.2/80



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 801.577+/-397.909 χ^2/NDF:29.8/23

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: 1567.497+/-283.776 χ^2/NDF: 62.7/45

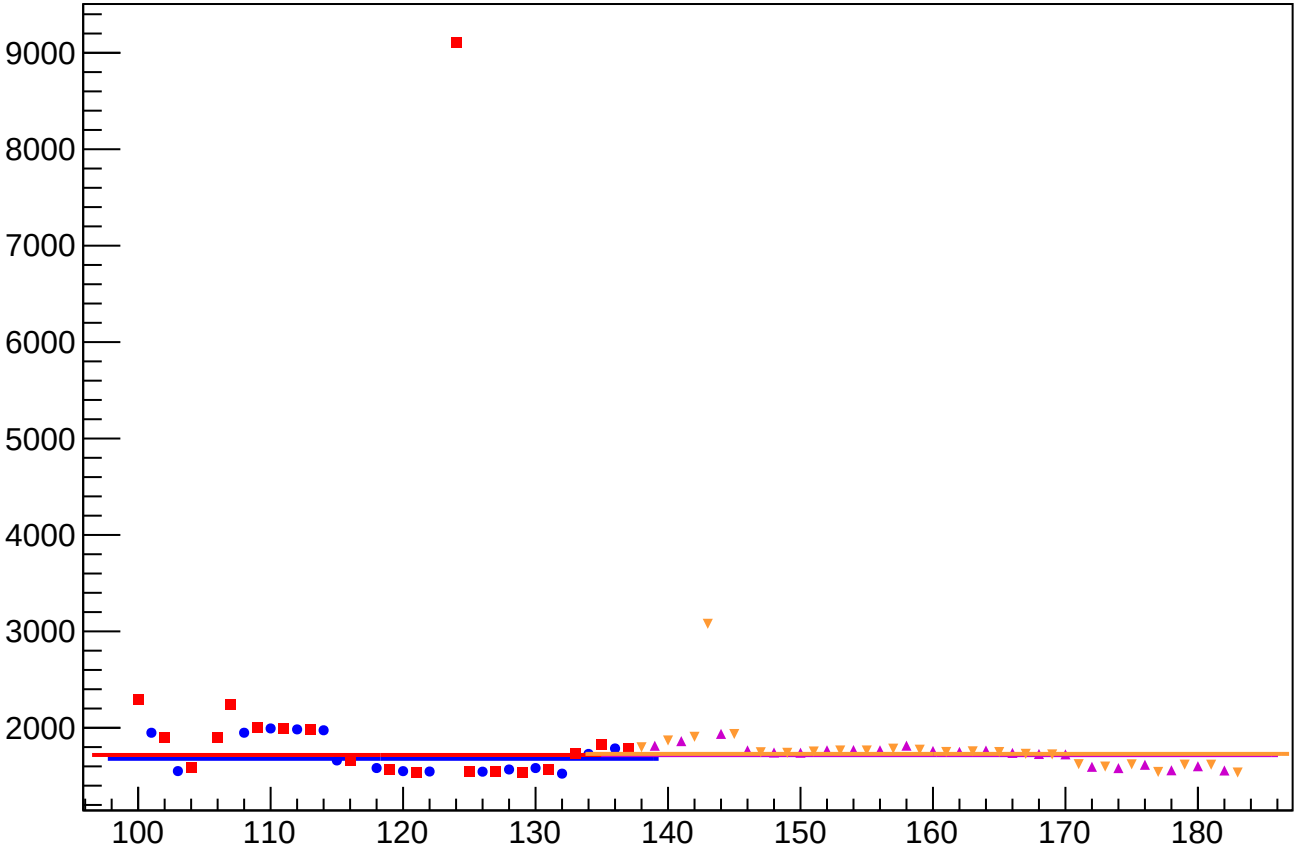
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2235.312+/-340.233 χ^2/NDF:36.6/37

Out: 1022.497+/-338.245 χ^2/NDF:50.3/42

All: 1625.351+/-239.875 χ^2/NDF: 93.3/80

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1729.590+/-0.281 χ^2/NDF:445844.7/23

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1716.549+/-0.286 χ^2/NDF:122258.1/21

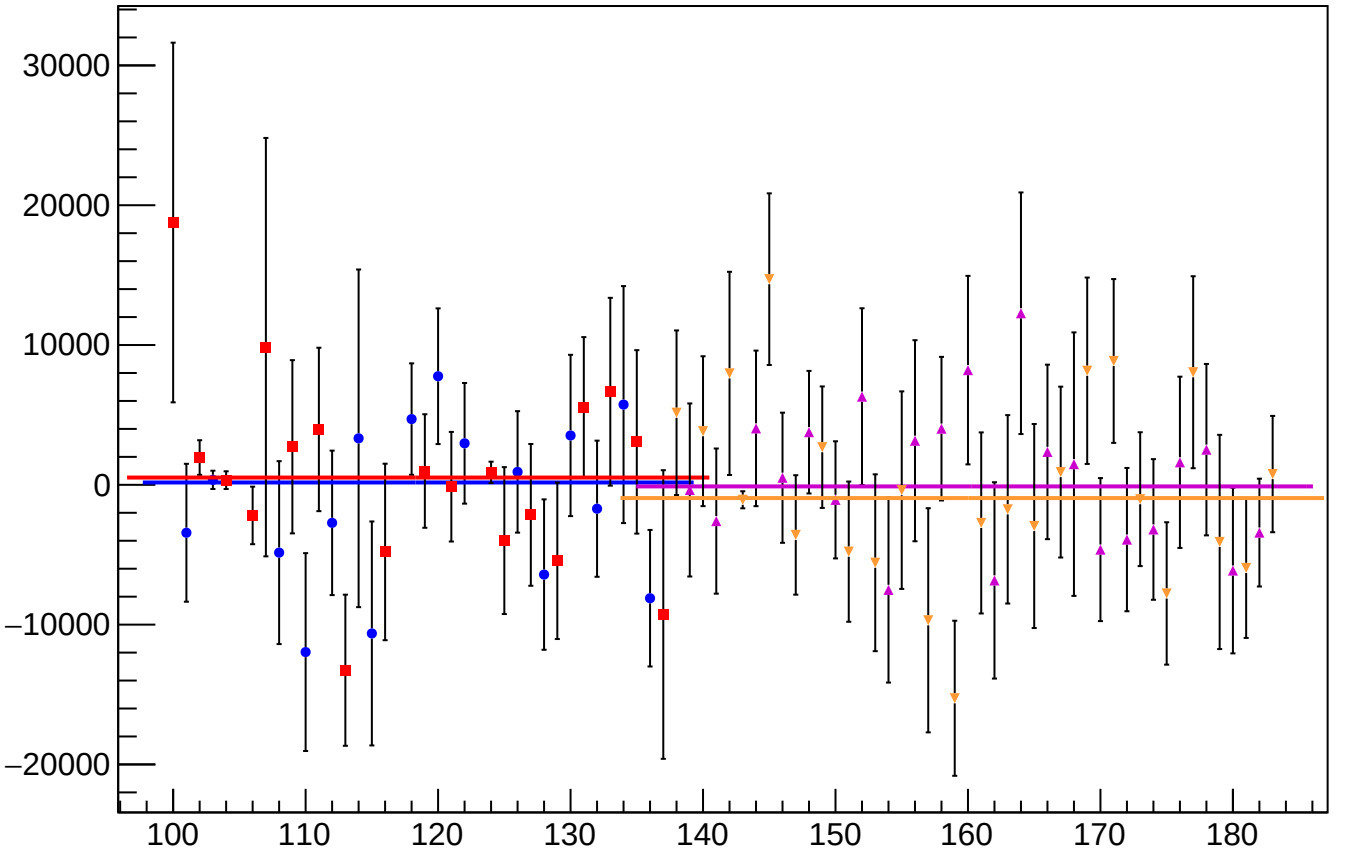
Left: 1723.182+/-0.201 χ^2/NDF: 569158.3/45

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1705.389+/-0.241 χ^2/NDF:268917.1/37

Out: 1726.440+/-0.239 χ^2/NDF:829472.7/42

All: 1715.990+/-0.170 χ^2/NDF: 1102245.3/80



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -946.528+/-542.732 χ^2/NDF:29.8/23

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: -112.676+/-1184.134 χ^2/NDF:13.2/21

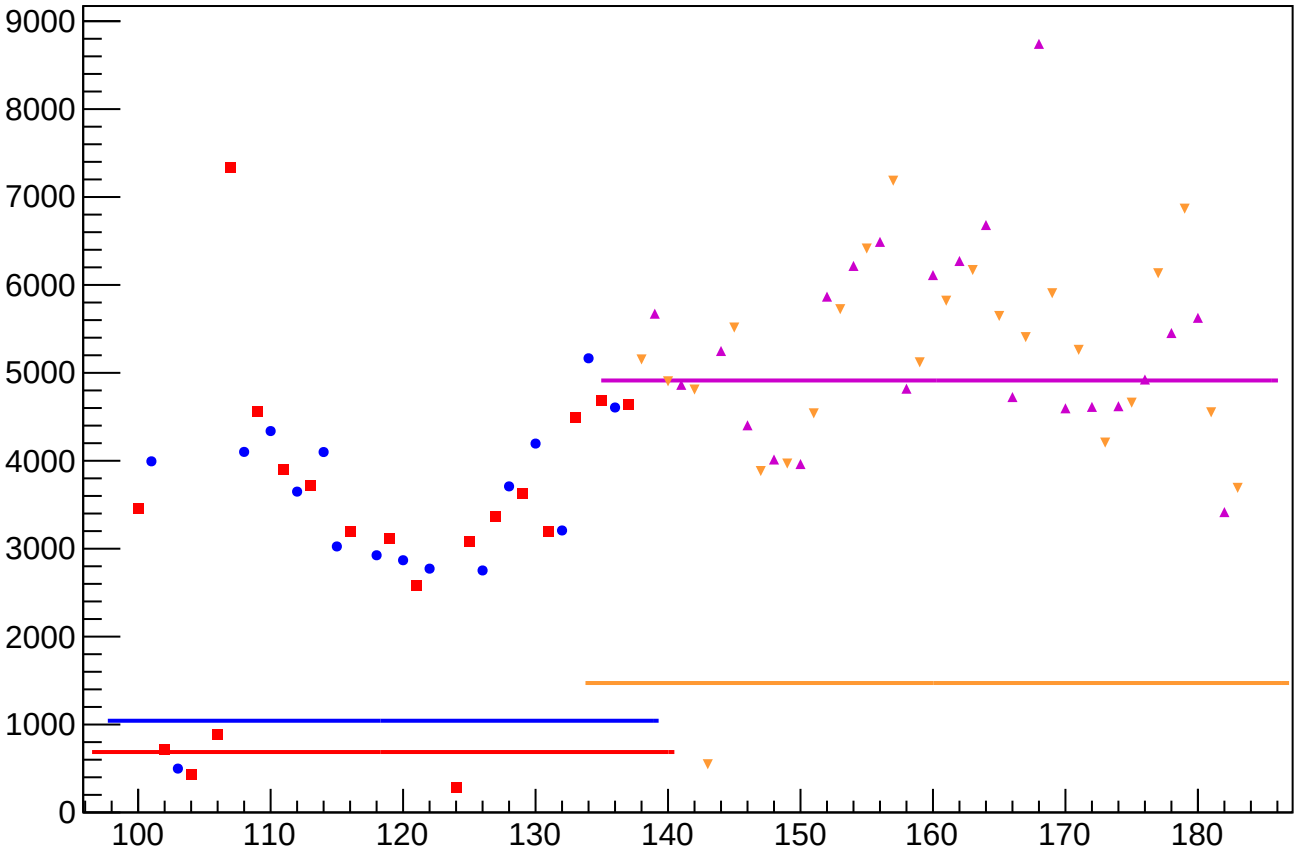
Left: -801.769+/-493.378 χ^2/NDF: 43.4/45

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 112.161+/-529.231 χ^2/NDF:29.1/37

Out: -36.429+/-334.508 χ^2/NDF:52.8/42

All: 5.988+/-282.761 χ^2/NDF: 82.0/80



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1472.264+/-0.384 χ^2/NDF:23036578.8/23

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: 2069.645+/-0.349 χ^2/NDF: 38383325.8/45

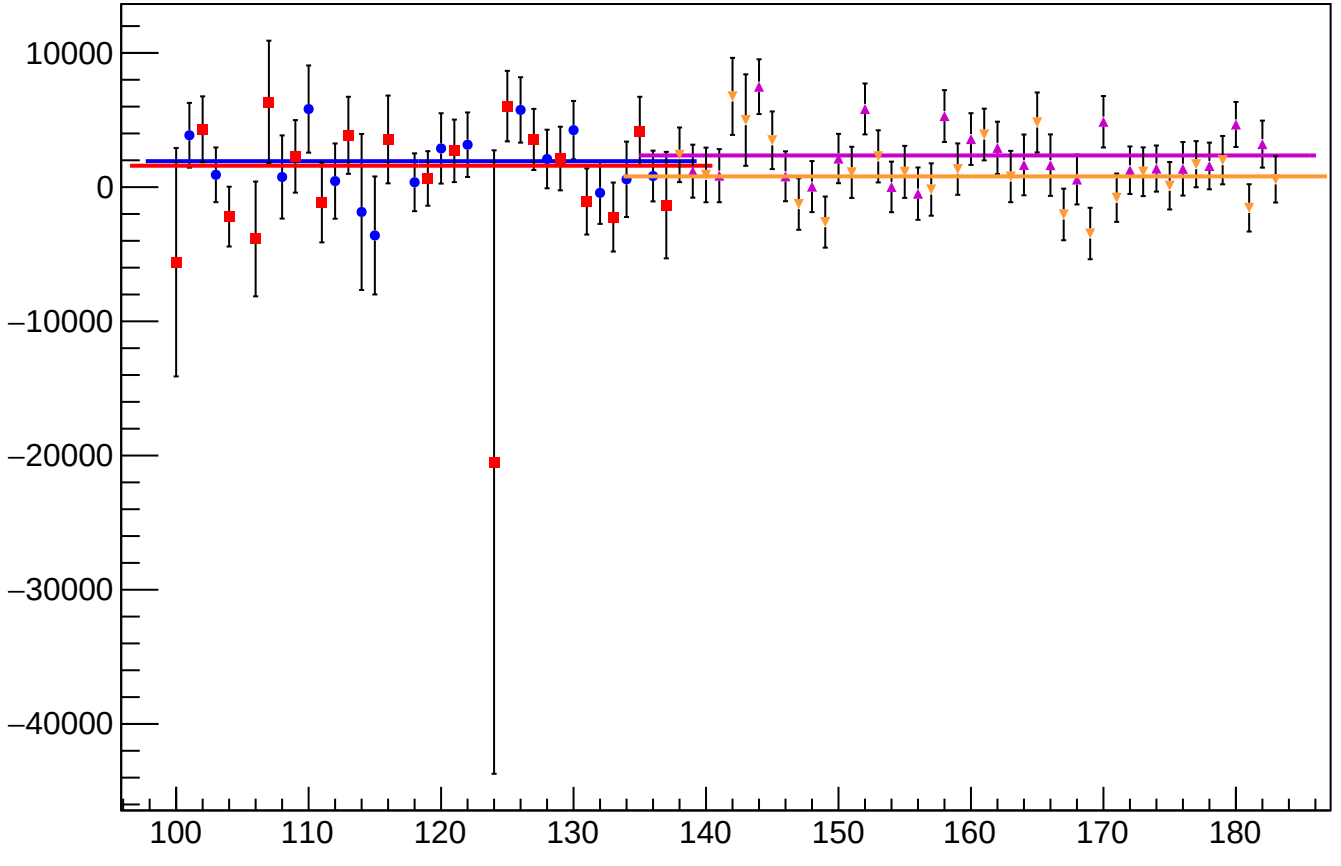
Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1816.199+/-0.374 χ^2/NDF:26598419.1/37

Out: 985.507+/-0.237 χ^2/NDF:34262317.9/42

All: 1222.637+/-0.200 χ^2/NDF: 64381561.9/8

cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 801.551+/-397.909 χ^2/NDF:29.8/23

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: 1567.487+/-283.776 χ^2/NDF: 62.7/45

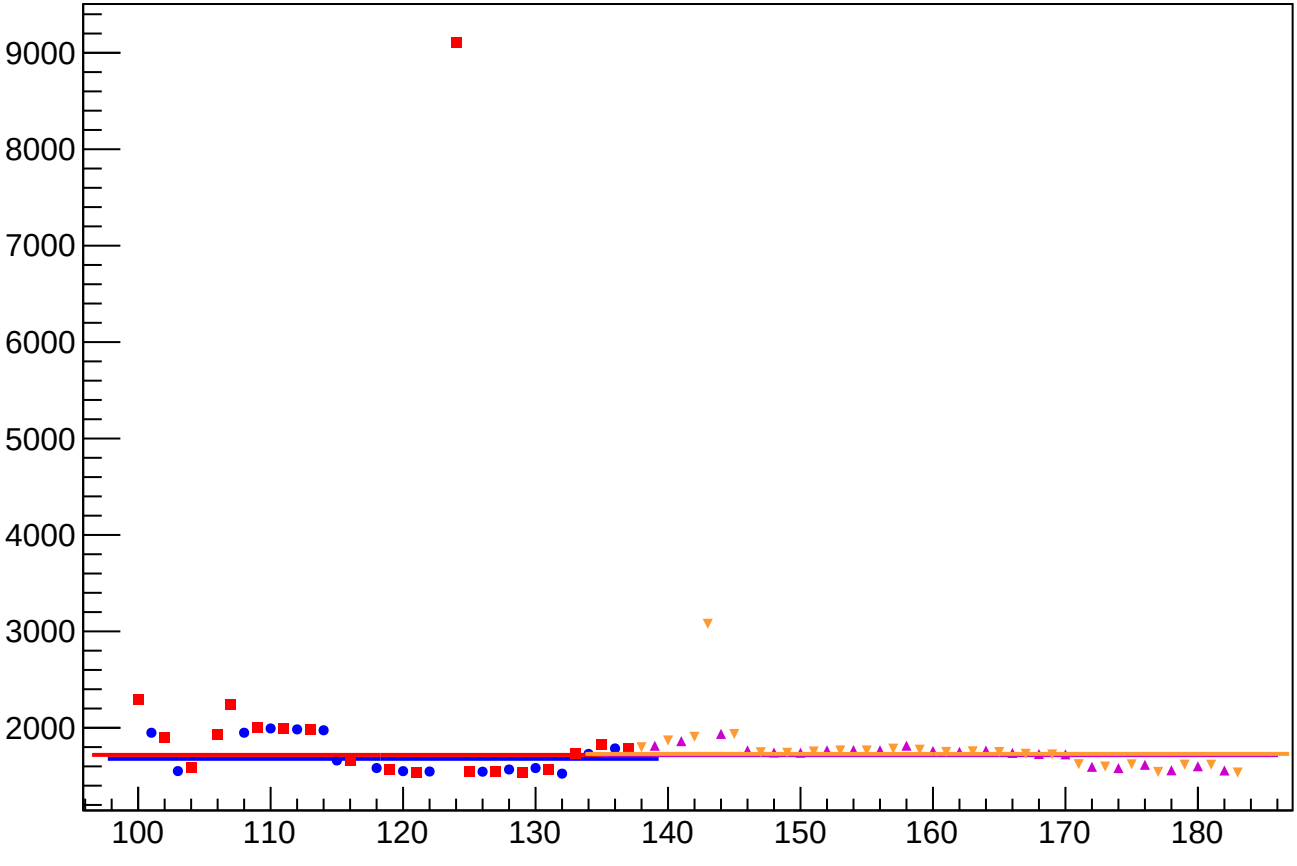
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2235.350+/-340.233 χ^2/NDF:36.6/37

Out: 1021.799+/-338.246 χ^2/NDF:50.3/42

All: 1625.020+/-239.875 χ^2/NDF: 93.3/80

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1729.590+/-0.281 χ^2/NDF:445844.7/23

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1716.549+/-0.286 χ^2/NDF:122258.1/21

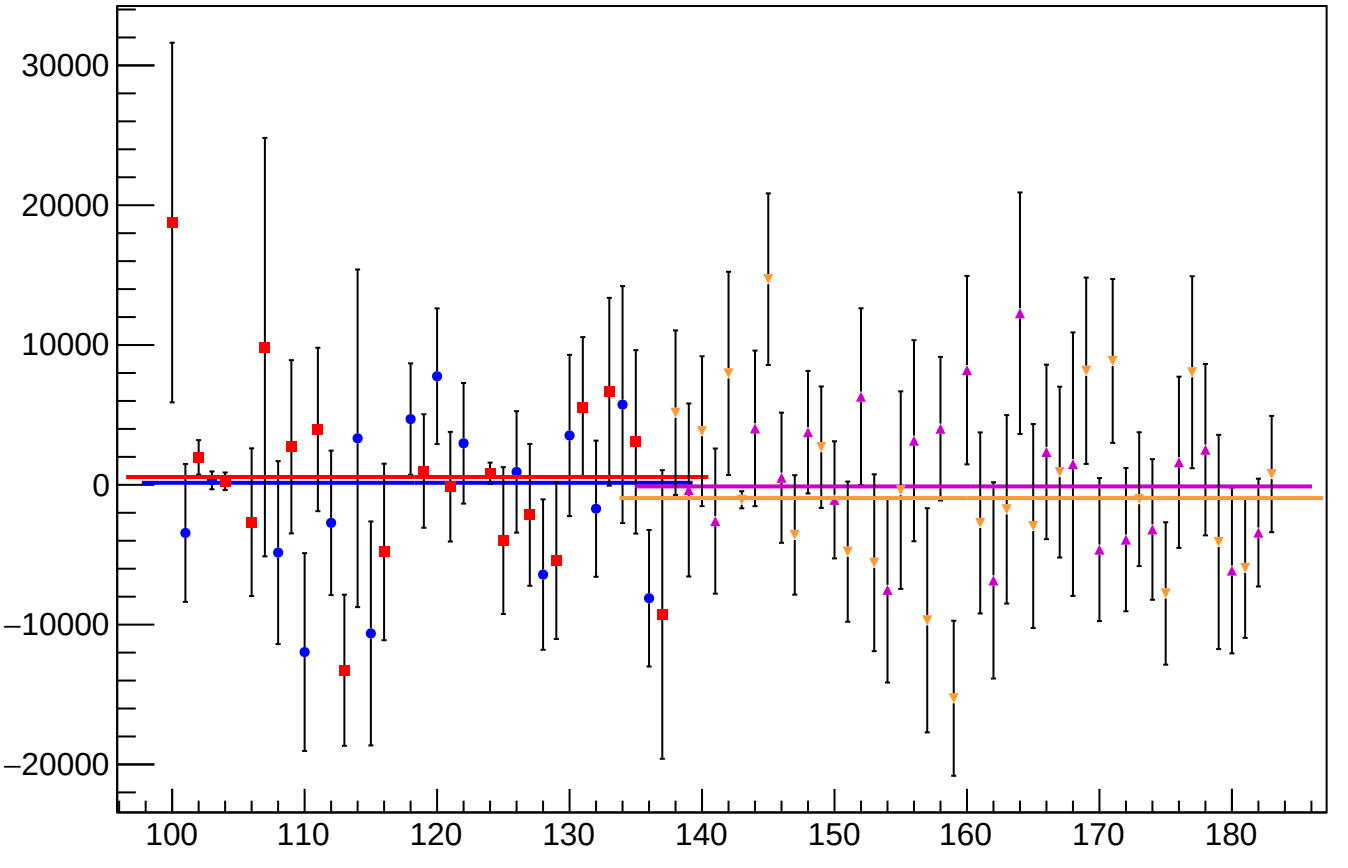
Left: 1723.182+/-0.201 χ^2/NDF: 569158.3/45

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1705.389+/-0.241 χ^2/NDF:268917.2/37

Out: 1726.675+/-0.239 χ^2/NDF:831151.5/42

All: 1716.107+/-0.170 χ^2/NDF: 1104010.3/80



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -946.205+/-542.714 χ^2/NDF:29.8/23

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -112.589+/-1184.133 χ^2/NDF:13.2/21

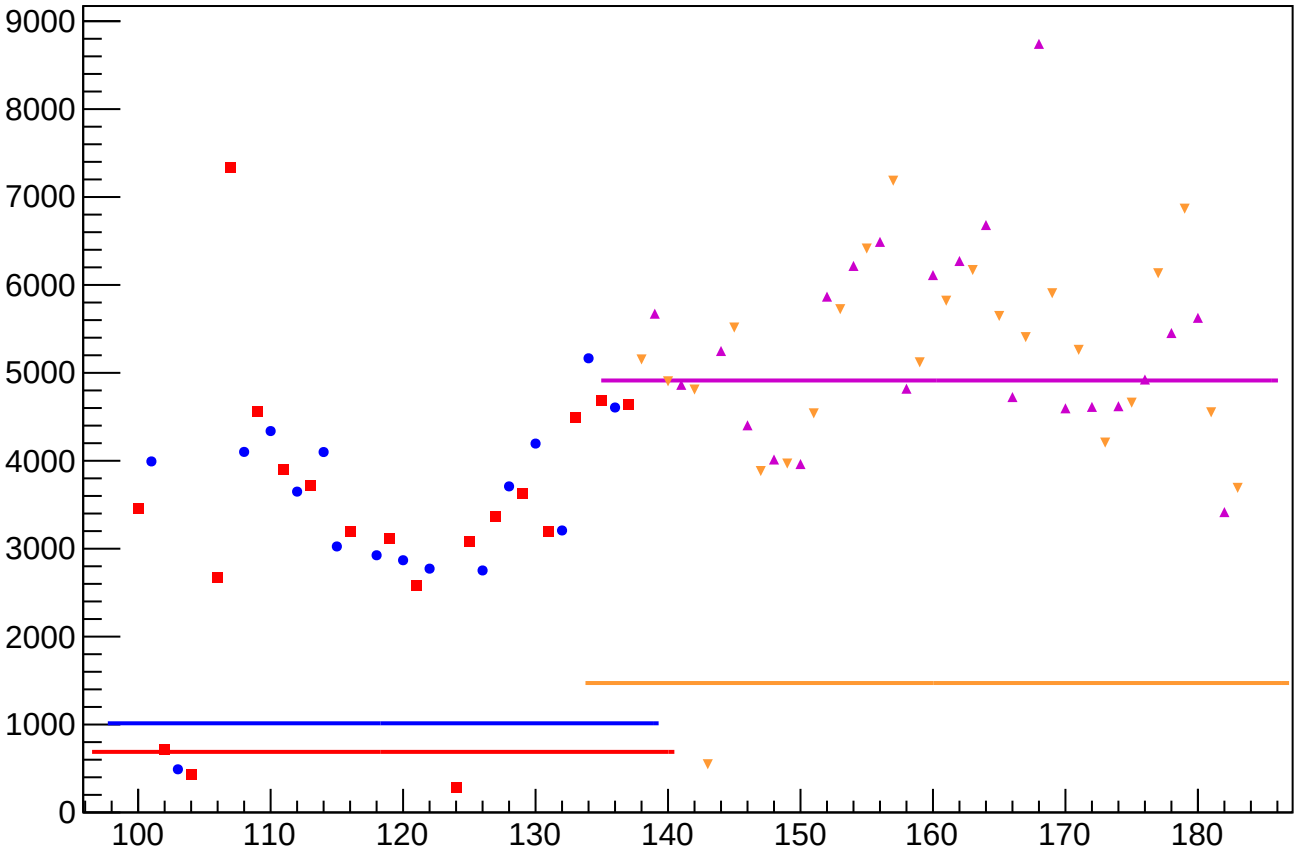
Left: -801.494+/-493.364 χ^2/NDF: 43.4/45

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 96.497+/-520.407 χ^2/NDF:29.0/37

Out: -21.021+/-337.332 χ^2/NDF:51.7/42

All: 13.748+/-283.066 χ^2/NDF: 80.8/80



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1472.186+/-0.384 χ^2/NDF:23037190.5/23

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4913.336+/-0.837 χ^2/NDF:1389325.5/21

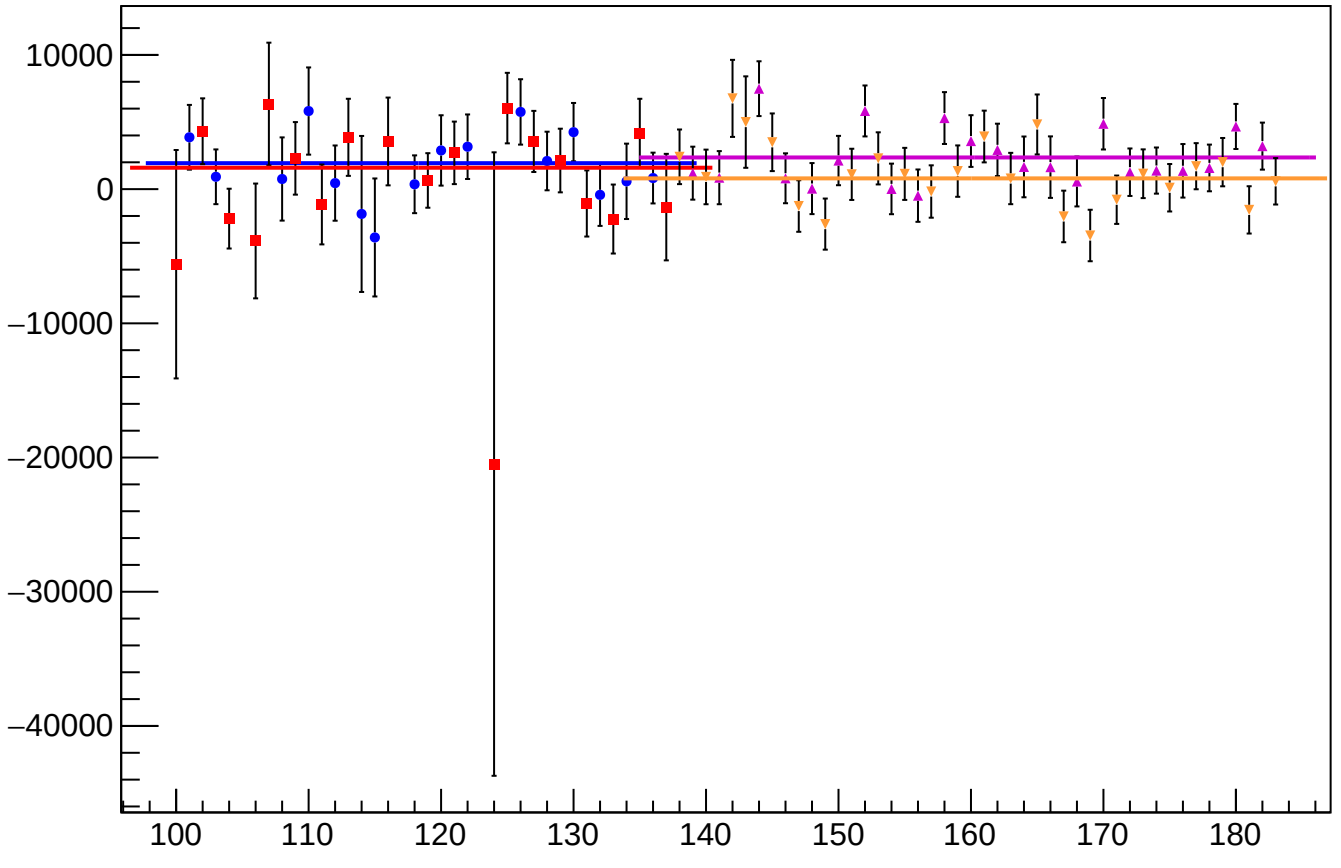
Left: 2069.548+/-0.349 χ^2/NDF: 38384723.2/45

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1767.216+/-0.368 χ^2/NDF:27110170.5/37

Out: 991.613+/-0.239 χ^2/NDF:34503092.1/42

All: 1221.084+/-0.200 χ^2/NDF: 64741370.5/8



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 801.551+/-397.909 χ^2/NDF:29.8/23

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2360.258+/-404.819 χ^2/NDF:25.4/21

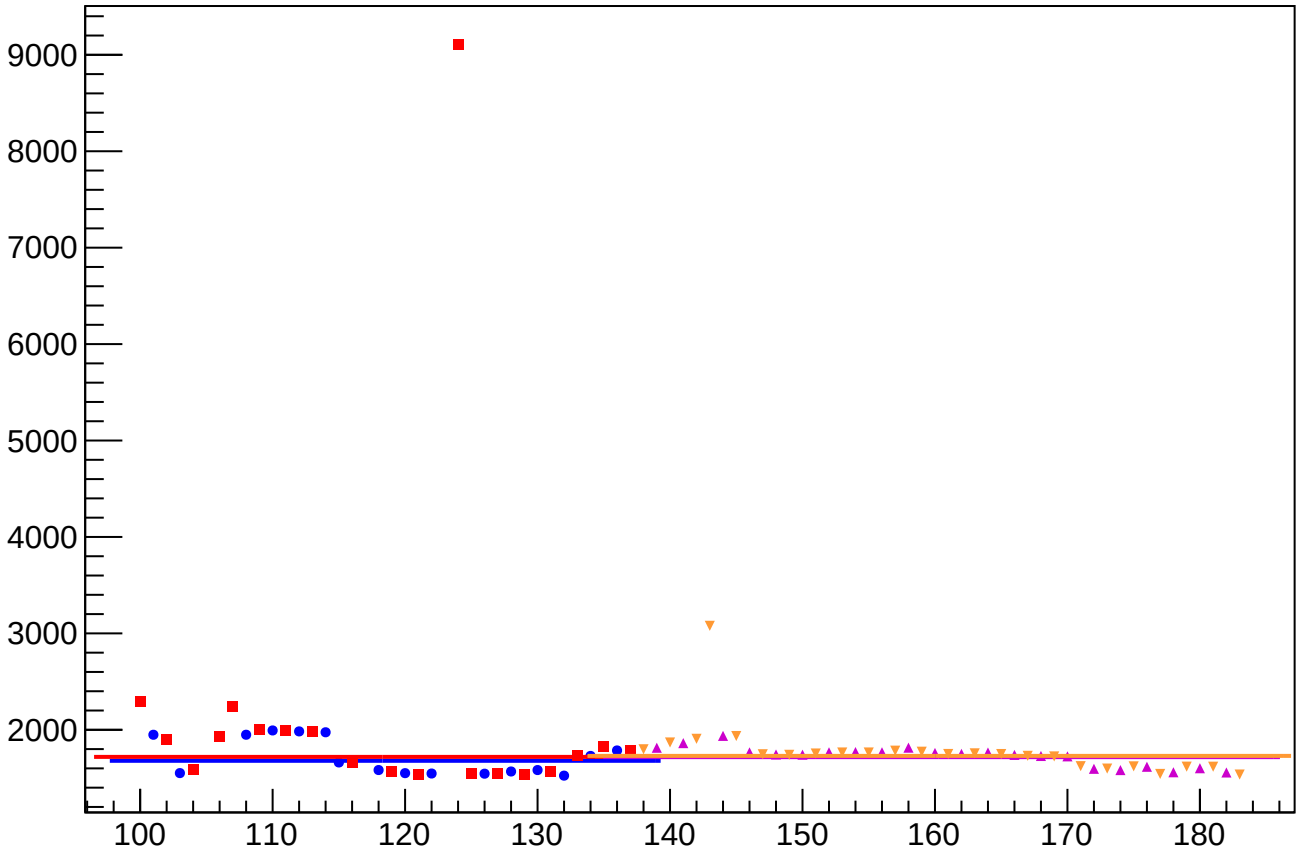
Left: 1567.487+/-283.776 χ^2/NDF: 62.7/45

Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2235.350+/-340.233 χ^2/NDF:36.6/37

Out: 1021.799+/-338.246 χ^2/NDF:50.3/42

All: 1625.020+/-239.875 χ^2/NDF: 93.3/80



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1729.590+/-0.281 χ^2/NDF:445844.7/23

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1716.549+/-0.286 χ^2/NDF:122258.1/21

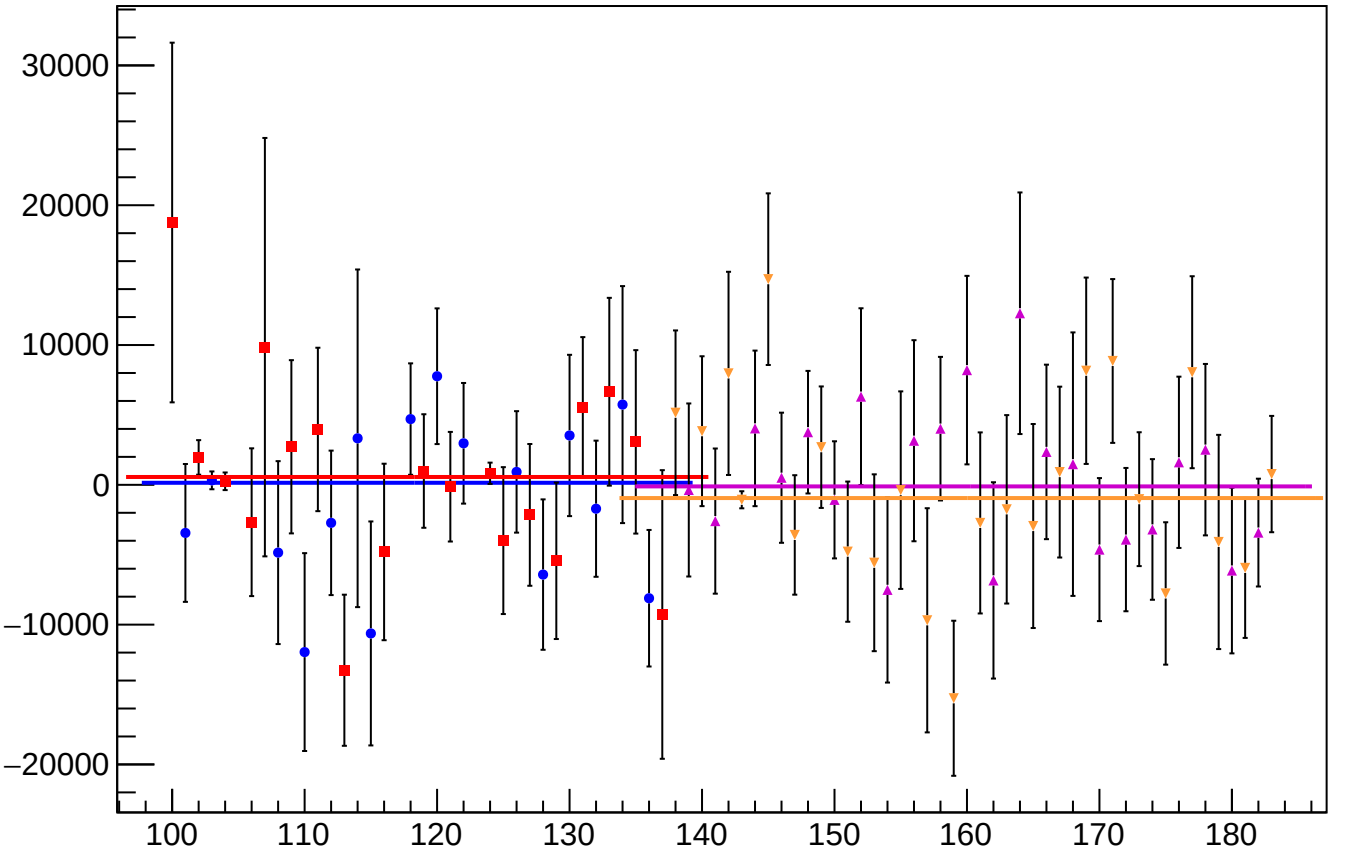
Left: 1723.182+/-0.201 χ^2/NDF: 569158.3/45

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1705.389+/-0.241 χ^2/NDF:268917.2/37

Out: 1726.675+/-0.239 χ^2/NDF:831151.5/42

All: 1716.107+/-0.170 χ^2/NDF: 1104010.3/80



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -946.205+/-542.714 χ^2/NDF:29.8/23

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -112.589+/-1184.133 χ^2/NDF:13.2/21

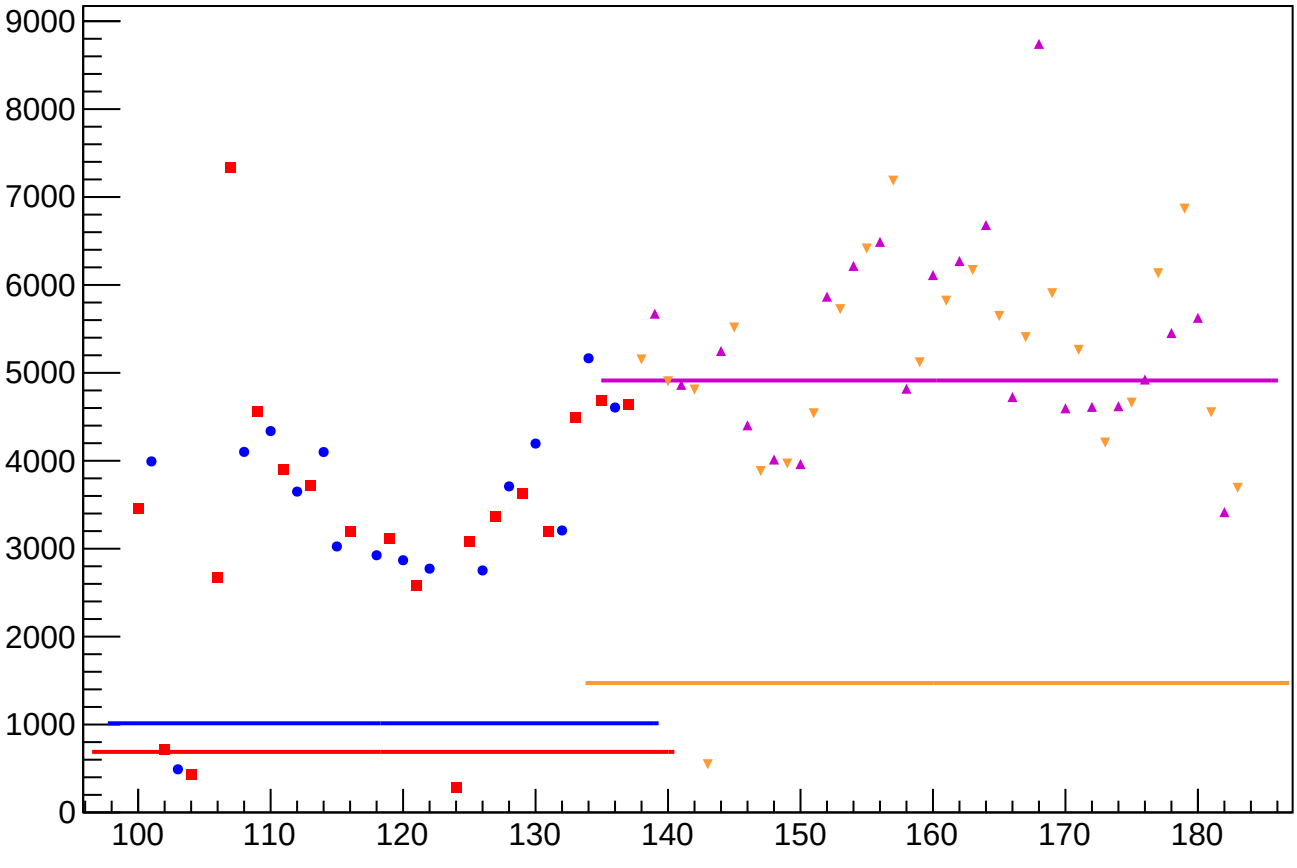
Left: -801.494+/-493.364 χ^2/NDF: 43.4/45

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 96.497+/-520.407 χ^2/NDF:29.0/37

Out: -21.021+/-337.332 χ^2/NDF:51.7/42

All: 13.748+/-283.066 χ^2/NDF: 80.8/80



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1472.186+/-0.384 χ^2/NDF:23037190.5/23

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4913.336+/-0.837 χ^2/NDF:1389325.5/21

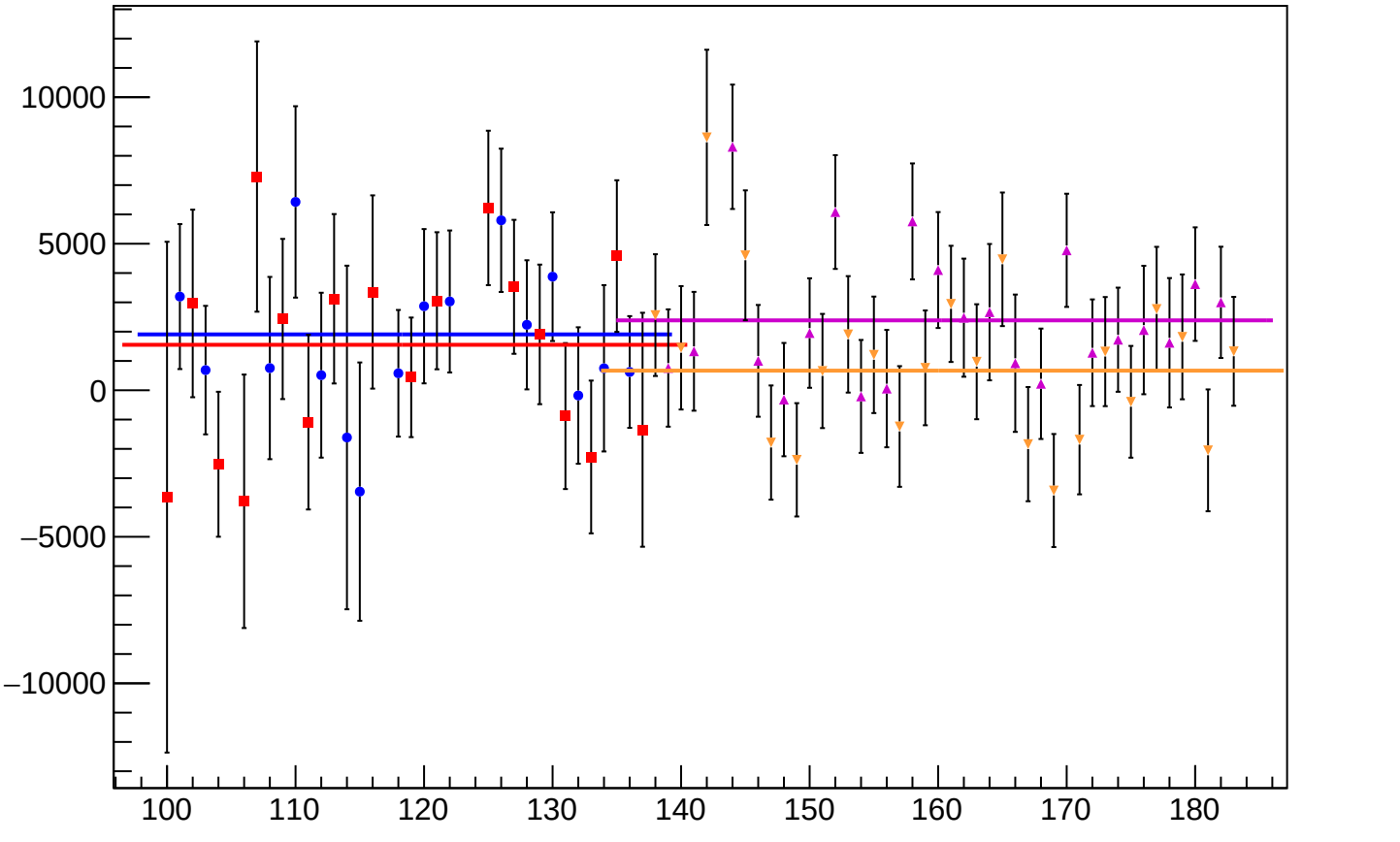
Left: 2069.548+/-0.349 χ^2/NDF: 38384723.2/45

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1767.216+/-0.368 χ^2/NDF:27110170.5/37

Out: 991.613+/-0.239 χ^2/NDF:34503092.1/42

All: 1221.084+/-0.200 χ^2/NDF: 64741370.5/8



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 669.399+/-421.694 χ^2/NDF:32.0/22

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: 1523.737+/-298.780 χ^2/NDF: 66.4/44

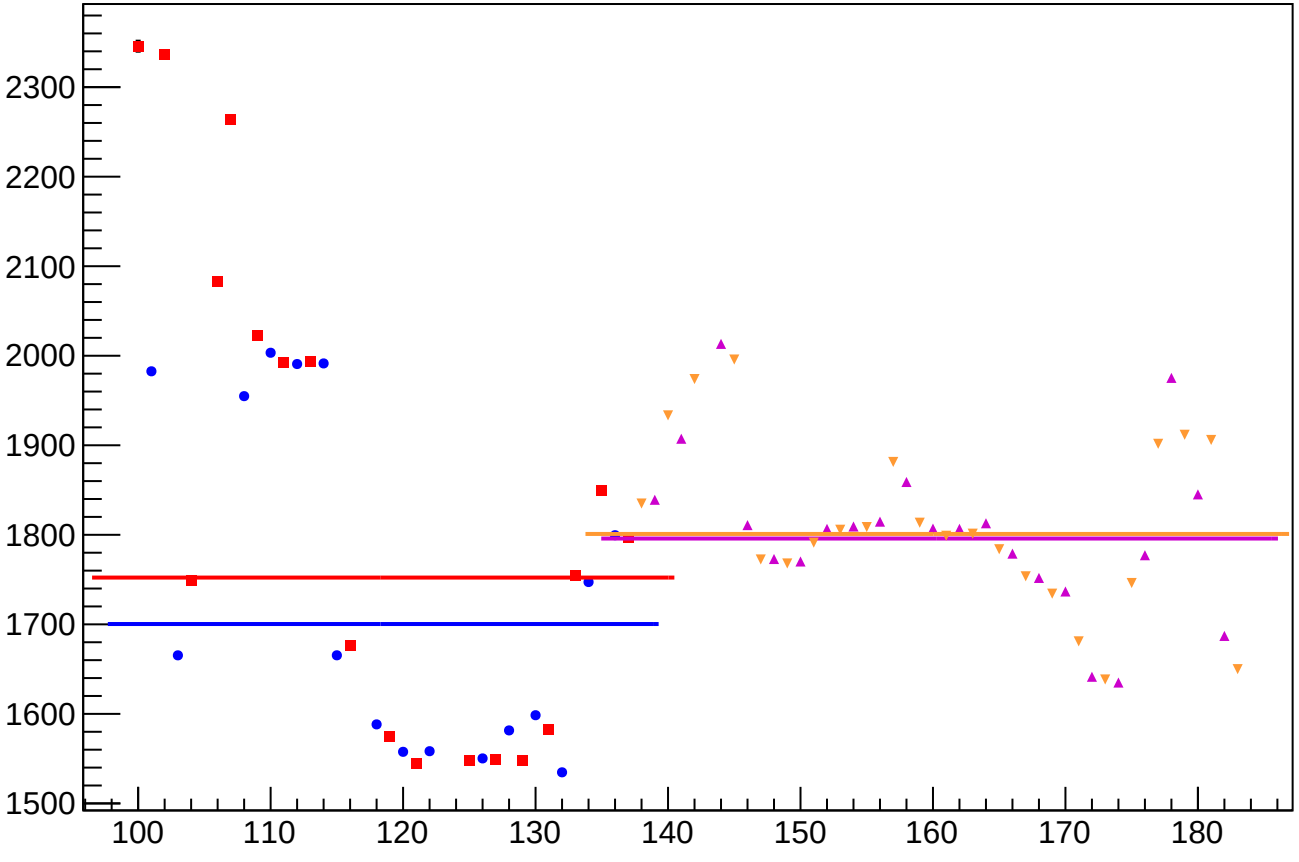
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2238.084+/-352.511 χ^2/NDF:36.8/37

Out: 924.383+/-355.517 χ^2/NDF:50.7/40

All: 1586.811+/-250.319 χ^2/NDF: 94.4/78

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1800.963+/-0.298 χ^2/NDF:91904.6/22

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1795.830+/-0.299 χ^2/NDF:86438.2/21

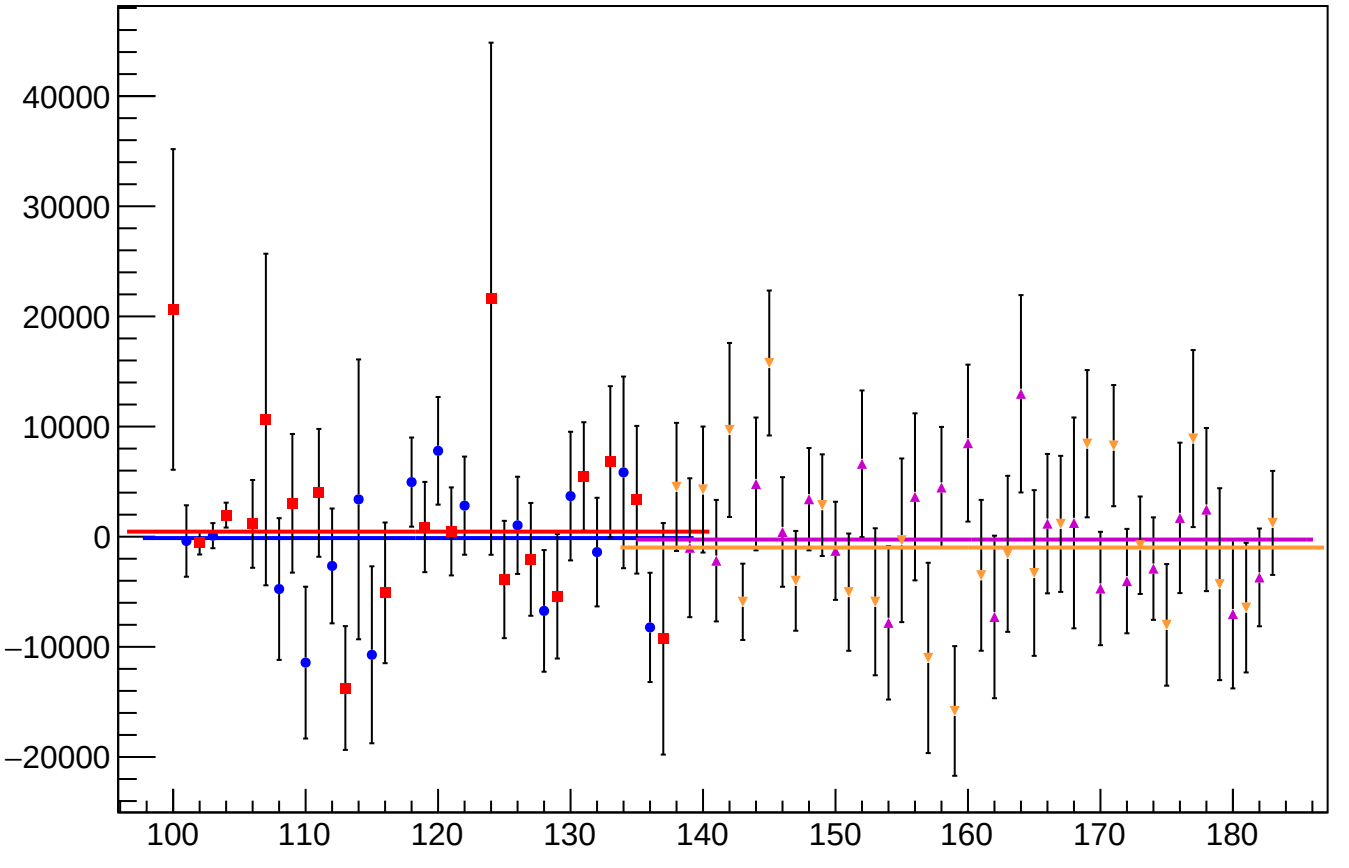
Left: 1798.407+/-0.211 χ^2/NDF: 178490.4/44

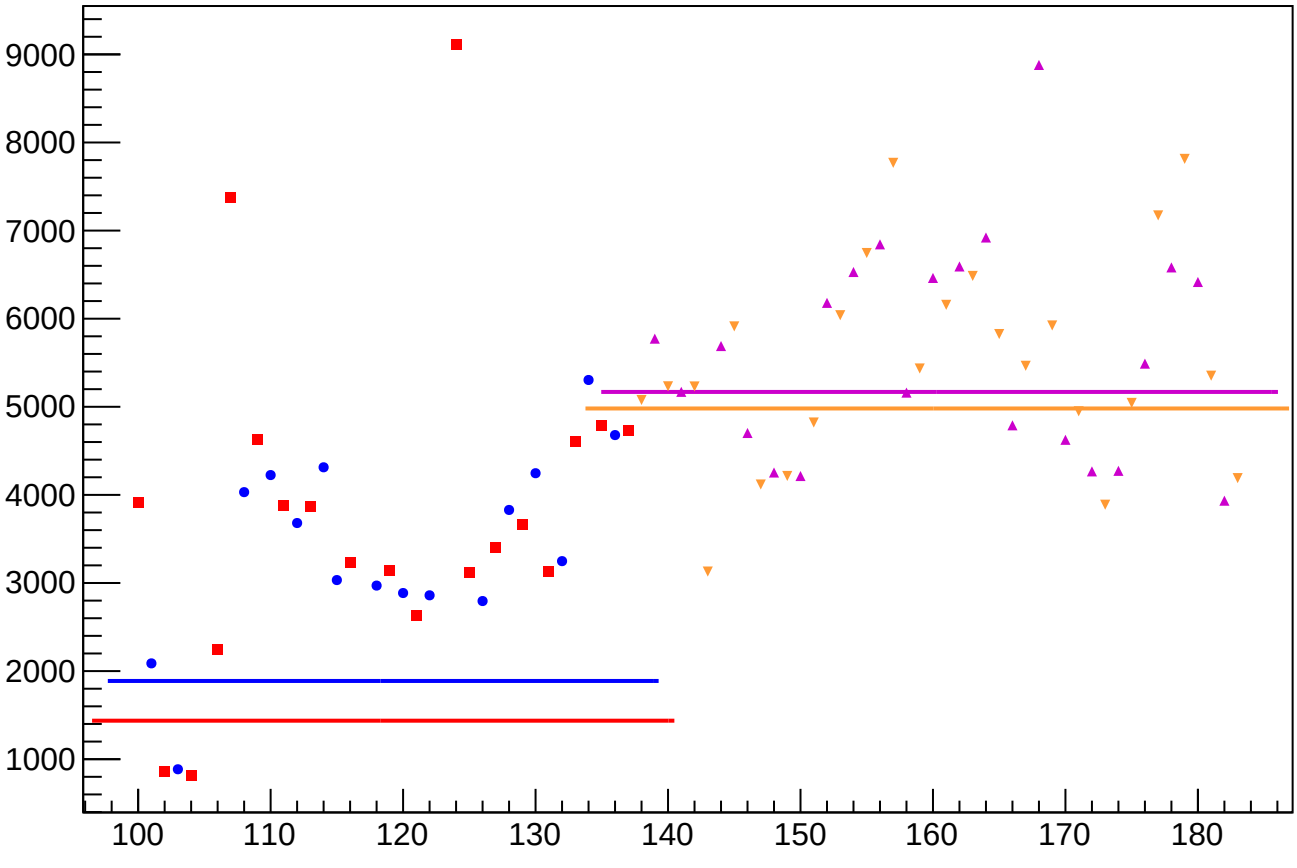
Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1766.540+/-0.249 χ^2/NDF:253057.4/37

Out: 1786.825+/-0.251 χ^2/NDF:347605.4/40

All: 1776.603+/-0.177 χ^2/NDF: 603948.1/78


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: -983.891+/-1175.876 χ²/NDF:31.6/23
Right Out: 459.431+/-679.157 χ²/NDF: 18.5/18
Left In: -259.682+/-1246.560 χ²/NDF:13.0/21
Left: -642.900+/-855.367 χ²/NDF: 44.7/45
Right: 237.213+/-534.800 χ²/NDF: 33.9/34
In: -169.269+/-712.128 χ²/NDF:28.1/37
Out: 98.389+/-588.110 χ²/NDF:51.2/42
All: -10.140+/-453.463 χ²/NDF: 79.4/80



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4980.812+/-0.831 χ^2/NDF:1903407.1/23

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5168.601+/-0.881 χ^2/NDF:1434298.8/21

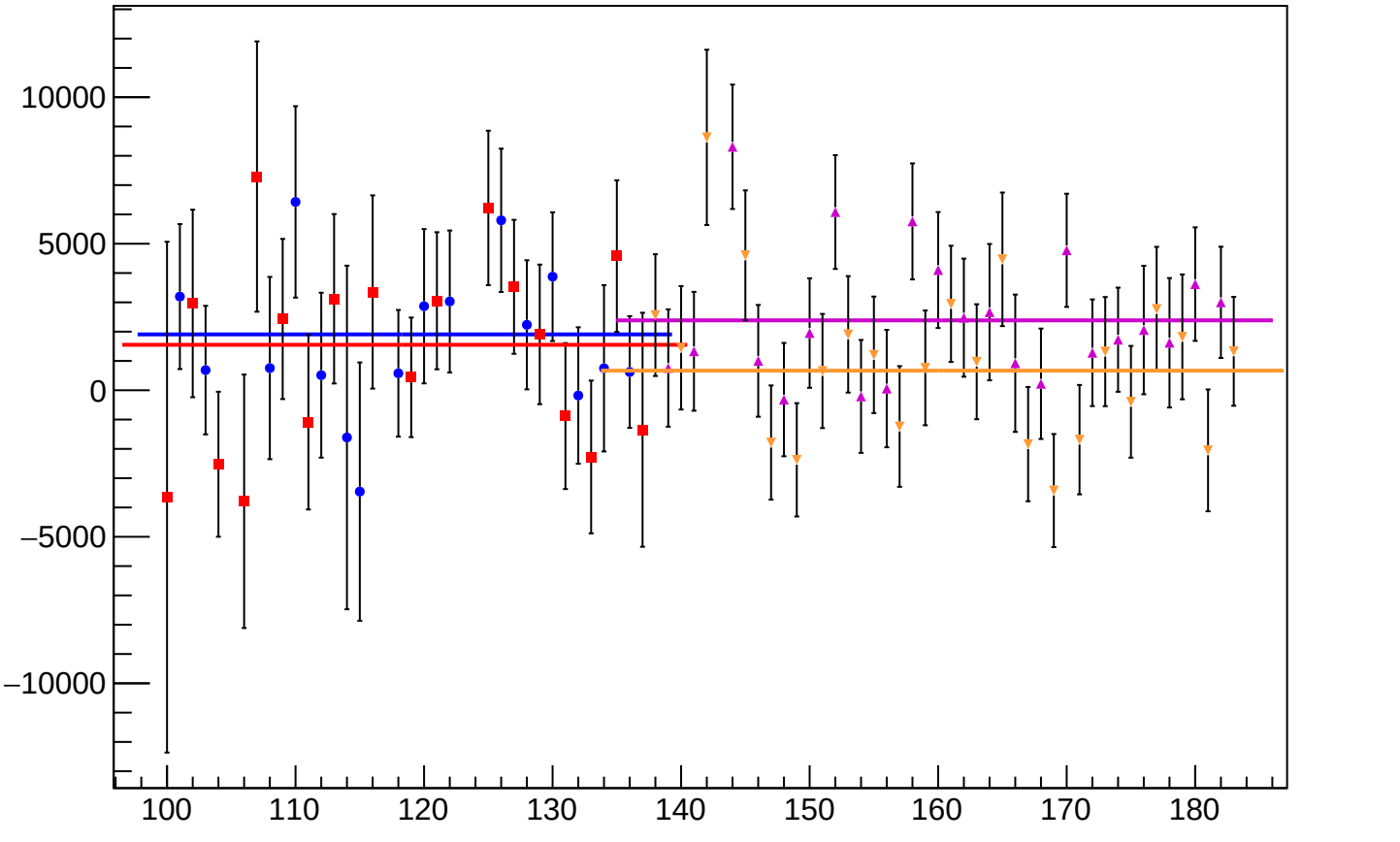
Left: 5069.232+/-0.605 χ^2/NDF: 3361723.3/45

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2958.637+/-0.504 χ^2/NDF:15191293.6/37

Out: 2323.552+/-0.416 χ^2/NDF:21488276.6/42

All: 2581.066+/-0.321 χ^2/NDF: 37625253.5/8



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 669.396+/-421.694 χ^2/NDF:32.0/22

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2384.962+/-423.390 χ^2/NDF:26.1/21

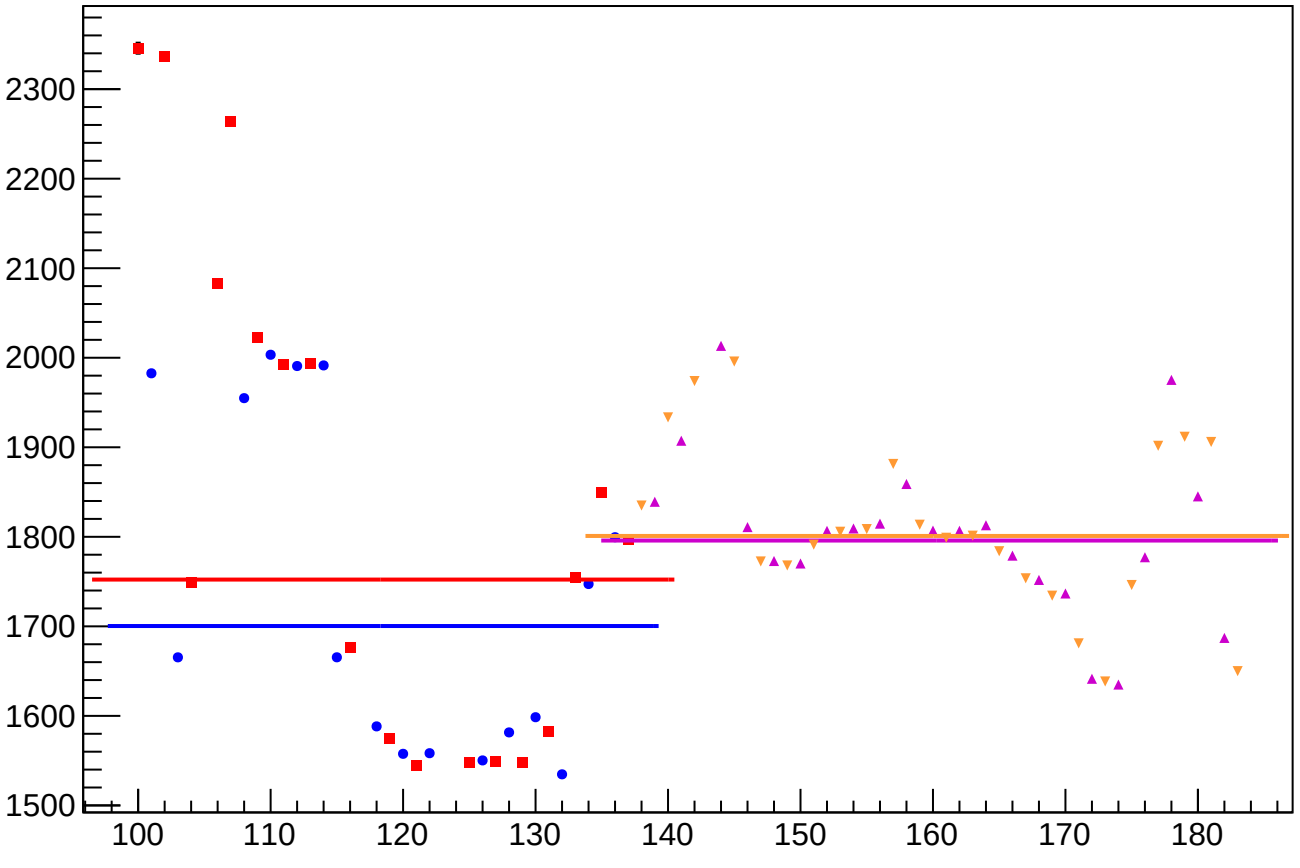
Left: 1523.735+/-298.781 χ^2/NDF: 66.4/44

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2238.084+/-352.512 χ^2/NDF:36.8/37

Out: 924.380+/-355.517 χ^2/NDF:50.7/40

All: 1586.809+/-250.319 χ^2/NDF: 94.4/78



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1800.965+/-0.298 χ^2/NDF:91908.2/22

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1795.832+/-0.299 χ^2/NDF:86441.7/21

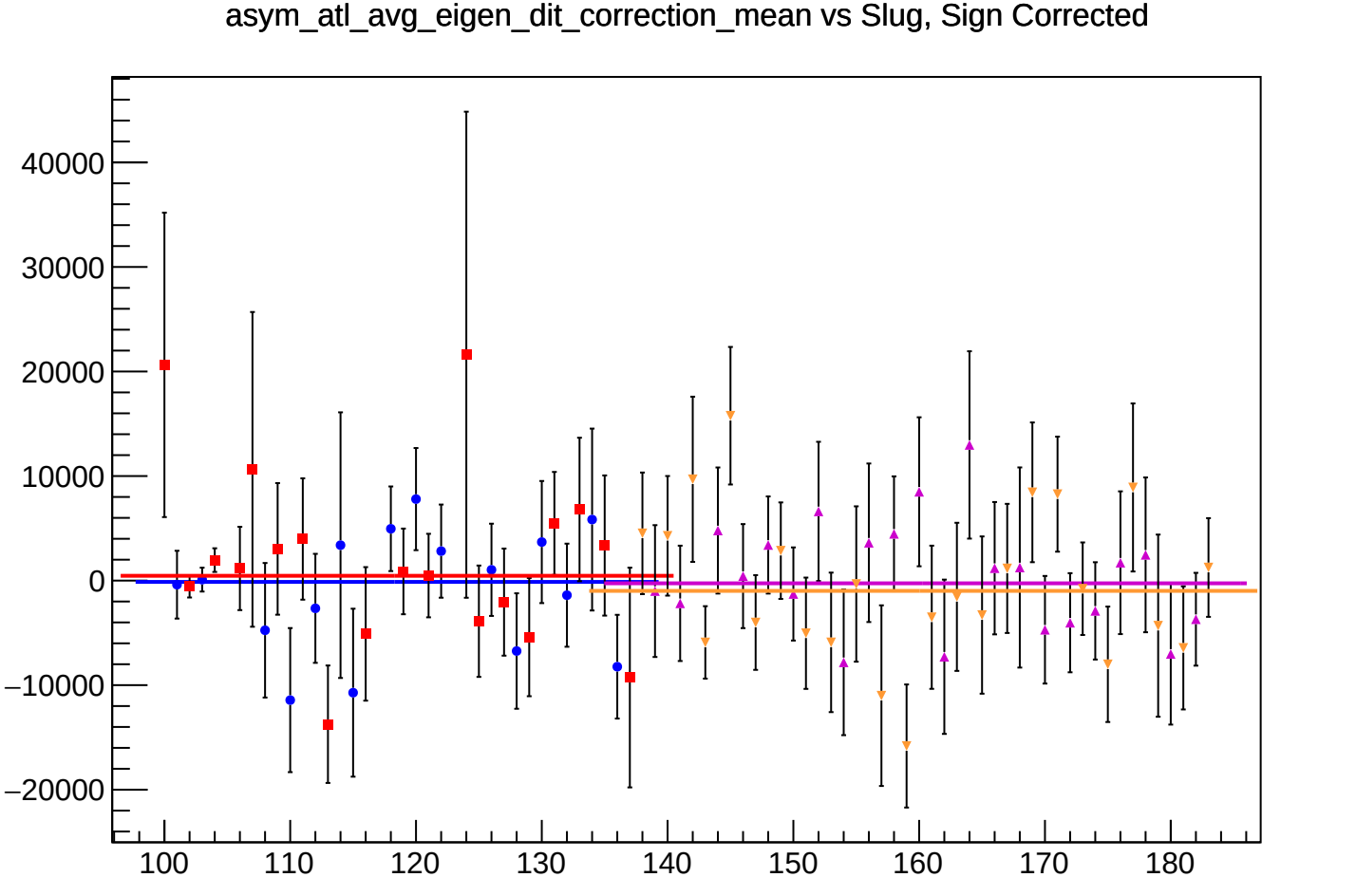
Left: 1798.408+/-0.211 χ^2/NDF: 178497.5/44

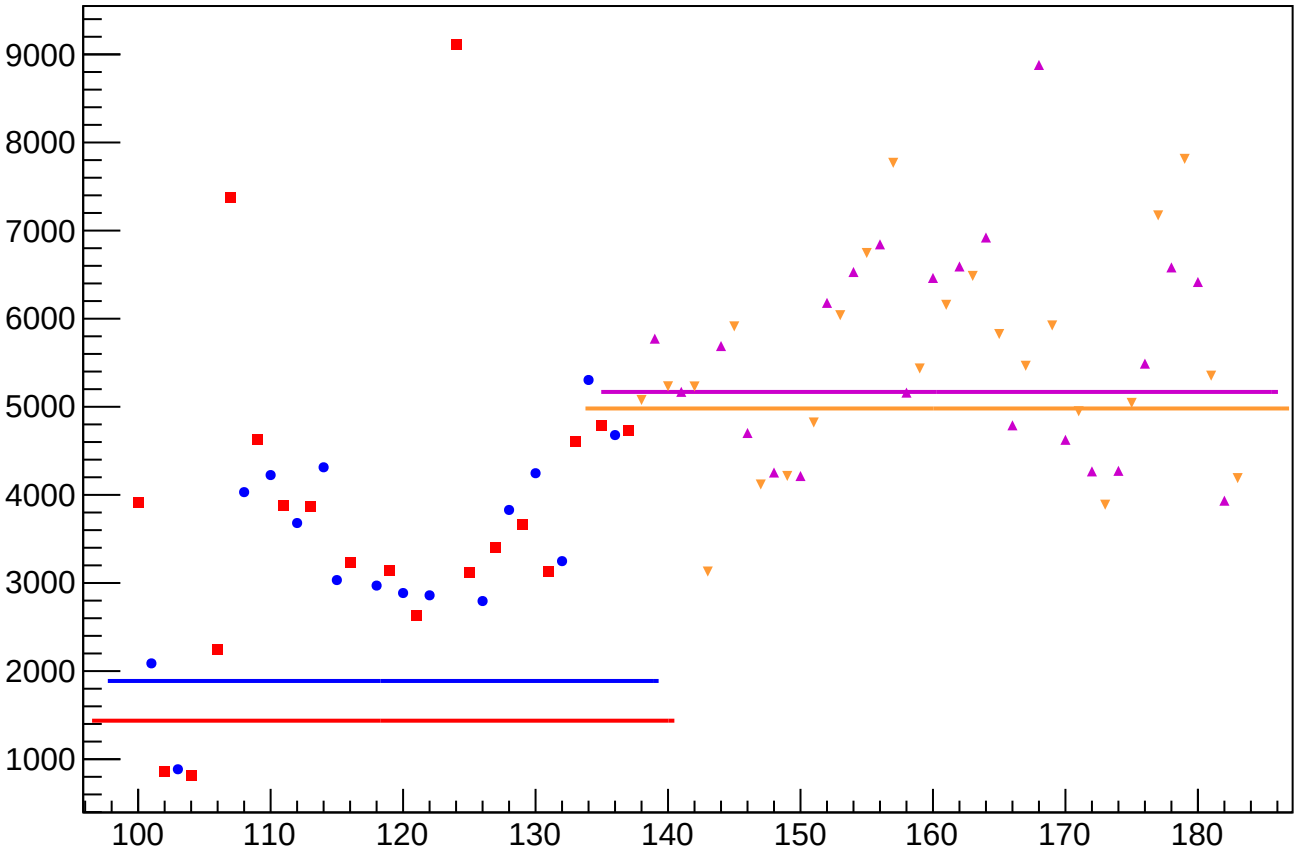
Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1766.541+/-0.249 χ^2/NDF:253062.0/37

Out: 1786.826+/-0.251 χ^2/NDF:347609.0/40

All: 1776.604+/-0.177 χ^2/NDF: 603956.4/78


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -125.464+/-867.639 χ²/NDF: 15.1/15
Left Out: -983.897+/-1175.877 χ²/NDF:31.6/23
Right Out: 459.430+/-679.152 χ²/NDF: 18.5/18
Left In: -259.683+/-1246.562 χ²/NDF:13.0/21
Left: -642.904+/-855.368 χ²/NDF: 44.7/45
Right: 237.214+/-534.797 χ²/NDF: 33.9/34
In: -169.266+/-712.125 χ²/NDF:28.1/37
Out: 98.392+/-588.107 χ²/NDF:51.2/42
All: -10.137+/-453.461 χ²/NDF: 79.4/80



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4980.819+/-0.831 χ^2/NDF:1903413.5/23

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5168.609+/-0.881 χ^2/NDF:1434301.0/21

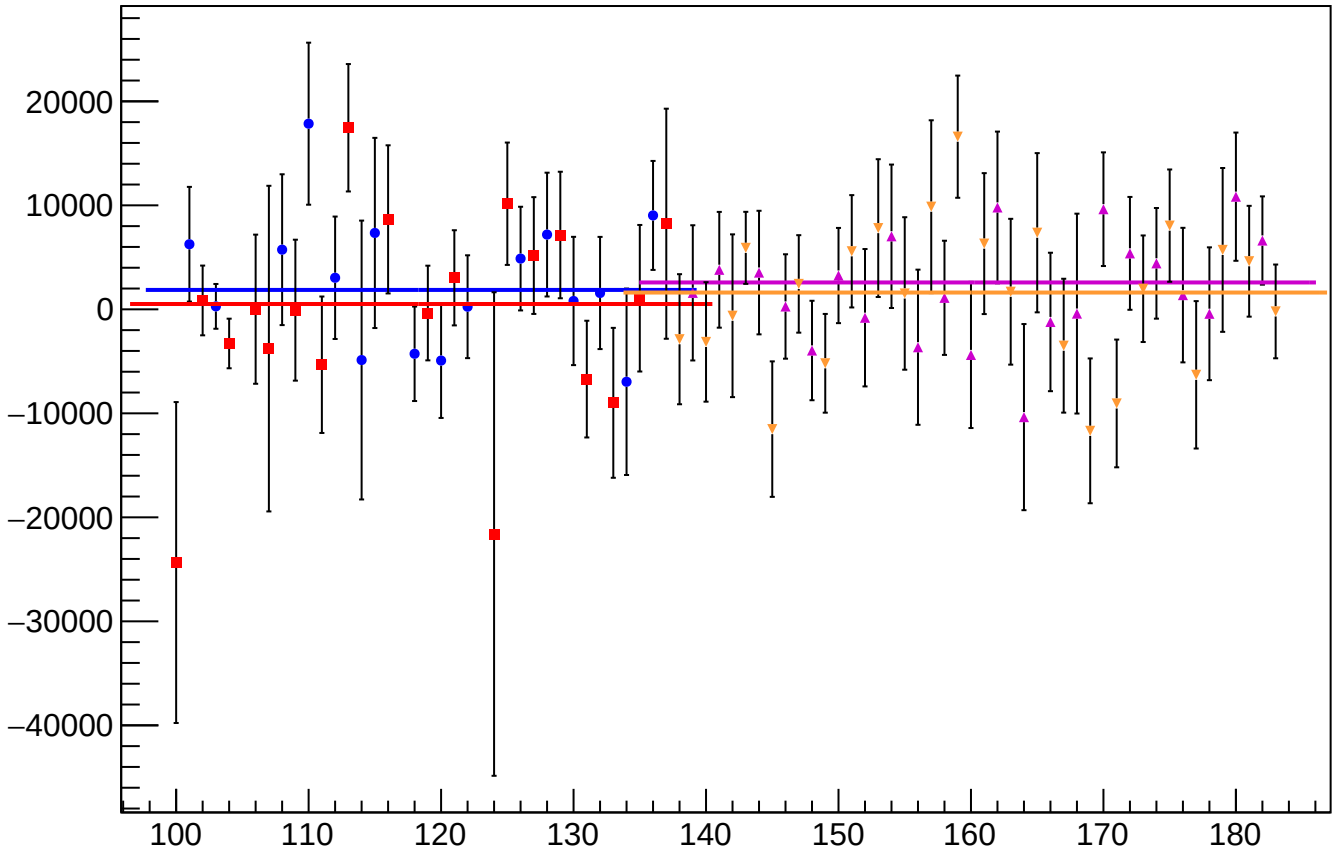
Left: 5069.239+/-0.605 χ^2/NDF: 3361732.1/45

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2958.617+/-0.504 χ^2/NDF:15191492.9/37

Out: 2323.532+/-0.416 χ^2/NDF:21488496.7/42

All: 2581.045+/-0.321 χ^2/NDF: 37625681.7/8



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1615.042+/-1185.526 χ^2/NDF:29.6/23

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: 2069.455+/-863.882 χ^2/NDF: 43.1/45

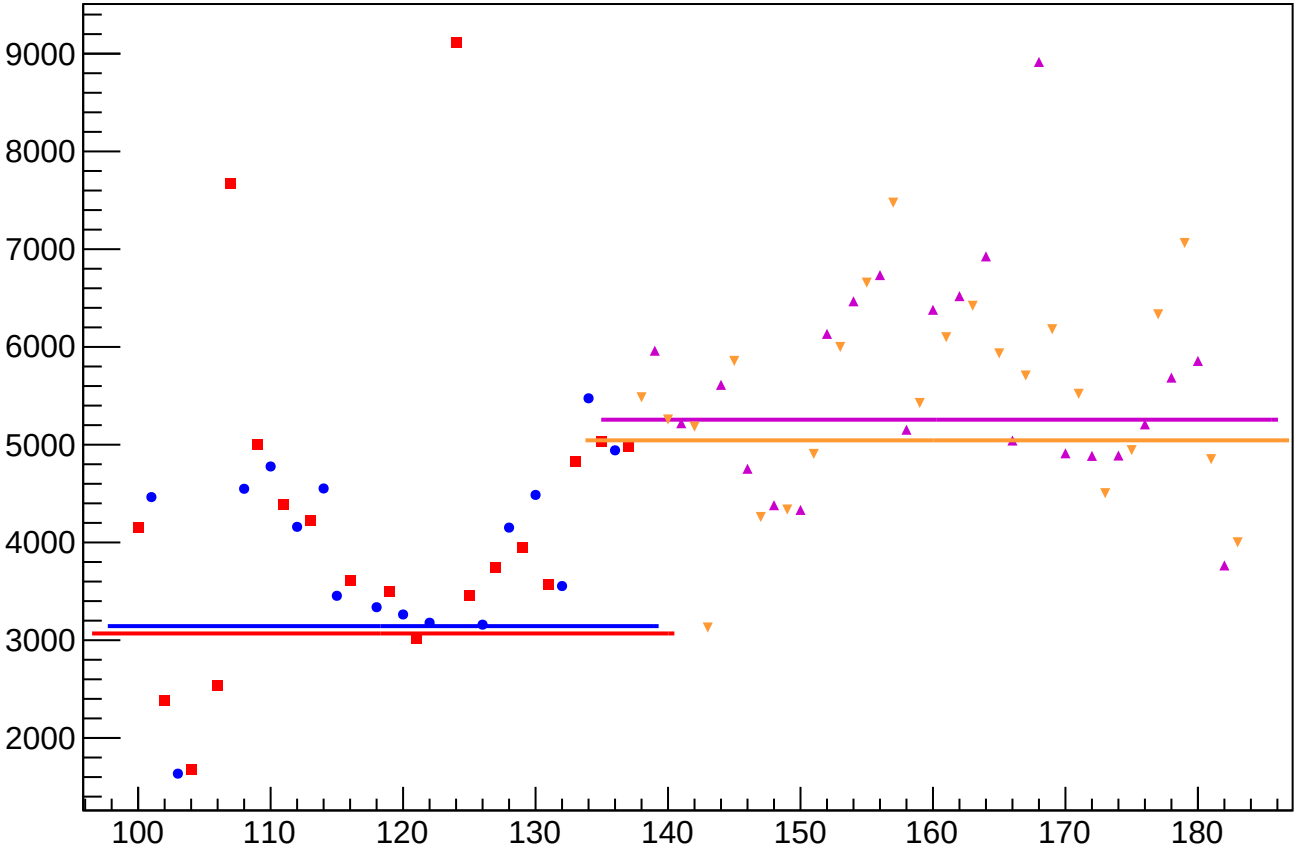
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 2224.631+/-891.172 χ^2/NDF:27.1/37

Out: 1089.204+/-857.403 χ^2/NDF:54.7/42

All: 1634.998+/-617.869 χ^2/NDF: 82.7/80

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5044.576+/-0.838 χ^2/NDF:1644665.5/23

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5255.728+/-0.892 χ^2/NDF:1150155.1/21

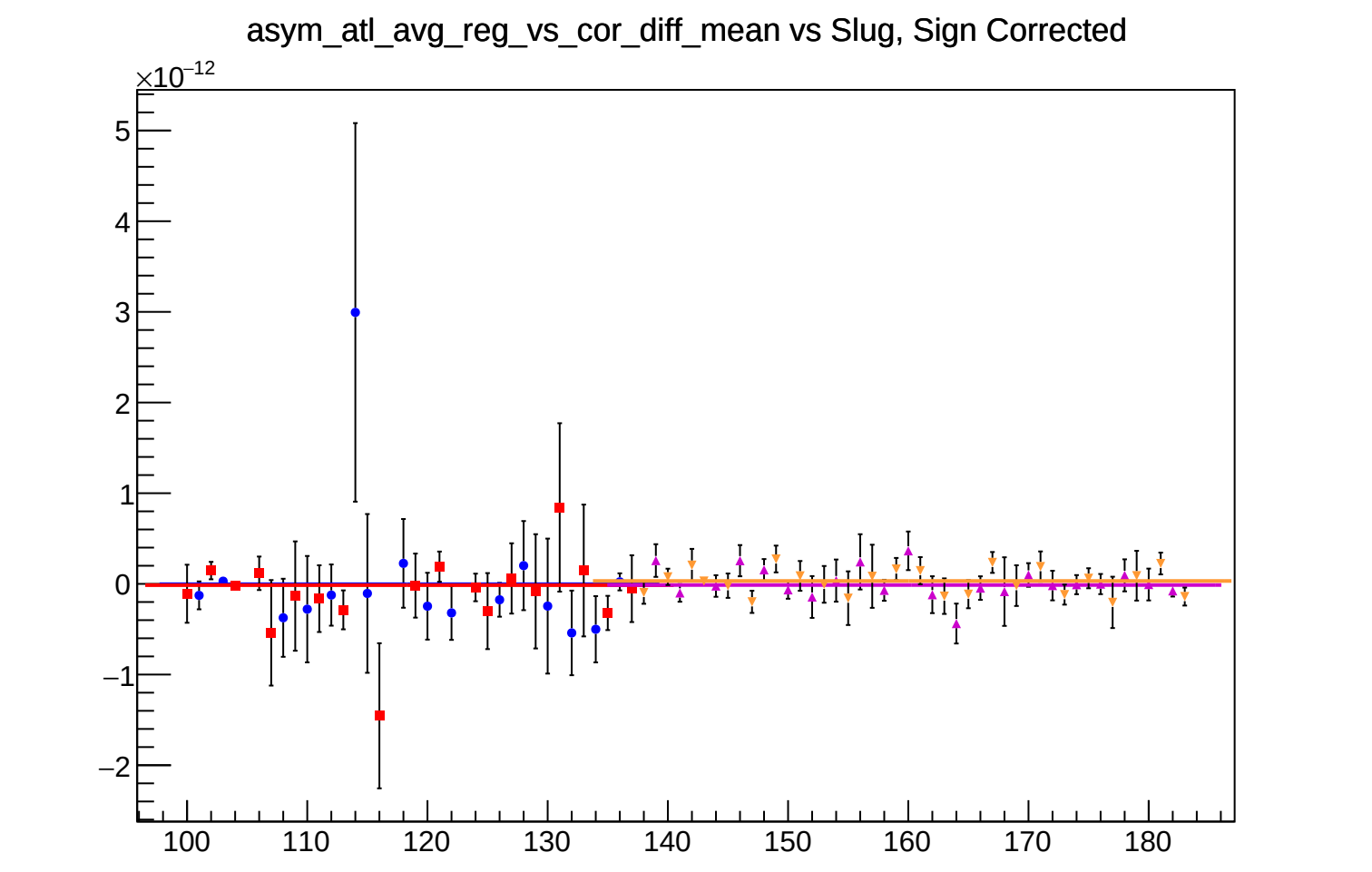
Left: 5143.609+/-0.611 χ^2/NDF: 2824577.1/45

Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 4198.052+/-0.630 χ^2/NDF:5840452.8/37

Out: 4086.895+/-0.602 χ^2/NDF:6218468.7/42

All: 4139.909+/-0.435 χ^2/NDF: 12075197.4/8



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:18.5/21

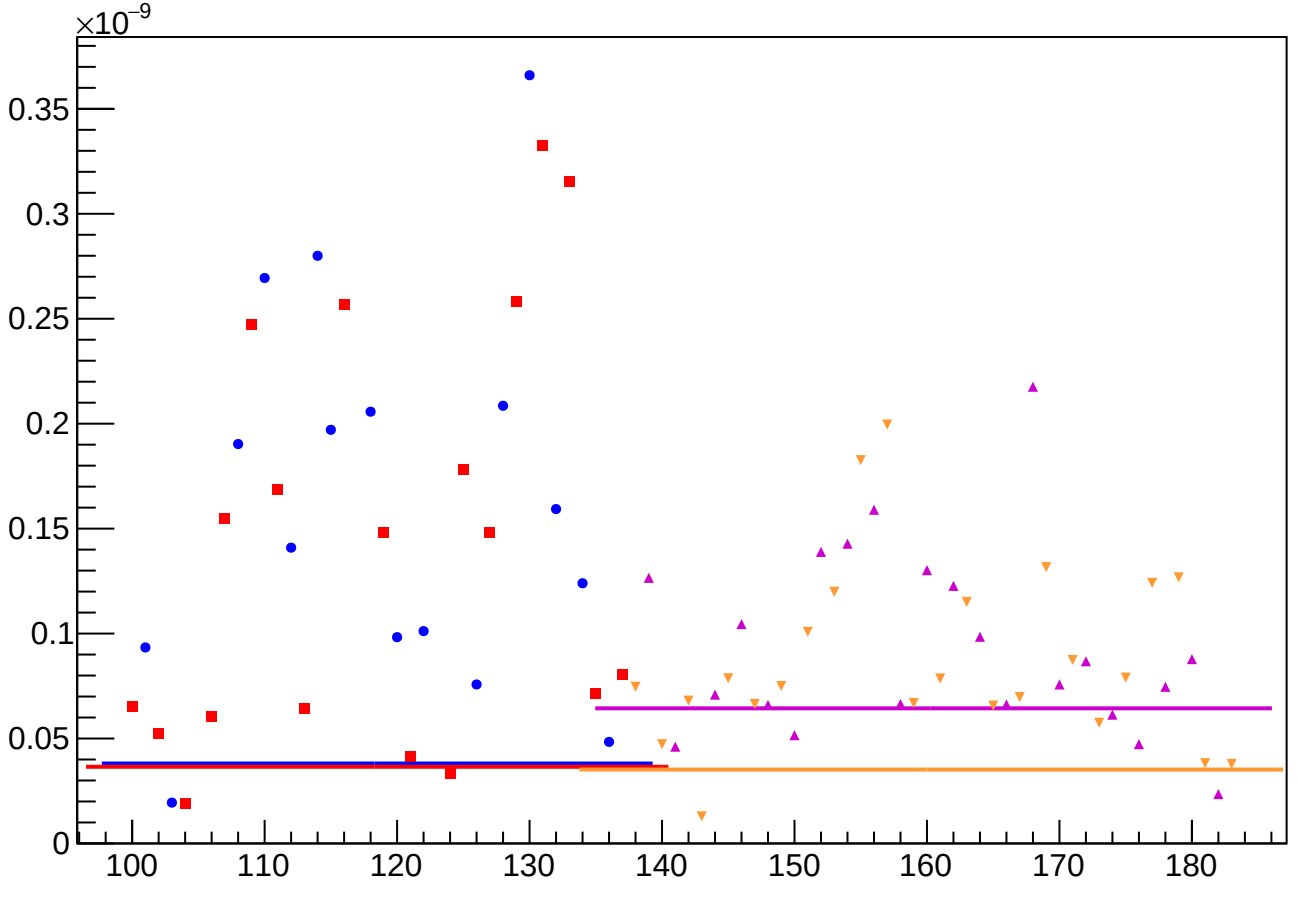
Left: 0.000+/-0.000 χ^2/NDF: 45.2/45

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: -0.000+/-0.000 χ^2/NDF:29.2/37

Out: 0.000+/-0.000 χ^2/NDF:41.4/42

All: 0.000+/-0.000 χ^2/NDF: 71.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6502971.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2809333.2/21

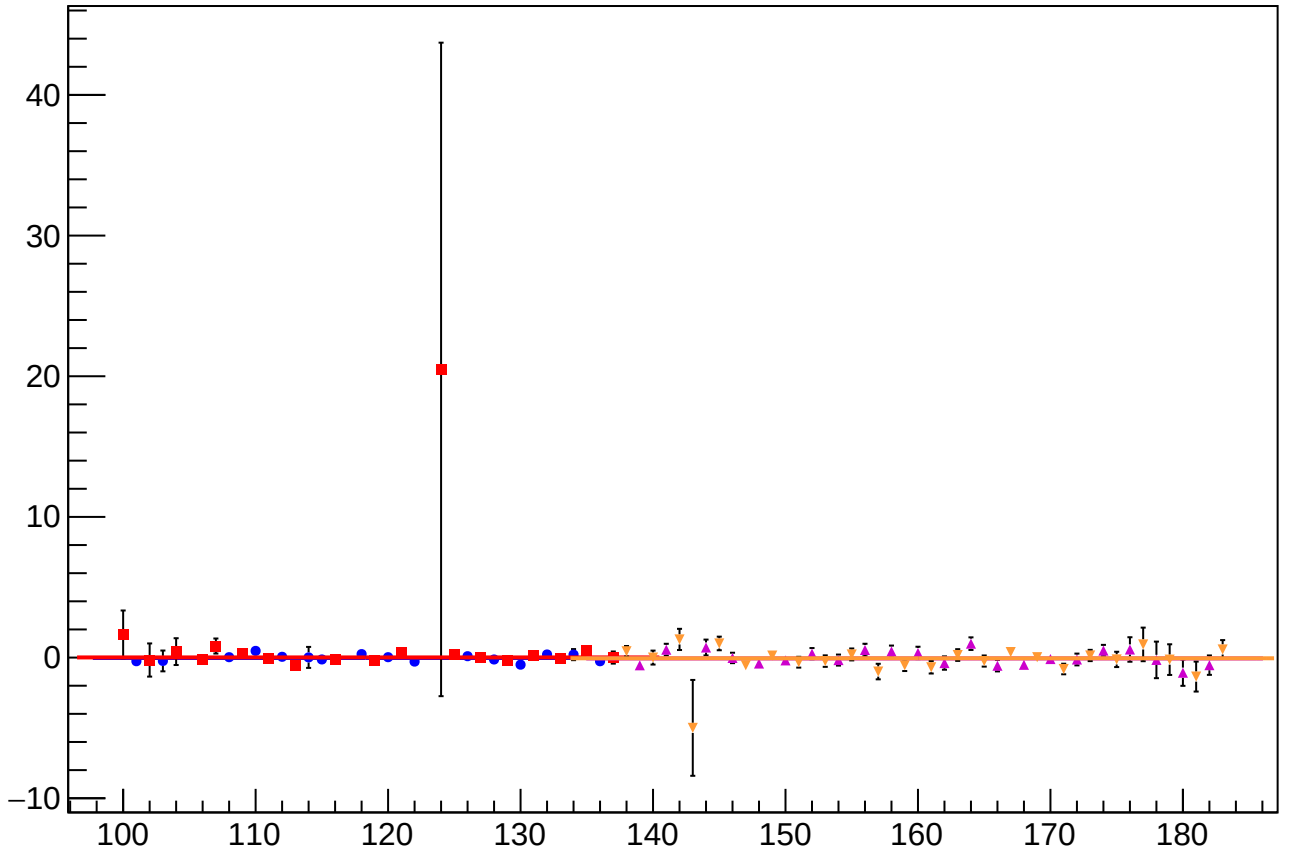
Left: 0.000+/-0.000 χ^2/NDF: 10813805.0/45

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:9188908.0/42

All: 0.000+/-0.000 χ^2/NDF: 16498379.0/80



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.050+/-0.085 χ^2/NDF:32.6/23

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: -0.056+/-0.059 χ^2/NDF: 60.6/45

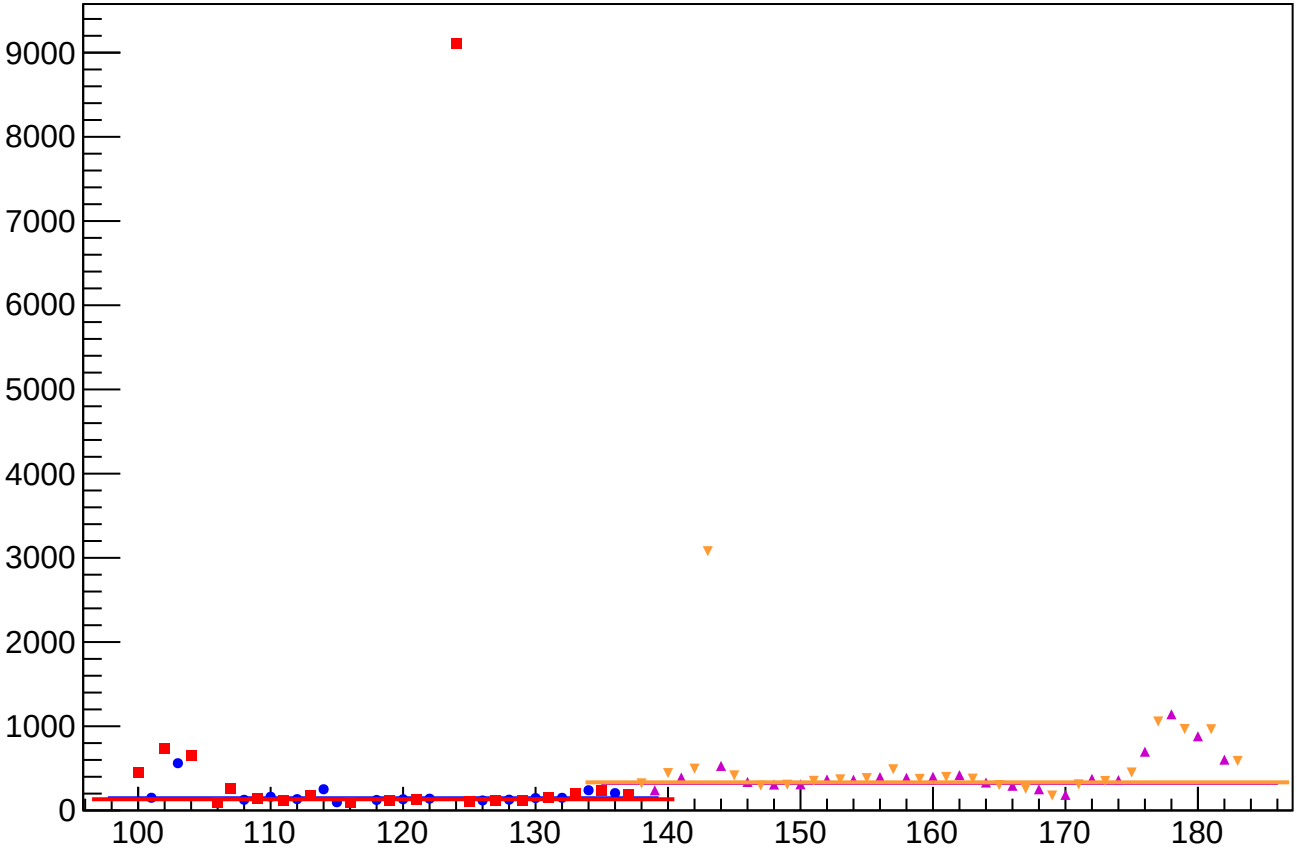
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.039+/-0.047 χ^2/NDF:45.3/37

Out: -0.008+/-0.047 χ^2/NDF:54.8/42

All: -0.023+/-0.033 χ^2/NDF: 100.3/80

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 333.851+/-0.060 χ^2/NDF:5774420.4/23

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: 329.951+/-0.042 χ^2/NDF: 9873463.7/45

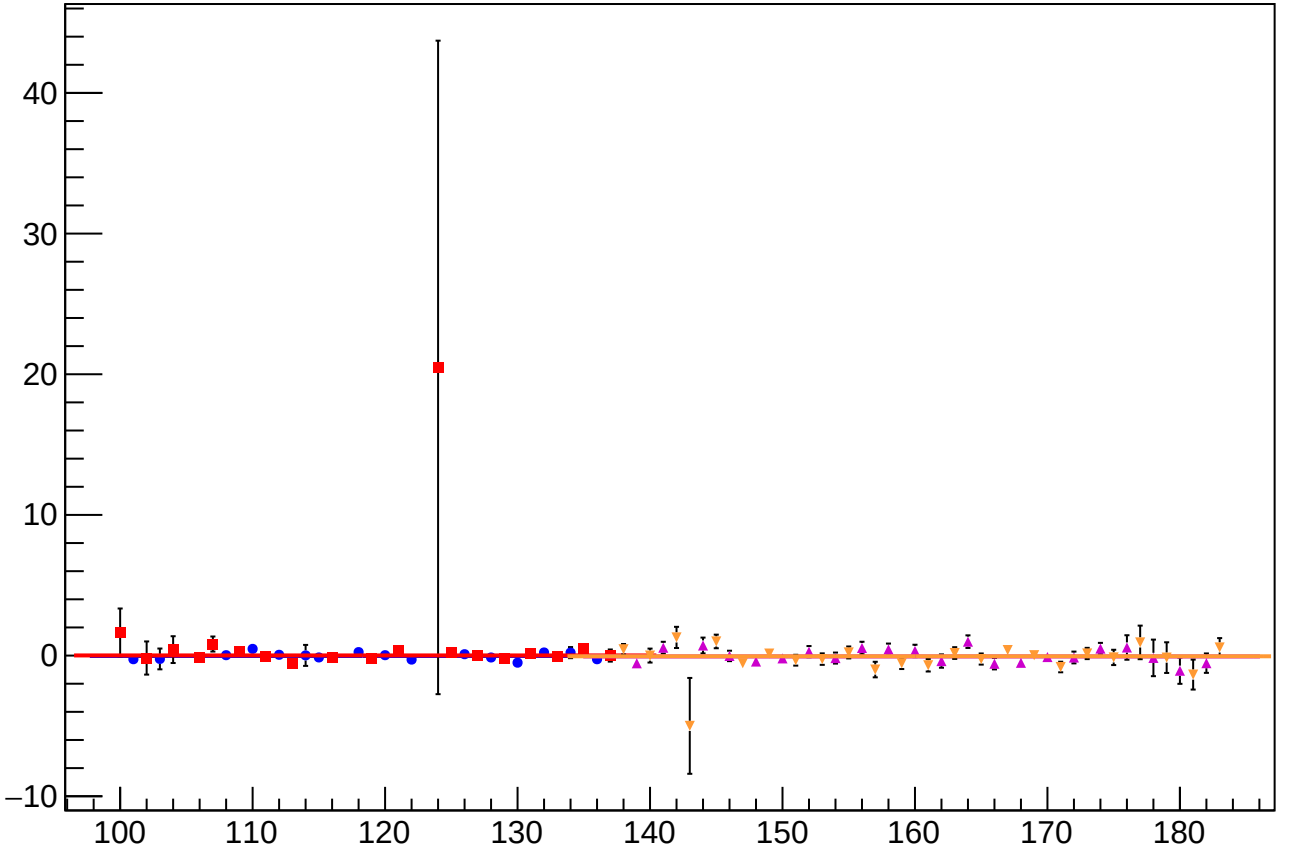
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 203.647+/-0.034 χ^2/NDF:11677907.6/37

Out: 194.870+/-0.033 χ^2/NDF:15735690.4/42

All: 199.219+/-0.024 χ^2/NDF: 27448102.8/80

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.050+/-0.085 χ^2/NDF:32.6/23

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: -0.056+/-0.059 χ^2/NDF: 60.6/45

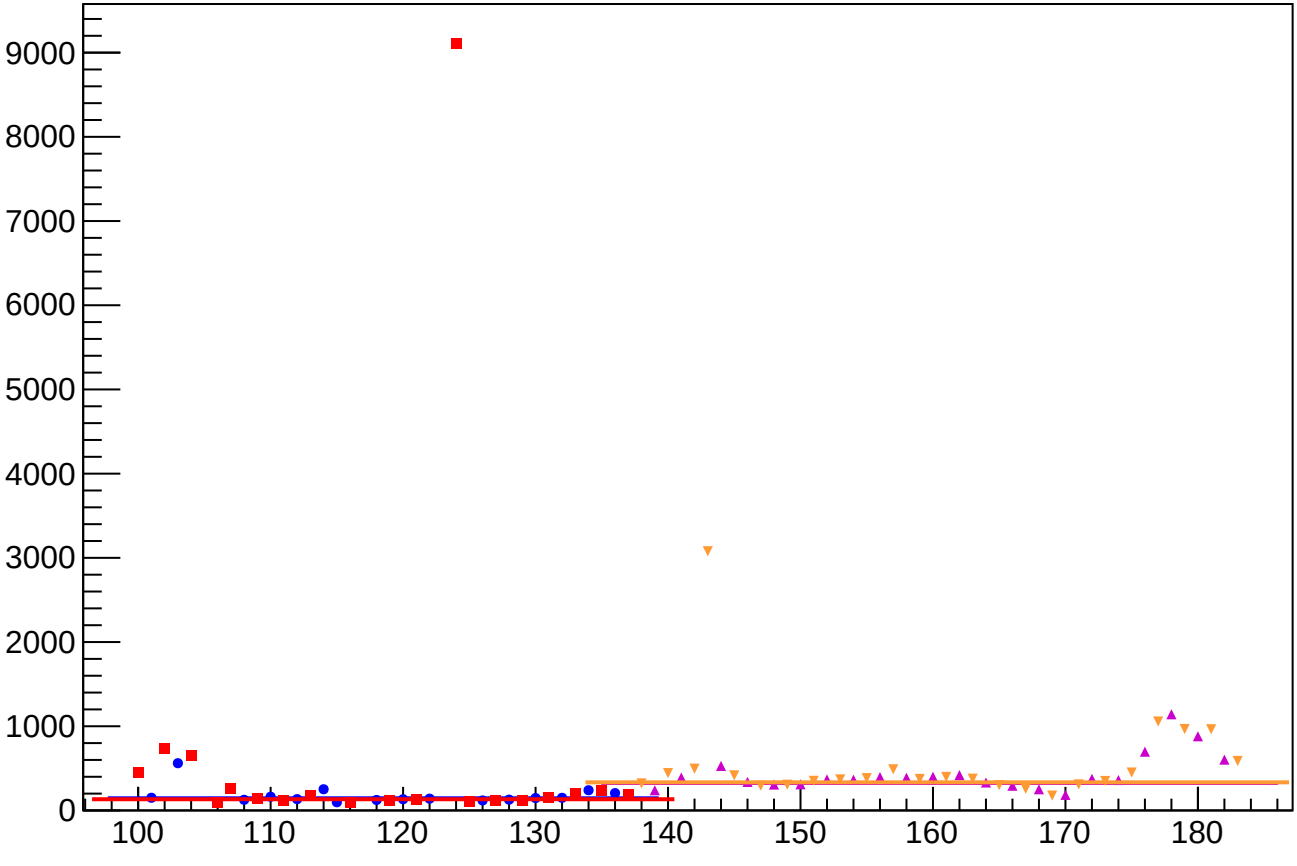
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.039+/-0.047 χ^2/NDF:45.3/37

Out: -0.008+/-0.047 χ^2/NDF:54.8/42

All: -0.023+/-0.033 χ^2/NDF: 100.3/80

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: 333.851+/-0.060 χ^2/NDF:5774420.4/23

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 326.213+/-0.059 χ^2/NDF:4090774.6/21

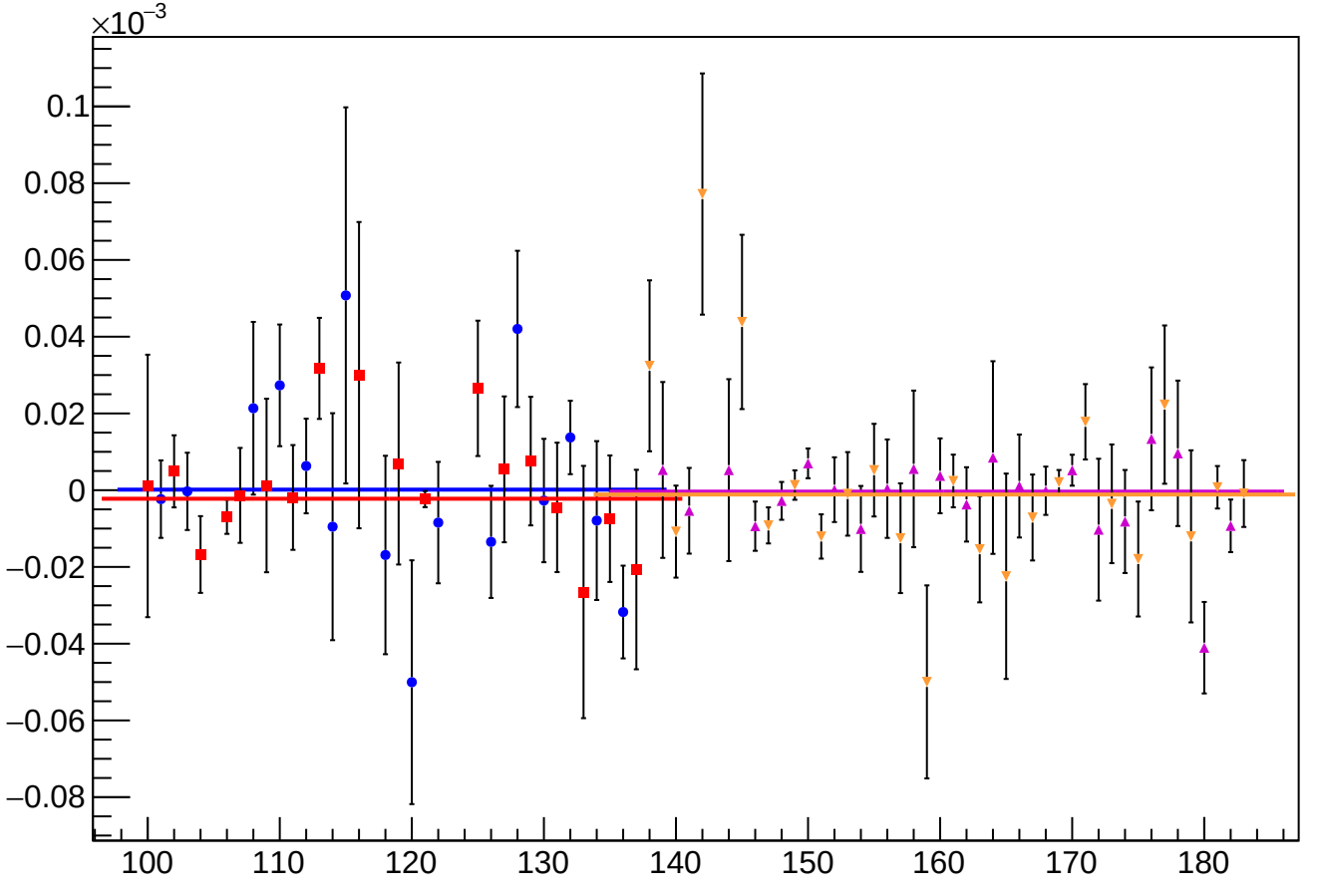
Left: 329.951+/-0.042 χ^2/NDF: 9873463.7/45

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 203.647+/-0.034 χ^2/NDF:11677907.6/37

Out: 194.870+/-0.033 χ^2/NDF:15735690.4/42

All: 199.219+/-0.024 χ^2/NDF: 27448102.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.6/22

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: -0.000+/-0.000 χ^2/NDF:24.1/21

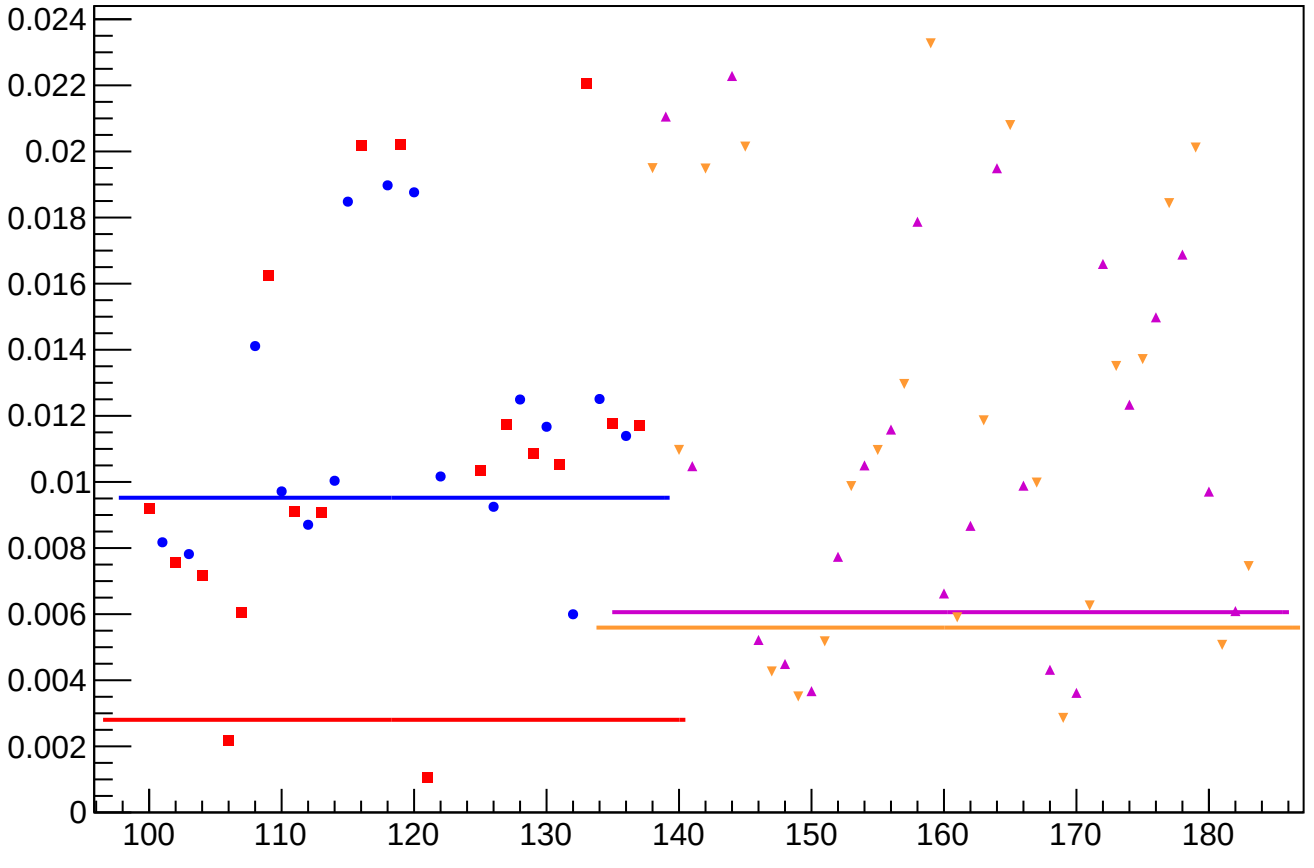
Left: -0.000+/-0.000 χ^2/NDF: 58.8/44

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: -0.000+/-0.000 χ^2/NDF:46.9/37

Out: -0.000+/-0.000 χ^2/NDF:50.4/40

All: -0.000+/-0.000 χ^2/NDF: 97.8/78



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:11057326.5/22

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: 19832385.9/44

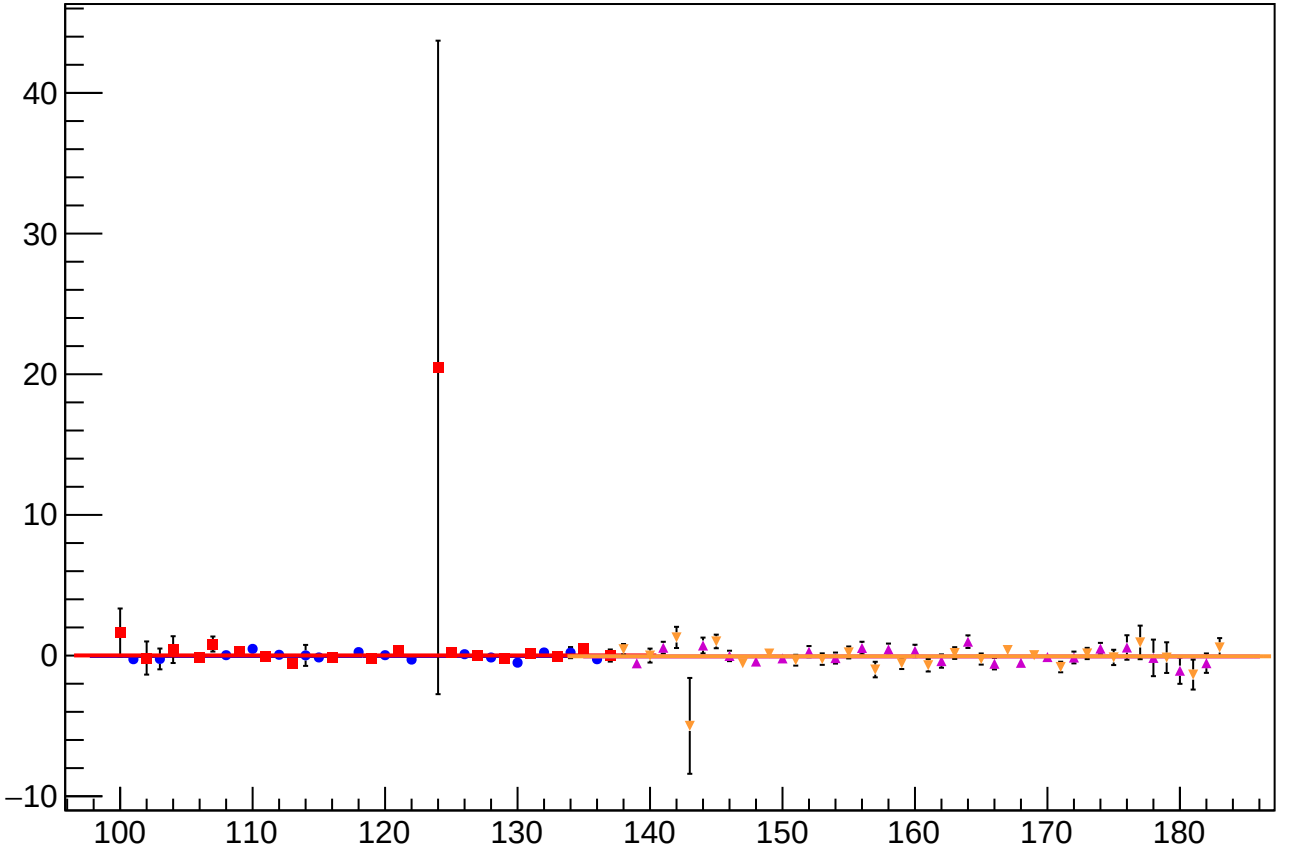
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:11238246.8/37

Out: 0.004+/-0.000 χ^2/NDF:22412317.9/40

All: 0.005+/-0.000 χ^2/NDF: 36606887.9/78

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.050+/-0.085 χ^2/NDF:32.6/23

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: -0.056+/-0.059 χ^2/NDF: 60.6/45

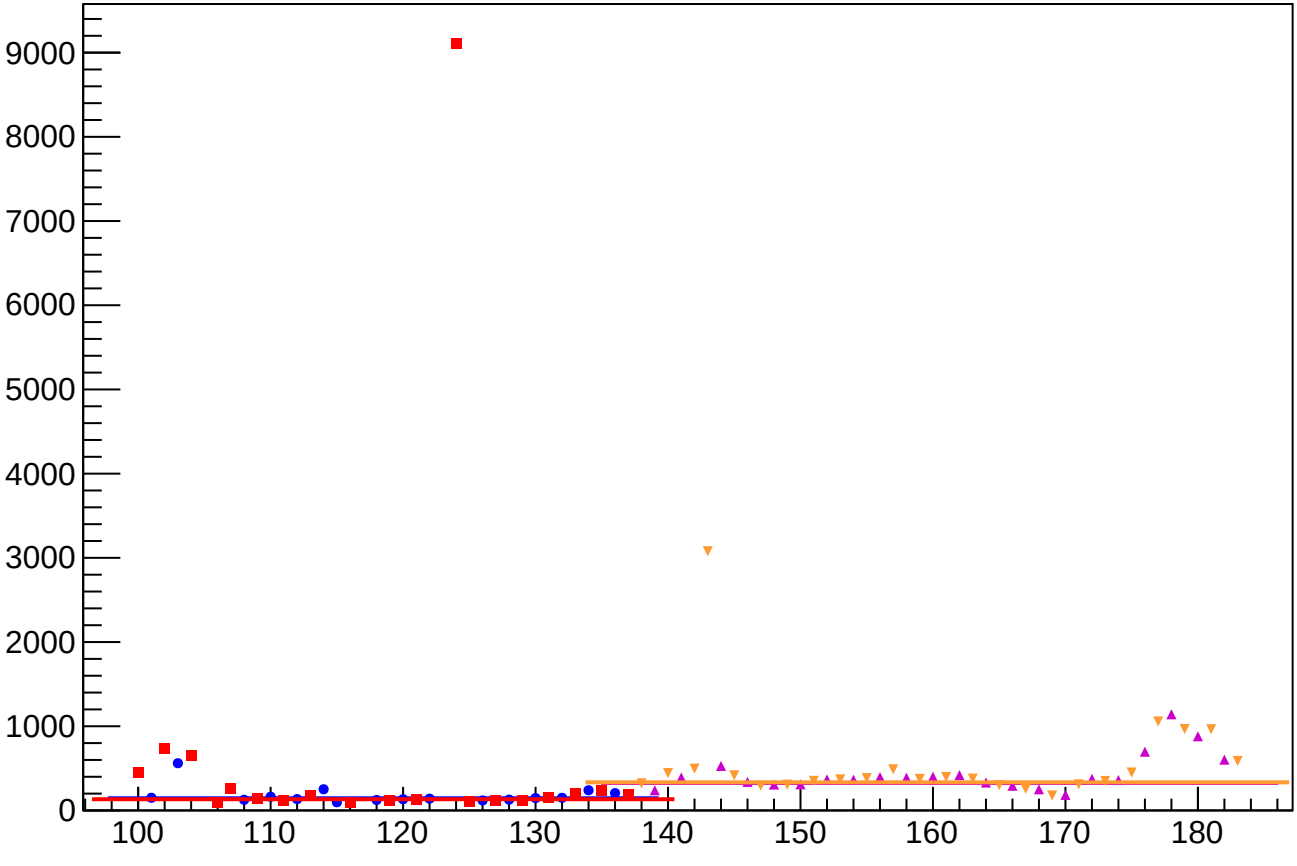
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.039+/-0.047 χ^2/NDF:45.3/37

Out: -0.008+/-0.047 χ^2/NDF:54.8/42

All: -0.023+/-0.033 χ^2/NDF: 100.3/80

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 333.853+/-0.060 χ^2/NDF:5774485.6/23

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: 329.954+/-0.042 χ^2/NDF: 9873531.2/45

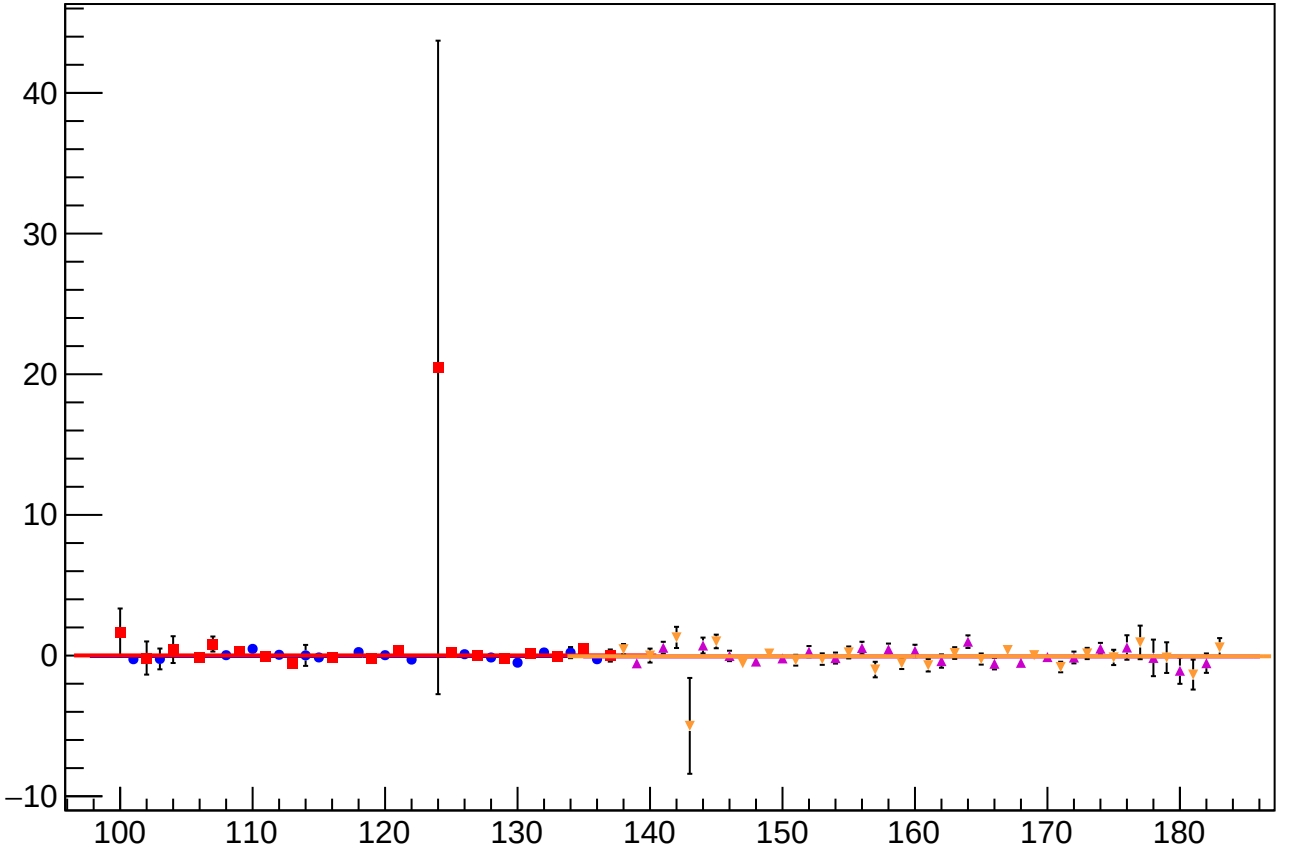
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 203.646+/-0.034 χ^2/NDF:11678202.2/37

Out: 194.869+/-0.033 χ^2/NDF:15735878.9/42

All: 199.218+/-0.024 χ^2/NDF: 27448581.8/80

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.050+/-0.085 χ^2/NDF:32.6/23

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: -0.056+/-0.059 χ^2/NDF: 60.6/45

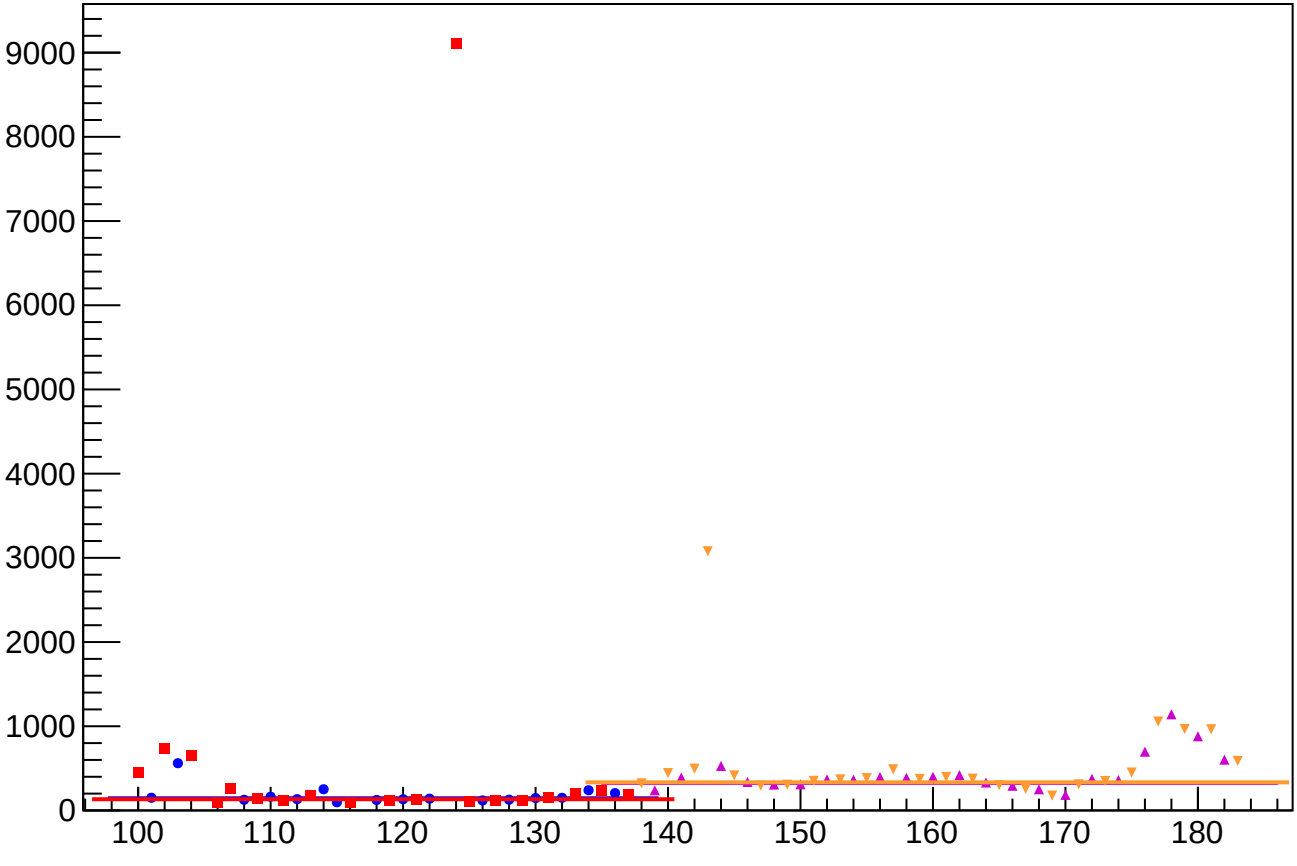
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.039+/-0.047 χ^2/NDF:45.3/37

Out: -0.008+/-0.047 χ^2/NDF:54.8/42

All: -0.023+/-0.033 χ^2/NDF: 100.3/80

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: 333.853+/-0.060 χ^2/NDF:5774485.6/23

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 326.216+/-0.059 χ^2/NDF:4090778.7/21

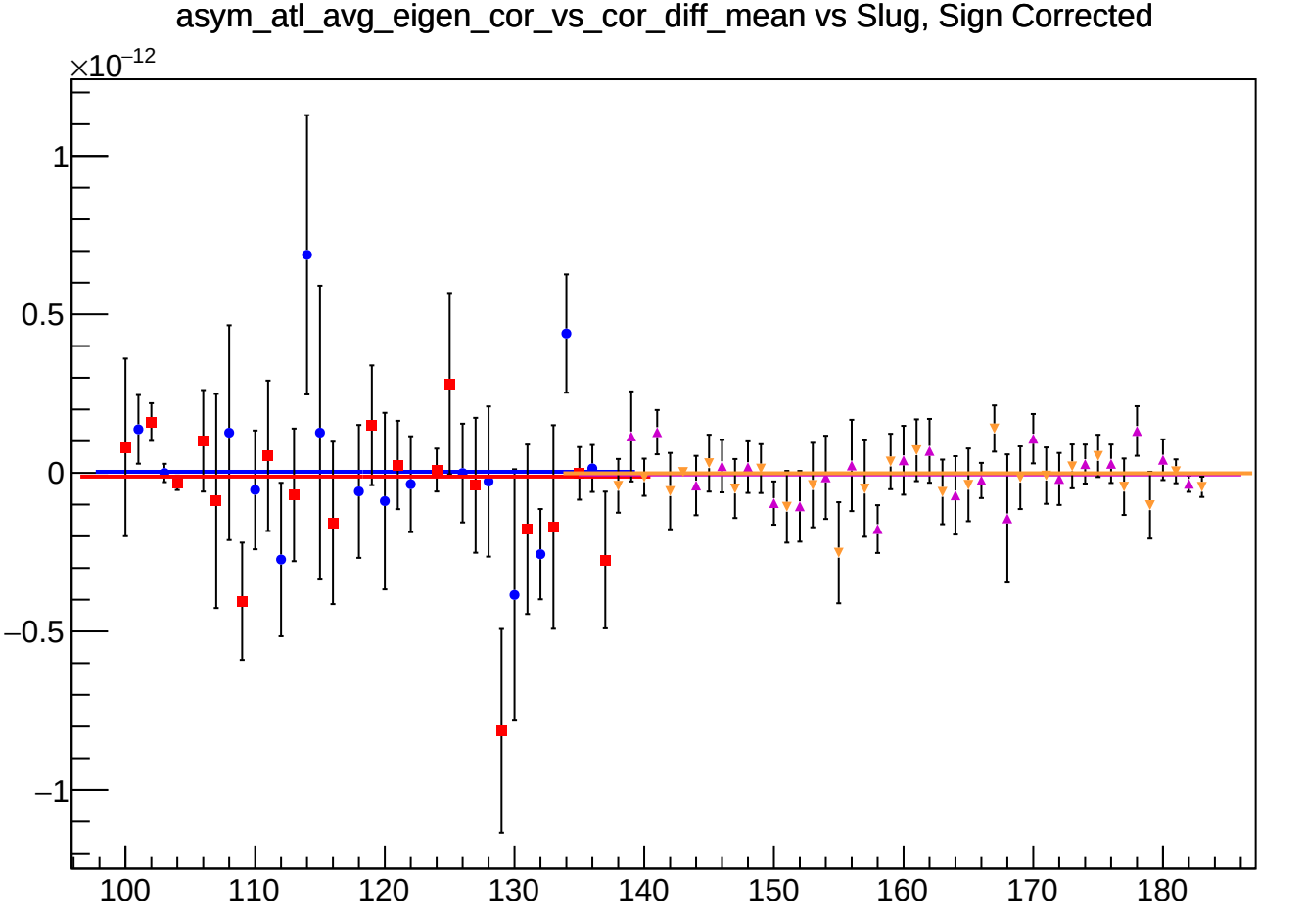
Left: 329.954+/-0.042 χ^2/NDF: 9873531.2/45

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 203.646+/-0.034 χ^2/NDF:11678202.2/37

Out: 194.869+/-0.033 χ^2/NDF:15735878.9/42

All: 199.218+/-0.024 χ^2/NDF: 27448581.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:21.8/21

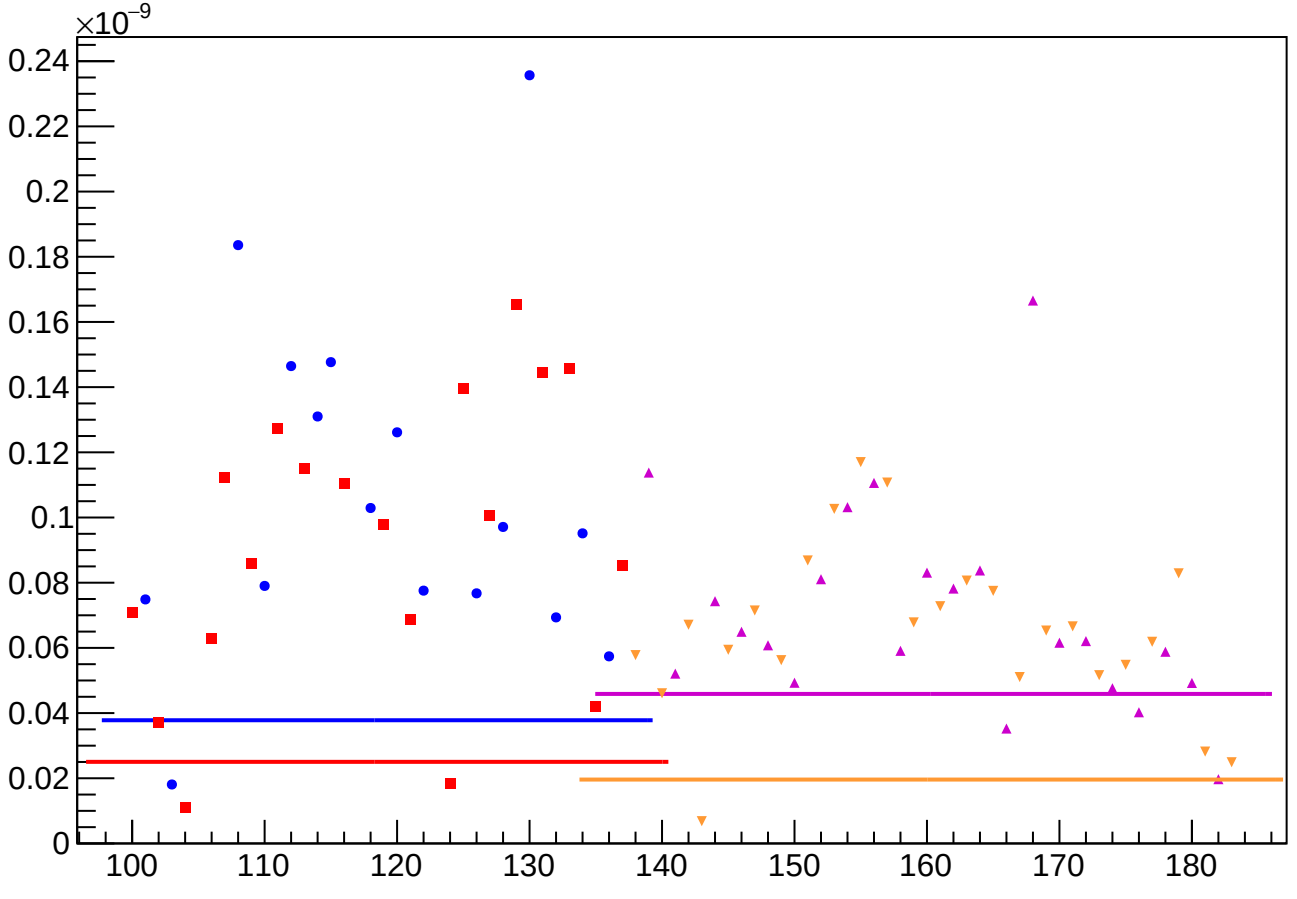
Left: -0.000+/-0.000 χ^2/NDF: 35.1/45

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:38.7/42

All: -0.000+/-0.000 χ^2/NDF: 76.2/80



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14874665.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:5654103.1/21

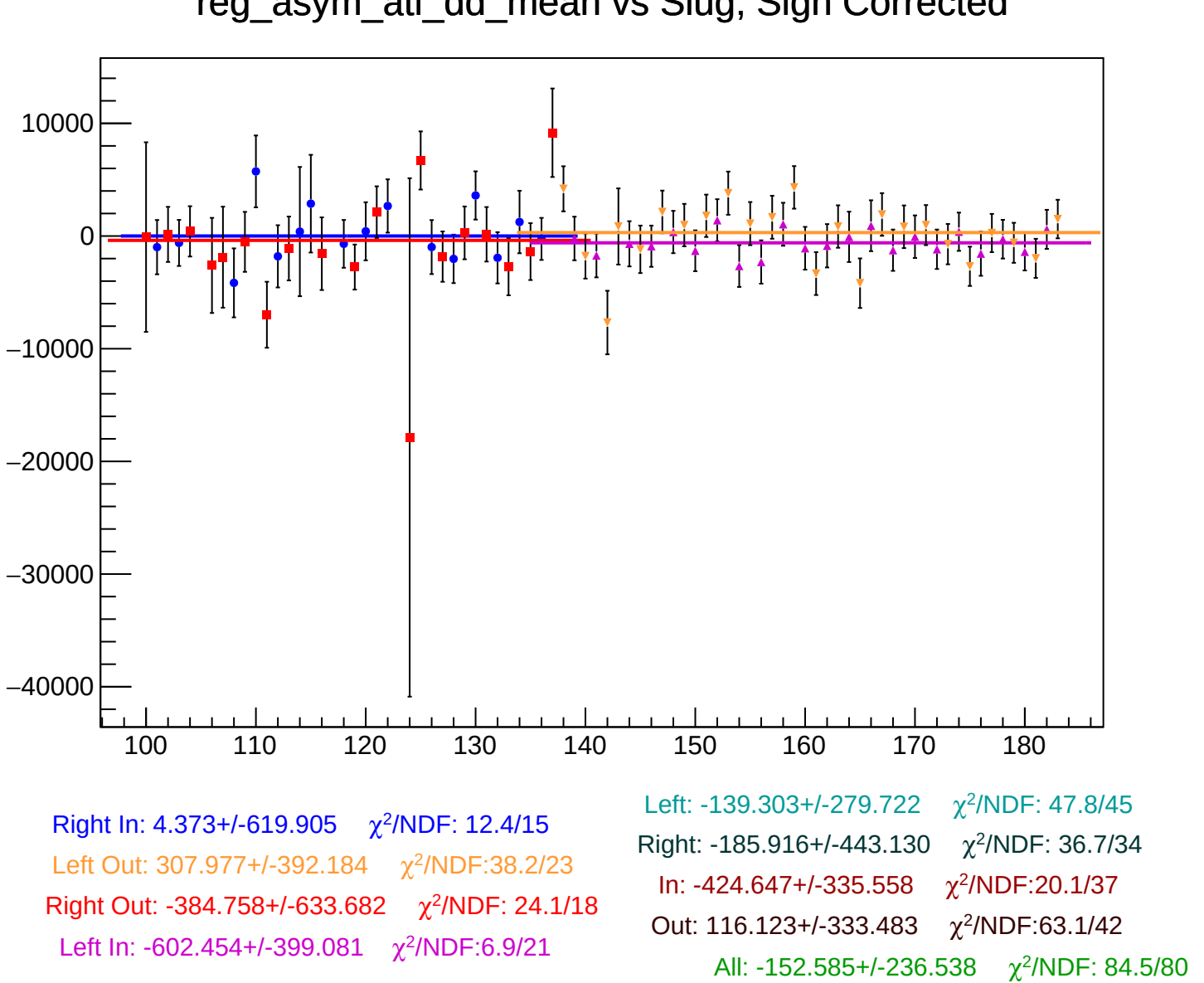
Left: 0.000+/-0.000 χ^2/NDF: 25360884.2/45

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

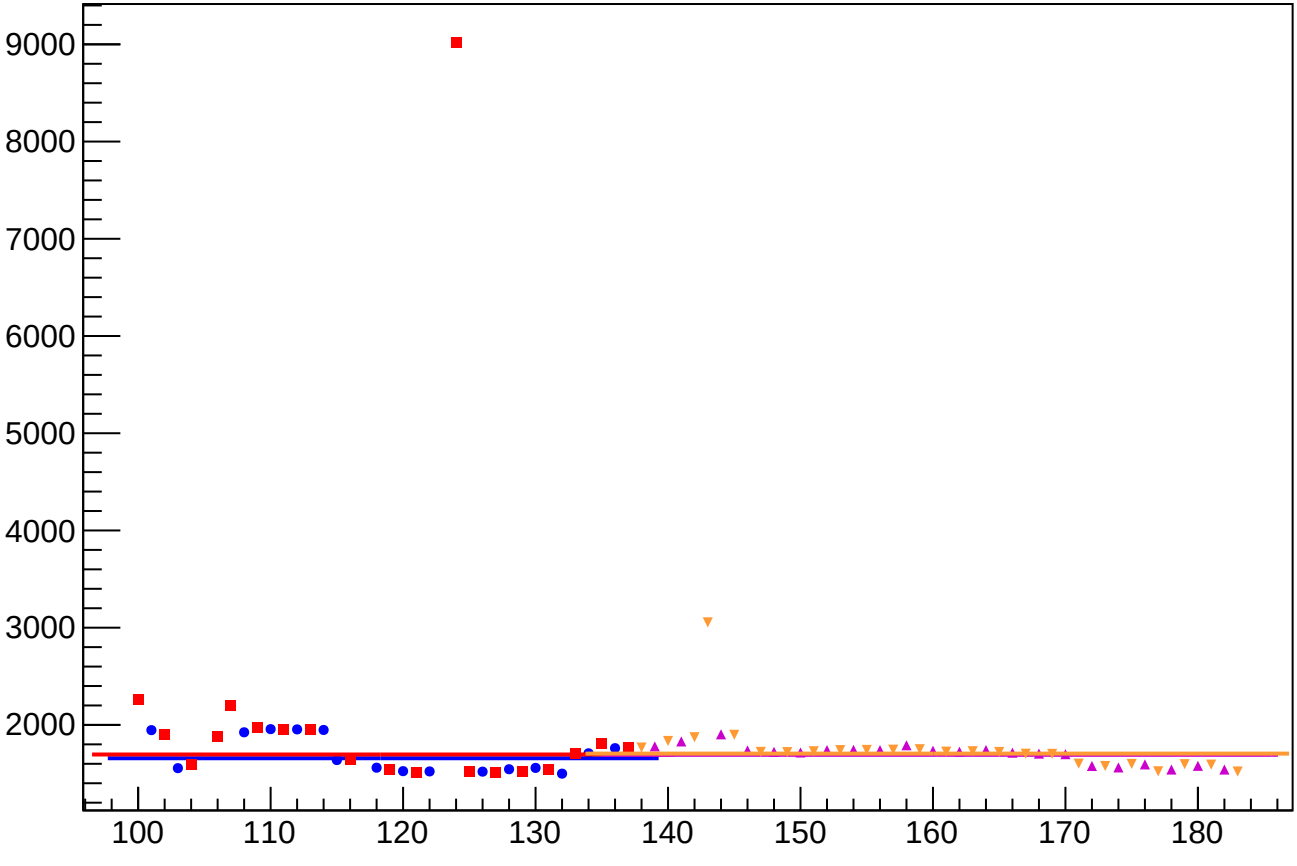
In: 0.000+/-0.000 χ^2/NDF:9762430.9/37

Out: 0.000+/-0.000 χ^2/NDF:19719024.7/42

All: 0.000+/-0.000 χ^2/NDF: 34465782.4/80


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: 307.977+/-392.184 χ²/NDF:38.2/23
Right Out: -384.758+/-633.682 χ²/NDF: 24.1/18
Left In: -602.454+/-399.081 χ²/NDF:6.9/21
Left: -139.303+/-279.722 χ²/NDF: 47.8/45
Right: -185.916+/-443.130 χ²/NDF: 36.7/34
In: -424.647+/-335.558 χ²/NDF:20.1/37
Out: 116.123+/-333.483 χ²/NDF:63.1/42
All: -152.585+/-236.538 χ²/NDF: 84.5/80

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1704.783+/-0.277 χ^2/NDF:444563.2/23

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1692.424+/-0.282 χ^2/NDF:115961.2/21

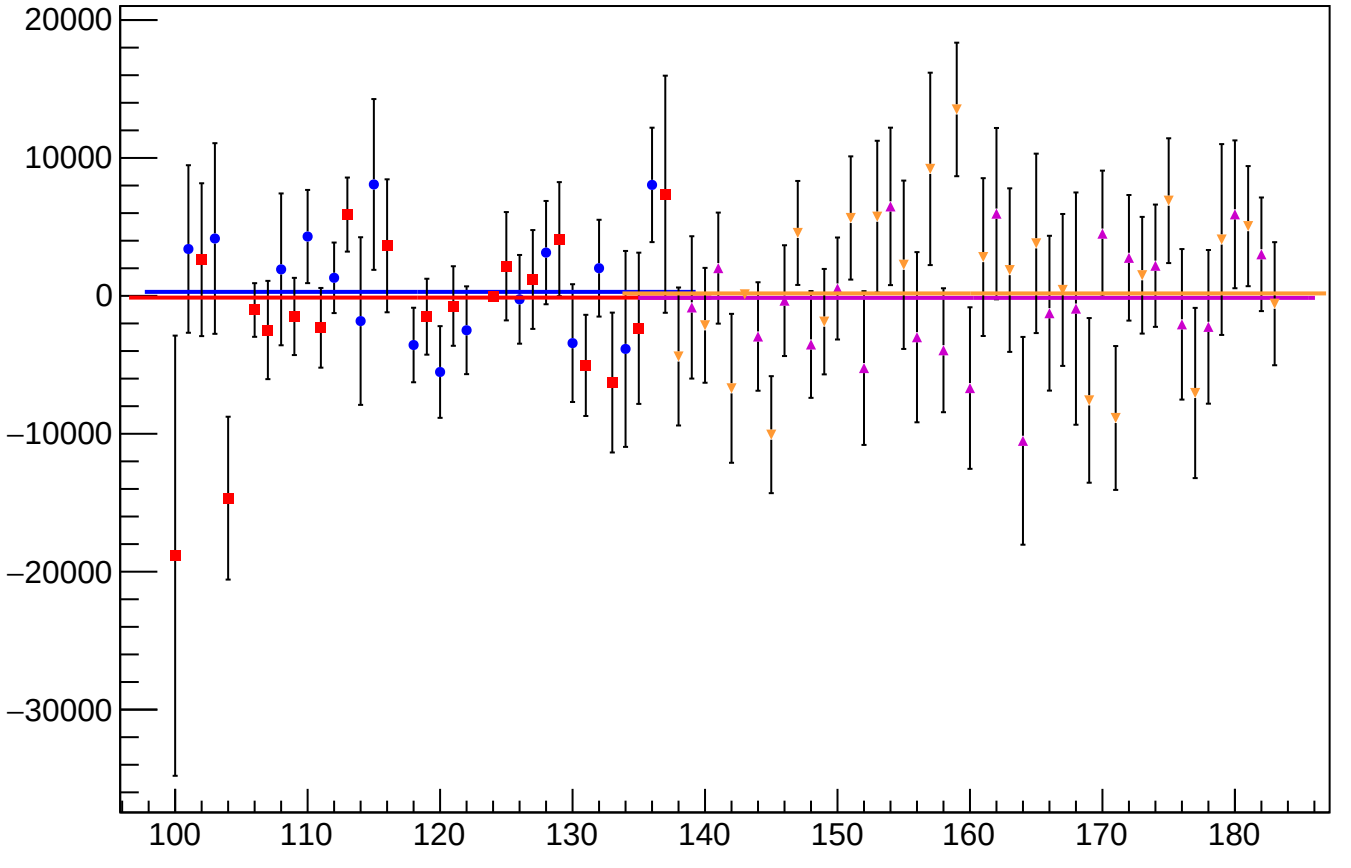
Left: 1698.711+/-0.198 χ^2/NDF: 561500.2/45

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1682.079+/-0.237 χ^2/NDF:264530.0/37

Out: 1702.237+/-0.236 χ^2/NDF:831081.9/42

All: 1692.233+/-0.167 χ^2/NDF: 1099247.4/80



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 177.225+/-343.466 χ^2/NDF:32.7/23

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -145.188+/-1037.301 χ^2/NDF:12.7/21

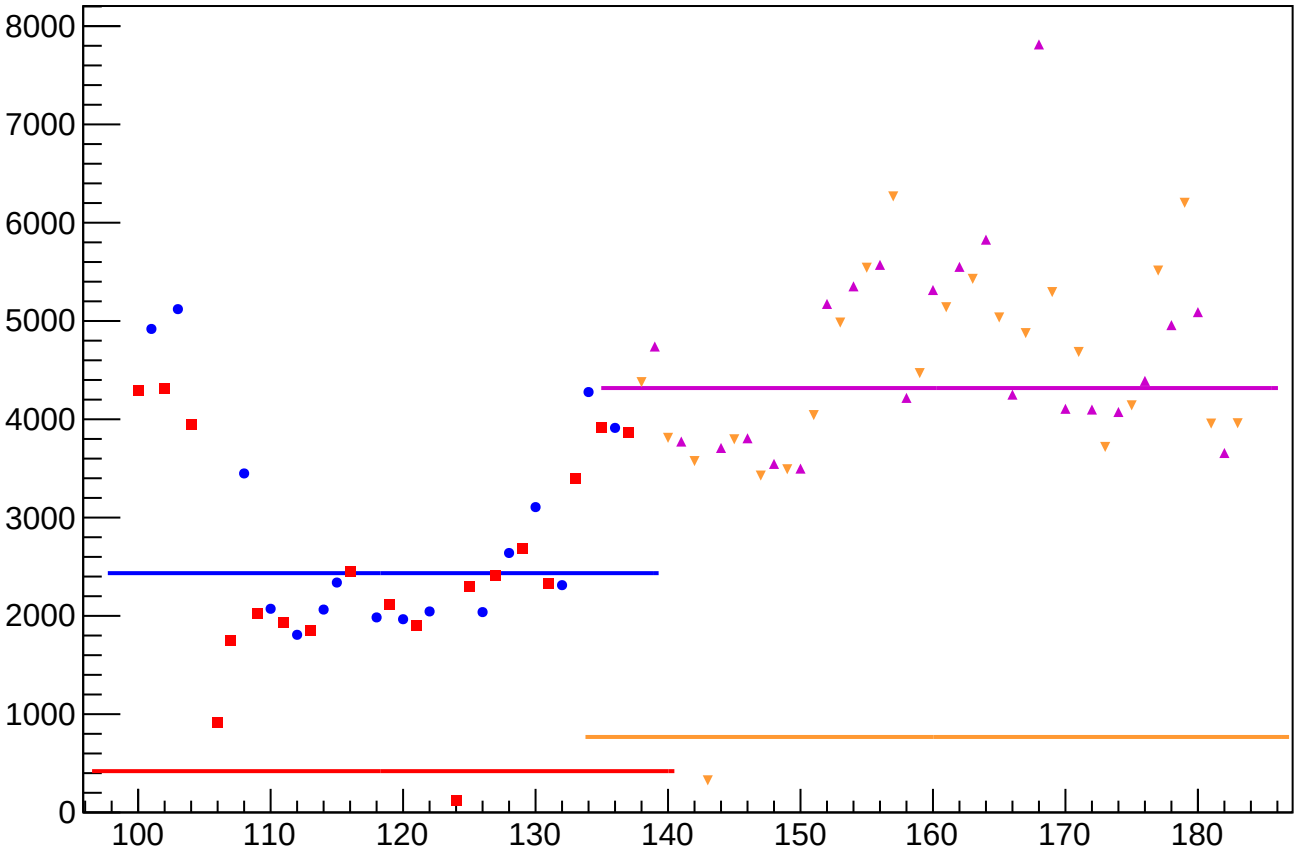
Left: 145.369+/-326.057 χ^2/NDF: 45.6/45

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: 88.586+/-704.990 χ^2/NDF:28.0/37

Out: 16.863+/-235.574 χ^2/NDF:54.0/42

All: 24.067+/-223.430 χ^2/NDF: 82.1/80



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 768.024+/-0.243 χ^2/NDF:27750432.2/23

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: 1118.754+/-0.231 χ^2/NDF: 50058692.5/45

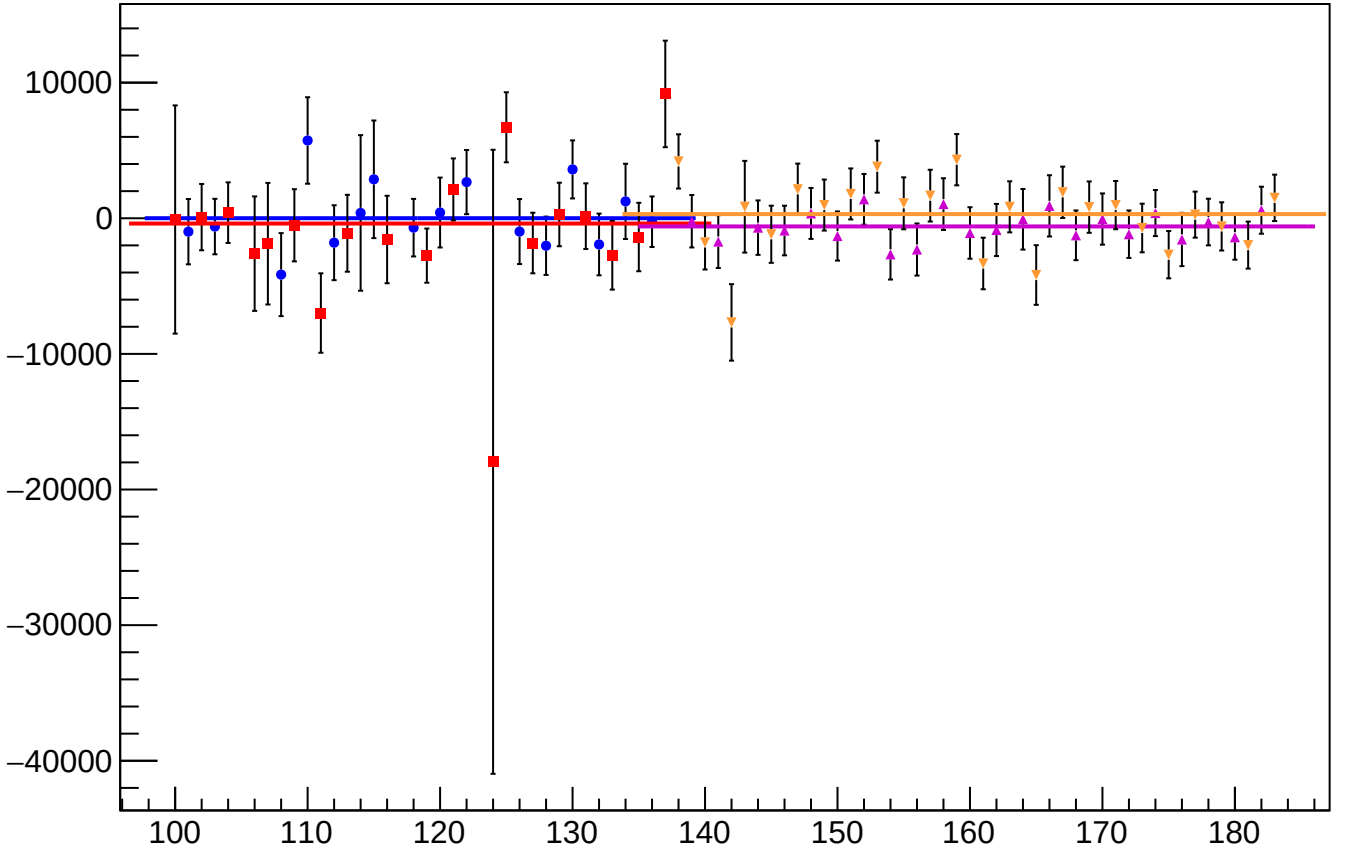
Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3304.444+/-0.499 χ^2/NDF:6205716.7/37

Out: 583.873+/-0.167 χ^2/NDF:39900036.8/42

All: 857.134+/-0.158 χ^2/NDF: 72898217.3/80

cor_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 307.959+/-392.184 χ^2/NDF:38.2/23

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: -139.296+/-279.722 χ^2/NDF: 47.8/45

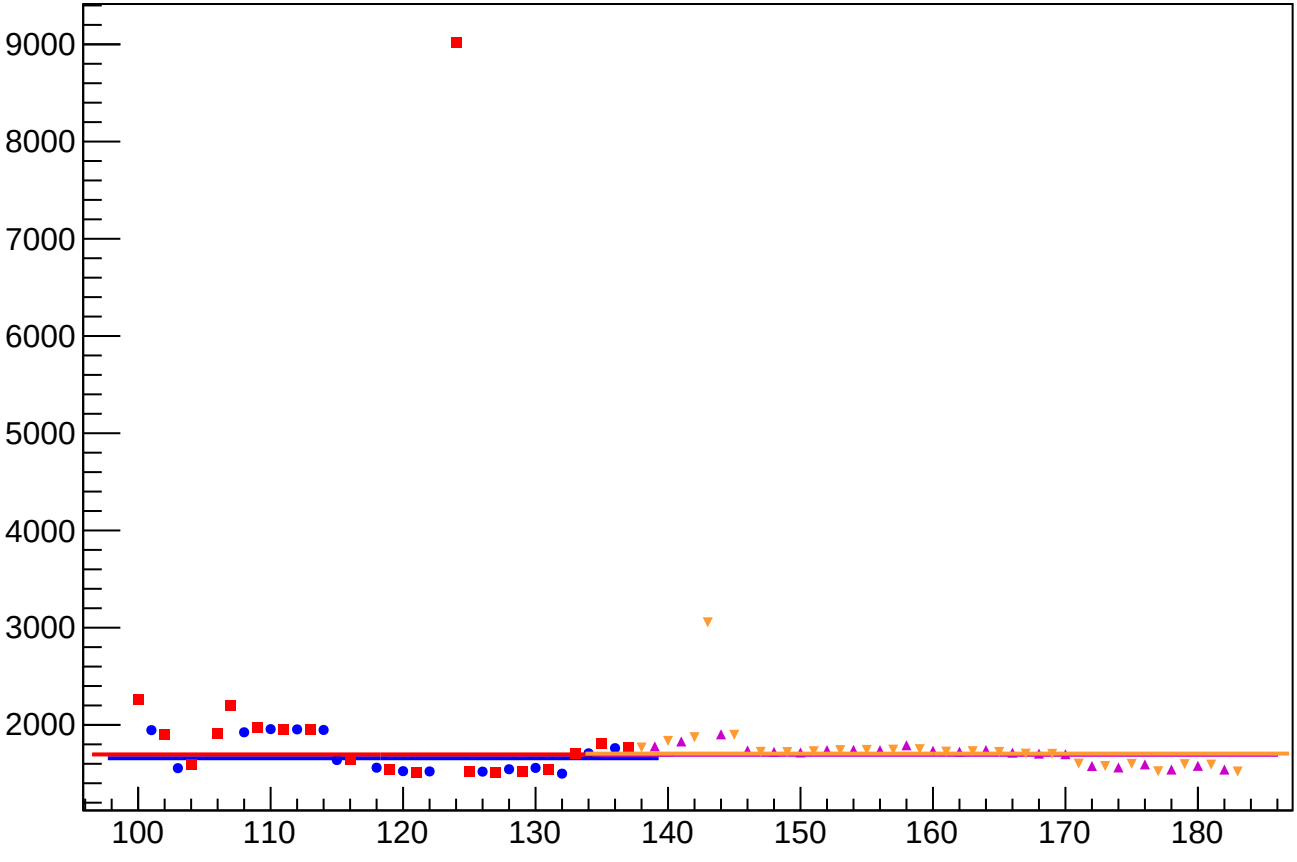
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -424.646+/-335.558 χ^2/NDF:20.1/37

Out: 114.923+/-333.484 χ^2/NDF:63.1/42

All: -153.189+/-236.538 χ^2/NDF: 84.5/80

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1704.783+/-0.277 χ^2/NDF:444563.2/23

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1692.424+/-0.282 χ^2/NDF:115961.2/21

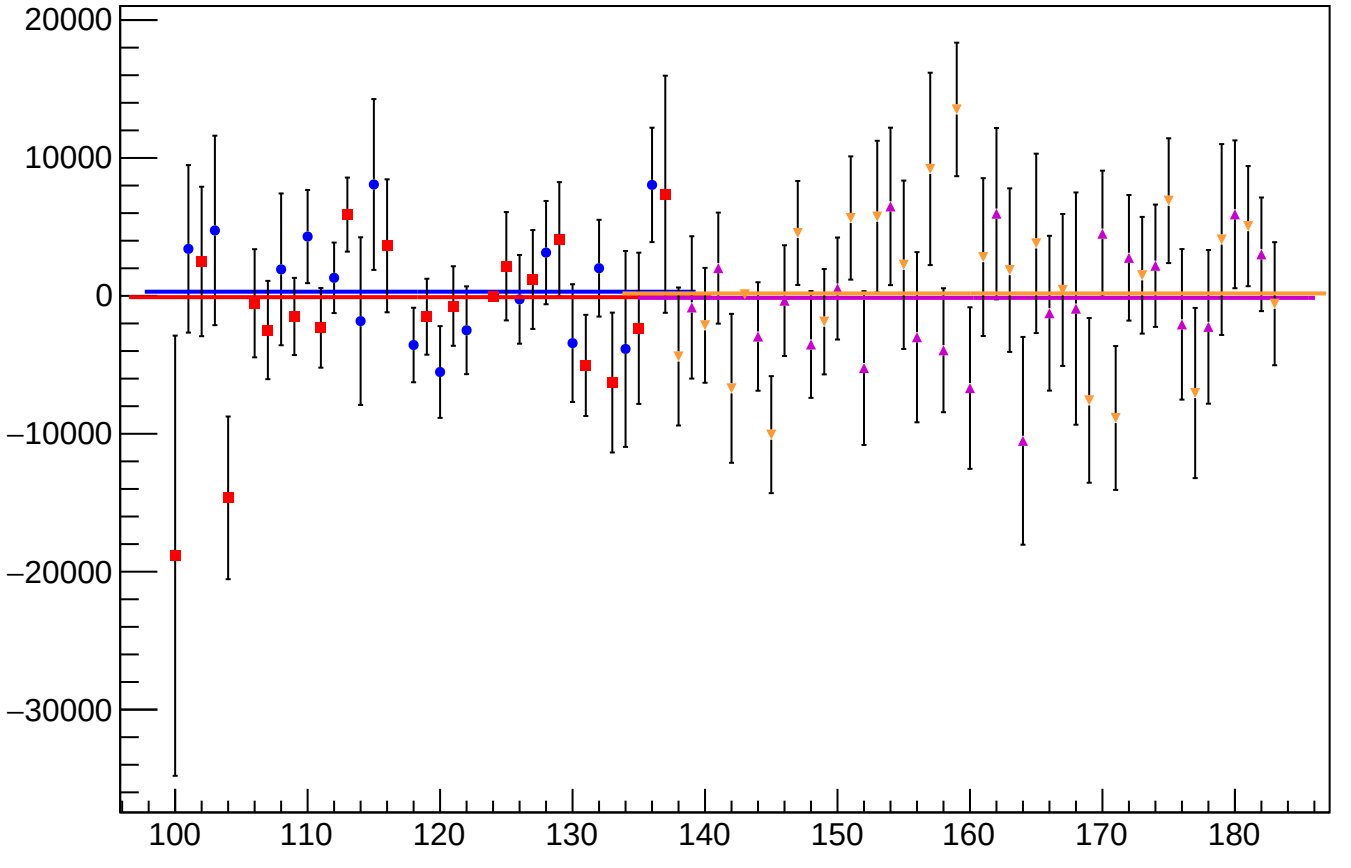
Left: 1698.711+/-0.198 χ^2/NDF: 561500.2/45

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1682.079+/-0.237 χ^2/NDF:264530.0/37

Out: 1702.459+/-0.236 χ^2/NDF:832789.7/42

All: 1692.344+/-0.167 χ^2/NDF: 1101035.6/80



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 177.639+/-343.442 χ^2/NDF:32.7/23

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -145.233+/-1037.300 χ^2/NDF:12.7/21

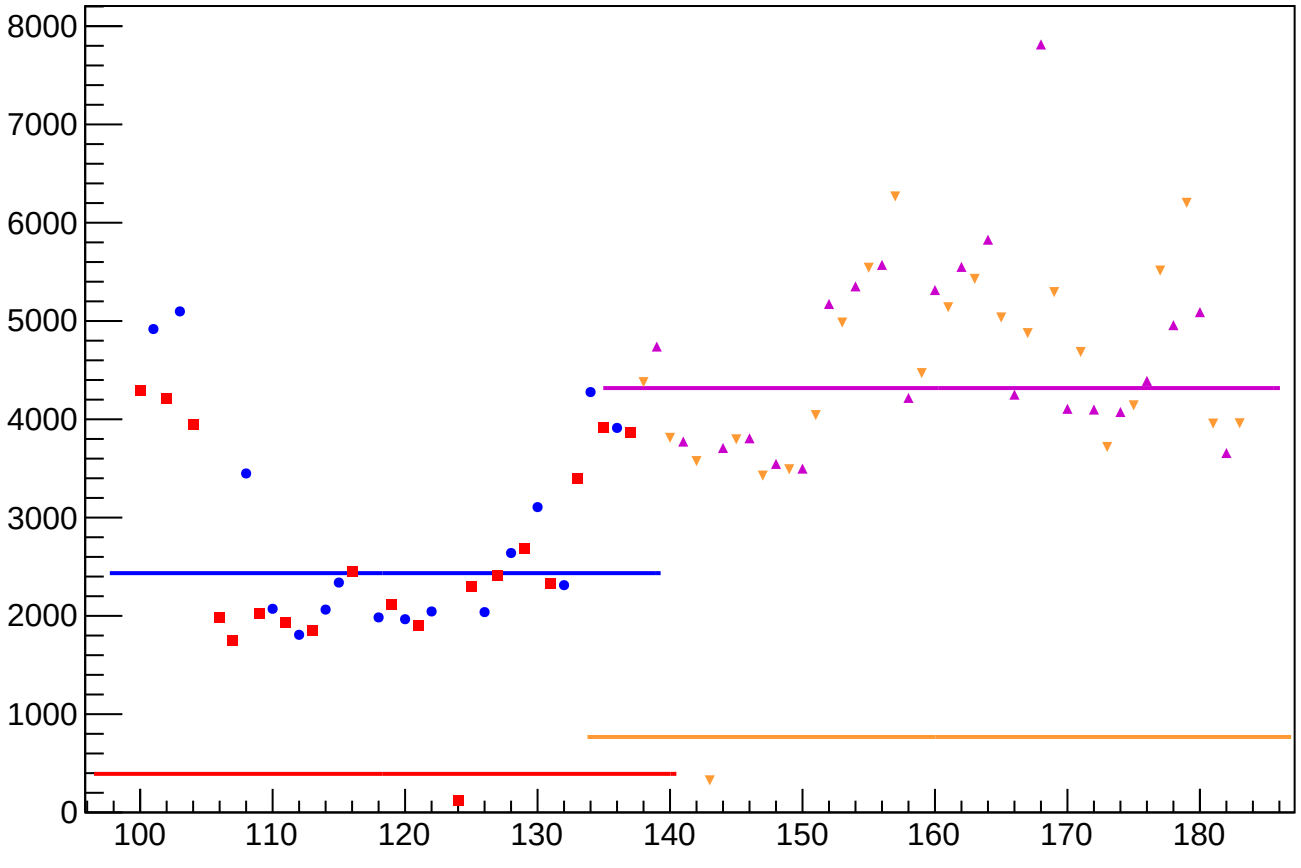
Left: 145.742+/-326.036 χ^2/NDF: 45.6/45

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 95.359+/-704.943 χ^2/NDF:28.2/37

Out: 31.384+/-232.446 χ^2/NDF:53.7/42

All: 37.658+/-220.755 χ^2/NDF: 81.9/80



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 767.936+/-0.243 χ^2/NDF:27751280.5/23

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4317.752+/-0.733 χ^2/NDF:1201061.8/21

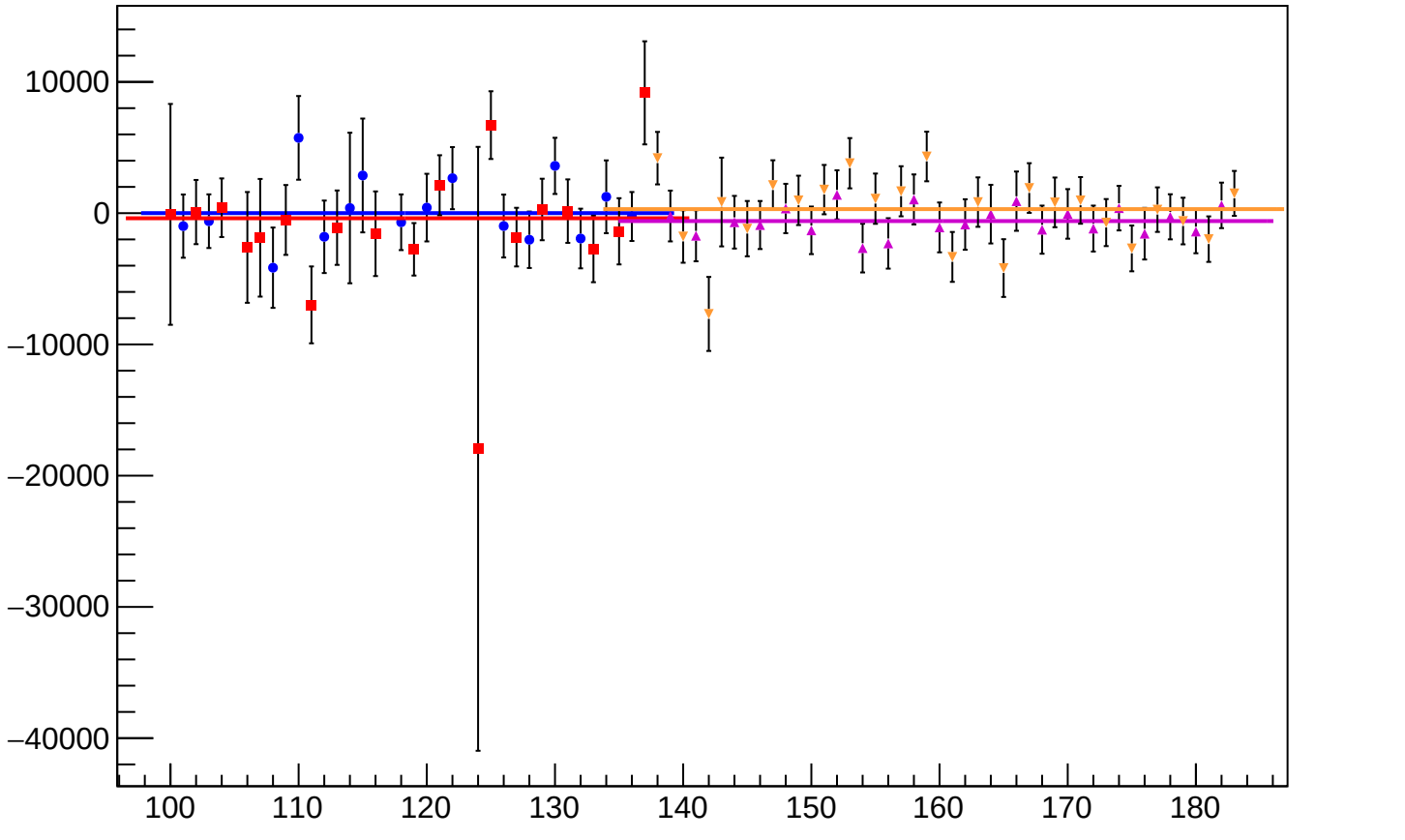
Left: 1118.631+/-0.231 χ^2/NDF: 50060860.2/45

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3304.416+/-0.498 χ^2/NDF:6203782.5/37

Out: 564.568+/-0.164 χ^2/NDF:40453334.7/42

All: 833.250+/-0.156 χ^2/NDF: 73906087.8/80



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 307.959+/-392.184 χ^2/NDF:38.2/23

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: -139.296+/-279.722 χ^2/NDF: 47.8/45

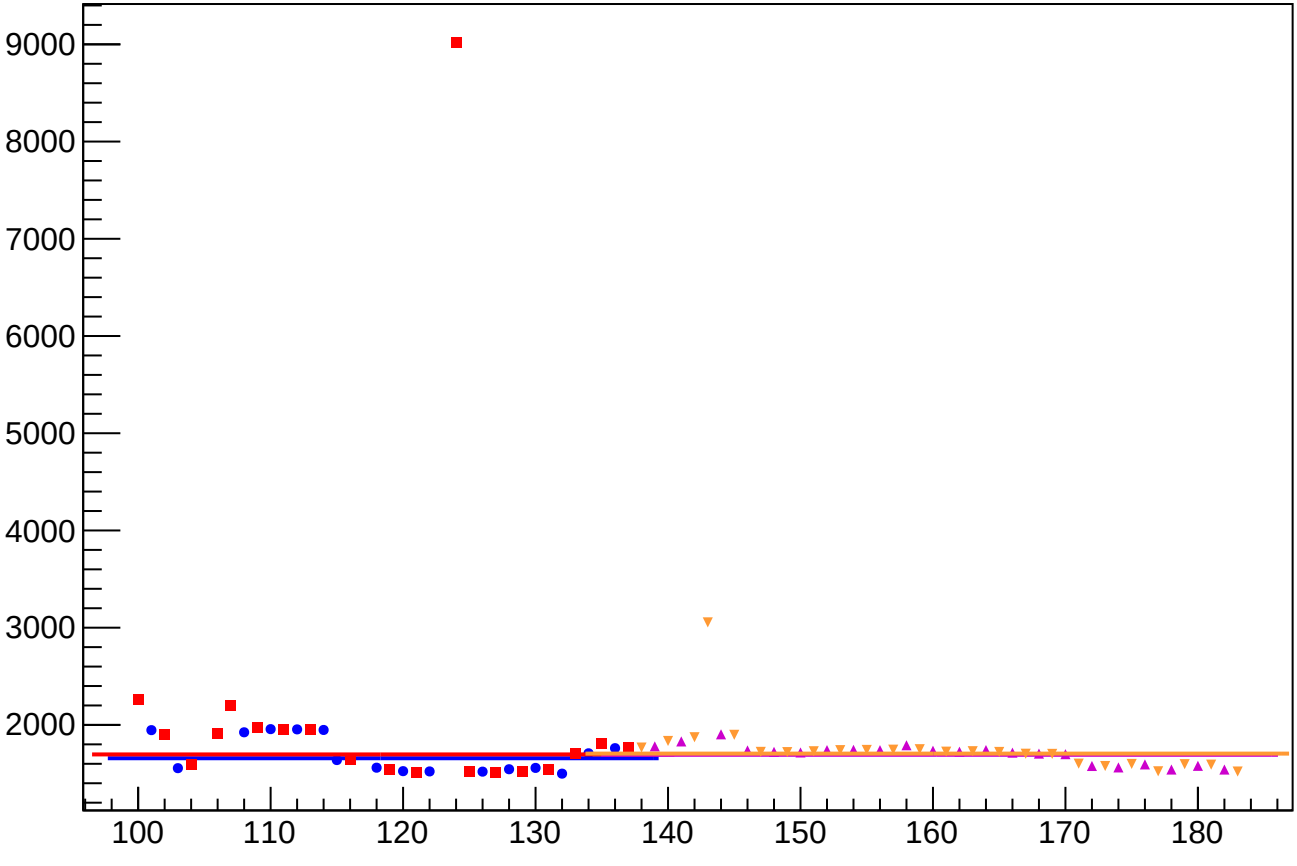
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -424.646+/-335.558 χ^2/NDF:20.1/37

Out: 114.923+/-333.484 χ^2/NDF:63.1/42

All: -153.189+/-236.538 χ^2/NDF: 84.5/80

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1704.783+/-0.277 χ^2/NDF:444563.2/23

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1692.424+/-0.282 χ^2/NDF:115961.2/21

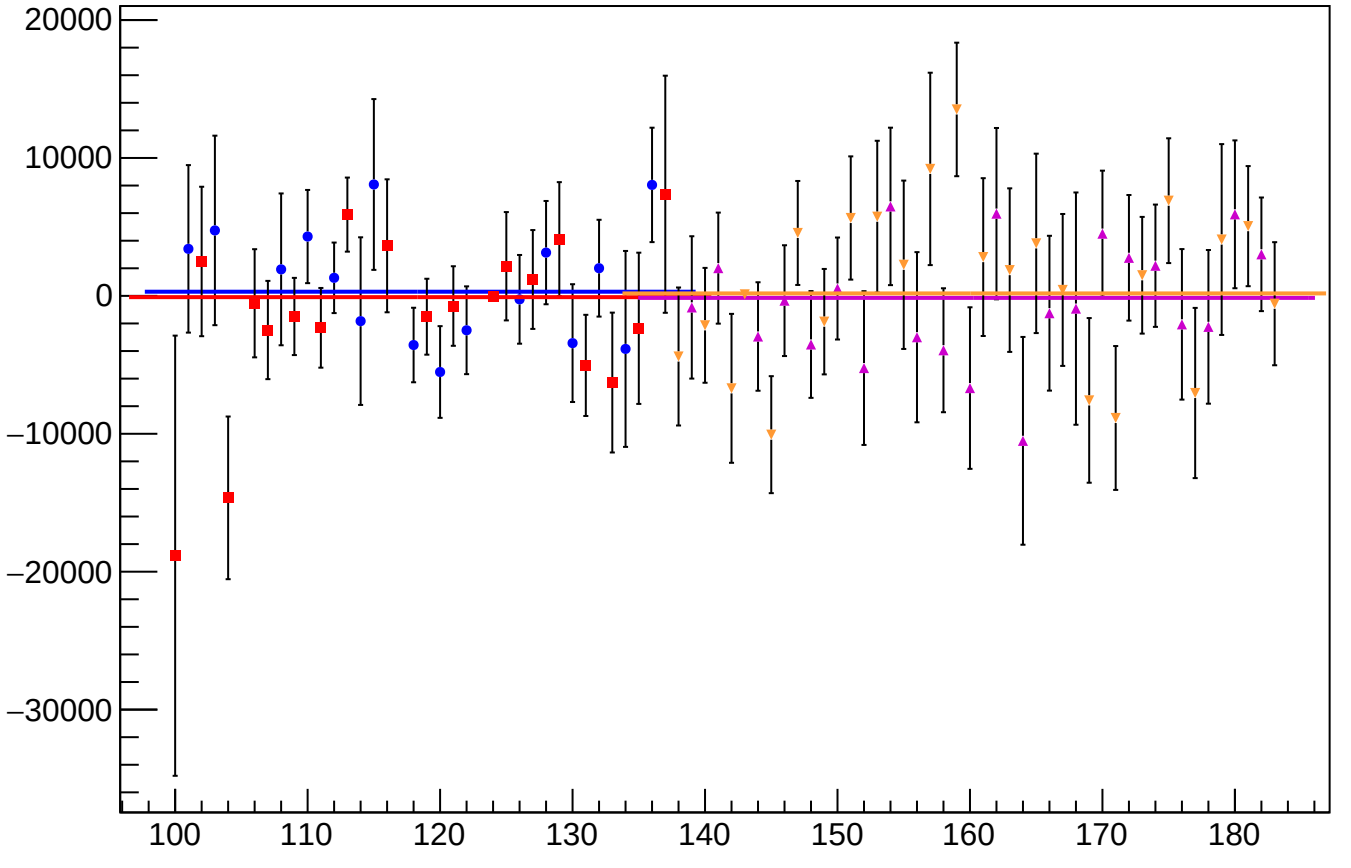
Left: 1698.711+/-0.198 χ^2/NDF: 561500.2/45

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1682.079+/-0.237 χ^2/NDF:264530.0/37

Out: 1702.459+/-0.236 χ^2/NDF:832789.7/42

All: 1692.344+/-0.167 χ^2/NDF: 1101035.6/80



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 177.639+/-343.442 χ^2/NDF:32.7/23

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -145.233+/-1037.300 χ^2/NDF:12.7/21

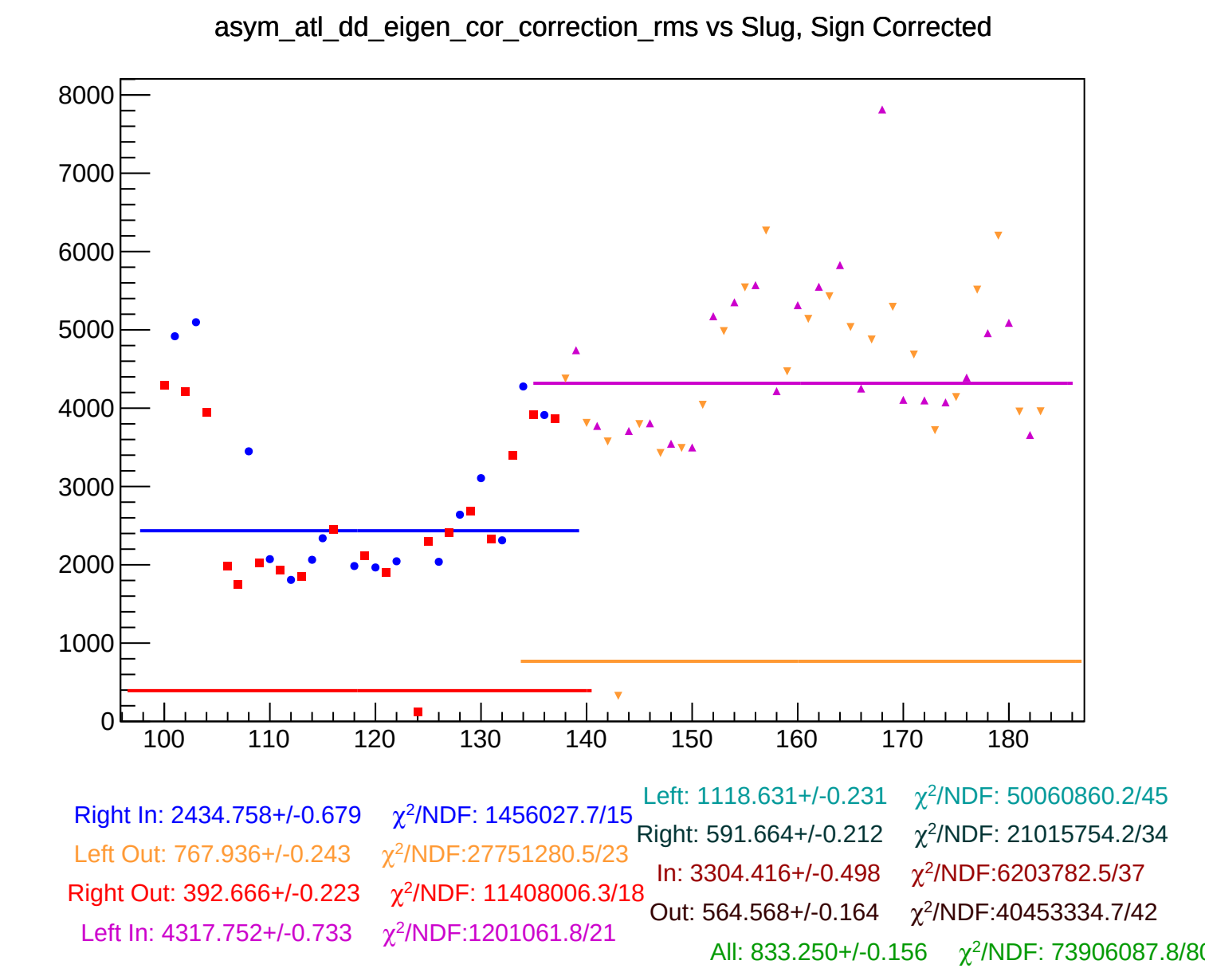
Left: 145.742+/-326.036 χ^2/NDF: 45.6/45

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

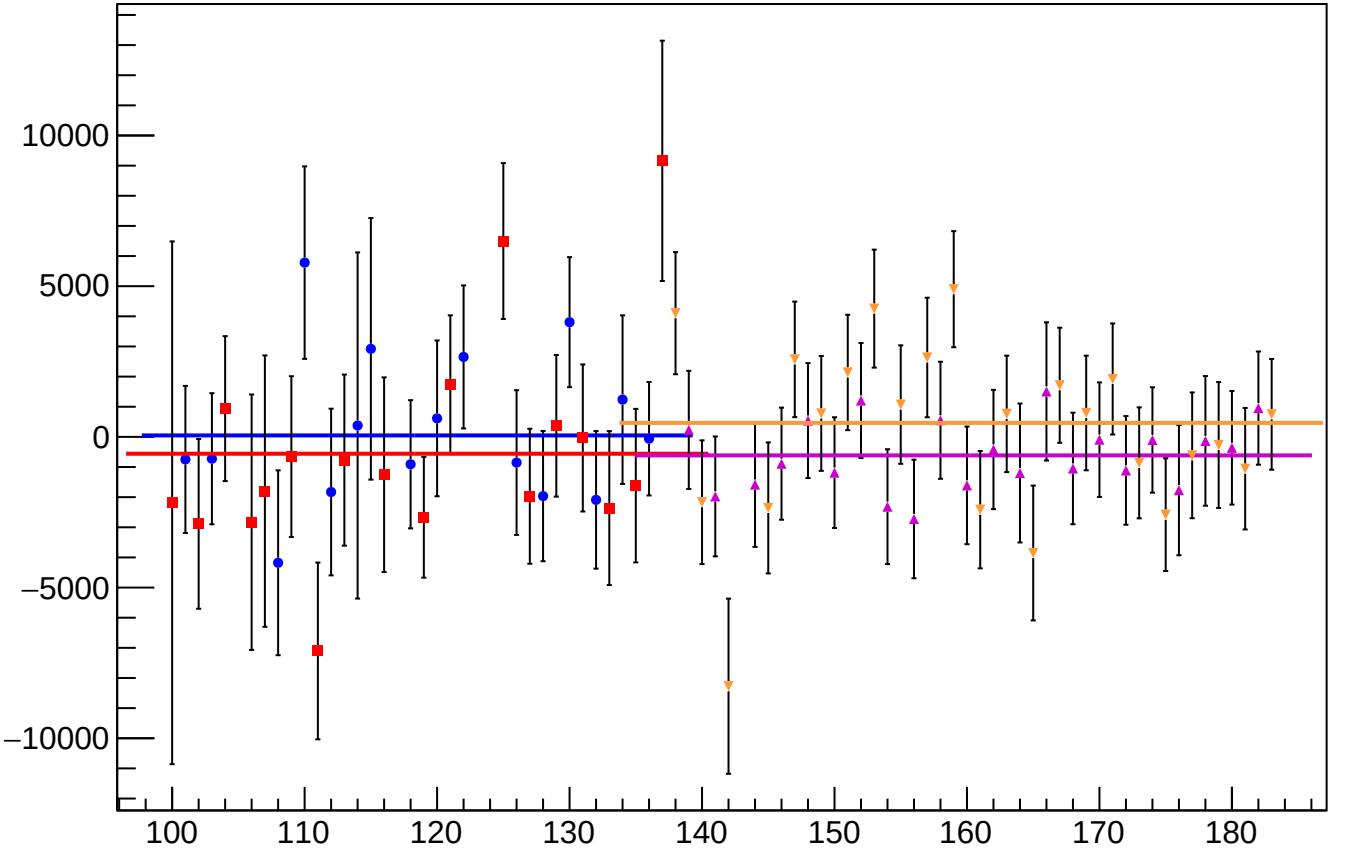
In: 95.359+/-704.943 χ^2/NDF:28.2/37

Out: 31.384+/-232.446 χ^2/NDF:53.7/42

All: 37.658+/-220.755 χ^2/NDF: 81.9/80


asym_atl_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 2434.758+/-0.679 χ²/NDF: 1456027.7/15
Left Out: 767.936+/-0.243 χ²/NDF:27751280.5/23
Right Out: 392.666+/-0.223 χ²/NDF: 11408006.3/18
Left In: 4317.752+/-0.733 χ²/NDF:1201061.8/21
Left: 1118.631+/-0.231 χ²/NDF: 50060860.2/45
Right: 591.664+/-0.212 χ²/NDF: 21015754.2/34
In: 3304.416+/-0.498 χ²/NDF:6203782.5/37
Out: 564.568+/-0.164 χ²/NDF:40453334.7/42
All: 833.250+/-0.156 χ²/NDF: 73906087.8/80

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 463.526+/-414.037 χ^2/NDF:39.1/22

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -614.206+/-416.055 χ^2/NDF:7.1/21

Left: -72.720+/-293.479 χ^2/NDF: 49.6/44

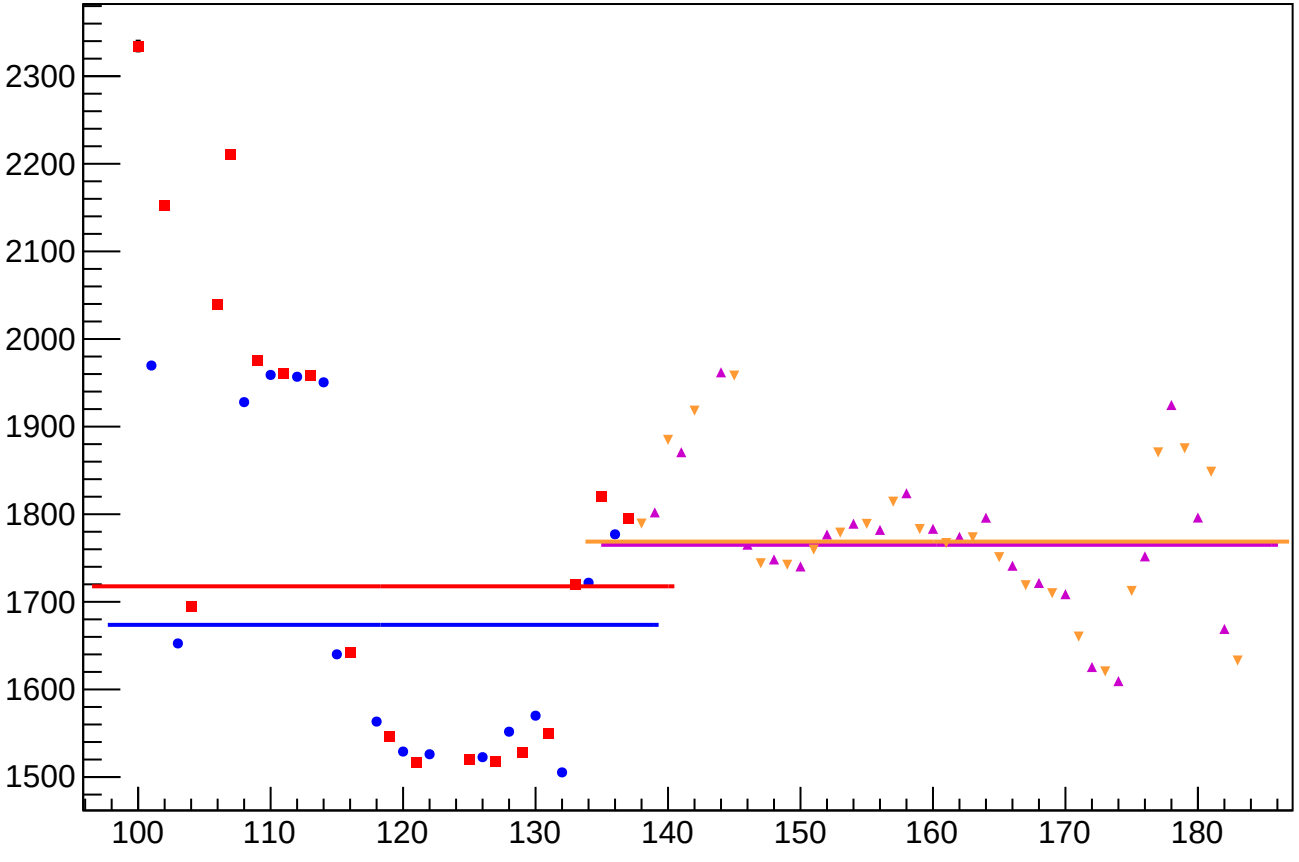
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -411.281+/-346.530 χ^2/NDF:20.7/37

Out: 165.155+/-348.473 χ^2/NDF:64.2/40

All: -124.675+/-245.718 χ^2/NDF: 86.3/78

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1768.766+/-0.293 χ^2/NDF:78383.5/22

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1765.095+/-0.294 χ^2/NDF:75726.9/21

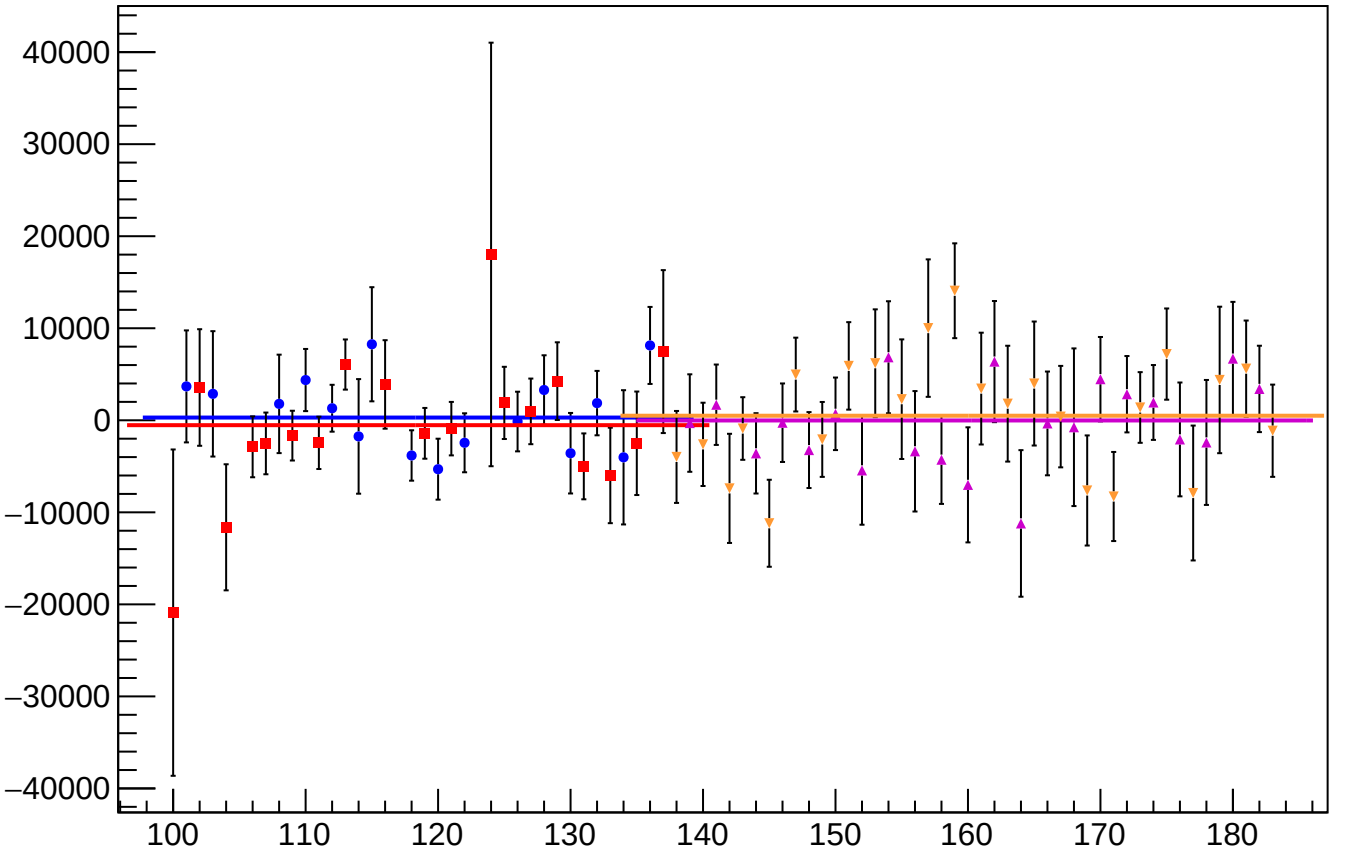
Left: 1766.939+/-0.208 χ^2/NDF: 154188.7/44

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1737.111+/-0.245 χ^2/NDF:246140.9/37

Out: 1753.829+/-0.246 χ^2/NDF:314922.5/40

All: 1745.429+/-0.174 χ^2/NDF: 563379.4/78



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 496.215+/-1041.907 χ^2/NDF:32.0/23

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -20.057+/-1093.497 χ^2/NDF:12.4/21

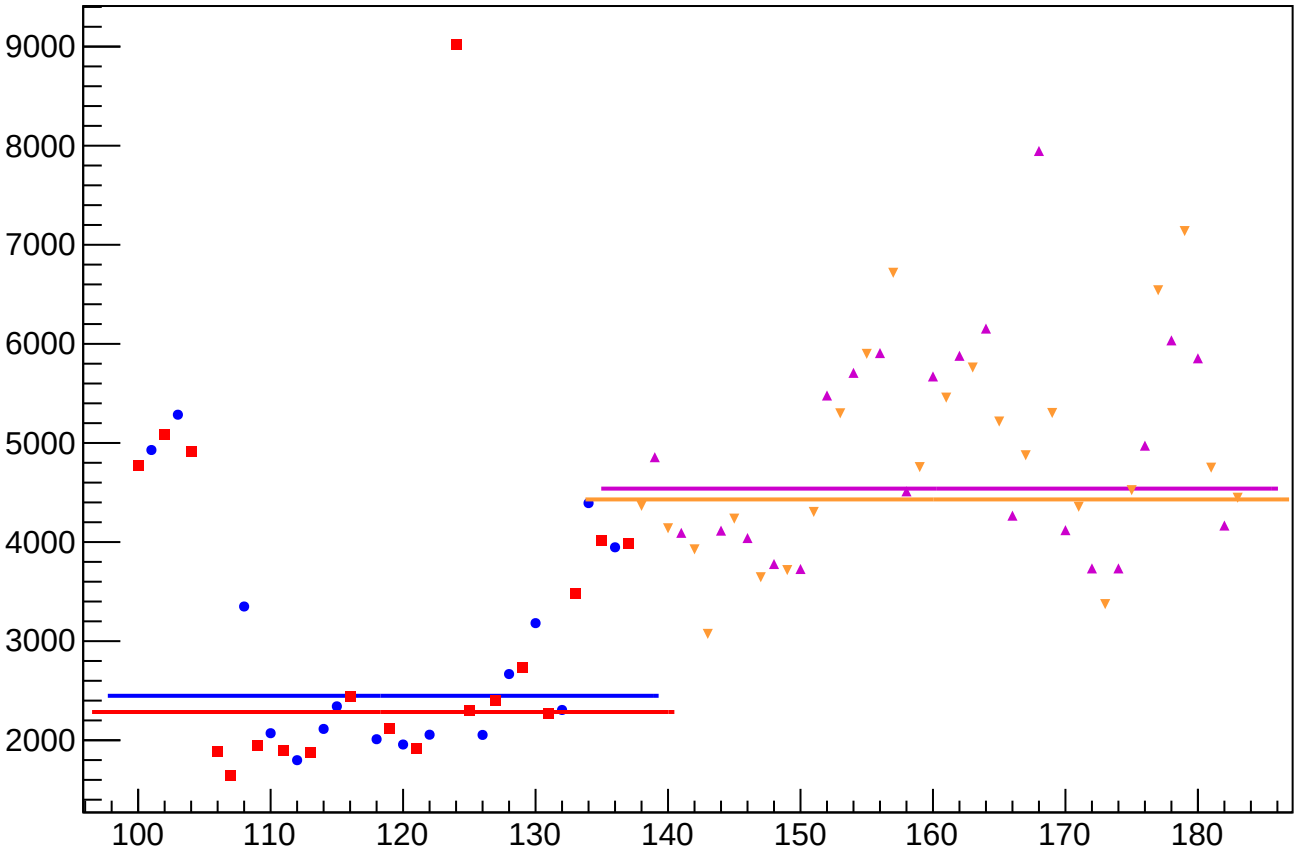
Left: 250.545+/-754.319 χ^2/NDF: 44.6/45

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 157.967+/-723.408 χ^2/NDF:27.7/37

Out: -101.074+/-674.058 χ^2/NDF:51.4/42

All: 19.310+/-493.155 χ^2/NDF: 79.2/80



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4430.269+/-0.737 χ^2/NDF:1613235.4/23

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4539.332+/-0.773 χ^2/NDF:1371907.2/21

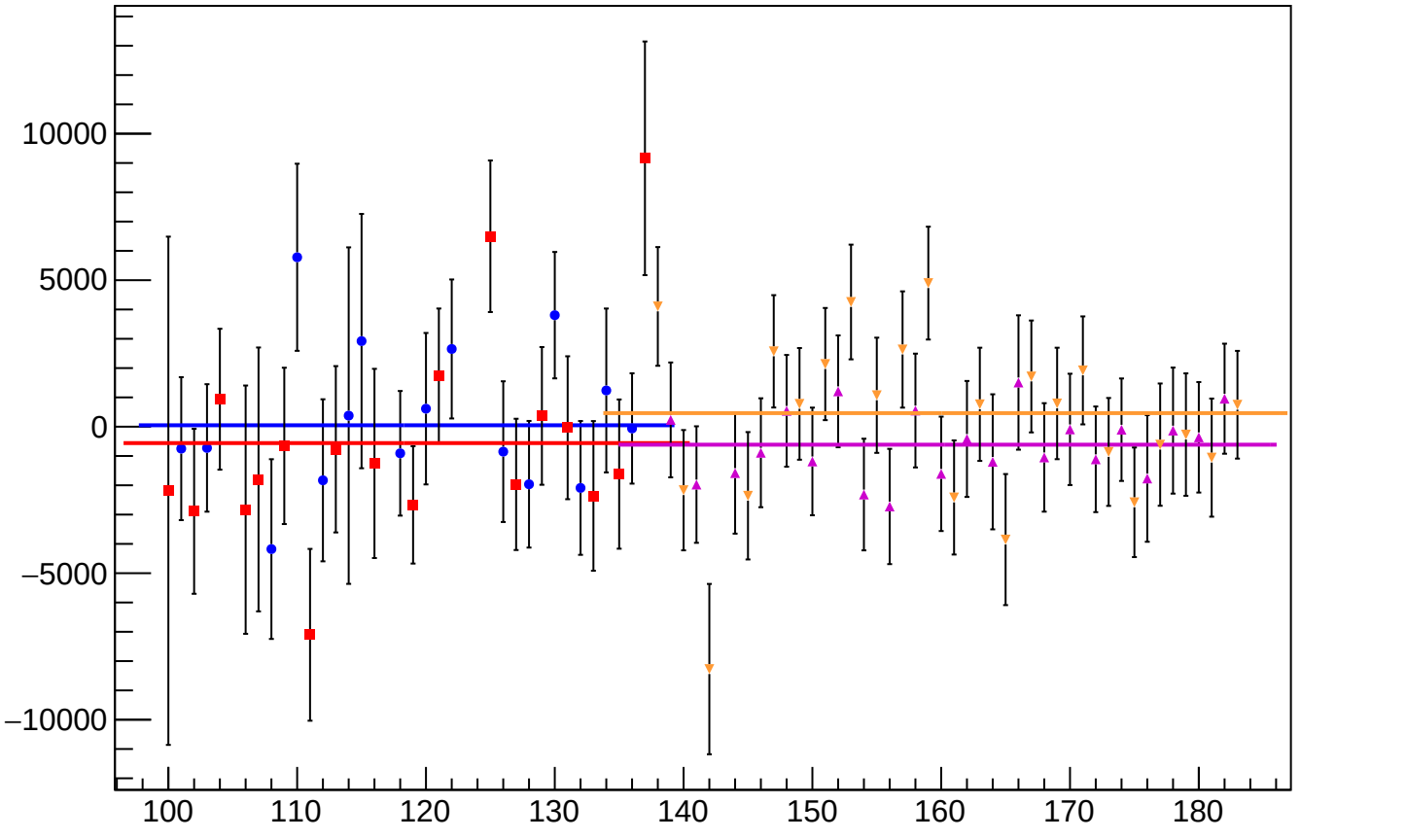
Left: 4482.167+/-0.533 χ^2/NDF: 2995570.7/45

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3363.617+/-0.512 χ^2/NDF:7000941.9/37

Out: 3182.923+/-0.477 χ^2/NDF:8091811.2/42

All: 3266.897+/-0.349 χ^2/NDF: 15159545.6/8



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 463.527+/-414.037 χ^2/NDF:39.1/22

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -614.205+/-416.055 χ^2/NDF:7.1/21

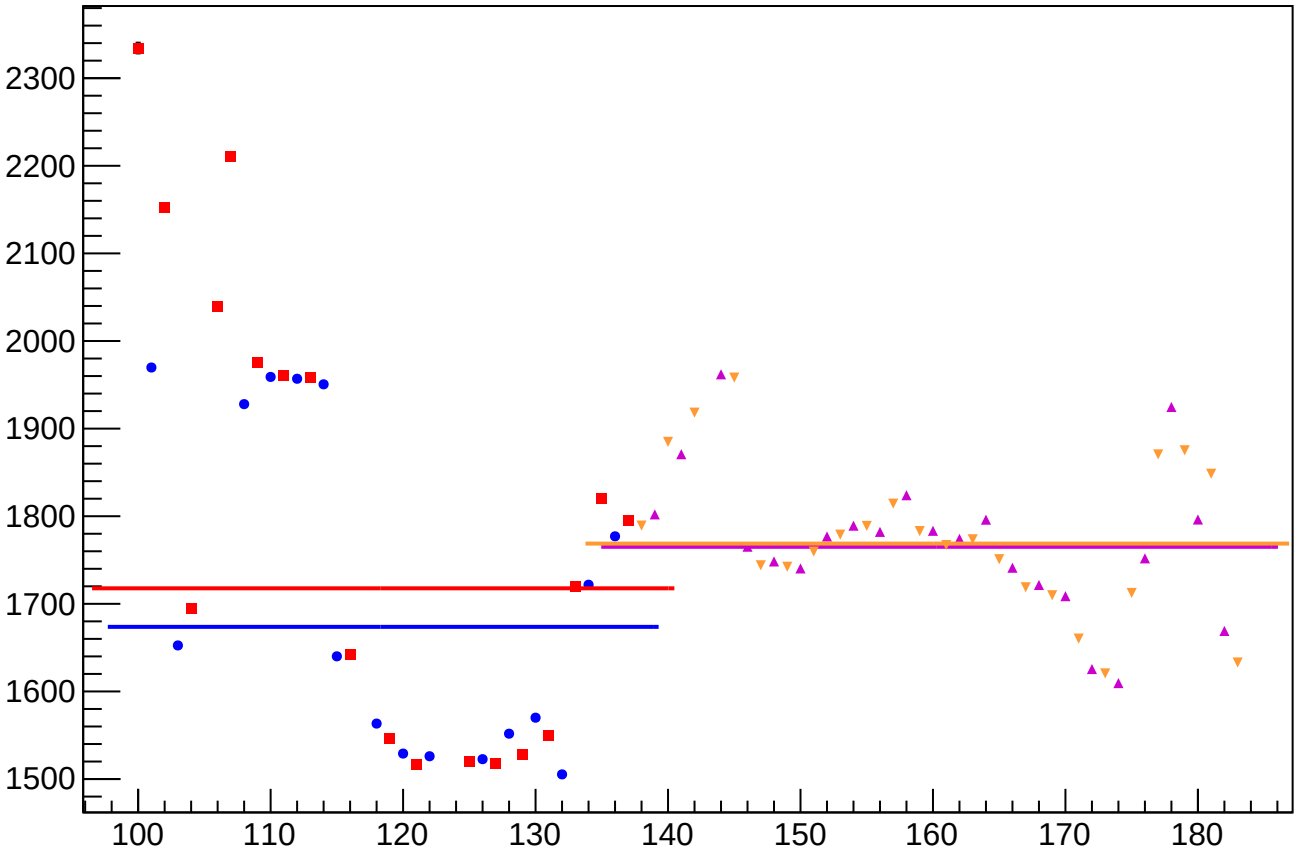
Left: -72.719+/-293.479 χ^2/NDF: 49.6/44

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -411.281+/-346.530 χ^2/NDF:20.7/37

Out: 165.155+/-348.474 χ^2/NDF:64.2/40

All: -124.675+/-245.718 χ^2/NDF: 86.3/78



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1768.767+/-0.293 χ^2/NDF:78386.6/22

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: 1766.940+/-0.208 χ^2/NDF: 154194.5/44

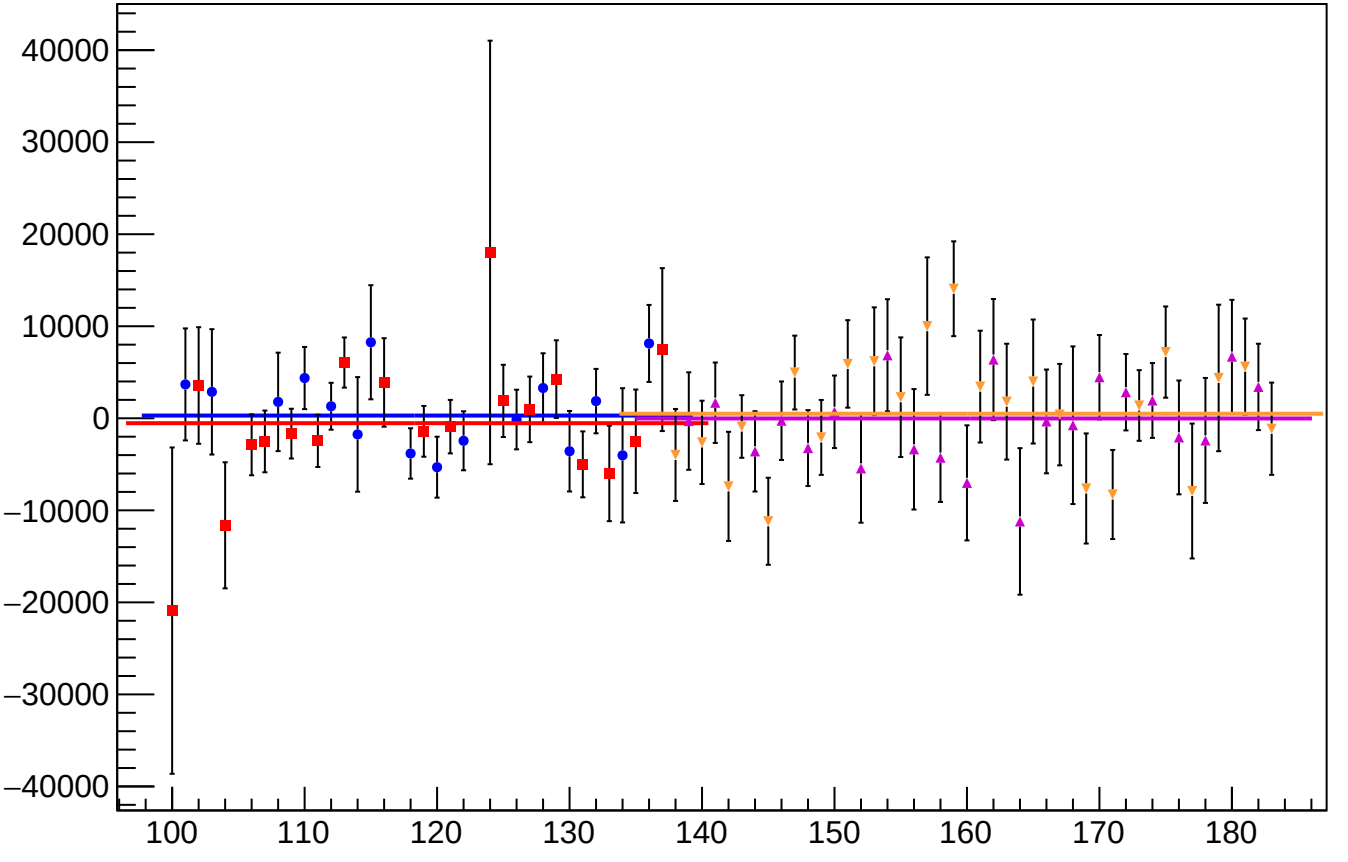
Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1737.111+/-0.245 χ^2/NDF:246144.4/37

Out: 1753.829+/-0.246 χ^2/NDF:314925.3/40

All: 1745.429+/-0.174 χ^2/NDF: 563385.8/78

asym_atl_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 496.219+/-1041.909 χ^2/NDF:32.0/23

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -20.057+/-1093.499 χ^2/NDF:12.4/21

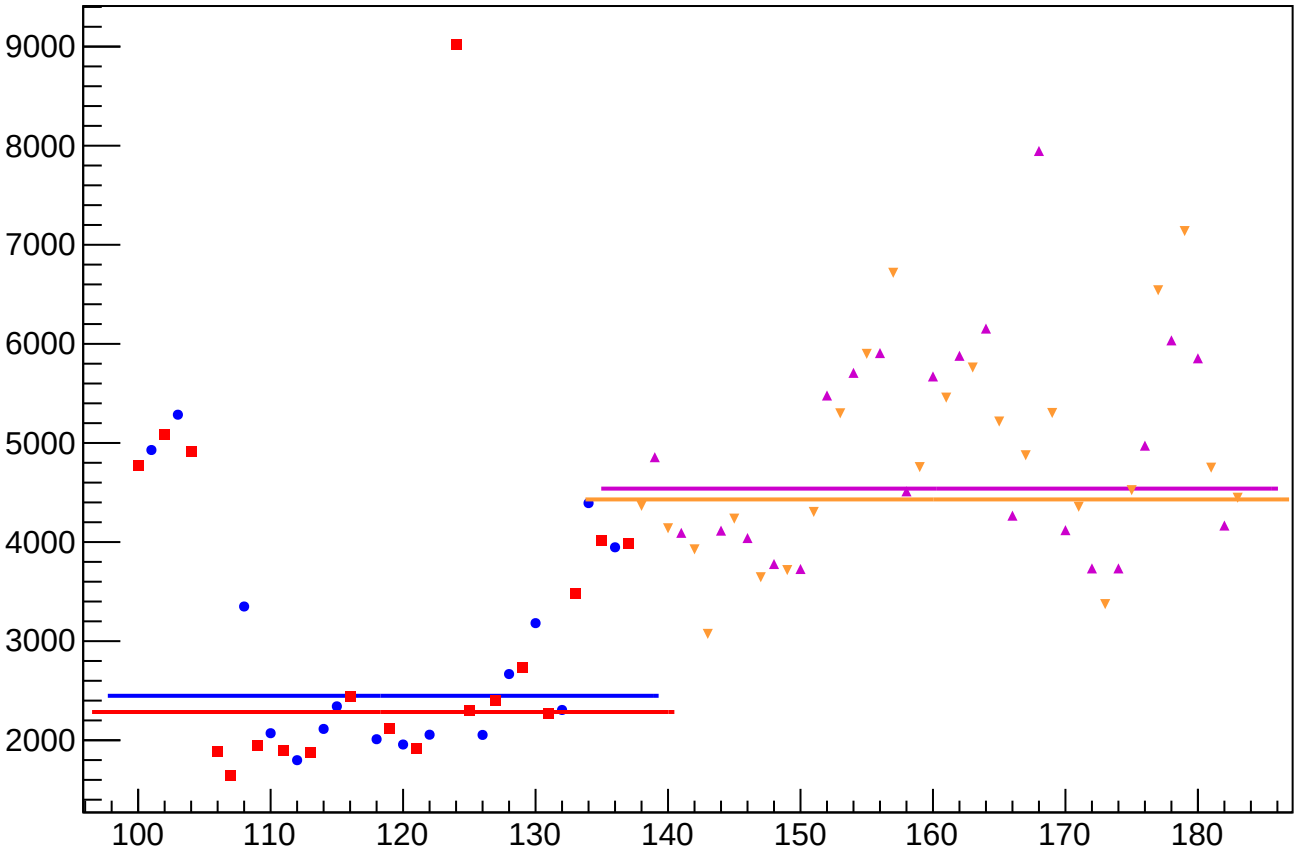
Left: 250.547+/-754.320 χ^2/NDF: 44.6/45

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 157.964+/-723.407 χ^2/NDF:27.7/37

Out: -101.076+/-674.057 χ^2/NDF:51.4/42

All: 19.308+/-493.155 χ^2/NDF: 79.2/80



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4430.275+/-0.737 χ^2/NDF:1613237.9/23

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4539.339+/-0.773 χ^2/NDF:1371908.5/21

Left: 4482.174+/-0.533 χ^2/NDF: 2995574.5/45

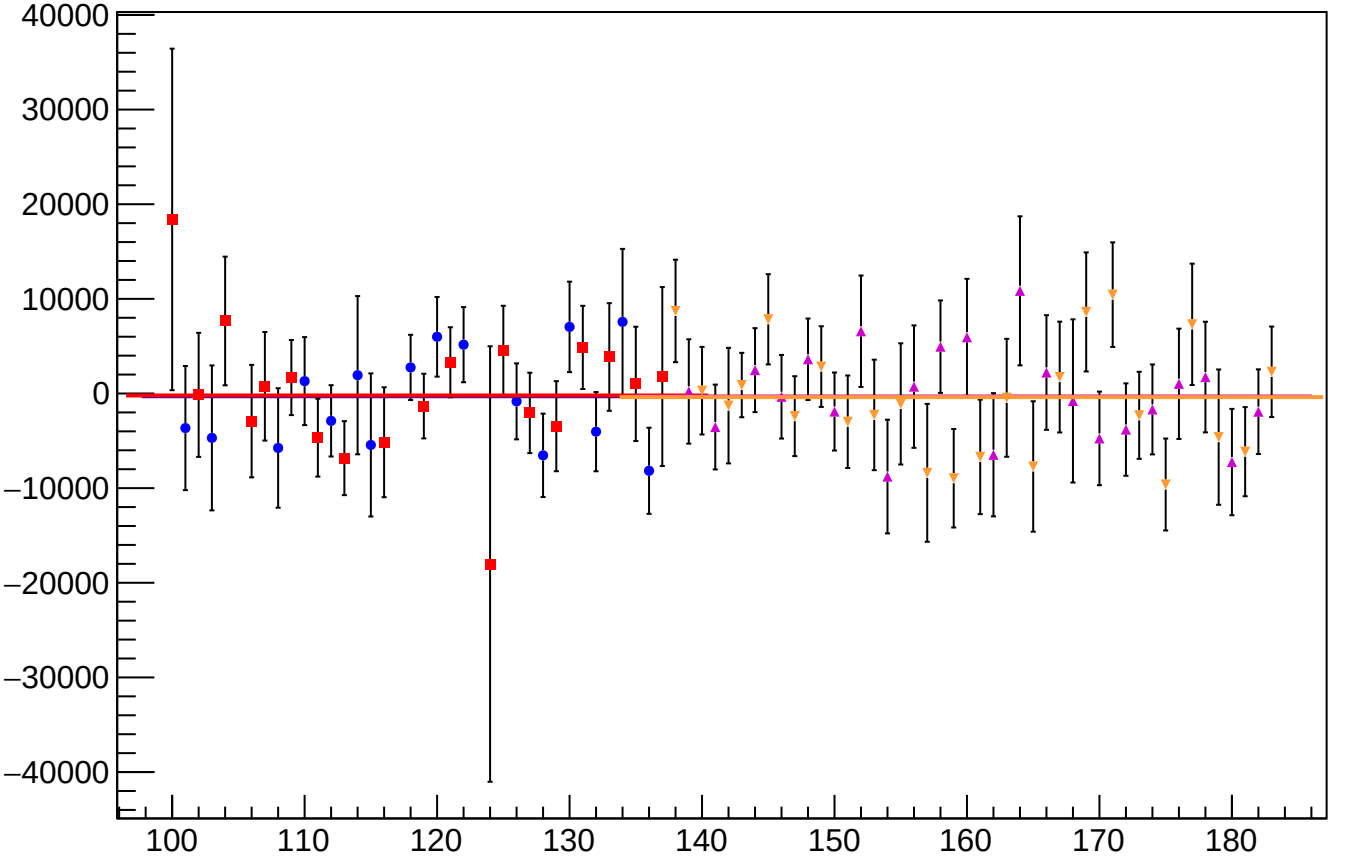
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3363.609+/-0.512 χ^2/NDF:7001032.9/37

Out: 3182.915+/-0.477 χ^2/NDF:8091898.1/42

All: 3266.889+/-0.349 χ^2/NDF: 15159722.9/8

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -380.921+/-1063.400 χ^2/NDF:26.7/23

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: -350.749+/-771.909 χ^2/NDF: 40.5/45

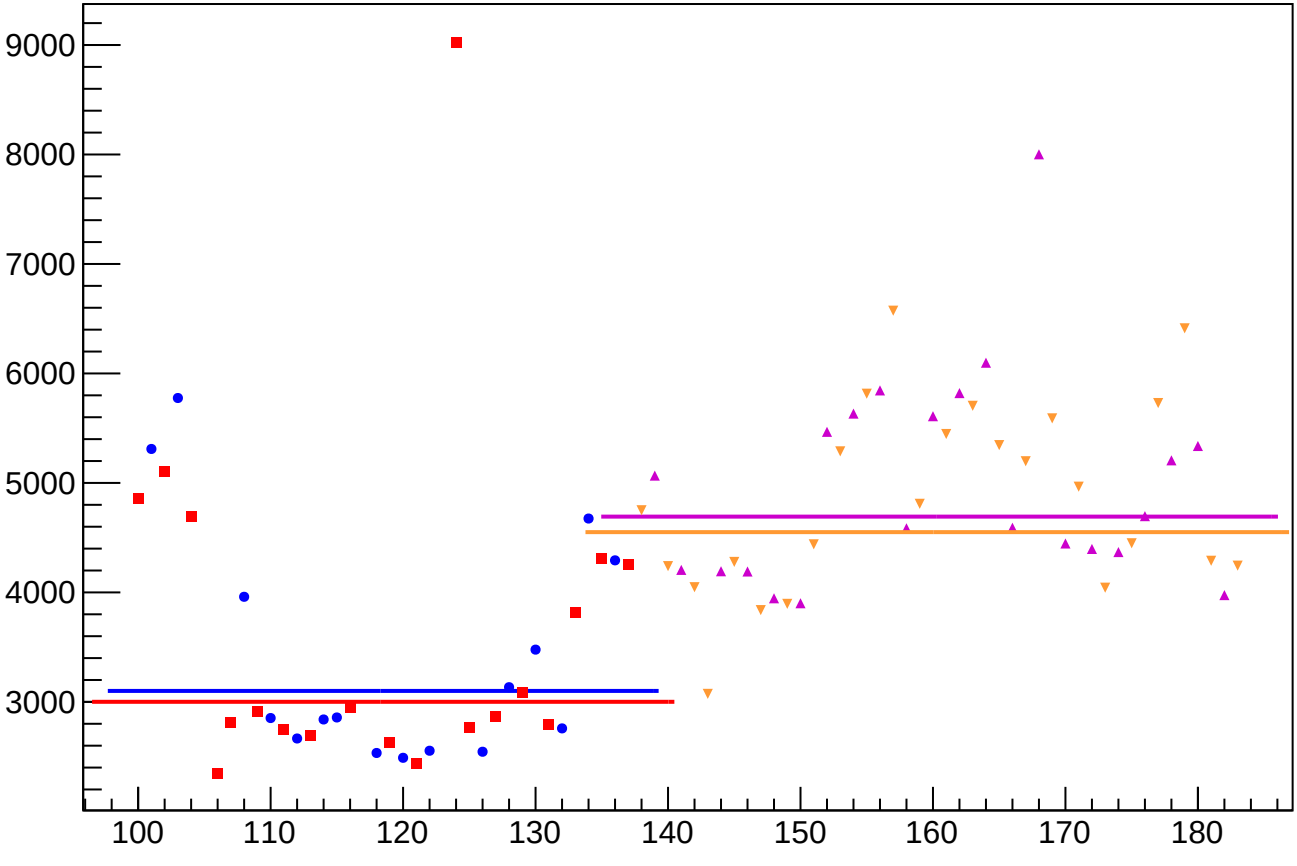
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -303.175+/-818.816 χ^2/NDF:30.4/37

Out: -302.172+/-781.928 χ^2/NDF:39.6/42

All: -302.650+/-565.498 χ^2/NDF: 70.0/80

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4550.520+/-0.752 χ^2/NDF:1255742.2/23

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4692.292+/-0.794 χ^2/NDF:943585.7/21

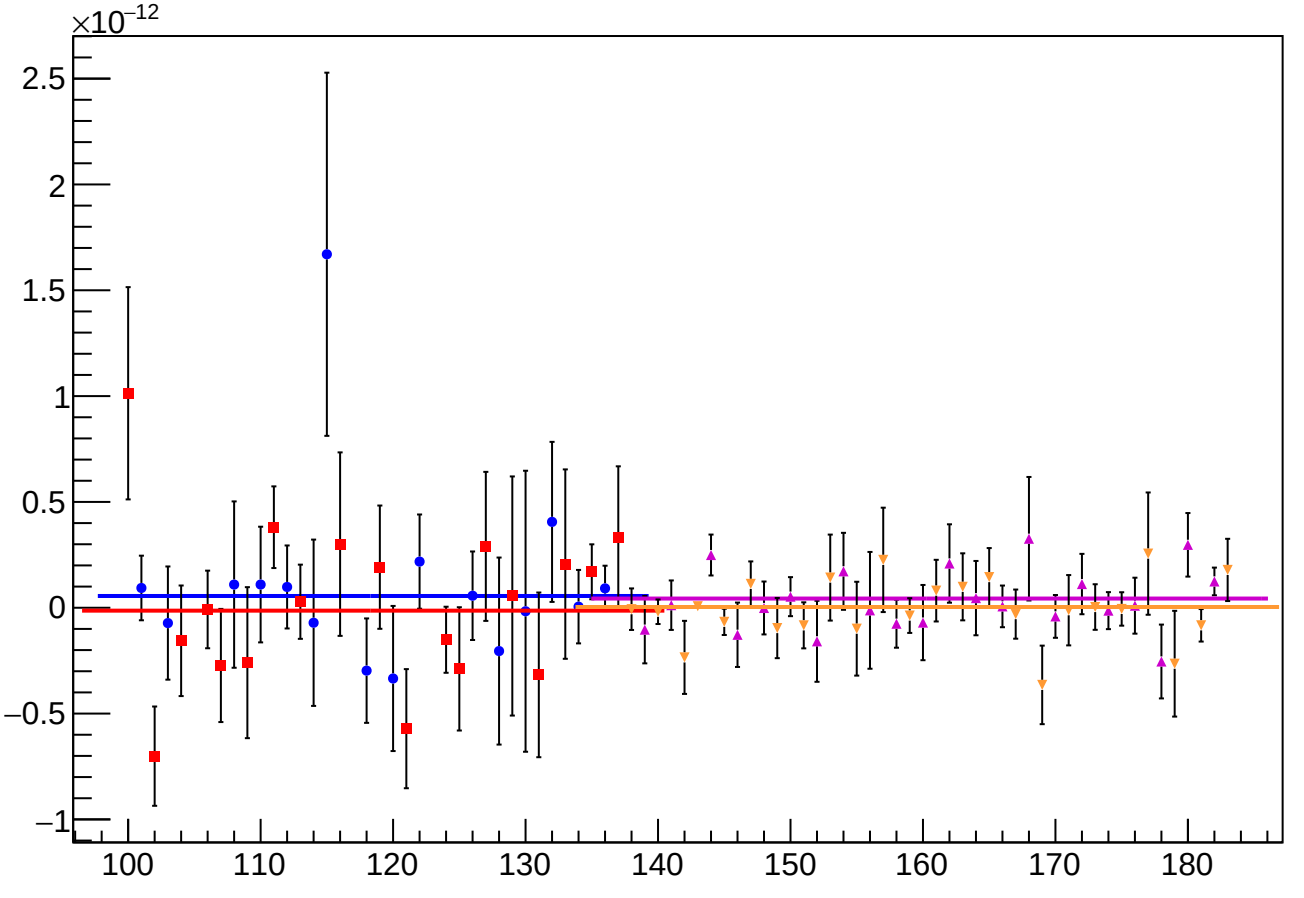
Left: 4617.591+/-0.546 χ^2/NDF: 2216145.5/45

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3947.689+/-0.579 χ^2/NDF:3789823.5/37

Out: 3828.207+/-0.549 χ^2/NDF:4042182.0/42

All: 3884.821+/-0.399 χ^2/NDF: 7854412.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:20.6/21

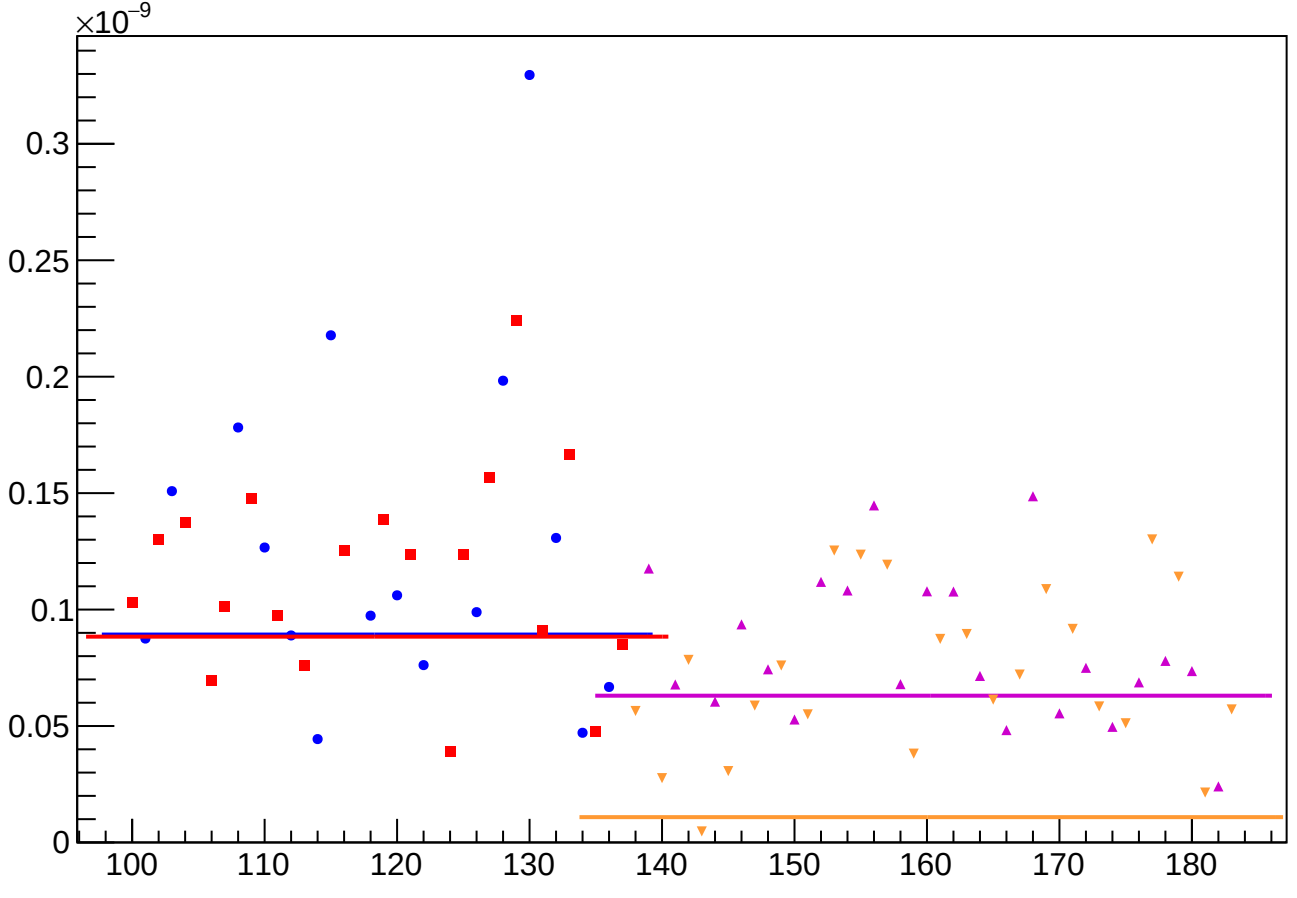
Left: 0.000+/-0.000 χ^2/NDF: 40.5/45

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:47.9/42

All: 0.000+/-0.000 χ^2/NDF: 80.7/80



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9694819.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2070688.7/21

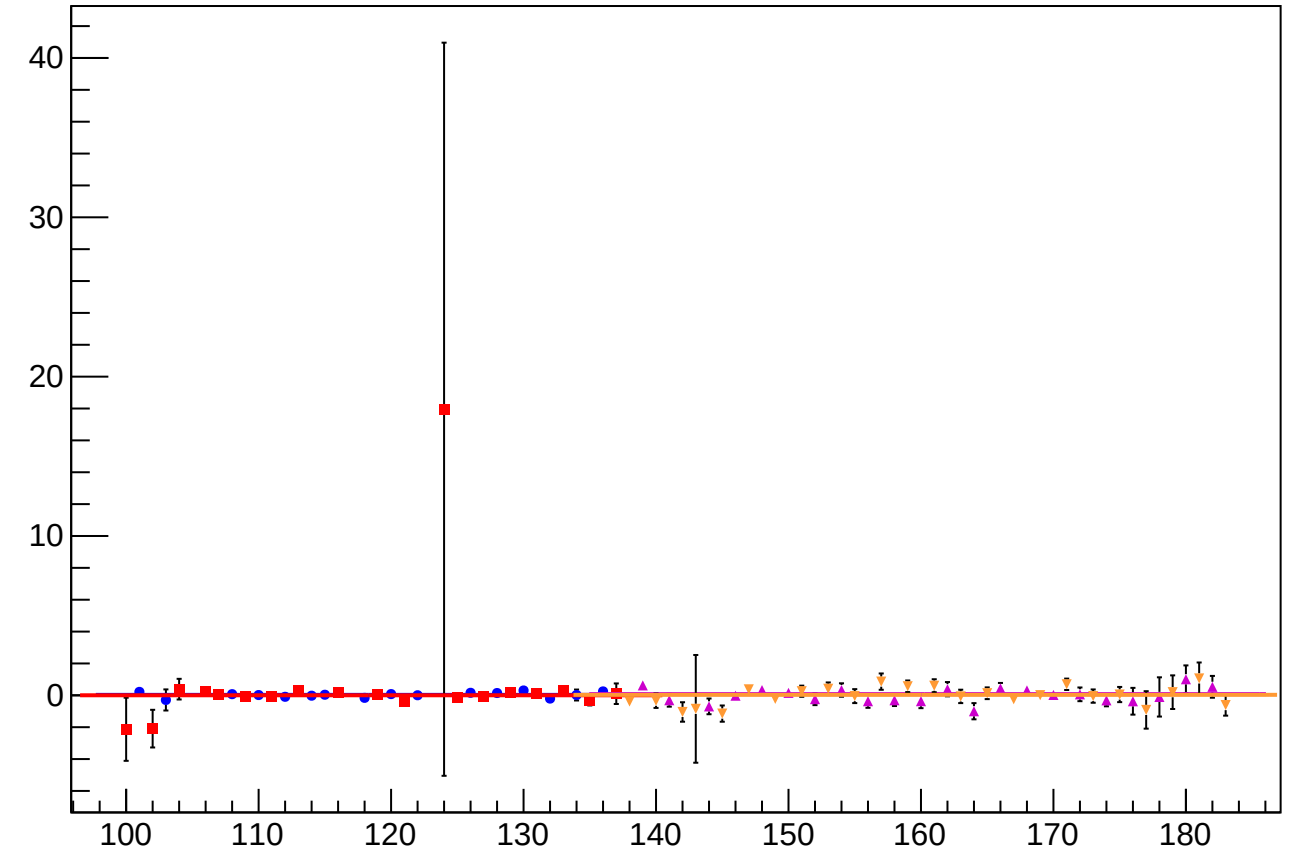
Left: 0.000+/-0.000 χ^2/NDF: 18919173.7/45

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:14487631.0/42

All: 0.000+/-0.000 χ^2/NDF: 27422652.2/80



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.032+/-0.077 χ^2/NDF:29.0/23

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: 0.054+/-0.054 χ^2/NDF: 53.3/45

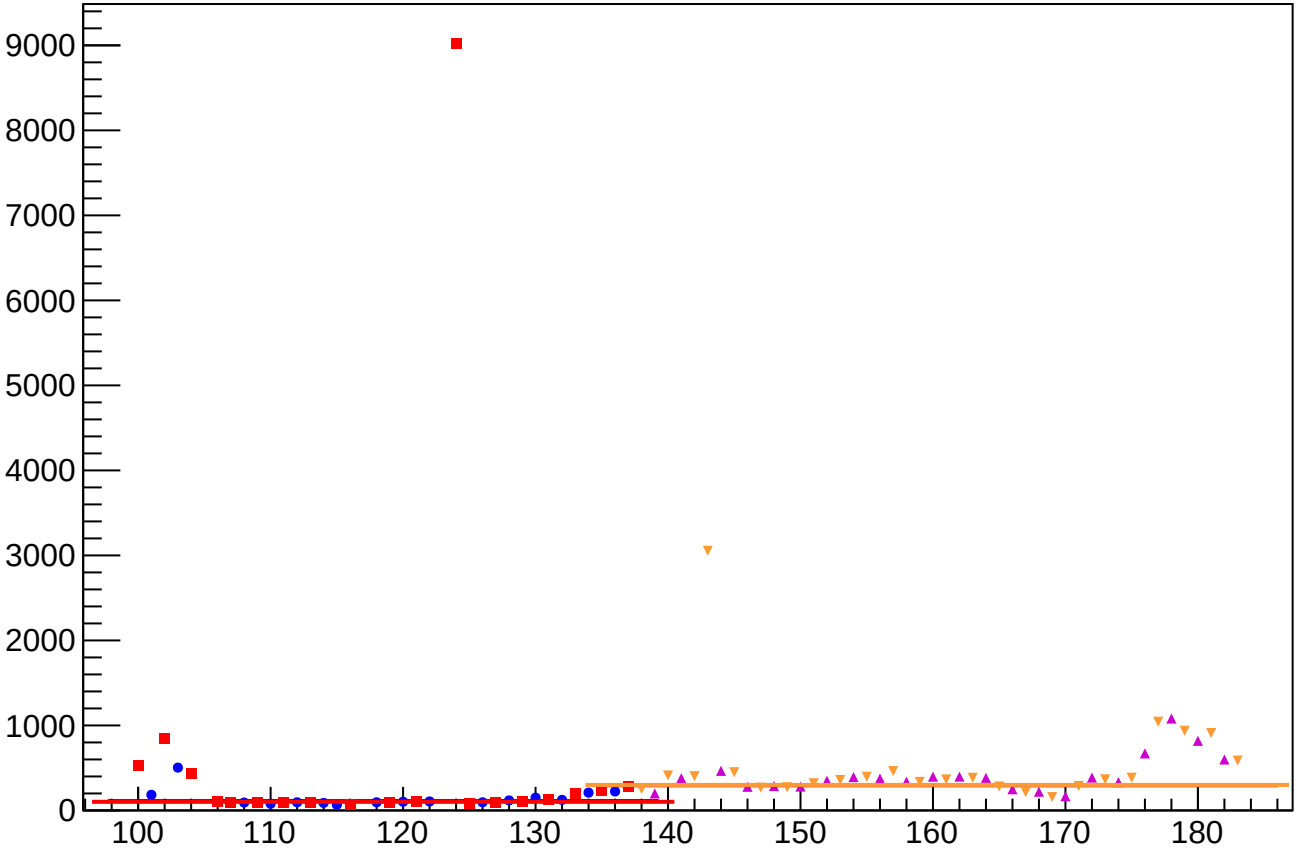
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.041+/-0.039 χ^2/NDF:33.3/37

Out: 0.010+/-0.038 χ^2/NDF:51.5/42

All: 0.025+/-0.027 χ^2/NDF: 85.1/80

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 300.480+/-0.055 χ^2/NDF:6593282.3/23

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: 297.930+/-0.038 χ^2/NDF: 11399392.9/45

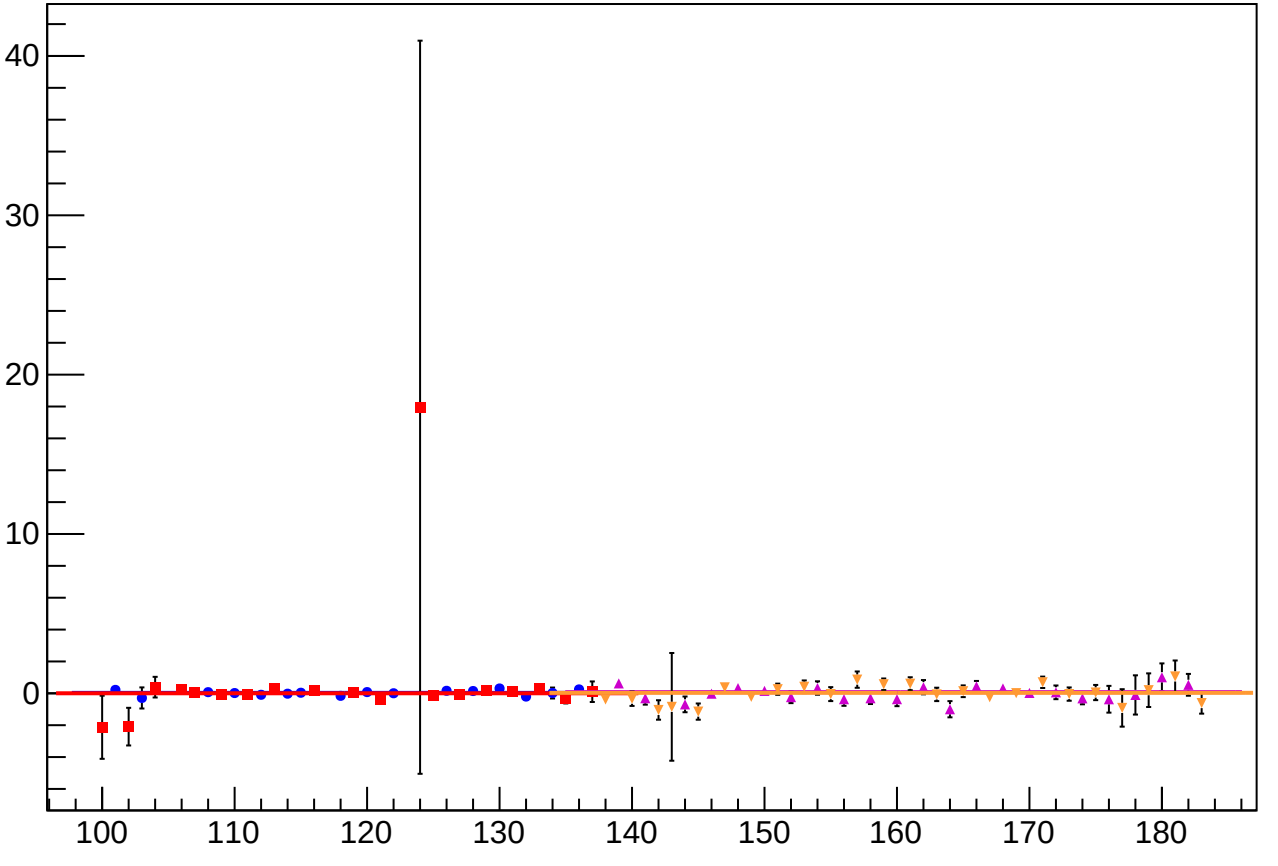
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 158.640+/-0.028 χ^2/NDF:15526495.1/37

Out: 149.563+/-0.027 χ^2/NDF:19259099.1/42

All: 153.971+/-0.019 χ^2/NDF: 34841588.6/80

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: 0.032+/-0.077 χ^2/NDF:29.0/23

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.077+/-0.076 χ^2/NDF:24.1/21

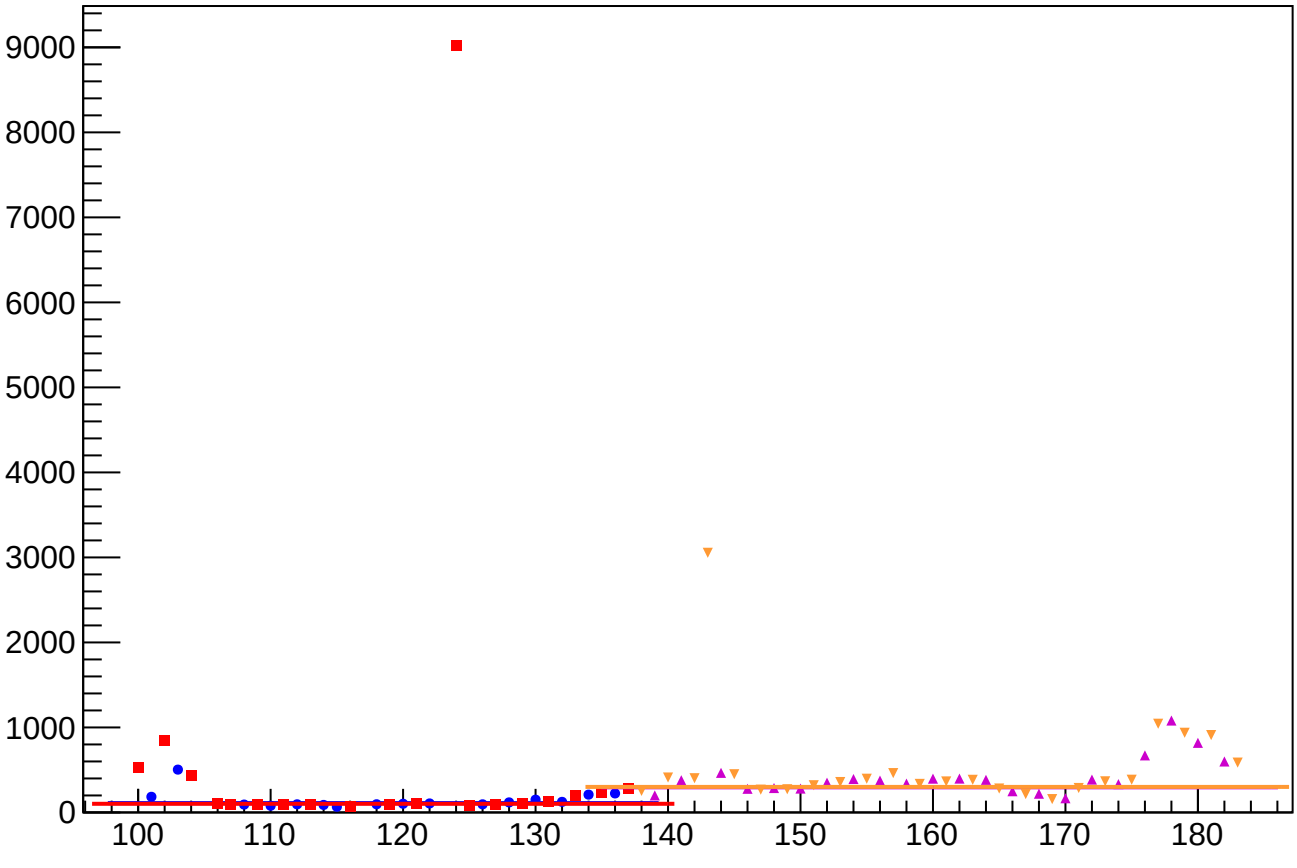
Left: 0.054+/-0.054 χ^2/NDF: 53.3/45

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.041+/-0.039 χ^2/NDF:33.3/37

Out: 0.010+/-0.038 χ^2/NDF:51.5/42

All: 0.025+/-0.027 χ^2/NDF: 85.1/80



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 300.480+/-0.055 χ^2/NDF:6593282.3/23

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 295.457+/-0.054 χ^2/NDF:4801804.5/21

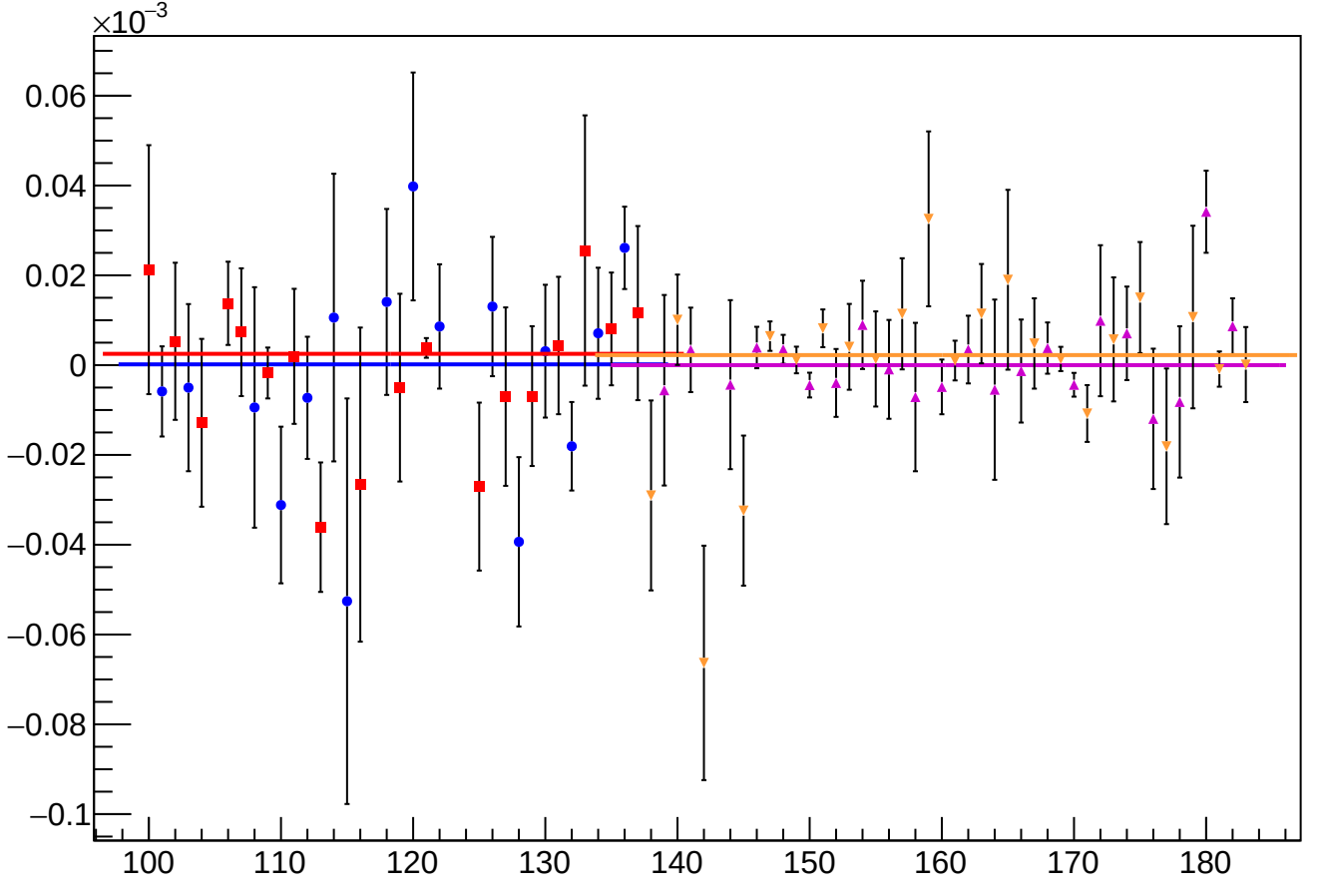
Left: 297.930+/-0.038 χ^2/NDF: 11399392.9/45

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 158.640+/-0.028 χ^2/NDF:15526495.1/37

Out: 149.563+/-0.027 χ^2/NDF:19259099.1/42

All: 153.971+/-0.019 χ^2/NDF: 34841588.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:27.7/21

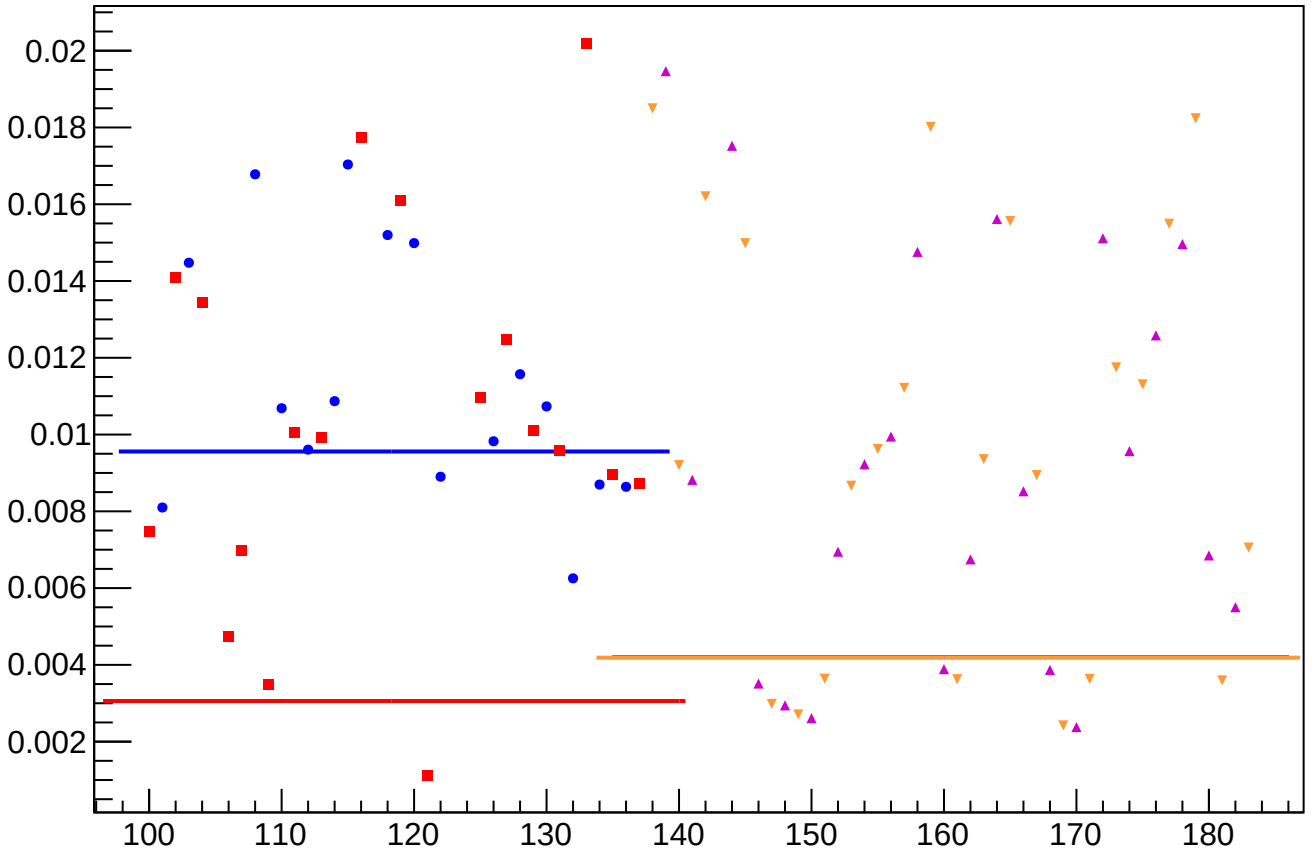
Left: 0.000+/-0.000 χ^2/NDF: 59.3/44

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:45.8/40

All: 0.000+/-0.000 χ^2/NDF: 101.3/78



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:11871607.4/22

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: 22689733.3/44

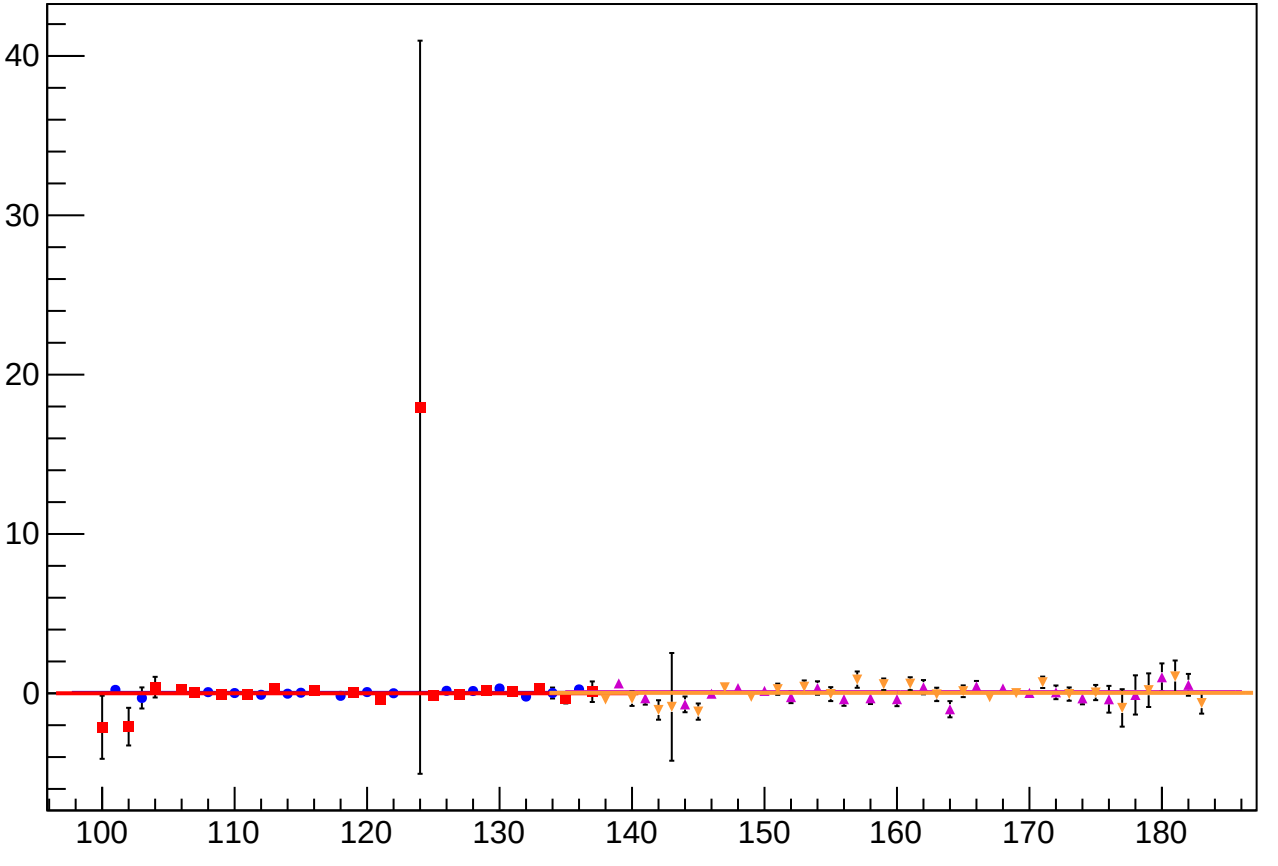
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:15438033.7/37

Out: 0.004+/-0.000 χ^2/NDF:20513765.7/40

All: 0.004+/-0.000 χ^2/NDF: 36643138.5/78

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: 0.032+/-0.077 χ^2/NDF:29.0/23

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: 0.054+/-0.054 χ^2/NDF: 53.3/45

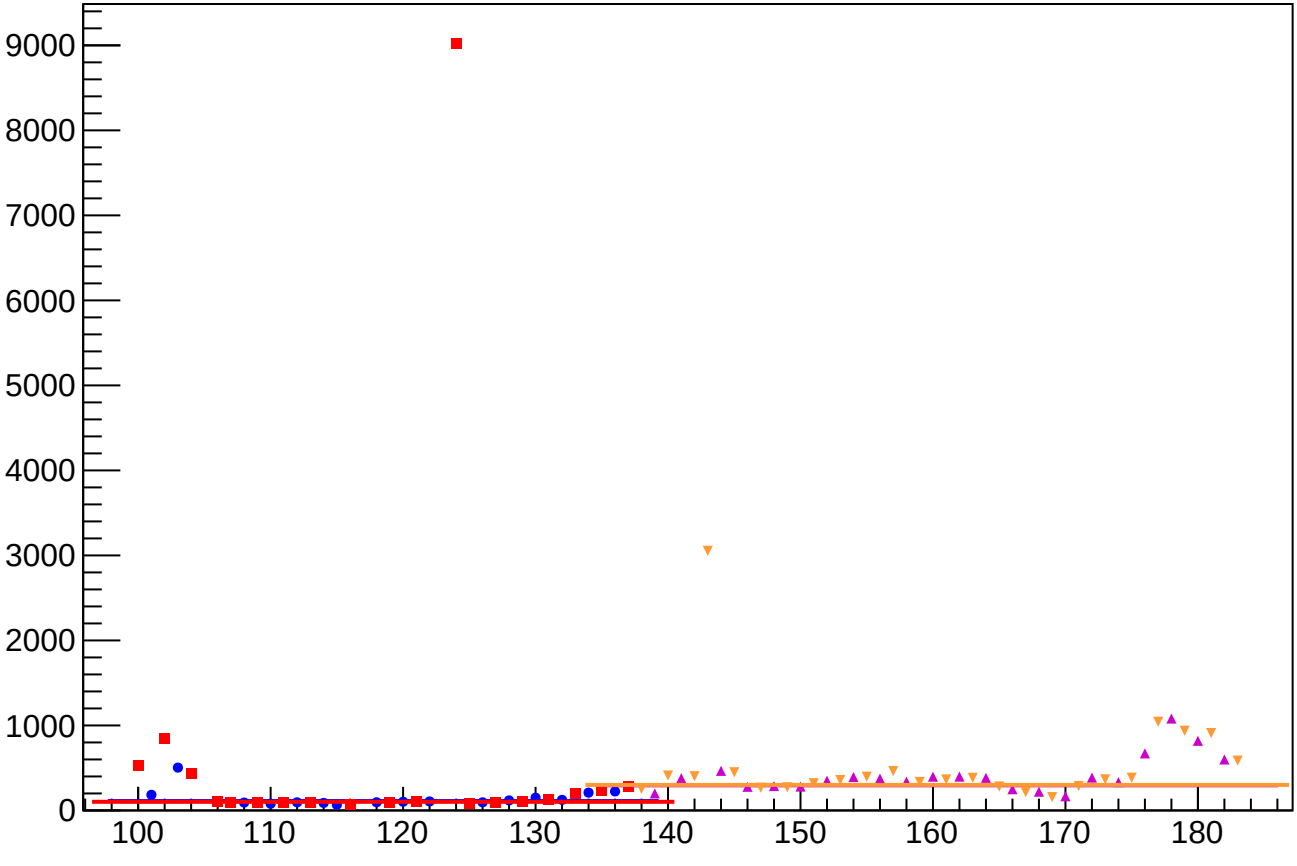
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.041+/-0.039 χ^2/NDF:33.3/37

Out: 0.010+/-0.038 χ^2/NDF:51.5/42

All: 0.025+/-0.027 χ^2/NDF: 85.1/80

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: 300.482+/-0.055 χ^2/NDF:6593339.4/23

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 295.460+/-0.054 χ^2/NDF:4801760.3/21

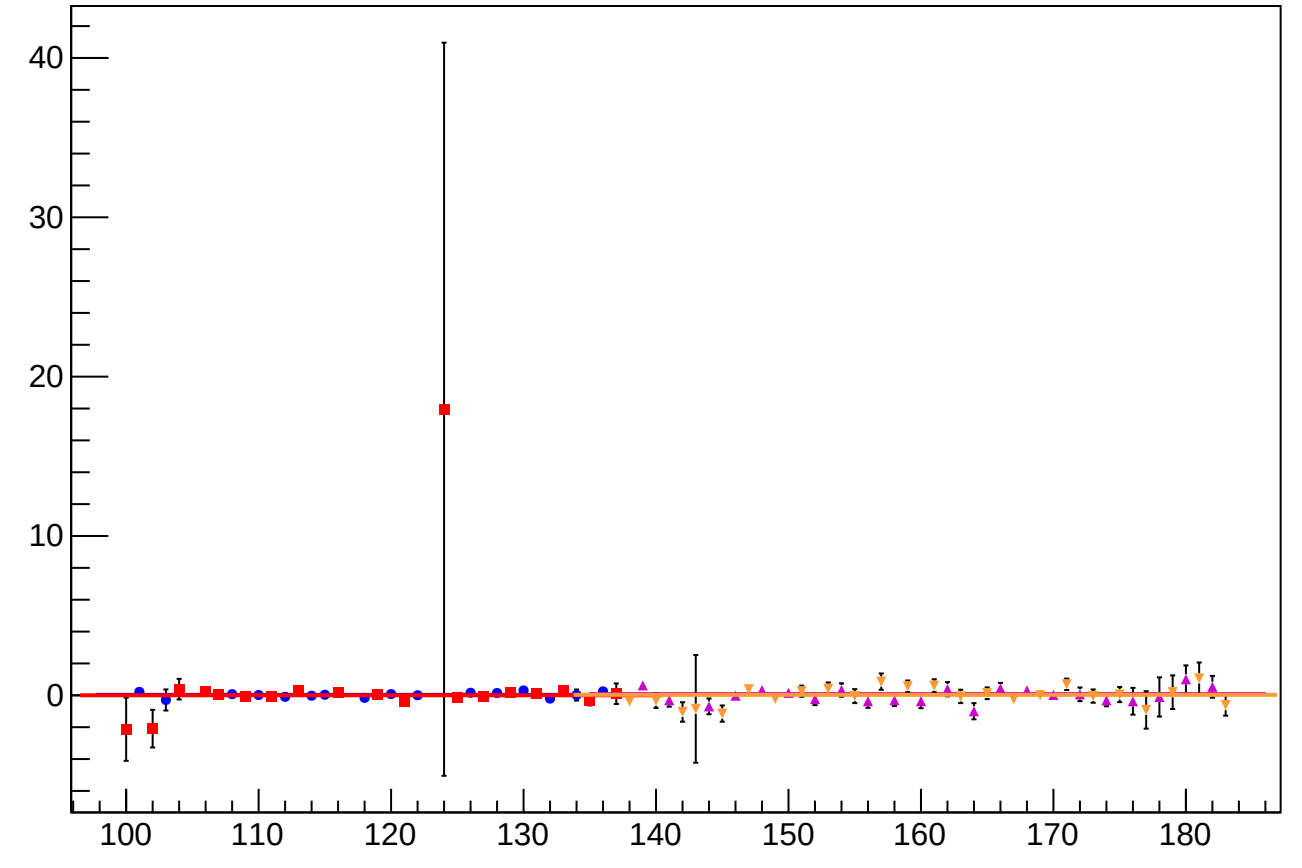
Left: 297.932+/-0.038 χ^2/NDF: 11399403.1/45

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 158.642+/-0.028 χ^2/NDF:15526437.9/37

Out: 149.565+/-0.027 χ^2/NDF:19258973.4/42

All: 153.973+/-0.019 χ^2/NDF: 34841400.7/80



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.032+/-0.077 χ^2/NDF:29.0/23

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: 0.054+/-0.054 χ^2/NDF: 53.3/45

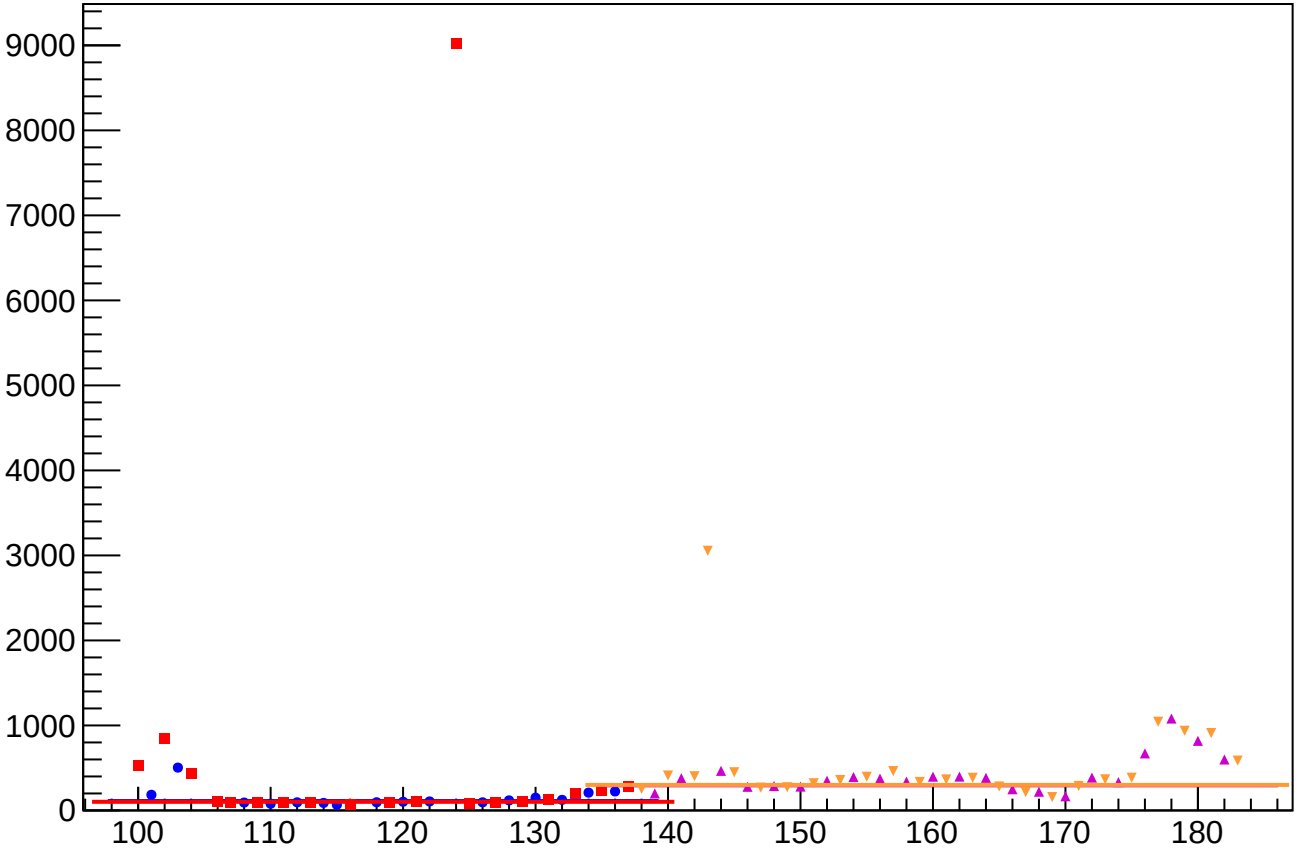
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.041+/-0.039 χ^2/NDF:33.3/37

Out: 0.010+/-0.038 χ^2/NDF:51.5/42

All: 0.025+/-0.027 χ^2/NDF: 85.1/80

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 300.482+/-0.055 χ^2/NDF:6593339.4/23

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 295.460+/-0.054 χ^2/NDF:4801760.3/21

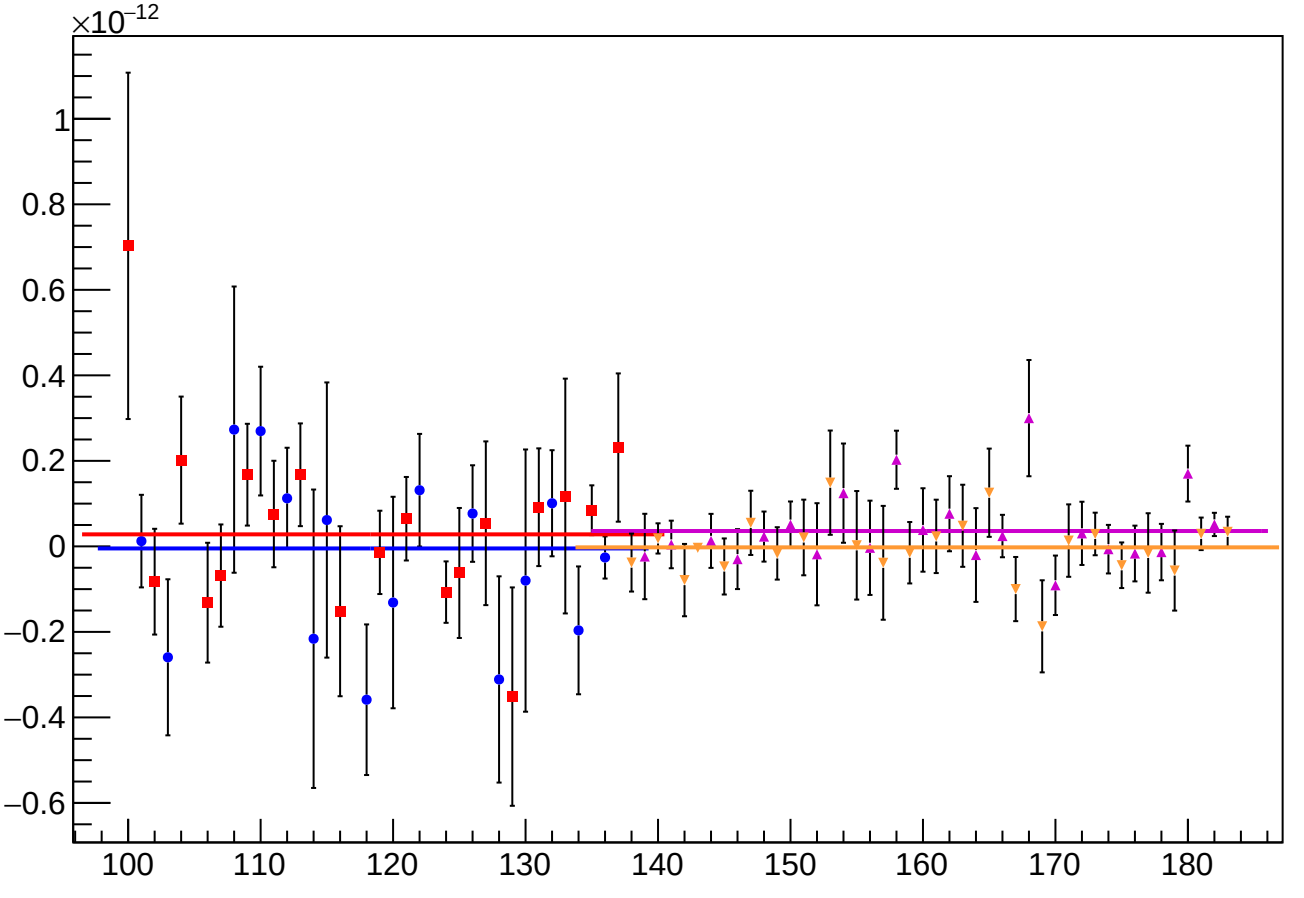
Left: 297.932+/-0.038 χ^2/NDF: 11399403.1/45

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 158.642+/-0.028 χ^2/NDF:15526437.9/37

Out: 149.565+/-0.027 χ^2/NDF:19258973.4/42

All: 153.973+/-0.019 χ^2/NDF: 34841400.7/80



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:22.7/21

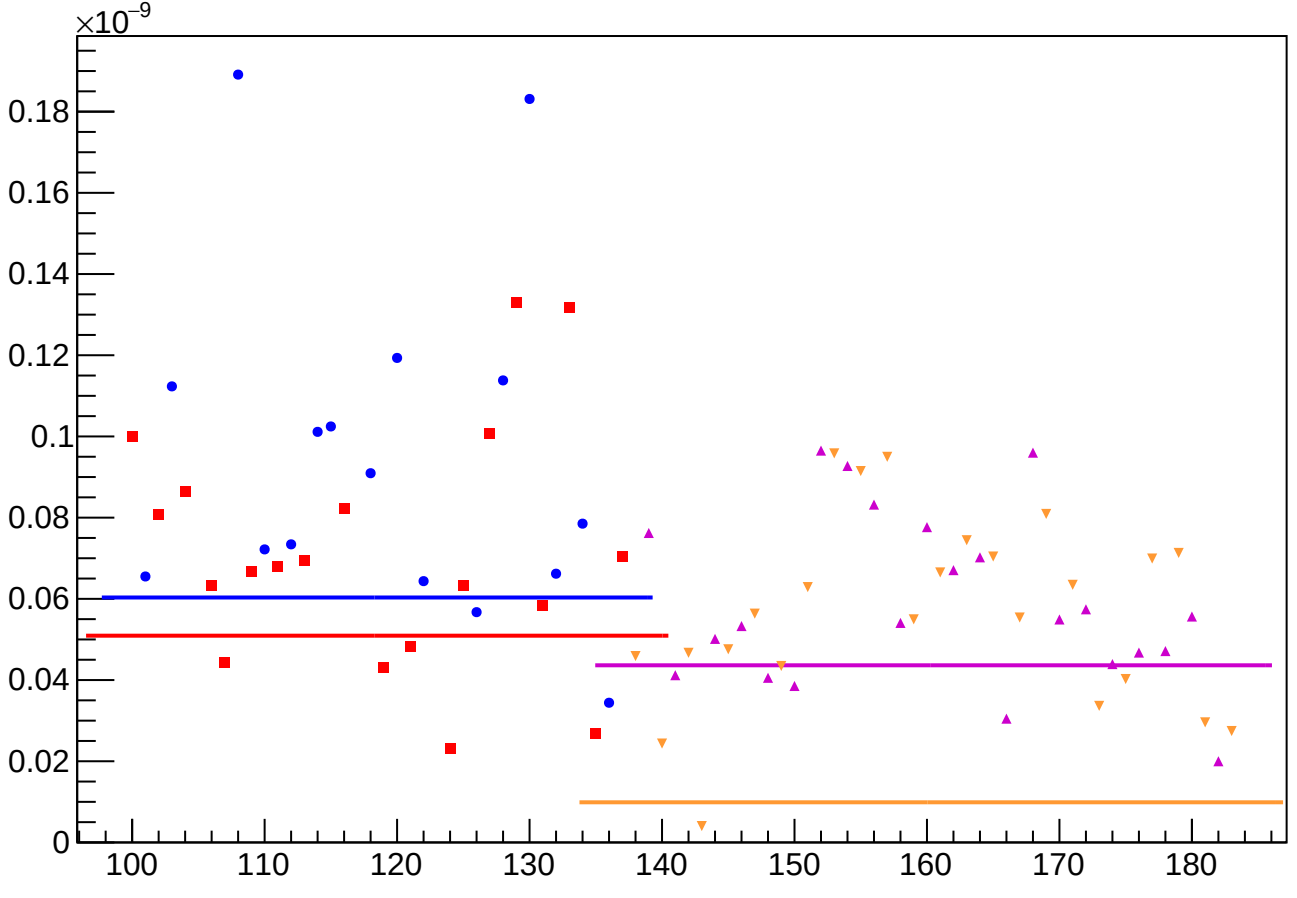
Left: 0.000+/-0.000 χ^2/NDF: 43.6/45

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:34.8/42

All: 0.000+/-0.000 χ^2/NDF: 81.7/80



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18315753.3/23

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: 33205157.3/45

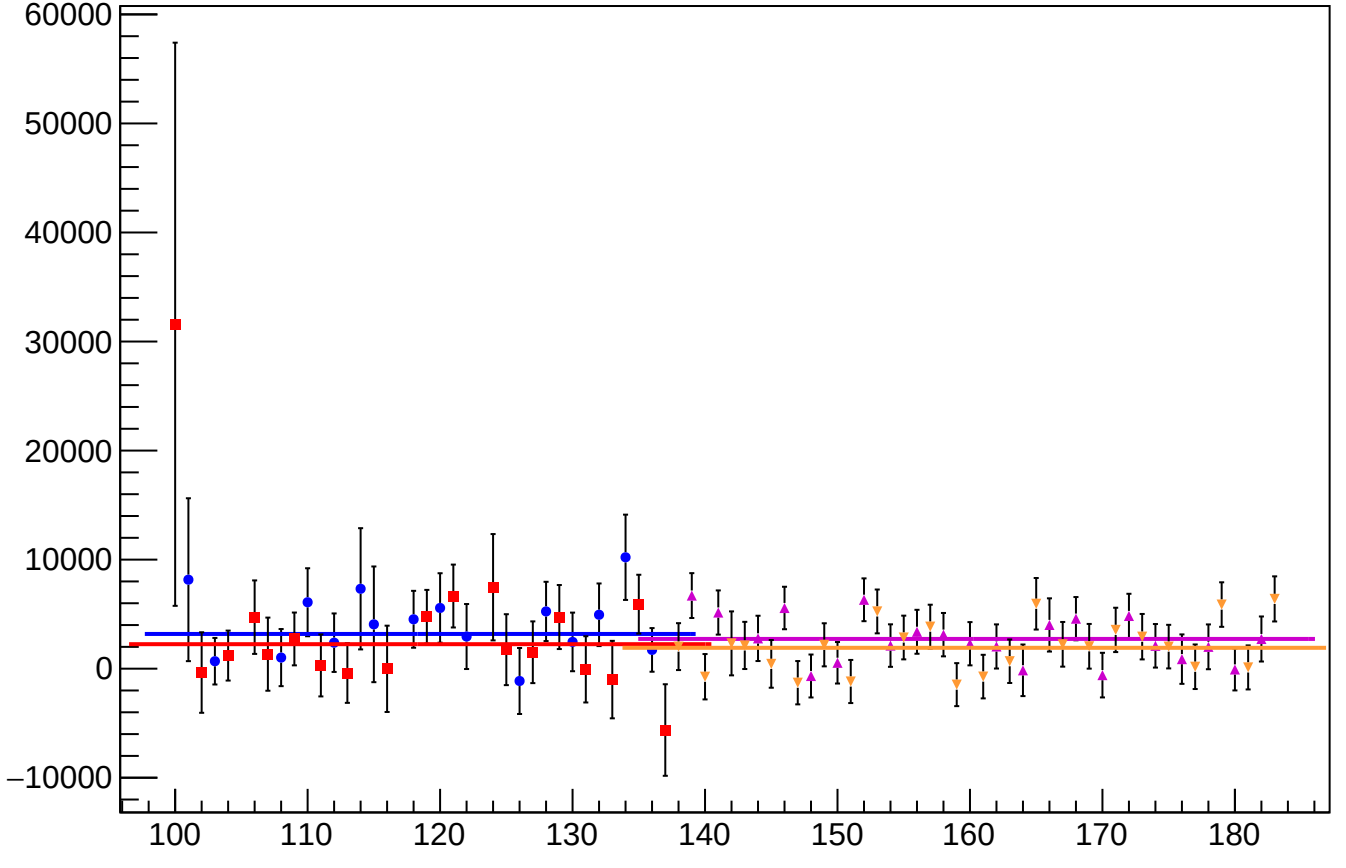
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:6219756.4/37

Out: 0.000+/-0.000 χ^2/NDF:24375397.8/42

All: 0.000+/-0.000 χ^2/NDF: 44075603.6/80

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1913.457+/-422.934 χ^2/NDF:30.0/23

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: 2309.675+/-303.040 χ^2/NDF: 56.5/45

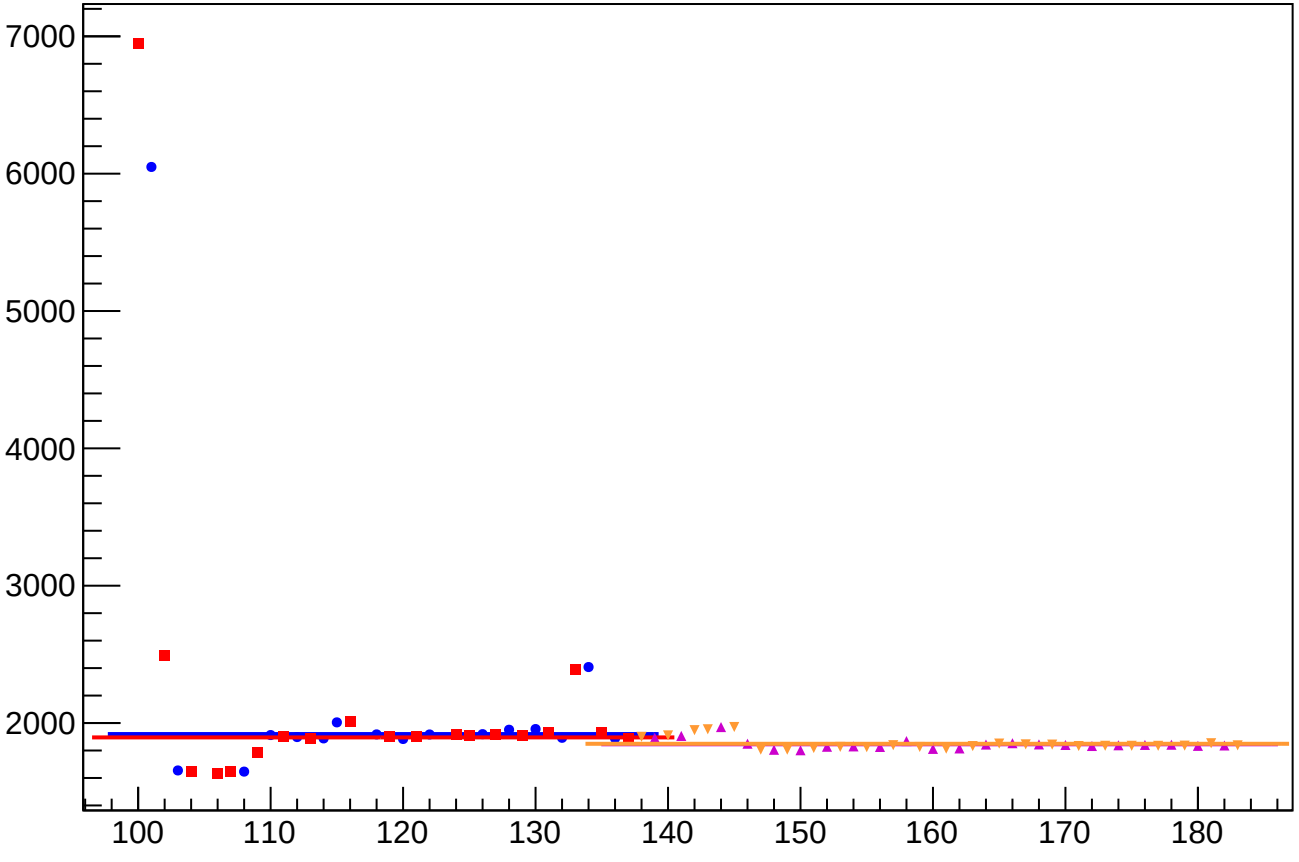
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 2846.693+/-373.470 χ^2/NDF:36.7/37

Out: 2000.401+/-363.475 χ^2/NDF:46.6/42

All: 2412.071+/-260.478 χ^2/NDF: 86.0/80

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1848.902+/-0.299 χ^2/NDF:20769.8/23

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1845.111+/-0.307 χ^2/NDF:14024.3/21

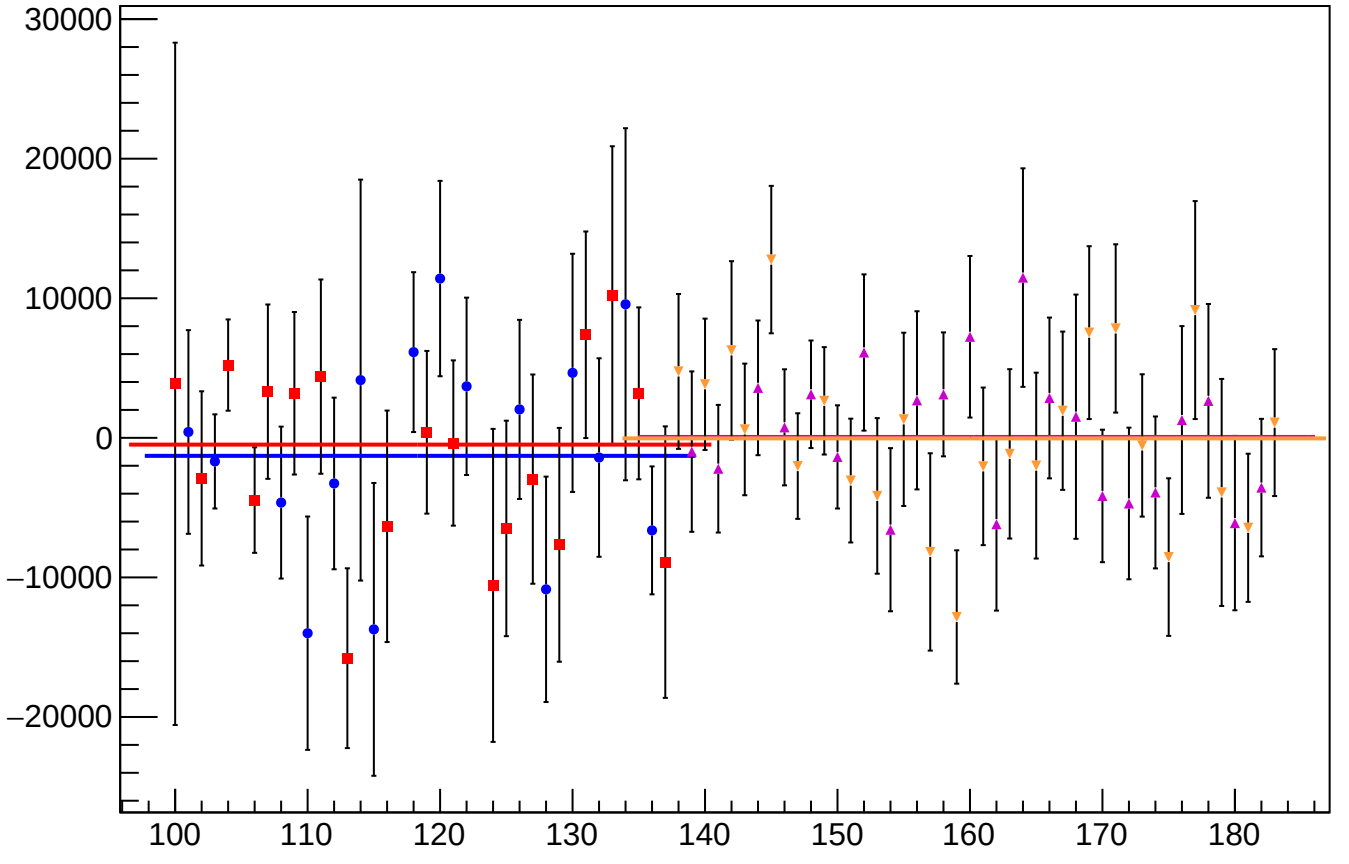
Left: 1847.057+/-0.214 χ^2/NDF: 34872.2/45

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1864.607+/-0.264 χ^2/NDF:726792.3/37

Out: 1861.109+/-0.257 χ^2/NDF:249385.0/42

All: 1862.809+/-0.184 χ^2/NDF: 976267.5/80



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: -38.577+/-1096.395 χ^2/NDF:27.6/23

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 62.571+/-1122.926 χ^2/NDF:13.5/21

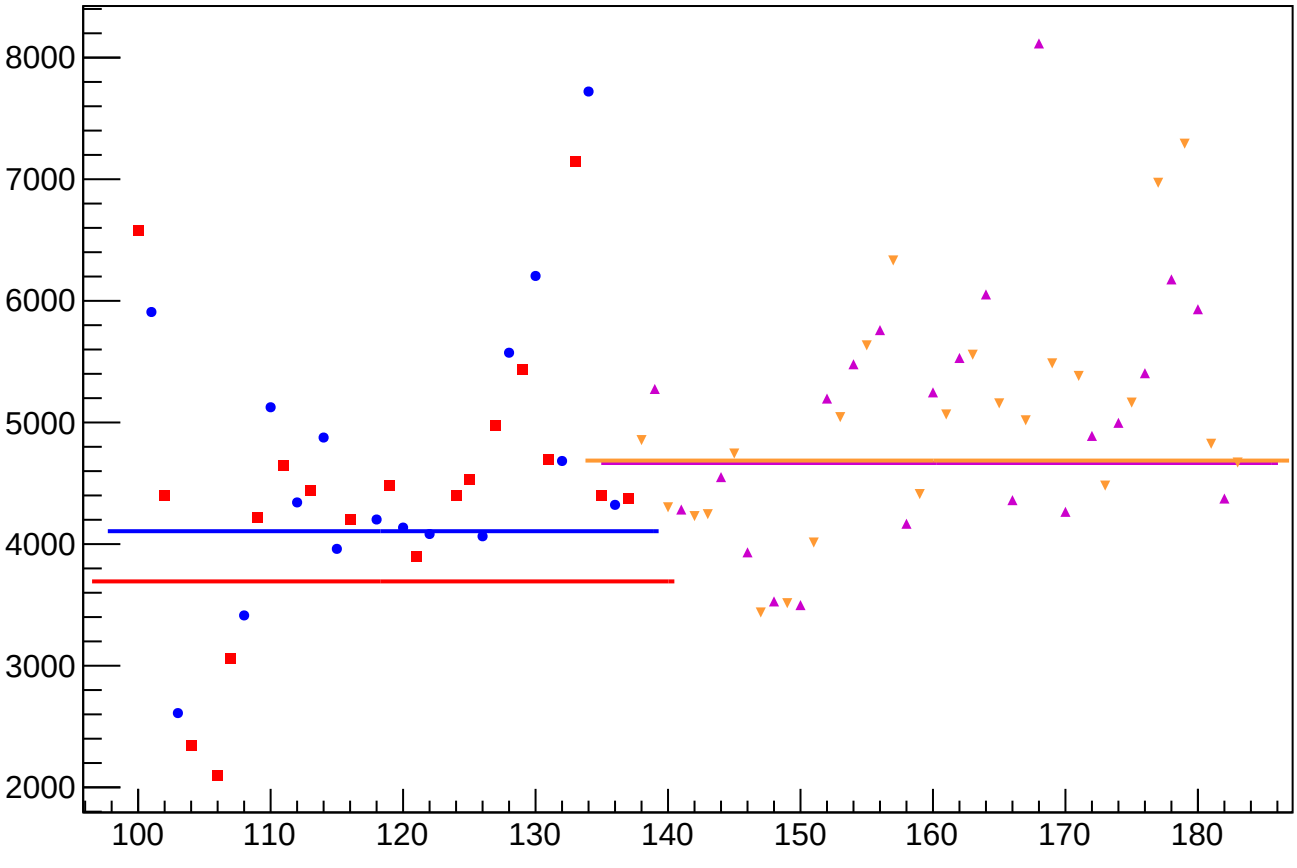
Left: 10.788+/-784.480 χ^2/NDF: 41.0/45

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -389.446+/-916.359 χ^2/NDF:28.2/37

Out: -202.846+/-871.761 χ^2/NDF:44.9/42

All: -291.495+/-631.606 χ^2/NDF: 73.1/80



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4686.783+/-0.775 χ^2/NDF:1185042.0/23

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: 4677.048+/-0.555 χ^2/NDF: 2470993.2/45

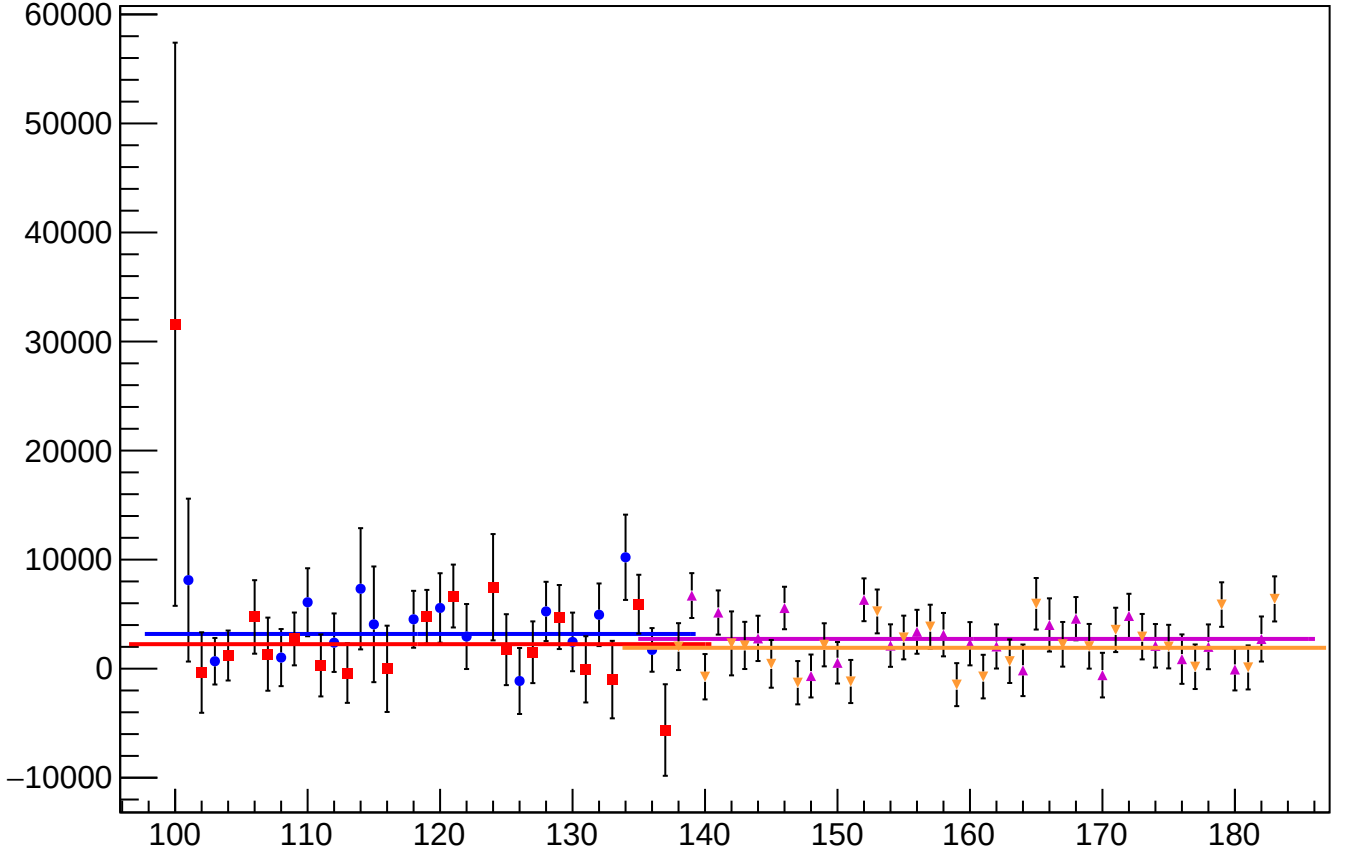
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4479.526+/-0.648 χ^2/NDF:2408336.6/37

Out: 4321.377+/-0.616 χ^2/NDF:3145698.6/42

All: 4396.509+/-0.447 χ^2/NDF: 5585305.2/80

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1913.363+/-422.934 χ^2/NDF:30.0/23

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: 2309.612+/-303.040 χ^2/NDF: 56.5/45

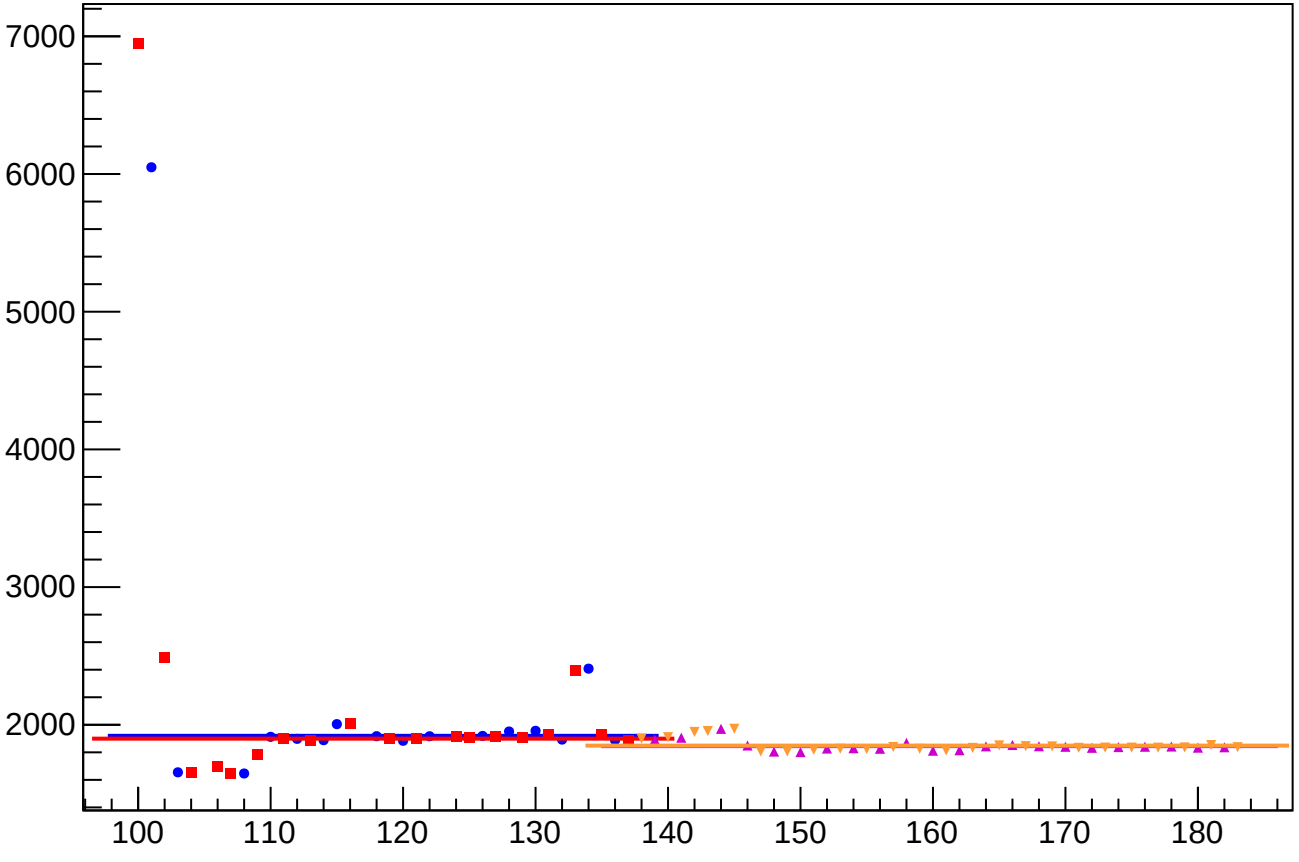
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 2846.480+/-373.470 χ^2/NDF:36.7/37

Out: 2000.628+/-363.476 χ^2/NDF:46.7/42

All: 2412.084+/-260.478 χ^2/NDF: 86.0/80

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1848.902+/-0.299 χ^2/NDF:20769.8/23

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1845.111+/-0.307 χ^2/NDF:14024.3/21

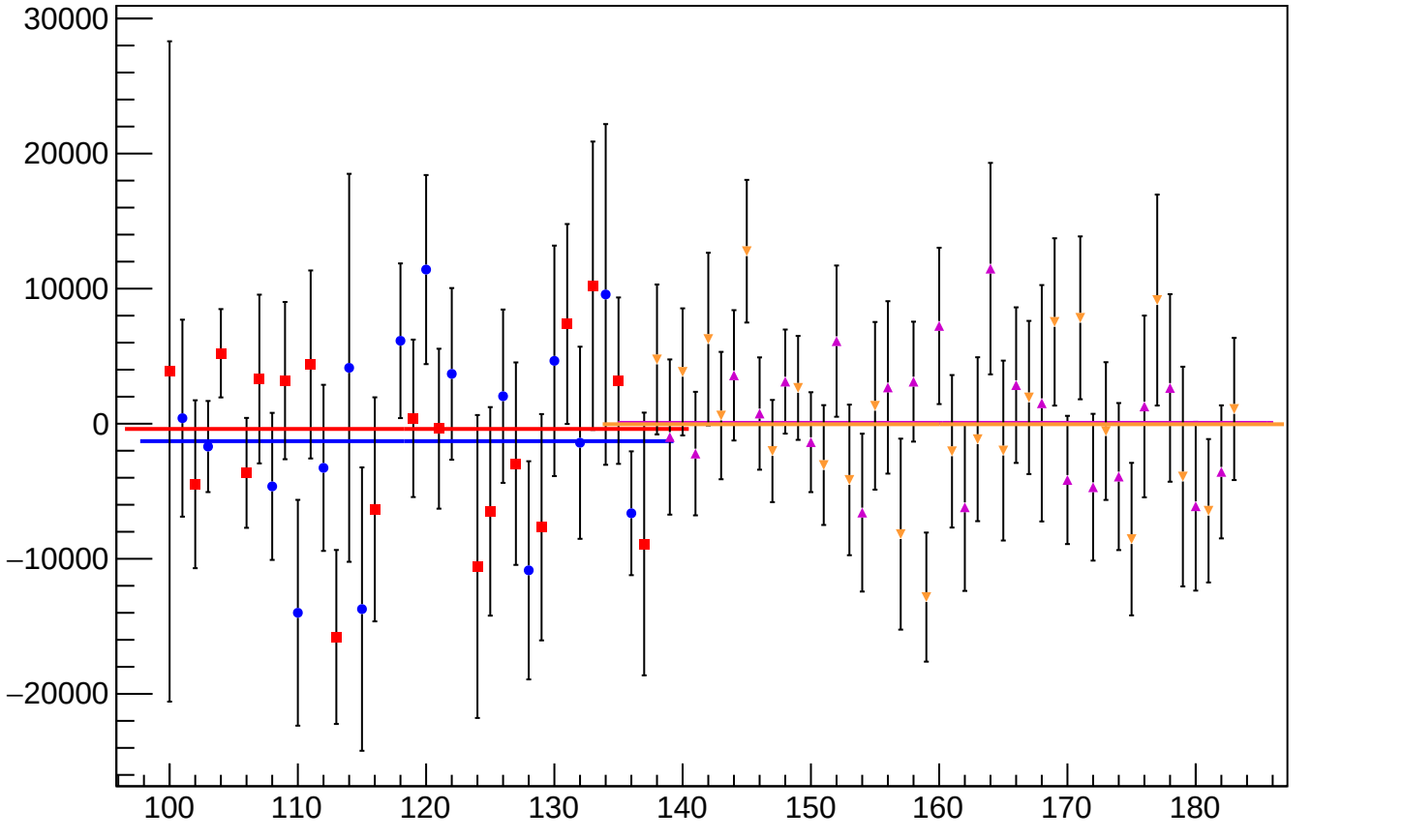
Left: 1847.057+/-0.214 χ^2/NDF: 34872.2/45

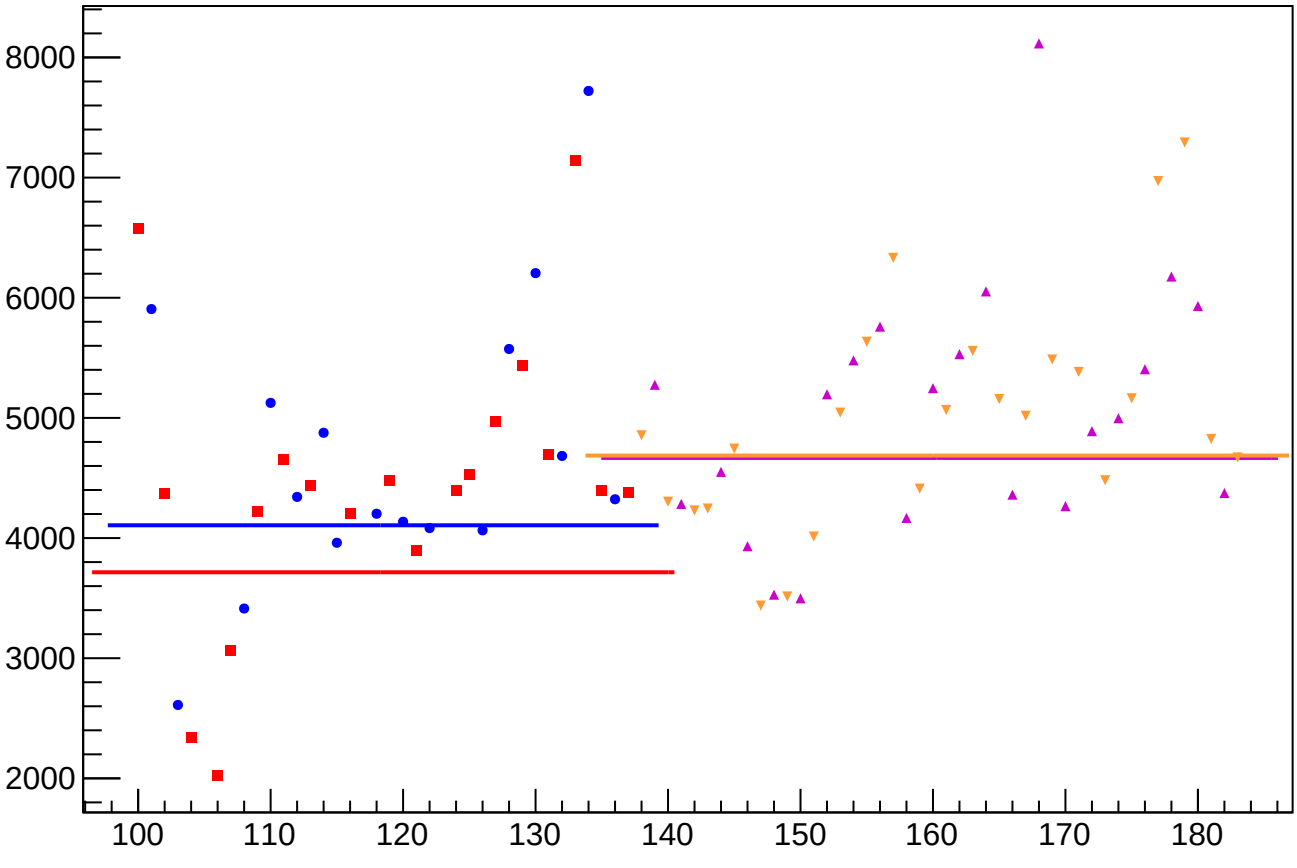
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1864.607+/-0.264 χ^2/NDF:726791.6/37

Out: 1862.124+/-0.257 χ^2/NDF:243884.0/42

All: 1863.331+/-0.184 χ^2/NDF: 970721.0/80


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: -38.596+/-1096.393 χ²/NDF:27.6/23
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 62.541+/-1122.927 χ²/NDF:13.5/21
Left: 10.764+/-784.480 χ²/NDF: 41.0/45
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -389.588+/-916.360 χ²/NDF:28.2/37
Out: -165.389+/-874.869 χ²/NDF:44.6/42
All: -272.298+/-632.785 χ²/NDF: 72.9/80



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4686.774+/-0.775 χ^2/NDF:1185067.4/23

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4666.839+/-0.794 χ^2/NDF:1285624.4/21

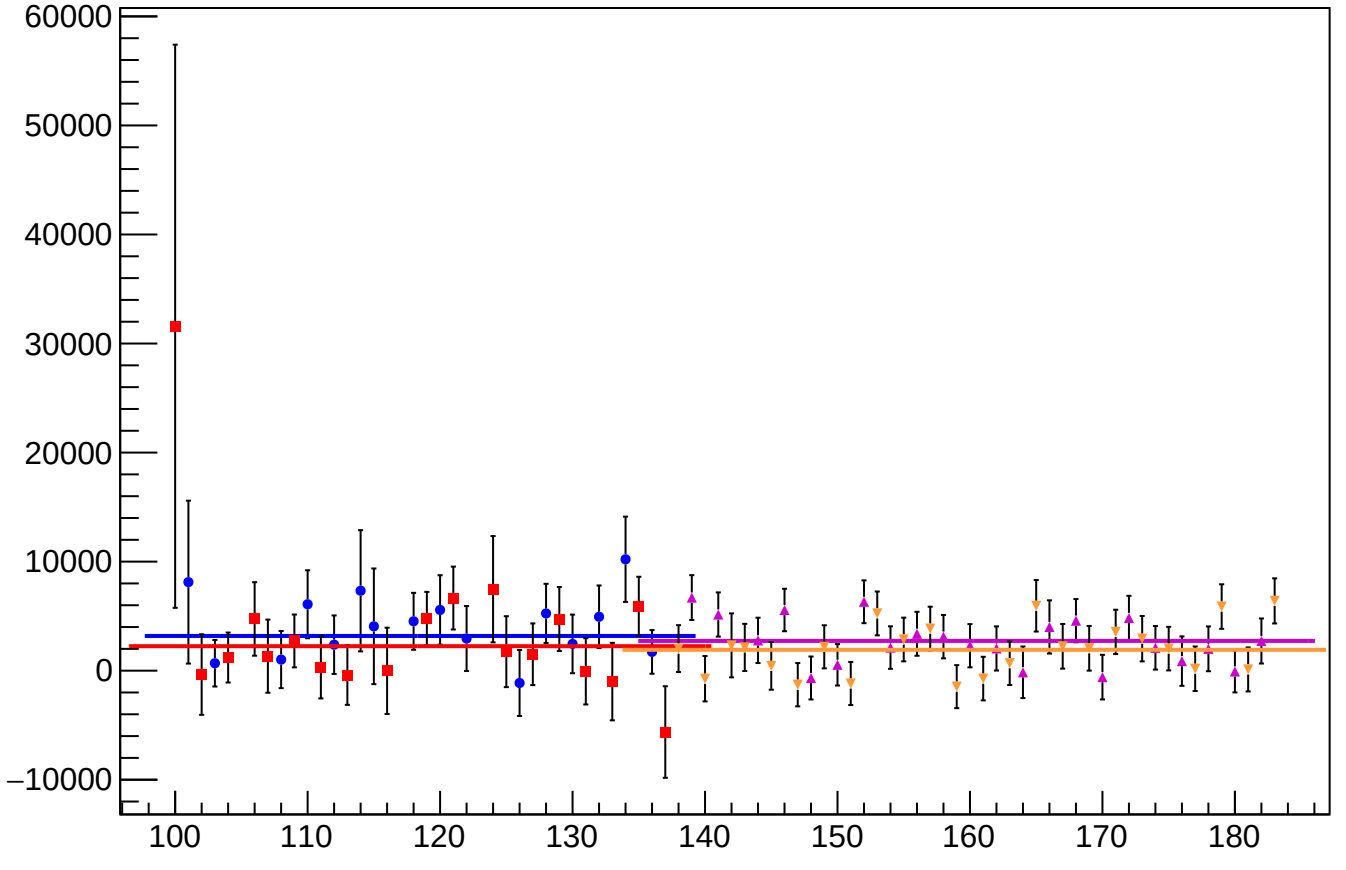
Left: 4677.045+/-0.555 χ^2/NDF: 2471014.6/45

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4479.558+/-0.648 χ^2/NDF:2407779.2/37

Out: 4333.828+/-0.619 χ^2/NDF:3090701.2/42

All: 4403.319+/-0.447 χ^2/NDF: 5524942.4/80



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1913.363+/-422.934 χ^2/NDF:30.0/23

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 2727.682+/-434.423 χ^2/NDF:24.7/21

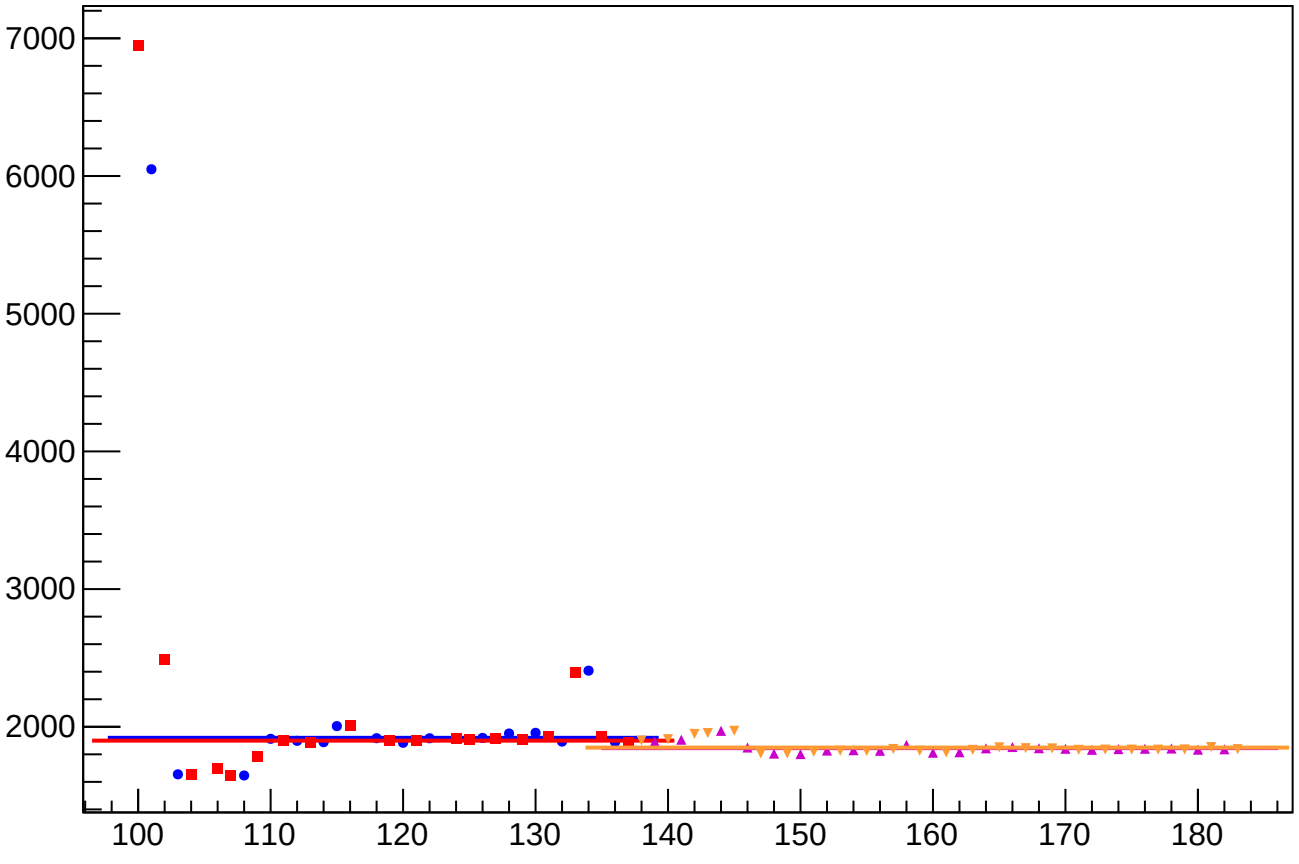
Left: 2309.612+/-303.040 χ^2/NDF: 56.5/45

Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

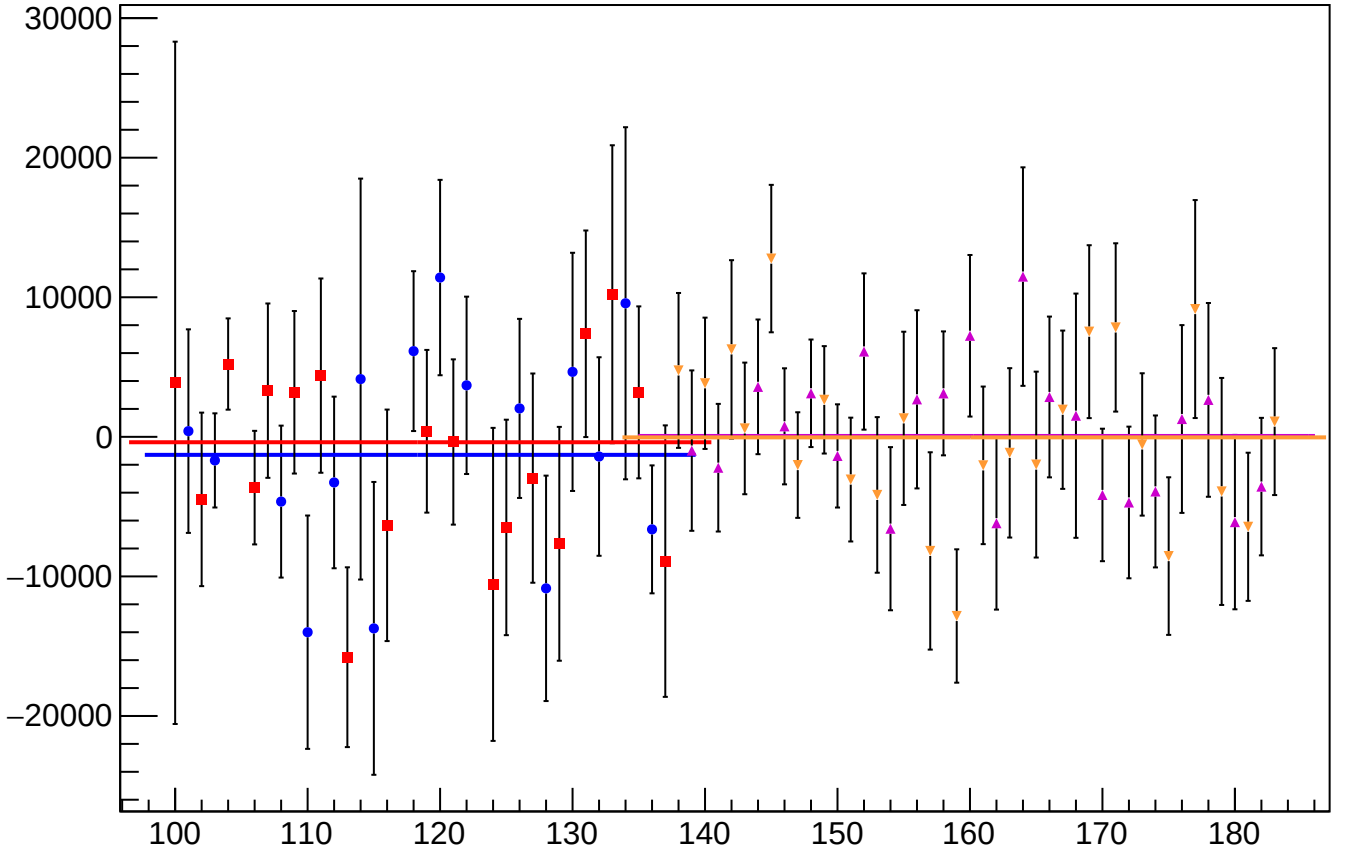
In: 2846.480+/-373.470 χ^2/NDF:36.7/37

Out: 2000.628+/-363.476 χ^2/NDF:46.7/42

All: 2412.084+/-260.478 χ^2/NDF: 86.0/80


eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 1919.827+/-0.517 χ²/NDF: 697330.6/15
Left Out: 1848.902+/-0.299 χ²/NDF:20769.8/23
Right Out: 1899.364+/-0.502 χ²/NDF: 215654.1/18
Left In: 1845.111+/-0.307 χ²/NDF:14024.3/21
Left: 1847.057+/-0.214 χ²/NDF: 34872.2/45
Right: 1909.293+/-0.360 χ²/NDF: 913791.4/34
In: 1864.607+/-0.264 χ²/NDF:726791.6/37
Out: 1862.124+/-0.257 χ²/NDF:243884.0/42
All: 1863.331+/-0.184 χ²/NDF: 970721.0/80

asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -38.596+/-1096.393 χ^2/NDF:27.6/23

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 62.541+/-1122.927 χ^2/NDF:13.5/21

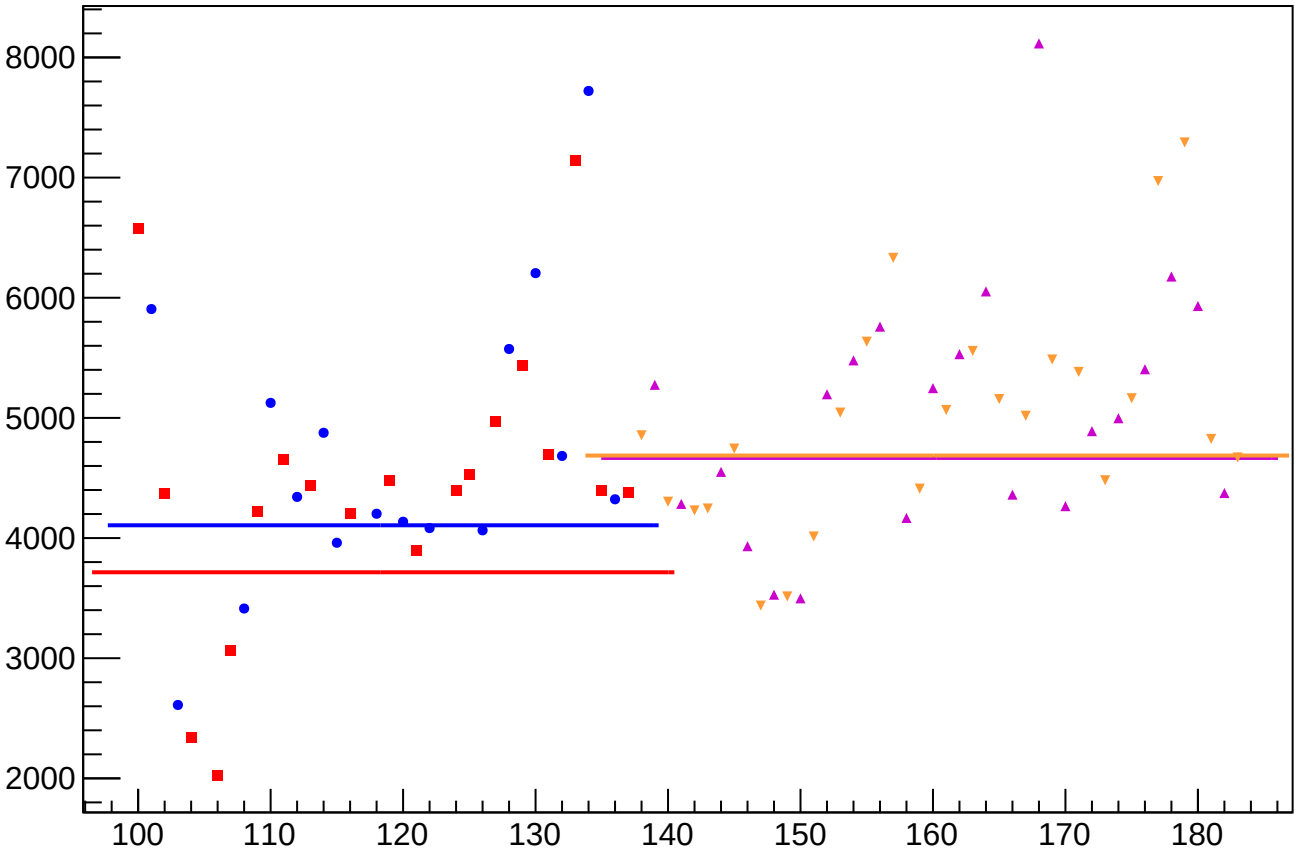
Left: 10.764+/-784.480 χ^2/NDF: 41.0/45

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -389.588+/-916.360 χ^2/NDF:28.2/37

Out: -165.389+/-874.869 χ^2/NDF:44.6/42

All: -272.298+/-632.785 χ^2/NDF: 72.9/80



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4686.774+/-0.775 χ^2/NDF:1185067.4/23

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: 4677.045+/-0.555 χ^2/NDF: 2471014.6/45

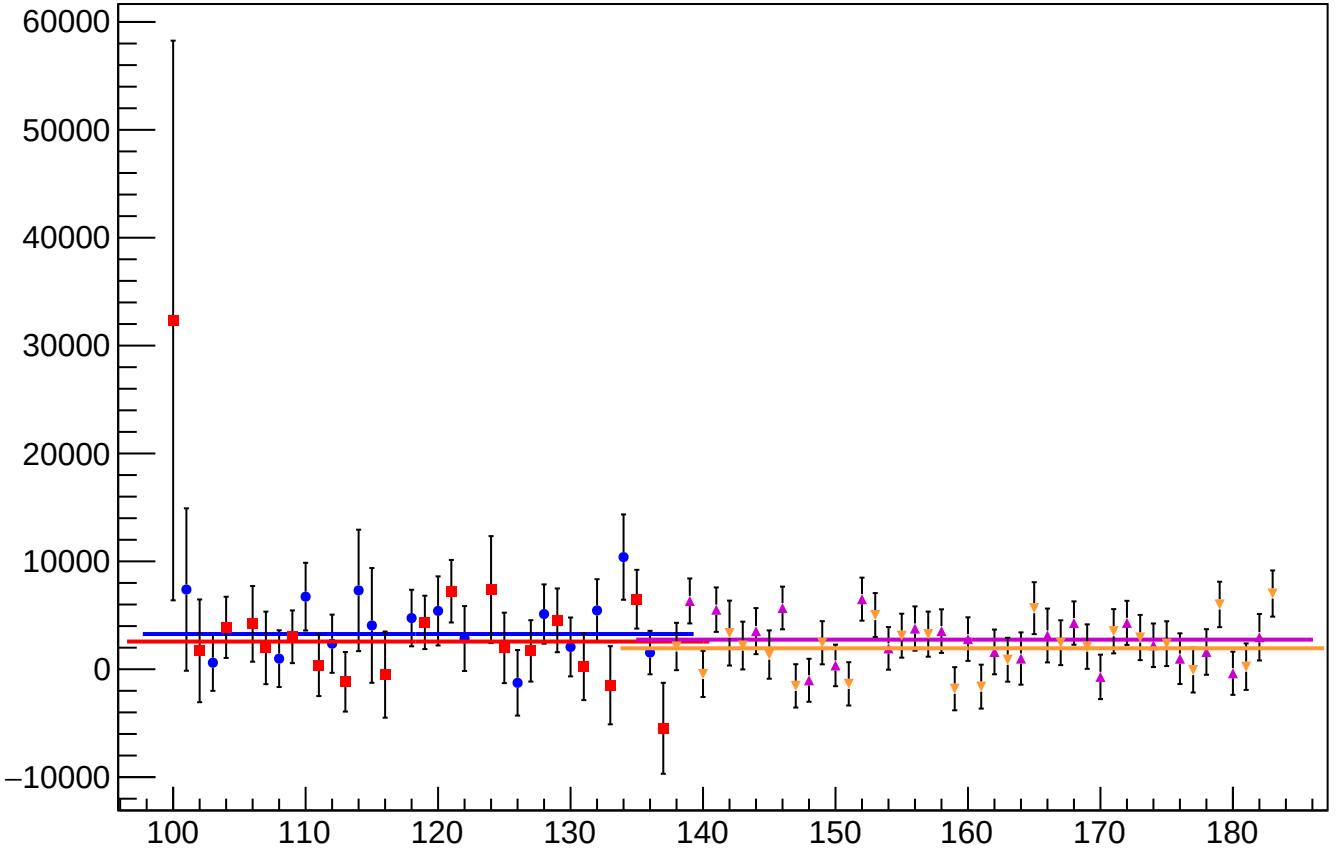
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4479.558+/-0.648 χ^2/NDF:2407779.2/37

Out: 4333.828+/-0.619 χ^2/NDF:3090701.2/42

All: 4403.319+/-0.447 χ^2/NDF: 5524942.4/80

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1944.818+/-432.042 χ^2/NDF:31.4/23

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: 2334.724+/-309.249 χ^2/NDF: 57.6/45

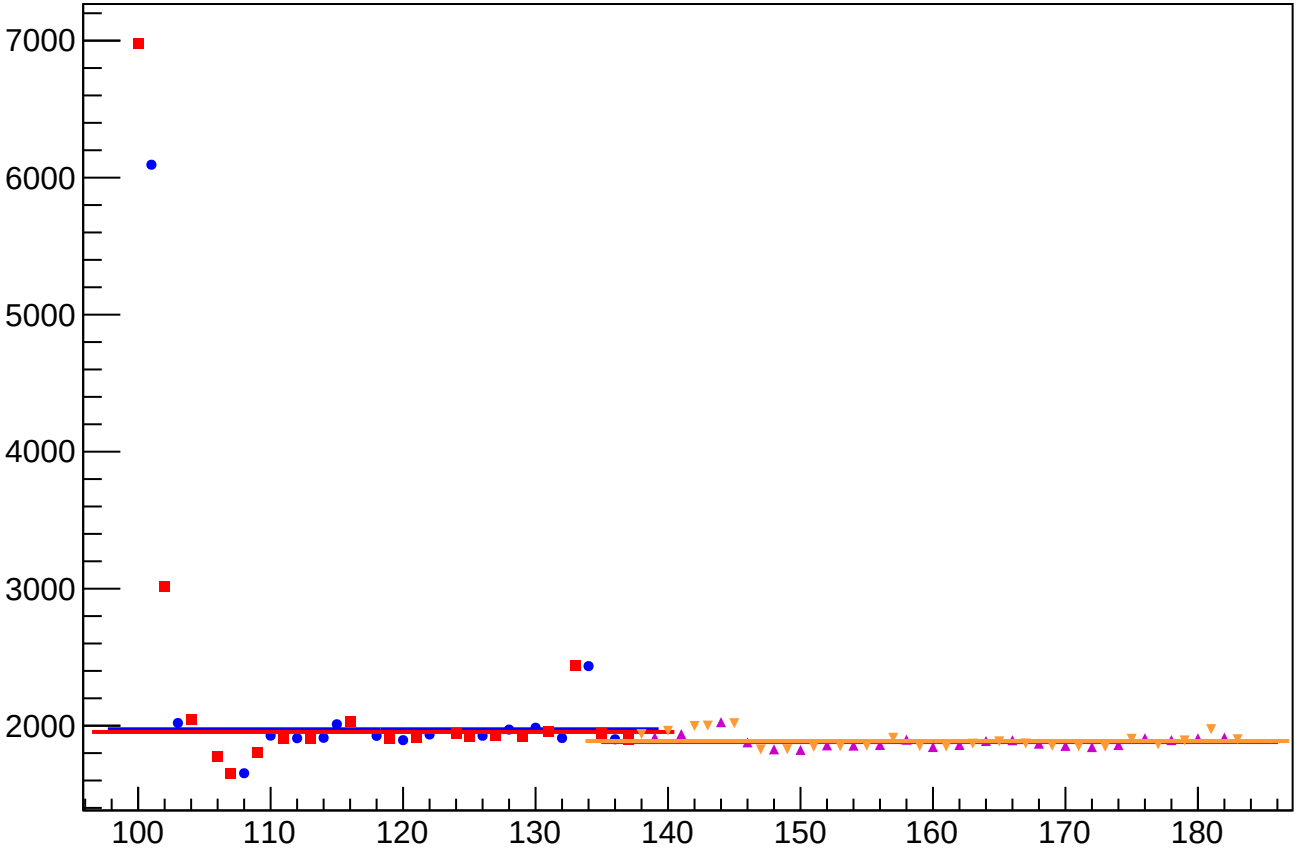
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 2878.642+/-381.446 χ^2/NDF:37.0/37

Out: 2104.550+/-372.445 χ^2/NDF:48.9/42

All: 2482.354+/-266.484 χ^2/NDF: 88.1/80

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1888.246+/-0.305 χ^2/NDF:31583.1/23

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1880.583+/-0.313 χ^2/NDF:19037.6/21

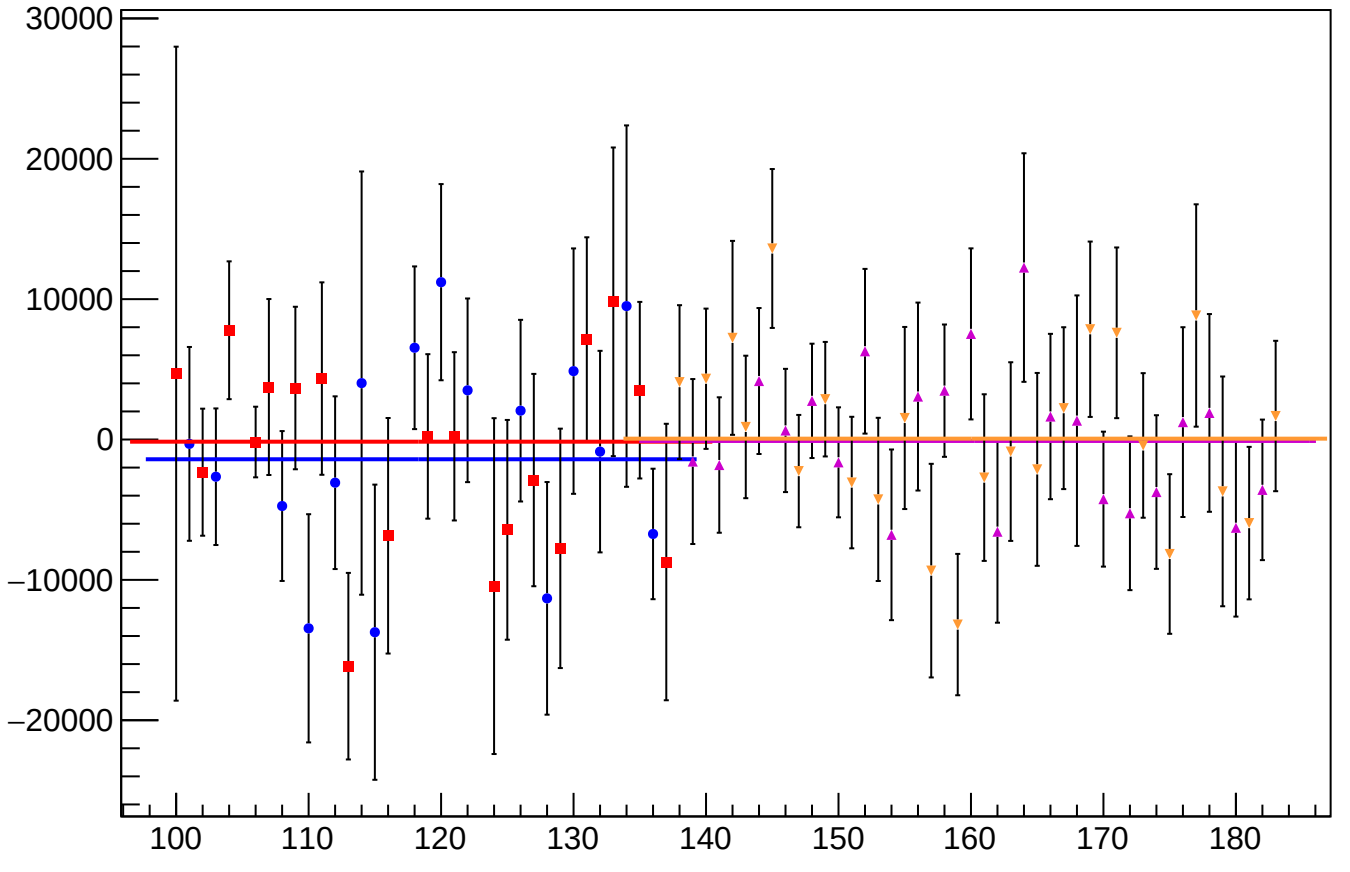
Left: 1884.509+/-0.219 χ^2/NDF: 50927.5/45

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1904.626+/-0.270 χ^2/NDF:707006.0/37

Out: 1905.245+/-0.263 χ^2/NDF:289832.3/42

All: 1904.943+/-0.188 χ^2/NDF: 996840.9/80



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 60.591+/-1141.347 χ^2/NDF:26.8/23

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: -102.764+/-1167.497 χ^2/NDF:13.3/21

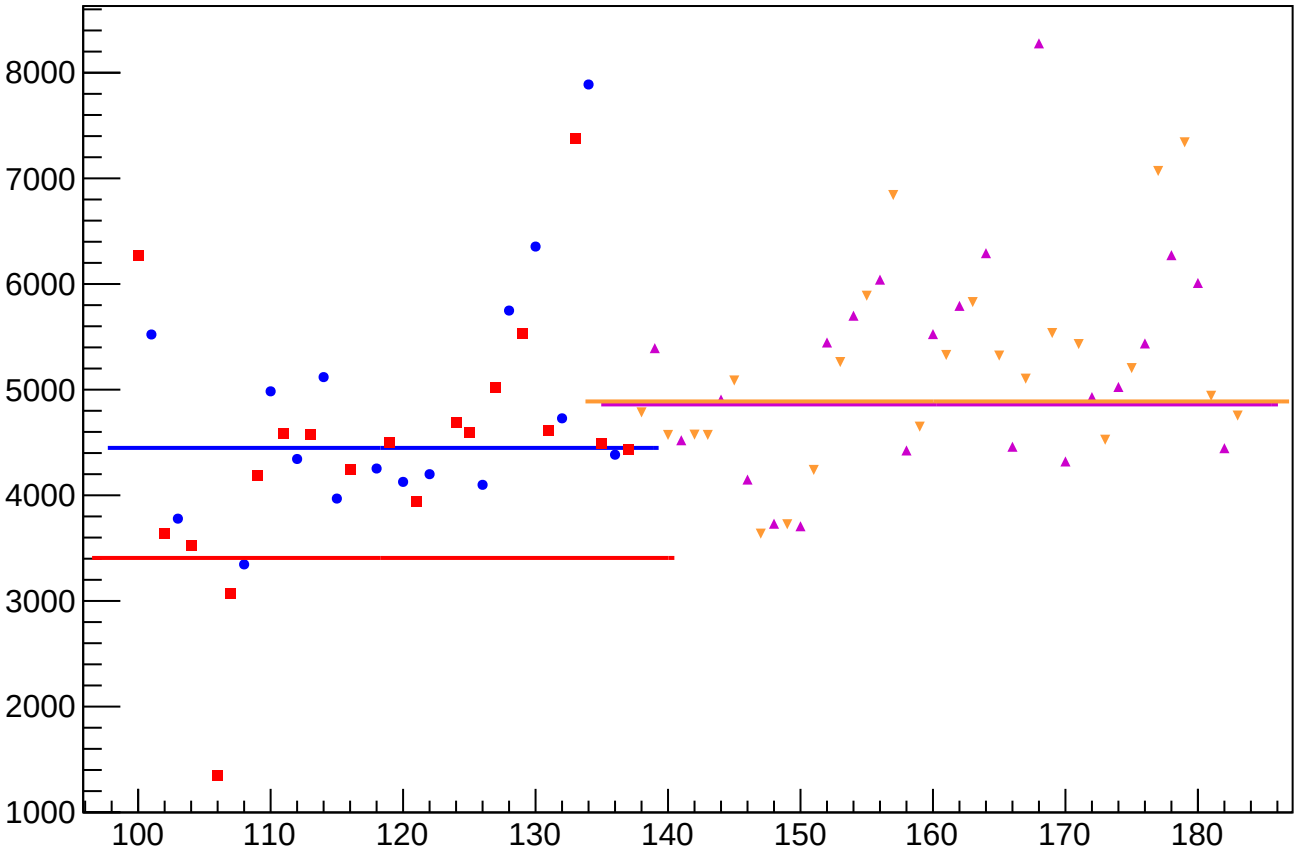
Left: -19.237+/-816.143 χ^2/NDF: 40.2/45

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -524.241+/-960.570 χ^2/NDF:28.0/37

Out: -28.334+/-875.234 χ^2/NDF:42.7/42

All: -253.285+/-646.954 χ^2/NDF: 70.8/80



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4888.485+/-0.807 χ^2/NDF:1063251.1/23

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4860.191+/-0.826 χ^2/NDF:1175128.0/21

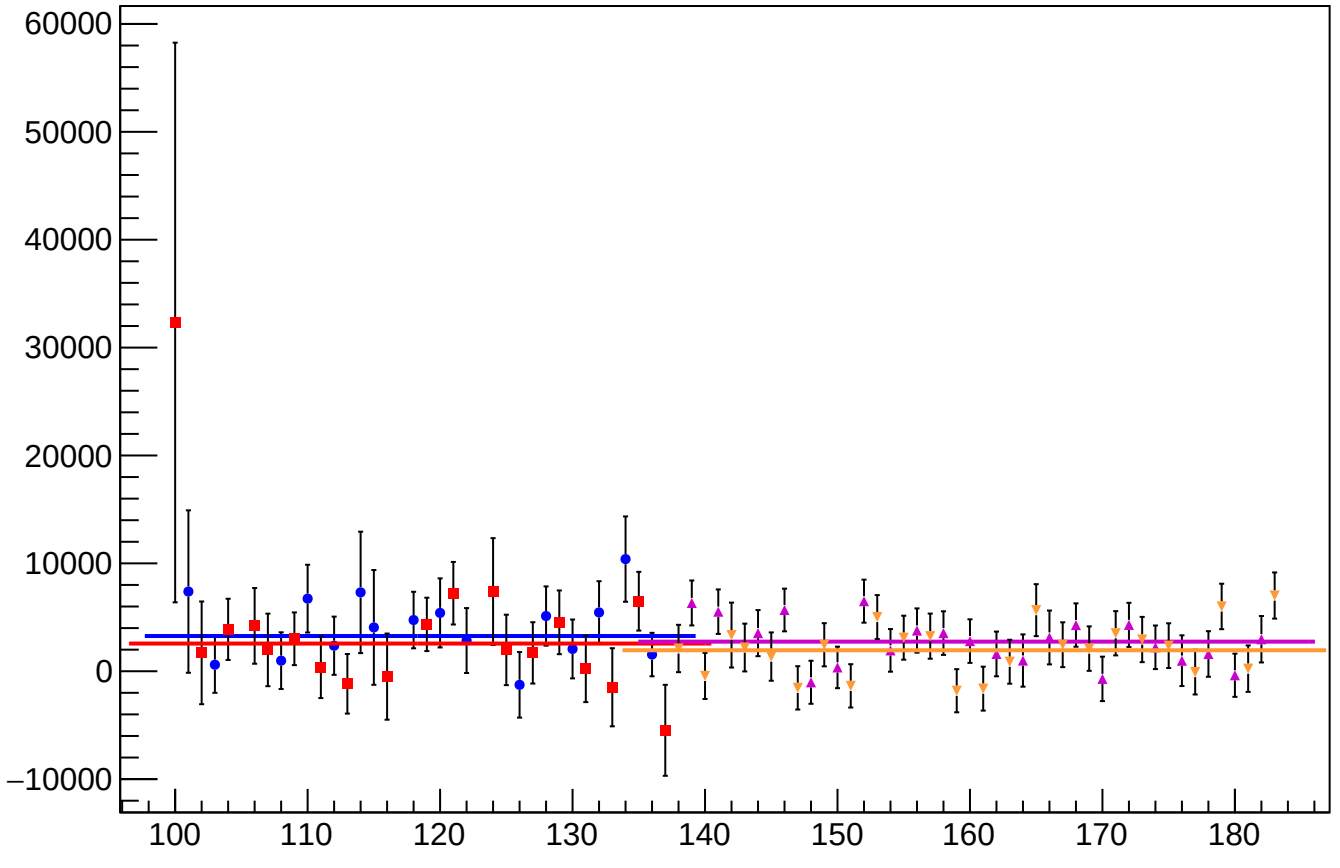
Left: 4874.658+/-0.577 χ^2/NDF: 2238979.6/45

Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4727.256+/-0.679 χ^2/NDF:1750002.9/37

Out: 4278.236+/-0.619 χ^2/NDF:4777220.2/42

All: 4481.919+/-0.457 χ^2/NDF: 6766005.0/80



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1944.813+/-432.042 χ^2/NDF:31.4/23

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 2744.376+/-442.847 χ^2/NDF:24.5/21

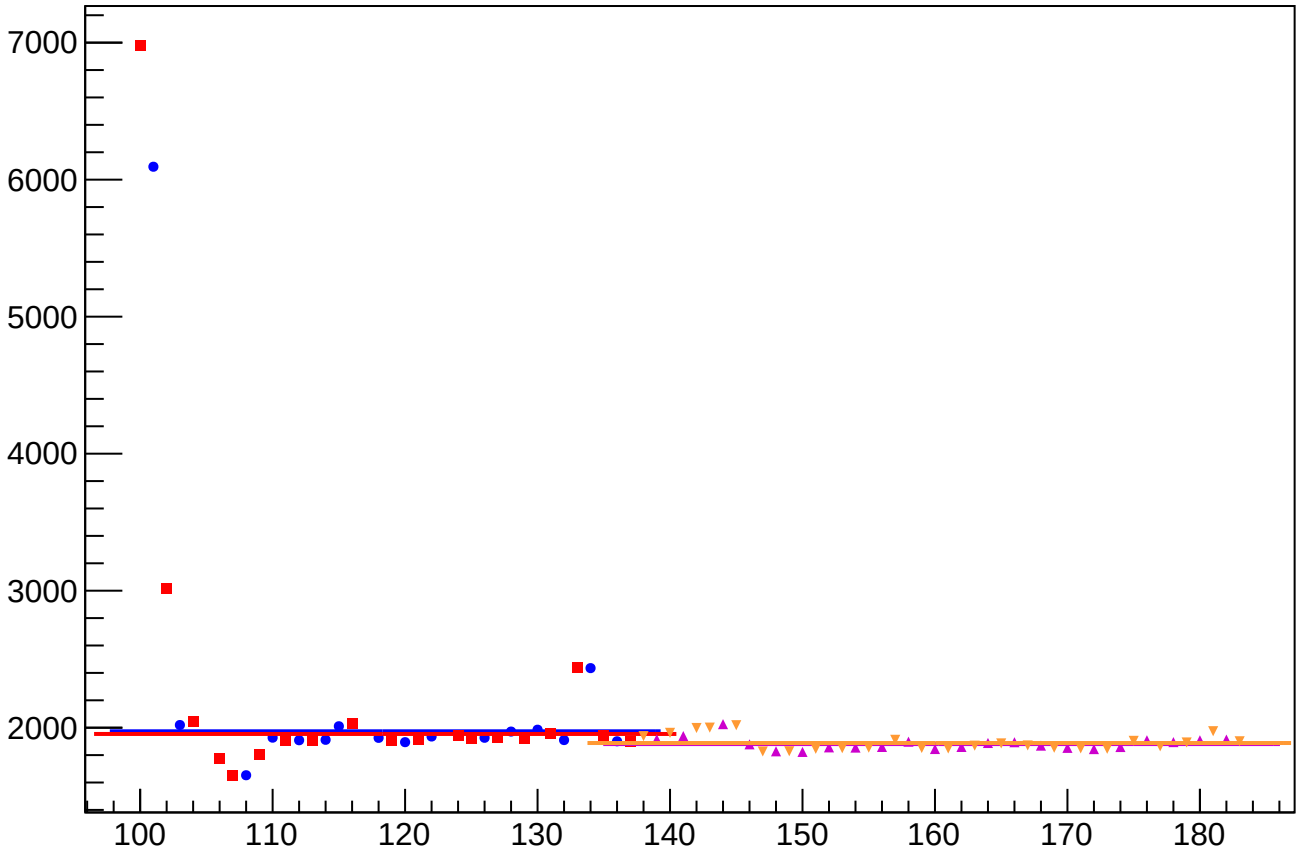
Left: 2334.722+/-309.249 χ^2/NDF: 57.6/45

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 2878.644+/-381.447 χ^2/NDF:37.0/37

Out: 2104.548+/-372.445 χ^2/NDF:48.9/42

All: 2482.354+/-266.484 χ^2/NDF: 88.1/80



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1888.247+/-0.306 χ^2/NDF:31583.1/23

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1880.584+/-0.313 χ^2/NDF:19037.5/21

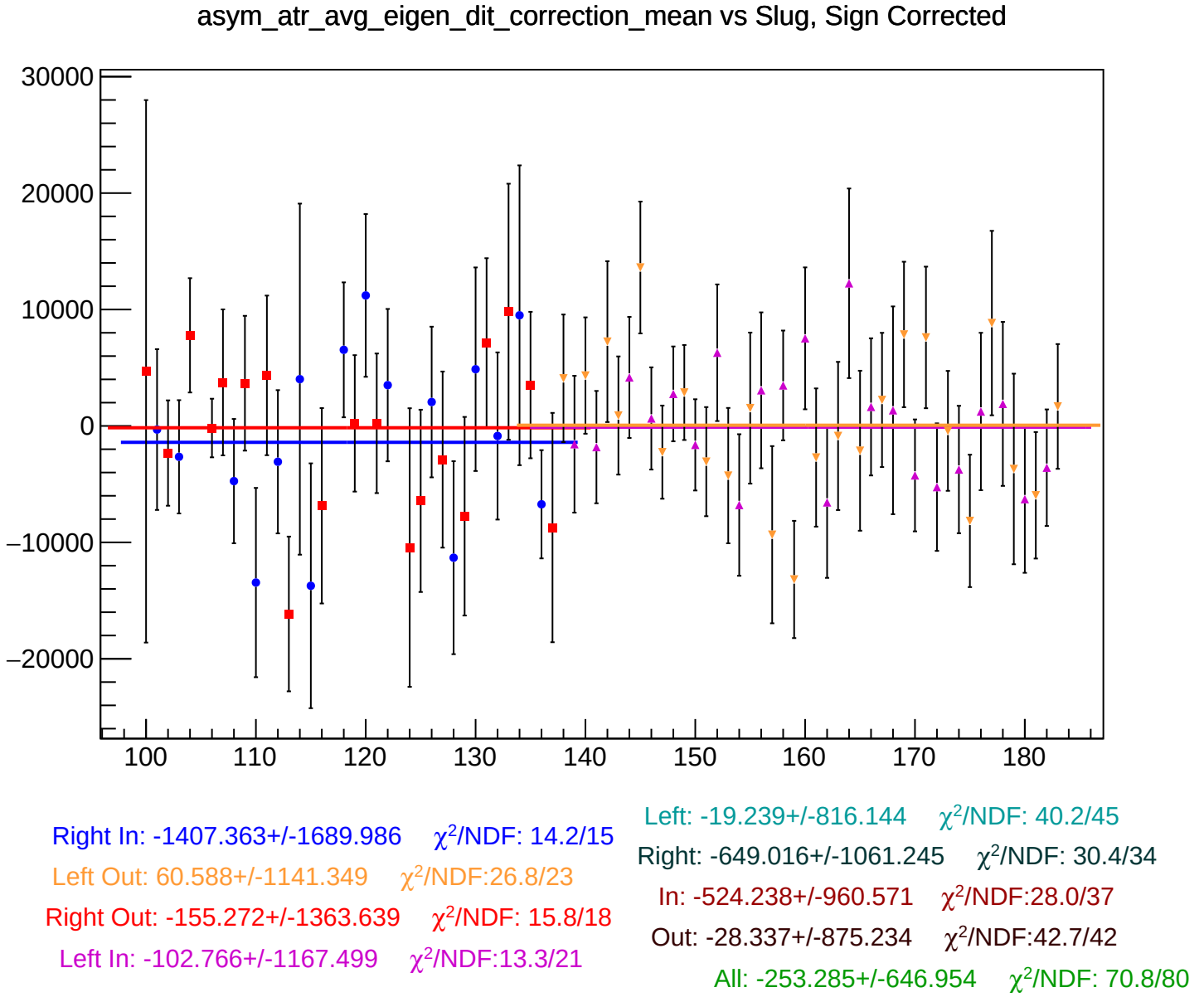
Left: 1884.510+/-0.219 χ^2/NDF: 50927.5/45

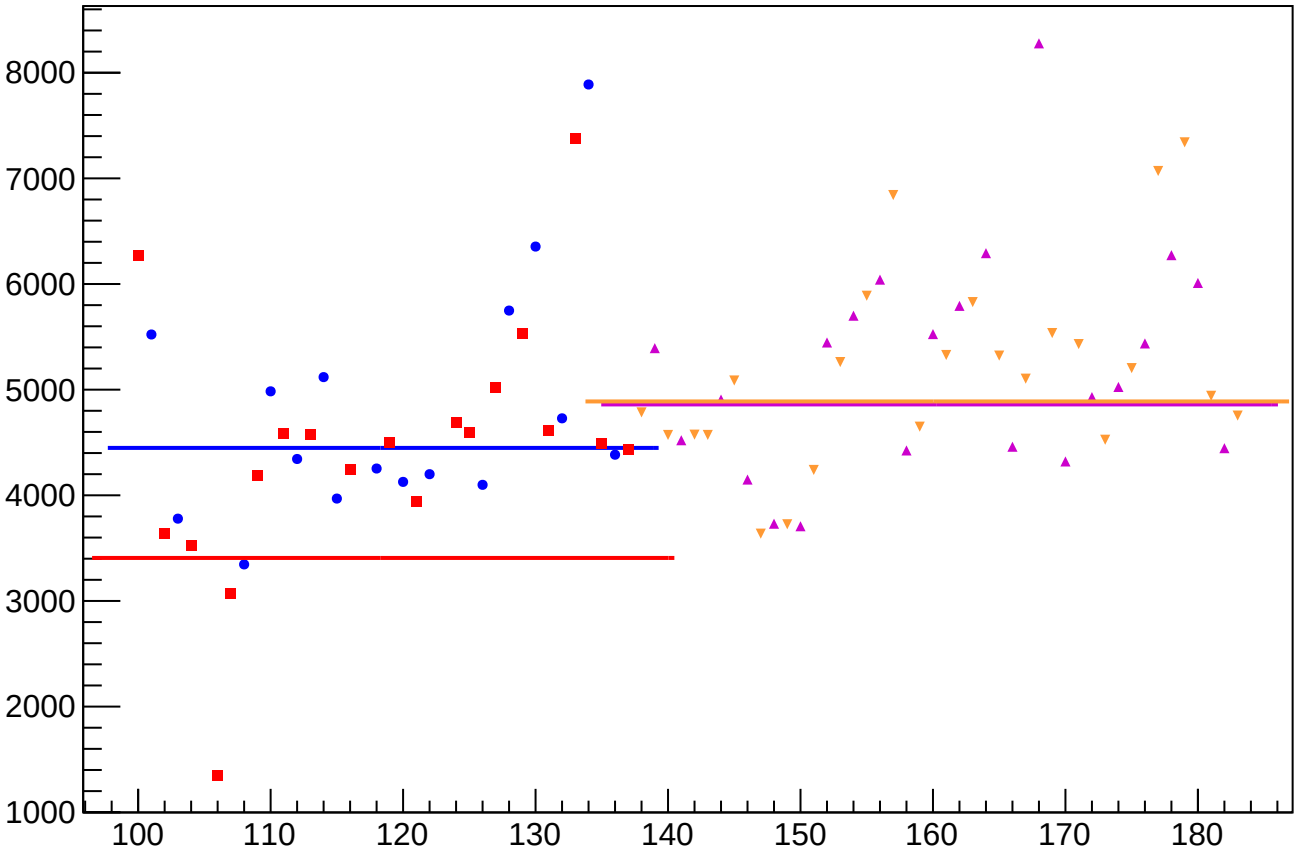
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1904.627+/-0.270 χ^2/NDF:707005.4/37

Out: 1905.245+/-0.263 χ^2/NDF:289831.5/42

All: 1904.943+/-0.188 χ^2/NDF: 996839.6/80


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: 60.588+/-1141.349 χ²/NDF:26.8/23
Right Out: -155.272+/-1363.639 χ²/NDF: 15.8/18
Left In: -102.766+/-1167.499 χ²/NDF:13.3/21
Left: -19.239+/-816.144 χ²/NDF: 40.2/45
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: -524.238+/-960.571 χ²/NDF:28.0/37
Out: -28.337+/-875.234 χ²/NDF:42.7/42
All: -253.285+/-646.954 χ²/NDF: 70.8/80



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4888.492+/-0.807 χ^2/NDF:1063252.5/23

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: 4874.666+/-0.577 χ^2/NDF: 2238983.7/45

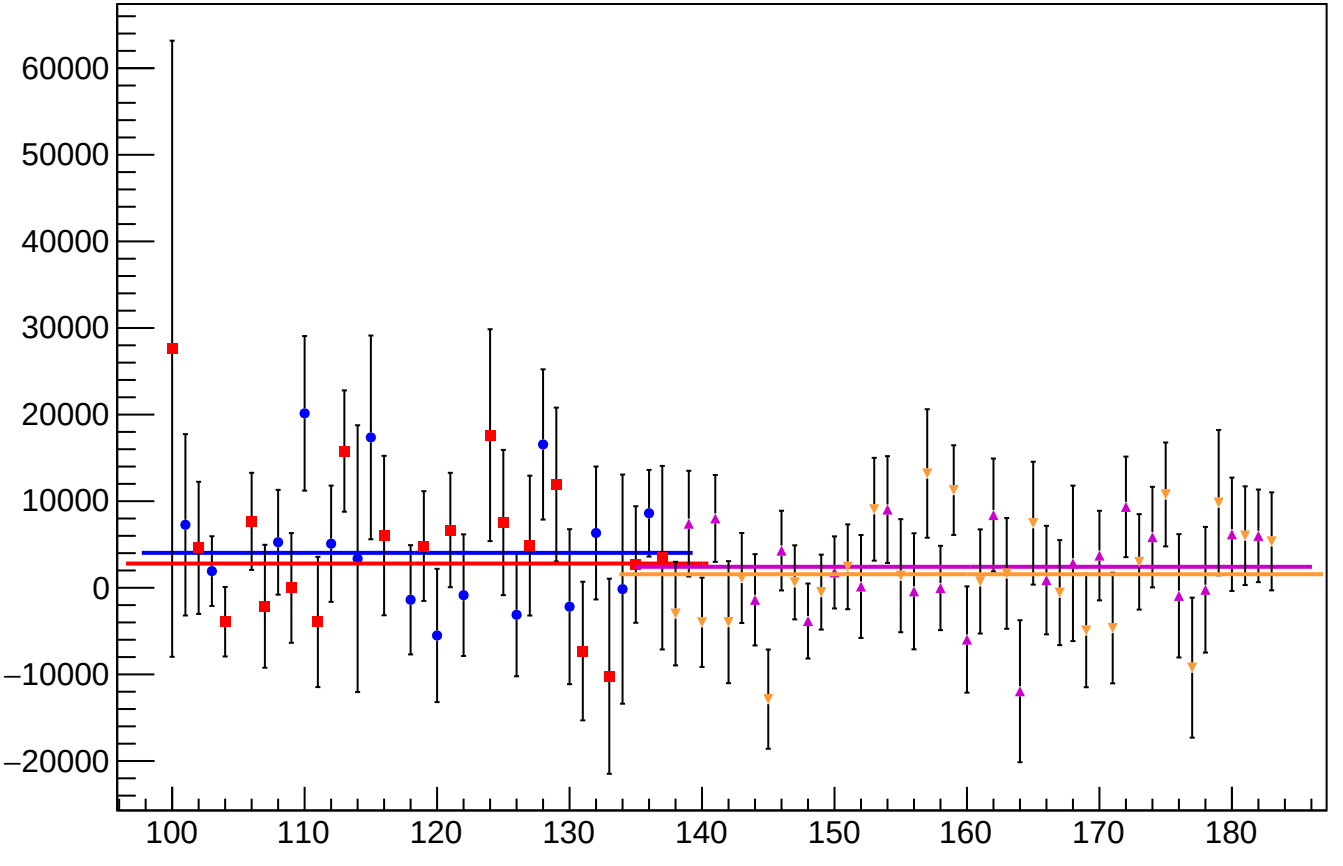
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4727.258+/-0.679 χ^2/NDF:1750008.4/37

Out: 4278.235+/-0.619 χ^2/NDF:4777256.9/42

All: 4481.919+/-0.457 χ^2/NDF: 6766050.8/80

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1565.612+/-1187.206 χ^2/NDF:25.6/23

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 2425.046+/-1215.667 χ^2/NDF:15.2/21

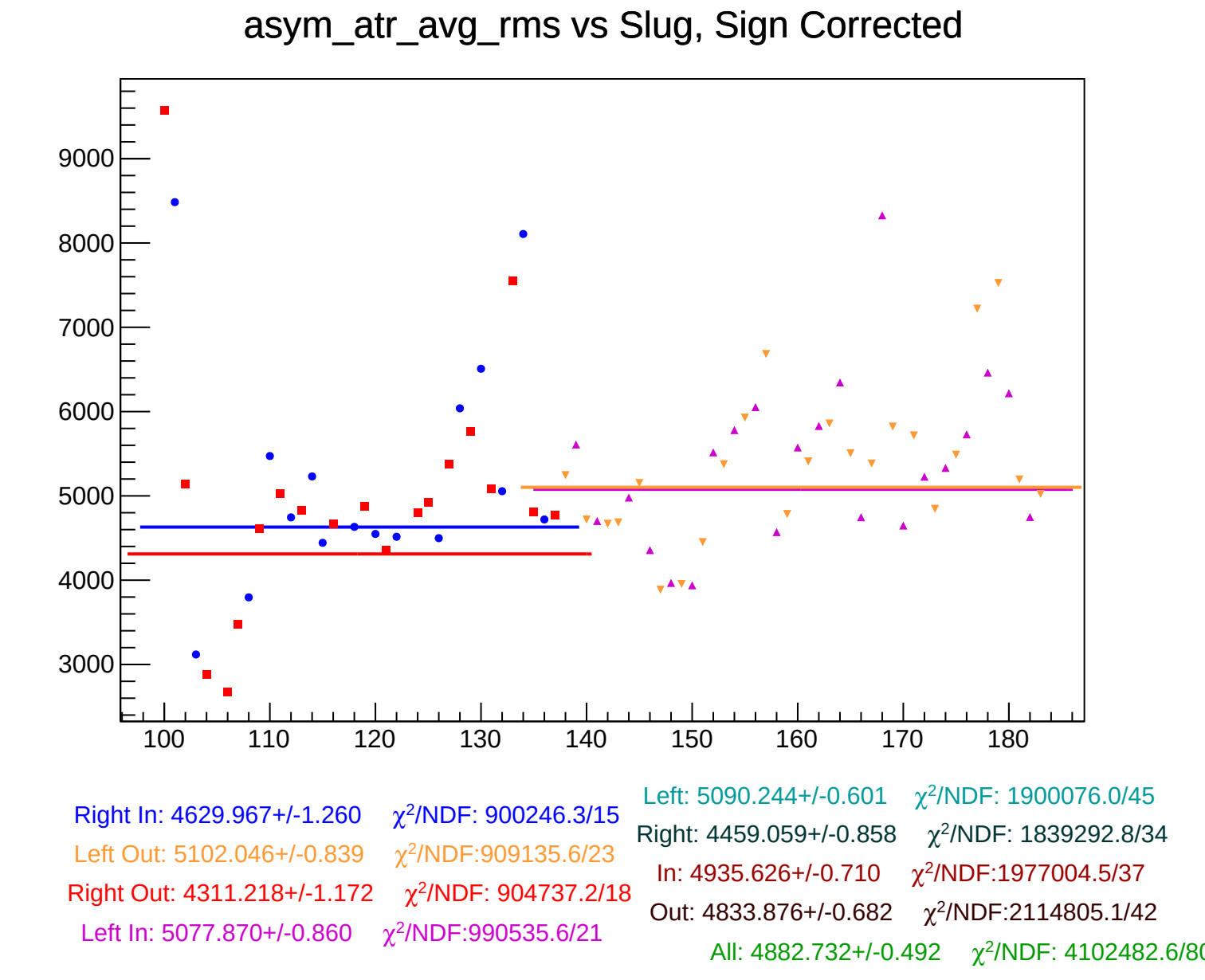
Left: 1985.151+/-849.365 χ^2/NDF: 41.1/45

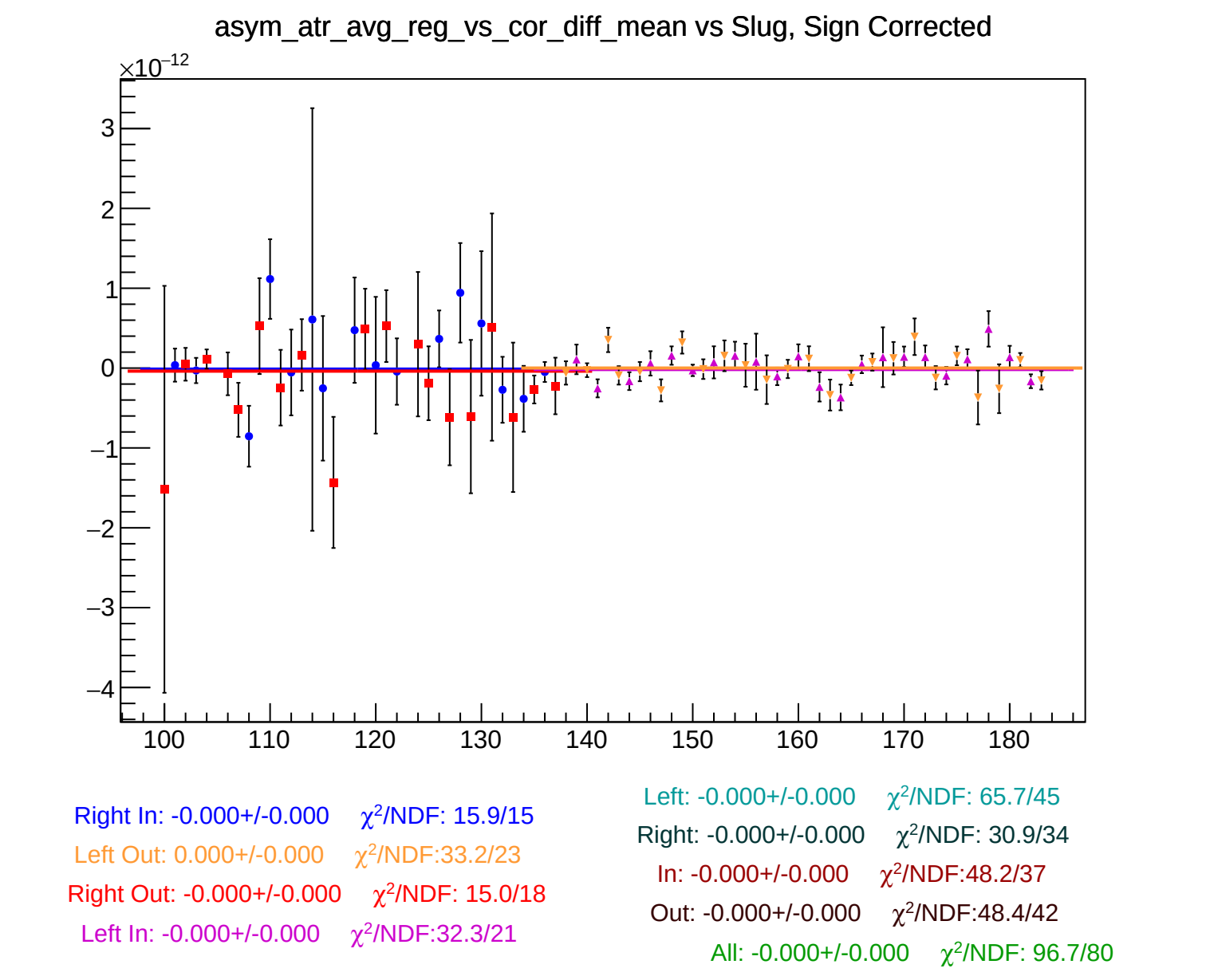
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

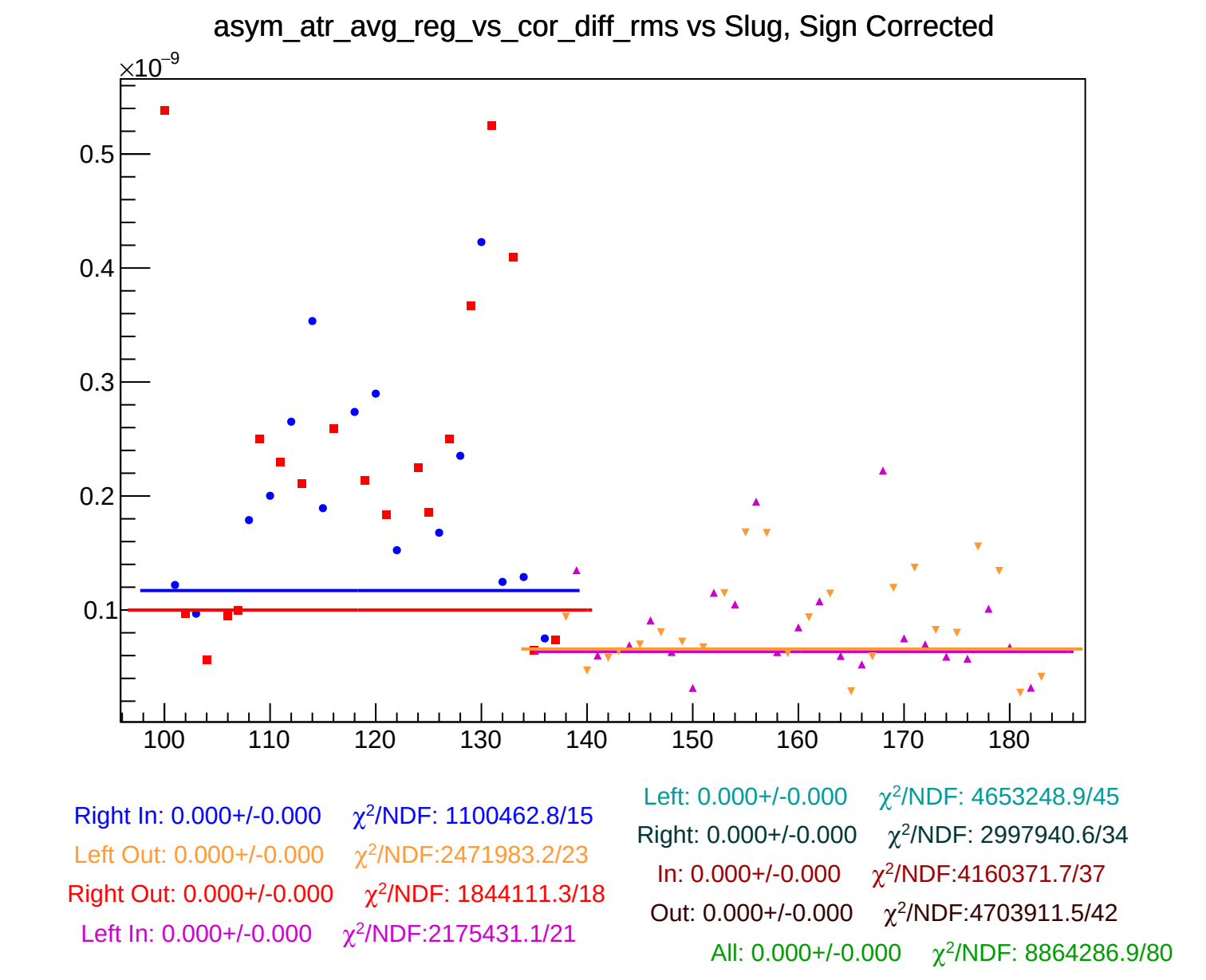
In: 2936.198+/-1004.248 χ^2/NDF:28.1/37

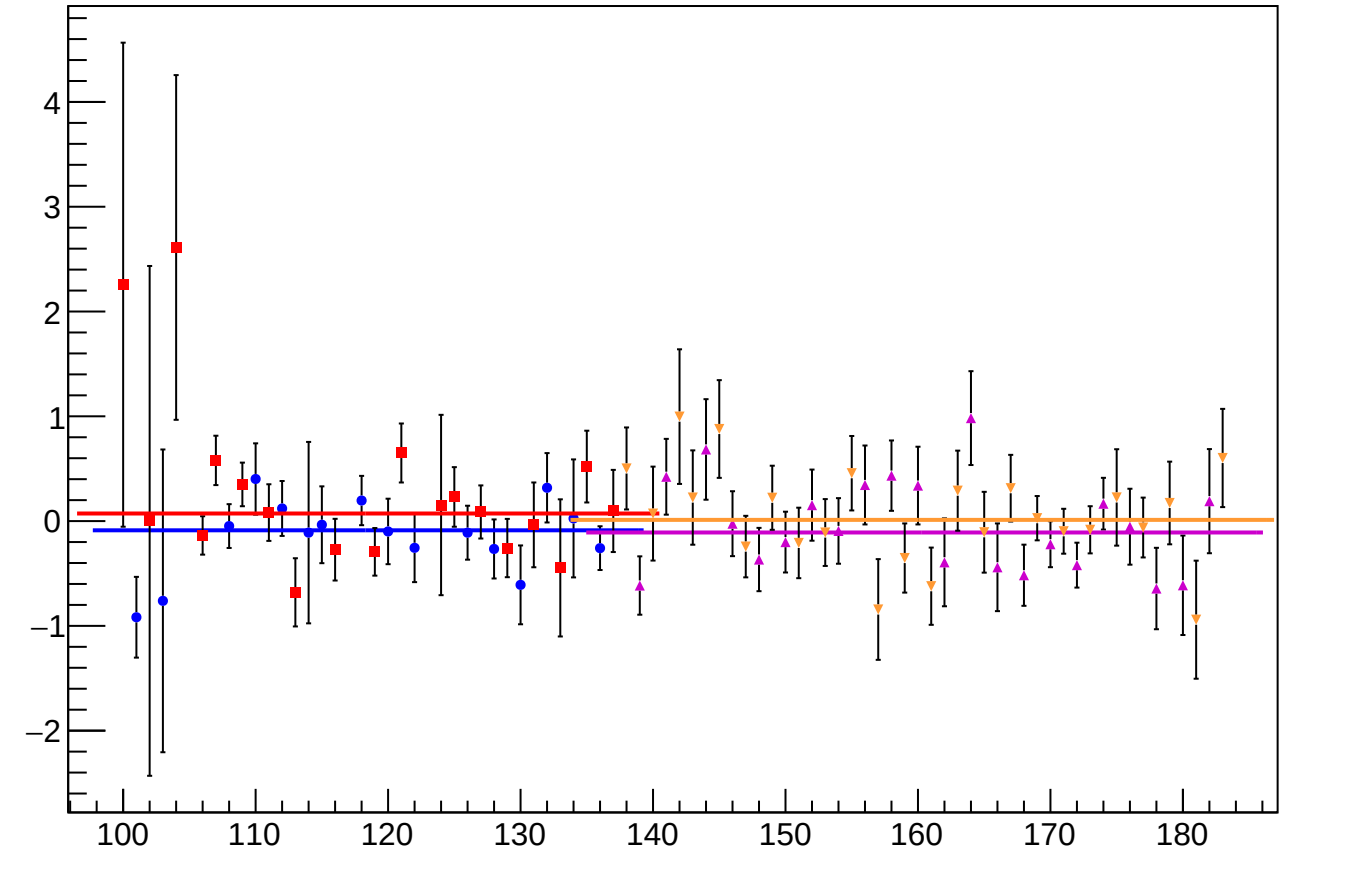
Out: 1979.582+/-967.980 χ^2/NDF:41.4/42

All: 2440.304+/-696.934 χ^2/NDF: 70.0/80


asym_atr_avg_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
Right In: 4629.967+/-1.260 χ²/NDF: 900246.3/15
Left Out: 5102.046+/-0.839 χ²/NDF:909135.6/23
Right Out: 4311.218+/-1.172 χ²/NDF: 904737.2/18
Left In: 5077.870+/-0.860 χ²/NDF:990535.6/21
Left: 5090.244+/-0.601 χ²/NDF: 1900076.0/45
Right: 4459.059+/-0.858 χ²/NDF: 1839292.8/34
In: 4935.626+/-0.710 χ²/NDF:1977004.5/37
Out: 4833.876+/-0.682 χ²/NDF:2114805.1/42
All: 4882.732+/-0.492 χ²/NDF: 4102482.6/80


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:33.2/23
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: 65.7/45
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:48.4/42
All: -0.000+/-0.000 χ²/NDF: 96.7/80


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:2471983.2/23
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: 4653248.9/45
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:4703911.5/42
All: 0.000+/-0.000 χ²/NDF: 8864286.9/80



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.069 χ^2/NDF:25.2/23

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.109+/-0.069 χ^2/NDF:31.2/21

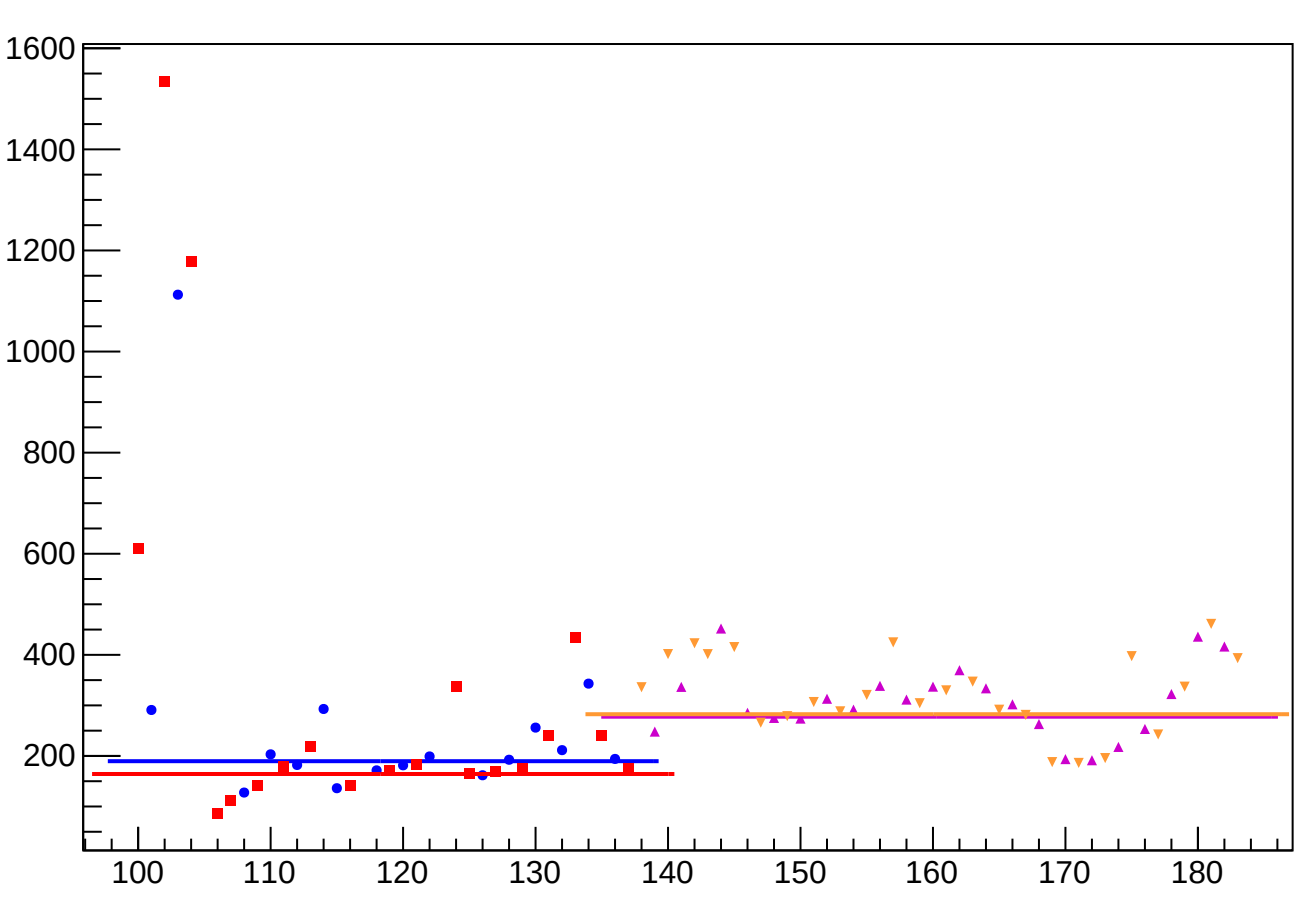
Left: -0.048+/-0.049 χ^2/NDF: 57.9/45

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.099+/-0.051 χ^2/NDF:45.1/37

Out: 0.041+/-0.049 χ^2/NDF:54.2/42

All: -0.026+/-0.035 χ^2/NDF: 103.3/80



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 282.549+/-0.049 χ^2/NDF:2509348.8/23

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: 280.111+/-0.034 χ^2/NDF: 4293237.5/45

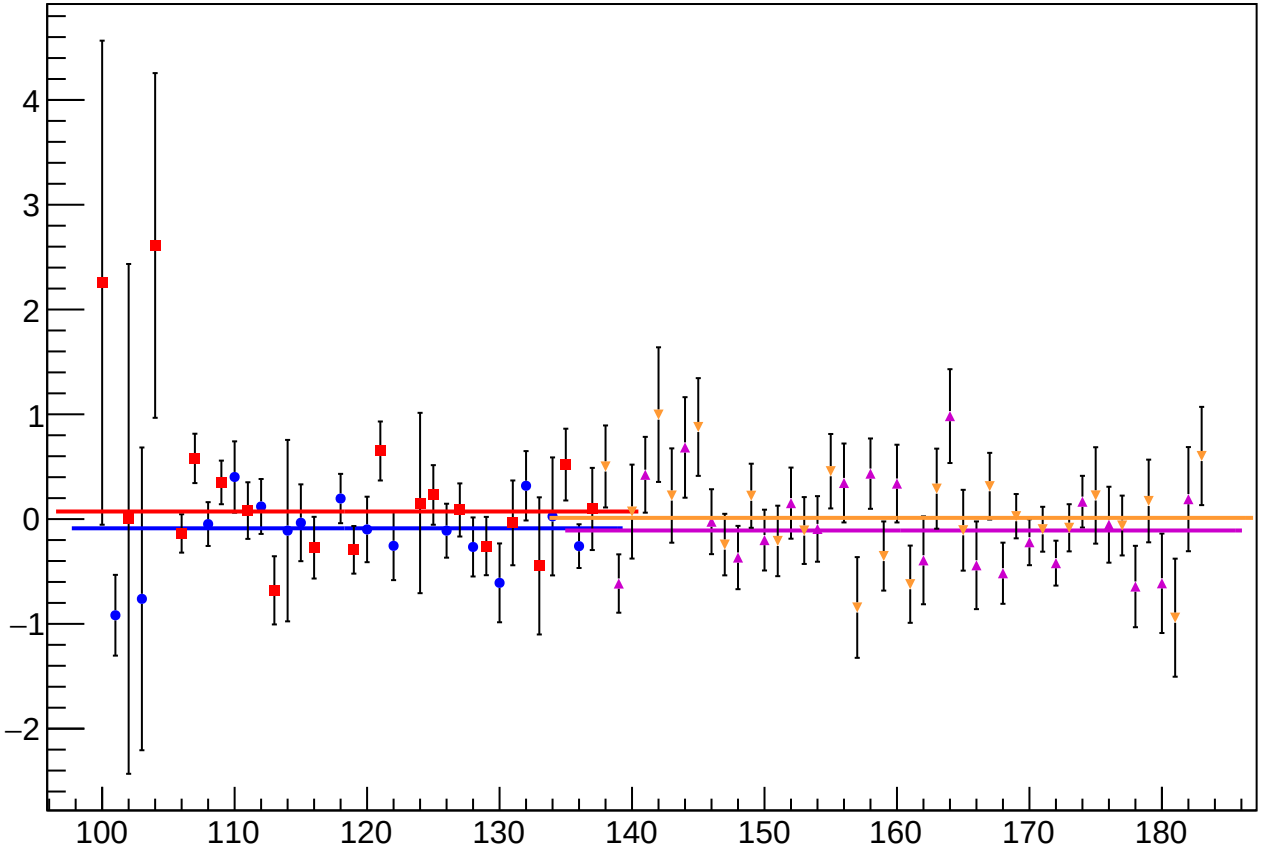
Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 238.322+/-0.036 χ^2/NDF:4698907.3/37

Out: 224.514+/-0.035 χ^2/NDF:8058861.7/42

All: 231.106+/-0.025 χ^2/NDF: 12833446.5/80

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.069 χ^2/NDF:25.2/23

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.109+/-0.069 χ^2/NDF:31.2/21

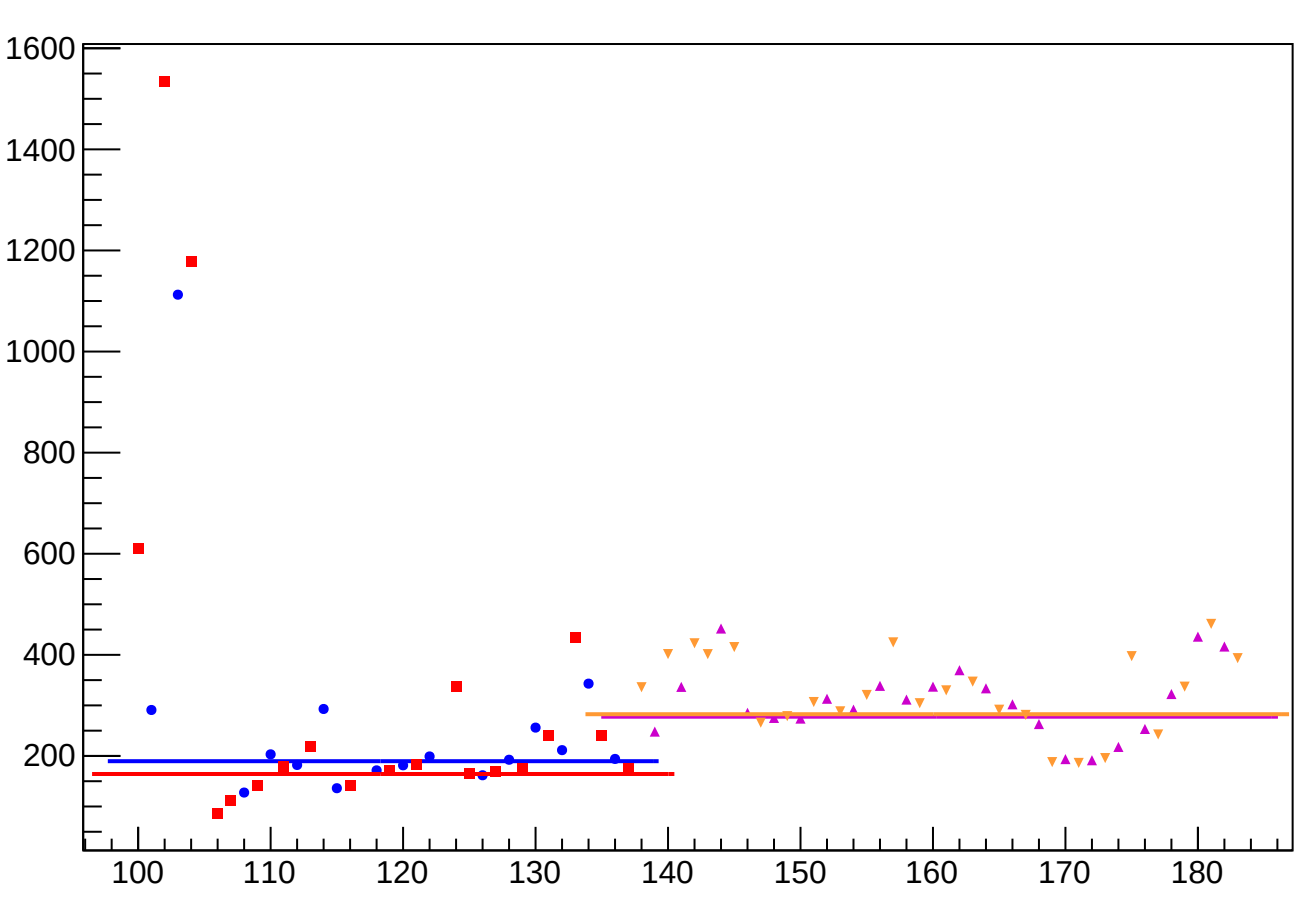
Left: -0.048+/-0.049 χ^2/NDF: 57.9/45

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.099+/-0.051 χ^2/NDF:45.1/37

Out: 0.041+/-0.049 χ^2/NDF:54.2/42

All: -0.026+/-0.035 χ^2/NDF: 103.3/80



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 282.549+/-0.049 χ^2/NDF:2509348.8/23

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 277.654+/-0.049 χ^2/NDF:1778834.8/21

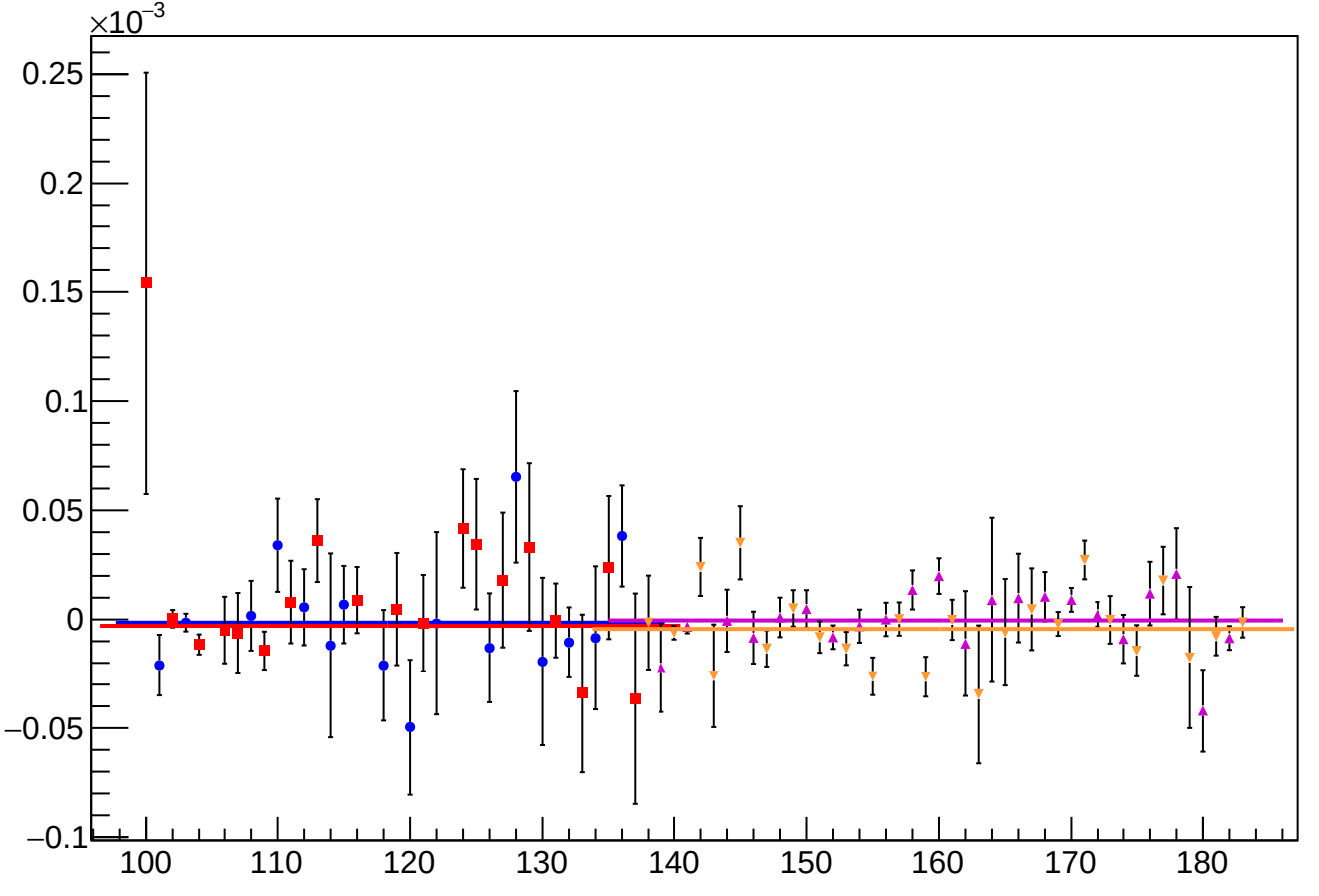
Left: 280.111+/-0.034 χ^2/NDF: 4293237.5/45

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 238.322+/-0.036 χ^2/NDF:4698907.3/37

Out: 224.514+/-0.035 χ^2/NDF:8058861.7/42

All: 231.106+/-0.025 χ^2/NDF: 12833446.5/80



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:27.8/21

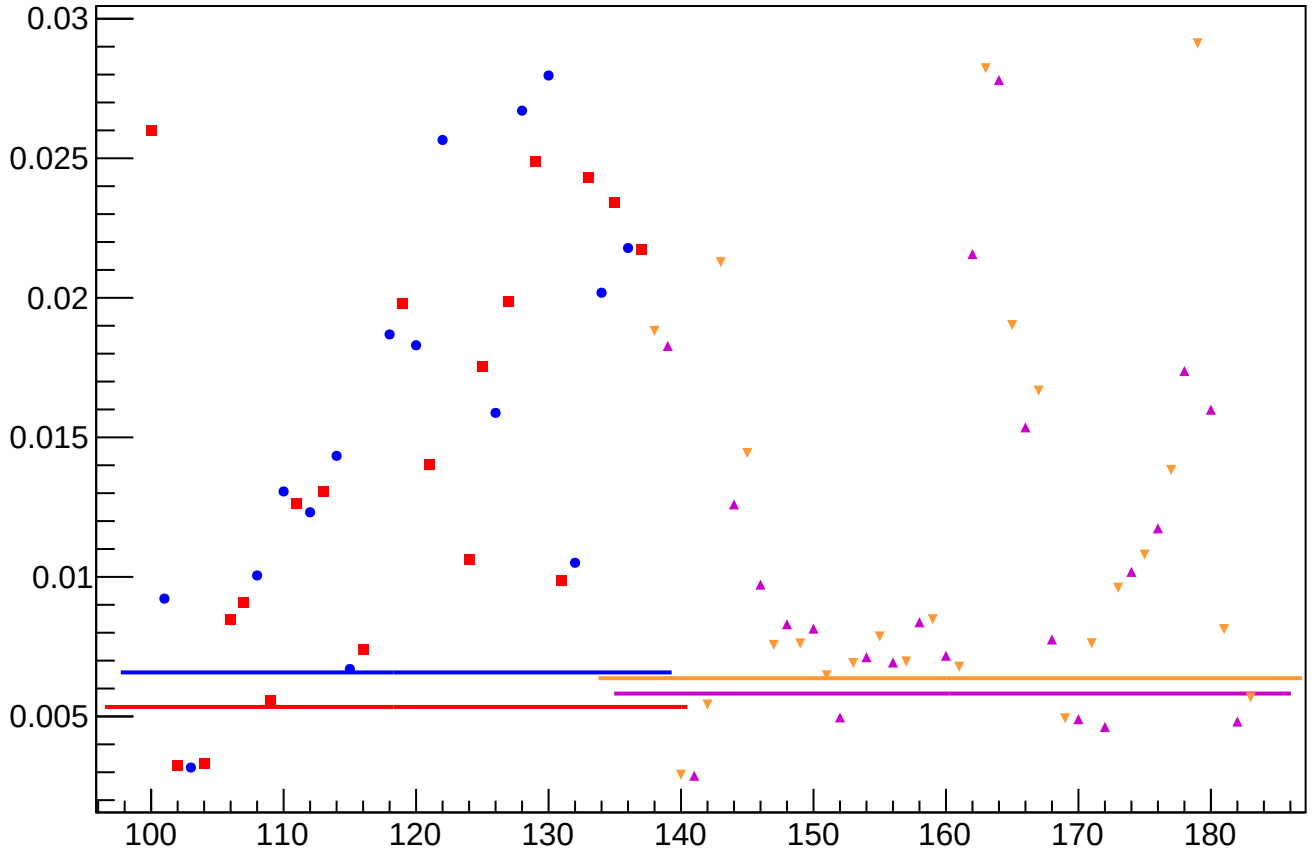
Left: -0.000+/-0.000 χ^2/NDF: 76.0/45

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:67.0/42

All: -0.000+/-0.000 χ^2/NDF: 112.3/80



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:8859546.4/23

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: 16986509.3/45

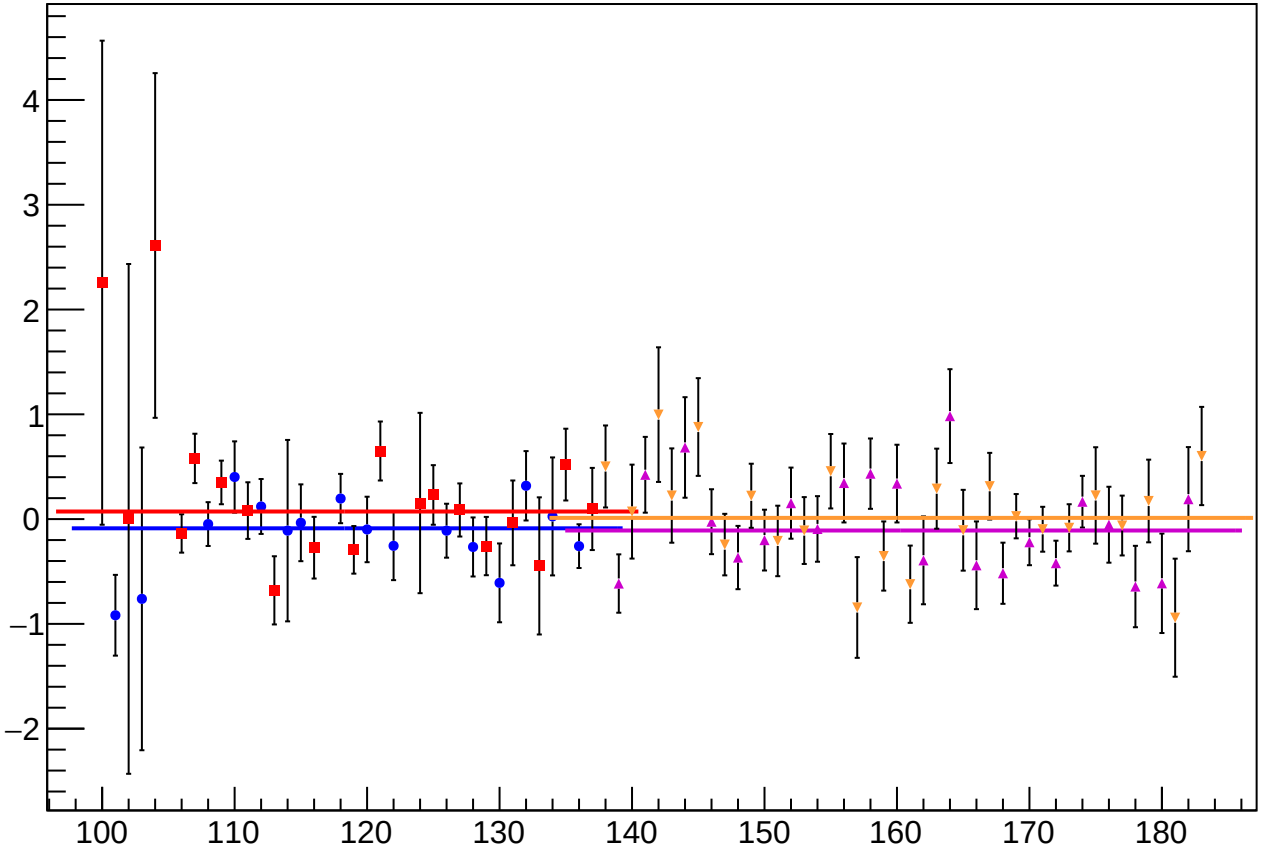
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:14031903.6/37

Out: 0.006+/-0.000 χ^2/NDF:14767904.1/42

All: 0.006+/-0.000 χ^2/NDF: 28802905.7/80

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: 0.012+/-0.069 χ^2/NDF:25.2/23

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.109+/-0.069 χ^2/NDF:31.2/21

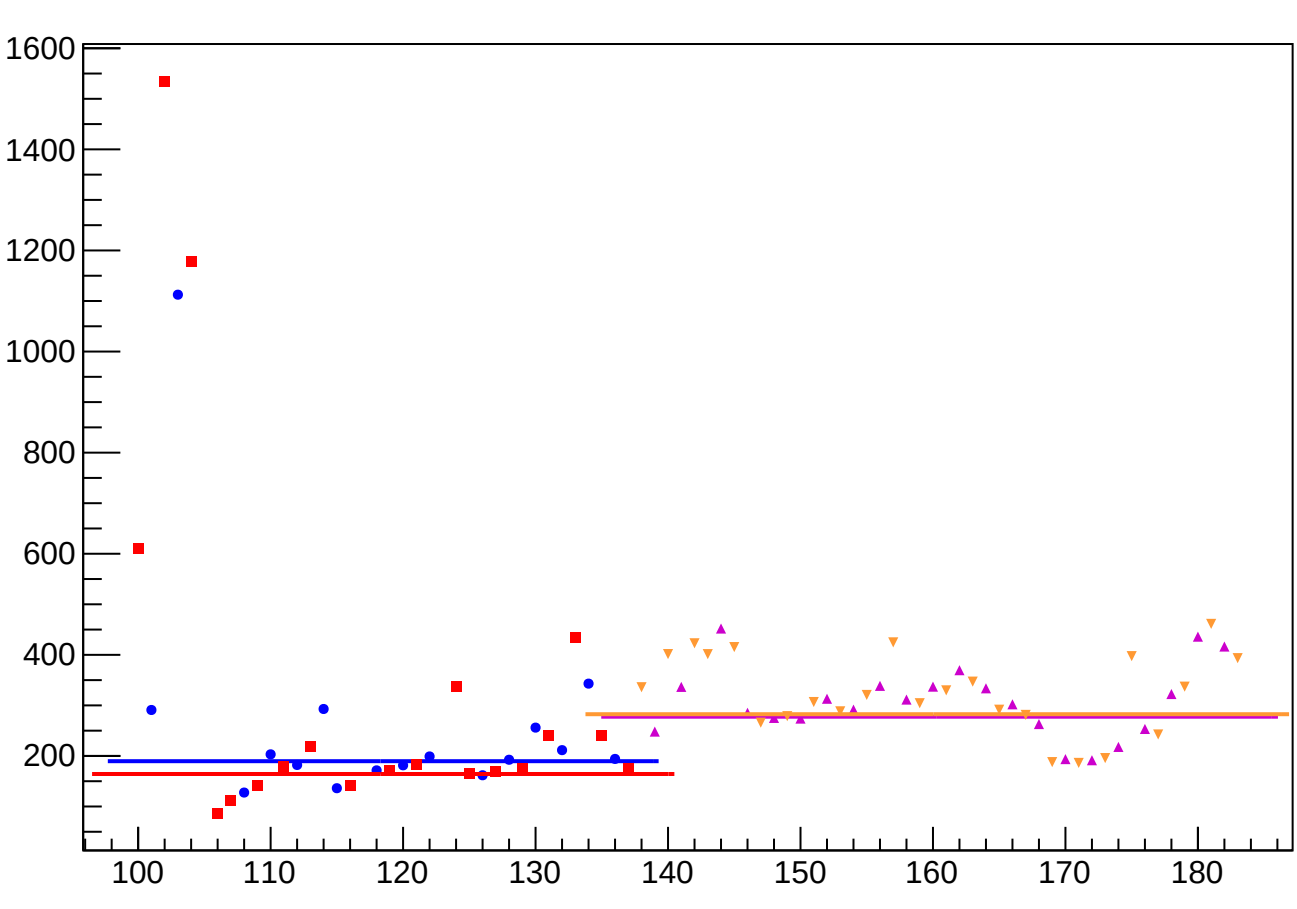
Left: -0.048+/-0.049 χ^2/NDF: 57.9/45

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.099+/-0.051 χ^2/NDF:45.1/37

Out: 0.041+/-0.049 χ^2/NDF:54.2/42

All: -0.026+/-0.035 χ^2/NDF: 103.3/80



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 282.551+/-0.049 χ^2/NDF:2509417.0/23

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: 280.113+/-0.034 χ^2/NDF: 4293347.4/45

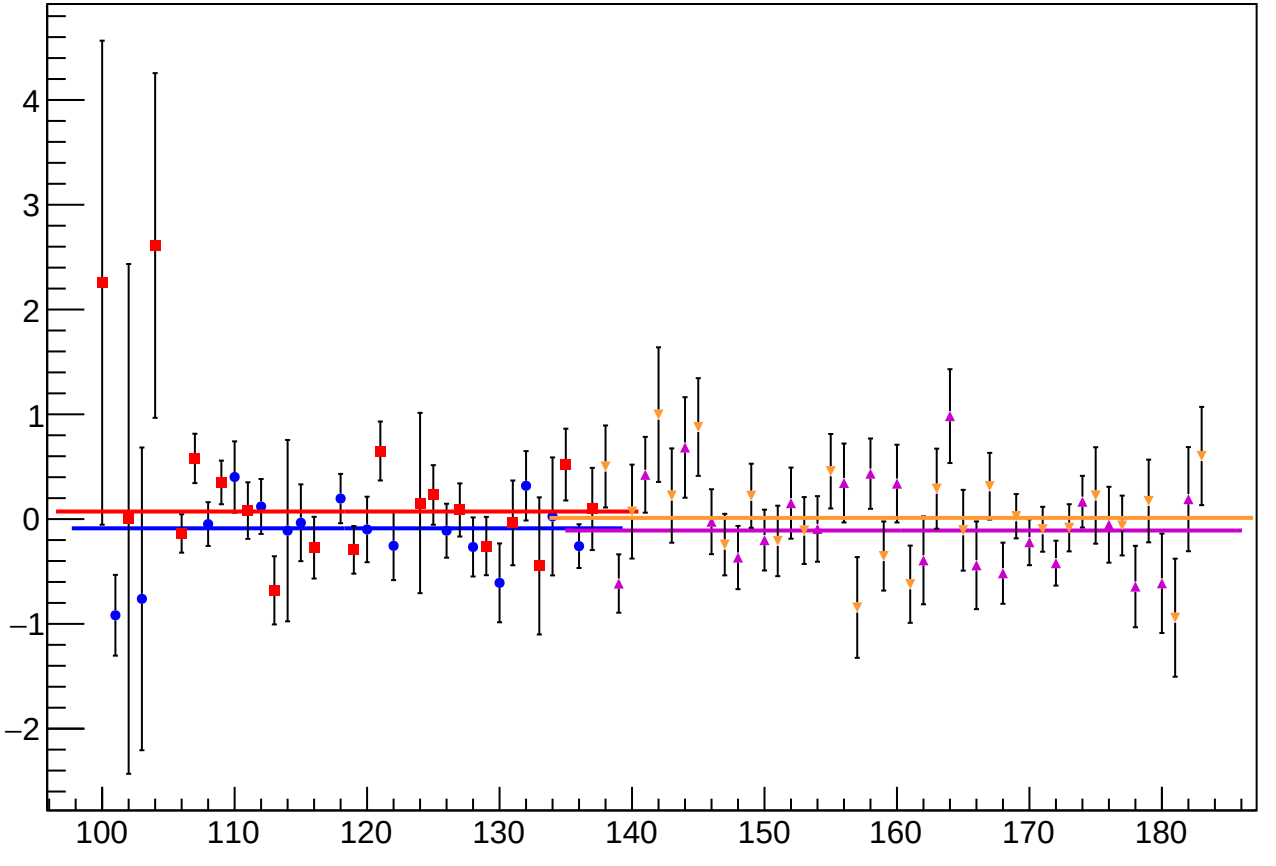
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 238.322+/-0.036 χ^2/NDF:4699038.5/37

Out: 224.514+/-0.035 χ^2/NDF:8059053.5/42

All: 231.106+/-0.025 χ^2/NDF: 12833774.3/80

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.069 χ^2/NDF:25.2/23

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.109+/-0.069 χ^2/NDF:31.2/21

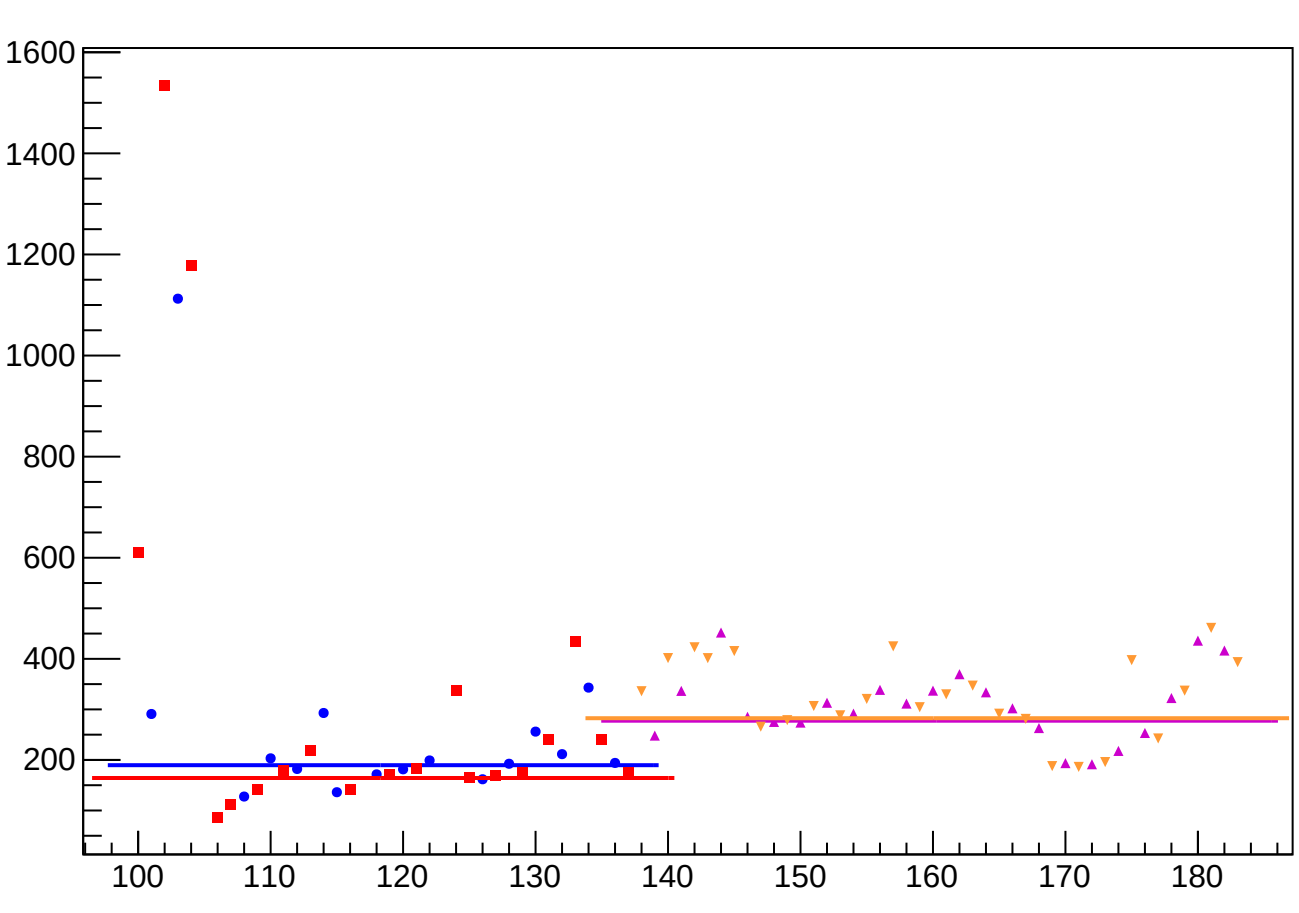
Left: -0.048+/-0.049 χ^2/NDF: 57.9/45

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.099+/-0.051 χ^2/NDF:45.1/37

Out: 0.041+/-0.049 χ^2/NDF:54.2/42

All: -0.026+/-0.035 χ^2/NDF: 103.3/80



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 282.551+/-0.049 χ^2/NDF:2509417.0/23

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 277.656+/-0.049 χ^2/NDF:1778876.8/21

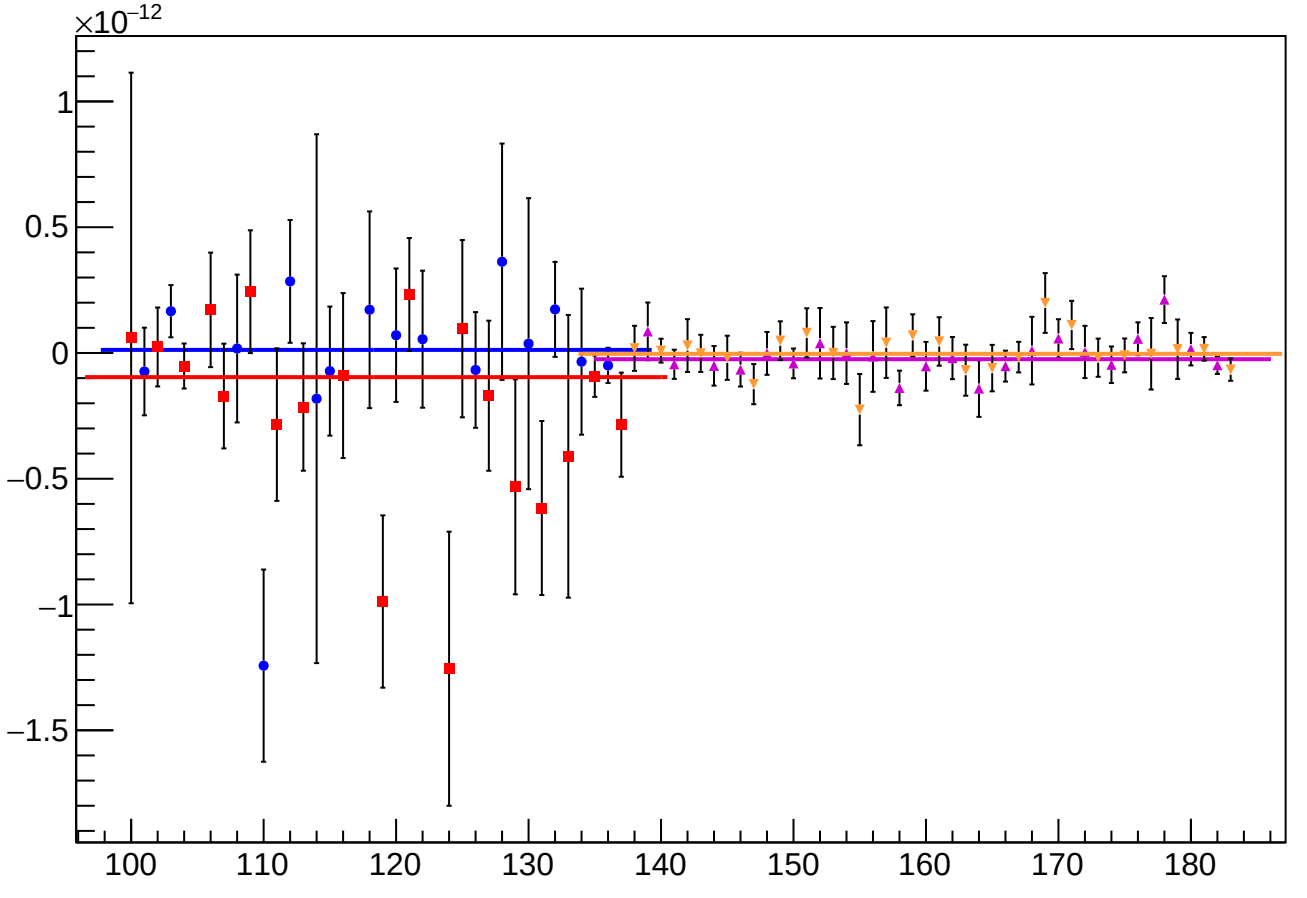
Left: 280.113+/-0.034 χ^2/NDF: 4293347.4/45

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 238.322+/-0.036 χ^2/NDF:4699038.5/37

Out: 224.514+/-0.035 χ^2/NDF:8059053.5/42

All: 231.106+/-0.025 χ^2/NDF: 12833774.3/80



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/21

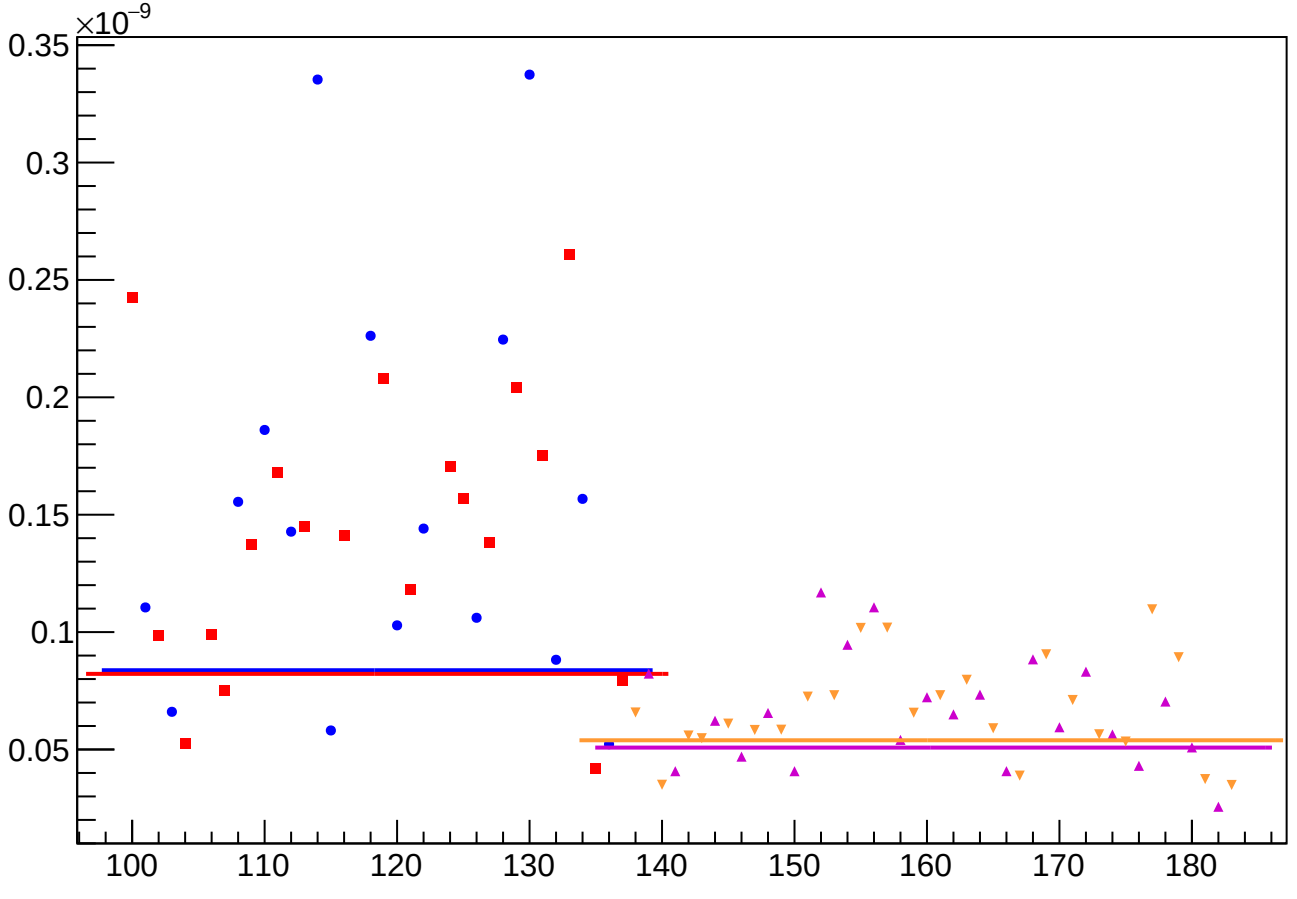
Left: -0.000+/-0.000 χ^2/NDF: 32.0/45

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:41.7/42

All: -0.000+/-0.000 χ^2/NDF: 75.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2721670.6/23

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: 6061421.3/45

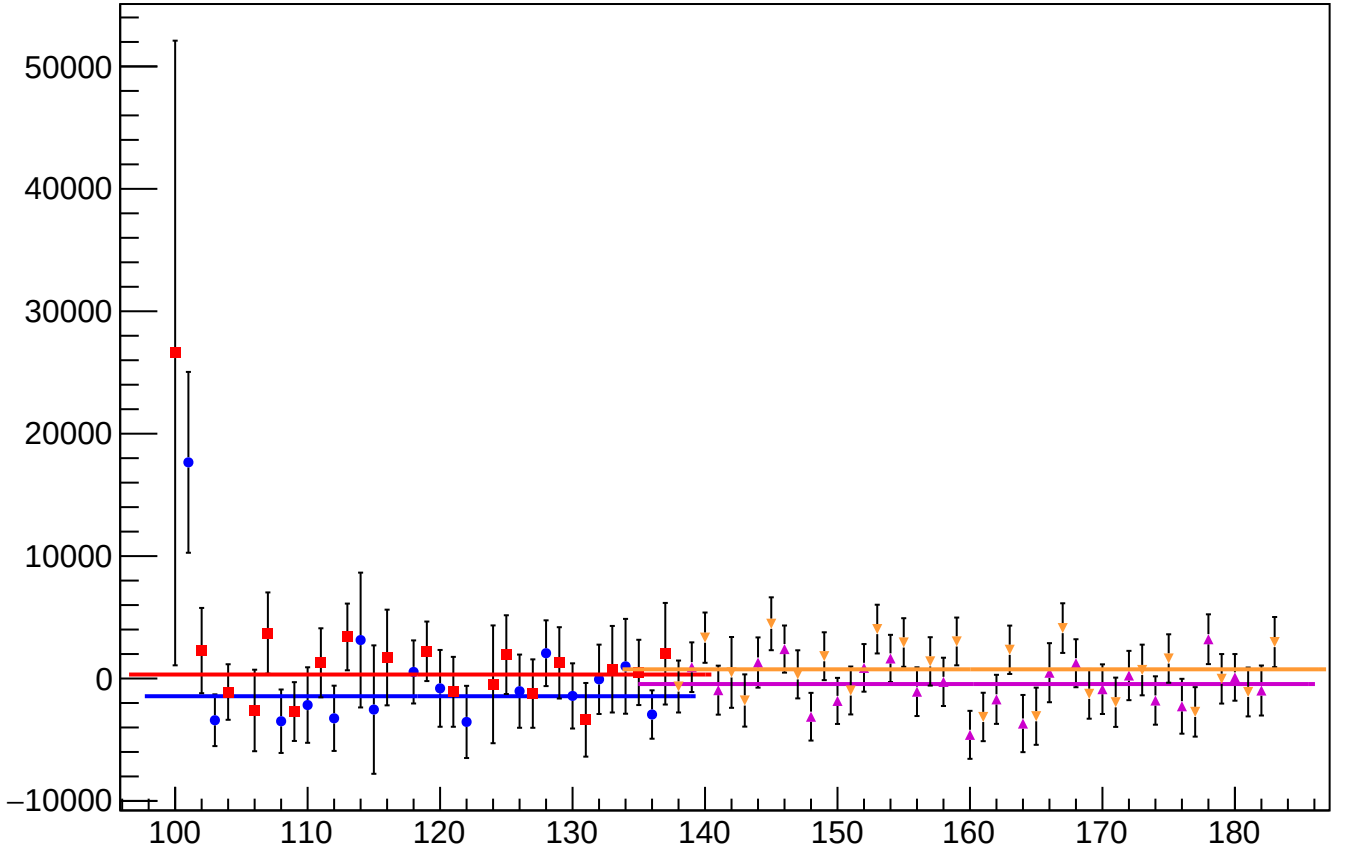
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:6344930.2/37

Out: 0.000+/-0.000 χ^2/NDF:5703926.1/42

All: 0.000+/-0.000 χ^2/NDF: 12083998.7/80

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 751.634+/-418.274 χ^2/NDF:31.1/23

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: 166.224+/-299.738 χ^2/NDF: 55.0/45

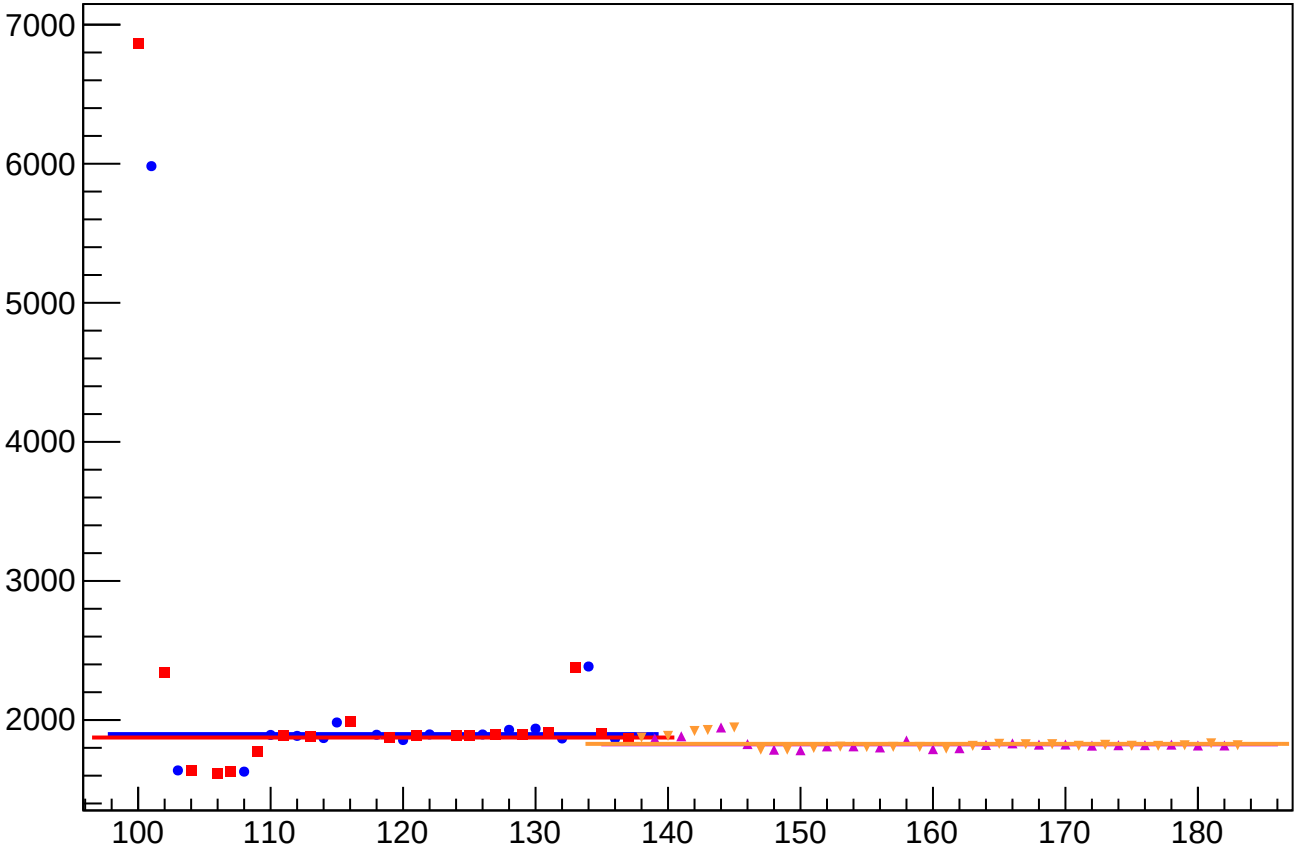
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -711.373+/-369.433 χ^2/NDF:34.9/37

Out: 640.245+/-359.413 χ^2/NDF:41.3/42

All: -16.986+/-257.613 χ^2/NDF: 83.0/80

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1828.600+/-0.296 χ^2/NDF:19223.1/23

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1825.284+/-0.304 χ^2/NDF:13350.8/21

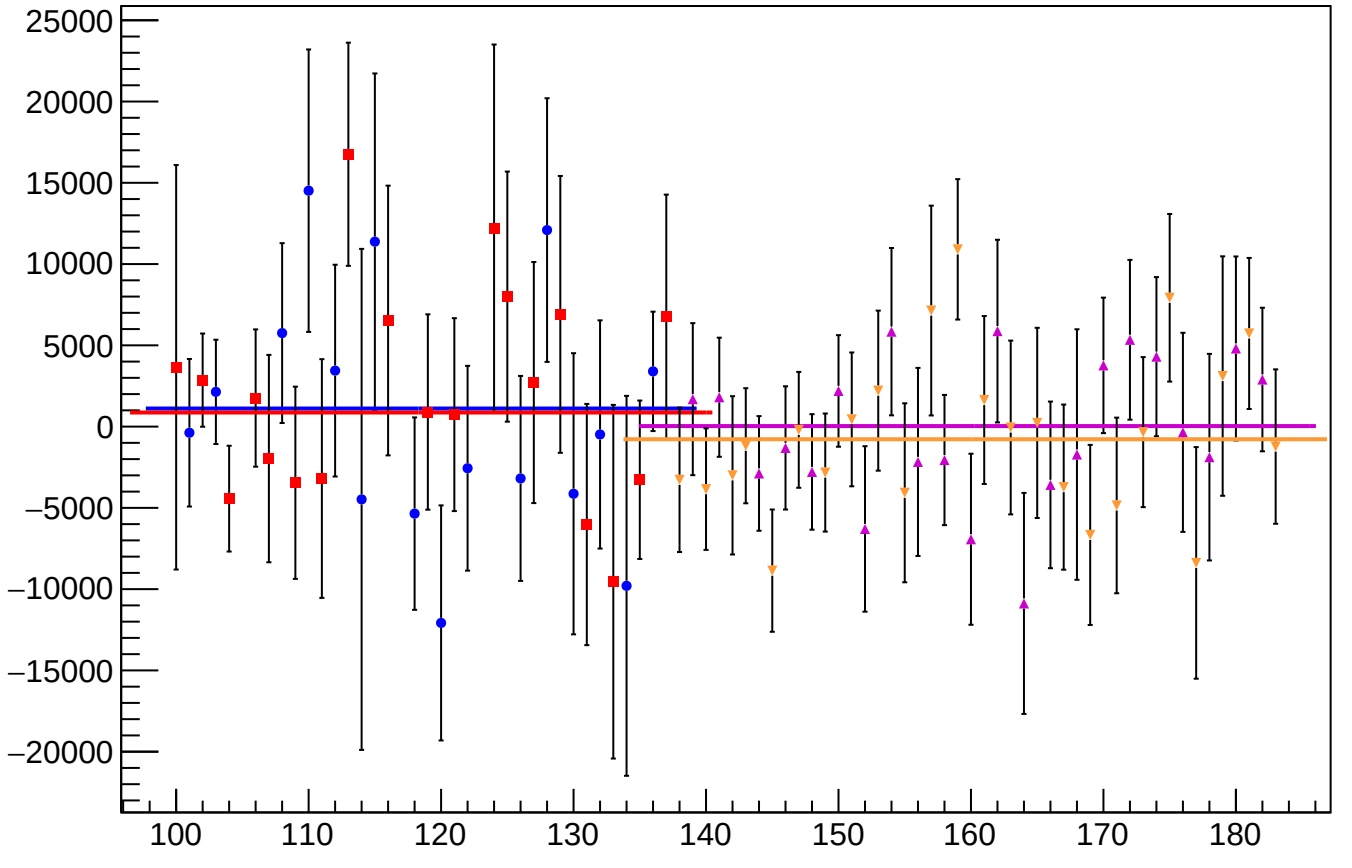
Left: 1826.987+/-0.212 χ^2/NDF: 32635.1/45

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1844.478+/-0.261 χ^2/NDF:726151.6/37

Out: 1840.604+/-0.254 χ^2/NDF:233145.5/42

All: 1842.486+/-0.182 χ^2/NDF: 959410.1/80



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -777.017+/-953.189 χ^2/NDF:24.4/23

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: 32.885+/-989.352 χ^2/NDF:15.3/21

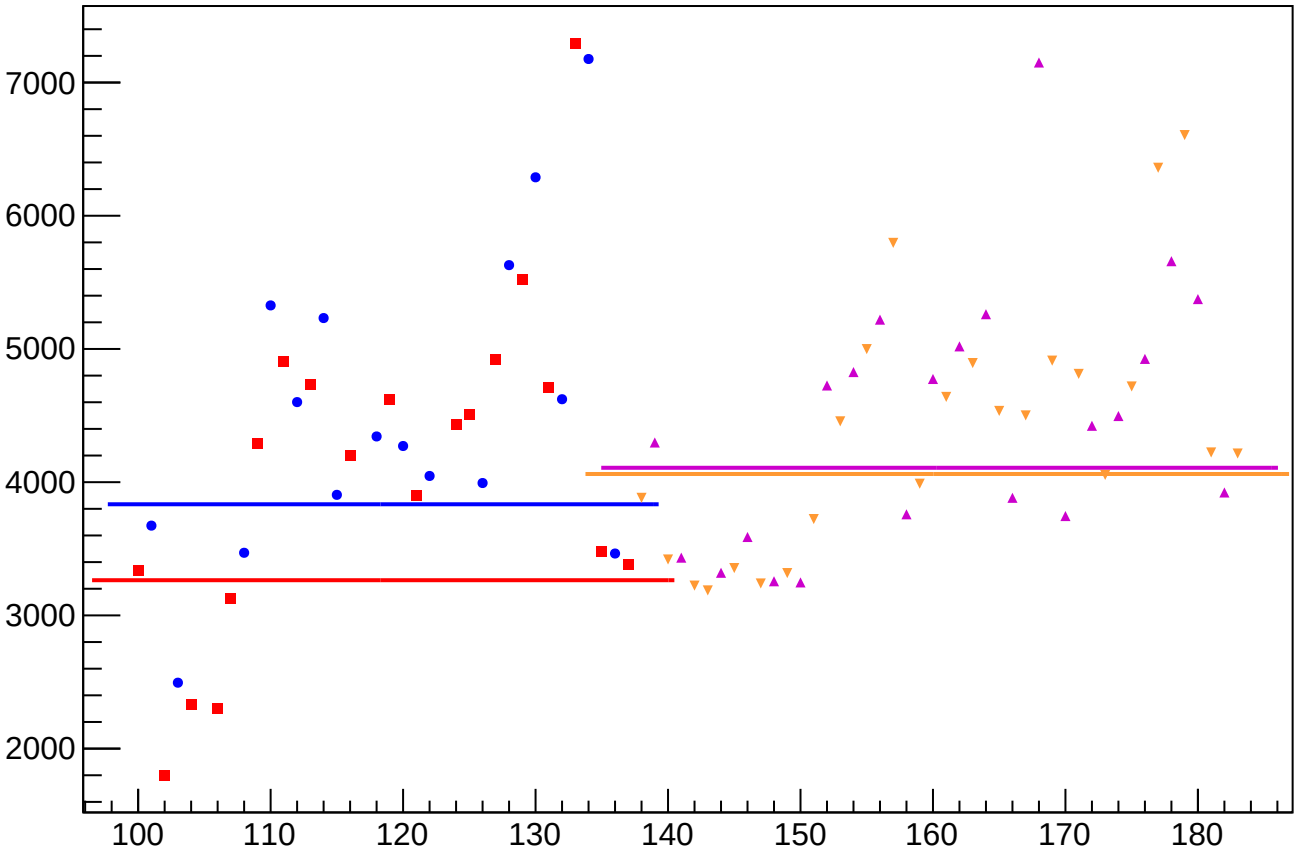
Left: -387.138+/-686.435 χ^2/NDF: 40.0/45

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

In: 366.618+/-822.375 χ^2/NDF:29.1/37

Out: -206.343+/-770.182 χ^2/NDF:41.0/42

All: 61.380+/-562.148 χ^2/NDF: 70.4/80



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 4061.435+/-0.674 χ^2/NDF:1404569.9/23

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 4108.082+/-0.700 χ^2/NDF:1358473.1/21

Left: 4083.890+/-0.485 χ^2/NDF: 2765348.8/45

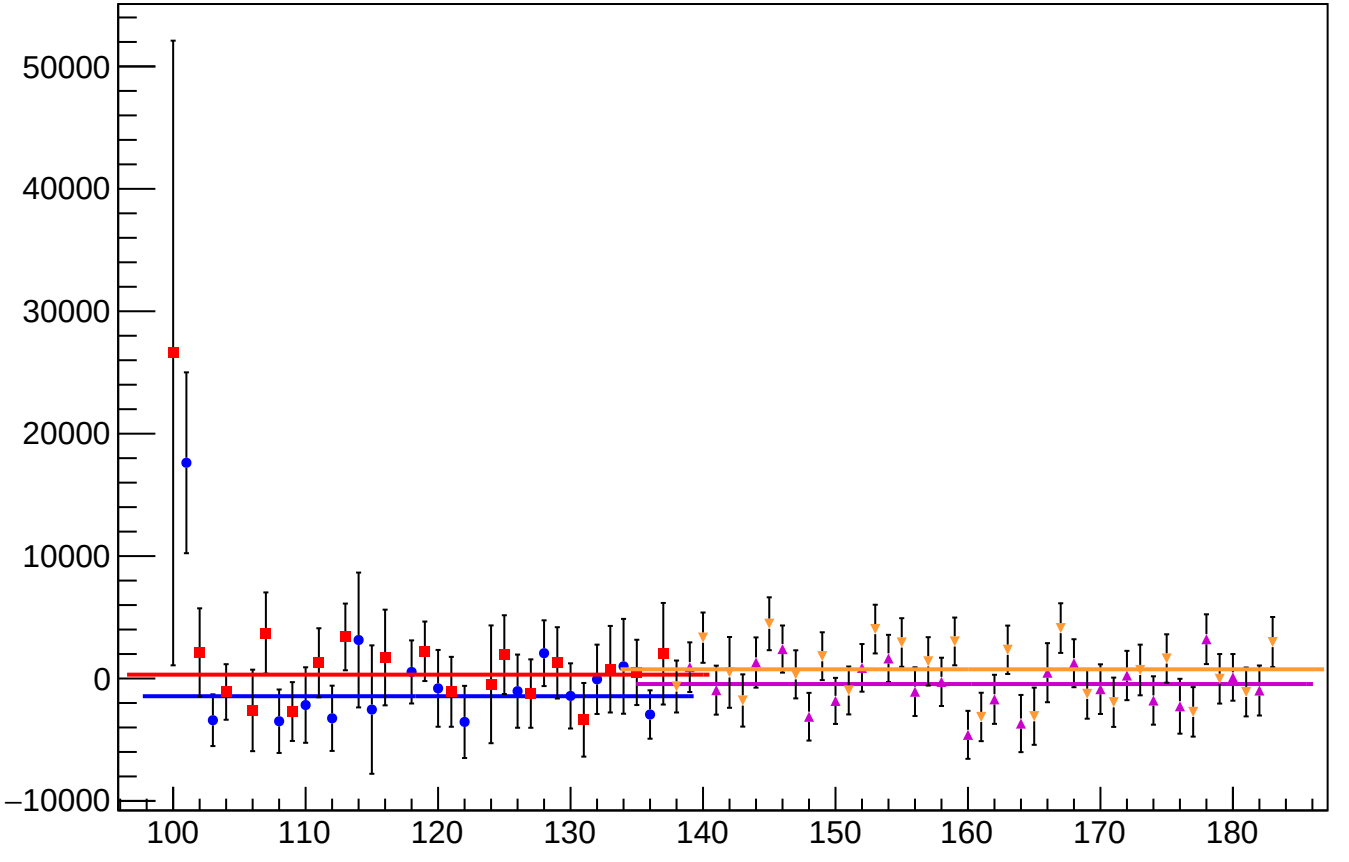
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 4023.424+/-0.582 χ^2/NDF:2362631.4/37

Out: 3784.662+/-0.545 χ^2/NDF:3754580.0/42

All: 3896.227+/-0.397 χ^2/NDF: 6207023.3/80

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 751.706+/-418.274 χ^2/NDF:31.1/23

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: 166.323+/-299.738 χ^2/NDF: 55.0/45

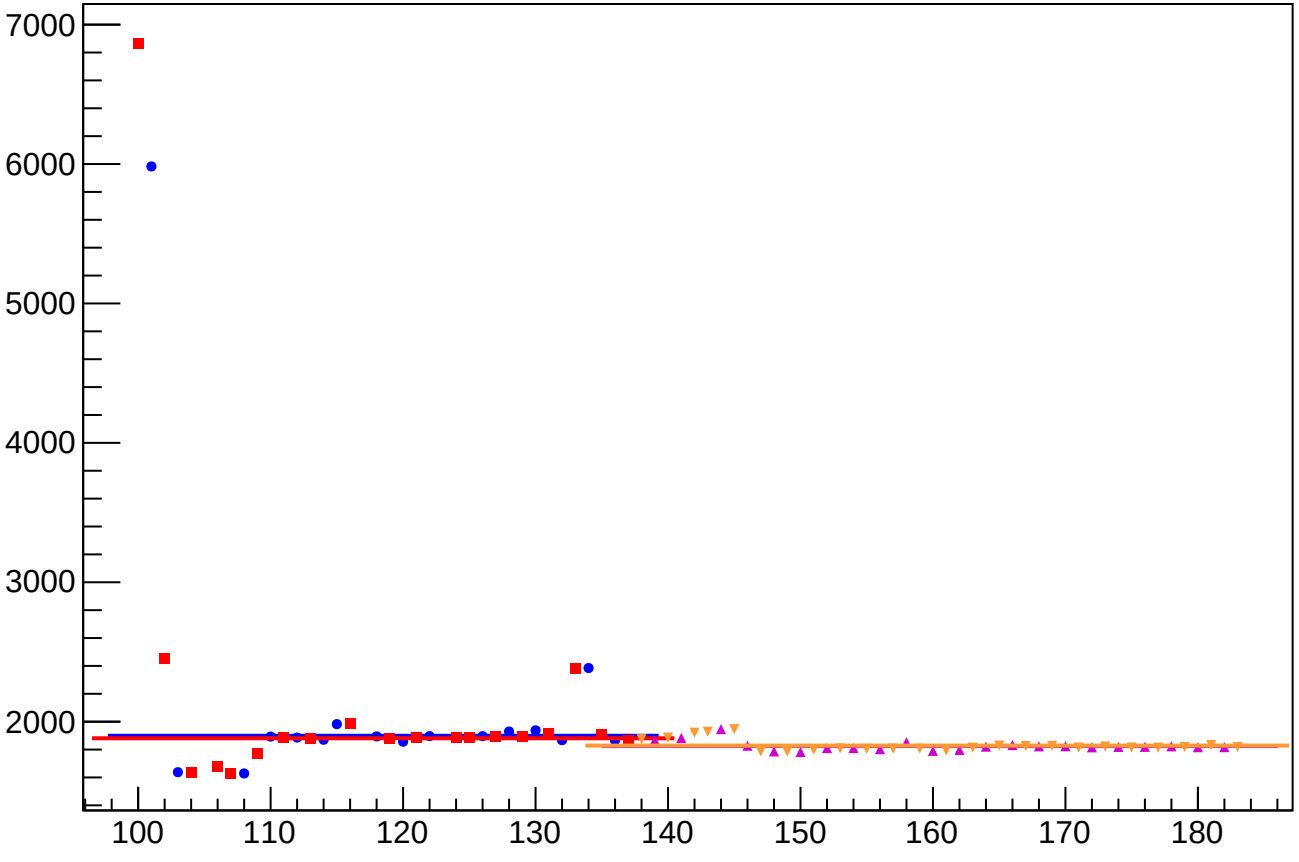
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -711.380+/-369.433 χ^2/NDF:34.8/37

Out: 637.793+/-359.540 χ^2/NDF:41.2/42

All: -18.486+/-257.660 χ^2/NDF: 82.9/80

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1828.600+/-0.296 χ^2/NDF:19223.1/23

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1825.284+/-0.304 χ^2/NDF:13350.8/21

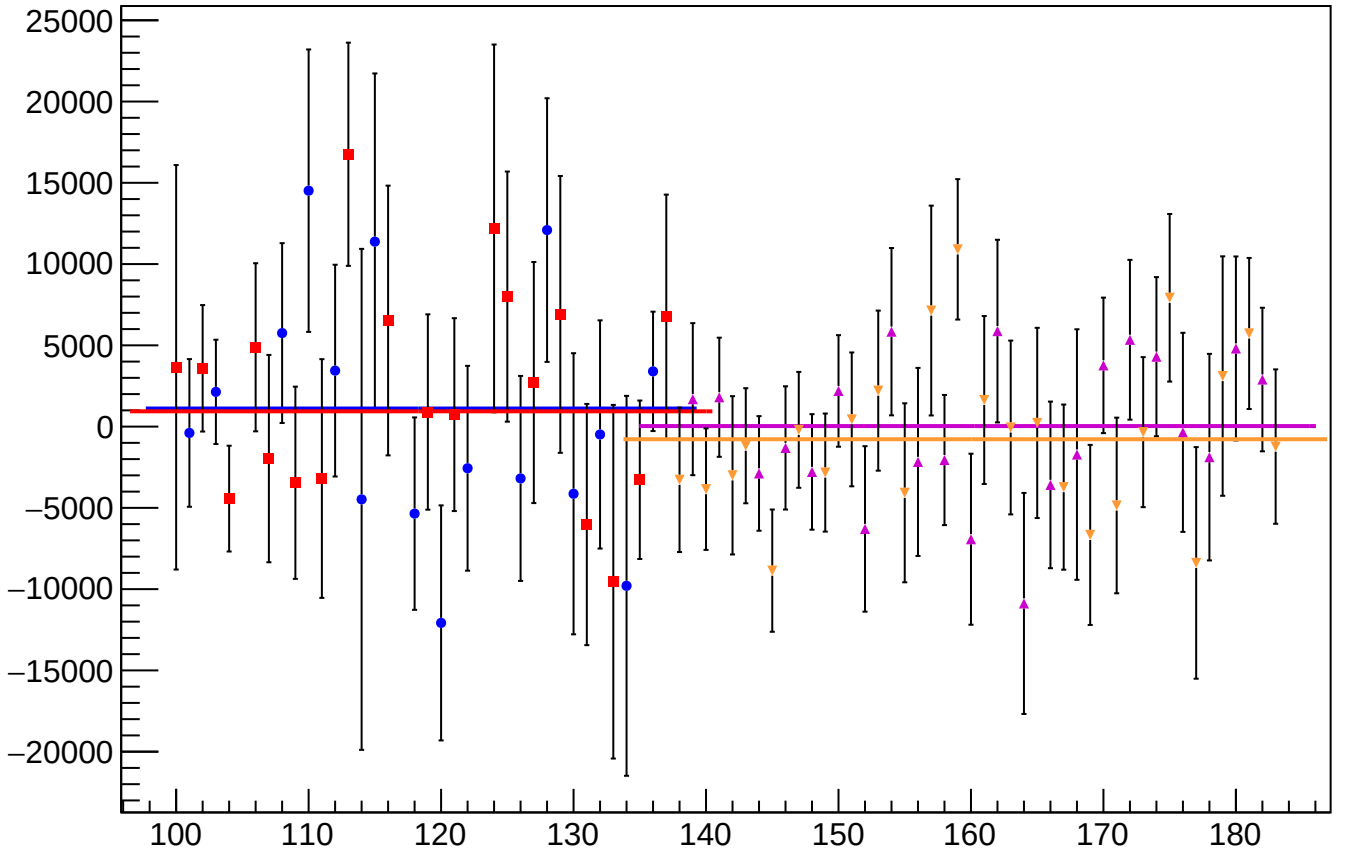
Left: 1826.987+/-0.212 χ^2/NDF: 32635.1/45

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1844.478+/-0.261 χ^2/NDF:726151.7/37

Out: 1842.316+/-0.254 χ^2/NDF:244004.7/42

All: 1843.367+/-0.182 χ^2/NDF: 970191.6/80



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -777.018+/-953.189 χ^2/NDF:24.4/23

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 32.891+/-989.351 χ^2/NDF:15.3/21

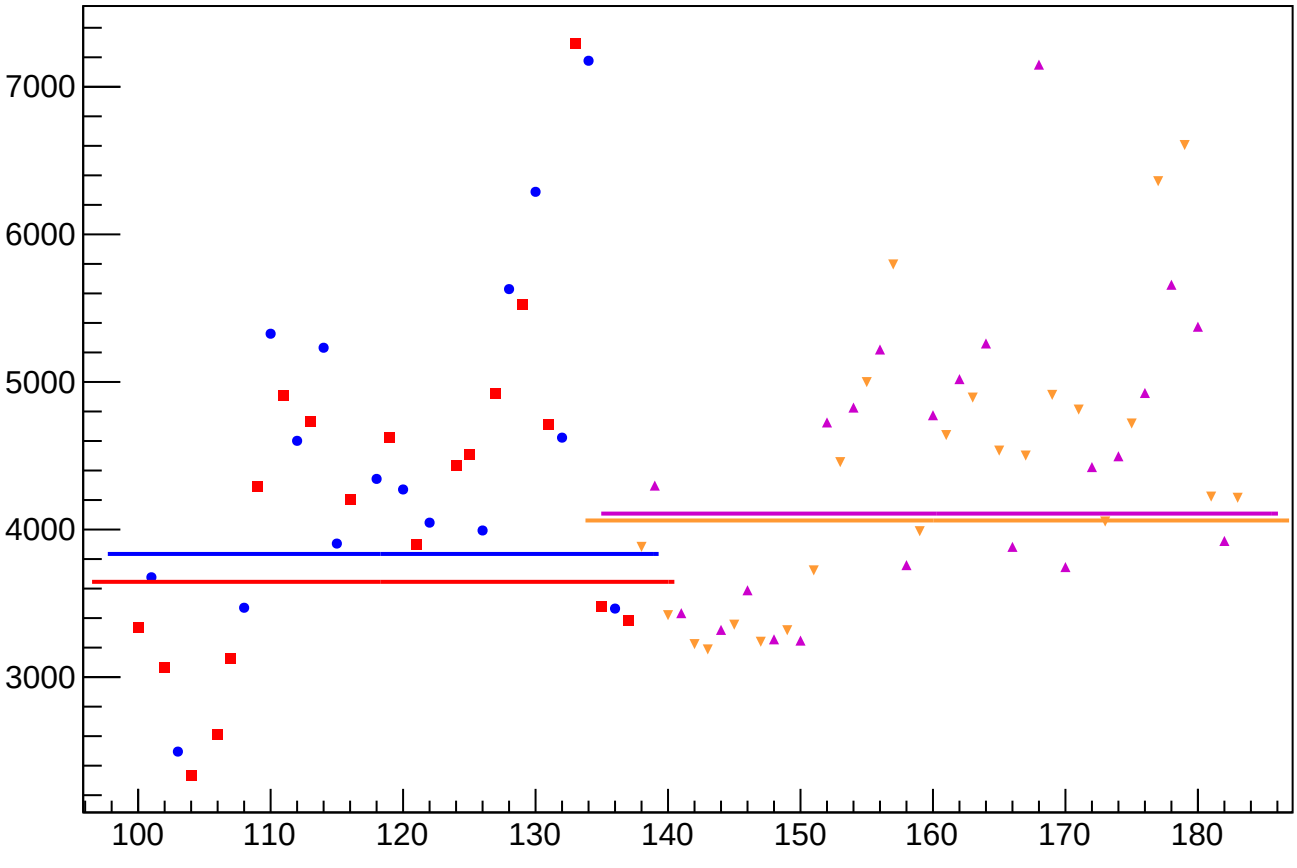
Left: -387.135+/-686.434 χ^2/NDF: 40.0/45

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 366.206+/-822.404 χ^2/NDF:29.1/37

Out: -232.422+/-787.726 χ^2/NDF:41.6/42

All: 54.005+/-568.871 χ^2/NDF: 70.9/80



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4061.432+/-0.674 χ^2/NDF:1404564.3/23

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4108.077+/-0.700 χ^2/NDF:1358480.5/21

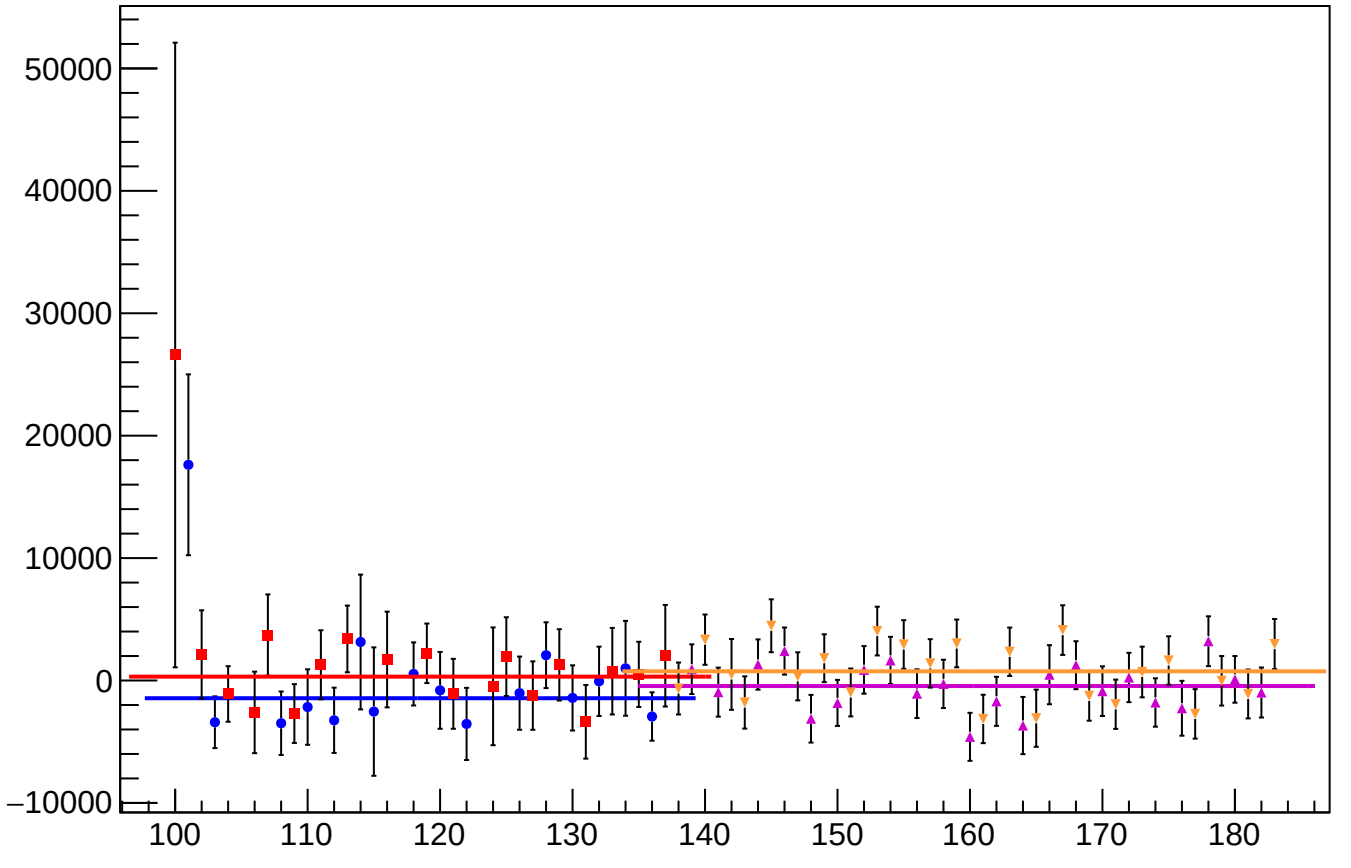
Left: 4083.886+/-0.485 χ^2/NDF: 2765350.3/45

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 4023.597+/-0.582 χ^2/NDF:2361983.9/37

Out: 3929.623+/-0.557 χ^2/NDF:2650171.9/42

All: 3974.587+/-0.402 χ^2/NDF: 5025774.8/80



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 751.706+/-418.274 χ^2/NDF:31.1/23

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: 166.323+/-299.738 χ^2/NDF: 55.0/45

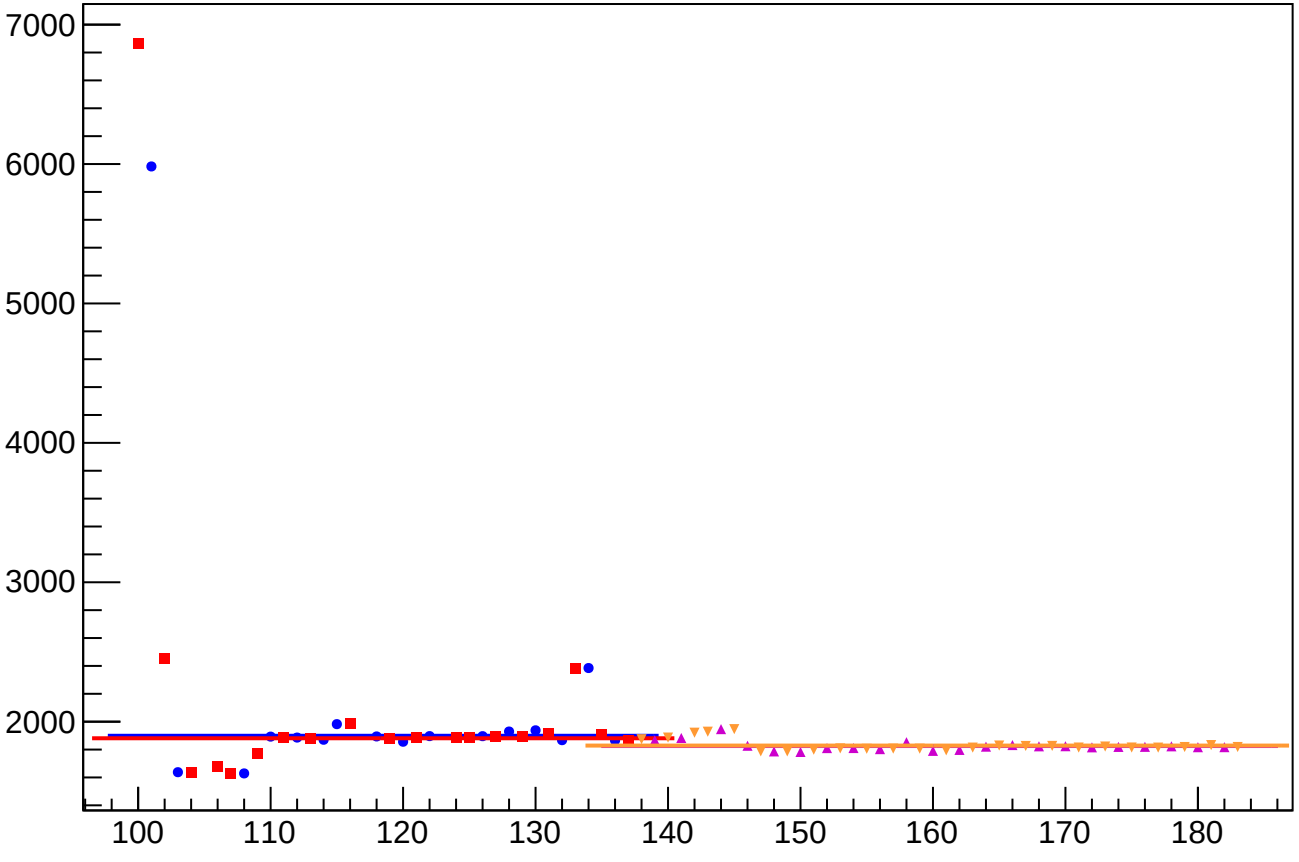
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -711.380+/-369.433 χ^2/NDF:34.8/37

Out: 637.793+/-359.540 χ^2/NDF:41.2/42

All: -18.486+/-257.660 χ^2/NDF: 82.9/80

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1828.600+/-0.296 χ^2/NDF:19223.1/23

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1825.284+/-0.304 χ^2/NDF:13350.8/21

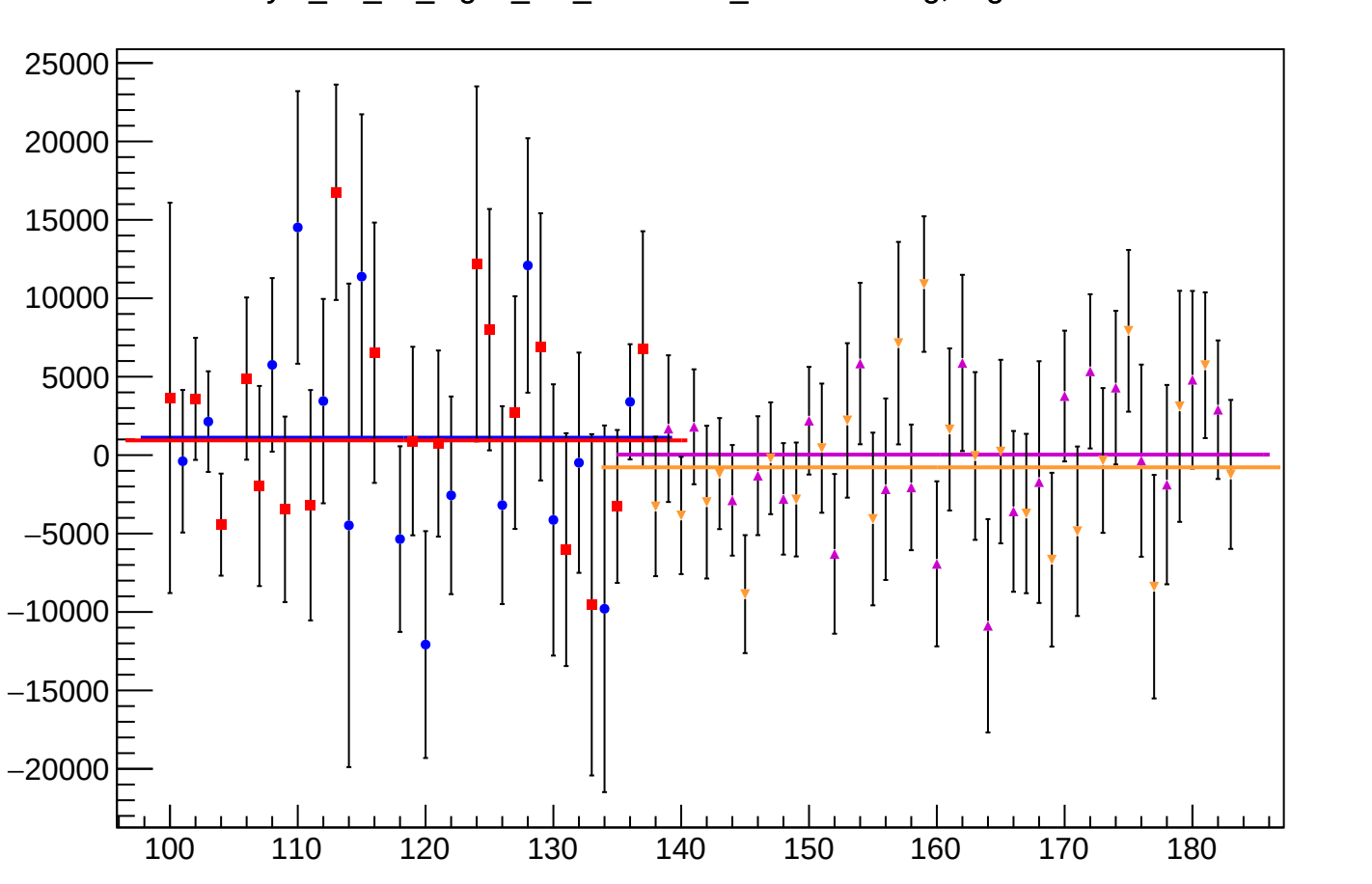
Left: 1826.987+/-0.212 χ^2/NDF: 32635.1/45

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1844.478+/-0.261 χ^2/NDF:726151.7/37

Out: 1842.316+/-0.254 χ^2/NDF:244004.7/42

All: 1843.367+/-0.182 χ^2/NDF: 970191.6/80



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -777.018+/-953.189 χ^2/NDF:24.4/23

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 32.891+/-989.351 χ^2/NDF:15.3/21

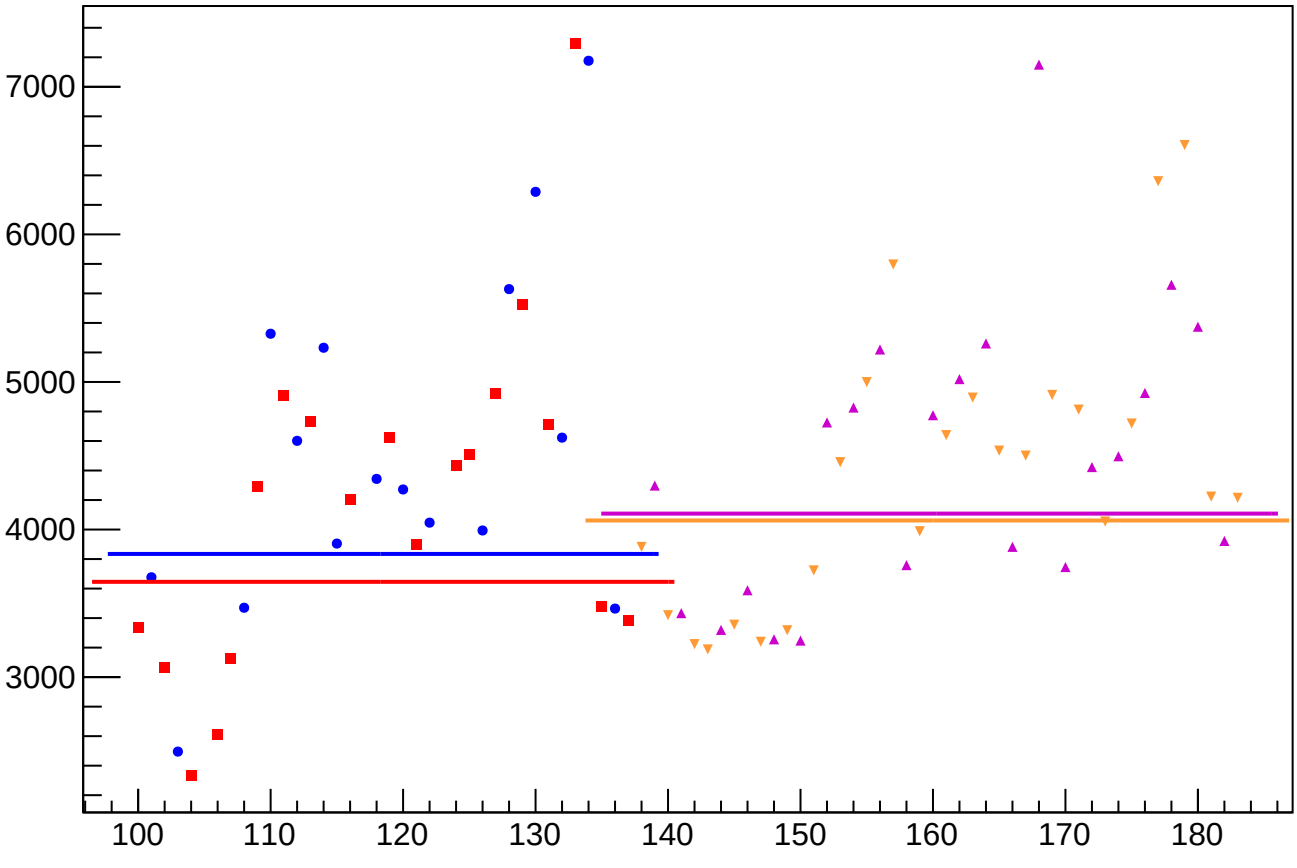
Left: -387.135+/-686.434 χ^2/NDF: 40.0/45

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 366.206+/-822.404 χ^2/NDF:29.1/37

Out: -232.422+/-787.726 χ^2/NDF:41.6/42

All: 54.005+/-568.871 χ^2/NDF: 70.9/80



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4061.432+/-0.674 χ^2/NDF:1404564.3/23

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: 4083.886+/-0.485 χ^2/NDF: 2765350.3/45

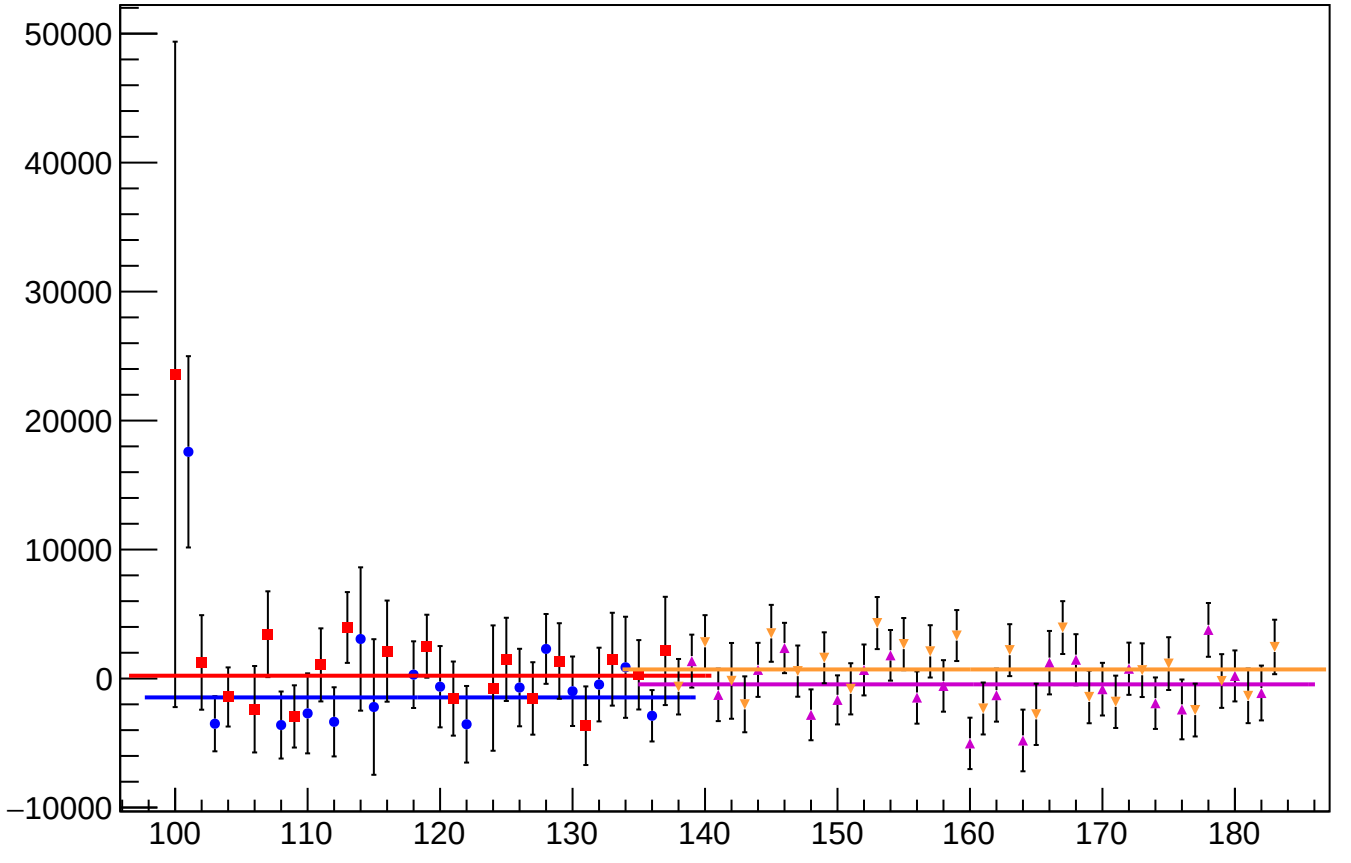
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 4023.597+/-0.582 χ^2/NDF:2361983.9/37

Out: 3929.623+/-0.557 χ^2/NDF:2650171.9/42

All: 3974.587+/-0.402 χ^2/NDF: 5025774.8/80

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 706.571+/-426.084 χ^2/NDF:26.1/23

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: 143.179+/-305.219 χ^2/NDF: 52.8/45

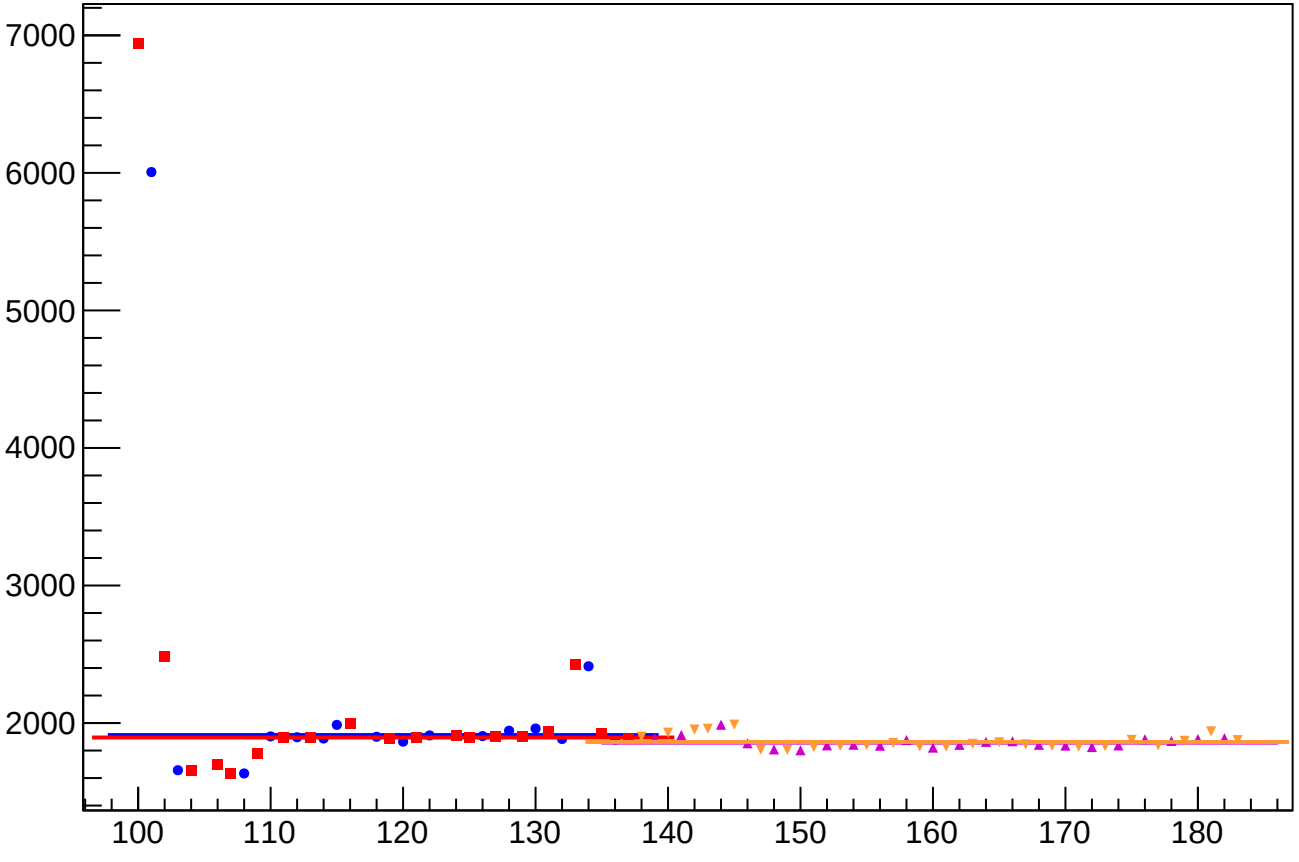
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -718.921+/-374.987 χ^2/NDF:38.1/37

Out: 577.356+/-365.188 χ^2/NDF:37.3/42

All: -53.626+/-261.623 χ^2/NDF: 81.5/80

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1862.432+/-0.301 χ^2/NDF:25632.0/23

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.690+/-0.309 χ^2/NDF:16380.5/21

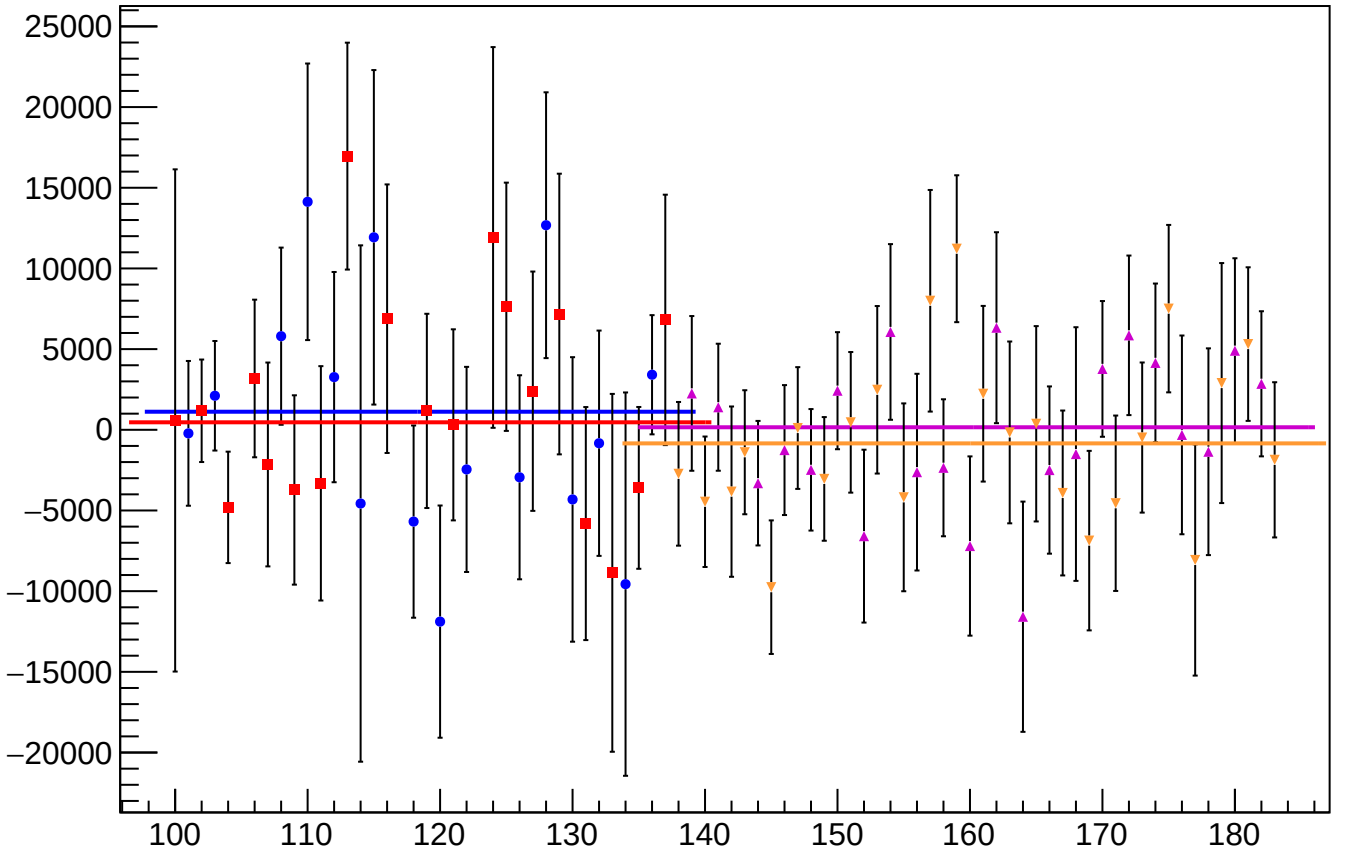
Left: 1860.123+/-0.216 χ^2/NDF: 42133.1/45

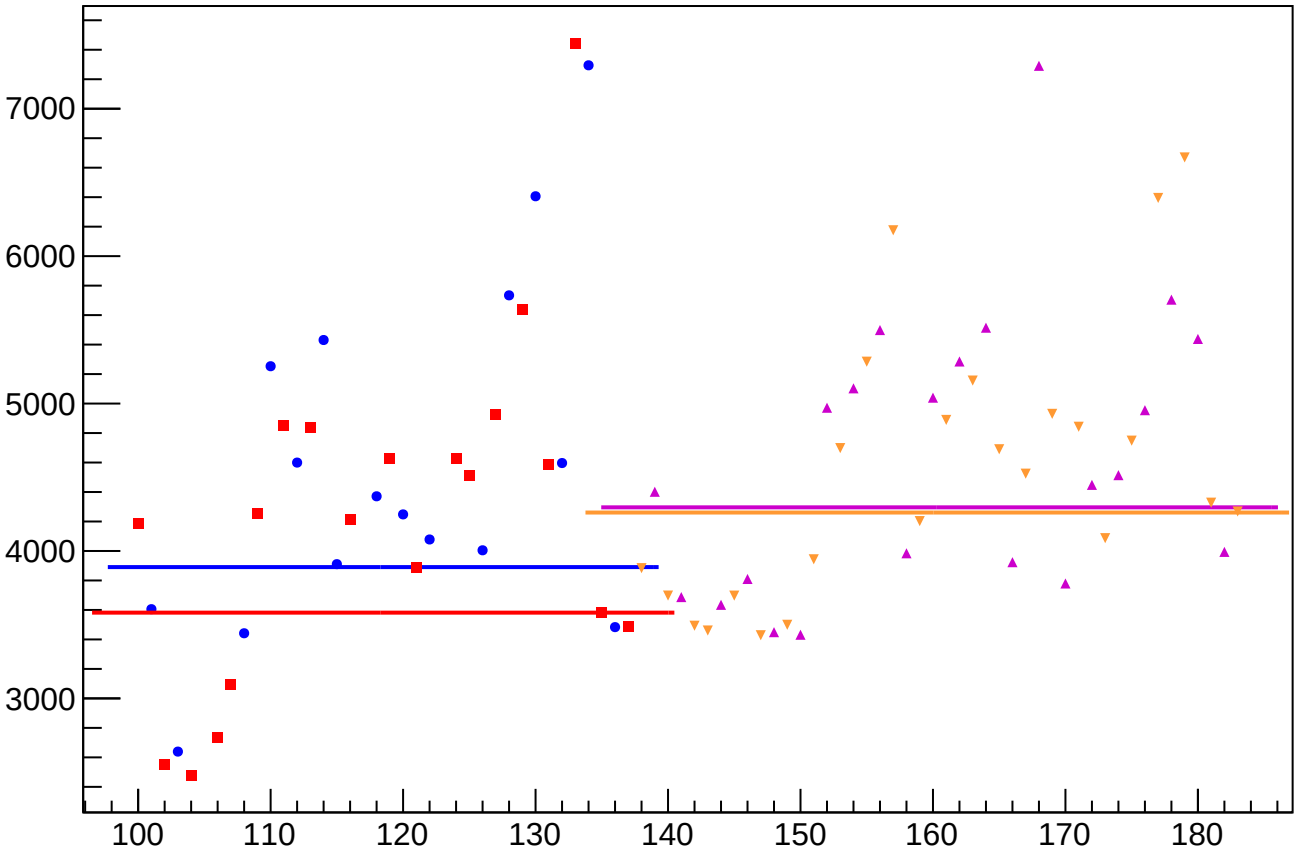
Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1872.189+/-0.265 χ^2/NDF:720888.8/37

Out: 1871.027+/-0.258 χ^2/NDF:248475.0/42

All: 1871.592+/-0.185 χ^2/NDF: 969373.7/80


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 1120.173+/-1497.671 χ²/NDF: 13.5/15
Left Out: -841.675+/-996.953 χ²/NDF:23.8/23
Right Out: 464.368+/-1370.818 χ²/NDF: 15.0/18
Left In: 157.191+/-1032.505 χ²/NDF:15.1/21
Left: -359.735+/-717.192 χ²/NDF: 39.4/45
Right: 763.326+/-1011.192 χ²/NDF: 28.6/34
In: 467.429+/-850.070 χ²/NDF:28.8/37
Out: -389.858+/-806.273 χ²/NDF:39.4/42
All: 16.133+/-584.992 χ²/NDF: 68.8/80



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4260.840+/-0.705 χ^2/NDF:1190549.6/23

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: 4277.827+/-0.507 χ^2/NDF: 2402622.7/45

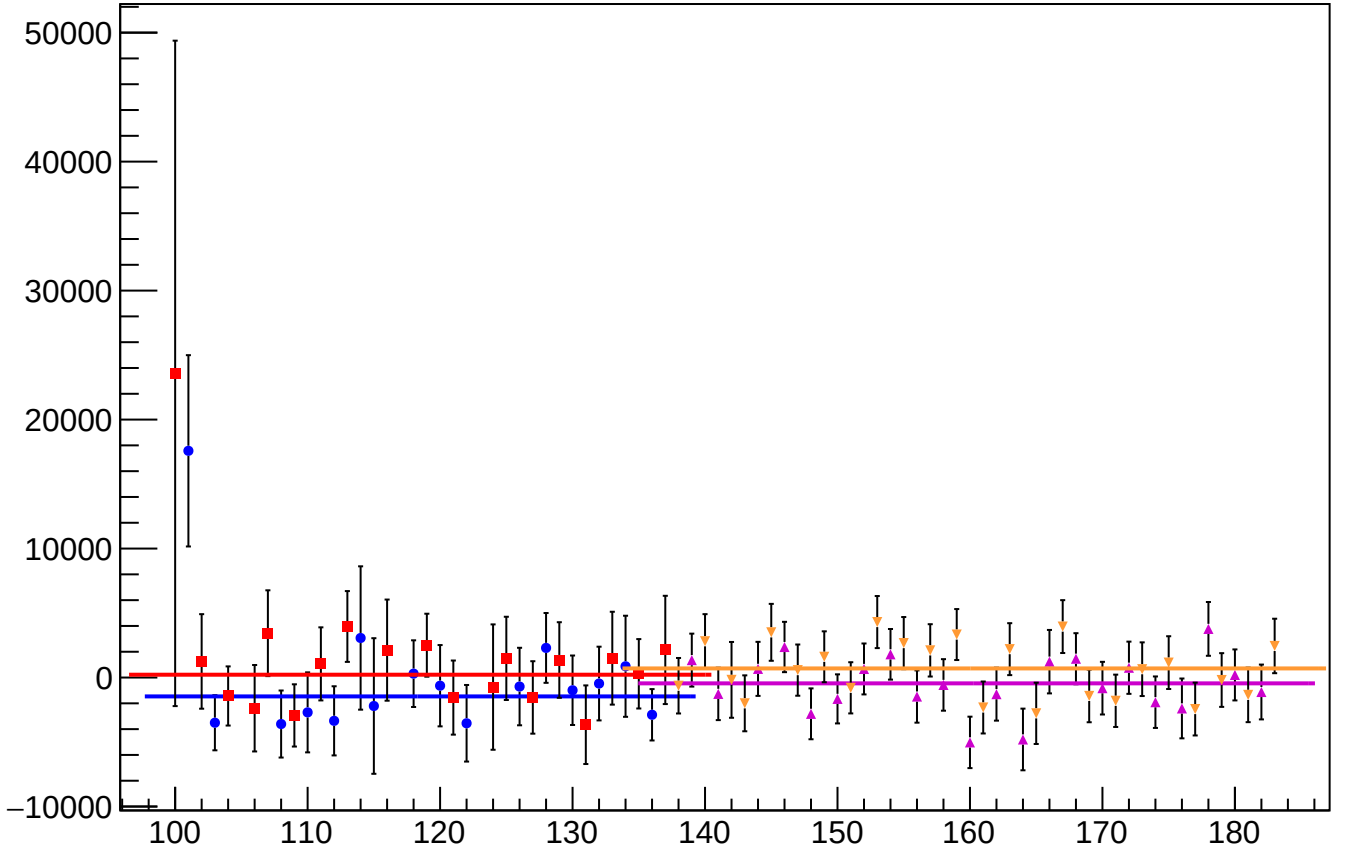
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4165.462+/-0.601 χ^2/NDF:2188590.2/37

Out: 4025.923+/-0.570 χ^2/NDF:2733401.9/42

All: 4092.006+/-0.414 χ^2/NDF: 4950361.0/80

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 706.576+/-426.084 χ^2/NDF:26.1/23

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: 143.182+/-305.219 χ^2/NDF: 52.8/45

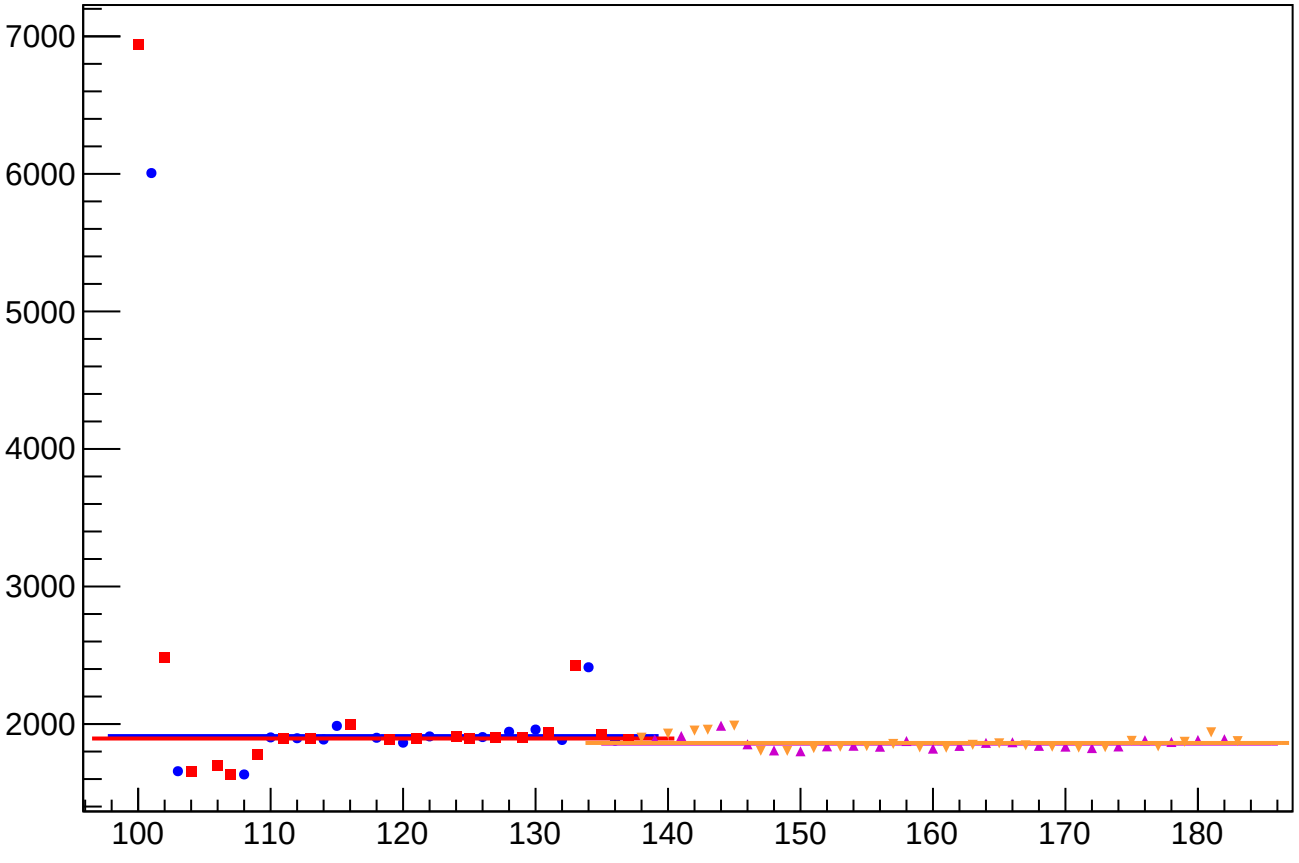
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -718.923+/-374.987 χ^2/NDF:38.1/37

Out: 577.358+/-365.188 χ^2/NDF:37.3/42

All: -53.625+/-261.623 χ^2/NDF: 81.5/80

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1862.432+/-0.301 χ^2/NDF:25632.0/23

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.690+/-0.309 χ^2/NDF:16380.4/21

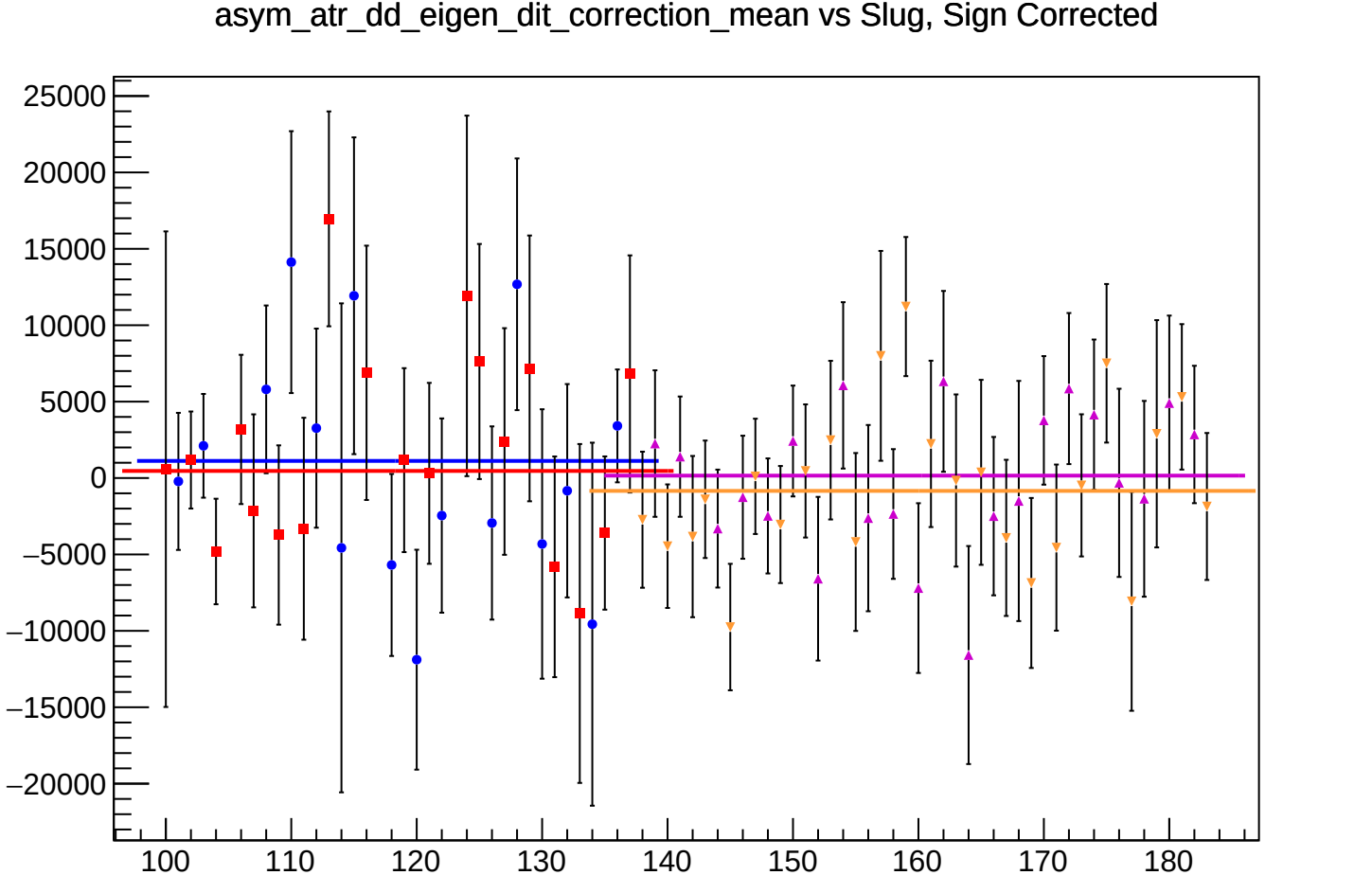
Left: 1860.123+/-0.216 χ^2/NDF: 42132.9/45

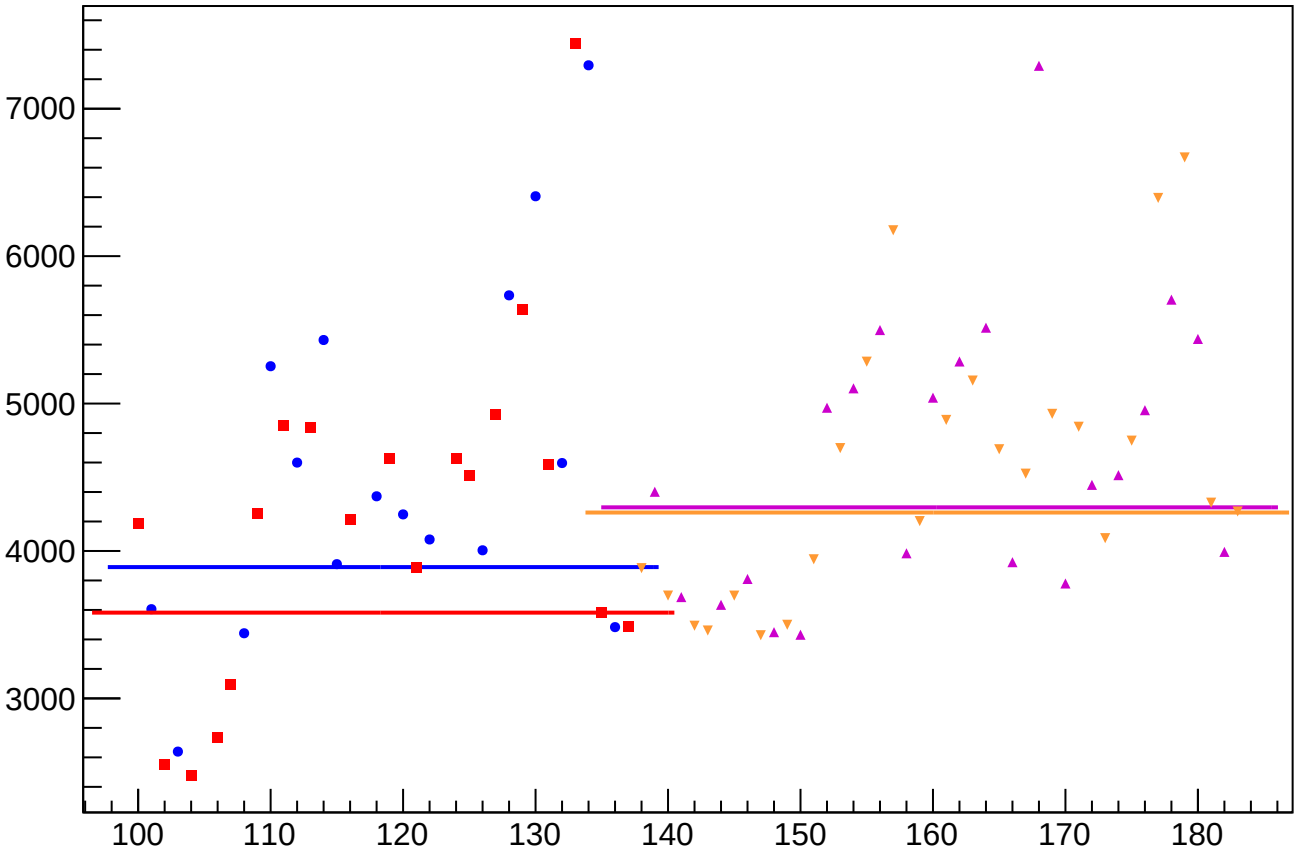
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1872.189+/-0.265 χ^2/NDF:720888.3/37

Out: 1871.027+/-0.258 χ^2/NDF:248474.9/42

All: 1871.593+/-0.185 χ^2/NDF: 969373.1/80


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 1120.159+/-1497.669 χ²/NDF: 13.5/15
Left Out: -841.673+/-996.955 χ²/NDF:23.8/23
Right Out: 464.367+/-1370.817 χ²/NDF: 15.0/18
Left In: 157.193+/-1032.507 χ²/NDF:15.1/21
Left: -359.733+/-717.193 χ²/NDF: 39.4/45
Right: 763.319+/-1011.191 χ²/NDF: 28.6/34
In: 467.427+/-850.071 χ²/NDF:28.8/37
Out: -389.856+/-806.274 χ²/NDF:39.4/42
All: 16.134+/-584.992 χ²/NDF: 68.8/80



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4260.846+/-0.705 χ^2/NDF:1190552.4/23

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4296.054+/-0.730 χ^2/NDF:1210875.5/21

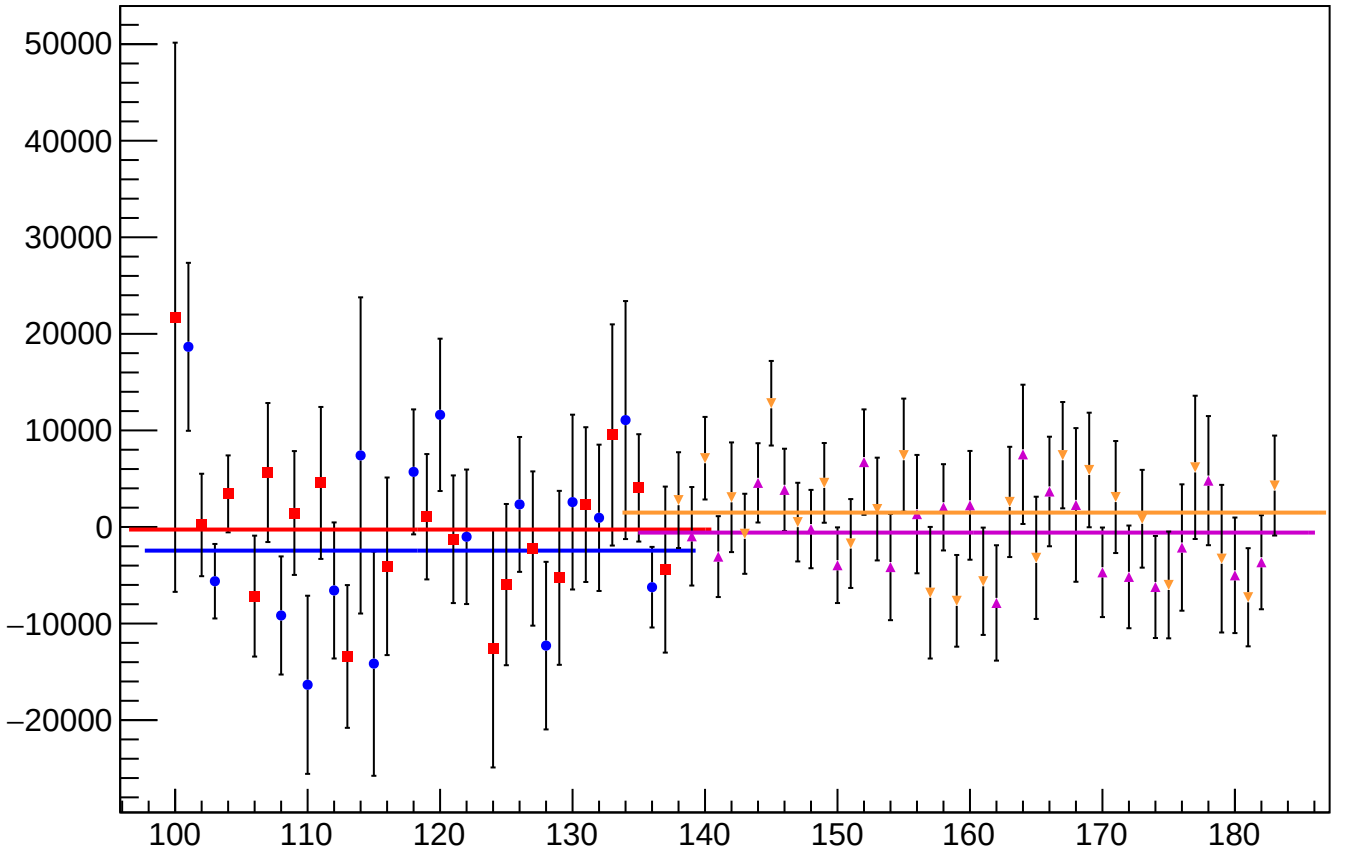
Left: 4277.833+/-0.507 χ^2/NDF: 2402631.4/45

Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4165.465+/-0.601 χ^2/NDF:2188591.6/37

Out: 4025.926+/-0.570 χ^2/NDF:2733405.5/42

All: 4092.008+/-0.414 χ^2/NDF: 4950366.1/80



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1489.153+/-1056.814 χ^2/NDF:26.1/23

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: 487.602+/-759.489 χ^2/NDF: 42.4/45

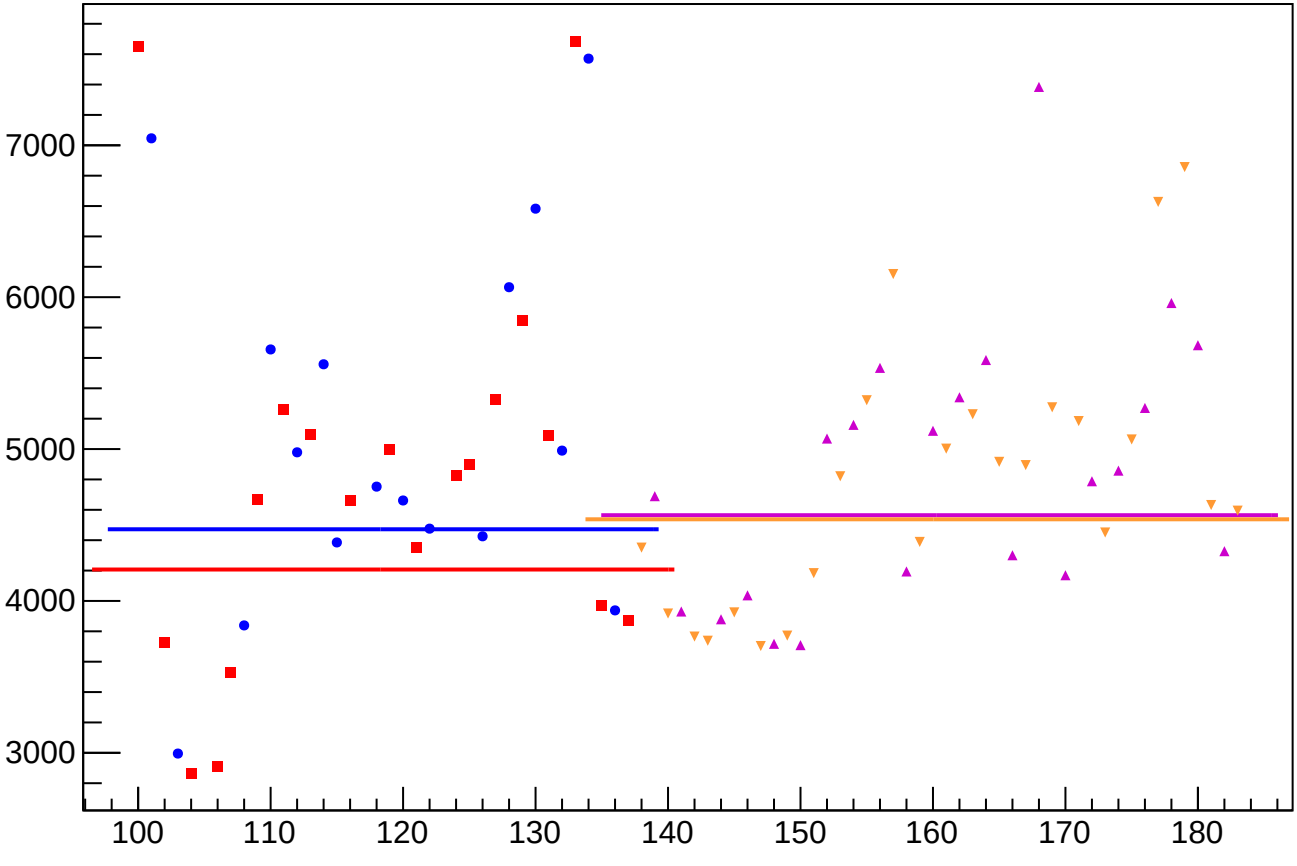
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -1118.562+/-921.981 χ^2/NDF:36.1/37

Out: 966.398+/-885.545 χ^2/NDF:37.6/42

All: -34.070+/-638.667 χ^2/NDF: 76.4/80

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4537.569+/-0.747 χ^2/NDF:992887.9/23

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4564.497+/-0.772 χ^2/NDF:978749.8/21

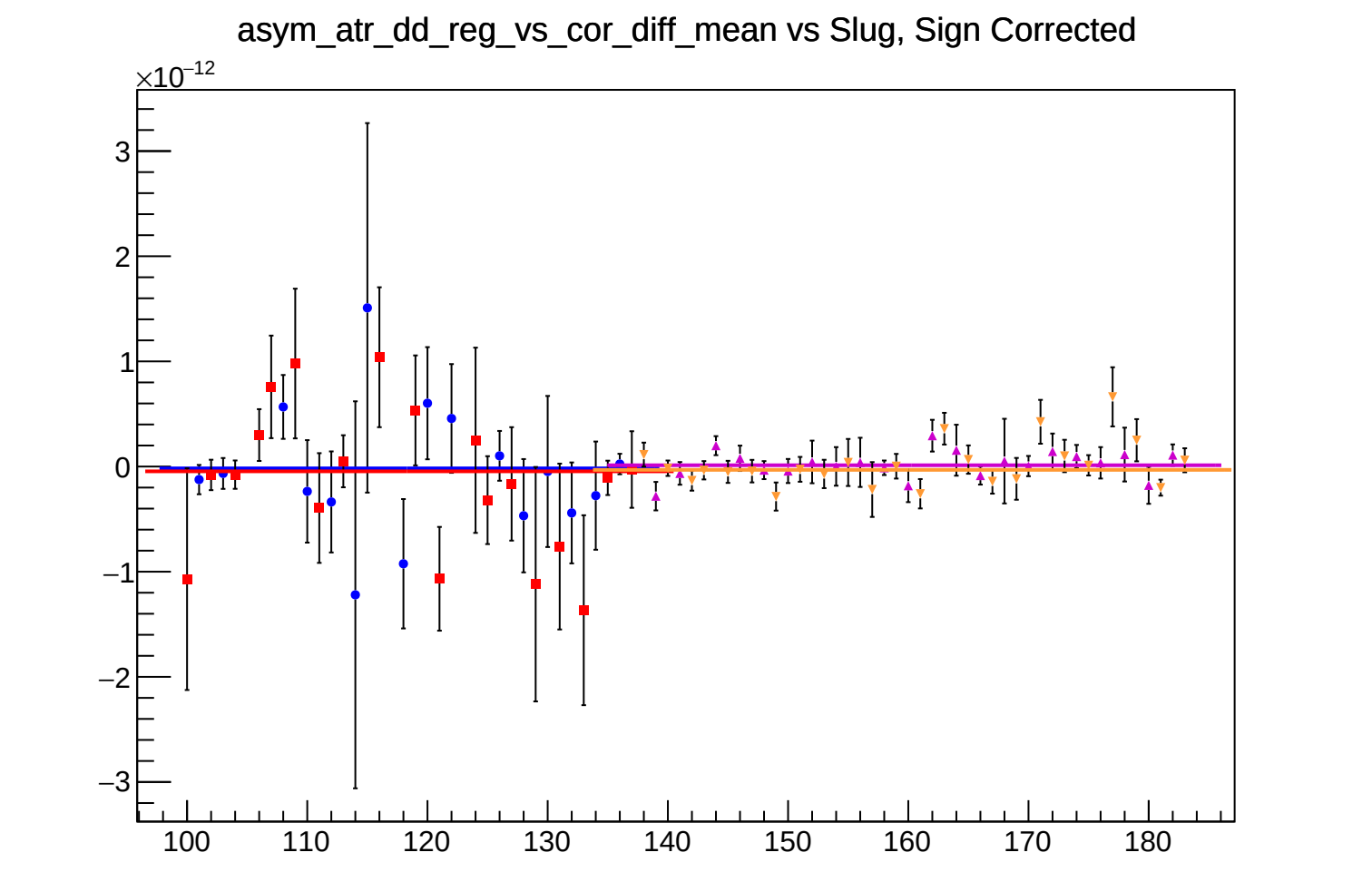
Left: 4550.589+/-0.537 χ^2/NDF: 1972265.6/45

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4537.882+/-0.652 χ^2/NDF:1874559.7/37

Out: 4437.941+/-0.625 χ^2/NDF:1898405.6/42

All: 4485.776+/-0.451 χ^2/NDF: 3785217.7/80



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:20.6/21

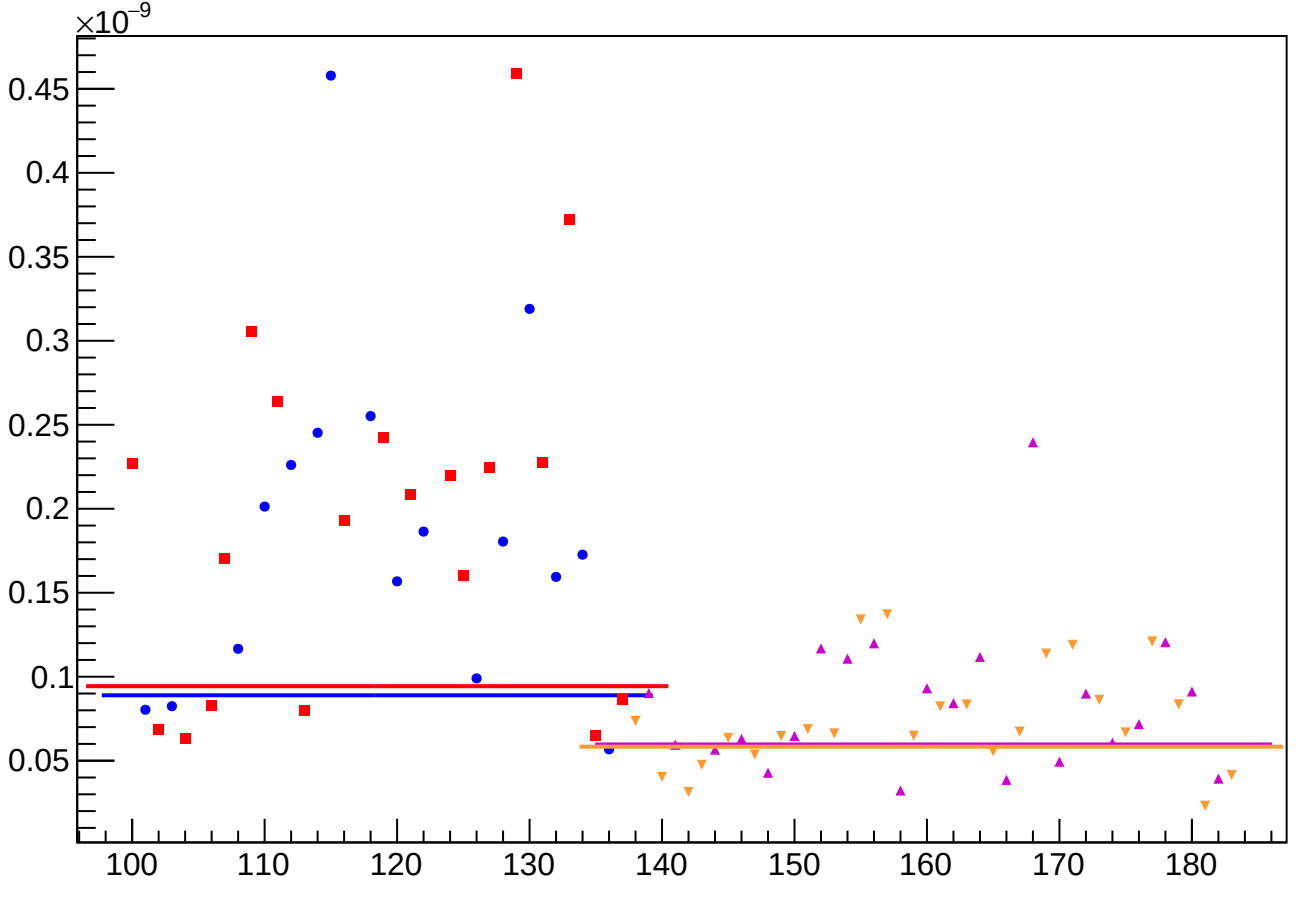
Left: -0.000+/-0.000 χ^2/NDF: 59.7/45

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:58.8/42

All: -0.000+/-0.000 χ^2/NDF: 93.9/80



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1932715.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2063243.2/21

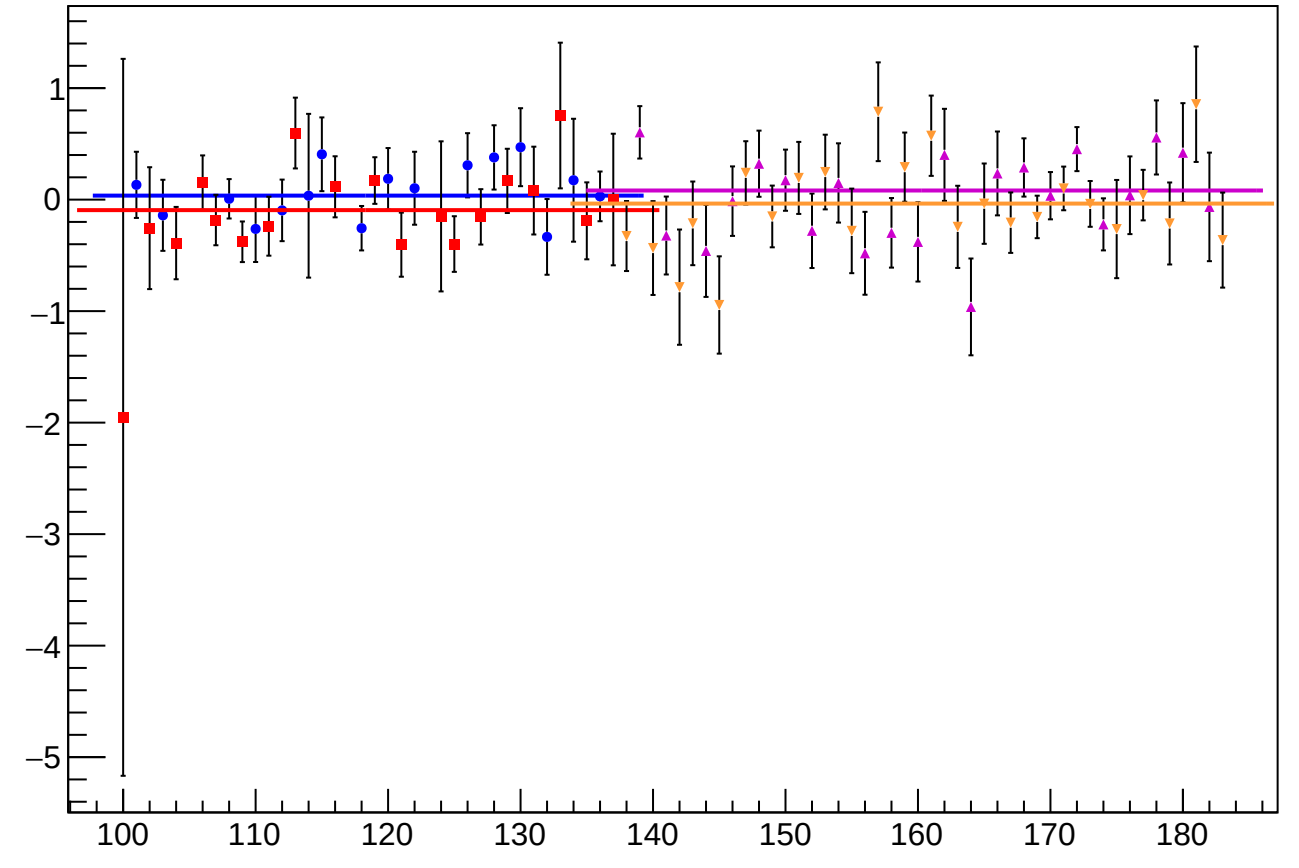
Left: 0.000+/-0.000 χ^2/NDF: 3998686.7/45

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:4123122.8/42

All: 0.000+/-0.000 χ^2/NDF: 7806582.9/80



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.036+/-0.063 χ^2/NDF:24.4/23

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.082+/-0.065 χ^2/NDF:30.7/21

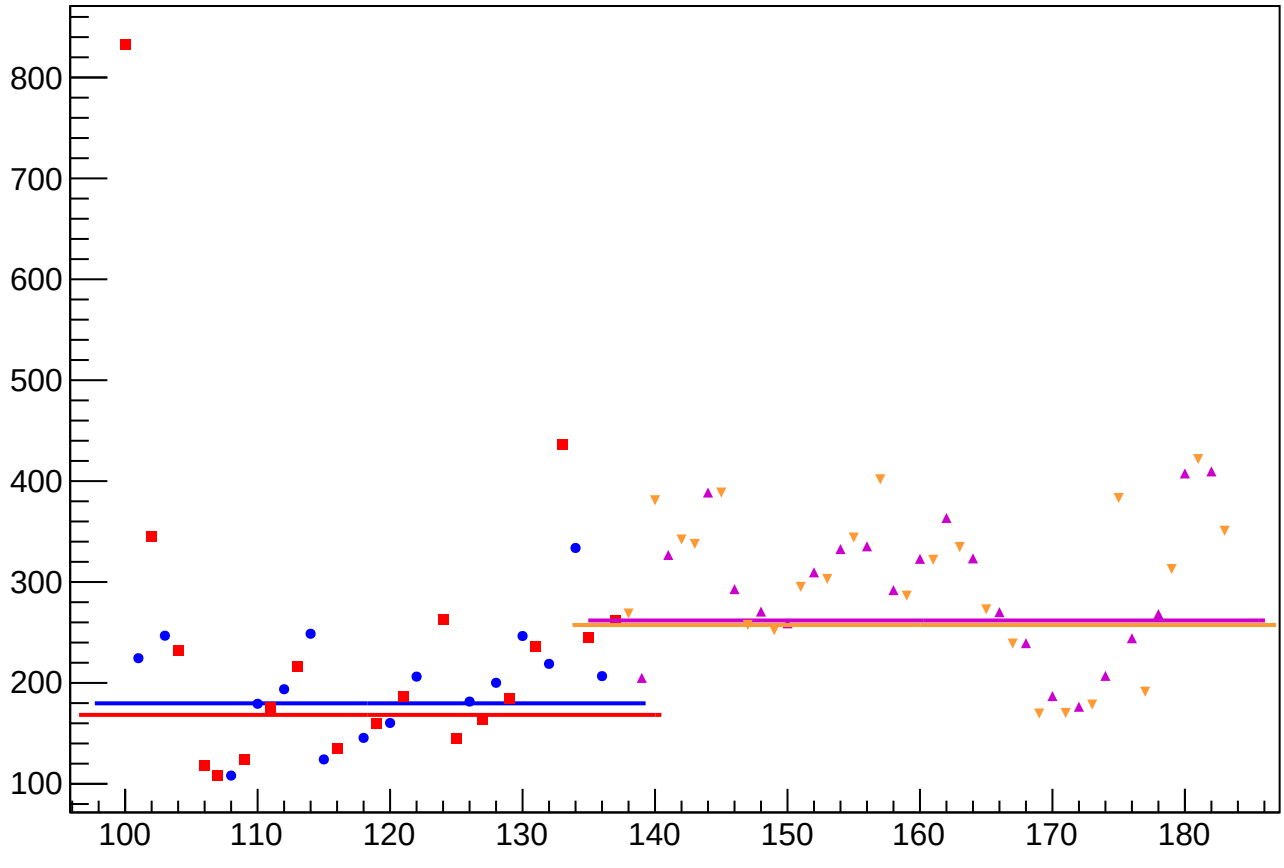
Left: 0.021+/-0.045 χ^2/NDF: 56.7/45

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.061+/-0.048 χ^2/NDF:41.5/37

Out: -0.063+/-0.046 χ^2/NDF:42.4/42

All: -0.003+/-0.033 χ^2/NDF: 87.3/80



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 257.432+/-0.044 χ^2/NDF:2859125.3/23

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 261.918+/-0.046 χ^2/NDF:1990129.4/21

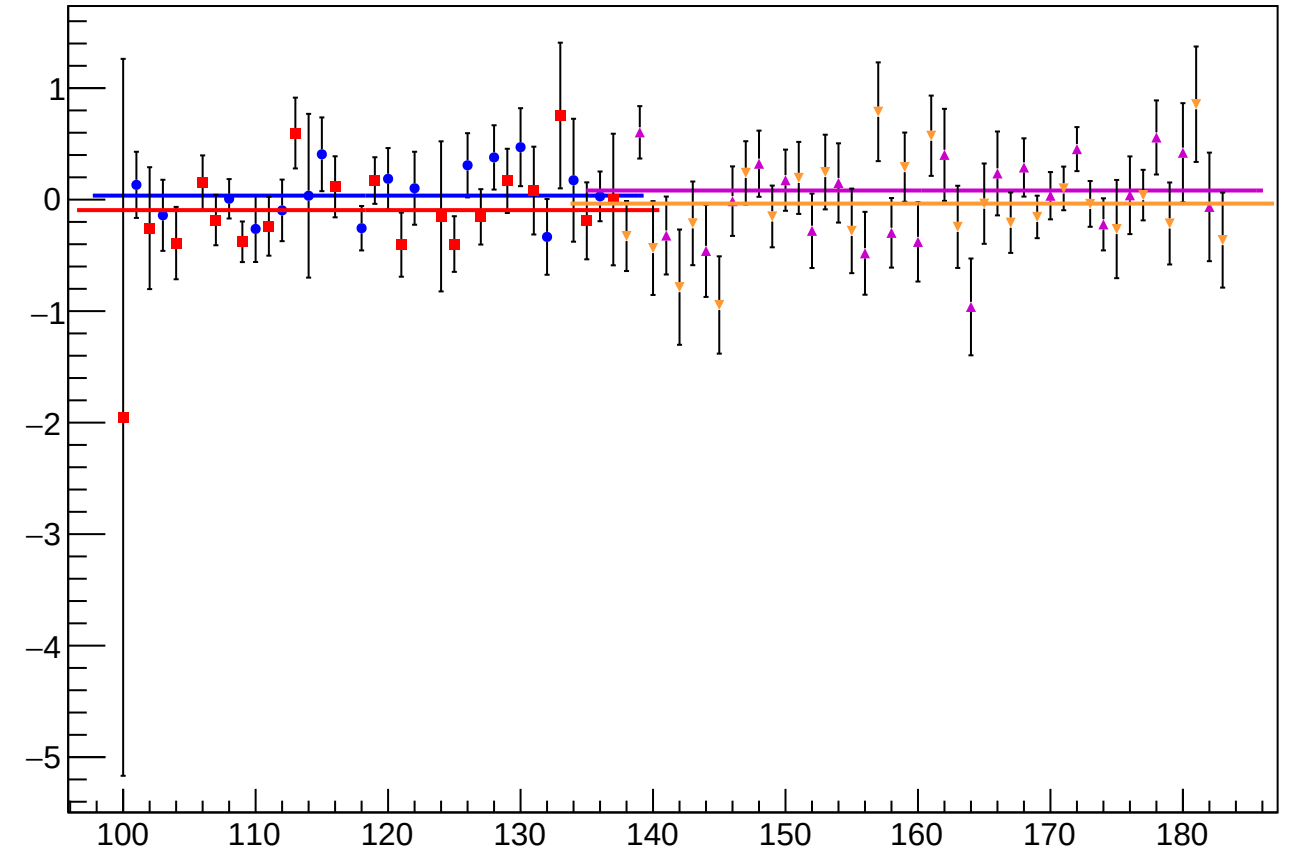
Left: 259.592+/-0.032 χ^2/NDF: 4854163.0/45

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 224.096+/-0.034 χ^2/NDF:4369297.2/37

Out: 216.159+/-0.033 χ^2/NDF:6131473.7/42

All: 219.970+/-0.023 χ^2/NDF: 10529316.1/80



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.036+/-0.063 χ^2/NDF:24.4/23

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: 0.021+/-0.045 χ^2/NDF: 56.7/45

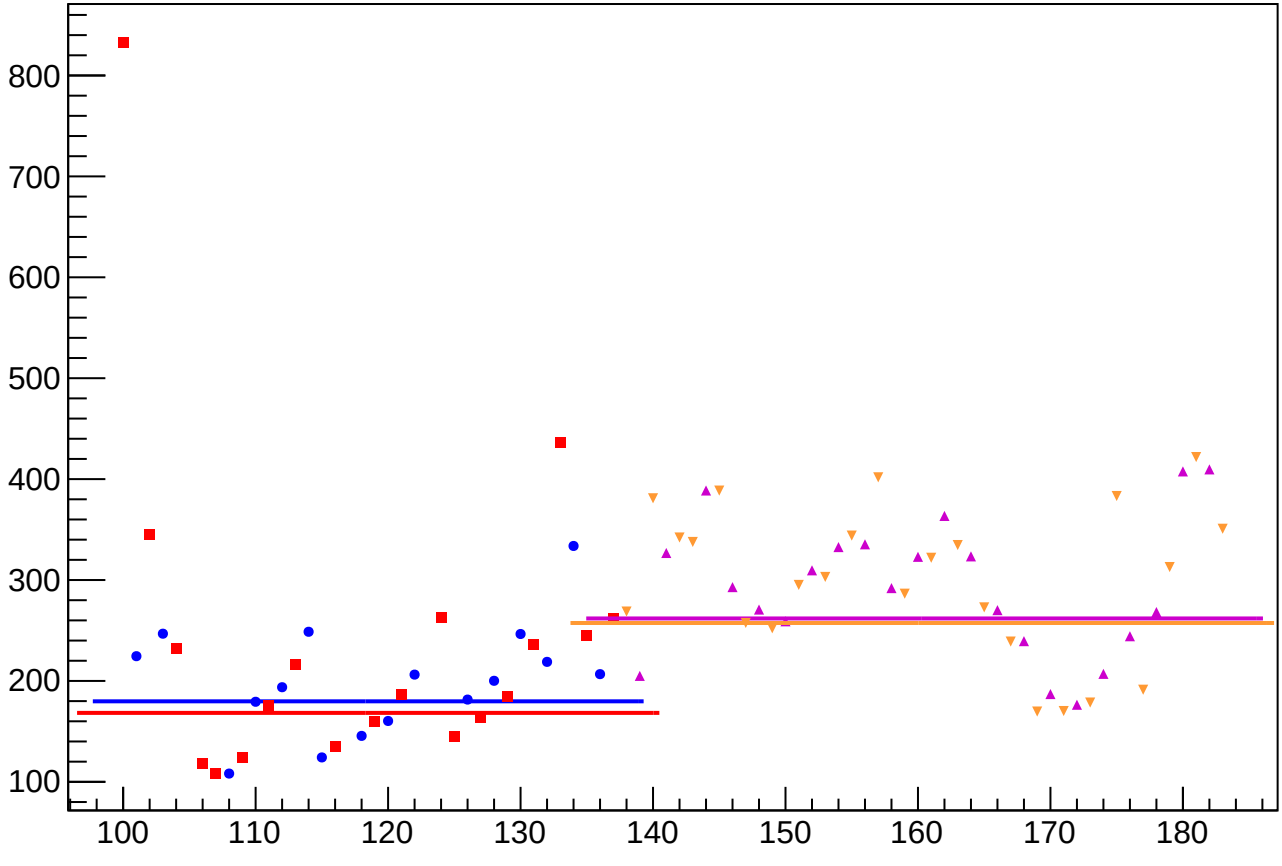
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.061+/-0.048 χ^2/NDF:41.5/37

Out: -0.063+/-0.046 χ^2/NDF:42.4/42

All: -0.003+/-0.033 χ^2/NDF: 87.3/80

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: 257.432+/-0.044 χ^2/NDF:2859125.3/23

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 261.918+/-0.046 χ^2/NDF:1990129.4/21

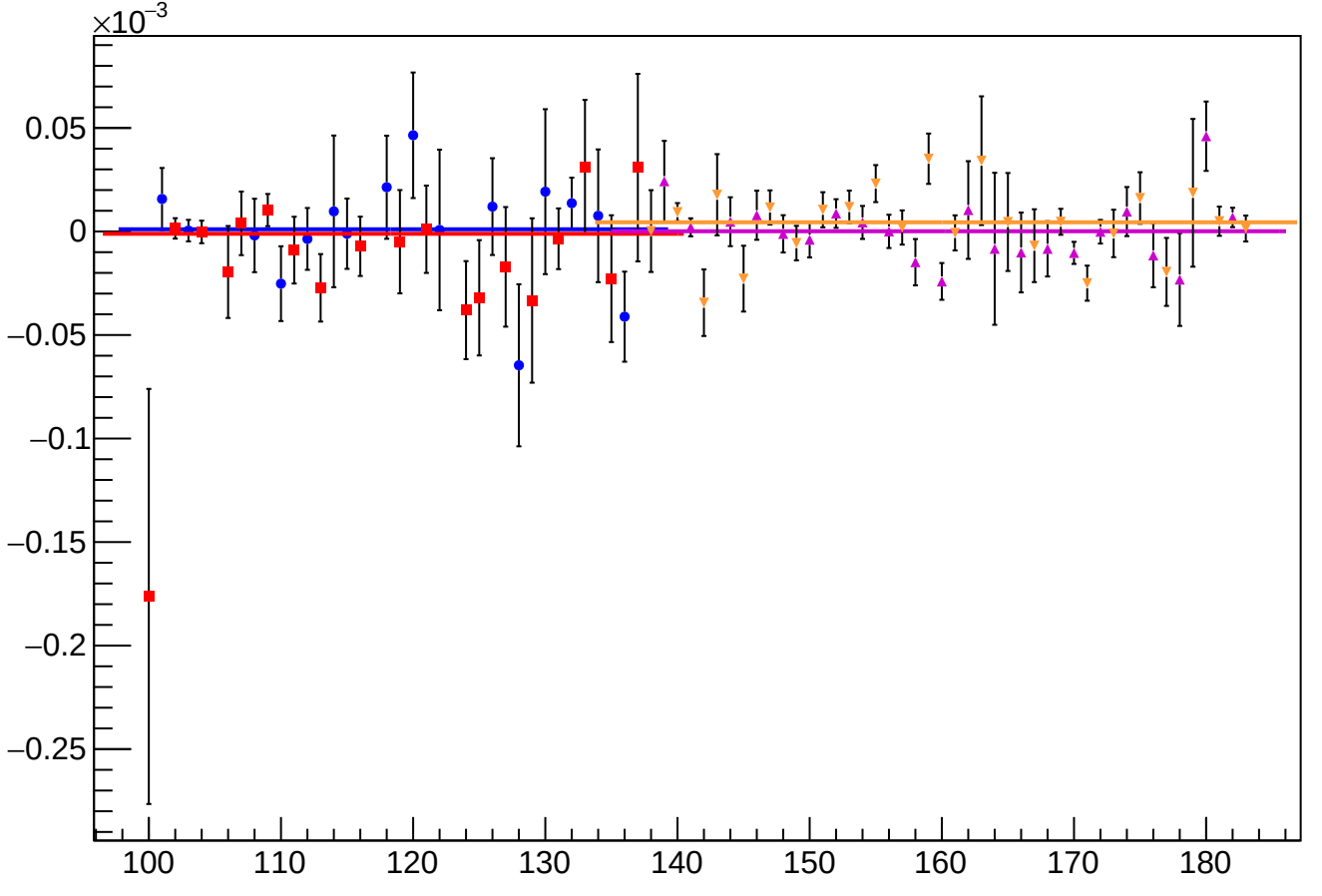
Left: 259.592+/-0.032 χ^2/NDF: 4854163.0/45

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 224.096+/-0.034 χ^2/NDF:4369297.2/37

Out: 216.159+/-0.033 χ^2/NDF:6131473.7/42

All: 219.970+/-0.023 χ^2/NDF: 10529316.1/80



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.3/23

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

Left In: 0.000+/-0.000 χ^2/NDF:30.2/21

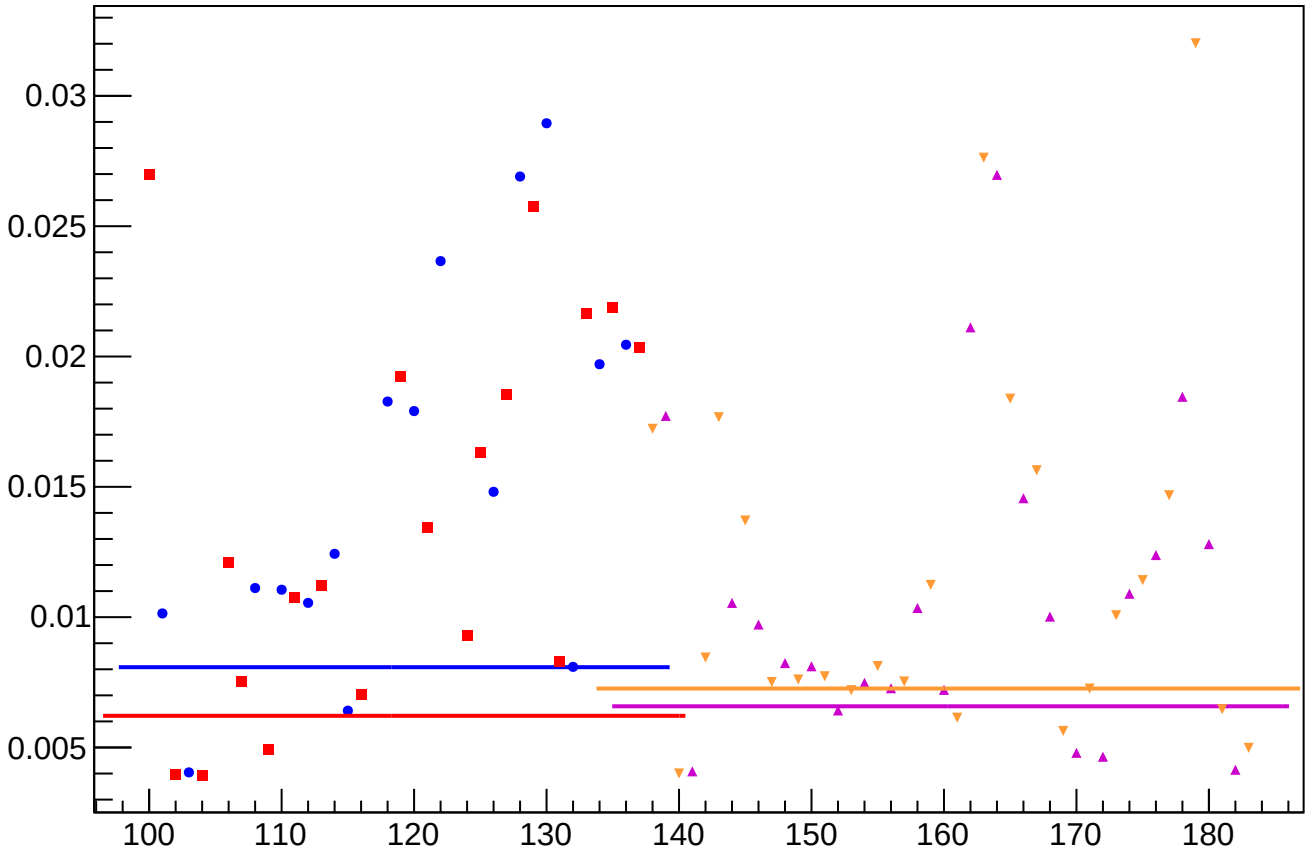
Left: 0.000+/-0.000 χ^2/NDF: 75.3/45

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:61.0/42

All: 0.000+/-0.000 χ^2/NDF: 106.7/80



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:6698105.6/23

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:6320529.6/21

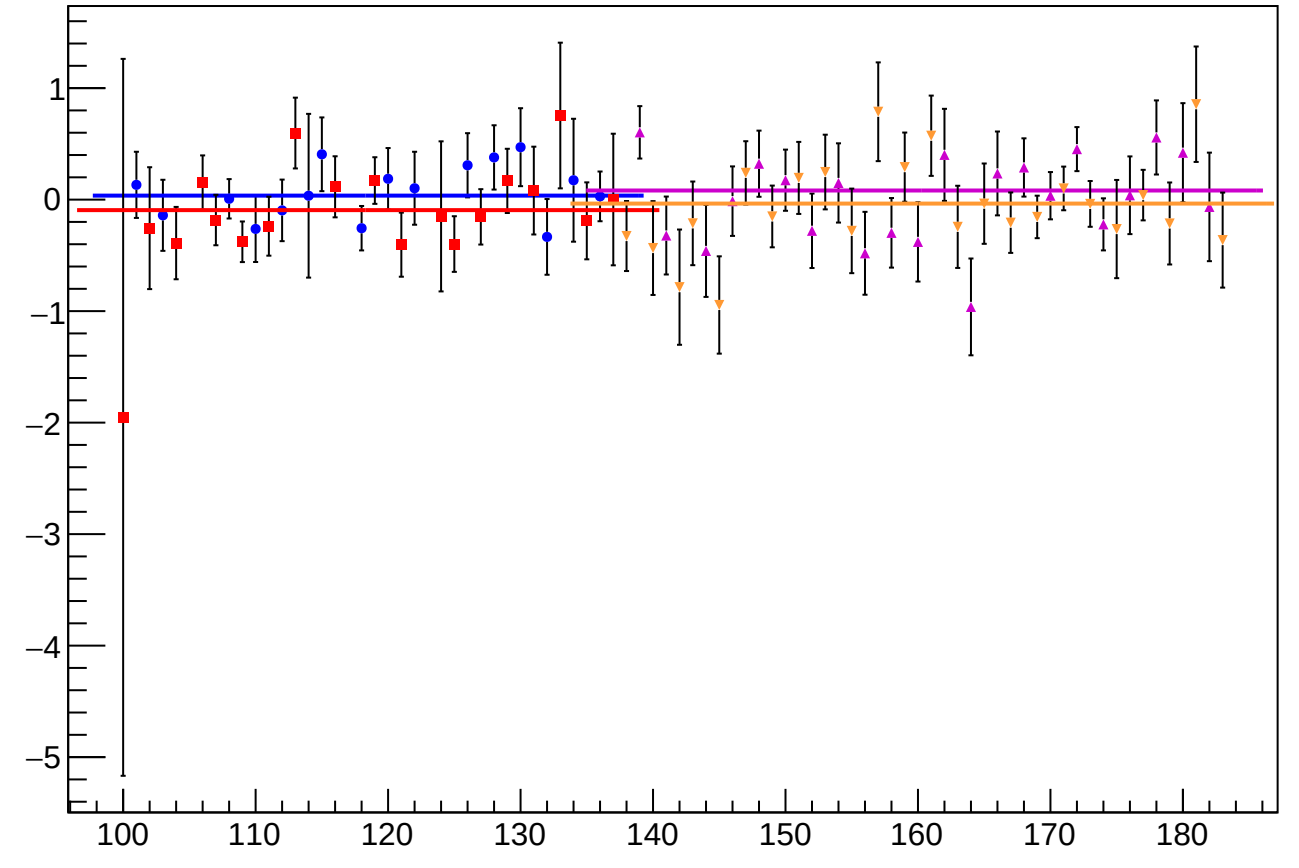
Left: 0.007+/-0.000 χ^2/NDF: 13155271.3/45

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:11450029.4/42

All: 0.007+/-0.000 χ^2/NDF: 22450358.2/80



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.036+/-0.063 χ^2/NDF:24.4/23

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: 0.021+/-0.045 χ^2/NDF: 56.7/45

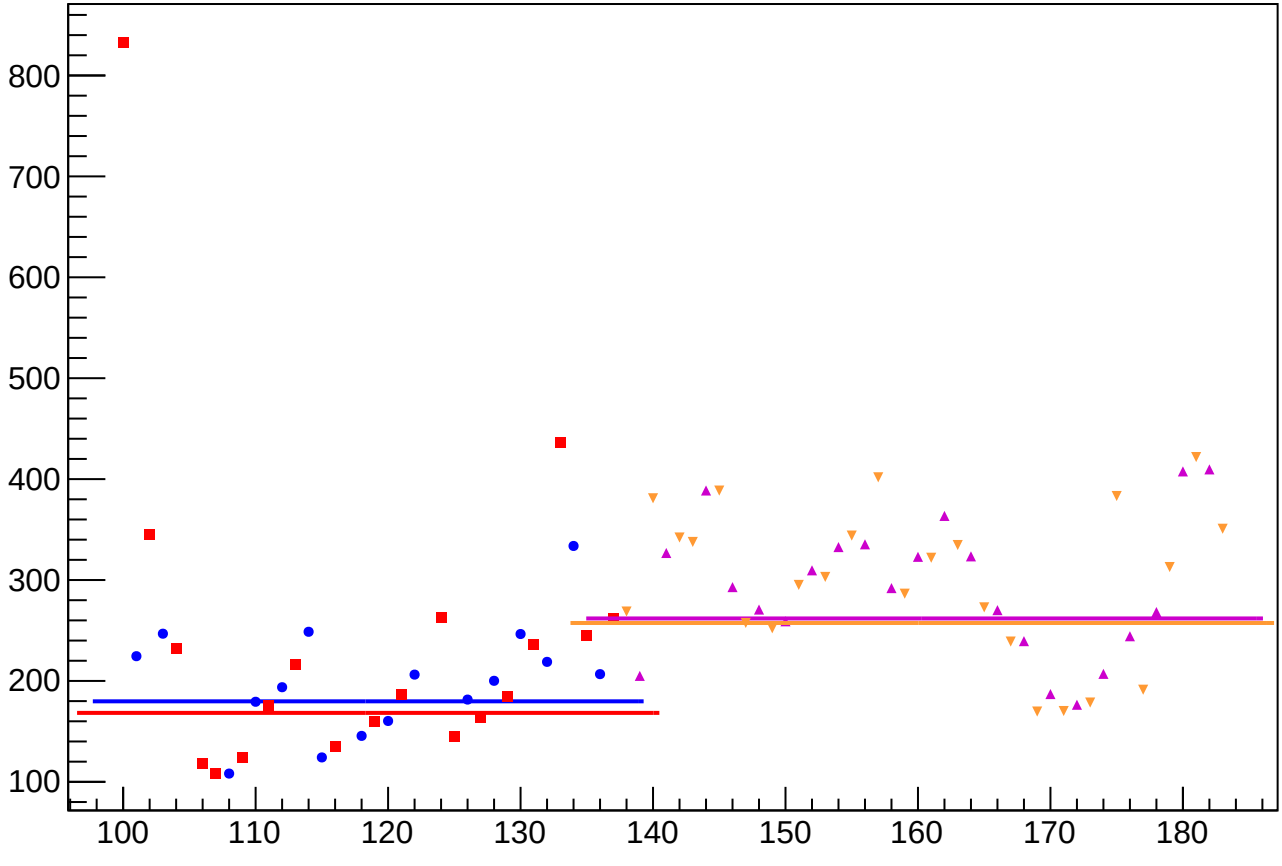
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.061+/-0.048 χ^2/NDF:41.5/37

Out: -0.063+/-0.046 χ^2/NDF:42.4/42

All: -0.003+/-0.033 χ^2/NDF: 87.3/80

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 257.434+/-0.044 χ^2/NDF:2859238.7/23

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: 259.594+/-0.032 χ^2/NDF: 4854318.4/45

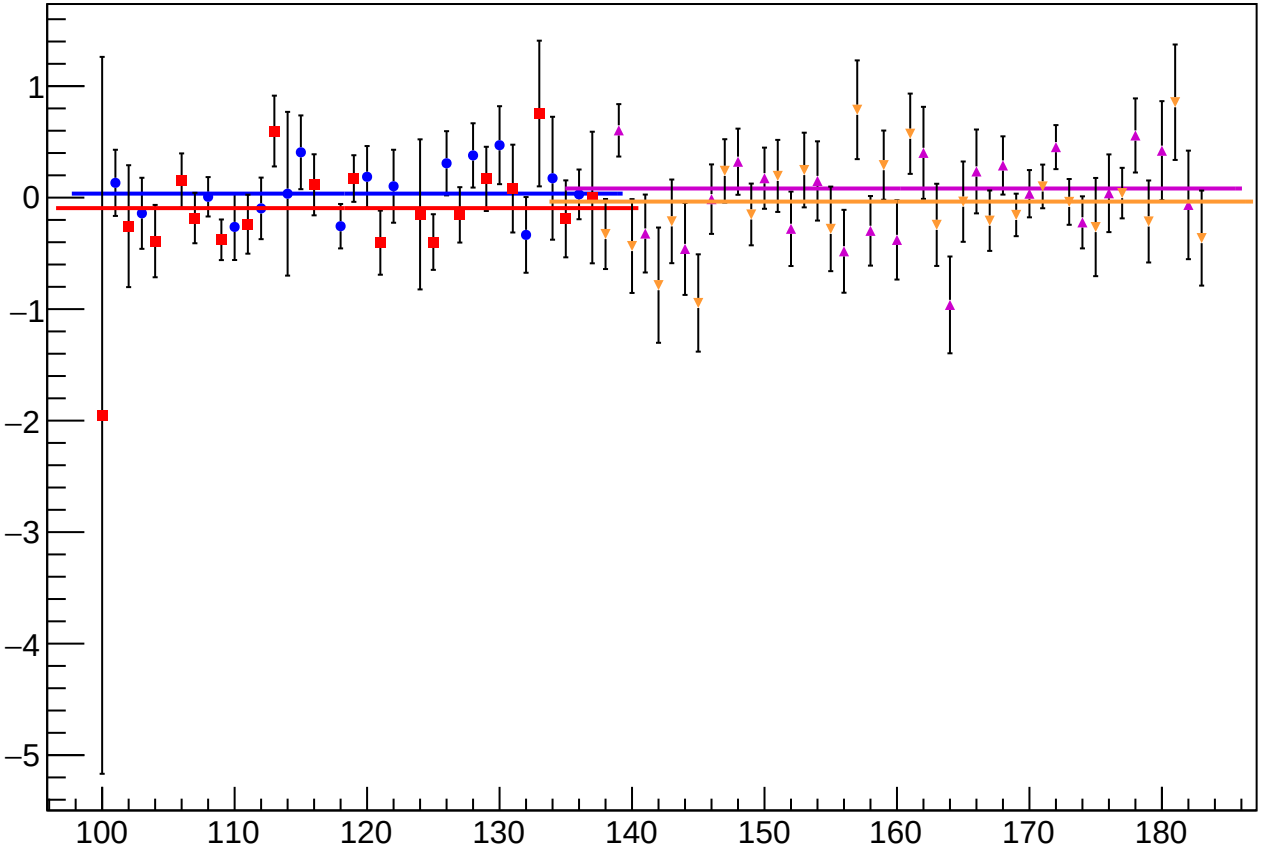
Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 224.095+/-0.034 χ^2/NDF:4369567.5/37

Out: 216.160+/-0.033 χ^2/NDF:6131650.1/42

All: 219.970+/-0.023 χ^2/NDF: 10529753.9/80

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: -0.036+/-0.063 χ^2/NDF:24.4/23

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.082+/-0.065 χ^2/NDF:30.7/21

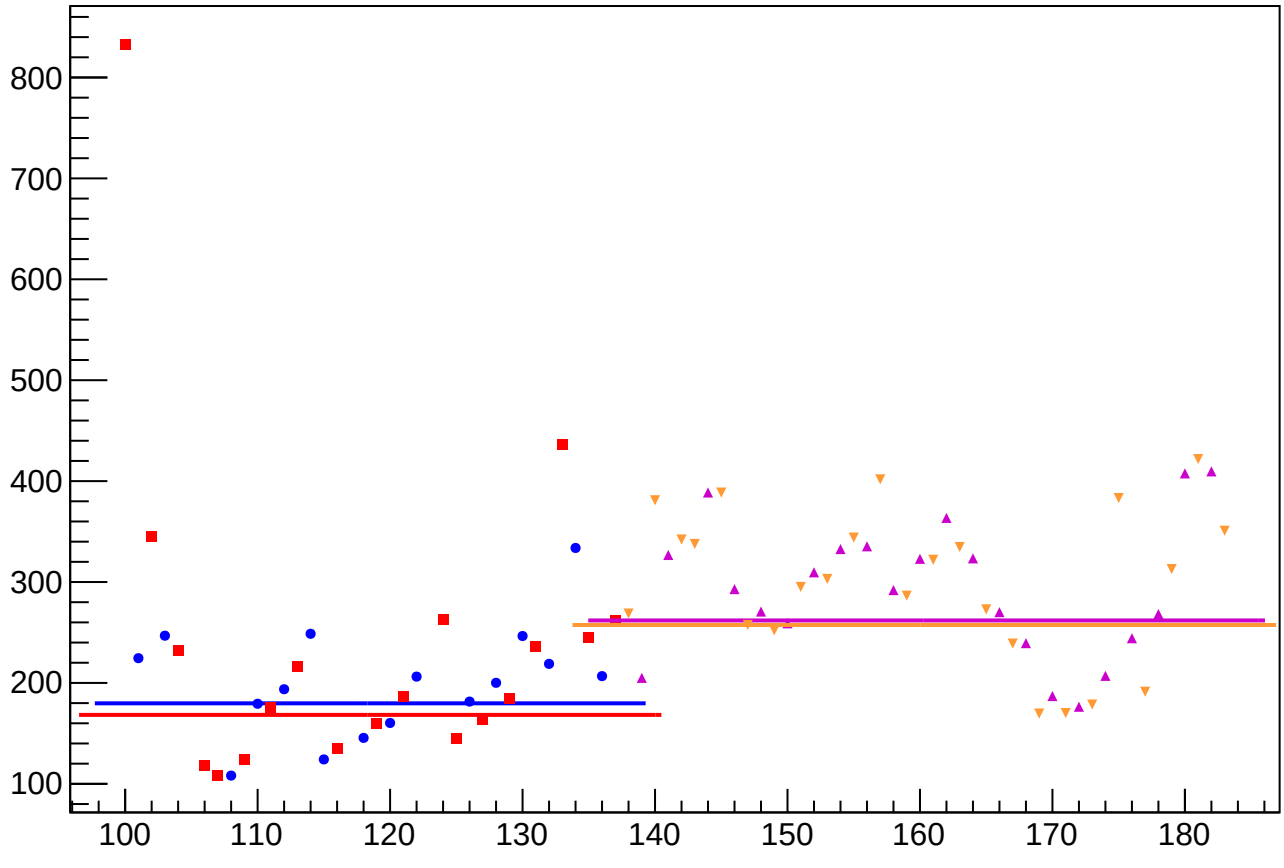
Left: 0.021+/-0.045 χ^2/NDF: 56.7/45

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.061+/-0.048 χ^2/NDF:41.5/37

Out: -0.063+/-0.046 χ^2/NDF:42.4/42

All: -0.003+/-0.033 χ^2/NDF: 87.3/80



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 257.434+/-0.044 χ^2/NDF:2859238.7/23

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 261.921+/-0.046 χ^2/NDF:1990169.8/21

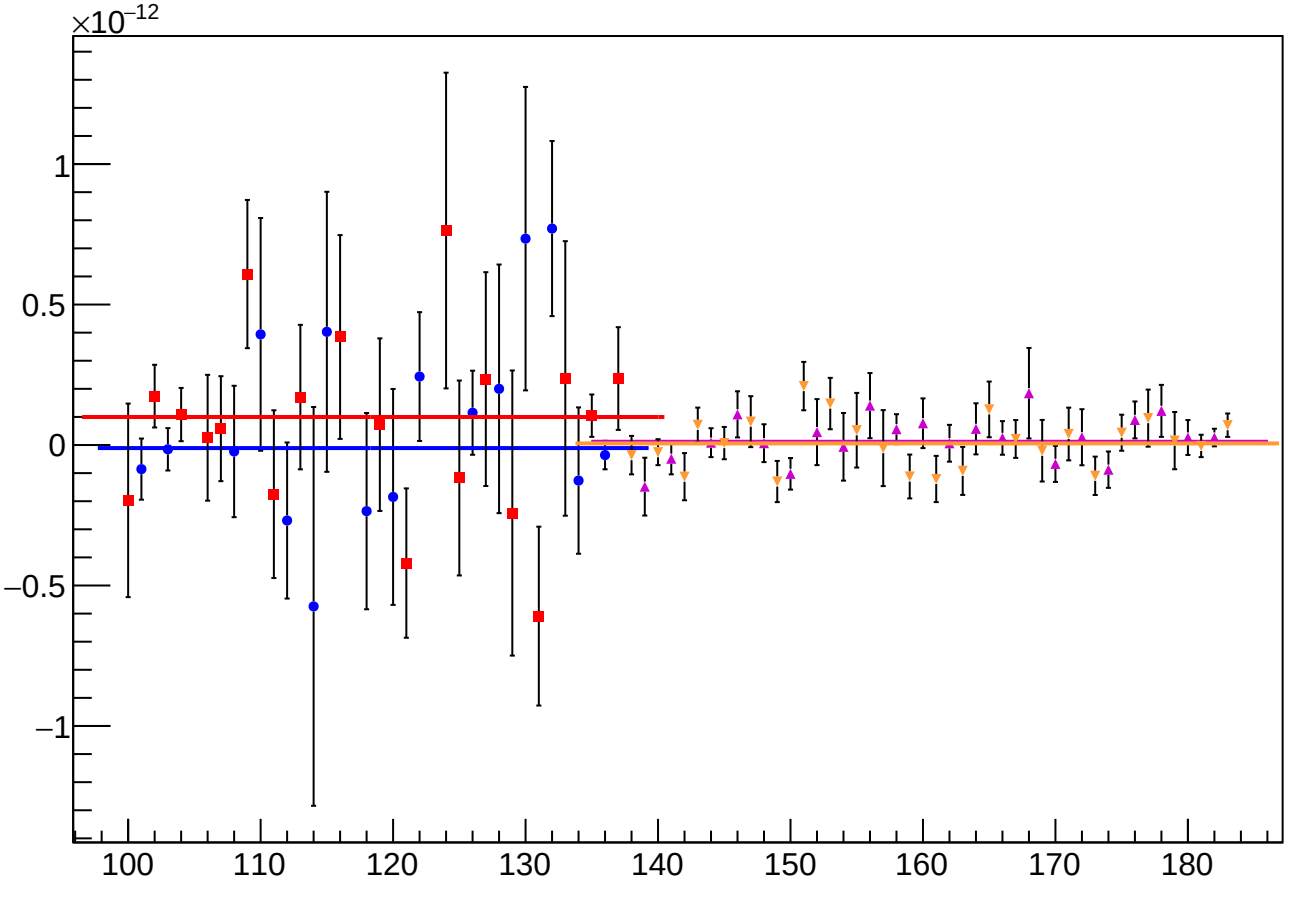
Left: 259.594+/-0.032 χ^2/NDF: 4854318.4/45

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 224.095+/-0.034 χ^2/NDF:4369567.5/37

Out: 216.160+/-0.033 χ^2/NDF:6131650.1/42

All: 219.970+/-0.023 χ^2/NDF: 10529753.9/80



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:20.2/21

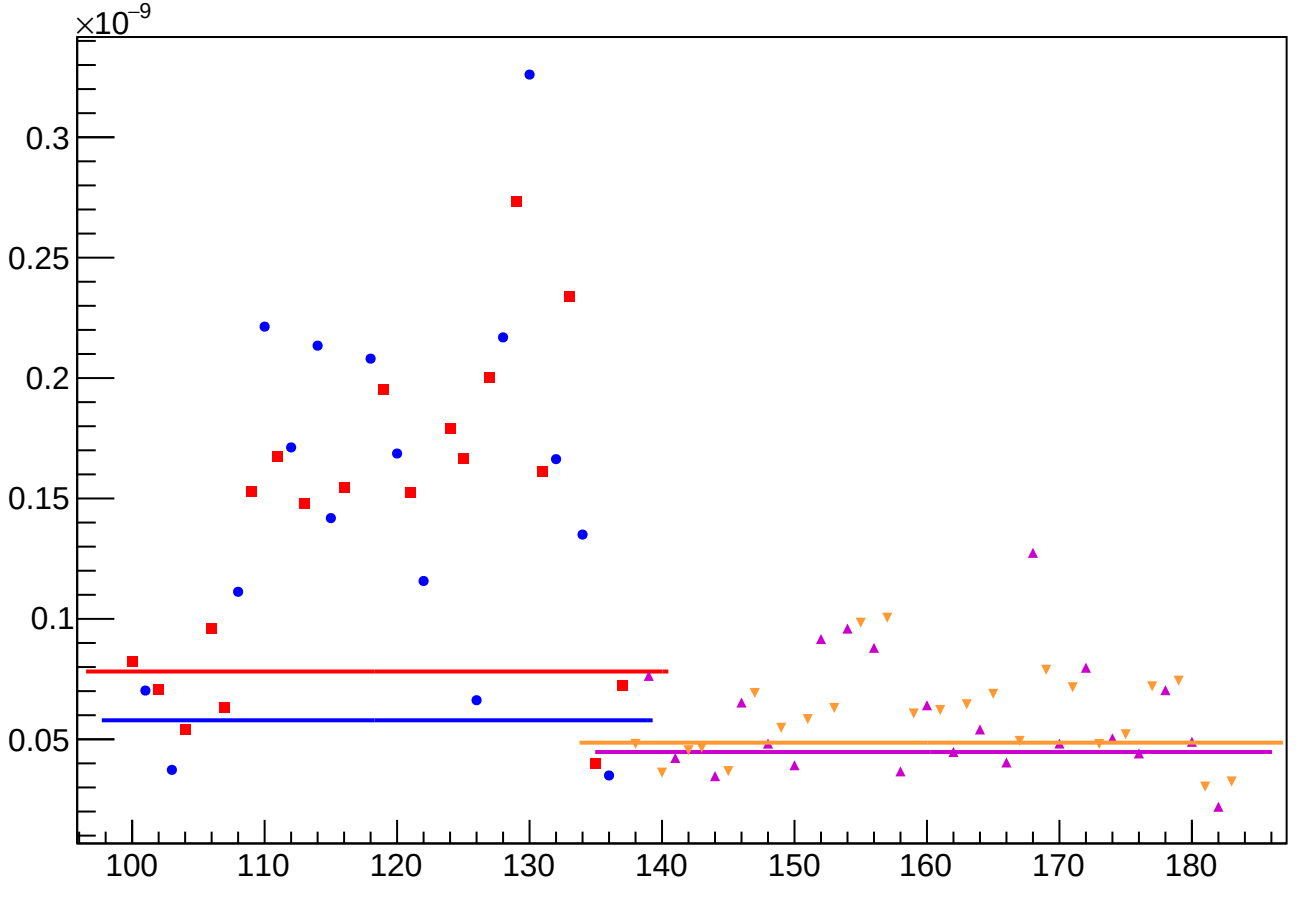
Left: 0.000+/-0.000 χ^2/NDF: 50.7/45

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:53.3/42

All: 0.000+/-0.000 χ^2/NDF: 89.0/80



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2491730.0/23

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: 6128815.4/45

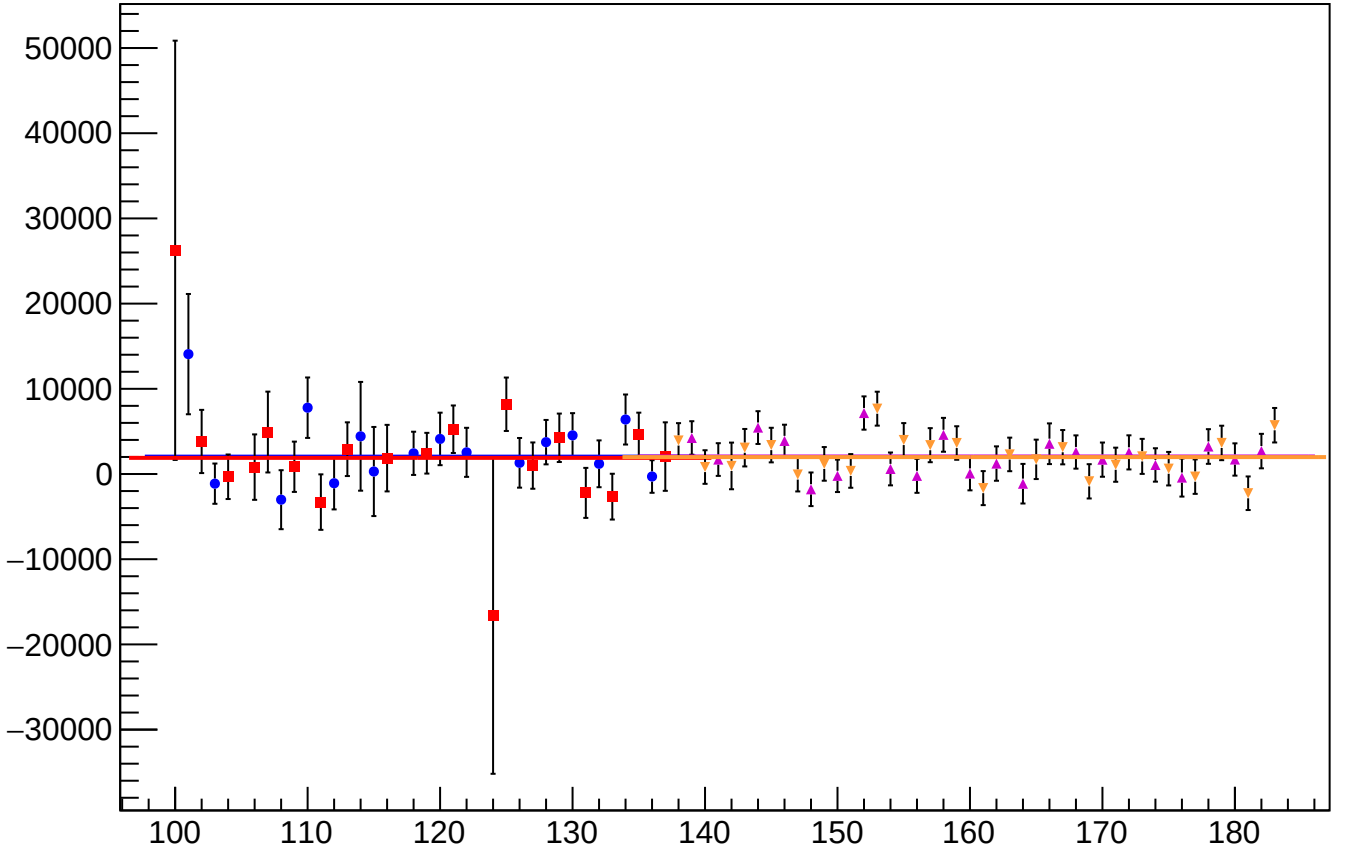
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:7125597.7/37

Out: 0.000+/-0.000 χ^2/NDF:6105909.1/42

All: 0.000+/-0.000 χ^2/NDF: 13380525.7/80

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1984.708+/-415.765 χ^2/NDF:30.8/23

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: 2019.918+/-297.791 χ^2/NDF: 57.2/45

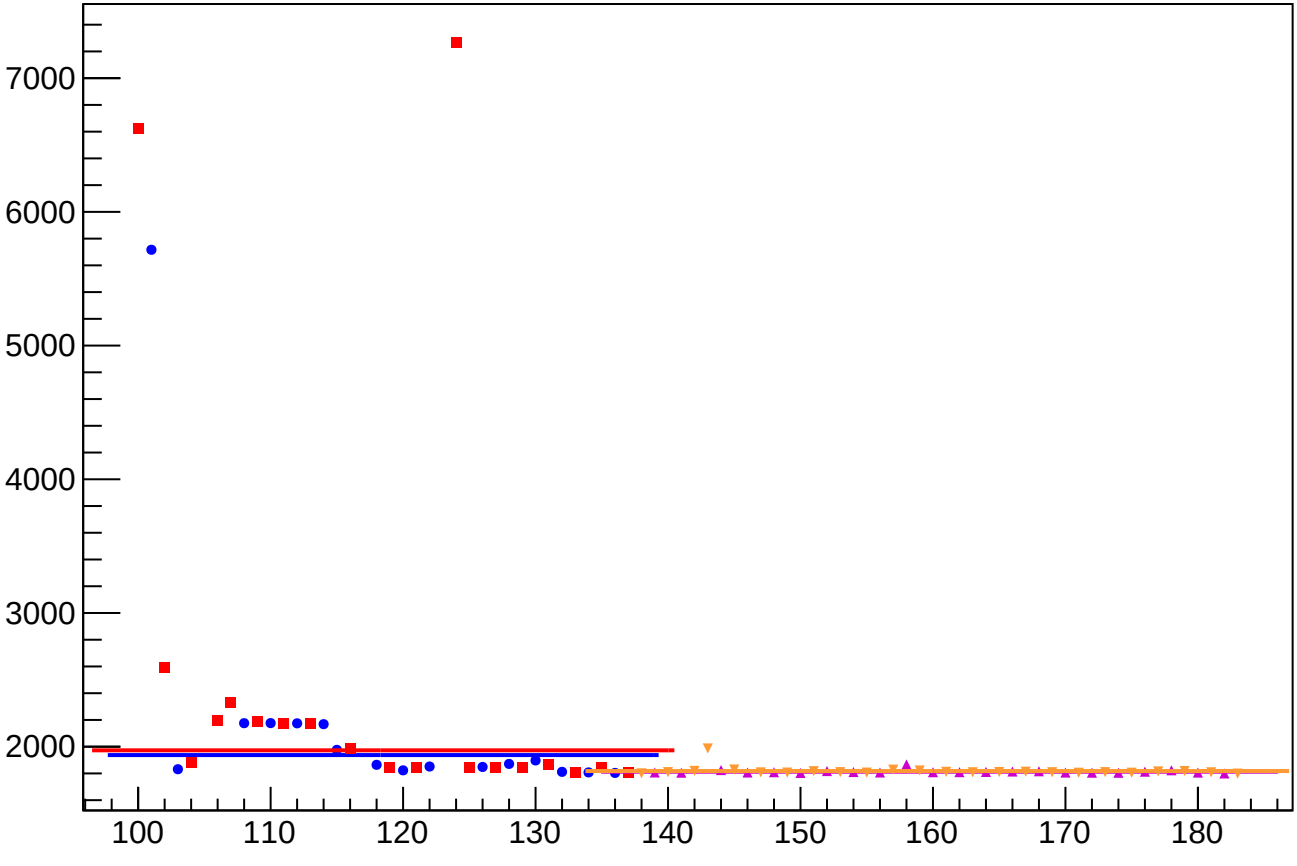
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2052.533+/-369.192 χ^2/NDF:42.9/37

Out: 1963.099+/-362.090 χ^2/NDF:49.3/42

All: 2006.948+/-258.511 χ^2/NDF: 92.2/80

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1817.780+/-0.294 χ^2/NDF:12899.7/23

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1812.750+/-0.302 χ^2/NDF:1985.0/21

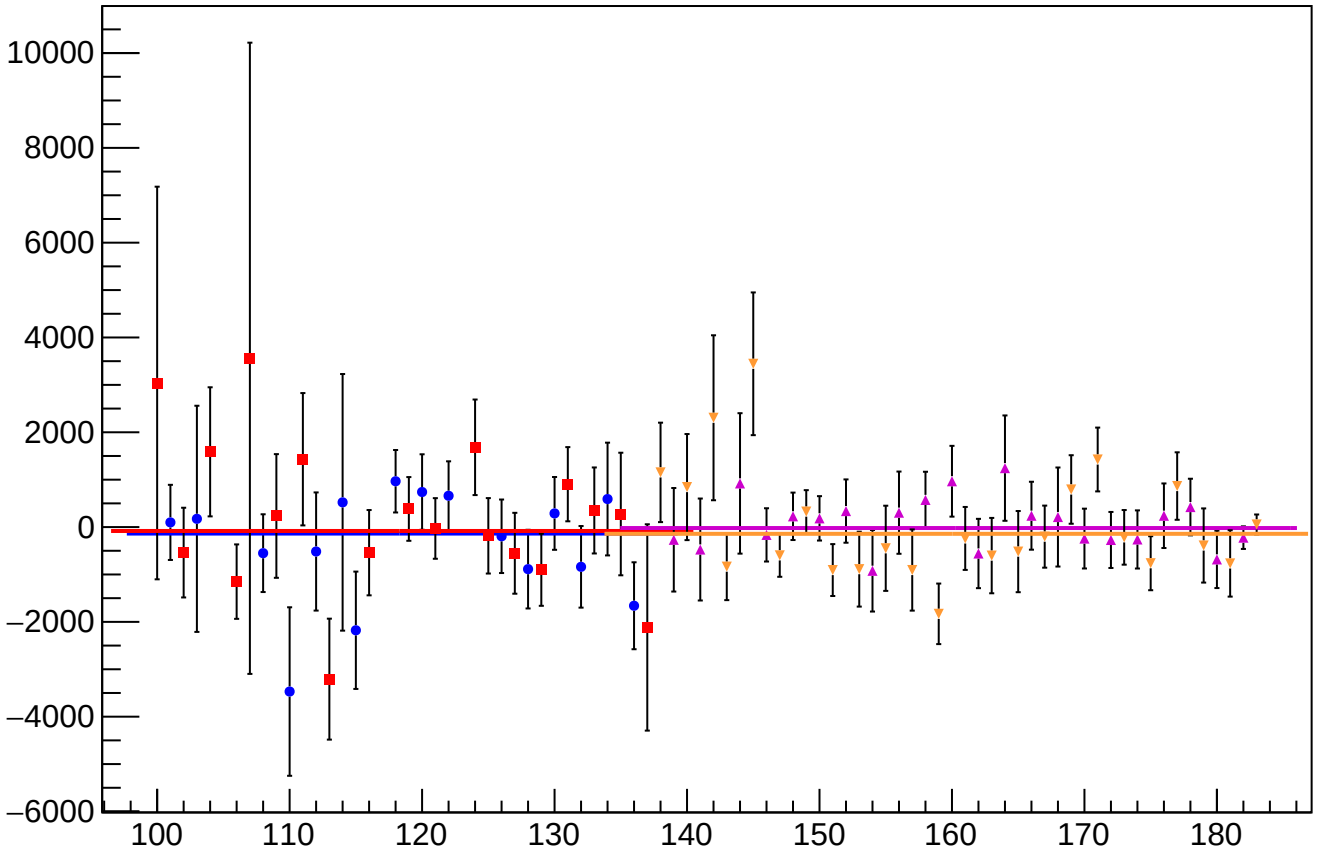
Left: 1815.330+/-0.211 χ^2/NDF: 15027.4/45

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1844.059+/-0.261 χ^2/NDF:682890.9/37

Out: 1855.213+/-0.256 χ^2/NDF:457558.7/42

All: 1849.744+/-0.183 χ^2/NDF: 1141380.0/80



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -142.129+/-119.344 χ^2/NDF:36.4/23

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: -20.287+/-126.675 χ^2/NDF:10.5/21

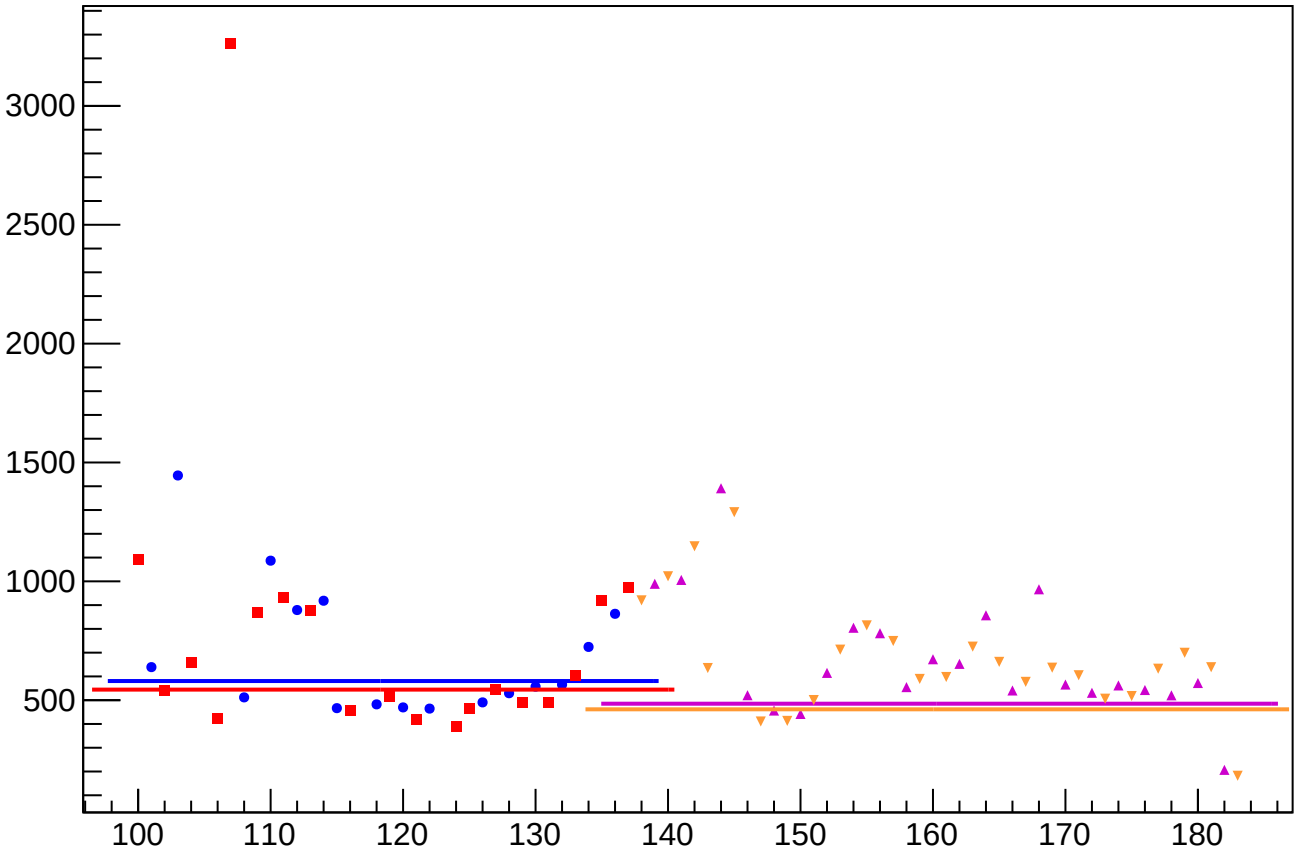
Left: -84.835+/-86.865 χ^2/NDF: 47.4/45

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -47.290+/-111.007 χ^2/NDF:27.6/37

Out: -128.716+/-105.119 χ^2/NDF:56.2/42

All: -90.219+/-76.327 χ^2/NDF: 84.1/80



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 461.614+/-0.084 χ^2/NDF:7462140.6/23

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 485.254+/-0.090 χ^2/NDF:6046534.0/21

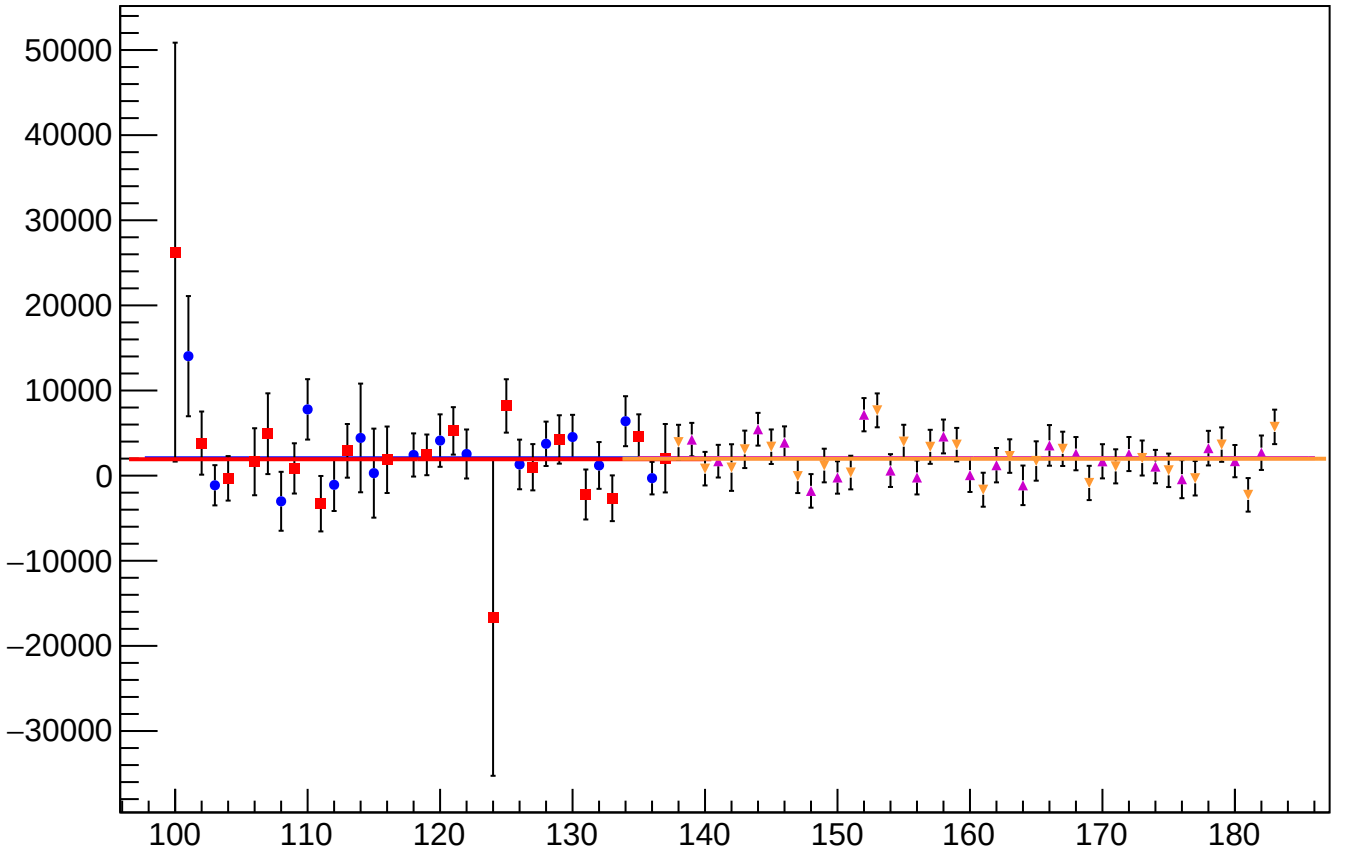
Left: 472.730+/-0.061 χ^2/NDF: 13545574.1/45

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 507.383+/-0.078 χ^2/NDF:7312957.7/37

Out: 480.202+/-0.074 χ^2/NDF:8966202.8/42

All: 493.053+/-0.054 χ^2/NDF: 16342382.4/80



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1984.680+/-415.765 χ^2/NDF:30.8/23

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: 2019.939+/-297.791 χ^2/NDF: 57.2/45

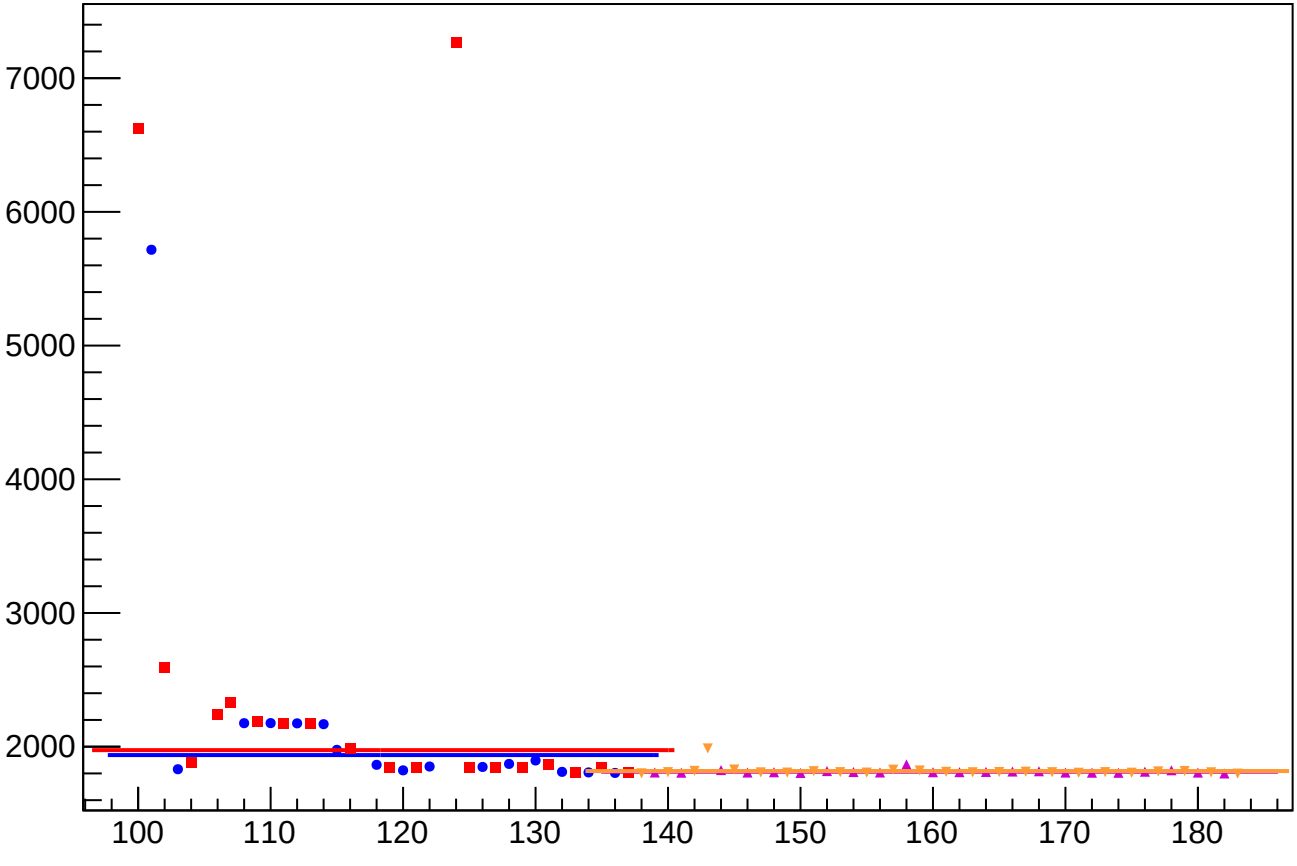
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2052.495+/-369.192 χ^2/NDF:42.9/37

Out: 1970.590+/-362.167 χ^2/NDF:49.2/42

All: 2010.755+/-258.539 χ^2/NDF: 92.1/80

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1817.780+/-0.294 χ^2/NDF:12899.7/23

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1812.750+/-0.302 χ^2/NDF:1985.0/21

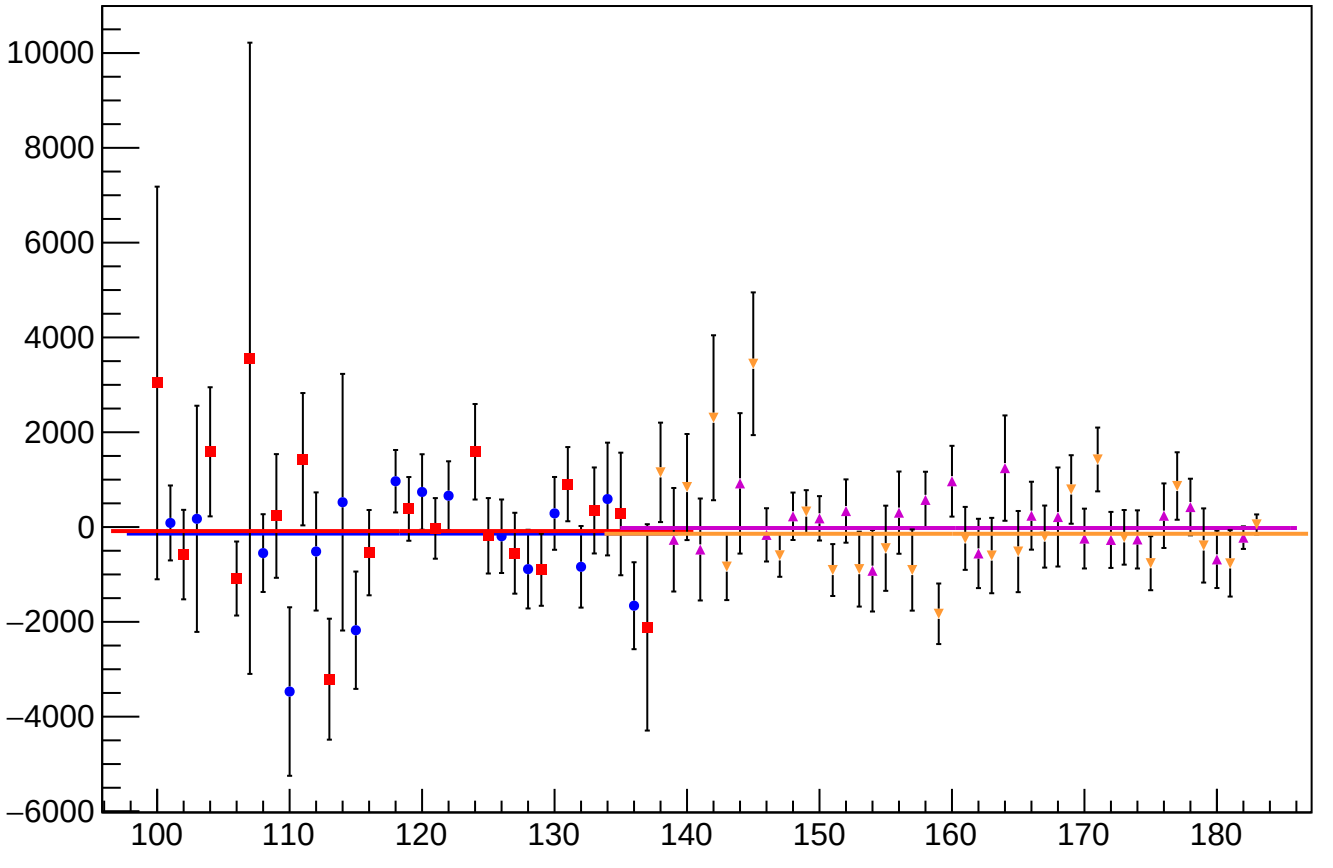
Left: 1815.330+/-0.211 χ^2/NDF: 15027.4/45

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1844.059+/-0.261 χ^2/NDF:682890.8/37

Out: 1855.500+/-0.256 χ^2/NDF:461574.5/42

All: 1849.889+/-0.183 χ^2/NDF: 1145444.0/80



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -141.859+/-119.339 χ^2/NDF:36.4/23

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -20.359+/-126.676 χ^2/NDF:10.5/21

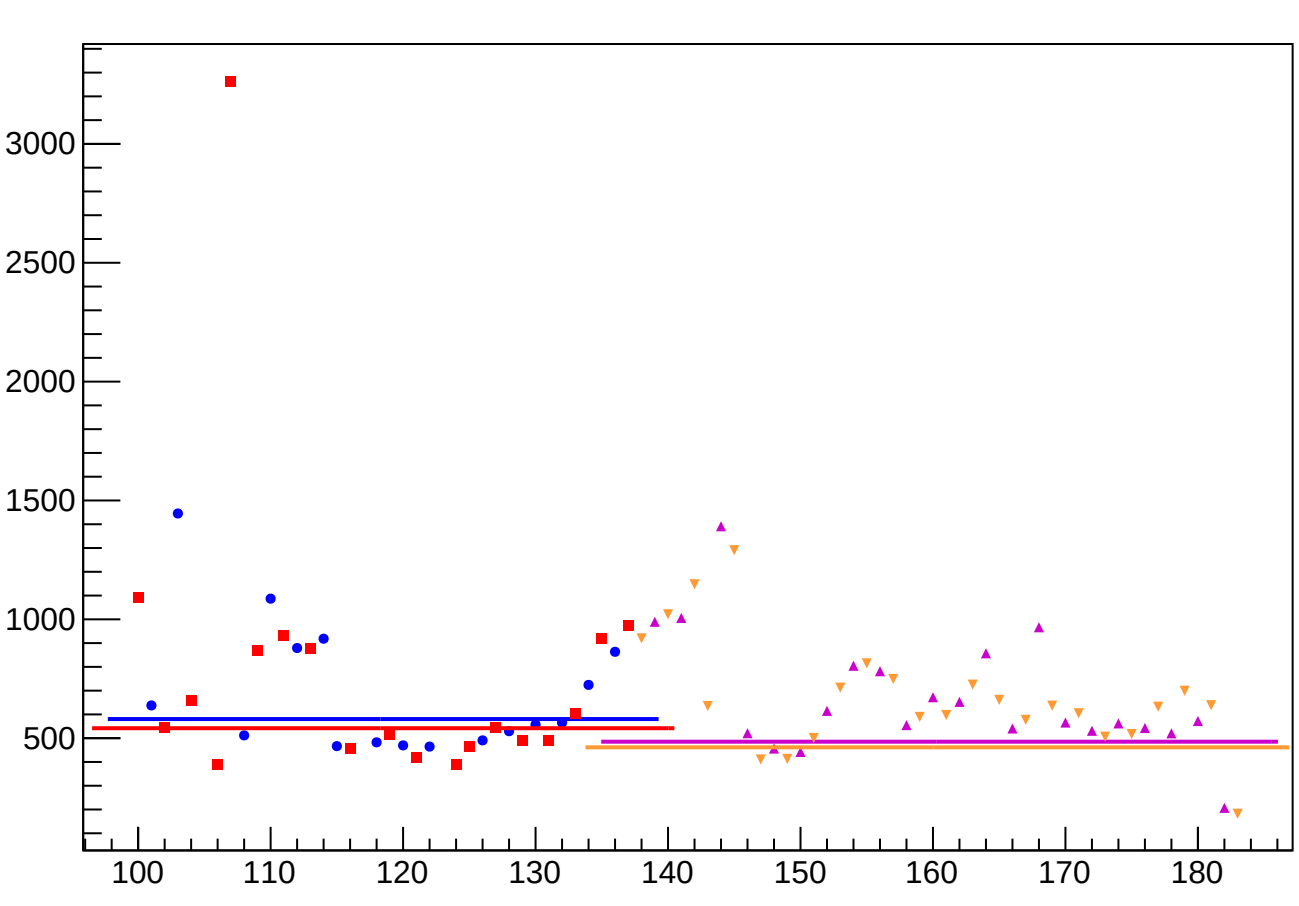
Left: -84.729+/-86.864 χ^2/NDF: 47.4/45

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -47.551+/-111.002 χ^2/NDF:27.6/37

Out: -129.089+/-105.102 χ^2/NDF:55.7/42

All: -90.545+/-76.319 χ^2/NDF: 83.6/80



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 461.582+/-0.084 χ^2/NDF:7463786.0/23

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 485.258+/-0.090 χ^2/NDF:6046564.0/21

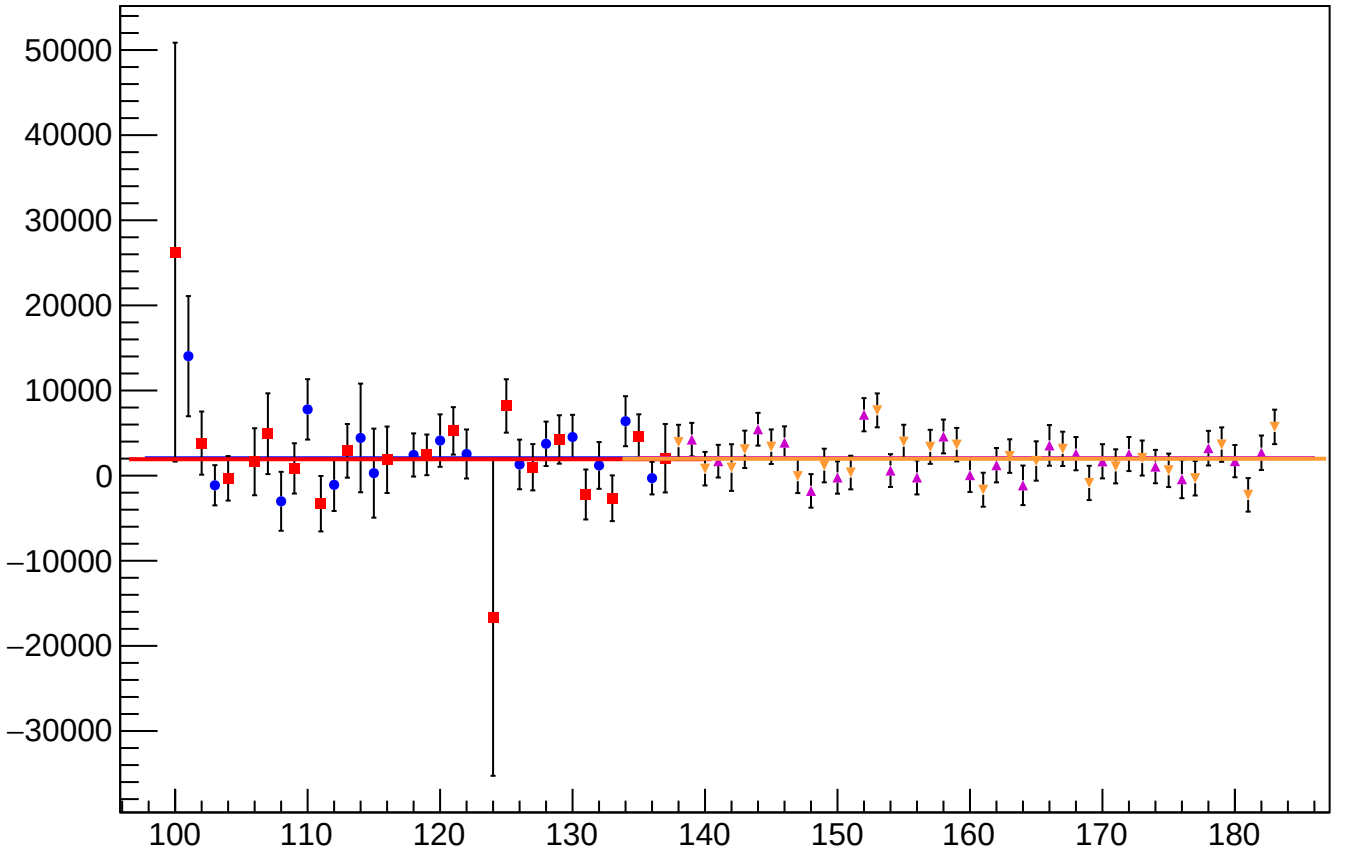
Left: 472.715+/-0.061 χ^2/NDF: 13547363.9/45

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 507.373+/-0.078 χ^2/NDF:7312027.6/37

Out: 479.613+/-0.074 χ^2/NDF:8986097.1/42

All: 492.735+/-0.054 χ^2/NDF: 16364082.2/80



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1984.680+/-415.765 χ^2/NDF:30.8/23

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2057.082+/-426.727 χ^2/NDF:26.4/21

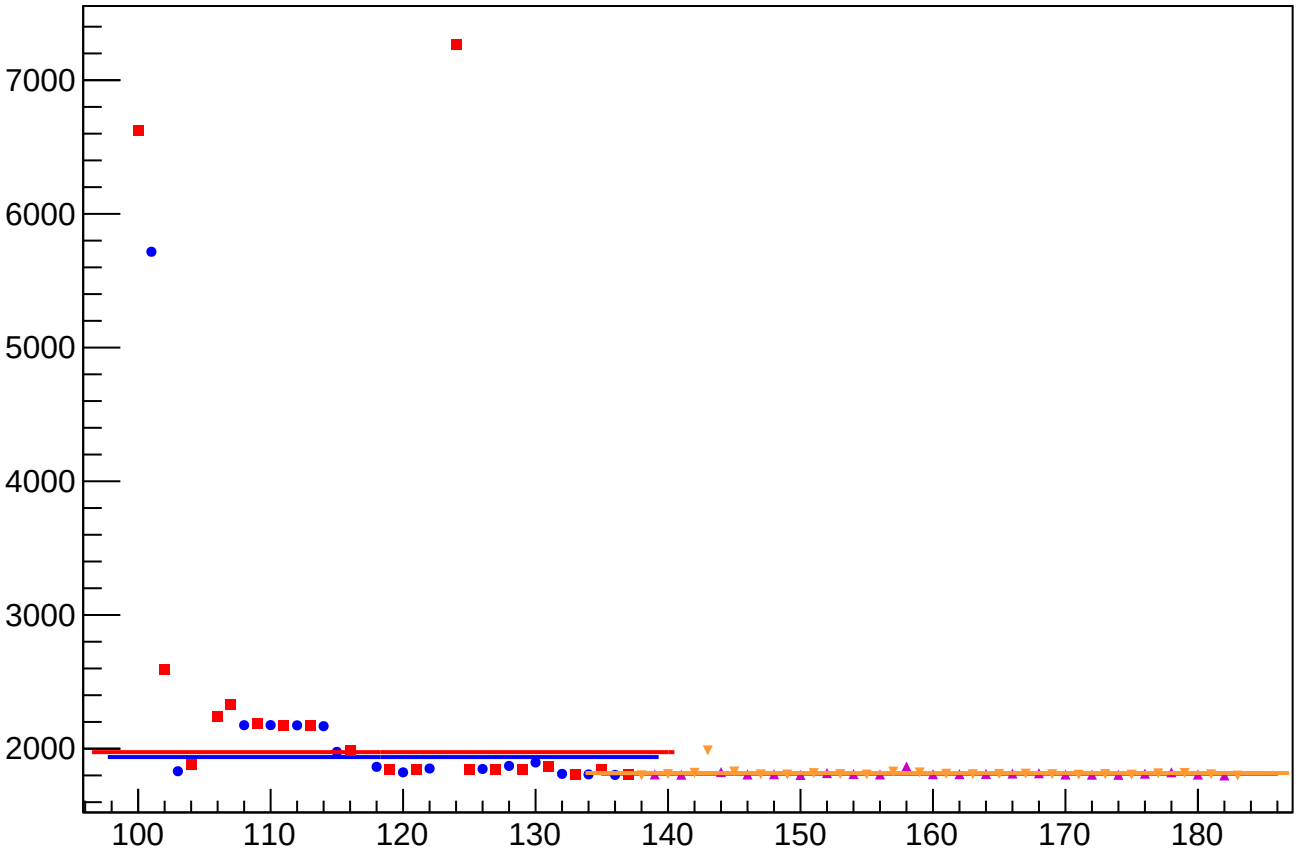
Left: 2019.939+/-297.791 χ^2/NDF: 57.2/45

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2052.495+/-369.192 χ^2/NDF:42.9/37

Out: 1970.590+/-362.167 χ^2/NDF:49.2/42

All: 2010.755+/-258.539 χ^2/NDF: 92.1/80



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1817.780+/-0.294 χ^2/NDF:12899.7/23

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1812.750+/-0.302 χ^2/NDF:1985.0/21

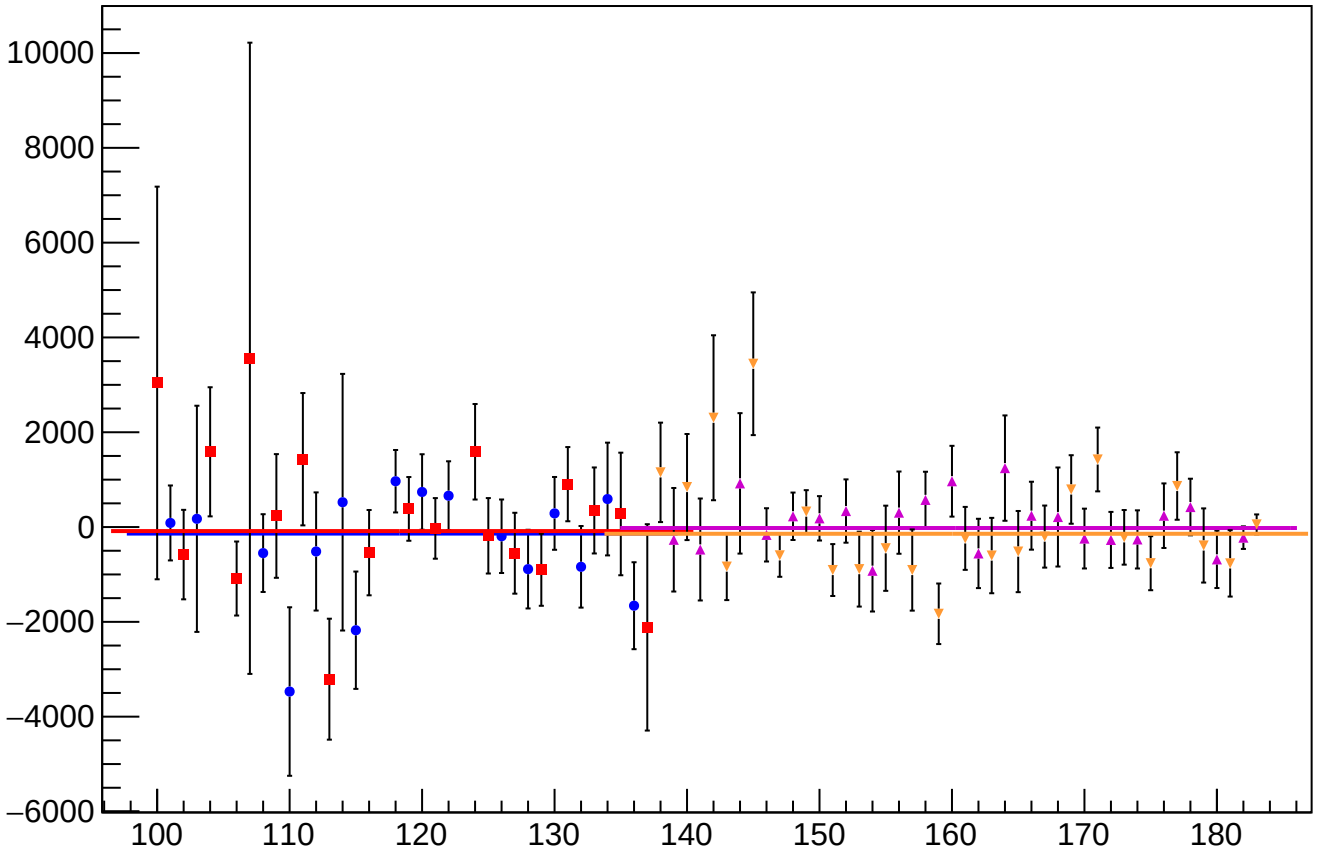
Left: 1815.330+/-0.211 χ^2/NDF: 15027.4/45

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1844.059+/-0.261 χ^2/NDF:682890.8/37

Out: 1855.500+/-0.256 χ^2/NDF:461574.5/42

All: 1849.889+/-0.183 χ^2/NDF: 1145444.0/80



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -141.859+/-119.339 χ^2/NDF:36.4/23

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -20.359+/-126.676 χ^2/NDF:10.5/21

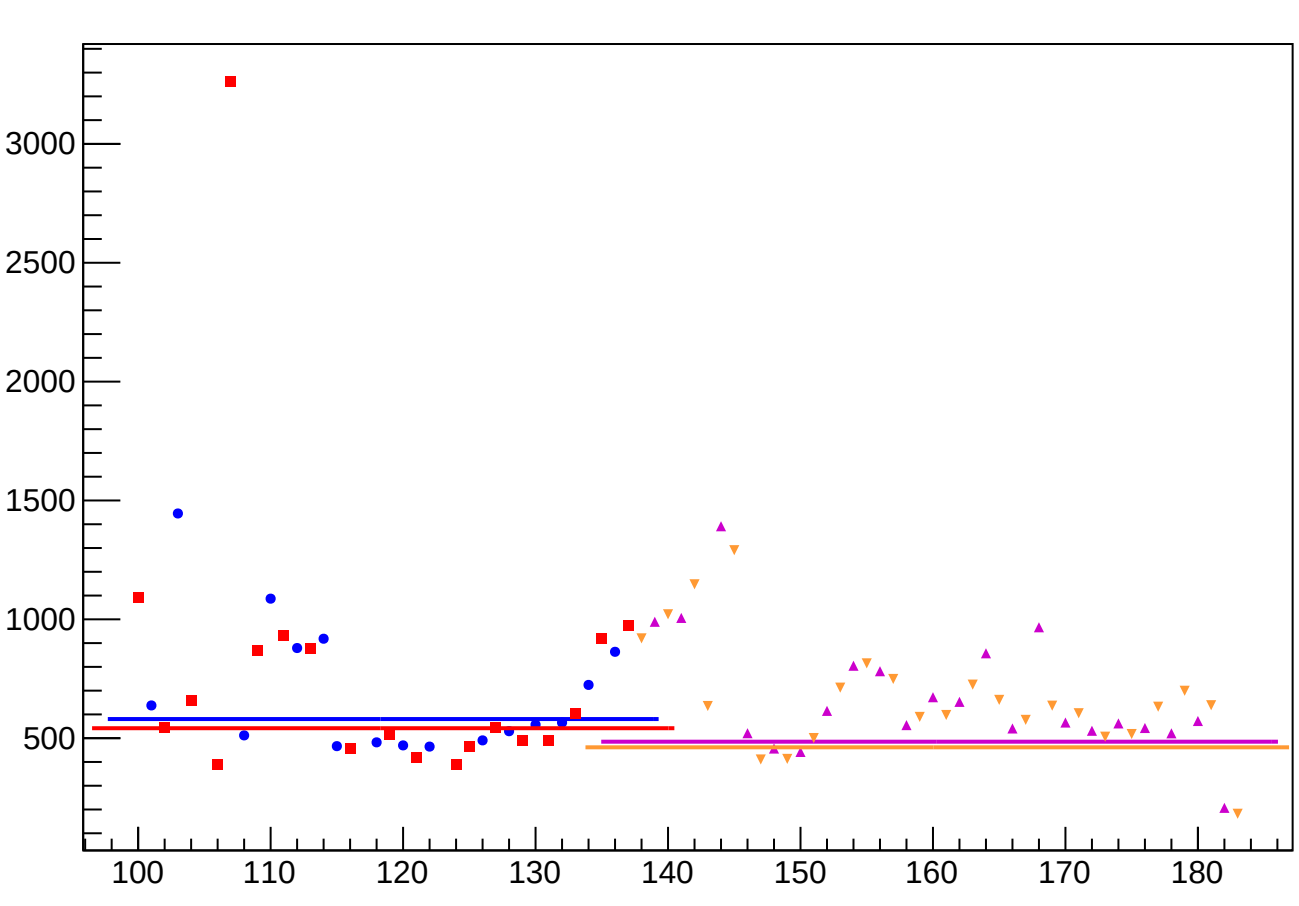
Left: -84.729+/-86.864 χ^2/NDF: 47.4/45

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -47.551+/-111.002 χ^2/NDF:27.6/37

Out: -129.089+/-105.102 χ^2/NDF:55.7/42

All: -90.545+/-76.319 χ^2/NDF: 83.6/80



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 461.582+/-0.084 χ^2/NDF:7463786.0/23

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: 472.715+/-0.061 χ^2/NDF: 13547363.9/45

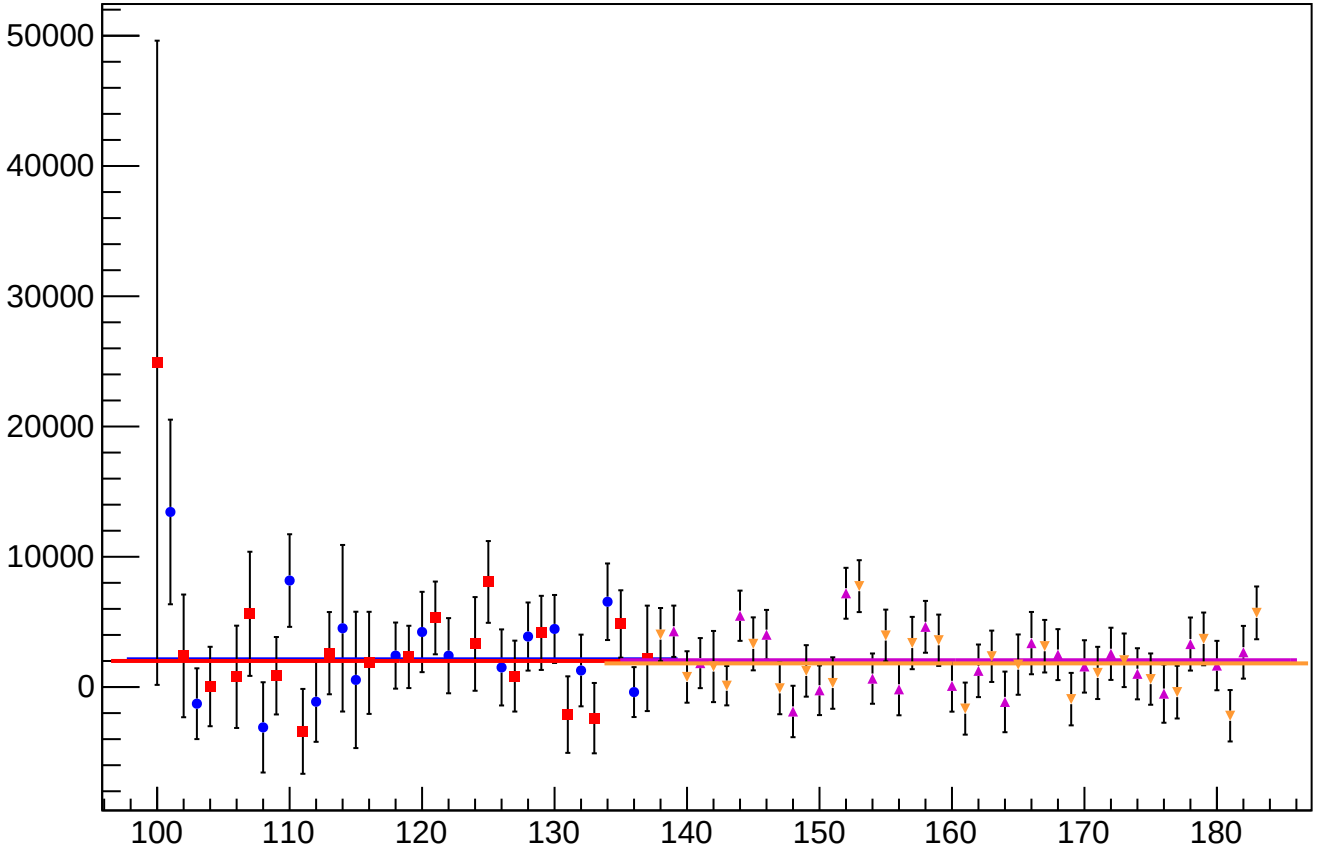
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 507.373+/-0.078 χ^2/NDF:7312027.6/37

Out: 479.613+/-0.074 χ^2/NDF:8986097.1/42

All: 492.735+/-0.054 χ^2/NDF: 16364082.2/80

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1816.634+/-408.092 χ^2/NDF:32.1/23

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: 1931.150+/-295.082 χ^2/NDF: 59.2/45

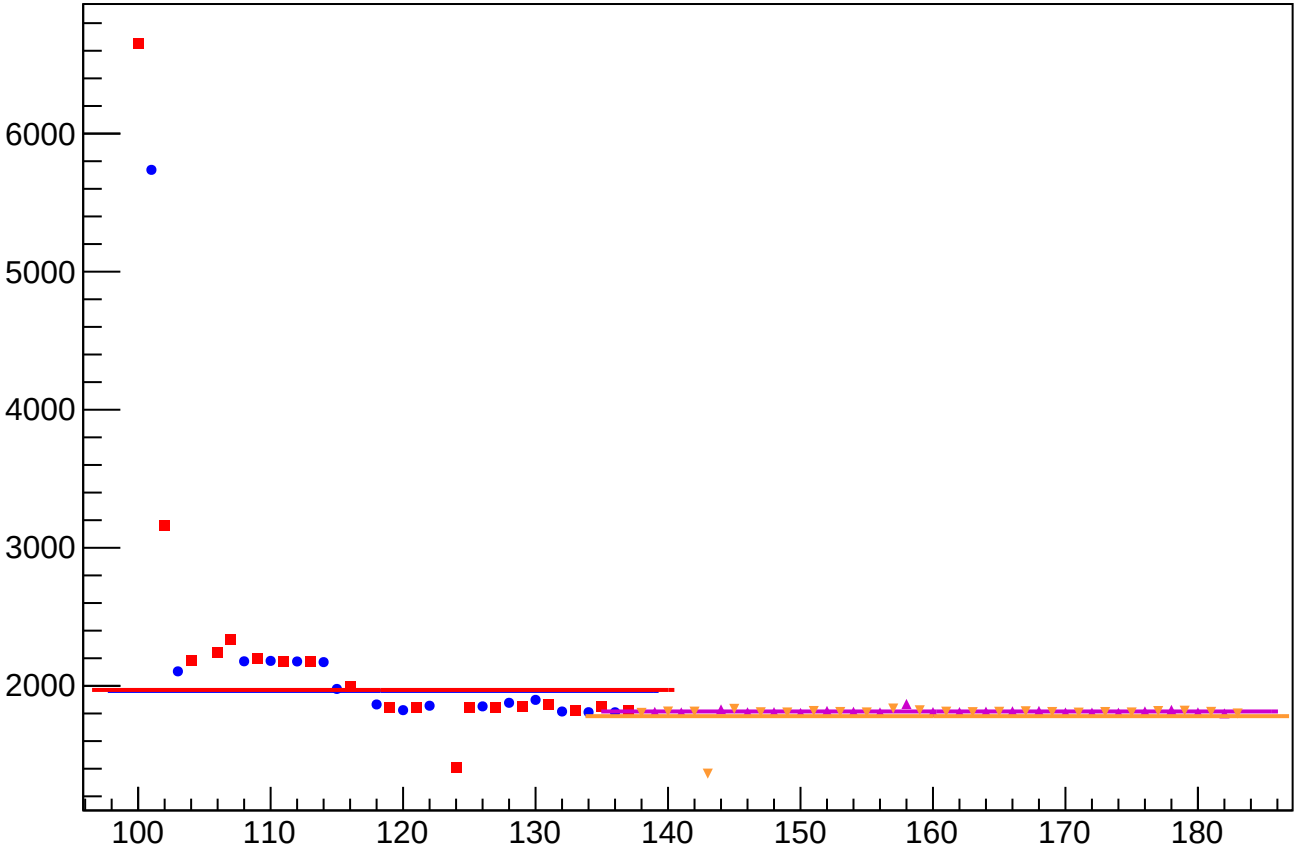
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2074.428+/-370.733 χ^2/NDF:43.4/37

Out: 1860.166+/-357.037 χ^2/NDF:48.9/42

All: 1963.266+/-257.169 χ^2/NDF: 92.5/80

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1780.645+/-0.289 χ^2/NDF:164871.0/23

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1814.647+/-0.302 χ^2/NDF:2064.5/21

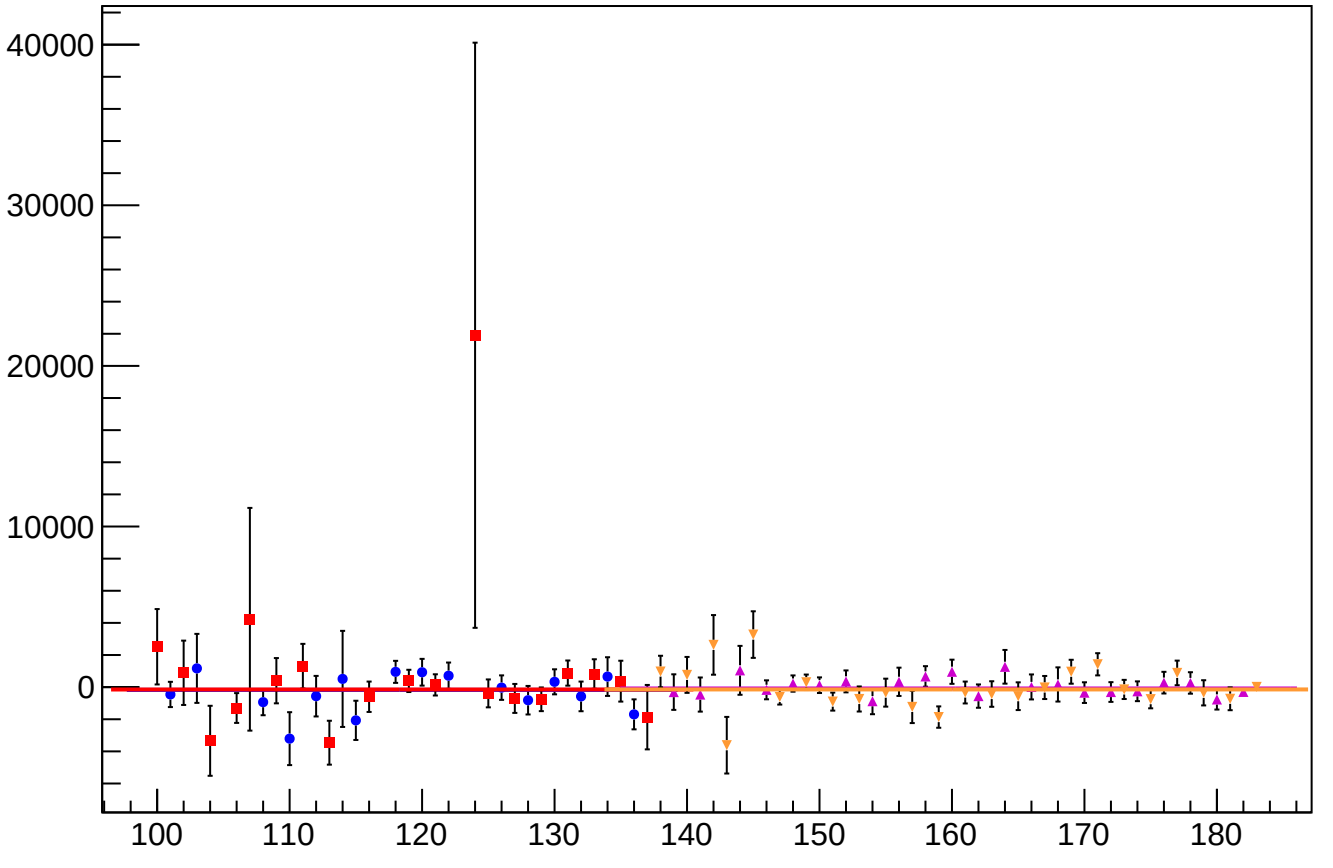
Left: 1796.869+/-0.209 χ^2/NDF: 173560.7/45

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1851.364+/-0.262 χ^2/NDF:702186.4/37

Out: 1825.168+/-0.252 χ^2/NDF:611496.8/42

All: 1837.774+/-0.182 χ^2/NDF: 1318863.9/80



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -143.542+/-125.654 χ^2/NDF:37.7/23

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: -83.443+/-124.981 χ^2/NDF:11.4/21

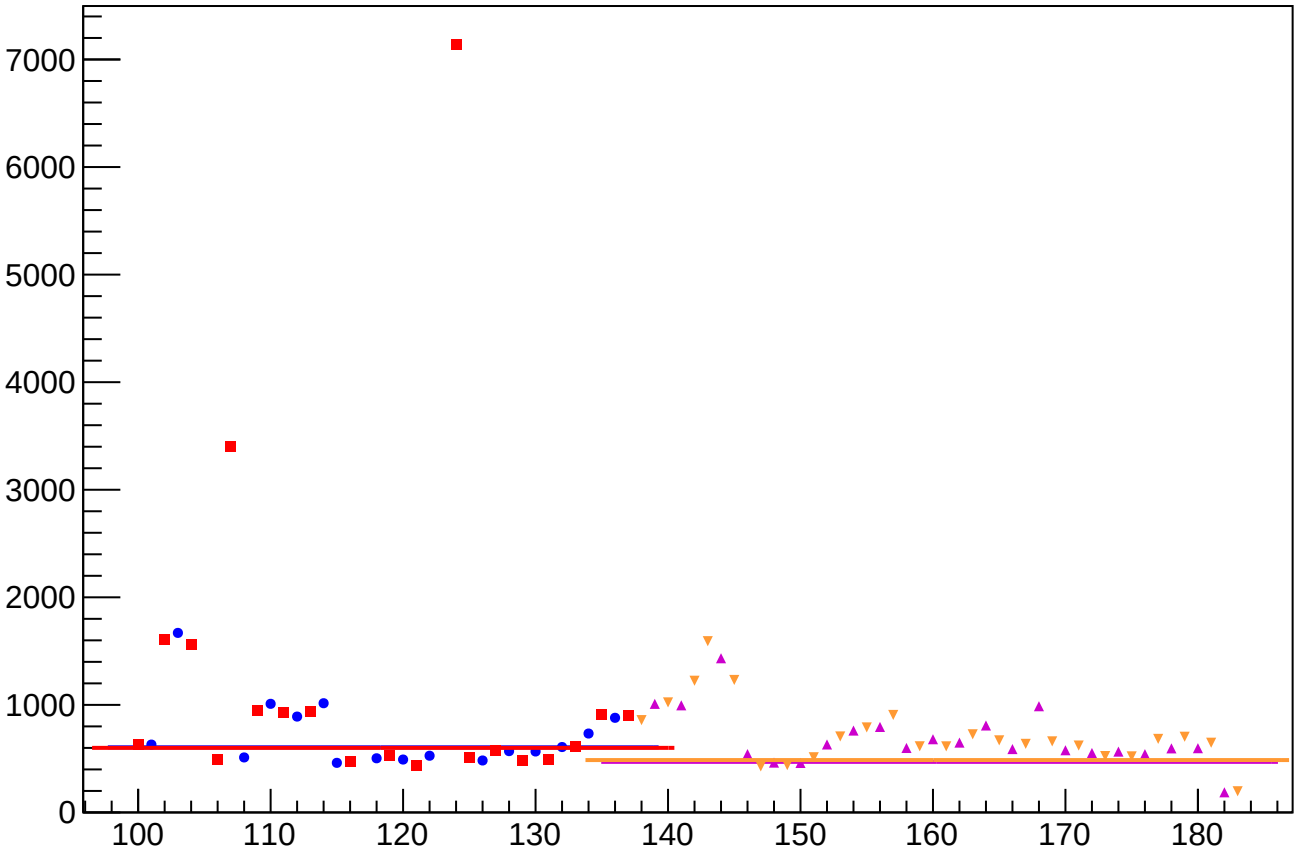
Left: -113.331+/-88.612 χ^2/NDF: 49.3/45

Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -102.456+/-110.542 χ^2/NDF:28.7/37

Out: -144.376+/-111.600 χ^2/NDF:57.8/42

All: -123.216+/-78.537 χ^2/NDF: 86.7/80



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 486.959+/-0.089 χ^2/NDF:7649631.9/23

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 470.397+/-0.088 χ^2/NDF:7316801.0/21

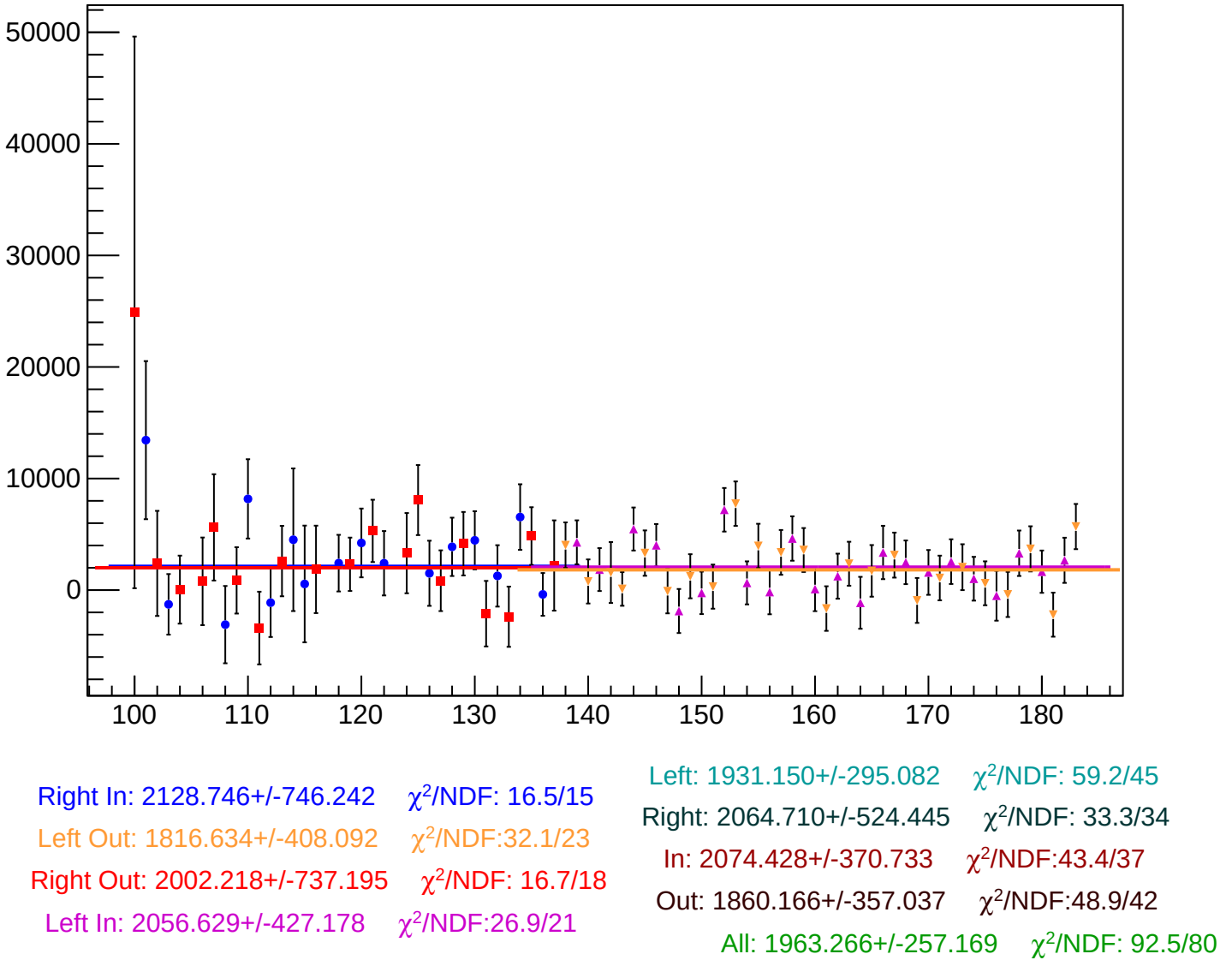
Left: 478.633+/-0.063 χ^2/NDF: 14983898.9/45

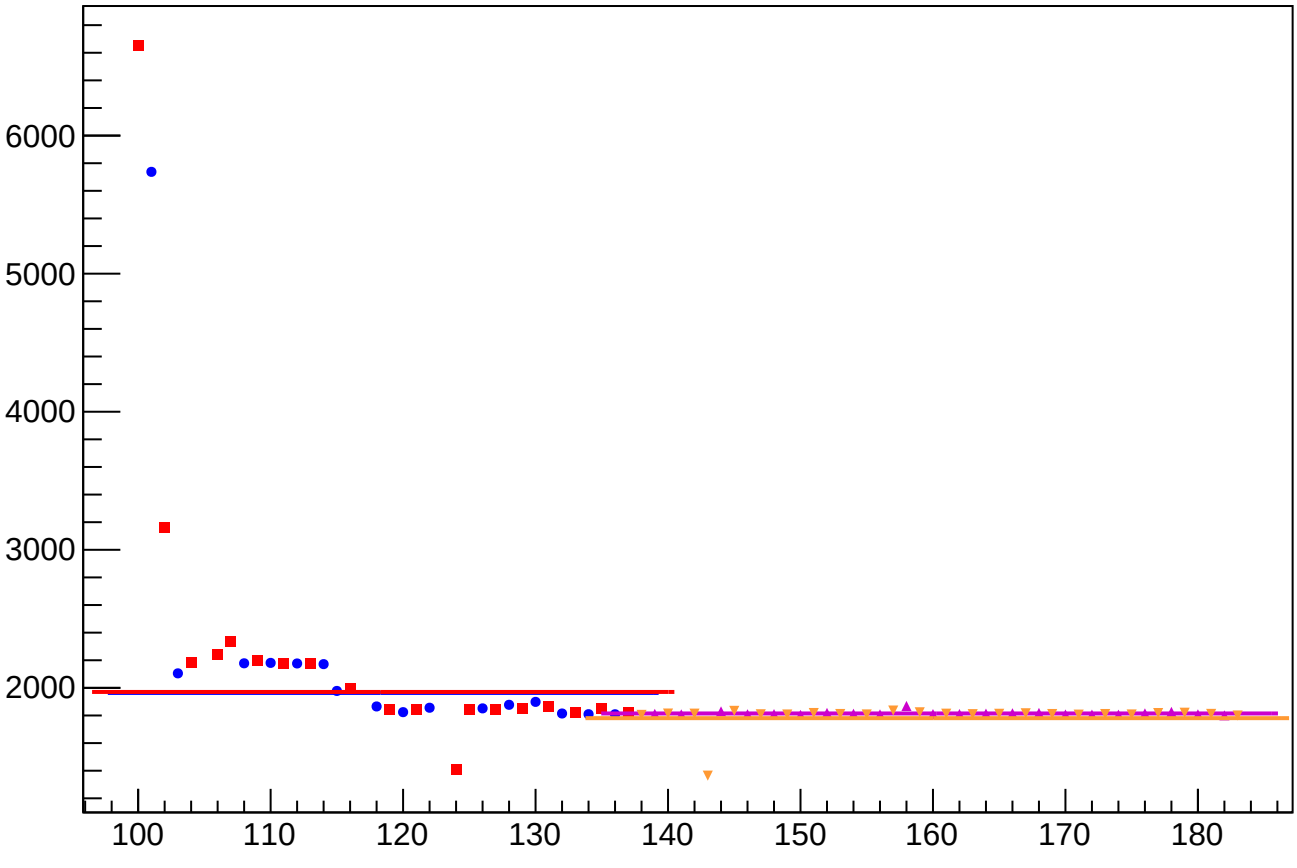
Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 499.795+/-0.078 χ^2/NDF:8987531.5/37

Out: 510.926+/-0.079 χ^2/NDF:10322692.6/42

All: 505.307+/-0.056 χ^2/NDF: 19320266.3/80


eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
100
110
120
130
140
150
160
170
180
Right In: 2128.746+/-746.242 χ²/NDF: 16.5/15
Left Out: 1816.634+/-408.092 χ²/NDF:32.1/23
Right Out: 2002.218+/-737.195 χ²/NDF: 16.7/18
Left In: 2056.629+/-427.178 χ²/NDF:26.9/21
Left: 1931.150+/-295.082 χ²/NDF: 59.2/45
Right: 2064.710+/-524.445 χ²/NDF: 33.3/34
In: 2074.428+/-370.733 χ²/NDF:43.4/37
Out: 1860.166+/-357.037 χ²/NDF:48.9/42
All: 1963.266+/-257.169 χ²/NDF: 92.5/80



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1780.645+/-0.289 χ^2/NDF:164871.0/23

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: 1796.869+/-0.209 χ^2/NDF: 173560.7/45

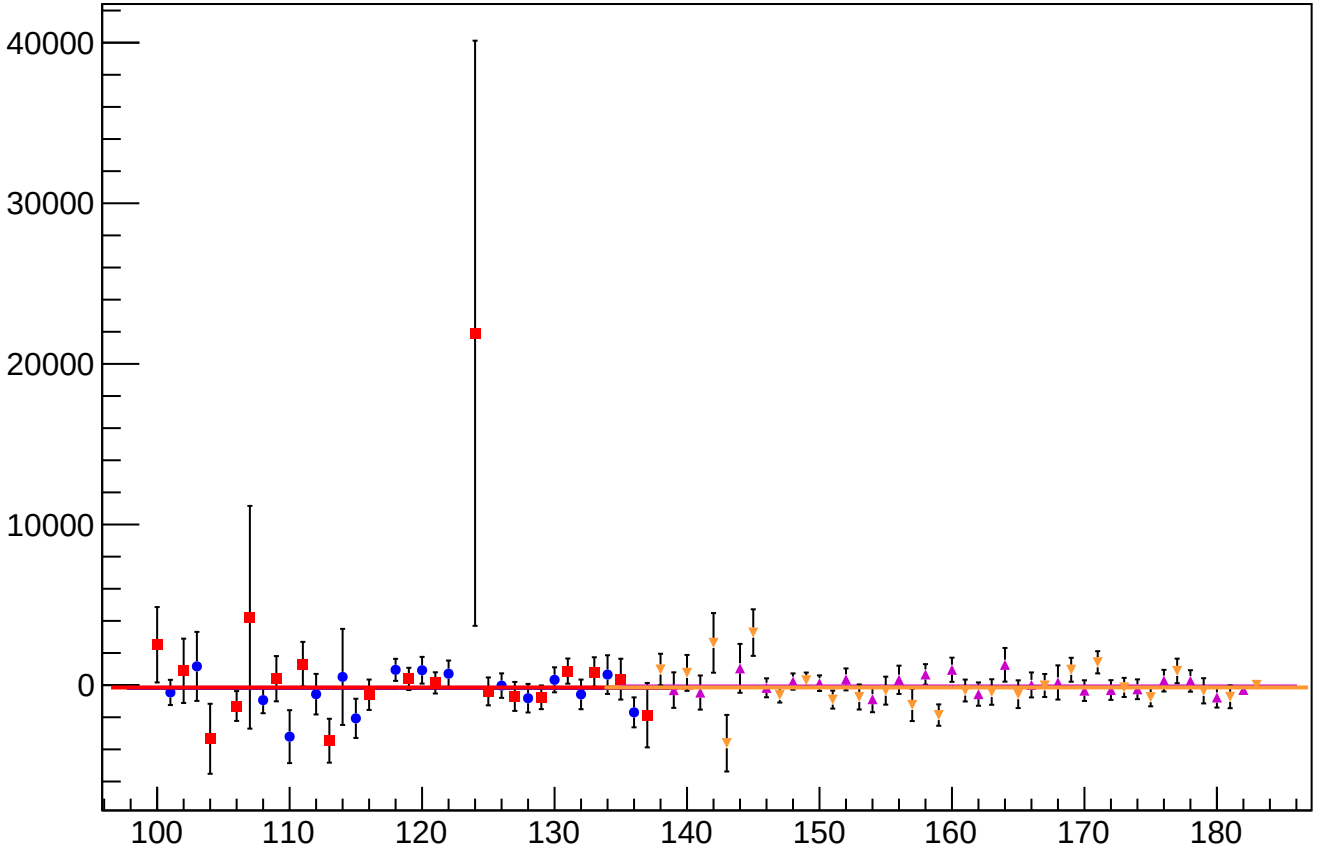
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1851.364+/-0.262 χ^2/NDF:702185.9/37

Out: 1825.168+/-0.252 χ^2/NDF:611495.2/42

All: 1837.774+/-0.182 χ^2/NDF: 1318861.8/80

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: -143.543+/-125.655 χ^2/NDF:37.7/23

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: -113.332+/-88.612 χ^2/NDF: 49.3/45

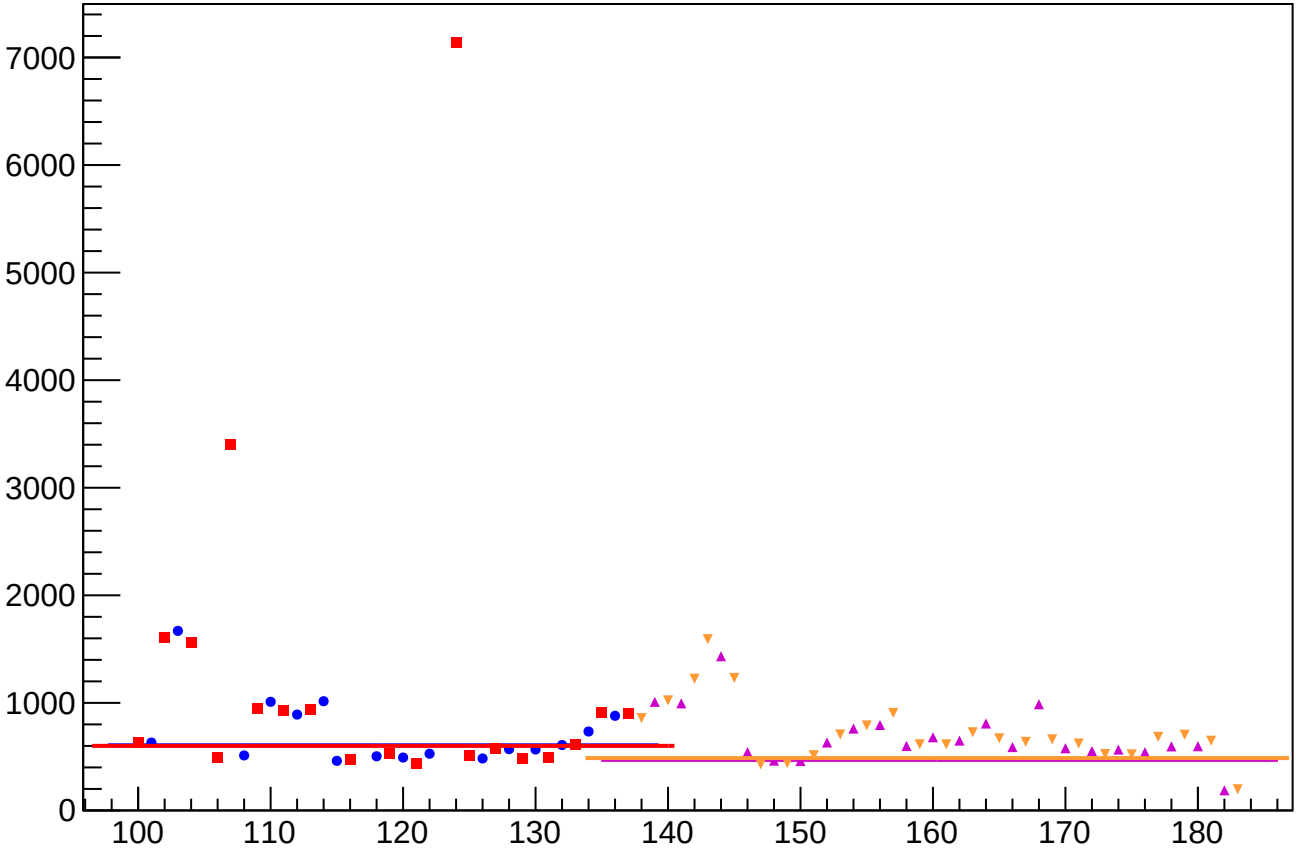
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -102.456+/-110.542 χ^2/NDF:28.7/37

Out: -144.376+/-111.600 χ^2/NDF:57.8/42

All: -123.216+/-78.537 χ^2/NDF: 86.7/80

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: 486.960+/-0.089 χ^2/NDF:7649627.0/23

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: 478.634+/-0.063 χ^2/NDF: 14983872.0/45

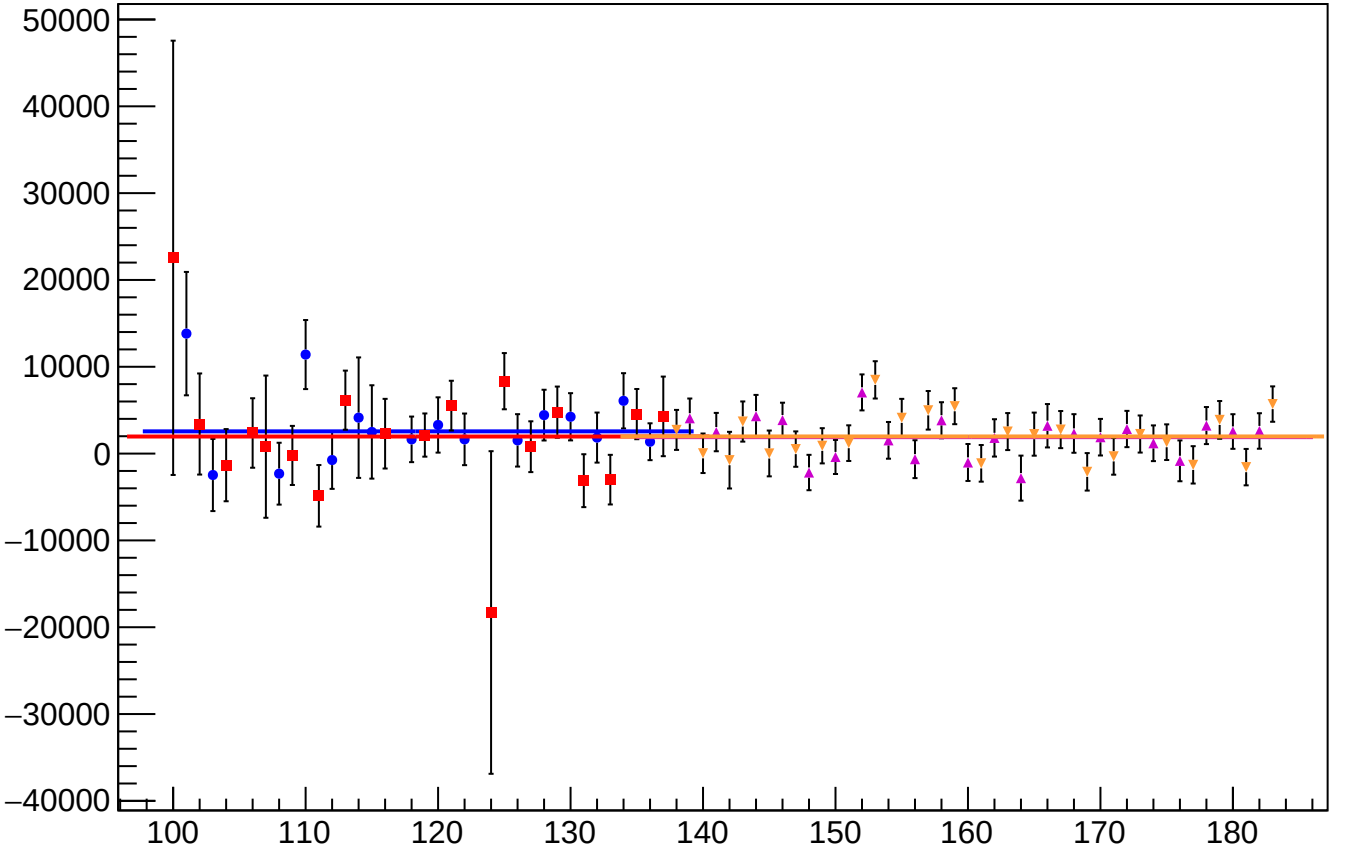
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 499.796+/-0.078 χ^2/NDF:8987503.2/37

Out: 510.926+/-0.079 χ^2/NDF:10322686.9/42

All: 505.308+/-0.056 χ^2/NDF: 19320231.8/80

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1972.741+/-447.002 χ^2/NDF:34.9/23

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: 1935.179+/-320.291 χ^2/NDF: 59.4/45

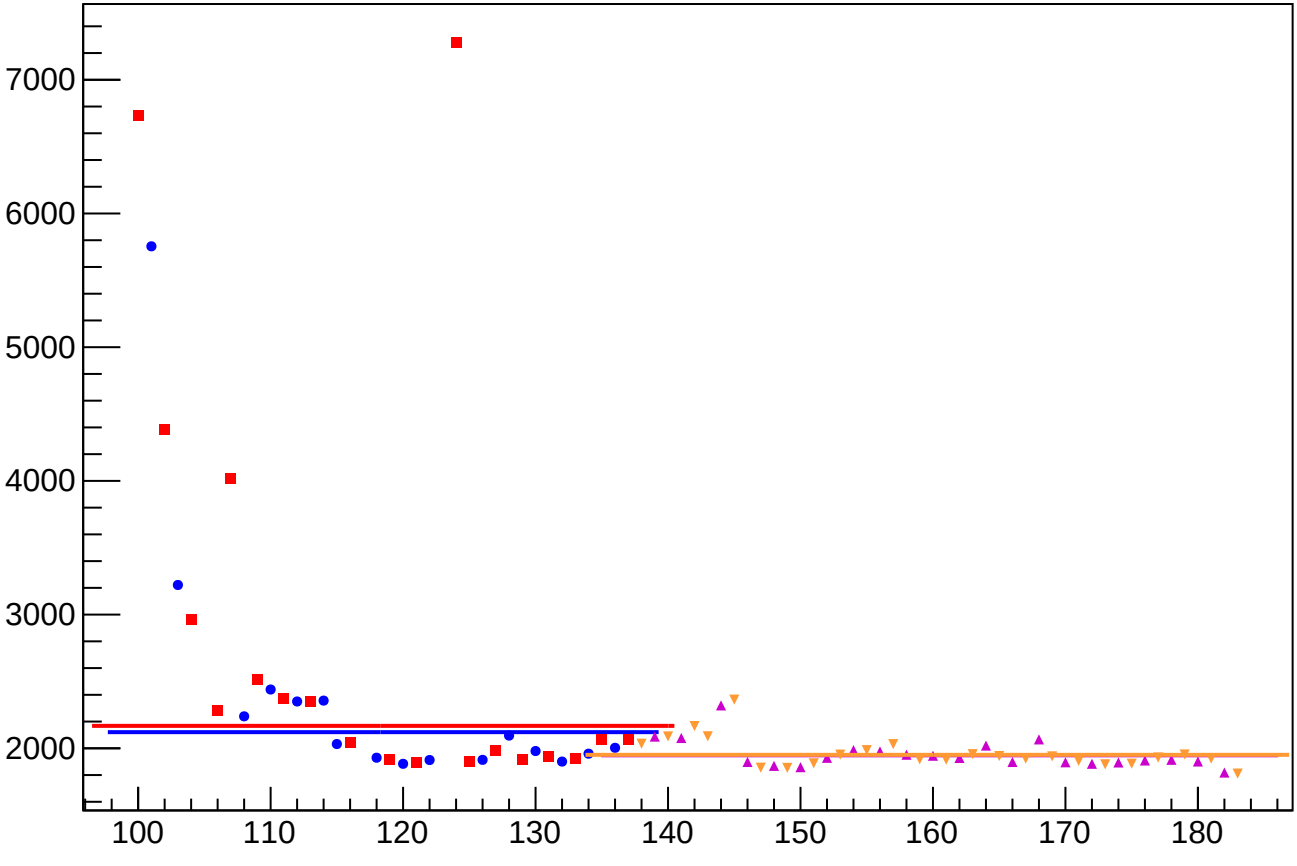
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2057.476+/-399.406 χ^2/NDF:39.6/37

Out: 1971.361+/-392.348 χ^2/NDF:56.5/42

All: 2013.651+/-279.894 χ^2/NDF: 96.1/80

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1951.126+/-0.316 χ^2/NDF:105610.6/23

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1947.471+/-0.325 χ^2/NDF:93159.3/21

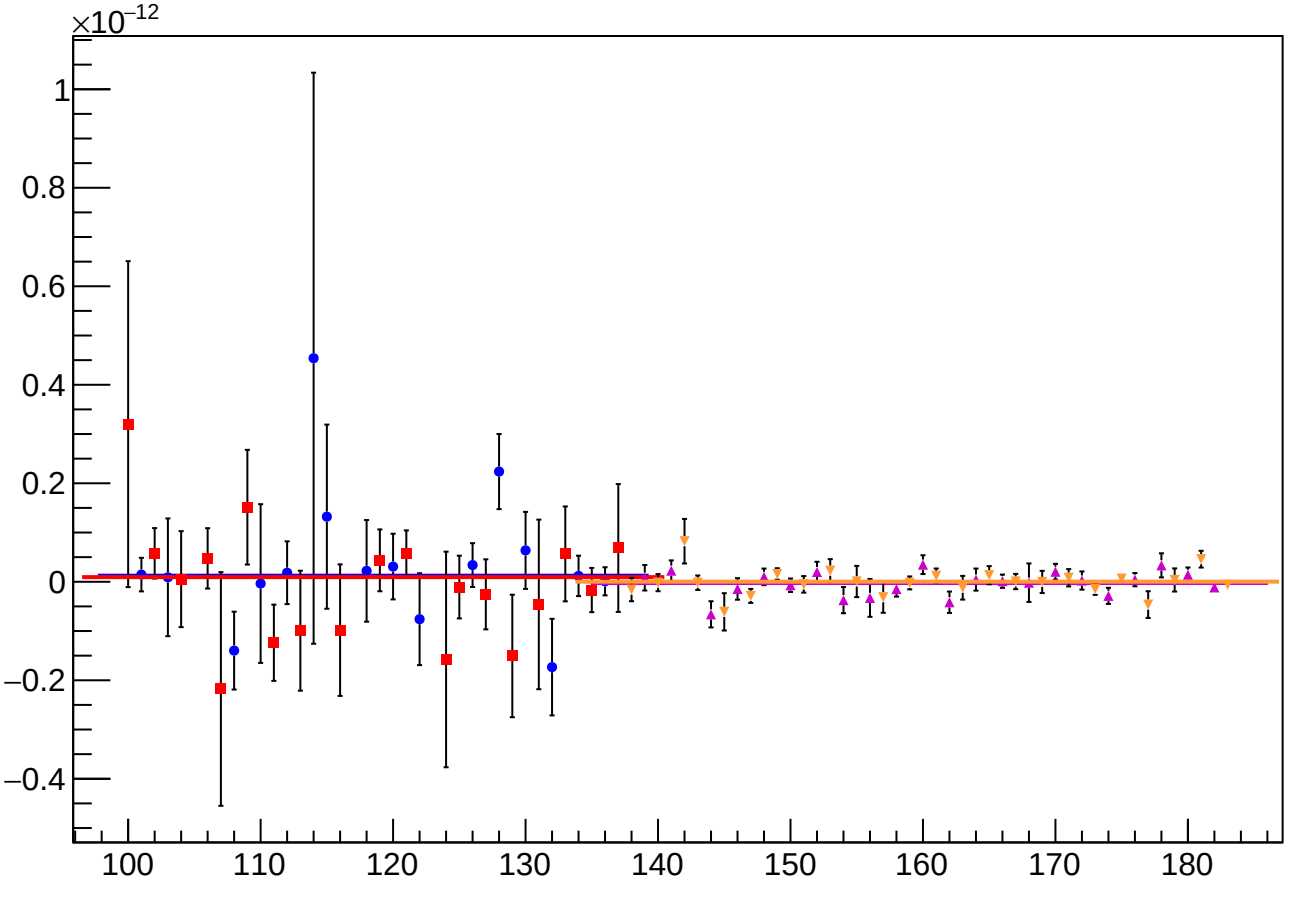
Left: 1949.348+/-0.226 χ^2/NDF: 198835.0/45

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 1989.645+/-0.282 χ^2/NDF:922463.5/37

Out: 2000.881+/-0.277 χ^2/NDF:1037463.8/42

All: 1995.363+/-0.198 χ^2/NDF: 1960732.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:29.2/21

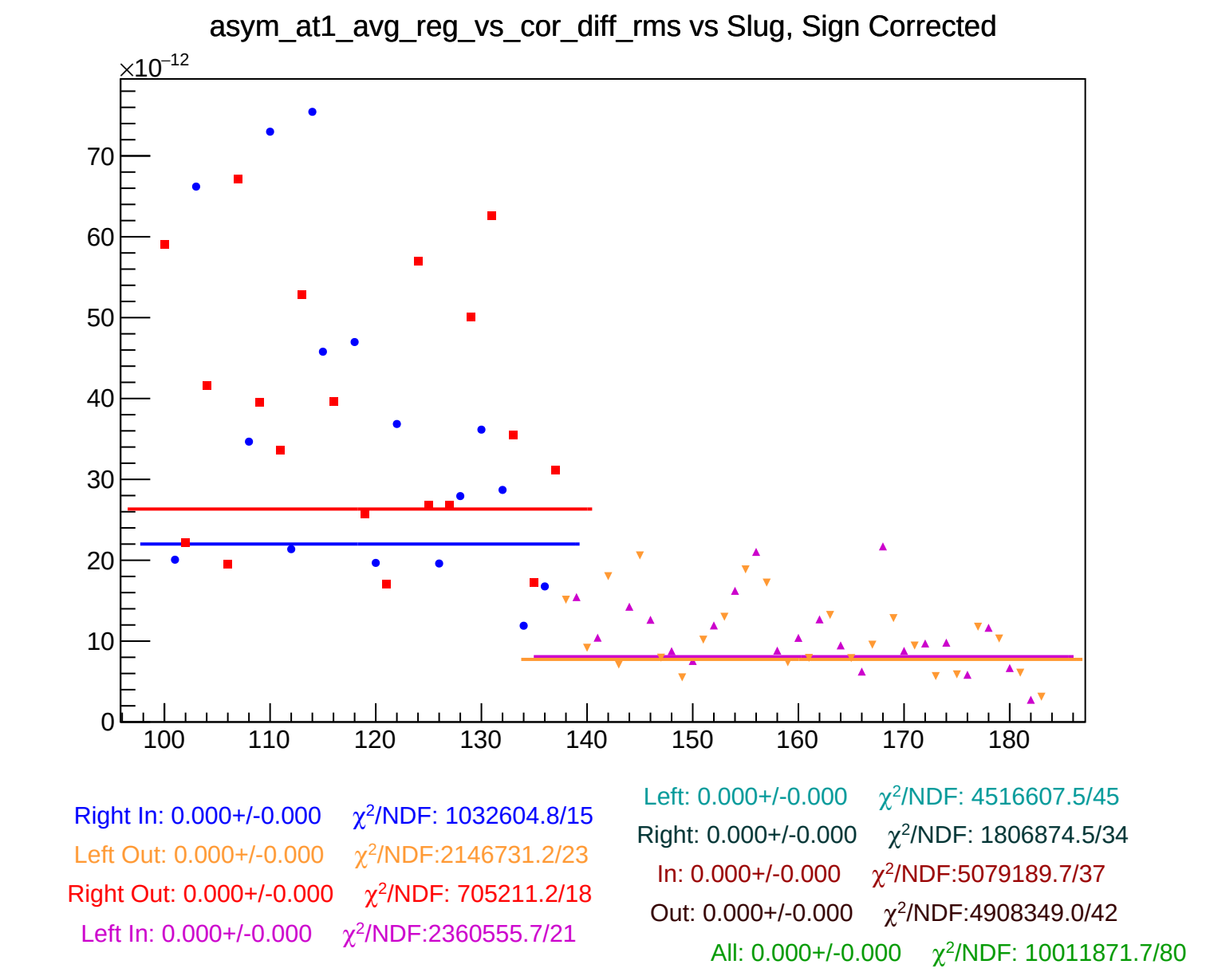
Left: -0.000+/-0.000 χ^2/NDF: 58.2/45

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

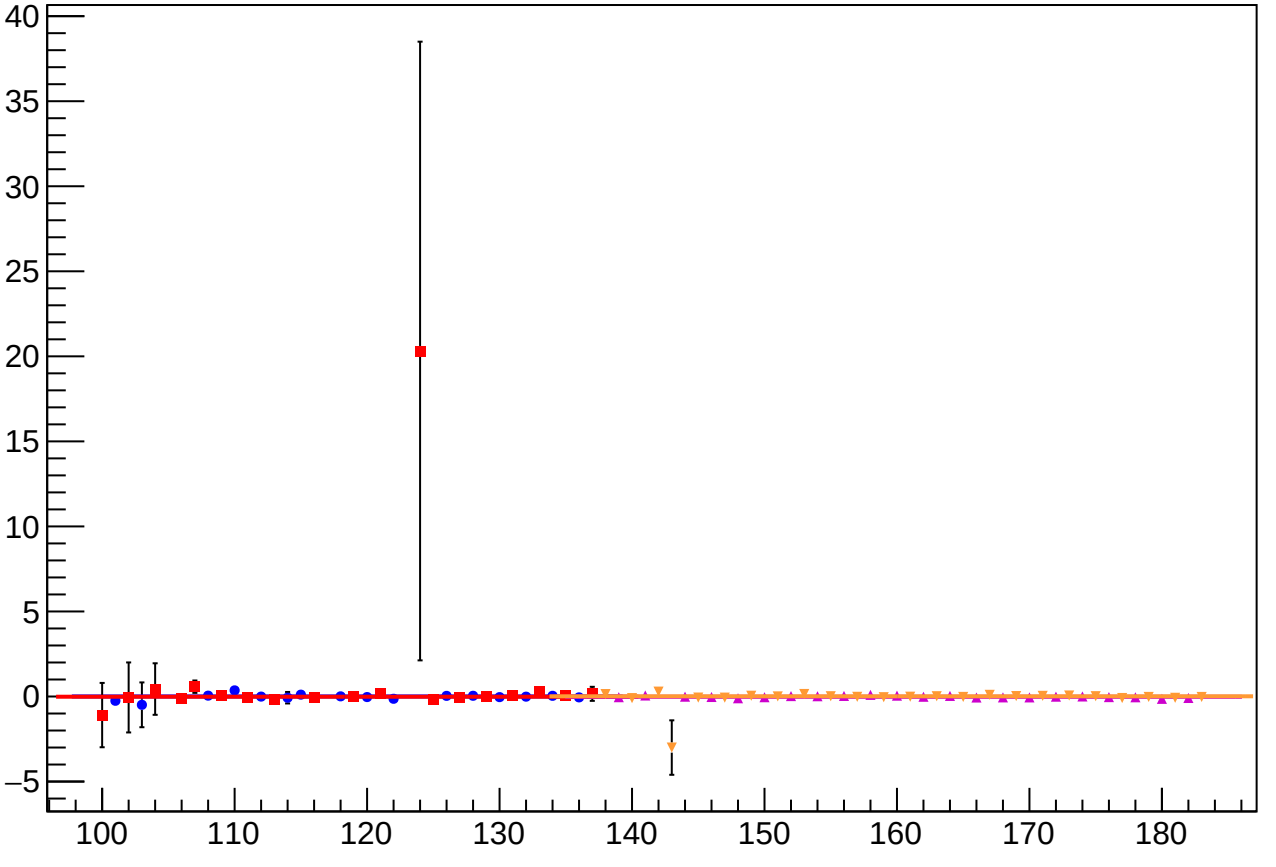
In: -0.000+/-0.000 χ^2/NDF:48.0/37

Out: 0.000+/-0.000 χ^2/NDF:42.7/42

All: -0.000+/-0.000 χ^2/NDF: 90.9/80


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2146731.2/23
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: 4516607.5/45
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:4908349.0/42
All: 0.000+/-0.000 χ²/NDF: 10011871.7/80

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: 0.012+/-0.012 χ^2/NDF:28.8/23

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: 50.8/45

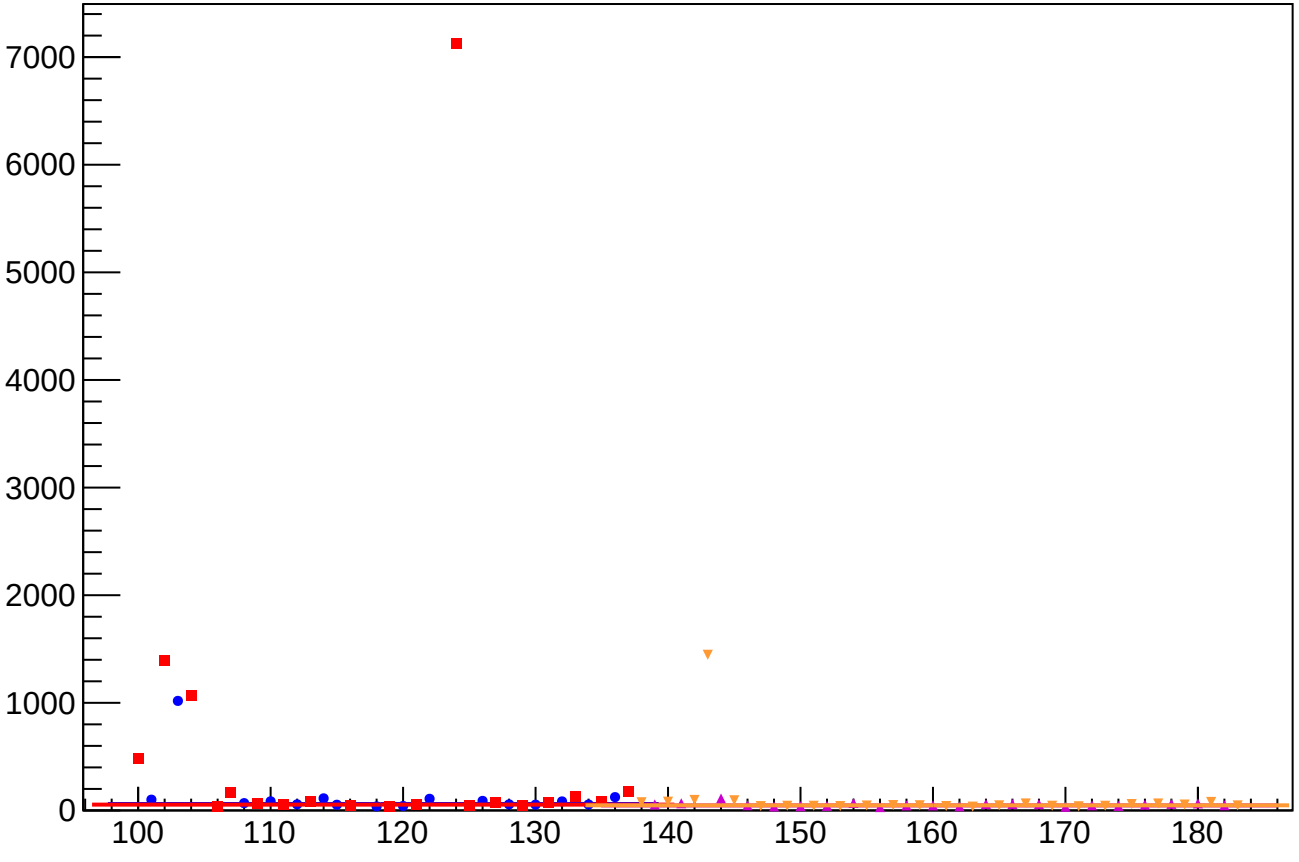
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.013+/-0.011 χ^2/NDF:31.1/37

Out: 0.007+/-0.011 χ^2/NDF:47.2/42

All: -0.003+/-0.008 χ^2/NDF: 80.0/80

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: 47.716+/-0.009 χ^2/NDF:3430623.9/23

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: 47.224+/-0.006 χ^2/NDF: 5384612.5/45

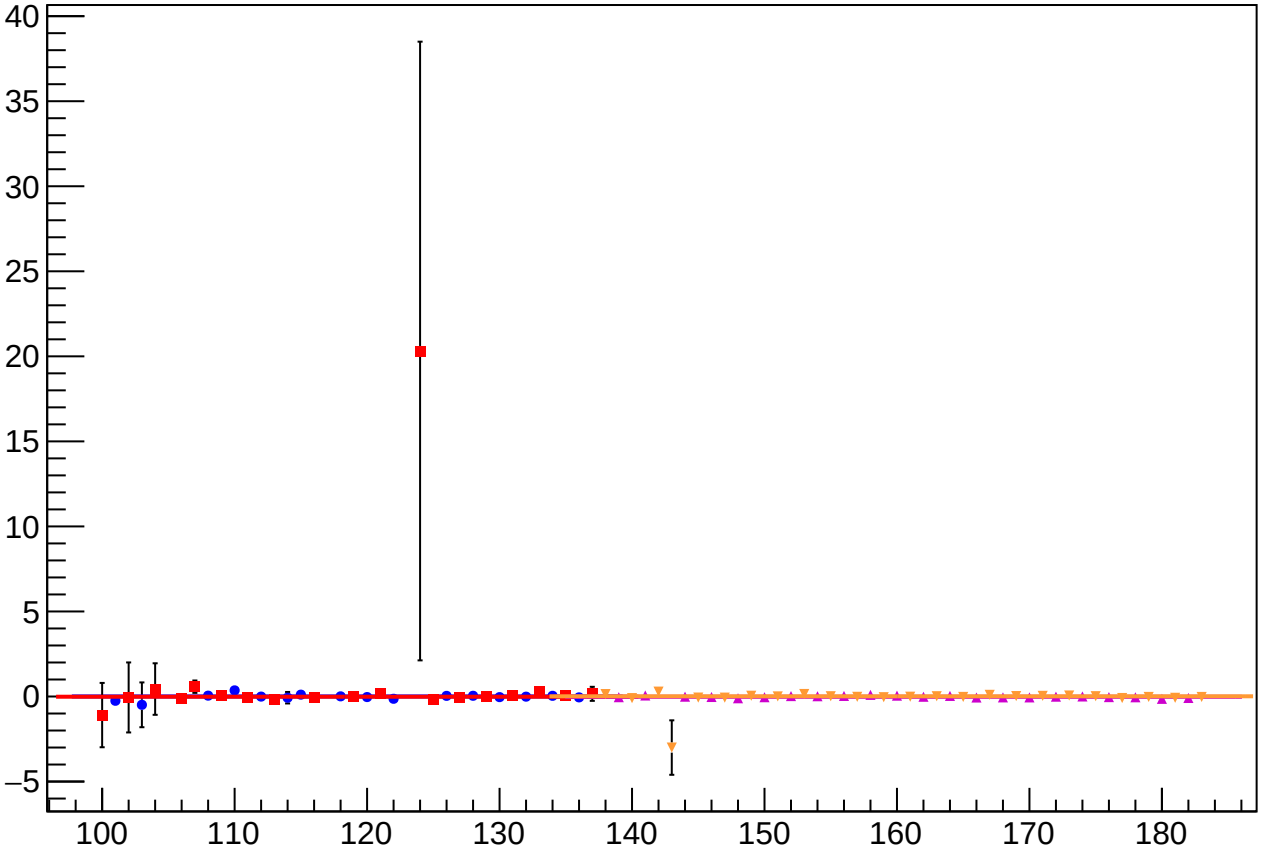
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.048+/-0.008 χ^2/NDF:4882730.1/37

Out: 48.954+/-0.008 χ^2/NDF:7056044.5/42

All: 49.001+/-0.006 χ^2/NDF: 11938844.2/80

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: 0.012+/-0.012 χ^2/NDF:28.8/23

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: 50.8/45

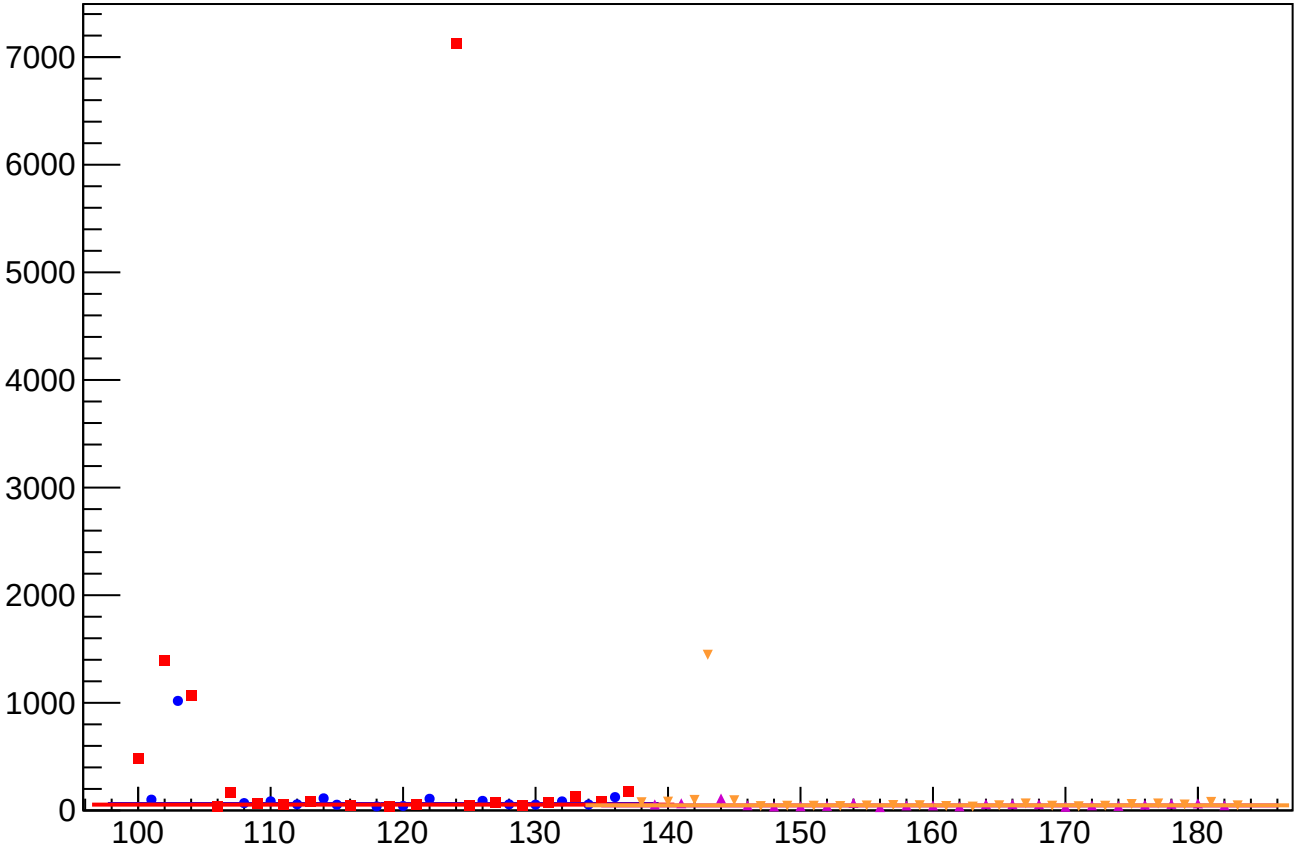
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.013+/-0.011 χ^2/NDF:31.1/37

Out: 0.007+/-0.011 χ^2/NDF:47.2/42

All: -0.003+/-0.008 χ^2/NDF: 80.0/80

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: 47.716+/-0.009 χ^2/NDF:3430623.9/23

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.742+/-0.009 χ^2/NDF:1947837.7/21

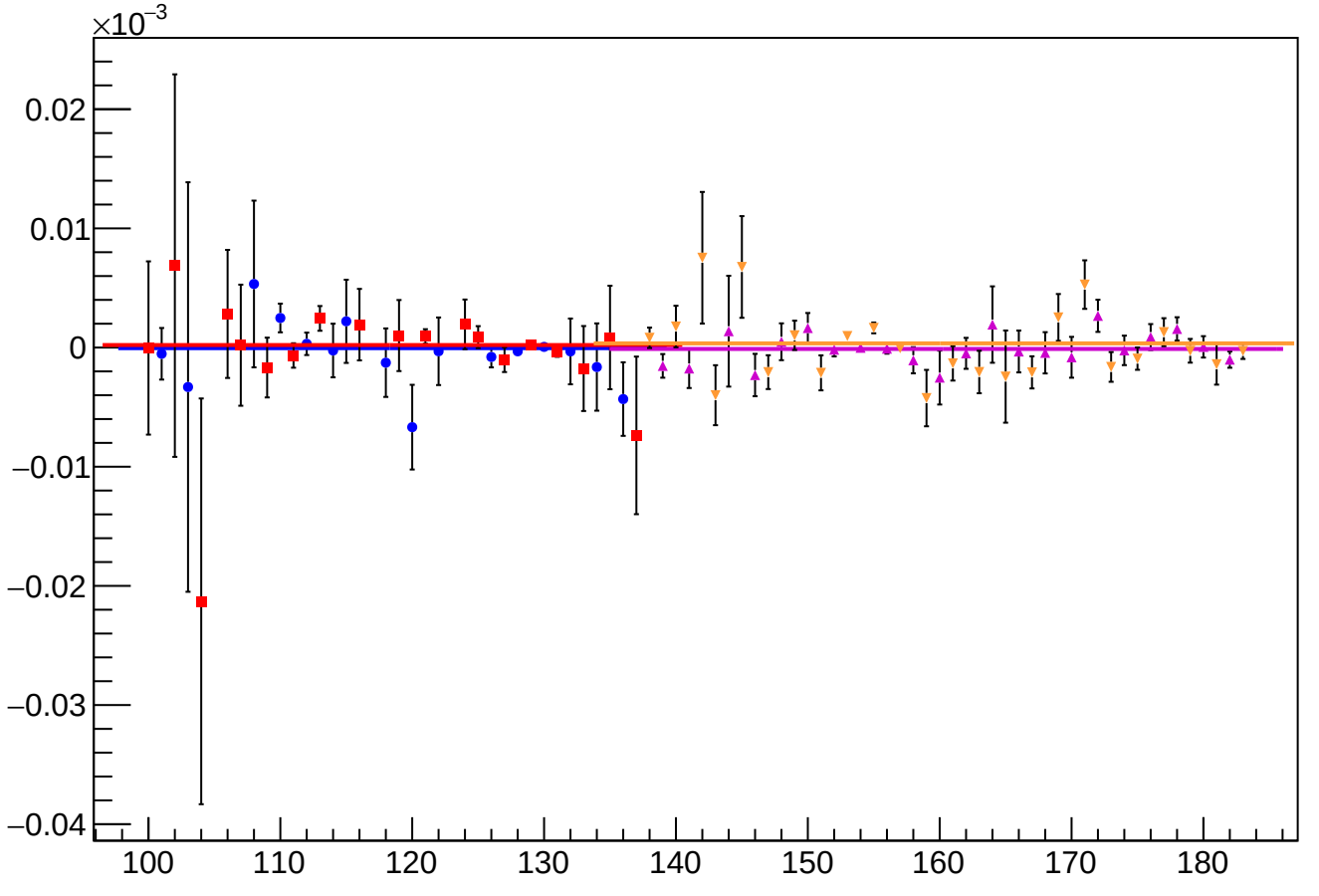
Left: 47.224+/-0.006 χ^2/NDF: 5384612.5/45

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.048+/-0.008 χ^2/NDF:4882730.1/37

Out: 48.954+/-0.008 χ^2/NDF:7056044.5/42

All: 49.001+/-0.006 χ^2/NDF: 11938844.2/80



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:19.2/21

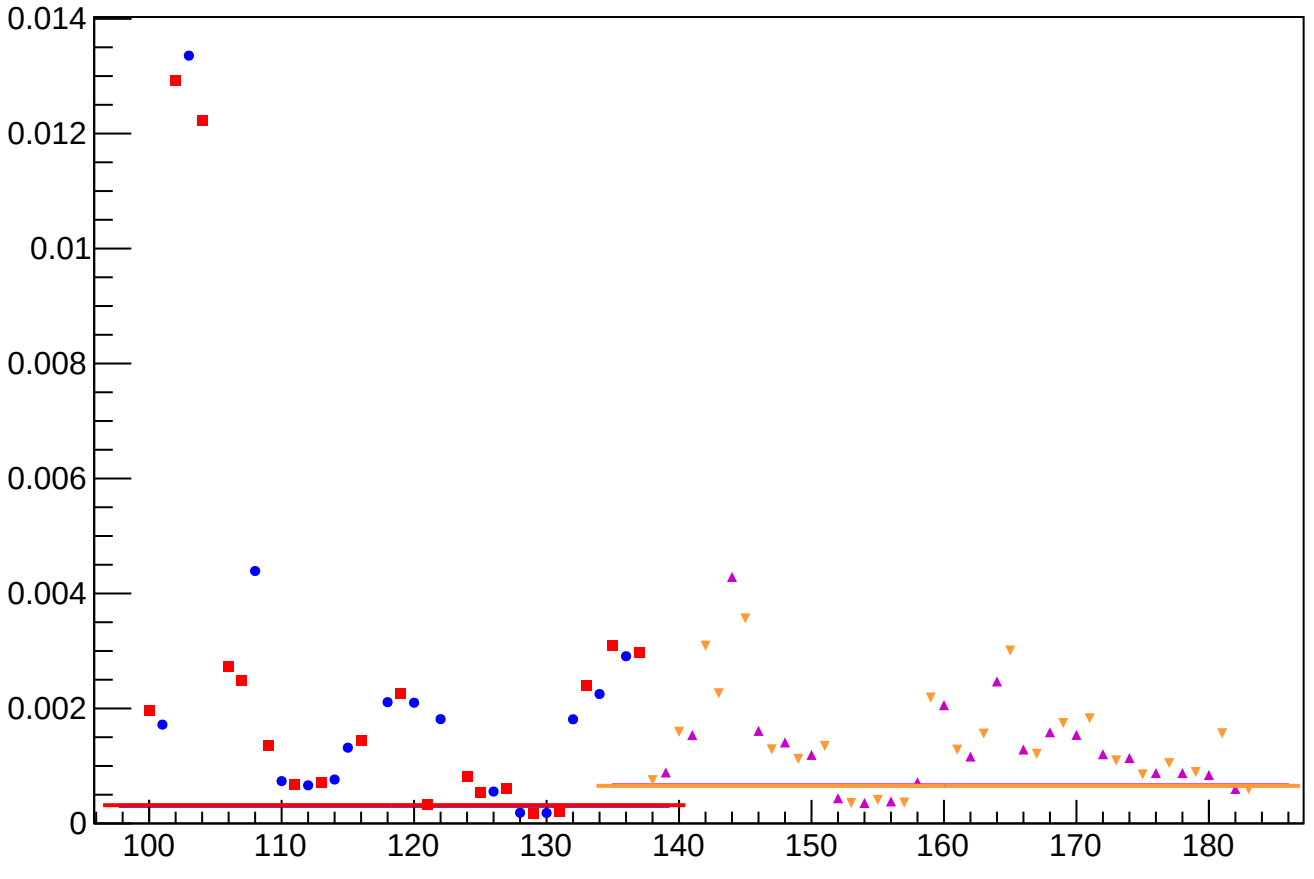
Left: 0.000+/-0.000 χ^2/NDF: 73.2/45

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:66.8/42

All: 0.000+/-0.000 χ^2/NDF: 102.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:12081040.6/23

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: 21768909.6/45

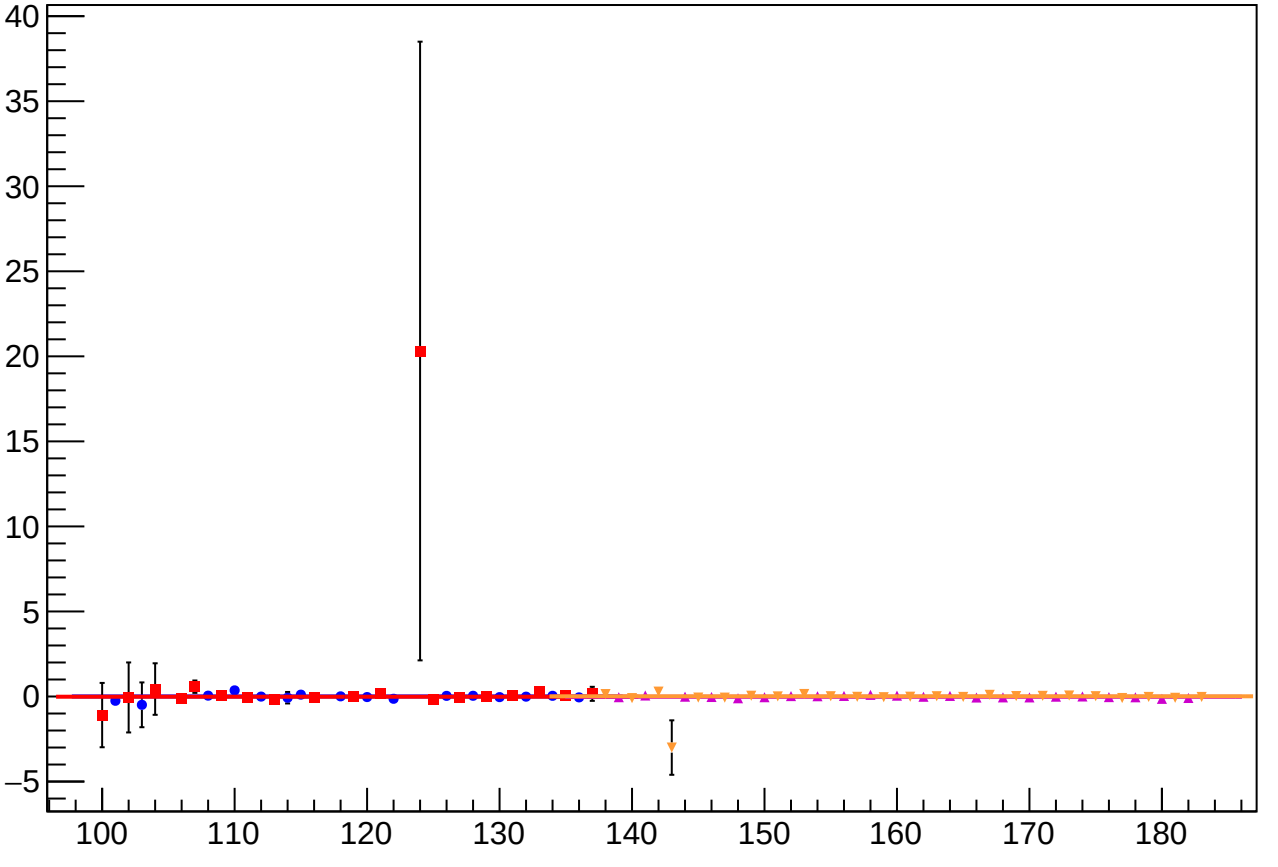
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:21851683.5/37

Out: 0.000+/-0.000 χ^2/NDF:23296503.5/42

All: 0.000+/-0.000 χ^2/NDF: 45149638.8/80

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: 0.012+/-0.012 χ^2/NDF:28.8/23

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: 50.8/45

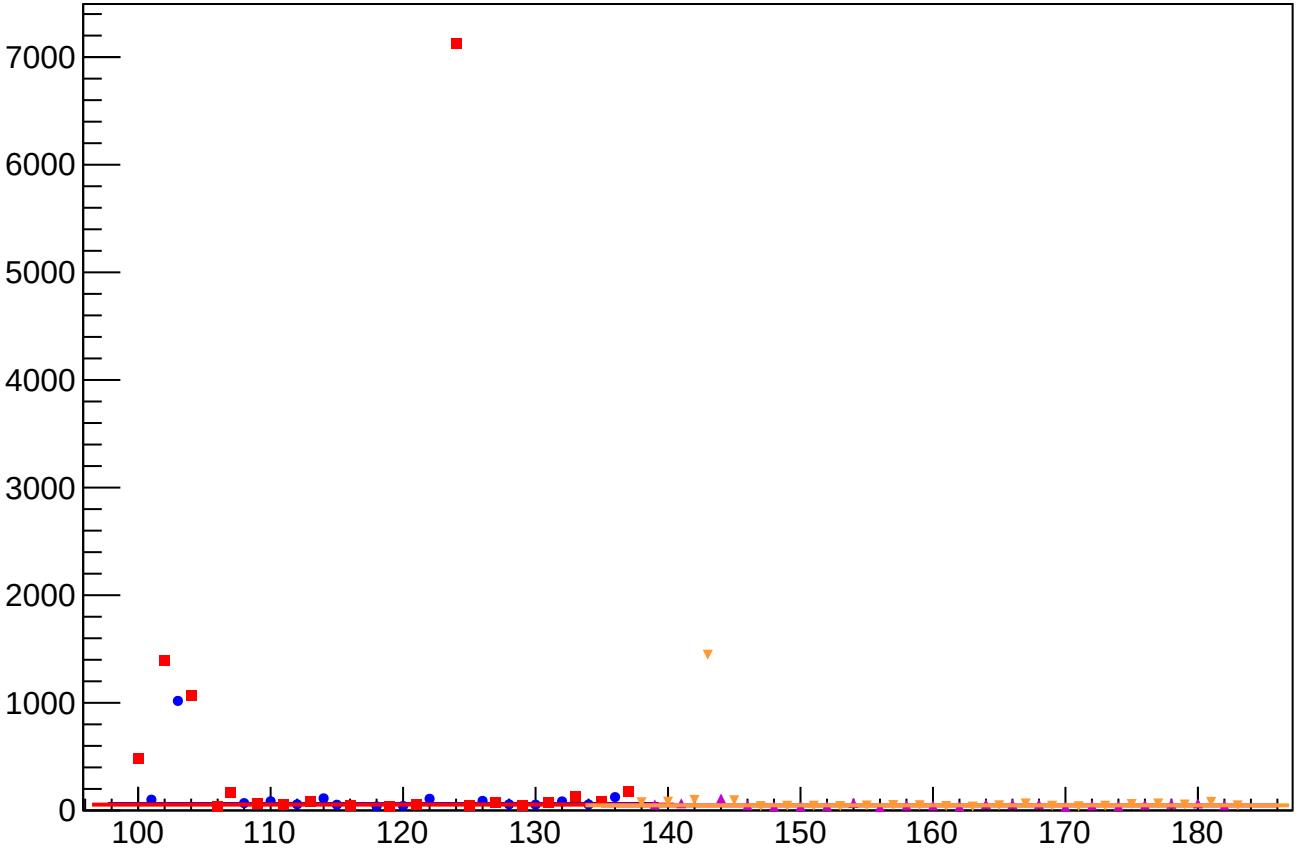
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.013+/-0.011 χ^2/NDF:31.1/37

Out: 0.007+/-0.011 χ^2/NDF:47.2/42

All: -0.003+/-0.008 χ^2/NDF: 80.0/80

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: 47.716+/-0.009 χ^2/NDF:3430600.7/23

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: 47.224+/-0.006 χ^2/NDF: 5384586.3/45

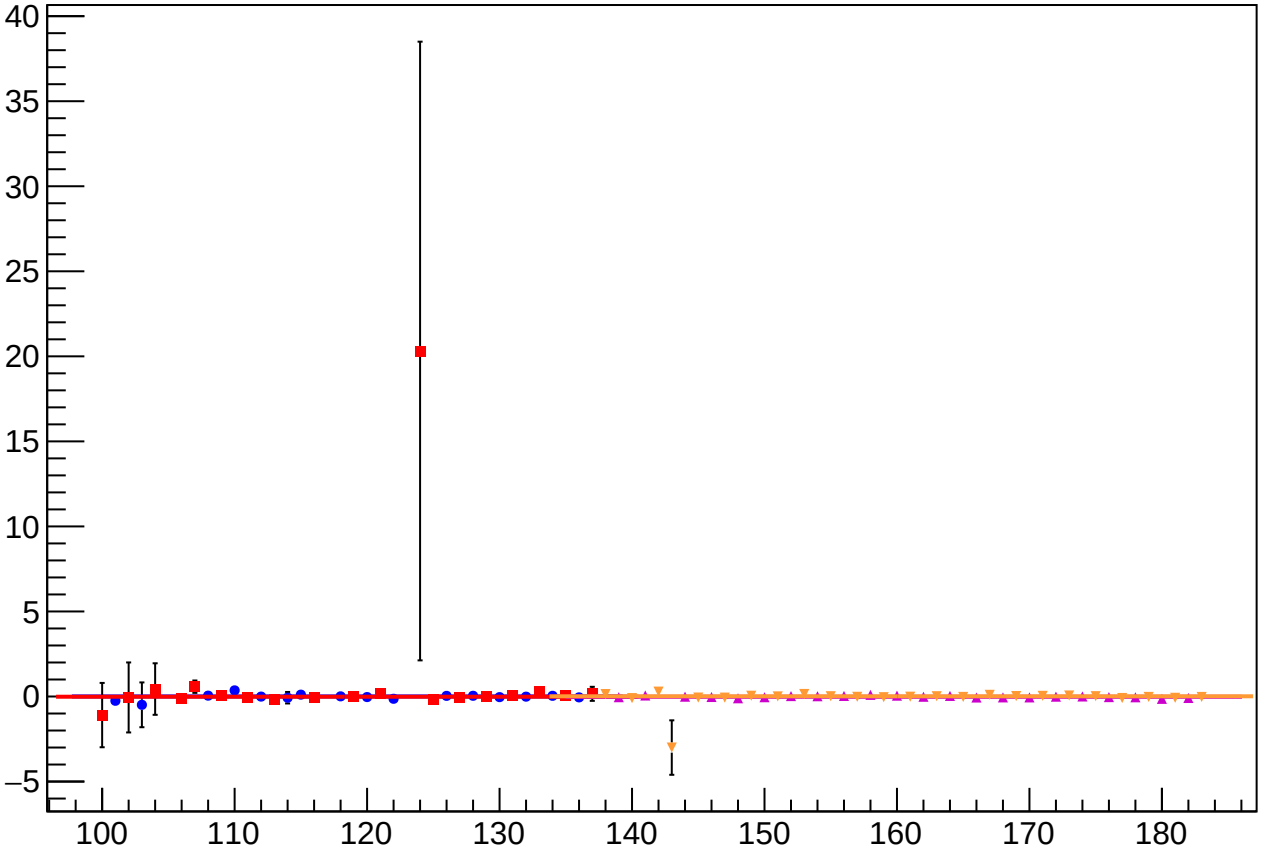
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.048+/-0.008 χ^2/NDF:4882728.8/37

Out: 48.954+/-0.008 χ^2/NDF:7056043.3/42

All: 49.001+/-0.006 χ^2/NDF: 11938841.6/80

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: 0.012+/-0.012 χ^2/NDF:28.8/23

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: 50.8/45

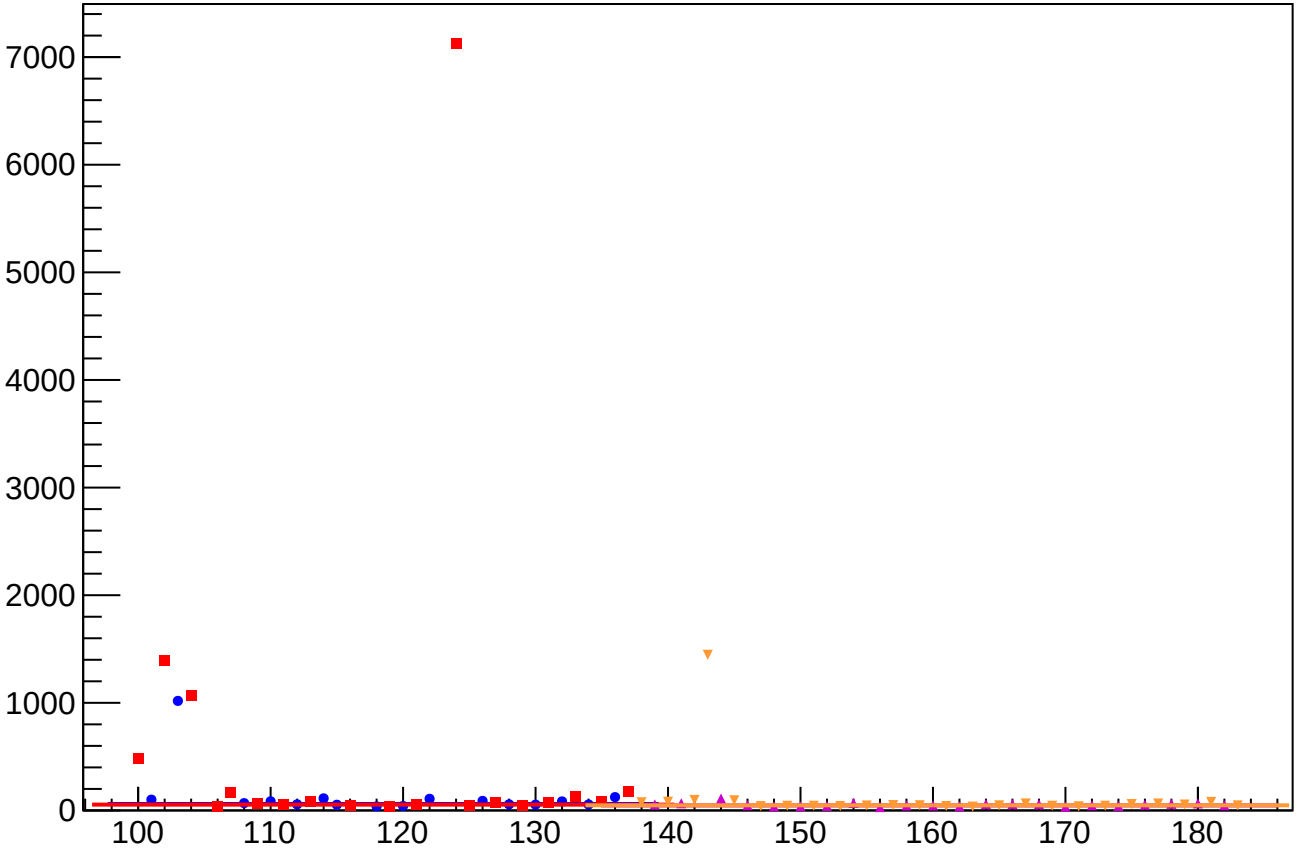
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.013+/-0.011 χ^2/NDF:31.1/37

Out: 0.007+/-0.011 χ^2/NDF:47.2/42

All: -0.003+/-0.008 χ^2/NDF: 80.0/80

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: 47.716+/-0.009 χ^2/NDF:3430600.7/23

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.742+/-0.009 χ^2/NDF:1947831.8/21

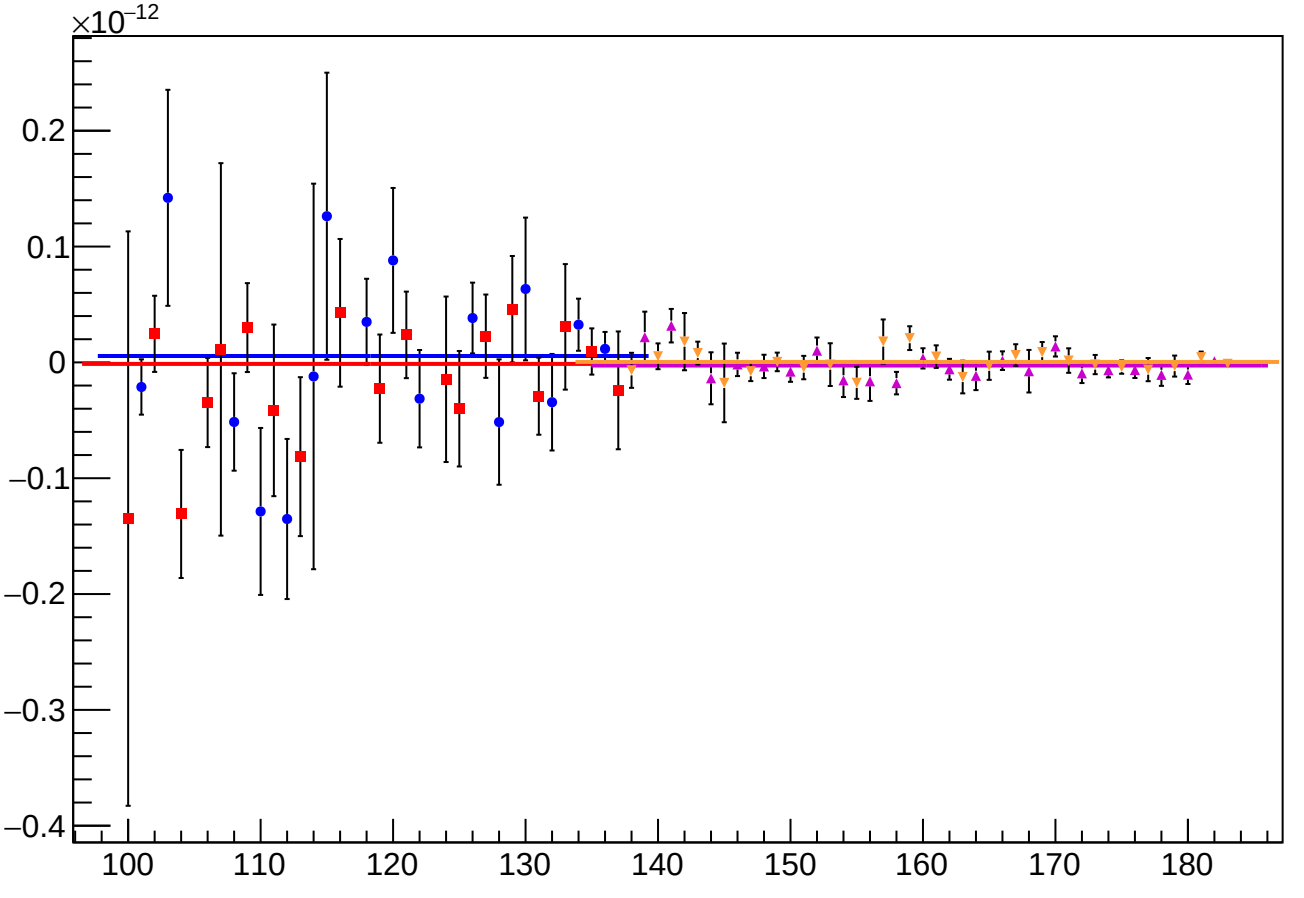
Left: 47.224+/-0.006 χ^2/NDF: 5384586.3/45

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.048+/-0.008 χ^2/NDF:4882728.8/37

Out: 48.954+/-0.008 χ^2/NDF:7056043.3/42

All: 49.001+/-0.006 χ^2/NDF: 11938841.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.7/21

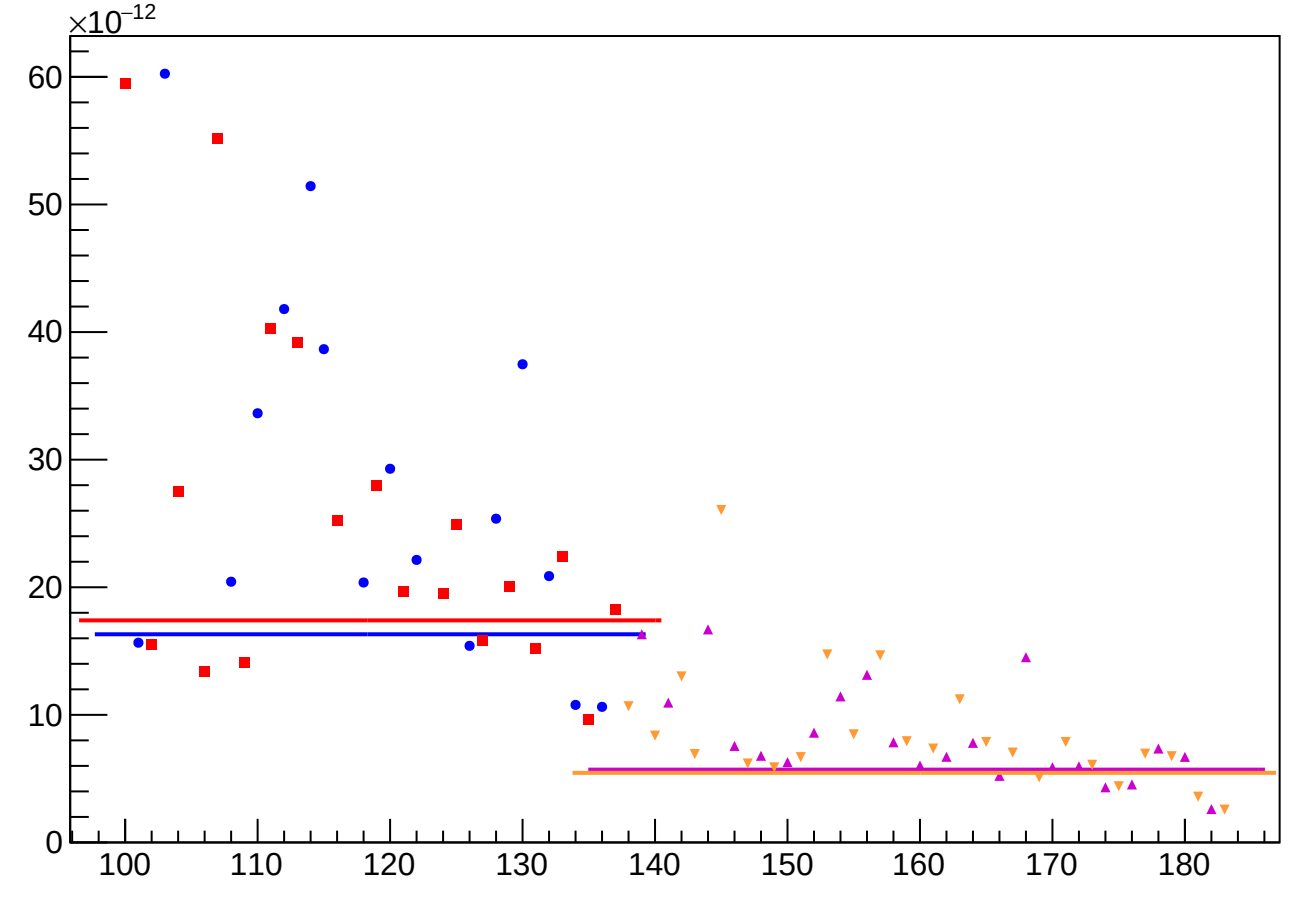
Left: -0.000+/-0.000 χ^2/NDF: 37.4/45

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:28.5/42

All: -0.000+/-0.000 χ^2/NDF: 74.9/80



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5085403.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

Left In: 0.000+/-0.000 χ^2/NDF:4477038.1/21

Left: 0.000+/-0.000 χ^2/NDF: 9582266.1/45

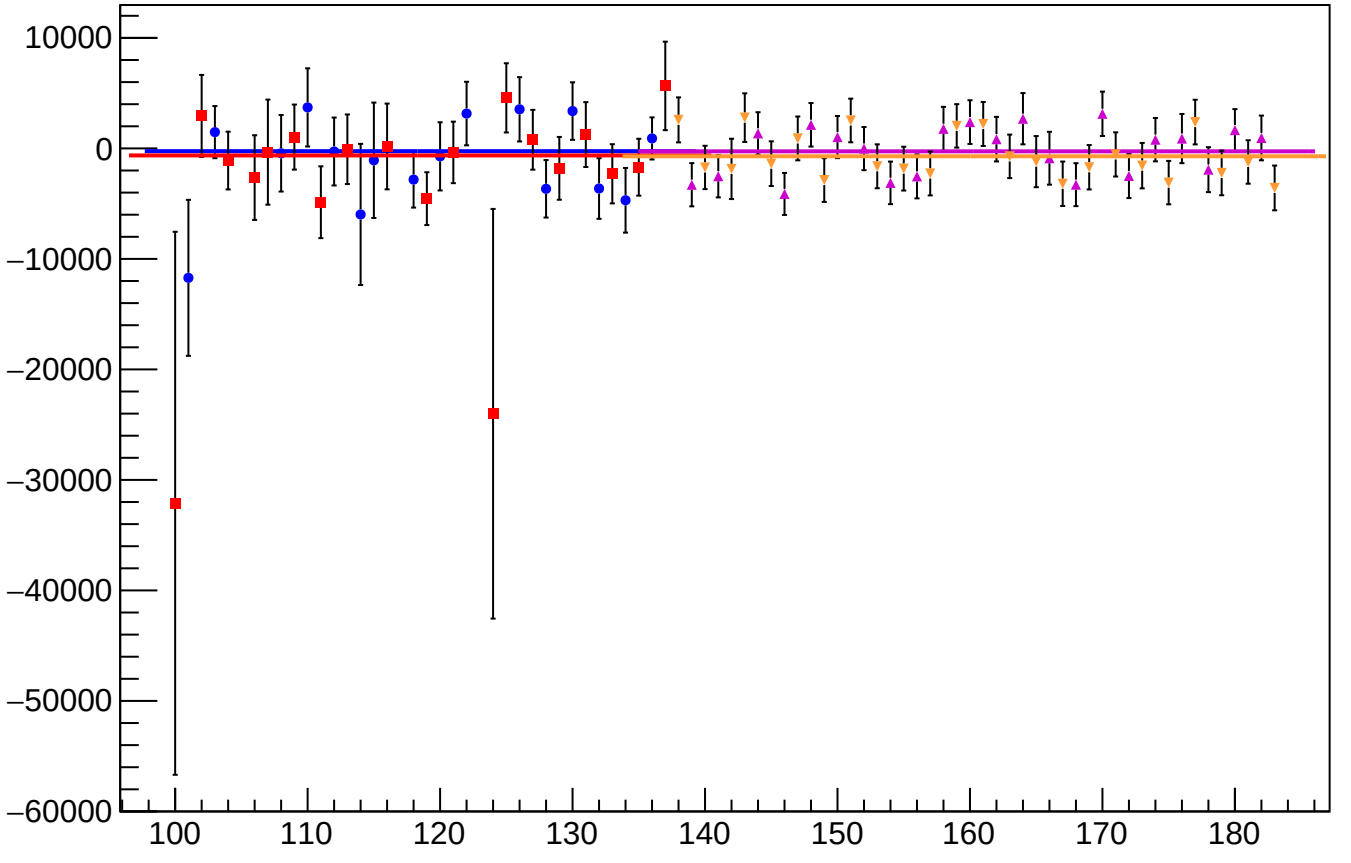
Right: 0.000+/-0.000 χ^2/NDF: 3106014.7/34

In: 0.000+/-0.000 χ^2/NDF:9251167.7/37

Out: 0.000+/-0.000 χ^2/NDF:9179418.8/42

All: 0.000+/-0.000 χ^2/NDF: 18470432.5/80

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -713.439+/-415.043 χ^2/NDF:23.9/23

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: -494.967+/-297.354 χ^2/NDF: 52.5/45

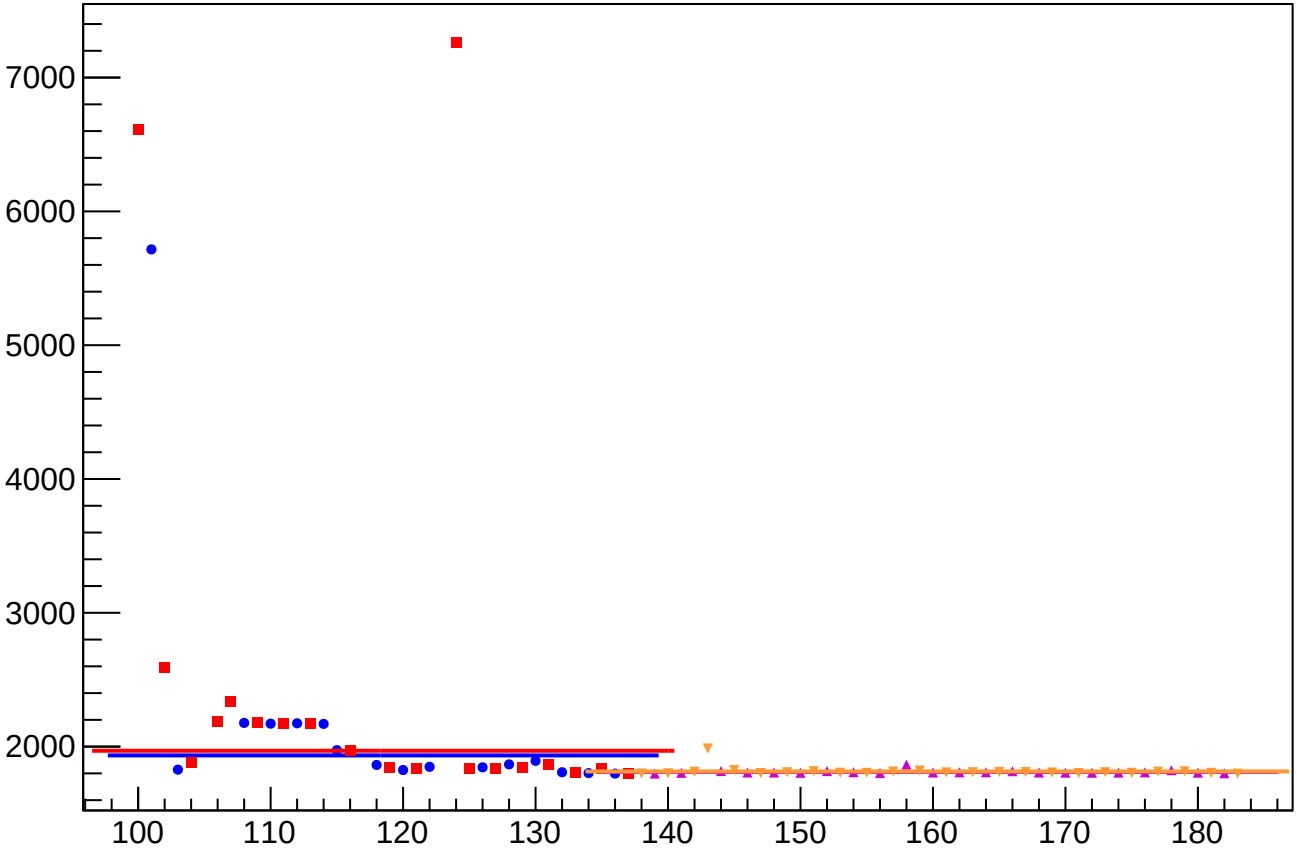
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -261.227+/-368.728 χ^2/NDF:45.3/37

Out: -694.754+/-361.460 χ^2/NDF:39.9/42

All: -482.305+/-258.122 χ^2/NDF: 85.8/80

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1814.654+/-0.293 χ^2/NDF:13061.1/23

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1810.627+/-0.301 χ^2/NDF:1948.0/21

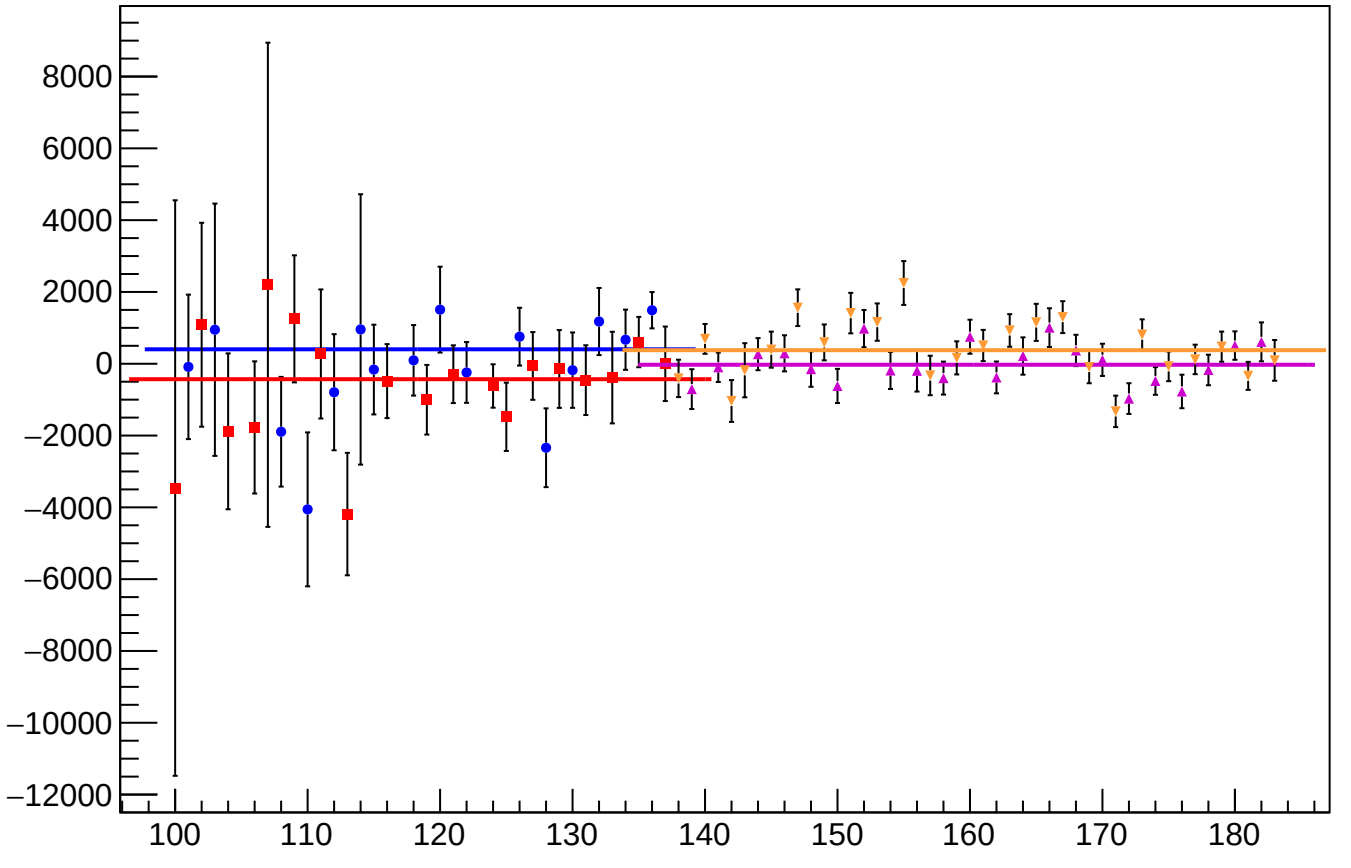
Left: 1812.694+/-0.210 χ^2/NDF: 15100.7/45

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1841.721+/-0.261 χ^2/NDF:684176.2/37

Out: 1851.983+/-0.256 χ^2/NDF:458423.3/42

All: 1846.955+/-0.183 χ^2/NDF: 1143389.5/80



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 378.132+/-97.498 χ^2/NDF:62.3/23

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -28.020+/-99.574 χ^2/NDF:28.8/21

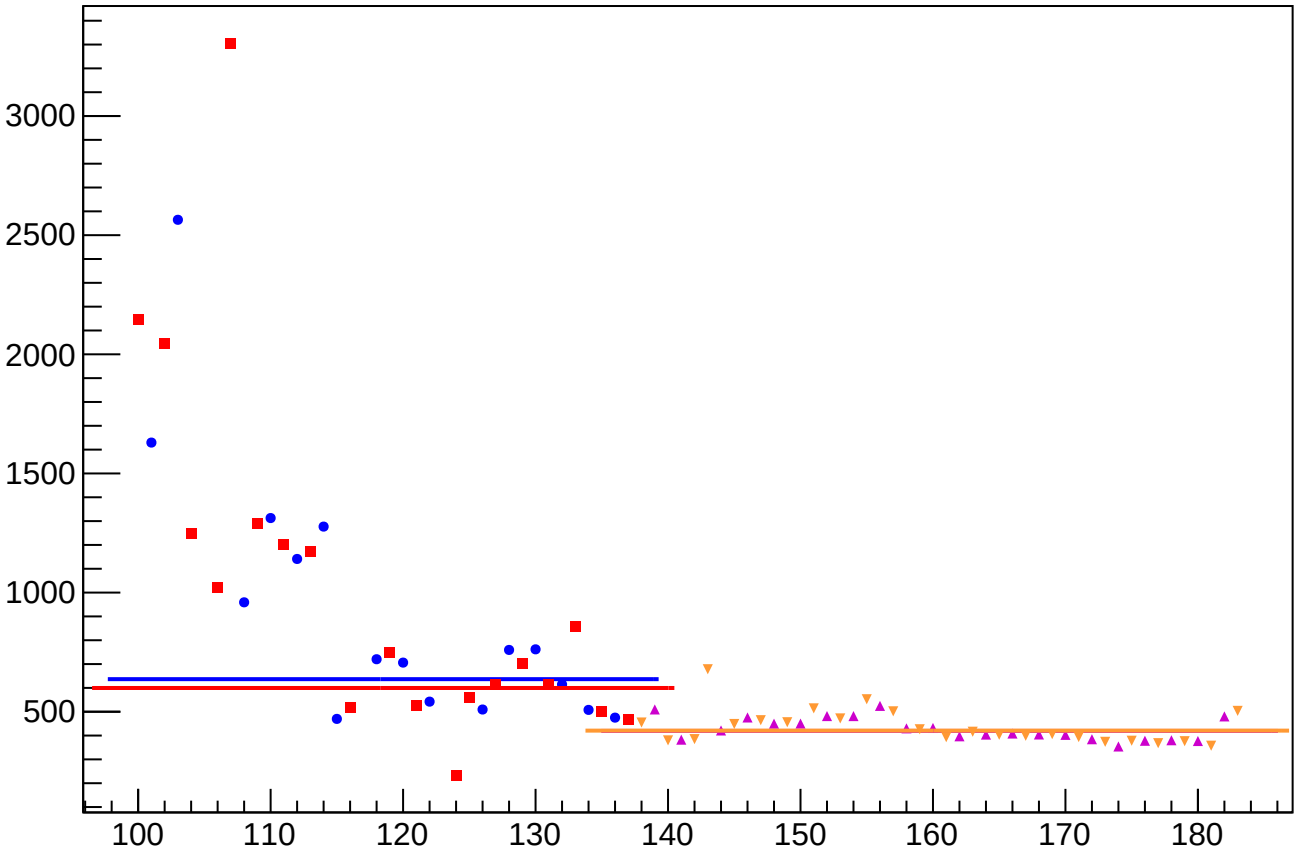
Left: 179.333+/-69.664 χ^2/NDF: 99.6/45

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 27.595+/-92.922 χ^2/NDF:52.4/37

Out: 273.499+/-90.969 χ^2/NDF:82.9/42

All: 153.159+/-65.004 χ^2/NDF: 138.9/80



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 420.680+/-0.069 χ^2/NDF:731563.0/23

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: 420.026+/-0.049 χ^2/NDF: 1131855.0/45

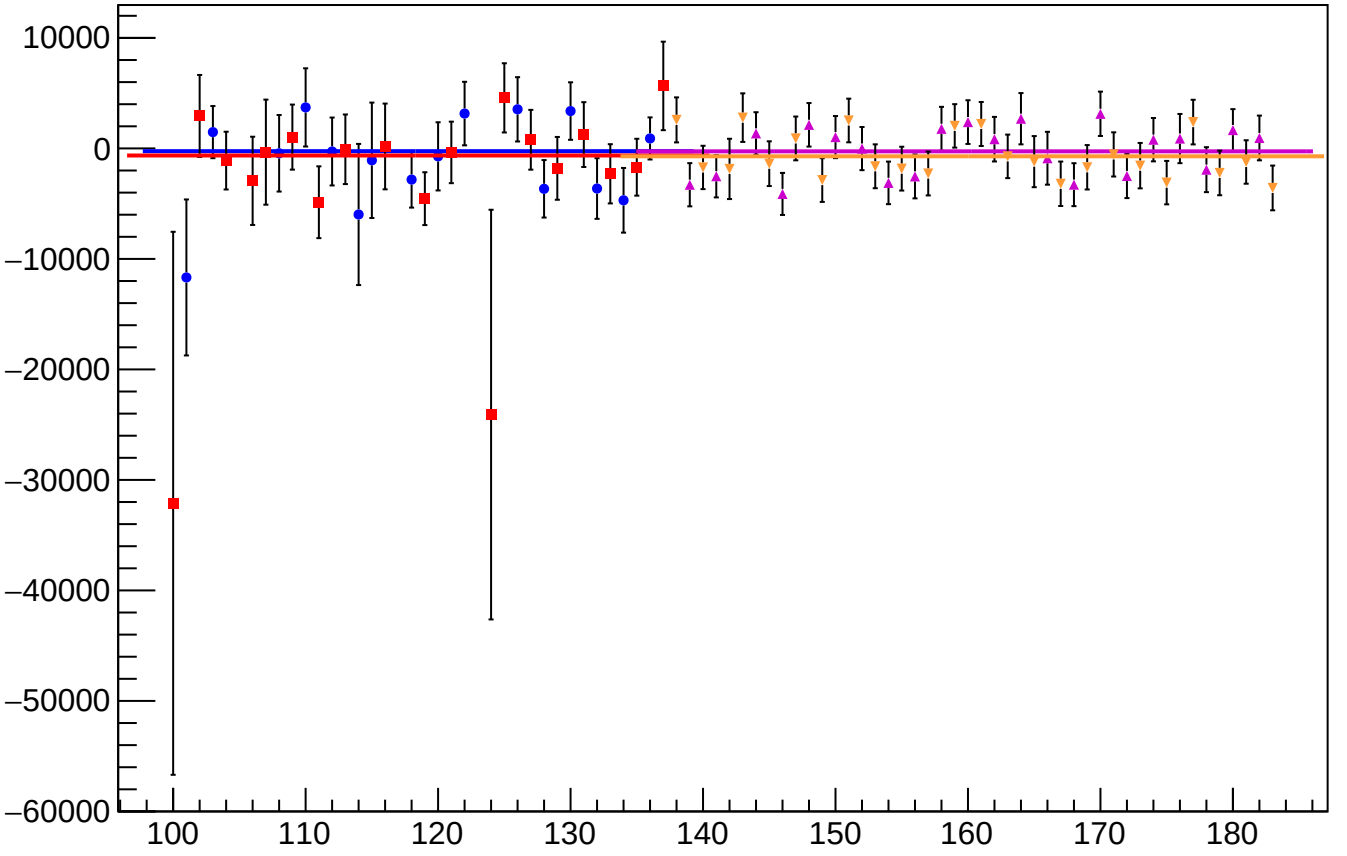
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 447.413+/-0.066 χ^2/NDF:3697703.6/37

Out: 443.848+/-0.064 χ^2/NDF:4547932.1/42

All: 445.593+/-0.046 χ^2/NDF: 8247138.9/80

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -713.451+/-415.043 χ^2/NDF:23.9/23

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: -494.988+/-297.354 χ^2/NDF: 52.5/45

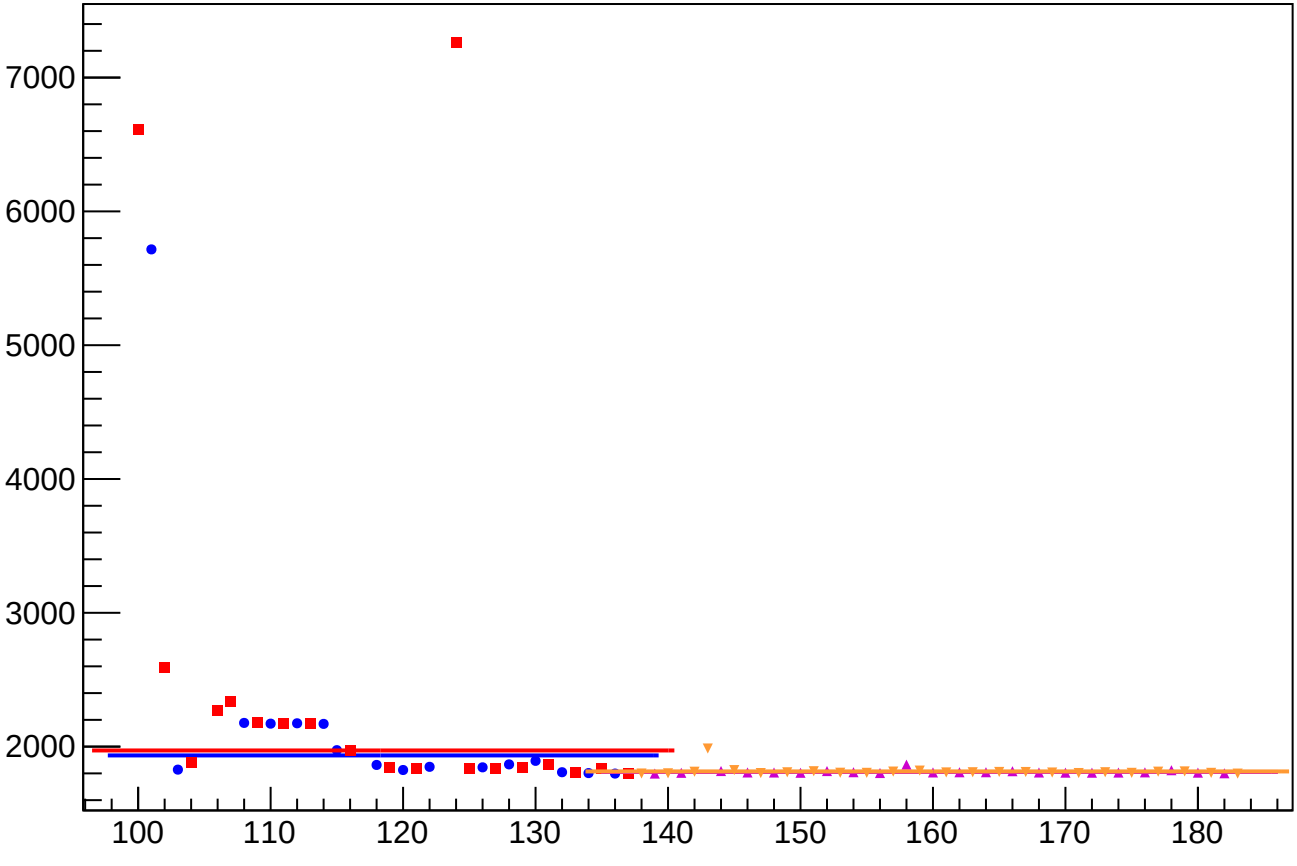
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -261.045+/-368.728 χ^2/NDF:45.2/37

Out: -695.958+/-361.587 χ^2/NDF:39.9/42

All: -482.753+/-258.168 χ^2/NDF: 85.9/80

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1814.654+/-0.293 χ^2/NDF:13061.1/23

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1810.627+/-0.301 χ^2/NDF:1948.0/21

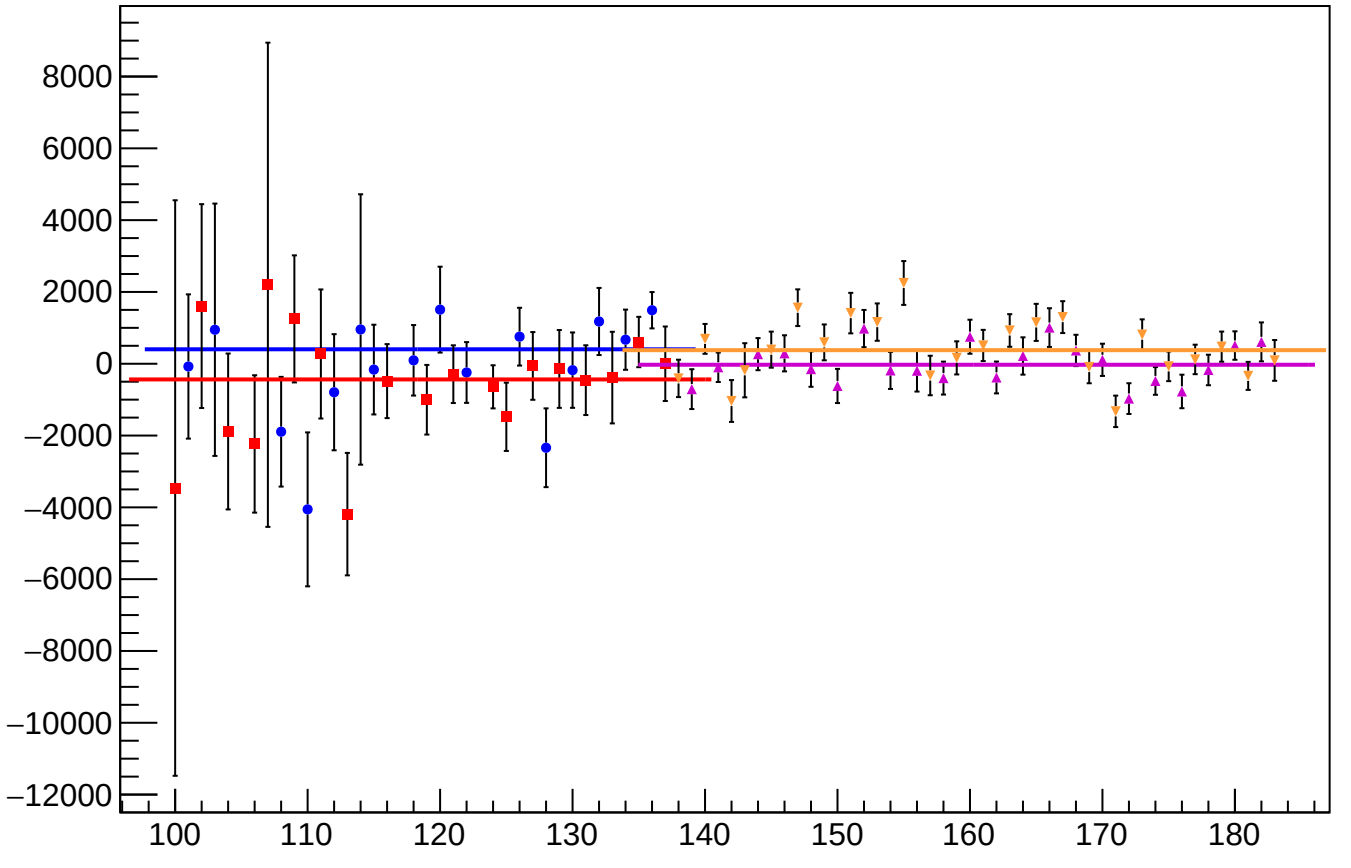
Left: 1812.694+/-0.210 χ^2/NDF: 15100.7/45

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1841.722+/-0.261 χ^2/NDF:684176.1/37

Out: 1852.420+/-0.256 χ^2/NDF:464948.1/42

All: 1847.175+/-0.183 χ^2/NDF: 1149982.5/80



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 378.093+/-97.499 χ^2/NDF:62.3/23

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -28.026+/-99.573 χ^2/NDF:28.8/21

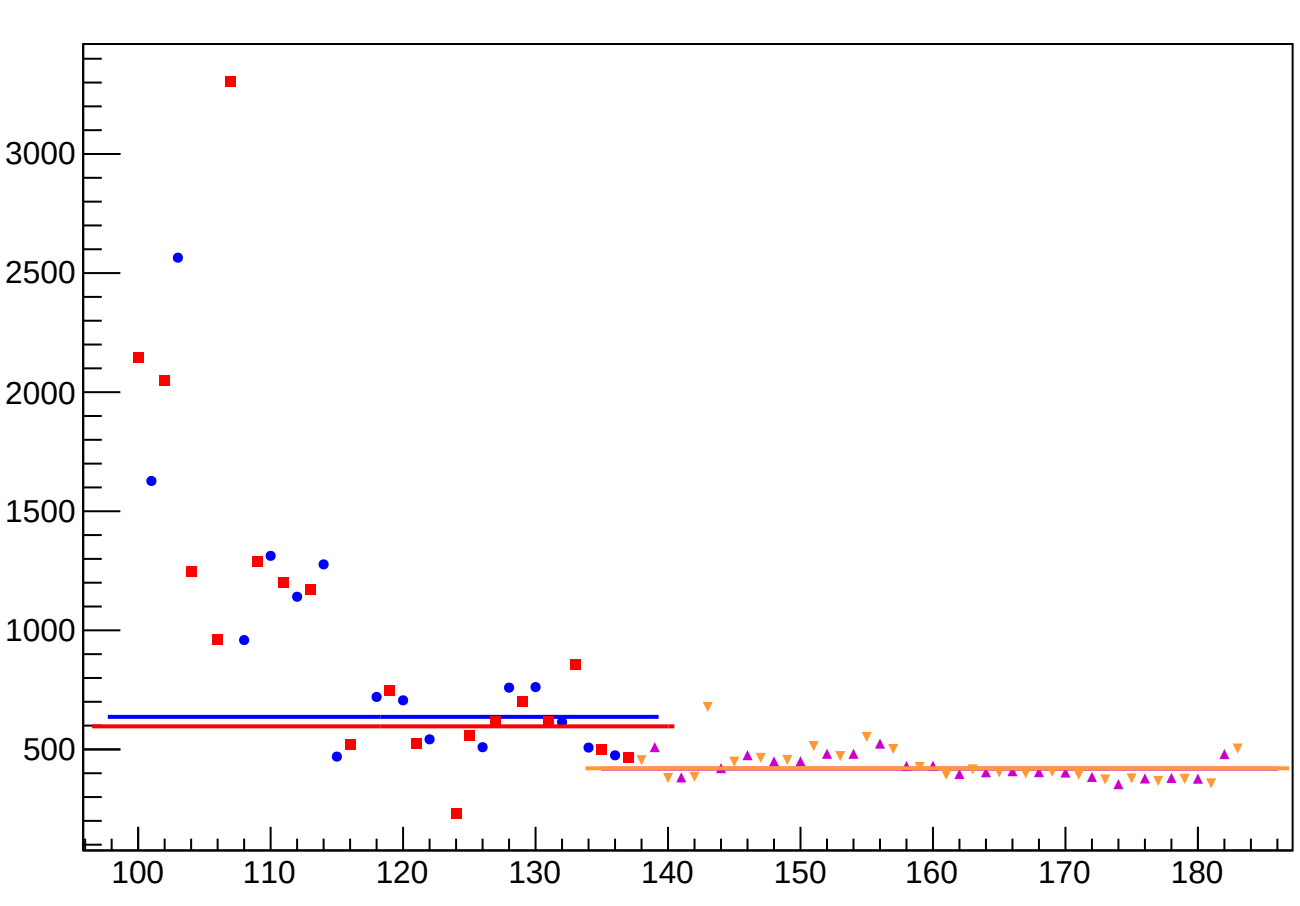
Left: 179.307+/-69.664 χ^2/NDF: 99.6/45

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 27.602+/-92.921 χ^2/NDF:52.4/37

Out: 272.497+/-90.962 χ^2/NDF:83.7/42

All: 152.658+/-65.001 χ^2/NDF: 139.6/80



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 420.683+/-0.069 χ^2/NDF:731491.8/23

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 419.339+/-0.070 χ^2/NDF:400131.0/21

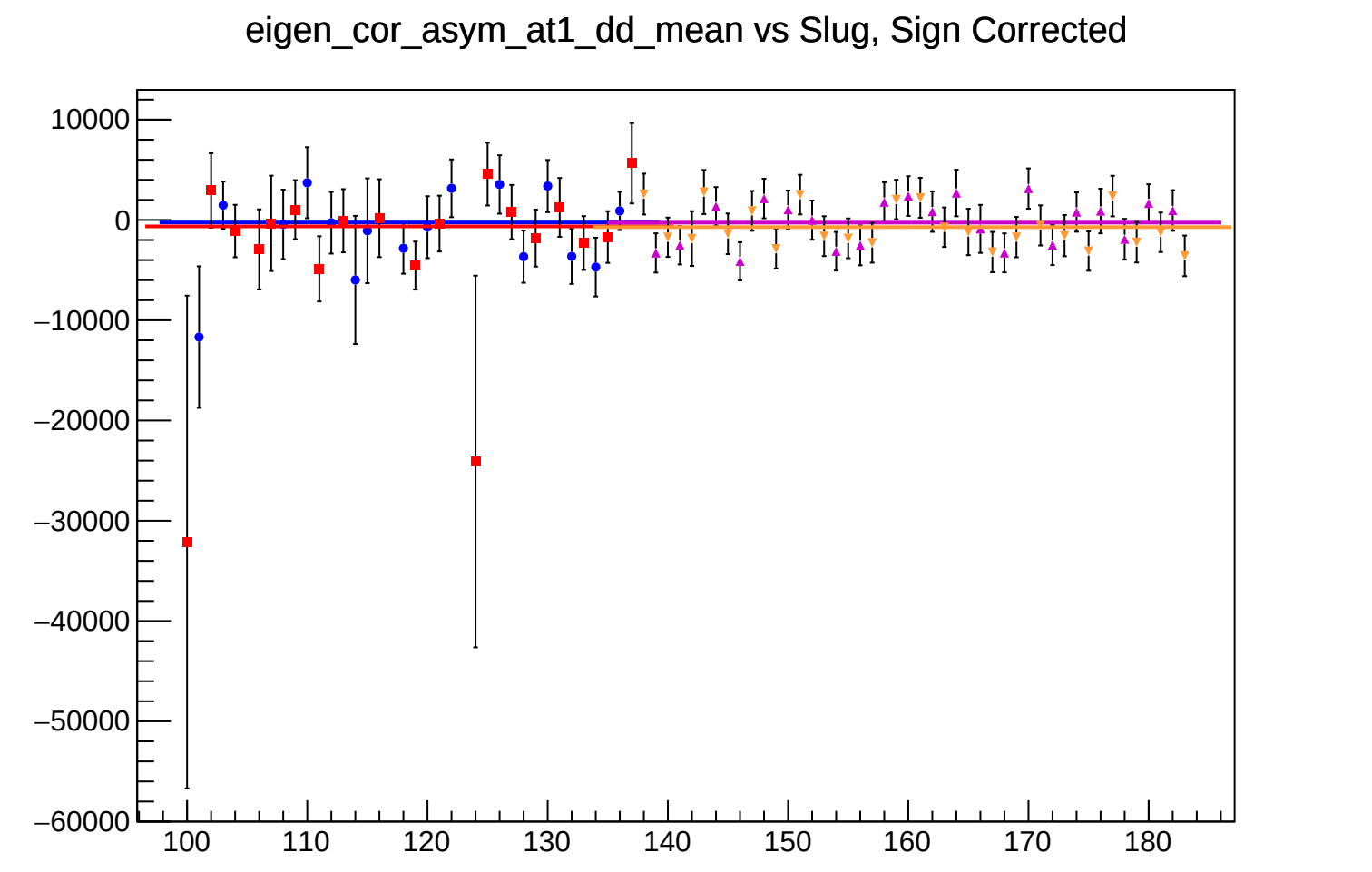
Left: 420.025+/-0.049 χ^2/NDF: 1131808.9/45

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 447.410+/-0.066 χ^2/NDF:3696978.3/37

Out: 443.516+/-0.064 χ^2/NDF:4508266.6/42

All: 445.422+/-0.046 χ^2/NDF: 8207038.9/80



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -713.451+/-415.043 χ^2/NDF:23.9/23

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -264.595+/-426.224 χ^2/NDF:28.0/21

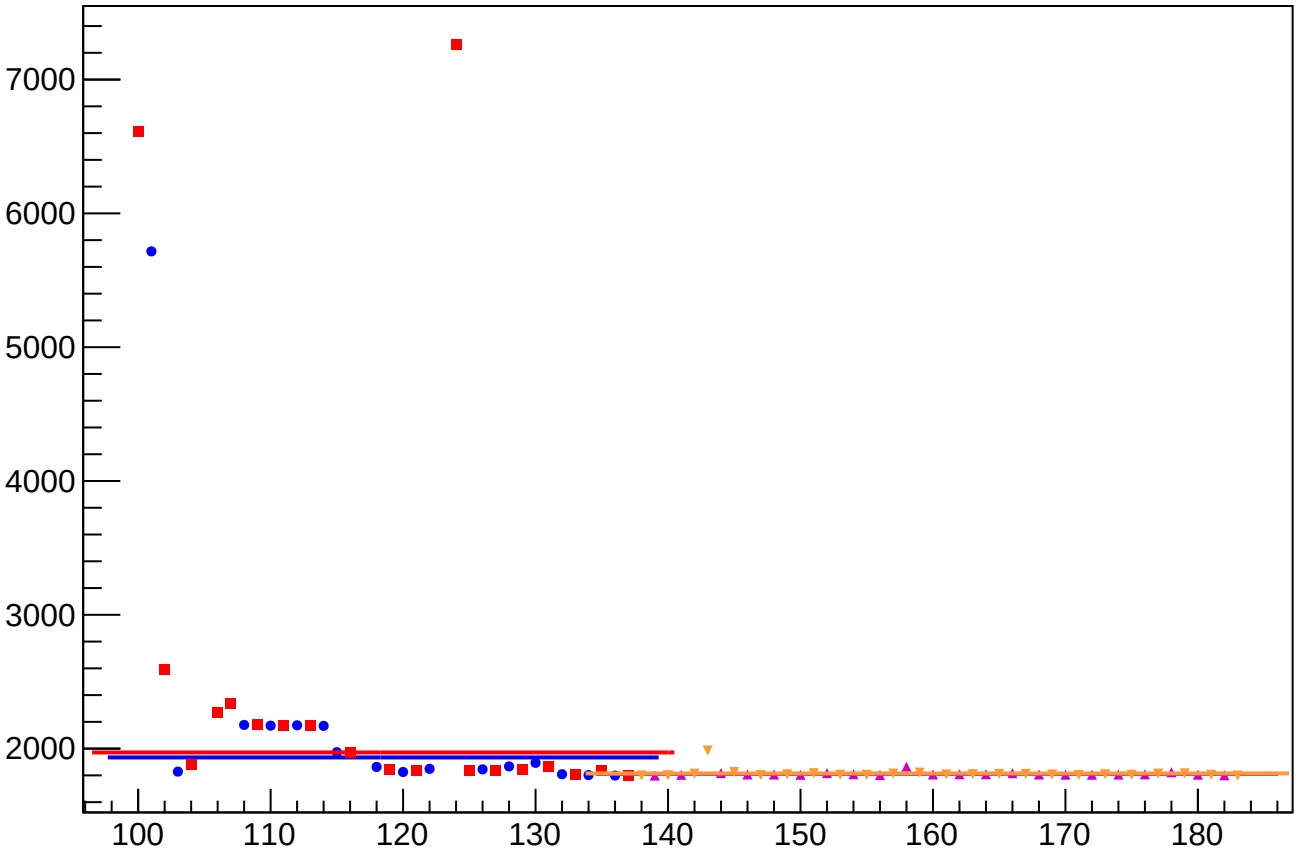
Left: -494.988+/-297.354 χ^2/NDF: 52.5/45

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -261.045+/-368.728 χ^2/NDF:45.2/37

Out: -695.958+/-361.587 χ^2/NDF:39.9/42

All: -482.753+/-258.168 χ^2/NDF: 85.9/80



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1814.654+/-0.293 χ^2/NDF:13061.1/23

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1810.627+/-0.301 χ^2/NDF:1948.0/21

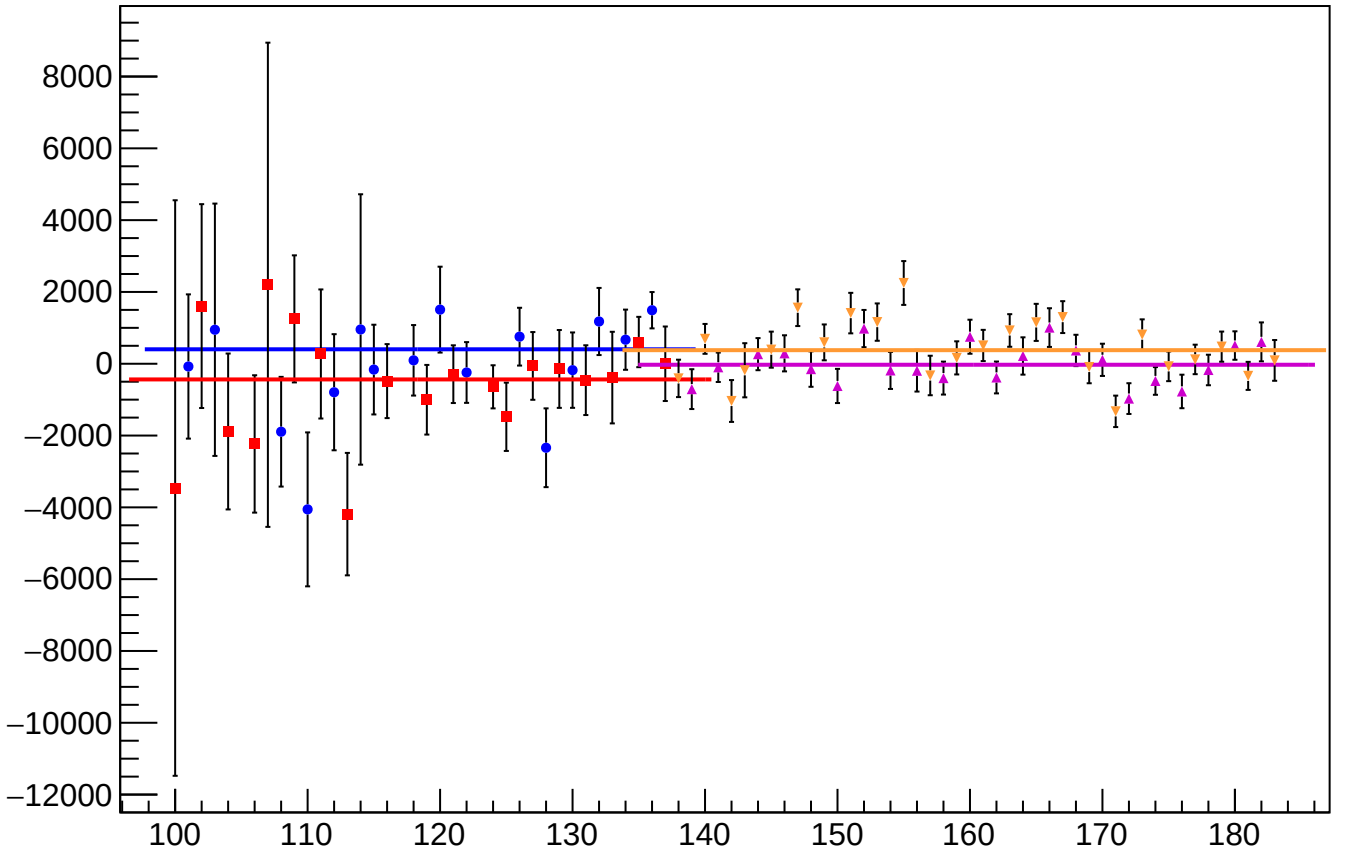
Left: 1812.694+/-0.210 χ^2/NDF: 15100.7/45

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1841.722+/-0.261 χ^2/NDF:684176.1/37

Out: 1852.420+/-0.256 χ^2/NDF:464948.1/42

All: 1847.175+/-0.183 χ^2/NDF: 1149982.5/80



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 378.093+/-97.499 χ^2/NDF:62.3/23

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -28.026+/-99.573 χ^2/NDF:28.8/21

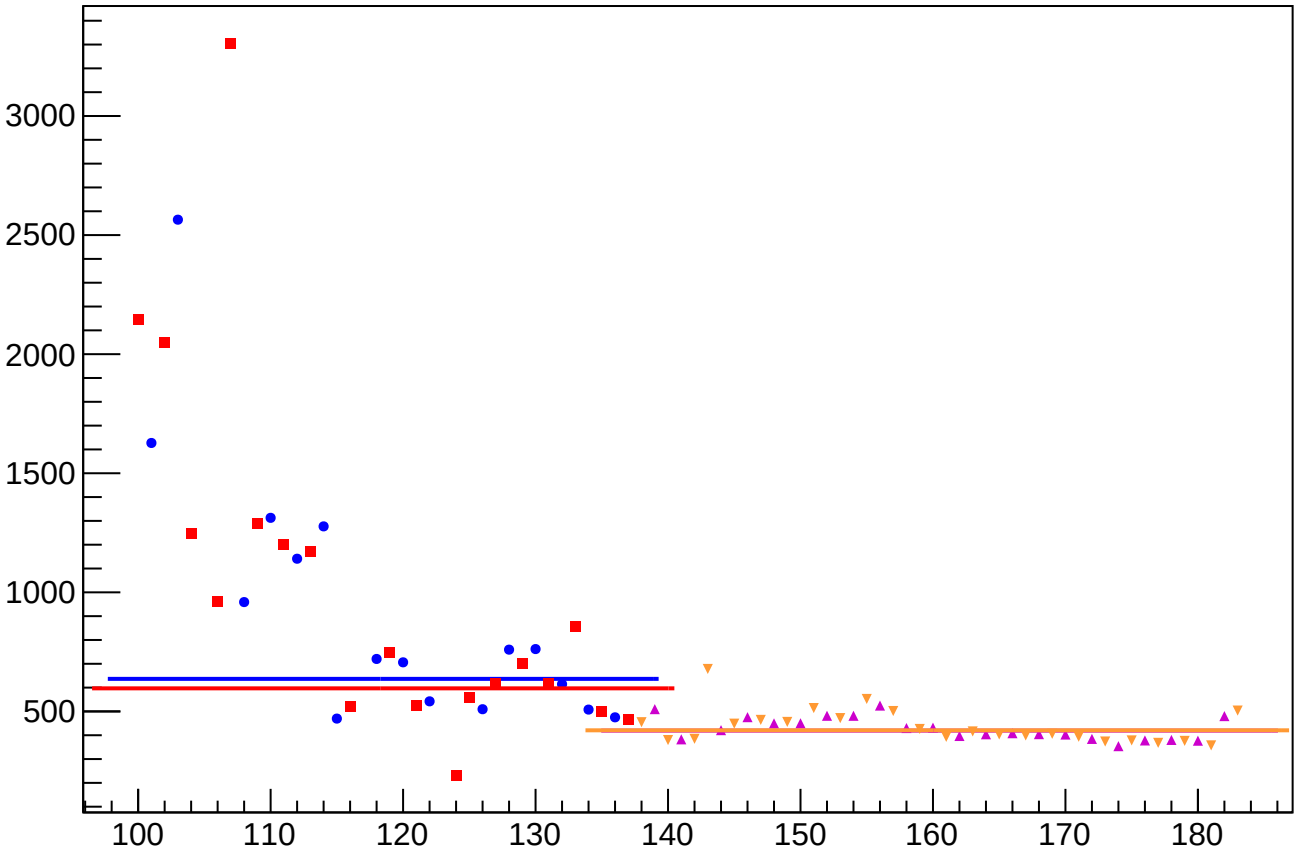
Left: 179.307+/-69.664 χ^2/NDF: 99.6/45

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 27.602+/-92.921 χ^2/NDF:52.4/37

Out: 272.497+/-90.962 χ^2/NDF:83.7/42

All: 152.658+/-65.001 χ^2/NDF: 139.6/80



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 420.683+/-0.069 χ^2/NDF:731491.8/23

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: 420.025+/-0.049 χ^2/NDF: 1131808.9/45

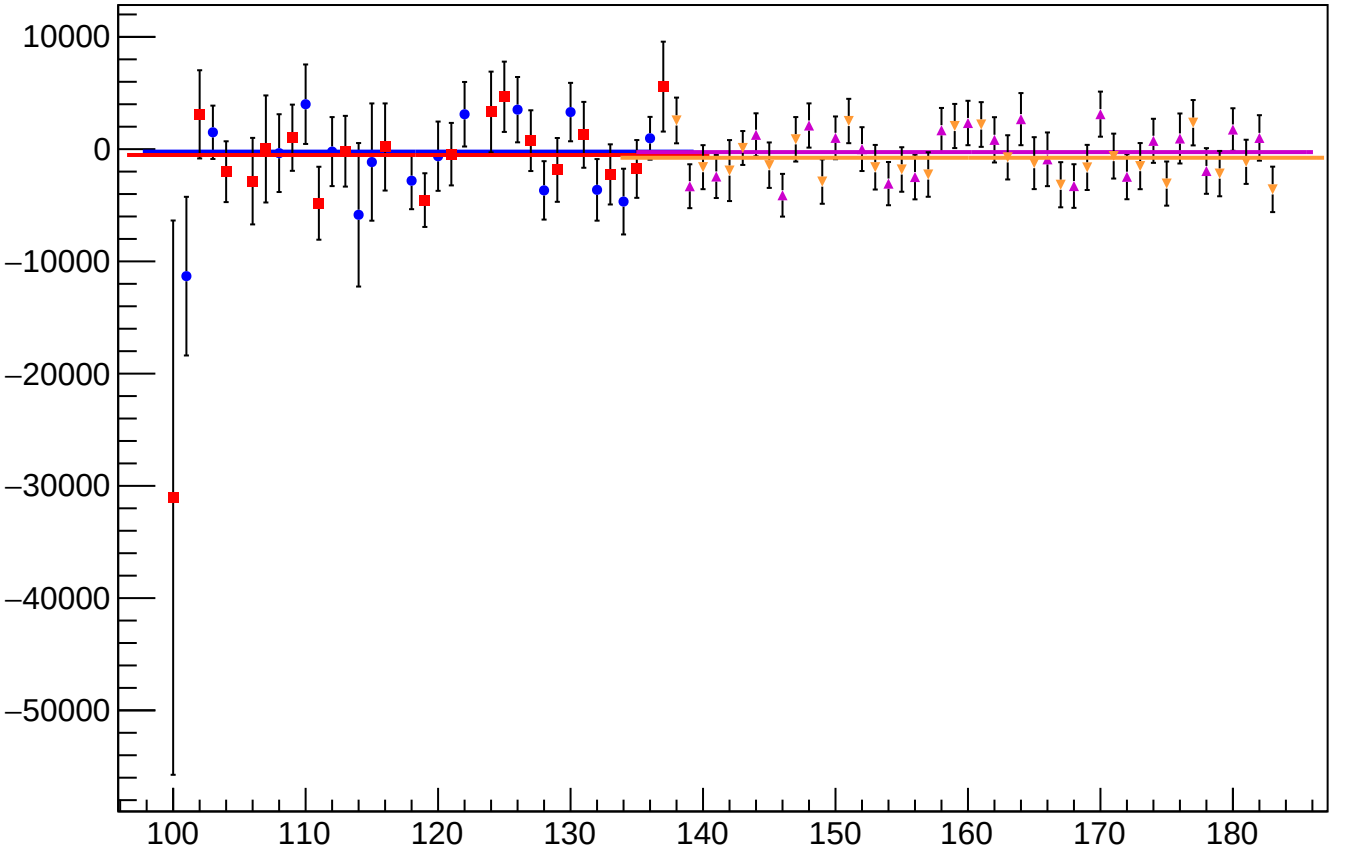
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 447.410+/-0.066 χ^2/NDF:3696978.3/37

Out: 443.516+/-0.064 χ^2/NDF:4508266.6/42

All: 445.422+/-0.046 χ^2/NDF: 8207038.9/80

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -767.728+/-407.093 χ^2/NDF:21.4/23

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: -527.114+/-294.438 χ^2/NDF: 49.7/45

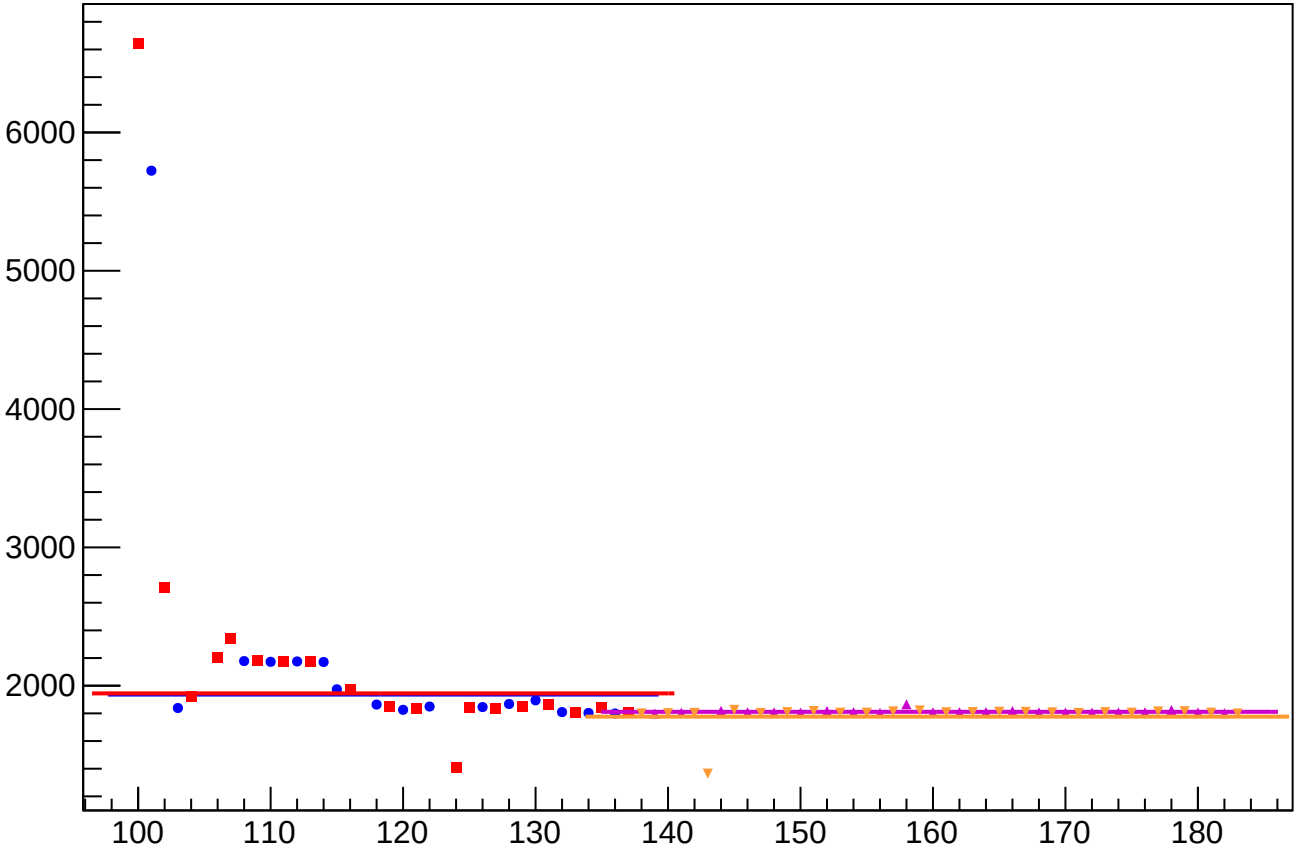
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -252.420+/-368.922 χ^2/NDF:44.7/37

Out: -708.405+/-354.961 χ^2/NDF:37.1/42

All: -489.204+/-255.788 χ^2/NDF: 82.5/80

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1776.419+/-0.288 χ^2/NDF:161210.5/23

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1811.256+/-0.301 χ^2/NDF:1945.3/21

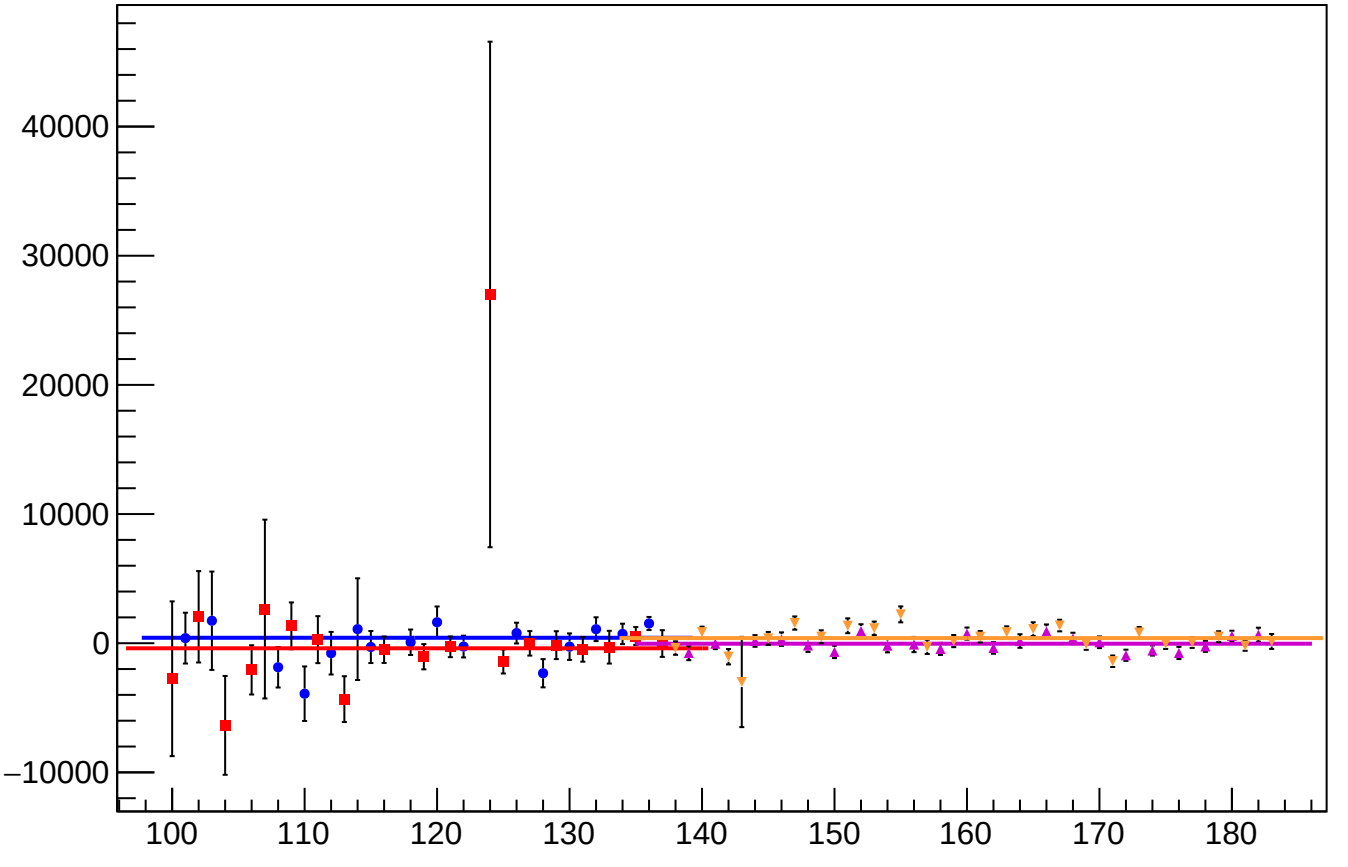
Left: 1793.032+/-0.208 χ^2/NDF: 170140.3/45

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1842.601+/-0.261 χ^2/NDF:684762.1/37

Out: 1816.710+/-0.251 χ^2/NDF:519160.8/42

All: 1829.157+/-0.181 χ^2/NDF: 1209038.1/80



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 396.461+/-99.629 χ^2/NDF:60.5/23

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -38.895+/-100.868 χ^2/NDF:28.3/21

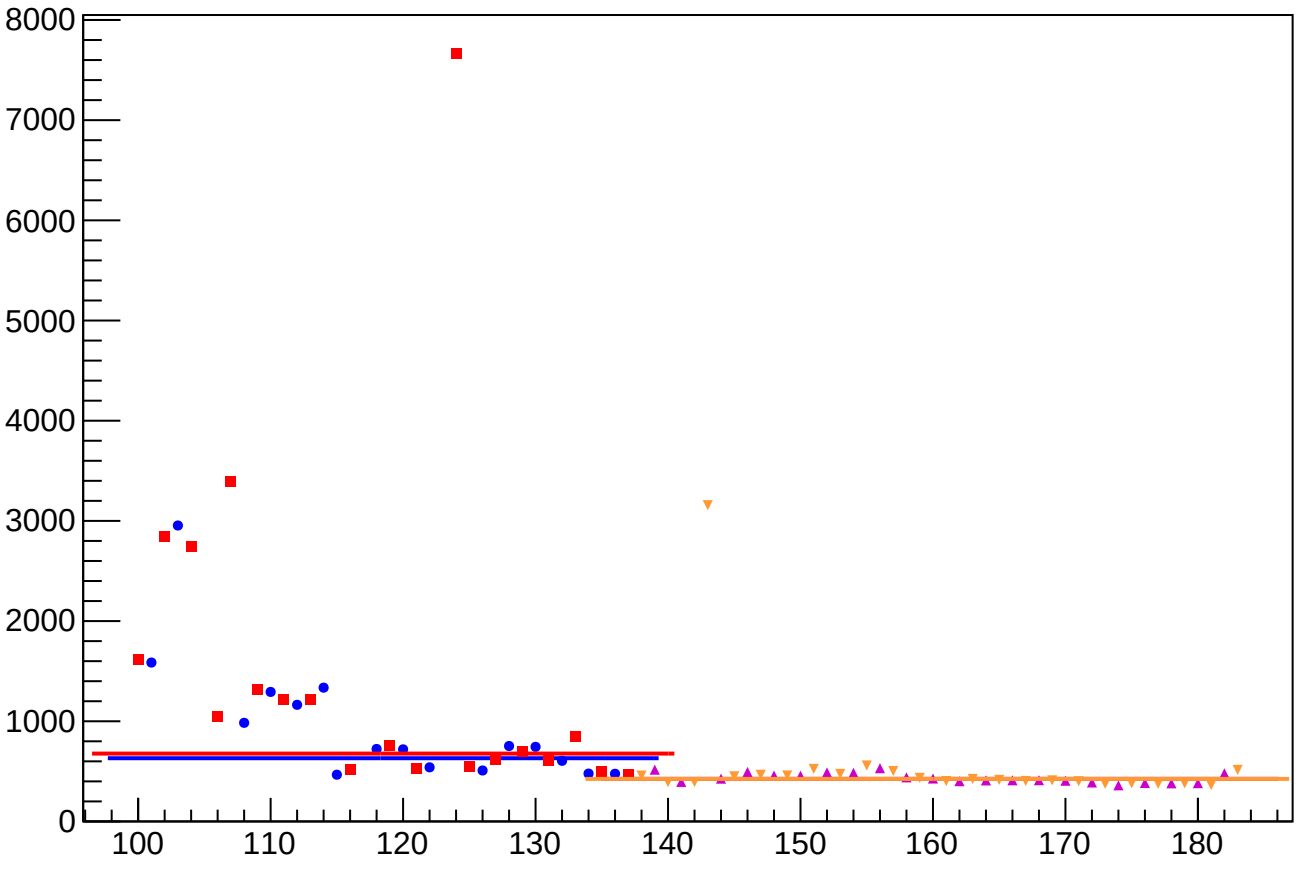
Left: 181.474+/-70.882 χ^2/NDF: 98.2/45

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 22.615+/-93.883 χ^2/NDF:52.6/37

Out: 307.429+/-93.848 χ^2/NDF:83.4/42

All: 165.076+/-66.373 χ^2/NDF: 140.6/80



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 424.785+/-0.070 χ^2/NDF:1700127.1/23

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 425.250+/-0.071 χ^2/NDF:402251.3/21

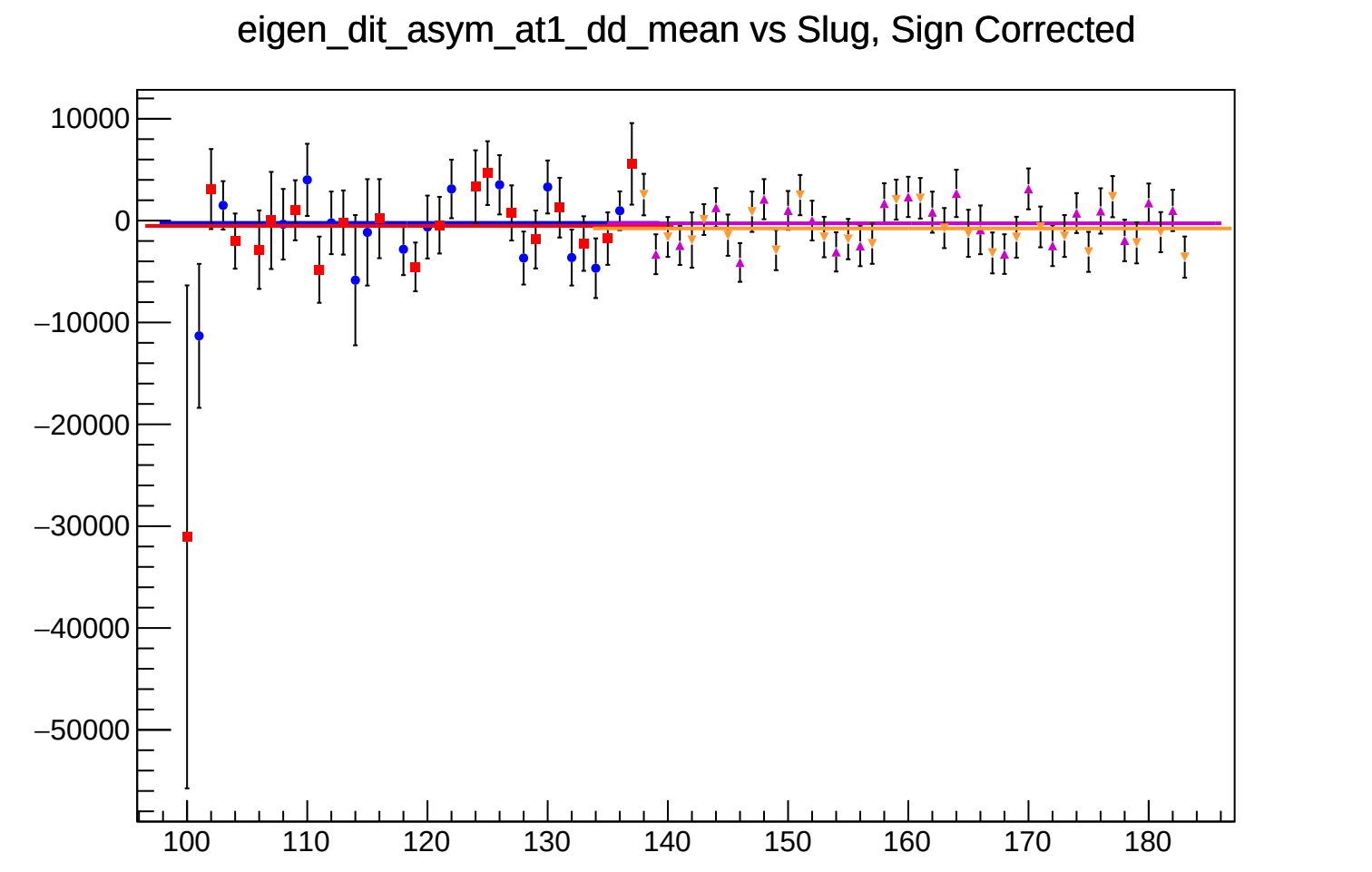
Left: 425.015+/-0.050 χ^2/NDF: 2102400.0/45

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 452.779+/-0.066 χ^2/NDF:3750884.9/37

Out: 453.257+/-0.066 χ^2/NDF:6231121.5/42

All: 453.018+/-0.047 χ^2/NDF: 9982032.3/80



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -767.729+/-407.093 χ^2/NDF:21.4/23

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: -527.114+/-294.438 χ^2/NDF: 49.7/45

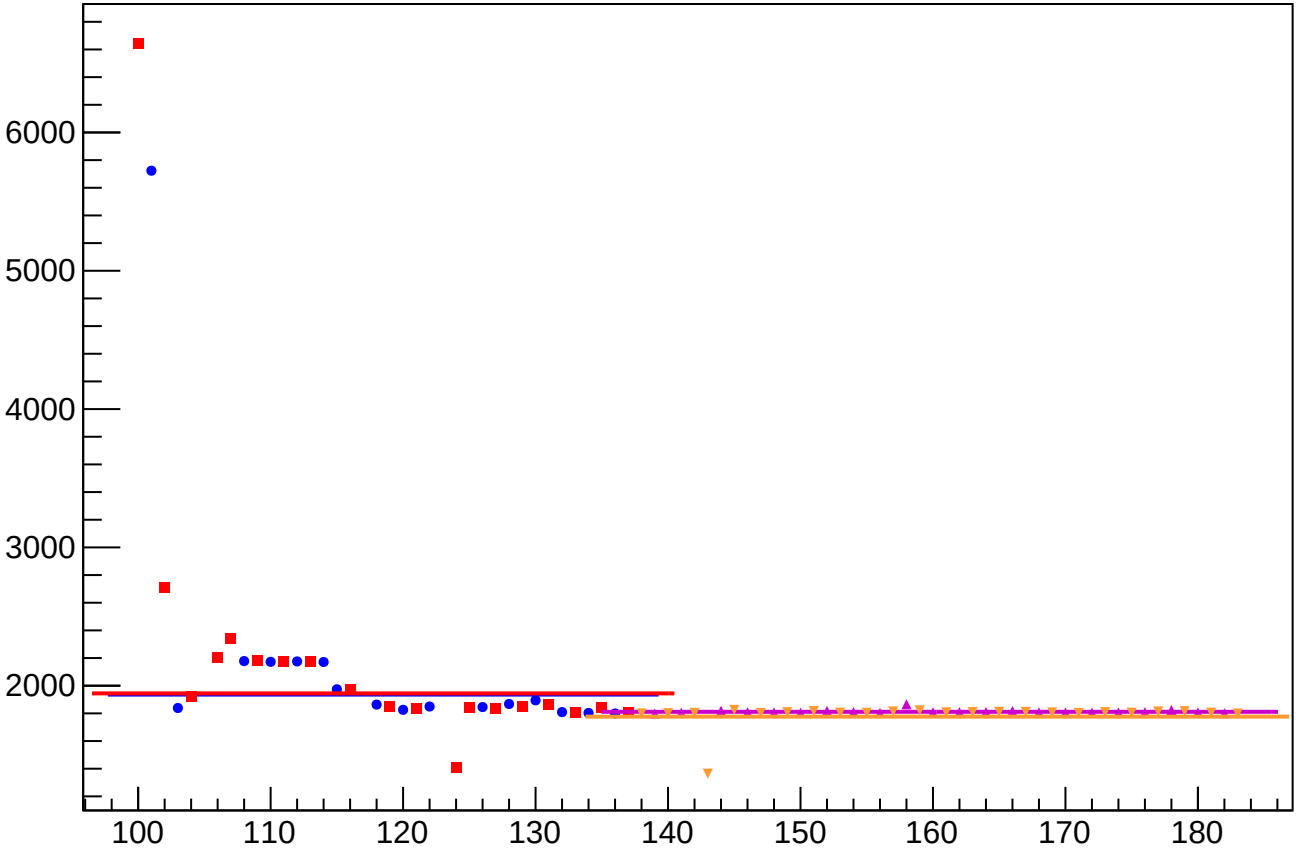
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -252.420+/-368.922 χ^2/NDF:44.7/37

Out: -708.406+/-354.961 χ^2/NDF:37.1/42

All: -489.204+/-255.788 χ^2/NDF: 82.5/80

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1776.419+/-0.288 χ^2/NDF:161210.5/23

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1811.256+/-0.301 χ^2/NDF:1945.3/21

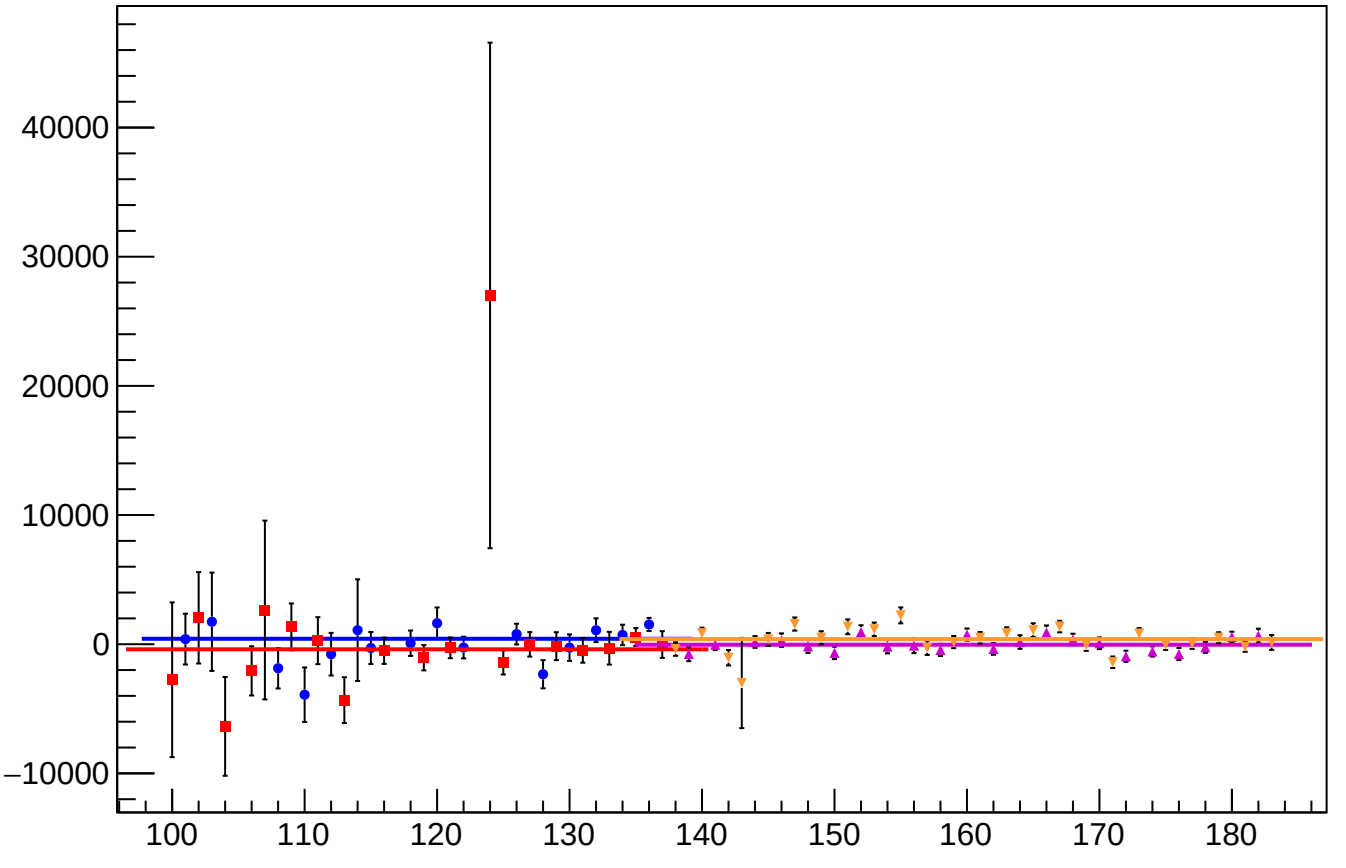
Left: 1793.032+/-0.208 χ^2/NDF: 170140.3/45

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1842.601+/-0.261 χ^2/NDF:684762.1/37

Out: 1816.710+/-0.251 χ^2/NDF:519160.5/42

All: 1829.157+/-0.181 χ^2/NDF: 1209037.8/80



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 396.461+/-99.629 χ^2/NDF:60.5/23

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: 181.474+/-70.882 χ^2/NDF: 98.2/45

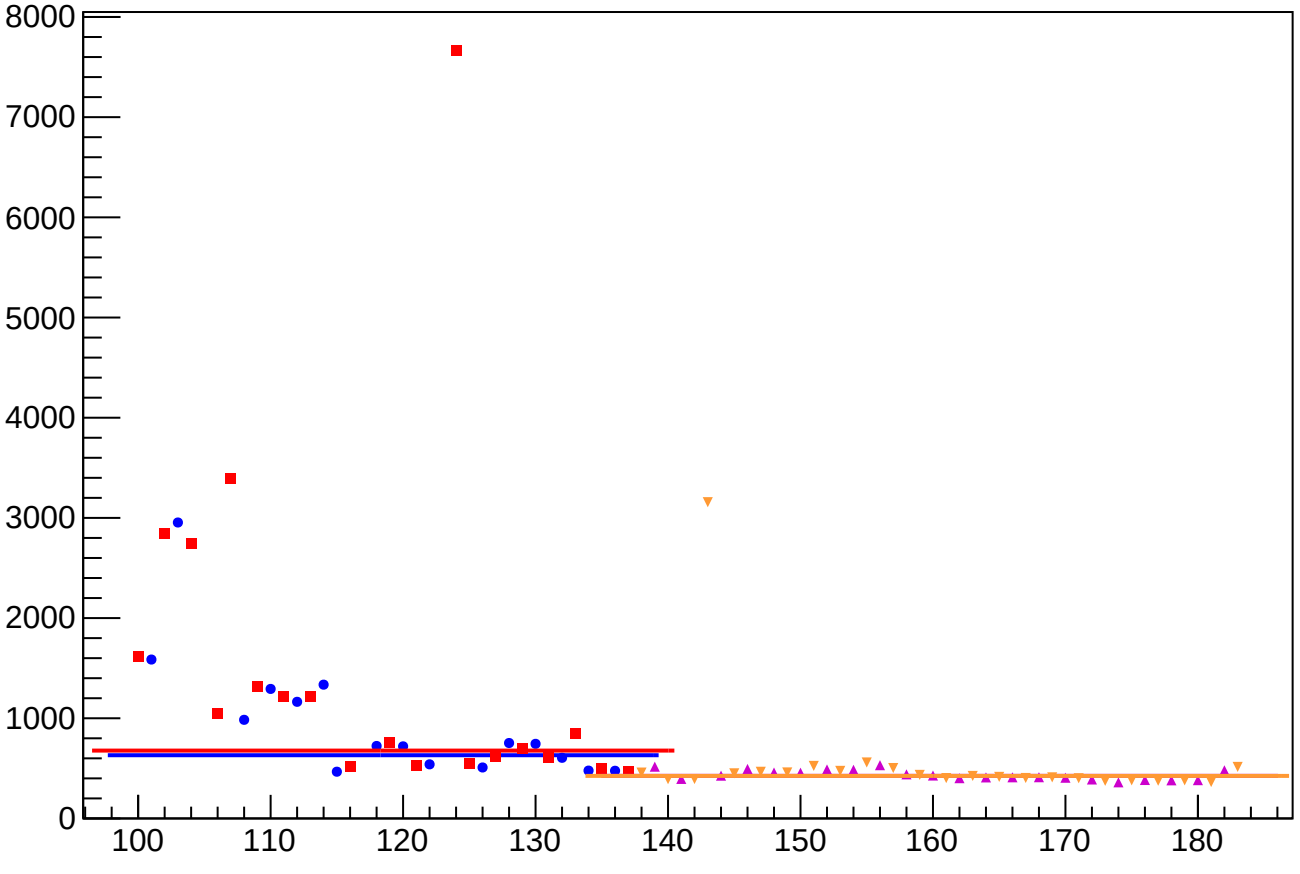
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 22.616+/-93.883 χ^2/NDF:52.6/37

Out: 307.429+/-93.848 χ^2/NDF:83.4/42

All: 165.076+/-66.373 χ^2/NDF: 140.6/80

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: 424.785+/-0.070 χ^2/NDF:1700129.7/23

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: 425.014+/-0.050 χ^2/NDF: 2102405.9/45

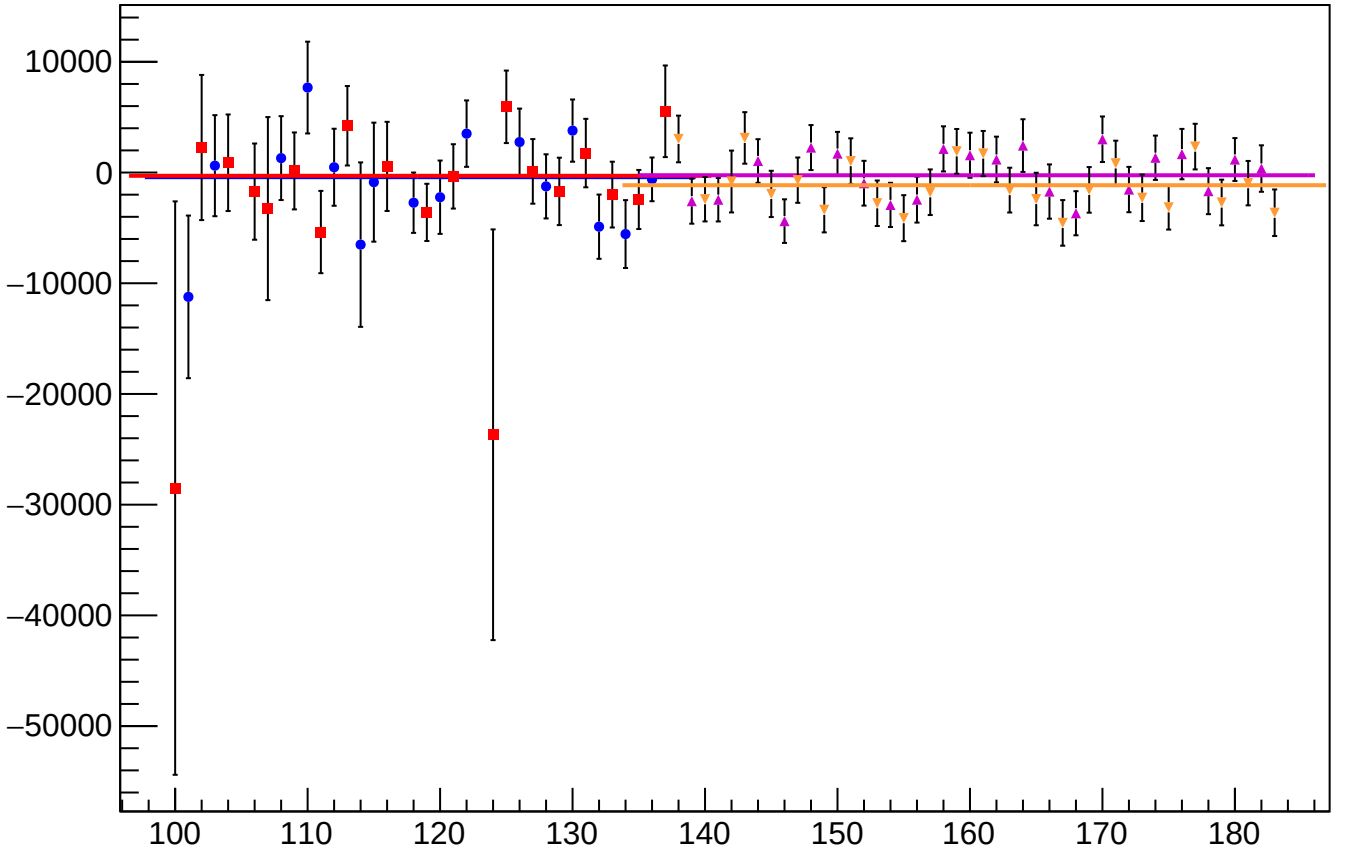
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 452.779+/-0.066 χ^2/NDF:3750887.7/37

Out: 453.256+/-0.066 χ^2/NDF:6231126.3/42

All: 453.018+/-0.047 χ^2/NDF: 9982039.8/80

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1144.804+/-427.528 χ^2/NDF:27.4/23

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: -707.258+/-306.114 χ^2/NDF: 55.1/45

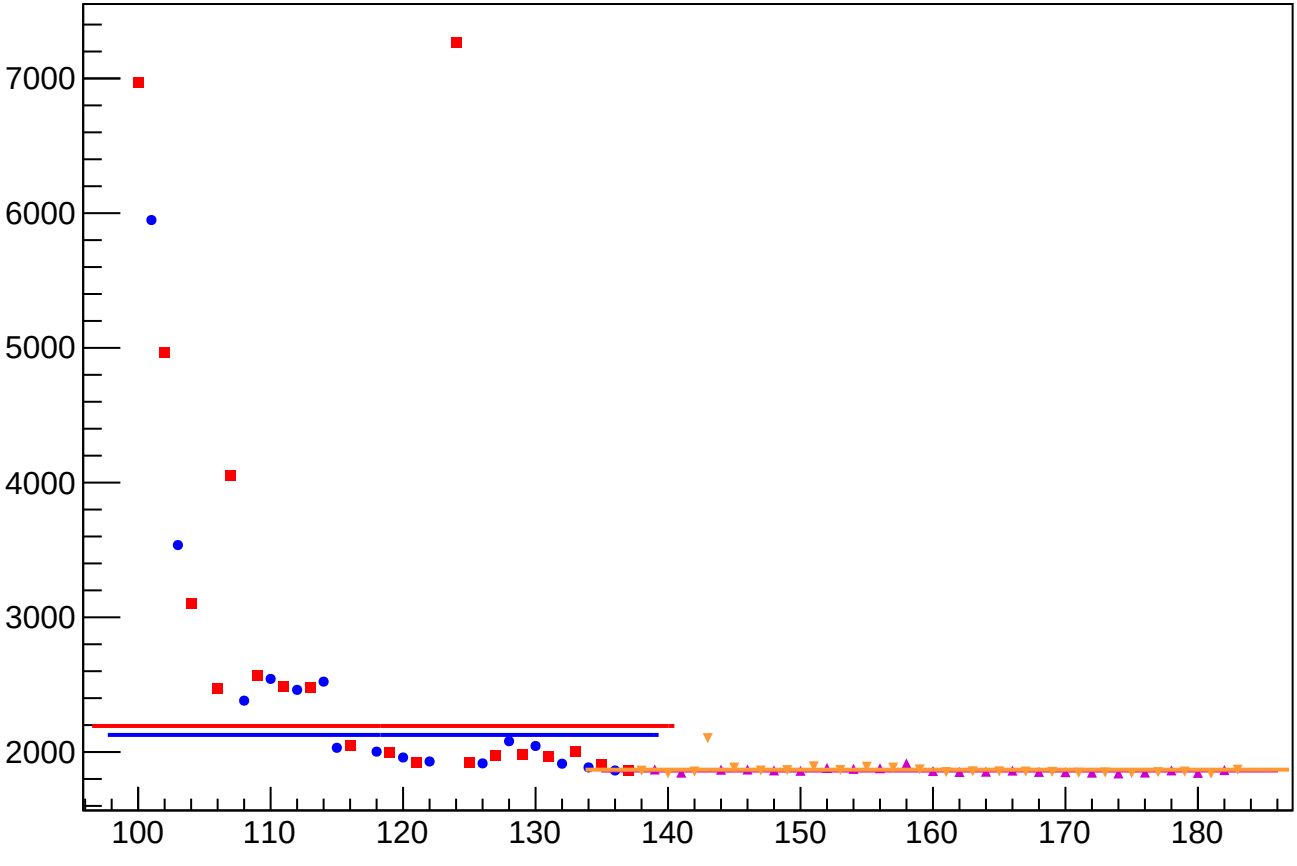
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -285.255+/-386.196 χ^2/NDF:43.9/37

Out: -967.057+/-380.224 χ^2/NDF:43.9/42

All: -631.468+/-270.946 χ^2/NDF: 89.4/80

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1868.972+/-0.302 χ^2/NDF:23313.9/23

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1862.752+/-0.310 χ^2/NDF:2710.8/21

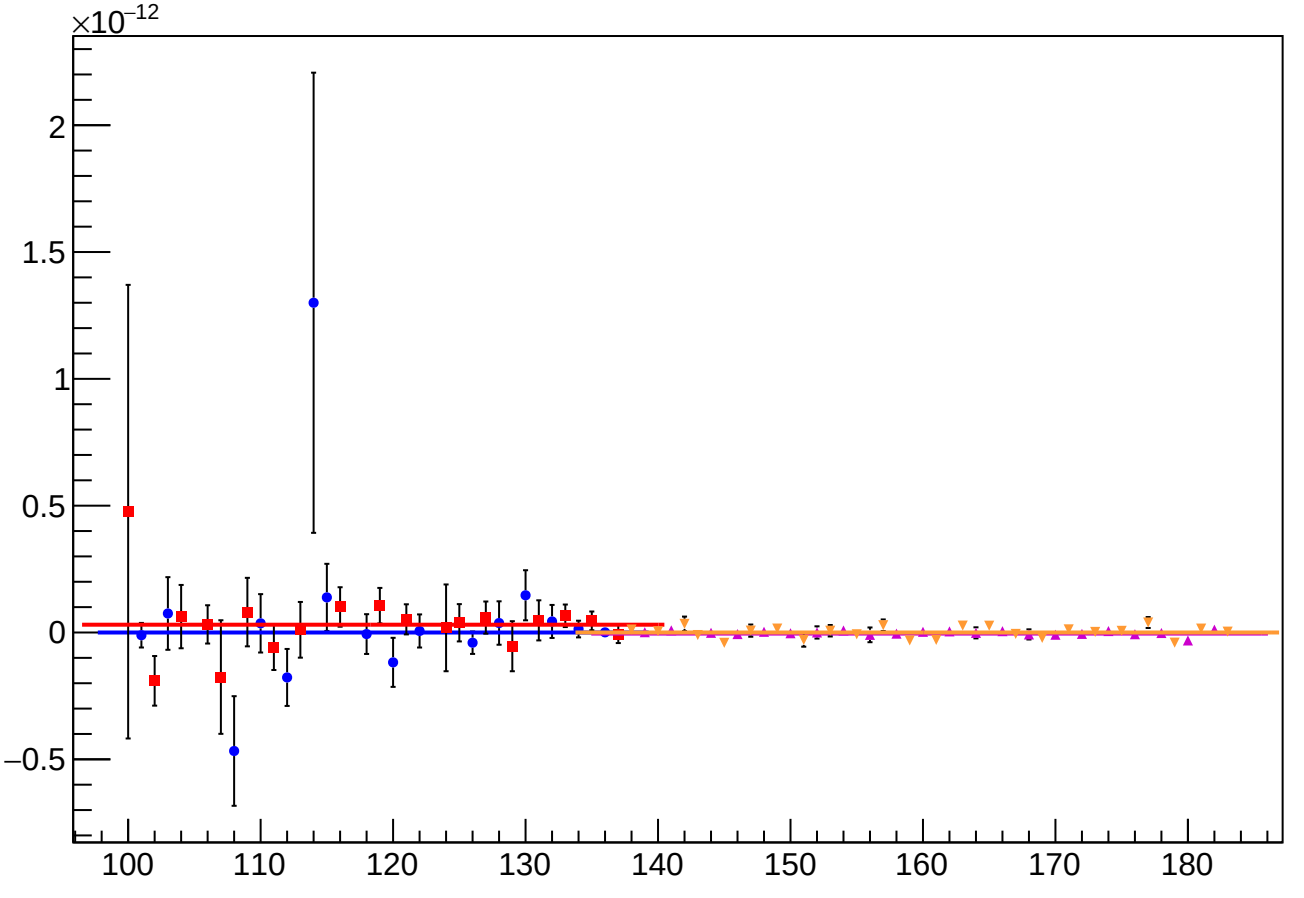
Left: 1865.941+/-0.216 χ^2/NDF: 26231.0/45

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1922.043+/-0.273 χ^2/NDF:1040775.0/37

Out: 1936.826+/-0.269 χ^2/NDF:1206890.5/42

All: 1929.550+/-0.192 χ^2/NDF: 2249153.5/80



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:15.4/21

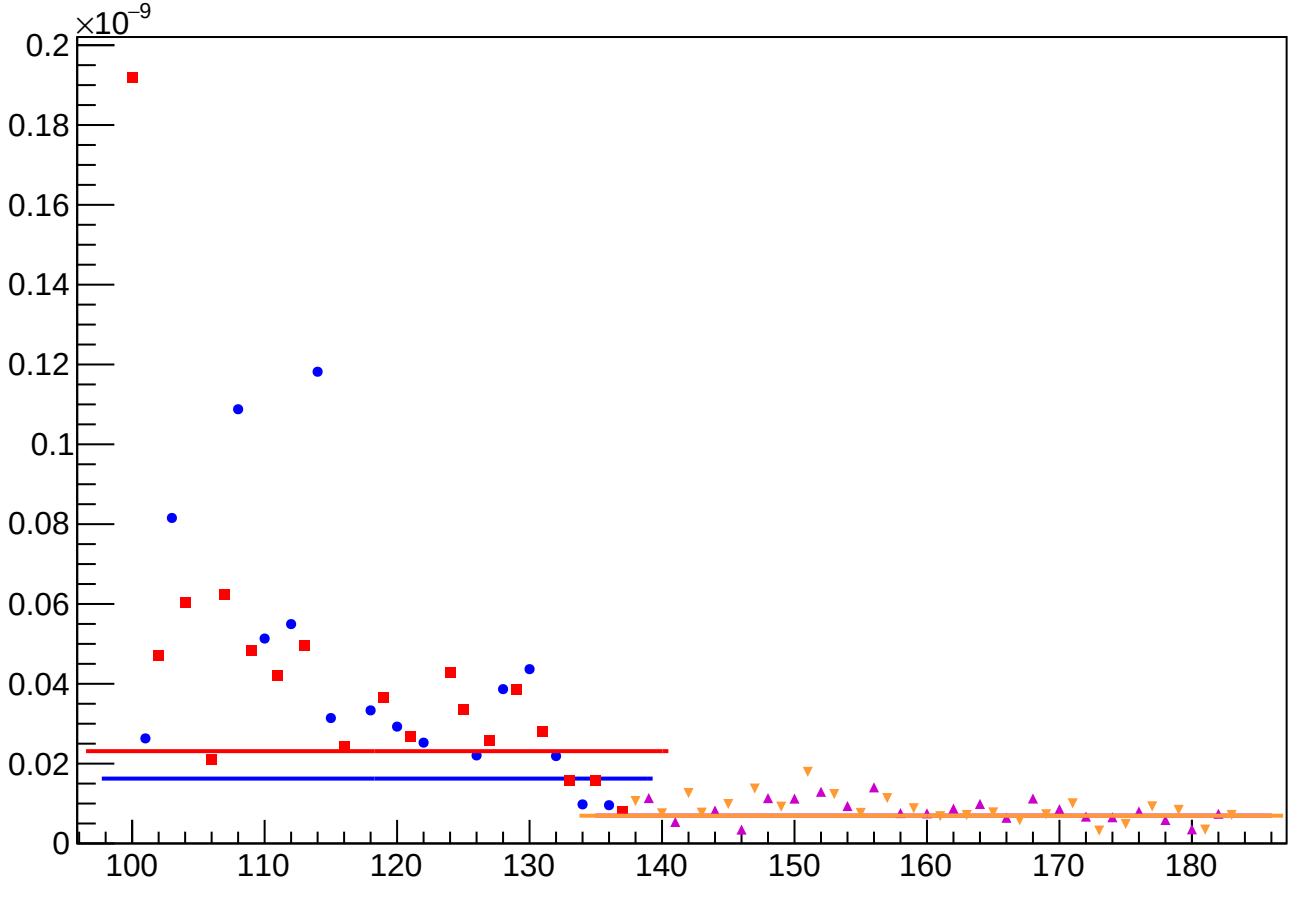
Left: -0.000+/-0.000 χ^2/NDF: 57.4/45

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:57.1/42

All: -0.000+/-0.000 χ^2/NDF: 90.2/80



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1806593.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1447216.6/21

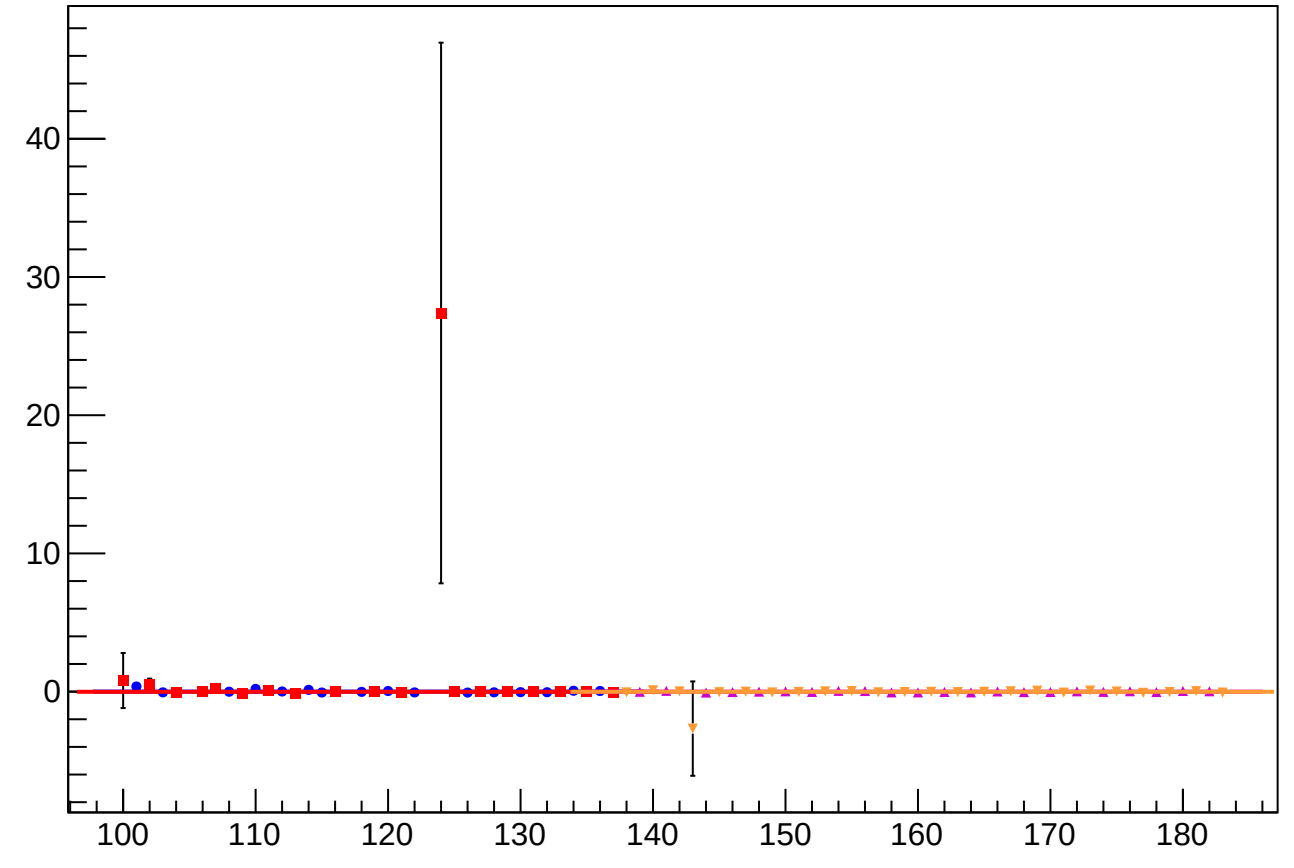
Left: 0.000+/-0.000 χ^2/NDF: 3253957.9/45

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:5262421.4/42

All: 0.000+/-0.000 χ^2/NDF: 10140635.1/80



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.008 χ^2/NDF:39.0/23

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: -0.007+/-0.006 χ^2/NDF: 60.1/45

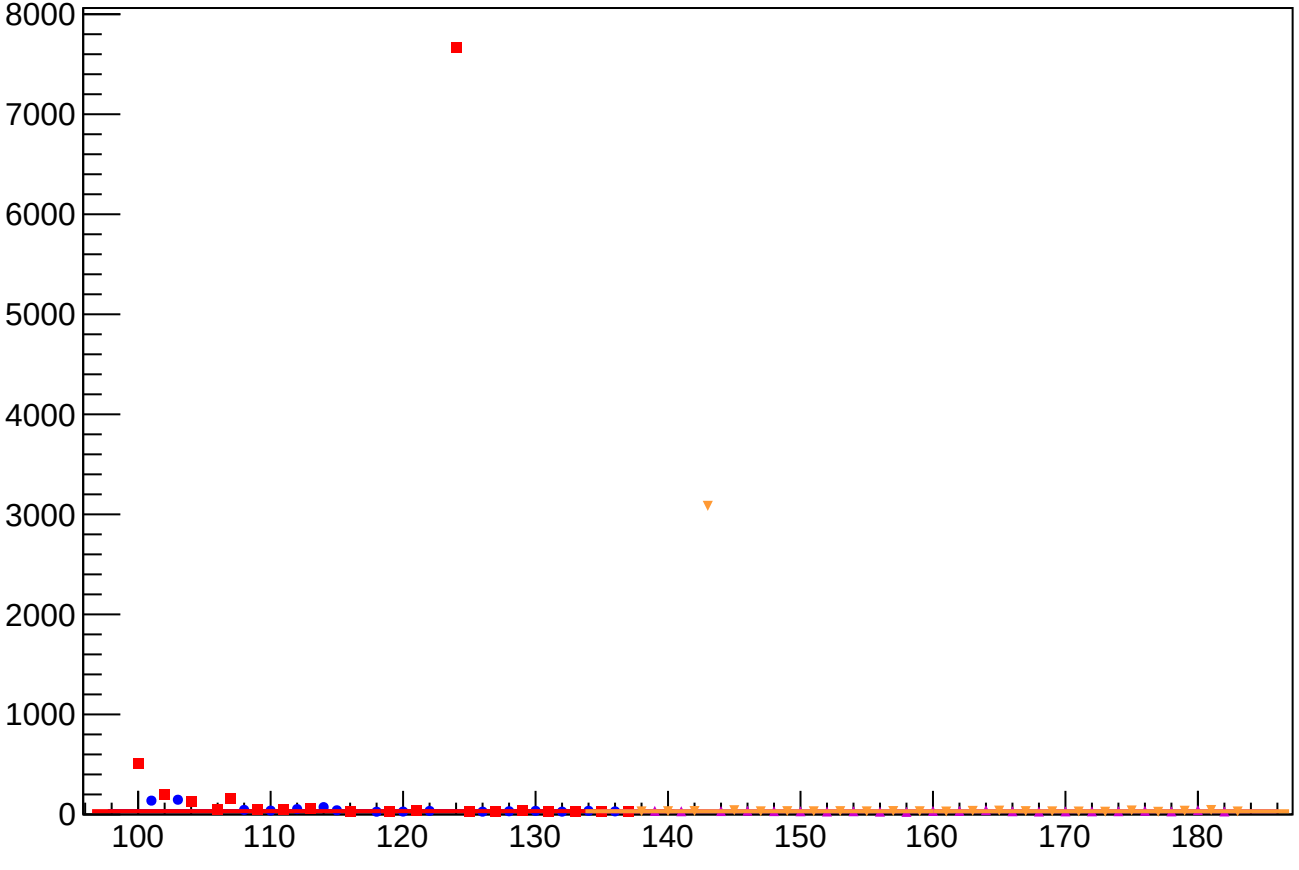
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.007 χ^2/NDF:41.9/37

Out: -0.011+/-0.007 χ^2/NDF:53.2/42

All: -0.006+/-0.005 χ^2/NDF: 95.8/80

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.158+/-0.006 χ^2/NDF:2056292.9/23

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: 32.364+/-0.004 χ^2/NDF: 2456918.0/45

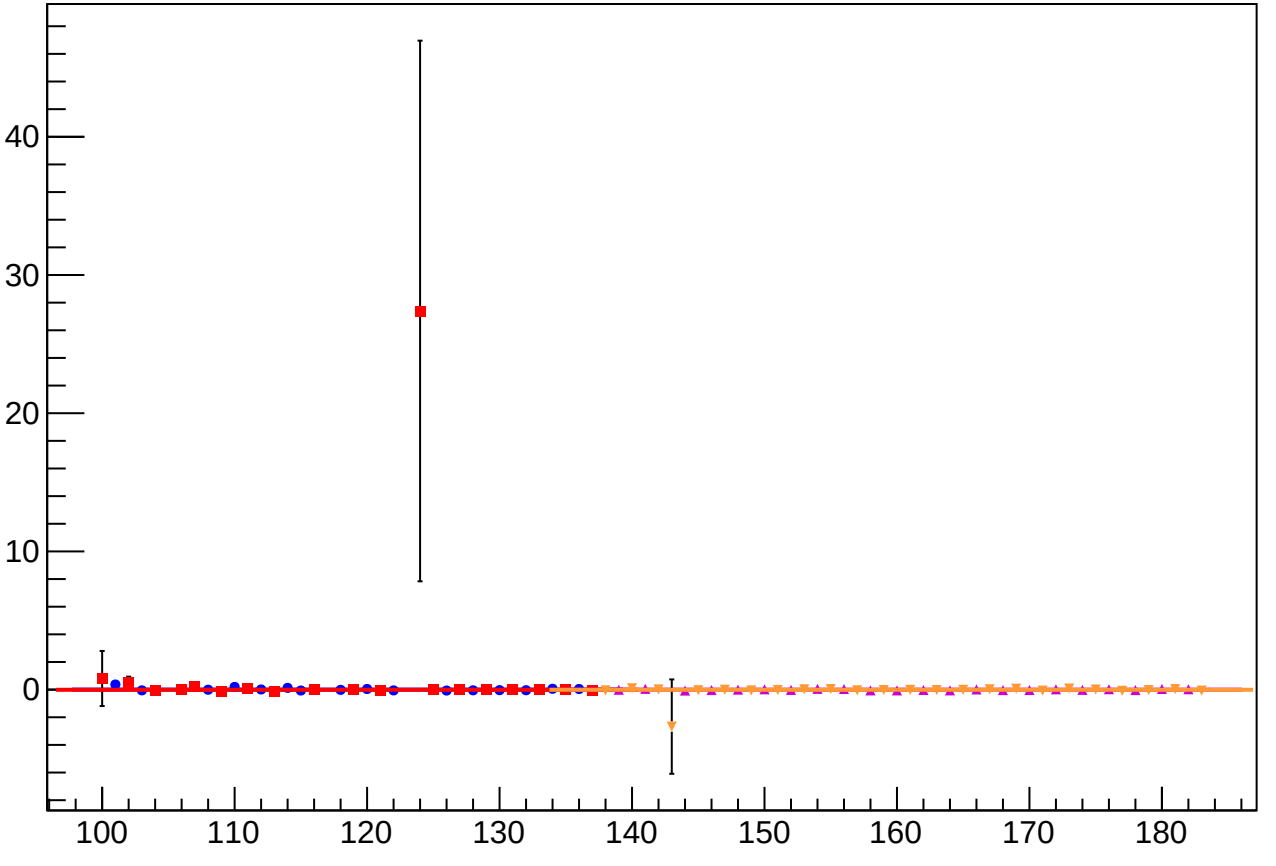
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.938+/-0.005 χ^2/NDF:2130551.0/37

Out: 32.376+/-0.005 χ^2/NDF:4137342.3/42

All: 32.654+/-0.004 χ^2/NDF: 6273877.4/80

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: -0.010+/-0.008 χ^2/NDF:39.0/23

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: -0.007+/-0.006 χ^2/NDF: 60.1/45

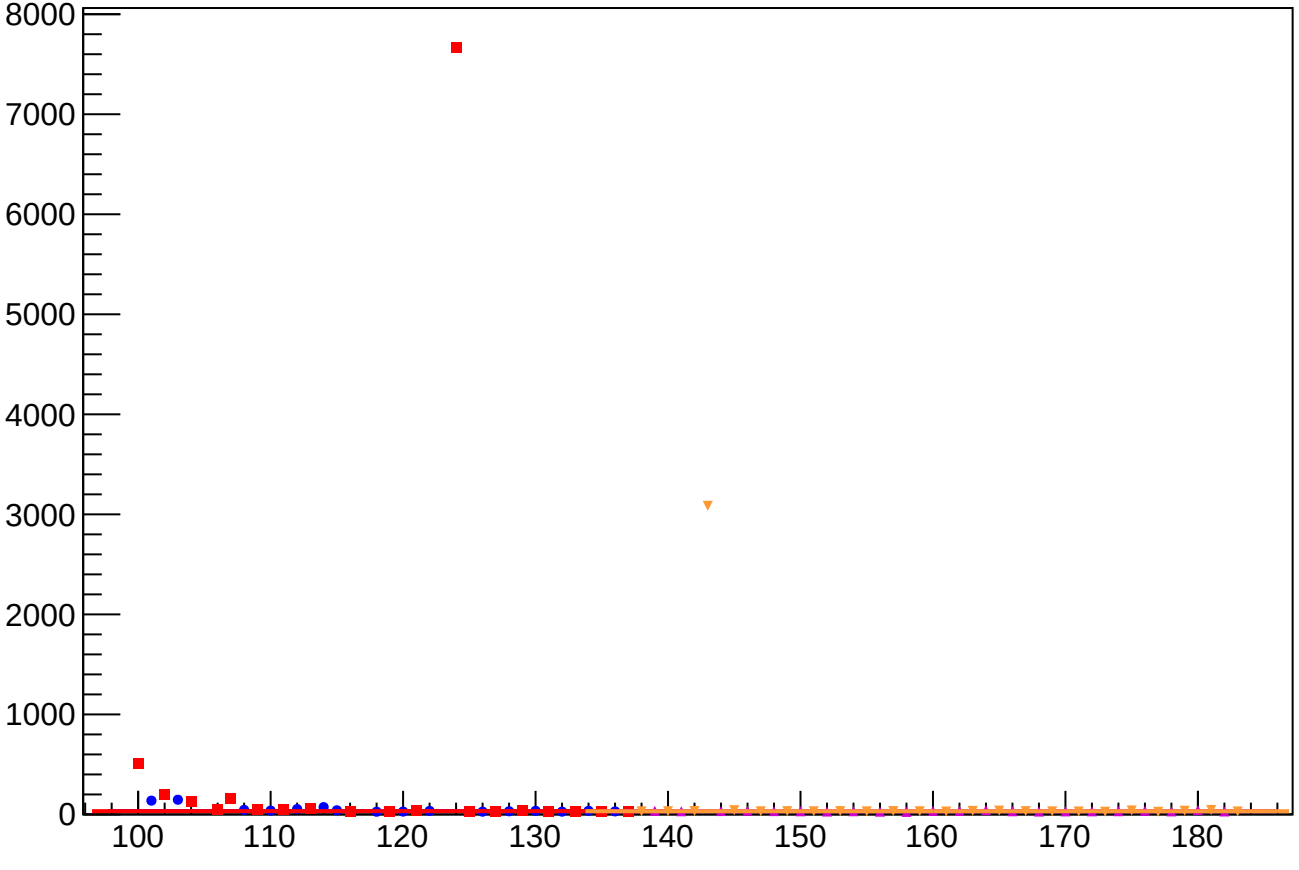
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.007 χ^2/NDF:41.9/37

Out: -0.011+/-0.007 χ^2/NDF:53.2/42

All: -0.006+/-0.005 χ^2/NDF: 95.8/80

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: 32.158+/-0.006 χ^2/NDF:2056292.9/23

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.576+/-0.006 χ^2/NDF:398100.8/21

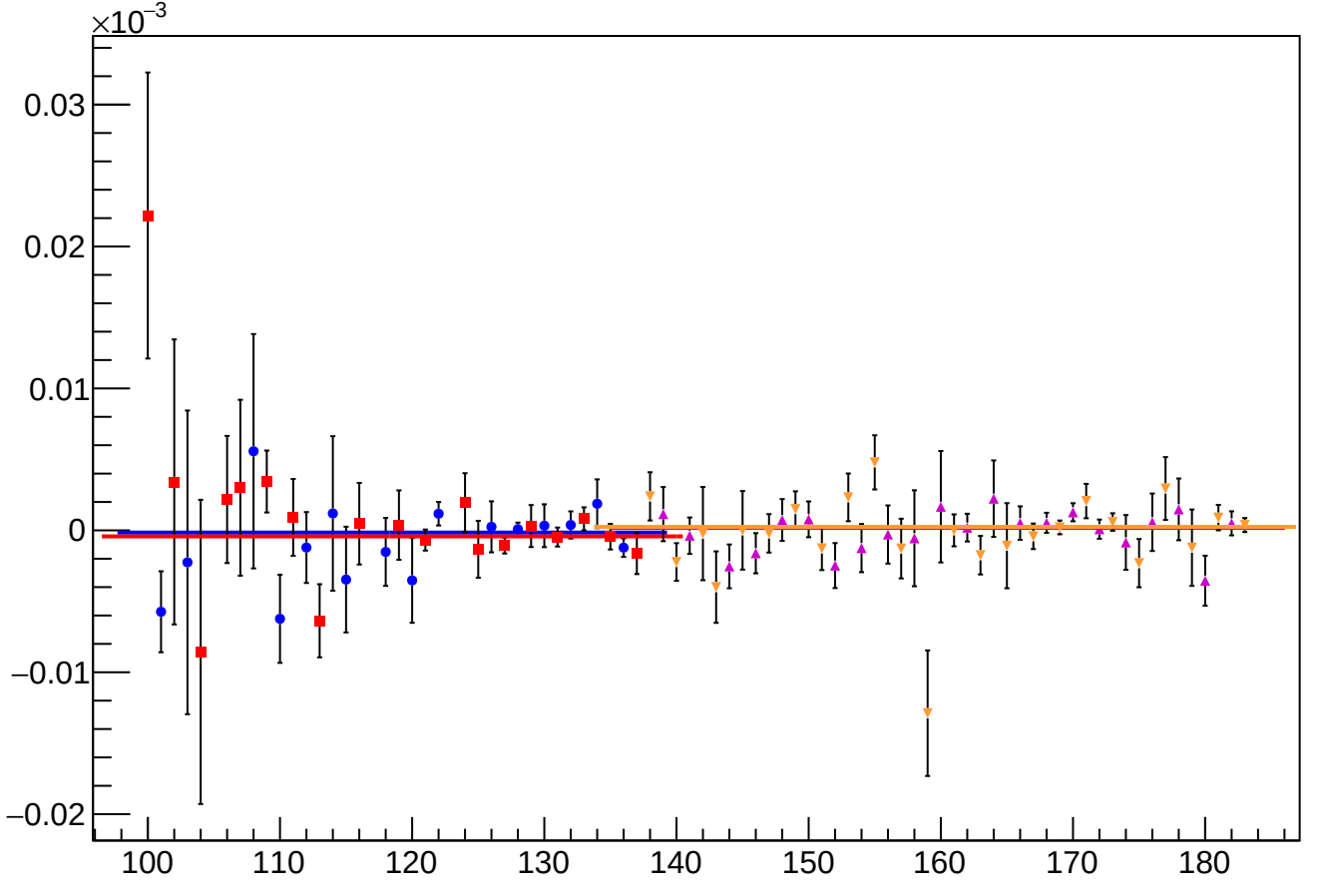
Left: 32.364+/-0.004 χ^2/NDF: 2456918.0/45

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.938+/-0.005 χ^2/NDF:2130551.0/37

Out: 32.376+/-0.005 χ^2/NDF:4137342.3/42

All: 32.654+/-0.004 χ^2/NDF: 6273877.4/80



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/21

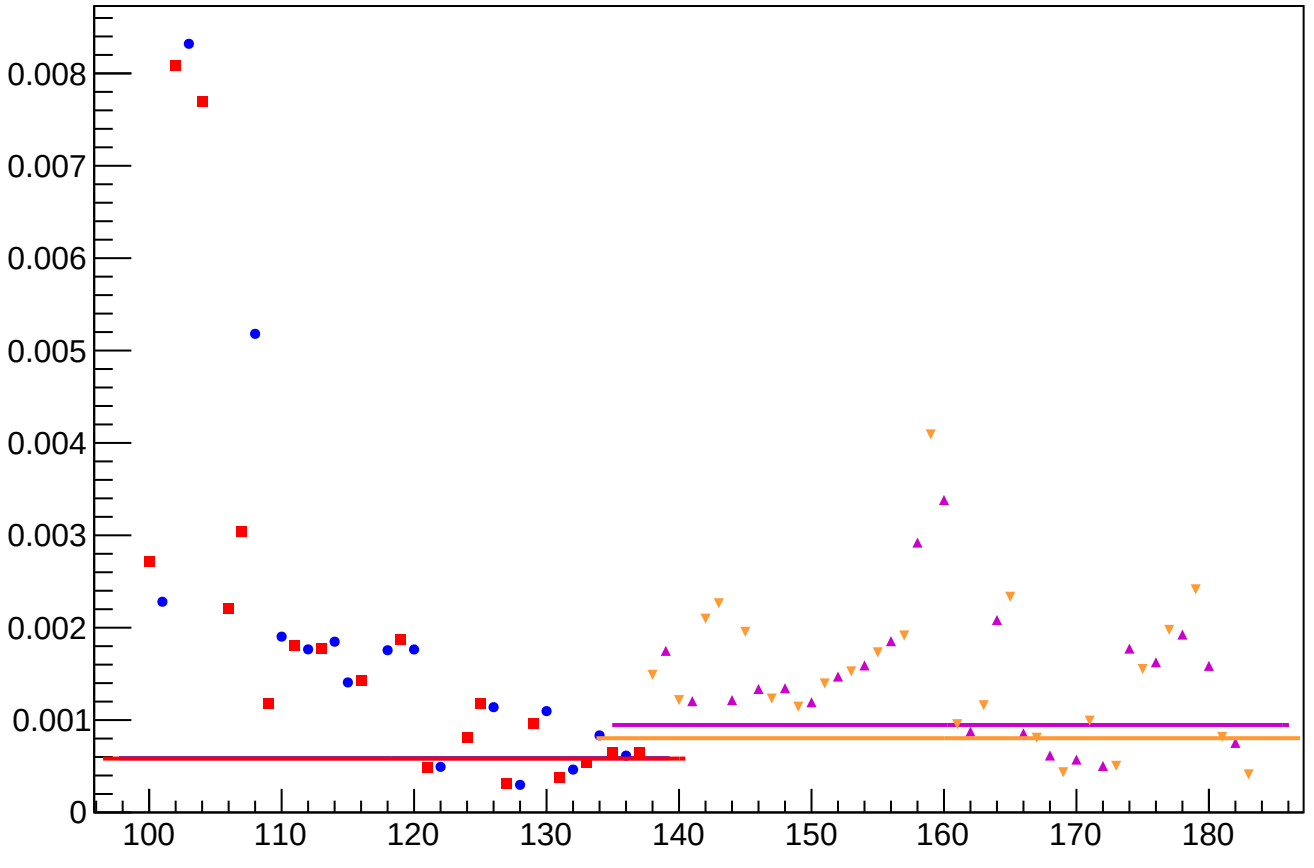
Left: 0.000+/-0.000 χ^2/NDF: 55.3/45

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:61.8/42

All: 0.000+/-0.000 χ^2/NDF: 99.1/80



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:10301735.4/23

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: 17605689.7/45

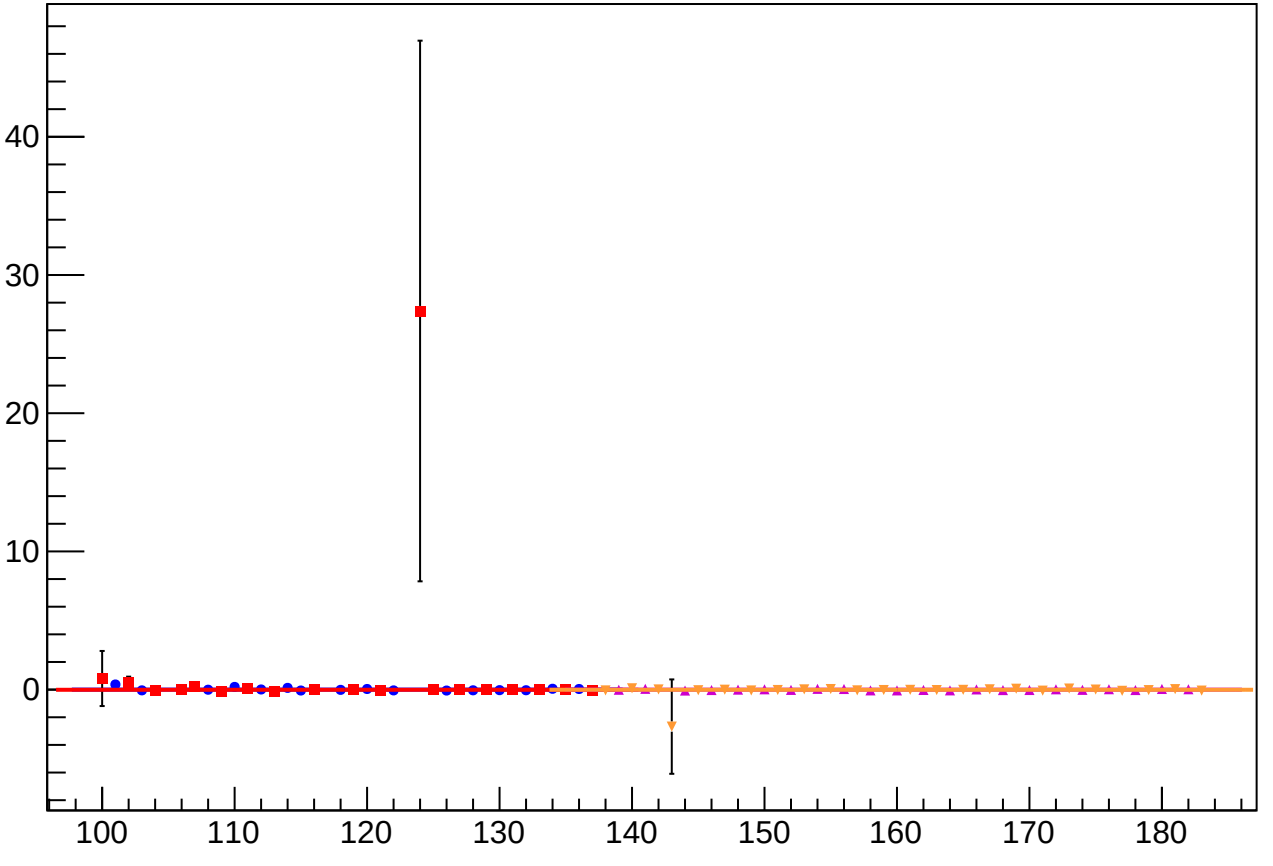
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:14136888.3/37

Out: 0.001+/-0.000 χ^2/NDF:16477703.0/42

All: 0.001+/-0.000 χ^2/NDF: 30757873.7/80

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.008 χ^2/NDF:39.0/23

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: -0.007+/-0.006 χ^2/NDF: 60.1/45

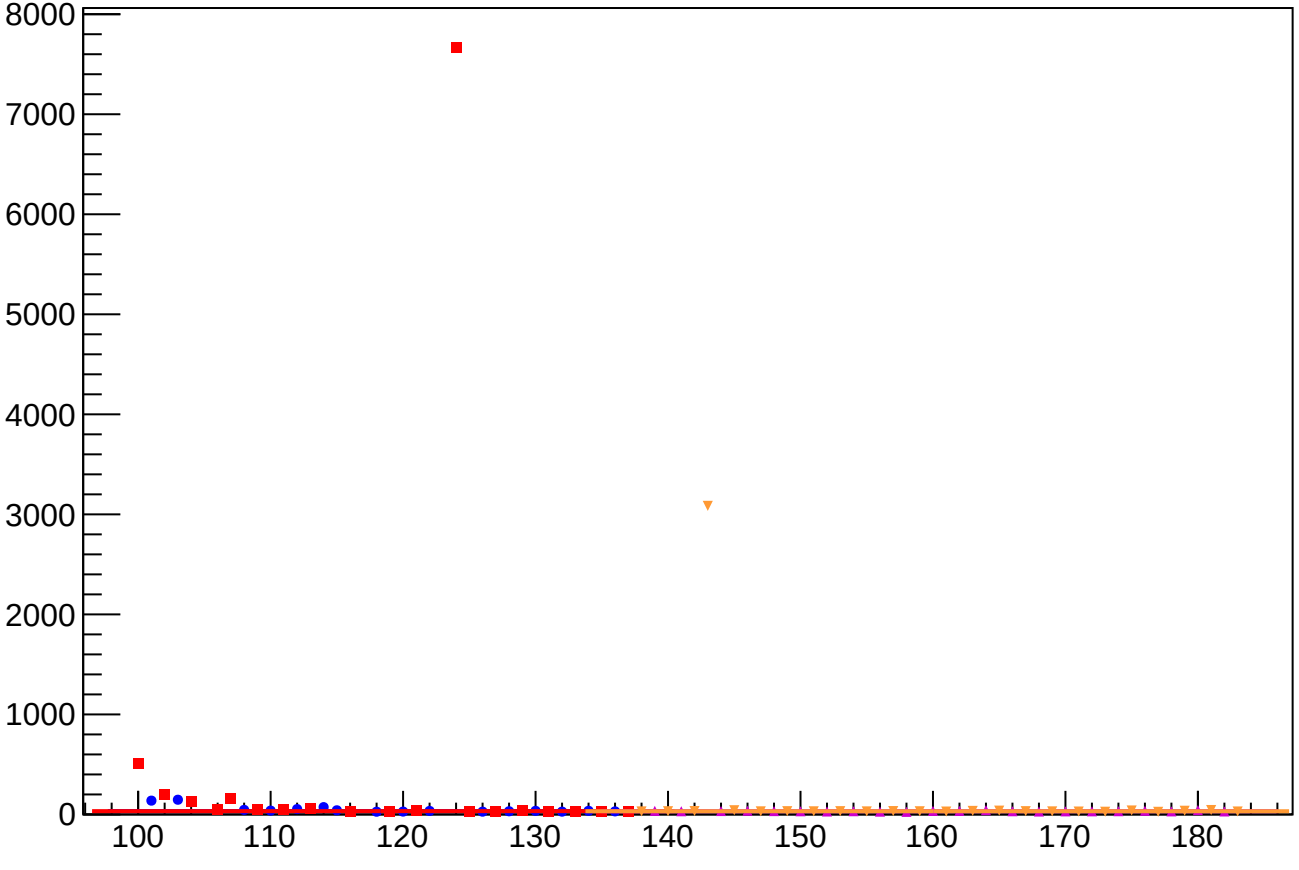
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.007 χ^2/NDF:41.9/37

Out: -0.011+/-0.007 χ^2/NDF:53.2/42

All: -0.006+/-0.005 χ^2/NDF: 95.8/80

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: 32.158+/-0.006 χ^2/NDF:2056334.7/23

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: 32.364+/-0.004 χ^2/NDF: 2456877.6/45

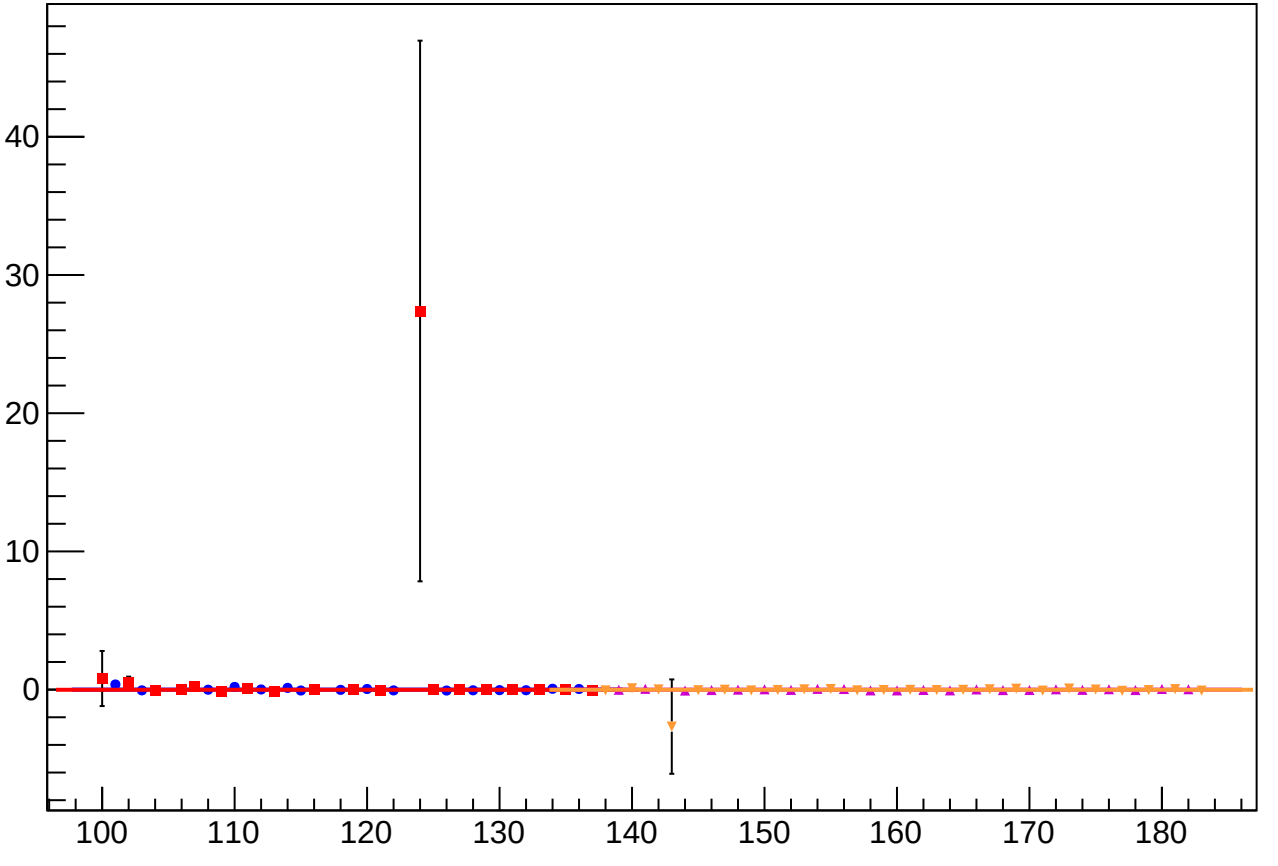
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.938+/-0.005 χ^2/NDF:2130448.5/37

Out: 32.376+/-0.005 χ^2/NDF:4137365.1/42

All: 32.654+/-0.004 χ^2/NDF: 6273803.7/80

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: -0.010+/-0.008 χ^2/NDF:39.0/23

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: -0.007+/-0.006 χ^2/NDF: 60.1/45

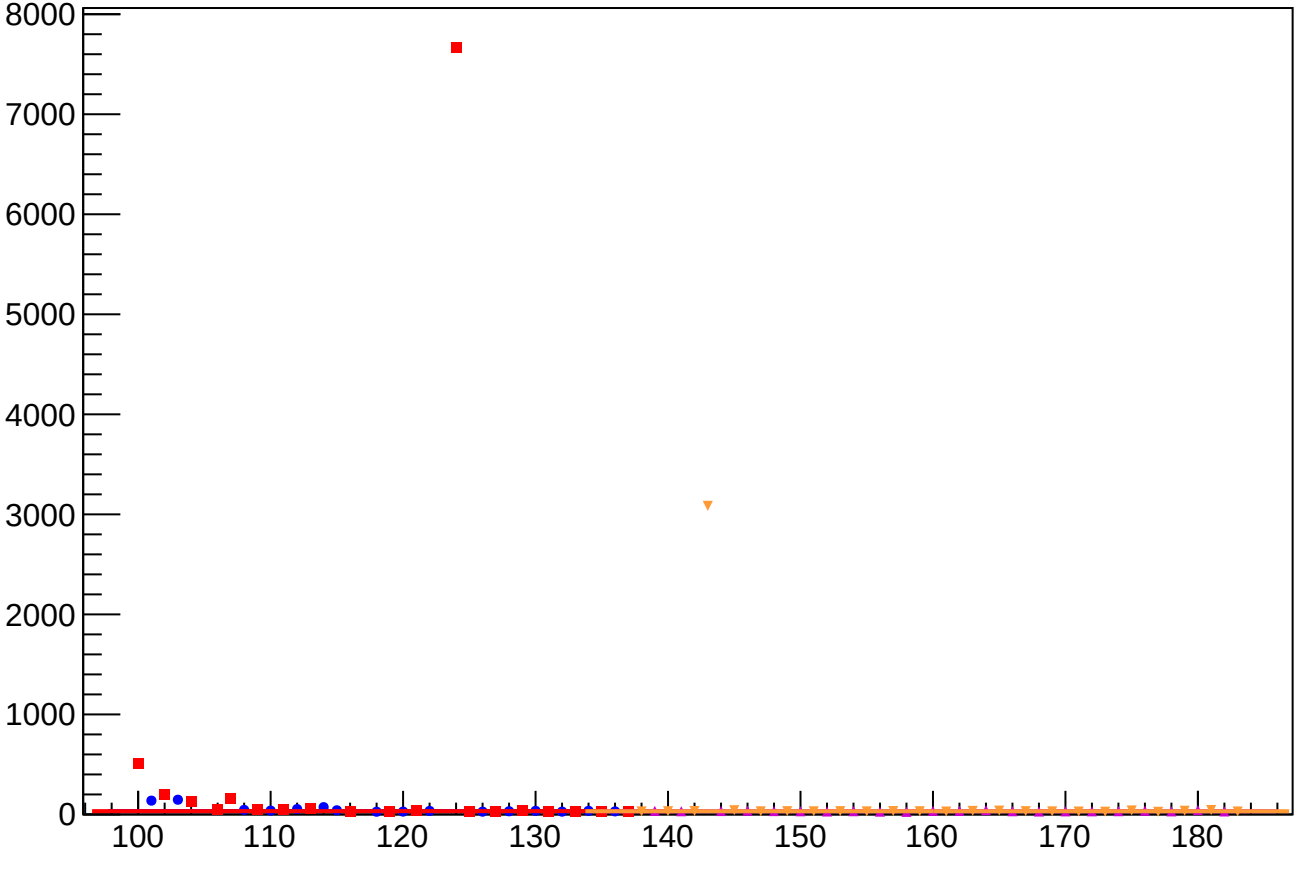
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.007 χ^2/NDF:41.9/37

Out: -0.011+/-0.007 χ^2/NDF:53.2/42

All: -0.006+/-0.005 χ^2/NDF: 95.8/80

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: 32.158+/-0.006 χ^2/NDF:2056334.7/23

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.577+/-0.006 χ^2/NDF:398014.5/21

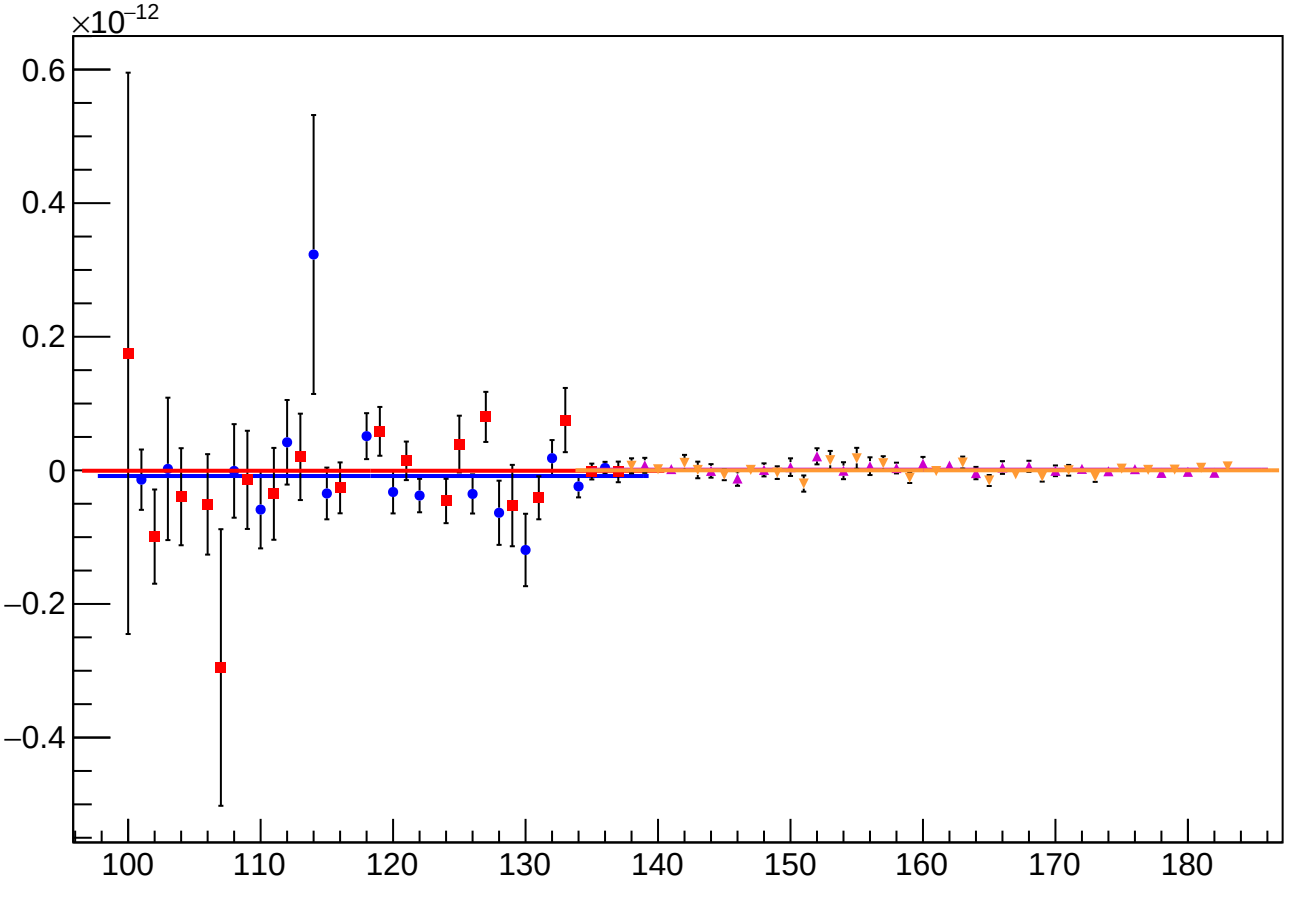
Left: 32.364+/-0.004 χ^2/NDF: 2456877.6/45

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.938+/-0.005 χ^2/NDF:2130448.5/37

Out: 32.376+/-0.005 χ^2/NDF:4137365.1/42

All: 32.654+/-0.004 χ^2/NDF: 6273803.7/80



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/21

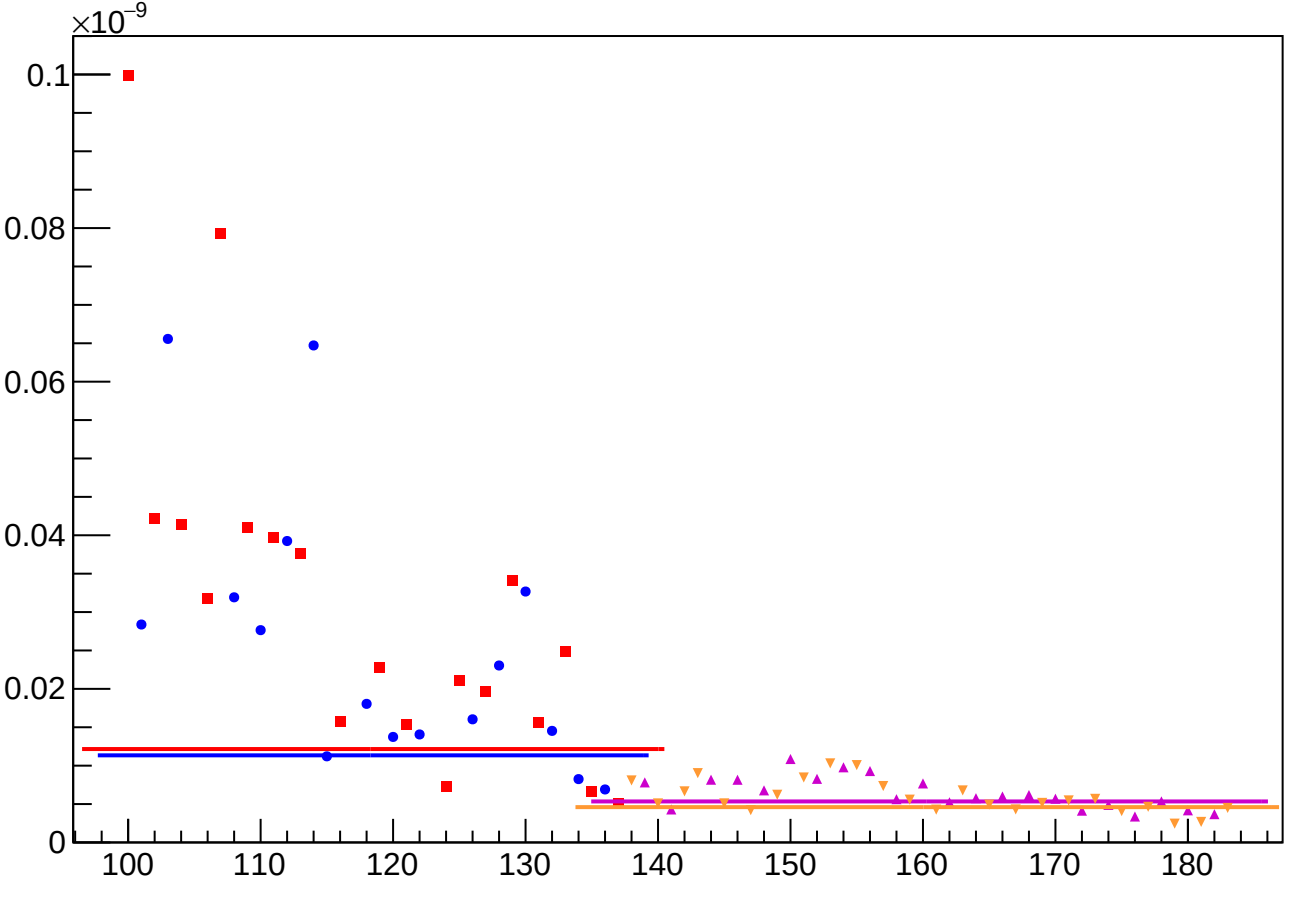
Left: 0.000+/-0.000 χ^2/NDF: 30.4/45

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:41.9/42

All: 0.000+/-0.000 χ^2/NDF: 72.4/80



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2787030.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2185493.4/21

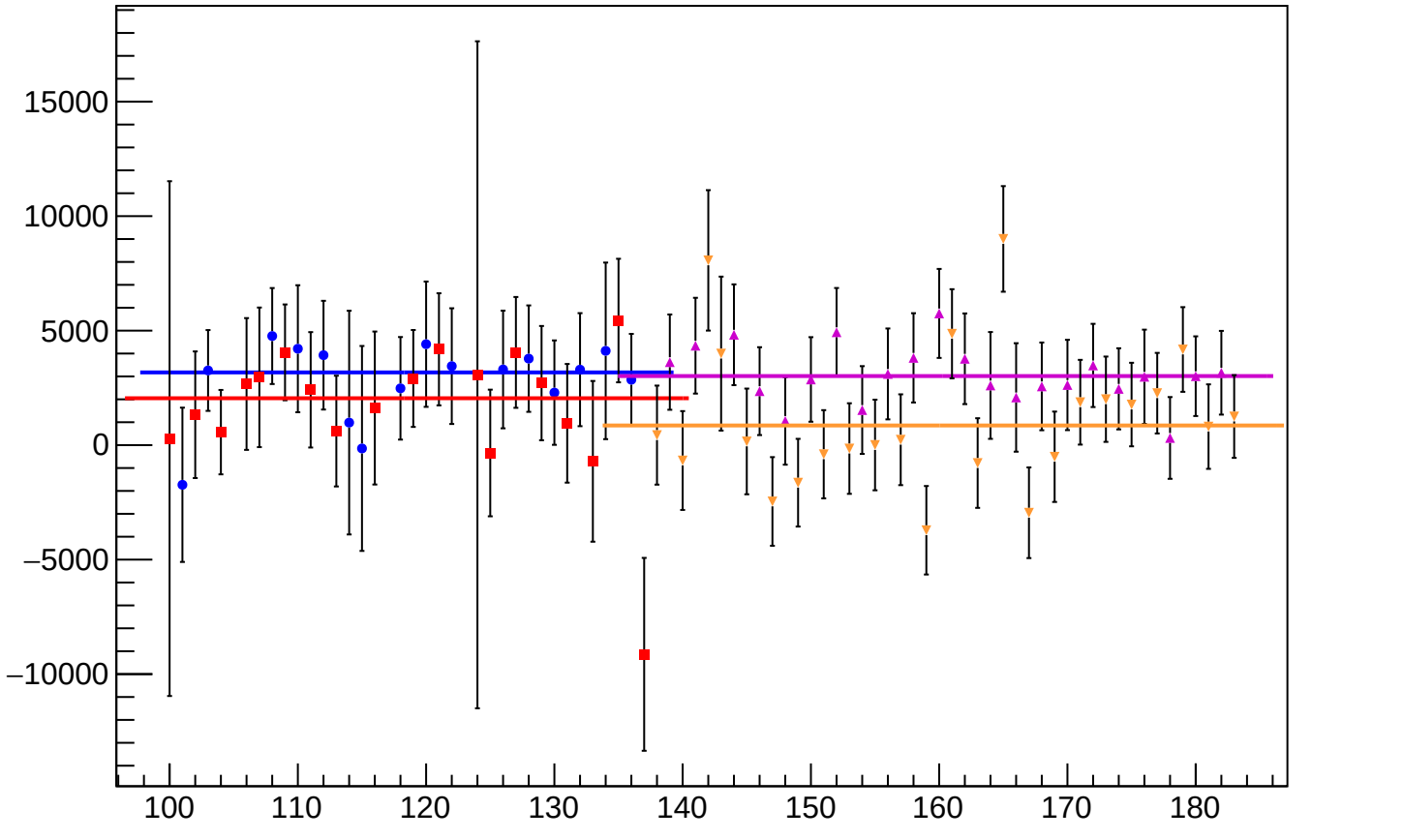
Left: 0.000+/-0.000 χ^2/NDF: 5197183.4/45

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

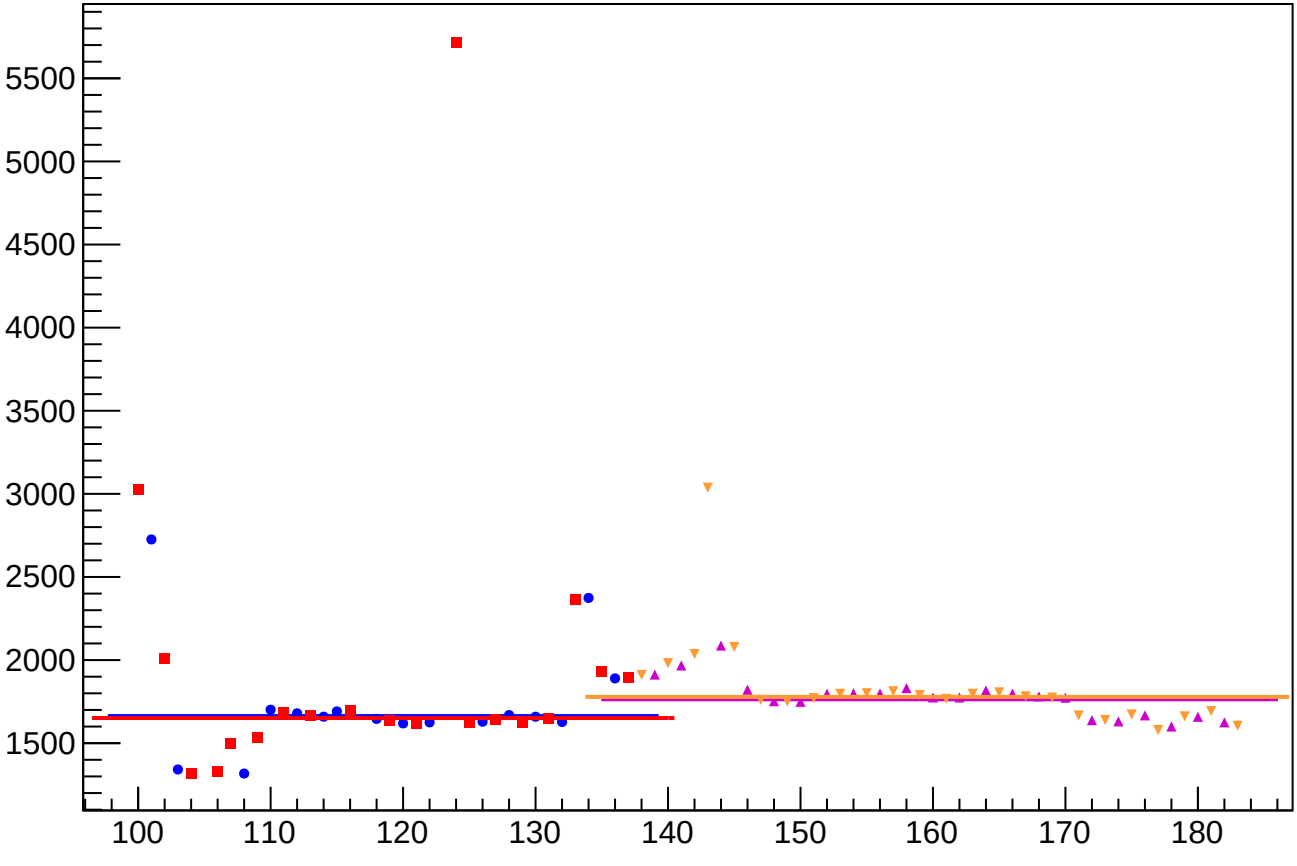
In: 0.000+/-0.000 χ^2/NDF:6647826.9/37

Out: 0.000+/-0.000 χ^2/NDF:8634832.3/42

All: 0.000+/-0.000 χ^2/NDF: 15573490.2/80


reg_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 3175.599+/-627.992 χ²/NDF: 4.3/15
Left Out: 858.166+/-409.120 χ²/NDF:44.7/23
Right Out: 2047.403+/-621.498 χ²/NDF: 14.0/18
Left In: 3016.524+/-416.119 χ²/NDF:9.0/21
Left: 1919.041+/-291.734 χ²/NDF: 67.3/45
Right: 2605.638+/-441.744 χ²/NDF: 20.0/34
In: 3065.058+/-346.879 χ²/NDF:13.3/37
Out: 1217.703+/-341.725 χ²/NDF:61.3/42
All: 2127.556+/-243.438 χ²/NDF: 89.0/80

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1778.450+/-0.289 χ^2/NDF:437408.5/23

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1763.964+/-0.294 χ^2/NDF:141336.2/21

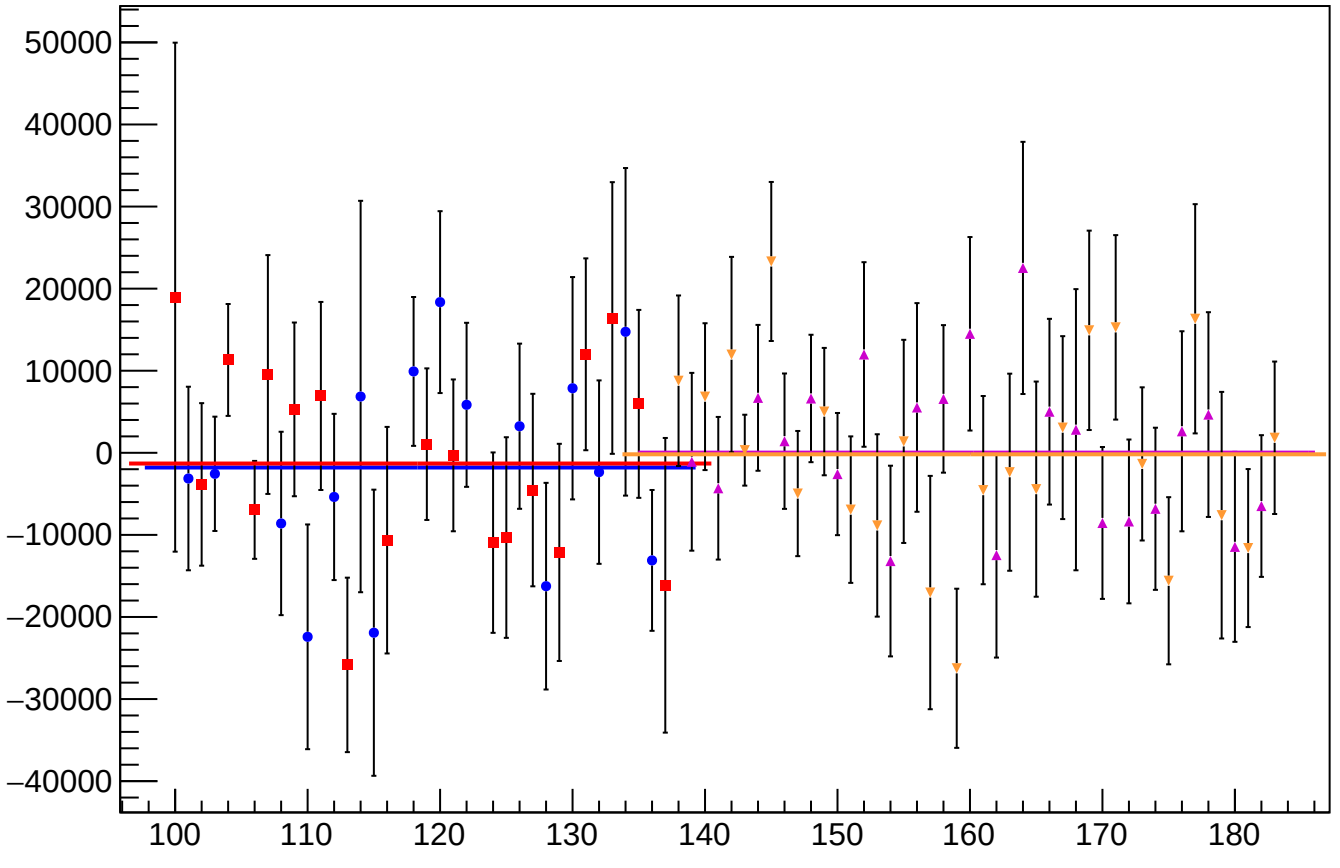
Left: 1771.330+/-0.206 χ^2/NDF: 579977.2/45

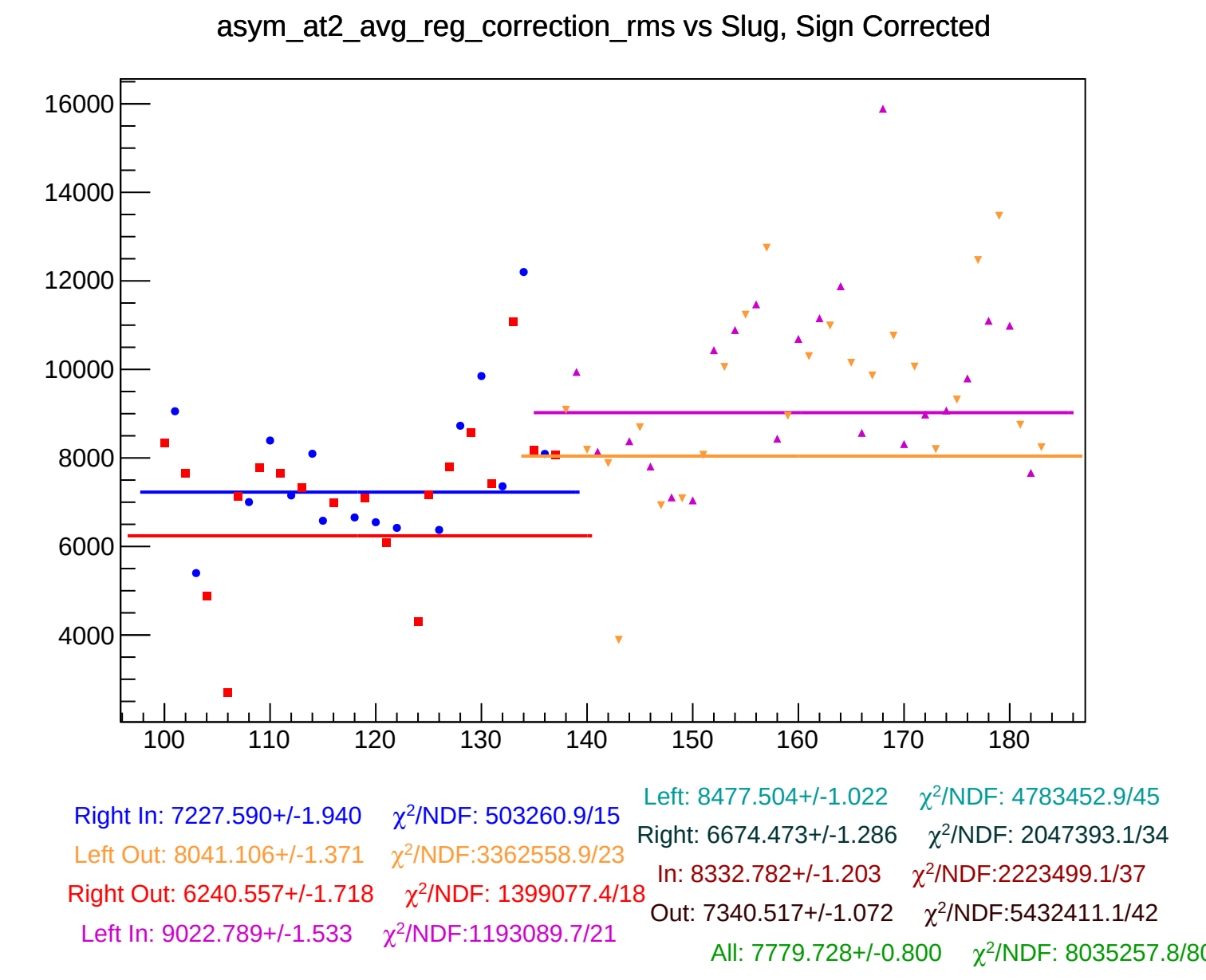
Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

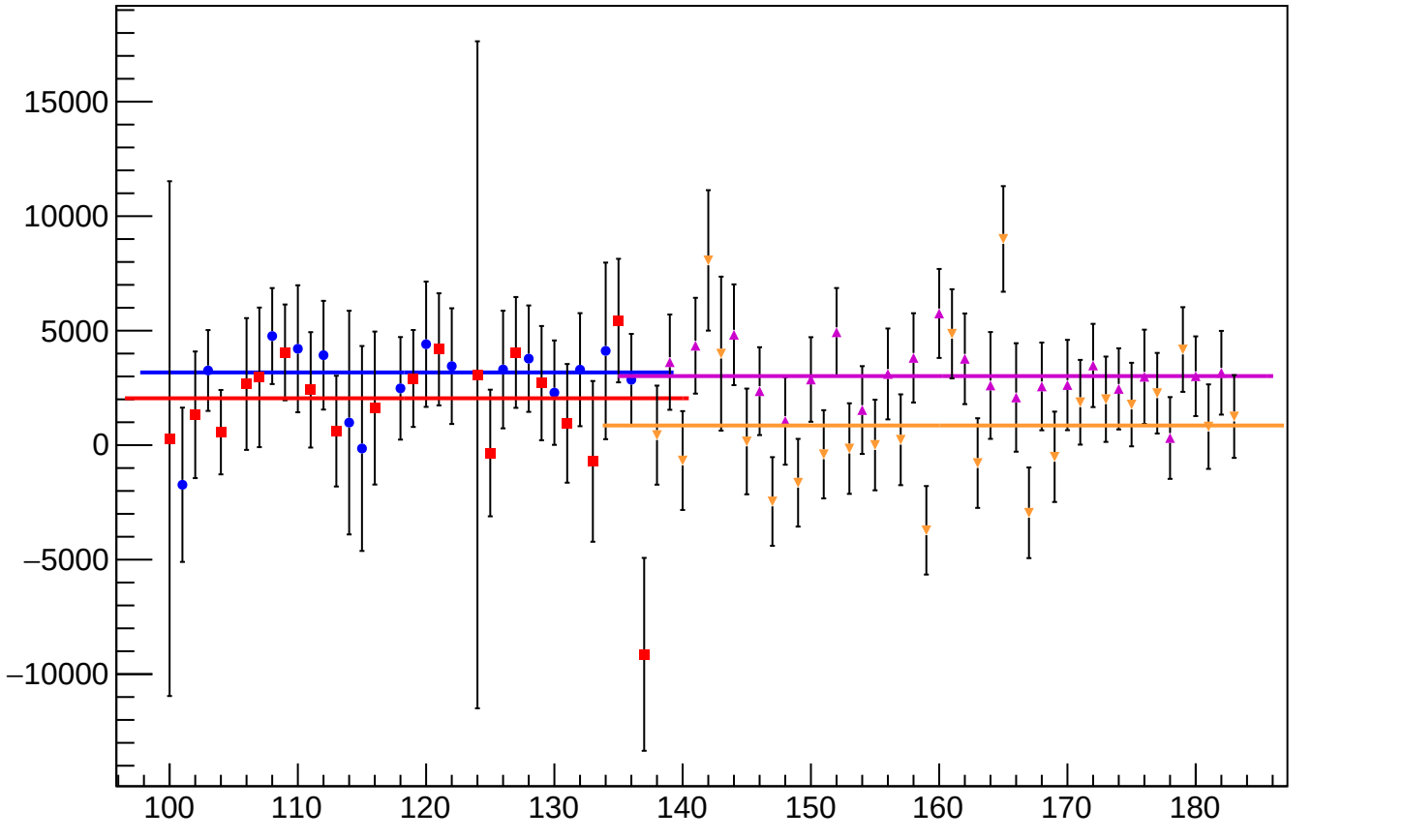
In: 1733.129+/-0.245 χ^2/NDF:592960.4/37

Out: 1740.016+/-0.242 χ^2/NDF:927756.7/42

All: 1736.624+/-0.172 χ^2/NDF: 1521117.0/80


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1791.030+/-2743.617 χ²/NDF: 14.3/15
Left Out: -180.608+/-1939.371 χ²/NDF:28.2/23
Right Out: -1306.311+/-2430.063 χ²/NDF: 17.7/18
Left In: 22.693+/-2167.861 χ²/NDF:13.5/21
Left: -90.233+/-1445.397 χ²/NDF: 41.7/45
Right: -1519.402+/-1819.116 χ²/NDF: 32.1/34
In: -674.434+/-1700.959 χ²/NDF:28.1/37
Out: -618.616+/-1515.817 χ²/NDF:46.0/42
All: -643.323+/-1131.662 χ²/NDF: 74.1/80


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: 8041.106+/-1.371 χ²/NDF:3362558.9/23
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 9022.789+/-1.533 χ²/NDF:1193089.7/21
Left: 8477.504+/-1.022 χ²/NDF: 4783452.9/45
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8332.782+/-1.203 χ²/NDF:2223499.1/37
Out: 7340.517+/-1.072 χ²/NDF:5432411.1/42
All: 7779.728+/-0.800 χ²/NDF: 8035257.8/80



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 858.080+/-409.120 χ^2/NDF:44.7/23

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: 1918.948+/-291.734 χ^2/NDF: 67.3/45

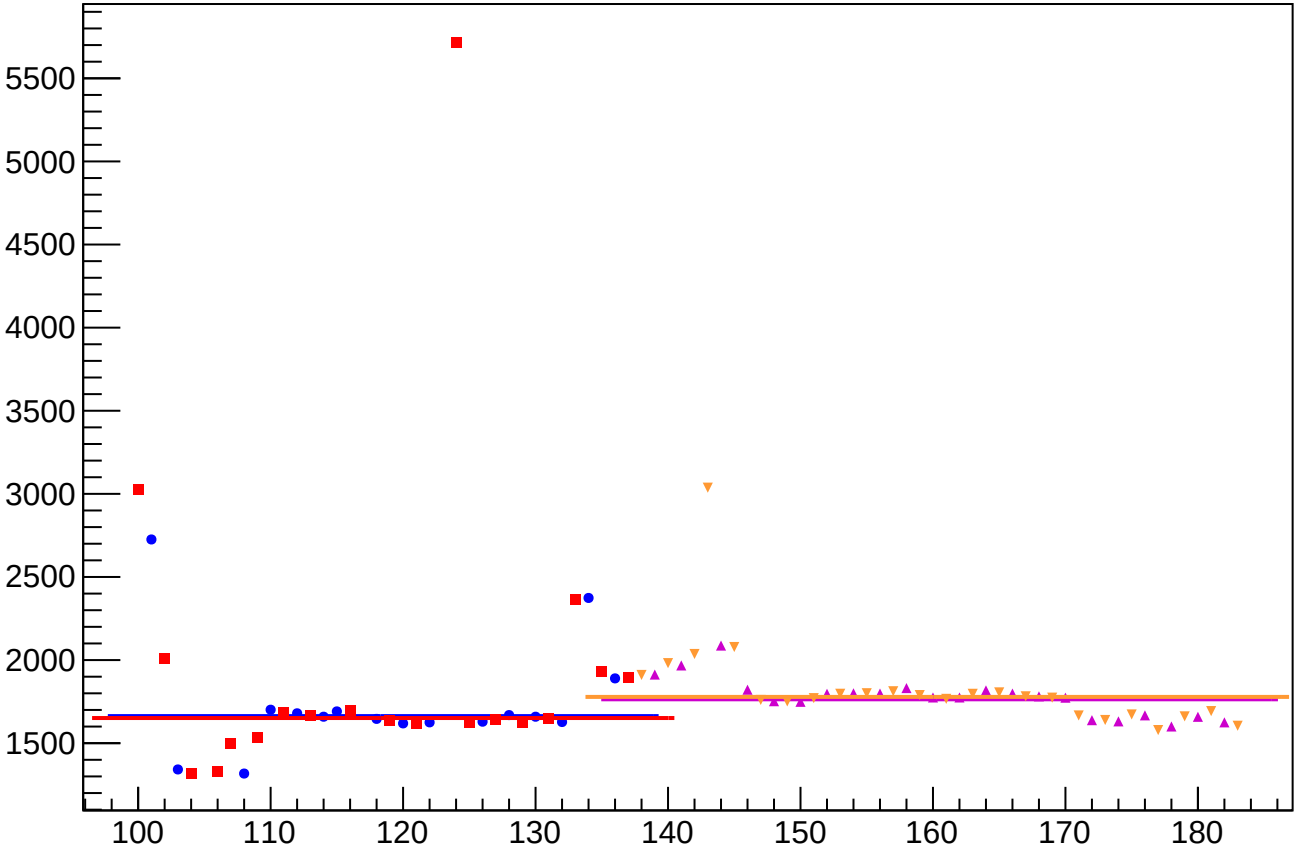
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3065.015+/-346.879 χ^2/NDF:13.3/37

Out: 1217.584+/-341.725 χ^2/NDF:61.3/42

All: 2127.475+/-243.438 χ^2/NDF: 89.0/80

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1778.450+/-0.289 χ^2/NDF:437408.5/23

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1763.964+/-0.294 χ^2/NDF:141336.2/21

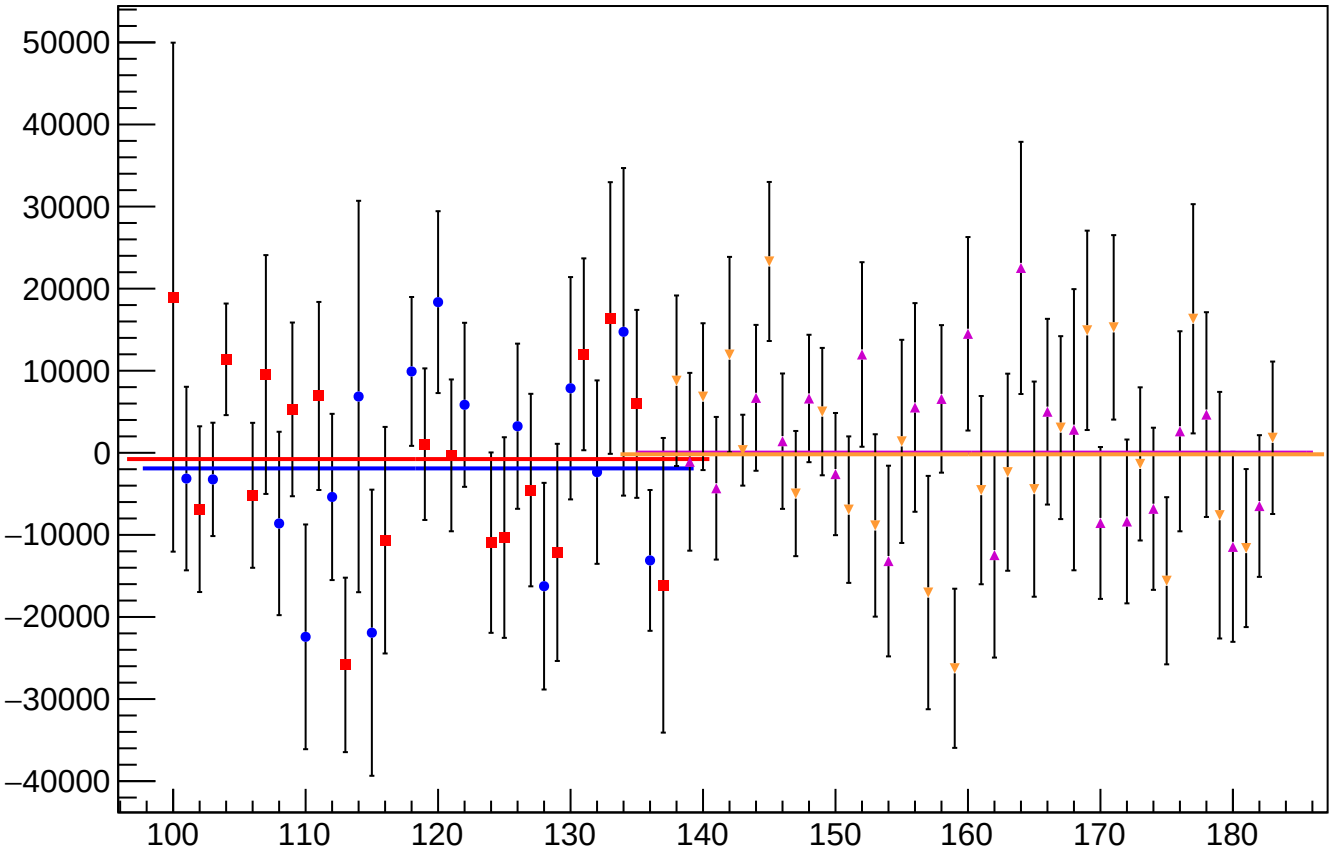
Left: 1771.330+/-0.206 χ^2/NDF: 579977.2/45

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1733.129+/-0.245 χ^2/NDF:592960.8/37

Out: 1740.016+/-0.242 χ^2/NDF:927756.9/42

All: 1736.624+/-0.172 χ^2/NDF: 1521117.7/80



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -180.660+/-1939.367 χ^2/NDF:28.2/23

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 22.738+/-2167.859 χ^2/NDF:13.5/21

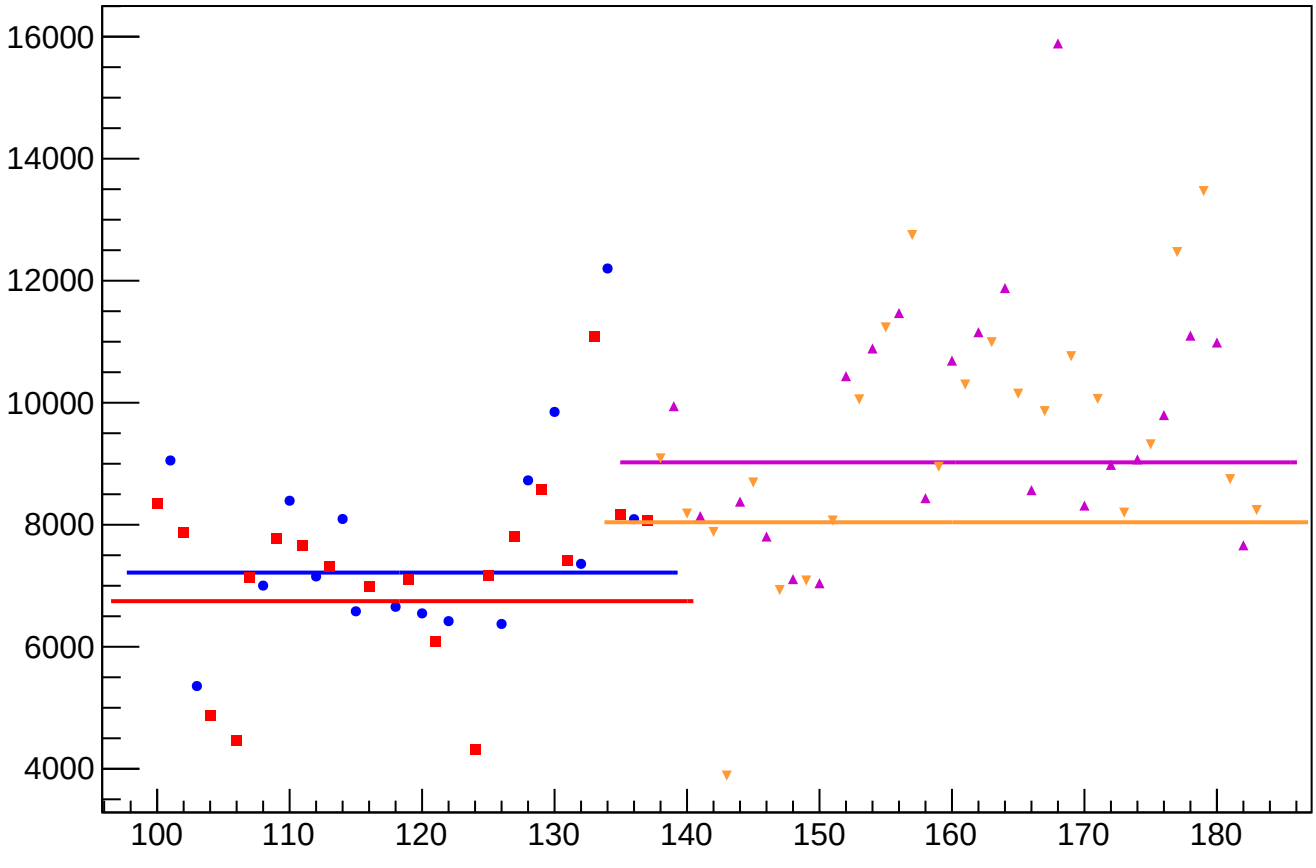
Left: -90.241+/-1445.394 χ^2/NDF: 41.7/45

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -717.554+/-1700.085 χ^2/NDF:28.2/37

Out: -393.887+/-1543.639 χ^2/NDF:45.5/42

All: -540.146+/-1142.833 χ^2/NDF: 73.7/80



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 8041.080+/-1.371 χ^2/NDF:3362635.9/23

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 9022.781+/-1.533 χ^2/NDF:1193093.3/21

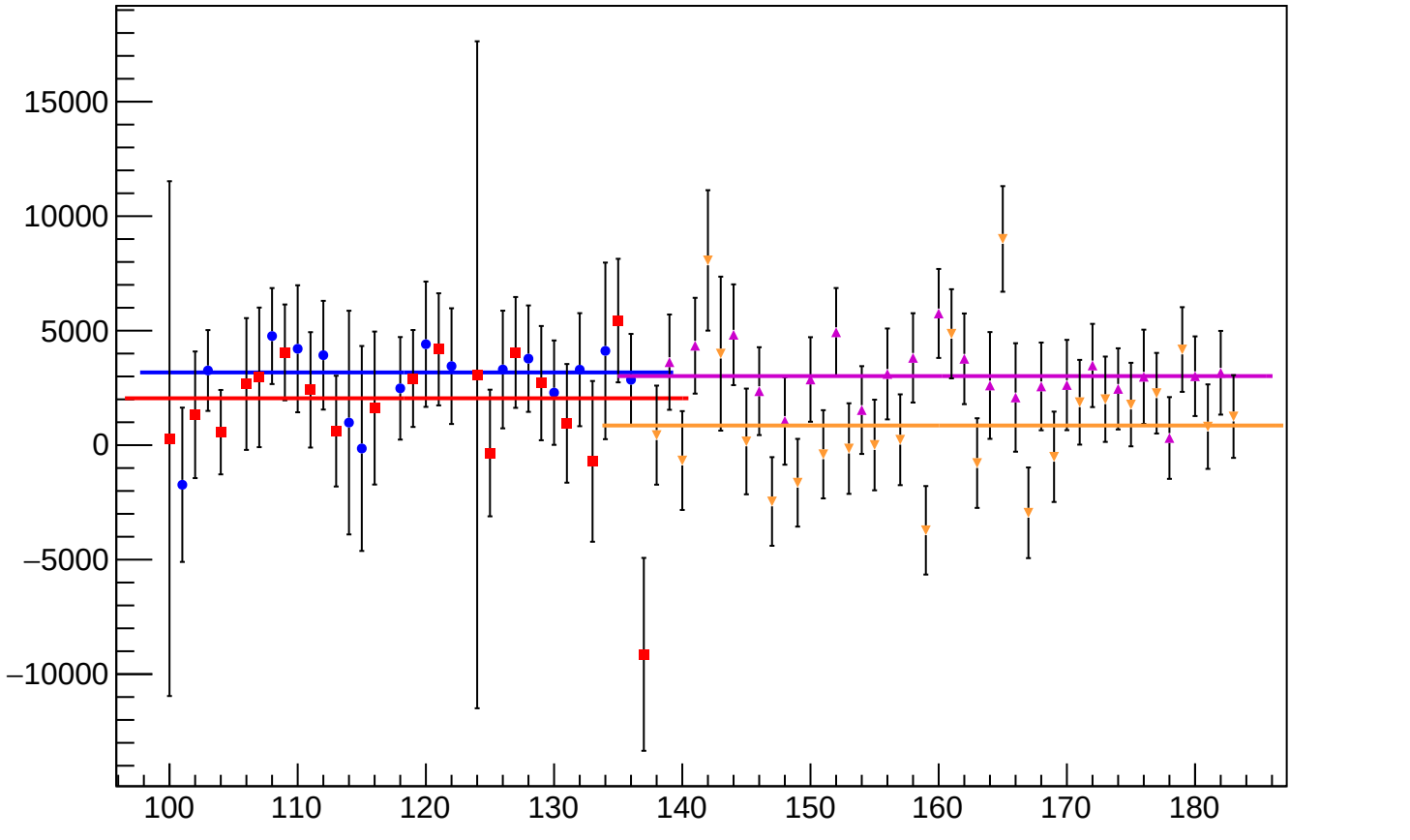
Left: 8477.485+/-1.022 χ^2/NDF: 4783542.8/45

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8327.192+/-1.202 χ^2/NDF:2240054.3/37

Out: 7567.117+/-1.092 χ^2/NDF:4397392.5/42

All: 7910.581+/-0.808 χ^2/NDF: 6856563.8/80



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 858.080+/-409.120 χ^2/NDF:44.7/23

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3016.423+/-416.119 χ^2/NDF:9.0/21

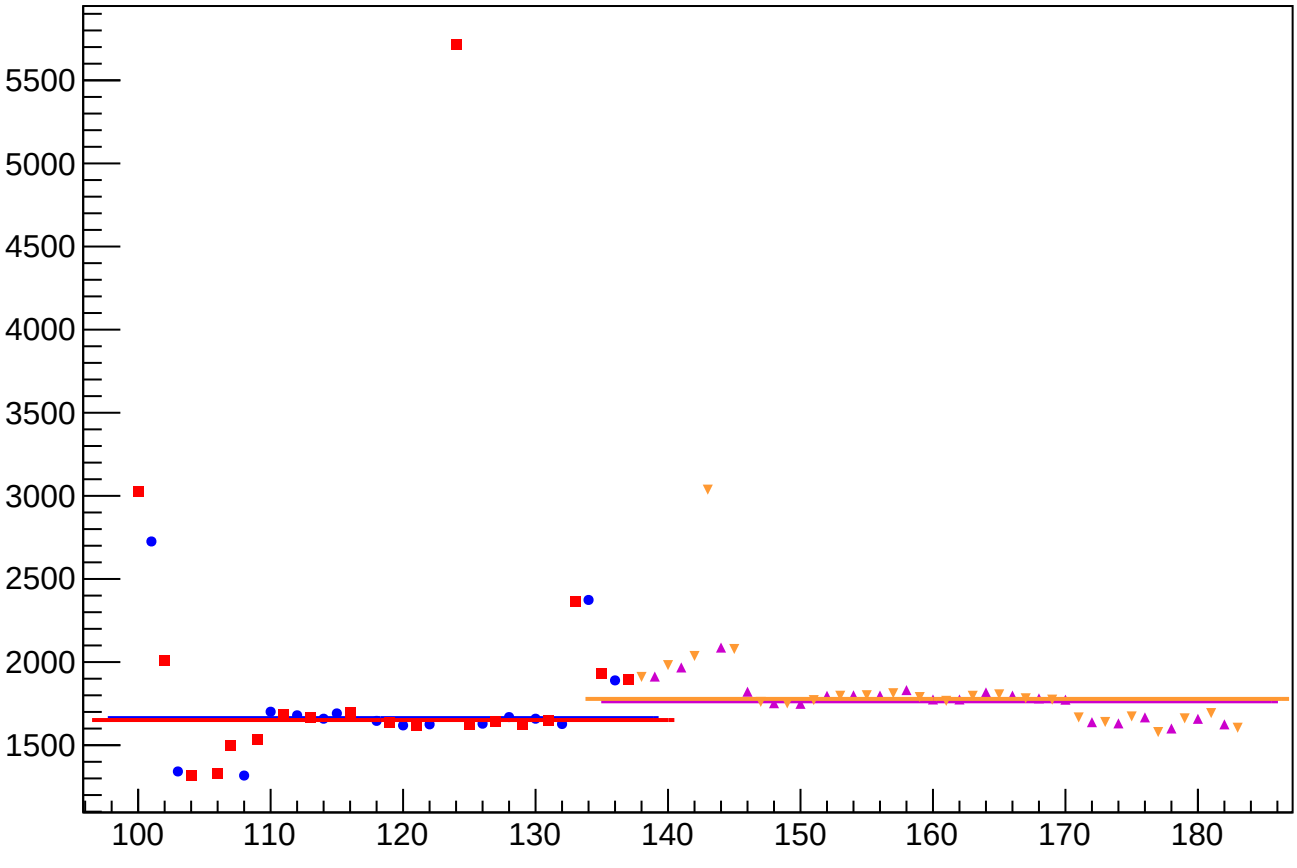
Left: 1918.948+/-291.734 χ^2/NDF: 67.3/45

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3065.015+/-346.879 χ^2/NDF:13.3/37

Out: 1217.584+/-341.725 χ^2/NDF:61.3/42

All: 2127.475+/-243.438 χ^2/NDF: 89.0/80



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1778.450+/-0.289 χ^2/NDF:437408.5/23

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1763.964+/-0.294 χ^2/NDF:141336.2/21

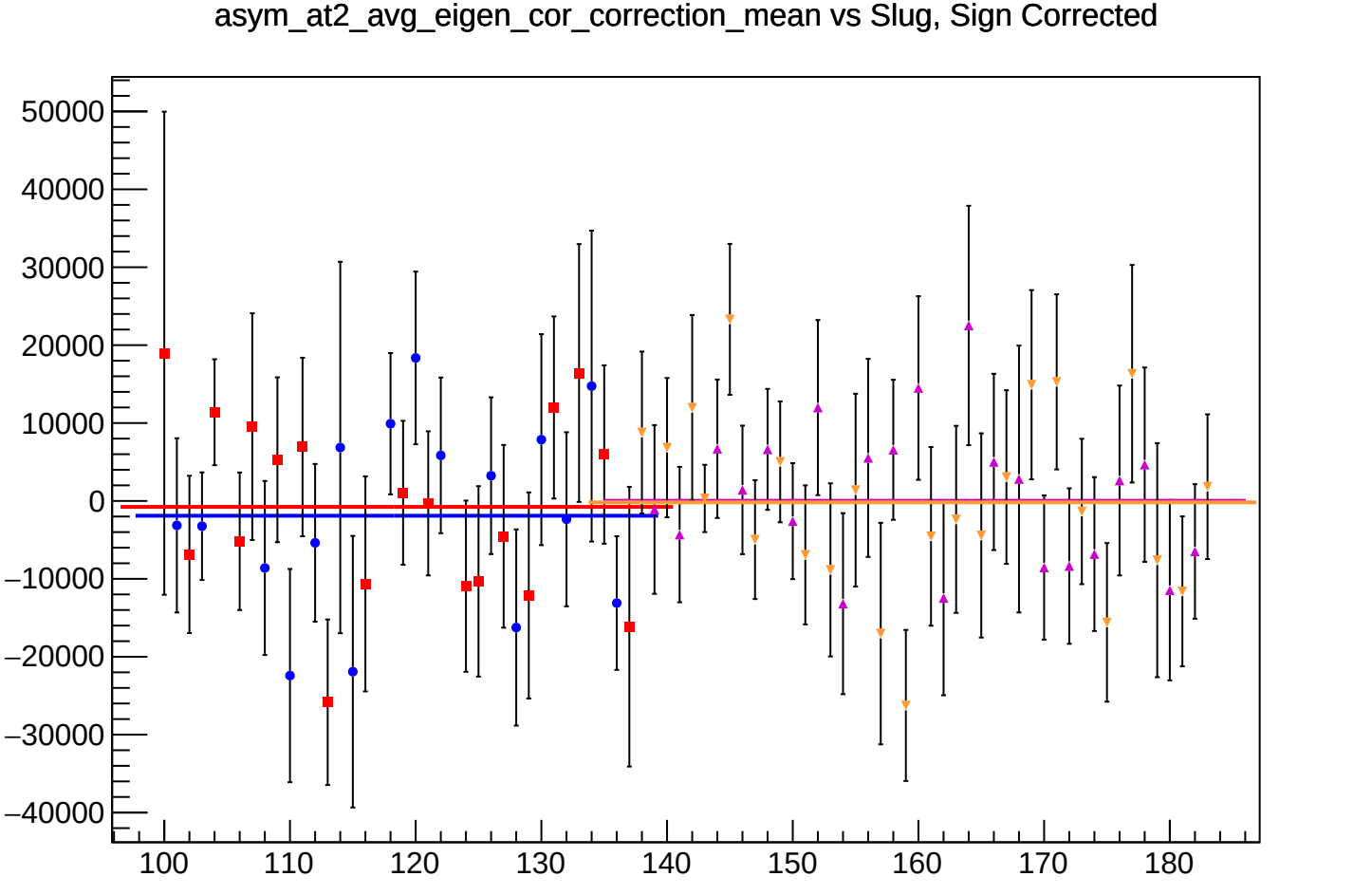
Left: 1771.330+/-0.206 χ^2/NDF: 579977.2/45

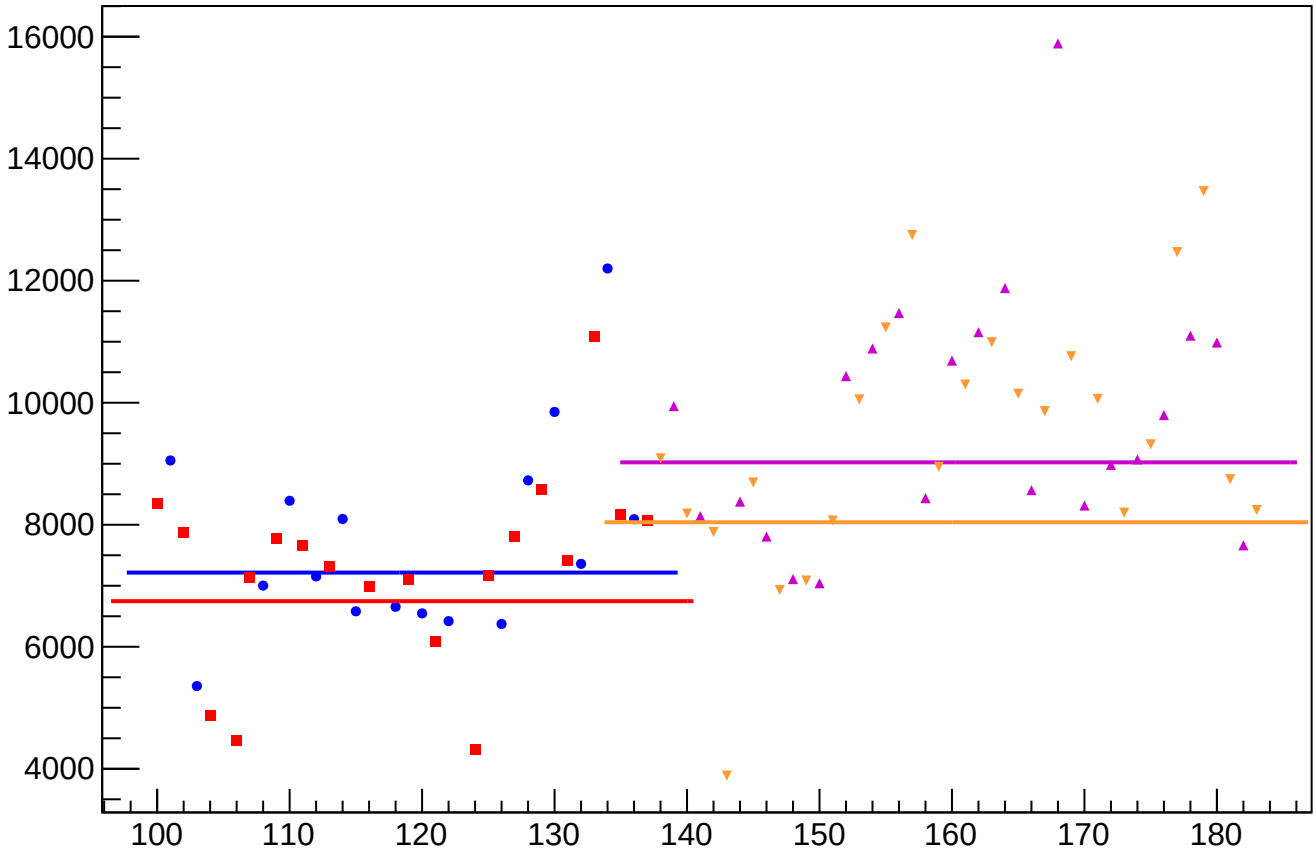
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1733.129+/-0.245 χ^2/NDF:592960.8/37

Out: 1740.016+/-0.242 χ^2/NDF:927756.9/42

All: 1736.624+/-0.172 χ^2/NDF: 1521117.7/80


asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: -180.660+/-1939.367 χ²/NDF:28.2/23
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 22.738+/-2167.859 χ²/NDF:13.5/21
Left: -90.241+/-1445.394 χ²/NDF: 41.7/45
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: -717.554+/-1700.085 χ²/NDF:28.2/37
Out: -393.887+/-1543.639 χ²/NDF:45.5/42
All: -540.146+/-1142.833 χ²/NDF: 73.7/80



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 8041.080+/-1.371 χ^2/NDF:3362635.9/23

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 9022.781+/-1.533 χ^2/NDF:1193093.3/21

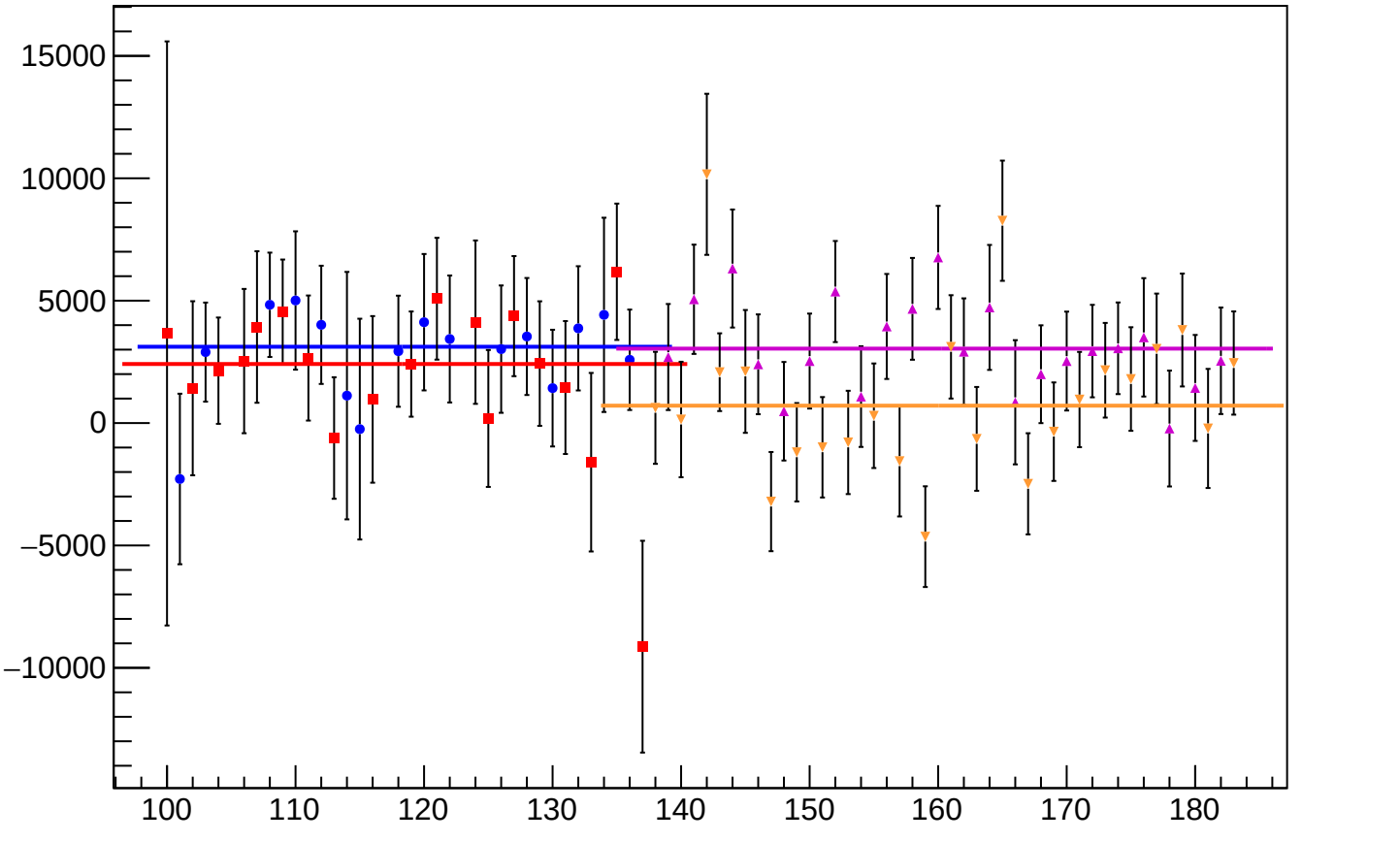
Left: 8477.485+/-1.022 χ^2/NDF: 4783542.8/45

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8327.192+/-1.202 χ^2/NDF:2240054.3/37

Out: 7567.117+/-1.092 χ^2/NDF:4397392.5/42

All: 7910.581+/-0.808 χ^2/NDF: 6856563.8/80



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 710.723+/-436.447 χ^2/NDF:41.4/23

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: 1828.427+/-314.835 χ^2/NDF: 69.7/45

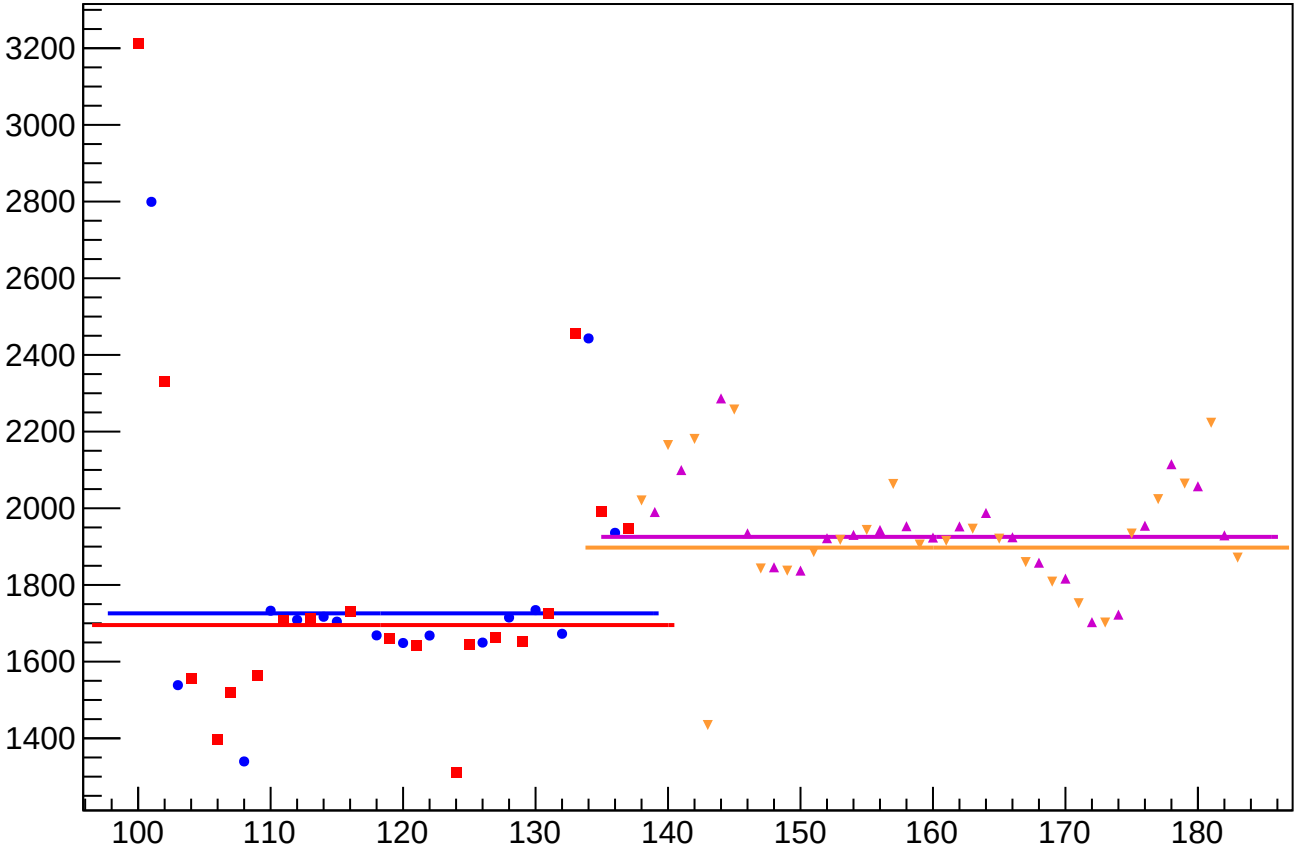
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3066.196+/-372.737 χ^2/NDF:20.0/37

Out: 1252.045+/-360.407 χ^2/NDF:62.2/42

All: 2128.618+/-259.096 χ^2/NDF: 94.4/80

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1897.454+/-0.309 χ^2/NDF:363641.2/23

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1925.413+/-0.321 χ^2/NDF:148050.8/21

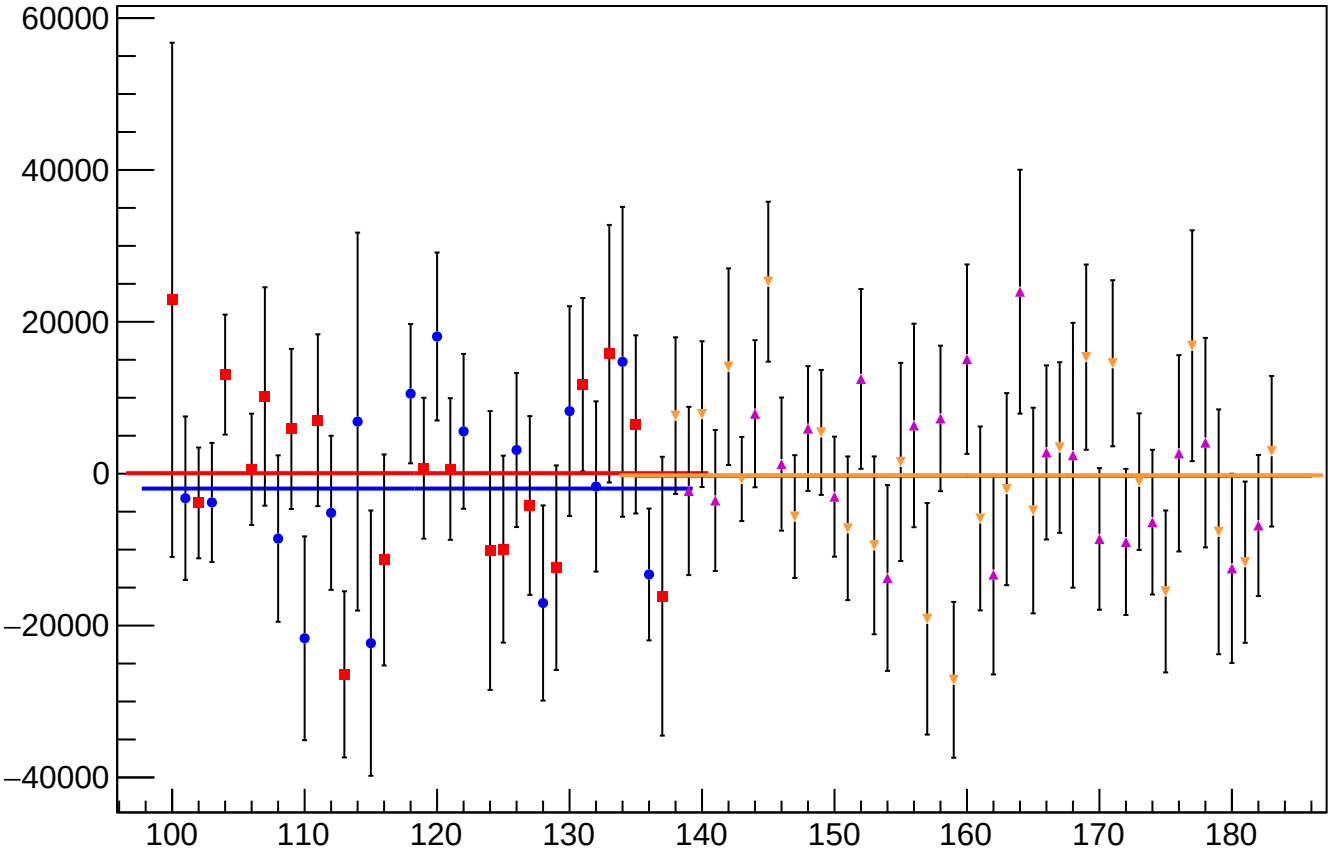
Left: 1910.865+/-0.223 χ^2/NDF: 515628.7/45

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1860.035+/-0.264 χ^2/NDF:639920.4/37

Out: 1833.145+/-0.255 χ^2/NDF:785701.8/42

All: 1846.136+/-0.183 χ^2/NDF: 1431002.4/80



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -204.686+/-2104.296 χ^2/NDF:27.6/23

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: -274.563+/-2269.989 χ^2/NDF:13.3/21

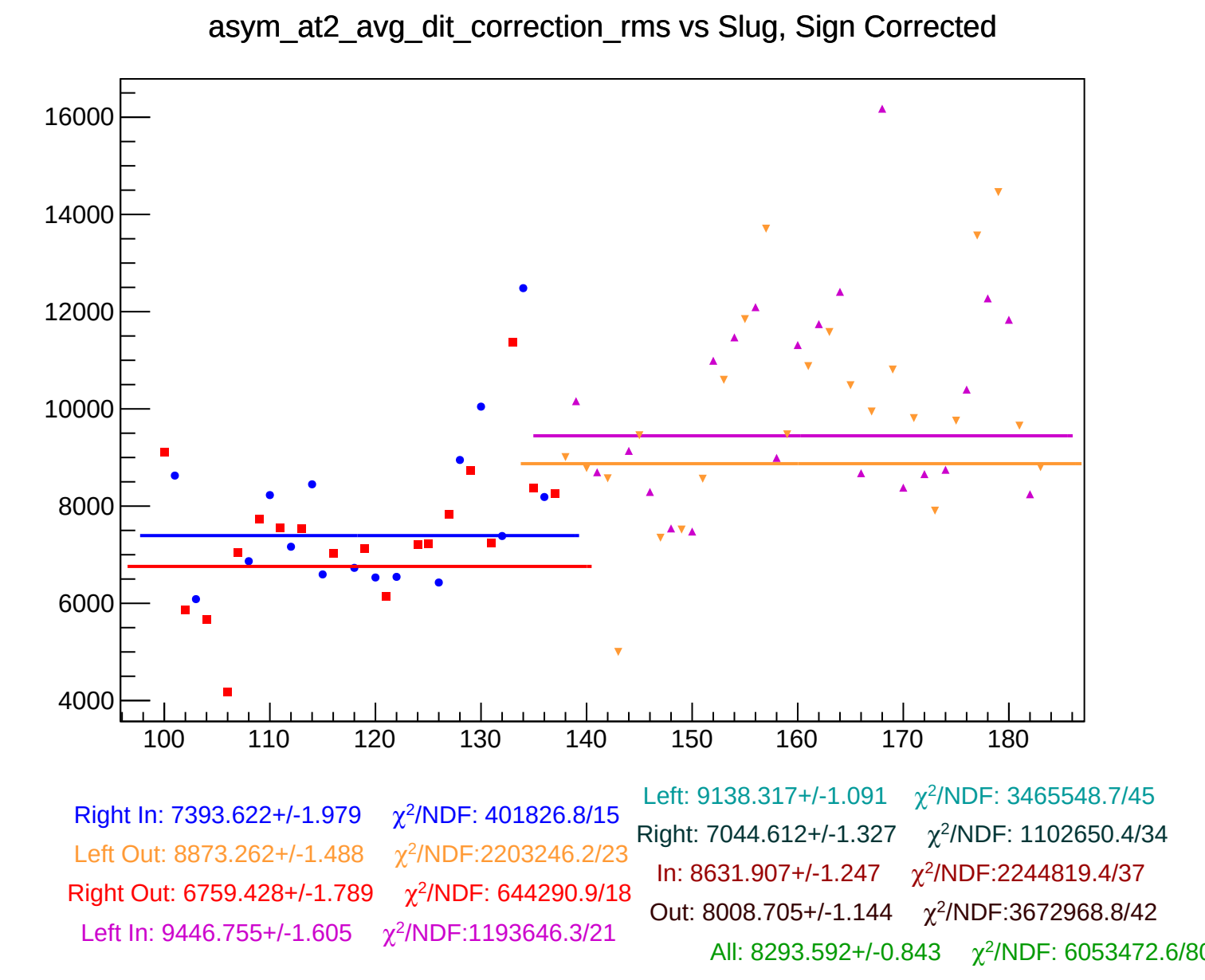
Left: -236.981+/-1543.218 χ^2/NDF: 40.9/45

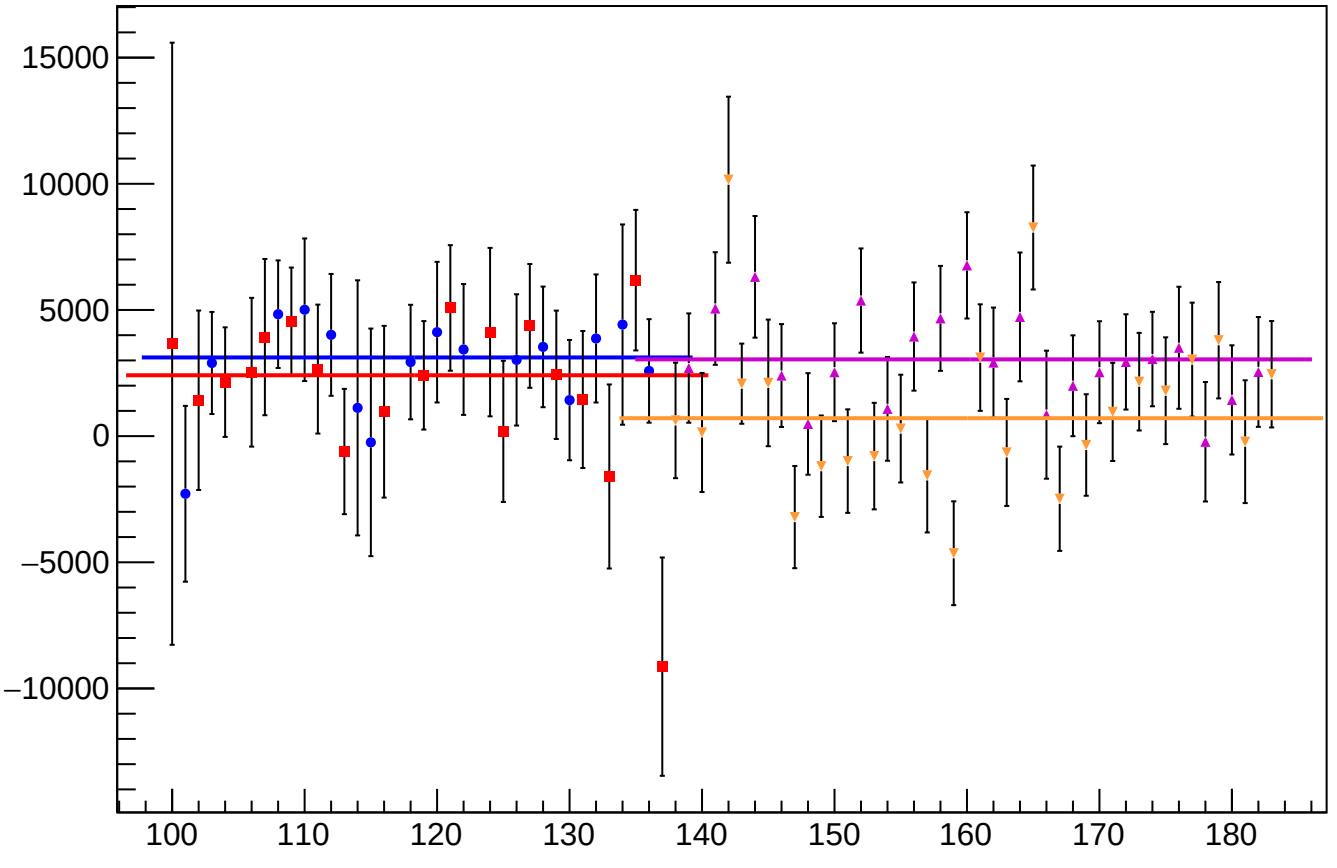
Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -942.908+/-1762.891 χ^2/NDF:27.9/37

Out: -93.094+/-1617.710 χ^2/NDF:43.7/42

All: -481.573+/-1191.920 χ^2/NDF: 71.8/80


asym_at2_avg_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: 7393.622+/-1.979 χ²/NDF: 401826.8/15
Left Out: 8873.262+/-1.488 χ²/NDF:2203246.2/23
Right Out: 6759.428+/-1.789 χ²/NDF: 644290.9/18
Left In: 9446.755+/-1.605 χ²/NDF:1193646.3/21
Left: 9138.317+/-1.091 χ²/NDF: 3465548.7/45
Right: 7044.612+/-1.327 χ²/NDF: 1102650.4/34
In: 8631.907+/-1.247 χ²/NDF:2244819.4/37
Out: 8008.705+/-1.144 χ²/NDF:3672968.8/42
All: 8293.592+/-0.843 χ²/NDF: 6053472.6/80



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 710.713+/-436.448 χ^2/NDF:41.4/23

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3041.006+/-454.594 χ^2/NDF:14.6/21

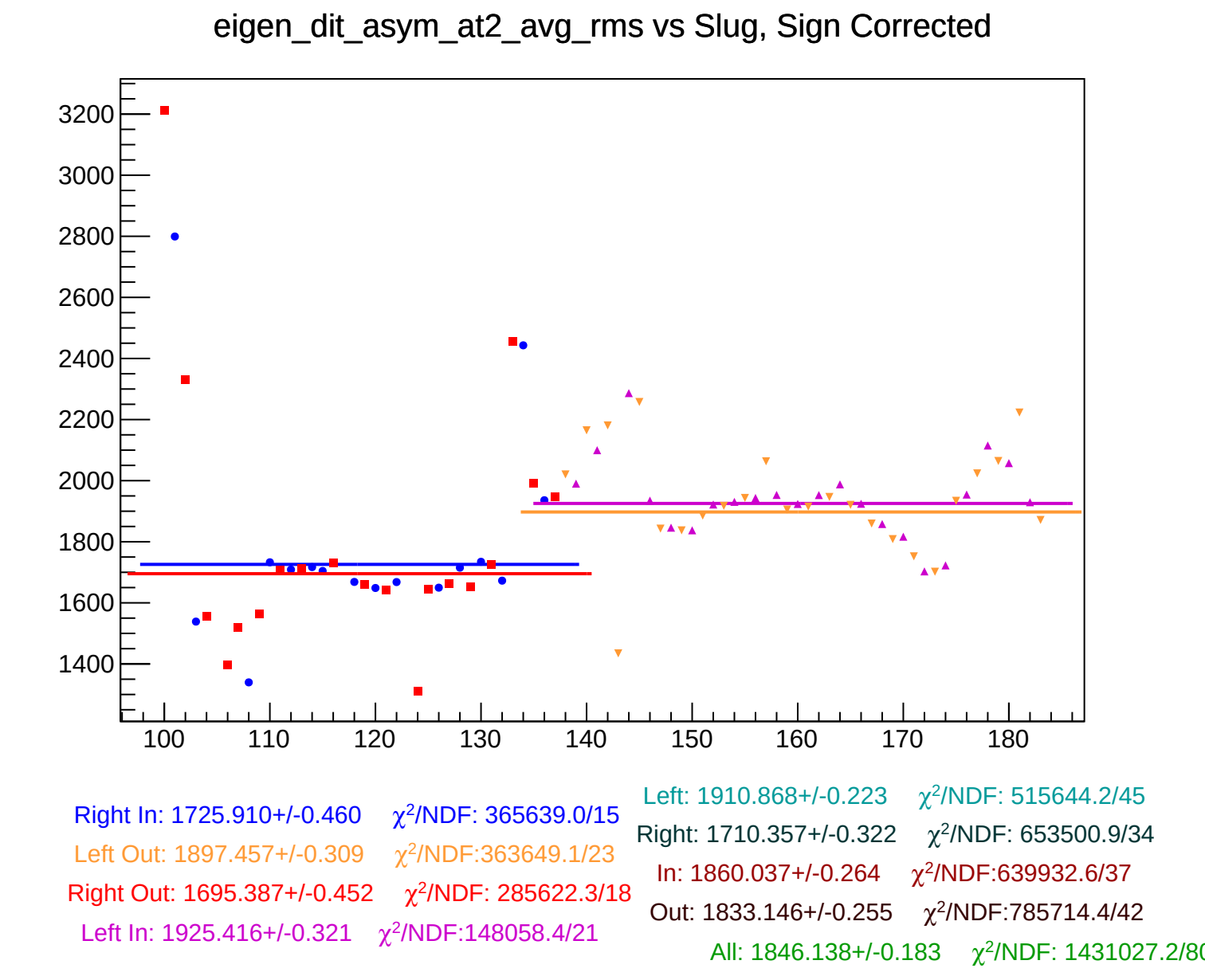
Left: 1828.422+/-314.835 χ^2/NDF: 69.7/45

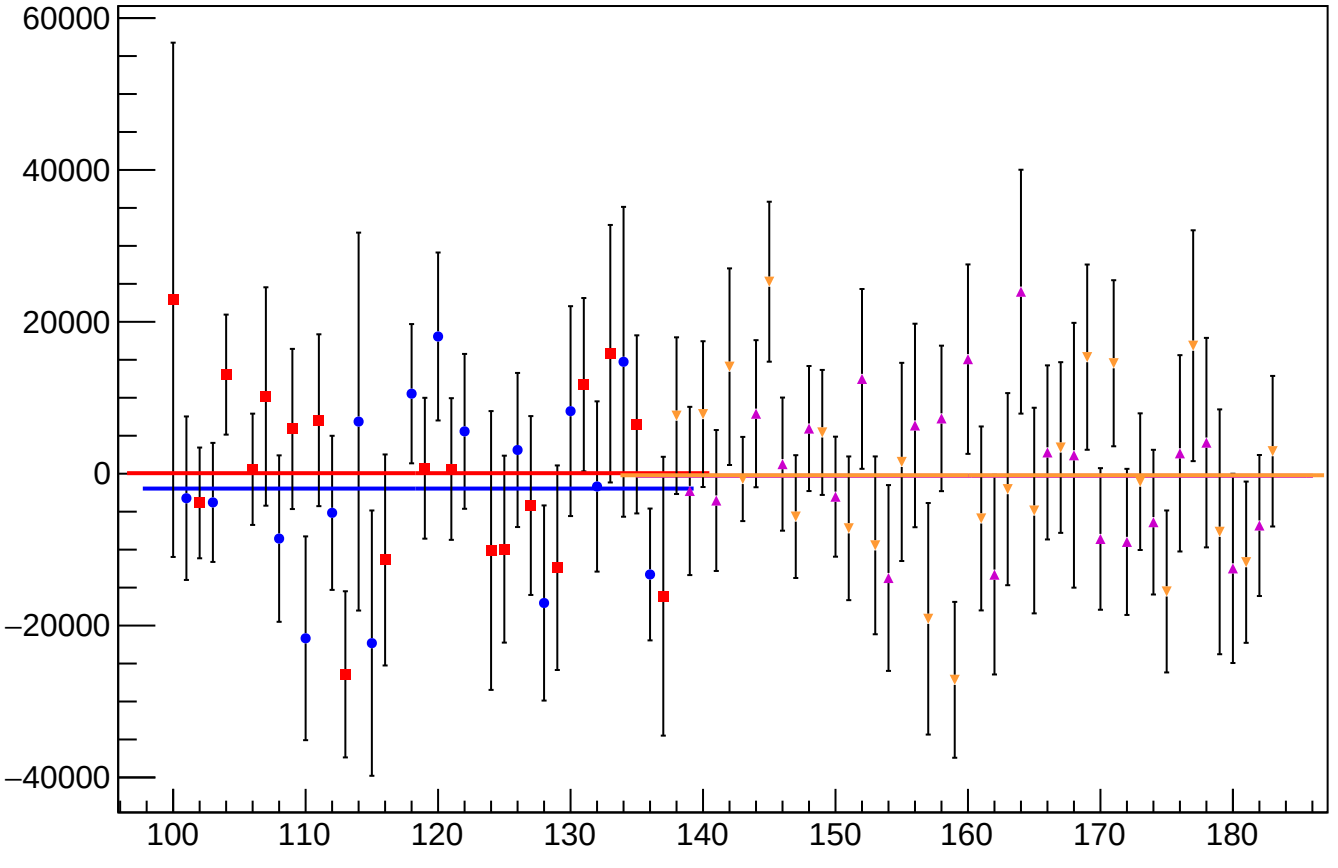
Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

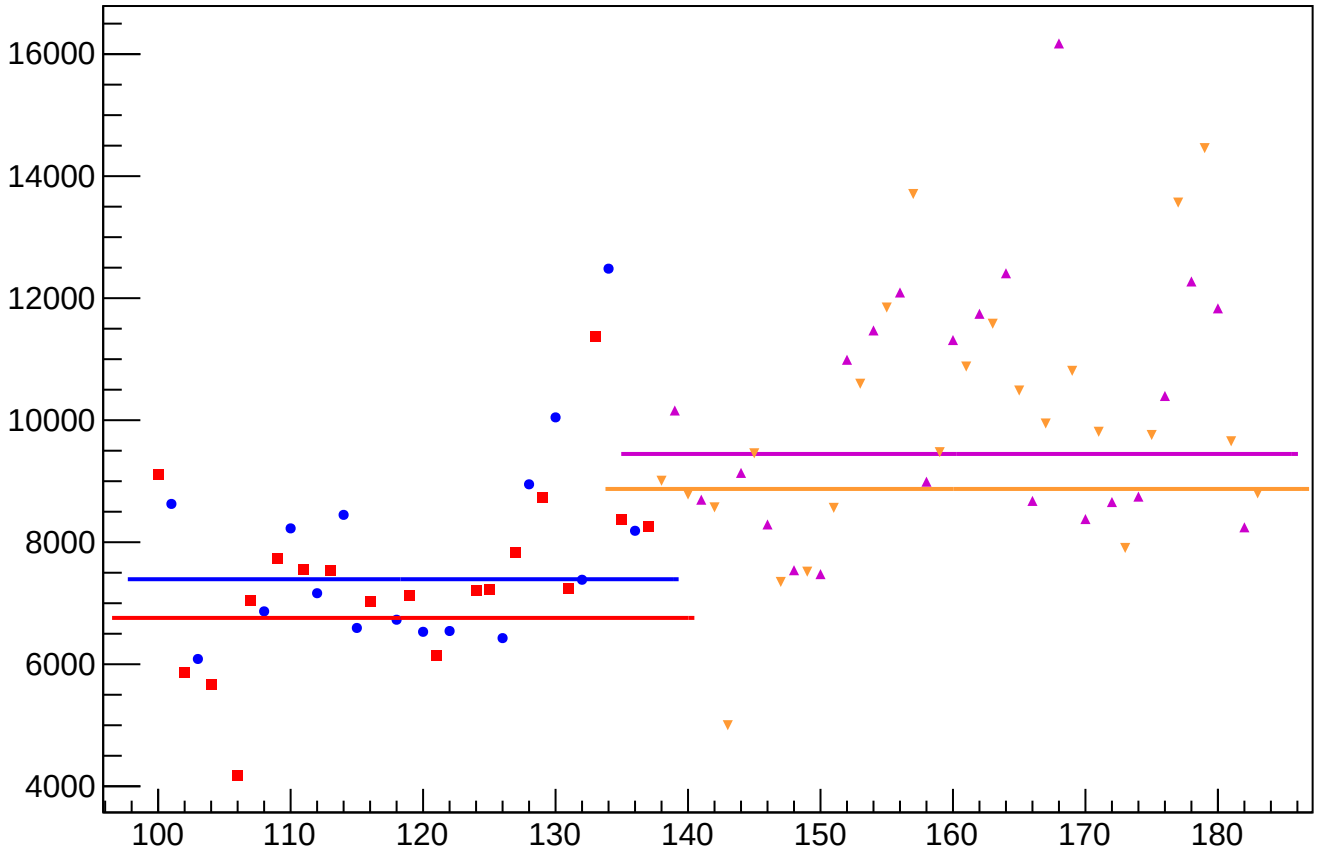
In: 3066.199+/-372.737 χ^2/NDF:20.0/37

Out: 1252.042+/-360.407 χ^2/NDF:62.2/42

All: 2128.618+/-259.096 χ^2/NDF: 94.4/80


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: 1897.457+/-0.309 χ²/NDF:363649.1/23
Right Out: 1695.387+/-0.452 χ²/NDF: 285622.3/18
Left In: 1925.416+/-0.321 χ²/NDF:148058.4/21
Left: 1910.868+/-0.223 χ²/NDF: 515644.2/45
Right: 1710.357+/-0.322 χ²/NDF: 653500.9/34
In: 1860.037+/-0.264 χ²/NDF:639932.6/37
Out: 1833.146+/-0.255 χ²/NDF:785714.4/42
All: 1846.138+/-0.183 χ²/NDF: 1431027.2/80


asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1958.538+/-2798.302 χ²/NDF: 14.4/15
Left Out: -204.693+/-2104.299 χ²/NDF:27.6/23
Right Out: 68.163+/-2529.521 χ²/NDF: 16.1/18
Left In: -274.565+/-2269.993 χ²/NDF:13.3/21
Left: -236.986+/-1543.220 χ²/NDF: 40.9/45
Right: -843.203+/-1876.490 χ²/NDF: 30.8/34
In: -942.904+/-1762.891 χ²/NDF:27.9/37
Out: -93.094+/-1617.710 χ²/NDF:43.7/42
All: -481.571+/-1191.920 χ²/NDF: 71.8/80



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8873.276+/-1.488 χ^2/NDF:2203247.7/23

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: 9138.331+/-1.091 χ^2/NDF: 3465554.0/45

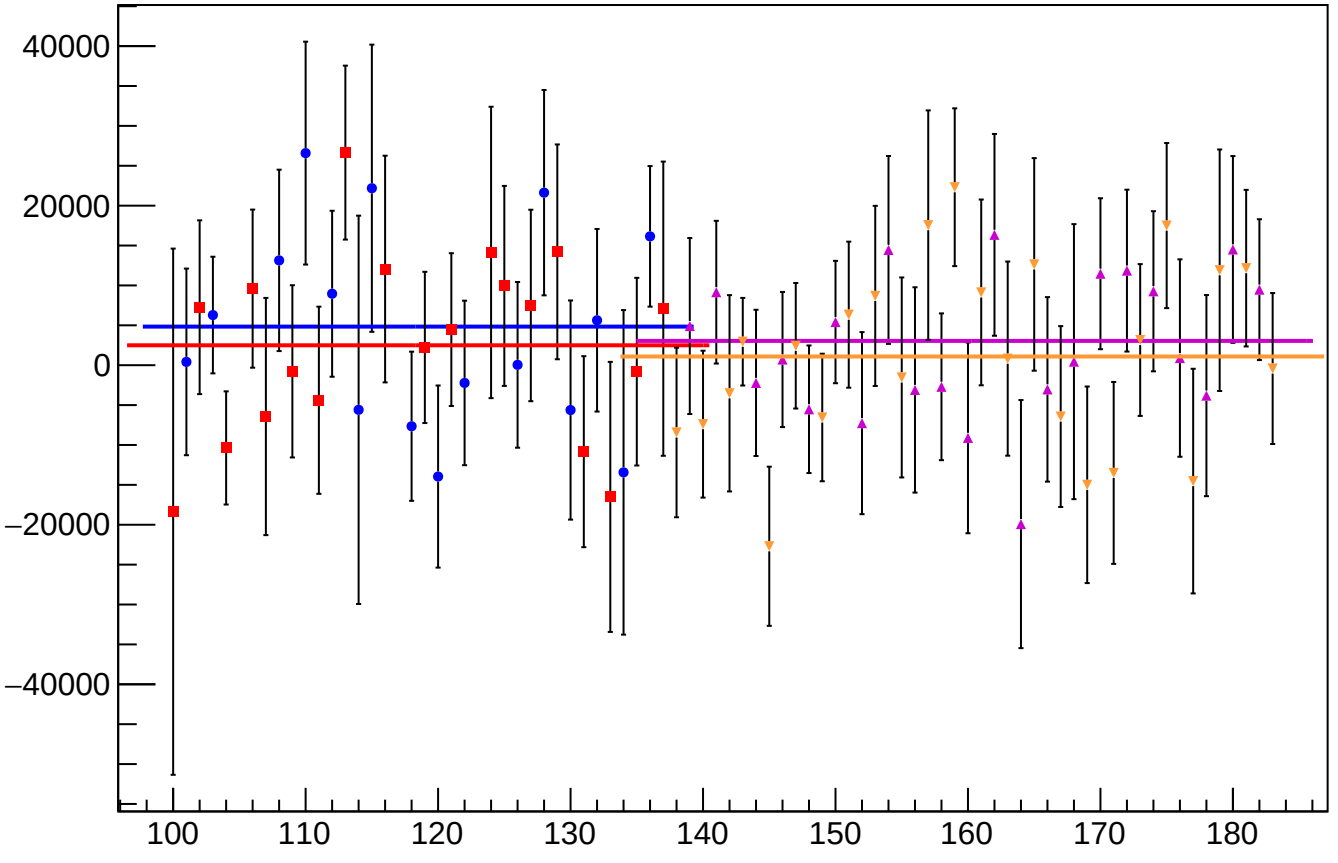
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8631.905+/-1.247 χ^2/NDF:2244846.6/37

Out: 8008.703+/-1.144 χ^2/NDF:3672992.5/42

All: 8293.590+/-0.843 χ^2/NDF: 6053523.2/80

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 1090.826+/-2055.712 χ^2/NDF:25.9/23

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: 1995.630+/-1506.577 χ^2/NDF: 39.2/45

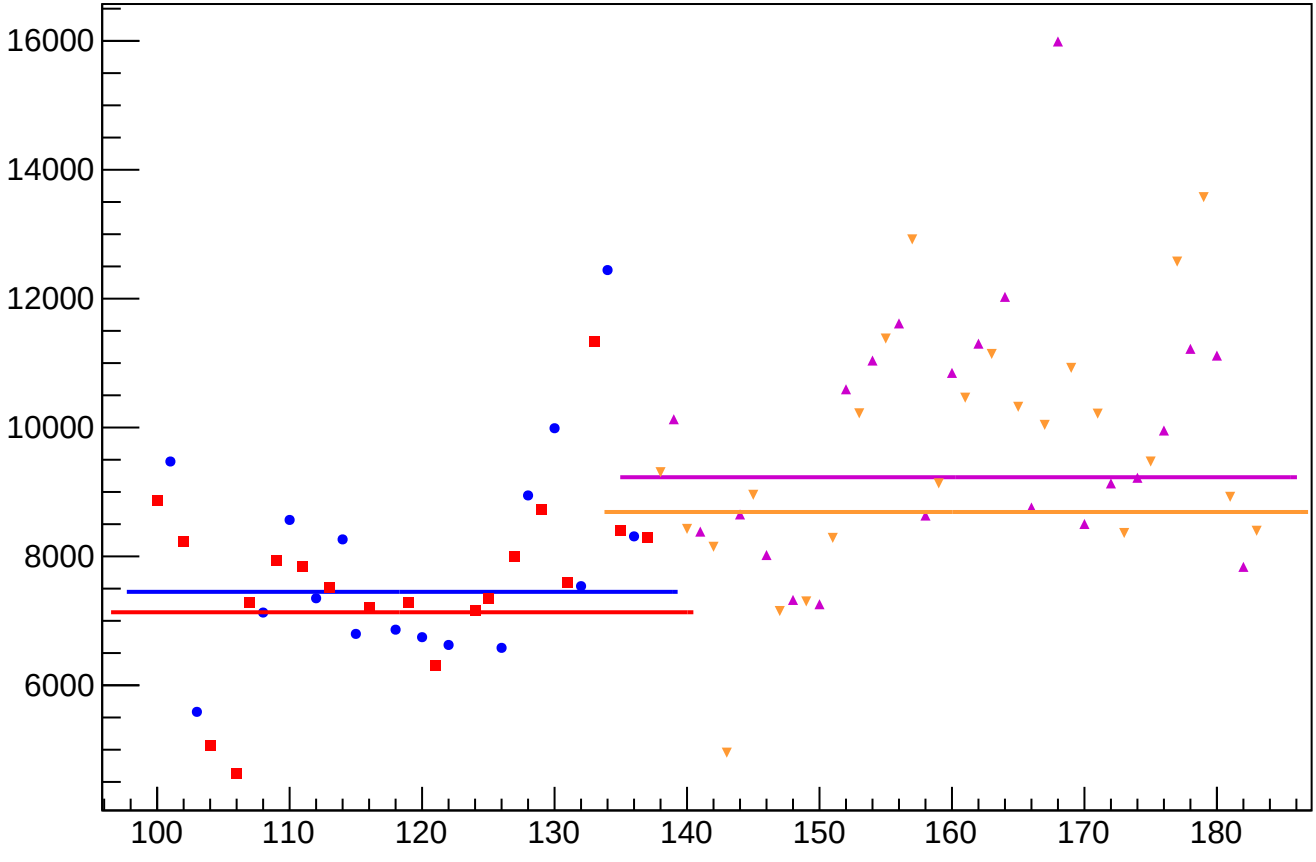
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3726.440+/-1743.695 χ^2/NDF:27.5/37

Out: 1607.501+/-1634.601 χ^2/NDF:41.0/42

All: 2598.616+/-1192.541 χ^2/NDF: 69.2/80

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8689.234+/-1.454 χ^2/NDF:2050944.0/23

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9228.823+/-1.566 χ^2/NDF:1115094.1/21

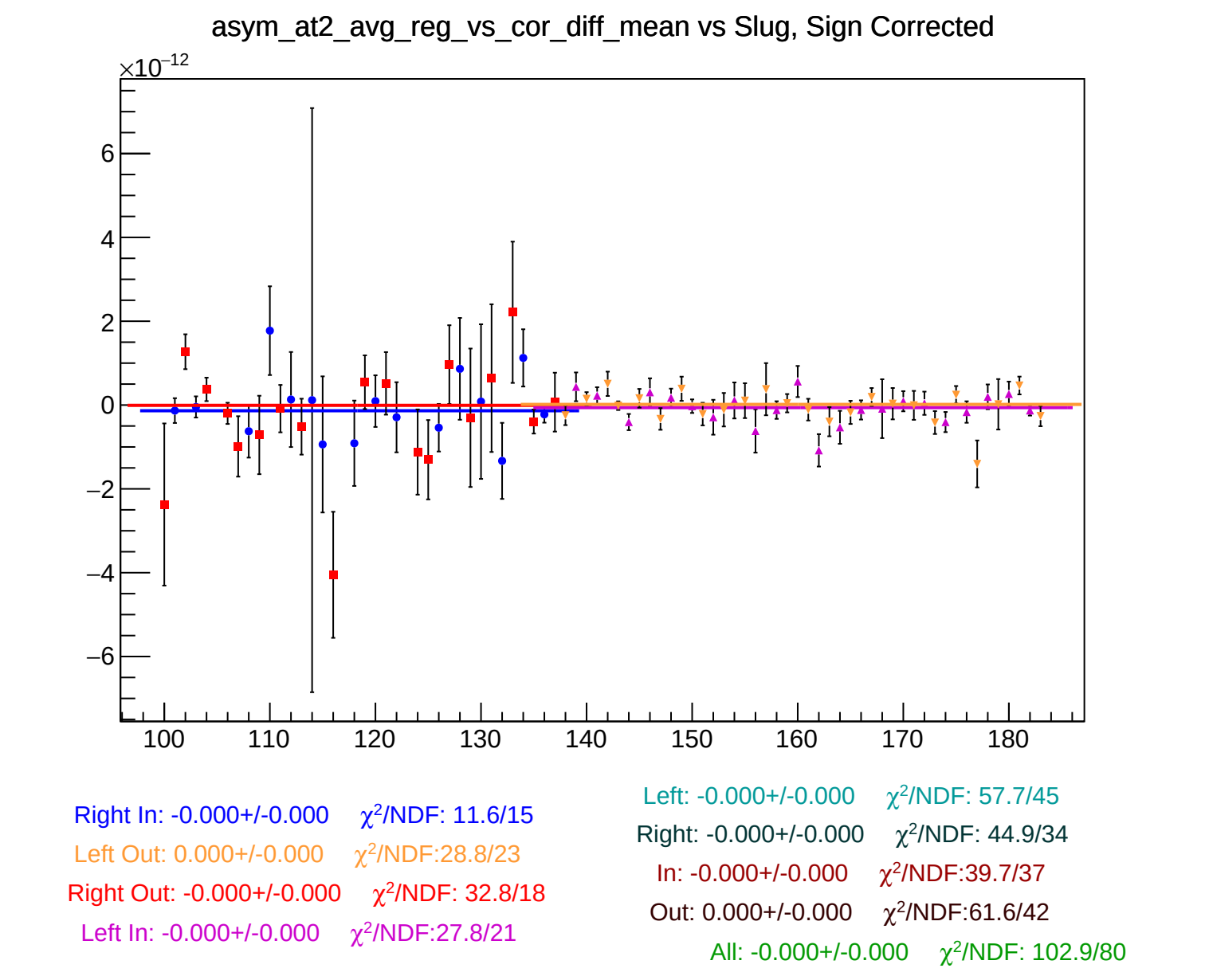
Left: 8939.008+/-1.065 χ^2/NDF: 3229822.8/45

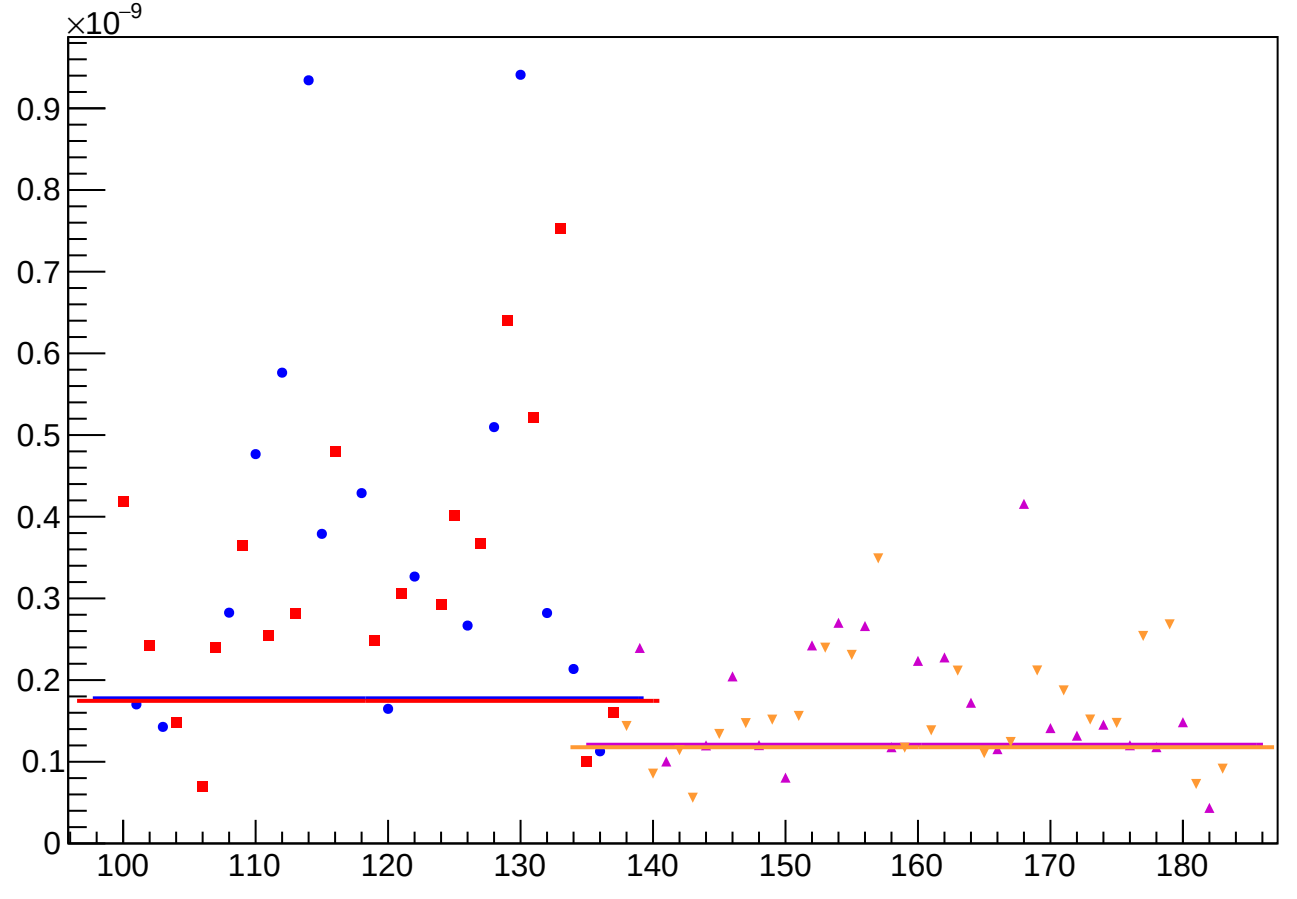
Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8552.987+/-1.233 χ^2/NDF:2091875.6/37

Out: 8116.944+/-1.156 χ^2/NDF:3029405.3/42

All: 8320.894+/-0.843 χ^2/NDF: 5187851.7/80


asym_at2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.6/15
Left Out: 0.000+/-0.000 χ²/NDF:28.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 32.8/18
Left In: -0.000+/-0.000 χ²/NDF:27.8/21
Left: -0.000+/-0.000 χ²/NDF: 57.7/45
Right: -0.000+/-0.000 χ²/NDF: 44.9/34
In: -0.000+/-0.000 χ²/NDF:39.7/37
Out: 0.000+/-0.000 χ²/NDF:61.6/42
All: -0.000+/-0.000 χ²/NDF: 102.9/80



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2334851.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2628559.9/21

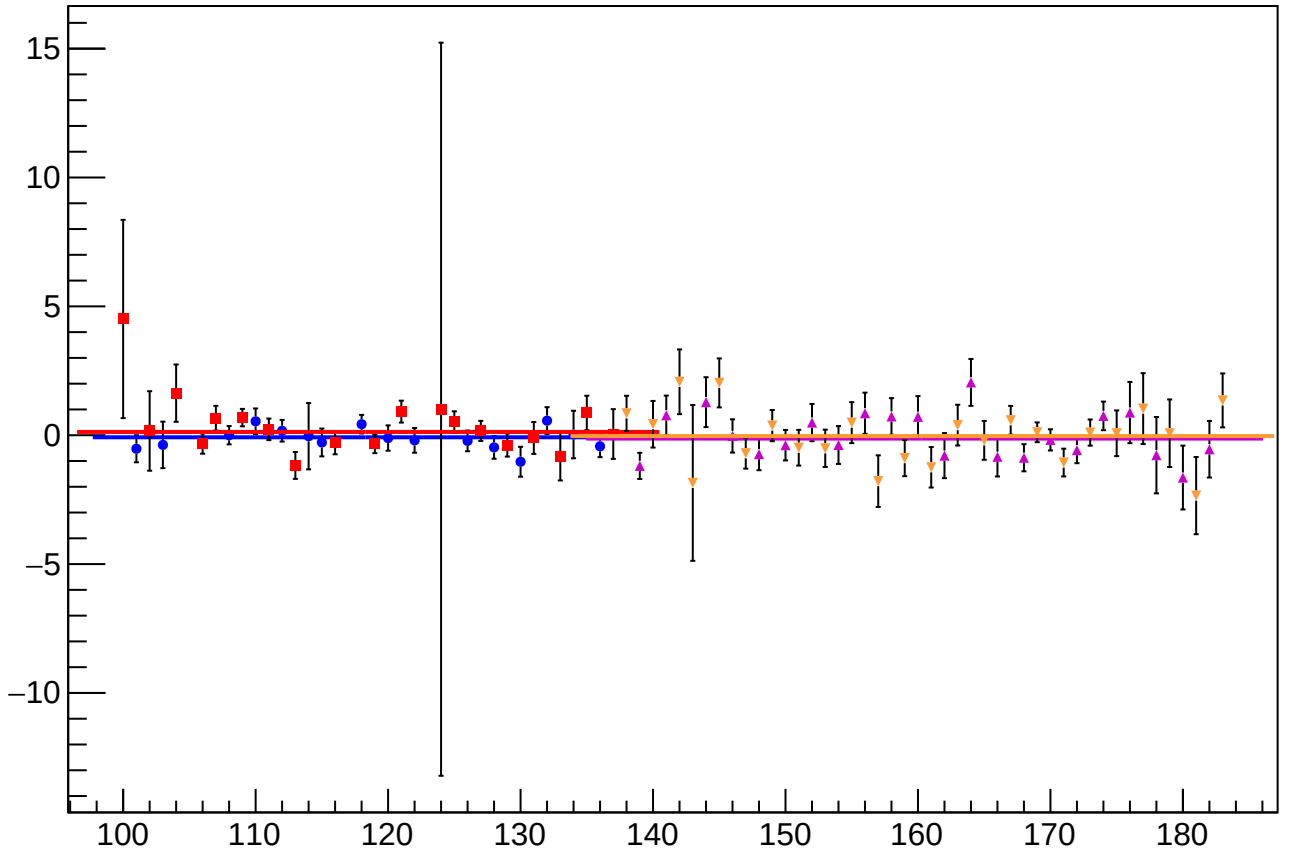
Left: 0.000+/-0.000 χ^2/NDF: 4966989.5/45

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:4343758.8/42

All: 0.000+/-0.000 χ^2/NDF: 8887878.0/80



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.033+/-0.148 χ^2/NDF:29.9/23

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.130+/-0.146 χ^2/NDF:29.0/21

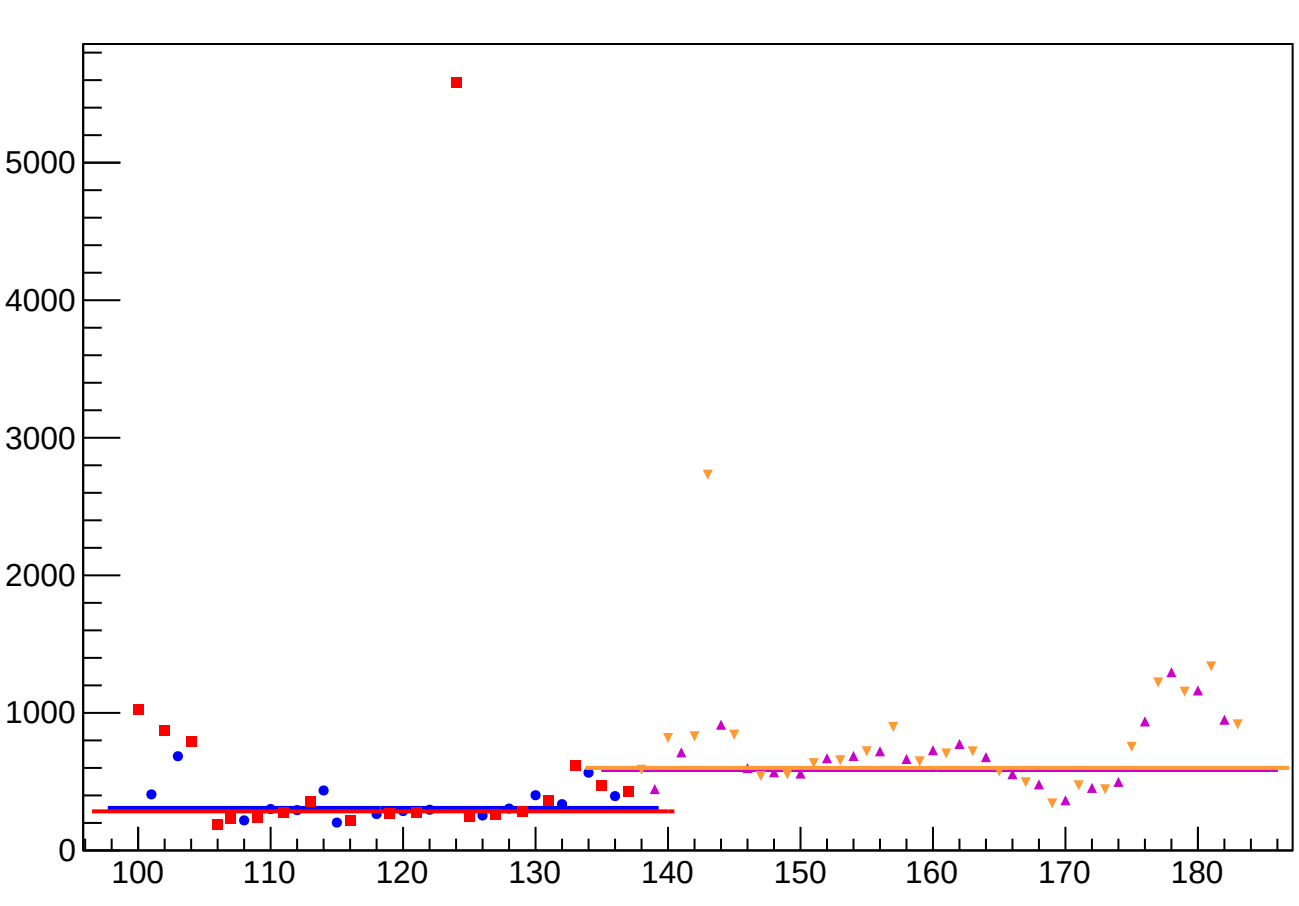
Left: -0.083+/-0.104 χ^2/NDF: 59.1/45

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.101+/-0.094 χ^2/NDF:39.8/37

Out: 0.066+/-0.092 χ^2/NDF:55.9/42

All: -0.016+/-0.066 χ^2/NDF: 97.3/80



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 599.884+/-0.105 χ^2/NDF:4445459.0/23

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: 592.308+/-0.074 χ^2/NDF: 7360312.9/45

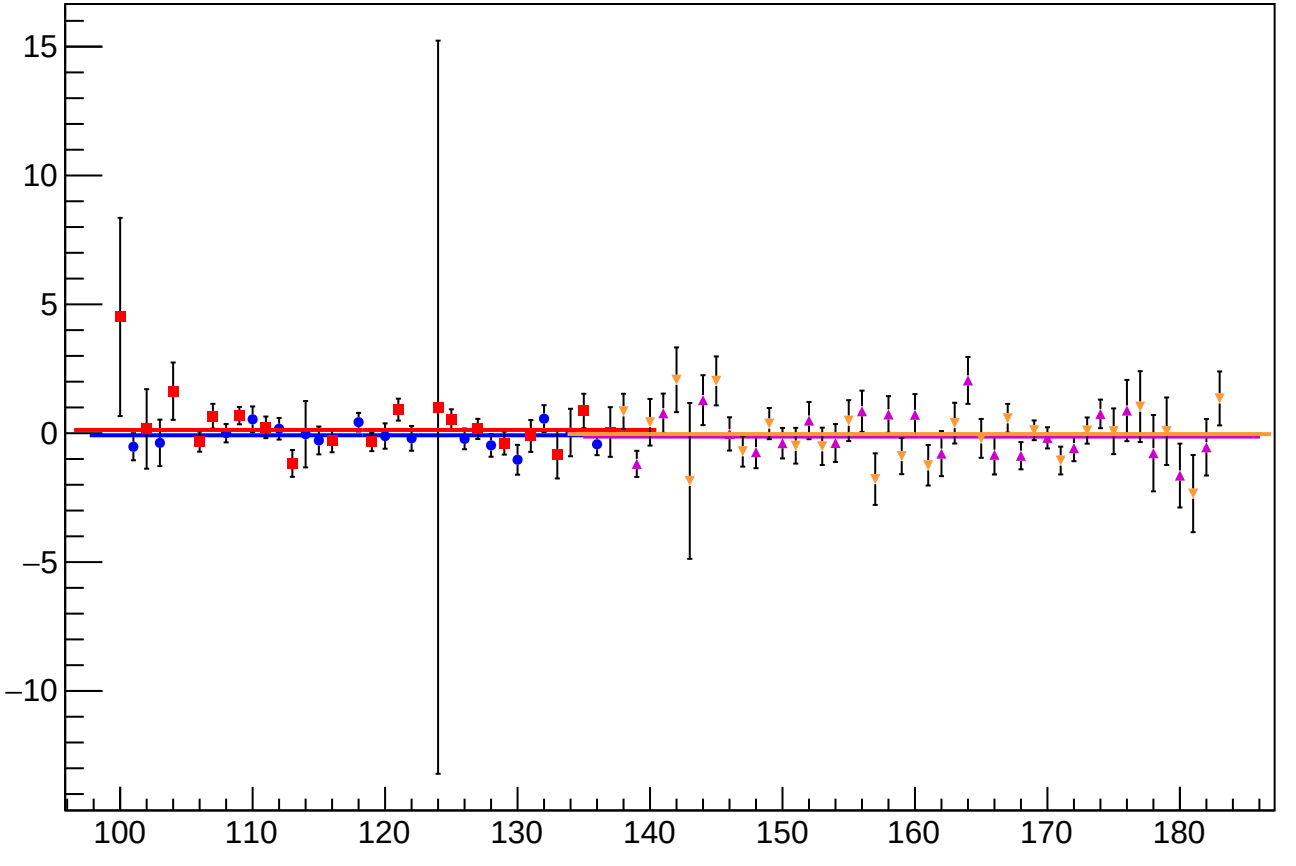
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 422.391+/-0.066 χ^2/NDF:8128346.3/37

Out: 405.174+/-0.065 χ^2/NDF:11890787.5/42

All: 413.621+/-0.046 χ^2/NDF: 20053634.5/80

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.033+/-0.148 χ^2/NDF:29.9/23

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.130+/-0.146 χ^2/NDF:29.0/21

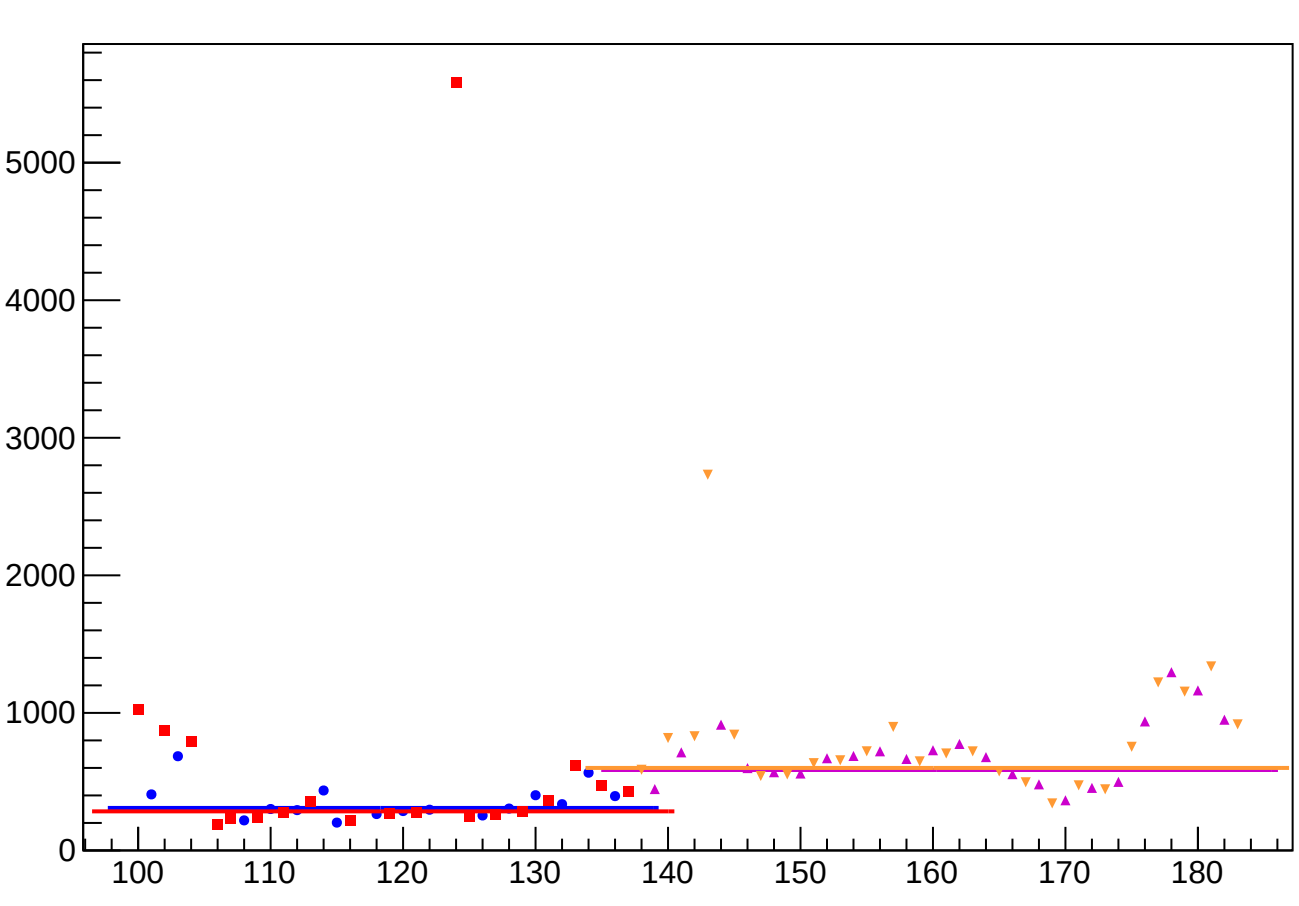
Left: -0.083+/-0.104 χ^2/NDF: 59.1/45

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.101+/-0.094 χ^2/NDF:39.8/37

Out: 0.066+/-0.092 χ^2/NDF:55.9/42

All: -0.016+/-0.066 χ^2/NDF: 97.3/80



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 599.884+/-0.105 χ^2/NDF:4445459.0/23

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 584.968+/-0.103 χ^2/NDF:2904579.1/21

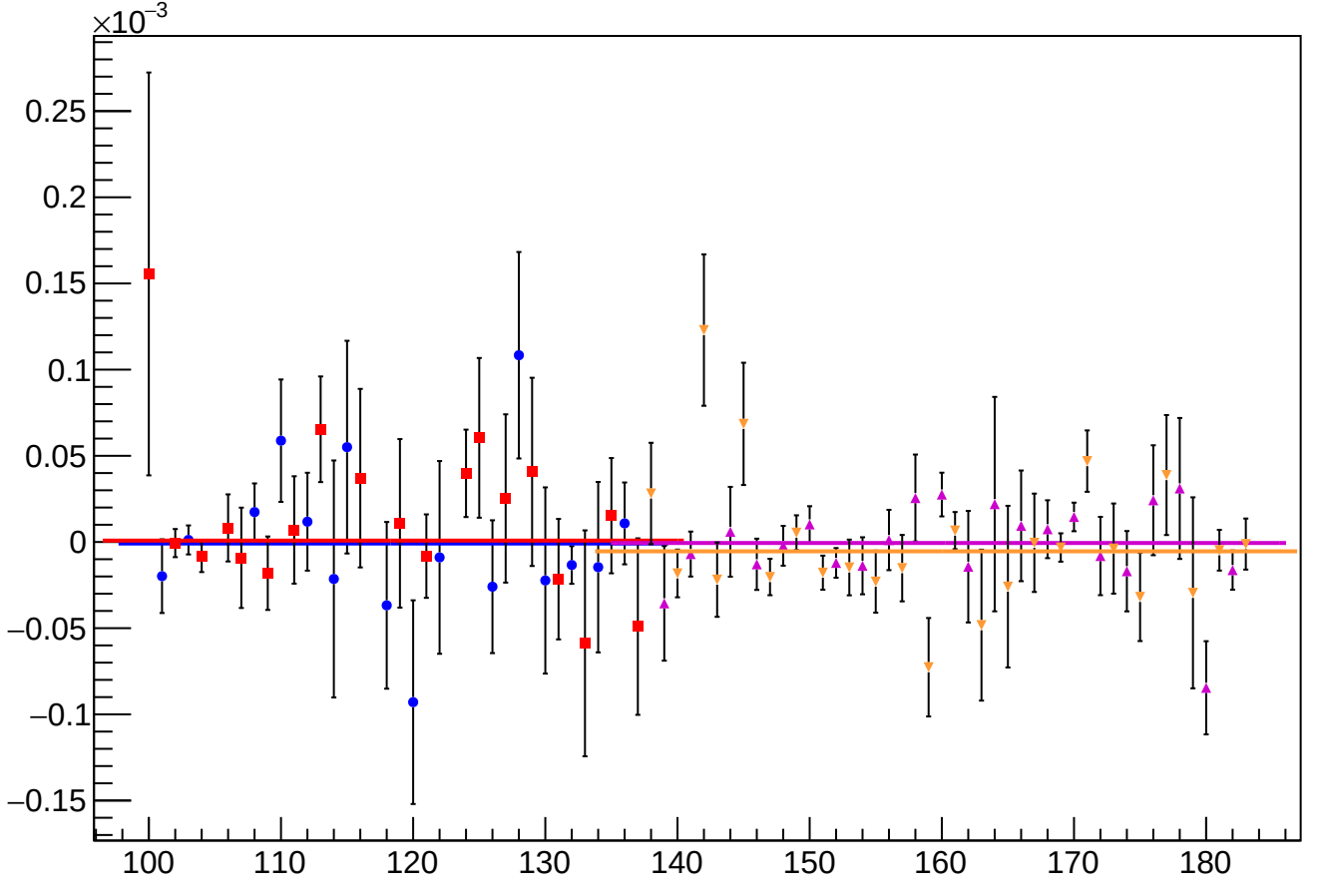
Left: 592.308+/-0.074 χ^2/NDF: 7360312.9/45

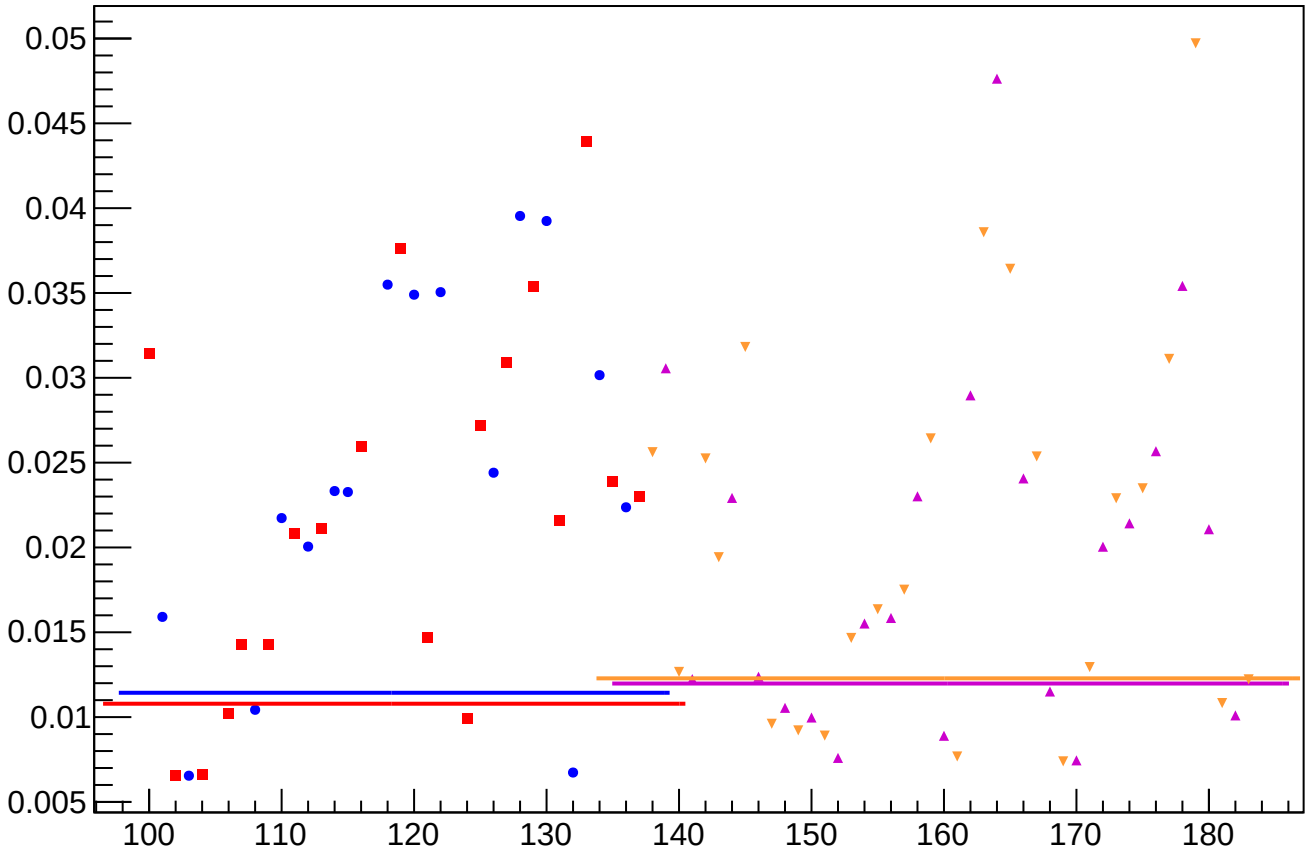
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 422.391+/-0.066 χ^2/NDF:8128346.3/37

Out: 405.174+/-0.065 χ^2/NDF:11890787.5/42

All: 413.621+/-0.046 χ^2/NDF: 20053634.5/80


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:41.5/23
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: 71.5/45
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:58.8/42
All: -0.000+/-0.000 χ²/NDF: 102.8/80



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:7729091.4/23

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:6267743.8/21

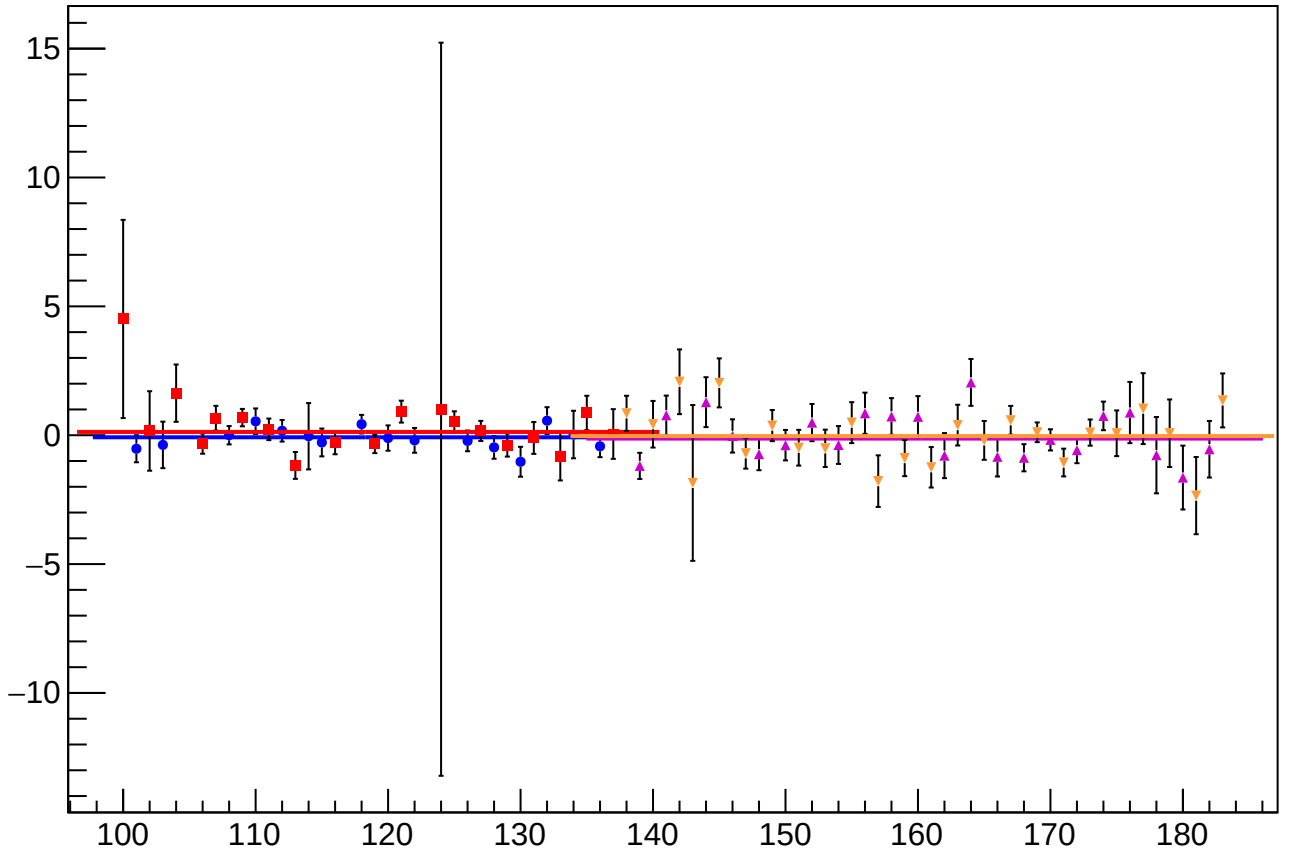
Left: 0.012+/-0.000 χ^2/NDF: 14005518.0/45

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:12334157.5/42

All: 0.012+/-0.000 χ^2/NDF: 23317029.9/80



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.033+/-0.148 χ^2/NDF:29.9/23

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: -0.083+/-0.104 χ^2/NDF: 59.1/45

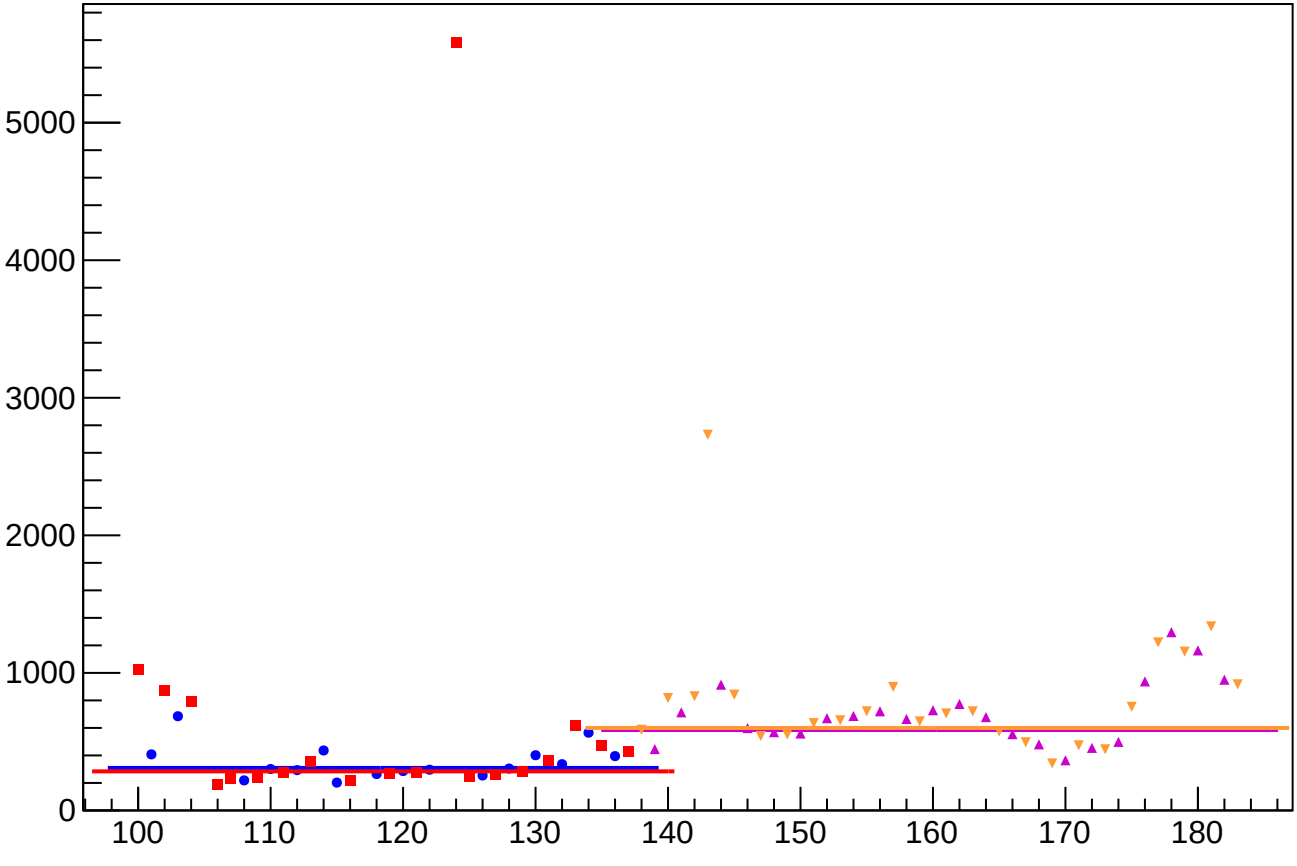
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.101+/-0.094 χ^2/NDF:39.8/37

Out: 0.066+/-0.092 χ^2/NDF:55.9/42

All: -0.016+/-0.066 χ^2/NDF: 97.3/80

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 599.884+/-0.105 χ^2/NDF:4445660.8/23

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 584.971+/-0.103 χ^2/NDF:2904702.5/21

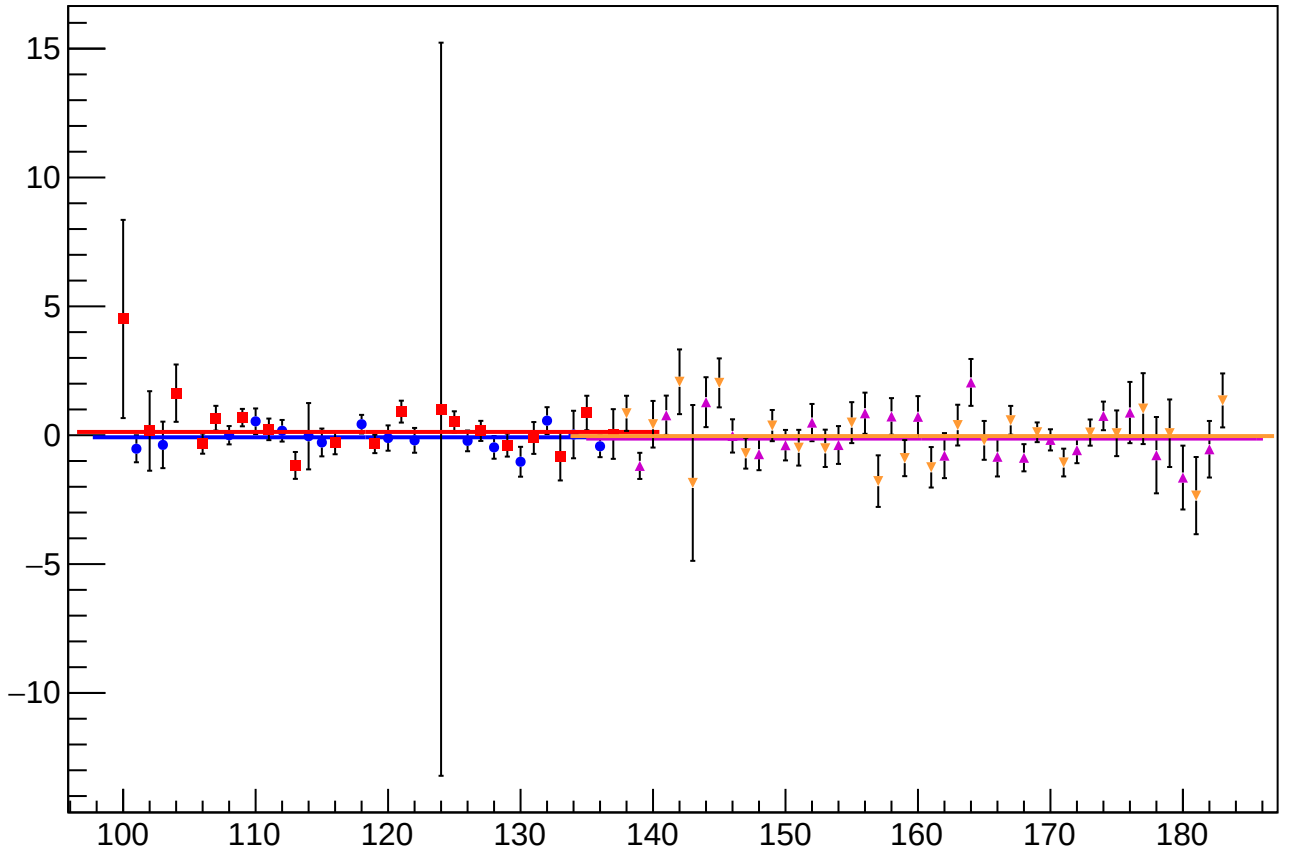
Left: 592.309+/-0.074 χ^2/NDF: 7360634.3/45

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 422.390+/-0.066 χ^2/NDF:8128523.0/37

Out: 405.173+/-0.065 χ^2/NDF:11890989.4/42

All: 413.620+/-0.046 χ^2/NDF: 20054015.6/80



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.033+/-0.148 χ^2/NDF:29.9/23

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: -0.083+/-0.104 χ^2/NDF: 59.1/45

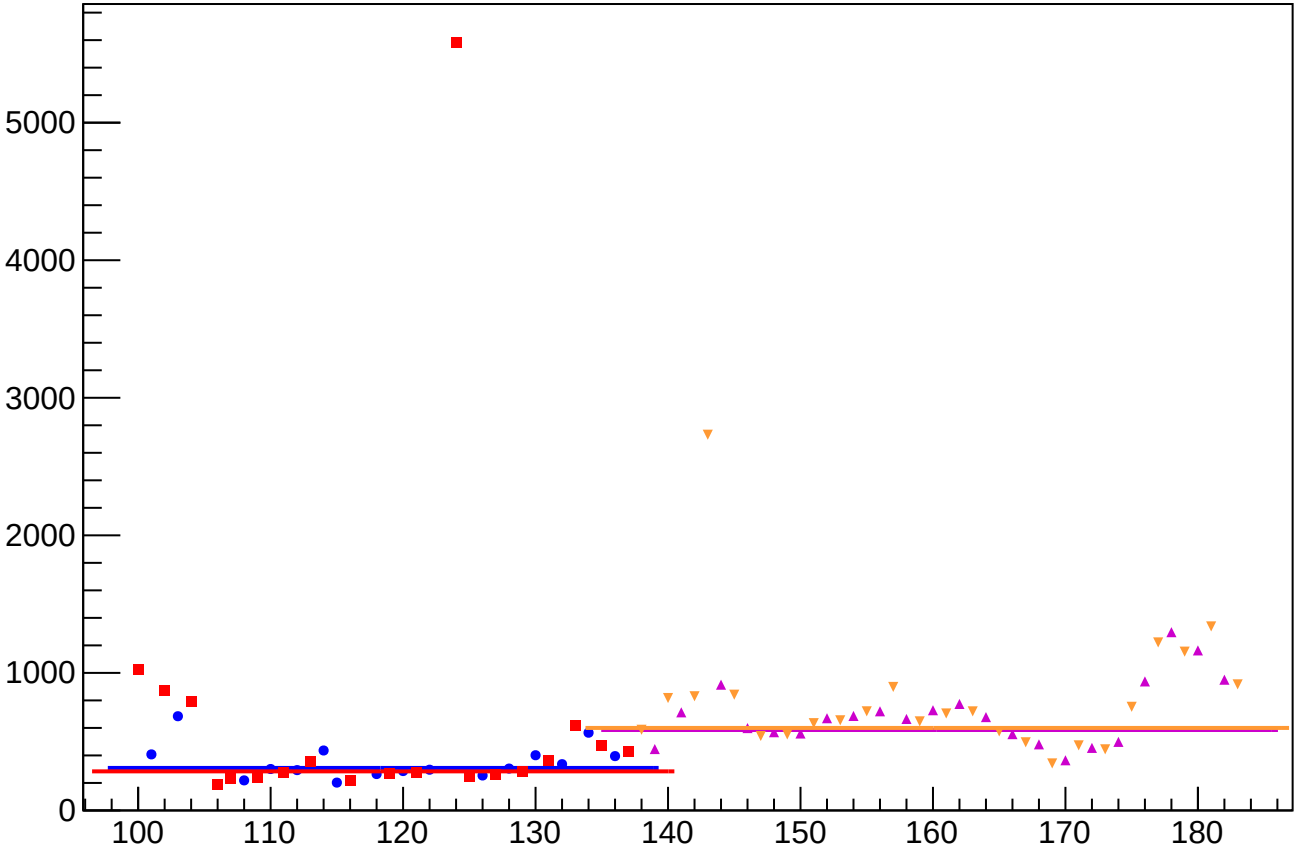
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.101+/-0.094 χ^2/NDF:39.8/37

Out: 0.066+/-0.092 χ^2/NDF:55.9/42

All: -0.016+/-0.066 χ^2/NDF: 97.3/80

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 599.884+/-0.105 χ^2/NDF:4445660.8/23

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 584.971+/-0.103 χ^2/NDF:2904702.5/21

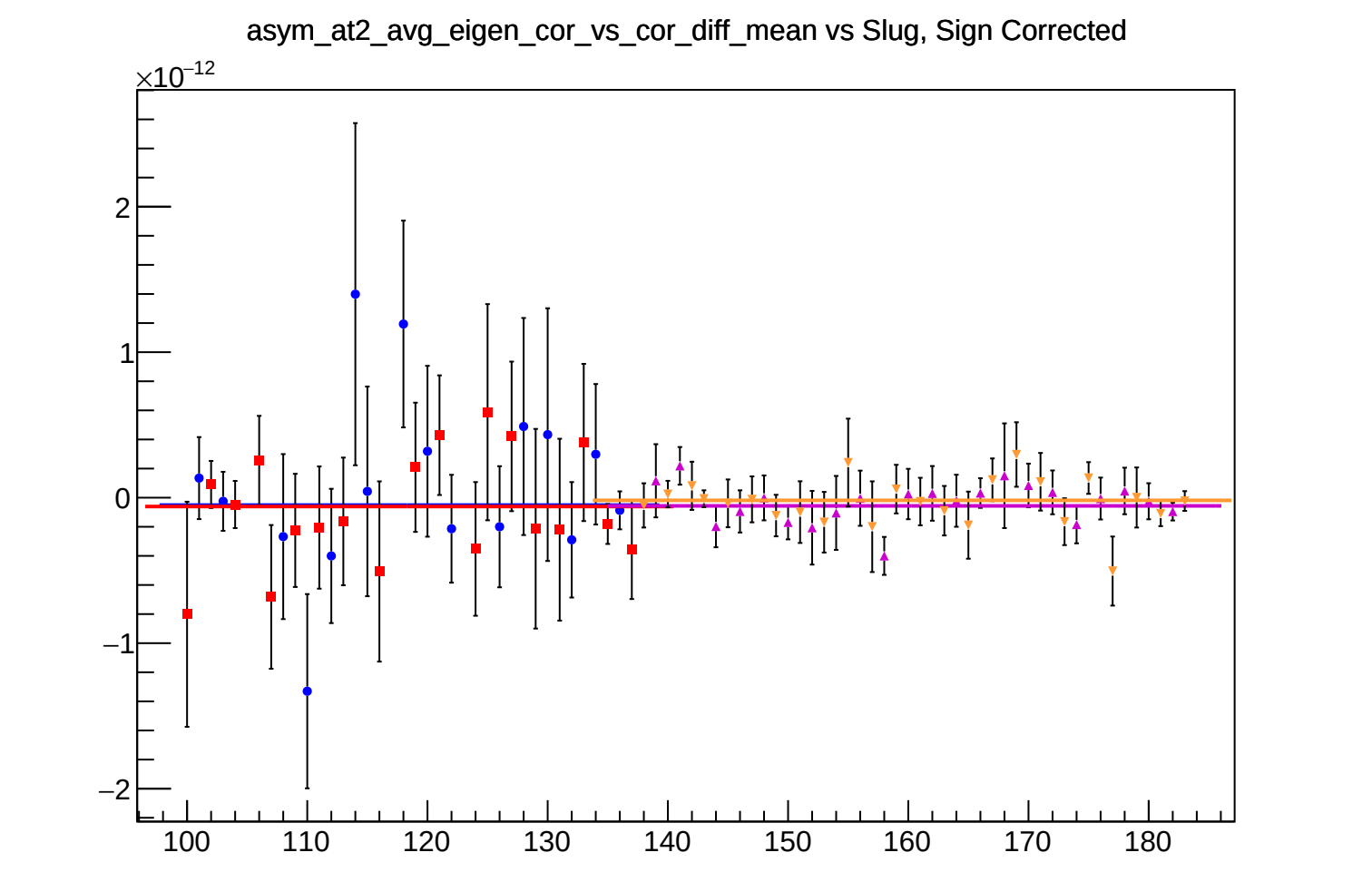
Left: 592.309+/-0.074 χ^2/NDF: 7360634.3/45

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 422.390+/-0.066 χ^2/NDF:8128523.0/37

Out: 405.173+/-0.065 χ^2/NDF:11890989.4/42

All: 413.620+/-0.046 χ^2/NDF: 20054015.6/80



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/21

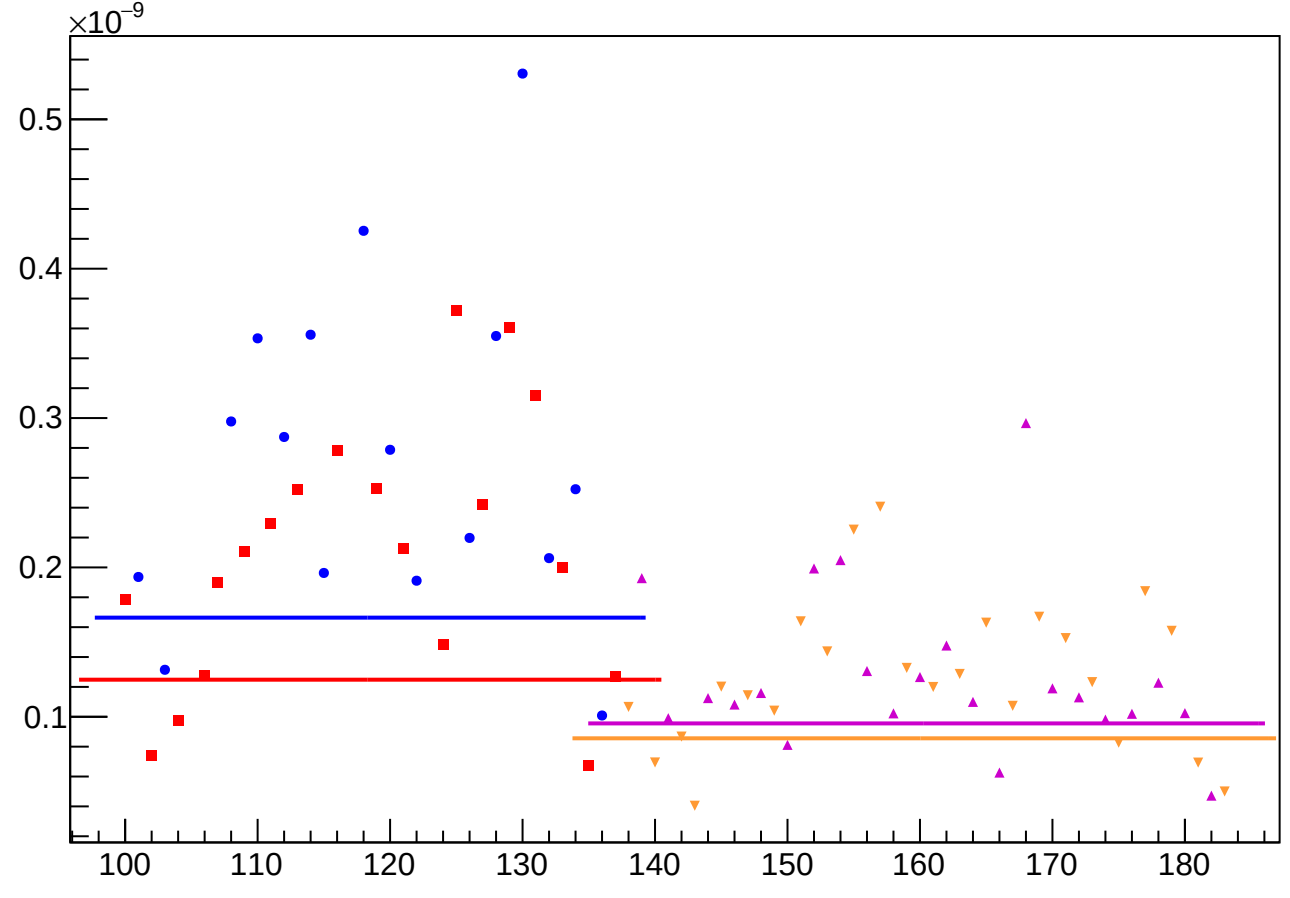
Left: -0.000+/-0.000 χ^2/NDF: 35.6/45

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:31.3/37

Out: -0.000+/-0.000 χ^2/NDF:27.2/42

All: -0.000+/-0.000 χ^2/NDF: 59.2/80



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5332942.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3635474.0/21

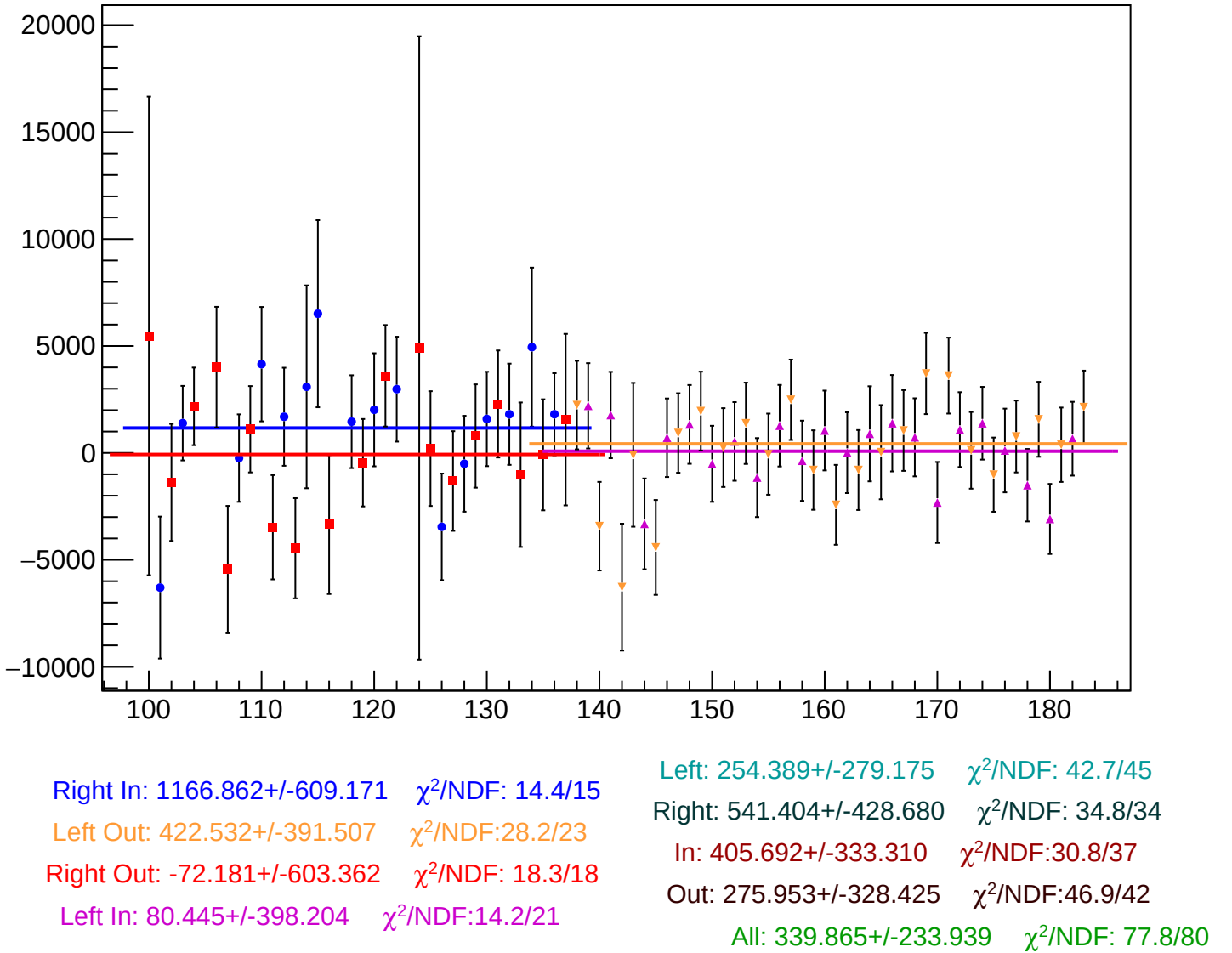
Left: 0.000+/-0.000 χ^2/NDF: 9096331.8/45

Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

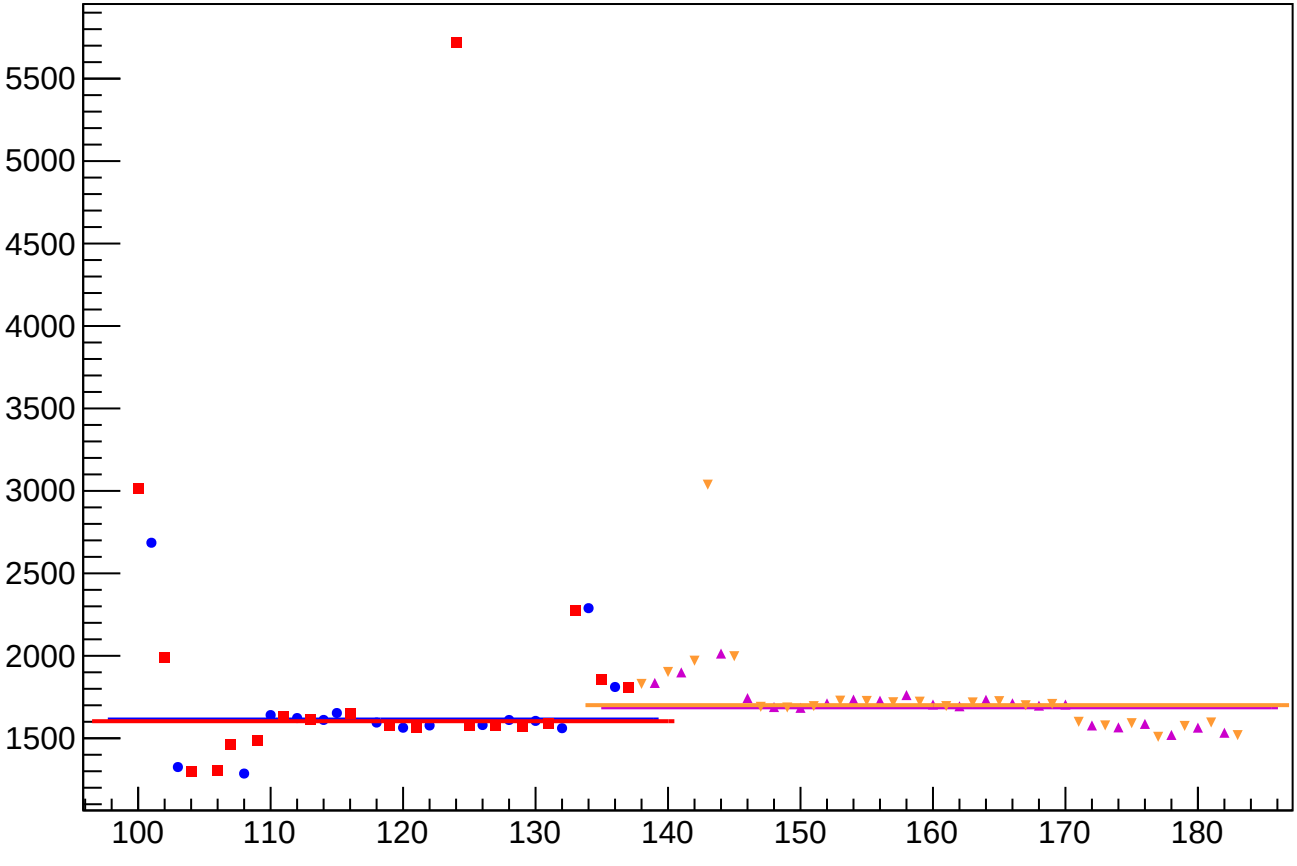
In: 0.000+/-0.000 χ^2/NDF:6874794.9/37

Out: 0.000+/-0.000 χ^2/NDF:8092203.4/42

All: 0.000+/-0.000 χ^2/NDF: 15199993.6/80


reg_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 1166.862+/-609.171 χ²/NDF: 14.4/15
Left Out: 422.532+/-391.507 χ²/NDF:28.2/23
Right Out: -72.181+/-603.362 χ²/NDF: 18.3/18
Left In: 80.445+/-398.204 χ²/NDF:14.2/21
Left: 254.389+/-279.175 χ²/NDF: 42.7/45
Right: 541.404+/-428.680 χ²/NDF: 34.8/34
In: 405.692+/-333.310 χ²/NDF:30.8/37
Out: 275.953+/-328.425 χ²/NDF:46.9/42
All: 339.865+/-233.939 χ²/NDF: 77.8/80

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1700.794+/-0.277 χ^2/NDF:487130.4/23

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1687.651+/-0.282 χ^2/NDF:159312.2/21

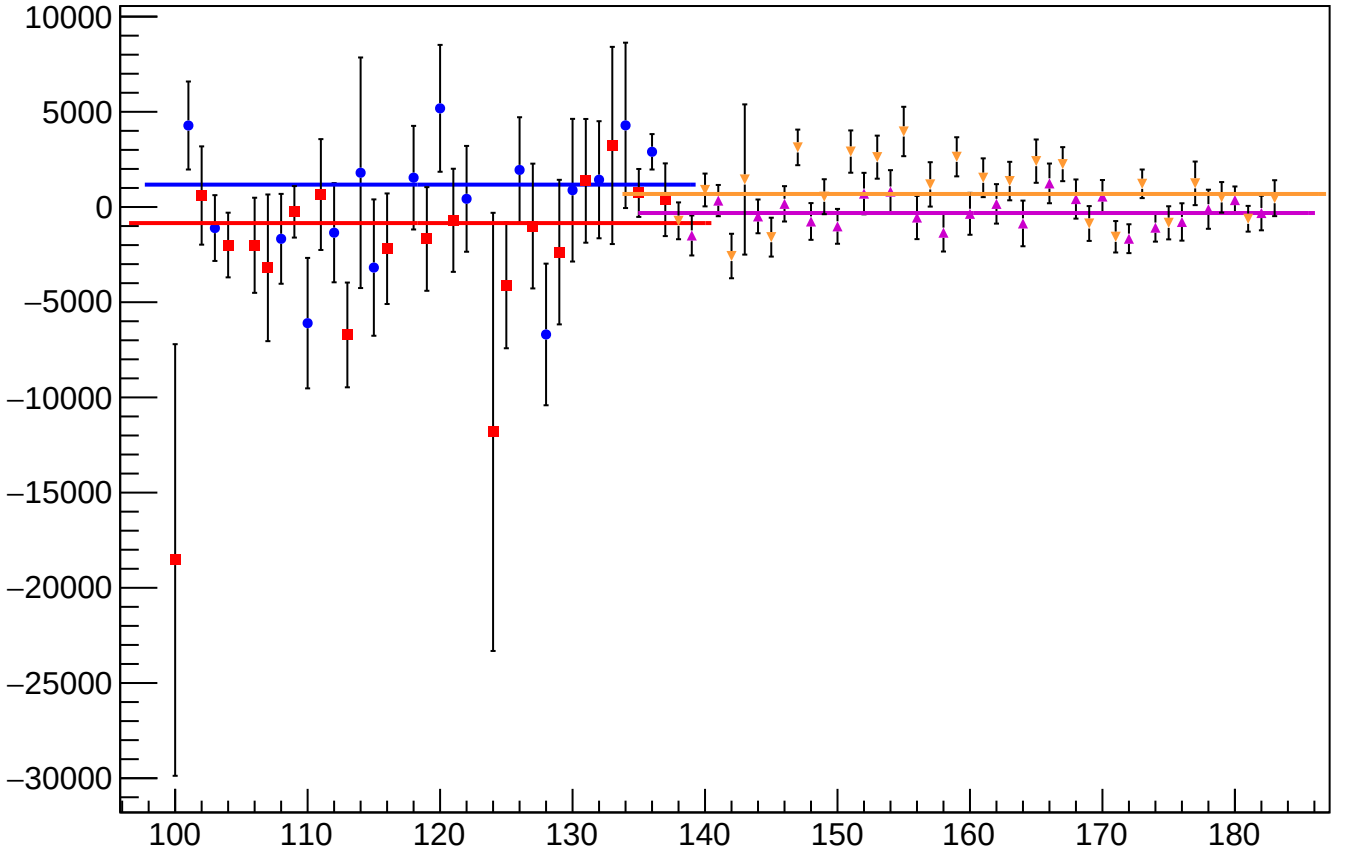
Left: 1694.334+/-0.197 χ^2/NDF: 647550.5/45

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1665.504+/-0.236 χ^2/NDF:584665.7/37

Out: 1671.956+/-0.232 χ^2/NDF:949547.4/42

All: 1668.778+/-0.165 χ^2/NDF: 1534593.3/80



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 685.112+/-197.176 χ^2/NDF:63.3/23

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -315.096+/-200.335 χ^2/NDF:15.6/21

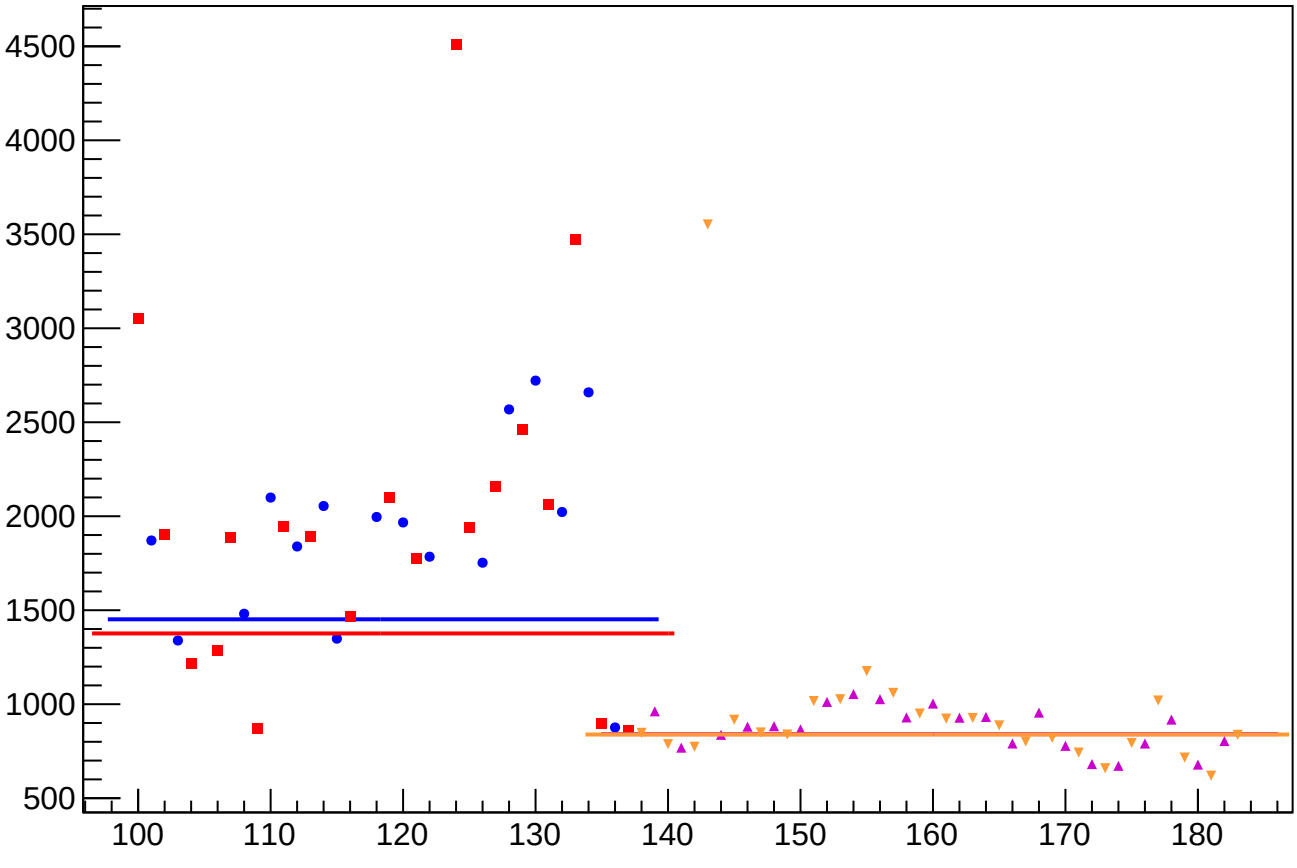
Left: 192.958+/-140.528 χ^2/NDF: 91.6/45

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

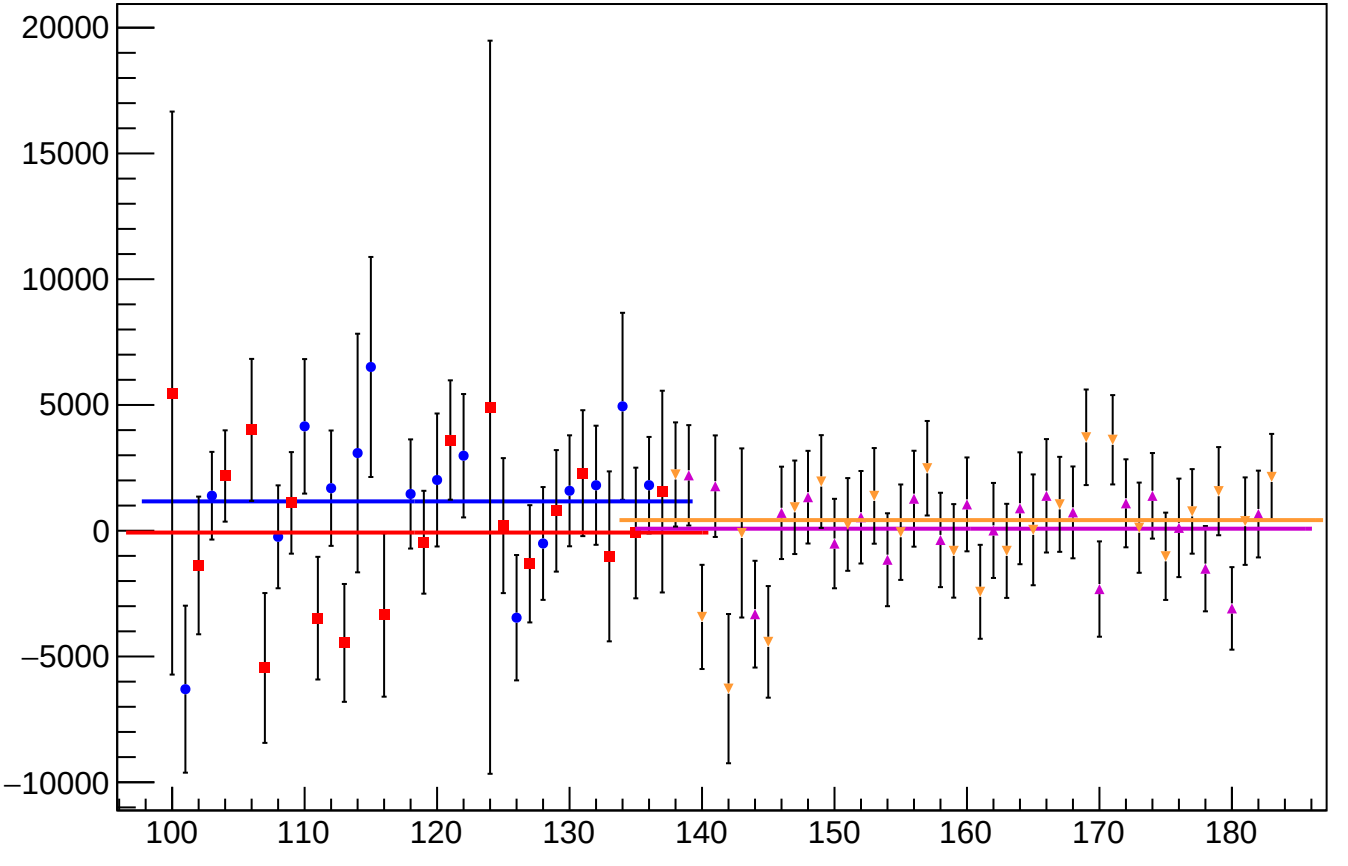
In: -155.758+/-189.325 χ^2/NDF:43.5/37

Out: 515.087+/-185.889 χ^2/NDF:84.3/42

All: 185.806+/-132.642 χ^2/NDF: 134.2/80


asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
Right In: 1451.631+/-0.409 χ²/NDF: 1790839.5/15
Left Out: 838.731+/-0.139 χ²/NDF:1799440.1/23
Right Out: 1376.470+/-0.394 χ²/NDF: 2132051.1/18
Left In: 840.740+/-0.142 χ²/NDF:667752.0/21
Left: 839.719+/-0.099 χ²/NDF: 2467294.2/45
Right: 1412.621+/-0.284 χ²/NDF: 3940379.2/34
In: 906.042+/-0.134 χ²/NDF:4446556.9/37
Out: 898.529+/-0.131 χ²/NDF:5585670.3/42
All: 902.217+/-0.094 χ²/NDF: 10033831.1/80

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 422.458+/-391.507 χ^2/NDF:28.2/23

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: 254.318+/-279.175 χ^2/NDF: 42.7/45

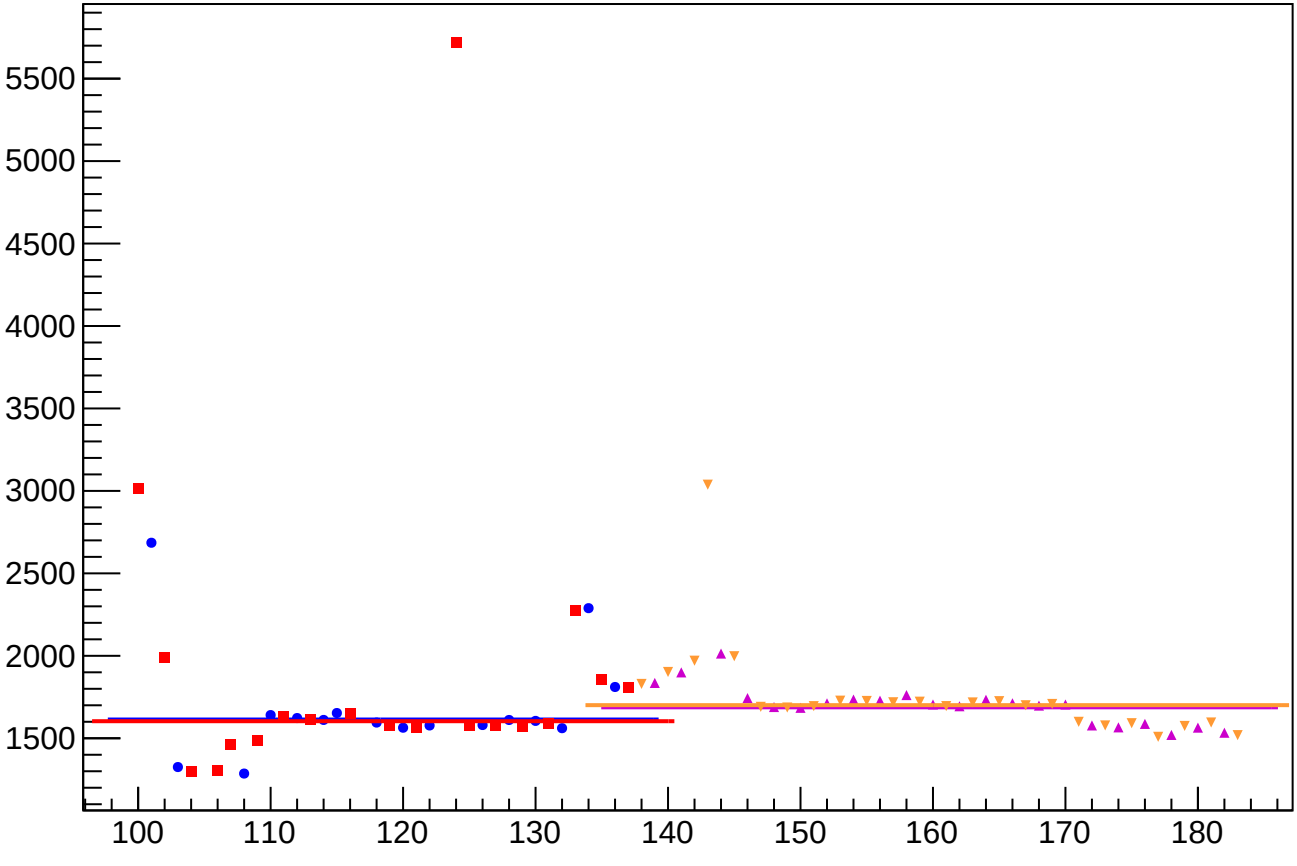
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 405.616+/-333.310 χ^2/NDF:30.8/37

Out: 275.807+/-328.425 χ^2/NDF:46.9/42

All: 339.753+/-233.939 χ^2/NDF: 77.8/80

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1700.794+/-0.277 χ^2/NDF:487130.4/23

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1687.651+/-0.282 χ^2/NDF:159312.2/21

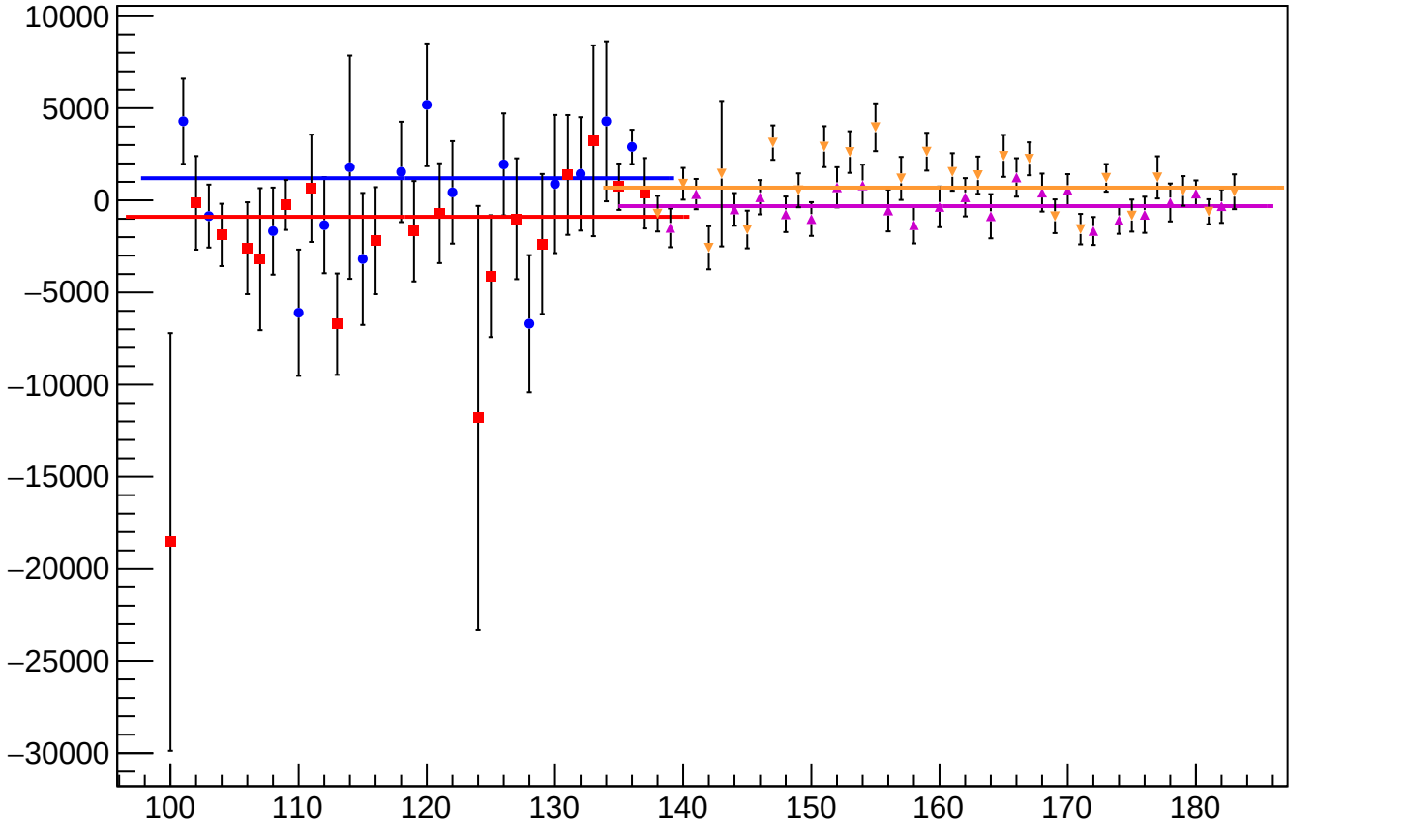
Left: 1694.334+/-0.197 χ^2/NDF: 647550.4/45

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1665.504+/-0.236 χ^2/NDF:584666.0/37

Out: 1671.956+/-0.232 χ^2/NDF:949547.5/42

All: 1668.778+/-0.165 χ^2/NDF: 1534593.7/80



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 685.116+/-197.178 χ^2/NDF:63.3/23

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -315.076+/-200.336 χ^2/NDF:15.6/21

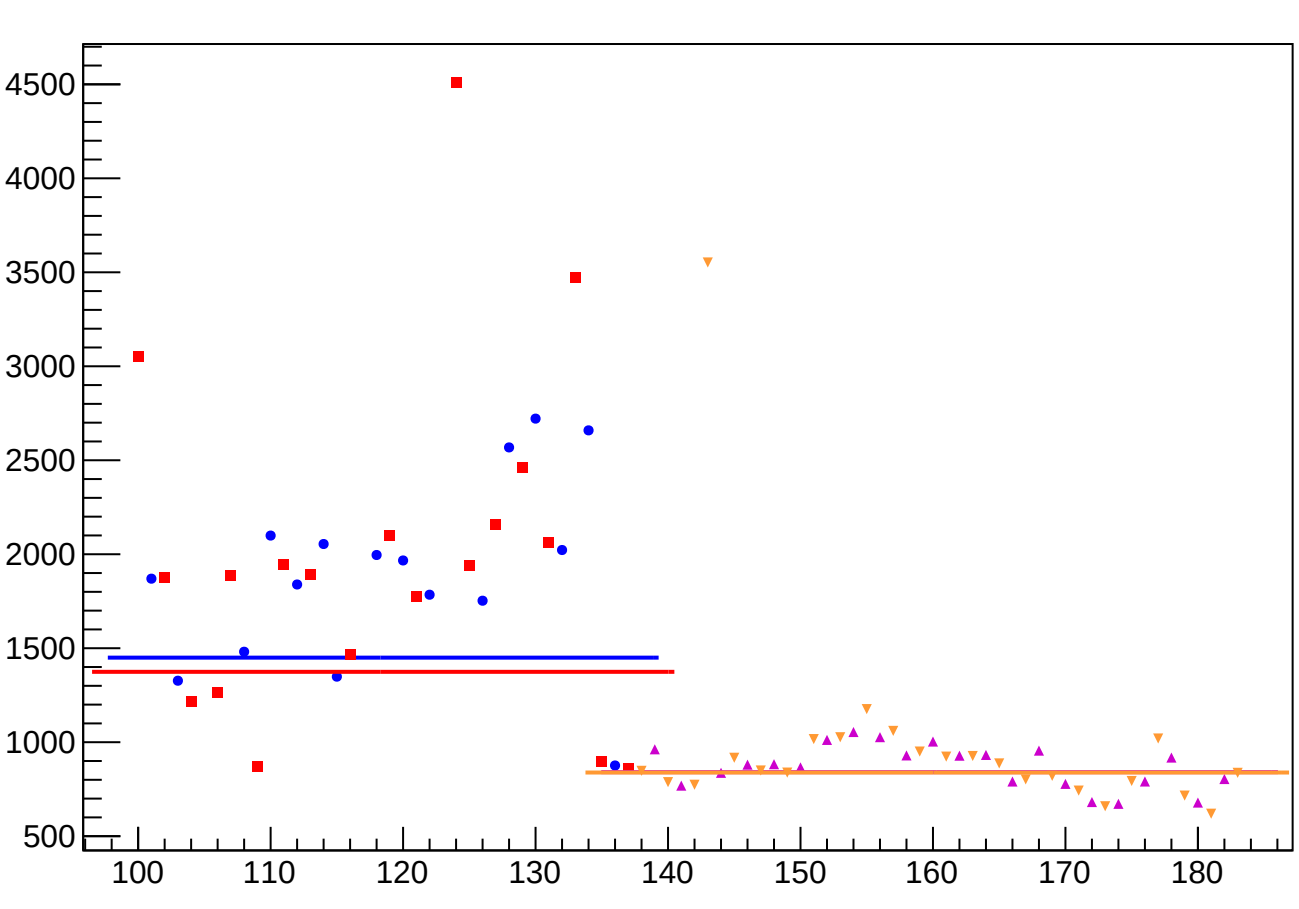
Left: 192.965+/-140.529 χ^2/NDF: 91.6/45

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -152.885+/-189.297 χ^2/NDF:43.4/37

Out: 508.914+/-185.863 χ^2/NDF:84.7/42

All: 184.072+/-132.622 χ^2/NDF: 134.3/80



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 838.742+/-0.139 χ^2/NDF:1799332.4/23

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 840.742+/-0.142 χ^2/NDF:667748.8/21

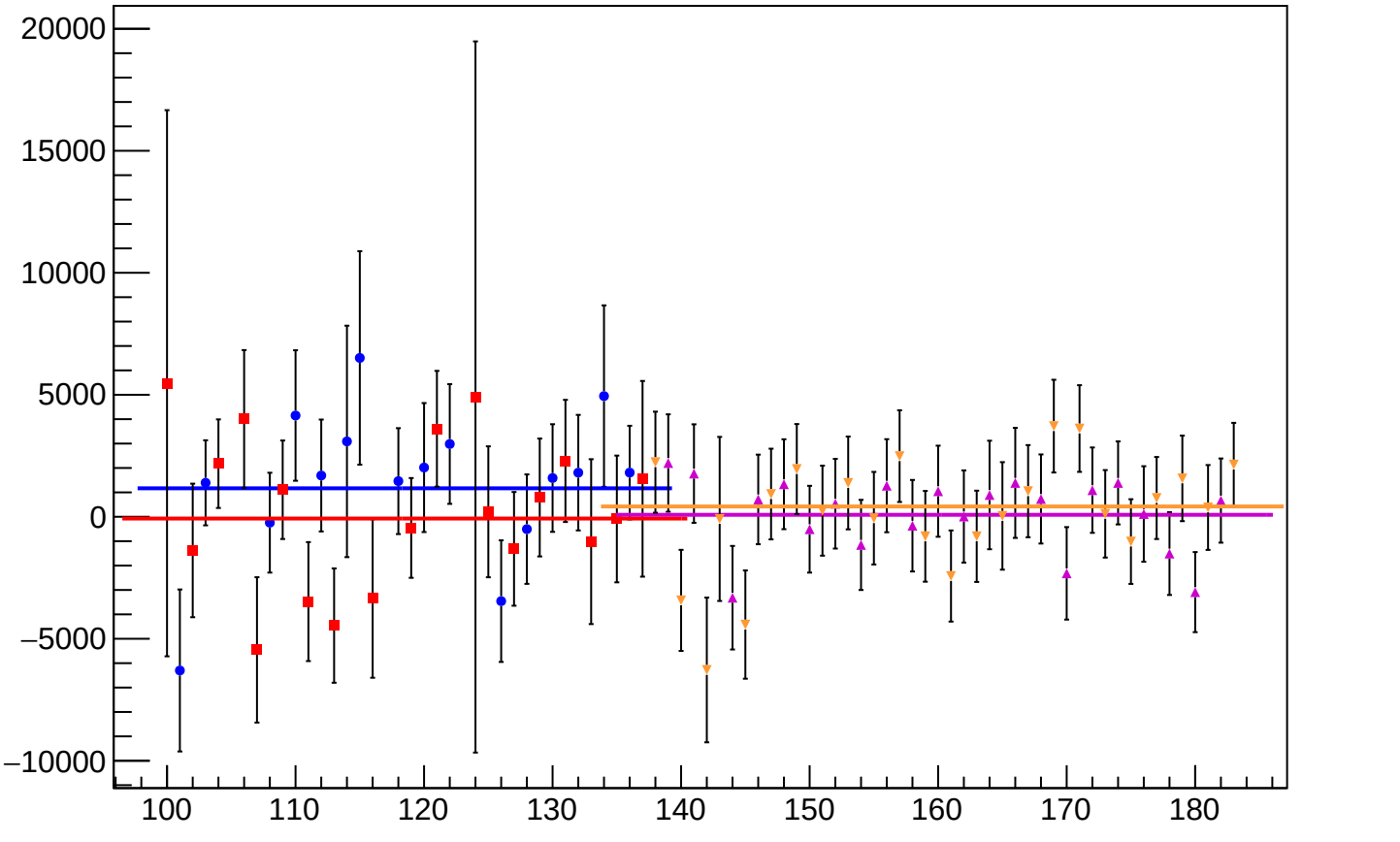
Left: 839.726+/-0.099 χ^2/NDF: 2467182.5/45

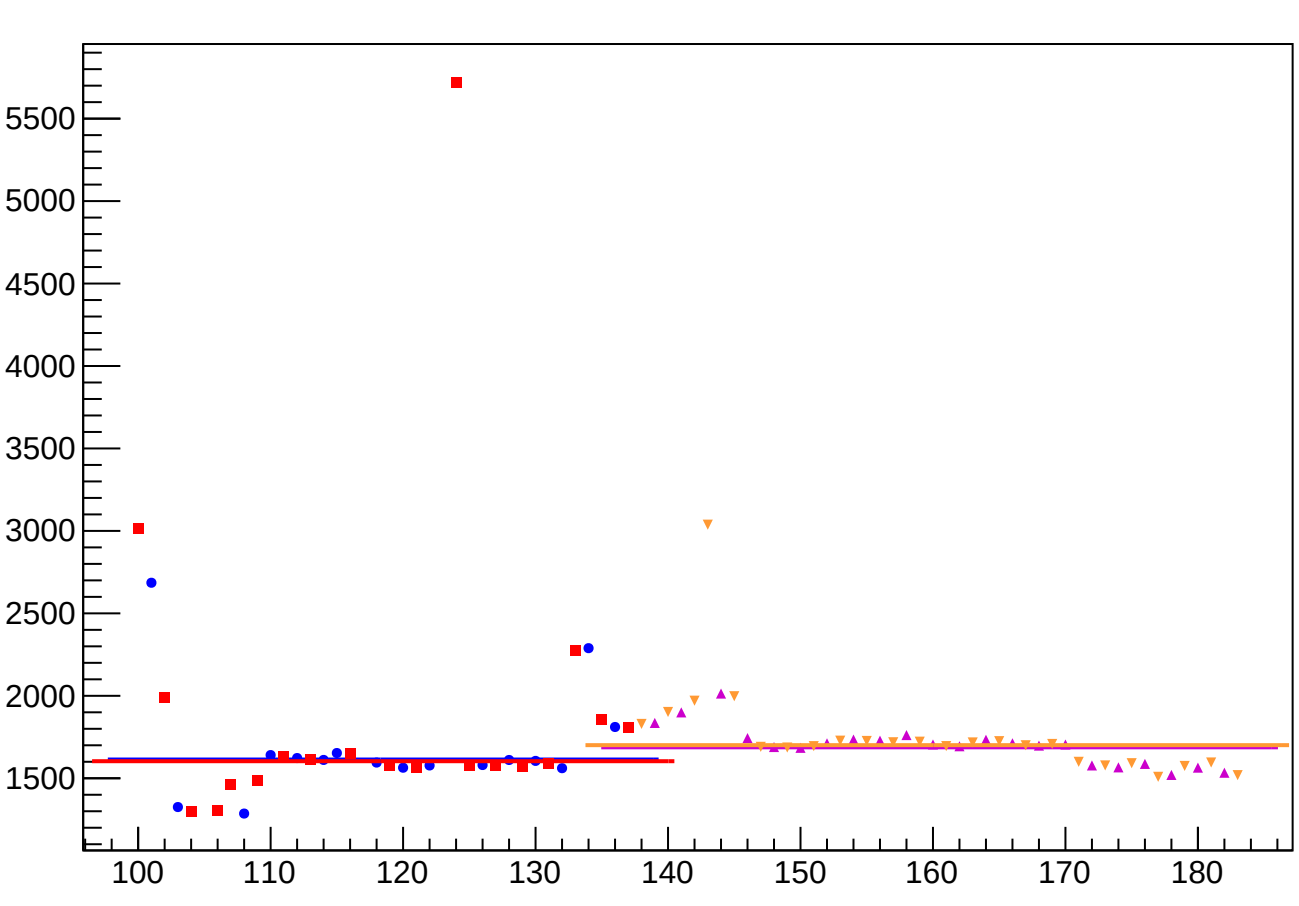
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 906.029+/-0.134 χ^2/NDF:4442391.4/37

Out: 898.461+/-0.131 χ^2/NDF:5572701.9/42

All: 902.176+/-0.094 χ^2/NDF: 10016721.0/80


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: 422.458+/-391.507 χ²/NDF:28.2/23
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 80.376+/-398.204 χ²/NDF:14.2/21
Left: 254.318+/-279.175 χ²/NDF: 42.7/45
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 405.616+/-333.310 χ²/NDF:30.8/37
Out: 275.807+/-328.425 χ²/NDF:46.9/42
All: 339.753+/-233.939 χ²/NDF: 77.8/80



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1700.794+/-0.277 χ^2/NDF:487130.4/23

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1687.651+/-0.282 χ^2/NDF:159312.2/21

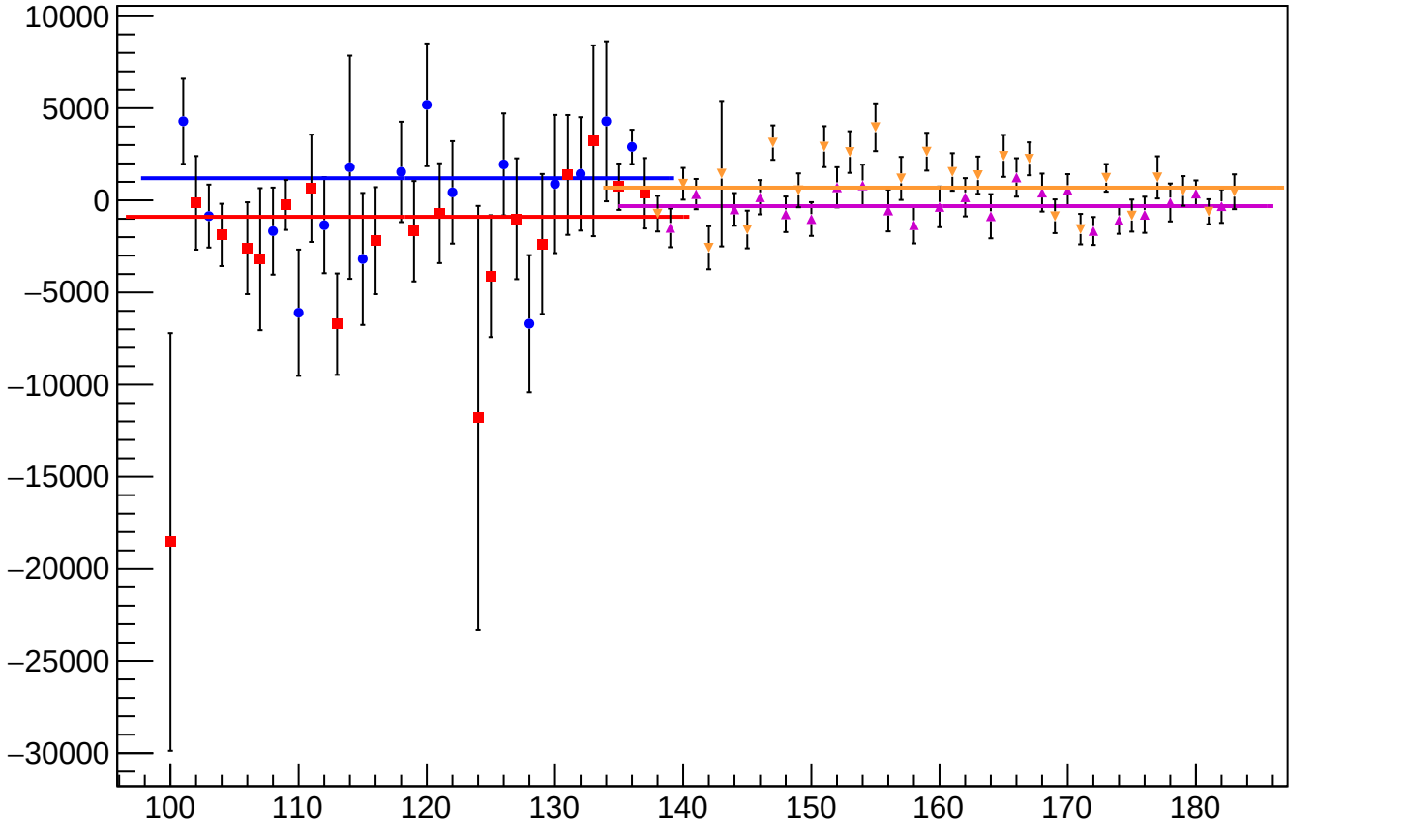
Left: 1694.334+/-0.197 χ^2/NDF: 647550.4/45

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1665.504+/-0.236 χ^2/NDF:584666.0/37

Out: 1671.956+/-0.232 χ^2/NDF:949547.5/42

All: 1668.778+/-0.165 χ^2/NDF: 1534593.7/80



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 685.116+/-197.178 χ^2/NDF:63.3/23

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -315.076+/-200.336 χ^2/NDF:15.6/21

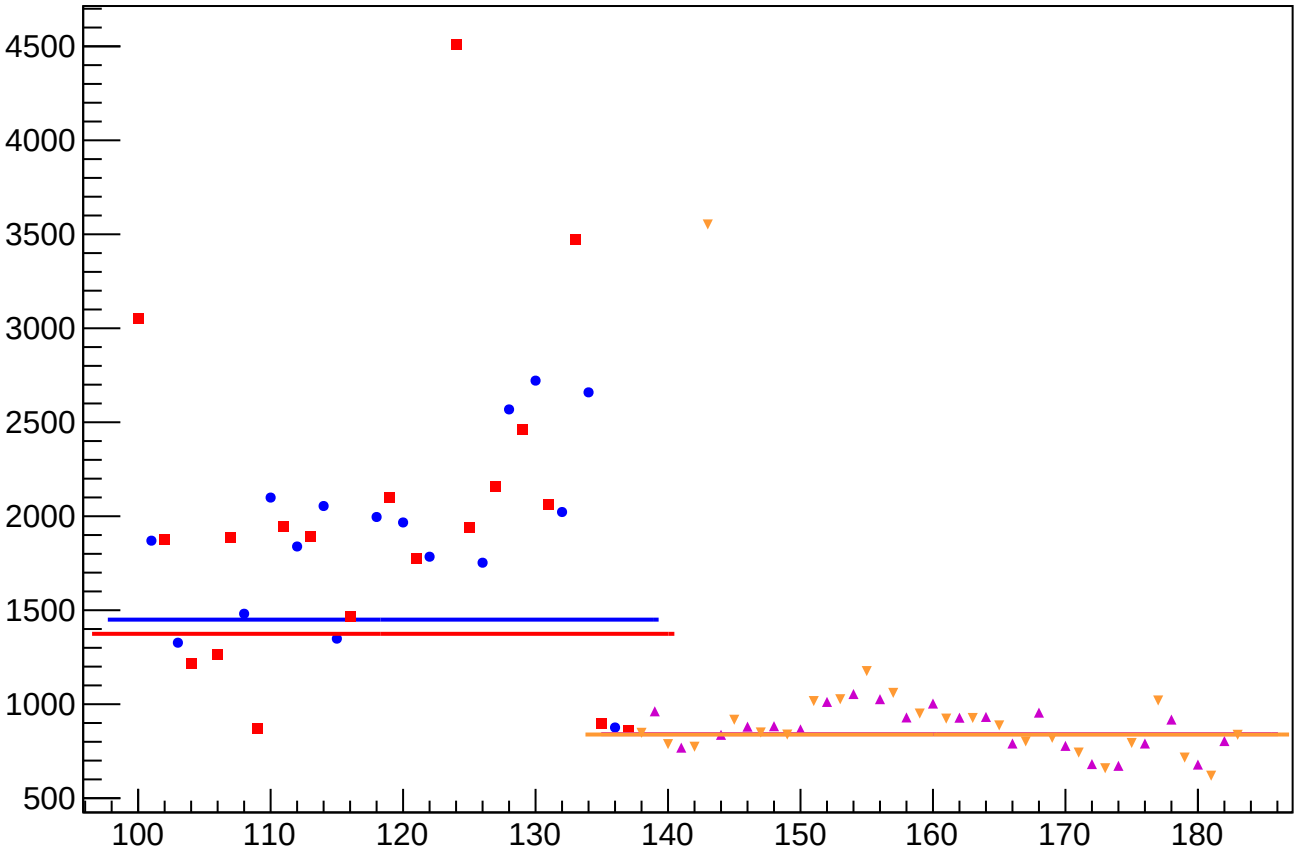
Left: 192.965+/-140.529 χ^2/NDF: 91.6/45

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -152.885+/-189.297 χ^2/NDF:43.4/37

Out: 508.914+/-185.863 χ^2/NDF:84.7/42

All: 184.072+/-132.622 χ^2/NDF: 134.3/80



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 838.742+/-0.139 χ^2/NDF:1799332.4/23

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: 839.726+/-0.099 χ^2/NDF: 2467182.5/45

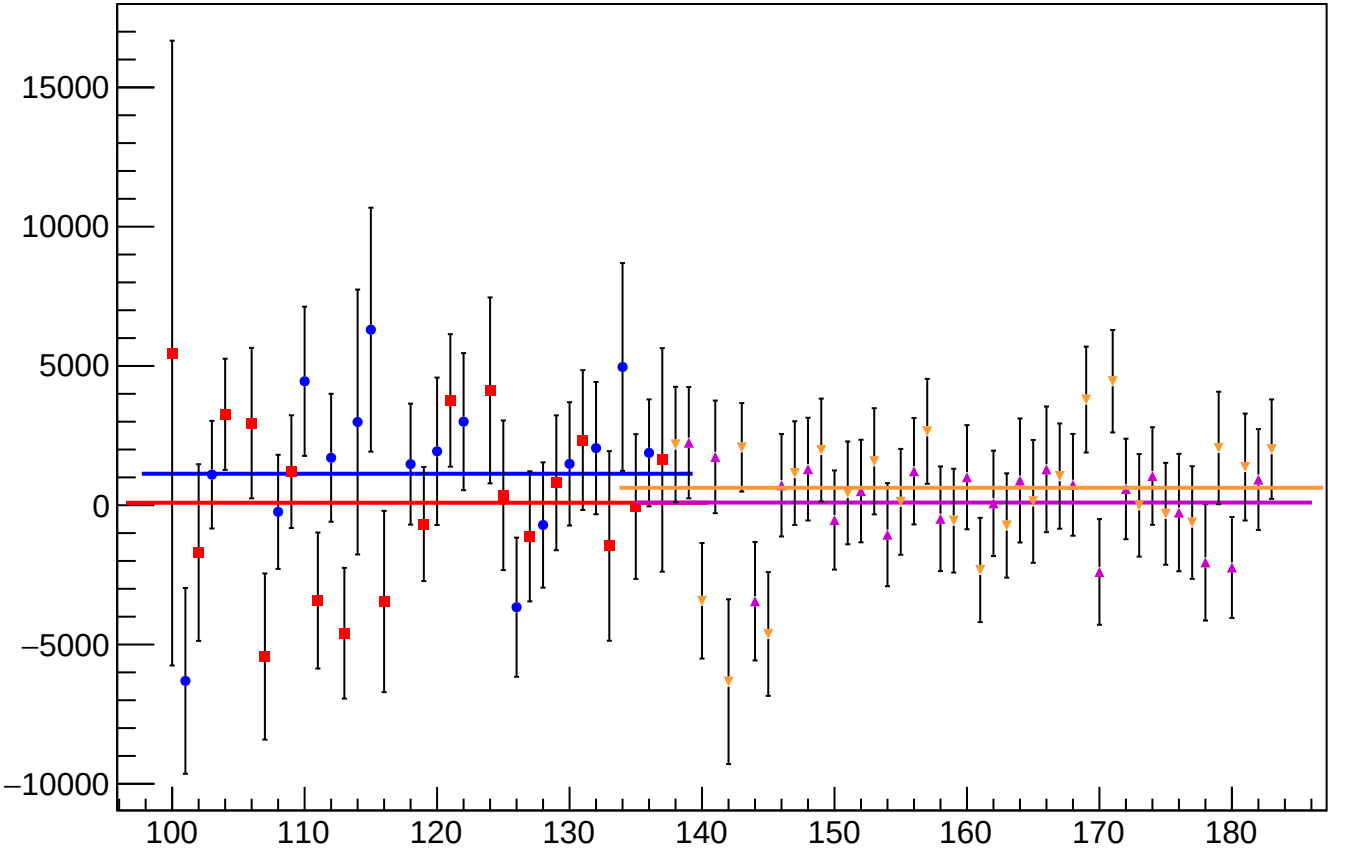
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 906.029+/-0.134 χ^2/NDF:4442391.4/37

Out: 898.461+/-0.131 χ^2/NDF:5572701.9/42

All: 902.176+/-0.094 χ^2/NDF: 10016721.0/80

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 626.520+/-392.967 χ^2/NDF:31.1/23

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 96.251+/-408.048 χ^2/NDF:11.9/21

Left: 371.365+/-283.051 χ^2/NDF: 43.9/45

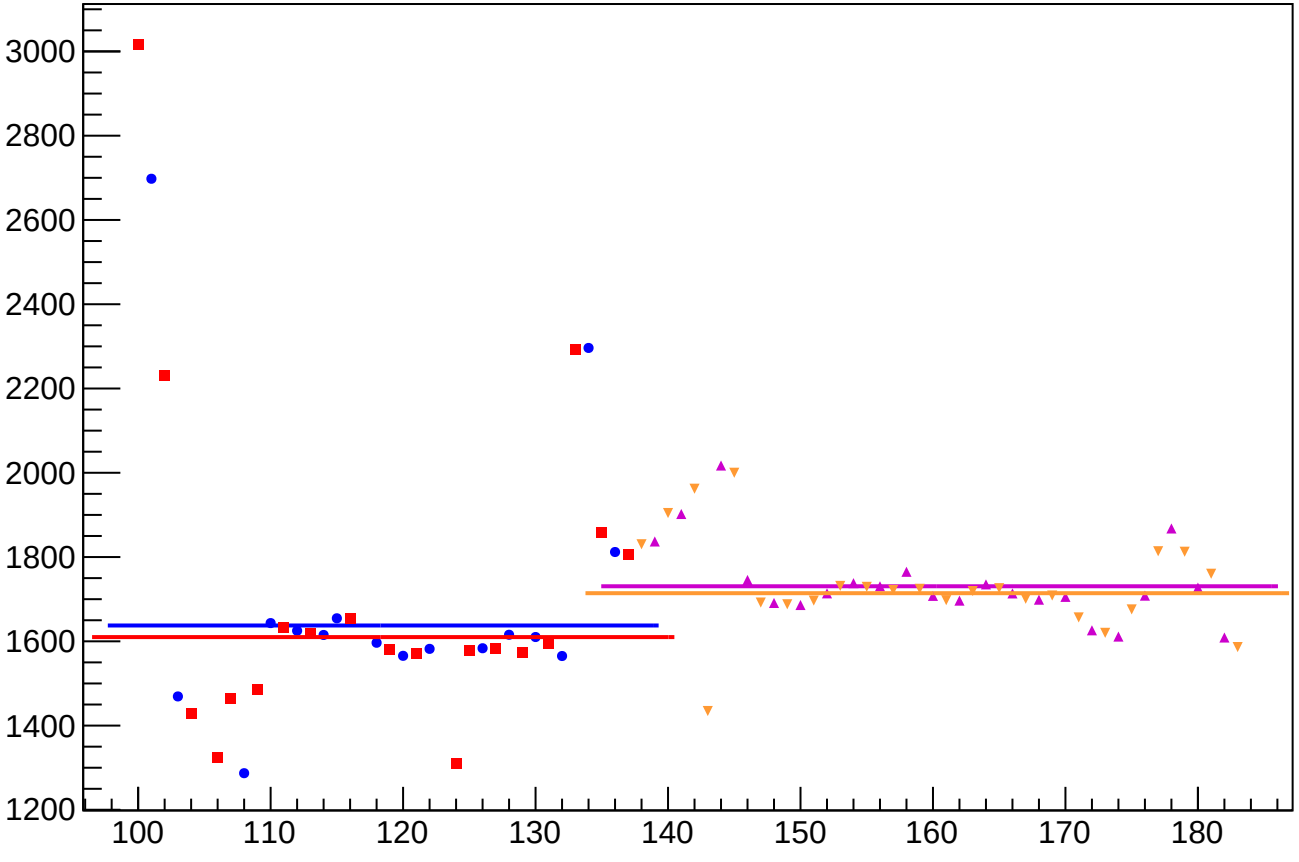
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 410.860+/-340.390 χ^2/NDF:28.9/37

Out: 466.380+/-329.239 χ^2/NDF:52.3/42

All: 439.544+/-236.651 χ^2/NDF: 81.2/80

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1714.225+/-0.278 χ^2/NDF:162958.5/23

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1730.670+/-0.289 χ^2/NDF:95491.7/21

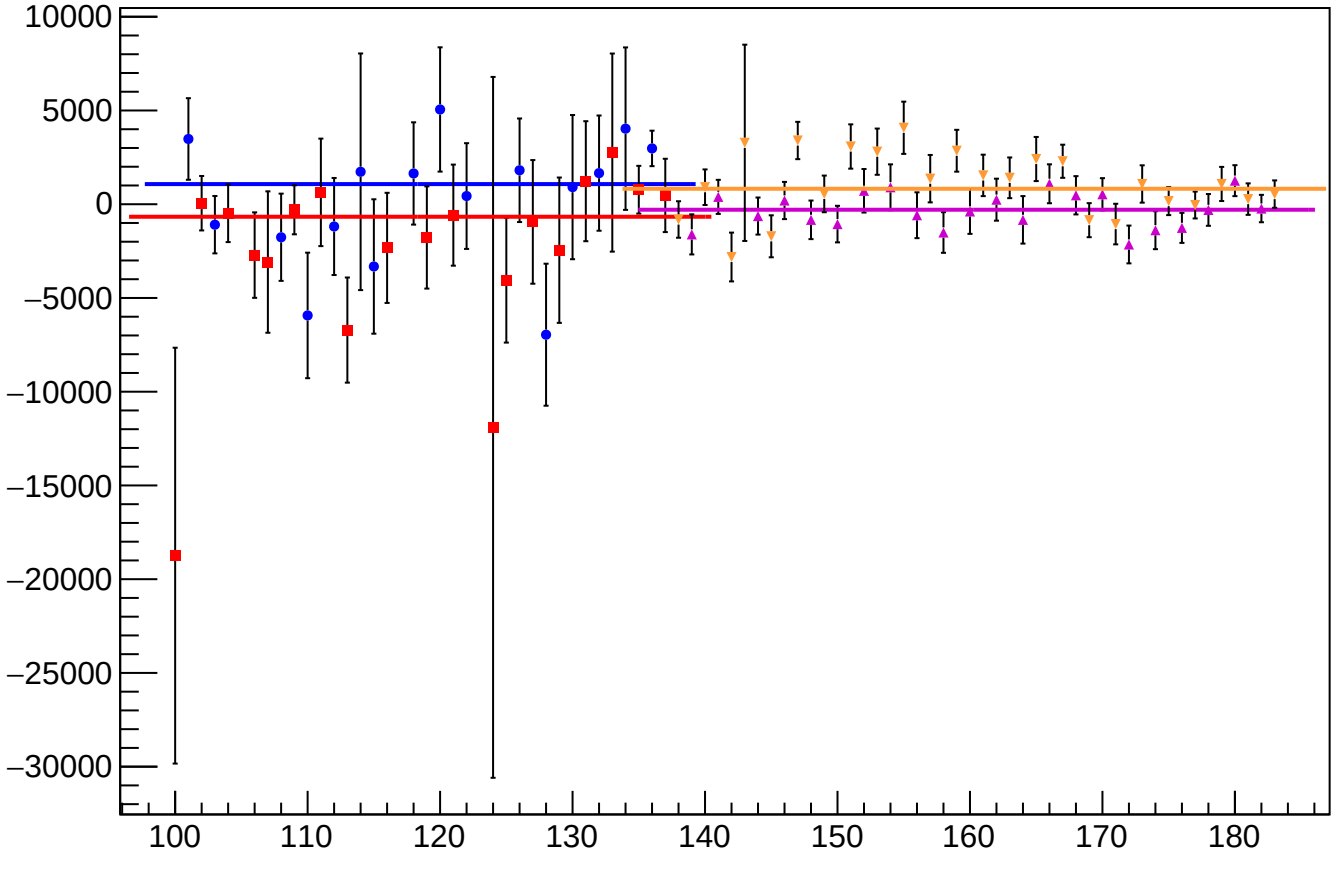
Left: 1722.138+/-0.200 χ^2/NDF: 260135.4/45

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1702.357+/-0.241 χ^2/NDF:488569.4/37

Out: 1683.174+/-0.233 χ^2/NDF:485668.5/42

All: 1692.446+/-0.167 χ^2/NDF: 977519.5/80



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 824.706+/-204.332 χ^2/NDF:52.6/23

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -293.936+/-210.058 χ^2/NDF:19.6/21

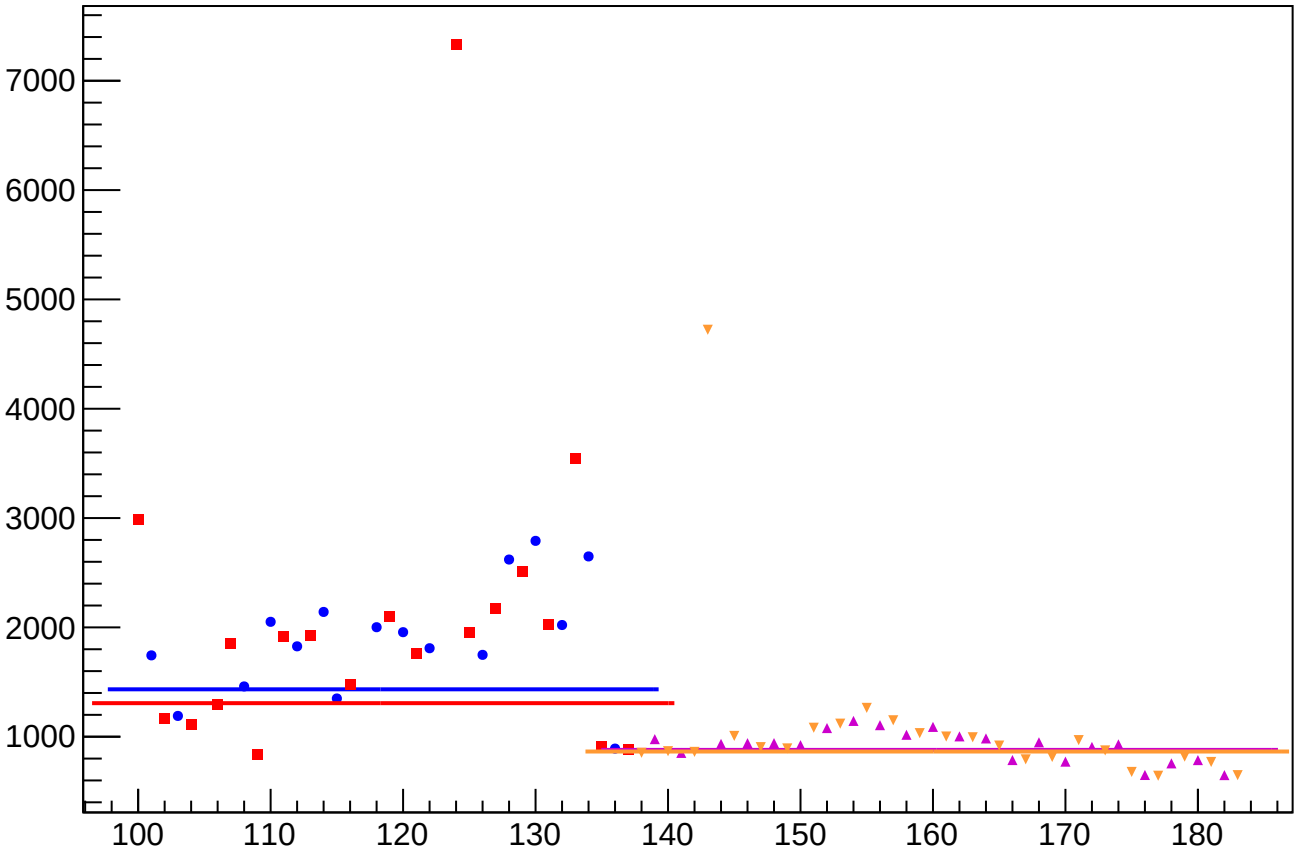
Left: 280.840+/-146.467 χ^2/NDF: 86.8/45

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -131.230+/-197.166 χ^2/NDF:46.7/37

Out: 627.375+/-190.345 χ^2/NDF:73.2/42

All: 261.422+/-136.942 χ^2/NDF: 127.5/80



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 864.625+/-0.144 χ^2/NDF:2213138.0/23

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 879.334+/-0.149 χ^2/NDF:892161.1/21

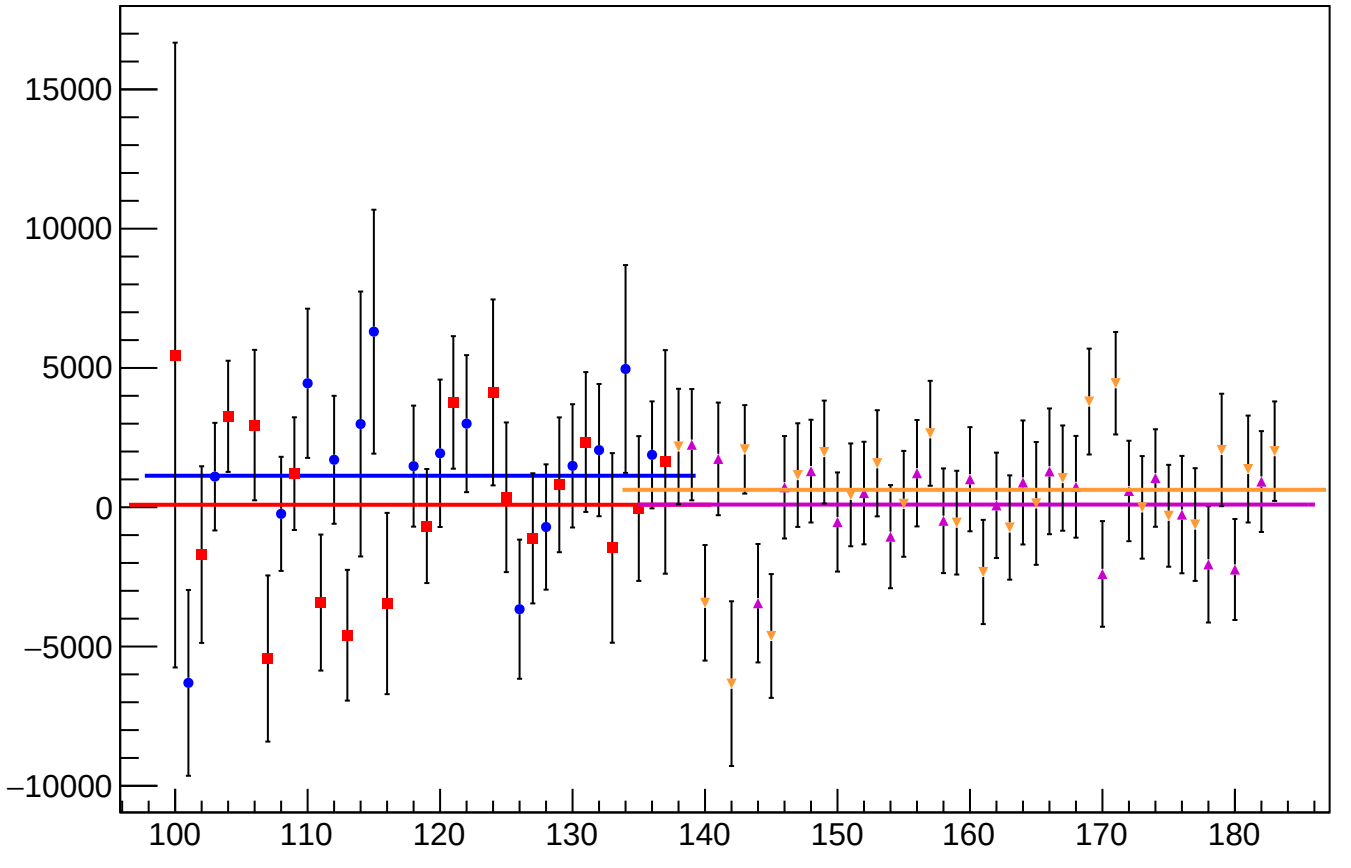
Left: 871.776+/-0.104 χ^2/NDF: 3110337.5/45

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 945.265+/-0.139 χ^2/NDF:4311662.3/37

Out: 923.097+/-0.135 χ^2/NDF:5635738.7/42

All: 933.791+/-0.097 χ^2/NDF: 9960486.6/80



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 626.516+/-392.967 χ^2/NDF:31.1/23

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: 371.363+/-283.051 χ^2/NDF: 43.9/45

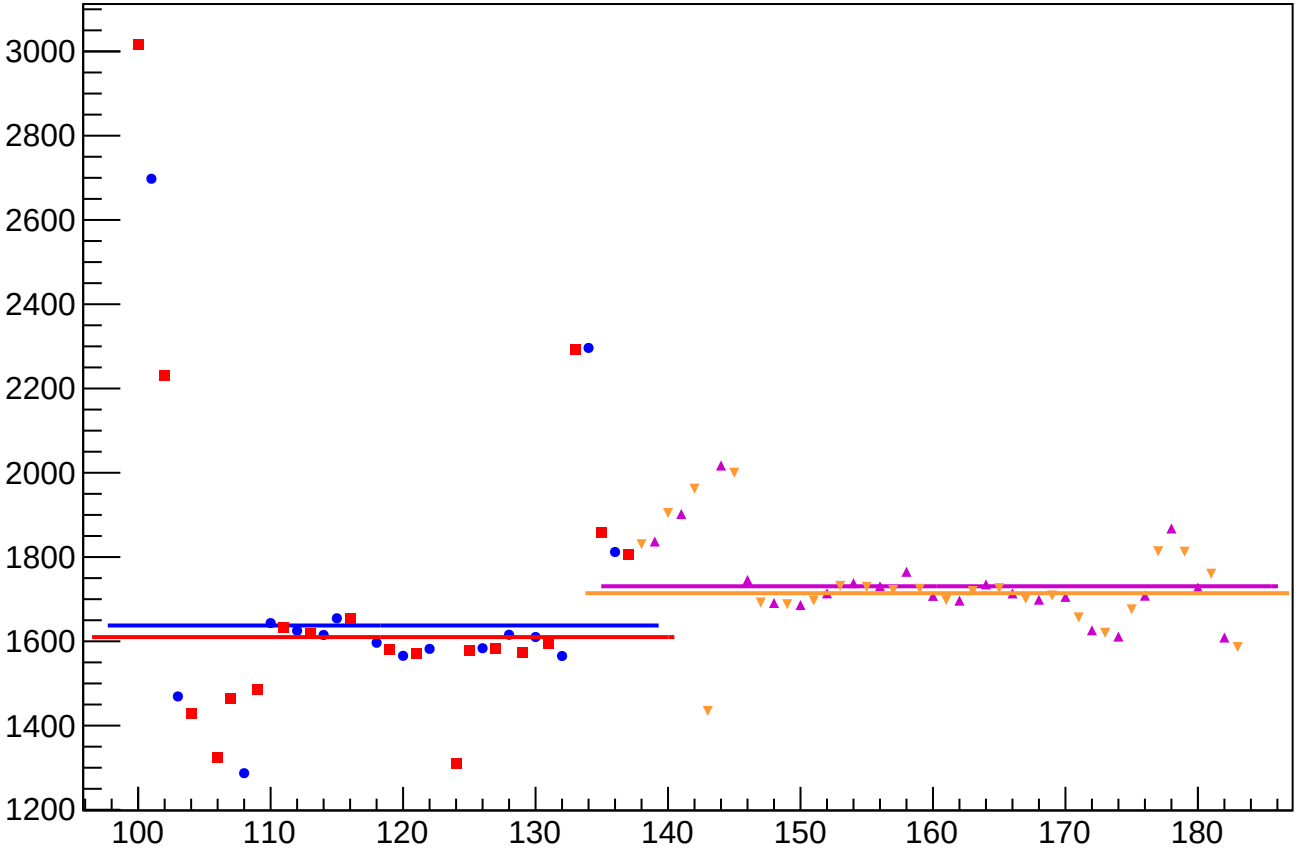
Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 410.860+/-340.390 χ^2/NDF:28.9/37

Out: 466.378+/-329.239 χ^2/NDF:52.3/42

All: 439.544+/-236.651 χ^2/NDF: 81.2/80

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1714.225+/-0.278 χ^2/NDF:162957.3/23

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1730.669+/-0.289 χ^2/NDF:95491.8/21

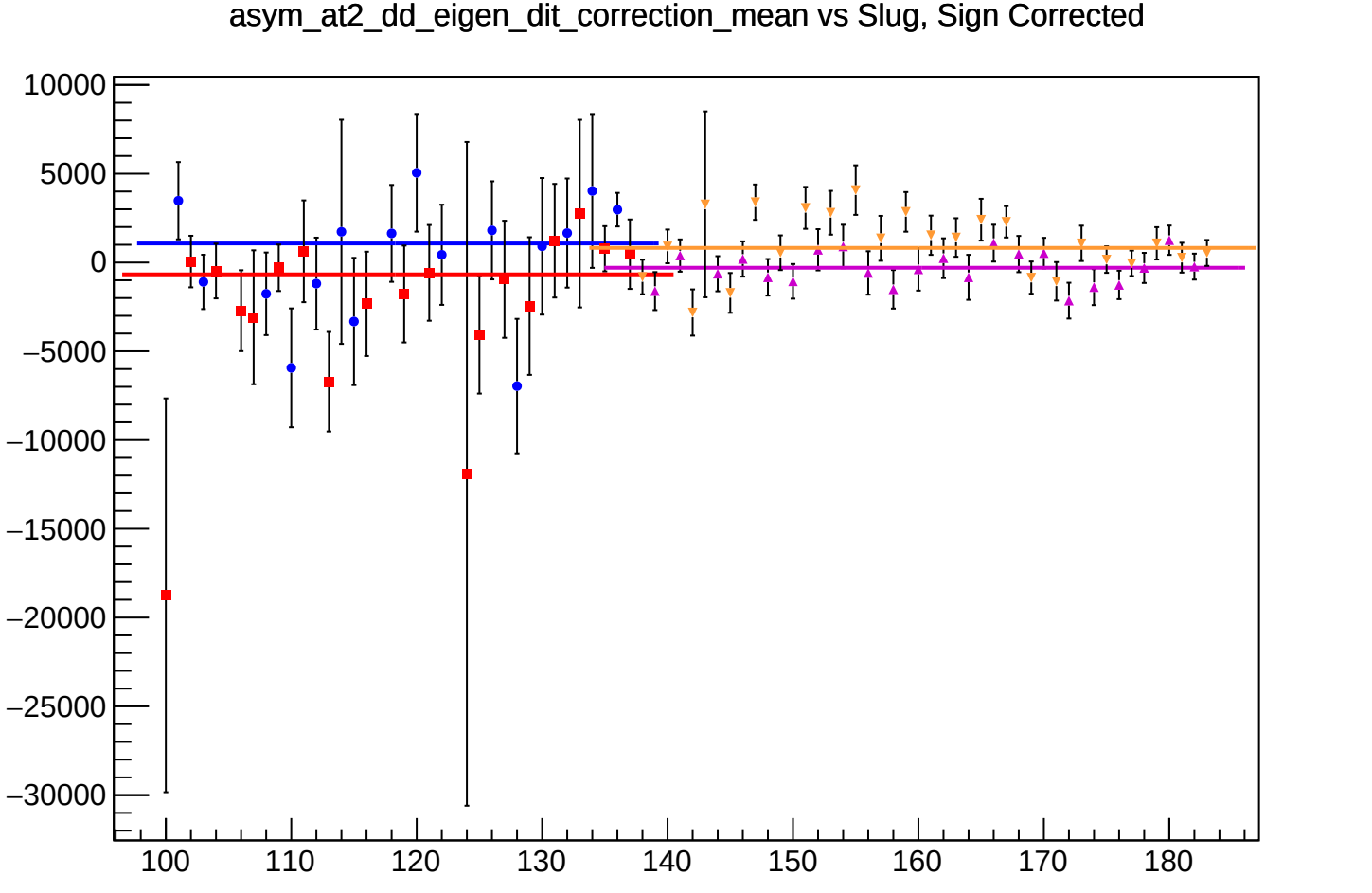
Left: 1722.138+/-0.200 χ^2/NDF: 260134.2/45

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1702.357+/-0.241 χ^2/NDF:488568.9/37

Out: 1683.174+/-0.233 χ^2/NDF:485667.4/42

All: 1692.446+/-0.167 χ^2/NDF: 977518.0/80



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 824.709+/-204.332 χ^2/NDF:52.6/23

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -293.934+/-210.058 χ^2/NDF:19.6/21

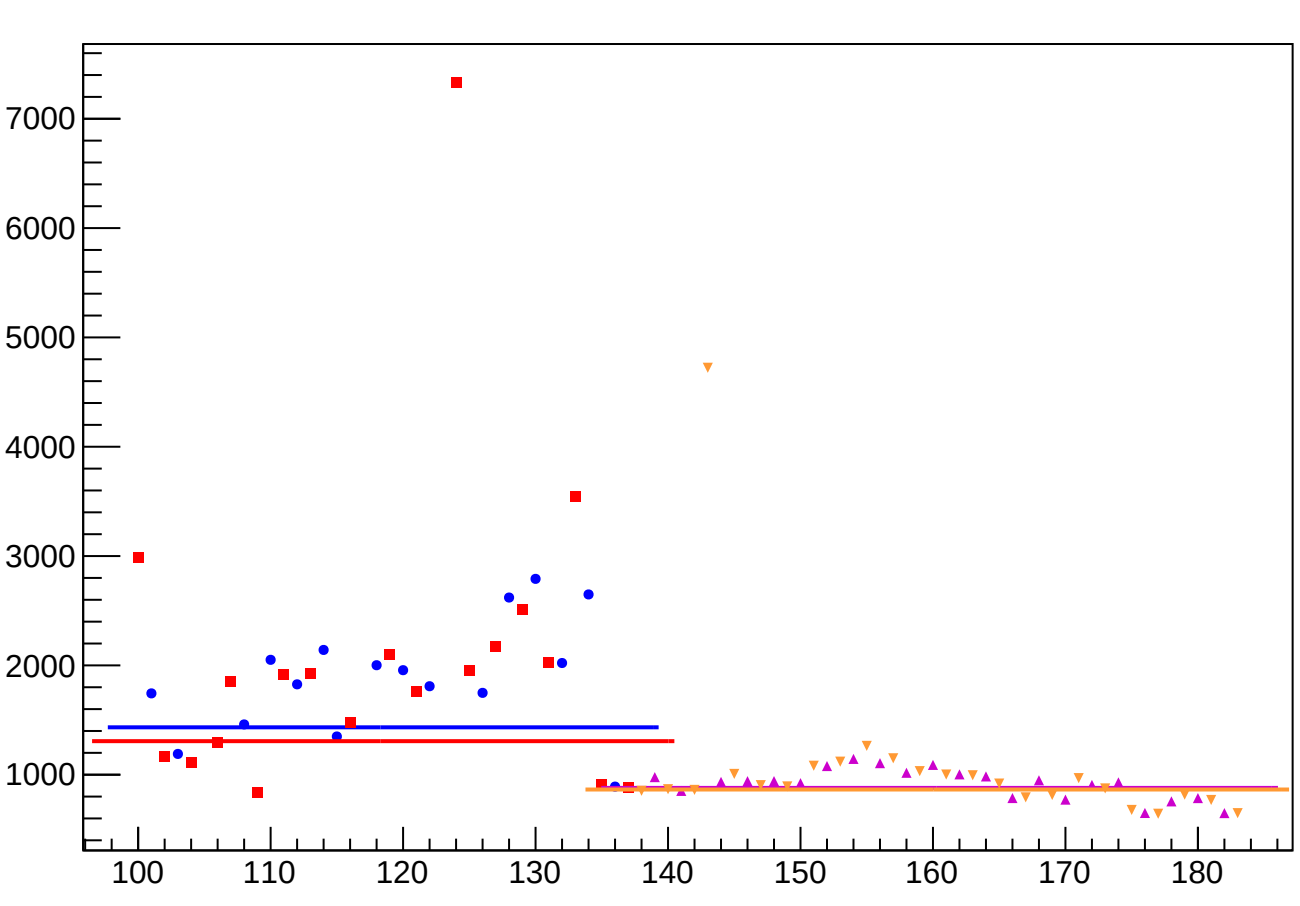
Left: 280.842+/-146.467 χ^2/NDF: 86.8/45

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: -131.231+/-197.166 χ^2/NDF:46.7/37

Out: 627.378+/-190.345 χ^2/NDF:73.2/42

All: 261.423+/-136.942 χ^2/NDF: 127.5/80



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 864.625+/-0.144 χ^2/NDF:2213128.8/23

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: 871.776+/-0.104 χ^2/NDF: 3110332.7/45

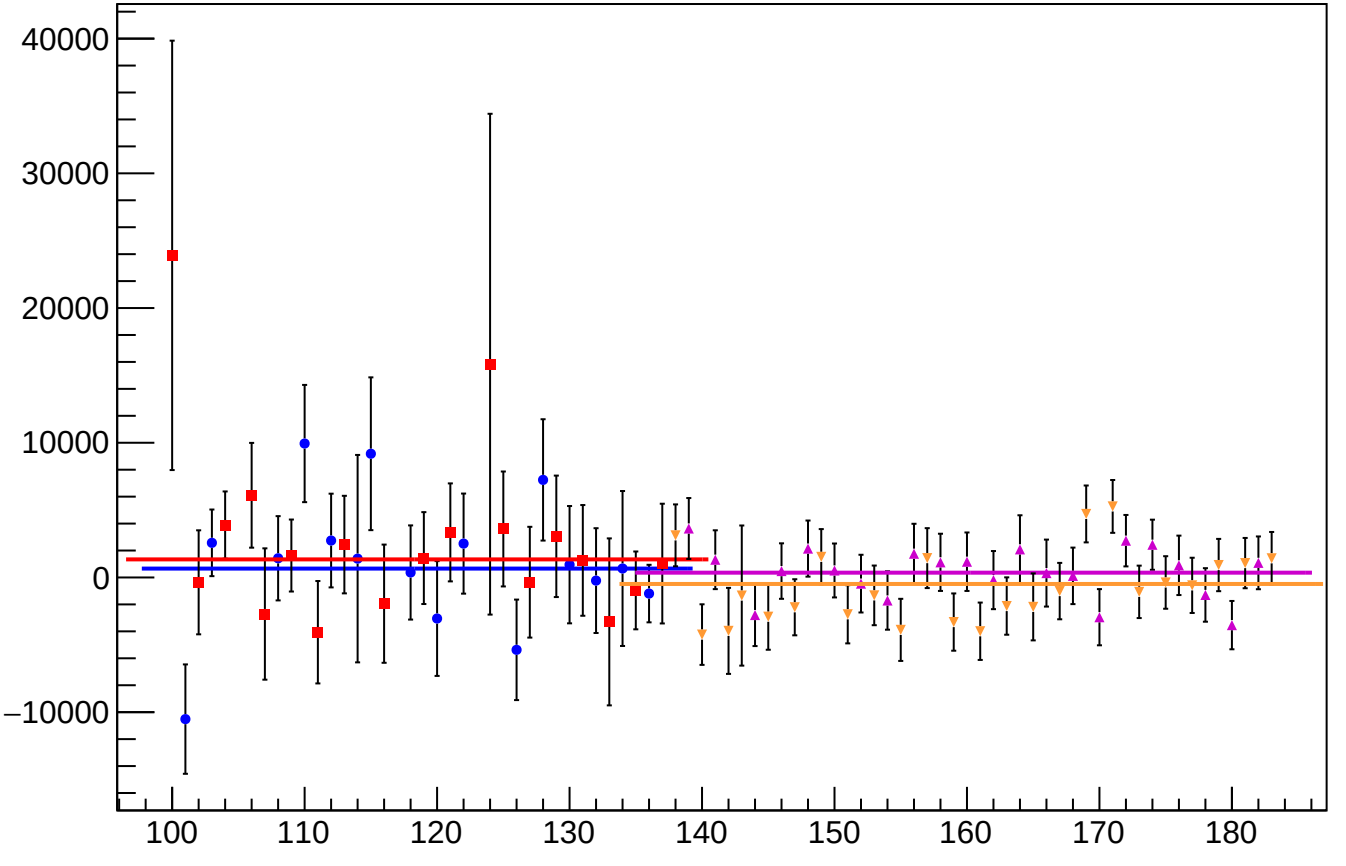
Right: 1364.632+/-0.273 χ^2/NDF: 4000599.5/34

In: 945.265+/-0.139 χ^2/NDF:4311652.0/37

Out: 923.098+/-0.135 χ^2/NDF:5635716.2/42

All: 933.791+/-0.097 χ^2/NDF: 9960452.3/80

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -482.554+/-443.725 χ^2/NDF:35.8/23

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: -68.301+/-315.611 χ^2/NDF: 55.7/45

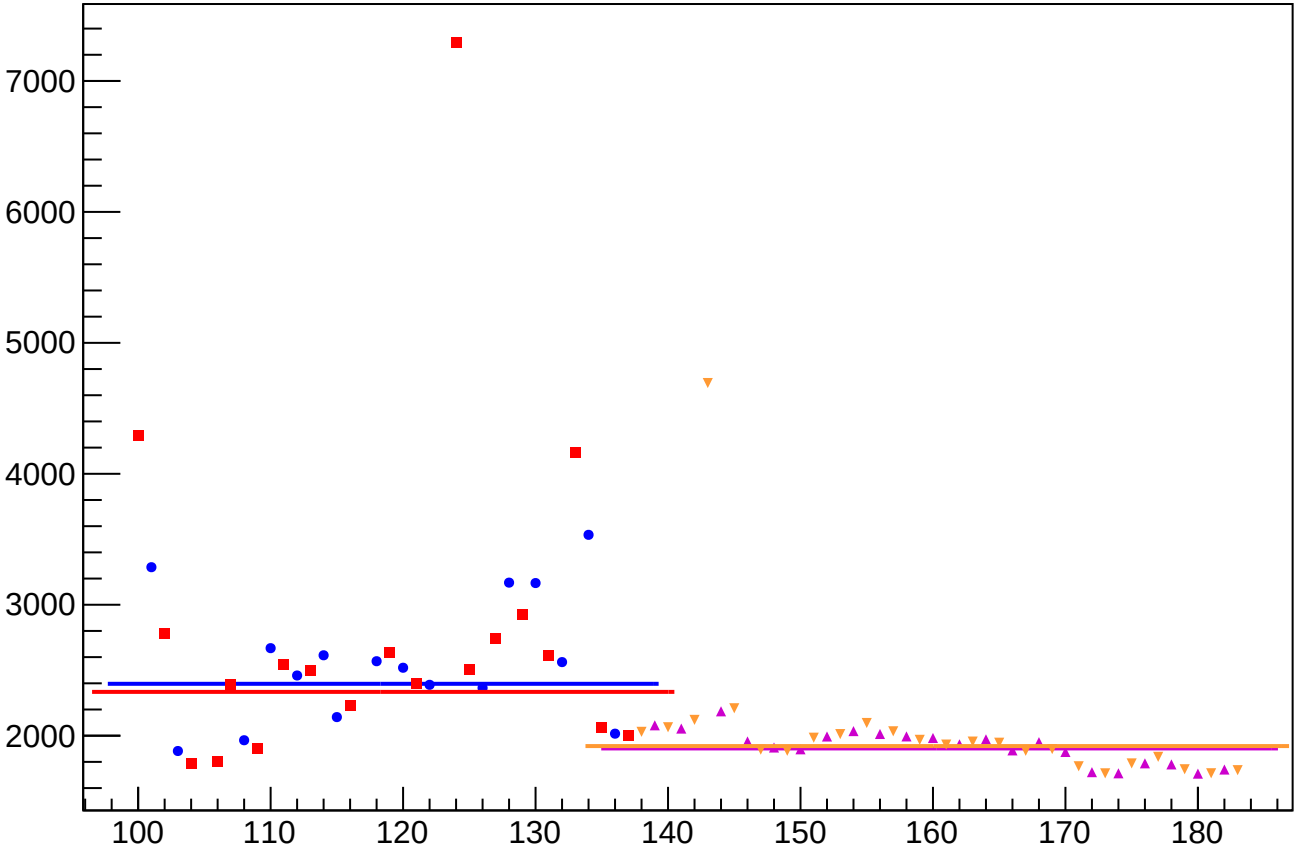
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 415.353+/-402.620 χ^2/NDF:40.2/37

Out: -119.692+/-397.158 χ^2/NDF:50.0/42

All: 144.177+/-282.744 χ^2/NDF: 91.1/80

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1920.696+/-0.314 χ^2/NDF:748945.2/23

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1902.623+/-0.317 χ^2/NDF:167614.4/21

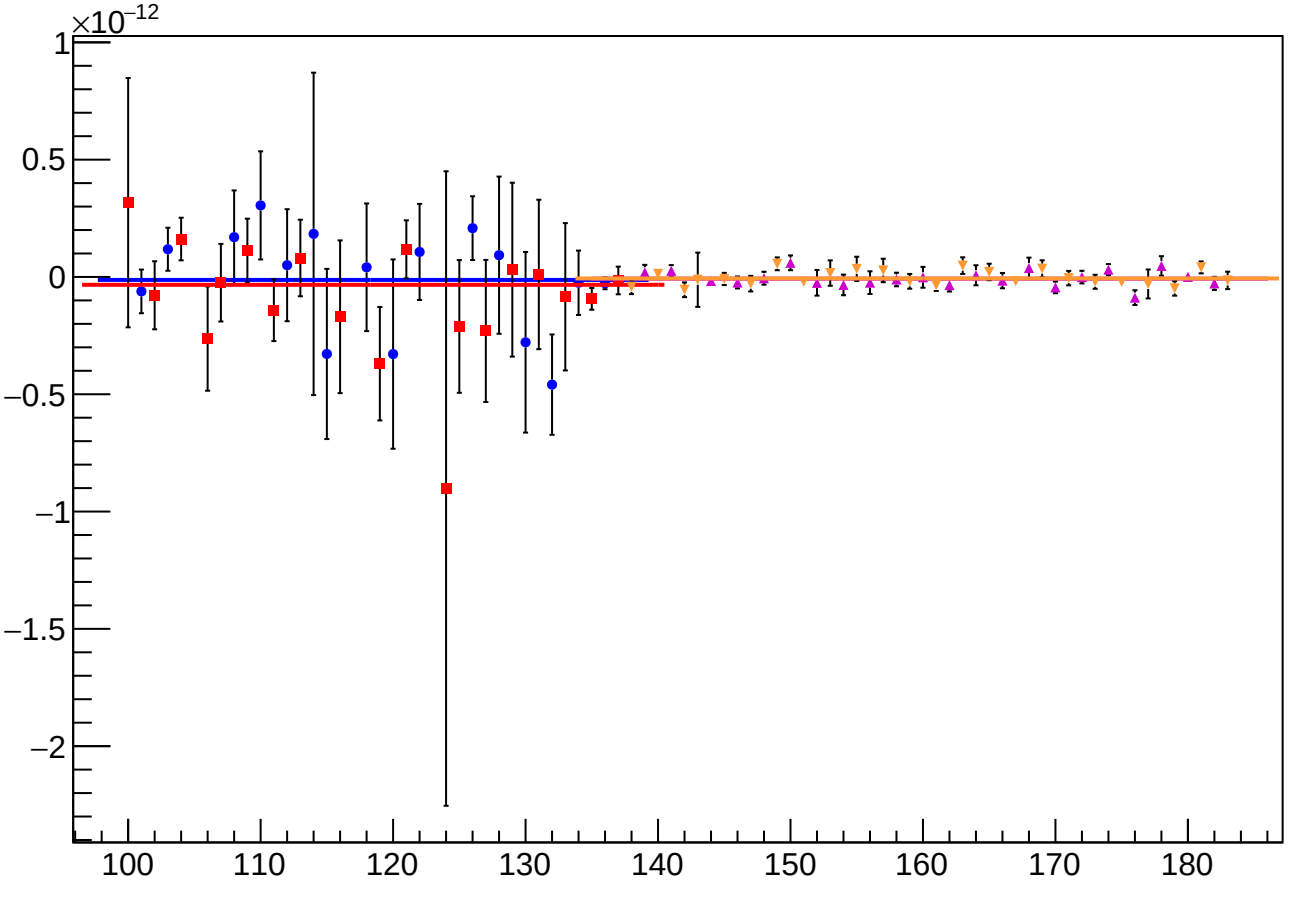
Left: 1911.766+/-0.223 χ^2/NDF: 918199.0/45

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 1999.348+/-0.285 χ^2/NDF:1149198.8/37

Out: 2003.012+/-0.281 χ^2/NDF:1776593.5/42

All: 2001.205+/-0.200 χ^2/NDF: 2925876.2/80



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:24.9/21

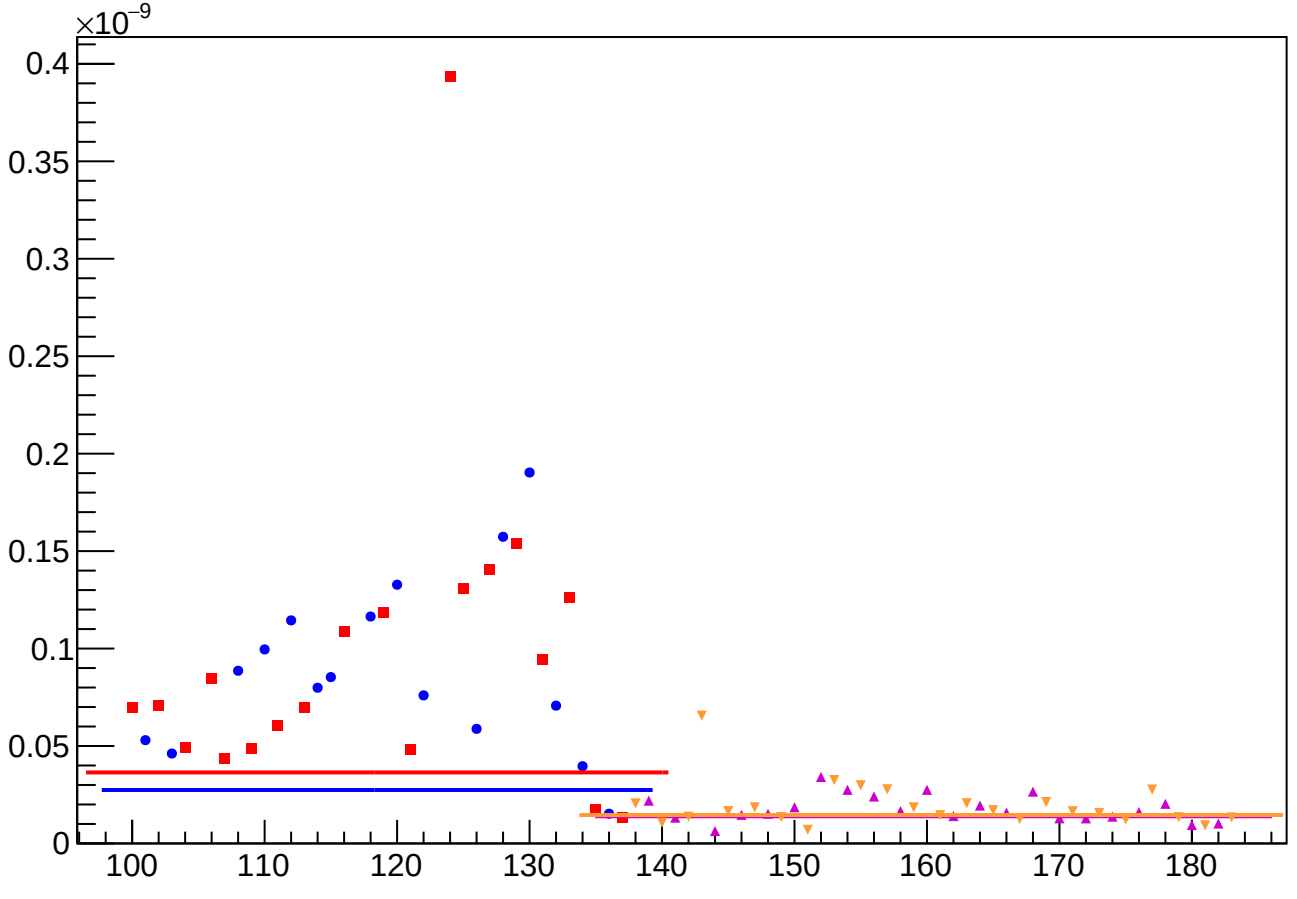
Left: -0.000+/-0.000 χ^2/NDF: 49.6/45

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:40.8/42

All: -0.000+/-0.000 χ^2/NDF: 80.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1867687.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1944536.1/21

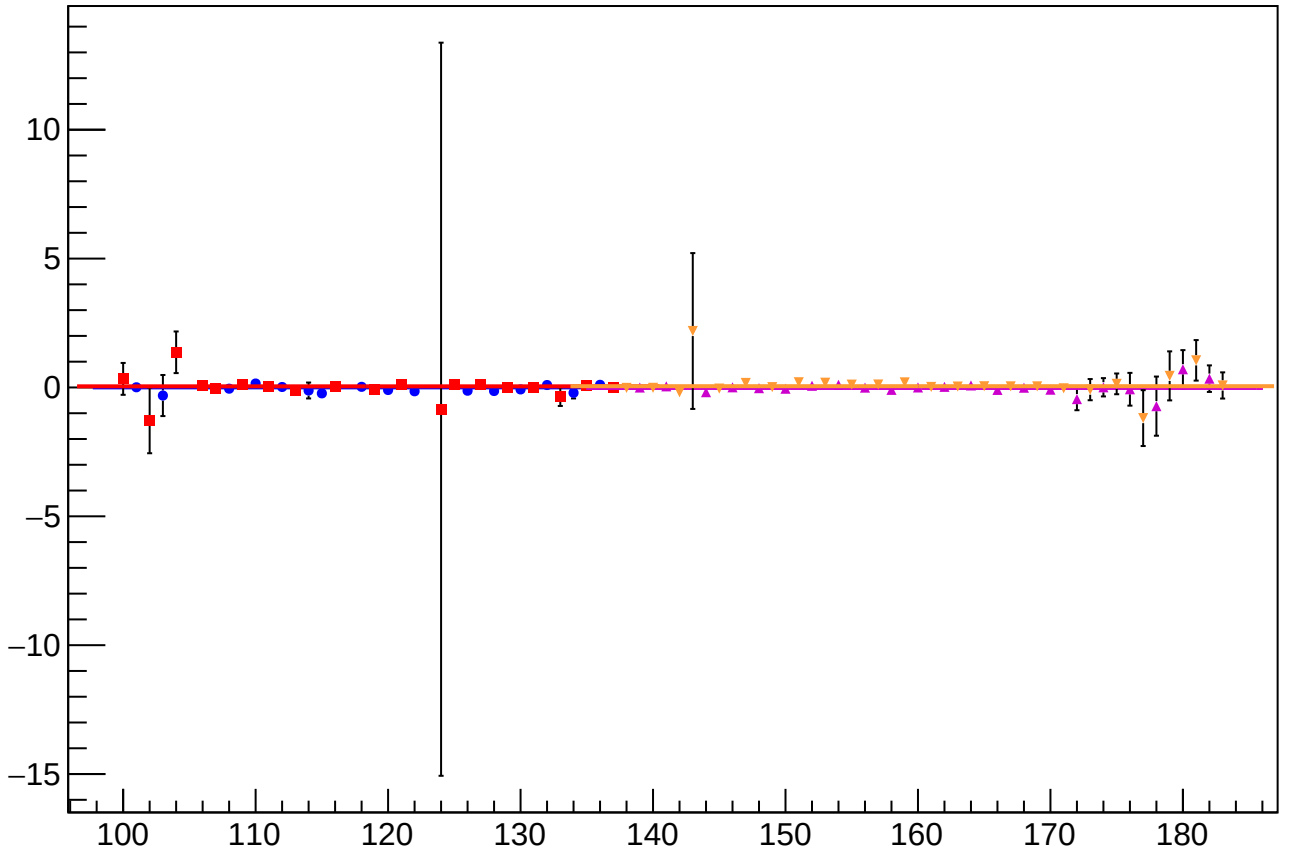
Left: 0.000+/-0.000 χ^2/NDF: 3823398.1/45

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:5476848.4/42

All: 0.000+/-0.000 χ^2/NDF: 10851419.3/80



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:23.0/23

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.019+/-0.017 χ^2/NDF:14.6/21

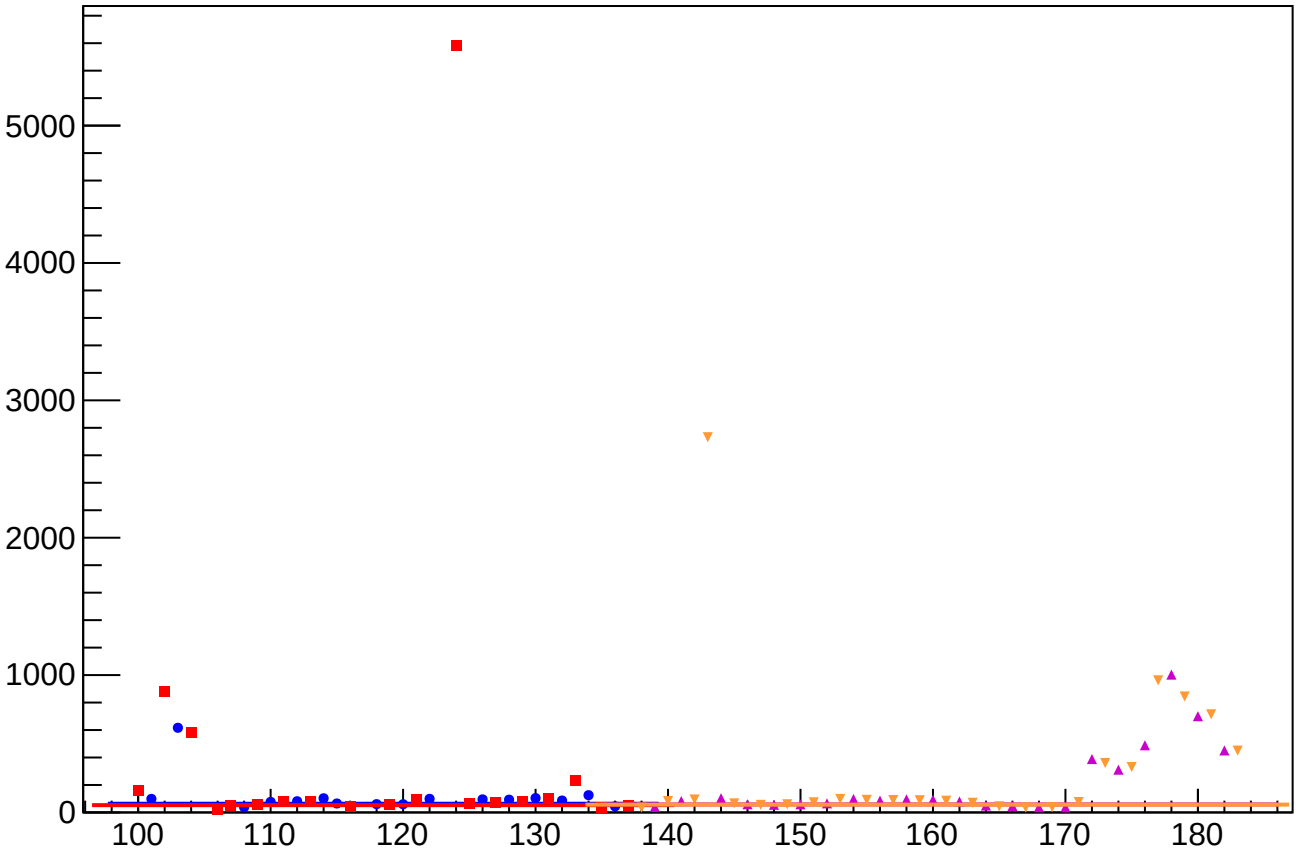
Left: 0.015+/-0.012 χ^2/NDF: 45.7/45

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:35.7/42

All: 0.018+/-0.010 χ^2/NDF: 73.1/80



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.095+/-0.012 χ^2/NDF:11946902.0/23

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: 57.743+/-0.009 χ^2/NDF: 21766198.7/45

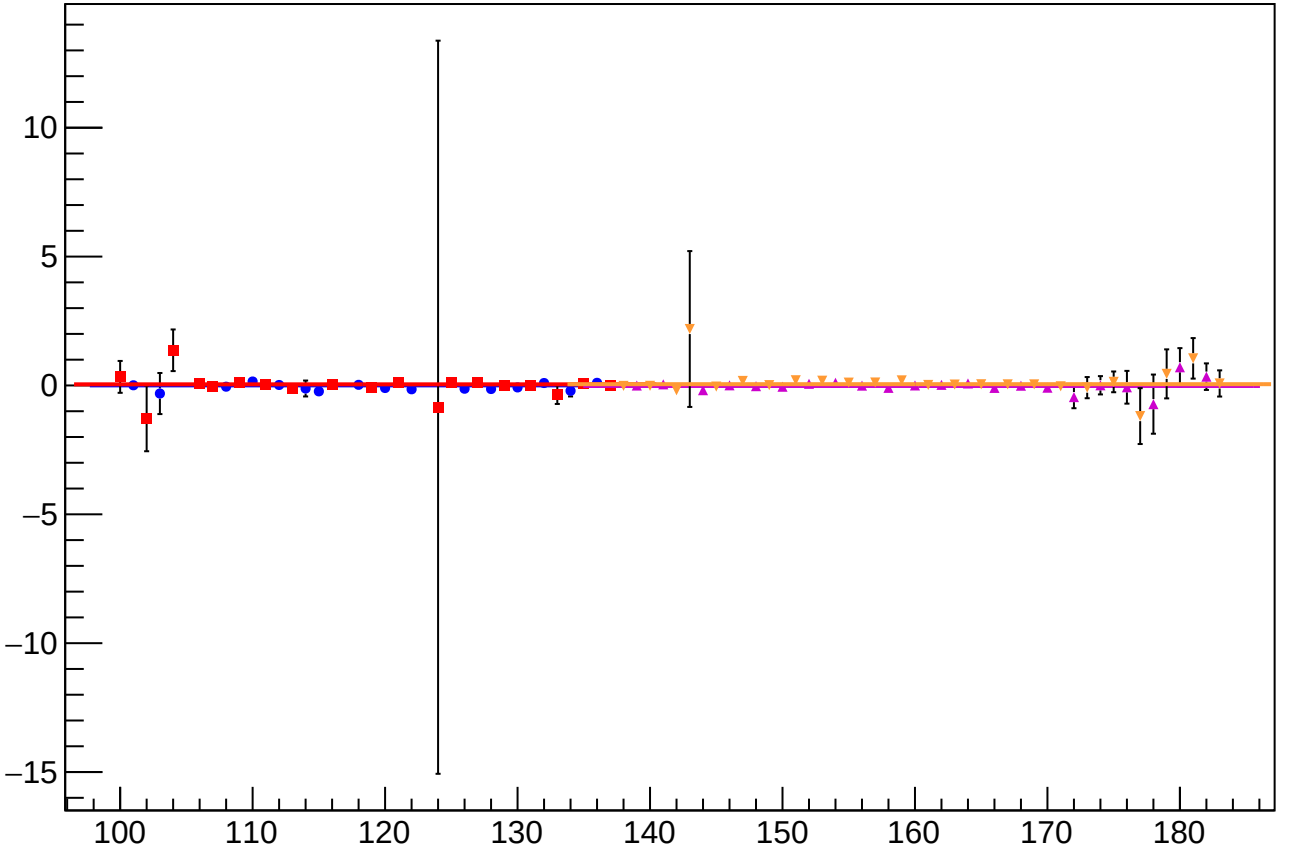
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.834+/-0.010 χ^2/NDF:12308153.4/37

Out: 55.851+/-0.010 χ^2/NDF:15926031.4/42

All: 57.779+/-0.007 χ^2/NDF: 28312020.9/80

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:23.0/23

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.019+/-0.017 χ^2/NDF:14.6/21

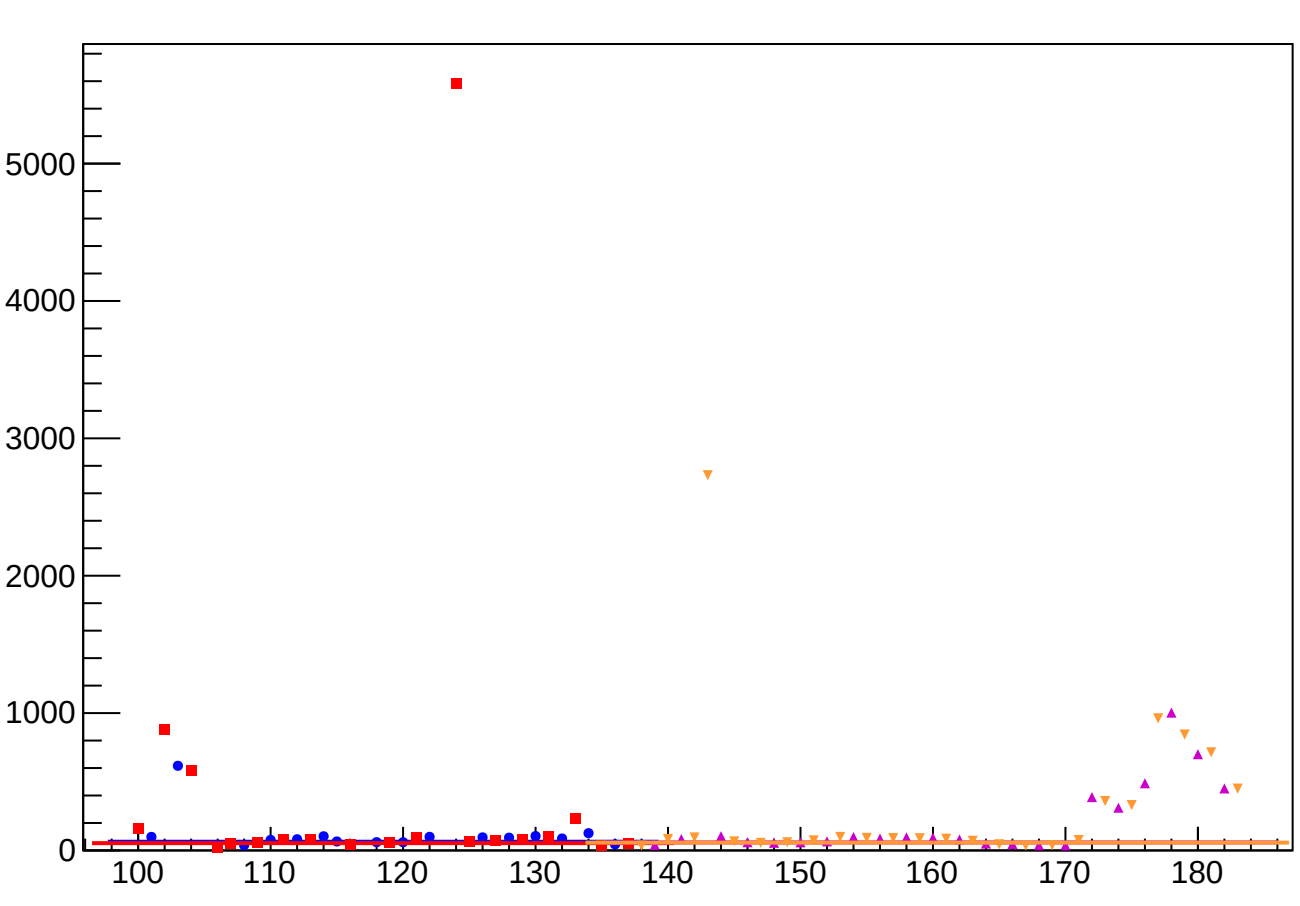
Left: 0.015+/-0.012 χ^2/NDF: 45.7/45

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:35.7/42

All: 0.018+/-0.010 χ^2/NDF: 73.1/80



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.095+/-0.012 χ^2/NDF:11946902.0/23

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 58.399+/-0.012 χ^2/NDF:9813472.8/21

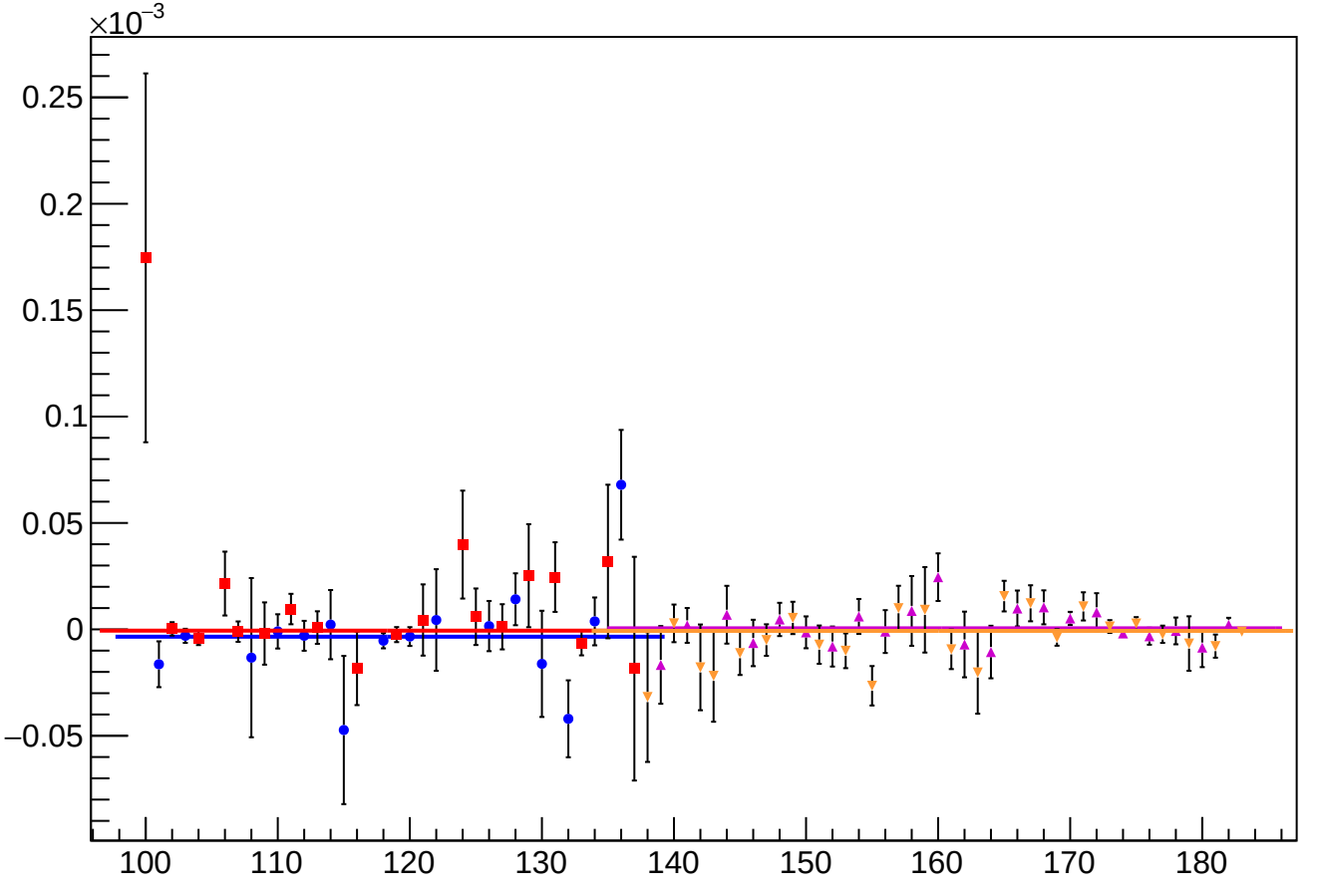
Left: 57.743+/-0.009 χ^2/NDF: 21766198.7/45

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.834+/-0.010 χ^2/NDF:12308153.4/37

Out: 55.851+/-0.010 χ^2/NDF:15926031.4/42

All: 57.779+/-0.007 χ^2/NDF: 28312020.9/80



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.6/21

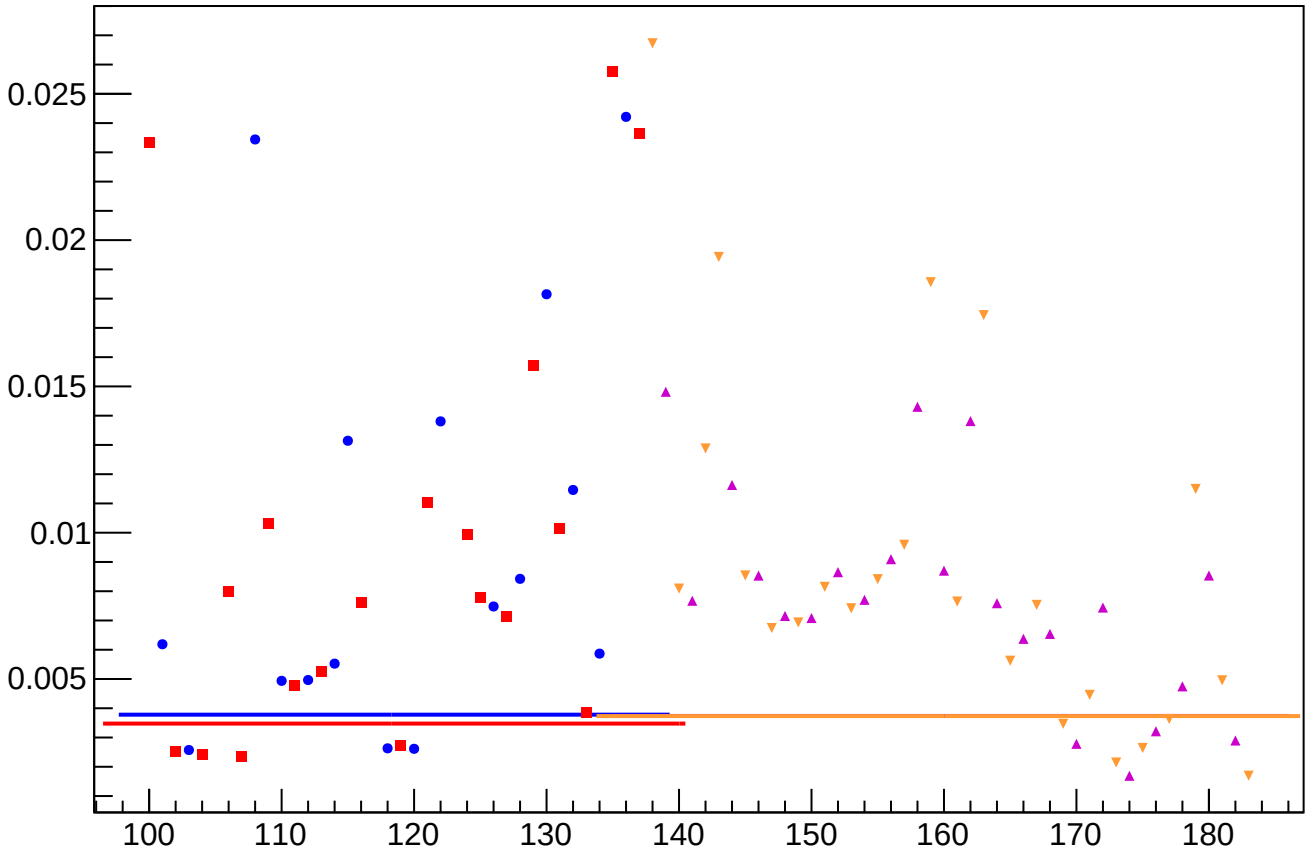
Left: -0.000+/-0.000 χ^2/NDF: 51.9/45

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:51.9/42

All: -0.000+/-0.000 χ^2/NDF: 92.7/80



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:12960787.1/23

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.004+/-0.000 χ^2/NDF:11095769.6/21

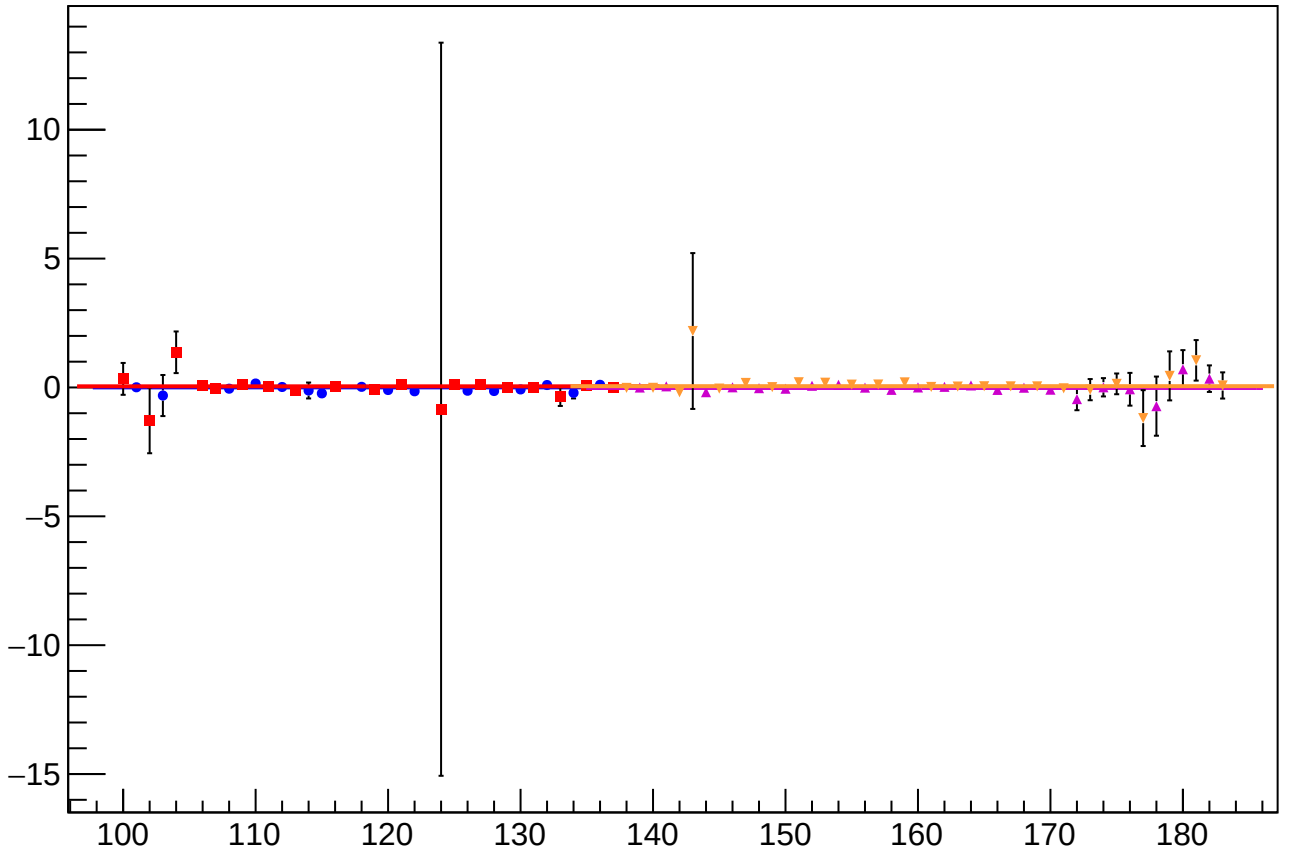
Left: 0.004+/-0.000 χ^2/NDF: 24056576.5/45

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:17492654.7/42

All: 0.004+/-0.000 χ^2/NDF: 33321168.3/80



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:23.0/23

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: 45.7/45

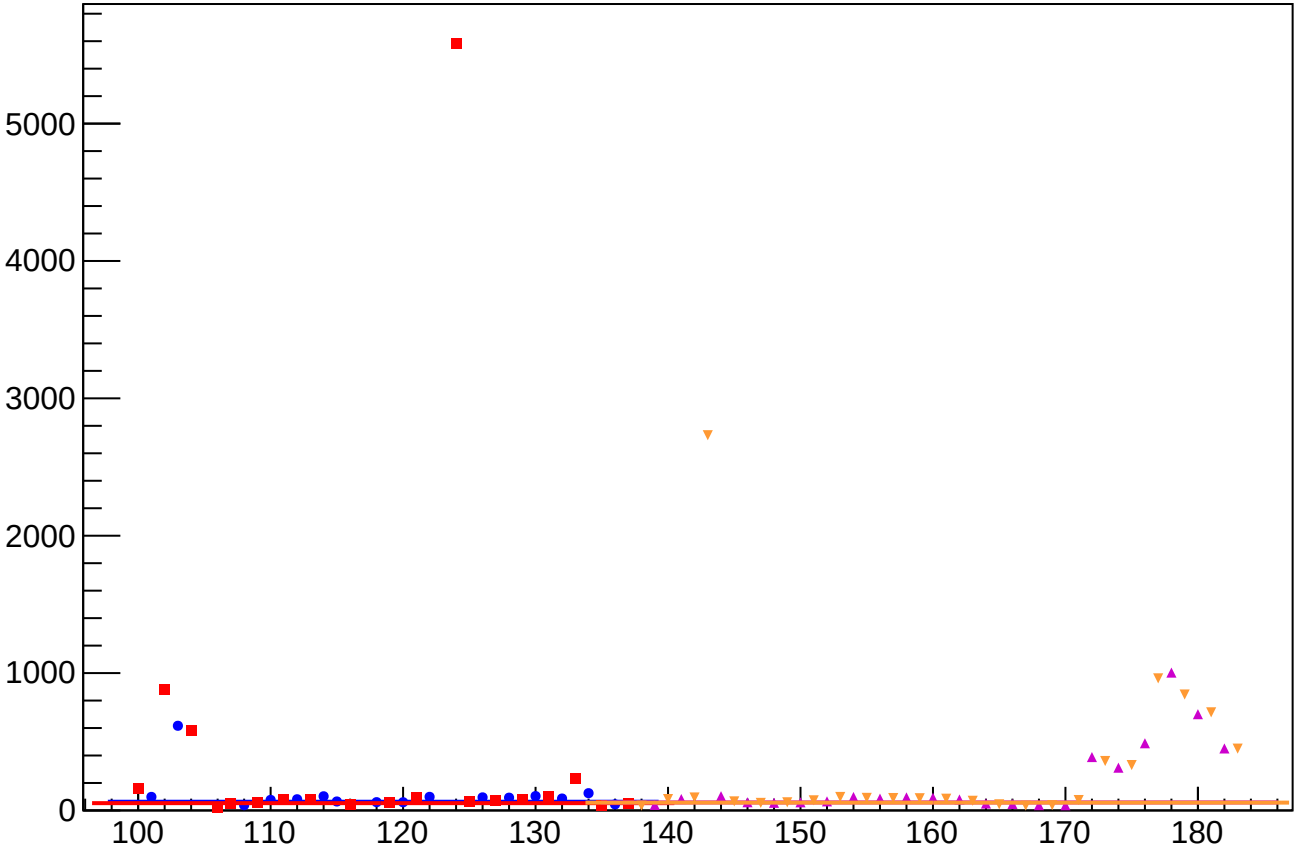
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.014 χ^2/NDF:28.4/37

Out: 0.047+/-0.014 χ^2/NDF:35.8/42

All: 0.018+/-0.010 χ^2/NDF: 73.1/80

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 57.094+/-0.012 χ^2/NDF:11946643.1/23

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: 57.744+/-0.009 χ^2/NDF: 21765470.5/45

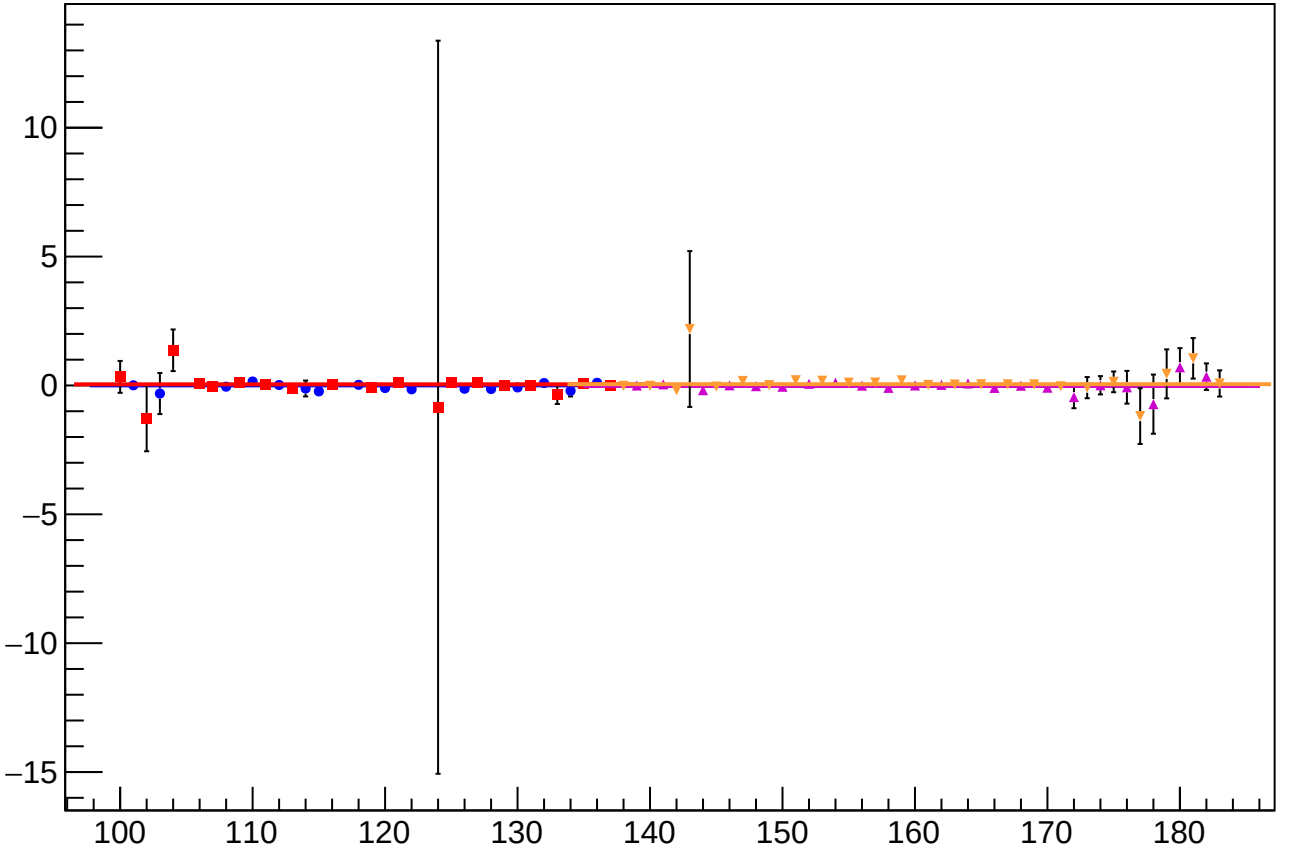
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.838+/-0.010 χ^2/NDF:12306875.7/37

Out: 55.849+/-0.010 χ^2/NDF:15926392.6/42

All: 57.780+/-0.007 χ^2/NDF: 28311358.9/80

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:23.0/23

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: 45.7/45

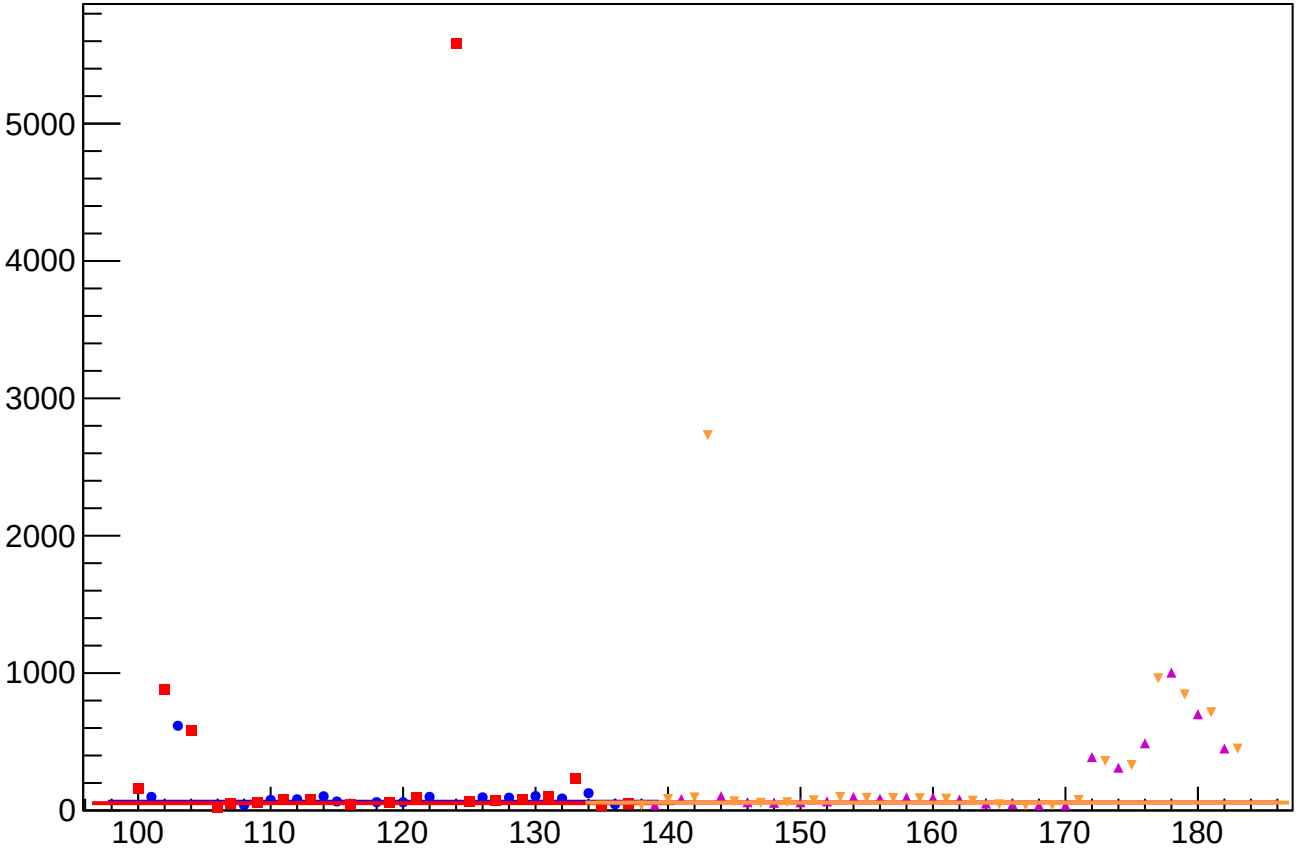
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.014 χ^2/NDF:28.4/37

Out: 0.047+/-0.014 χ^2/NDF:35.8/42

All: 0.018+/-0.010 χ^2/NDF: 73.1/80

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: 57.094+/-0.012 χ^2/NDF:11946643.1/23

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 58.401+/-0.012 χ^2/NDF:9812972.3/21

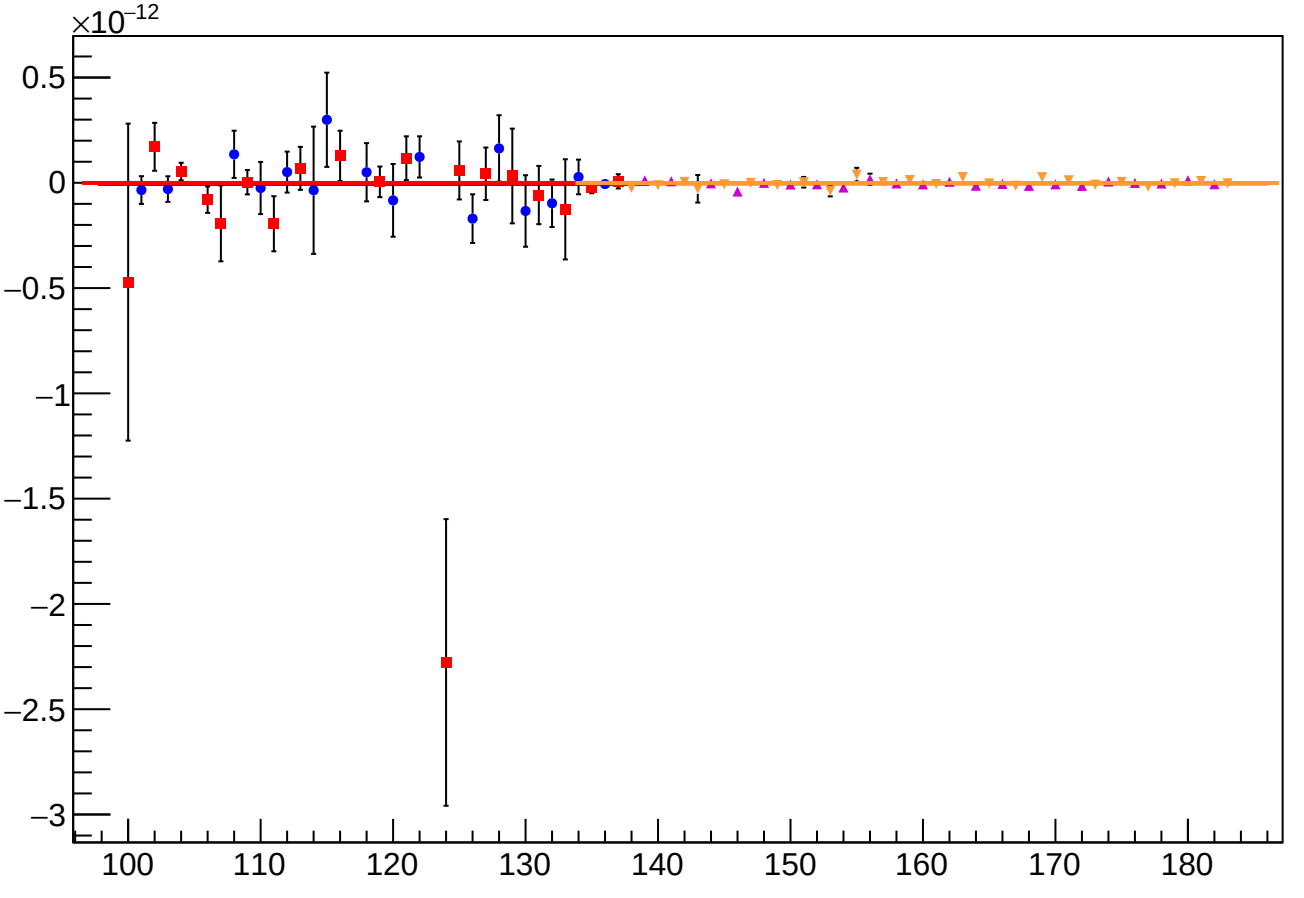
Left: 57.744+/-0.009 χ^2/NDF: 21765470.5/45

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.838+/-0.010 χ^2/NDF:12306875.7/37

Out: 55.849+/-0.010 χ^2/NDF:15926392.6/42

All: 57.780+/-0.007 χ^2/NDF: 28311358.9/80



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/21

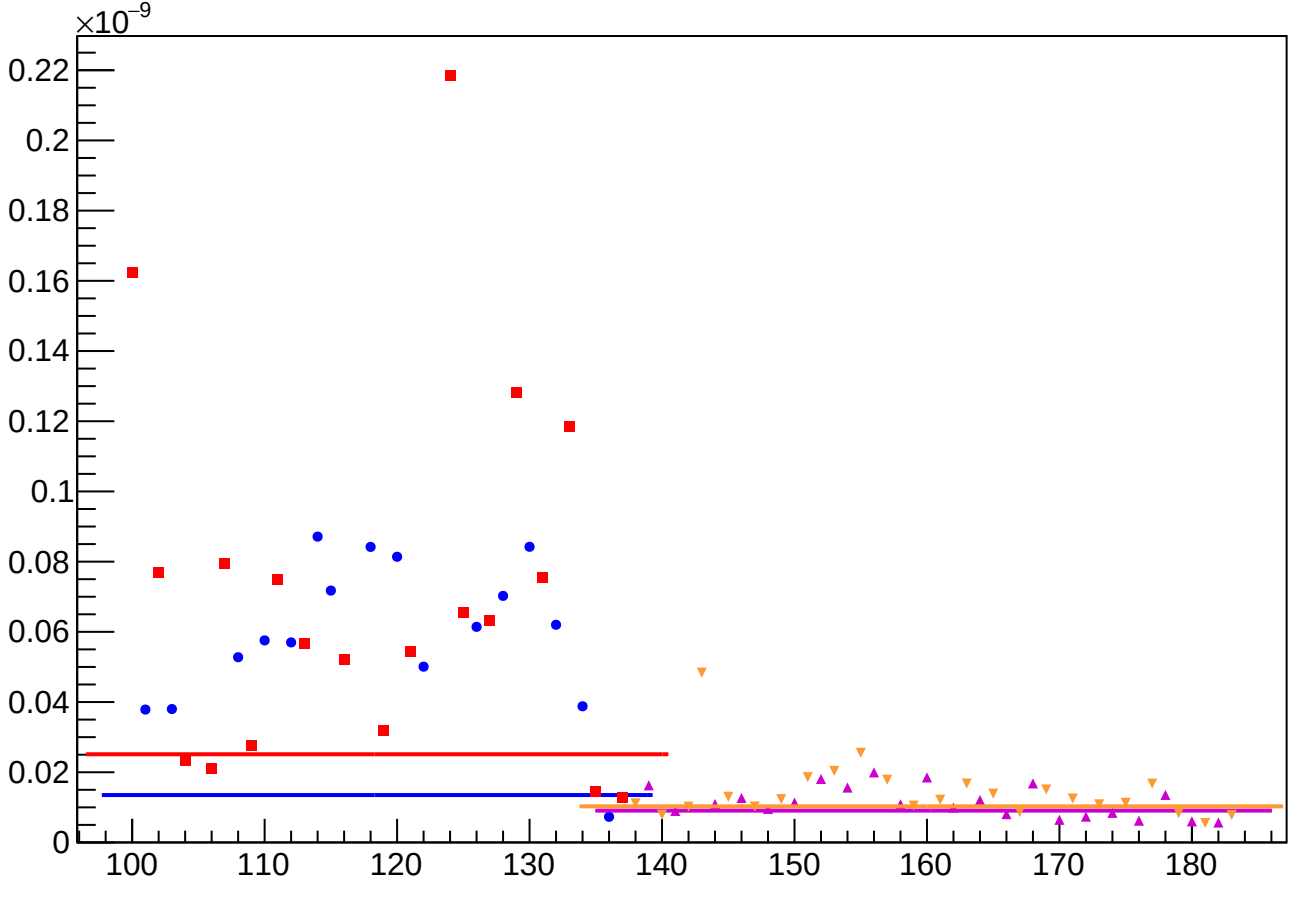
Left: -0.000+/-0.000 χ^2/NDF: 31.5/45

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:41.3/42

All: -0.000+/-0.000 χ^2/NDF: 67.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3631257.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3040935.6/21

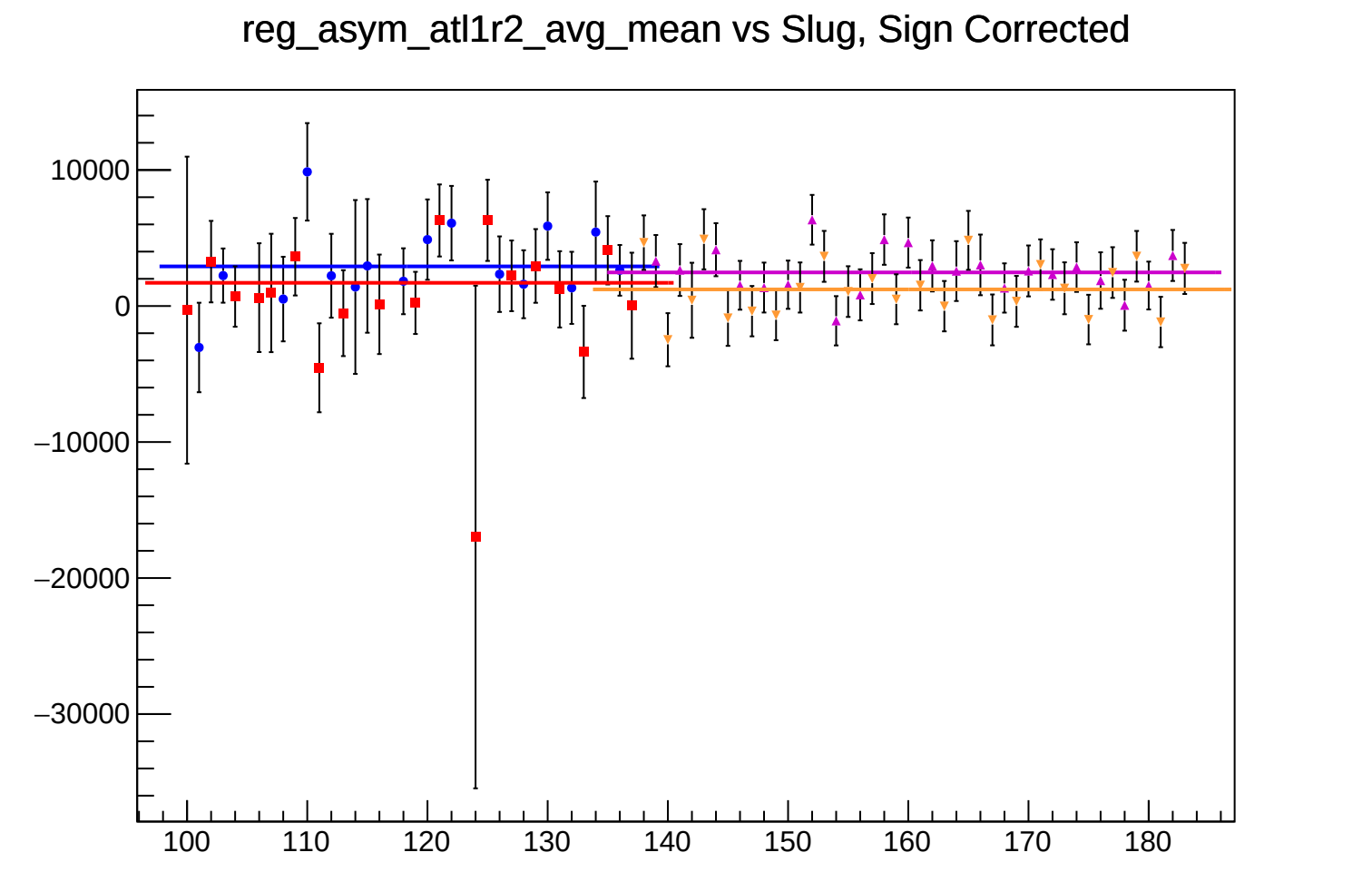
Left: 0.000+/-0.000 χ^2/NDF: 6840998.4/45

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:9077975.8/42

All: 0.000+/-0.000 χ^2/NDF: 17724619.7/80



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1221.035+/-391.951 χ^2/NDF:26.2/23

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: 1830.849+/-280.420 χ^2/NDF: 48.2/45

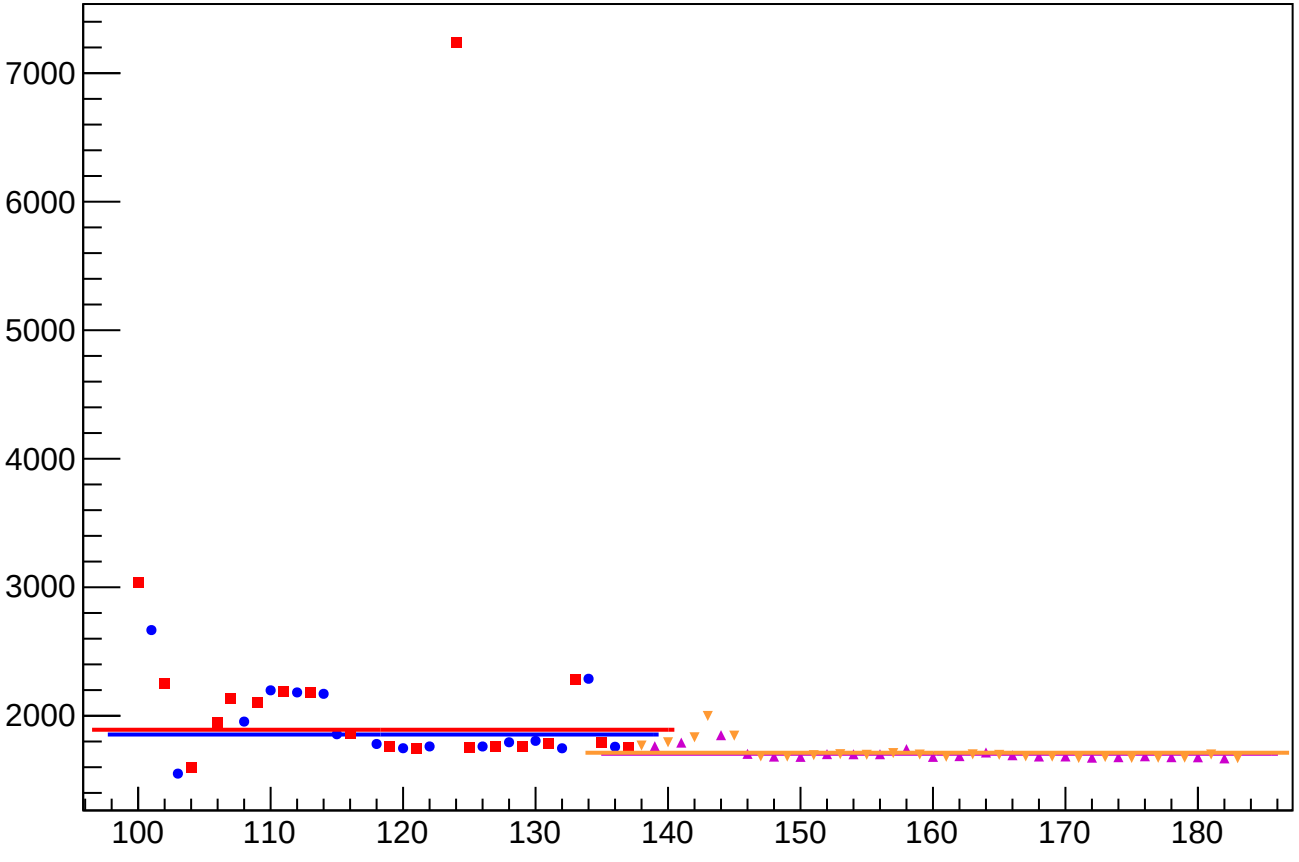
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2581.006+/-347.576 χ^2/NDF:29.9/37

Out: 1334.826+/-342.779 χ^2/NDF:42.3/42

All: 1949.257+/-244.060 χ^2/NDF: 78.7/80

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1712.571+/-0.277 χ^2/NDF:59494.0/23

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1704.500+/-0.284 χ^2/NDF:22360.8/21

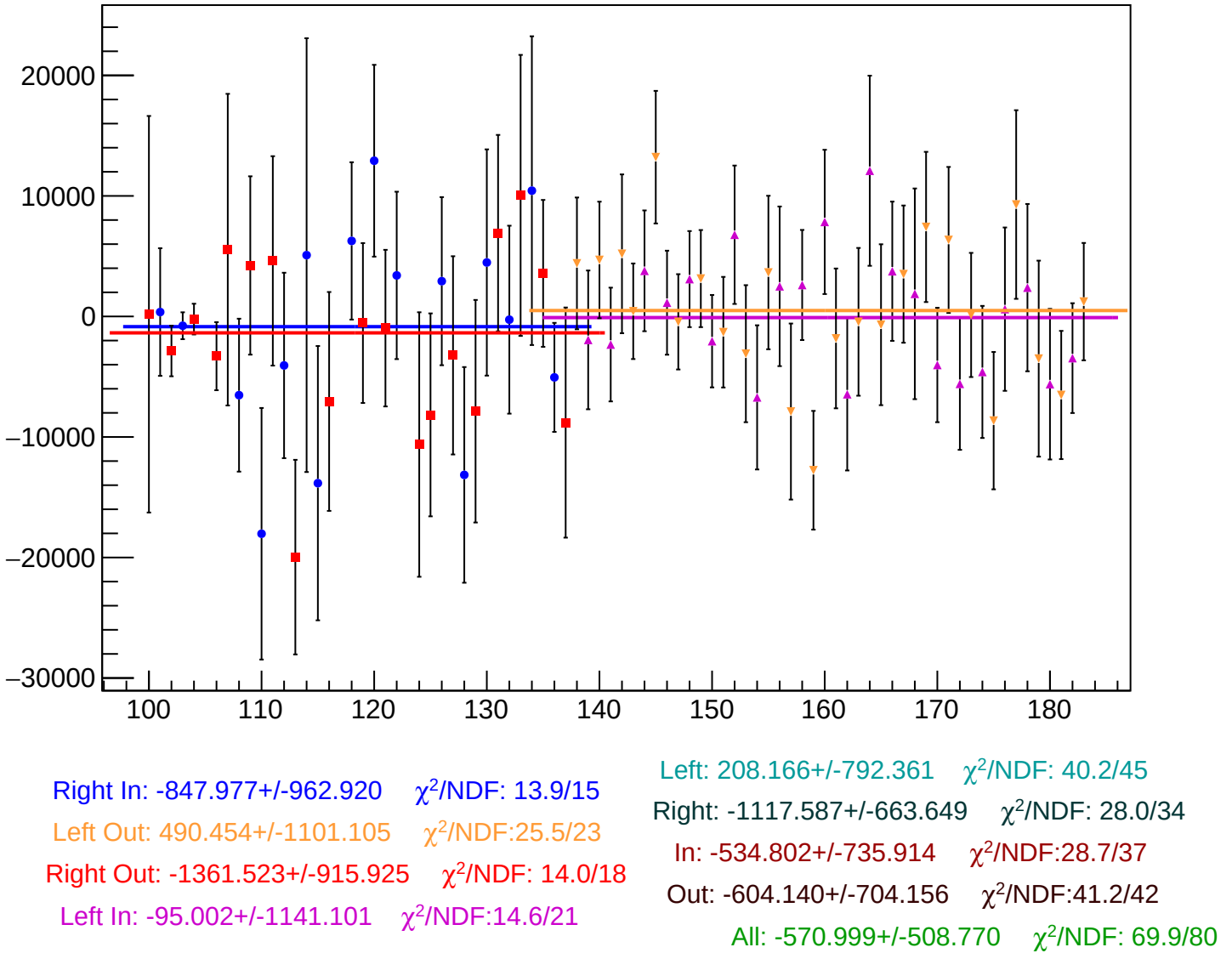
Left: 1708.632+/-0.198 χ^2/NDF: 82268.8/45

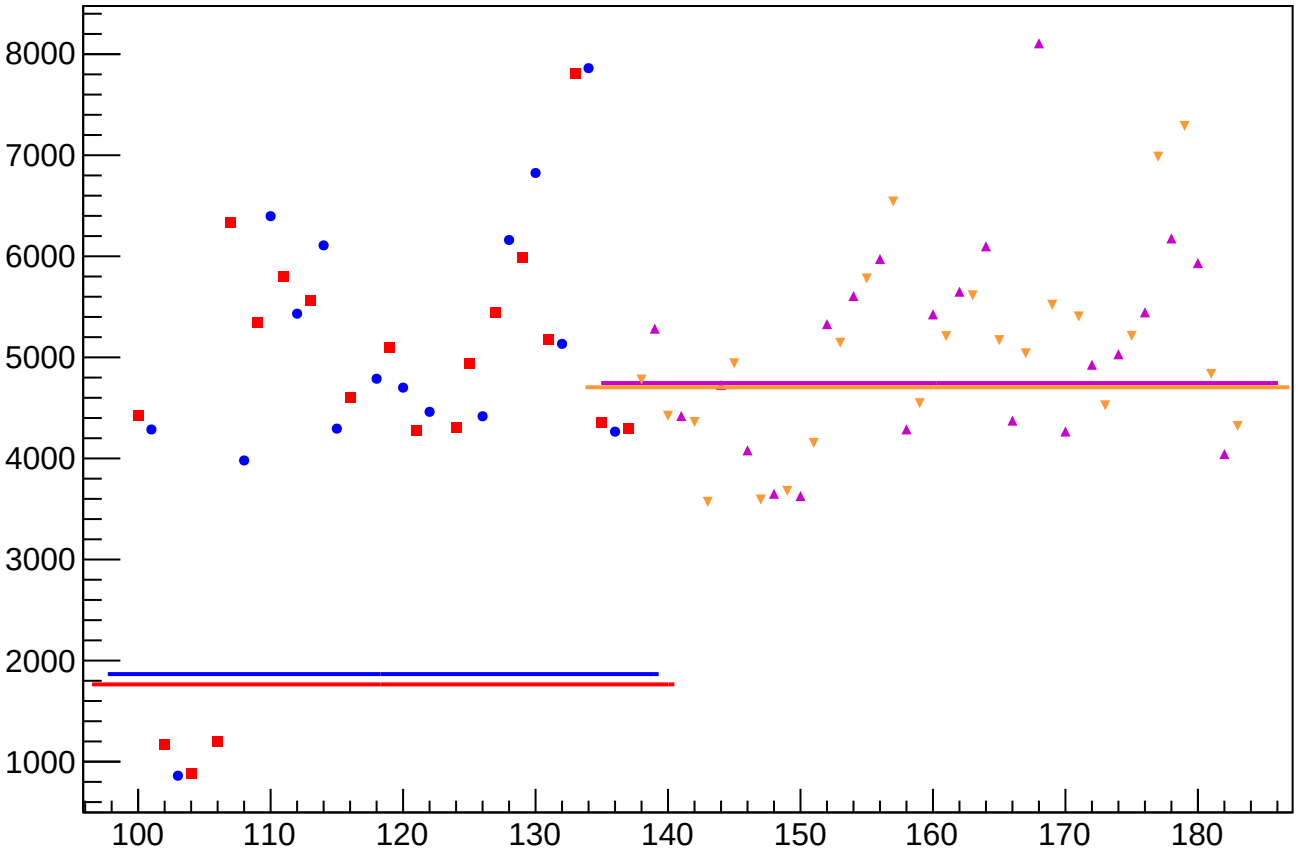
Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1741.963+/-0.246 χ^2/NDF:355363.3/37

Out: 1754.792+/-0.242 χ^2/NDF:521876.7/42

All: 1748.470+/-0.173 χ^2/NDF: 878622.0/80


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -847.977+/-962.920 χ²/NDF: 13.9/15
Left Out: 490.454+/-1101.105 χ²/NDF:25.5/23
Right Out: -1361.523+/-915.925 χ²/NDF: 14.0/18
Left In: -95.002+/-1141.101 χ²/NDF:14.6/21
Left: 208.166+/-792.361 χ²/NDF: 40.2/45
Right: -1117.587+/-663.649 χ²/NDF: 28.0/34
In: -534.802+/-735.914 χ²/NDF:28.7/37
Out: -604.140+/-704.156 χ²/NDF:41.2/42
All: -570.999+/-508.770 χ²/NDF: 69.9/80



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4703.933+/-0.779 χ^2/NDF:1235394.6/23

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4745.842+/-0.807 χ^2/NDF:1230258.3/21

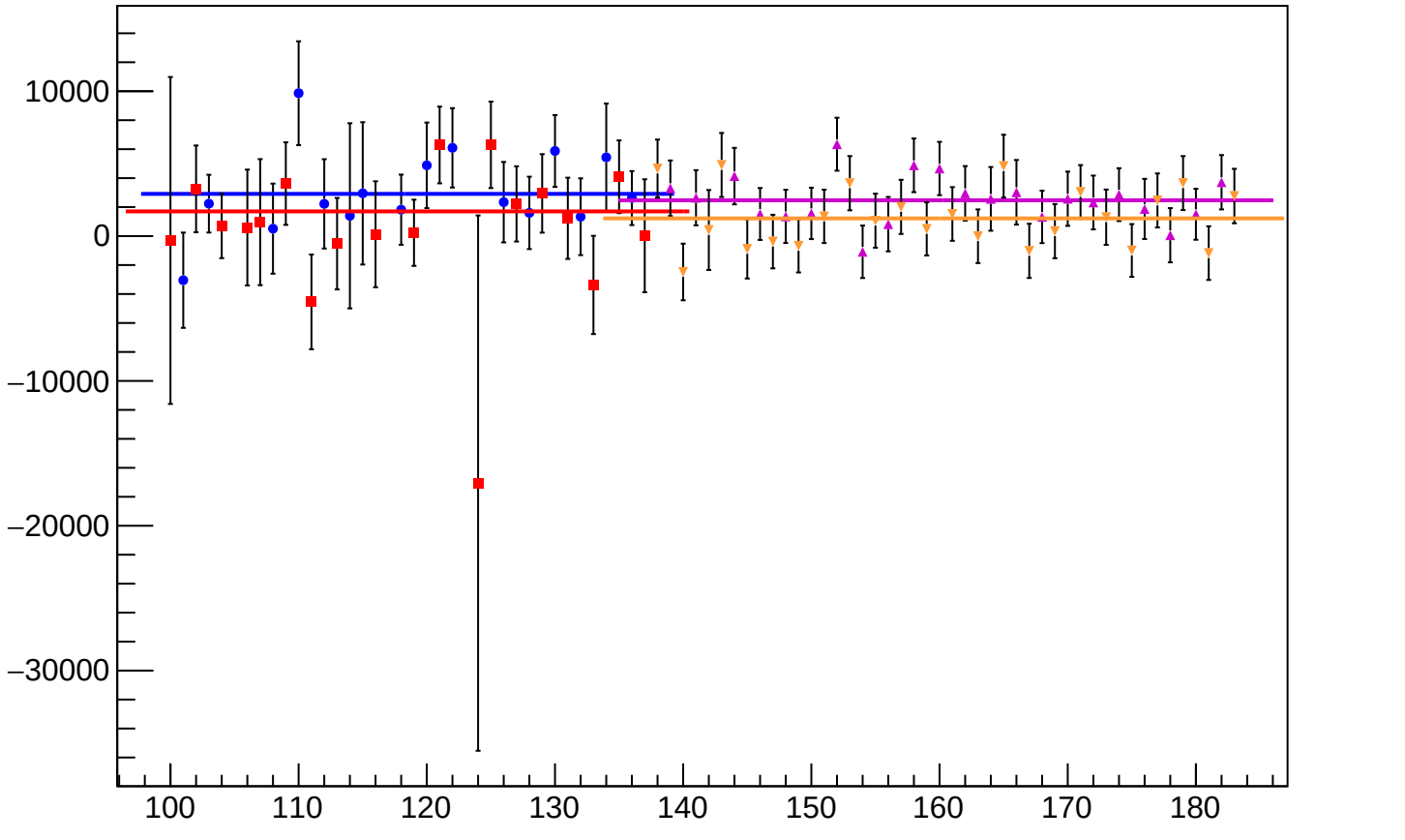
Left: 4724.140+/-0.560 χ^2/NDF: 2467049.9/45

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 3064.012+/-0.520 χ^2/NDF:15518166.0/37

Out: 2966.478+/-0.498 χ^2/NDF:16095434.0/42

All: 3013.095+/-0.360 χ^2/NDF: 31631939.7/8



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1220.931+/-391.951 χ^2/NDF:26.2/23

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: 1830.767+/-280.420 χ^2/NDF: 48.2/45

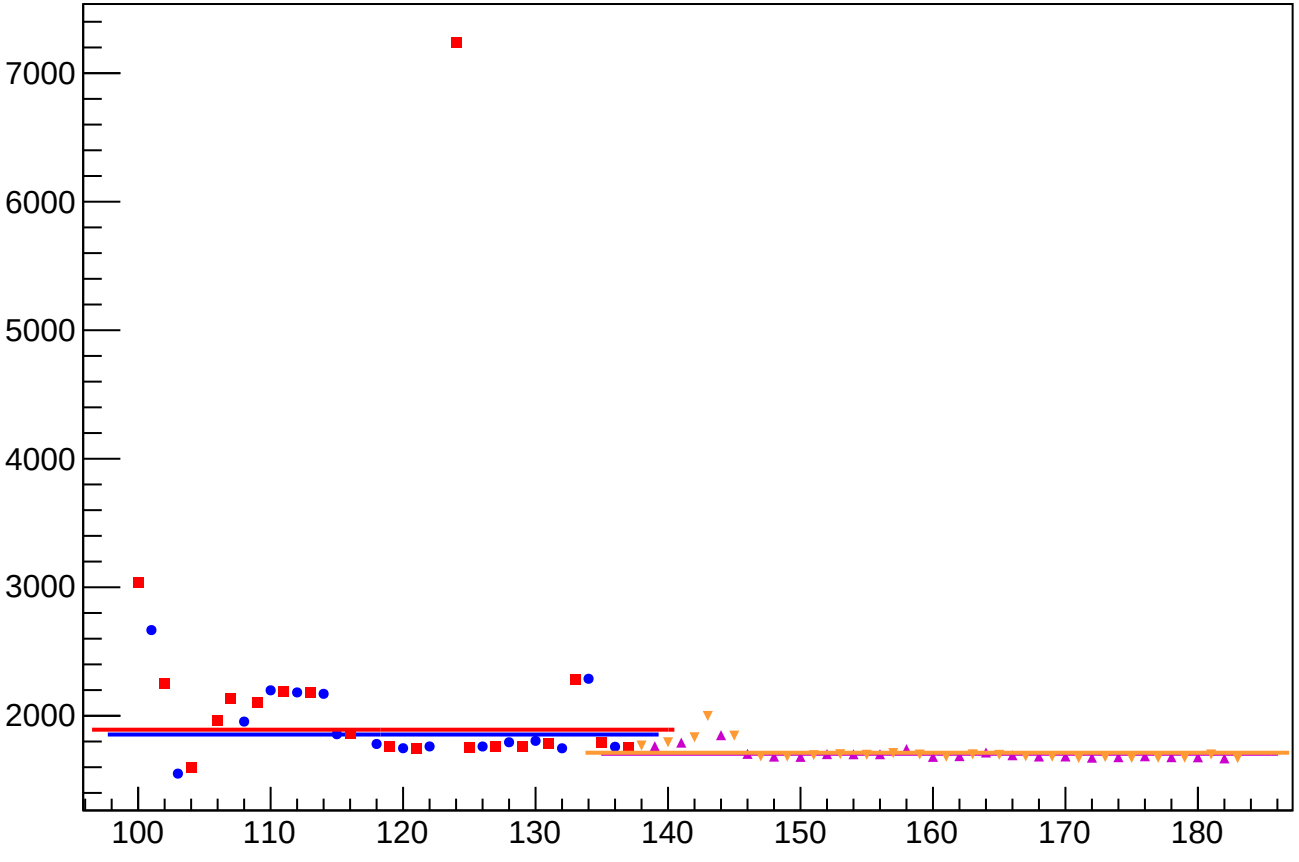
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2580.986+/-347.576 χ^2/NDF:29.9/37

Out: 1334.421+/-342.779 χ^2/NDF:42.3/42

All: 1949.042+/-244.060 χ^2/NDF: 78.7/80

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1712.571+/-0.277 χ^2/NDF:59494.0/23

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1704.500+/-0.284 χ^2/NDF:22360.8/21

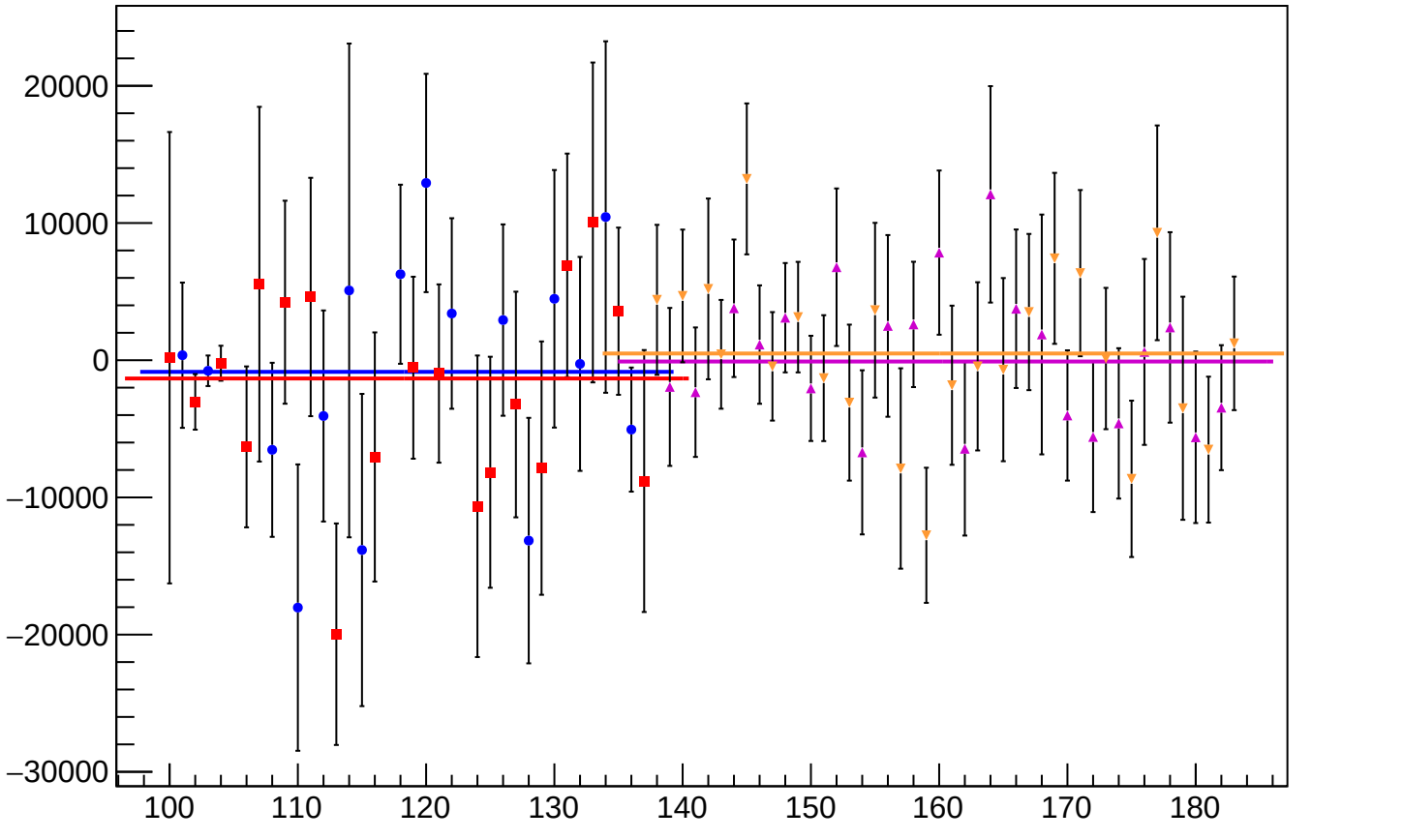
Left: 1708.632+/-0.198 χ^2/NDF: 82268.8/45

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1741.963+/-0.246 χ^2/NDF:355363.2/37

Out: 1754.886+/-0.242 χ^2/NDF:522588.5/42

All: 1748.517+/-0.173 χ^2/NDF: 879353.8/80



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 490.473+/-1101.104 χ^2/NDF:25.5/23

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -95.004+/-1141.101 χ^2/NDF:14.6/21

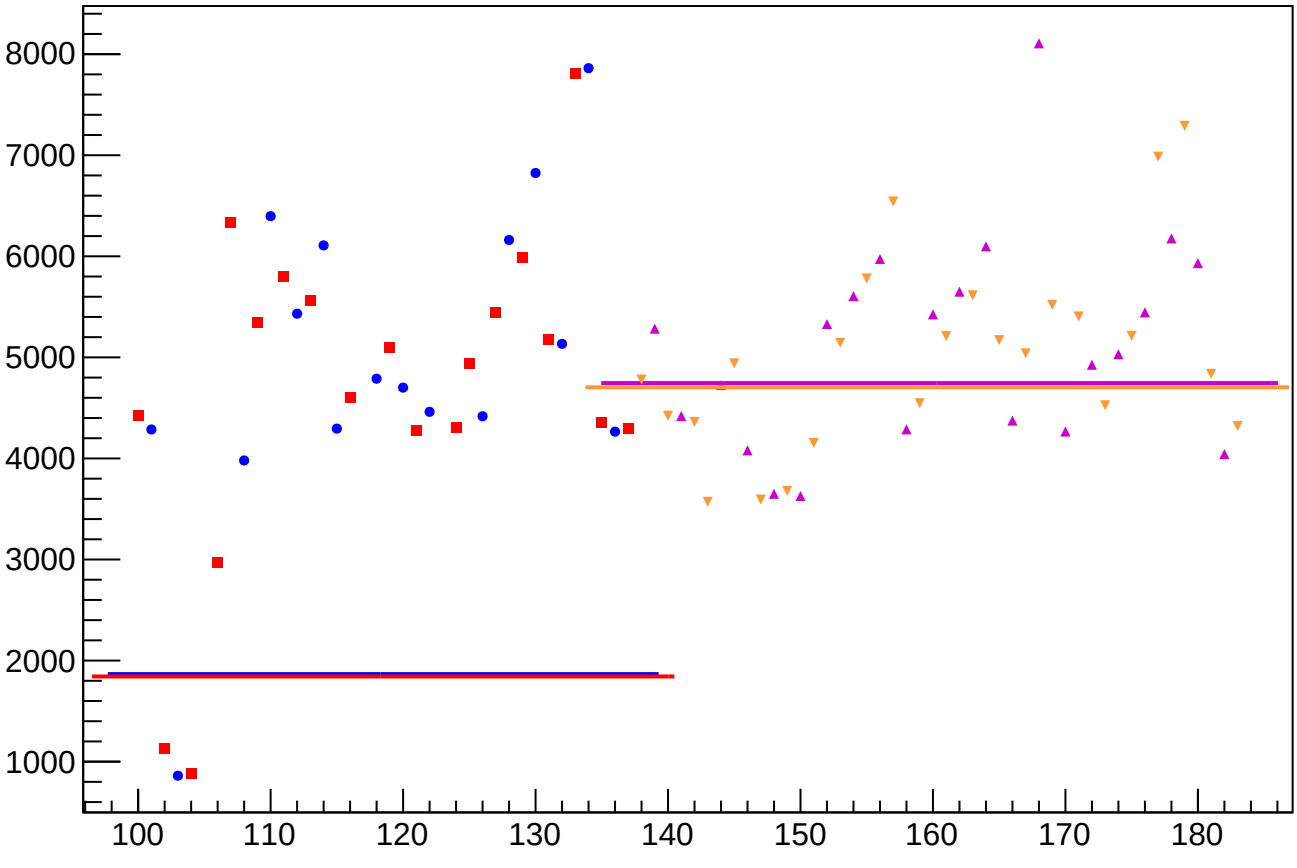
Left: 208.175+/-792.361 χ^2/NDF: 40.2/45

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -534.547+/-735.891 χ^2/NDF:28.7/37

Out: -555.664+/-718.491 χ^2/NDF:41.5/42

All: -545.358+/-514.091 χ^2/NDF: 70.2/80



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4703.928+/-0.779 χ^2/NDF:1235408.7/23

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4745.841+/-0.807 χ^2/NDF:1230270.2/21

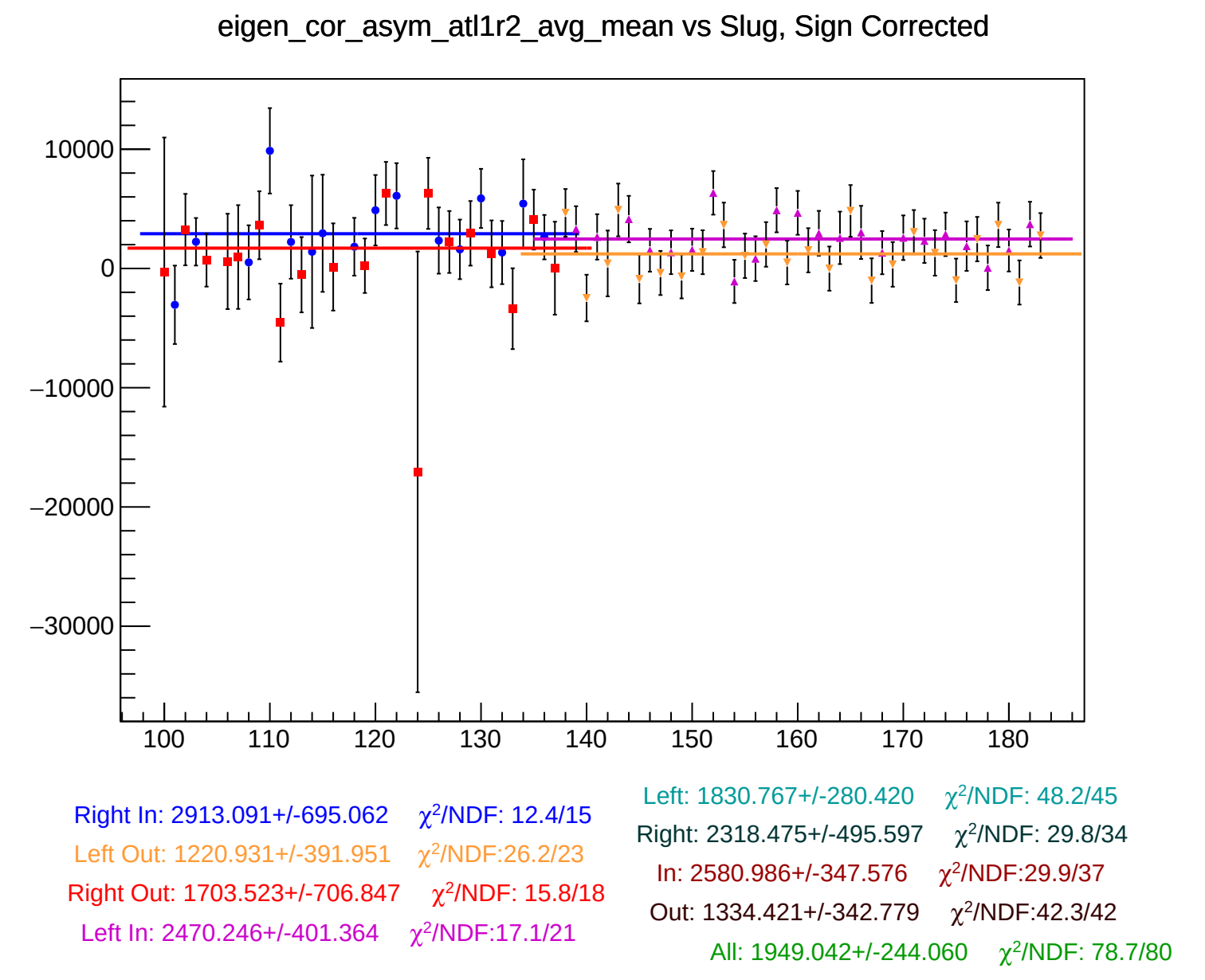
Left: 4724.137+/-0.560 χ^2/NDF: 2467076.2/45

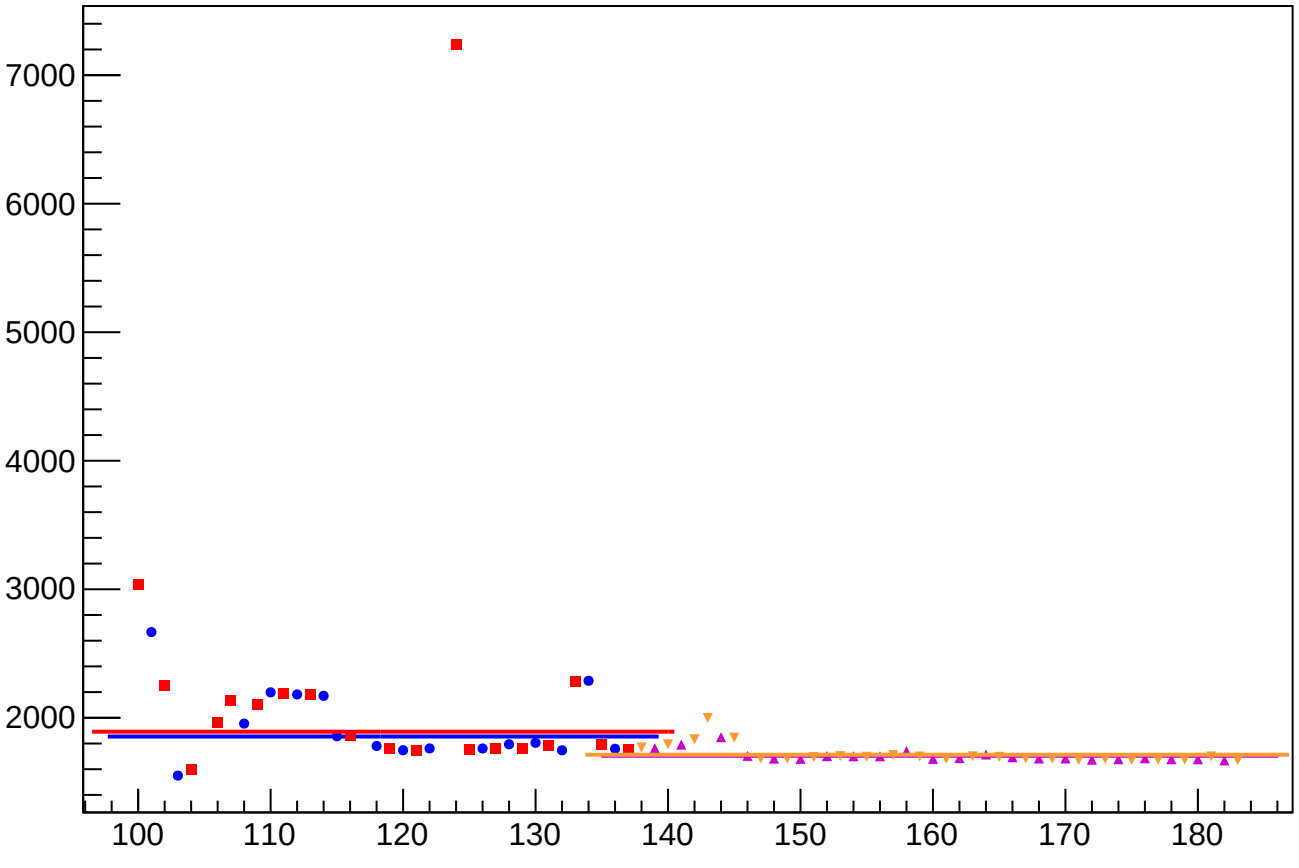
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 3063.845+/-0.520 χ^2/NDF:15519731.7/37

Out: 3061.062+/-0.508 χ^2/NDF:15447412.9/42

All: 3062.420+/-0.364 χ^2/NDF: 30967159.2/8


eigen_cor_asym_atl1r2_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 2913.091+/-695.062 χ²/NDF: 12.4/15
Left Out: 1220.931+/-391.951 χ²/NDF:26.2/23
Right Out: 1703.523+/-706.847 χ²/NDF: 15.8/18
Left In: 2470.246+/-401.364 χ²/NDF:17.1/21
Left: 1830.767+/-280.420 χ²/NDF: 48.2/45
Right: 2318.475+/-495.597 χ²/NDF: 29.8/34
In: 2580.986+/-347.576 χ²/NDF:29.9/37
Out: 1334.421+/-342.779 χ²/NDF:42.3/42
All: 1949.042+/-244.060 χ²/NDF: 78.7/80



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1712.571+/-0.277 χ^2/NDF:59494.0/23

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1704.500+/-0.284 χ^2/NDF:22360.8/21

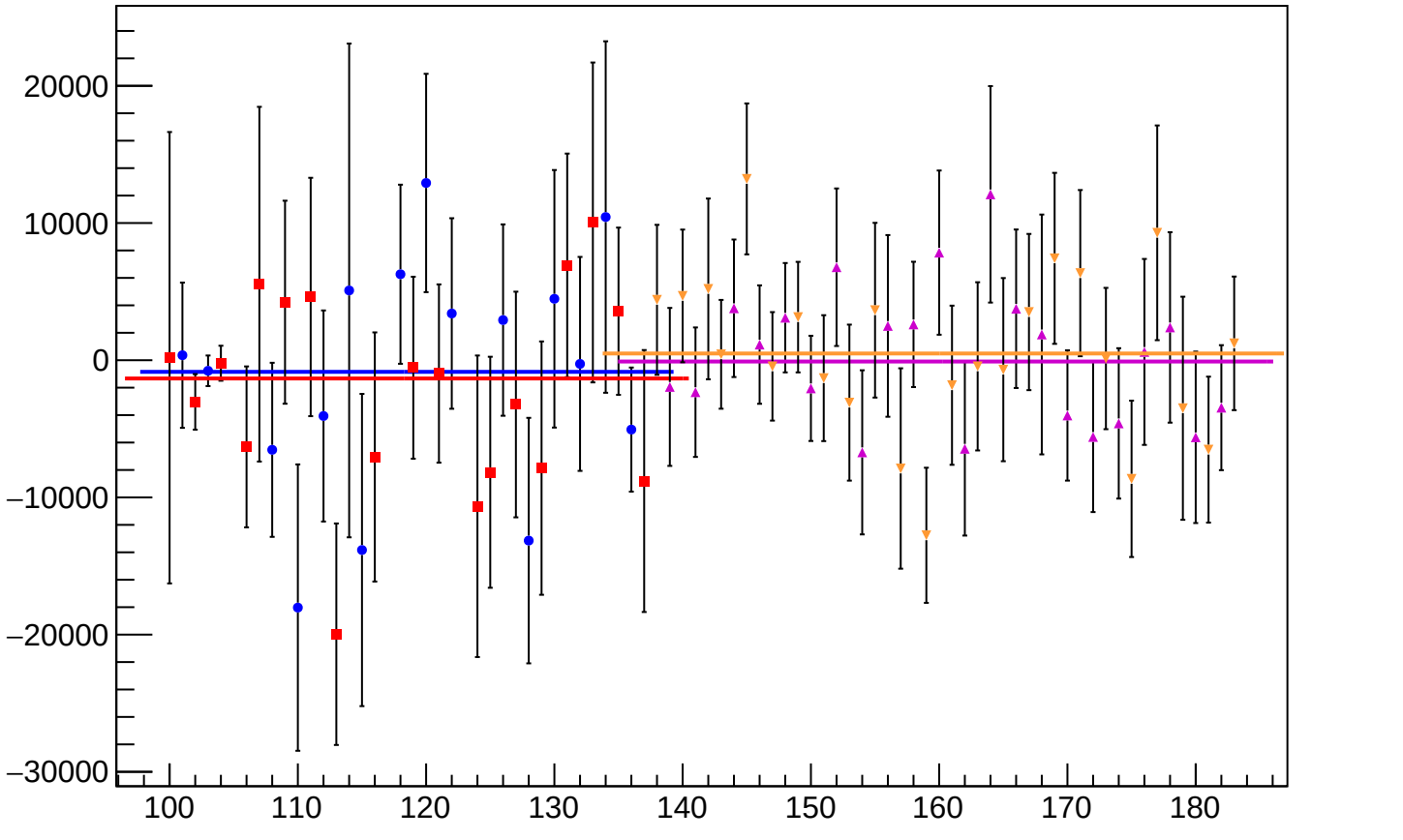
Left: 1708.632+/-0.198 χ^2/NDF: 82268.8/45

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1741.963+/-0.246 χ^2/NDF:355363.2/37

Out: 1754.886+/-0.242 χ^2/NDF:522588.5/42

All: 1748.517+/-0.173 χ^2/NDF: 879353.8/80



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 490.473+/-1101.104 χ^2/NDF:25.5/23

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: 208.175+/-792.361 χ^2/NDF: 40.2/45

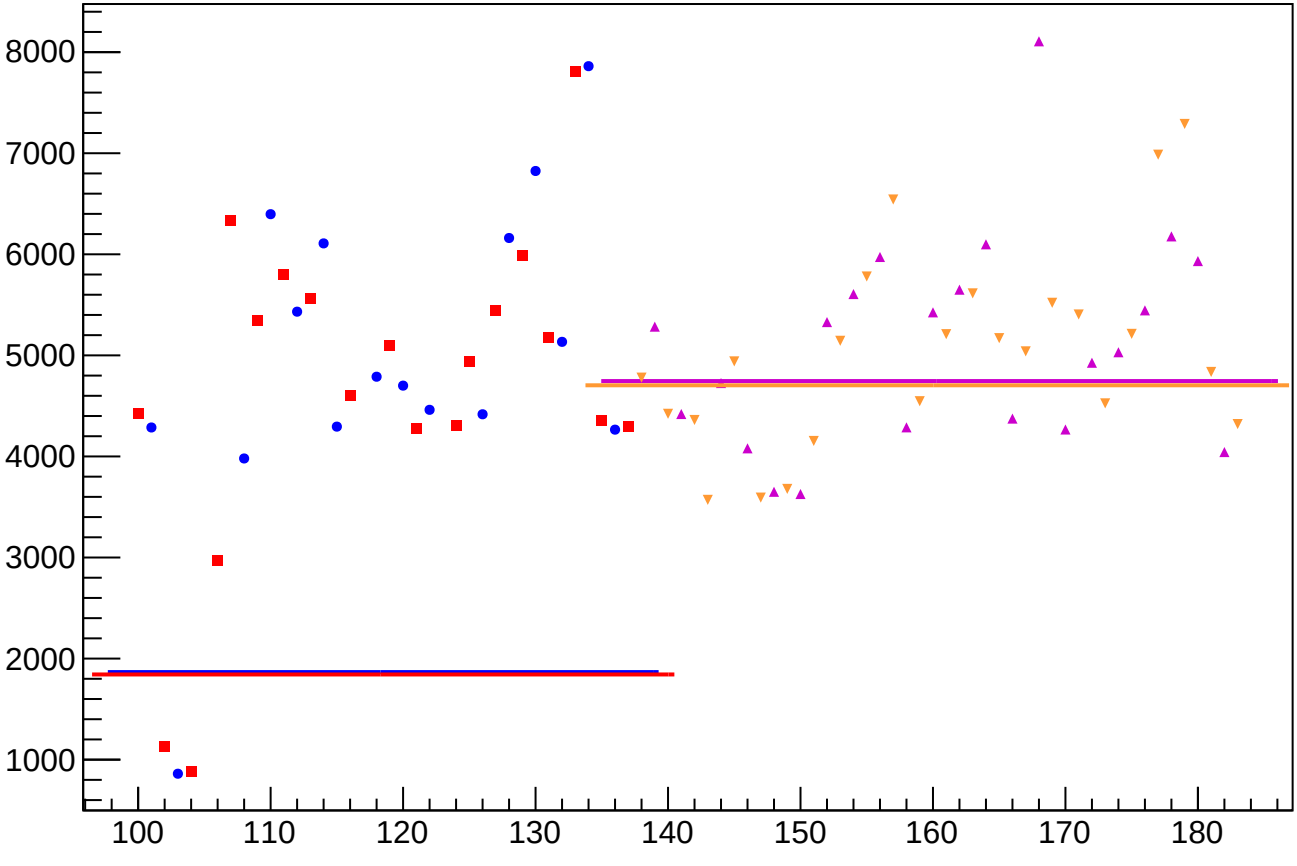
Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -534.547+/-735.891 χ^2/NDF:28.7/37

Out: -555.664+/-718.491 χ^2/NDF:41.5/42

All: -545.358+/-514.091 χ^2/NDF: 70.2/80

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4703.928+/-0.779 χ^2/NDF:1235408.7/23

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: 4724.137+/-0.560 χ^2/NDF: 2467076.2/45

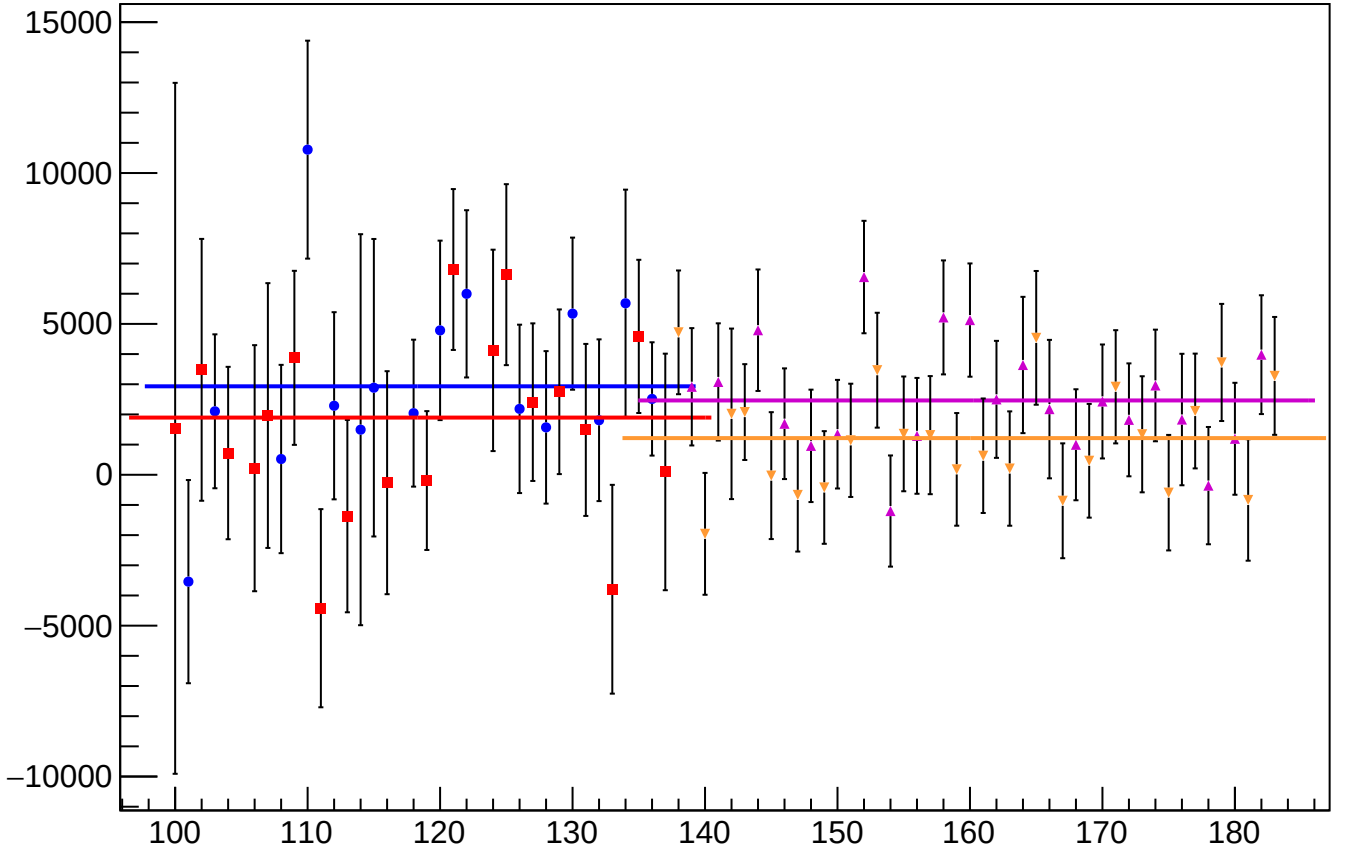
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 3063.845+/-0.520 χ^2/NDF:15519731.7/37

Out: 3061.062+/-0.508 χ^2/NDF:15447412.9/42

All: 3062.420+/-0.364 χ^2/NDF: 30967159.2/8

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1215.362+/-395.831 χ^2/NDF:19.3/23

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: 1815.870+/-285.117 χ^2/NDF: 44.5/45

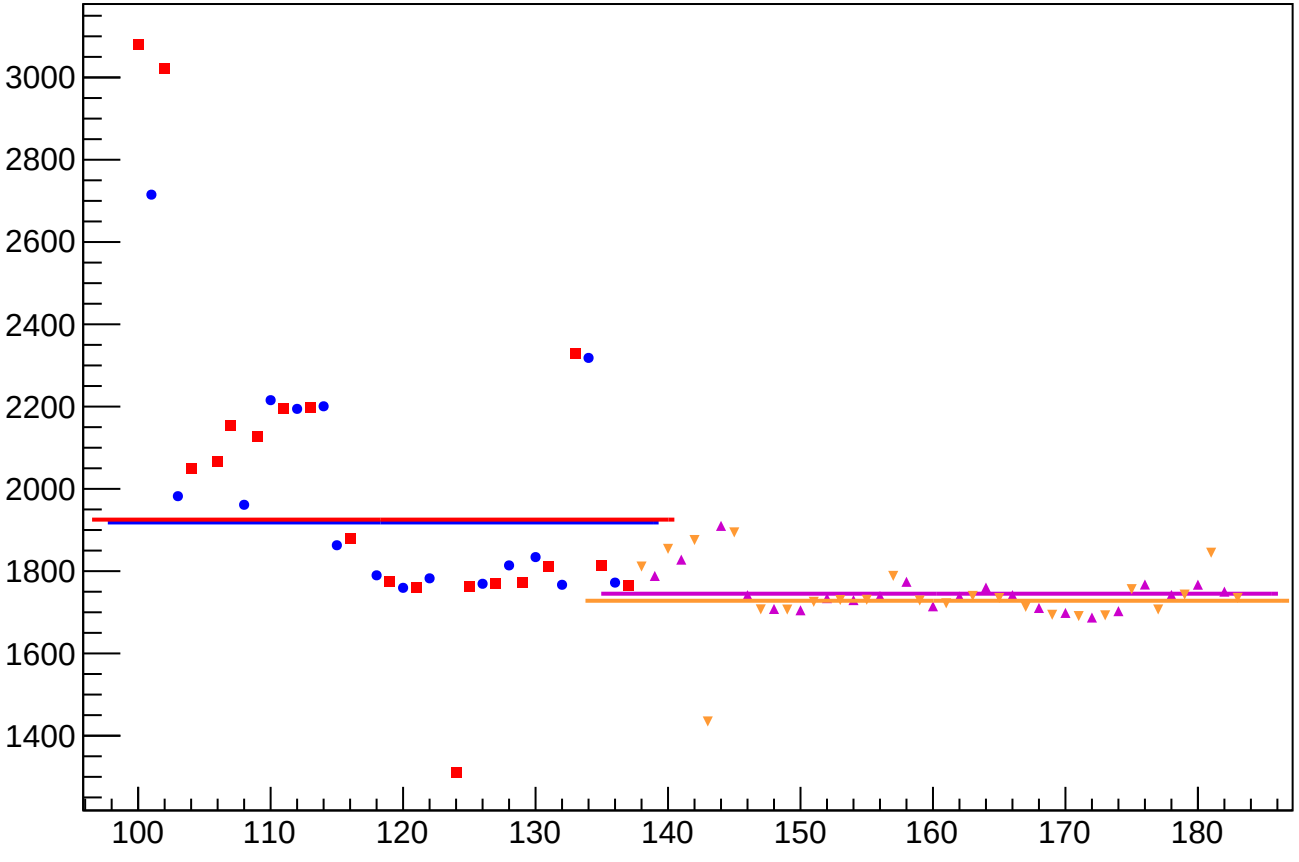
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2578.895+/-356.752 χ^2/NDF:33.7/37

Out: 1372.563+/-347.086 χ^2/NDF:37.4/42

All: 1959.165+/-248.774 χ^2/NDF: 77.0/80

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1728.053+/-0.280 χ^2/NDF:109675.8/23

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1745.177+/-0.291 χ^2/NDF:26589.9/21

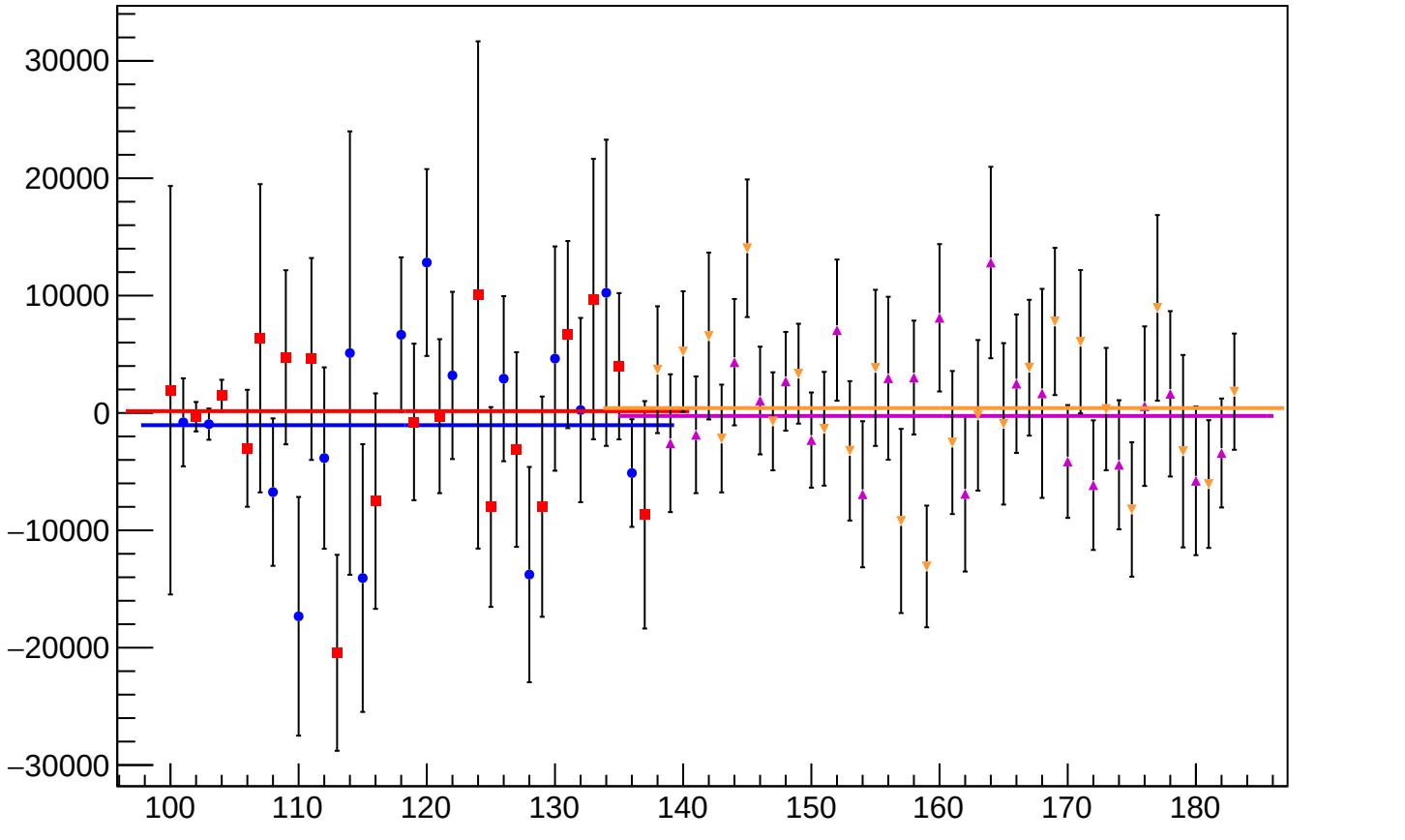
Left: 1736.292+/-0.202 χ^2/NDF: 138066.7/45

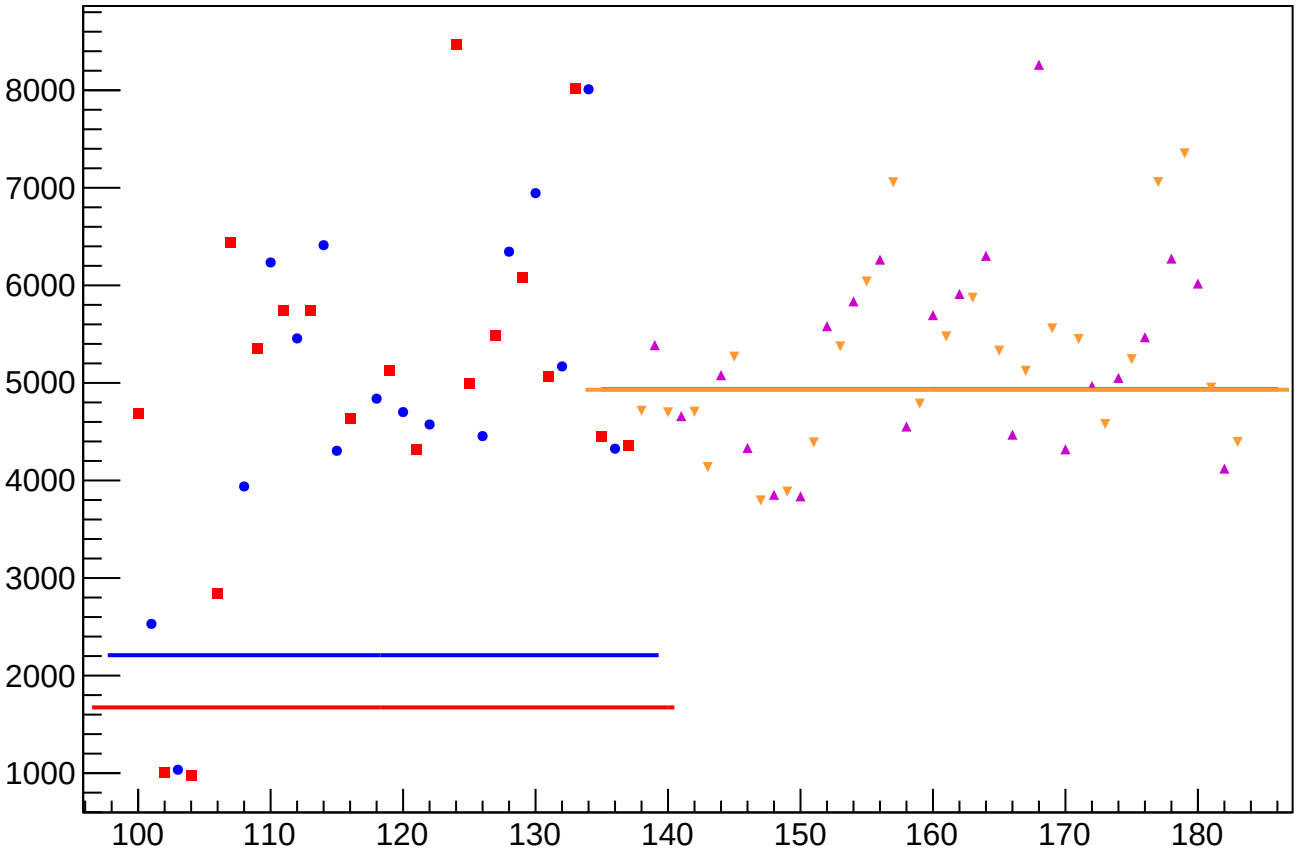
Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1787.897+/-0.252 χ^2/NDF:329770.9/37

Out: 1773.691+/-0.245 χ^2/NDF:563654.4/42

All: 1780.598+/-0.176 χ^2/NDF: 895055.0/80


asym_atl1r2_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1041.908+/-1072.406 χ²/NDF: 13.8/15
Left Out: 417.865+/-1150.705 χ²/NDF:25.3/23
Right Out: 153.619+/-835.656 χ²/NDF: 13.7/18
Left In: -254.156+/-1184.978 χ²/NDF:14.4/21
Left: 91.713+/-825.522 χ²/NDF: 39.9/45
Right: -298.053+/-659.161 χ²/NDF: 28.3/34
In: -687.219+/-795.133 χ²/NDF:28.5/37
Out: 244.860+/-676.166 χ²/NDF:39.1/42
All: -146.302+/-515.101 χ²/NDF: 68.4/80



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4930.175+/-0.814 χ^2/NDF:1044966.5/23

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4934.937+/-0.838 χ^2/NDF:1141998.4/21

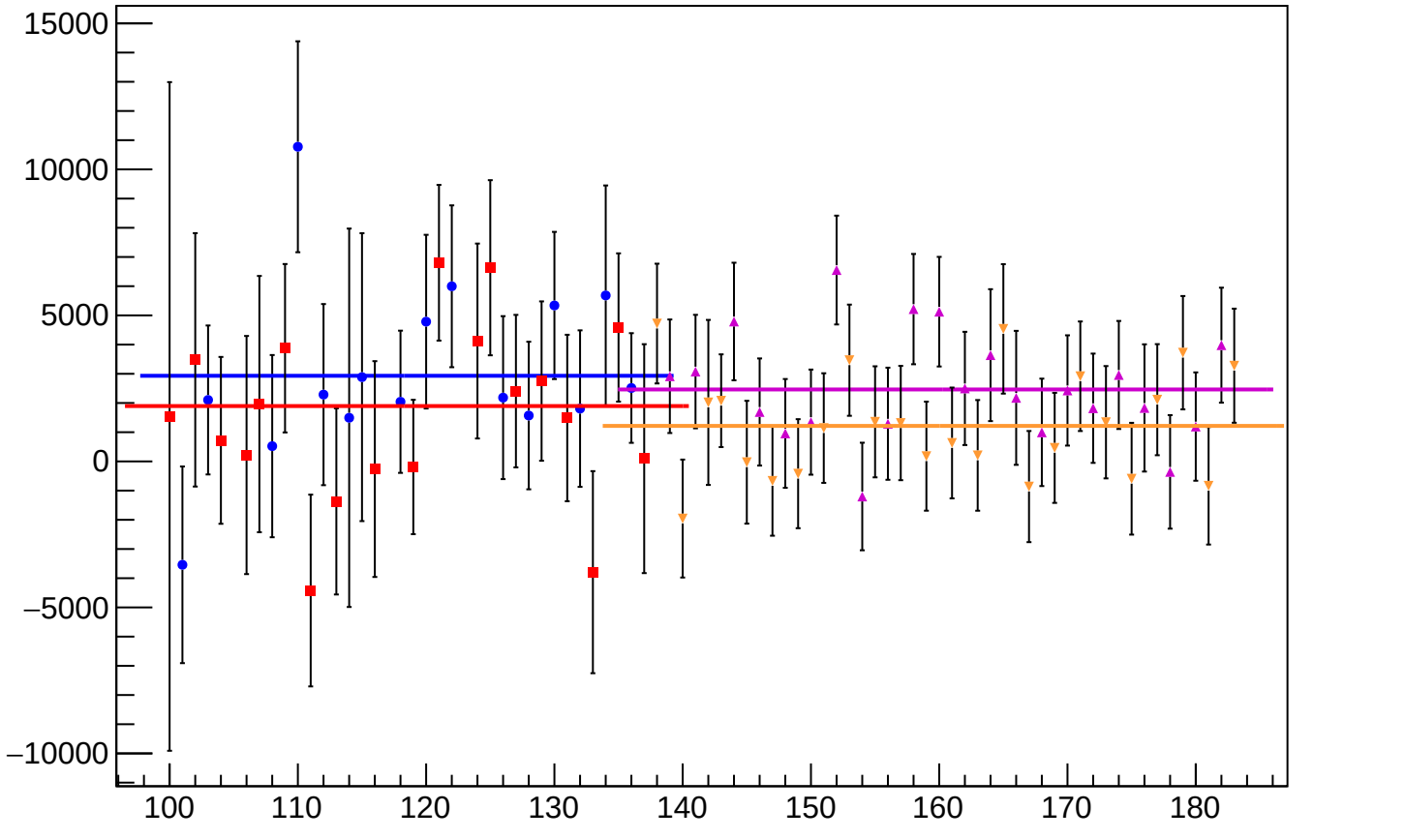
Left: 4932.486+/-0.584 χ^2/NDF: 2186981.5/45

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3436.319+/-0.562 χ^2/NDF:12459763.9/37

Out: 2798.416+/-0.478 χ^2/NDF:18382154.9/42

All: 3066.123+/-0.364 χ^2/NDF: 31588947.4/8



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1215.357+/-395.832 χ^2/NDF:19.3/23

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2463.378+/-411.030 χ^2/NDF:20.4/21

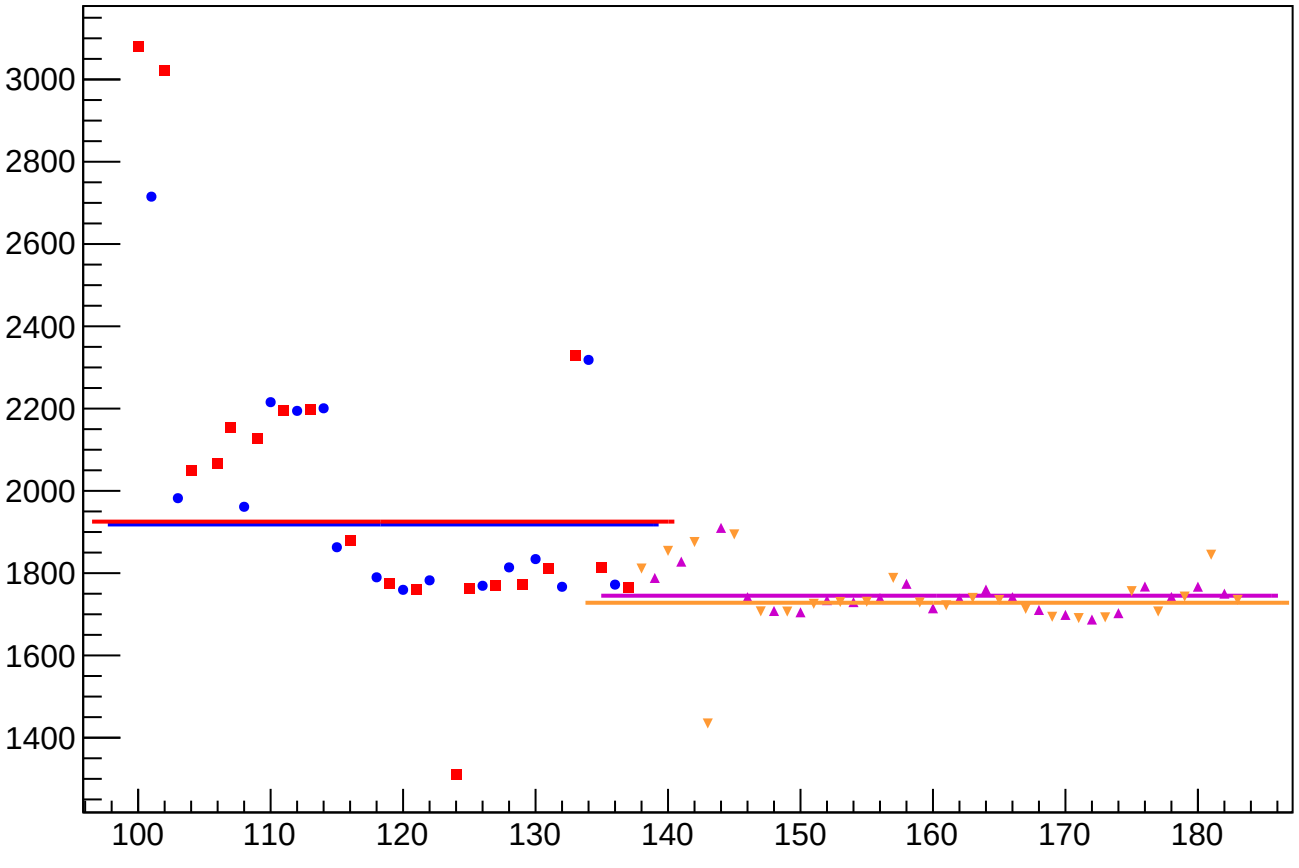
Left: 1815.868+/-285.117 χ^2/NDF: 44.5/45

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2578.896+/-356.752 χ^2/NDF:33.7/37

Out: 1372.560+/-347.086 χ^2/NDF:37.4/42

All: 1959.164+/-248.774 χ^2/NDF: 77.0/80



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1728.054+/-0.280 χ^2/NDF:109674.8/23

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: 1736.293+/-0.202 χ^2/NDF: 138065.7/45

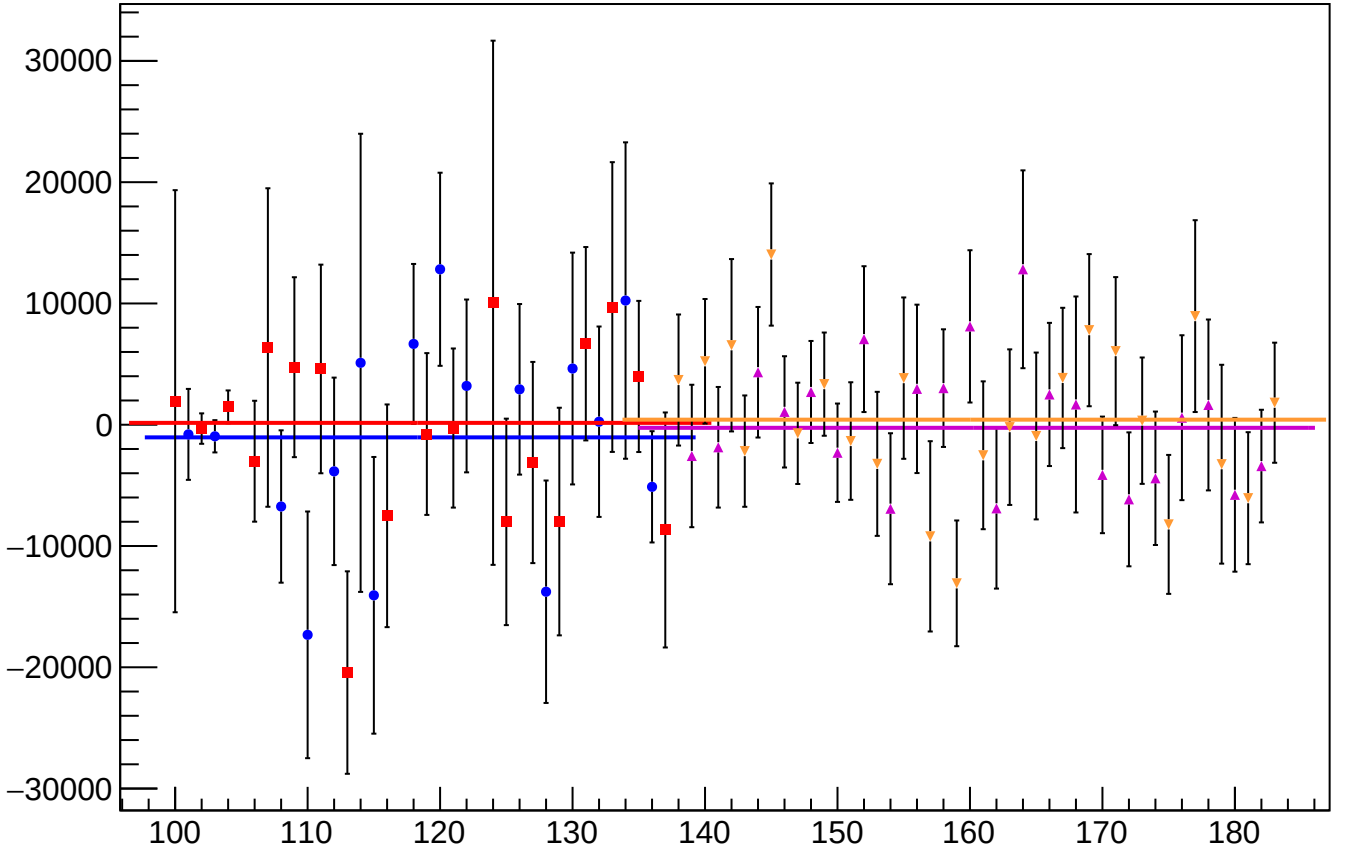
Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1787.898+/-0.252 χ^2/NDF:329769.6/37

Out: 1773.691+/-0.245 χ^2/NDF:563650.9/42

All: 1780.598+/-0.176 χ^2/NDF: 895050.2/80

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 417.863+/-1150.707 χ^2/NDF:25.3/23

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: -254.159+/-1184.980 χ^2/NDF:14.4/21

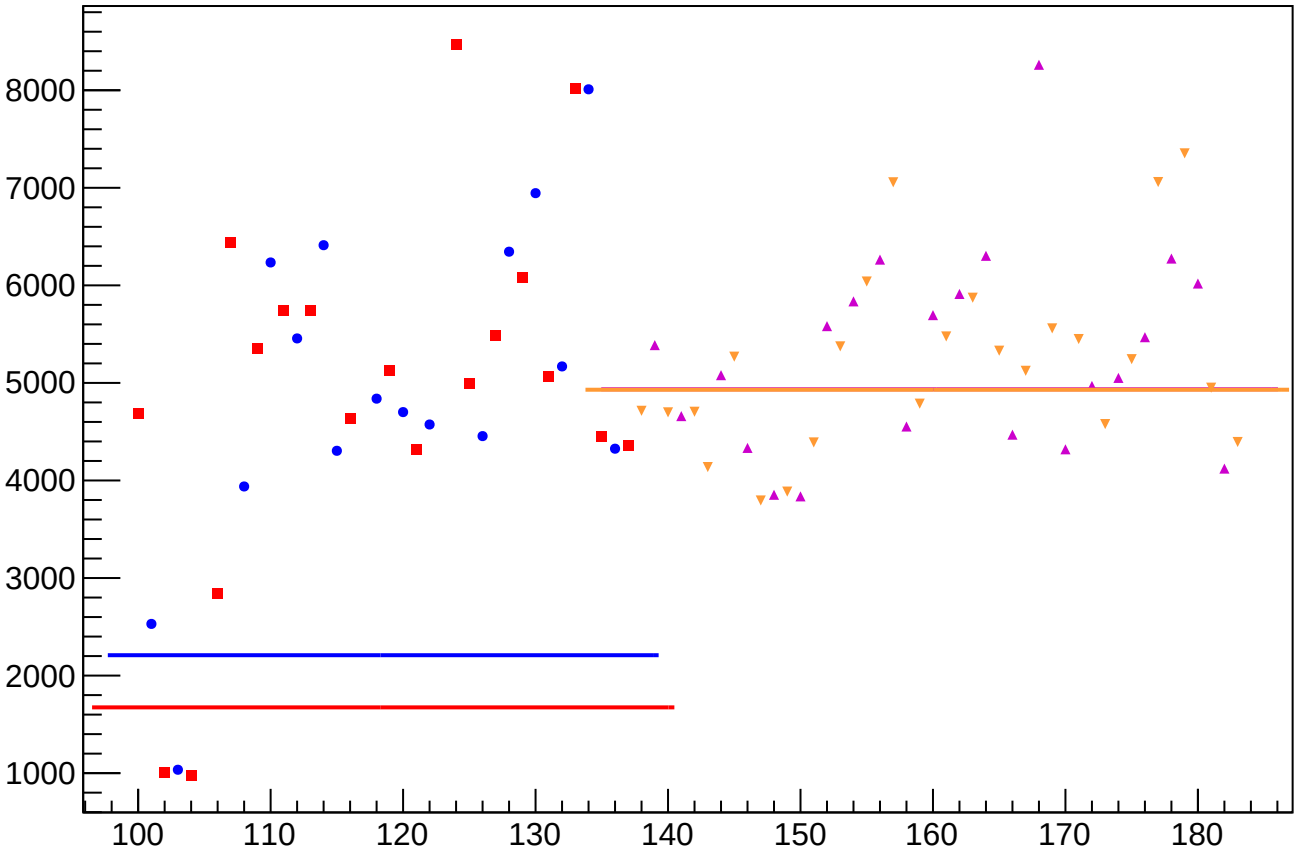
Left: 91.711+/-825.524 χ^2/NDF: 39.9/45

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -687.219+/-795.133 χ^2/NDF:28.5/37

Out: 244.855+/-676.166 χ^2/NDF:39.1/42

All: -146.305+/-515.101 χ^2/NDF: 68.4/80



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4930.183+/-0.814 χ^2/NDF:1044967.9/23

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: 4932.494+/-0.584 χ^2/NDF: 2186986.4/45

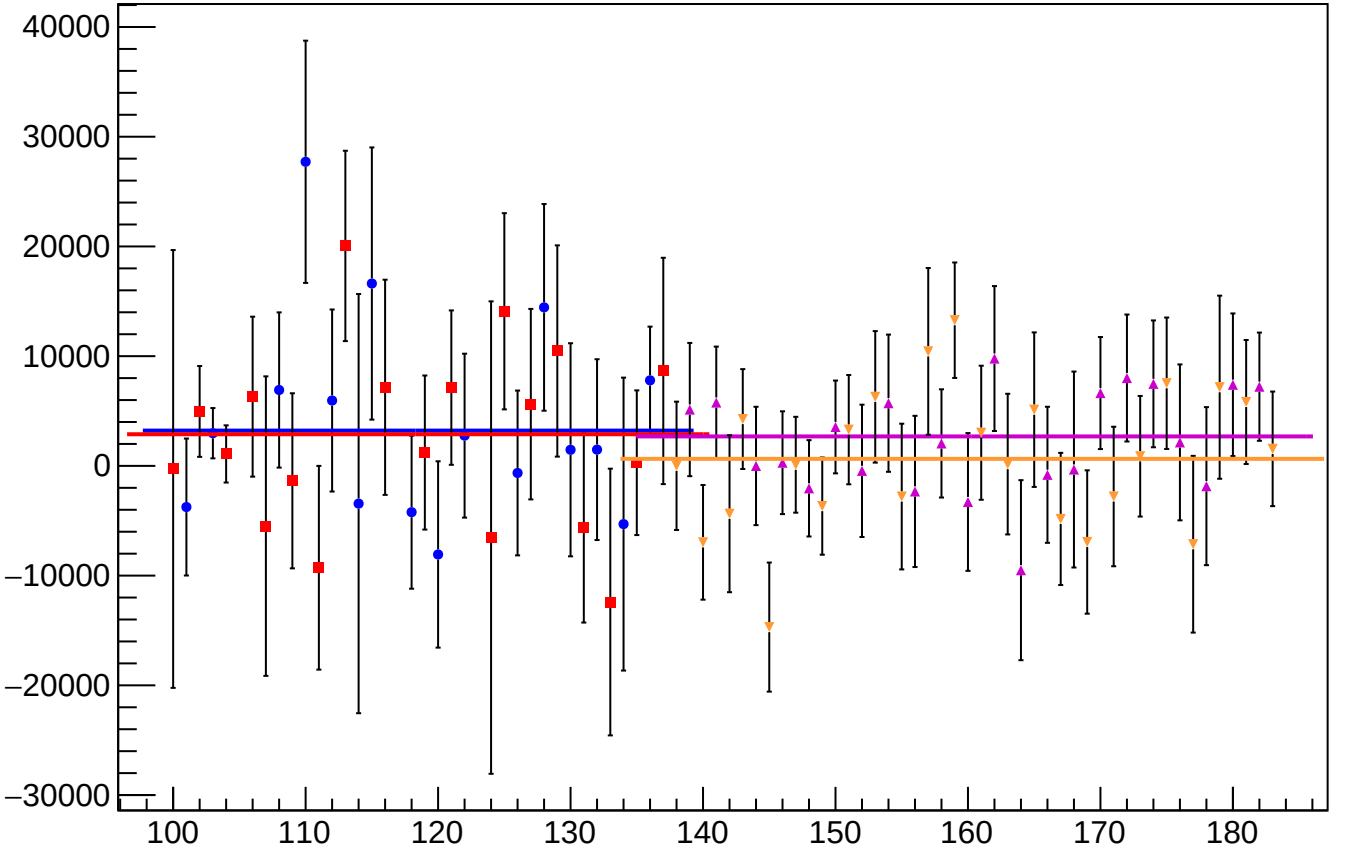
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3436.319+/-0.562 χ^2/NDF:12459789.9/37

Out: 2798.415+/-0.478 χ^2/NDF:18382183.6/42

All: 3066.122+/-0.364 χ^2/NDF: 31589002.9/8

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 641.845+/-1181.793 χ^2/NDF:26.7/23

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 2686.266+/-1219.550 χ^2/NDF:11.9/21

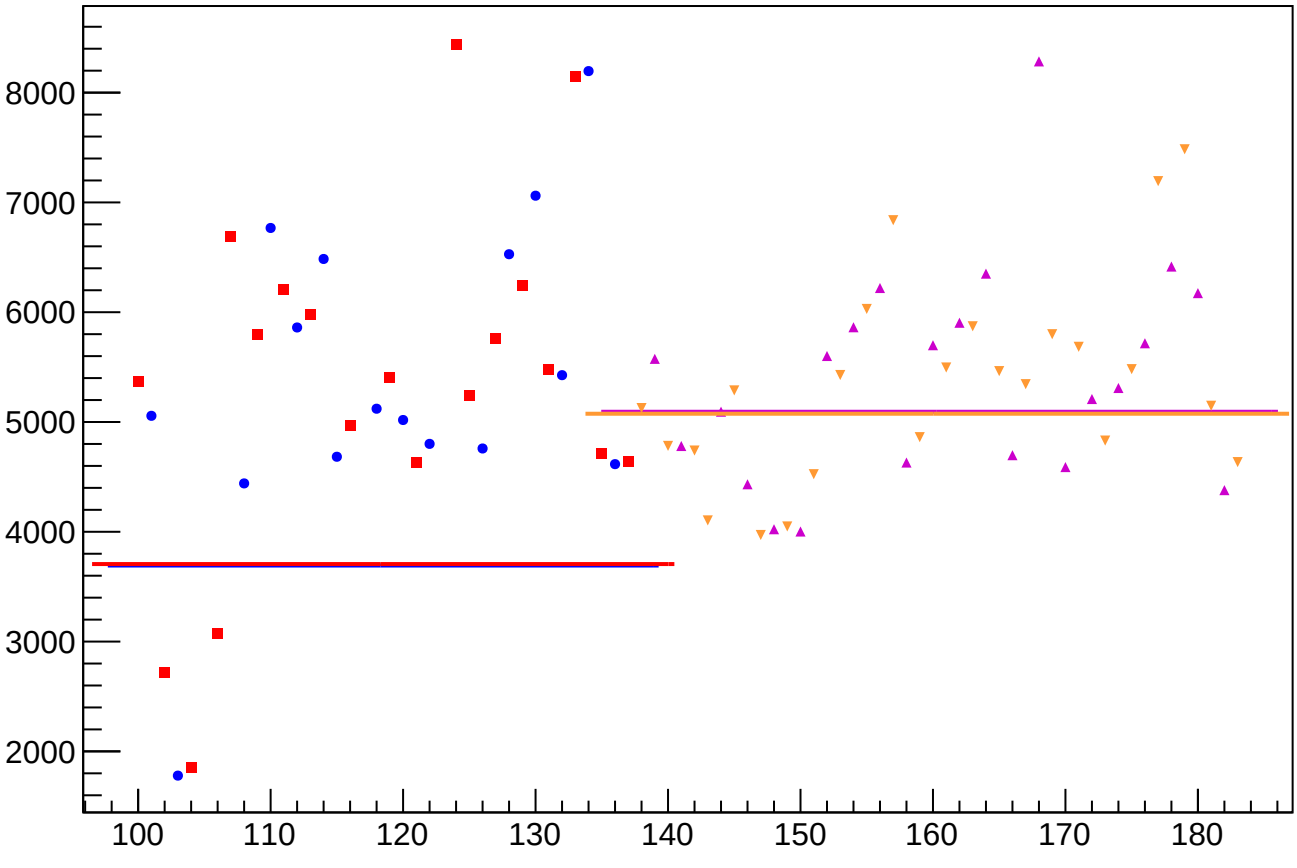
Left: 1631.919+/-848.688 χ^2/NDF: 40.0/45

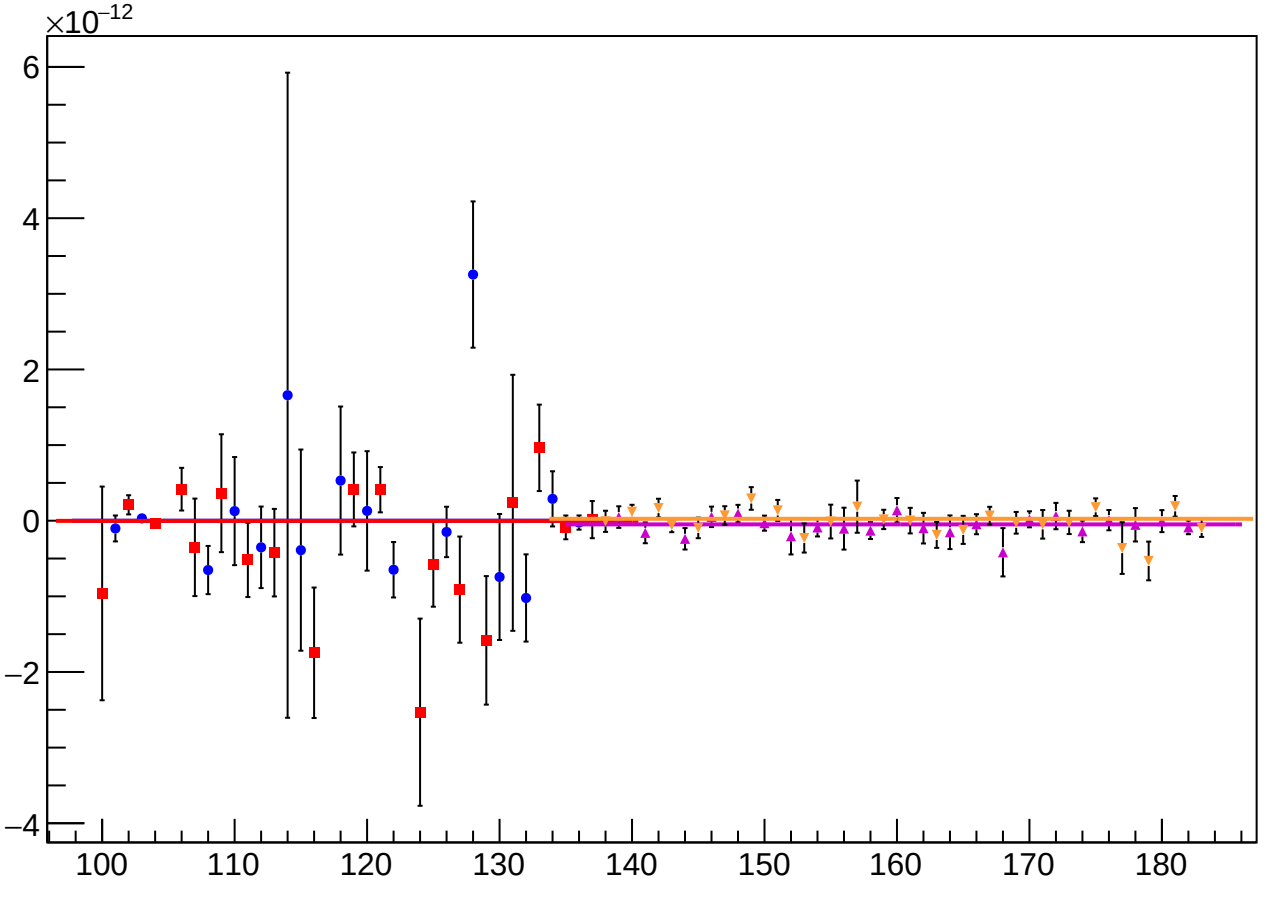
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2890.439+/-955.890 χ^2/NDF:25.8/37

Out: 1464.464+/-940.262 χ^2/NDF:41.4/42

All: 2165.699+/-670.323 χ^2/NDF: 68.3/80


asym_atl1r2_avg_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3692.815+/-1.088 χ²/NDF: 2885658.0/15
Left Out: 5075.230+/-0.836 χ²/NDF:949606.6/23
Right Out: 3706.081+/-1.087 χ²/NDF: 2684528.0/18
Left In: 5093.250+/-0.862 χ²/NDF:989858.1/21
Left: 5083.957+/-0.600 χ²/NDF: 1939689.8/45
Right: 3699.460+/-0.769 χ²/NDF: 5570260.4/34
In: 4553.175+/-0.676 χ²/NDF:4892579.2/37
Out: 4566.376+/-0.662 χ²/NDF:4631813.4/42
All: 4559.908+/-0.473 χ²/NDF: 9524587.2/80



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/21

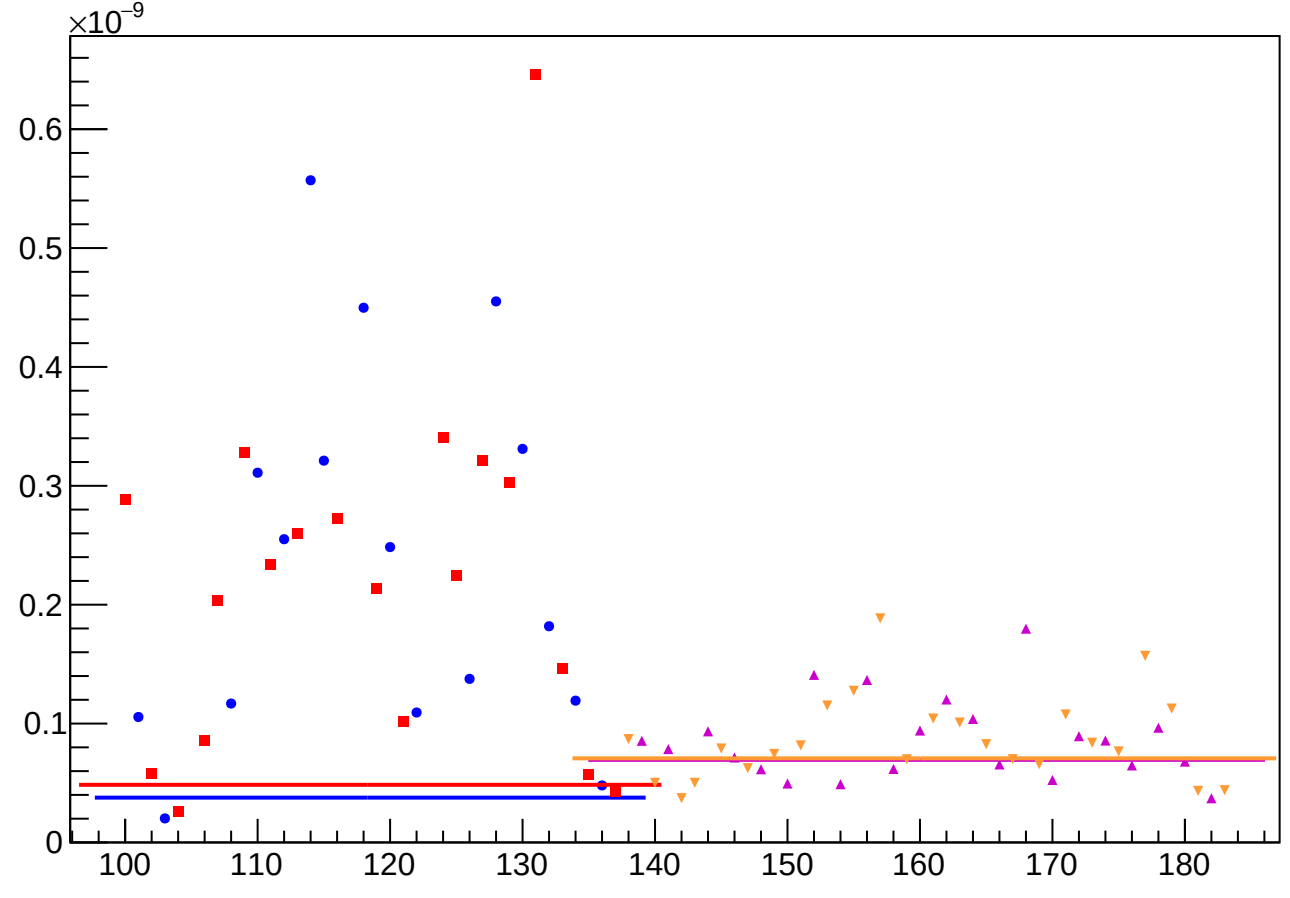
Left: -0.000+/-0.000 χ^2/NDF: 36.9/45

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:51.4/42

All: -0.000+/-0.000 χ^2/NDF: 90.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1482466.0/23

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: 2877946.0/45

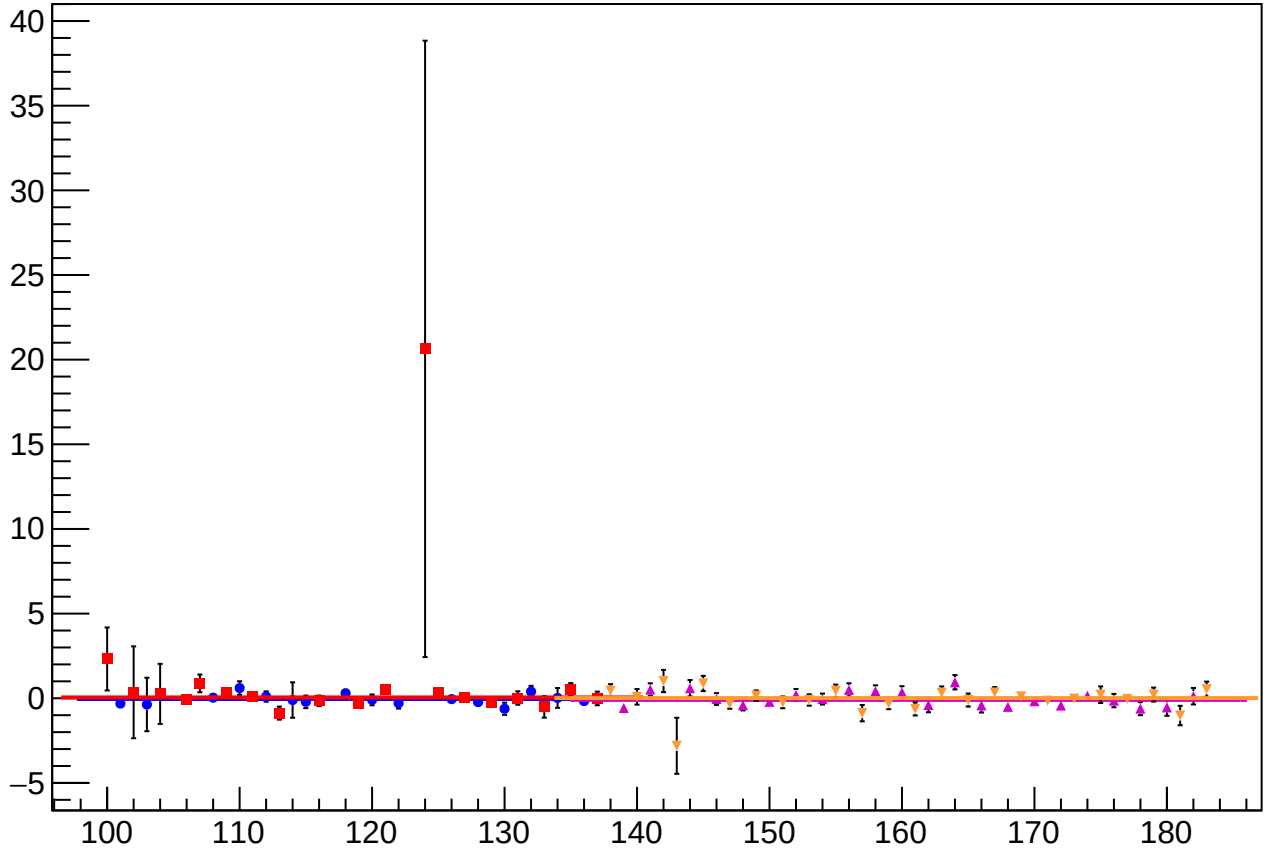
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:5451189.6/37

Out: 0.000+/-0.000 χ^2/NDF:4726100.5/42

All: 0.000+/-0.000 χ^2/NDF: 10277251.4/80

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: 0.011+/-0.071 χ^2/NDF:28.2/23

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: -0.042+/-0.050 χ^2/NDF: 59.9/45

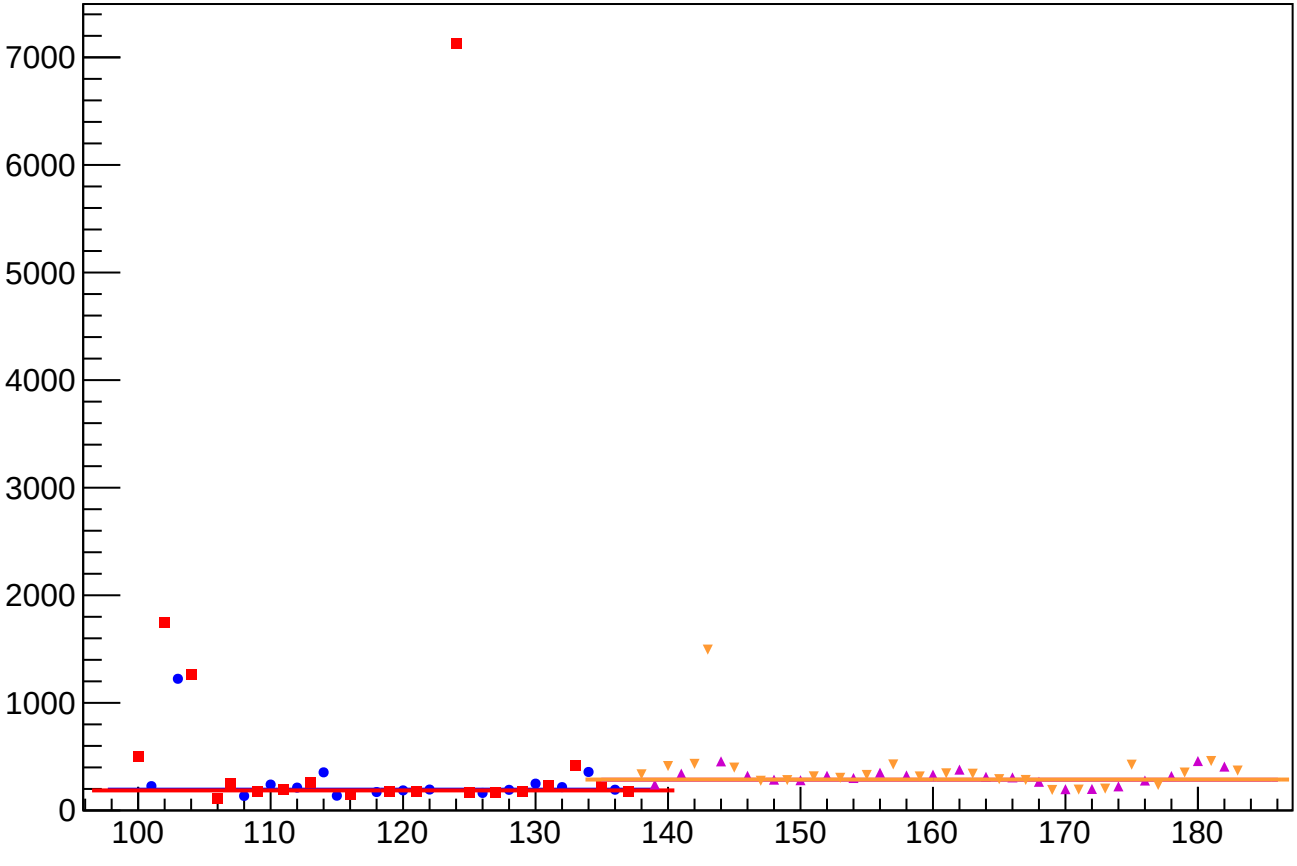
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.071+/-0.052 χ^2/NDF:42.6/37

Out: 0.028+/-0.053 χ^2/NDF:51.3/42

All: -0.022+/-0.037 χ^2/NDF: 95.7/80

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 287.338+/-0.050 χ^2/NDF:3333825.9/23

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: 286.263+/-0.035 χ^2/NDF: 5064581.3/45

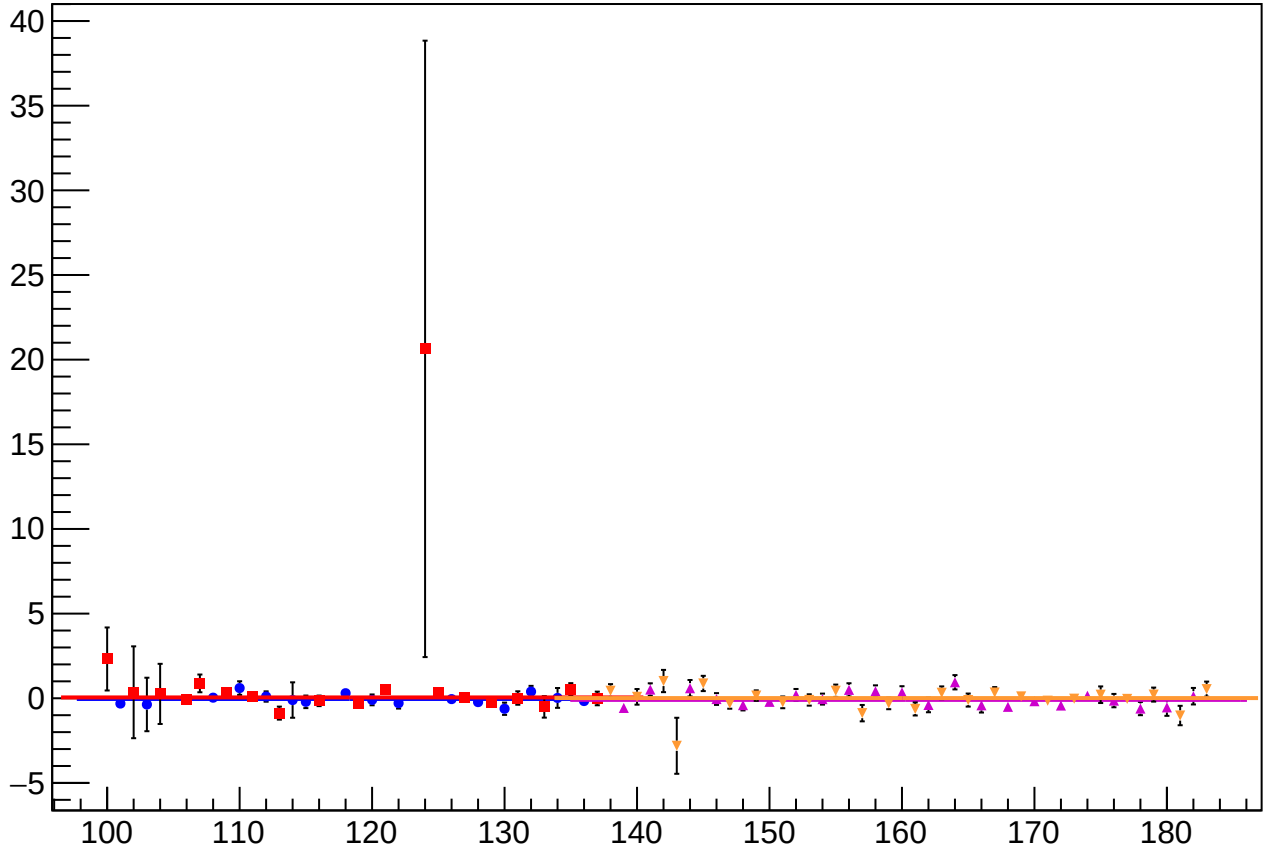
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 243.475+/-0.037 χ^2/NDF:4665850.5/37

Out: 242.201+/-0.037 χ^2/NDF:7628567.5/42

All: 242.842+/-0.026 χ^2/NDF: 12295006.4/80

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: 0.011+/-0.071 χ^2/NDF:28.2/23

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: -0.042+/-0.050 χ^2/NDF: 59.9/45

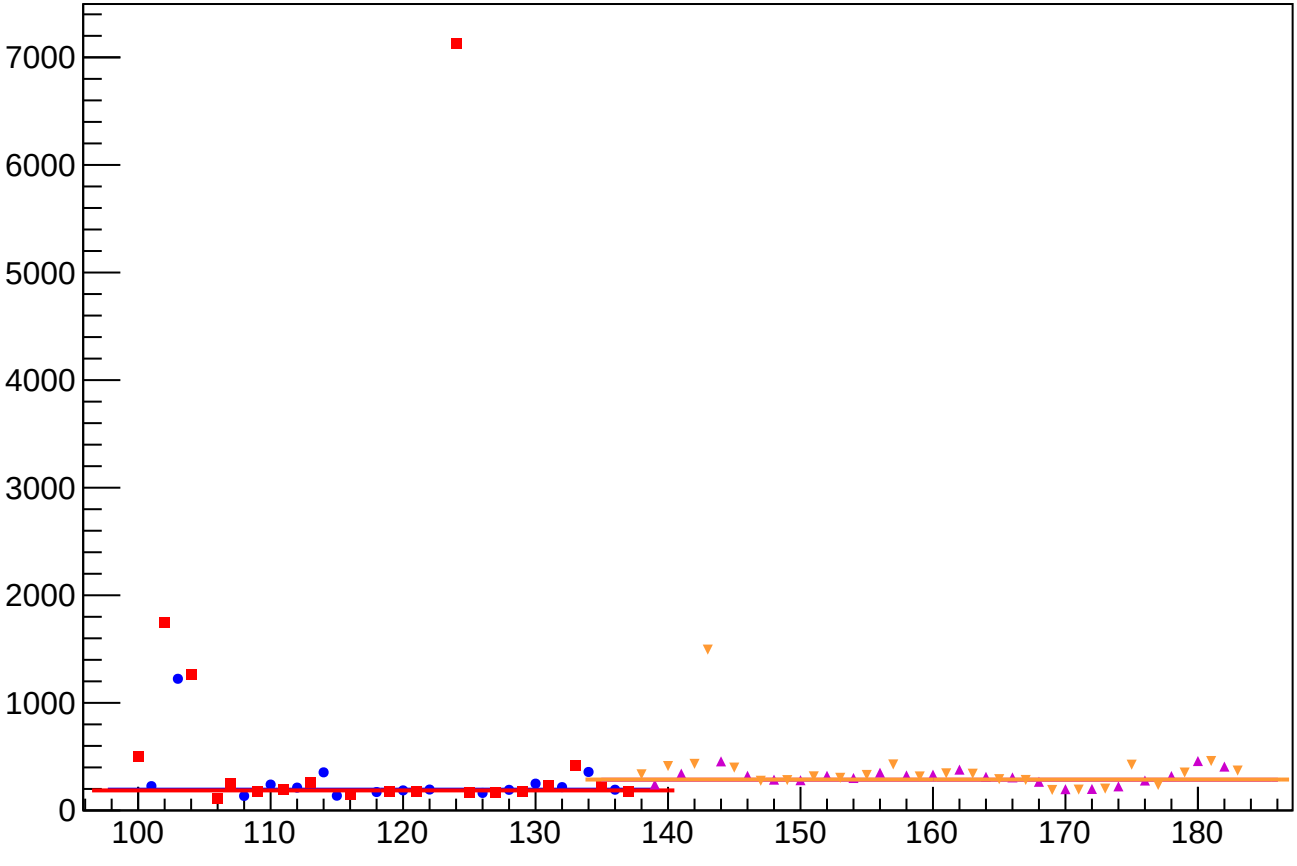
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.071+/-0.052 χ^2/NDF:42.6/37

Out: 0.028+/-0.053 χ^2/NDF:51.3/42

All: -0.022+/-0.037 χ^2/NDF: 95.7/80

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: 287.338+/-0.050 χ^2/NDF:3333825.9/23

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: 286.263+/-0.035 χ^2/NDF: 5064581.3/45

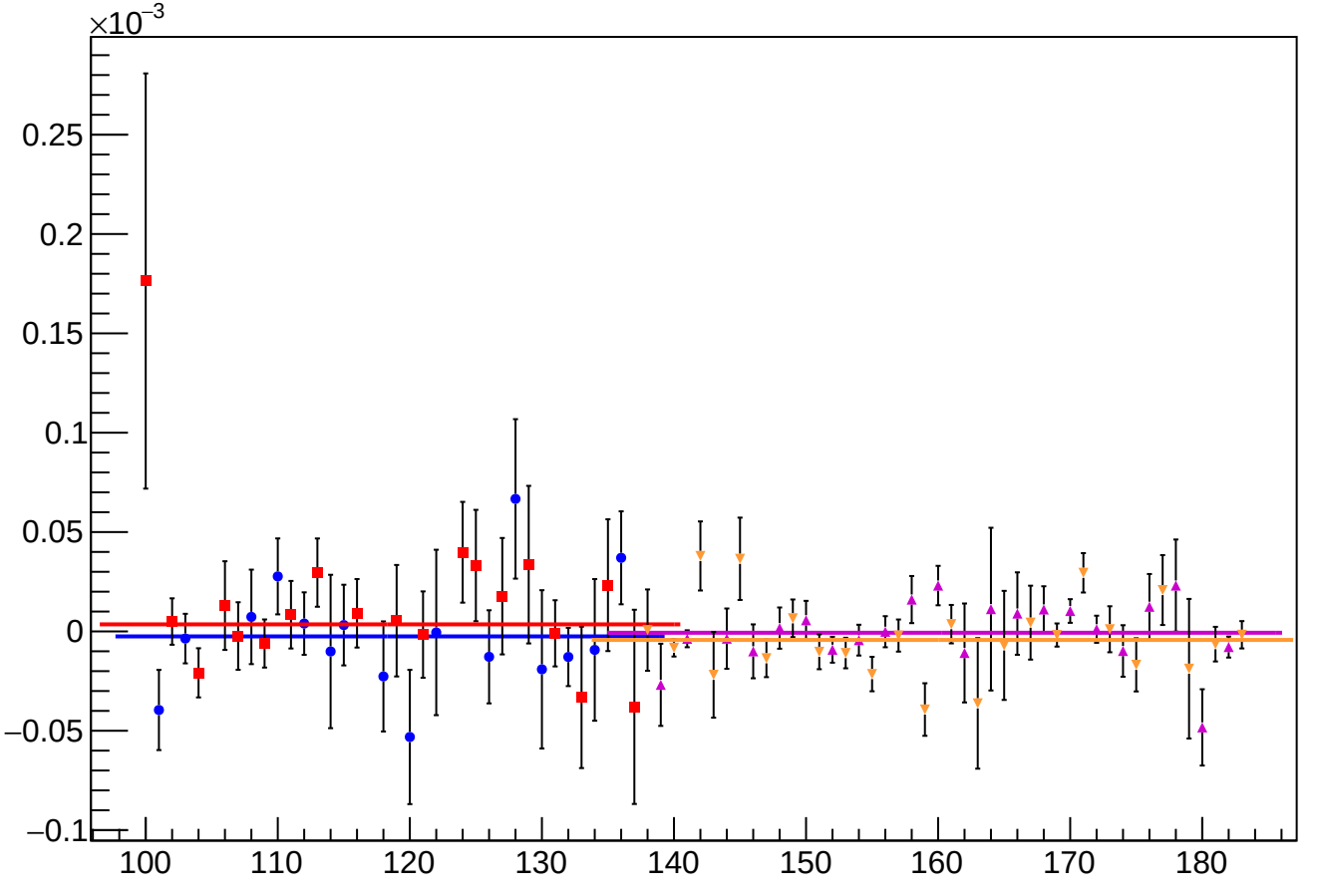
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 243.475+/-0.037 χ^2/NDF:4665850.5/37

Out: 242.201+/-0.037 χ^2/NDF:7628567.5/42

All: 242.842+/-0.026 χ^2/NDF: 12295006.4/80

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.9/23

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: 72.5/45

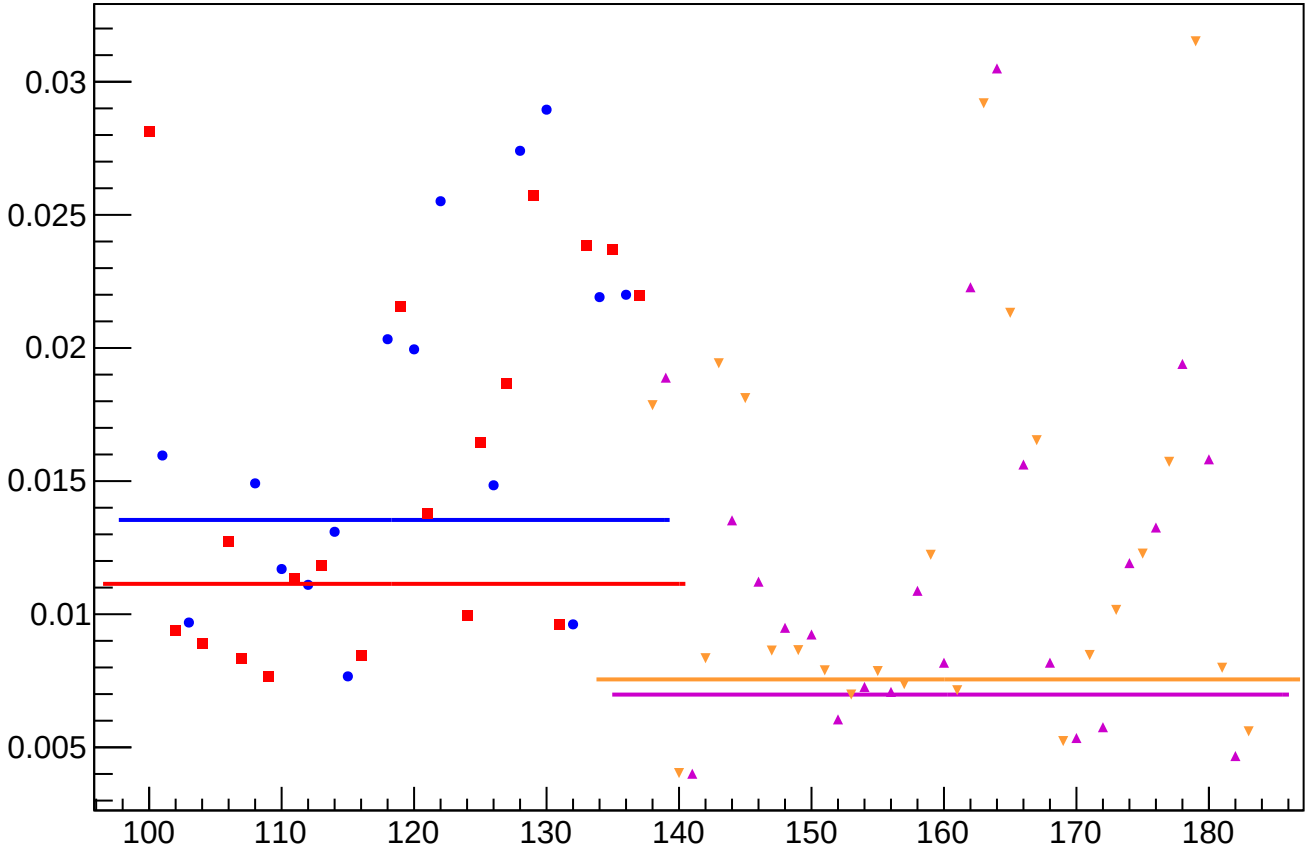
Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:43.8/37

Out: -0.000+/-0.000 χ^2/NDF:61.8/42

All: -0.000+/-0.000 χ^2/NDF: 106.3/80

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7291066.2/23

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: 14048151.2/45

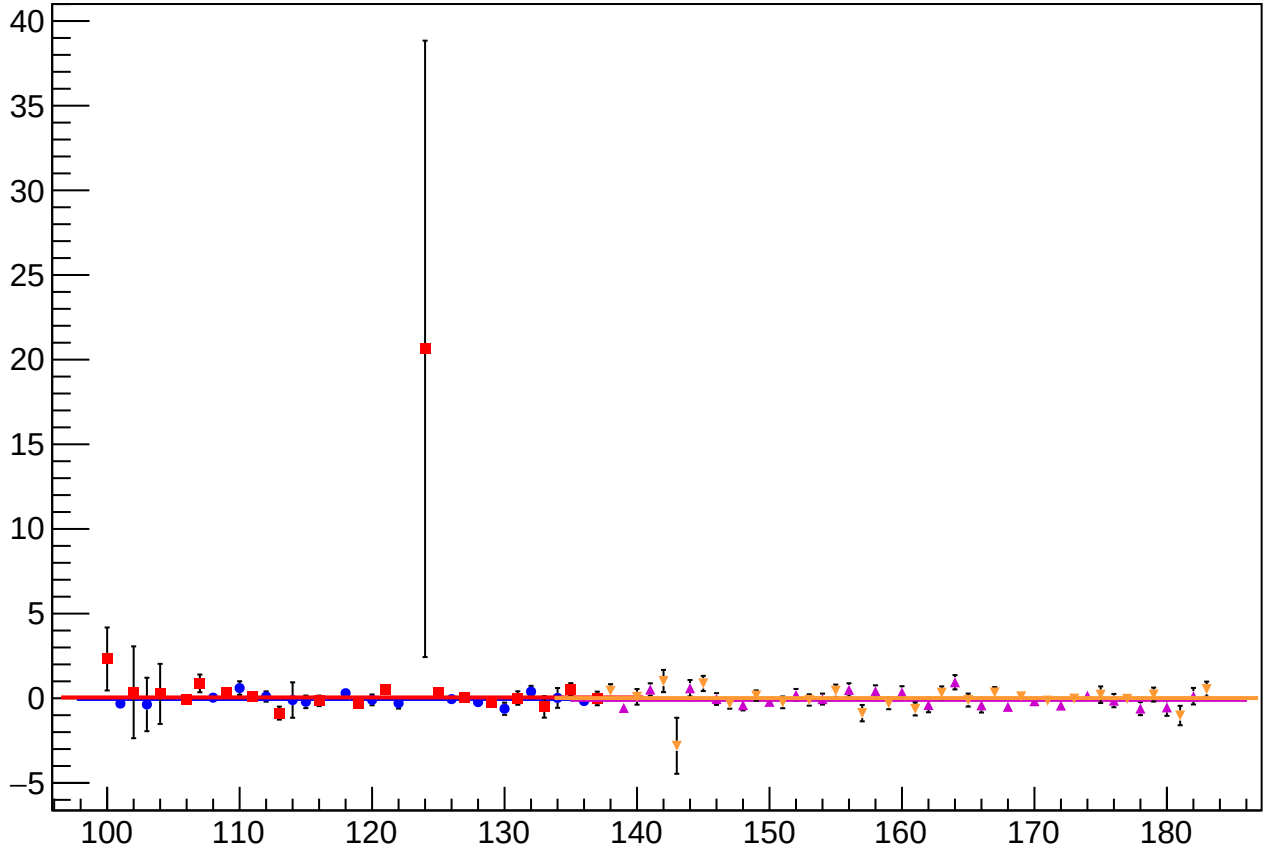
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:11125118.9/37

Out: 0.008+/-0.000 χ^2/NDF:10259443.3/42

All: 0.008+/-0.000 χ^2/NDF: 21443329.1/80

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: 0.011+/-0.071 χ^2/NDF:28.2/23

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: -0.042+/-0.050 χ^2/NDF: 59.9/45

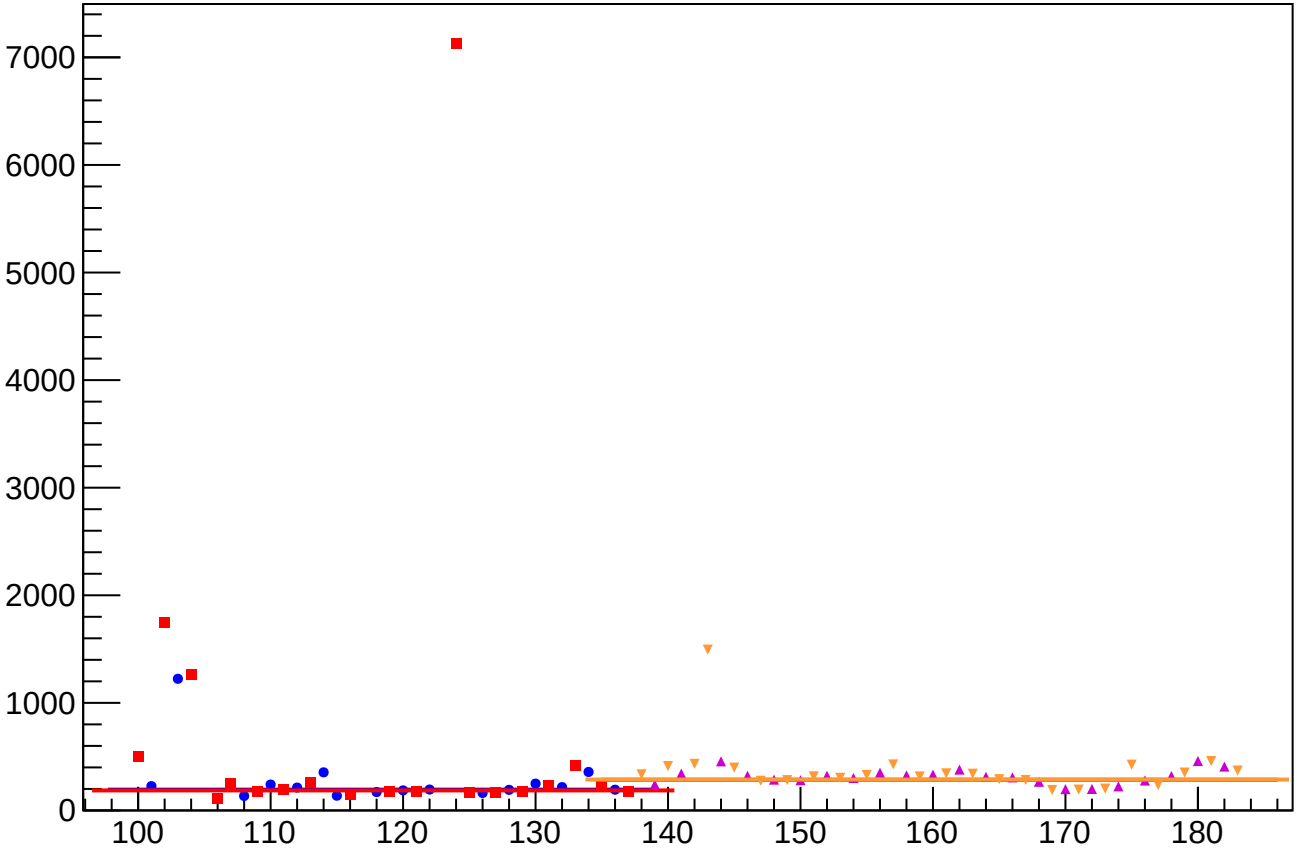
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.071+/-0.052 χ^2/NDF:42.6/37

Out: 0.028+/-0.053 χ^2/NDF:51.3/42

All: -0.022+/-0.037 χ^2/NDF: 95.7/80

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: 287.341+/-0.050 χ^2/NDF:3333871.6/23

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: 286.266+/-0.035 χ^2/NDF: 5064666.8/45

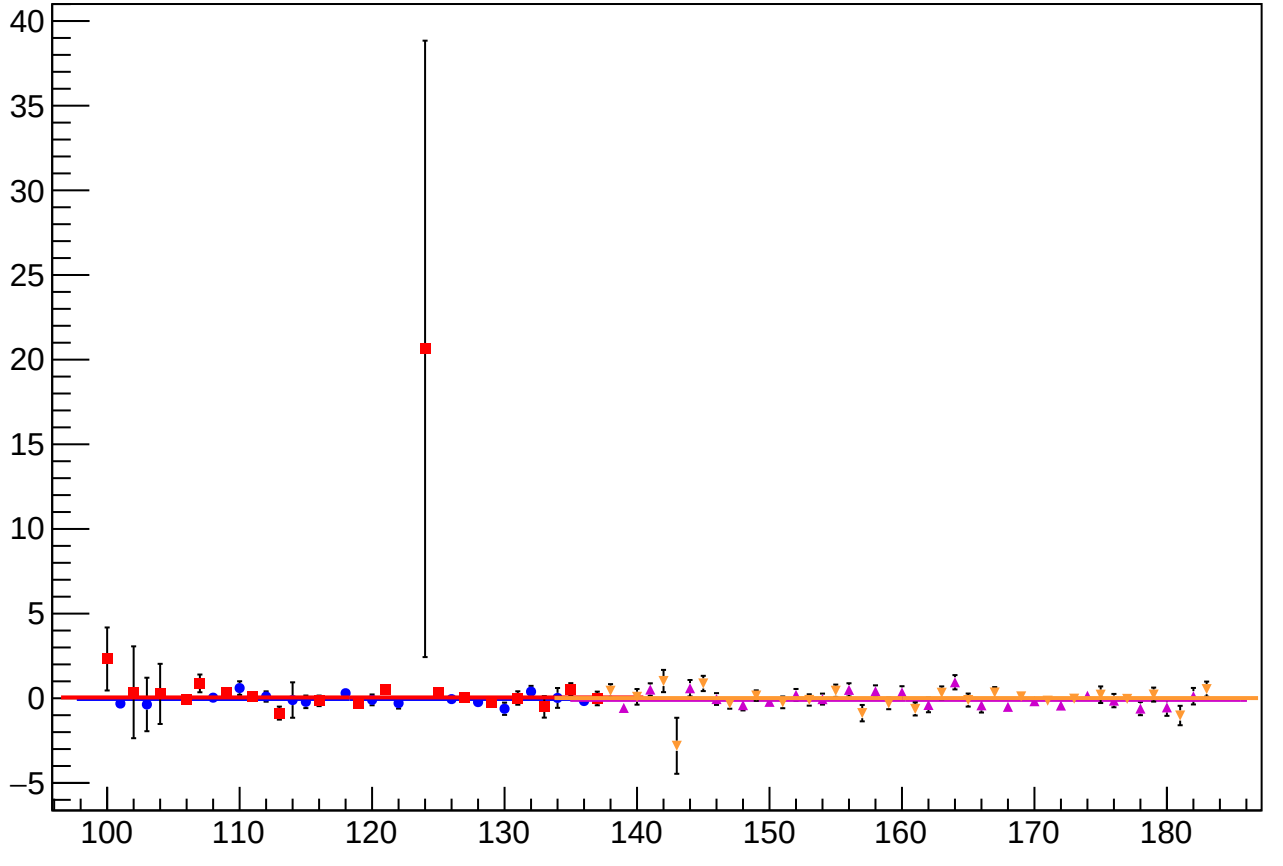
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 243.475+/-0.037 χ^2/NDF:4666018.5/37

Out: 242.200+/-0.037 χ^2/NDF:7628818.9/42

All: 242.841+/-0.026 χ^2/NDF: 12295426.2/80

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: 0.011+/-0.071 χ^2/NDF:28.2/23

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: -0.042+/-0.050 χ^2/NDF: 59.9/45

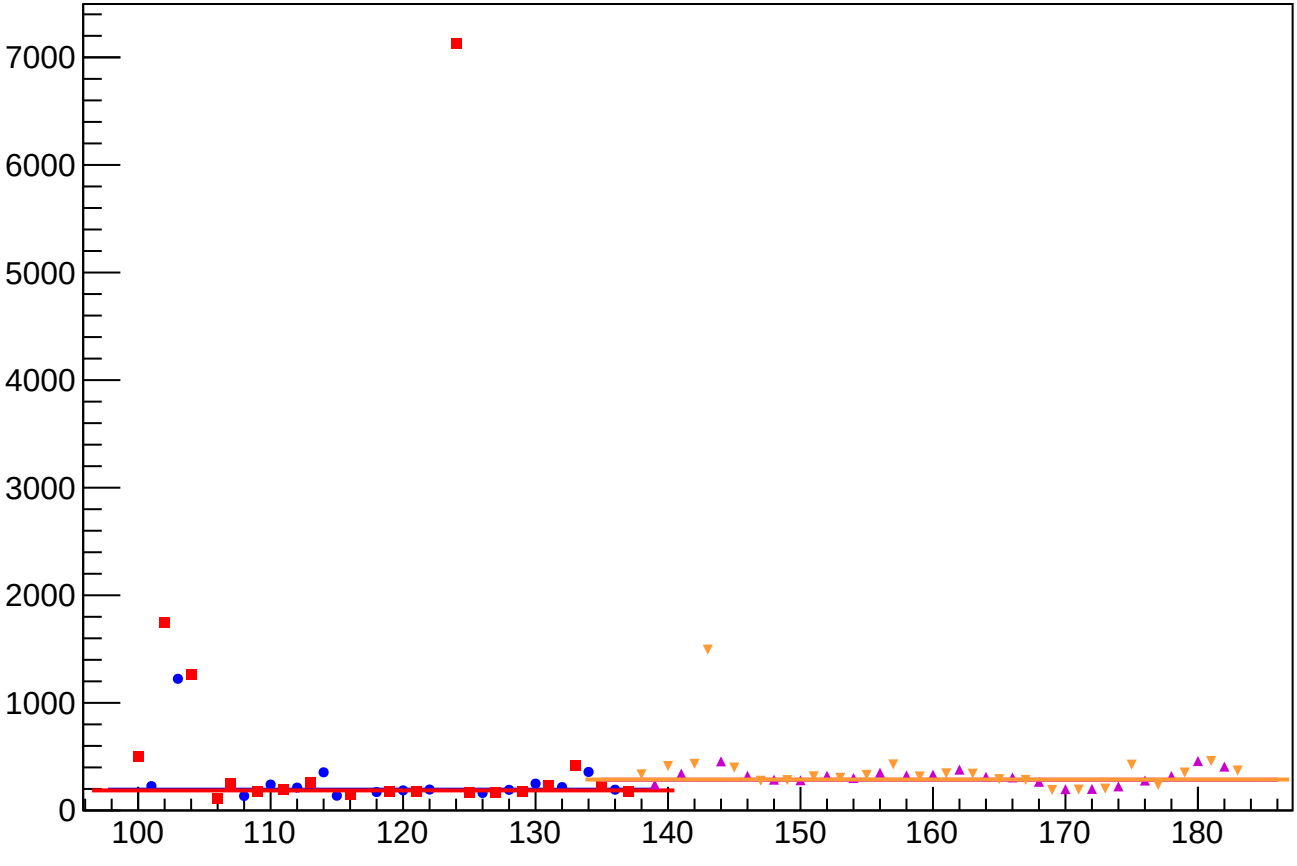
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.071+/-0.052 χ^2/NDF:42.6/37

Out: 0.028+/-0.053 χ^2/NDF:51.3/42

All: -0.022+/-0.037 χ^2/NDF: 95.7/80

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: 287.341+/-0.050 χ^2/NDF:3333871.6/23

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 285.190+/-0.050 χ^2/NDF:1729873.9/21

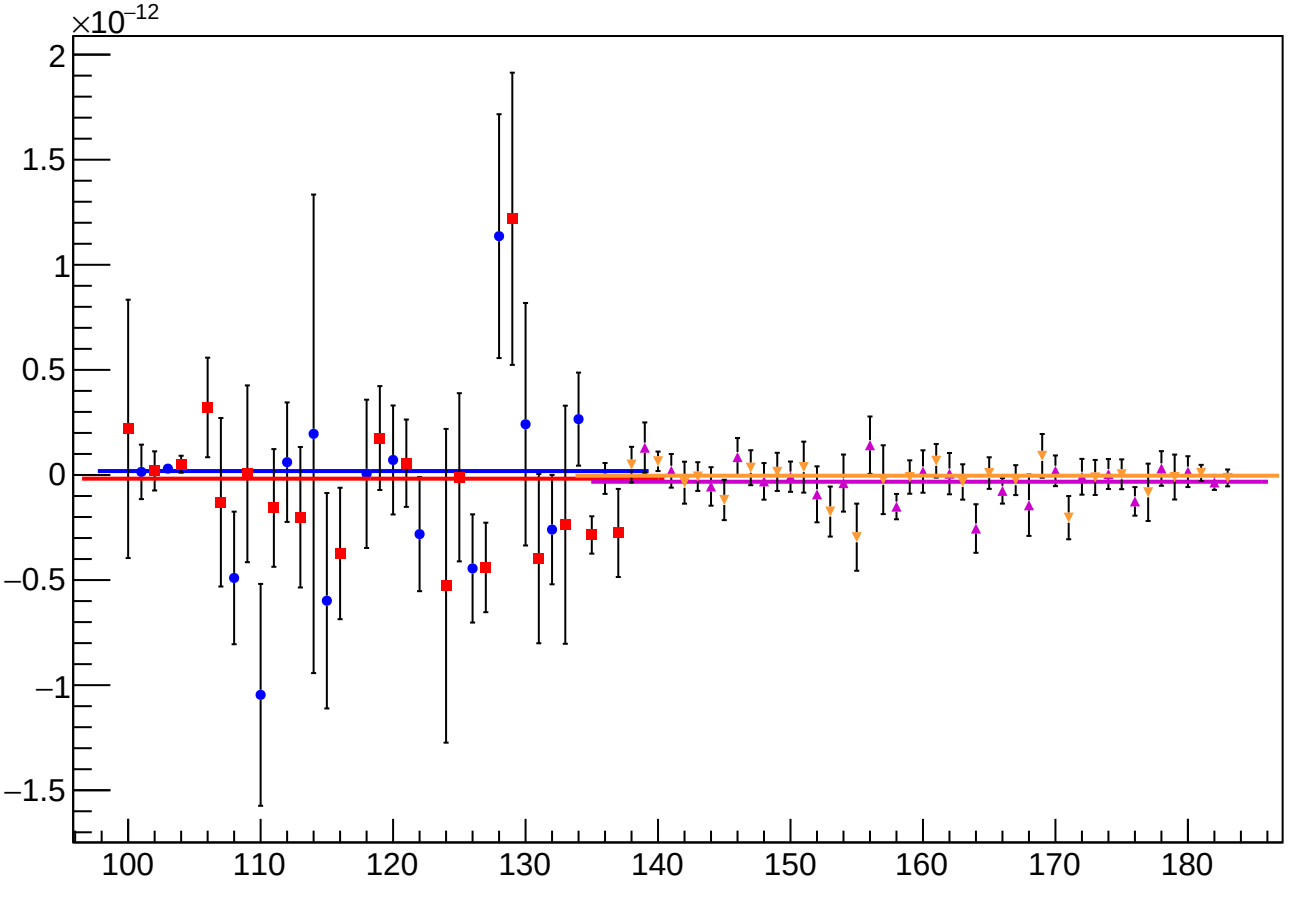
Left: 286.266+/-0.035 χ^2/NDF: 5064666.8/45

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 243.475+/-0.037 χ^2/NDF:4666018.5/37

Out: 242.200+/-0.037 χ^2/NDF:7628818.9/42

All: 242.841+/-0.026 χ^2/NDF: 12295426.2/80



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

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

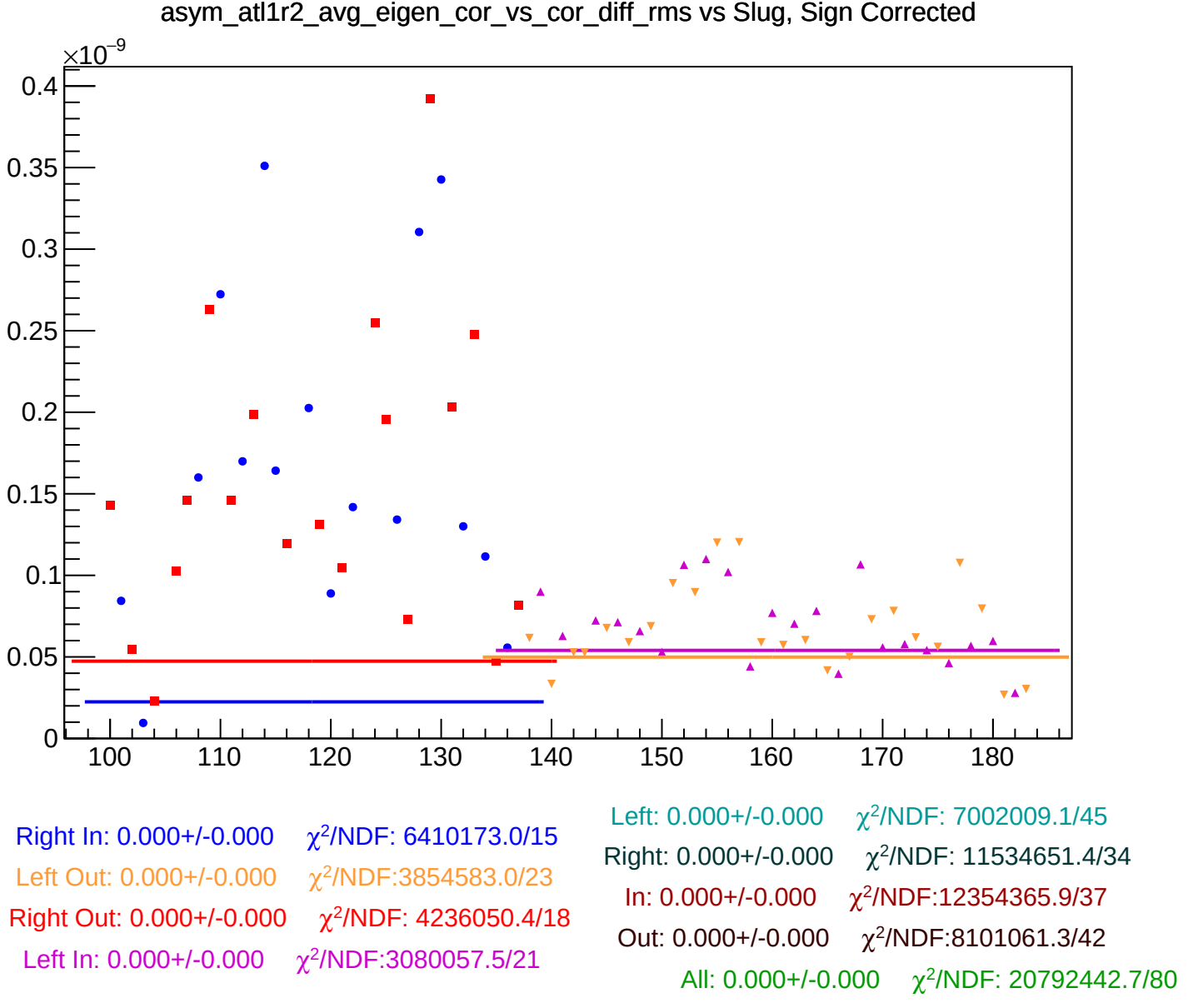
Left: -0.000+/-0.000 χ^2/NDF: 36.5/45

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

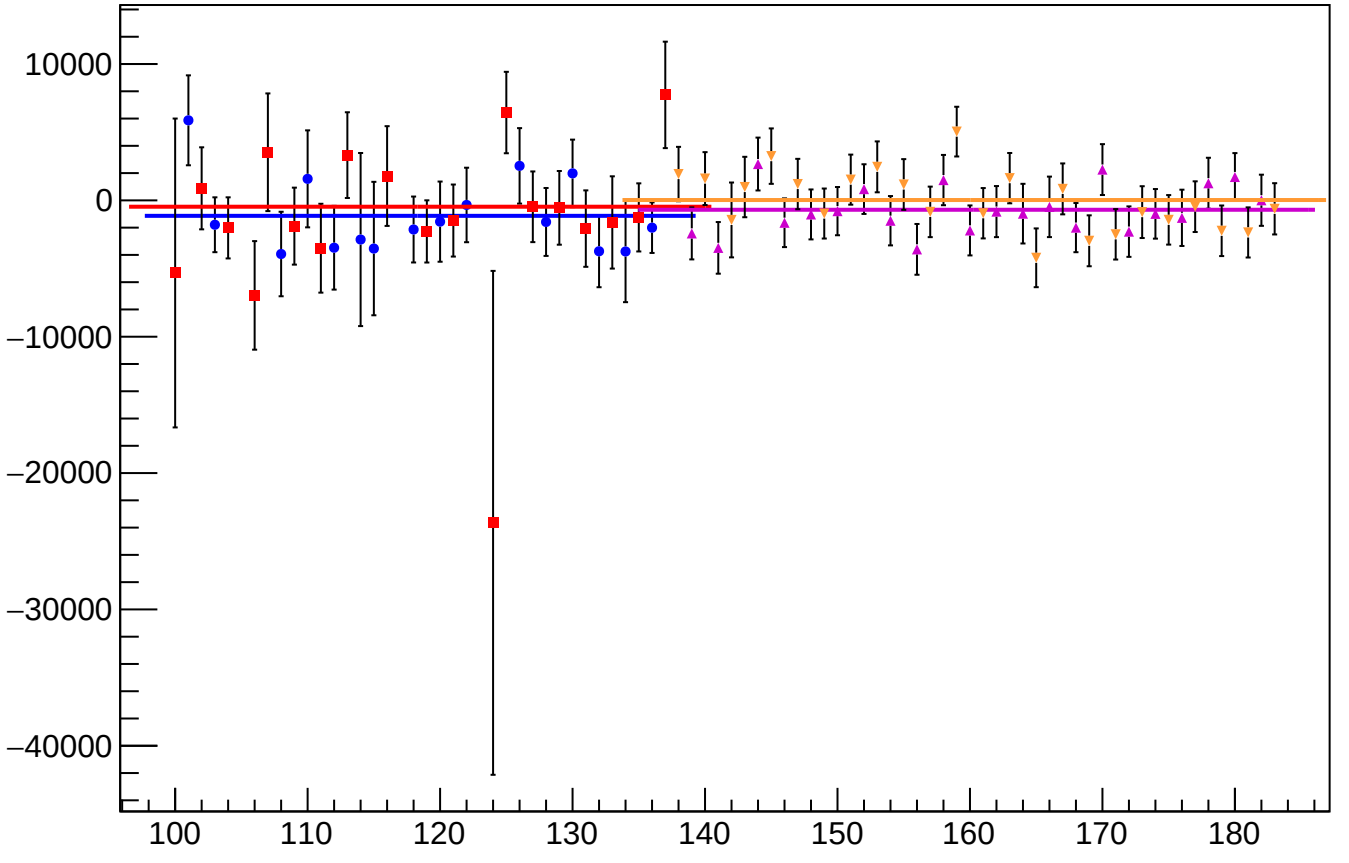
In: -0.000+/-0.000 χ^2/NDF:41.9/37

Out: -0.000+/-0.000 χ^2/NDF:43.4/42

All: -0.000+/-0.000 χ^2/NDF: 85.4/80


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:3854583.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:3080057.5/21
Left: 0.000+/-0.000 χ²/NDF: 7002009.1/45
Right: 0.000+/-0.000 χ²/NDF: 11534651.4/34
In: 0.000+/-0.000 χ²/NDF:12354365.9/37
Out: 0.000+/-0.000 χ²/NDF:8101061.3/42
All: 0.000+/-0.000 χ²/NDF: 20792442.7/80

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 24.919+/-390.499 χ^2/NDF:29.5/23

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: -323.848+/-279.360 χ^2/NDF: 49.8/45

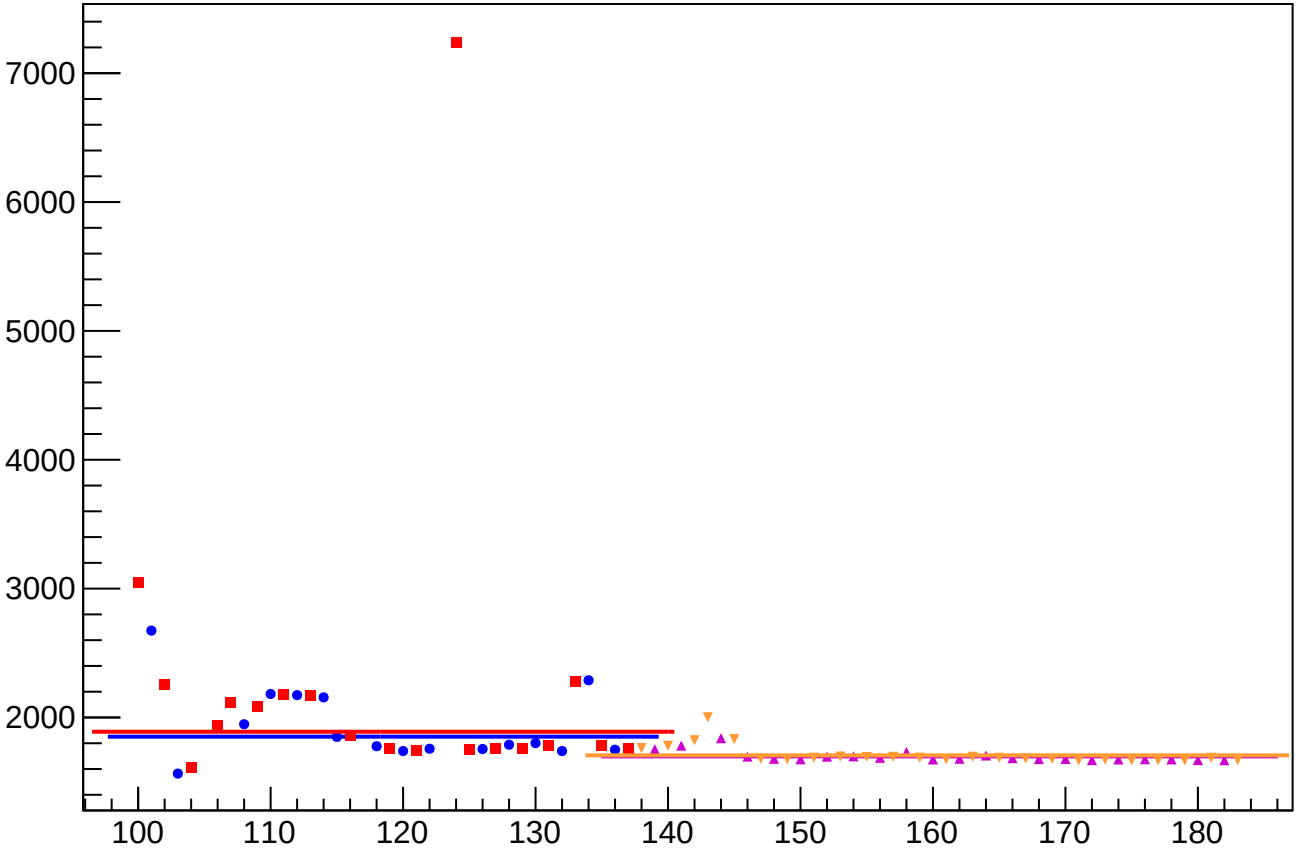
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -800.443+/-346.411 χ^2/NDF:31.3/37

Out: -89.992+/-341.702 χ^2/NDF:49.8/42

All: -440.357+/-243.268 χ^2/NDF: 83.3/80

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1706.258+/-0.276 χ^2/NDF:59567.5/23

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1697.978+/-0.283 χ^2/NDF:20986.2/21

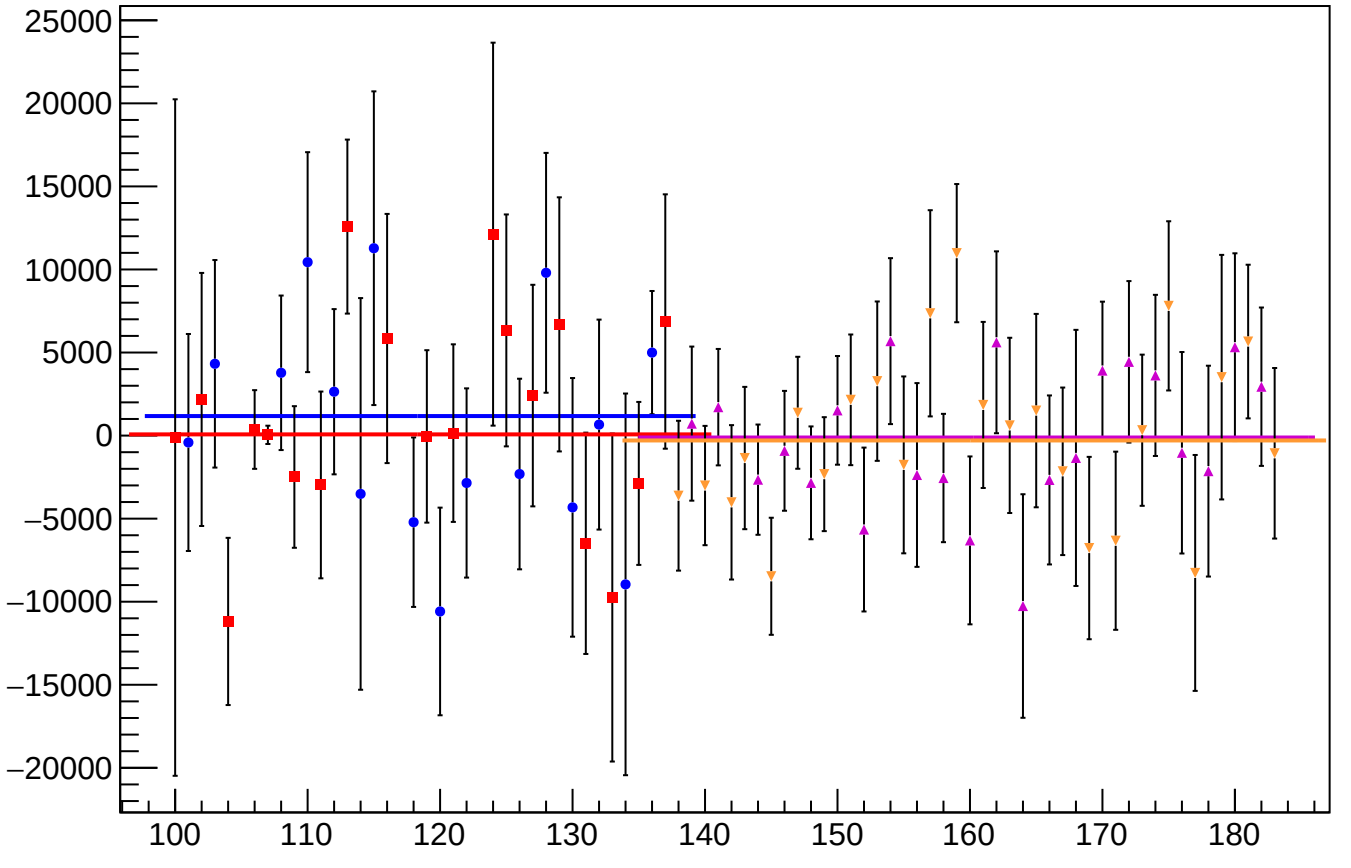
Left: 1702.216+/-0.198 χ^2/NDF: 80992.7/45

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1736.160+/-0.245 χ^2/NDF:354130.6/37

Out: 1749.351+/-0.241 χ^2/NDF:522053.7/42

All: 1742.850+/-0.172 χ^2/NDF: 877654.9/80



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -293.124+/-940.377 χ^2/NDF:26.5/23

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -115.555+/-963.596 χ^2/NDF:14.0/21

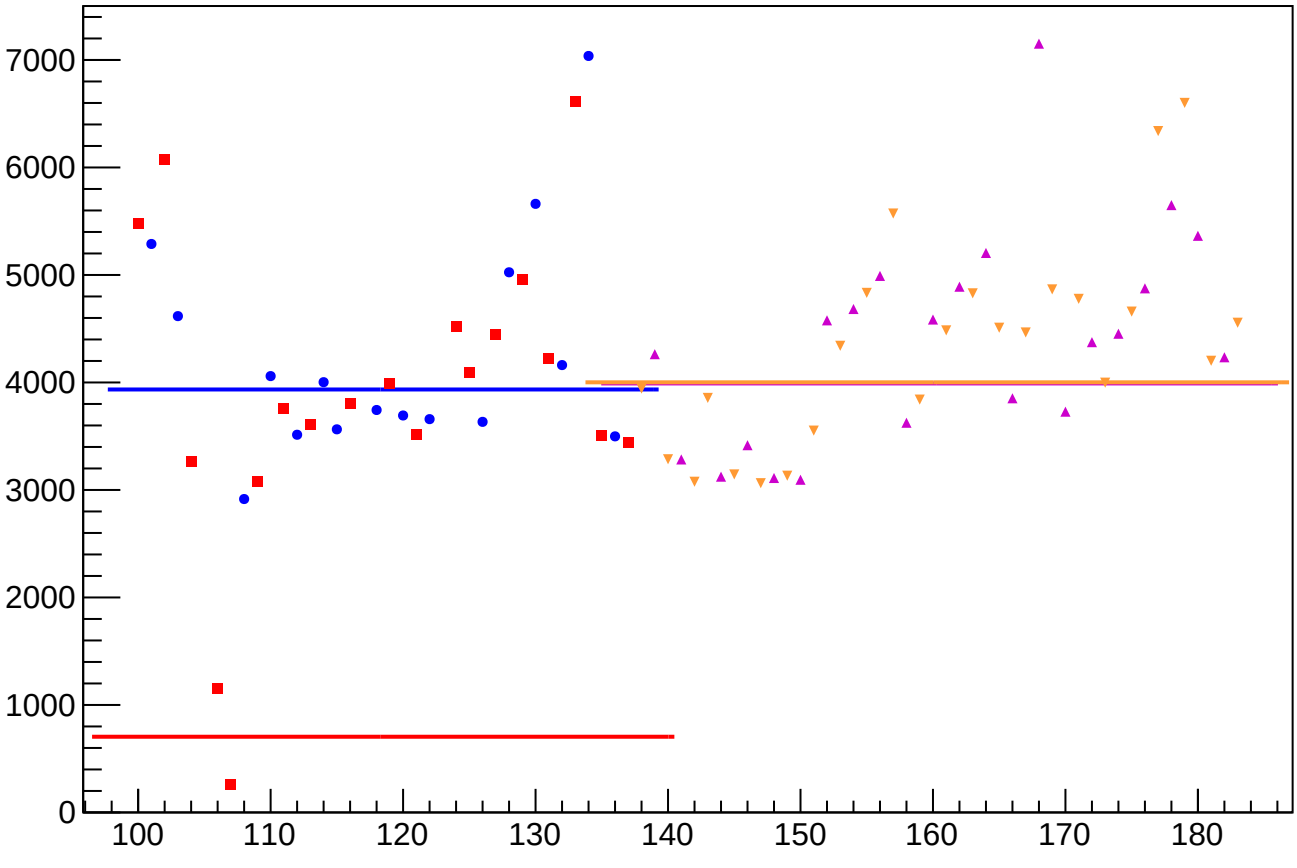
Left: -206.504+/-673.006 χ^2/NDF: 40.6/45

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 260.815+/-811.061 χ^2/NDF:28.3/37

Out: -9.374+/-445.379 χ^2/NDF:44.6/42

All: 53.224+/-390.392 χ^2/NDF: 73.0/80



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 4001.314+/-0.665 χ^2/NDF:1497097.9/23

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3990.866+/-0.681 χ^2/NDF:1535676.0/21

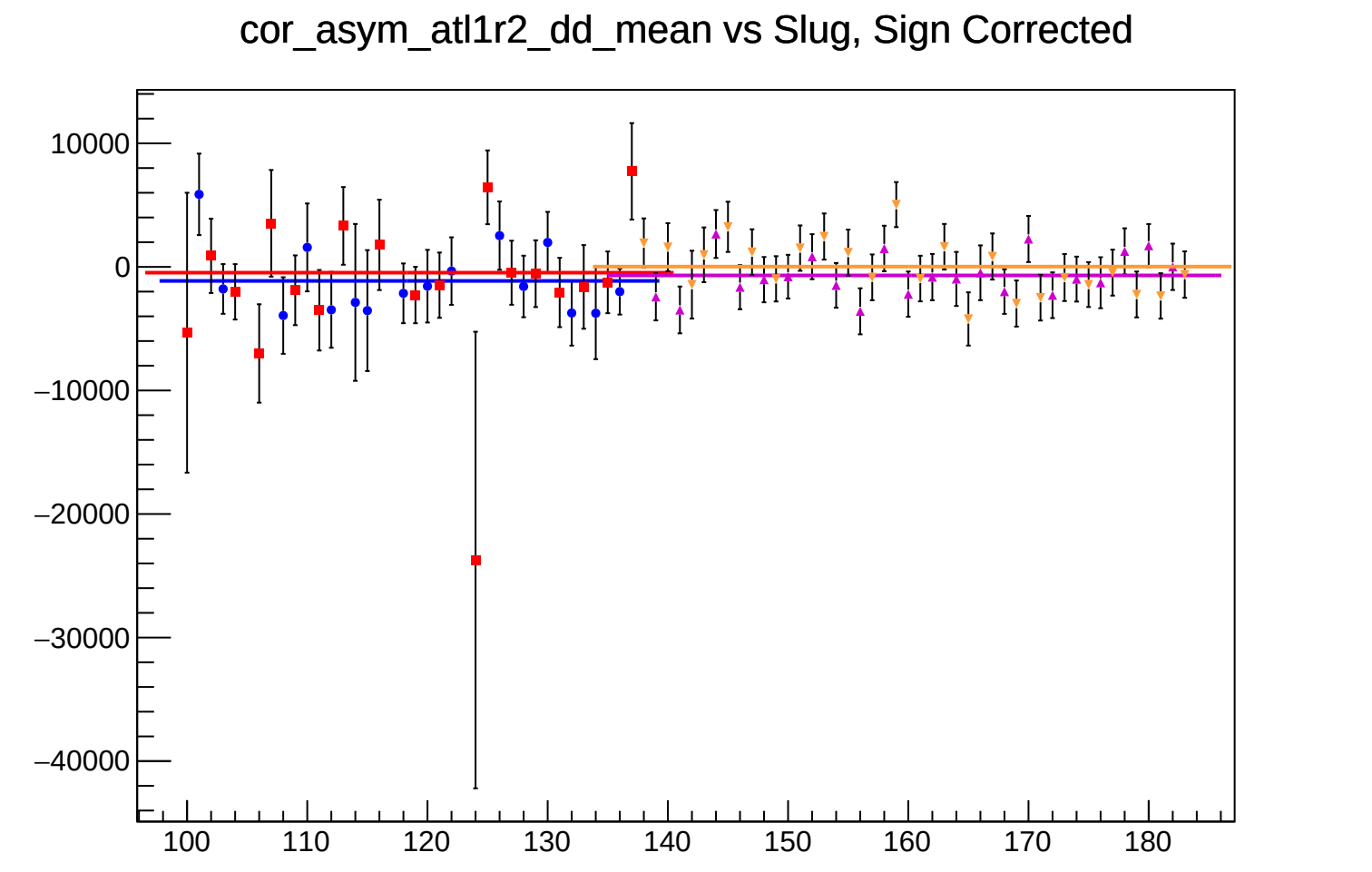
Left: 3996.217+/-0.476 χ^2/NDF: 3032894.4/45

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3974.497+/-0.574 χ^2/NDF:2097781.3/37

Out: 1443.933+/-0.315 χ^2/NDF:31184895.3/42

All: 2030.220+/-0.276 χ^2/NDF: 48241519.8/8



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 24.981+/-390.499 χ^2/NDF:29.5/23

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: -323.766+/-279.360 χ^2/NDF: 49.8/45

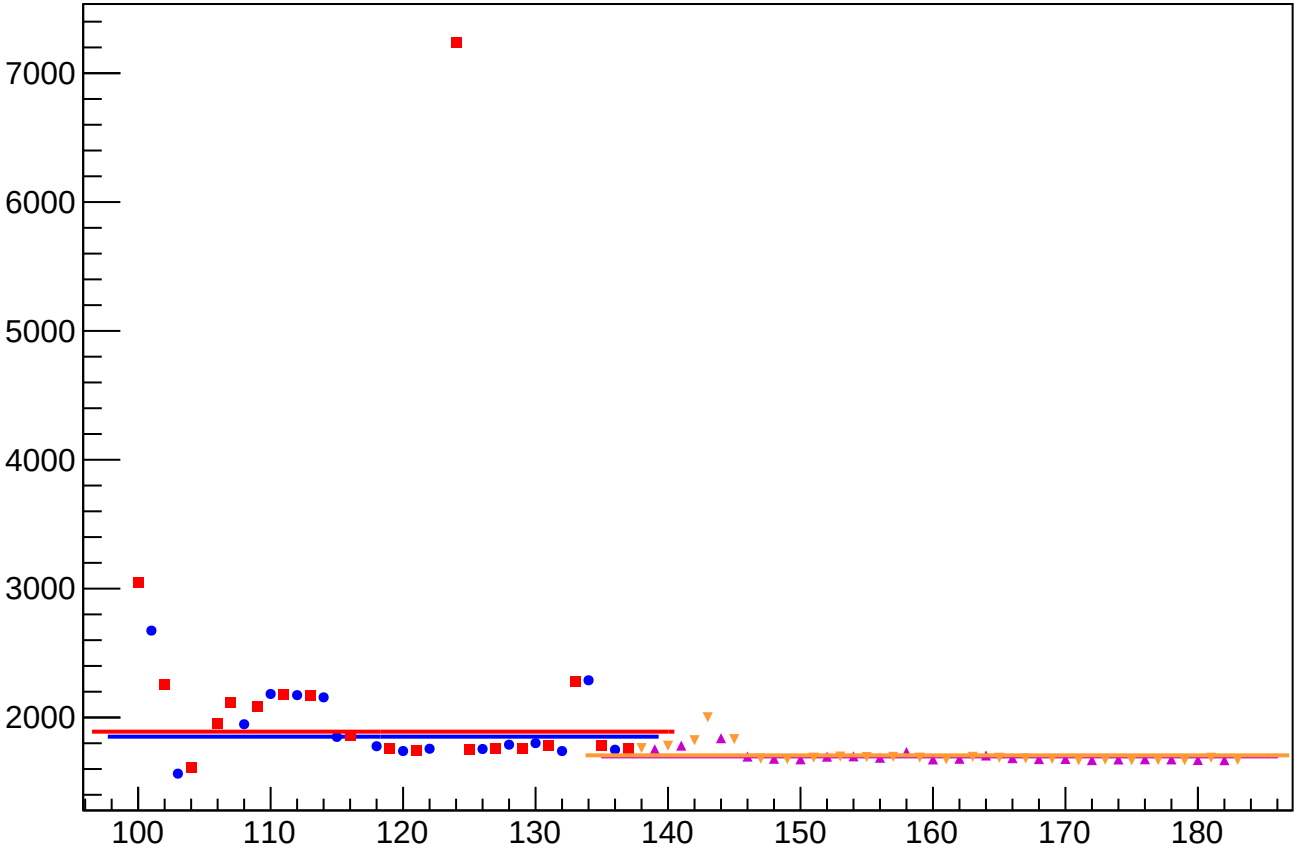
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -800.259+/-346.411 χ^2/NDF:31.3/37

Out: -90.033+/-341.703 χ^2/NDF:49.9/42

All: -440.287+/-243.268 χ^2/NDF: 83.3/80

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1706.258+/-0.276 χ^2/NDF:59567.5/23

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1697.978+/-0.283 χ^2/NDF:20986.2/21

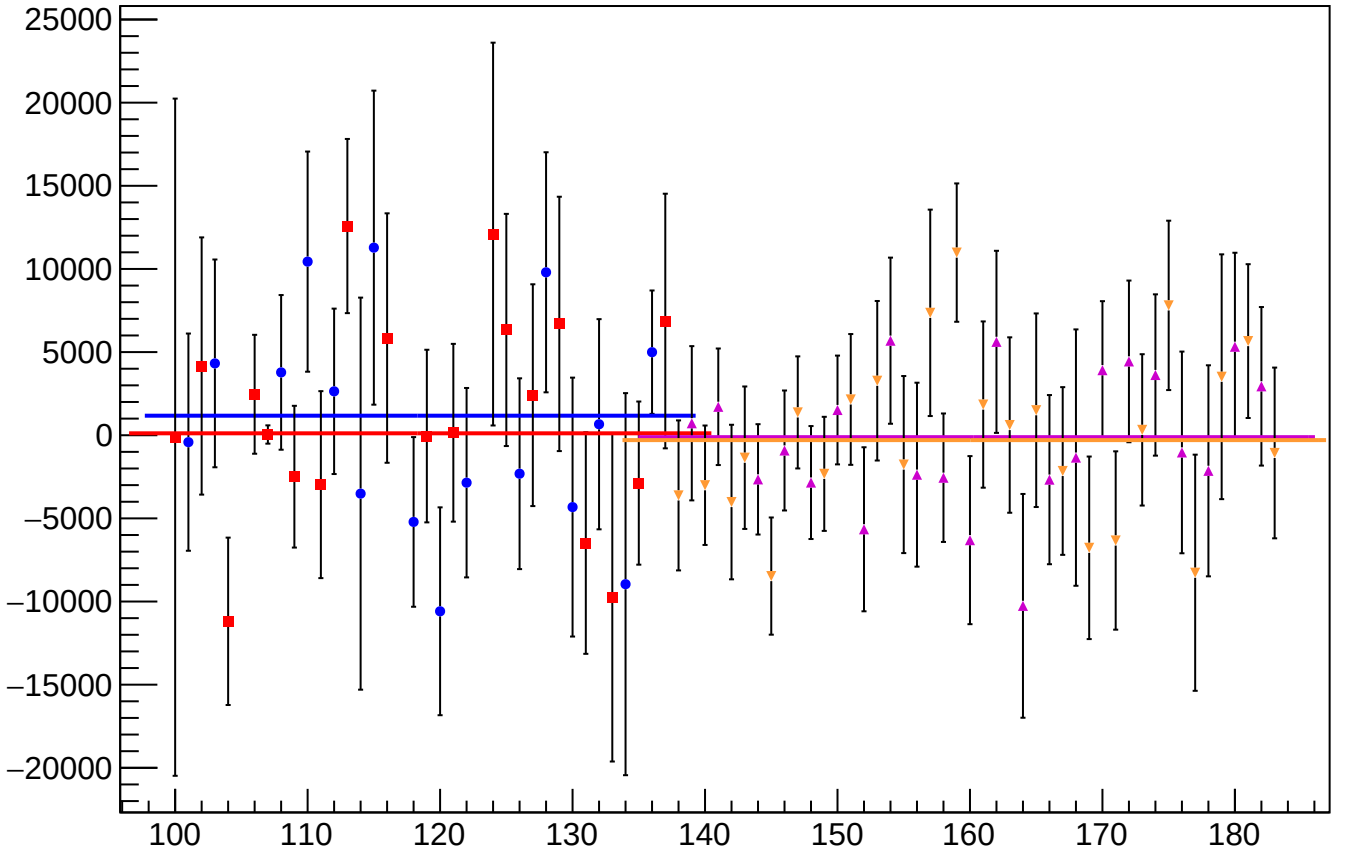
Left: 1702.216+/-0.198 χ^2/NDF: 80992.7/45

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1736.161+/-0.245 χ^2/NDF:354130.1/37

Out: 1749.444+/-0.242 χ^2/NDF:522756.0/42

All: 1742.896+/-0.172 χ^2/NDF: 878377.4/80



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -293.106+/-940.375 χ^2/NDF:26.5/23

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -115.503+/-963.596 χ^2/NDF:14.0/21

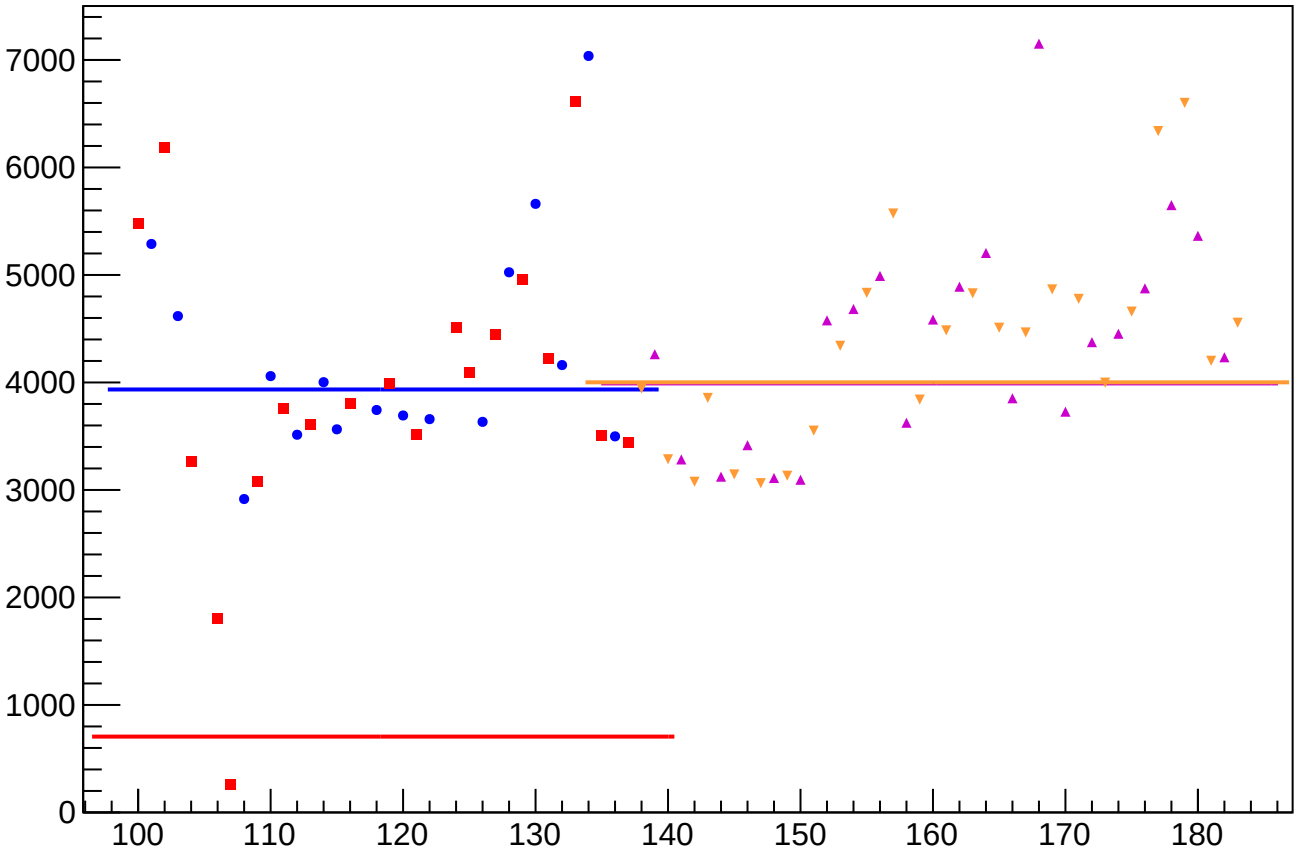
Left: -206.470+/-673.005 χ^2/NDF: 40.6/45

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 260.843+/-811.062 χ^2/NDF:28.3/37

Out: 22.309+/-449.866 χ^2/NDF:45.2/42

All: 78.429+/-393.402 χ^2/NDF: 73.6/80



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 4001.306+/-0.665 χ^2/NDF:1497117.4/23

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3990.865+/-0.681 χ^2/NDF:1535659.8/21

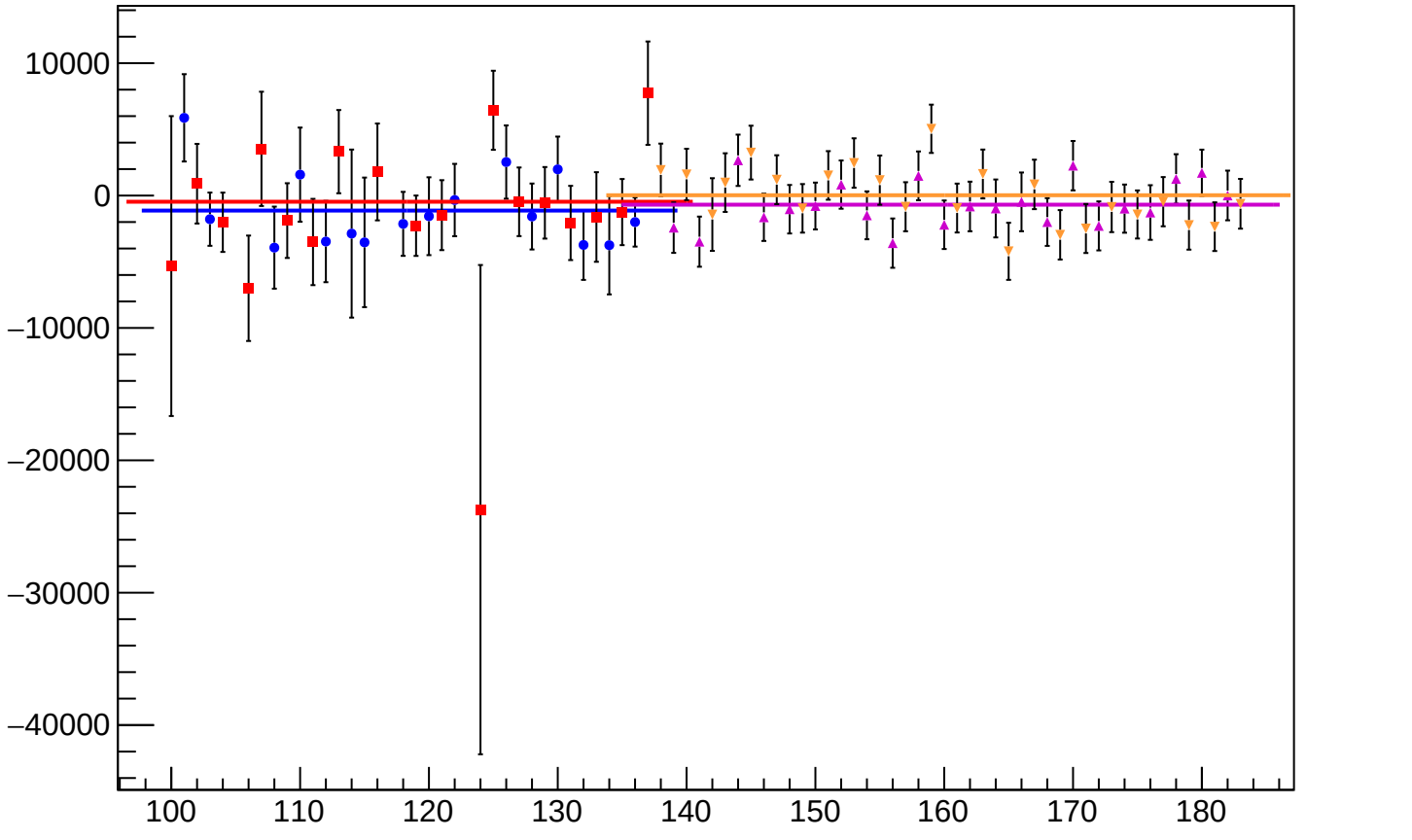
Left: 3996.213+/-0.476 χ^2/NDF: 3032897.5/45

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3974.499+/-0.574 χ^2/NDF:2097788.7/37

Out: 1459.859+/-0.318 χ^2/NDF:31187579.8/42

All: 2051.477+/-0.278 χ^2/NDF: 47987552.5/8



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 24.981+/-390.499 χ^2/NDF:29.5/23

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -689.355+/-399.816 χ^2/NDF:18.7/21

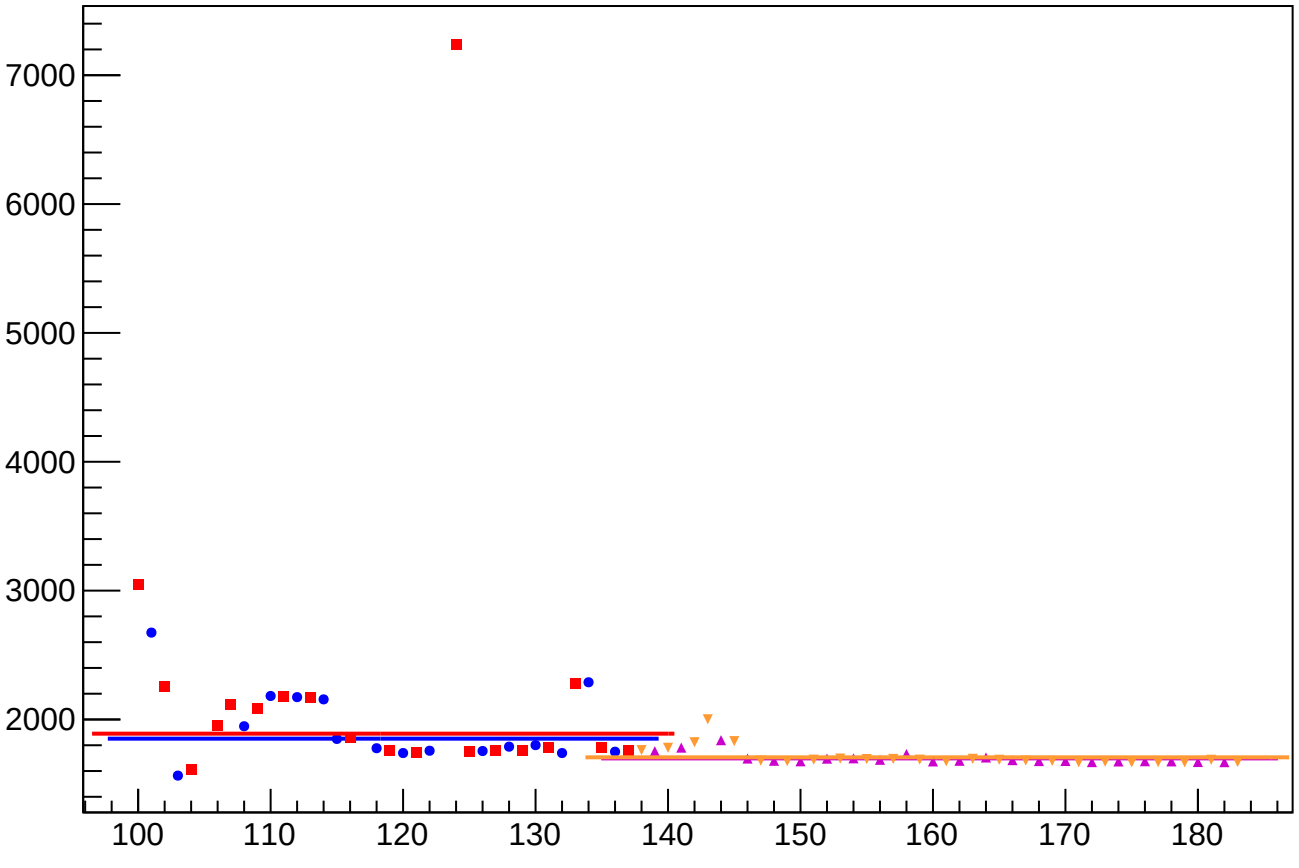
Left: -323.766+/-279.360 χ^2/NDF: 49.8/45

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -800.259+/-346.411 χ^2/NDF:31.3/37

Out: -90.033+/-341.703 χ^2/NDF:49.9/42

All: -440.287+/-243.268 χ^2/NDF: 83.3/80



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1706.258+/-0.276 χ^2/NDF:59567.5/23

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: 1702.216+/-0.198 χ^2/NDF: 80992.7/45

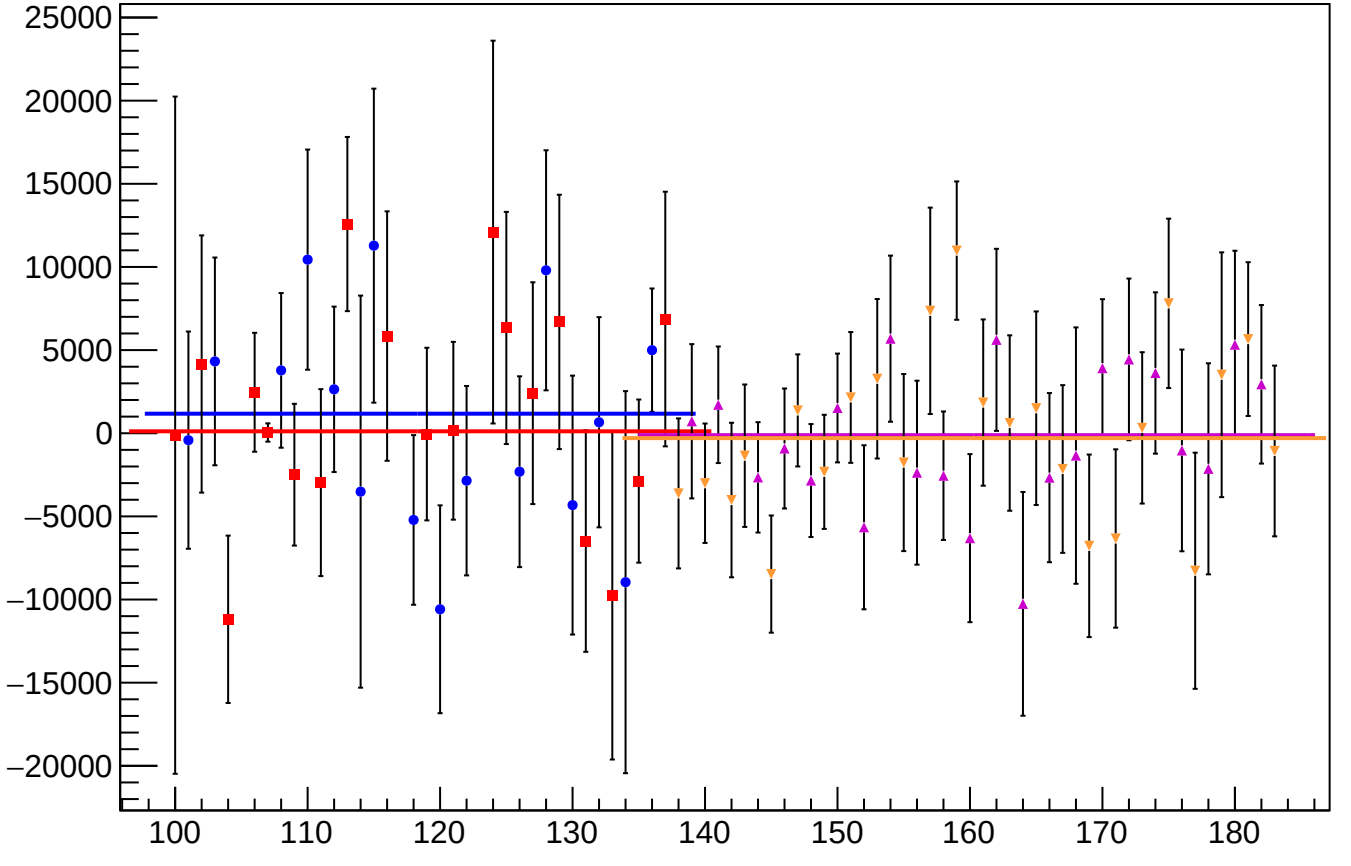
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1736.161+/-0.245 χ^2/NDF:354130.1/37

Out: 1749.444+/-0.242 χ^2/NDF:522756.0/42

All: 1742.896+/-0.172 χ^2/NDF: 878377.4/80

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: -293.106+/-940.375 χ^2/NDF:26.5/23

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -115.503+/-963.596 χ^2/NDF:14.0/21

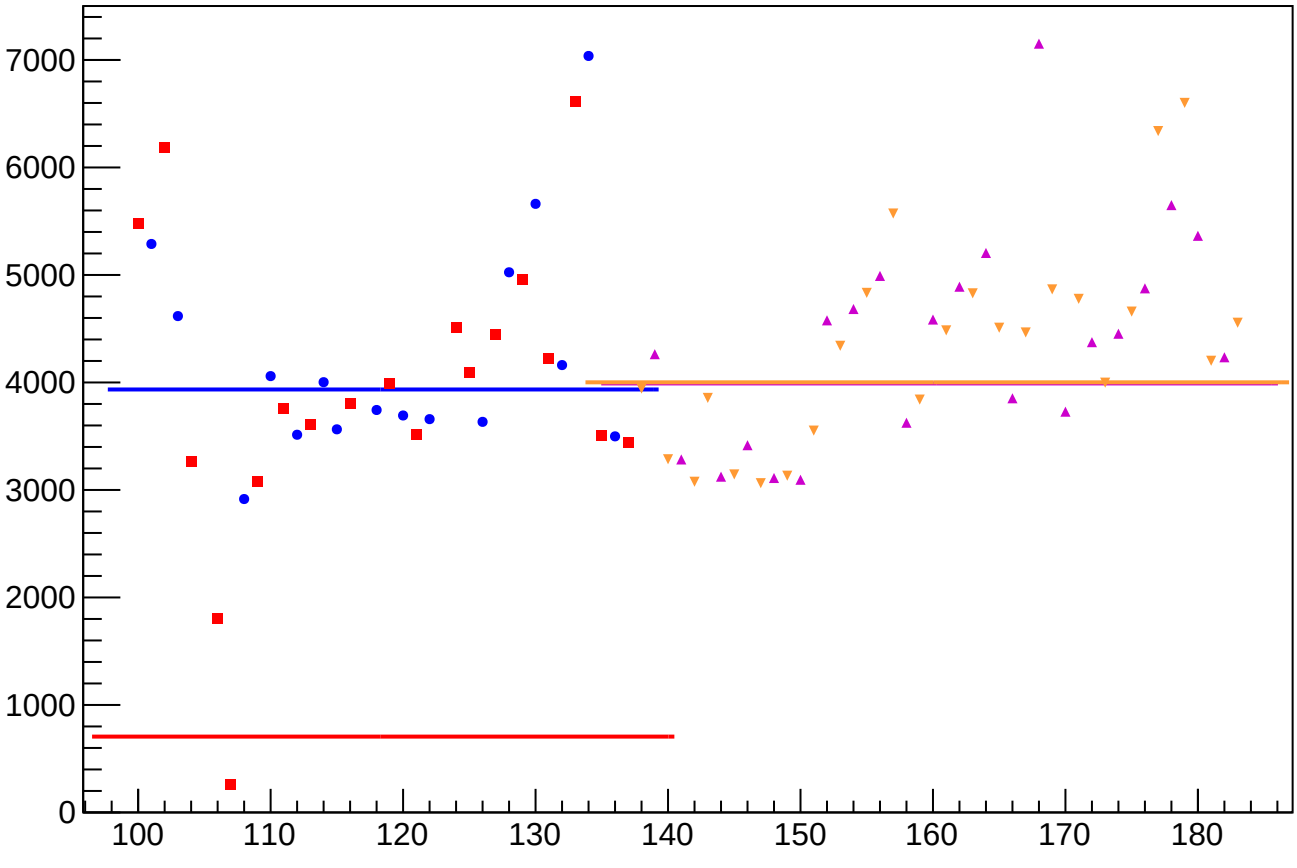
Left: -206.470+/-673.005 χ^2/NDF: 40.6/45

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 260.843+/-811.062 χ^2/NDF:28.3/37

Out: 22.309+/-449.866 χ^2/NDF:45.2/42

All: 78.429+/-393.402 χ^2/NDF: 73.6/80



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 4001.306+/-0.665 χ^2/NDF:1497117.4/23

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3990.865+/-0.681 χ^2/NDF:1535659.8/21

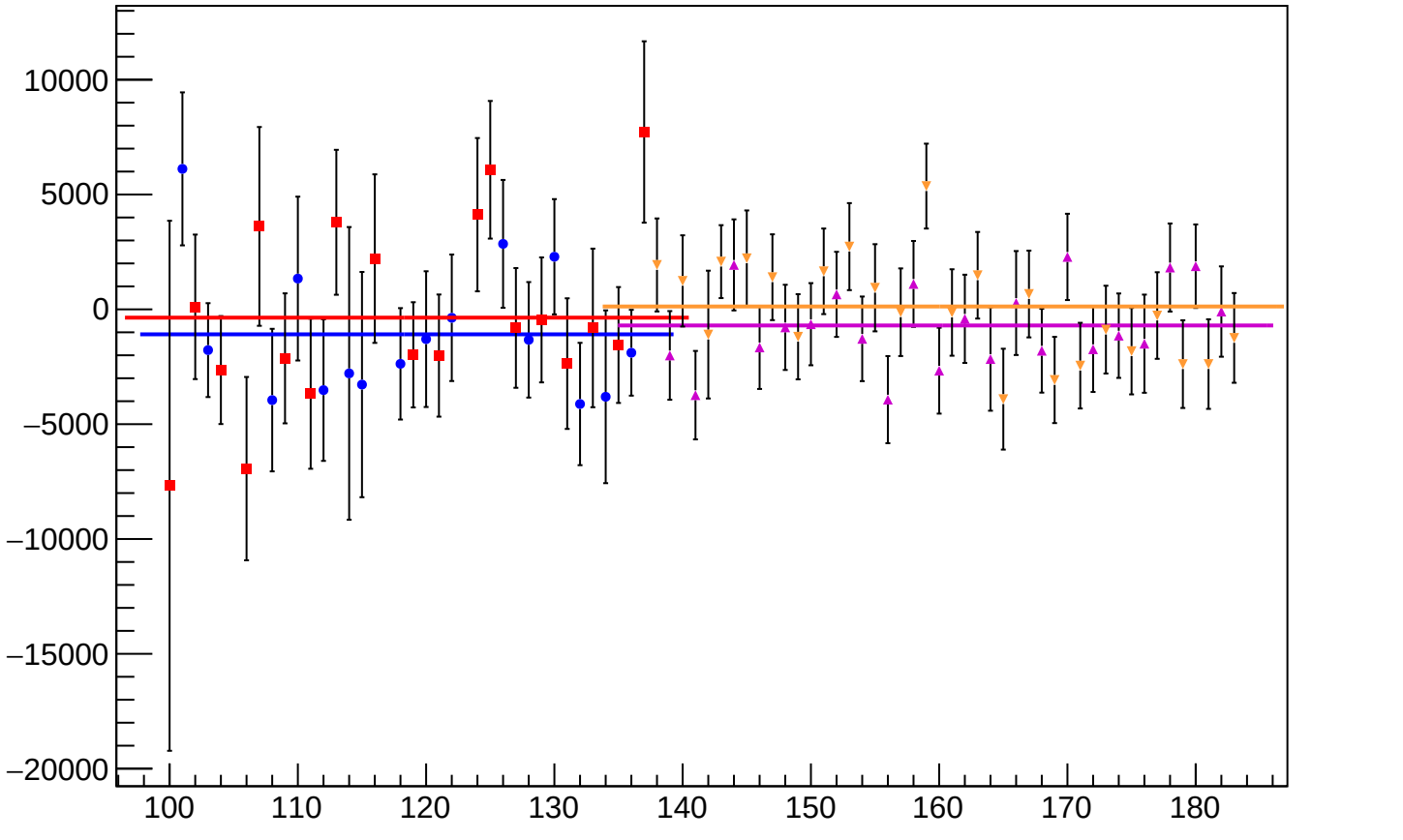
Left: 3996.213+/-0.476 χ^2/NDF: 3032897.5/45

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3974.499+/-0.574 χ^2/NDF:2097788.7/37

Out: 1459.859+/-0.318 χ^2/NDF:31187579.8/42

All: 2051.477+/-0.278 χ^2/NDF: 47987552.5/8



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 124.615+/-392.211 χ^2/NDF:29.7/23

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -701.614+/-407.551 χ^2/NDF:18.4/21

Left: -272.658+/-282.602 χ^2/NDF: 50.3/45

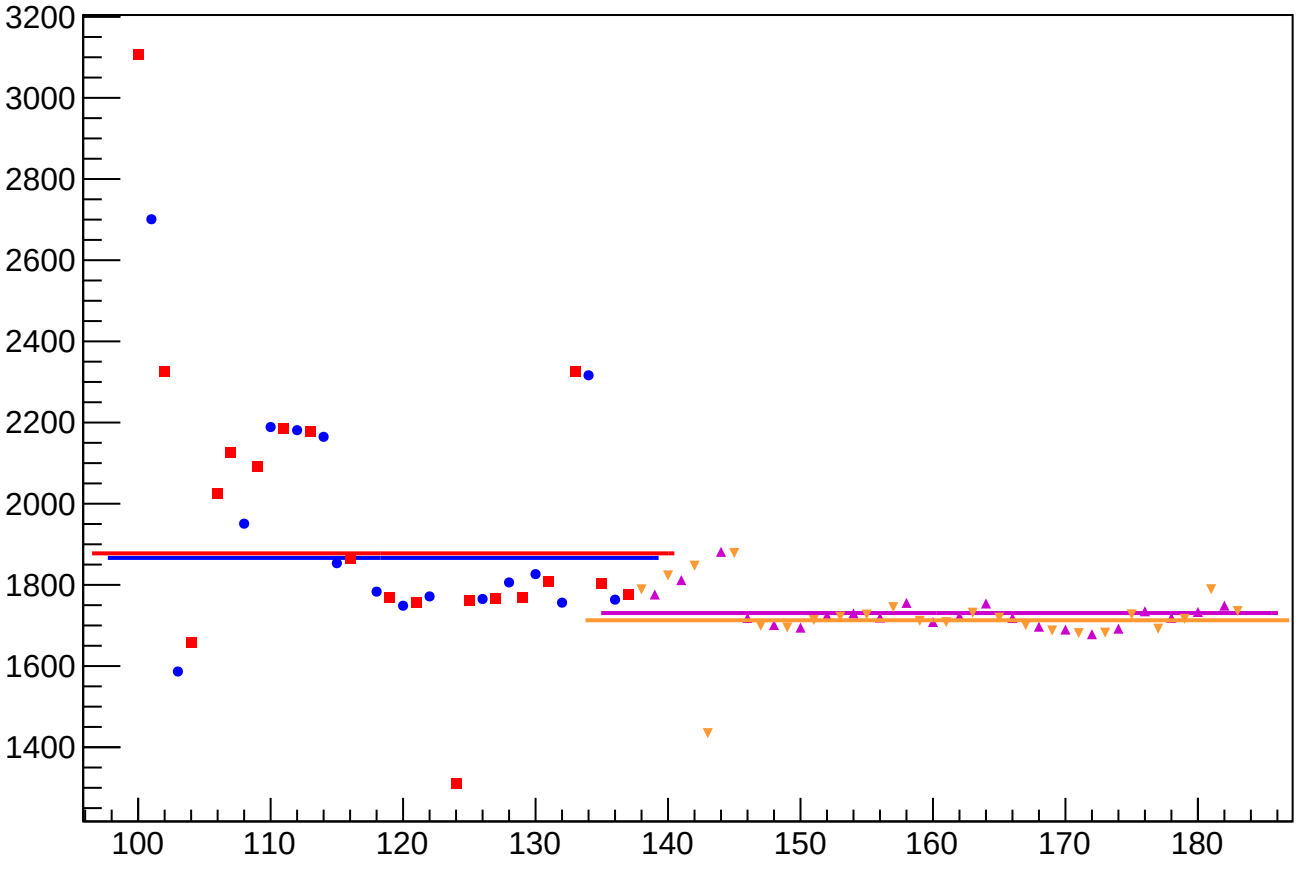
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -799.451+/-352.151 χ^2/NDF:31.8/37

Out: 8.451+/-342.123 χ^2/NDF:50.9/42

All: -383.833+/-245.386 χ^2/NDF: 85.4/80

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1712.806+/-0.277 χ^2/NDF:94169.8/23

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1730.631+/-0.288 χ^2/NDF:23015.0/21

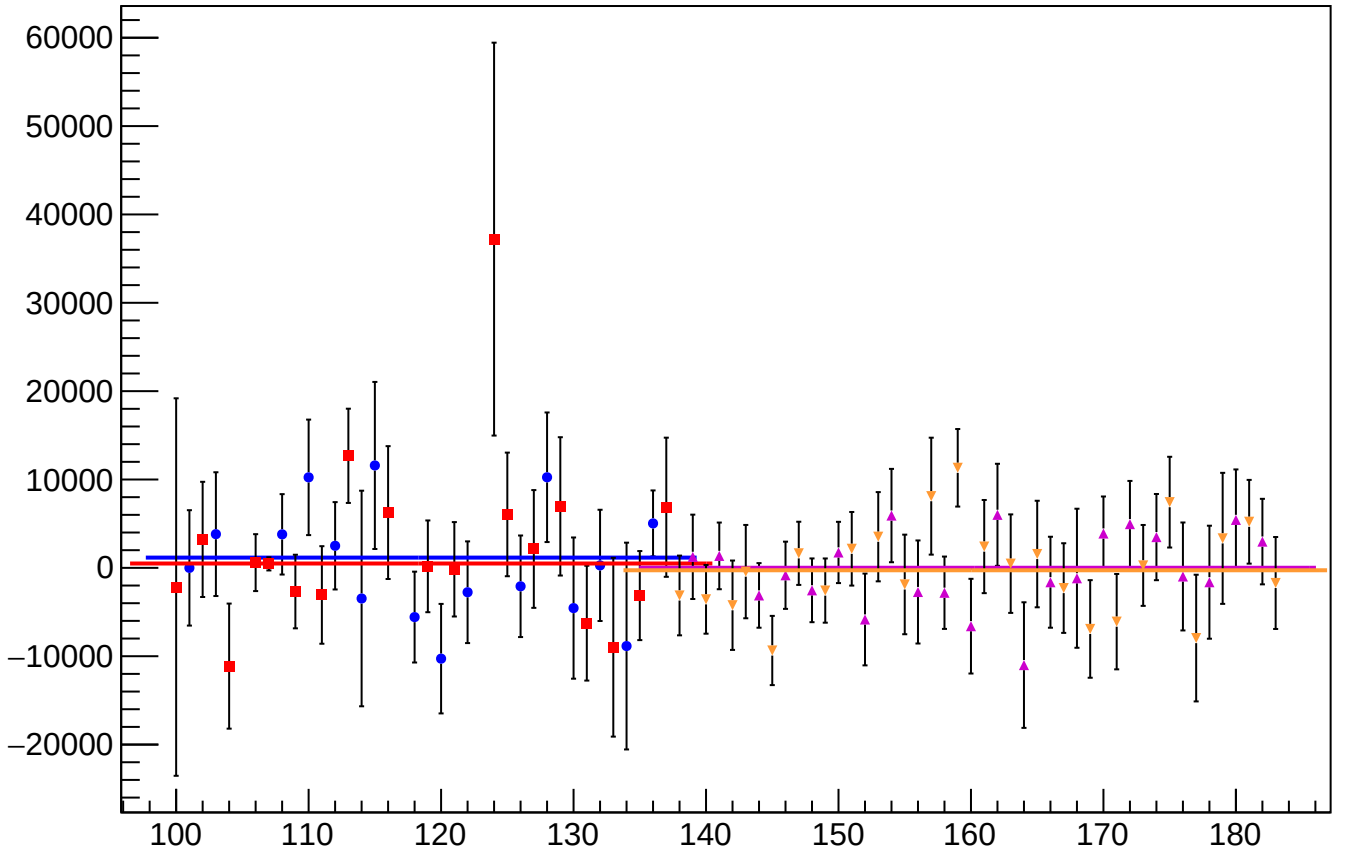
Left: 1721.377+/-0.200 χ^2/NDF: 119171.0/45

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1765.047+/-0.249 χ^2/NDF:335564.8/37

Out: 1752.273+/-0.242 χ^2/NDF:430609.3/42

All: 1758.474+/-0.173 χ^2/NDF: 767528.2/80



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -271.618+/-990.763 χ^2/NDF:25.6/23

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: -132.620+/-706.624 χ^2/NDF: 39.4/45

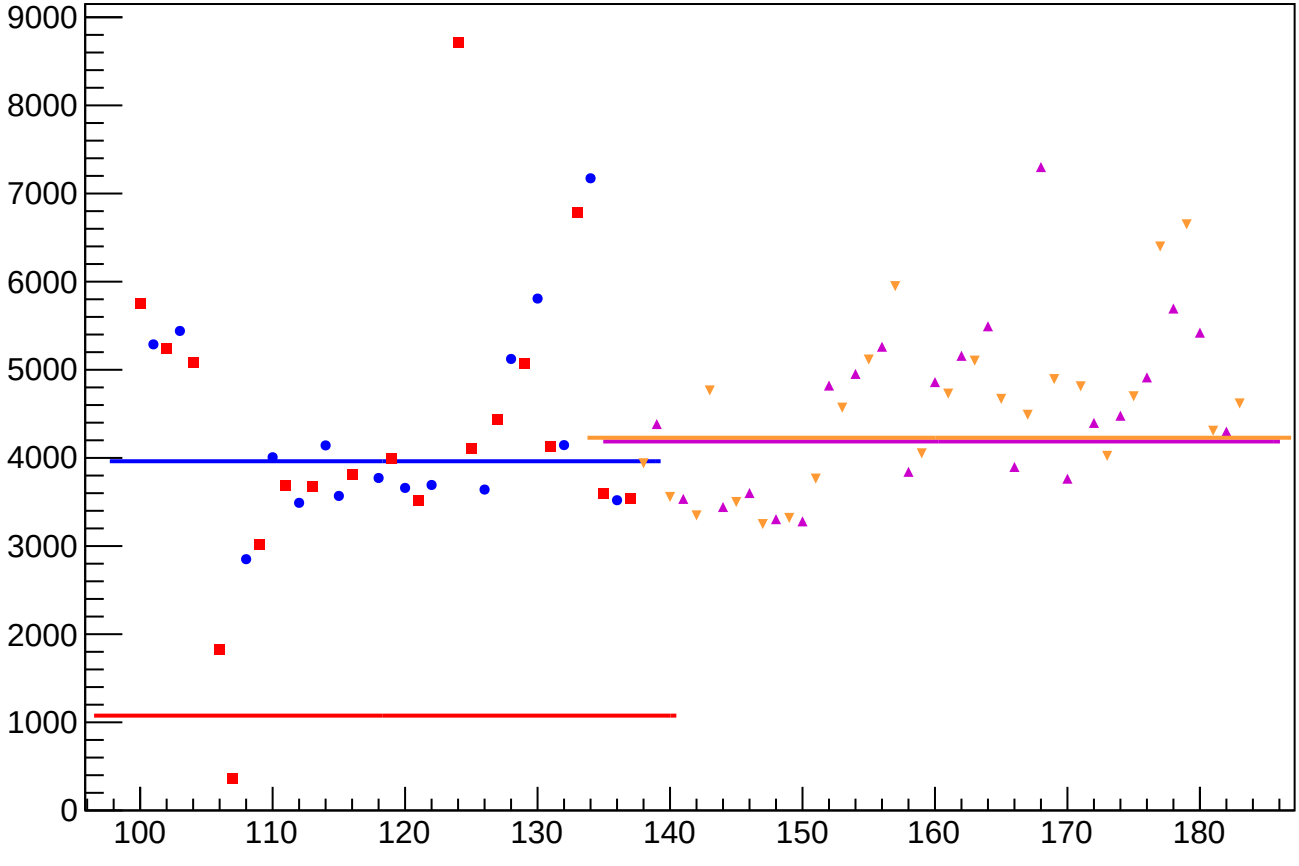
Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 365.055+/-838.801 χ^2/NDF:27.9/37

Out: 258.654+/-548.424 χ^2/NDF:42.9/42

All: 290.517+/-459.020 χ^2/NDF: 70.8/80

asym_atl1r2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4229.072+/-0.701 χ^2/NDF:1280691.1/23

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 4186.526+/-0.713 χ^2/NDF:1343915.2/21

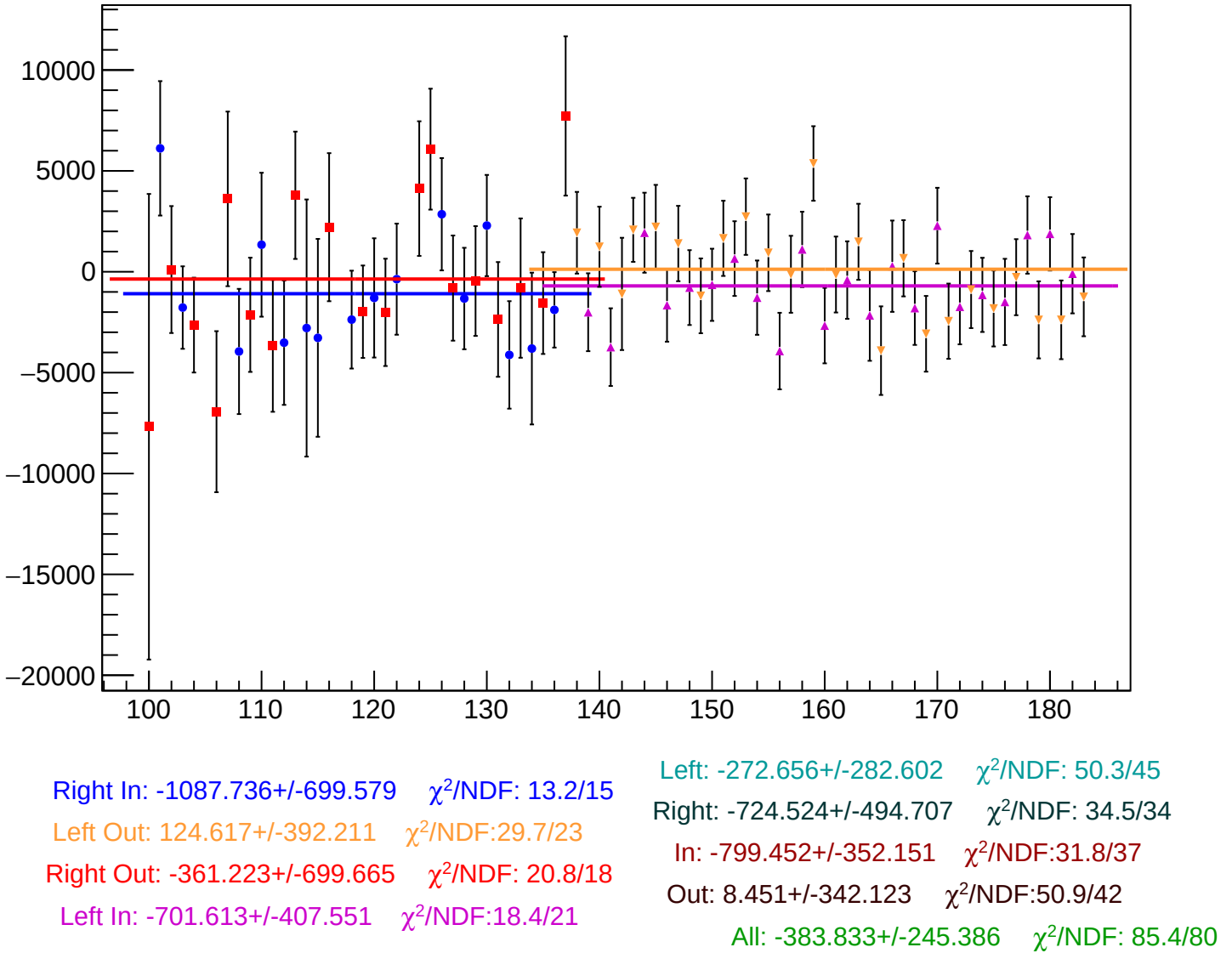
Left: 4208.168+/-0.500 χ^2/NDF: 2626418.3/45

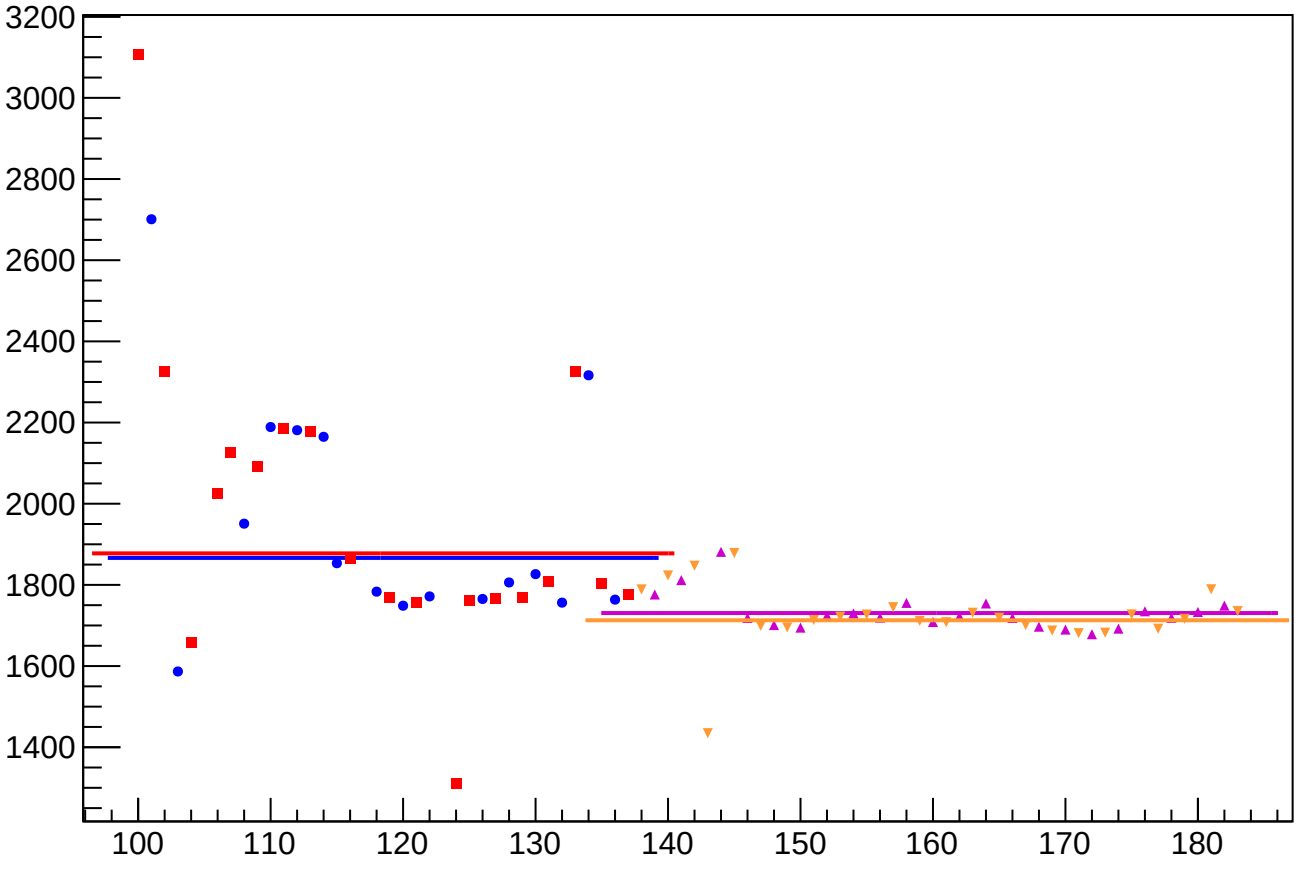
Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 4117.560+/-0.593 χ^2/NDF:2042679.1/37

Out: 2042.080+/-0.388 χ^2/NDF:24889086.1/42

All: 2663.612+/-0.325 χ^2/NDF: 35509631.0/8


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: 124.617+/-392.211 χ²/NDF:29.7/23
Right Out: -361.223+/-699.665 χ²/NDF: 20.8/18
Left In: -701.613+/-407.551 χ²/NDF:18.4/21
Left: -272.656+/-282.602 χ²/NDF: 50.3/45
Right: -724.524+/-494.707 χ²/NDF: 34.5/34
In: -799.452+/-352.151 χ²/NDF:31.8/37
Out: 8.451+/-342.123 χ²/NDF:50.9/42
All: -383.833+/-245.386 χ²/NDF: 85.4/80



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1712.807+/-0.277 χ^2/NDF:94168.9/23

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1730.631+/-0.288 χ^2/NDF:23015.0/21

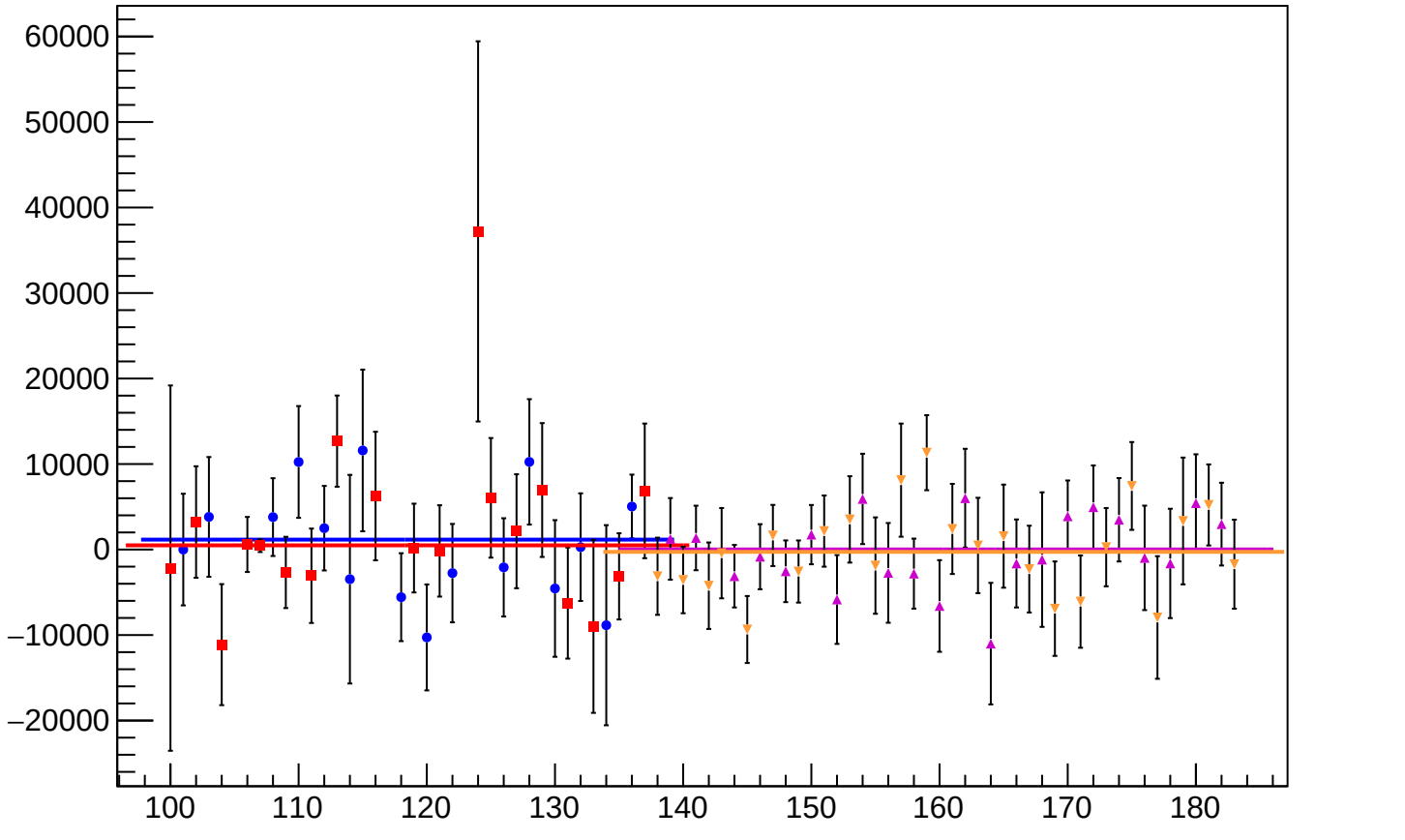
Left: 1721.377+/-0.200 χ^2/NDF: 119170.0/45

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1765.048+/-0.249 χ^2/NDF:335564.0/37

Out: 1752.273+/-0.242 χ^2/NDF:430608.0/42

All: 1758.475+/-0.173 χ^2/NDF: 767526.2/80



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -271.618+/-990.765 χ^2/NDF:25.6/23

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: 11.285+/-1008.098 χ^2/NDF:13.8/21

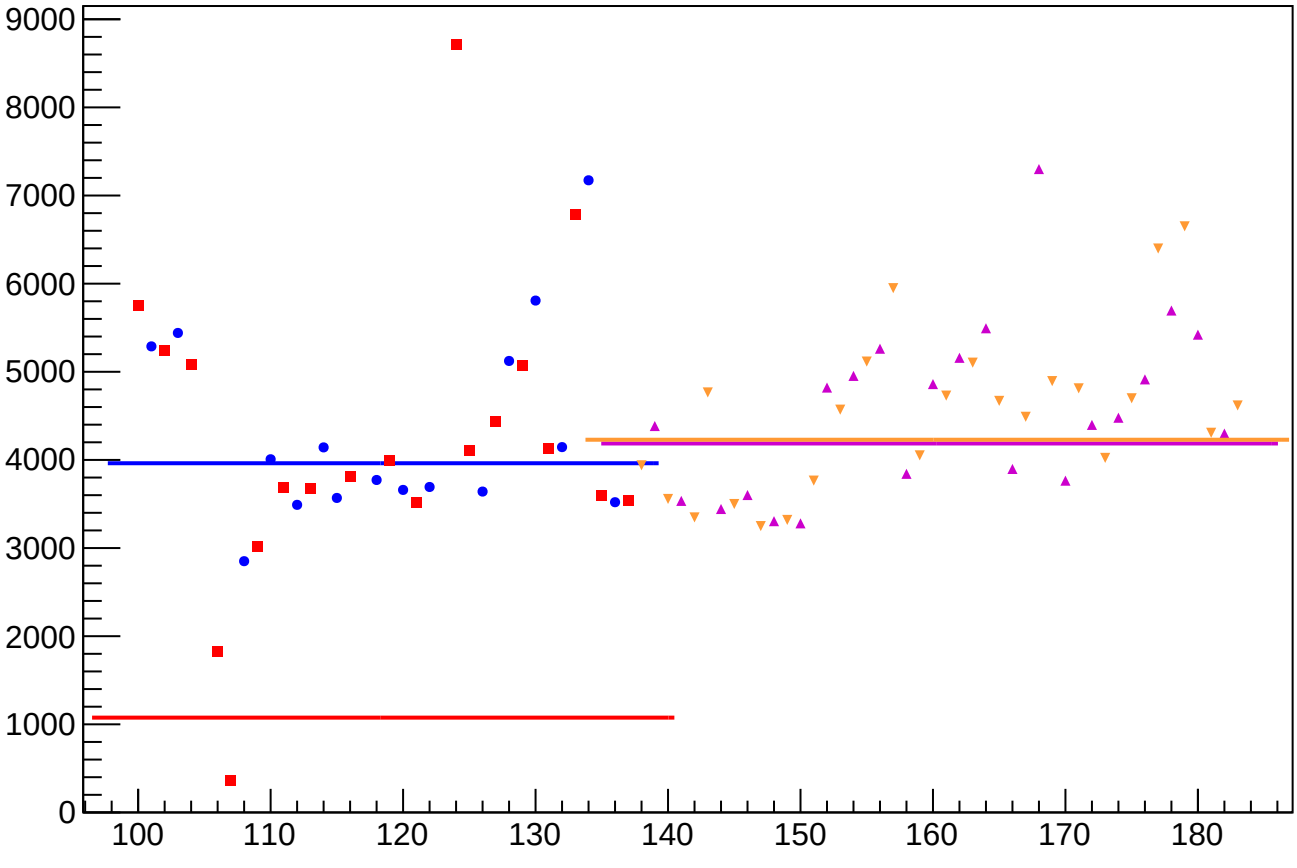
Left: -132.619+/-706.625 χ^2/NDF: 39.4/45

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 365.051+/-838.801 χ^2/NDF:27.9/37

Out: 258.655+/-548.430 χ^2/NDF:42.9/42

All: 290.517+/-459.024 χ^2/NDF: 70.8/80



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4229.077+/-0.701 χ^2/NDF:1280693.4/23

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 4186.532+/-0.713 χ^2/NDF:1343920.1/21

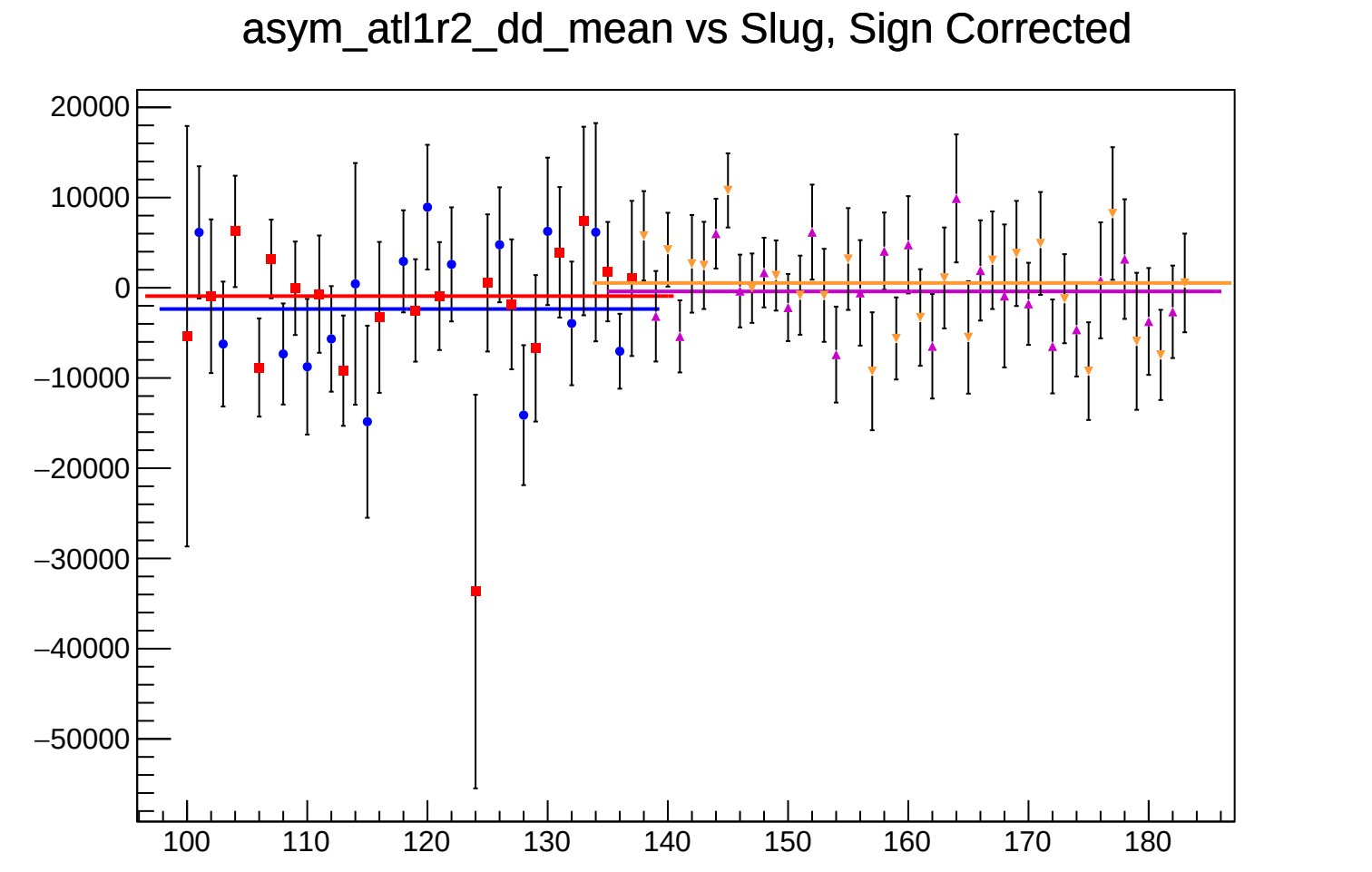
Left: 4208.174+/-0.500 χ^2/NDF: 2626425.5/45

Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

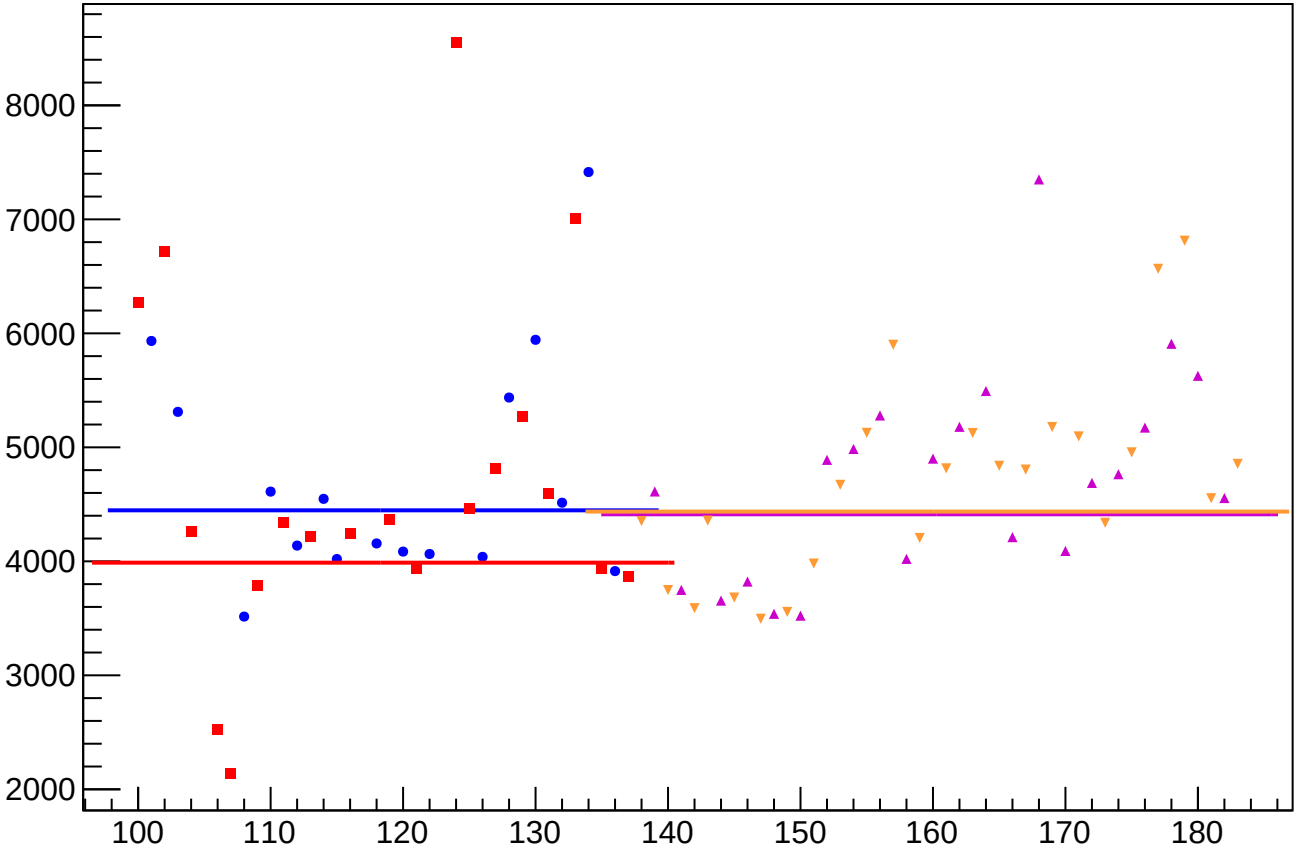
In: 4117.561+/-0.593 χ^2/NDF:2042683.7/37

Out: 2042.124+/-0.388 χ^2/NDF:24888567.6/42

All: 2663.653+/-0.325 χ^2/NDF: 35508708.7/8


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: 532.176+/-1034.561 χ²/NDF:23.3/23
Right Out: -924.896+/-1546.889 χ²/NDF: 10.6/18
Left In: -405.505+/-1057.939 χ²/NDF:16.8/21
Left: 73.810+/-739.672 χ²/NDF: 40.5/45
Right: -1578.969+/-1139.452 χ²/NDF: 26.5/34
In: -956.774+/-895.946 χ²/NDF:33.3/37
Out: 81.859+/-859.959 χ²/NDF:34.5/42
All: -416.179+/-620.415 χ²/NDF: 68.5/80

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4436.354+/-0.732 χ^2/NDF:1069978.4/23

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4412.661+/-0.748 χ^2/NDF:1110570.4/21

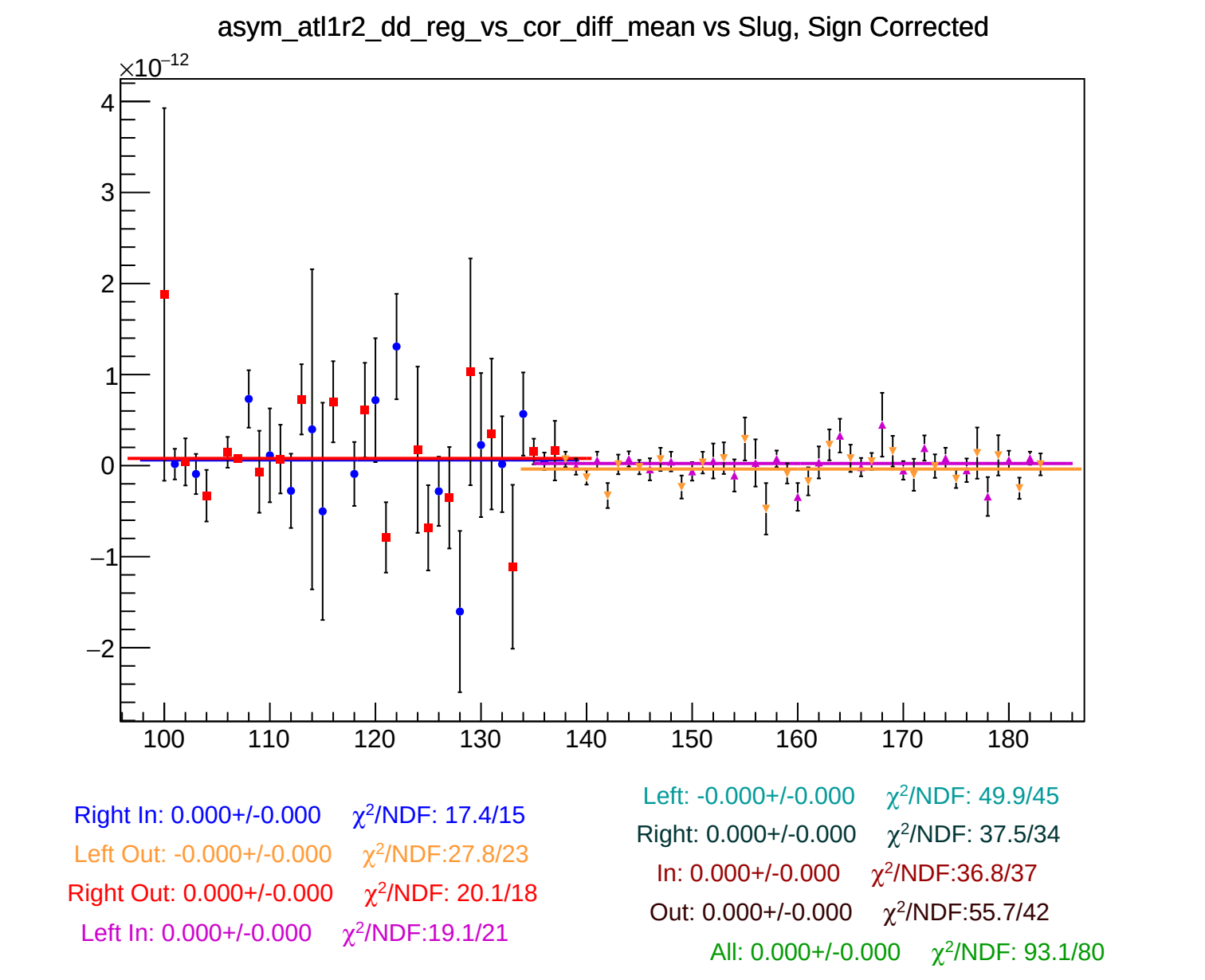
Left: 4424.772+/-0.523 χ^2/NDF: 2181061.5/45

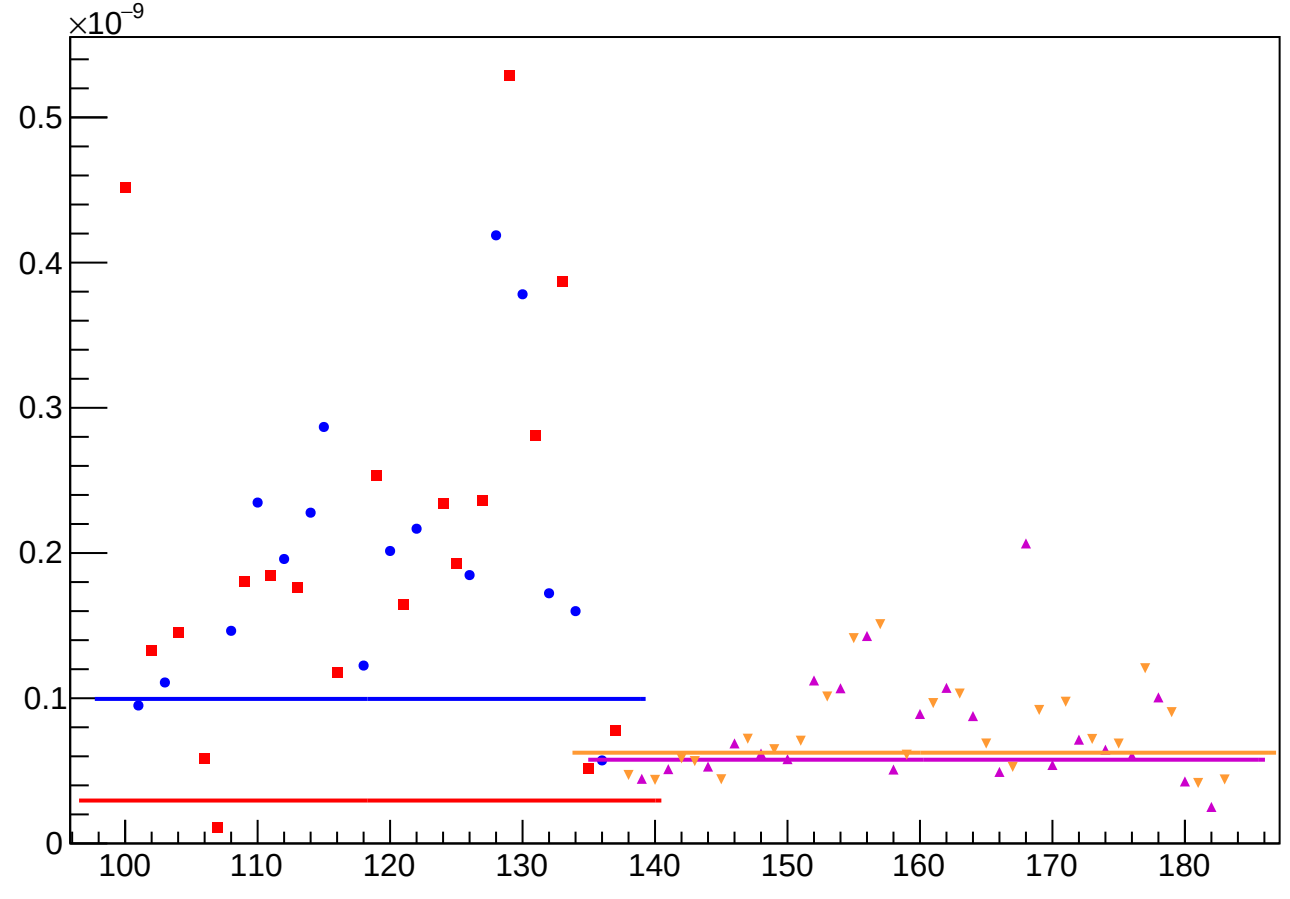
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4422.492+/-0.634 χ^2/NDF:1569432.3/37

Out: 4295.950+/-0.606 χ^2/NDF:2331475.3/42

All: 4356.433+/-0.438 χ^2/NDF: 3921735.0/80


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:27.8/23
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: 49.9/45
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:55.7/42
All: 0.000+/-0.000 χ²/NDF: 93.1/80



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1464746.4/23

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: 3370486.0/45

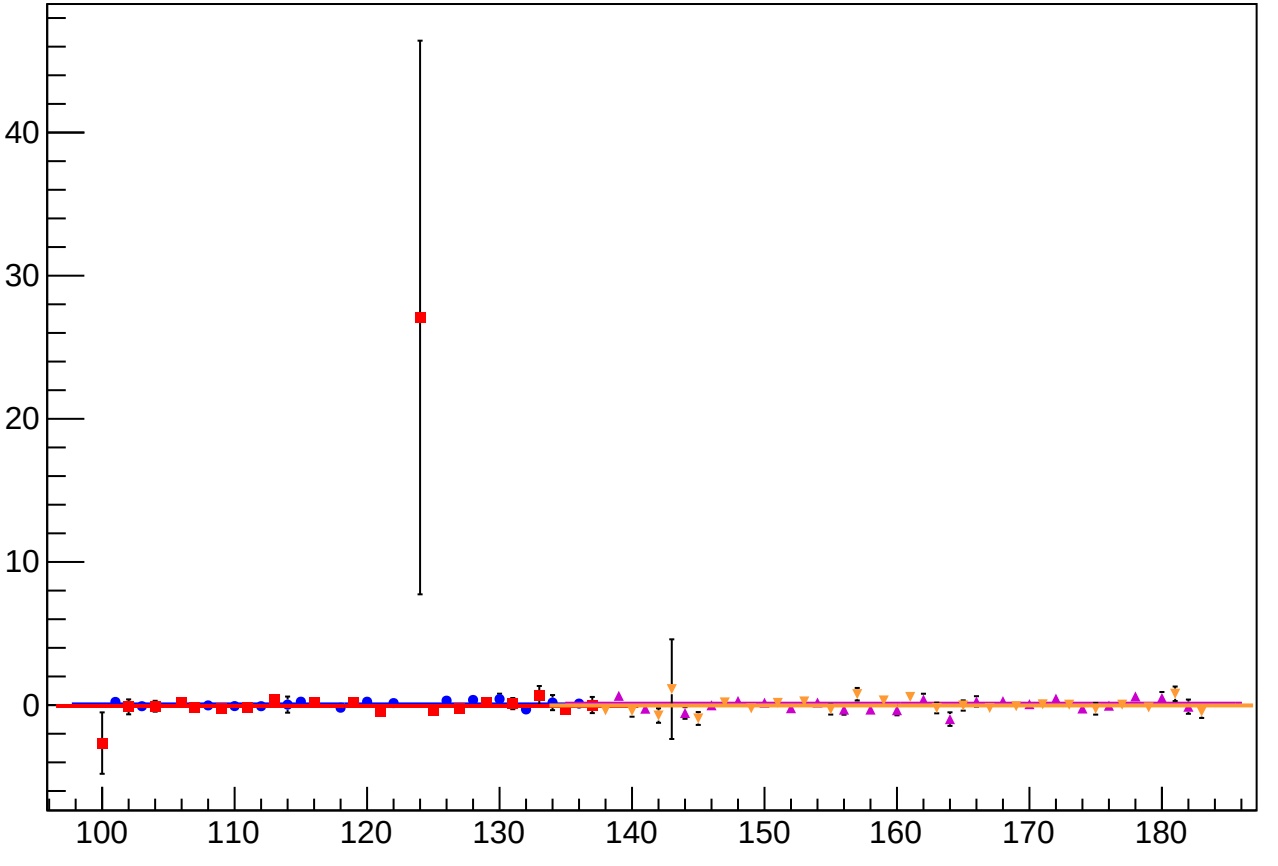
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:4099419.3/37

Out: 0.000+/-0.000 χ^2/NDF:7076165.6/42

All: 0.000+/-0.000 χ^2/NDF: 11481660.8/80

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: -0.023+/-0.062 χ^2/NDF:23.5/23

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.098+/-0.063 χ^2/NDF:31.2/21

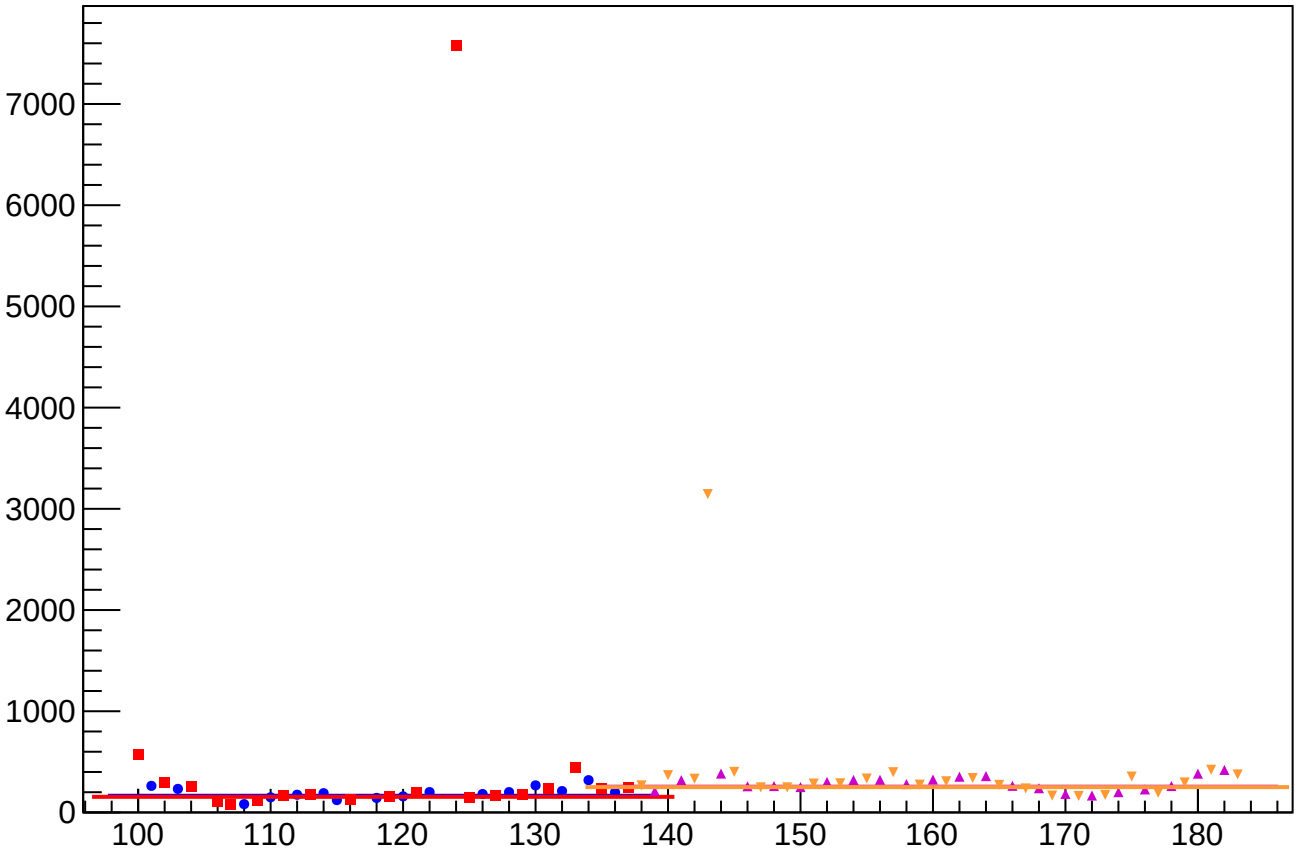
Left: 0.036+/-0.044 χ^2/NDF: 56.6/45

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.074+/-0.046 χ^2/NDF:39.1/37

Out: -0.042+/-0.045 χ^2/NDF:42.1/42

All: 0.015+/-0.032 χ^2/NDF: 84.6/80



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 250.448+/-0.044 χ^2/NDF:4225245.5/23

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: 252.393+/-0.031 χ^2/NDF: 6298008.3/45

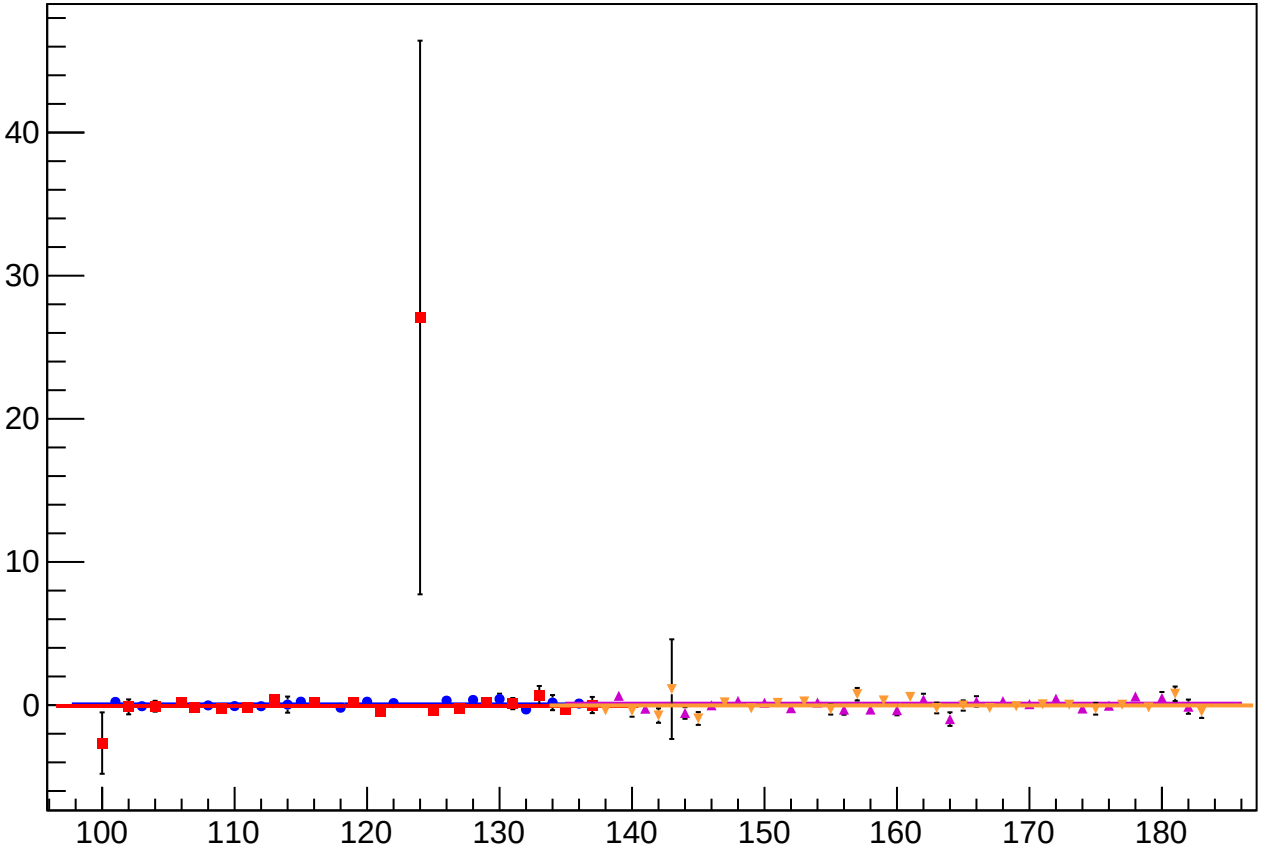
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 211.778+/-0.032 χ^2/NDF:5448802.2/37

Out: 204.053+/-0.032 χ^2/NDF:8447015.7/42

All: 207.825+/-0.023 χ^2/NDF: 13924909.8/80

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: -0.023+/-0.062 χ^2/NDF:23.5/23

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.098+/-0.063 χ^2/NDF:31.2/21

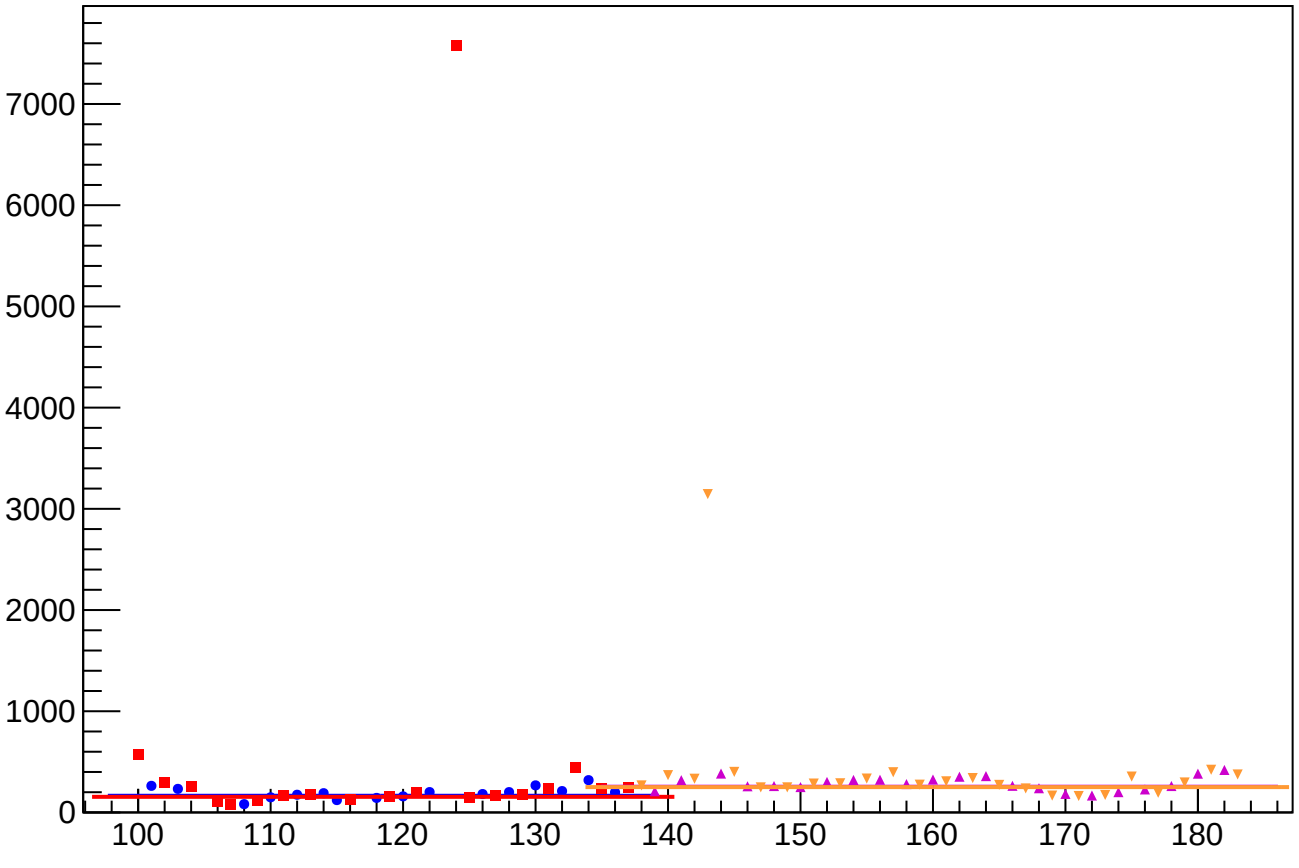
Left: 0.036+/-0.044 χ^2/NDF: 56.6/45

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.074+/-0.046 χ^2/NDF:39.1/37

Out: -0.042+/-0.045 χ^2/NDF:42.1/42

All: 0.015+/-0.032 χ^2/NDF: 84.6/80



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 250.448+/-0.044 χ^2/NDF:4225245.5/23

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 254.405+/-0.045 χ^2/NDF:2068790.9/21

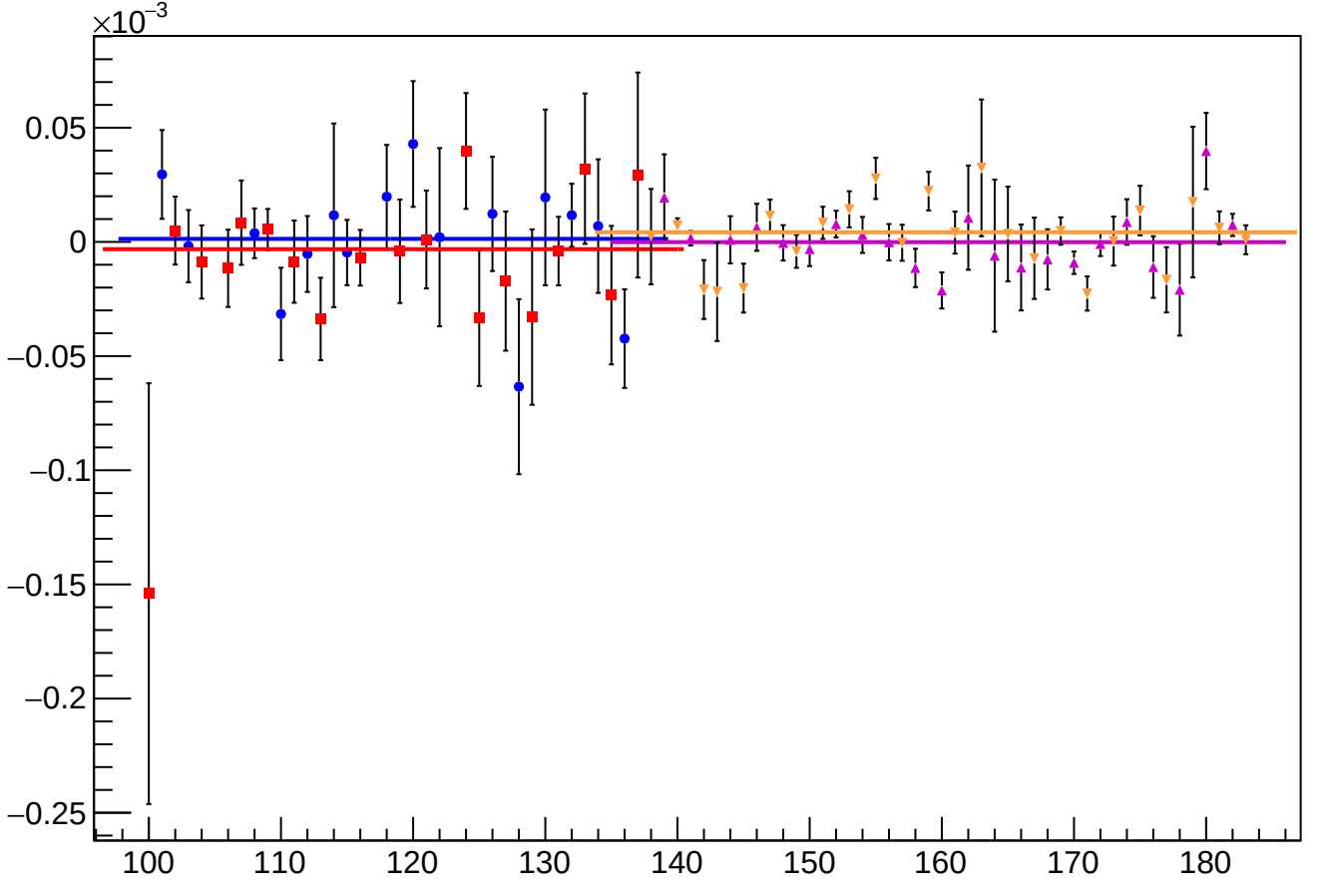
Left: 252.393+/-0.031 χ^2/NDF: 6298008.3/45

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 211.778+/-0.032 χ^2/NDF:5448802.2/37

Out: 204.053+/-0.032 χ^2/NDF:8447015.7/42

All: 207.825+/-0.023 χ^2/NDF: 13924909.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:27.9/21

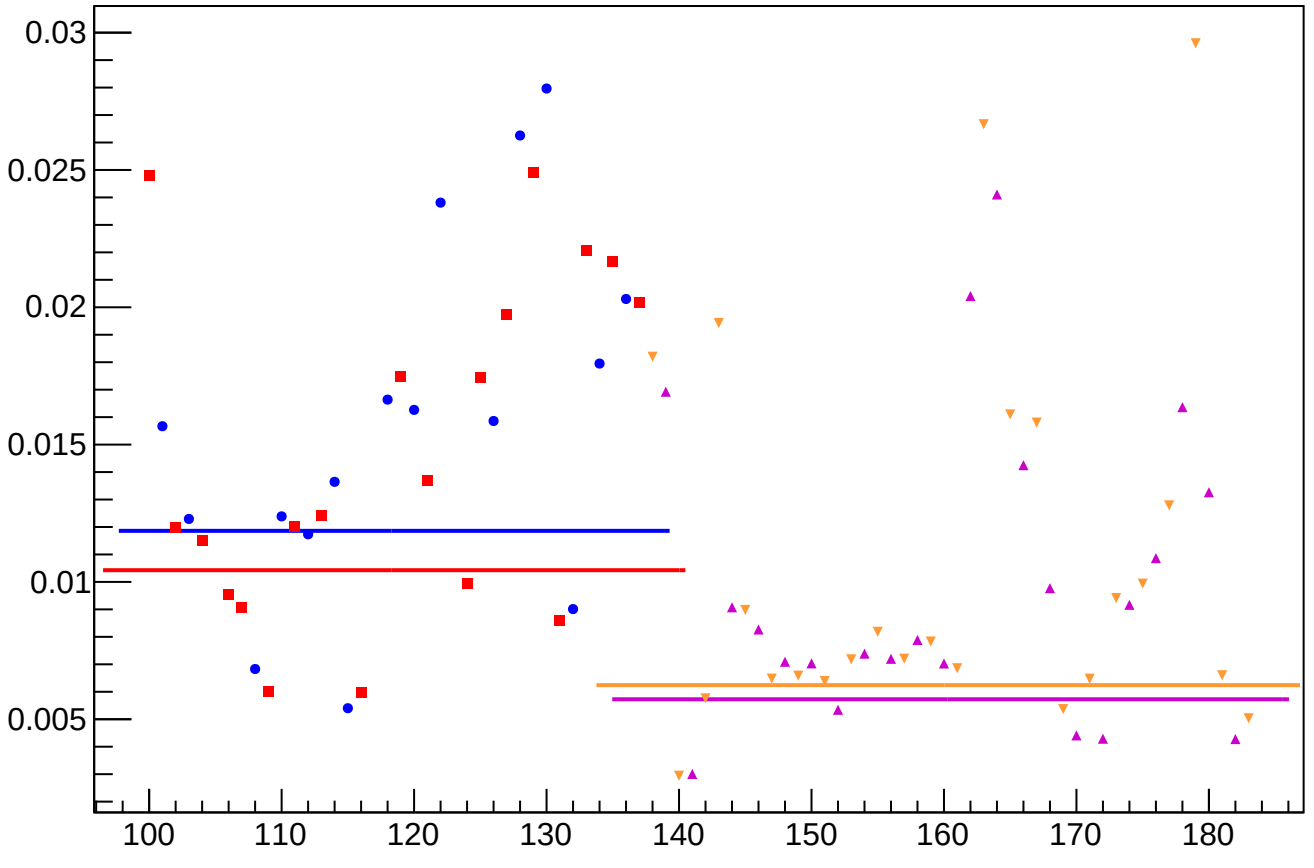
Left: 0.000+/-0.000 χ^2/NDF: 76.4/45

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:62.3/42

All: 0.000+/-0.000 χ^2/NDF: 108.5/80



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:7795852.5/23

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: 14845676.9/45

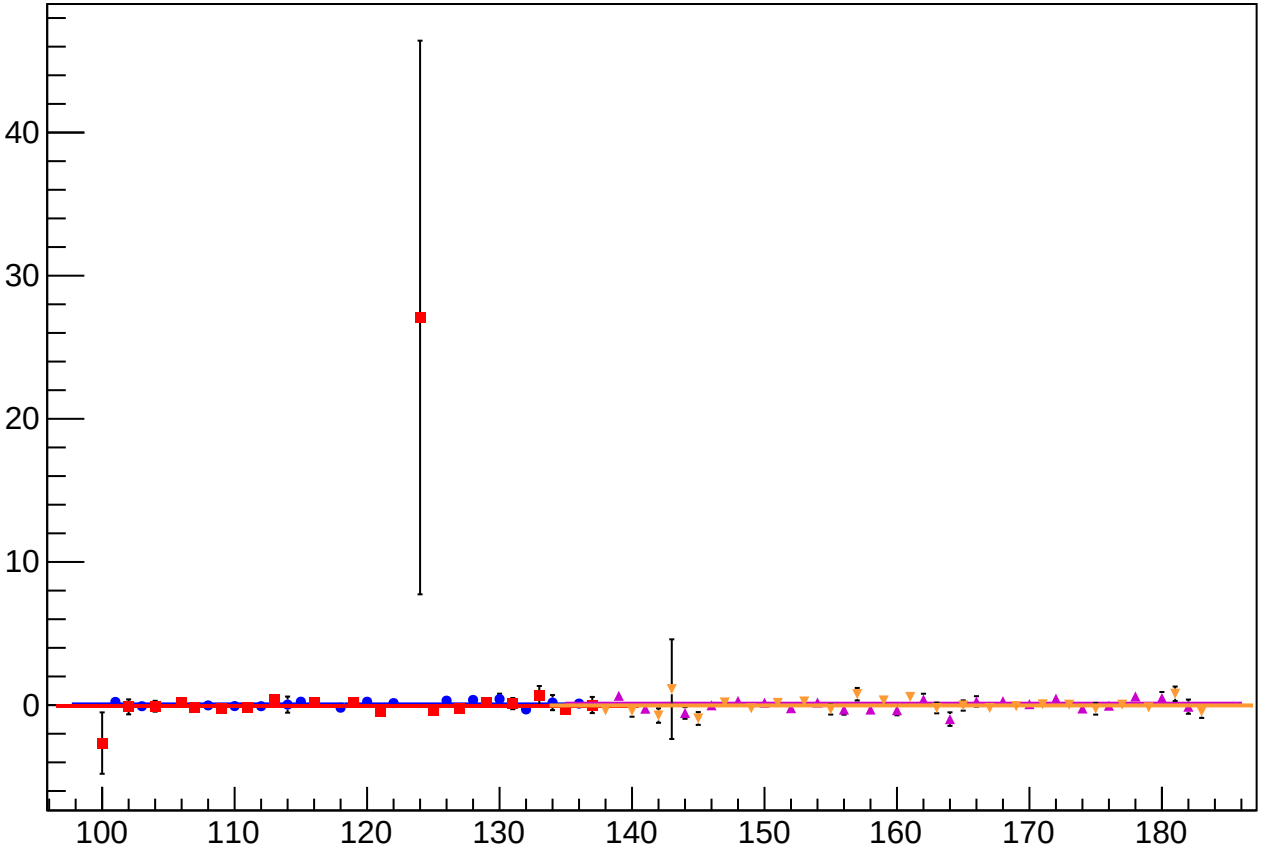
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:12219705.1/37

Out: 0.007+/-0.000 χ^2/NDF:11843015.4/42

All: 0.007+/-0.000 χ^2/NDF: 24162534.5/80

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: -0.023+/-0.062 χ^2/NDF:23.5/23

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: 0.036+/-0.044 χ^2/NDF: 56.6/45

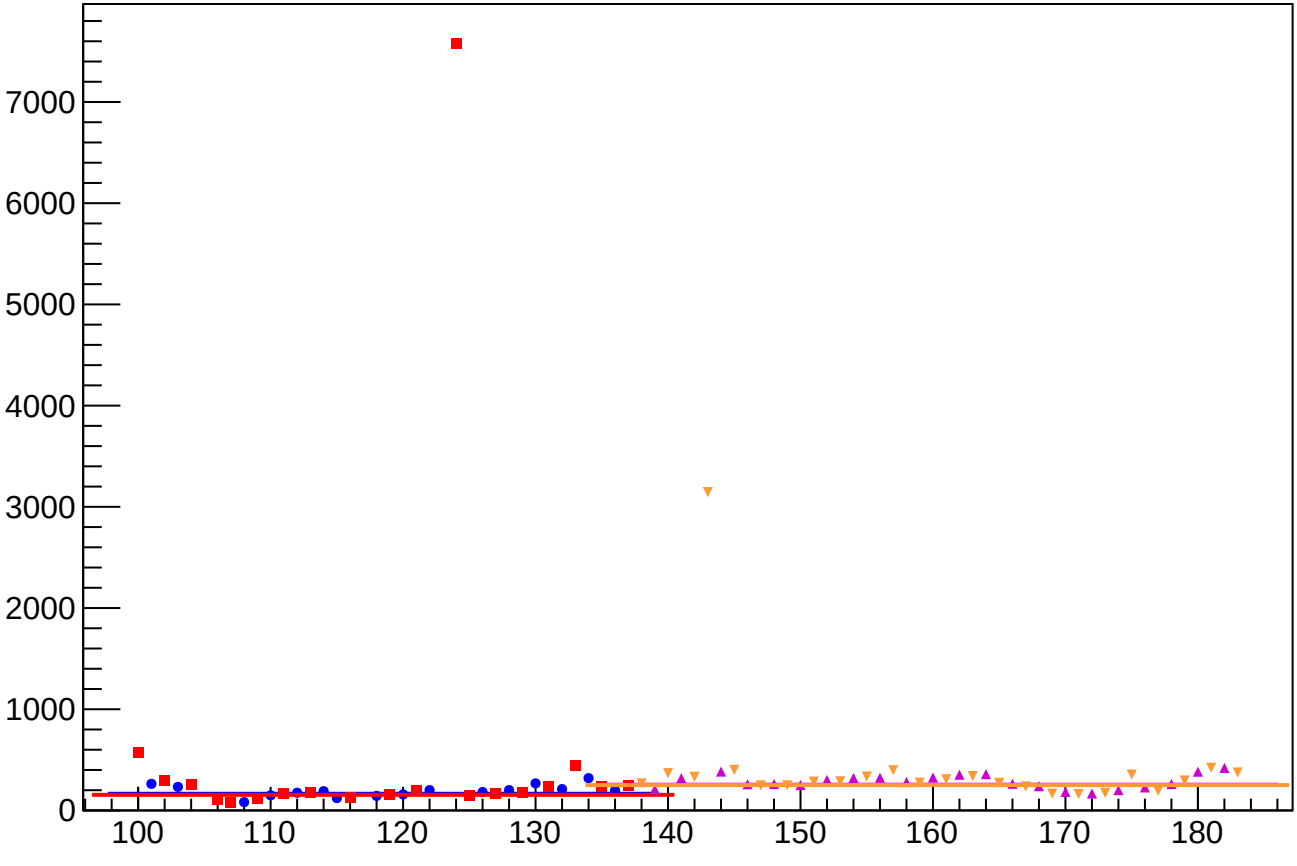
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.074+/-0.046 χ^2/NDF:39.1/37

Out: -0.042+/-0.045 χ^2/NDF:42.1/42

All: 0.015+/-0.032 χ^2/NDF: 84.6/80

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 250.450+/-0.044 χ^2/NDF:4225342.0/23

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: 252.395+/-0.031 χ^2/NDF: 6298141.3/45

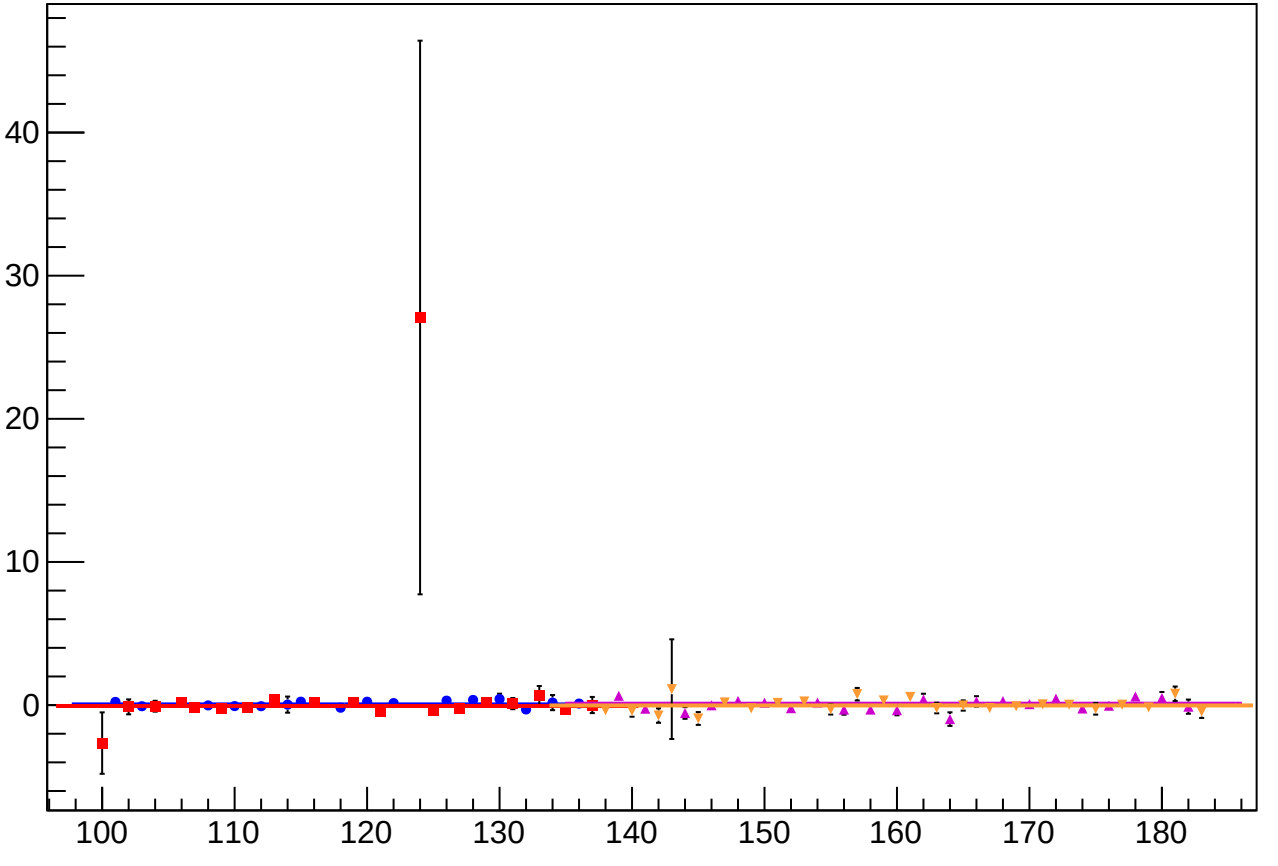
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 211.779+/-0.032 χ^2/NDF:5448908.7/37

Out: 204.054+/-0.032 χ^2/NDF:8447208.9/42

All: 207.826+/-0.023 χ^2/NDF: 13925211.6/80

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: -0.023+/-0.062 χ^2/NDF:23.5/23

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: 0.036+/-0.044 χ^2/NDF: 56.6/45

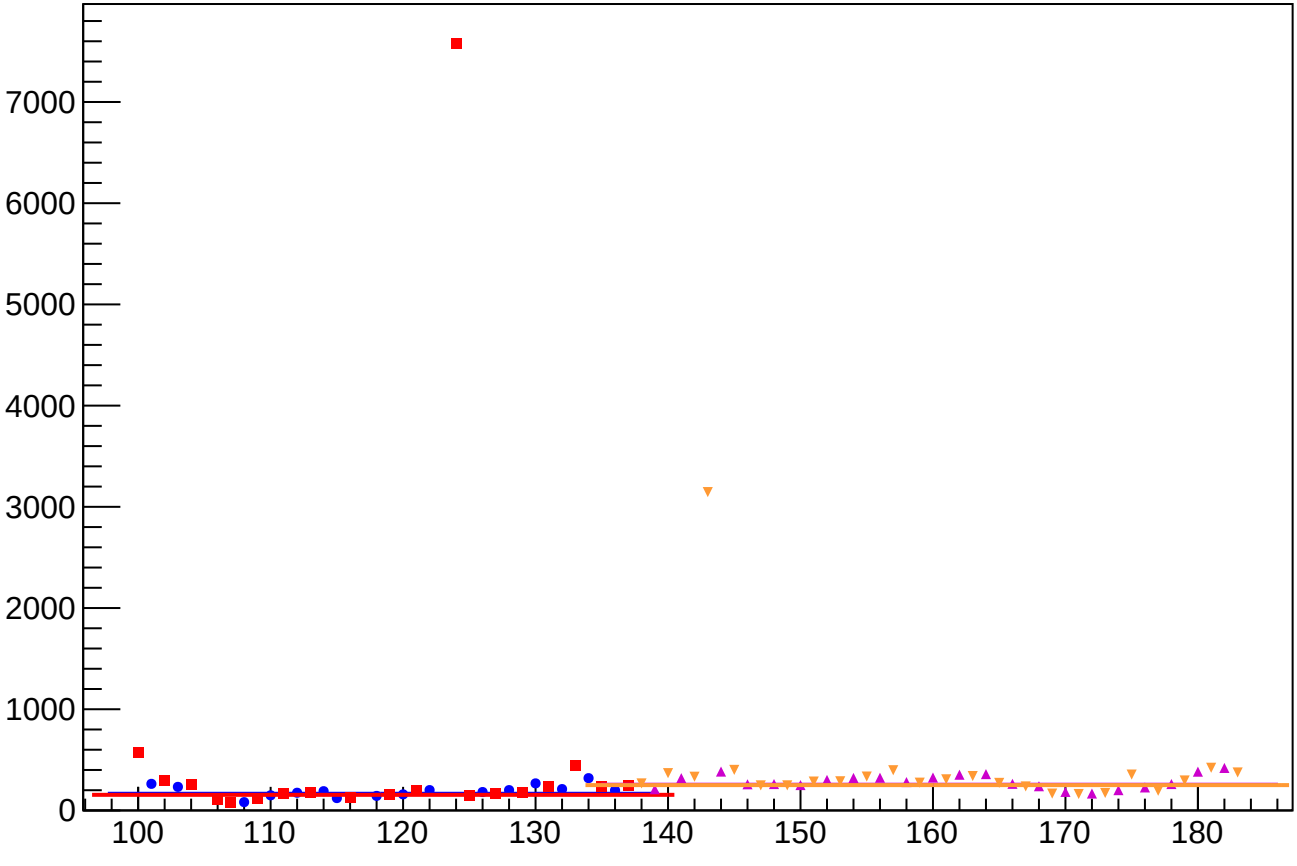
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.074+/-0.046 χ^2/NDF:39.1/37

Out: -0.042+/-0.045 χ^2/NDF:42.1/42

All: 0.015+/-0.032 χ^2/NDF: 84.6/80

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: 250.450+/-0.044 χ^2/NDF:4225342.0/23

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 254.407+/-0.045 χ^2/NDF:2068825.7/21

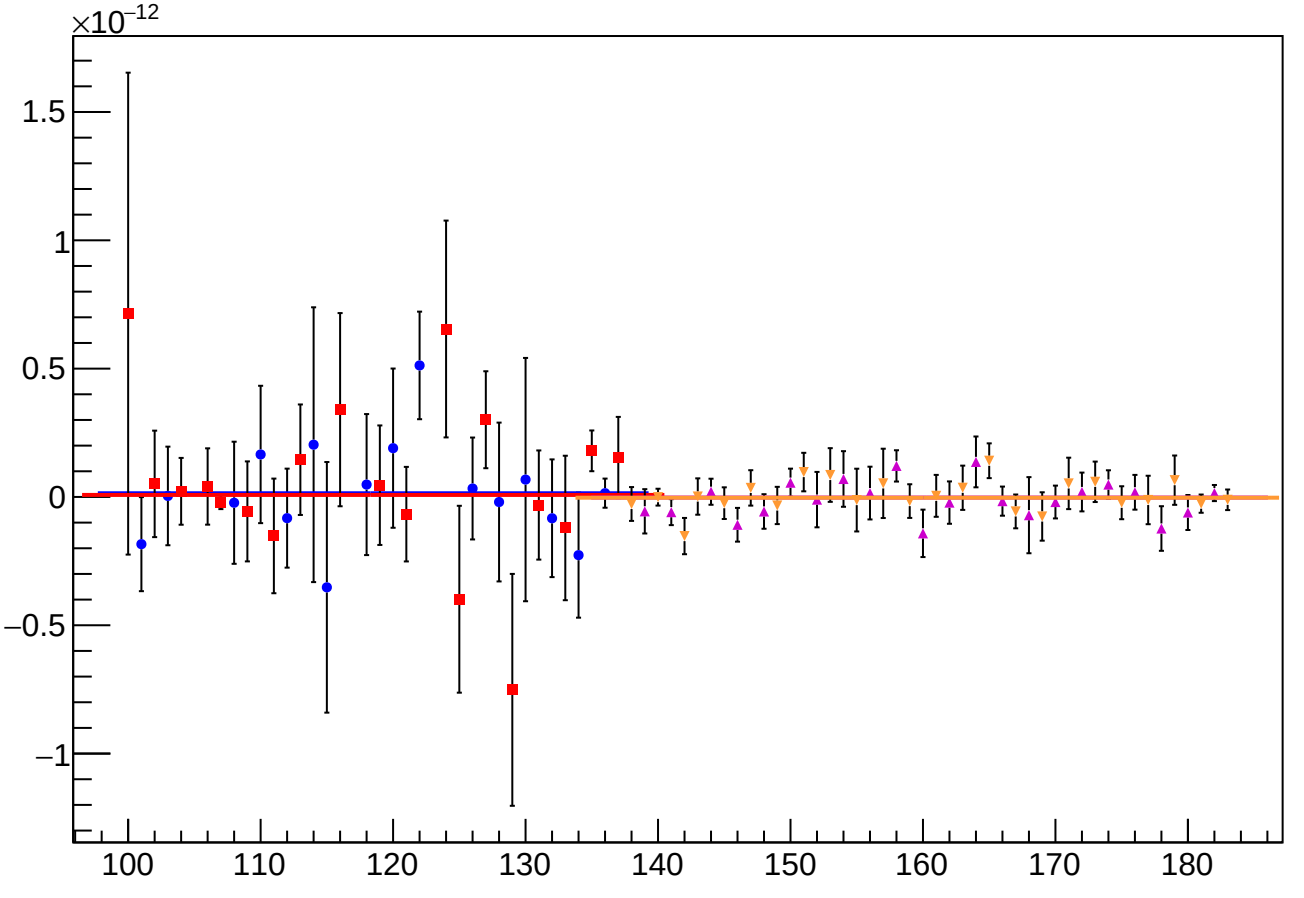
Left: 252.395+/-0.031 χ^2/NDF: 6298141.3/45

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 211.779+/-0.032 χ^2/NDF:5448908.7/37

Out: 204.054+/-0.032 χ^2/NDF:8447208.9/42

All: 207.826+/-0.023 χ^2/NDF: 13925211.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.4/21

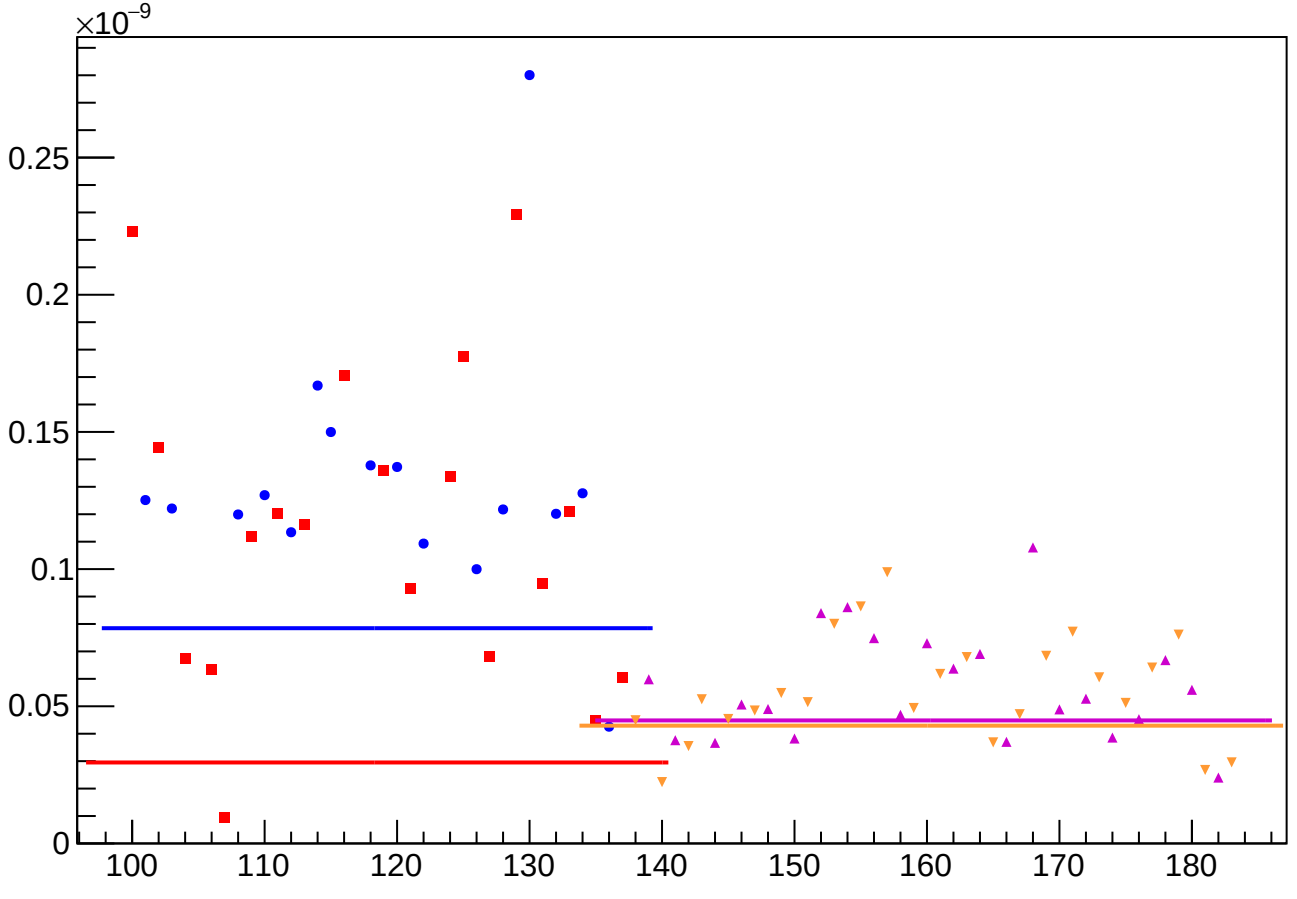
Left: -0.000+/-0.000 χ^2/NDF: 35.3/45

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:34.4/42

All: -0.000+/-0.000 χ^2/NDF: 63.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3596501.4/23

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: 6473255.4/45

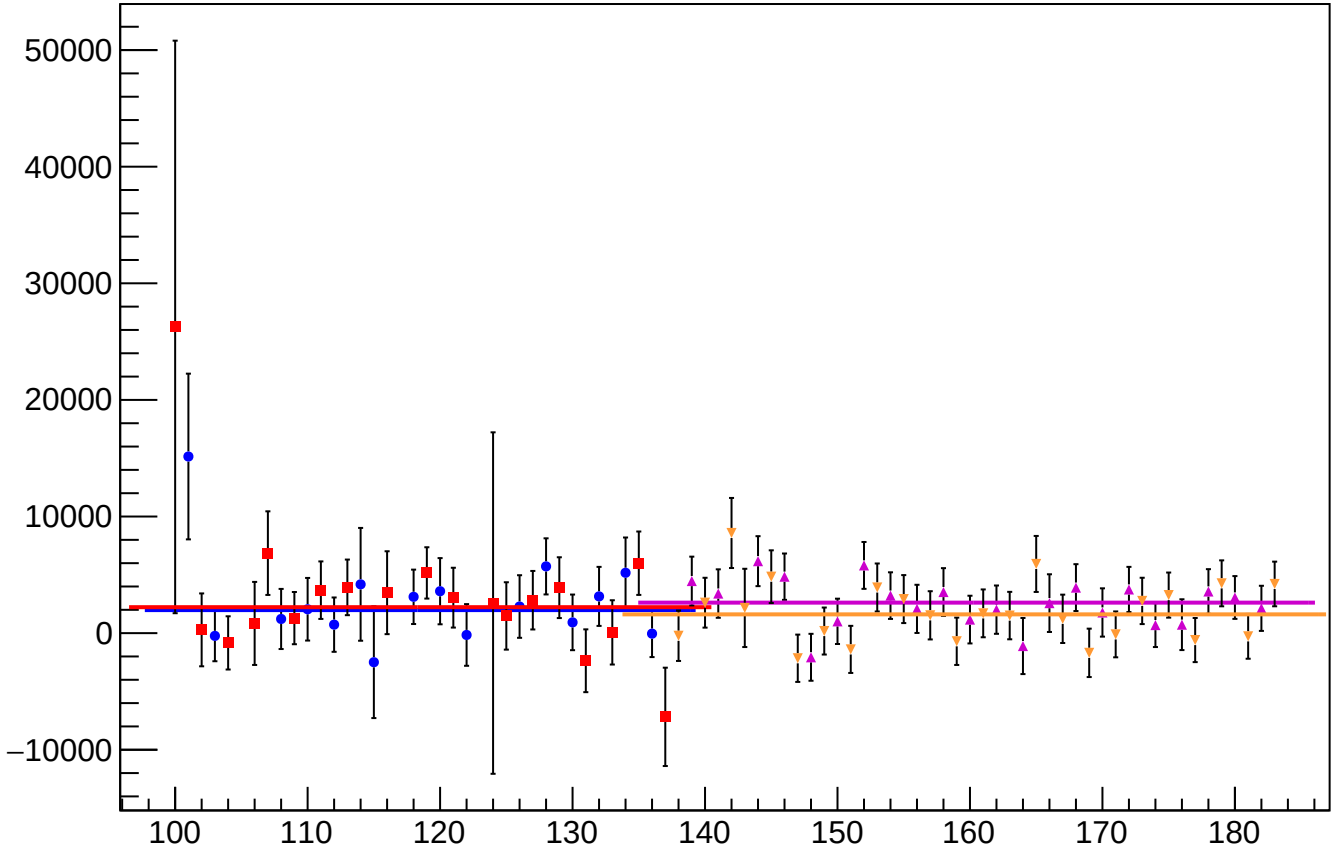
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:6096526.6/37

Out: 0.000+/-0.000 χ^2/NDF:9599874.8/42

All: 0.000+/-0.000 χ^2/NDF: 16167021.8/80

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1610.448+/-426.807 χ^2/NDF:31.2/23

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2615.976+/-434.396 χ^2/NDF:20.0/21

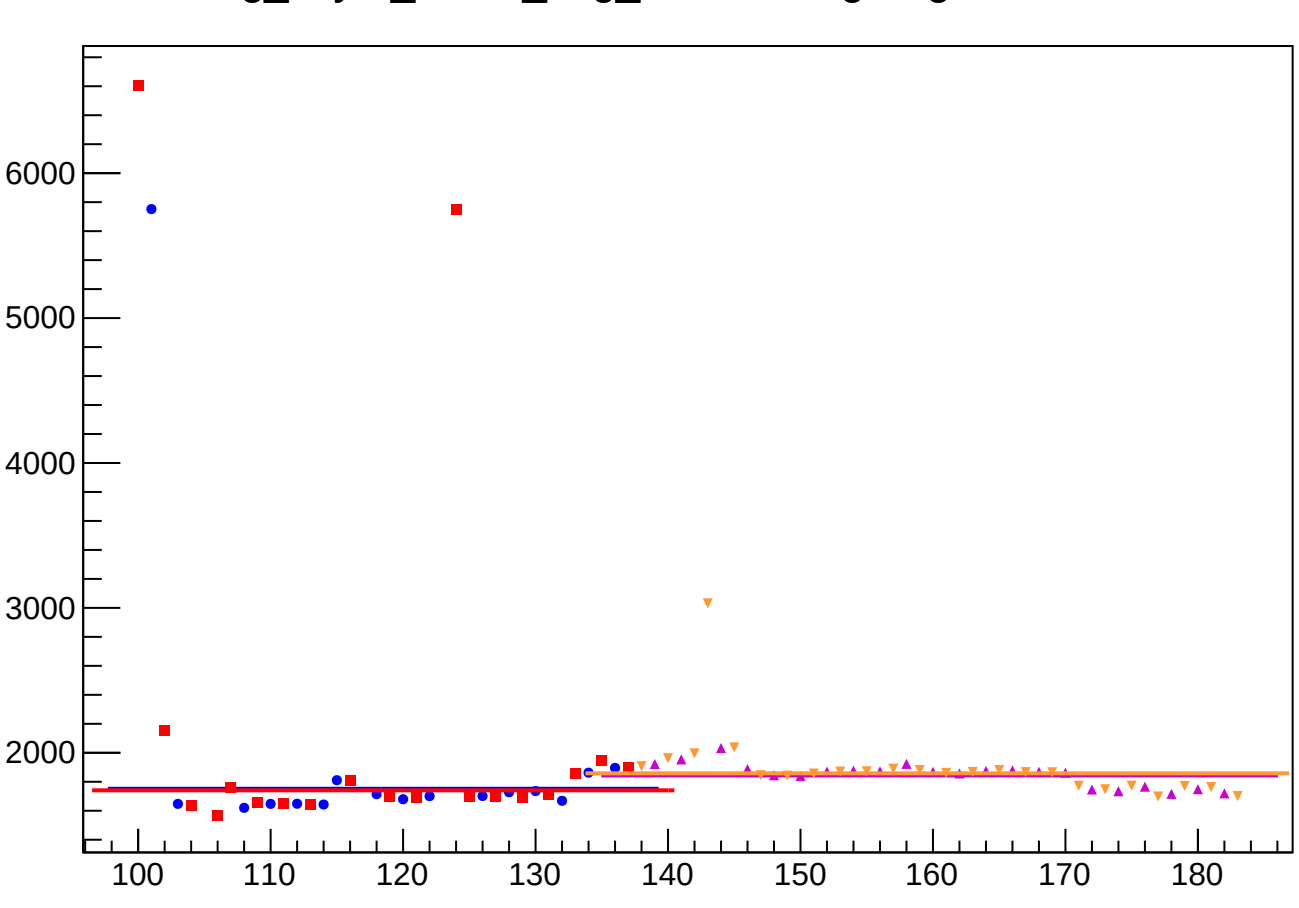
Left: 2104.352+/-304.446 χ^2/NDF: 53.9/45

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2425.748+/-364.121 χ^2/NDF:32.8/37

Out: 1793.458+/-357.799 χ^2/NDF:50.7/42

All: 2104.066+/-255.208 χ^2/NDF: 85.0/80



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1858.402+/-0.302 χ^2/NDF:318852.0/23

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: 1851.055+/-0.215 χ^2/NDF: 387620.2/45

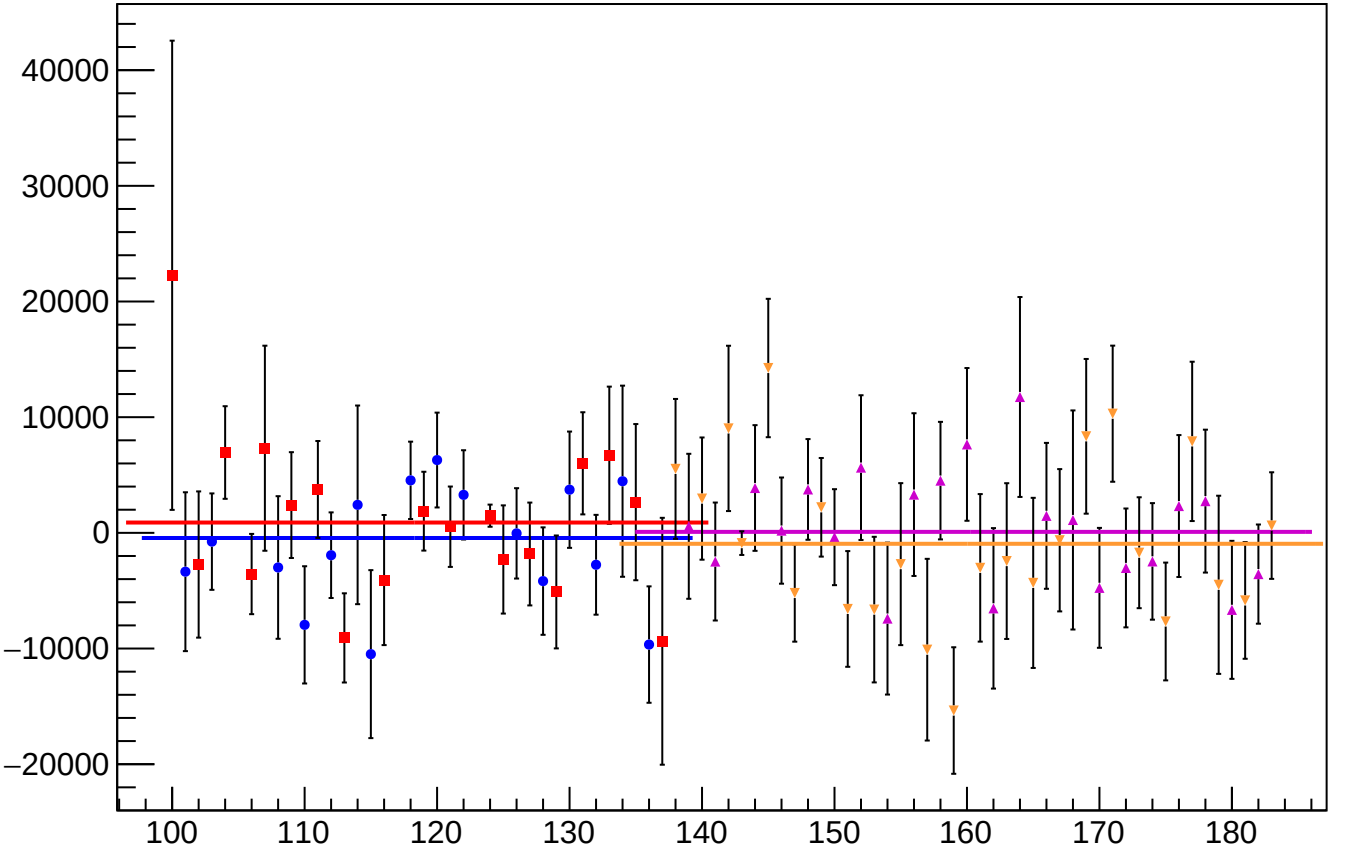
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1816.134+/-0.257 χ^2/NDF:764797.7/37

Out: 1823.159+/-0.252 χ^2/NDF:668913.5/42

All: 1819.716+/-0.180 χ^2/NDF: 1434090.7/80

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -945.522+/-775.362 χ^2/NDF:32.8/23

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 85.444+/-1189.256 χ^2/NDF:12.4/21

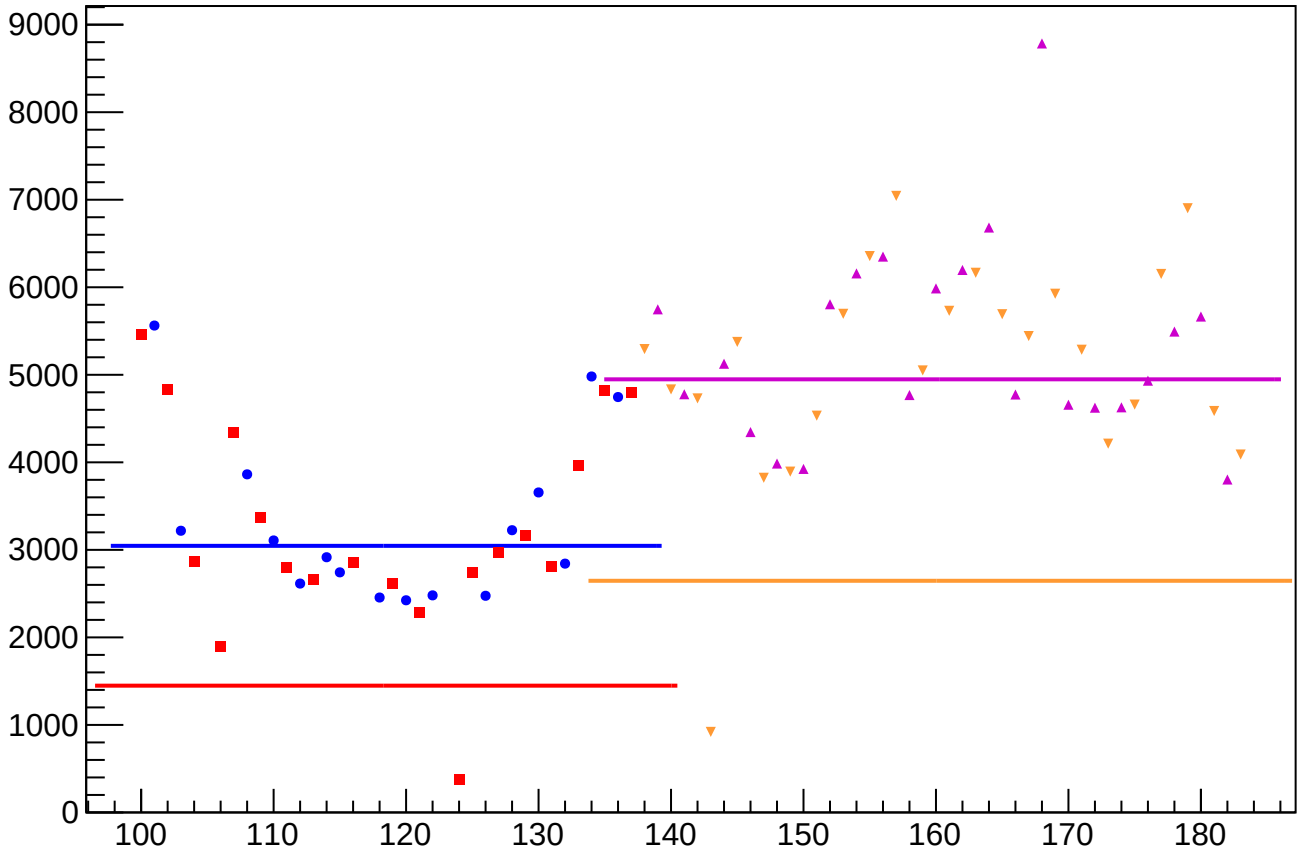
Left: -638.006+/-649.511 χ^2/NDF: 45.7/45

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: -182.733+/-835.646 χ^2/NDF:28.5/37

Out: 34.047+/-529.849 χ^2/NDF:55.8/42

All: -28.115+/-447.480 χ^2/NDF: 84.4/80



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2646.667+/-0.548 χ^2/NDF:14471177.8/23

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4948.203+/-0.841 χ^2/NDF:1212465.7/21

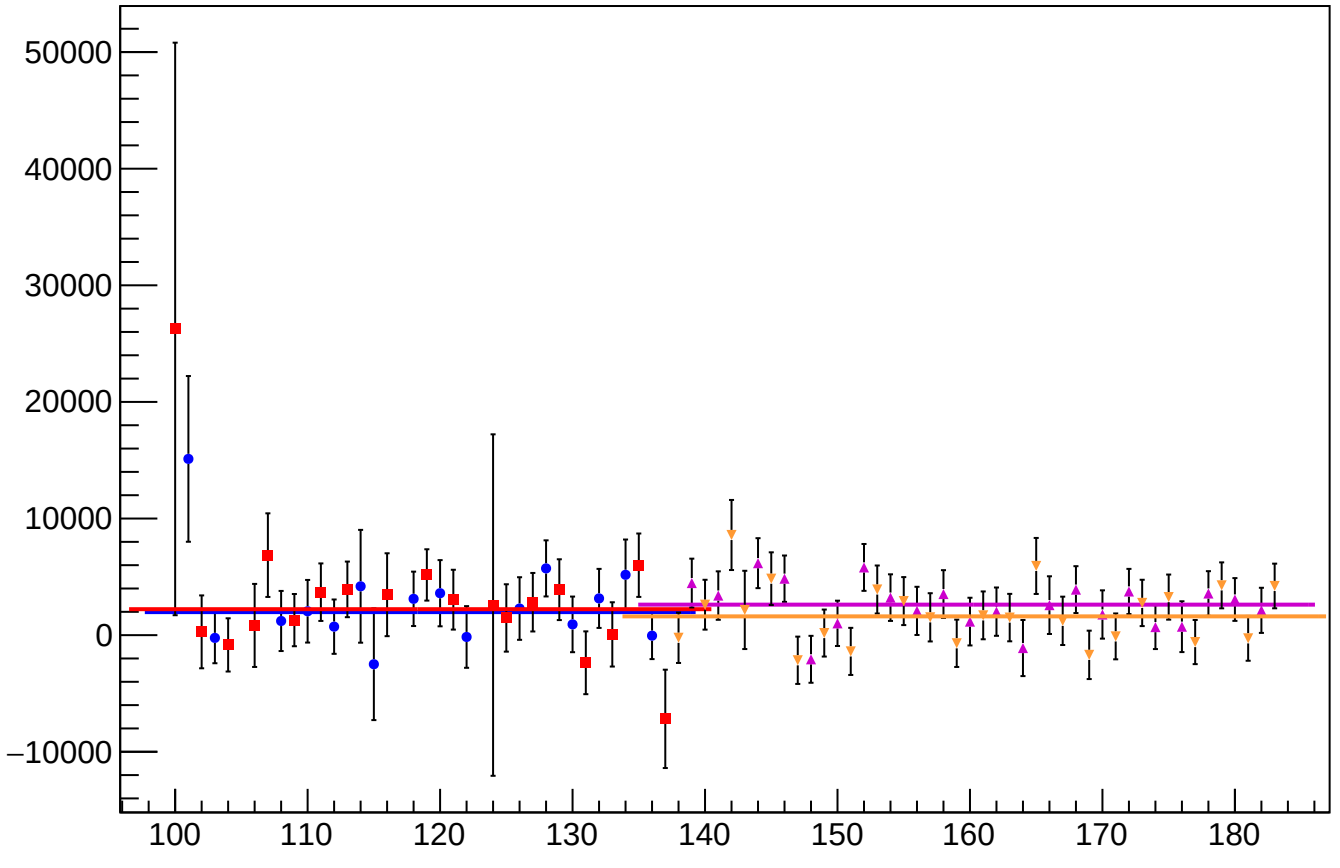
Left: 3333.167+/-0.459 χ^2/NDF: 20939933.5/45

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3985.143+/-0.591 χ^2/NDF:4710497.2/37

Out: 2008.026+/-0.375 χ^2/NDF:23803686.4/42

All: 2574.962+/-0.316 χ^2/NDF: 36499501.0/8



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1610.424+/-426.807 χ^2/NDF:31.2/23

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2616.018+/-434.396 χ^2/NDF:20.0/21

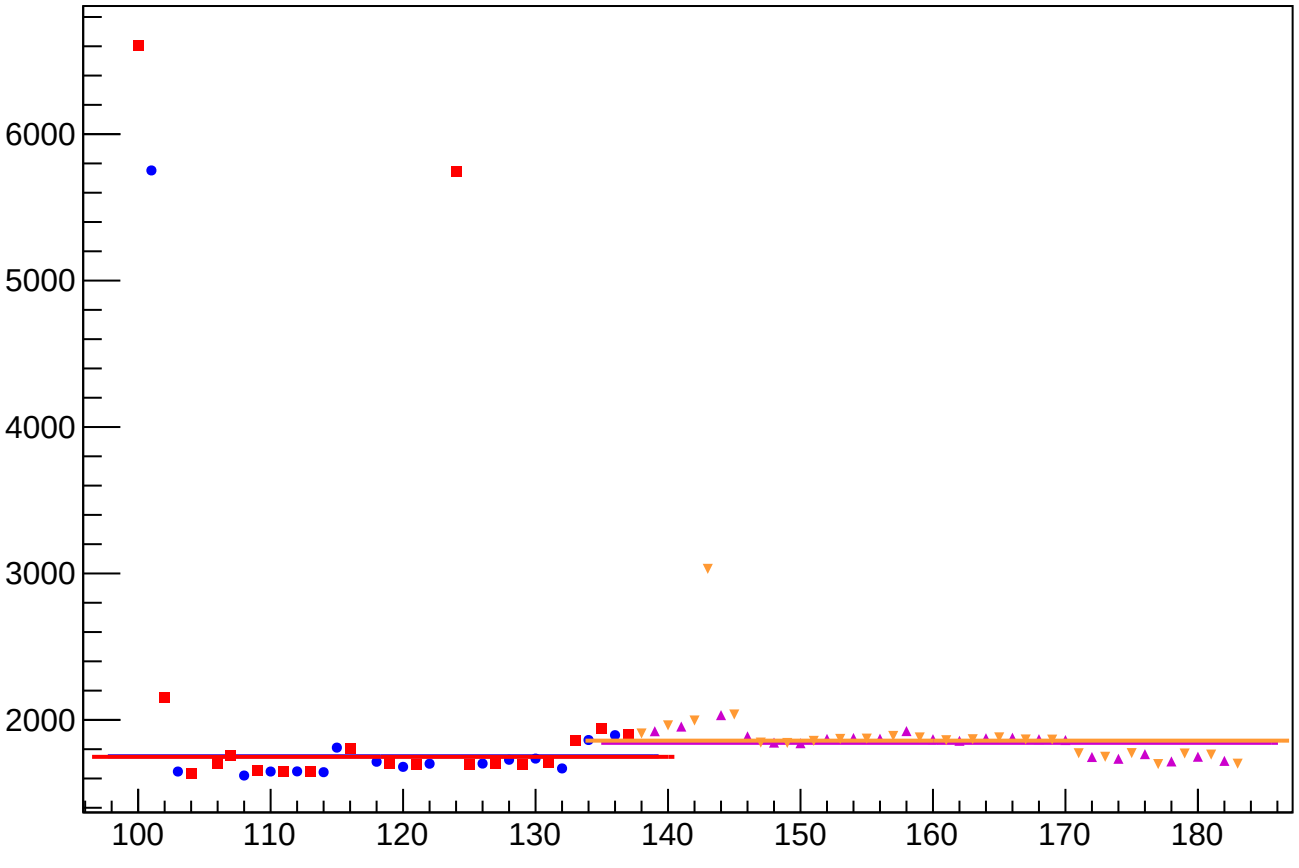
Left: 2104.361+/-304.446 χ^2/NDF: 53.9/45

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2425.672+/-364.121 χ^2/NDF:32.7/37

Out: 1793.470+/-357.799 χ^2/NDF:50.7/42

All: 2104.035+/-255.208 χ^2/NDF: 85.0/80



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1858.402+/-0.302 χ^2/NDF:318852.0/23

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: 1851.055+/-0.215 χ^2/NDF: 387620.2/45

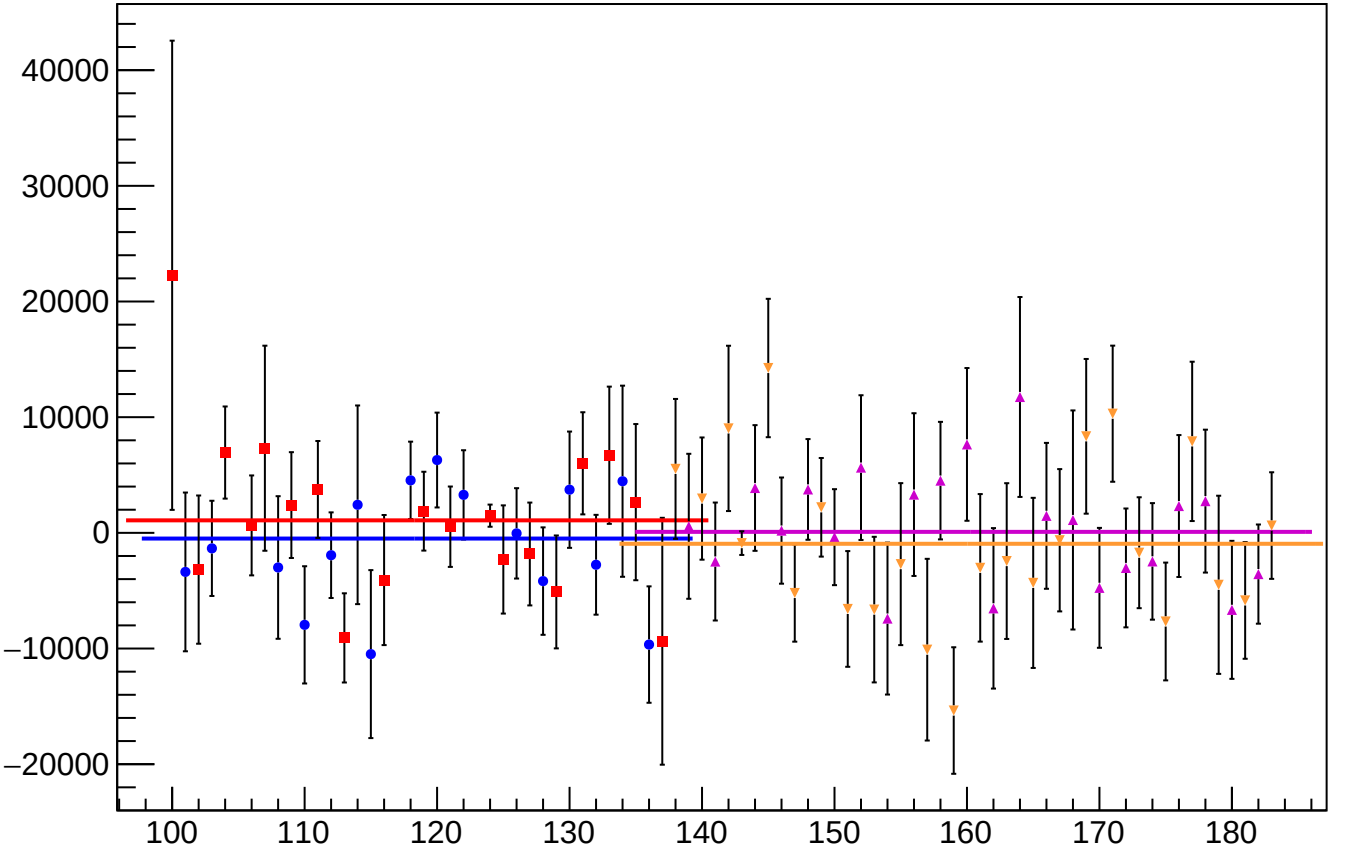
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1816.134+/-0.257 χ^2/NDF:764798.1/37

Out: 1825.350+/-0.253 χ^2/NDF:656909.6/42

All: 1820.828+/-0.180 χ^2/NDF: 1422360.2/80

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -945.367+/-775.344 χ^2/NDF:32.8/23

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 85.518+/-1189.255 χ^2/NDF:12.4/21

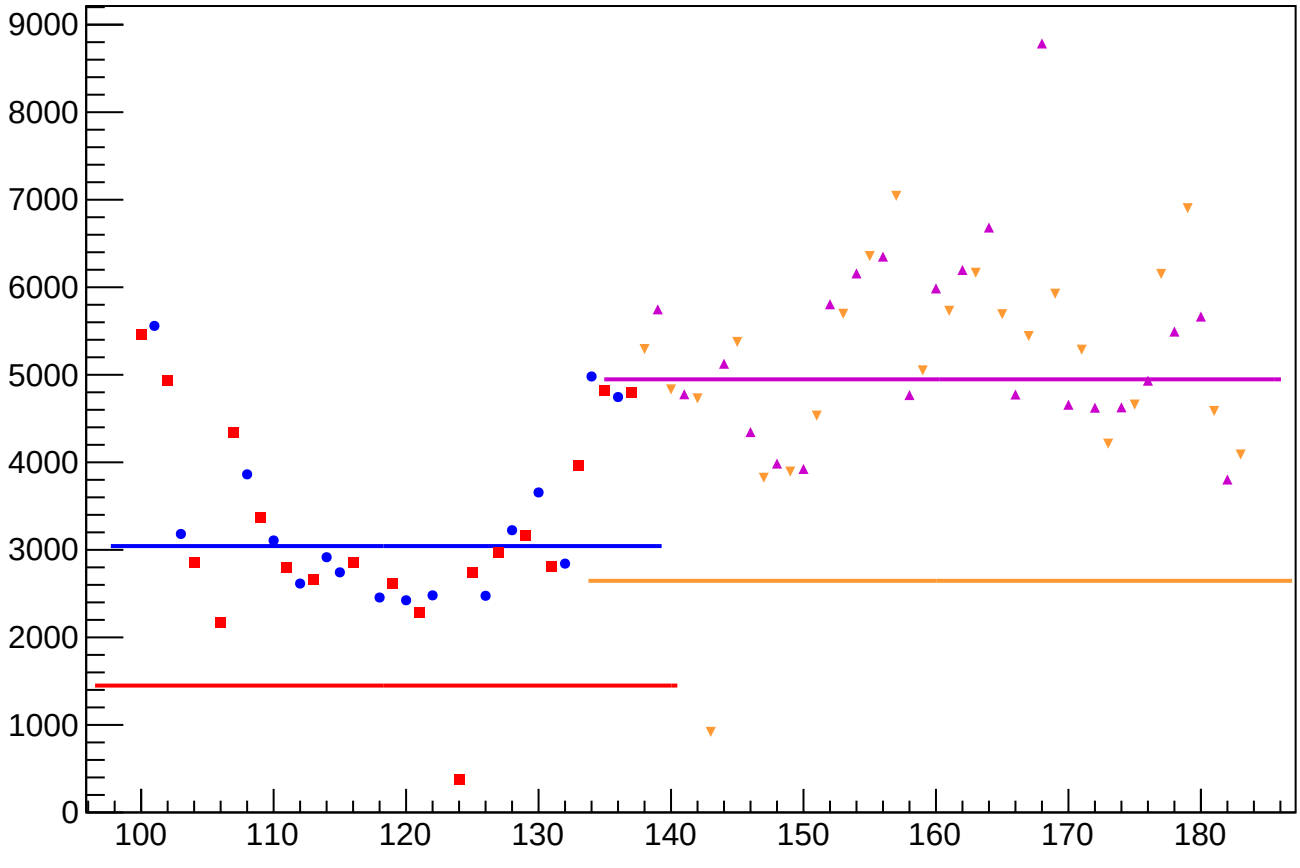
Left: -637.885+/-649.501 χ^2/NDF: 45.7/45

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -207.620+/-835.210 χ^2/NDF:28.5/37

Out: 126.745+/-532.058 χ^2/NDF:54.8/42

All: 30.225+/-448.740 χ^2/NDF: 83.5/80



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2646.564+/-0.548 χ^2/NDF:14471904.7/23

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4948.198+/-0.841 χ^2/NDF:1212477.5/21

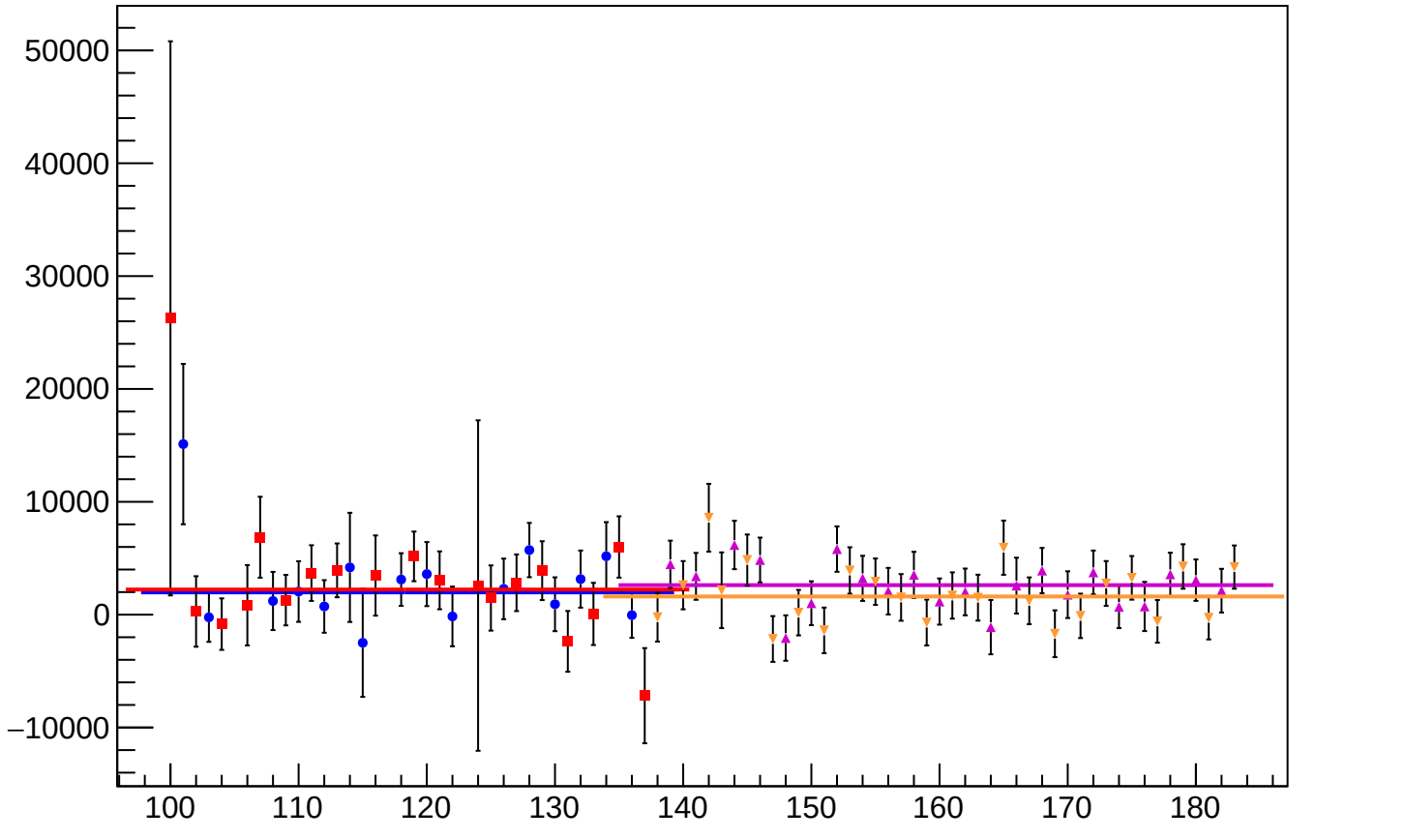
Left: 3333.072+/-0.459 χ^2/NDF: 20941199.9/45

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3982.821+/-0.591 χ^2/NDF:4718631.0/37

Out: 2013.205+/-0.376 χ^2/NDF:23819952.8/42

All: 2581.769+/-0.317 χ^2/NDF: 36450360.7/8



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1610.424+/-426.807 χ^2/NDF:31.2/23

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2616.018+/-434.396 χ^2/NDF:20.0/21

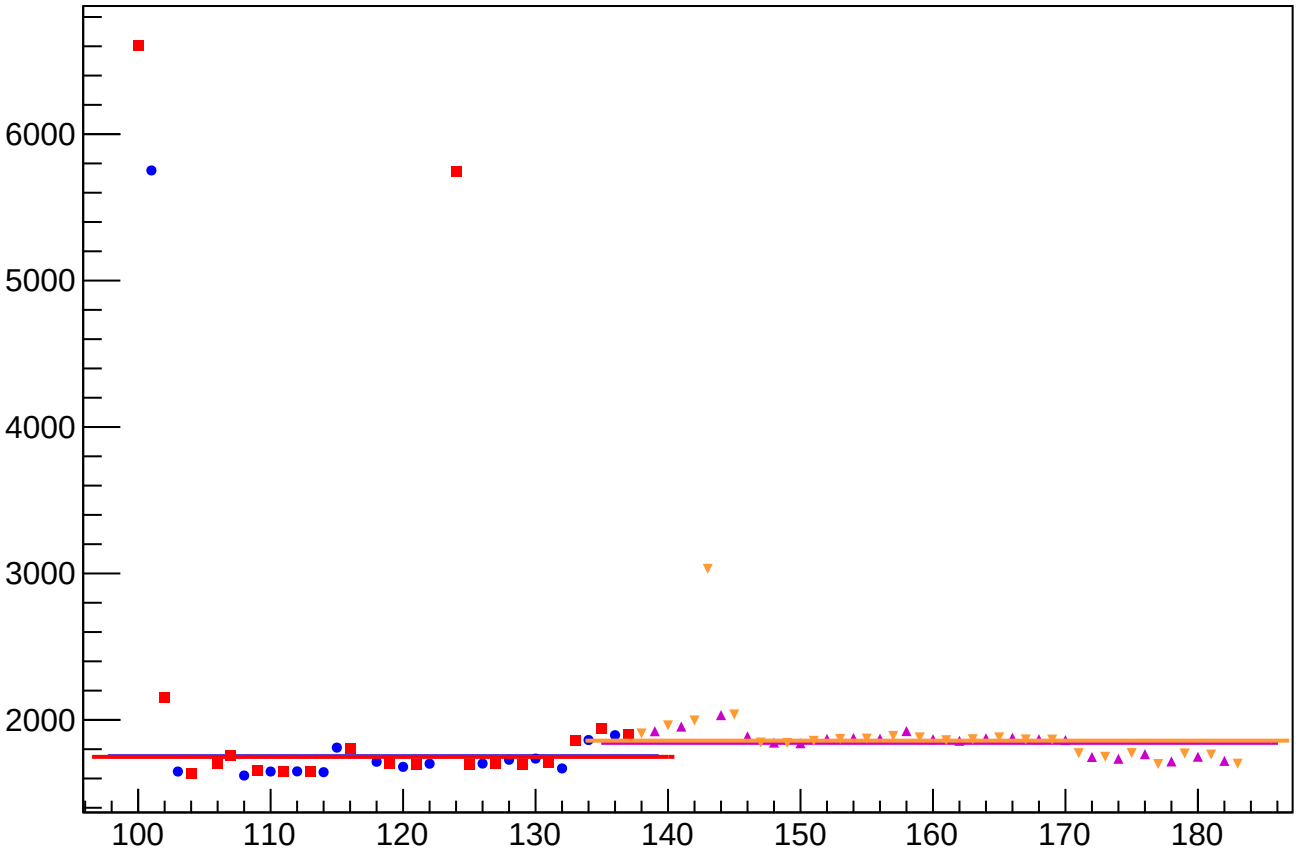
Left: 2104.361+/-304.446 χ^2/NDF: 53.9/45

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2425.672+/-364.121 χ^2/NDF:32.7/37

Out: 1793.470+/-357.799 χ^2/NDF:50.7/42

All: 2104.035+/-255.208 χ^2/NDF: 85.0/80



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1858.402+/-0.302 χ^2/NDF:318852.0/23

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: 1851.055+/-0.215 χ^2/NDF: 387620.2/45

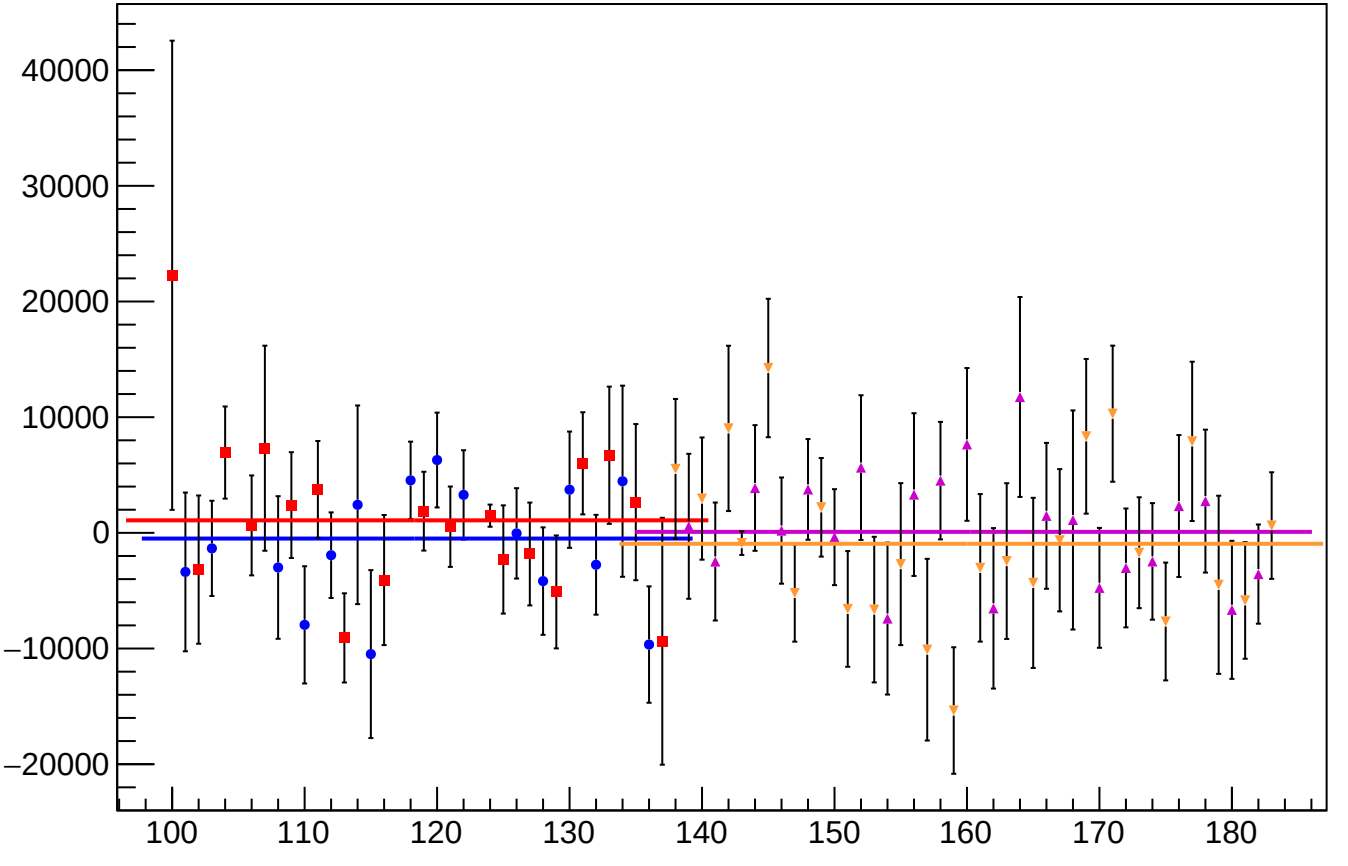
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1816.134+/-0.257 χ^2/NDF:764798.1/37

Out: 1825.350+/-0.253 χ^2/NDF:656909.6/42

All: 1820.828+/-0.180 χ^2/NDF: 1422360.2/80

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: -945.367+/-775.344 χ^2/NDF:32.8/23

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 85.518+/-1189.255 χ^2/NDF:12.4/21

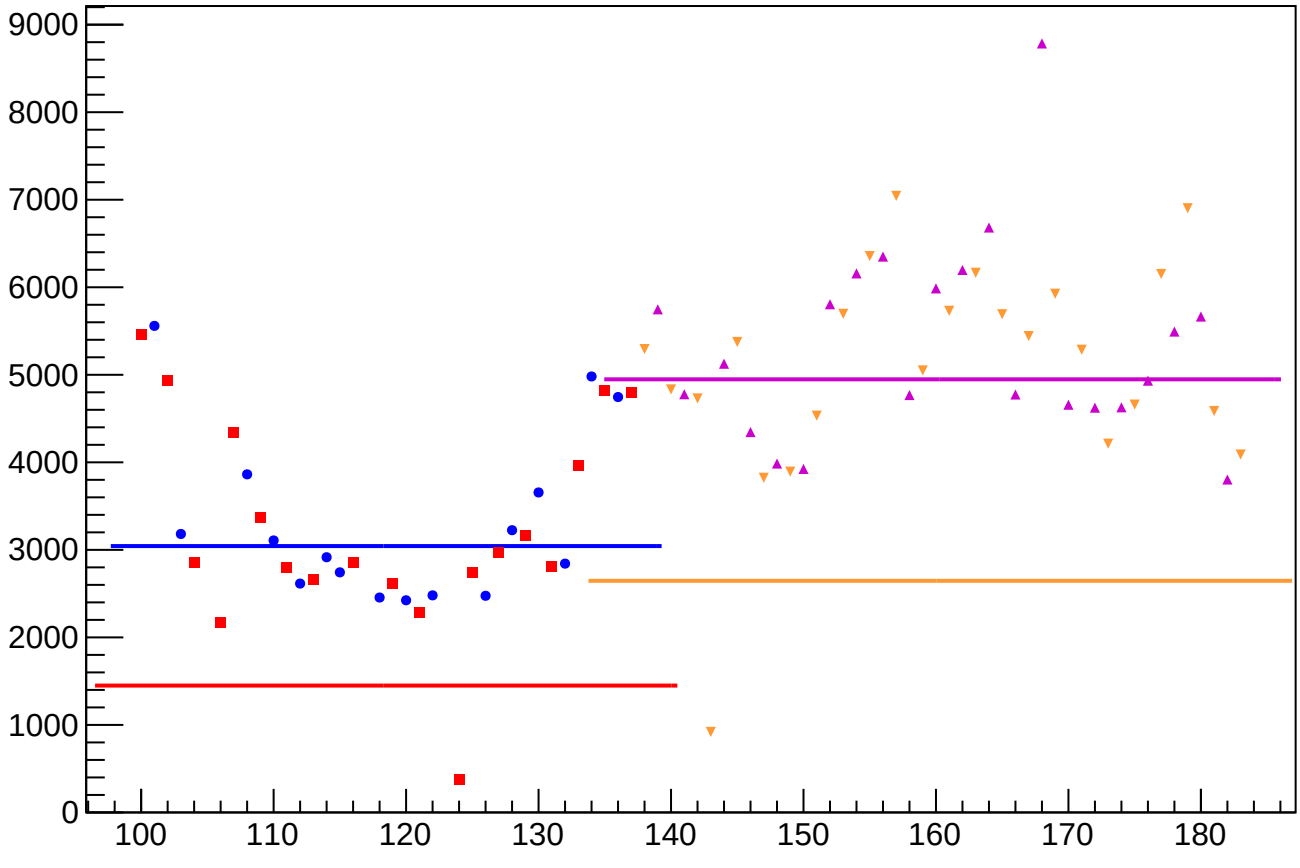
Left: -637.885+/-649.501 χ^2/NDF: 45.7/45

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -207.620+/-835.210 χ^2/NDF:28.5/37

Out: 126.745+/-532.058 χ^2/NDF:54.8/42

All: 30.225+/-448.740 χ^2/NDF: 83.5/80



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2646.564+/-0.548 χ^2/NDF:14471904.7/23

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4948.198+/-0.841 χ^2/NDF:1212477.5/21

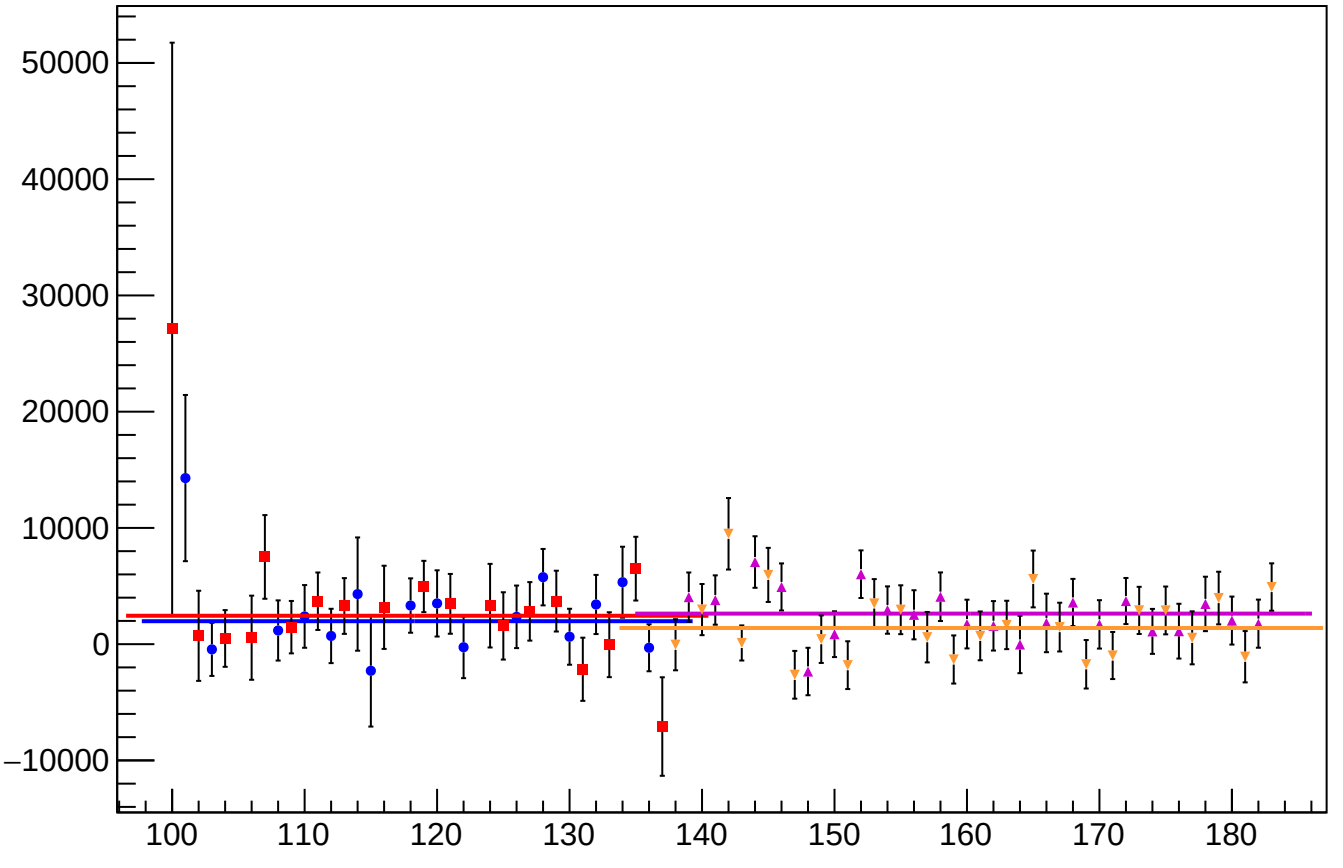
Left: 3333.072+/-0.459 χ^2/NDF: 20941199.9/45

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3982.821+/-0.591 χ^2/NDF:4718631.0/37

Out: 2013.205+/-0.376 χ^2/NDF:23819952.8/42

All: 2581.769+/-0.317 χ^2/NDF: 36450360.7/8



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1390.661+/-430.541 χ^2/NDF:35.9/23

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: 1980.693+/-311.406 χ^2/NDF: 59.7/45

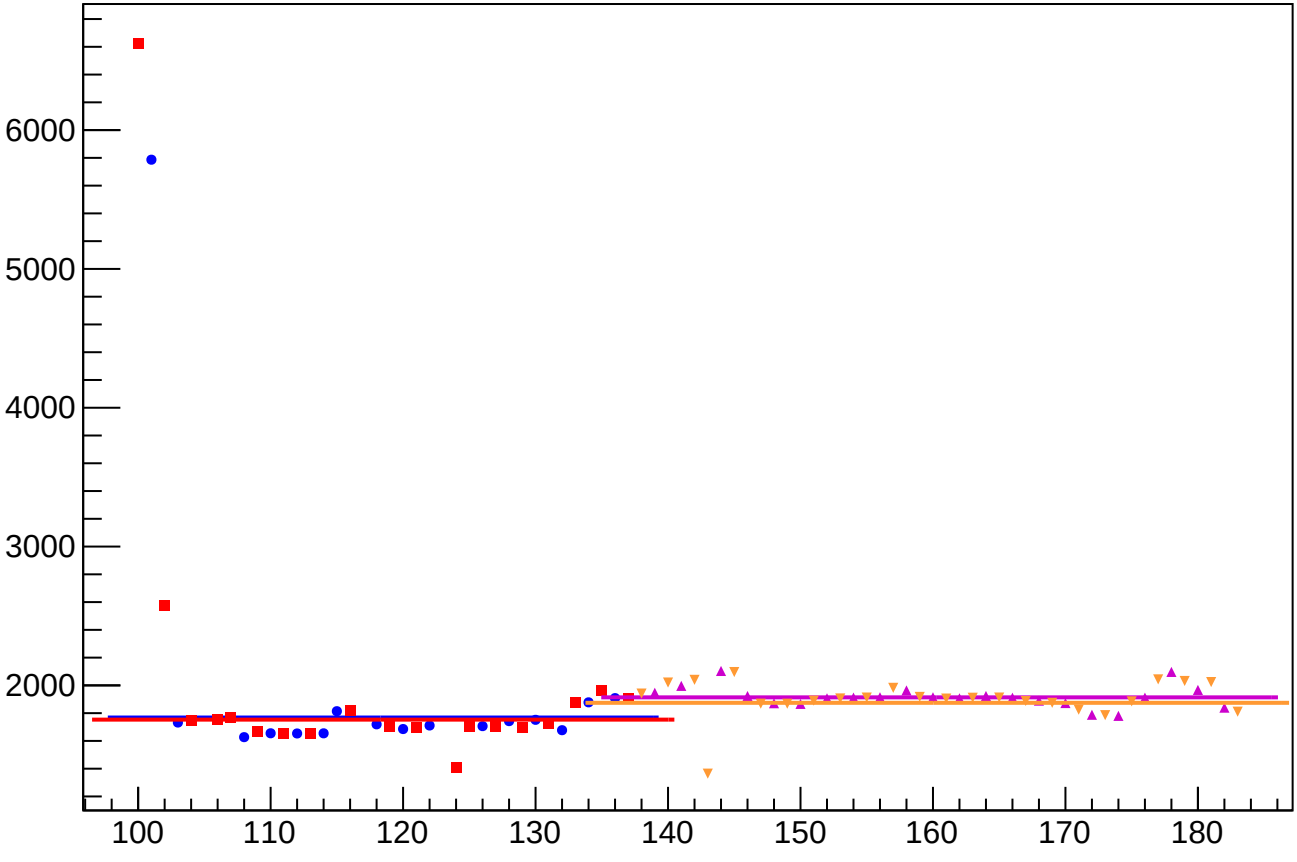
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2426.361+/-374.816 χ^2/NDF:32.9/37

Out: 1706.709+/-360.220 χ^2/NDF:55.1/42

All: 2052.250+/-259.721 χ^2/NDF: 90.0/80

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1874.490+/-0.304 χ^2/NDF:308482.9/23

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: 1893.226+/-0.220 χ^2/NDF: 372626.4/45

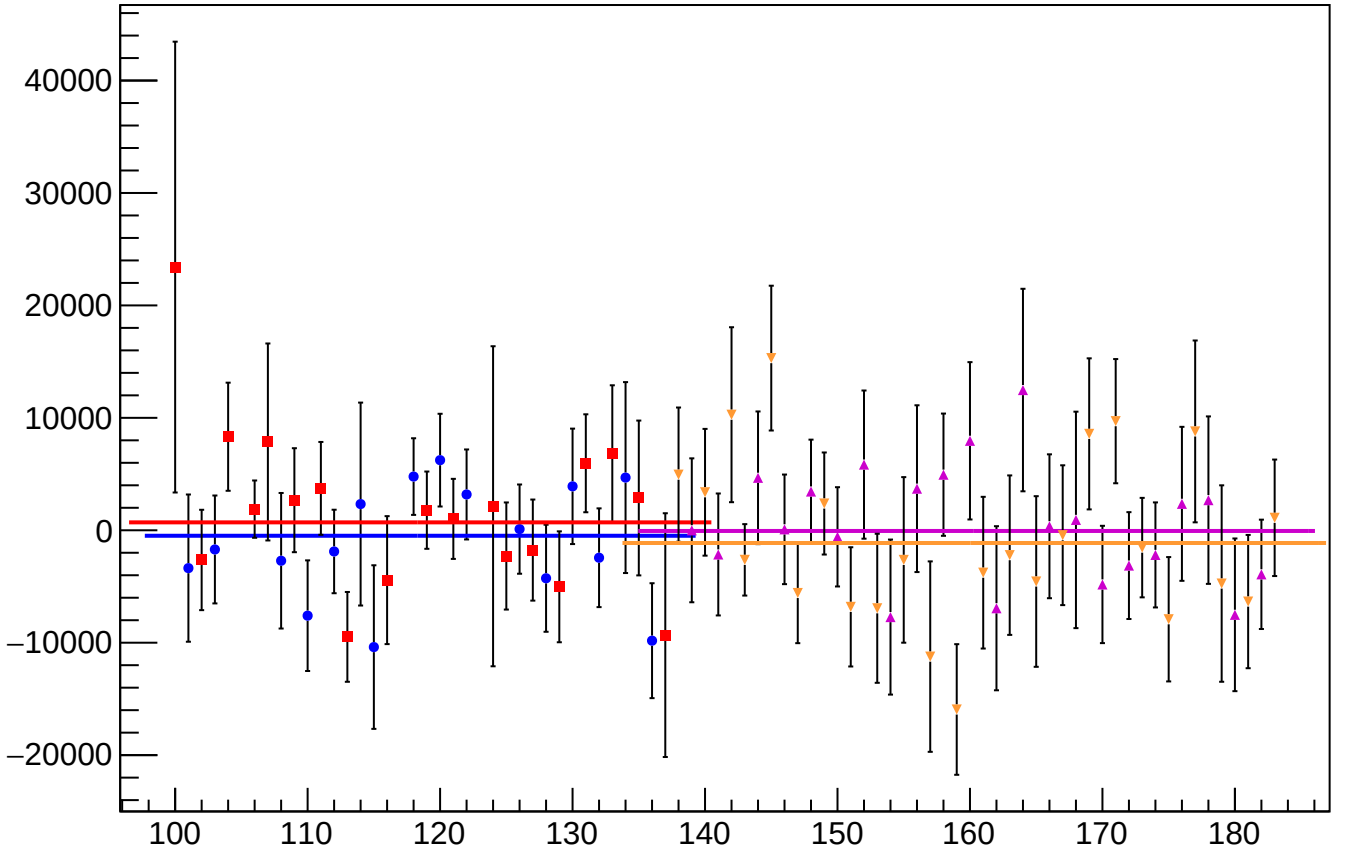
Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1868.858+/-0.265 χ^2/NDF:787763.6/37

Out: 1838.024+/-0.255 χ^2/NDF:574996.5/42

All: 1852.816+/-0.184 χ^2/NDF: 1369801.8/80

asym_atr1l2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1130.902+/-1165.369 χ^2/NDF:32.5/23

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: -61.364+/-1249.500 χ^2/NDF:12.2/21

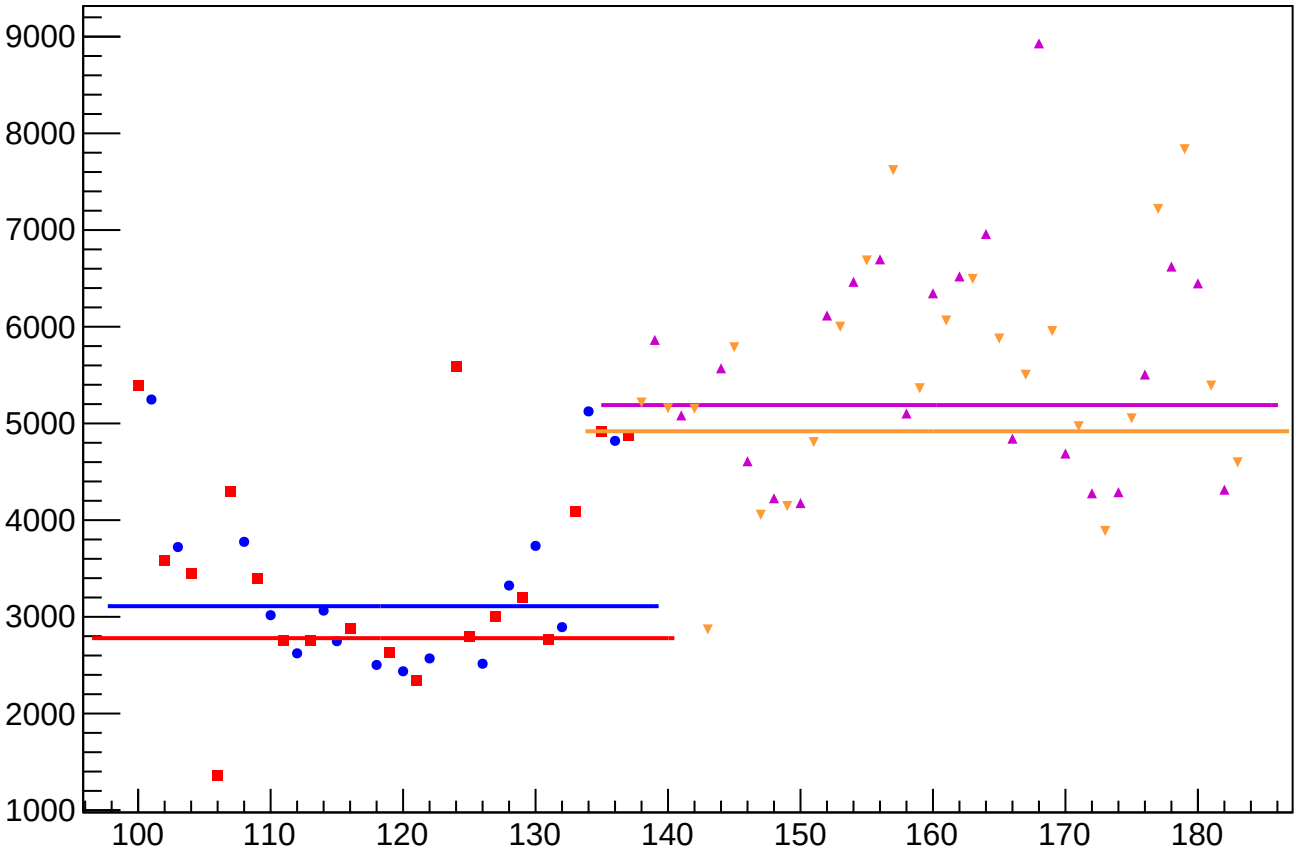
Left: -633.349+/-852.232 χ^2/NDF: 45.1/45

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -283.620+/-864.937 χ^2/NDF:28.0/37

Out: -135.223+/-787.954 χ^2/NDF:52.7/42

All: -202.525+/-582.486 χ^2/NDF: 80.8/80



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4919.037+/-0.824 χ^2/NDF:2164887.4/23

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5189.807+/-0.884 χ^2/NDF:1327658.8/21

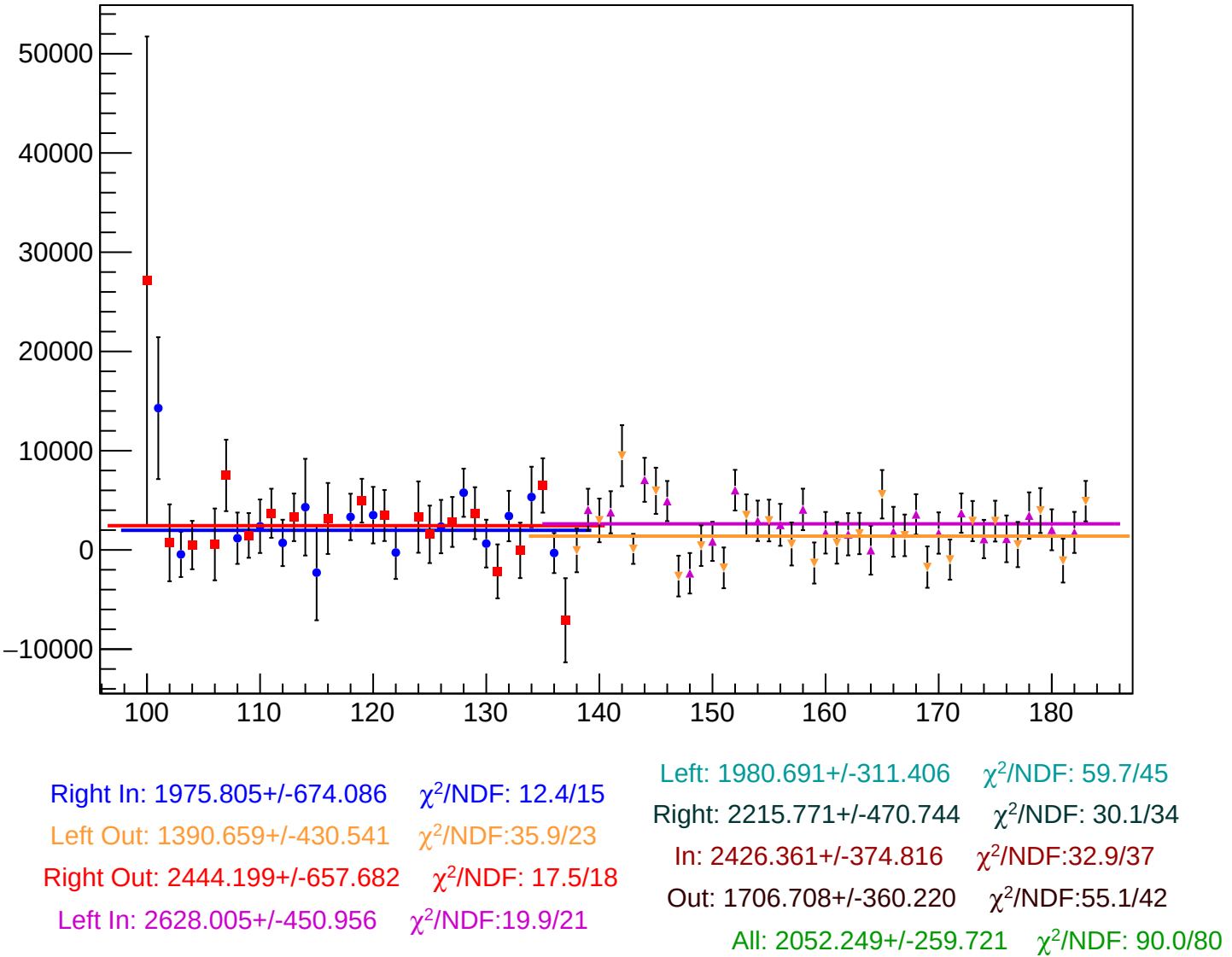
Left: 5045.000+/-0.603 χ^2/NDF: 3542774.3/45

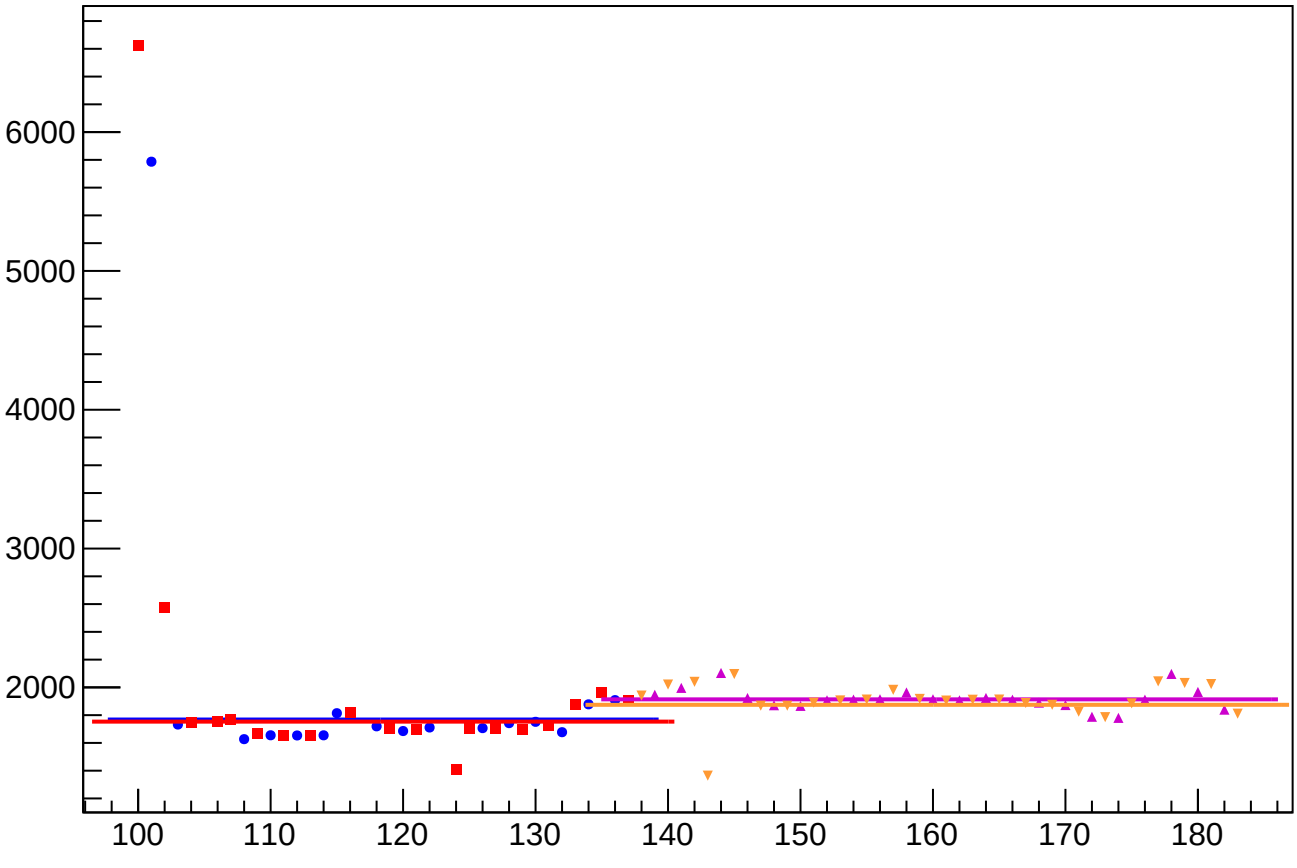
Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 4106.667+/-0.612 χ^2/NDF:5096529.8/37

Out: 3757.695+/-0.557 χ^2/NDF:7171977.9/42

All: 3915.963+/-0.412 χ^2/NDF: 12446421.7/8


eigen_dit_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: 1975.805+/-674.086 χ²/NDF: 12.4/15
Left Out: 1390.659+/-430.541 χ²/NDF:35.9/23
Right Out: 2444.199+/-657.682 χ²/NDF: 17.5/18
Left In: 2628.005+/-450.956 χ²/NDF:19.9/21
Left: 1980.691+/-311.406 χ²/NDF: 59.7/45
Right: 2215.771+/-470.744 χ²/NDF: 30.1/34
In: 2426.361+/-374.816 χ²/NDF:32.9/37
Out: 1706.708+/-360.220 χ²/NDF:55.1/42
All: 2052.249+/-259.721 χ²/NDF: 90.0/80



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1874.490+/-0.304 χ^2/NDF:308486.4/23

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: 1893.227+/-0.220 χ^2/NDF: 372632.2/45

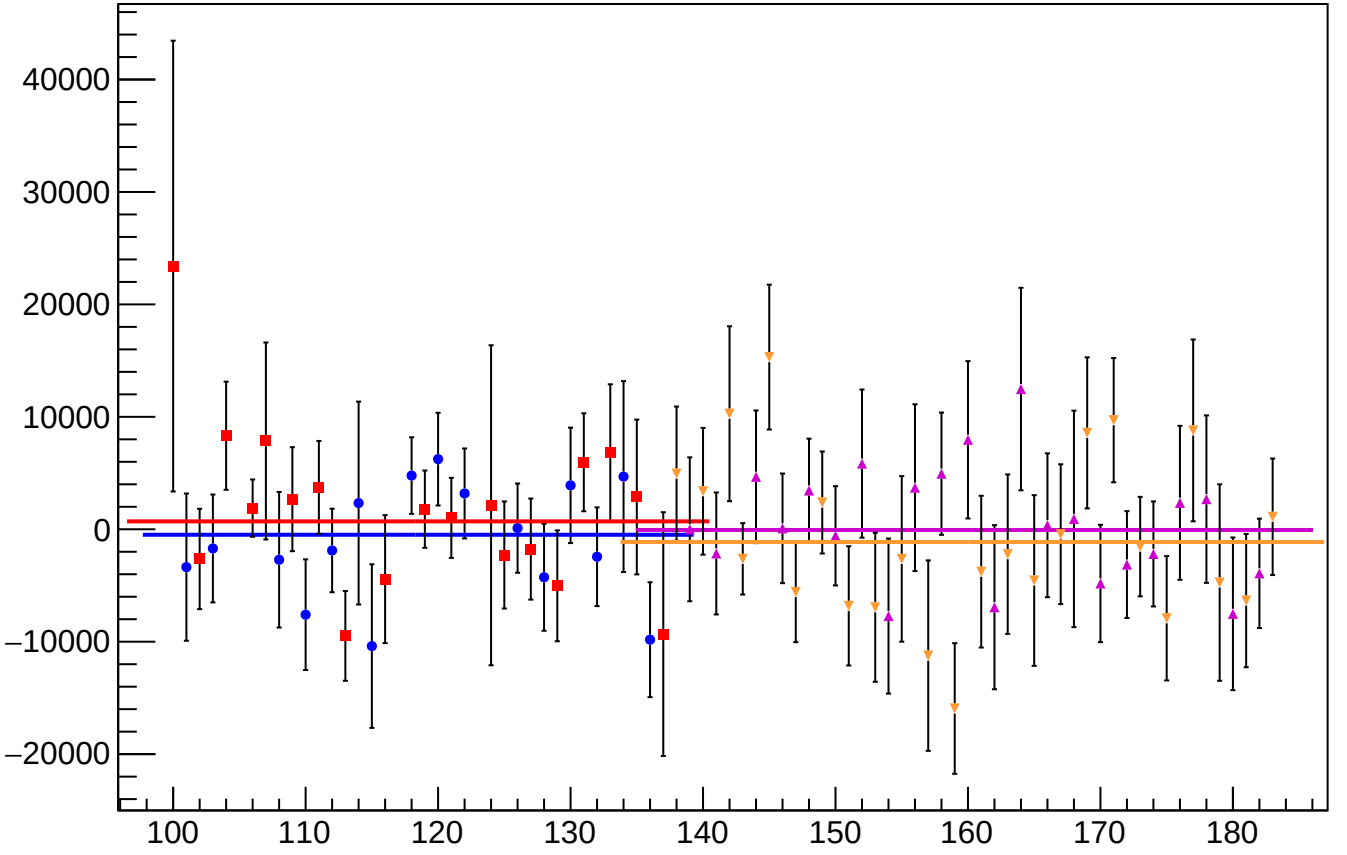
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1868.859+/-0.265 χ^2/NDF:787766.9/37

Out: 1838.024+/-0.255 χ^2/NDF:575001.0/42

All: 1852.817+/-0.184 χ^2/NDF: 1369809.4/80

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: -1130.908+/-1165.371 χ^2/NDF:32.5/23

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: -61.365+/-1249.502 χ^2/NDF:12.2/21

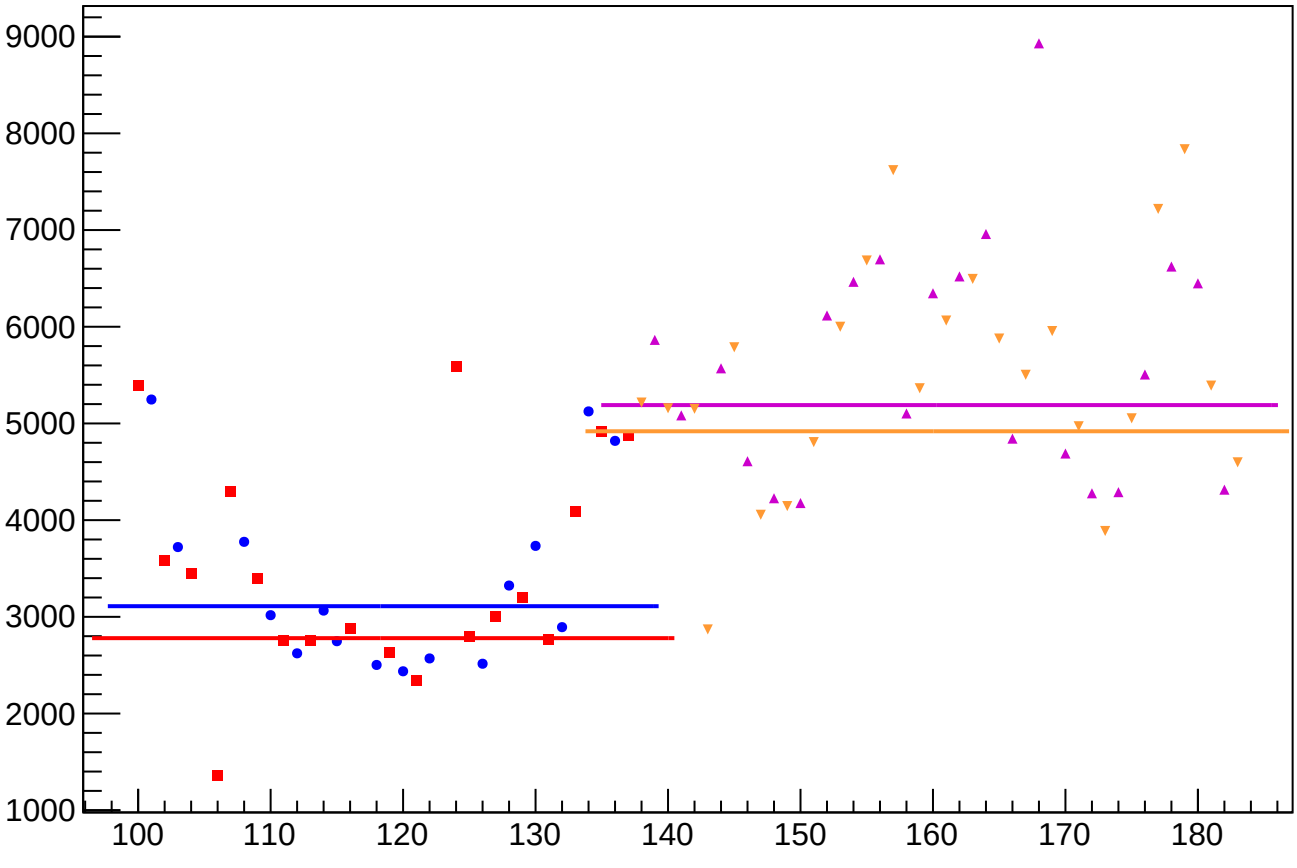
Left: -633.353+/-852.233 χ^2/NDF: 45.1/45

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -283.618+/-864.937 χ^2/NDF:28.0/37

Out: -135.220+/-787.953 χ^2/NDF:52.7/42

All: -202.522+/-582.485 χ^2/NDF: 80.8/80



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4919.043+/-0.824 χ^2/NDF:2164894.5/23

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5189.814+/-0.884 χ^2/NDF:1327660.9/21

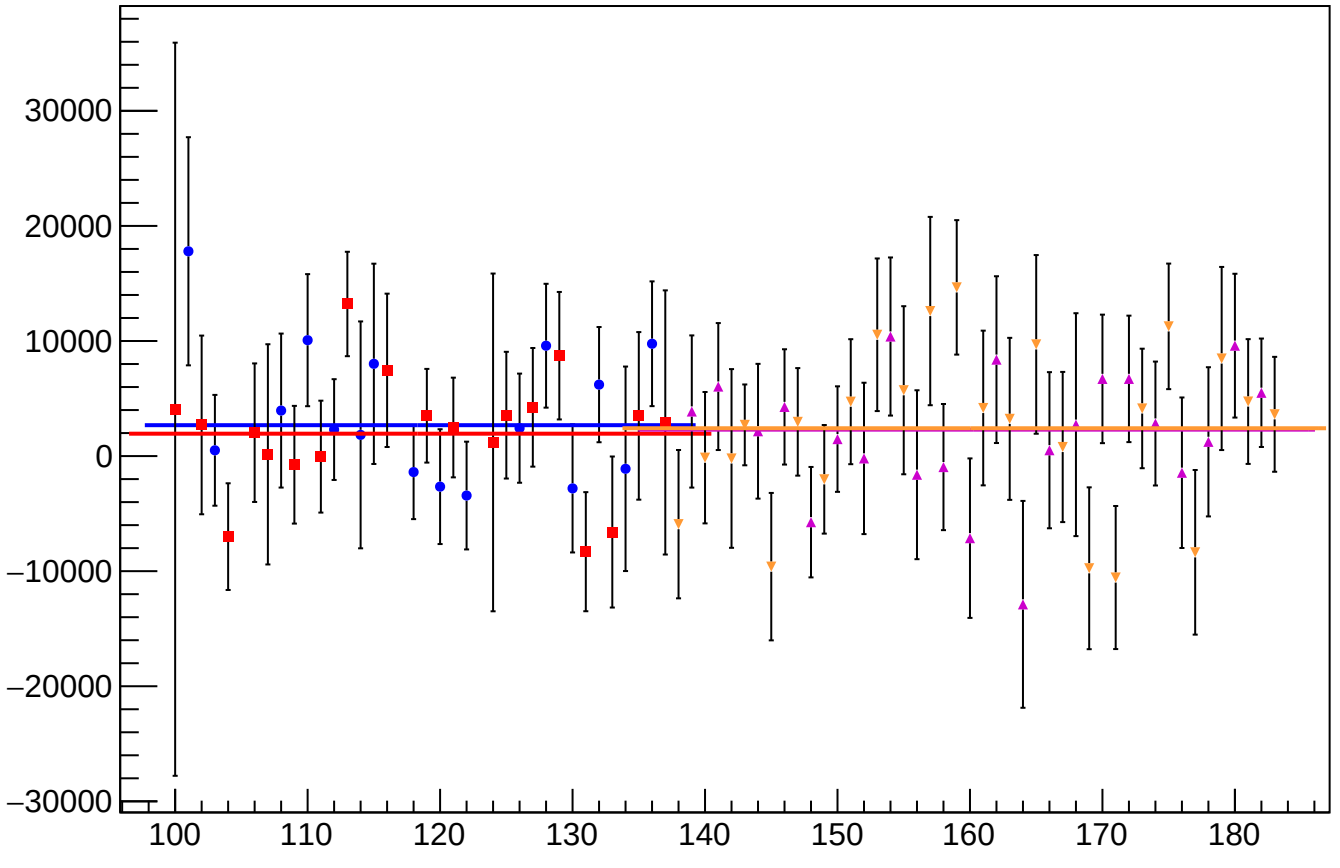
Left: 5045.007+/-0.603 χ^2/NDF: 3542783.8/45

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 4106.660+/-0.612 χ^2/NDF:5096598.3/37

Out: 3757.686+/-0.557 χ^2/NDF:7172077.5/42

All: 3915.954+/-0.412 χ^2/NDF: 12446592.9/8



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2418.459+/-1198.796 χ^2/NDF:28.5/23

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: 2361.689+/-873.721 χ^2/NDF: 43.1/45

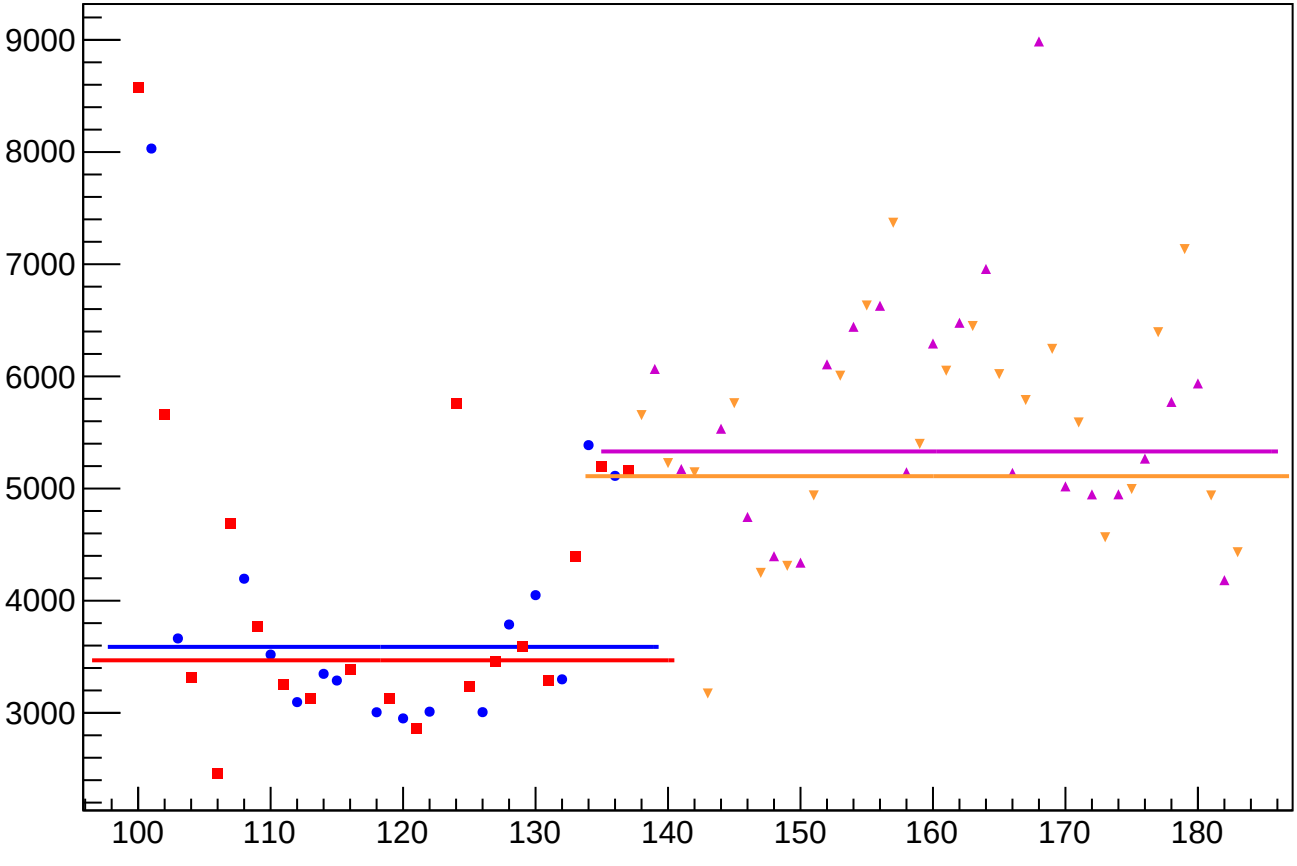
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2476.243+/-936.882 χ^2/NDF:28.1/37

Out: 2207.060+/-891.354 χ^2/NDF:47.2/42

All: 2334.952+/-645.778 χ^2/NDF: 75.4/80

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5110.289+/-0.848 χ^2/NDF:1533004.2/23

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5330.726+/-0.902 χ^2/NDF:984115.4/21

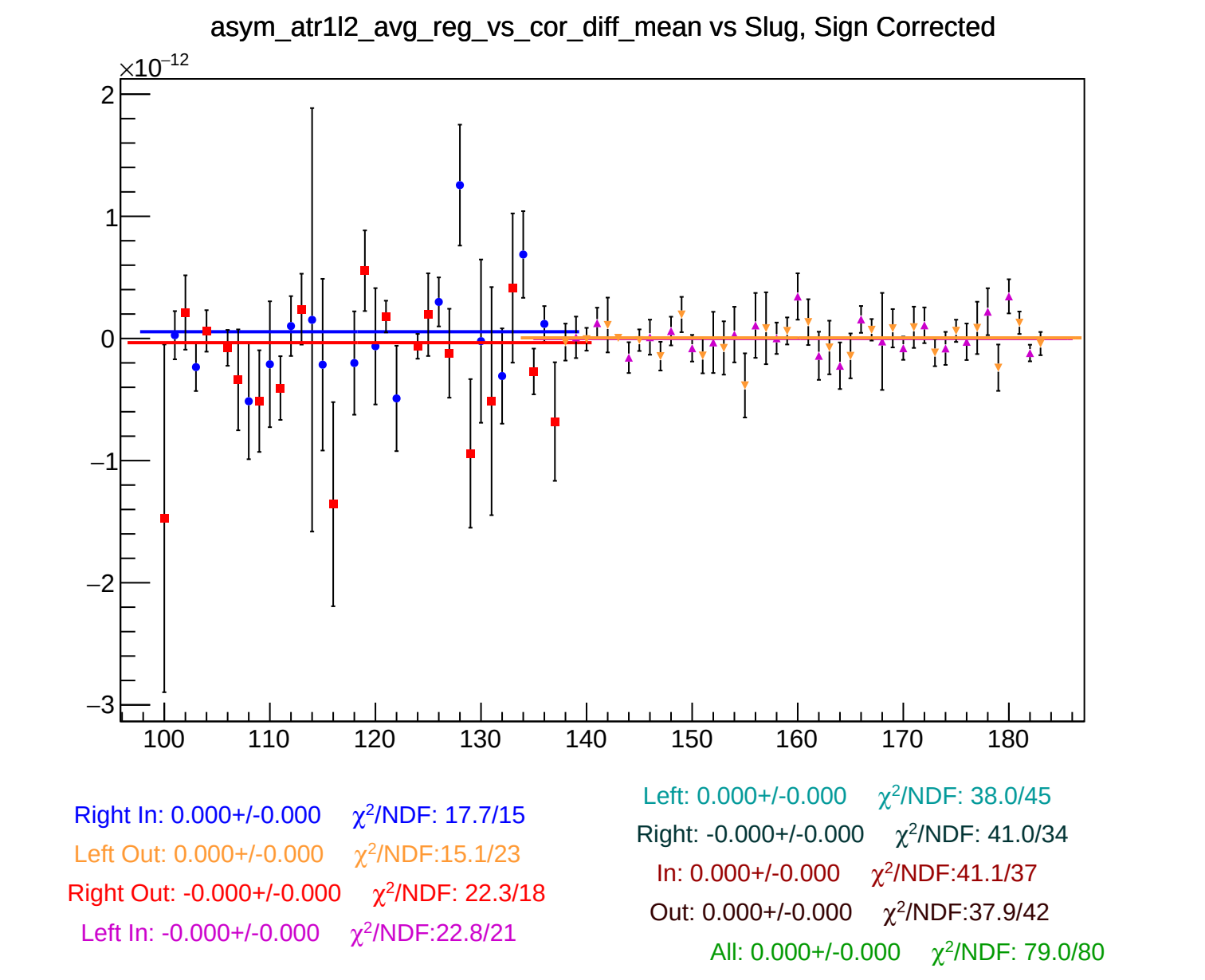
Left: 5213.630+/-0.618 χ^2/NDF: 2548822.5/45

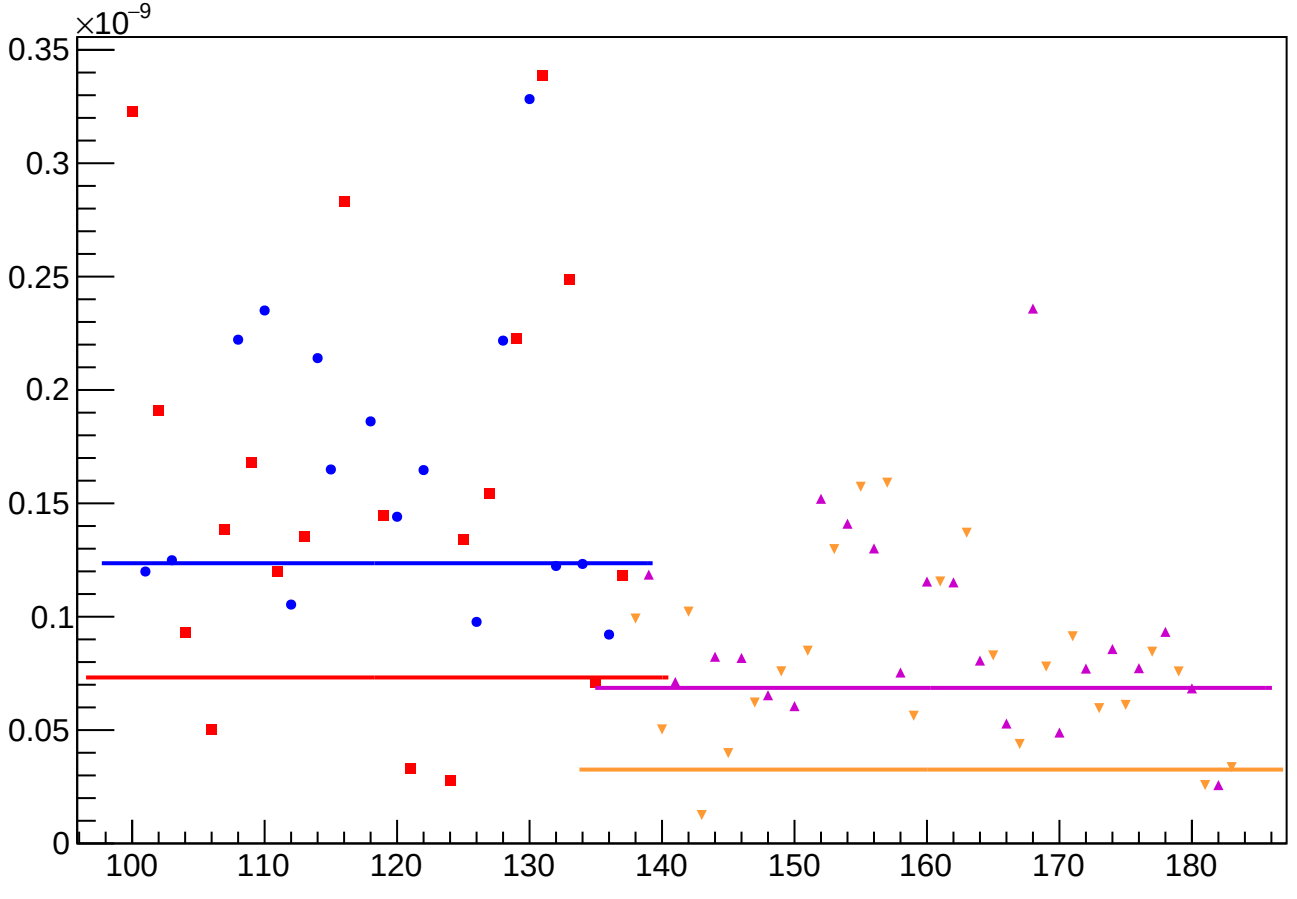
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4527.582+/-0.662 χ^2/NDF:3547992.8/37

Out: 4363.785+/-0.626 χ^2/NDF:3905062.2/42

All: 4441.043+/-0.455 χ^2/NDF: 7485353.2/80


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:15.1/23
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: 38.0/45
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:37.9/42
All: 0.000+/-0.000 χ²/NDF: 79.0/80



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6122238.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2364083.7/21

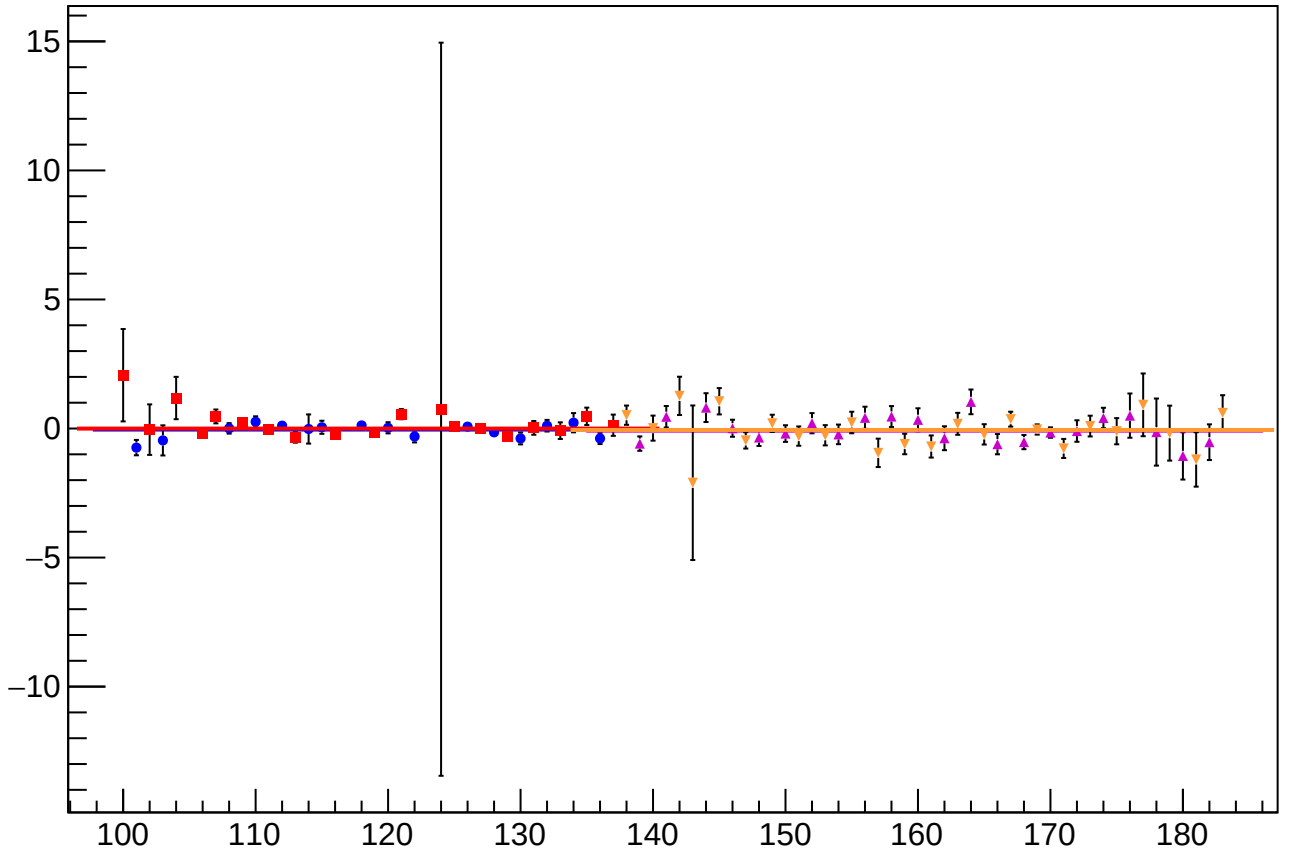
Left: 0.000+/-0.000 χ^2/NDF: 10775557.3/45

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:9364711.3/42

All: 0.000+/-0.000 χ^2/NDF: 16524375.4/80



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.056+/-0.084 χ^2/NDF:30.2/23

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.082+/-0.081 χ^2/NDF:27.0/21

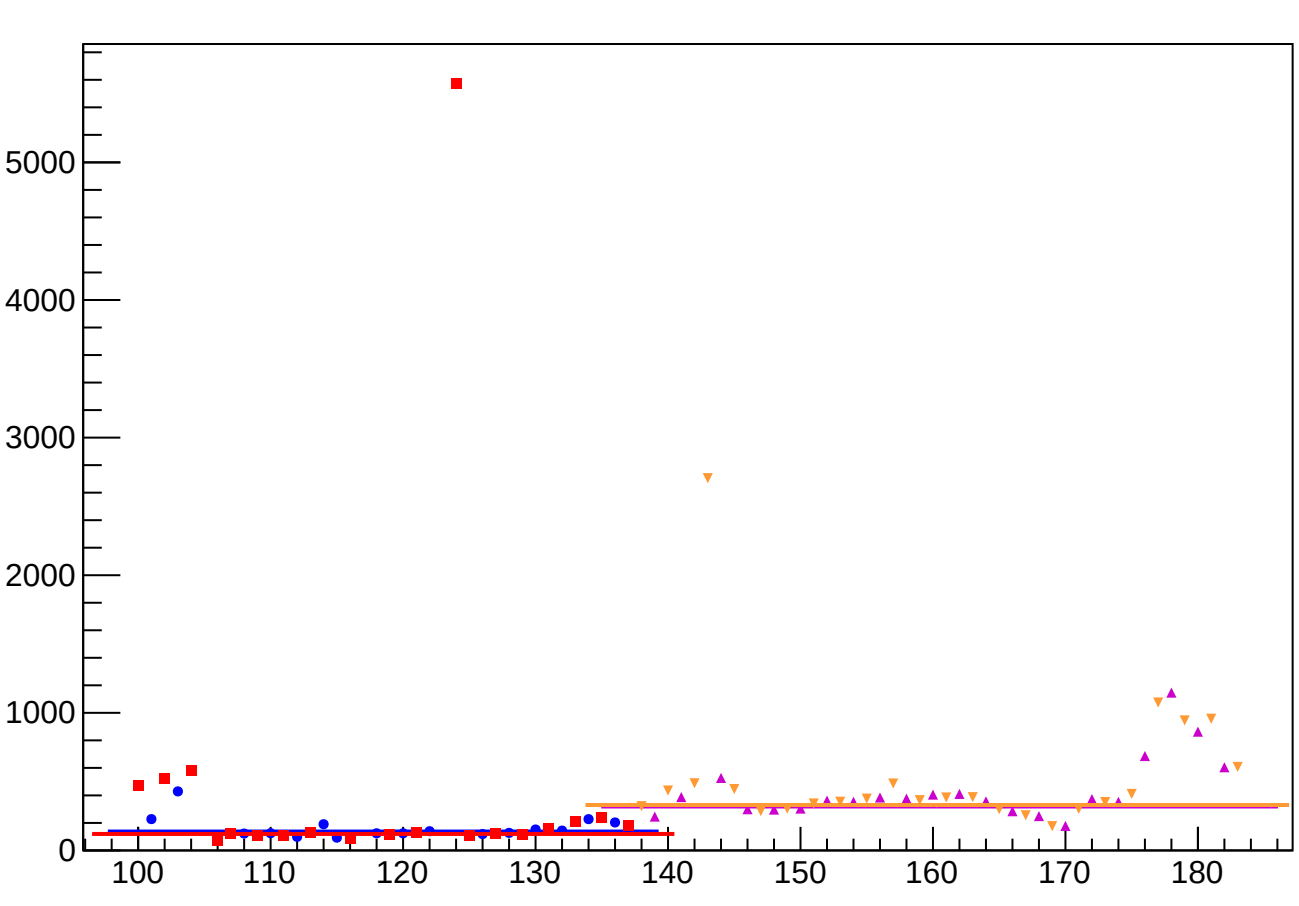
Left: -0.070+/-0.058 χ^2/NDF: 57.2/45

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.046 χ^2/NDF:45.1/37

Out: -0.017+/-0.044 χ^2/NDF:59.2/42

All: -0.034+/-0.032 χ^2/NDF: 104.6/80



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 330.303+/-0.059 χ^2/NDF:5739924.3/23

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: 324.670+/-0.041 χ^2/NDF: 9932471.3/45

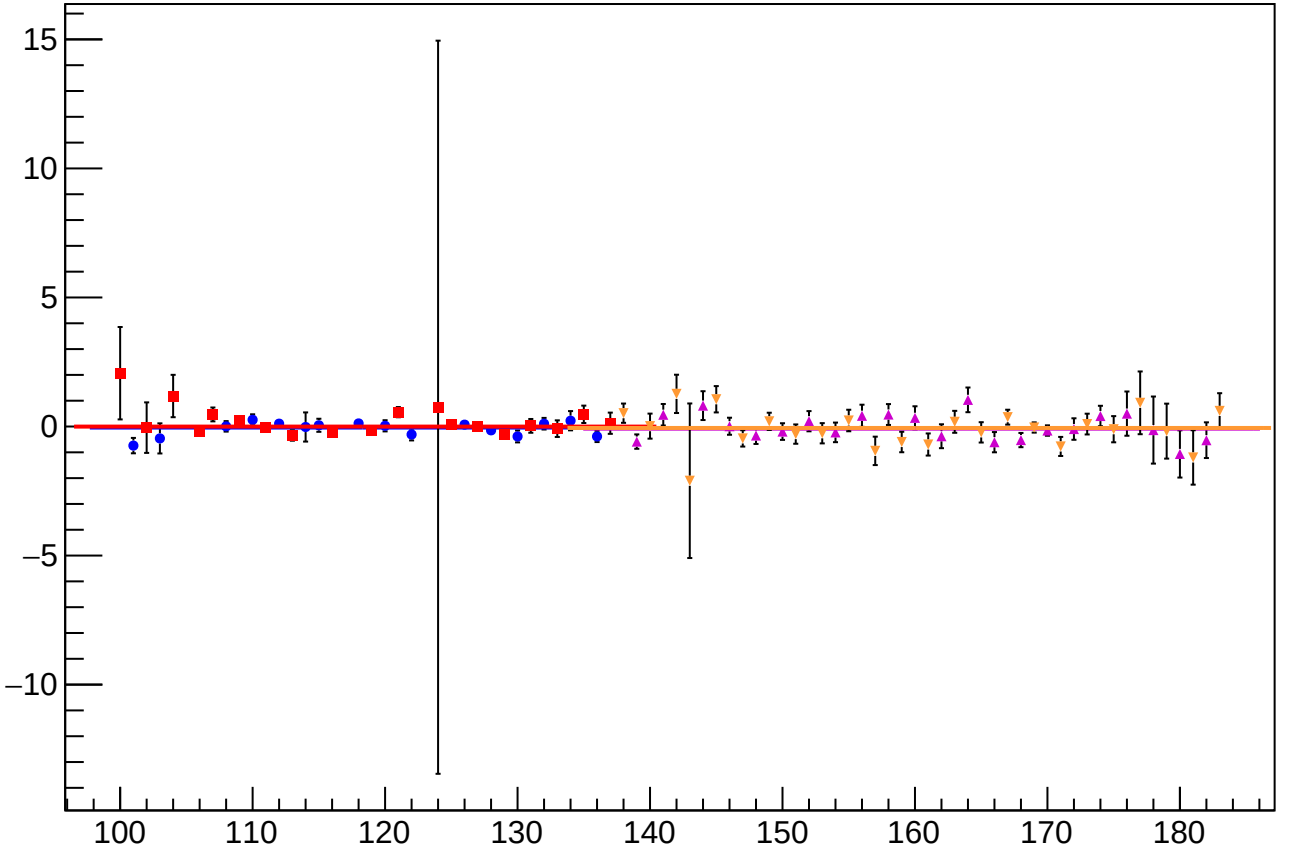
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 195.532+/-0.033 χ^2/NDF:12232811.5/37

Out: 176.612+/-0.031 χ^2/NDF:17059931.3/42

All: 185.542+/-0.022 χ^2/NDF: 29471018.5/80

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: -0.056+/-0.084 χ^2/NDF:30.2/23

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: -0.070+/-0.058 χ^2/NDF: 57.2/45

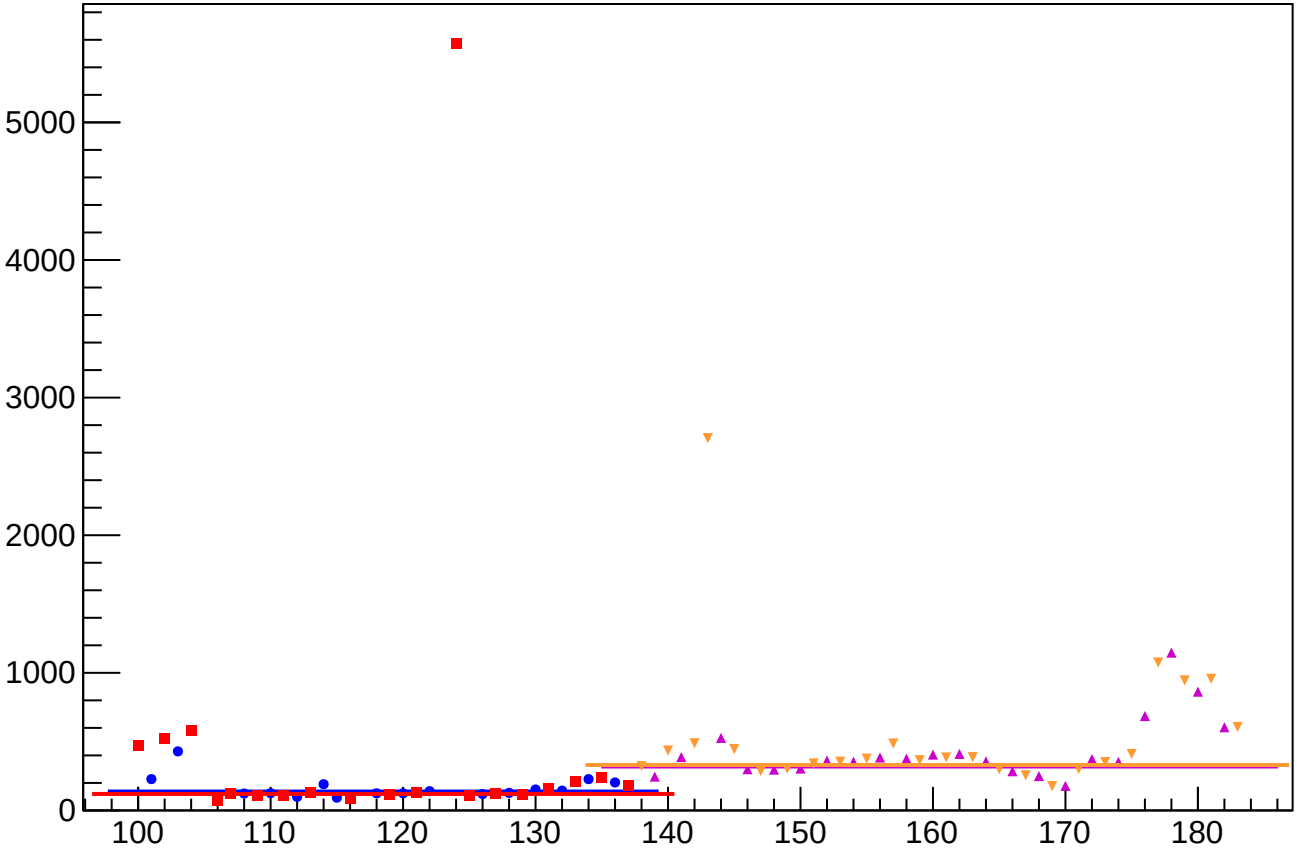
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.046 χ^2/NDF:45.1/37

Out: -0.017+/-0.044 χ^2/NDF:59.2/42

All: -0.034+/-0.032 χ^2/NDF: 104.6/80

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 330.303+/-0.059 χ^2/NDF:5739924.3/23

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 319.360+/-0.058 χ^2/NDF:4175037.0/21

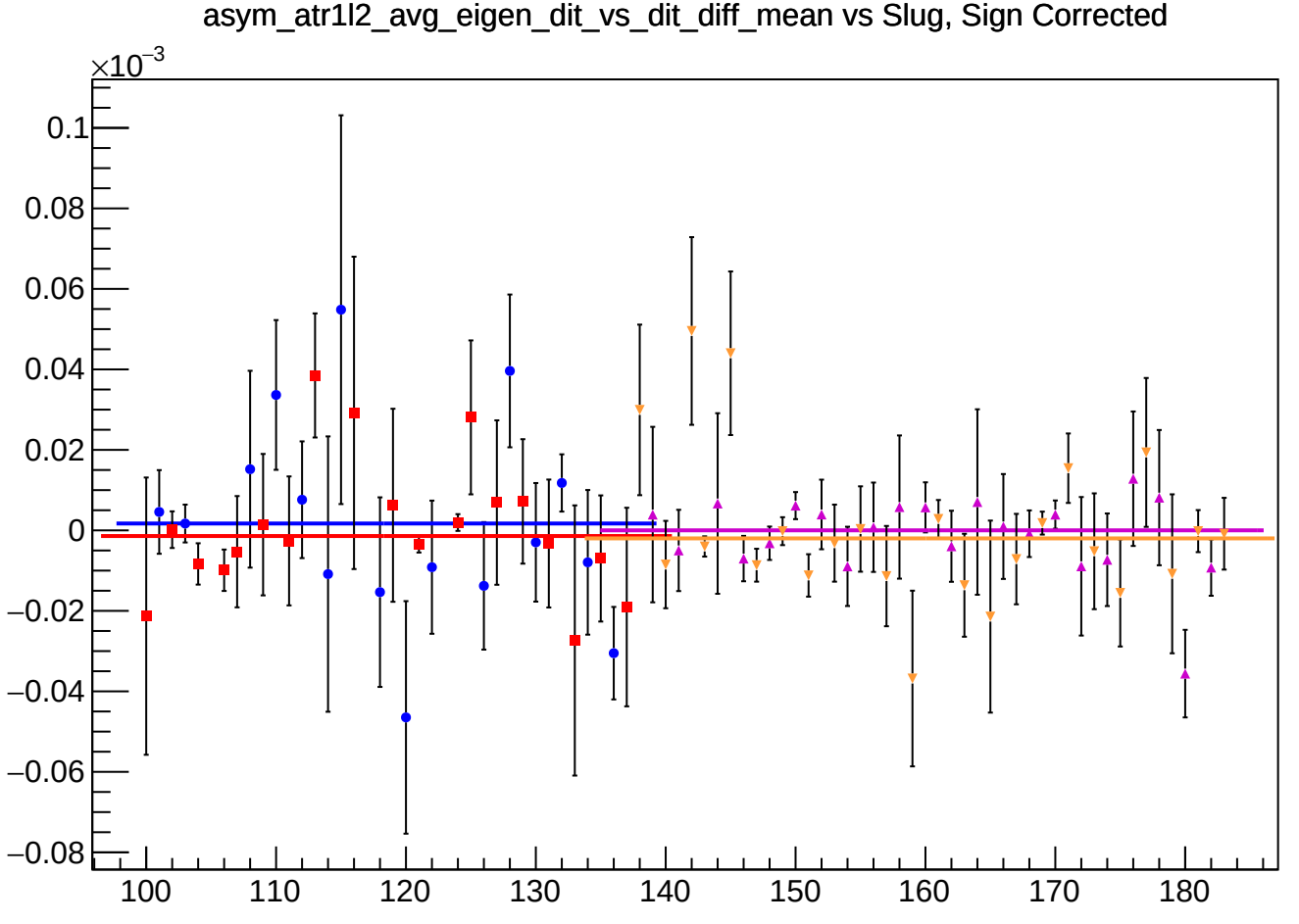
Left: 324.670+/-0.041 χ^2/NDF: 9932471.3/45

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 195.532+/-0.033 χ^2/NDF:12232811.5/37

Out: 176.612+/-0.031 χ^2/NDF:17059931.3/42

All: 185.542+/-0.022 χ^2/NDF: 29471018.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:23.3/21

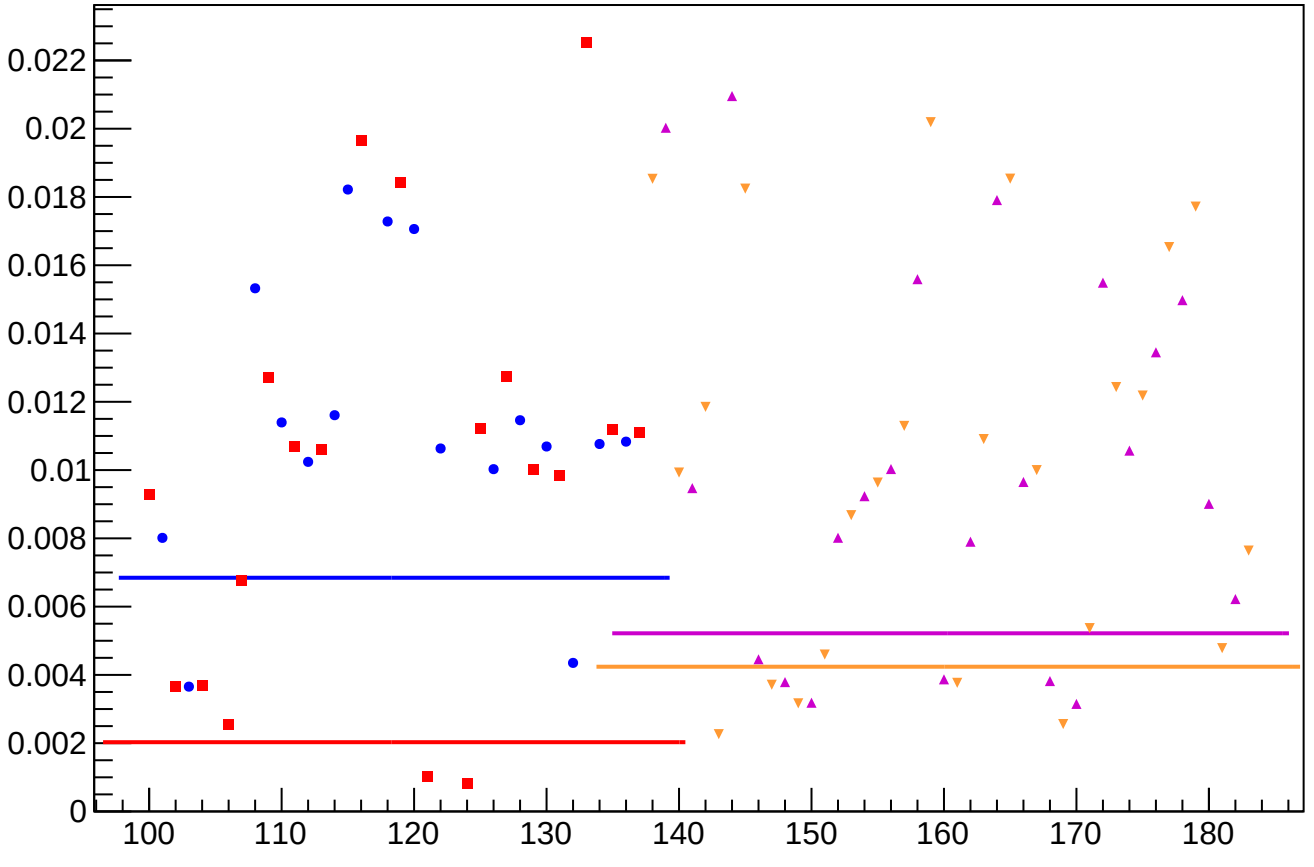
Left: -0.000+/-0.000 χ^2/NDF: 58.2/45

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:54.2/42

All: -0.000+/-0.000 χ^2/NDF: 103.2/80



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:12768967.3/23

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: 22645871.5/45

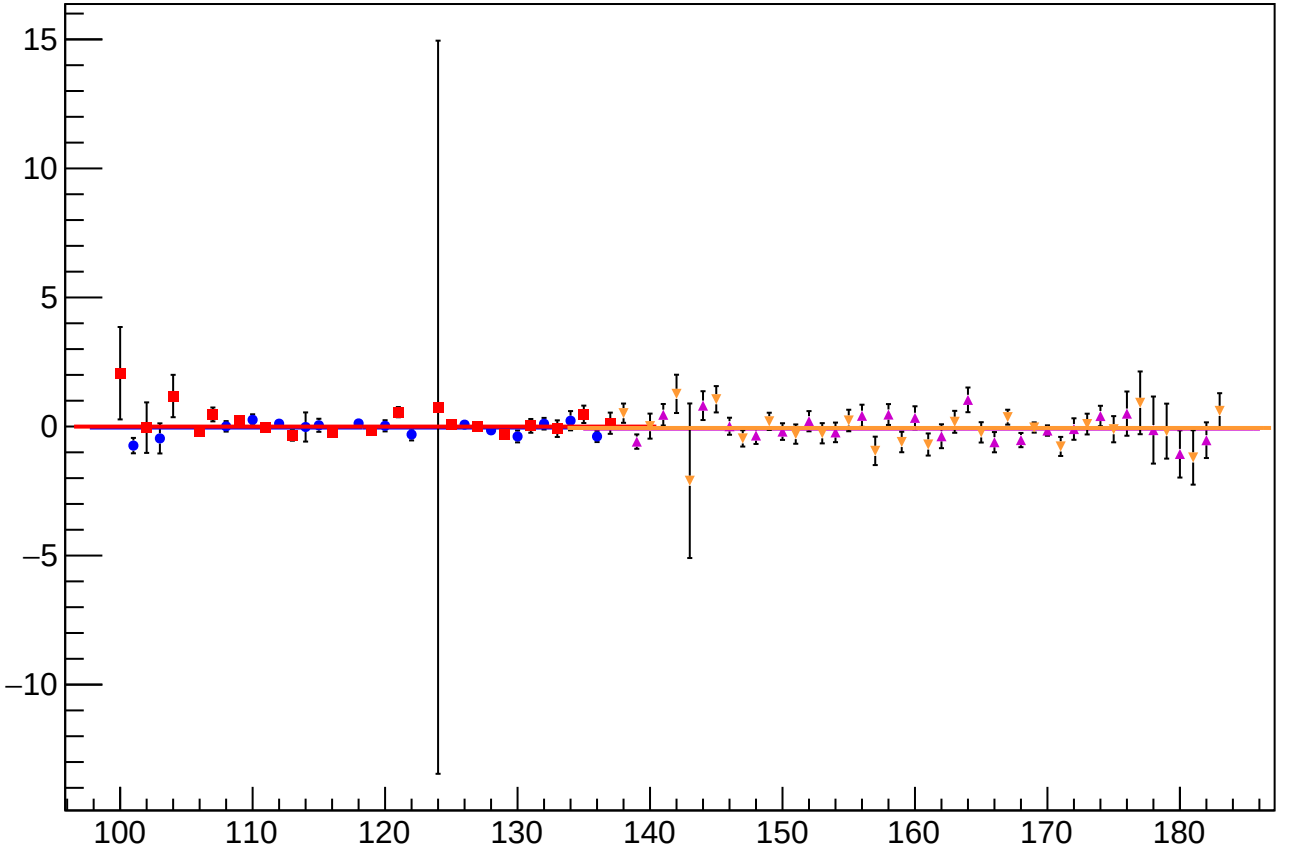
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.006+/-0.000 χ^2/NDF:13088142.4/37

Out: 0.003+/-0.000 χ^2/NDF:24895164.1/42

All: 0.004+/-0.000 χ^2/NDF: 42439383.7/80

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: -0.056+/-0.084 χ^2/NDF:30.2/23

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: -0.070+/-0.058 χ^2/NDF: 57.2/45

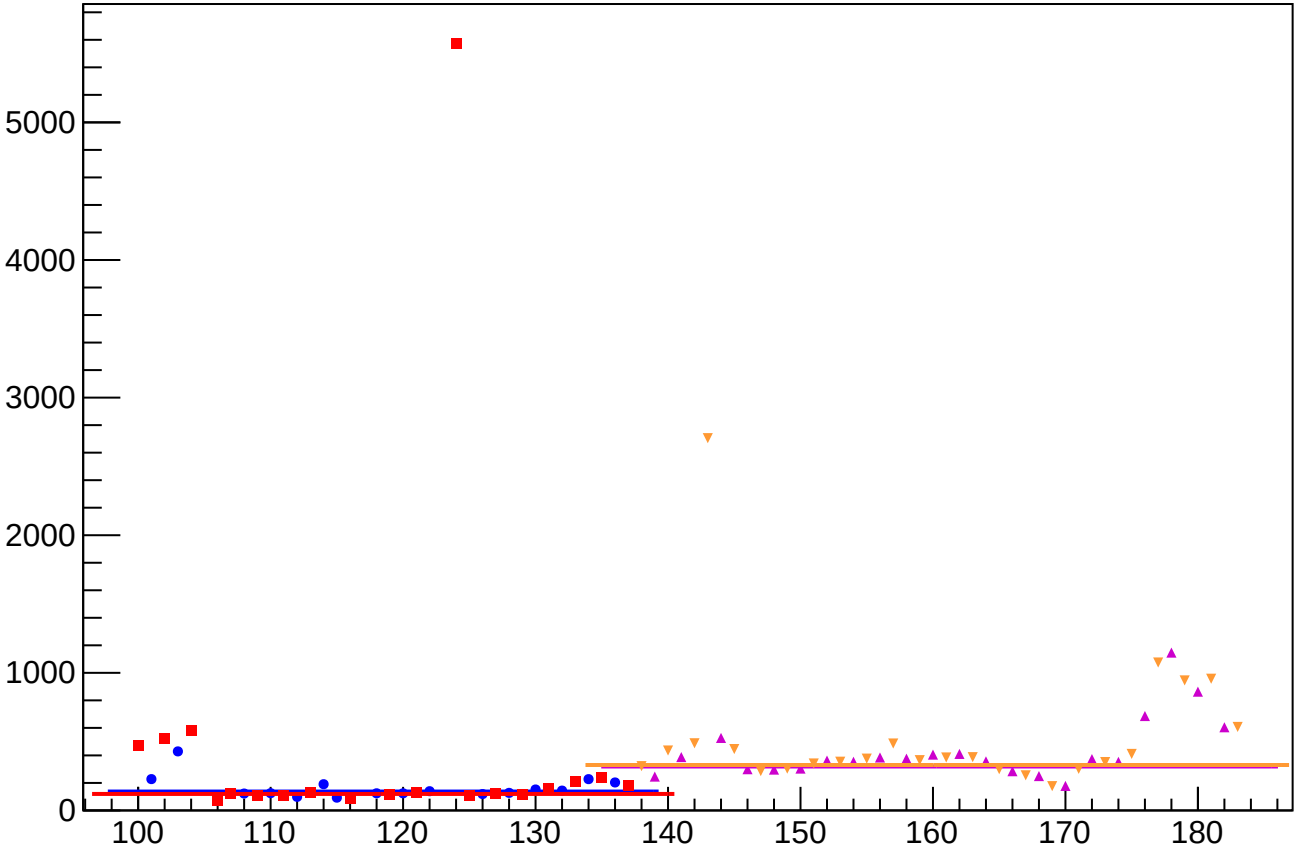
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.046 χ^2/NDF:45.1/37

Out: -0.017+/-0.044 χ^2/NDF:59.2/42

All: -0.034+/-0.032 χ^2/NDF: 104.6/80

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: 330.305+/-0.059 χ^2/NDF:5739979.3/23

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: 324.672+/-0.041 χ^2/NDF: 9932520.4/45

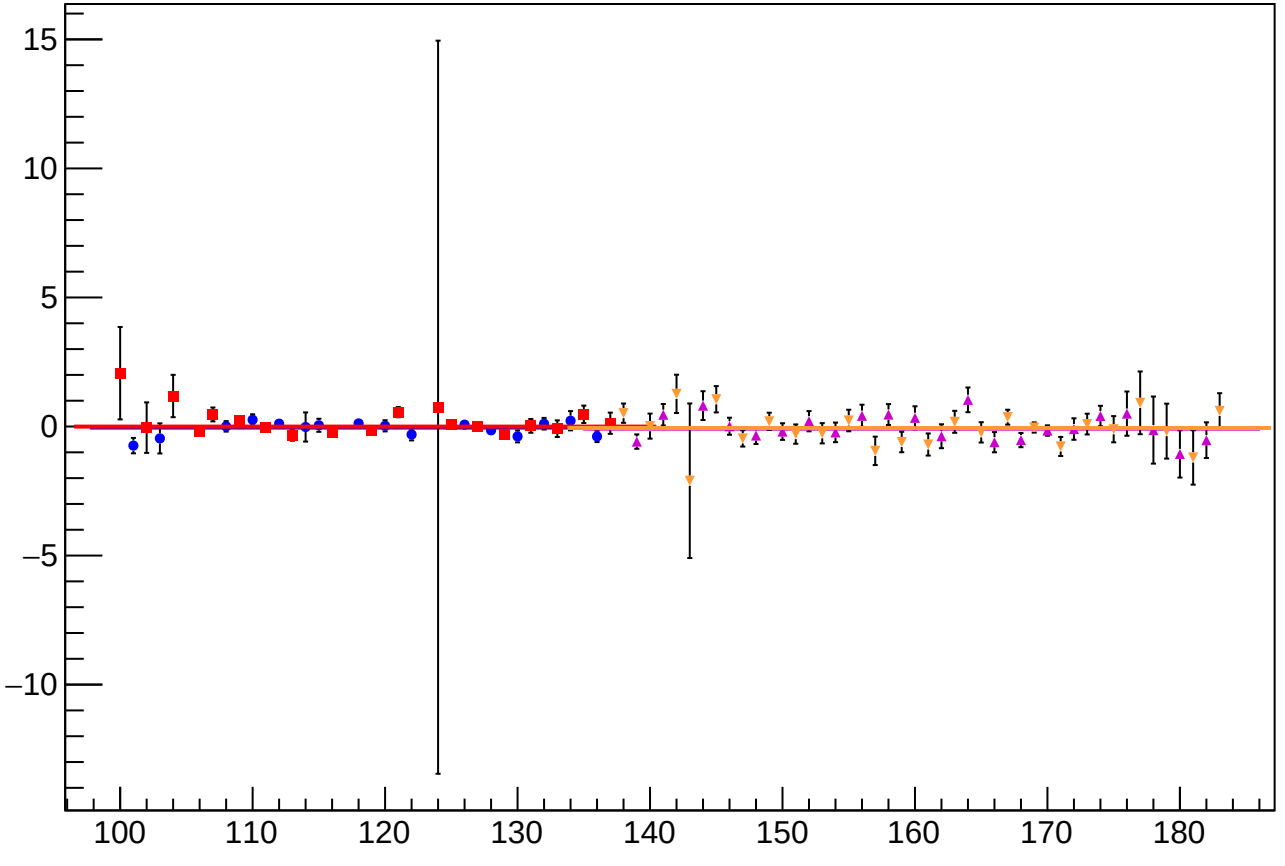
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 195.534+/-0.033 χ^2/NDF:12232787.3/37

Out: 176.612+/-0.031 χ^2/NDF:17059998.1/42

All: 185.543+/-0.022 χ^2/NDF: 29471085.6/80

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: -0.056+/-0.084 χ^2/NDF:30.2/23

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: -0.070+/-0.058 χ^2/NDF: 57.2/45

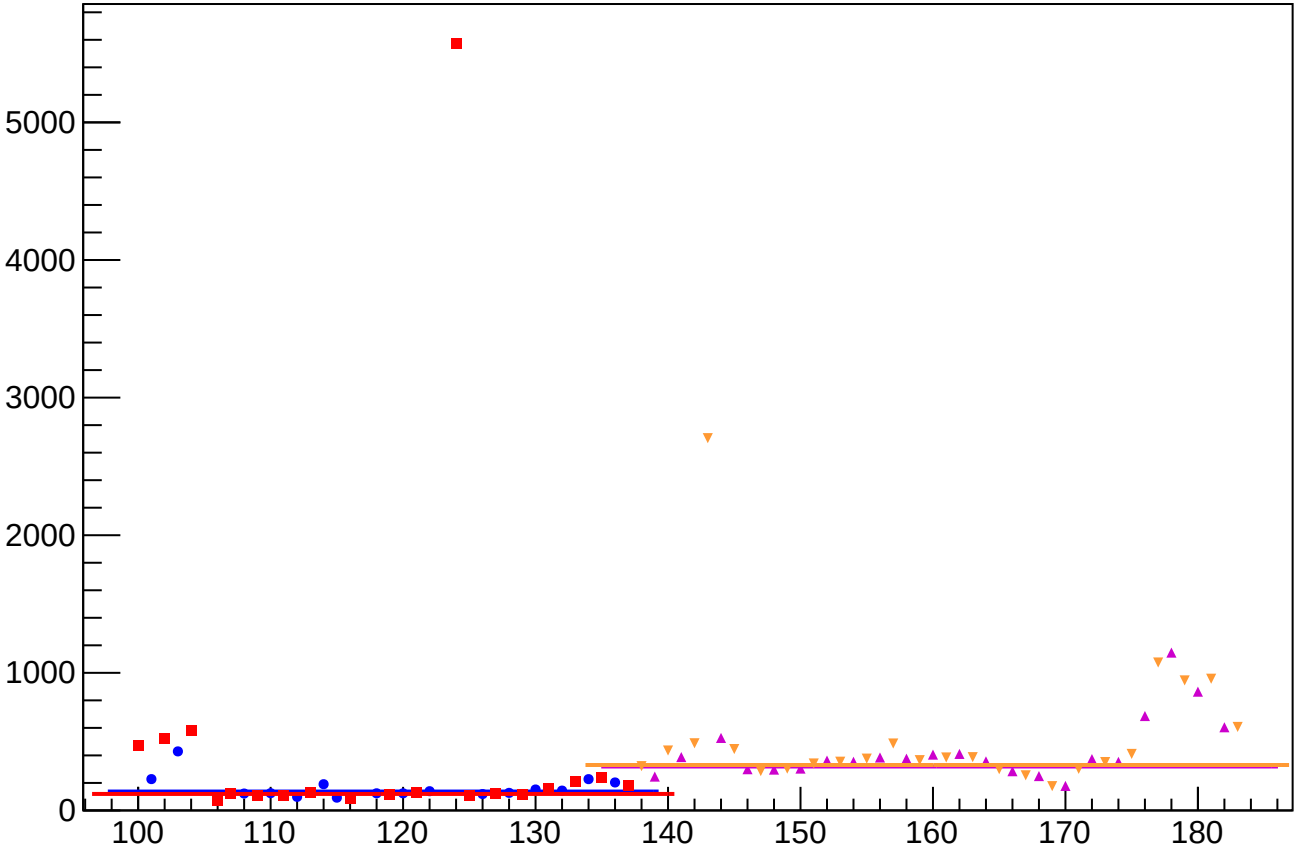
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.046 χ^2/NDF:45.1/37

Out: -0.017+/-0.044 χ^2/NDF:59.2/42

All: -0.034+/-0.032 χ^2/NDF: 104.6/80

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: 330.305+/-0.059 χ^2/NDF:5739979.3/23

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 319.363+/-0.058 χ^2/NDF:4175034.5/21

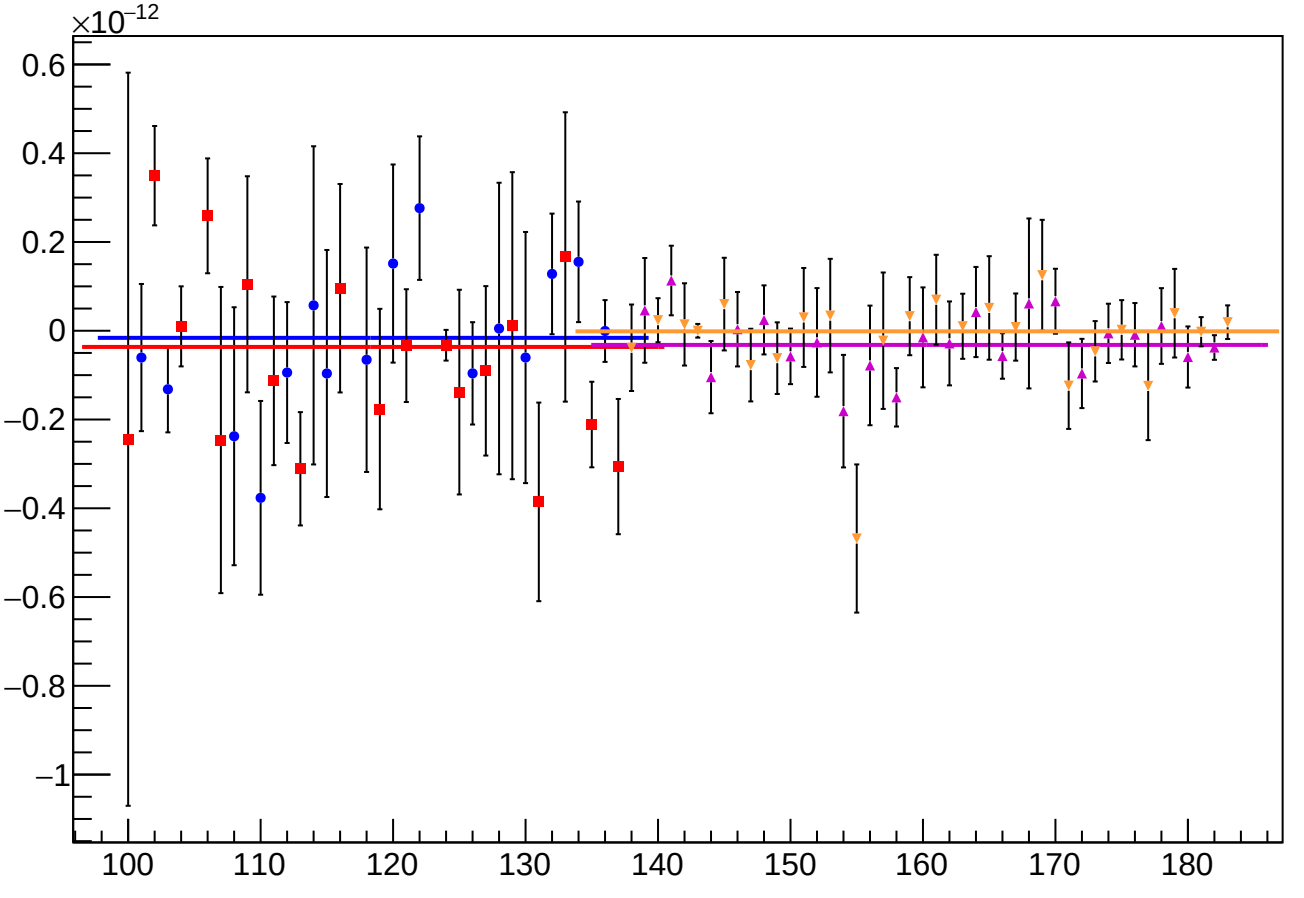
Left: 324.672+/-0.041 χ^2/NDF: 9932520.4/45

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 195.534+/-0.033 χ^2/NDF:12232787.3/37

Out: 176.612+/-0.031 χ^2/NDF:17059998.1/42

All: 185.543+/-0.022 χ^2/NDF: 29471085.6/80



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.5/21

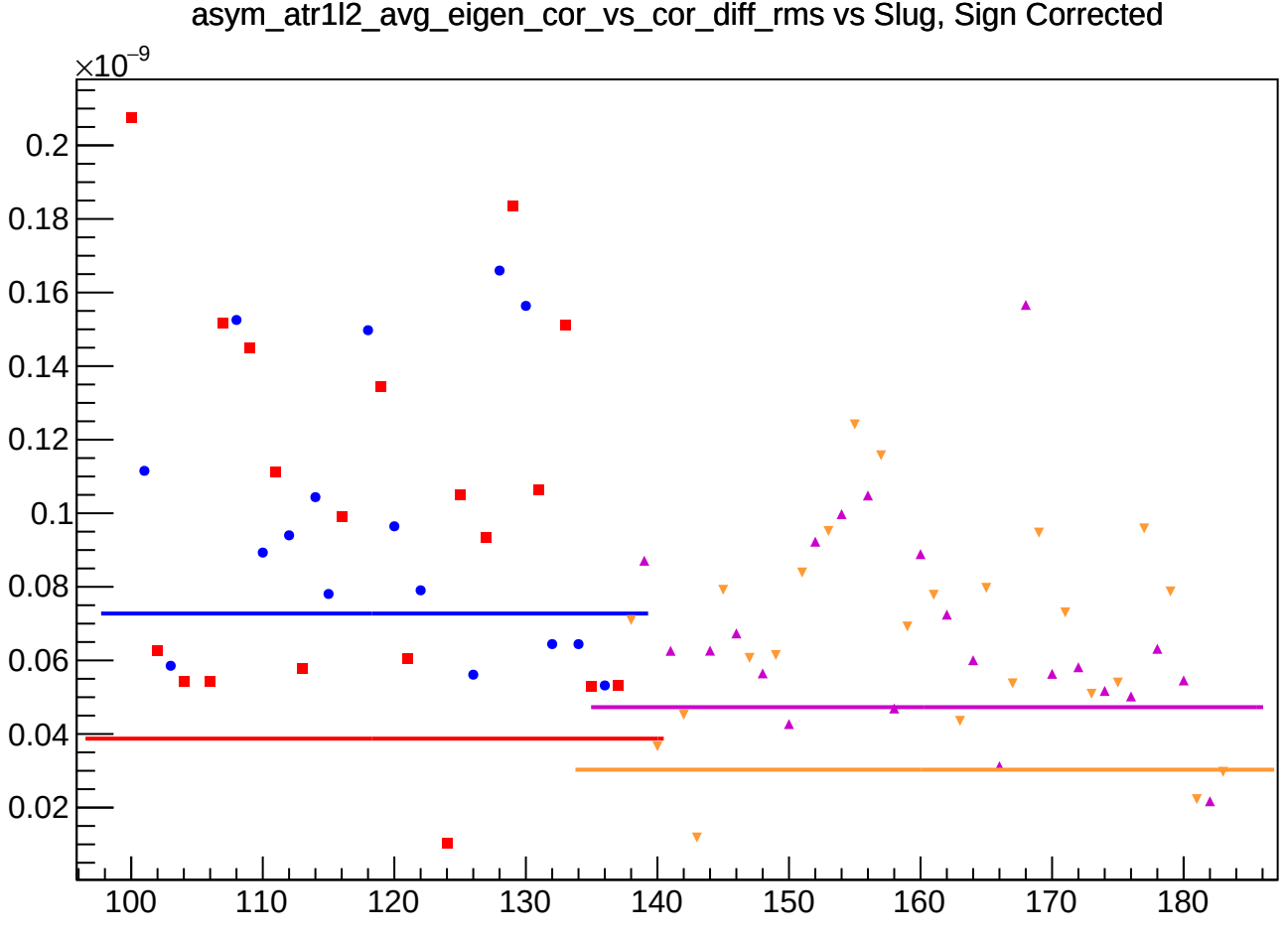
Left: -0.000+/-0.000 χ^2/NDF: 32.8/45

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

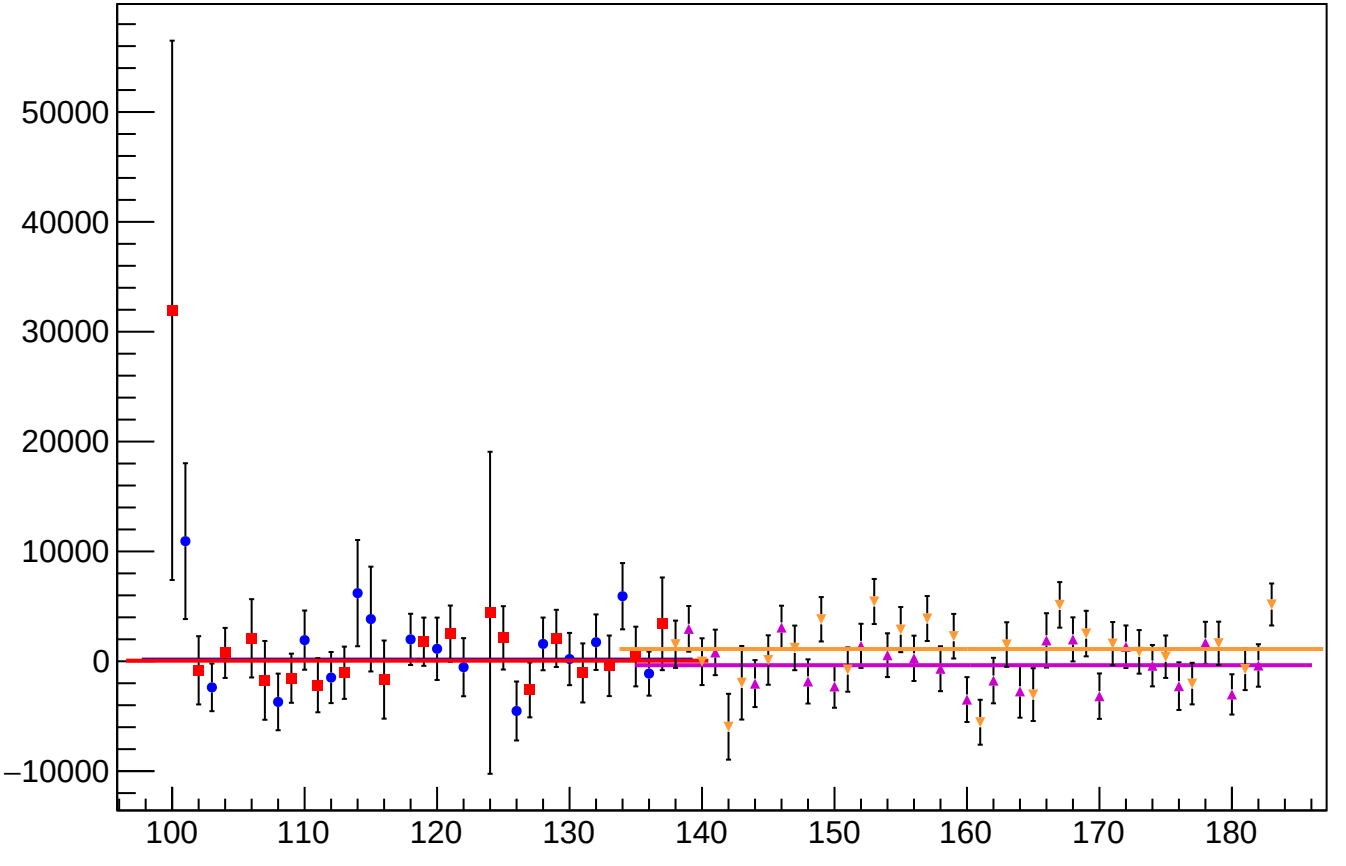
In: -0.000+/-0.000 χ^2/NDF:26.9/37

Out: -0.000+/-0.000 χ^2/NDF:50.4/42

All: -0.000+/-0.000 χ^2/NDF: 79.1/80


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:10496250.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:4671400.7/21
Left: 0.000+/-0.000 χ²/NDF: 16861376.0/45
Right: 0.000+/-0.000 χ²/NDF: 6532086.1/34
In: 0.000+/-0.000 χ²/NDF:6604543.5/37
Out: 0.000+/-0.000 χ²/NDF:14949055.5/42
All: 0.000+/-0.000 χ²/NDF: 24085675.0/80

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1114.178+/-426.060 χ^2/NDF:43.3/23

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -358.268+/-433.804 χ^2/NDF:21.7/21

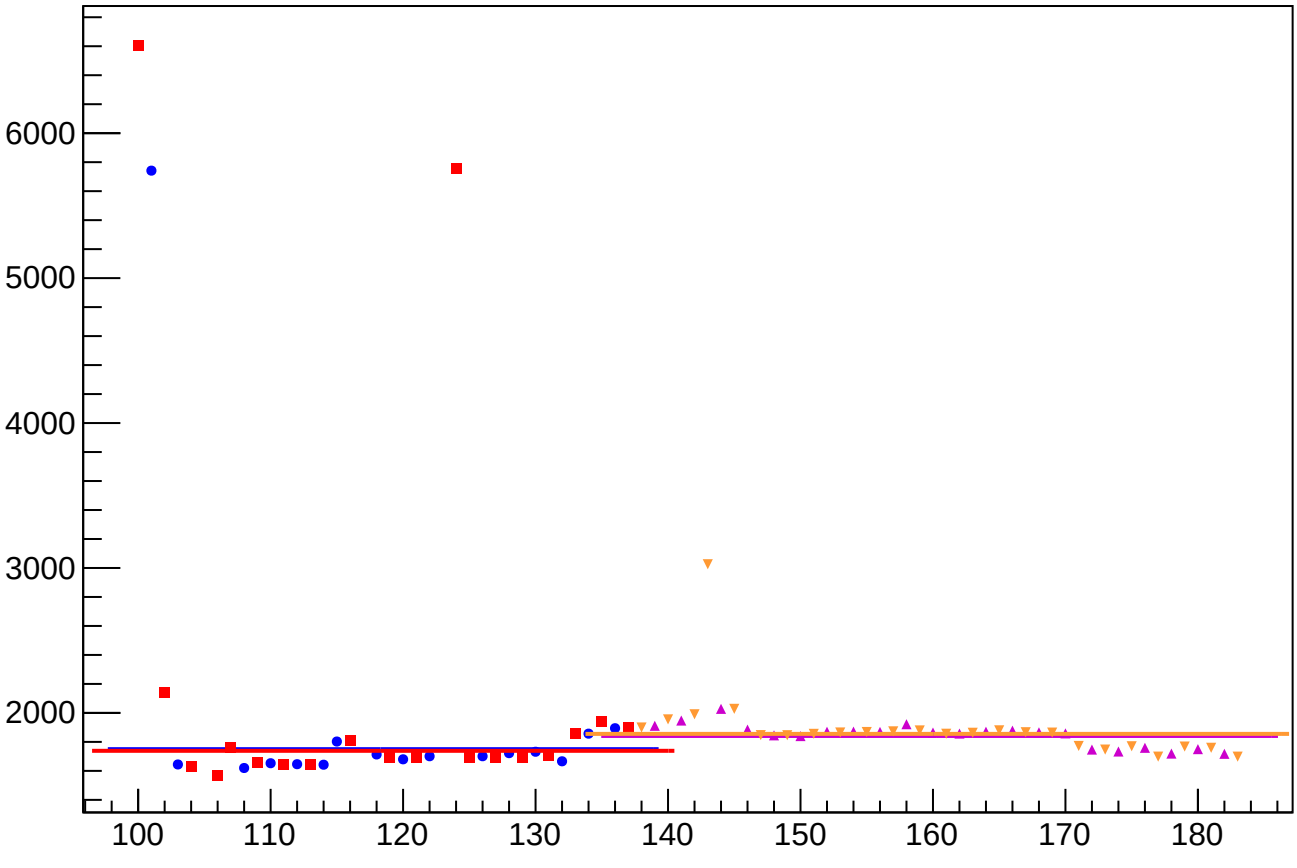
Left: 391.215+/-303.971 χ^2/NDF: 70.8/45

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -206.977+/-363.662 χ^2/NDF:39.8/37

Out: 799.181+/-357.193 χ^2/NDF:54.1/42

All: 305.130+/-254.830 χ^2/NDF: 97.7/80



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1855.254+/-0.301 χ^2/NDF:316024.7/23

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1841.031+/-0.307 χ^2/NDF:64945.2/21

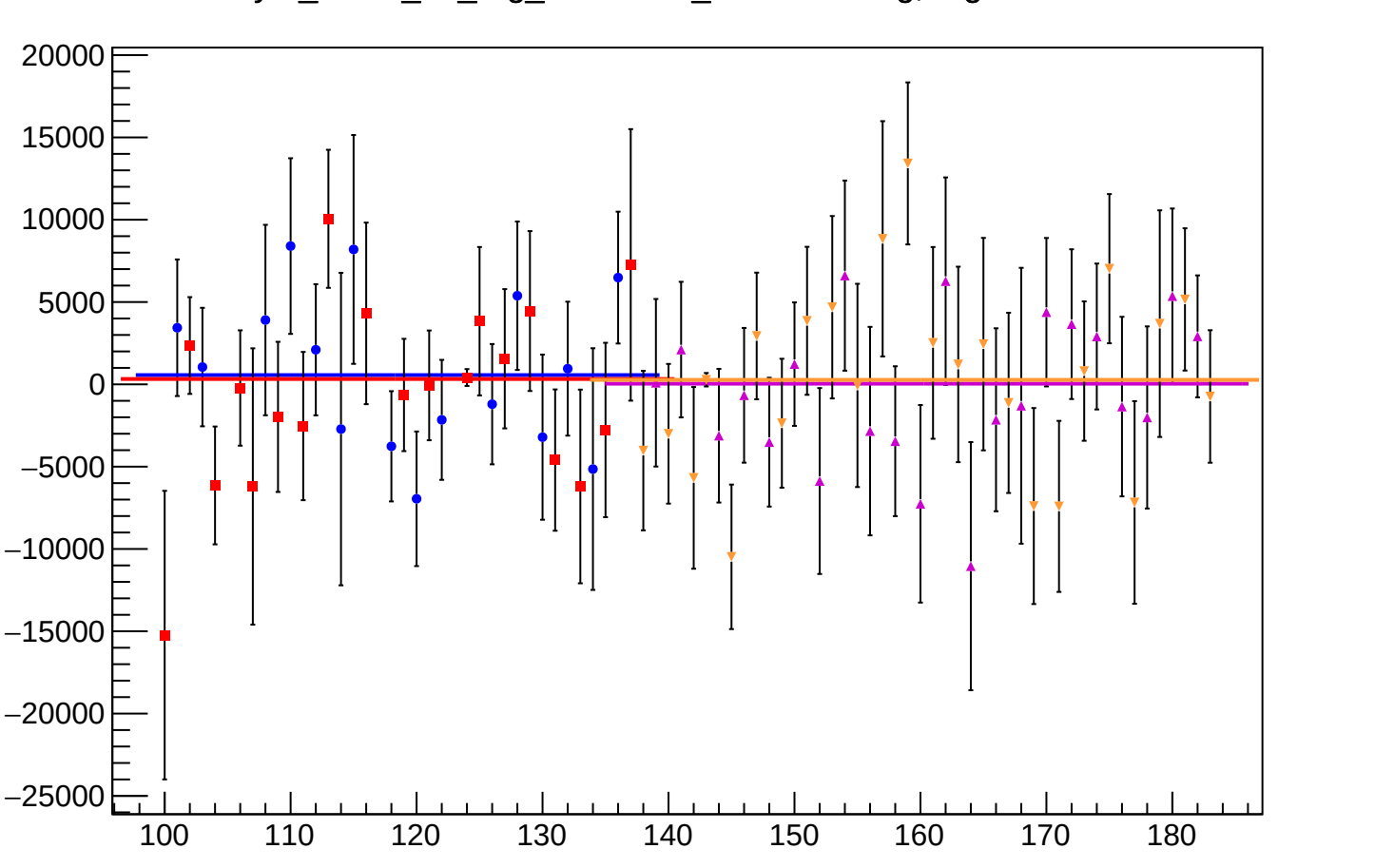
Left: 1848.270+/-0.215 χ^2/NDF: 382064.3/45

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1813.932+/-0.257 χ^2/NDF:760776.3/37

Out: 1820.199+/-0.252 χ^2/NDF:665614.1/42

All: 1817.129+/-0.180 χ^2/NDF: 1426693.3/80



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 271.788+/-380.477 χ^2/NDF:28.8/23

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: 40.552+/-1037.505 χ^2/NDF:13.6/21

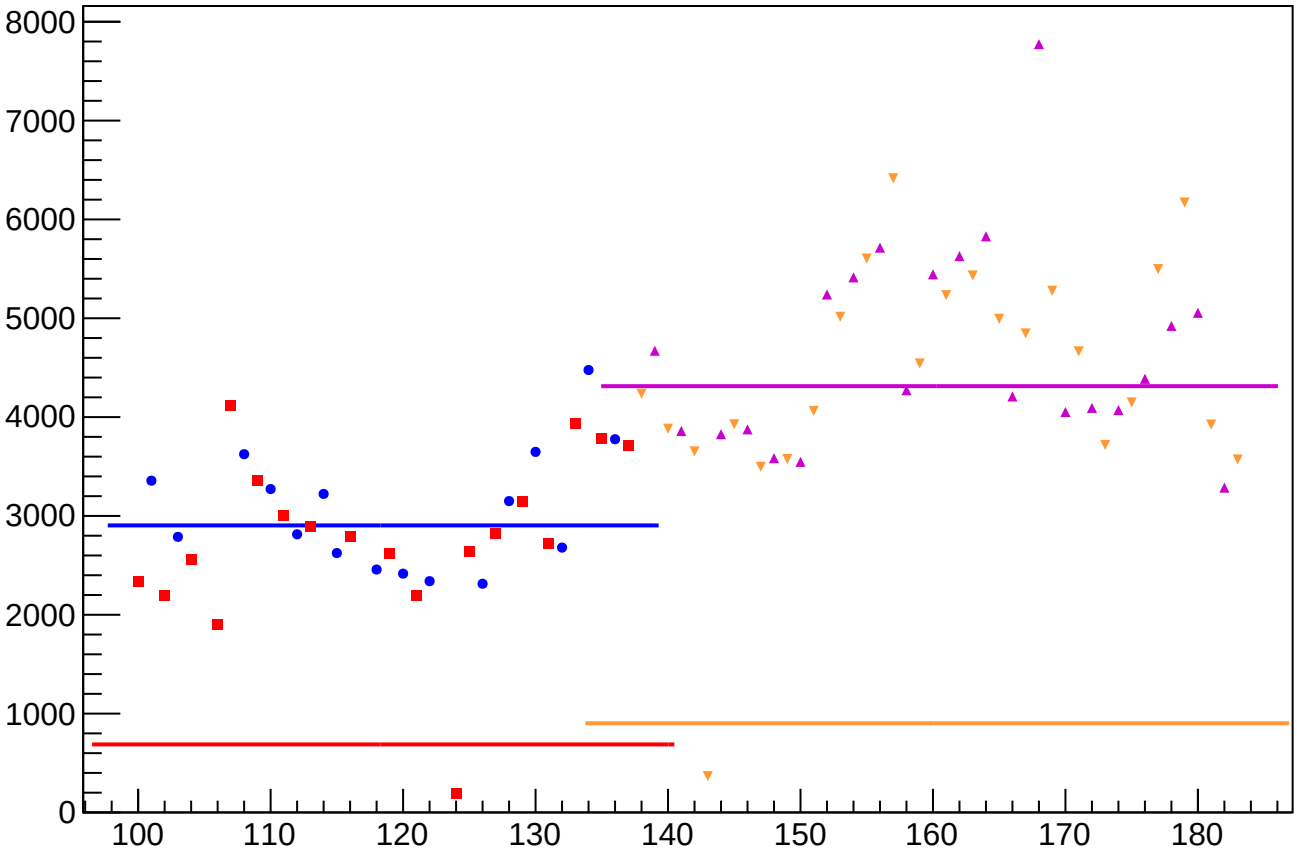
Left: 244.376+/-357.214 χ^2/NDF: 42.4/45

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 285.928+/-755.129 χ^2/NDF:28.5/37

Out: 293.750+/-292.650 χ^2/NDF:48.0/42

All: 292.729+/-272.875 χ^2/NDF: 76.6/80



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 902.333+/-0.269 χ^2/NDF:26485530.6/23

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: 1306.648+/-0.253 χ^2/NDF: 46816050.9/45

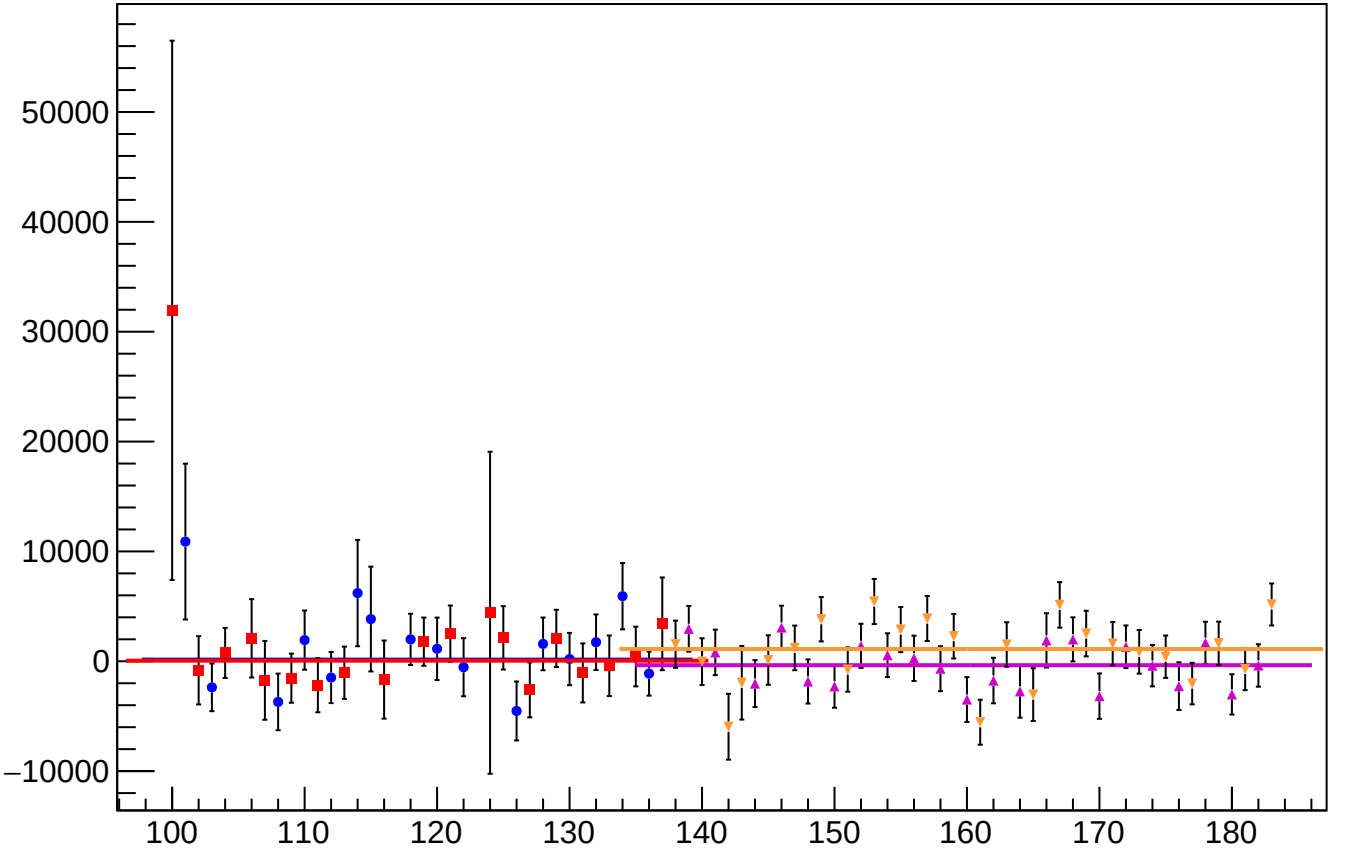
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3650.446+/-0.534 χ^2/NDF:3493009.8/37

Out: 814.934+/-0.207 χ^2/NDF:36892863.2/42

All: 1185.202+/-0.193 χ^2/NDF: 64903567.9/8

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1114.162+/-426.060 χ^2/NDF:43.3/23

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -358.202+/-433.804 χ^2/NDF:21.7/21

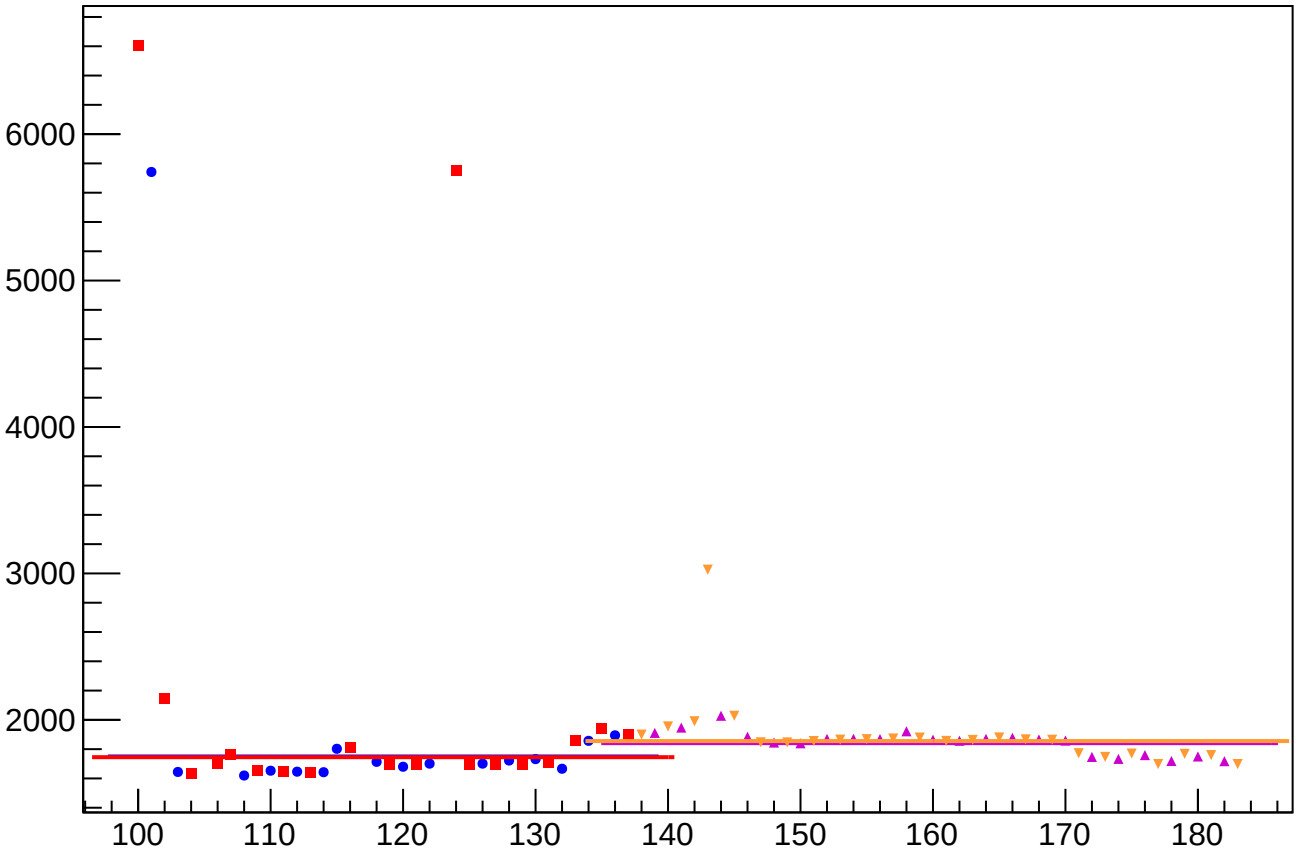
Left: 391.239+/-303.971 χ^2/NDF: 70.8/45

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -207.069+/-363.662 χ^2/NDF:39.7/37

Out: 799.185+/-357.193 χ^2/NDF:54.1/42

All: 305.087+/-254.830 χ^2/NDF: 97.7/80



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1855.254+/-0.301 χ^2/NDF:316024.7/23

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: 1848.270+/-0.215 χ^2/NDF: 382064.3/45

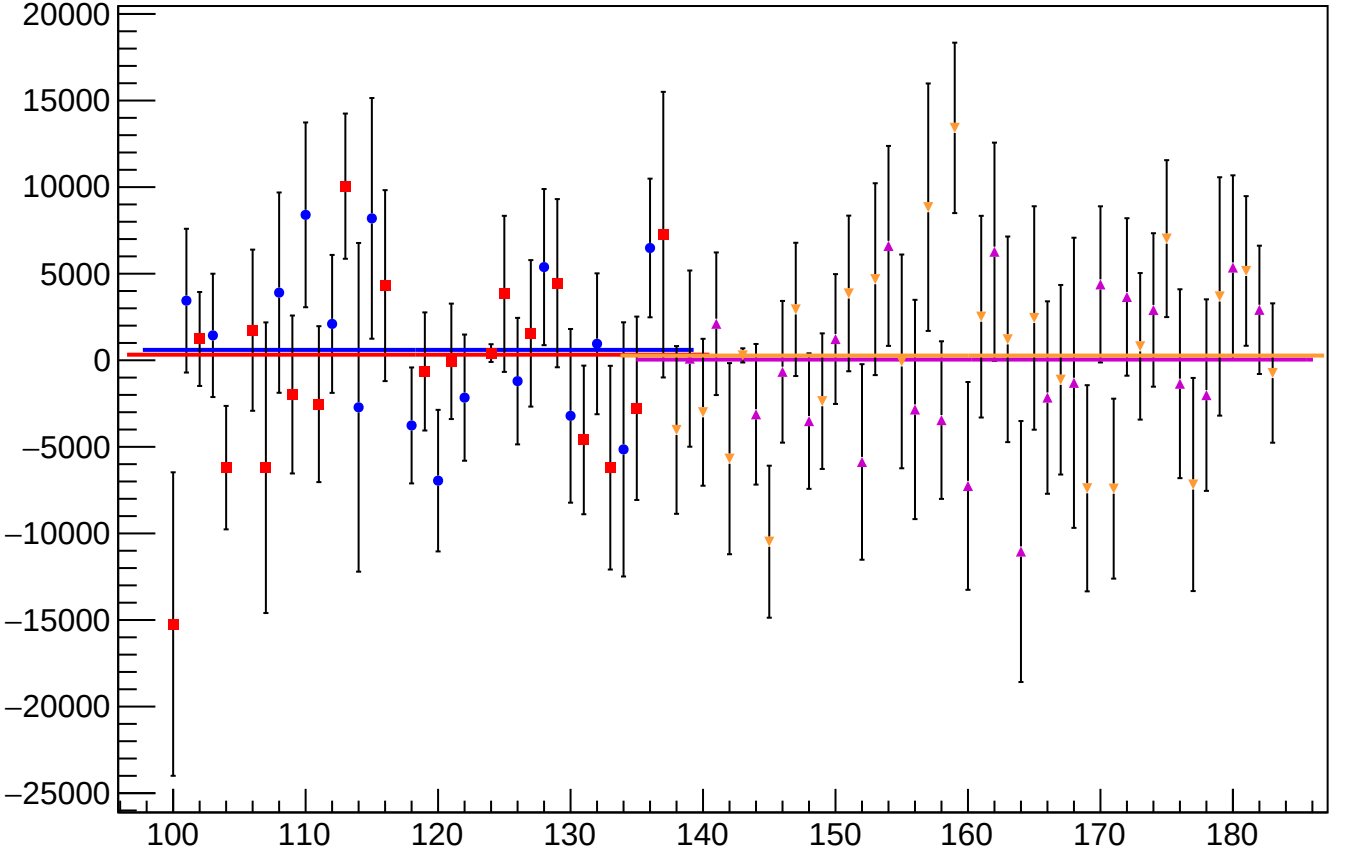
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1813.932+/-0.257 χ^2/NDF:760776.7/37

Out: 1822.376+/-0.252 χ^2/NDF:653873.9/42

All: 1818.235+/-0.180 χ^2/NDF: 1415200.0/80

asym_atr1l2_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 272.691+/-380.506 χ^2/NDF:28.8/23

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 40.469+/-1037.503 χ^2/NDF:13.6/21

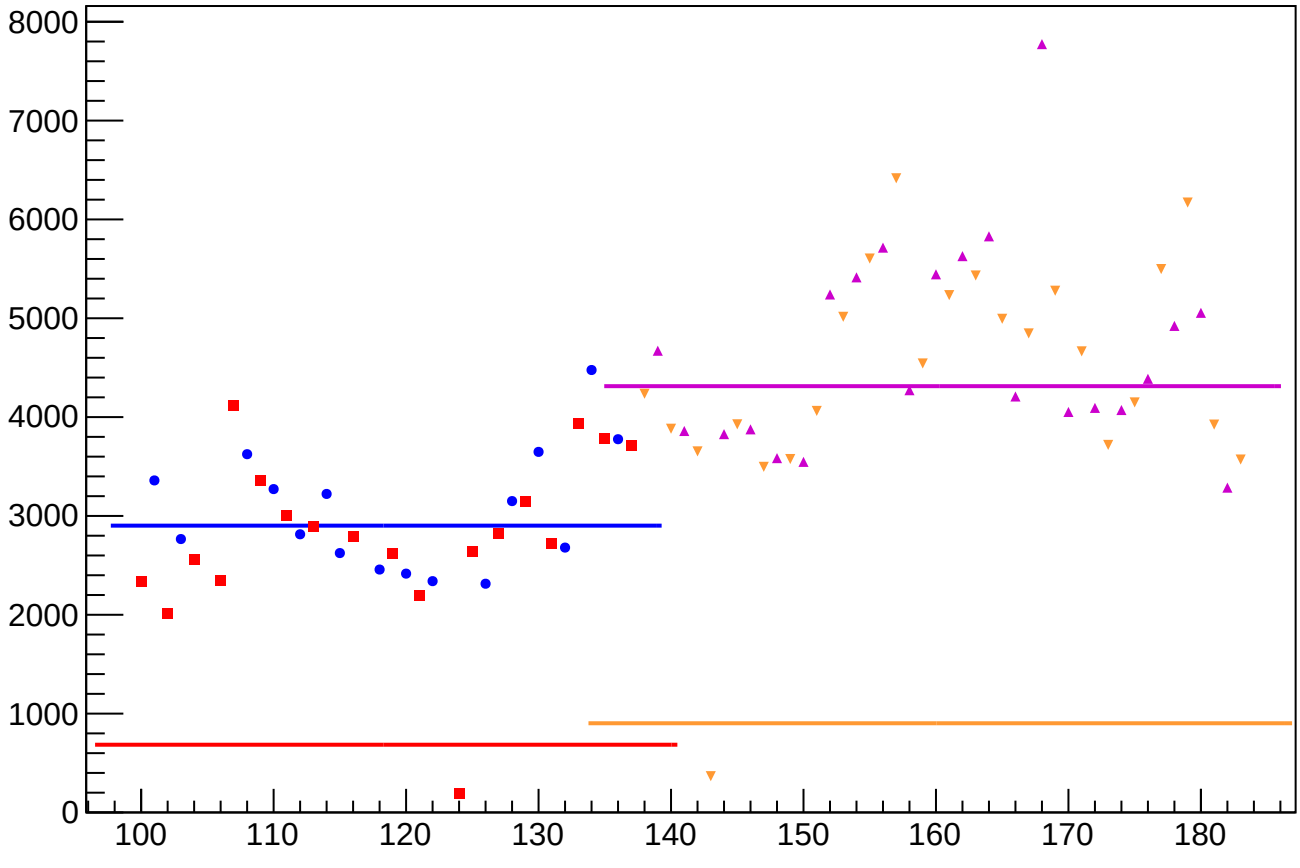
Left: 245.159+/-357.238 χ^2/NDF: 42.4/45

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 303.952+/-754.793 χ^2/NDF:28.6/37

Out: 293.257+/-292.902 χ^2/NDF:47.8/42

All: 294.656+/-273.063 χ^2/NDF: 76.4/80



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 902.451+/-0.269 χ^2/NDF:26484402.6/23

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4313.023+/-0.734 χ^2/NDF:1278666.7/21

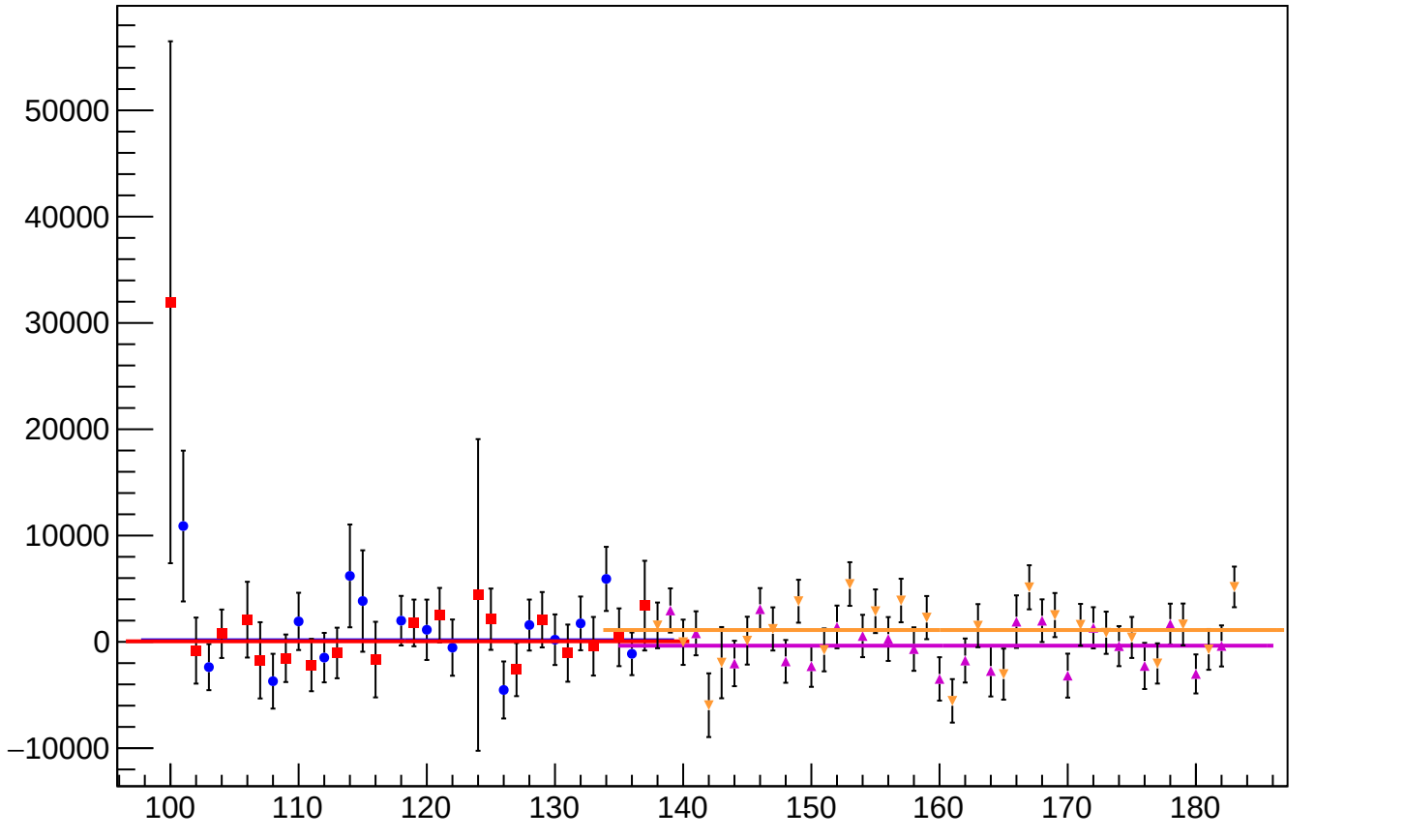
Left: 1306.807+/-0.253 χ^2/NDF: 46813237.5/45

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3648.747+/-0.534 χ^2/NDF:3501313.3/37

Out: 813.954+/-0.207 χ^2/NDF:36855710.4/42

All: 1184.968+/-0.193 χ^2/NDF: 64875706.6/8



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1114.162+/-426.060 χ^2/NDF:43.3/23

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -358.202+/-433.804 χ^2/NDF:21.7/21

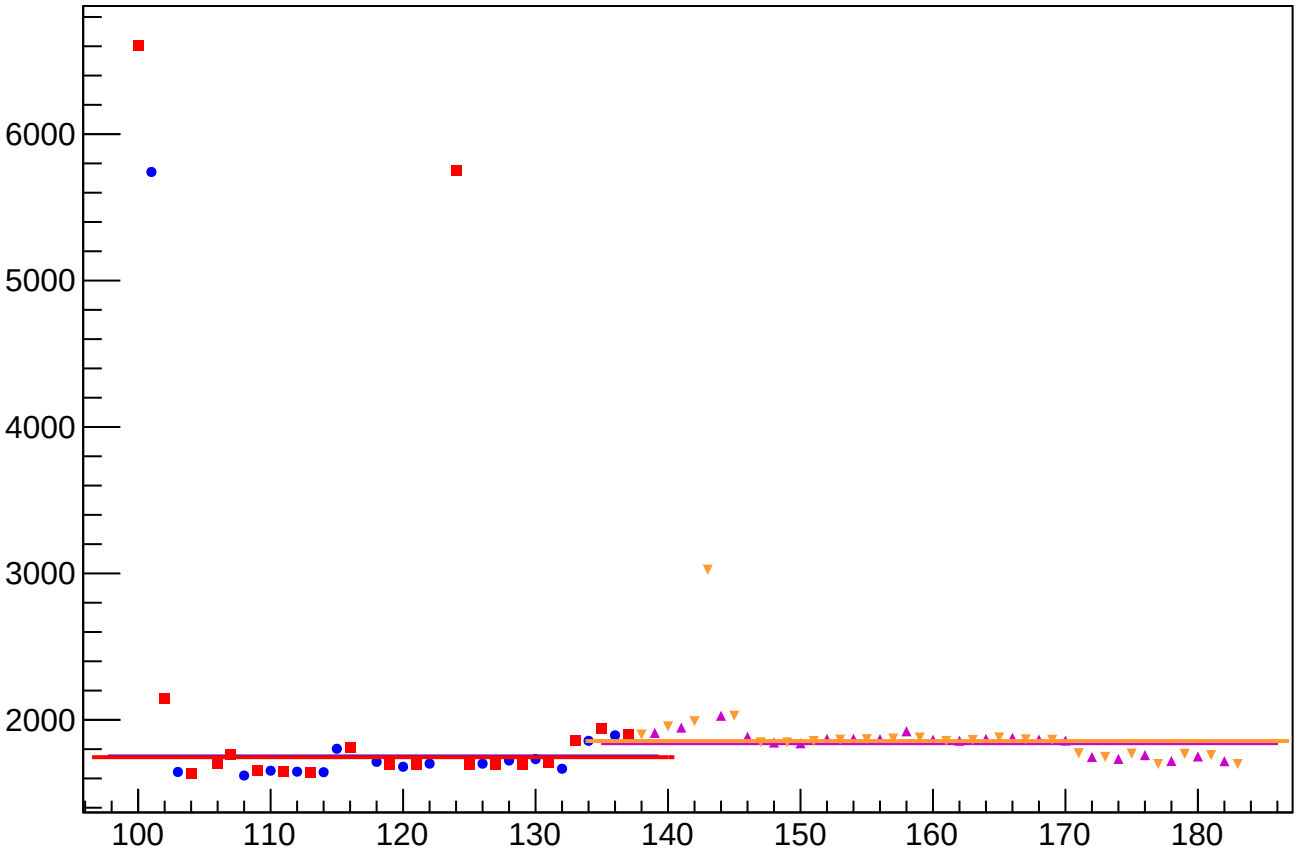
Left: 391.239+/-303.971 χ^2/NDF: 70.8/45

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -207.069+/-363.662 χ^2/NDF:39.7/37

Out: 799.185+/-357.193 χ^2/NDF:54.1/42

All: 305.087+/-254.830 χ^2/NDF: 97.7/80



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1855.254+/-0.301 χ^2/NDF:316024.7/23

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1841.031+/-0.307 χ^2/NDF:64945.2/21

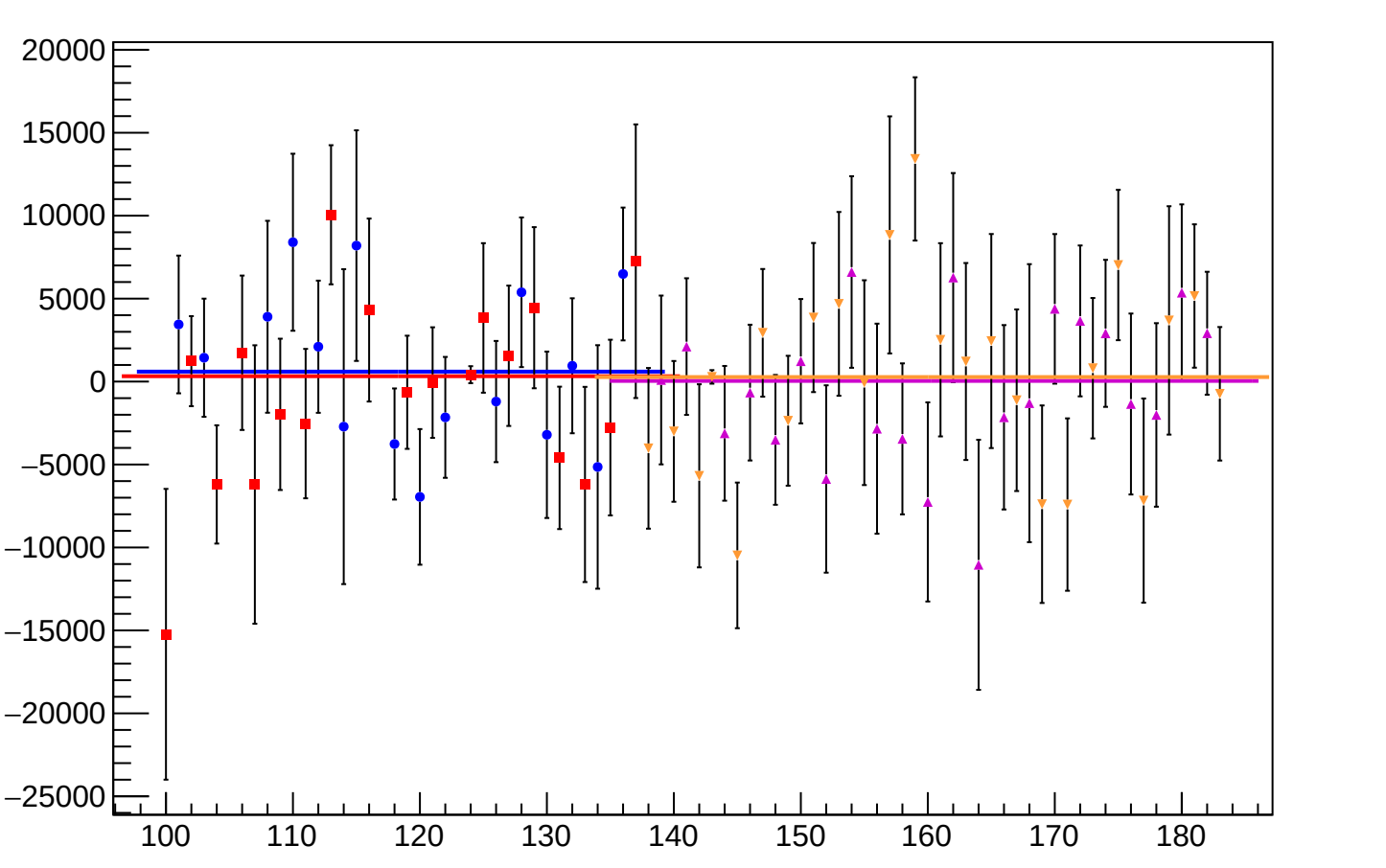
Left: 1848.270+/-0.215 χ^2/NDF: 382064.3/45

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1813.932+/-0.257 χ^2/NDF:760776.7/37

Out: 1822.376+/-0.252 χ^2/NDF:653873.9/42

All: 1818.235+/-0.180 χ^2/NDF: 1415200.0/80



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 272.691+/-380.506 χ^2/NDF:28.8/23

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 40.469+/-1037.503 χ^2/NDF:13.6/21

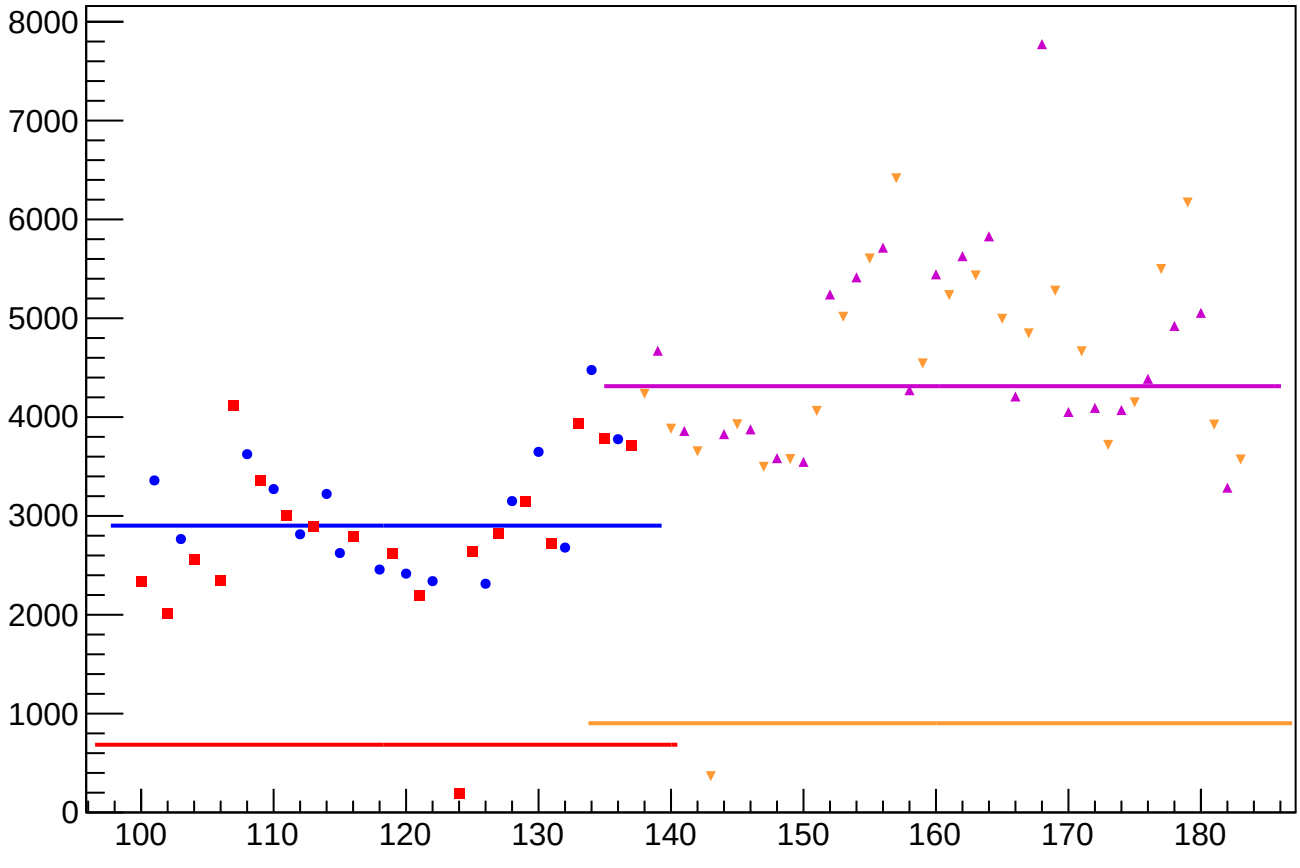
Left: 245.159+/-357.238 χ^2/NDF: 42.4/45

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 303.952+/-754.793 χ^2/NDF:28.6/37

Out: 293.257+/-292.902 χ^2/NDF:47.8/42

All: 294.656+/-273.063 χ^2/NDF: 76.4/80



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 902.451+/-0.269 χ^2/NDF:26484402.6/23

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: 1306.807+/-0.253 χ^2/NDF: 46813237.5/45

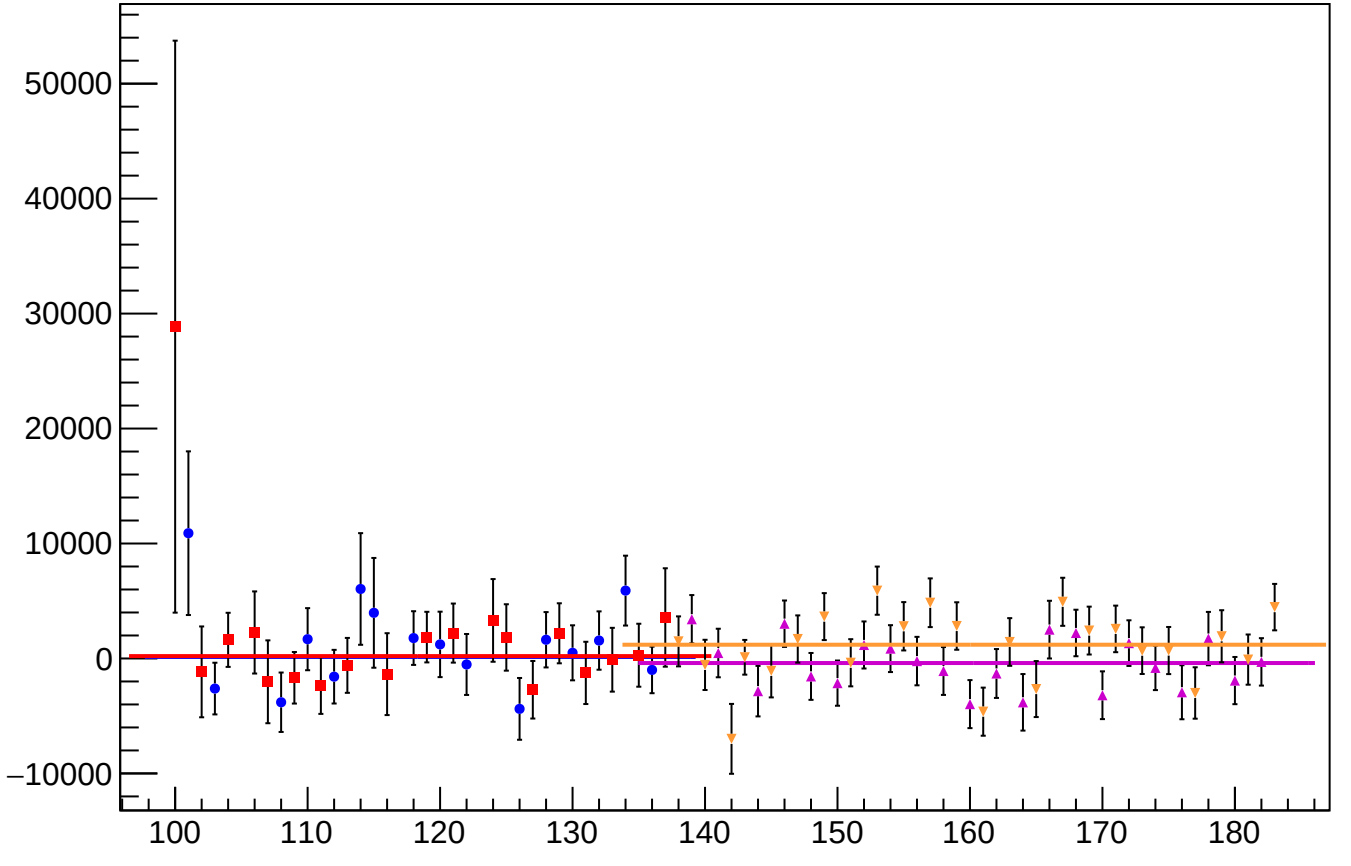
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3648.747+/-0.534 χ^2/NDF:3501313.3/37

Out: 813.954+/-0.207 χ^2/NDF:36855710.4/42

All: 1184.968+/-0.193 χ^2/NDF: 64875706.6/8

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1196.002+/-428.575 χ^2/NDF:41.7/23

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -396.598+/-449.524 χ^2/NDF:23.0/21

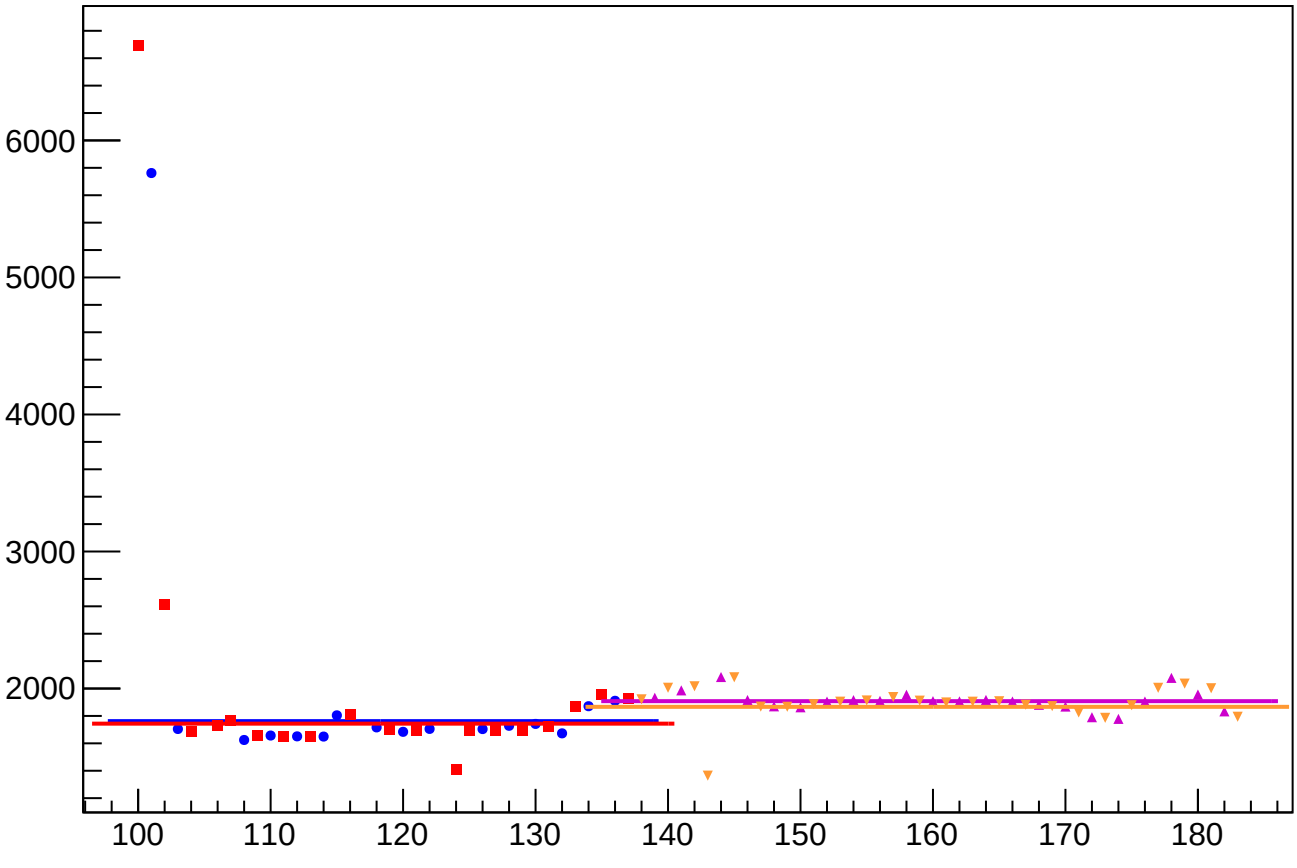
Left: 437.676+/-310.190 χ^2/NDF: 71.3/45

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -232.491+/-373.570 χ^2/NDF:40.7/37

Out: 898.692+/-358.536 χ^2/NDF:53.0/42

All: 356.320+/-258.675 χ^2/NDF: 98.5/80



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1866.433+/-0.303 χ^2/NDF:292887.4/23

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1907.842+/-0.318 χ^2/NDF:50153.6/21

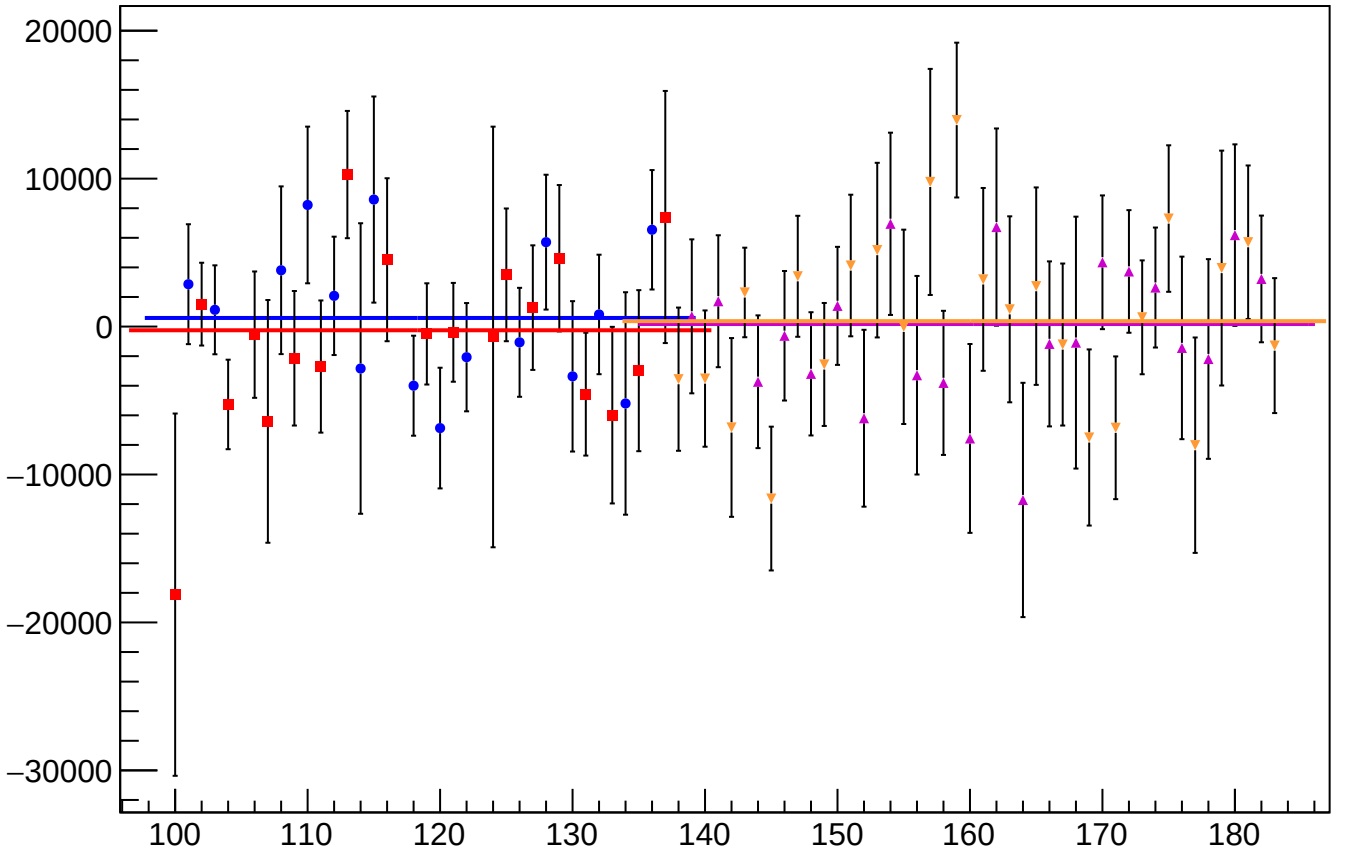
Left: 1886.150+/-0.219 χ^2/NDF: 351931.3/45

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1862.737+/-0.264 χ^2/NDF:782934.6/37

Out: 1829.454+/-0.253 χ^2/NDF:570058.7/42

All: 1845.398+/-0.183 χ^2/NDF: 1361263.8/80



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 366.588+/-1030.169 χ^2/NDF:29.0/23

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: 172.943+/-1094.725 χ^2/NDF:13.3/21

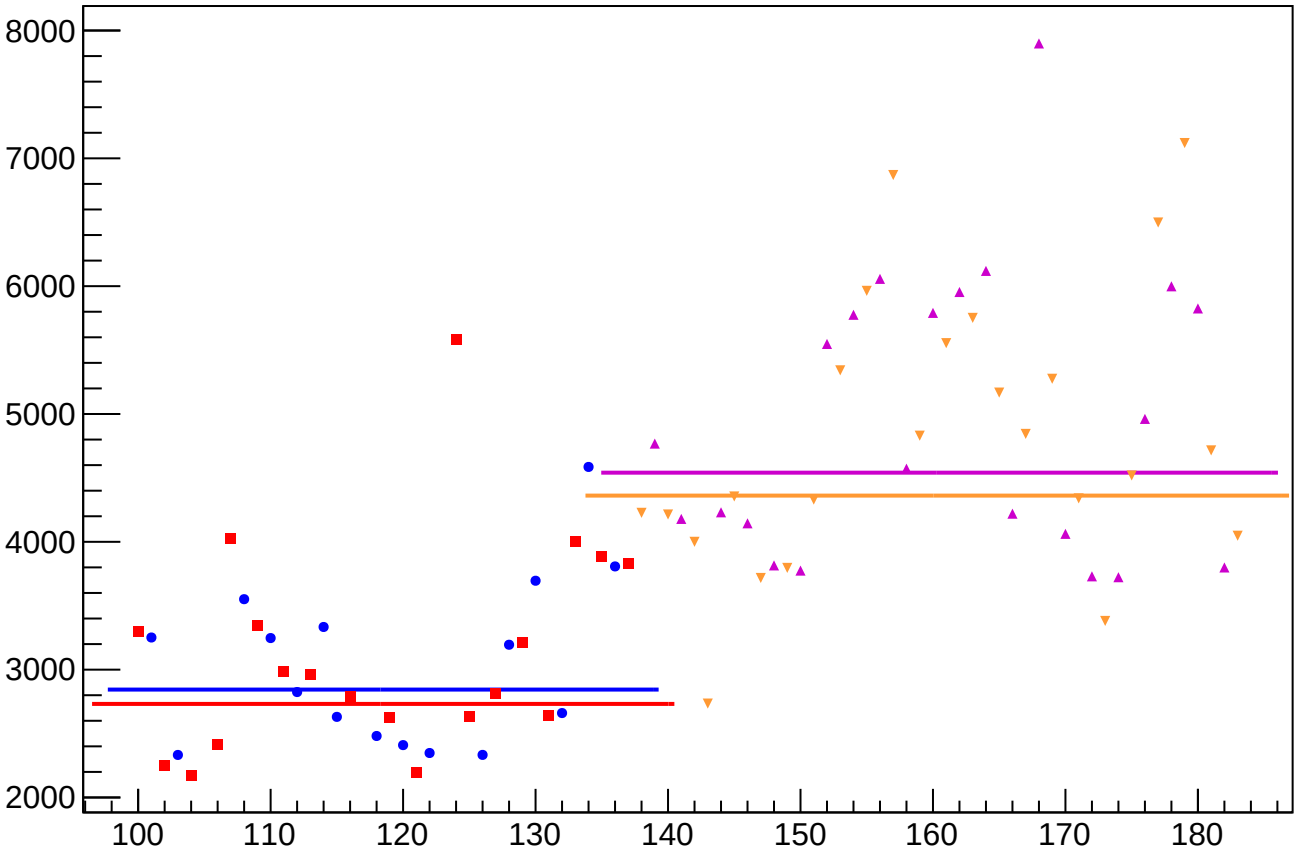
Left: 275.643+/-750.224 χ^2/NDF: 42.3/45

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 380.074+/-769.362 χ^2/NDF:28.3/37

Out: 55.428+/-725.180 χ^2/NDF:47.1/42

All: 208.162+/-527.708 χ^2/NDF: 75.4/80



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4361.643+/-0.728 χ^2/NDF:1909450.8/23

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4541.025+/-0.774 χ^2/NDF:1411063.1/21

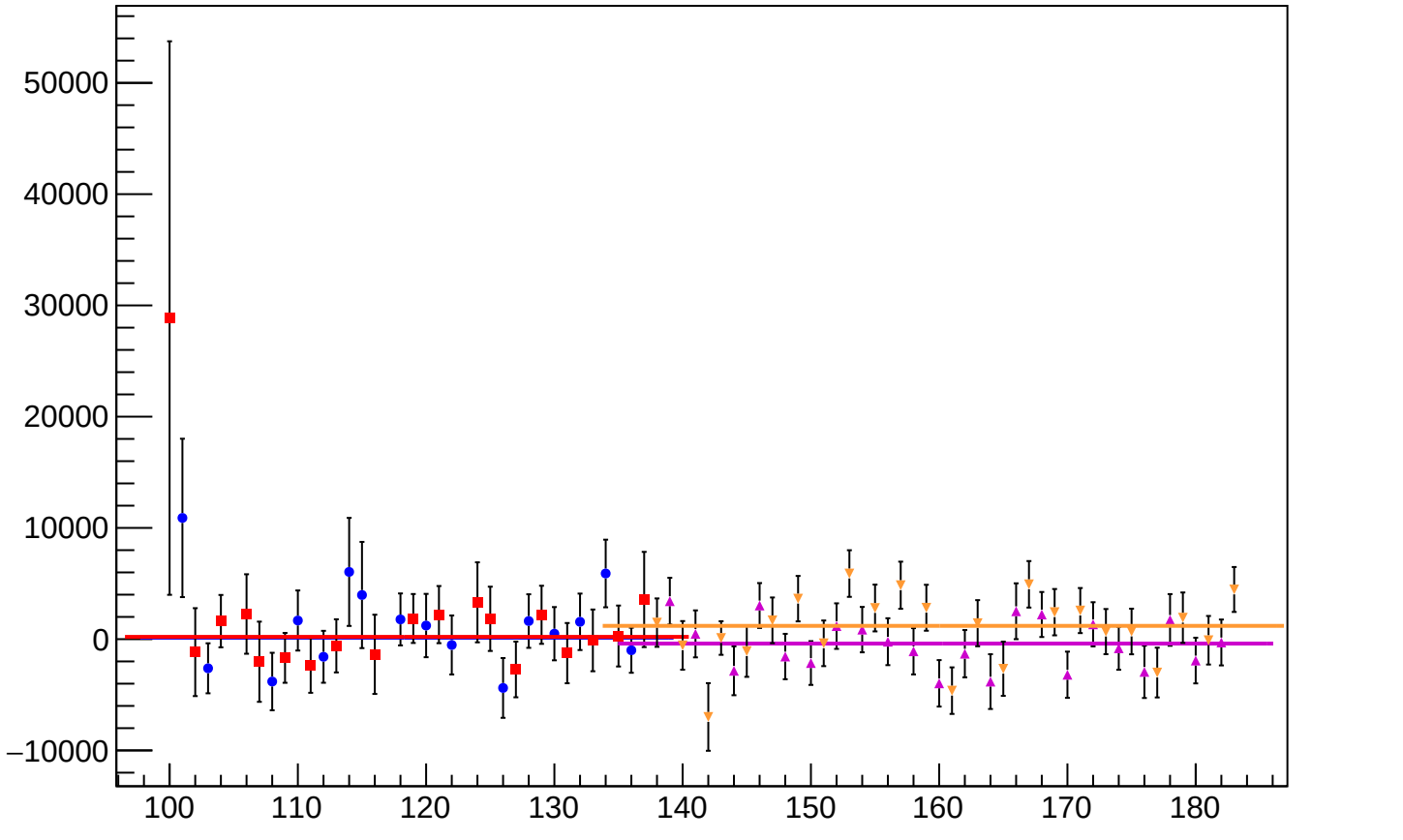
Left: 4445.890+/-0.530 χ^2/NDF: 3348994.0/45

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3682.262+/-0.544 χ^2/NDF:4384976.9/37

Out: 3539.536+/-0.513 χ^2/NDF:5045604.4/42

All: 3606.684+/-0.373 χ^2/NDF: 9467029.1/80



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1196.003+/-428.575 χ^2/NDF:41.7/23

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: -396.599+/-449.524 χ^2/NDF:23.0/21

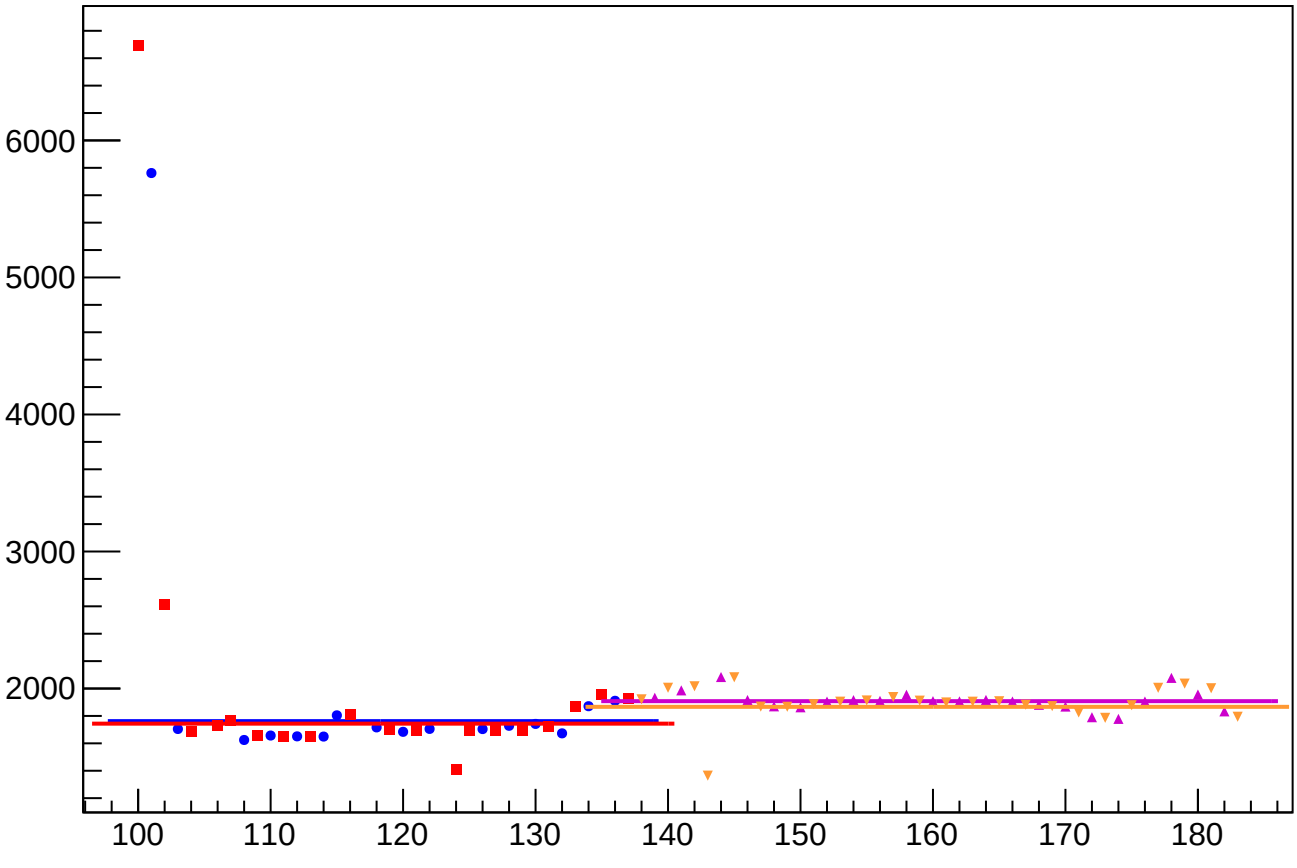
Left: 437.676+/-310.190 χ^2/NDF: 71.3/45

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -232.491+/-373.570 χ^2/NDF:40.7/37

Out: 898.692+/-358.536 χ^2/NDF:53.0/42

All: 356.320+/-258.675 χ^2/NDF: 98.5/80



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1866.434+/-0.303 χ^2/NDF:292890.8/23

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1907.843+/-0.318 χ^2/NDF:50155.9/21

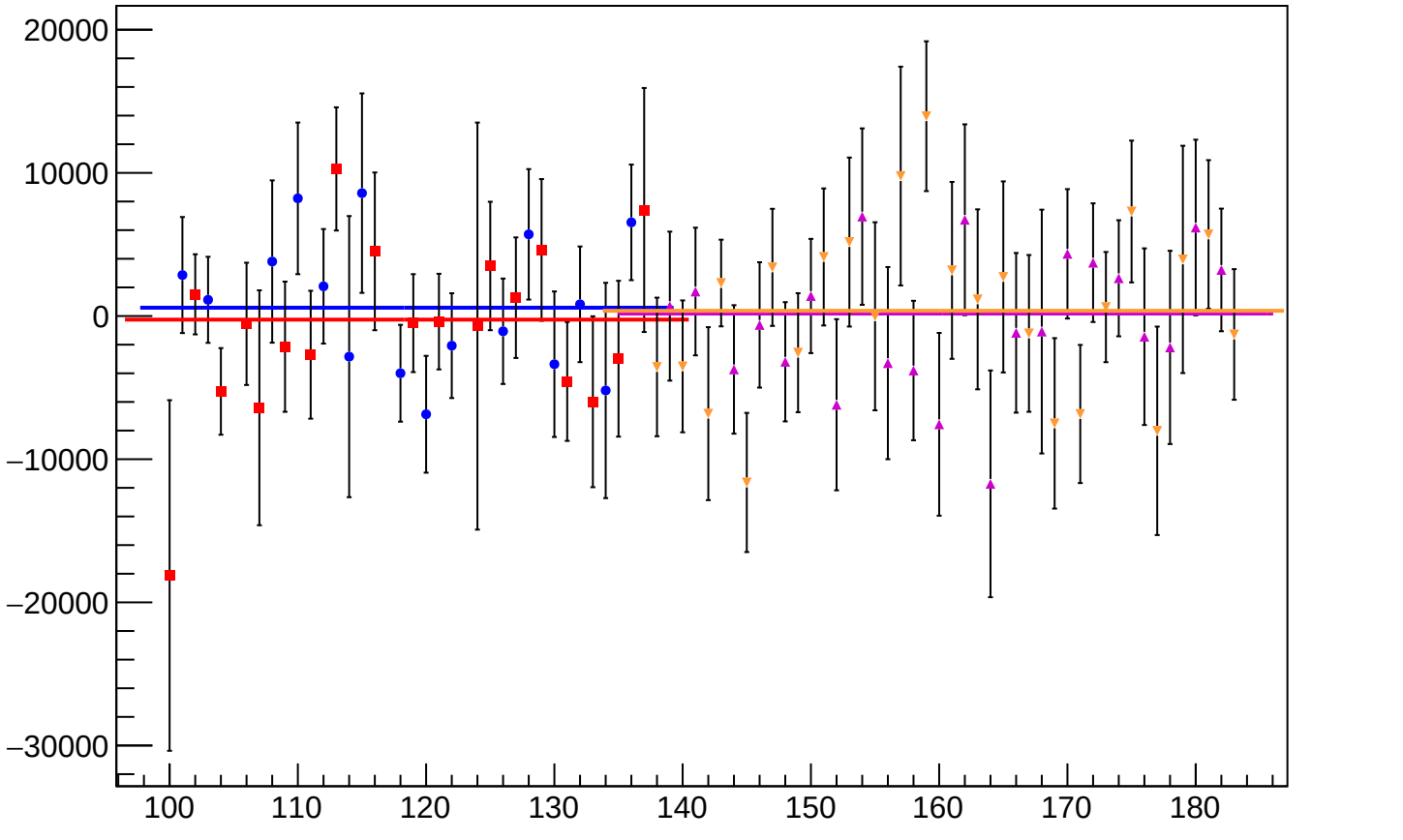
Left: 1886.151+/-0.219 χ^2/NDF: 351937.0/45

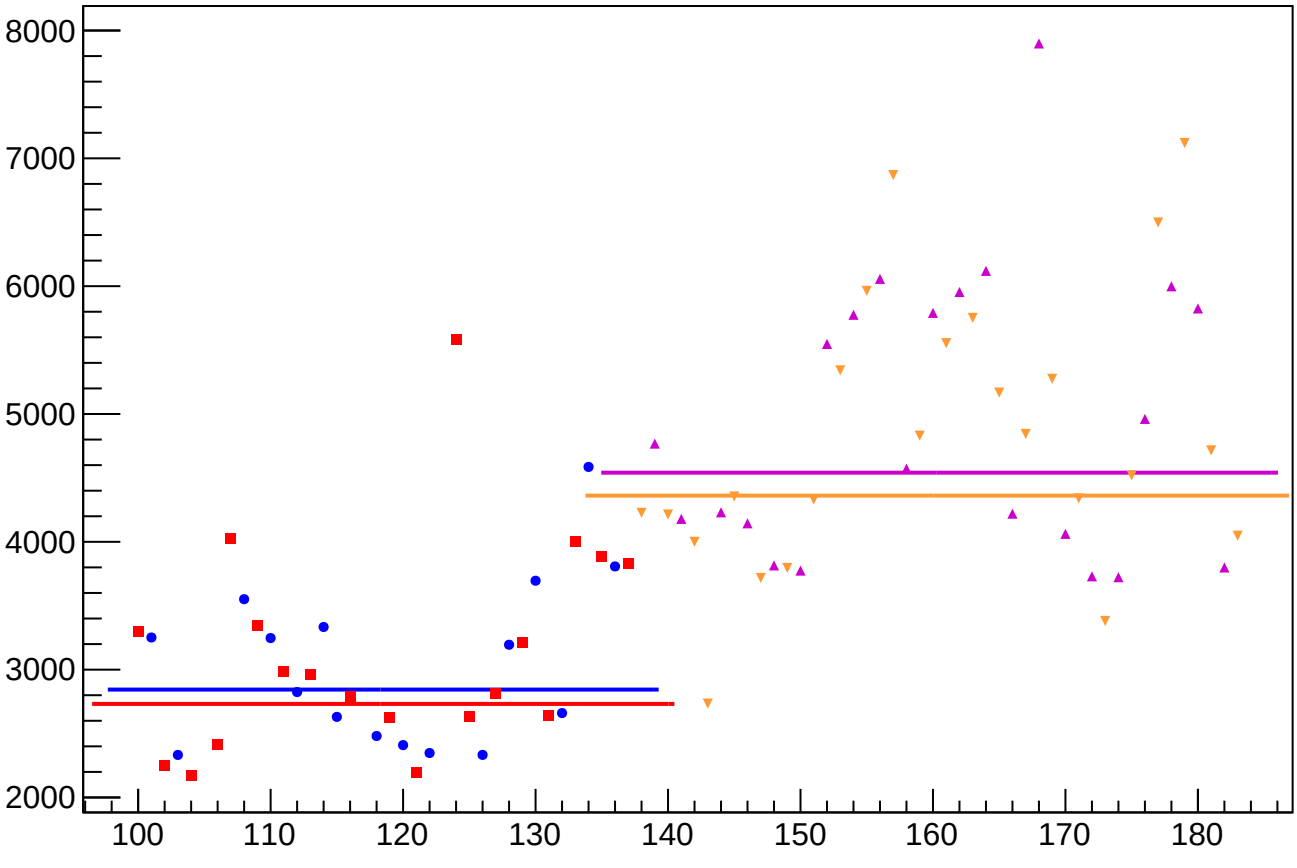
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1862.738+/-0.264 χ^2/NDF:782937.8/37

Out: 1829.455+/-0.253 χ^2/NDF:570062.9/42

All: 1845.399+/-0.183 χ^2/NDF: 1361271.2/80


asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 582.219+/-1081.478 χ²/NDF: 14.9/15
Left Out: 366.591+/-1030.170 χ²/NDF:29.0/23
Right Out: -250.225+/-1021.010 χ²/NDF: 17.9/18
Left In: 172.943+/-1094.727 χ²/NDF:13.3/21
Left: 275.645+/-750.225 χ²/NDF: 42.3/45
Right: 142.075+/-742.420 χ²/NDF: 33.1/34
In: 380.072+/-769.362 χ²/NDF:28.3/37
Out: 55.428+/-725.180 χ²/NDF:47.1/42
All: 208.162+/-527.708 χ²/NDF: 75.4/80



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4361.650+/-0.728 χ^2/NDF:1909455.4/23

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: 4445.897+/-0.530 χ^2/NDF: 3349000.1/45

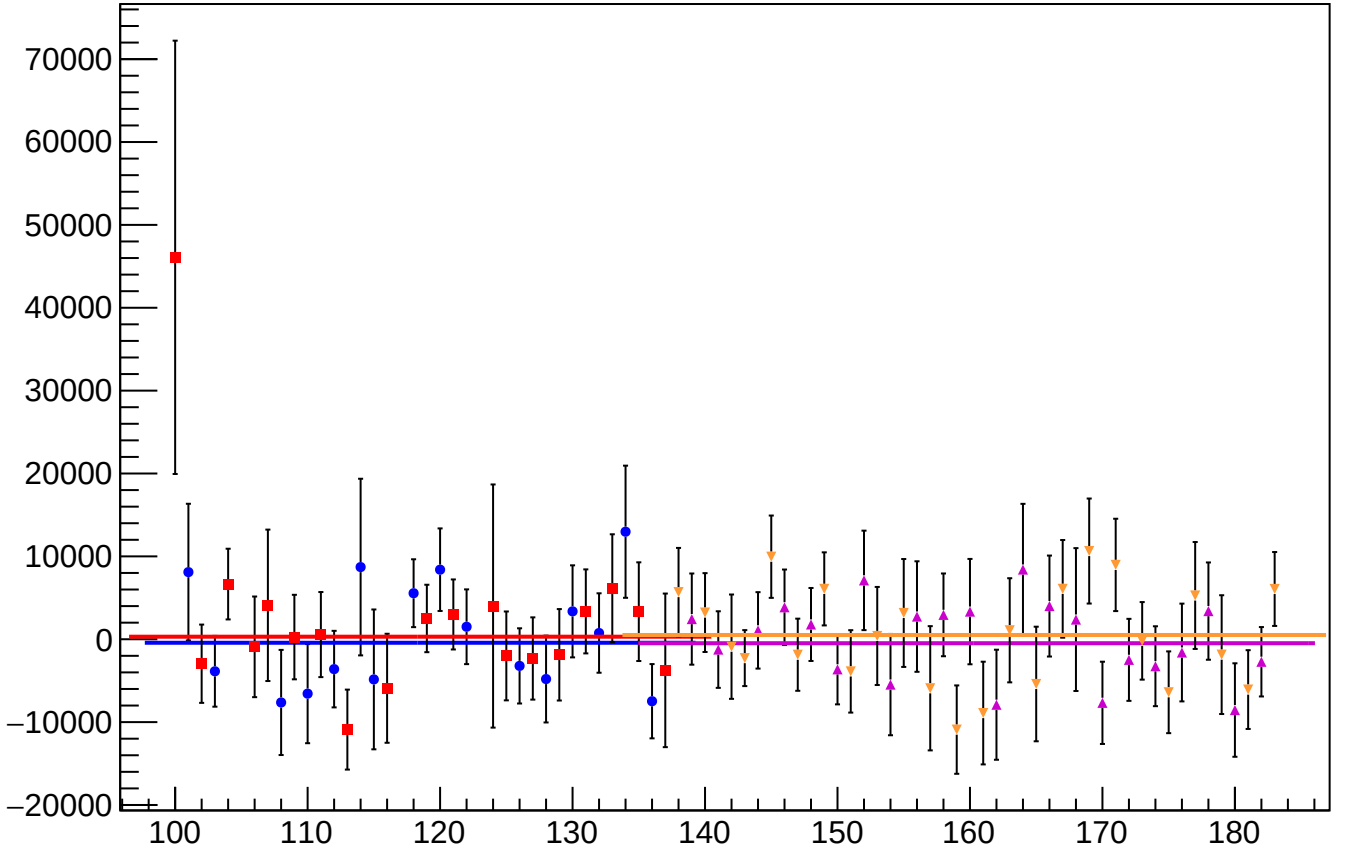
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3682.259+/-0.544 χ^2/NDF:4385027.8/37

Out: 3539.533+/-0.513 χ^2/NDF:5045646.1/42

All: 3606.680+/-0.373 χ^2/NDF: 9467121.2/80

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 514.460+/-1074.744 χ^2/NDF:28.7/23

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: 46.053+/-780.873 χ^2/NDF: 43.1/45

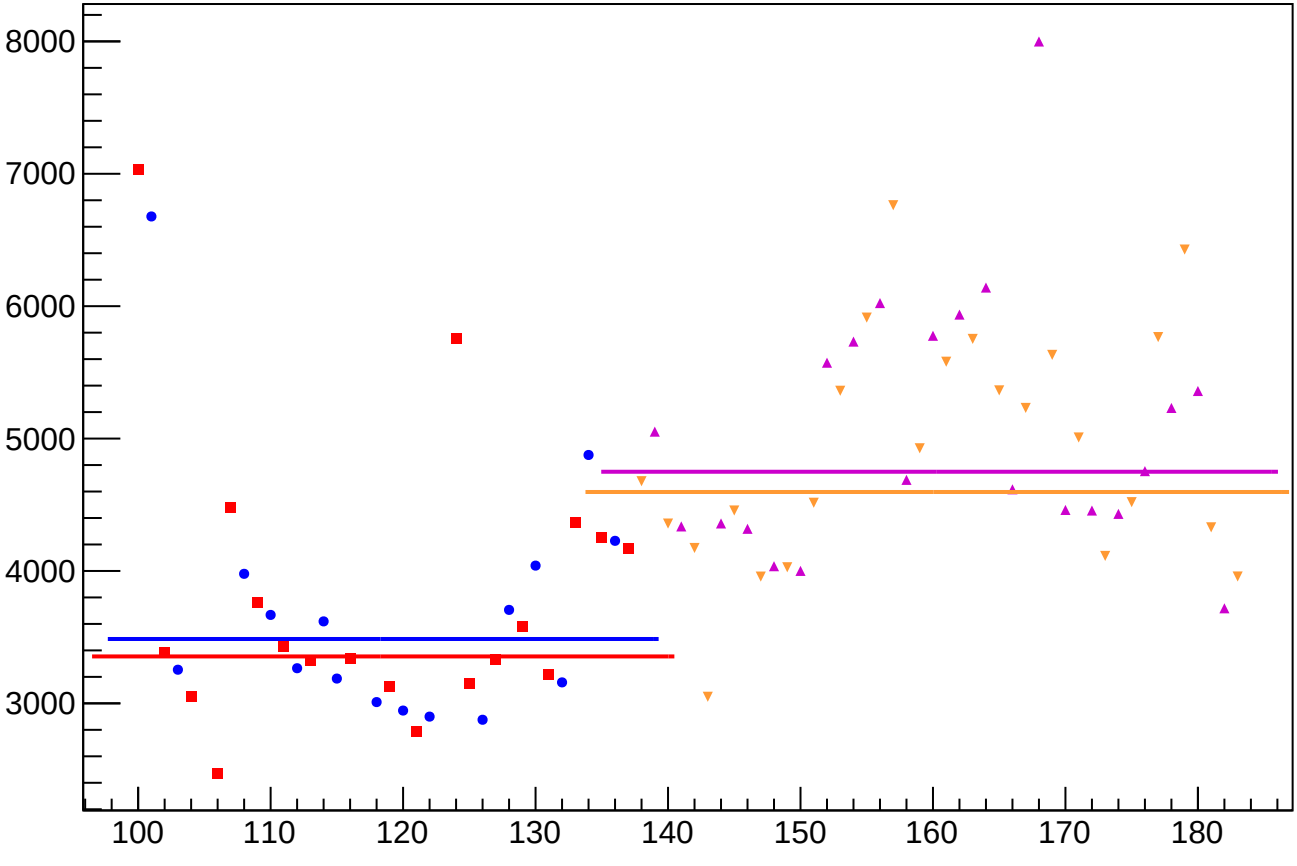
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -454.625+/-863.258 χ^2/NDF:31.9/37

Out: 428.682+/-821.939 χ^2/NDF:44.0/42

All: 8.673+/-595.270 χ^2/NDF: 76.5/80

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4596.535+/-0.760 χ^2/NDF:1298672.0/23

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4749.389+/-0.804 χ^2/NDF:975969.5/21

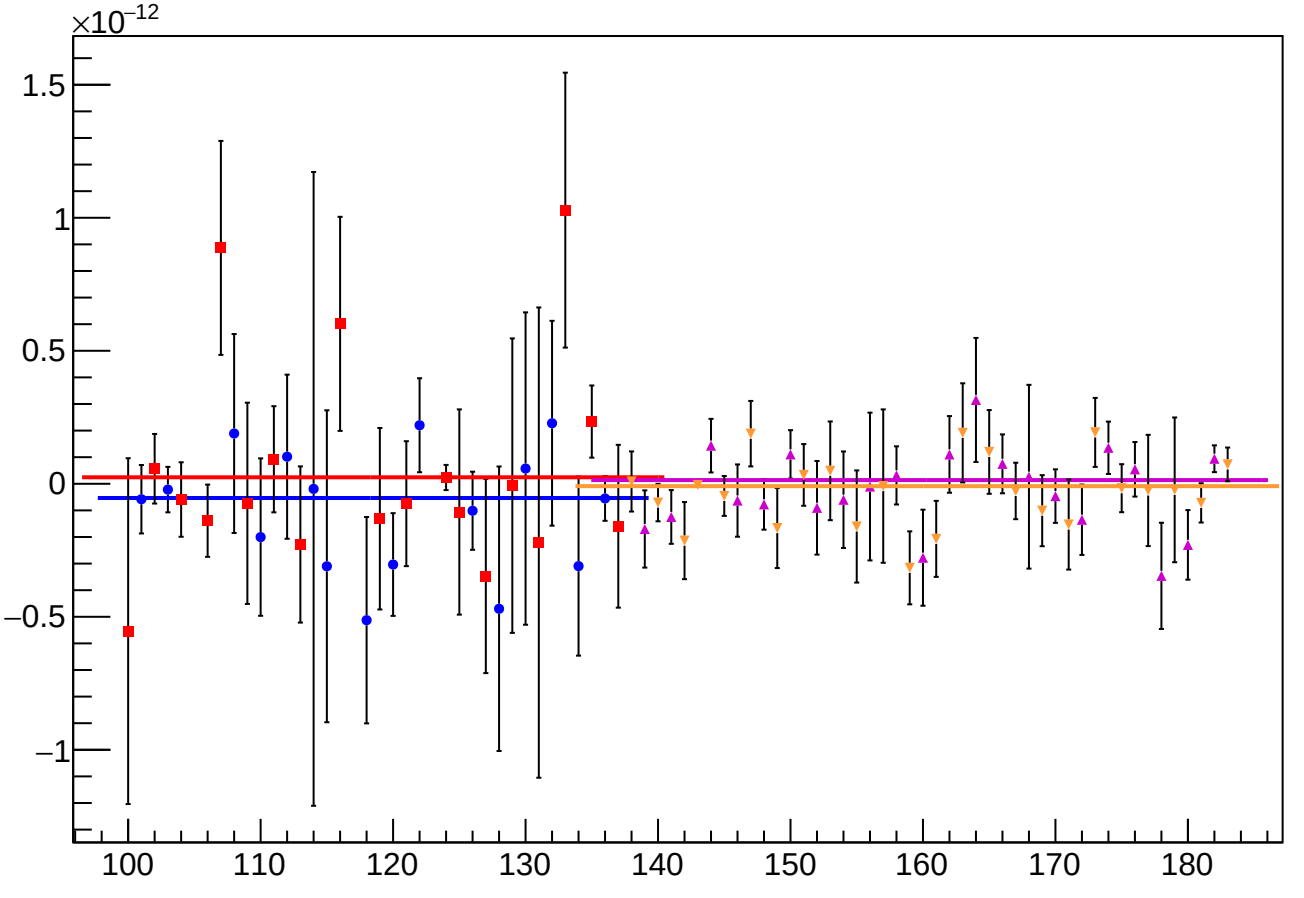
Left: 4668.698+/-0.552 χ^2/NDF: 2293740.3/45

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4215.008+/-0.610 χ^2/NDF:2617042.9/37

Out: 4072.428+/-0.578 χ^2/NDF:2802295.3/42

All: 4139.807+/-0.420 χ^2/NDF: 5448114.5/80



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:25.7/21

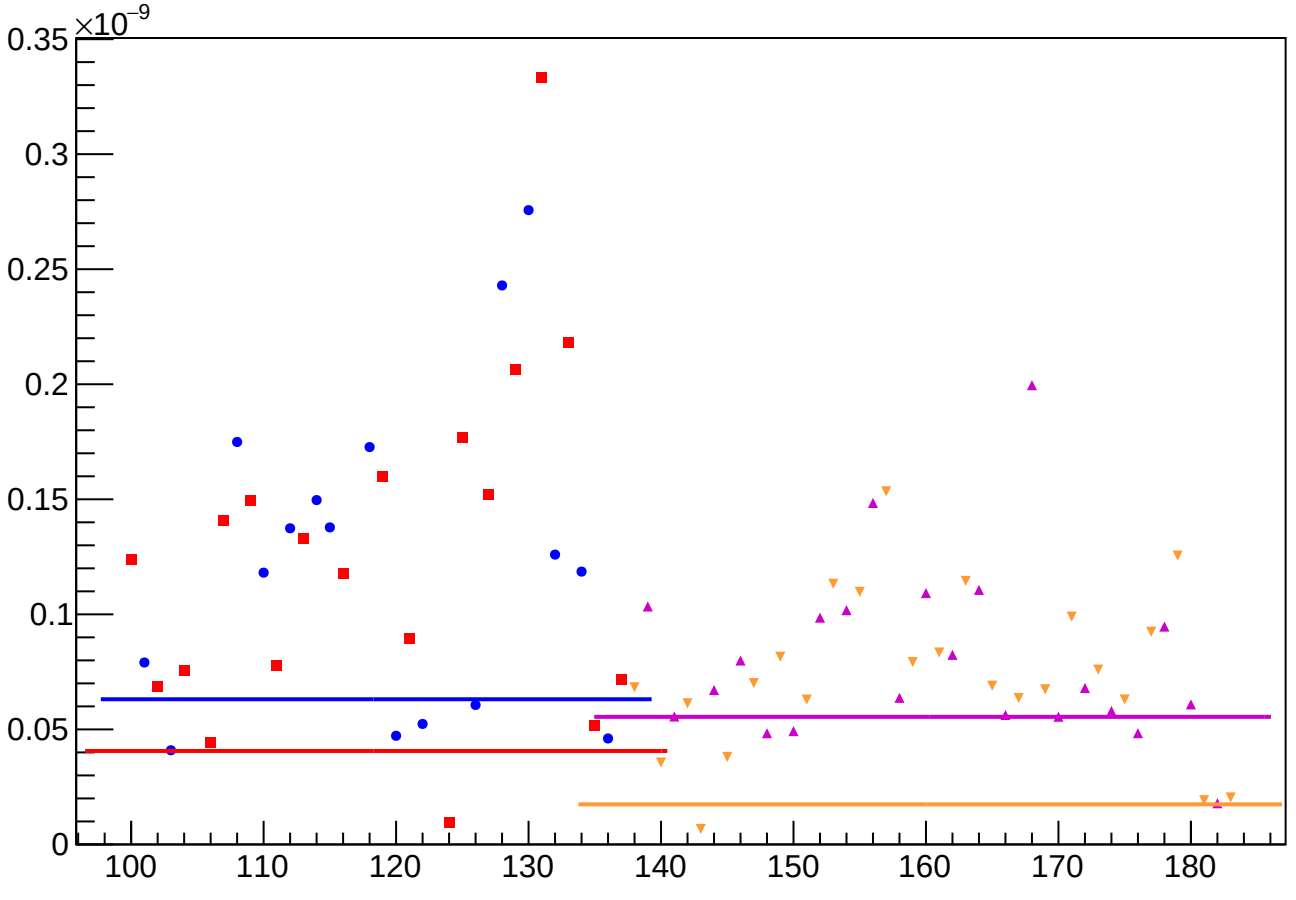
Left: -0.000+/-0.000 χ^2/NDF: 48.8/45

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:41.6/42

All: -0.000+/-0.000 χ^2/NDF: 77.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8855429.9/23

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: 15648070.7/45

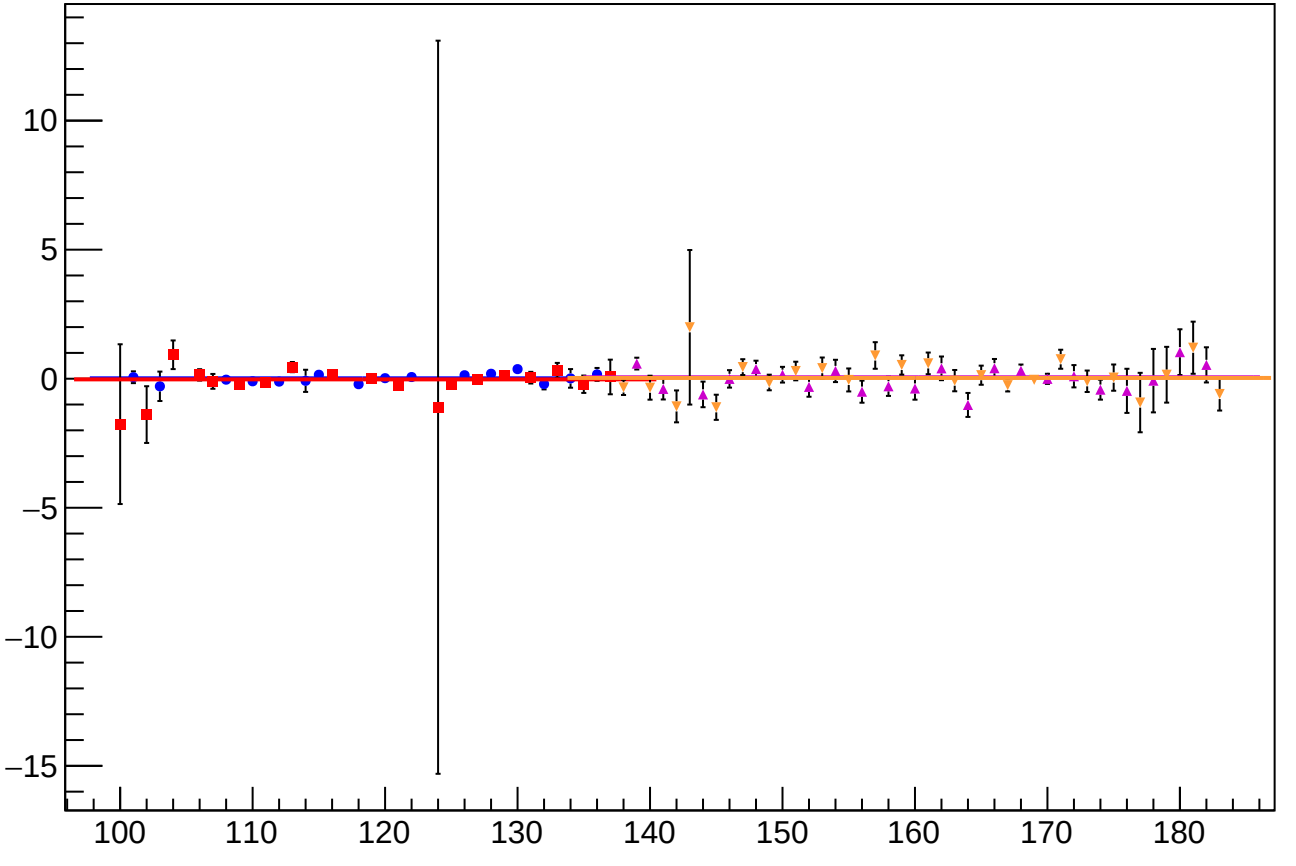
Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:4223929.9/37

Out: 0.000+/-0.000 χ^2/NDF:12793415.1/42

All: 0.000+/-0.000 χ^2/NDF: 21998781.1/80

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: 0.030+/-0.078 χ^2/NDF:29.9/23

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.055+/-0.078 χ^2/NDF:26.0/21

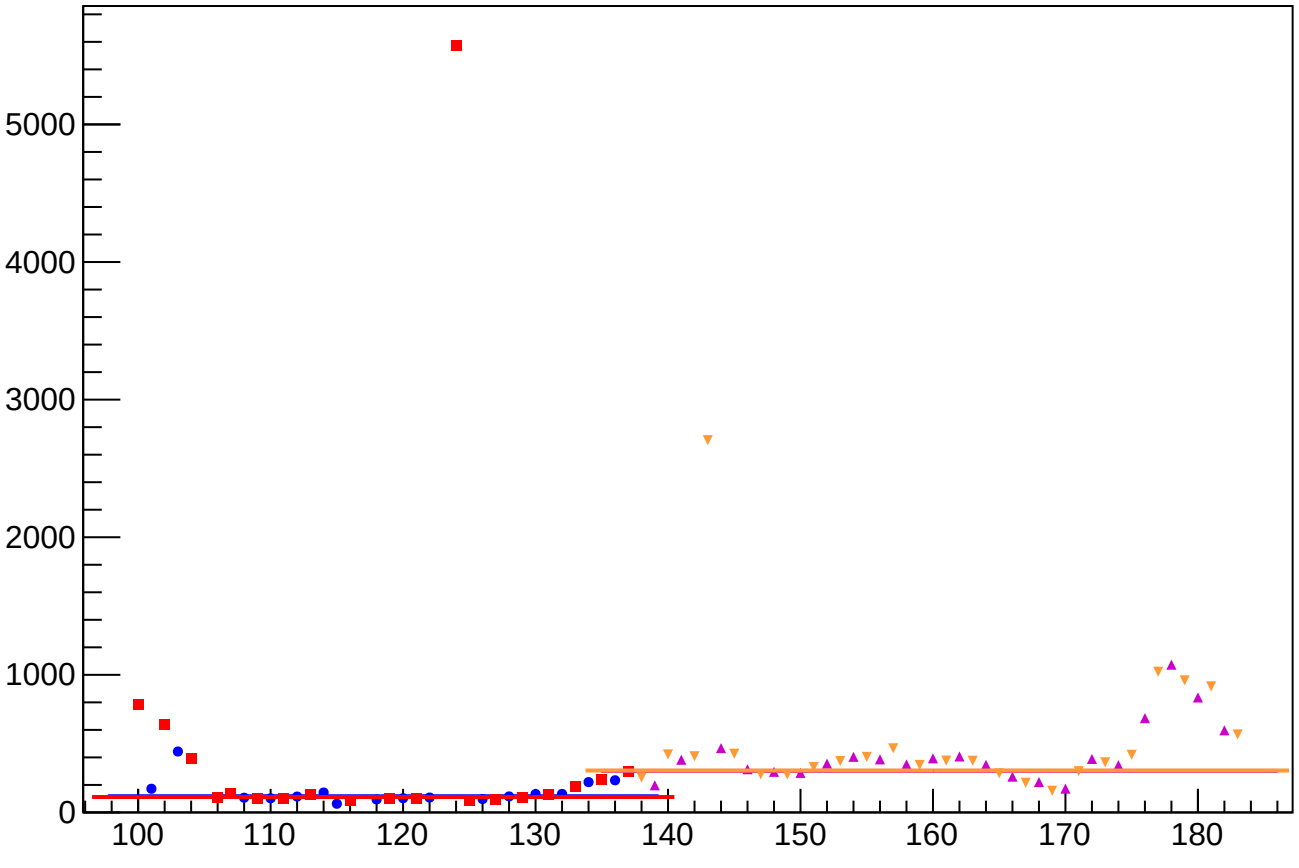
Left: 0.043+/-0.055 χ^2/NDF: 56.0/45

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.026+/-0.041 χ^2/NDF:38.0/37

Out: -0.011+/-0.040 χ^2/NDF:52.4/42

All: 0.007+/-0.029 χ^2/NDF: 90.8/80



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 304.732+/-0.055 χ^2/NDF:6558694.4/23

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 301.851+/-0.055 χ^2/NDF:4709858.2/21

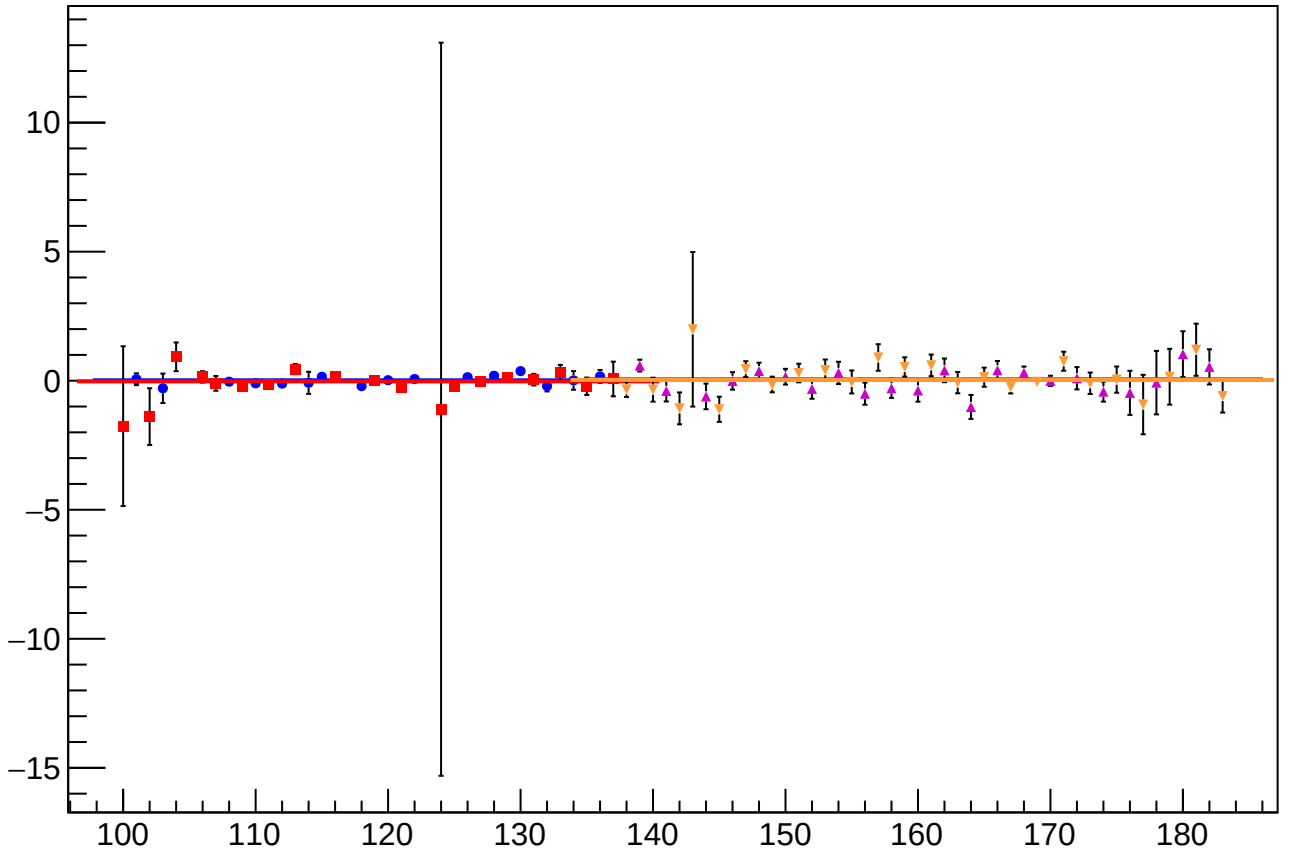
Left: 303.280+/-0.039 χ^2/NDF: 11269920.8/45

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 168.498+/-0.029 χ^2/NDF:14599123.2/37

Out: 162.998+/-0.028 χ^2/NDF:17676418.0/42

All: 165.709+/-0.020 χ^2/NDF: 32294017.5/80



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.030+/-0.078 χ^2/NDF:29.9/23

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: 0.043+/-0.055 χ^2/NDF: 56.0/45

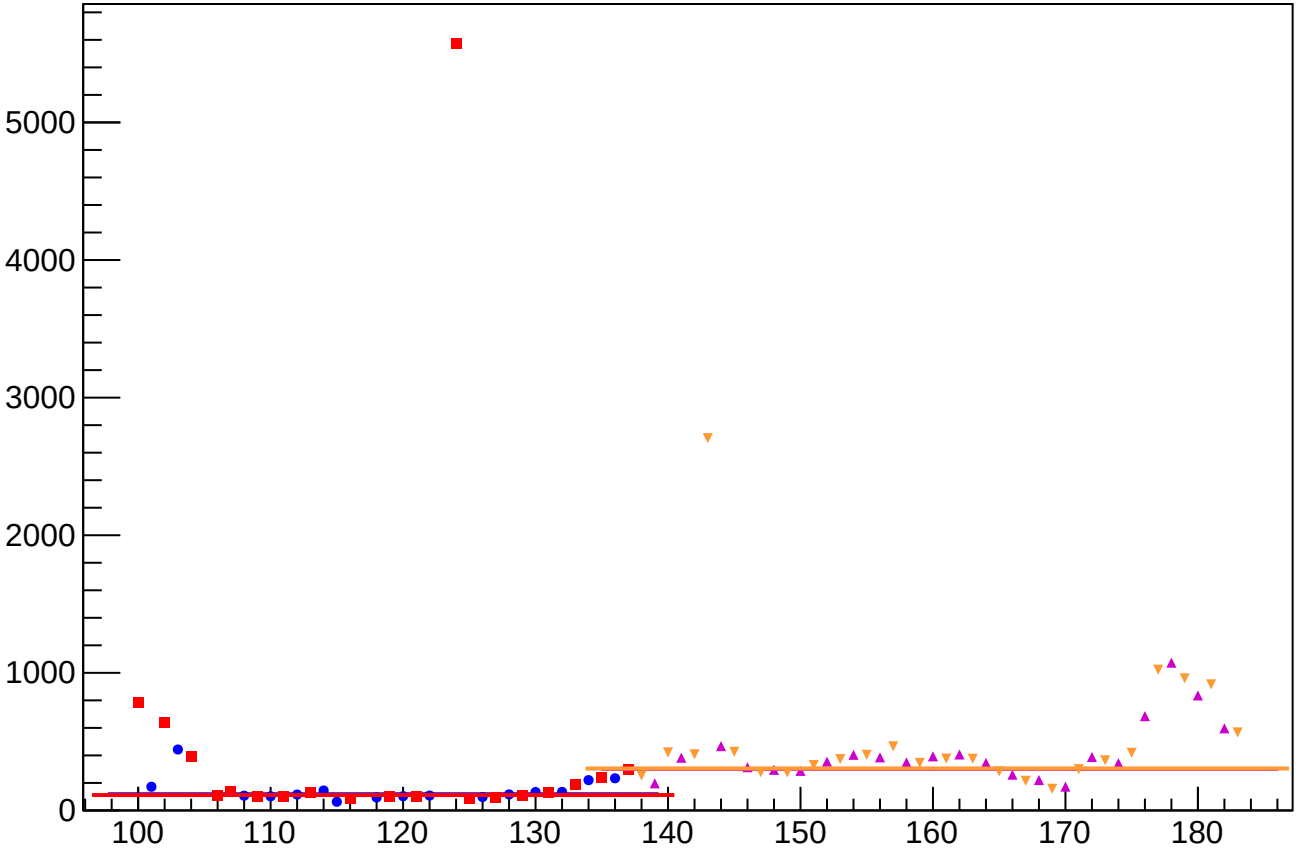
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.026+/-0.041 χ^2/NDF:38.0/37

Out: -0.011+/-0.040 χ^2/NDF:52.4/42

All: 0.007+/-0.029 χ^2/NDF: 90.8/80

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 304.732+/-0.055 χ^2/NDF:6558694.4/23

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 301.851+/-0.055 χ^2/NDF:4709858.2/21

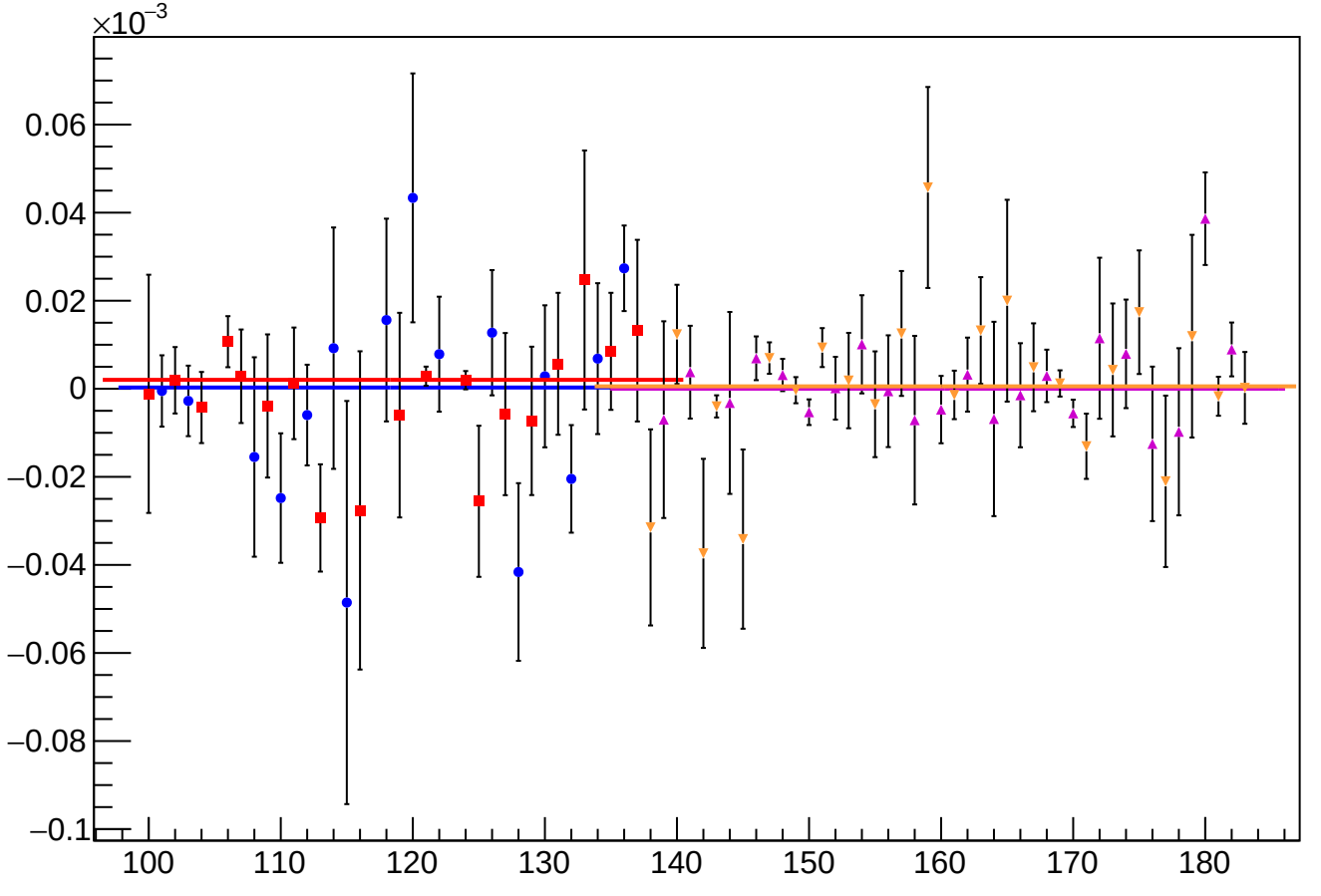
Left: 303.280+/-0.039 χ^2/NDF: 11269920.8/45

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 168.498+/-0.029 χ^2/NDF:14599123.2/37

Out: 162.998+/-0.028 χ^2/NDF:17676418.0/42

All: 165.709+/-0.020 χ^2/NDF: 32294017.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:28.6/21

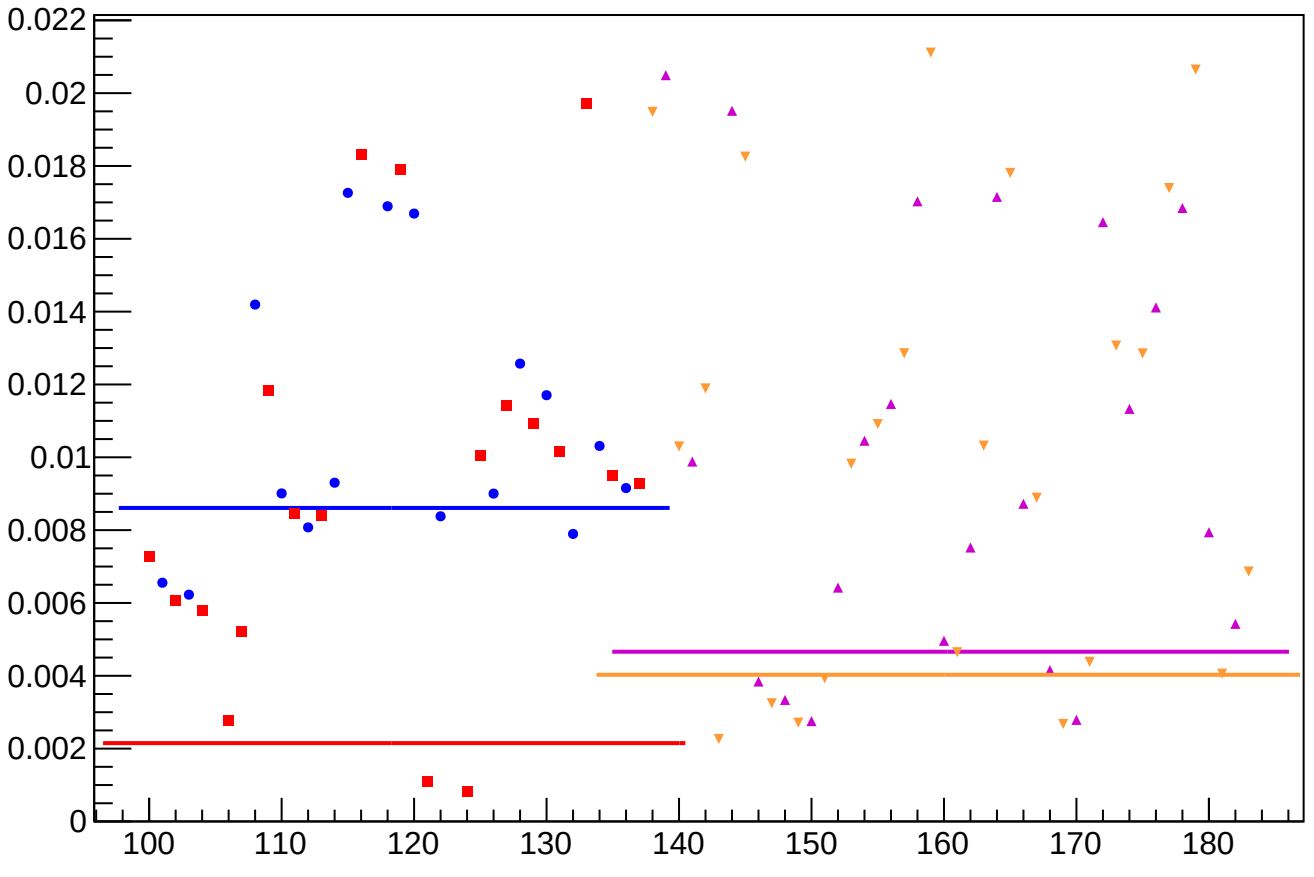
Left: 0.000+/-0.000 χ^2/NDF: 61.9/45

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:48.8/42

All: 0.000+/-0.000 χ^2/NDF: 102.0/80



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:13339532.7/23

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: 24252118.8/45

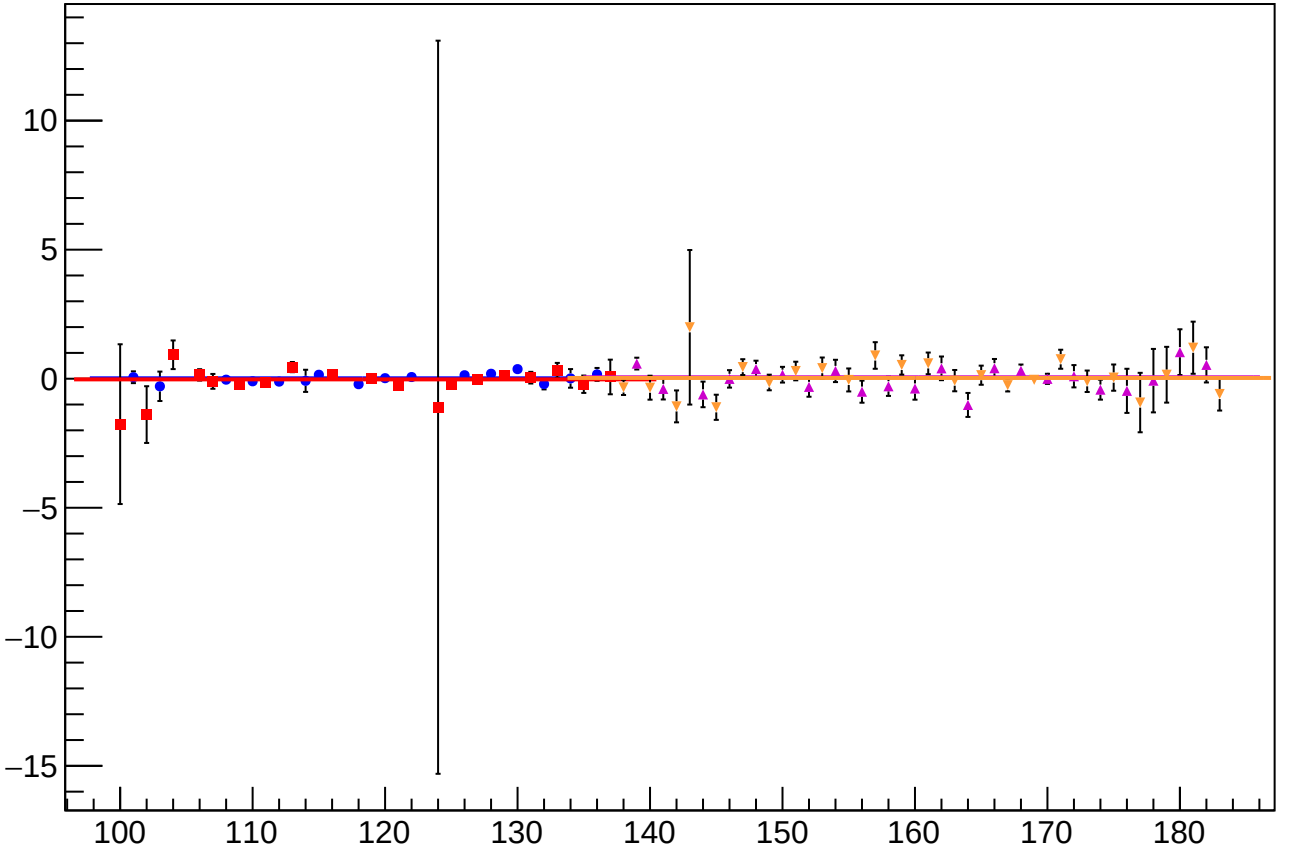
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:14125902.2/37

Out: 0.003+/-0.000 χ^2/NDF:24616432.7/42

All: 0.004+/-0.000 χ^2/NDF: 42135635.3/80

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: 0.030+/-0.078 χ^2/NDF:29.9/23

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: 0.043+/-0.055 χ^2/NDF: 56.0/45

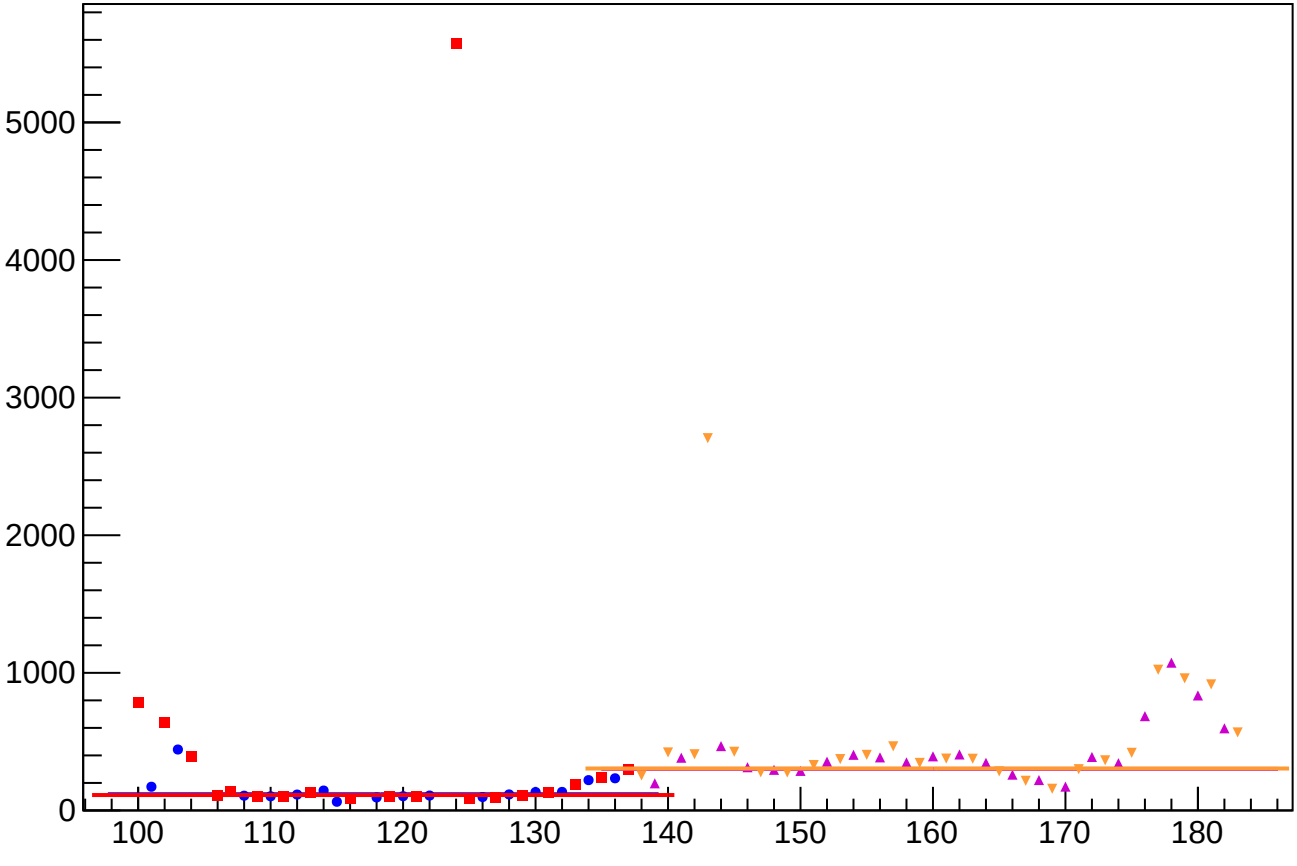
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.026+/-0.041 χ^2/NDF:38.0/37

Out: -0.011+/-0.040 χ^2/NDF:52.4/42

All: 0.007+/-0.029 χ^2/NDF: 90.8/80

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 304.733+/-0.055 χ^2/NDF:6558762.4/23

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: 303.282+/-0.039 χ^2/NDF: 11269970.4/45

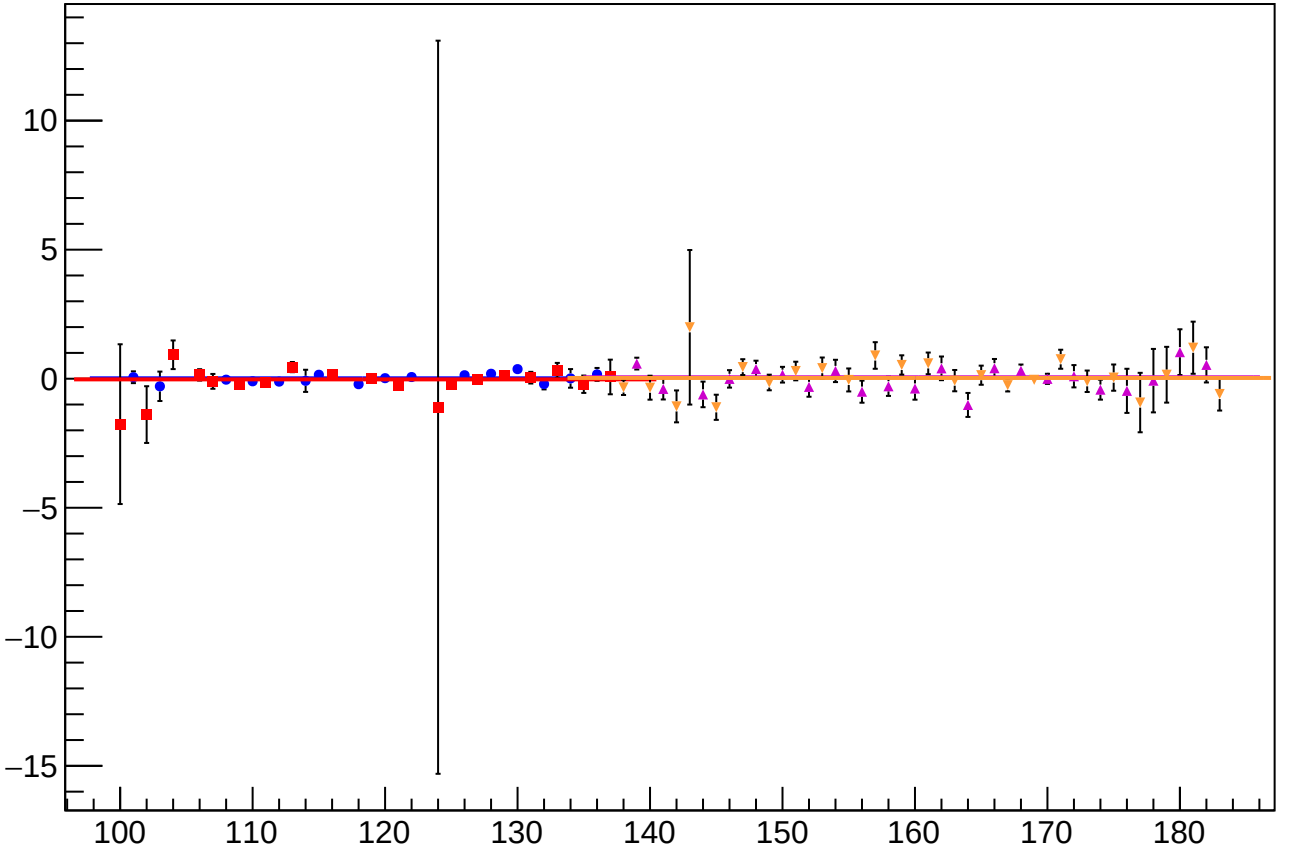
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 168.498+/-0.029 χ^2/NDF:14599215.6/37

Out: 163.000+/-0.028 χ^2/NDF:17676285.8/42

All: 165.711+/-0.020 χ^2/NDF: 32293965.1/80

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: 0.030+/-0.078 χ^2/NDF:29.9/23

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: 0.043+/-0.055 χ^2/NDF: 56.0/45

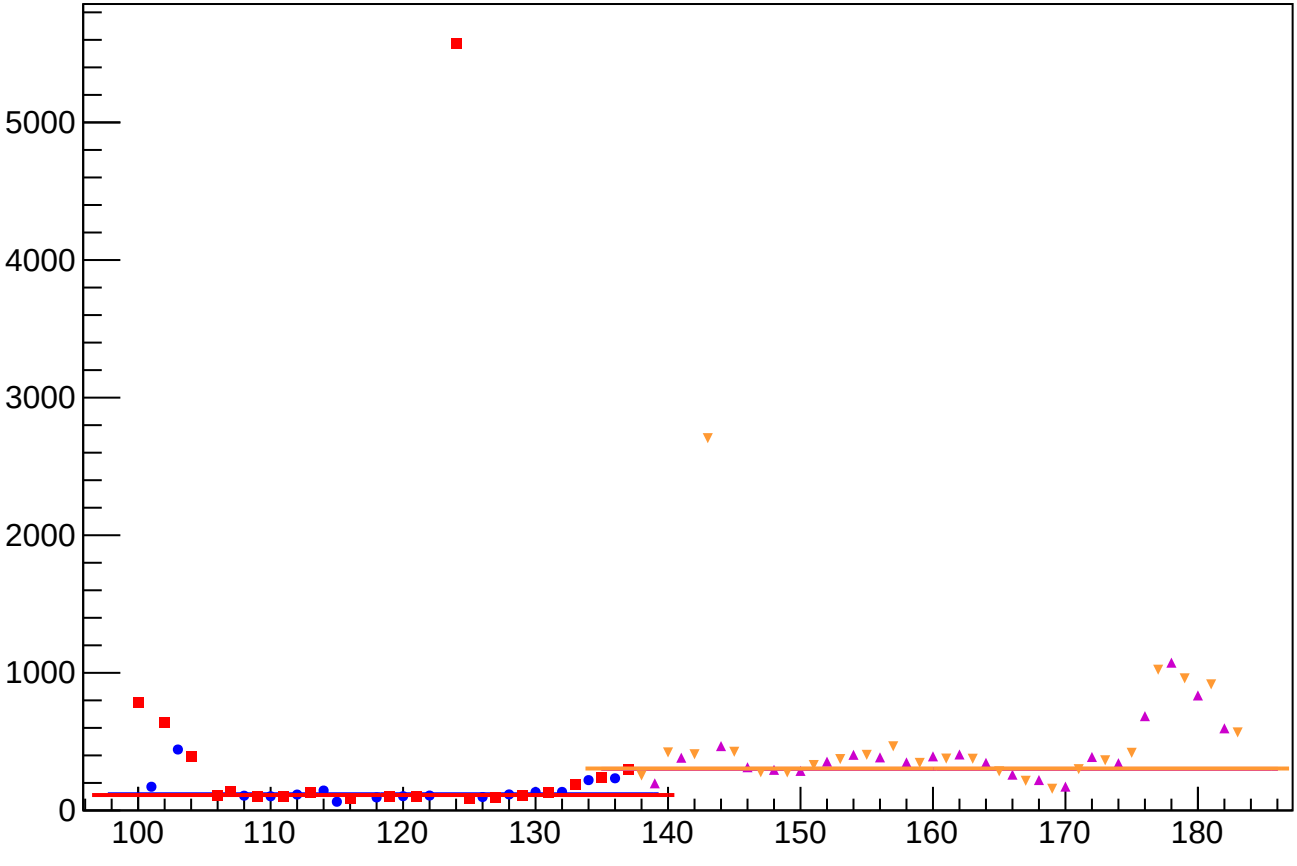
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.026+/-0.041 χ^2/NDF:38.0/37

Out: -0.011+/-0.040 χ^2/NDF:52.4/42

All: 0.007+/-0.029 χ^2/NDF: 90.8/80

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: 304.733+/-0.055 χ^2/NDF:6558762.4/23

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 301.854+/-0.055 χ^2/NDF:4709840.8/21

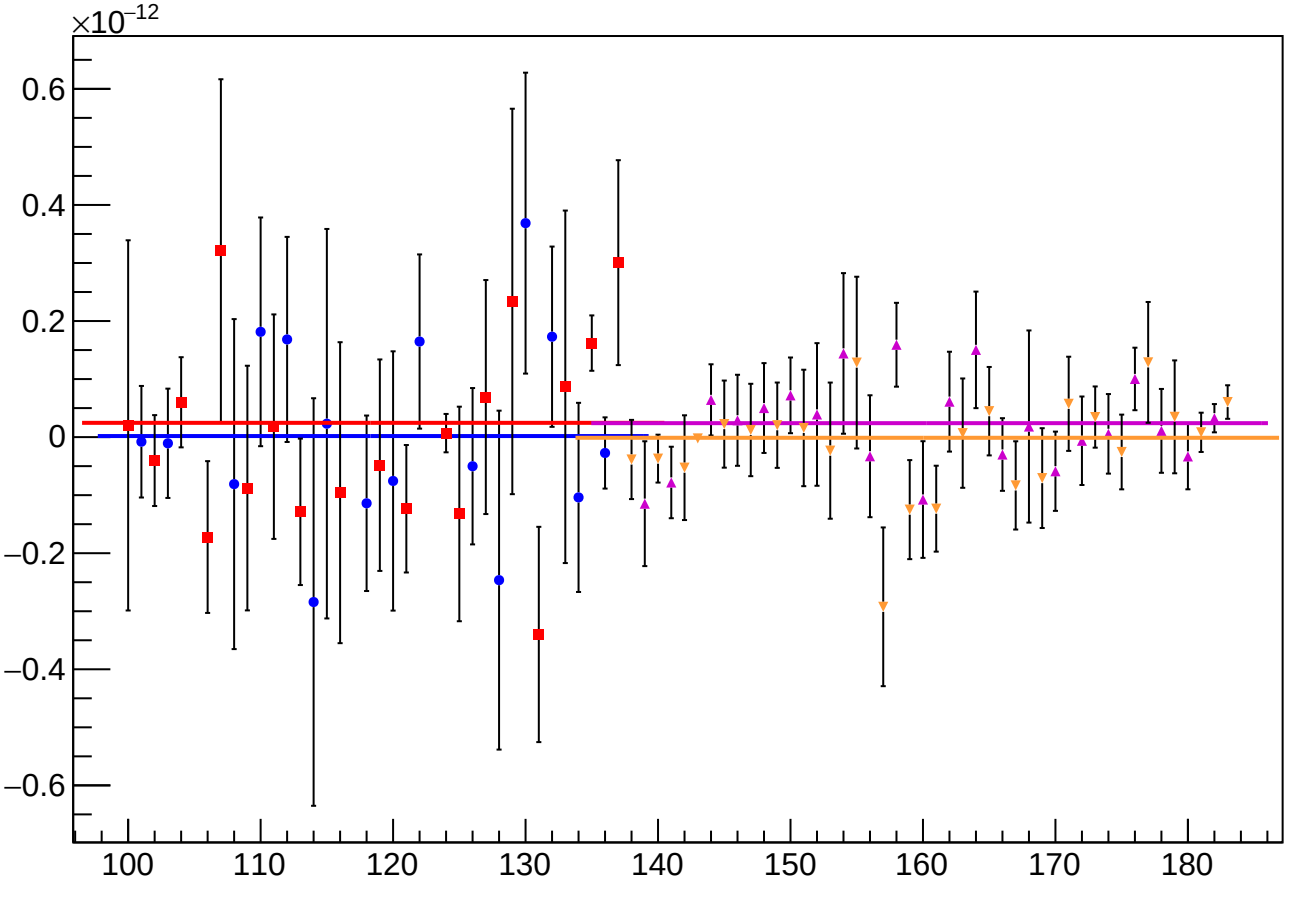
Left: 303.282+/-0.039 χ^2/NDF: 11269970.4/45

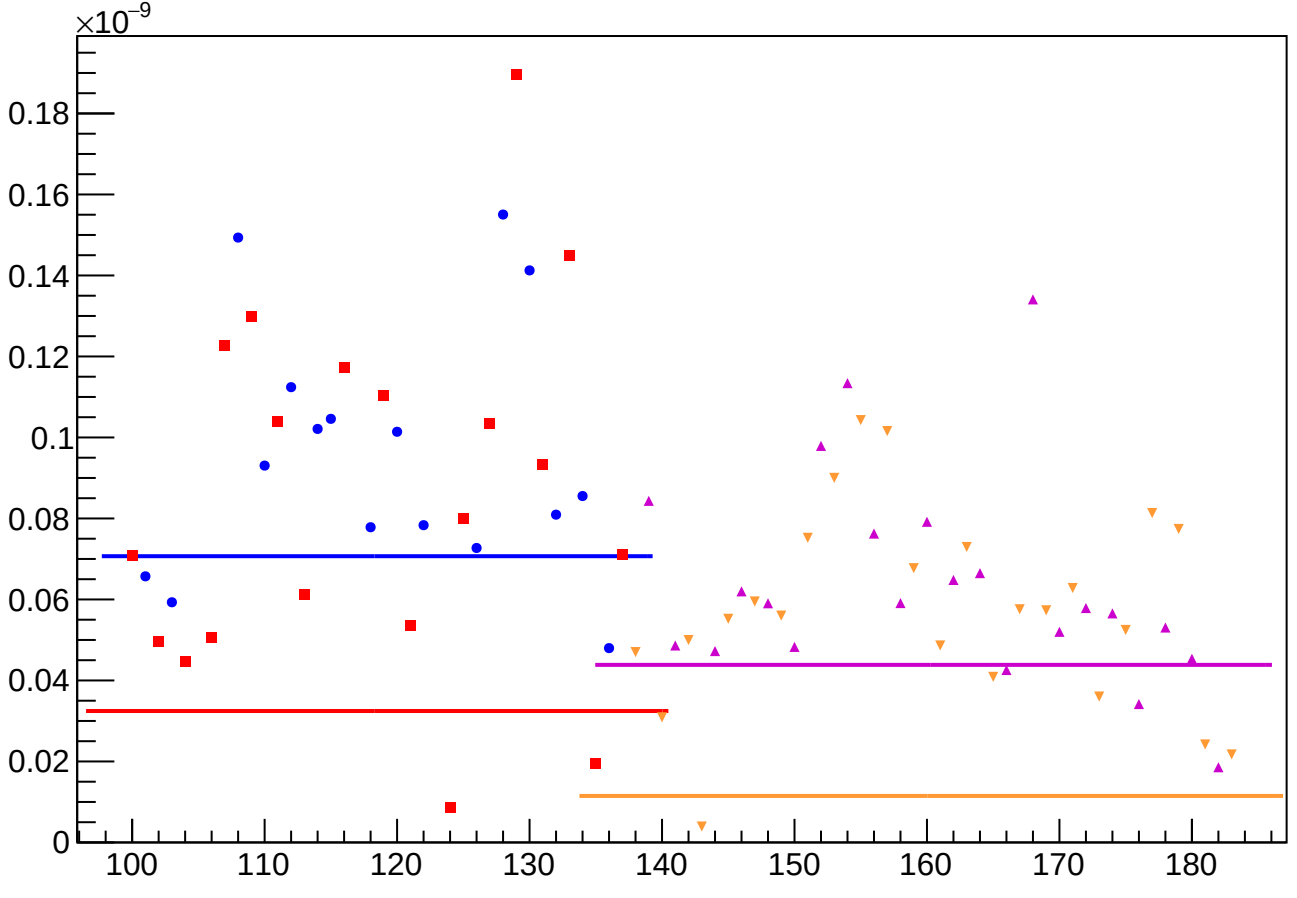
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 168.498+/-0.029 χ^2/NDF:14599215.6/37

Out: 163.000+/-0.028 χ^2/NDF:17676285.8/42

All: 165.711+/-0.020 χ^2/NDF: 32293965.1/80


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:21.4/23
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: 43.5/45
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:47.0/42
All: 0.000+/-0.000 χ²/NDF: 77.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17677428.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5150444.3/21

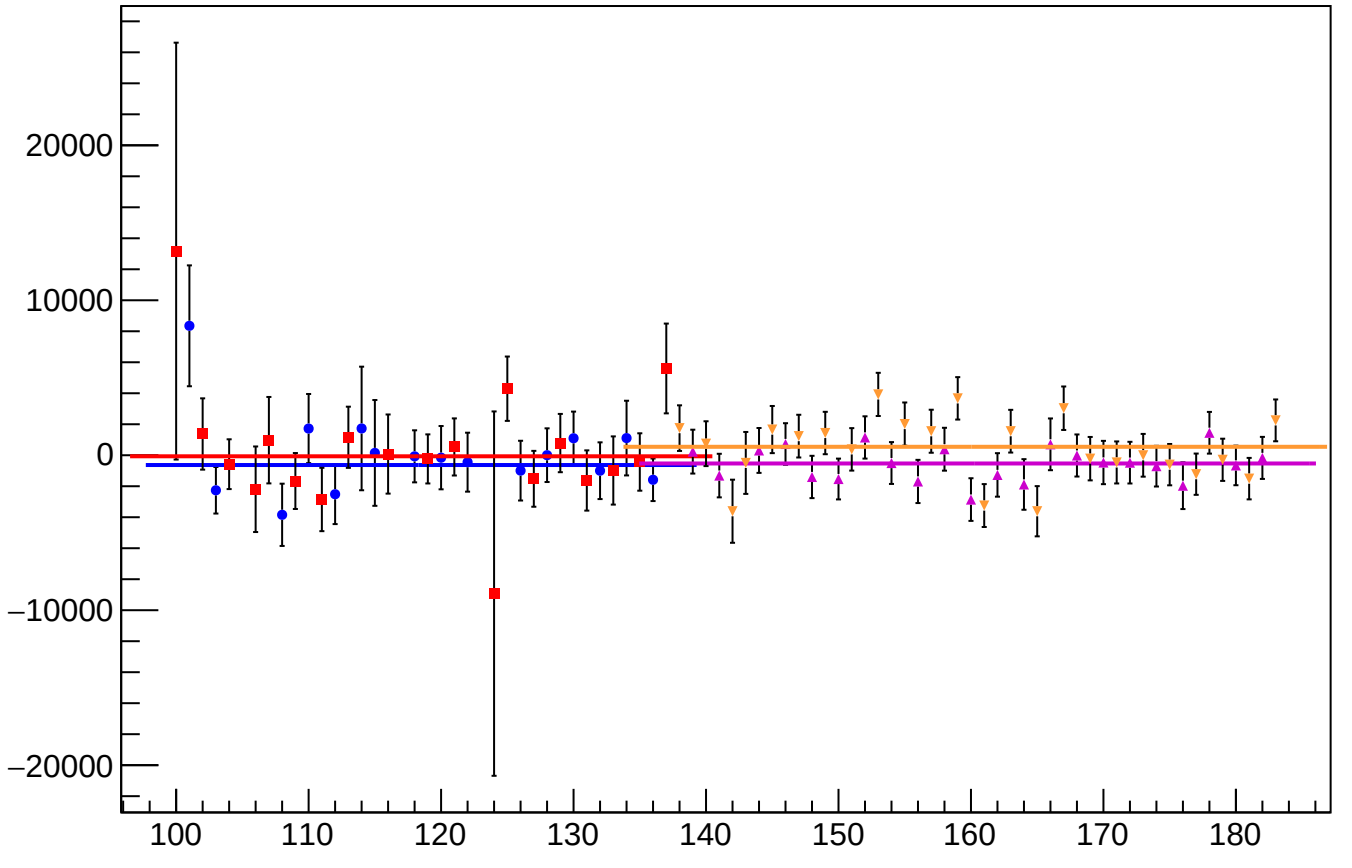
Left: 0.000+/-0.000 χ^2/NDF: 32244717.1/45

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:23876068.1/42

All: 0.000+/-0.000 χ^2/NDF: 43380600.8/80



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.182+/-290.725 χ^2/NDF:44.7/23

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -531.379+/-296.419 χ^2/NDF:13.2/21

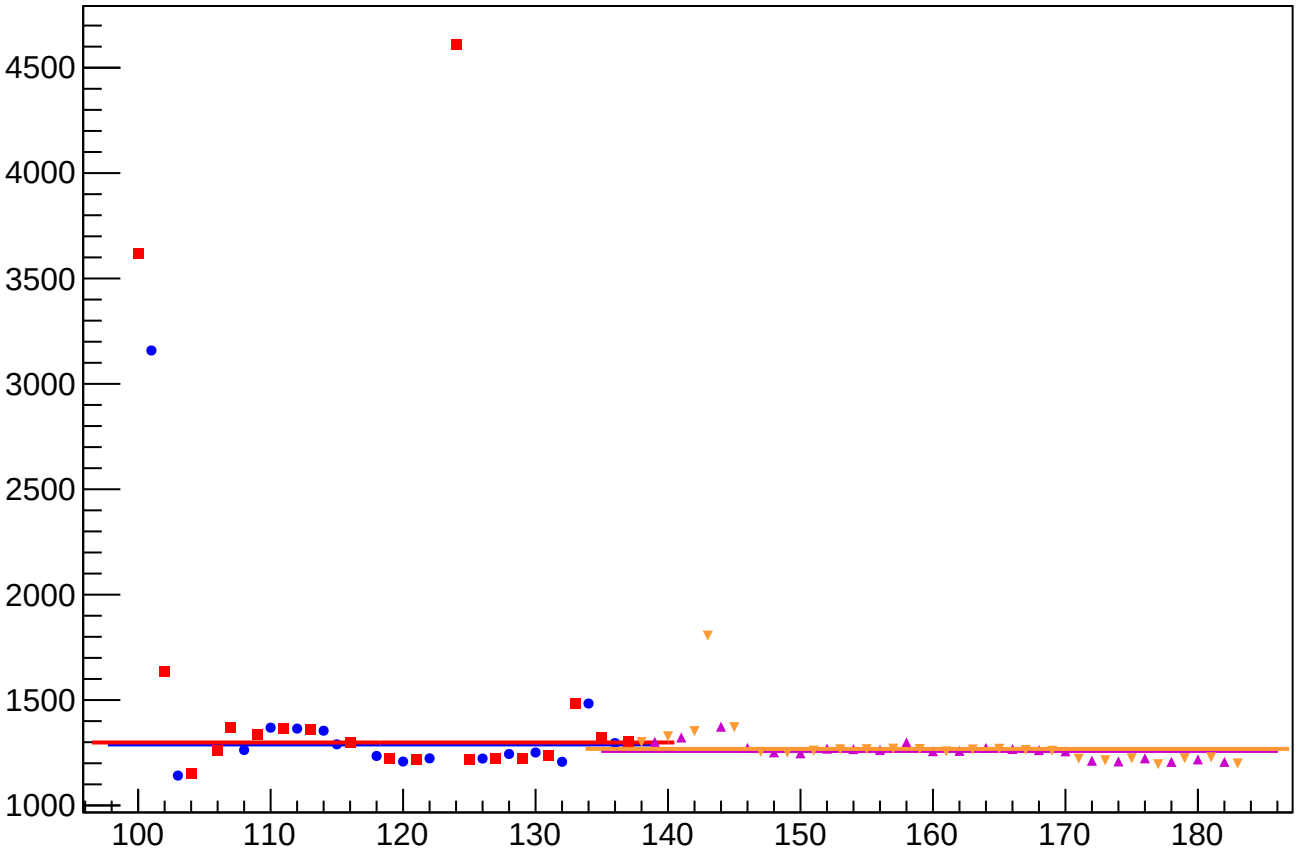
Left: 17.340+/-207.557 χ^2/NDF: 64.6/45

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -558.187+/-253.437 χ^2/NDF:27.1/37

Out: 384.539+/-249.730 χ^2/NDF:61.7/42

All: -79.879+/-177.882 χ^2/NDF: 95.9/80



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.5/23

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: 1263.469+/-0.147 χ^2/NDF: 221825.2/45

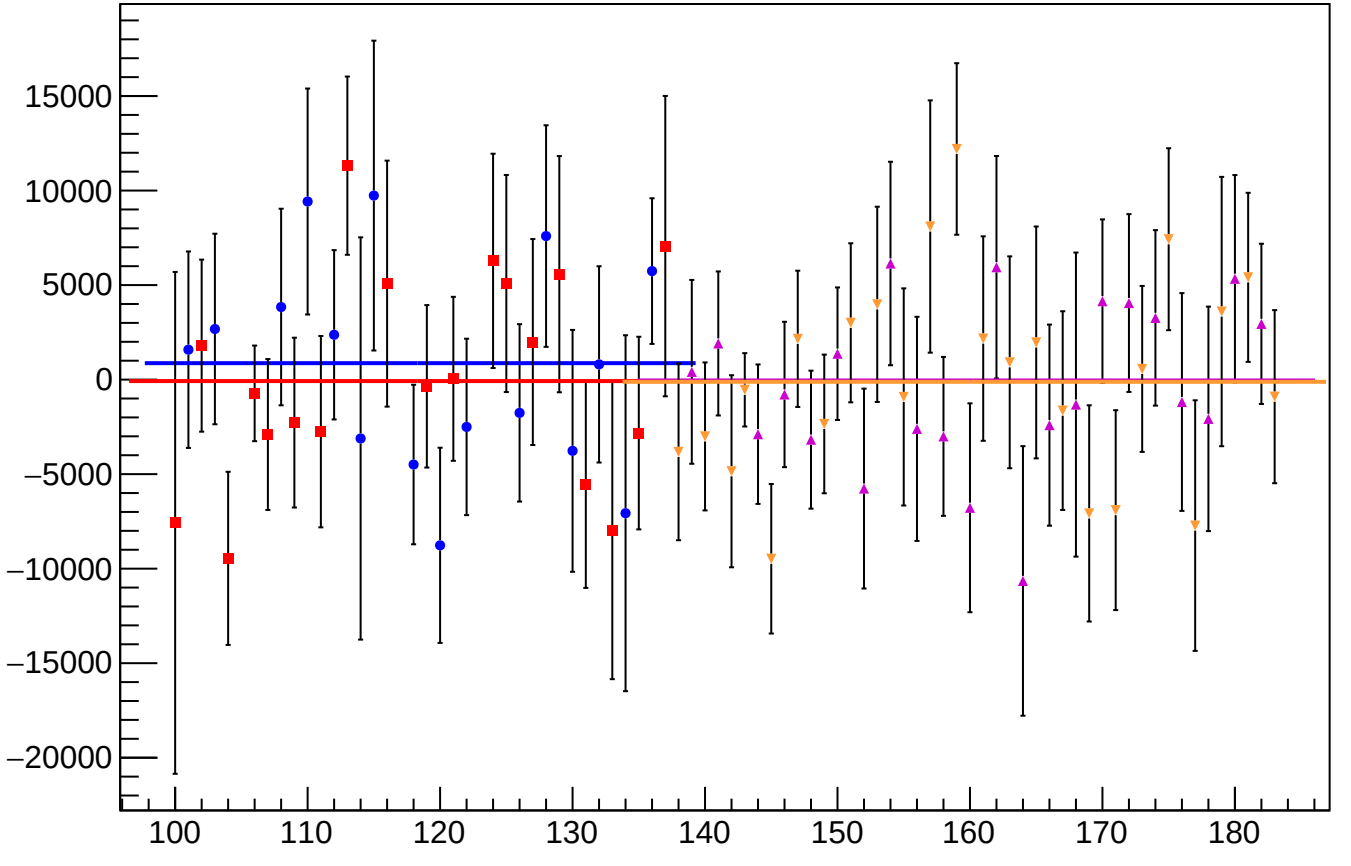
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1266.879+/-0.179 χ^2/NDF:556014.6/37

Out: 1276.202+/-0.176 χ^2/NDF:510415.6/42

All: 1271.612+/-0.126 χ^2/NDF: 1067804.1/80

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -115.787+/-892.046 χ^2/NDF:27.7/23

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -44.515+/-1005.631 χ^2/NDF:13.8/21

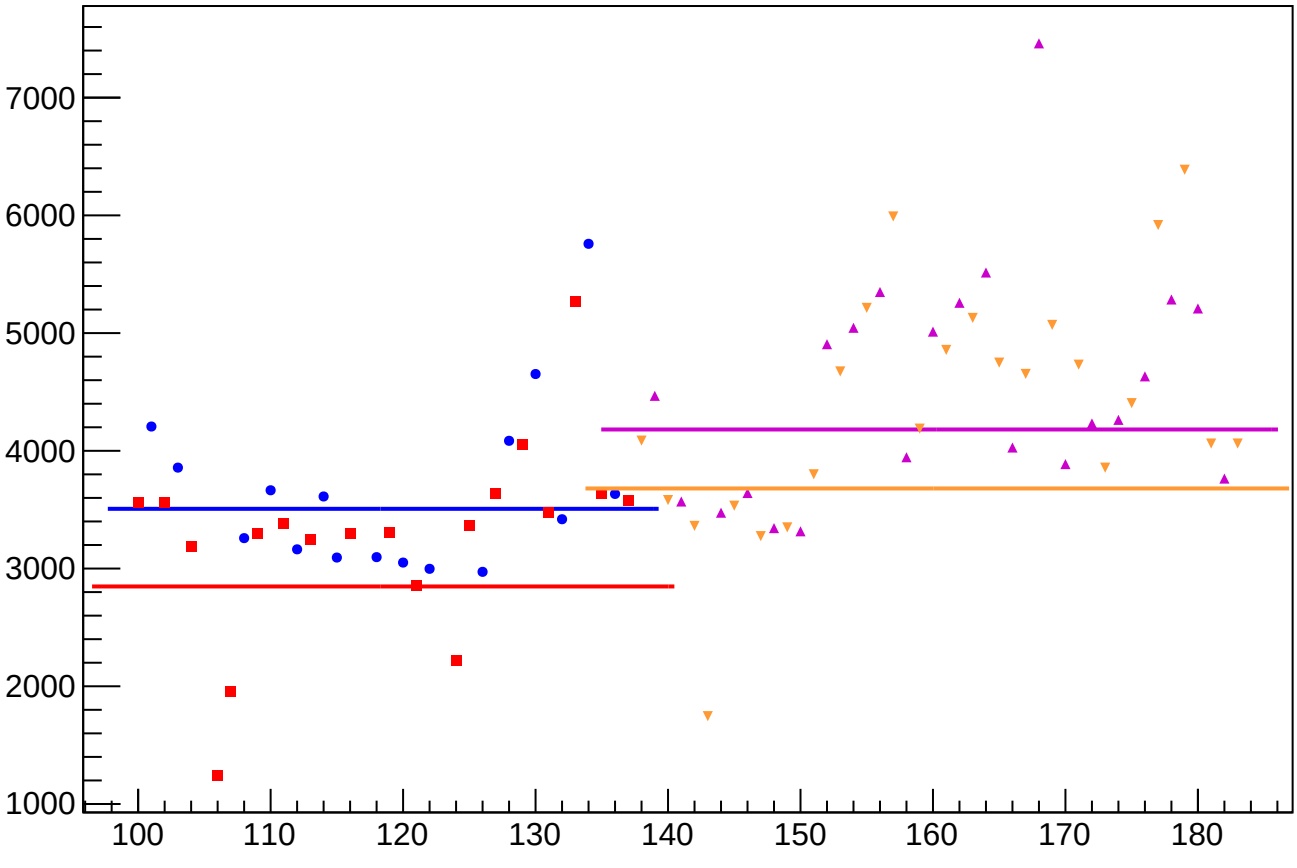
Left: -84.402+/-667.332 χ^2/NDF: 41.5/45

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 289.754+/-801.106 χ^2/NDF:28.1/37

Out: -100.711+/-695.597 χ^2/NDF:46.1/42

All: 67.132+/-525.231 χ^2/NDF: 74.3/80



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3680.236+/-0.631 χ^2/NDF:3689489.6/23

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4181.302+/-0.711 χ^2/NDF:1269136.5/21

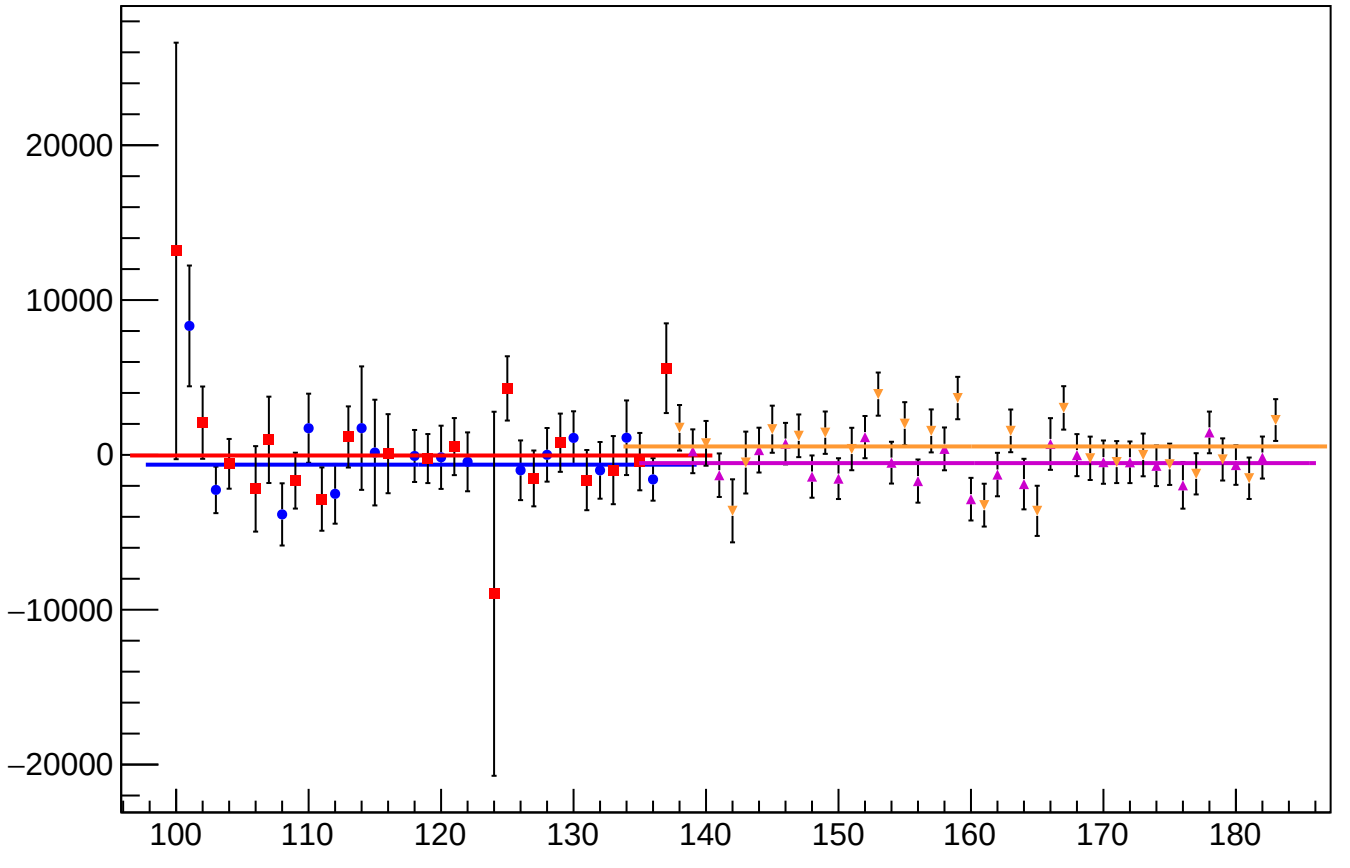
Left: 3900.885+/-0.472 χ^2/NDF: 5236503.2/45

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3935.059+/-0.566 χ^2/NDF:1951298.1/37

Out: 3353.977+/-0.492 χ^2/NDF:5871439.9/42

All: 3603.757+/-0.371 χ^2/NDF: 8422683.4/80



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.206+/-290.725 χ^2/NDF:44.7/23

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -531.298+/-296.419 χ^2/NDF:13.2/21

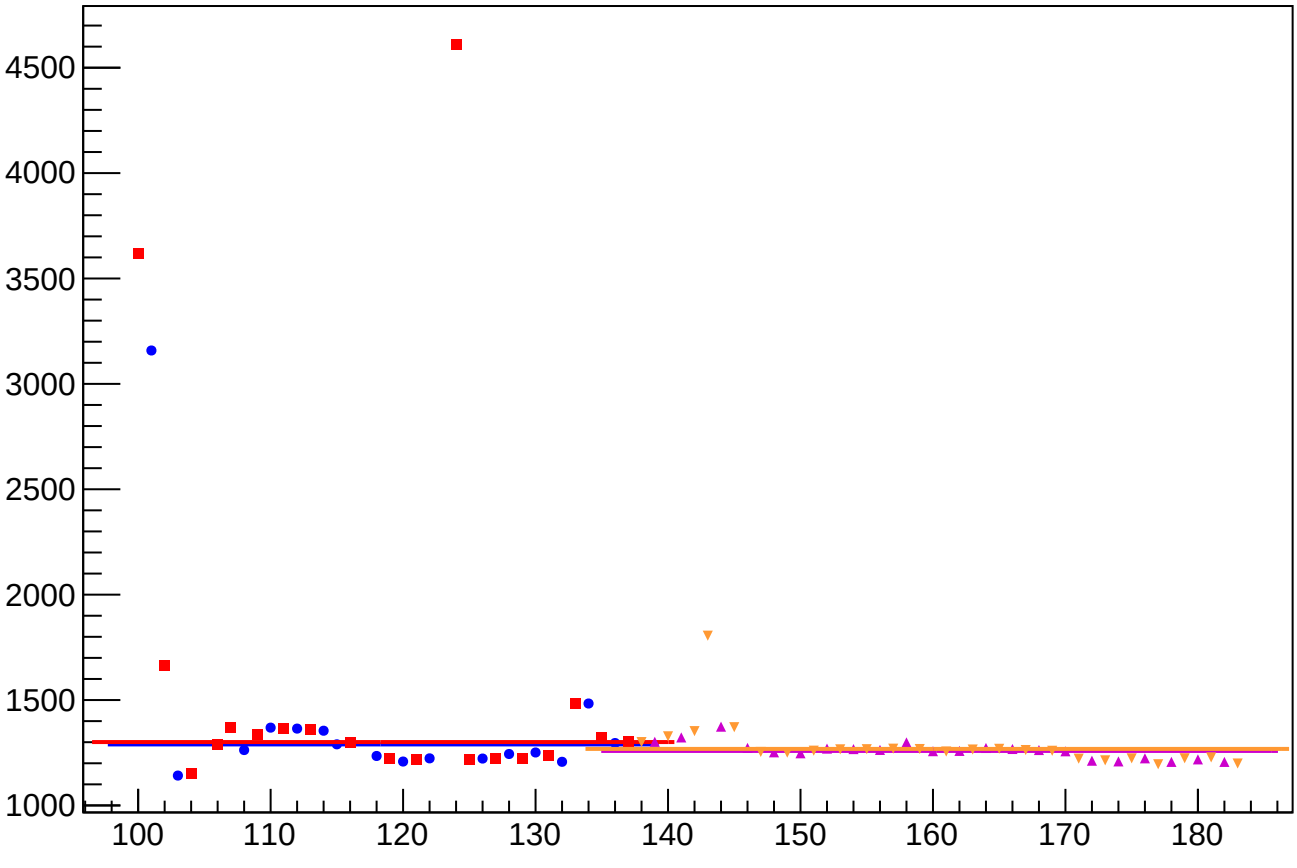
Left: 17.392+/-207.557 χ^2/NDF: 64.6/45

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -558.231+/-253.437 χ^2/NDF:27.1/37

Out: 392.313+/-249.773 χ^2/NDF:62.1/42

All: -76.039+/-177.898 χ^2/NDF: 96.3/80



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.4/23

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

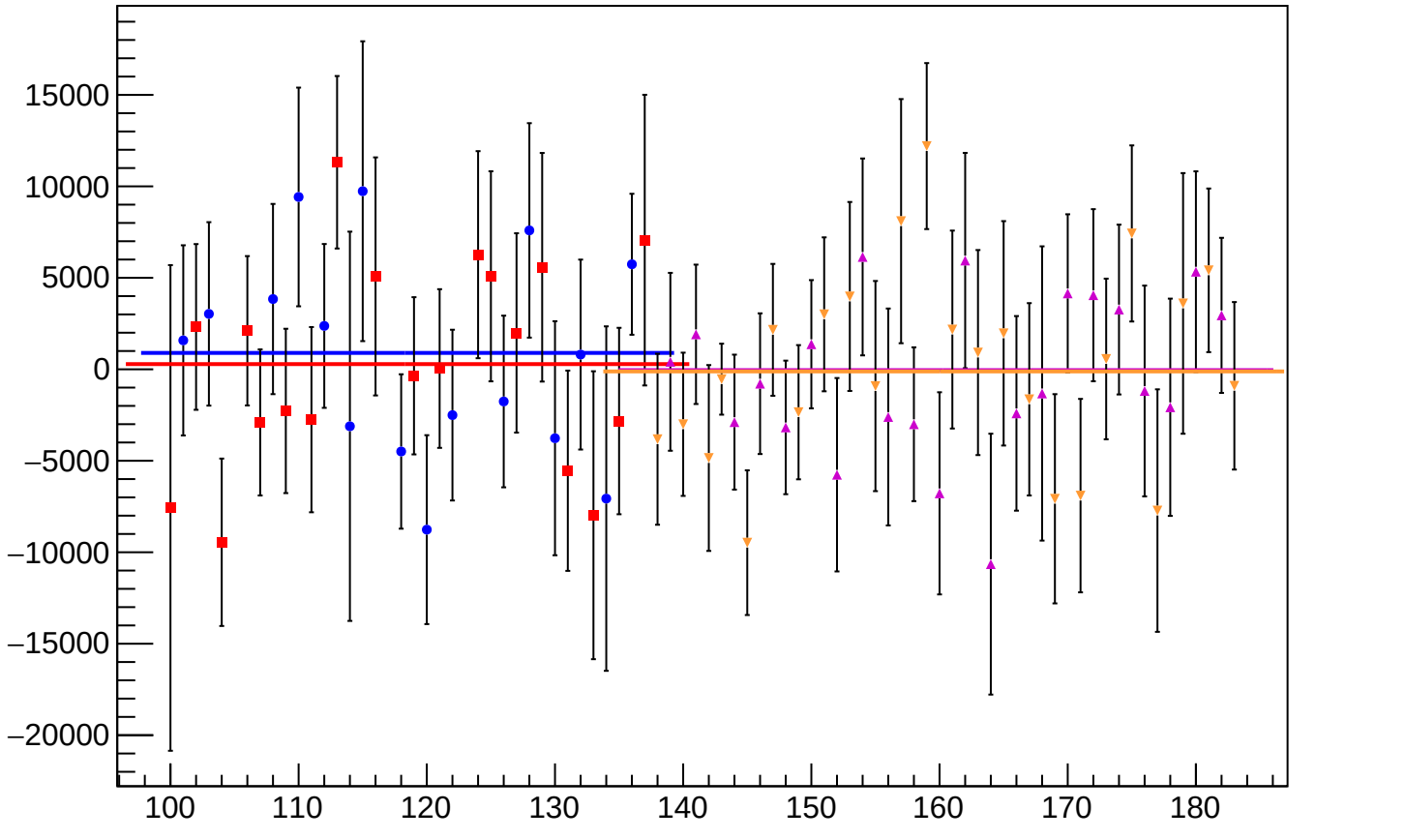
Left: 1263.469+/-0.147 χ^2/NDF: 221825.2/45

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.879+/-0.179 χ^2/NDF:556015.9/37

Out: 1276.718+/-0.177 χ^2/NDF:517729.9/42

All: 1271.872+/-0.126 χ^2/NDF: 1075275.5/80



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -115.719+/-892.045 χ^2/NDF:27.7/23

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -44.524+/-1005.630 χ^2/NDF:13.8/21

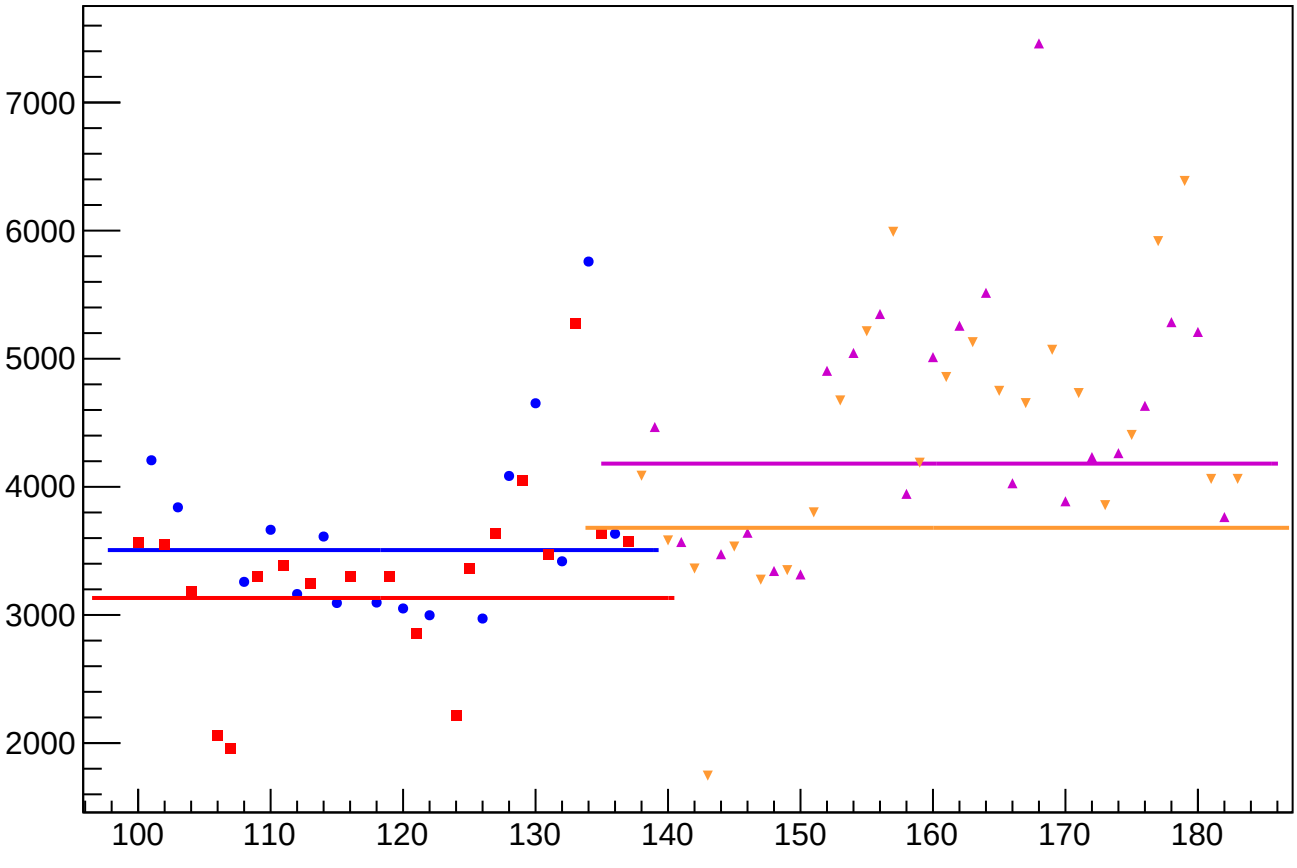
Left: -84.367+/-667.332 χ^2/NDF: 41.5/45

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 299.296+/-801.004 χ^2/NDF:28.2/37

Out: 29.134+/-712.285 χ^2/NDF:46.4/42

All: 148.431+/-532.276 χ^2/NDF: 74.6/80



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4181.297+/-0.711 χ^2/NDF:1269133.7/21

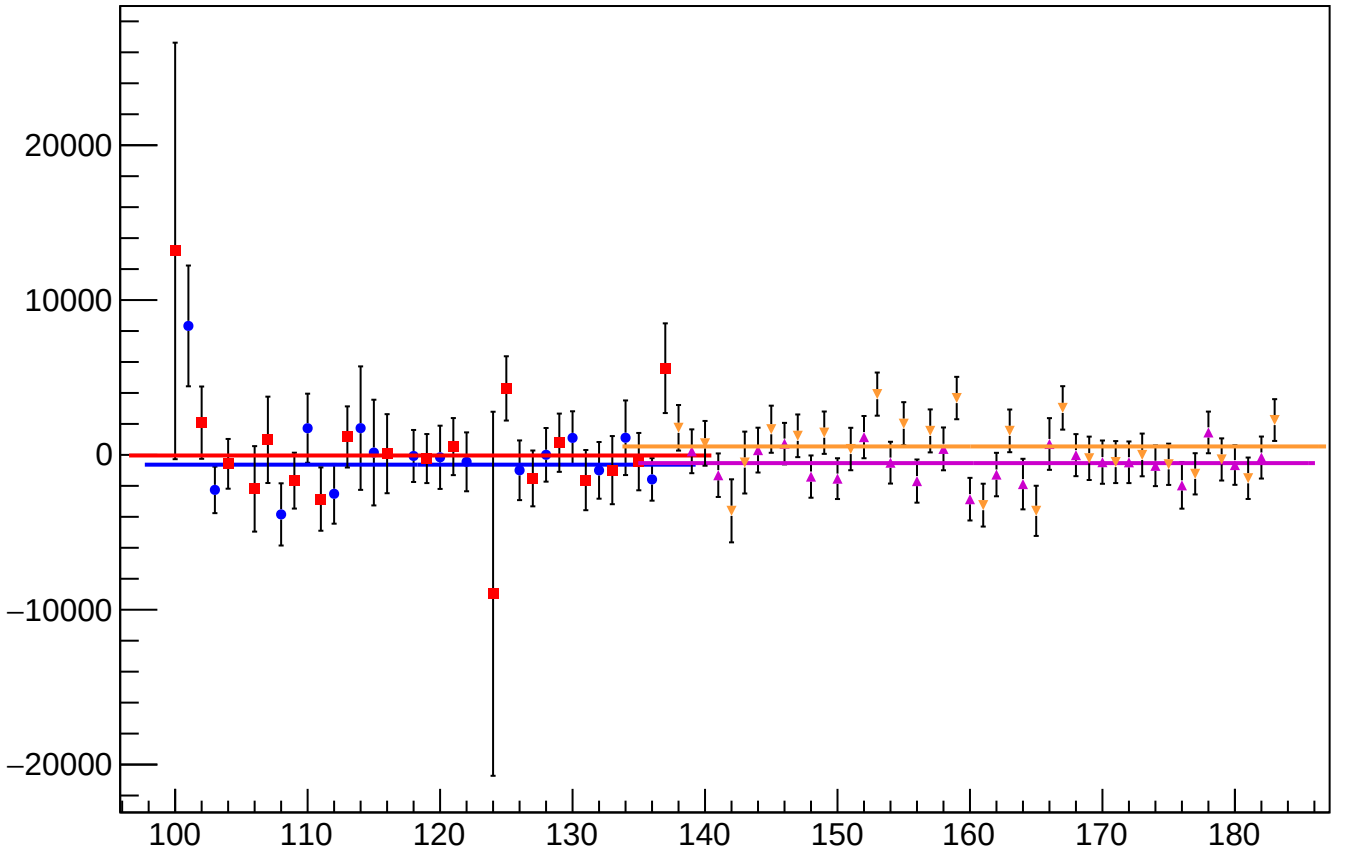
Left: 3900.879+/-0.472 χ^2/NDF: 5236543.6/45

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3934.615+/-0.566 χ^2/NDF:1951582.7/37

Out: 3481.752+/-0.504 χ^2/NDF:4612329.7/42

All: 3681.725+/-0.376 χ^2/NDF: 6920905.5/80



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.206+/-290.725 χ^2/NDF:44.7/23

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -531.298+/-296.419 χ^2/NDF:13.2/21

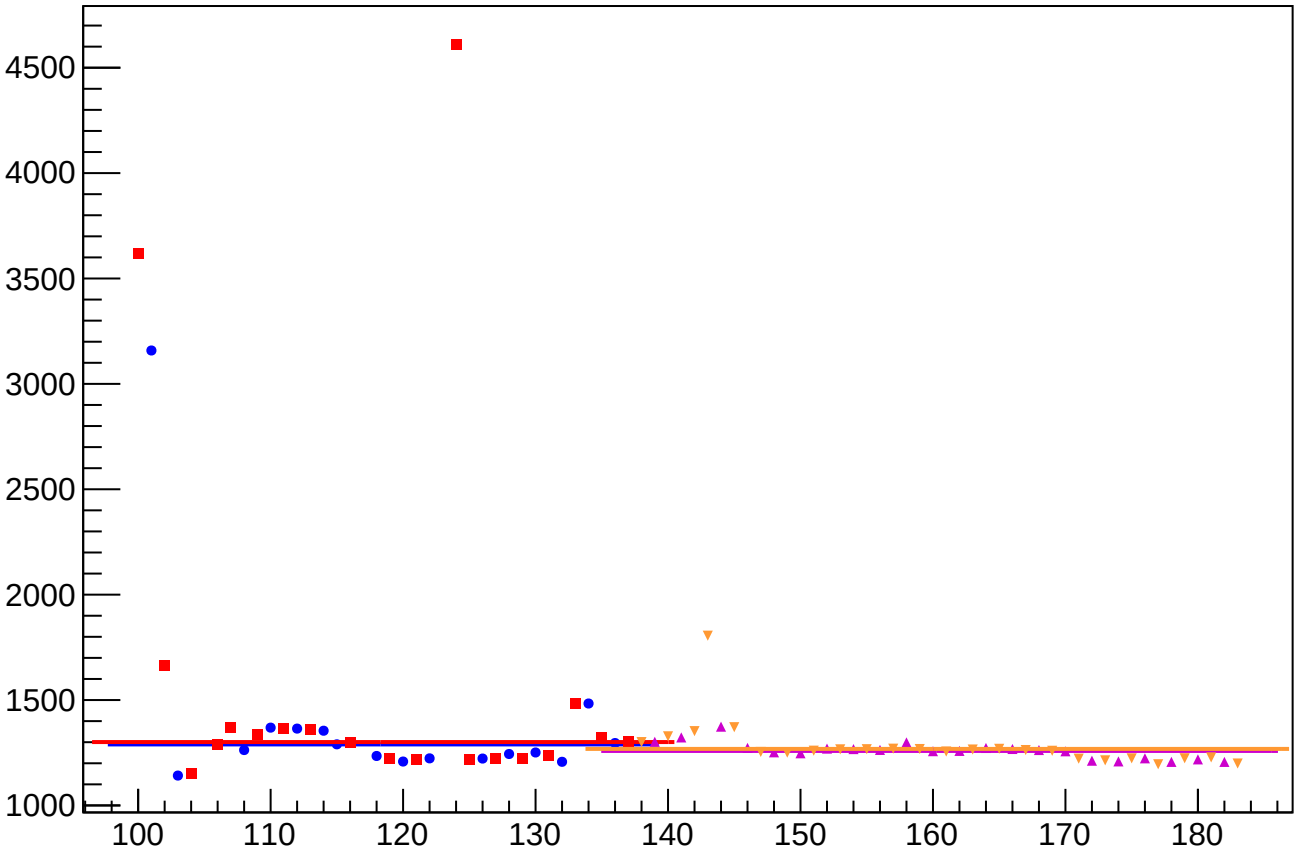
Left: 17.392+/-207.557 χ^2/NDF: 64.6/45

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -558.231+/-253.437 χ^2/NDF:27.1/37

Out: 392.313+/-249.773 χ^2/NDF:62.1/42

All: -76.039+/-177.898 χ^2/NDF: 96.3/80



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.4/23

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

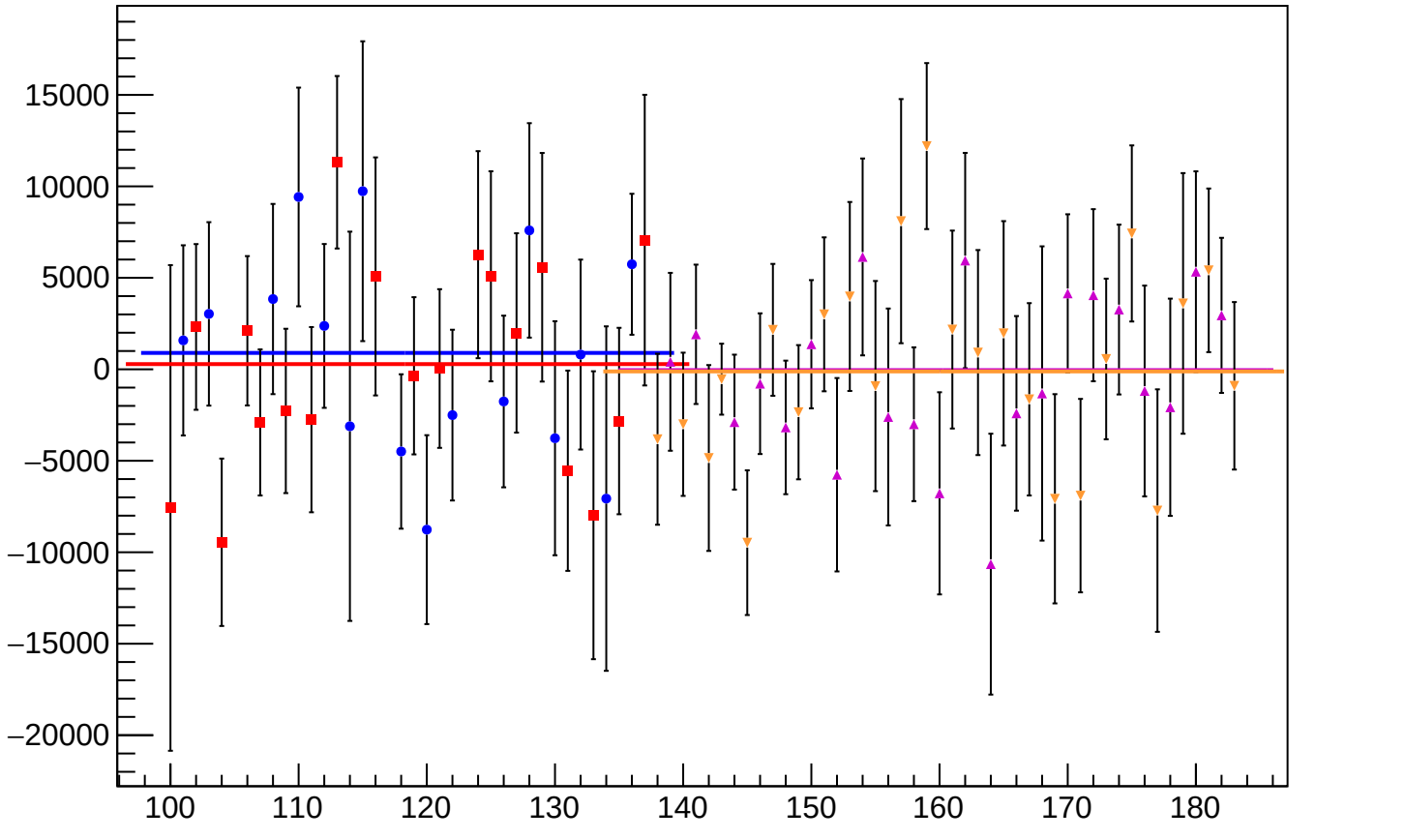
Left: 1263.469+/-0.147 χ^2/NDF: 221825.2/45

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.879+/-0.179 χ^2/NDF:556015.9/37

Out: 1276.718+/-0.177 χ^2/NDF:517729.9/42

All: 1271.872+/-0.126 χ^2/NDF: 1075275.5/80



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -115.719+/-892.045 χ^2/NDF:27.7/23

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -44.524+/-1005.630 χ^2/NDF:13.8/21

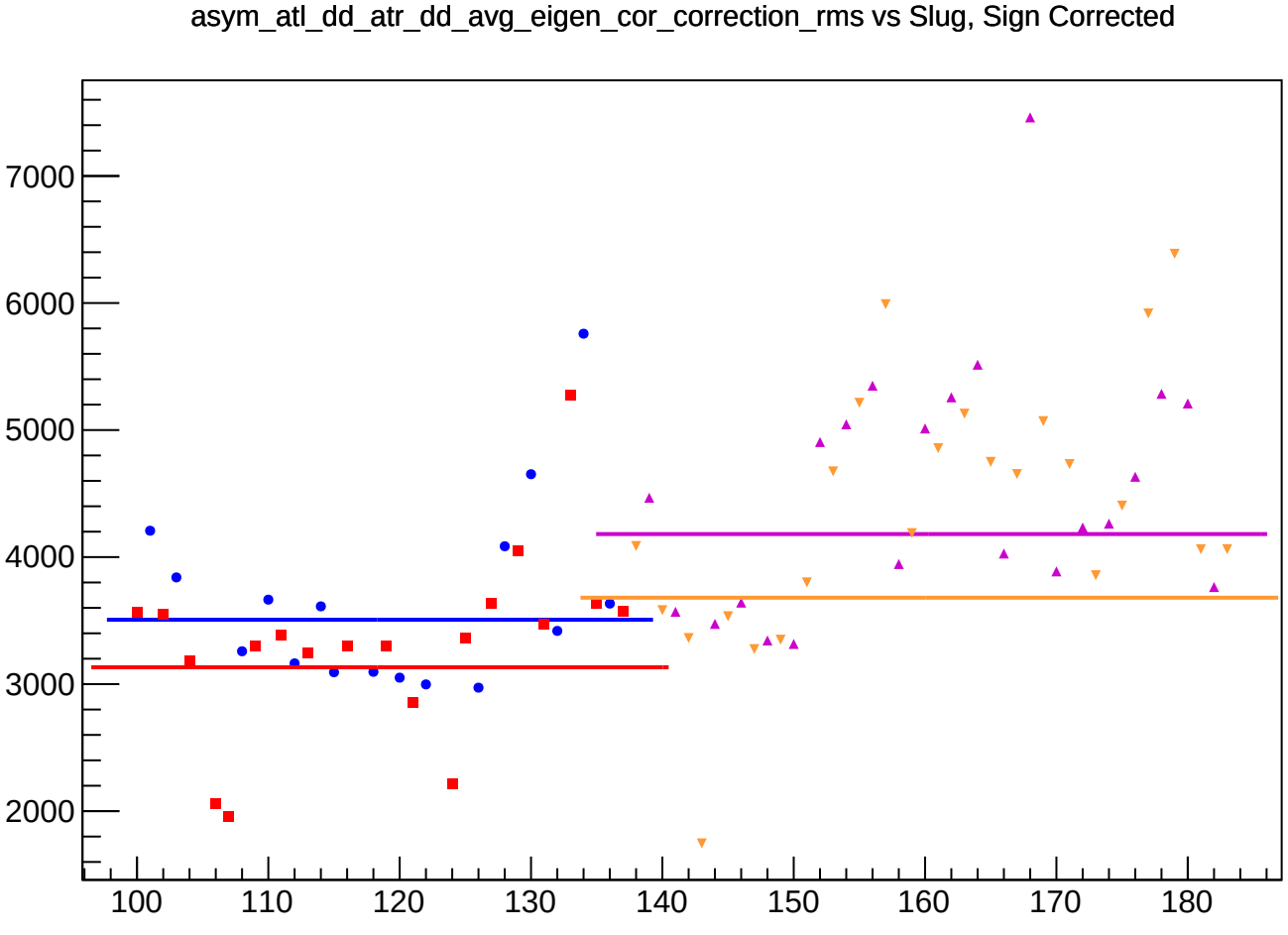
Left: -84.367+/-667.332 χ^2/NDF: 41.5/45

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 299.296+/-801.004 χ^2/NDF:28.2/37

Out: 29.134+/-712.285 χ^2/NDF:46.4/42

All: 148.431+/-532.276 χ^2/NDF: 74.6/80



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4181.297+/-0.711 χ^2/NDF:1269133.7/21

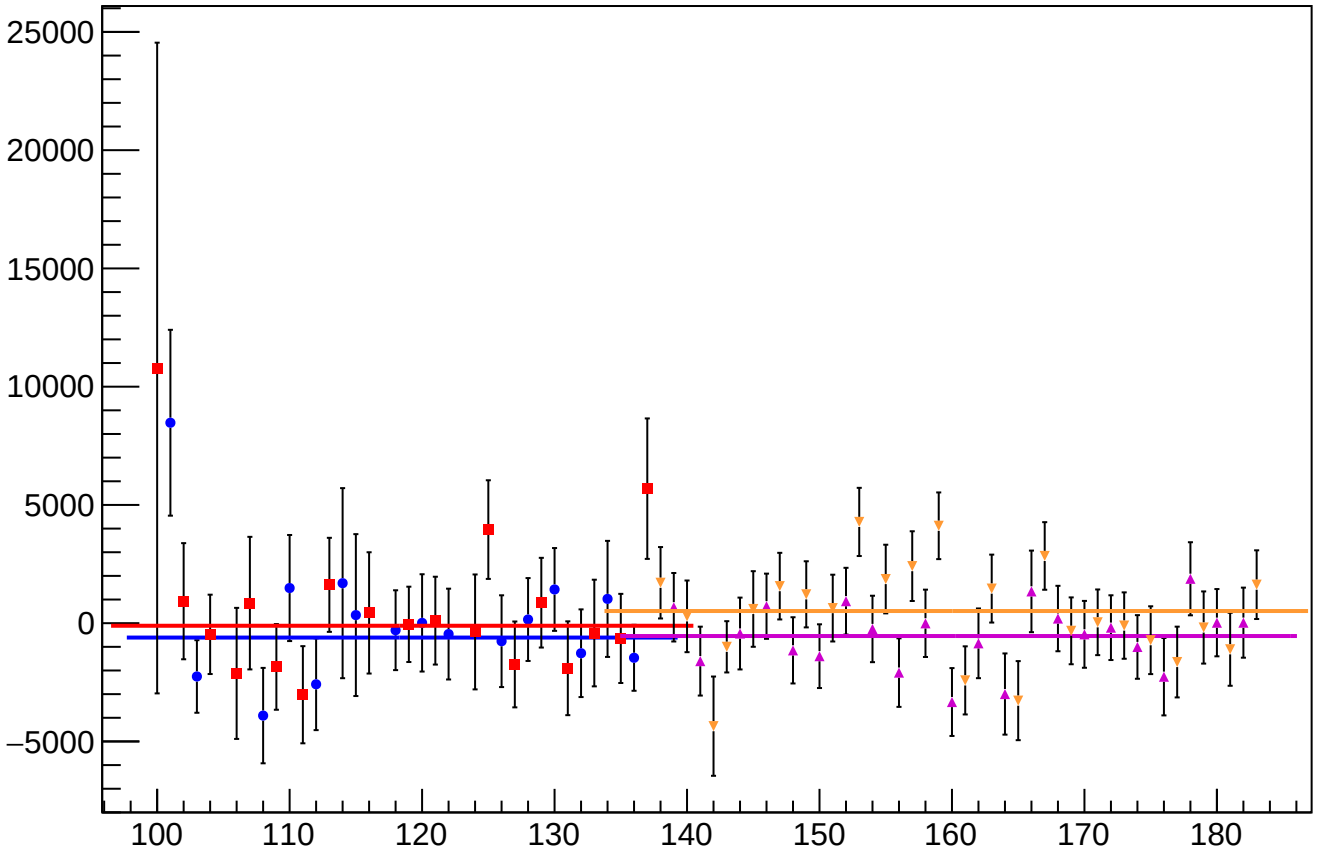
Left: 3900.879+/-0.472 χ^2/NDF: 5236543.6/45

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3934.615+/-0.566 χ^2/NDF:1951582.7/37

Out: 3481.752+/-0.504 χ^2/NDF:4612329.7/42

All: 3681.725+/-0.376 χ^2/NDF: 6920905.5/80



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 514.229+/-296.438 χ^2/NDF:42.4/23

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -542.806+/-309.764 χ^2/NDF:16.5/21

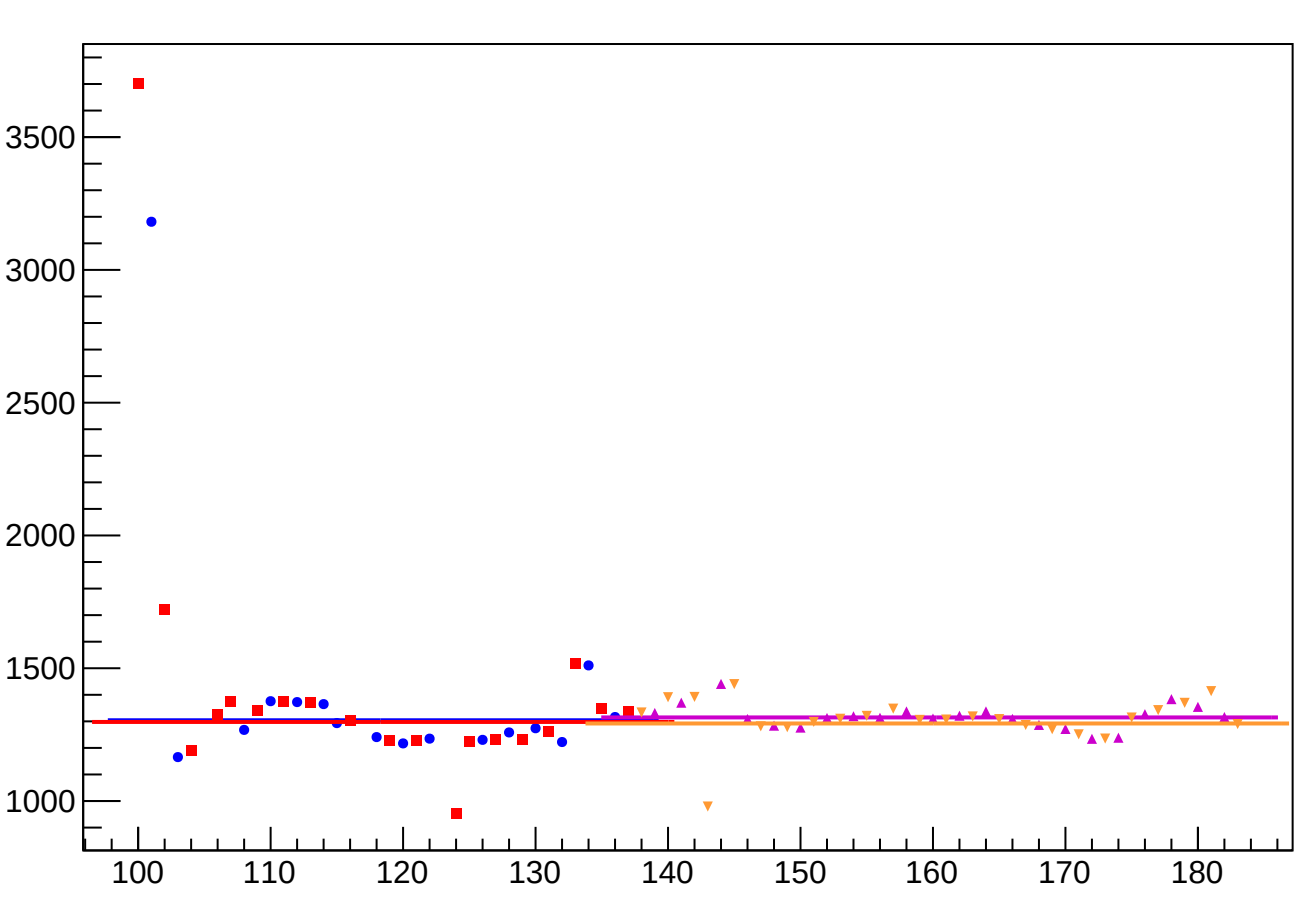
Left: 8.936+/-214.169 χ^2/NDF: 65.0/45

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -561.148+/-262.464 χ^2/NDF:30.6/37

Out: 345.111+/-253.012 χ^2/NDF:58.5/42

All: -91.406+/-182.156 χ^2/NDF: 95.3/80



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1292.005+/-0.210 χ^2/NDF:229756.3/23

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.793+/-0.219 χ^2/NDF:42303.0/21

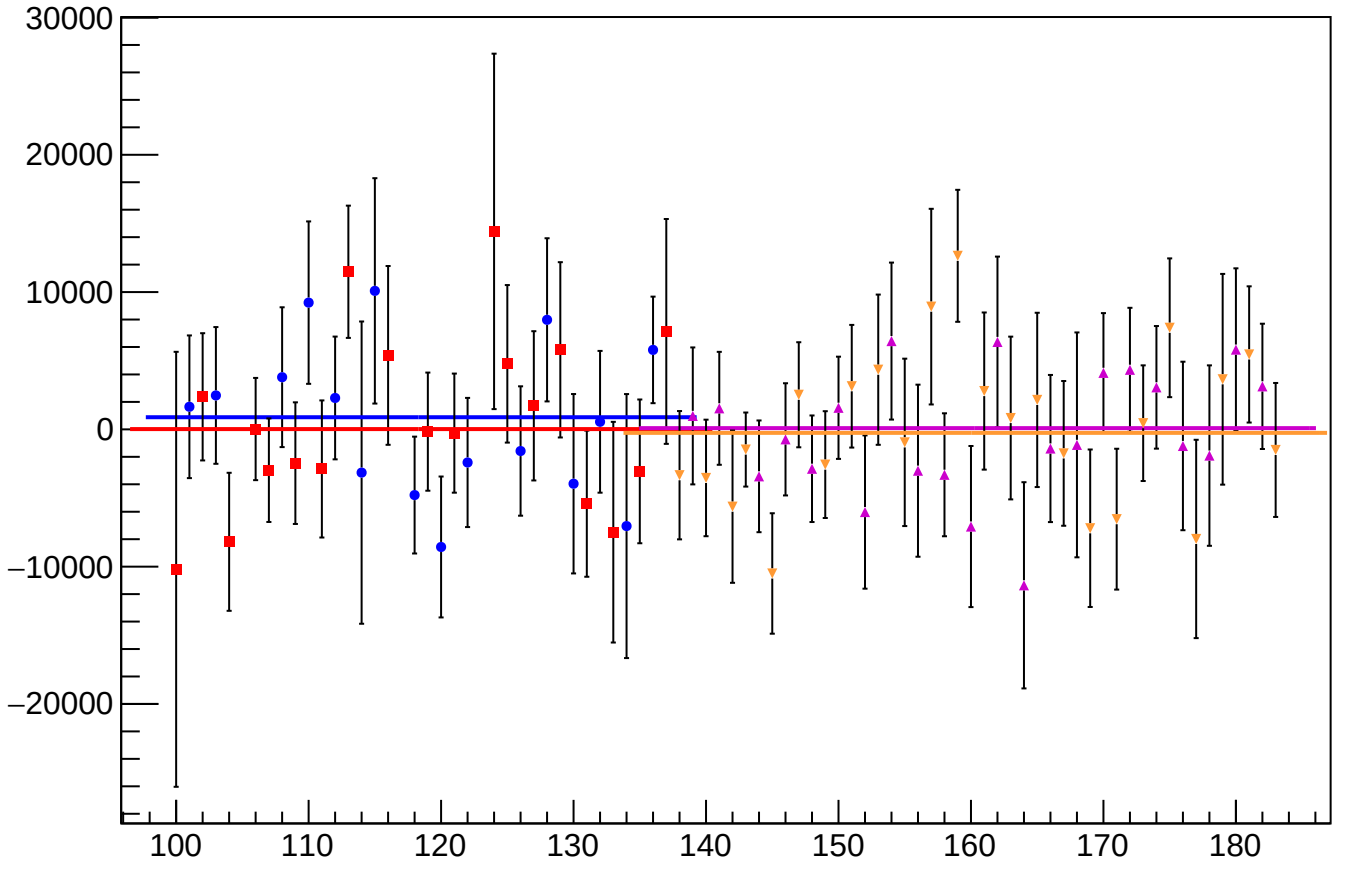
Left: 1302.898+/-0.151 χ^2/NDF: 277709.1/45

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1311.777+/-0.186 χ^2/NDF:553564.3/37

Out: 1293.579+/-0.179 χ^2/NDF:443060.7/42

All: 1302.343+/-0.129 χ^2/NDF: 1001609.9/80



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -254.197+/-983.675 χ^2/NDF:27.3/23

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: -94.294+/-719.761 χ^2/NDF: 40.9/45

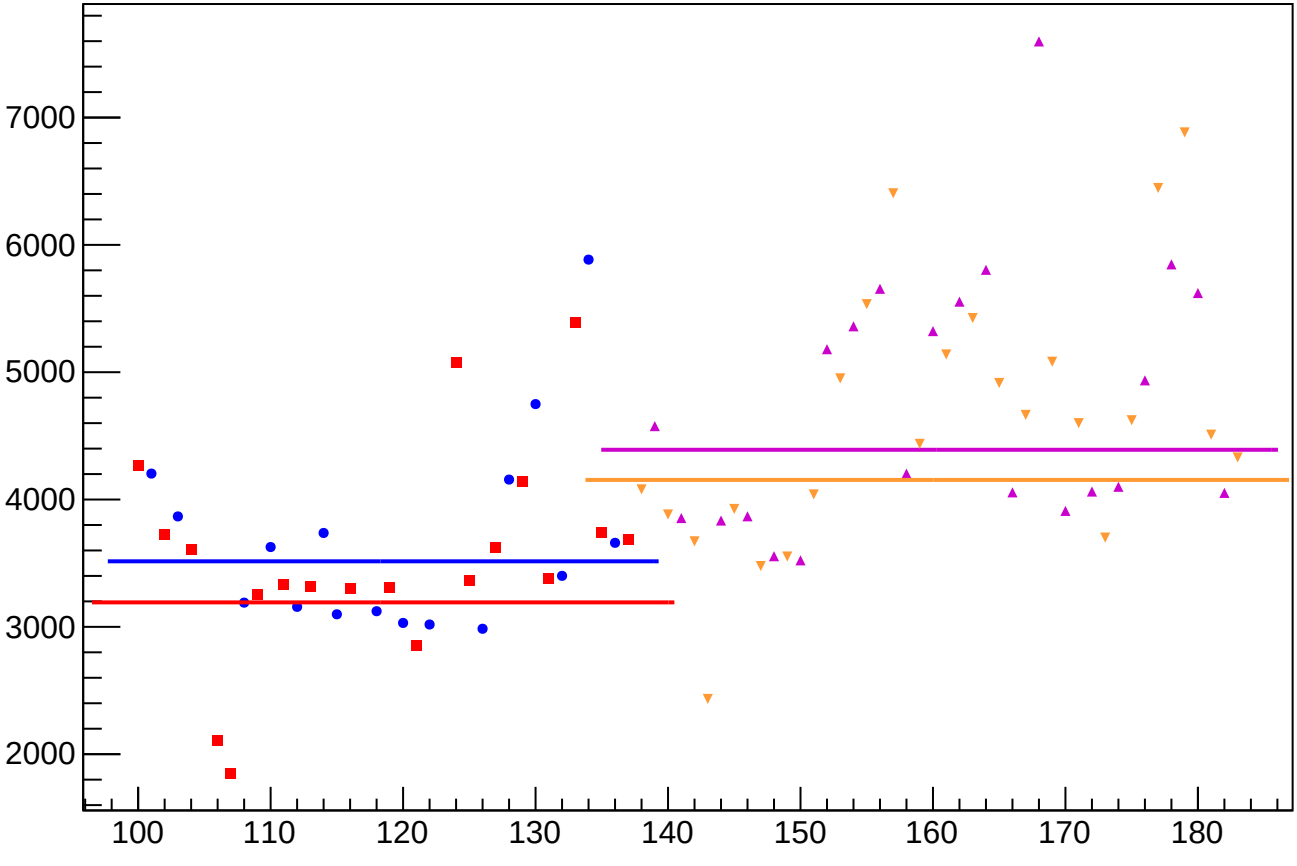
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 397.733+/-826.370 χ^2/NDF:27.9/37

Out: -143.726+/-760.749 χ^2/NDF:44.1/42

All: 104.655+/-559.694 χ^2/NDF: 72.3/80

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: 4154.038+/-0.696 χ^2/NDF:2079742.1/23

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4390.854+/-0.747 χ^2/NDF:1251583.3/21

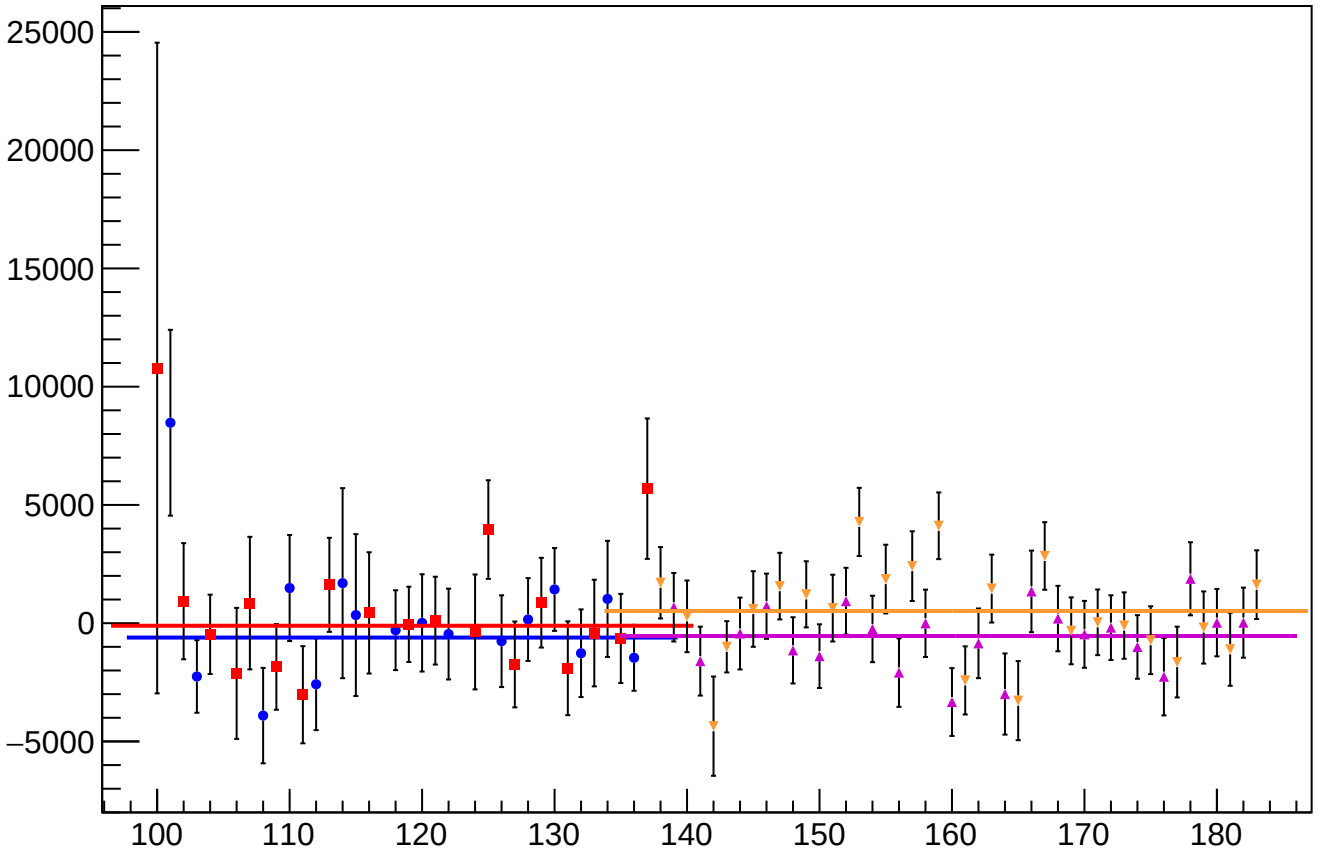
Left: 4264.065+/-0.509 χ^2/NDF: 3385181.7/45

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4051.304+/-0.584 χ^2/NDF:2160245.0/37

Out: 3767.484+/-0.538 χ^2/NDF:3620725.3/42

All: 3897.679+/-0.396 χ^2/NDF: 5908668.6/80



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 514.232+/-296.438 χ^2/NDF:42.4/23

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -542.806+/-309.764 χ^2/NDF:16.5/21

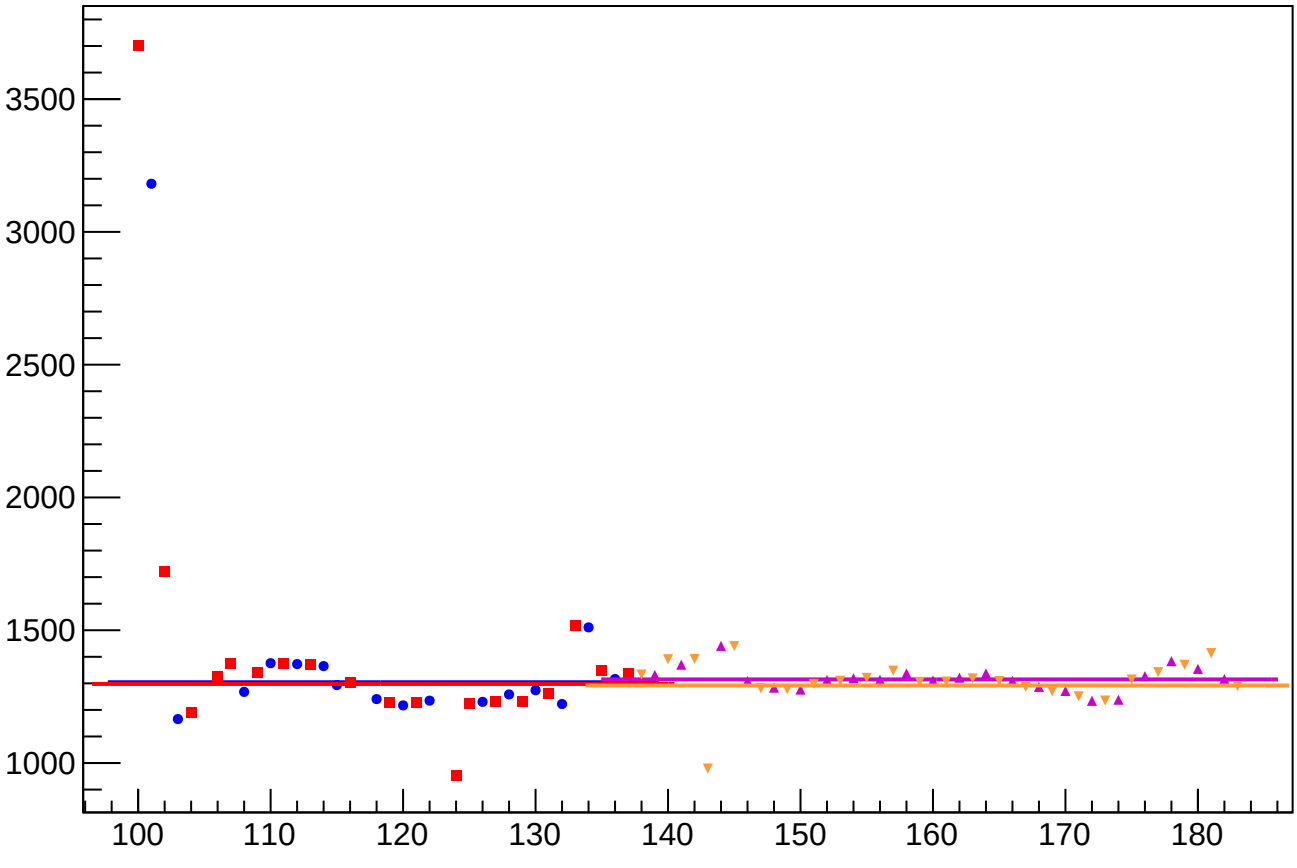
Left: 8.938+/-214.170 χ^2/NDF: 65.0/45

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -561.149+/-262.464 χ^2/NDF:30.6/37

Out: 345.112+/-253.012 χ^2/NDF:58.5/42

All: -91.407+/-182.157 χ^2/NDF: 95.3/80



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1292.006+/-0.210 χ^2/NDF:229758.9/23

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.794+/-0.219 χ^2/NDF:42305.1/21

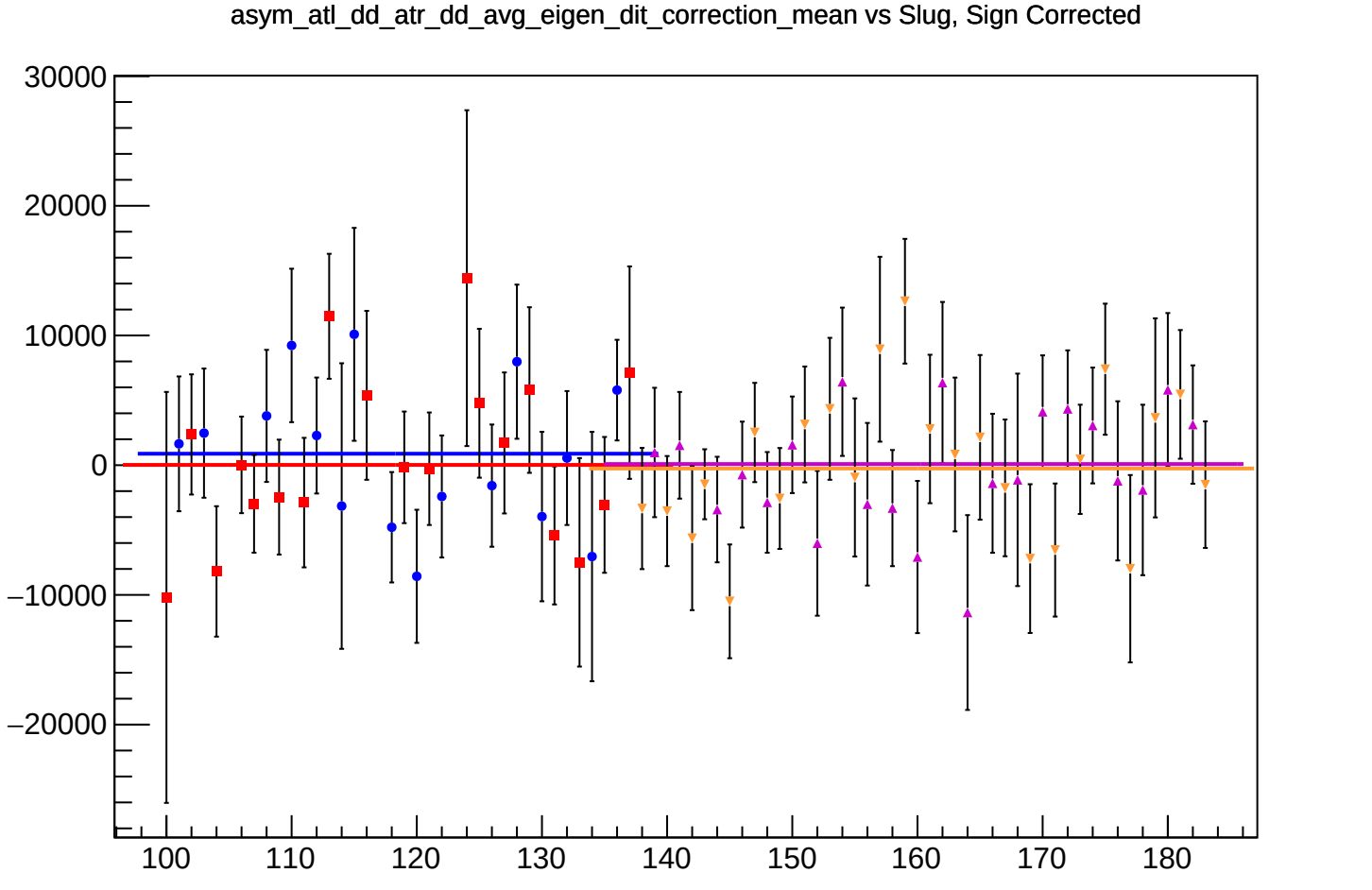
Left: 1302.899+/-0.151 χ^2/NDF: 277713.8/45

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1311.778+/-0.186 χ^2/NDF:553566.8/37

Out: 1293.580+/-0.179 χ^2/NDF:443063.2/42

All: 1302.344+/-0.129 χ^2/NDF: 1001614.9/80



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -254.194+/-983.677 χ^2/NDF:27.3/23

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 89.973+/-1055.956 χ^2/NDF:13.6/21

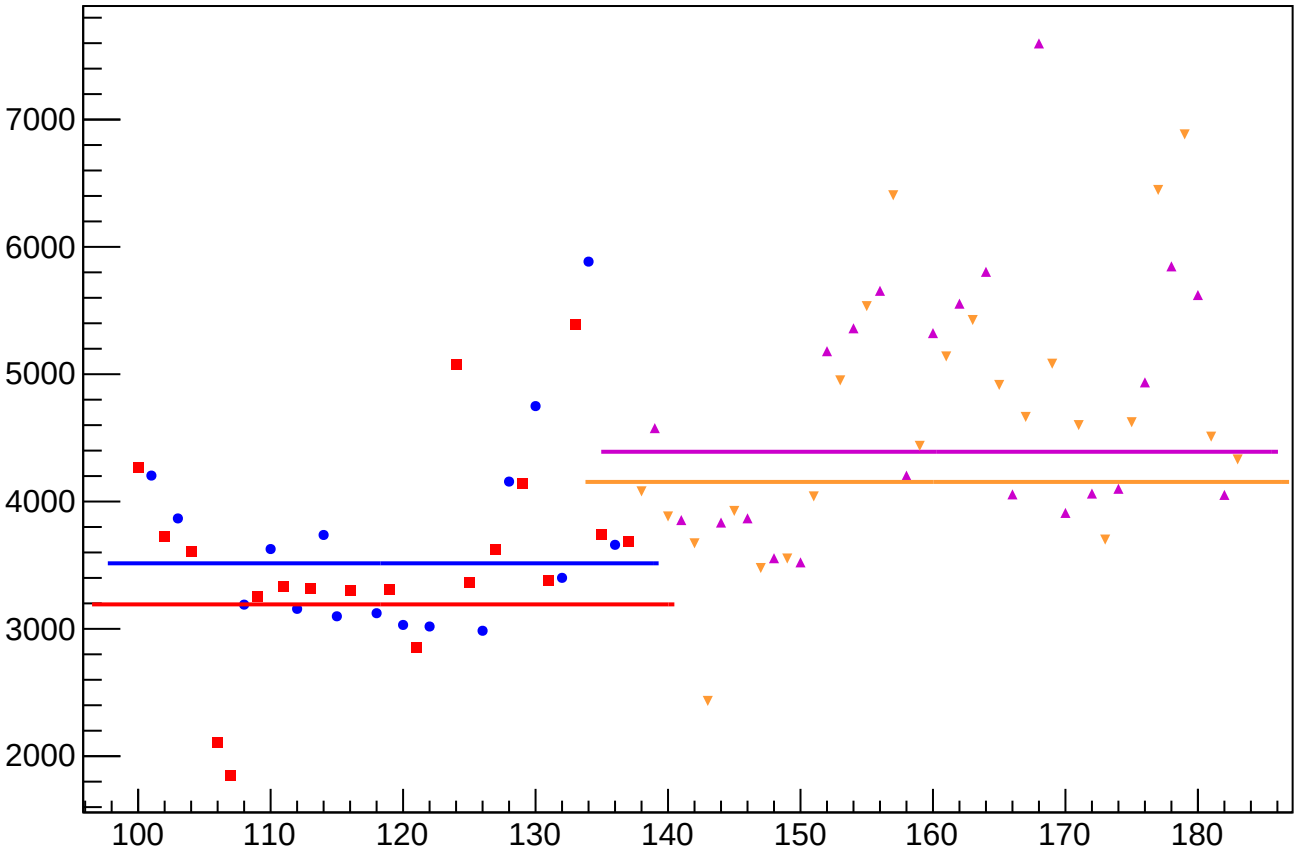
Left: -94.292+/-719.762 χ^2/NDF: 40.9/45

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 397.731+/-826.370 χ^2/NDF:27.9/37

Out: -143.725+/-760.749 χ^2/NDF:44.1/42

All: 104.654+/-559.694 χ^2/NDF: 72.3/80



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4154.044+/-0.696 χ^2/NDF:2079744.9/23

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4390.861+/-0.747 χ^2/NDF:1251587.6/21

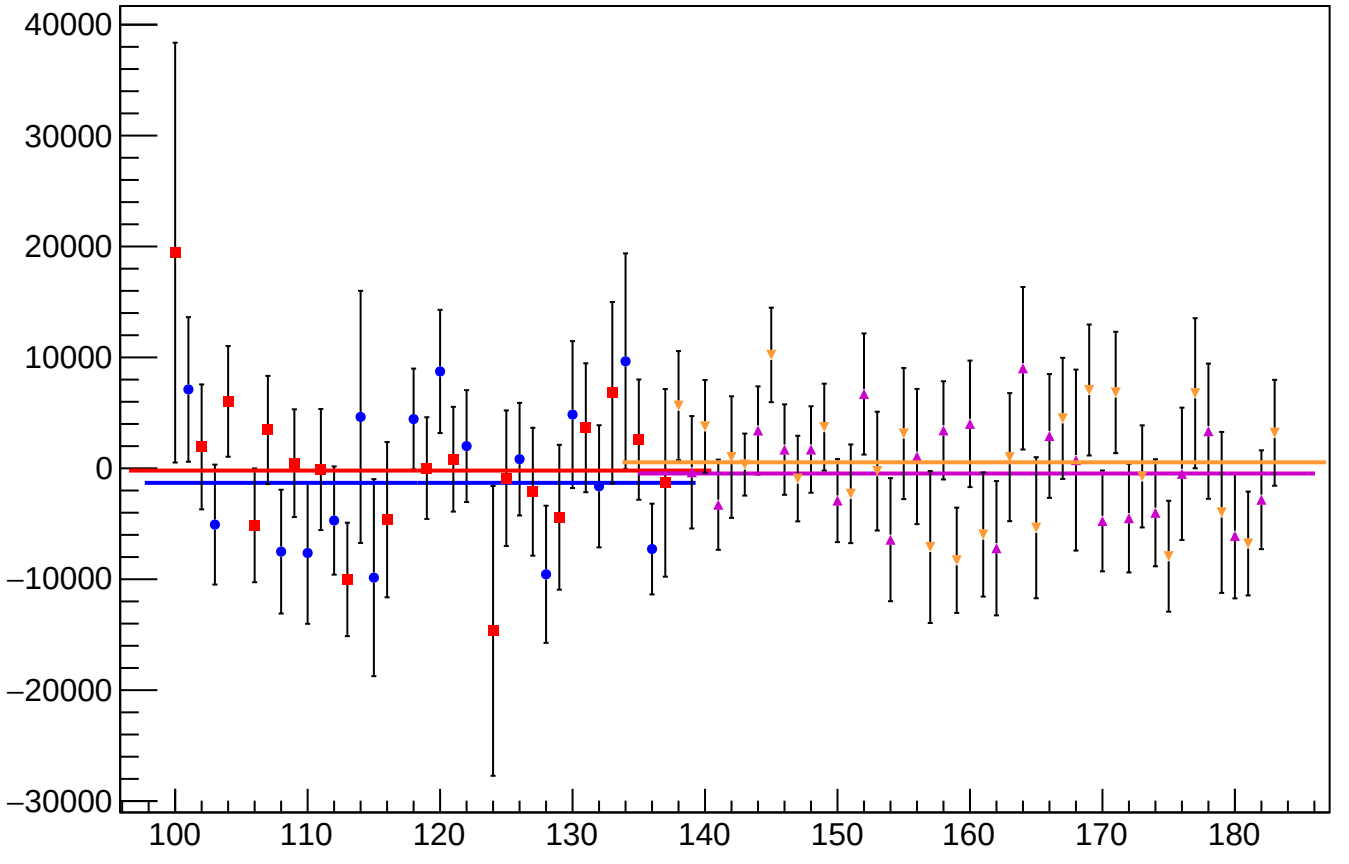
Left: 4264.071+/-0.509 χ^2/NDF: 3385188.7/45

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4051.303+/-0.584 χ^2/NDF:2160273.7/37

Out: 3767.483+/-0.538 χ^2/NDF:3620754.4/42

All: 3897.678+/-0.396 χ^2/NDF: 5908726.3/80



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 544.185+/-986.773 χ^2/NDF:25.2/23

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -465.712+/-1055.508 χ^2/NDF:13.8/21

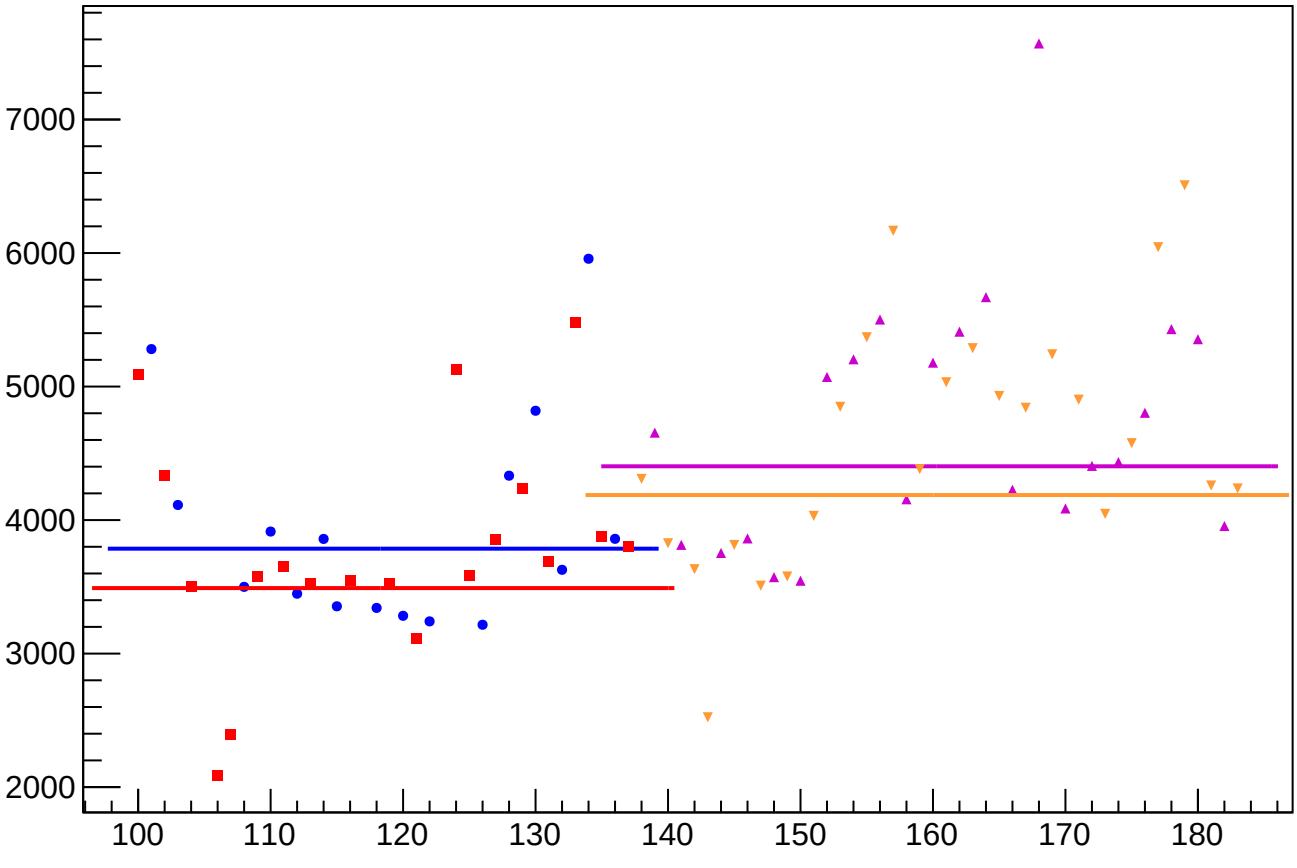
Left: 73.187+/-720.830 χ^2/NDF: 39.6/45

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -762.804+/-849.565 χ^2/NDF:31.6/37

Out: 280.960+/-793.753 χ^2/NDF:37.1/42

All: -205.513+/-579.996 χ^2/NDF: 69.5/80



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4187.415+/-0.698 χ^2/NDF:1796318.2/23

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4402.755+/-0.746 χ^2/NDF:1082128.6/21

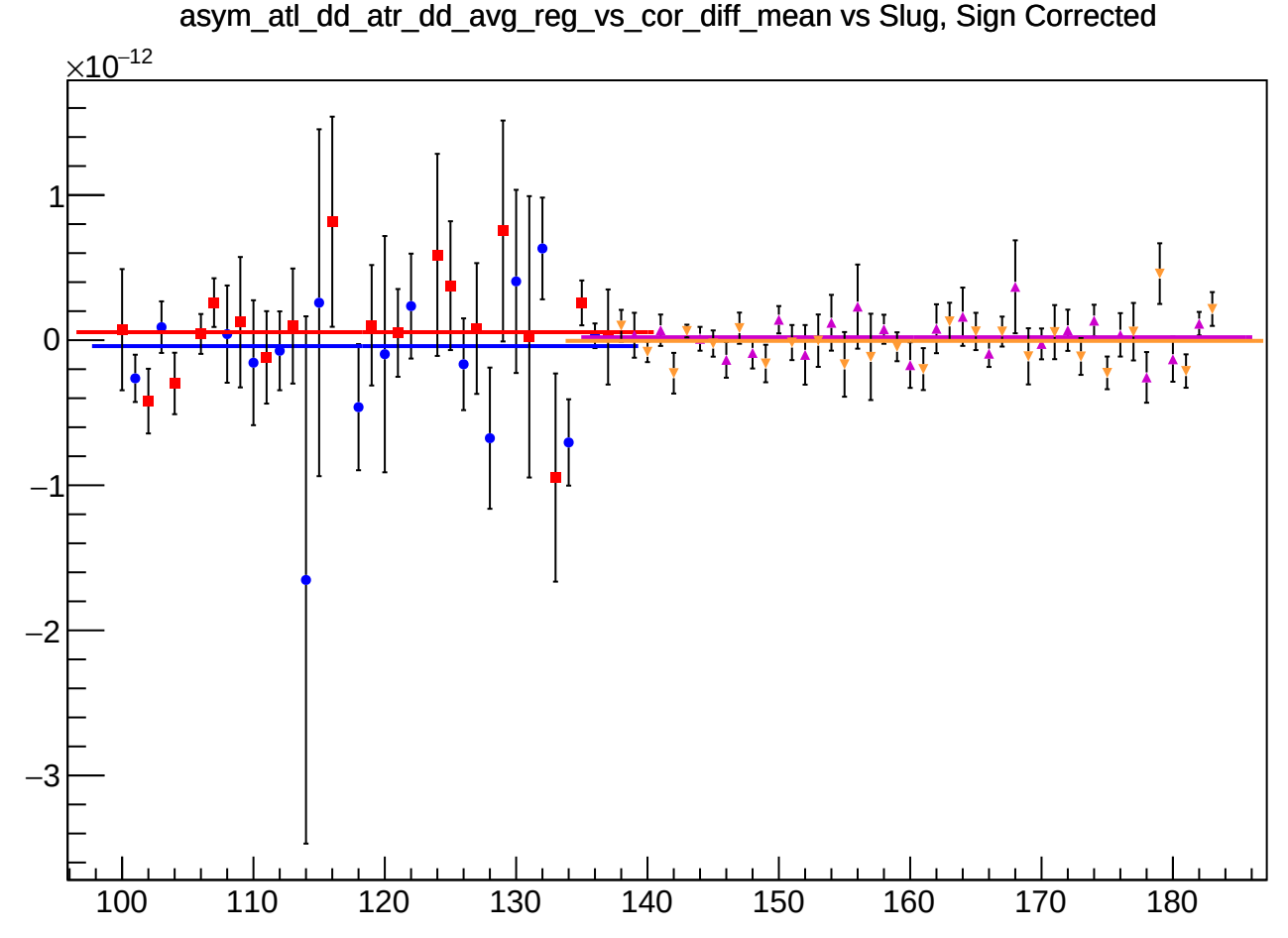
Left: 4287.845+/-0.510 χ^2/NDF: 2922867.8/45

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4185.479+/-0.601 χ^2/NDF:1705774.3/37

Out: 3937.090+/-0.559 χ^2/NDF:2741300.5/42

All: 4052.254+/-0.409 χ^2/NDF: 4538771.4/80



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/21

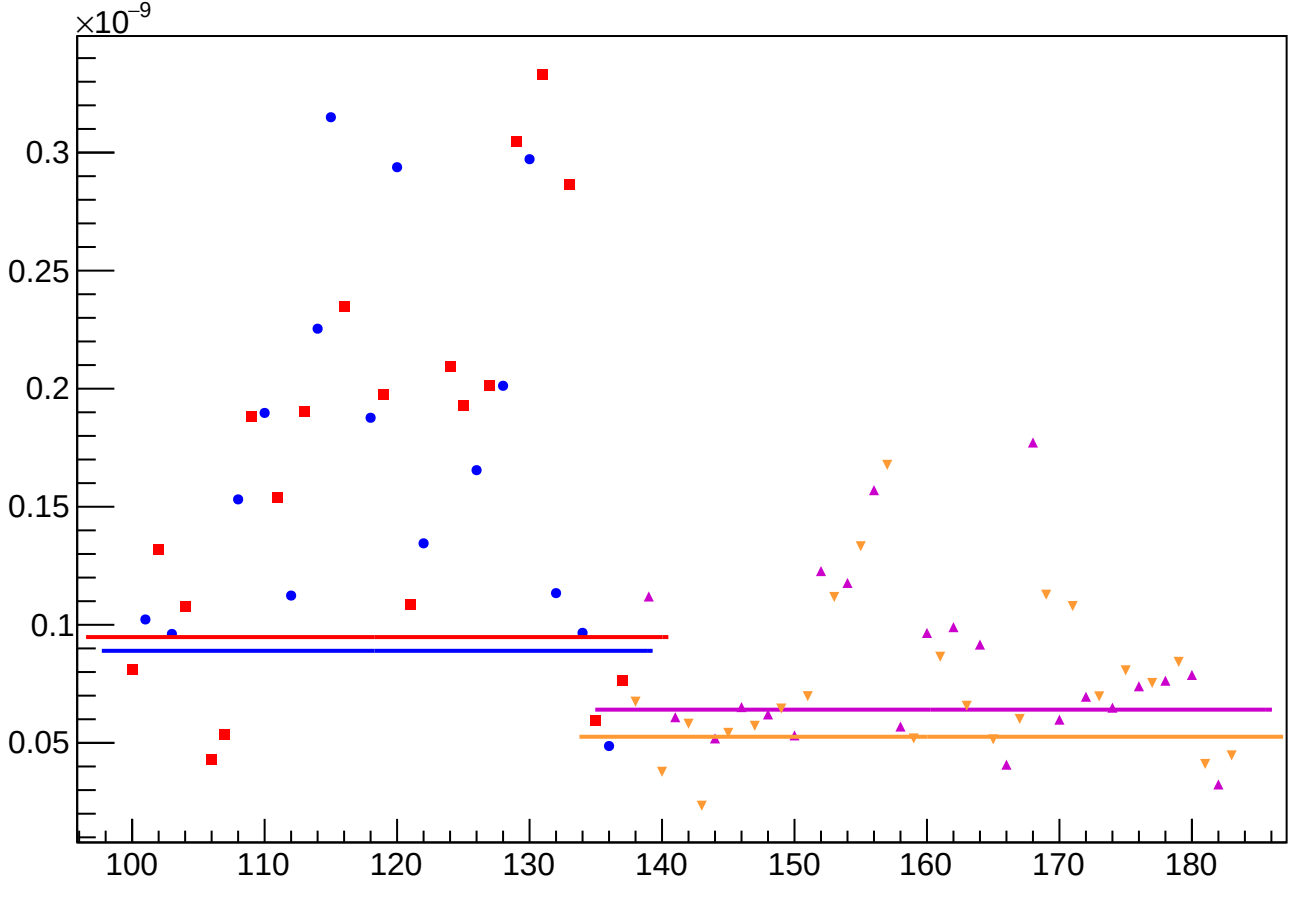
Left: 0.000+/-0.000 χ^2/NDF: 47.7/45

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:46.9/42

All: 0.000+/-0.000 χ^2/NDF: 81.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2623647.7/23

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: 4579689.4/45

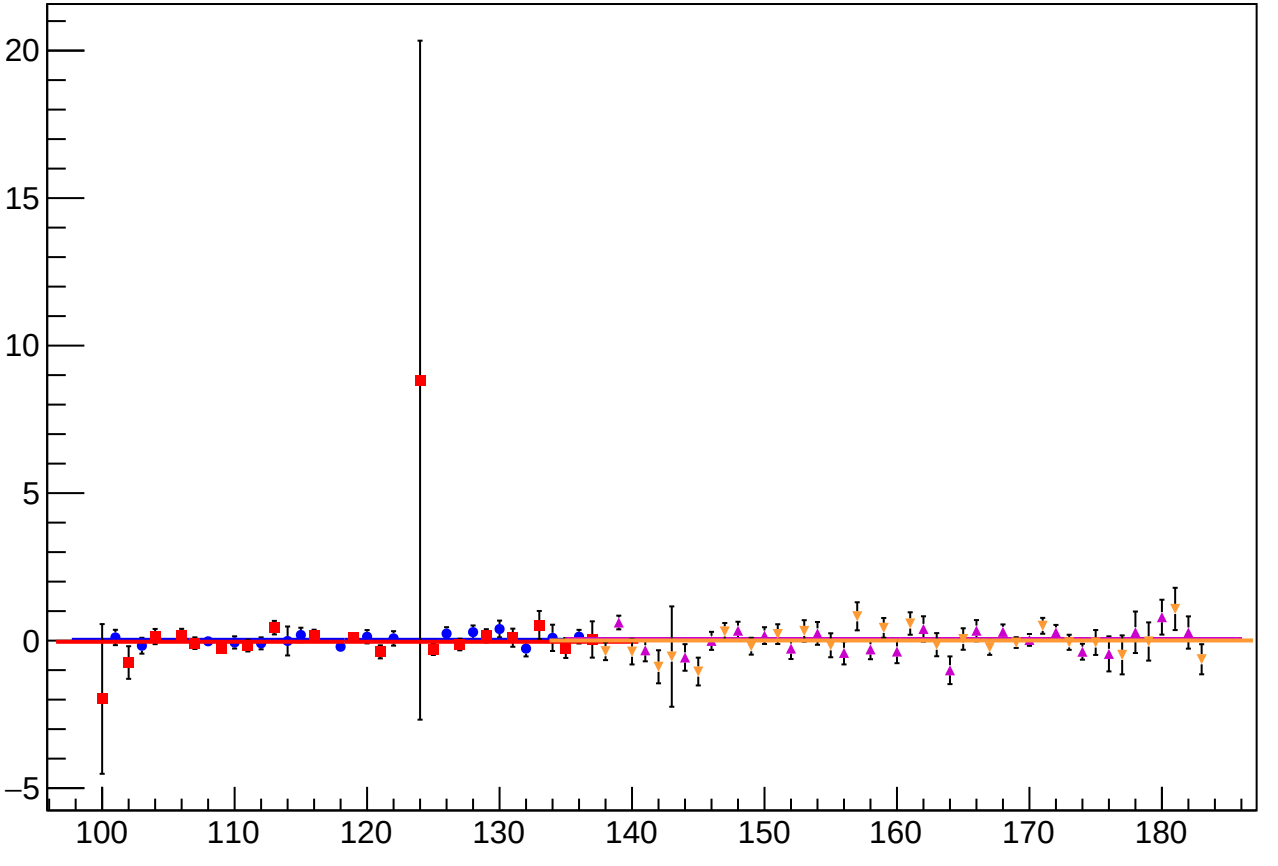
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3493949.7/37

Out: 0.000+/-0.000 χ^2/NDF:5135059.3/42

All: 0.000+/-0.000 χ^2/NDF: 8867885.1/80

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

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: 0.030+/-0.050 χ^2/NDF: 56.6/45

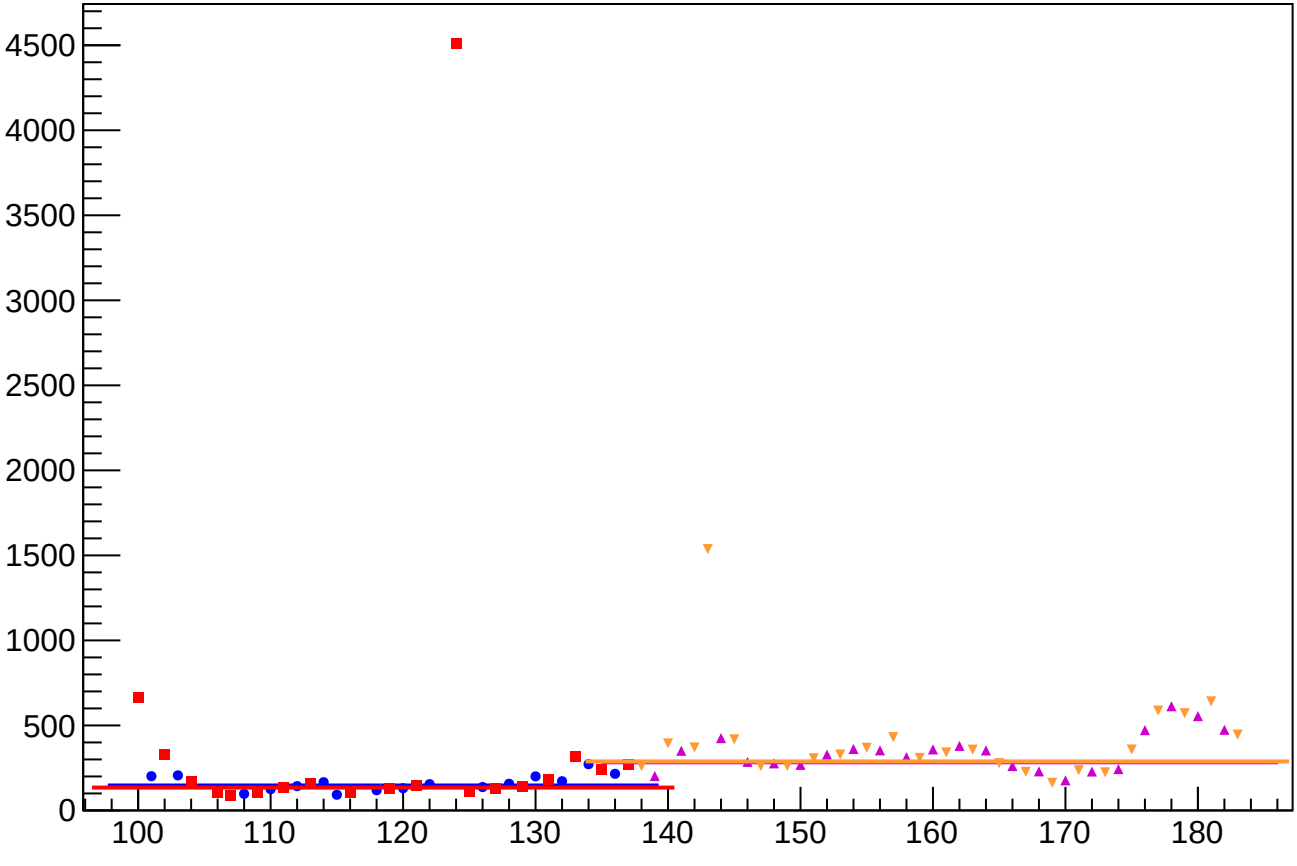
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/80

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636058.1/23

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: 285.703+/-0.036 χ^2/NDF: 7672019.0/45

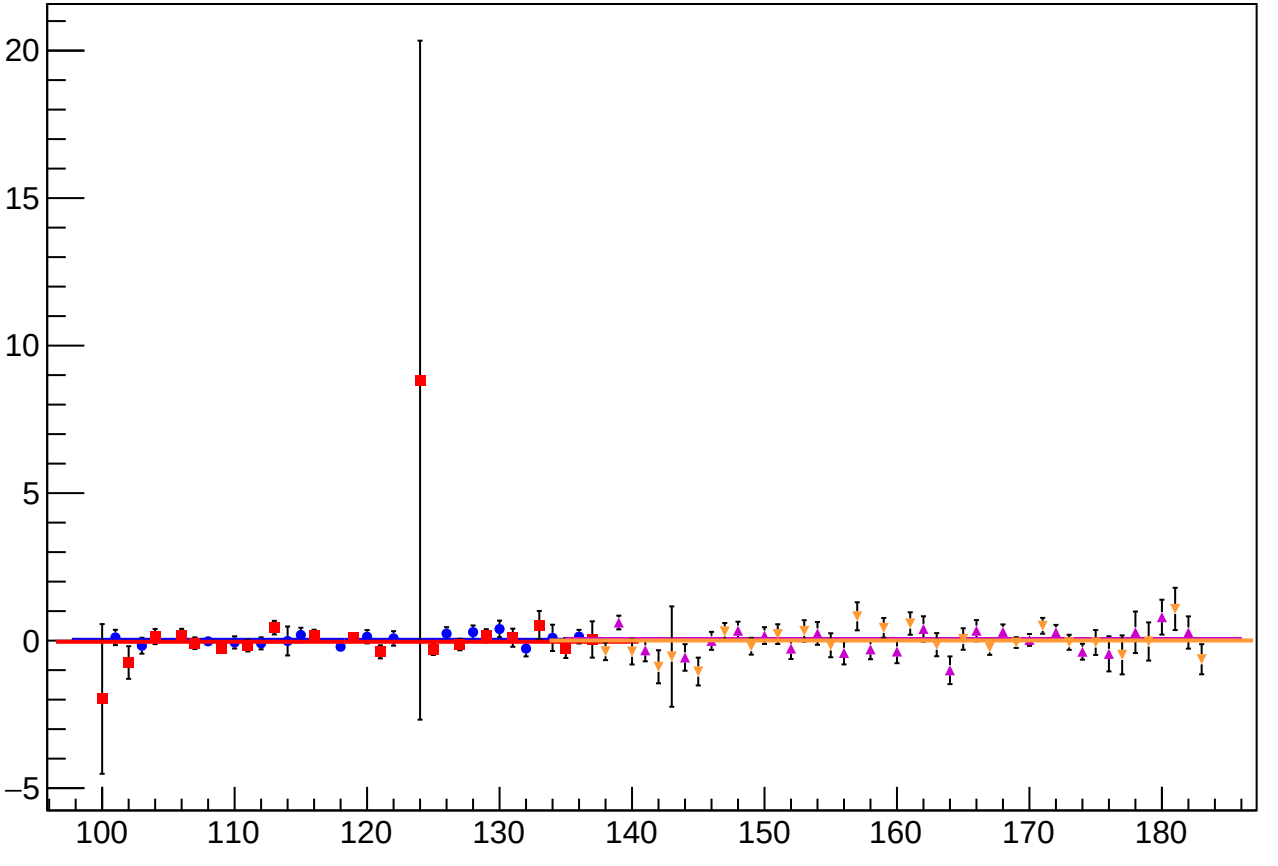
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 201.288+/-0.032 χ^2/NDF:8487835.3/37

Out: 191.482+/-0.031 χ^2/NDF:12084157.8/42

All: 196.246+/-0.022 χ^2/NDF: 20621452.0/80

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: 0.005+/-0.071 χ^2/NDF:28.6/23

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: 0.030+/-0.050 χ^2/NDF: 56.6/45

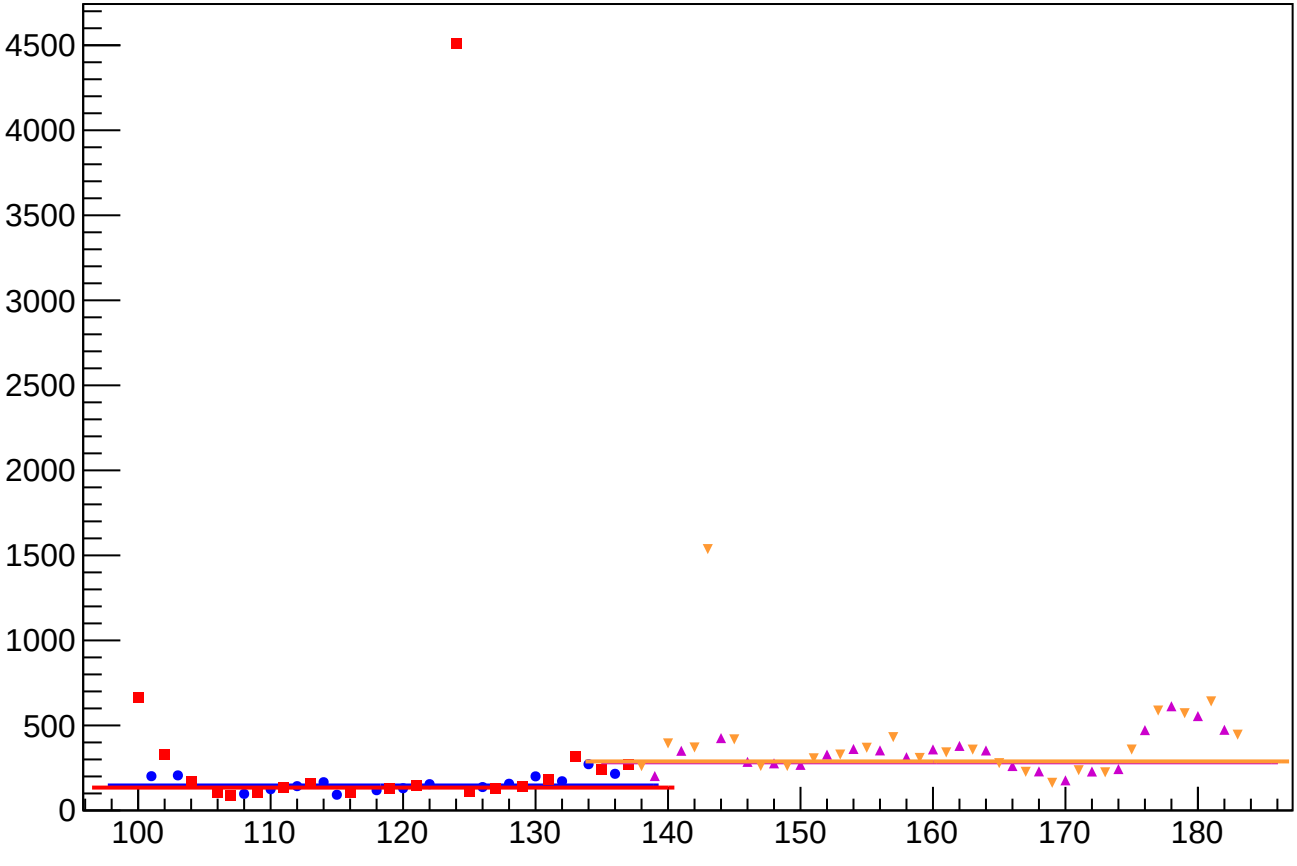
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/80

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: 288.333+/-0.051 χ^2/NDF:4636058.1/23

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 283.124+/-0.050 χ^2/NDF:3030589.5/21

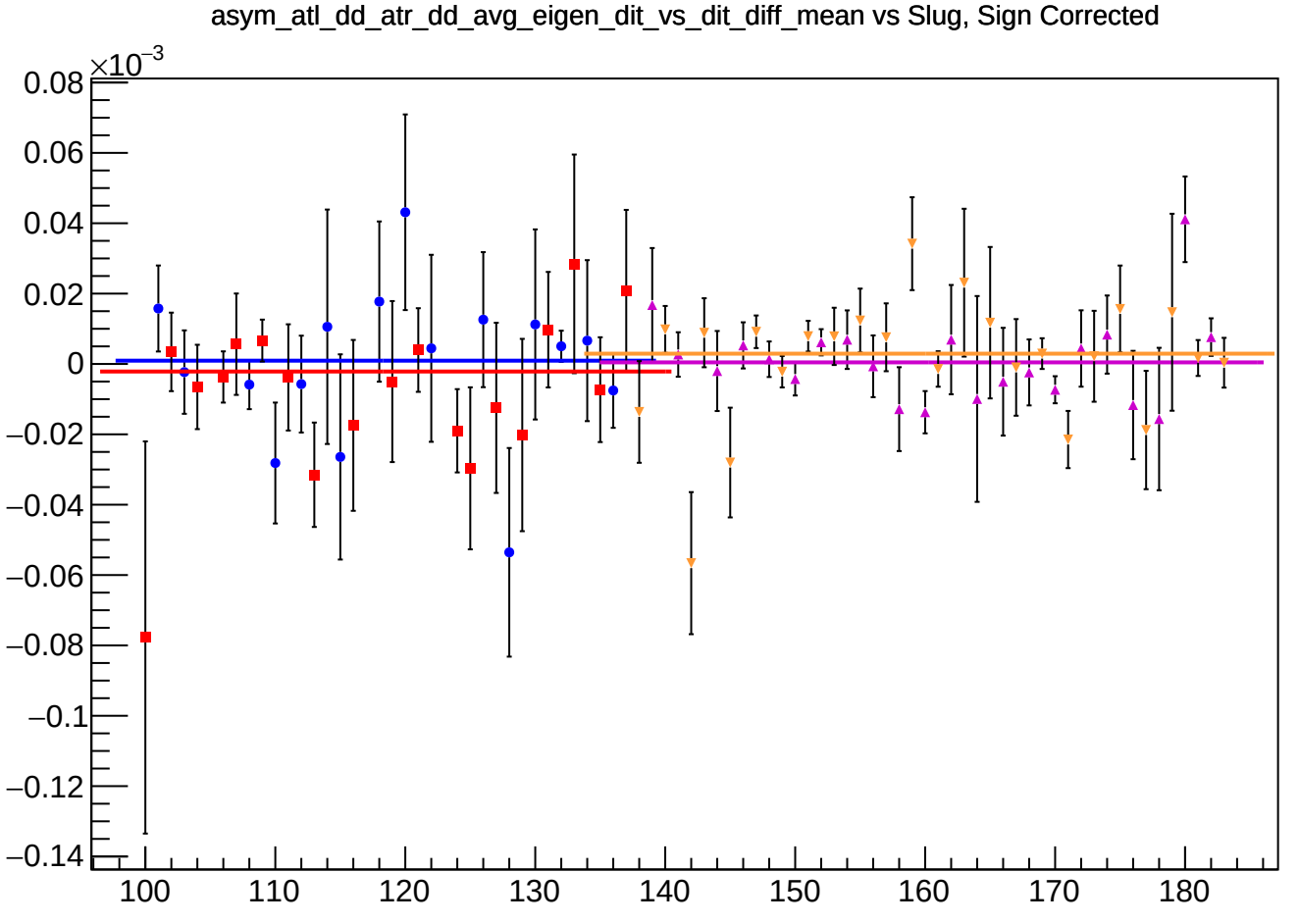
Left: 285.703+/-0.036 χ^2/NDF: 7672019.0/45

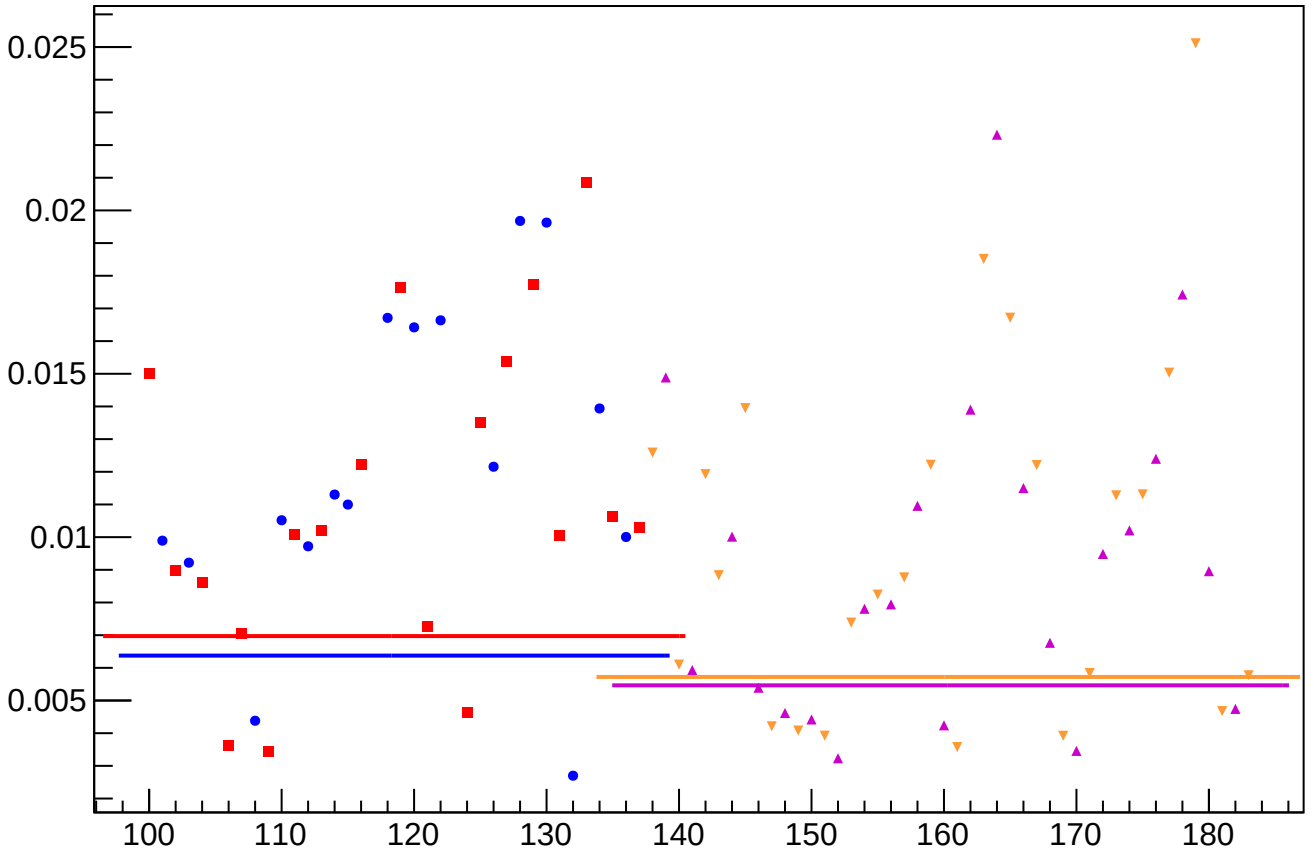
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 201.288+/-0.032 χ^2/NDF:8487835.3/37

Out: 191.482+/-0.031 χ^2/NDF:12084157.8/42

All: 196.246+/-0.022 χ^2/NDF: 20621452.0/80


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:41.1/23
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: 74.4/45
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:59.4/42
All: 0.000+/-0.000 χ²/NDF: 106.8/80



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7997892.5/23

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: 14822750.2/45

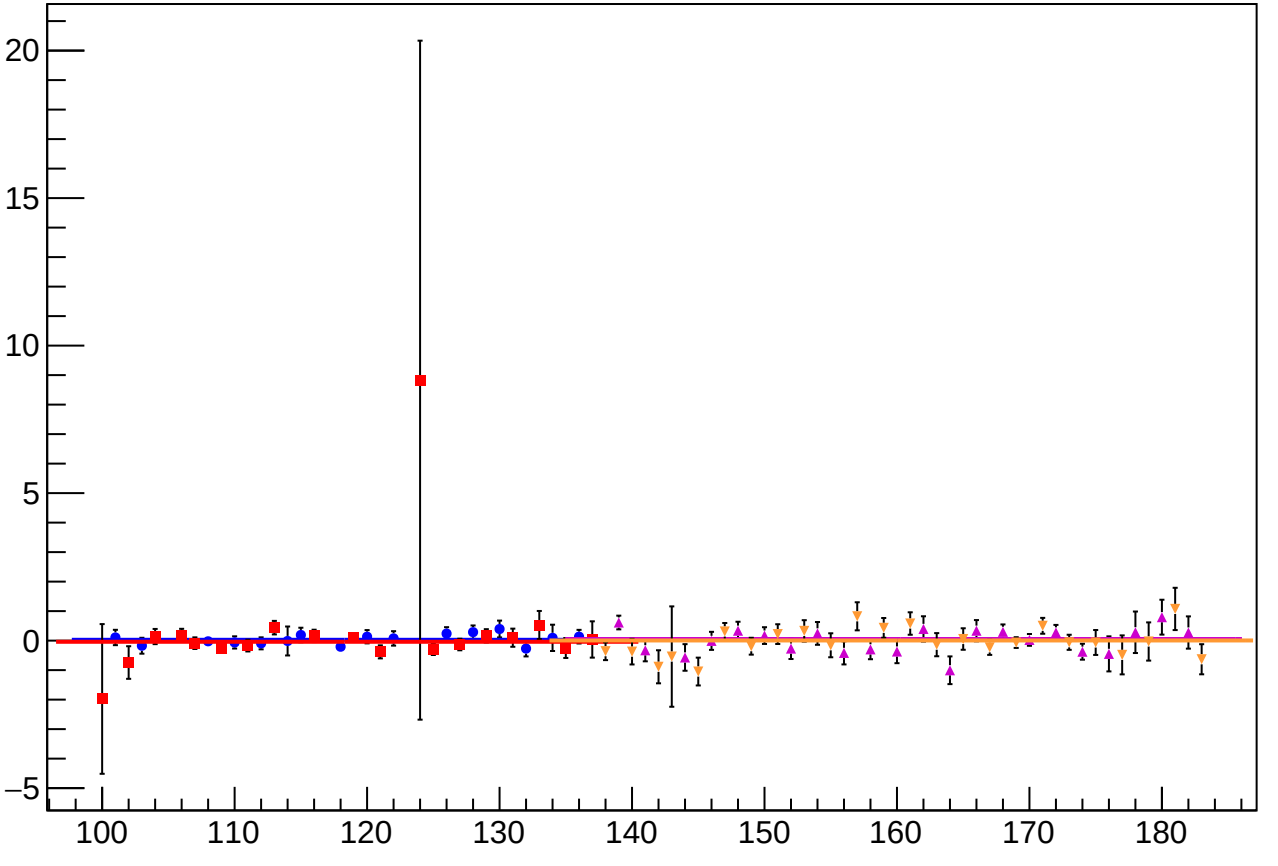
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11588422.5/37

Out: 0.006+/-0.000 χ^2/NDF:11681982.3/42

All: 0.006+/-0.000 χ^2/NDF: 23325584.6/80

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: 0.005+/-0.071 χ^2/NDF:28.6/23

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: 0.030+/-0.050 χ^2/NDF: 56.6/45

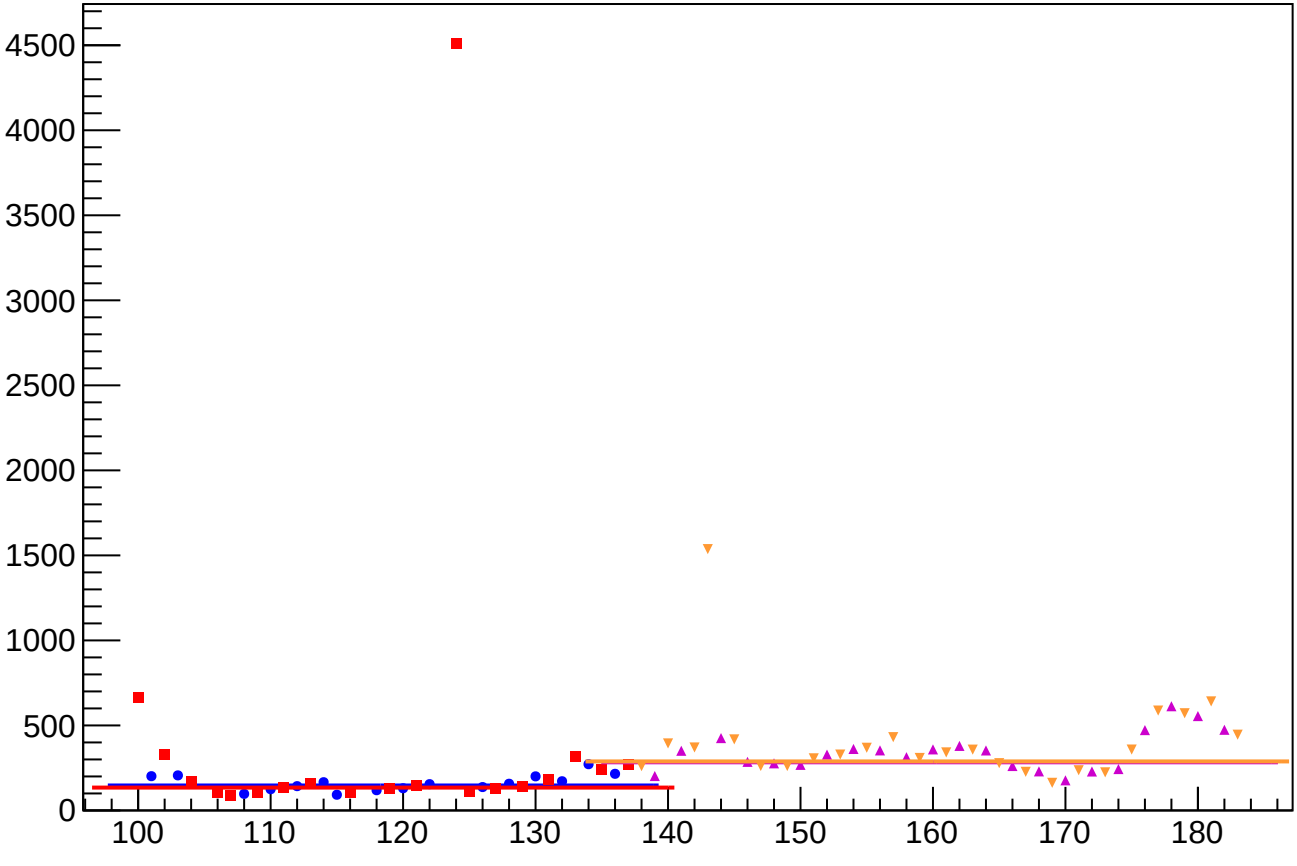
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/80

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: 288.333+/-0.051 χ^2/NDF:4636246.5/23

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: 285.704+/-0.036 χ^2/NDF: 7672307.9/45

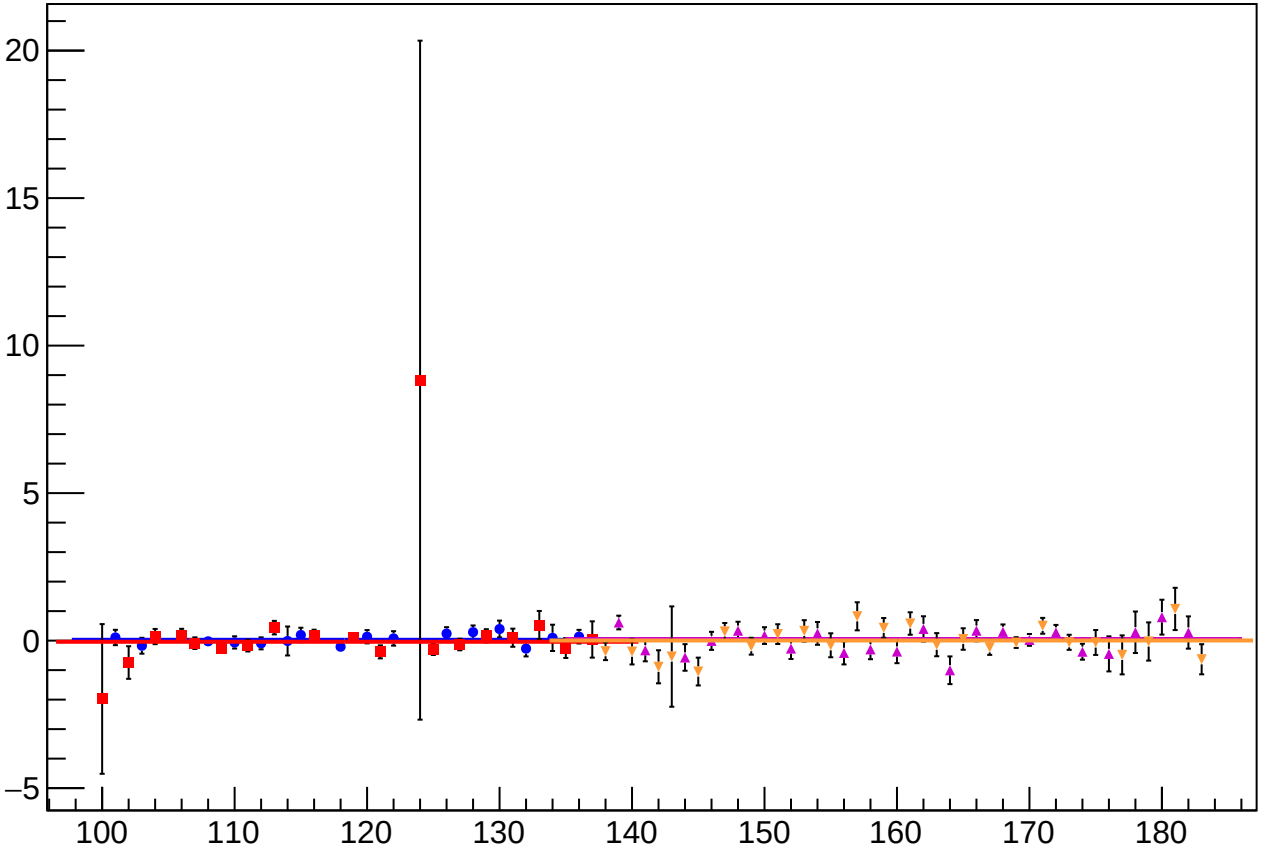
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 201.288+/-0.032 χ^2/NDF:8487953.1/37

Out: 191.483+/-0.031 χ^2/NDF:12084132.9/42

All: 196.247+/-0.022 χ^2/NDF: 20621533.3/80

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: 0.005+/-0.071 χ^2/NDF:28.6/23

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: 0.030+/-0.050 χ^2/NDF: 56.6/45

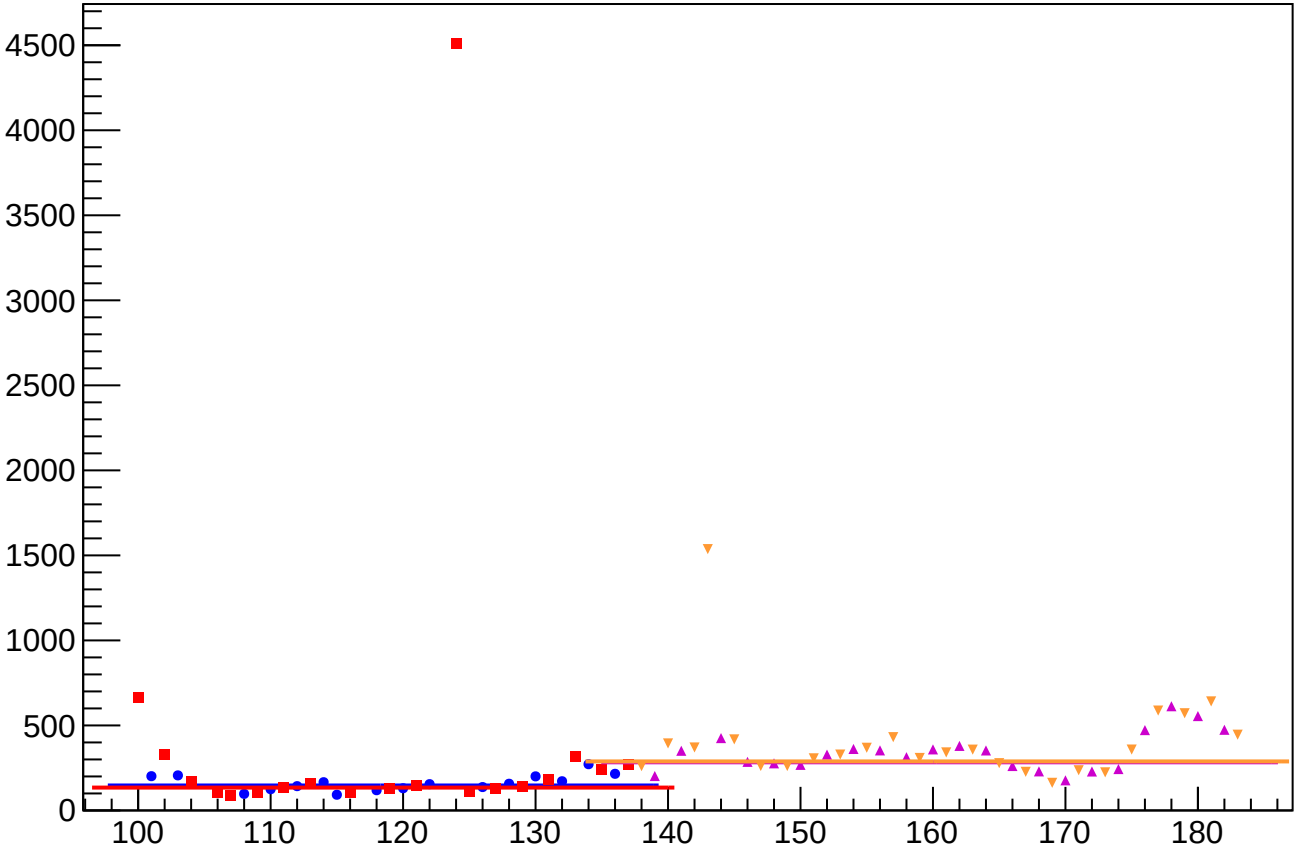
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/80

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: 288.333+/-0.051 χ^2/NDF:4636246.5/23

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: 285.704+/-0.036 χ^2/NDF: 7672307.9/45

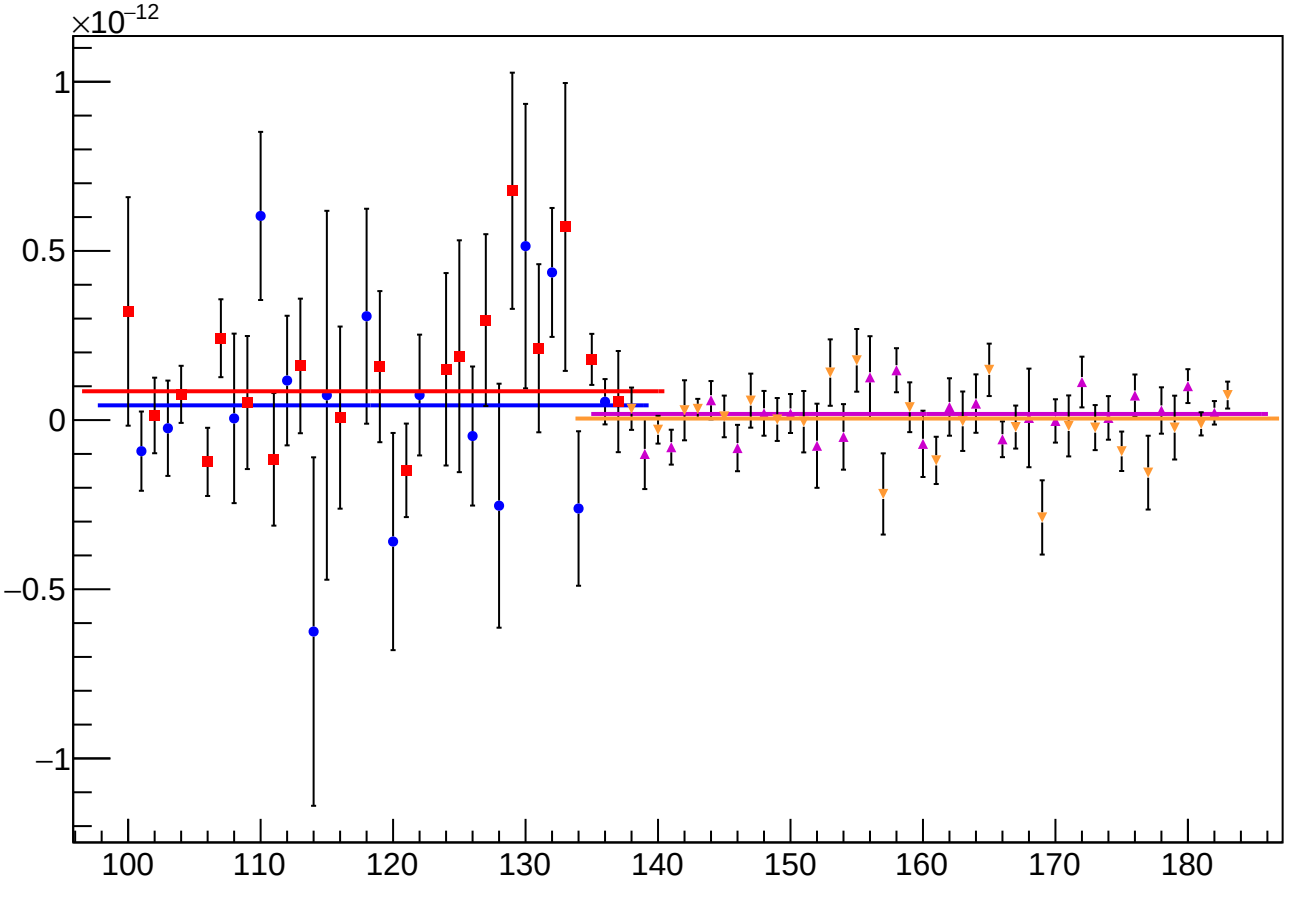
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 201.288+/-0.032 χ^2/NDF:8487953.1/37

Out: 191.483+/-0.031 χ^2/NDF:12084132.9/42

All: 196.247+/-0.022 χ^2/NDF: 20621533.3/80

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.6/23

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: 55.8/45

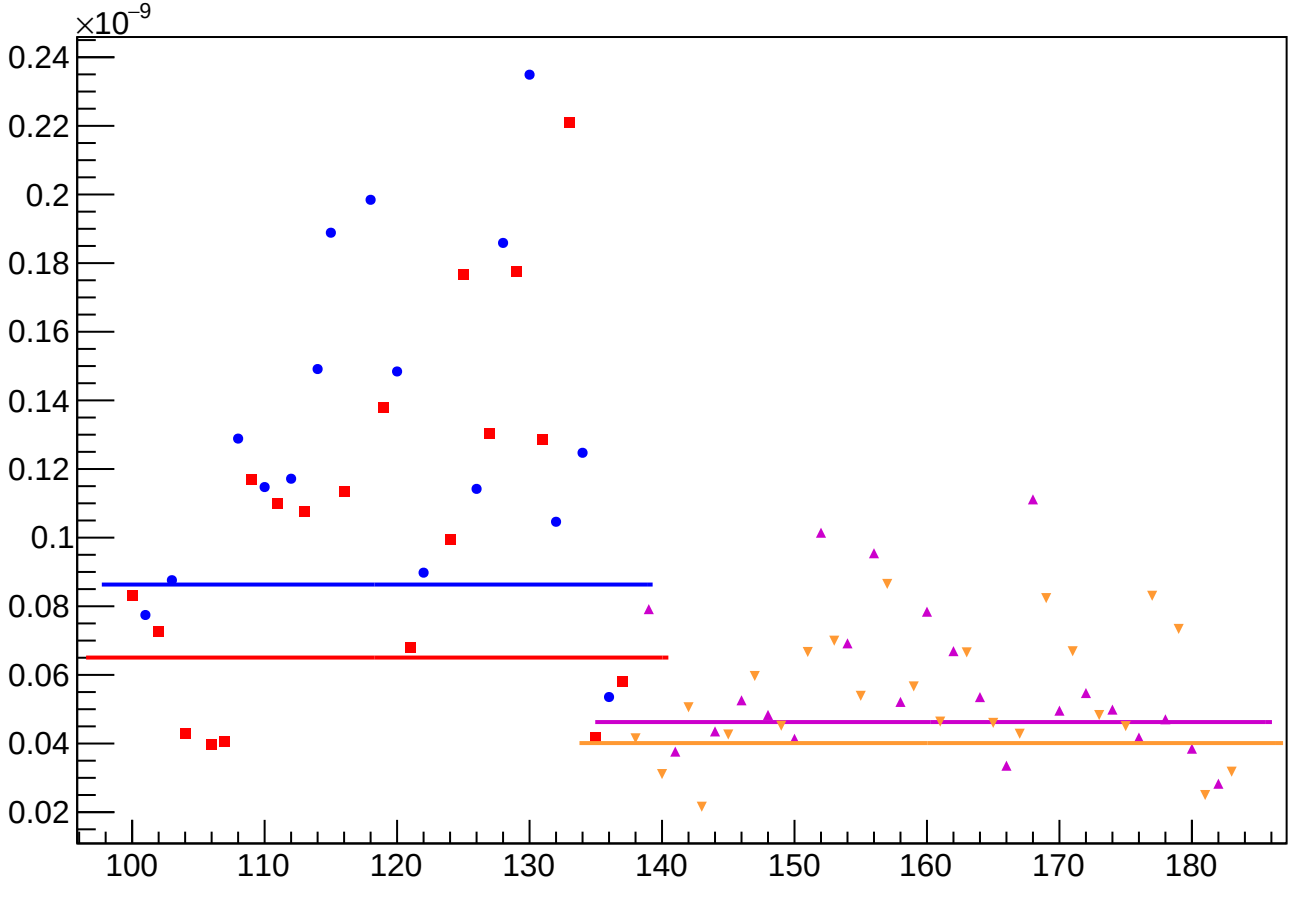
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:40.9/37

Out: 0.000+/-0.000 χ^2/NDF:56.8/42

All: 0.000+/-0.000 χ^2/NDF: 97.8/80

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:3609550.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2636841.6/21

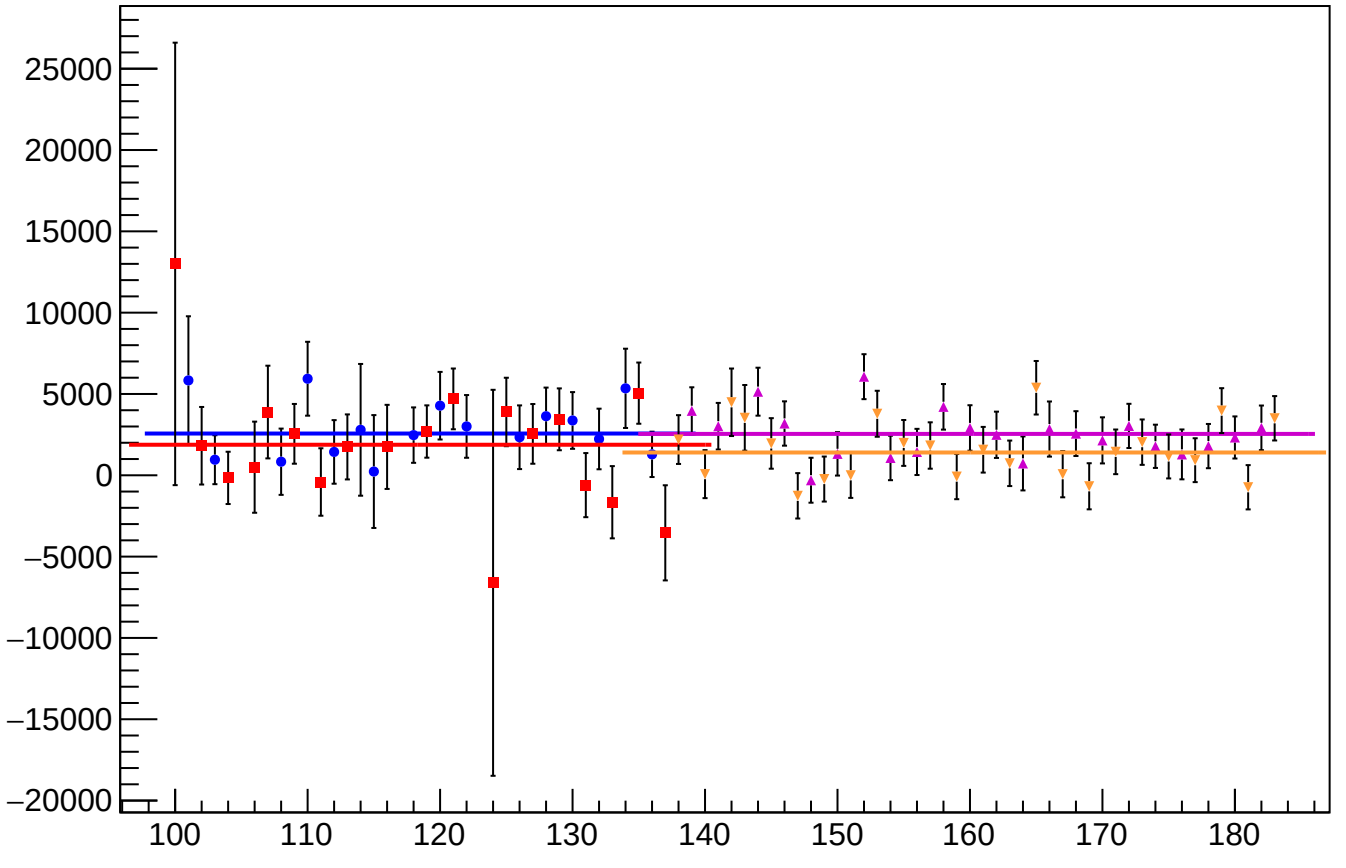
Left: 0.000+/-0.000 χ^2/NDF: 6462264.4/45

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:6705937.3/42

All: 0.000+/-0.000 χ^2/NDF: 12821942.0/80



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1401.719+/-295.080 χ^2/NDF:32.7/23

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2544.479+/-300.792 χ^2/NDF:22.1/21

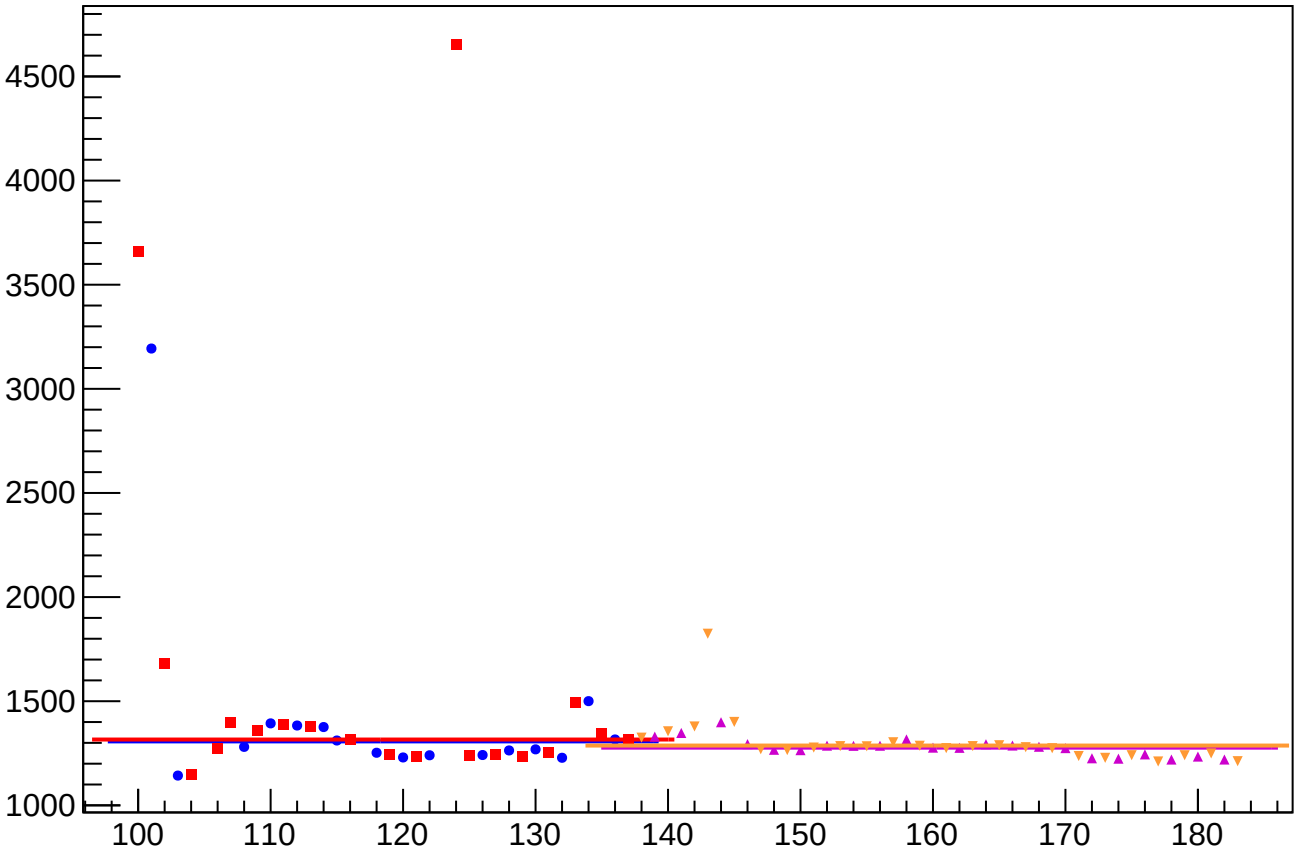
Left: 1962.146+/-210.644 χ^2/NDF: 62.1/45

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2550.670+/-257.105 χ^2/NDF:31.1/37

Out: 1526.707+/-253.424 χ^2/NDF:52.9/42

All: 2031.306+/-180.485 χ^2/NDF: 92.0/80



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1287.069+/-0.209 χ^2/NDF:188051.4/23

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: 1282.133+/-0.149 χ^2/NDF: 229191.3/45

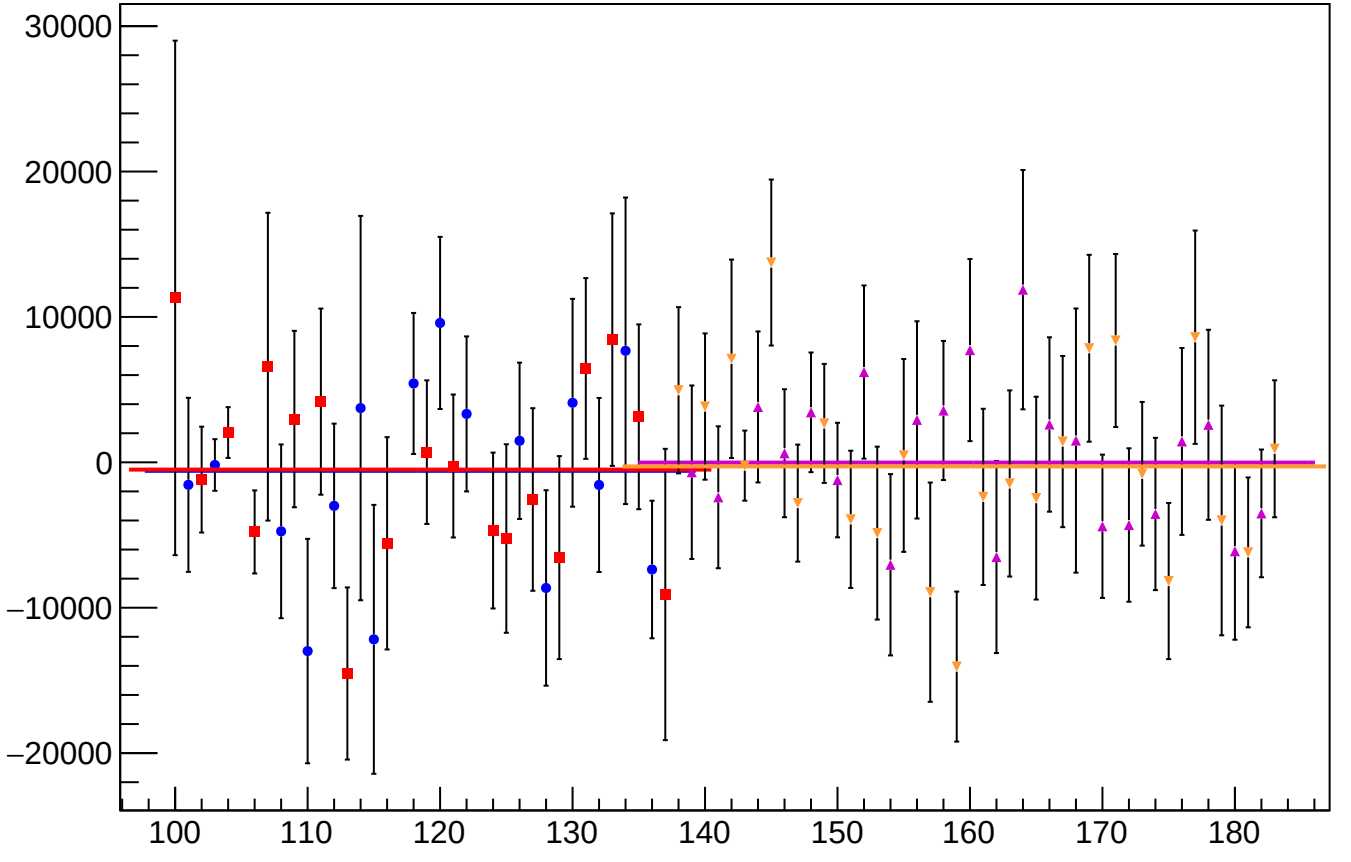
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1285.103+/-0.182 χ^2/NDF:561630.2/37

Out: 1294.690+/-0.179 χ^2/NDF:519536.2/42

All: 1289.969+/-0.128 χ^2/NDF: 1082578.0/80

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: -280.655+/-1046.374 χ^2/NDF:28.6/23

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: -162.327+/-776.610 χ^2/NDF: 41.9/45

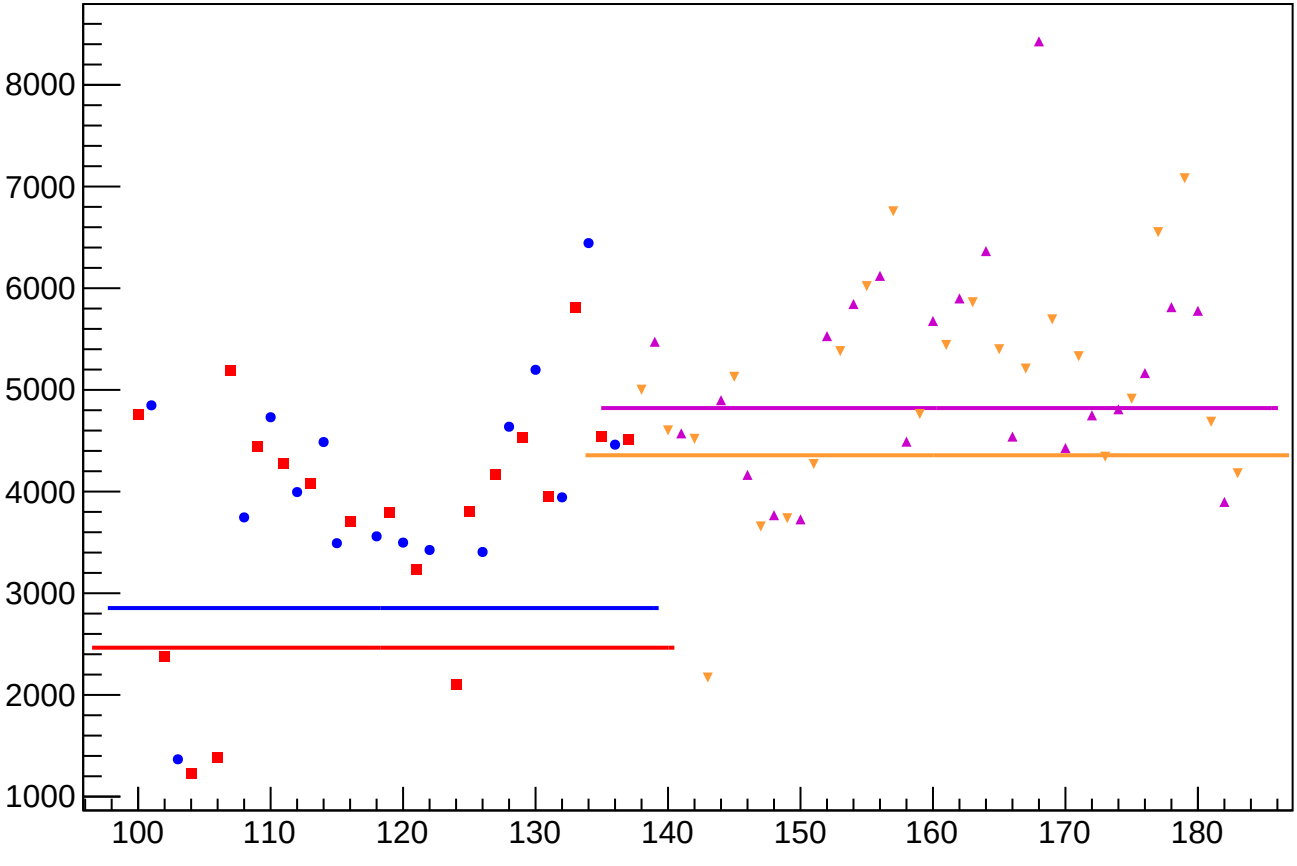
Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -291.322+/-831.174 χ^2/NDF:28.1/37

Out: -389.431+/-743.081 χ^2/NDF:46.3/42

All: -345.849+/-553.974 χ^2/NDF: 74.4/80

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4357.170+/-0.740 χ^2/NDF:3070632.0/23

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4821.214+/-0.819 χ^2/NDF:1208126.3/21

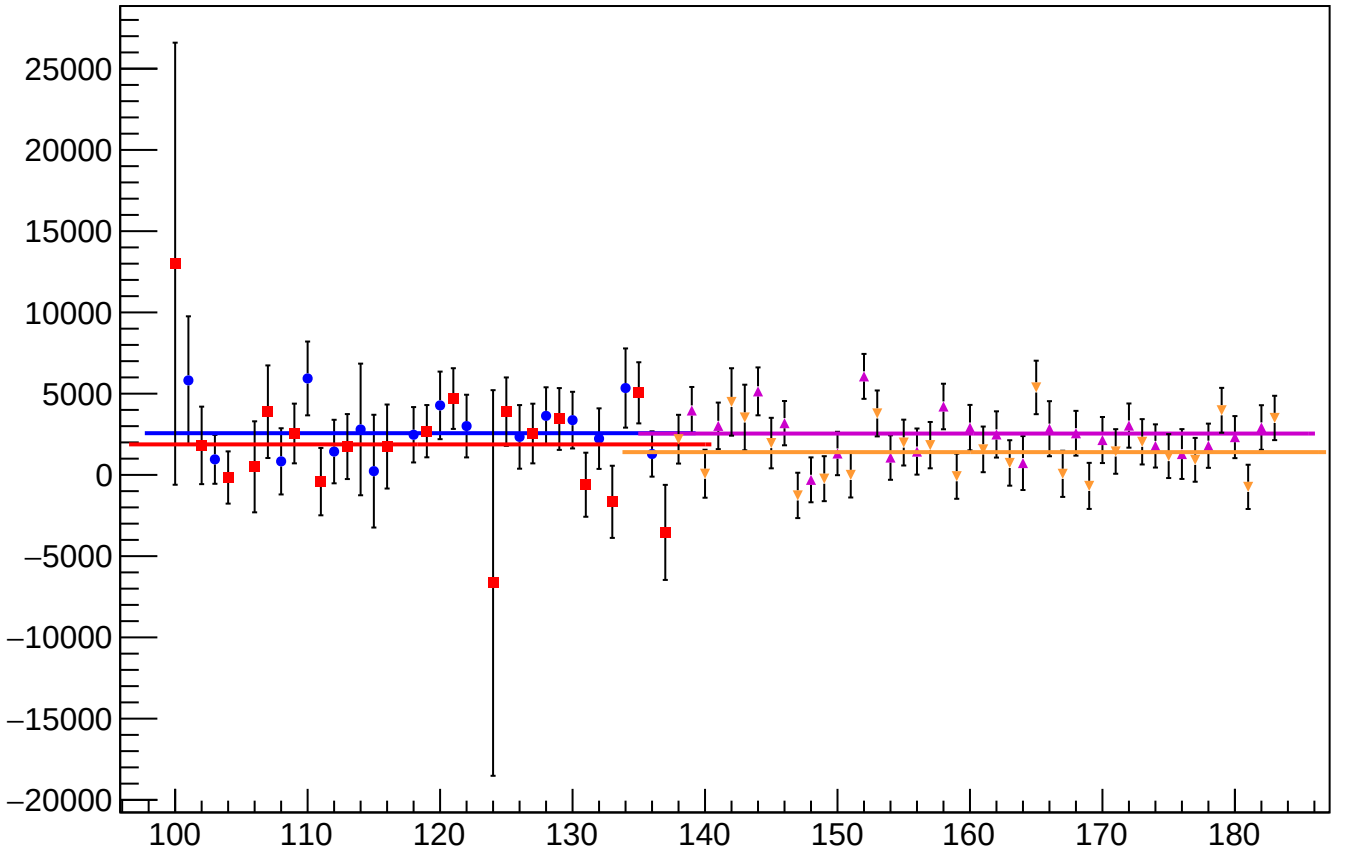
Left: 4565.596+/-0.549 χ^2/NDF: 4455430.4/45

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3866.245+/-0.588 χ^2/NDF:6910591.0/37

Out: 3419.039+/-0.525 χ^2/NDF:9669772.8/42

All: 3617.695+/-0.392 χ^2/NDF: 16902149.7/8



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1401.655+/-295.080 χ^2/NDF:32.7/23

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2544.471+/-300.792 χ^2/NDF:22.1/21

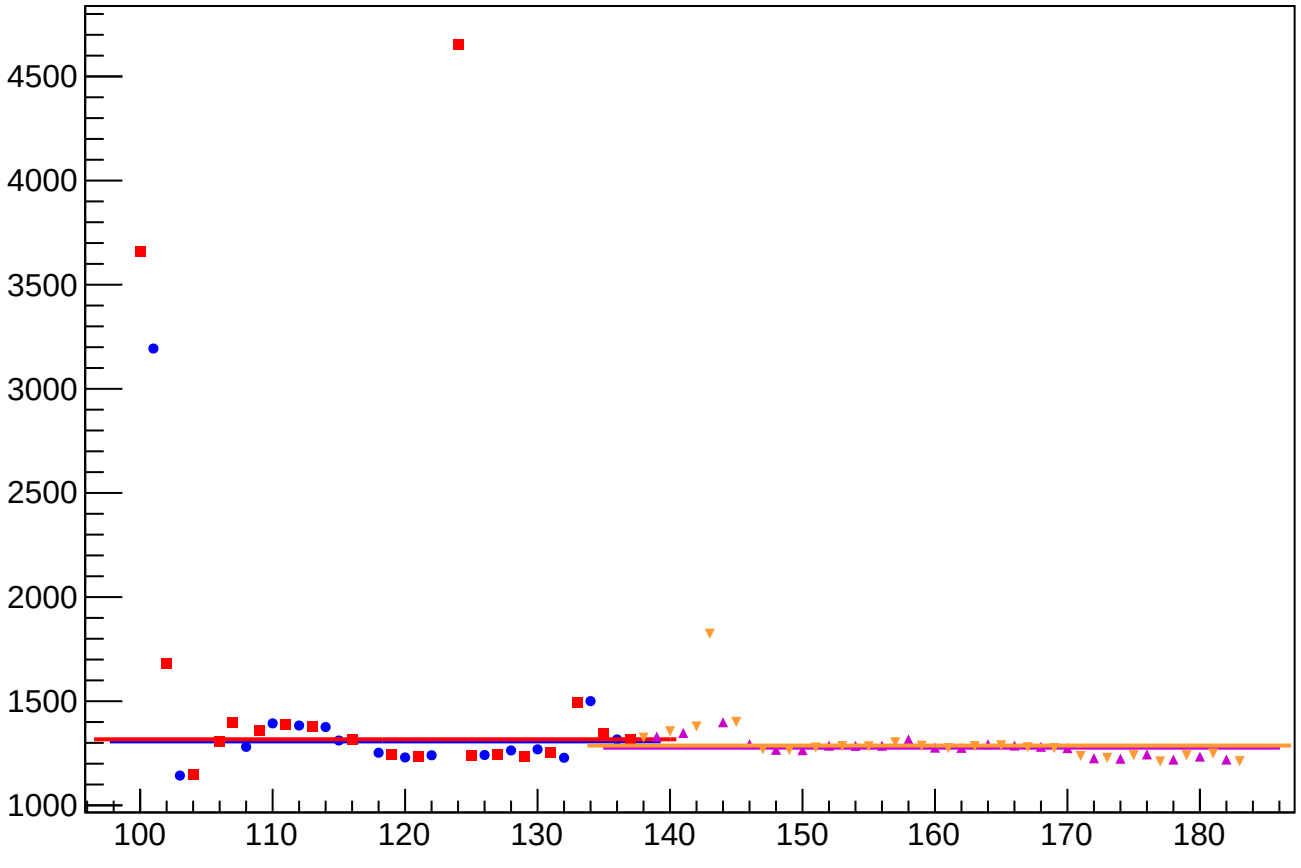
Left: 1962.110+/-210.644 χ^2/NDF: 62.1/45

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2550.588+/-257.105 χ^2/NDF:31.1/37

Out: 1526.593+/-253.424 χ^2/NDF:52.9/42

All: 2031.208+/-180.485 χ^2/NDF: 92.0/80



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1287.069+/-0.209 χ^2/NDF:188051.4/23

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: 1282.133+/-0.149 χ^2/NDF: 229191.3/45

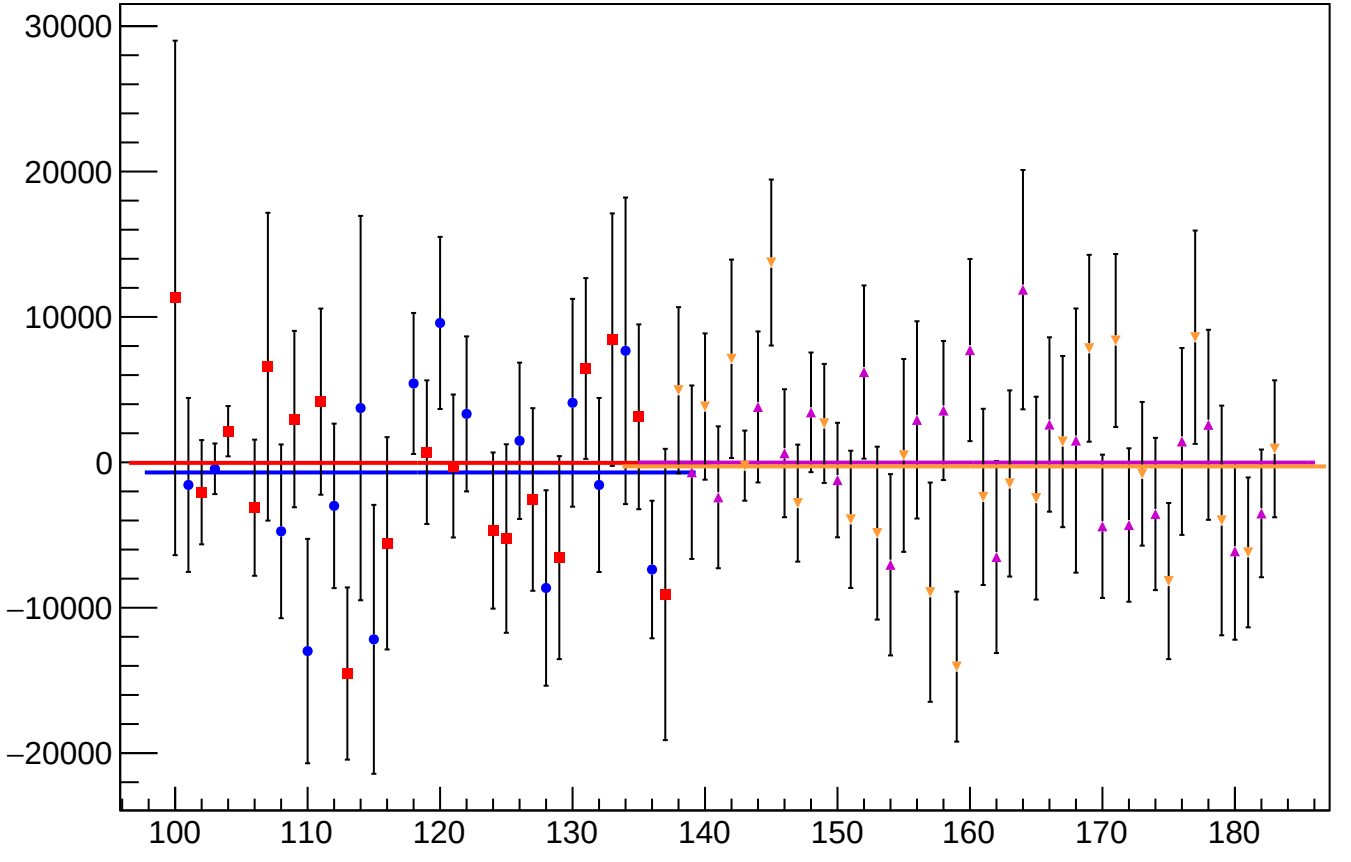
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1285.103+/-0.182 χ^2/NDF:561631.6/37

Out: 1294.979+/-0.179 χ^2/NDF:519439.7/42

All: 1290.114+/-0.128 χ^2/NDF: 1082568.8/80

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: -280.651+/-1046.372 χ^2/NDF:28.6/23

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -17.180+/-1158.794 χ^2/NDF:13.3/21

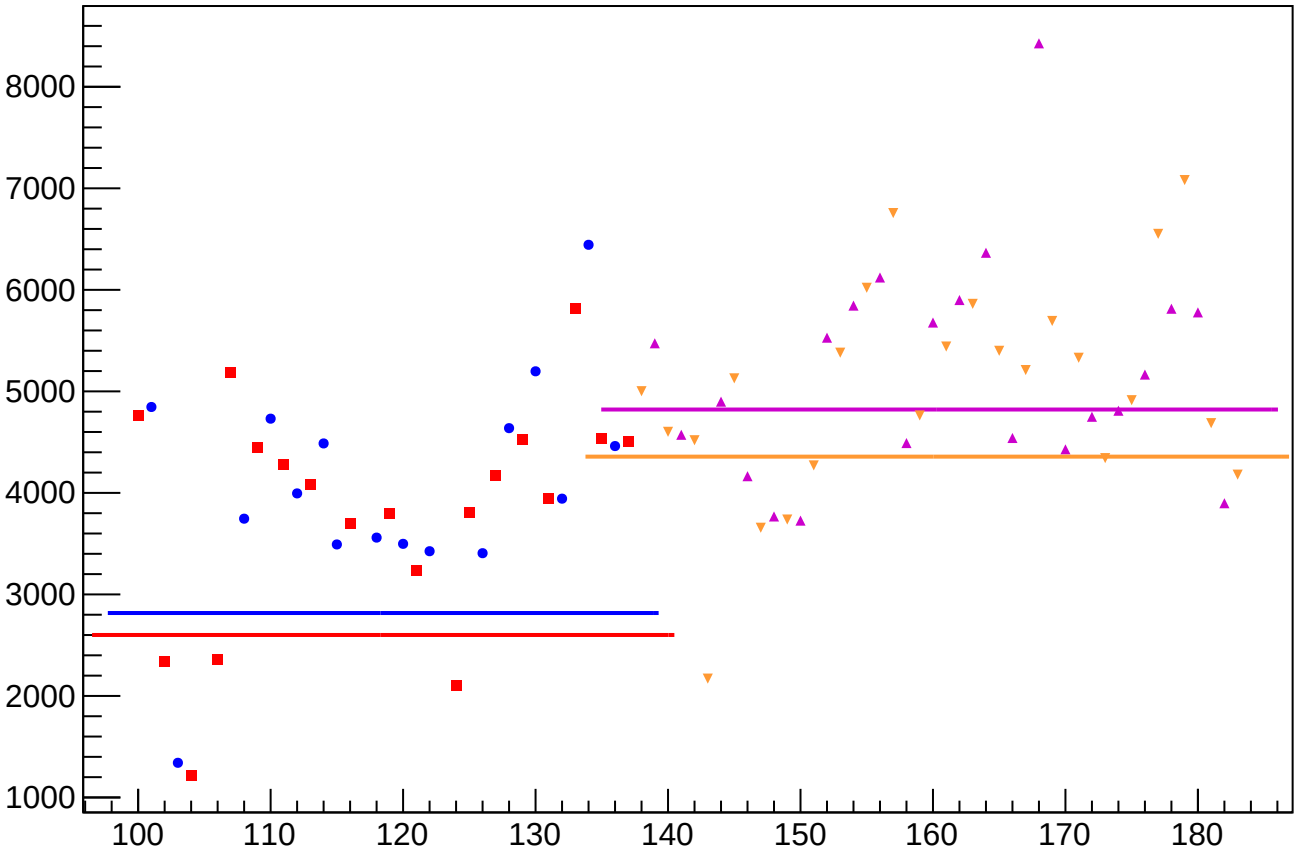
Left: -162.313+/-776.609 χ^2/NDF: 41.9/45

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -349.369+/-827.622 χ^2/NDF:28.1/37

Out: -164.290+/-757.559 χ^2/NDF:44.5/42

All: -248.665+/-558.806 χ^2/NDF: 72.7/80



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4357.154+/-0.740 χ^2/NDF:3070724.6/23

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4821.212+/-0.819 χ^2/NDF:1208136.1/21

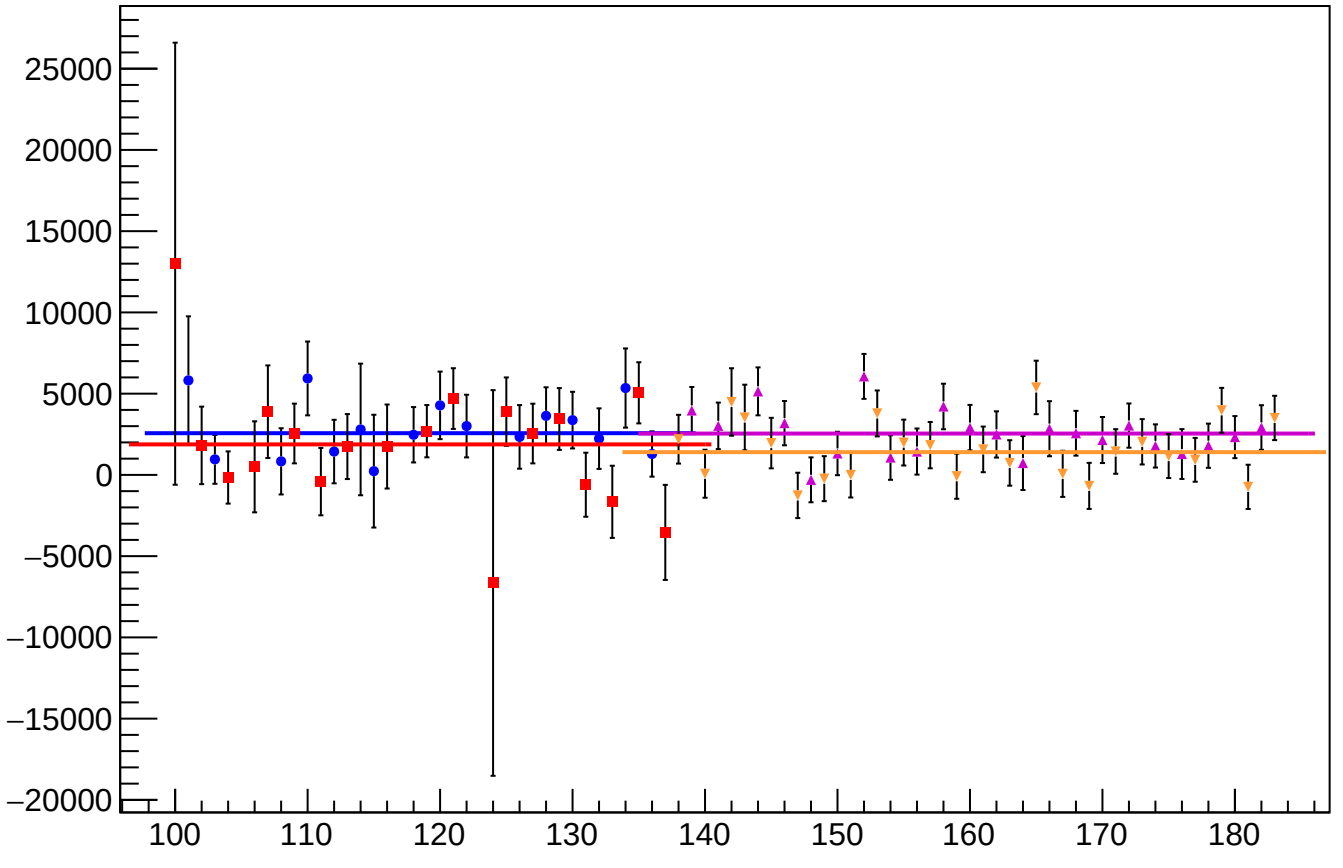
Left: 4565.586+/-0.549 χ^2/NDF: 4455543.9/45

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3839.234+/-0.585 χ^2/NDF:7147340.9/37

Out: 3521.272+/-0.536 χ^2/NDF:8833645.0/42

All: 3666.227+/-0.395 χ^2/NDF: 16141607.6/8



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1401.655+/-295.080 χ^2/NDF:32.7/23

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2544.471+/-300.792 χ^2/NDF:22.1/21

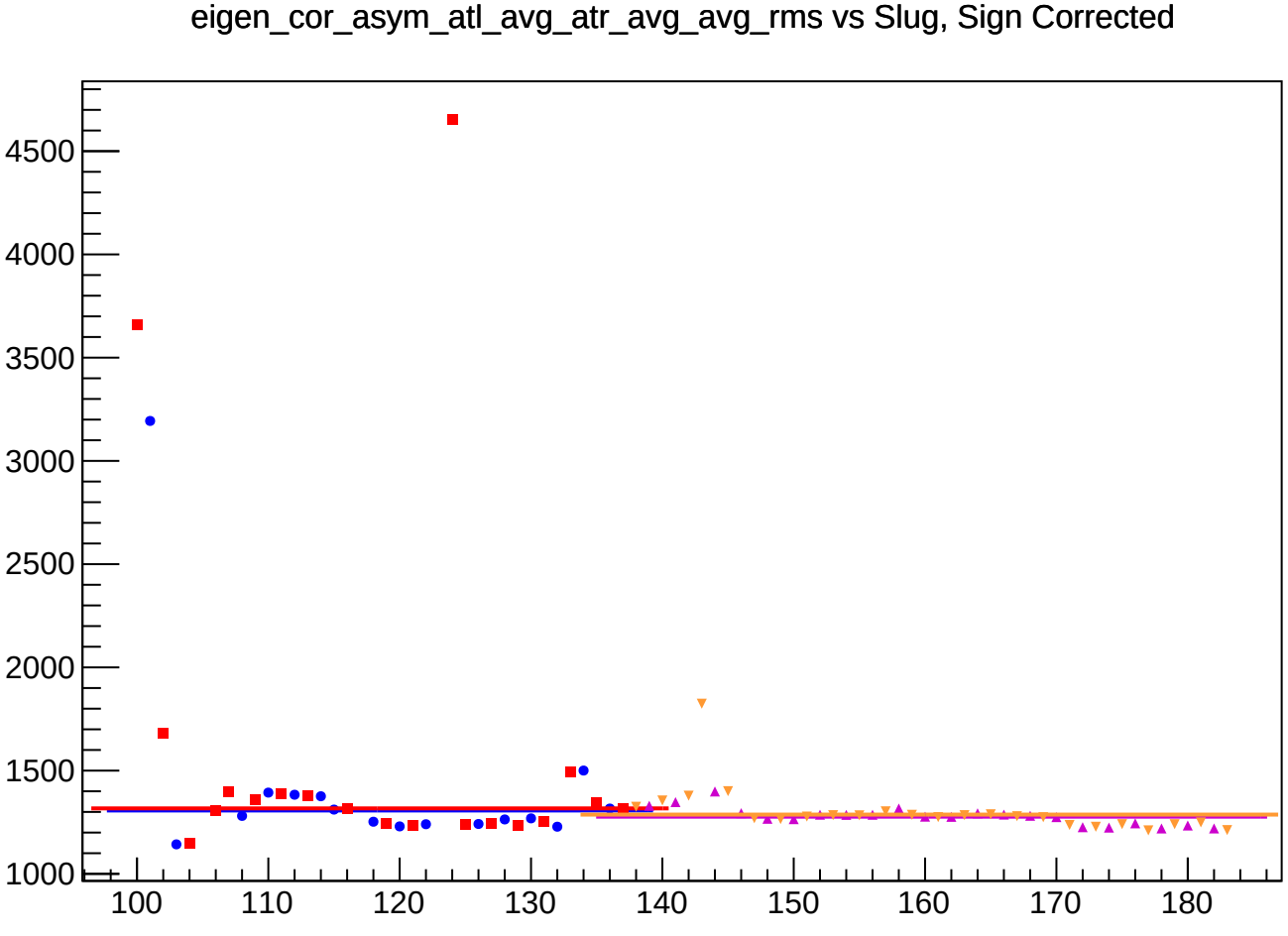
Left: 1962.110+/-210.644 χ^2/NDF: 62.1/45

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2550.588+/-257.105 χ^2/NDF:31.1/37

Out: 1526.593+/-253.424 χ^2/NDF:52.9/42

All: 2031.208+/-180.485 χ^2/NDF: 92.0/80



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1287.069+/-0.209 χ^2/NDF:188051.4/23

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: 1282.133+/-0.149 χ^2/NDF: 229191.3/45

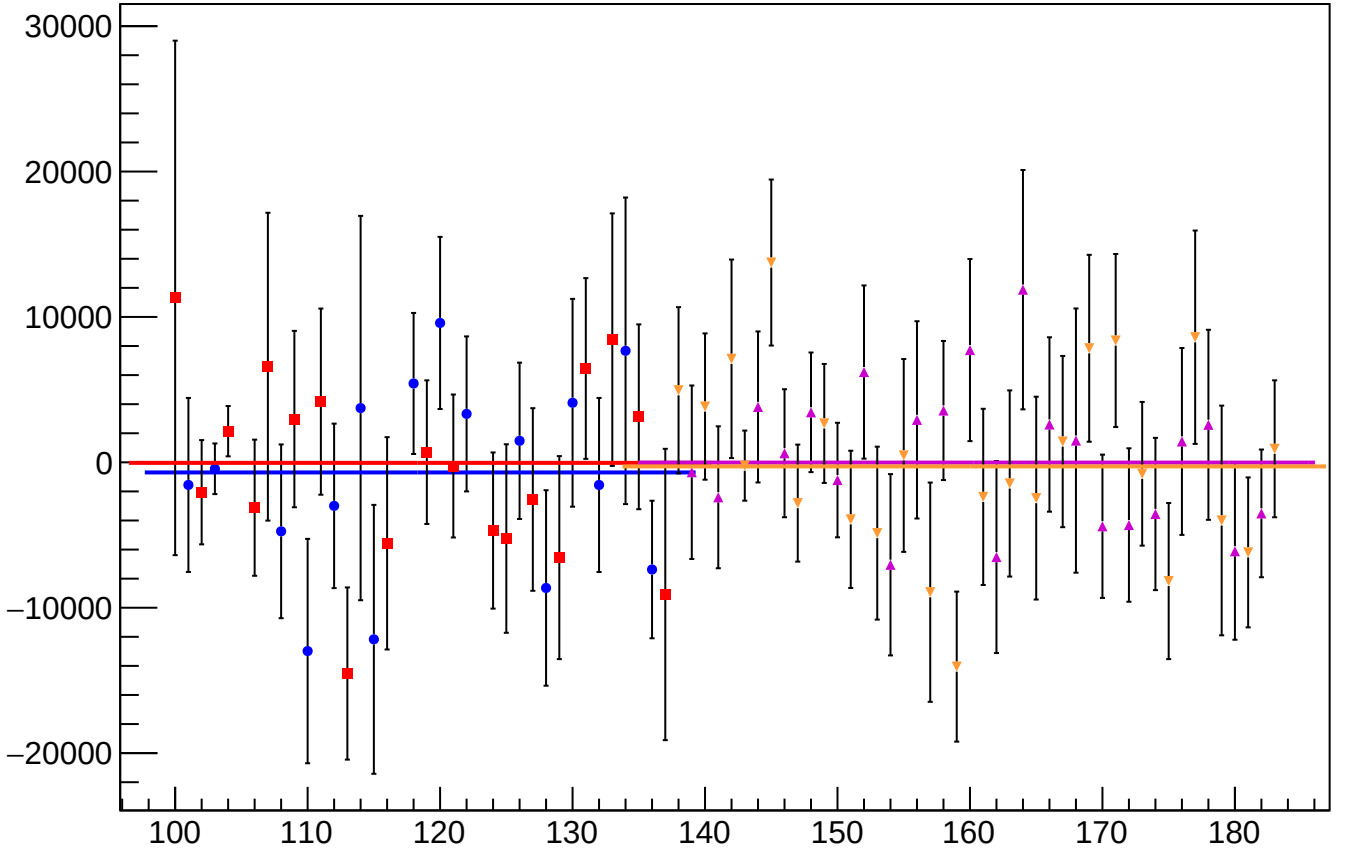
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1285.103+/-0.182 χ^2/NDF:561631.6/37

Out: 1294.979+/-0.179 χ^2/NDF:519439.7/42

All: 1290.114+/-0.128 χ^2/NDF: 1082568.8/80

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: -280.651+/-1046.372 χ^2/NDF:28.6/23

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: -162.313+/-776.609 χ^2/NDF: 41.9/45

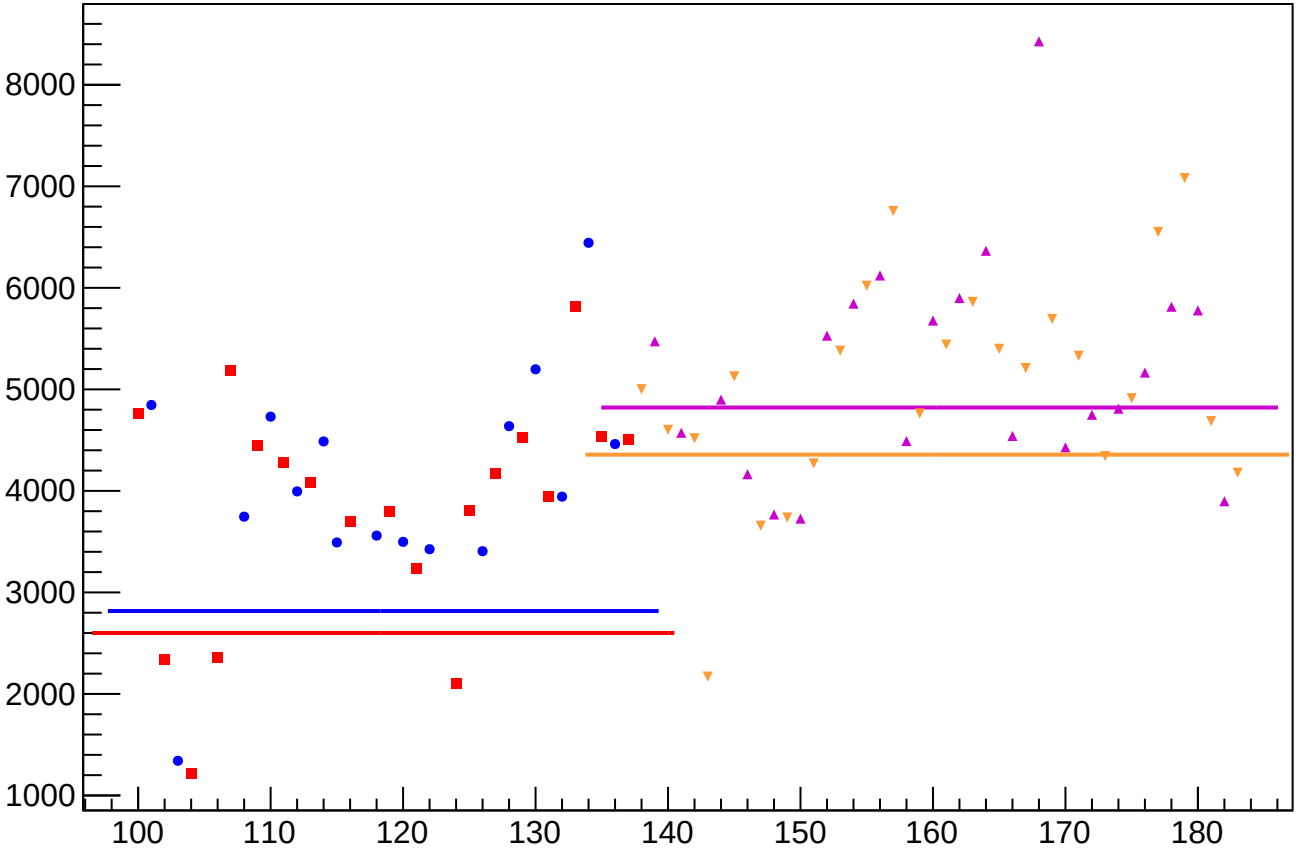
Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -349.369+/-827.622 χ^2/NDF:28.1/37

Out: -164.290+/-757.559 χ^2/NDF:44.5/42

All: -248.665+/-558.806 χ^2/NDF: 72.7/80

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: 4357.154+/-0.740 χ^2/NDF:3070724.6/23

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4821.212+/-0.819 χ^2/NDF:1208136.1/21

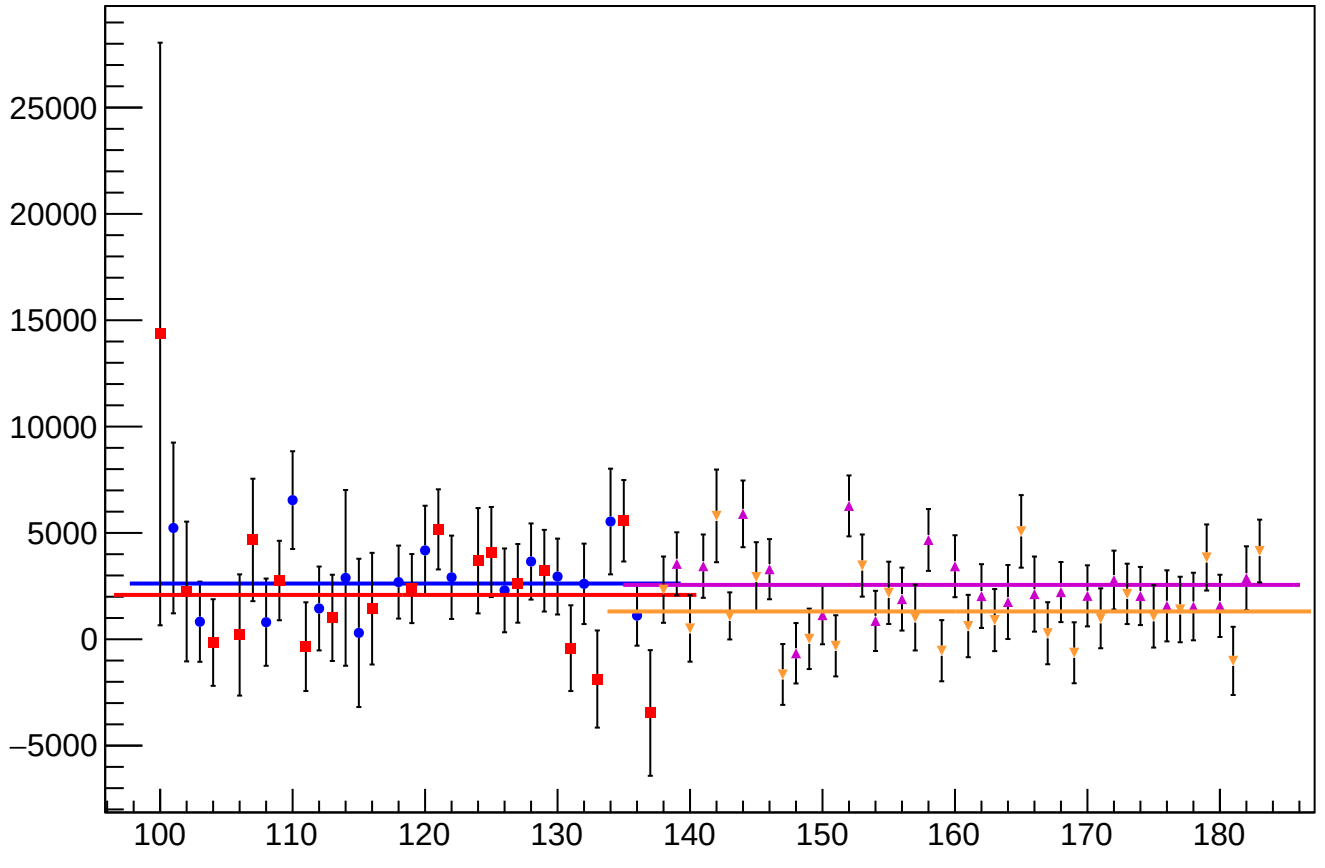
Left: 4565.586+/-0.549 χ^2/NDF: 4455543.9/45

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3839.234+/-0.585 χ^2/NDF:7147340.9/37

Out: 3521.272+/-0.536 χ^2/NDF:8833645.0/42

All: 3666.227+/-0.395 χ^2/NDF: 16141607.6/8



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1308.177+/-302.780 χ^2/NDF:33.0/23

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2557.238+/-315.715 χ^2/NDF:24.7/21

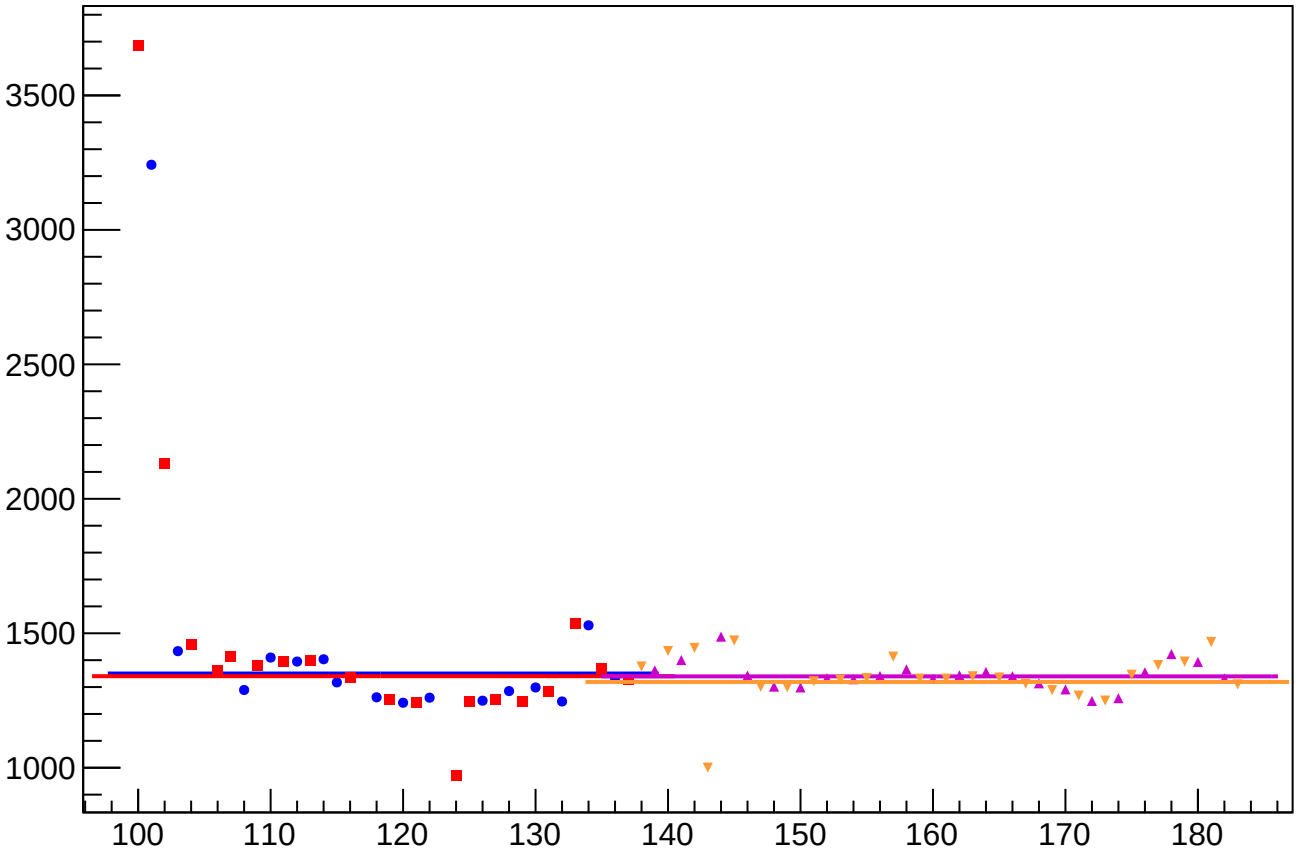
Left: 1906.596+/-218.527 χ^2/NDF: 65.8/45

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2574.699+/-268.661 χ^2/NDF:34.0/37

Out: 1513.823+/-259.664 χ^2/NDF:55.6/42

All: 2026.201+/-186.710 χ^2/NDF: 97.7/80



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1319.080+/-0.214 χ^2/NDF:247339.9/23

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1339.704+/-0.223 χ^2/NDF:52884.2/21

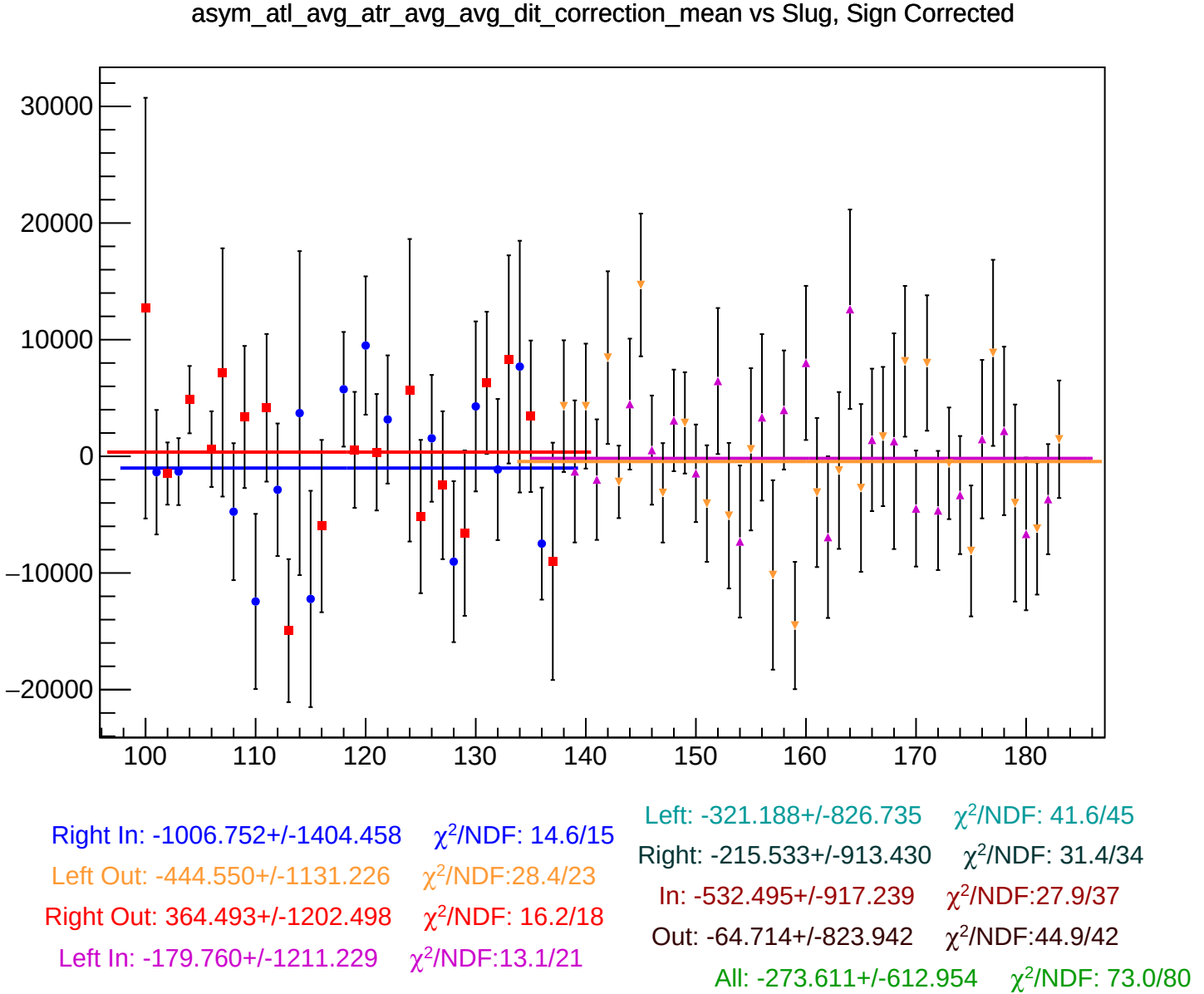
Left: 1328.961+/-0.155 χ^2/NDF: 304669.8/45

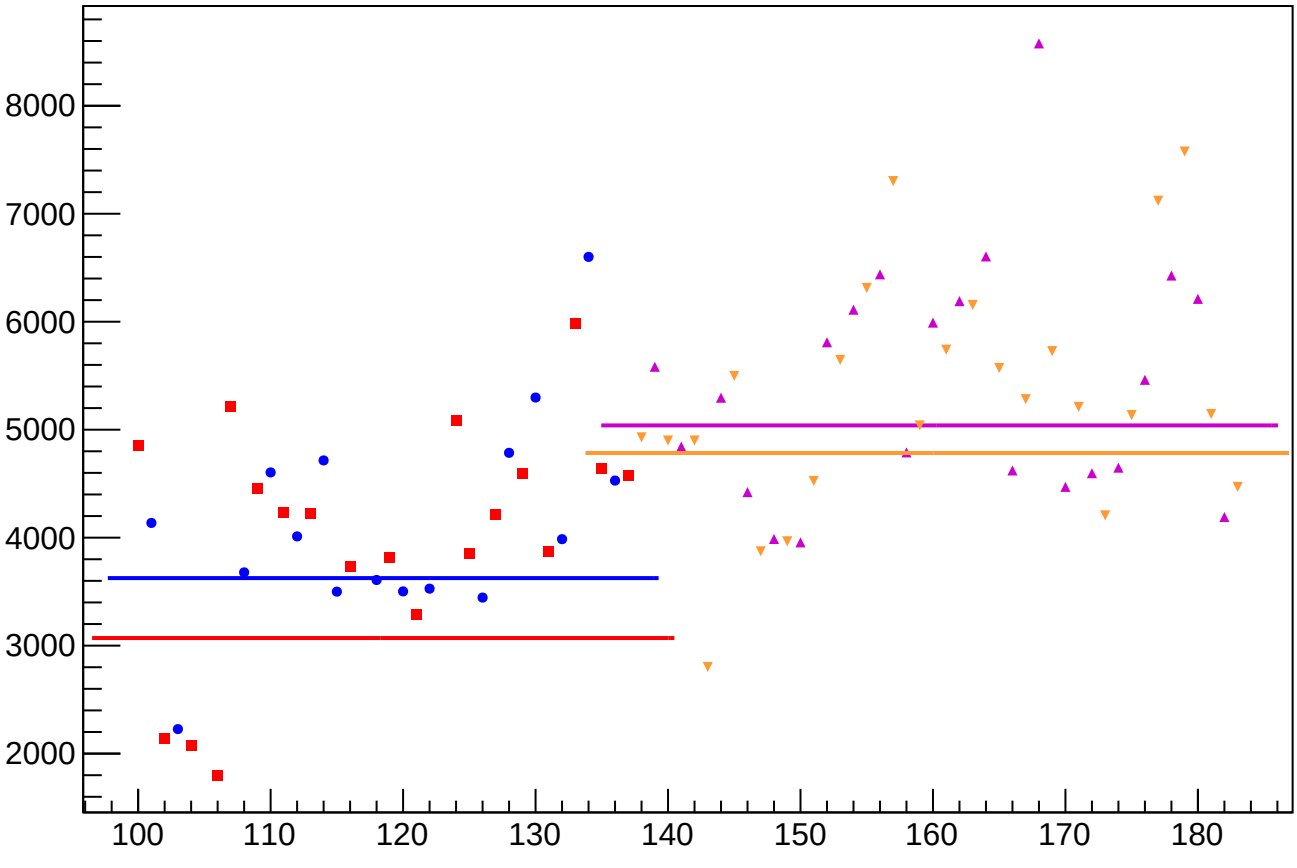
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1342.646+/-0.190 χ^2/NDF:547564.9/37

Out: 1324.732+/-0.184 χ^2/NDF:522156.0/42

All: 1333.383+/-0.132 χ^2/NDF: 1074319.0/80


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: -444.550+/-1131.226 χ²/NDF:28.4/23
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: -179.760+/-1211.229 χ²/NDF:13.1/21
Left: -321.188+/-826.735 χ²/NDF: 41.6/45
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -532.495+/-917.239 χ²/NDF:27.9/37
Out: -64.714+/-823.942 χ²/NDF:44.9/42
All: -273.611+/-612.954 χ²/NDF: 73.0/80



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4784.100+/-0.800 χ^2/NDF:2004882.8/23

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5039.567+/-0.856 χ^2/NDF:1204289.7/21

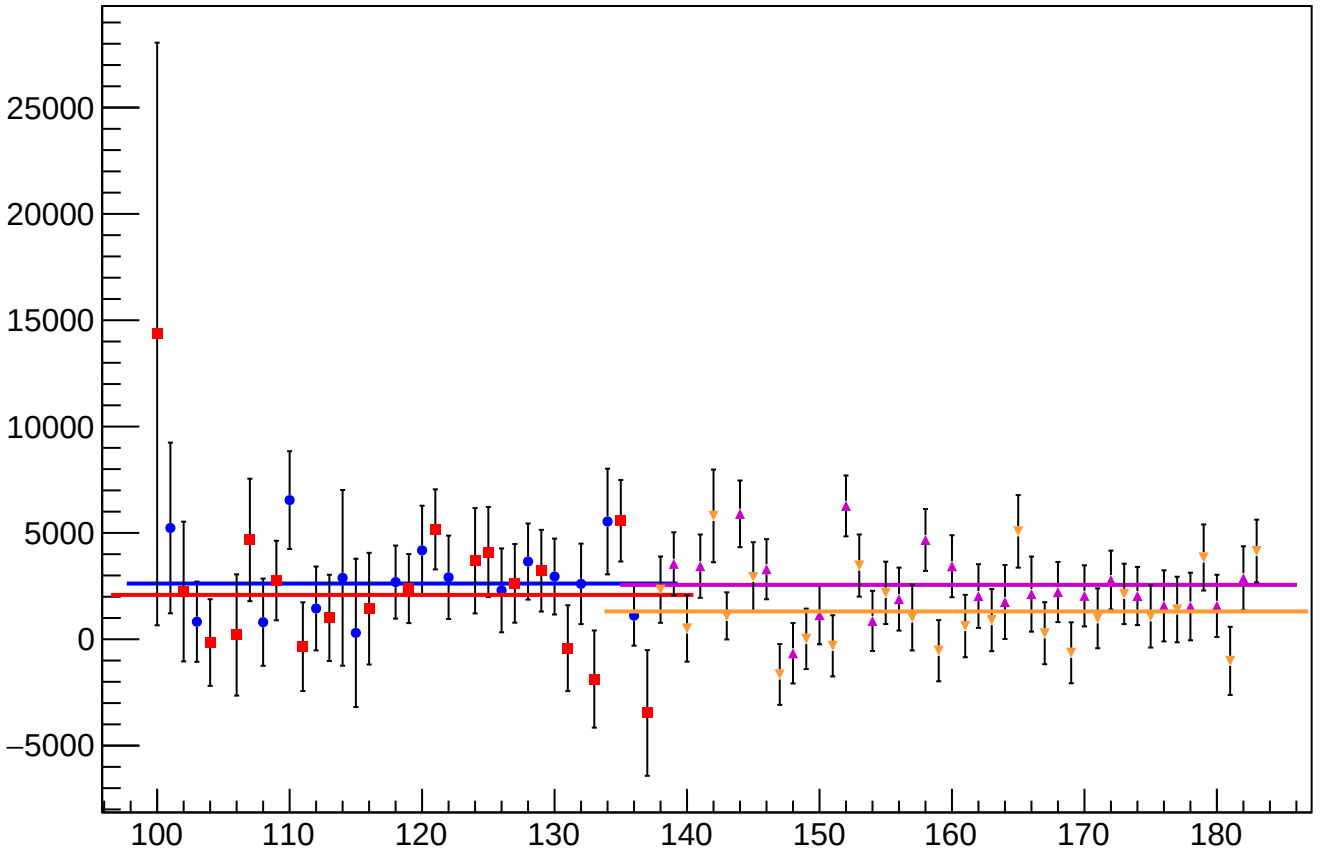
Left: 4903.119+/-0.585 χ^2/NDF: 3256692.9/45

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4436.433+/-0.649 χ^2/NDF:3311868.1/37

Out: 3979.558+/-0.583 χ^2/NDF:5998328.9/42

All: 4183.585+/-0.433 χ^2/NDF: 9584811.0/80



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1308.172+/-302.780 χ^2/NDF:33.0/23

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2557.239+/-315.715 χ^2/NDF:24.7/21

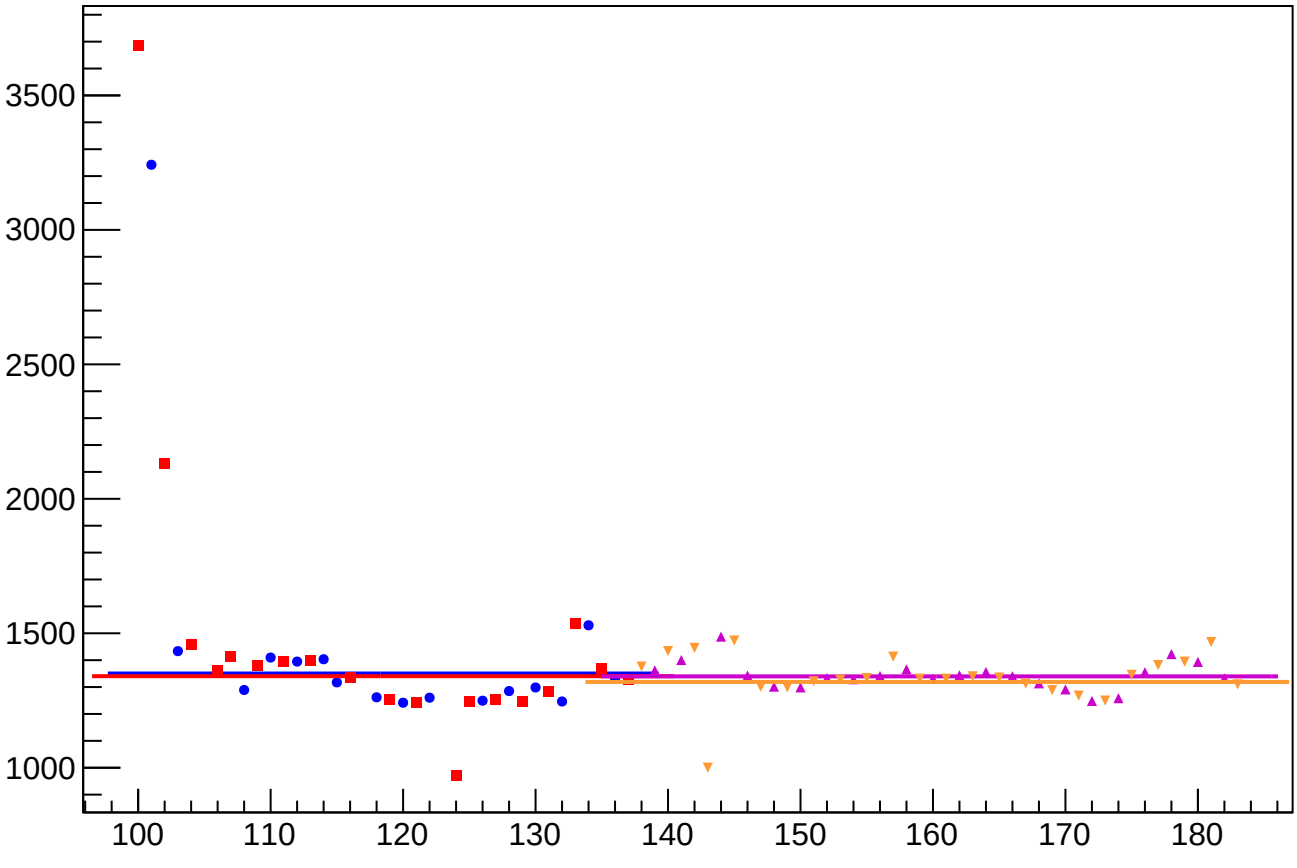
Left: 1906.594+/-218.528 χ^2/NDF: 65.8/45

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2574.700+/-268.661 χ^2/NDF:34.0/37

Out: 1513.821+/-259.664 χ^2/NDF:55.6/42

All: 2026.200+/-186.710 χ^2/NDF: 97.7/80



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1319.081+/-0.214 χ^2/NDF:247342.5/23

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1339.705+/-0.223 χ^2/NDF:52886.8/21

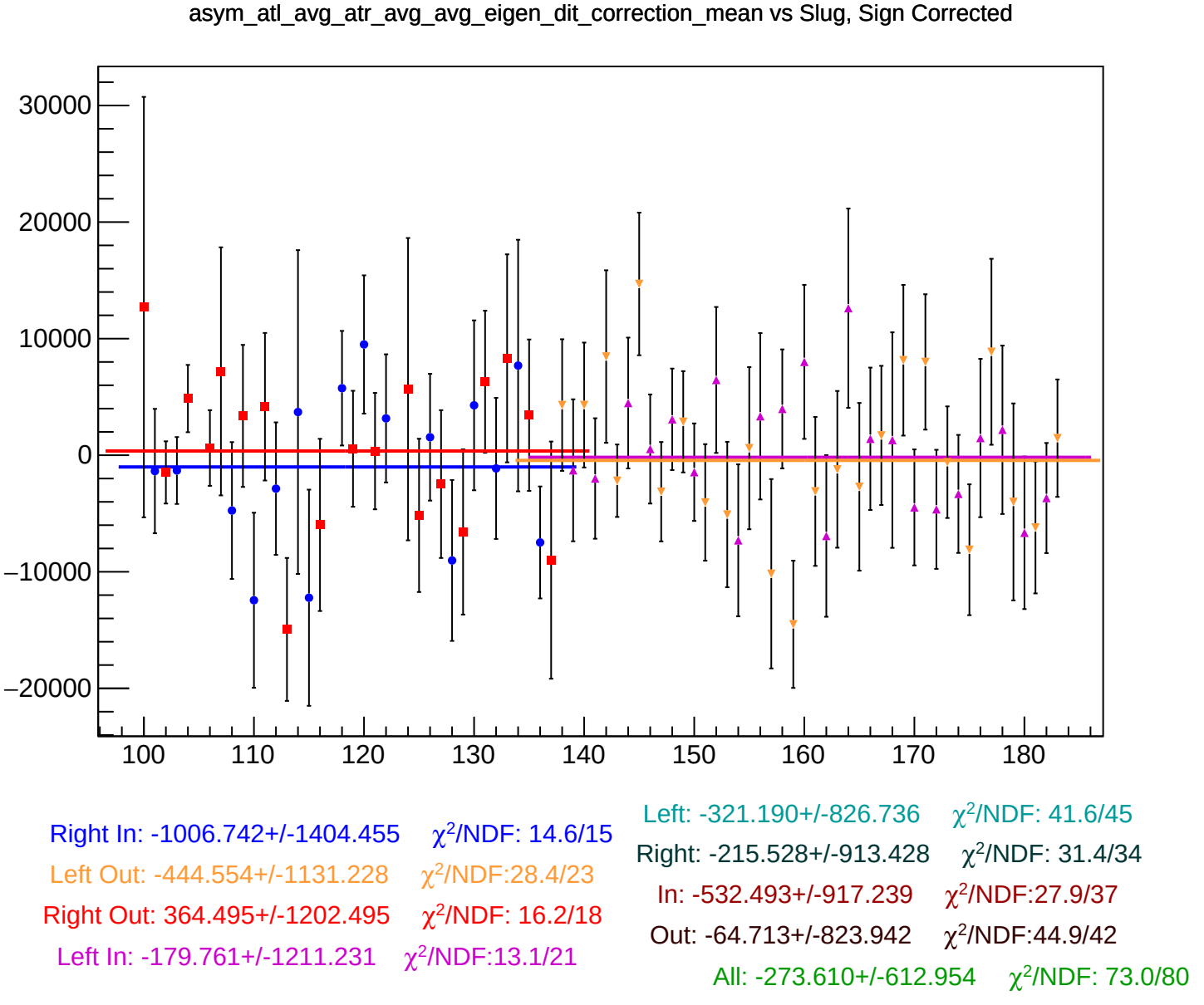
Left: 1328.962+/-0.155 χ^2/NDF: 304675.0/45

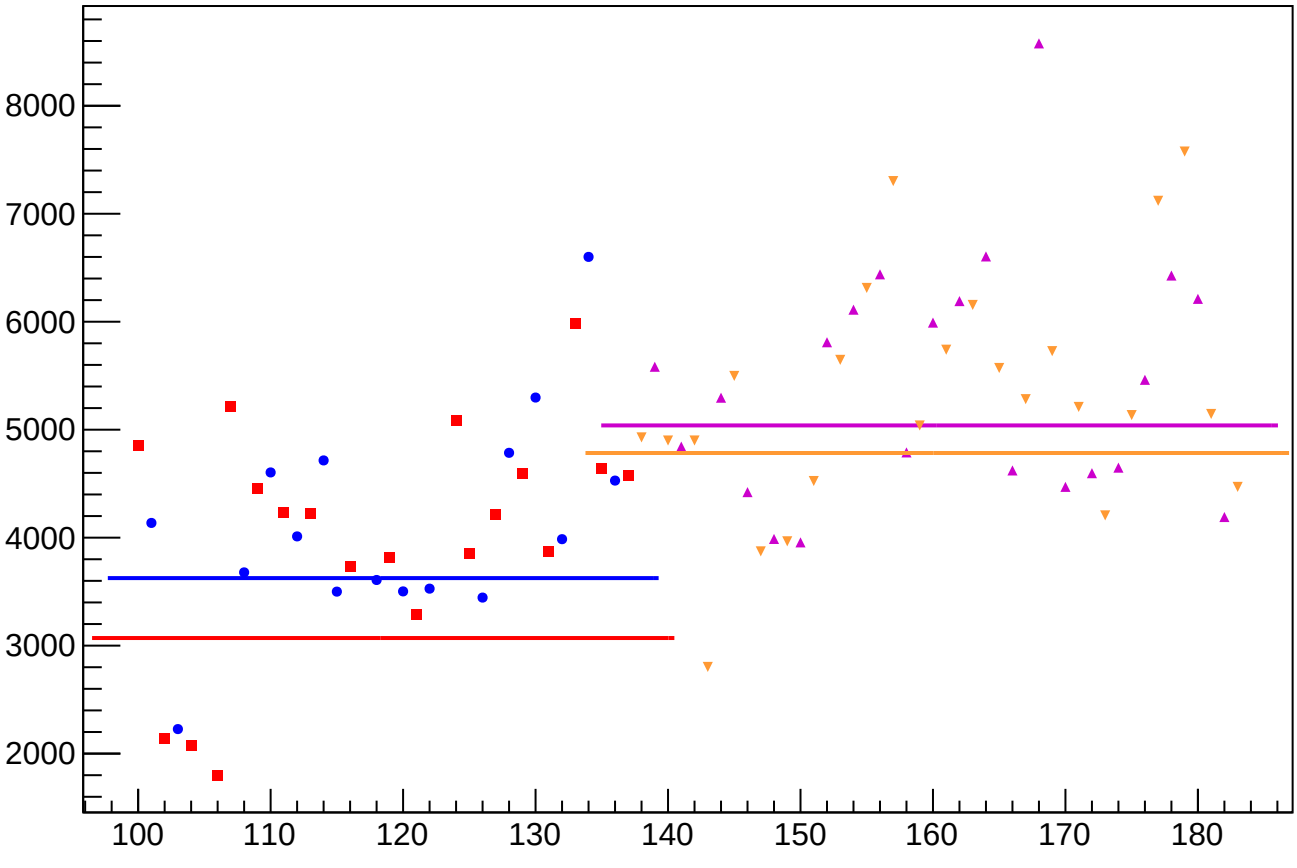
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1342.647+/-0.190 χ^2/NDF:547567.4/37

Out: 1324.733+/-0.184 χ^2/NDF:522157.2/42

All: 1333.383+/-0.132 χ^2/NDF: 1074322.6/80


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: -444.554+/-1131.228 χ²/NDF:28.4/23
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: -179.761+/-1211.231 χ²/NDF:13.1/21
Left: -321.190+/-826.736 χ²/NDF: 41.6/45
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -532.493+/-917.239 χ²/NDF:27.9/37
Out: -64.713+/-823.942 χ²/NDF:44.9/42
All: -273.610+/-612.954 χ²/NDF: 73.0/80



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4784.108+/-0.800 χ^2/NDF:2004884.4/23

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5039.575+/-0.856 χ^2/NDF:1204293.5/21

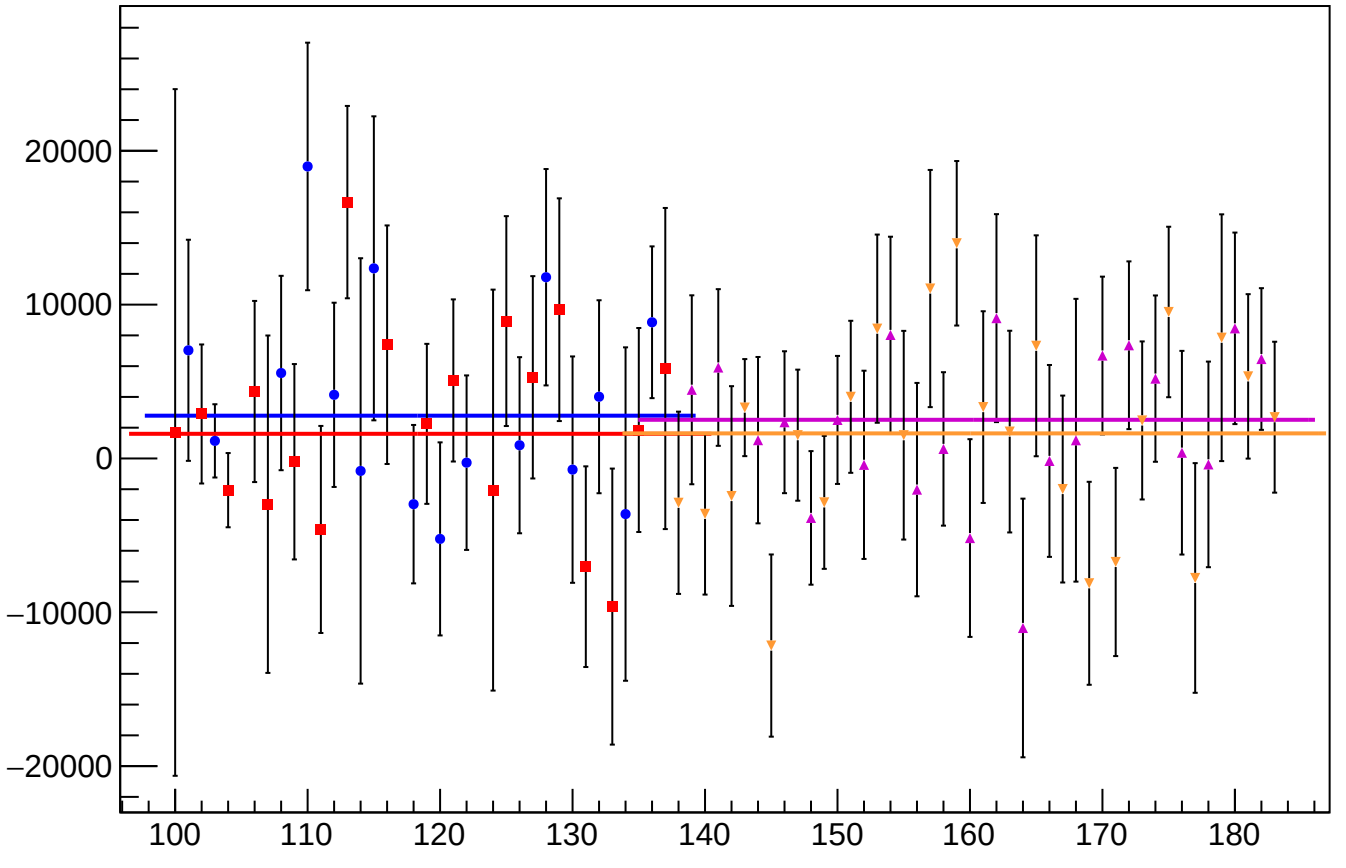
Left: 4903.126+/-0.585 χ^2/NDF: 3256698.0/45

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4436.431+/-0.649 χ^2/NDF:3311902.8/37

Out: 3979.554+/-0.583 χ^2/NDF:5998377.0/42

All: 4183.582+/-0.433 χ^2/NDF: 9584895.5/80



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1629.574+/-1125.819 χ^2/NDF:26.9/23

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 2513.256+/-1202.880 χ^2/NDF:13.1/21

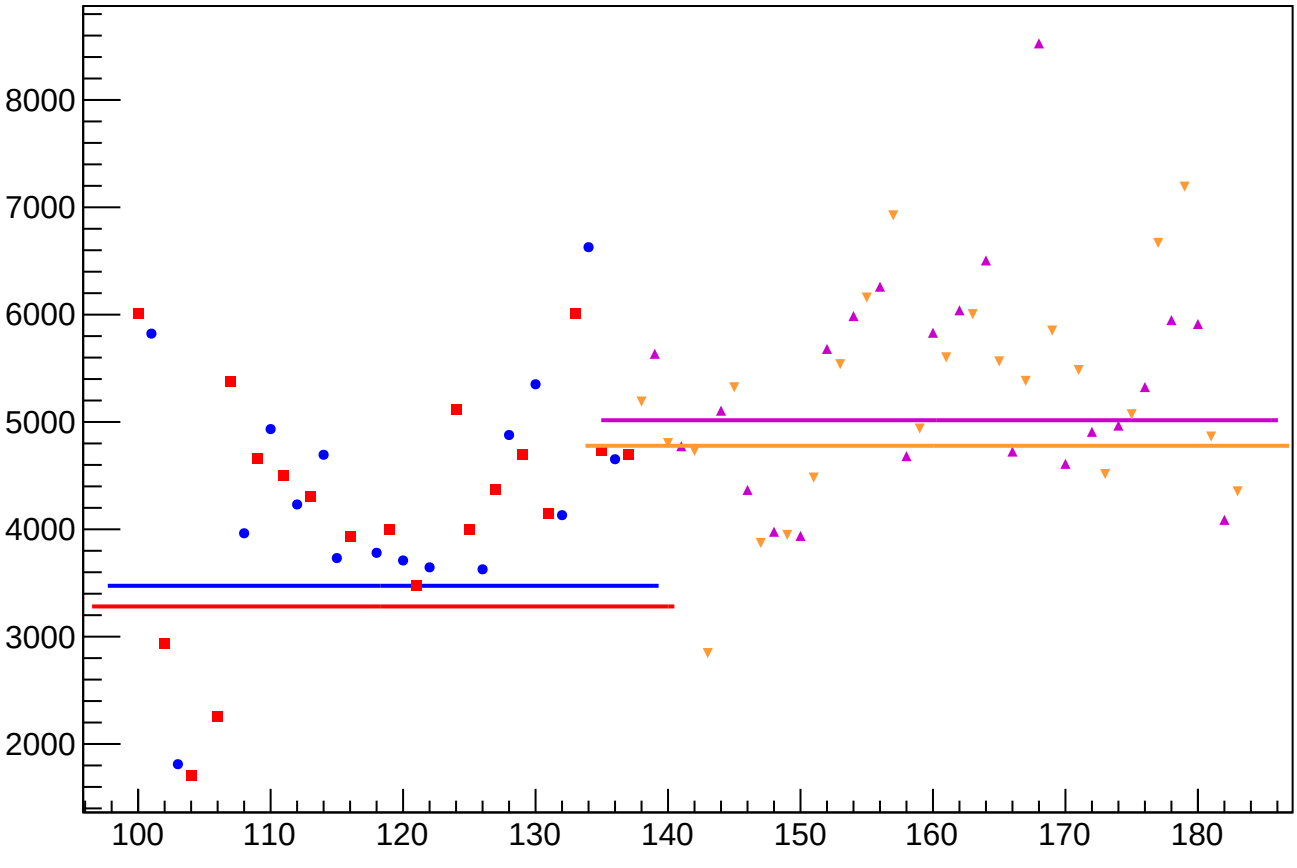
Left: 2042.205+/-821.968 χ^2/NDF: 40.3/45

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2627.906+/-909.424 χ^2/NDF:26.3/37

Out: 1618.394+/-861.180 χ^2/NDF:43.7/42

All: 2095.664+/-625.306 χ^2/NDF: 70.6/80



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4778.271+/-0.796 χ^2/NDF:1782405.0/23

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5016.369+/-0.851 χ^2/NDF:1073502.8/21

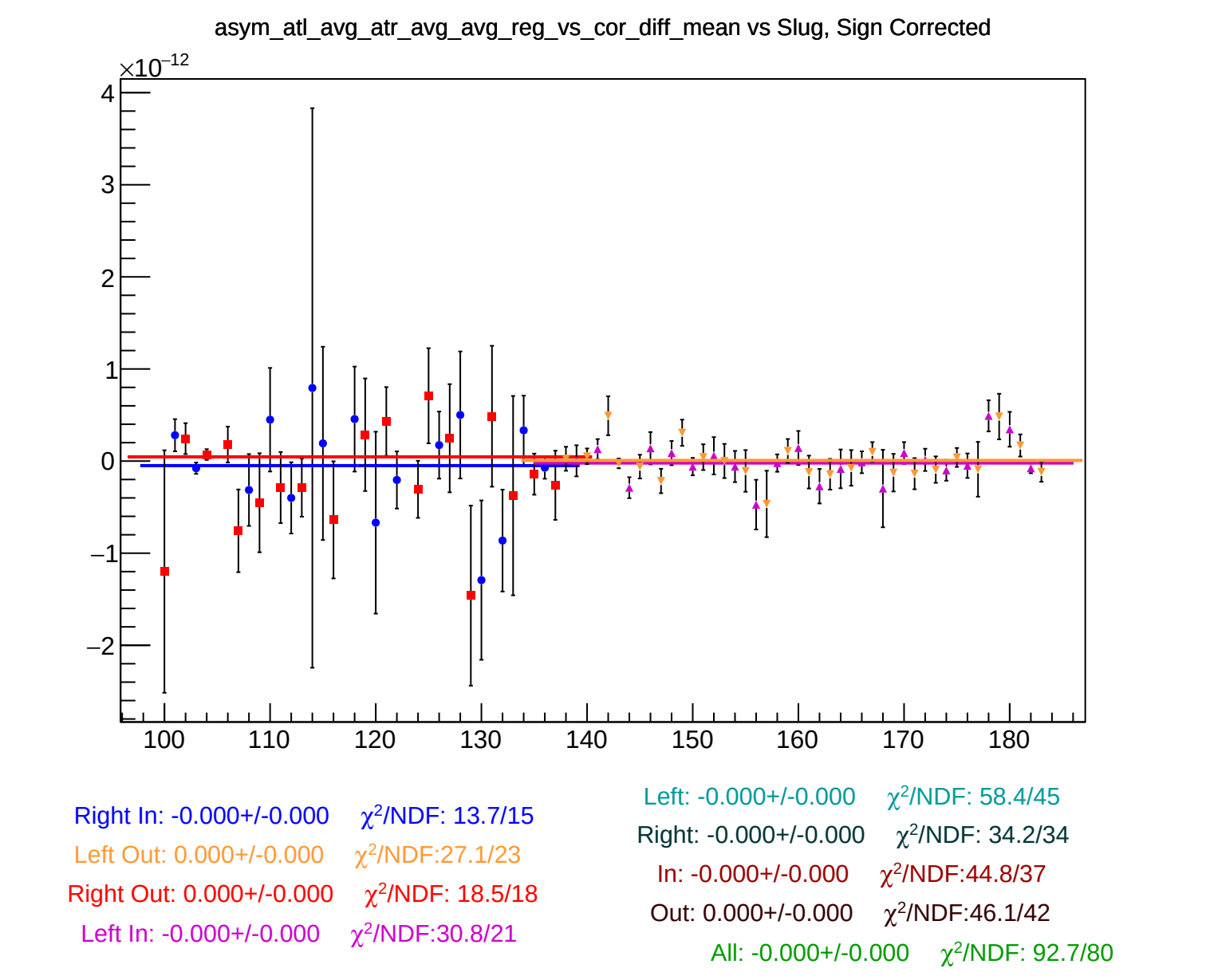
Left: 4889.449+/-0.581 χ^2/NDF: 2897678.3/45

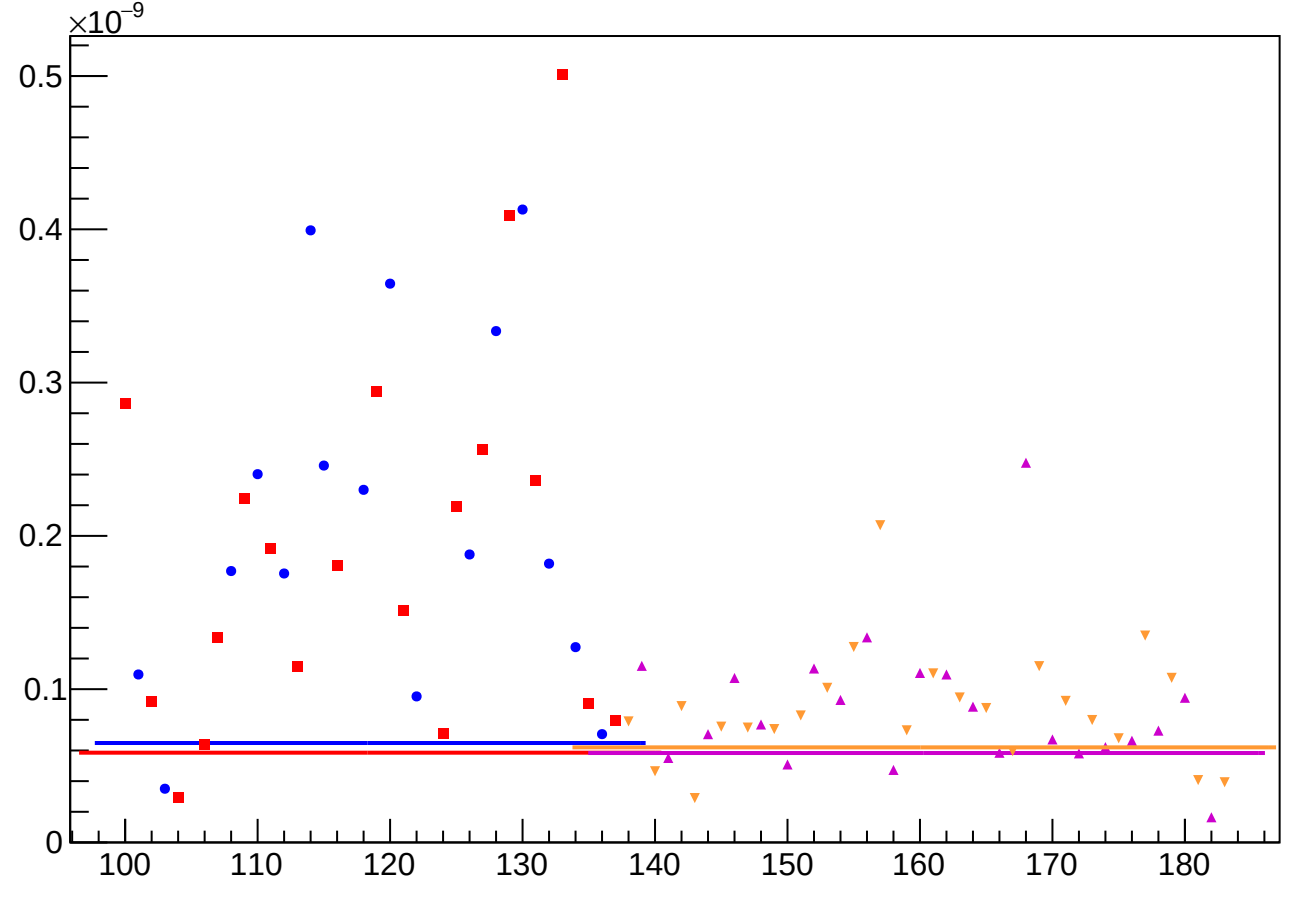
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4355.561+/-0.643 χ^2/NDF:4326358.7/37

Out: 4147.271+/-0.605 χ^2/NDF:5148233.4/42

All: 4245.148+/-0.441 χ^2/NDF: 9530206.8/80


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:27.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:30.8/21
Left: -0.000+/-0.000 χ²/NDF: 58.4/45
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:44.8/37
Out: 0.000+/-0.000 χ²/NDF:46.1/42
All: -0.000+/-0.000 χ²/NDF: 92.7/80



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2443158.1/23

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: 5419406.1/45

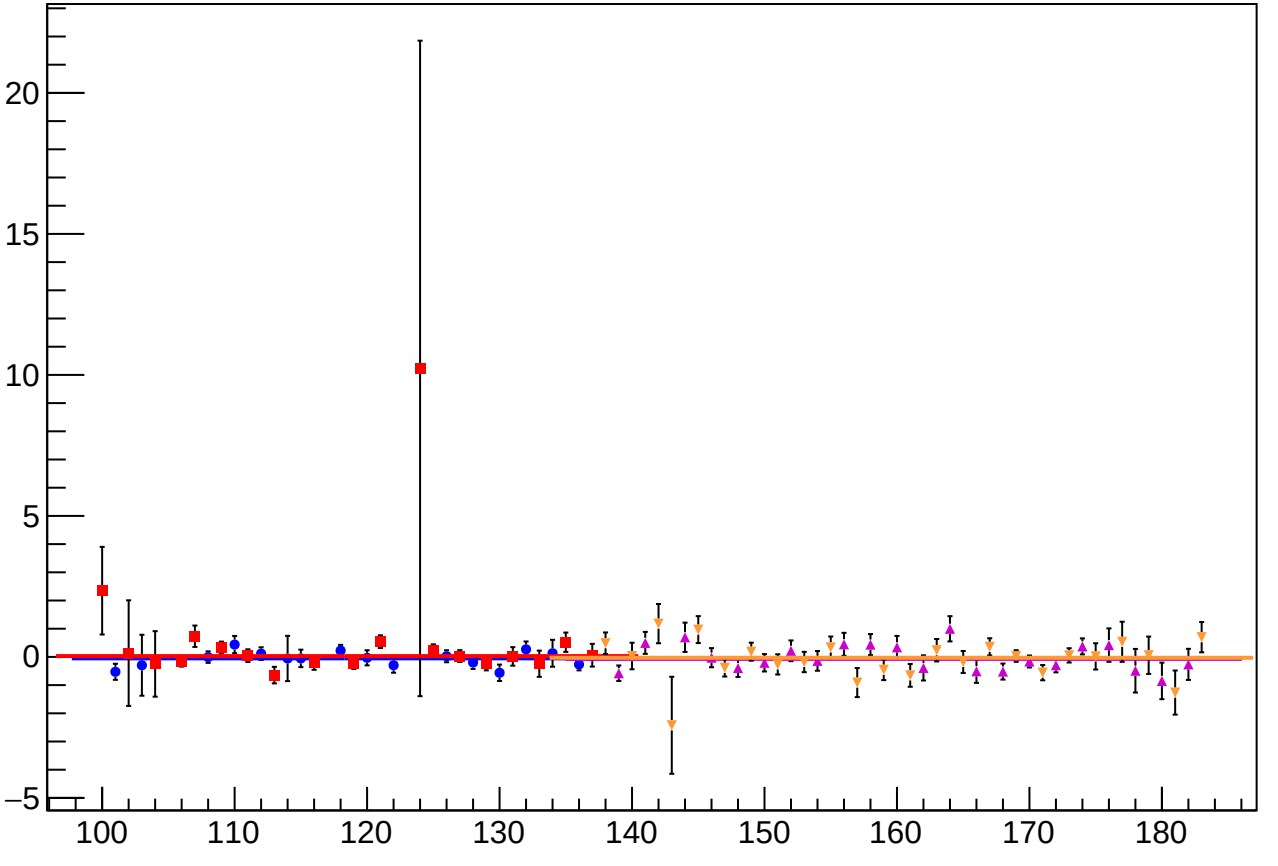
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:5577303.8/37

Out: 0.000+/-0.000 χ^2/NDF:5306499.4/42

All: 0.000+/-0.000 χ^2/NDF: 10887443.1/80

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: -0.031+/-0.077 χ^2/NDF:32.3/23

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: -0.051+/-0.054 χ^2/NDF: 62.3/45

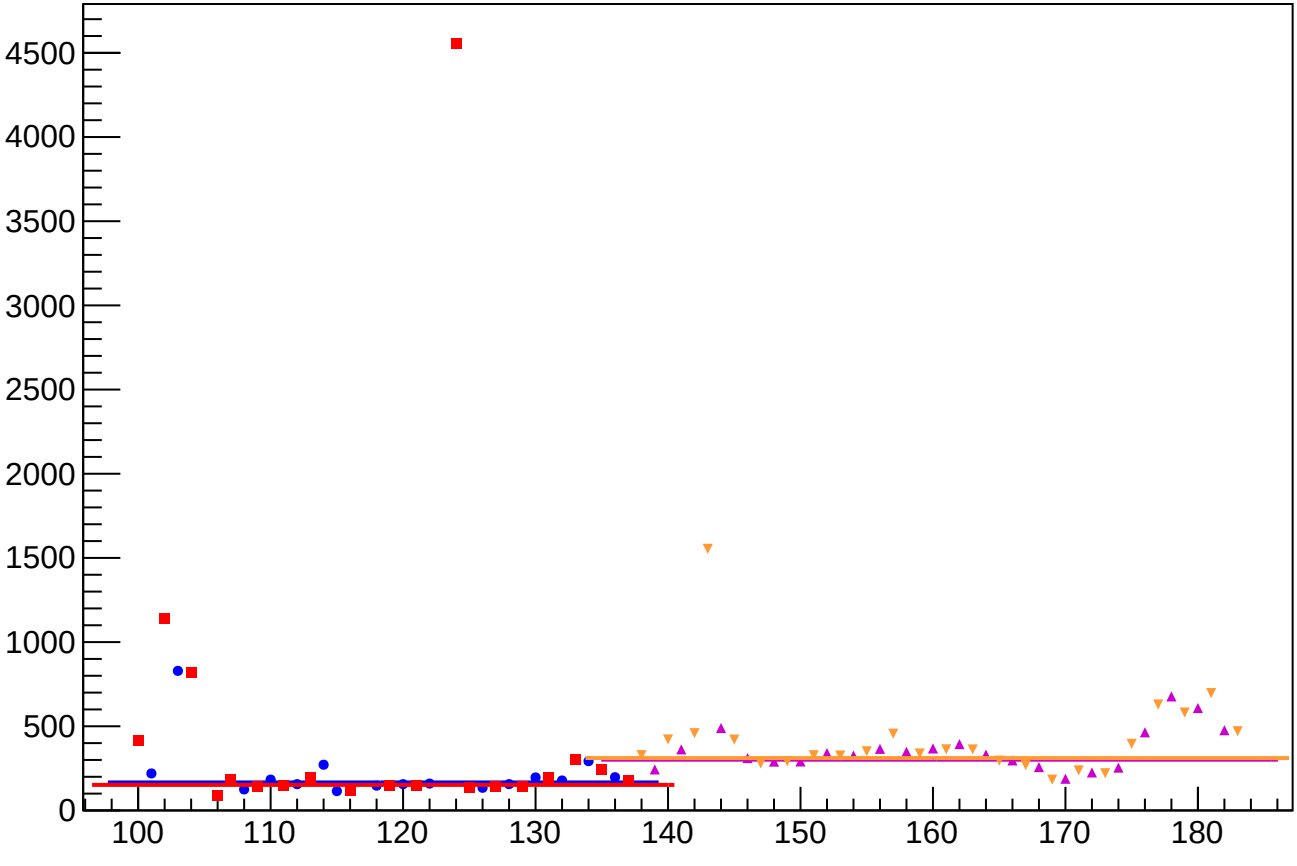
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.050 χ^2/NDF:44.8/37

Out: 0.005+/-0.049 χ^2/NDF:60.2/42

All: -0.027+/-0.035 χ^2/NDF: 105.8/80

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 311.205+/-0.054 χ^2/NDF:4331372.6/23

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: 306.302+/-0.038 χ^2/NDF: 7139292.1/45

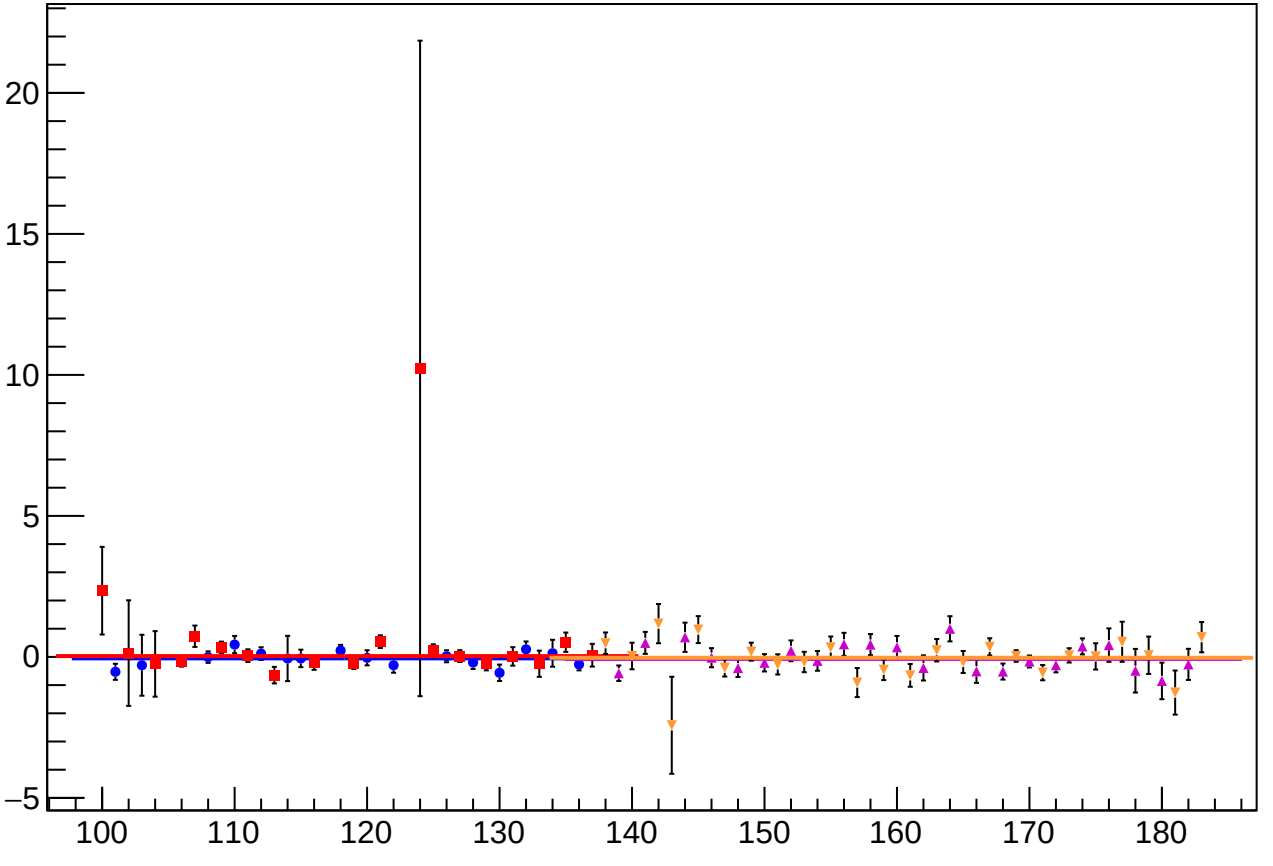
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 225.799+/-0.035 χ^2/NDF:7685885.8/37

Out: 216.883+/-0.035 χ^2/NDF:11710109.0/42

All: 221.277+/-0.025 χ^2/NDF: 19428308.0/80

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: -0.031+/-0.077 χ^2/NDF:32.3/23

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: -0.051+/-0.054 χ^2/NDF: 62.3/45

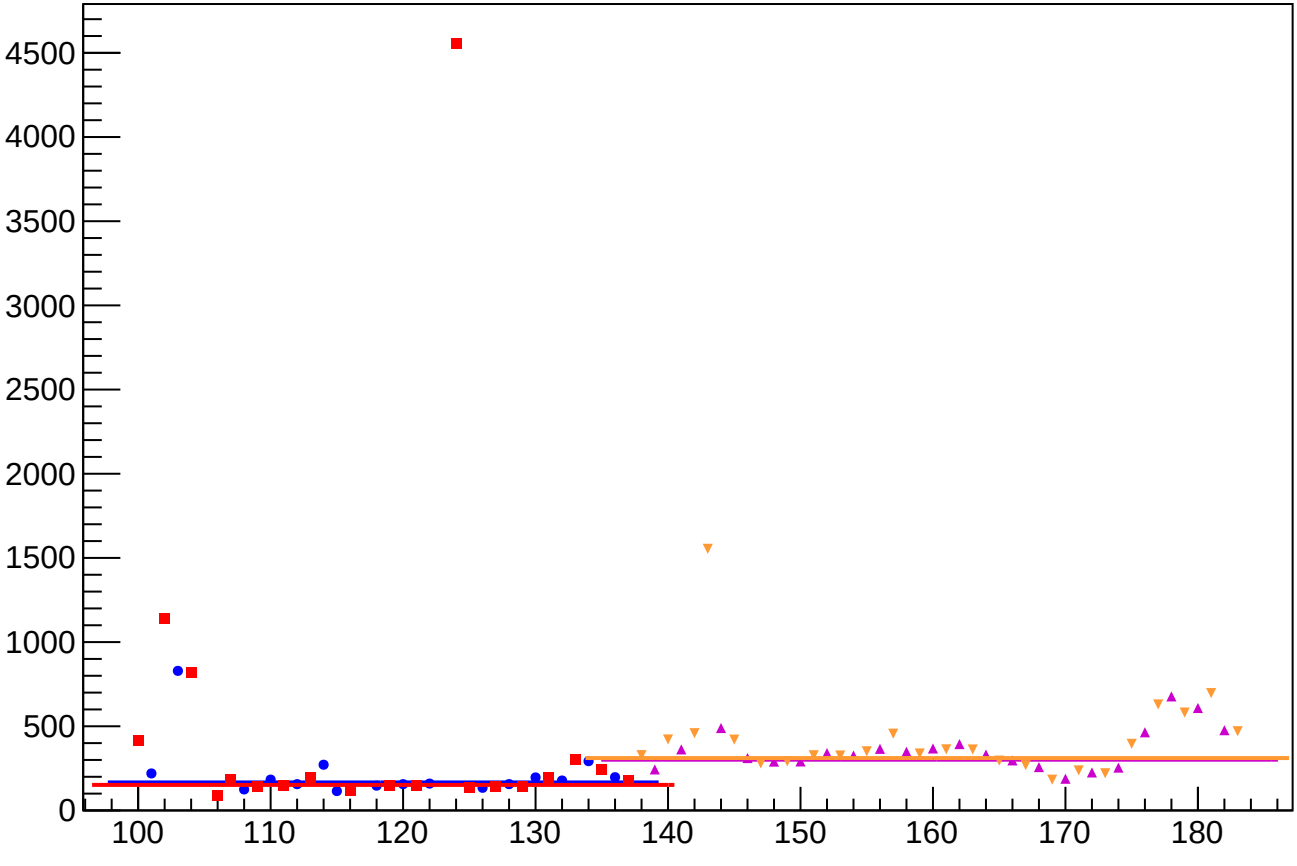
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.050 χ^2/NDF:44.8/37

Out: 0.005+/-0.049 χ^2/NDF:60.2/42

All: -0.027+/-0.035 χ^2/NDF: 105.8/80

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: 311.205+/-0.054 χ^2/NDF:4331372.6/23

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: 306.302+/-0.038 χ^2/NDF: 7139292.1/45

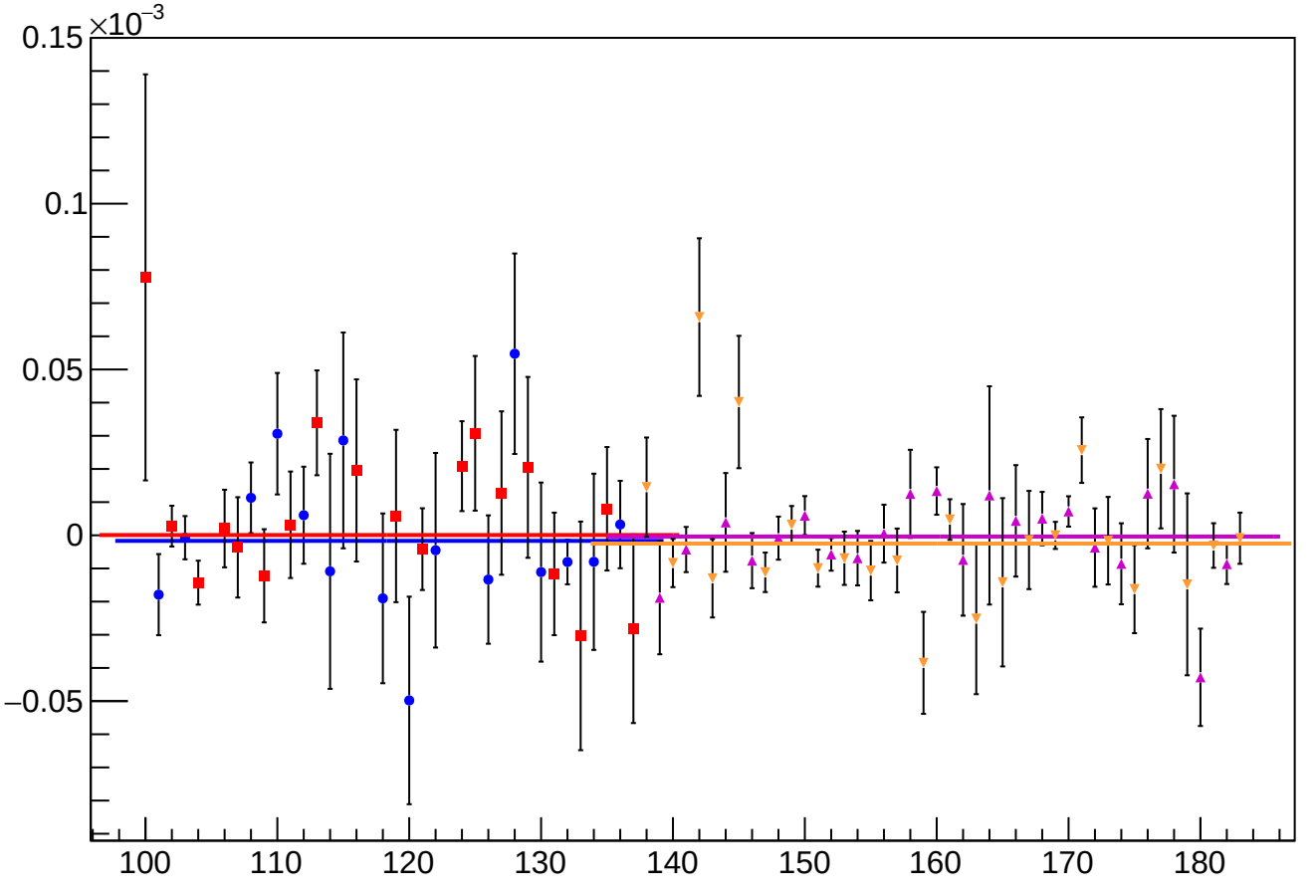
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 225.799+/-0.035 χ^2/NDF:7685885.8/37

Out: 216.883+/-0.035 χ^2/NDF:11710109.0/42

All: 221.277+/-0.025 χ^2/NDF: 19428308.0/80

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:25.5/21

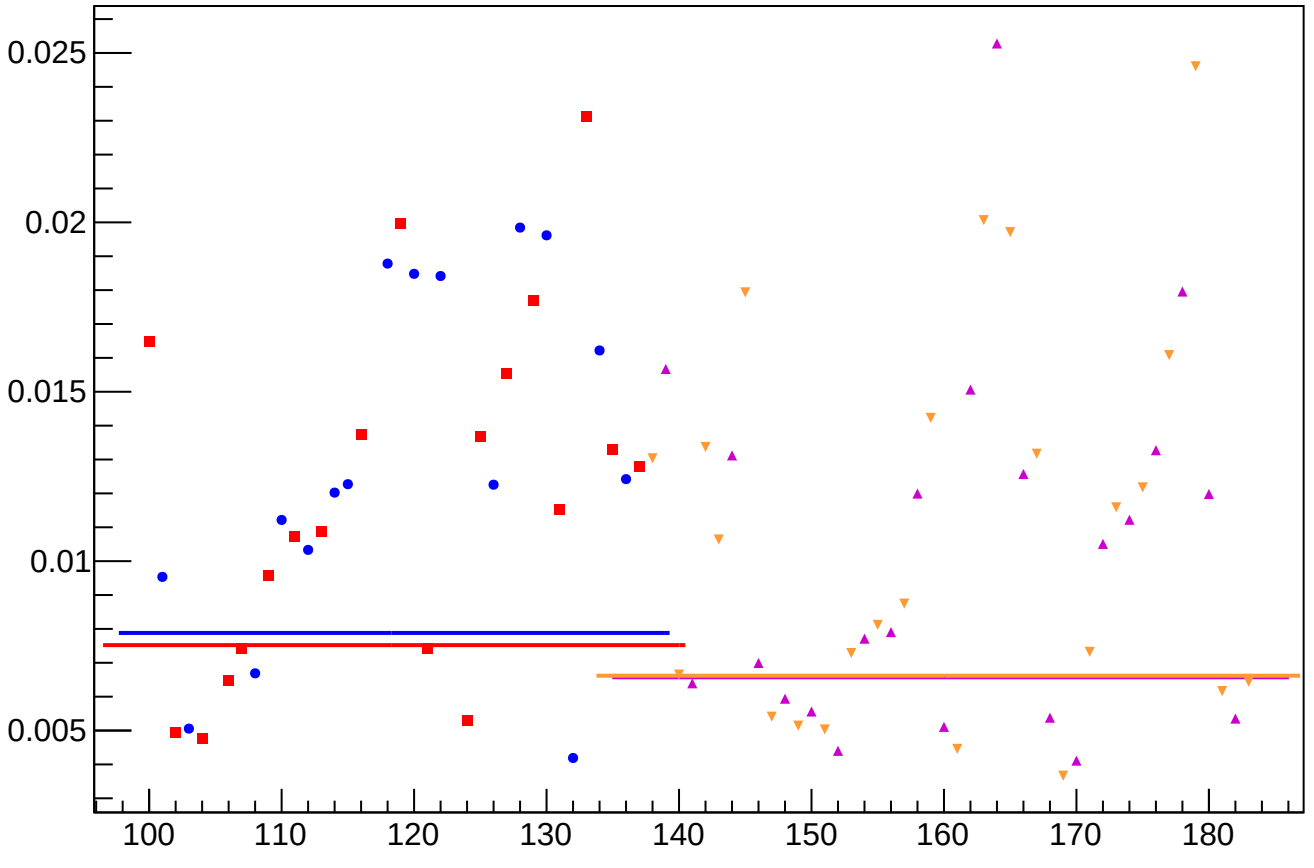
Left: -0.000+/-0.000 χ^2/NDF: 67.6/45

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:61.8/42

All: -0.000+/-0.000 χ^2/NDF: 103.2/80



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:7424978.4/23

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: 13198130.5/45

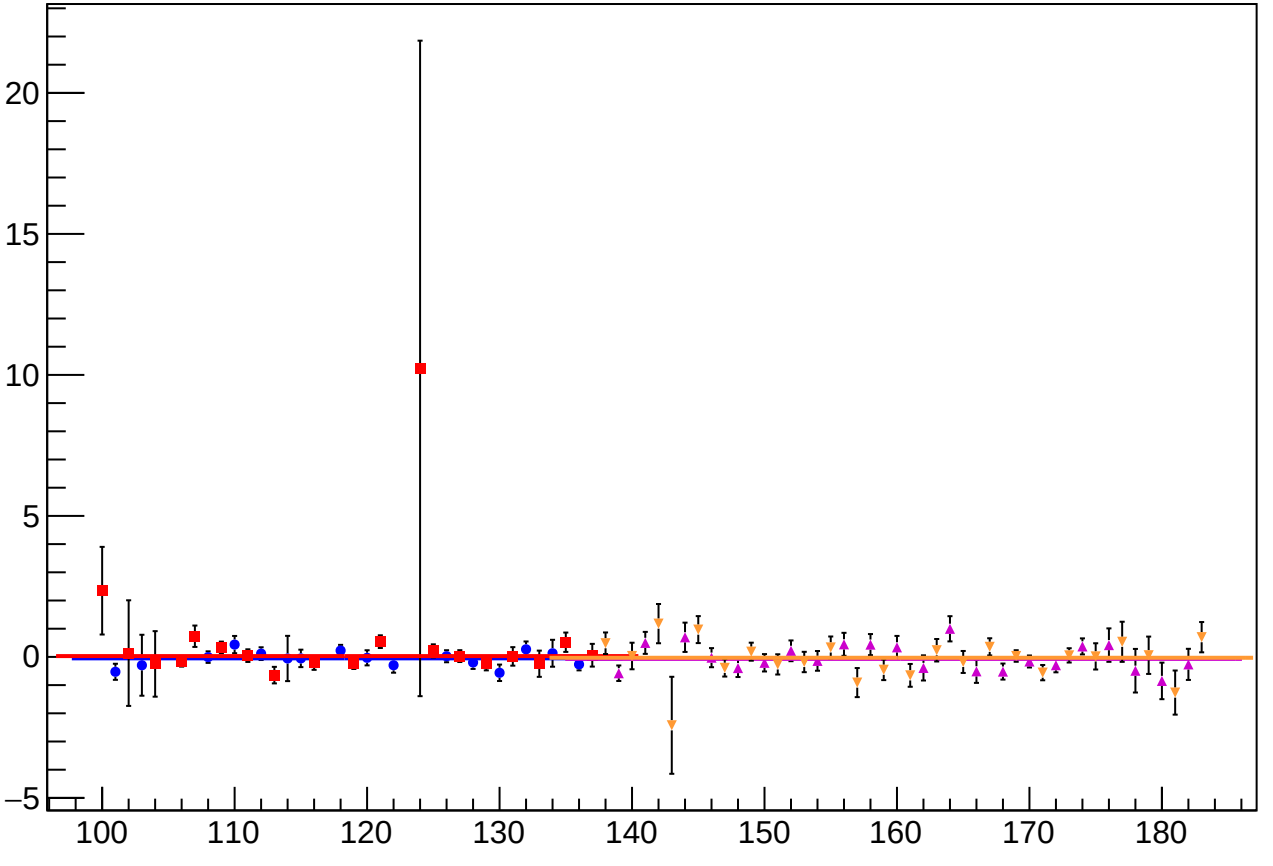
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:9306610.8/37

Out: 0.007+/-0.000 χ^2/NDF:10526860.5/42

All: 0.007+/-0.000 χ^2/NDF: 19833691.6/80

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: -0.031+/-0.077 χ^2/NDF:32.3/23

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: -0.051+/-0.054 χ^2/NDF: 62.3/45

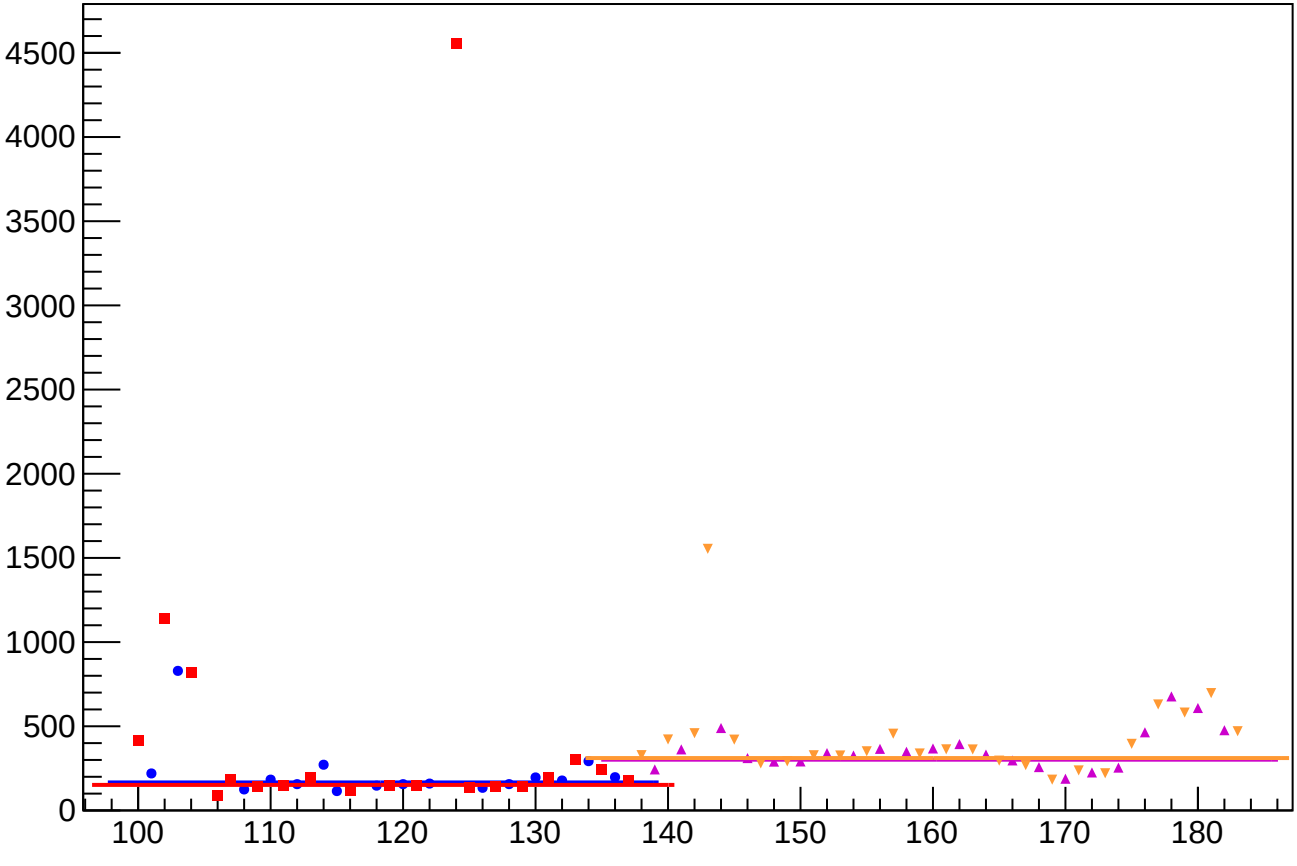
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.050 χ^2/NDF:44.8/37

Out: 0.005+/-0.049 χ^2/NDF:60.2/42

All: -0.027+/-0.035 χ^2/NDF: 105.8/80

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: 311.205+/-0.054 χ^2/NDF:4331583.2/23

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: 306.302+/-0.038 χ^2/NDF: 7139641.4/45

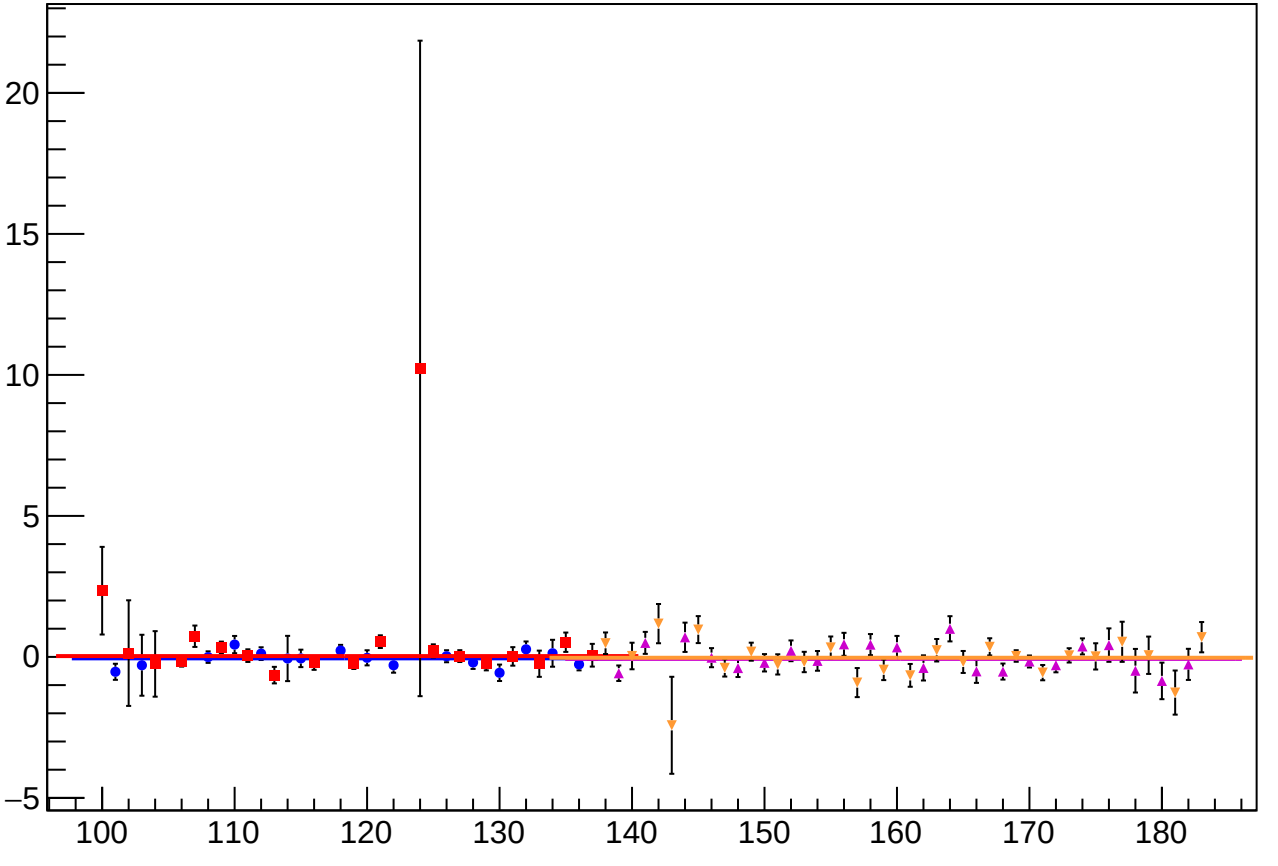
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 225.799+/-0.035 χ^2/NDF:7686116.7/37

Out: 216.881+/-0.035 χ^2/NDF:11710421.5/42

All: 221.276+/-0.025 χ^2/NDF: 19428859.0/80

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: -0.031+/-0.077 χ^2/NDF:32.3/23

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: -0.051+/-0.054 χ^2/NDF: 62.3/45

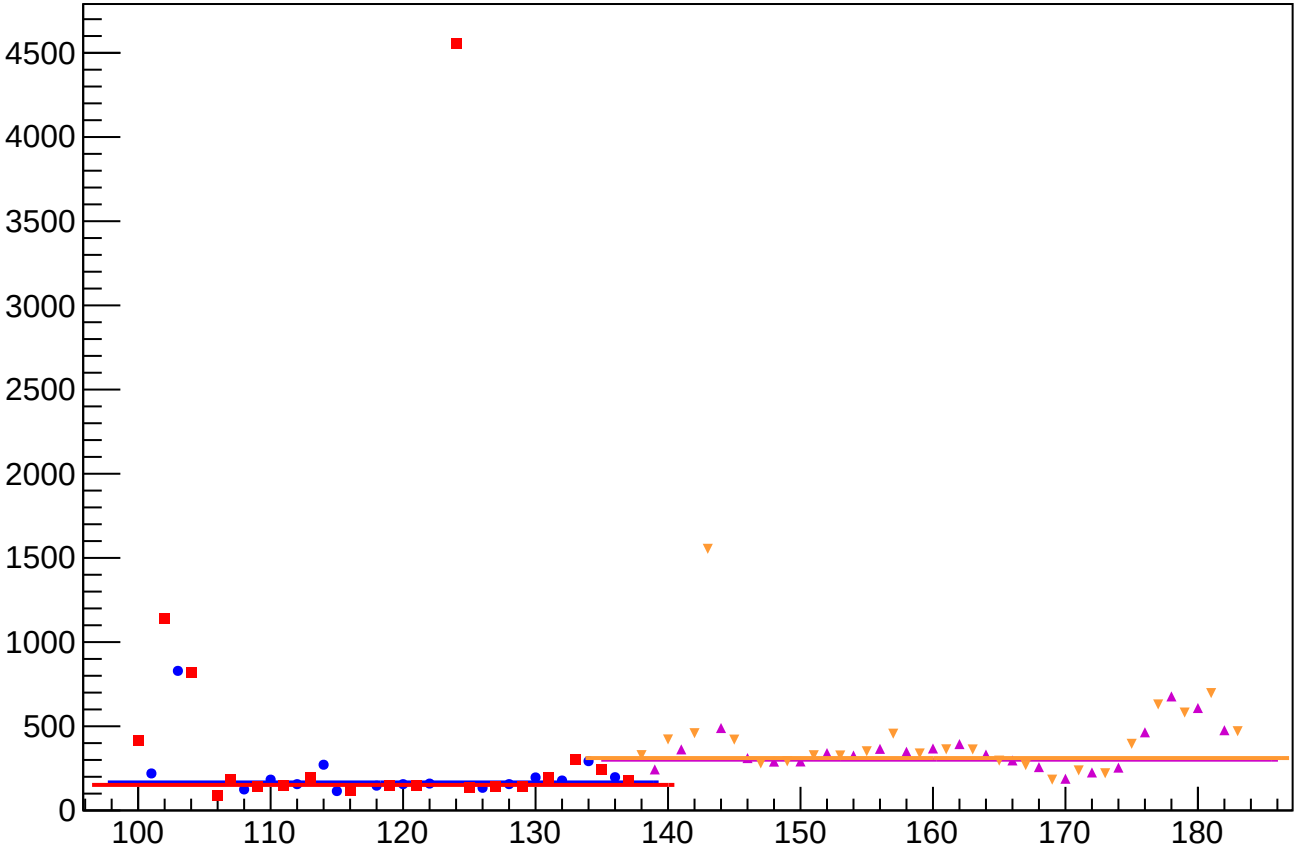
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.050 χ^2/NDF:44.8/37

Out: 0.005+/-0.049 χ^2/NDF:60.2/42

All: -0.027+/-0.035 χ^2/NDF: 105.8/80

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: 311.205+/-0.054 χ^2/NDF:4331583.2/23

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: 306.302+/-0.038 χ^2/NDF: 7139641.4/45

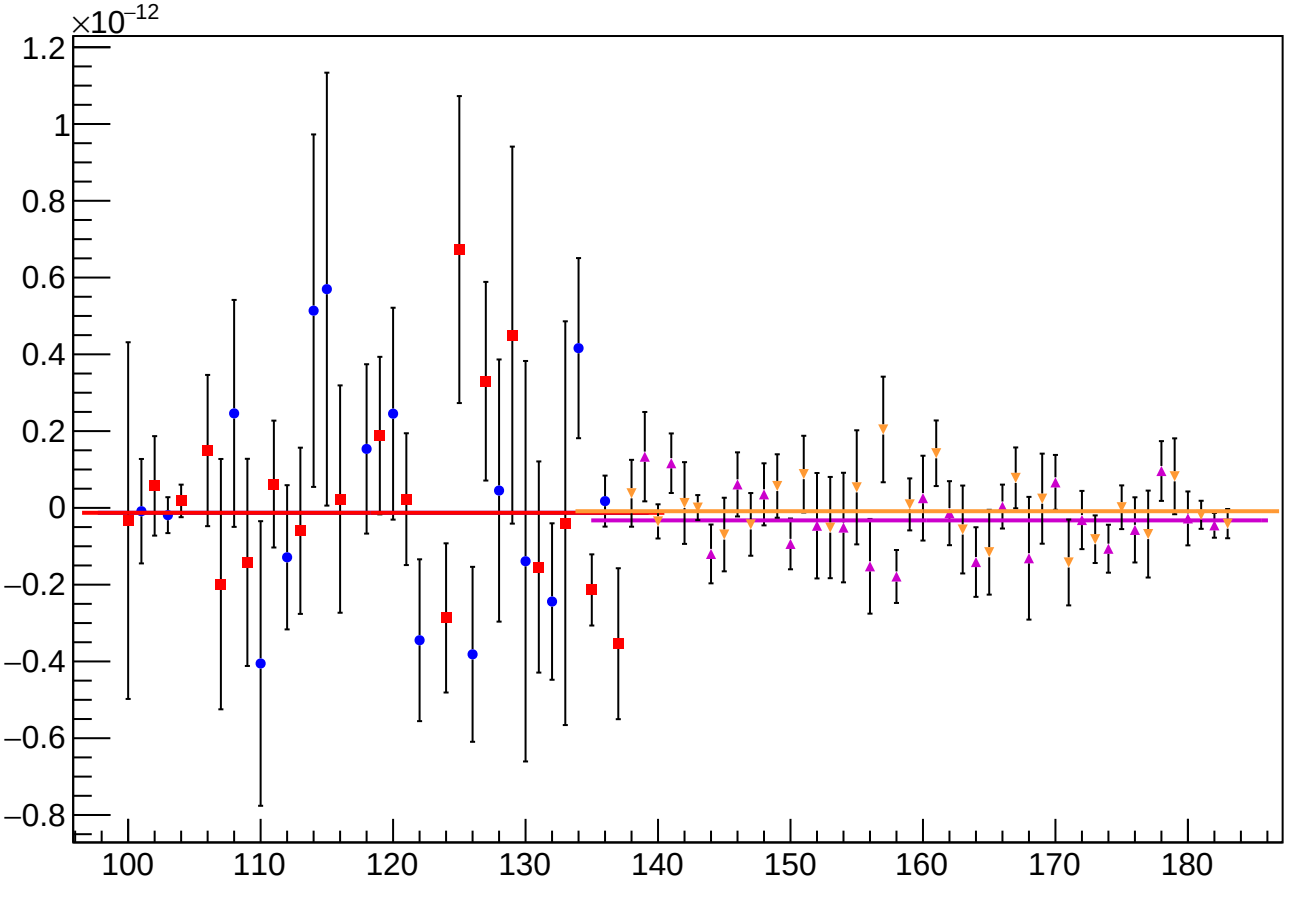
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 225.799+/-0.035 χ^2/NDF:7686116.7/37

Out: 216.881+/-0.035 χ^2/NDF:11710421.5/42

All: 221.276+/-0.025 χ^2/NDF: 19428859.0/80

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:15.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:24.1/21

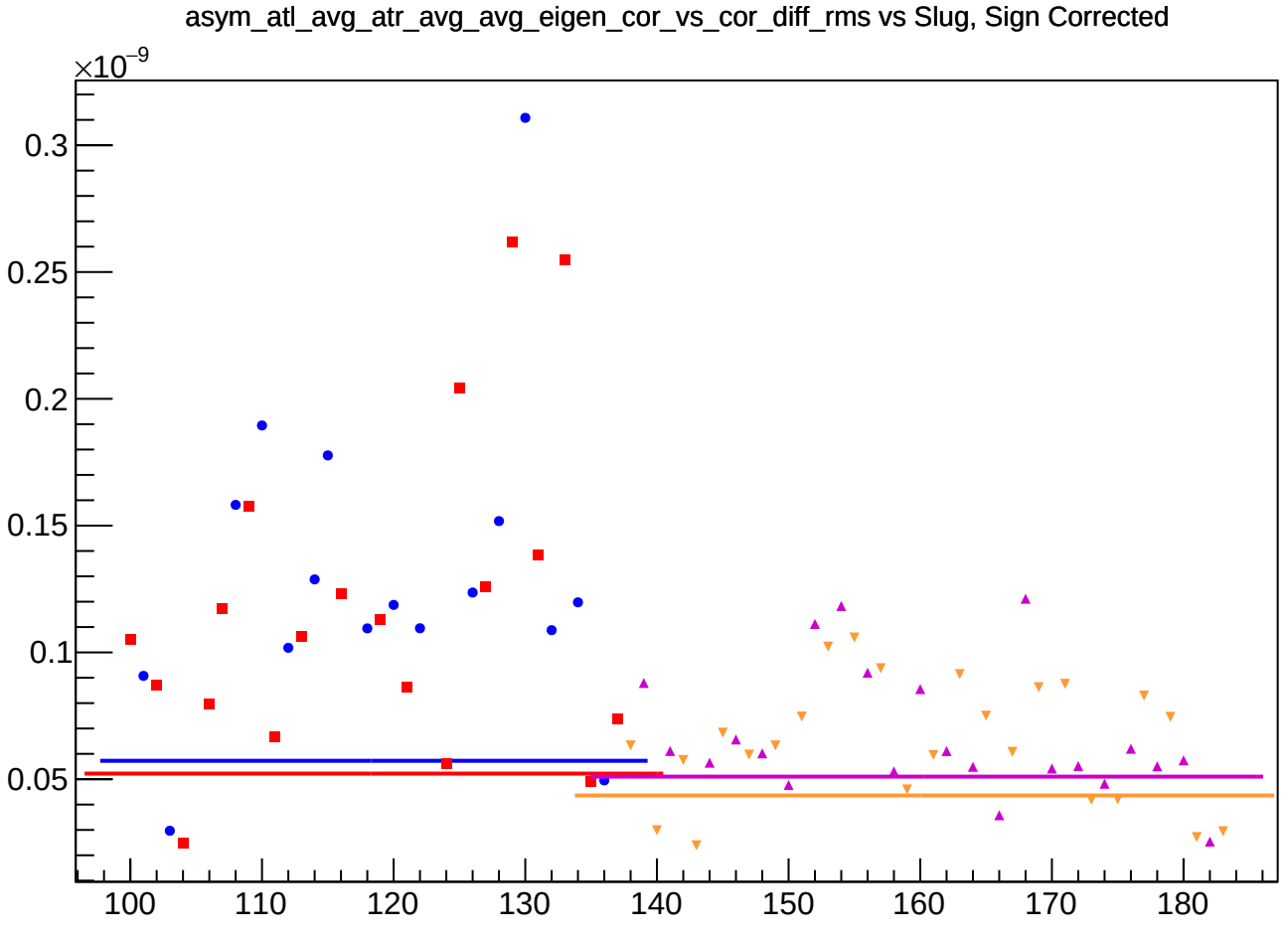
Left: -0.000+/-0.000 χ^2/NDF: 41.4/45

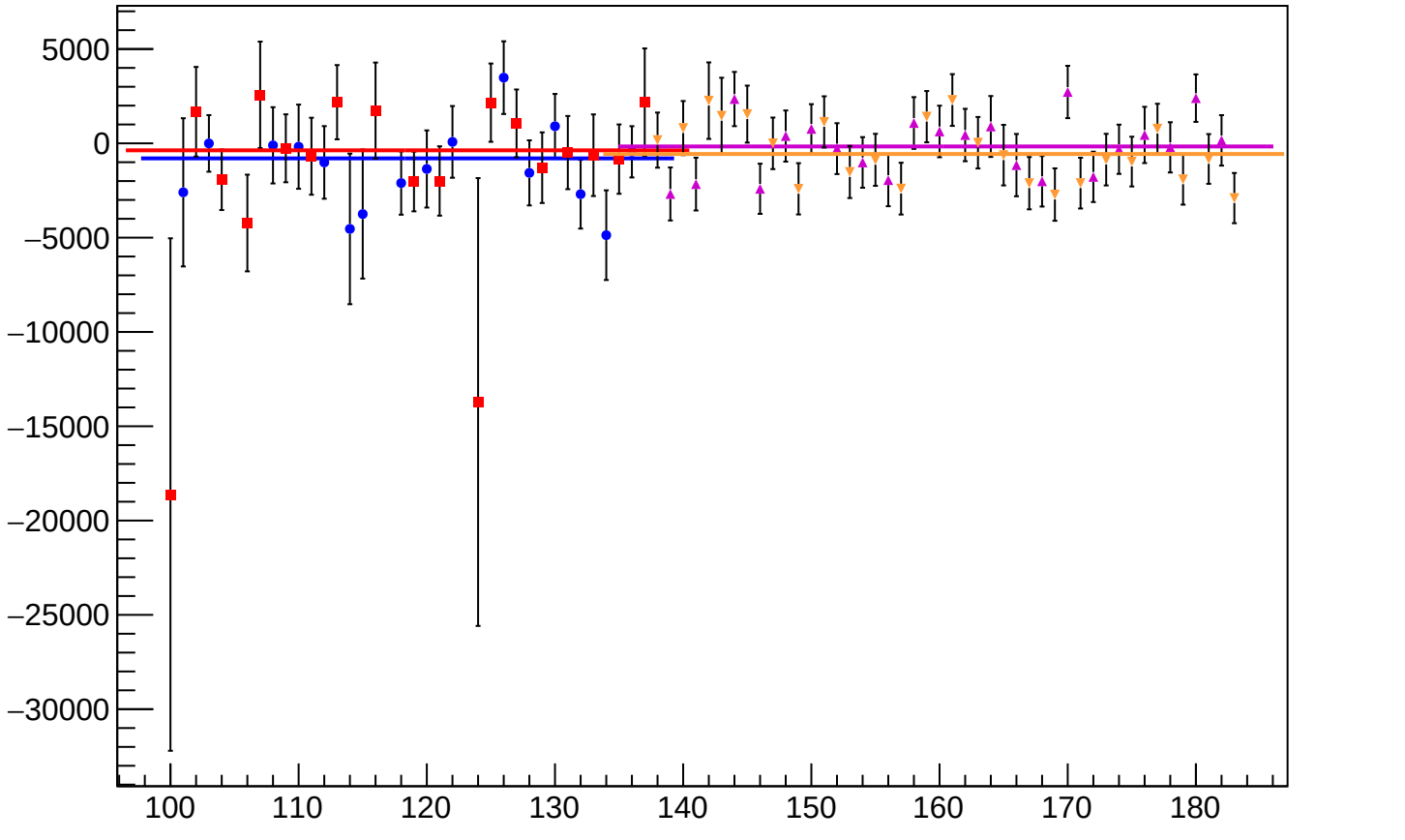
Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:40.6/37

Out: -0.000+/-0.000 χ^2/NDF:34.8/42

All: -0.000+/-0.000 χ^2/NDF: 76.4/80


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 2983121.7/15
Left Out: 0.000+/-0.000 χ²/NDF:4957914.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 3287828.4/18
Left In: 0.000+/-0.000 χ²/NDF:3480590.4/21
Left: 0.000+/-0.000 χ²/NDF: 8694193.4/45
Right: 0.000+/-0.000 χ²/NDF: 6295515.7/34
In: 0.000+/-0.000 χ²/NDF:6522456.0/37
Out: 0.000+/-0.000 χ²/NDF:8371637.7/42
All: 0.000+/-0.000 χ²/NDF: 15184955.3/80



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -565.016+/-288.147 χ^2/NDF:28.9/23

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -164.744+/-293.807 χ^2/NDF:28.1/21

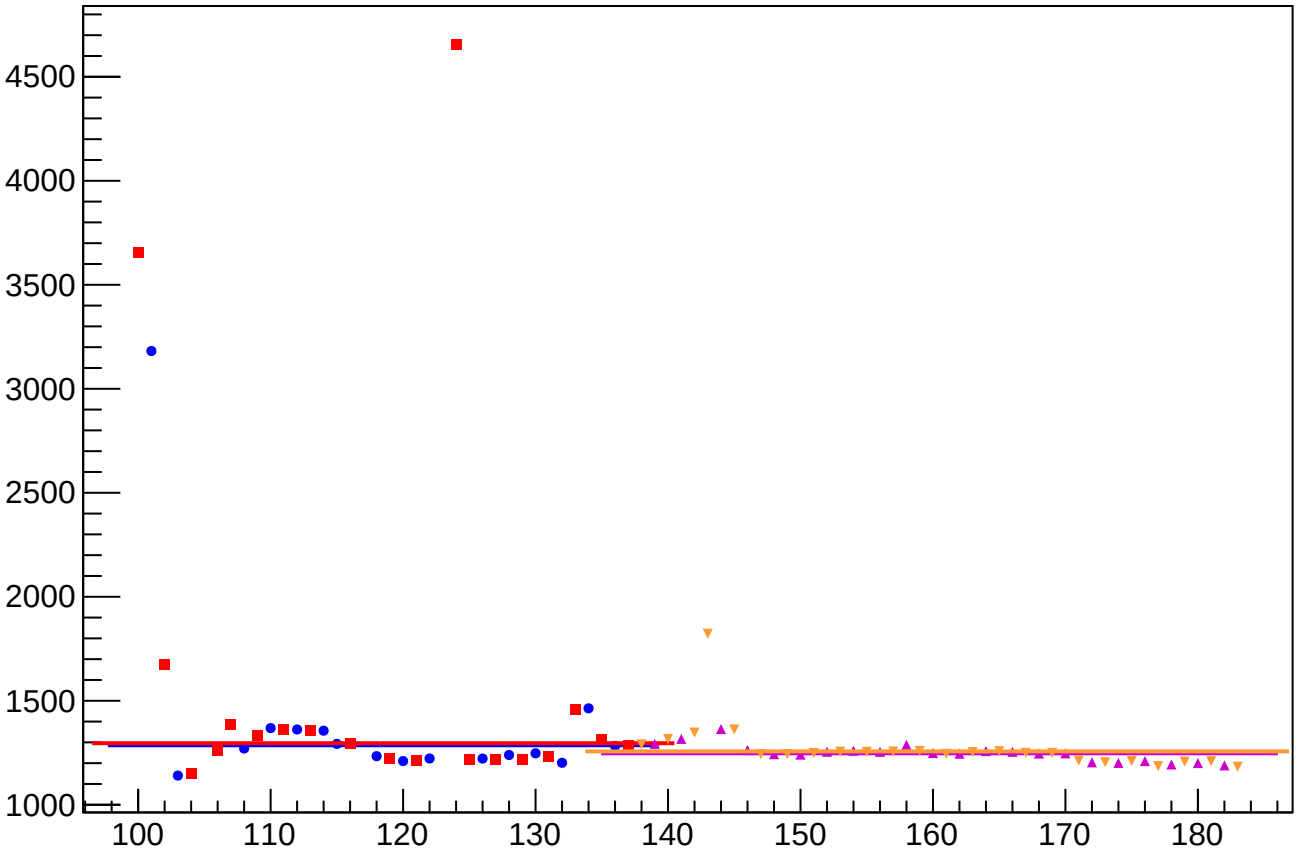
Left: -368.773+/-205.722 χ^2/NDF: 58.0/45

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -333.305+/-251.633 χ^2/NDF:42.8/37

Out: -514.269+/-247.834 χ^2/NDF:44.6/42

All: -425.163+/-176.573 χ^2/NDF: 87.6/80



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1256.678+/-0.204 χ^2/NDF:200980.3/23

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: 1252.140+/-0.145 χ^2/NDF: 240371.9/45

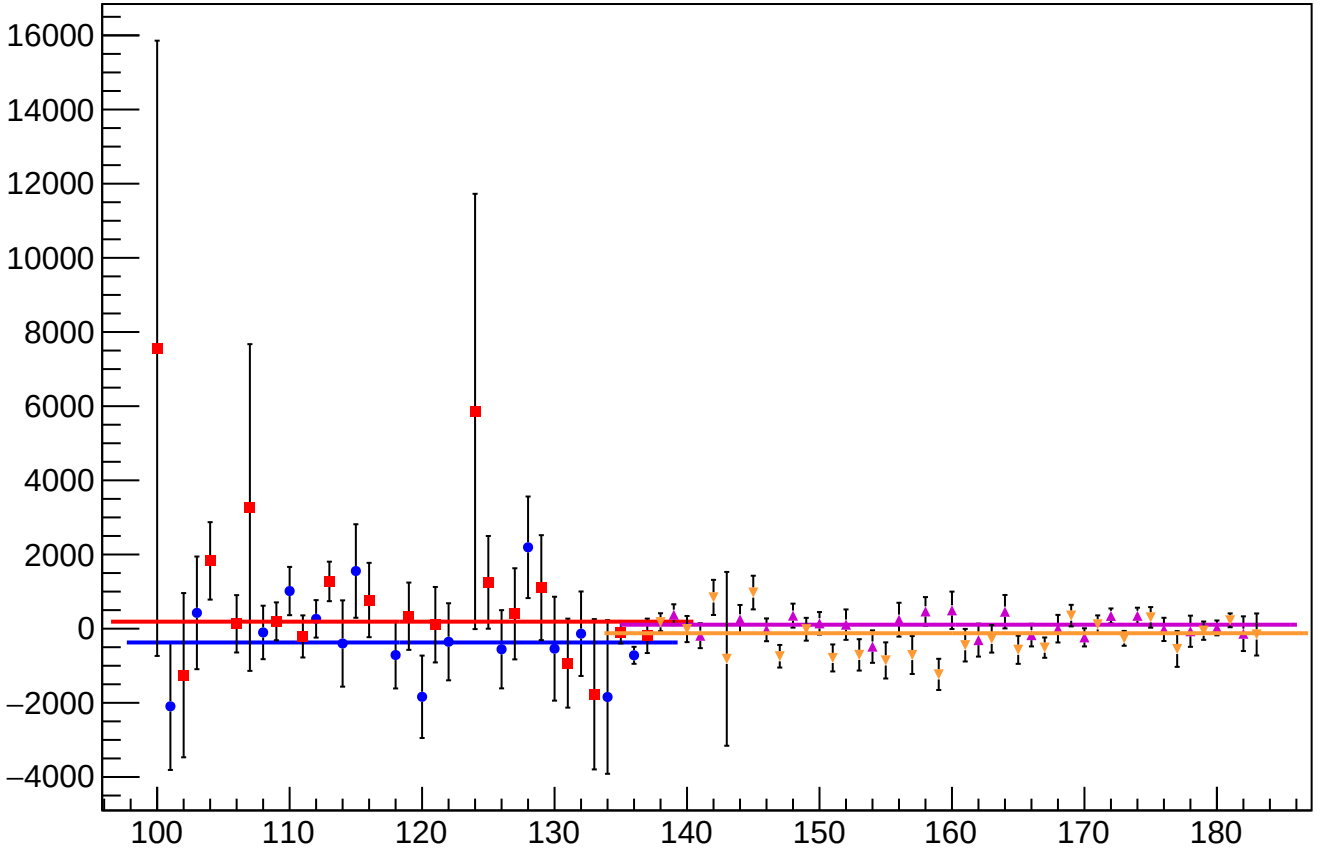
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1257.729+/-0.178 χ^2/NDF:565741.6/37

Out: 1266.896+/-0.175 χ^2/NDF:538714.5/42

All: 1262.382+/-0.125 χ^2/NDF: 1105803.6/80

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -122.930+/-65.215 χ^2/NDF:46.7/23

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: -11.445+/-46.799 χ^2/NDF: 66.5/45

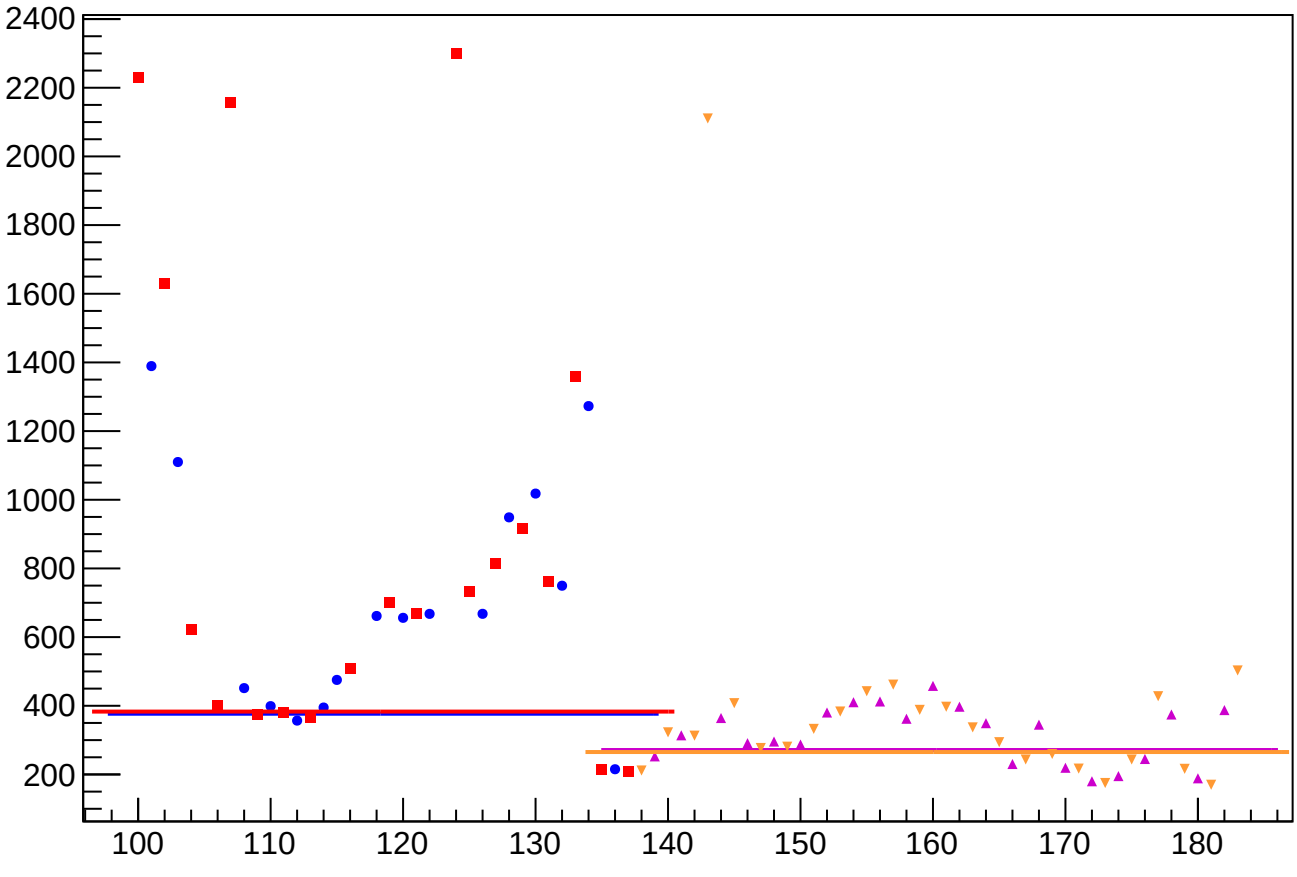
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 40.961+/-62.403 χ^2/NDF:38.9/37

Out: -82.746+/-60.869 χ^2/NDF:64.3/42

All: -22.432+/-43.573 χ^2/NDF: 105.2/80

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: 265.304+/-0.046 χ^2/NDF:4528427.3/23

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 271.167+/-0.048 χ^2/NDF:2778914.3/21

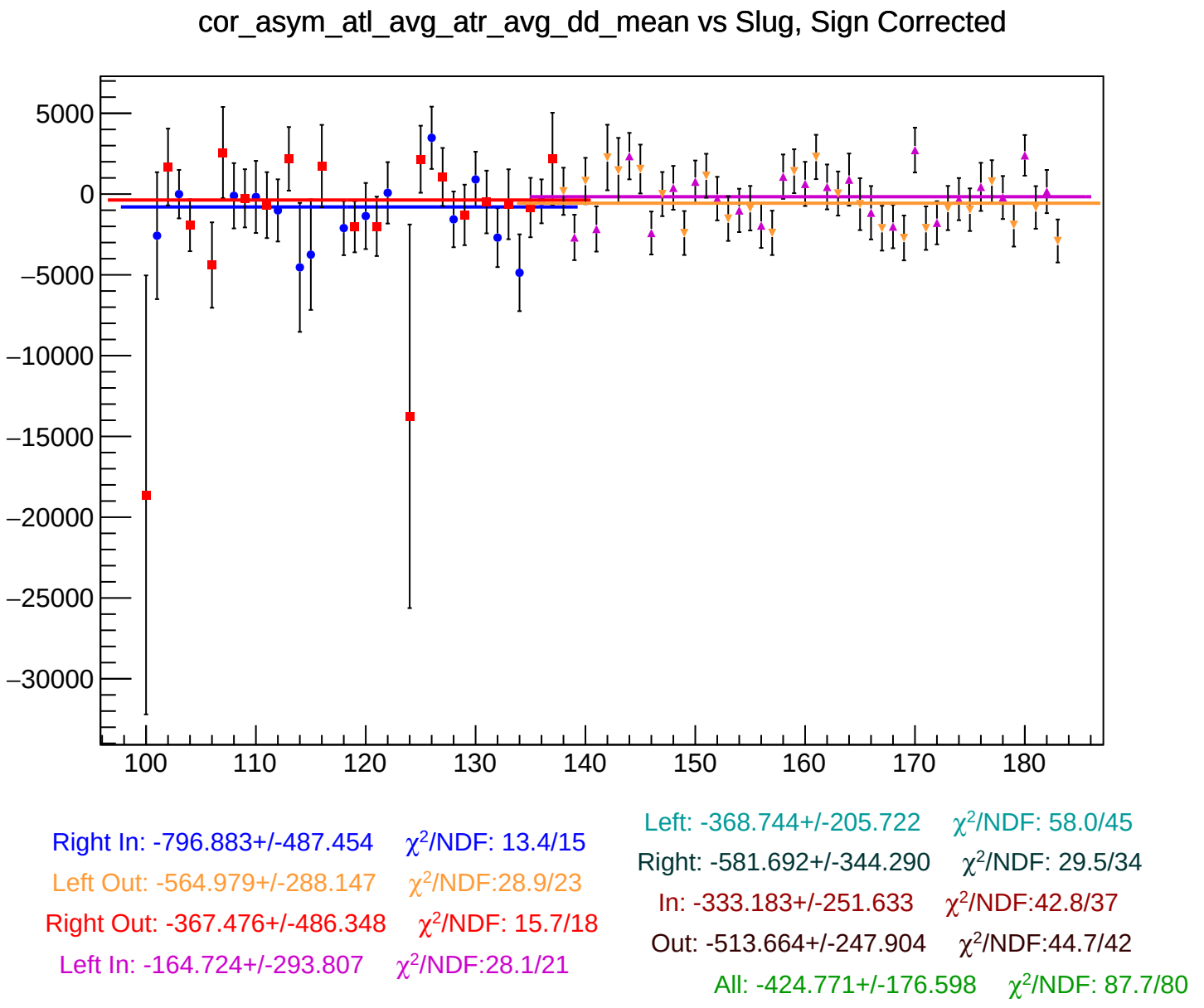
Left: 268.147+/-0.033 χ^2/NDF: 7315181.4/45

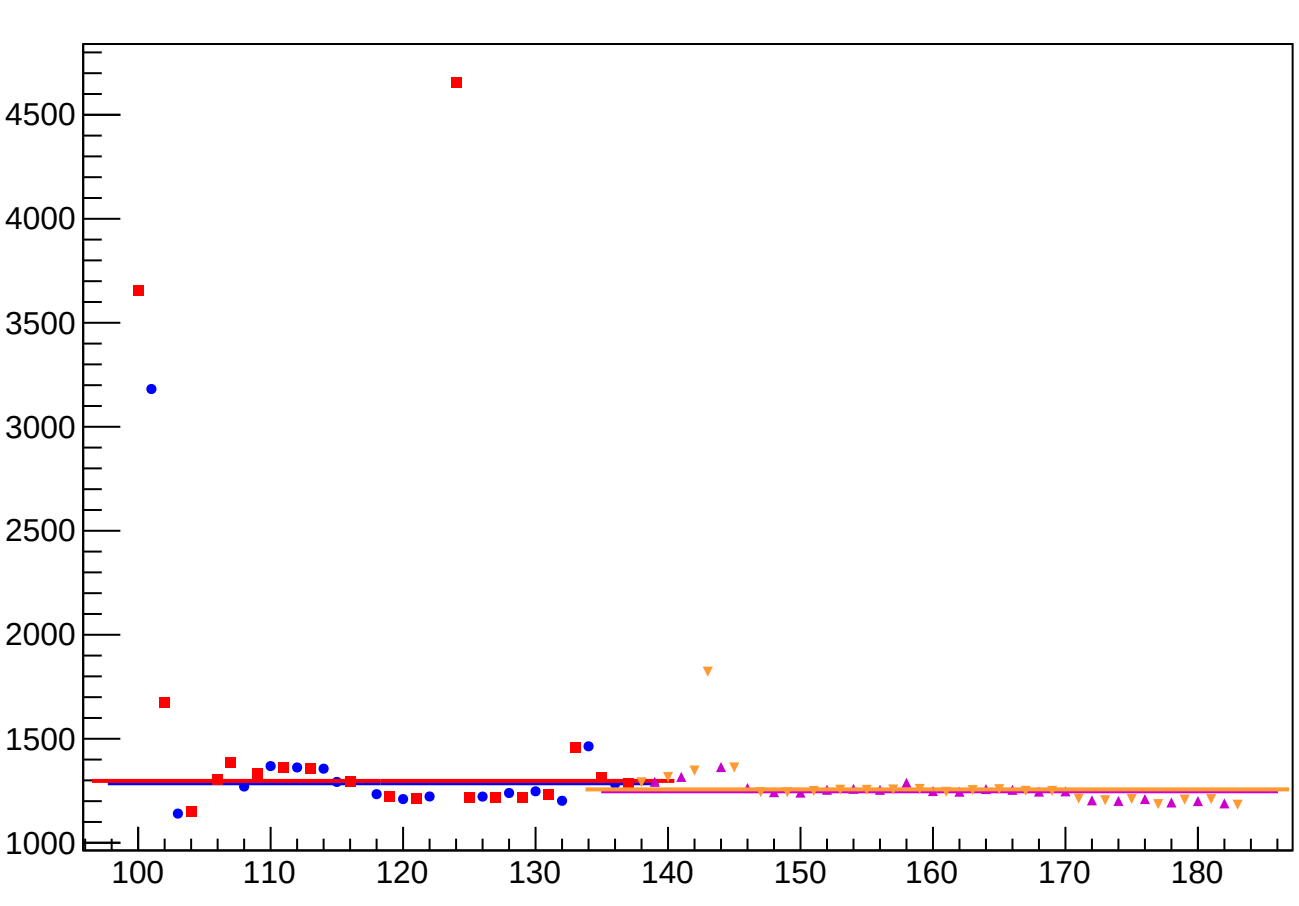
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 285.718+/-0.044 χ^2/NDF:7650525.2/37

Out: 280.478+/-0.043 χ^2/NDF:9422916.3/42

All: 283.033+/-0.031 χ^2/NDF: 17080669.6/80


cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -564.979+/-288.147 χ²/NDF:28.9/23
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -164.724+/-293.807 χ²/NDF:28.1/21
Left: -368.744+/-205.722 χ²/NDF: 58.0/45
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -333.183+/-251.633 χ²/NDF:42.8/37
Out: -513.664+/-247.904 χ²/NDF:44.7/42
All: -424.771+/-176.598 χ²/NDF: 87.7/80



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1256.678+/-0.204 χ^2/NDF:200980.3/23

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: 1252.140+/-0.145 χ^2/NDF: 240371.9/45

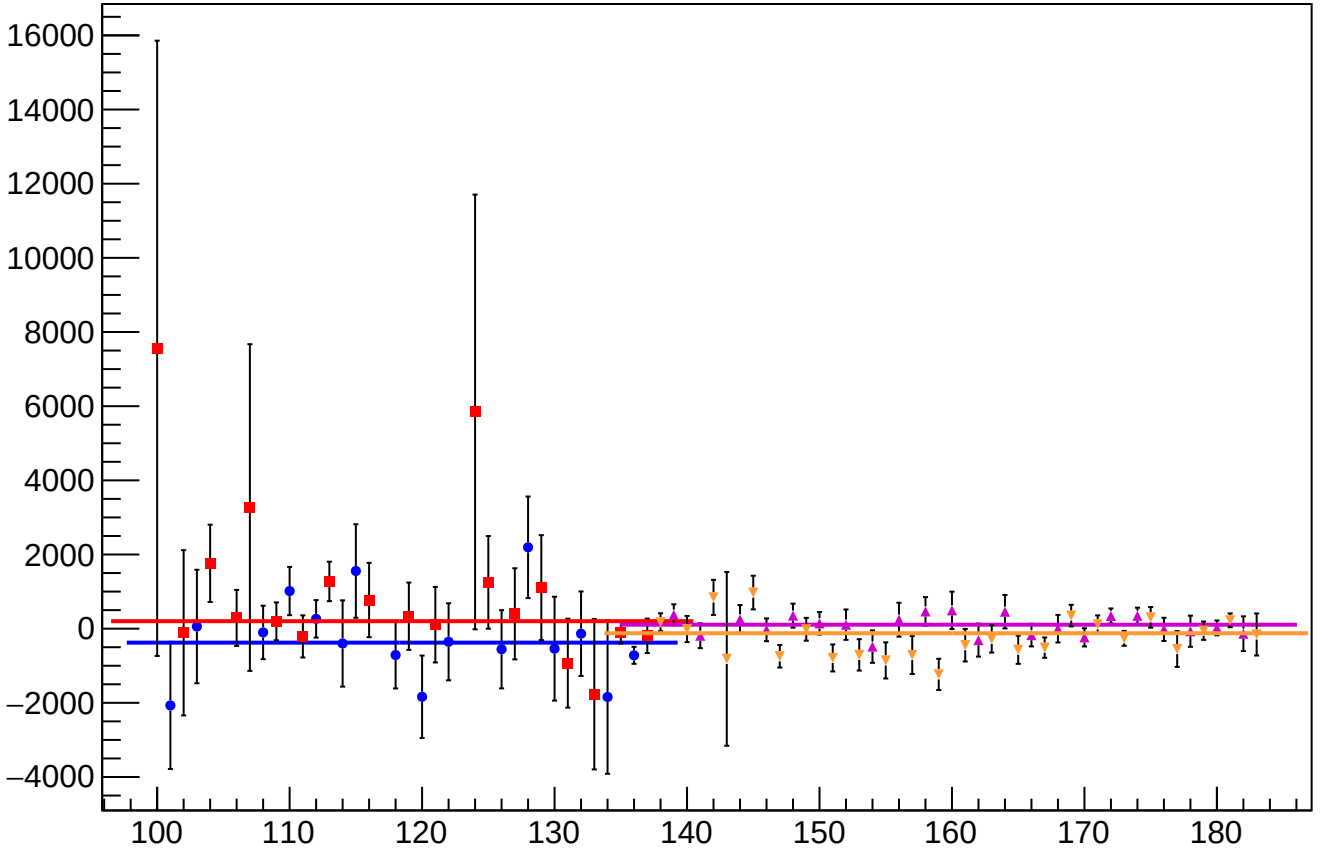
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1257.729+/-0.178 χ^2/NDF:565743.0/37

Out: 1267.257+/-0.175 χ^2/NDF:539097.2/42

All: 1262.564+/-0.125 χ^2/NDF: 1106295.4/80

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: -122.907+/-65.216 χ^2/NDF:46.7/23

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: -11.379+/-46.801 χ^2/NDF: 66.5/45

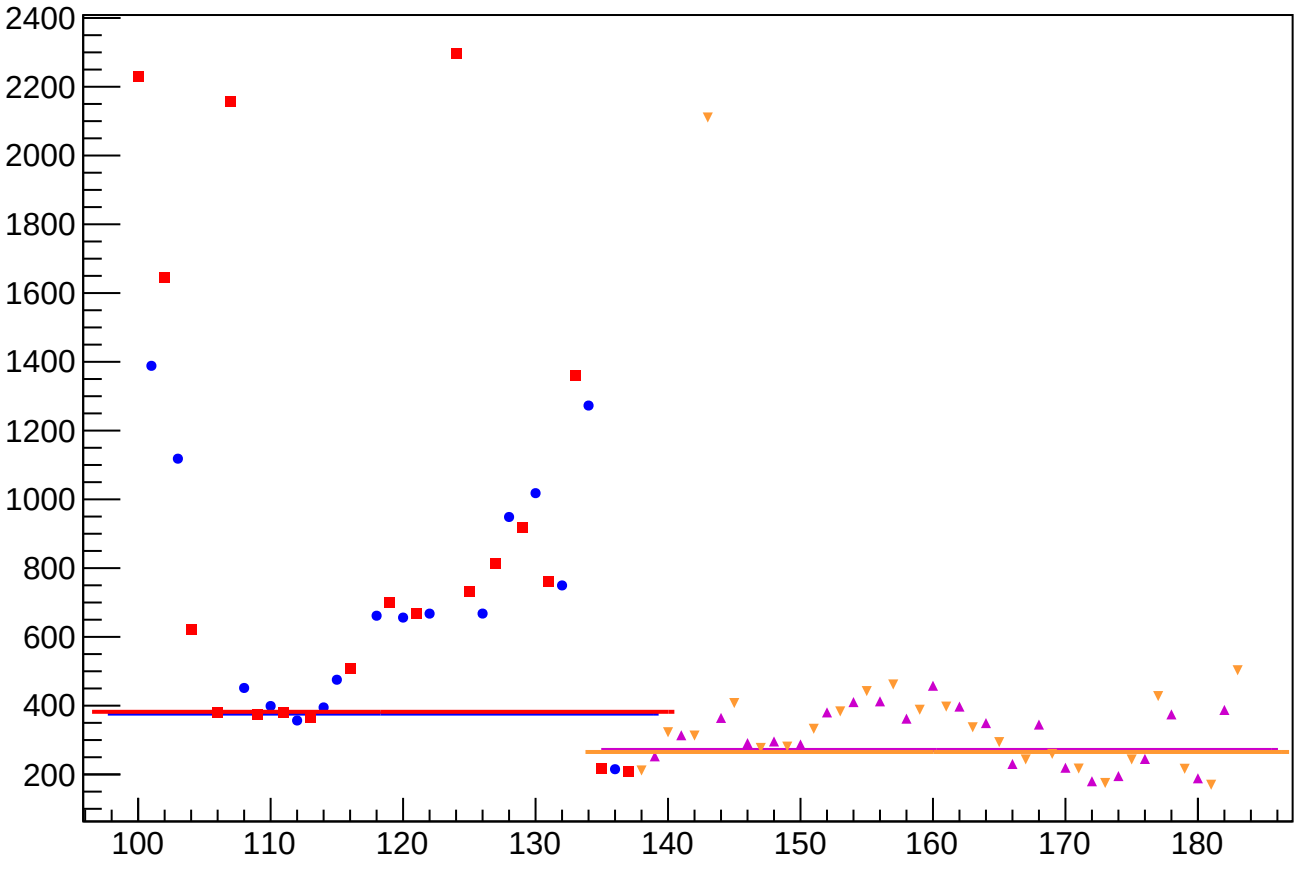
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 40.457+/-62.405 χ^2/NDF:38.8/37

Out: -80.939+/-60.861 χ^2/NDF:64.0/42

All: -21.762+/-43.571 χ^2/NDF: 104.7/80

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: 265.309+/-0.046 χ^2/NDF:4528444.6/23

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 271.176+/-0.048 χ^2/NDF:2778687.6/21

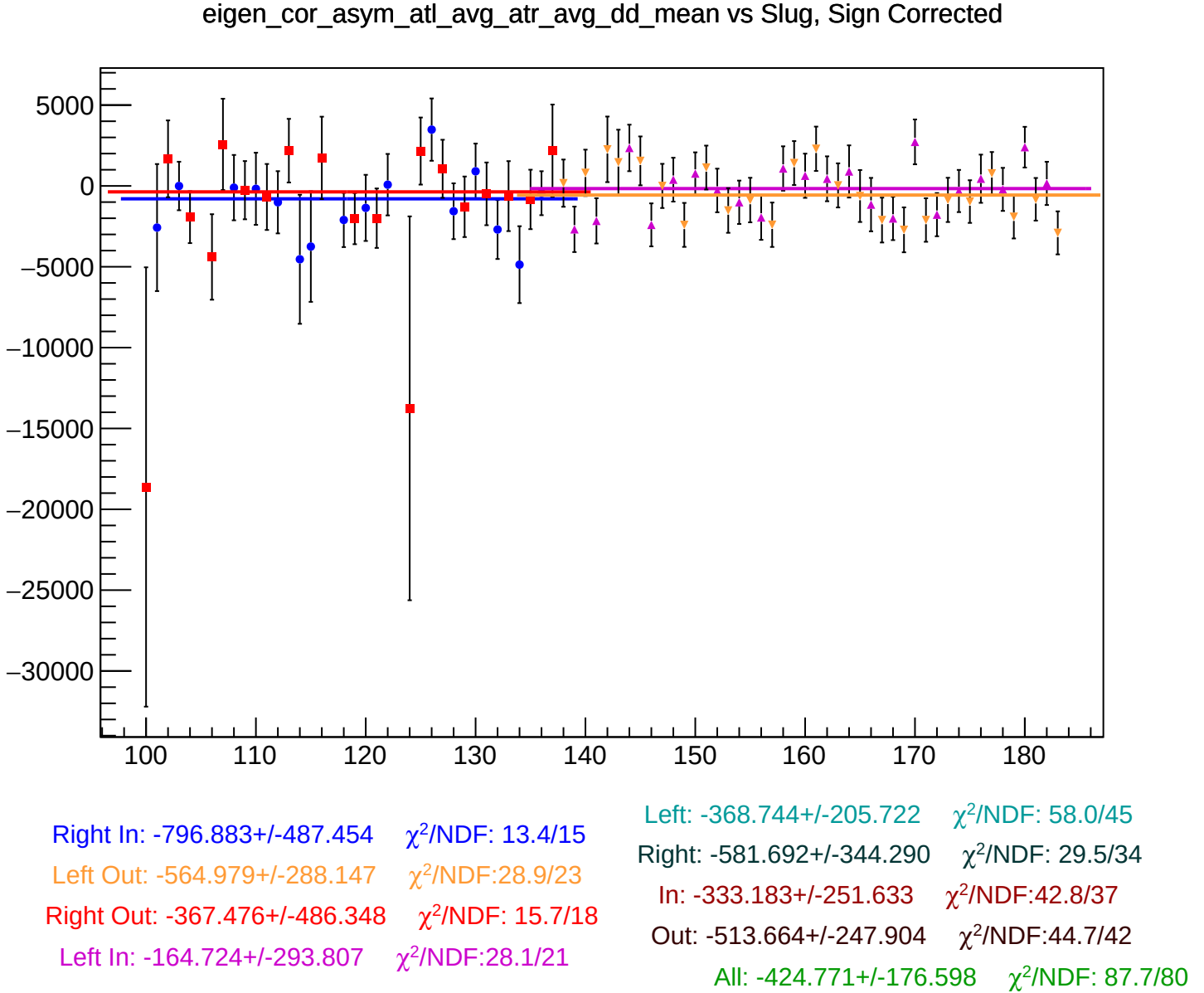
Left: 268.155+/-0.033 χ^2/NDF: 7314982.8/45

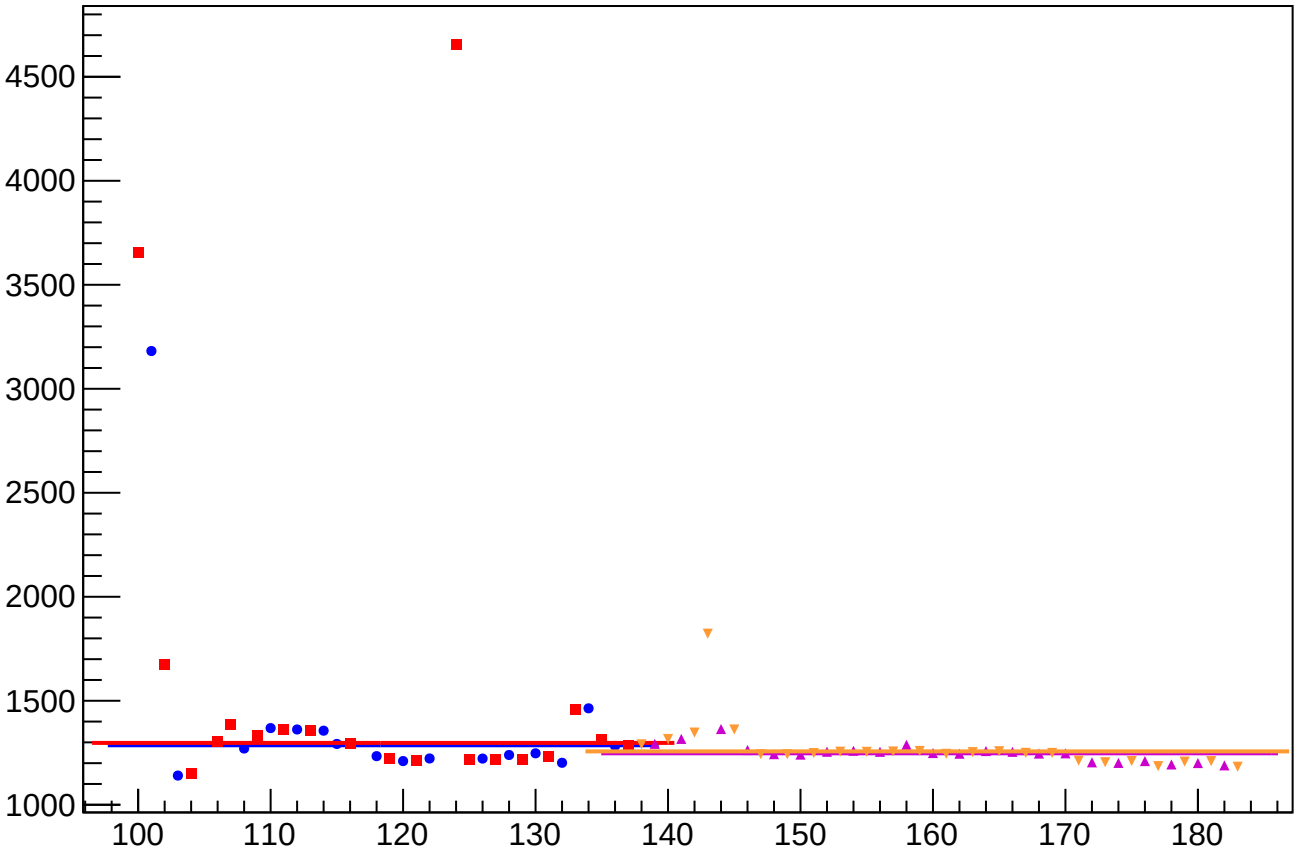
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 285.723+/-0.044 χ^2/NDF:7653052.5/37

Out: 280.393+/-0.043 χ^2/NDF:9416684.1/42

All: 282.991+/-0.031 χ^2/NDF: 17077215.1/80


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -564.979+/-288.147 χ²/NDF:28.9/23
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -164.724+/-293.807 χ²/NDF:28.1/21
Left: -368.744+/-205.722 χ²/NDF: 58.0/45
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -333.183+/-251.633 χ²/NDF:42.8/37
Out: -513.664+/-247.904 χ²/NDF:44.7/42
All: -424.771+/-176.598 χ²/NDF: 87.7/80



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1256.678+/-0.204 χ^2/NDF:200980.3/23

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: 1252.140+/-0.145 χ^2/NDF: 240371.9/45

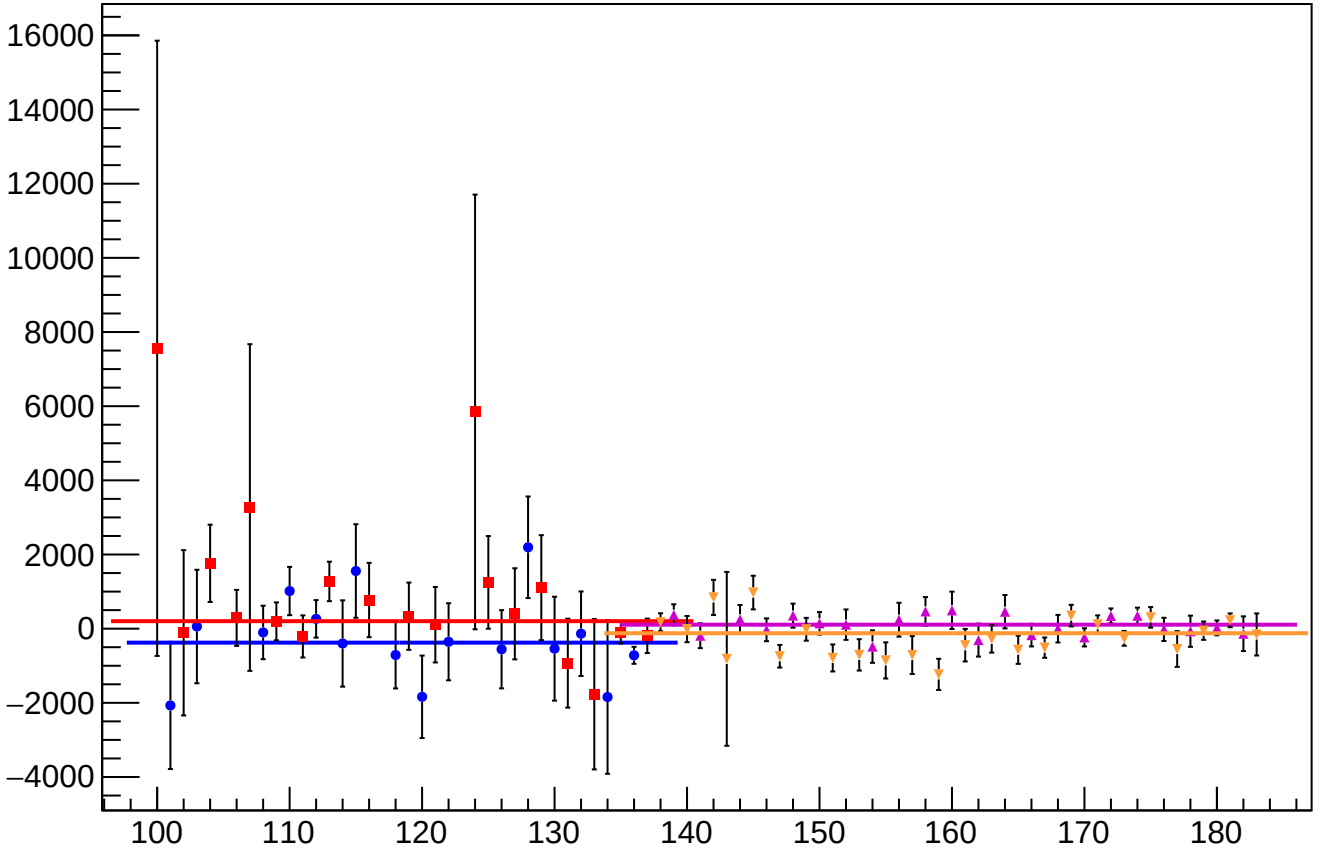
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1257.729+/-0.178 χ^2/NDF:565743.0/37

Out: 1267.257+/-0.175 χ^2/NDF:539097.2/42

All: 1262.564+/-0.125 χ^2/NDF: 1106295.4/80

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: -122.907+/-65.216 χ^2/NDF:46.7/23

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: -11.379+/-46.801 χ^2/NDF: 66.5/45

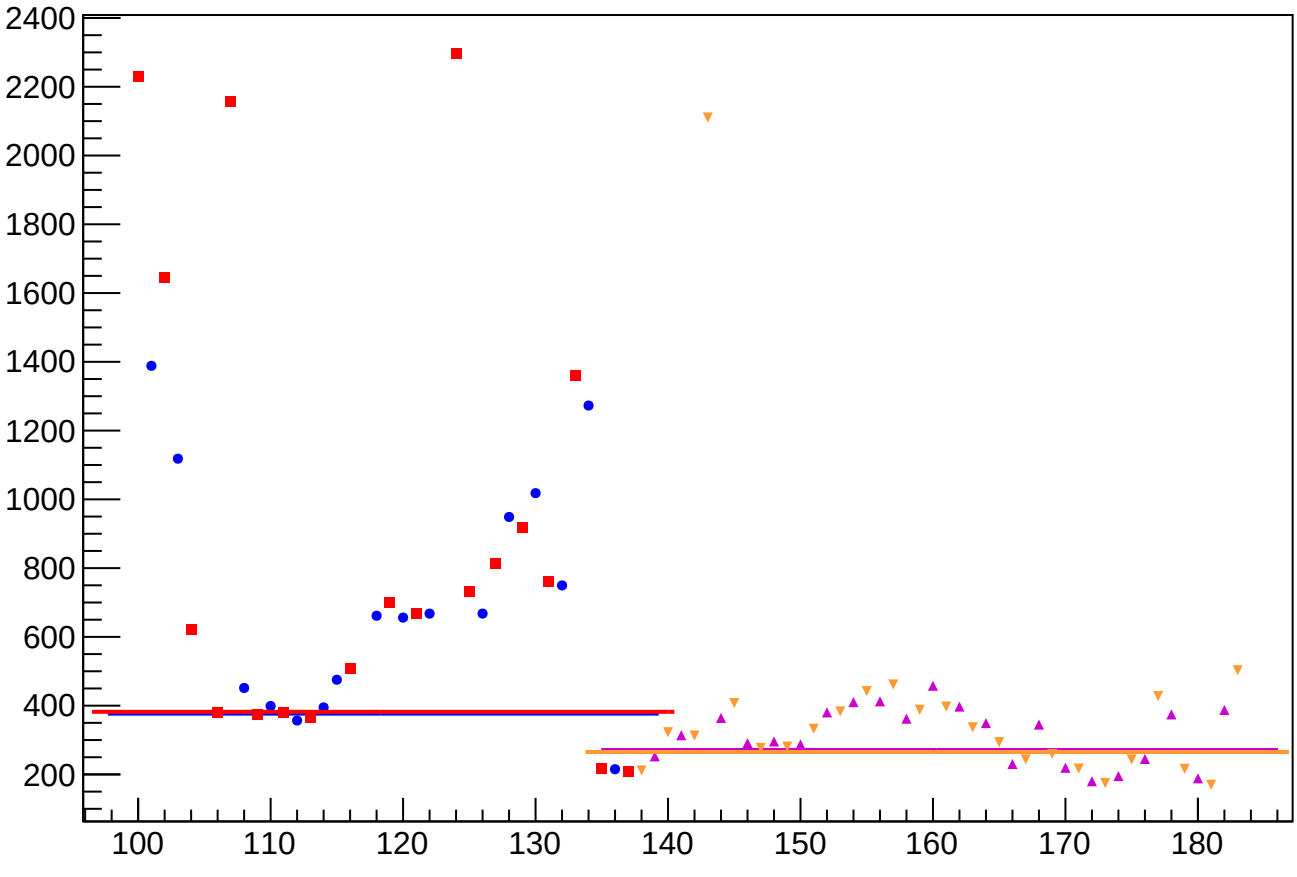
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 40.457+/-62.405 χ^2/NDF:38.8/37

Out: -80.939+/-60.861 χ^2/NDF:64.0/42

All: -21.762+/-43.571 χ^2/NDF: 104.7/80

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: 265.309+/-0.046 χ^2/NDF:4528444.6/23

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 271.176+/-0.048 χ^2/NDF:2778687.6/21

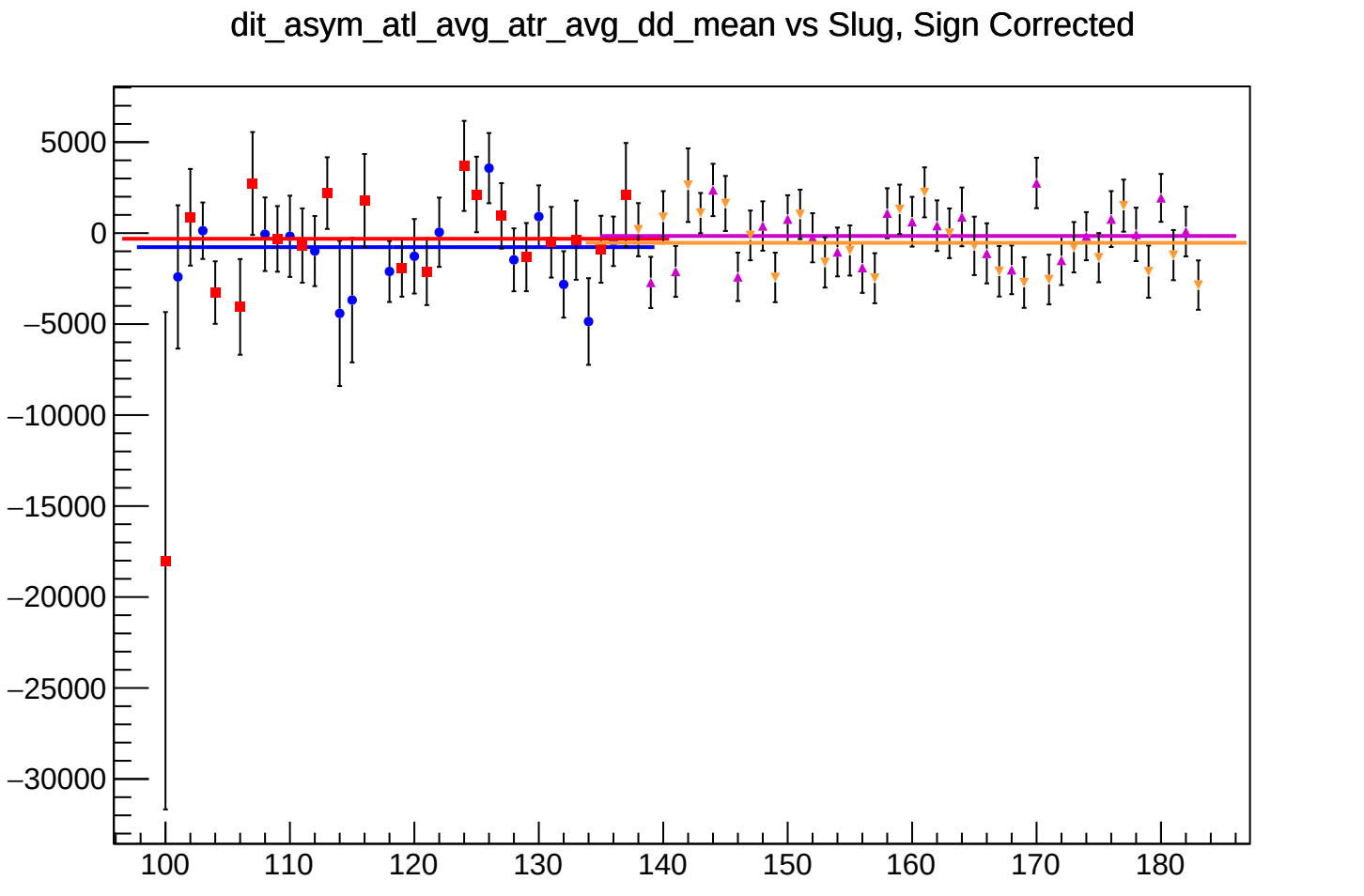
Left: 268.155+/-0.033 χ^2/NDF: 7314982.8/45

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 285.723+/-0.044 χ^2/NDF:7653052.5/37

Out: 280.393+/-0.043 χ^2/NDF:9416684.1/42

All: 282.991+/-0.031 χ^2/NDF: 17077215.1/80



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -534.921+/-284.814 χ^2/NDF:32.8/23

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -157.854+/-296.987 χ^2/NDF:26.2/21

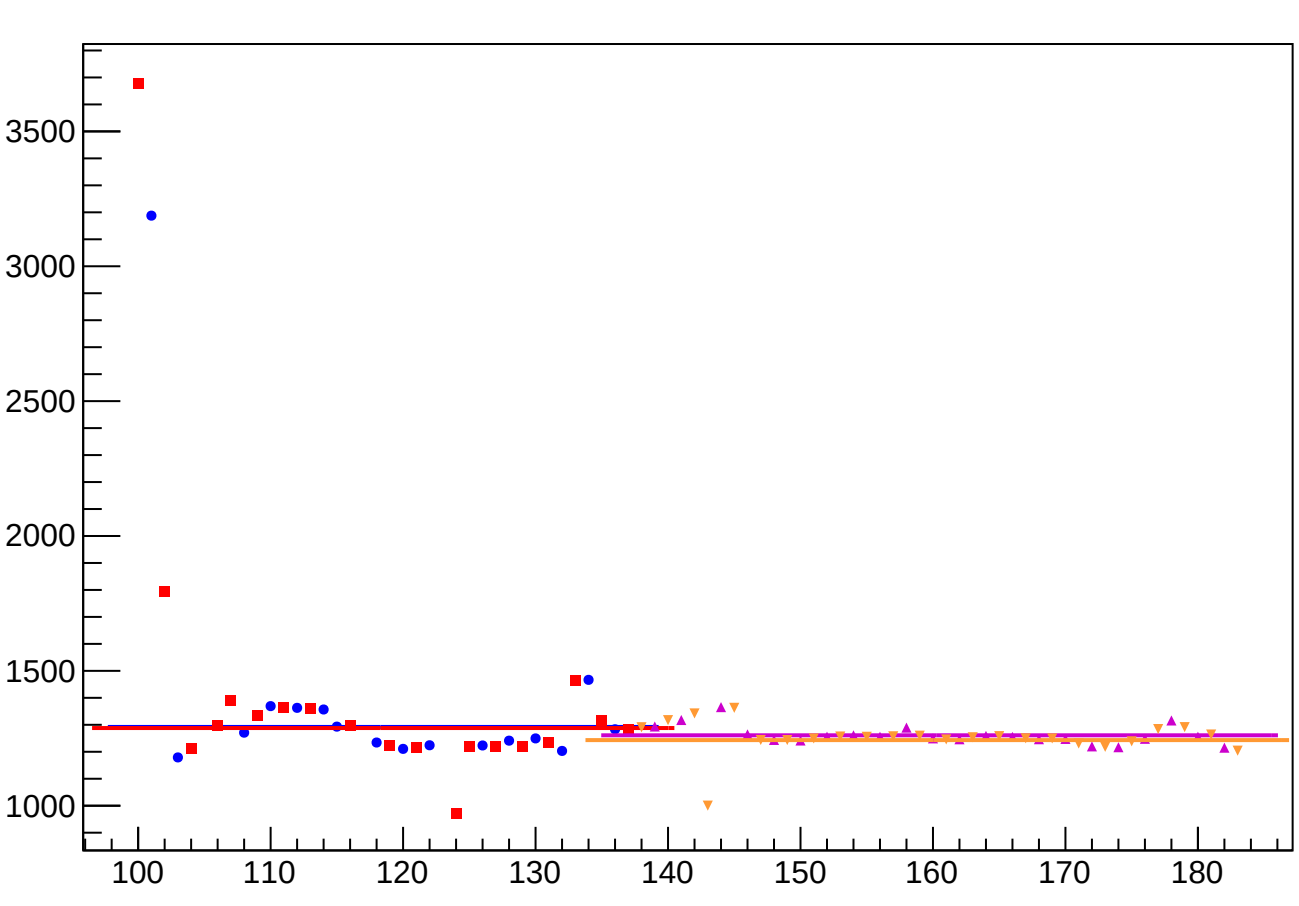
Left: -354.274+/-205.562 χ^2/NDF: 59.8/45

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -322.911+/-253.923 χ^2/NDF:40.9/37

Out: -477.193+/-245.289 χ^2/NDF:50.9/42

All: -402.720+/-176.419 χ^2/NDF: 92.0/80



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1243.257+/-0.201 χ^2/NDF:129149.9/23

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: 1251.795+/-0.145 χ^2/NDF: 159593.3/45

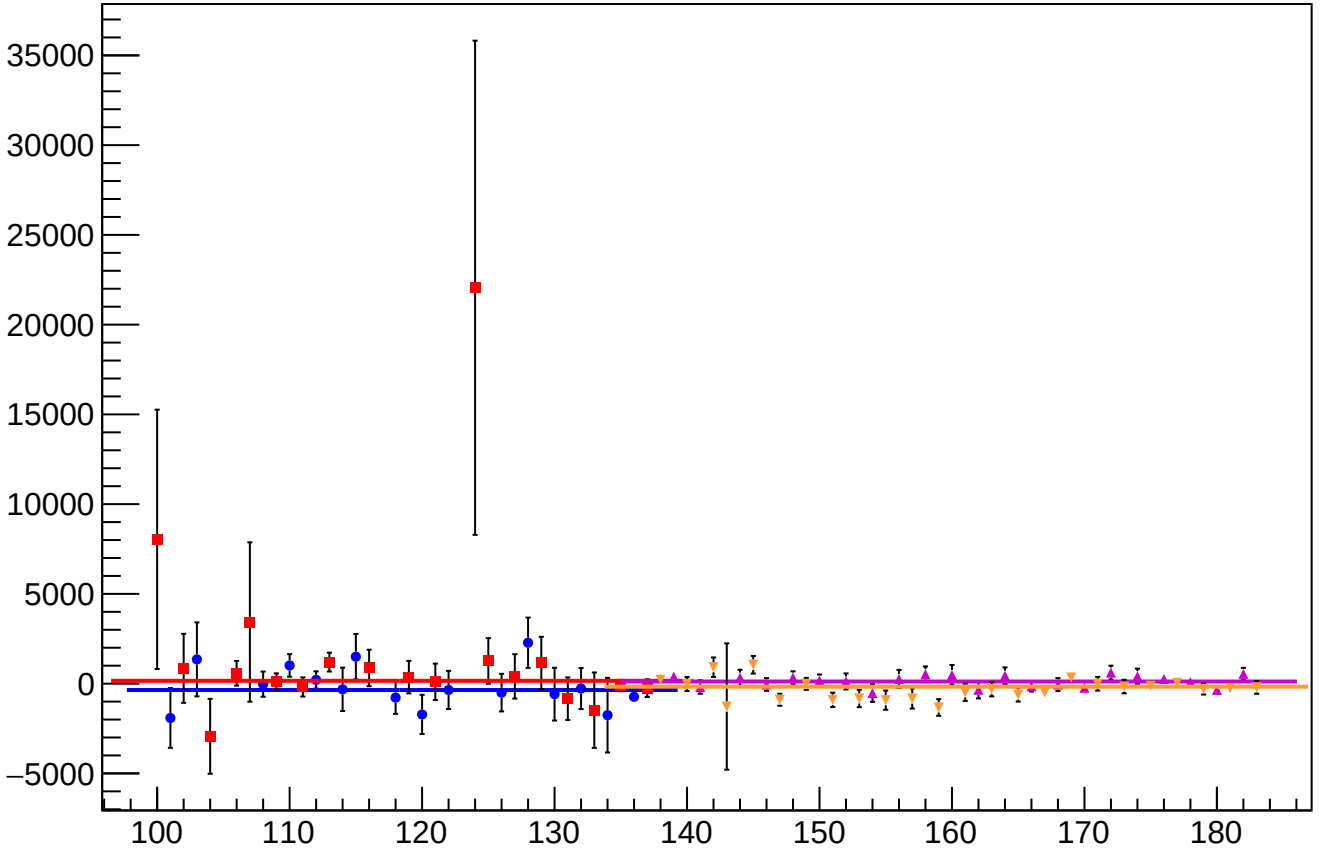
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1269.406+/-0.180 χ^2/NDF:541943.7/37

Out: 1254.811+/-0.173 χ^2/NDF:351100.7/42

All: 1261.856+/-0.125 χ^2/NDF: 896462.6/80

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: -170.049+/-64.466 χ^2/NDF:41.8/23

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: -36.328+/-47.223 χ^2/NDF: 69.0/45

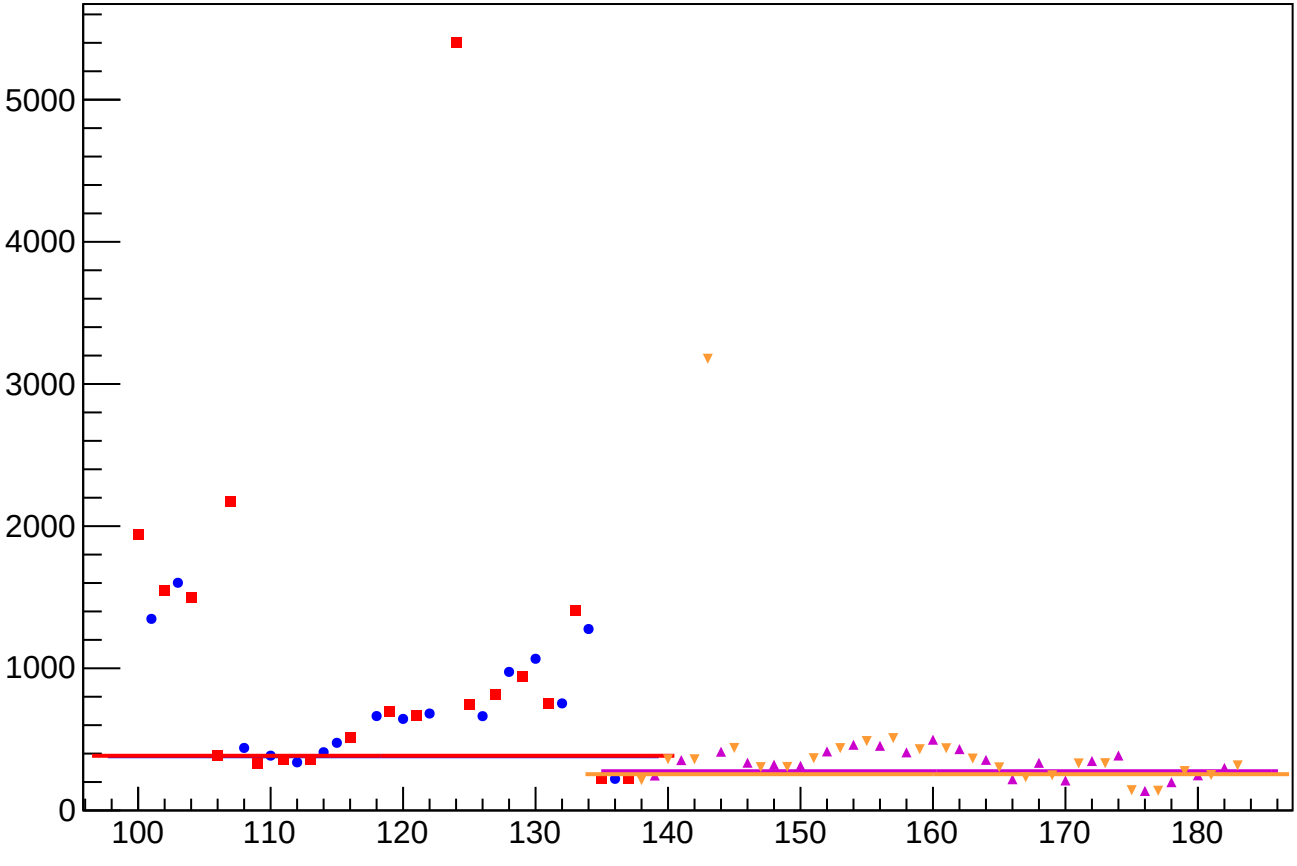
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 50.868+/-64.227 χ^2/NDF:43.0/37

Out: -128.673+/-60.263 χ^2/NDF:60.9/42

All: -44.614+/-43.947 χ^2/NDF: 108.1/80

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: 255.087+/-0.046 χ^2/NDF:6352307.5/23

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 275.869+/-0.049 χ^2/NDF:4022379.0/21

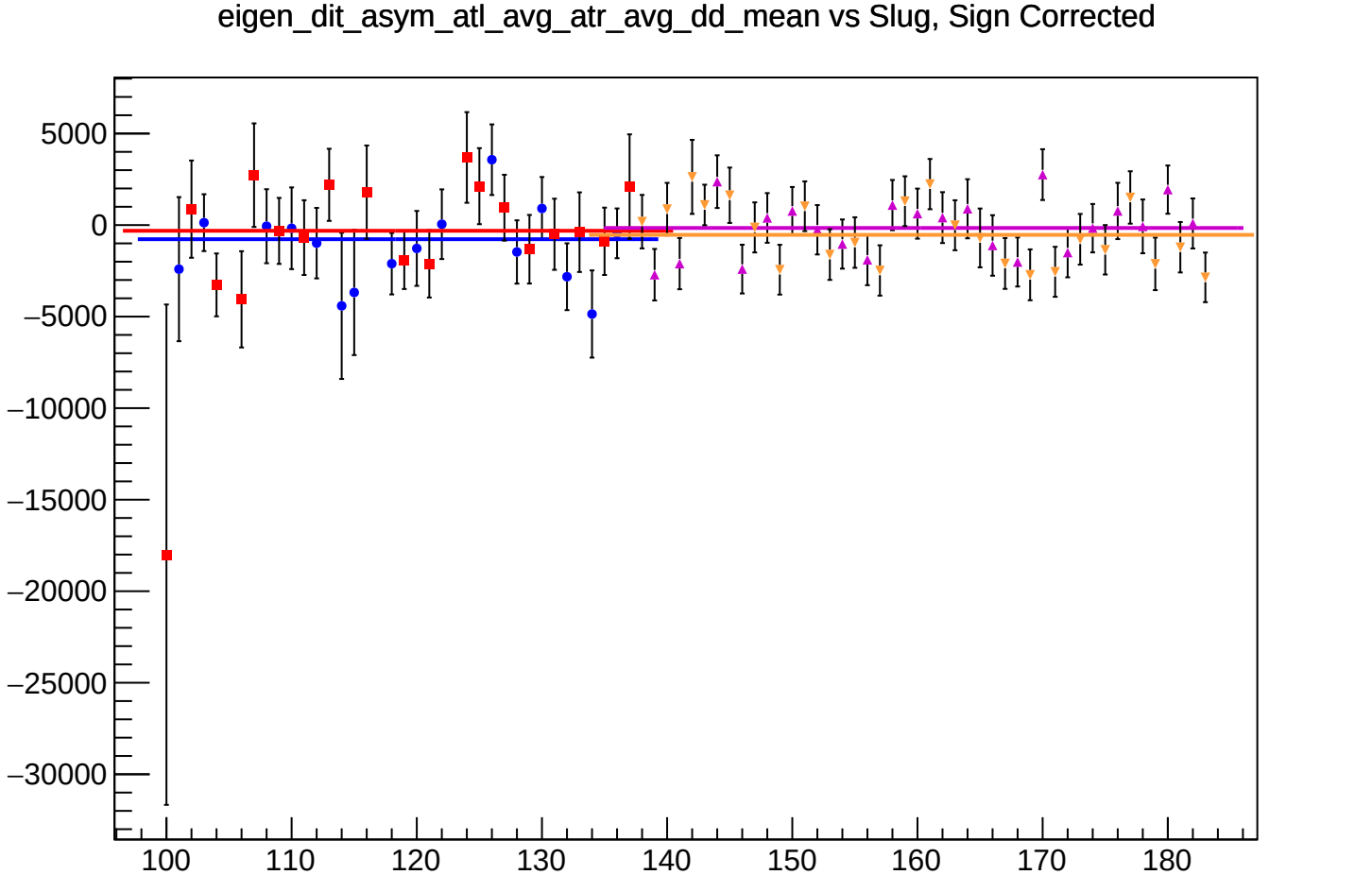
Left: 264.718+/-0.033 χ^2/NDF: 10471004.5/45

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 290.930+/-0.045 χ^2/NDF:9000553.9/37

Out: 271.433+/-0.043 χ^2/NDF:11931682.3/42

All: 280.561+/-0.031 χ^2/NDF: 21030257.1/80



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -534.921+/-284.814 χ^2/NDF:32.8/23

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -157.854+/-296.987 χ^2/NDF:26.2/21

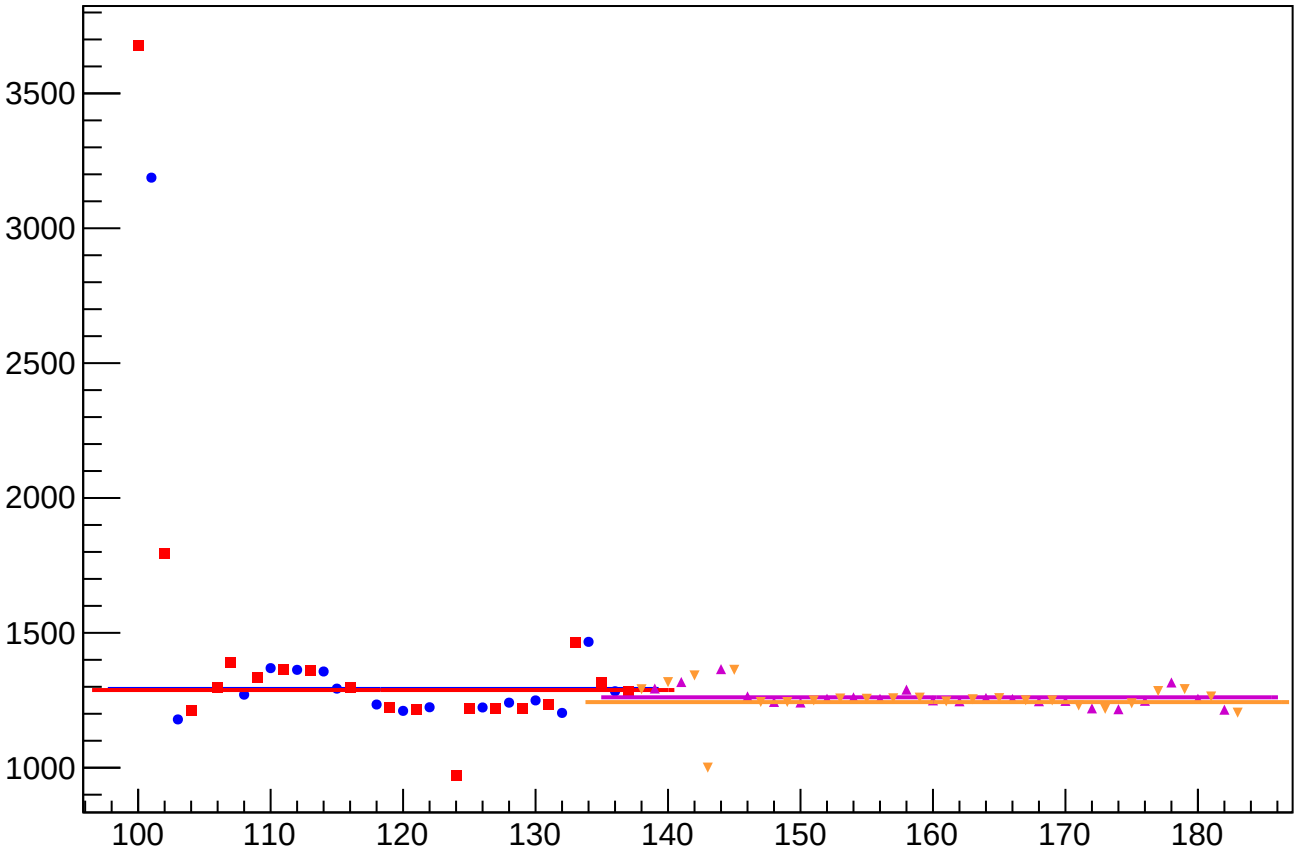
Left: -354.274+/-205.562 χ^2/NDF: 59.8/45

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -322.912+/-253.923 χ^2/NDF:40.9/37

Out: -477.193+/-245.289 χ^2/NDF:50.9/42

All: -402.720+/-176.419 χ^2/NDF: 92.0/80



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1243.257+/-0.201 χ^2/NDF:129149.0/23

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: 1251.795+/-0.145 χ^2/NDF: 159592.5/45

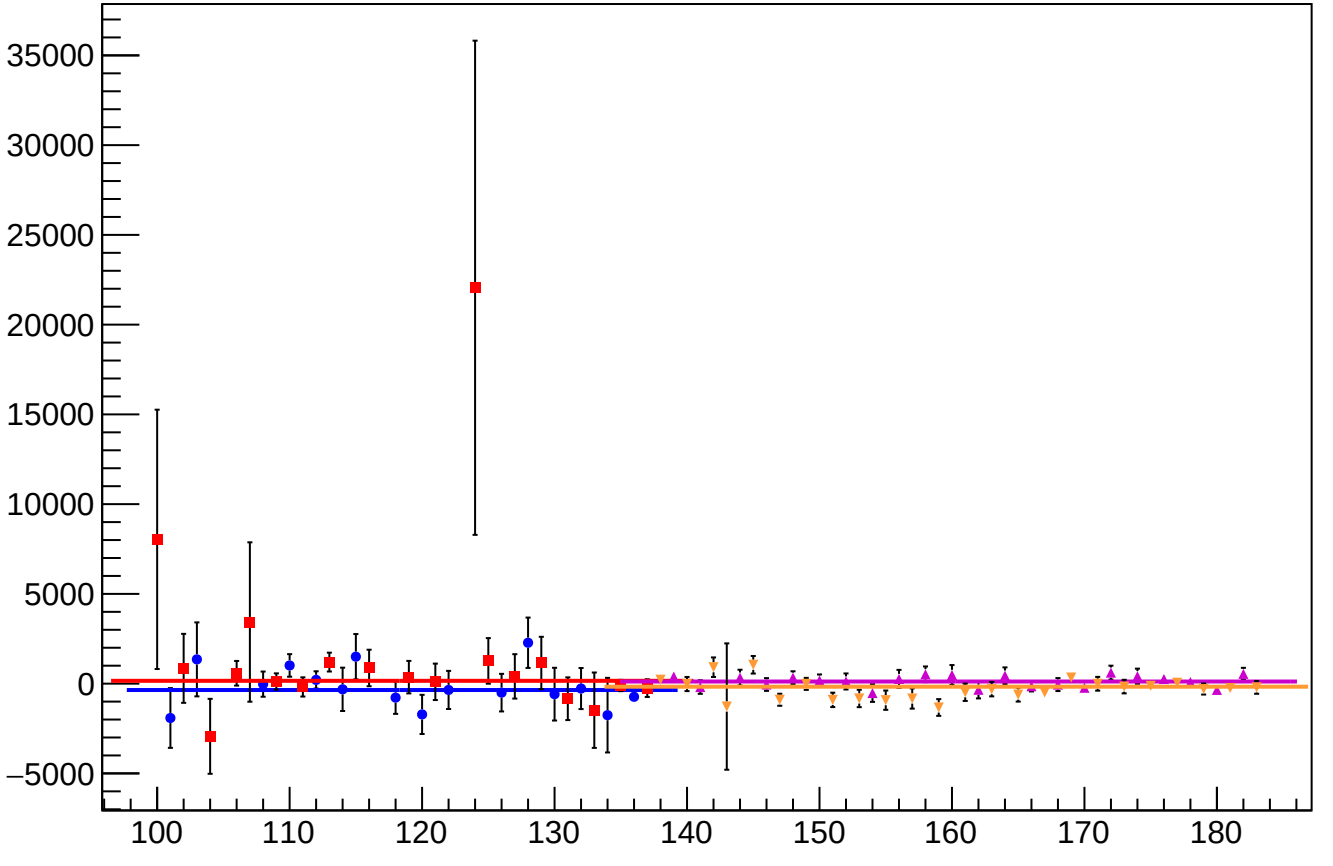
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1269.406+/-0.180 χ^2/NDF:541943.8/37

Out: 1254.811+/-0.173 χ^2/NDF:351100.1/42

All: 1261.856+/-0.125 χ^2/NDF: 896462.1/80

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: -170.053+/-64.466 χ^2/NDF:41.8/23

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: -36.330+/-47.223 χ^2/NDF: 69.0/45

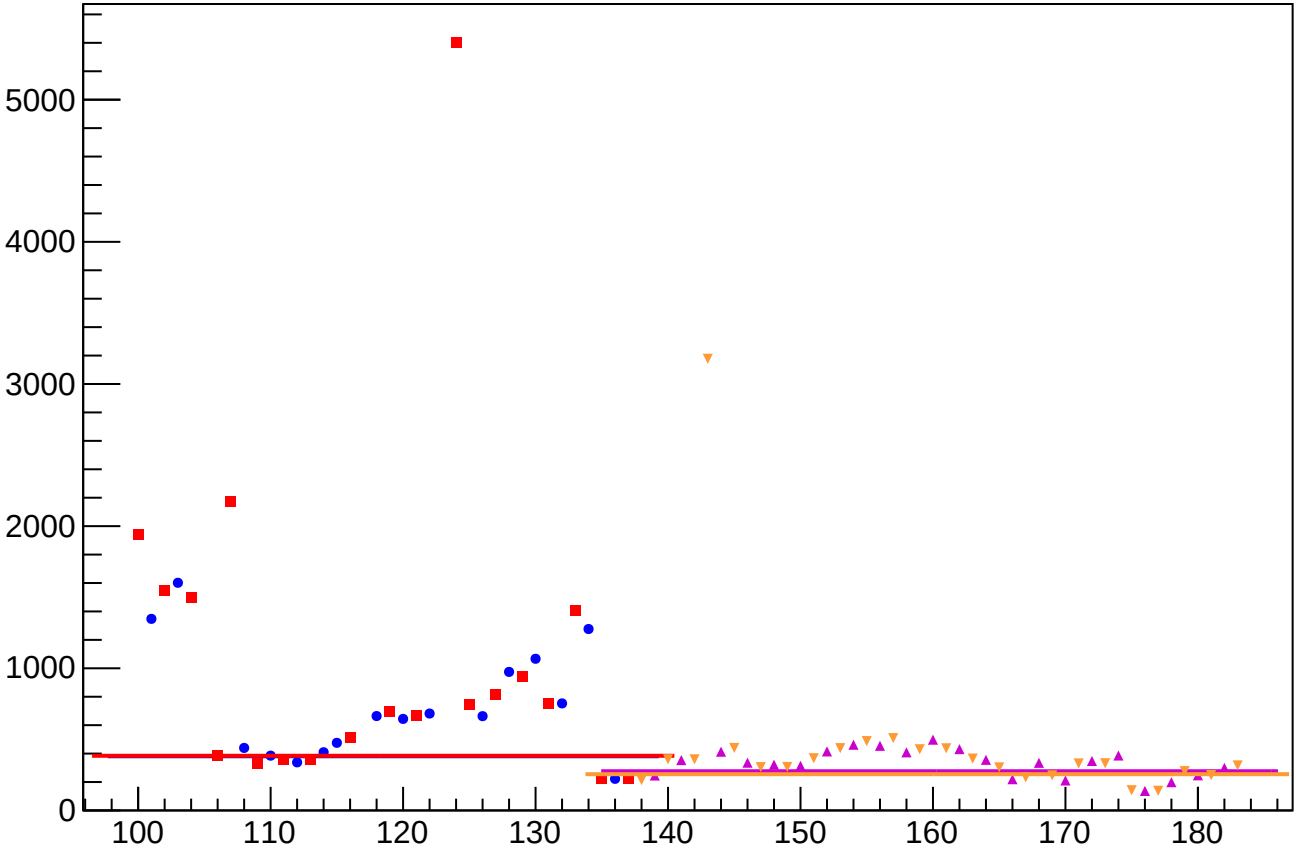
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 50.868+/-64.227 χ^2/NDF:43.0/37

Out: -128.676+/-60.263 χ^2/NDF:60.9/42

All: -44.615+/-43.947 χ^2/NDF: 108.1/80

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: 255.089+/-0.046 χ^2/NDF:6352208.6/23

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 275.870+/-0.049 χ^2/NDF:4022339.7/21

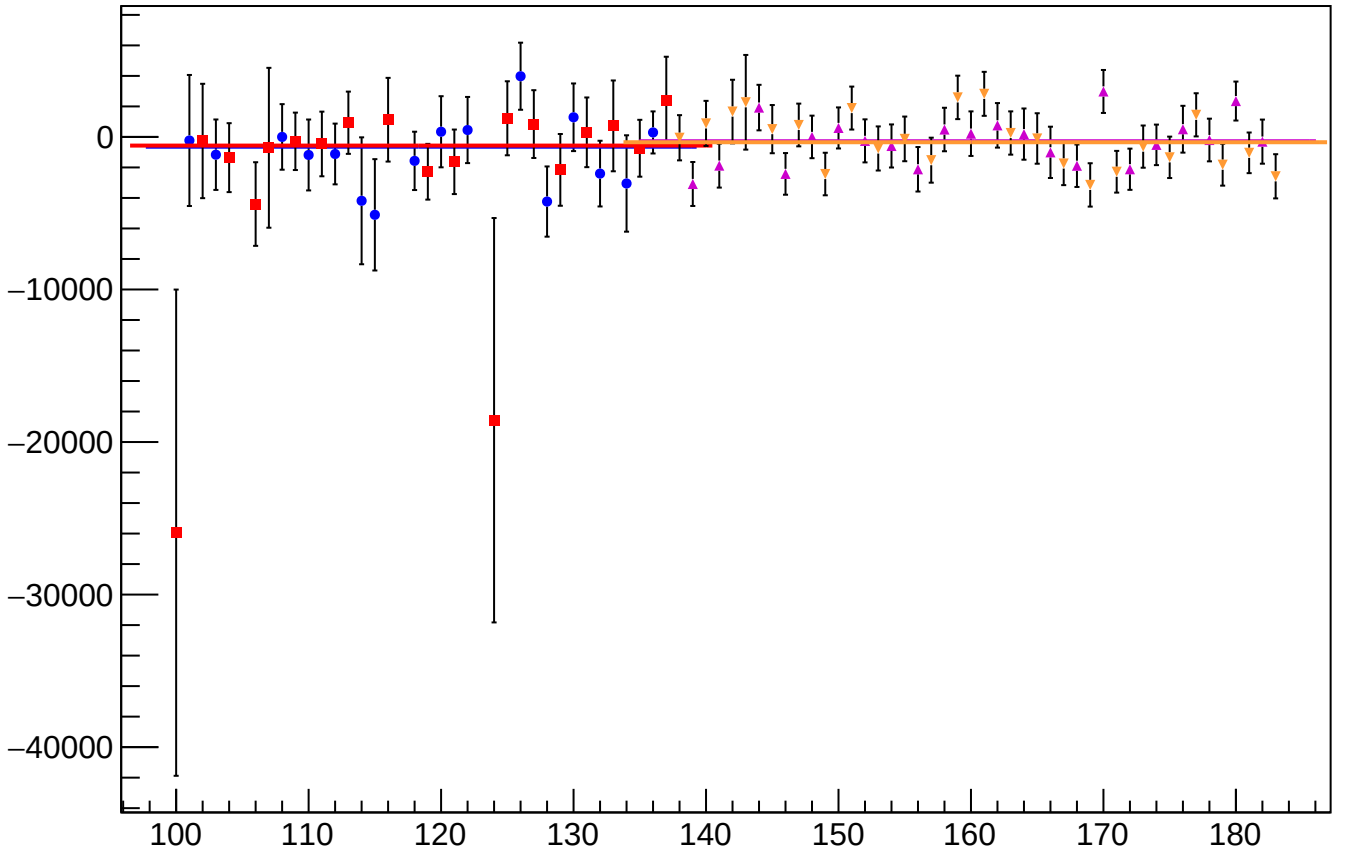
Left: 264.719+/-0.033 χ^2/NDF: 10470858.4/45

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 290.932+/-0.045 χ^2/NDF:9000429.4/37

Out: 271.435+/-0.043 χ^2/NDF:11931521.1/42

All: 280.563+/-0.031 χ^2/NDF: 21029966.6/80



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -347.312+/-300.410 χ^2/NDF:31.0/23

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: -314.965+/-213.828 χ^2/NDF: 57.0/45

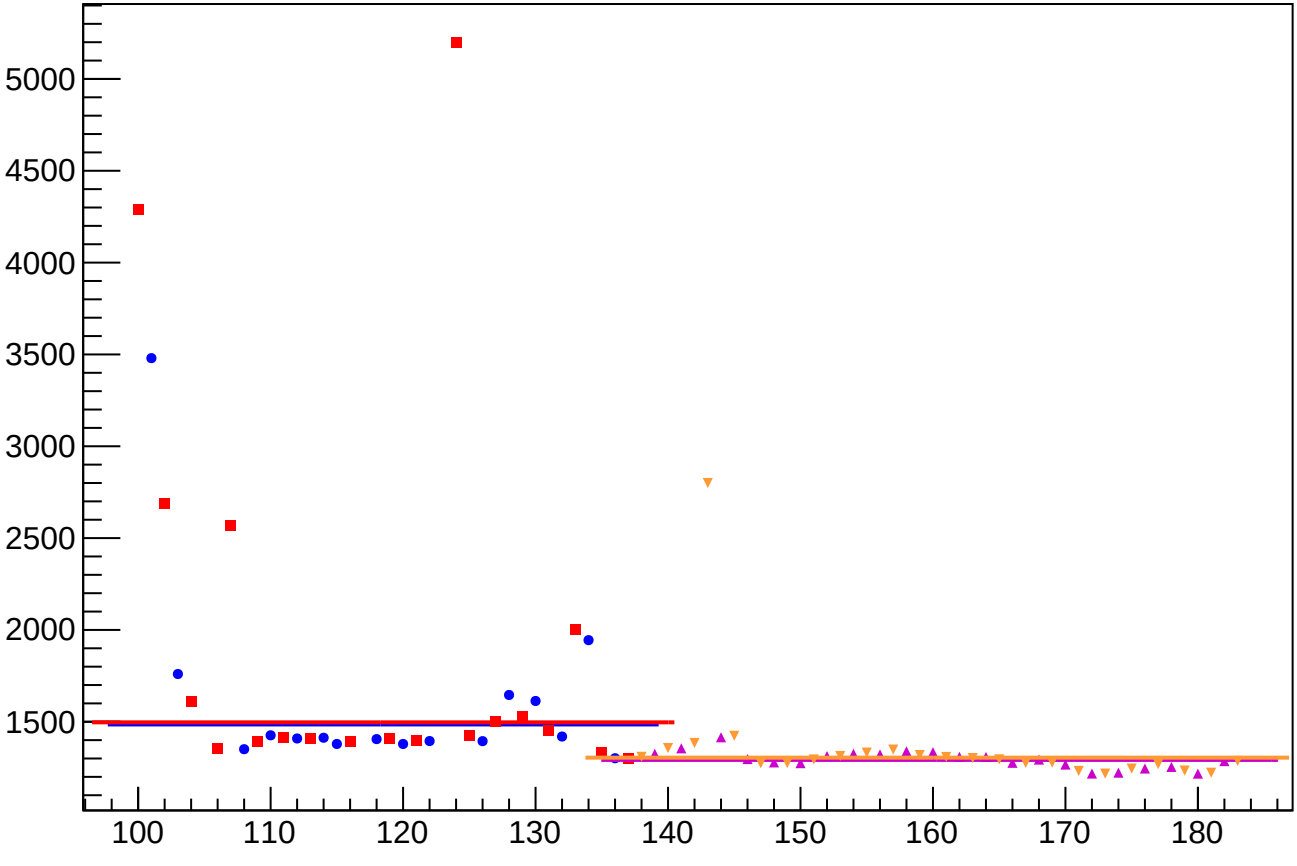
Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -362.678+/-267.933 χ^2/NDF:38.8/37

Out: -395.550+/-265.430 χ^2/NDF:42.4/42

All: -379.268+/-188.566 χ^2/NDF: 81.2/80

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1304.571+/-0.212 χ^2/NDF:519340.0/23

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.298+/-0.215 χ^2/NDF:48302.9/21

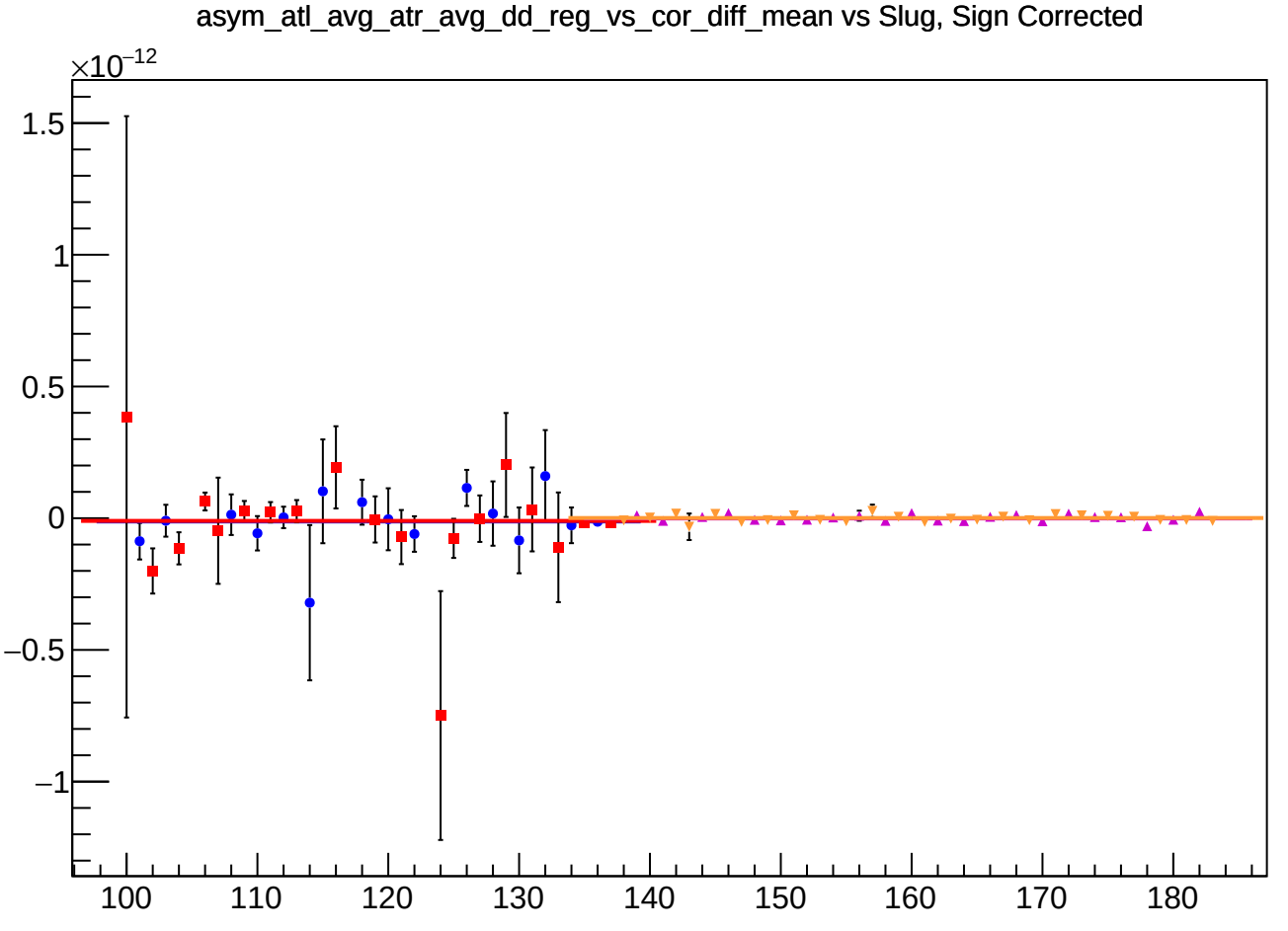
Left: 1298.516+/-0.151 χ^2/NDF: 569289.8/45

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1335.814+/-0.189 χ^2/NDF:814087.1/37

Out: 1346.746+/-0.188 χ^2/NDF:1322361.3/42

All: 1341.331+/-0.133 χ^2/NDF: 2138128.5/80



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:29.5/21

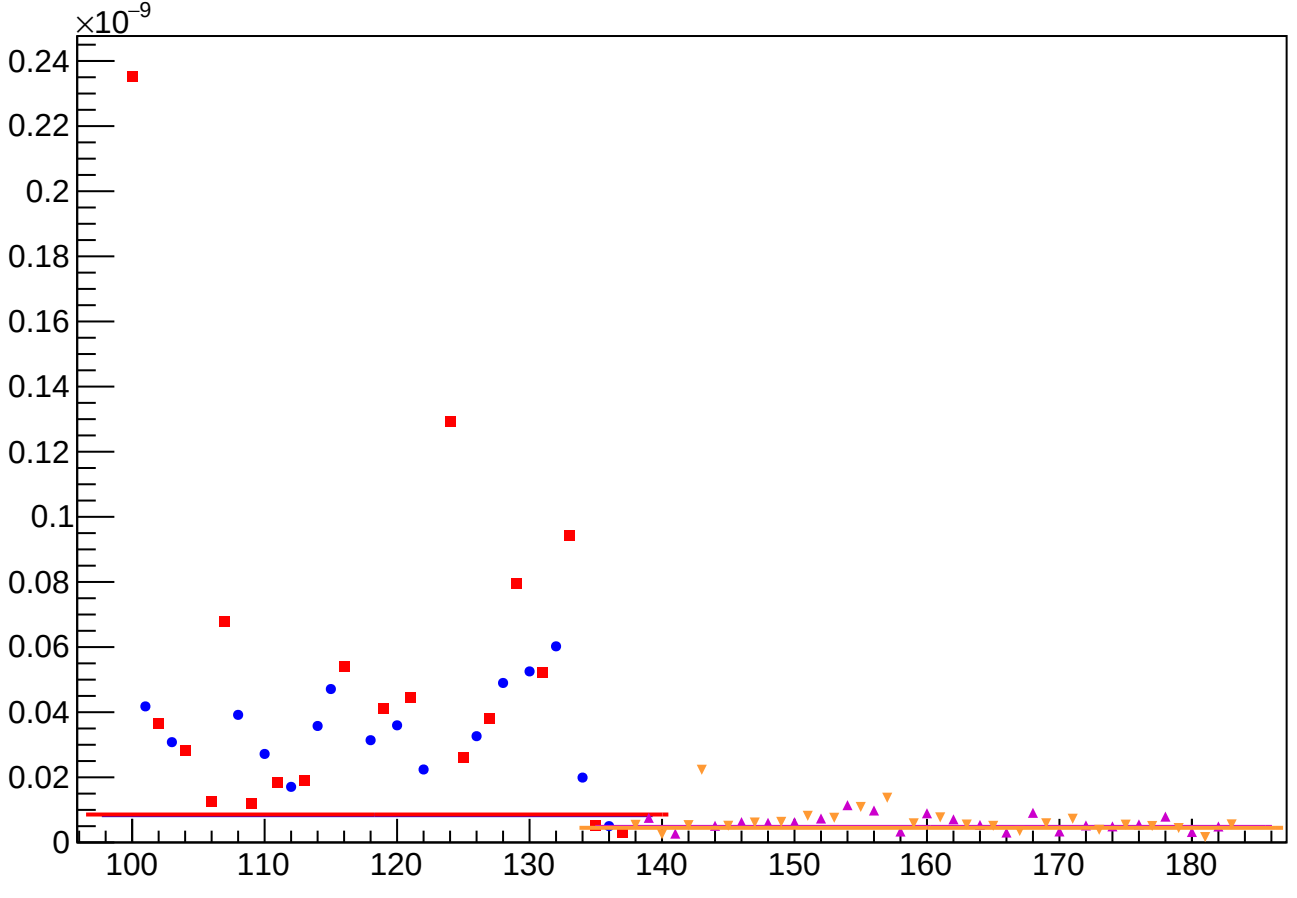
Left: -0.000+/-0.000 χ^2/NDF: 53.4/45

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:47.6/42

All: -0.000+/-0.000 χ^2/NDF: 89.2/80



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2705686.3/23

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: 4611583.8/45

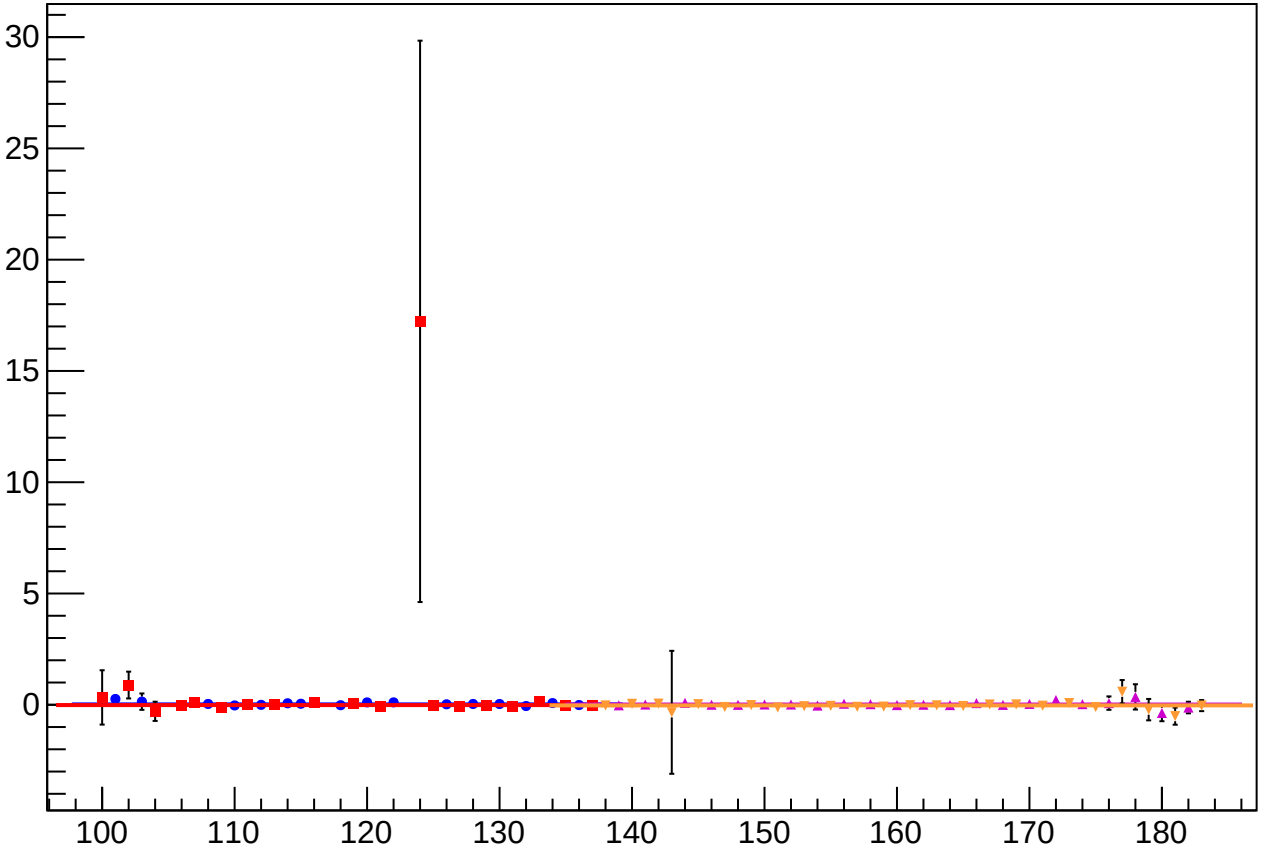
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5381835.3/37

Out: 0.000+/-0.000 χ^2/NDF:6545879.3/42

All: 0.000+/-0.000 χ^2/NDF: 11956260.2/80

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:26.9/23

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: 47.6/45

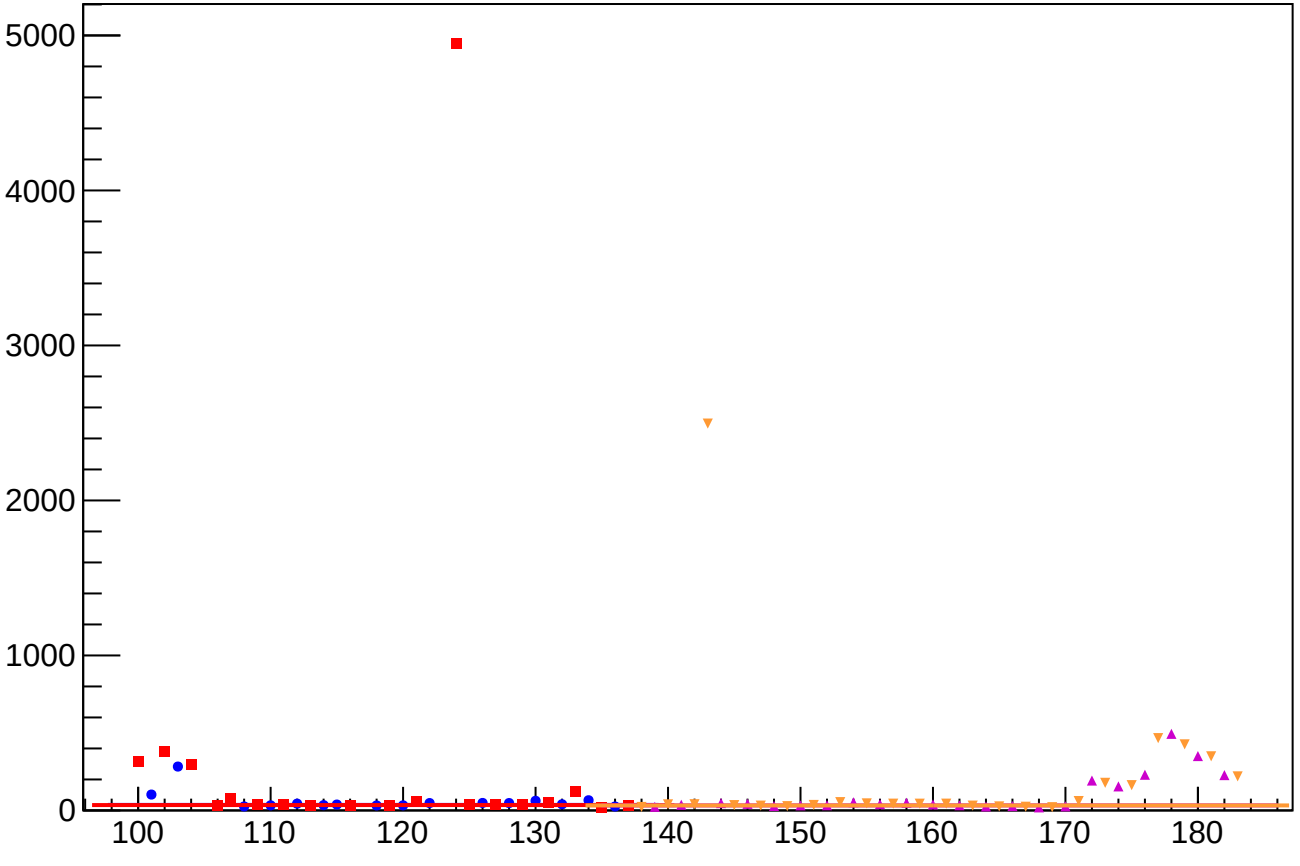
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 77.6/80

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.444+/-0.007 χ^2/NDF:10530020.3/23

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: 32.536+/-0.005 χ^2/NDF: 19079953.0/45

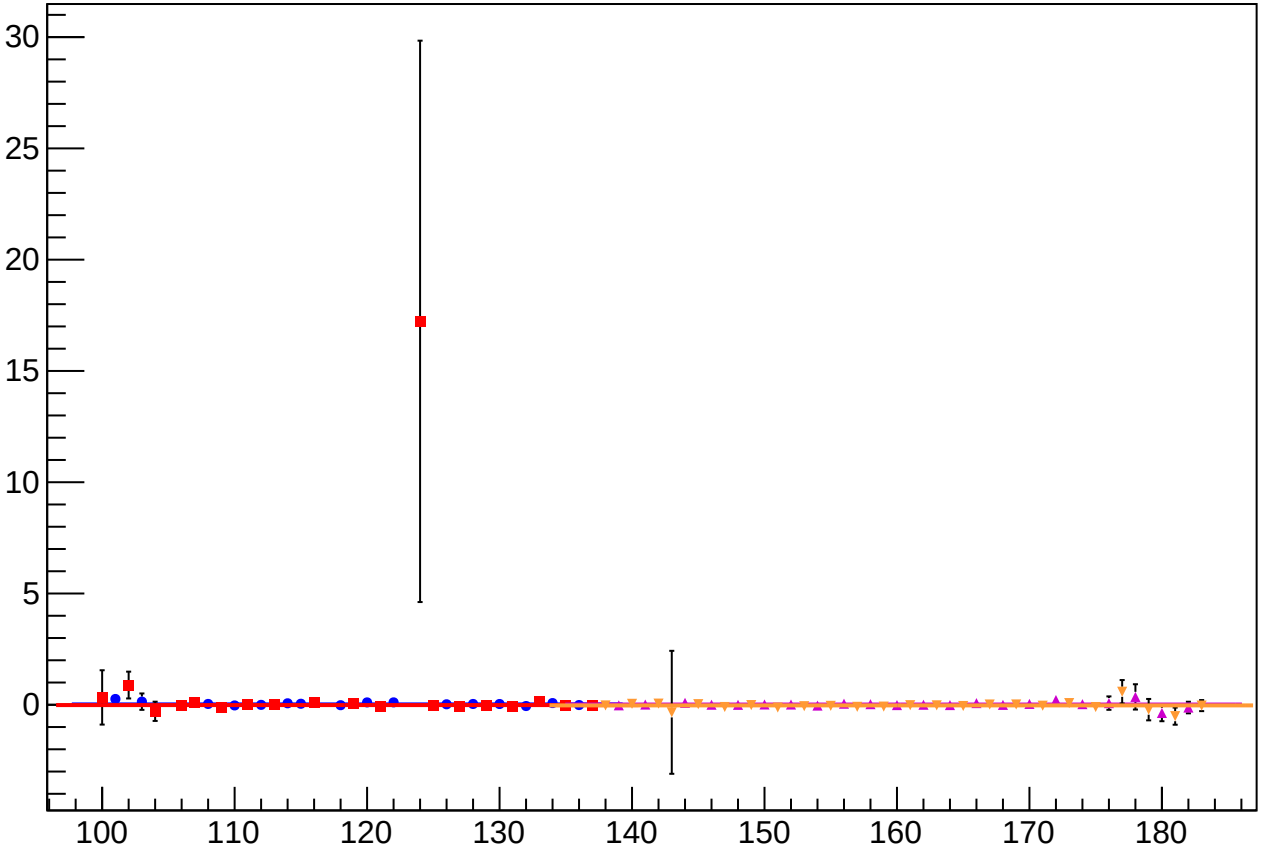
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.483+/-0.006 χ^2/NDF:10873313.9/37

Out: 33.081+/-0.006 χ^2/NDF:13477252.6/42

All: 33.283+/-0.004 χ^2/NDF: 24353021.5/80

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:26.9/23

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: 47.6/45

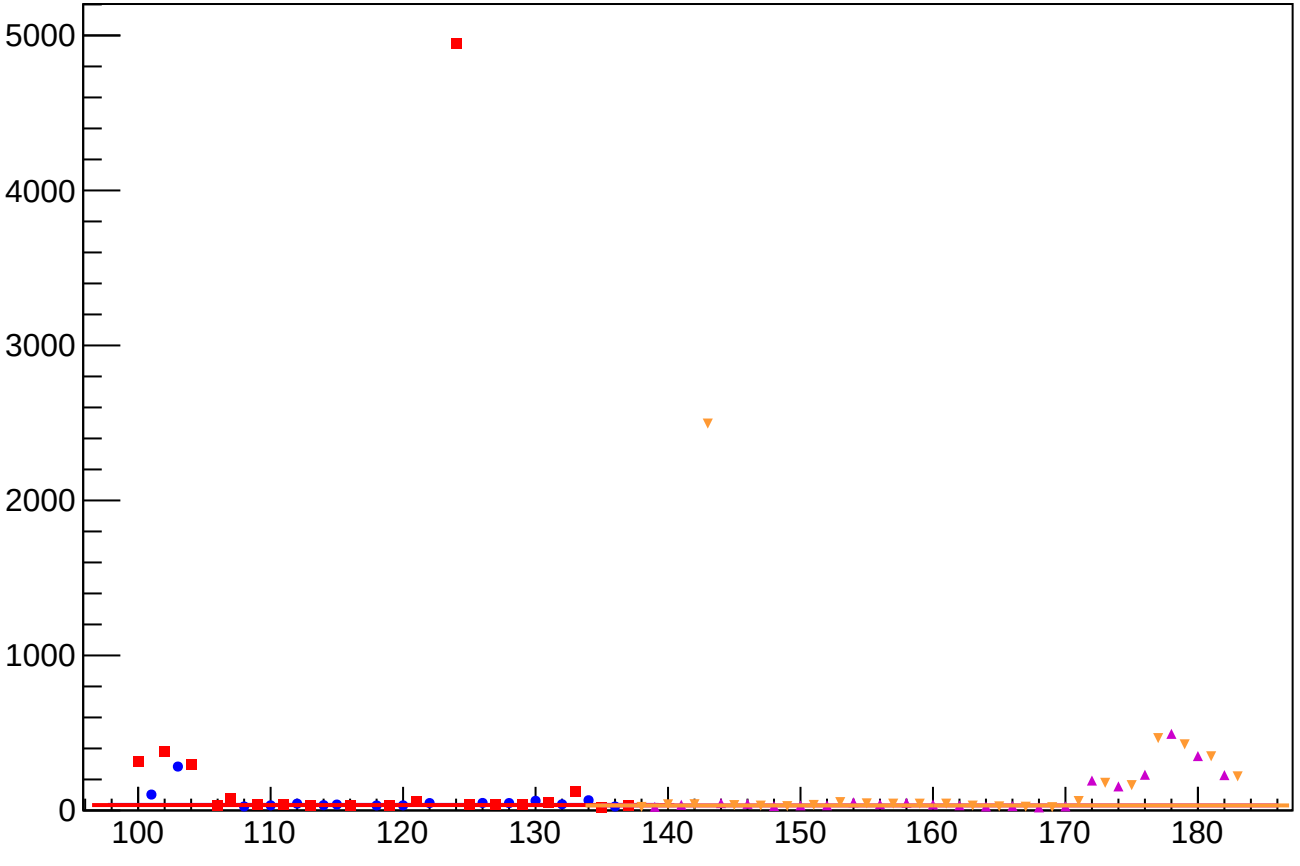
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 77.6/80

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: 32.444+/-0.007 χ^2/NDF:10530020.3/23

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.628+/-0.007 χ^2/NDF:8549557.8/21

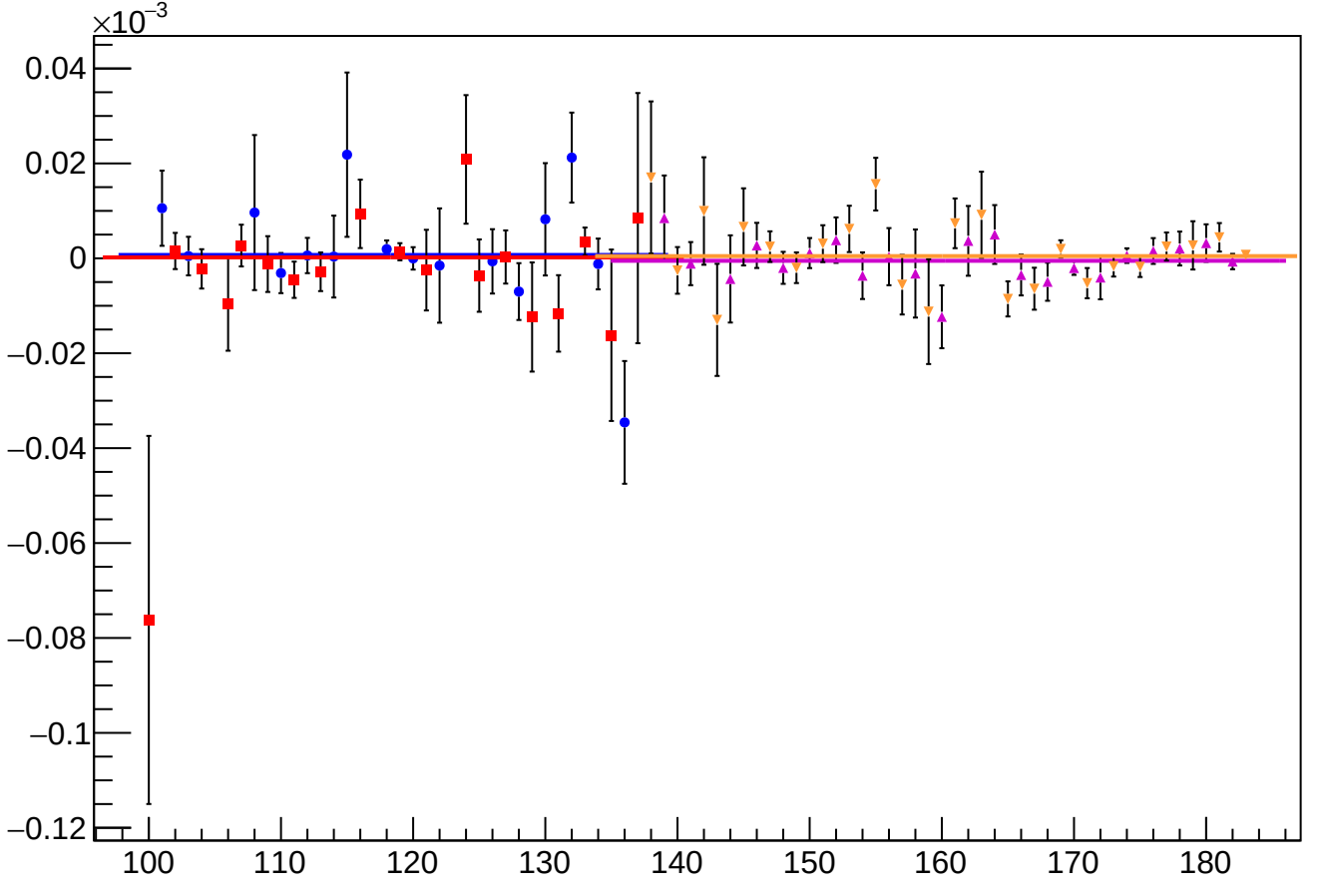
Left: 32.536+/-0.005 χ^2/NDF: 19079953.0/45

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.483+/-0.006 χ^2/NDF:10873313.9/37

Out: 33.081+/-0.006 χ^2/NDF:13477252.6/42

All: 33.283+/-0.004 χ^2/NDF: 24353021.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/23

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: 50.6/45

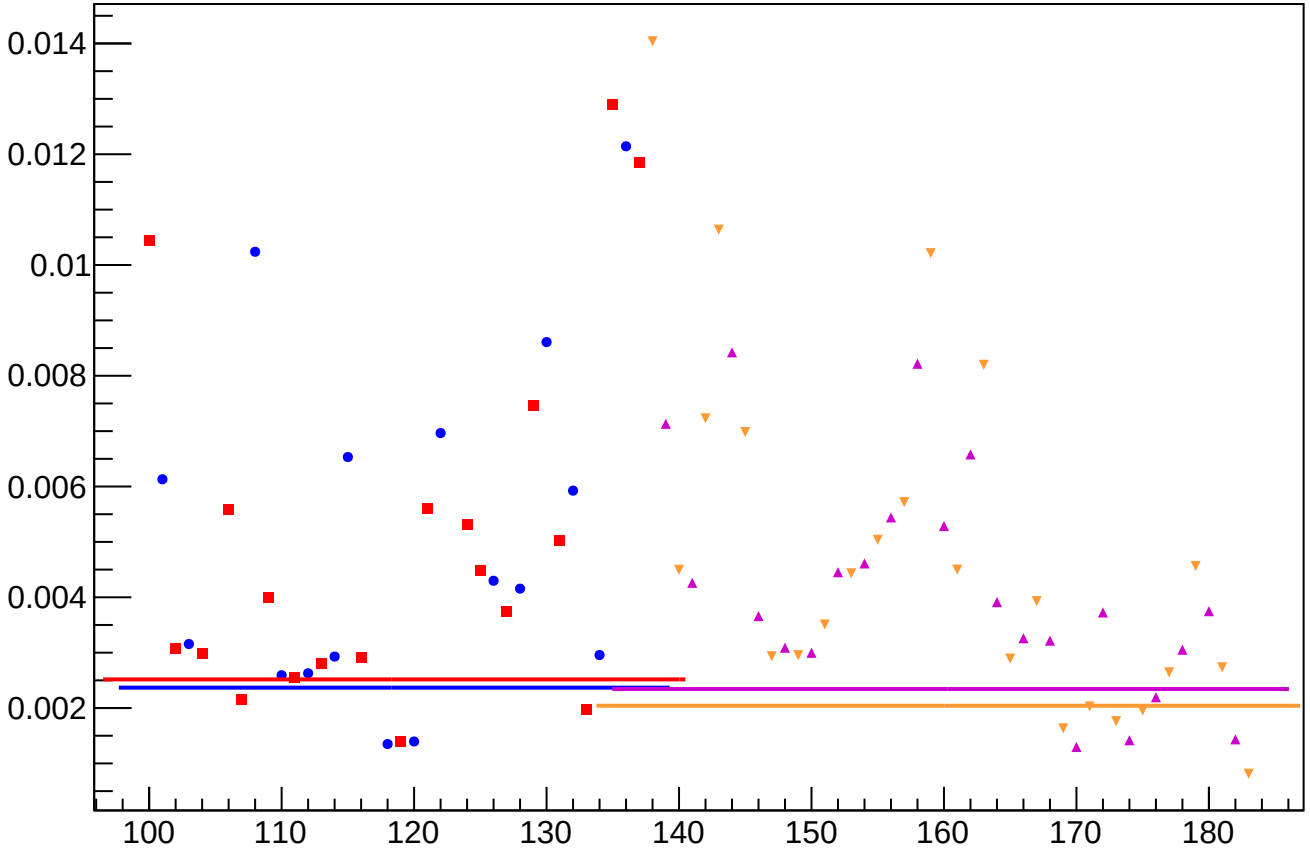
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:33.6/37

Out: 0.000+/-0.000 χ^2/NDF:53.8/42

All: 0.000+/-0.000 χ^2/NDF: 88.1/80

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: 0.002+/-0.000 χ^2/NDF:13164720.2/23

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: 0.002+/-0.000 χ^2/NDF: 21954641.2/45

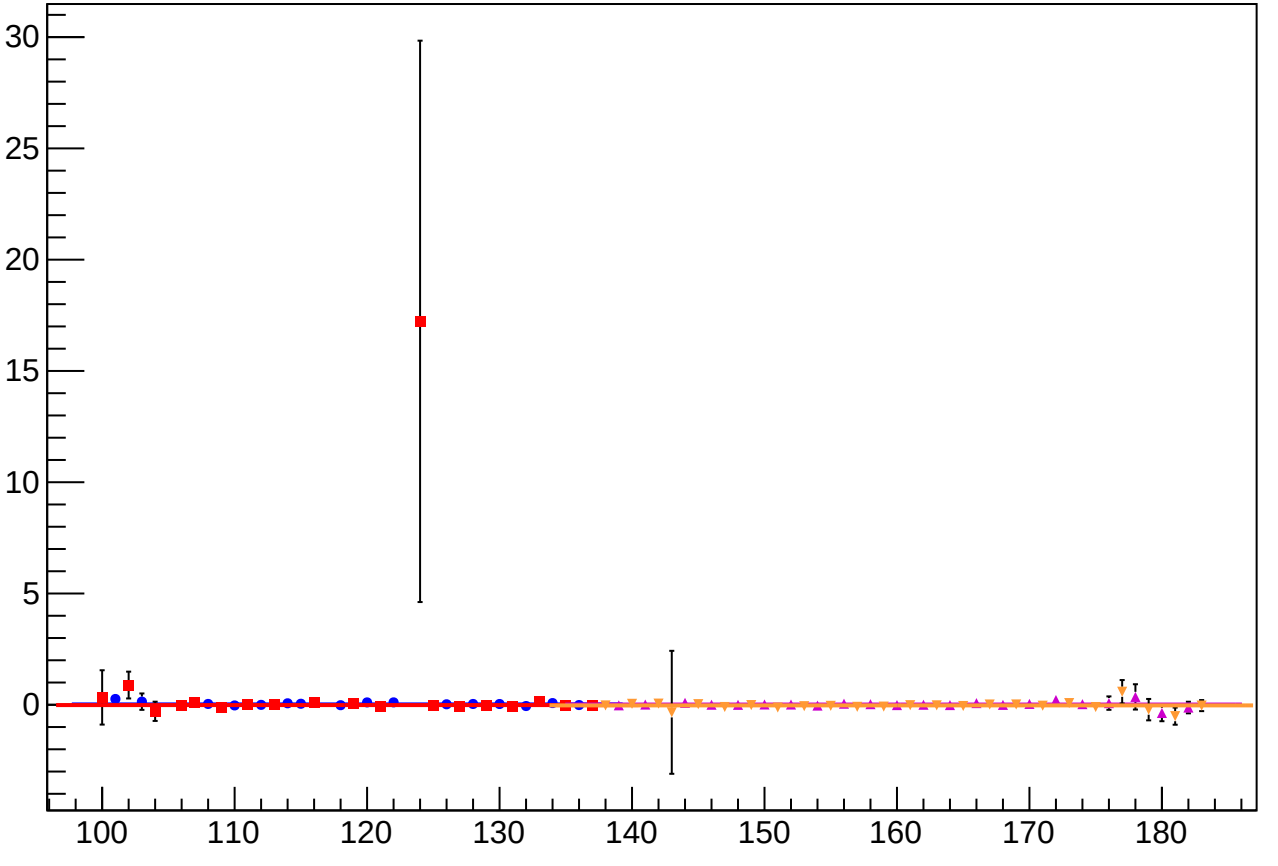
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:13288048.9/37

Out: 0.002+/-0.000 χ^2/NDF:16865294.1/42

All: 0.002+/-0.000 χ^2/NDF: 30277441.2/80

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:26.9/23

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: 47.6/45

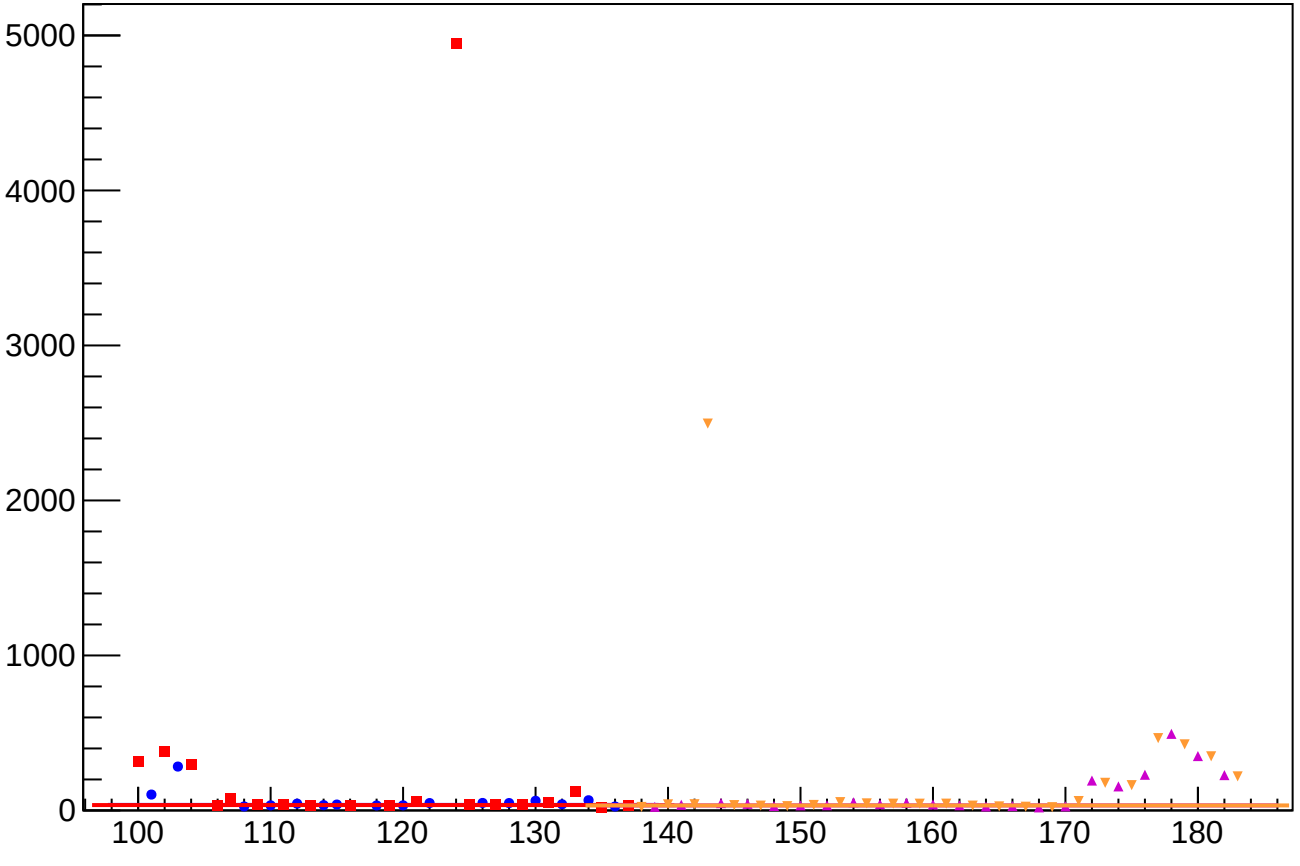
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 77.6/80

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: 32.443+/-0.007 χ^2/NDF:10530277.3/23

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: 32.535+/-0.005 χ^2/NDF: 19080832.3/45

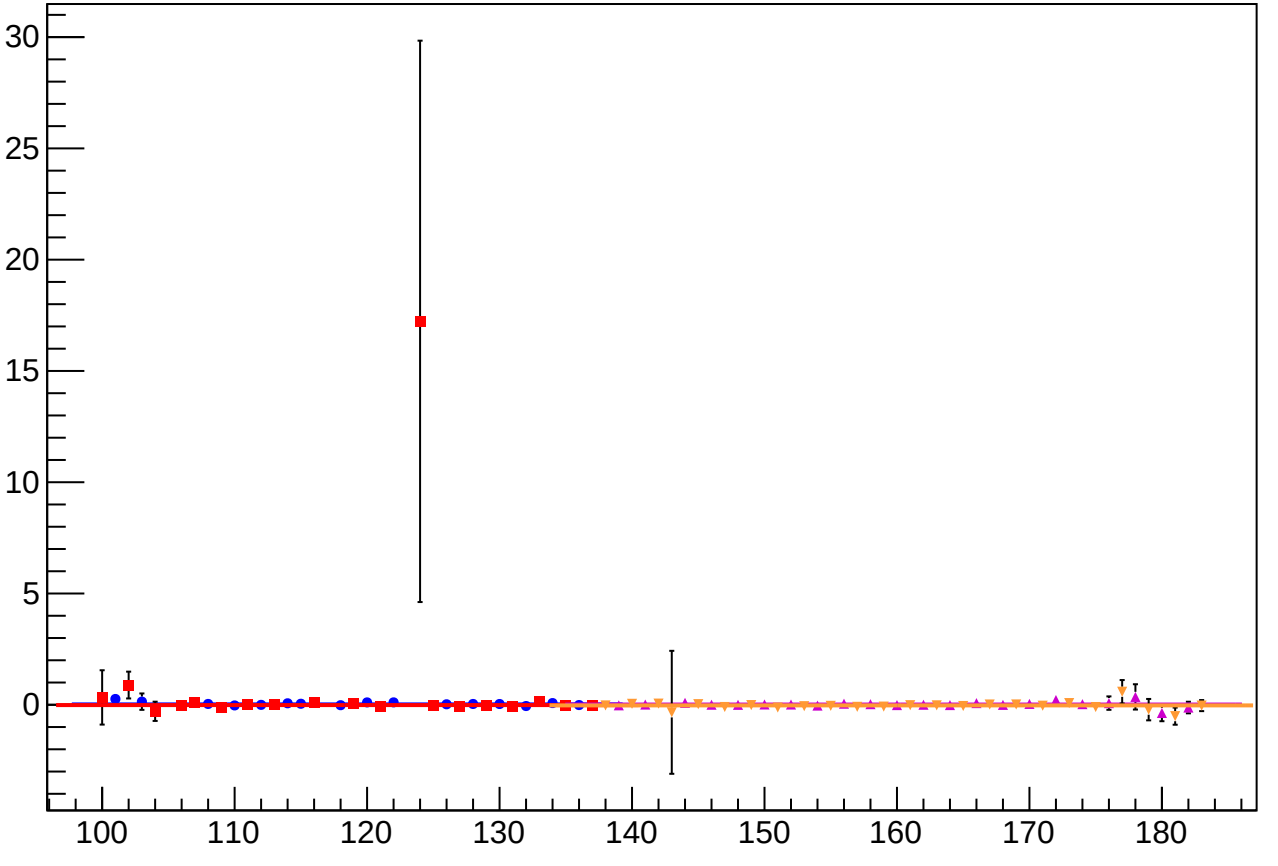
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.482+/-0.006 χ^2/NDF:10873769.6/37

Out: 33.081+/-0.006 χ^2/NDF:13477366.3/42

All: 33.282+/-0.004 χ^2/NDF: 24353582.7/80

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:26.9/23

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: 47.6/45

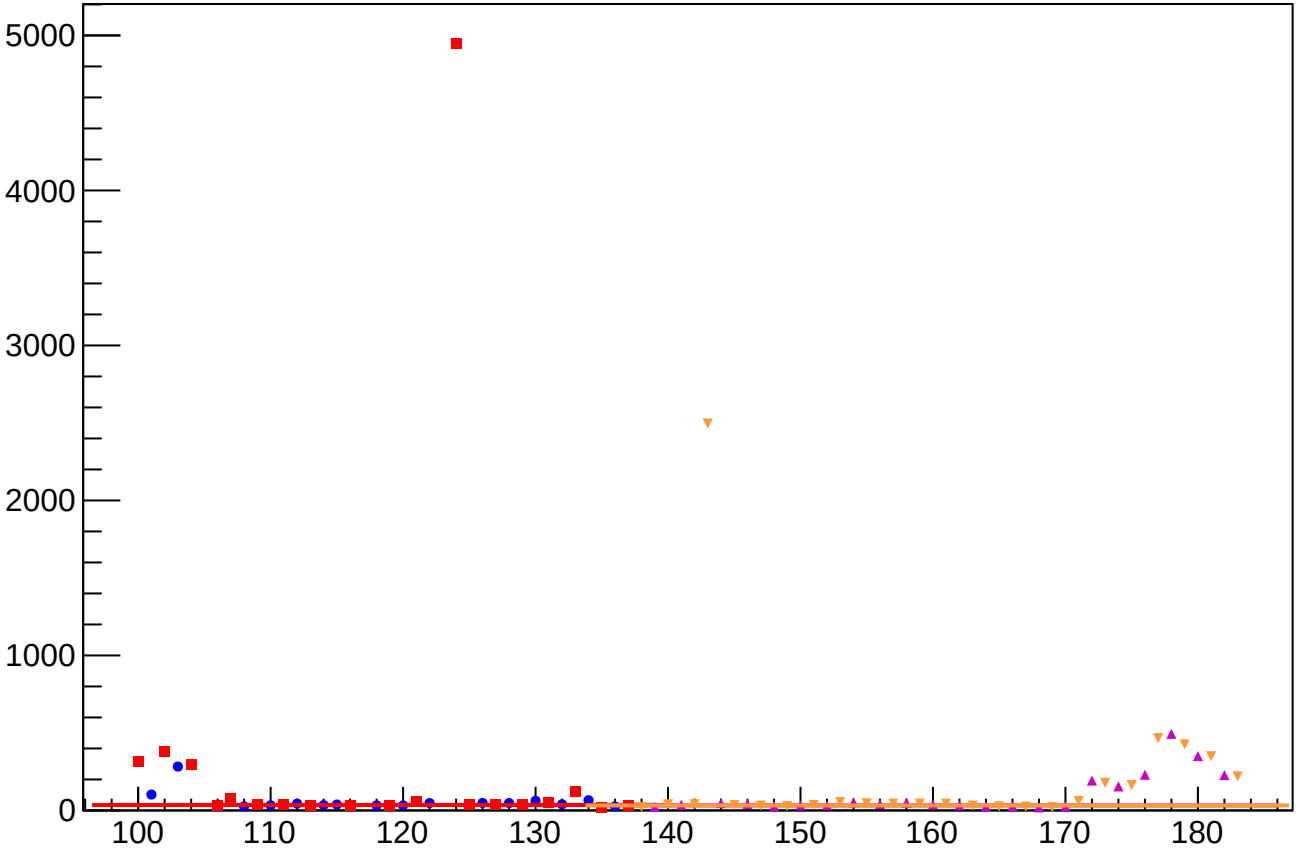
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 77.6/80

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: 32.443+/-0.007 χ^2/NDF:10530277.3/23

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.626+/-0.007 χ^2/NDF:8550184.6/21

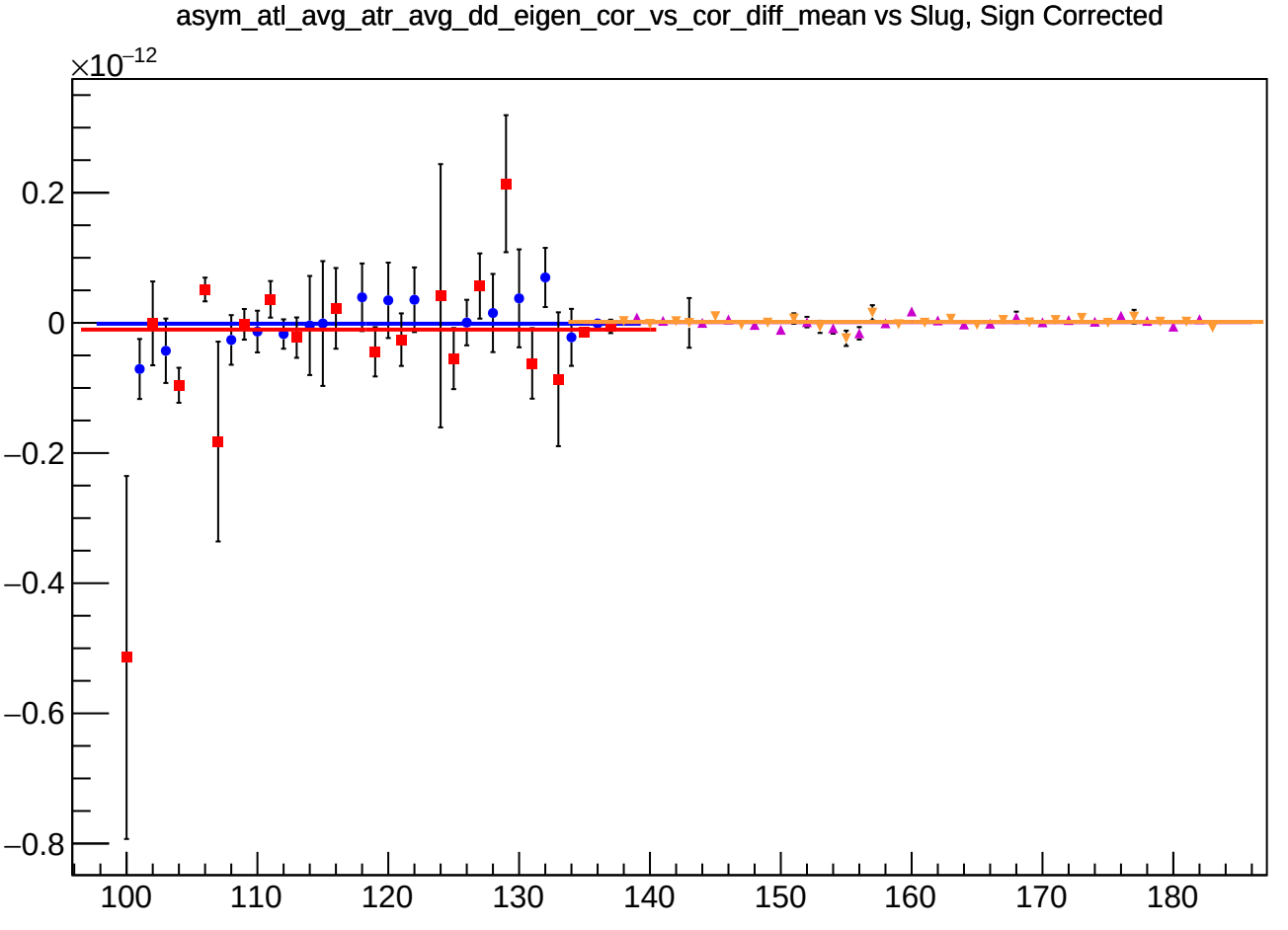
Left: 32.535+/-0.005 χ^2/NDF: 19080832.3/45

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

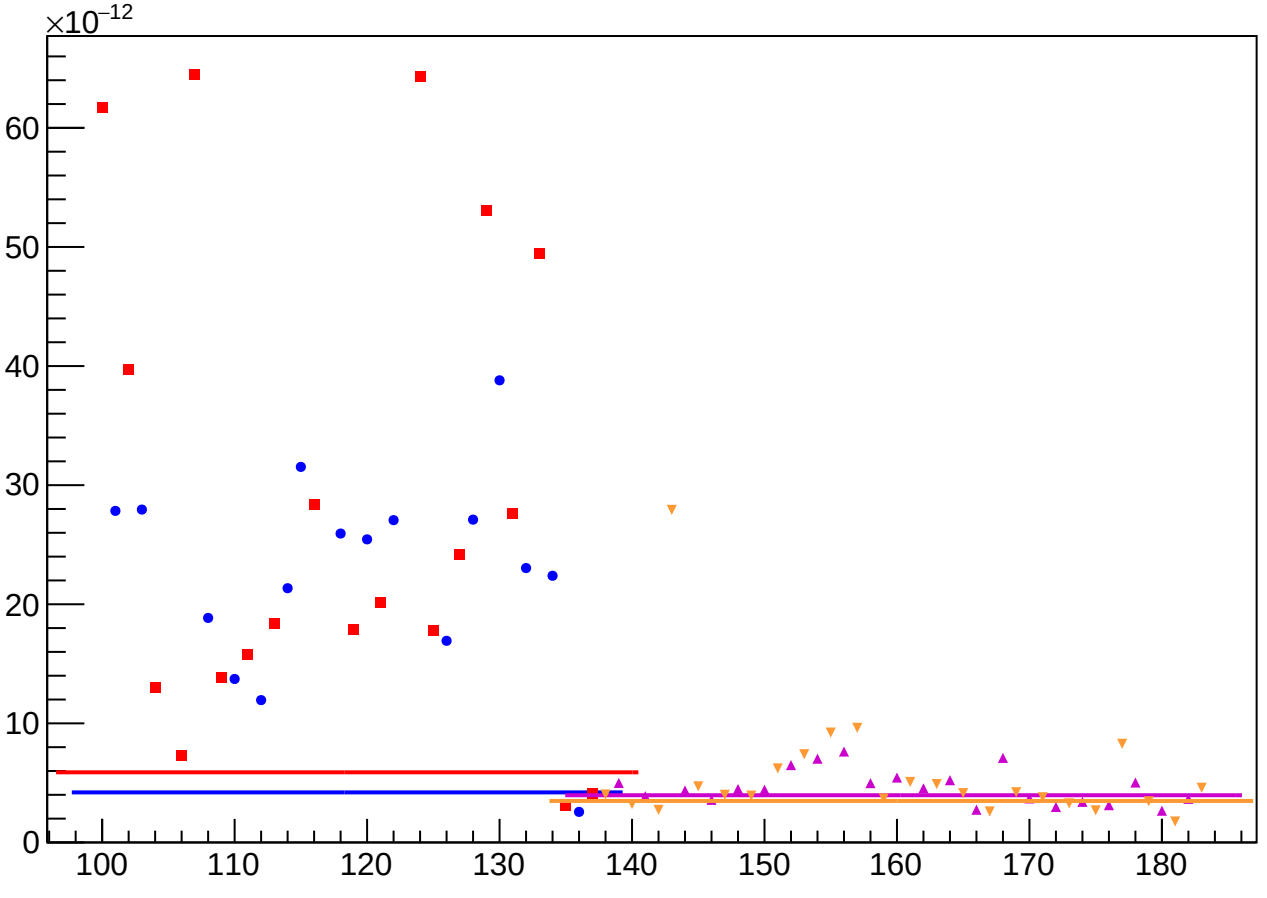
In: 33.482+/-0.006 χ^2/NDF:10873769.6/37

Out: 33.081+/-0.006 χ^2/NDF:13477366.3/42

All: 33.282+/-0.004 χ^2/NDF: 24353582.7/80


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:17.9/23
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: 46.5/45
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:65.3/42
All: 0.000+/-0.000 χ²/NDF: 102.9/80

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4639597.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2064196.8/21

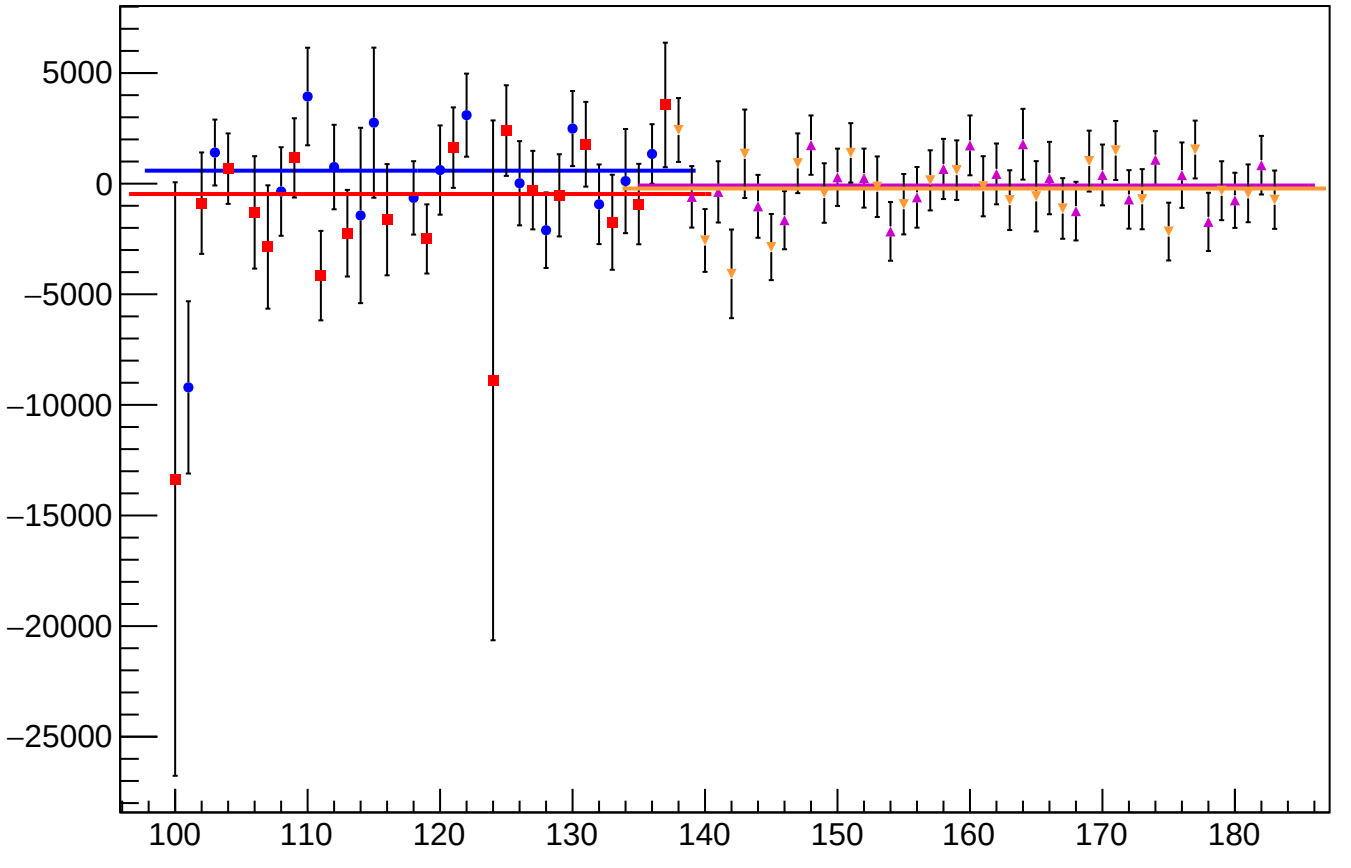
Left: 0.000+/-0.000 χ^2/NDF: 6892286.2/45

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:10124214.3/42

All: 0.000+/-0.000 χ^2/NDF: 17393592.5/80



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -219.245+/-285.239 χ^2/NDF:23.9/23

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -84.065+/-290.828 χ^2/NDF:14.6/21

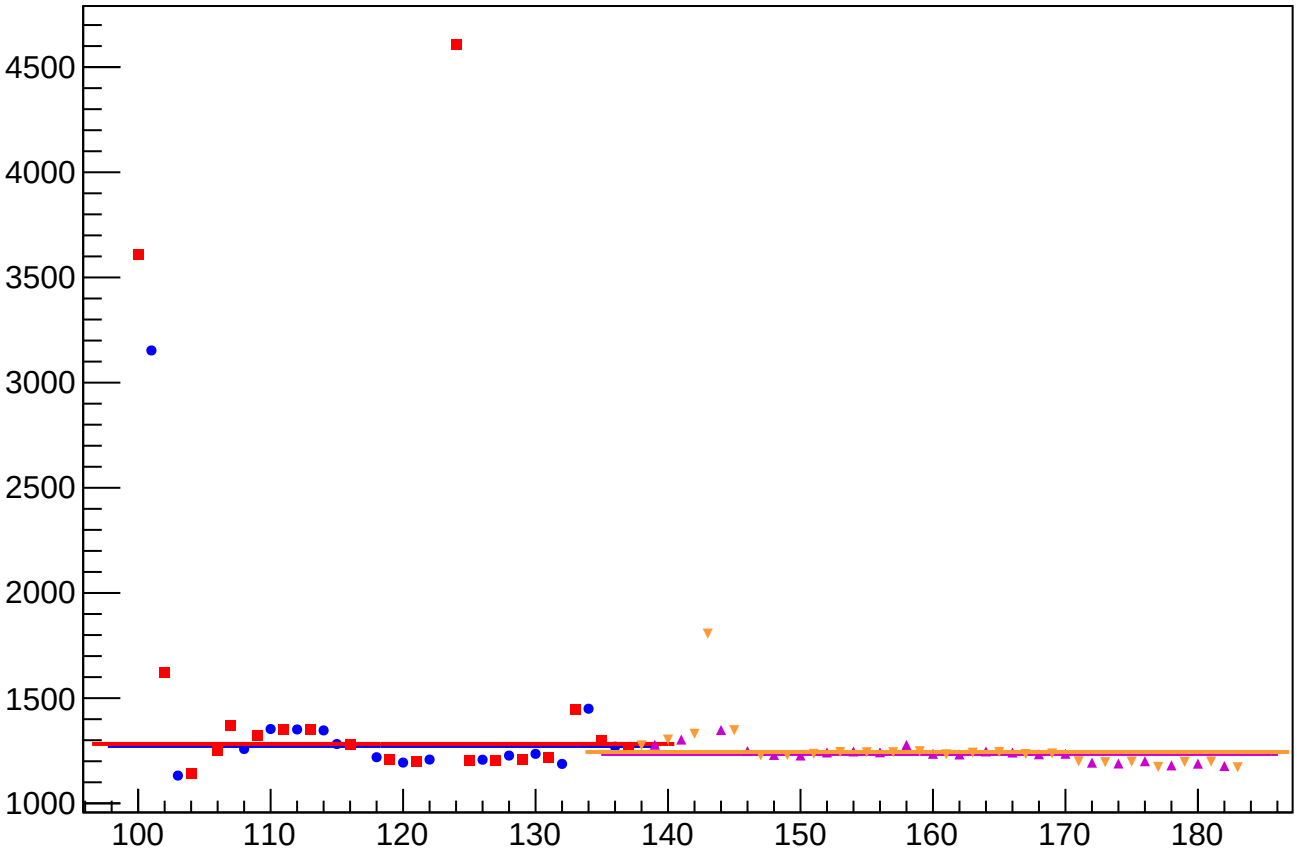
Left: -152.967+/-203.642 χ^2/NDF: 38.7/45

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 94.787+/-249.071 χ^2/NDF:33.1/37

Out: -284.324+/-245.279 χ^2/NDF:41.0/42

All: -97.676+/-174.764 χ^2/NDF: 75.3/80



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1243.996+/-0.202 χ^2/NDF:201089.9/23

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

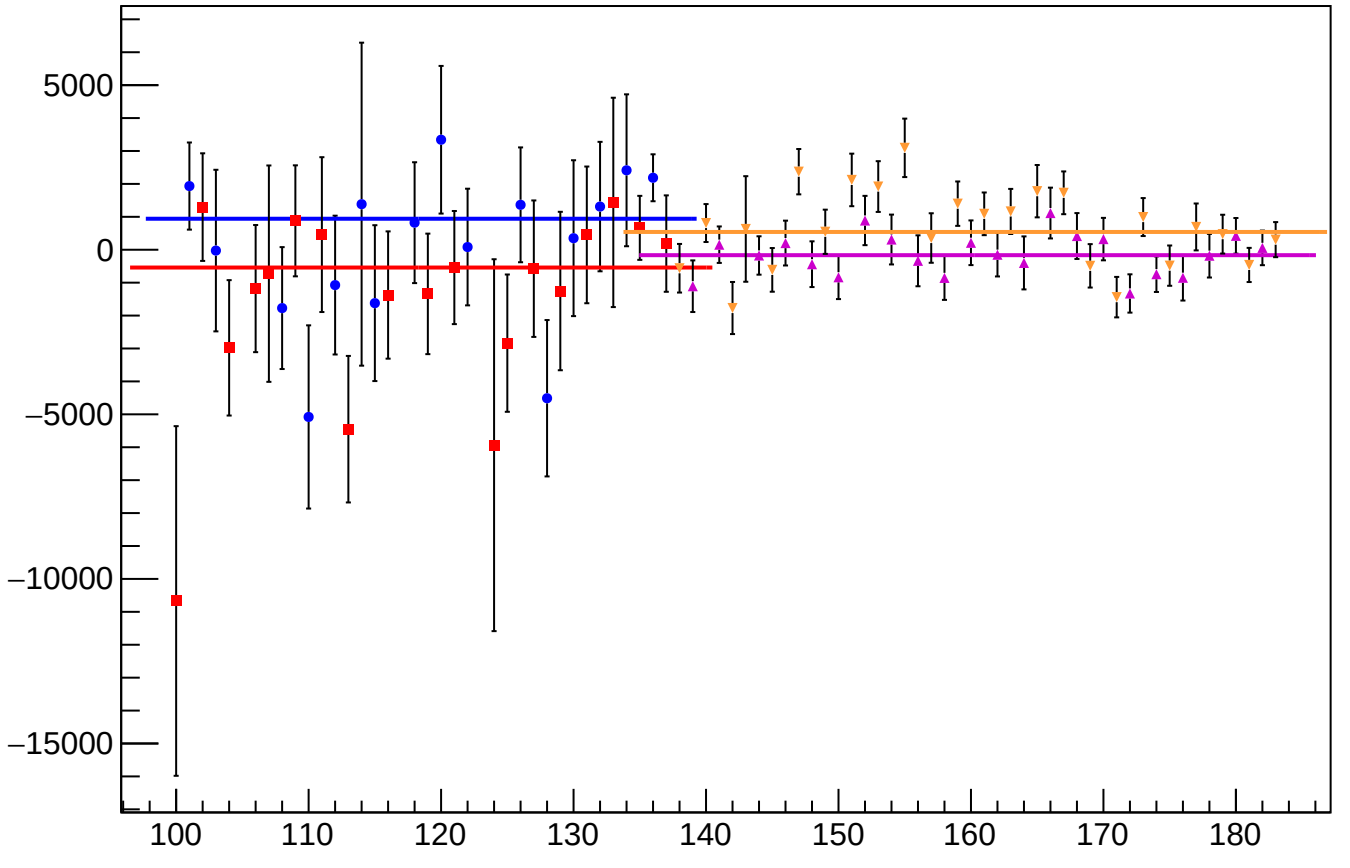
Left: 1239.488+/-0.144 χ^2/NDF: 239936.1/45

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1244.931+/-0.176 χ^2/NDF:566228.1/37

Out: 1253.993+/-0.173 χ^2/NDF:532598.0/42

All: 1249.531+/-0.124 χ^2/NDF: 1100170.4/80



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 540.319+/-137.250 χ^2/NDF:65.7/23

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: 192.327+/-97.700 χ^2/NDF: 97.3/45

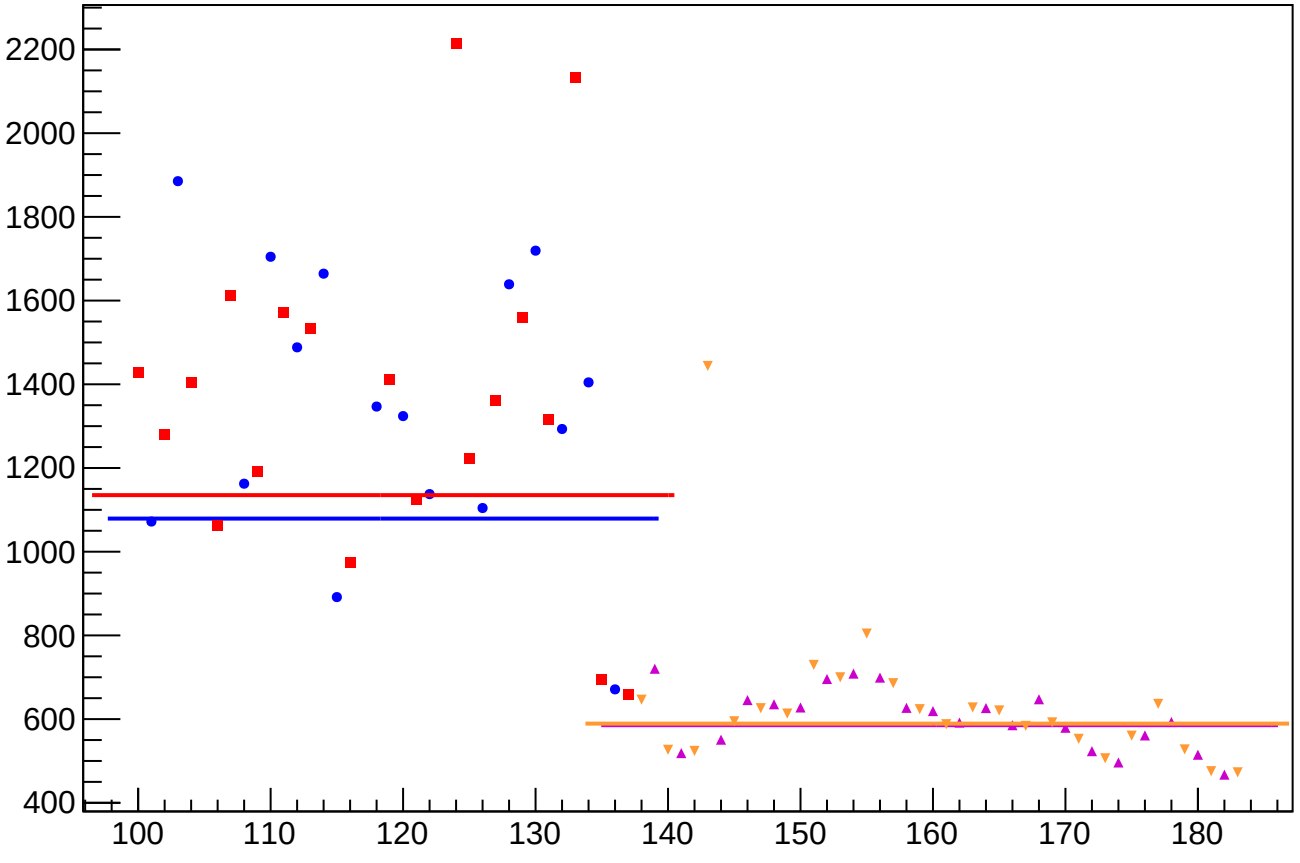
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -58.407+/-132.229 χ^2/NDF:44.6/37

Out: 444.430+/-131.021 χ^2/NDF:88.3/42

All: 195.318+/-93.070 χ^2/NDF: 140.3/80

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: 589.206+/-0.097 χ^2/NDF:1168729.8/23

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 585.445+/-0.098 χ^2/NDF:517567.4/21

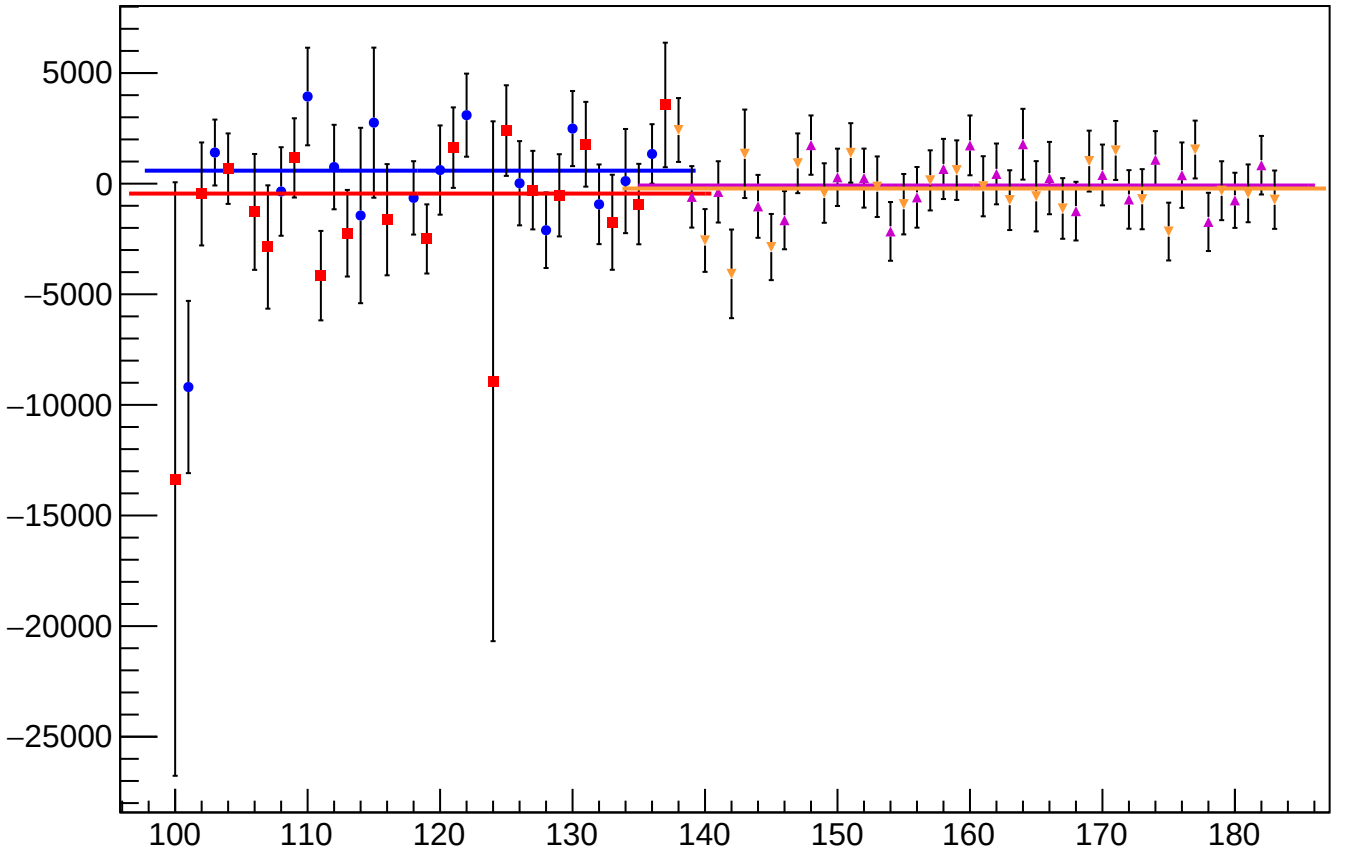
Left: 587.351+/-0.069 χ^2/NDF: 1687038.3/45

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 633.045+/-0.093 χ^2/NDF:4428603.7/37

Out: 637.637+/-0.093 χ^2/NDF:5269072.0/42

All: 635.362+/-0.066 χ^2/NDF: 9698893.0/80



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -219.287+/-285.239 χ^2/NDF:23.9/23

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -84.117+/-290.828 χ^2/NDF:14.6/21

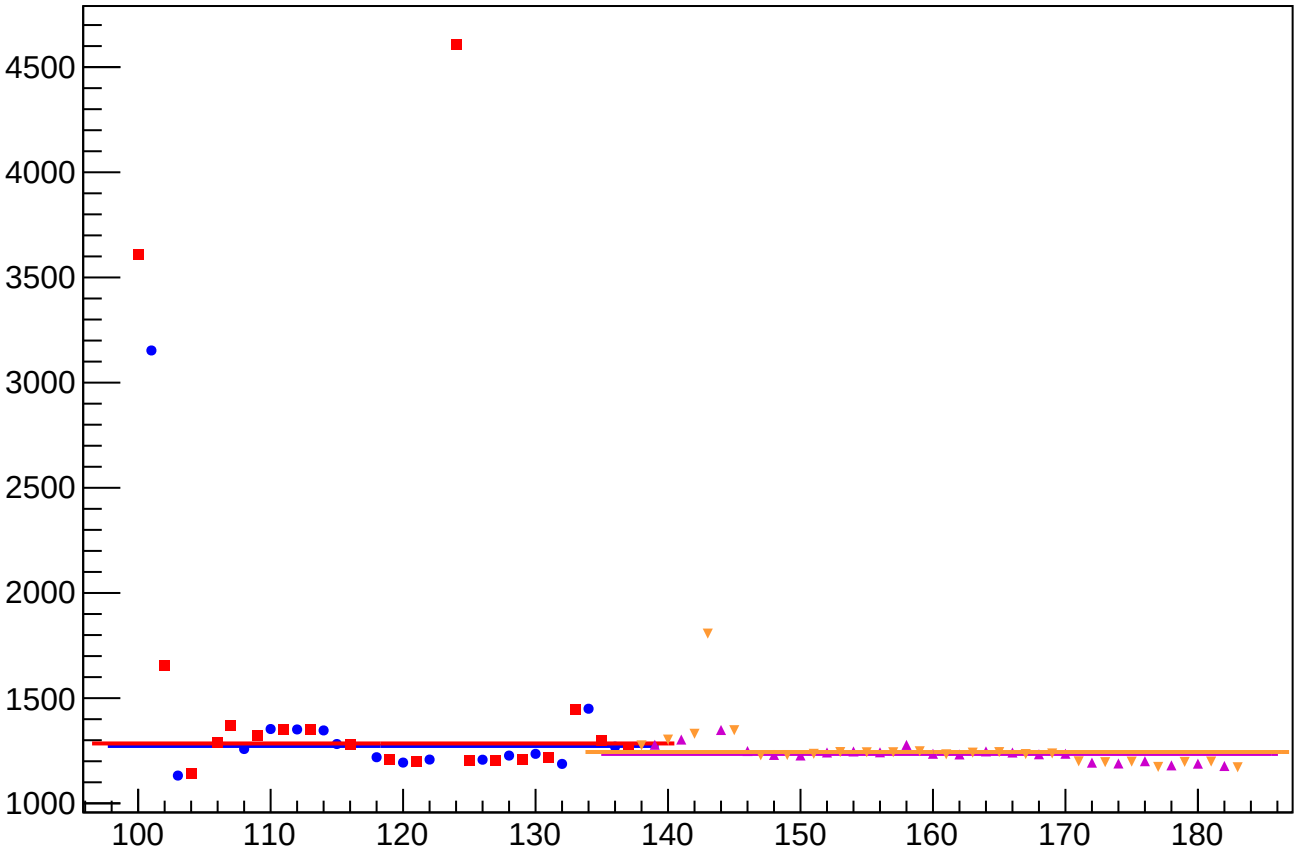
Left: -153.013+/-203.642 χ^2/NDF: 38.7/45

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 94.834+/-249.071 χ^2/NDF:33.1/37

Out: -278.837+/-245.388 χ^2/NDF:40.9/42

All: -94.785+/-174.803 χ^2/NDF: 75.1/80



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1243.996+/-0.202 χ^2/NDF:201089.9/23

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

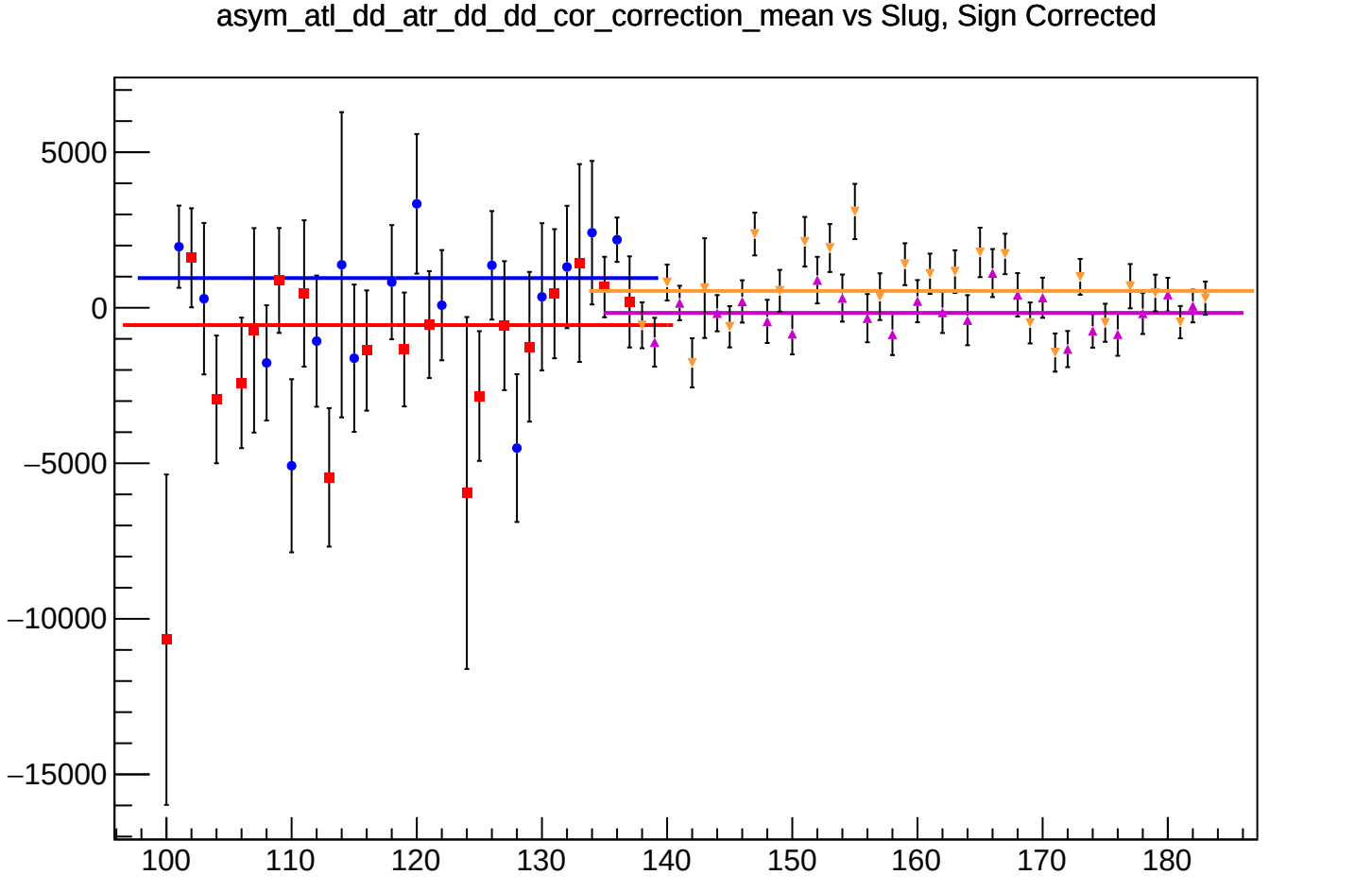
Left: 1239.488+/-0.144 χ^2/NDF: 239936.1/45

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1244.931+/-0.176 χ^2/NDF:566229.4/37

Out: 1254.563+/-0.174 χ^2/NDF:540386.5/42

All: 1249.819+/-0.124 χ^2/NDF: 1108134.0/80



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 540.316+/-137.251 χ^2/NDF:65.7/23

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: 192.322+/-97.700 χ^2/NDF: 97.3/45

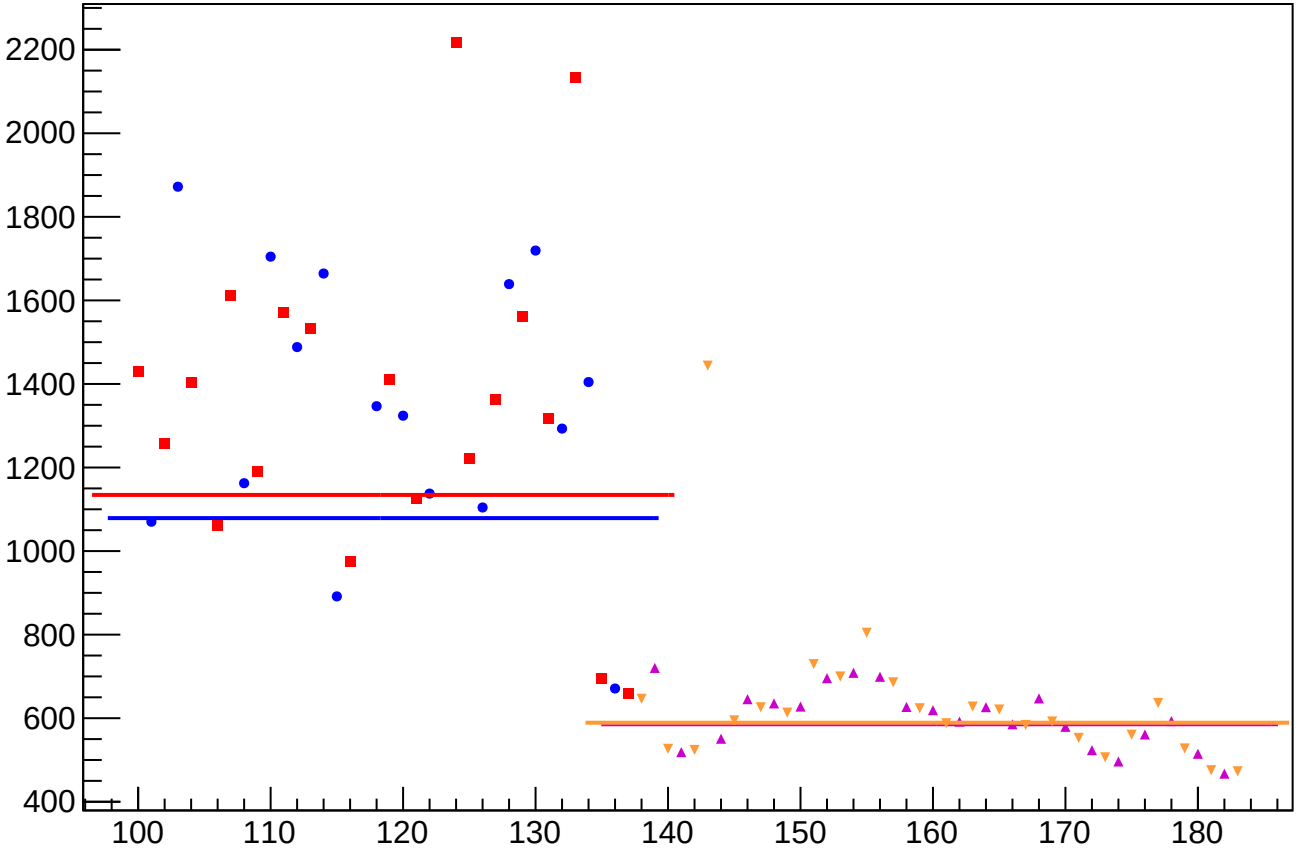
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -57.131+/-132.223 χ^2/NDF:44.7/37

Out: 443.234+/-131.044 χ^2/NDF:89.7/42

All: 195.291+/-93.076 χ^2/NDF: 141.7/80

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: 589.211+/-0.097 χ^2/NDF:1168627.5/23

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.442+/-0.098 χ^2/NDF:517584.9/21

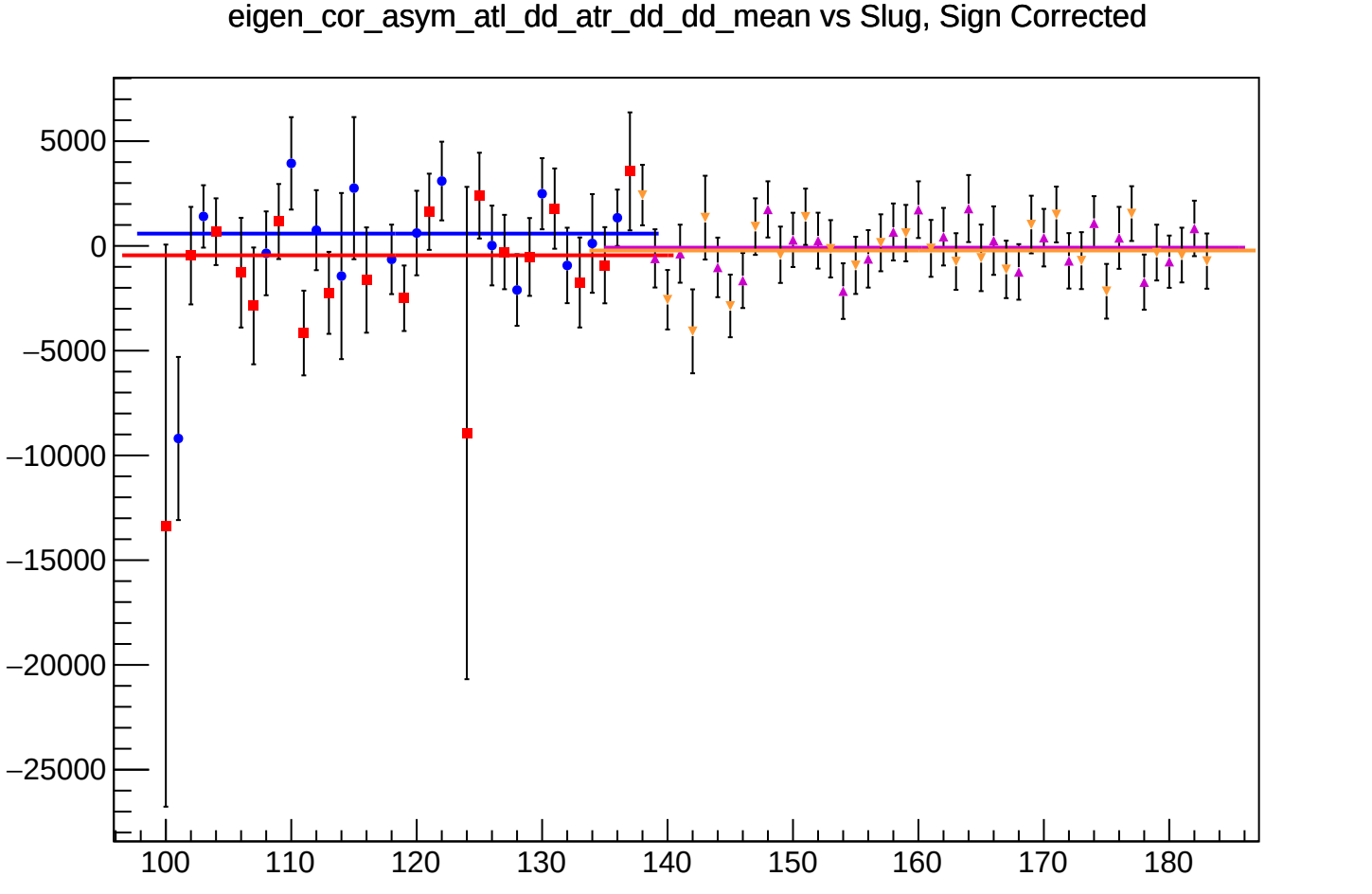
Left: 587.352+/-0.069 χ^2/NDF: 1686956.5/45

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 633.059+/-0.093 χ^2/NDF:4425108.5/37

Out: 637.407+/-0.093 χ^2/NDF:5247329.7/42

All: 635.252+/-0.066 χ^2/NDF: 9673529.0/80



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -219.287+/-285.239 χ^2/NDF:23.9/23

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -84.117+/-290.828 χ^2/NDF:14.6/21

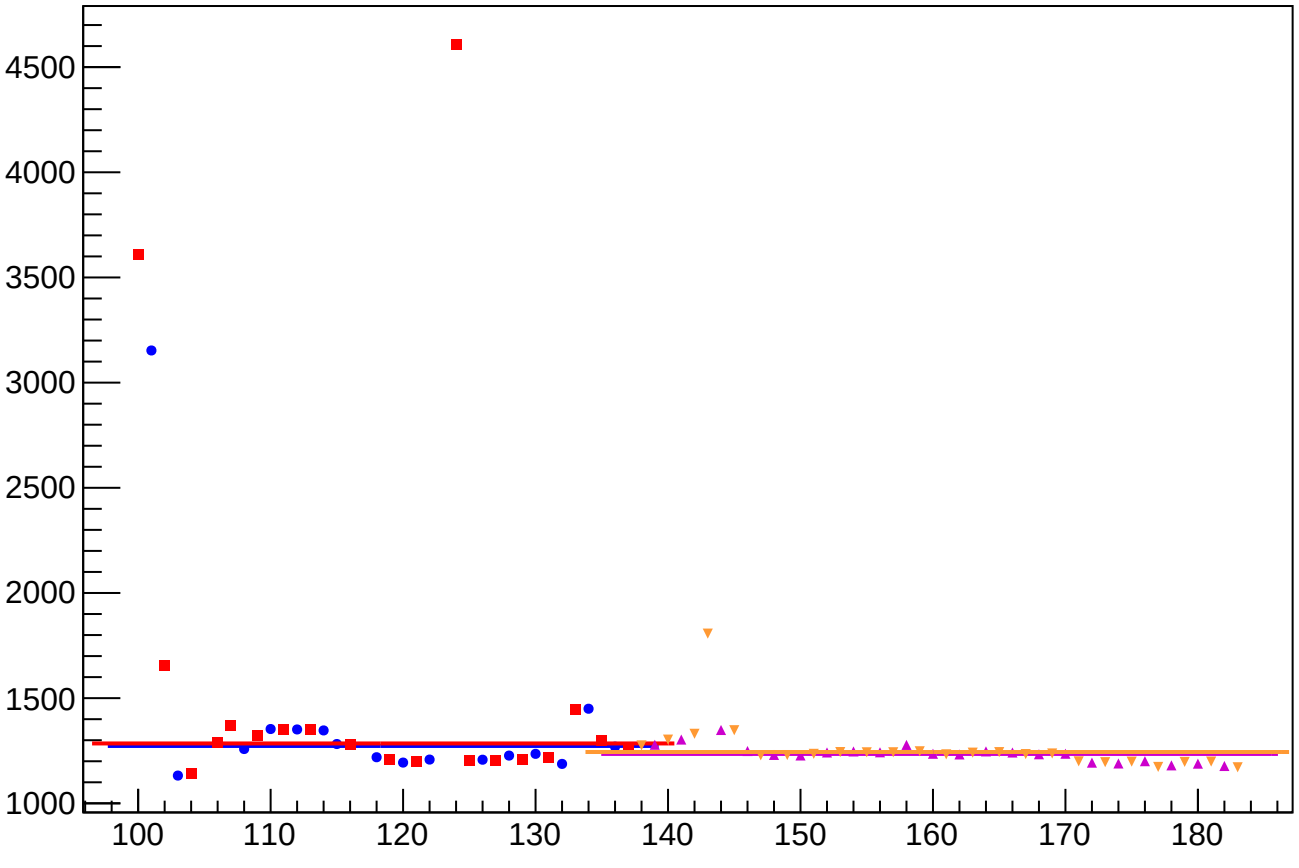
Left: -153.013+/-203.642 χ^2/NDF: 38.7/45

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 94.834+/-249.071 χ^2/NDF:33.1/37

Out: -278.837+/-245.388 χ^2/NDF:40.9/42

All: -94.785+/-174.803 χ^2/NDF: 75.1/80



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1243.996+/-0.202 χ^2/NDF:201089.9/23

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: 1239.488+/-0.144 χ^2/NDF: 239936.1/45

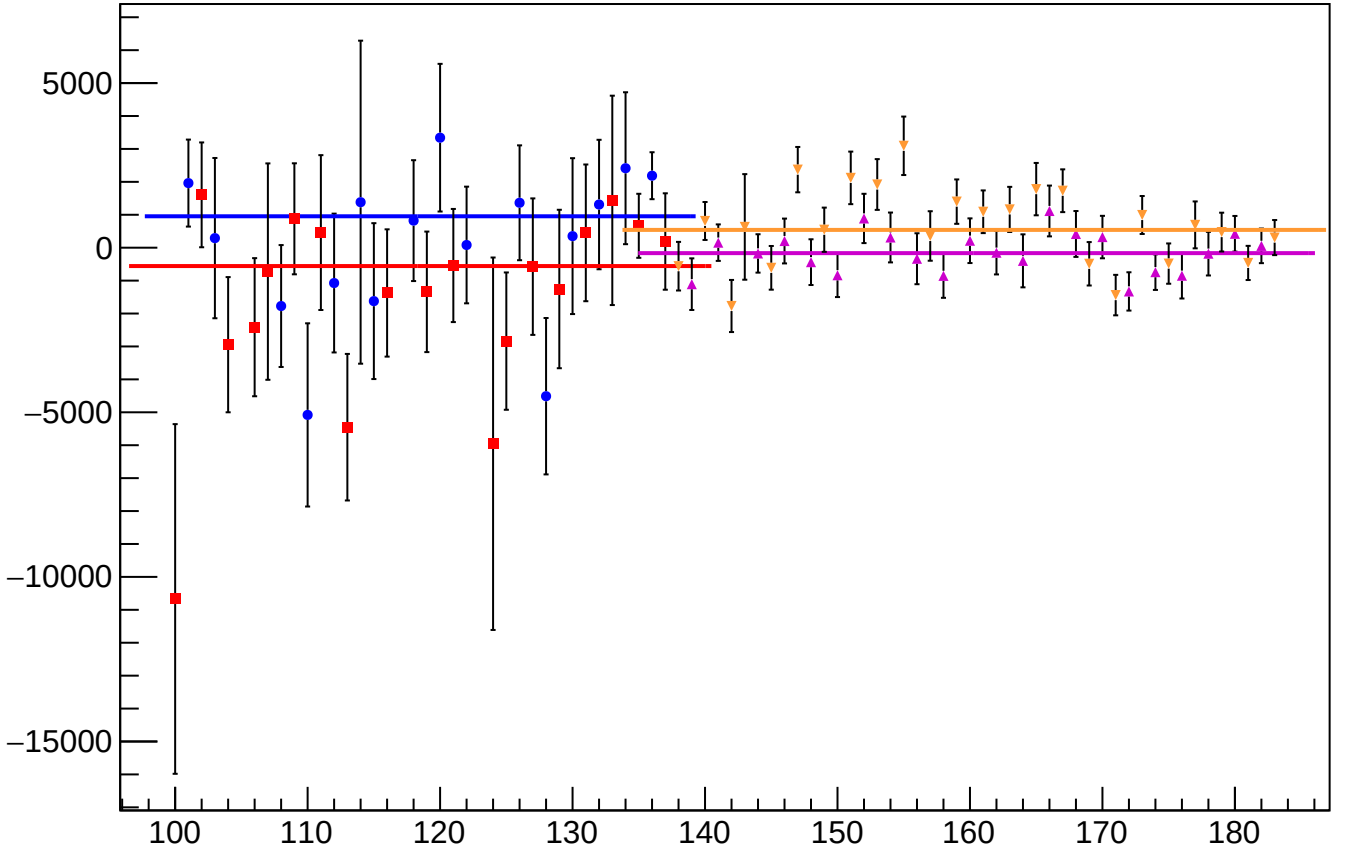
Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1244.931+/-0.176 χ^2/NDF:566229.4/37

Out: 1254.563+/-0.174 χ^2/NDF:540386.5/42

All: 1249.819+/-0.124 χ^2/NDF: 1108134.0/80

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 540.316+/-137.251 χ^2/NDF:65.7/23

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: 192.322+/-97.700 χ^2/NDF: 97.3/45

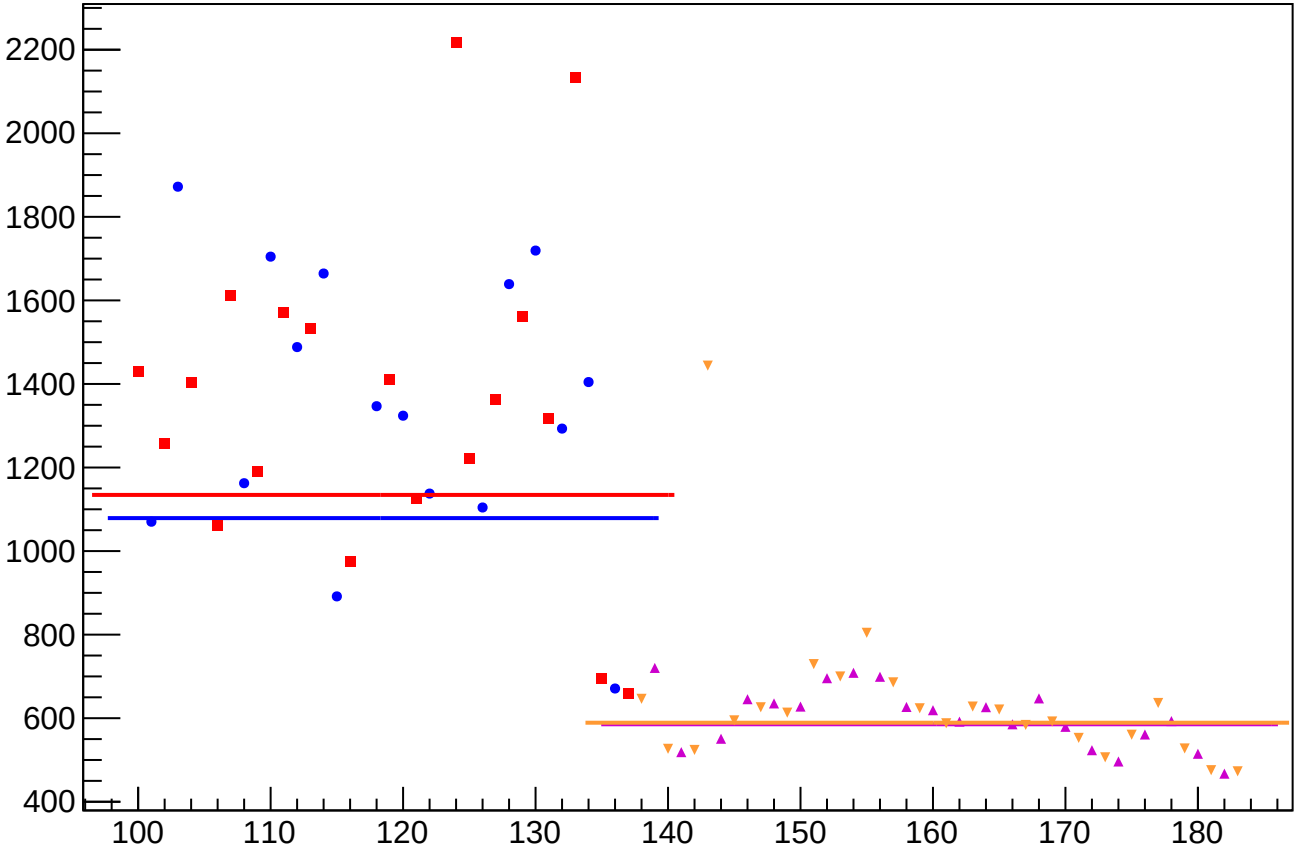
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -57.131+/-132.223 χ^2/NDF:44.7/37

Out: 443.234+/-131.044 χ^2/NDF:89.7/42

All: 195.291+/-93.076 χ^2/NDF: 141.7/80

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: 589.211+/-0.097 χ^2/NDF:1168627.5/23

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.442+/-0.098 χ^2/NDF:517584.9/21

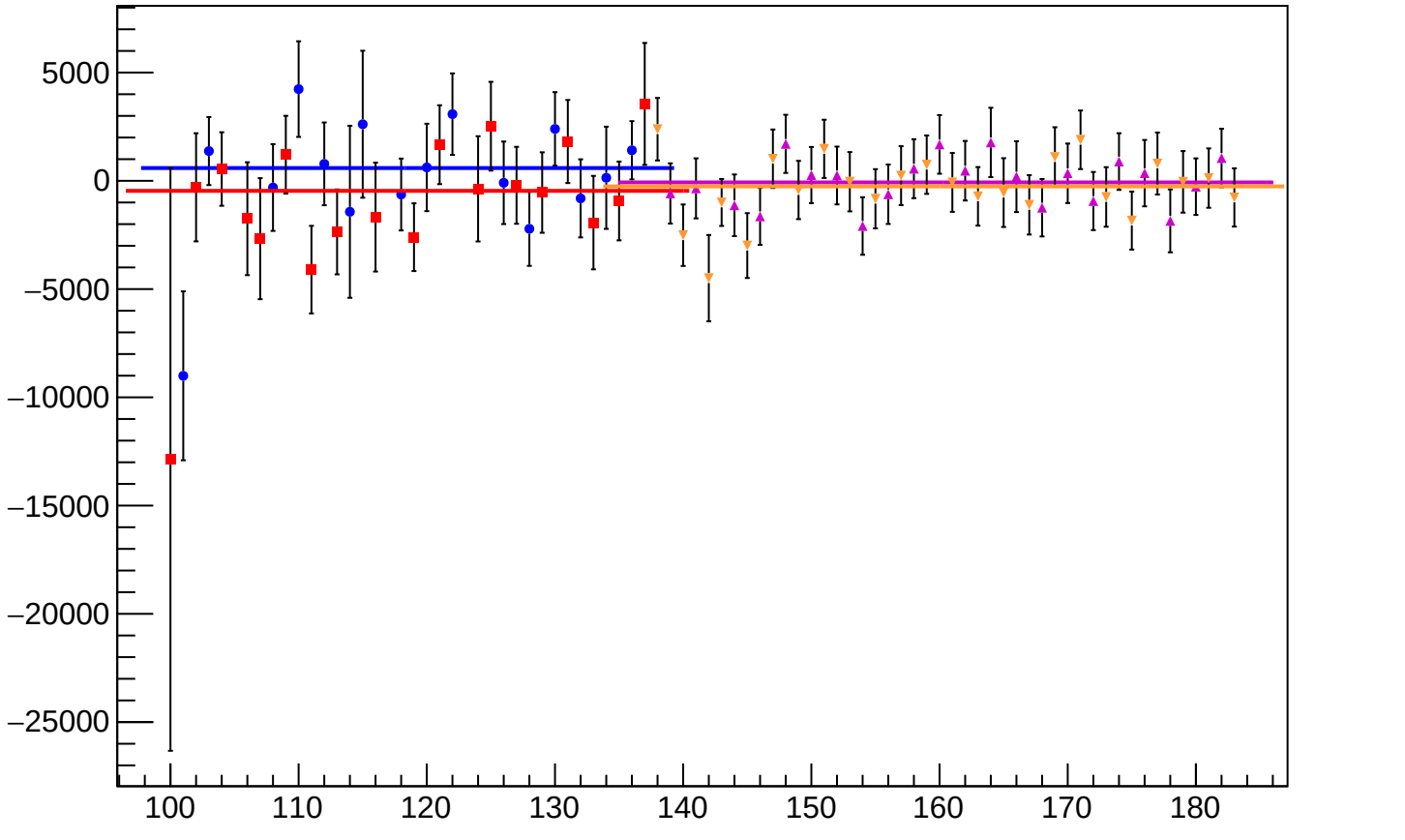
Left: 587.352+/-0.069 χ^2/NDF: 1686956.5/45

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 633.059+/-0.093 χ^2/NDF:4425108.5/37

Out: 637.407+/-0.093 χ^2/NDF:5247329.7/42

All: 635.252+/-0.066 χ^2/NDF: 9673529.0/80



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -256.613+/-281.964 χ^2/NDF:24.0/23

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -73.636+/-294.072 χ^2/NDF:14.0/21

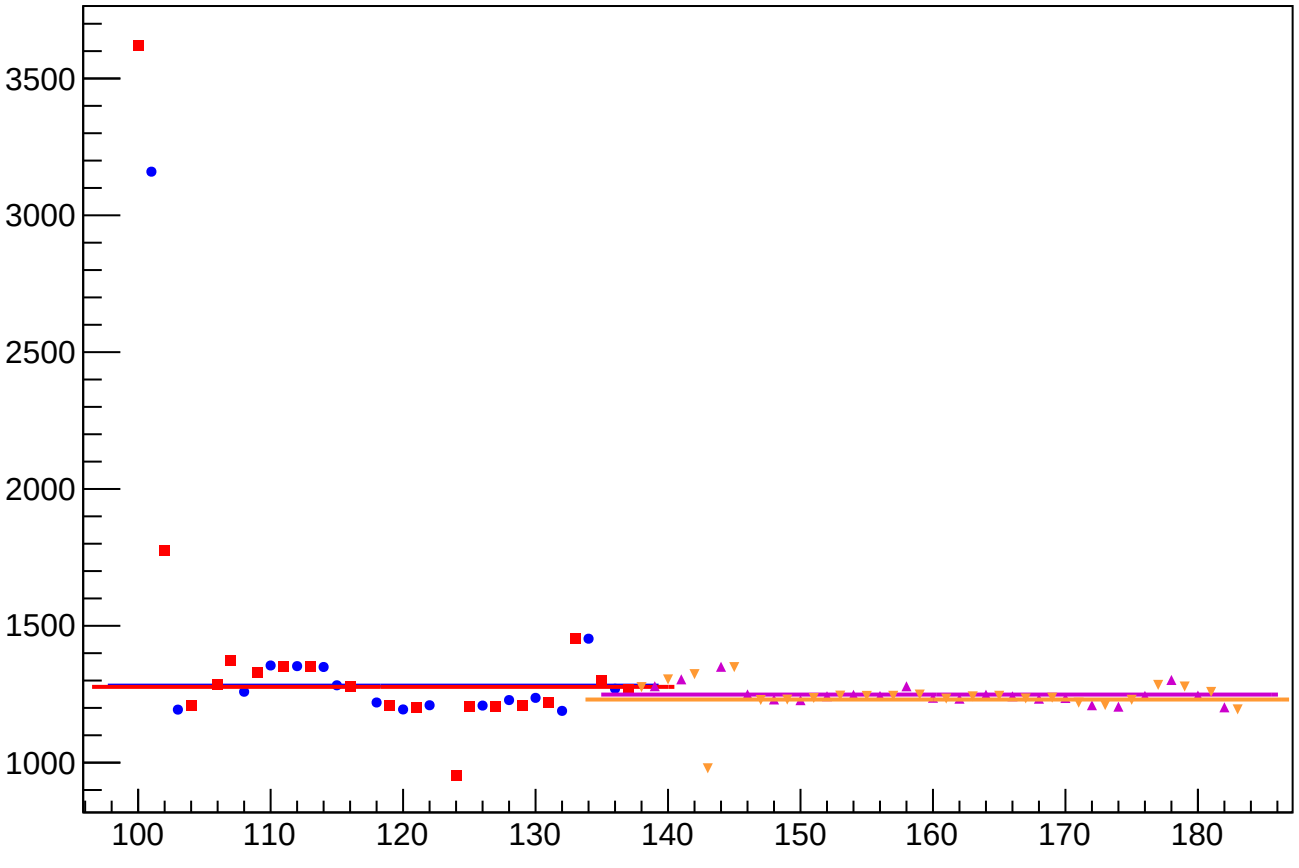
Left: -168.969+/-203.525 χ^2/NDF: 38.2/45

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 104.586+/-251.527 χ^2/NDF:32.5/37

Out: -309.987+/-242.701 χ^2/NDF:40.8/42

All: -110.101+/-174.652 χ^2/NDF: 74.7/80



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1230.615+/-0.199 χ^2/NDF:140919.0/23

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1248.730+/-0.208 χ^2/NDF:26173.3/21

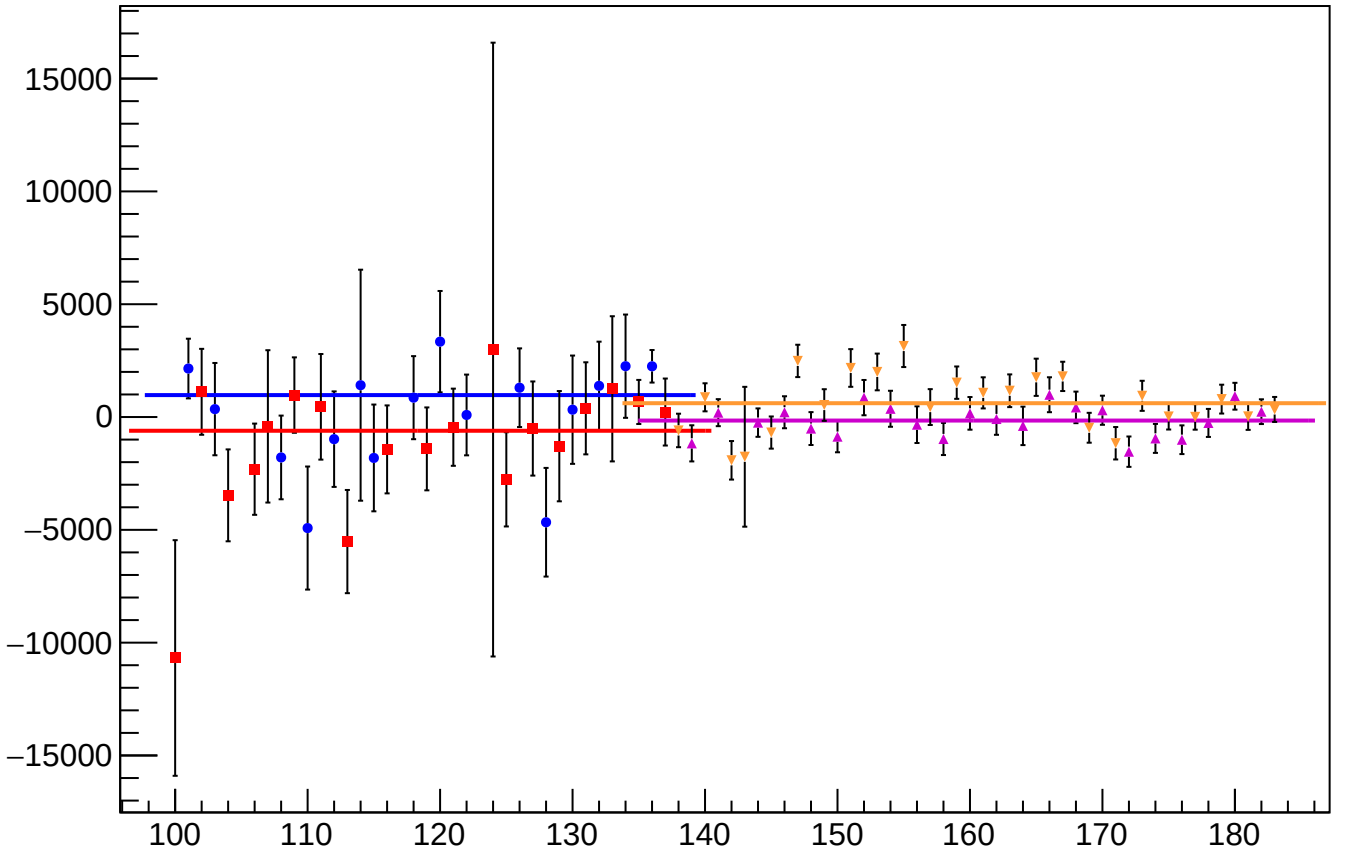
Left: 1239.292+/-0.144 χ^2/NDF: 171046.8/45

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1257.491+/-0.178 χ^2/NDF:539864.7/37

Out: 1242.597+/-0.172 χ^2/NDF:375372.8/42

All: 1249.778+/-0.123 χ^2/NDF: 918869.1/80



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 612.814+/-143.744 χ^2/NDF:56.6/23

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: 234.799+/-102.496 χ^2/NDF: 92.7/45

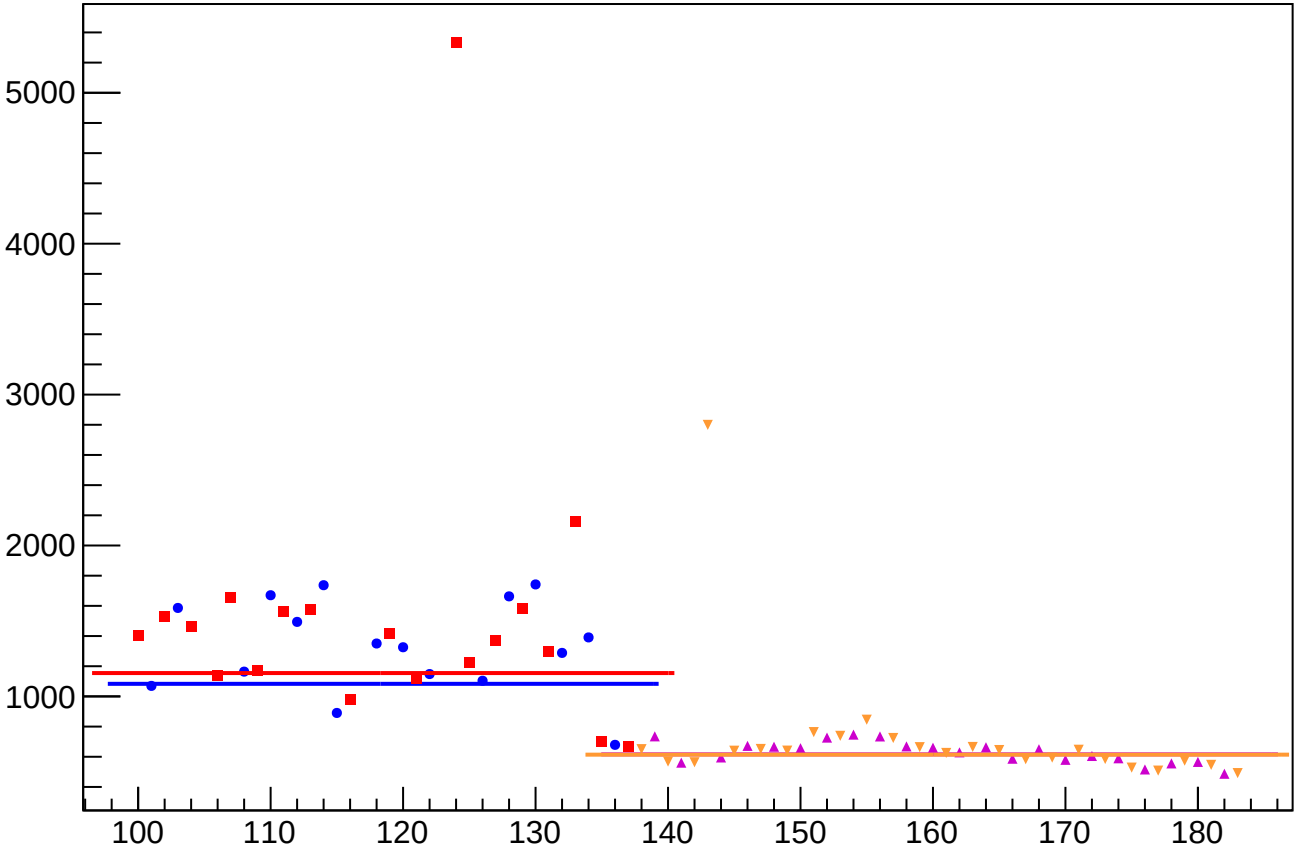
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: -36.905+/-138.247 χ^2/NDF:48.7/37

Out: 498.701+/-136.863 χ^2/NDF:80.5/42

All: 233.592+/-97.263 χ^2/NDF: 136.8/80

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 613.995+/-0.102 χ^2/NDF:1582623.8/23

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 615.957+/-0.103 χ^2/NDF:464038.0/21

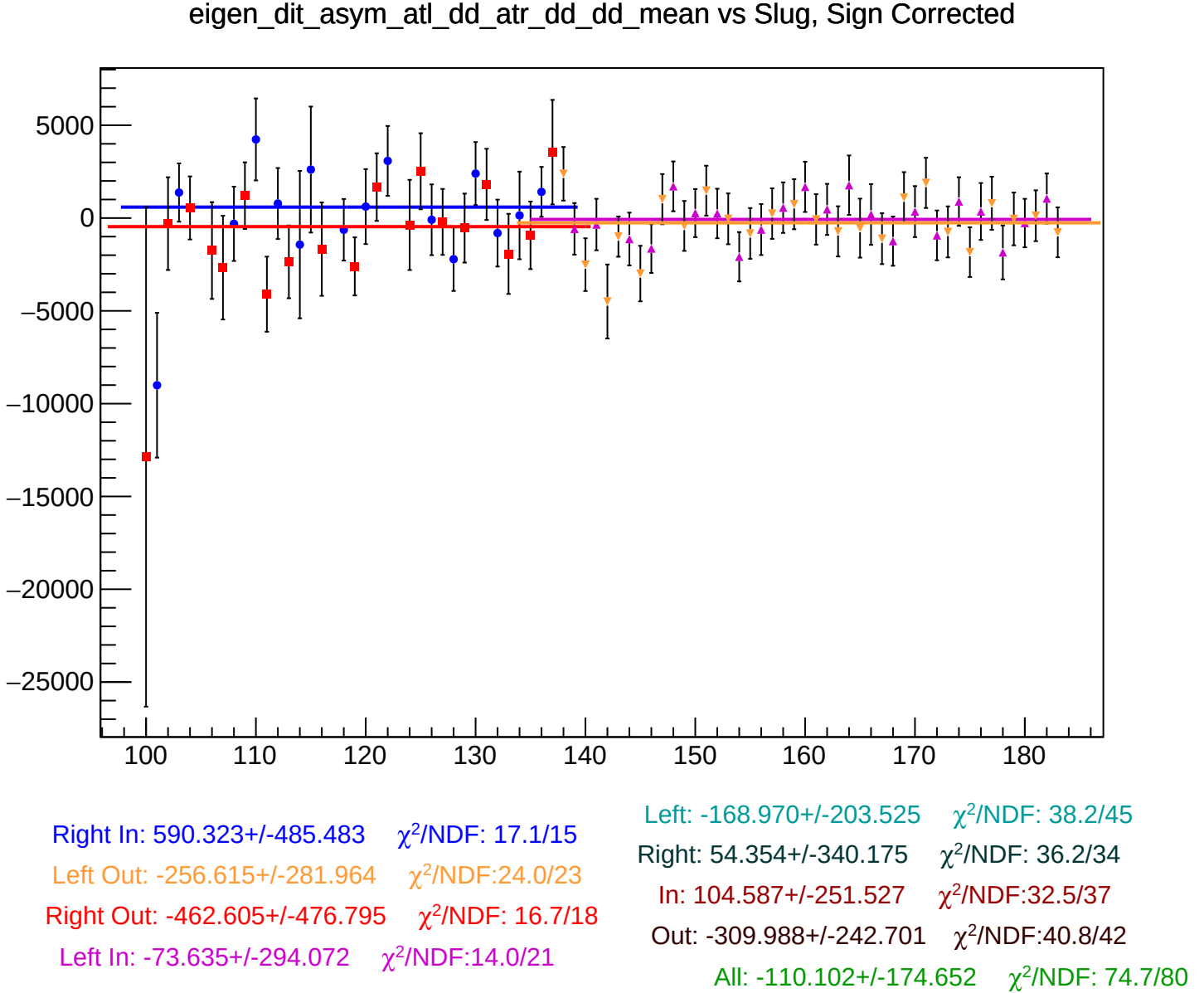
Left: 614.960+/-0.072 χ^2/NDF: 2046844.9/45

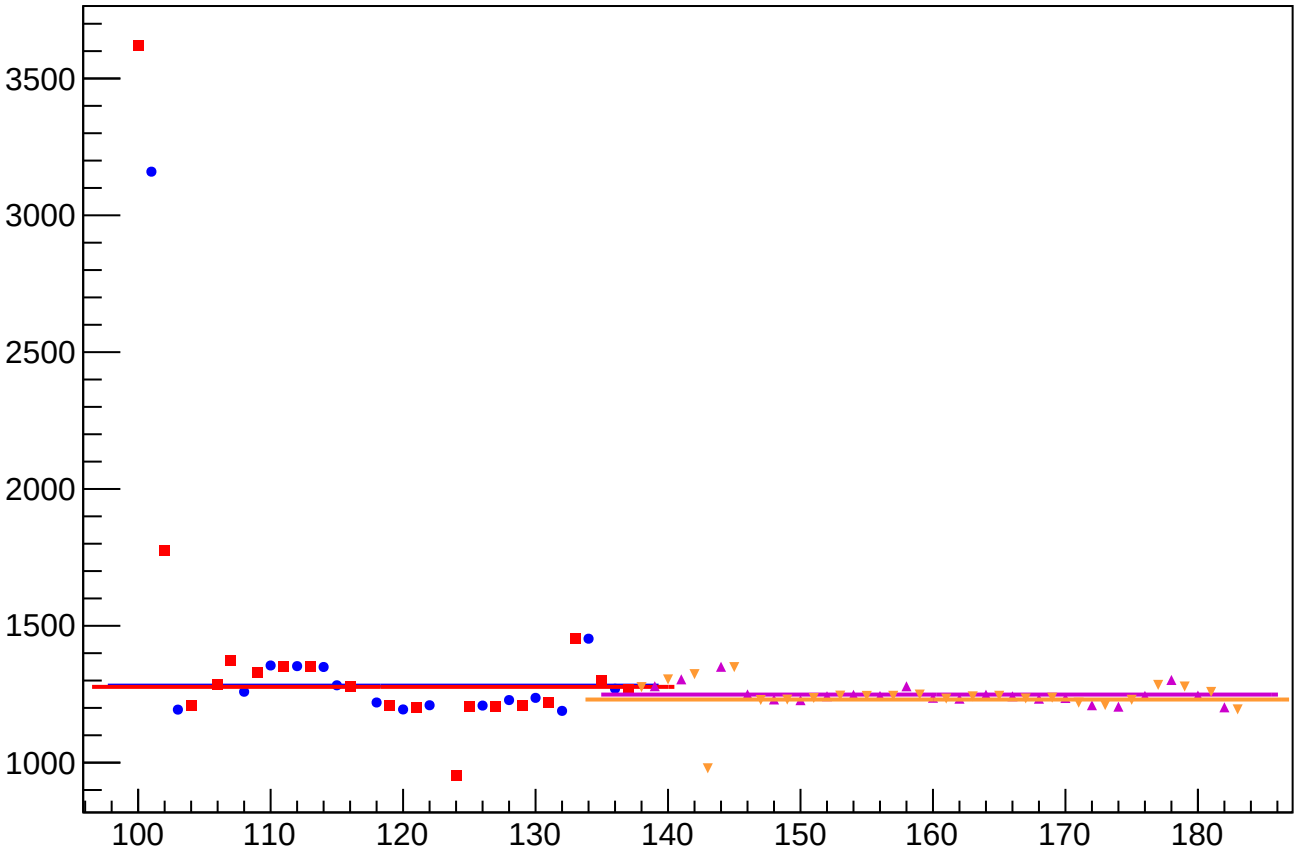
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 665.361+/-0.098 χ^2/NDF:3985029.8/37

Out: 664.521+/-0.097 χ^2/NDF:5715439.6/42

All: 664.937+/-0.069 χ^2/NDF: 9700506.6/80


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -256.615+/-281.964 χ²/NDF:24.0/23
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -73.635+/-294.072 χ²/NDF:14.0/21
Left: -168.970+/-203.525 χ²/NDF: 38.2/45
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 104.587+/-251.527 χ²/NDF:32.5/37
Out: -309.988+/-242.701 χ²/NDF:40.8/42
All: -110.102+/-174.652 χ²/NDF: 74.7/80



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1230.614+/-0.199 χ^2/NDF:140918.1/23

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: 1239.292+/-0.144 χ^2/NDF: 171045.7/45

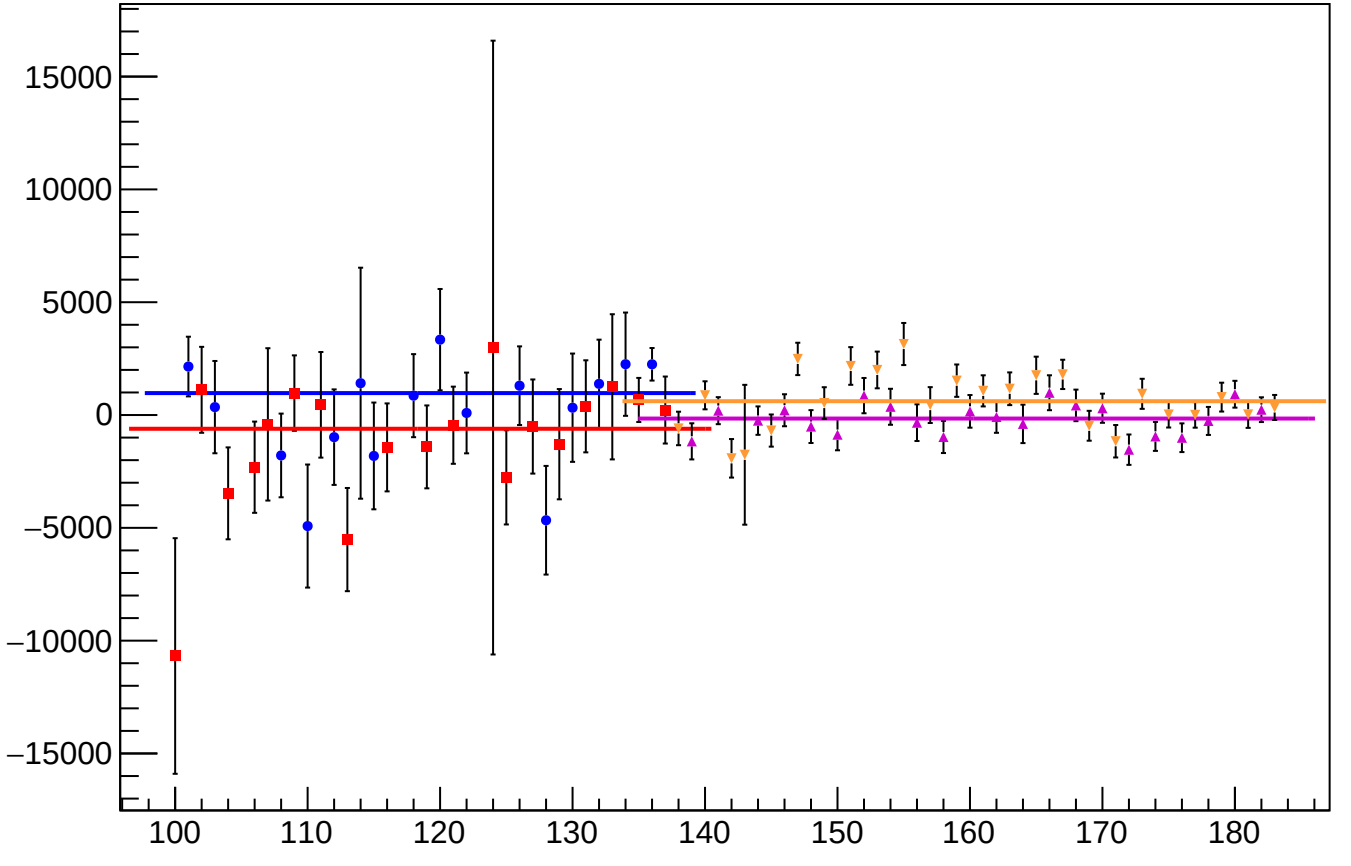
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1257.491+/-0.178 χ^2/NDF:539864.8/37

Out: 1242.597+/-0.172 χ^2/NDF:375371.7/42

All: 1249.778+/-0.123 χ^2/NDF: 918868.1/80

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 612.814+/-143.743 χ^2/NDF:56.6/23

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: 234.799+/-102.496 χ^2/NDF: 92.7/45

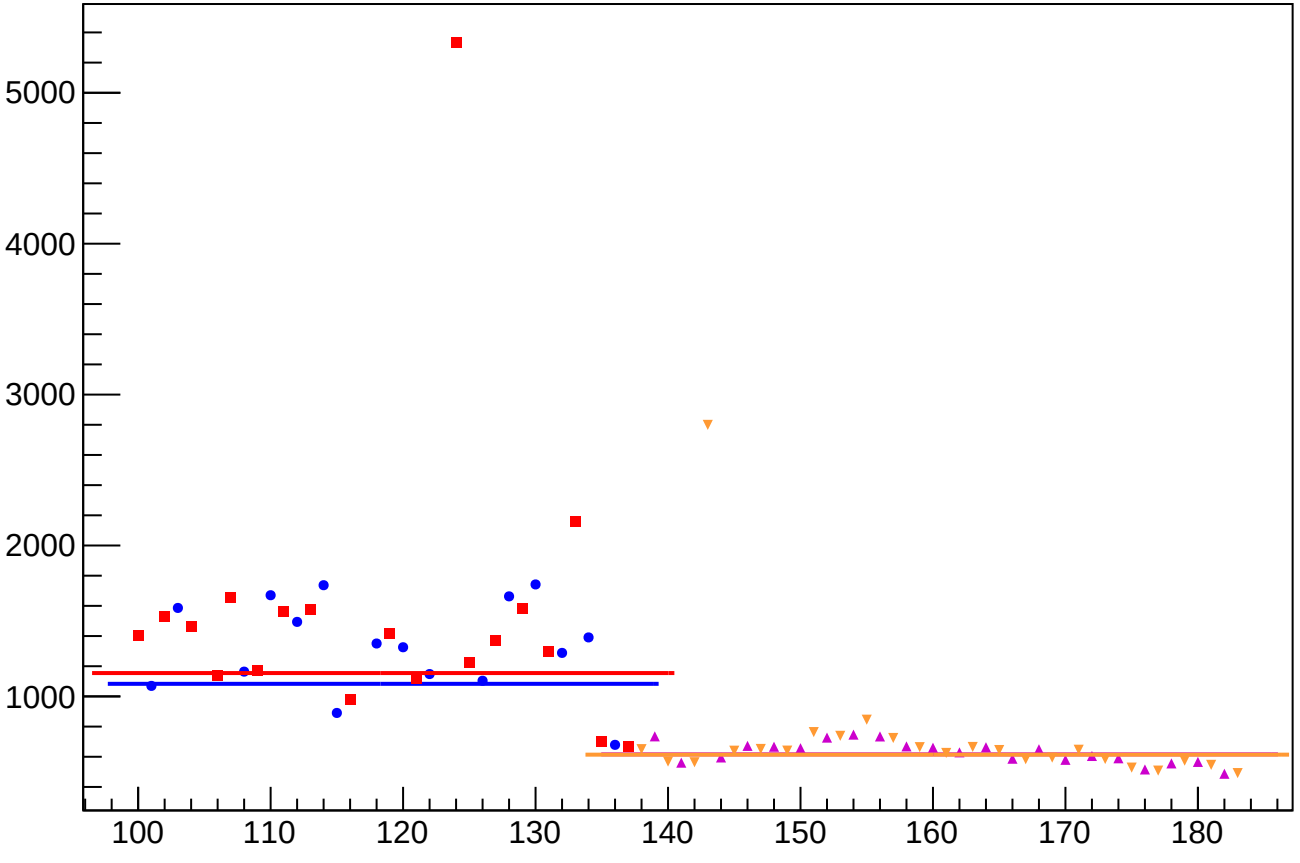
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: -36.906+/-138.247 χ^2/NDF:48.7/37

Out: 498.701+/-136.863 χ^2/NDF:80.5/42

All: 233.592+/-97.262 χ^2/NDF: 136.8/80

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: 613.995+/-0.102 χ^2/NDF:1582621.3/23

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: 614.959+/-0.072 χ^2/NDF: 2046845.4/45

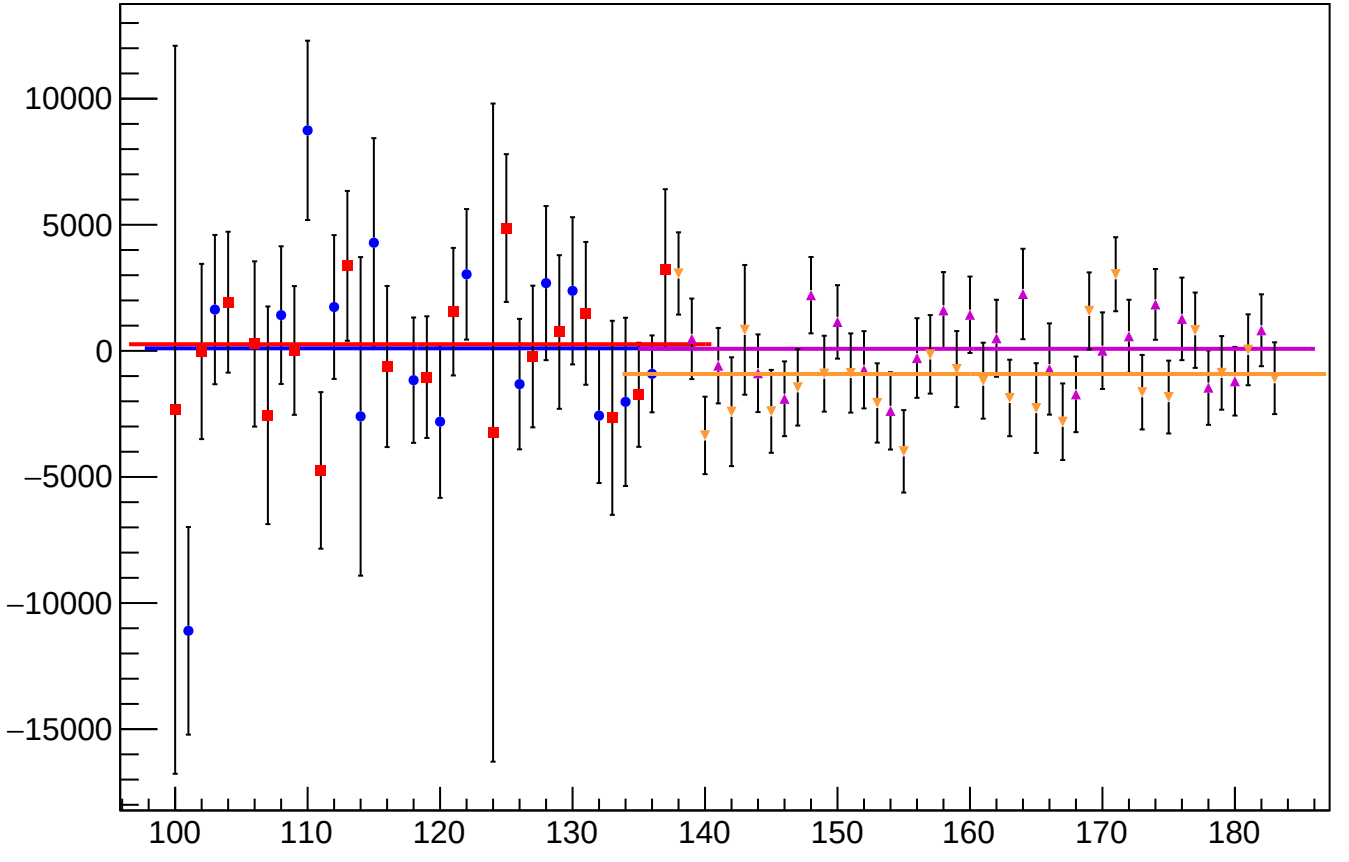
Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 665.360+/-0.098 χ^2/NDF:3985027.3/37

Out: 664.521+/-0.097 χ^2/NDF:5715437.6/42

All: 664.936+/-0.069 χ^2/NDF: 9700502.1/80

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -916.306+/-319.076 χ^2/NDF:29.7/23

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: -425.491+/-227.359 χ^2/NDF: 51.8/45

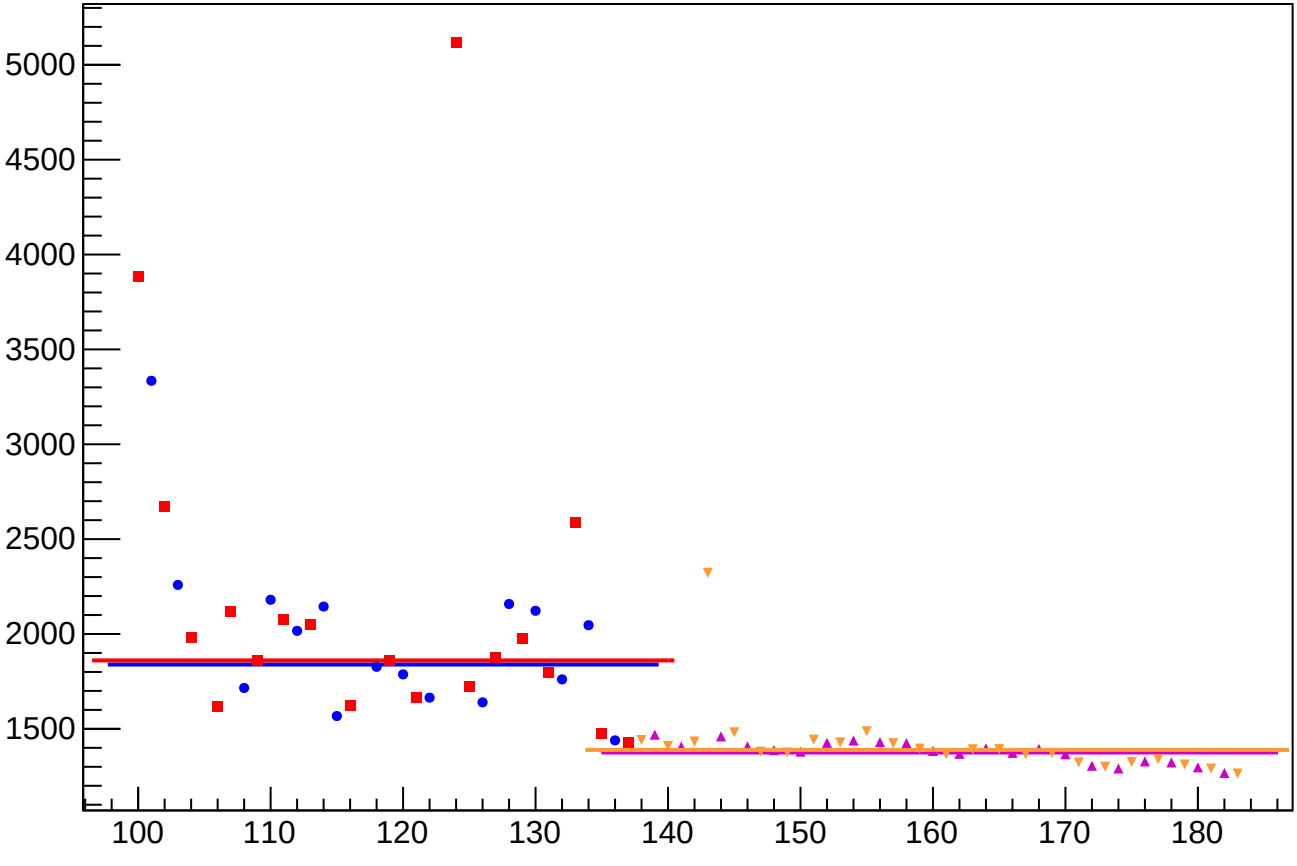
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 84.233+/-293.993 χ^2/NDF:38.6/37

Out: -713.343+/-290.317 χ^2/NDF:42.3/42

All: -319.573+/-206.573 χ^2/NDF: 84.7/80

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: 1388.982+/-0.226 χ^2/NDF:334320.1/23

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1375.341+/-0.229 χ^2/NDF:59984.1/21

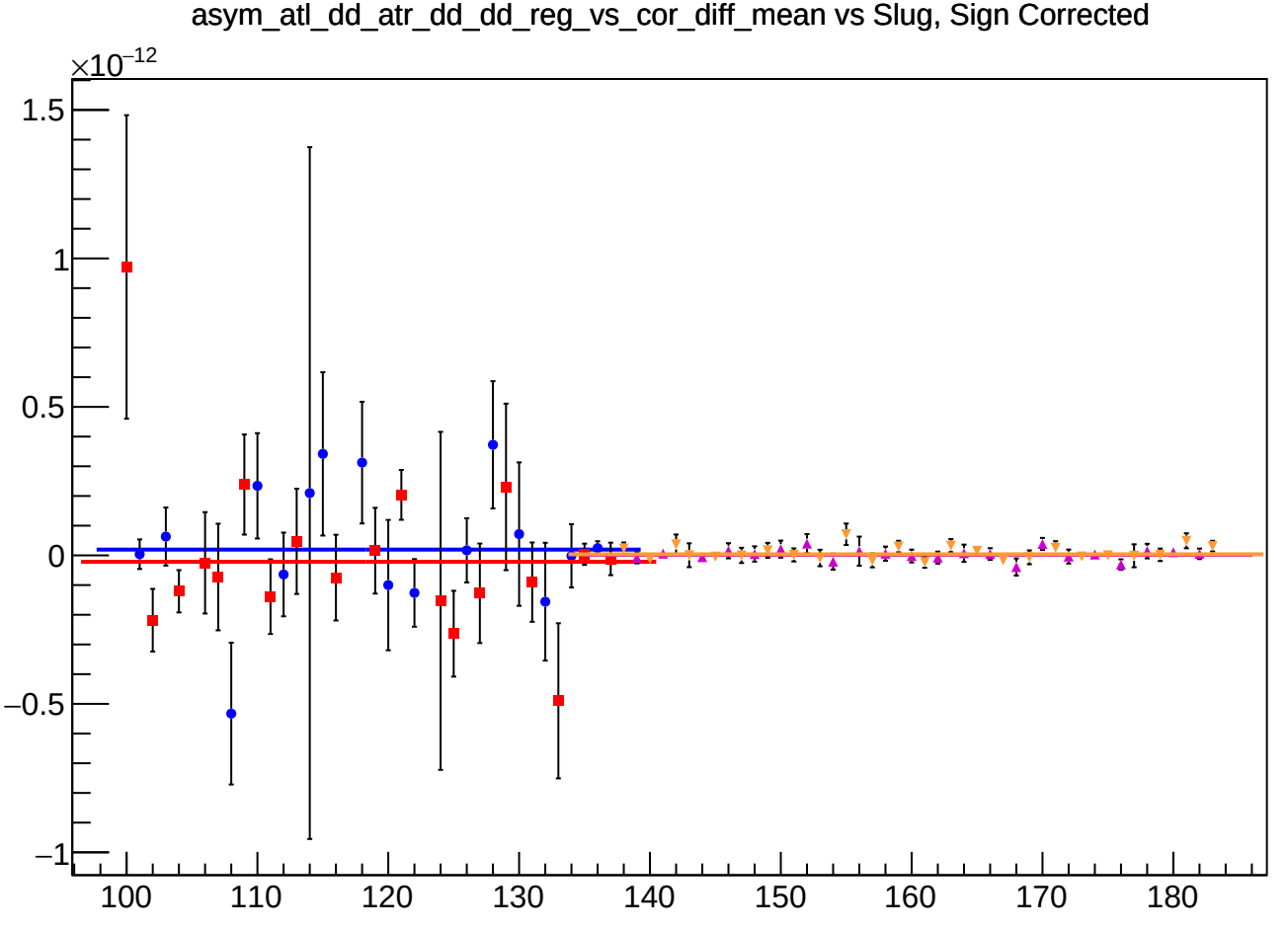
Left: 1382.267+/-0.161 χ^2/NDF: 396103.7/45

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1457.385+/-0.208 χ^2/NDF:1341406.9/37

Out: 1470.196+/-0.205 χ^2/NDF:1609100.9/42

All: 1463.871+/-0.146 χ^2/NDF: 2952430.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/23

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: 38.3/45

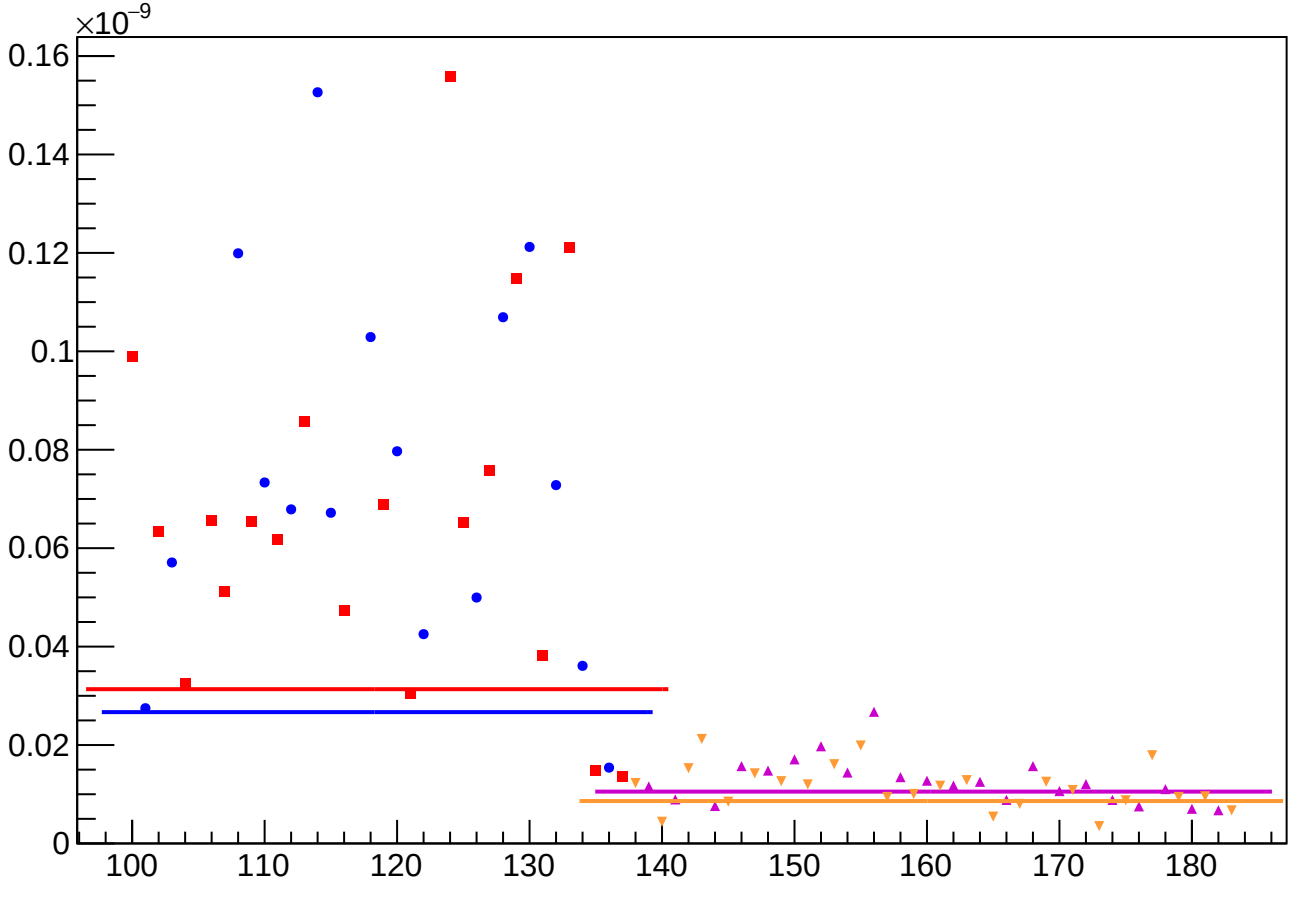
Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.8/37

Out: 0.000+/-0.000 χ^2/NDF:54.2/42

All: 0.000+/-0.000 χ^2/NDF: 85.0/80

asym_atl_dd_atr_dd_dd_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:2142721.5/23

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: 3591531.2/45

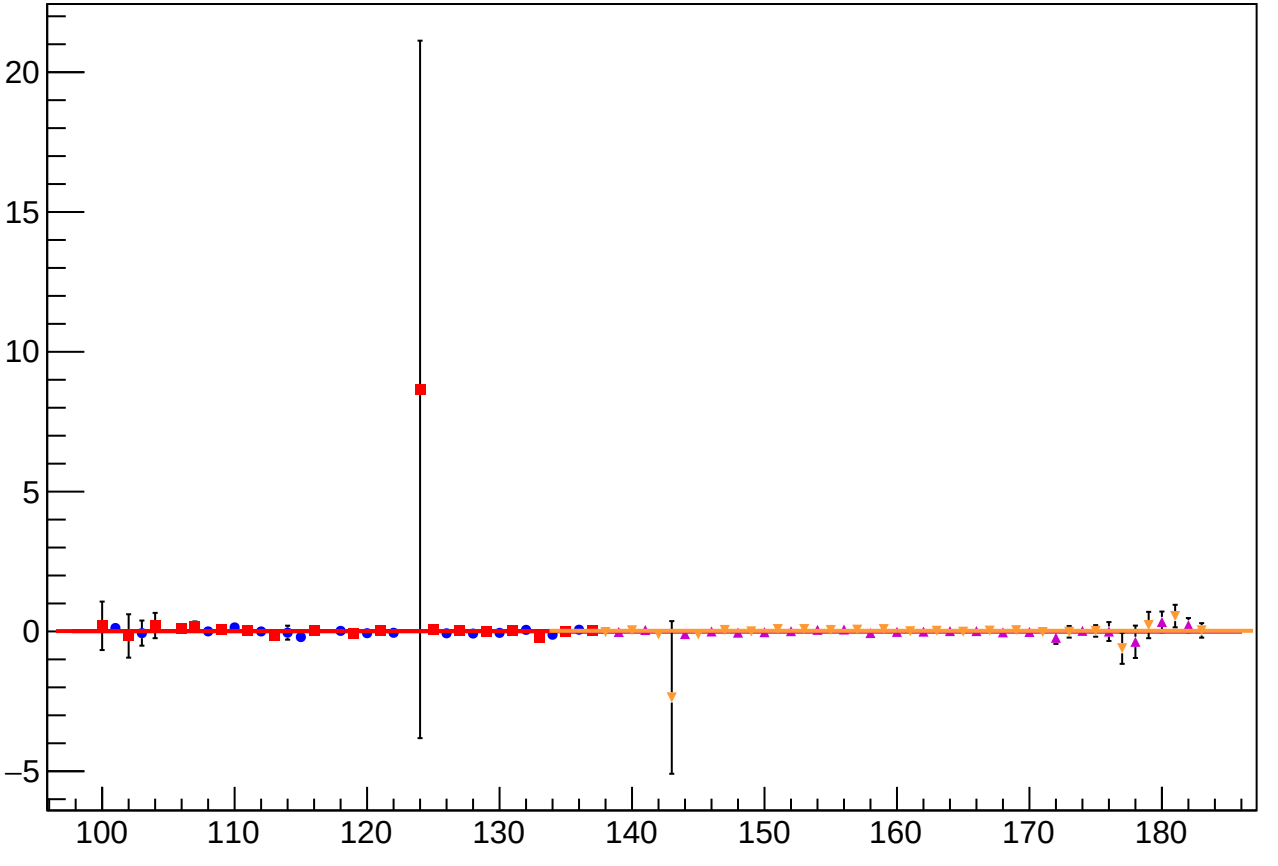
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:5211262.5/37

Out: 0.000+/-0.000 χ^2/NDF:6437879.8/42

All: 0.000+/-0.000 χ^2/NDF: 11923217.2/80

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:21.3/23

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: 40.6/45

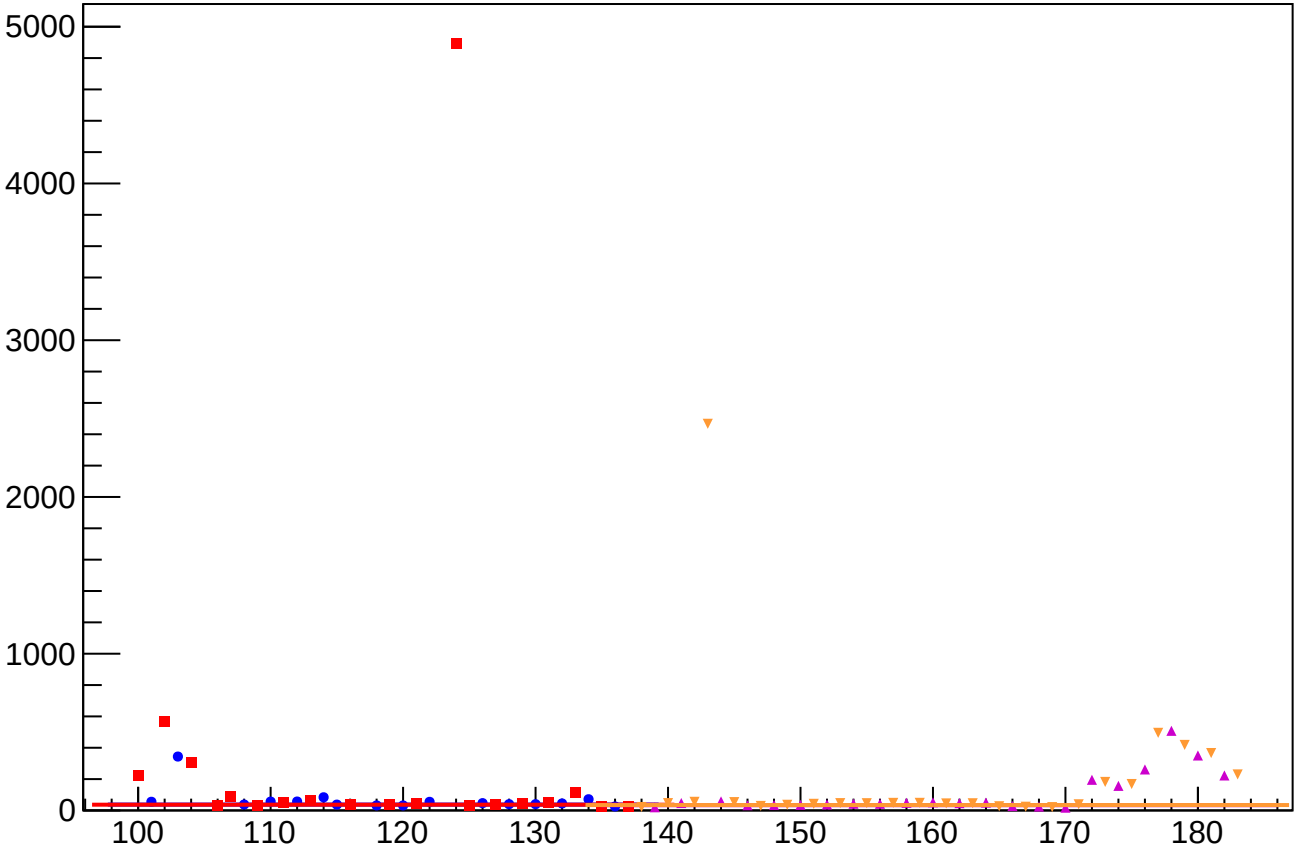
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:34.2/37

Out: 0.020+/-0.009 χ^2/NDF:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 72.5/80

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: 34.518+/-0.007 χ^2/NDF:11039981.4/23

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: 33.983+/-0.005 χ^2/NDF: 20702002.2/45

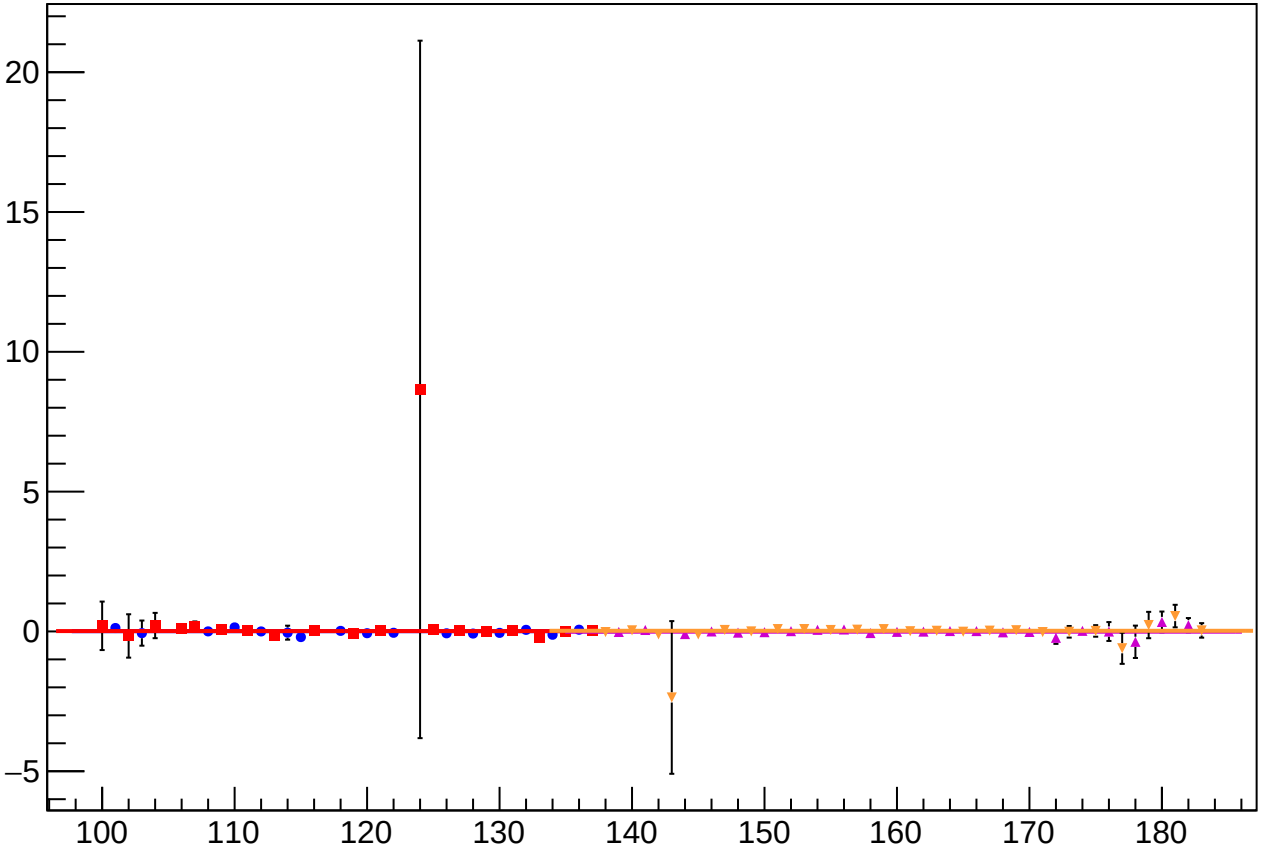
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.587+/-0.006 χ^2/NDF:11724984.5/37

Out: 35.134+/-0.006 χ^2/NDF:14257280.0/42

All: 34.853+/-0.004 χ^2/NDF: 25986332.1/80

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:21.3/23

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:14.0/21

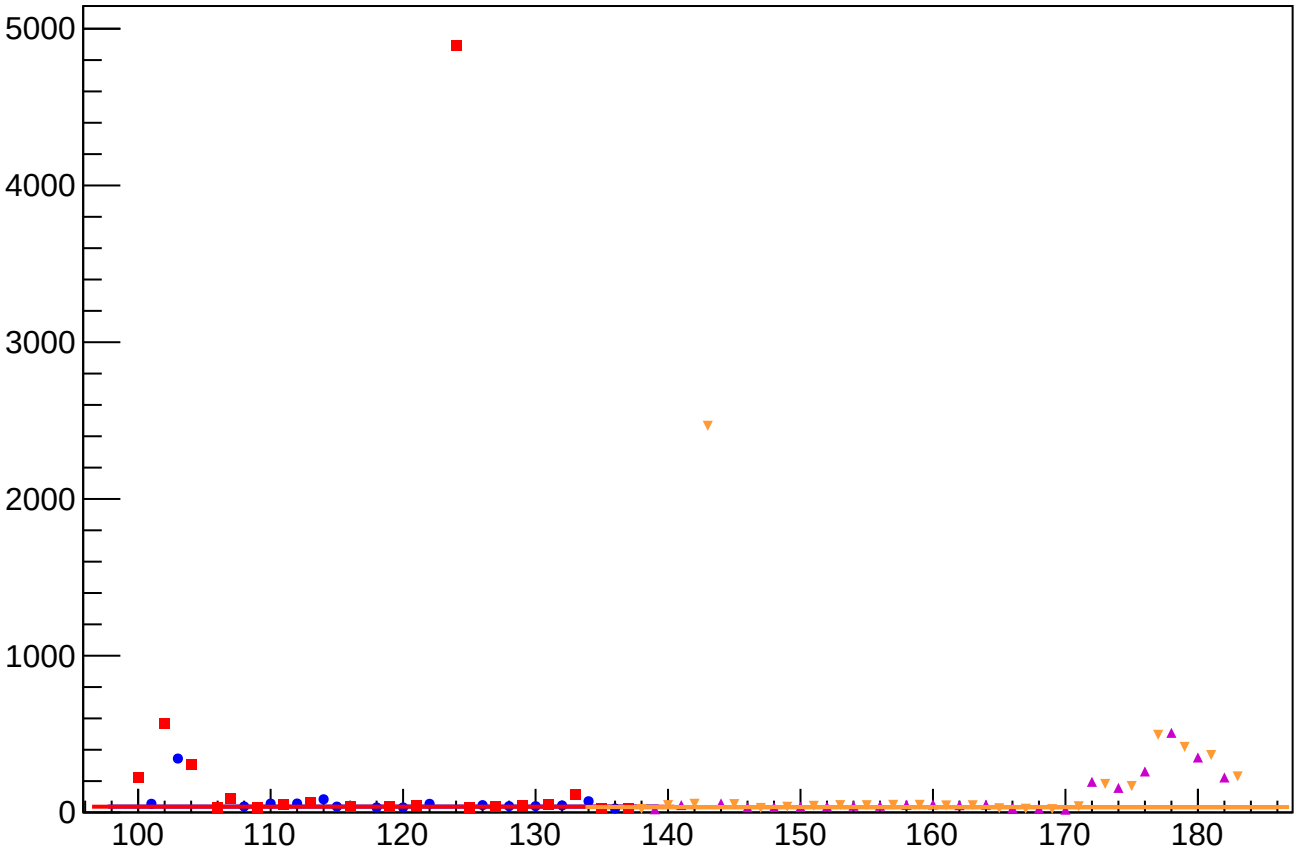
Left: 0.006+/-0.007 χ^2/NDF: 40.6/45

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:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 72.5/80



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.518+/-0.007 χ^2/NDF:11039981.4/23

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.475+/-0.007 χ^2/NDF:9651312.5/21

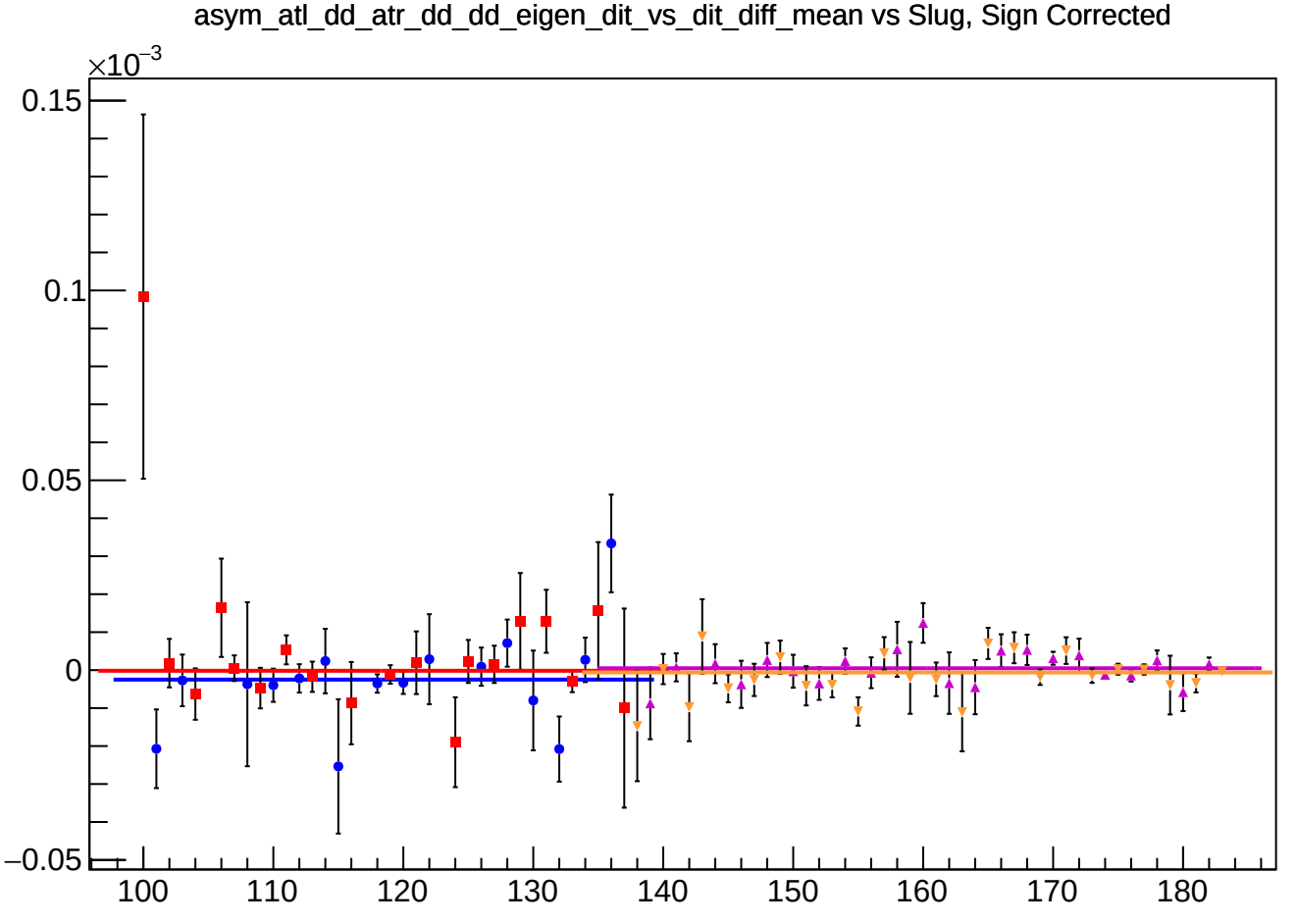
Left: 33.983+/-0.005 χ^2/NDF: 20702002.2/45

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.587+/-0.006 χ^2/NDF:11724984.5/37

Out: 35.134+/-0.006 χ^2/NDF:14257280.0/42

All: 34.853+/-0.004 χ^2/NDF: 25986332.1/80



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:21.6/21

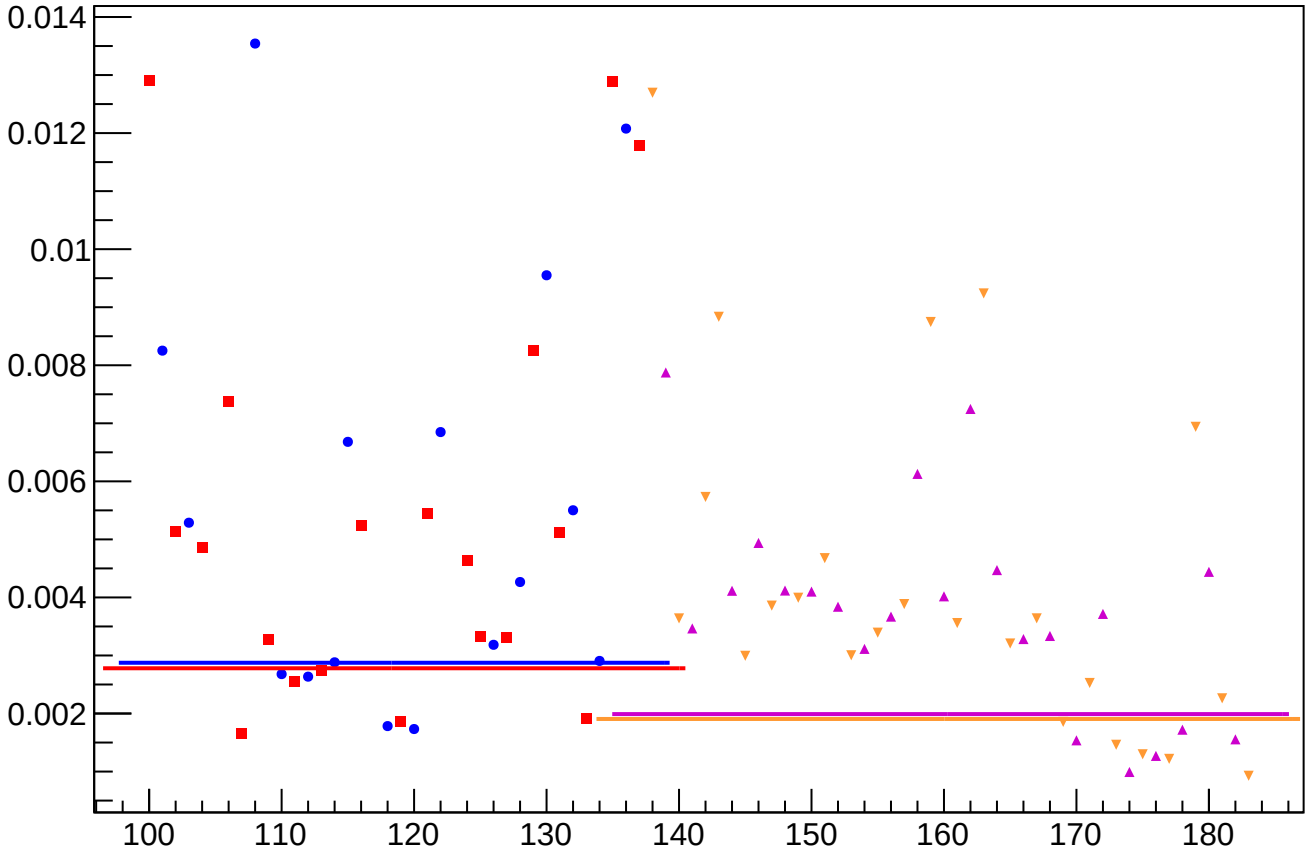
Left: -0.000+/-0.000 χ^2/NDF: 51.8/45

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:47.4/42

All: -0.000+/-0.000 χ^2/NDF: 95.6/80



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:11849002.0/23

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: 21255490.5/45

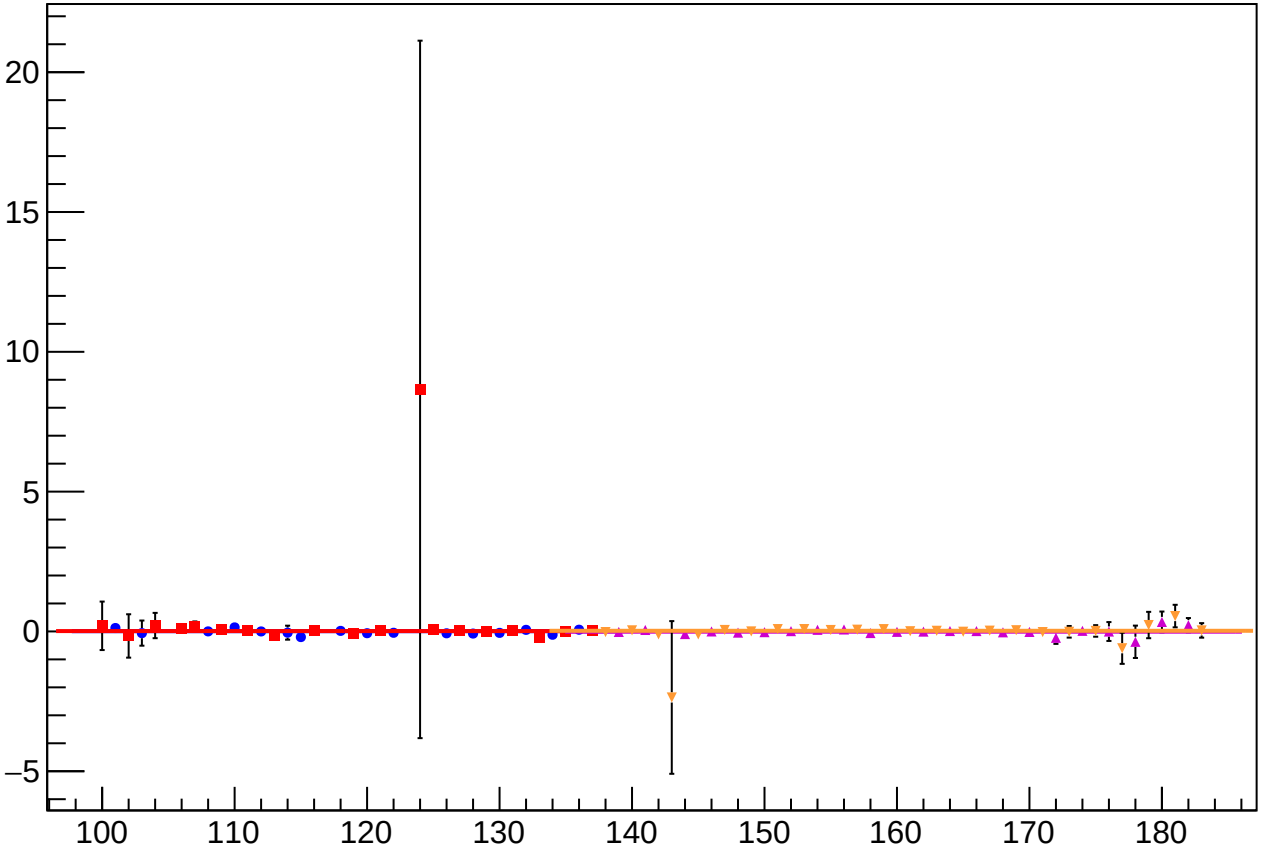
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:14297451.9/37

Out: 0.002+/-0.000 χ^2/NDF:16070241.2/42

All: 0.002+/-0.000 χ^2/NDF: 30391480.6/80

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:21.3/23

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: 40.6/45

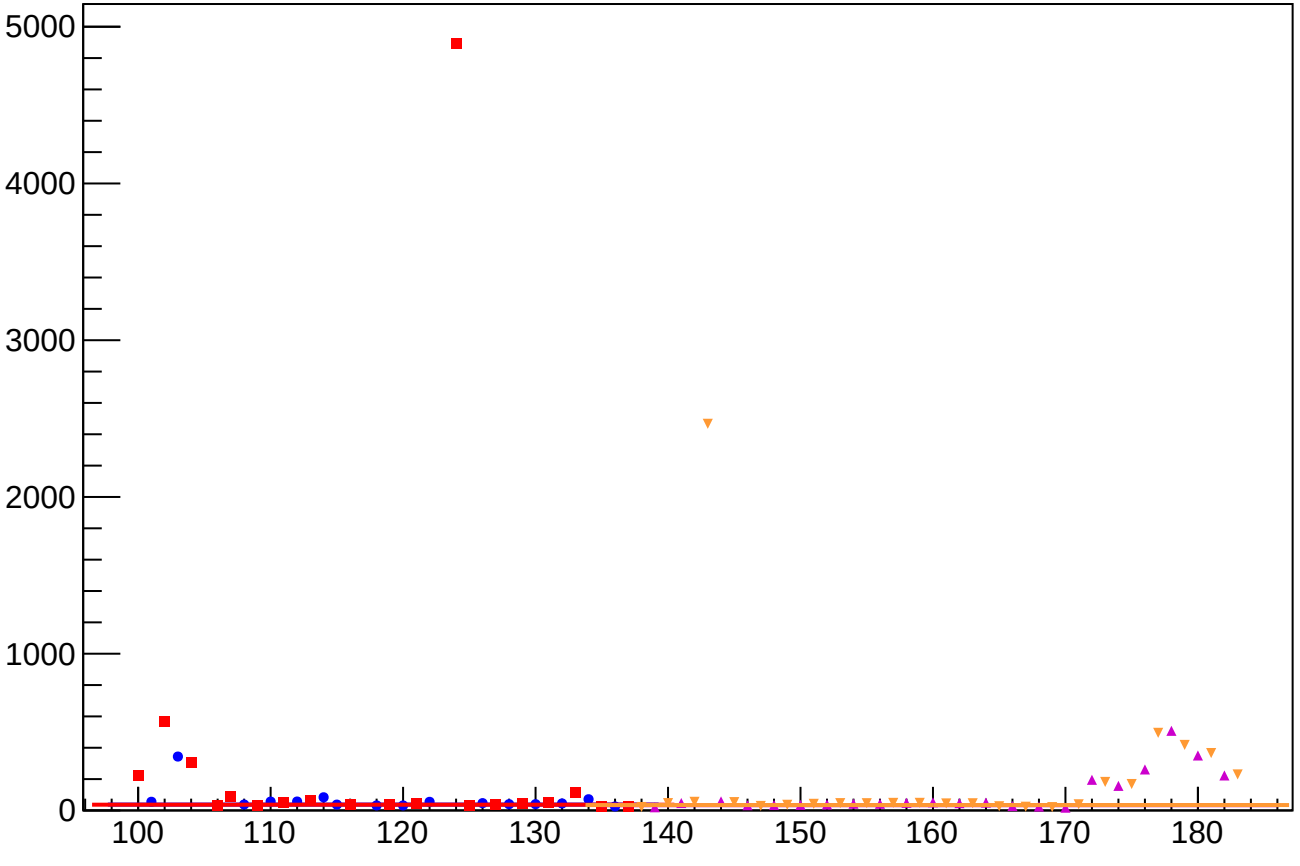
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:34.2/37

Out: 0.020+/-0.009 χ^2/NDF:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 72.6/80

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: 34.517+/-0.007 χ^2/NDF:11040092.0/23

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: 33.984+/-0.005 χ^2/NDF: 20700786.8/45

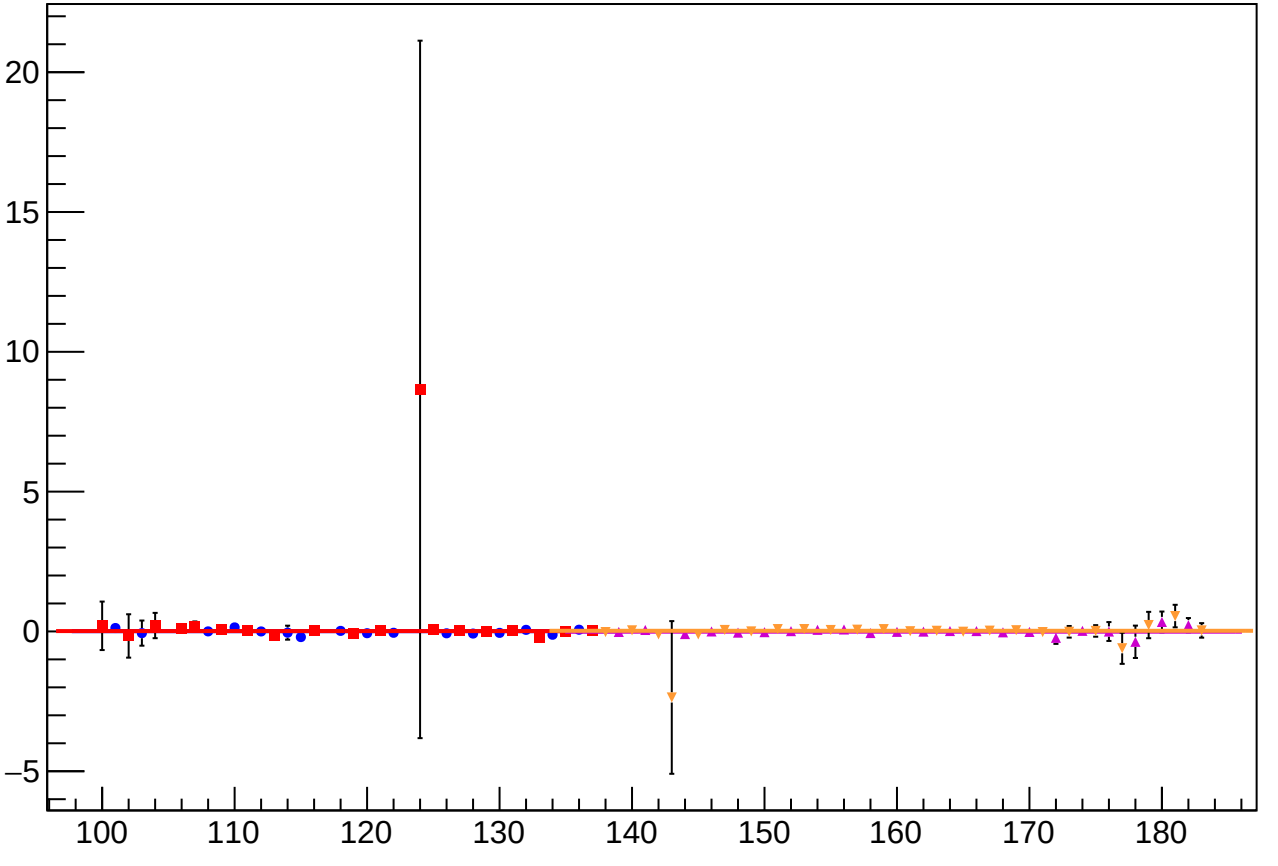
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.589+/-0.006 χ^2/NDF:11723574.9/37

Out: 35.134+/-0.006 χ^2/NDF:14257153.1/42

All: 34.854+/-0.004 χ^2/NDF: 25984764.3/80

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:21.3/23

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: 40.6/45

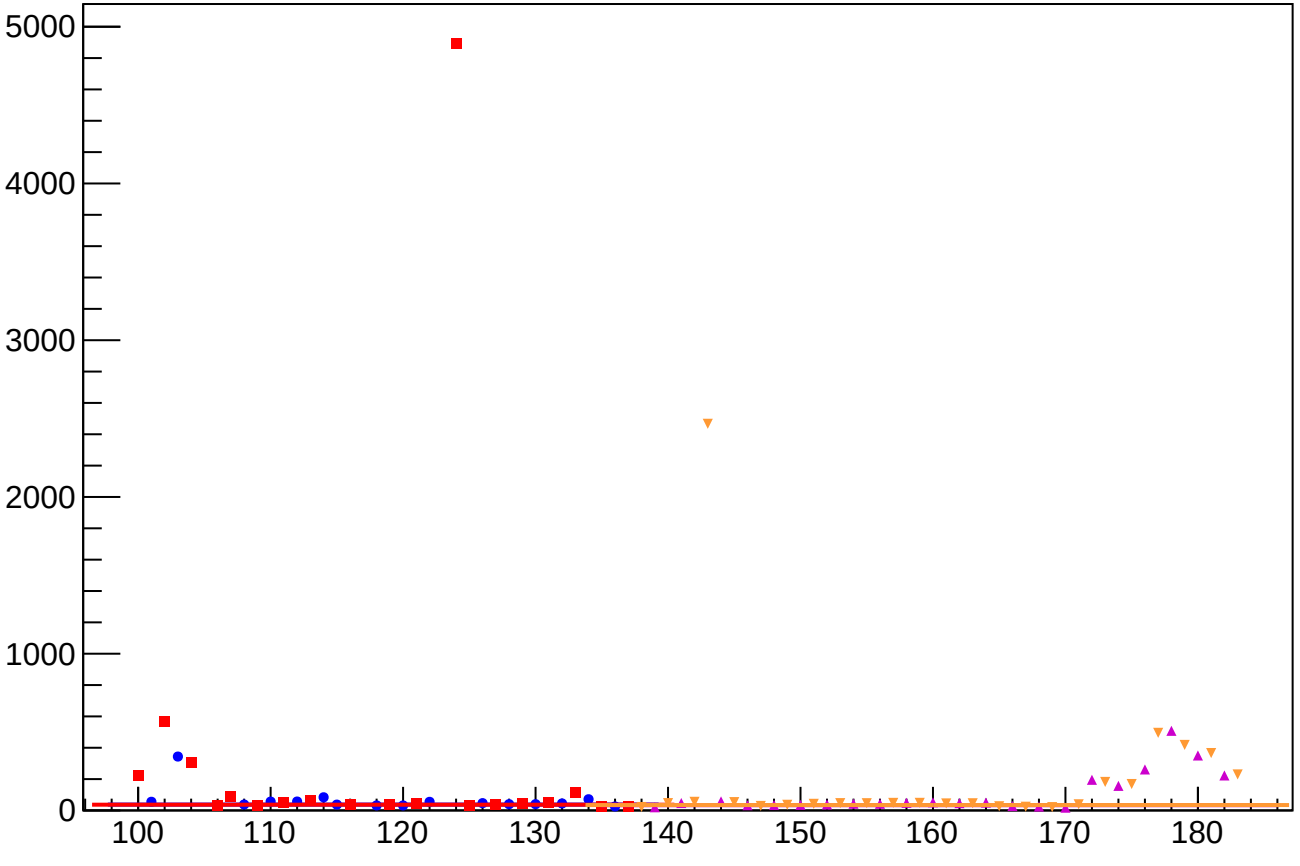
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:34.2/37

Out: 0.020+/-0.009 χ^2/NDF:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 72.6/80

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: 34.517+/-0.007 χ^2/NDF:11040092.0/23

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.477+/-0.007 χ^2/NDF:9650053.2/21

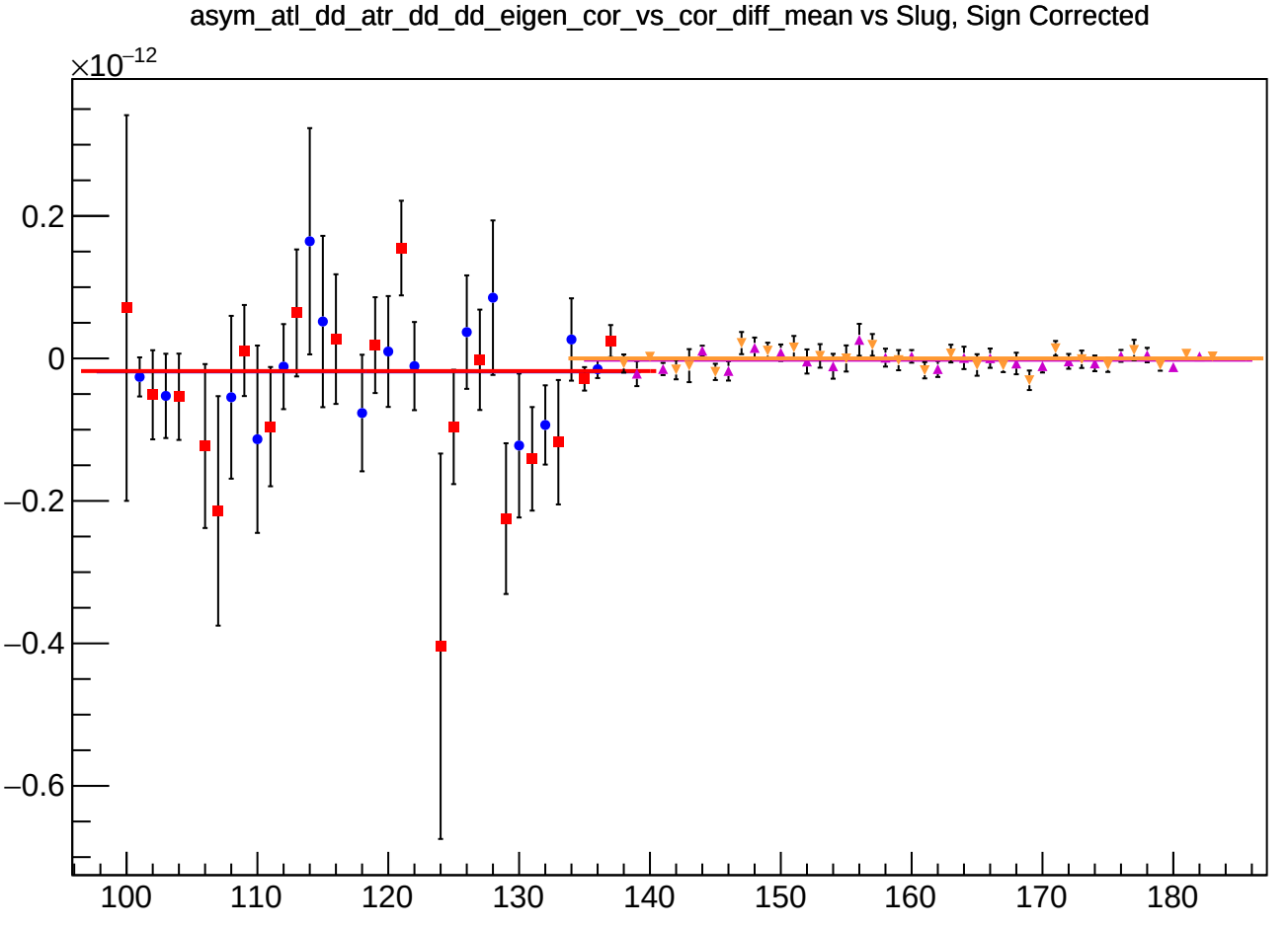
Left: 33.984+/-0.005 χ^2/NDF: 20700786.8/45

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.589+/-0.006 χ^2/NDF:11723574.9/37

Out: 35.134+/-0.006 χ^2/NDF:14257153.1/42

All: 34.854+/-0.004 χ^2/NDF: 25984764.3/80



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/23

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: 45.2/45

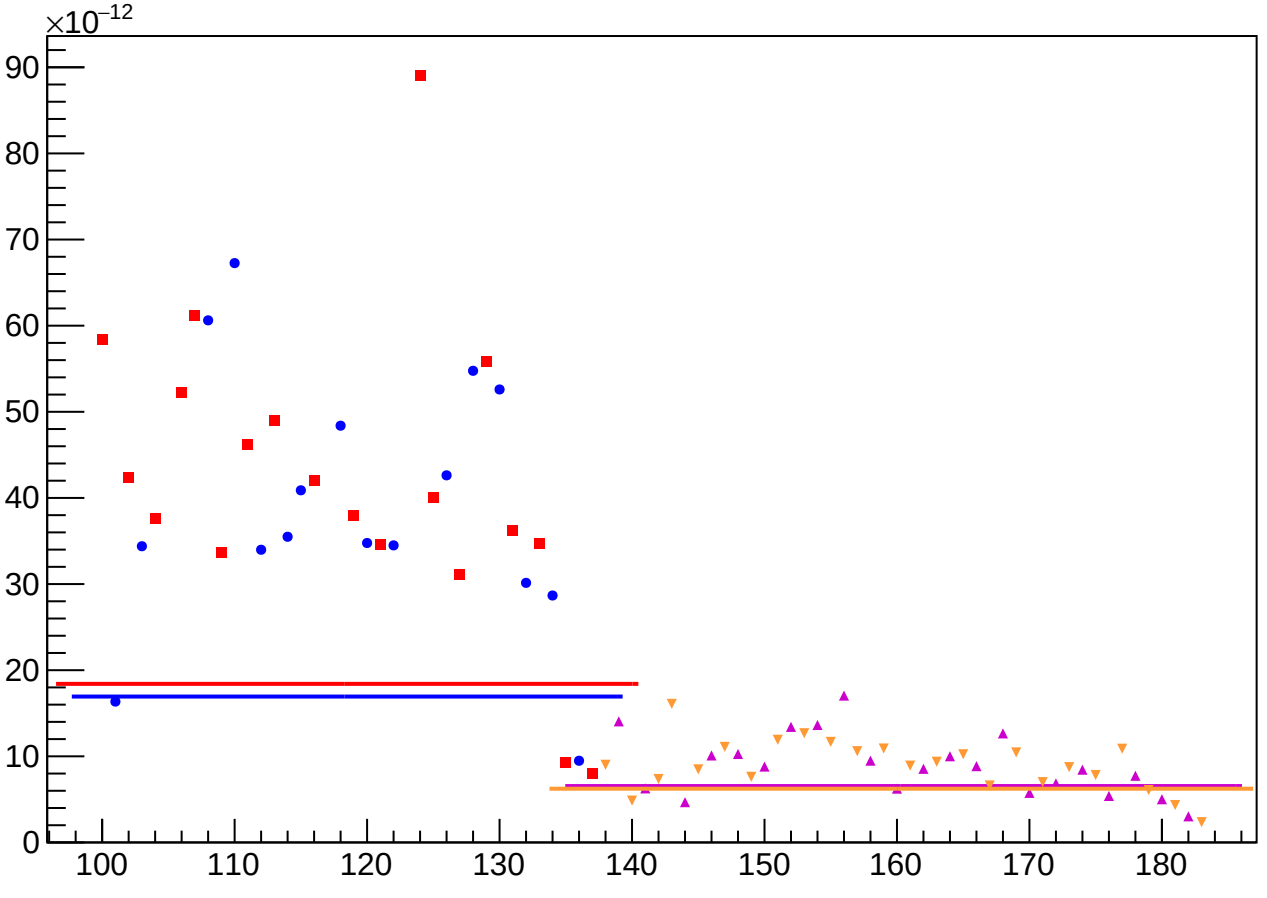
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:30.4/37

Out: -0.000+/-0.000 χ^2/NDF:55.1/42

All: -0.000+/-0.000 χ^2/NDF: 86.0/80

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:5053483.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3961801.0/21

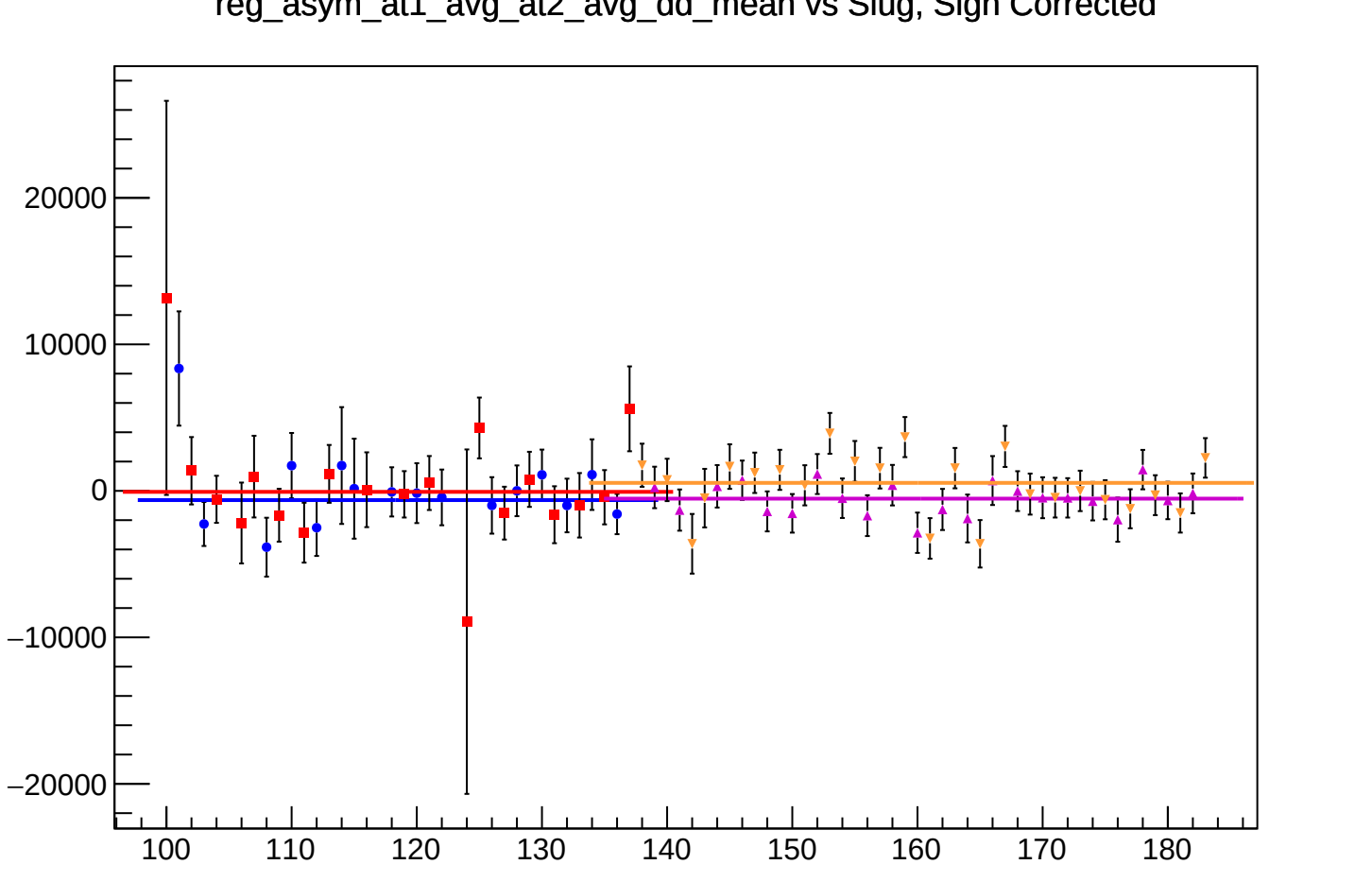
Left: 0.000+/-0.000 χ^2/NDF: 9037955.8/45

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:11077011.6/42

All: 0.000+/-0.000 χ^2/NDF: 20382741.6/80



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.182+/-290.725 χ^2/NDF:44.7/23

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -531.379+/-296.419 χ^2/NDF:13.2/21

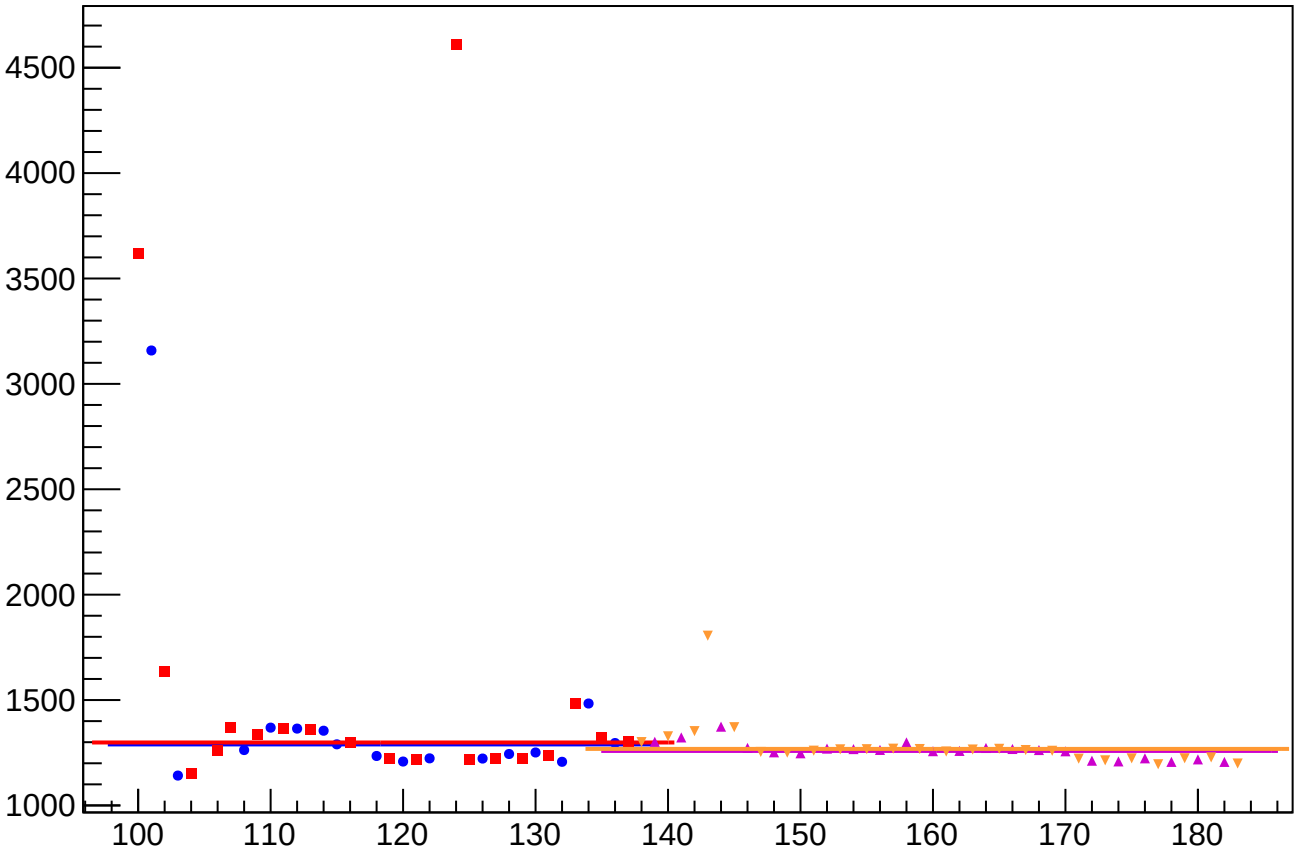
Left: 17.340+/-207.557 χ^2/NDF: 64.6/45

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -558.187+/-253.437 χ^2/NDF:27.1/37

Out: 384.539+/-249.730 χ^2/NDF:61.7/42

All: -79.879+/-177.882 χ^2/NDF: 95.9/80



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.5/23

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

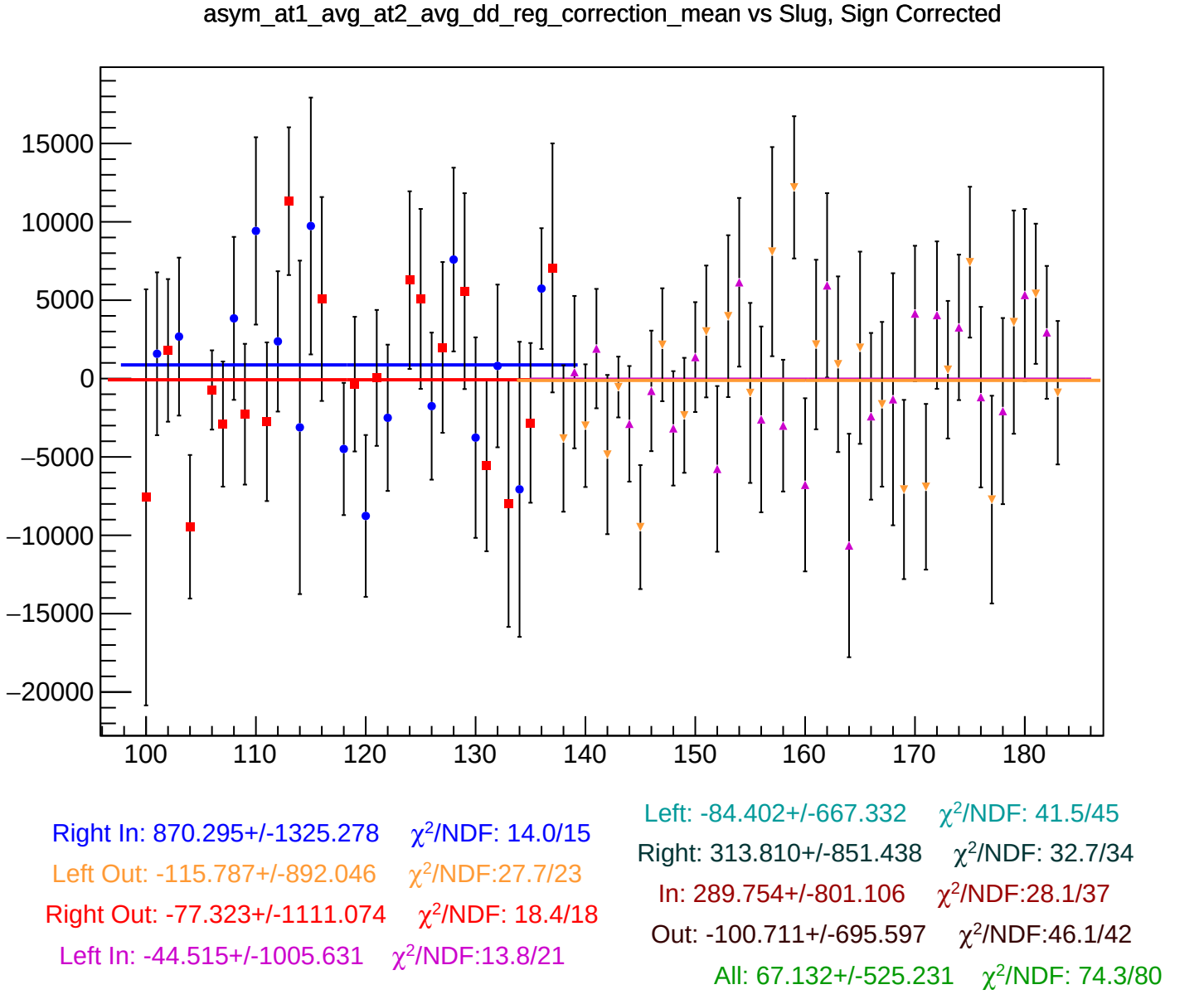
Left: 1263.469+/-0.147 χ^2/NDF: 221825.2/45

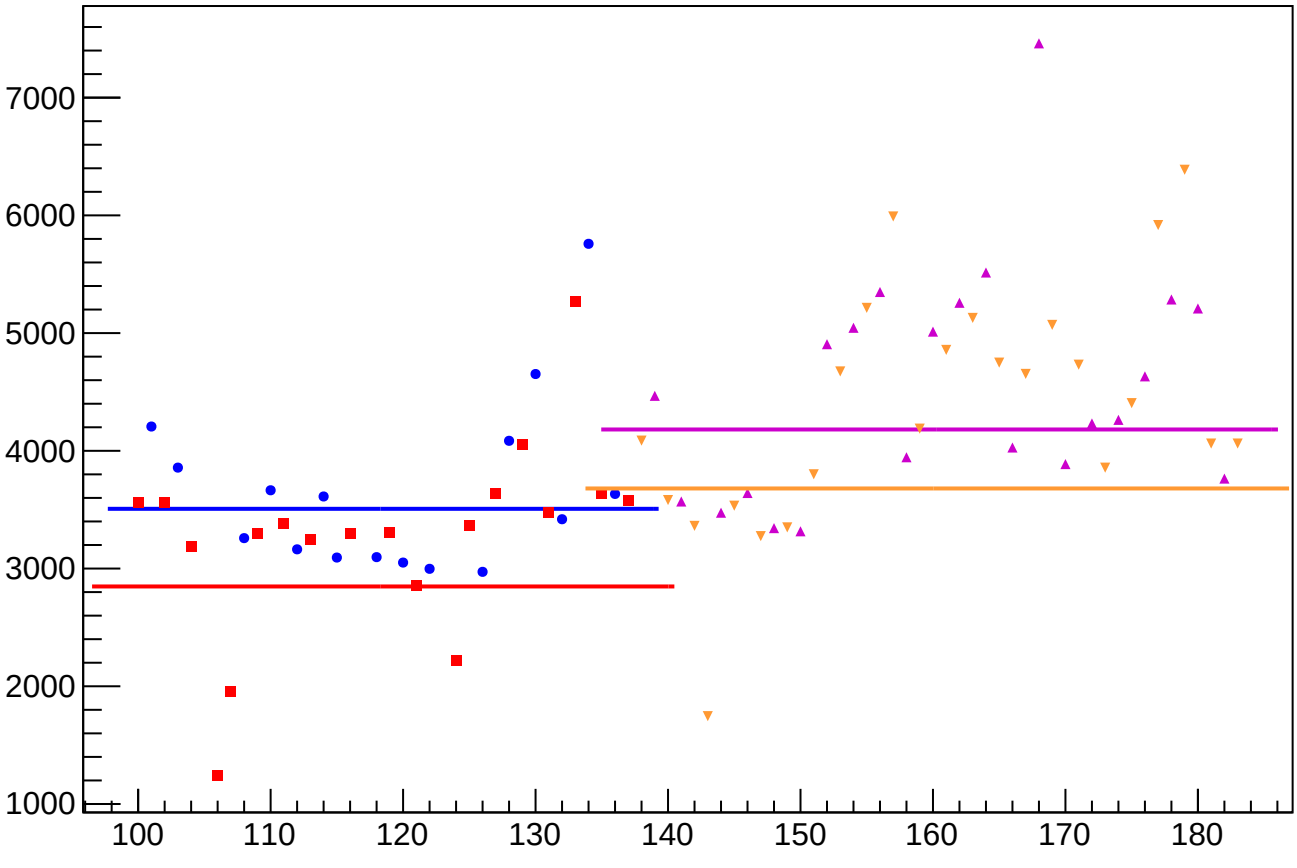
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1266.879+/-0.179 χ^2/NDF:556014.6/37

Out: 1276.202+/-0.176 χ^2/NDF:510415.6/42

All: 1271.612+/-0.126 χ^2/NDF: 1067804.1/80


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: -115.787+/-892.046 χ²/NDF:27.7/23
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -44.515+/-1005.631 χ²/NDF:13.8/21
Left: -84.402+/-667.332 χ²/NDF: 41.5/45
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 289.754+/-801.106 χ²/NDF:28.1/37
Out: -100.711+/-695.597 χ²/NDF:46.1/42
All: 67.132+/-525.231 χ²/NDF: 74.3/80



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3680.236+/-0.631 χ^2/NDF:3689489.6/23

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4181.302+/-0.711 χ^2/NDF:1269136.5/21

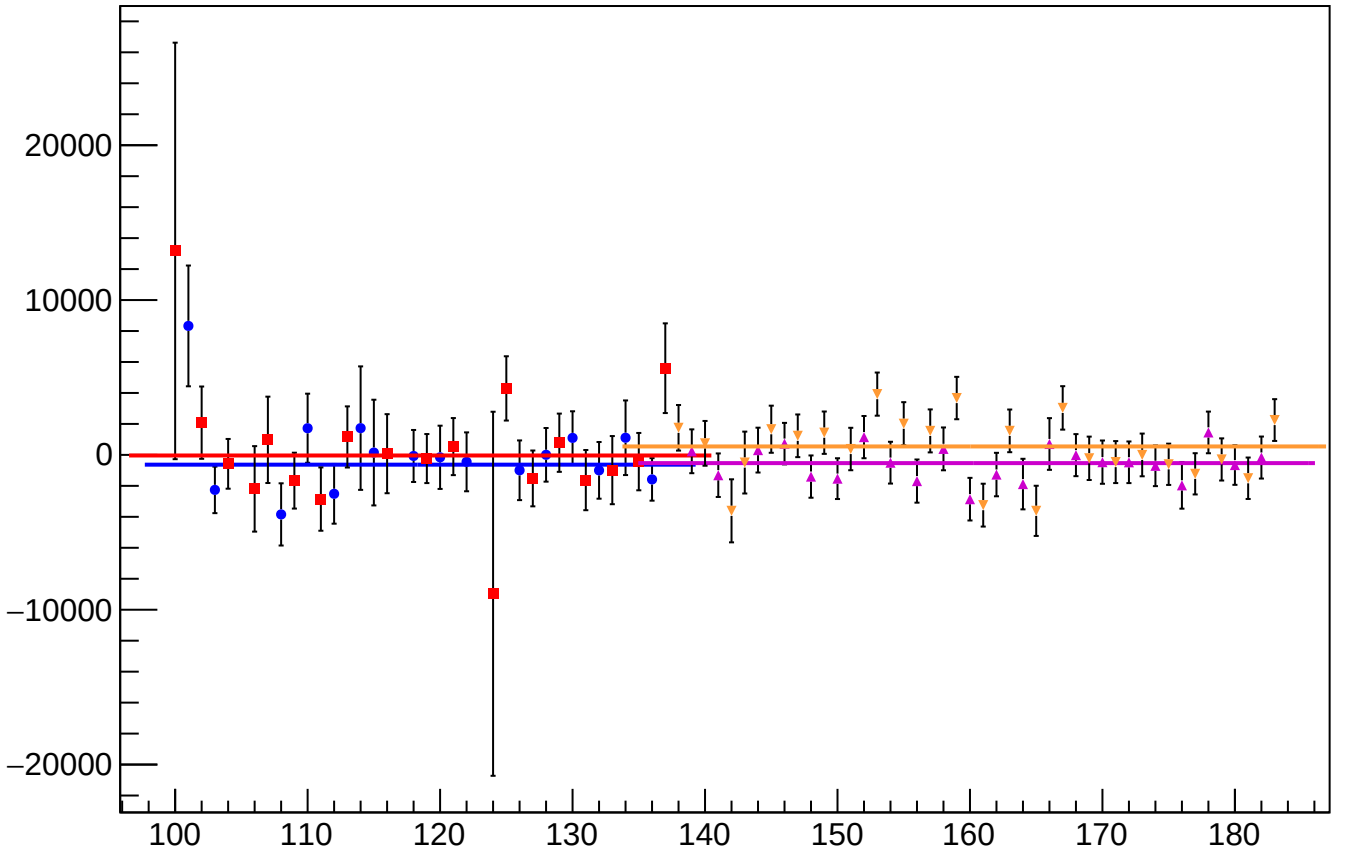
Left: 3900.885+/-0.472 χ^2/NDF: 5236503.2/45

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3935.059+/-0.566 χ^2/NDF:1951298.1/37

Out: 3353.977+/-0.492 χ^2/NDF:5871439.9/42

All: 3603.757+/-0.371 χ^2/NDF: 8422683.4/80



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.206+/-290.725 χ^2/NDF:44.7/23

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -531.298+/-296.419 χ^2/NDF:13.2/21

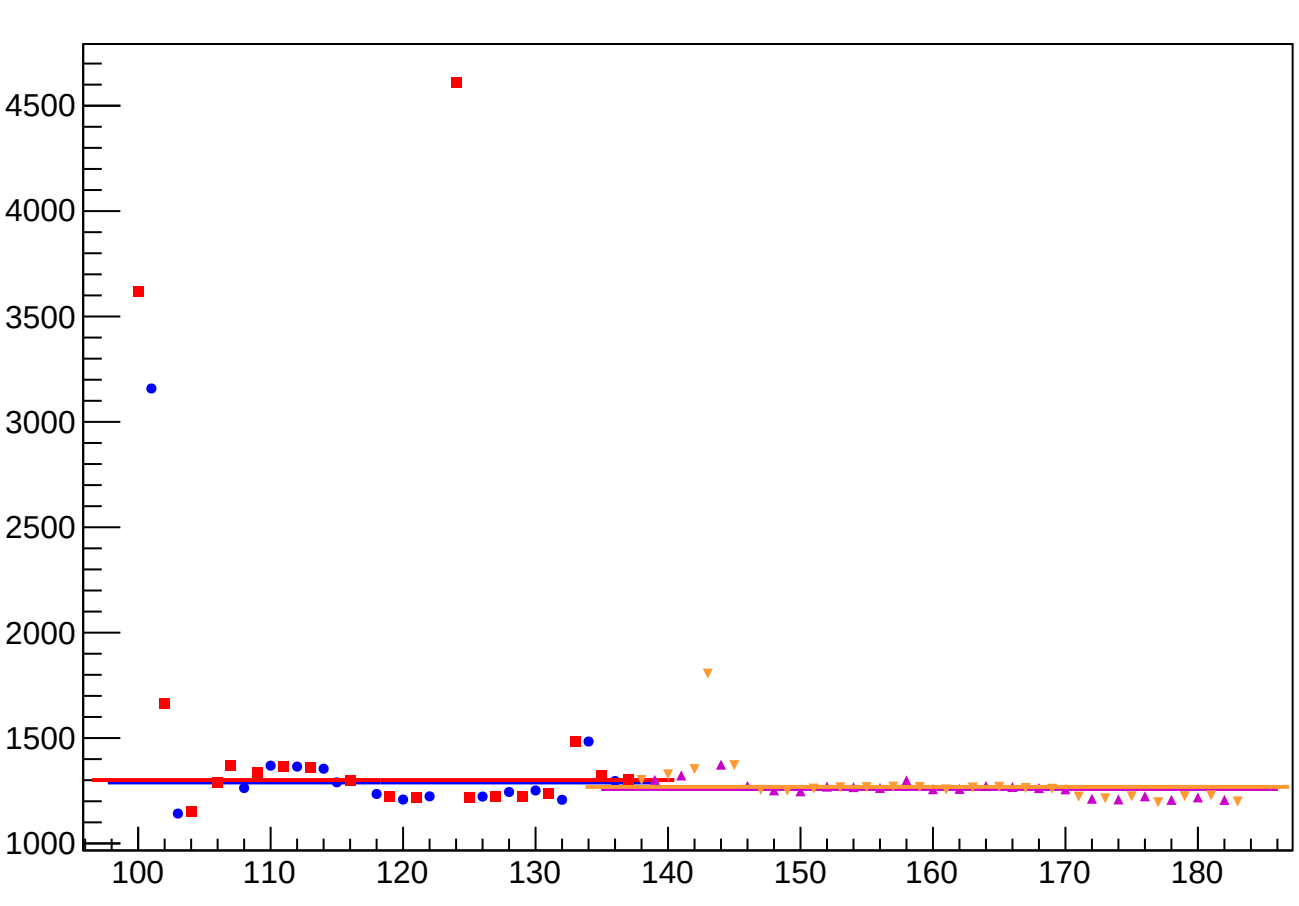
Left: 17.392+/-207.557 χ^2/NDF: 64.6/45

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -558.231+/-253.437 χ^2/NDF:27.1/37

Out: 392.313+/-249.773 χ^2/NDF:62.1/42

All: -76.039+/-177.898 χ^2/NDF: 96.3/80



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.4/23

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: 1263.469+/-0.147 χ^2/NDF: 221825.2/45

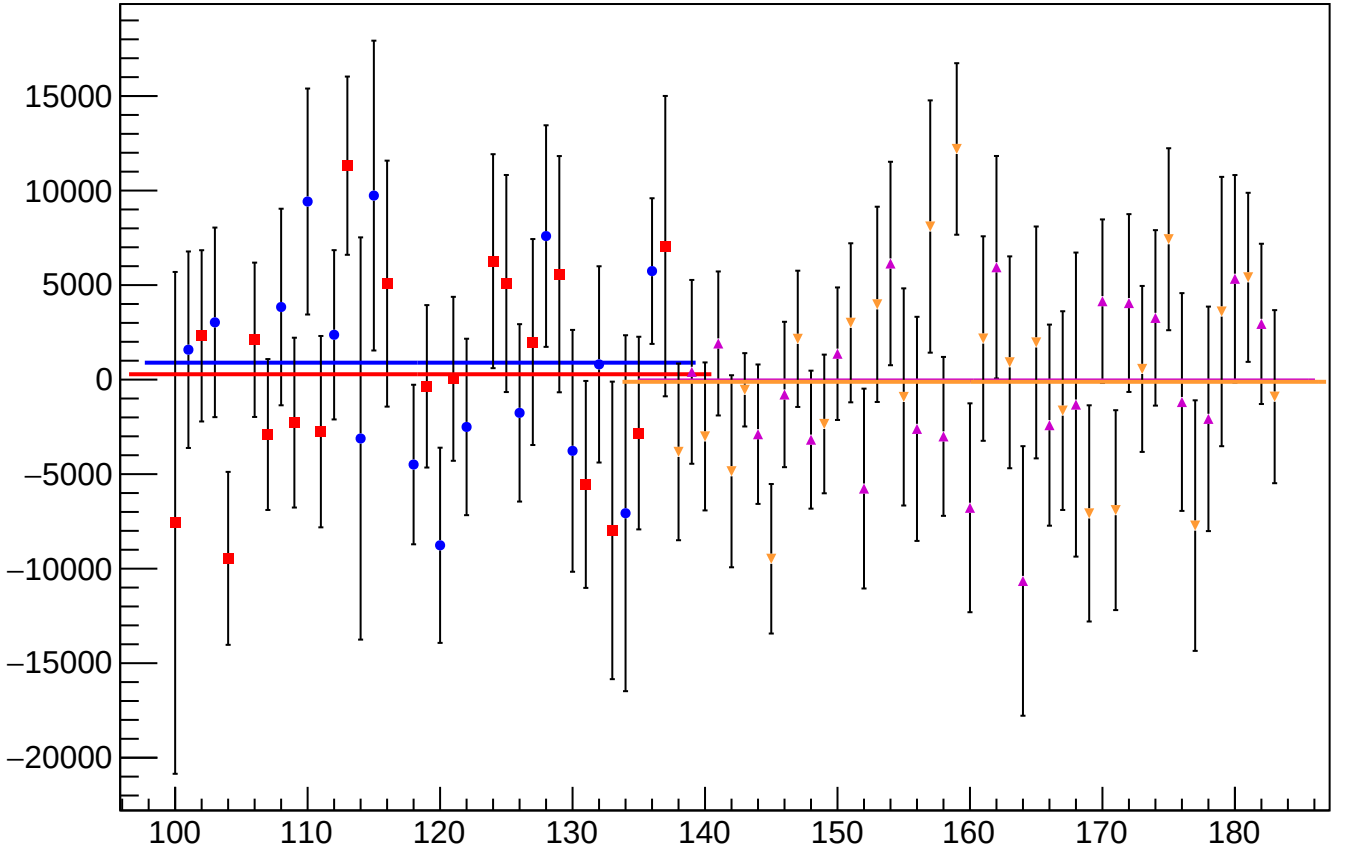
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.879+/-0.179 χ^2/NDF:556015.9/37

Out: 1276.718+/-0.177 χ^2/NDF:517729.9/42

All: 1271.872+/-0.126 χ^2/NDF: 1075275.5/80

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -115.719+/-892.045 χ^2/NDF:27.7/23

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -44.524+/-1005.630 χ^2/NDF:13.8/21

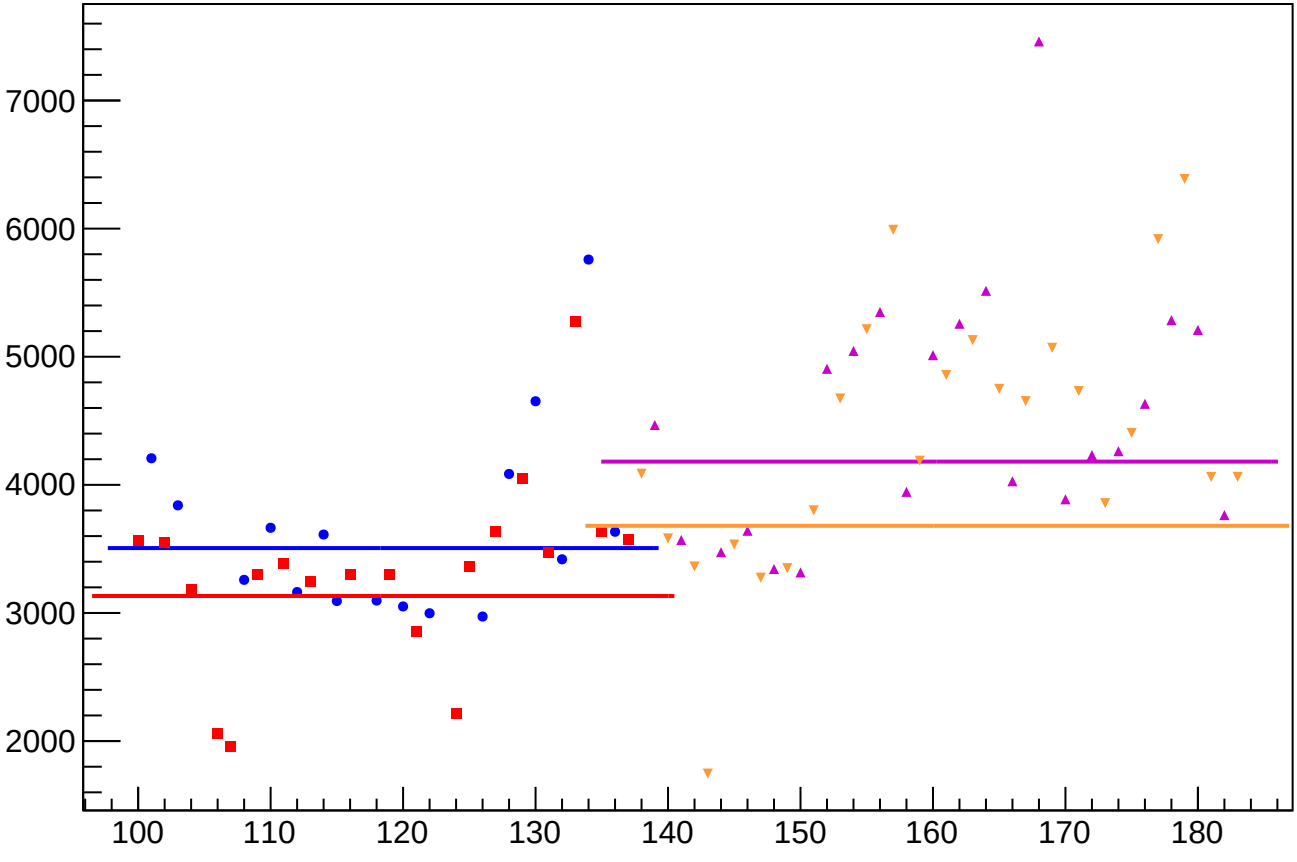
Left: -84.367+/-667.332 χ^2/NDF: 41.5/45

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 299.296+/-801.004 χ^2/NDF:28.2/37

Out: 29.134+/-712.285 χ^2/NDF:46.4/42

All: 148.431+/-532.276 χ^2/NDF: 74.6/80



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4181.297+/-0.711 χ^2/NDF:1269133.7/21

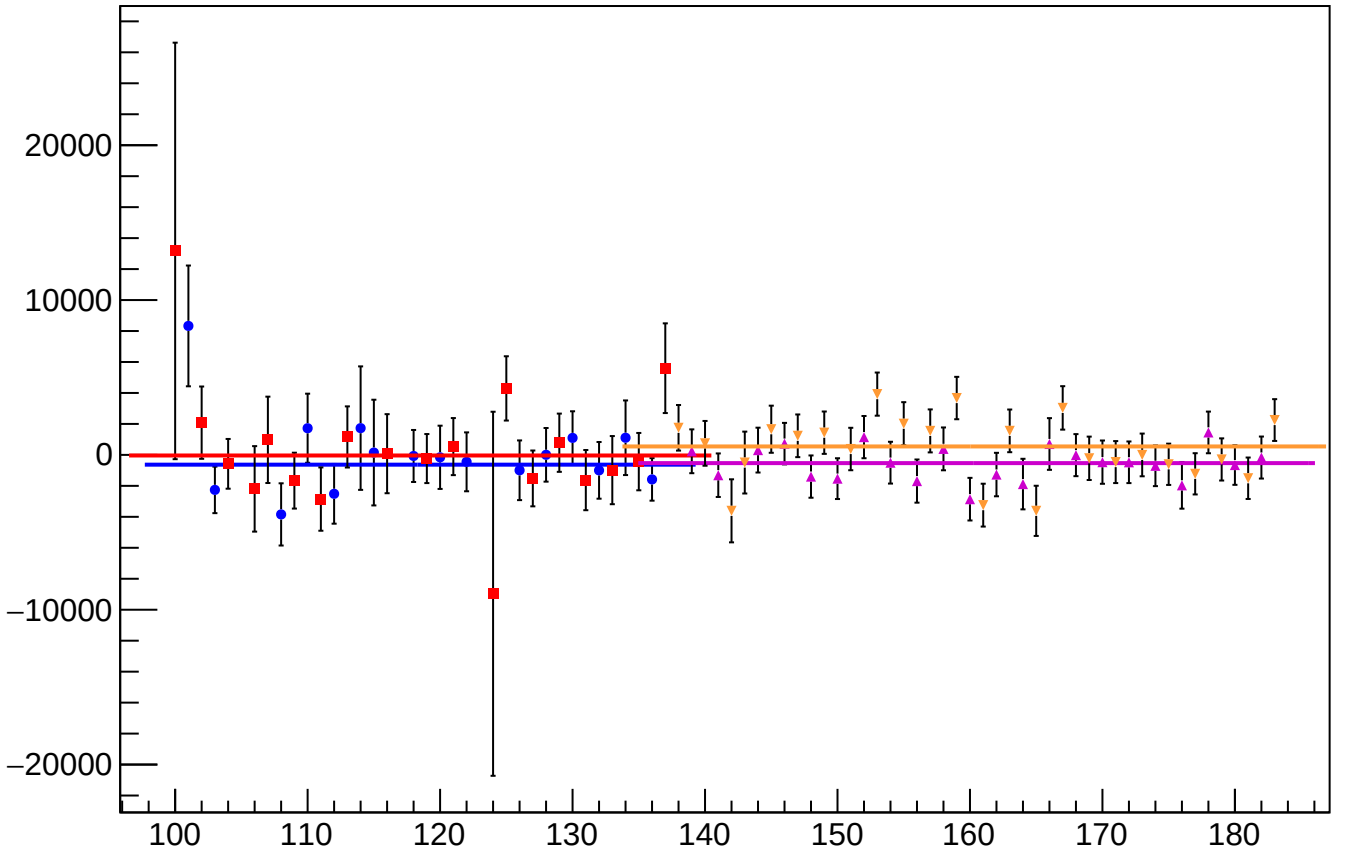
Left: 3900.879+/-0.472 χ^2/NDF: 5236543.6/45

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3934.615+/-0.566 χ^2/NDF:1951582.7/37

Out: 3481.752+/-0.504 χ^2/NDF:4612329.7/42

All: 3681.725+/-0.376 χ^2/NDF: 6920905.5/80



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.206+/-290.725 χ^2/NDF:44.7/23

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -531.298+/-296.419 χ^2/NDF:13.2/21

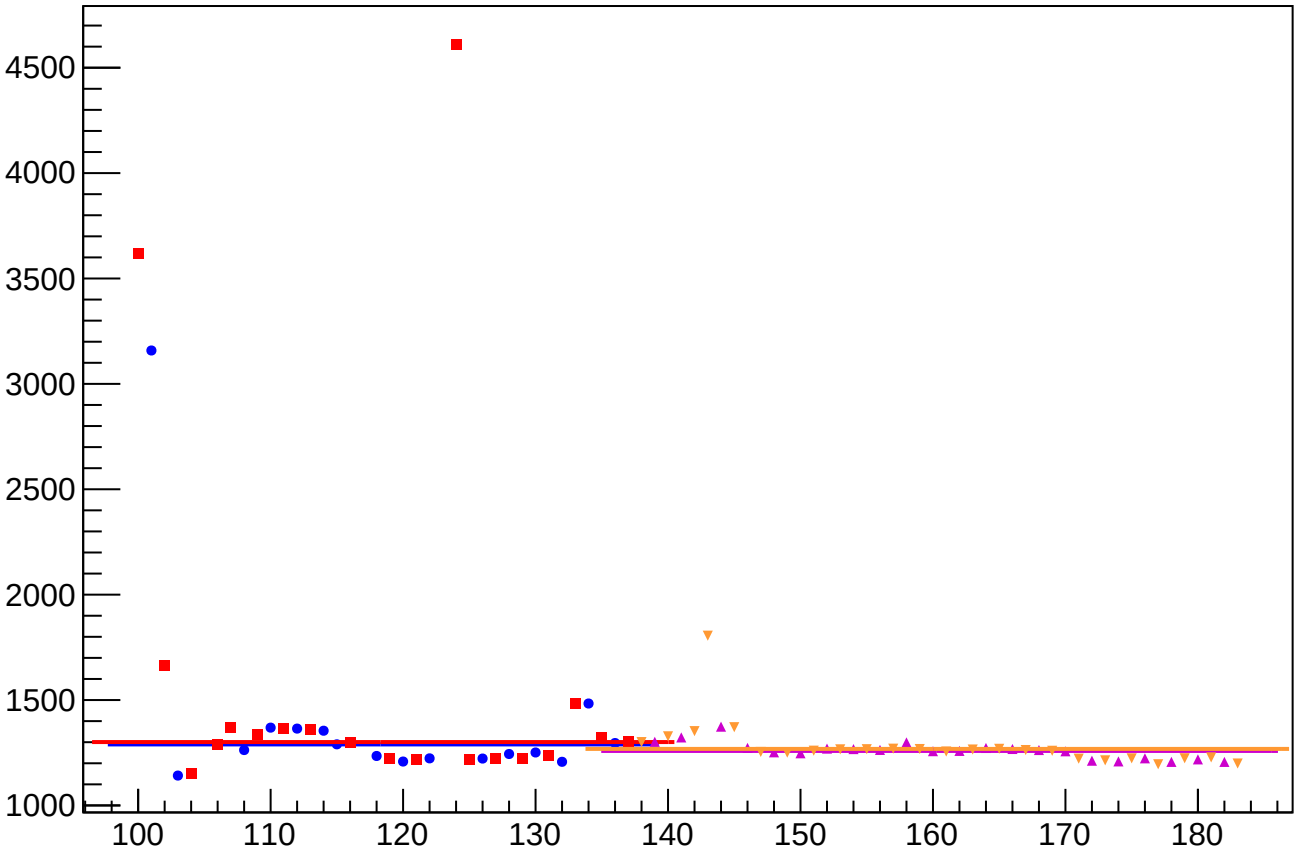
Left: 17.392+/-207.557 χ^2/NDF: 64.6/45

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -558.231+/-253.437 χ^2/NDF:27.1/37

Out: 392.313+/-249.773 χ^2/NDF:62.1/42

All: -76.039+/-177.898 χ^2/NDF: 96.3/80



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.4/23

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

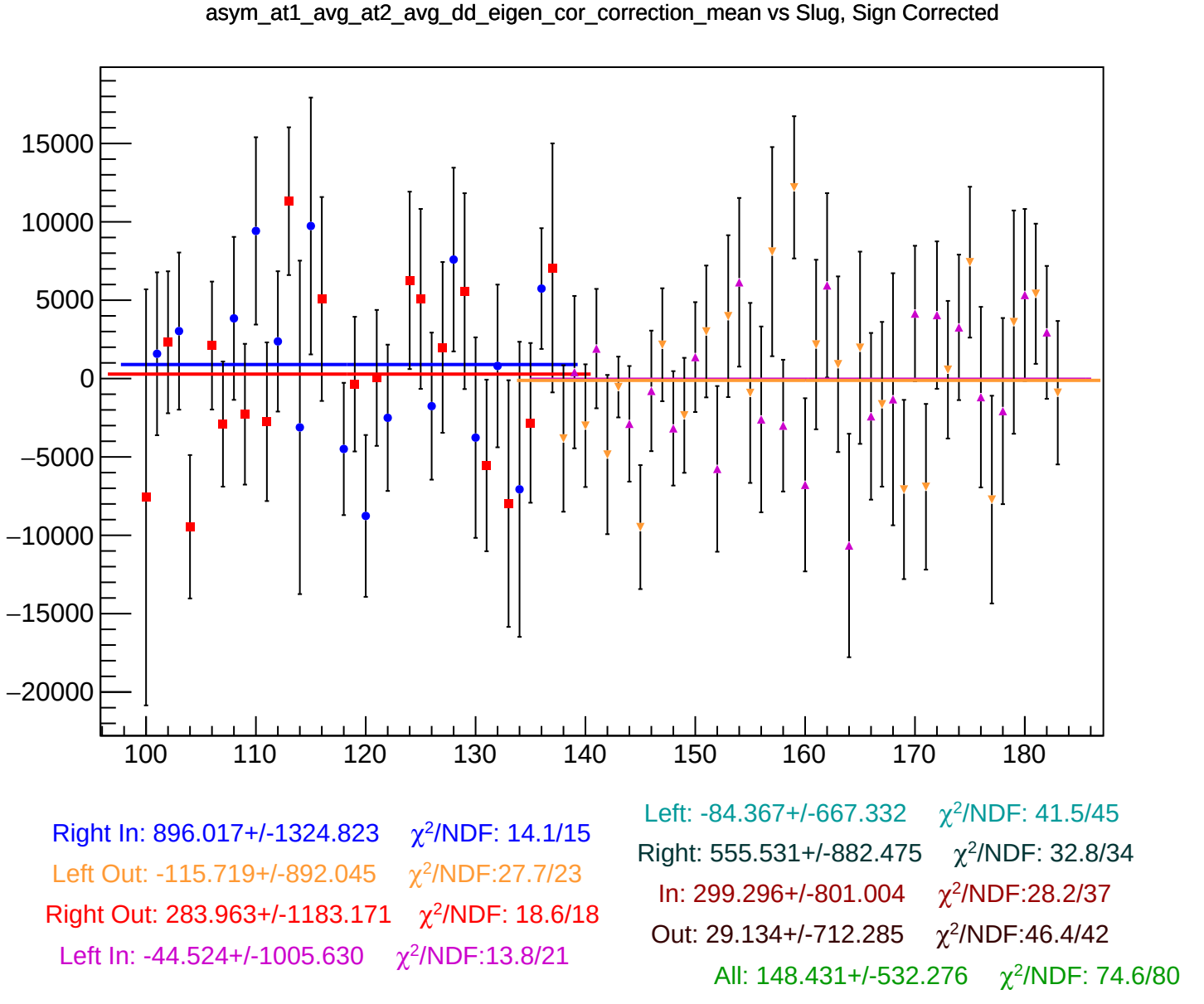
Left: 1263.469+/-0.147 χ^2/NDF: 221825.2/45

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

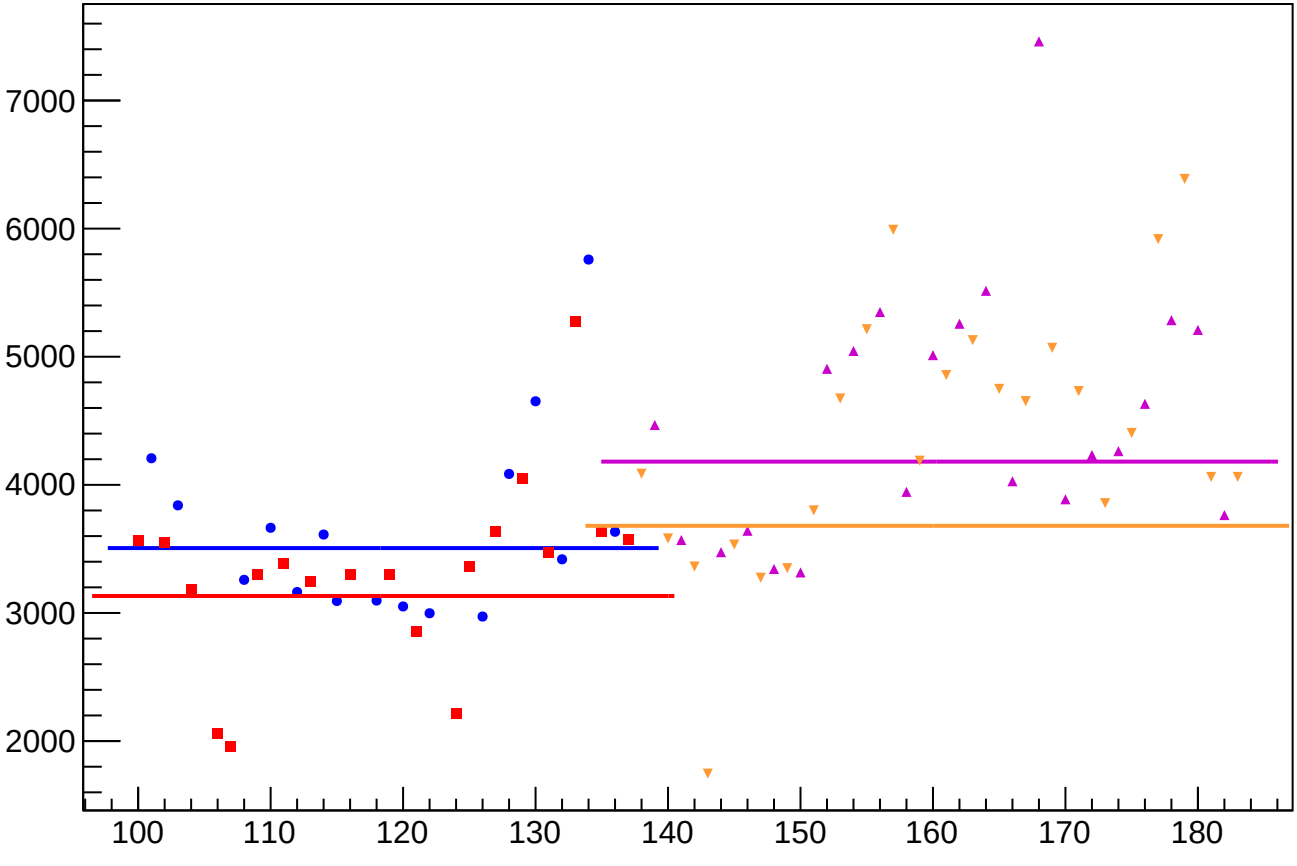
In: 1266.879+/-0.179 χ^2/NDF:556015.9/37

Out: 1276.718+/-0.177 χ^2/NDF:517729.9/42

All: 1271.872+/-0.126 χ^2/NDF: 1075275.5/80


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -115.719+/-892.045 χ²/NDF:27.7/23
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -44.524+/-1005.630 χ²/NDF:13.8/21
Left: -84.367+/-667.332 χ²/NDF: 41.5/45
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 299.296+/-801.004 χ²/NDF:28.2/37
Out: 29.134+/-712.285 χ²/NDF:46.4/42
All: 148.431+/-532.276 χ²/NDF: 74.6/80

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4181.297+/-0.711 χ^2/NDF:1269133.7/21

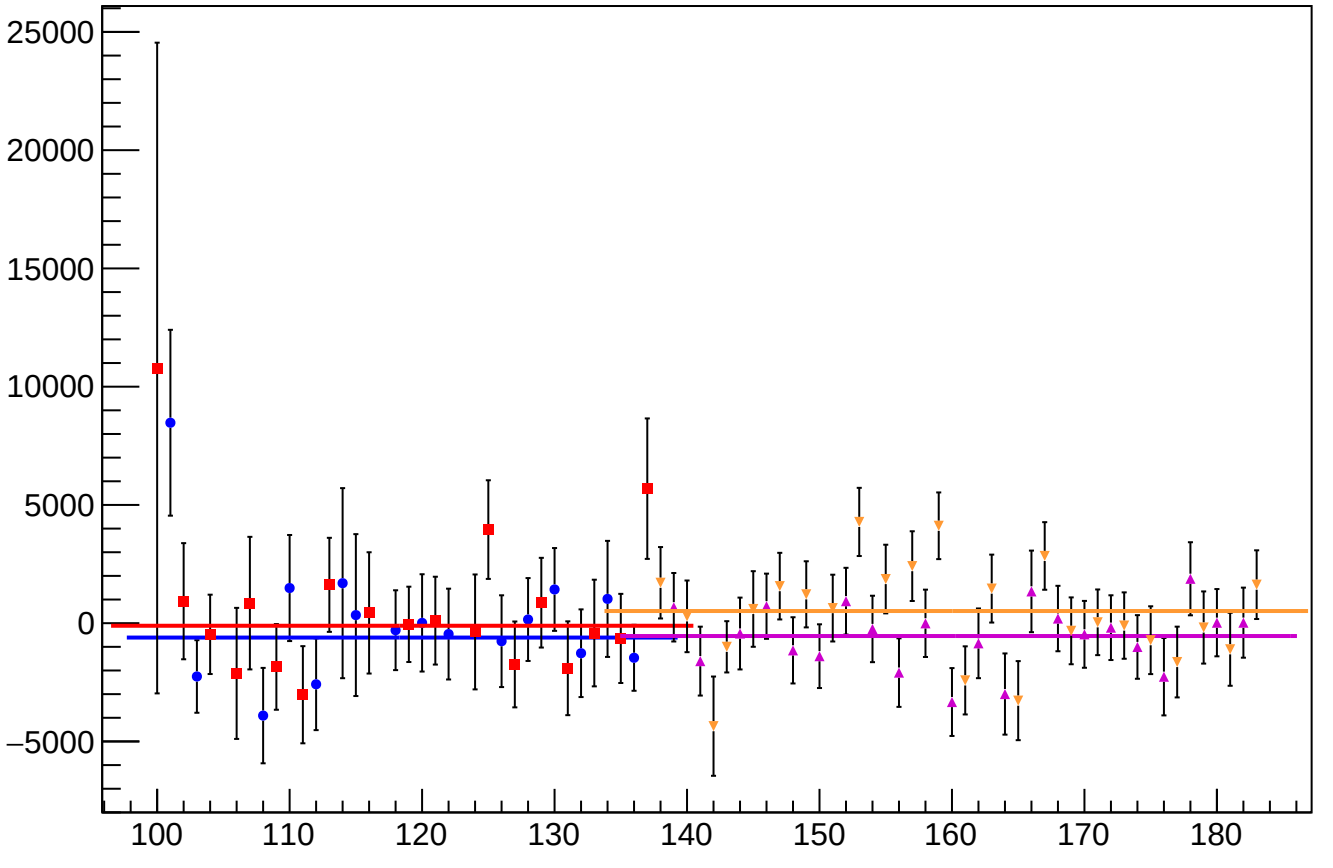
Left: 3900.879+/-0.472 χ^2/NDF: 5236543.6/45

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3934.615+/-0.566 χ^2/NDF:1951582.7/37

Out: 3481.752+/-0.504 χ^2/NDF:4612329.7/42

All: 3681.725+/-0.376 χ^2/NDF: 6920905.5/80



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 514.229+/-296.438 χ^2/NDF:42.4/23

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -542.806+/-309.764 χ^2/NDF:16.5/21

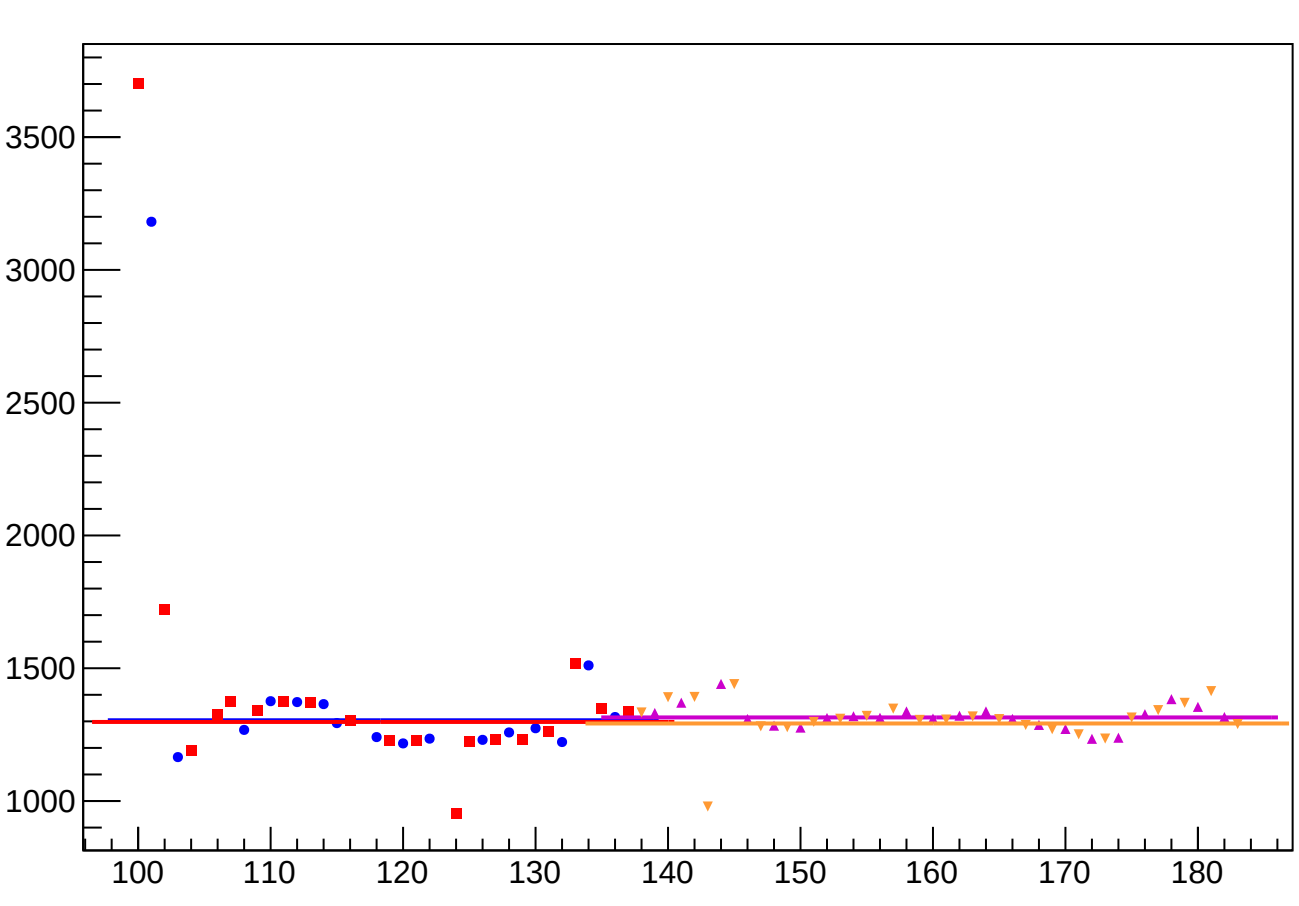
Left: 8.936+/-214.169 χ^2/NDF: 65.0/45

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -561.148+/-262.464 χ^2/NDF:30.6/37

Out: 345.111+/-253.012 χ^2/NDF:58.5/42

All: -91.406+/-182.156 χ^2/NDF: 95.3/80



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1292.005+/-0.210 χ^2/NDF:229756.3/23

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.793+/-0.219 χ^2/NDF:42303.0/21

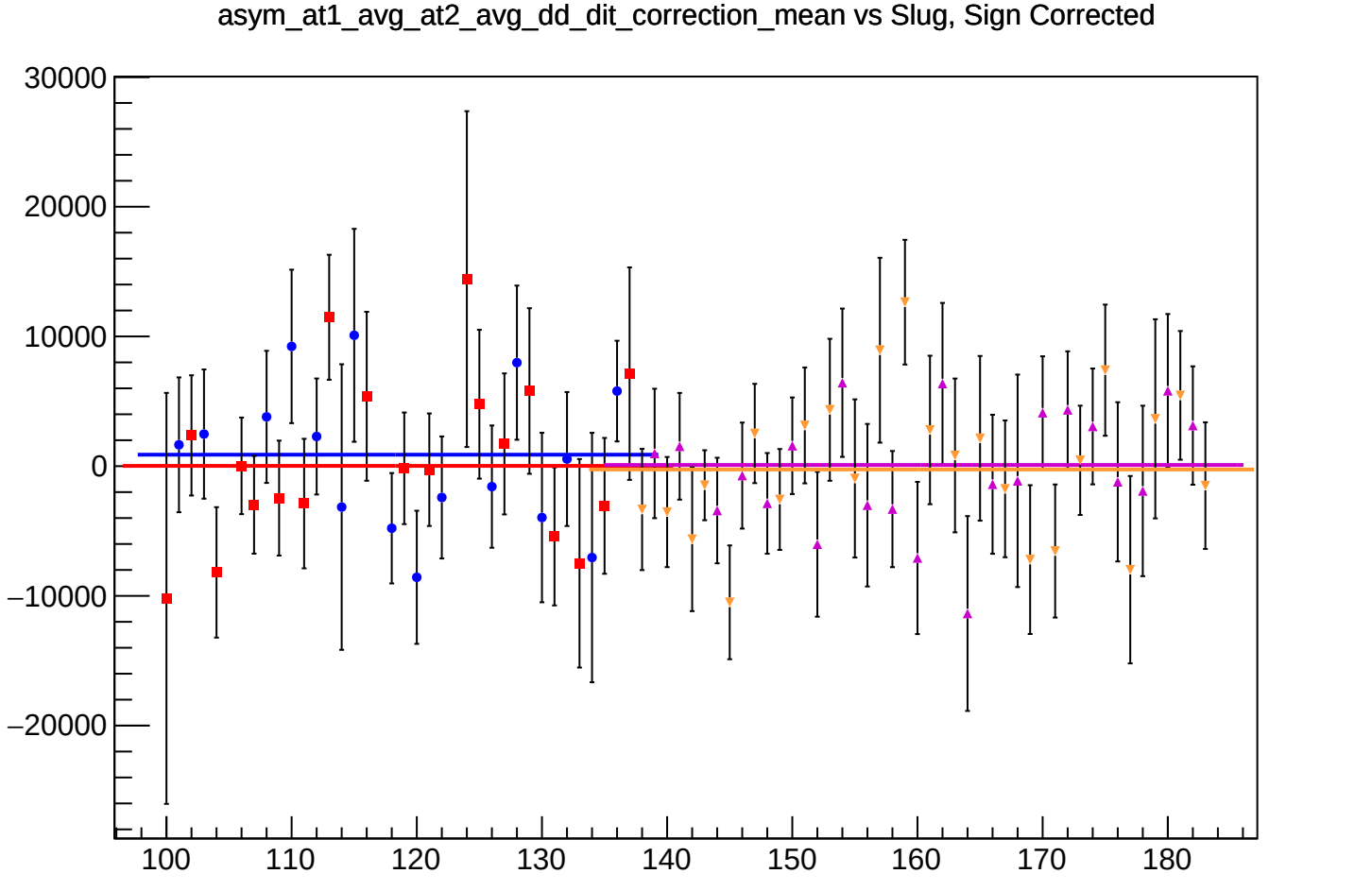
Left: 1302.898+/-0.151 χ^2/NDF: 277709.1/45

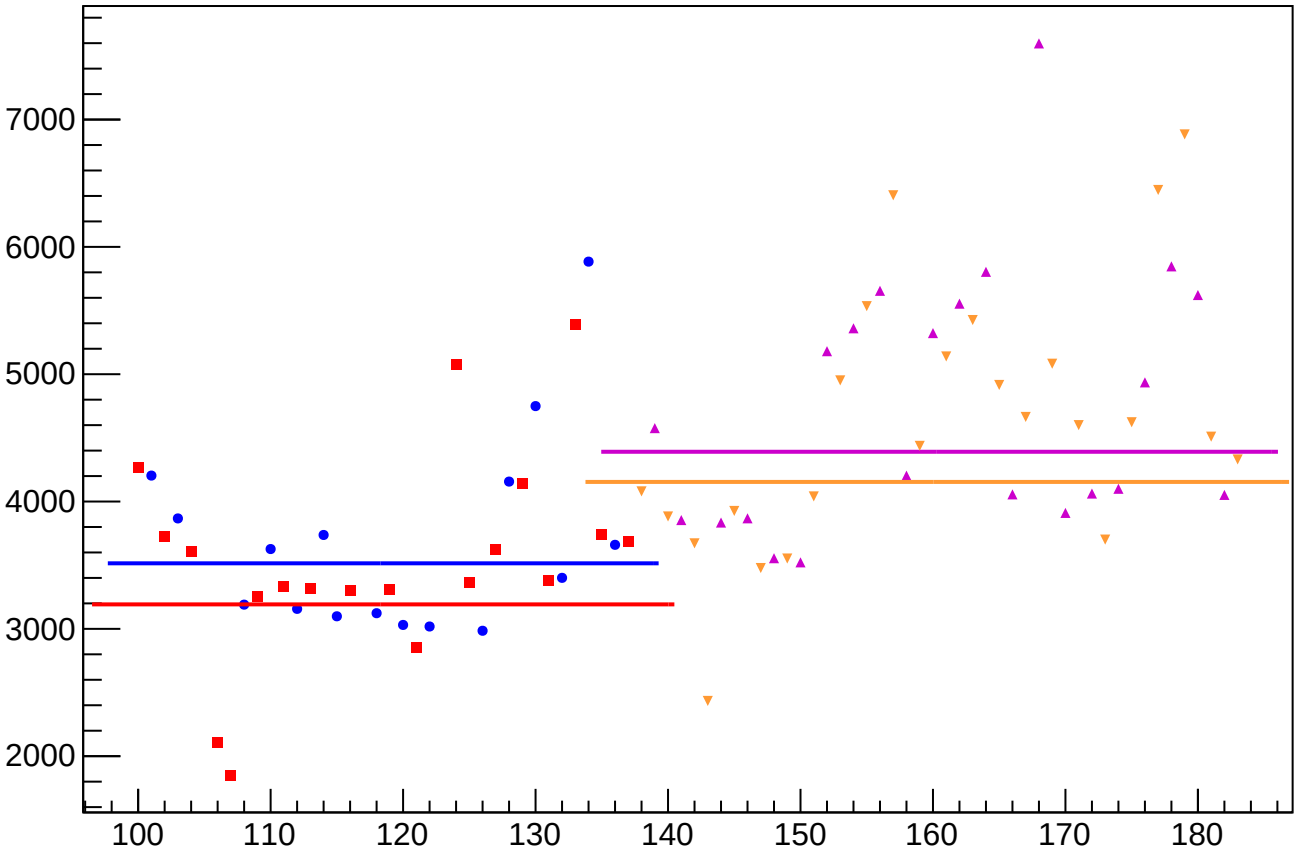
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1311.777+/-0.186 χ^2/NDF:553564.3/37

Out: 1293.579+/-0.179 χ^2/NDF:443060.7/42

All: 1302.343+/-0.129 χ^2/NDF: 1001609.9/80


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -254.197+/-983.675 χ²/NDF:27.3/23
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: 89.972+/-1055.954 χ²/NDF:13.6/21
Left: -94.294+/-719.761 χ²/NDF: 40.9/45
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 397.733+/-826.370 χ²/NDF:27.9/37
Out: -143.726+/-760.749 χ²/NDF:44.1/42
All: 104.655+/-559.694 χ²/NDF: 72.3/80



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4154.038+/-0.696 χ^2/NDF:2079742.1/23

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4390.854+/-0.747 χ^2/NDF:1251583.3/21

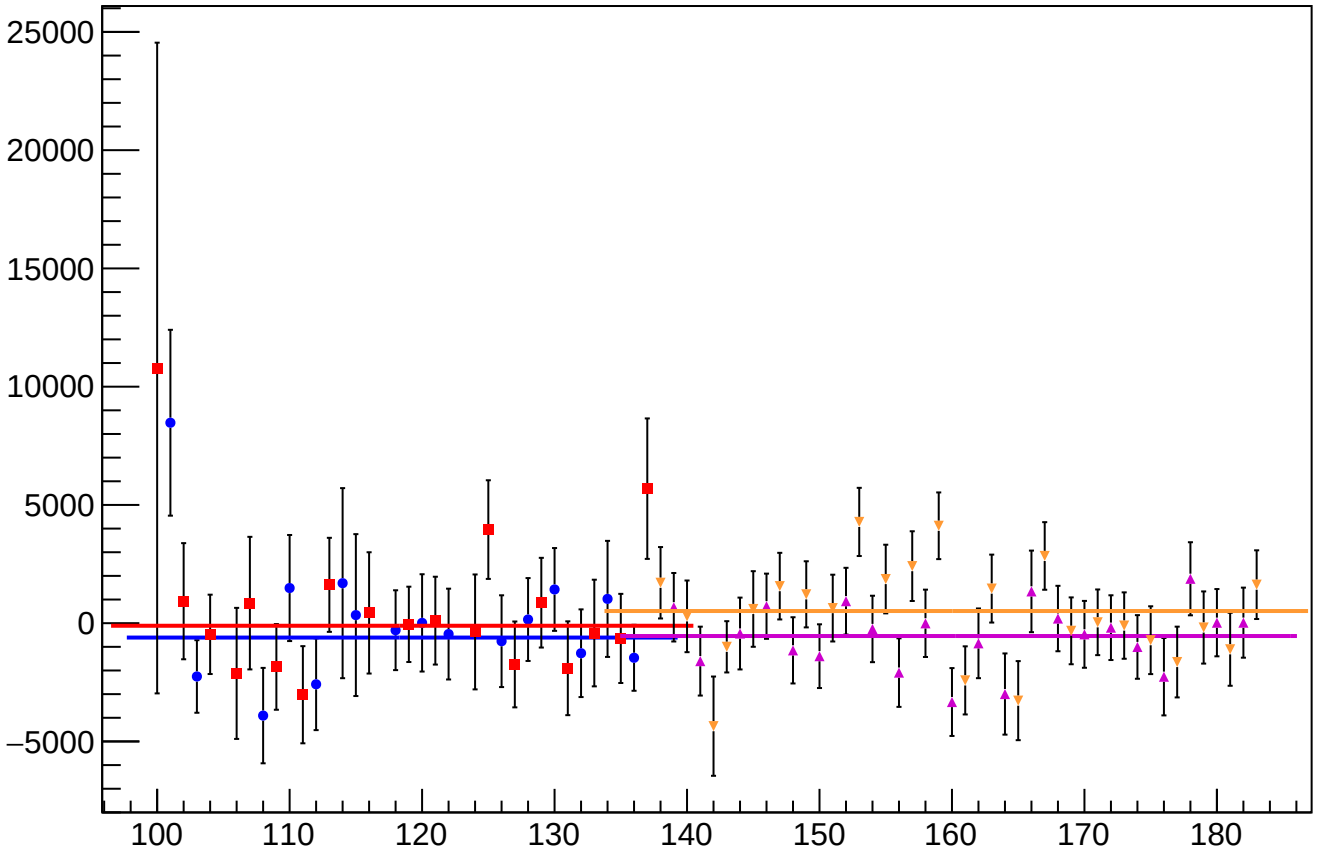
Left: 4264.065+/-0.509 χ^2/NDF: 3385181.7/45

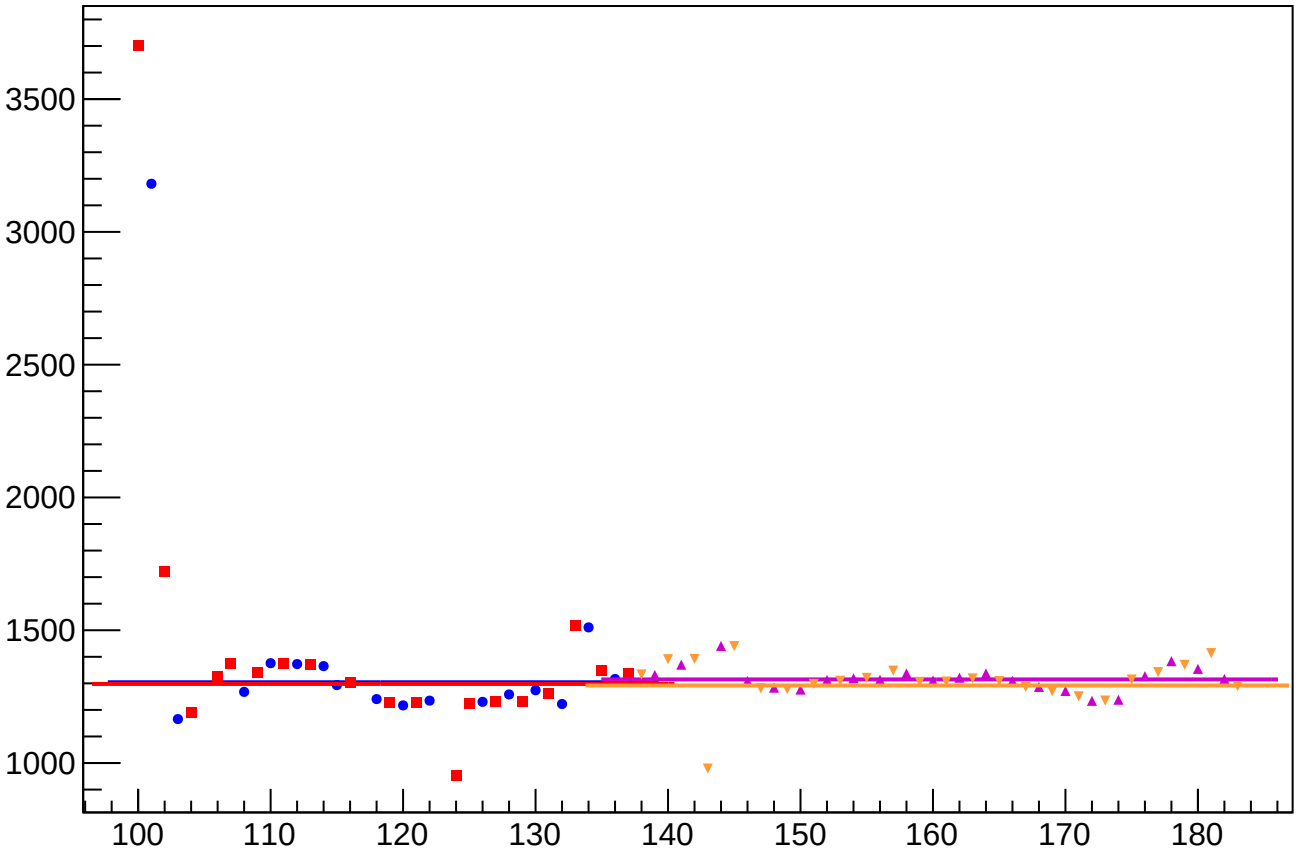
Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4051.304+/-0.584 χ^2/NDF:2160245.0/37

Out: 3767.484+/-0.538 χ^2/NDF:3620725.3/42

All: 3897.679+/-0.396 χ^2/NDF: 5908668.6/80


eigen_dit_asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
Right In: -607.834+/-494.182 χ²/NDF: 14.1/15
Left Out: 514.232+/-296.438 χ²/NDF:42.4/23
Right Out: -108.619+/-485.553 χ²/NDF: 14.9/18
Left In: -542.806+/-309.764 χ²/NDF:16.5/21
Left: 8.938+/-214.170 χ²/NDF: 65.0/45
Right: -353.830+/-346.348 χ²/NDF: 29.5/34
In: -561.149+/-262.464 χ²/NDF:30.6/37
Out: 345.112+/-253.012 χ²/NDF:58.5/42
All: -91.407+/-182.157 χ²/NDF: 95.3/80



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1292.006+/-0.210 χ^2/NDF:229758.9/23

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.794+/-0.219 χ^2/NDF:42305.1/21

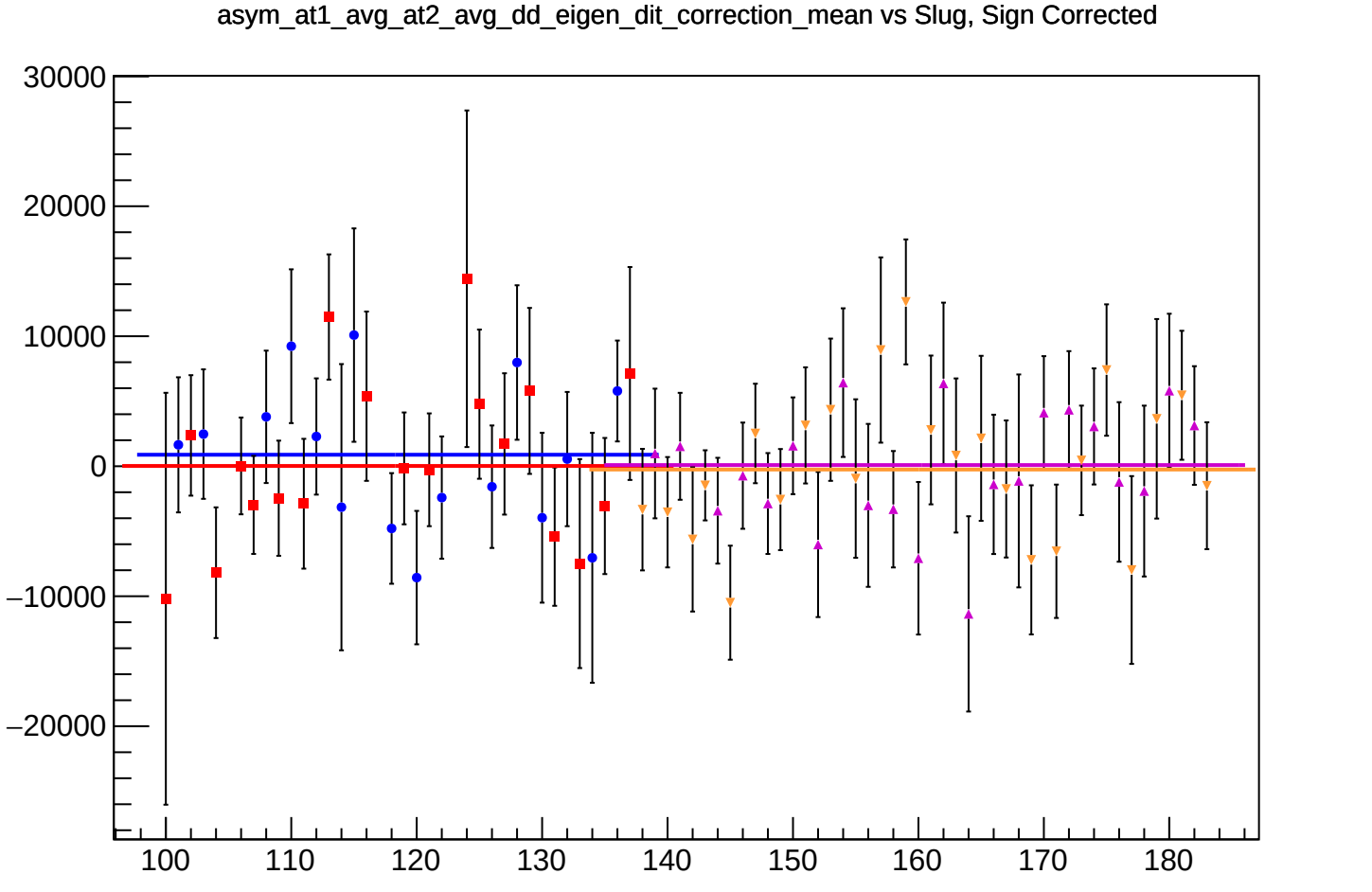
Left: 1302.899+/-0.151 χ^2/NDF: 277713.8/45

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1311.778+/-0.186 χ^2/NDF:553566.8/37

Out: 1293.580+/-0.179 χ^2/NDF:443063.2/42

All: 1302.344+/-0.129 χ^2/NDF: 1001614.9/80



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -254.194+/-983.677 χ^2/NDF:27.3/23

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 89.973+/-1055.956 χ^2/NDF:13.6/21

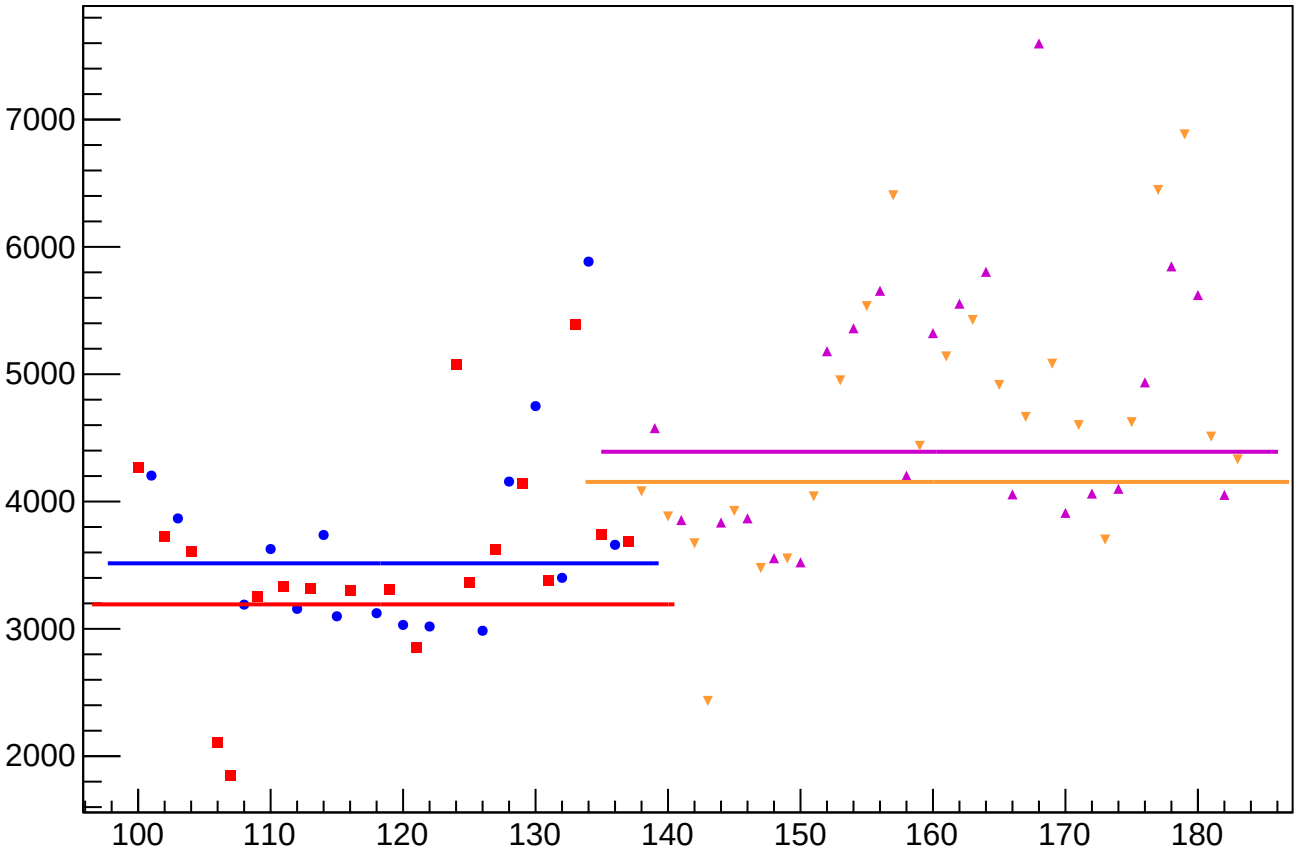
Left: -94.292+/-719.762 χ^2/NDF: 40.9/45

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 397.731+/-826.370 χ^2/NDF:27.9/37

Out: -143.725+/-760.749 χ^2/NDF:44.1/42

All: 104.654+/-559.694 χ^2/NDF: 72.3/80



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4154.044+/-0.696 χ^2/NDF:2079744.9/23

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4390.861+/-0.747 χ^2/NDF:1251587.6/21

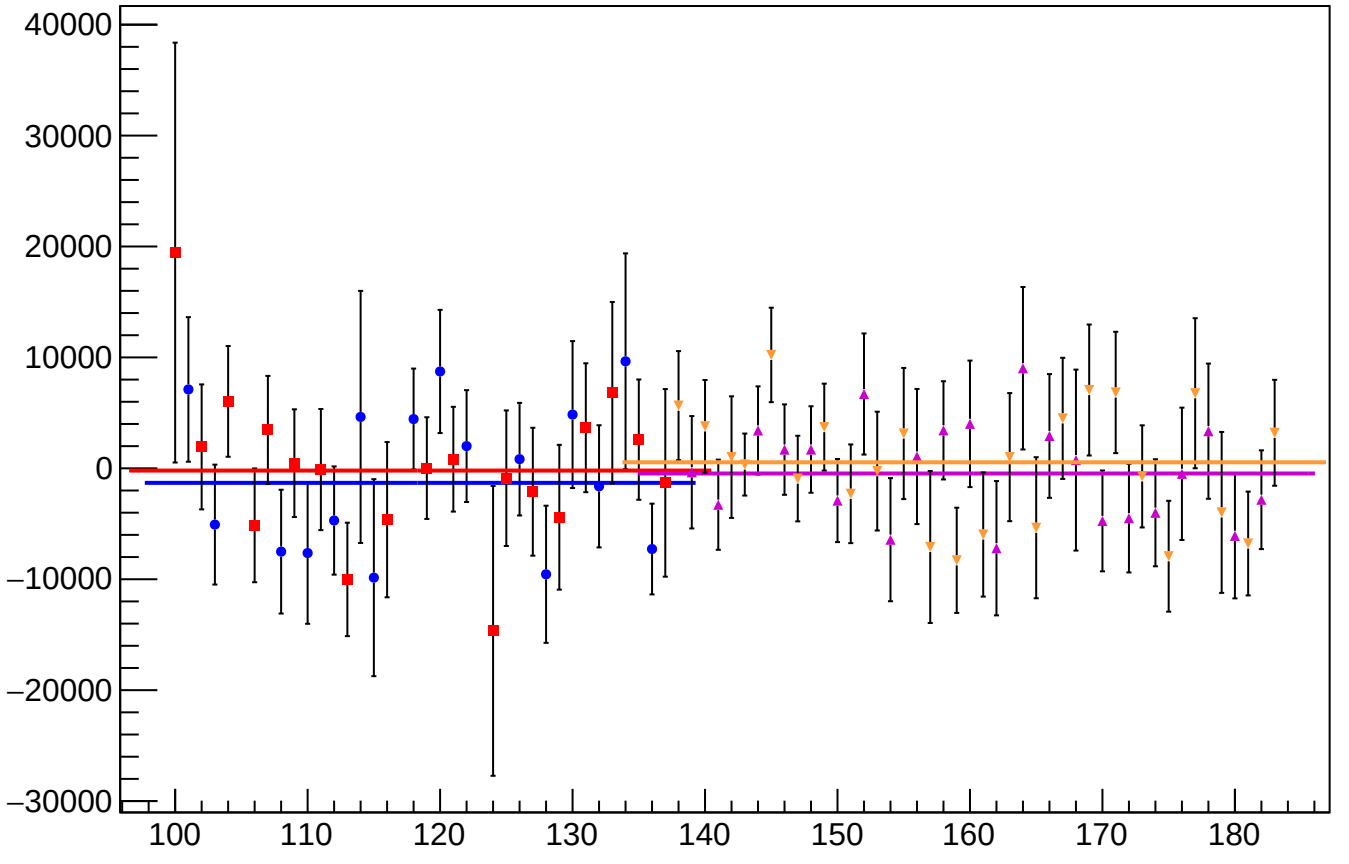
Left: 4264.071+/-0.509 χ^2/NDF: 3385188.7/45

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4051.303+/-0.584 χ^2/NDF:2160273.7/37

Out: 3767.483+/-0.538 χ^2/NDF:3620754.4/42

All: 3897.678+/-0.396 χ^2/NDF: 5908726.3/80



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 544.185+/-986.773 χ^2/NDF:25.2/23

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -465.712+/-1055.508 χ^2/NDF:13.8/21

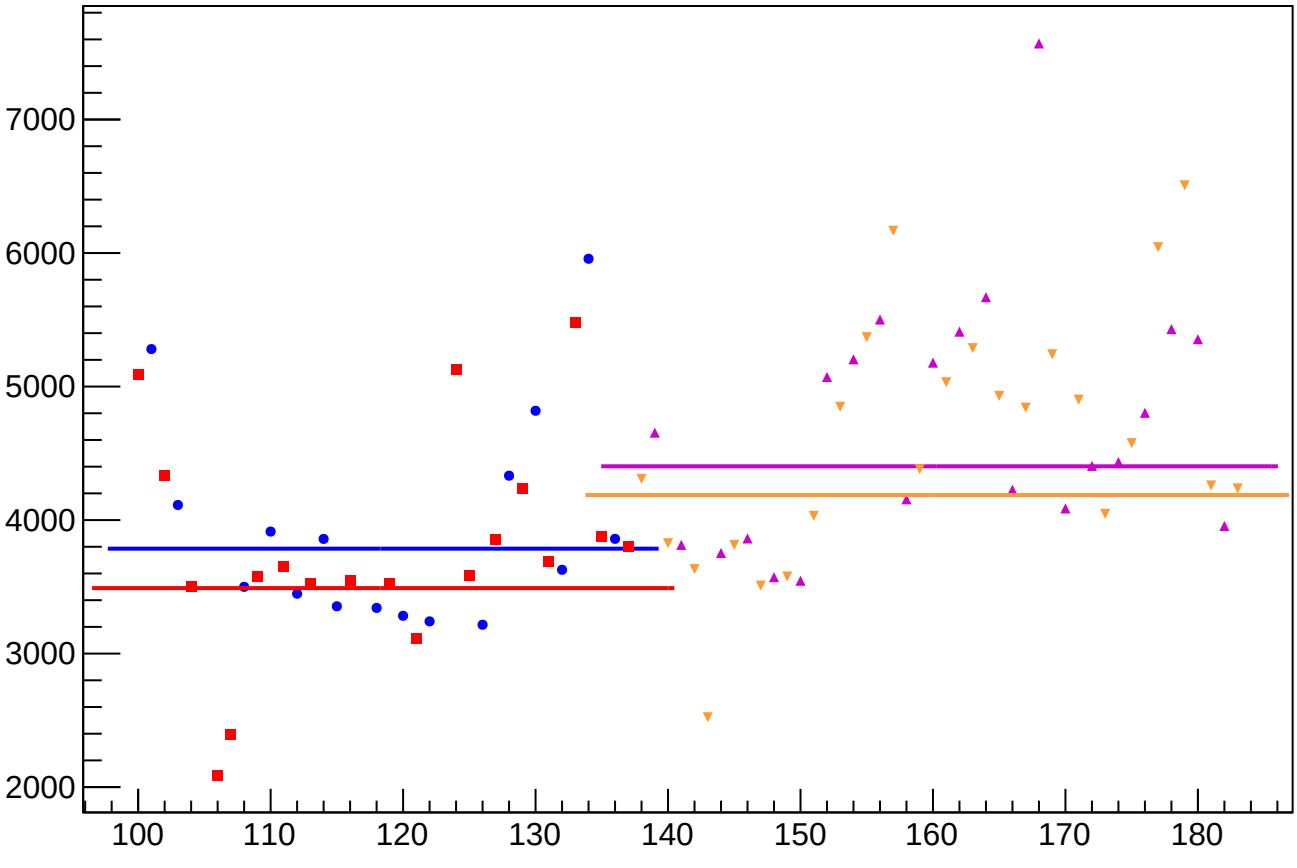
Left: 73.187+/-720.830 χ^2/NDF: 39.6/45

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -762.804+/-849.565 χ^2/NDF:31.6/37

Out: 280.960+/-793.753 χ^2/NDF:37.1/42

All: -205.513+/-579.996 χ^2/NDF: 69.5/80



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4187.415+/-0.698 χ^2/NDF:1796318.2/23

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4402.755+/-0.746 χ^2/NDF:1082128.6/21

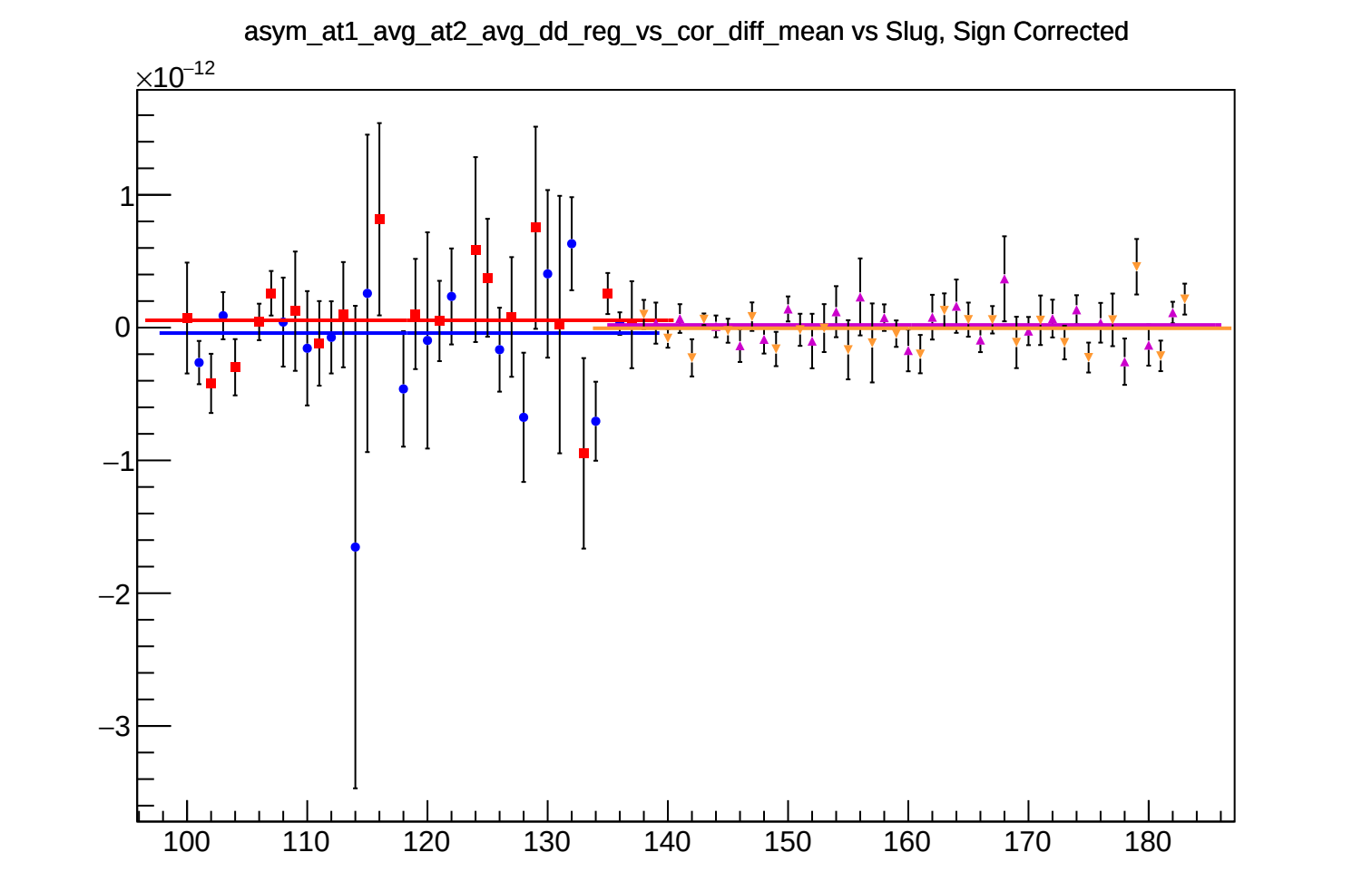
Left: 4287.845+/-0.510 χ^2/NDF: 2922867.8/45

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4185.479+/-0.601 χ^2/NDF:1705774.3/37

Out: 3937.090+/-0.559 χ^2/NDF:2741300.5/42

All: 4052.254+/-0.409 χ^2/NDF: 4538771.4/80



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/21

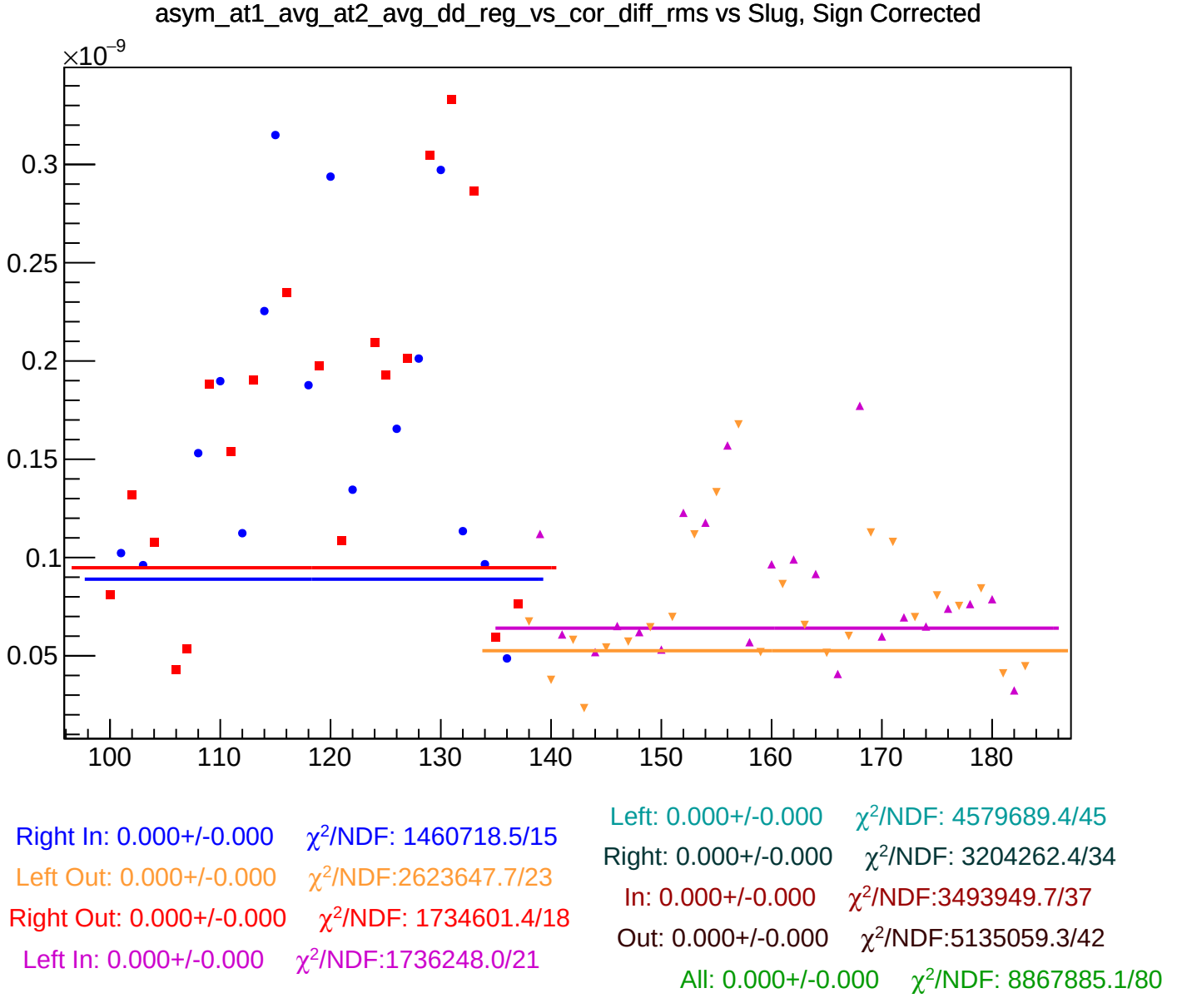
Left: 0.000+/-0.000 χ^2/NDF: 47.7/45

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

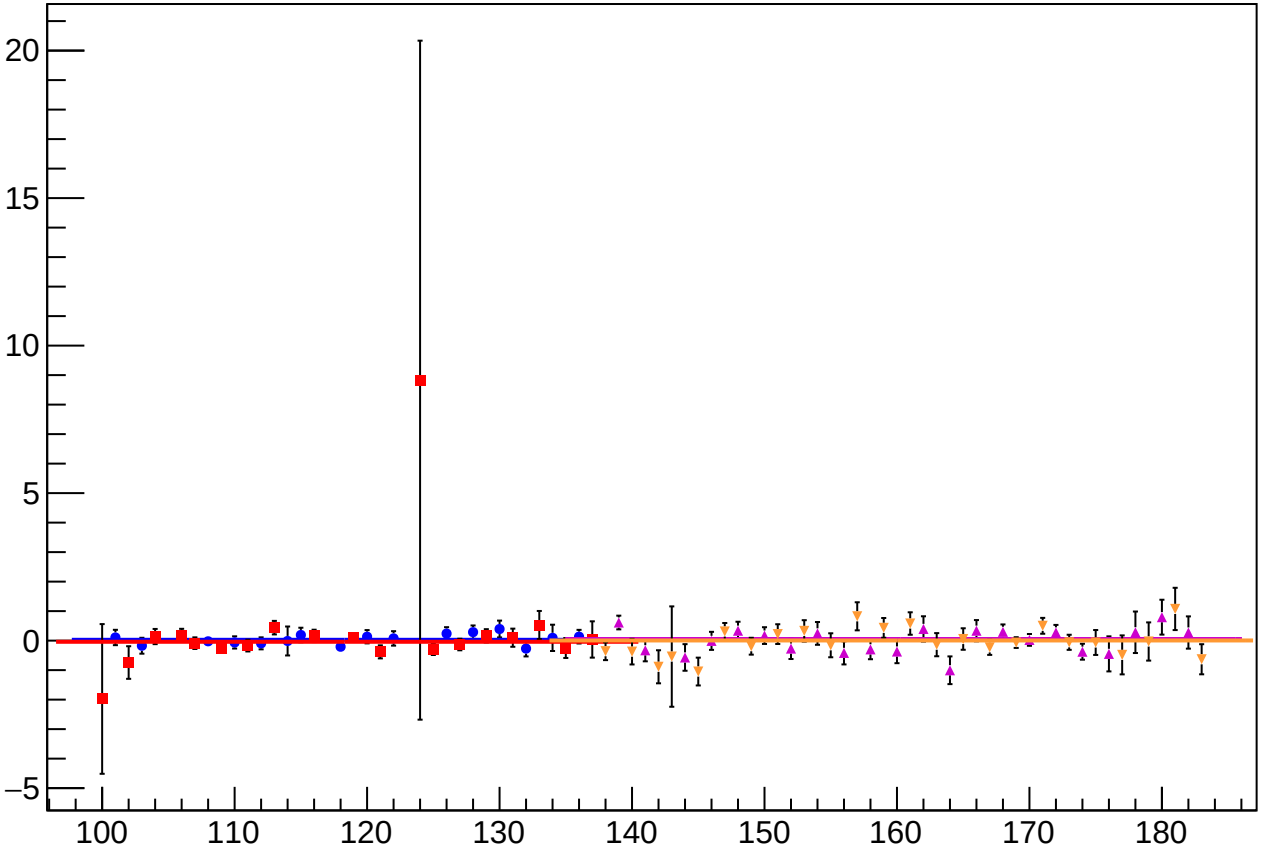
In: 0.000+/-0.000 χ^2/NDF:34.5/37

Out: 0.000+/-0.000 χ^2/NDF:46.9/42

All: 0.000+/-0.000 χ^2/NDF: 81.5/80


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 1460718.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2623647.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 1734601.4/18
Left In: 0.000+/-0.000 χ²/NDF:1736248.0/21
Left: 0.000+/-0.000 χ²/NDF: 4579689.4/45
Right: 0.000+/-0.000 χ²/NDF: 3204262.4/34
In: 0.000+/-0.000 χ²/NDF:3493949.7/37
Out: 0.000+/-0.000 χ²/NDF:5135059.3/42
All: 0.000+/-0.000 χ²/NDF: 8867885.1/80

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: 0.005+/-0.071 χ^2/NDF:28.6/23

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: 0.030+/-0.050 χ^2/NDF: 56.6/45

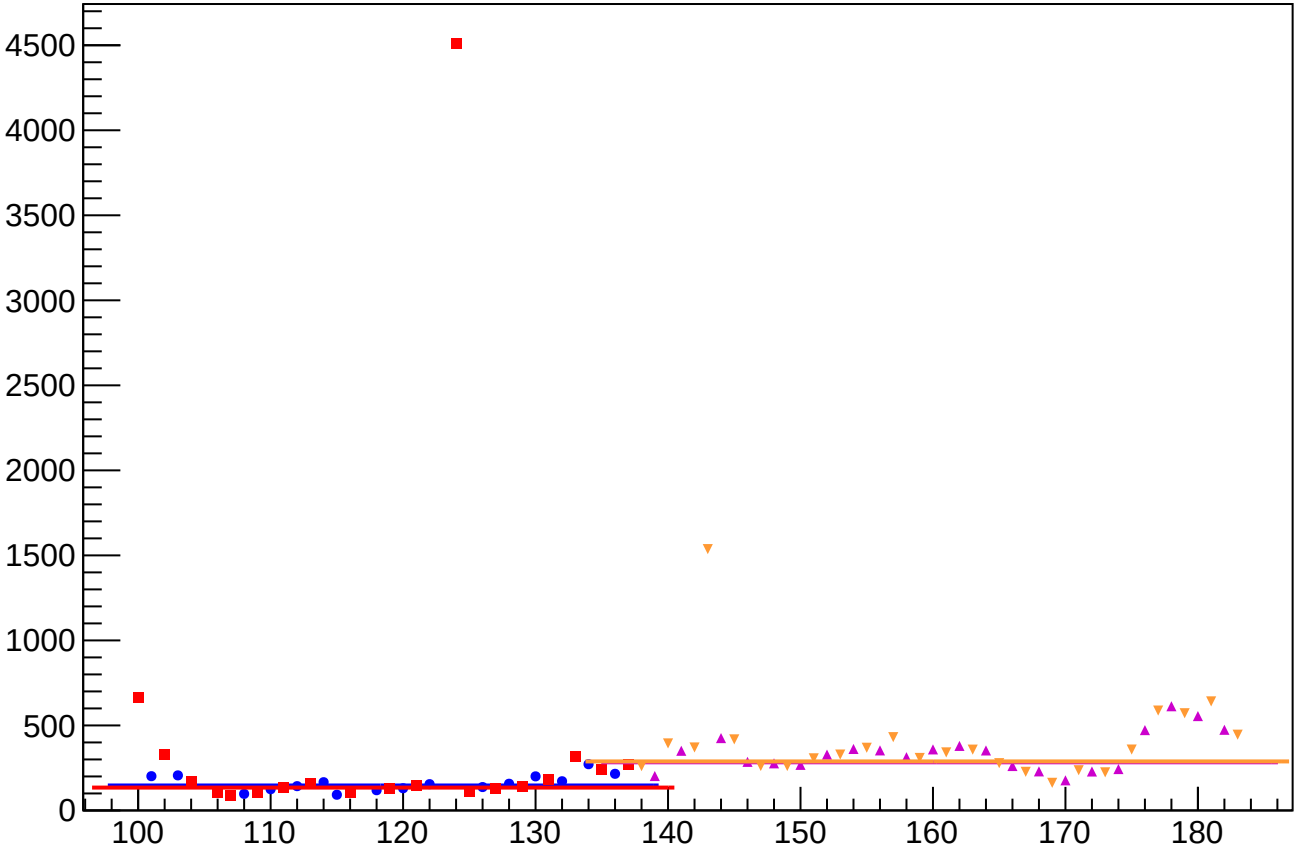
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/80

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636058.1/23

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: 285.703+/-0.036 χ^2/NDF: 7672019.0/45

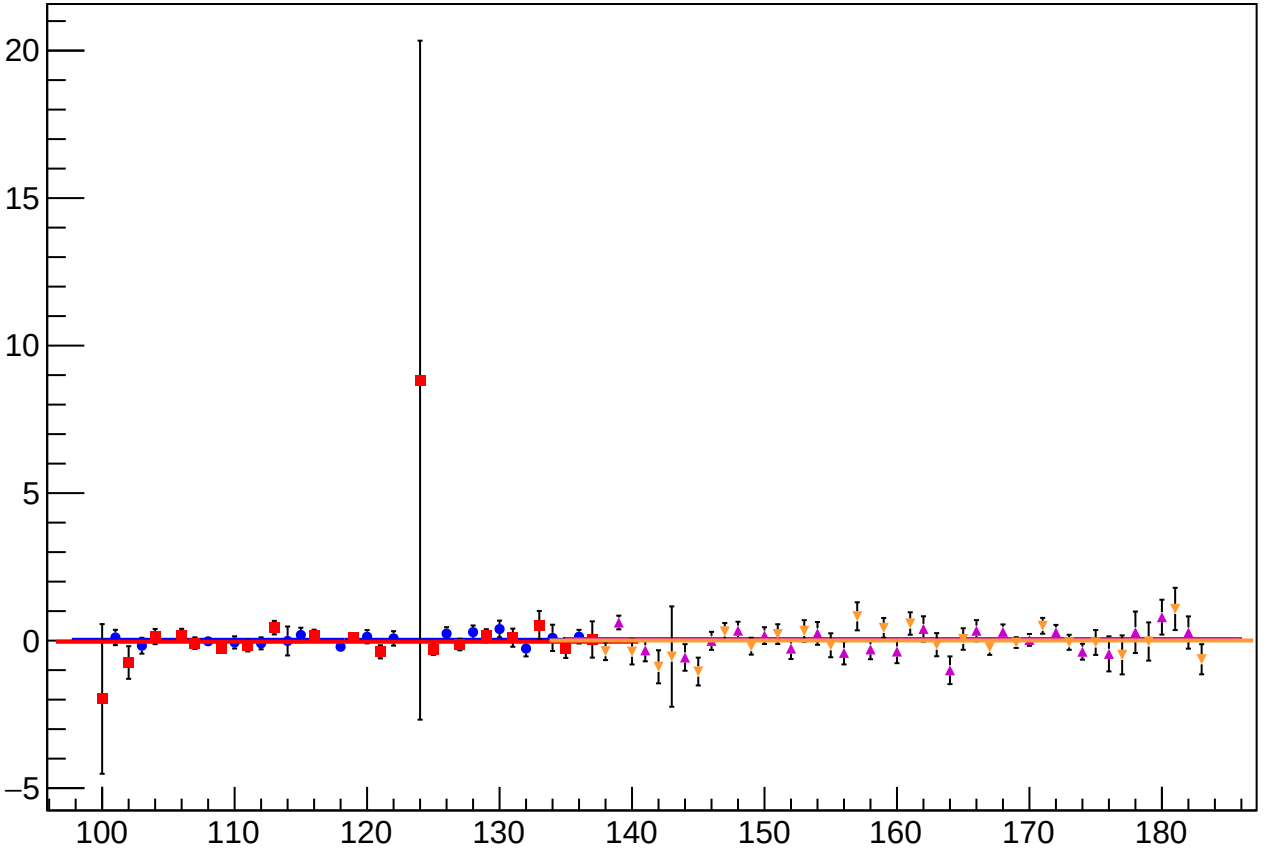
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 201.288+/-0.032 χ^2/NDF:8487835.3/37

Out: 191.482+/-0.031 χ^2/NDF:12084157.8/42

All: 196.246+/-0.022 χ^2/NDF: 20621452.0/80

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

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: 0.030+/-0.050 χ^2/NDF: 56.6/45

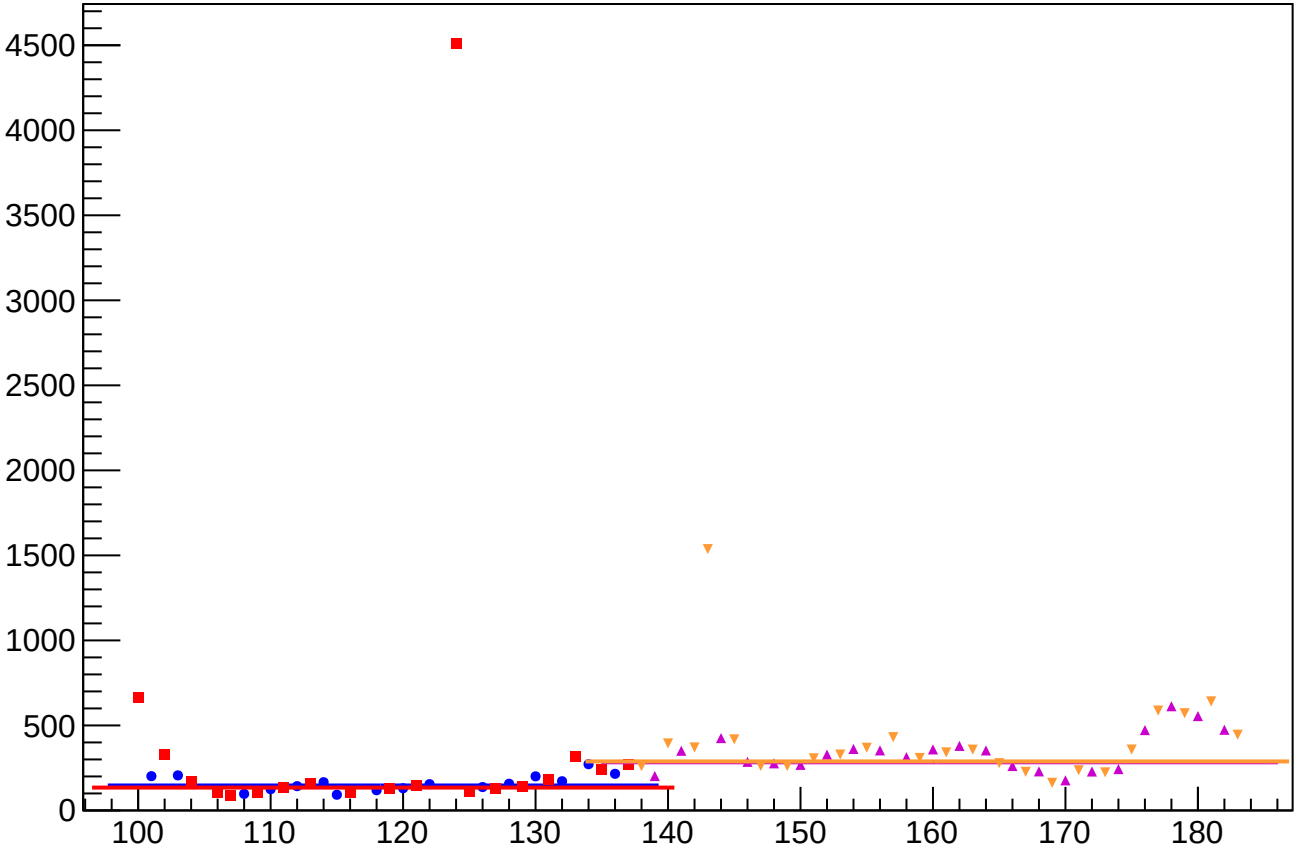
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/80

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: 288.333+/-0.051 χ^2/NDF:4636058.1/23

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 283.124+/-0.050 χ^2/NDF:3030589.5/21

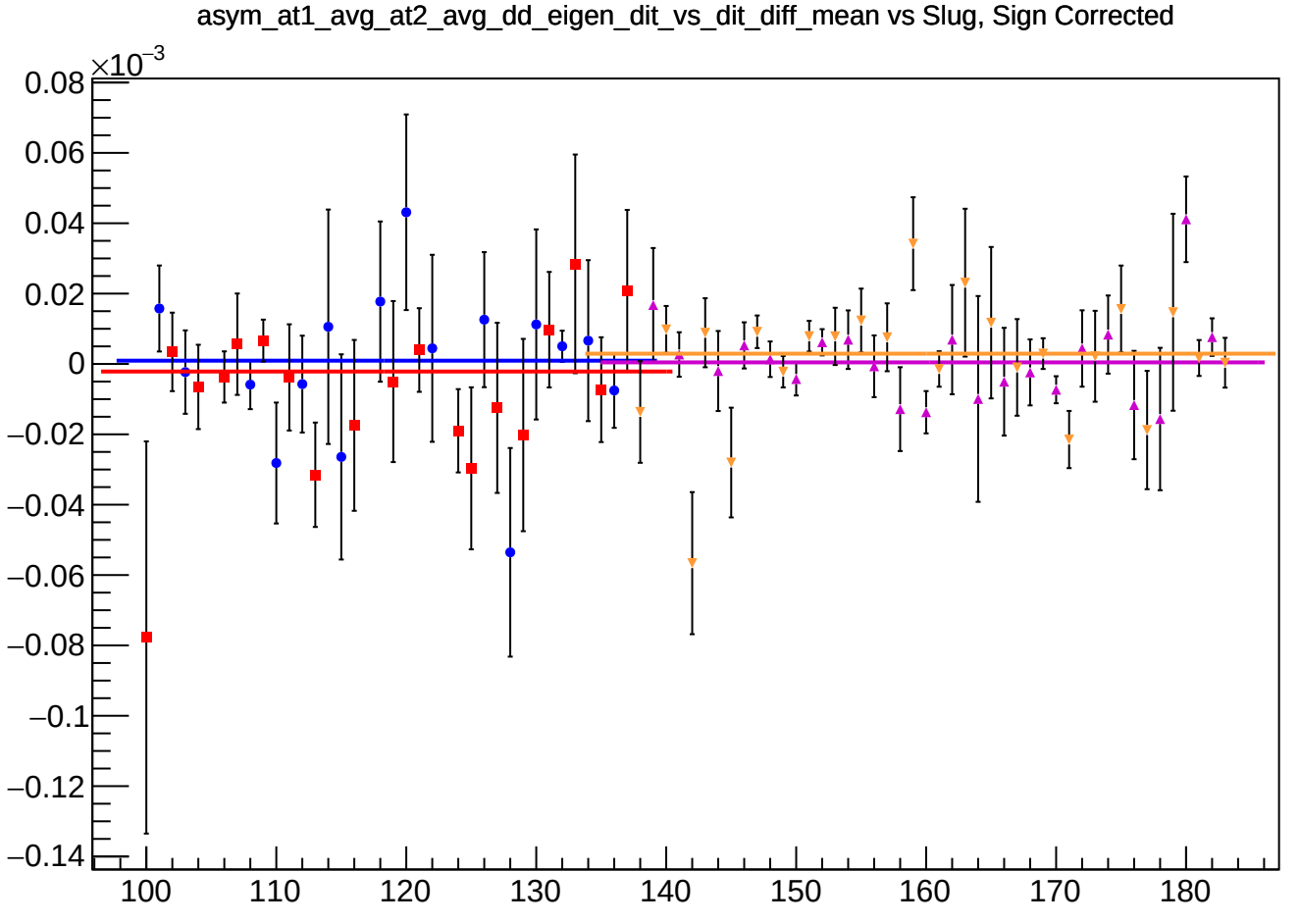
Left: 285.703+/-0.036 χ^2/NDF: 7672019.0/45

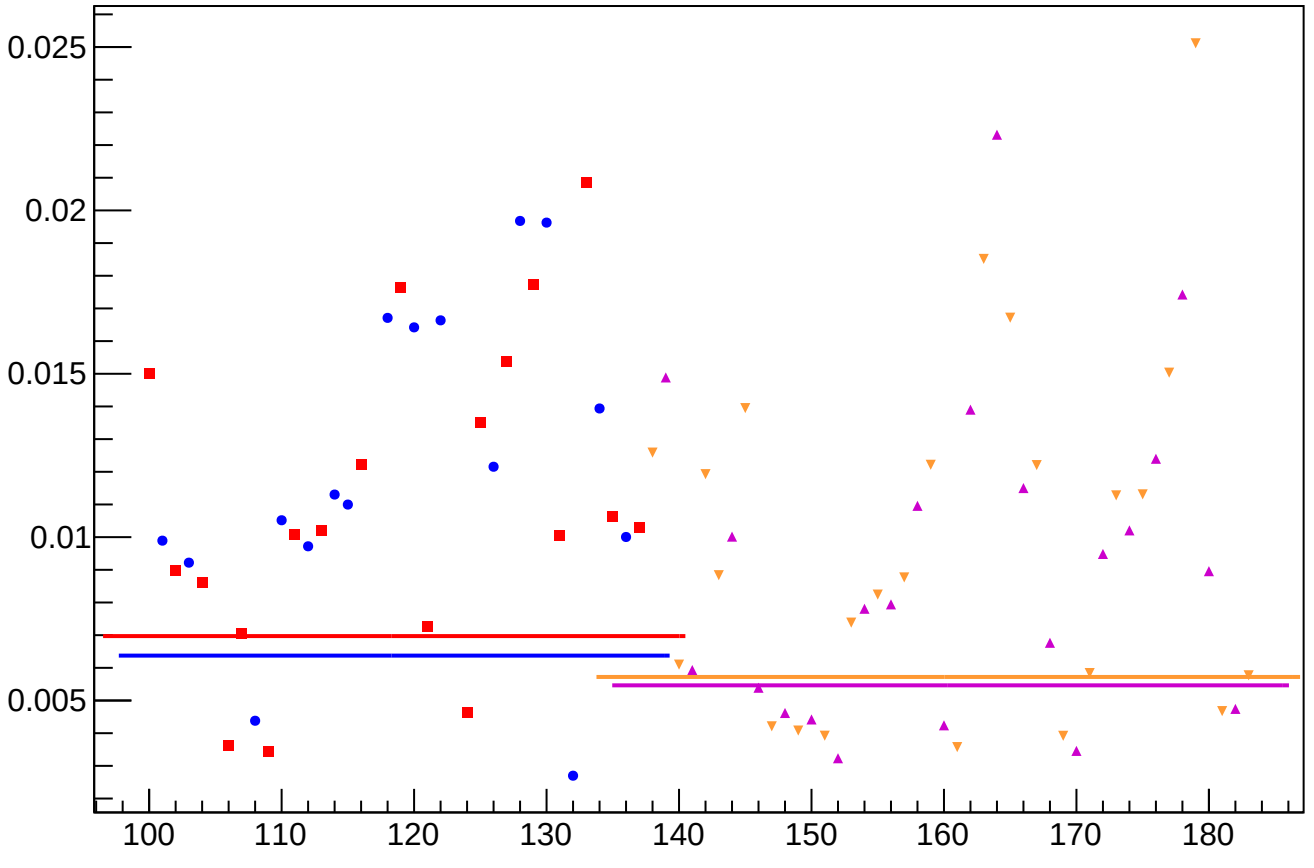
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 201.288+/-0.032 χ^2/NDF:8487835.3/37

Out: 191.482+/-0.031 χ^2/NDF:12084157.8/42

All: 196.246+/-0.022 χ^2/NDF: 20621452.0/80


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:41.1/23
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: 74.4/45
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:59.4/42
All: 0.000+/-0.000 χ²/NDF: 106.8/80



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7997892.5/23

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6796454.6/21

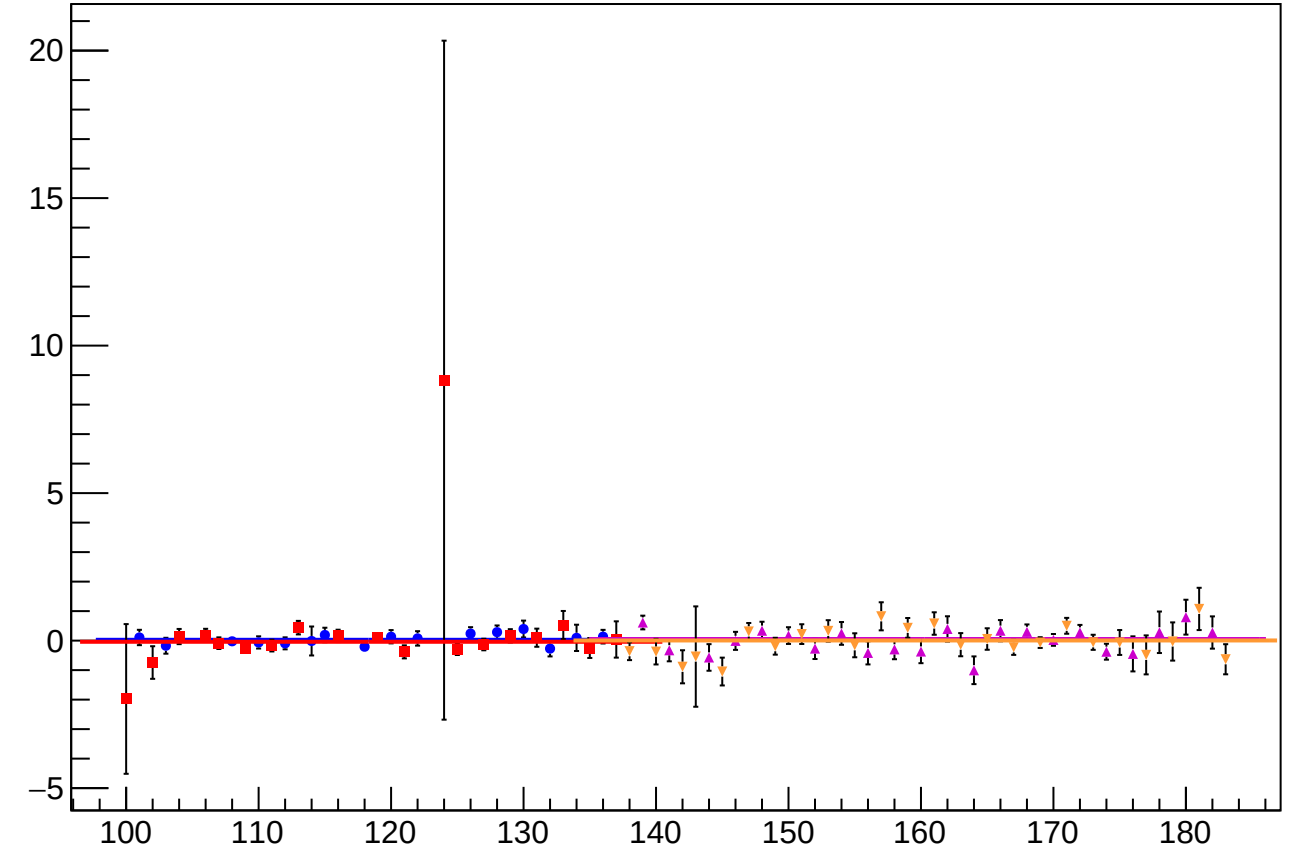
Left: 0.006+/-0.000 χ^2/NDF: 14822750.2/45

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:11681982.3/42

All: 0.006+/-0.000 χ^2/NDF: 23325584.6/80



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

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: 0.030+/-0.050 χ^2/NDF: 56.6/45

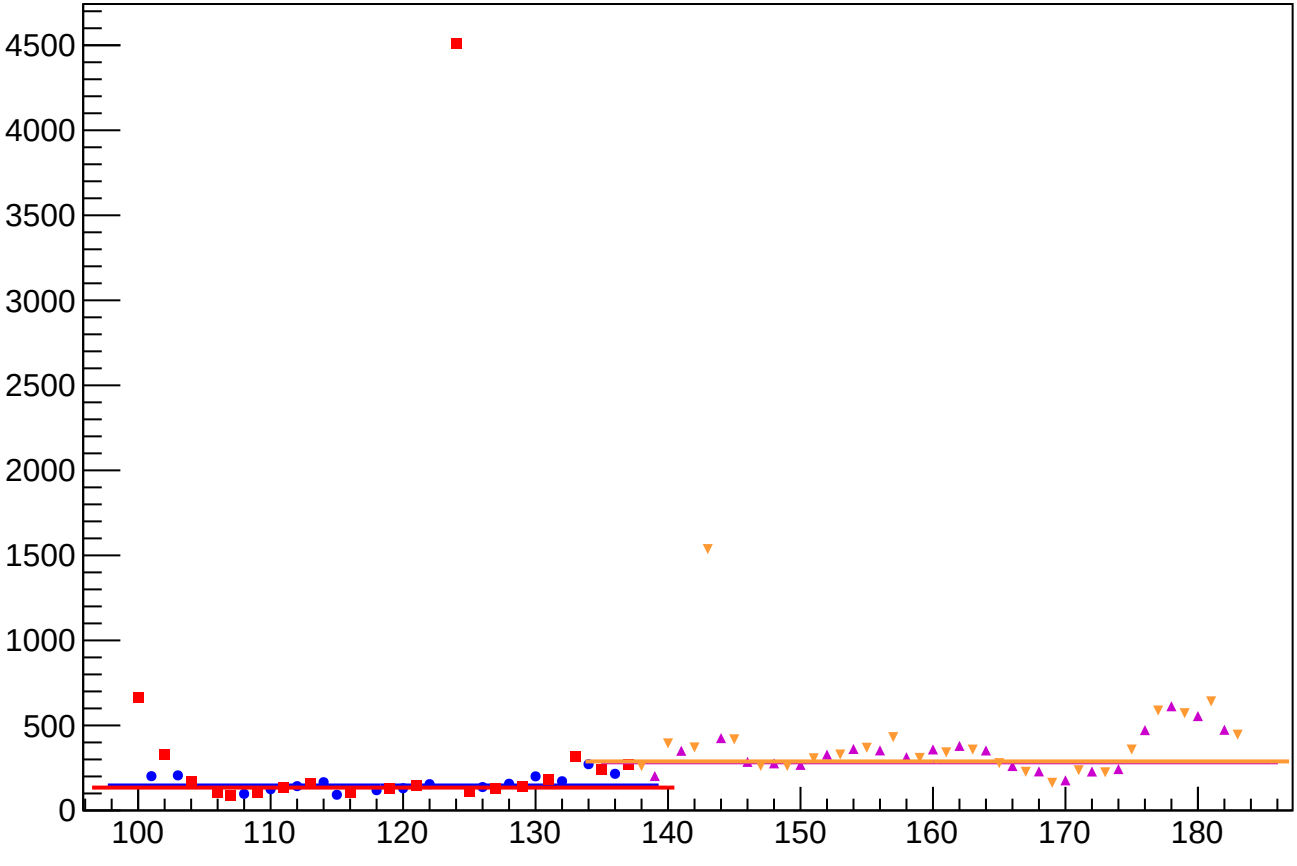
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/80

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: 288.333+/-0.051 χ^2/NDF:4636246.5/23

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: 285.704+/-0.036 χ^2/NDF: 7672307.9/45

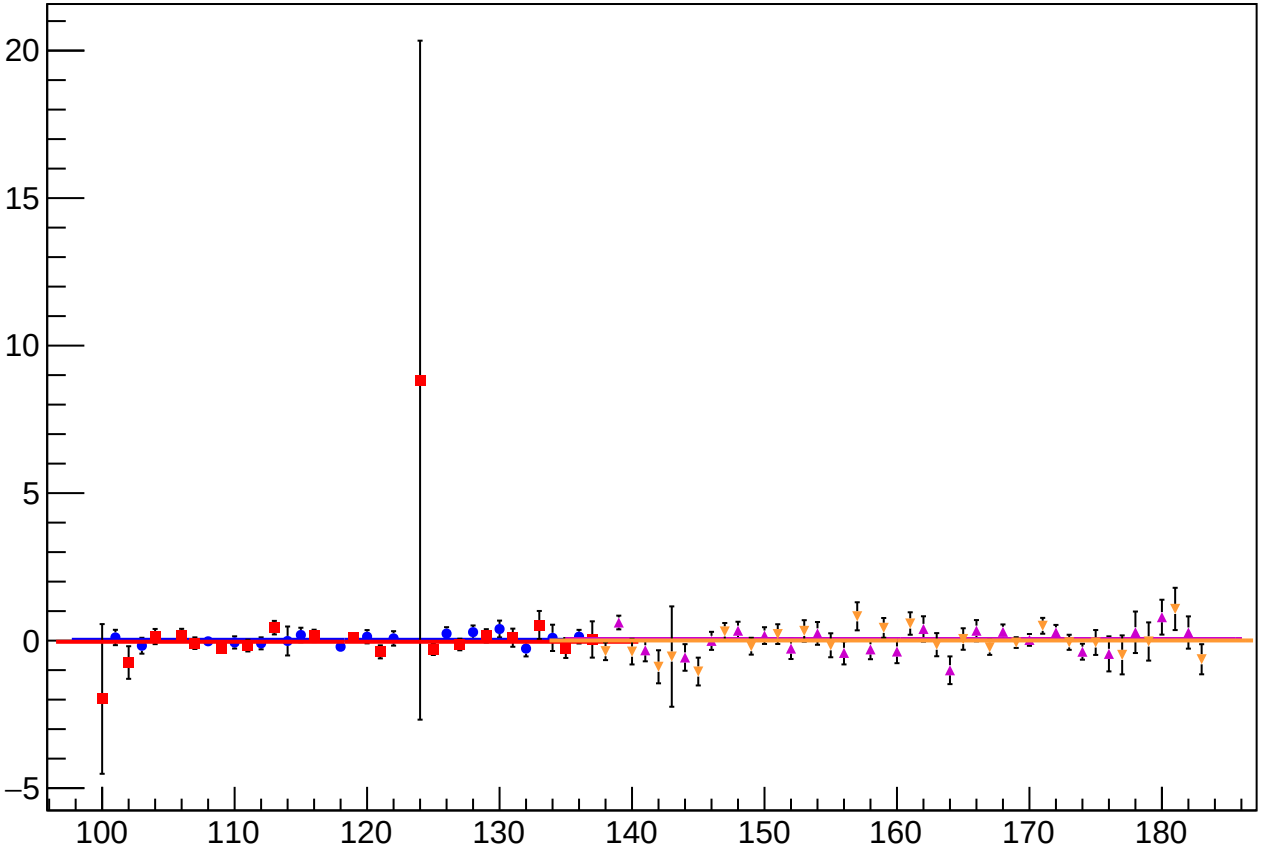
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 201.288+/-0.032 χ^2/NDF:8487953.1/37

Out: 191.483+/-0.031 χ^2/NDF:12084132.9/42

All: 196.247+/-0.022 χ^2/NDF: 20621533.3/80

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: 0.005+/-0.071 χ^2/NDF:28.6/23

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: 0.030+/-0.050 χ^2/NDF: 56.6/45

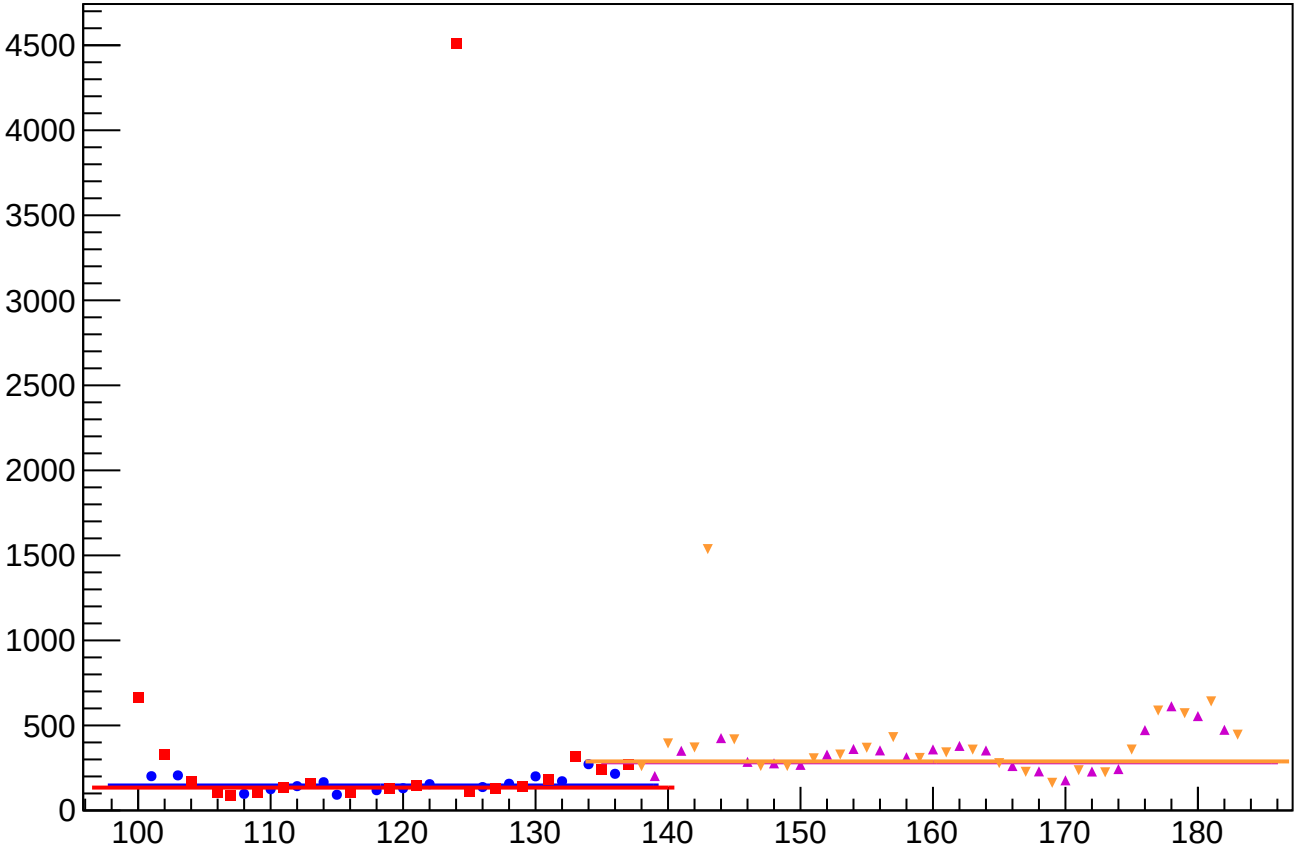
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/80

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: 288.333+/-0.051 χ^2/NDF:4636246.5/23

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 283.125+/-0.050 χ^2/NDF:3030693.1/21

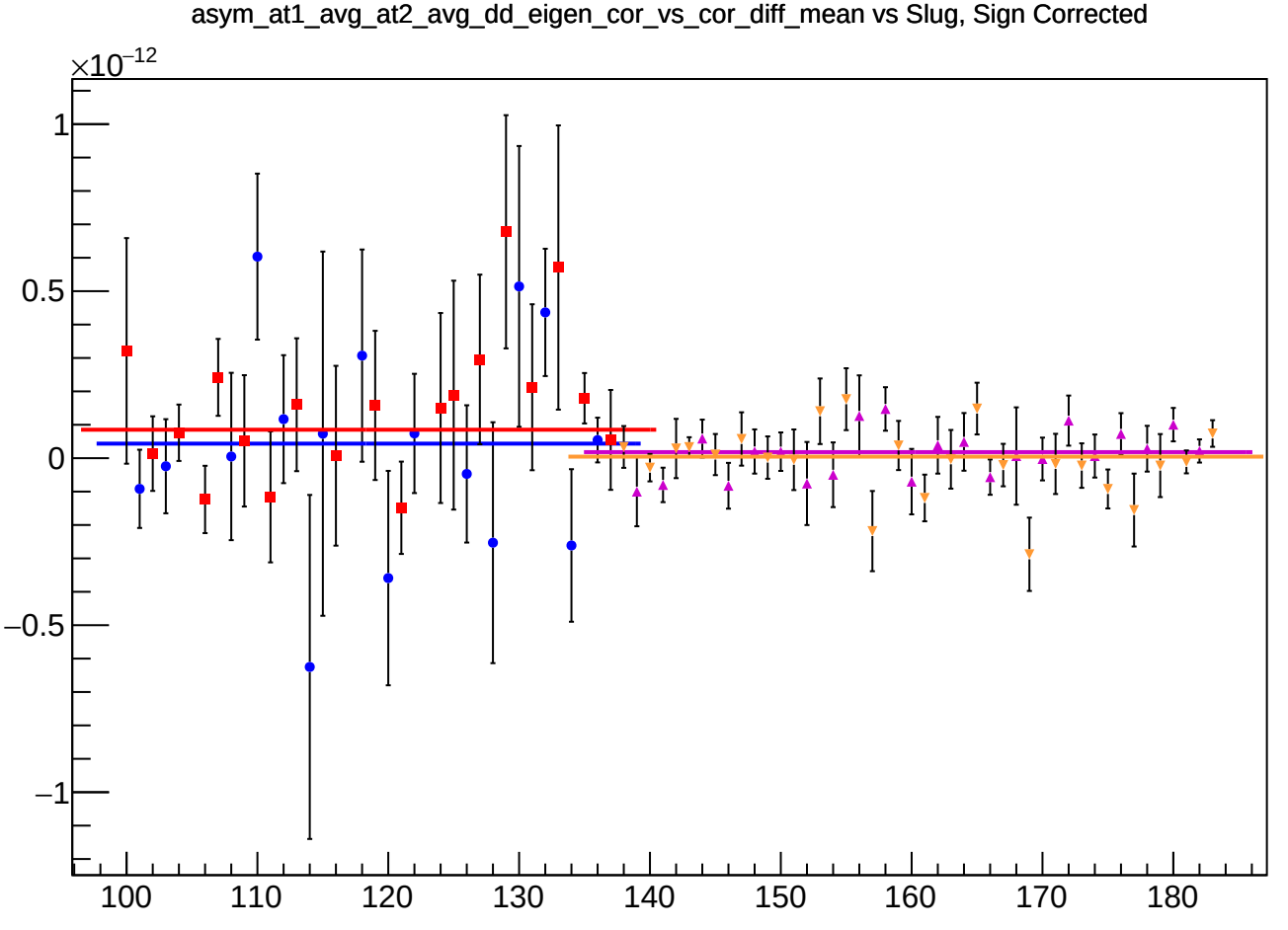
Left: 285.704+/-0.036 χ^2/NDF: 7672307.9/45

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 201.288+/-0.032 χ^2/NDF:8487953.1/37

Out: 191.483+/-0.031 χ^2/NDF:12084132.9/42

All: 196.247+/-0.022 χ^2/NDF: 20621533.3/80



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.6/23

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: 55.8/45

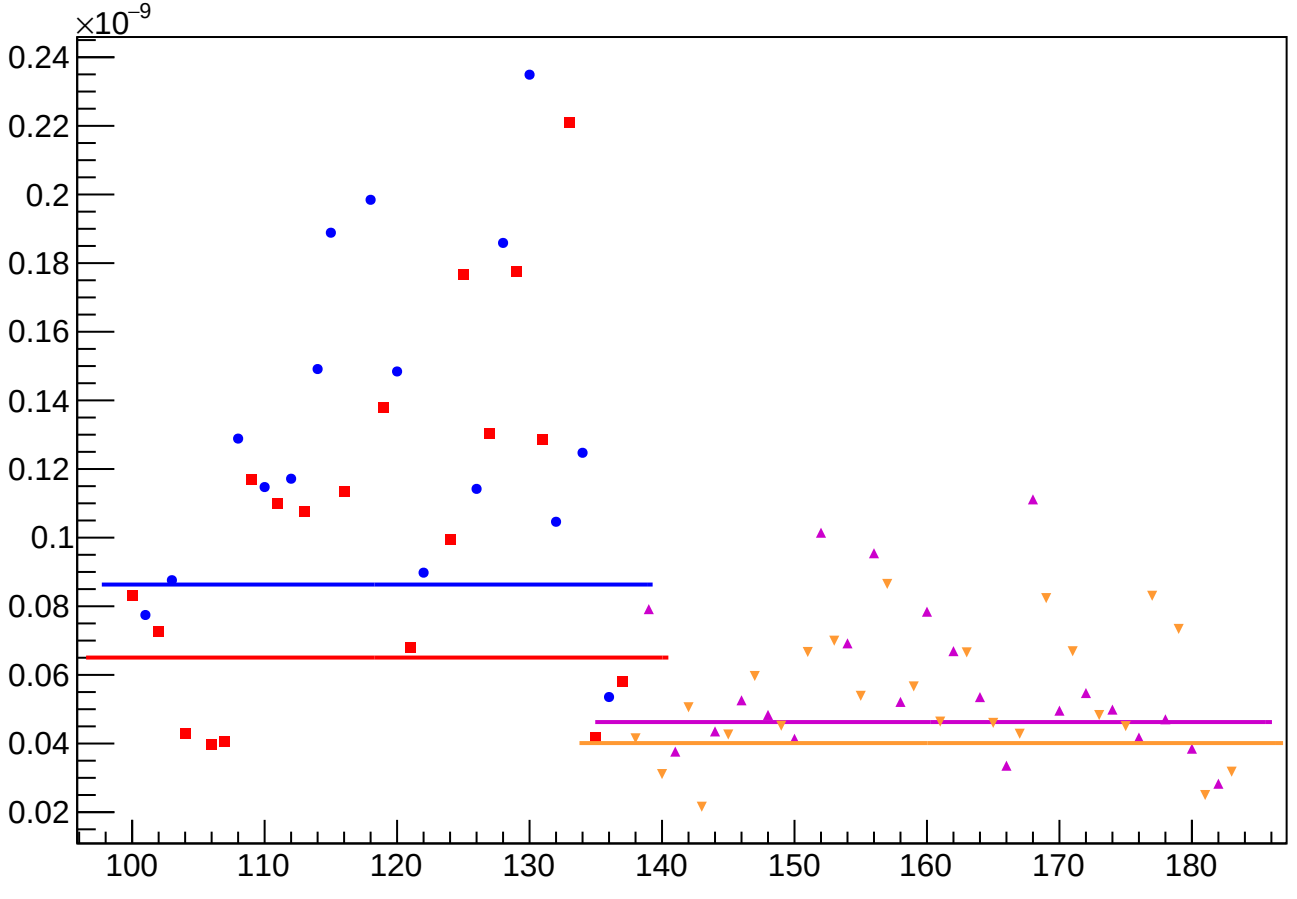
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:40.9/37

Out: 0.000+/-0.000 χ^2/NDF:56.8/42

All: 0.000+/-0.000 χ^2/NDF: 97.8/80

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:3609550.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2636841.6/21

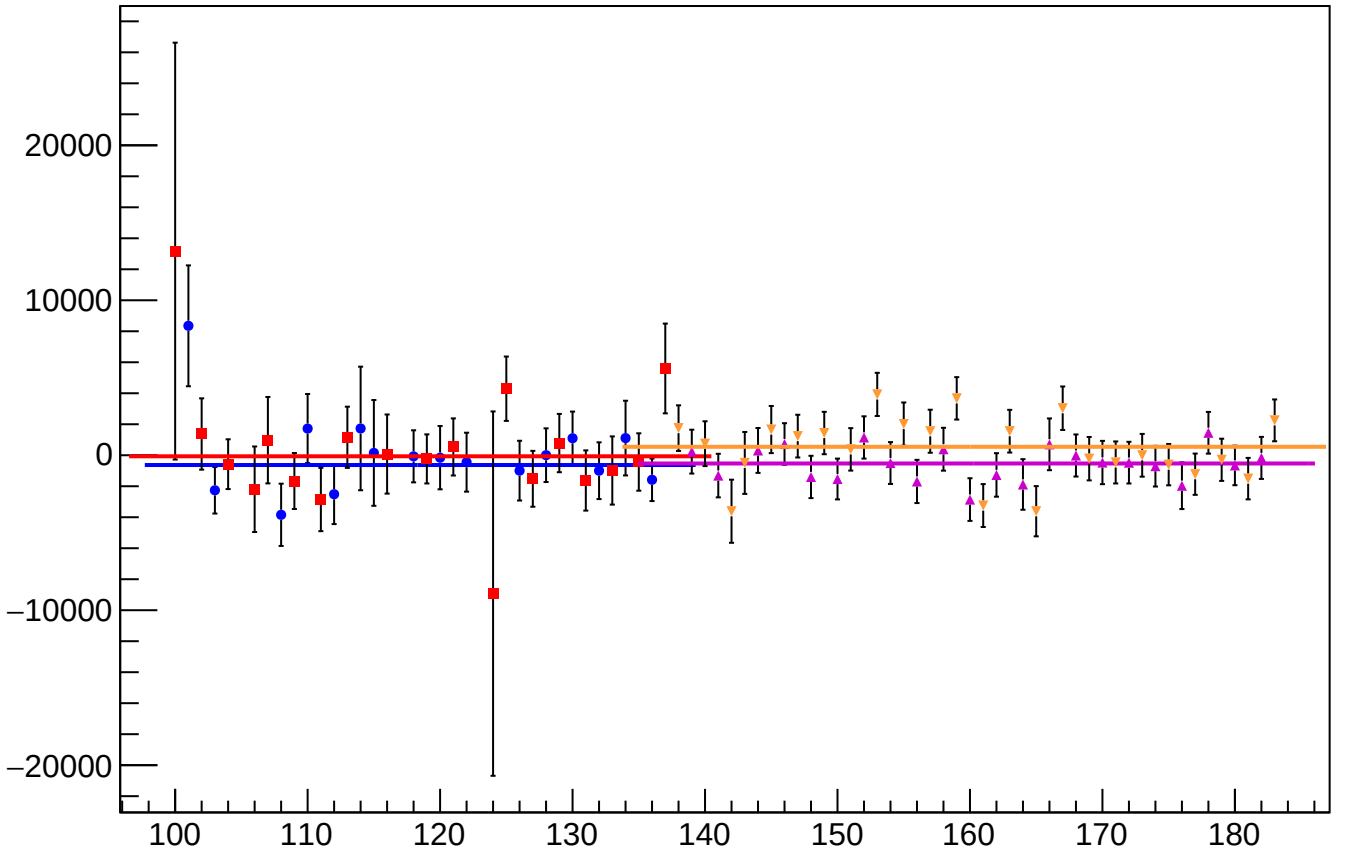
Left: 0.000+/-0.000 χ^2/NDF: 6462264.4/45

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:6705937.3/42

All: 0.000+/-0.000 χ^2/NDF: 12821942.0/80



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.182+/-290.725 χ^2/NDF:44.7/23

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -531.379+/-296.419 χ^2/NDF:13.2/21

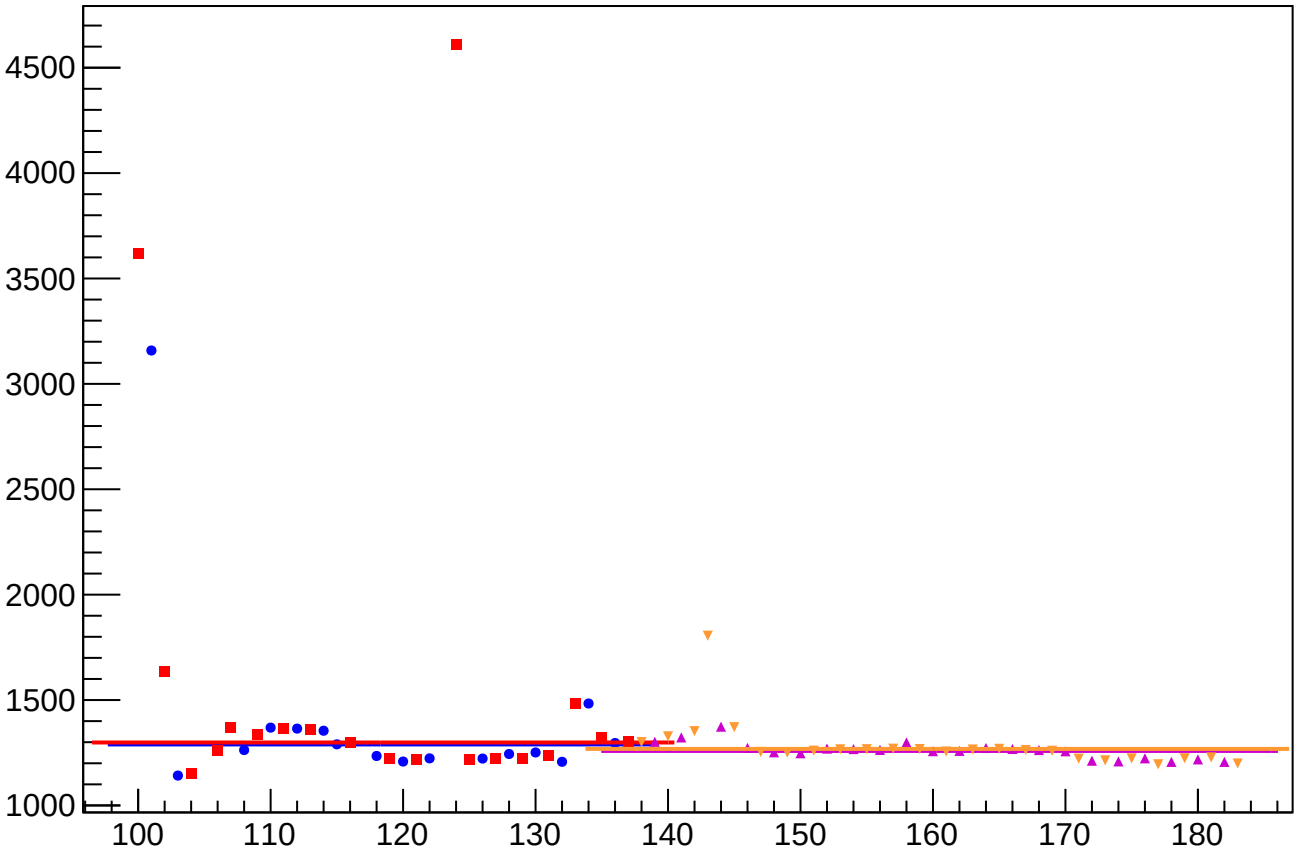
Left: 17.340+/-207.557 χ^2/NDF: 64.6/45

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -558.187+/-253.437 χ^2/NDF:27.1/37

Out: 384.539+/-249.730 χ^2/NDF:61.7/42

All: -79.879+/-177.882 χ^2/NDF: 95.9/80



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.5/23

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: 1263.469+/-0.147 χ^2/NDF: 221825.2/45

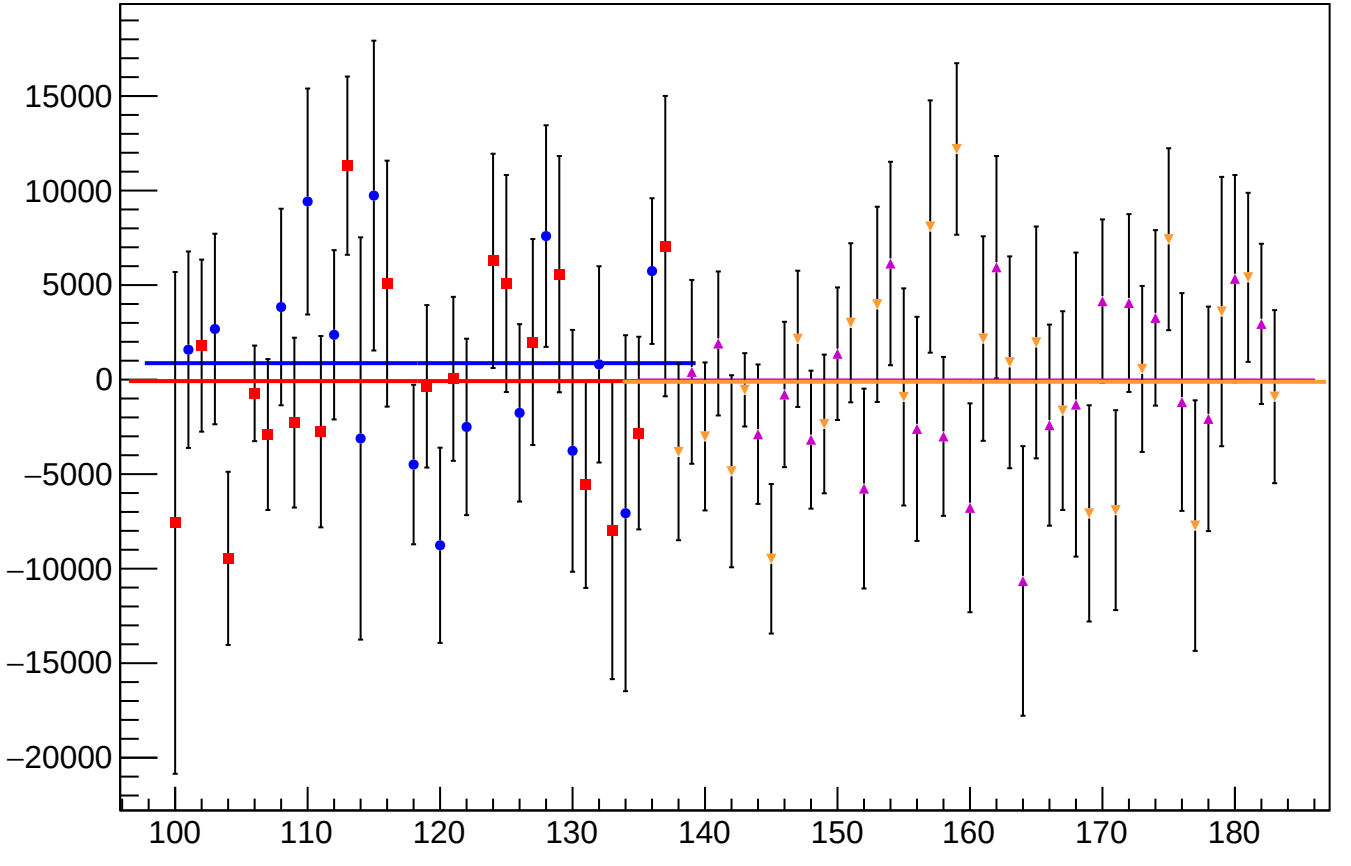
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1266.879+/-0.179 χ^2/NDF:556014.6/37

Out: 1276.202+/-0.176 χ^2/NDF:510415.6/42

All: 1271.612+/-0.126 χ^2/NDF: 1067804.1/80

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -115.787+/-892.046 χ^2/NDF:27.7/23

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -44.515+/-1005.631 χ^2/NDF:13.8/21

Left: -84.402+/-667.332 χ^2/NDF: 41.5/45

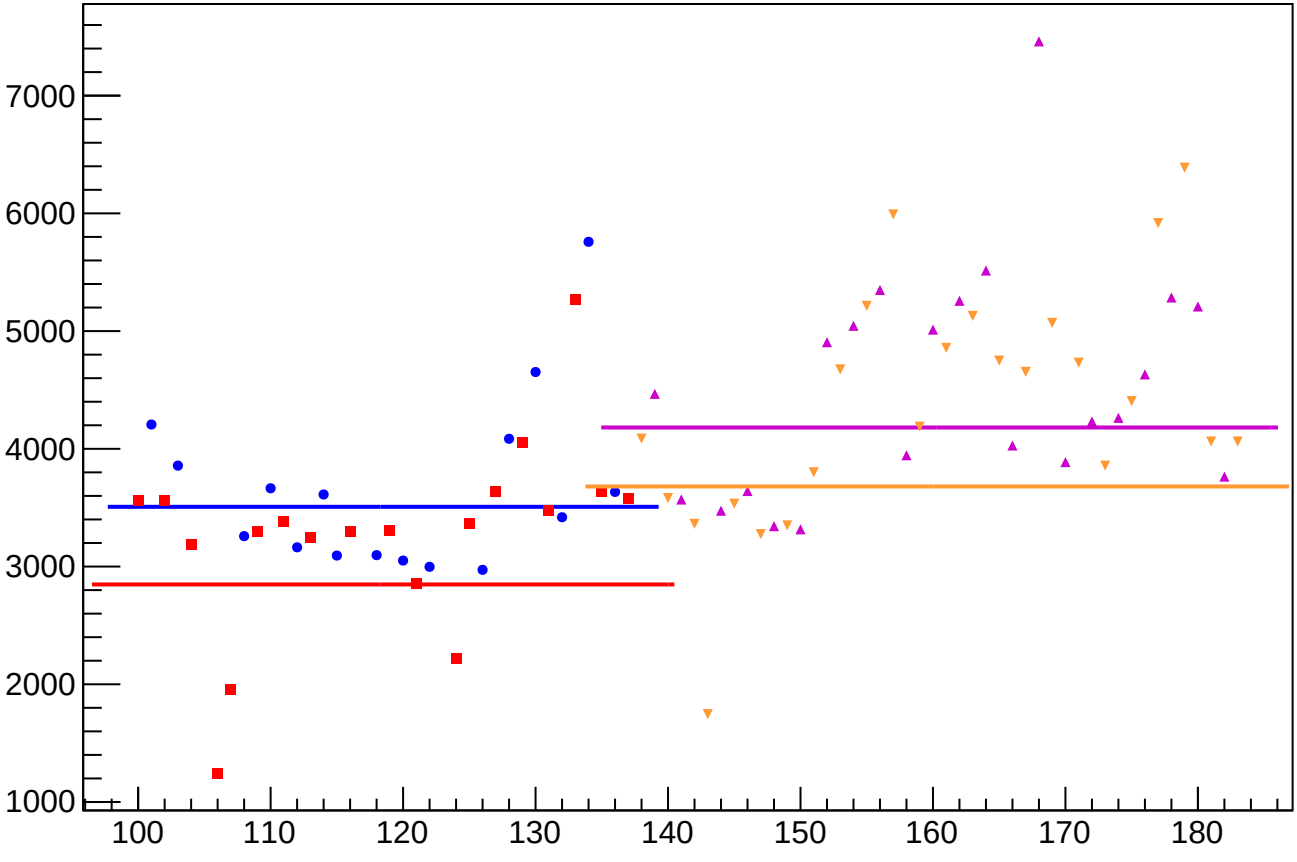
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 289.754+/-801.106 χ^2/NDF:28.1/37

Out: -100.711+/-695.597 χ^2/NDF:46.1/42

All: 67.132+/-525.231 χ^2/NDF: 74.3/80

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3680.236+/-0.631 χ^2/NDF:3689489.6/23

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4181.302+/-0.711 χ^2/NDF:1269136.5/21

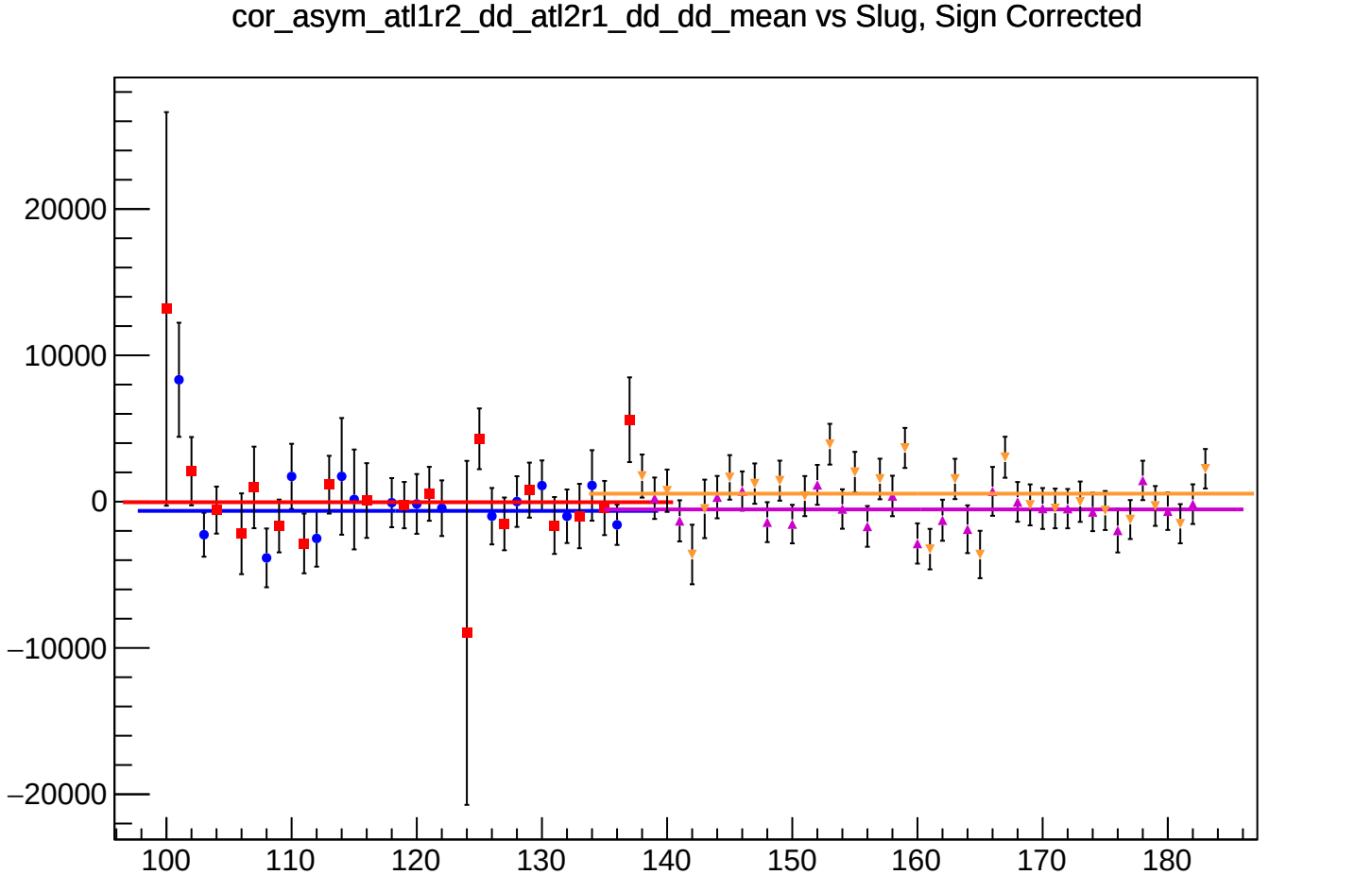
Left: 3900.885+/-0.472 χ^2/NDF: 5236503.2/45

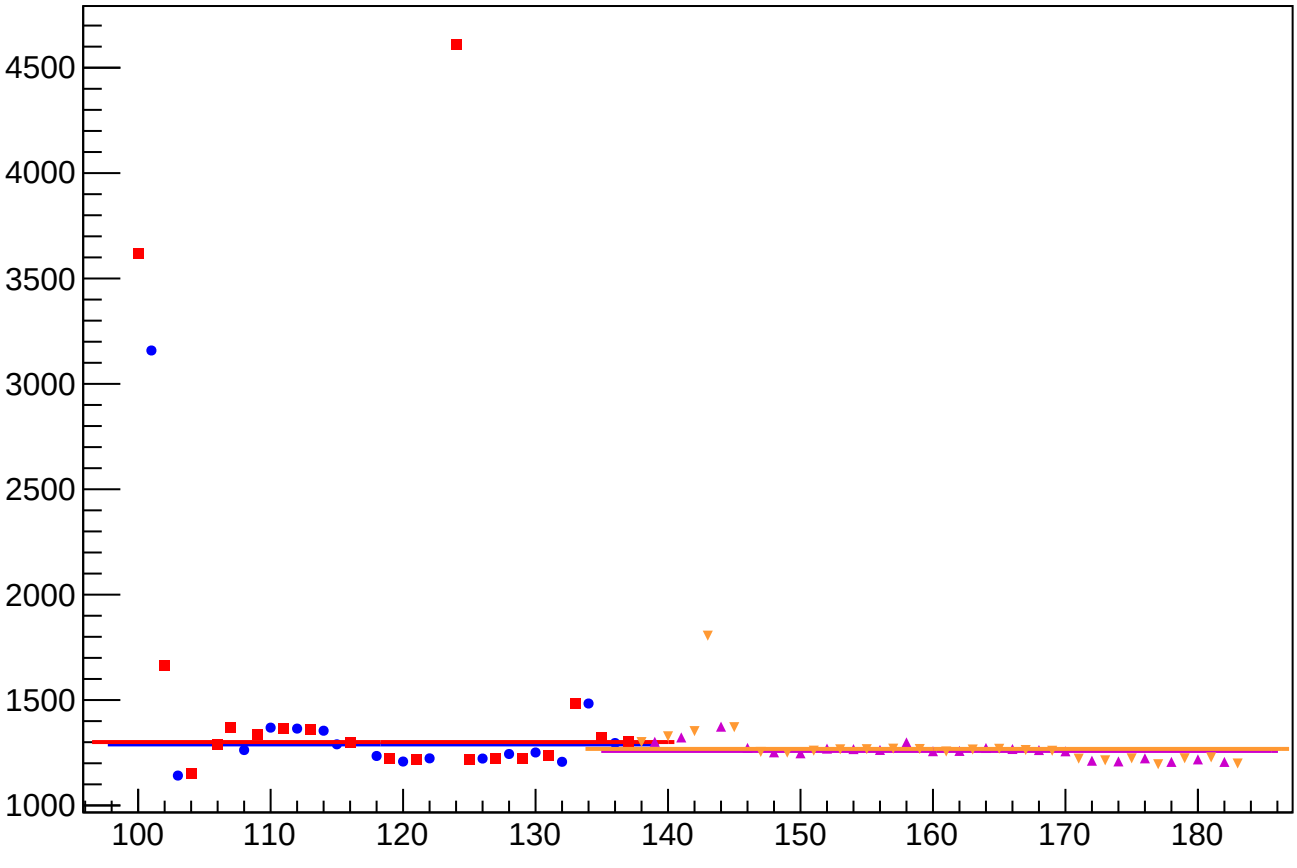
Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3935.059+/-0.566 χ^2/NDF:1951298.1/37

Out: 3353.977+/-0.492 χ^2/NDF:5871439.9/42

All: 3603.757+/-0.371 χ^2/NDF: 8422683.4/80


cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 545.206+/-290.725 χ²/NDF:44.7/23
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -531.298+/-296.419 χ²/NDF:13.2/21
Left: 17.392+/-207.557 χ²/NDF: 64.6/45
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -558.231+/-253.437 χ²/NDF:27.1/37
Out: 392.313+/-249.773 χ²/NDF:62.1/42
All: -76.039+/-177.898 χ²/NDF: 96.3/80



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.4/23

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

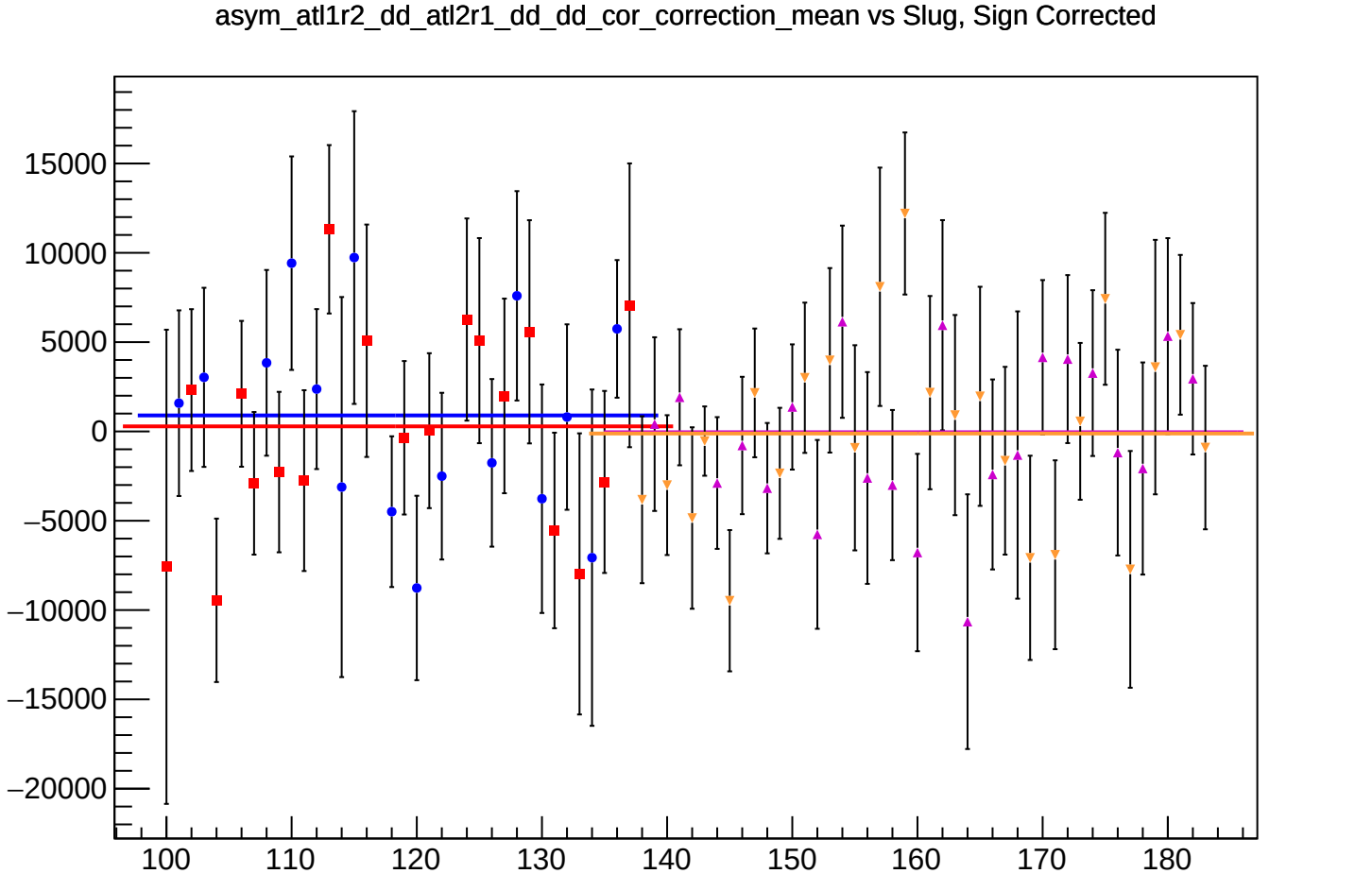
Left: 1263.469+/-0.147 χ^2/NDF: 221825.2/45

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.879+/-0.179 χ^2/NDF:556015.9/37

Out: 1276.718+/-0.177 χ^2/NDF:517729.9/42

All: 1271.872+/-0.126 χ^2/NDF: 1075275.5/80



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -115.719+/-892.045 χ^2/NDF:27.7/23

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -44.524+/-1005.630 χ^2/NDF:13.8/21

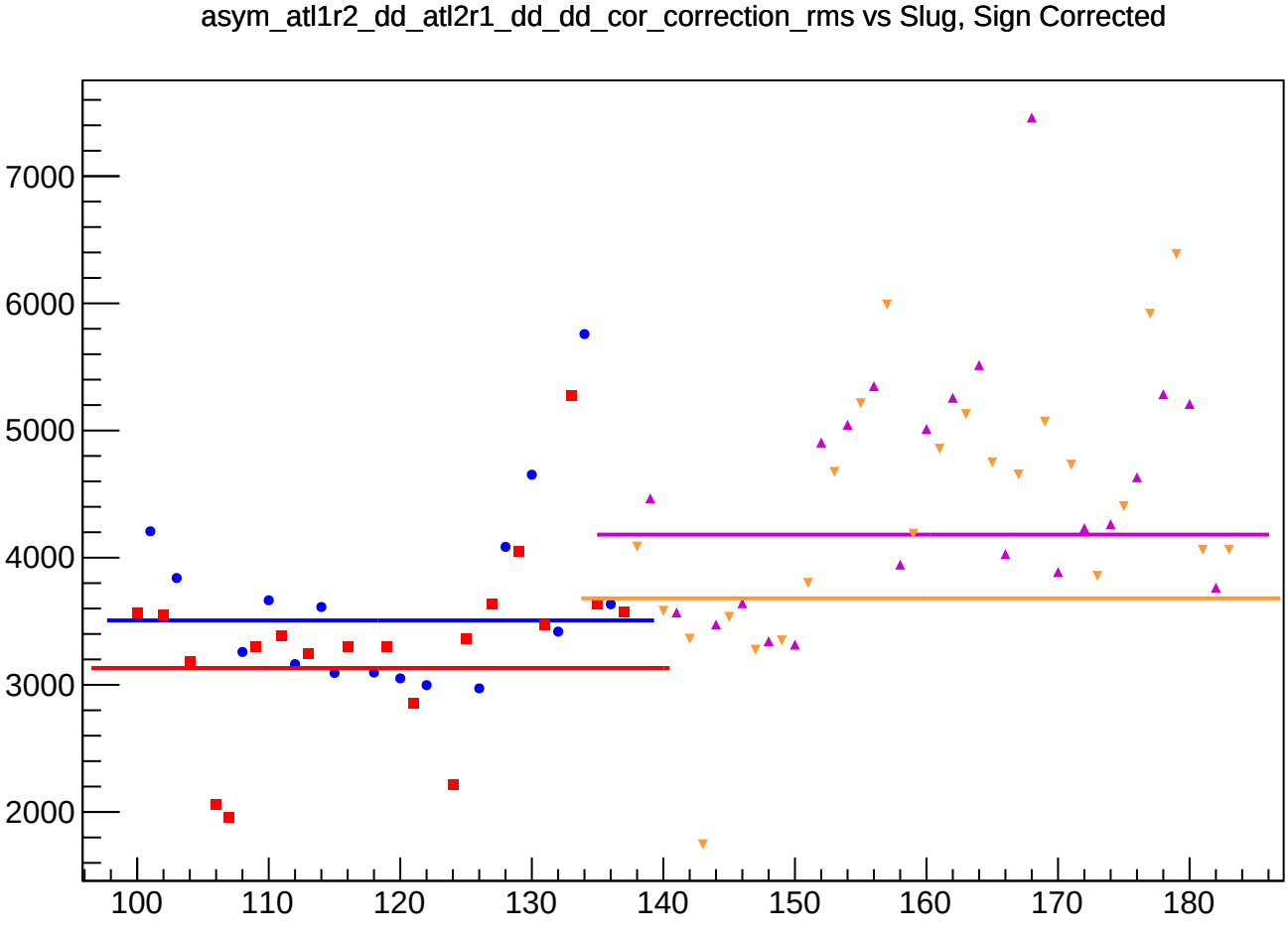
Left: -84.367+/-667.332 χ^2/NDF: 41.5/45

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 299.296+/-801.004 χ^2/NDF:28.2/37

Out: 29.134+/-712.285 χ^2/NDF:46.4/42

All: 148.431+/-532.276 χ^2/NDF: 74.6/80



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4181.297+/-0.711 χ^2/NDF:1269133.7/21

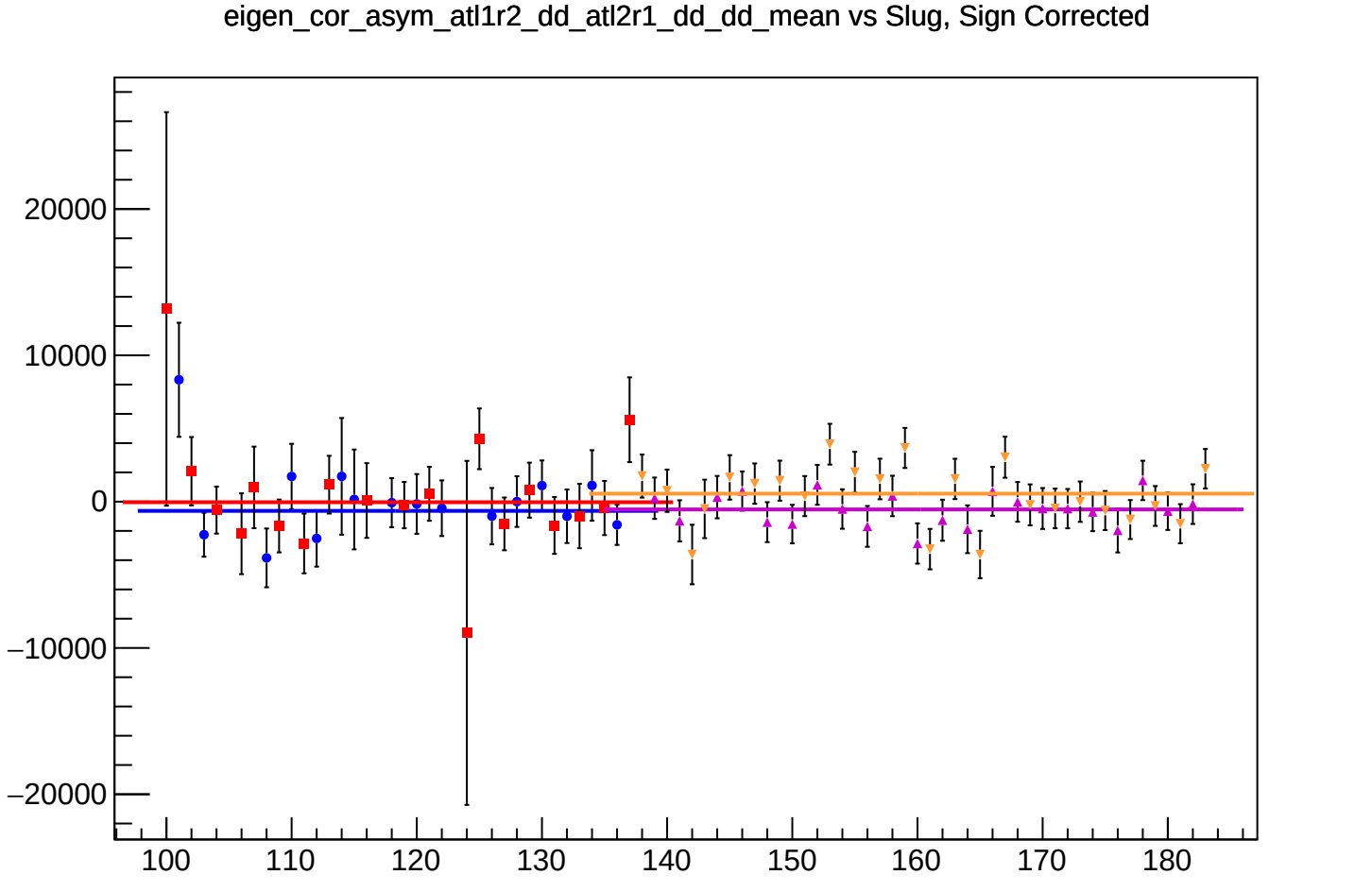
Left: 3900.879+/-0.472 χ^2/NDF: 5236543.6/45

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3934.615+/-0.566 χ^2/NDF:1951582.7/37

Out: 3481.752+/-0.504 χ^2/NDF:4612329.7/42

All: 3681.725+/-0.376 χ^2/NDF: 6920905.5/80



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.206+/-290.725 χ^2/NDF:44.7/23

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -531.298+/-296.419 χ^2/NDF:13.2/21

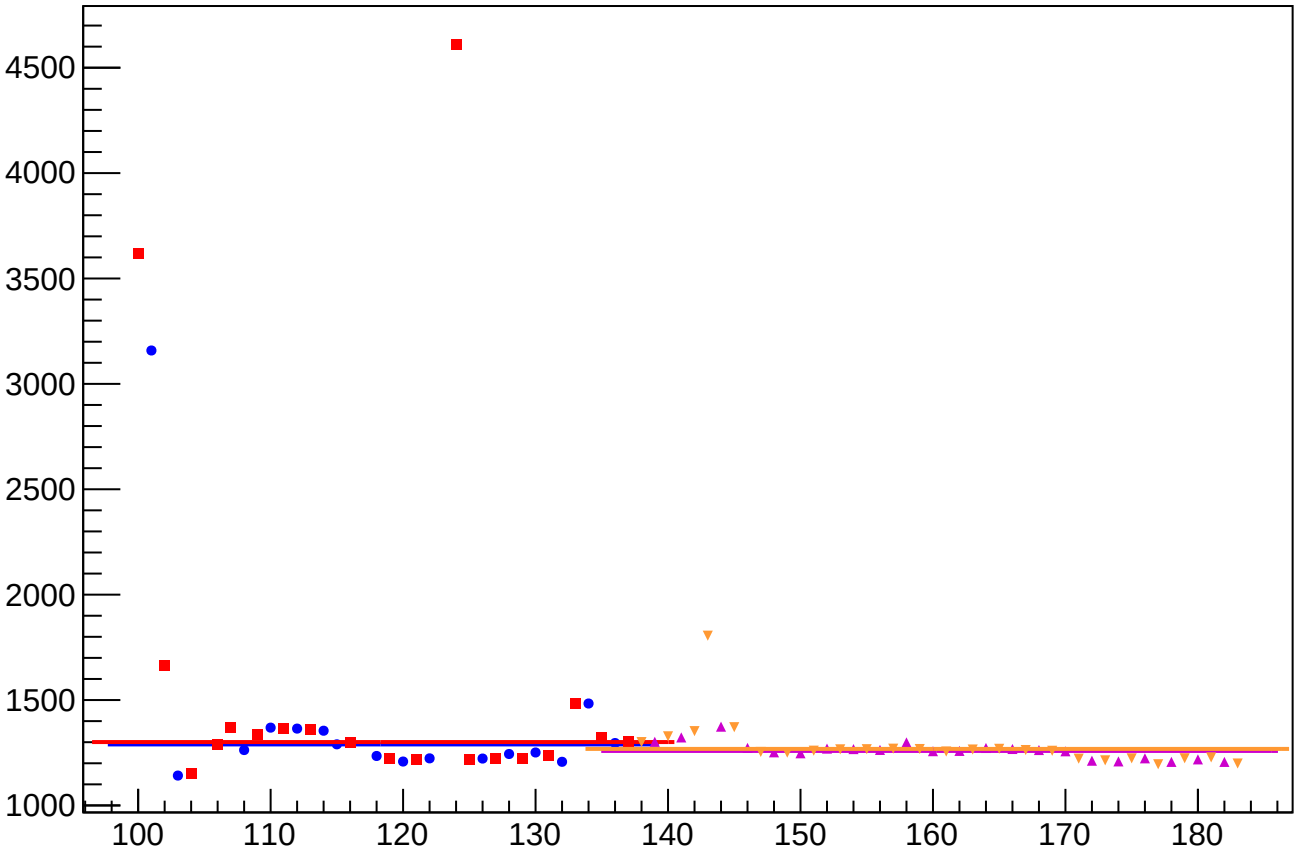
Left: 17.392+/-207.557 χ^2/NDF: 64.6/45

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -558.231+/-253.437 χ^2/NDF:27.1/37

Out: 392.313+/-249.773 χ^2/NDF:62.1/42

All: -76.039+/-177.898 χ^2/NDF: 96.3/80



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.4/23

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: 1263.469+/-0.147 χ^2/NDF: 221825.2/45

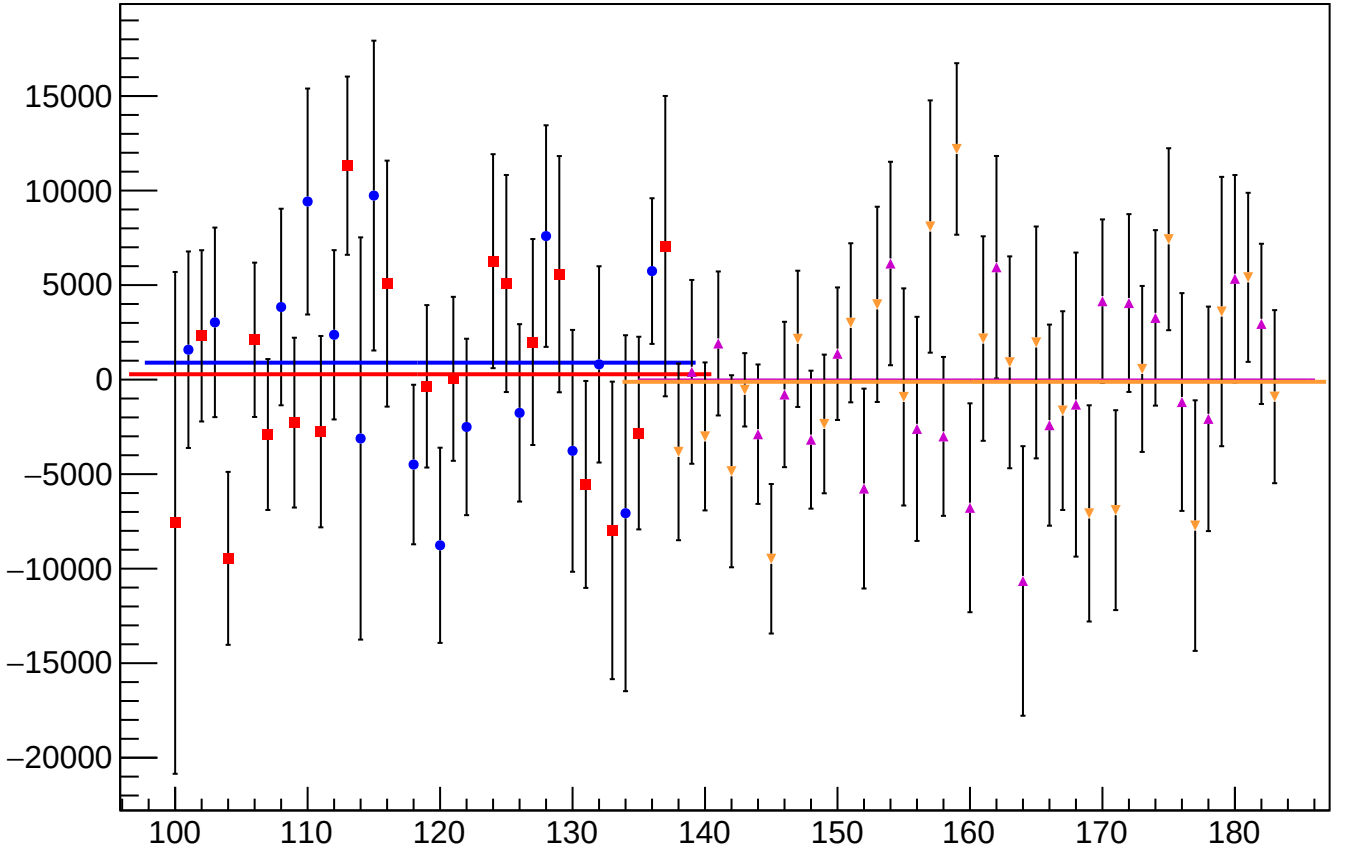
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.879+/-0.179 χ^2/NDF:556015.9/37

Out: 1276.718+/-0.177 χ^2/NDF:517729.9/42

All: 1271.872+/-0.126 χ^2/NDF: 1075275.5/80

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -115.719+/-892.045 χ^2/NDF:27.7/23

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: -84.367+/-667.332 χ^2/NDF: 41.5/45

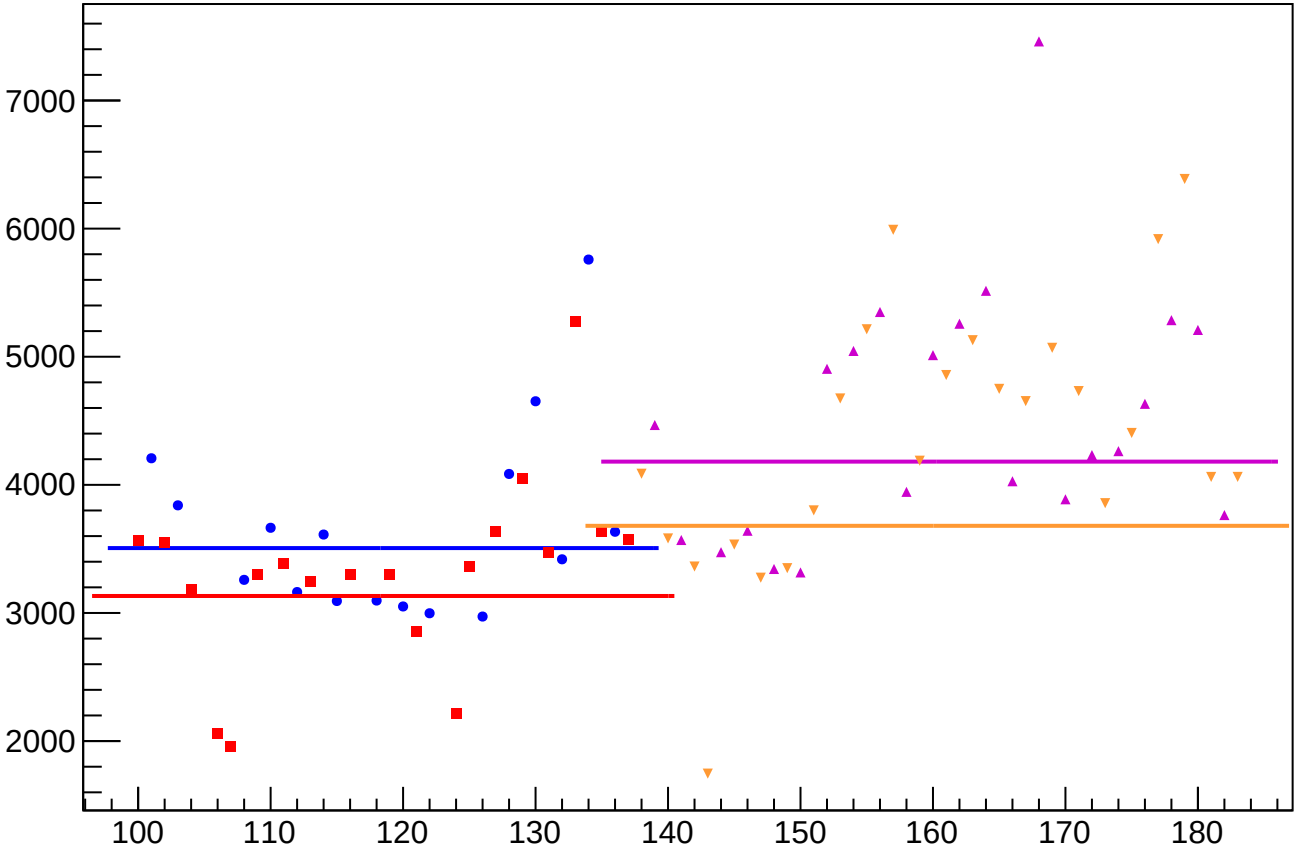
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 299.296+/-801.004 χ^2/NDF:28.2/37

Out: 29.134+/-712.285 χ^2/NDF:46.4/42

All: 148.431+/-532.276 χ^2/NDF: 74.6/80

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

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: 3900.879+/-0.472 χ^2/NDF: 5236543.6/45

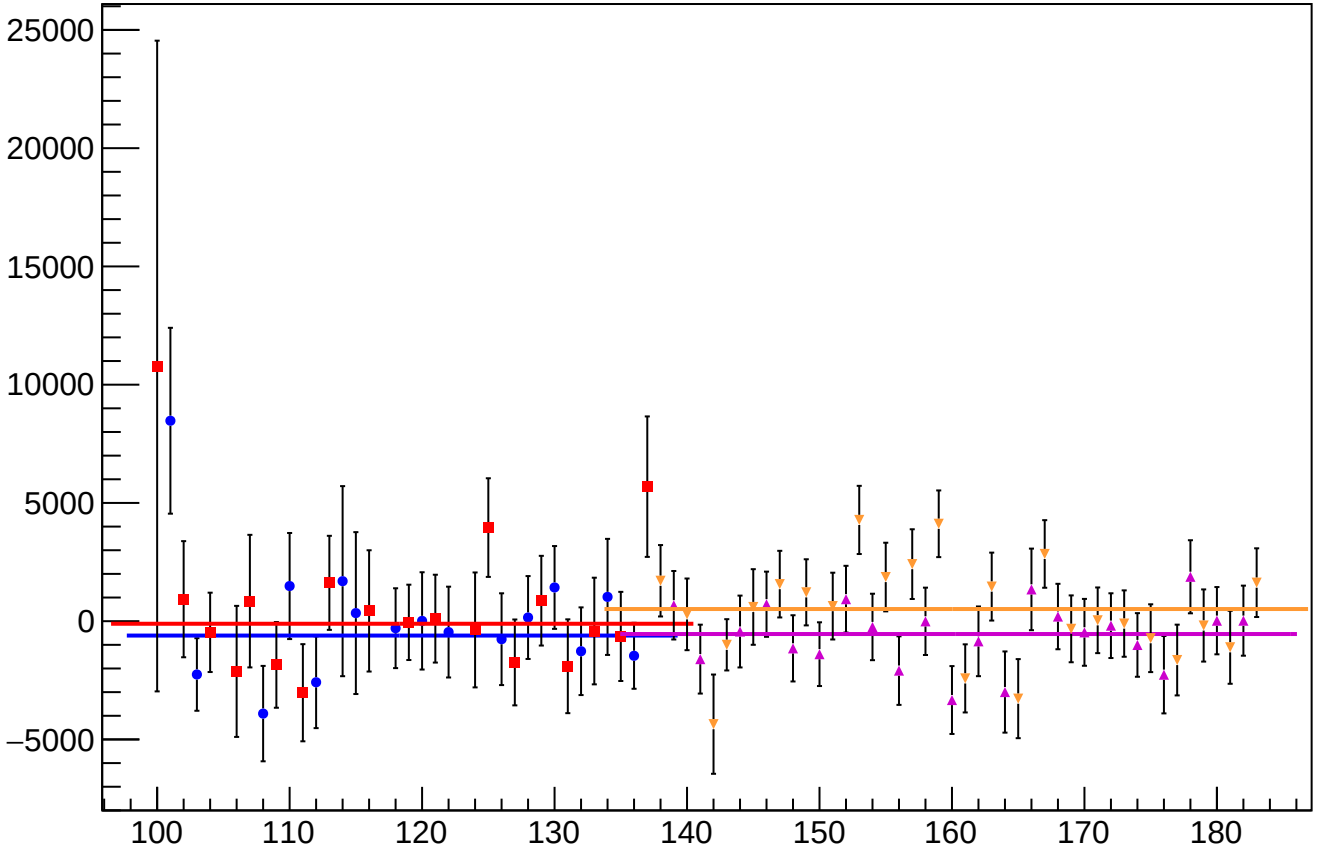
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3934.615+/-0.566 χ^2/NDF:1951582.7/37

Out: 3481.752+/-0.504 χ^2/NDF:4612329.7/42

All: 3681.725+/-0.376 χ^2/NDF: 6920905.5/80

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 514.229+/-296.438 χ^2/NDF:42.4/23

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -542.806+/-309.764 χ^2/NDF:16.5/21

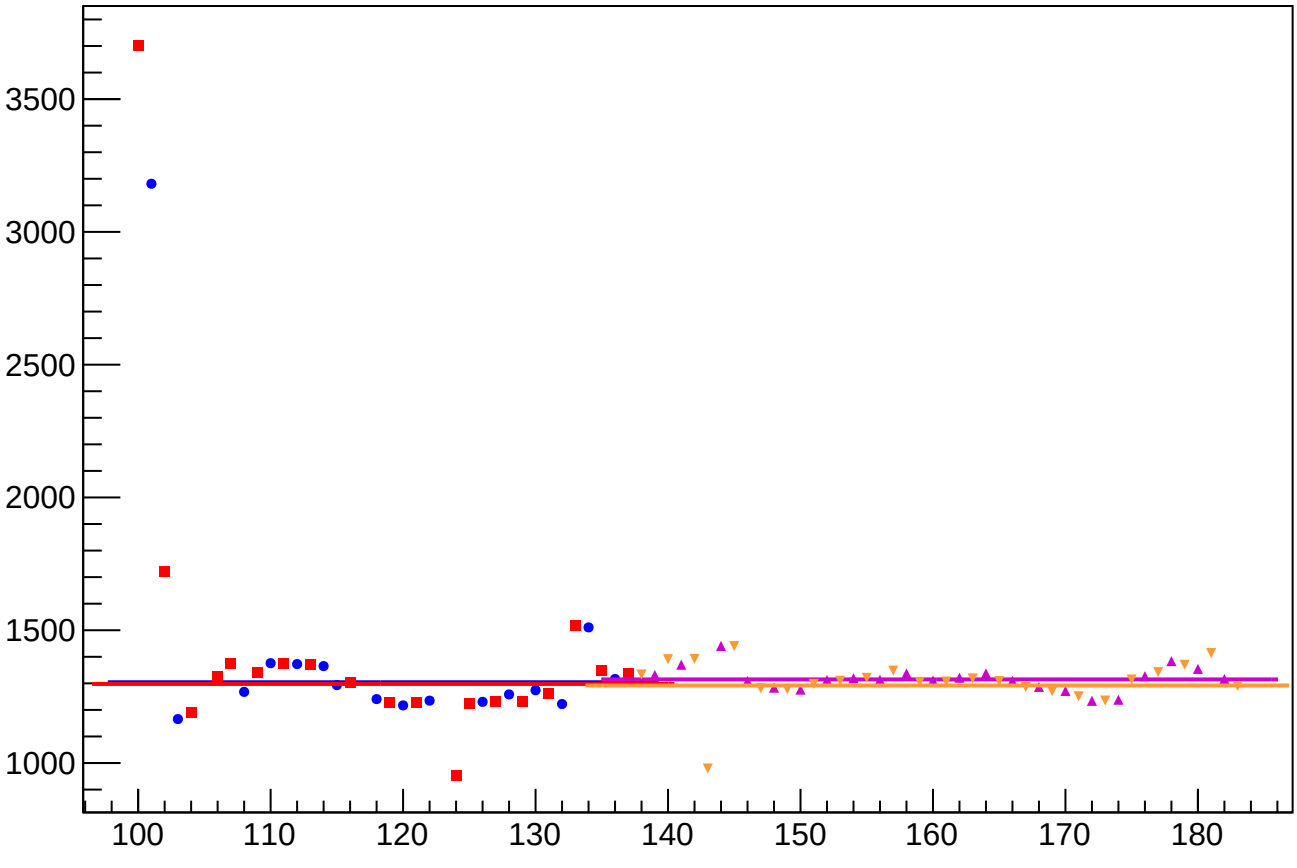
Left: 8.936+/-214.169 χ^2/NDF: 65.0/45

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -561.148+/-262.464 χ^2/NDF:30.6/37

Out: 345.111+/-253.012 χ^2/NDF:58.5/42

All: -91.406+/-182.156 χ^2/NDF: 95.3/80



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1292.005+/-0.210 χ^2/NDF:229756.3/23

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.793+/-0.219 χ^2/NDF:42303.0/21

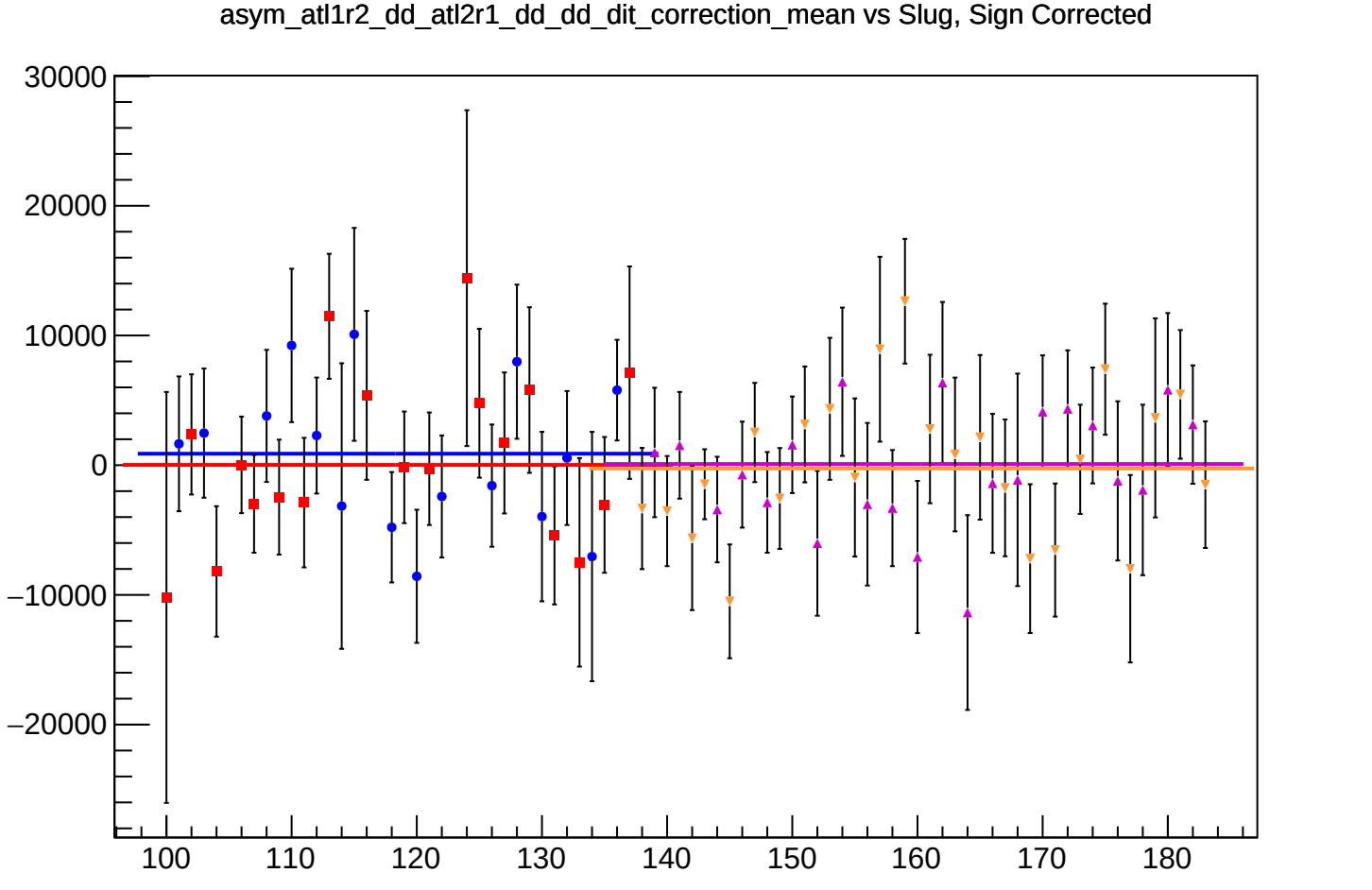
Left: 1302.898+/-0.151 χ^2/NDF: 277709.1/45

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1311.777+/-0.186 χ^2/NDF:553564.3/37

Out: 1293.579+/-0.179 χ^2/NDF:443060.7/42

All: 1302.343+/-0.129 χ^2/NDF: 1001609.9/80



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -254.197+/-983.675 χ^2/NDF:27.3/23

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: -94.294+/-719.761 χ^2/NDF: 40.9/45

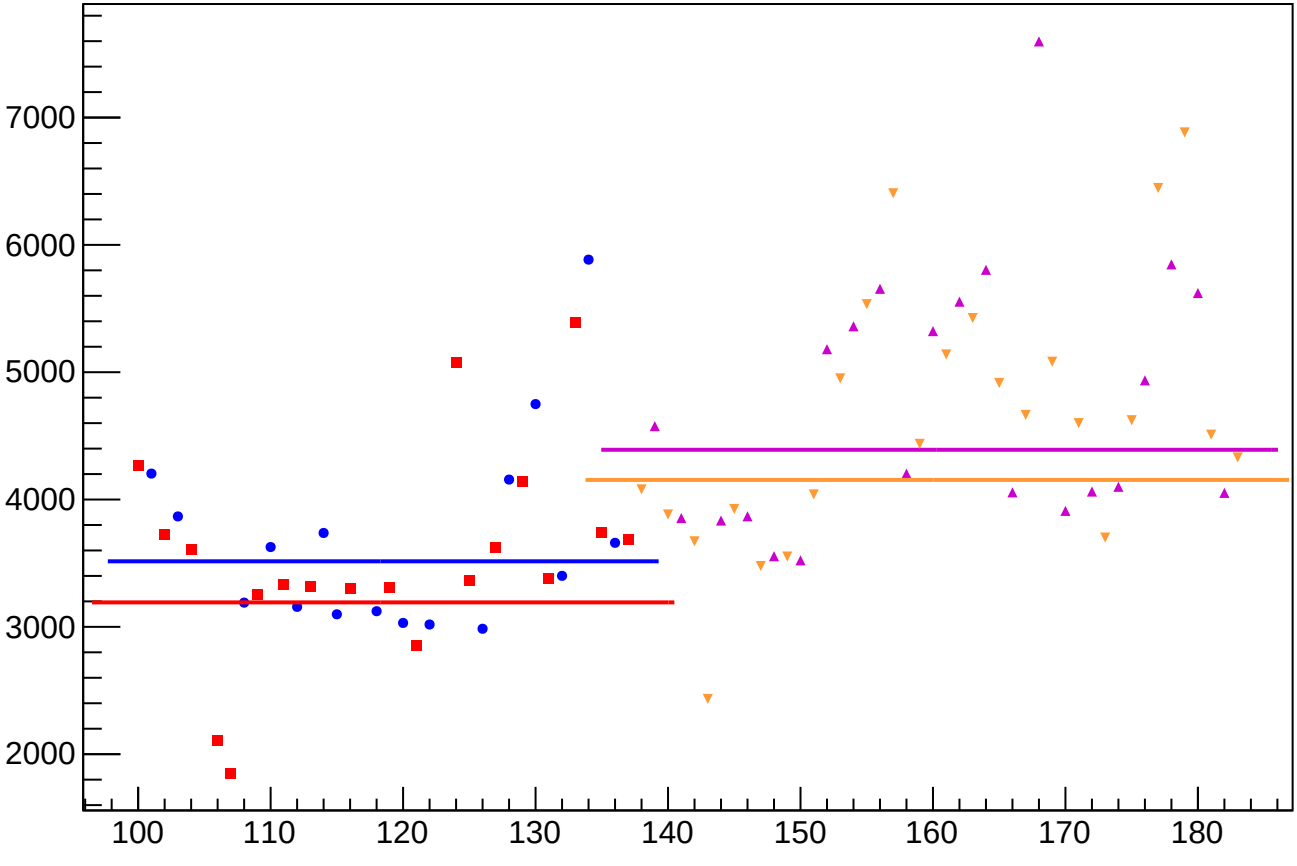
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 397.733+/-826.370 χ^2/NDF:27.9/37

Out: -143.726+/-760.749 χ^2/NDF:44.1/42

All: 104.655+/-559.694 χ^2/NDF: 72.3/80

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4154.038+/-0.696 χ^2/NDF:2079742.1/23

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4390.854+/-0.747 χ^2/NDF:1251583.3/21

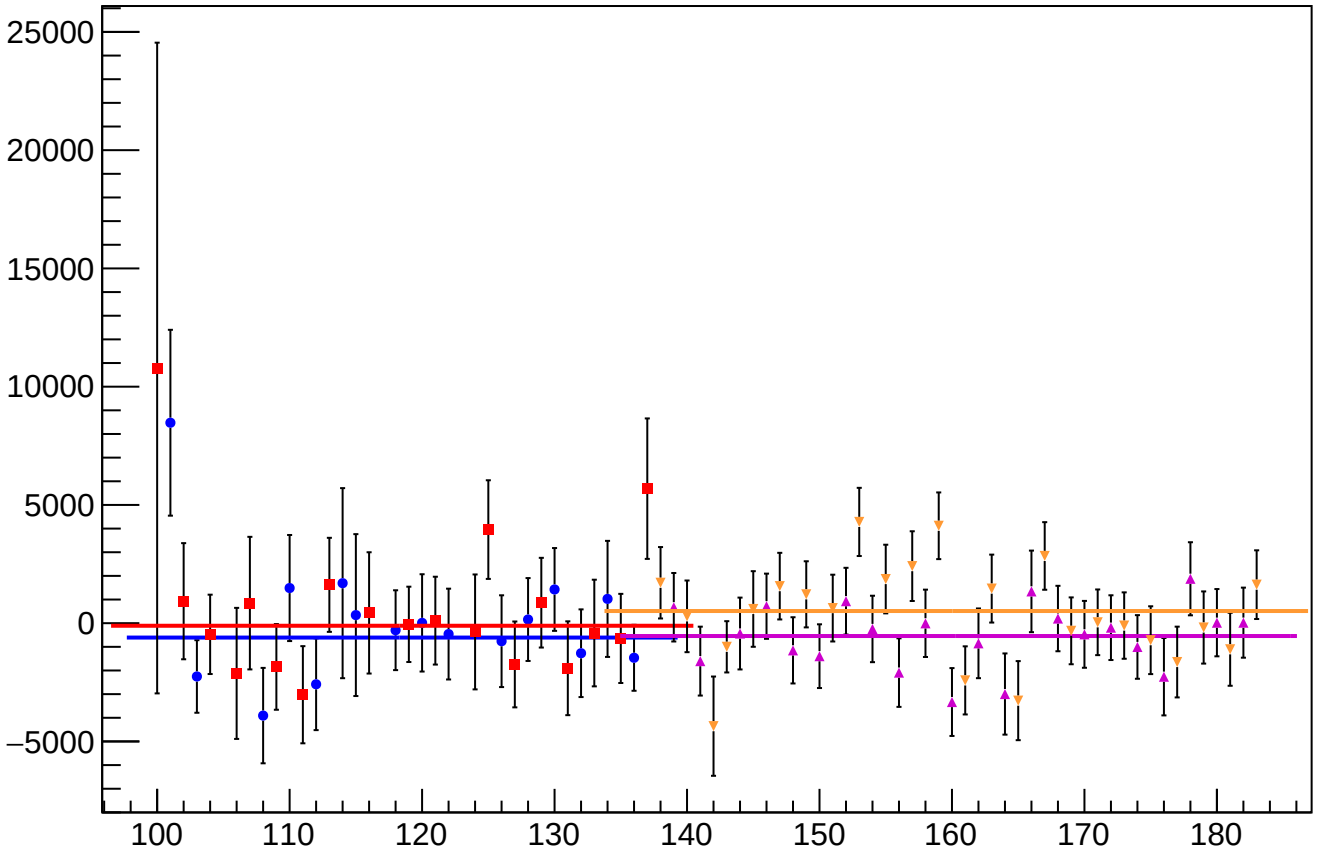
Left: 4264.065+/-0.509 χ^2/NDF: 3385181.7/45

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4051.304+/-0.584 χ^2/NDF:2160245.0/37

Out: 3767.484+/-0.538 χ^2/NDF:3620725.3/42

All: 3897.679+/-0.396 χ^2/NDF: 5908668.6/80



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 514.232+/-296.438 χ^2/NDF:42.4/23

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -542.806+/-309.764 χ^2/NDF:16.5/21

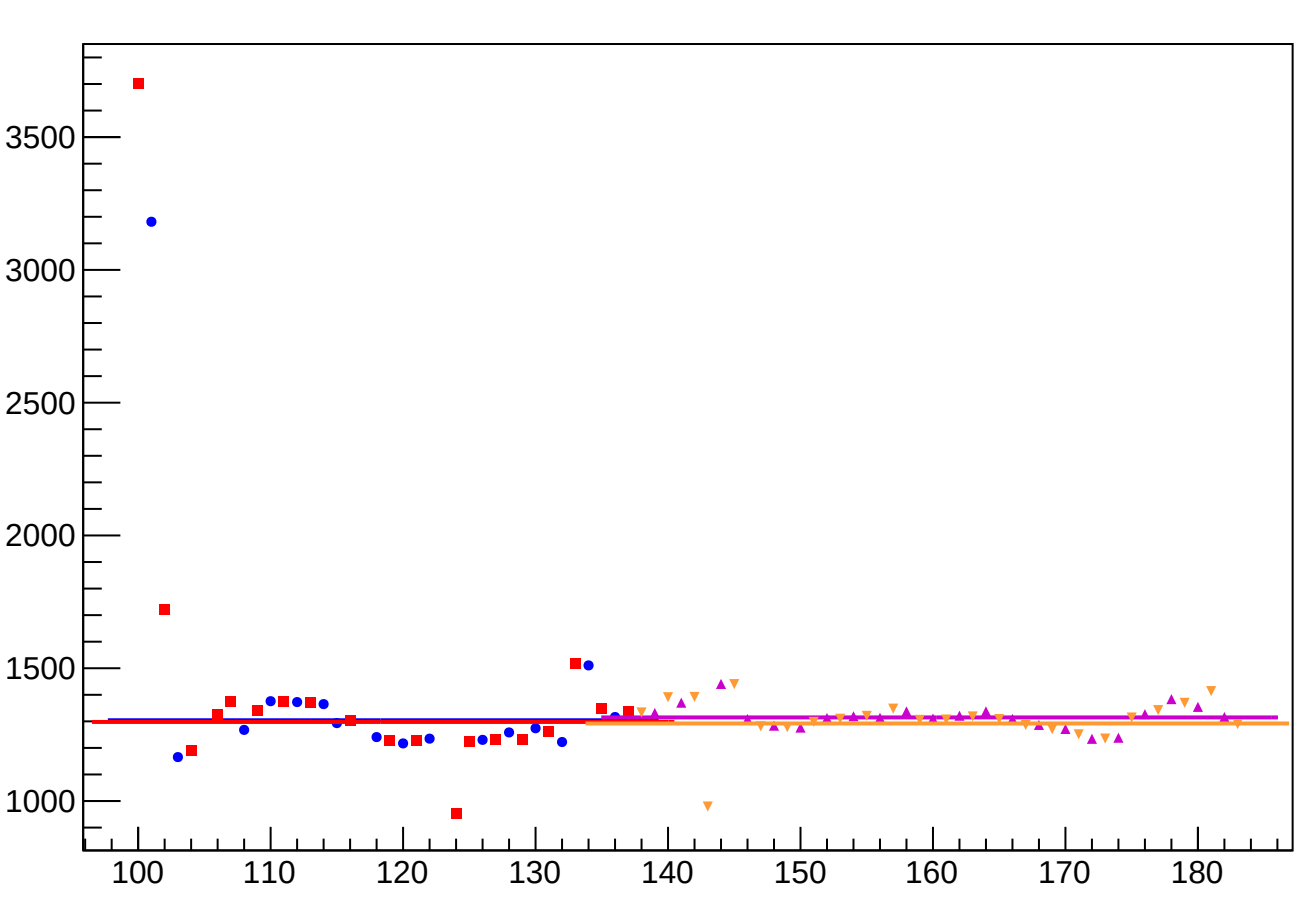
Left: 8.938+/-214.170 χ^2/NDF: 65.0/45

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -561.149+/-262.464 χ^2/NDF:30.6/37

Out: 345.112+/-253.012 χ^2/NDF:58.5/42

All: -91.407+/-182.157 χ^2/NDF: 95.3/80



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1292.006+/-0.210 χ^2/NDF:229758.9/23

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.794+/-0.219 χ^2/NDF:42305.1/21

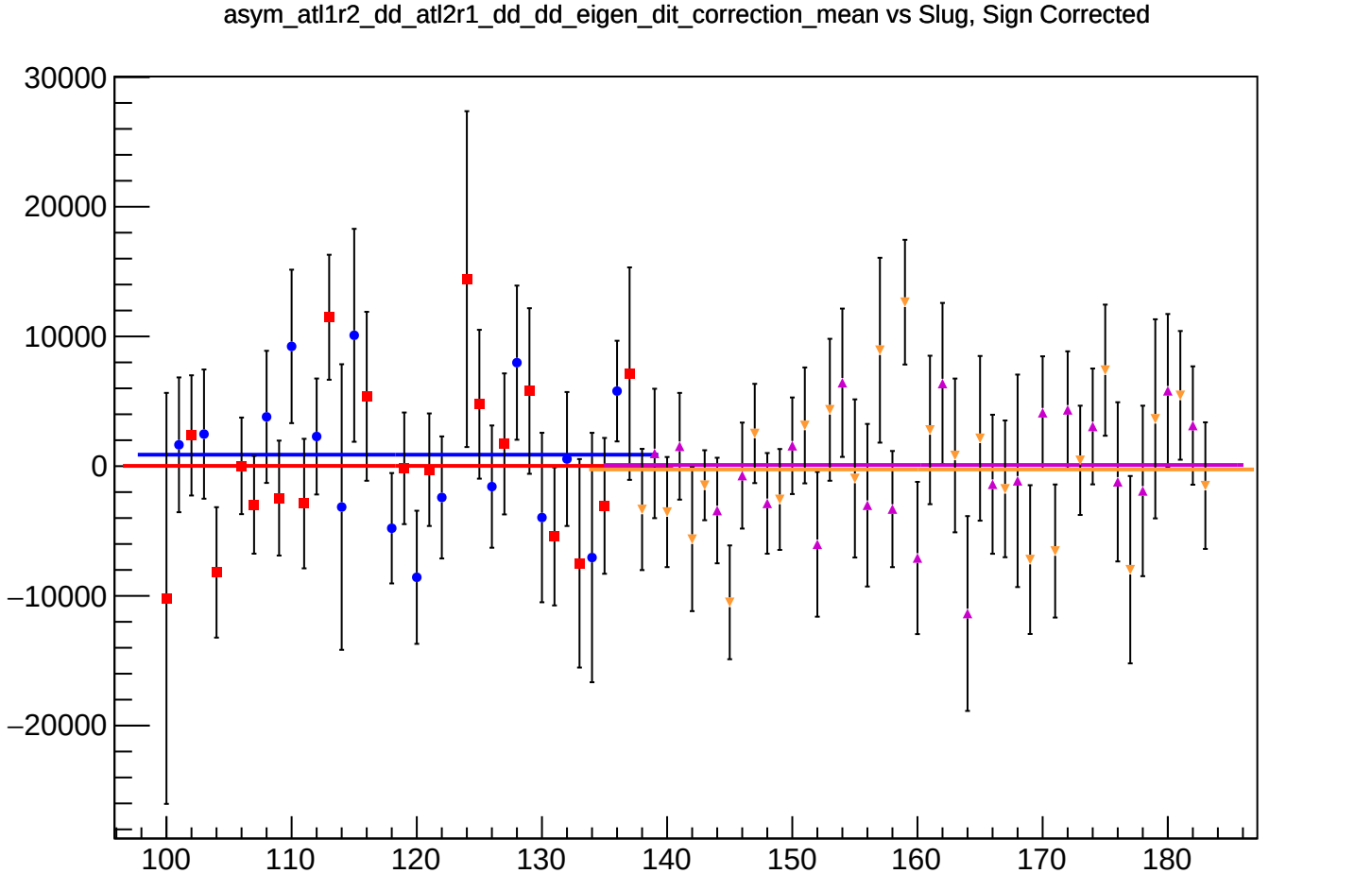
Left: 1302.899+/-0.151 χ^2/NDF: 277713.8/45

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1311.778+/-0.186 χ^2/NDF:553566.8/37

Out: 1293.580+/-0.179 χ^2/NDF:443063.2/42

All: 1302.344+/-0.129 χ^2/NDF: 1001614.9/80



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -254.194+/-983.677 χ^2/NDF:27.3/23

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: -94.292+/-719.762 χ^2/NDF: 40.9/45

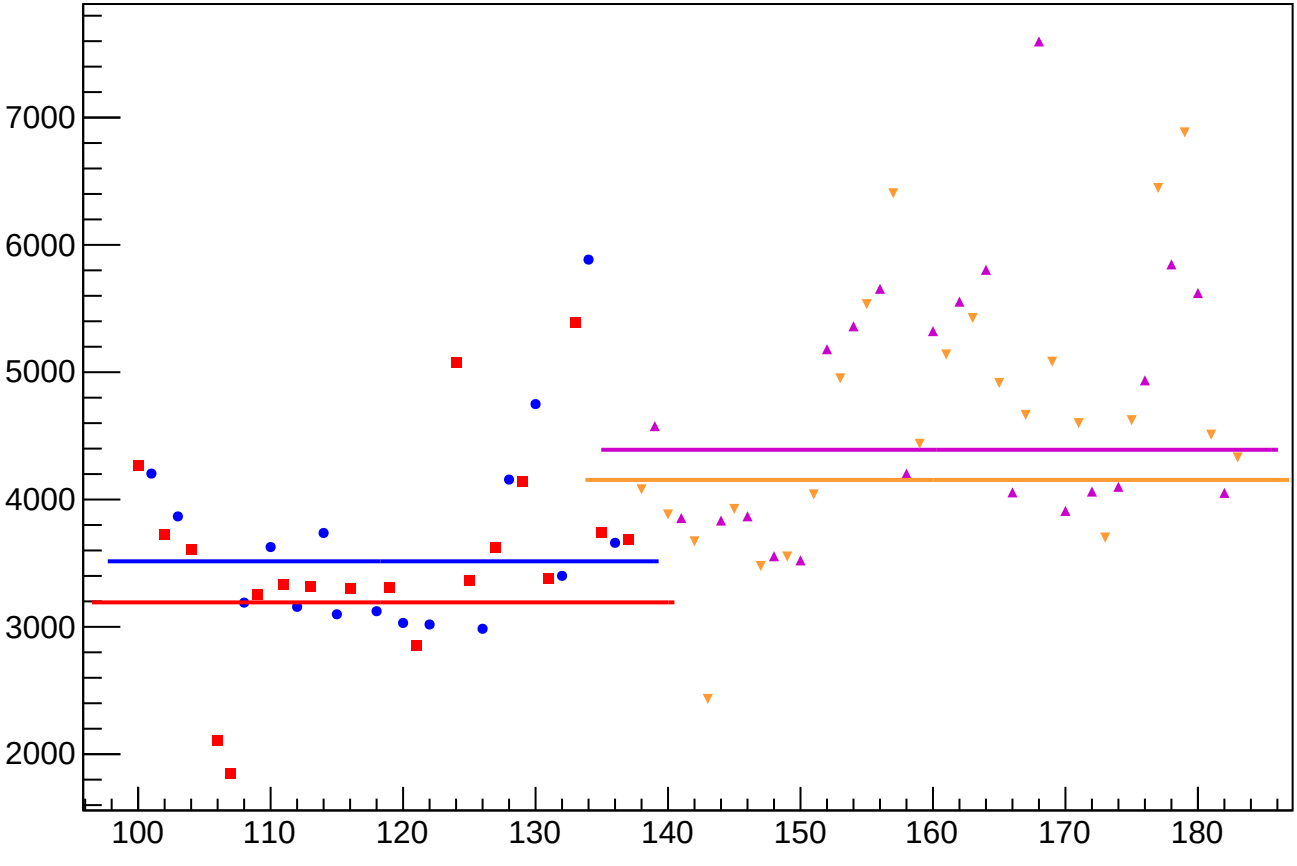
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 397.731+/-826.370 χ^2/NDF:27.9/37

Out: -143.725+/-760.749 χ^2/NDF:44.1/42

All: 104.654+/-559.694 χ^2/NDF: 72.3/80

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4154.044+/-0.696 χ^2/NDF:2079744.9/23

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4390.861+/-0.747 χ^2/NDF:1251587.6/21

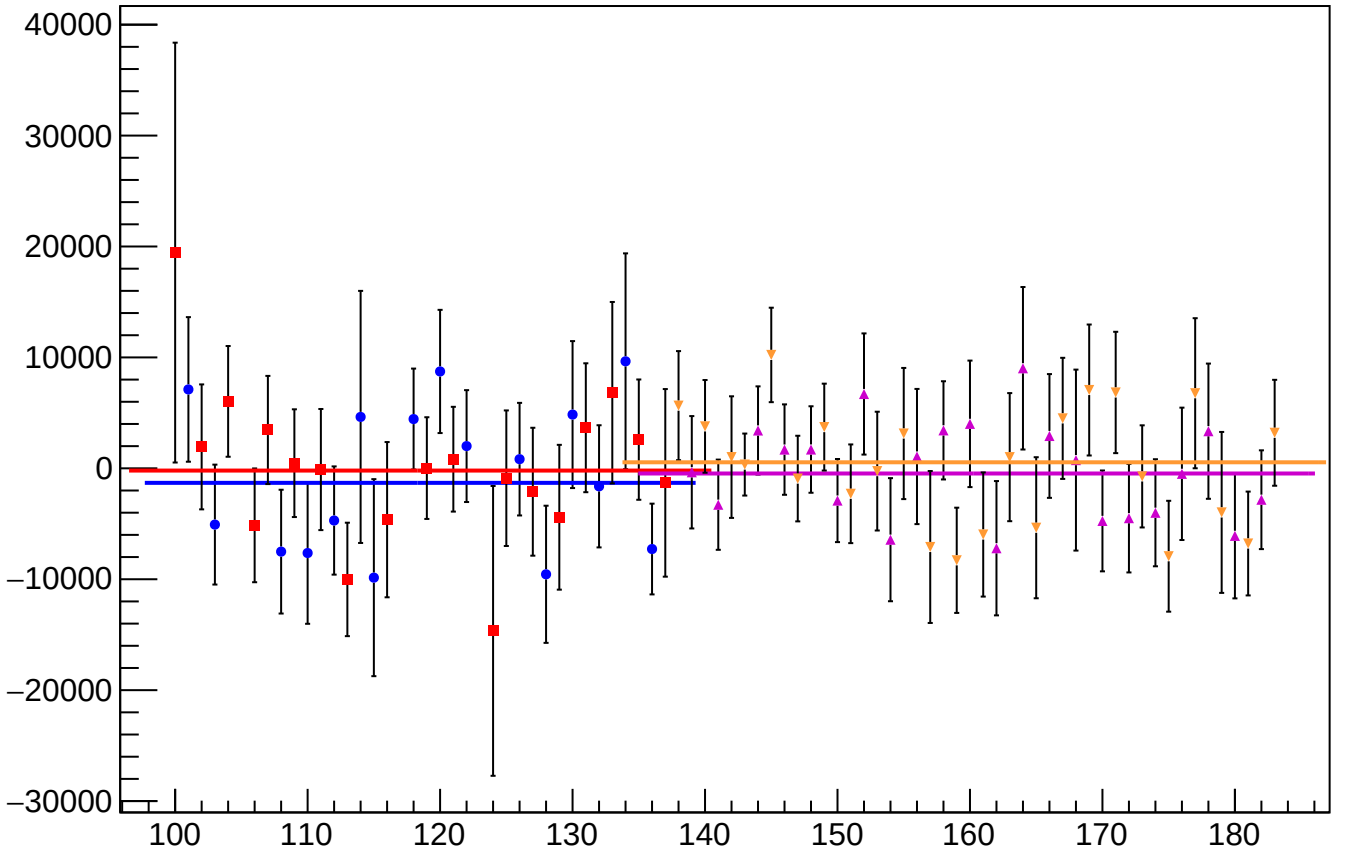
Left: 4264.071+/-0.509 χ^2/NDF: 3385188.7/45

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4051.303+/-0.584 χ^2/NDF:2160273.7/37

Out: 3767.483+/-0.538 χ^2/NDF:3620754.4/42

All: 3897.678+/-0.396 χ^2/NDF: 5908726.3/80



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 544.185+/-986.773 χ^2/NDF:25.2/23

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -465.712+/-1055.508 χ^2/NDF:13.8/21

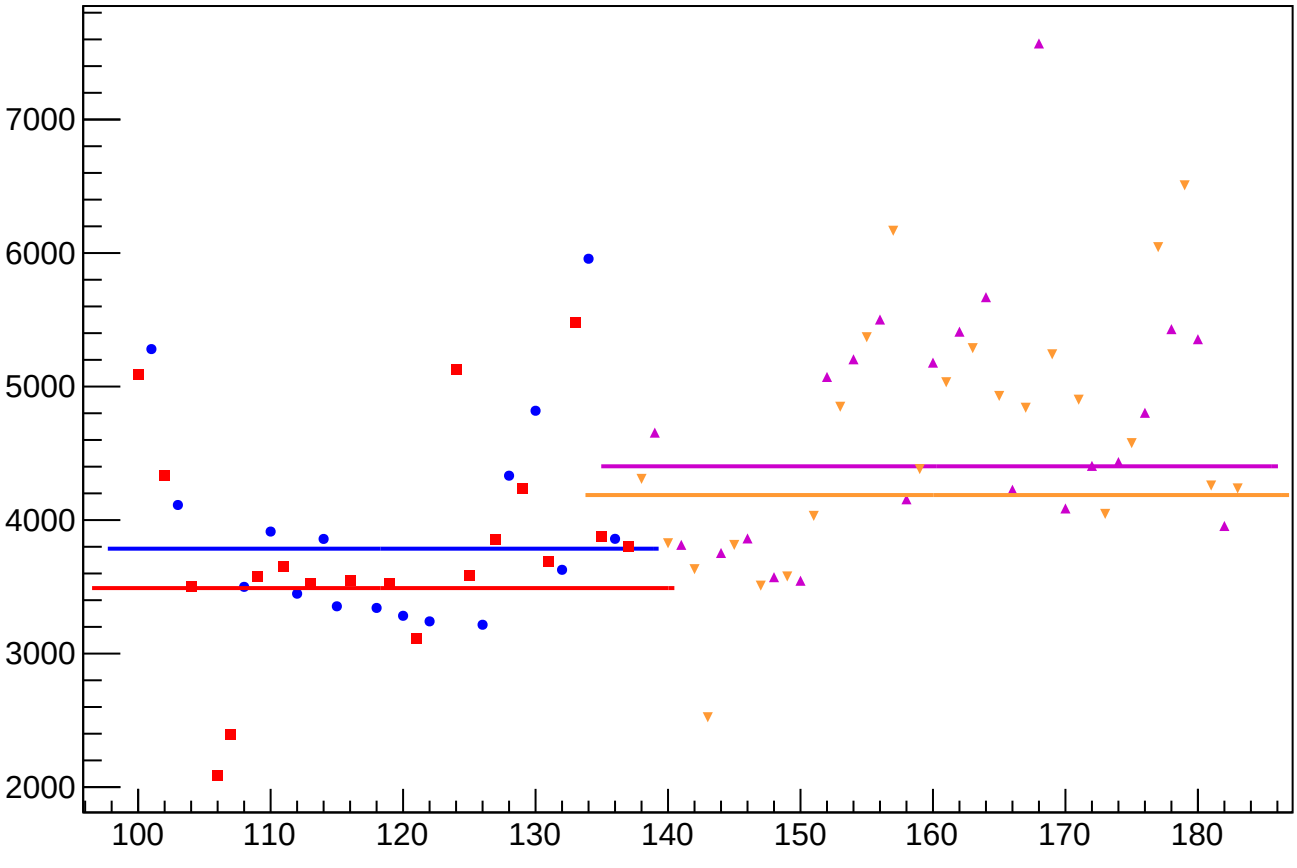
Left: 73.187+/-720.830 χ^2/NDF: 39.6/45

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -762.804+/-849.565 χ^2/NDF:31.6/37

Out: 280.960+/-793.753 χ^2/NDF:37.1/42

All: -205.513+/-579.996 χ^2/NDF: 69.5/80



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4187.415+/-0.698 χ^2/NDF:1796318.2/23

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4402.755+/-0.746 χ^2/NDF:1082128.6/21

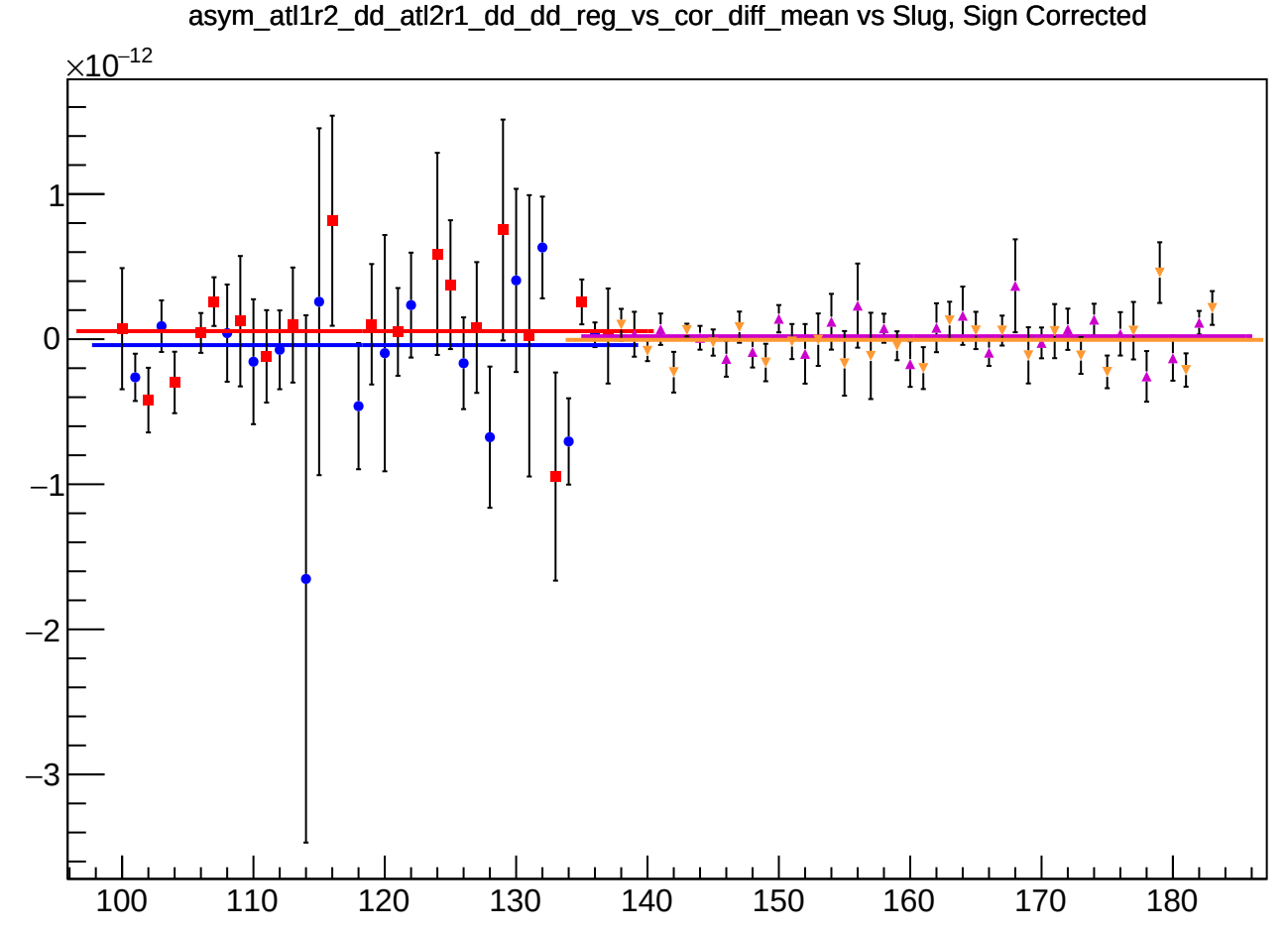
Left: 4287.845+/-0.510 χ^2/NDF: 2922867.8/45

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4185.479+/-0.601 χ^2/NDF:1705774.3/37

Out: 3937.090+/-0.559 χ^2/NDF:2741300.5/42

All: 4052.254+/-0.409 χ^2/NDF: 4538771.4/80



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/21

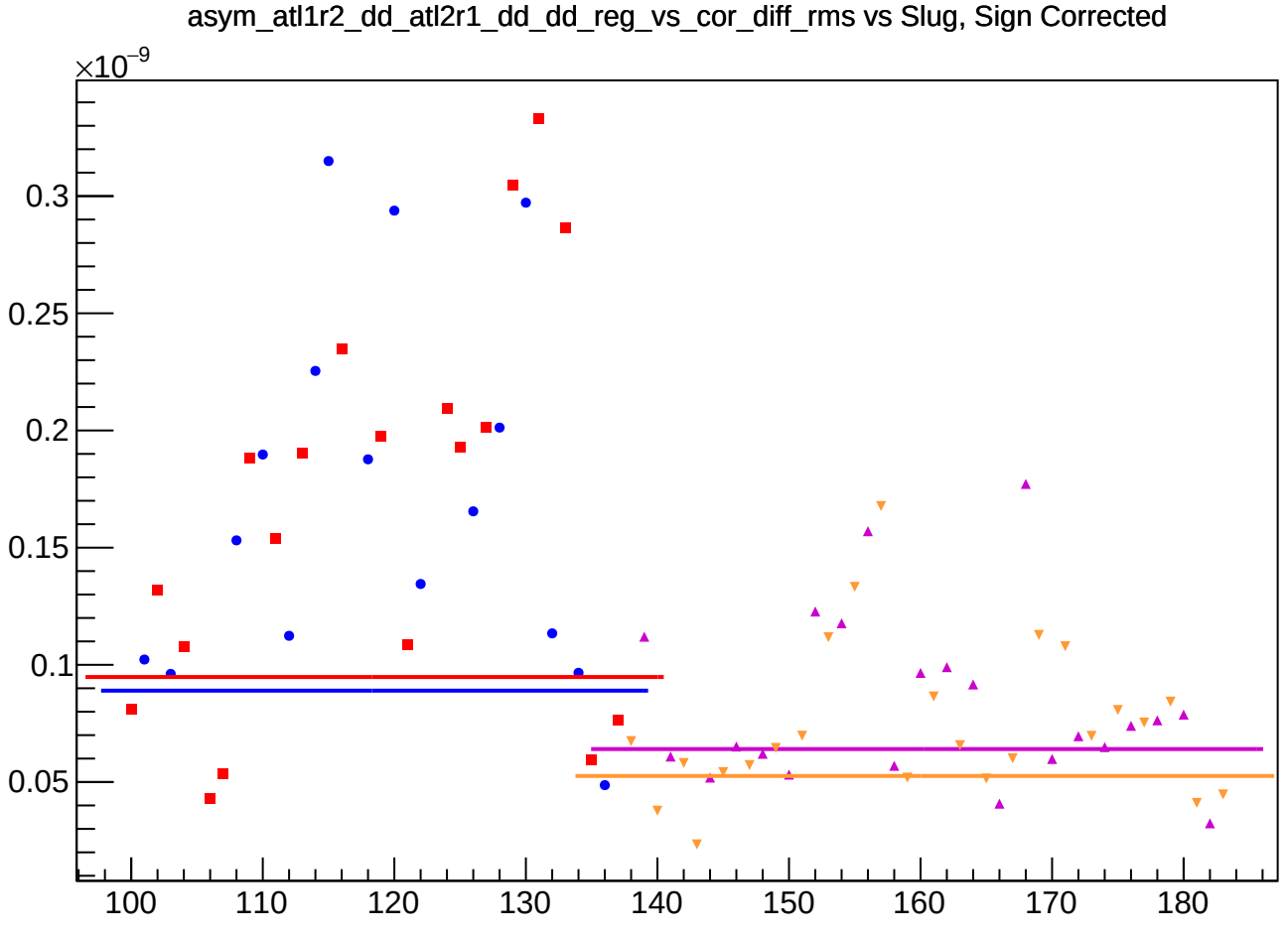
Left: 0.000+/-0.000 χ^2/NDF: 47.7/45

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:46.9/42

All: 0.000+/-0.000 χ^2/NDF: 81.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2623647.7/23

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: 4579689.4/45

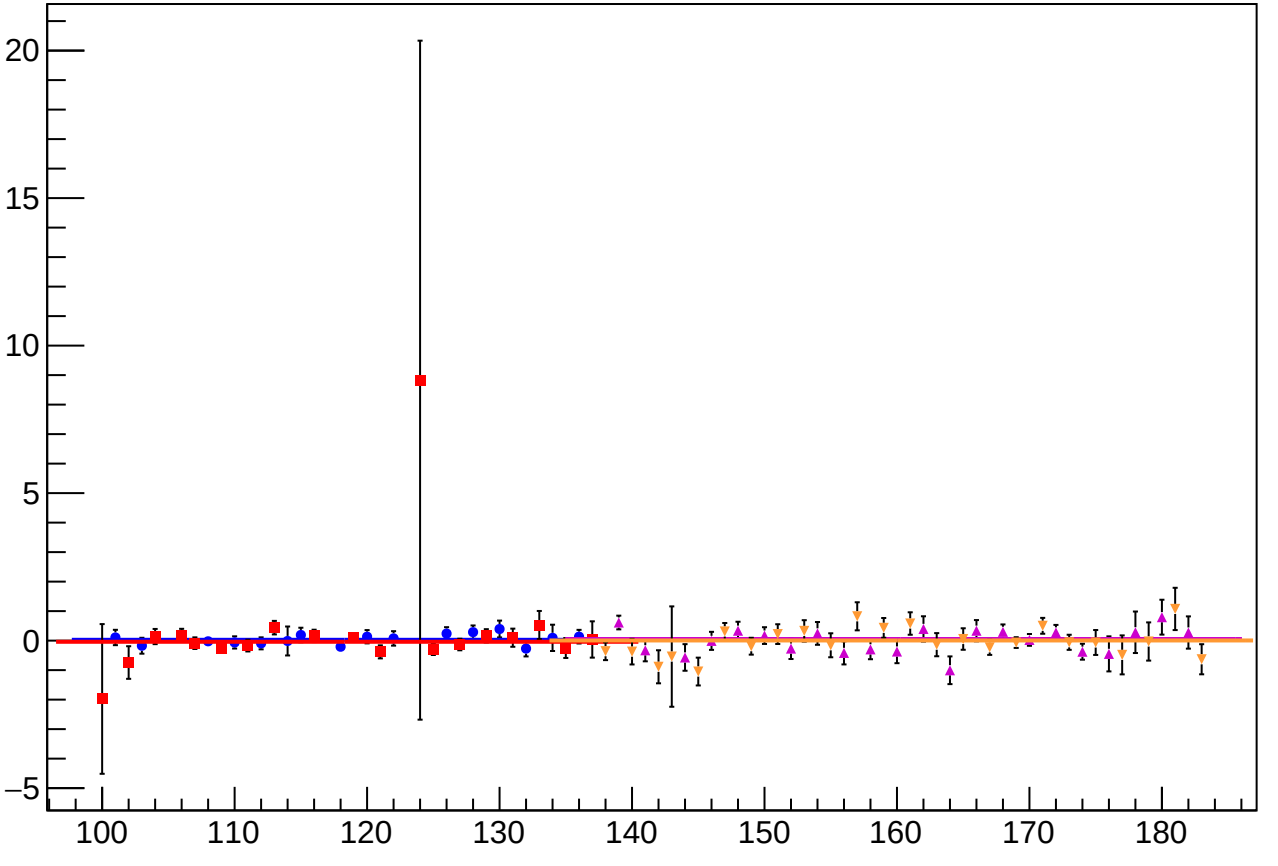
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3493949.7/37

Out: 0.000+/-0.000 χ^2/NDF:5135059.3/42

All: 0.000+/-0.000 χ^2/NDF: 8867885.1/80

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

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: 0.030+/-0.050 χ^2/NDF: 56.6/45

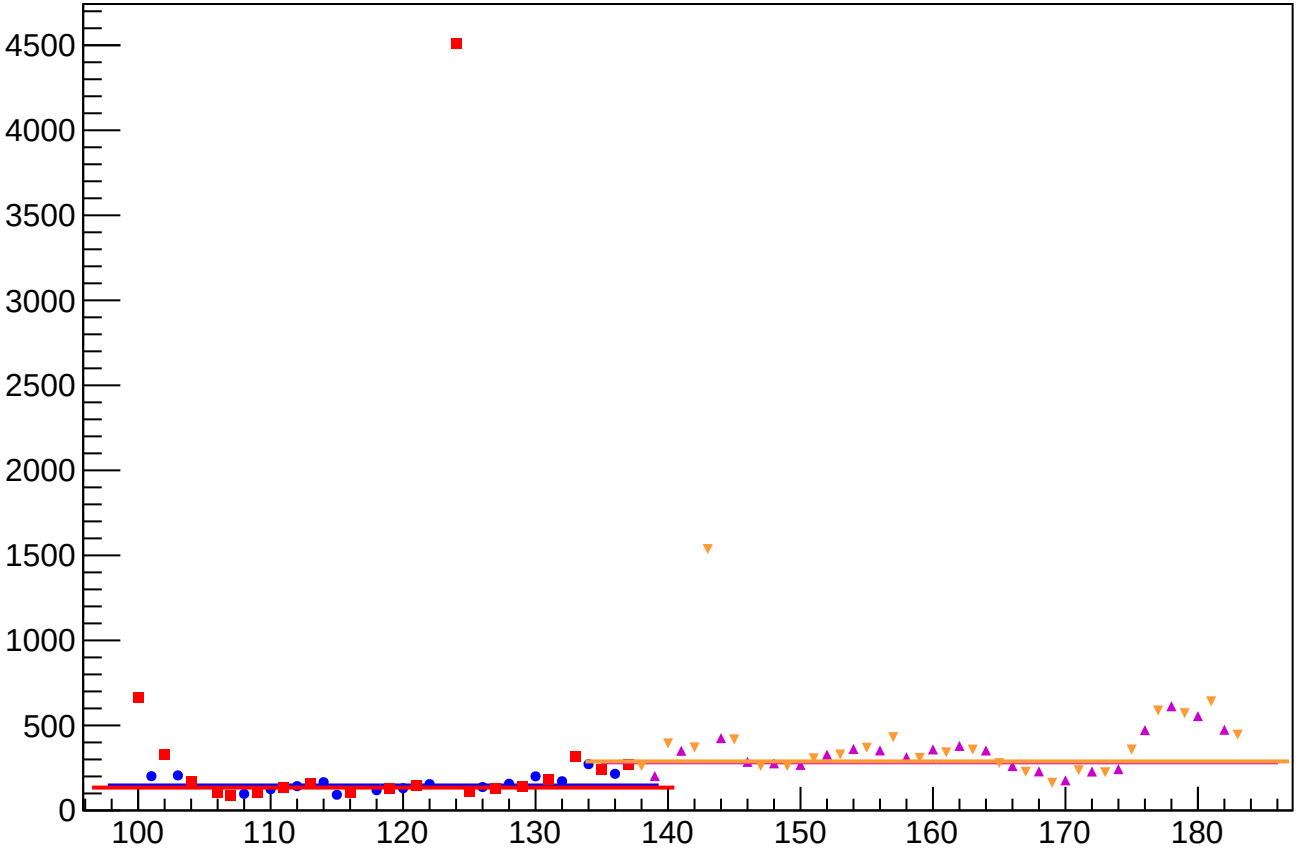
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/80

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: 288.333+/-0.051 χ^2/NDF:4636058.1/23

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: 285.703+/-0.036 χ^2/NDF: 7672019.0/45

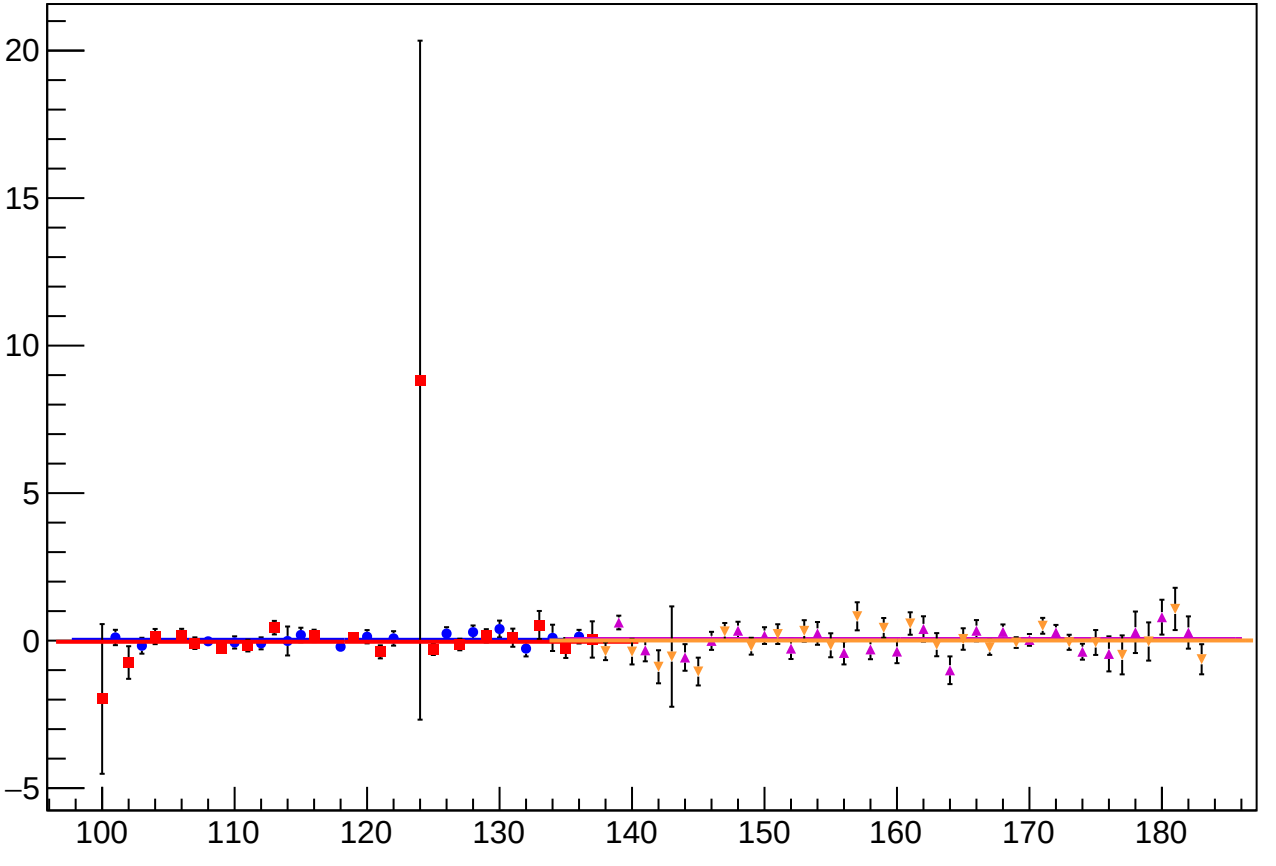
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 201.288+/-0.032 χ^2/NDF:8487835.3/37

Out: 191.482+/-0.031 χ^2/NDF:12084157.8/42

All: 196.246+/-0.022 χ^2/NDF: 20621452.0/80

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: 0.005+/-0.071 χ^2/NDF:28.6/23

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: 0.030+/-0.050 χ^2/NDF: 56.6/45

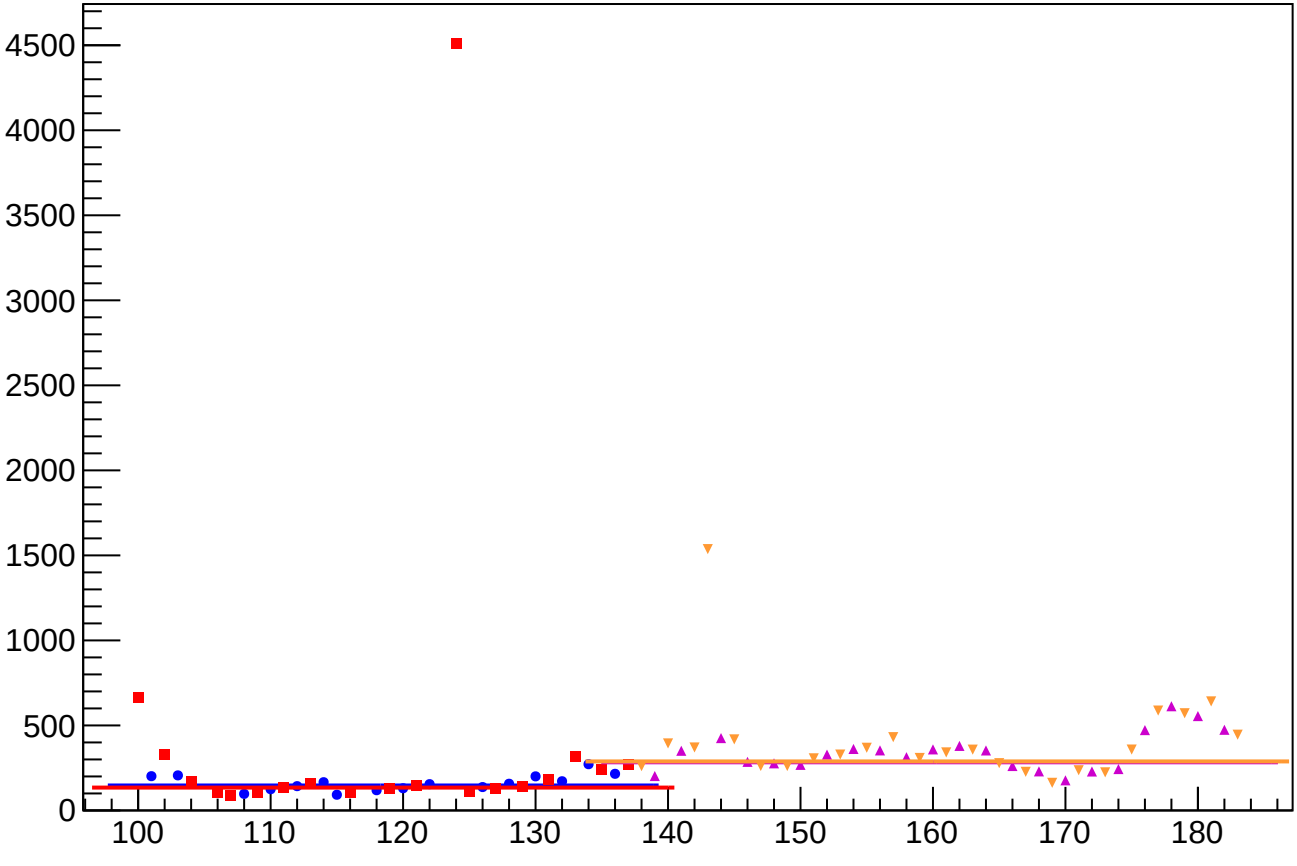
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/80

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: 288.333+/-0.051 χ^2/NDF:4636058.1/23

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 283.124+/-0.050 χ^2/NDF:3030589.5/21

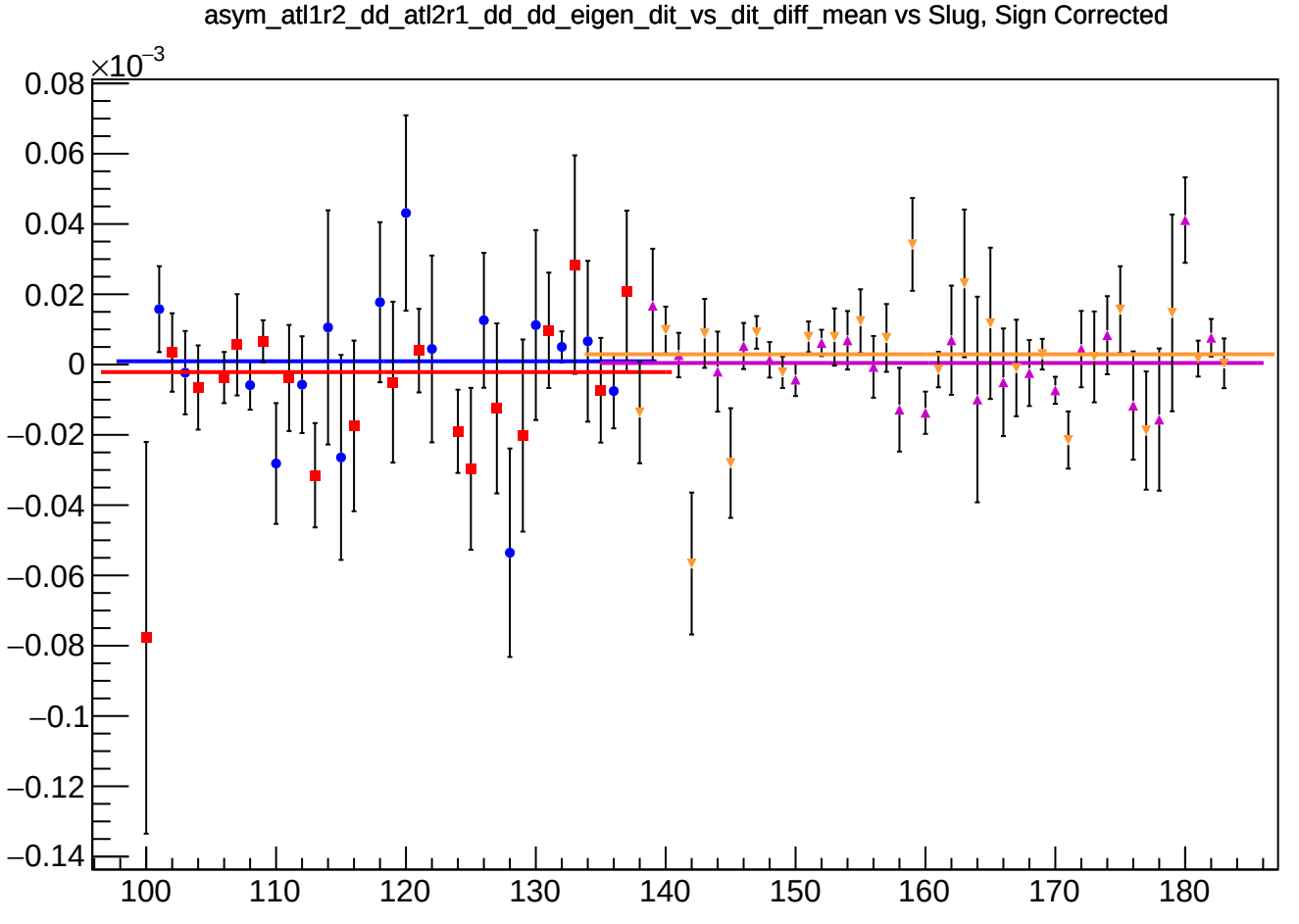
Left: 285.703+/-0.036 χ^2/NDF: 7672019.0/45

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 201.288+/-0.032 χ^2/NDF:8487835.3/37

Out: 191.482+/-0.031 χ^2/NDF:12084157.8/42

All: 196.246+/-0.022 χ^2/NDF: 20621452.0/80



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.1/23

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

Left In: 0.000+/-0.000 χ^2/NDF:32.0/21

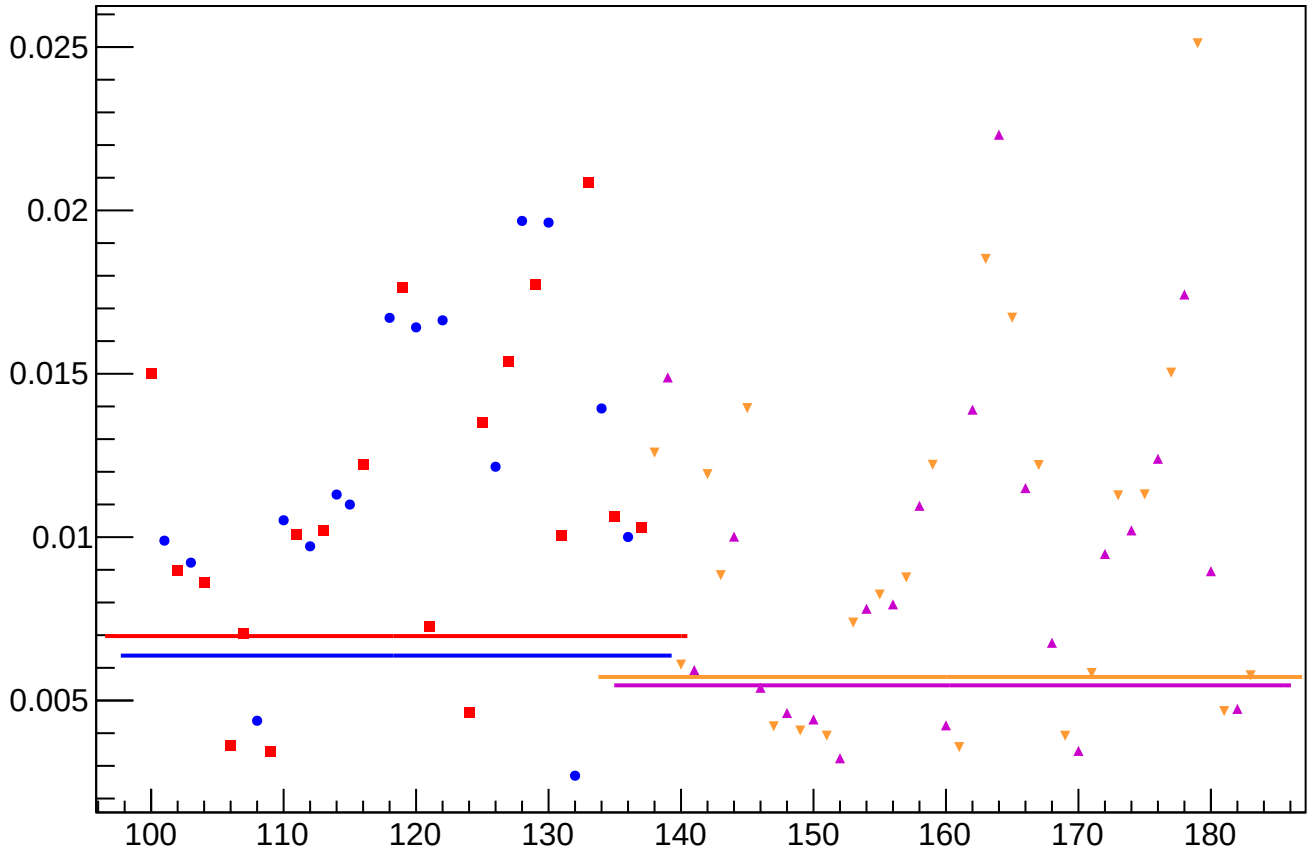
Left: 0.000+/-0.000 χ^2/NDF: 74.4/45

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:59.4/42

All: 0.000+/-0.000 χ^2/NDF: 106.8/80



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7997892.5/23

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: 14822750.2/45

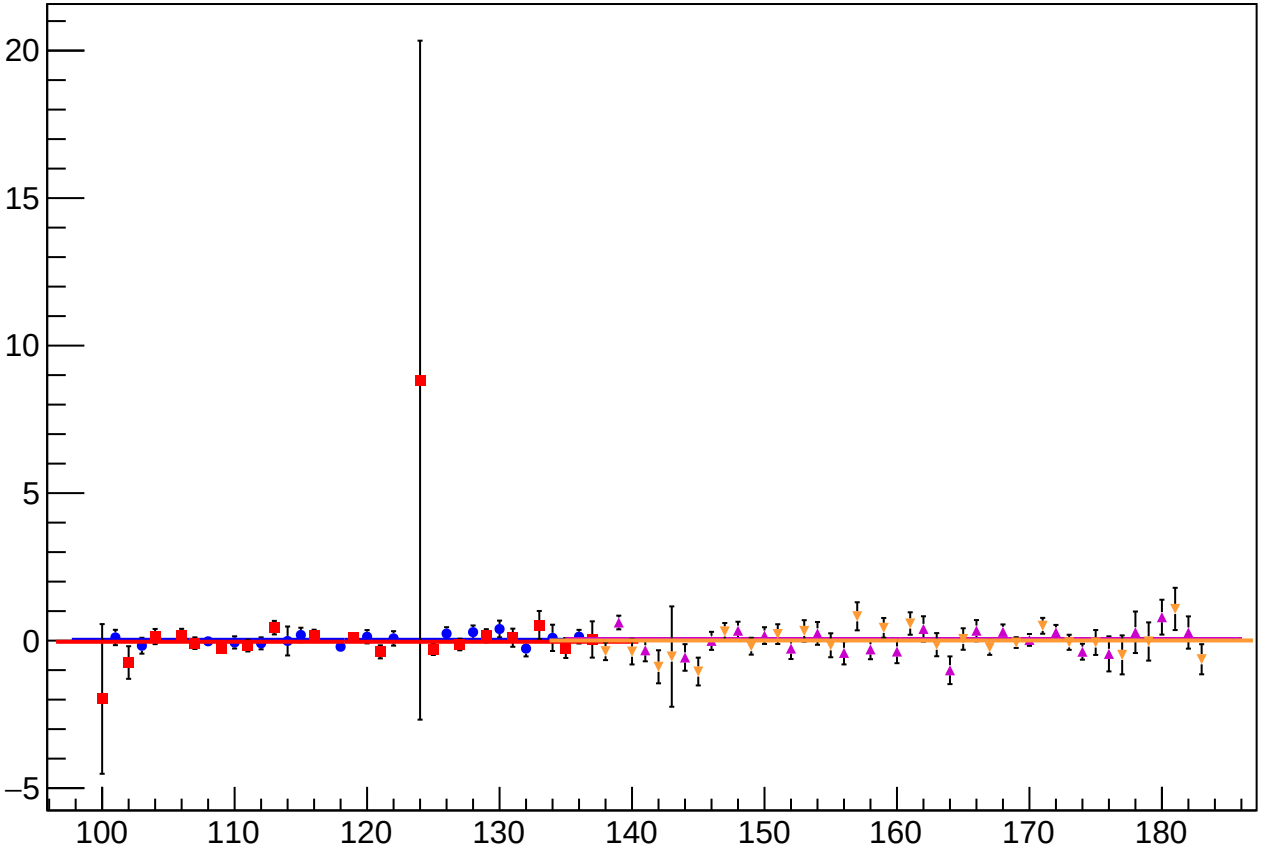
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11588422.5/37

Out: 0.006+/-0.000 χ^2/NDF:11681982.3/42

All: 0.006+/-0.000 χ^2/NDF: 23325584.6/80

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: 0.005+/-0.071 χ^2/NDF:28.6/23

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: 0.030+/-0.050 χ^2/NDF: 56.6/45

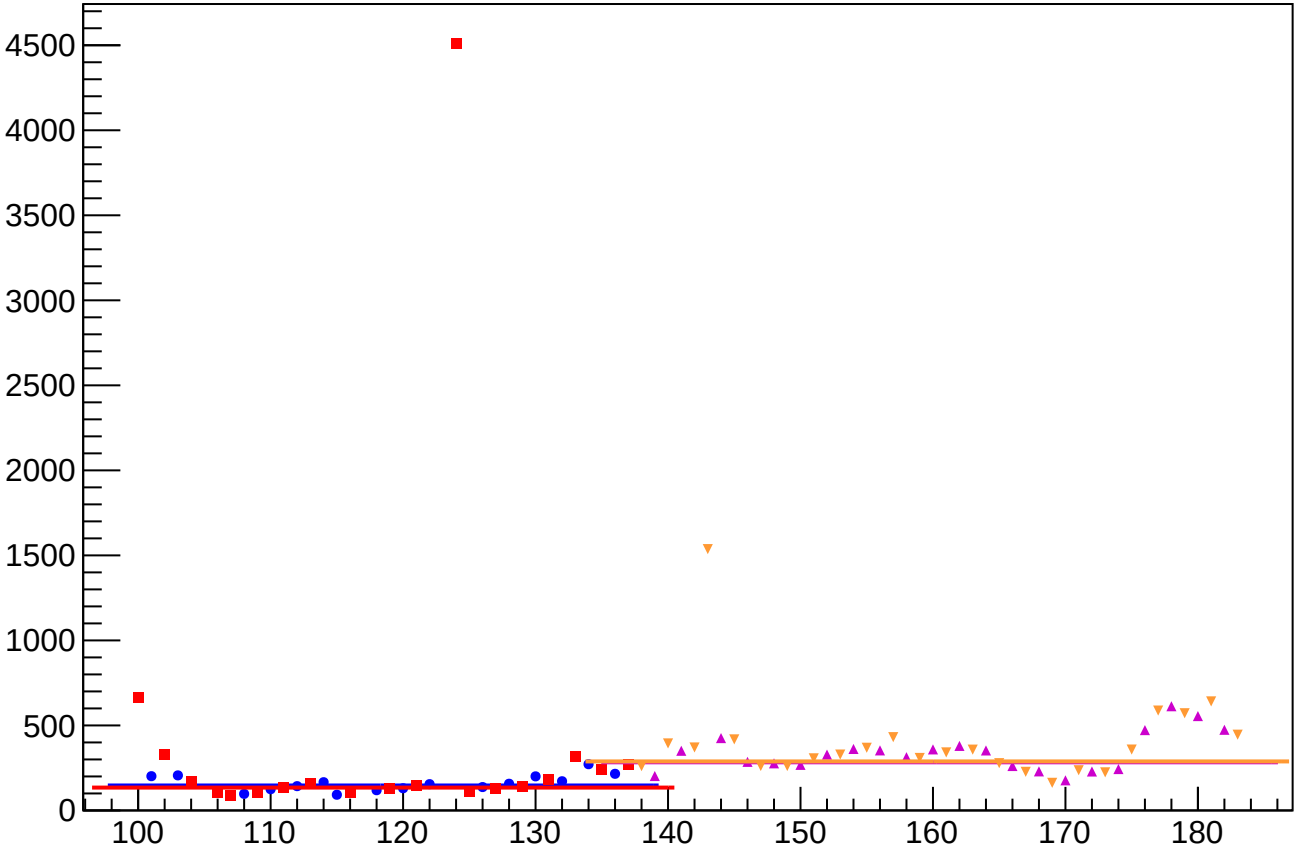
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/80

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: 288.333+/-0.051 χ^2/NDF:4636246.5/23

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: 285.704+/-0.036 χ^2/NDF: 7672307.9/45

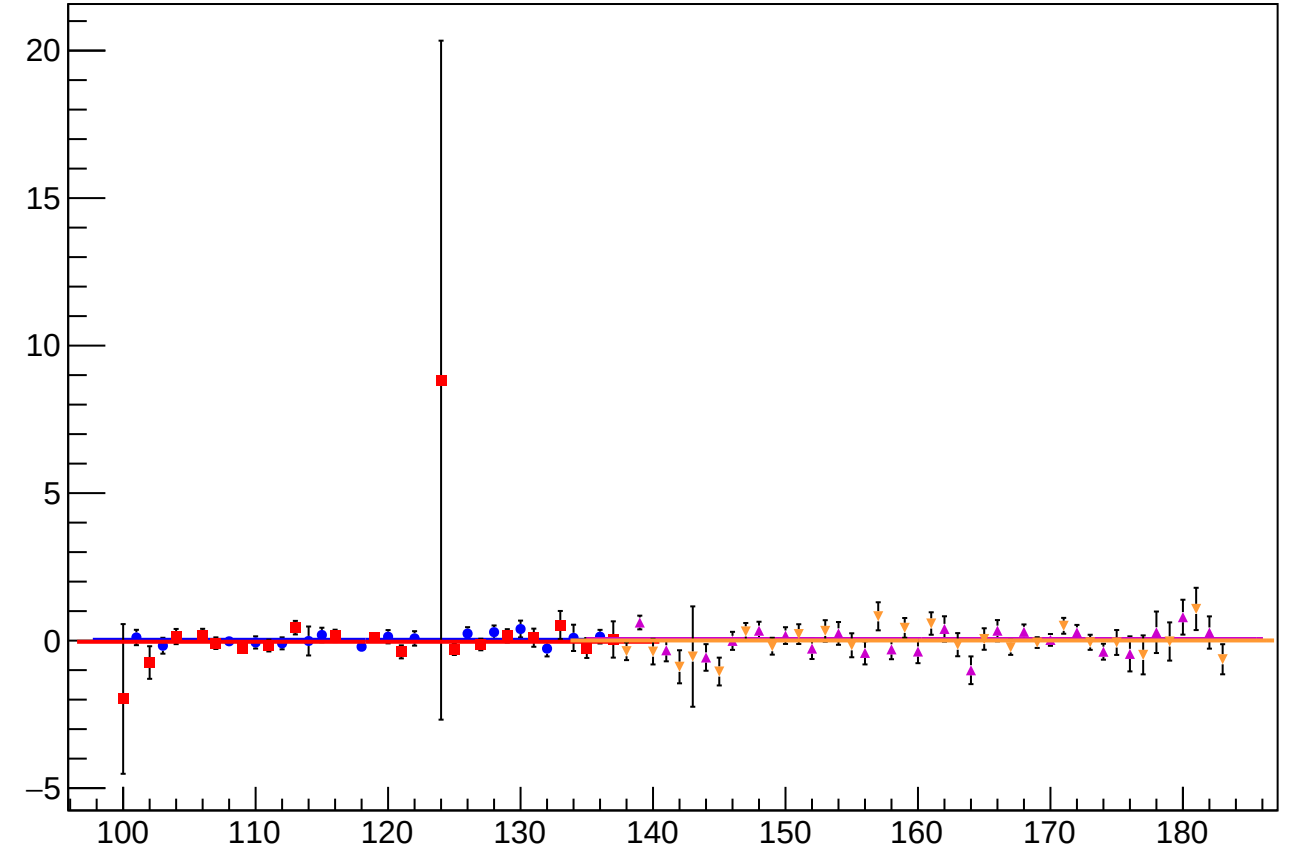
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 201.288+/-0.032 χ^2/NDF:8487953.1/37

Out: 191.483+/-0.031 χ^2/NDF:12084132.9/42

All: 196.247+/-0.022 χ^2/NDF: 20621533.3/80

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: 0.005+/-0.071 χ^2/NDF:28.6/23

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: 0.030+/-0.050 χ^2/NDF: 56.6/45

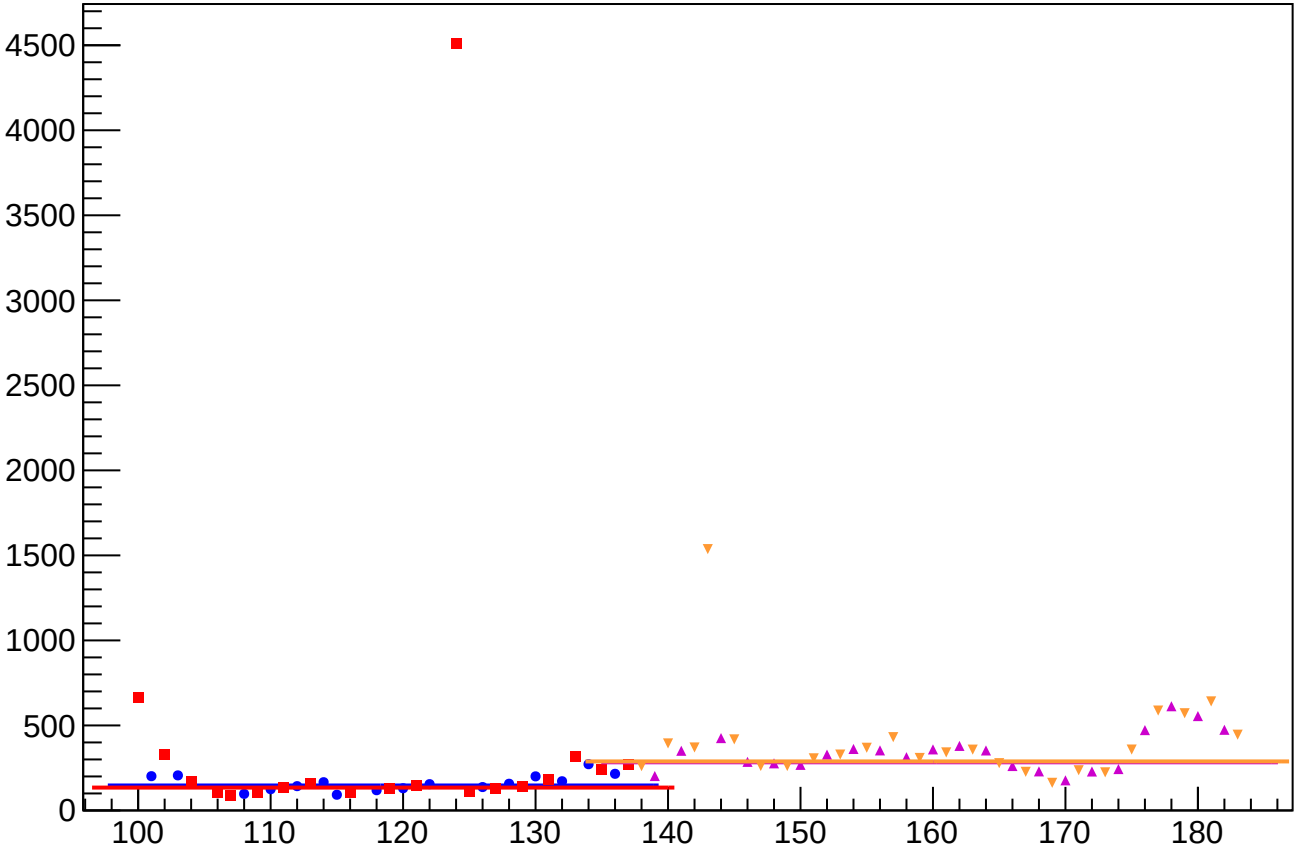
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/37

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/80

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: 288.333+/-0.051 χ^2/NDF:4636246.5/23

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 283.125+/-0.050 χ^2/NDF:3030693.1/21

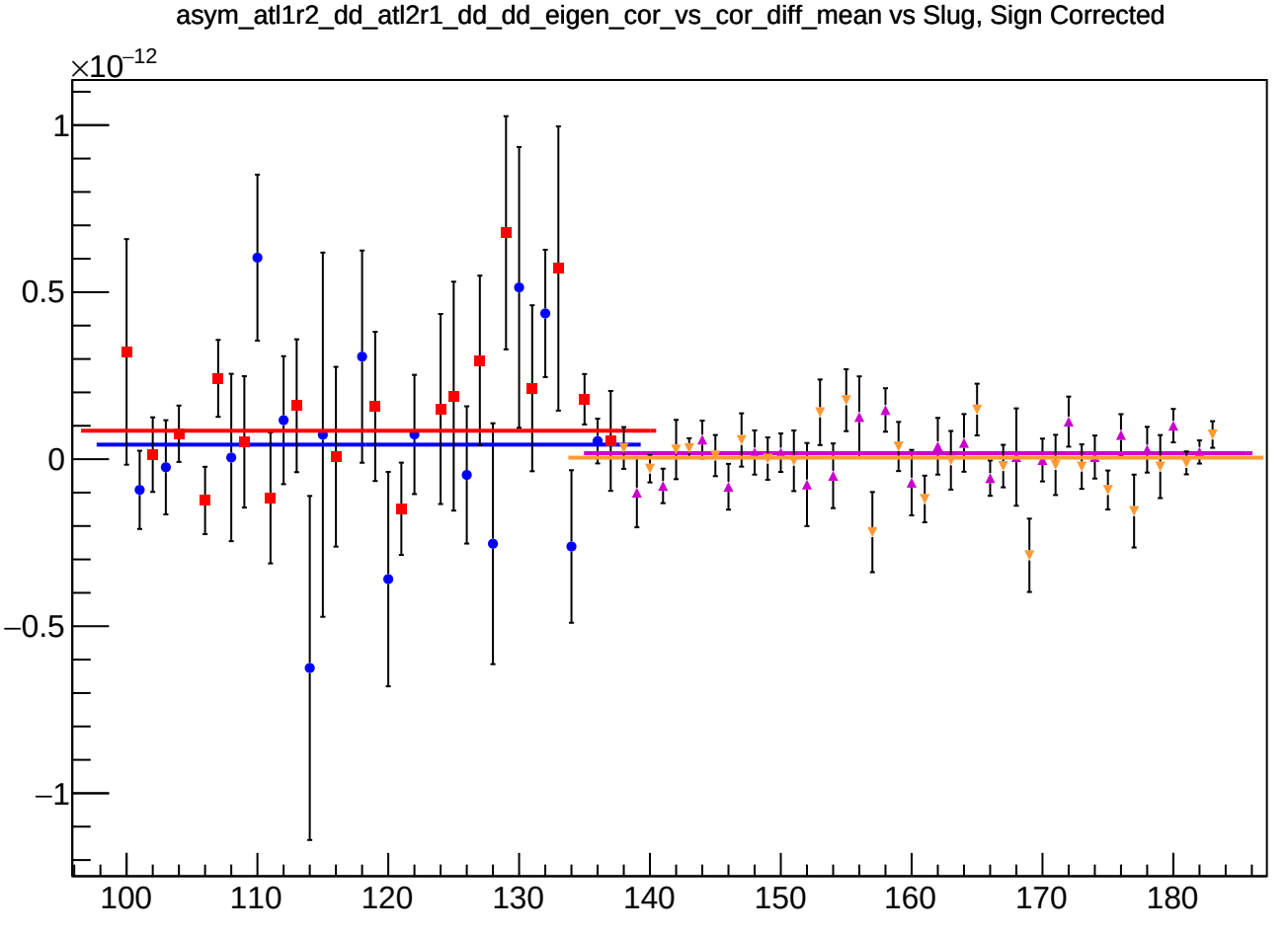
Left: 285.704+/-0.036 χ^2/NDF: 7672307.9/45

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 201.288+/-0.032 χ^2/NDF:8487953.1/37

Out: 191.483+/-0.031 χ^2/NDF:12084132.9/42

All: 196.247+/-0.022 χ^2/NDF: 20621533.3/80



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.6/23

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: 55.8/45

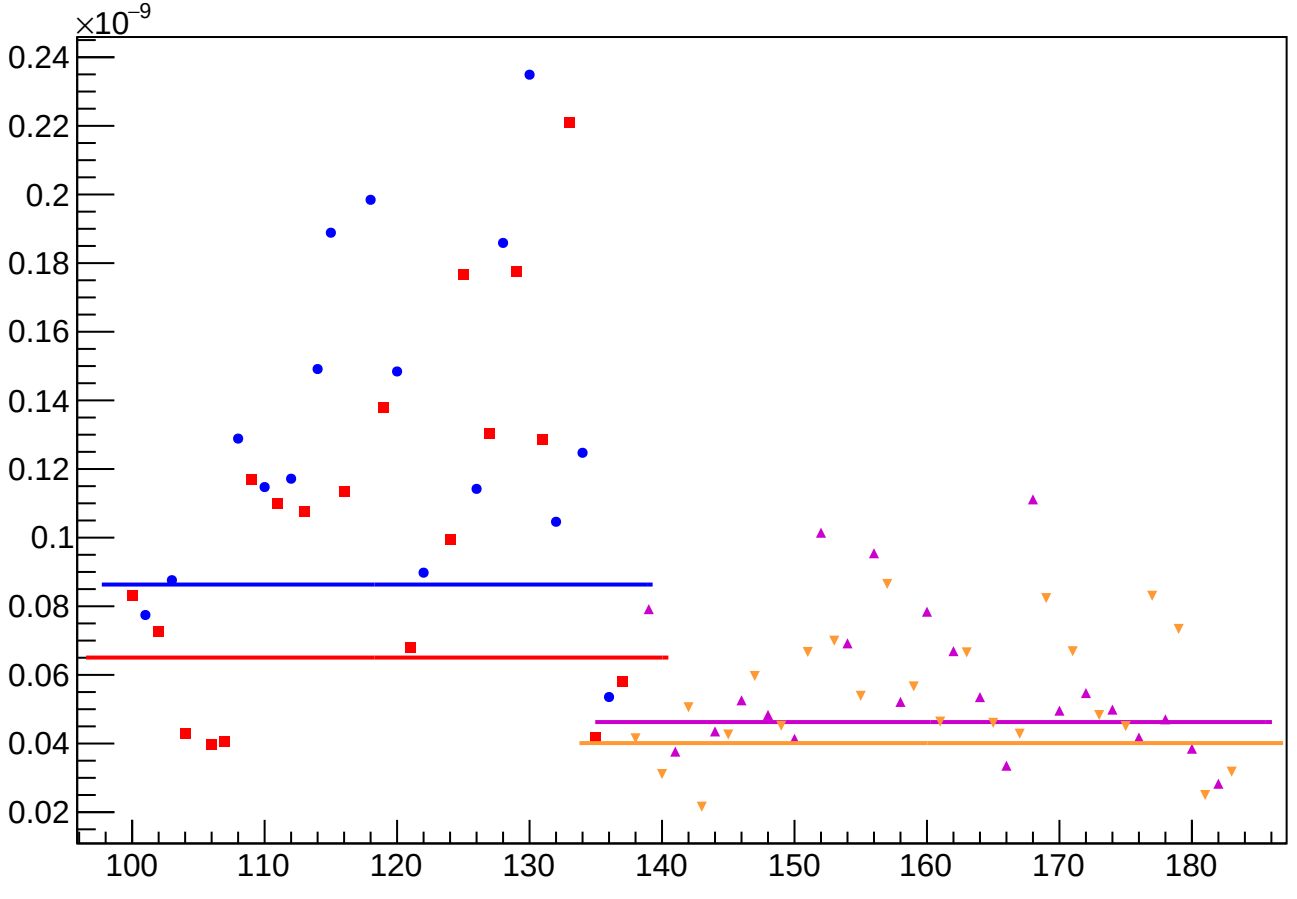
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:40.9/37

Out: 0.000+/-0.000 χ^2/NDF:56.8/42

All: 0.000+/-0.000 χ^2/NDF: 97.8/80

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:3609550.8/23

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: 6462264.4/45

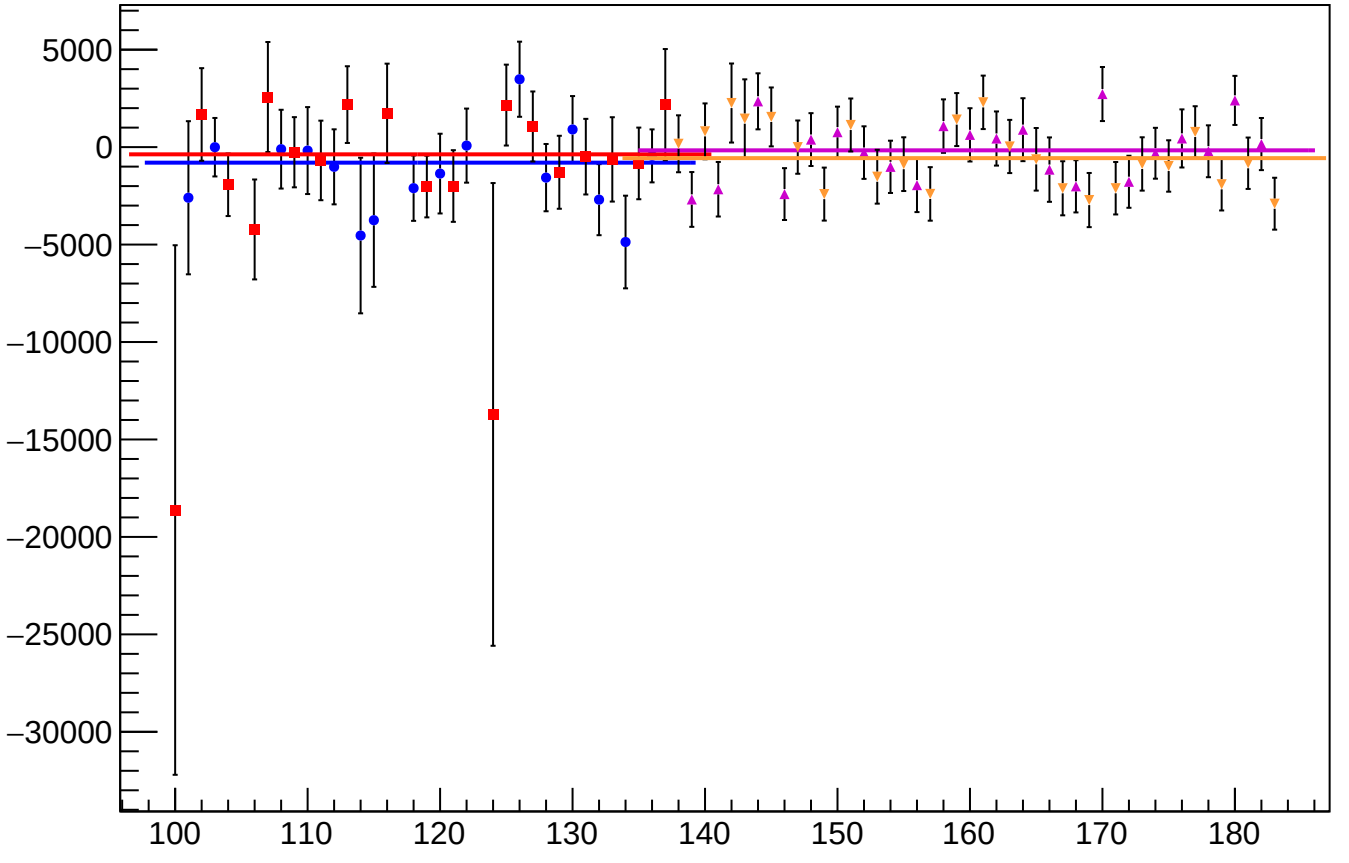
Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:5791726.0/37

Out: 0.000+/-0.000 χ^2/NDF:6705937.3/42

All: 0.000+/-0.000 χ^2/NDF: 12821942.0/80

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -565.016+/-288.147 χ^2/NDF:28.9/23

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -164.744+/-293.807 χ^2/NDF:28.1/21

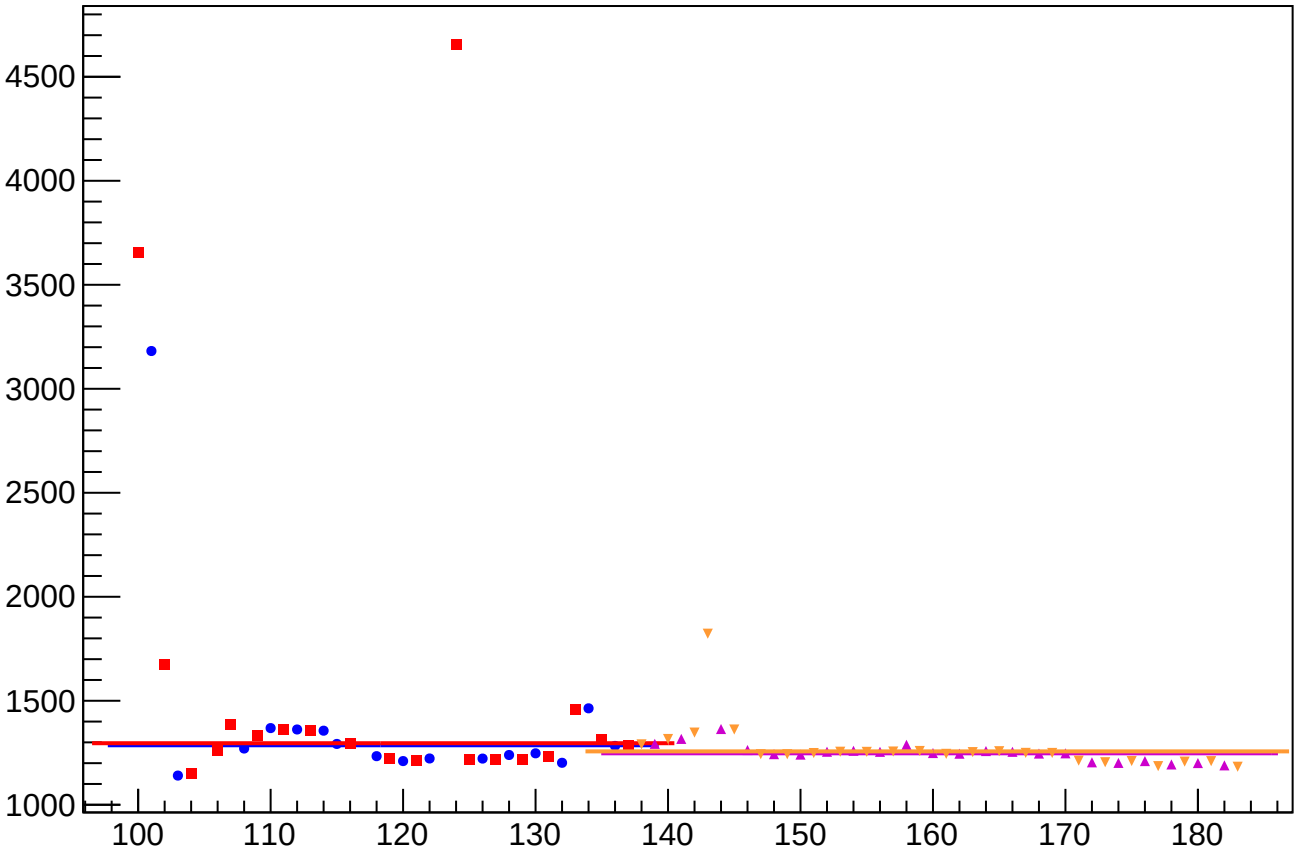
Left: -368.773+/-205.722 χ^2/NDF: 58.0/45

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -333.305+/-251.633 χ^2/NDF:42.8/37

Out: -514.269+/-247.834 χ^2/NDF:44.6/42

All: -425.163+/-176.573 χ^2/NDF: 87.6/80



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1256.678+/-0.204 χ^2/NDF:200980.3/23

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: 1252.140+/-0.145 χ^2/NDF: 240371.9/45

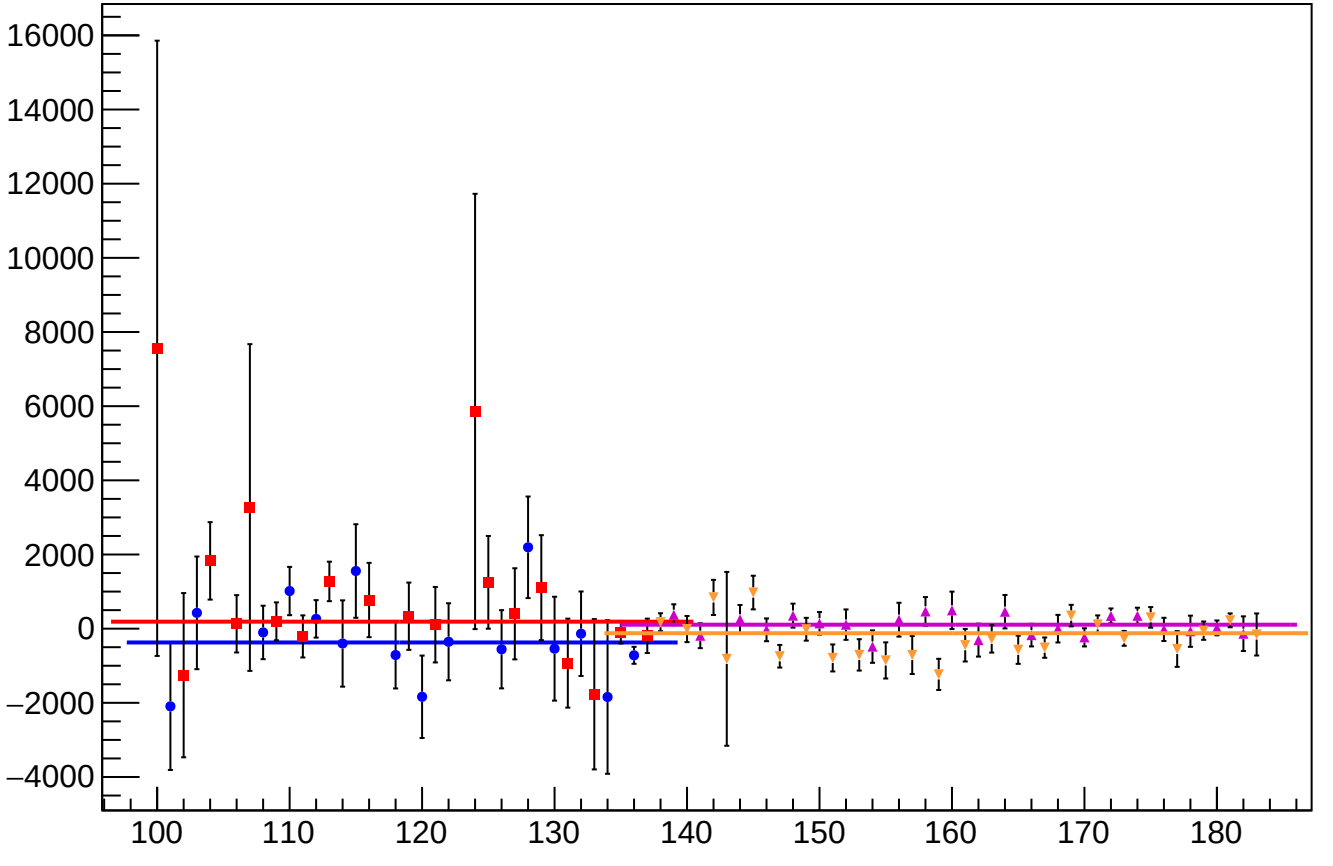
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1257.729+/-0.178 χ^2/NDF:565741.6/37

Out: 1266.896+/-0.175 χ^2/NDF:538714.5/42

All: 1262.382+/-0.125 χ^2/NDF: 1105803.6/80

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: -122.930+/-65.215 χ^2/NDF:46.7/23

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: -11.445+/-46.799 χ^2/NDF: 66.5/45

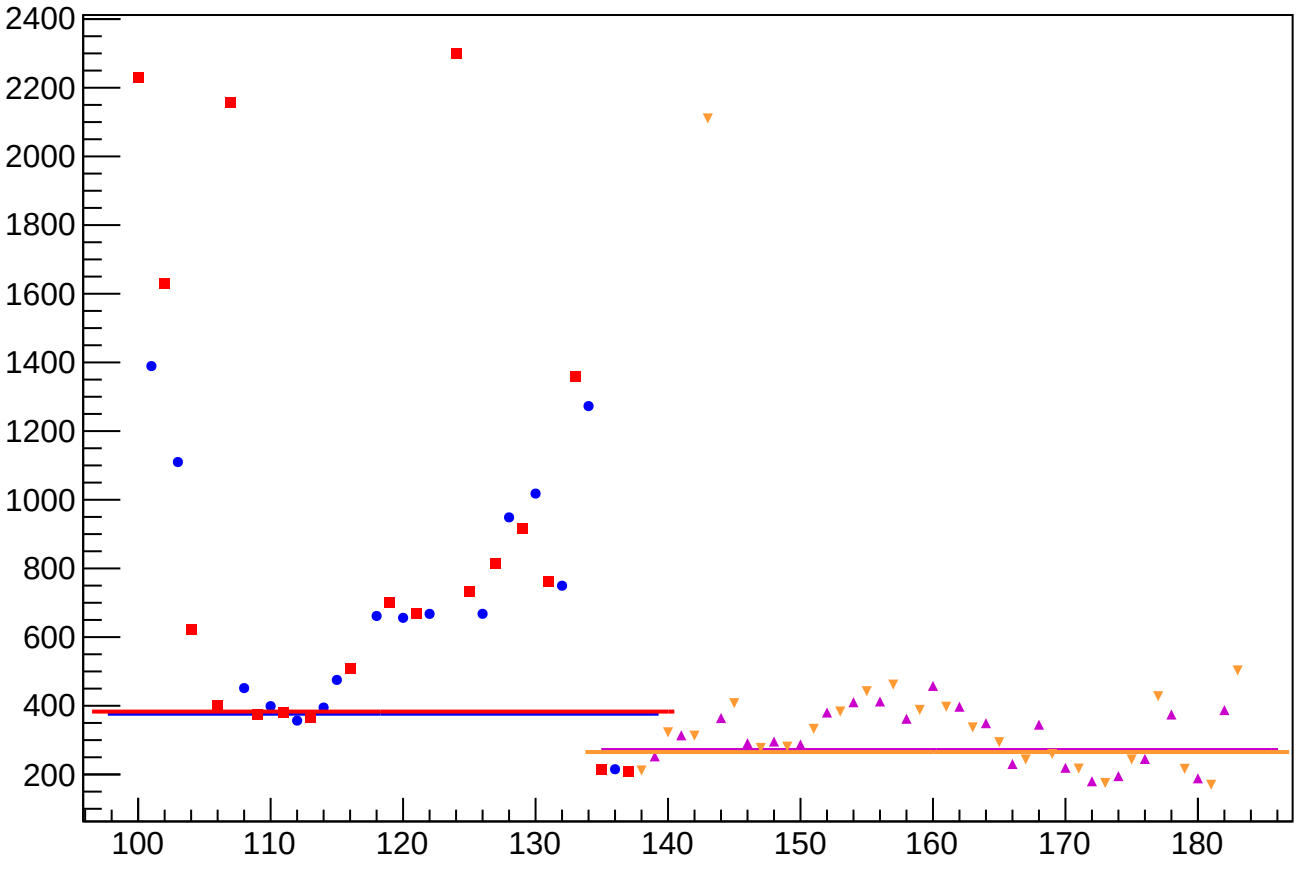
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 40.961+/-62.403 χ^2/NDF:38.9/37

Out: -82.746+/-60.869 χ^2/NDF:64.3/42

All: -22.432+/-43.573 χ^2/NDF: 105.2/80

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: 265.304+/-0.046 χ^2/NDF:4528427.3/23

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 271.167+/-0.048 χ^2/NDF:2778914.3/21

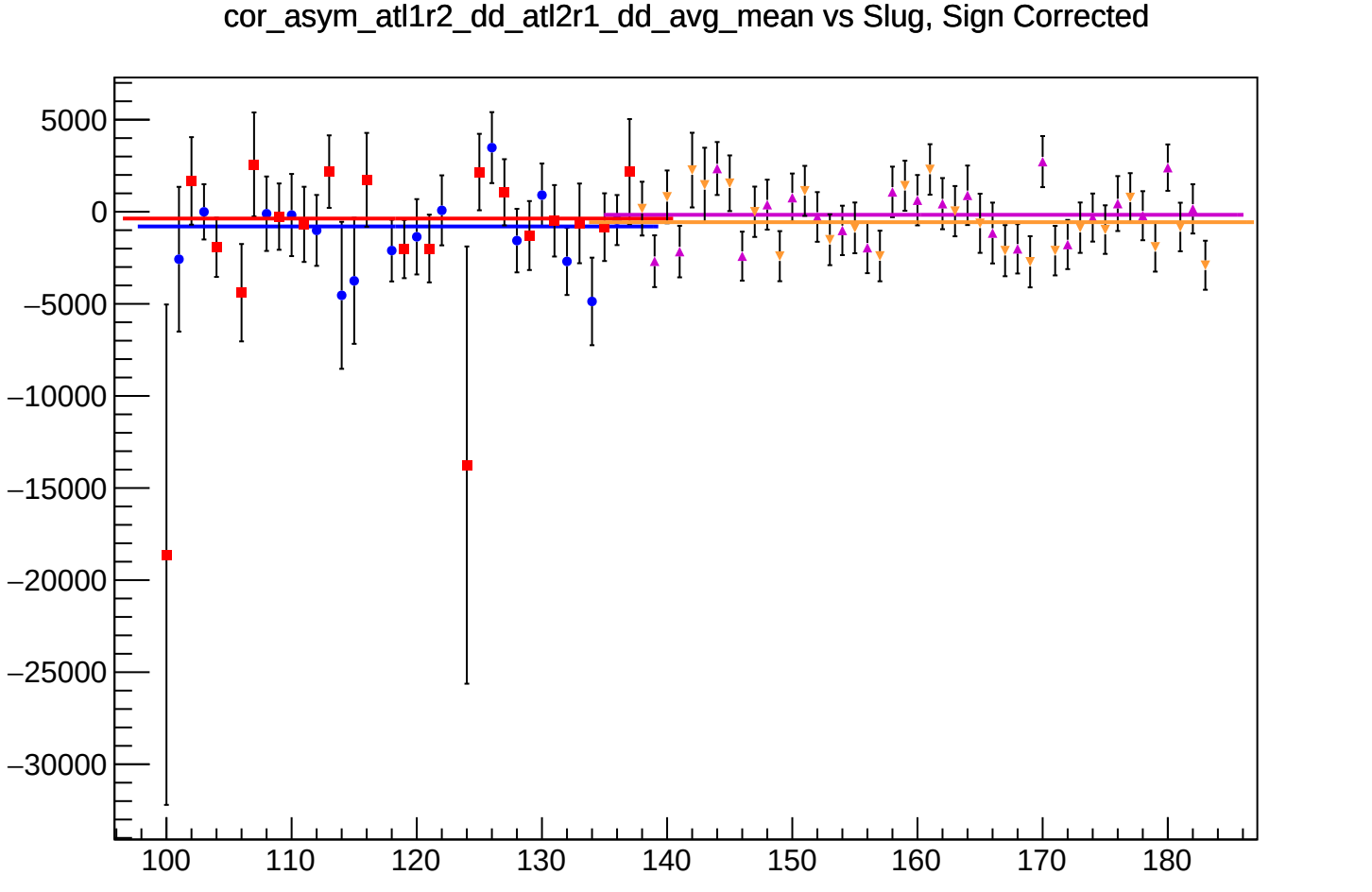
Left: 268.147+/-0.033 χ^2/NDF: 7315181.4/45

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 285.718+/-0.044 χ^2/NDF:7650525.2/37

Out: 280.478+/-0.043 χ^2/NDF:9422916.3/42

All: 283.033+/-0.031 χ^2/NDF: 17080669.6/80



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -564.979+/-288.147 χ^2/NDF:28.9/23

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: -368.744+/-205.722 χ^2/NDF: 58.0/45

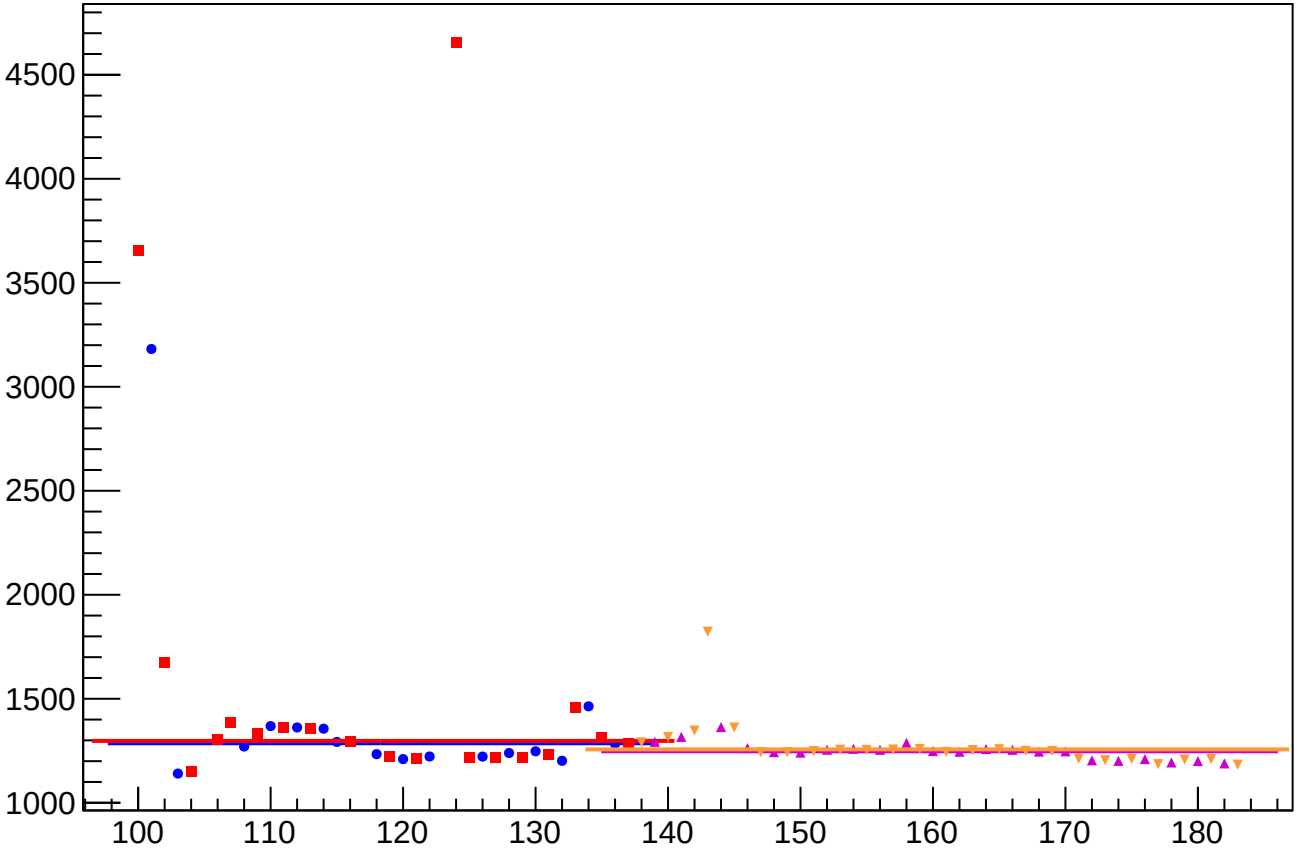
Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -333.183+/-251.633 χ^2/NDF:42.8/37

Out: -513.664+/-247.904 χ^2/NDF:44.7/42

All: -424.771+/-176.598 χ^2/NDF: 87.7/80

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1256.678+/-0.204 χ^2/NDF:200980.3/23

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: 1252.140+/-0.145 χ^2/NDF: 240371.9/45

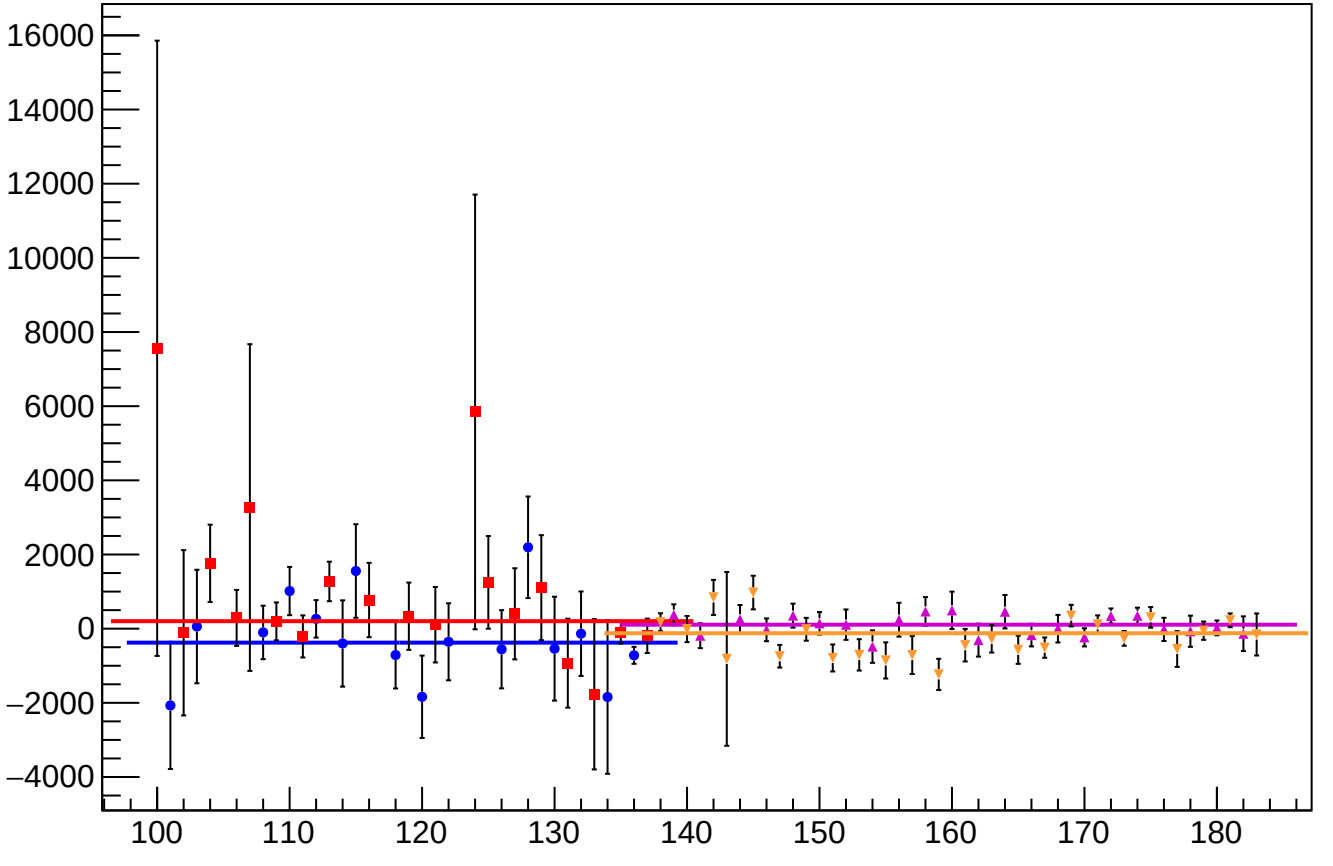
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1257.729+/-0.178 χ^2/NDF:565743.0/37

Out: 1267.257+/-0.175 χ^2/NDF:539097.2/42

All: 1262.564+/-0.125 χ^2/NDF: 1106295.4/80

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: -122.907+/-65.216 χ^2/NDF:46.7/23

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: -11.379+/-46.801 χ^2/NDF: 66.5/45

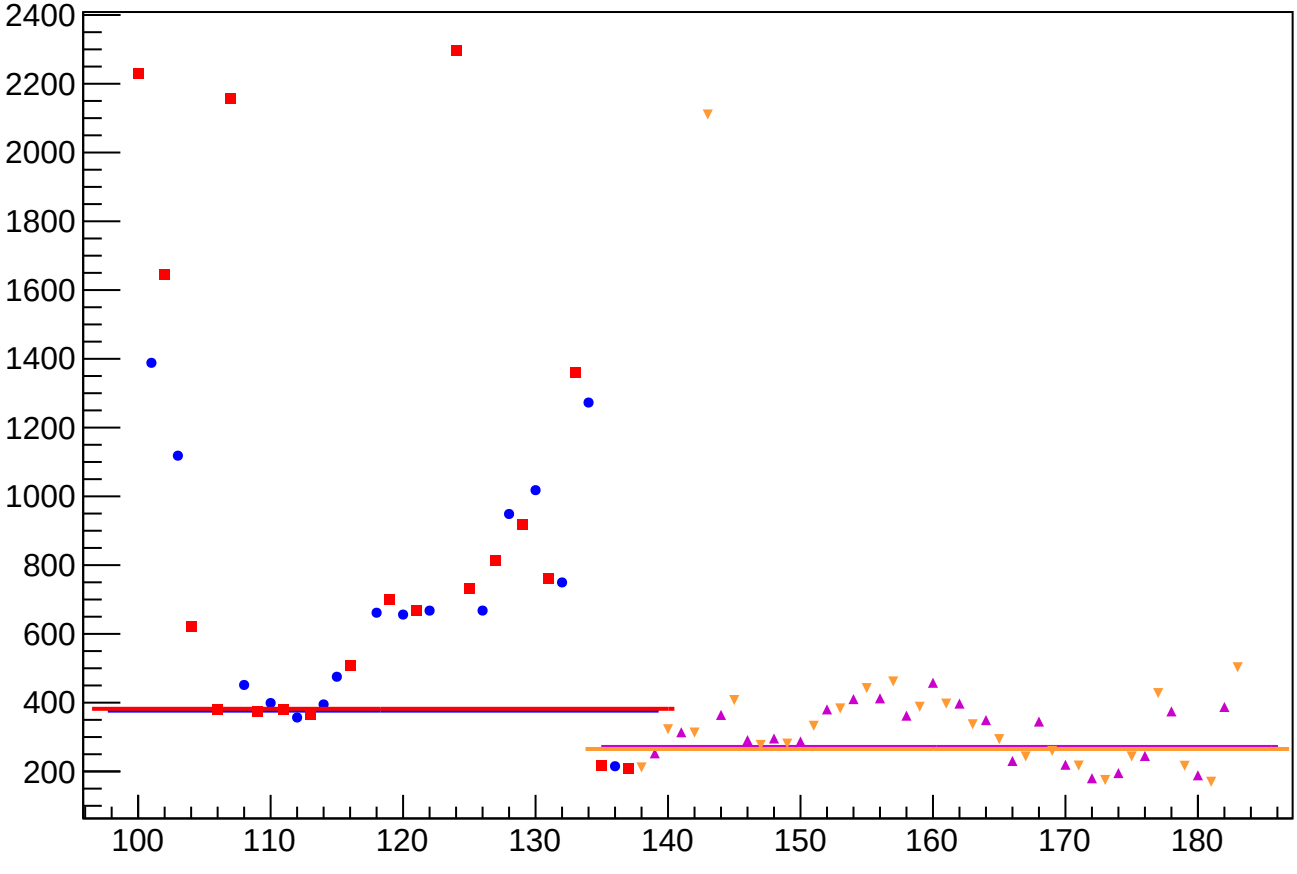
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 40.457+/-62.405 χ^2/NDF:38.8/37

Out: -80.939+/-60.861 χ^2/NDF:64.0/42

All: -21.762+/-43.571 χ^2/NDF: 104.7/80

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: 265.309+/-0.046 χ^2/NDF:4528444.6/23

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 271.176+/-0.048 χ^2/NDF:2778687.6/21

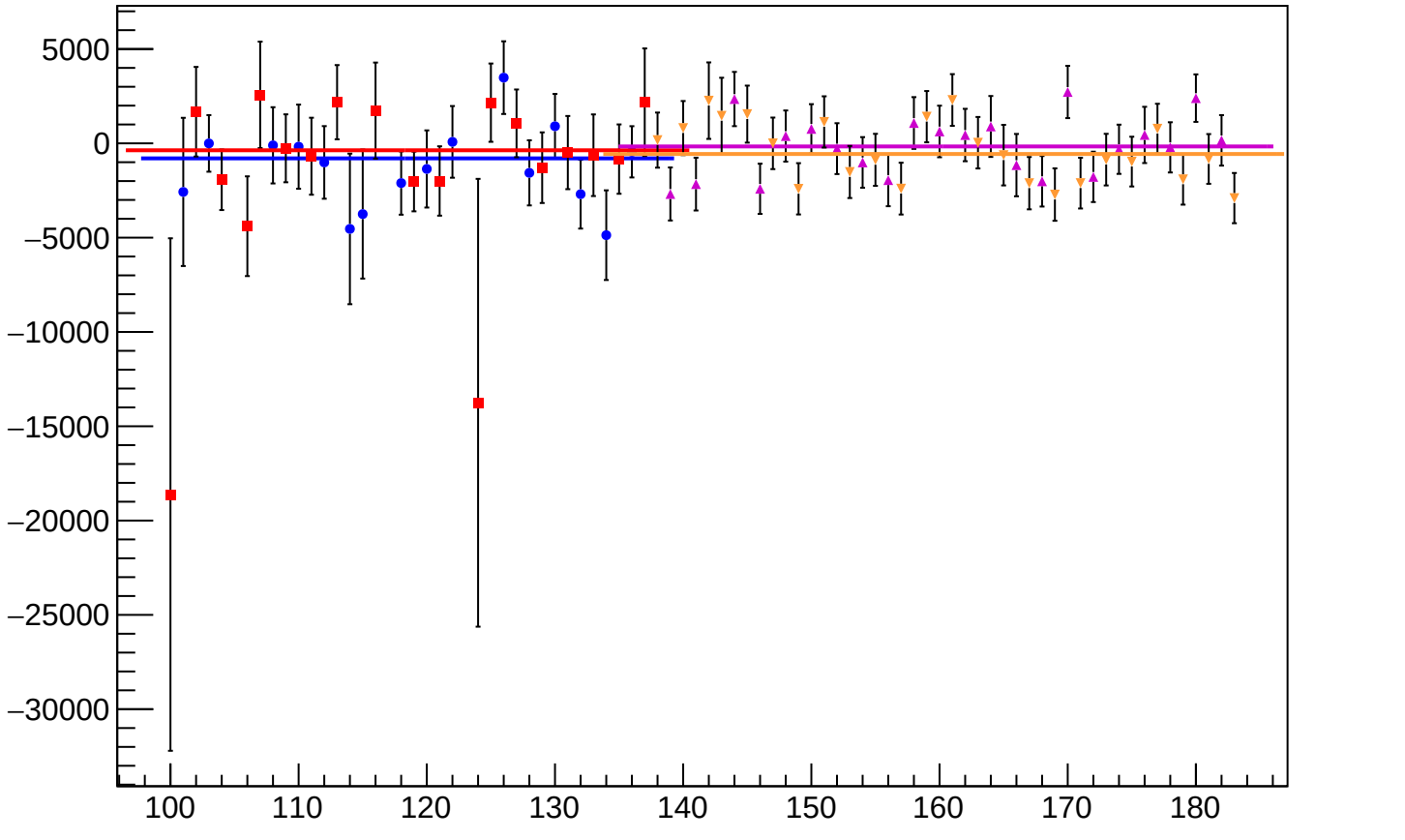
Left: 268.155+/-0.033 χ^2/NDF: 7314982.8/45

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 285.723+/-0.044 χ^2/NDF:7653052.5/37

Out: 280.393+/-0.043 χ^2/NDF:9416684.1/42

All: 282.991+/-0.031 χ^2/NDF: 17077215.1/80



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -564.979+/-288.147 χ^2/NDF:28.9/23

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -164.724+/-293.807 χ^2/NDF:28.1/21

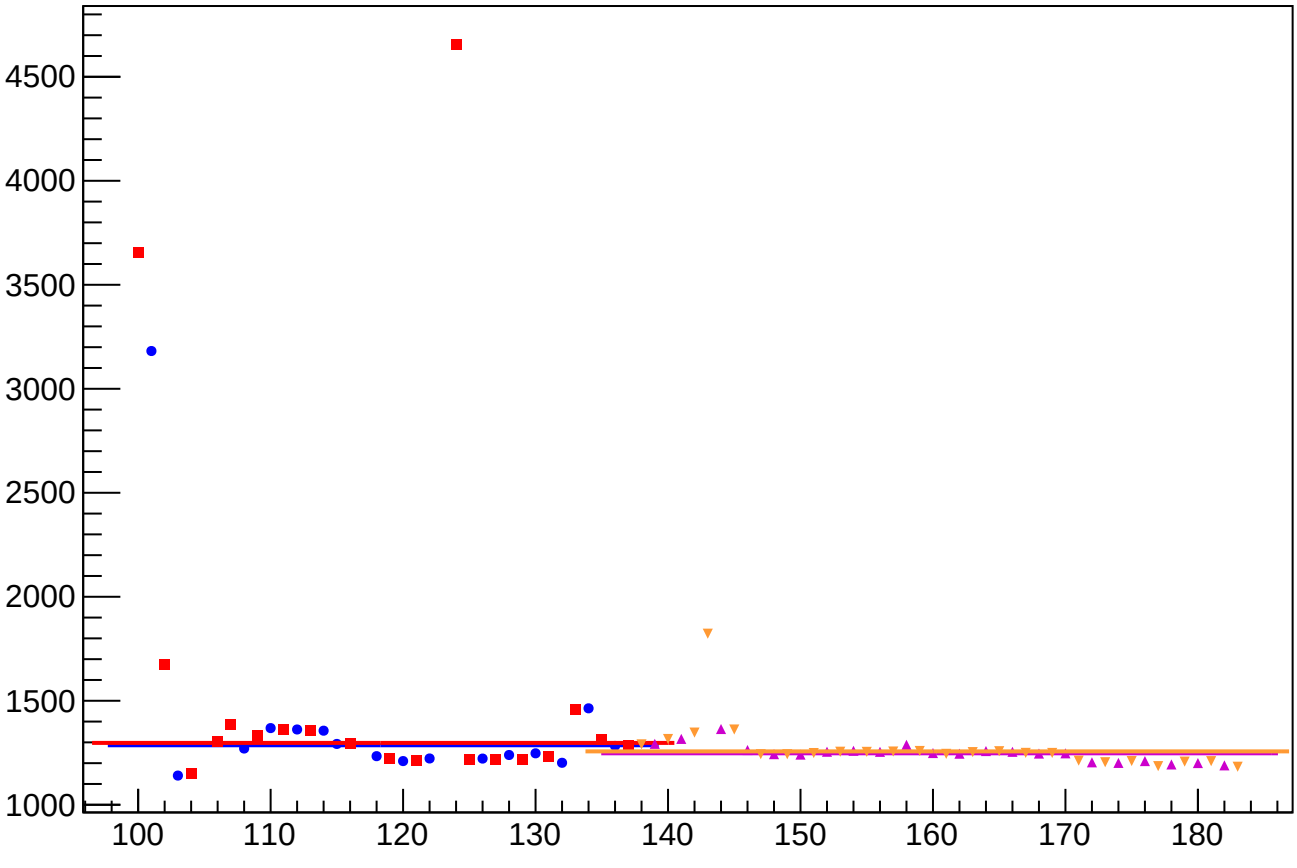
Left: -368.744+/-205.722 χ^2/NDF: 58.0/45

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -333.183+/-251.633 χ^2/NDF:42.8/37

Out: -513.664+/-247.904 χ^2/NDF:44.7/42

All: -424.771+/-176.598 χ^2/NDF: 87.7/80



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1256.678+/-0.204 χ^2/NDF:200980.3/23

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: 1252.140+/-0.145 χ^2/NDF: 240371.9/45

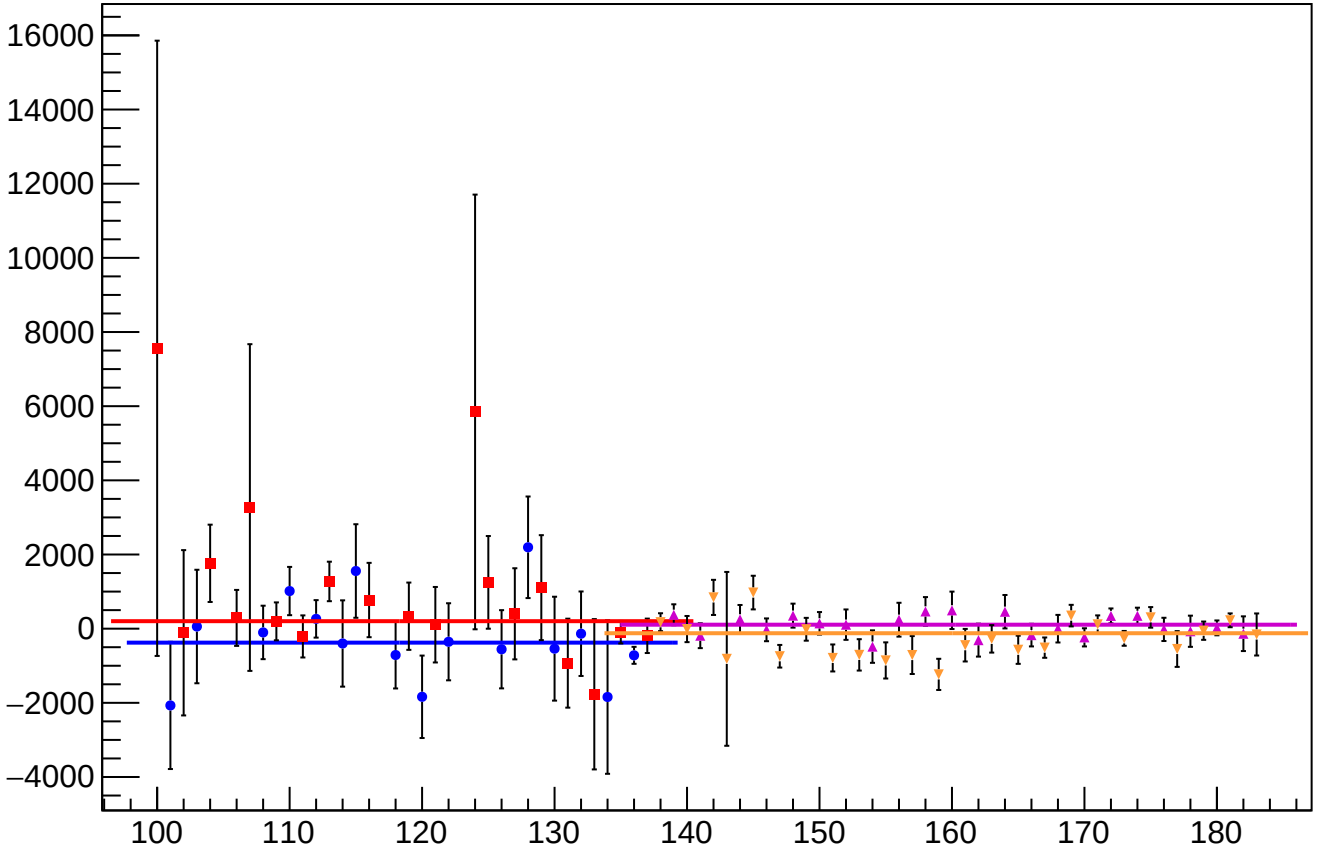
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1257.729+/-0.178 χ^2/NDF:565743.0/37

Out: 1267.257+/-0.175 χ^2/NDF:539097.2/42

All: 1262.564+/-0.125 χ^2/NDF: 1106295.4/80

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: -122.907+/-65.216 χ^2/NDF:46.7/23

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: -11.379+/-46.801 χ^2/NDF: 66.5/45

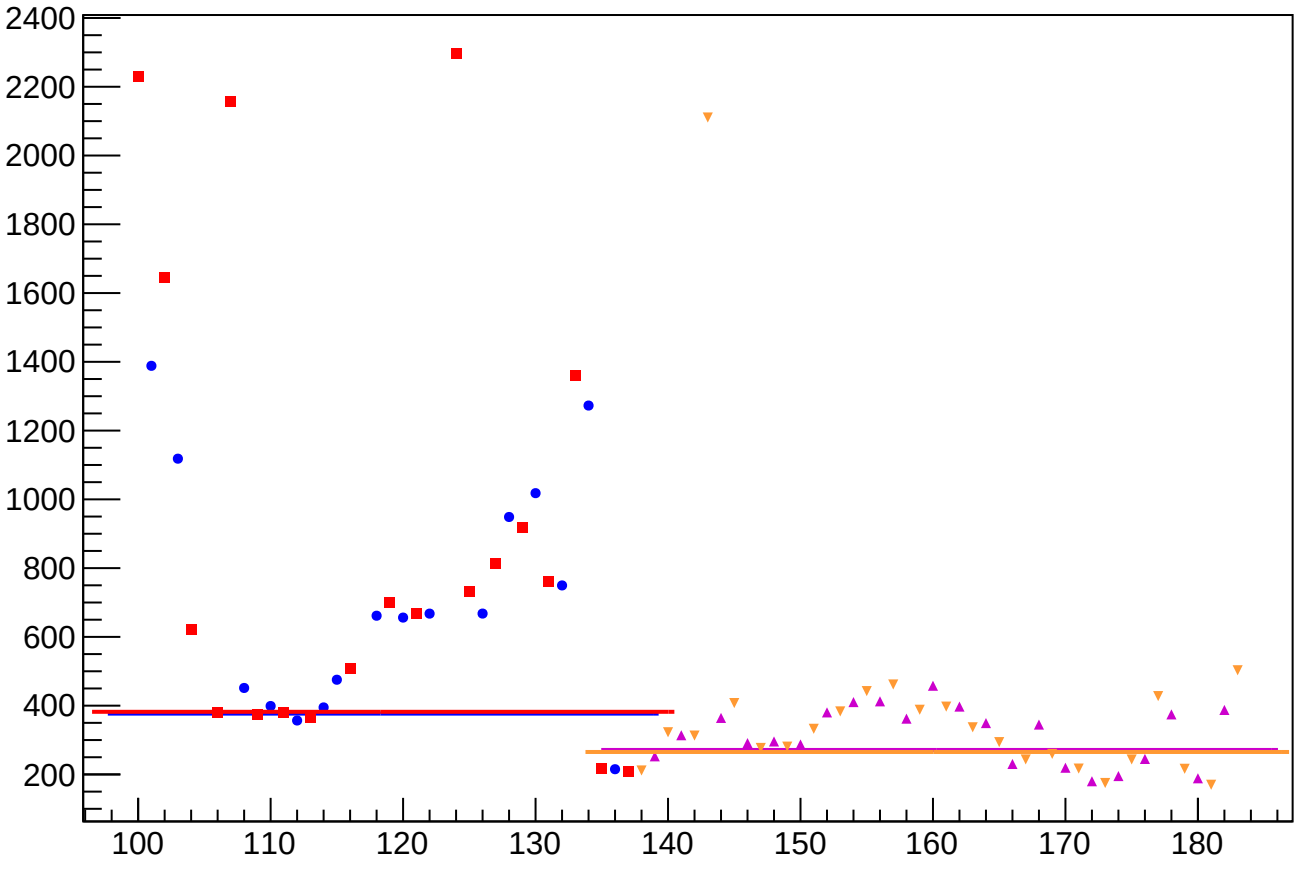
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 40.457+/-62.405 χ^2/NDF:38.8/37

Out: -80.939+/-60.861 χ^2/NDF:64.0/42

All: -21.762+/-43.571 χ^2/NDF: 104.7/80

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: 265.309+/-0.046 χ^2/NDF:4528444.6/23

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 271.176+/-0.048 χ^2/NDF:2778687.6/21

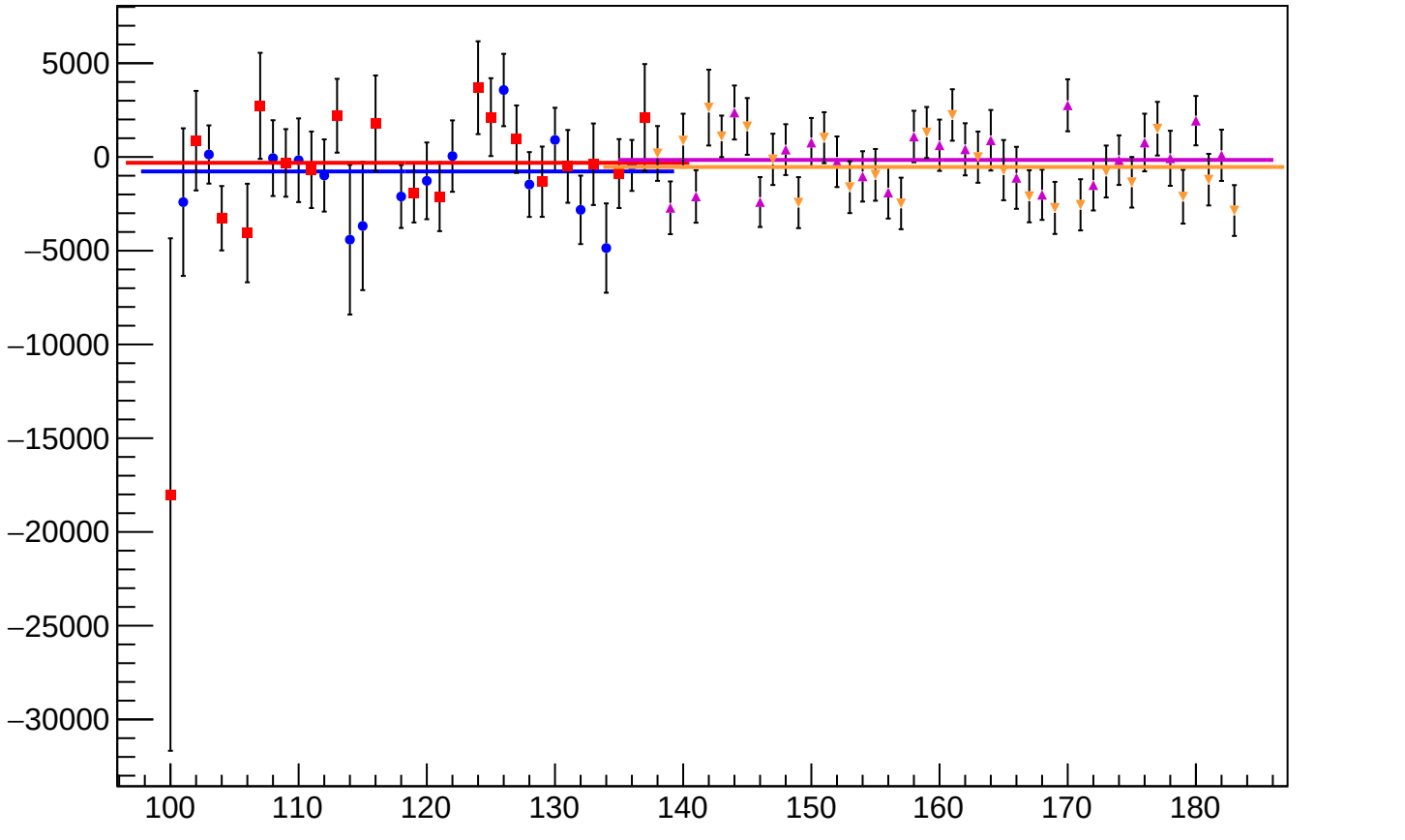
Left: 268.155+/-0.033 χ^2/NDF: 7314982.8/45

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 285.723+/-0.044 χ^2/NDF:7653052.5/37

Out: 280.393+/-0.043 χ^2/NDF:9416684.1/42

All: 282.991+/-0.031 χ^2/NDF: 17077215.1/80



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -534.921+/-284.814 χ^2/NDF:32.8/23

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -157.854+/-296.987 χ^2/NDF:26.2/21

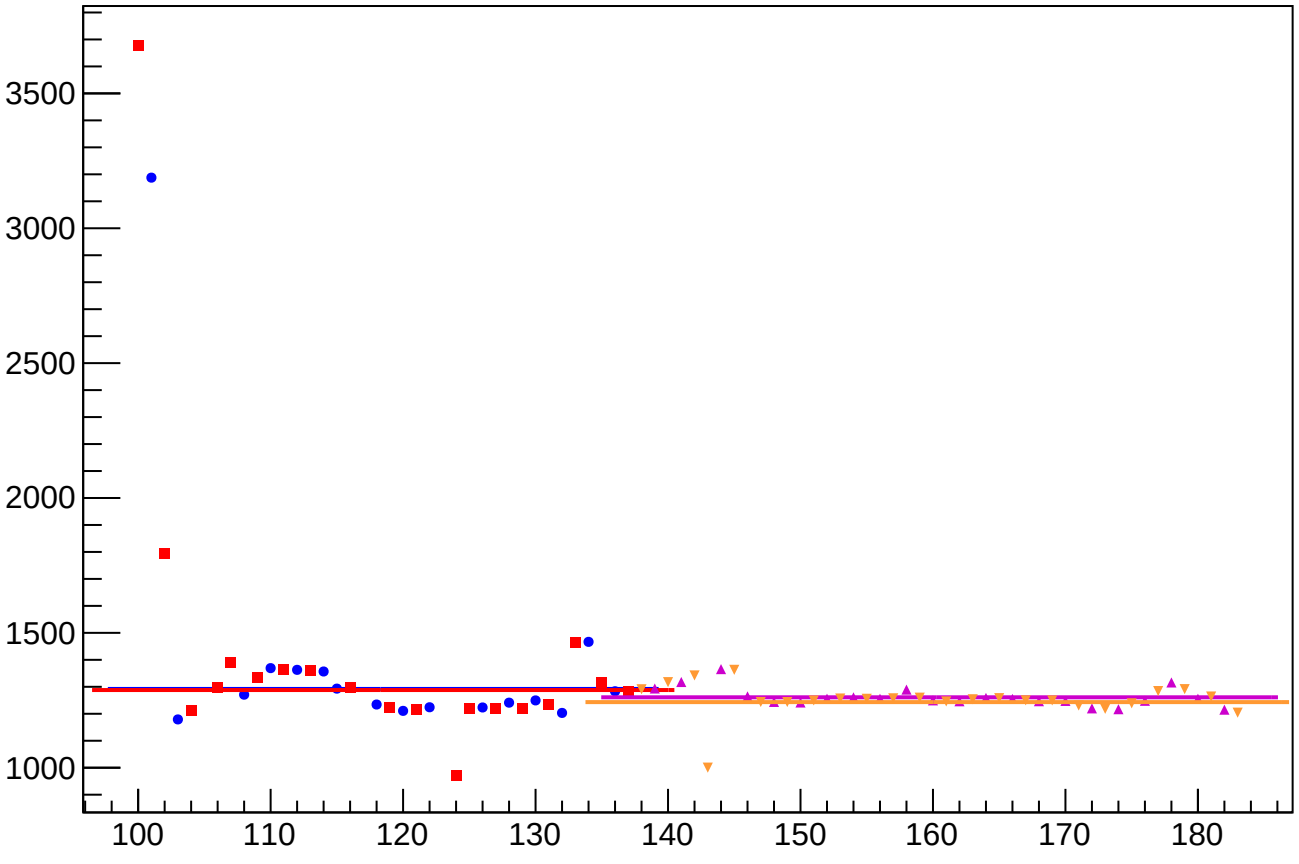
Left: -354.274+/-205.562 χ^2/NDF: 59.8/45

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -322.911+/-253.923 χ^2/NDF:40.9/37

Out: -477.193+/-245.289 χ^2/NDF:50.9/42

All: -402.720+/-176.419 χ^2/NDF: 92.0/80



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1243.257+/-0.201 χ^2/NDF:129149.9/23

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: 1251.795+/-0.145 χ^2/NDF: 159593.3/45

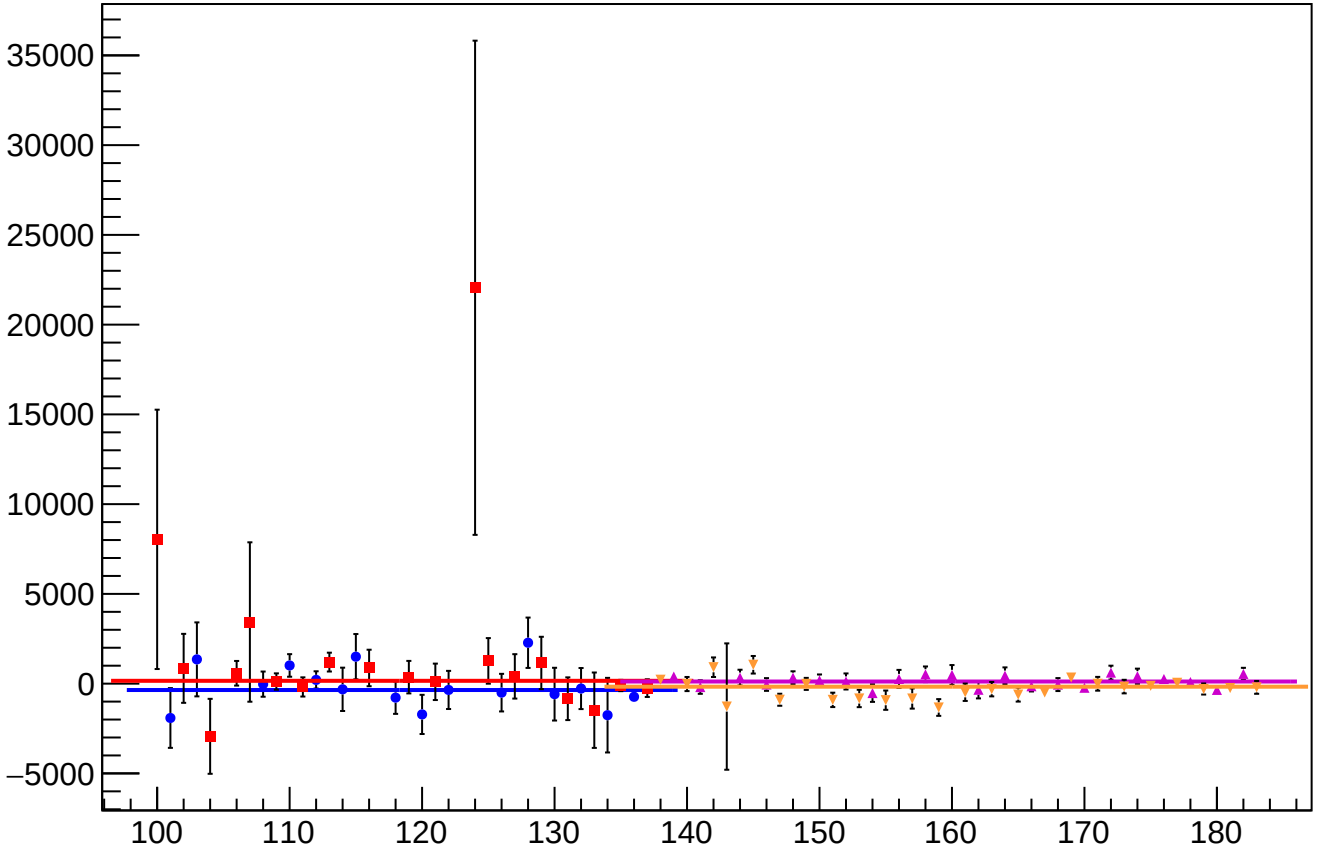
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1269.406+/-0.180 χ^2/NDF:541943.7/37

Out: 1254.811+/-0.173 χ^2/NDF:351100.7/42

All: 1261.856+/-0.125 χ^2/NDF: 896462.6/80

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: -170.049+/-64.466 χ^2/NDF:41.8/23

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: -36.328+/-47.223 χ^2/NDF: 69.0/45

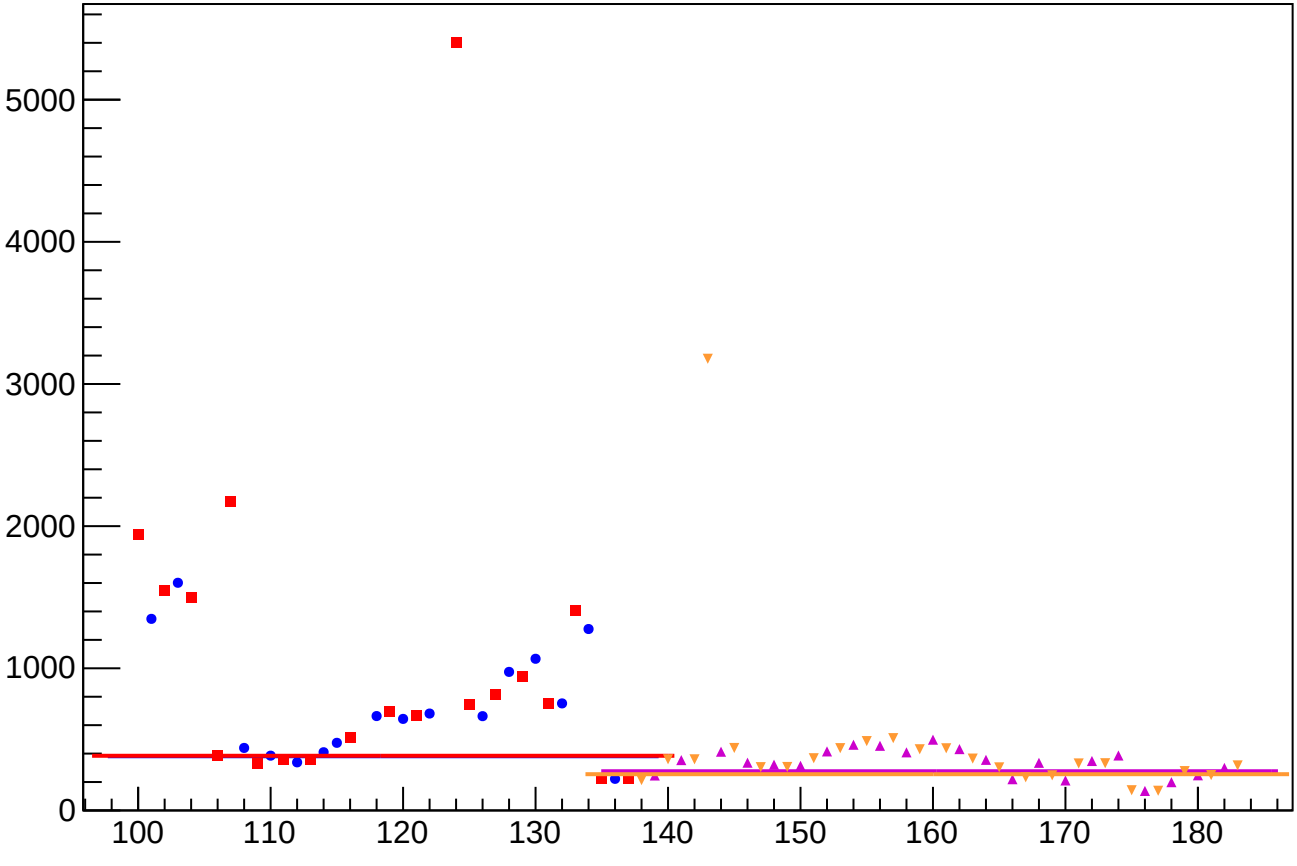
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 50.868+/-64.227 χ^2/NDF:43.0/37

Out: -128.673+/-60.263 χ^2/NDF:60.9/42

All: -44.614+/-43.947 χ^2/NDF: 108.1/80

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: 255.087+/-0.046 χ^2/NDF:6352307.5/23

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 275.869+/-0.049 χ^2/NDF:4022379.0/21

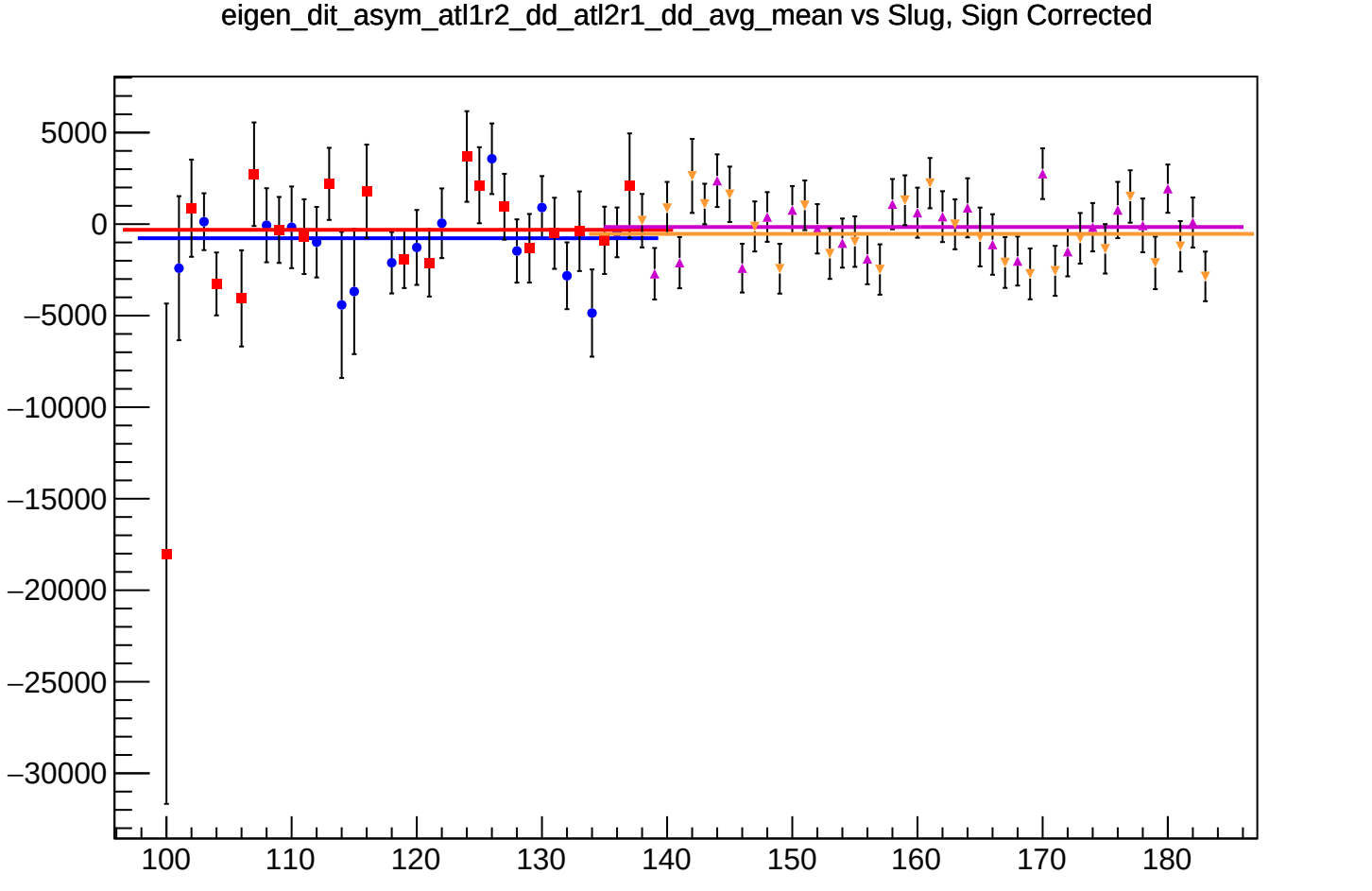
Left: 264.718+/-0.033 χ^2/NDF: 10471004.5/45

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 290.930+/-0.045 χ^2/NDF:9000553.9/37

Out: 271.433+/-0.043 χ^2/NDF:11931682.3/42

All: 280.561+/-0.031 χ^2/NDF: 21030257.1/80



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -534.921+/-284.814 χ^2/NDF:32.8/23

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -157.854+/-296.987 χ^2/NDF:26.2/21

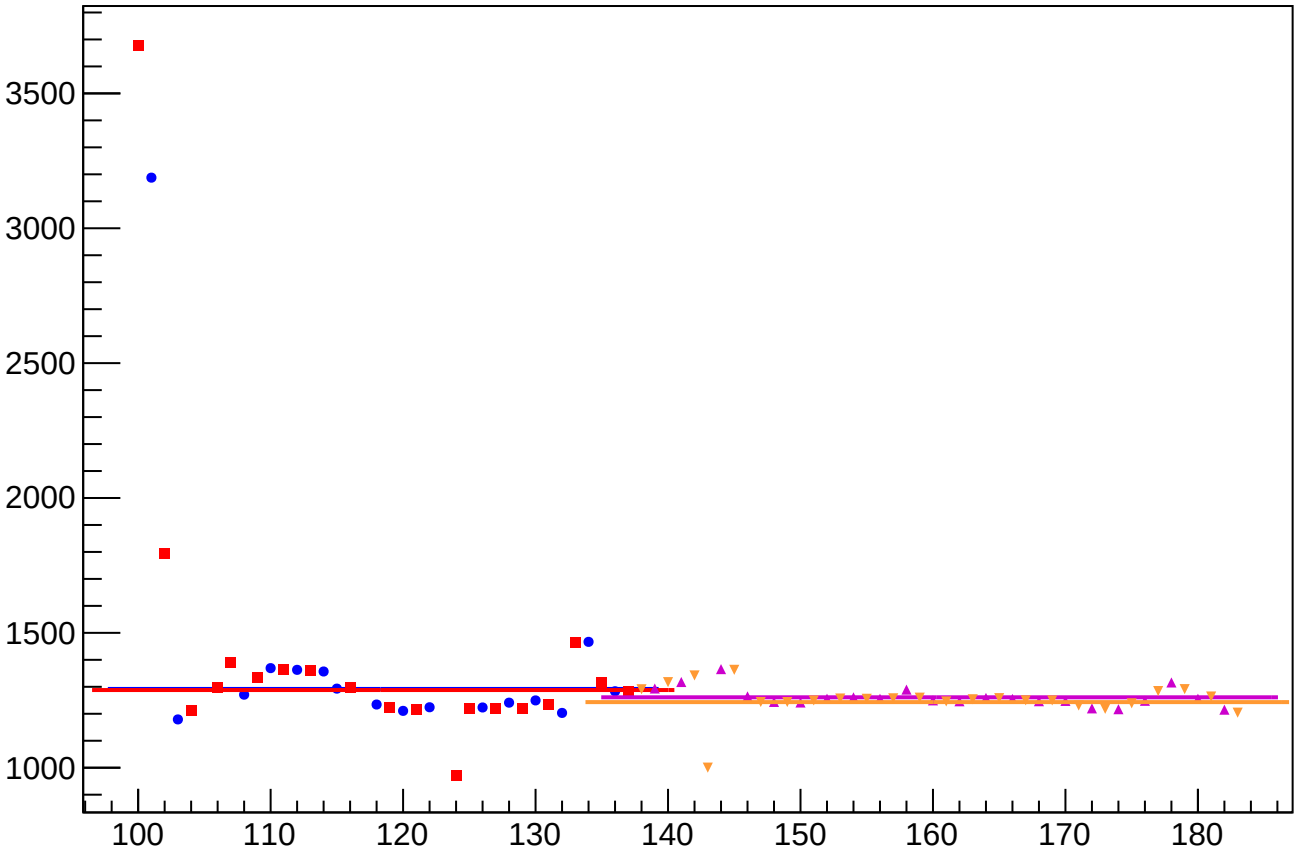
Left: -354.274+/-205.562 χ^2/NDF: 59.8/45

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -322.912+/-253.923 χ^2/NDF:40.9/37

Out: -477.193+/-245.289 χ^2/NDF:50.9/42

All: -402.720+/-176.419 χ^2/NDF: 92.0/80



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1243.257+/-0.201 χ^2/NDF:129149.0/23

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: 1251.795+/-0.145 χ^2/NDF: 159592.5/45

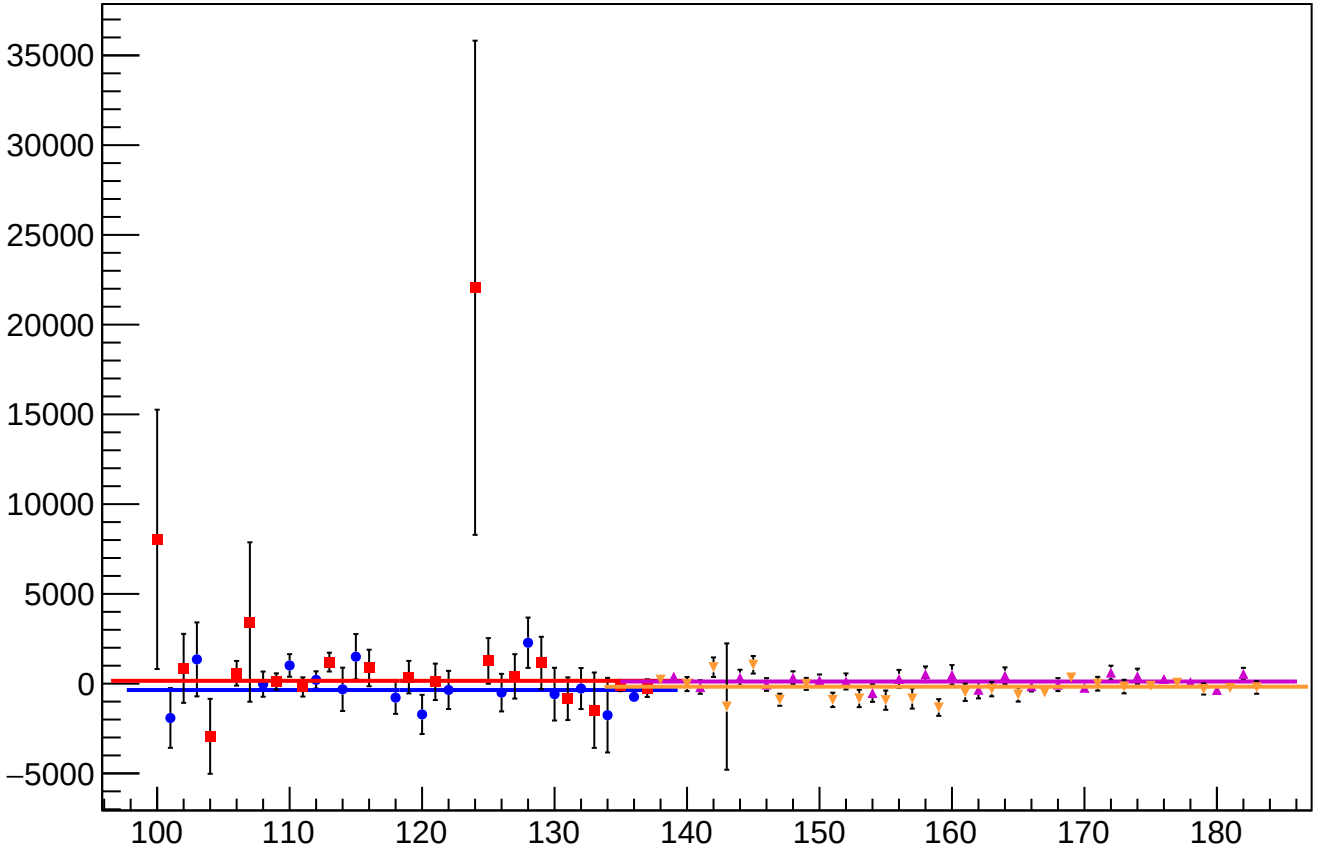
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1269.406+/-0.180 χ^2/NDF:541943.8/37

Out: 1254.811+/-0.173 χ^2/NDF:351100.1/42

All: 1261.856+/-0.125 χ^2/NDF: 896462.1/80

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: -170.053+/-64.466 χ^2/NDF:41.8/23

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: -36.330+/-47.223 χ^2/NDF: 69.0/45

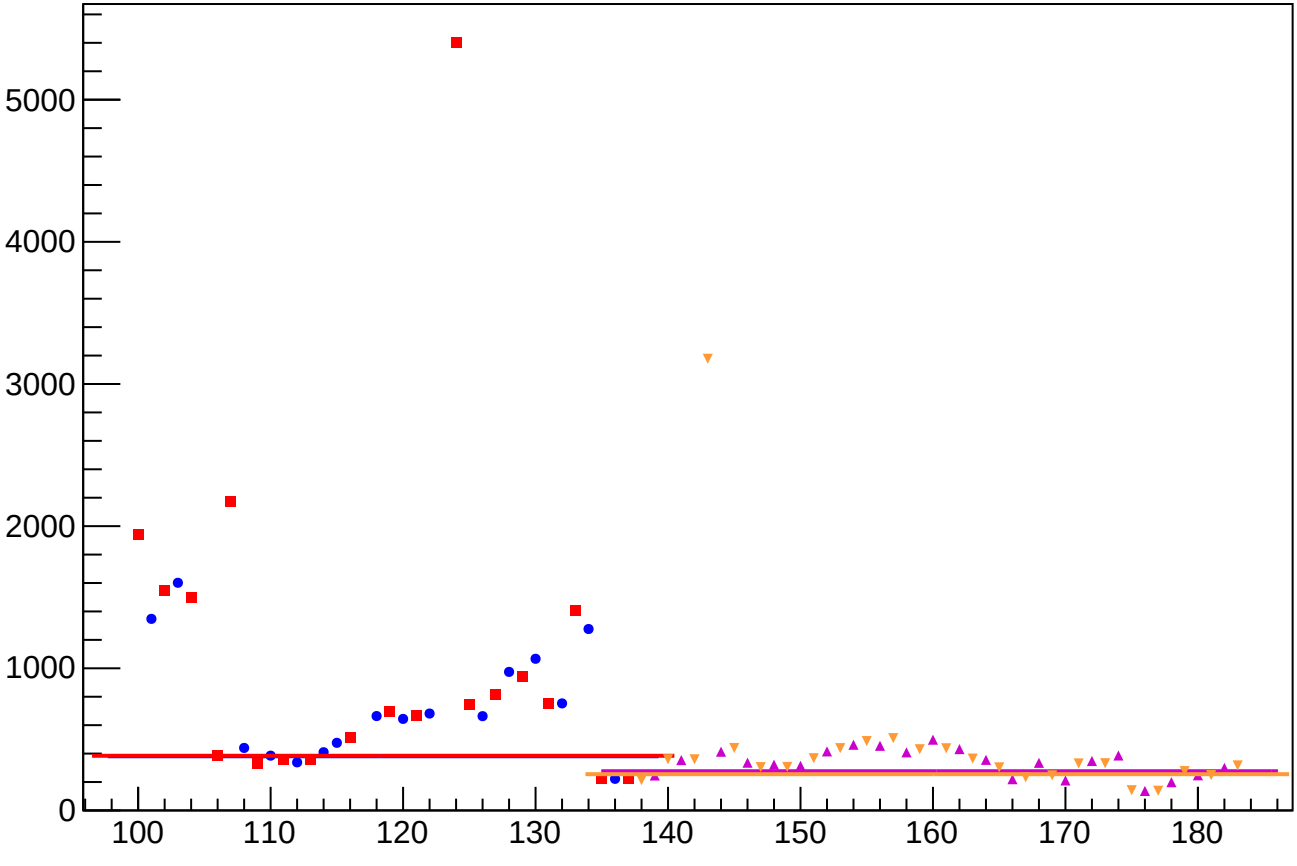
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 50.868+/-64.227 χ^2/NDF:43.0/37

Out: -128.676+/-60.263 χ^2/NDF:60.9/42

All: -44.615+/-43.947 χ^2/NDF: 108.1/80

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: 255.089+/-0.046 χ^2/NDF:6352208.6/23

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 275.870+/-0.049 χ^2/NDF:4022339.7/21

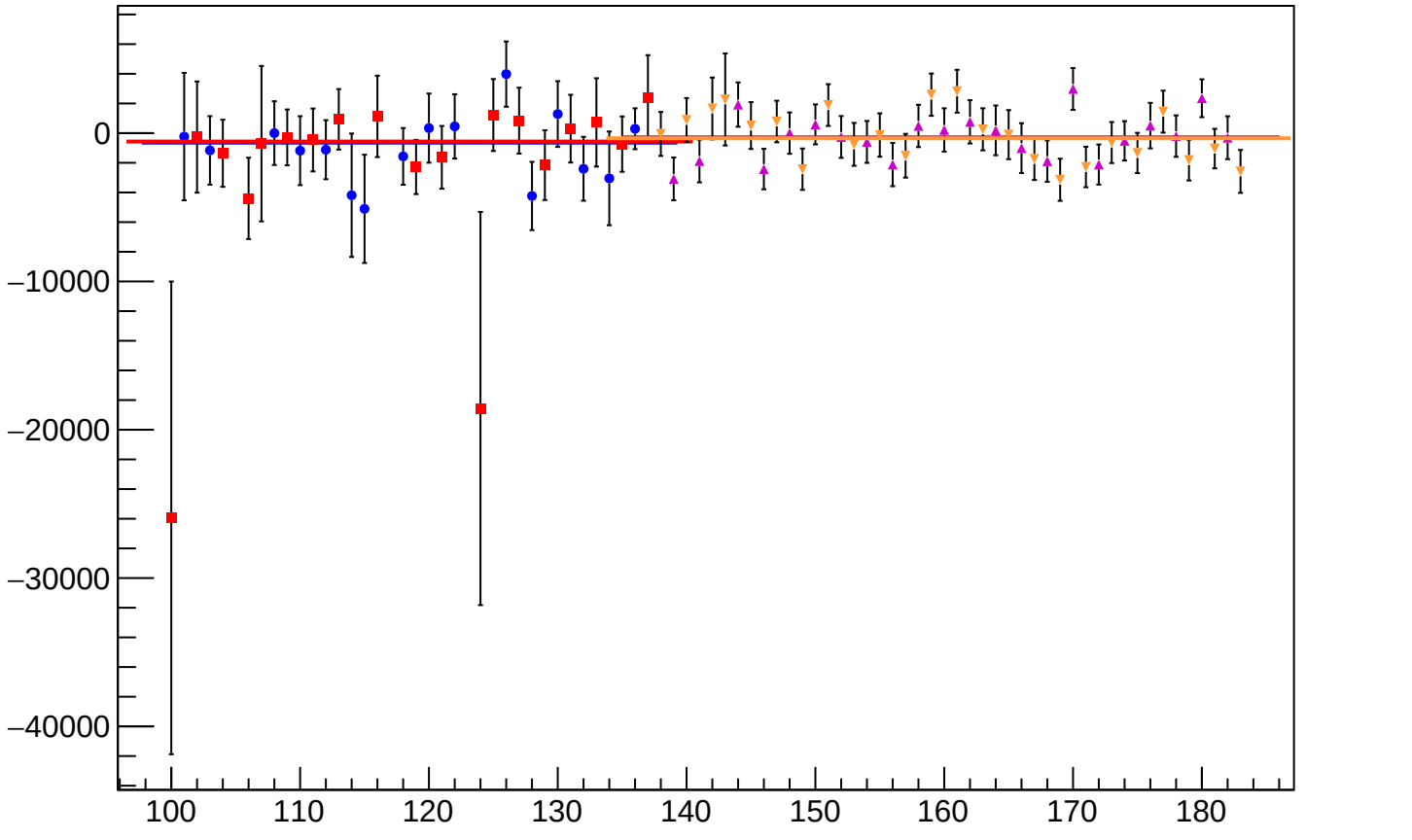
Left: 264.719+/-0.033 χ^2/NDF: 10470858.4/45

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 290.932+/-0.045 χ^2/NDF:9000429.4/37

Out: 271.435+/-0.043 χ^2/NDF:11931521.1/42

All: 280.563+/-0.031 χ^2/NDF: 21029966.6/80



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -347.312+/-300.410 χ^2/NDF:31.0/23

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: -314.965+/-213.828 χ^2/NDF: 57.0/45

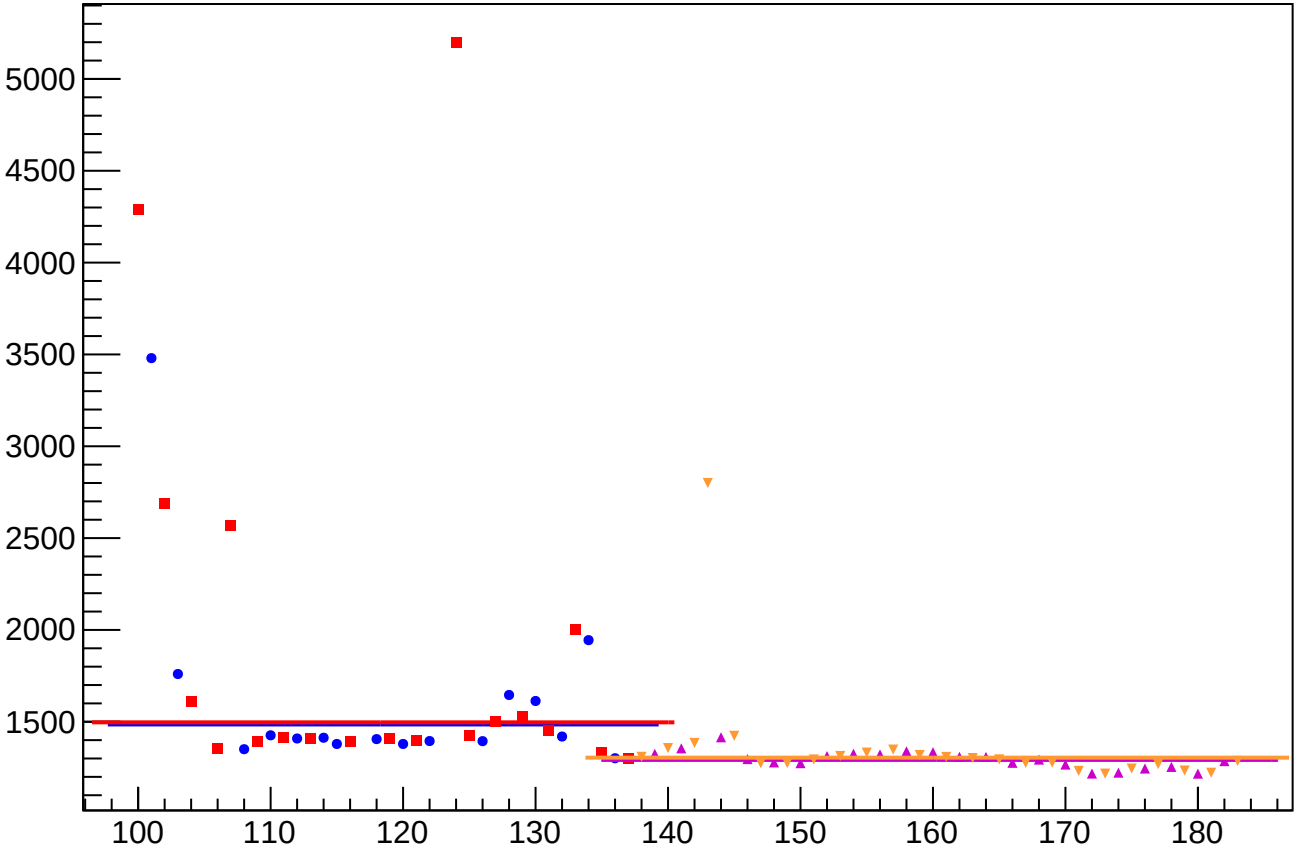
Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -362.678+/-267.933 χ^2/NDF:38.8/37

Out: -395.550+/-265.430 χ^2/NDF:42.4/42

All: -379.268+/-188.566 χ^2/NDF: 81.2/80

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: 1304.571+/-0.212 χ^2/NDF:519340.0/23

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.298+/-0.215 χ^2/NDF:48302.9/21

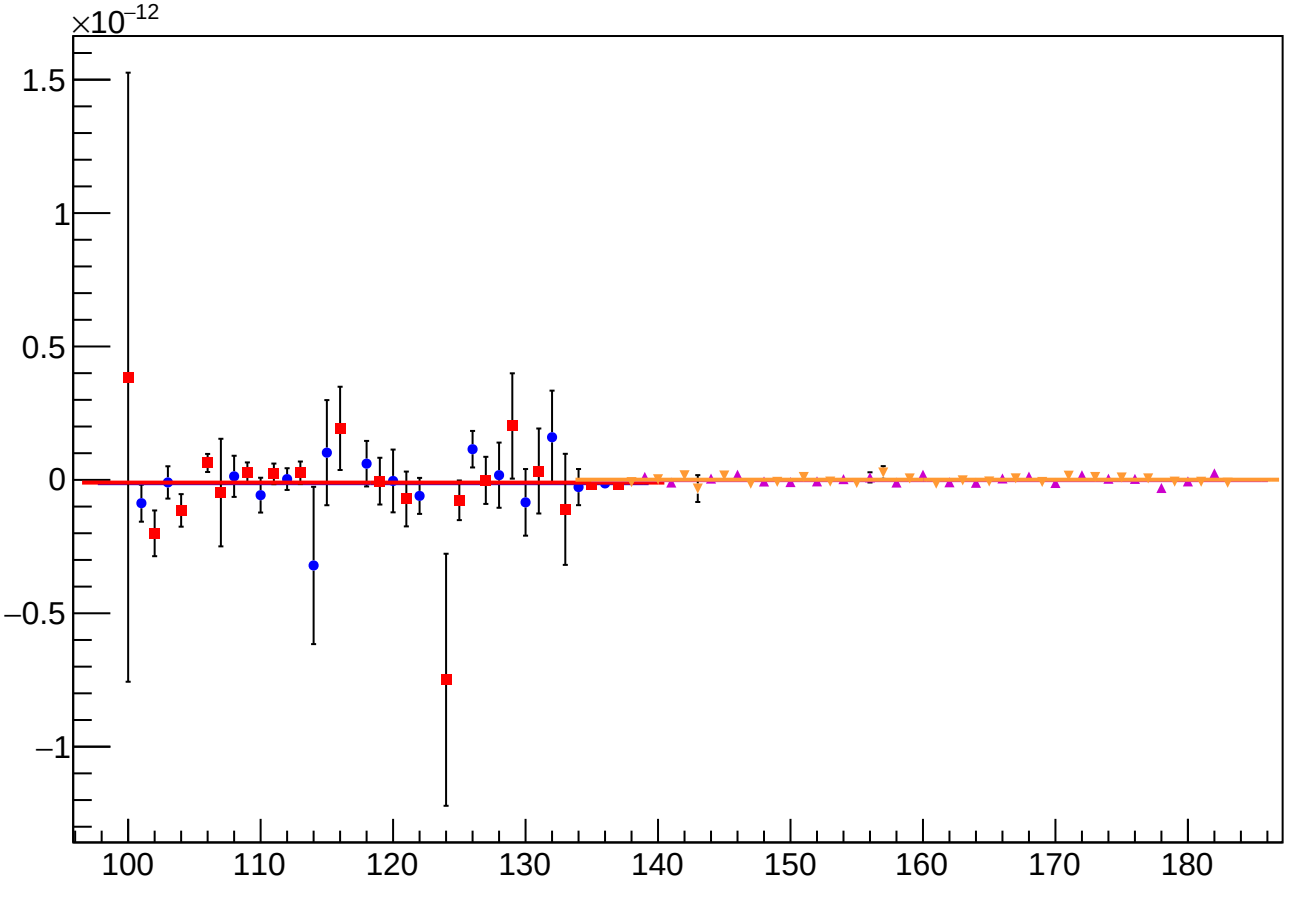
Left: 1298.516+/-0.151 χ^2/NDF: 569289.8/45

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1335.814+/-0.189 χ^2/NDF:814087.1/37

Out: 1346.746+/-0.188 χ^2/NDF:1322361.3/42

All: 1341.331+/-0.133 χ^2/NDF: 2138128.5/80



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/23

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: 53.4/45

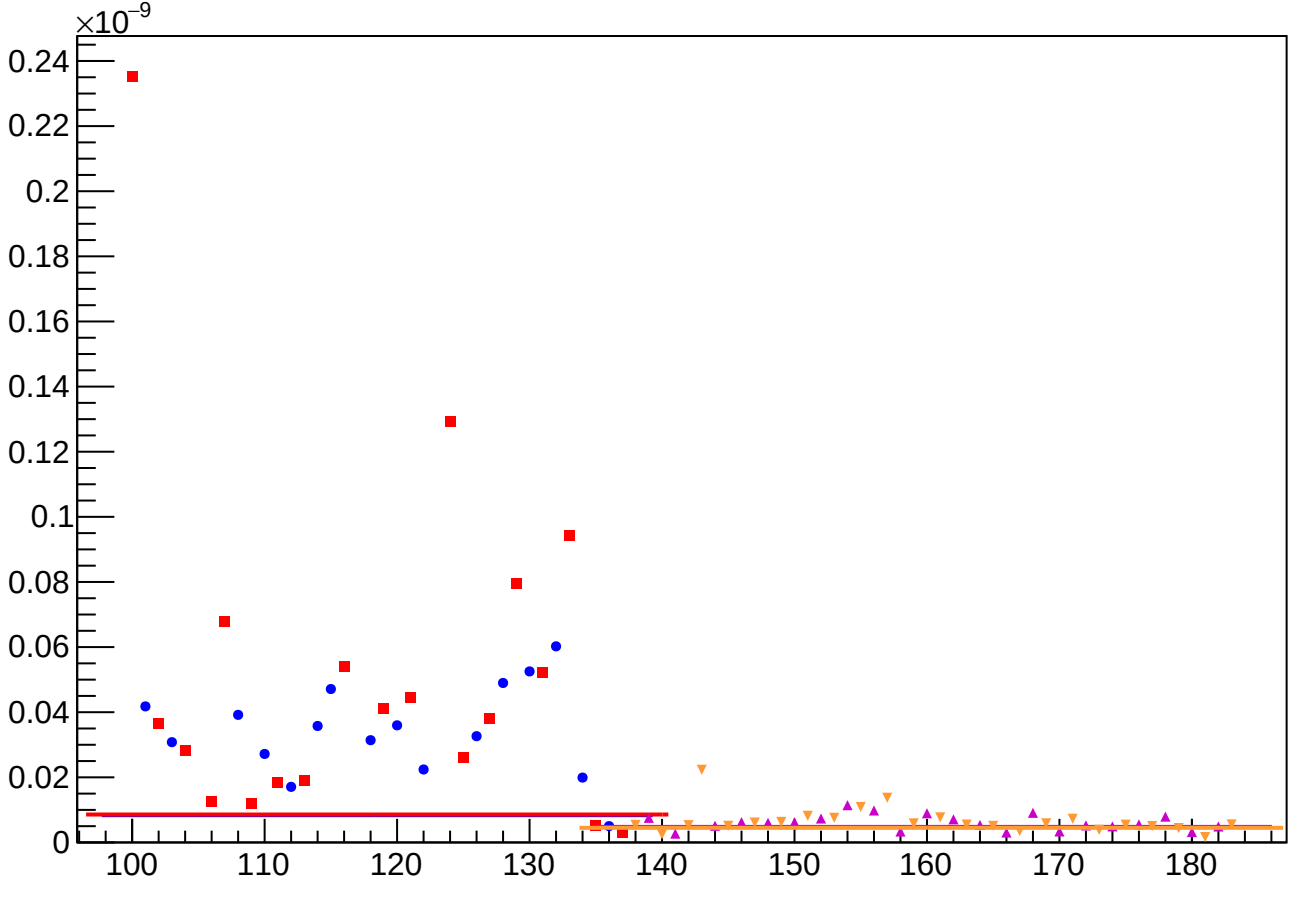
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:41.1/37

Out: 0.000+/-0.000 χ^2/NDF:47.6/42

All: -0.000+/-0.000 χ^2/NDF: 89.2/80

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:2705686.3/23

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: 4611583.8/45

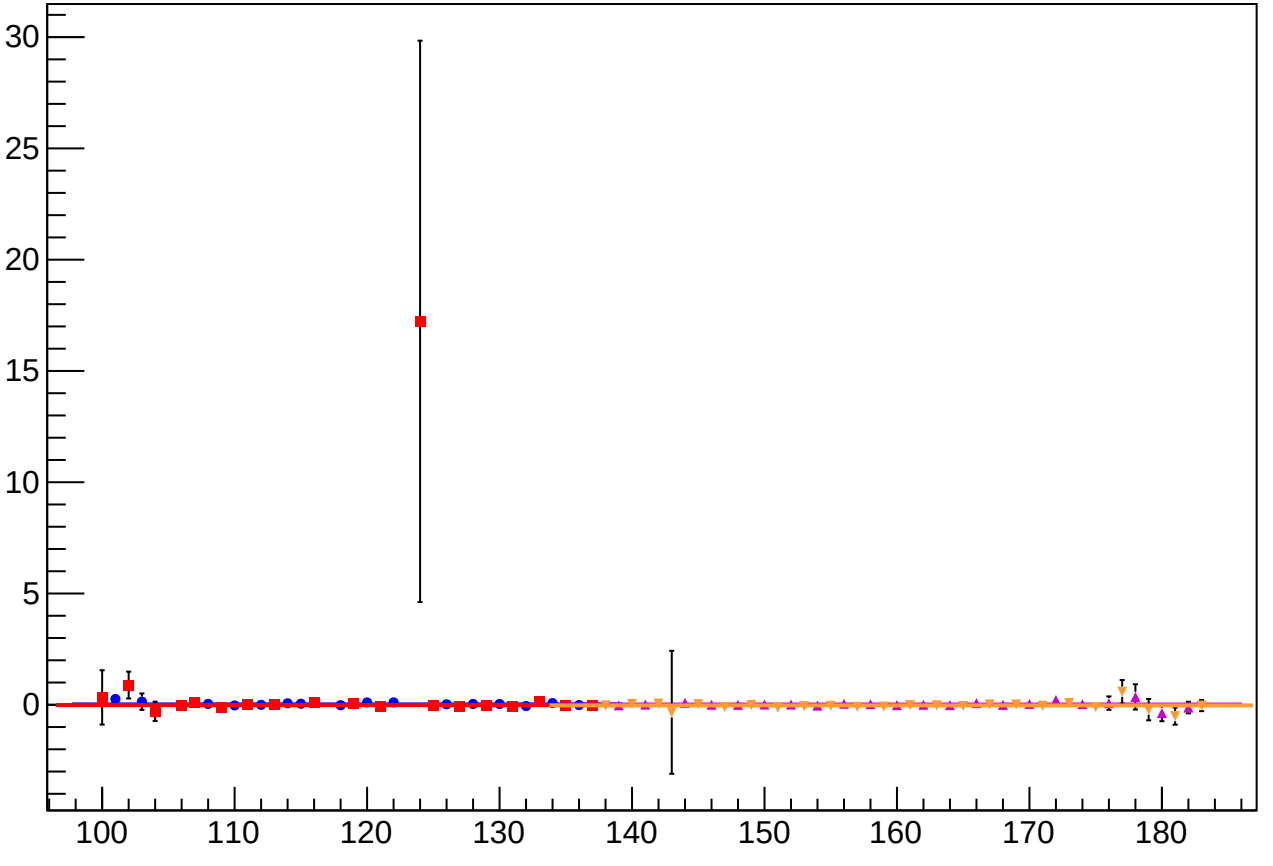
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5381835.3/37

Out: 0.000+/-0.000 χ^2/NDF:6545879.3/42

All: 0.000+/-0.000 χ^2/NDF: 11956260.2/80

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:26.9/23

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: 47.6/45

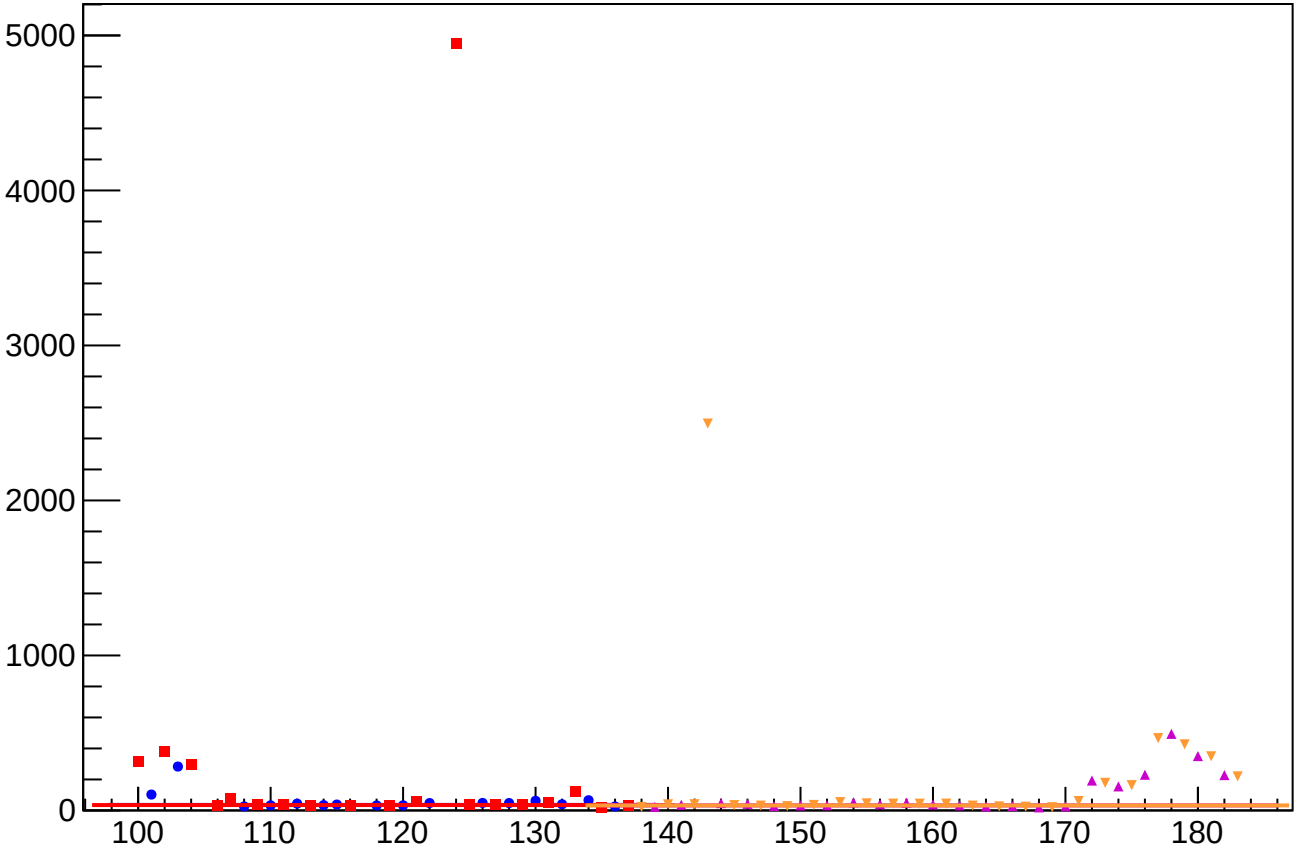
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 77.6/80

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: 32.444+/-0.007 χ^2/NDF:10530020.3/23

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: 32.536+/-0.005 χ^2/NDF: 19079953.0/45

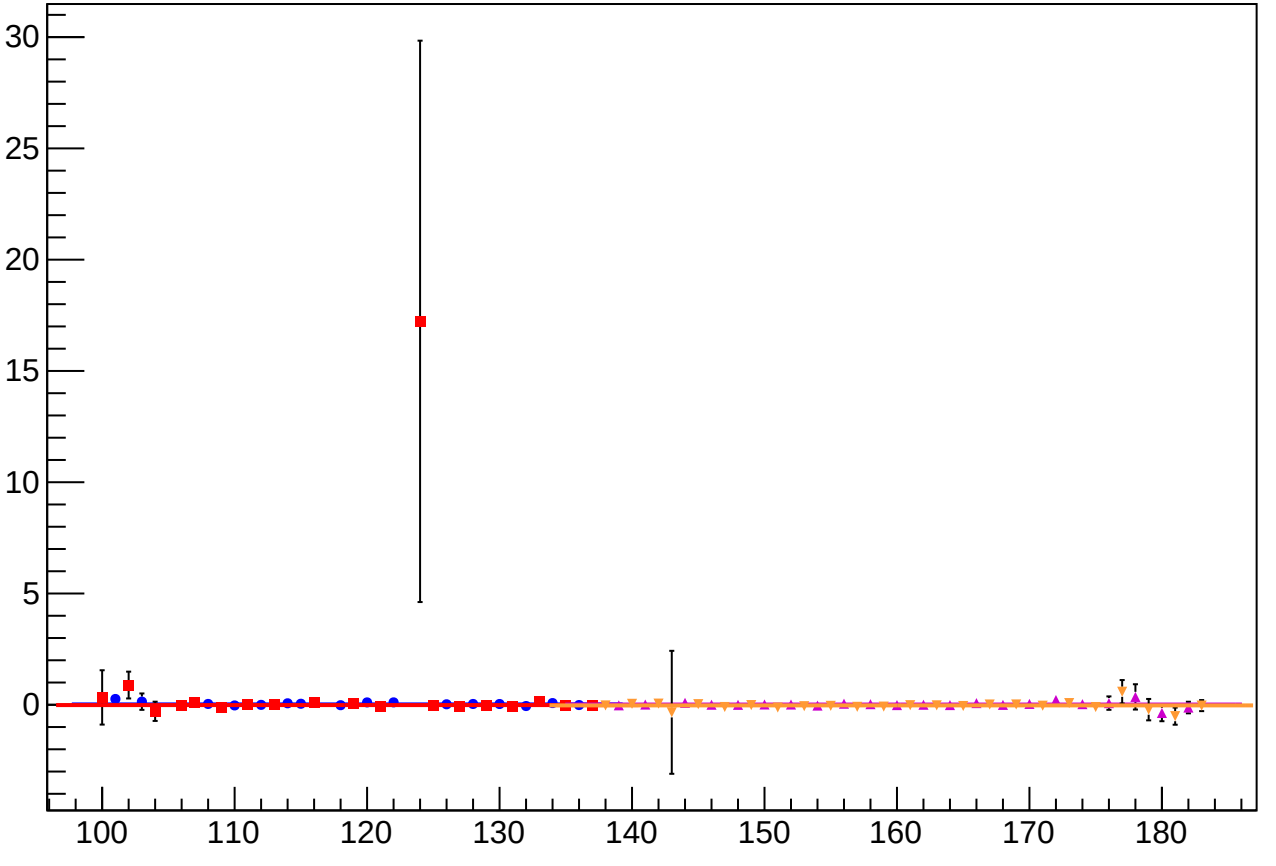
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.483+/-0.006 χ^2/NDF:10873313.9/37

Out: 33.081+/-0.006 χ^2/NDF:13477252.6/42

All: 33.283+/-0.004 χ^2/NDF: 24353021.5/80

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:26.9/23

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: 47.6/45

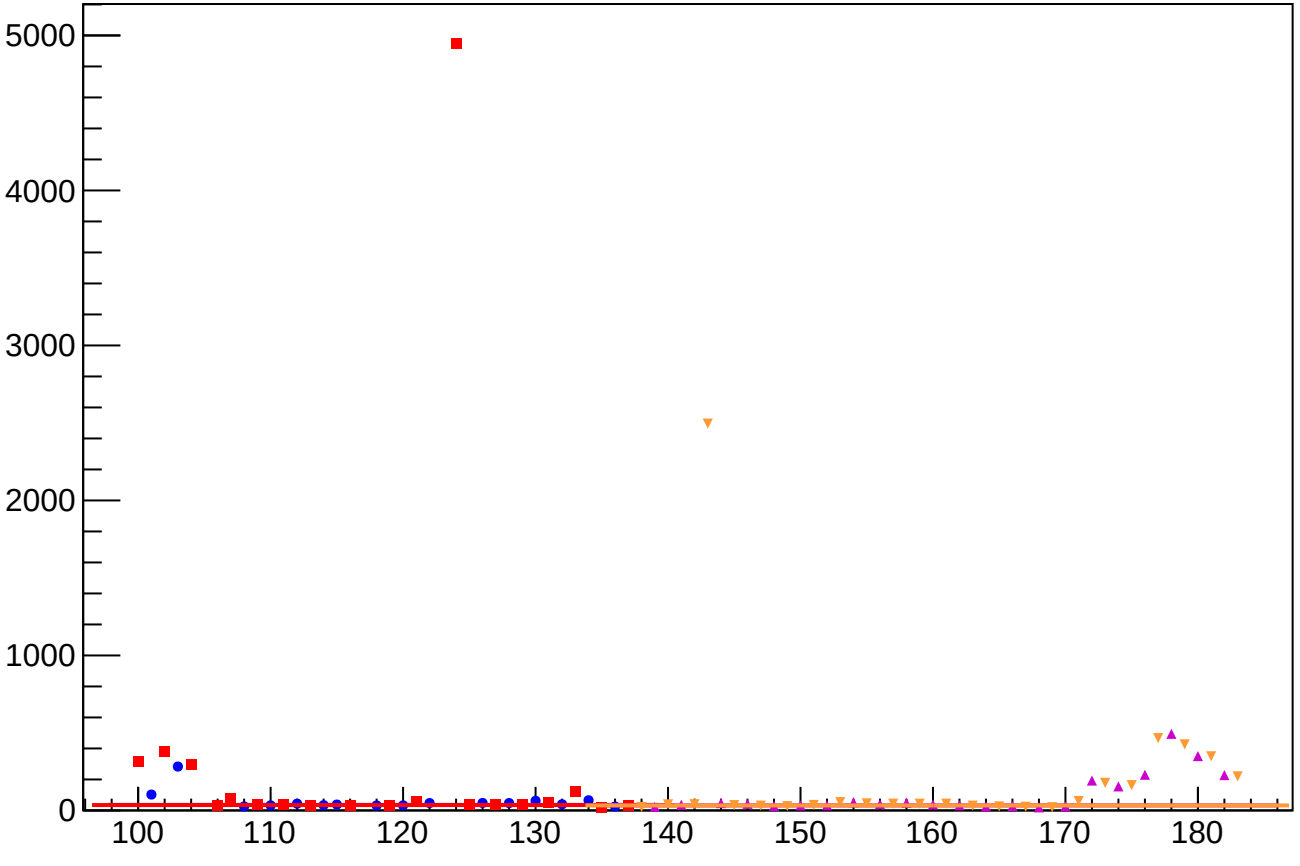
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 77.6/80

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: 32.444+/-0.007 χ^2/NDF:10530020.3/23

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: 32.536+/-0.005 χ^2/NDF: 19079953.0/45

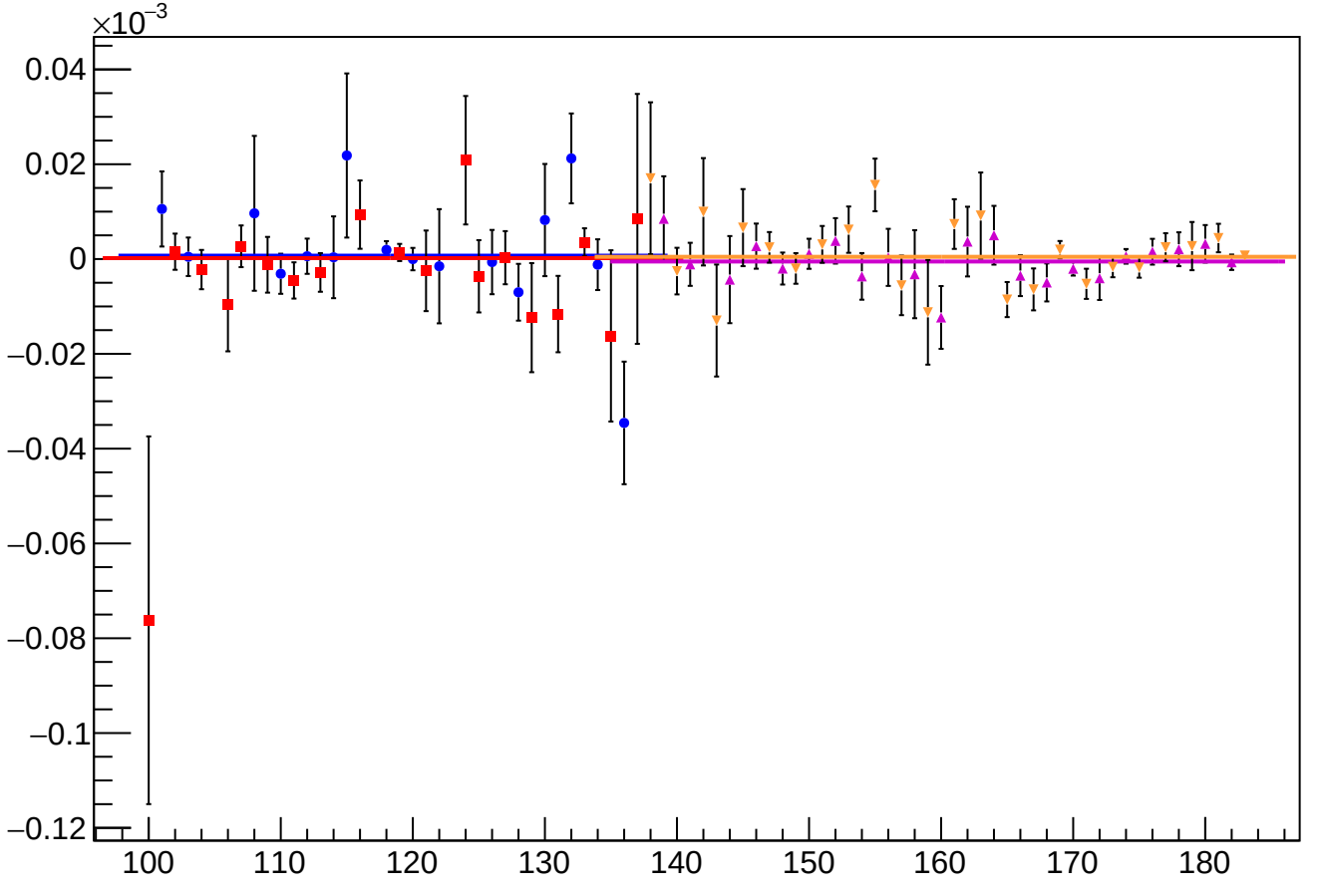
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.483+/-0.006 χ^2/NDF:10873313.9/37

Out: 33.081+/-0.006 χ^2/NDF:13477252.6/42

All: 33.283+/-0.004 χ^2/NDF: 24353021.5/80

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/23

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: 50.6/45

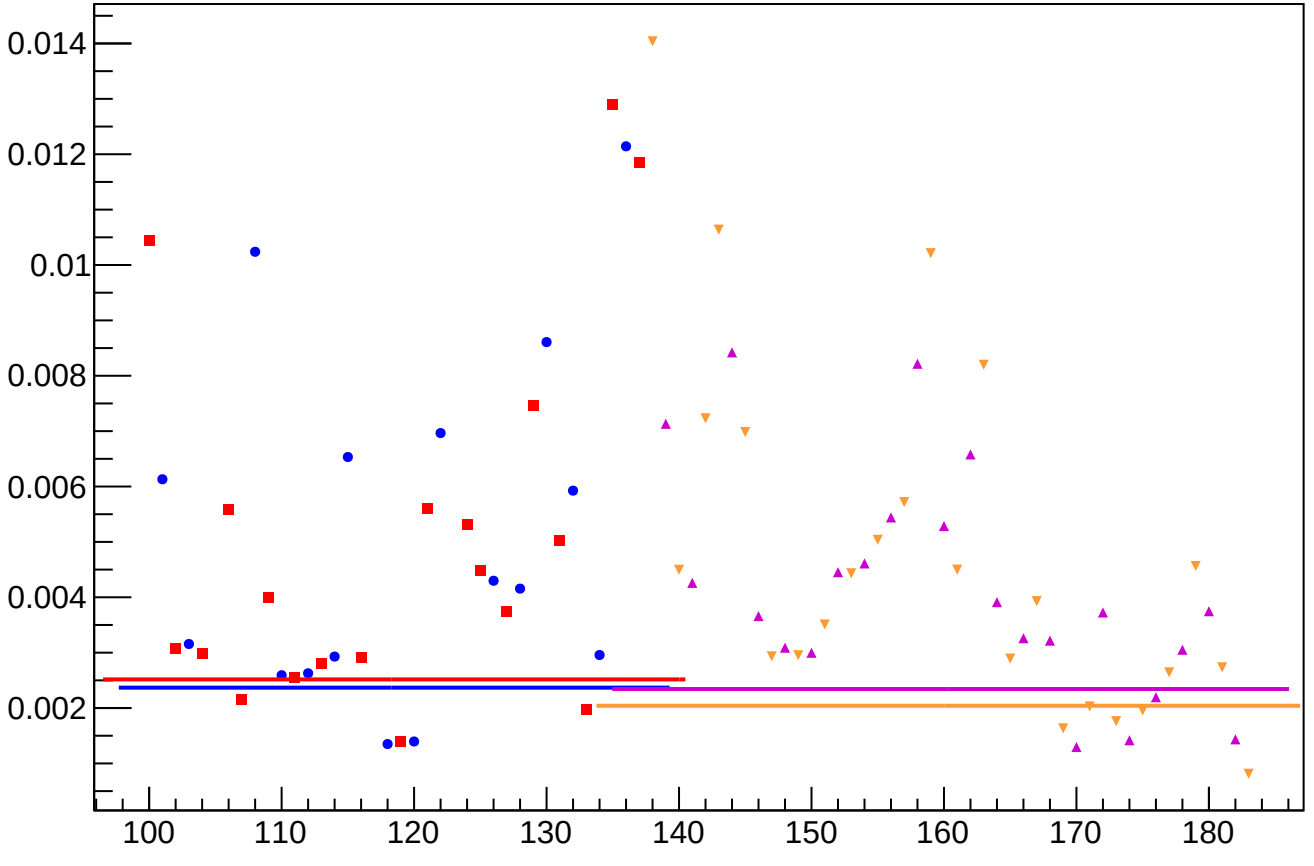
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:33.6/37

Out: 0.000+/-0.000 χ^2/NDF:53.8/42

All: 0.000+/-0.000 χ^2/NDF: 88.1/80

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: 0.002+/-0.000 χ^2/NDF:13164720.2/23

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: 0.002+/-0.000 χ^2/NDF: 21954641.2/45

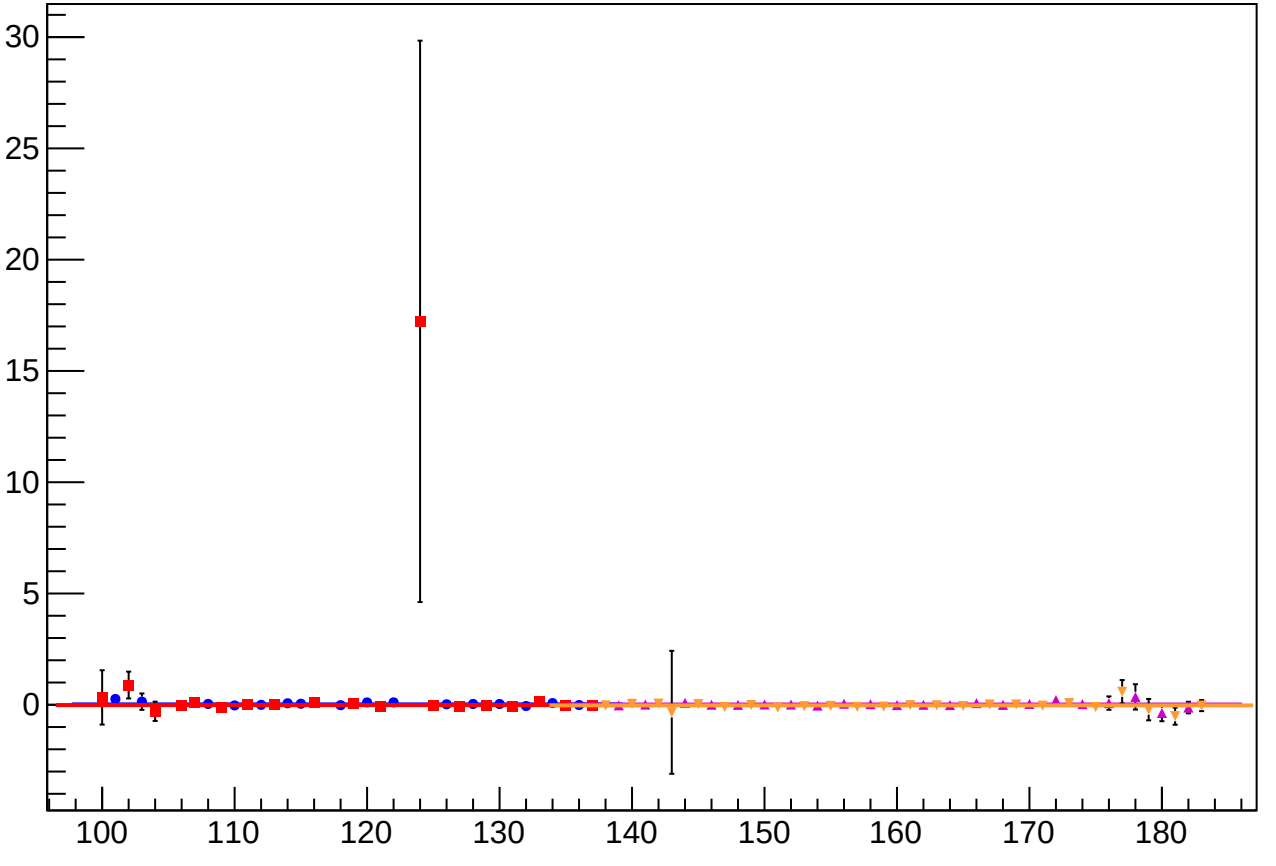
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:13288048.9/37

Out: 0.002+/-0.000 χ^2/NDF:16865294.1/42

All: 0.002+/-0.000 χ^2/NDF: 30277441.2/80

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:26.9/23

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: 47.6/45

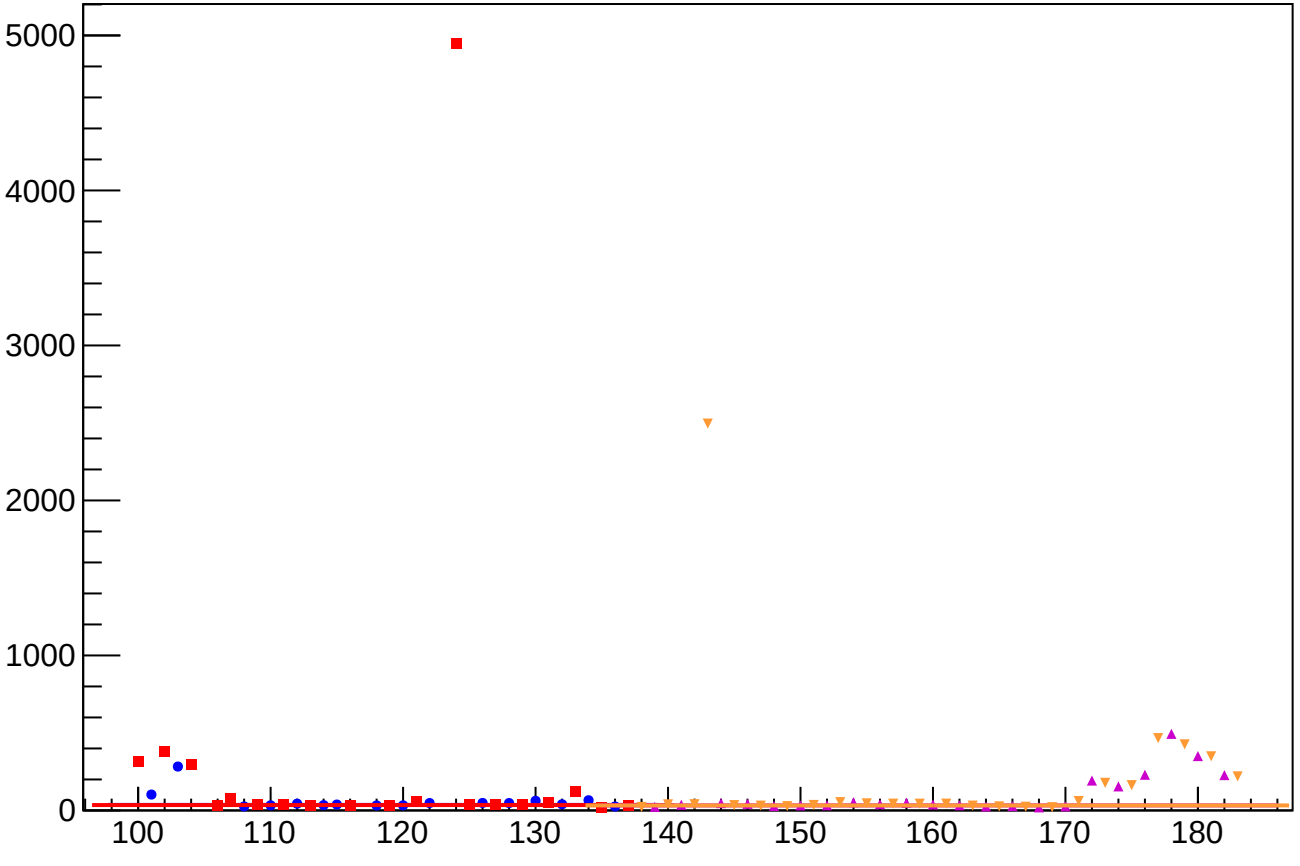
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 77.6/80

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: 32.443+/-0.007 χ^2/NDF:10530277.3/23

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: 32.535+/-0.005 χ^2/NDF: 19080832.3/45

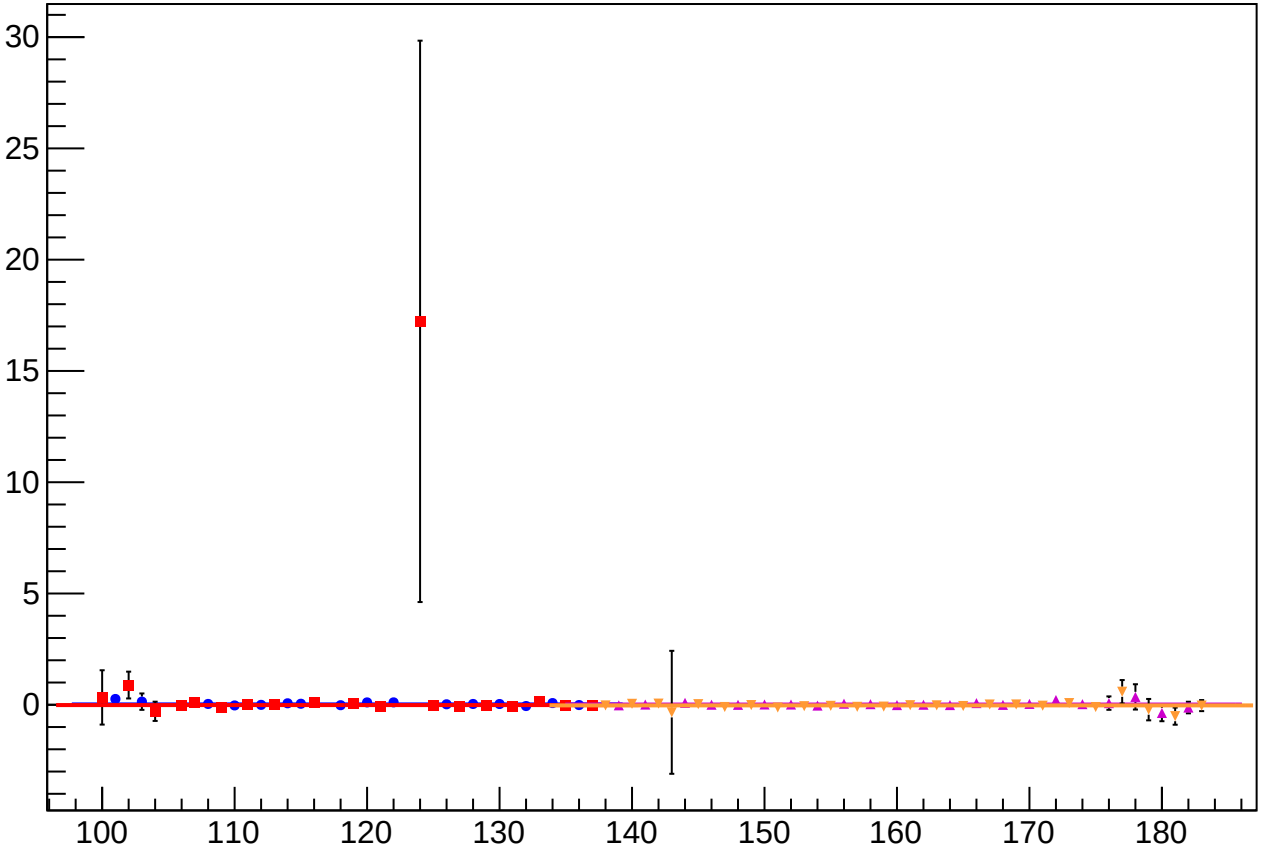
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.482+/-0.006 χ^2/NDF:10873769.6/37

Out: 33.081+/-0.006 χ^2/NDF:13477366.3/42

All: 33.282+/-0.004 χ^2/NDF: 24353582.7/80

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:26.9/23

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: 47.6/45

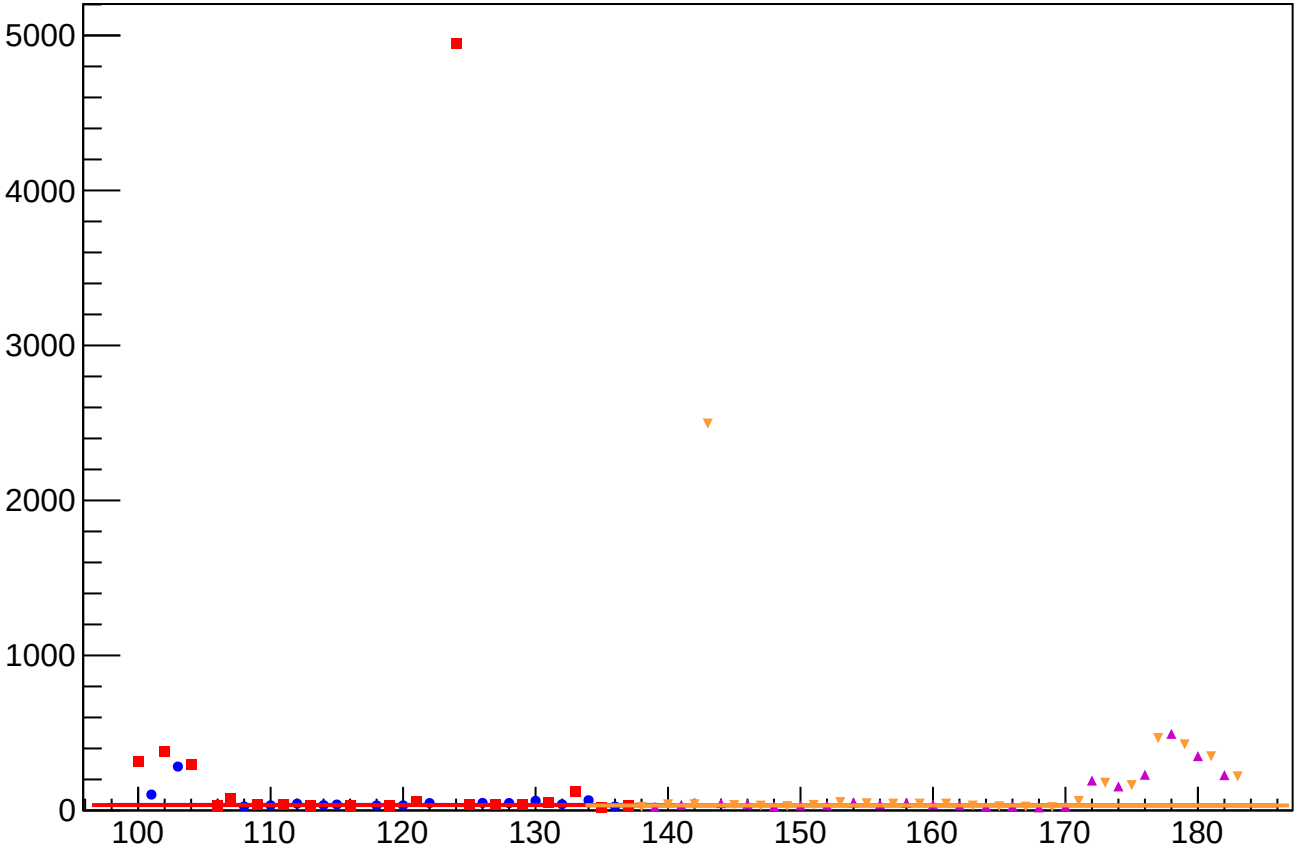
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:24.0/37

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 77.6/80

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: 32.443+/-0.007 χ^2/NDF:10530277.3/23

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.626+/-0.007 χ^2/NDF:8550184.6/21

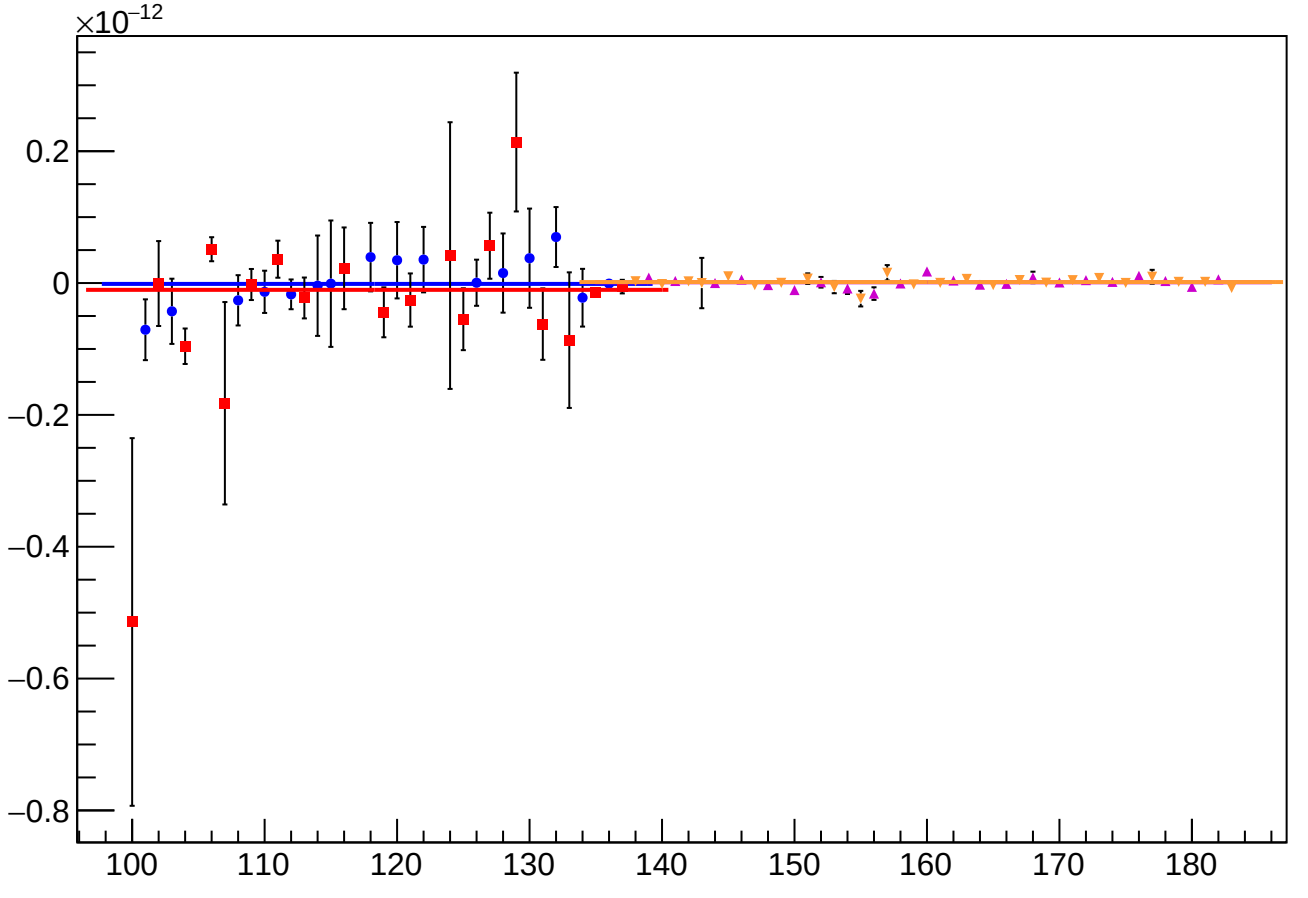
Left: 32.535+/-0.005 χ^2/NDF: 19080832.3/45

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.482+/-0.006 χ^2/NDF:10873769.6/37

Out: 33.081+/-0.006 χ^2/NDF:13477366.3/42

All: 33.282+/-0.004 χ^2/NDF: 24353582.7/80



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:28.5/21

Left: 0.000+/-0.000 χ^2/NDF: 46.5/45

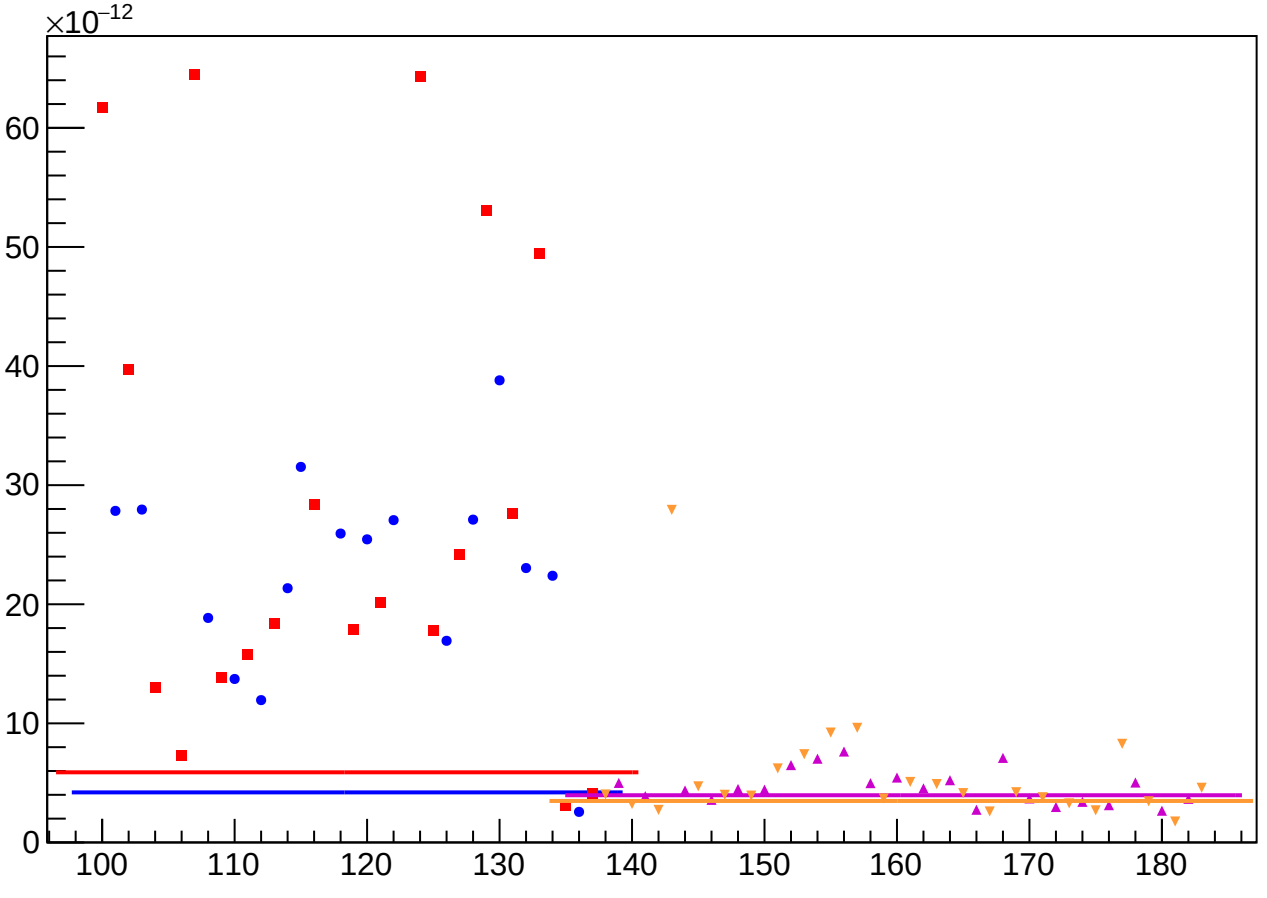
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:37.6/37

Out: 0.000+/-0.000 χ^2/NDF:65.3/42

All: 0.000+/-0.000 χ^2/NDF: 102.9/80

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:4639597.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2064196.8/21

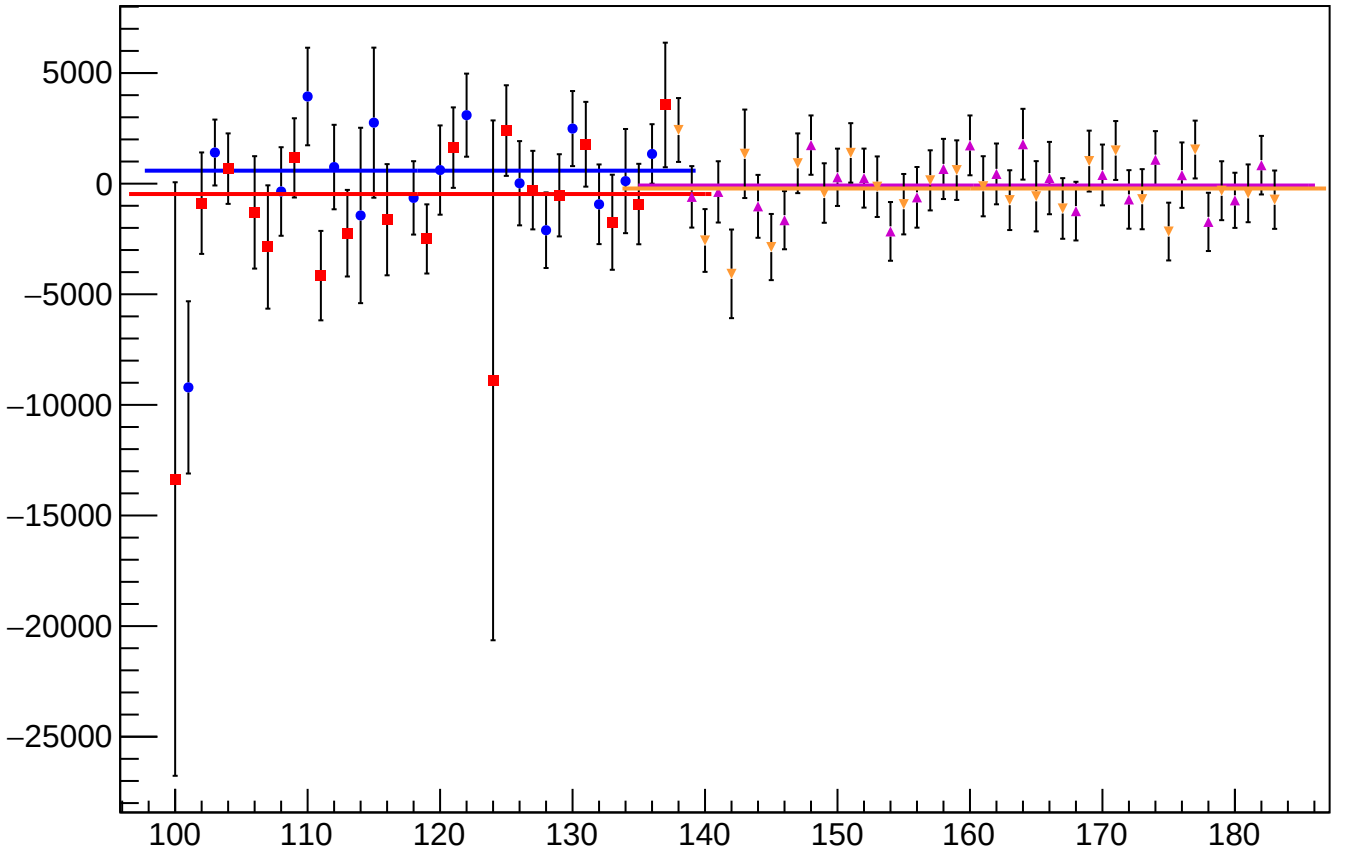
Left: 0.000+/-0.000 χ^2/NDF: 6892286.2/45

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:10124214.3/42

All: 0.000+/-0.000 χ^2/NDF: 17393592.5/80



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -219.245+/-285.239 χ^2/NDF:23.9/23

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -84.065+/-290.828 χ^2/NDF:14.6/21

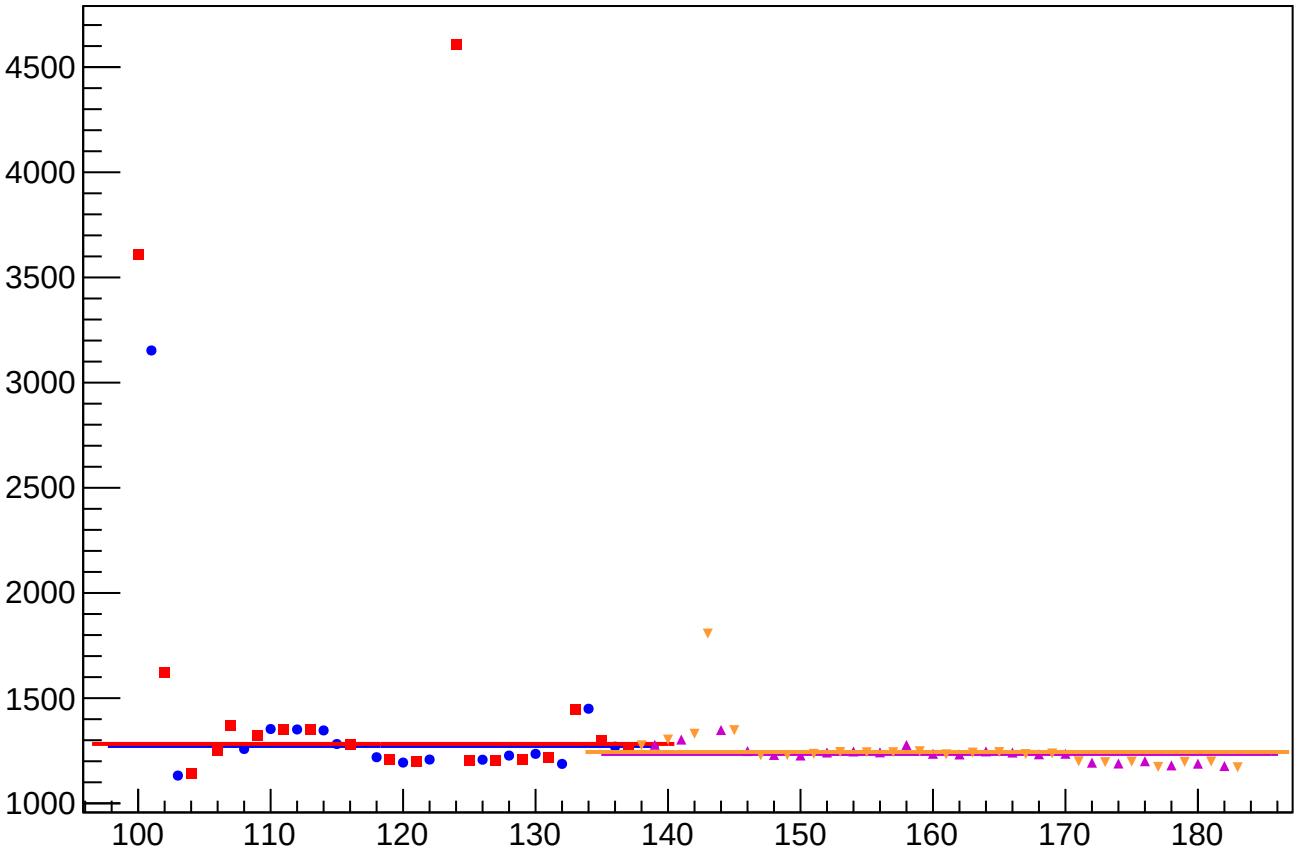
Left: -152.967+/-203.642 χ^2/NDF: 38.7/45

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 94.787+/-249.071 χ^2/NDF:33.1/37

Out: -284.324+/-245.279 χ^2/NDF:41.0/42

All: -97.676+/-174.764 χ^2/NDF: 75.3/80



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1243.996+/-0.202 χ^2/NDF:201089.9/23

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

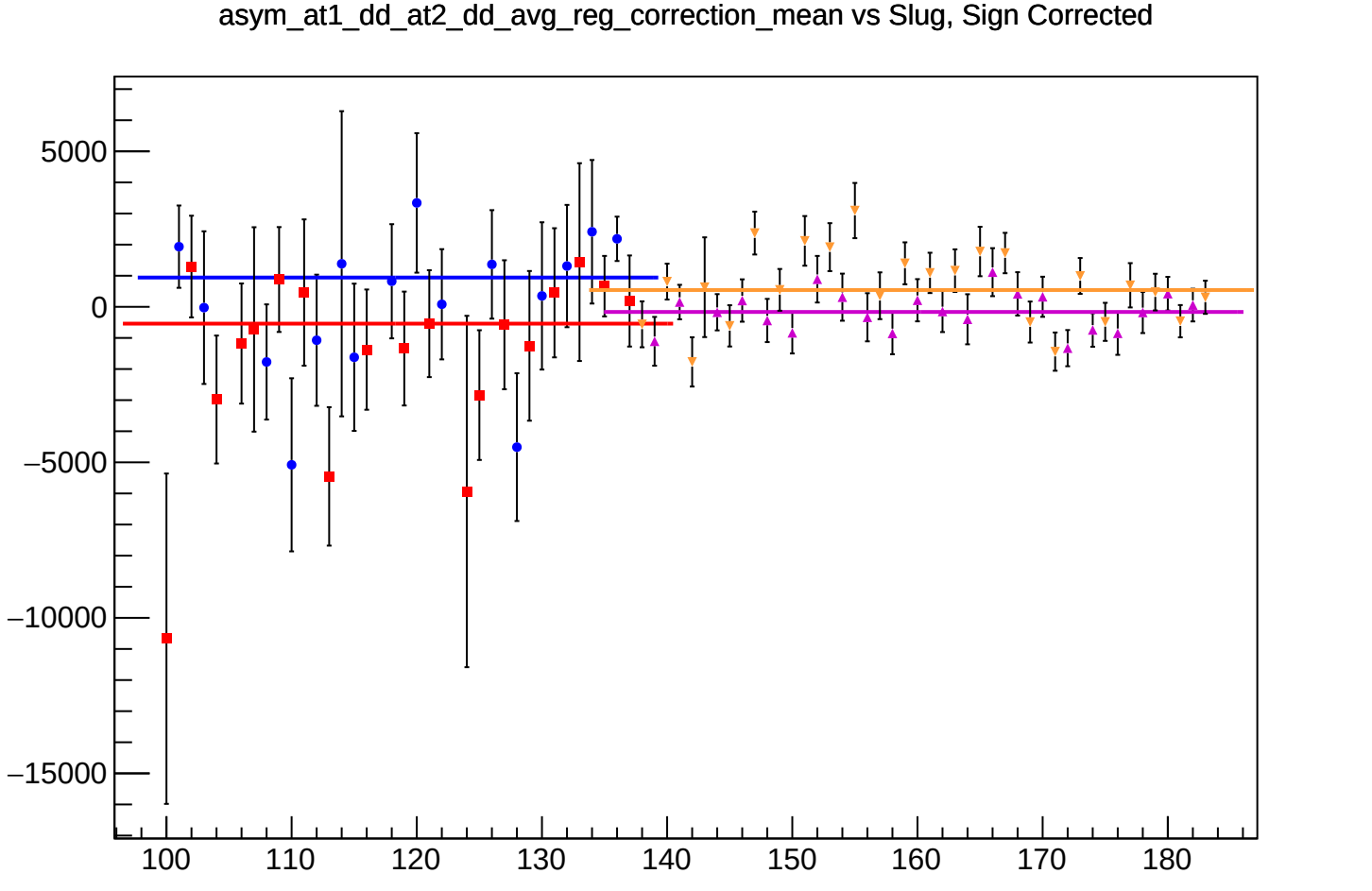
Left: 1239.488+/-0.144 χ^2/NDF: 239936.1/45

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1244.931+/-0.176 χ^2/NDF:566228.1/37

Out: 1253.993+/-0.173 χ^2/NDF:532598.0/42

All: 1249.531+/-0.124 χ^2/NDF: 1100170.4/80



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 540.319+/-137.250 χ^2/NDF:65.7/23

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: 192.327+/-97.700 χ^2/NDF: 97.3/45

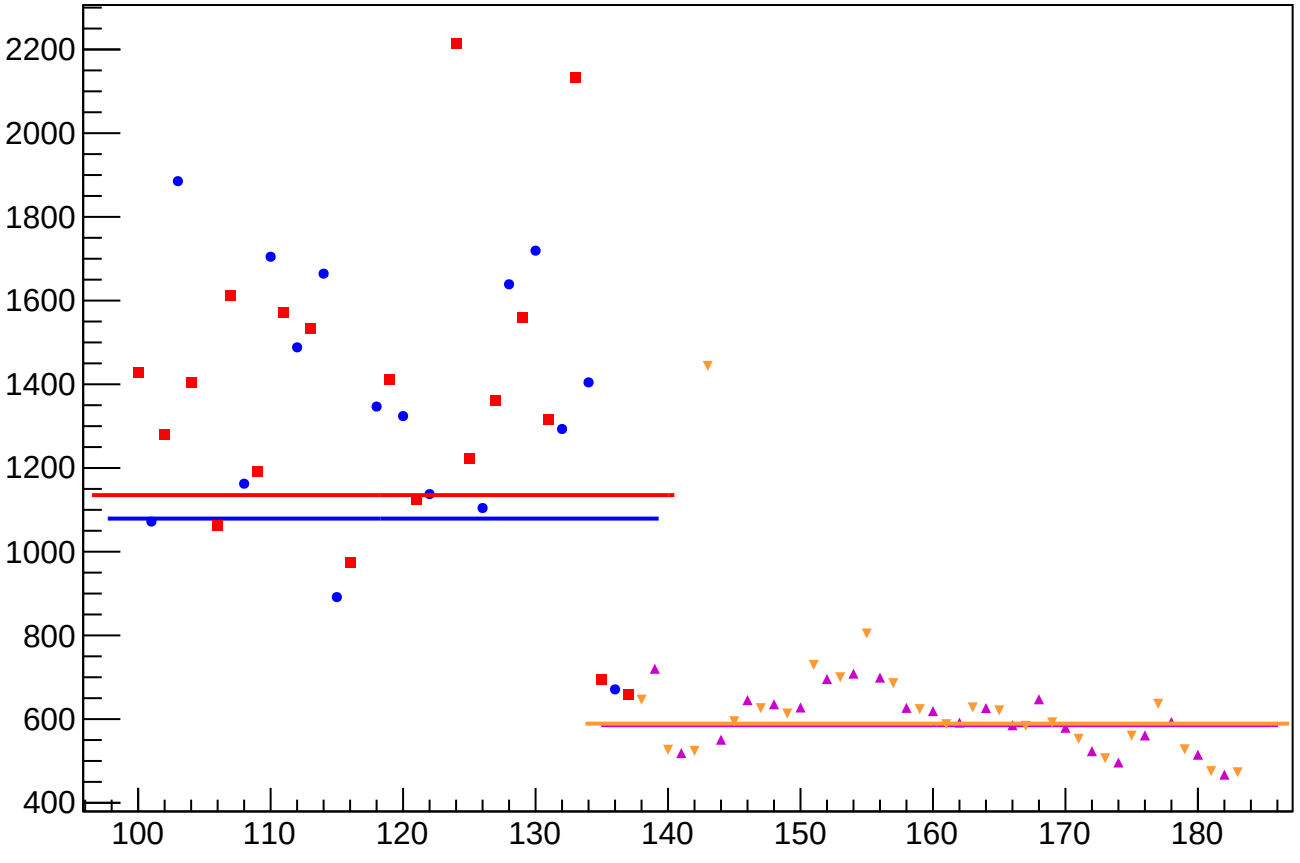
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -58.407+/-132.229 χ^2/NDF:44.6/37

Out: 444.430+/-131.021 χ^2/NDF:88.3/42

All: 195.318+/-93.070 χ^2/NDF: 140.3/80

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: 589.206+/-0.097 χ^2/NDF:1168729.8/23

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 585.445+/-0.098 χ^2/NDF:517567.4/21

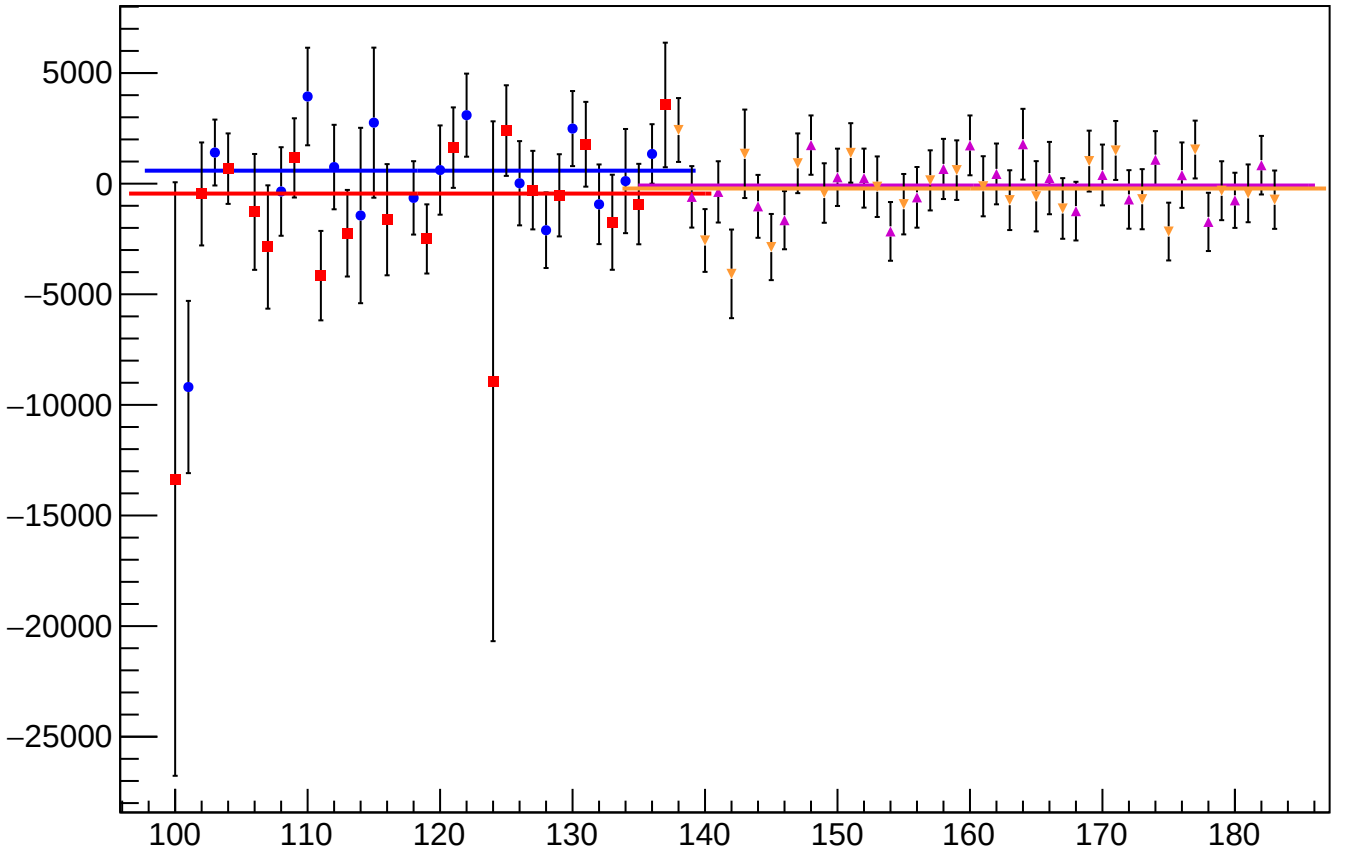
Left: 587.351+/-0.069 χ^2/NDF: 1687038.3/45

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 633.045+/-0.093 χ^2/NDF:4428603.7/37

Out: 637.637+/-0.093 χ^2/NDF:5269072.0/42

All: 635.362+/-0.066 χ^2/NDF: 9698893.0/80



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -219.287+/-285.239 χ^2/NDF:23.9/23

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -84.117+/-290.828 χ^2/NDF:14.6/21

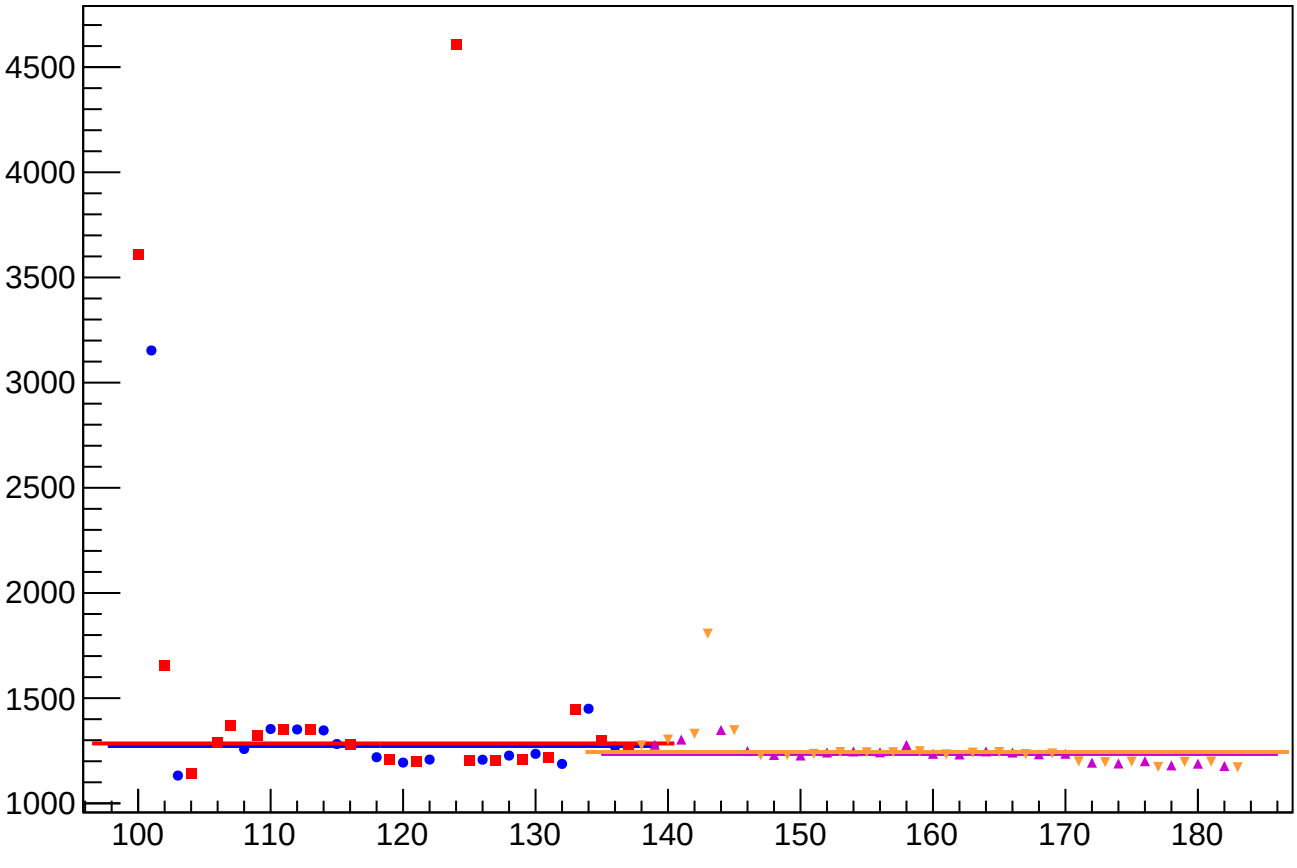
Left: -153.013+/-203.642 χ^2/NDF: 38.7/45

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 94.834+/-249.071 χ^2/NDF:33.1/37

Out: -278.837+/-245.388 χ^2/NDF:40.9/42

All: -94.785+/-174.803 χ^2/NDF: 75.1/80



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1243.996+/-0.202 χ^2/NDF:201089.9/23

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

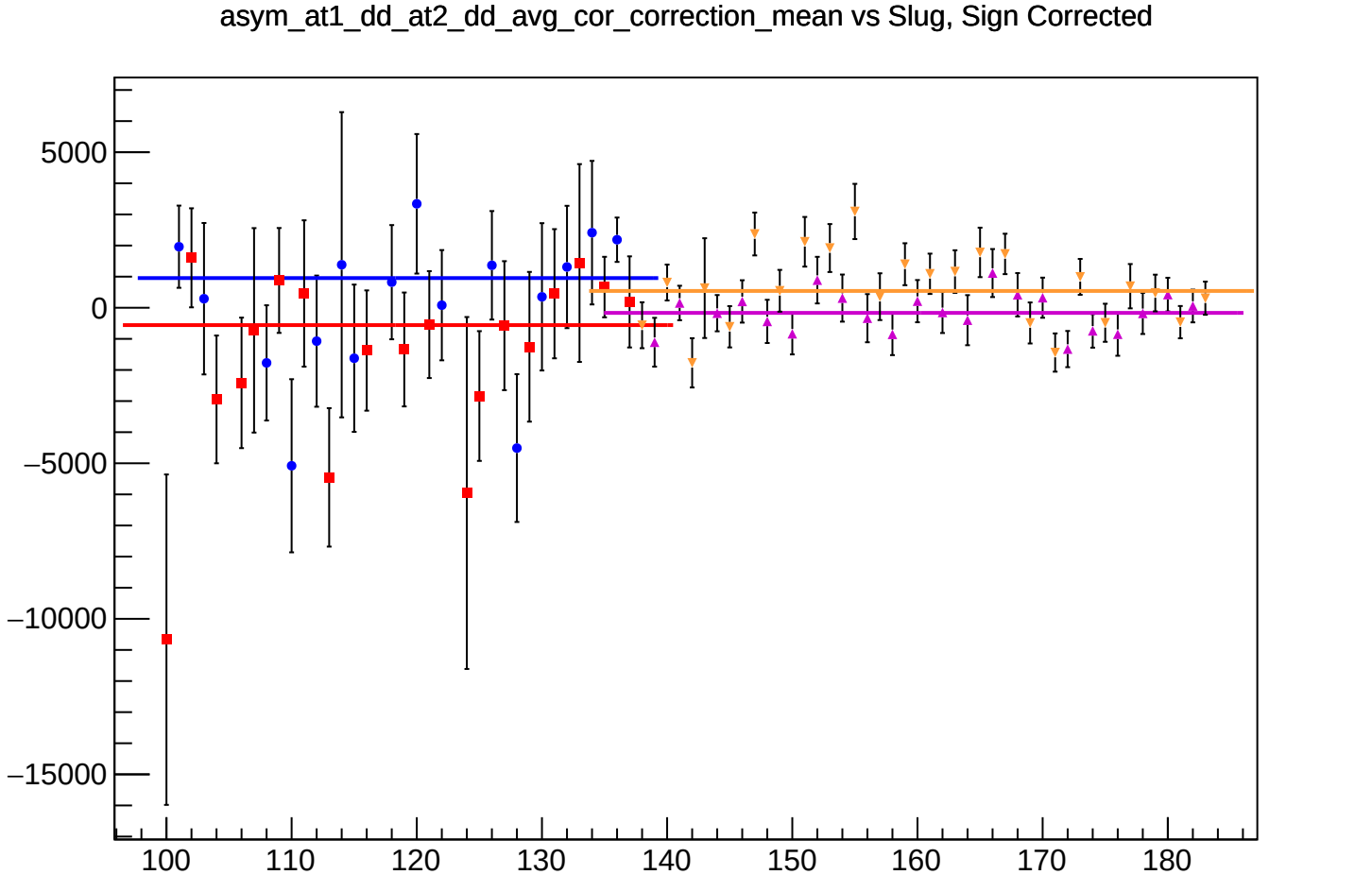
Left: 1239.488+/-0.144 χ^2/NDF: 239936.1/45

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1244.931+/-0.176 χ^2/NDF:566229.4/37

Out: 1254.563+/-0.174 χ^2/NDF:540386.5/42

All: 1249.819+/-0.124 χ^2/NDF: 1108134.0/80



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 540.316+/-137.251 χ^2/NDF:65.7/23

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: 192.322+/-97.700 χ^2/NDF: 97.3/45

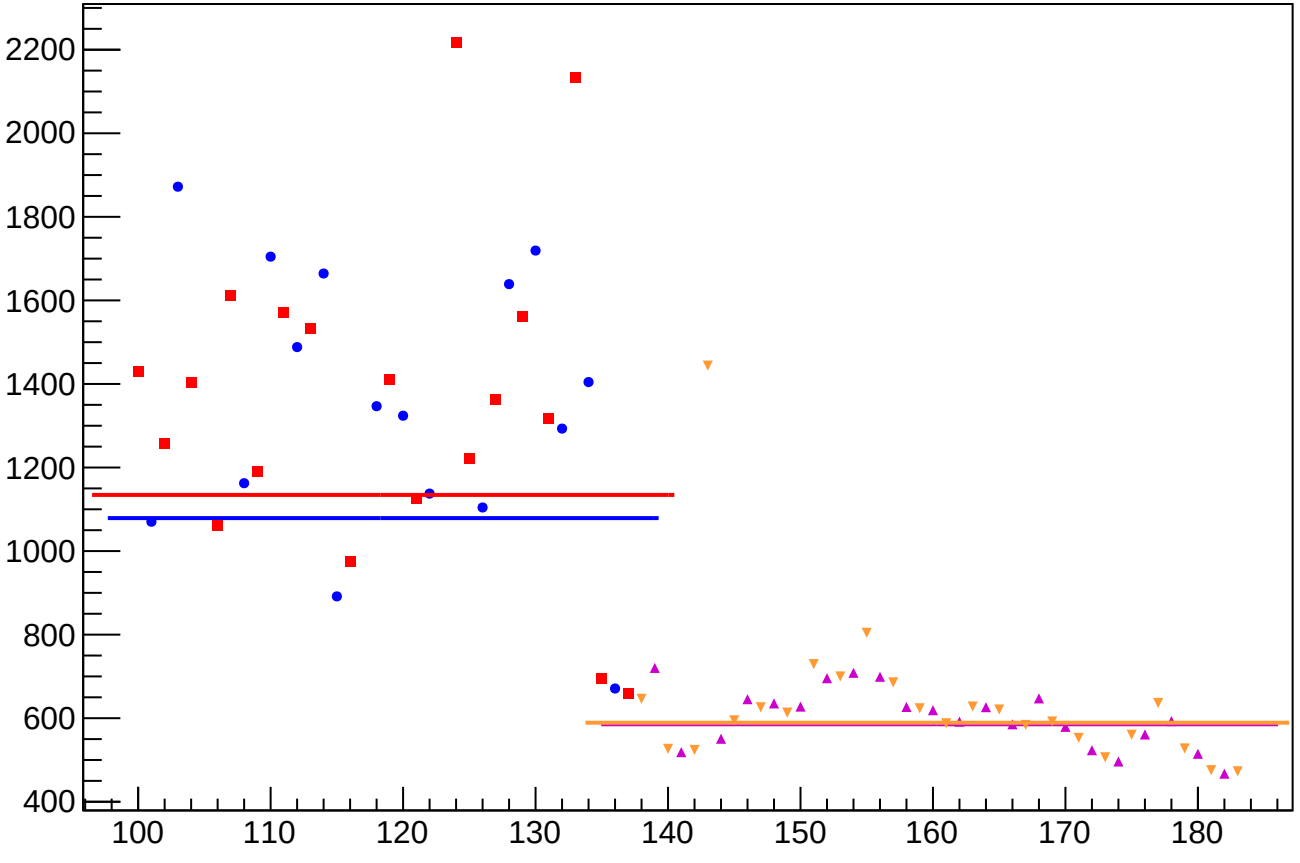
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -57.131+/-132.223 χ^2/NDF:44.7/37

Out: 443.234+/-131.044 χ^2/NDF:89.7/42

All: 195.291+/-93.076 χ^2/NDF: 141.7/80

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: 589.211+/-0.097 χ^2/NDF:1168627.5/23

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.442+/-0.098 χ^2/NDF:517584.9/21

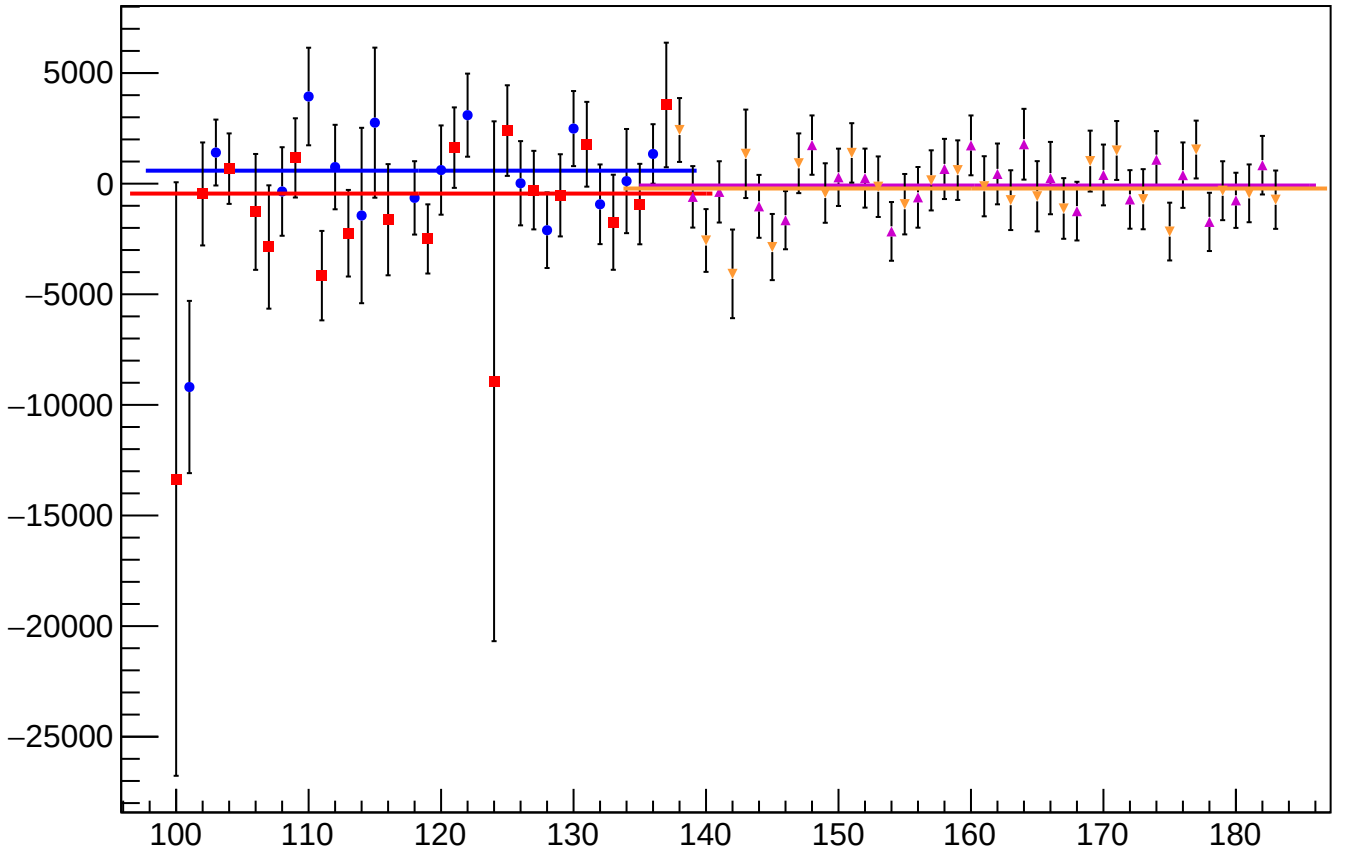
Left: 587.352+/-0.069 χ^2/NDF: 1686956.5/45

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 633.059+/-0.093 χ^2/NDF:4425108.5/37

Out: 637.407+/-0.093 χ^2/NDF:5247329.7/42

All: 635.252+/-0.066 χ^2/NDF: 9673529.0/80



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -219.287+/-285.239 χ^2/NDF:23.9/23

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -84.117+/-290.828 χ^2/NDF:14.6/21

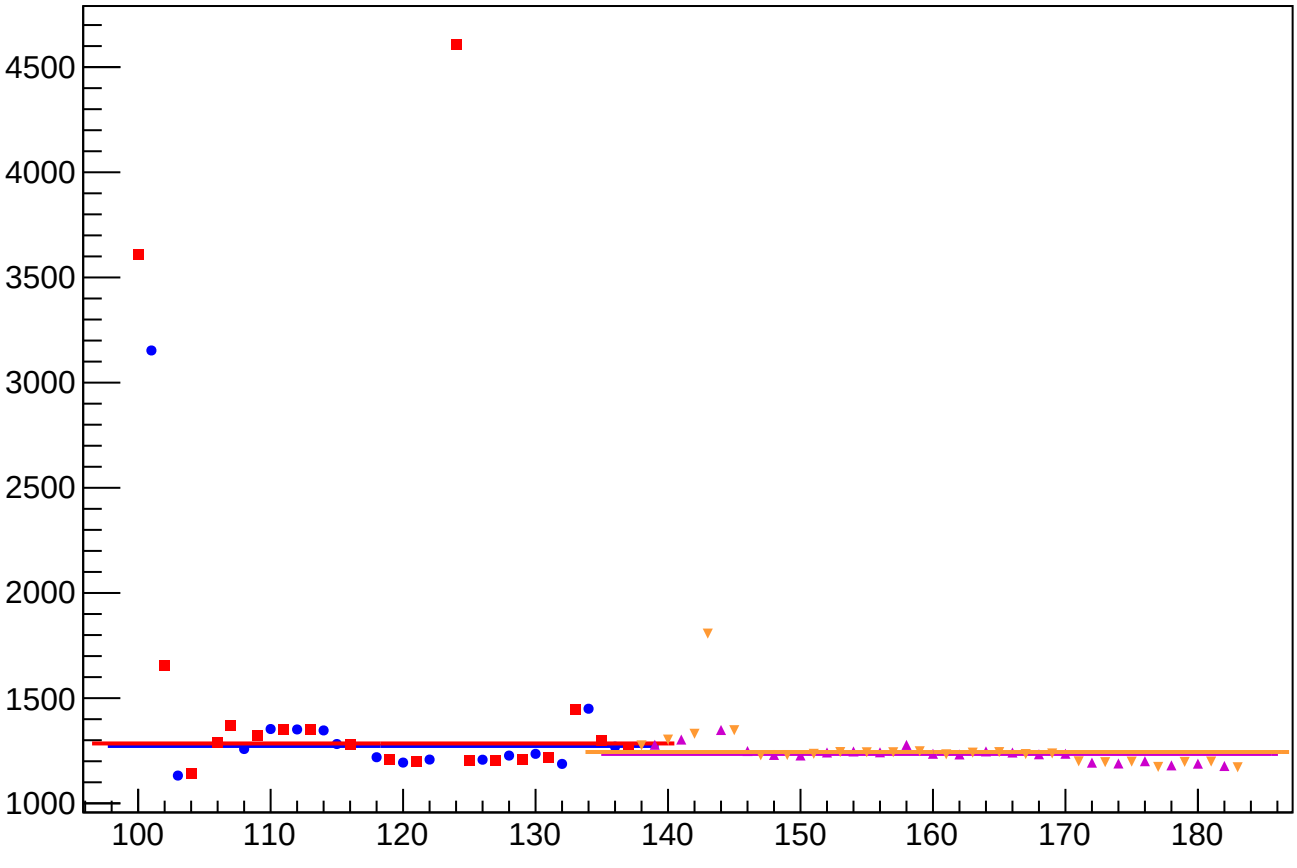
Left: -153.013+/-203.642 χ^2/NDF: 38.7/45

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 94.834+/-249.071 χ^2/NDF:33.1/37

Out: -278.837+/-245.388 χ^2/NDF:40.9/42

All: -94.785+/-174.803 χ^2/NDF: 75.1/80



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1243.996+/-0.202 χ^2/NDF:201089.9/23

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: 1239.488+/-0.144 χ^2/NDF: 239936.1/45

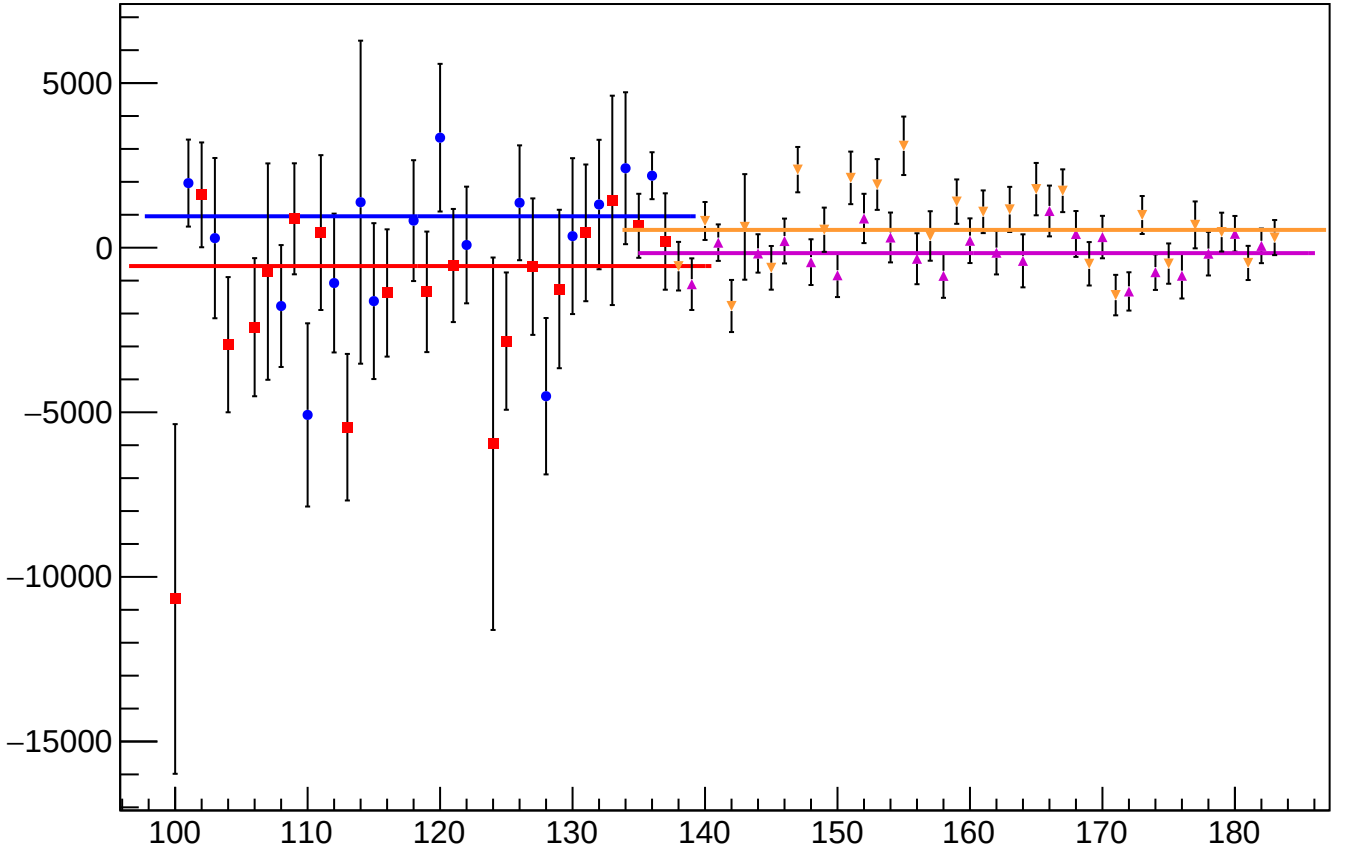
Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1244.931+/-0.176 χ^2/NDF:566229.4/37

Out: 1254.563+/-0.174 χ^2/NDF:540386.5/42

All: 1249.819+/-0.124 χ^2/NDF: 1108134.0/80

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 540.316+/-137.251 χ^2/NDF:65.7/23

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: 192.322+/-97.700 χ^2/NDF: 97.3/45

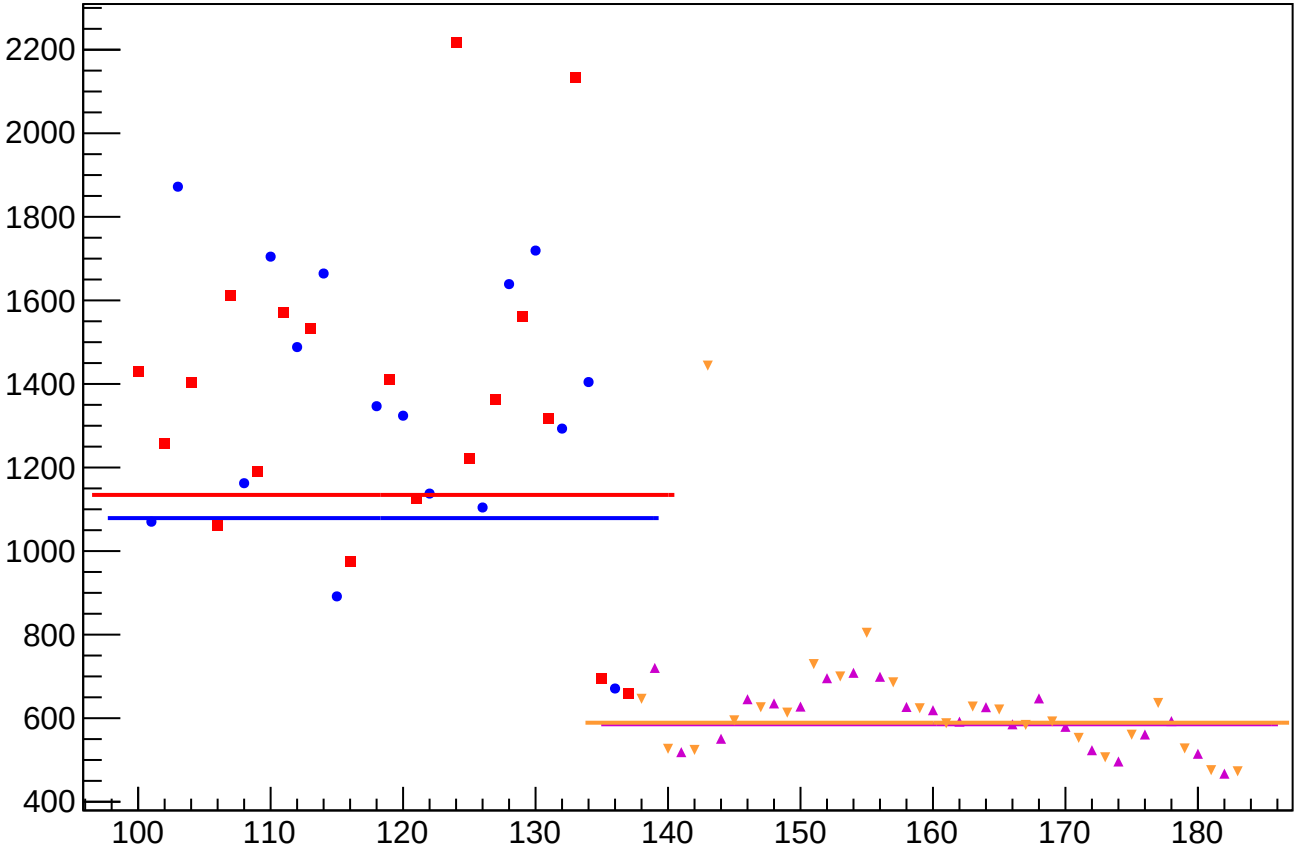
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -57.131+/-132.223 χ^2/NDF:44.7/37

Out: 443.234+/-131.044 χ^2/NDF:89.7/42

All: 195.291+/-93.076 χ^2/NDF: 141.7/80

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: 589.211+/-0.097 χ^2/NDF:1168627.5/23

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.442+/-0.098 χ^2/NDF:517584.9/21

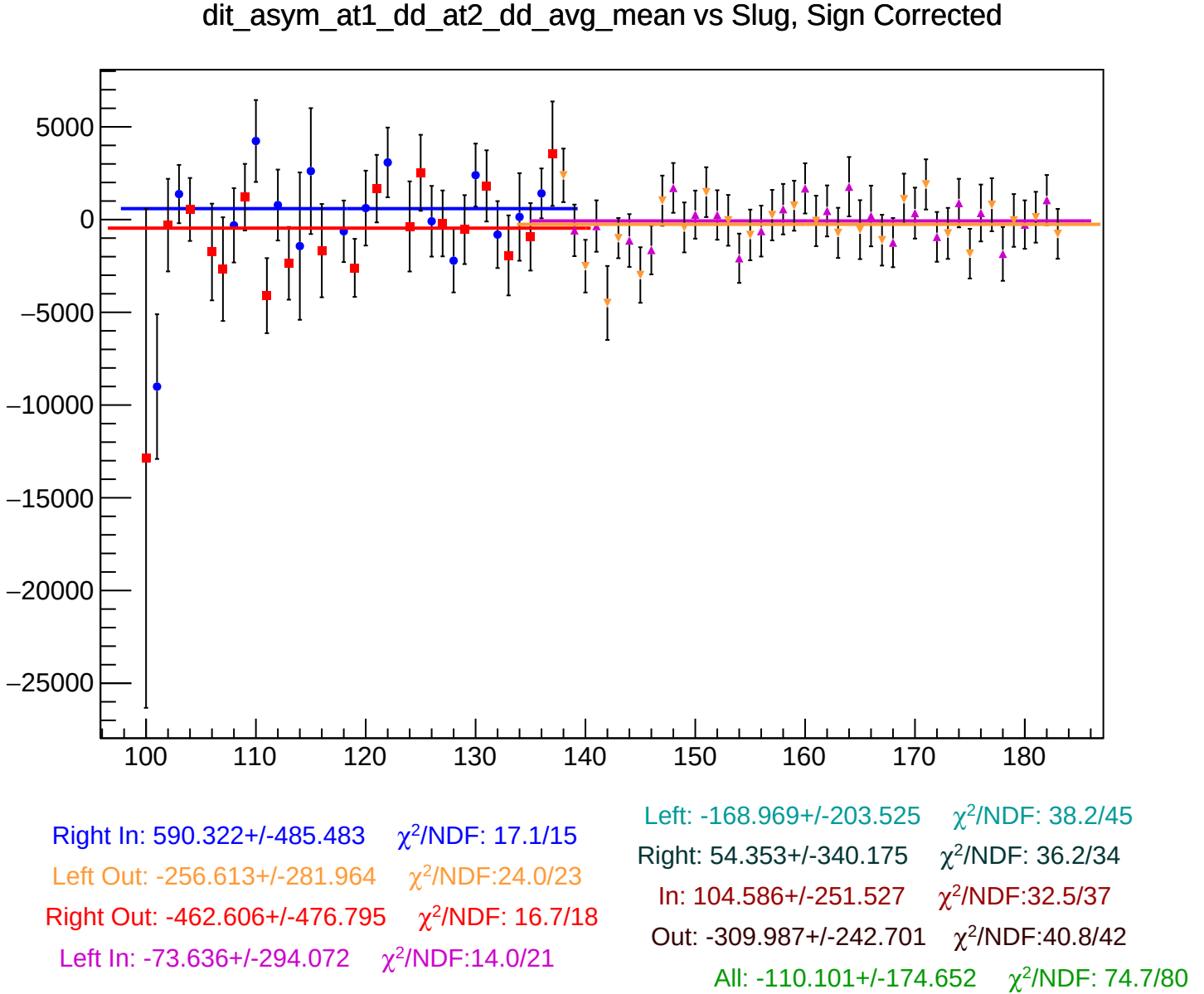
Left: 587.352+/-0.069 χ^2/NDF: 1686956.5/45

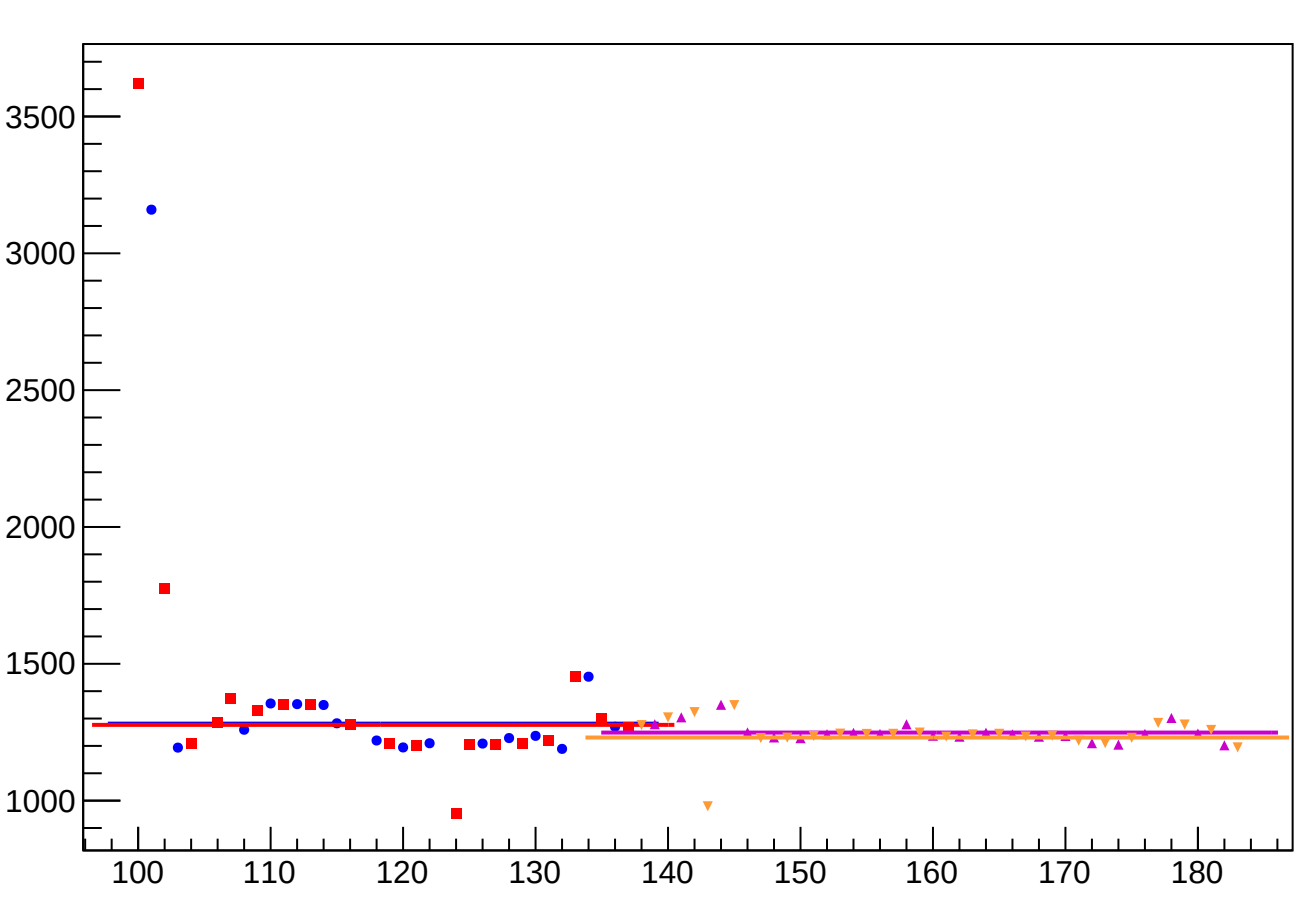
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 633.059+/-0.093 χ^2/NDF:4425108.5/37

Out: 637.407+/-0.093 χ^2/NDF:5247329.7/42

All: 635.252+/-0.066 χ^2/NDF: 9673529.0/80


dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -256.613+/-281.964 χ²/NDF:24.0/23
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: -73.636+/-294.072 χ²/NDF:14.0/21
Left: -168.969+/-203.525 χ²/NDF: 38.2/45
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 104.586+/-251.527 χ²/NDF:32.5/37
Out: -309.987+/-242.701 χ²/NDF:40.8/42
All: -110.101+/-174.652 χ²/NDF: 74.7/80



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1230.615+/-0.199 χ^2/NDF:140919.0/23

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: 1239.292+/-0.144 χ^2/NDF: 171046.8/45

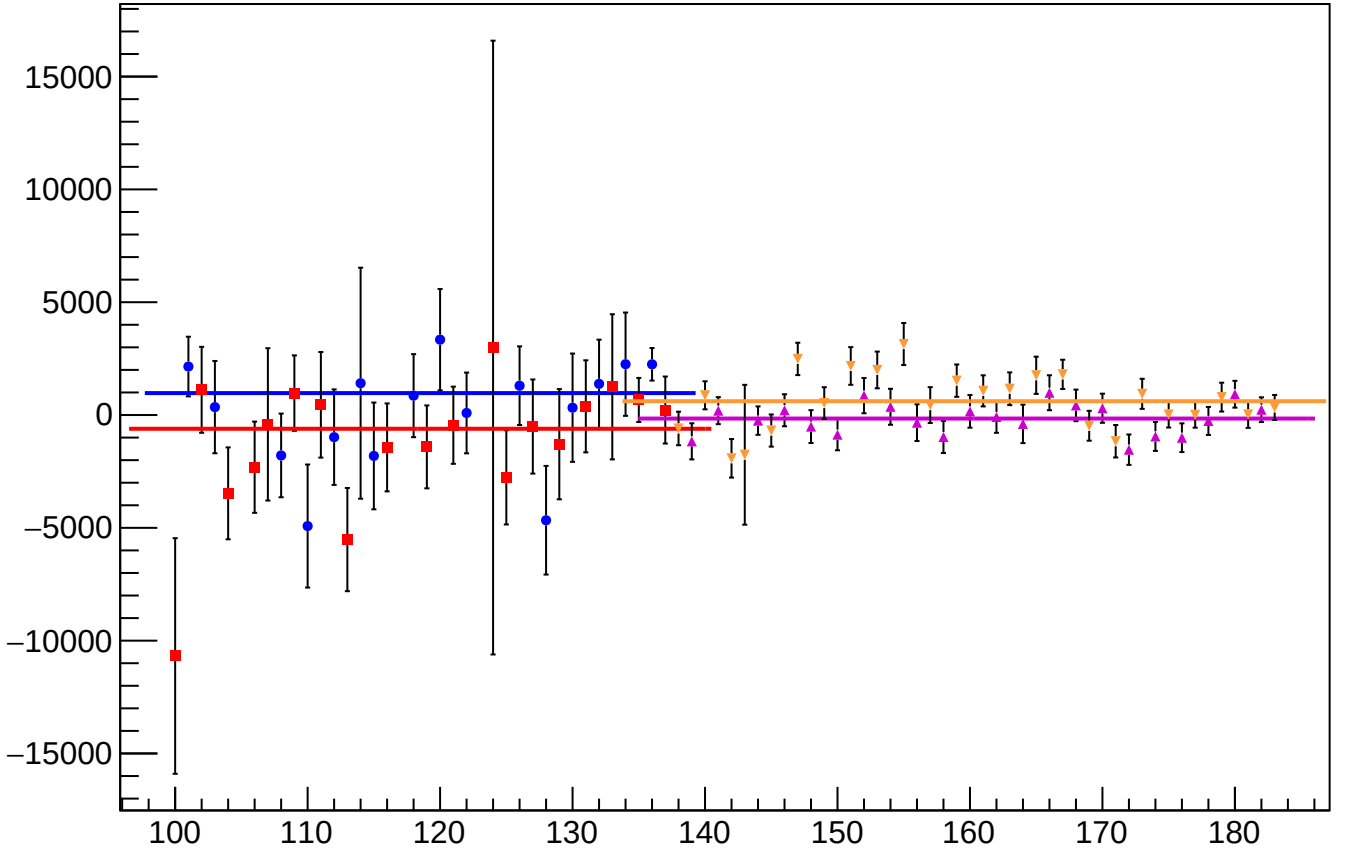
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1257.491+/-0.178 χ^2/NDF:539864.7/37

Out: 1242.597+/-0.172 χ^2/NDF:375372.8/42

All: 1249.778+/-0.123 χ^2/NDF: 918869.1/80

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 612.814+/-143.744 χ^2/NDF:56.6/23

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -156.189+/-146.189 χ^2/NDF:22.0/21

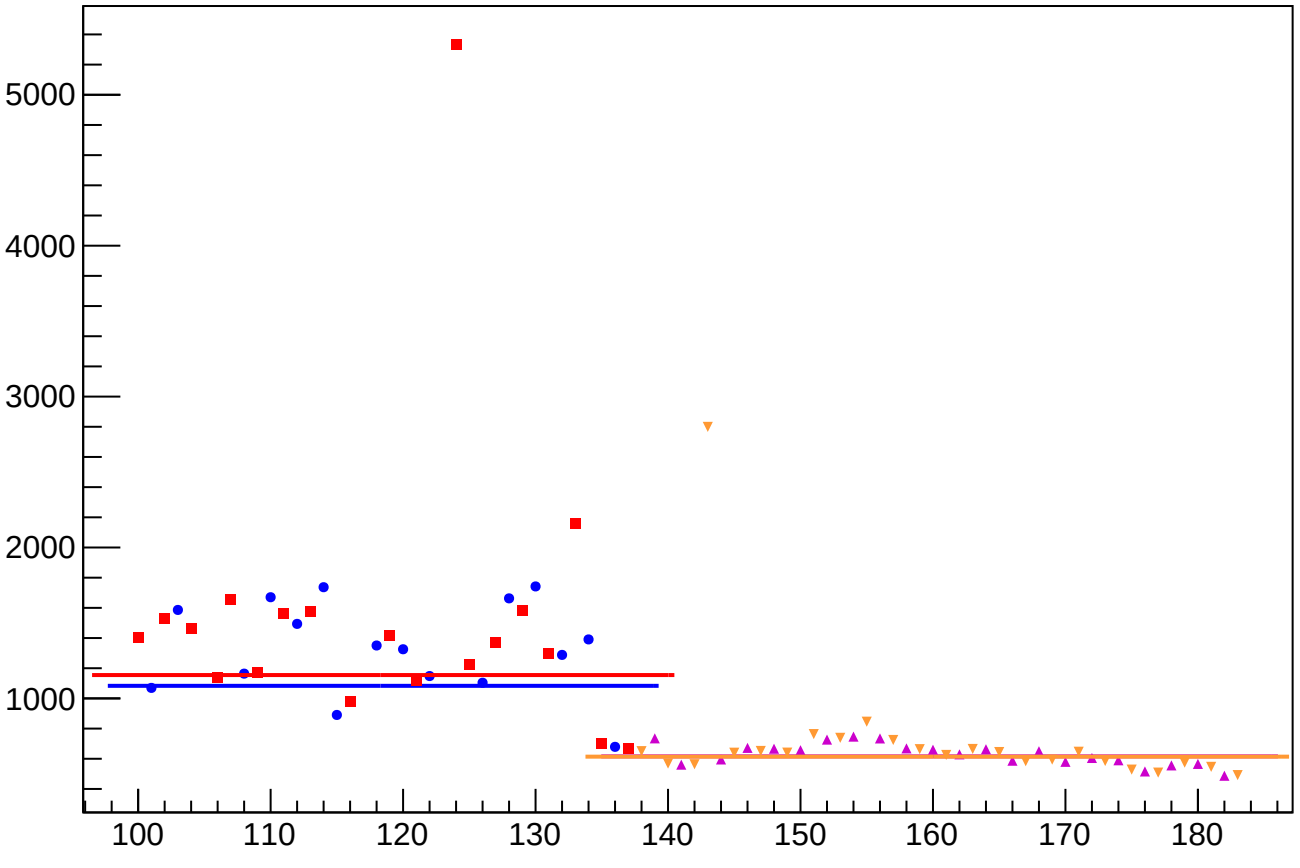
Left: 234.799+/-102.496 χ^2/NDF: 92.7/45

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: -36.905+/-138.247 χ^2/NDF:48.7/37

Out: 498.701+/-136.863 χ^2/NDF:80.5/42

All: 233.592+/-97.263 χ^2/NDF: 136.8/80



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 613.995+/-0.102 χ^2/NDF:1582623.8/23

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 615.957+/-0.103 χ^2/NDF:464038.0/21

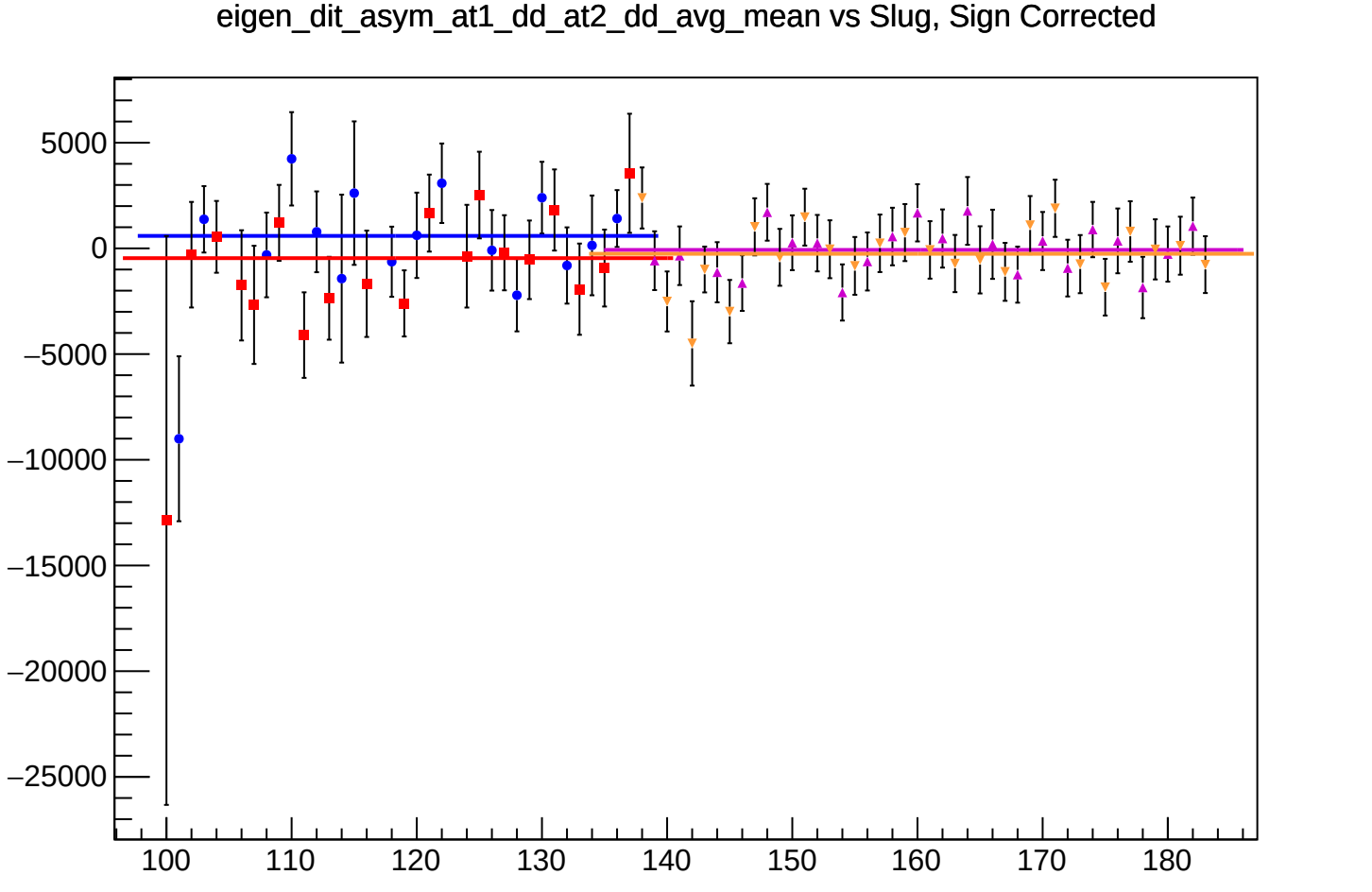
Left: 614.960+/-0.072 χ^2/NDF: 2046844.9/45

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 665.361+/-0.098 χ^2/NDF:3985029.8/37

Out: 664.521+/-0.097 χ^2/NDF:5715439.6/42

All: 664.937+/-0.069 χ^2/NDF: 9700506.6/80



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -256.615+/-281.964 χ^2/NDF:24.0/23

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -73.635+/-294.072 χ^2/NDF:14.0/21

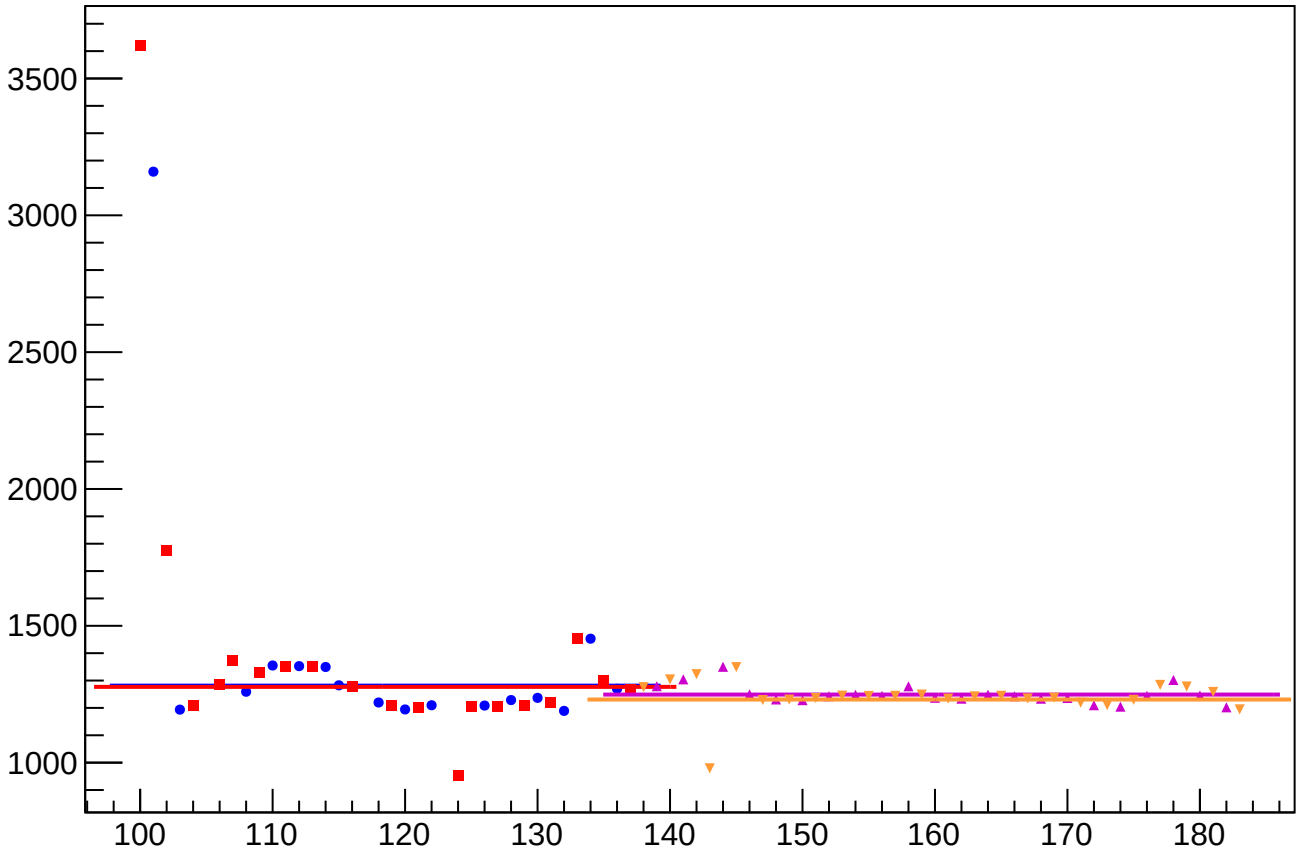
Left: -168.970+/-203.525 χ^2/NDF: 38.2/45

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 104.587+/-251.527 χ^2/NDF:32.5/37

Out: -309.988+/-242.701 χ^2/NDF:40.8/42

All: -110.102+/-174.652 χ^2/NDF: 74.7/80



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1230.614+/-0.199 χ^2/NDF:140918.1/23

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: 1239.292+/-0.144 χ^2/NDF: 171045.7/45

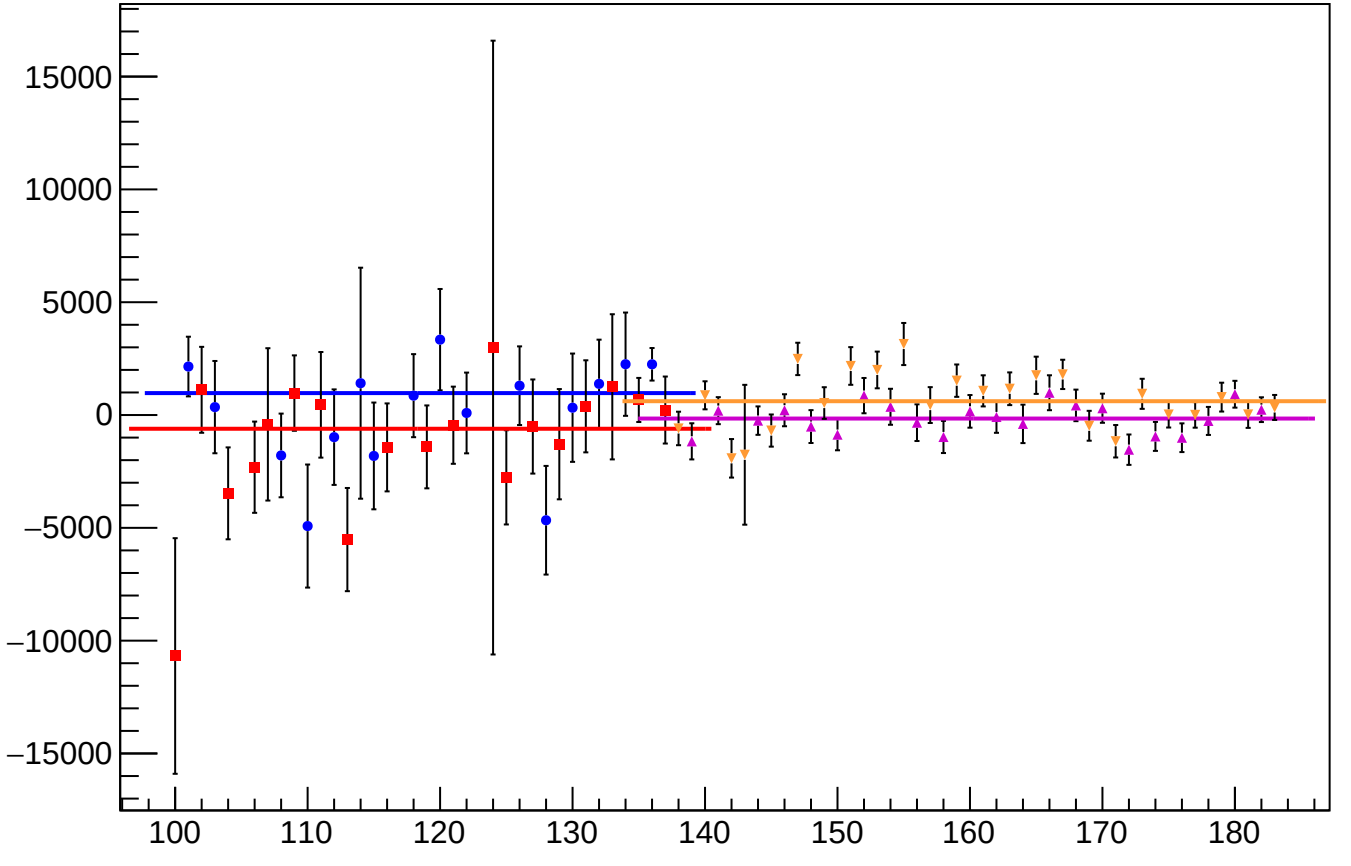
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1257.491+/-0.178 χ^2/NDF:539864.8/37

Out: 1242.597+/-0.172 χ^2/NDF:375371.7/42

All: 1249.778+/-0.123 χ^2/NDF: 918868.1/80

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: 612.814+/-143.743 χ^2/NDF:56.6/23

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -156.188+/-146.189 χ^2/NDF:22.0/21

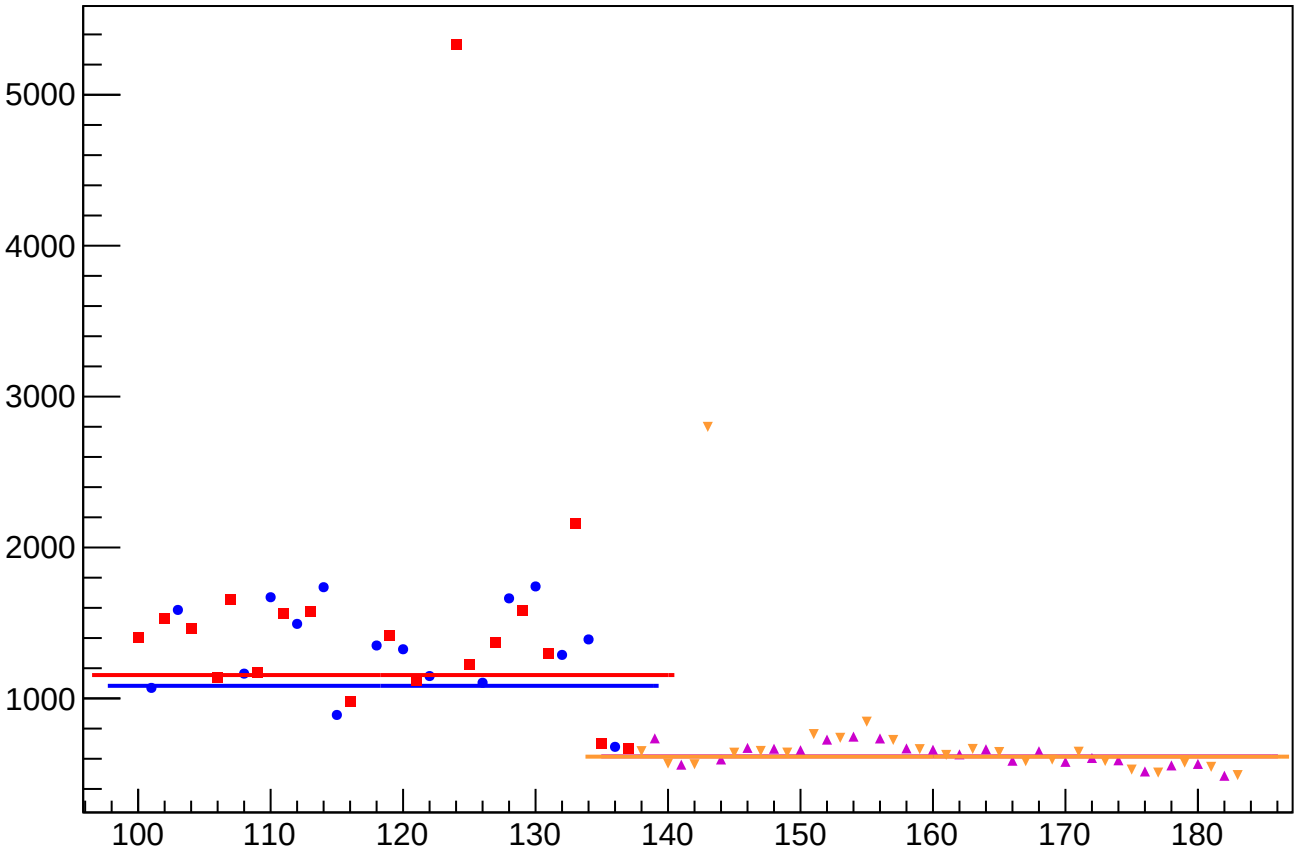
Left: 234.799+/-102.496 χ^2/NDF: 92.7/45

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: -36.906+/-138.247 χ^2/NDF:48.7/37

Out: 498.701+/-136.863 χ^2/NDF:80.5/42

All: 233.592+/-97.262 χ^2/NDF: 136.8/80



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 613.995+/-0.102 χ^2/NDF:1582621.3/23

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 615.957+/-0.103 χ^2/NDF:464041.0/21

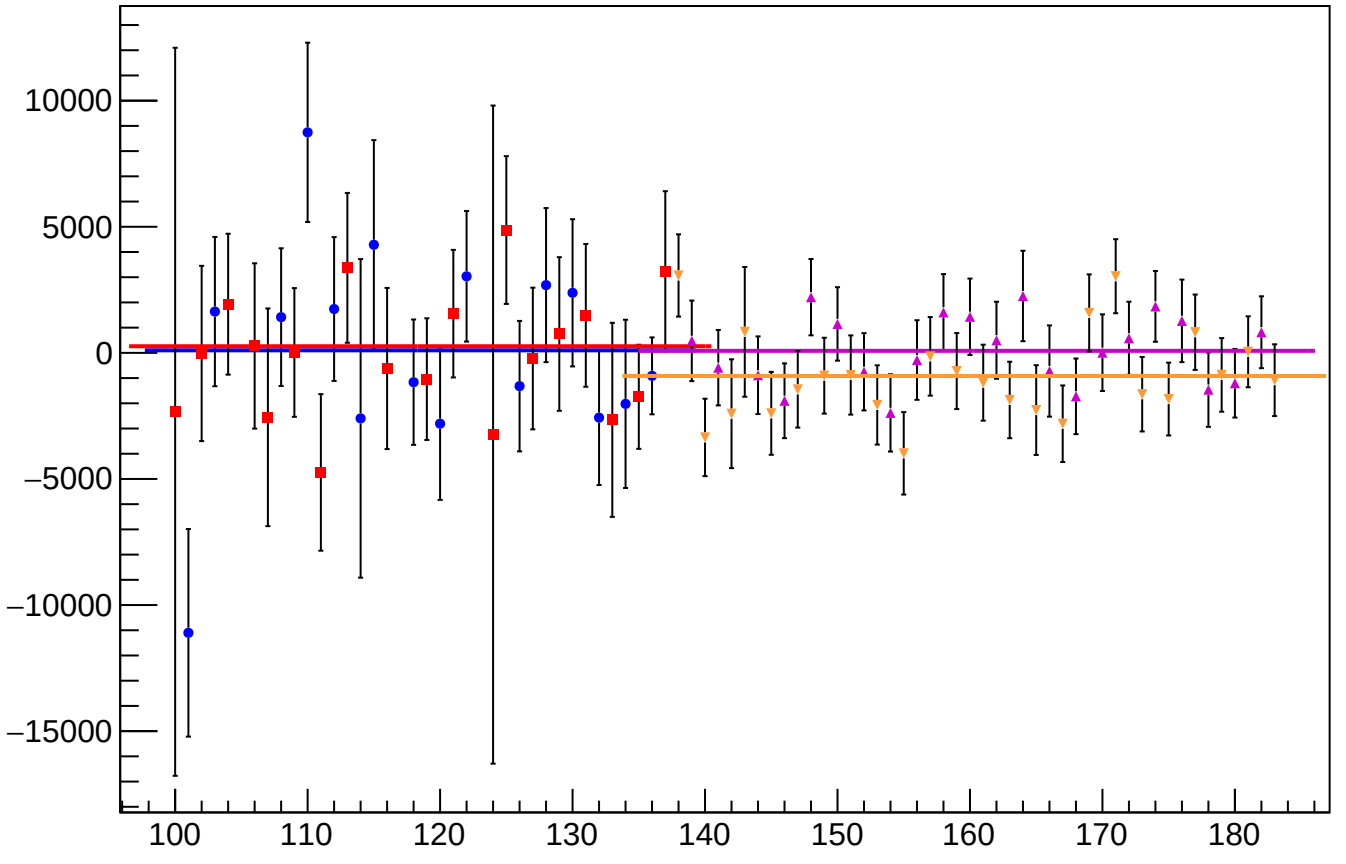
Left: 614.959+/-0.072 χ^2/NDF: 2046845.4/45

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 665.360+/-0.098 χ^2/NDF:3985027.3/37

Out: 664.521+/-0.097 χ^2/NDF:5715437.6/42

All: 664.936+/-0.069 χ^2/NDF: 9700502.1/80



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -916.306+/-319.076 χ^2/NDF:29.7/23

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 80.747+/-324.051 χ^2/NDF:17.4/21

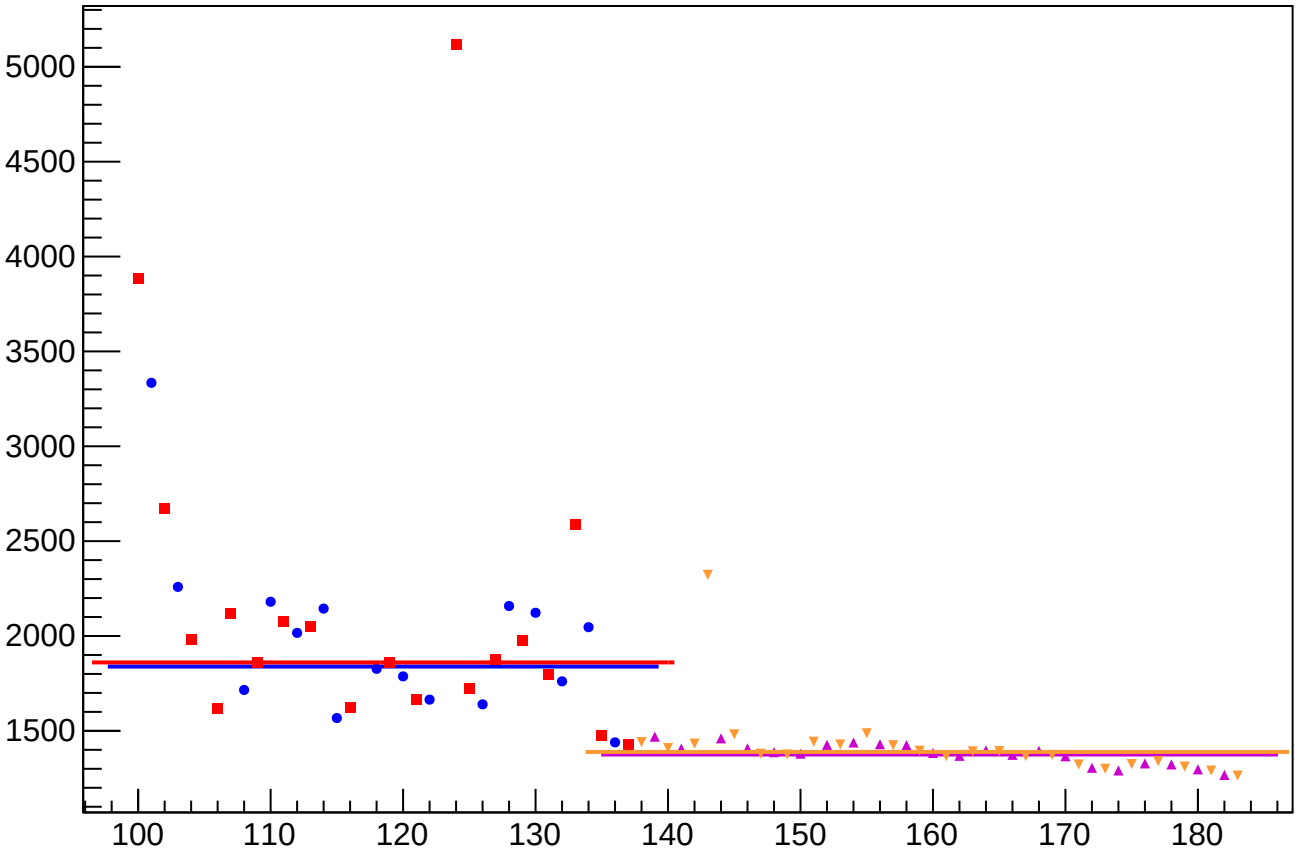
Left: -425.491+/-227.359 χ^2/NDF: 51.8/45

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 84.233+/-293.993 χ^2/NDF:38.6/37

Out: -713.343+/-290.317 χ^2/NDF:42.3/42

All: -319.573+/-206.573 χ^2/NDF: 84.7/80



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1388.982+/-0.226 χ^2/NDF:334320.1/23

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1375.341+/-0.229 χ^2/NDF:59984.1/21

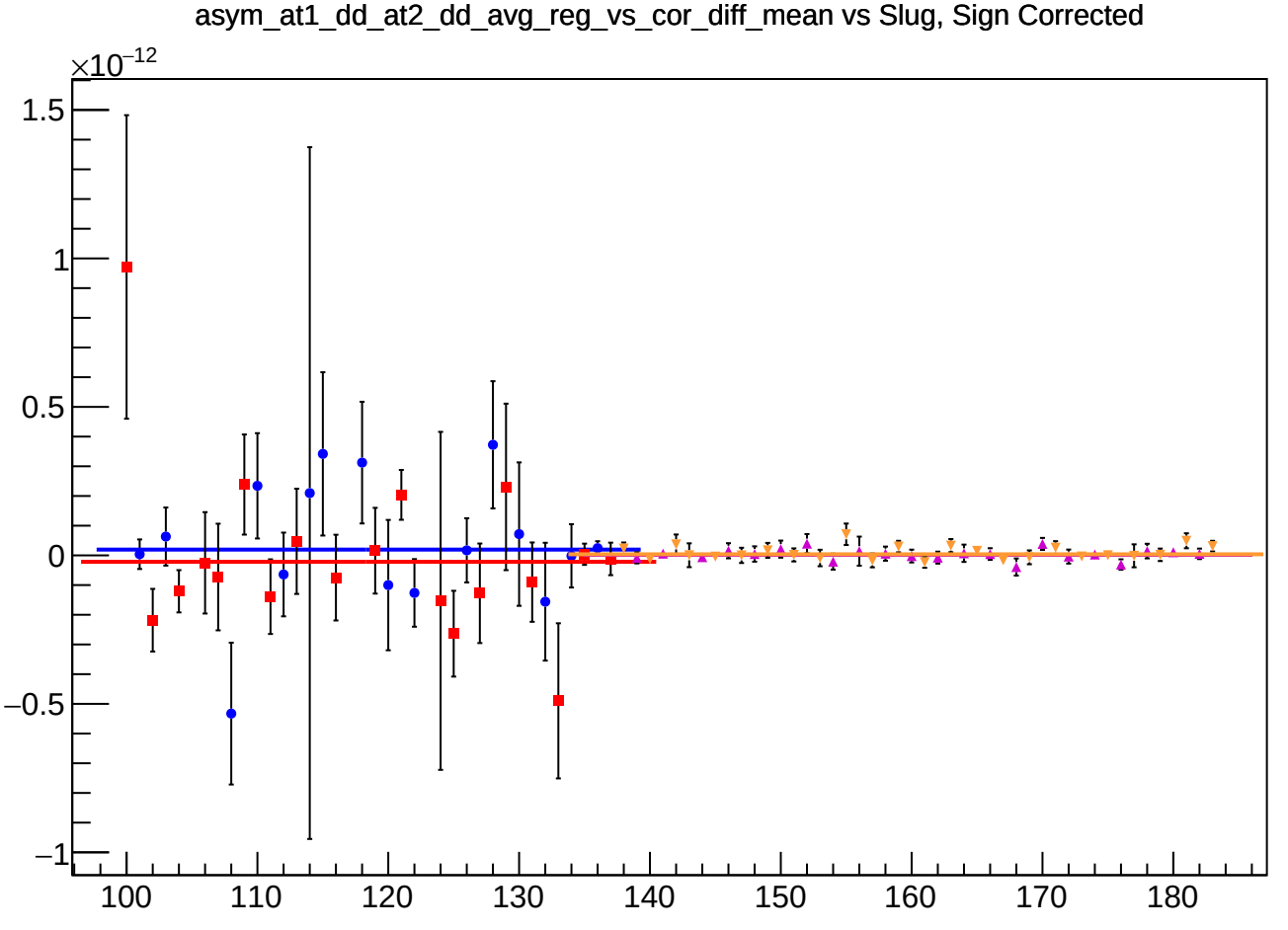
Left: 1382.267+/-0.161 χ^2/NDF: 396103.7/45

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1457.385+/-0.208 χ^2/NDF:1341406.9/37

Out: 1470.196+/-0.205 χ^2/NDF:1609100.9/42

All: 1463.871+/-0.146 χ^2/NDF: 2952430.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/23

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: 38.3/45

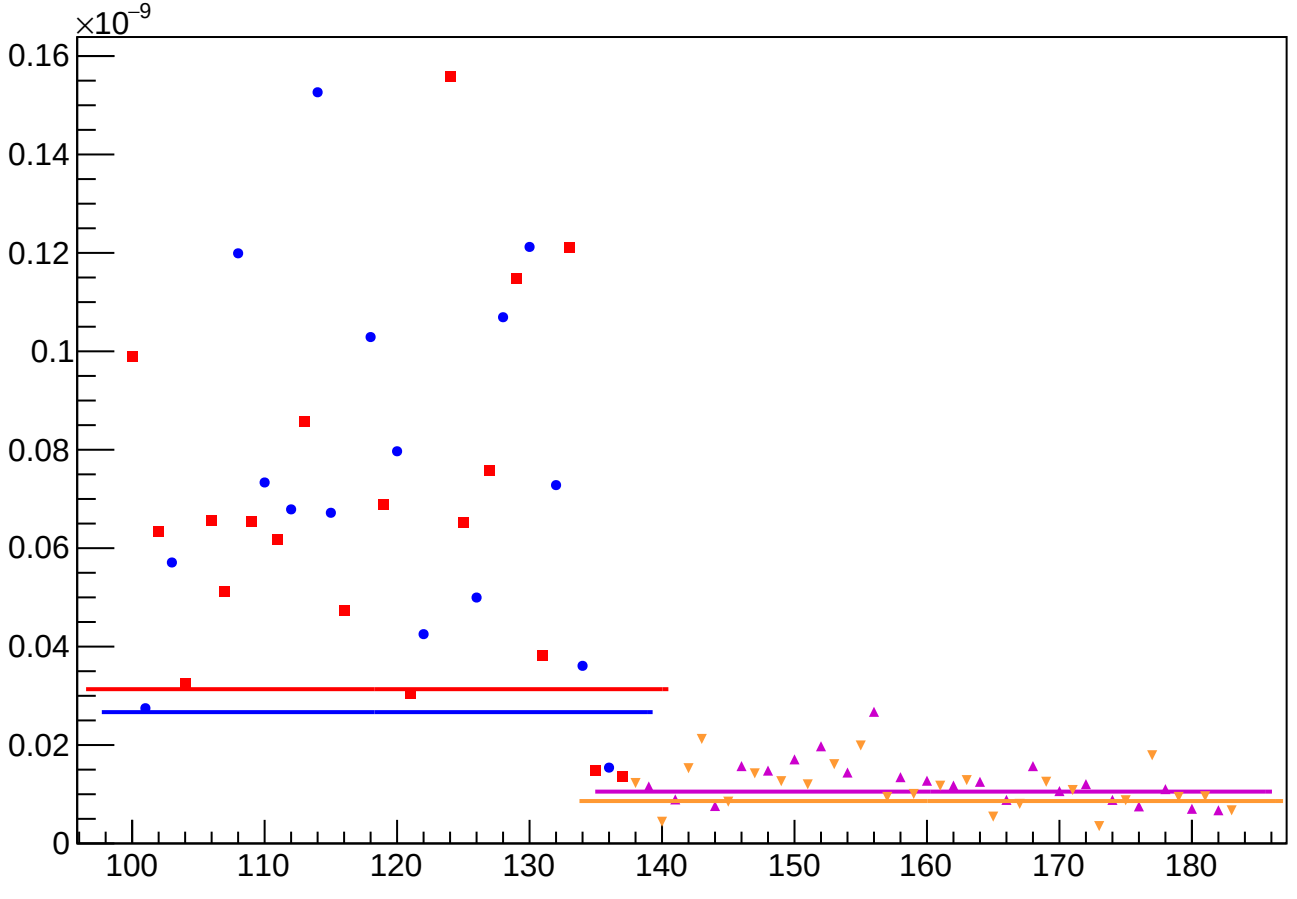
Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.8/37

Out: 0.000+/-0.000 χ^2/NDF:54.2/42

All: 0.000+/-0.000 χ^2/NDF: 85.0/80

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:2142721.5/23

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: 3591531.2/45

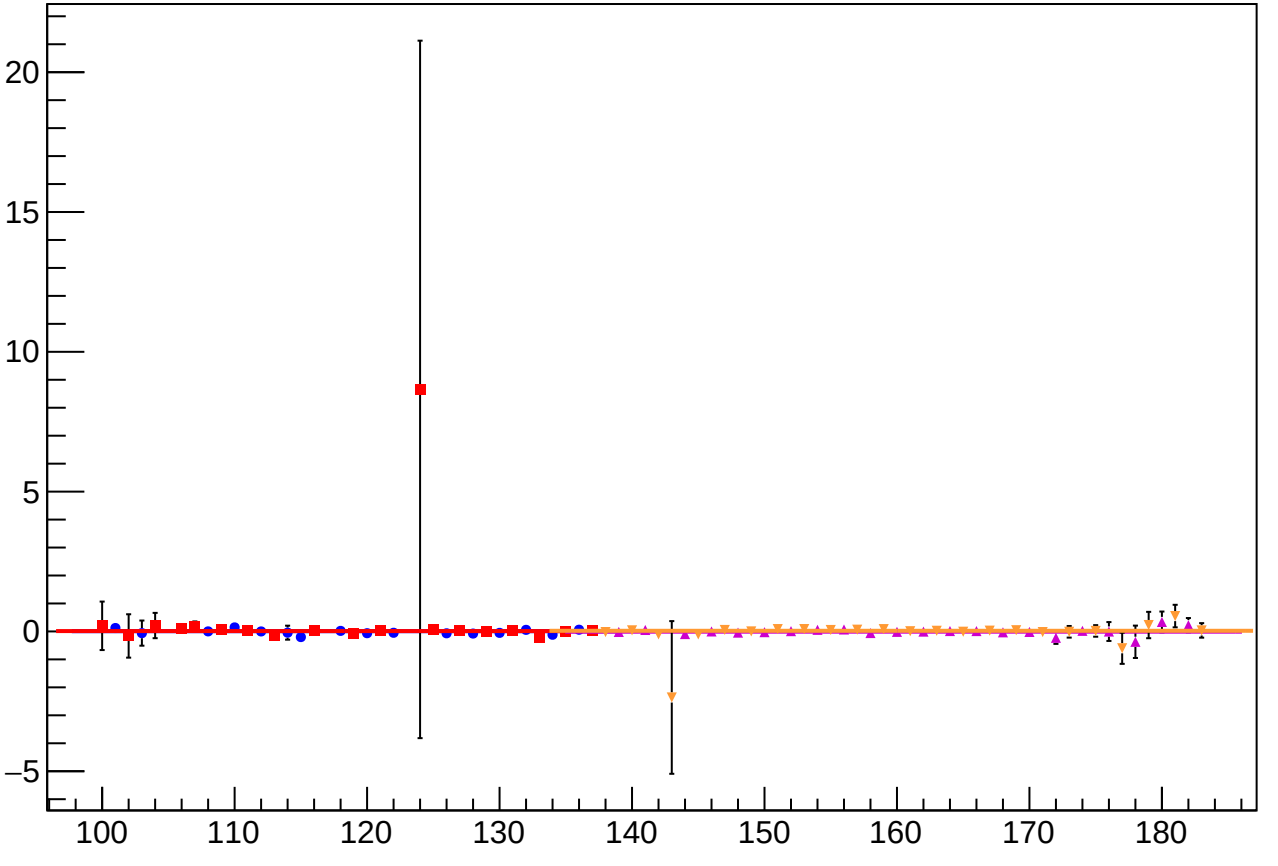
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:5211262.5/37

Out: 0.000+/-0.000 χ^2/NDF:6437879.8/42

All: 0.000+/-0.000 χ^2/NDF: 11923217.2/80

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:21.3/23

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: 40.6/45

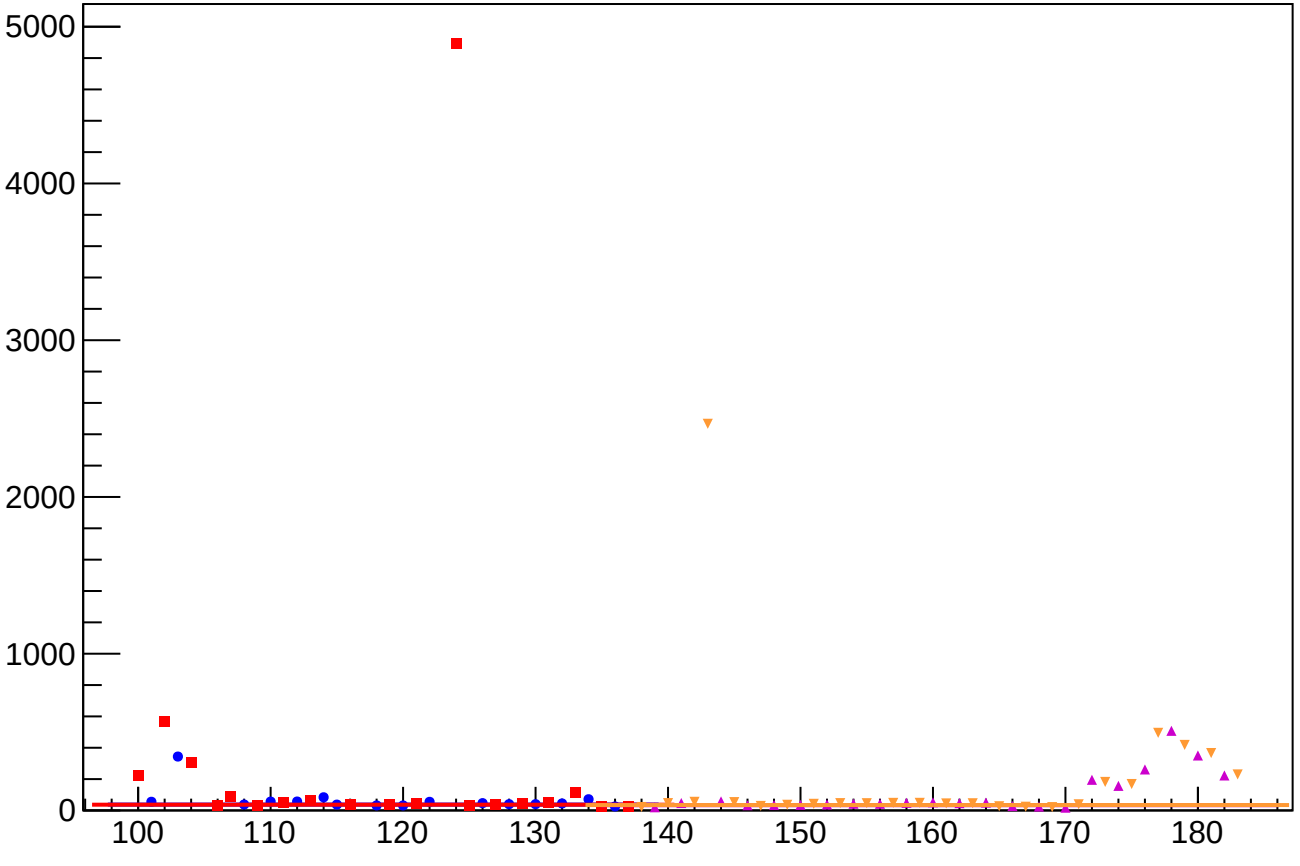
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:34.2/37

Out: 0.020+/-0.009 χ^2/NDF:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 72.5/80

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: 34.518+/-0.007 χ^2/NDF:11039981.4/23

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: 33.983+/-0.005 χ^2/NDF: 20702002.2/45

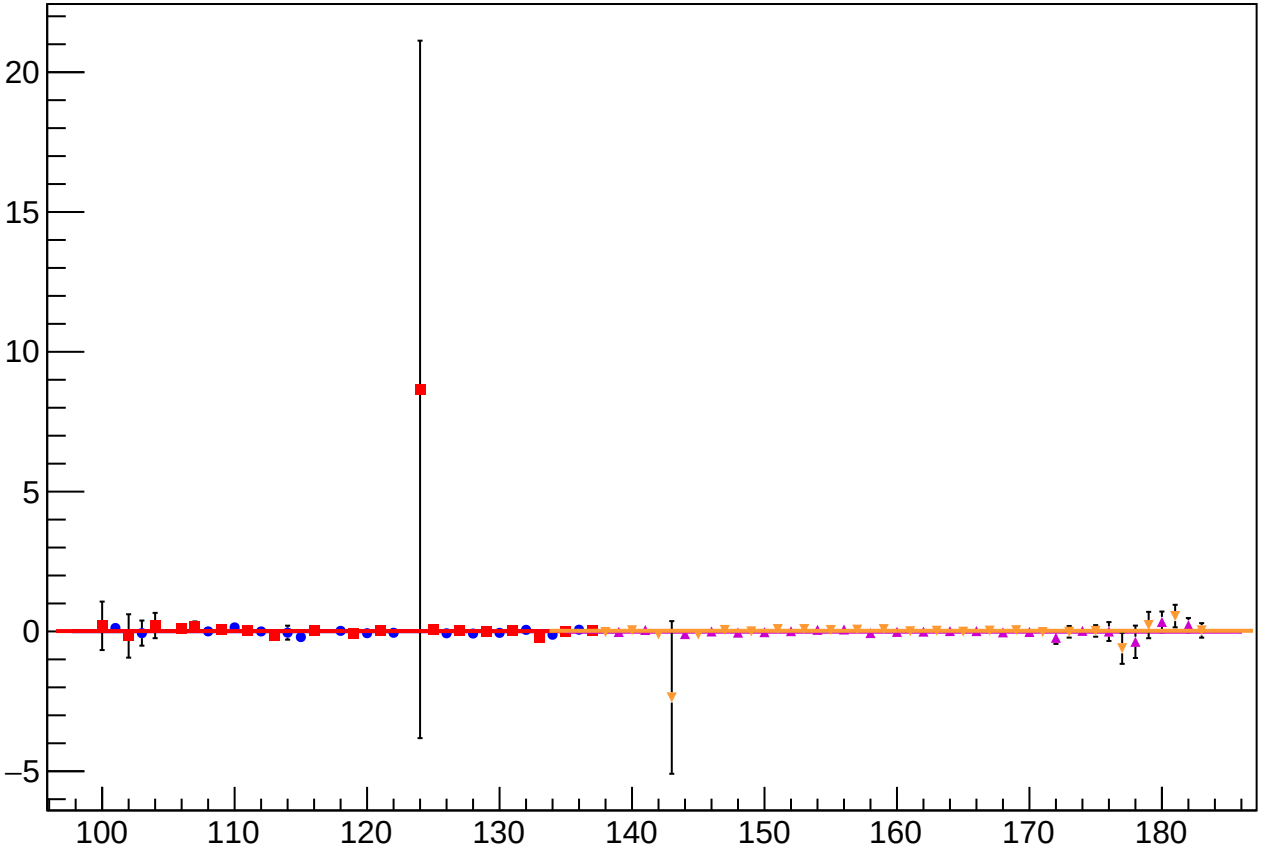
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.587+/-0.006 χ^2/NDF:11724984.5/37

Out: 35.134+/-0.006 χ^2/NDF:14257280.0/42

All: 34.853+/-0.004 χ^2/NDF: 25986332.1/80

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:21.3/23

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: 40.6/45

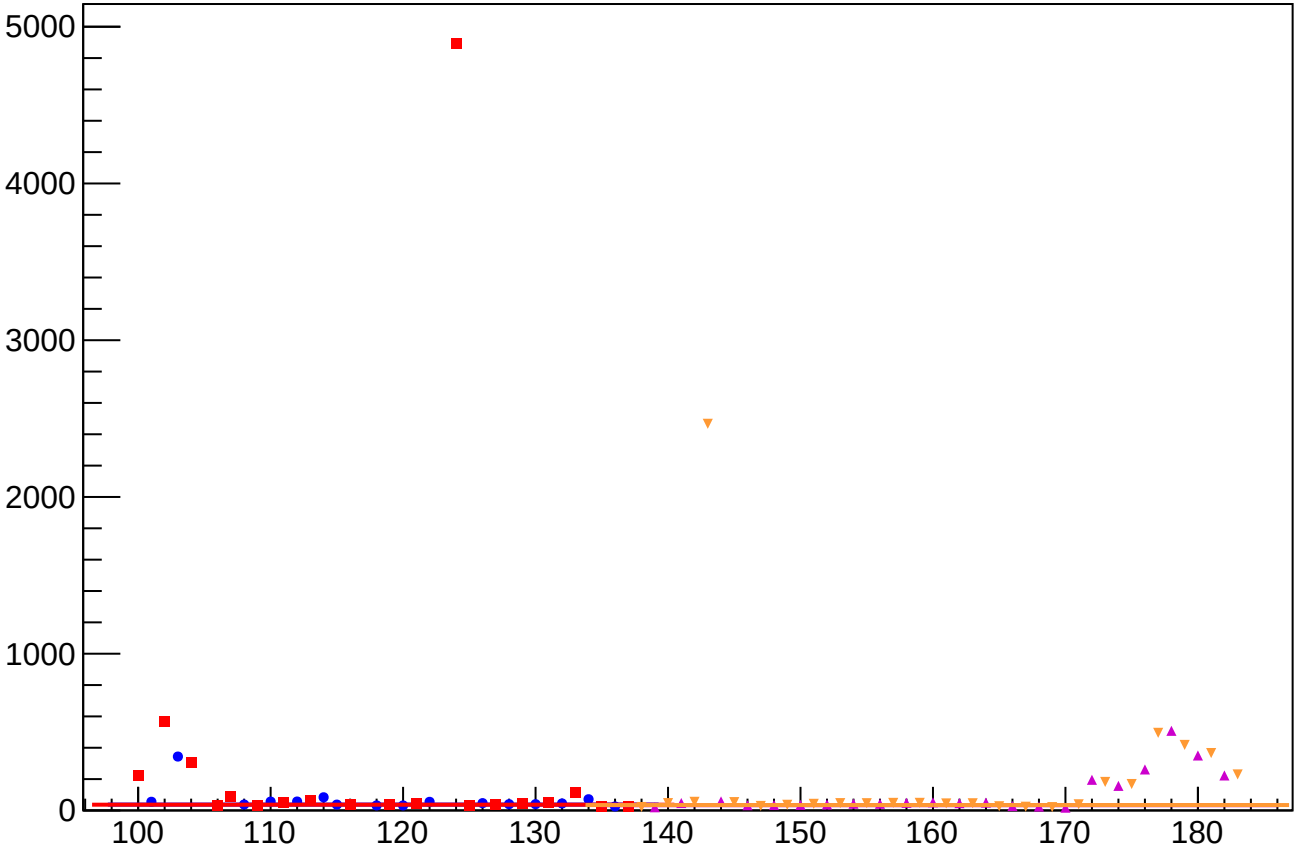
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:34.2/37

Out: 0.020+/-0.009 χ^2/NDF:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 72.5/80

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: 34.518+/-0.007 χ^2/NDF:11039981.4/23

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.475+/-0.007 χ^2/NDF:9651312.5/21

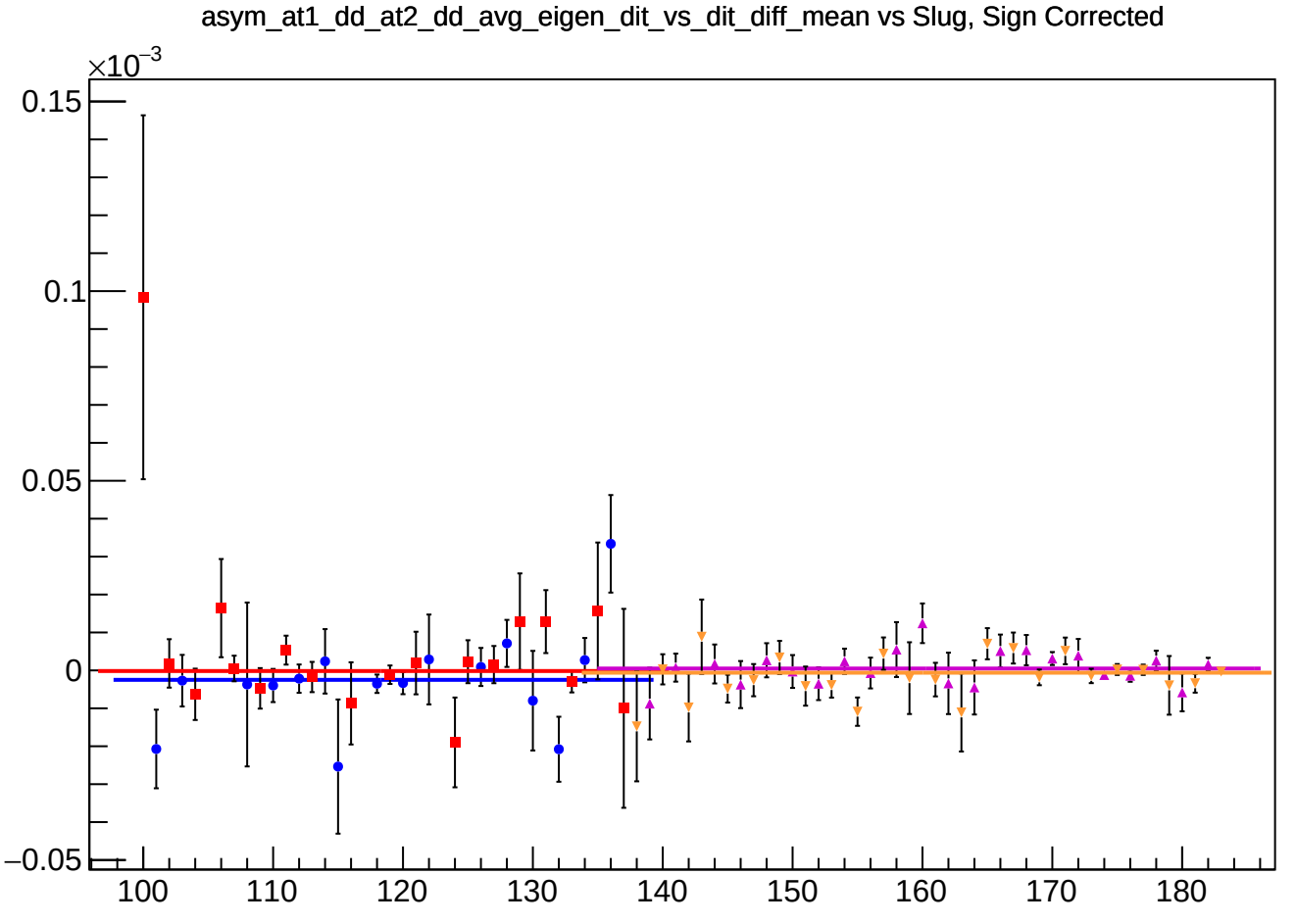
Left: 33.983+/-0.005 χ^2/NDF: 20702002.2/45

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.587+/-0.006 χ^2/NDF:11724984.5/37

Out: 35.134+/-0.006 χ^2/NDF:14257280.0/42

All: 34.853+/-0.004 χ^2/NDF: 25986332.1/80



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/23

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: 51.8/45

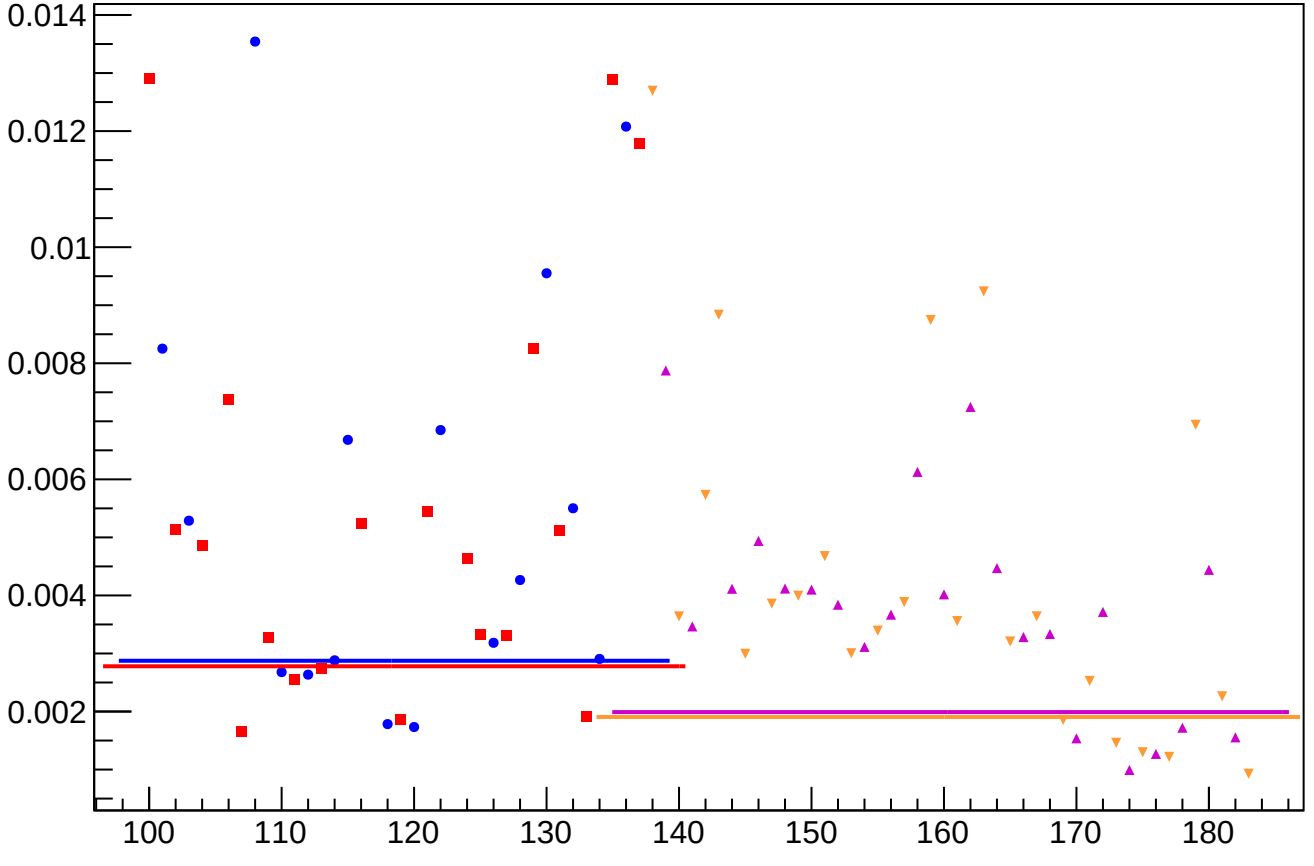
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:47.7/37

Out: -0.000+/-0.000 χ^2/NDF:47.4/42

All: -0.000+/-0.000 χ^2/NDF: 95.6/80

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:11849002.0/23

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: 21255490.5/45

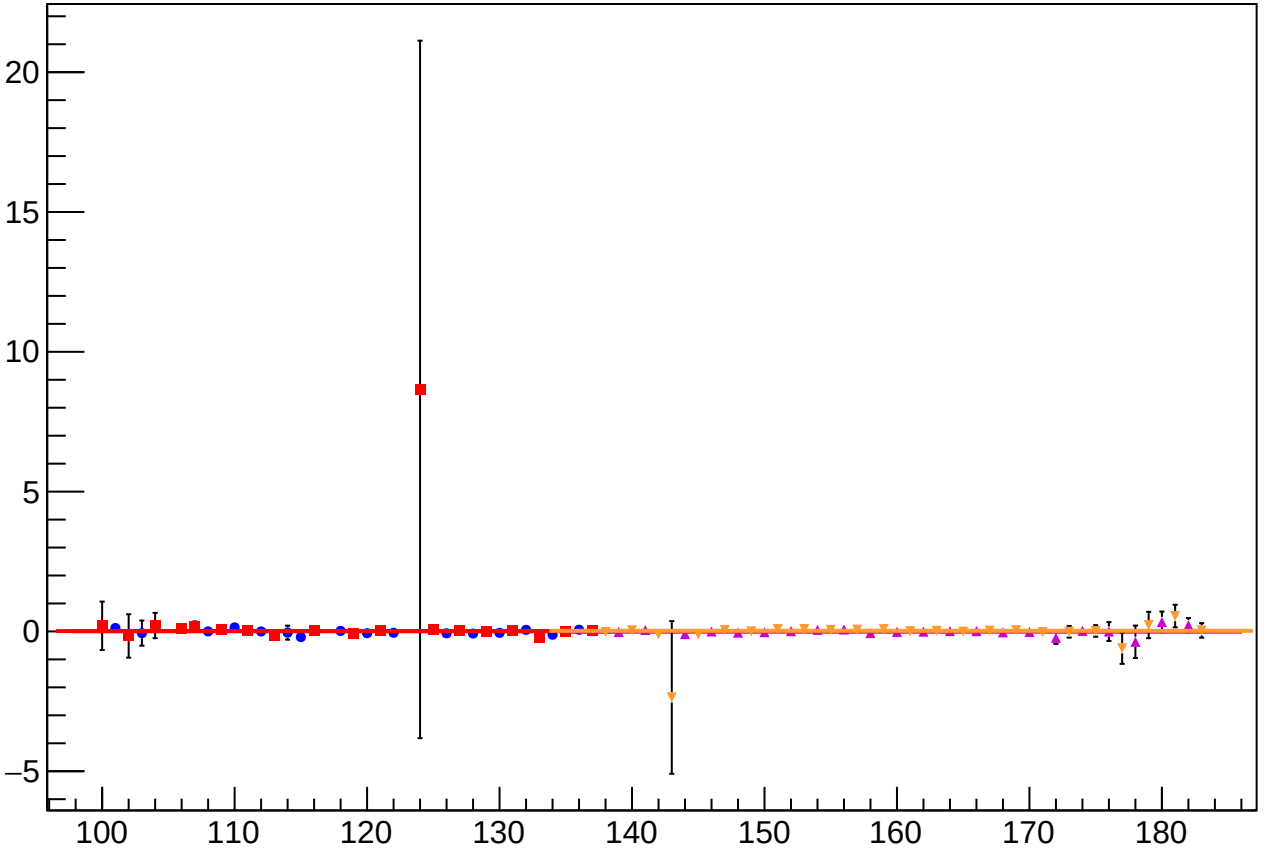
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:14297451.9/37

Out: 0.002+/-0.000 χ^2/NDF:16070241.2/42

All: 0.002+/-0.000 χ^2/NDF: 30391480.6/80

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:21.3/23

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: 40.6/45

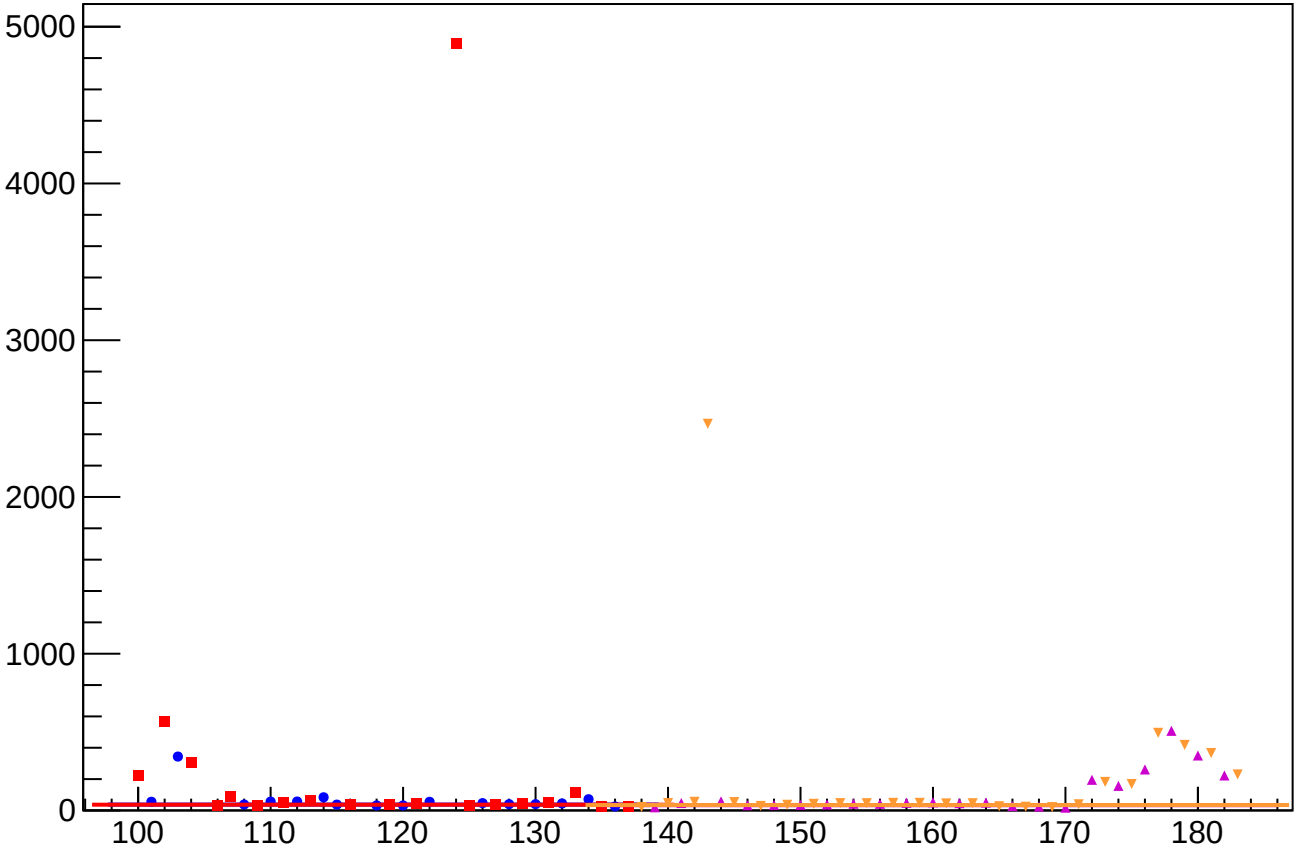
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:34.2/37

Out: 0.020+/-0.009 χ^2/NDF:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 72.6/80

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: 34.517+/-0.007 χ^2/NDF:11040092.0/23

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: 33.984+/-0.005 χ^2/NDF: 20700786.8/45

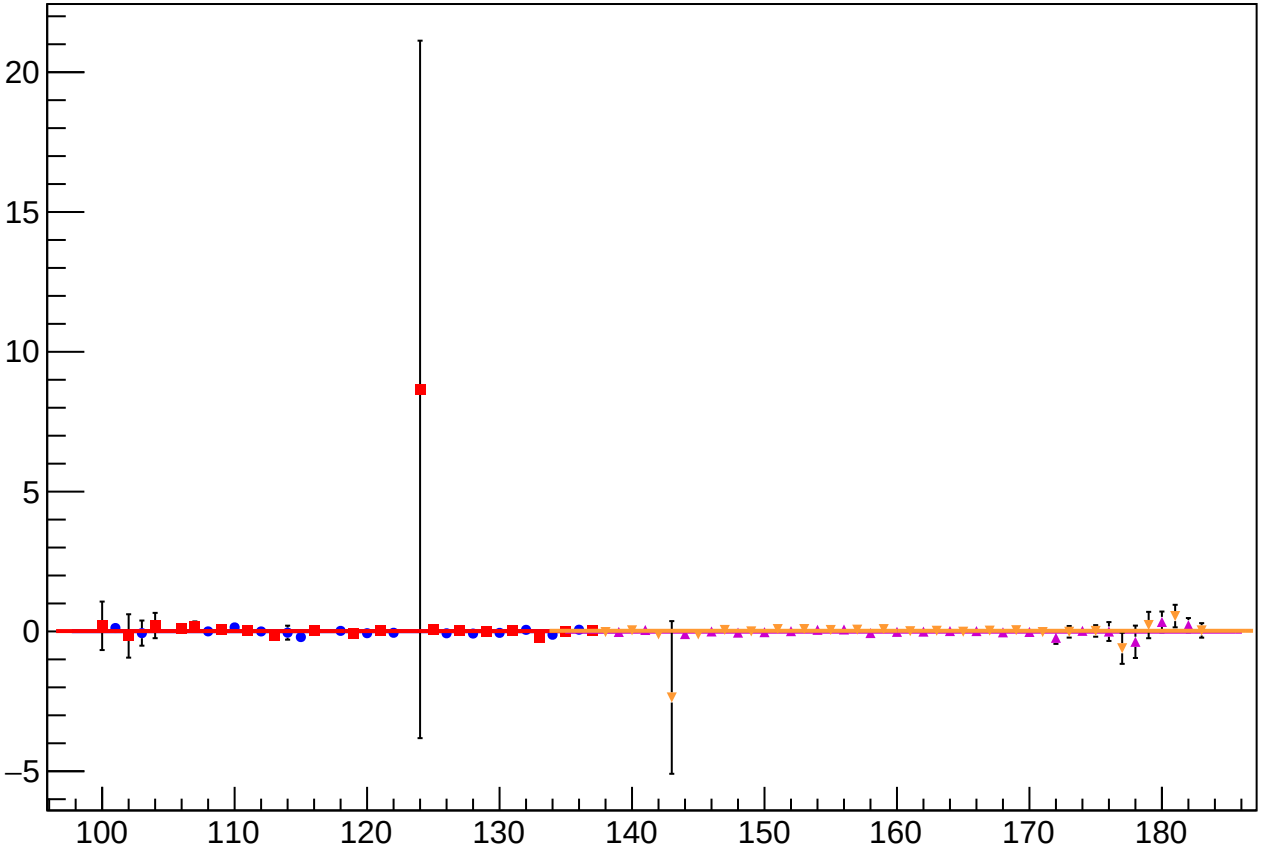
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.589+/-0.006 χ^2/NDF:11723574.9/37

Out: 35.134+/-0.006 χ^2/NDF:14257153.1/42

All: 34.854+/-0.004 χ^2/NDF: 25984764.3/80

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:21.3/23

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: 40.6/45

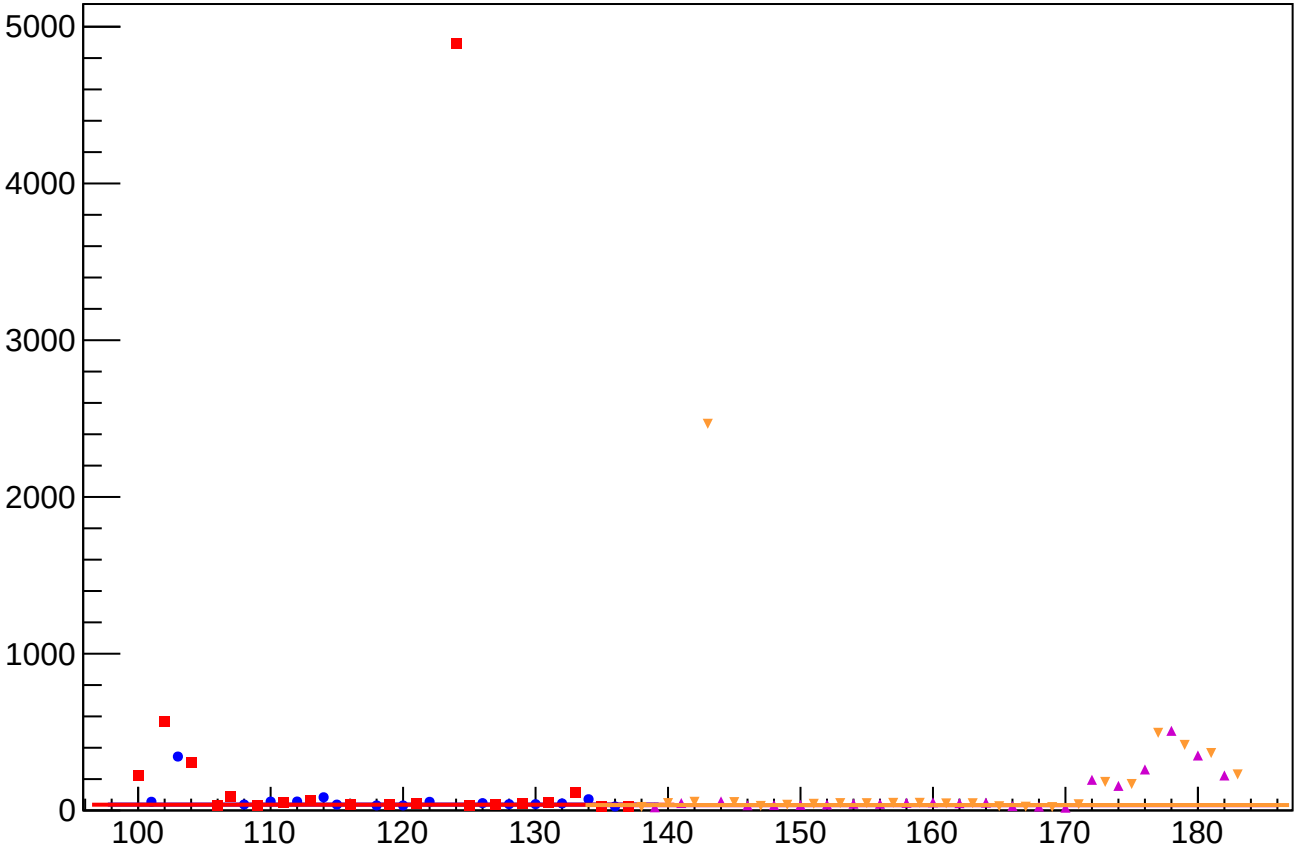
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:34.2/37

Out: 0.020+/-0.009 χ^2/NDF:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 72.6/80

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: 34.517+/-0.007 χ^2/NDF:11040092.0/23

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.477+/-0.007 χ^2/NDF:9650053.2/21

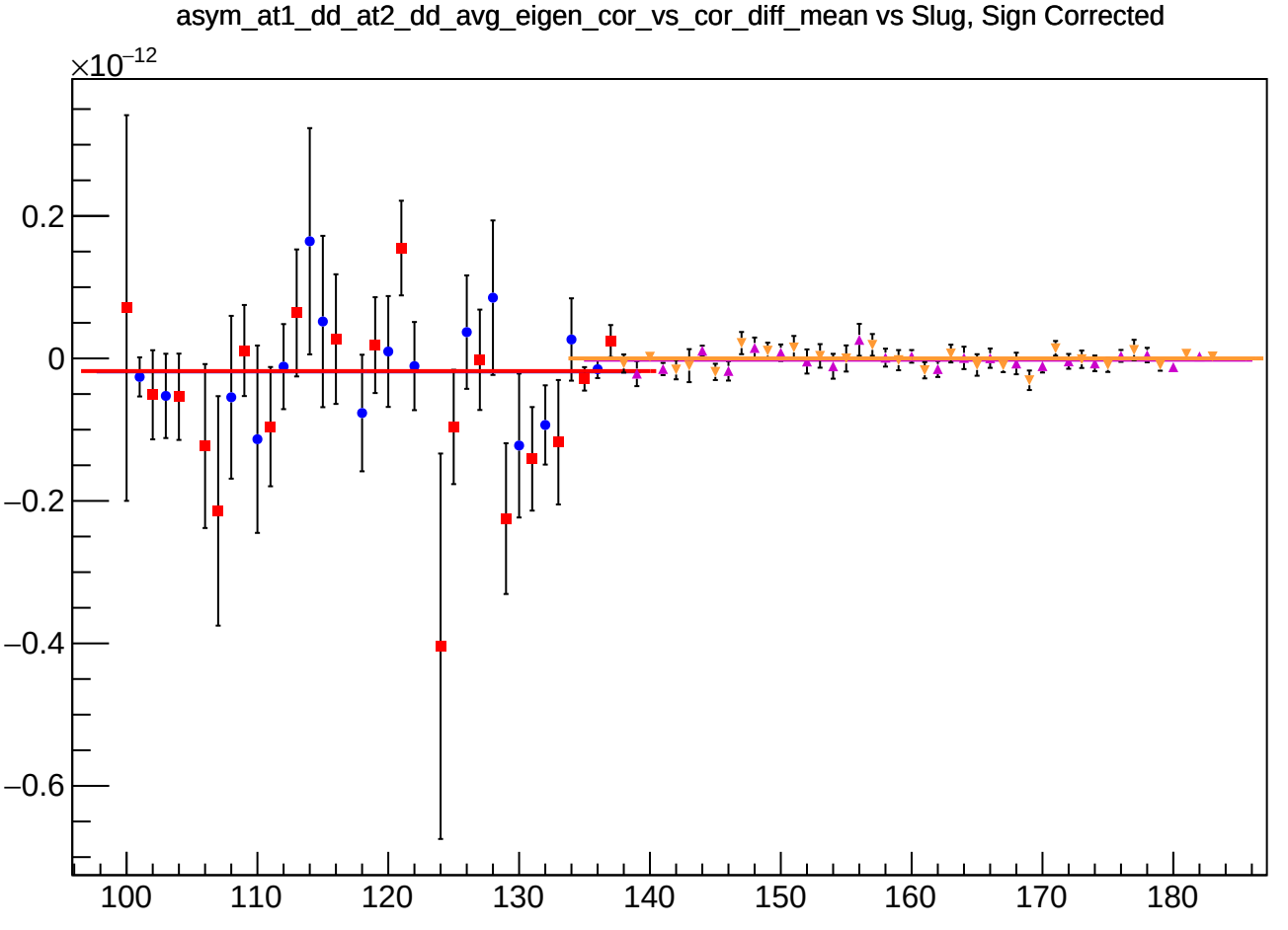
Left: 33.984+/-0.005 χ^2/NDF: 20700786.8/45

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.589+/-0.006 χ^2/NDF:11723574.9/37

Out: 35.134+/-0.006 χ^2/NDF:14257153.1/42

All: 34.854+/-0.004 χ^2/NDF: 25984764.3/80



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/23

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: 45.2/45

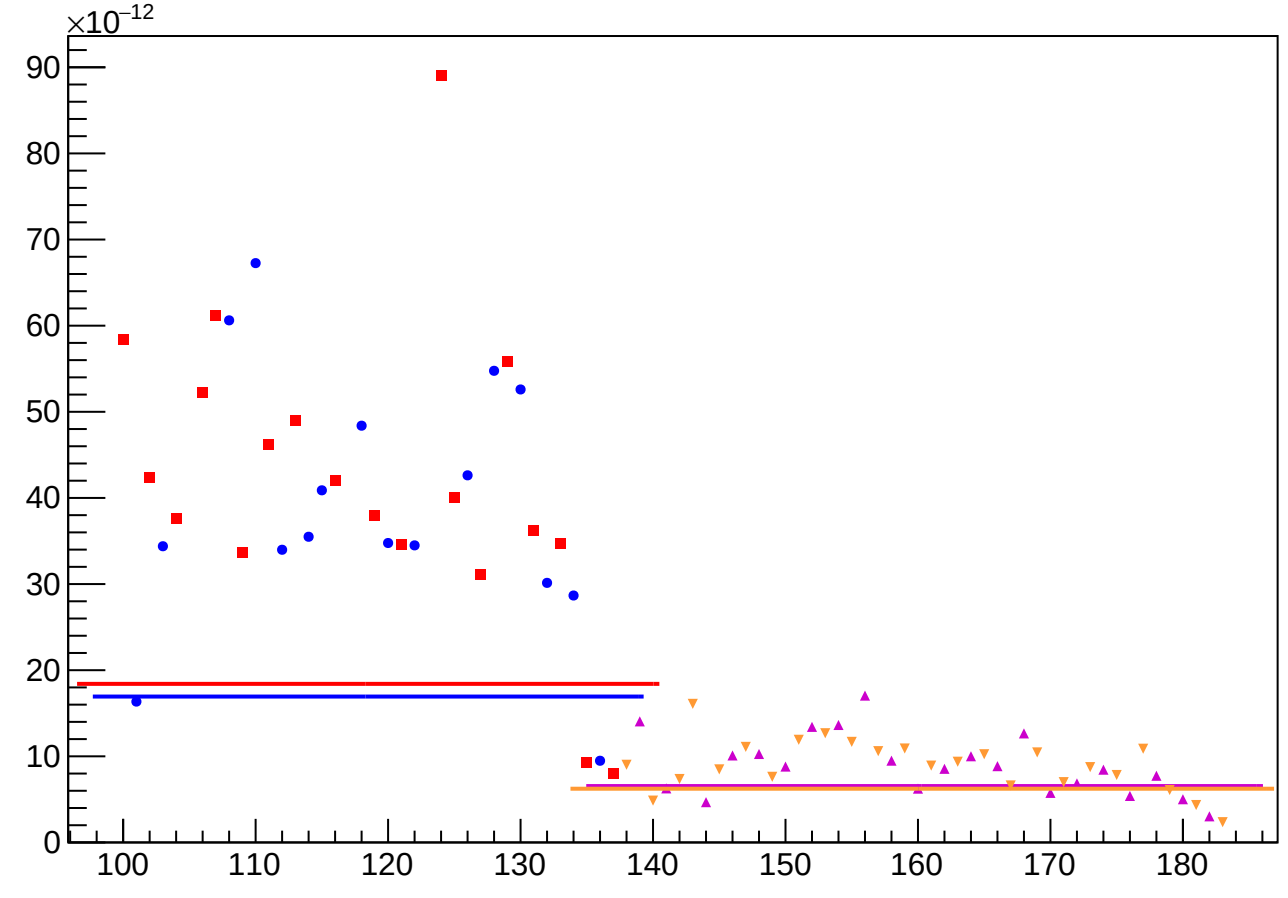
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:30.4/37

Out: -0.000+/-0.000 χ^2/NDF:55.1/42

All: -0.000+/-0.000 χ^2/NDF: 86.0/80

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5053483.8/23

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: 9037955.8/45

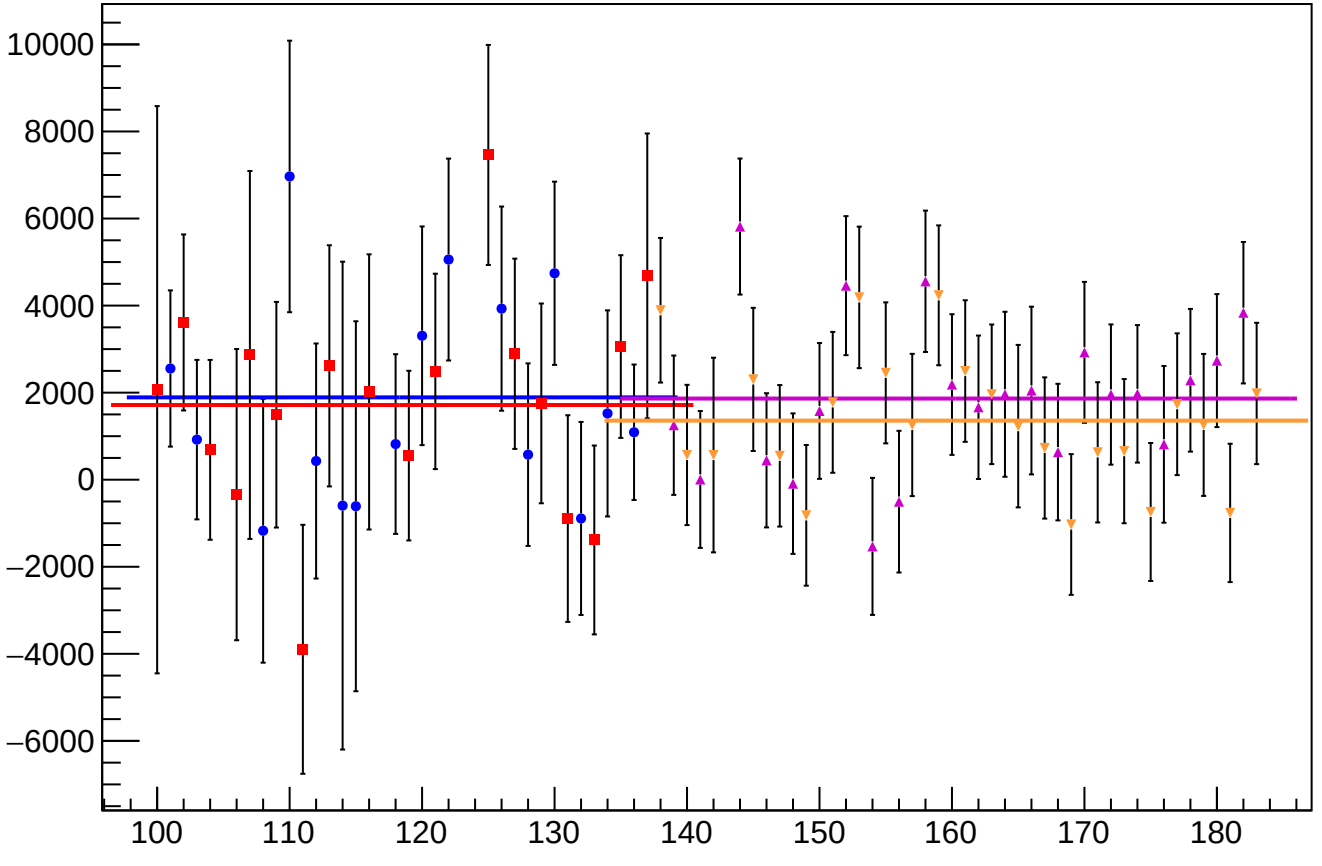
Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:9271784.2/37

Out: 0.000+/-0.000 χ^2/NDF:11077011.6/42

All: 0.000+/-0.000 χ^2/NDF: 20382741.6/80

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1357.576+/-343.506 χ^2/NDF:18.9/22

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: 1608.744+/-243.913 χ^2/NDF: 45.8/44

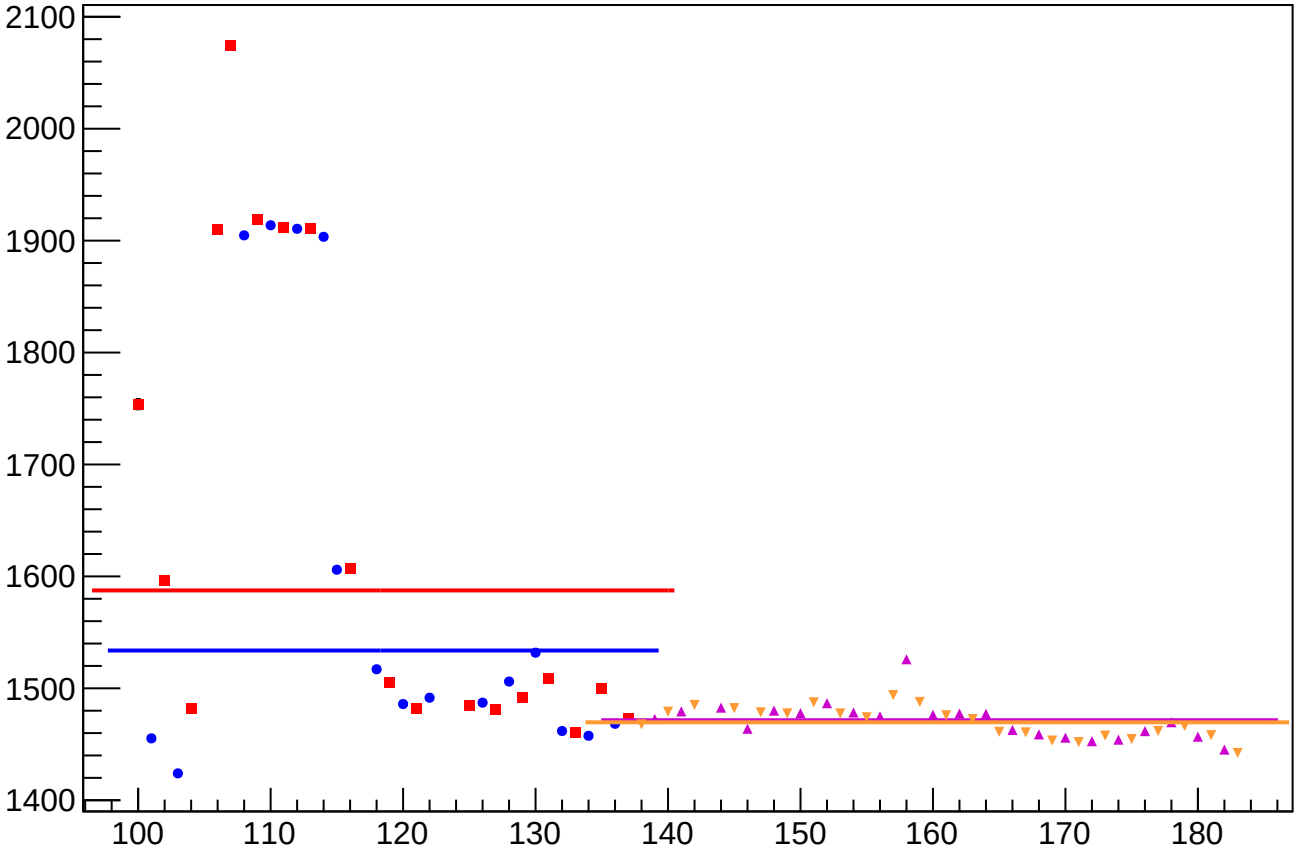
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1871.485+/-296.337 χ^2/NDF:38.0/37

Out: 1448.402+/-296.796 χ^2/NDF:35.2/40

All: 1660.271+/-209.704 χ^2/NDF: 74.2/78

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1469.635+/-0.243 χ^2/NDF:2996.6/22

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: 1470.546+/-0.172 χ^2/NDF: 7493.3/44

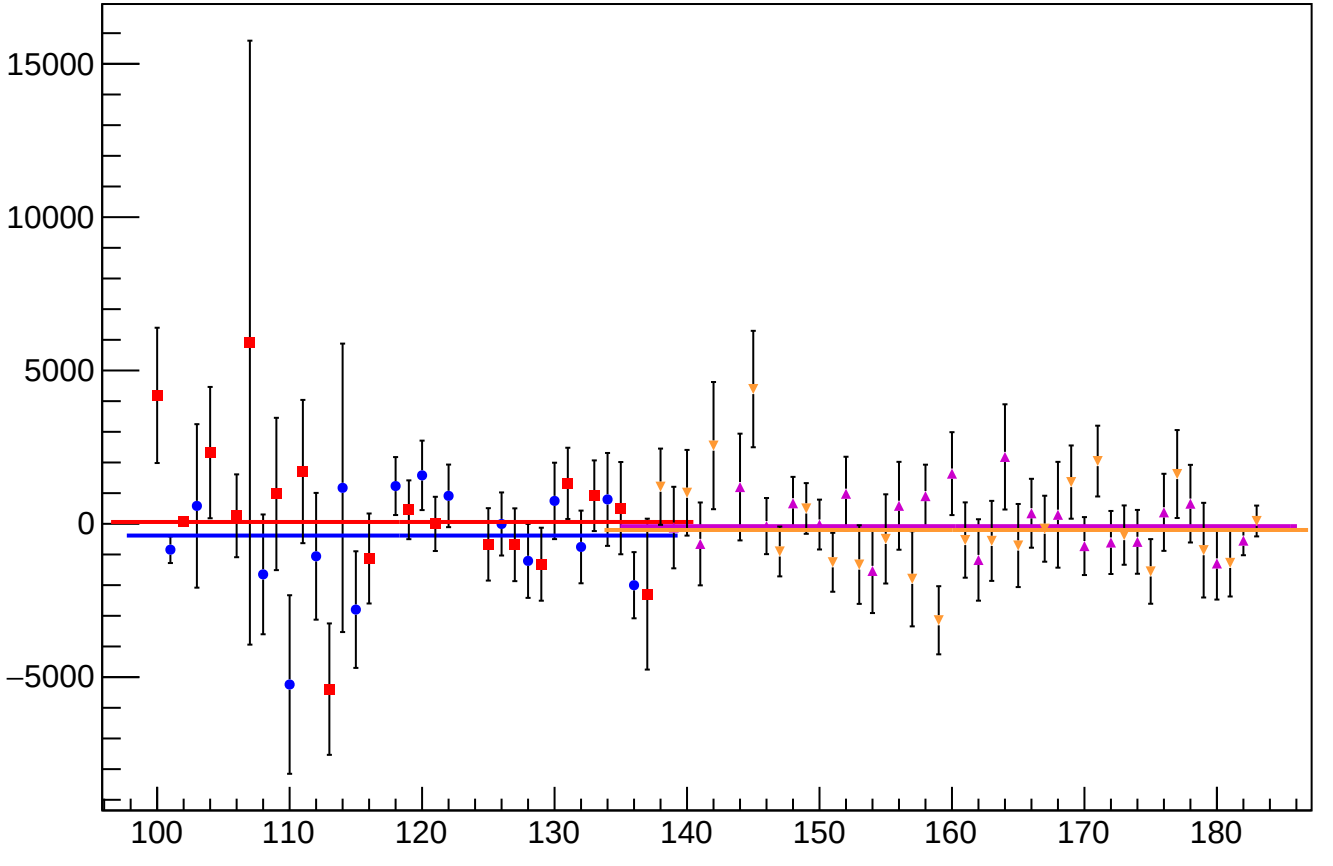
Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1488.179+/-0.210 χ^2/NDF:151087.0/37

Out: 1499.500+/-0.210 χ^2/NDF:234629.5/40

All: 1493.831+/-0.148 χ^2/NDF: 387173.6/78

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: -201.055+/-224.652 χ^2/NDF:31.8/22

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: -138.215+/-158.259 χ^2/NDF: 44.1/44

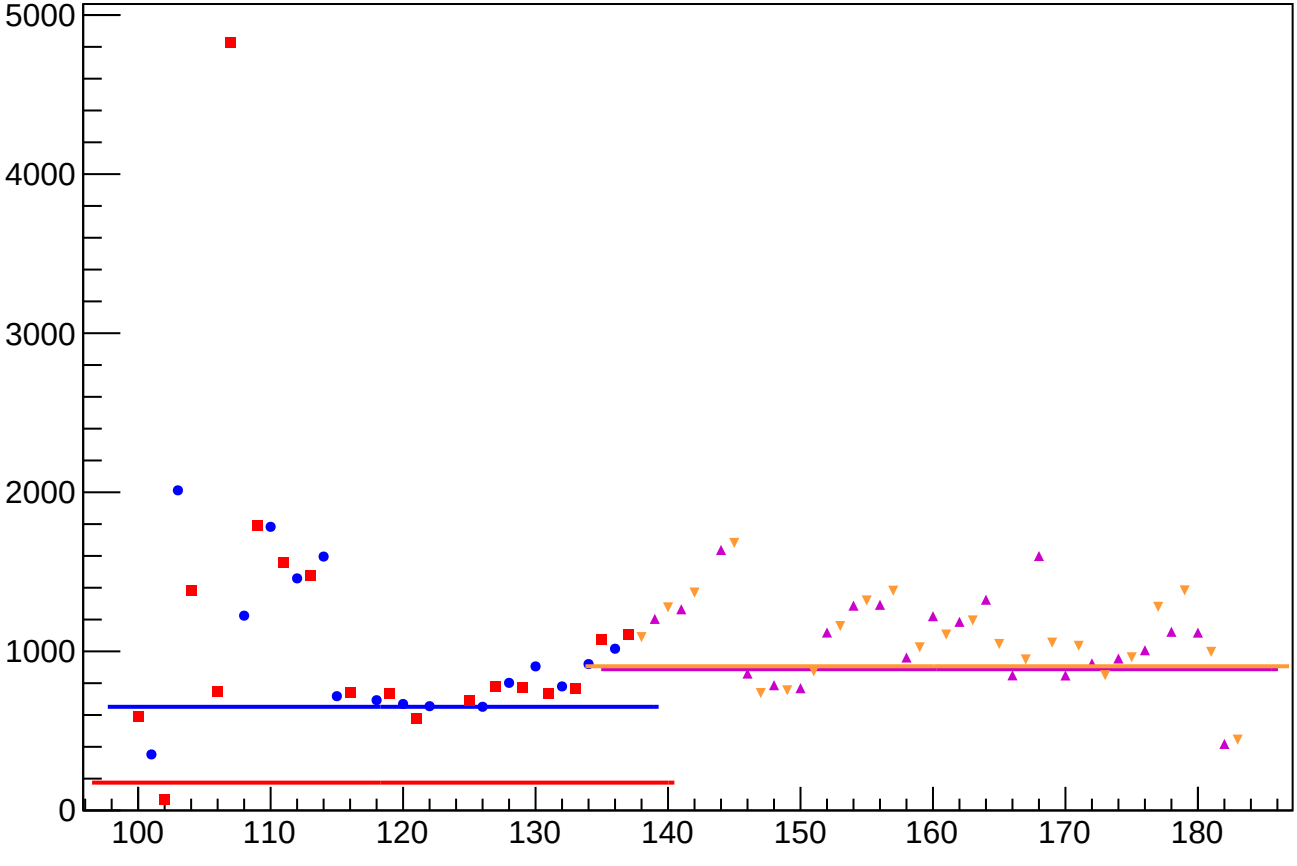
Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -199.377+/-172.495 χ^2/NDF:31.2/37

Out: -3.775+/-111.018 χ^2/NDF:50.6/40

All: -61.066+/-93.354 χ^2/NDF: 82.7/78

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 906.347+/-0.159 χ^2/NDF:3490240.0/22

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 887.963+/-0.158 χ^2/NDF:3941002.0/21

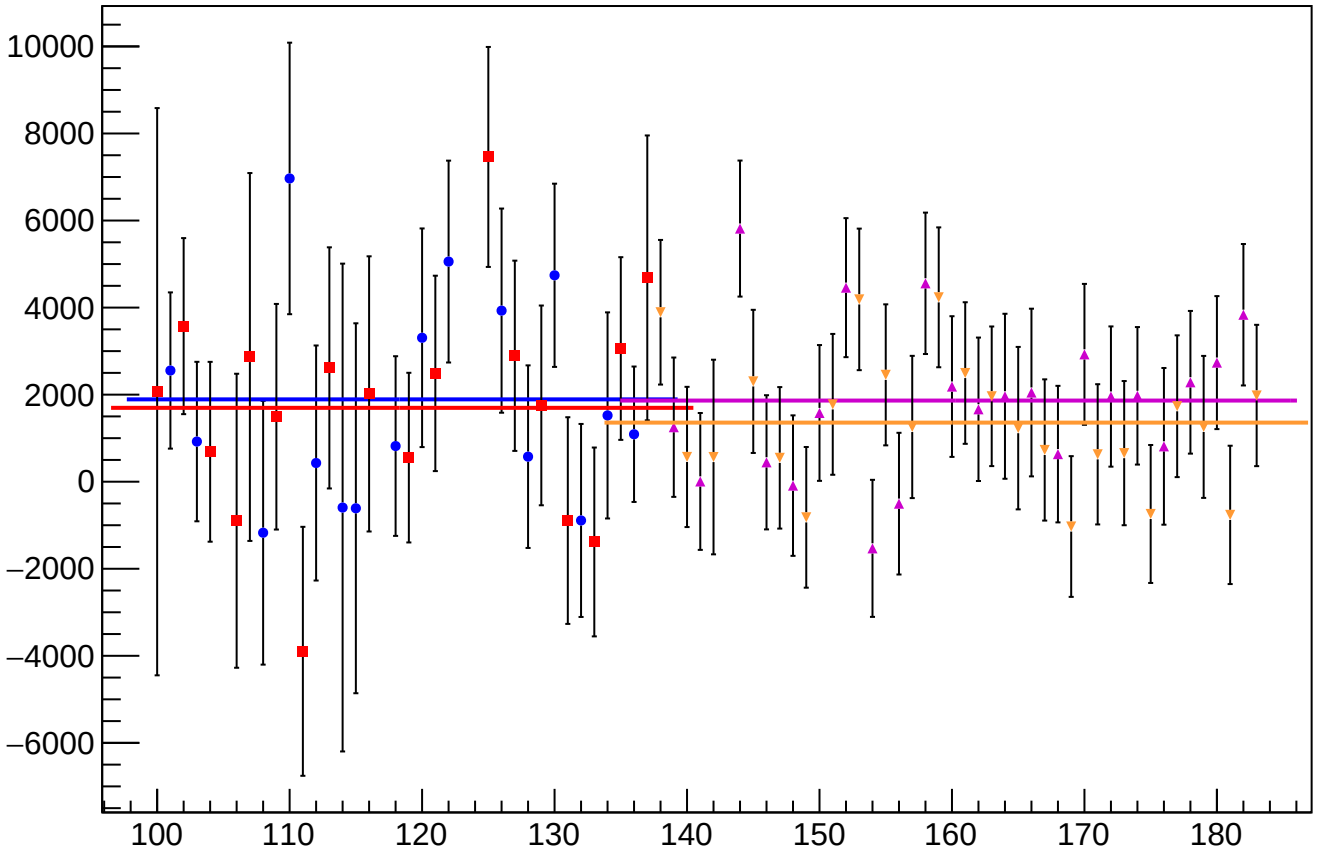
Left: 897.086+/-0.112 χ^2/NDF: 7437988.6/44

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 793.018+/-0.122 χ^2/NDF:7606659.8/37

Out: 353.526+/-0.079 χ^2/NDF:29275738.0/40

All: 482.252+/-0.066 χ^2/NDF: 46062772.5/78



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1357.579+/-343.506 χ^2/NDF:18.9/22

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: 1608.761+/-243.913 χ^2/NDF: 45.8/44

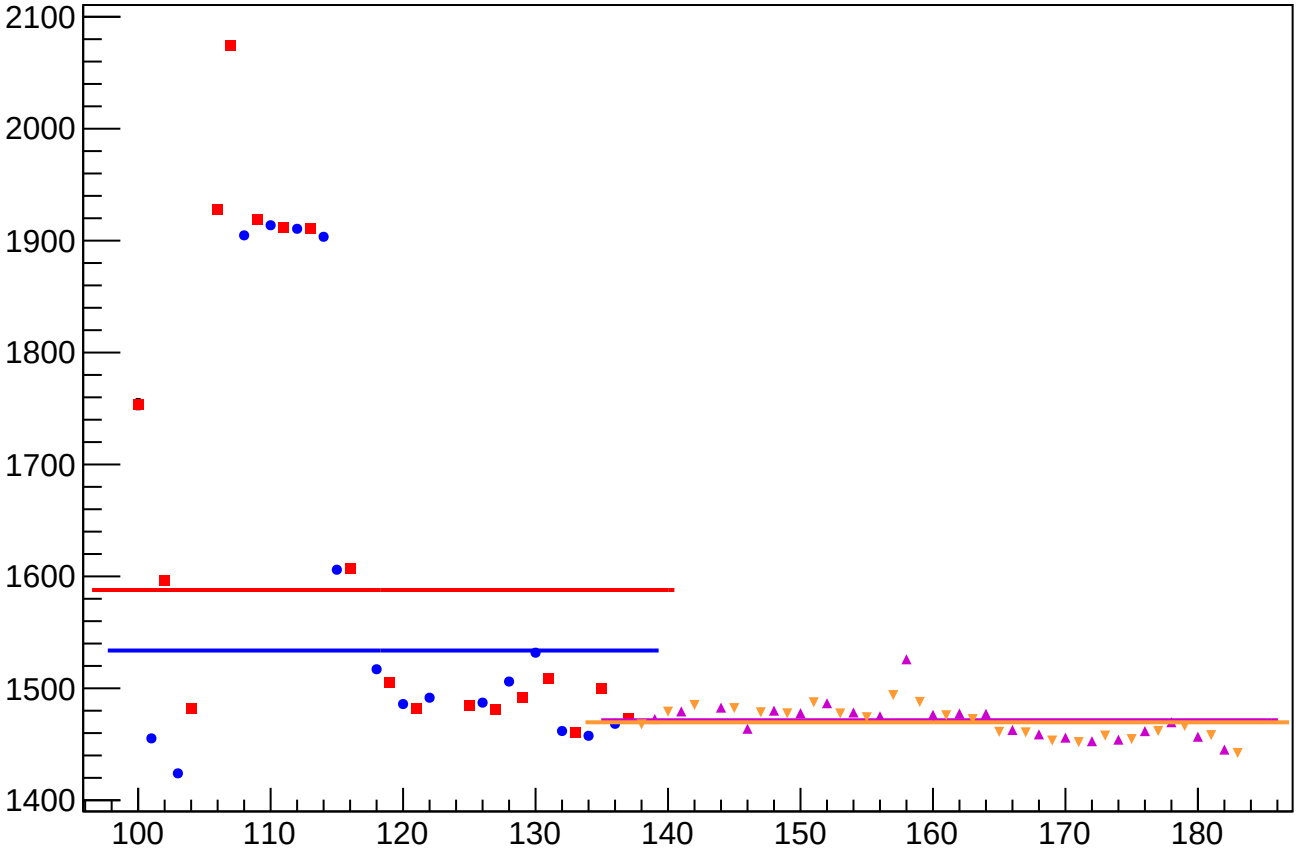
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1871.536+/-296.337 χ^2/NDF:38.0/37

Out: 1443.568+/-296.819 χ^2/NDF:35.3/40

All: 1657.900+/-209.712 χ^2/NDF: 74.4/78

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1469.635+/-0.243 χ^2/NDF:2996.6/22

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1471.473+/-0.245 χ^2/NDF:4468.3/21

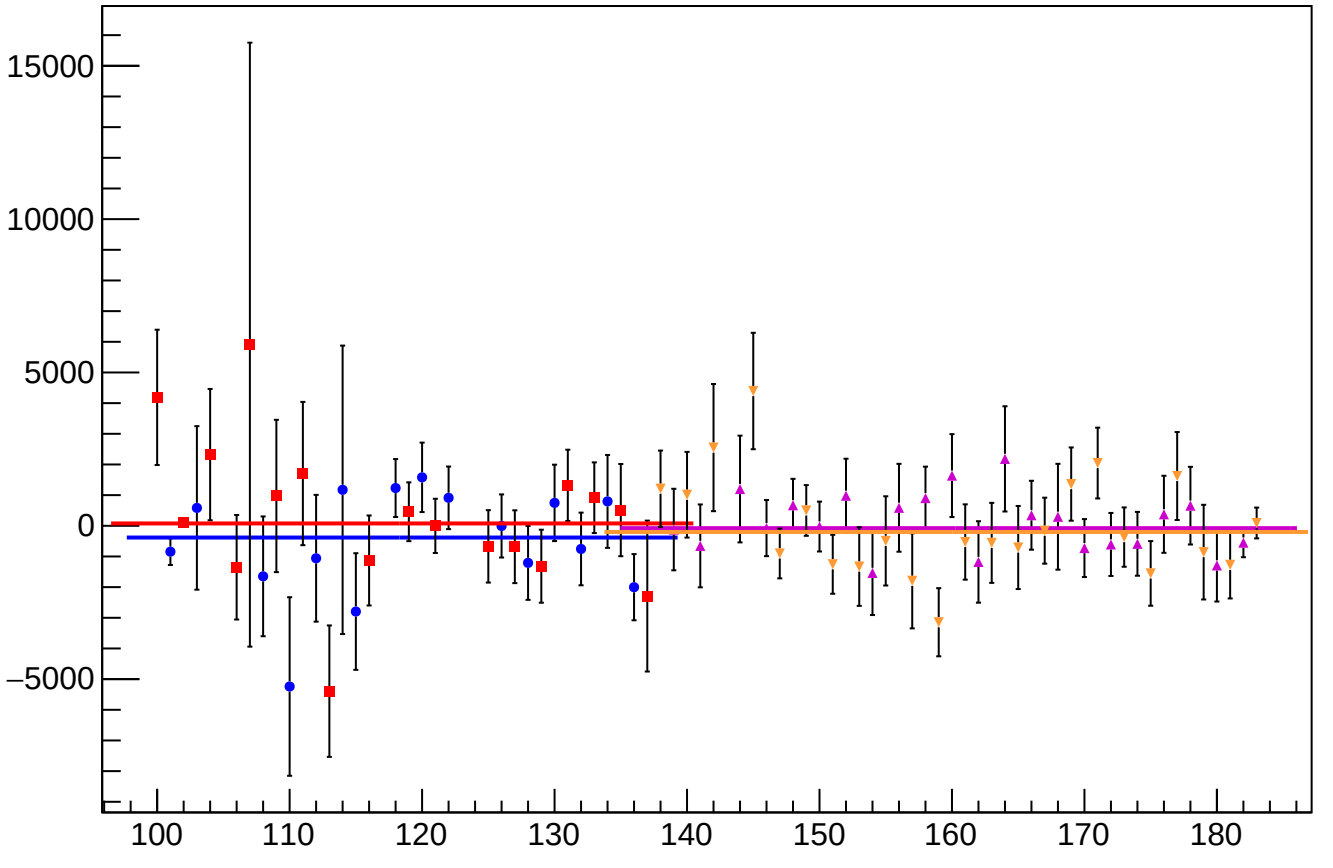
Left: 1470.546+/-0.172 χ^2/NDF: 7493.3/44

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1488.179+/-0.210 χ^2/NDF:151086.9/37

Out: 1499.584+/-0.210 χ^2/NDF:236770.9/40

All: 1493.872+/-0.148 χ^2/NDF: 389336.5/78



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -201.065+/-224.650 χ^2/NDF:31.8/22

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: -138.267+/-158.259 χ^2/NDF: 44.1/44

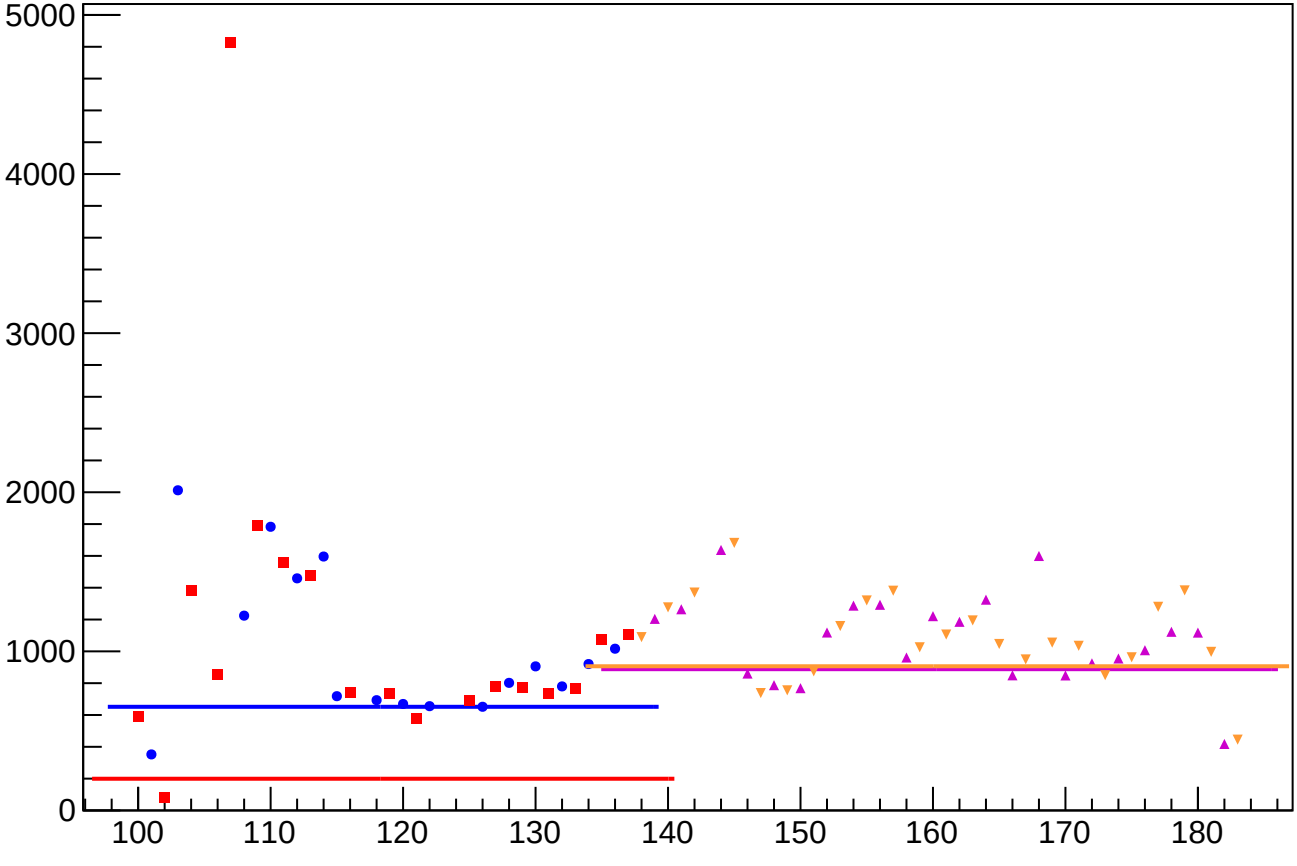
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -199.422+/-172.496 χ^2/NDF:31.2/37

Out: 0.531+/-117.671 χ^2/NDF:51.4/40

All: -62.968+/-97.207 χ^2/NDF: 83.5/78

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 906.338+/-0.159 χ^2/NDF:3490537.6/22

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 887.969+/-0.158 χ^2/NDF:3940926.4/21

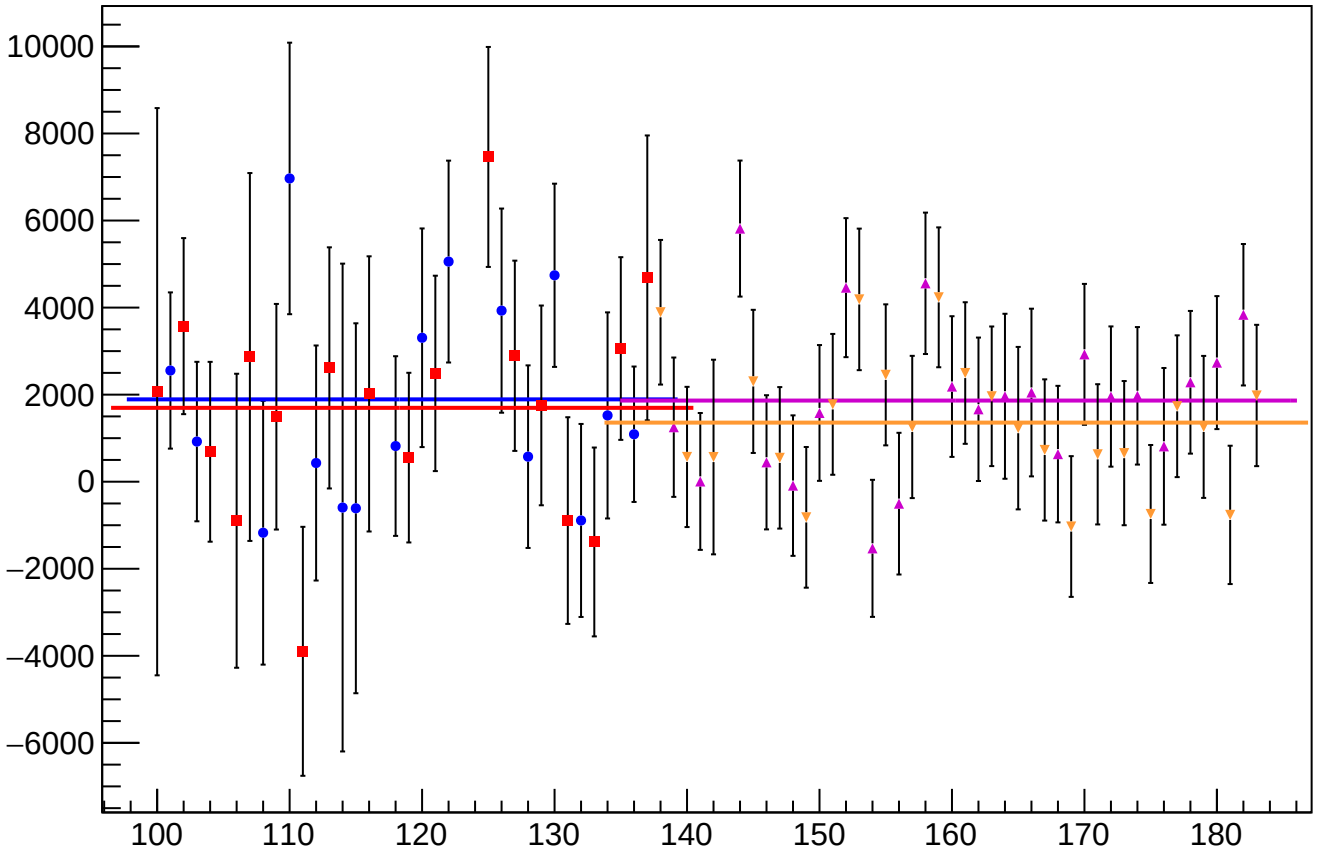
Left: 897.085+/-0.112 χ^2/NDF: 7438199.4/44

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 793.021+/-0.122 χ^2/NDF:7606663.4/37

Out: 393.317+/-0.083 χ^2/NDF:27148958.1/40

All: 520.251+/-0.069 χ^2/NDF: 42083979.2/78



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1357.579+/-343.506 χ^2/NDF:18.9/22

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1864.198+/-346.403 χ^2/NDF:25.8/21

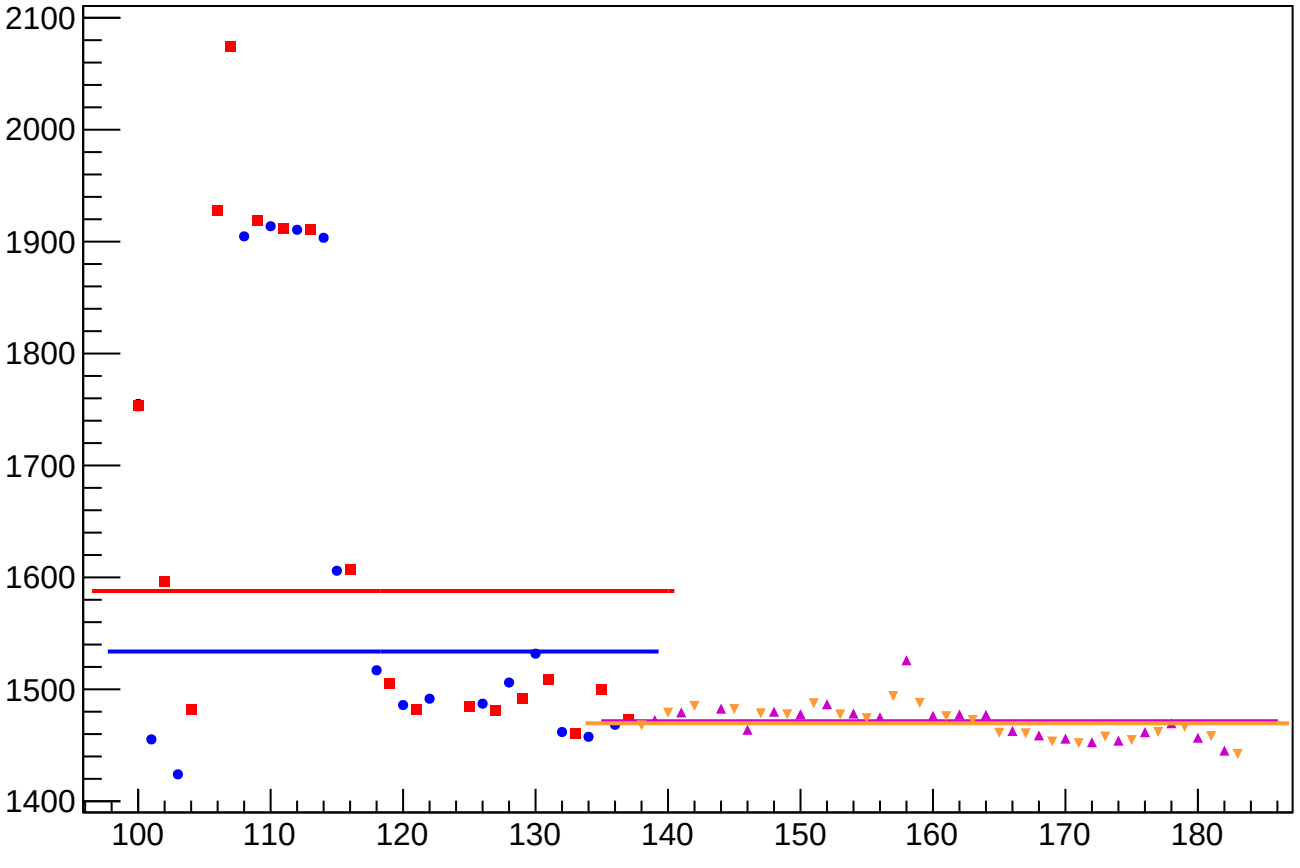
Left: 1608.761+/-243.913 χ^2/NDF: 45.8/44

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1871.536+/-296.337 χ^2/NDF:38.0/37

Out: 1443.568+/-296.819 χ^2/NDF:35.3/40

All: 1657.900+/-209.712 χ^2/NDF: 74.4/78



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1469.635+/-0.243 χ^2/NDF:2996.6/22

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: 1470.546+/-0.172 χ^2/NDF: 7493.3/44

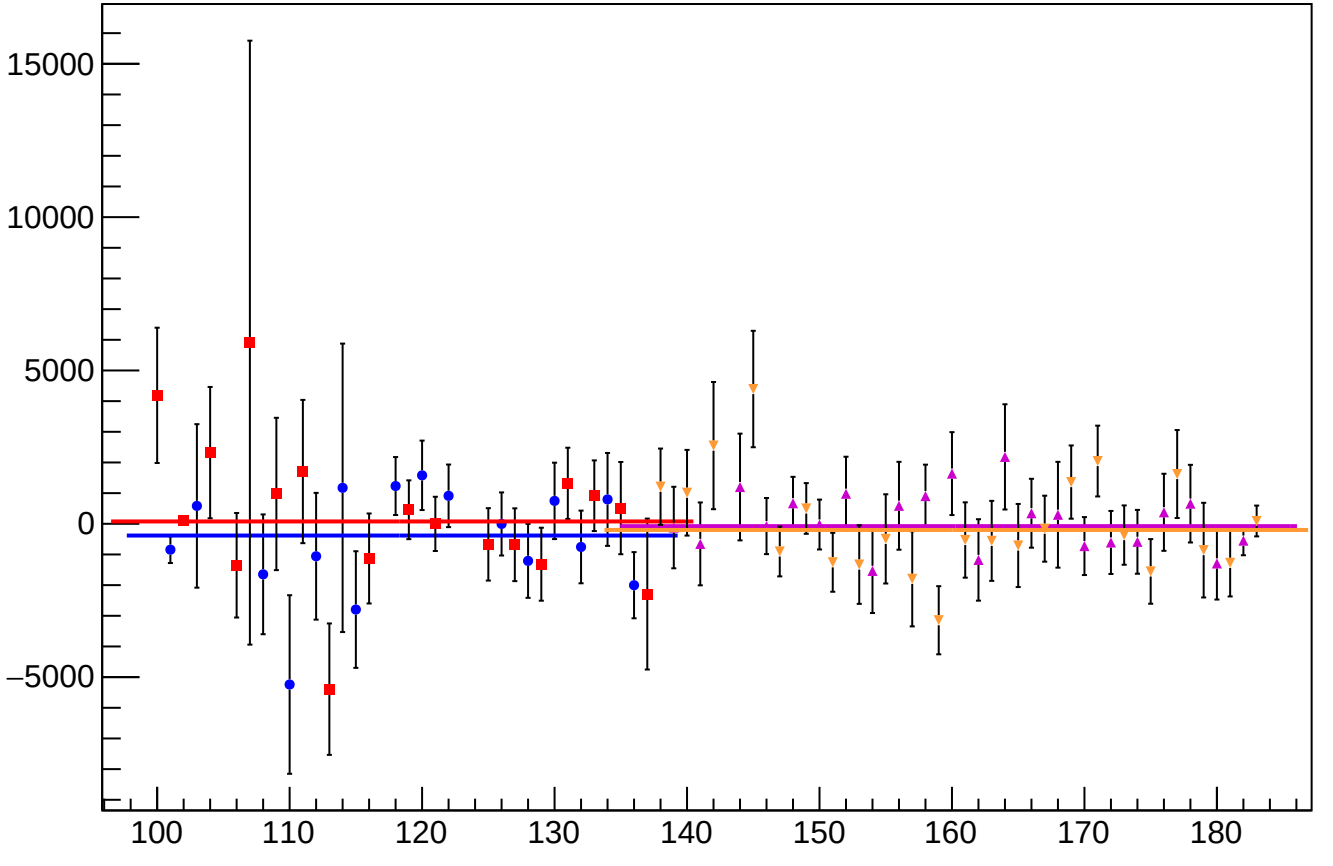
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1488.179+/-0.210 χ^2/NDF:151086.9/37

Out: 1499.584+/-0.210 χ^2/NDF:236770.9/40

All: 1493.872+/-0.148 χ^2/NDF: 389336.5/78

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: -201.065+/-224.650 χ^2/NDF:31.8/22

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: -138.267+/-158.259 χ^2/NDF: 44.1/44

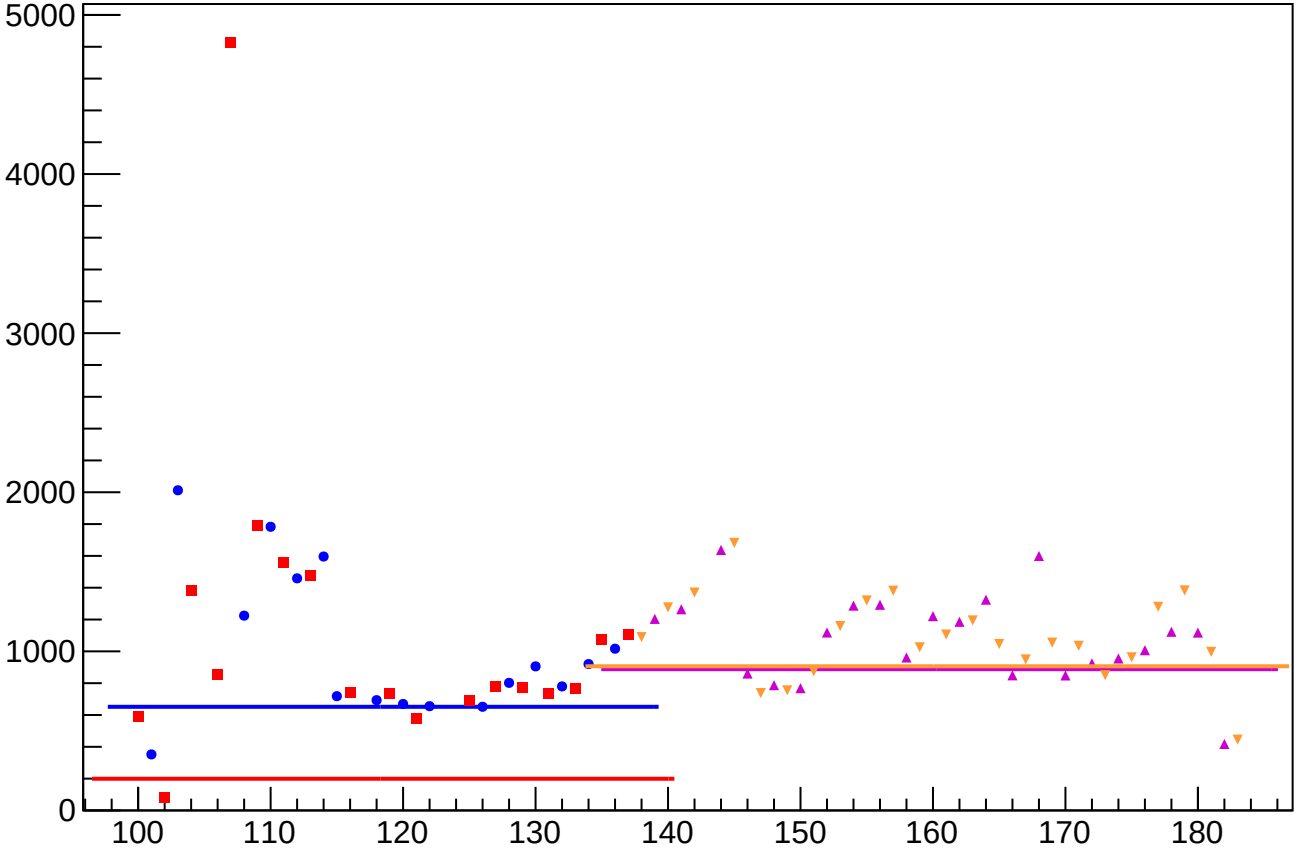
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -199.422+/-172.496 χ^2/NDF:31.2/37

Out: 0.531+/-117.671 χ^2/NDF:51.4/40

All: -62.968+/-97.207 χ^2/NDF: 83.5/78

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: 906.338+/-0.159 χ^2/NDF:3490537.6/22

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 887.969+/-0.158 χ^2/NDF:3940926.4/21

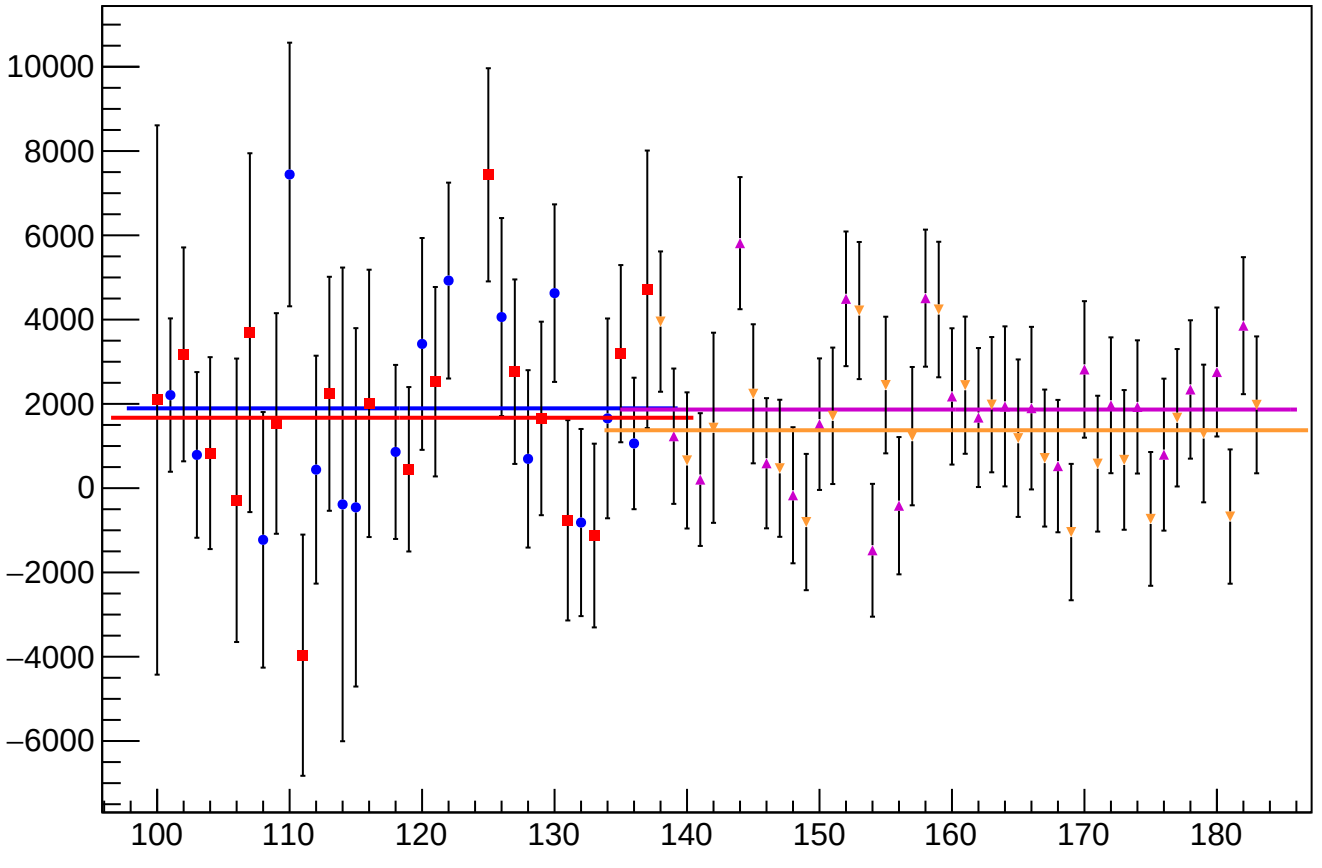
Left: 897.085+/-0.112 χ^2/NDF: 7438199.4/44

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 793.021+/-0.122 χ^2/NDF:7606663.4/37

Out: 393.317+/-0.083 χ^2/NDF:27148958.1/40

All: 520.251+/-0.069 χ^2/NDF: 42083979.2/78



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1374.138+/-344.072 χ^2/NDF:18.7/22

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1865.878+/-346.881 χ^2/NDF:25.1/21

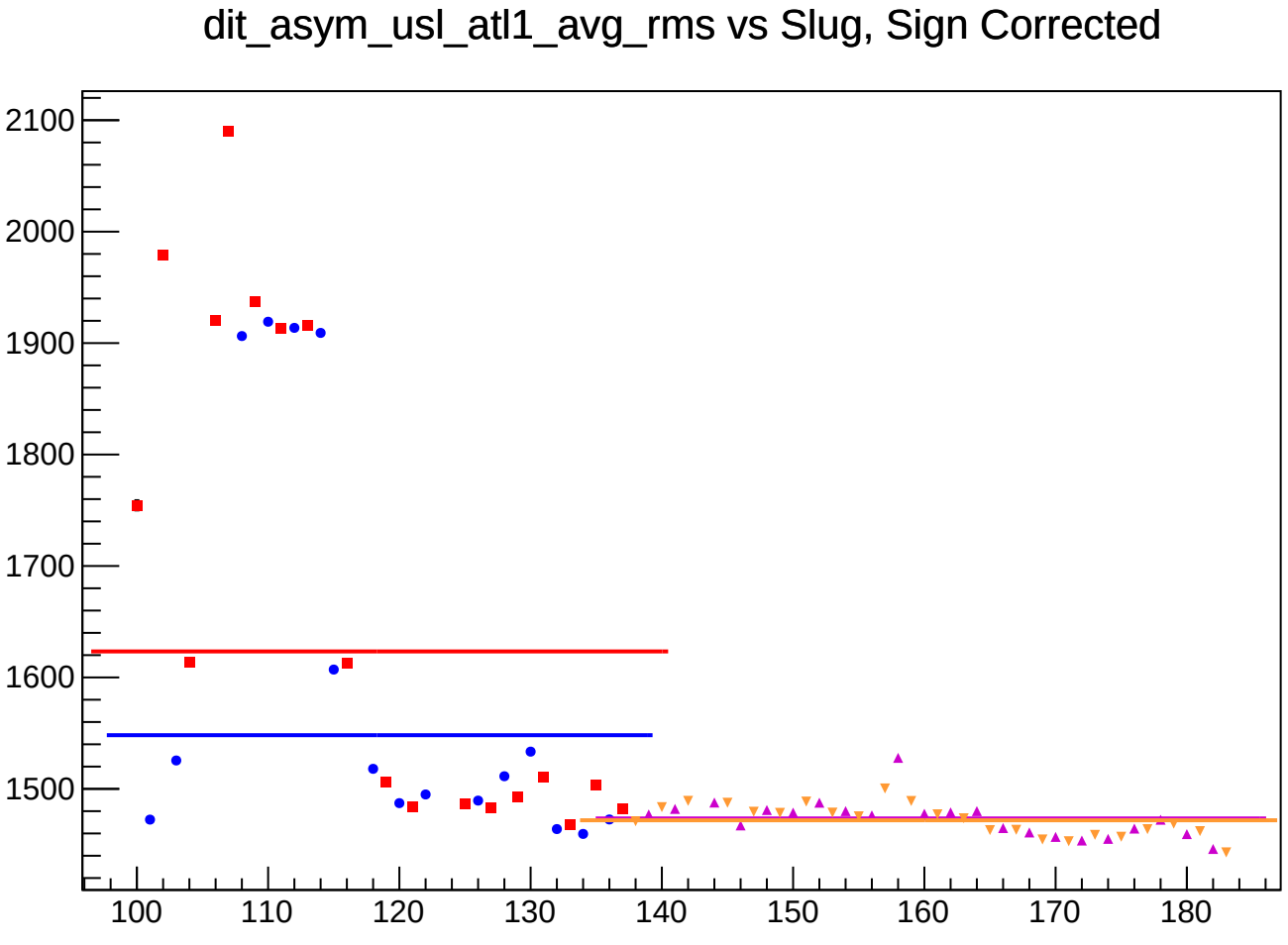
Left: 1618.009+/-244.283 χ^2/NDF: 44.8/44

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

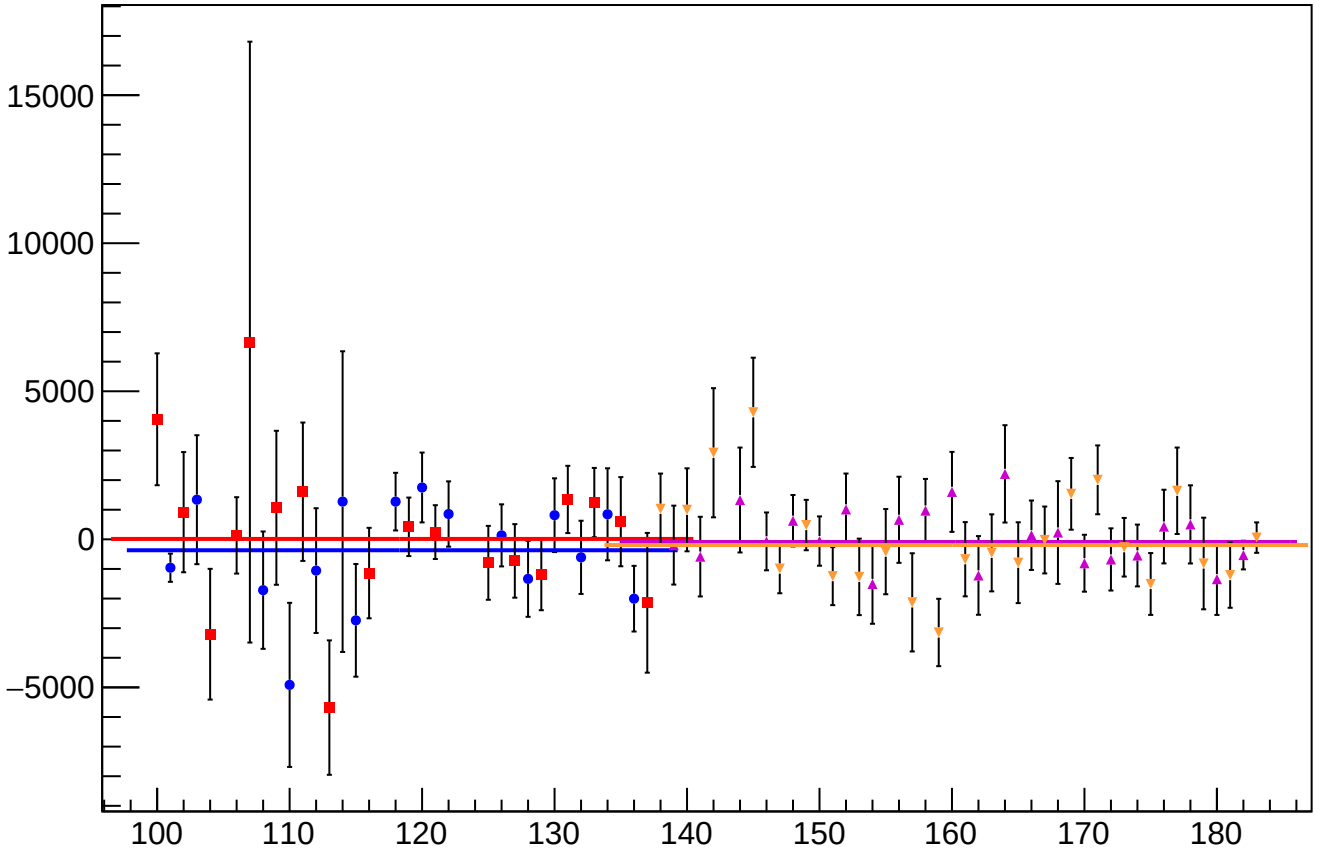
In: 1873.377+/-297.379 χ^2/NDF:37.4/37

Out: 1446.702+/-299.068 χ^2/NDF:33.9/40

All: 1661.247+/-210.873 χ^2/NDF: 72.3/78


dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected
2100
2000
1900
1800
1700
1600
1500
100
110
120
130
140
150
160
170
180
Right In: 1548.174+/-0.408 χ²/NDF: 119905.3/15
Left Out: 1471.824+/-0.243 χ²/NDF:3262.2/22
Right Out: 1623.331+/-0.428 χ²/NDF: 211534.0/17
Left In: 1473.488+/-0.245 χ²/NDF:4560.8/21
Left: 1472.649+/-0.173 χ²/NDF: 7846.2/44
Right: 1584.024+/-0.295 χ²/NDF: 347589.8/33
In: 1493.283+/-0.210 χ²/NDF:149039.9/37
Out: 1508.866+/-0.211 χ²/NDF:309606.6/40
All: 1501.030+/-0.149 χ²/NDF: 461376.8/78

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: -193.309+/-228.176 χ^2/NDF:31.7/22

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: -89.508+/-226.693 χ^2/NDF:12.3/21

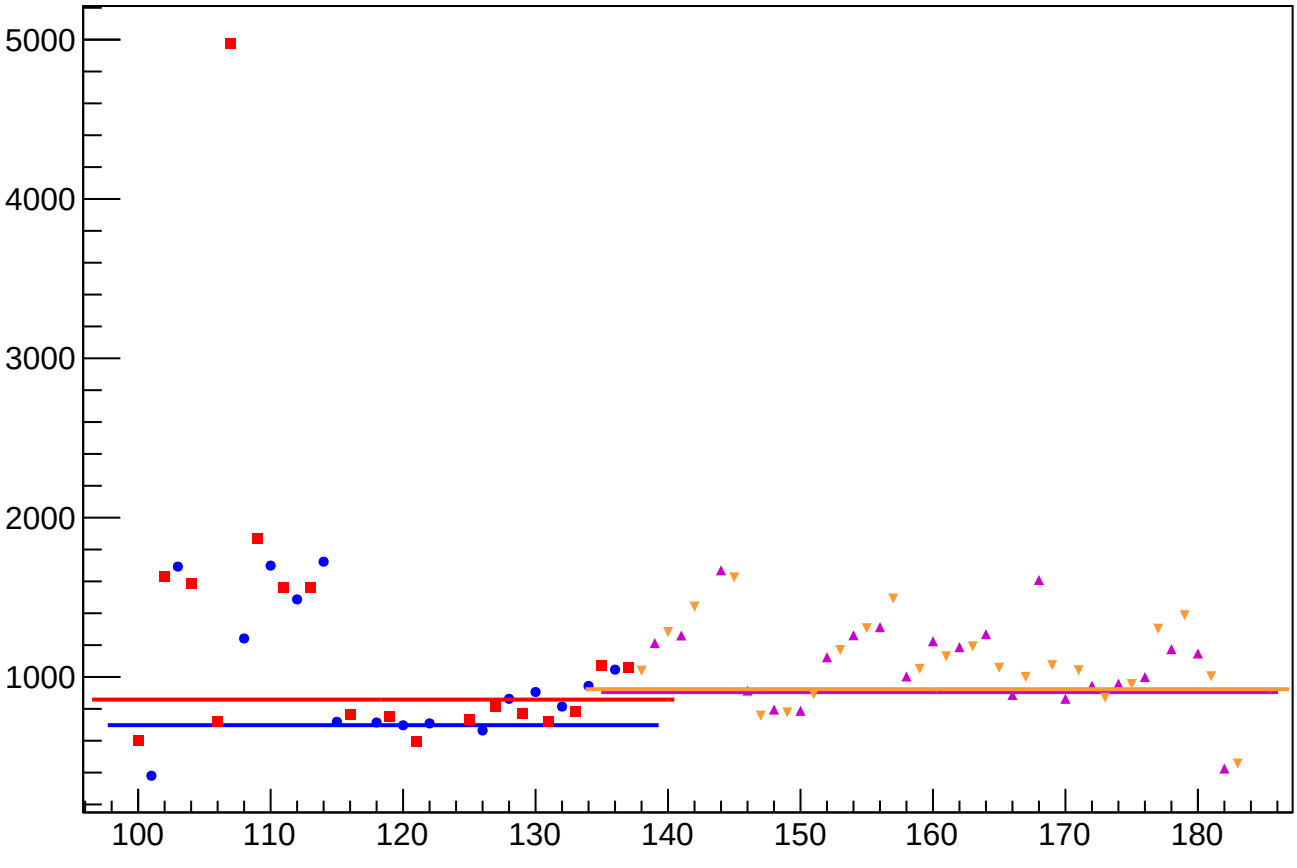
Left: -141.070+/-160.818 χ^2/NDF: 44.1/44

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -196.971+/-177.792 χ^2/NDF:31.8/37

Out: -129.425+/-189.735 χ^2/NDF:51.0/40

All: -165.391+/-129.735 χ^2/NDF: 82.9/78



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 923.330+/-0.161 χ^2/NDF:3374554.7/22

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 905.132+/-0.160 χ^2/NDF:3852203.2/21

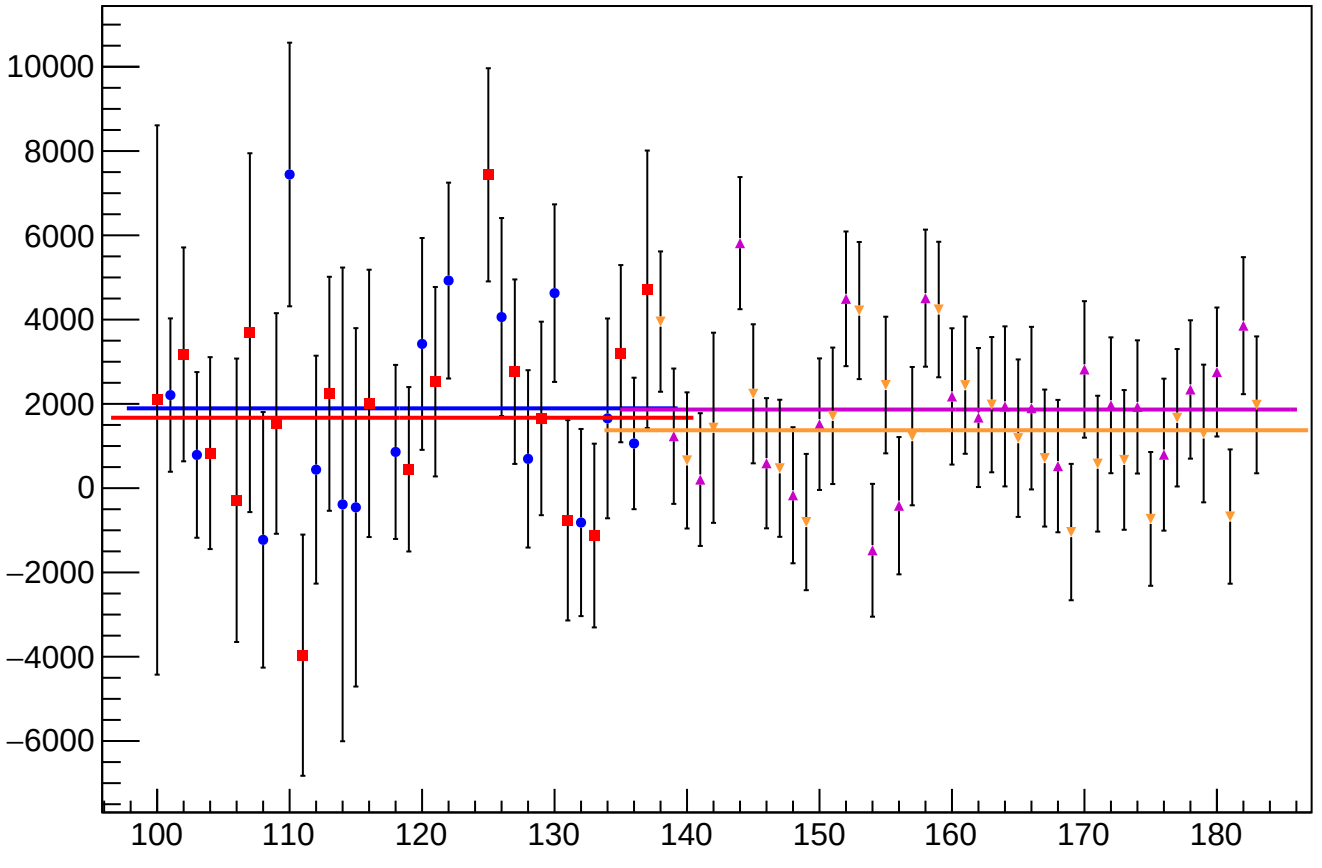
Left: 914.172+/-0.114 χ^2/NDF: 7233160.2/44

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 825.222+/-0.126 χ^2/NDF:6933483.5/37

Out: 903.201+/-0.134 χ^2/NDF:5307160.9/40

All: 861.680+/-0.092 χ^2/NDF: 12420526.2/78



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1374.137+/-344.072 χ^2/NDF:18.7/22

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1865.879+/-346.881 χ^2/NDF:25.1/21

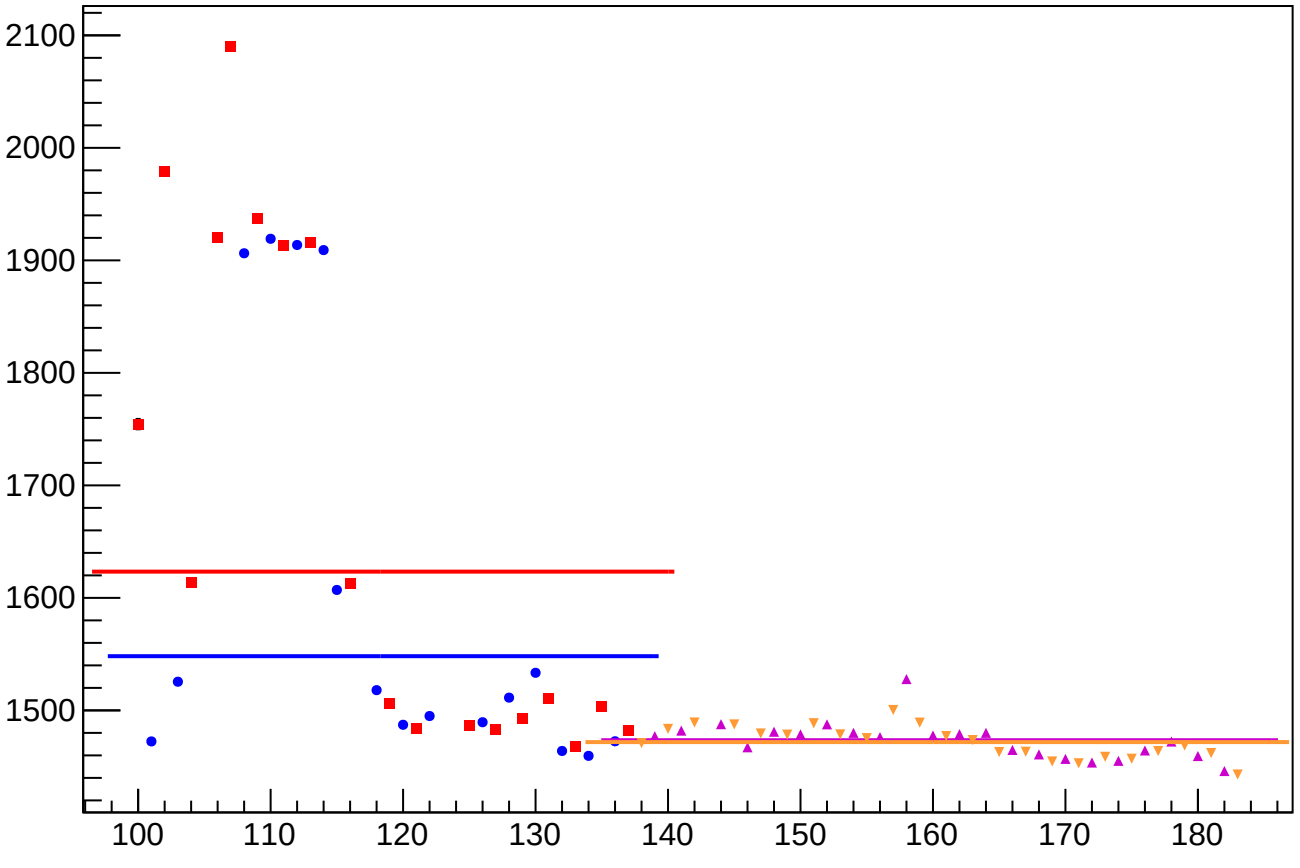
Left: 1618.009+/-244.283 χ^2/NDF: 44.8/44

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1873.377+/-297.379 χ^2/NDF:37.4/37

Out: 1446.700+/-299.068 χ^2/NDF:33.9/40

All: 1661.246+/-210.873 χ^2/NDF: 72.3/78



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1471.824+/-0.243 χ^2/NDF:3262.2/22

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1473.488+/-0.245 χ^2/NDF:4560.8/21

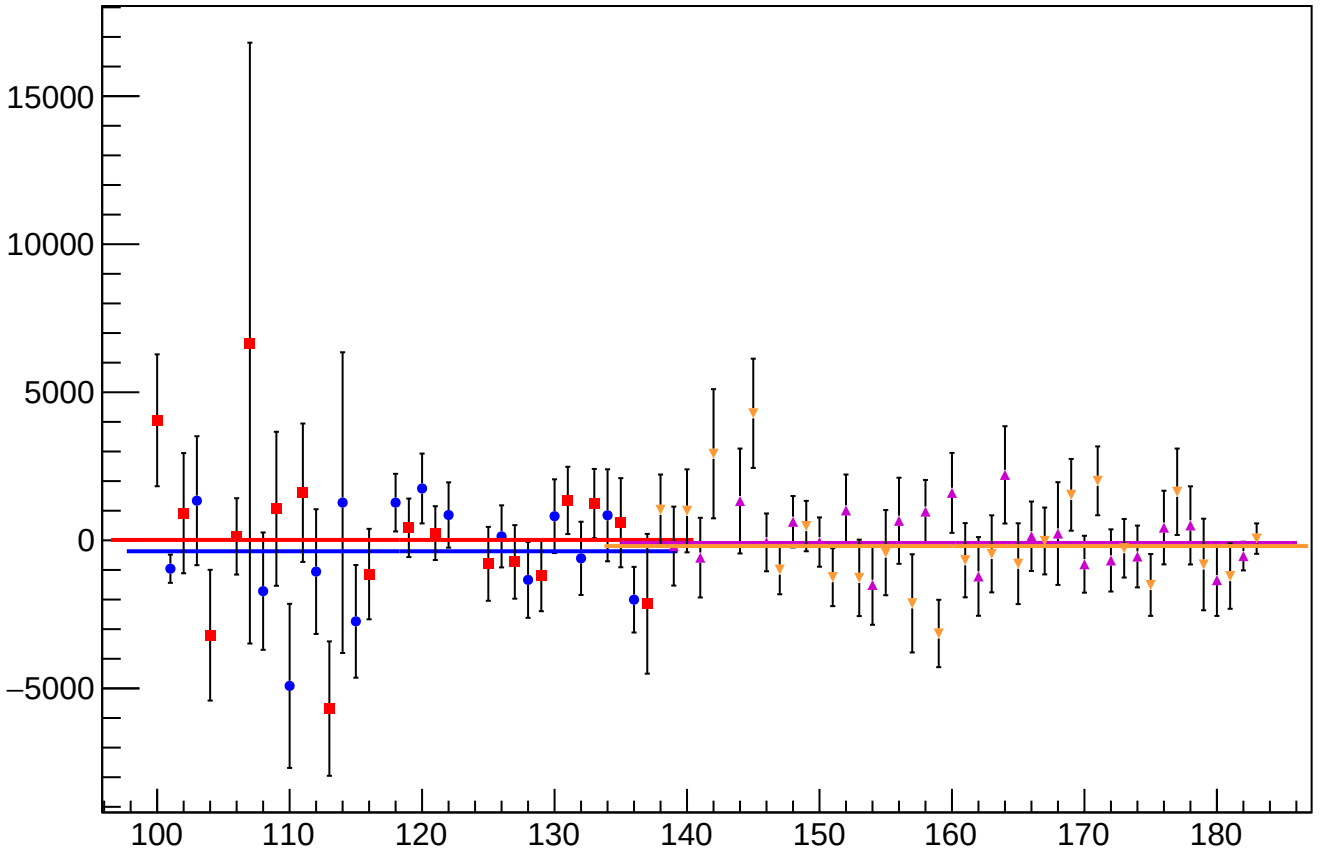
Left: 1472.649+/-0.173 χ^2/NDF: 7846.2/44

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1493.283+/-0.210 χ^2/NDF:149039.8/37

Out: 1508.866+/-0.211 χ^2/NDF:309606.1/40

All: 1501.030+/-0.149 χ^2/NDF: 461376.2/78



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -193.310+/-228.177 χ^2/NDF:31.7/22

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: -141.071+/-160.818 χ^2/NDF: 44.1/44

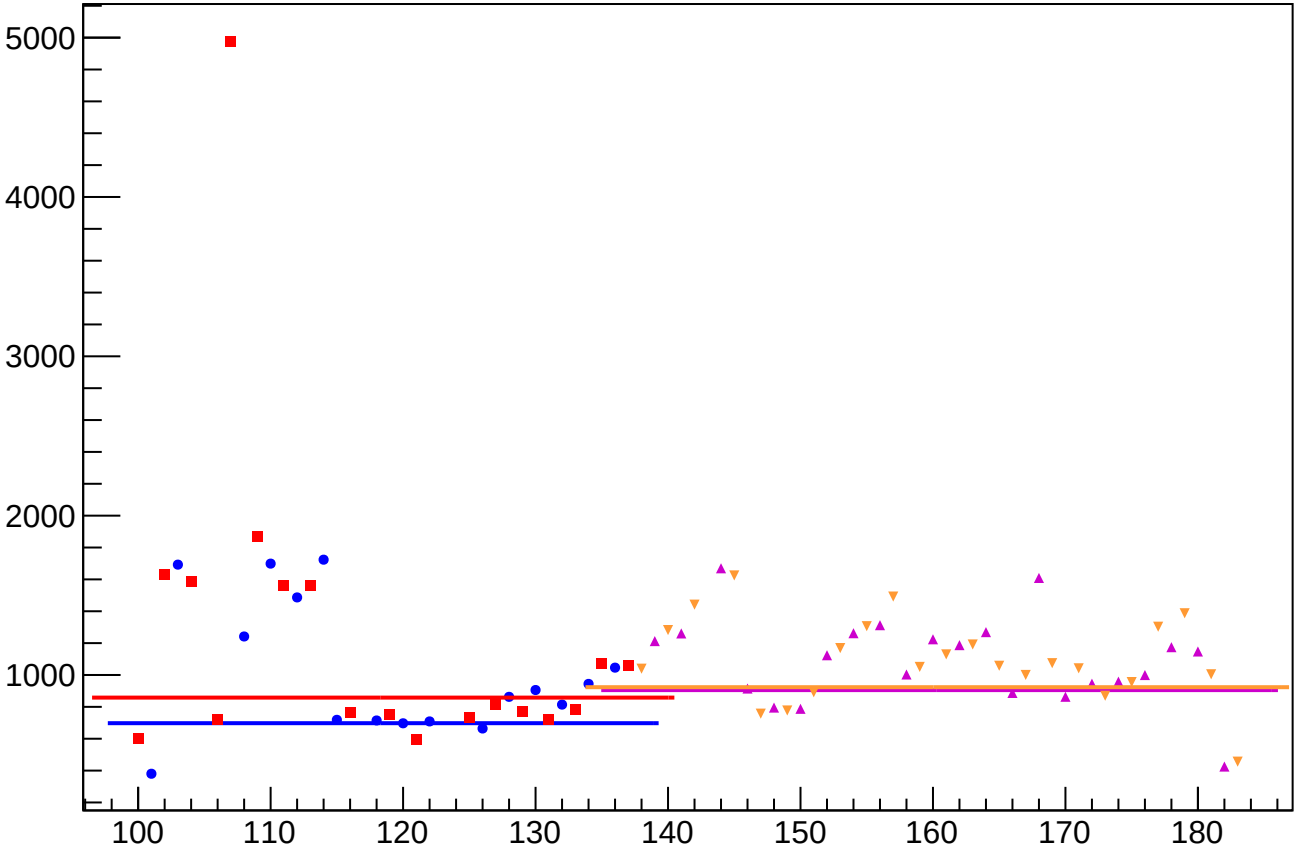
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -196.971+/-177.792 χ^2/NDF:31.8/37

Out: -129.426+/-189.735 χ^2/NDF:51.0/40

All: -165.391+/-129.735 χ^2/NDF: 82.9/78

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 923.331+/-0.161 χ^2/NDF:3374561.5/22

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 905.133+/-0.160 χ^2/NDF:3852208.5/21

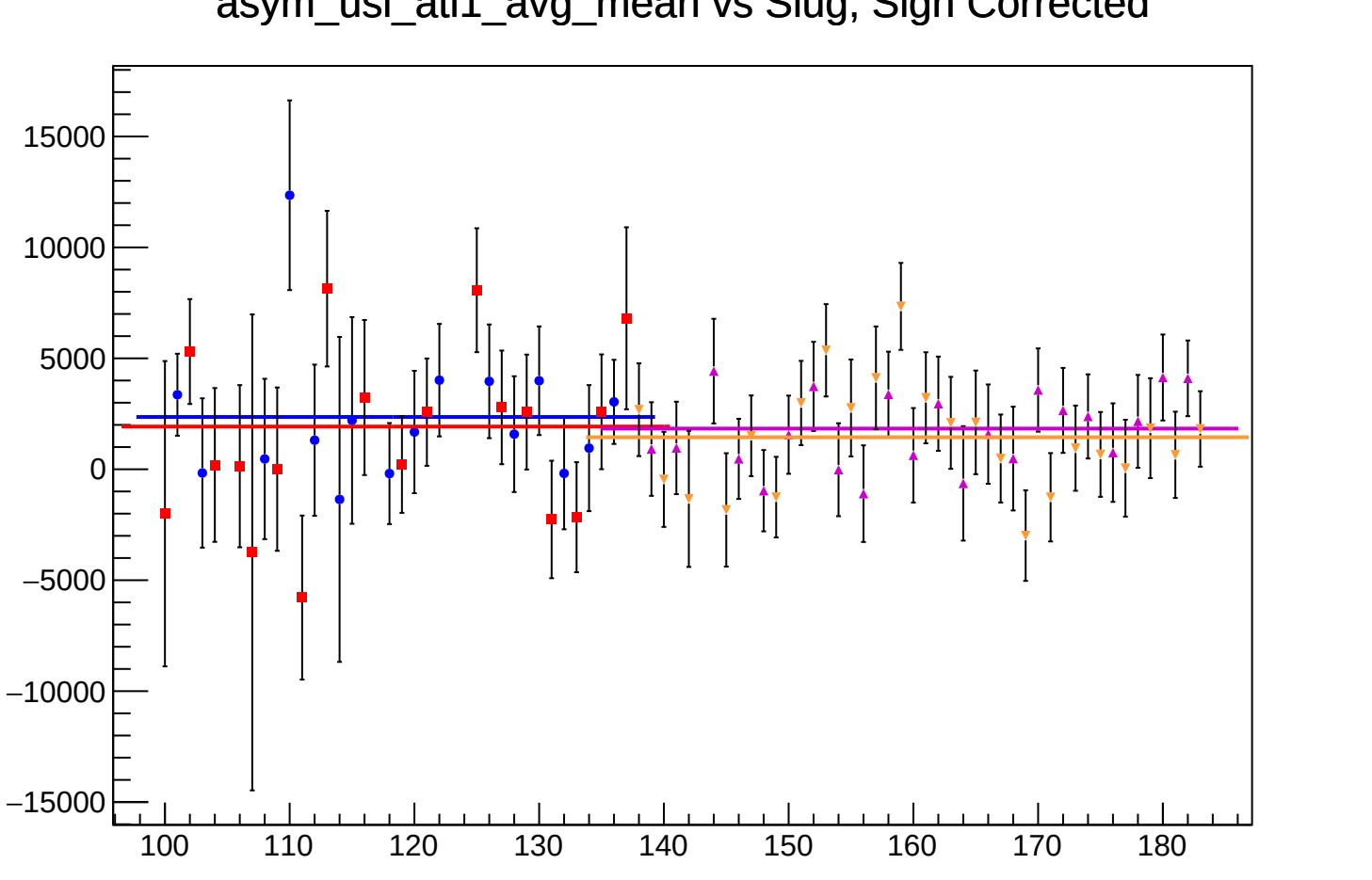
Left: 914.173+/-0.114 χ^2/NDF: 7233172.2/44

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 825.222+/-0.126 χ^2/NDF:6933487.4/37

Out: 903.202+/-0.134 χ^2/NDF:5307181.3/40

All: 861.681+/-0.092 χ^2/NDF: 12420548.5/78



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1441.496+/-428.819 χ^2/NDF:29.4/22

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: 1636.013+/-304.181 χ^2/NDF: 44.9/44

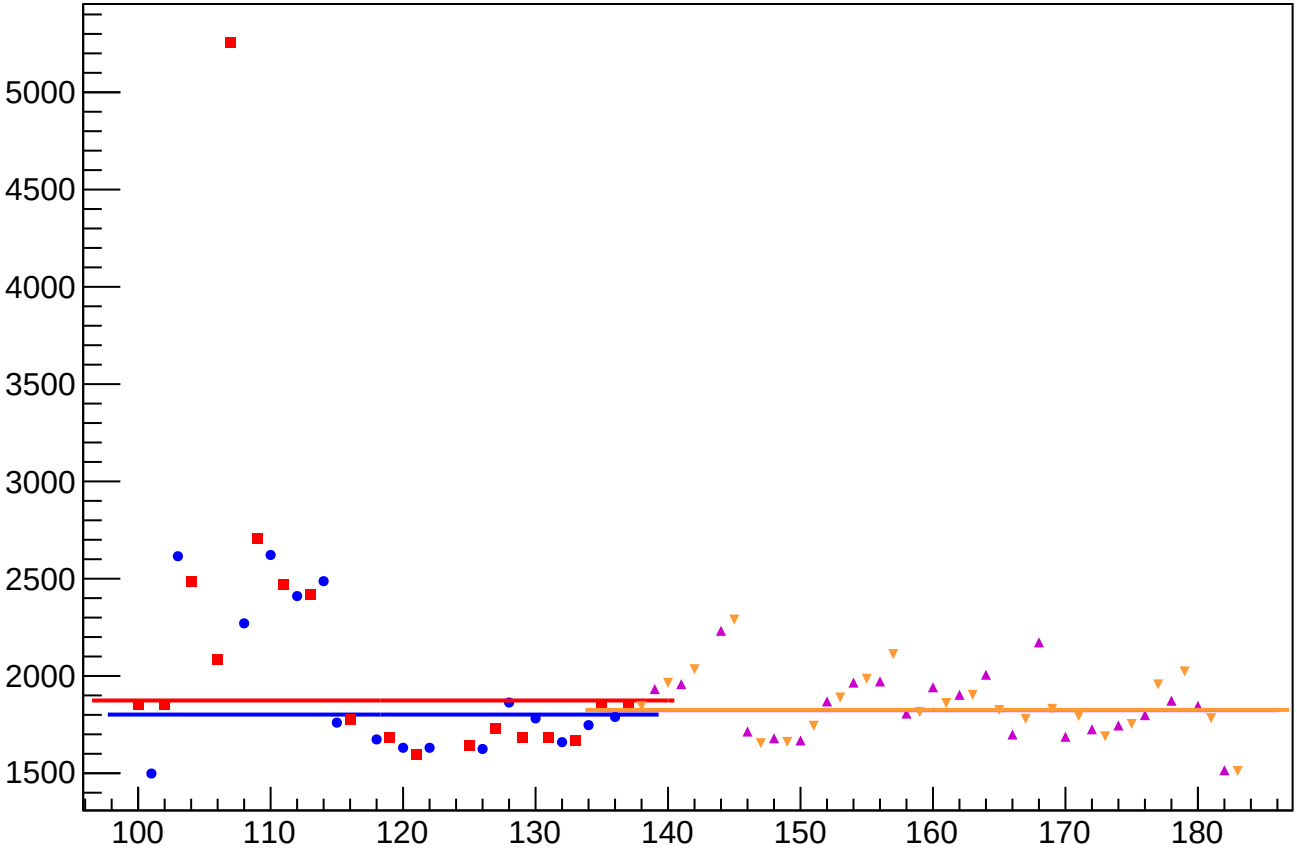
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1983.793+/-364.204 χ^2/NDF:26.5/37

Out: 1571.535+/-366.621 χ^2/NDF:53.2/40

All: 1779.028+/-258.382 χ^2/NDF: 80.3/78

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1825.569+/-0.303 χ^2/NDF:274640.4/22

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1824.167+/-0.305 χ^2/NDF:284395.1/21

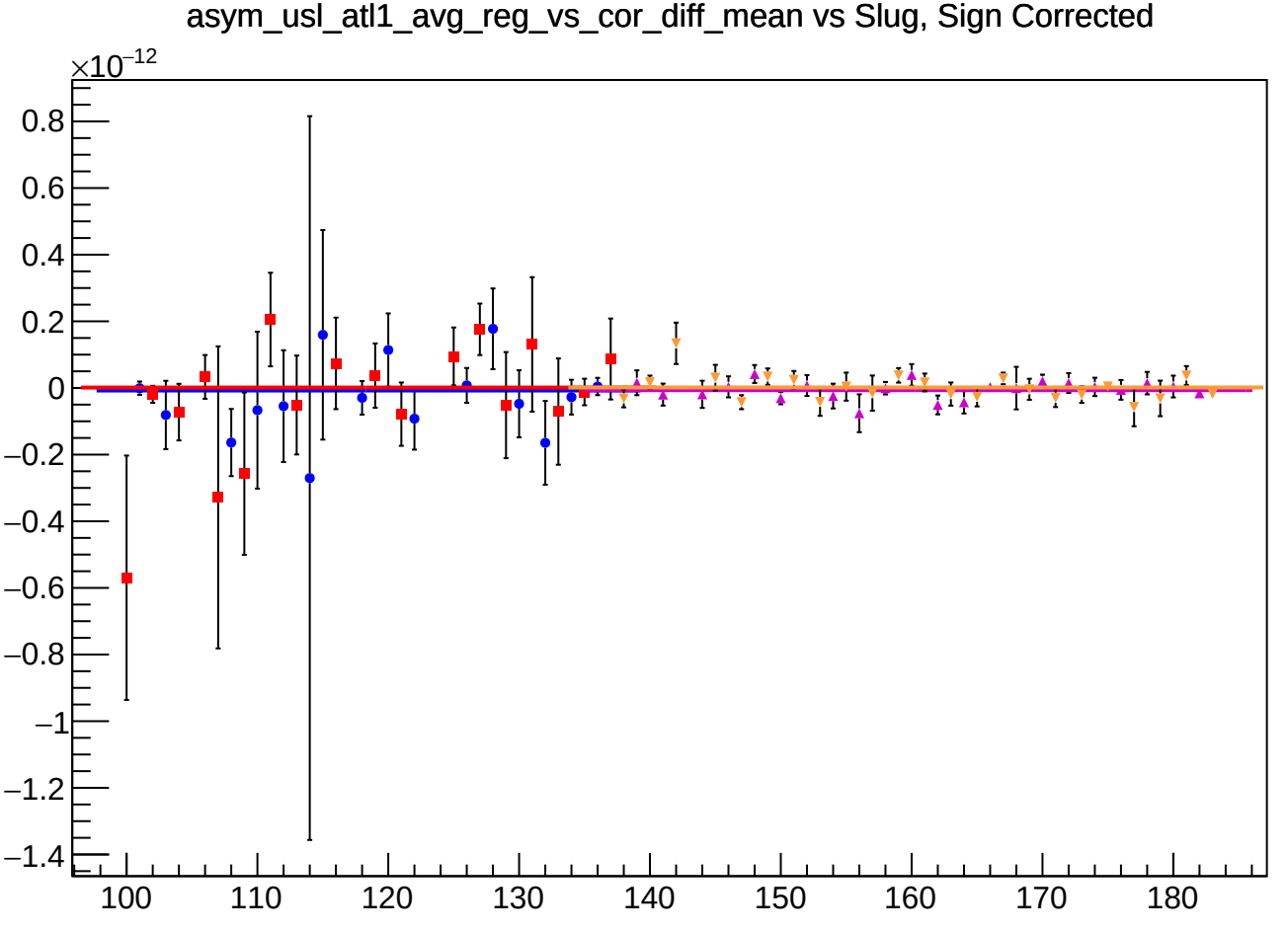
Left: 1824.872+/-0.215 χ^2/NDF: 559046.1/44

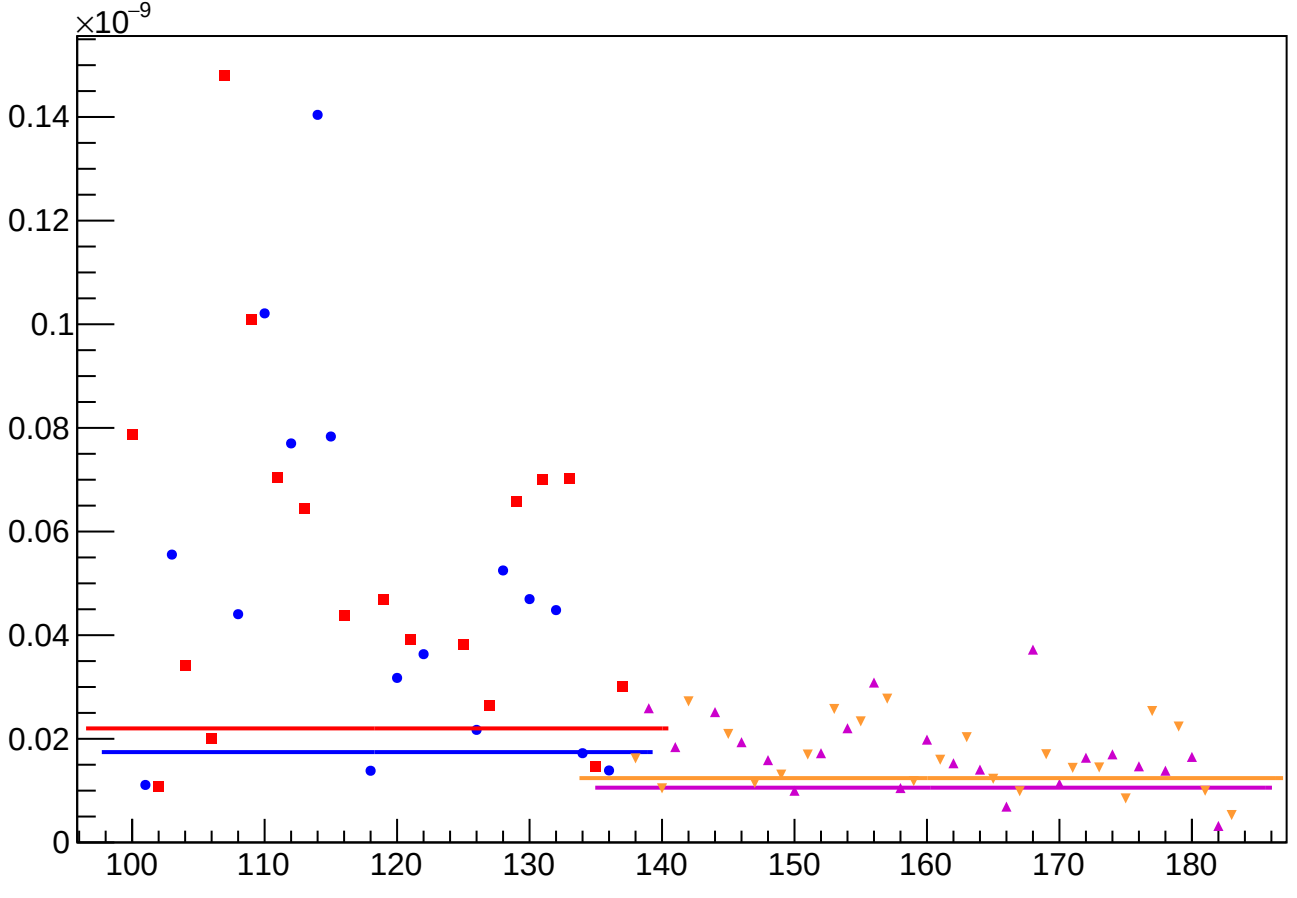
Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1817.653+/-0.258 χ^2/NDF:686681.3/37

Out: 1838.593+/-0.259 χ^2/NDF:851406.3/40

All: 1828.054+/-0.183 χ^2/NDF: 1541371.7/78


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:28.8/22
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: 47.9/44
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:45.5/40
All: -0.000+/-0.000 χ²/NDF: 75.0/78



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1887907.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:3983607.7/21

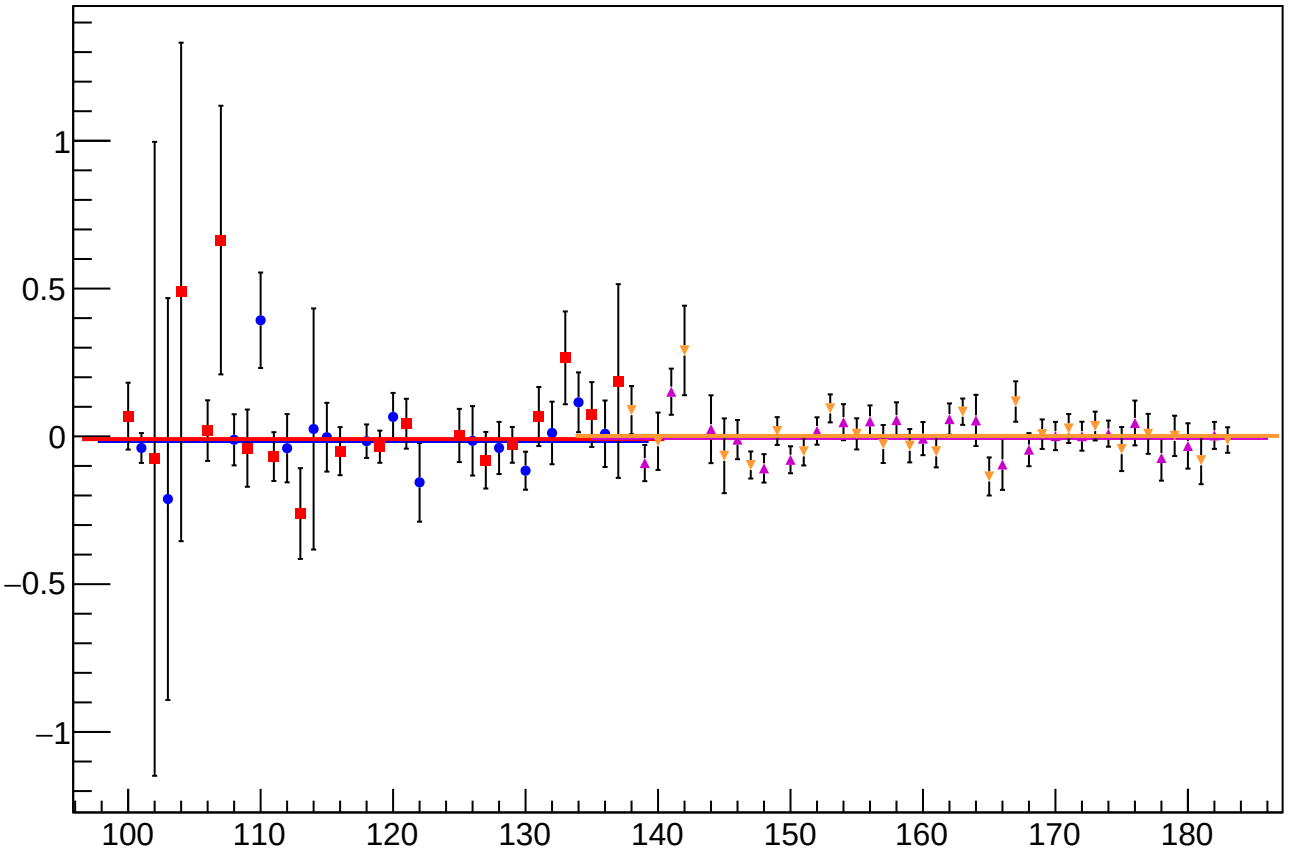
Left: 0.000+/-0.000 χ^2/NDF: 6002475.4/44

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:4557082.6/40

All: 0.000+/-0.000 χ^2/NDF: 11007607.2/78



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/22

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.012 χ^2/NDF:21.4/21

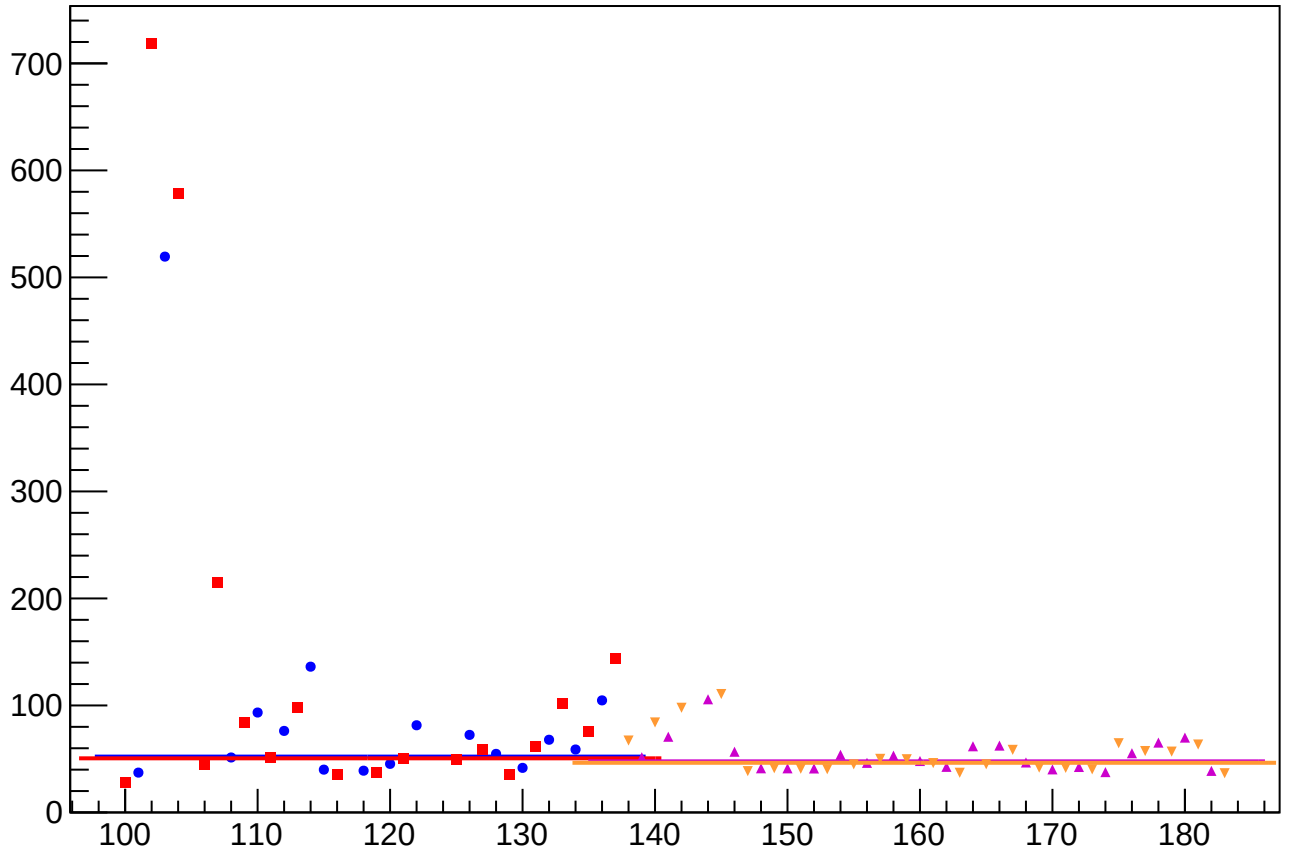
Left: -0.002+/-0.009 χ^2/NDF: 51.0/44

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.7/37

Out: -0.001+/-0.011 χ^2/NDF:42.1/40

All: -0.004+/-0.008 χ^2/NDF: 77.0/78



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.417+/-0.008 χ^2/NDF:1964662.8/22

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: 47.069+/-0.006 χ^2/NDF: 3536150.7/44

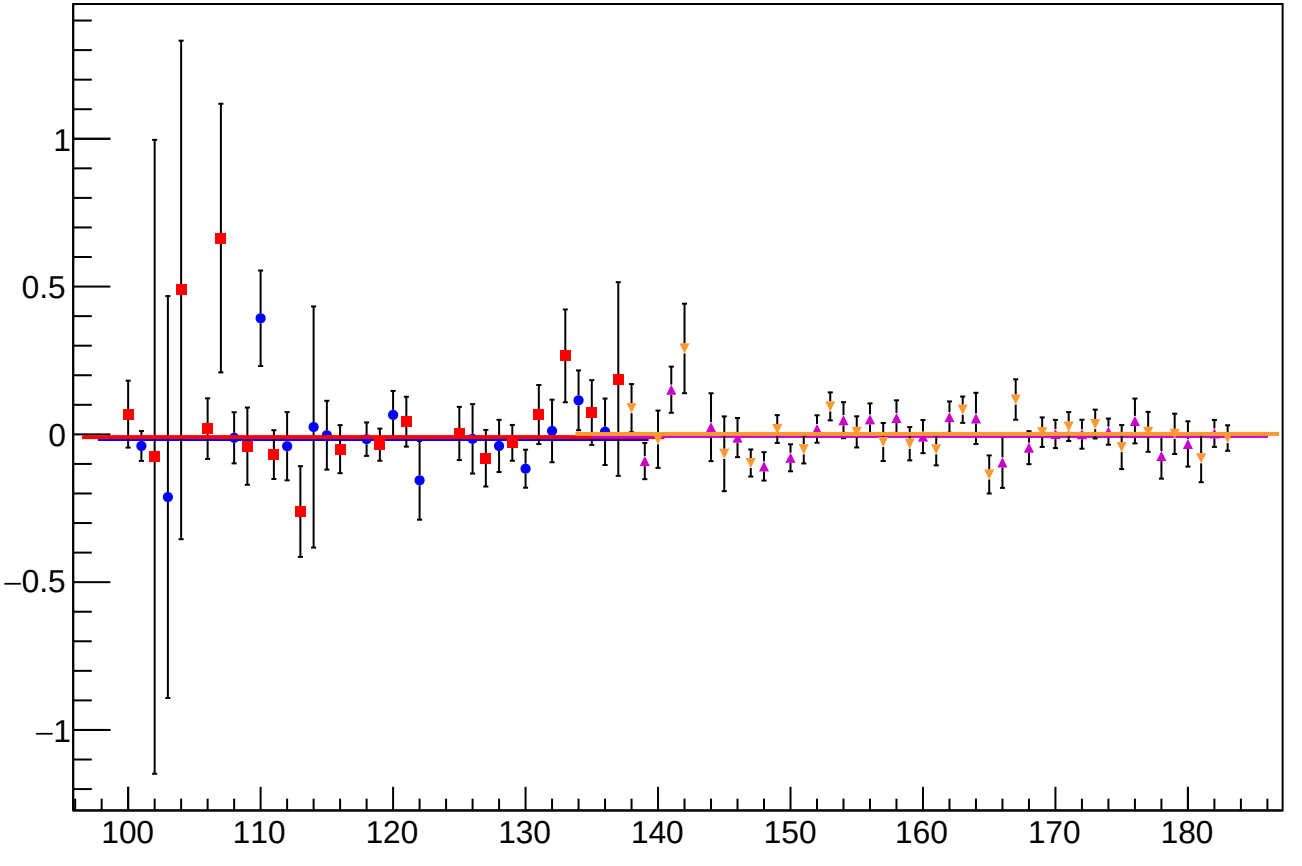
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.760+/-0.008 χ^2/NDF:3885790.5/37

Out: 47.274+/-0.008 χ^2/NDF:5065526.8/40

All: 48.010+/-0.005 χ^2/NDF: 8970431.8/78

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: 0.002+/-0.012 χ^2/NDF:29.4/22

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.012 χ^2/NDF:21.4/21

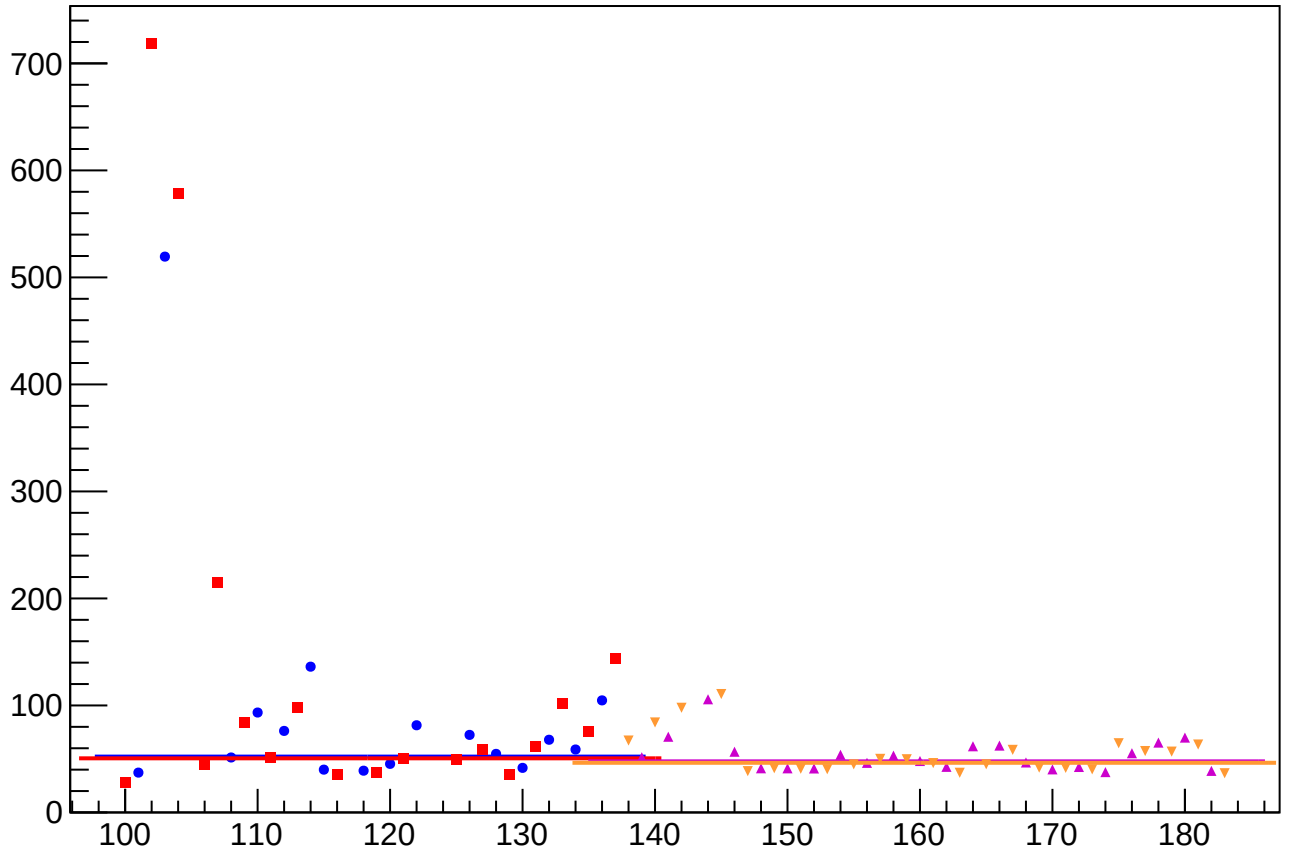
Left: -0.002+/-0.009 χ^2/NDF: 51.0/44

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.7/37

Out: -0.001+/-0.011 χ^2/NDF:42.1/40

All: -0.004+/-0.008 χ^2/NDF: 77.0/78



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.417+/-0.008 χ^2/NDF:1964662.8/22

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.750+/-0.009 χ^2/NDF:1559442.5/21

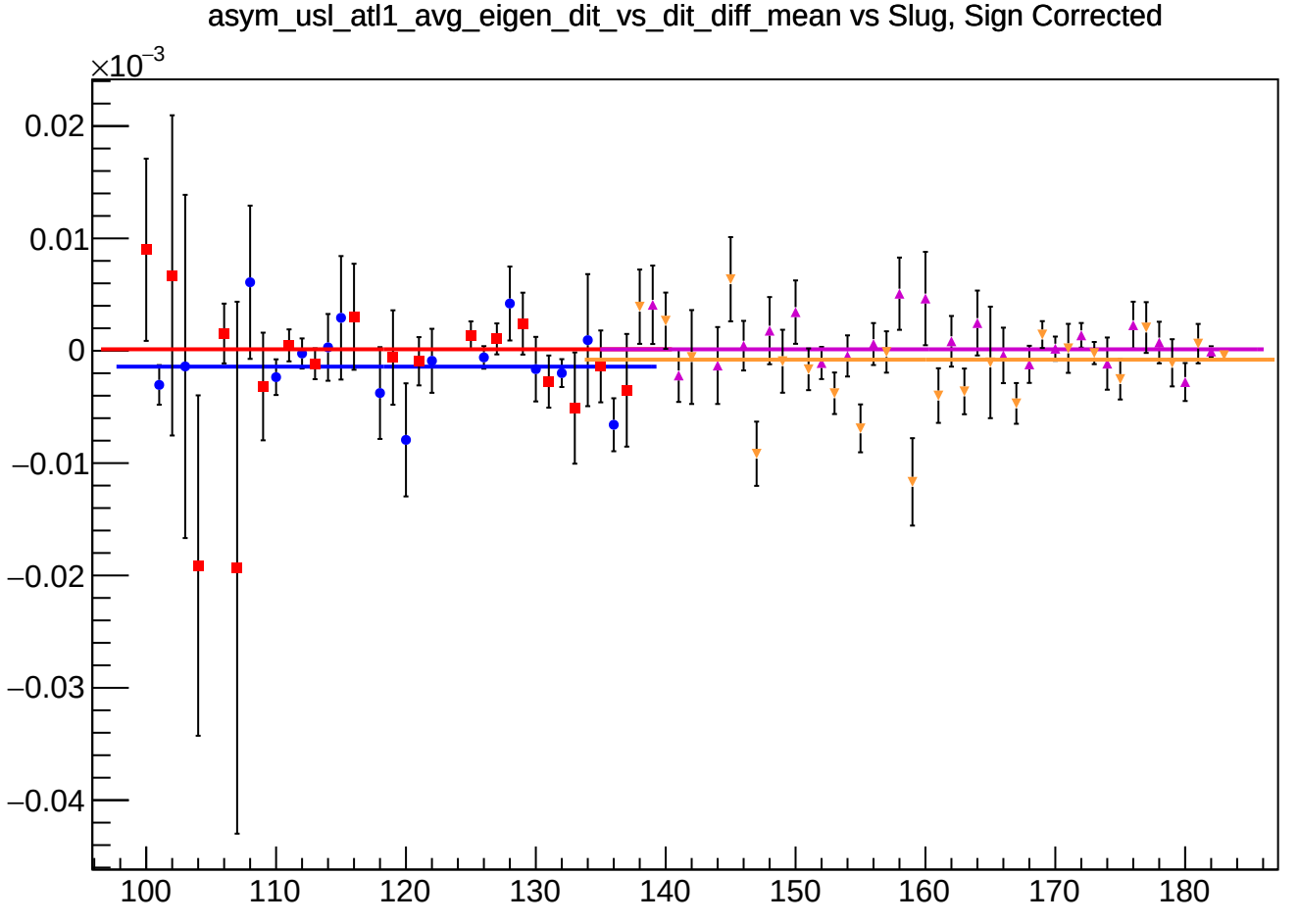
Left: 47.069+/-0.006 χ^2/NDF: 3536150.7/44

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.760+/-0.008 χ^2/NDF:3885790.5/37

Out: 47.274+/-0.008 χ^2/NDF:5065526.8/40

All: 48.010+/-0.005 χ^2/NDF: 8970431.8/78



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:51.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:16.0/21

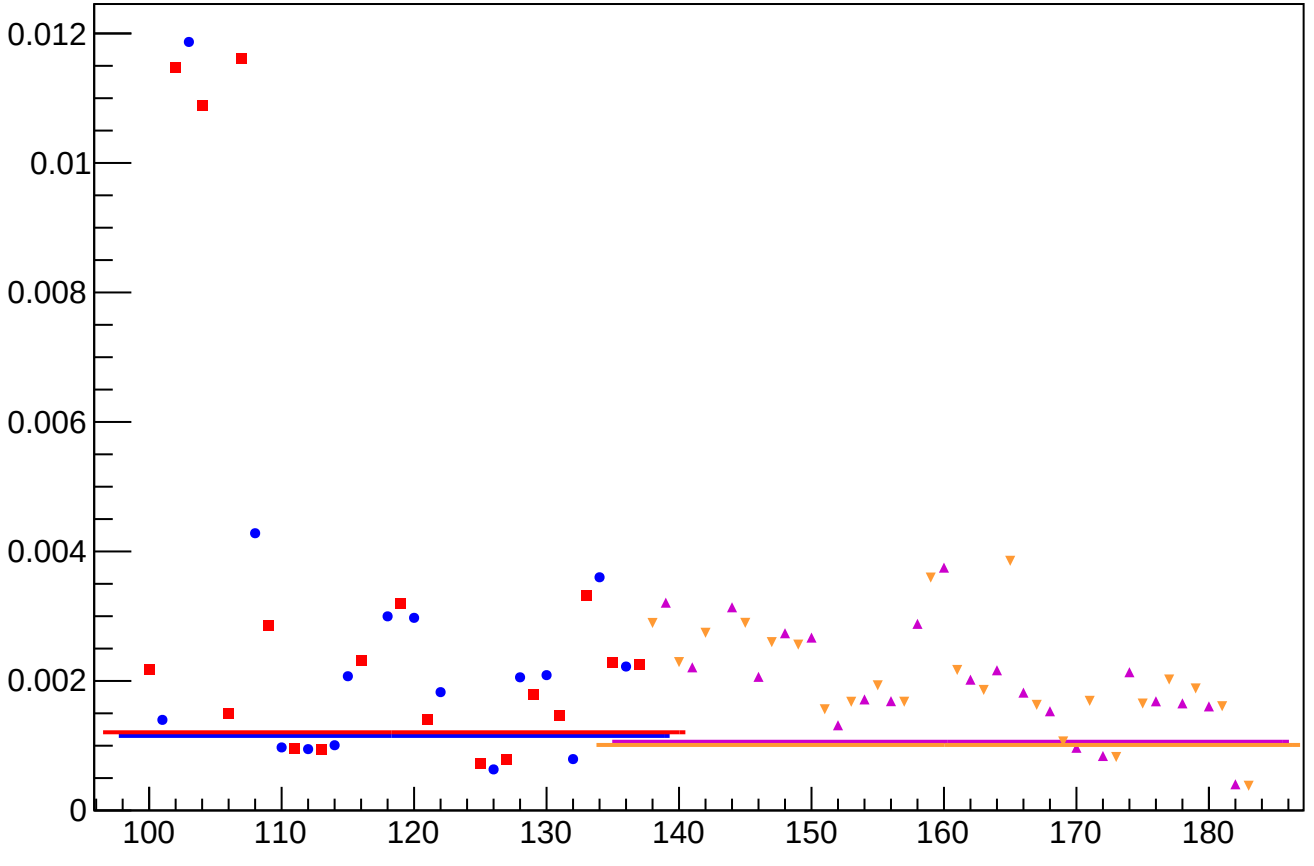
Left: -0.000+/-0.000 χ^2/NDF: 72.0/44

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:65.3/40

All: -0.000+/-0.000 χ^2/NDF: 103.3/78



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:12685321.7/22

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.001+/-0.000 χ^2/NDF:11810958.6/21

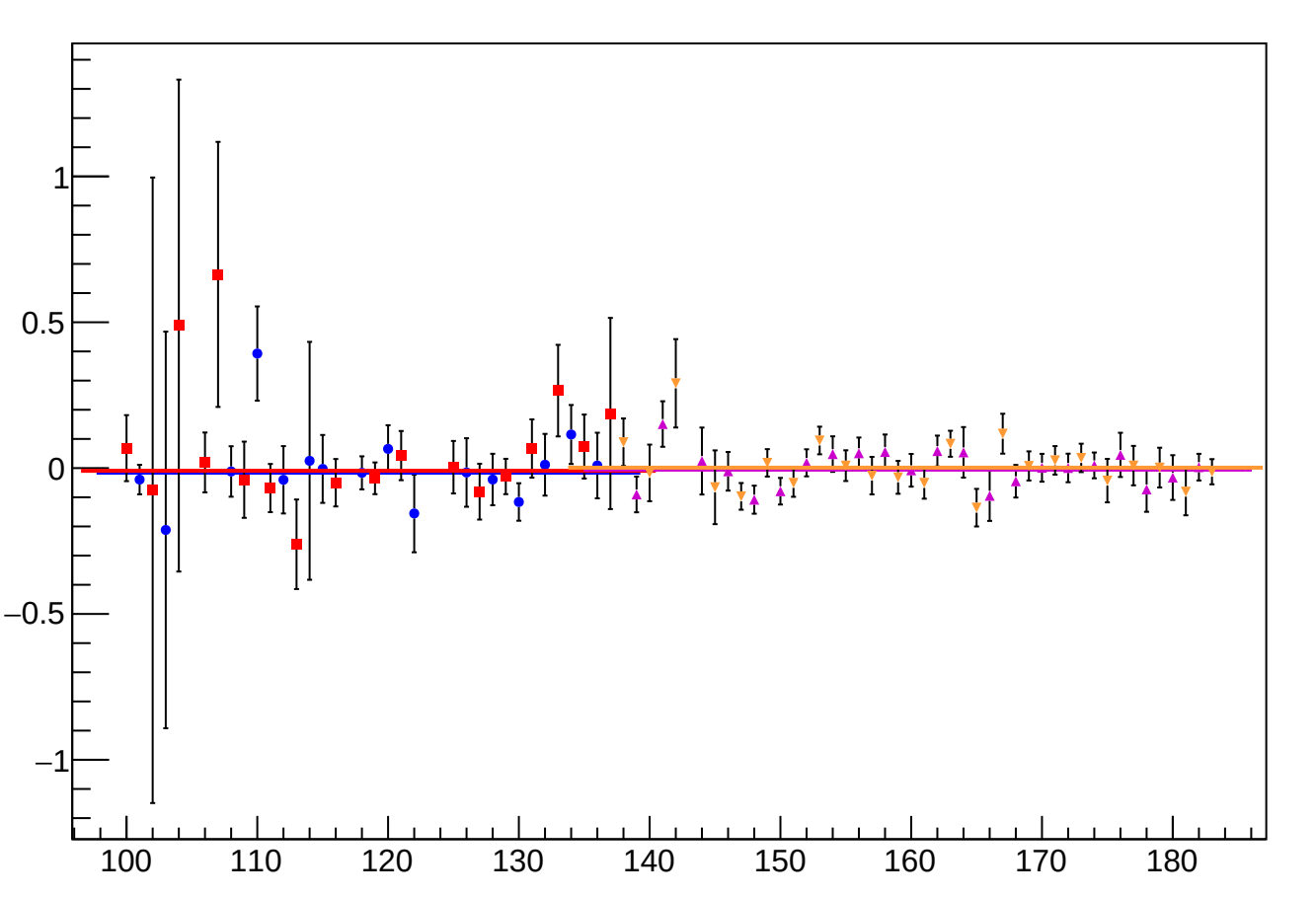
Left: 0.001+/-0.000 χ^2/NDF: 24521813.3/44

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:17397626.8/40

All: 0.001+/-0.000 χ^2/NDF: 33453220.1/78



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/22

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: -0.002+/-0.009 χ^2/NDF: 51.0/44

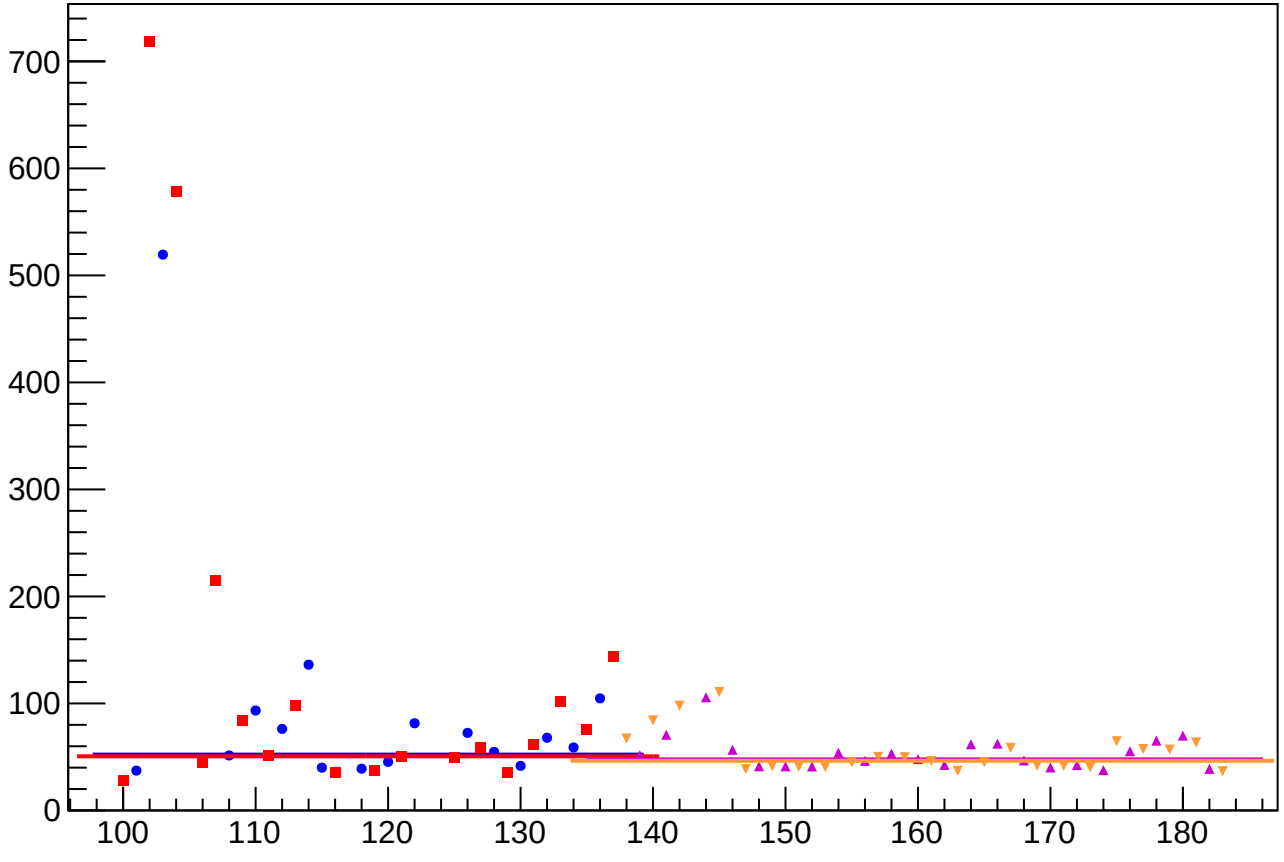
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.7/37

Out: -0.001+/-0.011 χ^2/NDF:42.1/40

All: -0.004+/-0.008 χ^2/NDF: 77.0/78

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.418+/-0.008 χ^2/NDF:1964650.5/22

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.751+/-0.009 χ^2/NDF:1559450.7/21

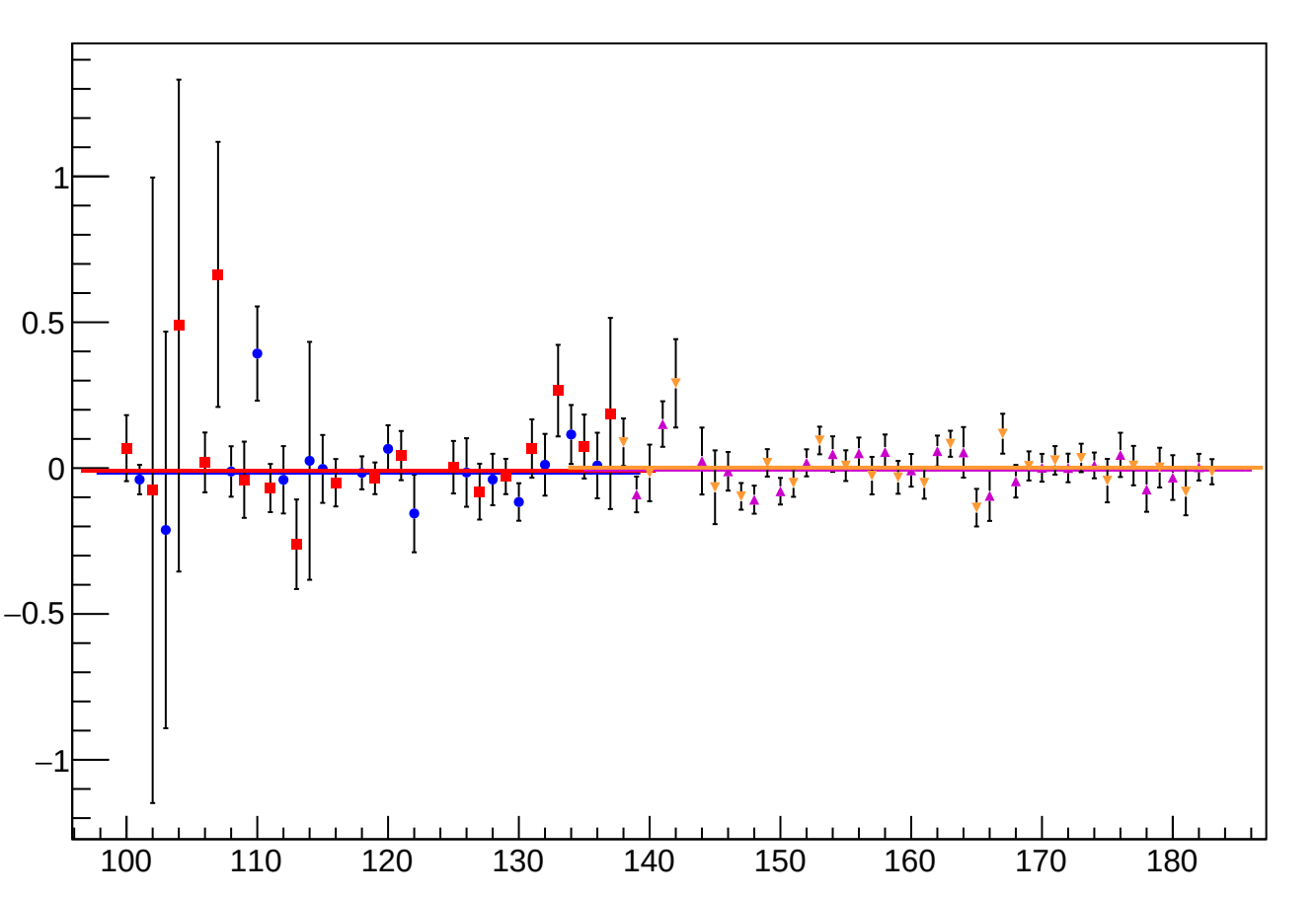
Left: 47.069+/-0.006 χ^2/NDF: 3536144.8/44

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.760+/-0.008 χ^2/NDF:3885787.0/37

Out: 47.274+/-0.008 χ^2/NDF:5065489.2/40

All: 48.010+/-0.005 χ^2/NDF: 8970389.1/78



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/22

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: -0.002+/-0.009 χ^2/NDF: 51.0/44

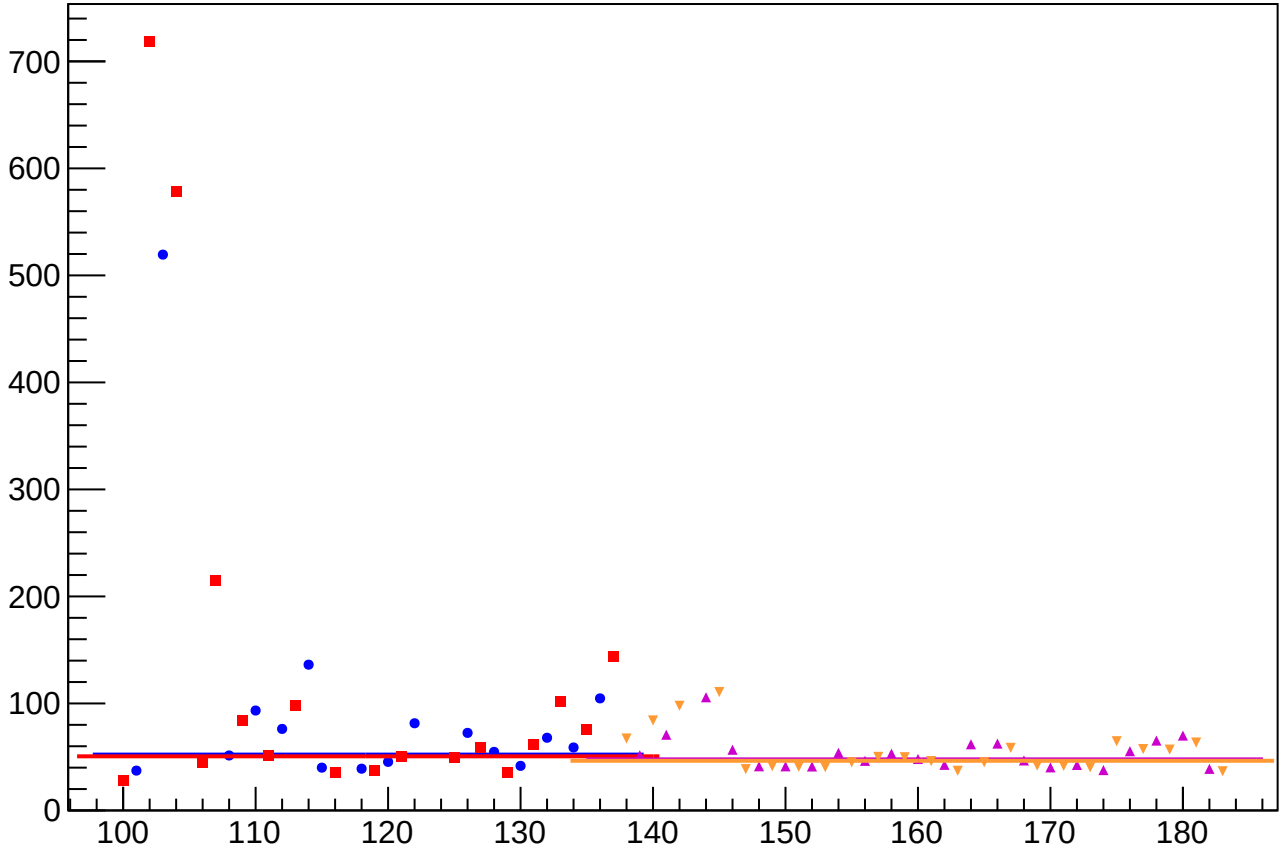
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.7/37

Out: -0.001+/-0.011 χ^2/NDF:42.1/40

All: -0.004+/-0.008 χ^2/NDF: 77.0/78

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.418+/-0.008 χ^2/NDF:1964650.5/22

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.751+/-0.009 χ^2/NDF:1559450.7/21

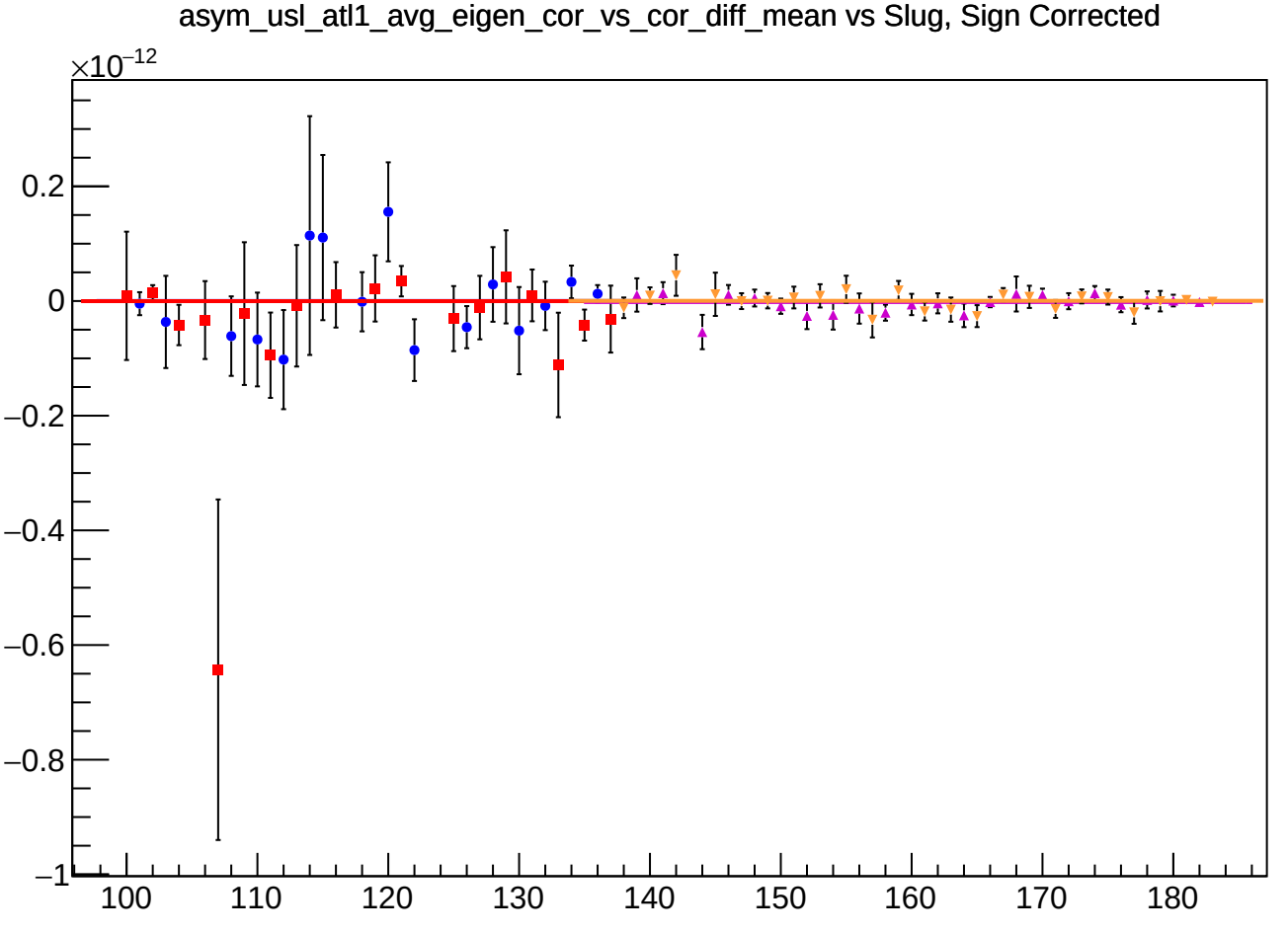
Left: 47.069+/-0.006 χ^2/NDF: 3536144.8/44

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.760+/-0.008 χ^2/NDF:3885787.0/37

Out: 47.274+/-0.008 χ^2/NDF:5065489.2/40

All: 48.010+/-0.005 χ^2/NDF: 8970389.1/78



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.3/21

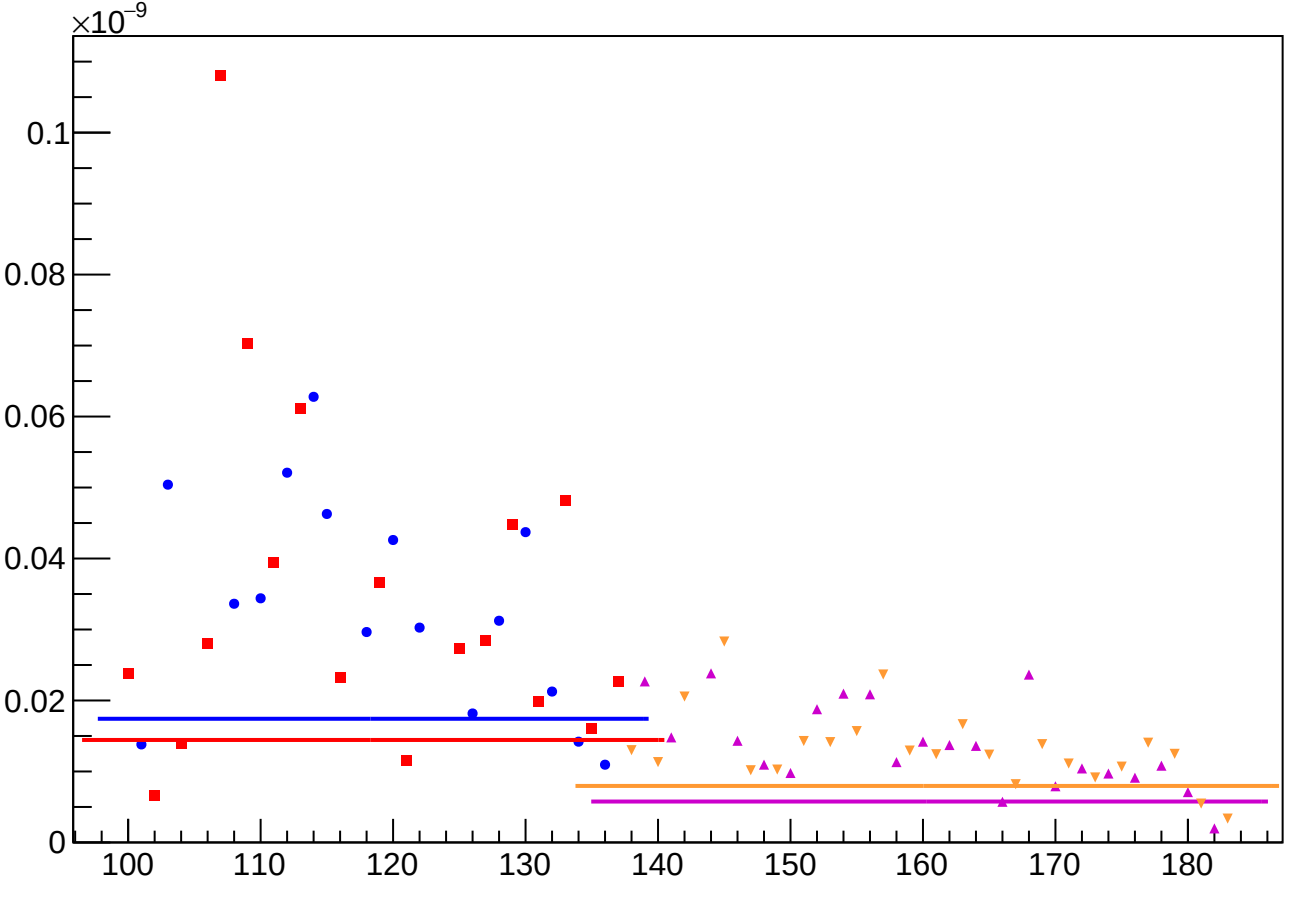
Left: -0.000+/-0.000 χ^2/NDF: 27.0/44

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:29.3/40

All: -0.000+/-0.000 χ^2/NDF: 57.1/78



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6324913.9/22

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: 18316976.5/44

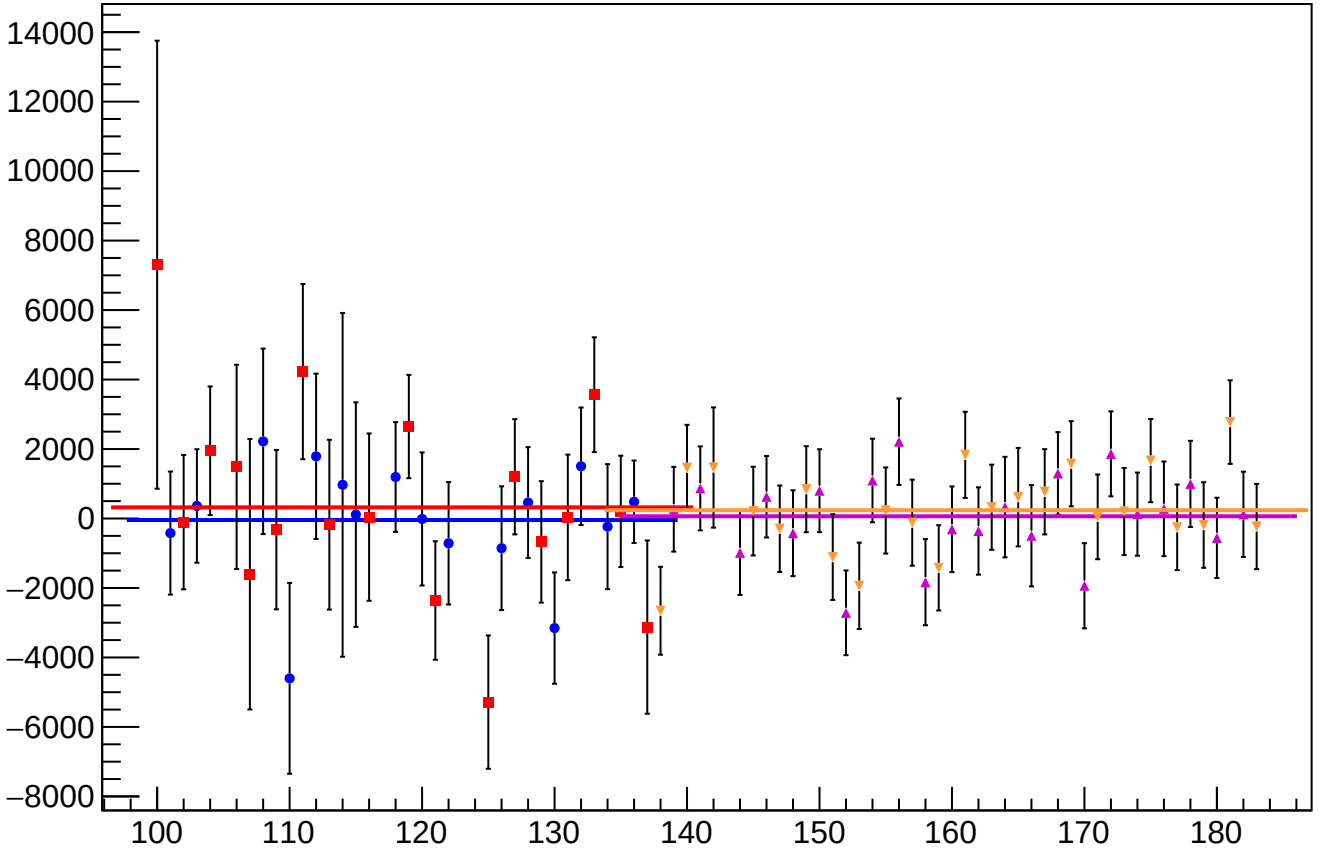
Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:16309915.3/37

Out: 0.000+/-0.000 χ^2/NDF:10550255.5/40

All: 0.000+/-0.000 χ^2/NDF: 27677510.4/78

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 239.002+/-261.584 χ^2/NDF:22.7/22

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: 152.529+/-185.771 χ^2/NDF: 43.3/44

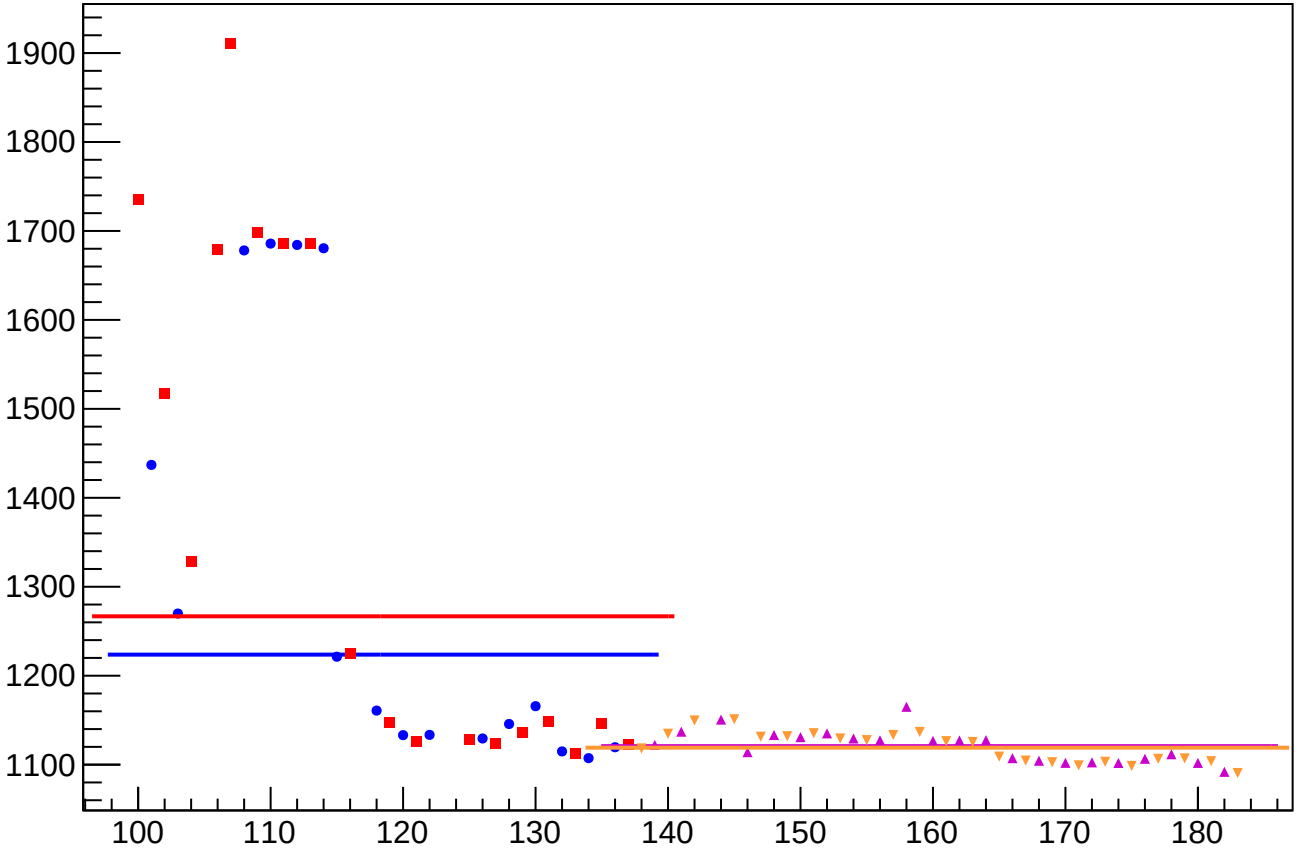
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 37.675+/-228.790 χ^2/NDF:30.5/37

Out: 258.149+/-229.129 χ^2/NDF:47.5/40

All: 147.749+/-161.899 χ^2/NDF: 78.5/78

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1119.083+/-0.185 χ^2/NDF:7959.8/22

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1120.821+/-0.187 χ^2/NDF:9039.6/21

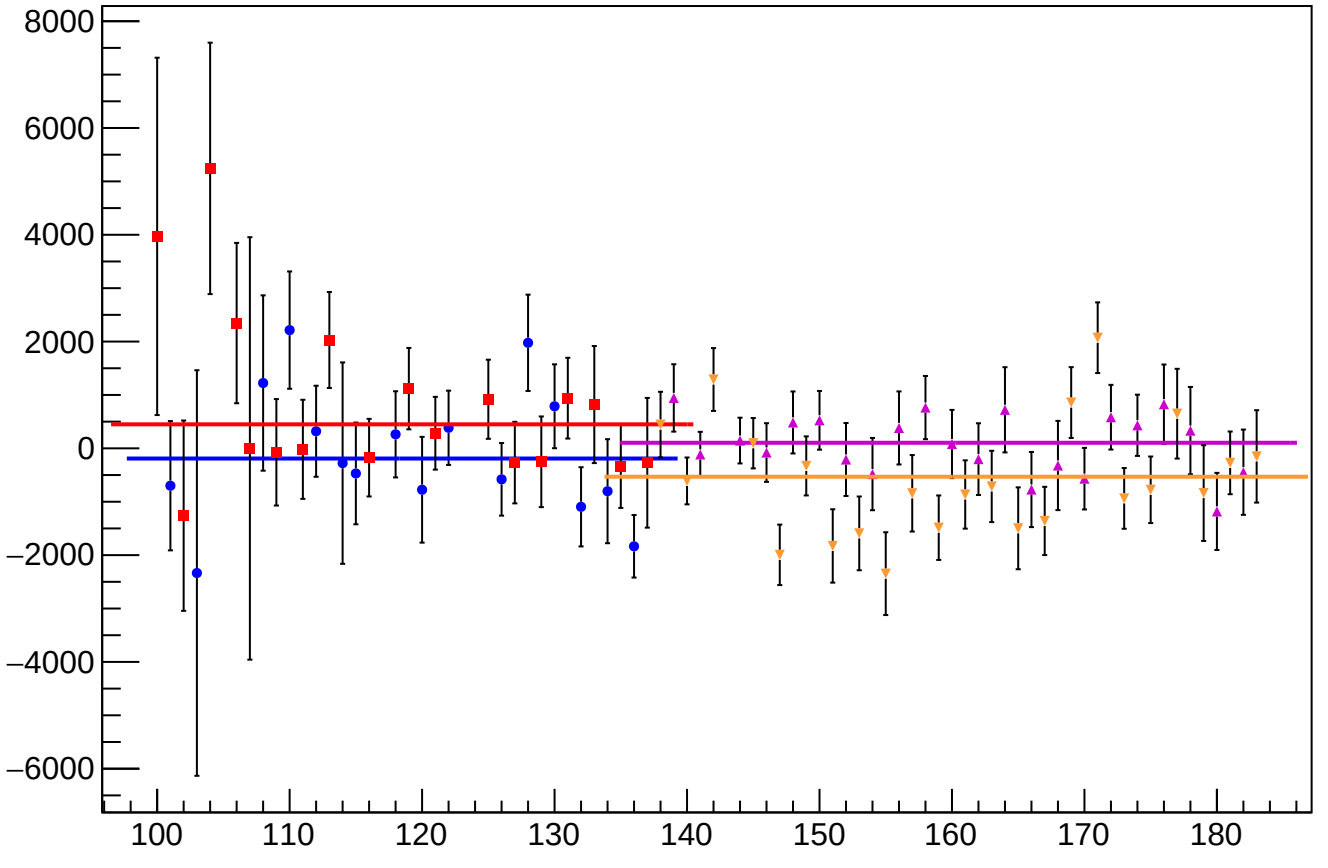
Left: 1119.944+/-0.131 χ^2/NDF: 17043.2/44

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1146.358+/-0.162 χ^2/NDF:379476.4/37

Out: 1153.459+/-0.162 χ^2/NDF:589205.2/40

All: 1149.903+/-0.114 χ^2/NDF: 969643.4/78



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -531.313+/-131.159 χ^2/NDF:61.4/22

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 104.422+/-131.663 χ^2/NDF:15.1/21

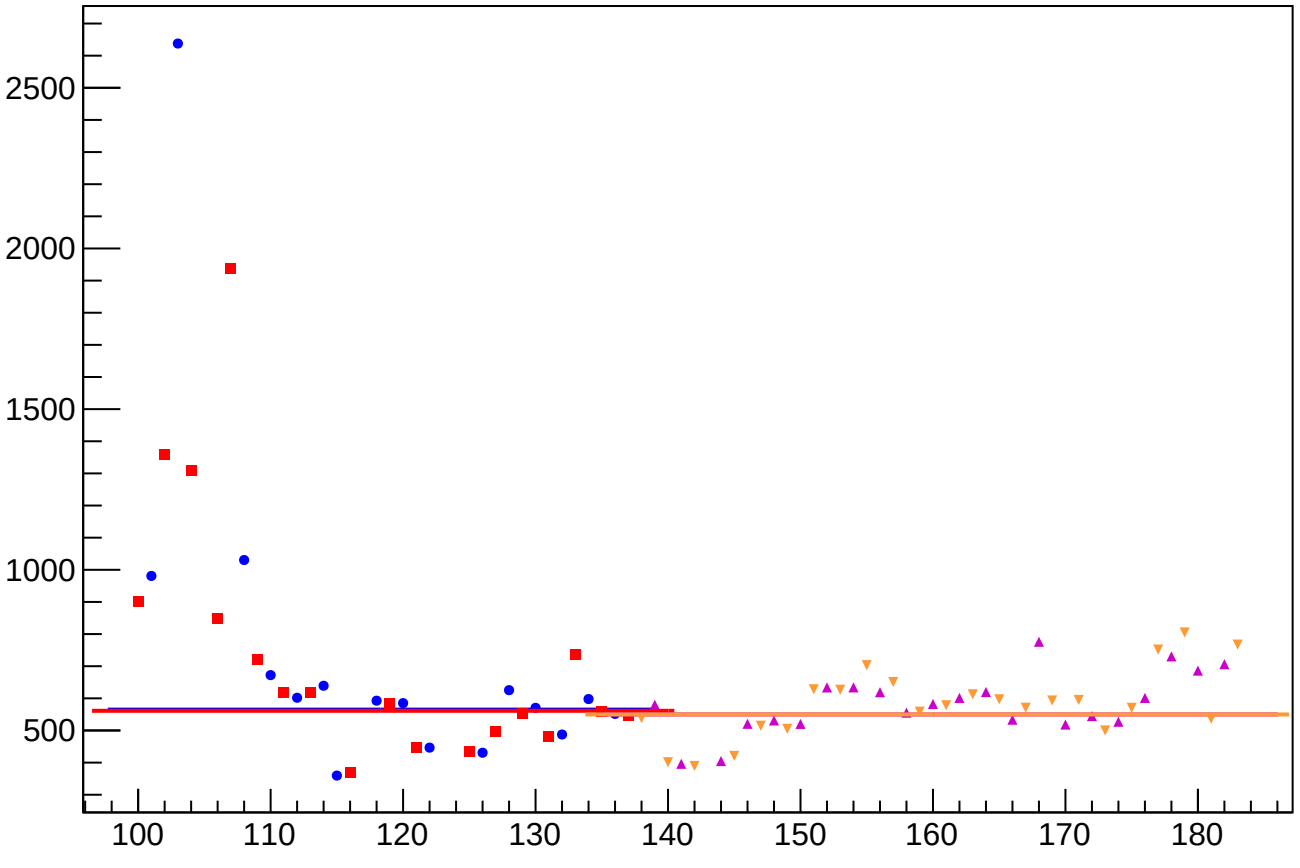
Left: -214.666+/-92.921 χ^2/NDF: 88.2/44

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 28.087+/-113.359 χ^2/NDF:41.7/37

Out: -279.478+/-113.081 χ^2/NDF:92.6/40

All: -126.074+/-80.058 χ^2/NDF: 137.9/78



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 549.862+/-0.093 χ^2/NDF:1189542.8/22

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: 549.836+/-0.066 χ^2/NDF: 2225854.8/44

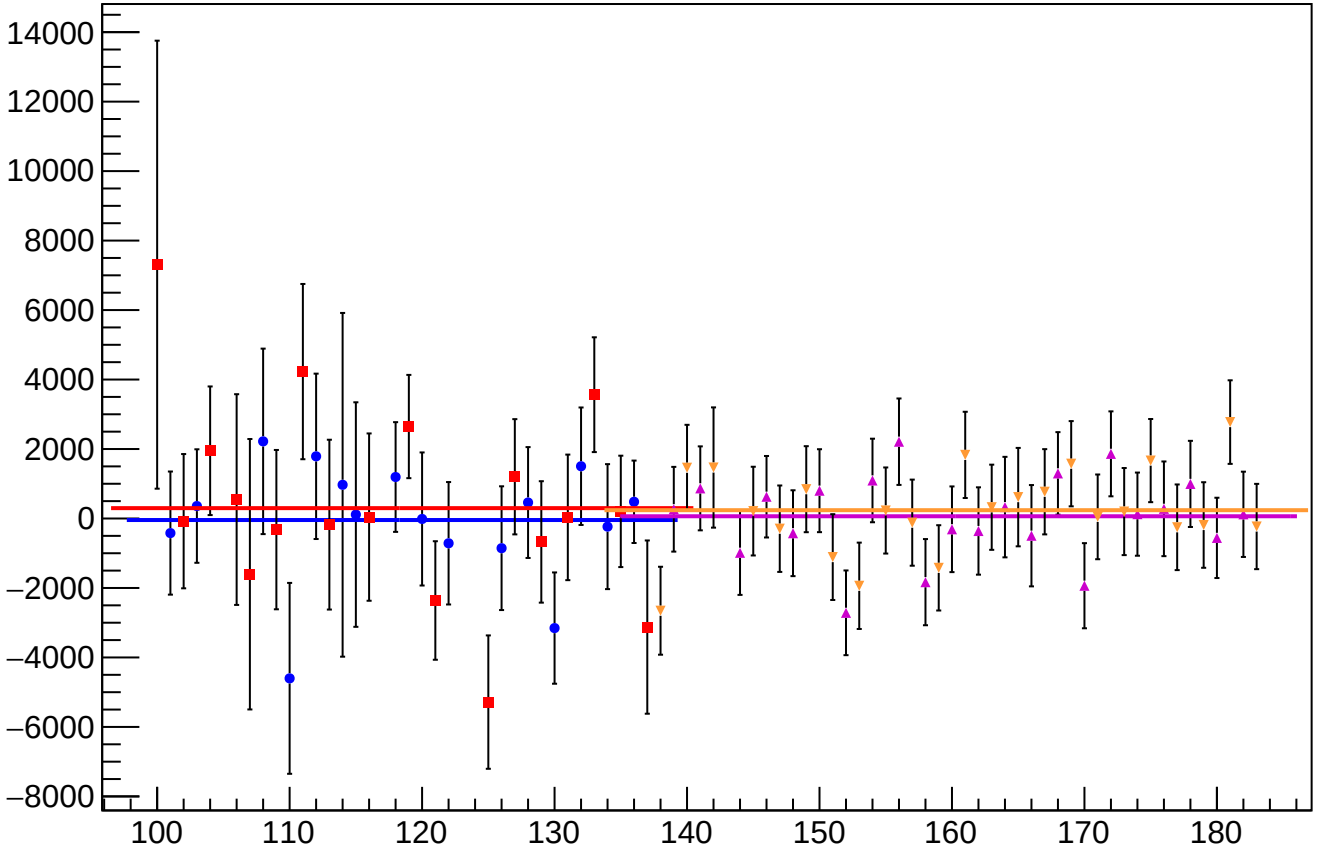
Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 553.729+/-0.080 χ^2/NDF:2327640.9/37

Out: 552.784+/-0.080 χ^2/NDF:2545647.2/40

All: 553.255+/-0.057 χ^2/NDF: 4873357.8/78

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 239.052+/-261.584 χ^2/NDF:22.7/22

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: 152.548+/-185.771 χ^2/NDF: 43.3/44

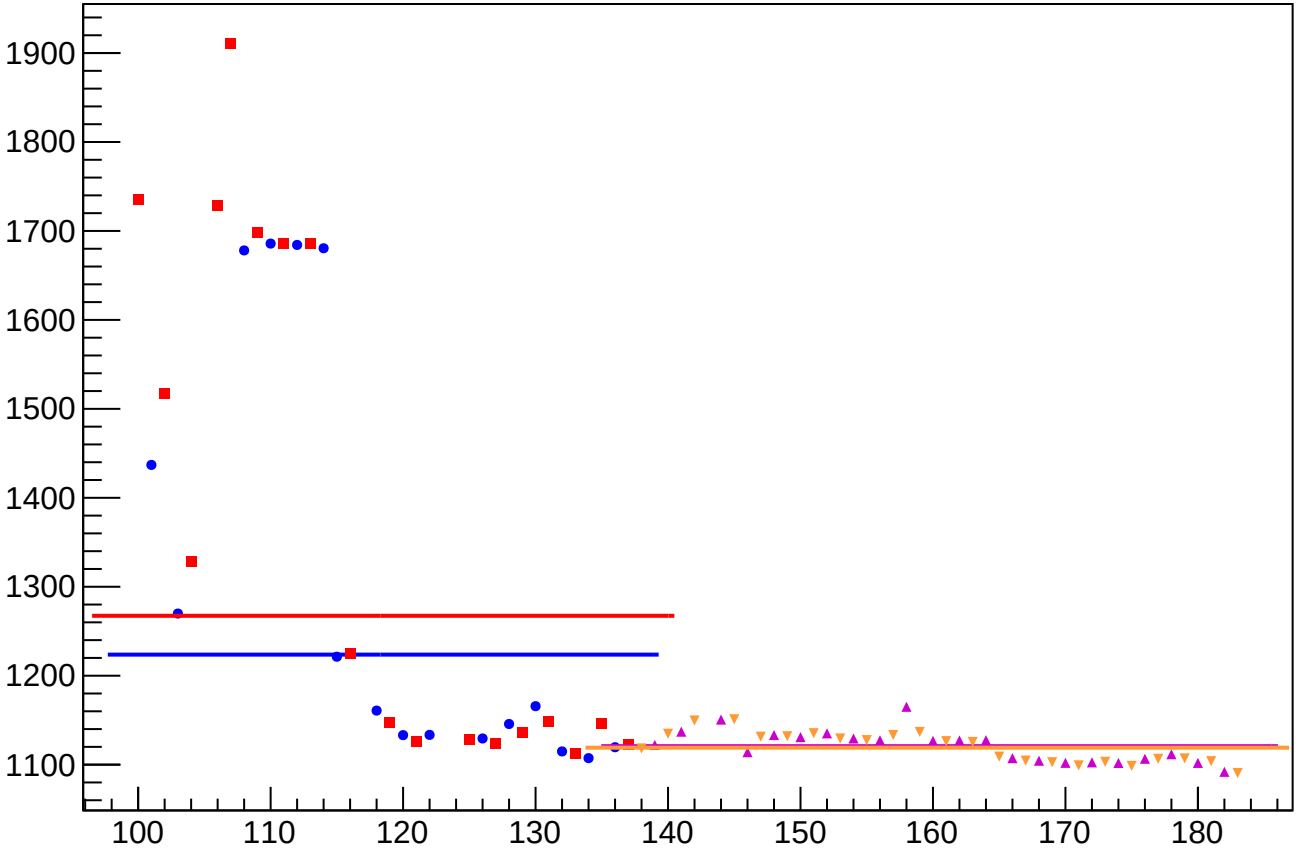
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 37.607+/-228.790 χ^2/NDF:30.5/37

Out: 252.804+/-229.171 χ^2/NDF:47.4/40

All: 145.026+/-161.914 χ^2/NDF: 78.3/78

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1119.083+/-0.185 χ^2/NDF:7959.8/22

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: 1119.944+/-0.131 χ^2/NDF: 17043.2/44

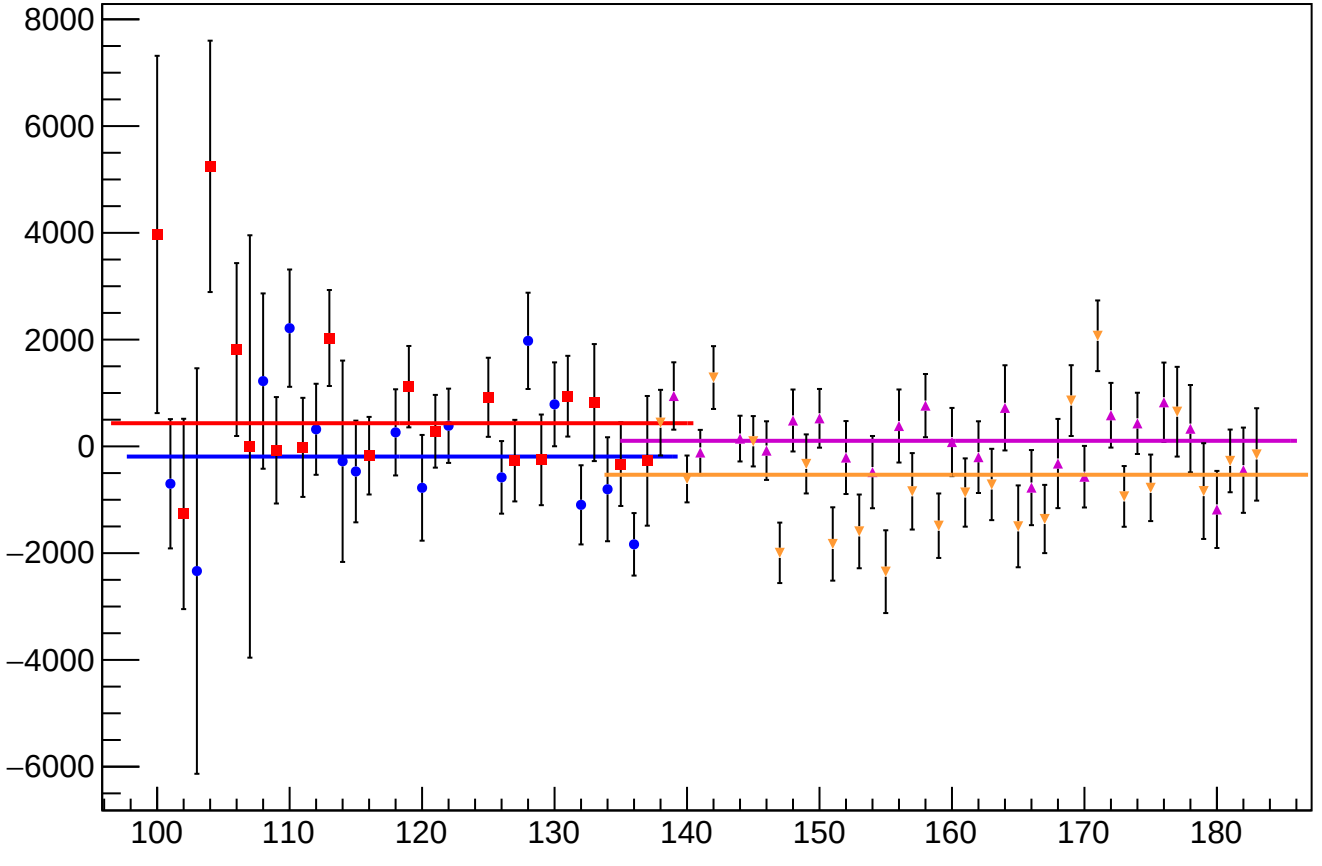
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1146.358+/-0.162 χ^2/NDF:379476.5/37

Out: 1153.553+/-0.162 χ^2/NDF:597335.6/40

All: 1149.950+/-0.114 χ^2/NDF: 977799.3/78

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: -531.331+/-131.159 χ^2/NDF:61.4/22

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 104.411+/-131.663 χ^2/NDF:15.1/21

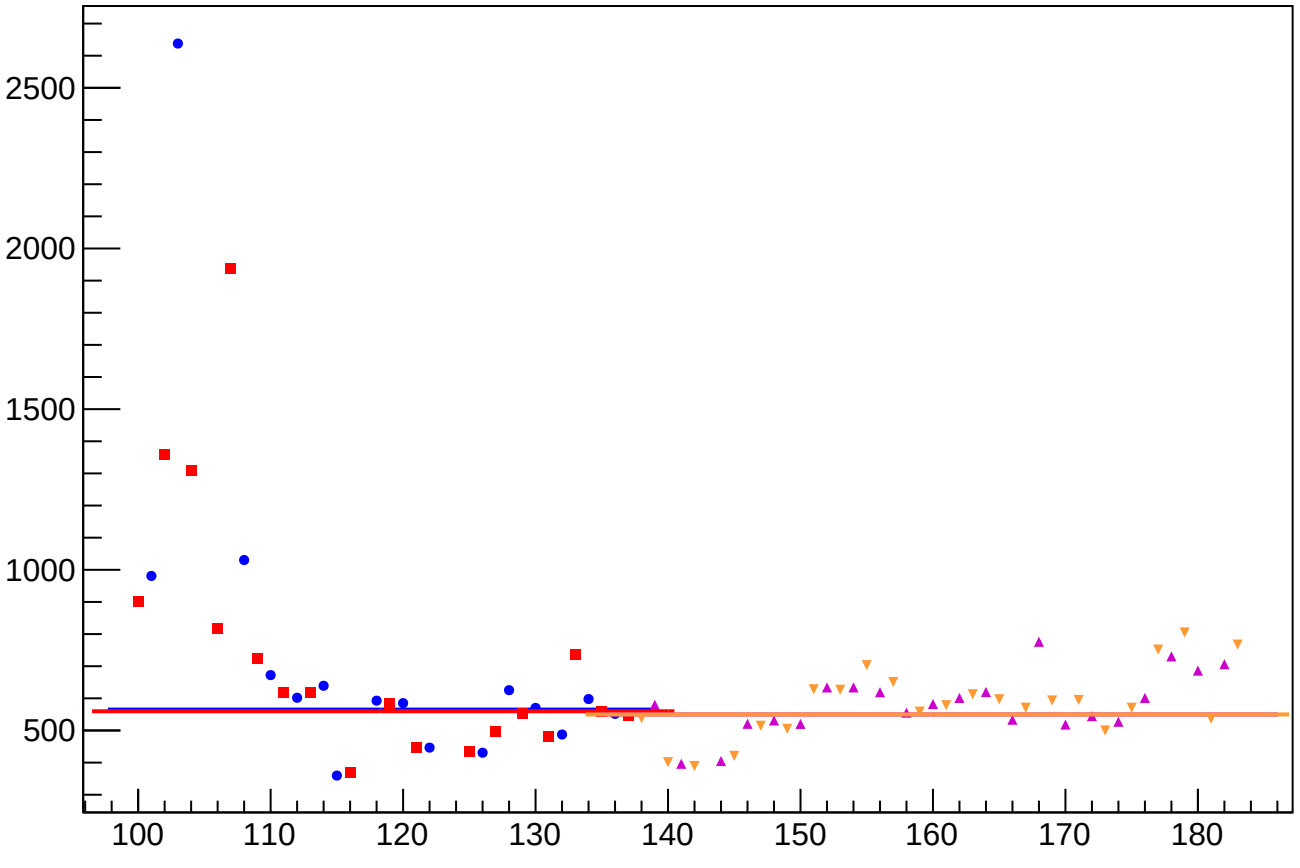
Left: -214.679+/-92.921 χ^2/NDF: 88.2/44

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 28.076+/-113.359 χ^2/NDF:41.7/37

Out: -284.158+/-113.125 χ^2/NDF:91.2/40

All: -128.363+/-80.074 χ^2/NDF: 136.7/78



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 549.862+/-0.093 χ^2/NDF:1189551.2/22

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 549.809+/-0.093 χ^2/NDF:1036280.3/21

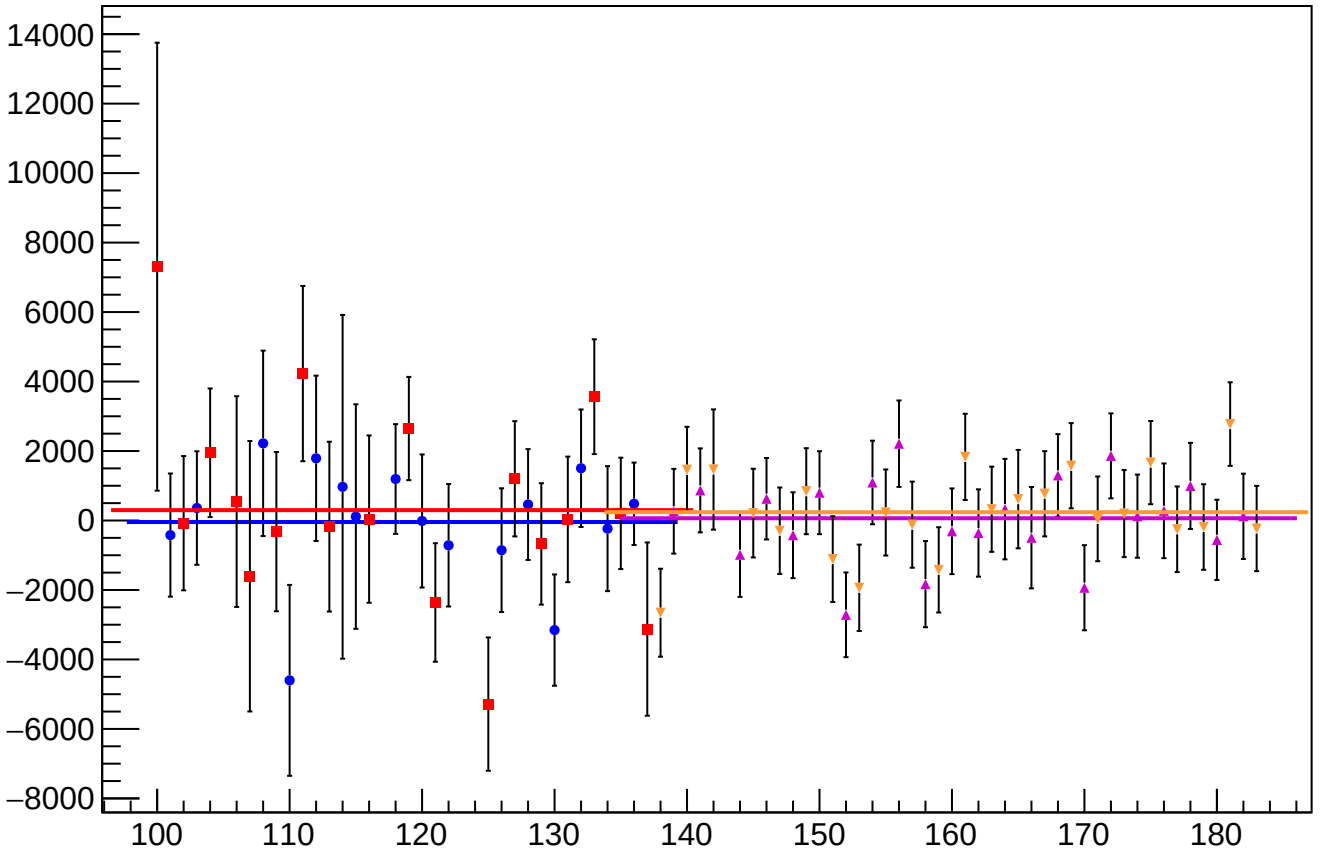
Left: 549.835+/-0.066 χ^2/NDF: 2225831.6/44

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 553.727+/-0.080 χ^2/NDF:2327582.7/37

Out: 552.396+/-0.080 χ^2/NDF:2521824.0/40

All: 553.060+/-0.057 χ^2/NDF: 4849544.8/78



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 239.052+/-261.584 χ^2/NDF:22.7/22

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 64.525+/-263.871 χ^2/NDF:20.4/21

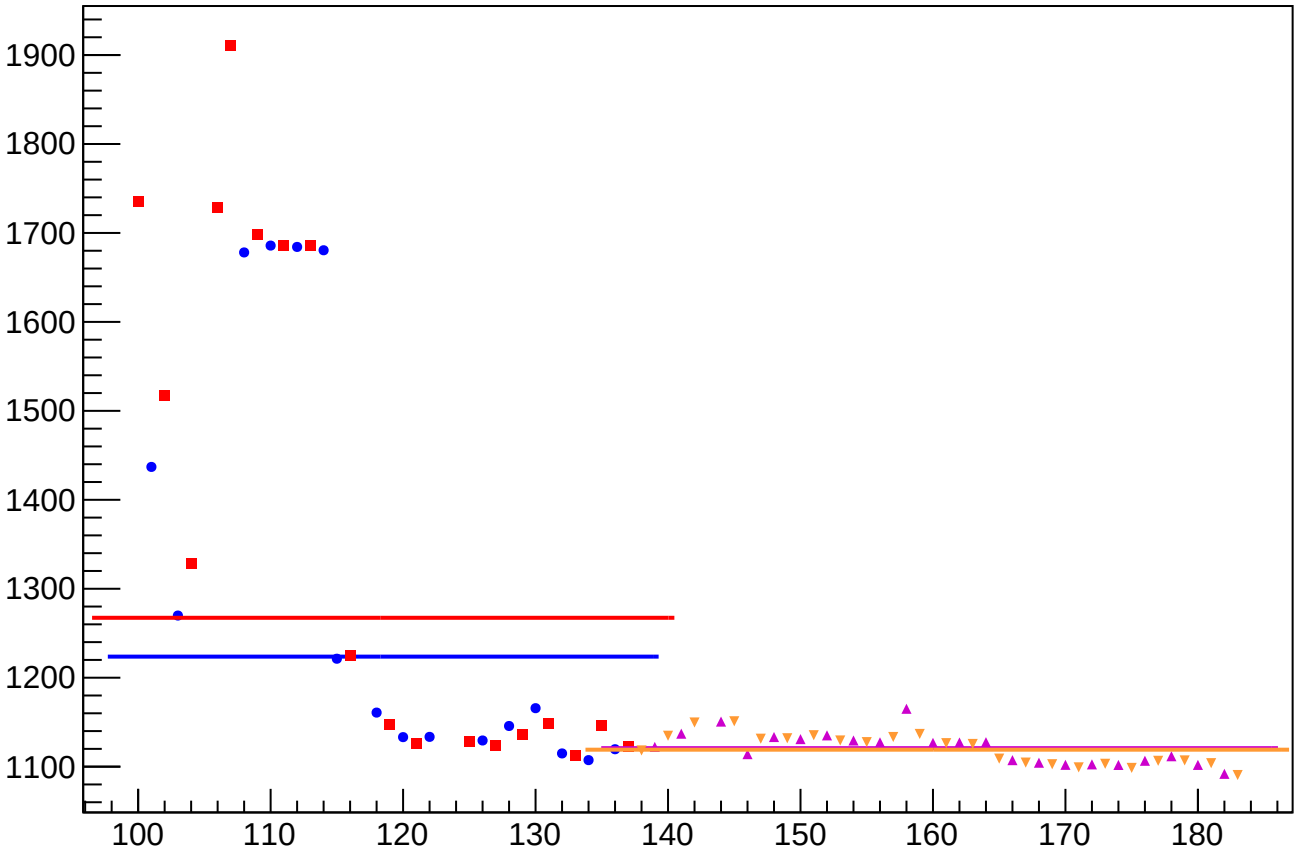
Left: 152.548+/-185.771 χ^2/NDF: 43.3/44

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 37.607+/-228.790 χ^2/NDF:30.5/37

Out: 252.804+/-229.171 χ^2/NDF:47.4/40

All: 145.026+/-161.914 χ^2/NDF: 78.3/78



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1119.083+/-0.185 χ^2/NDF:7959.8/22

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: 1119.944+/-0.131 χ^2/NDF: 17043.2/44

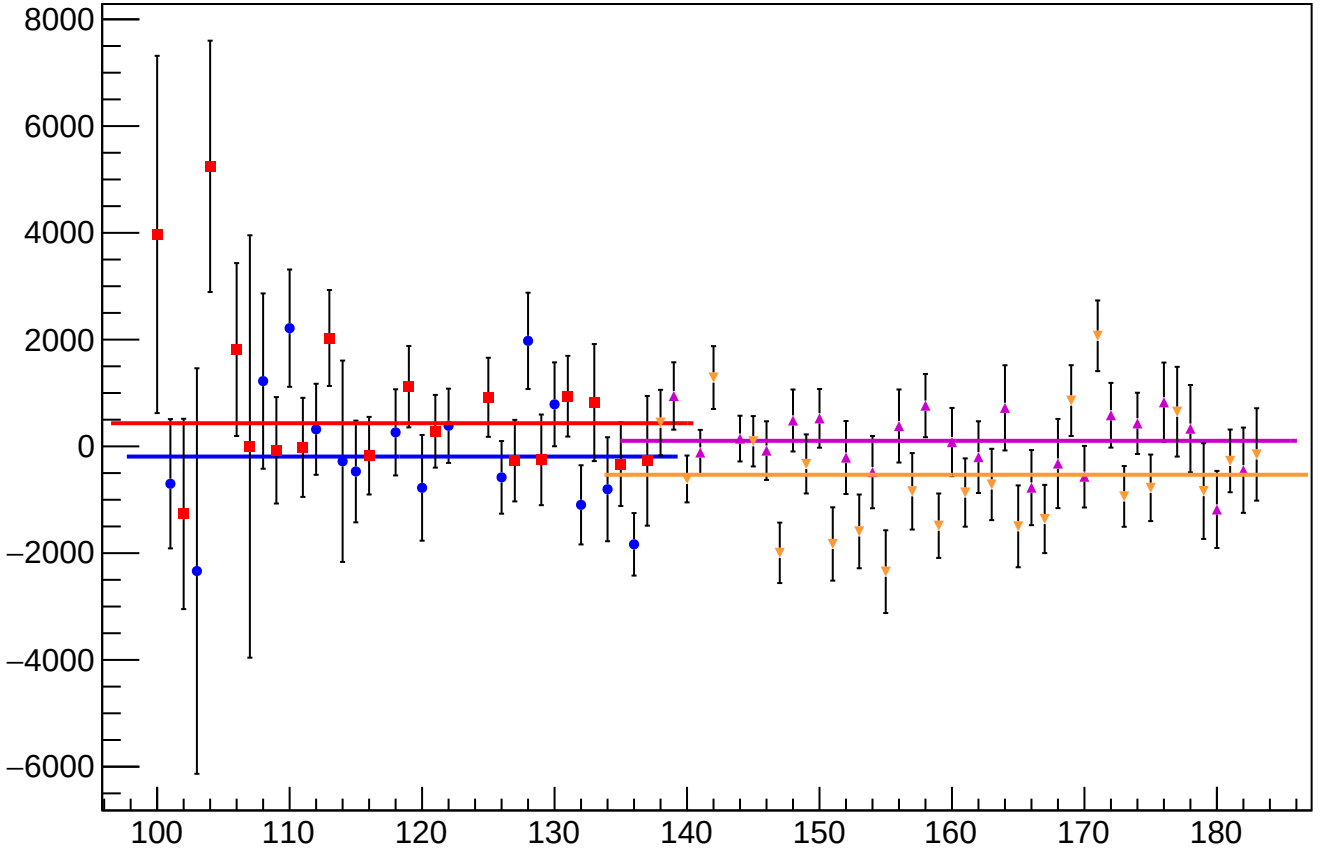
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1146.358+/-0.162 χ^2/NDF:379476.5/37

Out: 1153.553+/-0.162 χ^2/NDF:597335.6/40

All: 1149.950+/-0.114 χ^2/NDF: 977799.3/78

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: -531.331+/-131.159 χ^2/NDF:61.4/22

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: -214.679+/-92.921 χ^2/NDF: 88.2/44

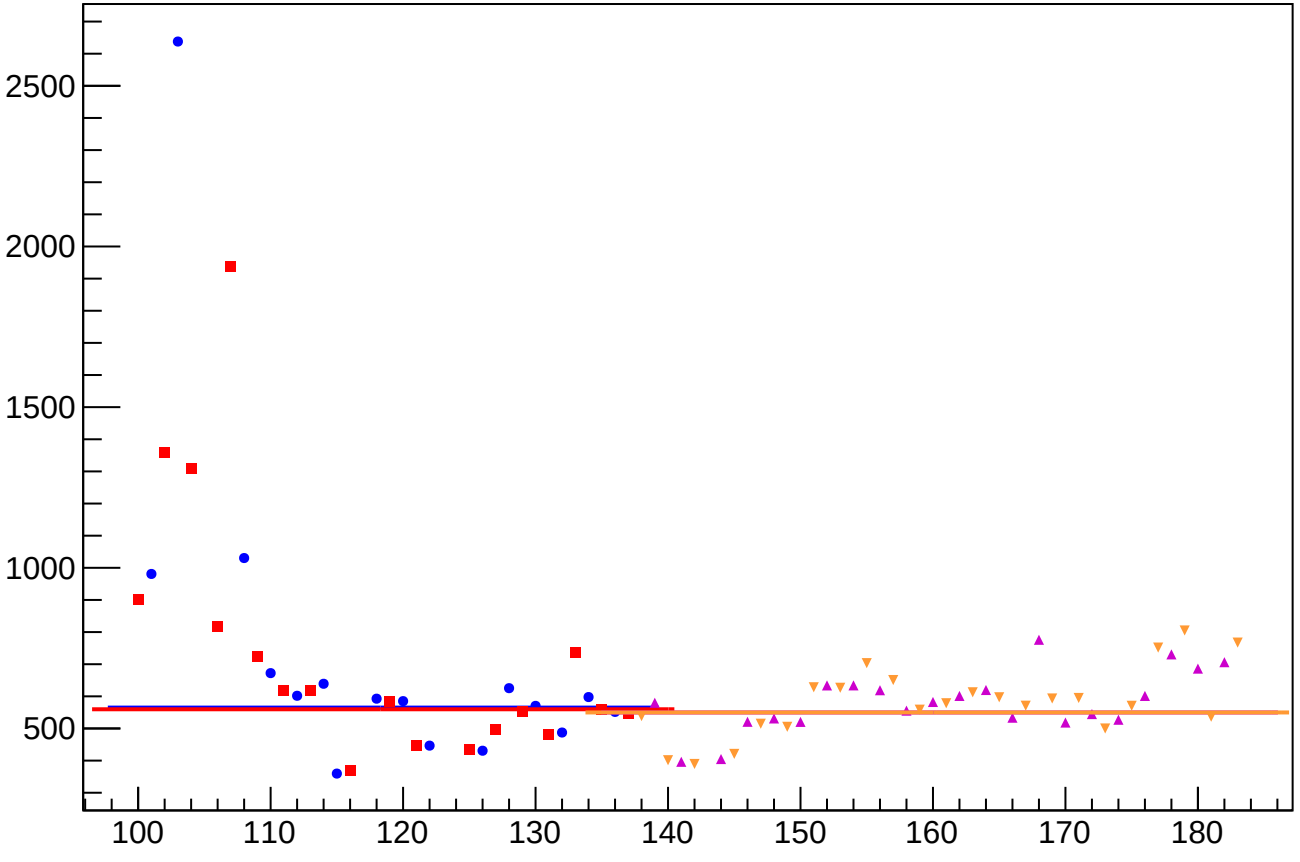
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 28.076+/-113.359 χ^2/NDF:41.7/37

Out: -284.158+/-113.125 χ^2/NDF:91.2/40

All: -128.363+/-80.074 χ^2/NDF: 136.7/78

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: 549.862+/-0.093 χ^2/NDF:1189551.2/22

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: 549.835+/-0.066 χ^2/NDF: 2225831.6/44

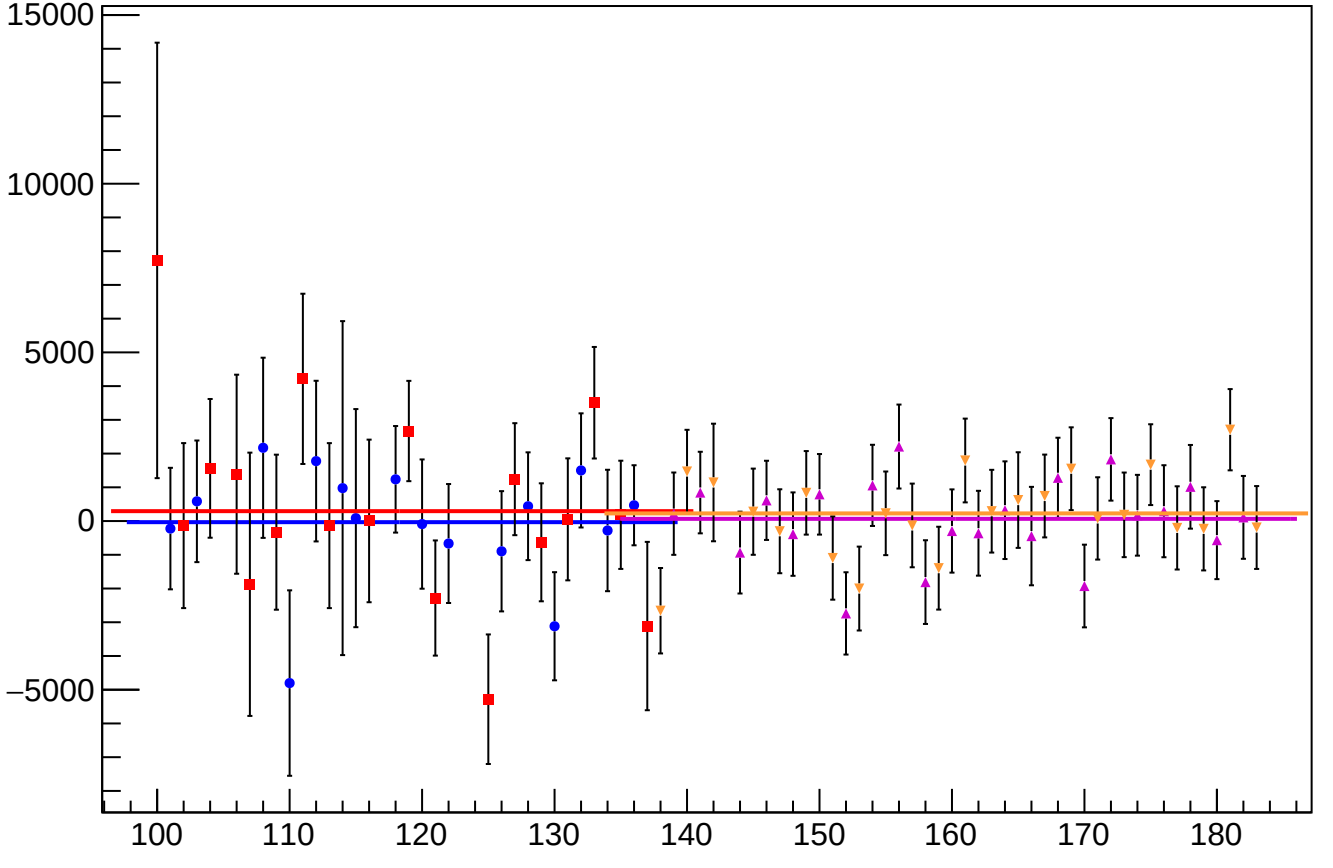
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 553.727+/-0.080 χ^2/NDF:2327582.7/37

Out: 552.396+/-0.080 χ^2/NDF:2521824.0/40

All: 553.060+/-0.057 χ^2/NDF: 4849544.8/78

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 226.467+/-261.744 χ^2/NDF:22.2/22

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 65.155+/-263.985 χ^2/NDF:20.1/21

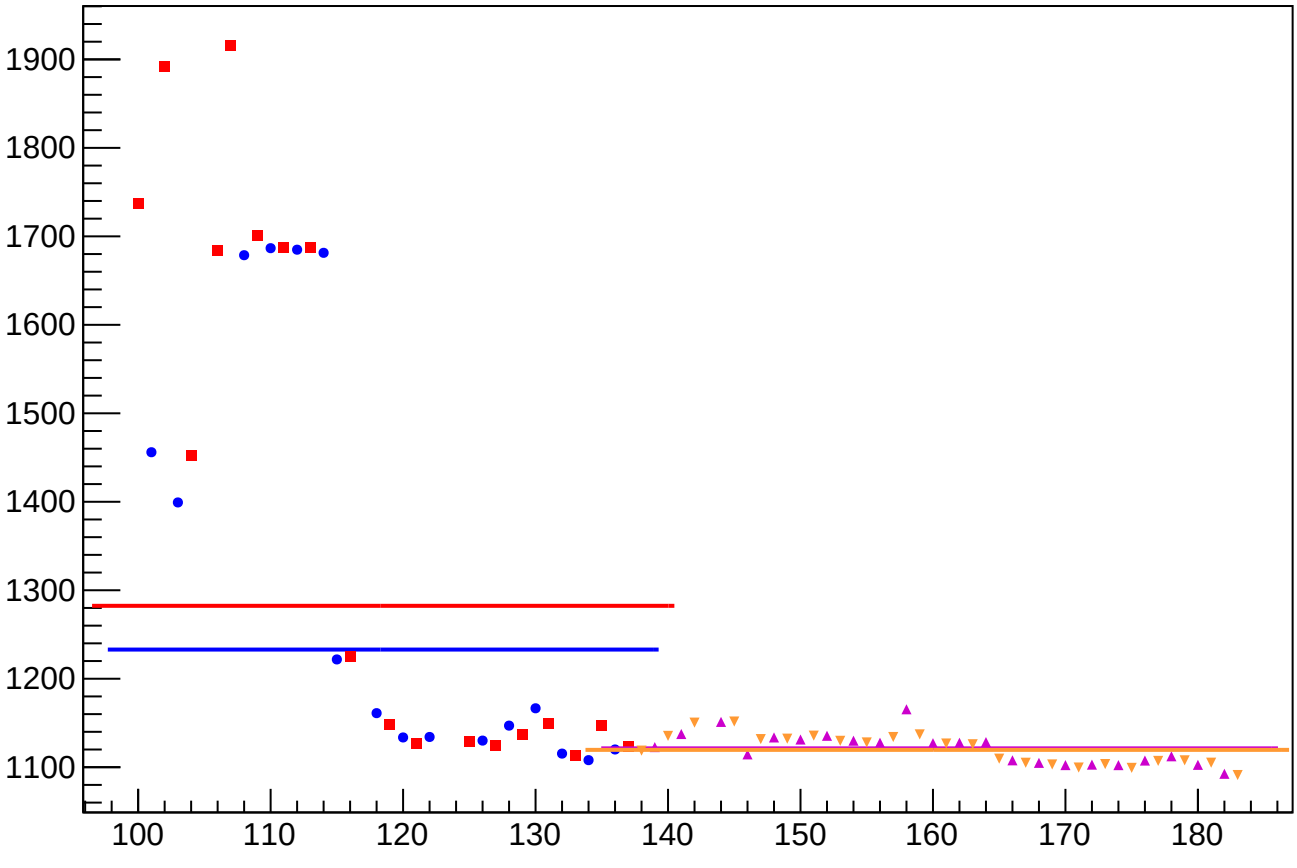
Left: 146.499+/-185.868 χ^2/NDF: 42.5/44

Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 41.076+/-229.355 χ^2/NDF:30.4/37

Out: 241.617+/-230.216 χ^2/NDF:46.5/40

All: 140.971+/-162.482 χ^2/NDF: 77.2/78



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1119.601+/-0.185 χ^2/NDF:7907.5/22

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1121.308+/-0.187 χ^2/NDF:8994.2/21

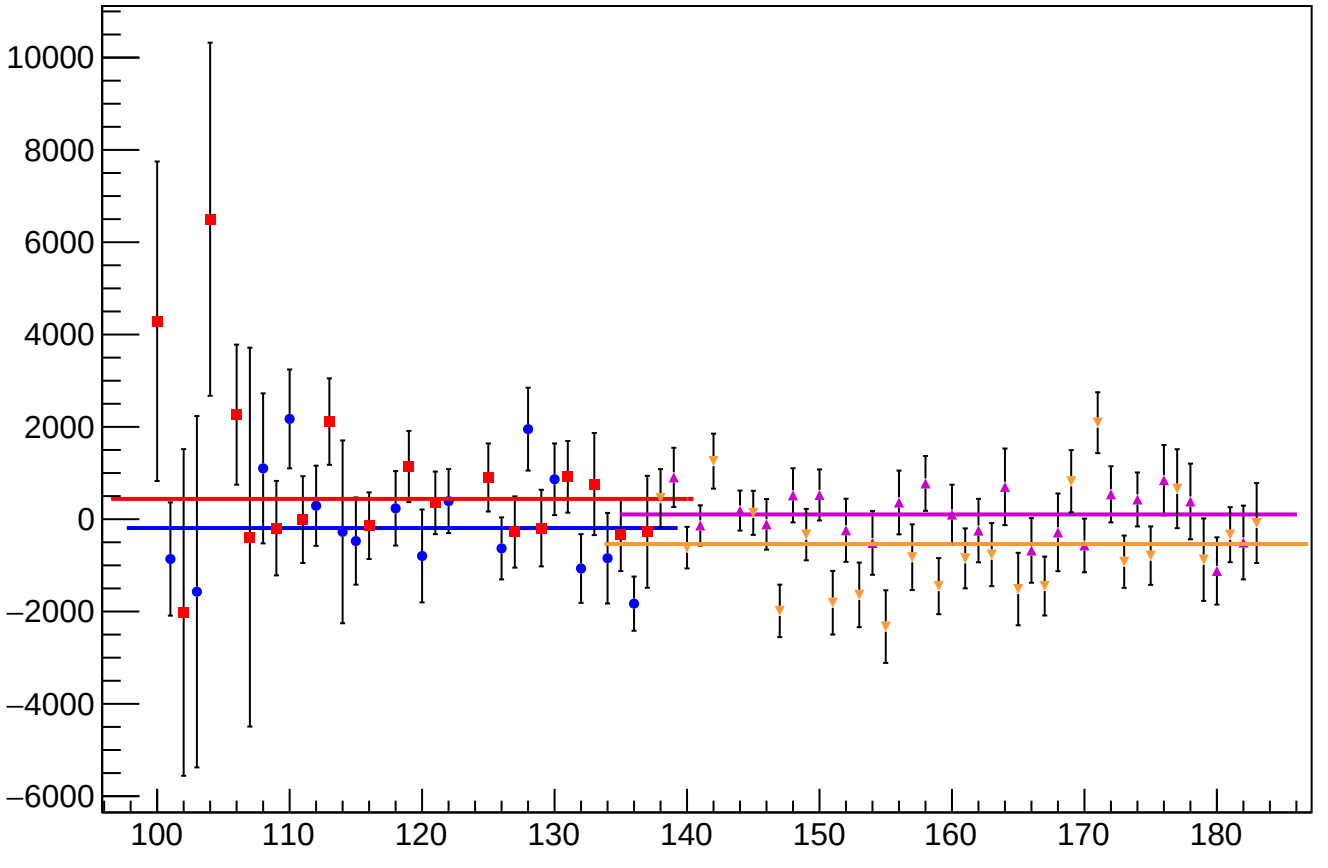
Left: 1120.447+/-0.131 χ^2/NDF: 16944.0/44

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1148.682+/-0.162 χ^2/NDF:412183.2/37

Out: 1156.460+/-0.163 χ^2/NDF:726492.8/40

All: 1152.556+/-0.115 χ^2/NDF: 1139821.8/78



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -536.738+/-132.552 χ^2/NDF:60.7/22

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 103.030+/-133.245 χ^2/NDF:14.5/21

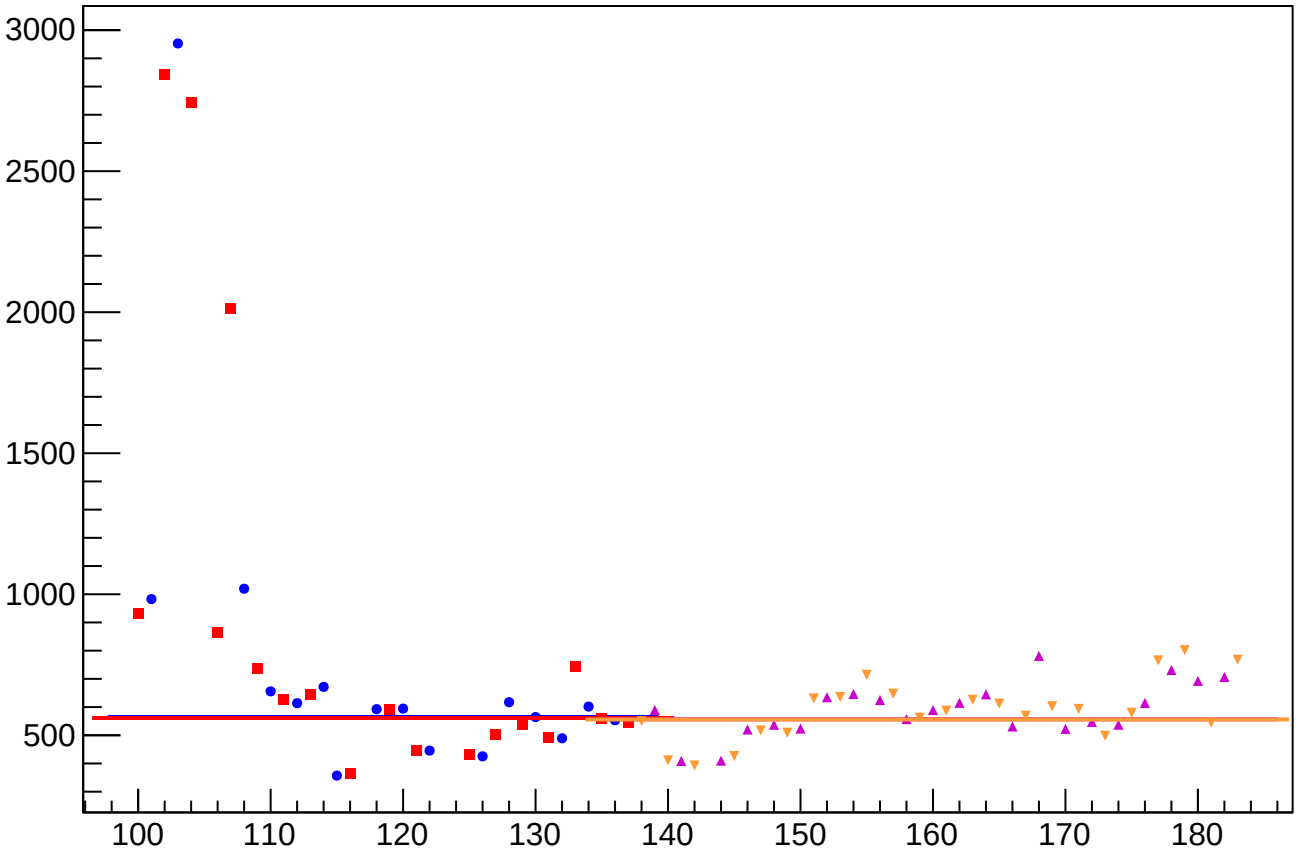
Left: -218.522+/-93.973 χ^2/NDF: 86.8/44

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 25.413+/-114.350 χ^2/NDF:41.0/37

Out: -287.826+/-114.415 χ^2/NDF:89.2/40

All: -131.118+/-80.881 χ^2/NDF: 134.0/78



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 556.059+/-0.094 χ^2/NDF:1160420.6/22

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 556.823+/-0.094 χ^2/NDF:1001216.5/21

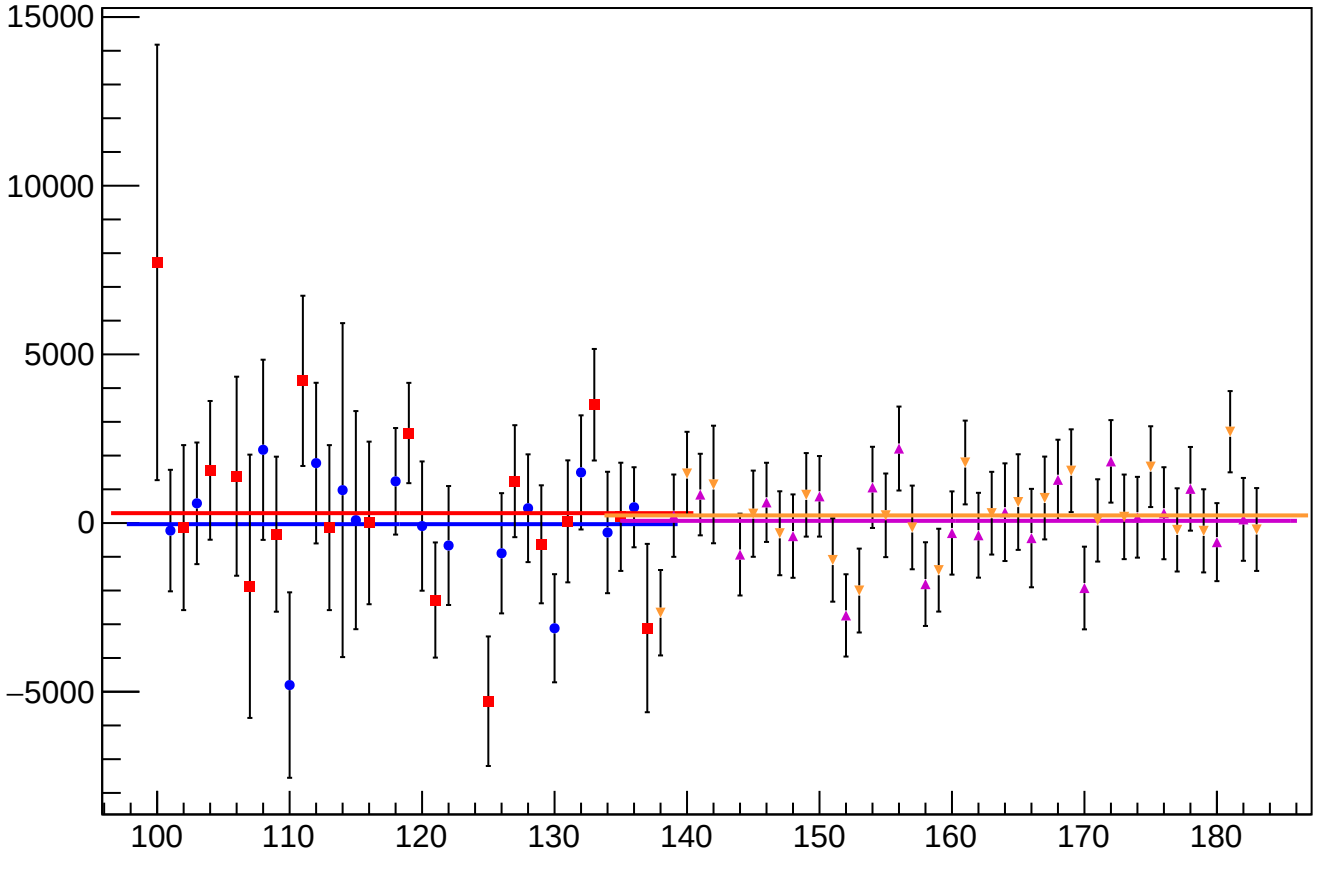
Left: 556.439+/-0.066 χ^2/NDF: 2161670.1/44

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 558.944+/-0.081 χ^2/NDF:2483514.3/37

Out: 557.389+/-0.081 χ^2/NDF:3434581.1/40

All: 558.167+/-0.057 χ^2/NDF: 5918280.3/78



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 226.466+/-261.744 χ^2/NDF:22.2/22

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 65.156+/-263.985 χ^2/NDF:20.1/21

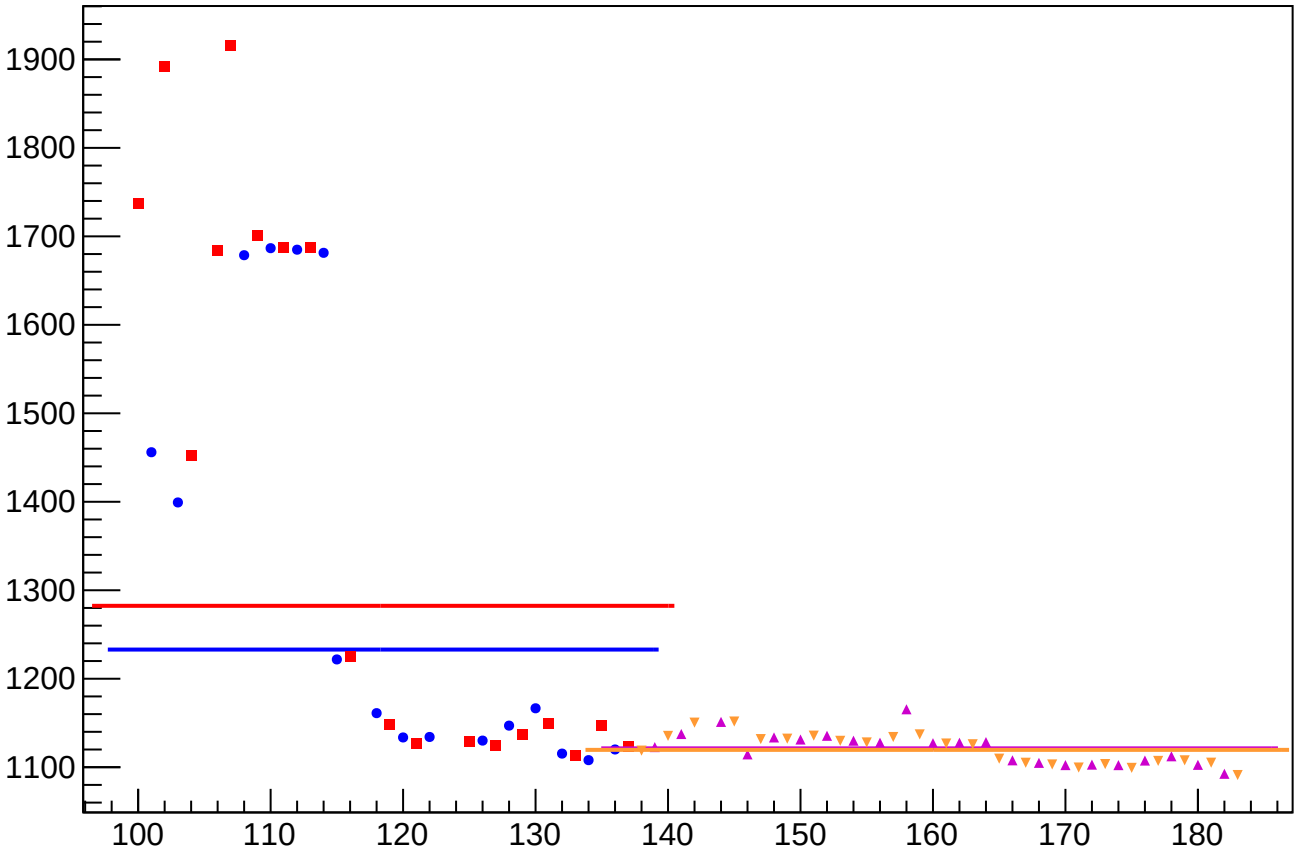
Left: 146.498+/-185.868 χ^2/NDF: 42.5/44

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 41.077+/-229.355 χ^2/NDF:30.4/37

Out: 241.616+/-230.216 χ^2/NDF:46.5/40

All: 140.970+/-162.482 χ^2/NDF: 77.2/78



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1119.601+/-0.185 χ^2/NDF:7907.5/22

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: 1120.447+/-0.131 χ^2/NDF: 16944.0/44

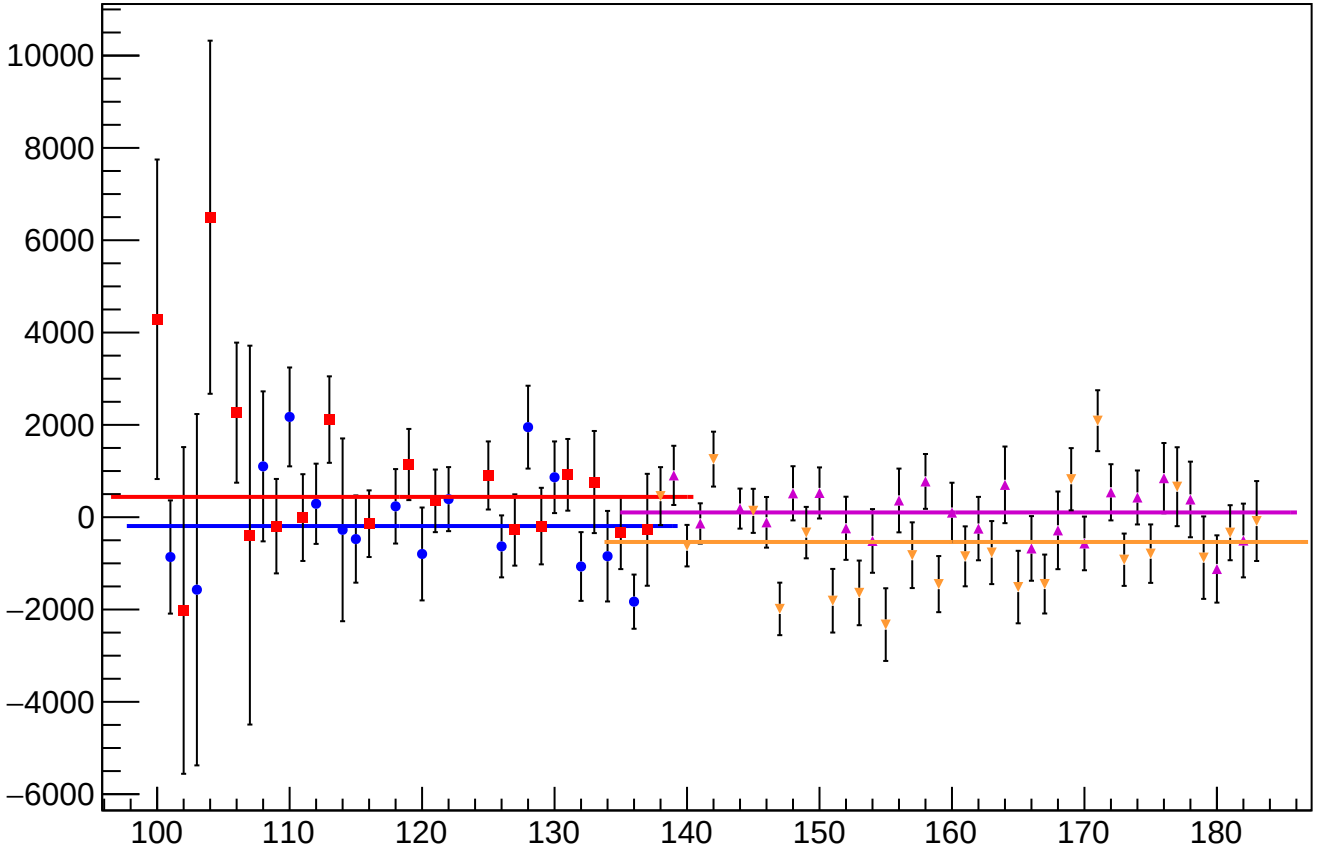
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1148.682+/-0.162 χ^2/NDF:412182.7/37

Out: 1156.460+/-0.163 χ^2/NDF:726492.0/40

All: 1152.556+/-0.115 χ^2/NDF: 1139820.5/78

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: -536.737+/-132.552 χ^2/NDF:60.7/22

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 103.030+/-133.245 χ^2/NDF:14.5/21

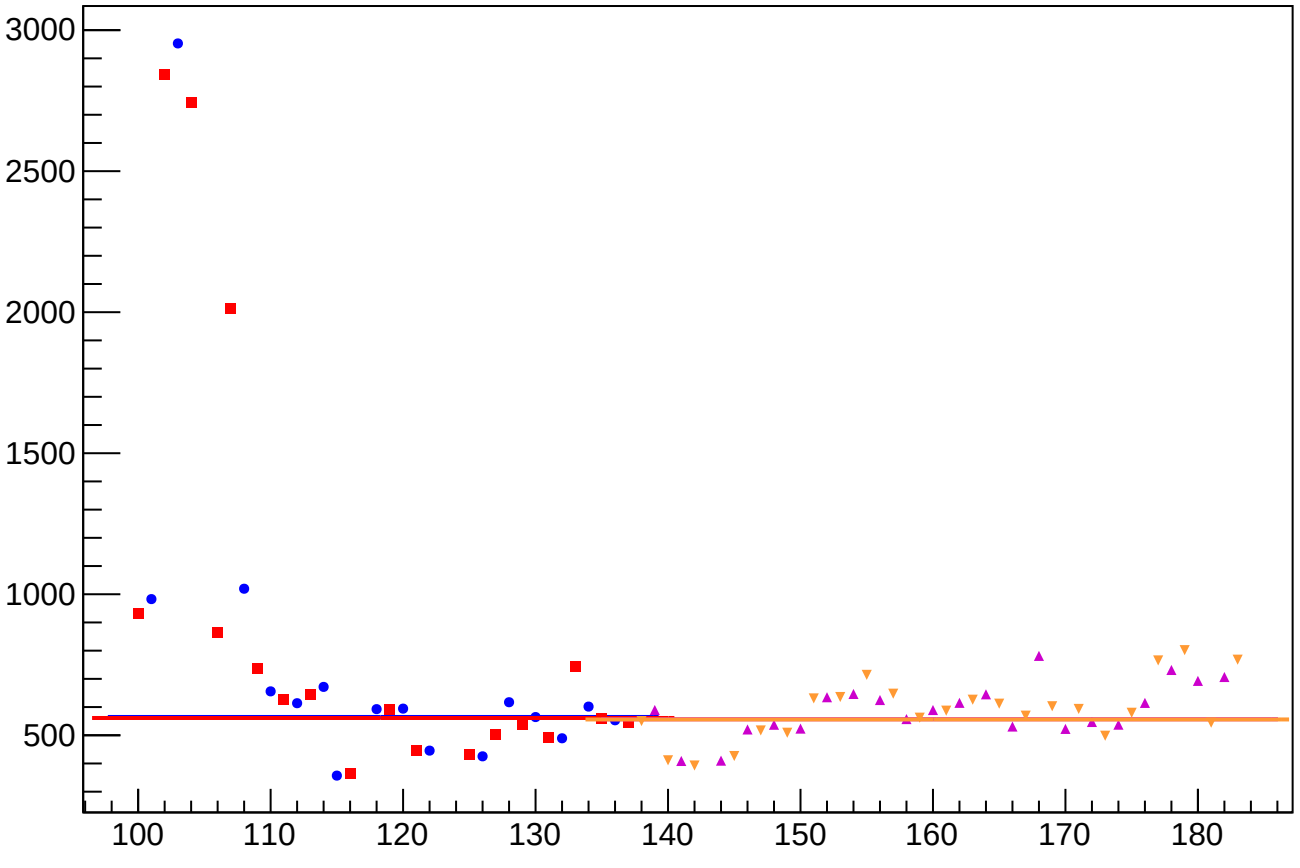
Left: -218.522+/-93.972 χ^2/NDF: 86.8/44

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 25.414+/-114.350 χ^2/NDF:41.0/37

Out: -287.825+/-114.414 χ^2/NDF:89.2/40

All: -131.118+/-80.880 χ^2/NDF: 134.0/78



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 556.059+/-0.094 χ^2/NDF:1160441.3/22

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 556.823+/-0.094 χ^2/NDF:1001230.7/21

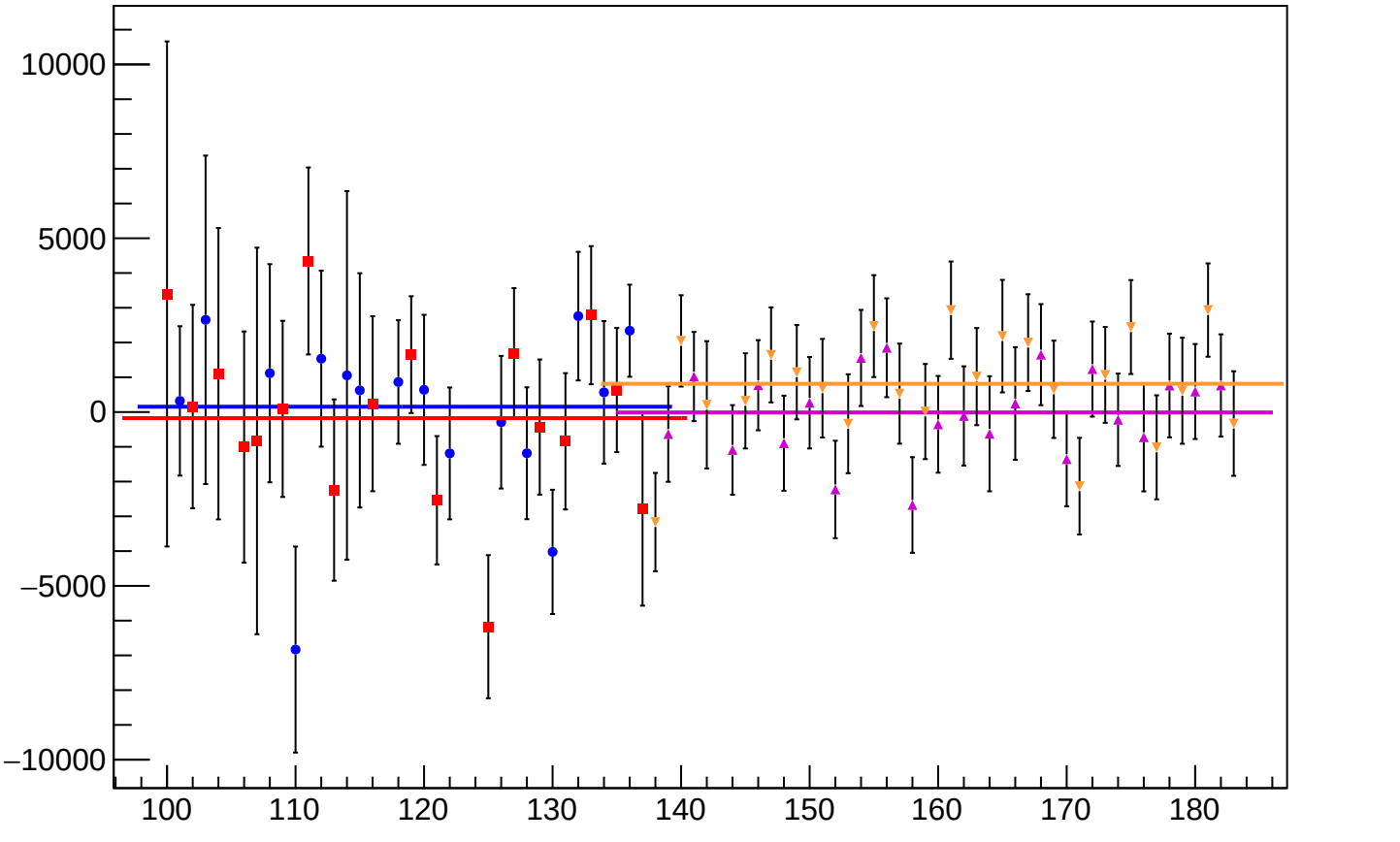
Left: 556.439+/-0.066 χ^2/NDF: 2161705.1/44

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 558.943+/-0.081 χ^2/NDF:2483526.2/37

Out: 557.388+/-0.081 χ^2/NDF:3434602.7/40

All: 558.166+/-0.057 χ^2/NDF: 5918313.8/78



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 813.749+/-296.730 χ^2/NDF:26.1/22

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: 403.298+/-210.385 χ^2/NDF: 45.9/44

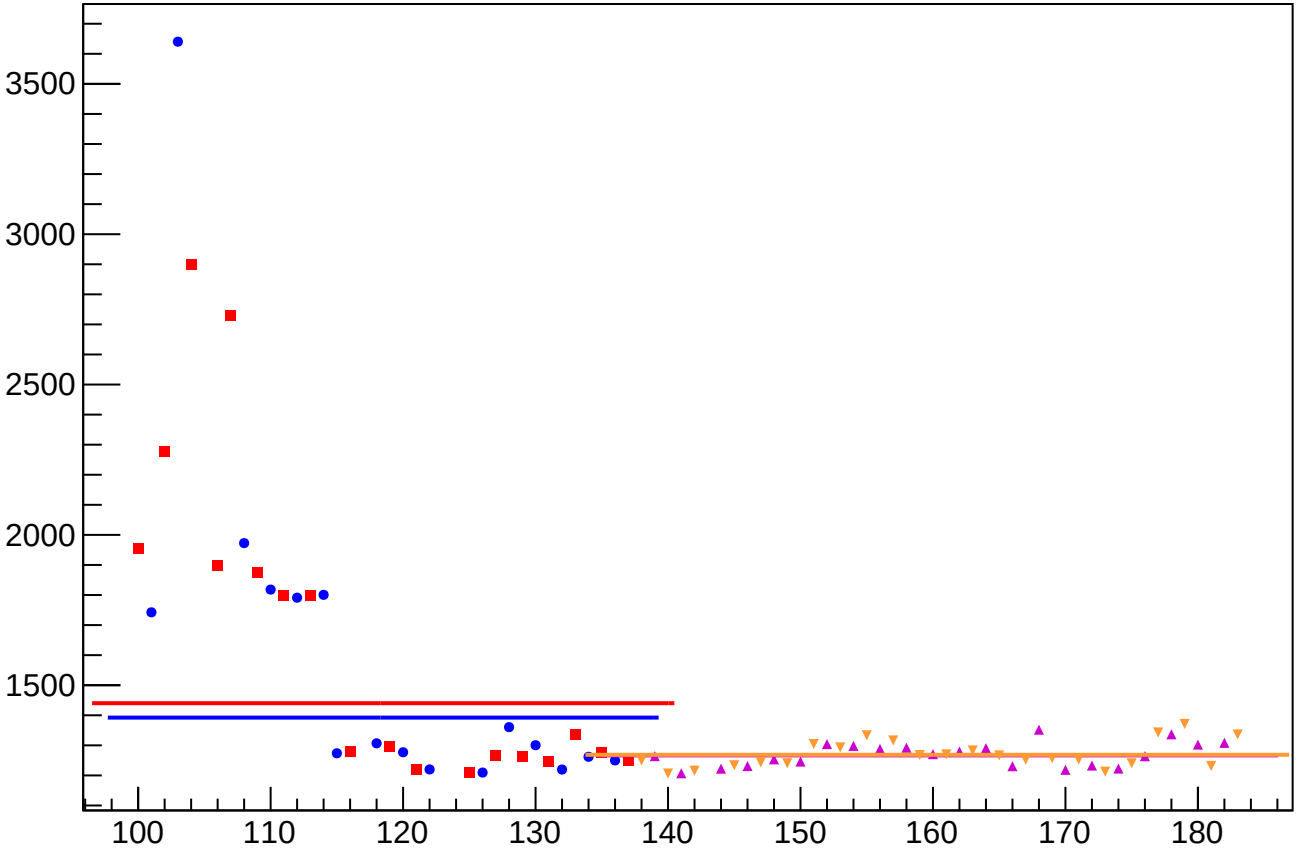
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: 27.852+/-260.224 χ^2/NDF:33.8/37

Out: 591.087+/-261.164 χ^2/NDF:48.3/40

All: 308.454+/-184.338 χ^2/NDF: 84.4/78

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1268.648+/-0.210 χ^2/NDF:41919.8/22

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1266.627+/-0.211 χ^2/NDF:34268.3/21

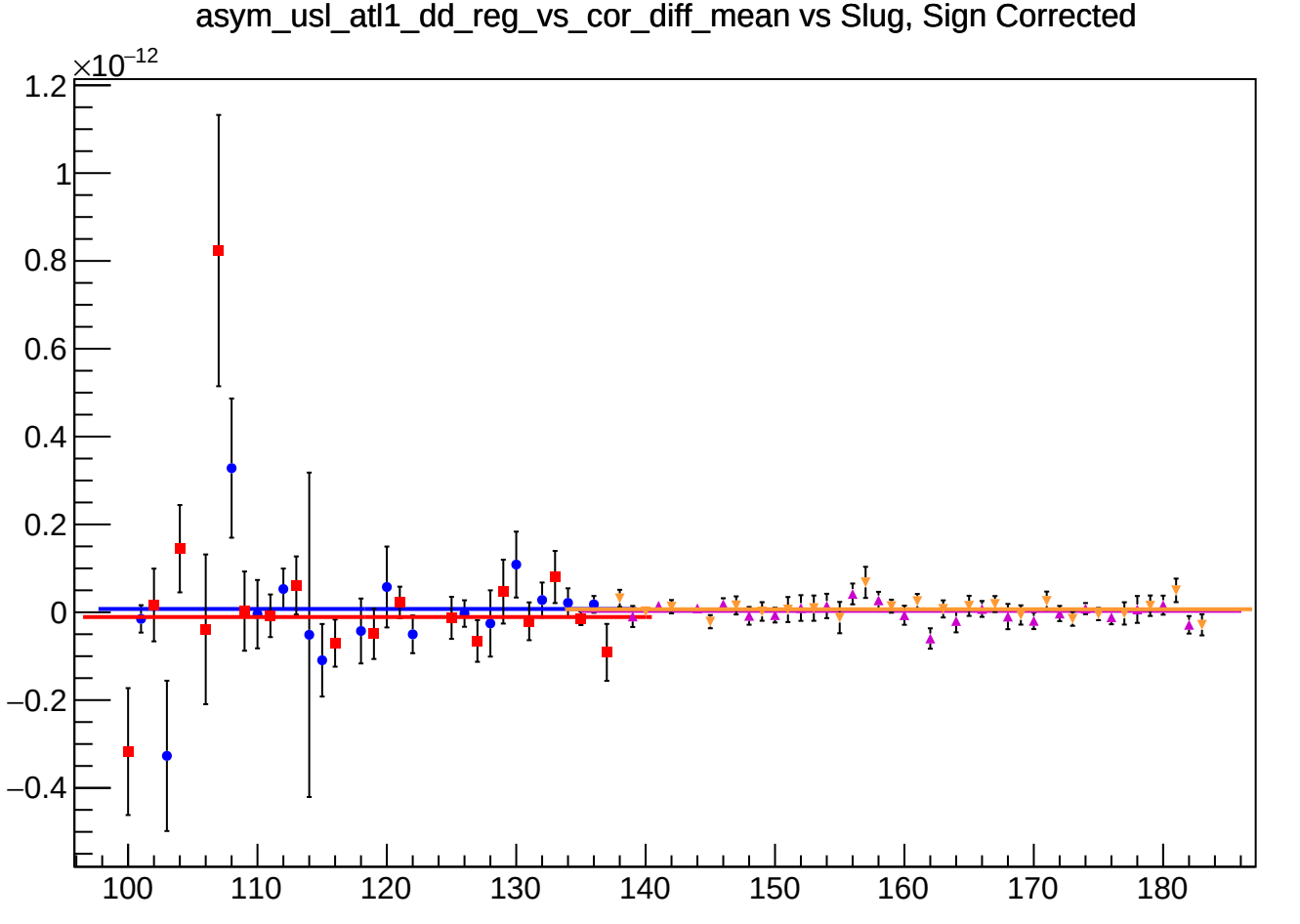
Left: 1267.643+/-0.149 χ^2/NDF: 76234.3/44

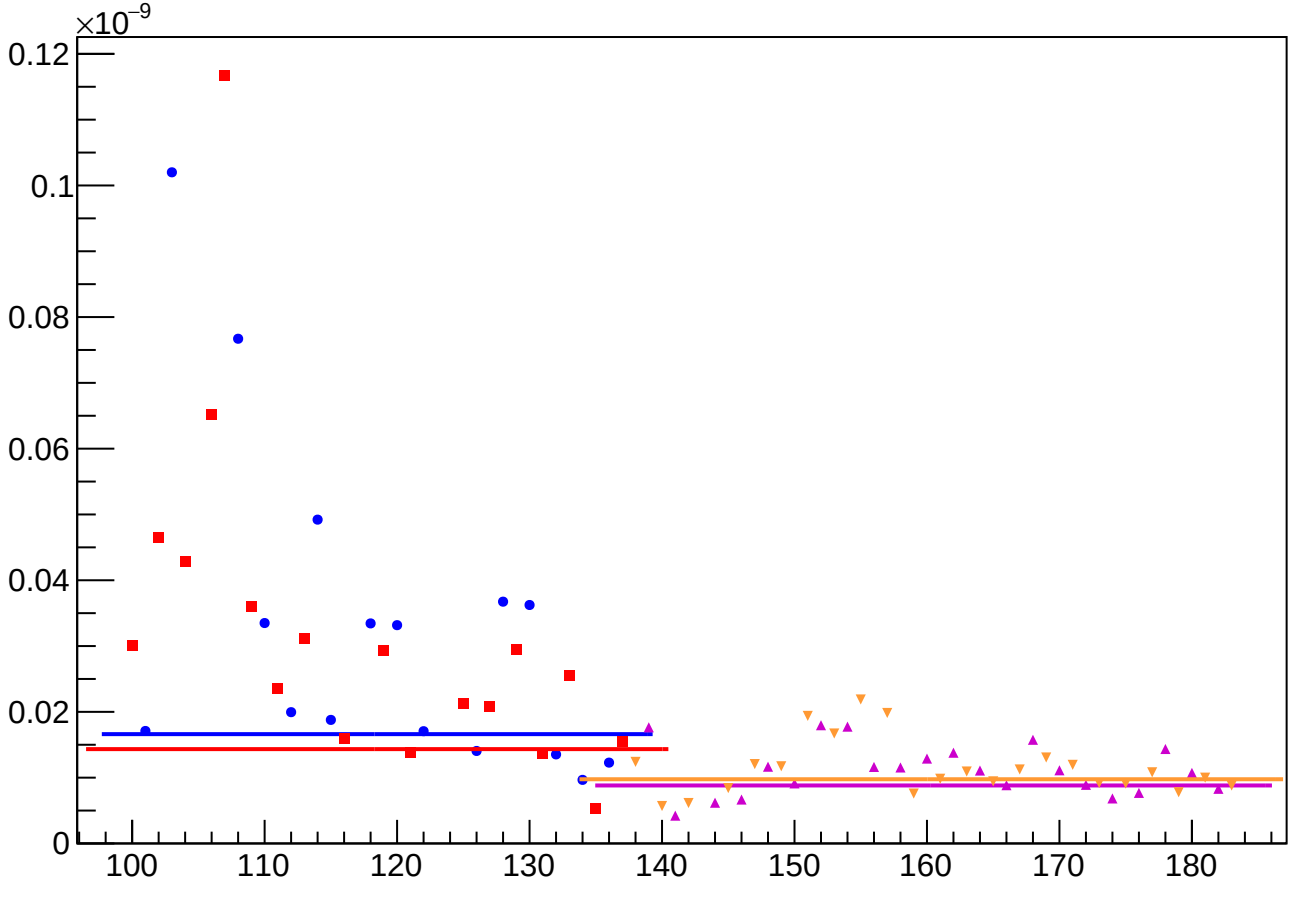
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1296.684+/-0.184 χ^2/NDF:898390.5/37

Out: 1307.313+/-0.185 χ^2/NDF:1047491.0/40

All: 1301.979+/-0.130 χ^2/NDF: 1947543.8/78


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:19.6/22
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: 42.5/44
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:46.1/40
All: 0.000+/-0.000 χ²/NDF: 85.6/78



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1373339.2/22

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: 3331208.8/44

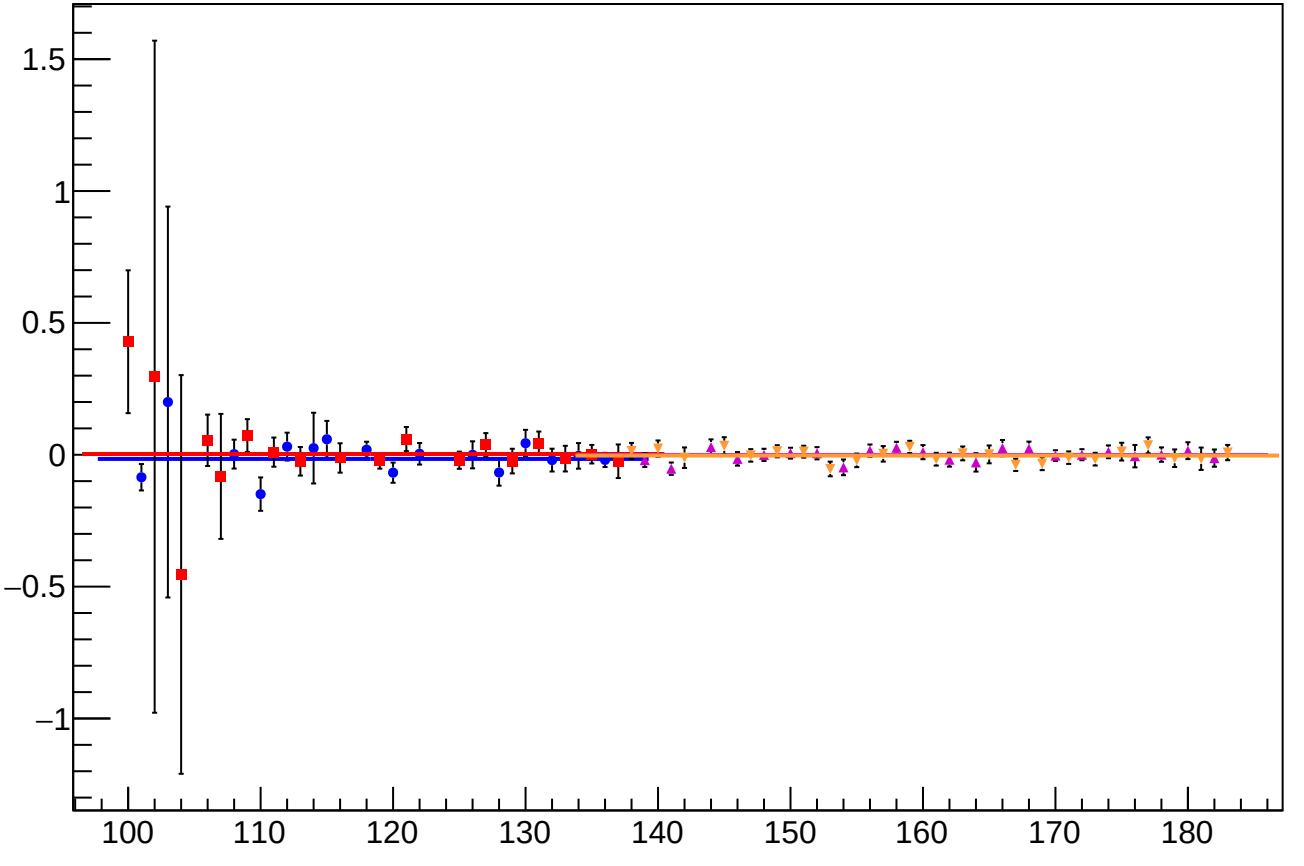
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4392193.3/37

Out: 0.000+/-0.000 χ^2/NDF:3958861.5/40

All: 0.000+/-0.000 χ^2/NDF: 8386502.1/78

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:16.1/22

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: 31.1/44

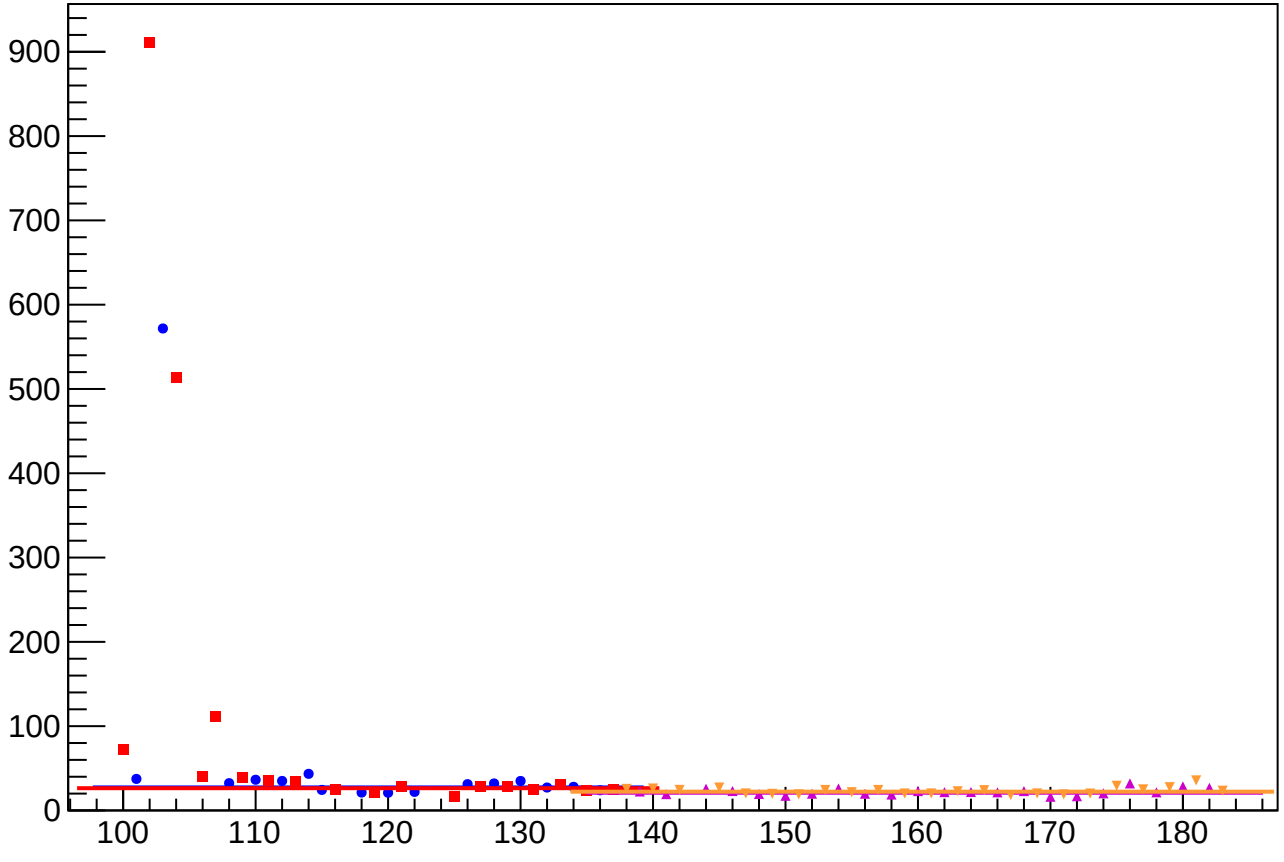
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.9/37

Out: -0.002+/-0.005 χ^2/NDF:26.2/40

All: -0.003+/-0.004 χ^2/NDF: 57.1/78

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.269+/-0.004 χ^2/NDF:728360.8/22

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: 21.618+/-0.003 χ^2/NDF: 1539402.1/44

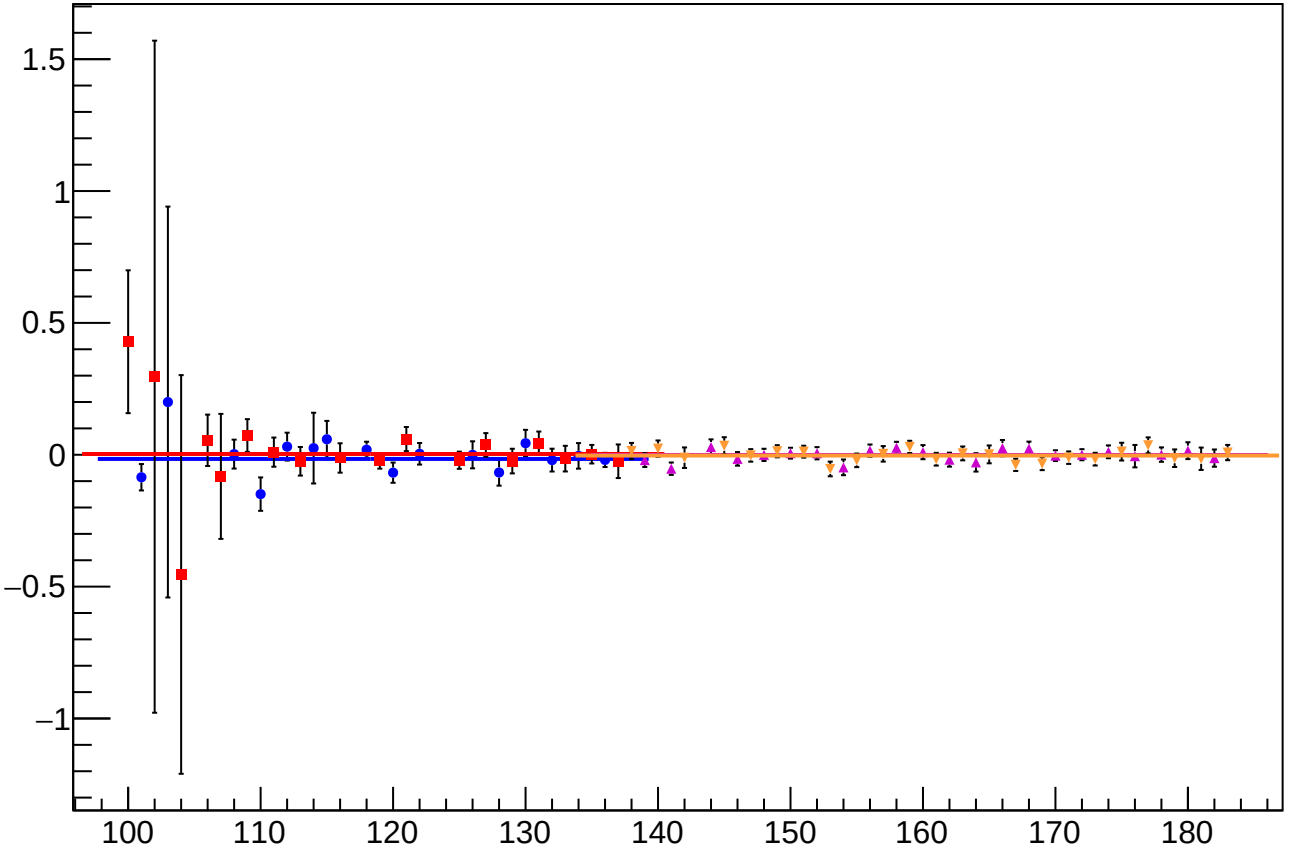
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.172+/-0.004 χ^2/NDF:2812414.5/37

Out: 23.027+/-0.004 χ^2/NDF:3535885.1/40

All: 22.583+/-0.003 χ^2/NDF: 6376918.4/78

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:16.1/22

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: 31.1/44

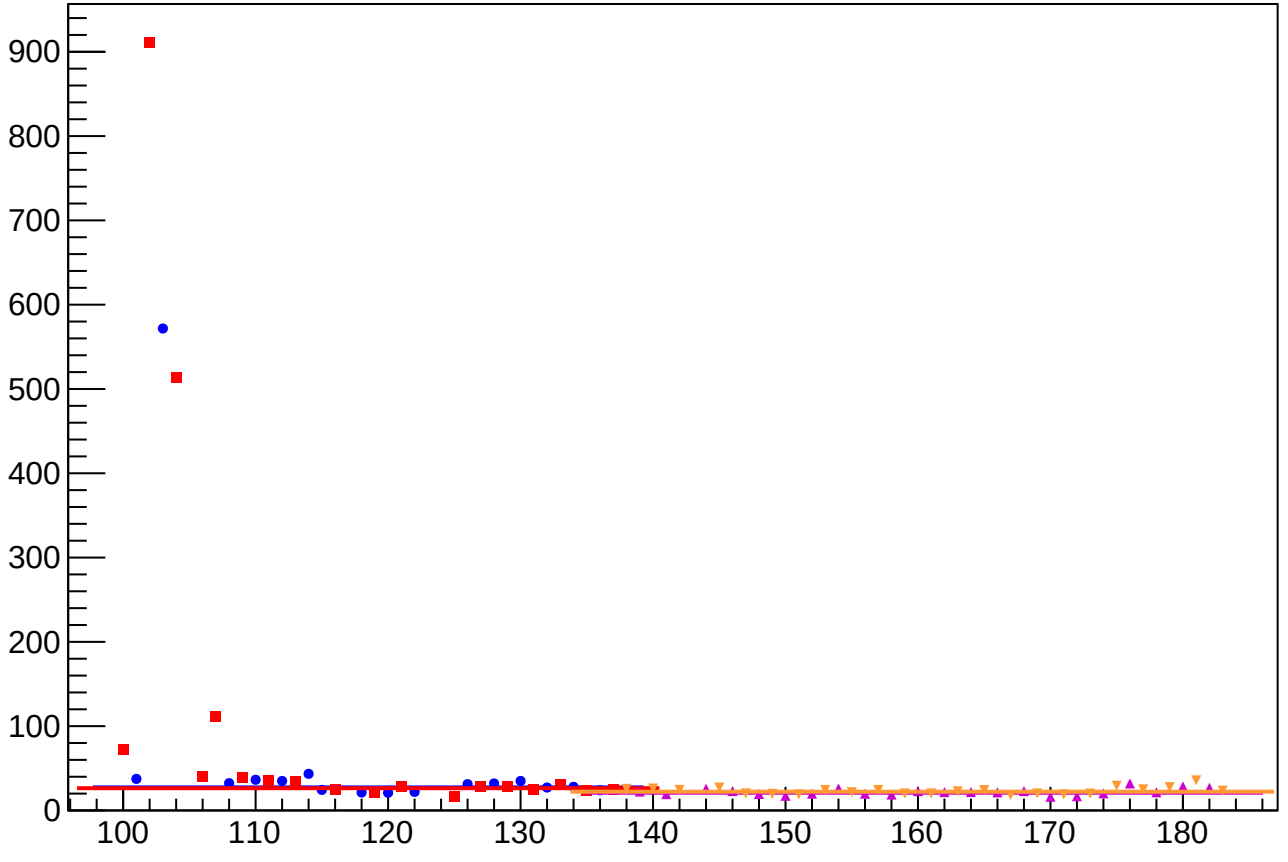
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.9/37

Out: -0.002+/-0.005 χ^2/NDF:26.2/40

All: -0.003+/-0.004 χ^2/NDF: 57.1/78

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: 22.269+/-0.004 χ^2/NDF:728360.8/22

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.015+/-0.004 χ^2/NDF:760778.6/21

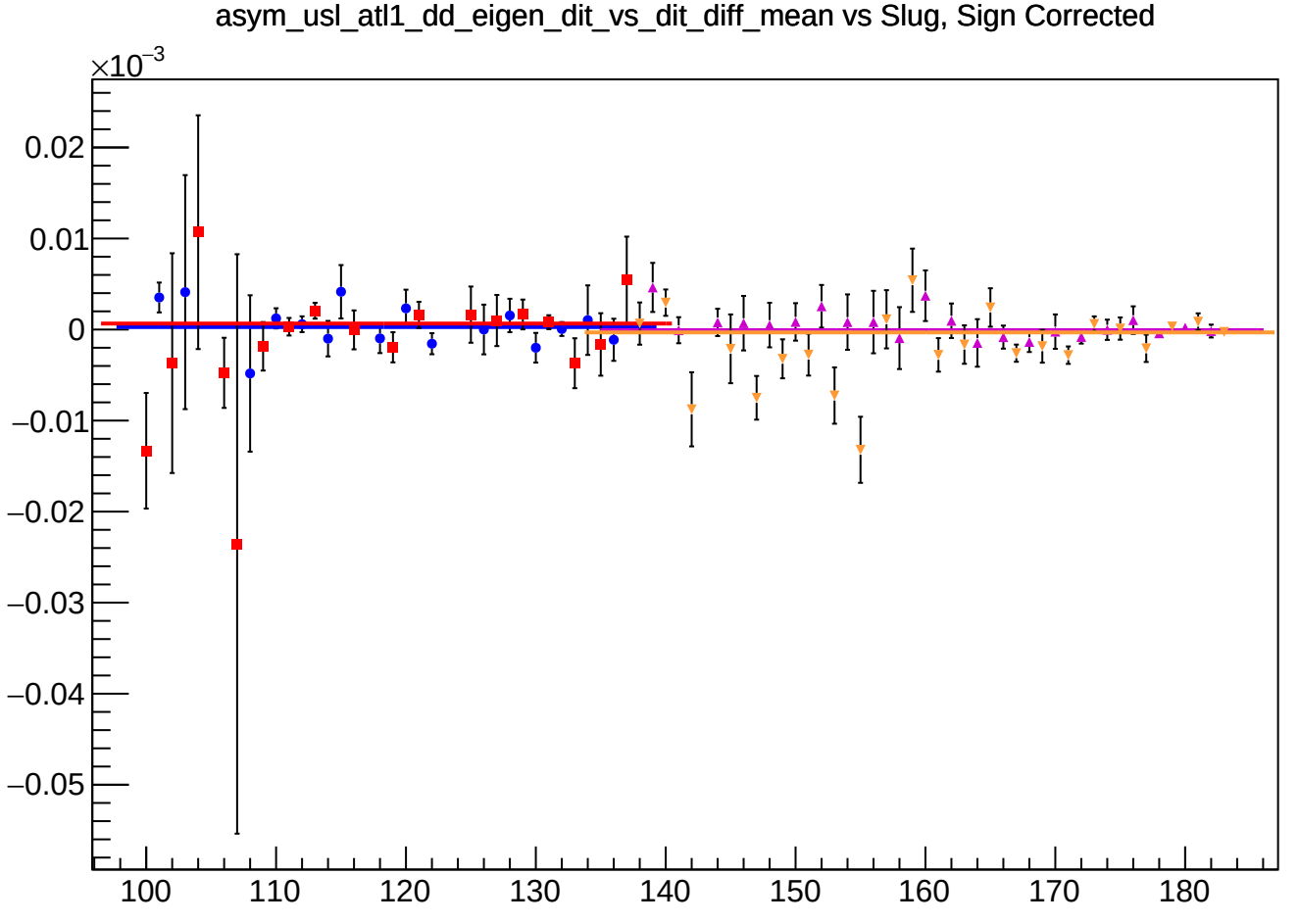
Left: 21.618+/-0.003 χ^2/NDF: 1539402.1/44

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.172+/-0.004 χ^2/NDF:2812414.5/37

Out: 23.027+/-0.004 χ^2/NDF:3535885.1/40

All: 22.583+/-0.003 χ^2/NDF: 6376918.4/78



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:67.8/22

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: 81.0/44

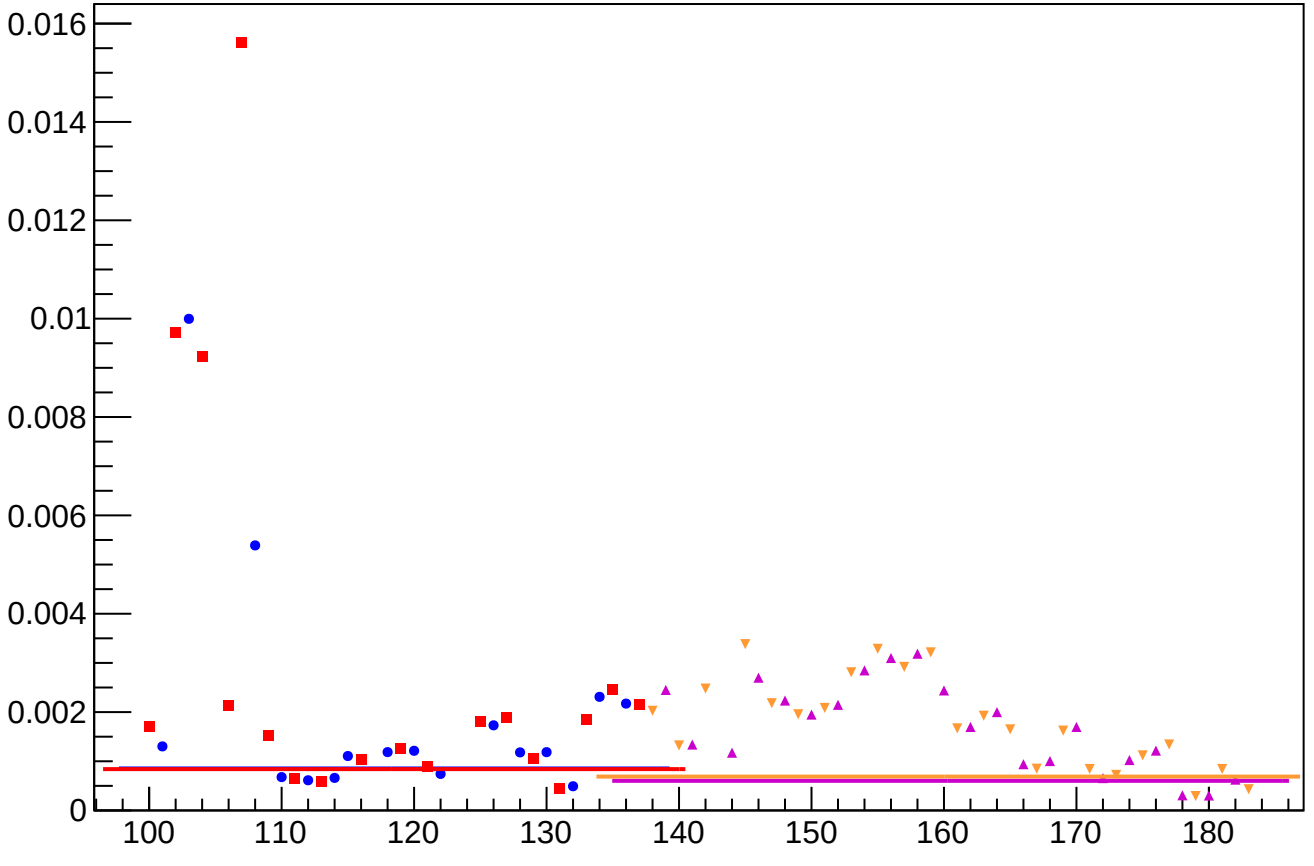
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:27.5/37

Out: -0.000+/-0.000 χ^2/NDF:91.7/40

All: -0.000+/-0.000 χ^2/NDF: 119.4/78

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:15112721.9/22

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: 30745584.2/44

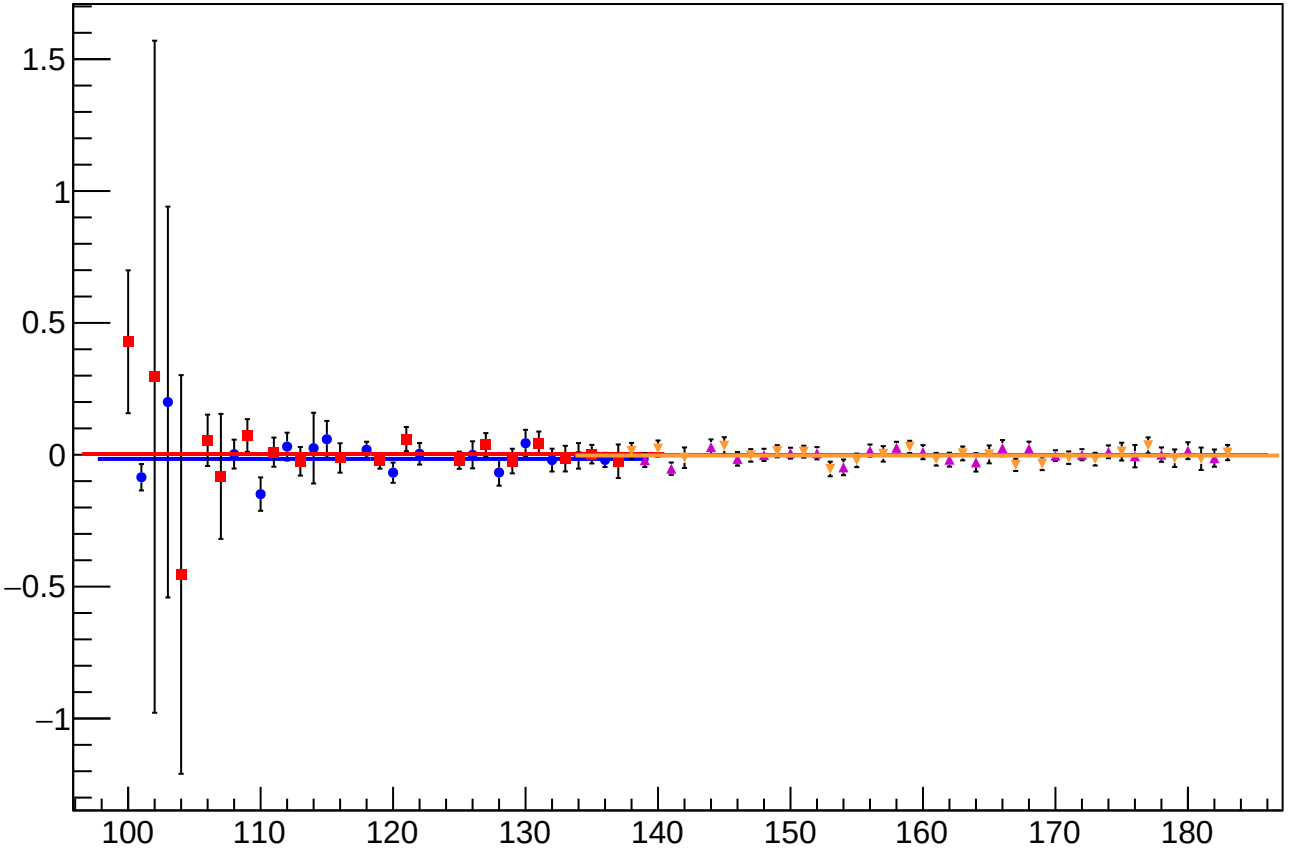
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:20018475.5/37

Out: 0.001+/-0.000 χ^2/NDF:20377697.3/40

All: 0.001+/-0.000 χ^2/NDF: 40532381.8/78

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:16.1/22

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.005 χ^2/NDF:14.9/21

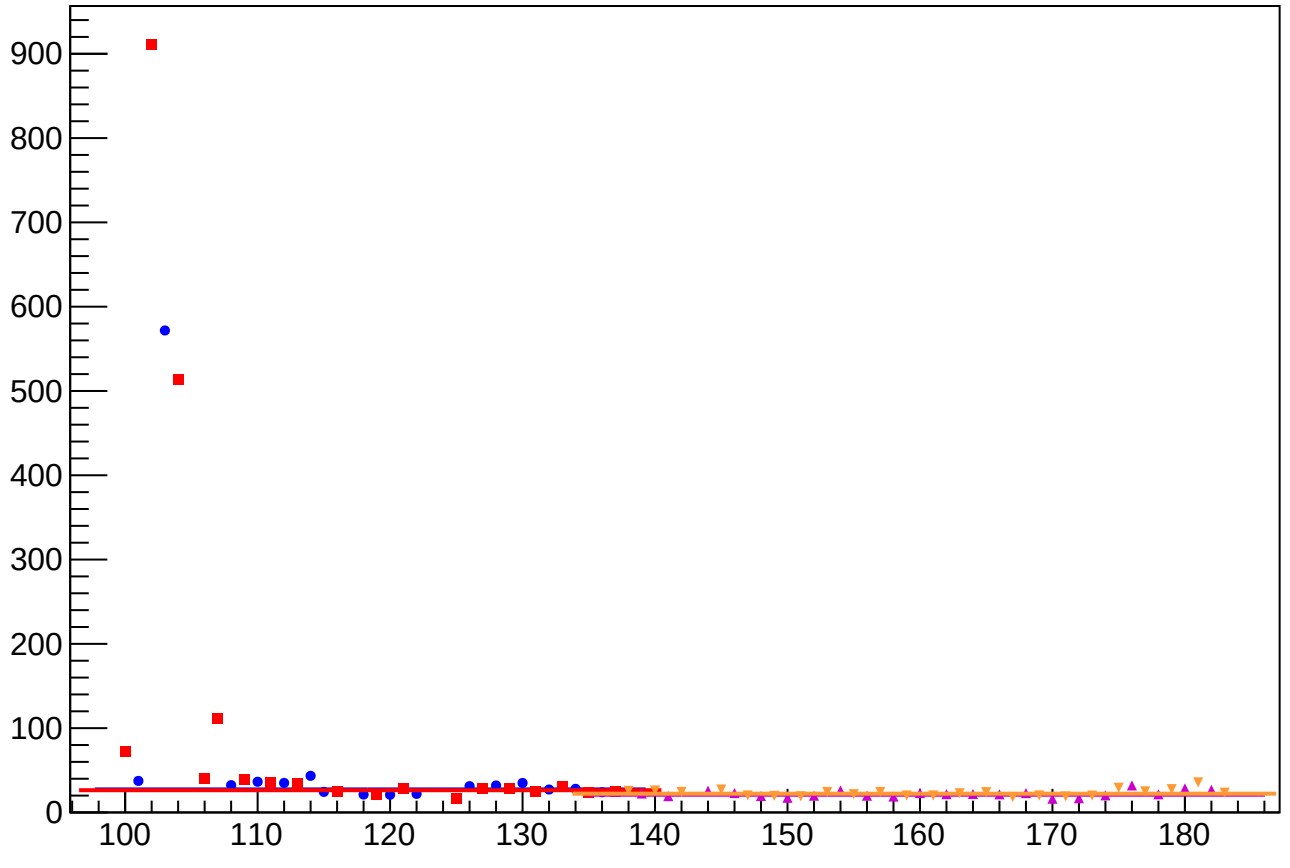
Left: -0.002+/-0.004 χ^2/NDF: 31.1/44

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:26.2/40

All: -0.003+/-0.004 χ^2/NDF: 57.1/78



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.269+/-0.004 χ^2/NDF:728331.6/22

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: 21.618+/-0.003 χ^2/NDF: 1539382.1/44

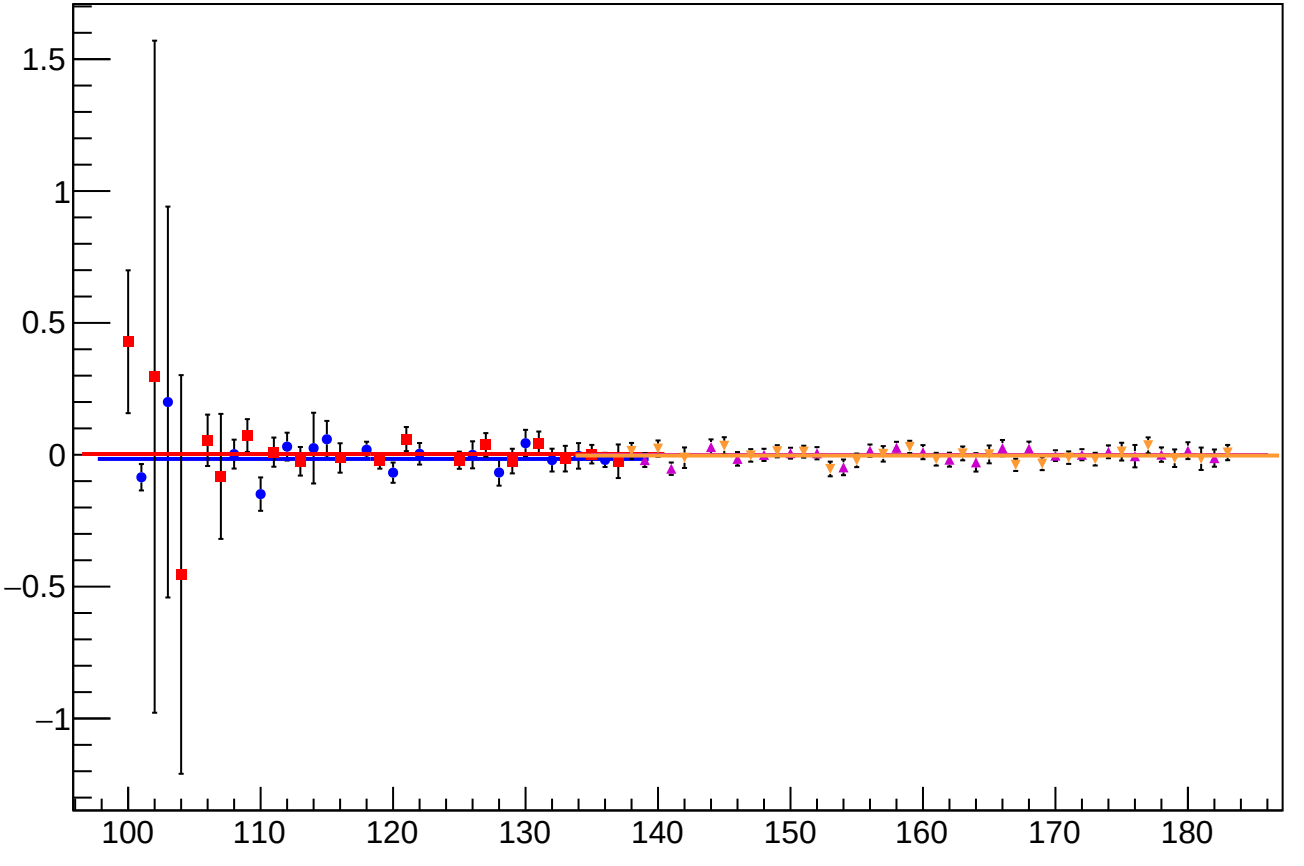
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.172+/-0.004 χ^2/NDF:2812426.0/37

Out: 23.027+/-0.004 χ^2/NDF:3535879.3/40

All: 22.583+/-0.003 χ^2/NDF: 6376922.9/78

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:16.1/22

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: 31.1/44

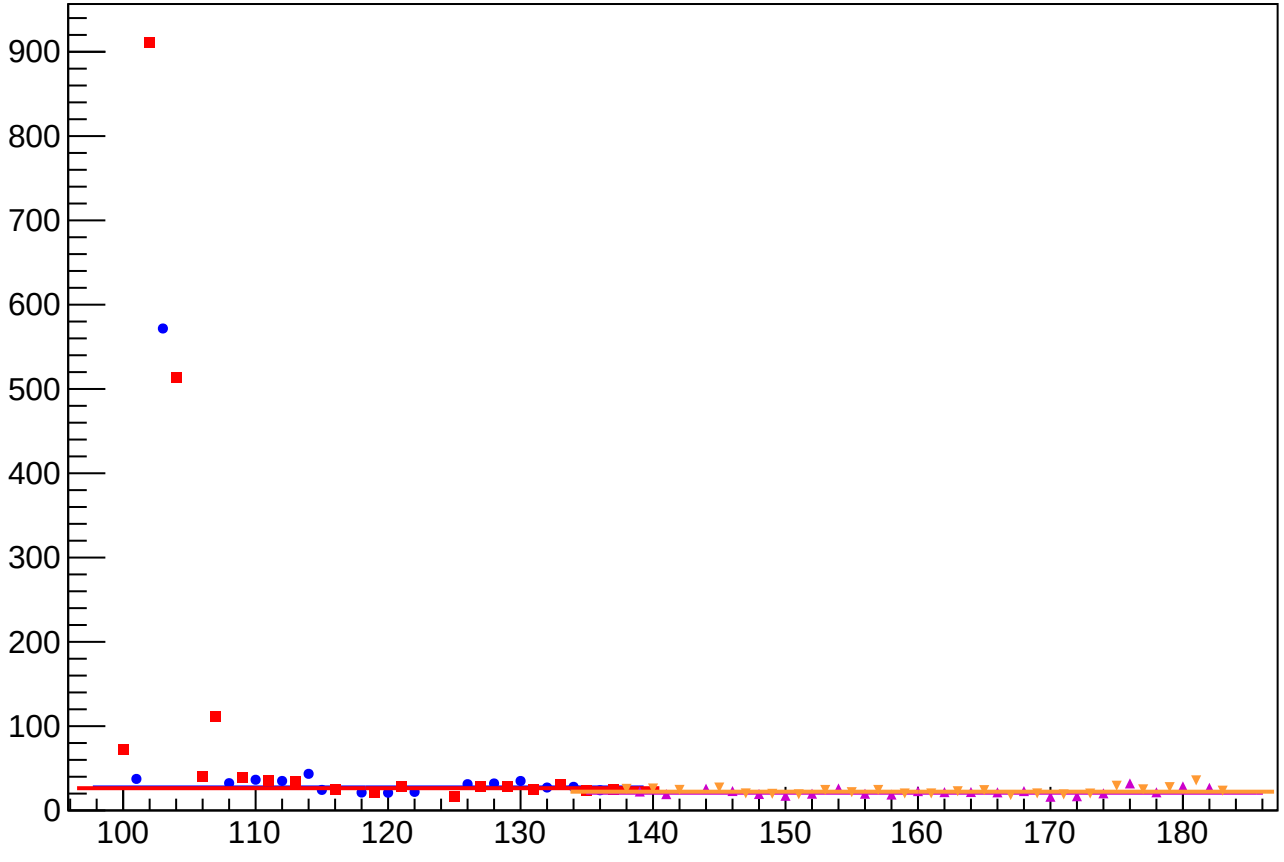
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.9/37

Out: -0.002+/-0.005 χ^2/NDF:26.2/40

All: -0.003+/-0.004 χ^2/NDF: 57.1/78

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: 22.269+/-0.004 χ^2/NDF:728331.6/22

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.015+/-0.004 χ^2/NDF:760789.8/21

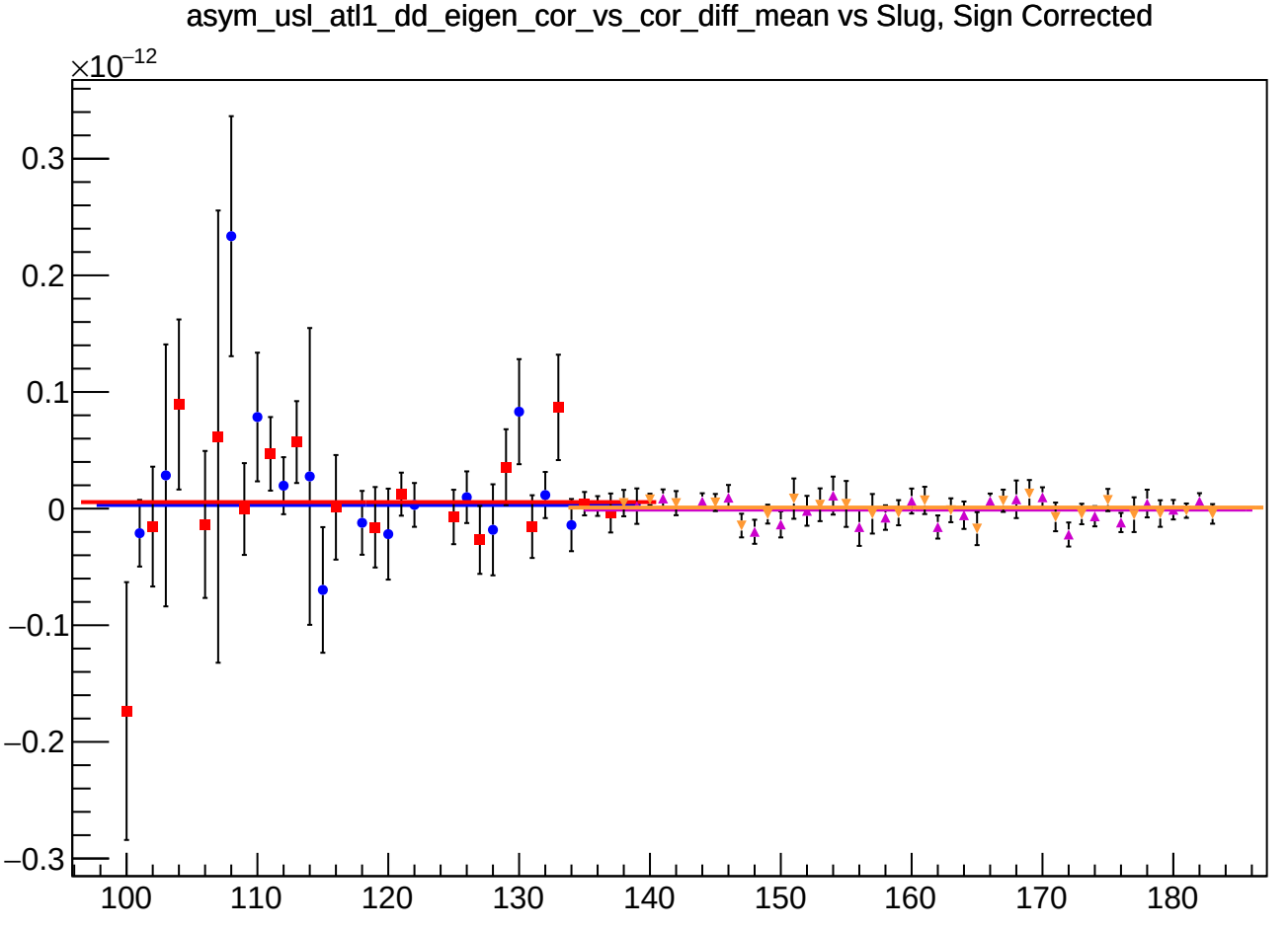
Left: 21.618+/-0.003 χ^2/NDF: 1539382.1/44

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.172+/-0.004 χ^2/NDF:2812426.0/37

Out: 23.027+/-0.004 χ^2/NDF:3535879.3/40

All: 22.583+/-0.003 χ^2/NDF: 6376922.9/78



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/22

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: 35.5/44

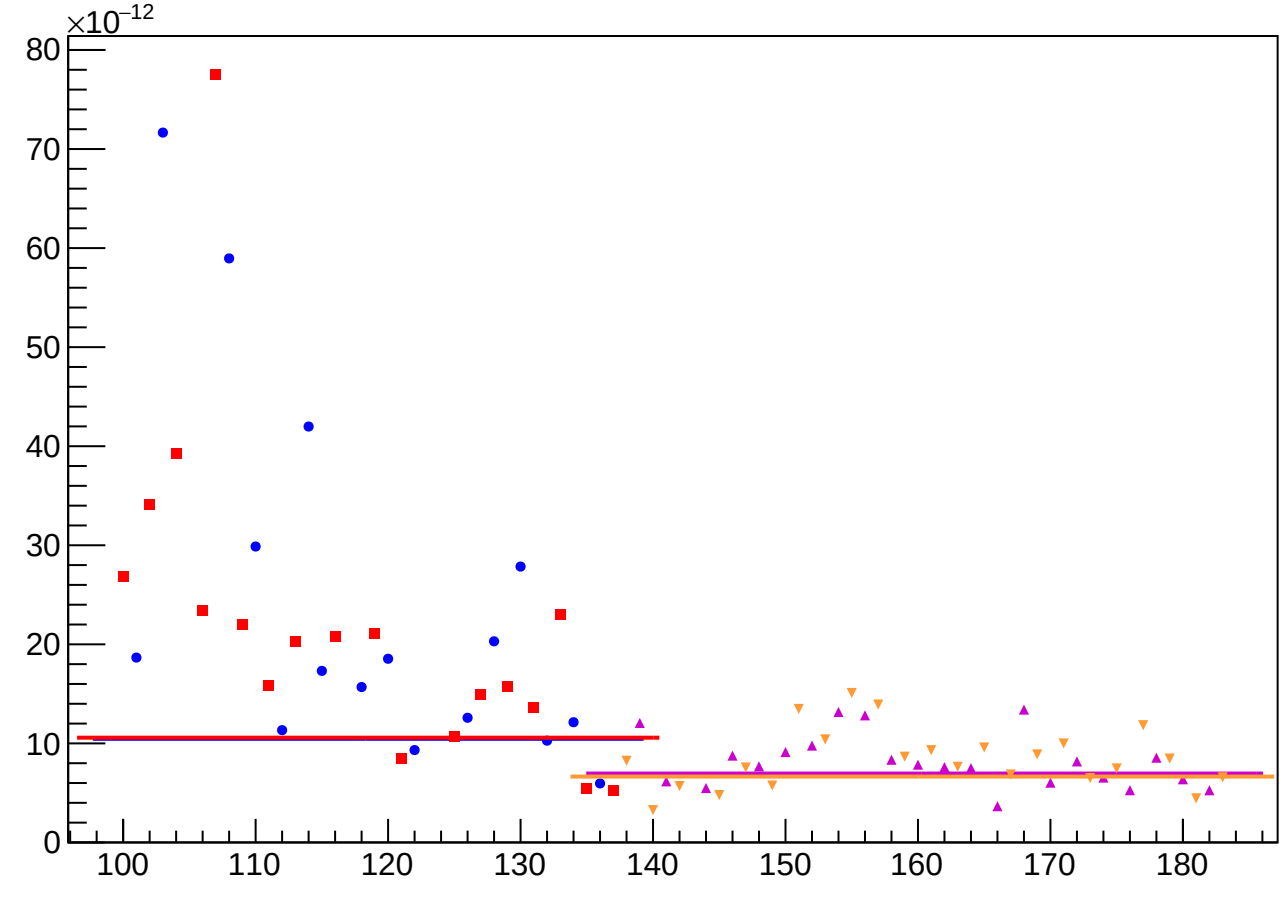
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: -0.000+/-0.000 χ^2/NDF:39.0/37

Out: 0.000+/-0.000 χ^2/NDF:27.3/40

All: 0.000+/-0.000 χ^2/NDF: 66.8/78

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3427043.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2309391.5/21

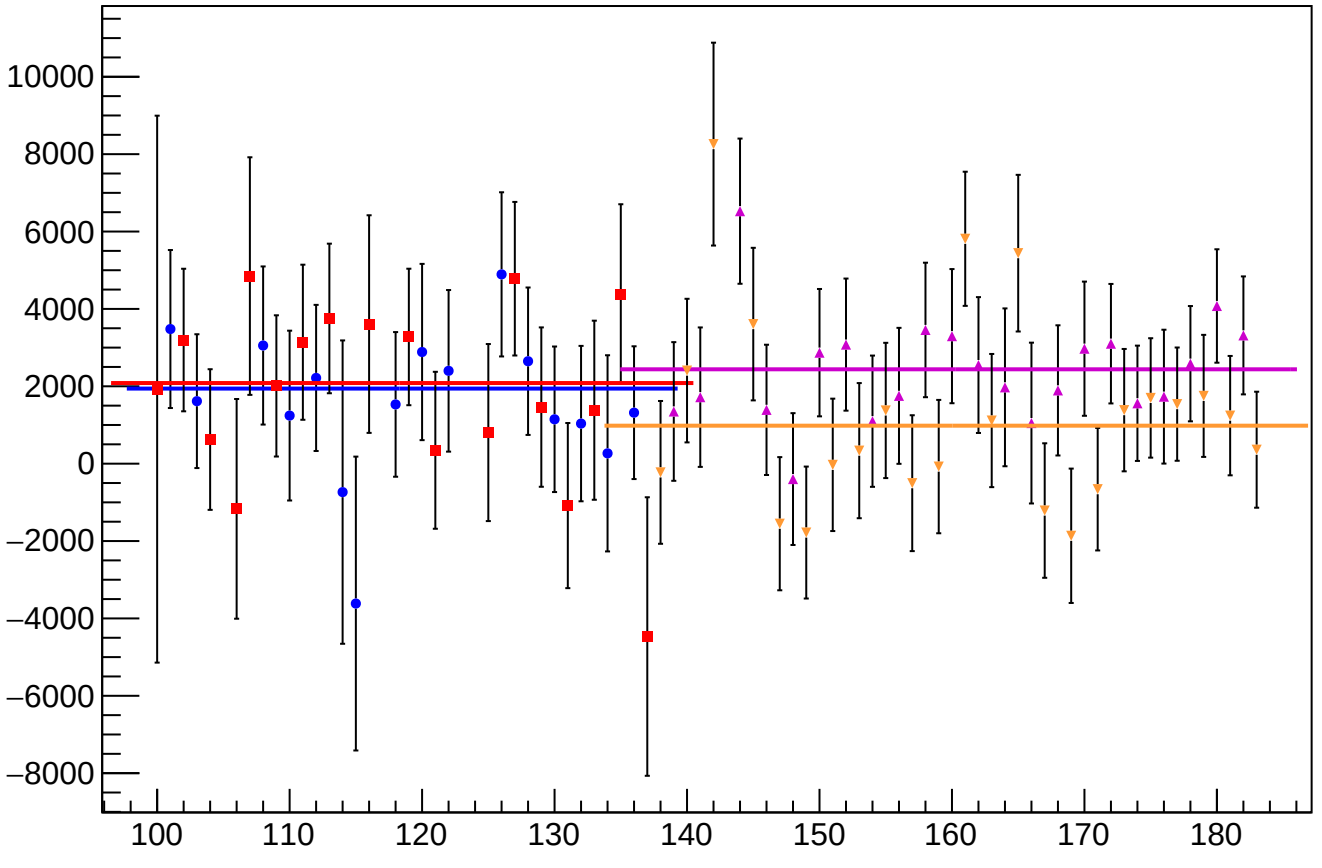
Left: 0.000+/-0.000 χ^2/NDF: 5758919.7/44

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:5765813.7/37

Out: 0.000+/-0.000 χ^2/NDF:6948973.9/40

All: 0.000+/-0.000 χ^2/NDF: 12742653.8/78



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 981.991+/-356.810 χ^2/NDF:35.8/22

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2439.228+/-360.855 χ^2/NDF:13.0/21

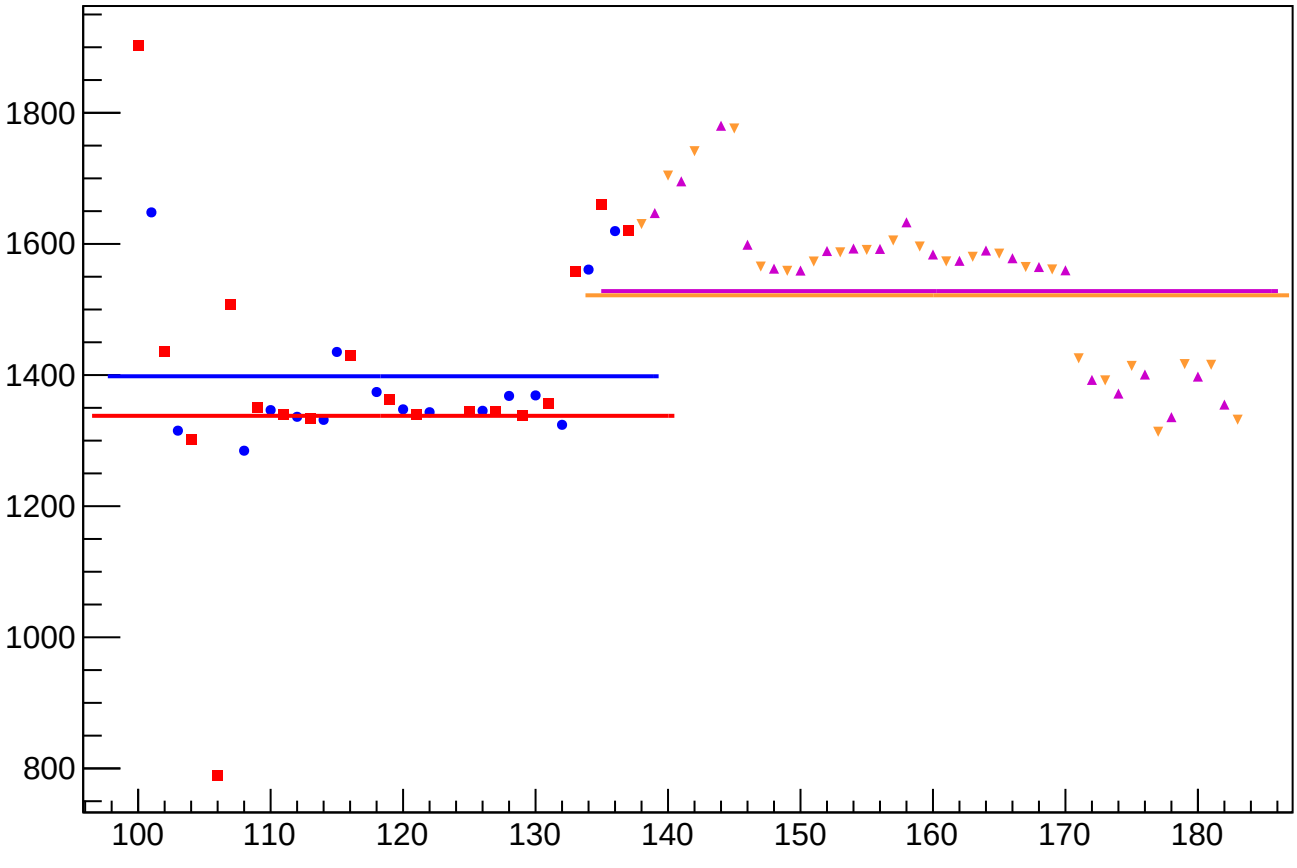
Left: 1702.396+/-253.721 χ^2/NDF: 57.0/44

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2278.187+/-296.865 χ^2/NDF:20.5/37

Out: 1335.128+/-294.133 χ^2/NDF:53.3/40

All: 1802.298+/-208.943 χ^2/NDF: 78.9/78



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1521.648+/-0.252 χ^2/NDF:221616.7/22

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1528.069+/-0.255 χ^2/NDF:213951.6/21

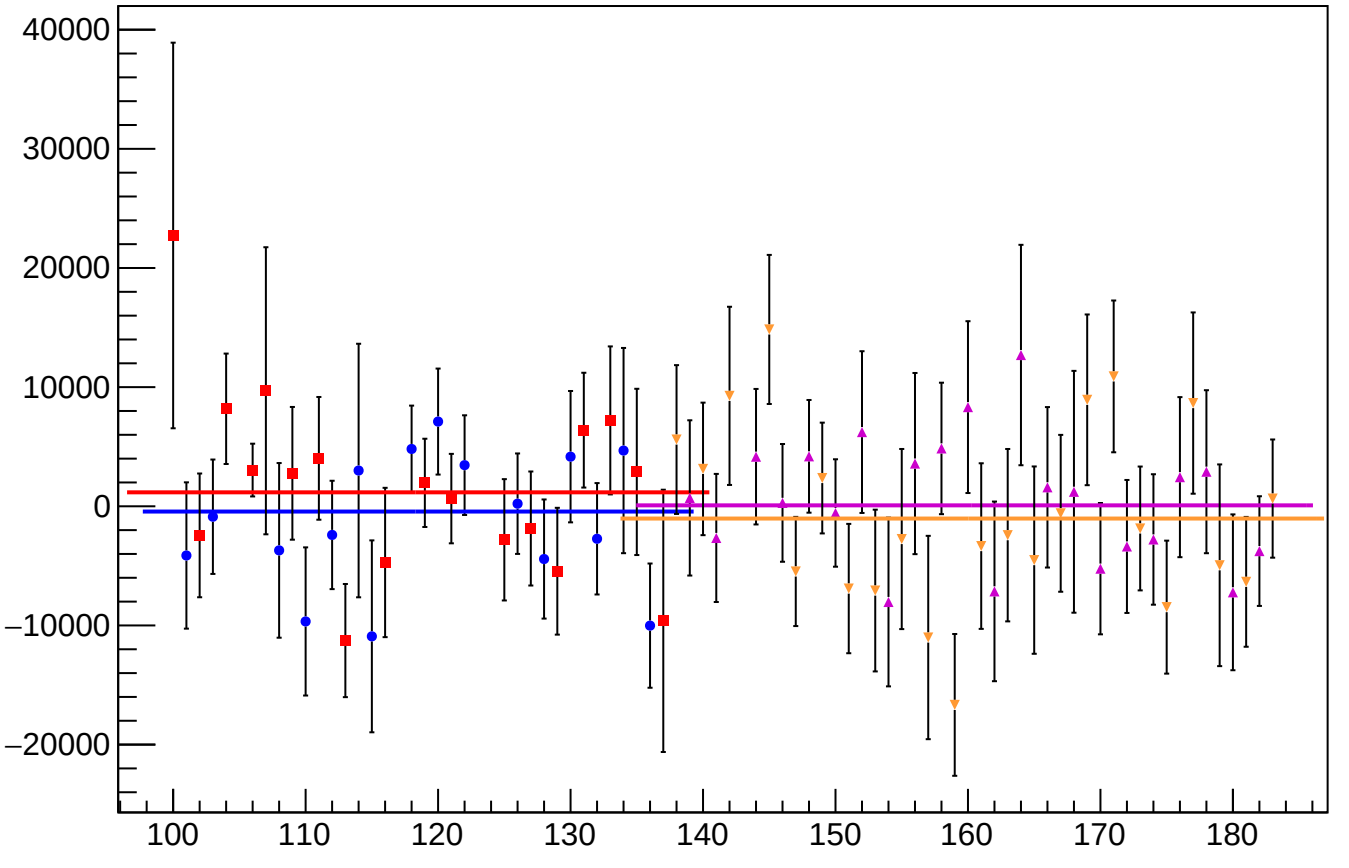
Left: 1524.822+/-0.179 χ^2/NDF: 435888.6/44

Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1486.081+/-0.210 χ^2/NDF:391651.8/37

Out: 1460.164+/-0.206 χ^2/NDF:716933.0/40

All: 1472.868+/-0.147 χ^2/NDF: 1116356.0/78



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1028.193+/-1282.063 χ^2/NDF:32.3/22

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 78.585+/-1281.879 χ^2/NDF:12.6/21

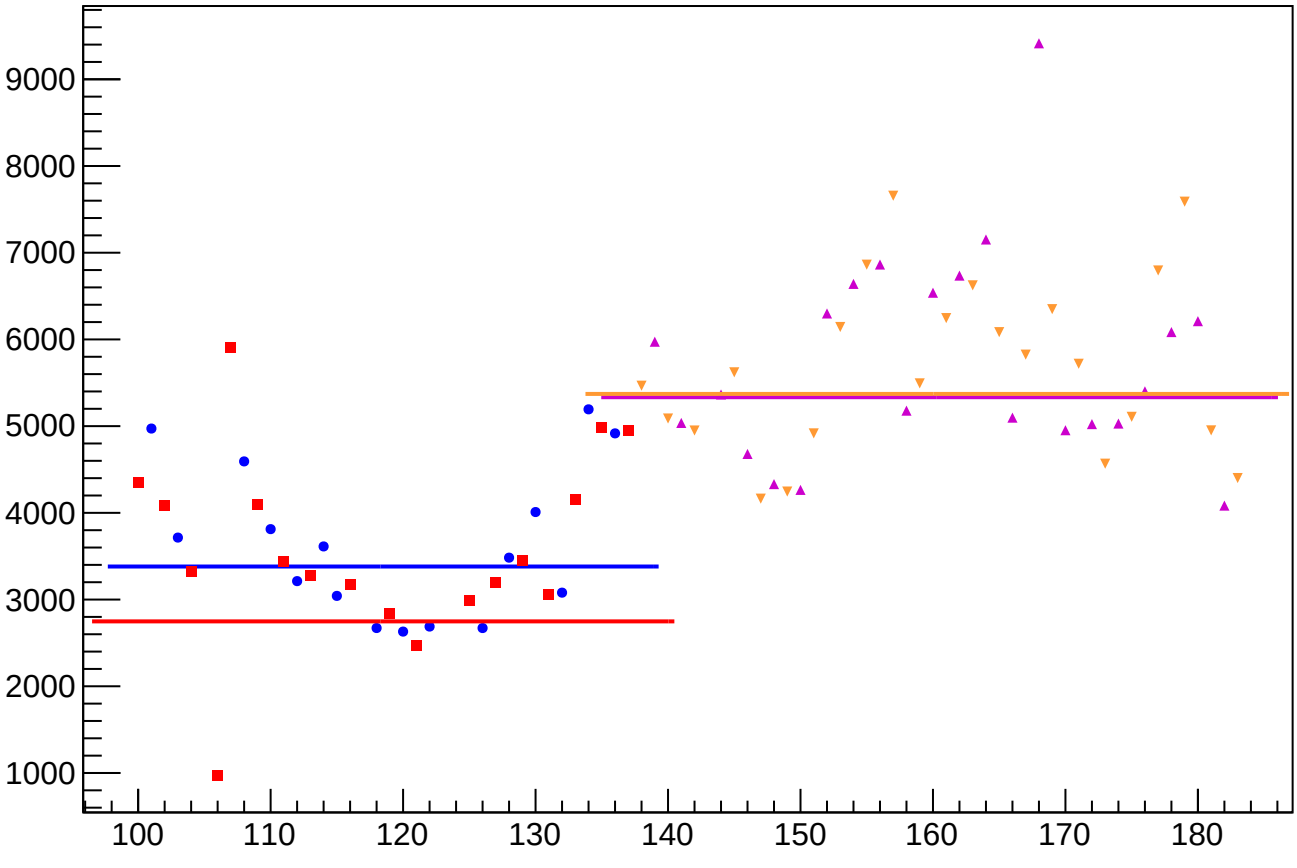
Left: -474.724+/-906.490 χ^2/NDF: 45.3/44

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: -178.446+/-911.348 χ^2/NDF:28.6/37

Out: 219.524+/-843.427 χ^2/NDF:53.6/40

All: 35.920+/-619.014 χ^2/NDF: 82.3/78



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5371.499+/-0.907 χ^2/NDF:1042371.1/22

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5333.658+/-0.906 χ^2/NDF:1211978.9/21

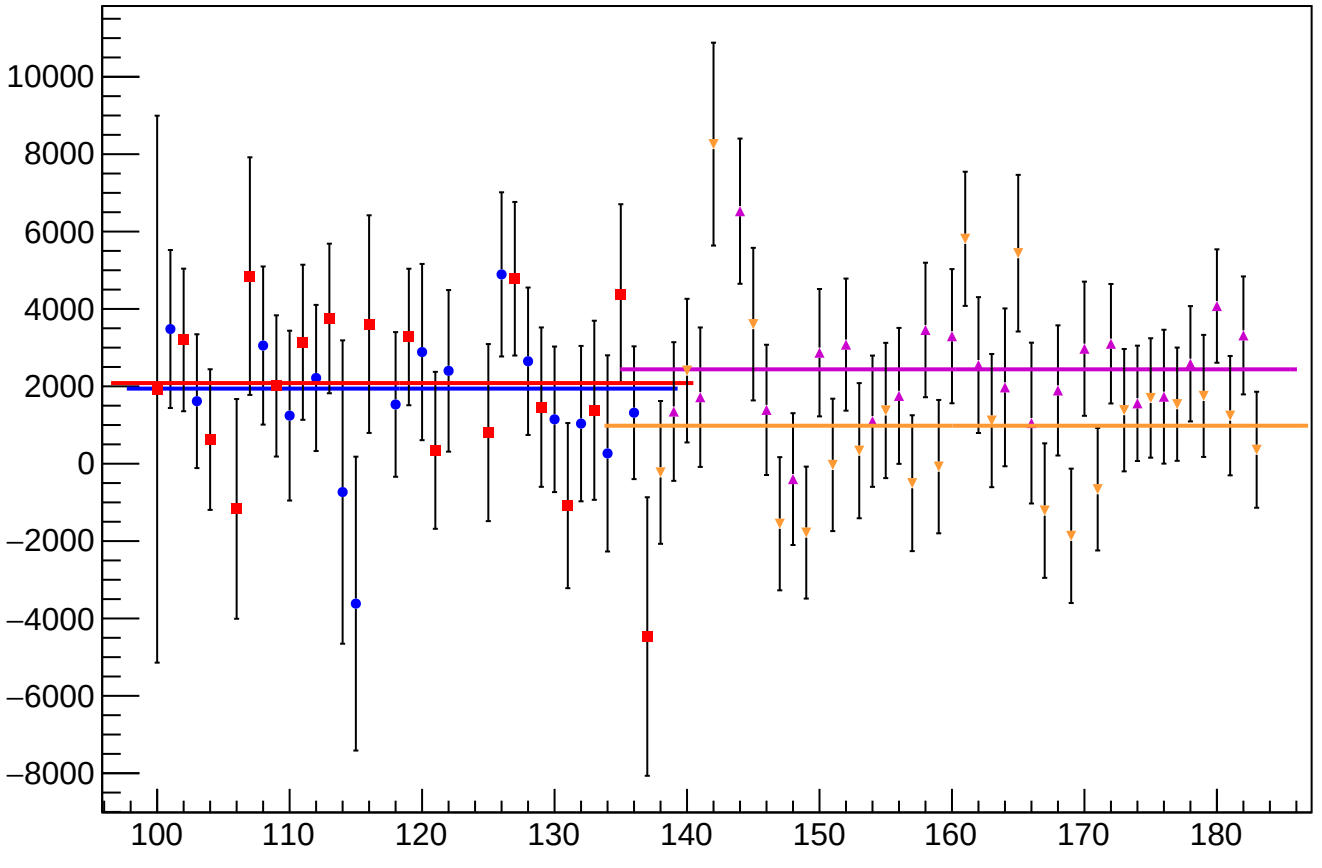
Left: 5352.576+/-0.641 χ^2/NDF: 2255221.2/44

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4368.020+/-0.644 χ^2/NDF:4263957.0/37

Out: 3883.633+/-0.596 χ^2/NDF:8055849.9/40

All: 4107.106+/-0.438 χ^2/NDF: 12624142.7/7



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 982.014+/-356.810 χ^2/NDF:35.8/22

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: 1702.398+/-253.721 χ^2/NDF: 57.0/44

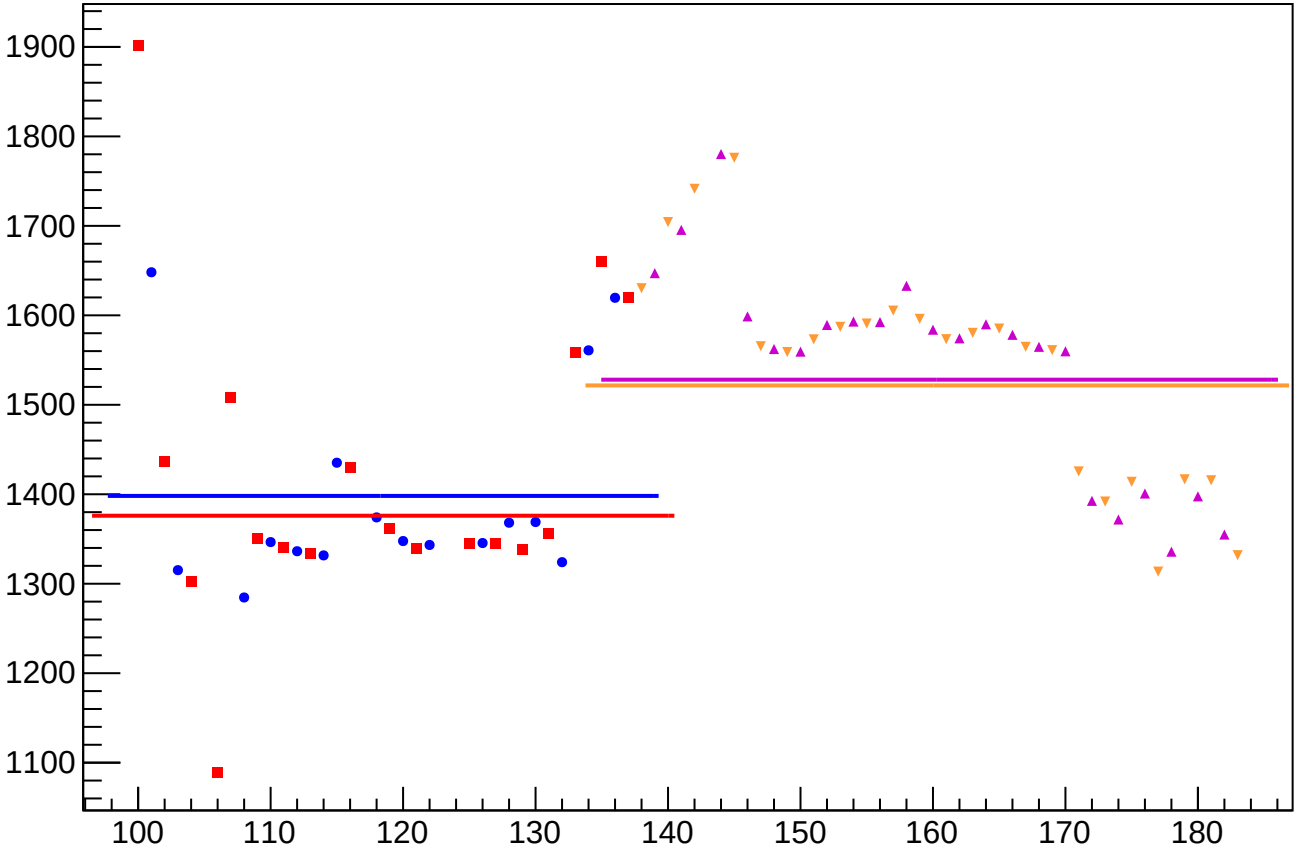
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2278.192+/-296.865 χ^2/NDF:20.5/37

Out: 1335.209+/-294.134 χ^2/NDF:53.3/40

All: 1802.342+/-208.943 χ^2/NDF: 78.9/78

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1521.648+/-0.252 χ^2/NDF:221616.7/22

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1528.069+/-0.255 χ^2/NDF:213951.6/21

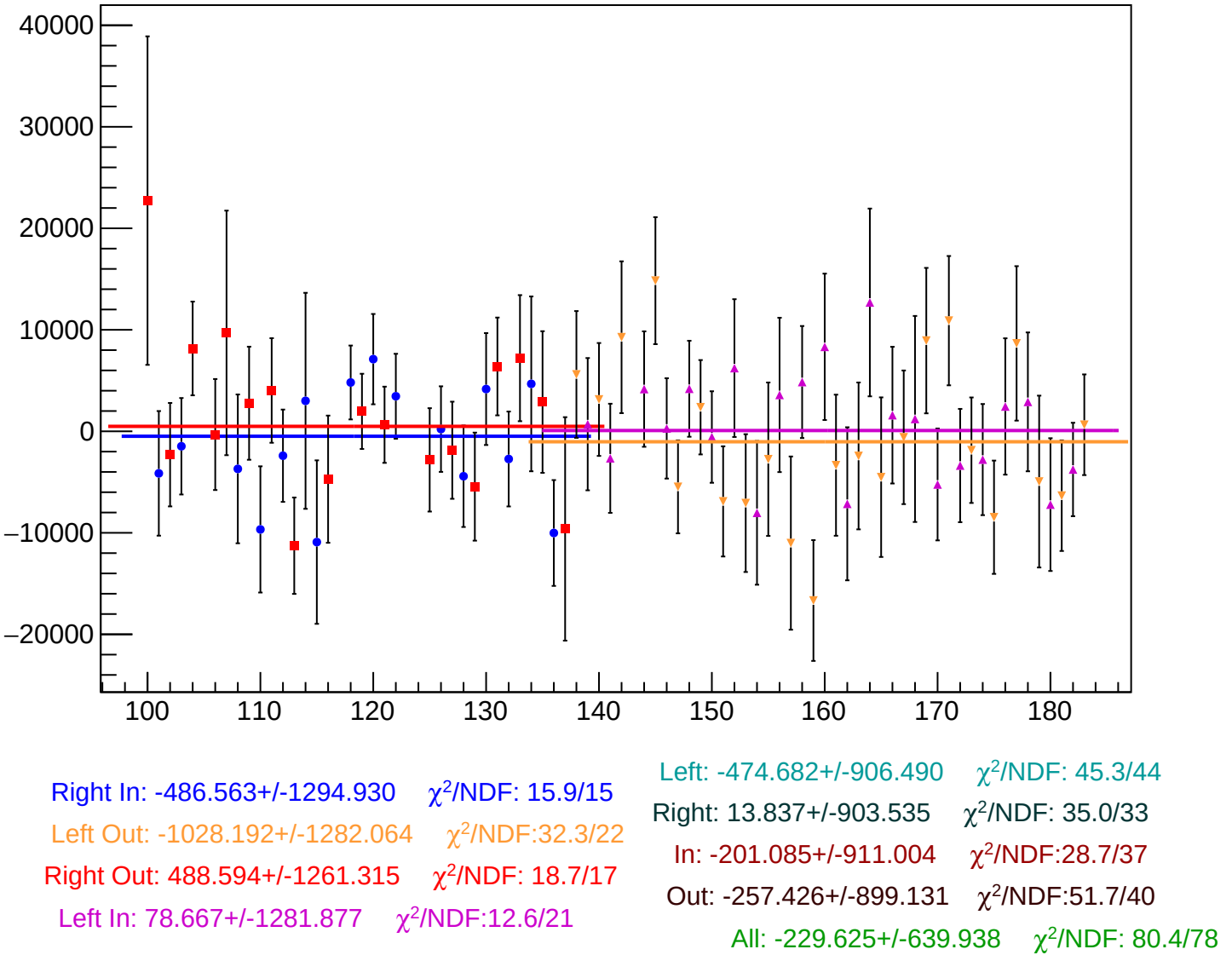
Left: 1524.822+/-0.179 χ^2/NDF: 435888.5/44

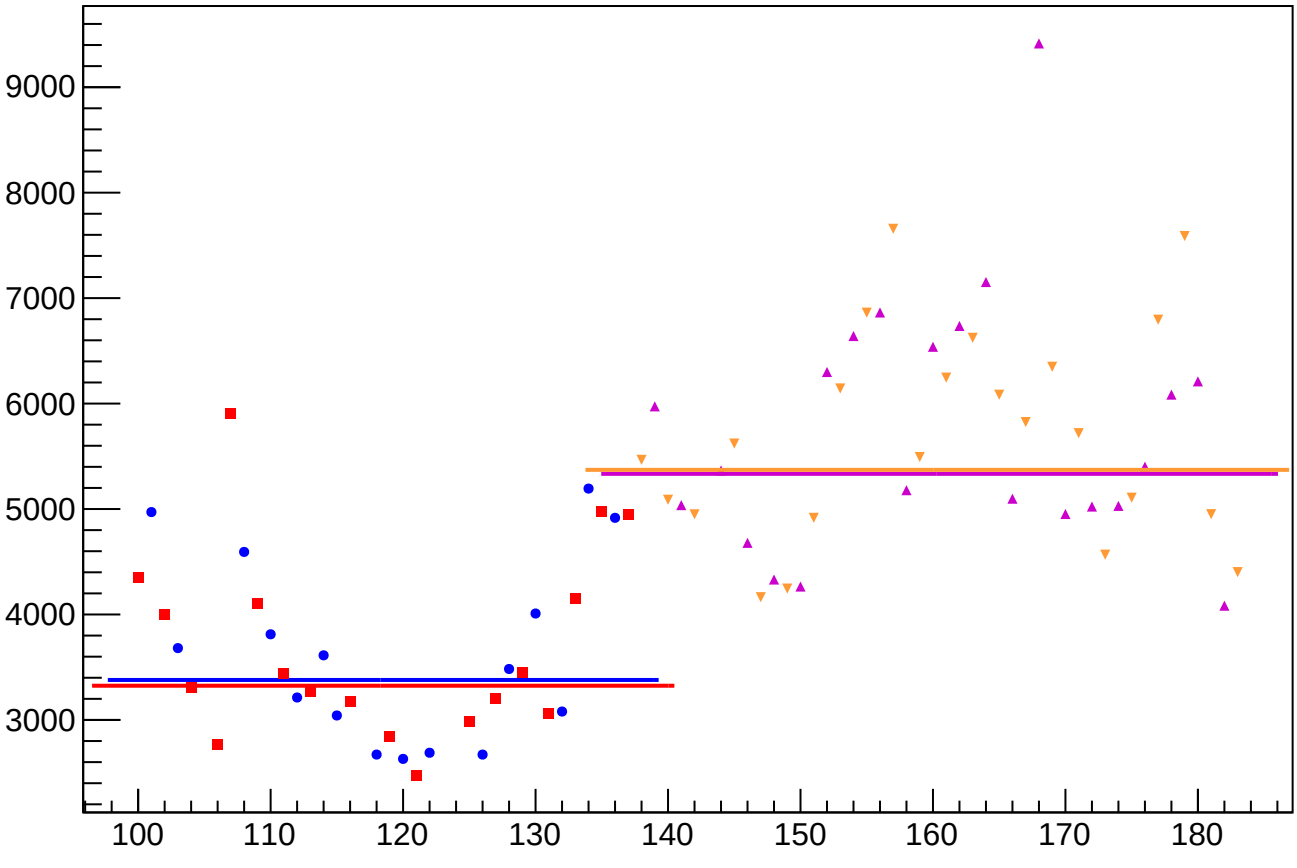
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1486.081+/-0.210 χ^2/NDF:391651.9/37

Out: 1474.128+/-0.207 χ^2/NDF:444361.8/40

All: 1480.023+/-0.147 χ^2/NDF: 837657.0/78


asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -486.563+/-1294.930 χ²/NDF: 15.9/15
Left Out: -1028.192+/-1282.064 χ²/NDF:32.3/22
Right Out: 488.594+/-1261.315 χ²/NDF: 18.7/17
Left In: 78.667+/-1281.877 χ²/NDF:12.6/21
Left: -474.682+/-906.490 χ²/NDF: 45.3/44
Right: 13.837+/-903.535 χ²/NDF: 35.0/33
In: -201.085+/-911.004 χ²/NDF:28.7/37
Out: -257.426+/-899.131 χ²/NDF:51.7/40
All: -229.625+/-639.938 χ²/NDF: 80.4/78



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5371.504+/-0.907 χ^2/NDF:1042366.0/22

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5333.652+/-0.906 χ^2/NDF:1211991.0/21

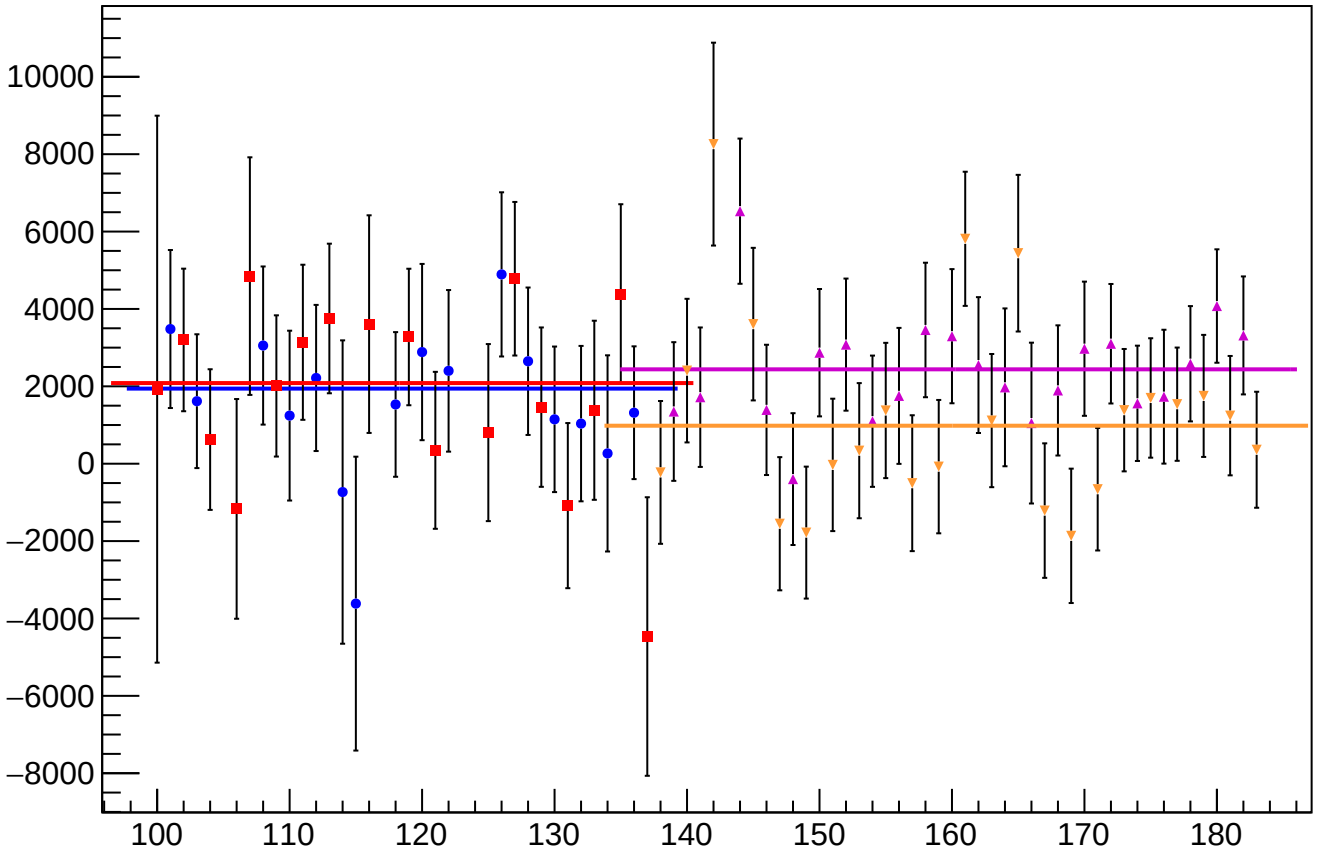
Left: 5352.575+/-0.641 χ^2/NDF: 2255228.8/44

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4366.281+/-0.644 χ^2/NDF:4268637.7/37

Out: 4331.278+/-0.636 χ^2/NDF:4177179.9/40

All: 4348.550+/-0.453 χ^2/NDF: 8447313.3/78



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 982.014+/-356.810 χ^2/NDF:35.8/22

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2439.209+/-360.855 χ^2/NDF:13.0/21

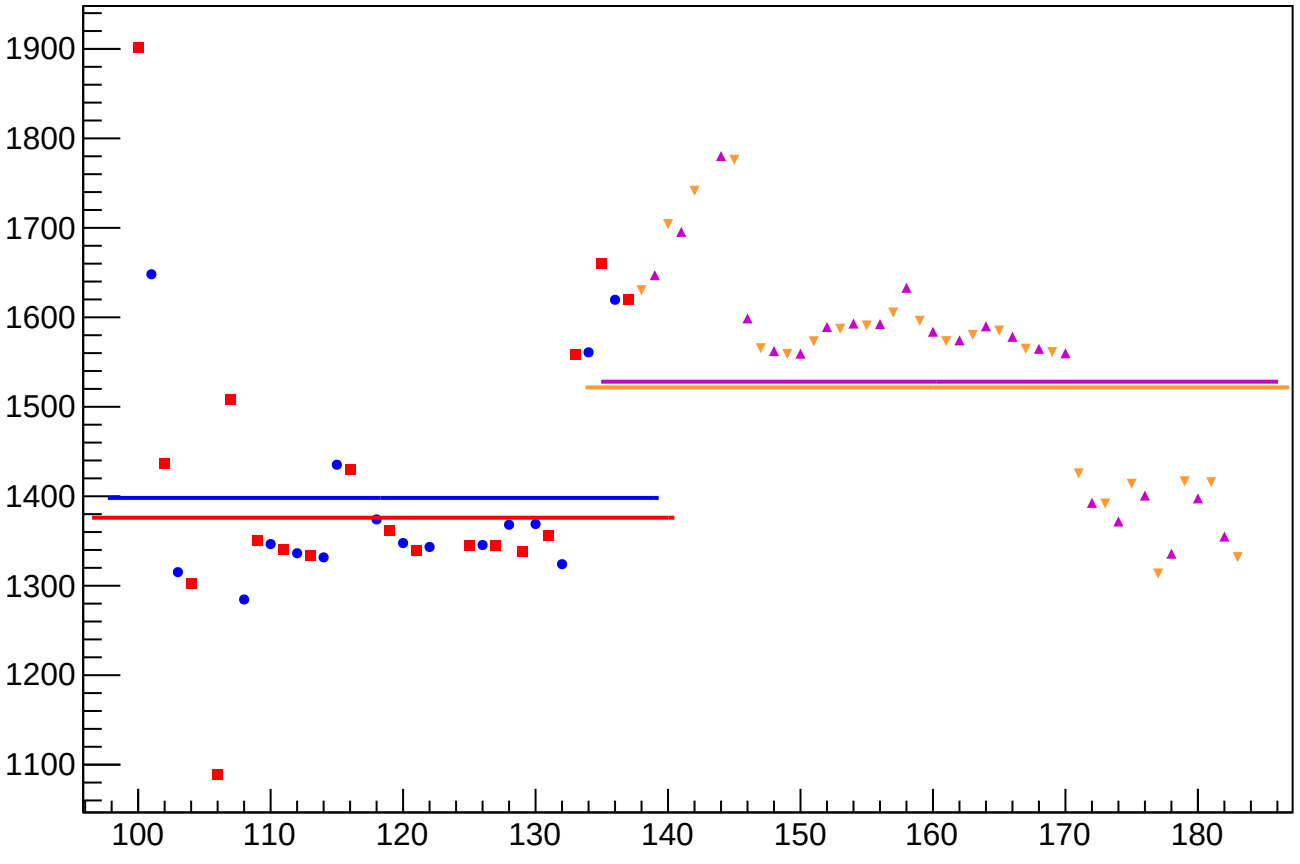
Left: 1702.398+/-253.721 χ^2/NDF: 57.0/44

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2278.192+/-296.865 χ^2/NDF:20.5/37

Out: 1335.209+/-294.134 χ^2/NDF:53.3/40

All: 1802.342+/-208.943 χ^2/NDF: 78.9/78



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1521.648+/-0.252 χ^2/NDF:221616.7/22

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: 1524.822+/-0.179 χ^2/NDF: 435888.5/44

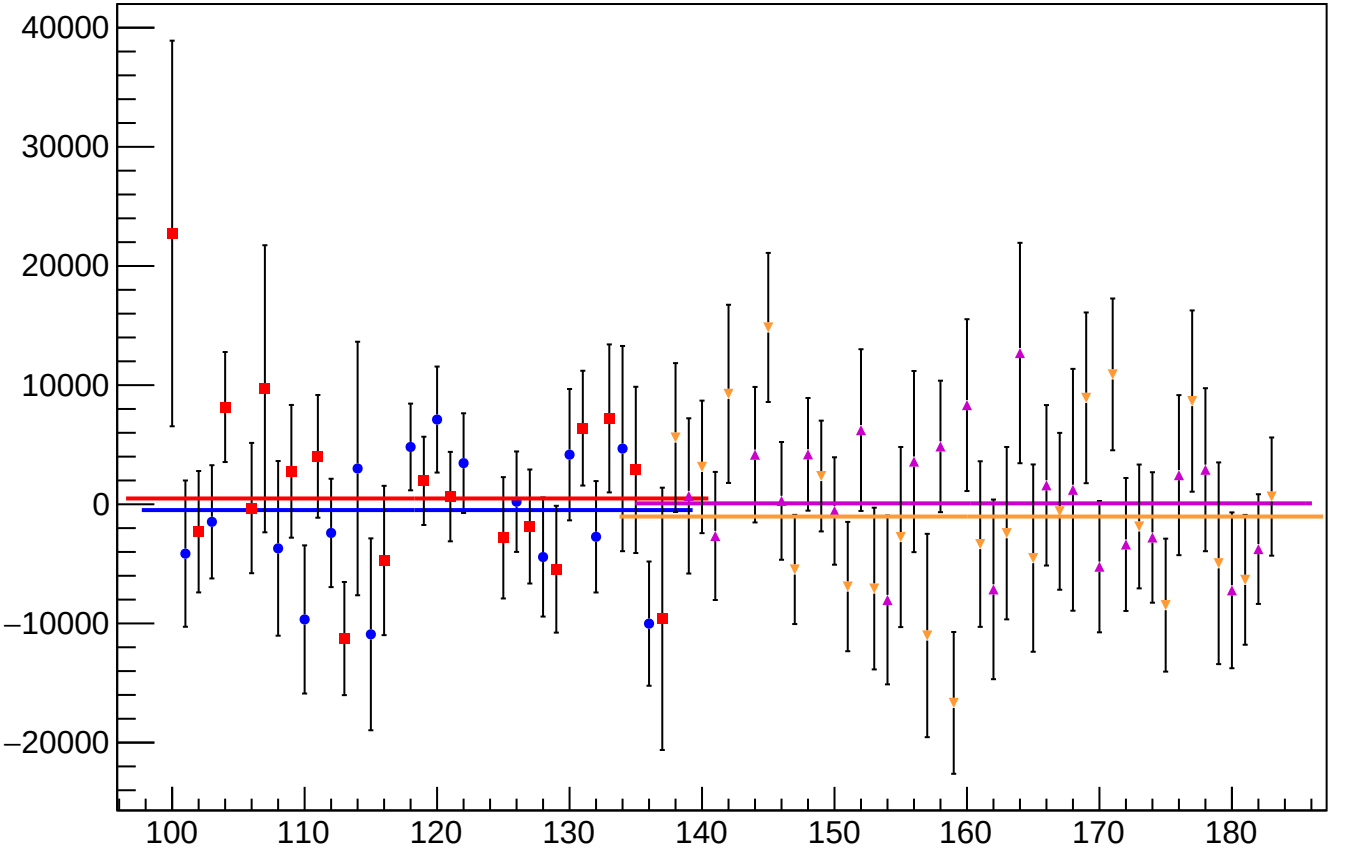
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1486.081+/-0.210 χ^2/NDF:391651.9/37

Out: 1474.128+/-0.207 χ^2/NDF:444361.8/40

All: 1480.023+/-0.147 χ^2/NDF: 837657.0/78

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: -1028.192+/-1282.064 χ^2/NDF:32.3/22

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: -474.682+/-906.490 χ^2/NDF: 45.3/44

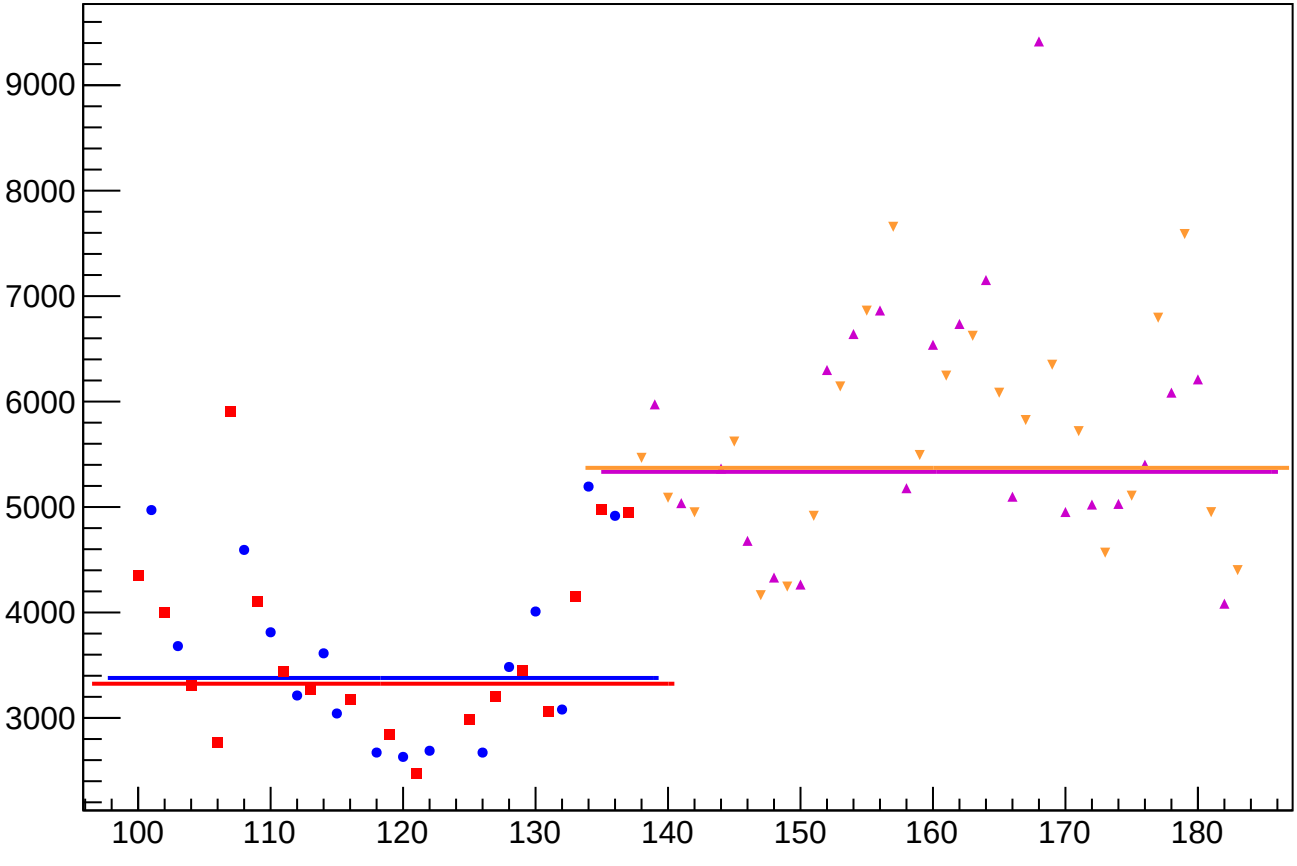
Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -201.085+/-911.004 χ^2/NDF:28.7/37

Out: -257.426+/-899.131 χ^2/NDF:51.7/40

All: -229.625+/-639.938 χ^2/NDF: 80.4/78

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5371.504+/-0.907 χ^2/NDF:1042366.0/22

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5333.652+/-0.906 χ^2/NDF:1211991.0/21

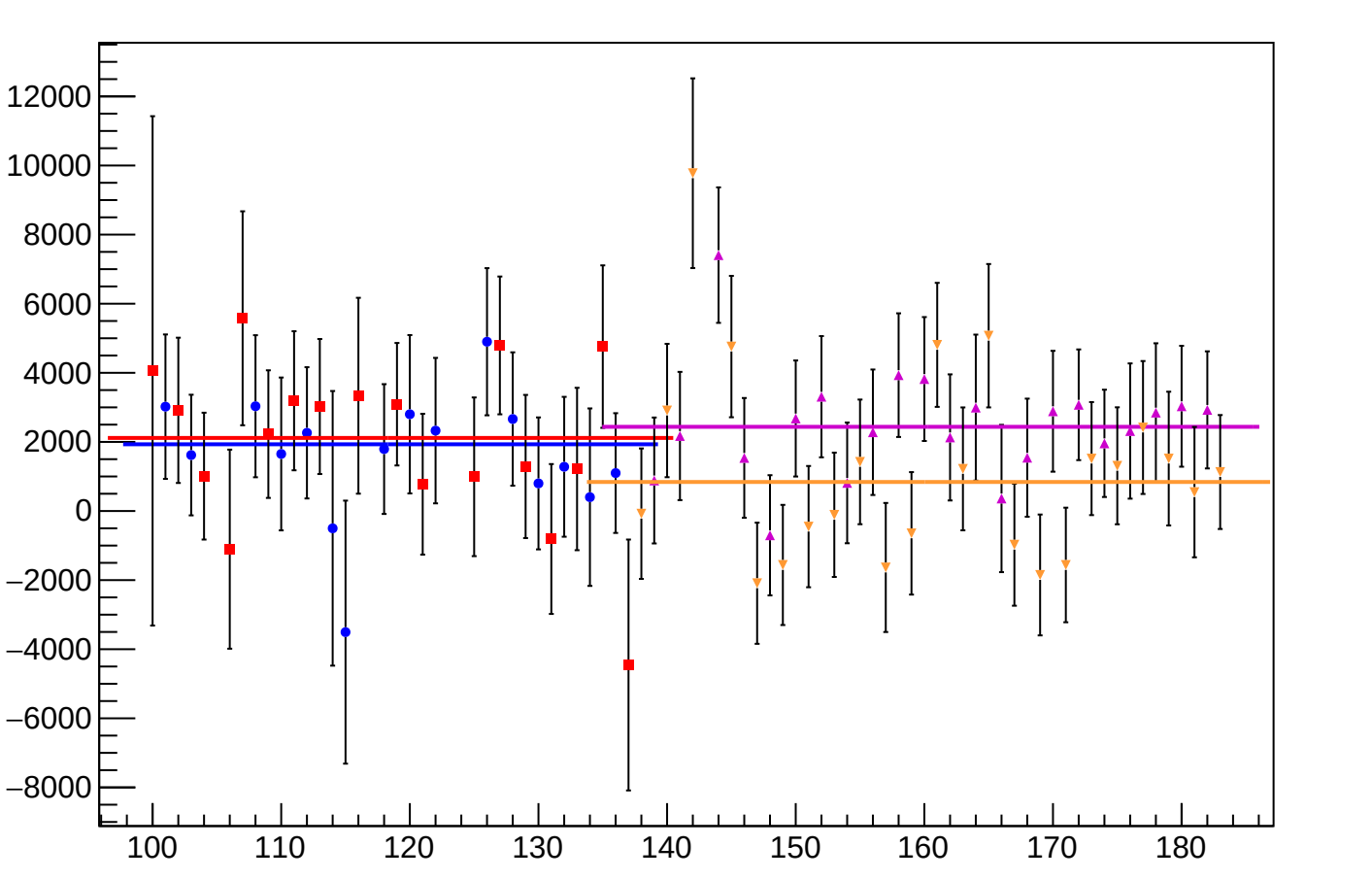
Left: 5352.575+/-0.641 χ^2/NDF: 2255228.8/44

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4366.281+/-0.644 χ^2/NDF:4268637.7/37

Out: 4331.278+/-0.636 χ^2/NDF:4177179.9/40

All: 4348.550+/-0.453 χ^2/NDF: 8447313.3/78



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 840.467+/-380.642 χ^2/NDF:39.4/22

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: 1635.811+/-269.642 χ^2/NDF: 63.2/44

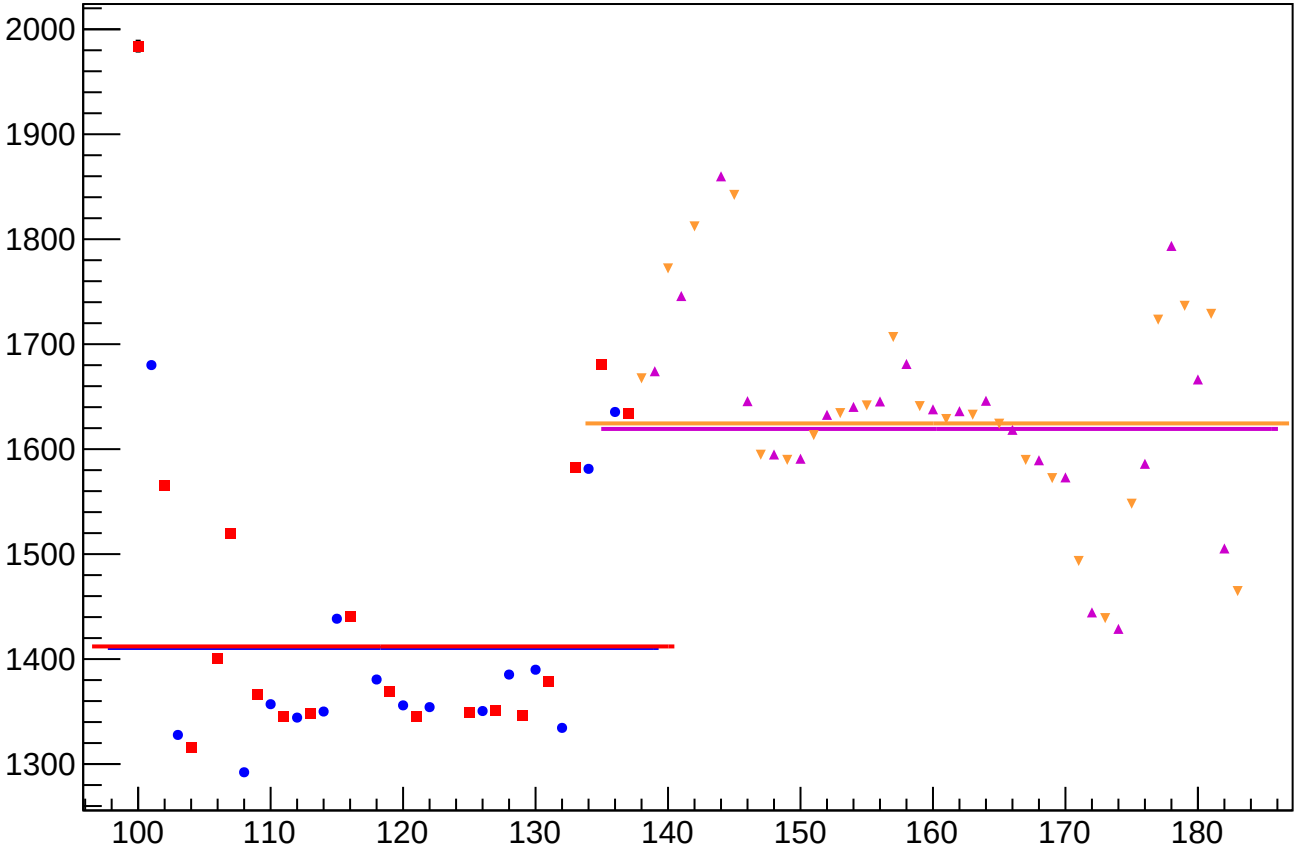
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2262.904+/-309.333 χ^2/NDF:22.0/37

Out: 1275.531+/-308.931 χ^2/NDF:56.5/40

All: 1768.575+/-218.589 χ^2/NDF: 83.6/78

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1624.515+/-0.269 χ^2/NDF:132271.4/22

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: 1621.891+/-0.191 χ^2/NDF: 261159.2/44

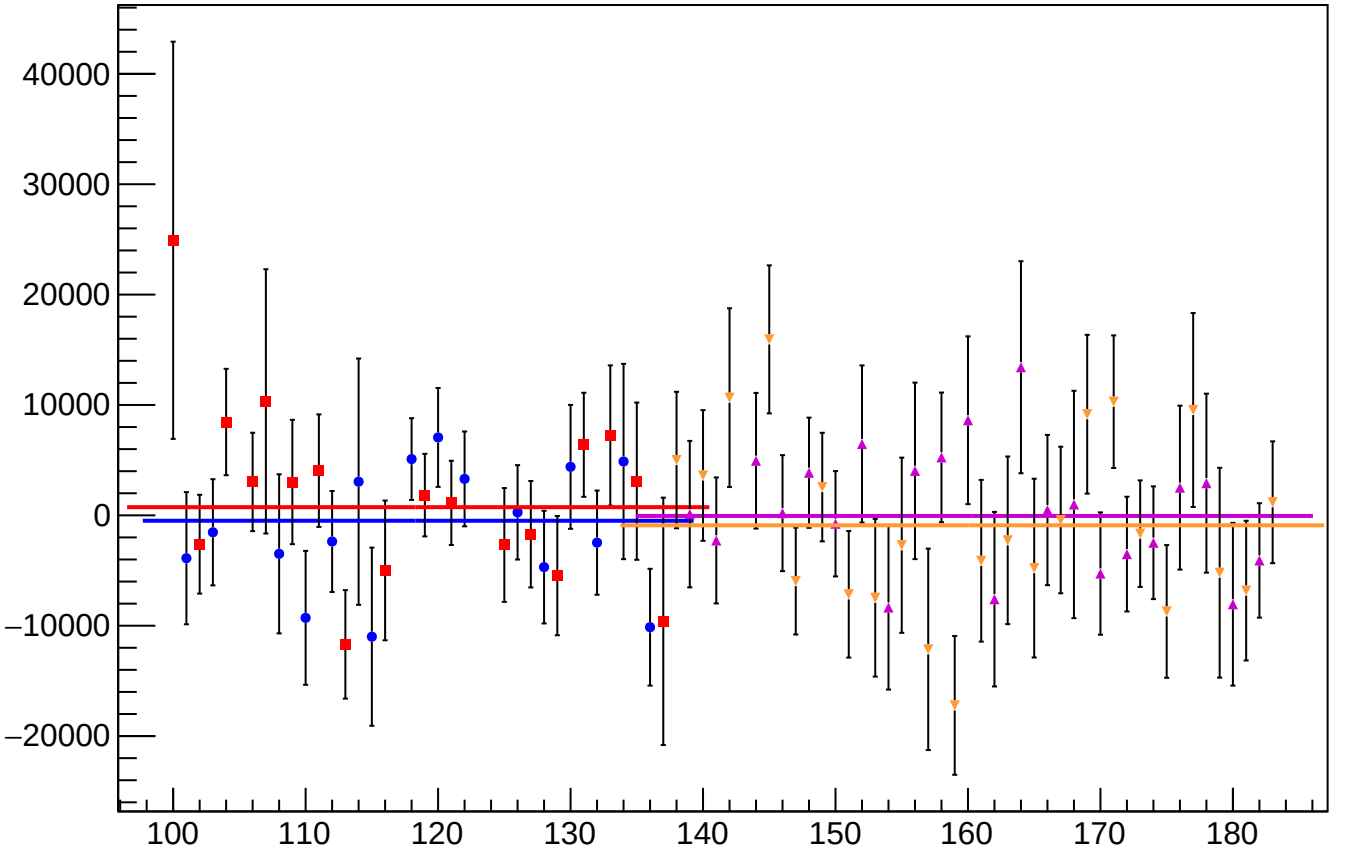
Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1547.397+/-0.219 χ^2/NDF:433293.3/37

Out: 1551.745+/-0.218 χ^2/NDF:435399.8/40

All: 1549.576+/-0.154 χ^2/NDF: 868891.1/78

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: -902.920+/-1345.104 χ^2/NDF:32.0/22

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: -54.778+/-1342.767 χ^2/NDF:12.4/21

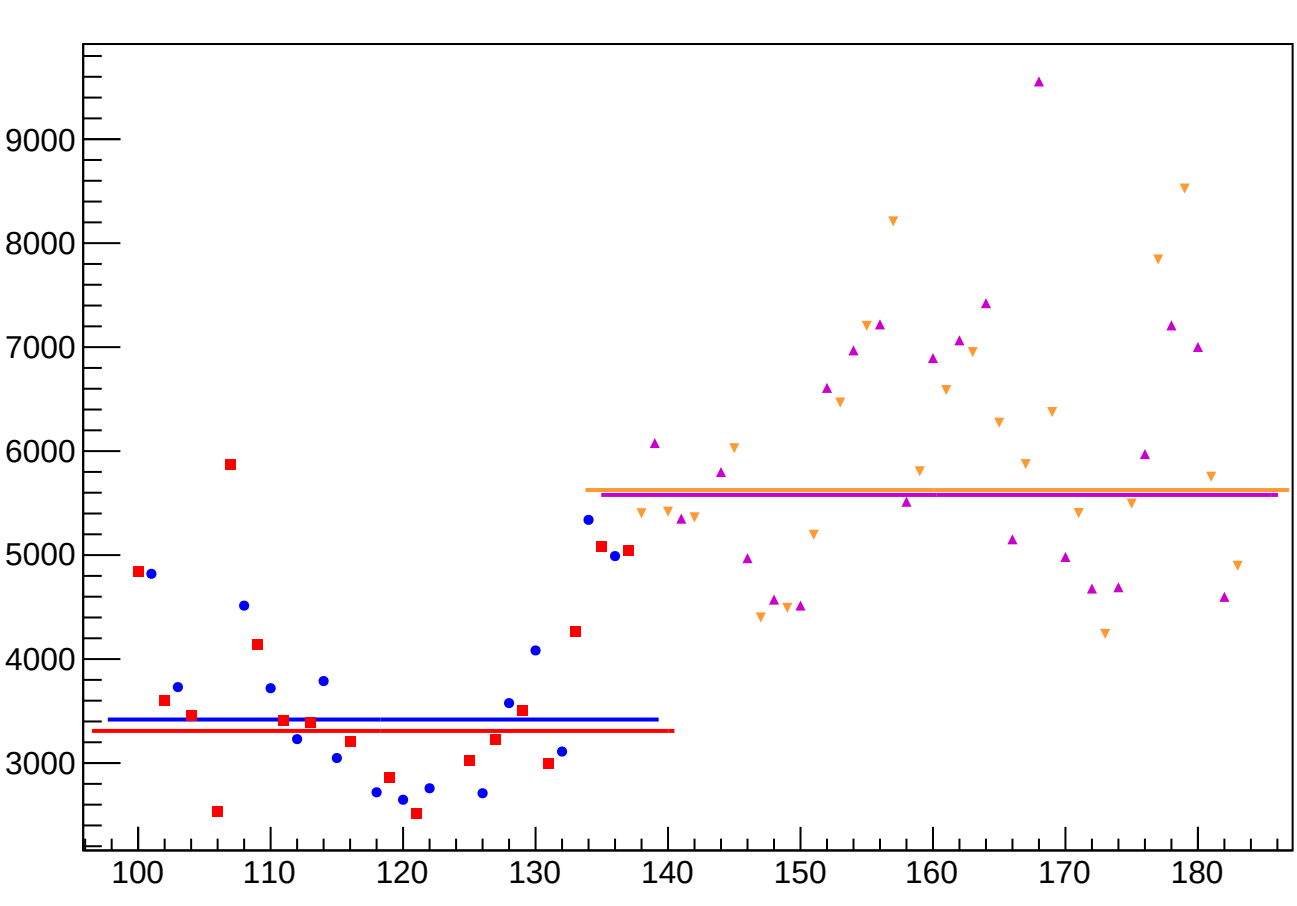
Left: -478.112+/-950.305 χ^2/NDF: 44.6/44

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -277.675+/-937.200 χ^2/NDF:28.3/37

Out: -19.671+/-914.853 χ^2/NDF:52.0/40

All: -145.561+/-654.657 χ^2/NDF: 80.3/78



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5625.568+/-0.951 χ^2/NDF:1178426.0/22

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5578.728+/-0.949 χ^2/NDF:1307387.5/21

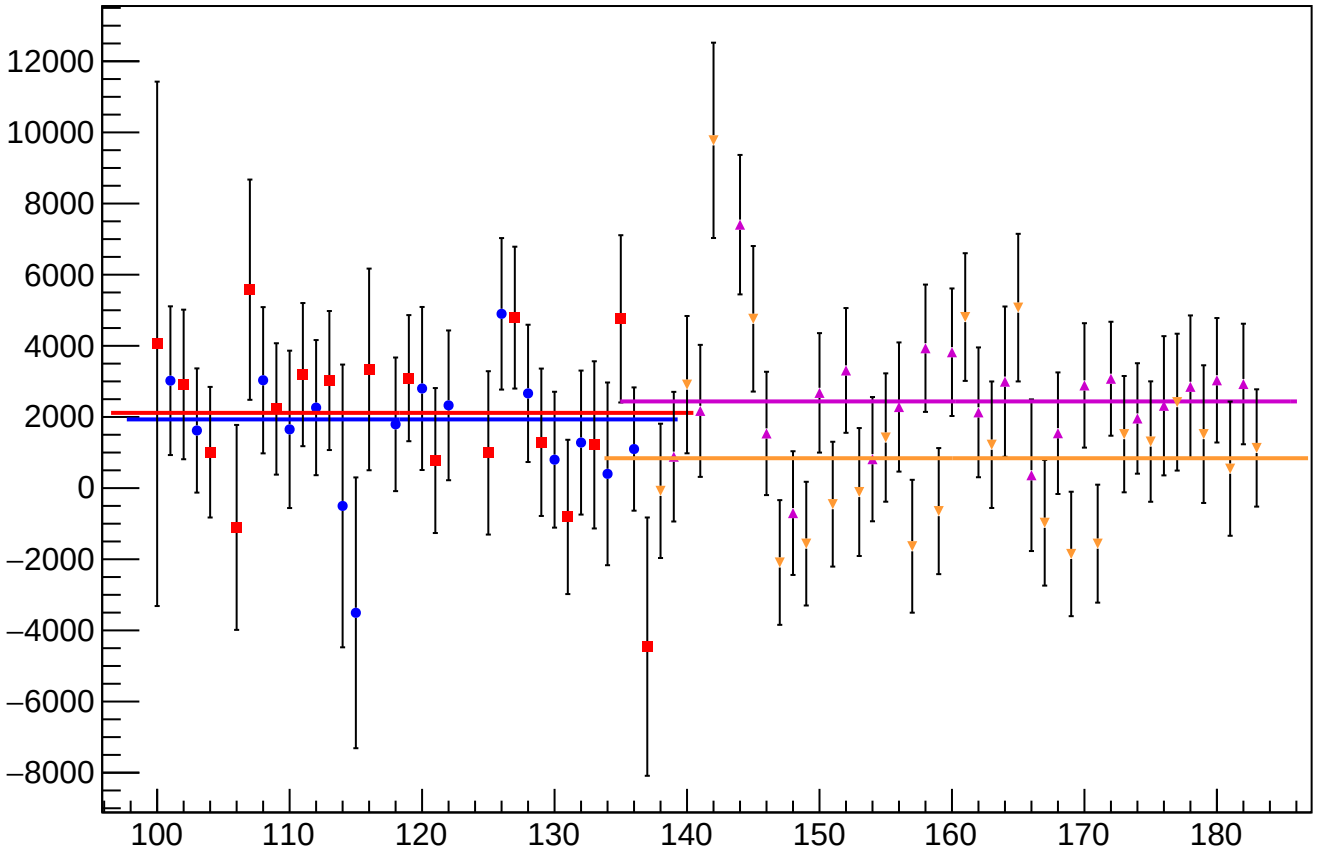
Left: 5602.107+/-0.672 χ^2/NDF: 2487028.3/44

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4470.959+/-0.663 χ^2/NDF:4682823.3/37

Out: 4380.669+/-0.647 χ^2/NDF:4938059.5/40

All: 4424.725+/-0.463 χ^2/NDF: 9630388.3/78



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 840.462+/-380.643 χ^2/NDF:39.4/22

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2436.944+/-382.025 χ^2/NDF:15.0/21

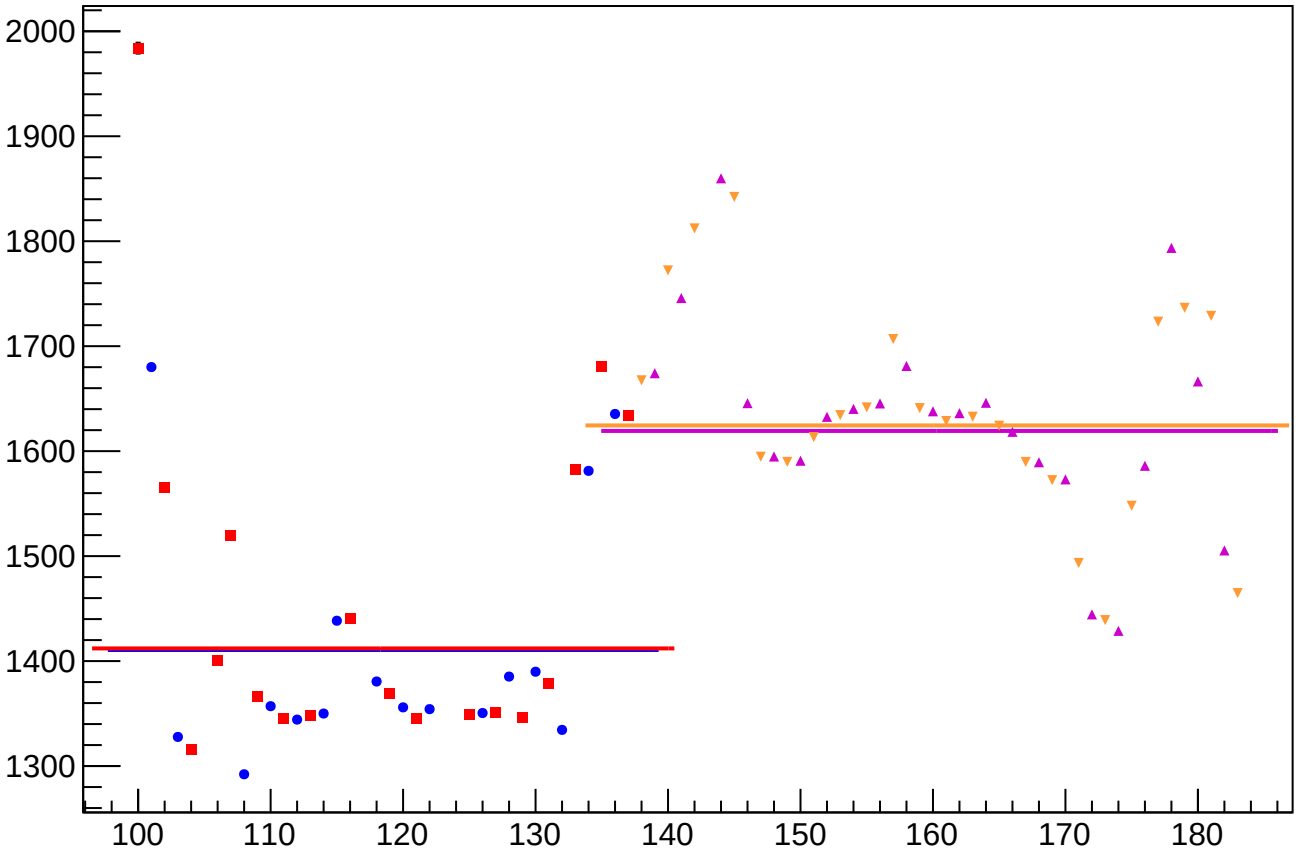
Left: 1635.809+/-269.643 χ^2/NDF: 63.2/44

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2262.904+/-309.333 χ^2/NDF:22.0/37

Out: 1275.528+/-308.931 χ^2/NDF:56.5/40

All: 1768.574+/-218.589 χ^2/NDF: 83.6/78



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1624.517+/-0.269 χ^2/NDF:132276.5/22

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: 1621.892+/-0.191 χ^2/NDF: 261169.3/44

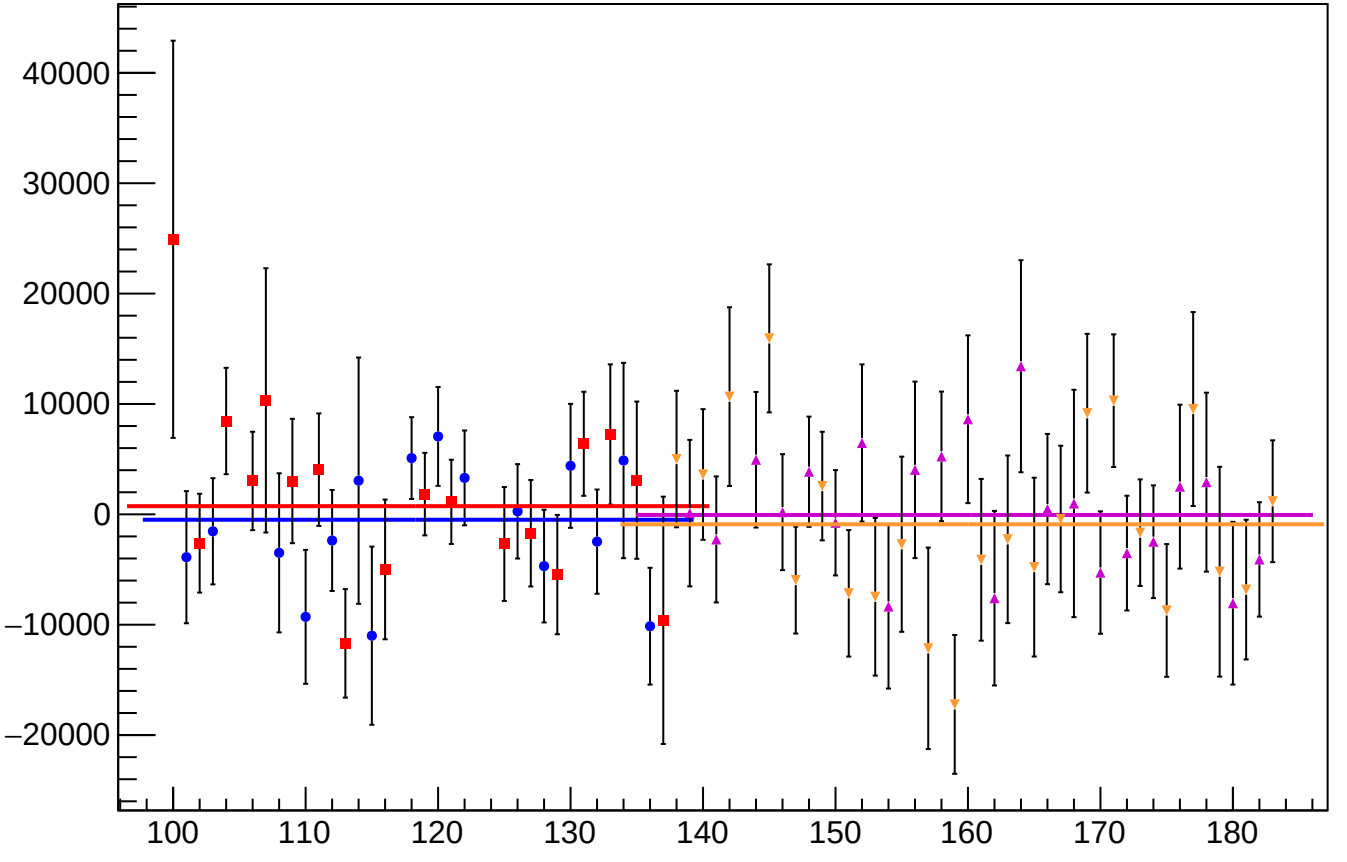
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1547.398+/-0.219 χ^2/NDF:433300.4/37

Out: 1551.746+/-0.218 χ^2/NDF:435407.8/40

All: 1549.576+/-0.154 χ^2/NDF: 868906.2/78

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: -902.926+/-1345.106 χ^2/NDF:32.0/22

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -54.779+/-1342.769 χ^2/NDF:12.4/21

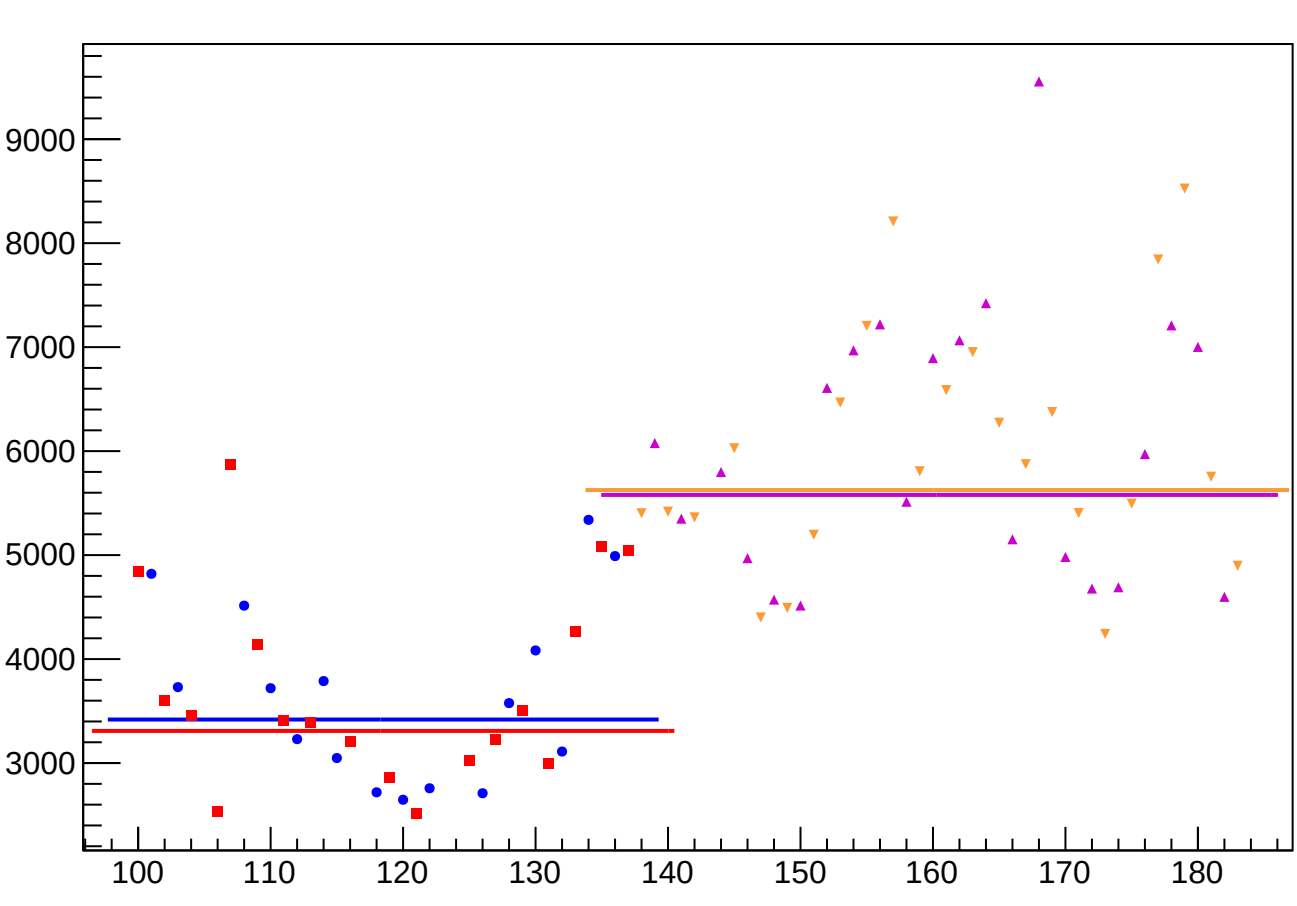
Left: -478.115+/-950.306 χ^2/NDF: 44.6/44

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -277.672+/-937.199 χ^2/NDF:28.3/37

Out: -19.669+/-914.852 χ^2/NDF:52.0/40

All: -145.558+/-654.656 χ^2/NDF: 80.3/78



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5625.576+/-0.951 χ^2/NDF:1178426.9/22

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: 5602.115+/-0.672 χ^2/NDF: 2487031.0/44

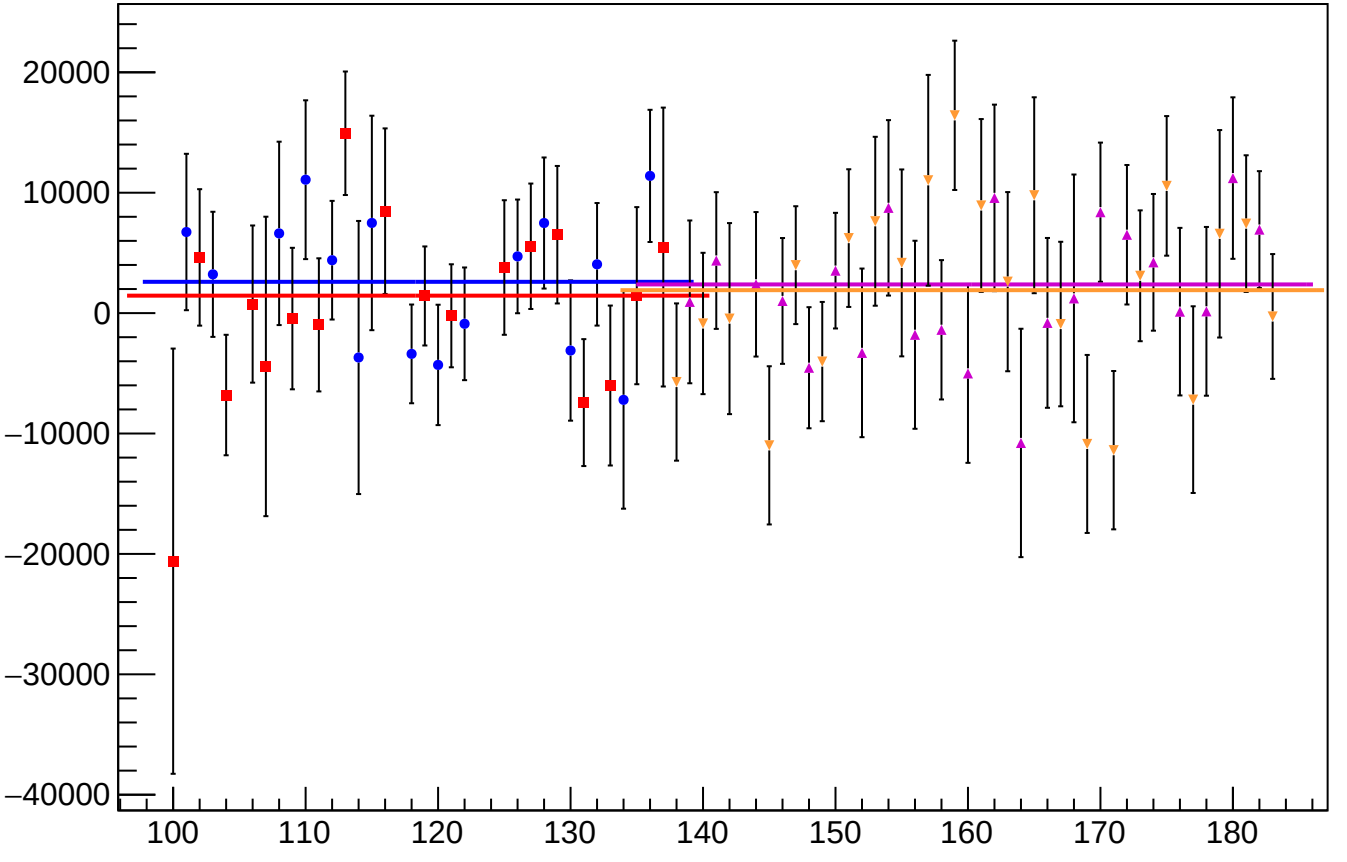
Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4470.953+/-0.663 χ^2/NDF:4682885.1/37

Out: 4380.662+/-0.647 χ^2/NDF:4938119.3/40

All: 4424.718+/-0.463 χ^2/NDF: 9630509.8/78

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1905.453+/-1338.753 χ^2/NDF:29.3/22

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: 2144.032+/-946.798 χ^2/NDF: 42.1/44

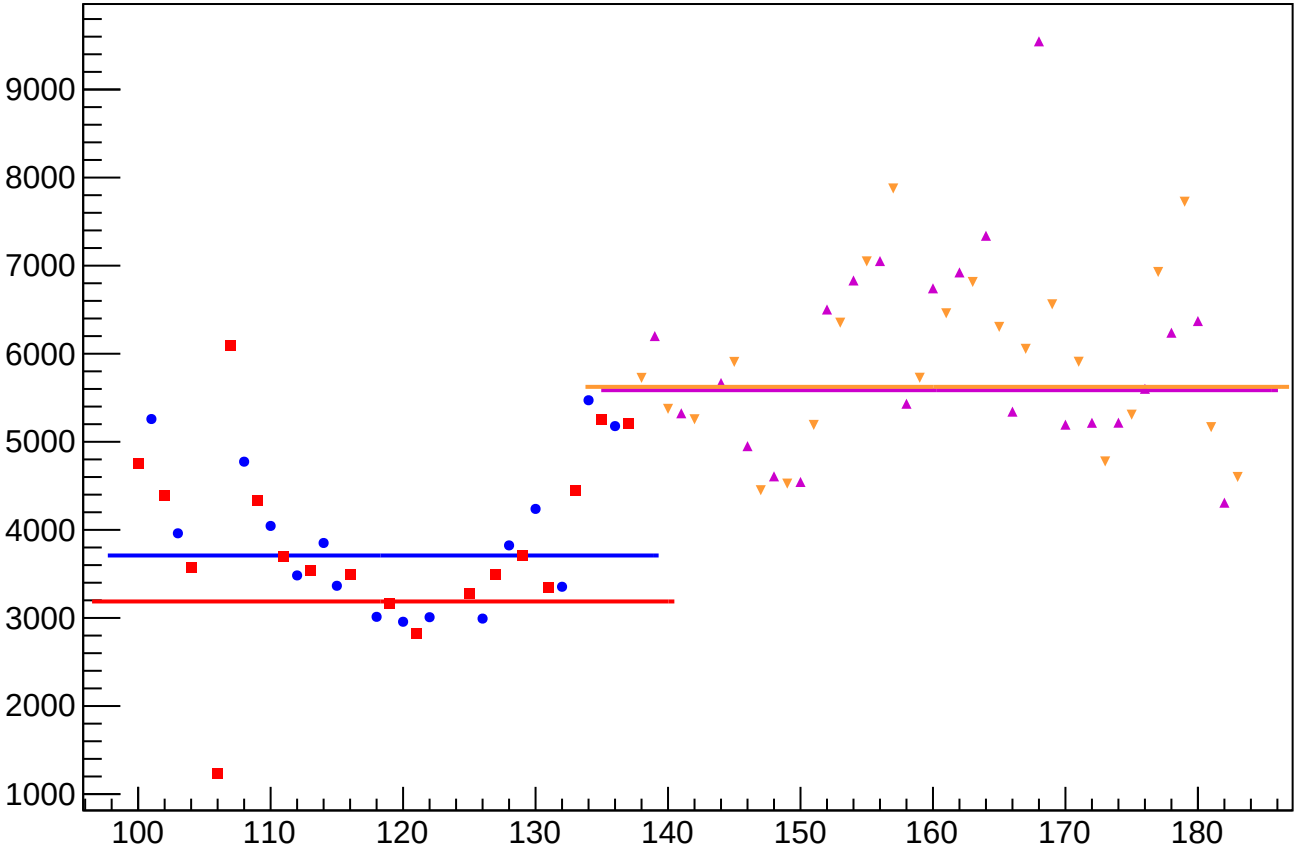
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2485.269+/-972.486 χ^2/NDF:26.3/37

Out: 1685.301+/-961.842 χ^2/NDF:48.4/40

All: 2080.884+/-683.857 χ^2/NDF: 75.0/78

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5623.884+/-0.947 χ^2/NDF:916020.7/22

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5586.155+/-0.947 χ^2/NDF:1069412.1/21

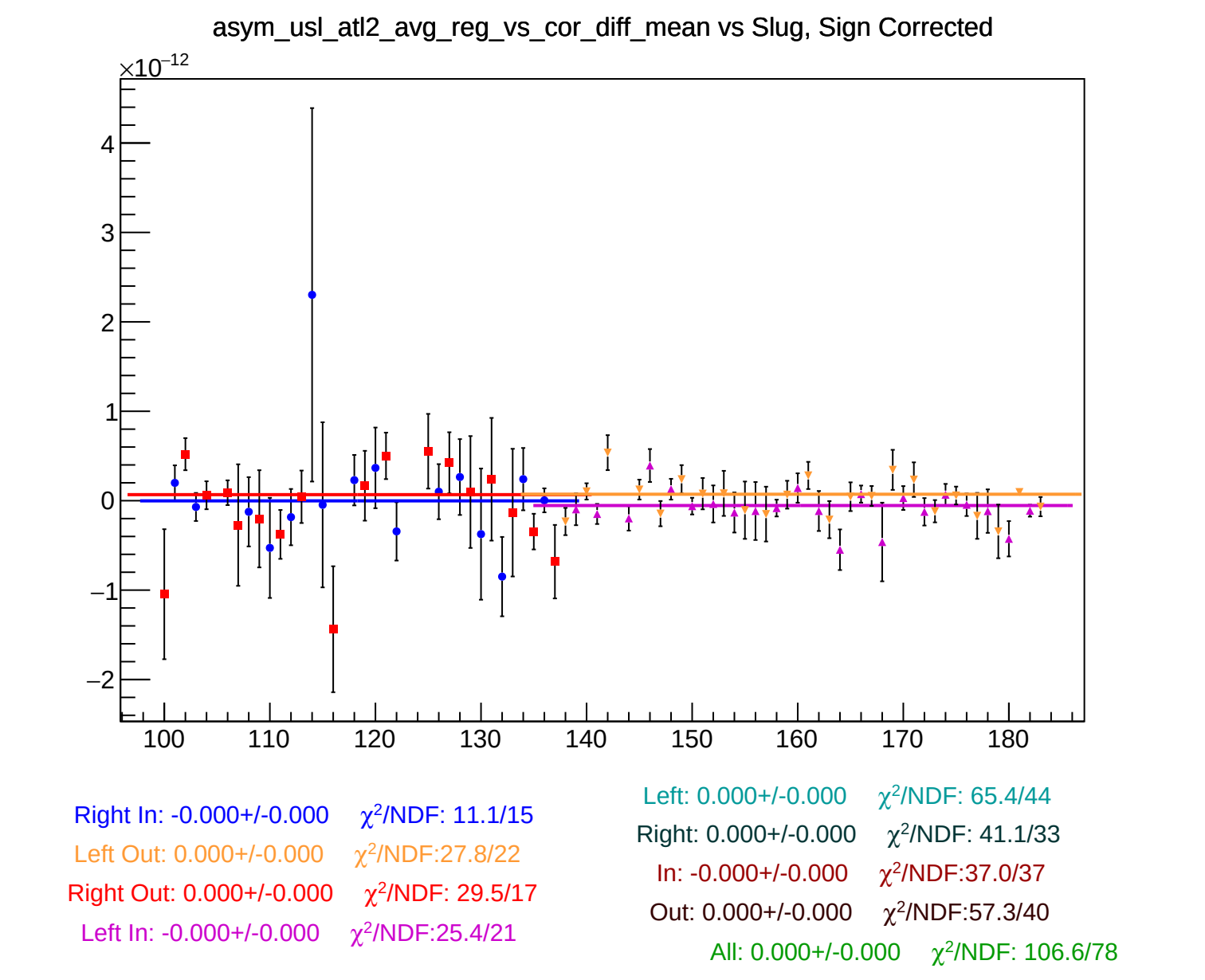
Left: 5605.026+/-0.669 χ^2/NDF: 1986226.8/44

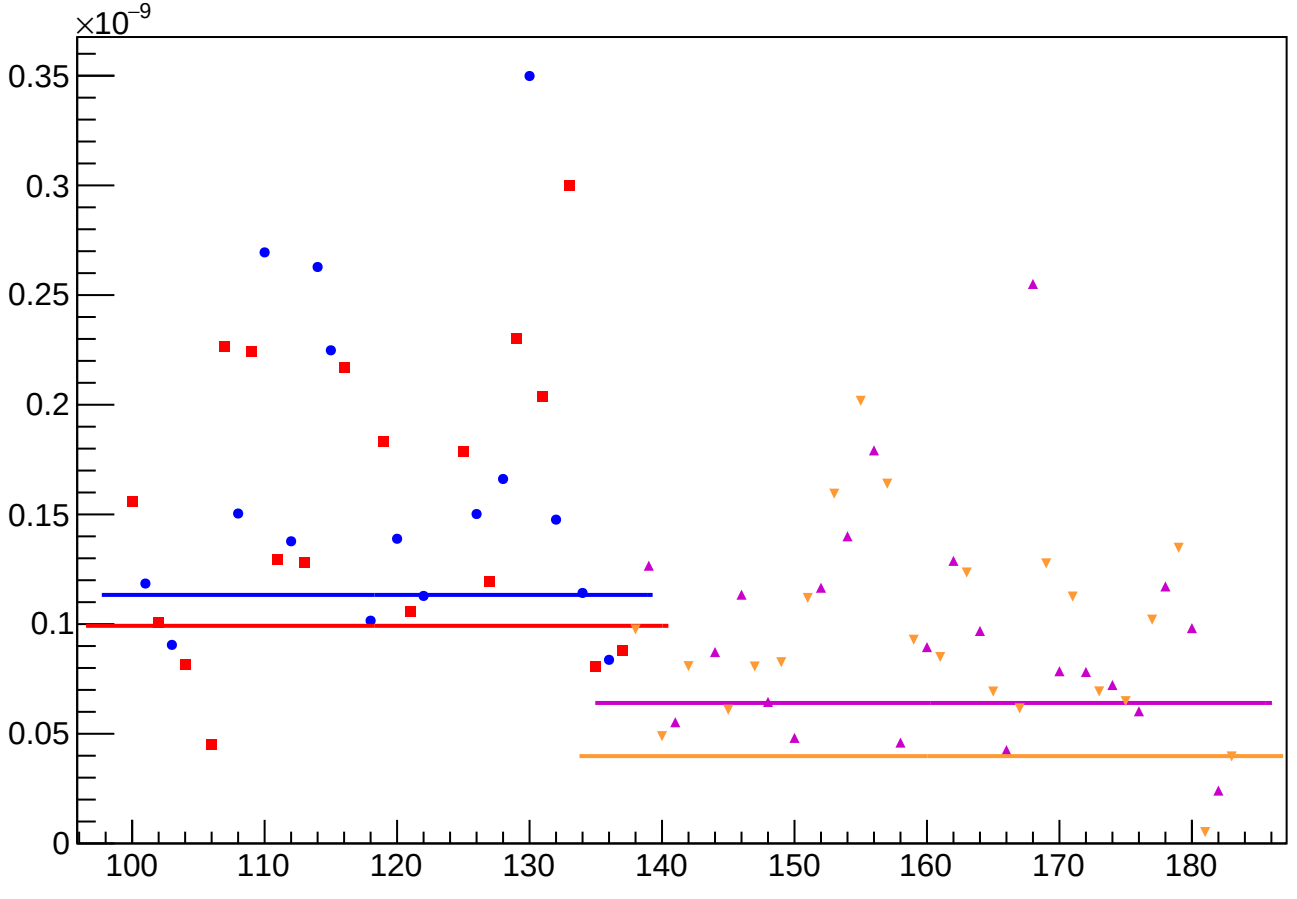
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4698.944+/-0.688 χ^2/NDF:3537143.7/37

Out: 4338.032+/-0.651 χ^2/NDF:6023234.1/40

All: 4508.495+/-0.473 χ^2/NDF: 9705737.1/78


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:27.8/22
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: 65.4/44
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:57.3/40
All: 0.000+/-0.000 χ²/NDF: 106.6/78



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:6945865.5/22

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: 10716234.9/44

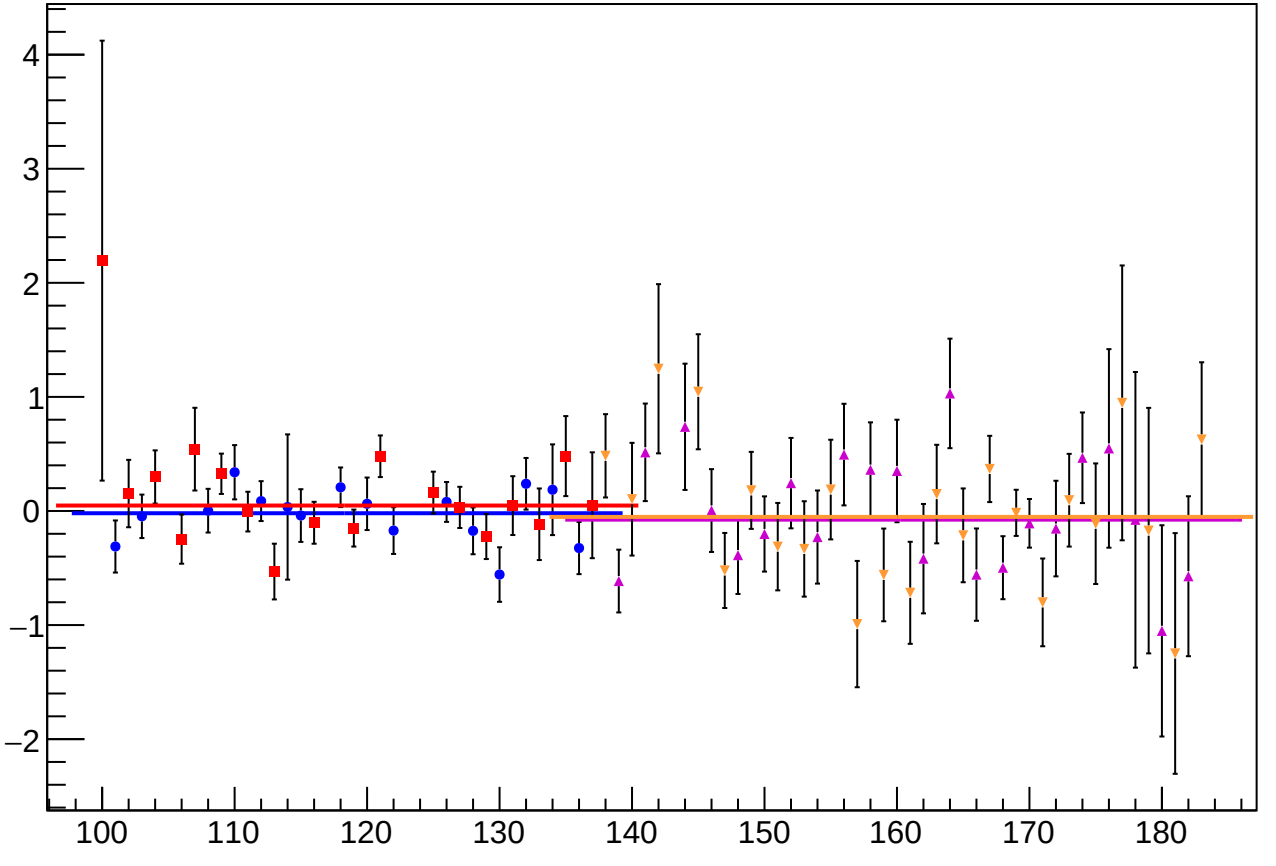
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:4363964.2/37

Out: 0.000+/-0.000 χ^2/NDF:9515008.8/40

All: 0.000+/-0.000 χ^2/NDF: 14981953.2/78

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: -0.052+/-0.086 χ^2/NDF:29.9/22

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.076+/-0.084 χ^2/NDF:27.0/21

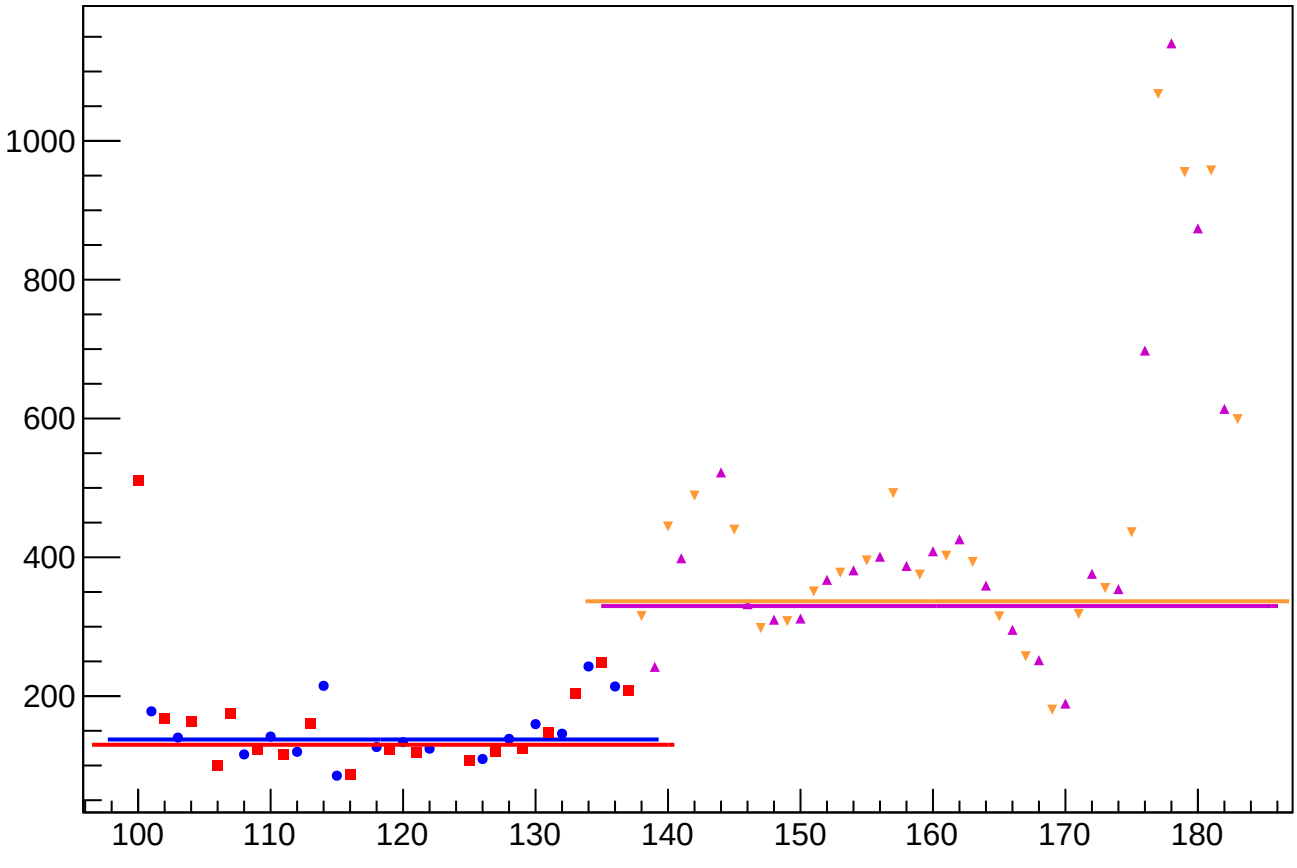
Left: -0.064+/-0.060 χ^2/NDF: 56.9/44

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.036+/-0.046 χ^2/NDF:43.3/37

Out: 0.021+/-0.045 χ^2/NDF:57.1/40

All: -0.007+/-0.032 χ^2/NDF: 101.2/78



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 336.612+/-0.061 χ^2/NDF:4441644.5/22

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: 333.093+/-0.042 χ^2/NDF: 8482169.0/44

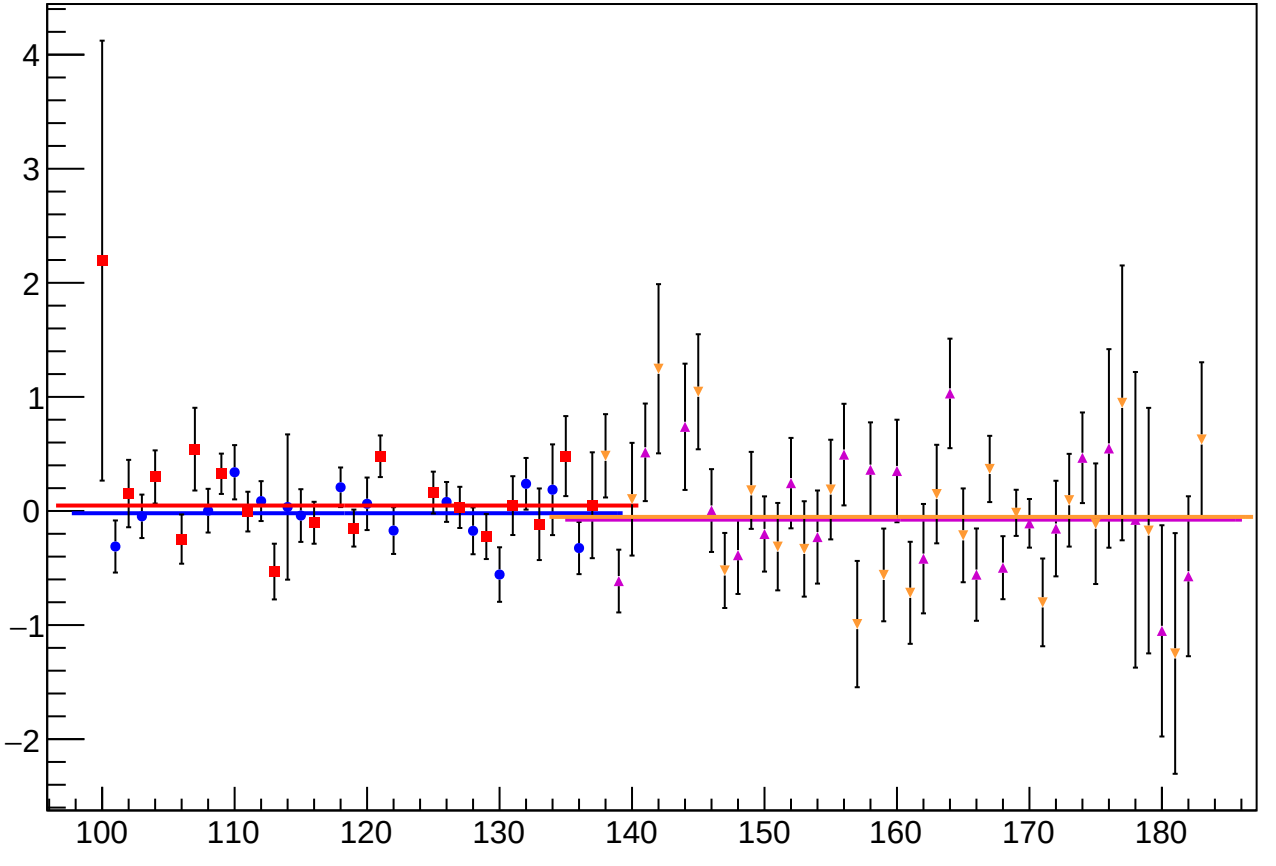
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 194.254+/-0.032 χ^2/NDF:12154348.3/37

Out: 186.258+/-0.032 χ^2/NDF:13733330.3/40

All: 190.191+/-0.023 χ^2/NDF: 25919054.7/78

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: -0.052+/-0.086 χ^2/NDF:29.9/22

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.076+/-0.084 χ^2/NDF:27.0/21

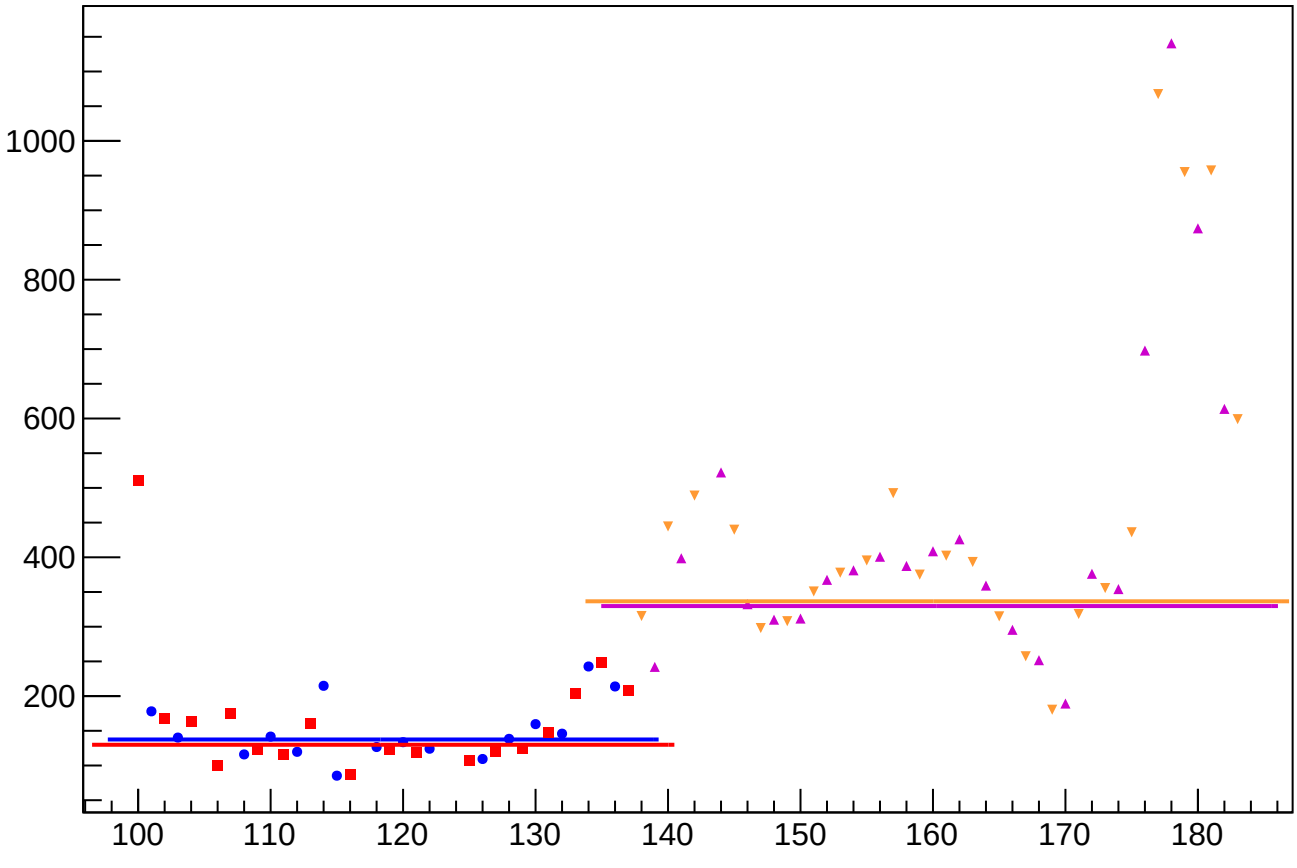
Left: -0.064+/-0.060 χ^2/NDF: 56.9/44

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.036+/-0.046 χ^2/NDF:43.3/37

Out: 0.021+/-0.045 χ^2/NDF:57.1/40

All: -0.007+/-0.032 χ^2/NDF: 101.2/78



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 336.612+/-0.061 χ^2/NDF:4441644.5/22

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 329.735+/-0.059 χ^2/NDF:4033940.5/21

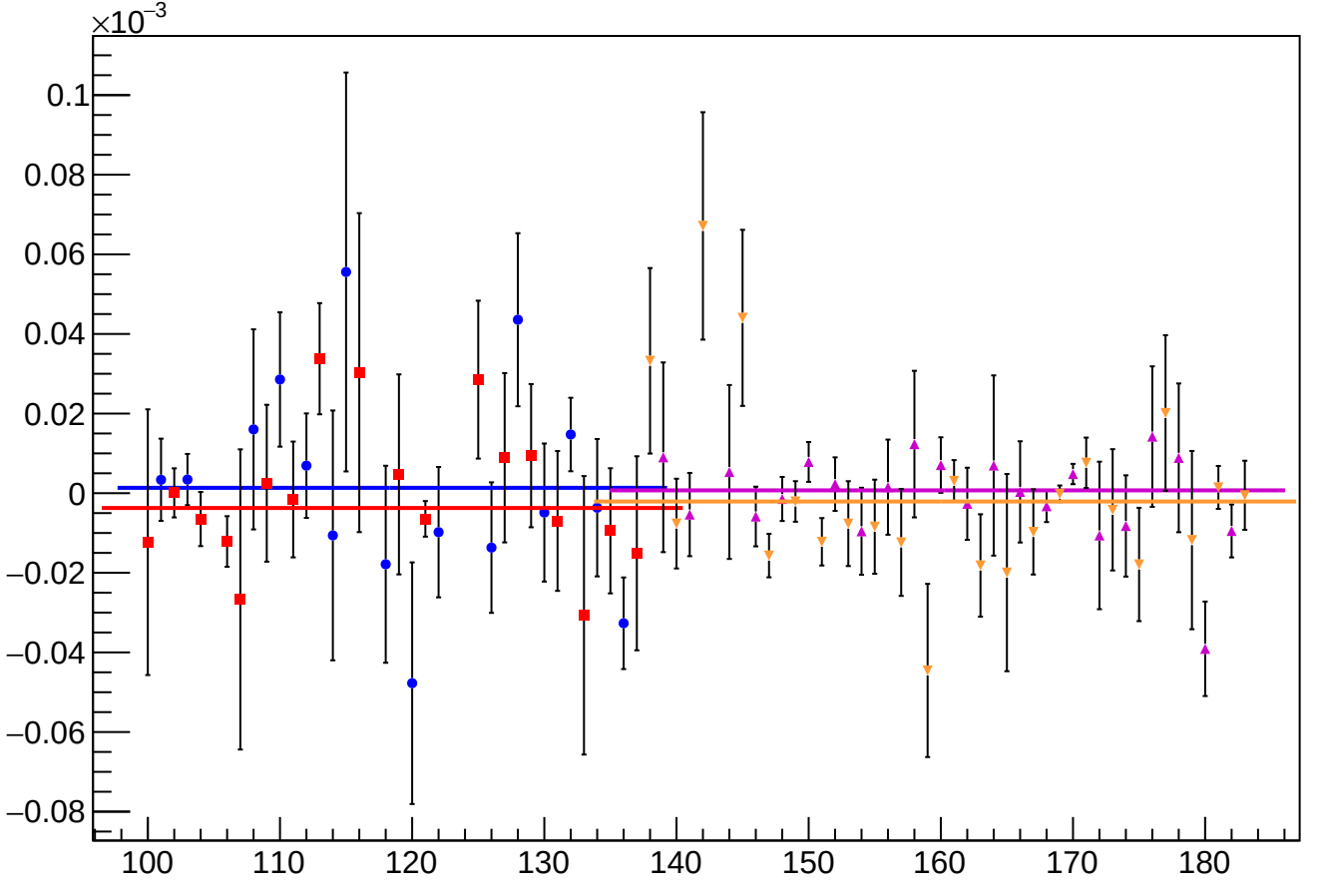
Left: 333.093+/-0.042 χ^2/NDF: 8482169.0/44

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 194.254+/-0.032 χ^2/NDF:12154348.3/37

Out: 186.258+/-0.032 χ^2/NDF:13733330.3/40

All: 190.191+/-0.023 χ^2/NDF: 25919054.7/78



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/22

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: 63.4/44

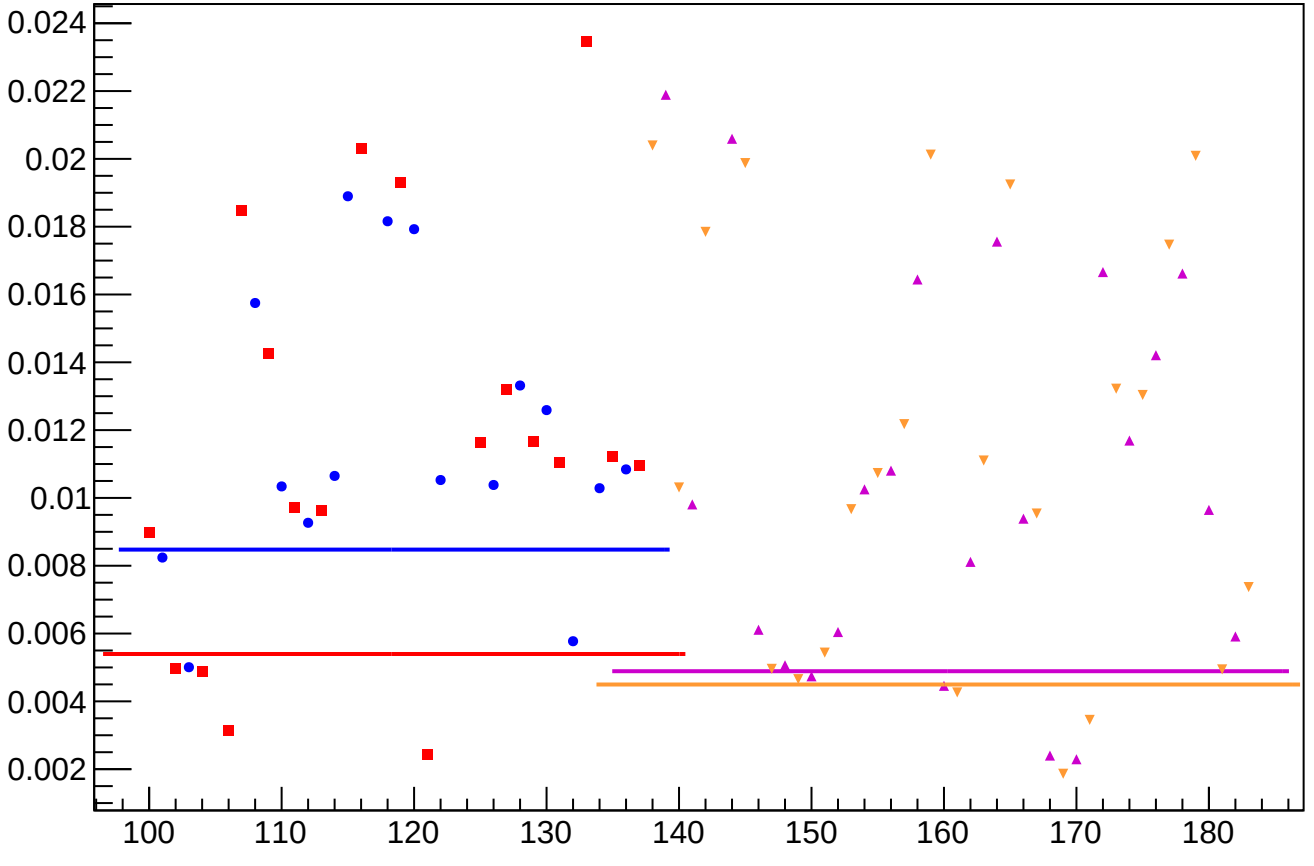
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:48.6/37

Out: -0.000+/-0.000 χ^2/NDF:52.9/40

All: -0.000+/-0.000 χ^2/NDF: 104.8/78

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:14049006.0/22

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: 25574554.5/44

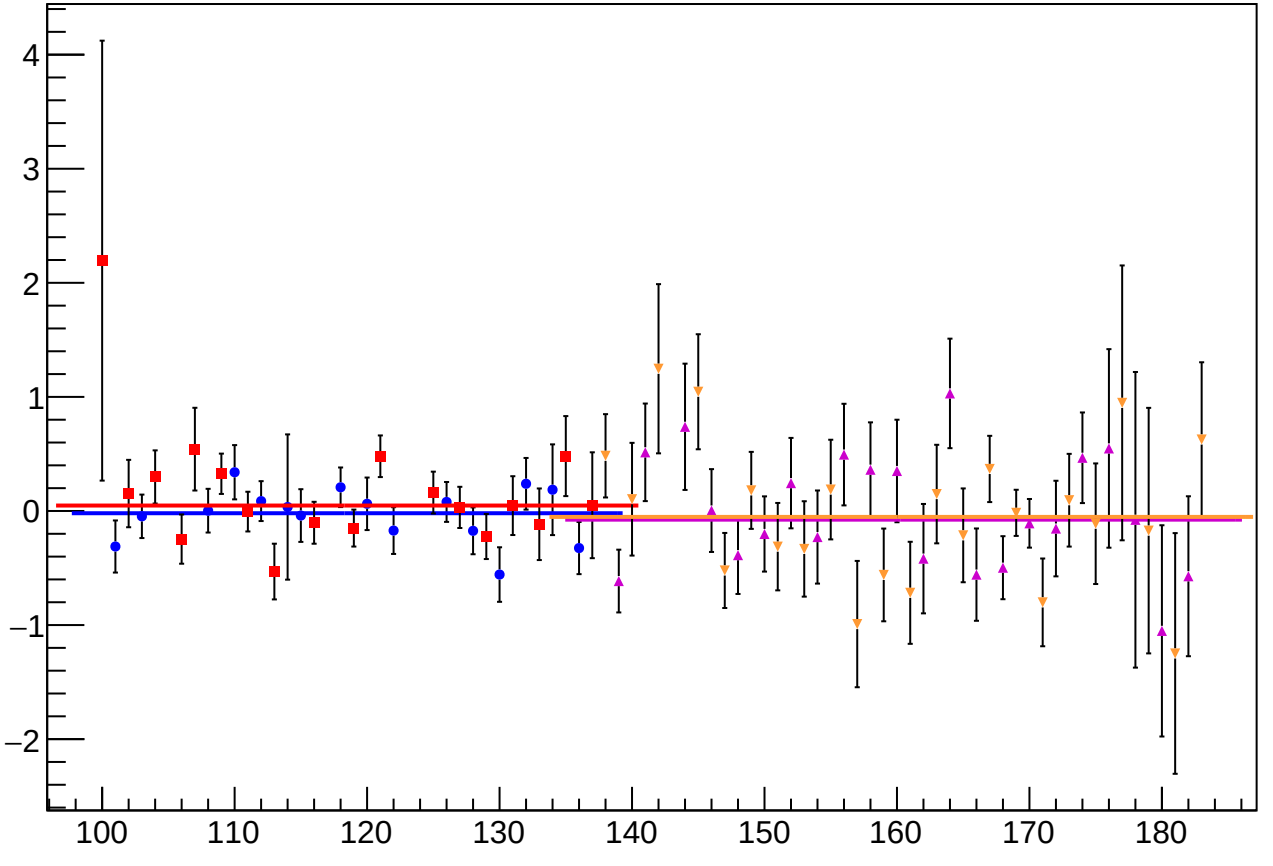
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.005+/-0.000 χ^2/NDF:15198978.9/37

Out: 0.005+/-0.000 χ^2/NDF:19151920.7/40

All: 0.005+/-0.000 χ^2/NDF: 34681804.6/78

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: -0.052+/-0.086 χ^2/NDF:29.9/22

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.076+/-0.084 χ^2/NDF:27.0/21

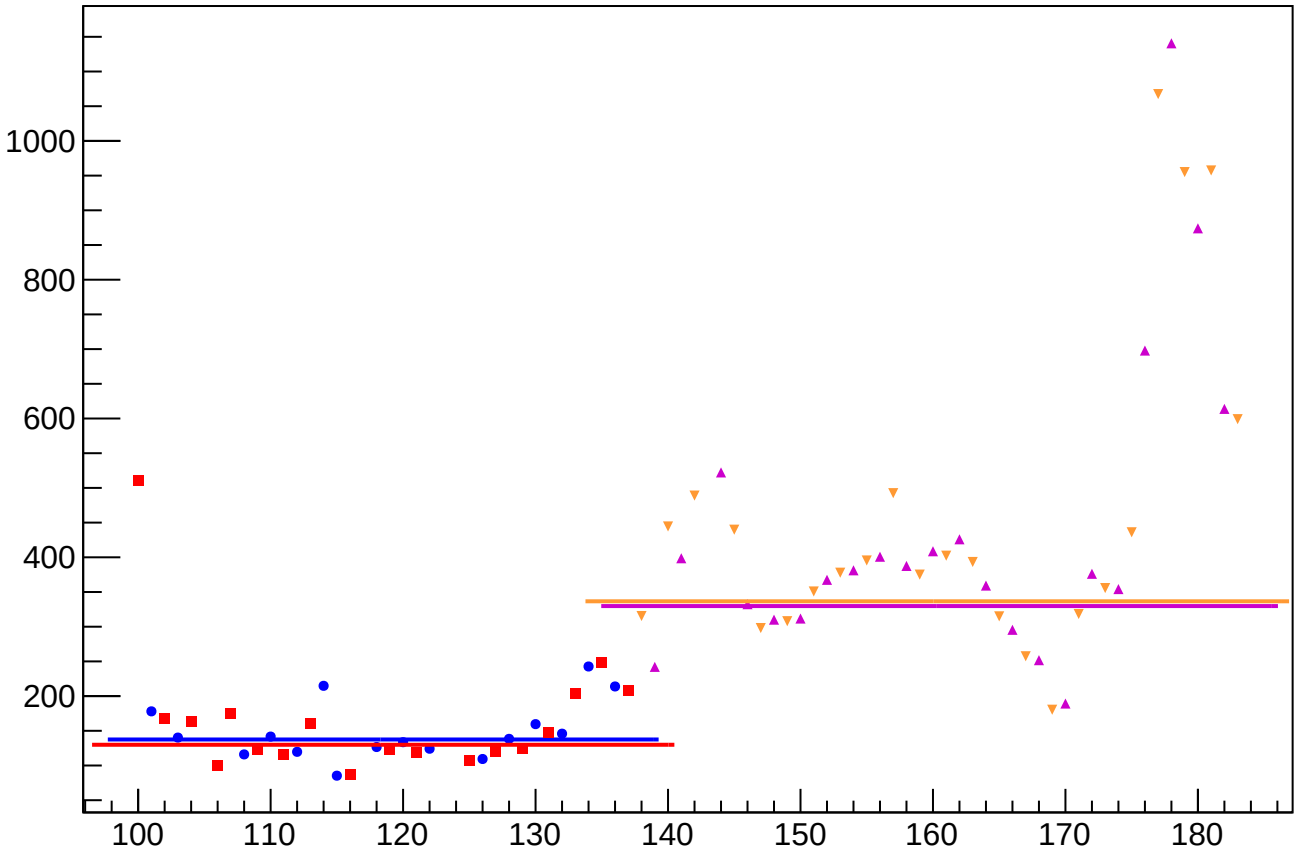
Left: -0.064+/-0.060 χ^2/NDF: 56.9/44

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.036+/-0.046 χ^2/NDF:43.3/37

Out: 0.021+/-0.045 χ^2/NDF:57.1/40

All: -0.007+/-0.032 χ^2/NDF: 101.2/78



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 336.614+/-0.061 χ^2/NDF:4441713.5/22

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: 333.095+/-0.042 χ^2/NDF: 8482237.6/44

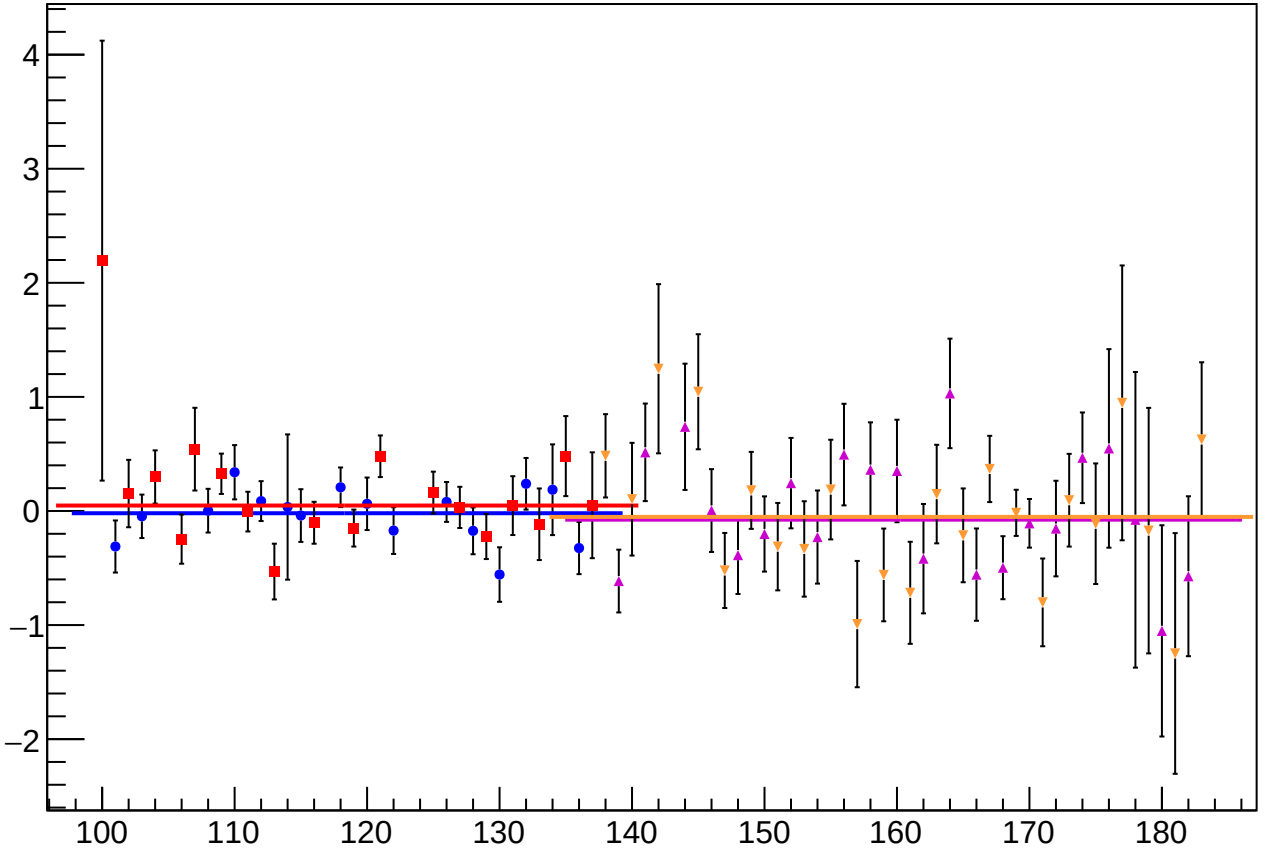
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 194.254+/-0.032 χ^2/NDF:12154472.0/37

Out: 186.258+/-0.032 χ^2/NDF:13733435.9/40

All: 190.191+/-0.023 χ^2/NDF: 25919284.8/78

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: -0.052+/-0.086 χ^2/NDF:29.9/22

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.076+/-0.084 χ^2/NDF:27.0/21

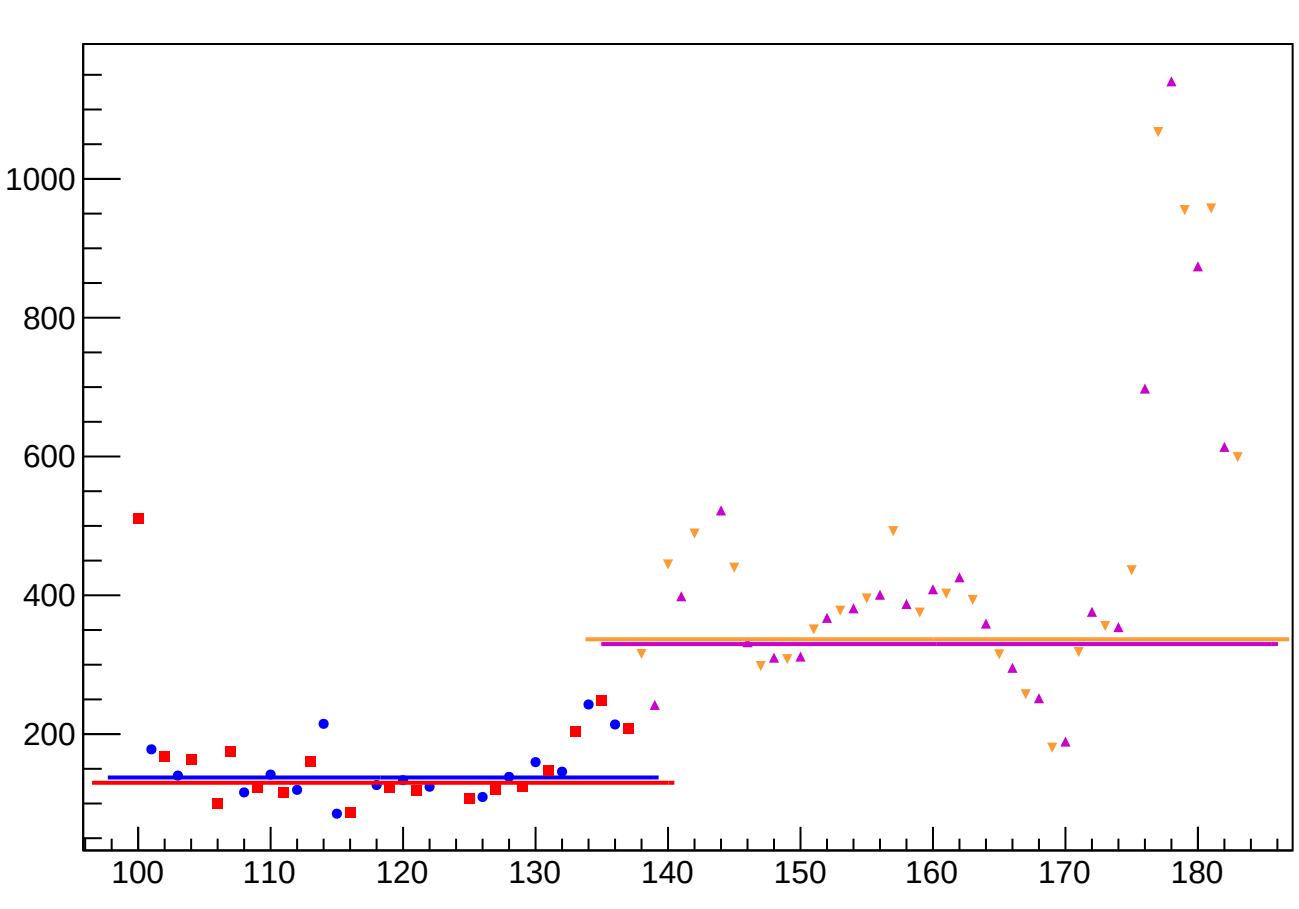
Left: -0.064+/-0.060 χ^2/NDF: 56.9/44

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.036+/-0.046 χ^2/NDF:43.3/37

Out: 0.021+/-0.045 χ^2/NDF:57.1/40

All: -0.007+/-0.032 χ^2/NDF: 101.2/78



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 336.614+/-0.061 χ^2/NDF:4441713.5/22

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 329.738+/-0.059 χ^2/NDF:4033942.1/21

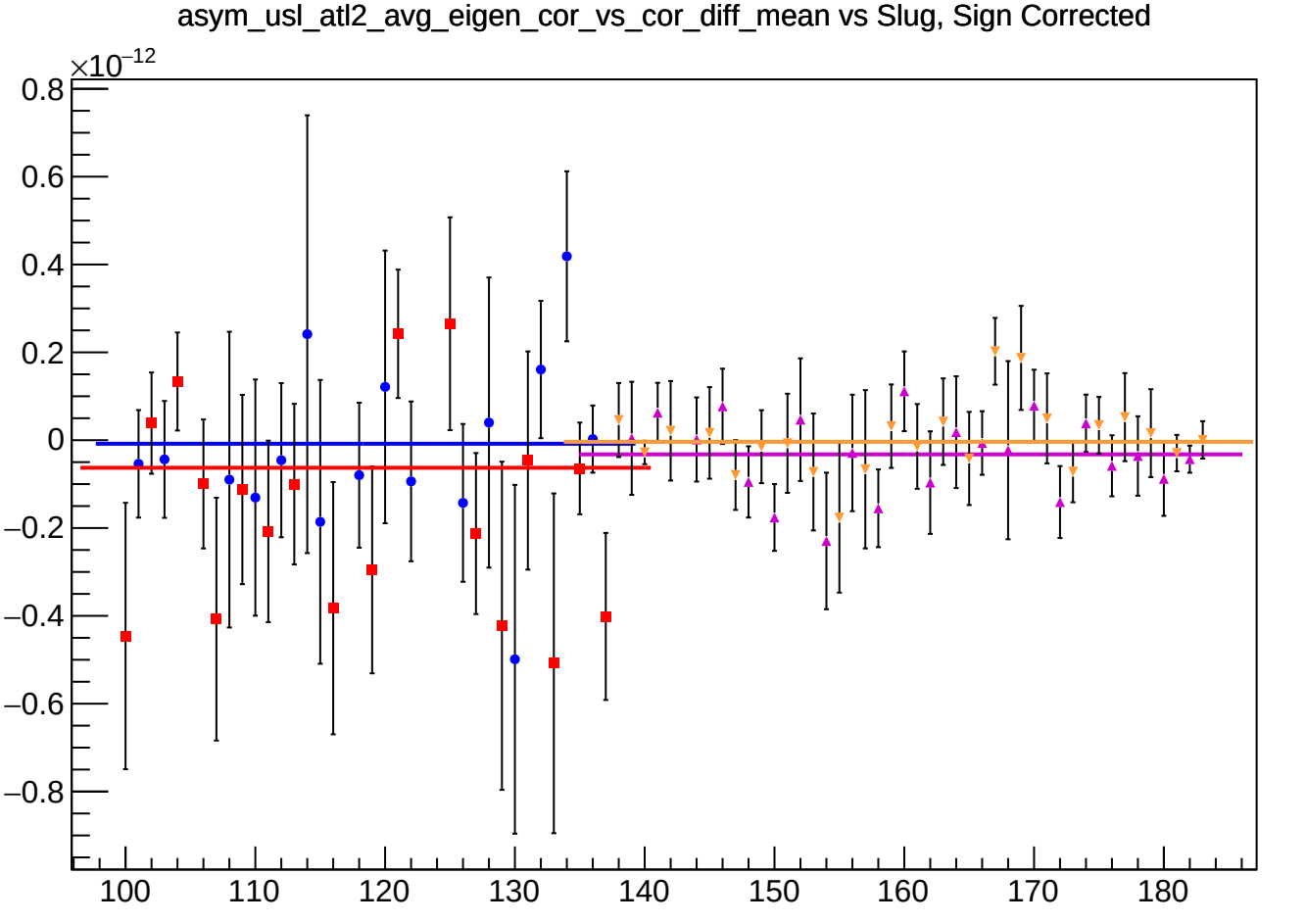
Left: 333.095+/-0.042 χ^2/NDF: 8482237.6/44

Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

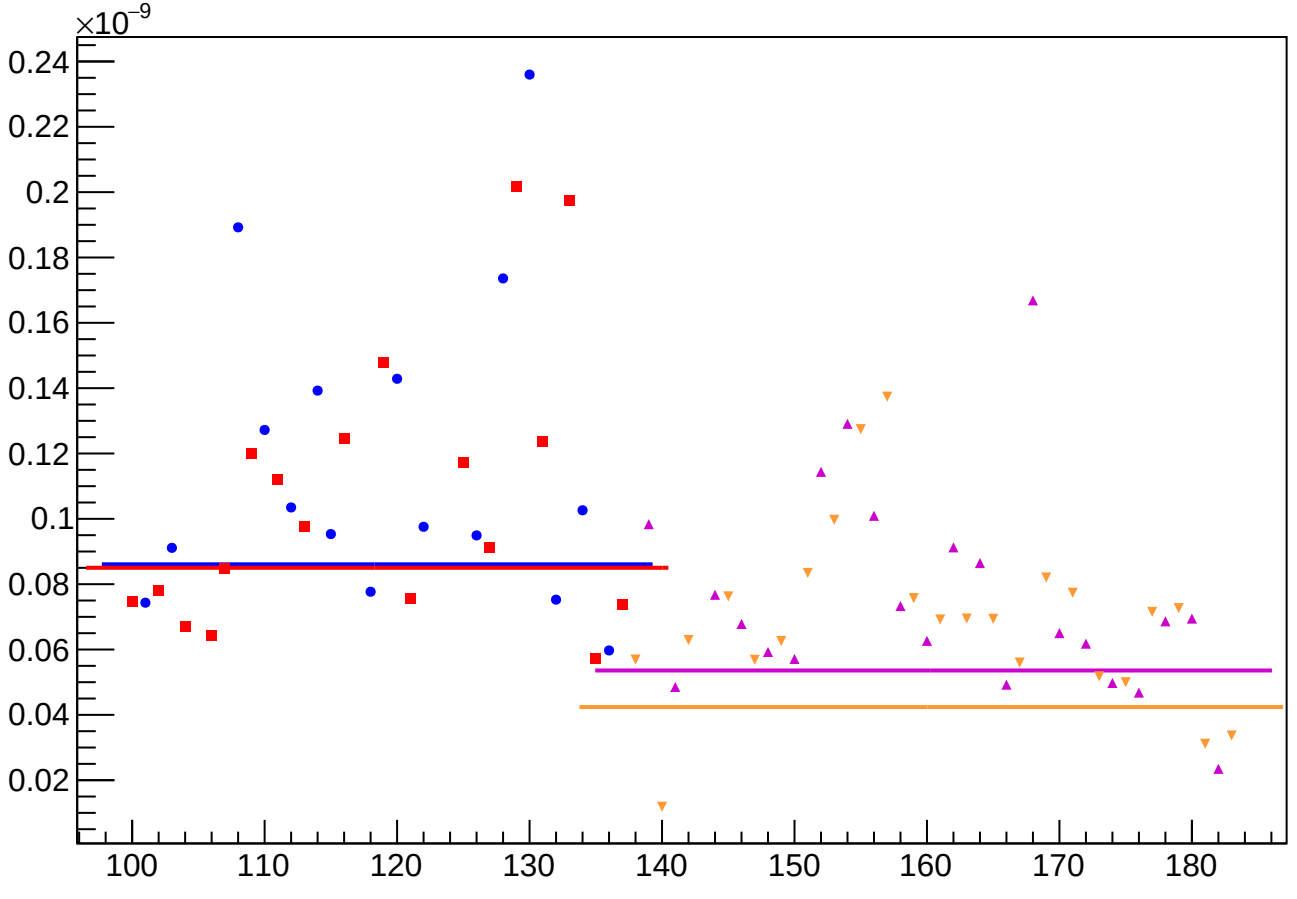
In: 194.254+/-0.032 χ^2/NDF:12154472.0/37

Out: 186.258+/-0.032 χ^2/NDF:13733435.9/40

All: 190.191+/-0.023 χ^2/NDF: 25919284.8/78


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:16.3/22
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: -0.000+/-0.000 χ²/NDF:20.4/21
Left: -0.000+/-0.000 χ²/NDF: 38.4/44
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:30.5/37
Out: -0.000+/-0.000 χ²/NDF:40.3/40
All: -0.000+/-0.000 χ²/NDF: 71.6/78

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:6675871.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:4748401.3/21

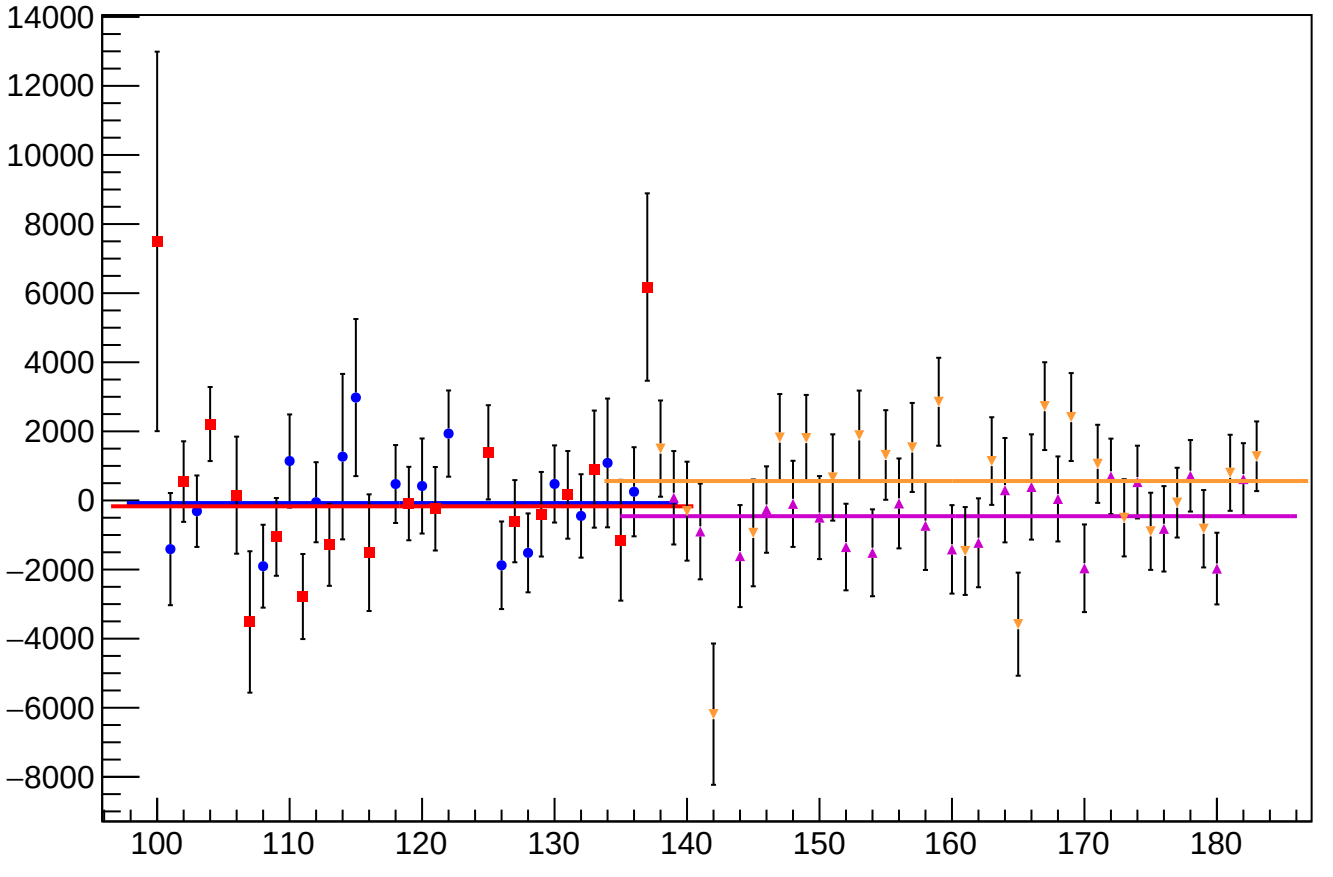
Left: 0.000+/-0.000 χ^2/NDF: 11940348.4/44

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:9520508.2/40

All: 0.000+/-0.000 χ^2/NDF: 16912655.3/78



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 562.185+/-259.222 χ^2/NDF:40.6/22

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -455.514+/-262.488 χ^2/NDF:11.9/21

Left: 59.706+/-184.442 χ^2/NDF: 60.1/44

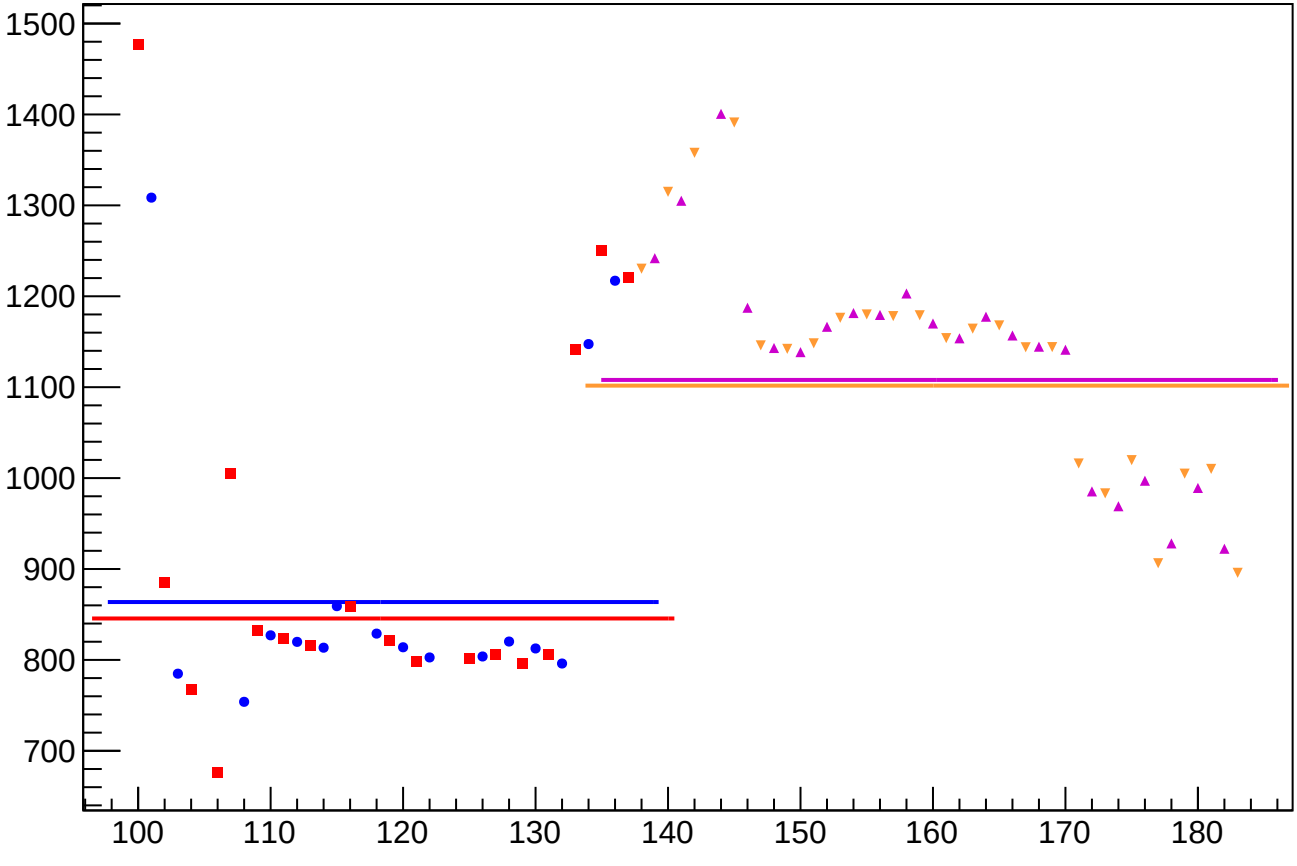
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -306.348+/-204.507 χ^2/NDF:26.1/37

Out: 274.334+/-201.879 χ^2/NDF:68.1/40

All: -12.251+/-143.670 χ^2/NDF: 98.3/78

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1101.711+/-0.183 χ^2/NDF:446976.9/22

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1107.977+/-0.186 χ^2/NDF:420906.6/21

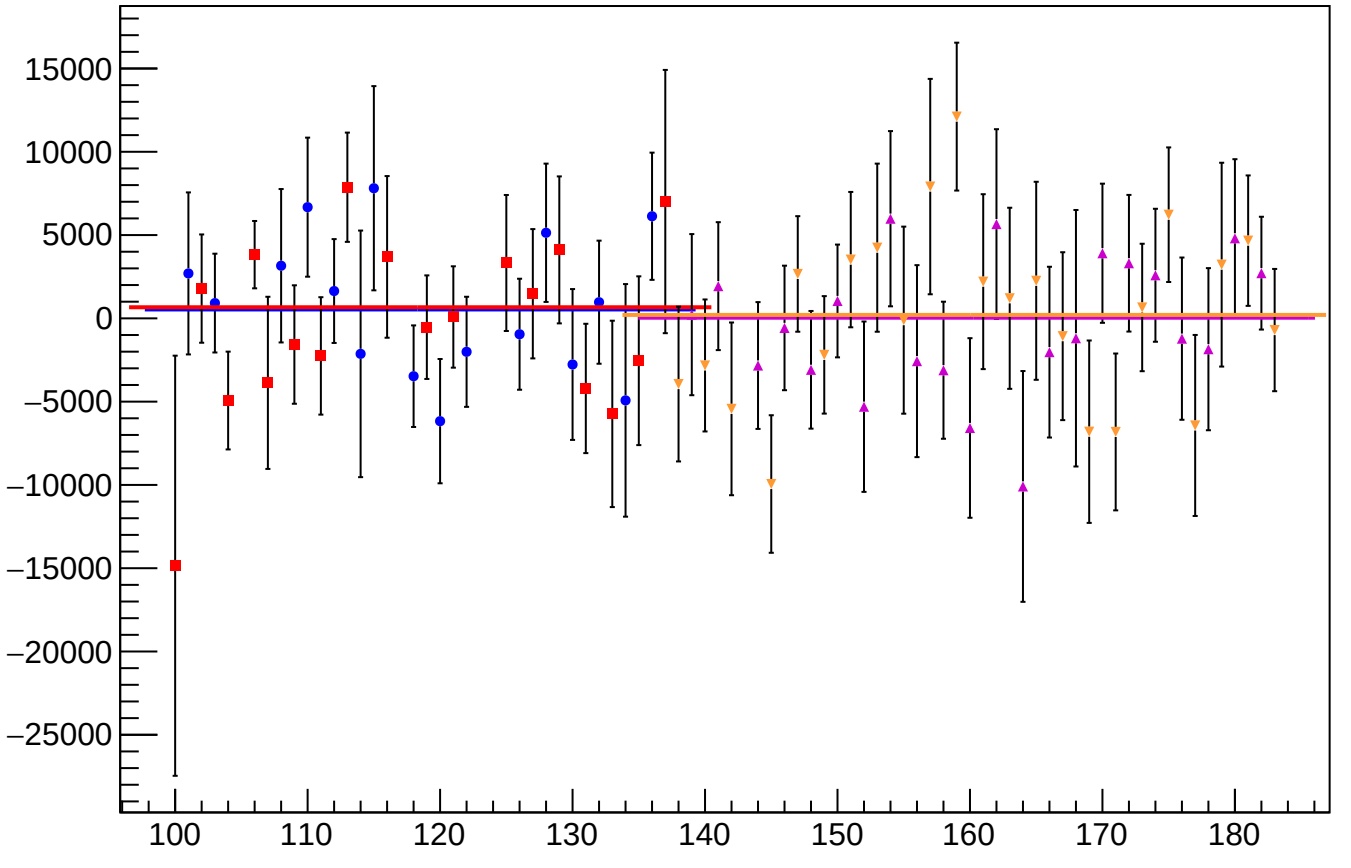
Left: 1104.804+/-0.130 χ^2/NDF: 868460.6/44

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1011.964+/-0.145 χ^2/NDF:1509318.4/37

Out: 999.401+/-0.142 χ^2/NDF:1534702.5/40

All: 1005.570+/-0.101 χ^2/NDF: 3047862.2/78



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 206.264+/-944.250 χ^2/NDF:29.1/22

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: 38.690+/-945.520 χ^2/NDF:13.4/21

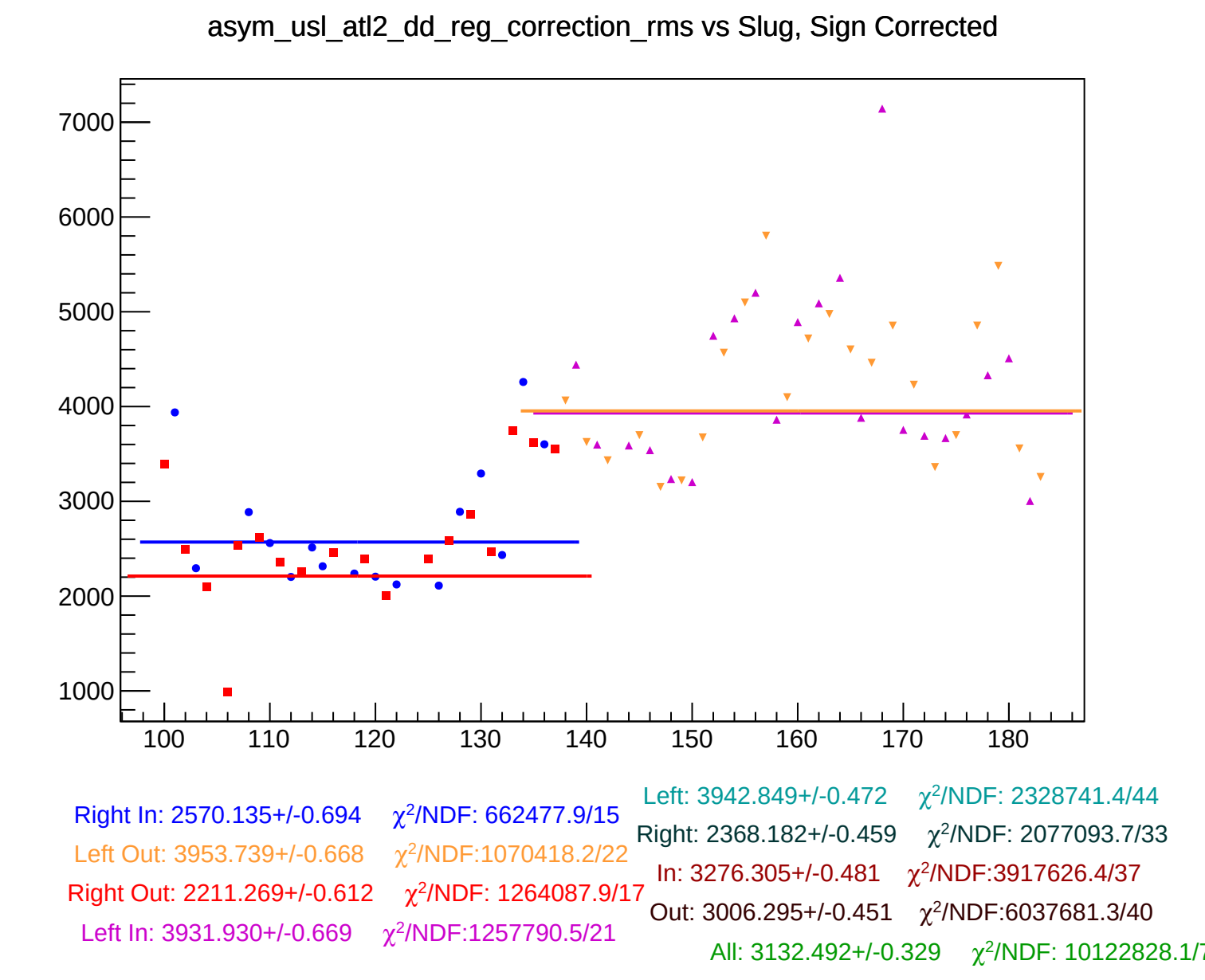
Left: 122.589+/-668.134 χ^2/NDF: 42.5/44

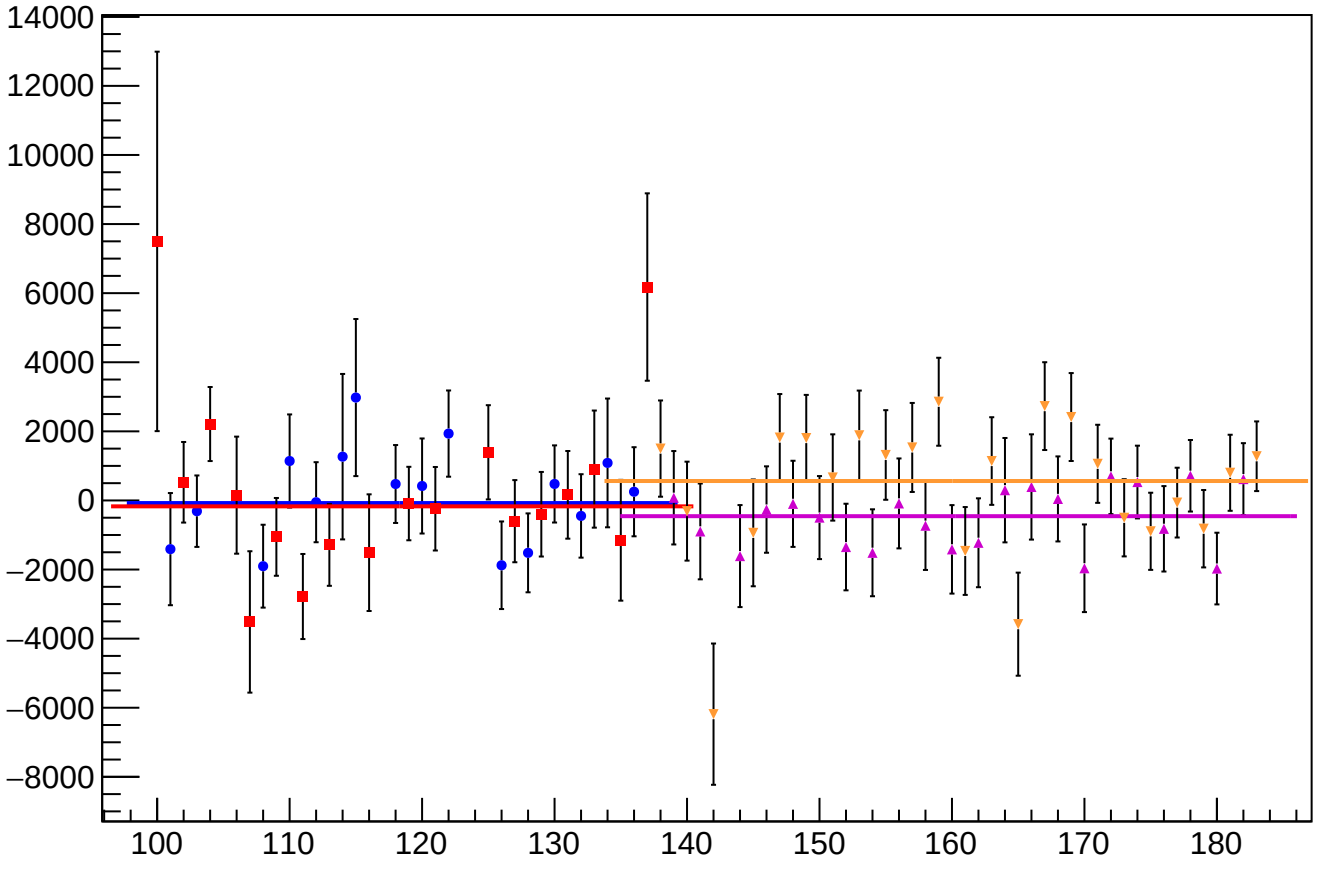
Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 277.397+/-680.878 χ^2/NDF:28.2/37

Out: 456.173+/-637.816 χ^2/NDF:49.2/40

All: 372.617+/-465.483 χ^2/NDF: 77.4/78


asym_usl_atl2_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
Right In: 2570.135+/-0.694 χ²/NDF: 662477.9/15
Left Out: 3953.739+/-0.668 χ²/NDF:1070418.2/22
Right Out: 2211.269+/-0.612 χ²/NDF: 1264087.9/17
Left In: 3931.930+/-0.669 χ²/NDF:1257790.5/21
Left: 3942.849+/-0.472 χ²/NDF: 2328741.4/44
Right: 2368.182+/-0.459 χ²/NDF: 2077093.7/33
In: 3276.305+/-0.481 χ²/NDF:3917626.4/37
Out: 3006.295+/-0.451 χ²/NDF:6037681.3/40
All: 3132.492+/-0.329 χ²/NDF: 10122828.1/7



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 562.226+/-259.222 χ^2/NDF:40.6/22

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: 59.738+/-184.442 χ^2/NDF: 60.1/44

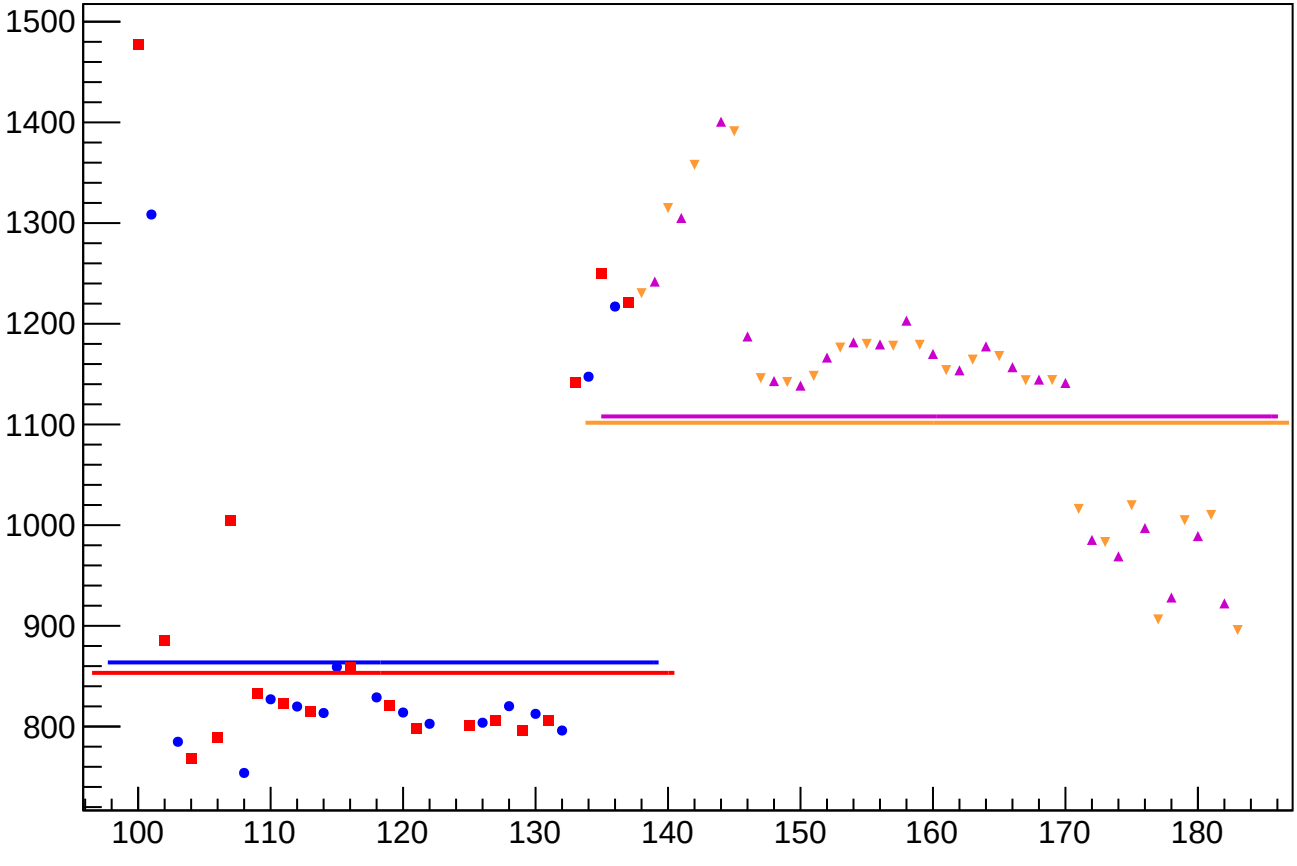
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -306.365+/-204.507 χ^2/NDF:26.1/37

Out: 273.720+/-201.880 χ^2/NDF:68.1/40

All: -12.573+/-143.670 χ^2/NDF: 98.3/78

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1101.711+/-0.183 χ^2/NDF:446976.9/22

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: 1104.805+/-0.130 χ^2/NDF: 868460.5/44

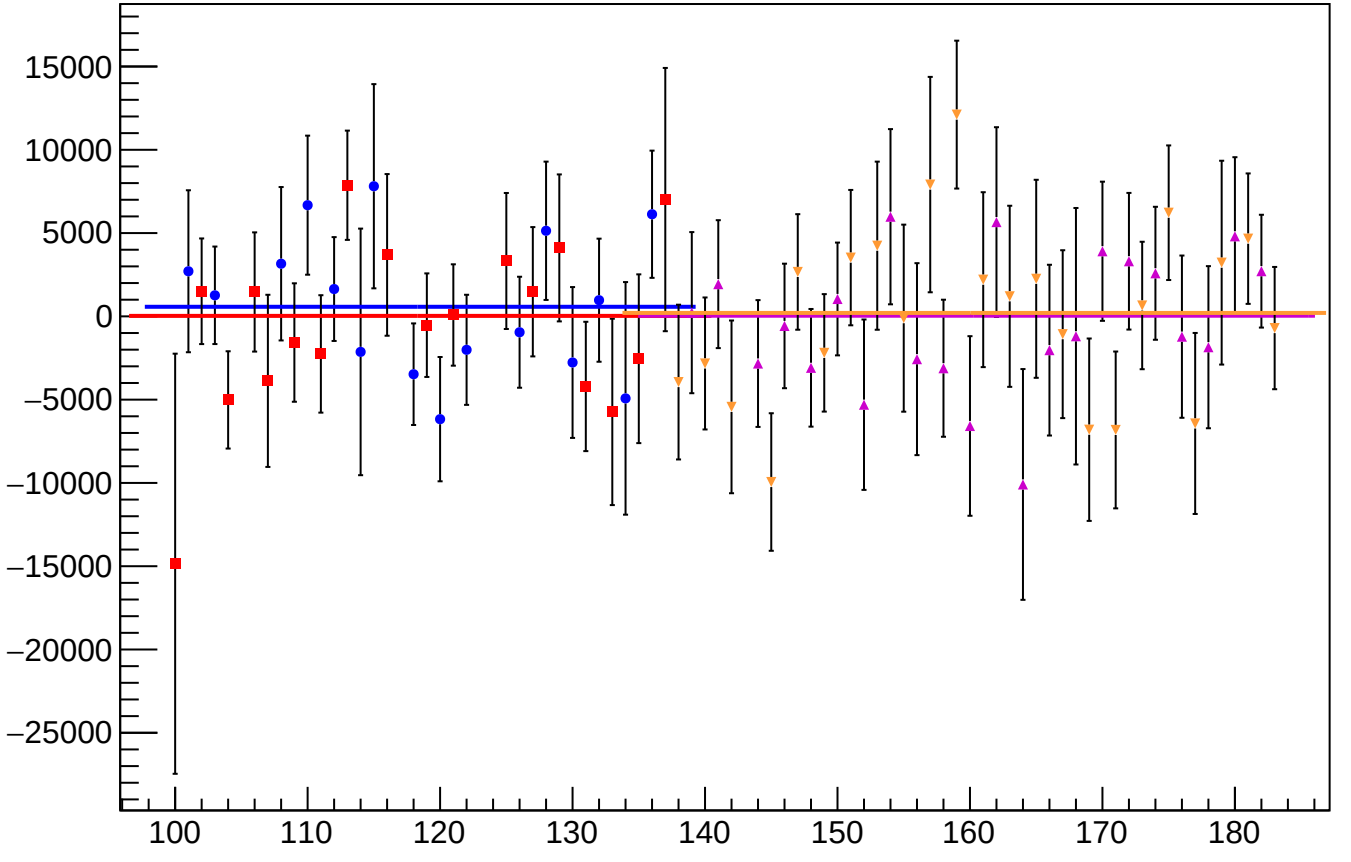
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1011.964+/-0.145 χ^2/NDF:1509318.5/37

Out: 1003.346+/-0.142 χ^2/NDF:1449632.0/40

All: 1007.591+/-0.101 χ^2/NDF: 2960752.7/78

asym_usl_atl2_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 206.272+/-944.251 χ^2/NDF:29.1/22

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 38.620+/-945.518 χ^2/NDF:13.4/21

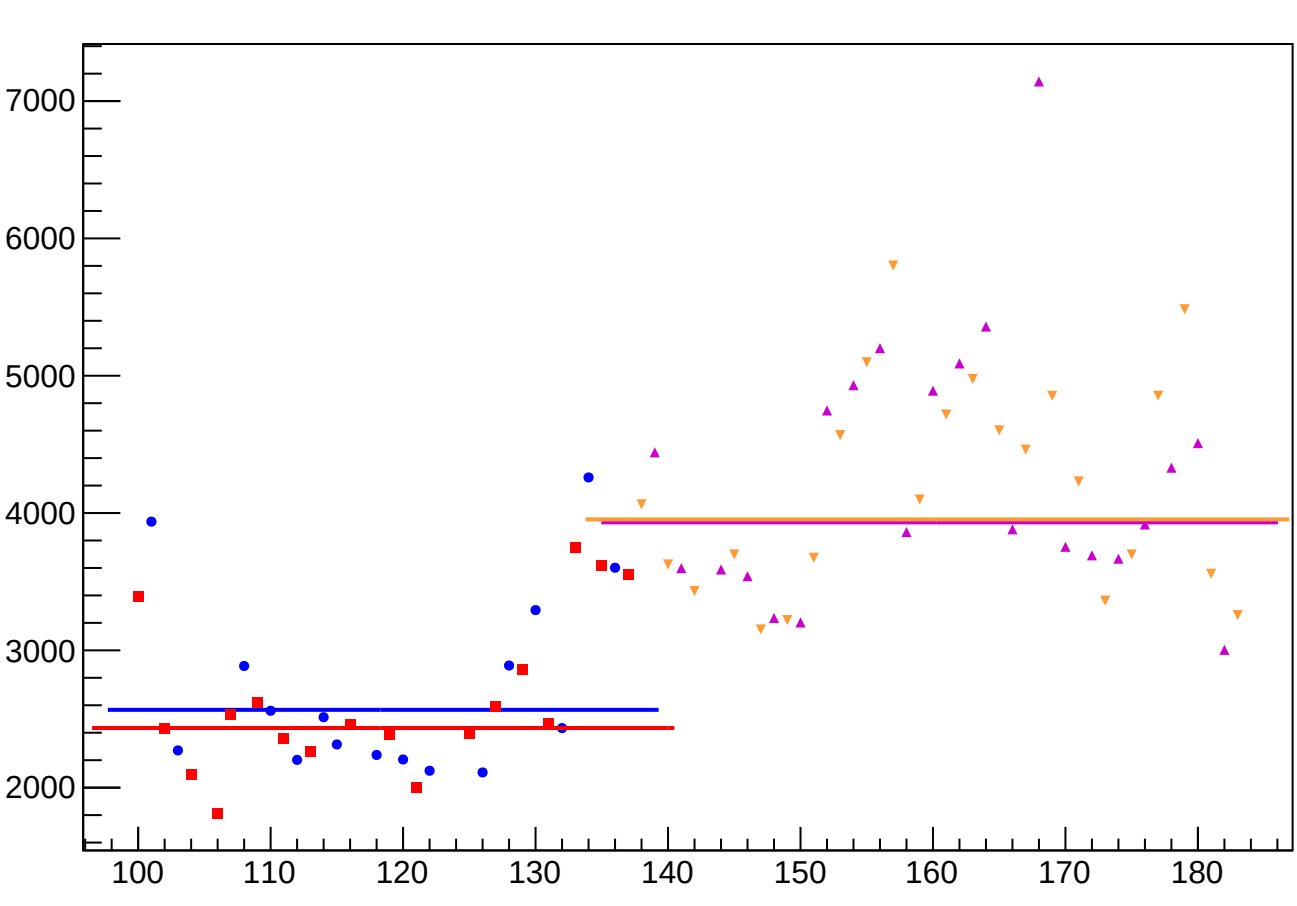
Left: 122.558+/-668.134 χ^2/NDF: 42.5/44

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 297.230+/-680.398 χ^2/NDF:28.3/37

Out: 115.331+/-659.721 χ^2/NDF:46.3/40

All: 203.474+/-473.634 χ^2/NDF: 74.6/78



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3953.743+/-0.668 χ^2/NDF:1070409.6/22

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3931.924+/-0.669 χ^2/NDF:1257798.5/21

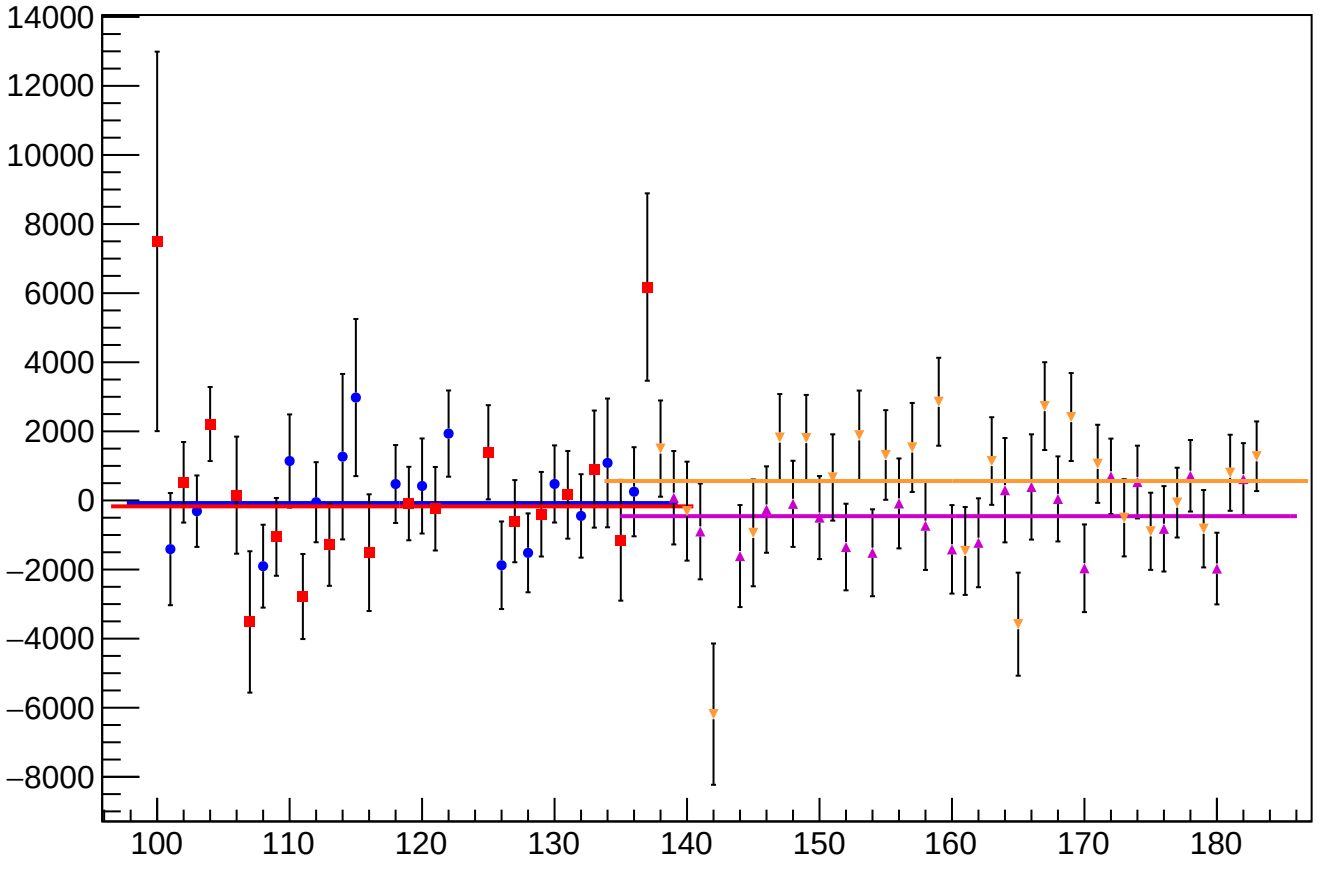
Left: 3942.848+/-0.472 χ^2/NDF: 2328741.4/44

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3273.668+/-0.481 χ^2/NDF:3934052.9/37

Out: 3176.069+/-0.466 χ^2/NDF:4154816.5/40

All: 3223.363+/-0.335 χ^2/NDF: 8110080.1/78



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 562.226+/-259.222 χ^2/NDF:40.6/22

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -455.492+/-262.488 χ^2/NDF:11.9/21

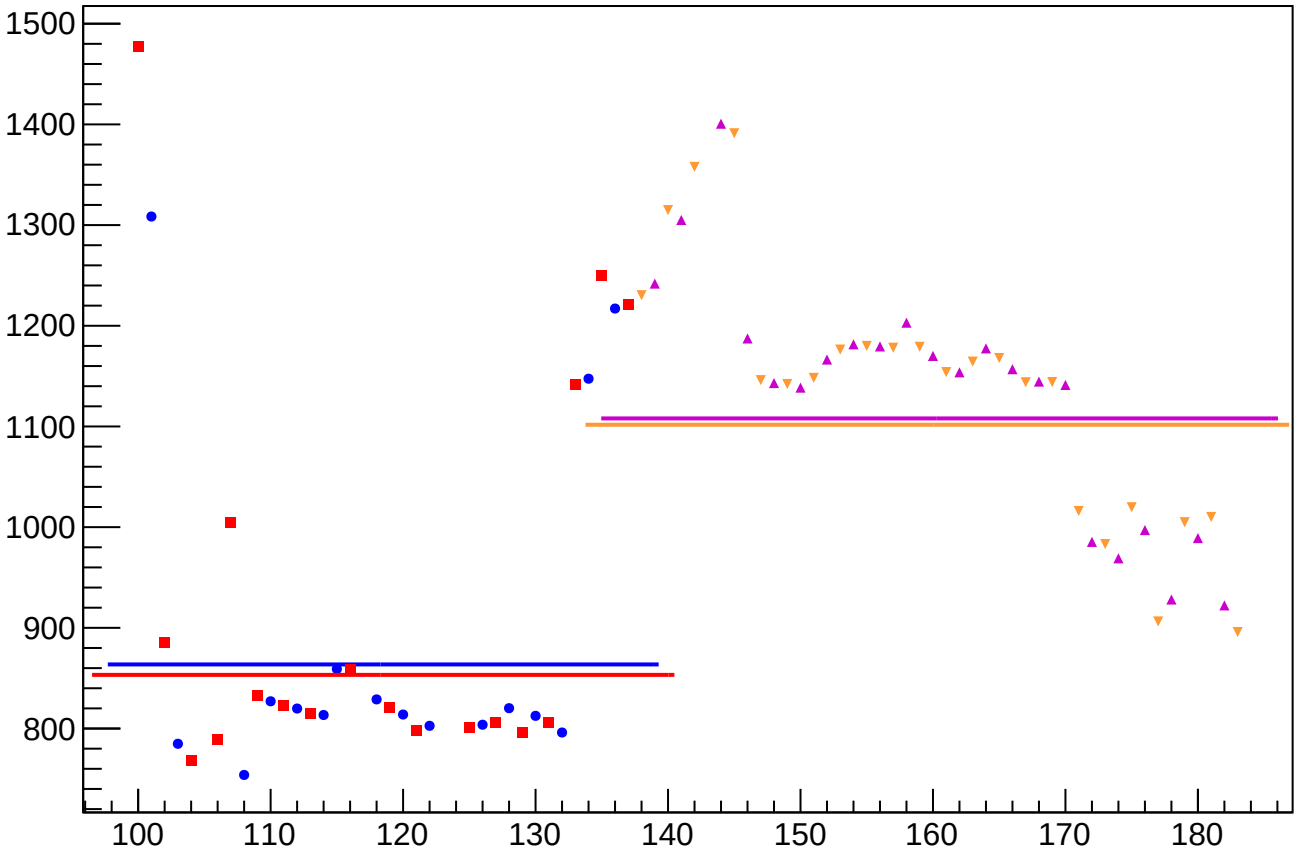
Left: 59.738+/-184.442 χ^2/NDF: 60.1/44

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -306.365+/-204.507 χ^2/NDF:26.1/37

Out: 273.720+/-201.880 χ^2/NDF:68.1/40

All: -12.573+/-143.670 χ^2/NDF: 98.3/78



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1101.711+/-0.183 χ^2/NDF:446976.9/22

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1107.977+/-0.186 χ^2/NDF:420906.6/21

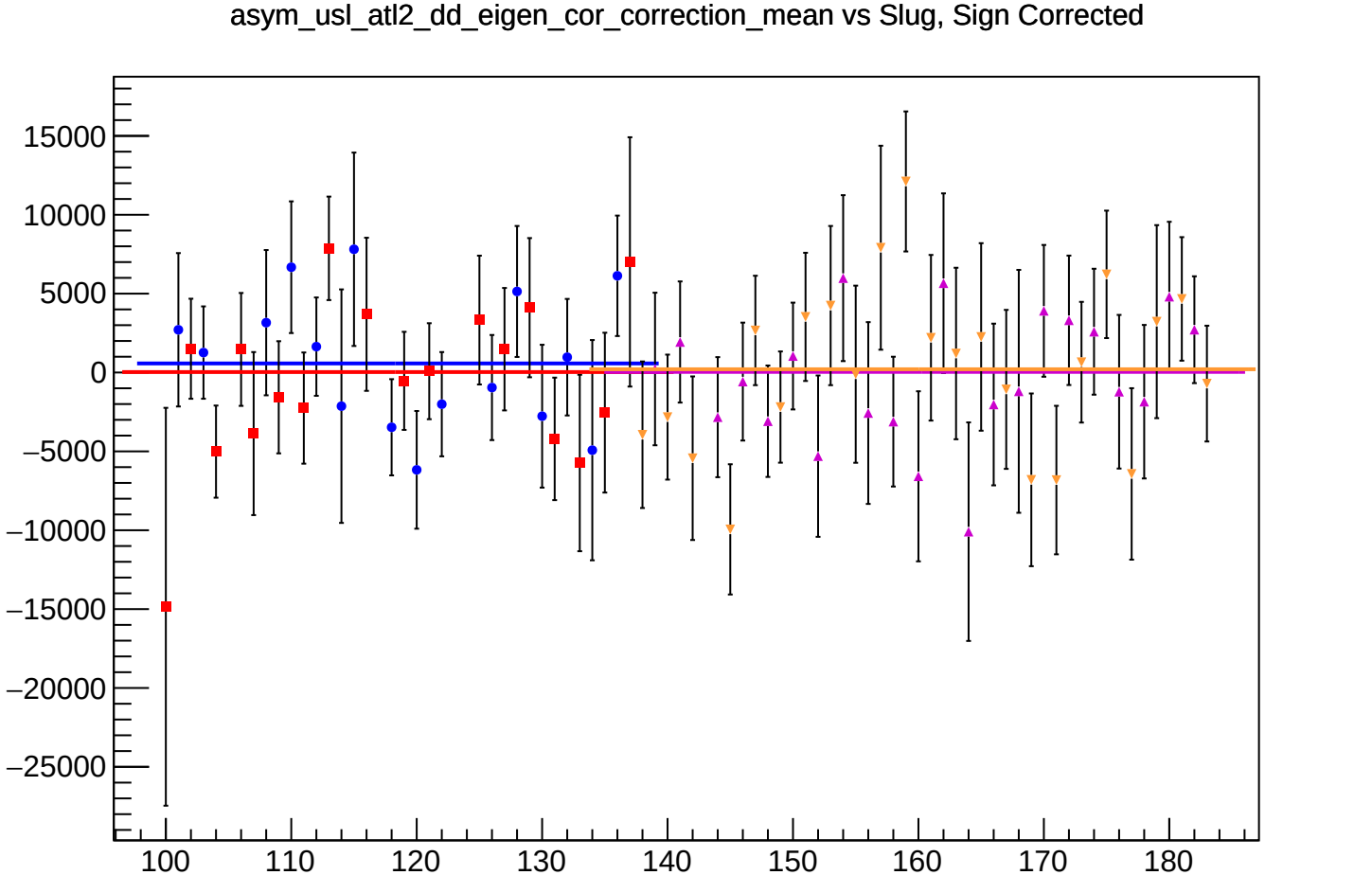
Left: 1104.805+/-0.130 χ^2/NDF: 868460.5/44

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1011.964+/-0.145 χ^2/NDF:1509318.5/37

Out: 1003.346+/-0.142 χ^2/NDF:1449632.0/40

All: 1007.591+/-0.101 χ^2/NDF: 2960752.7/78



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 206.272+/-944.251 χ^2/NDF:29.1/22

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 38.620+/-945.518 χ^2/NDF:13.4/21

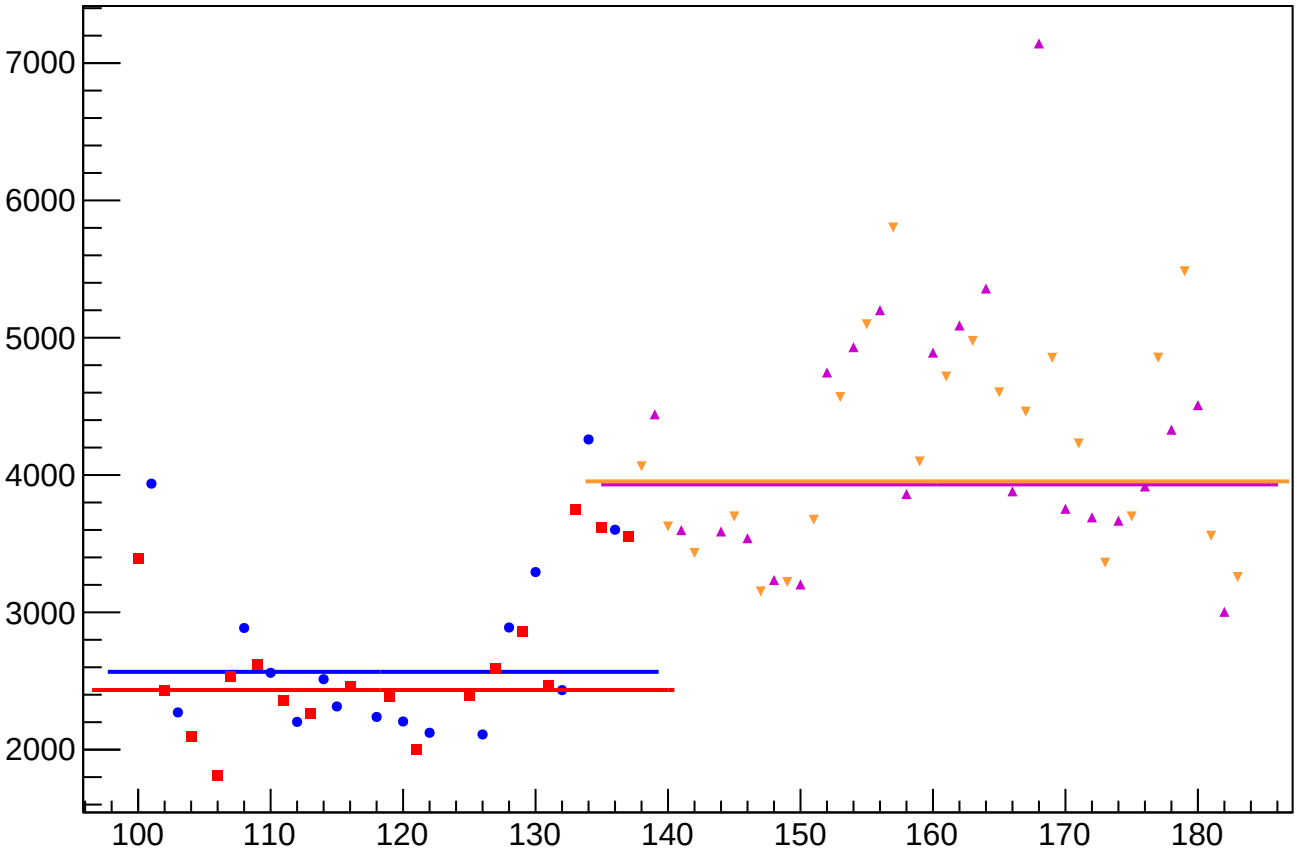
Left: 122.558+/-668.134 χ^2/NDF: 42.5/44

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 297.230+/-680.398 χ^2/NDF:28.3/37

Out: 115.331+/-659.721 χ^2/NDF:46.3/40

All: 203.474+/-473.634 χ^2/NDF: 74.6/78



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3953.743+/-0.668 χ^2/NDF:1070409.6/22

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3931.924+/-0.669 χ^2/NDF:1257798.5/21

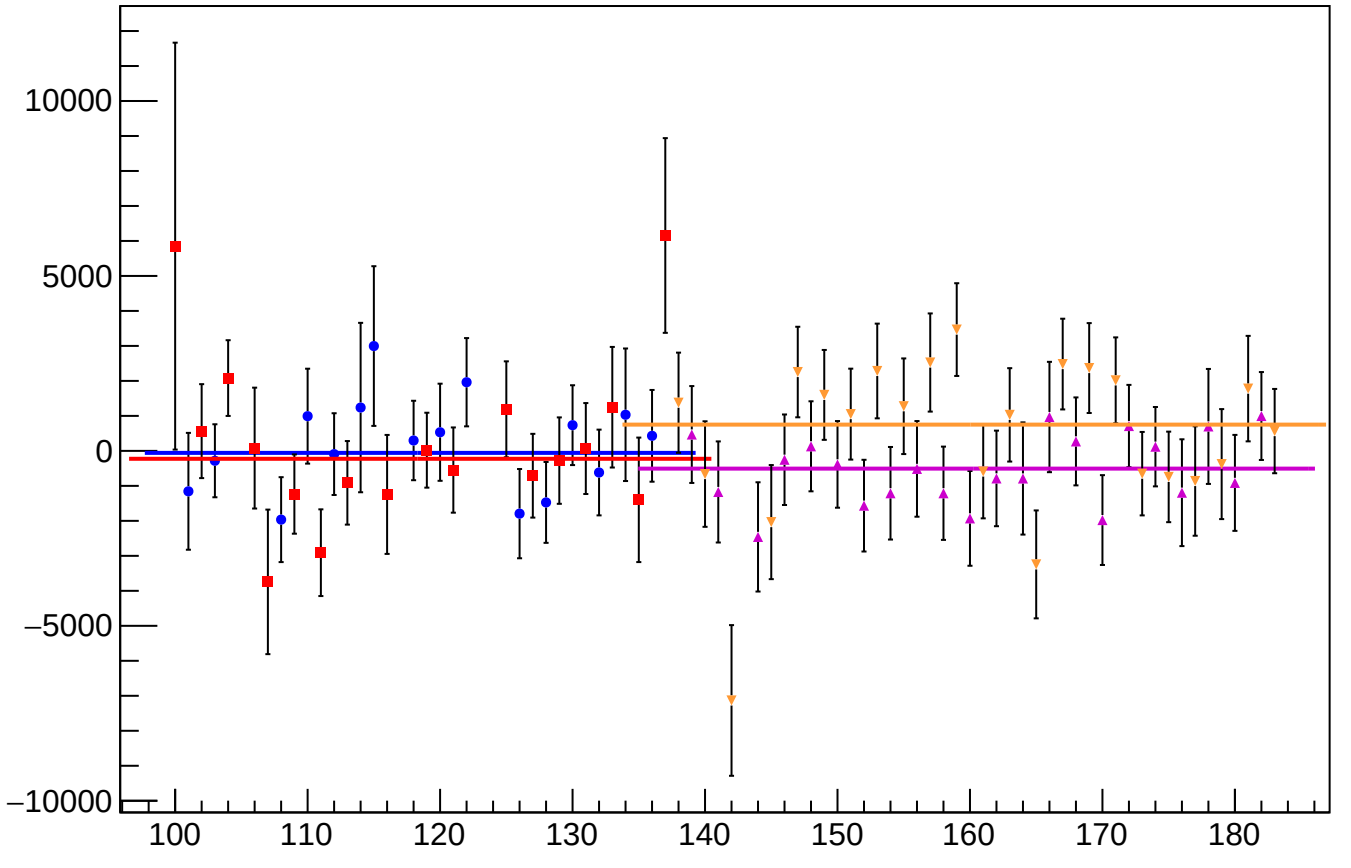
Left: 3942.848+/-0.472 χ^2/NDF: 2328741.4/44

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3273.668+/-0.481 χ^2/NDF:3934052.9/37

Out: 3176.069+/-0.466 χ^2/NDF:4154816.5/40

All: 3223.363+/-0.335 χ^2/NDF: 8110080.1/78



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 750.600+/-287.241 χ^2/NDF:43.4/22

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: 122.469+/-203.221 χ^2/NDF: 64.2/44

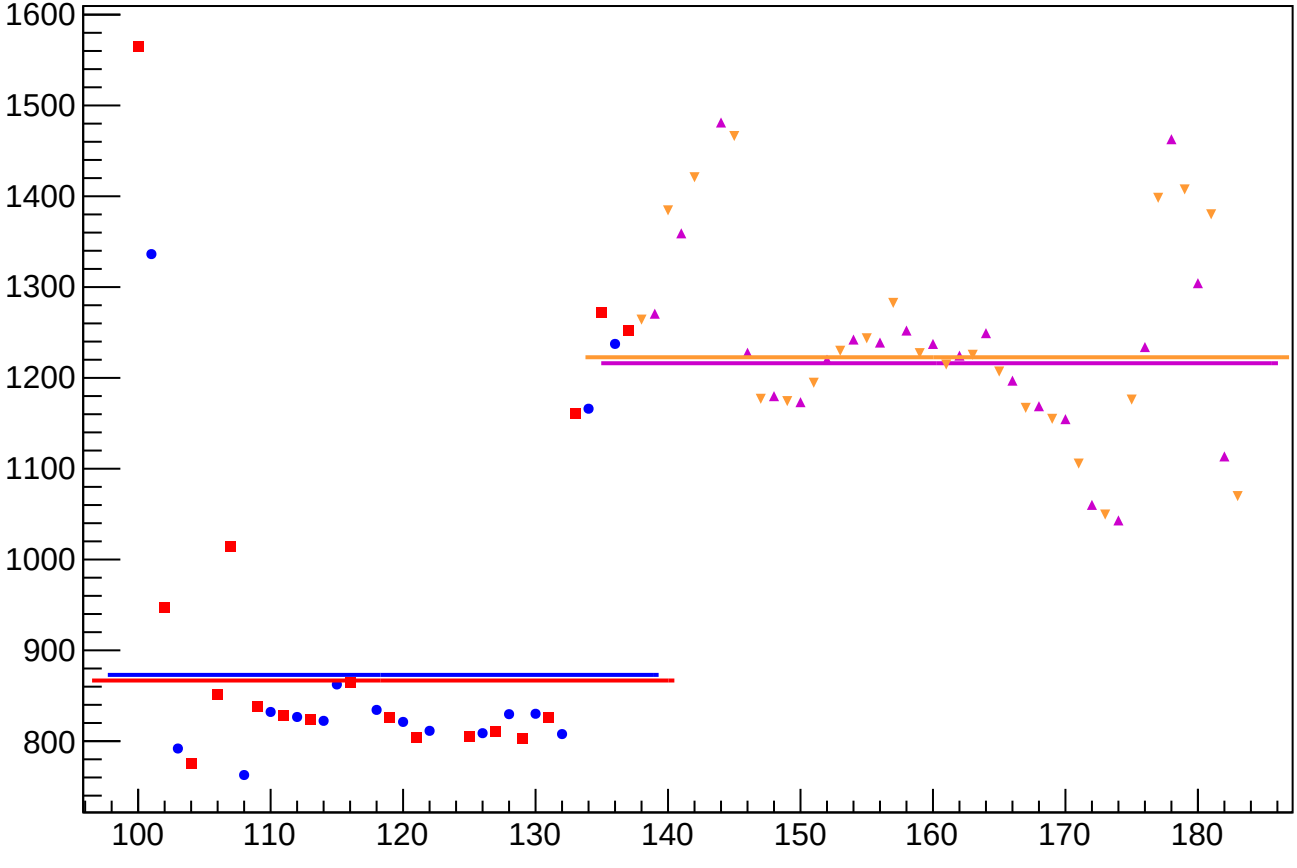
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -312.953+/-216.820 χ^2/NDF:25.2/37

Out: 326.785+/-216.112 χ^2/NDF:71.4/40

All: 7.963+/-153.064 χ^2/NDF: 100.9/78

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1222.734+/-0.203 χ^2/NDF:276107.3/22

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1216.151+/-0.203 χ^2/NDF:245197.4/21

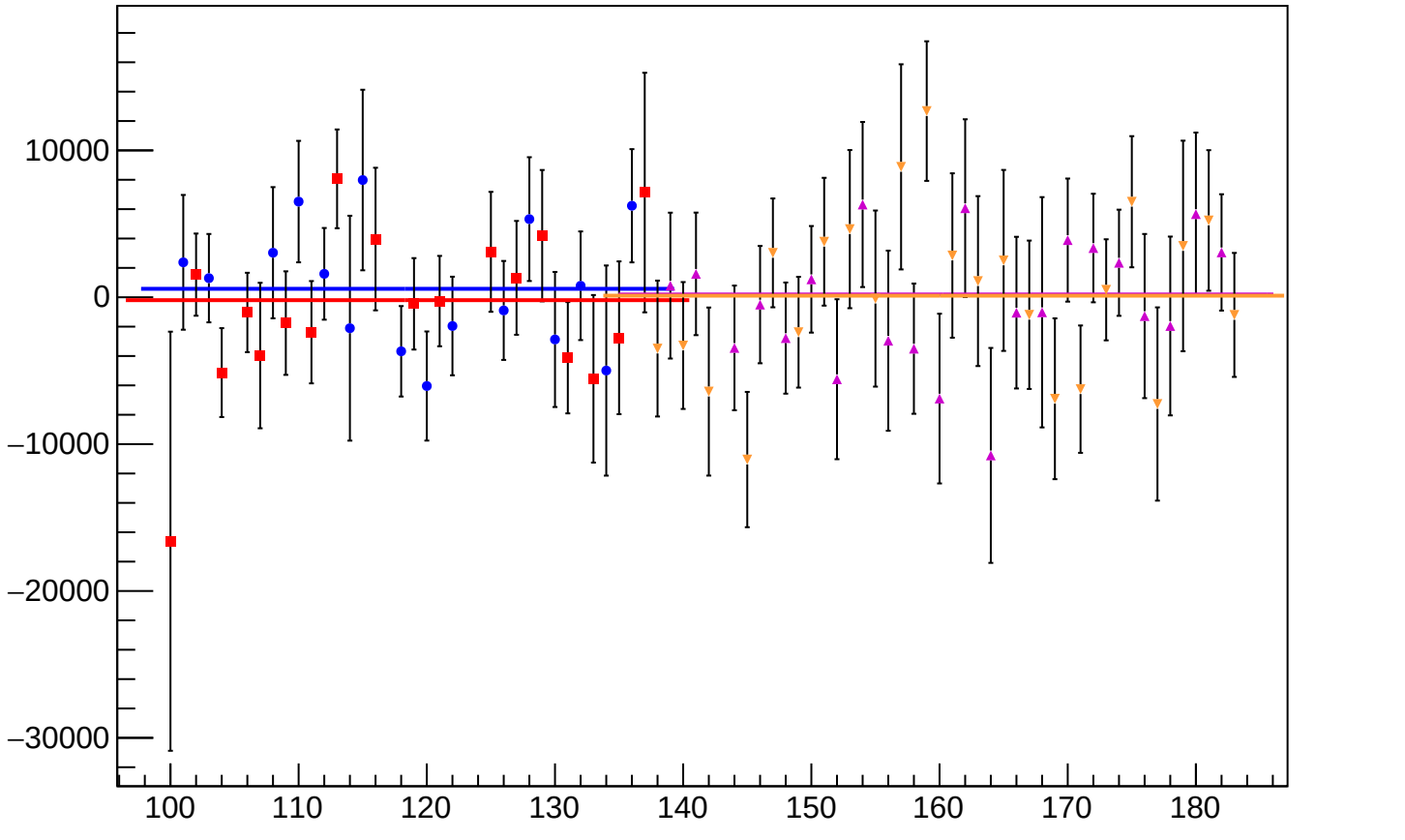
Left: 1219.446+/-0.144 χ^2/NDF: 521829.4/44

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1068.082+/-0.153 χ^2/NDF:1891356.4/37

Out: 1068.096+/-0.153 χ^2/NDF:1900809.8/40

All: 1068.089+/-0.108 χ^2/NDF: 3792166.2/78



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 107.820+/-1004.138 χ^2/NDF:28.5/22

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: 188.323+/-1001.817 χ^2/NDF:13.2/21

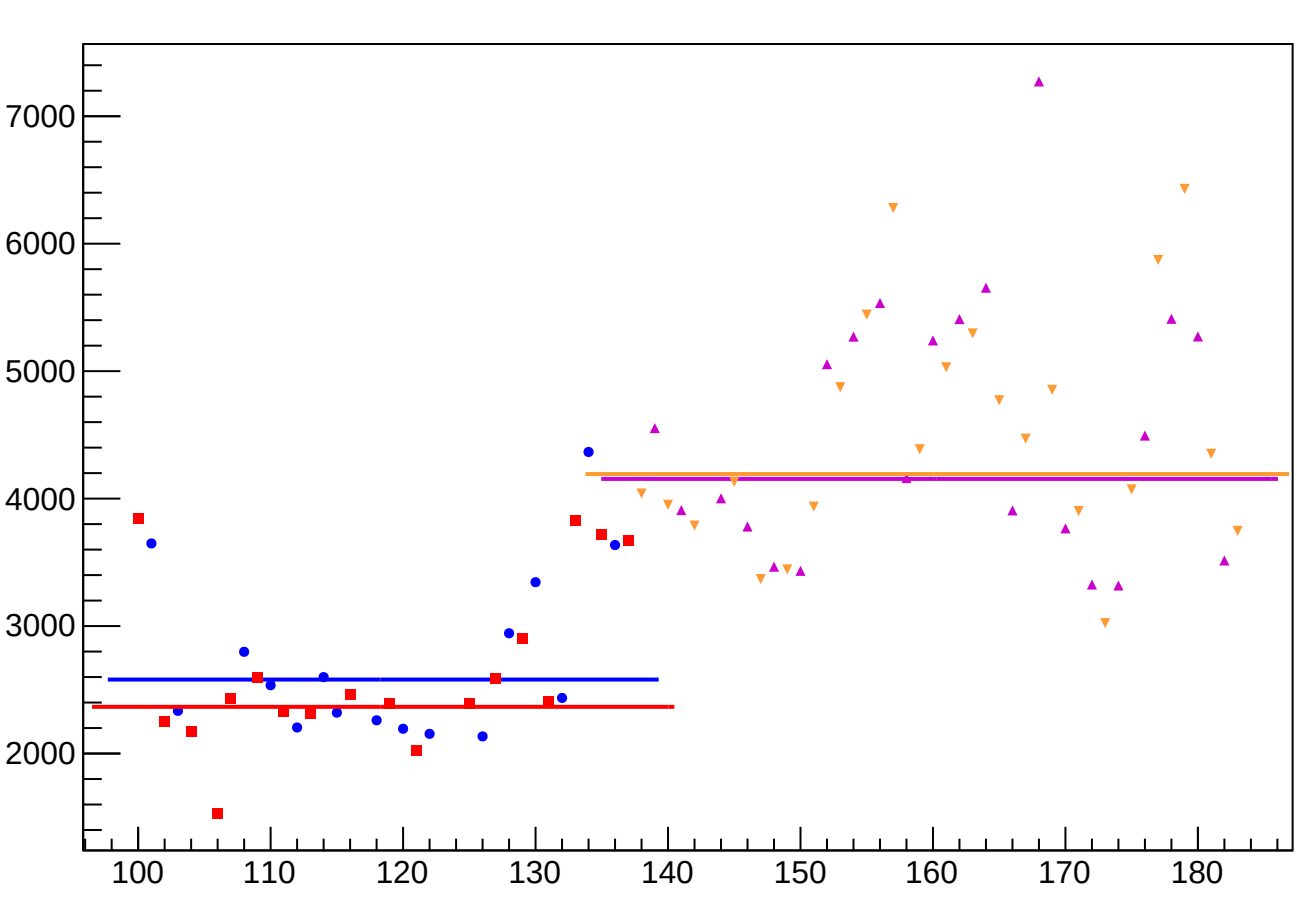
Left: 148.165+/-709.210 χ^2/NDF: 41.7/44

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 385.094+/-702.330 χ^2/NDF:28.0/37

Out: -62.729+/-667.761 χ^2/NDF:45.7/40

All: 149.891+/-483.938 χ^2/NDF: 73.9/78



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4192.819+/-0.710 χ^2/NDF:1265538.0/22

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4154.499+/-0.708 χ^2/NDF:1432063.4/21

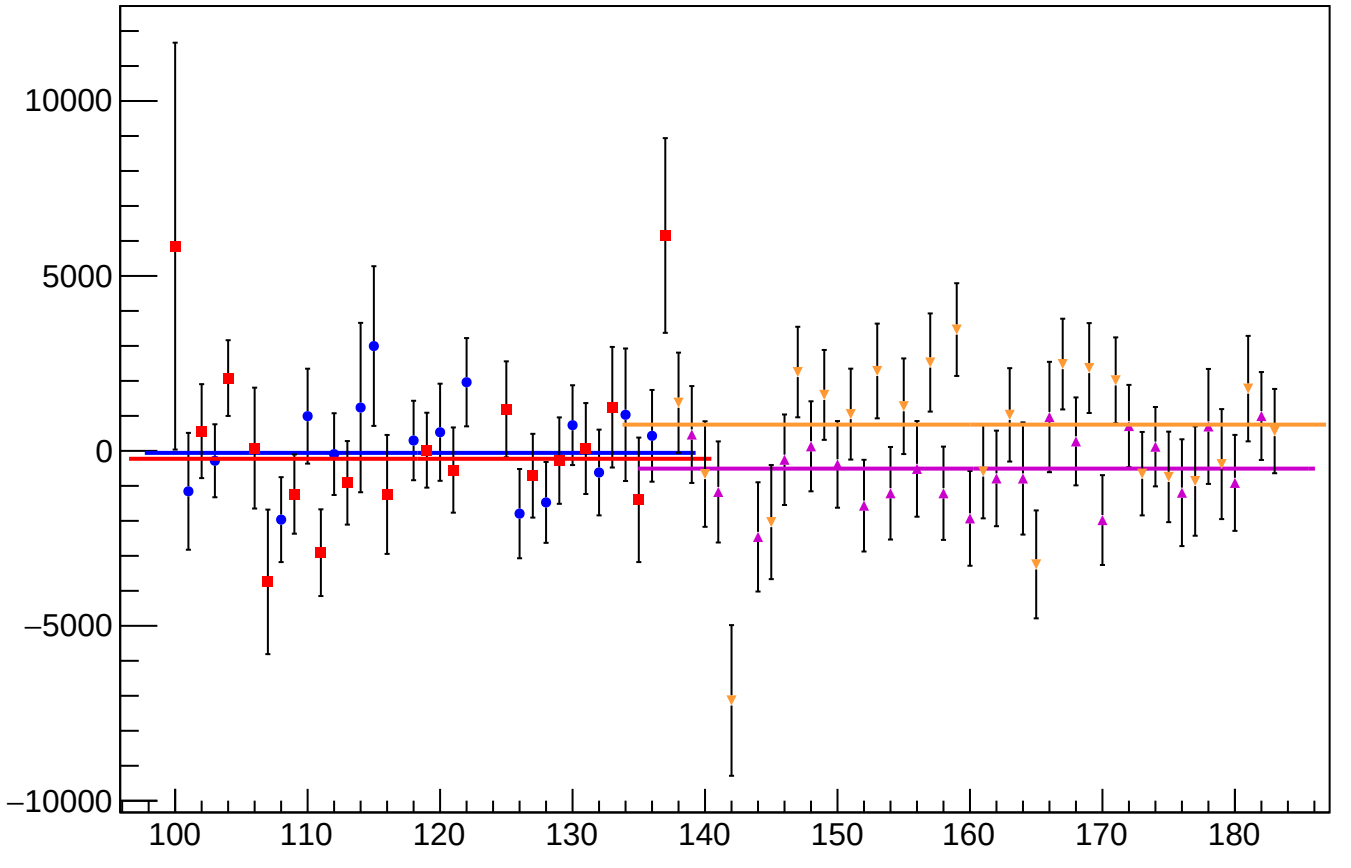
Left: 4173.614+/-0.501 χ^2/NDF: 2699061.1/44

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3354.026+/-0.497 χ^2/NDF:4560172.1/37

Out: 3174.118+/-0.472 χ^2/NDF:5567753.9/40

All: 3259.535+/-0.342 χ^2/NDF: 10196852.6/7



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 750.602+/-287.241 χ^2/NDF:43.4/22

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -507.034+/-287.555 χ^2/NDF:11.2/21

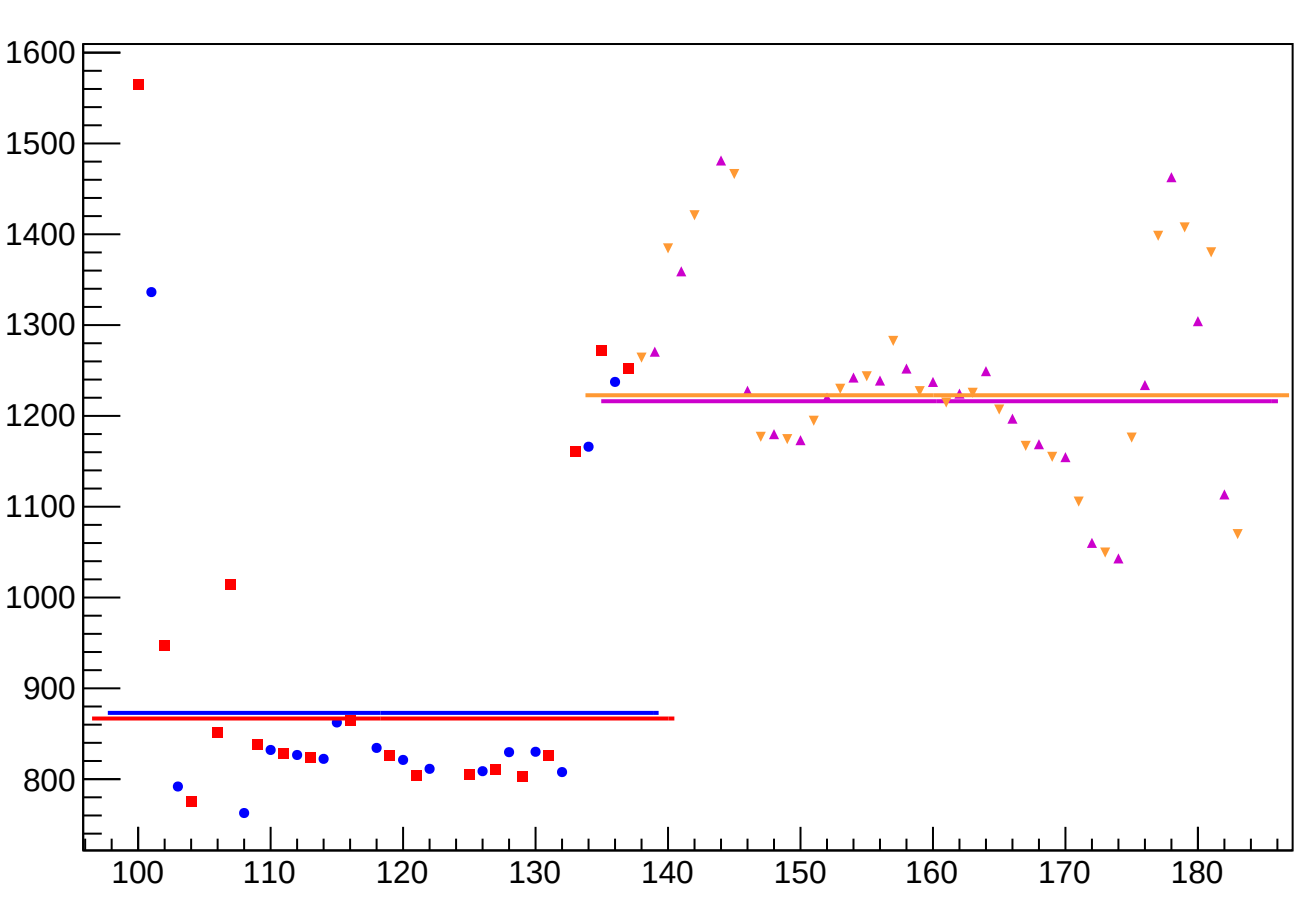
Left: 122.470+/-203.221 χ^2/NDF: 64.2/44

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -312.953+/-216.821 χ^2/NDF:25.2/37

Out: 326.784+/-216.112 χ^2/NDF:71.4/40

All: 7.963+/-153.064 χ^2/NDF: 100.9/78



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1222.735+/-0.203 χ^2/NDF:276119.1/22

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1216.152+/-0.203 χ^2/NDF:245208.3/21

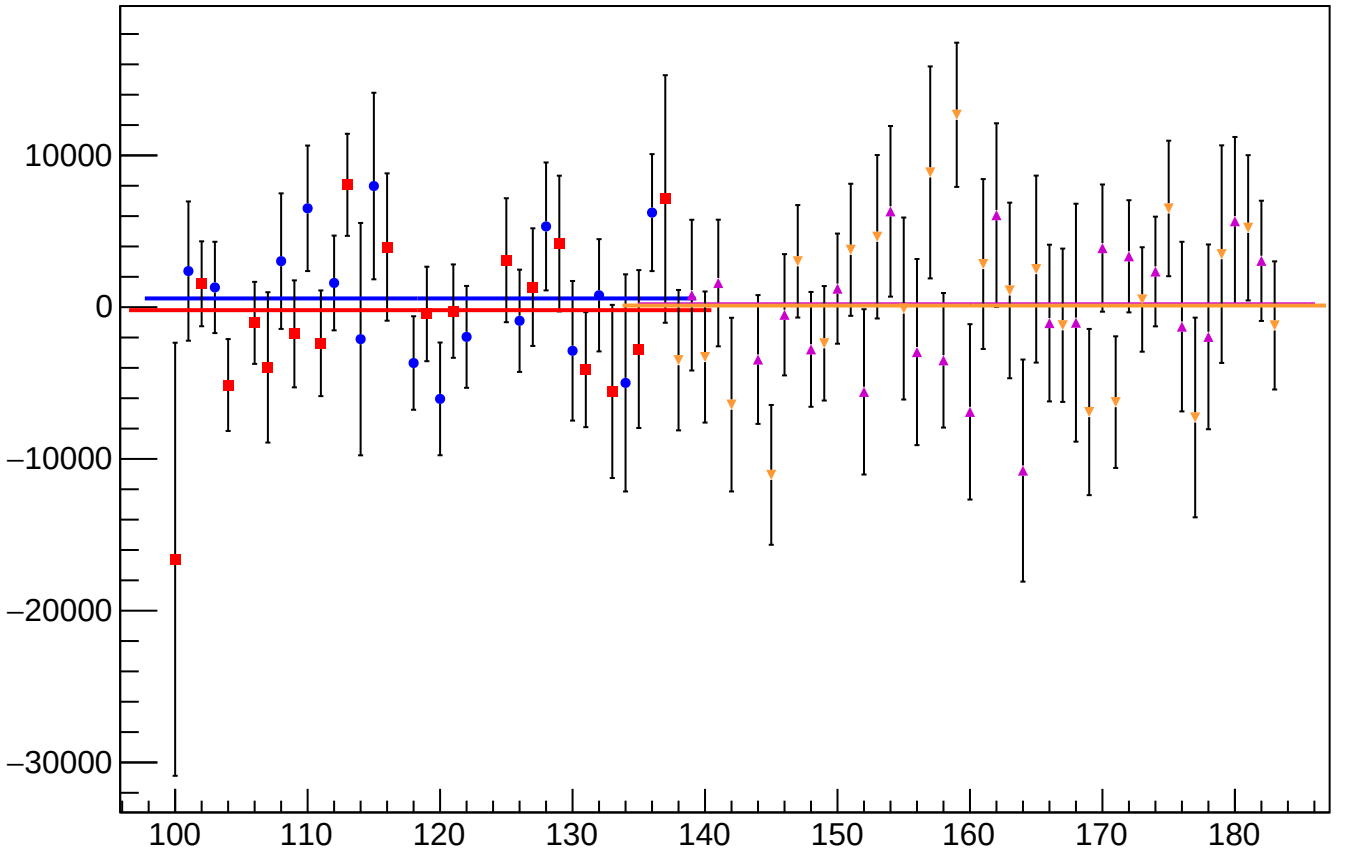
Left: 1219.447+/-0.144 χ^2/NDF: 521852.1/44

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1068.083+/-0.153 χ^2/NDF:1891372.3/37

Out: 1068.096+/-0.153 χ^2/NDF:1900827.4/40

All: 1068.090+/-0.108 χ^2/NDF: 3792199.6/78



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 107.822+/-1004.140 χ^2/NDF:28.5/22

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: 188.323+/-1001.818 χ^2/NDF:13.2/21

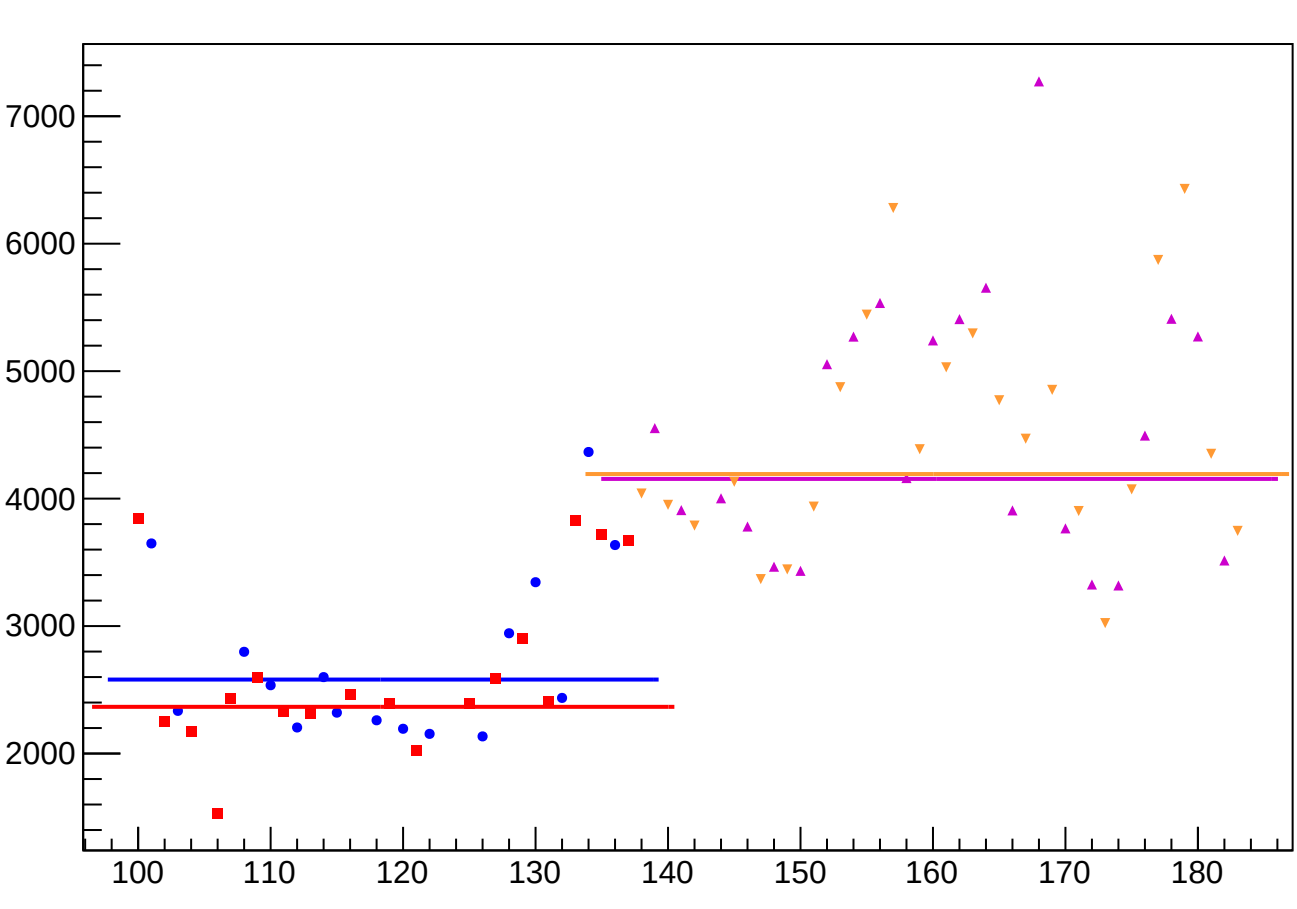
Left: 148.166+/-709.212 χ^2/NDF: 41.7/44

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 385.092+/-702.329 χ^2/NDF:28.0/37

Out: -62.730+/-667.761 χ^2/NDF:45.7/40

All: 149.890+/-483.937 χ^2/NDF: 73.9/78



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4192.827+/-0.710 χ^2/NDF:1265537.0/22

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: 4173.622+/-0.501 χ^2/NDF: 2699061.4/44

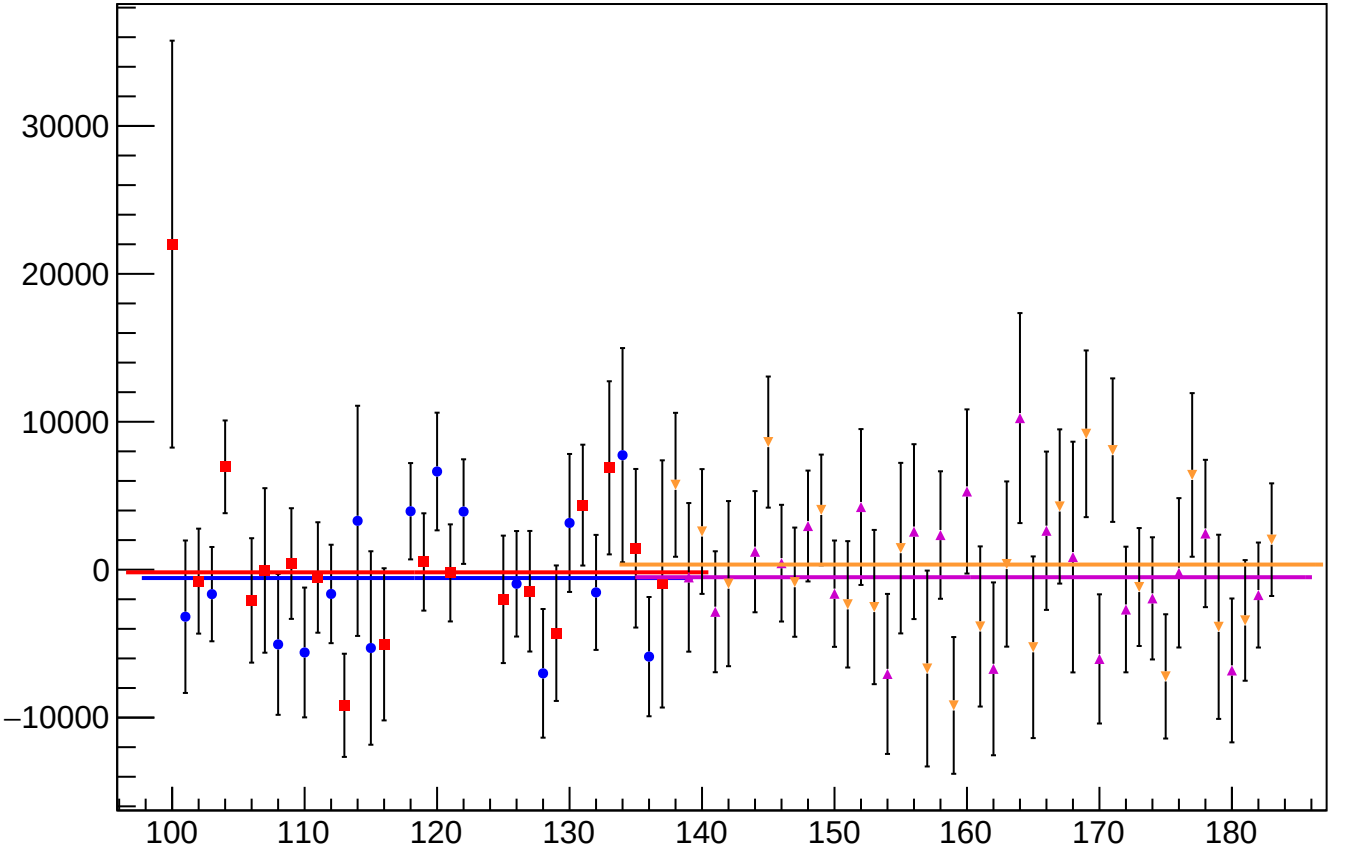
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3354.021+/-0.497 χ^2/NDF:4560233.3/37

Out: 3174.113+/-0.472 χ^2/NDF:5567817.8/40

All: 3259.531+/-0.342 χ^2/NDF: 10196977.7/7

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 346.786+/-986.252 χ^2/NDF:25.3/22

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: -80.557+/-697.882 χ^2/NDF: 39.2/44

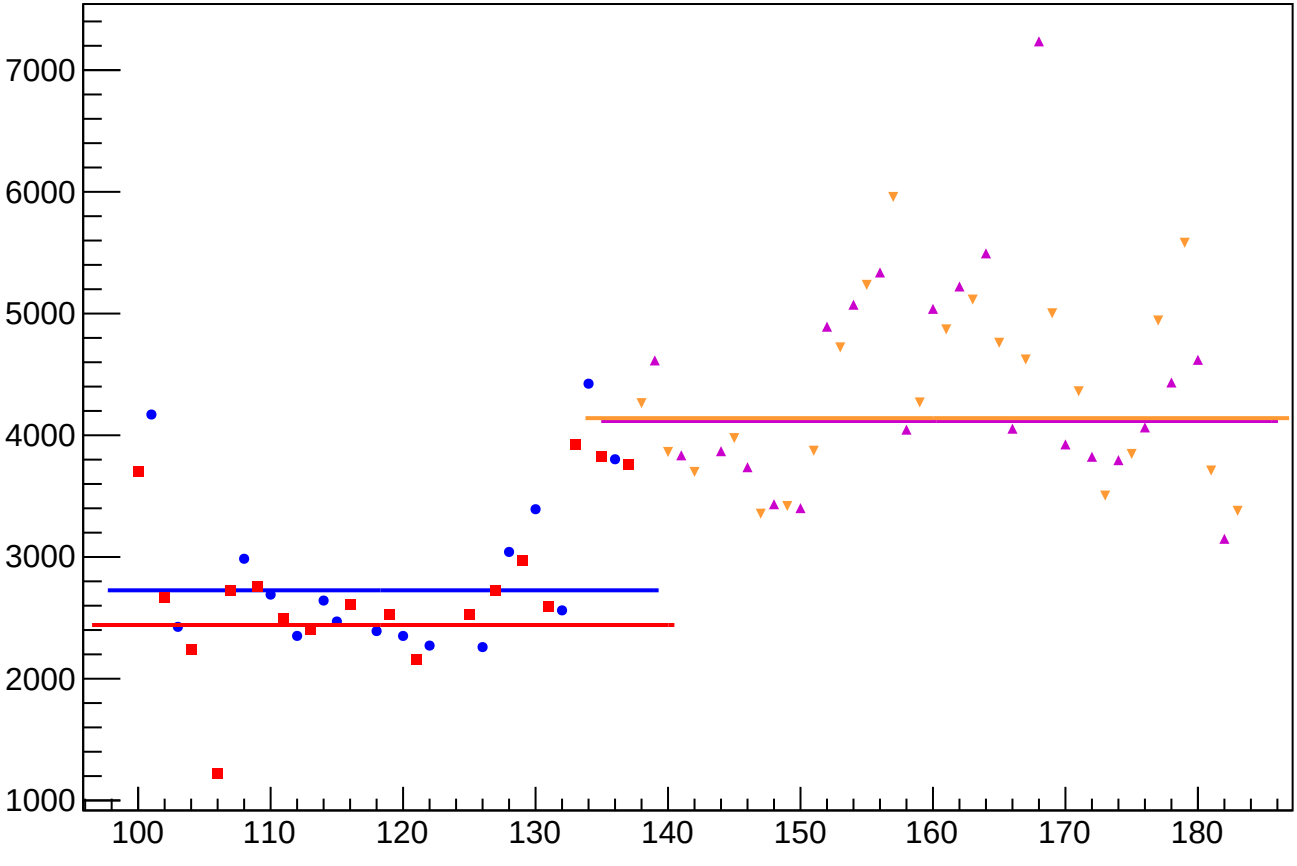
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -536.129+/-716.272 χ^2/NDF:29.7/37

Out: 84.669+/-698.141 χ^2/NDF:45.0/40

All: -217.774+/-499.947 χ^2/NDF: 75.1/78

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4140.711+/-0.697 χ^2/NDF:944735.3/22

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4117.324+/-0.698 χ^2/NDF:1118369.3/21

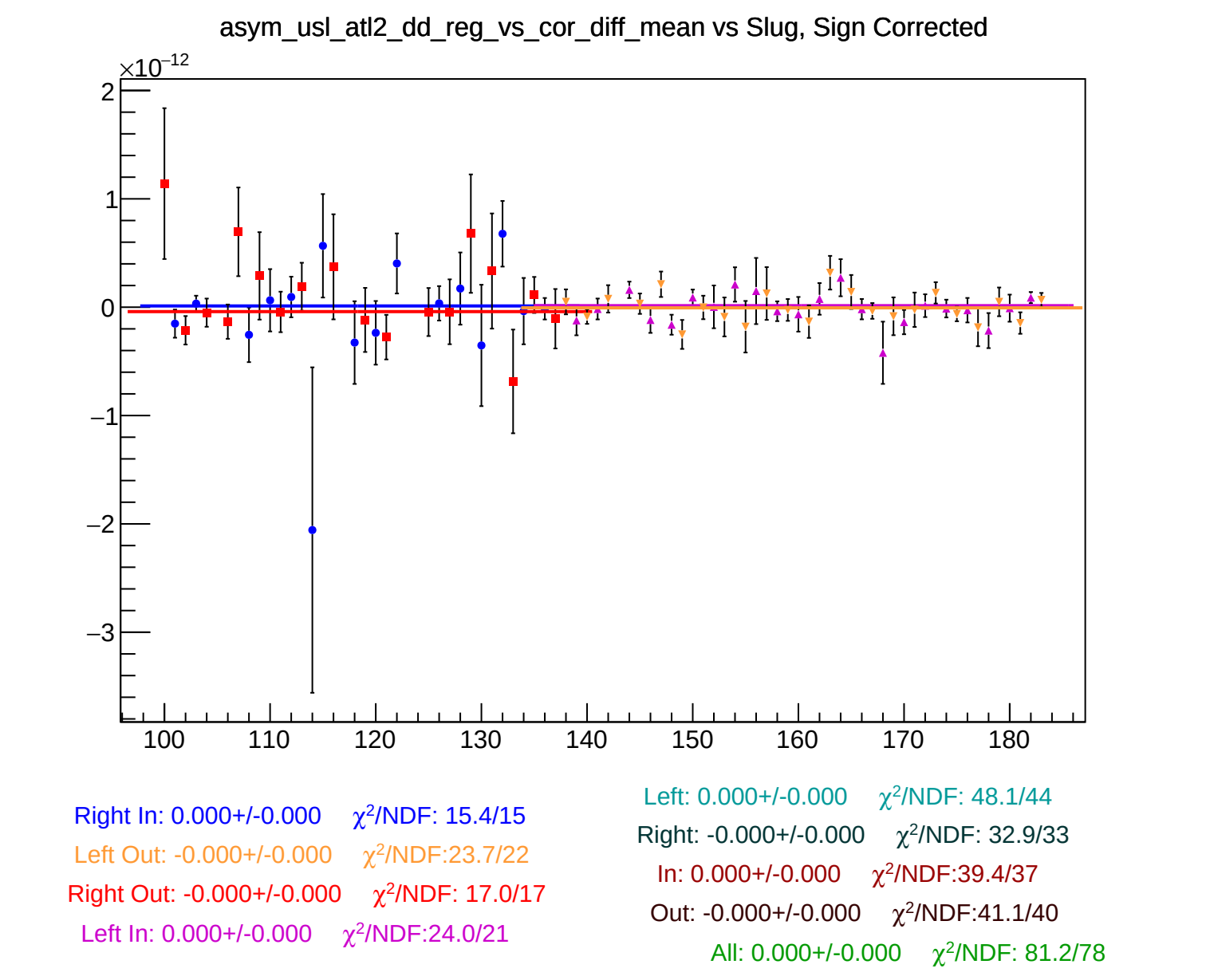
Left: 4129.034+/-0.493 χ^2/NDF: 2063666.1/44

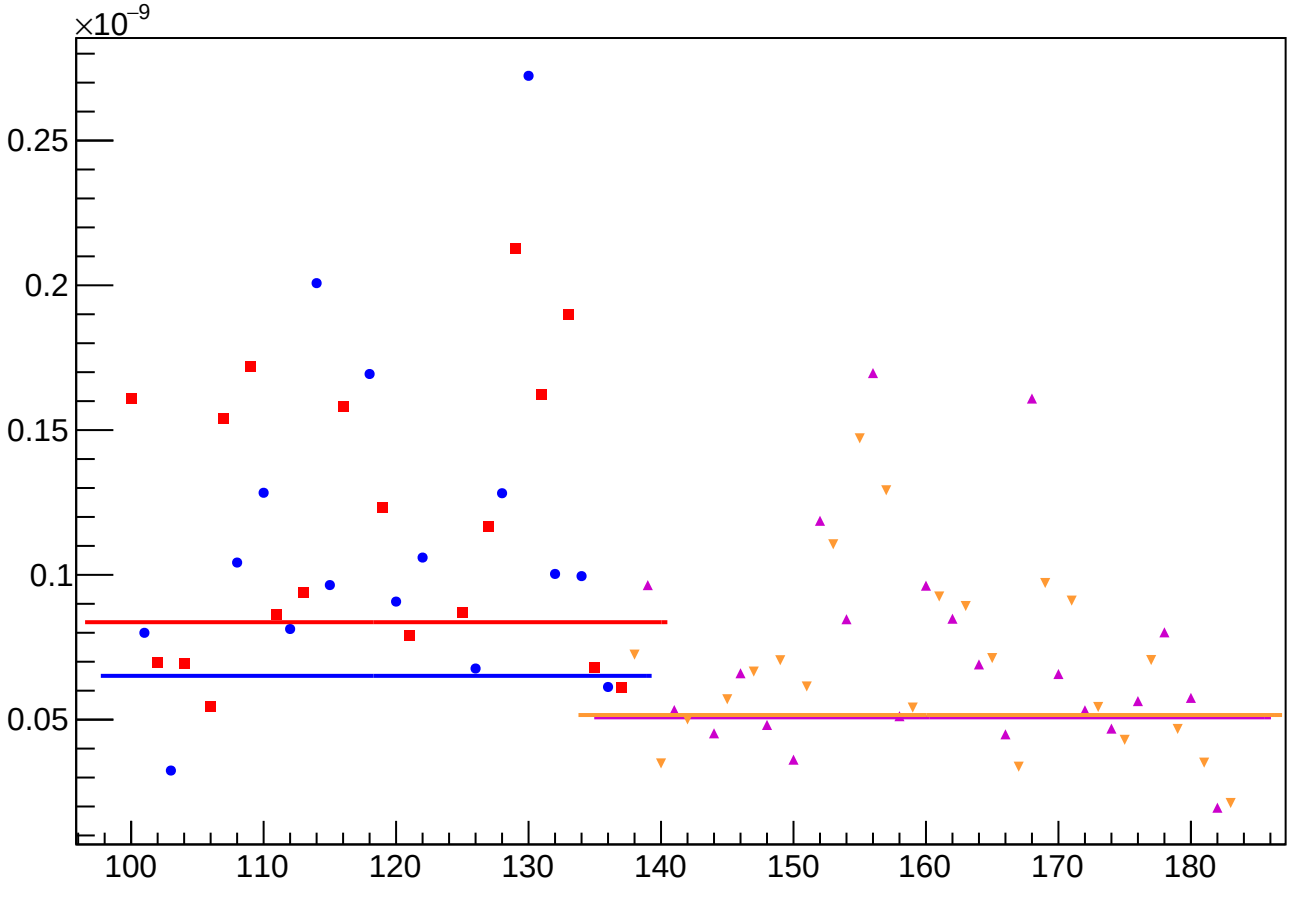
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3457.871+/-0.506 χ^2/NDF:3622307.2/37

Out: 3253.135+/-0.482 χ^2/NDF:4937152.8/40

All: 3350.436+/-0.349 χ^2/NDF: 8645206.3/78


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:23.7/22
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:24.0/21
Left: 0.000+/-0.000 χ²/NDF: 48.1/44
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:39.4/37
Out: -0.000+/-0.000 χ²/NDF:41.1/40
All: 0.000+/-0.000 χ²/NDF: 81.2/78



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2269132.8/22

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: 4688577.5/44

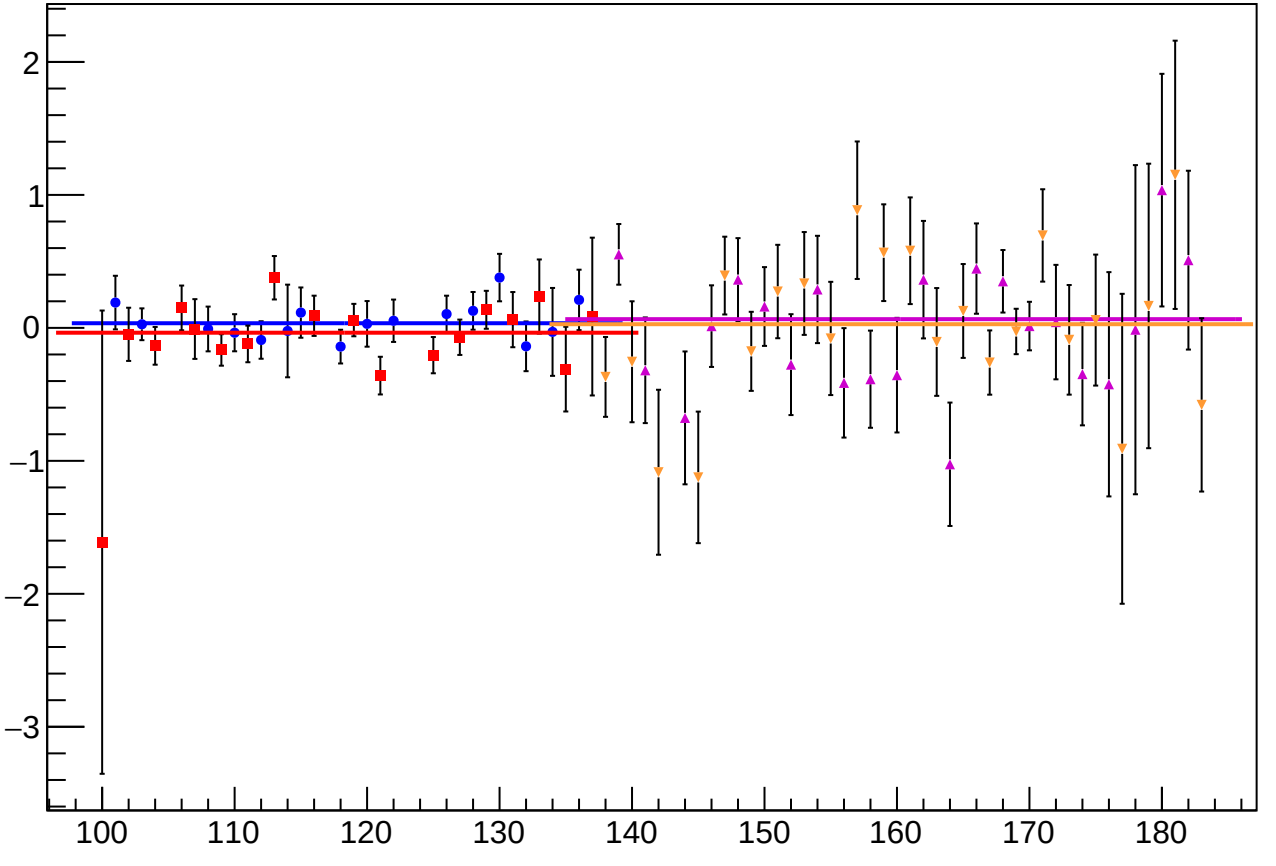
Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:3809487.8/37

Out: 0.000+/-0.000 χ^2/NDF:3575239.6/40

All: 0.000+/-0.000 χ^2/NDF: 7402424.7/78

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.028+/-0.076 χ^2/NDF:29.1/22

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.066+/-0.075 χ^2/NDF:25.7/21

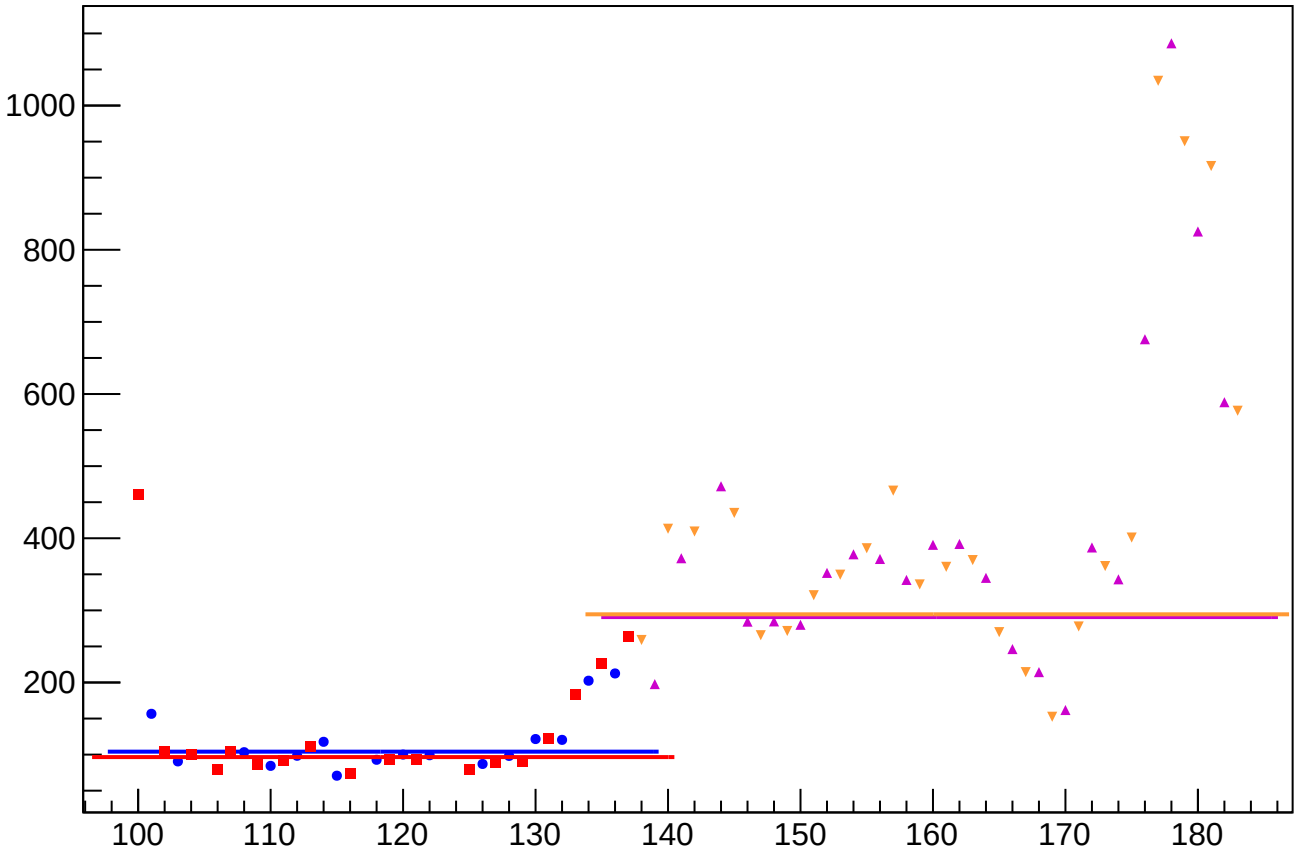
Left: 0.047+/-0.053 χ^2/NDF: 54.9/44

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.036 χ^2/NDF:35.5/37

Out: -0.023+/-0.035 χ^2/NDF:51.7/40

All: 0.008+/-0.025 χ^2/NDF: 88.9/78



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 294.544+/-0.054 χ^2/NDF:5396458.7/22

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: 292.597+/-0.038 χ^2/NDF: 10348581.1/44

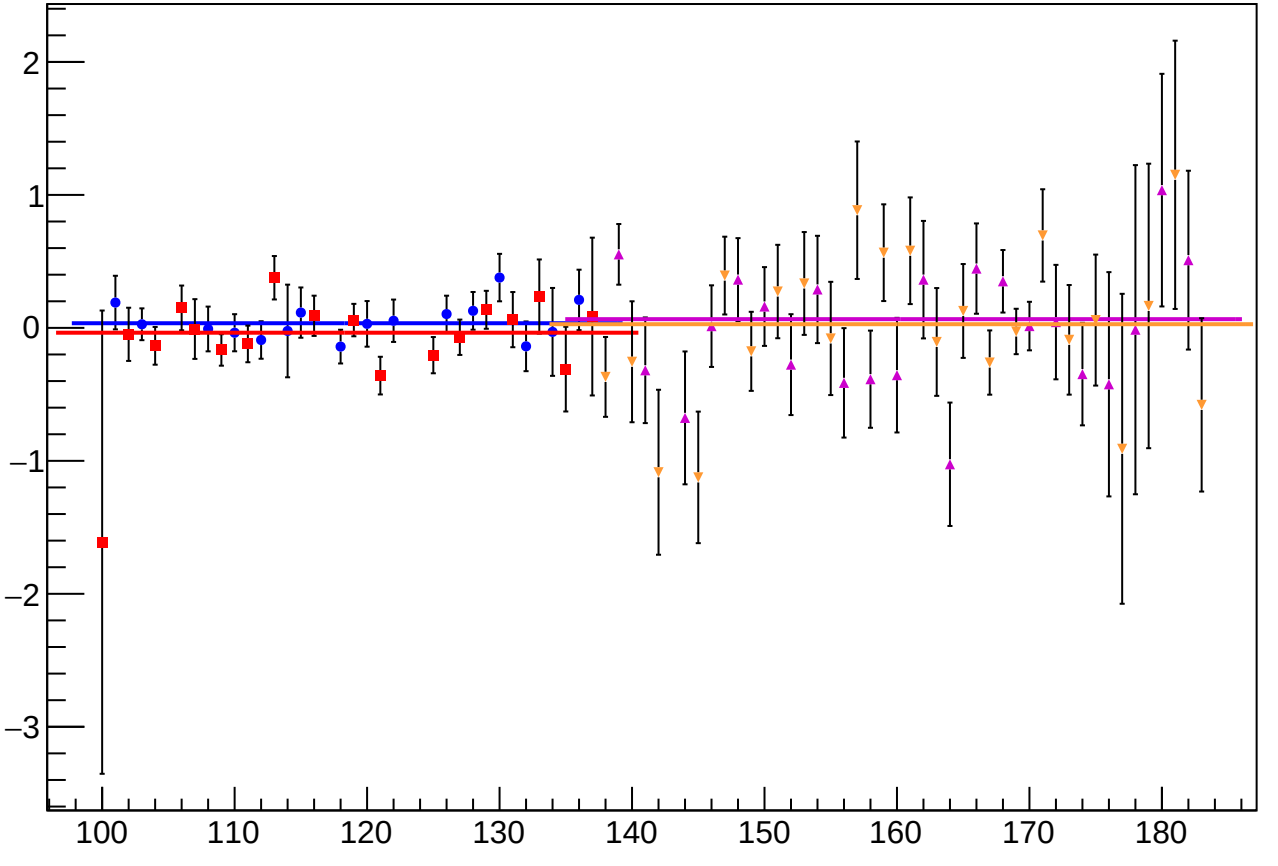
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 147.119+/-0.025 χ^2/NDF:15476710.8/37

Out: 137.494+/-0.024 χ^2/NDF:17060757.7/40

All: 142.124+/-0.018 χ^2/NDF: 32611702.0/78

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.028+/-0.076 χ^2/NDF:29.1/22

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: 0.047+/-0.053 χ^2/NDF: 54.9/44

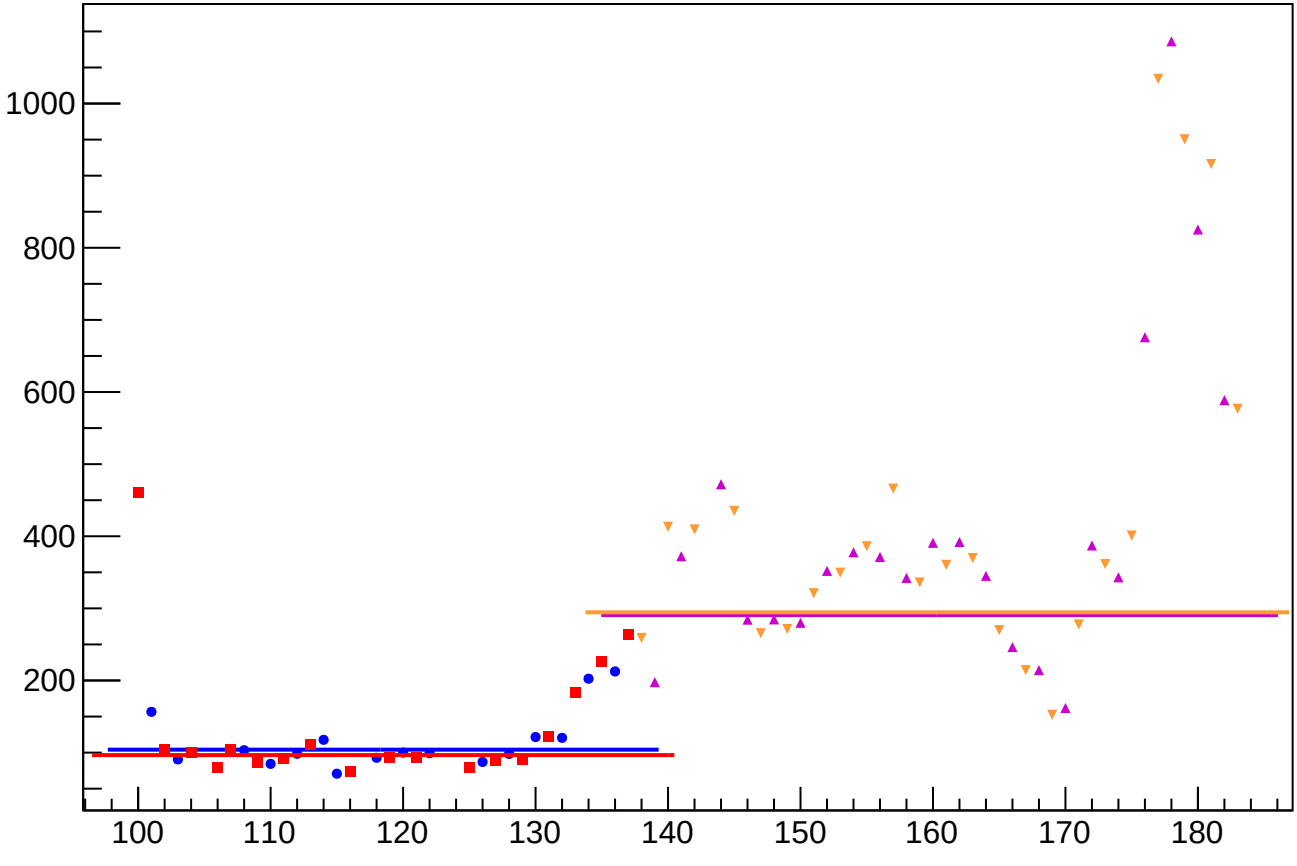
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.036 χ^2/NDF:35.5/37

Out: -0.023+/-0.035 χ^2/NDF:51.7/40

All: 0.008+/-0.025 χ^2/NDF: 88.9/78

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: 294.544+/-0.054 χ^2/NDF:5396458.7/22

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 290.713+/-0.053 χ^2/NDF:4949553.2/21

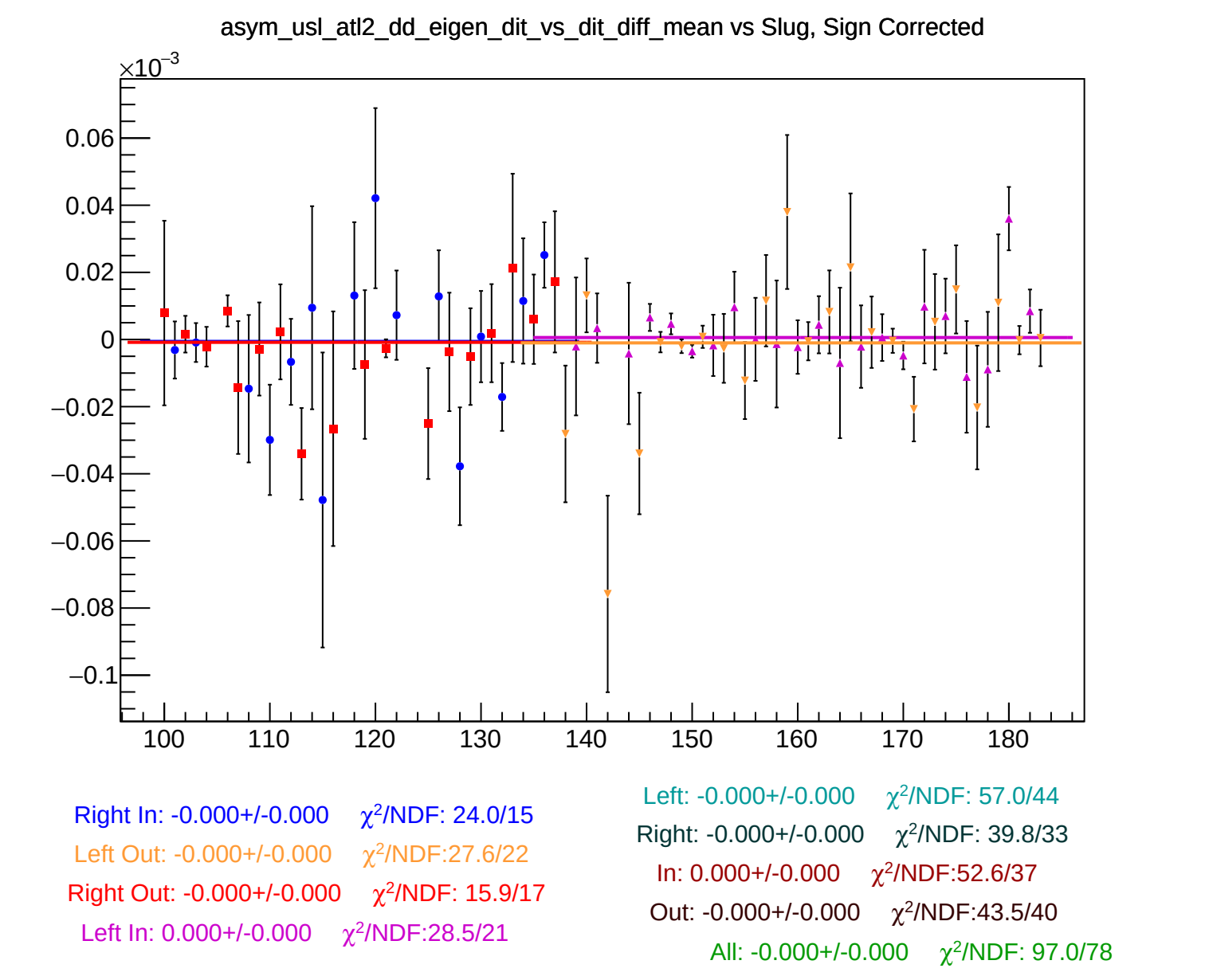
Left: 292.597+/-0.038 χ^2/NDF: 10348581.1/44

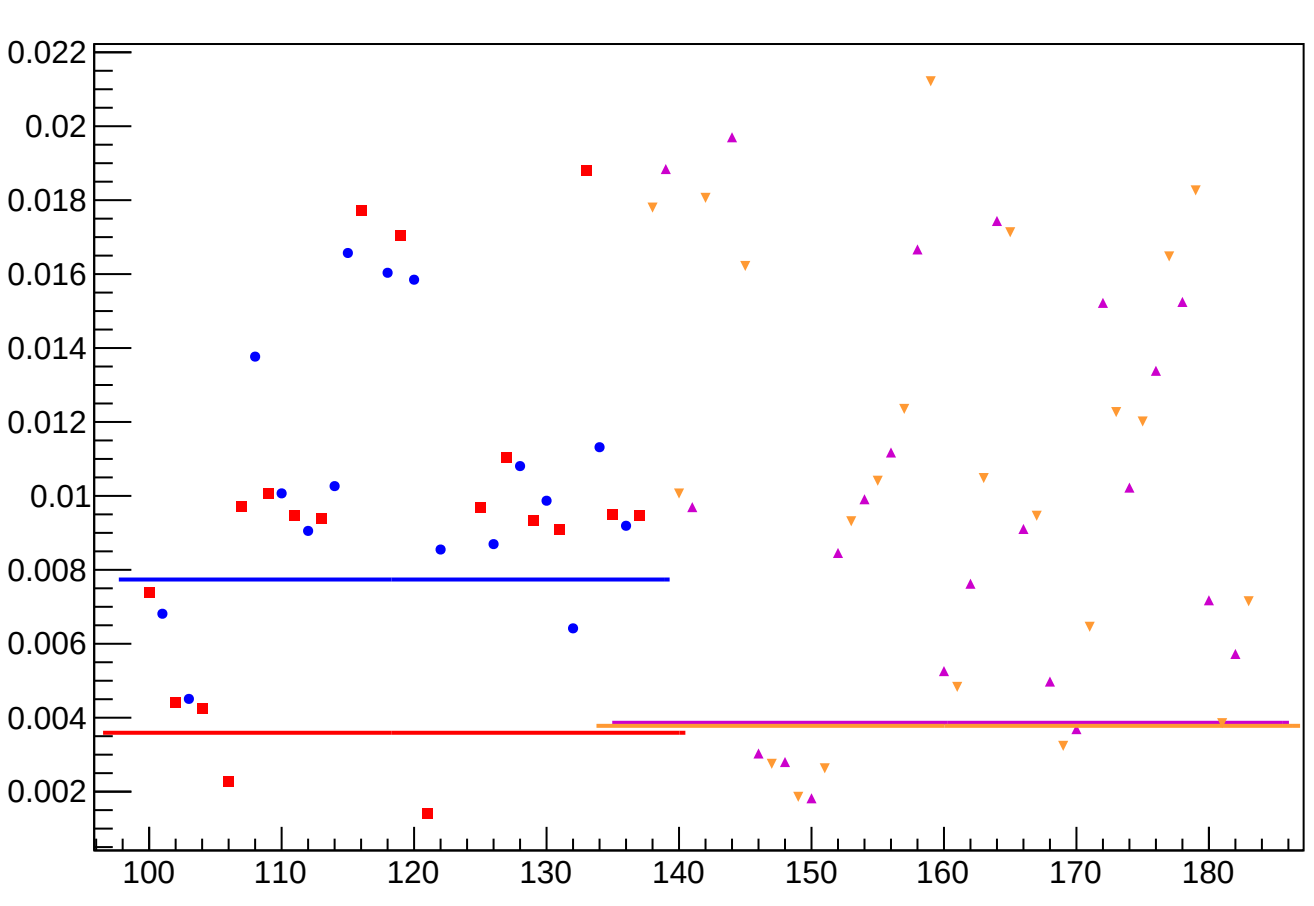
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 147.119+/-0.025 χ^2/NDF:15476710.8/37

Out: 137.494+/-0.024 χ^2/NDF:17060757.7/40

All: 142.124+/-0.018 χ^2/NDF: 32611702.0/78


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:27.6/22
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/17
Left In: 0.000+/-0.000 χ²/NDF:28.5/21
Left: -0.000+/-0.000 χ²/NDF: 57.0/44
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: 0.000+/-0.000 χ²/NDF:52.6/37
Out: -0.000+/-0.000 χ²/NDF:43.5/40
All: -0.000+/-0.000 χ²/NDF: 97.0/78



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:14402349.0/22

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:13293434.3/21

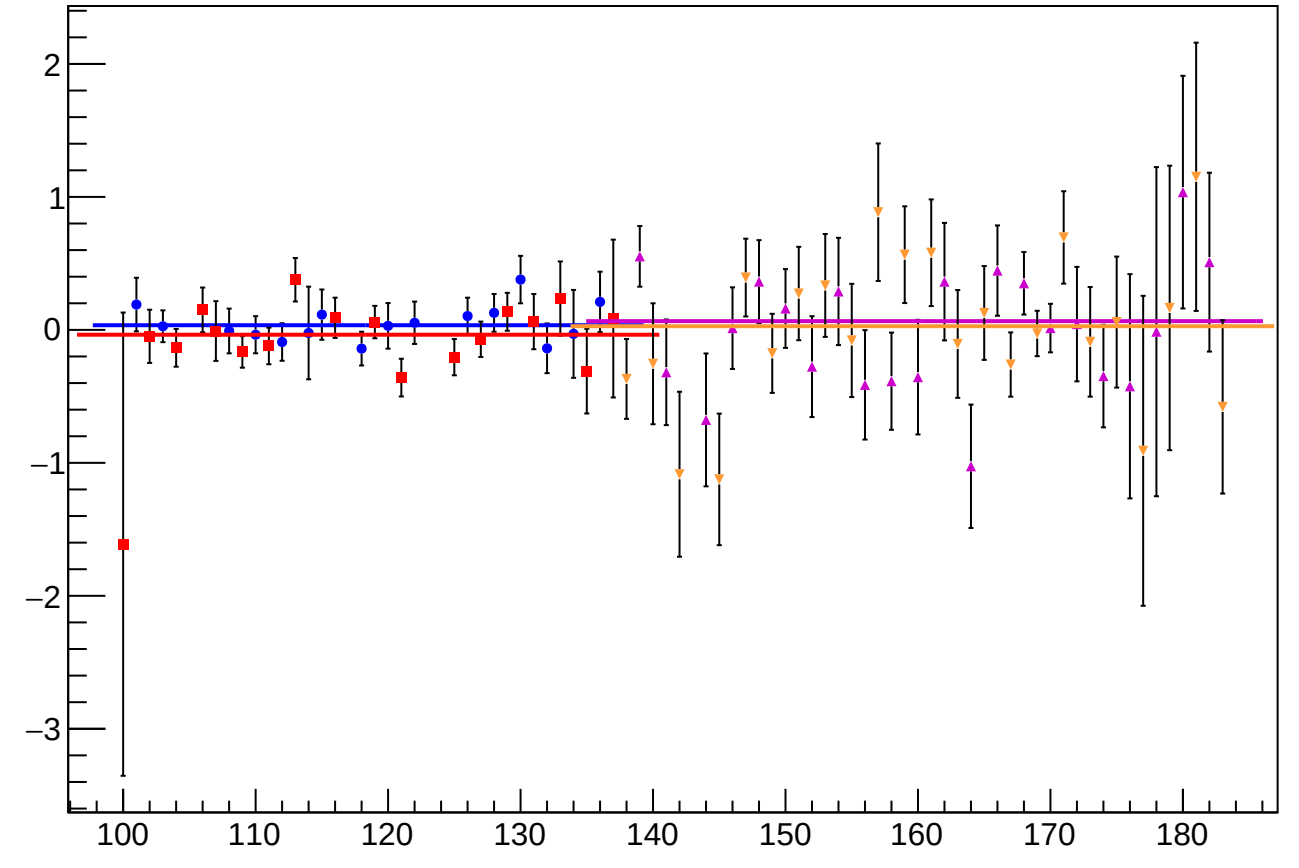
Left: 0.004+/-0.000 χ^2/NDF: 27700382.5/44

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:20781847.0/40

All: 0.004+/-0.000 χ^2/NDF: 38838255.5/78



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.028+/-0.076 χ^2/NDF:29.1/22

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: 0.047+/-0.053 χ^2/NDF: 54.9/44

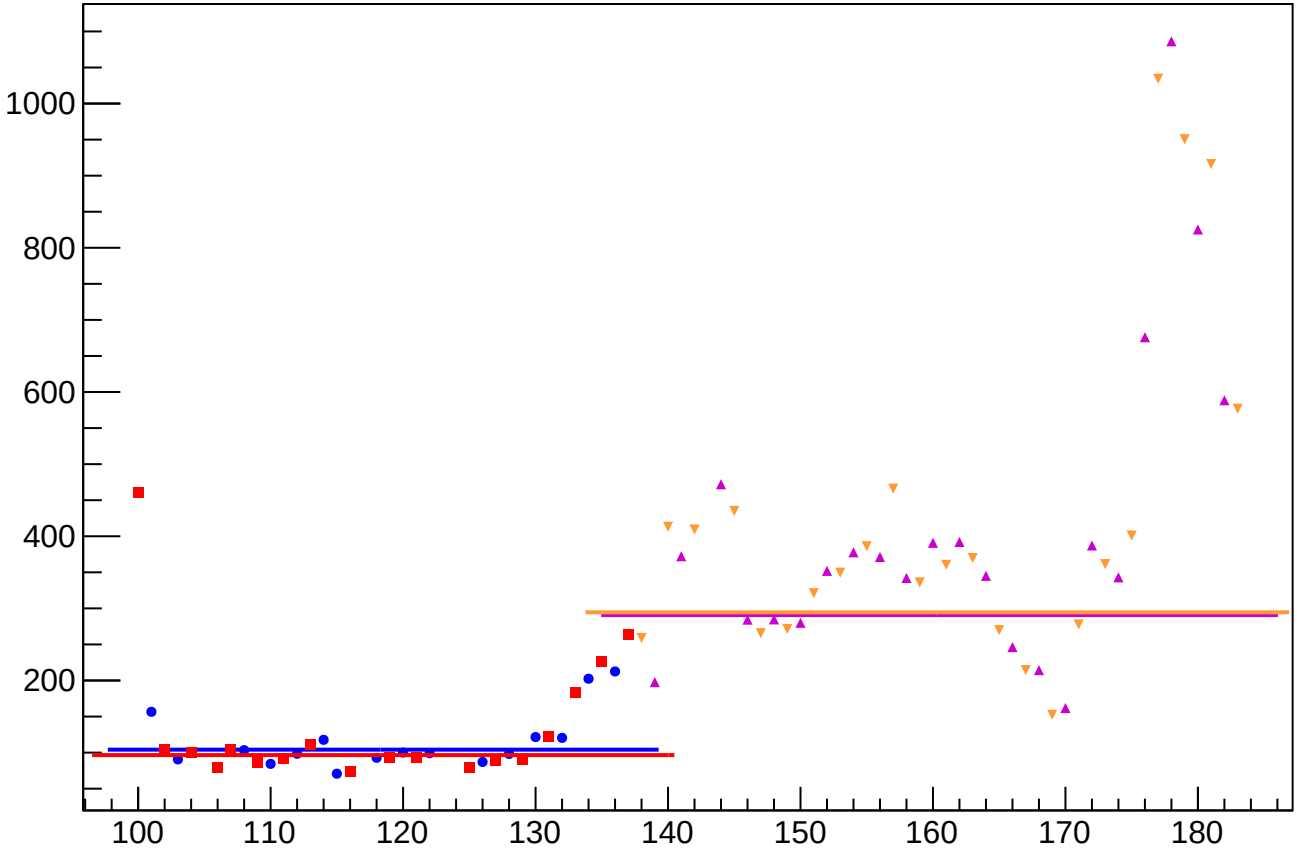
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.036 χ^2/NDF:35.5/37

Out: -0.023+/-0.035 χ^2/NDF:51.7/40

All: 0.008+/-0.025 χ^2/NDF: 88.9/78

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: 294.546+/-0.054 χ^2/NDF:5396517.1/22

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: 292.600+/-0.038 χ^2/NDF: 10348594.3/44

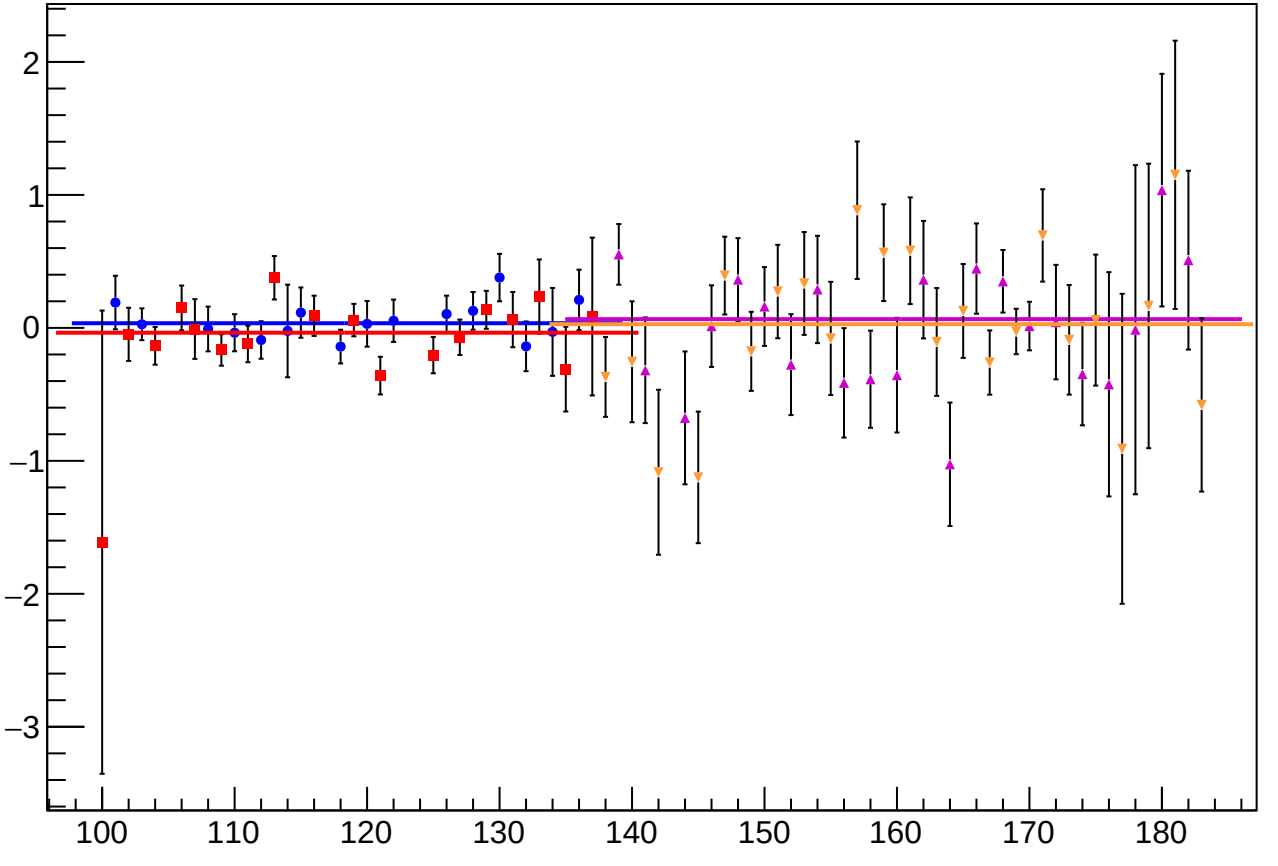
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 147.120+/-0.025 χ^2/NDF:15476686.1/37

Out: 137.496+/-0.024 χ^2/NDF:17060641.9/40

All: 142.125+/-0.018 χ^2/NDF: 32611553.6/78

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: 0.028+/-0.076 χ^2/NDF:29.1/22

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: 0.047+/-0.053 χ^2/NDF: 54.9/44

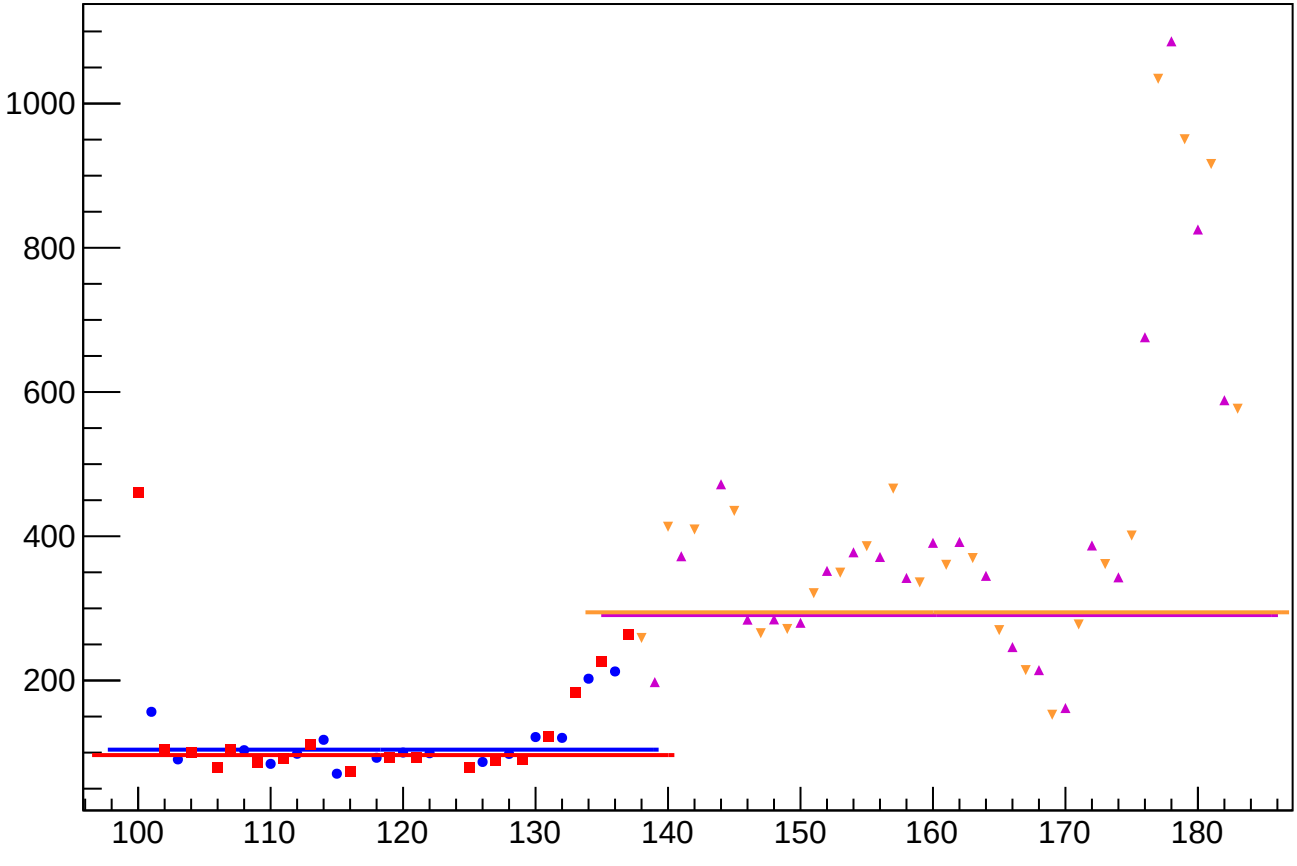
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.036 χ^2/NDF:35.5/37

Out: -0.023+/-0.035 χ^2/NDF:51.7/40

All: 0.008+/-0.025 χ^2/NDF: 88.9/78

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 294.546+/-0.054 χ^2/NDF:5396517.1/22

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 290.716+/-0.053 χ^2/NDF:4949510.2/21

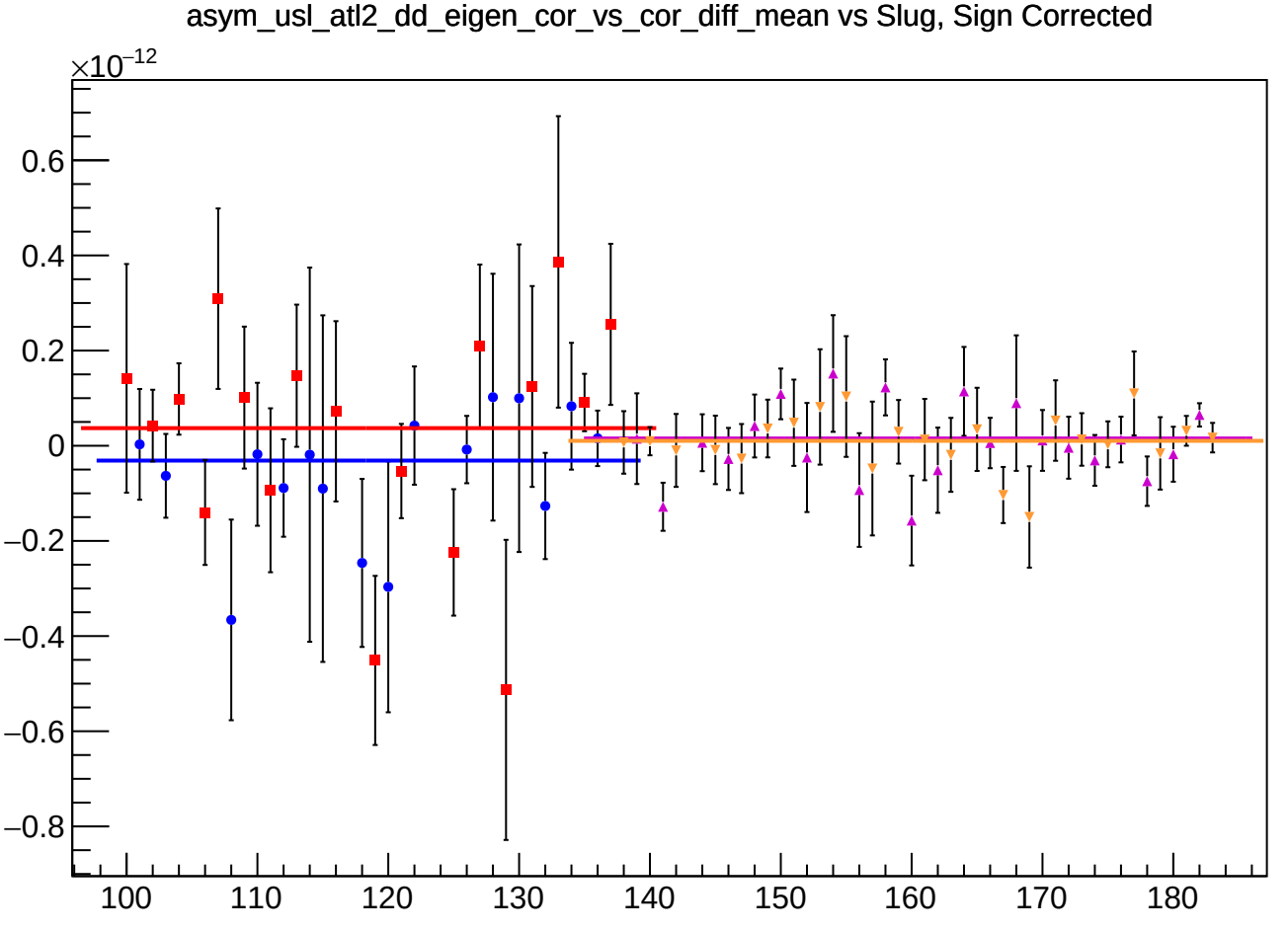
Left: 292.600+/-0.038 χ^2/NDF: 10348594.3/44

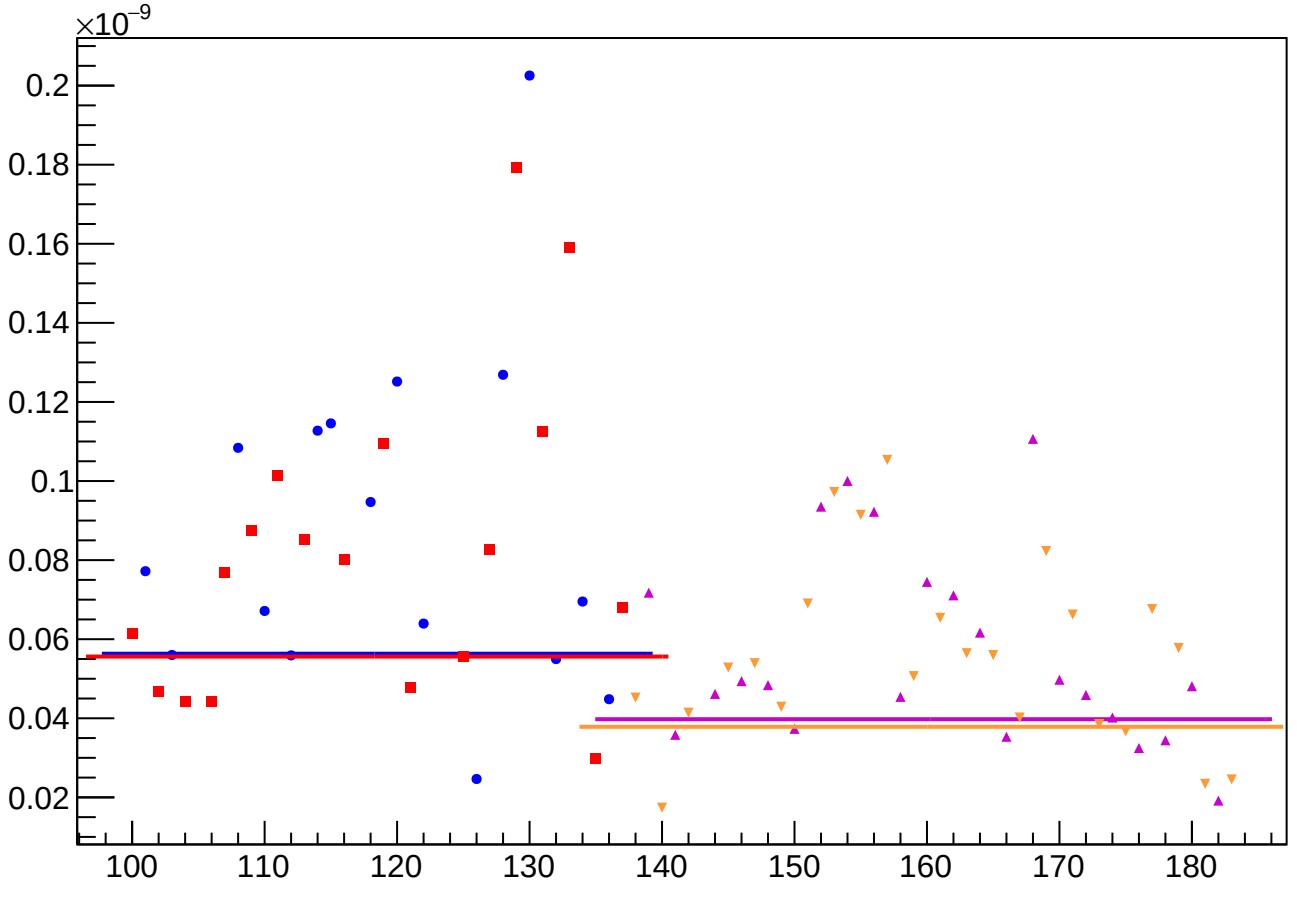
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 147.120+/-0.025 χ^2/NDF:15476686.1/37

Out: 137.496+/-0.024 χ^2/NDF:17060641.9/40

All: 142.125+/-0.018 χ^2/NDF: 32611553.6/78


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:10.3/22
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: 41.2/44
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:38.1/40
All: 0.000+/-0.000 χ²/NDF: 79.7/78



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4935875.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:4389799.3/21

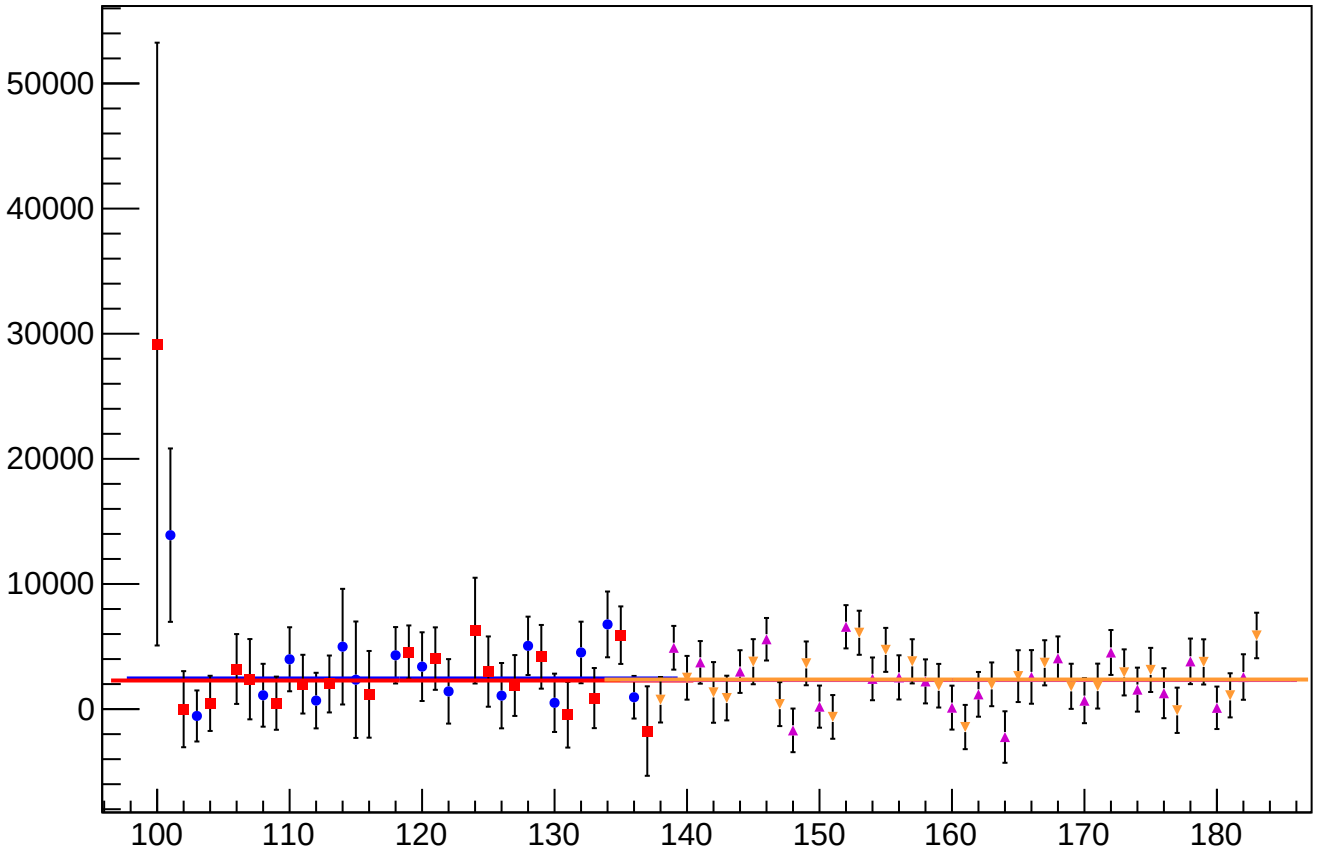
Left: 0.000+/-0.000 χ^2/NDF: 9349969.3/44

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:7350838.0/40

All: 0.000+/-0.000 χ^2/NDF: 13880281.7/78



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2363.975+/-368.772 χ^2/NDF:26.5/23

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: 2344.595+/-264.602 χ^2/NDF: 59.3/45

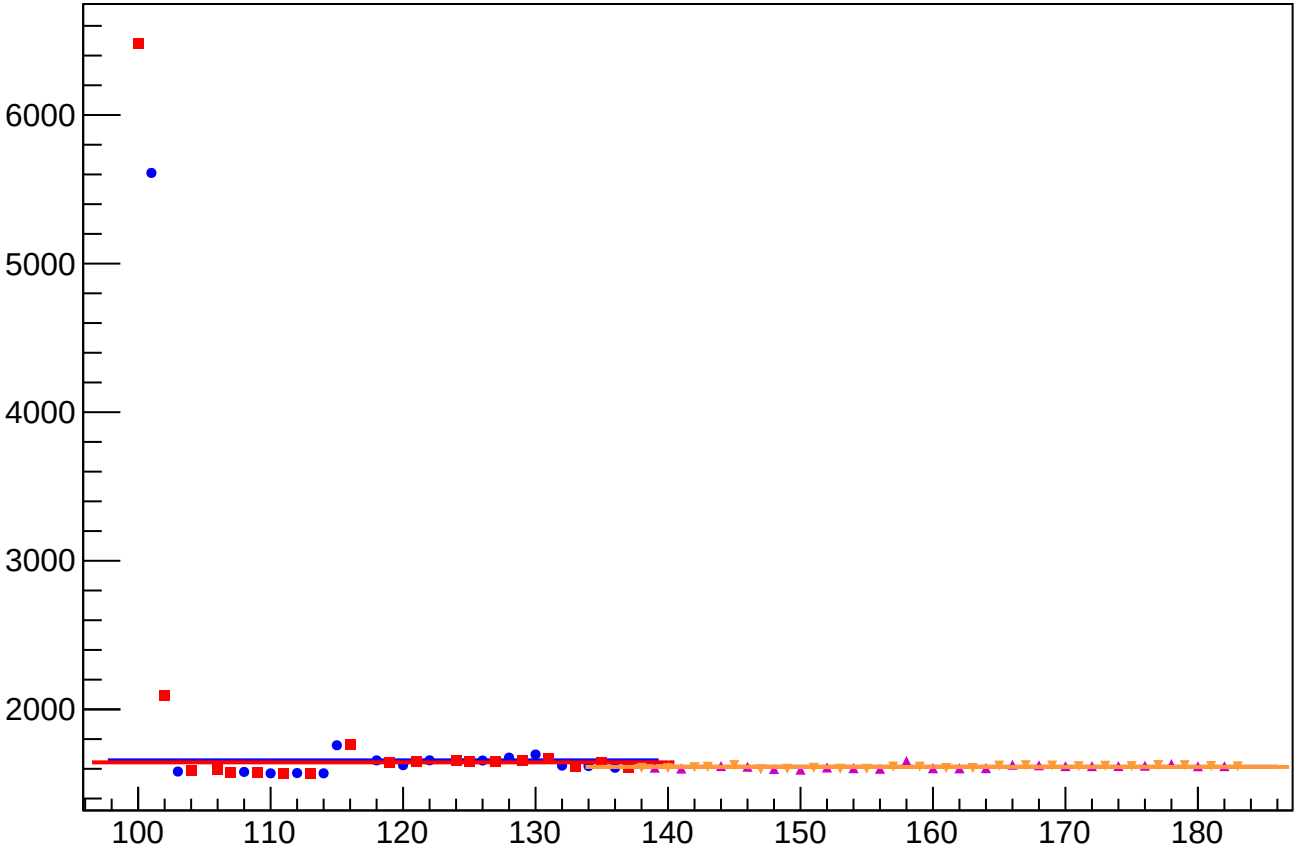
Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2357.589+/-325.350 χ^2/NDF:46.7/37

Out: 2343.216+/-315.468 χ^2/NDF:38.3/42

All: 2350.181+/-226.482 χ^2/NDF: 85.0/80

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1612.584+/-0.261 χ^2/NDF:1171.9/23

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1613.750+/-0.269 χ^2/NDF:2353.1/21

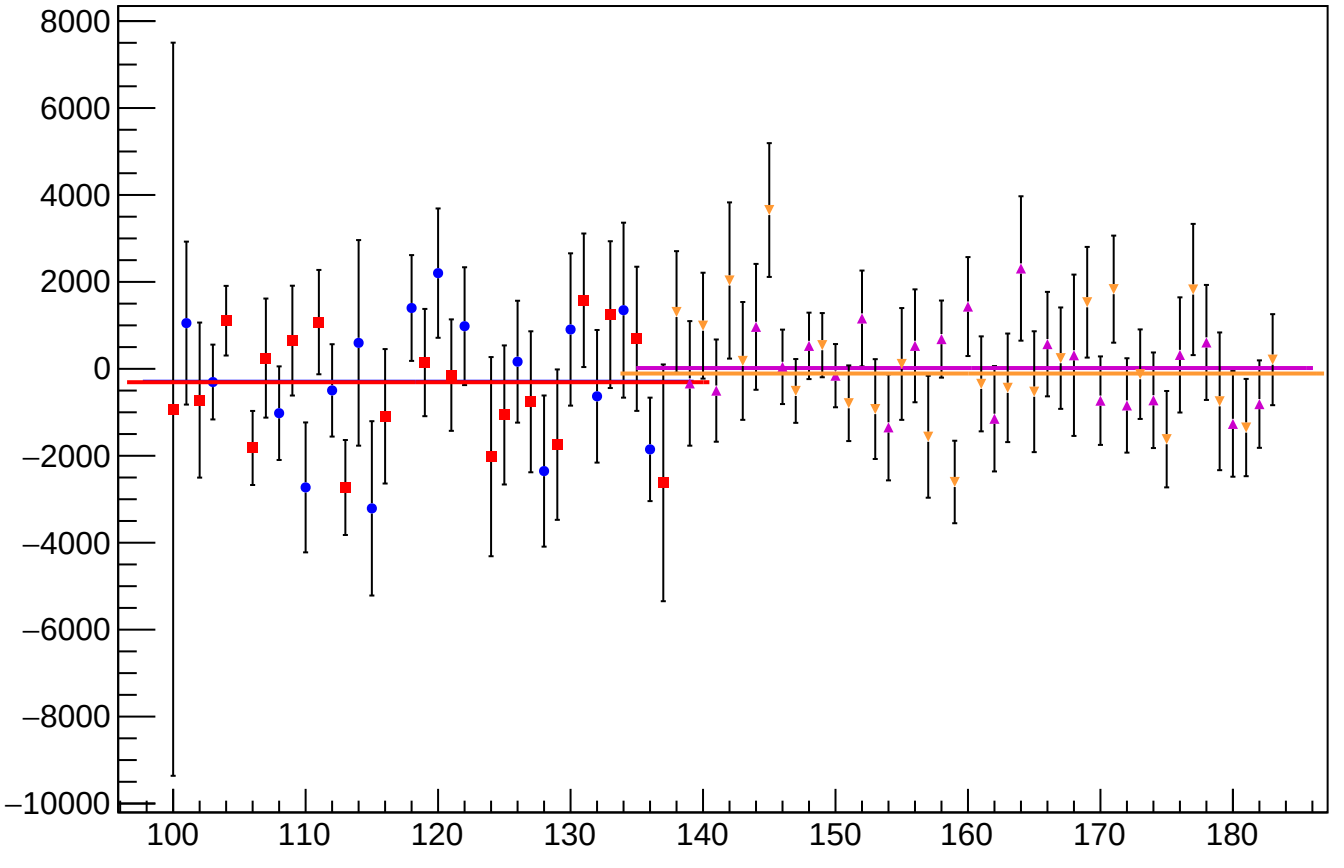
Left: 1613.150+/-0.187 χ^2/NDF: 3534.7/45

Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1625.192+/-0.230 χ^2/NDF:675387.1/37

Out: 1620.857+/-0.223 χ^2/NDF:141922.7/42

All: 1622.957+/-0.160 χ^2/NDF: 817492.8/80



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -107.819+/-230.845 χ^2/NDF:28.9/23

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 18.543+/-234.021 χ^2/NDF:12.5/21

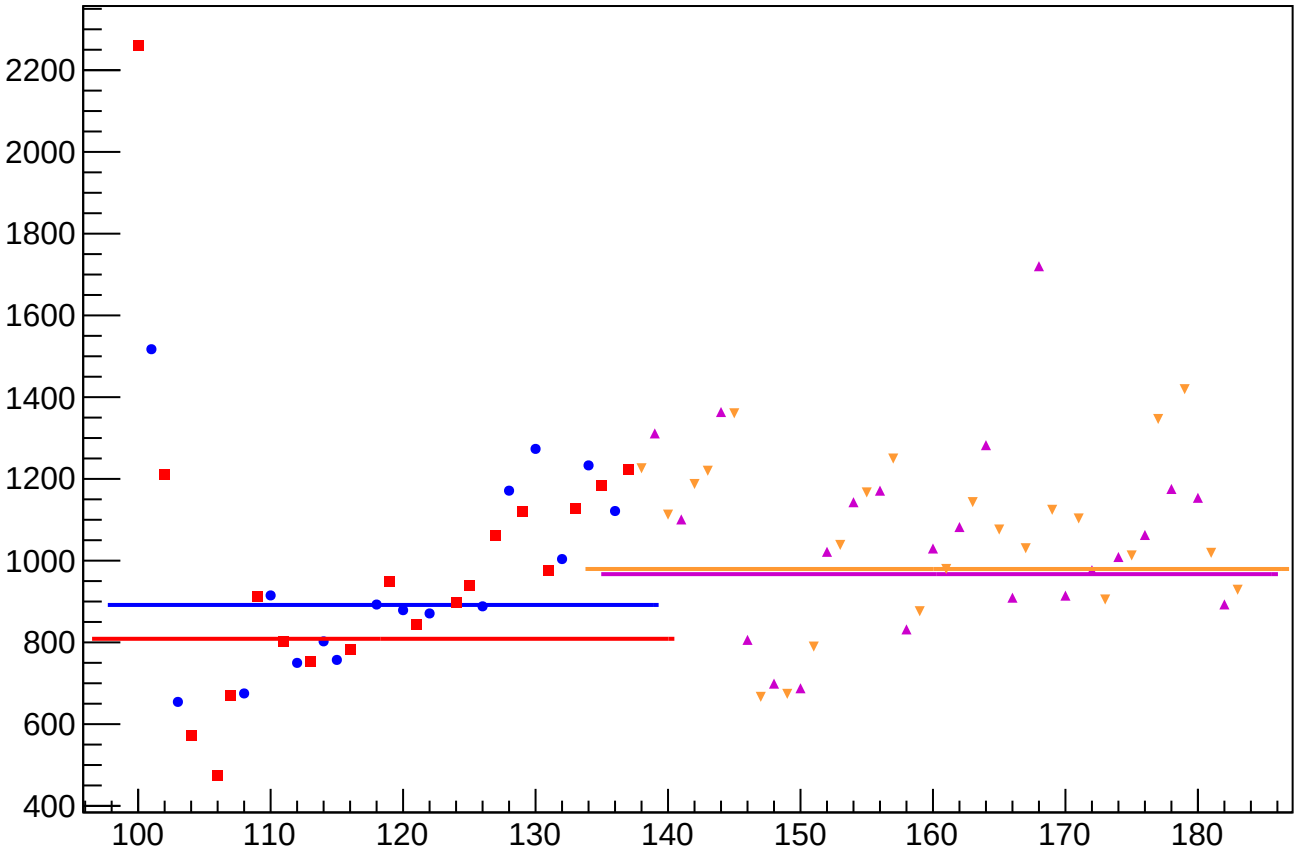
Left: -45.502+/-164.343 χ^2/NDF: 41.6/45

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -81.338+/-193.391 χ^2/NDF:29.0/37

Out: -178.235+/-185.777 χ^2/NDF:47.9/42

All: -131.731+/-133.975 χ^2/NDF: 77.1/80



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 979.642+/-0.163 χ^2/NDF:1630318.0/23

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 966.999+/-0.165 χ^2/NDF:1602143.6/21

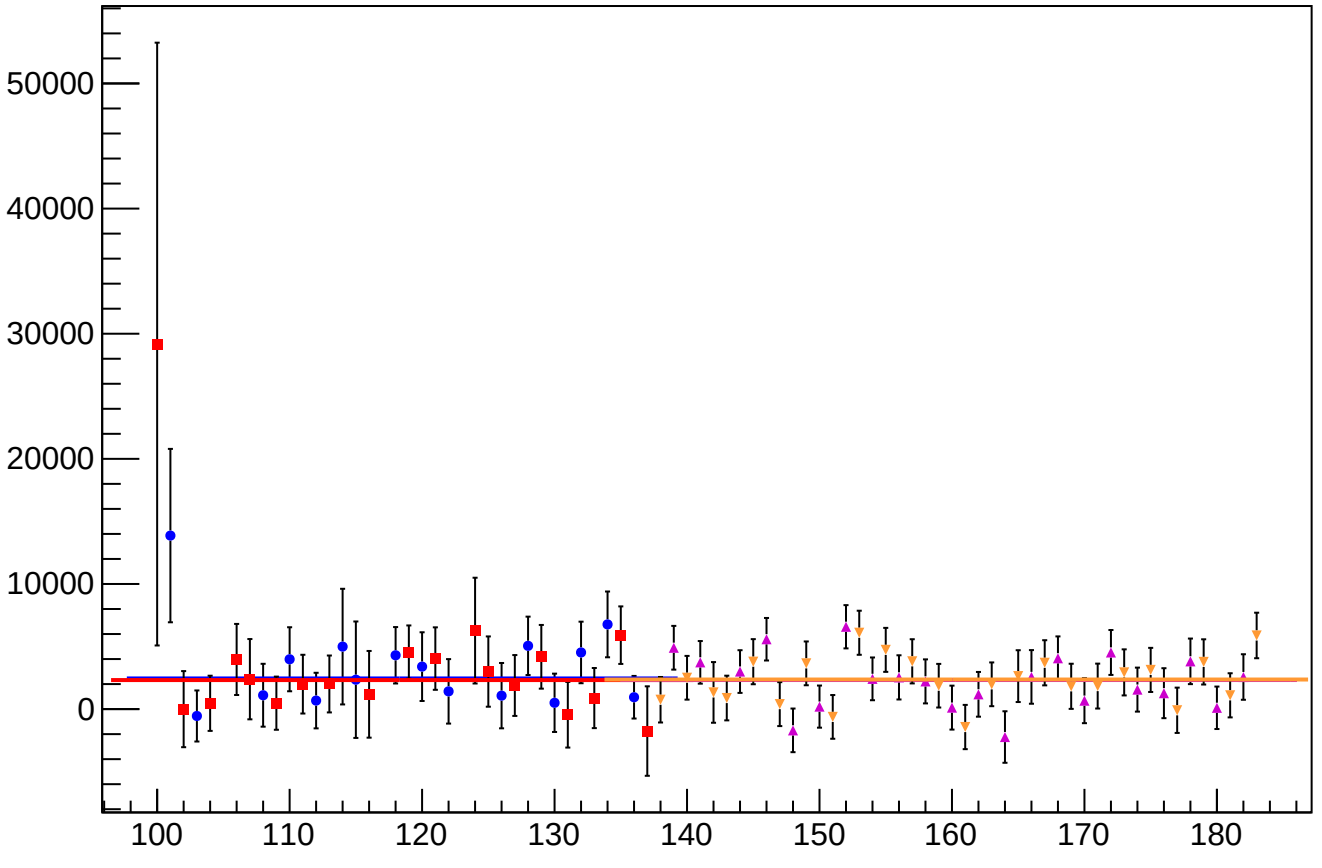
Left: 973.406+/-0.116 χ^2/NDF: 3235420.3/45

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 943.101+/-0.137 χ^2/NDF:2461813.8/37

Out: 919.450+/-0.131 χ^2/NDF:3100077.1/42

All: 930.801+/-0.095 χ^2/NDF: 5577447.0/80



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2363.953+/-368.772 χ^2/NDF:26.5/23

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: 2344.608+/-264.602 χ^2/NDF: 59.3/45

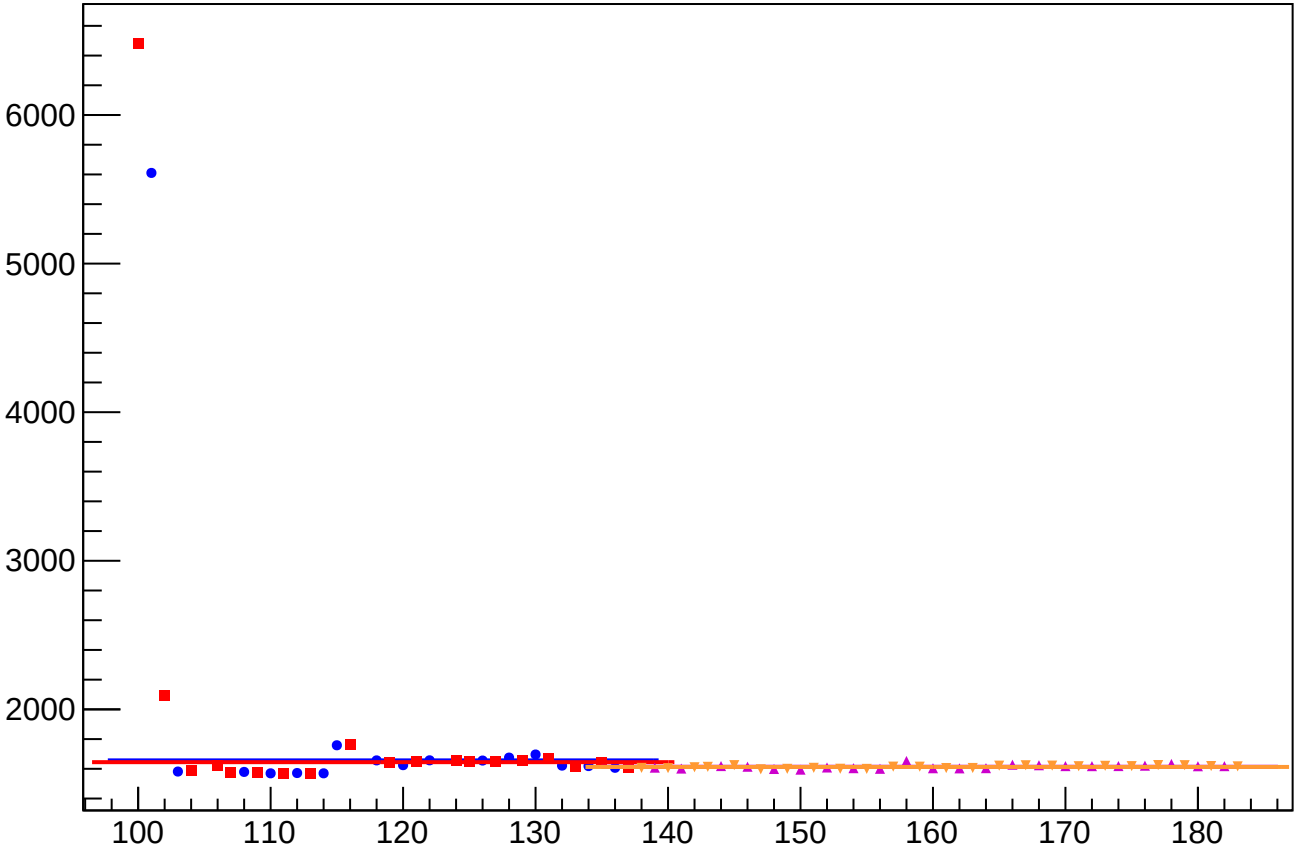
Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2357.477+/-325.350 χ^2/NDF:46.7/37

Out: 2352.333+/-315.537 χ^2/NDF:38.6/42

All: 2354.826+/-226.508 χ^2/NDF: 85.2/80

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.584+/-0.261 χ^2/NDF:1171.9/23

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1613.750+/-0.269 χ^2/NDF:2353.1/21

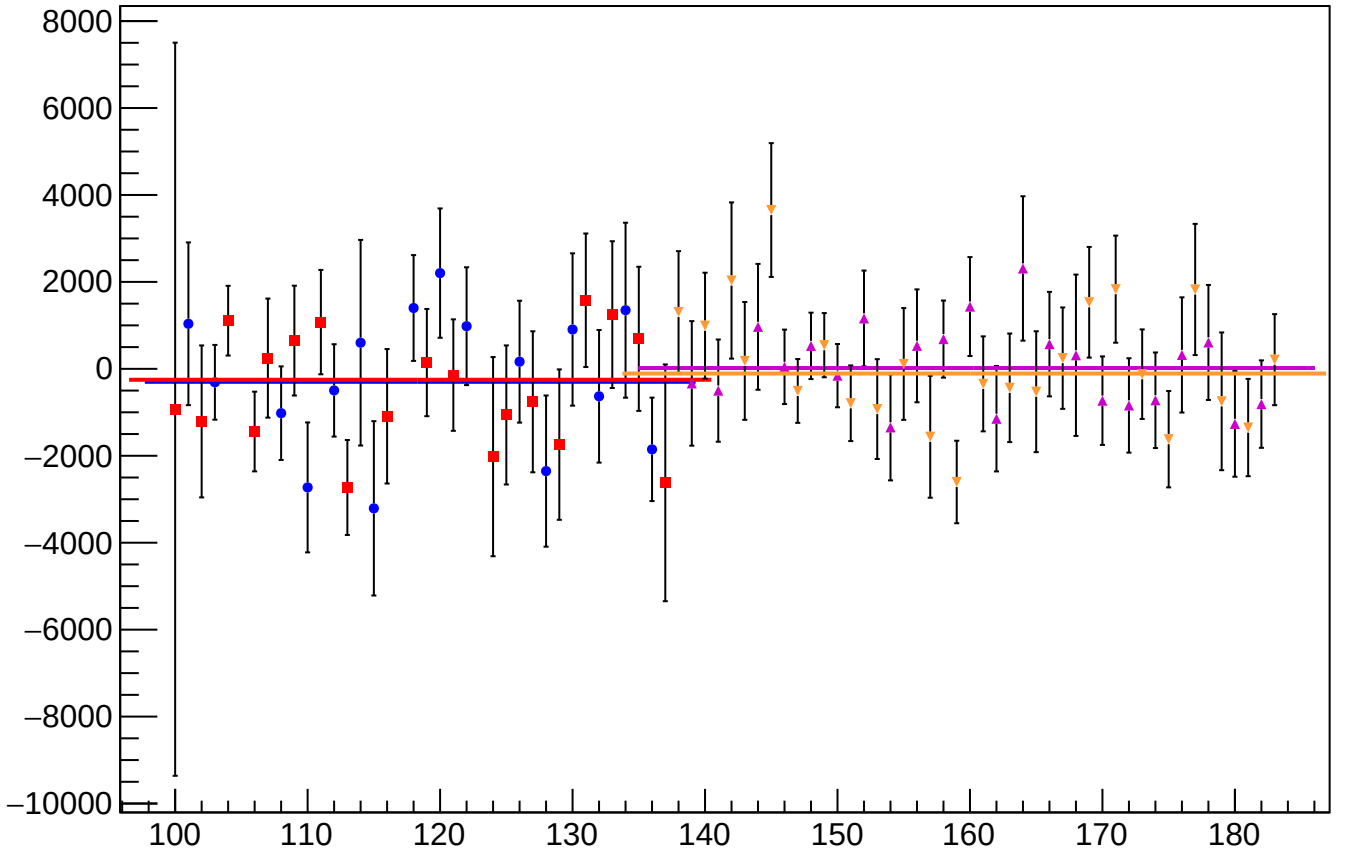
Left: 1613.150+/-0.187 χ^2/NDF: 3534.7/45

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.192+/-0.230 χ^2/NDF:675386.6/37

Out: 1621.196+/-0.223 χ^2/NDF:141726.7/42

All: 1623.133+/-0.160 χ^2/NDF: 817268.8/80



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -107.847+/-230.843 χ^2/NDF:28.9/23

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 18.565+/-234.022 χ^2/NDF:12.5/21

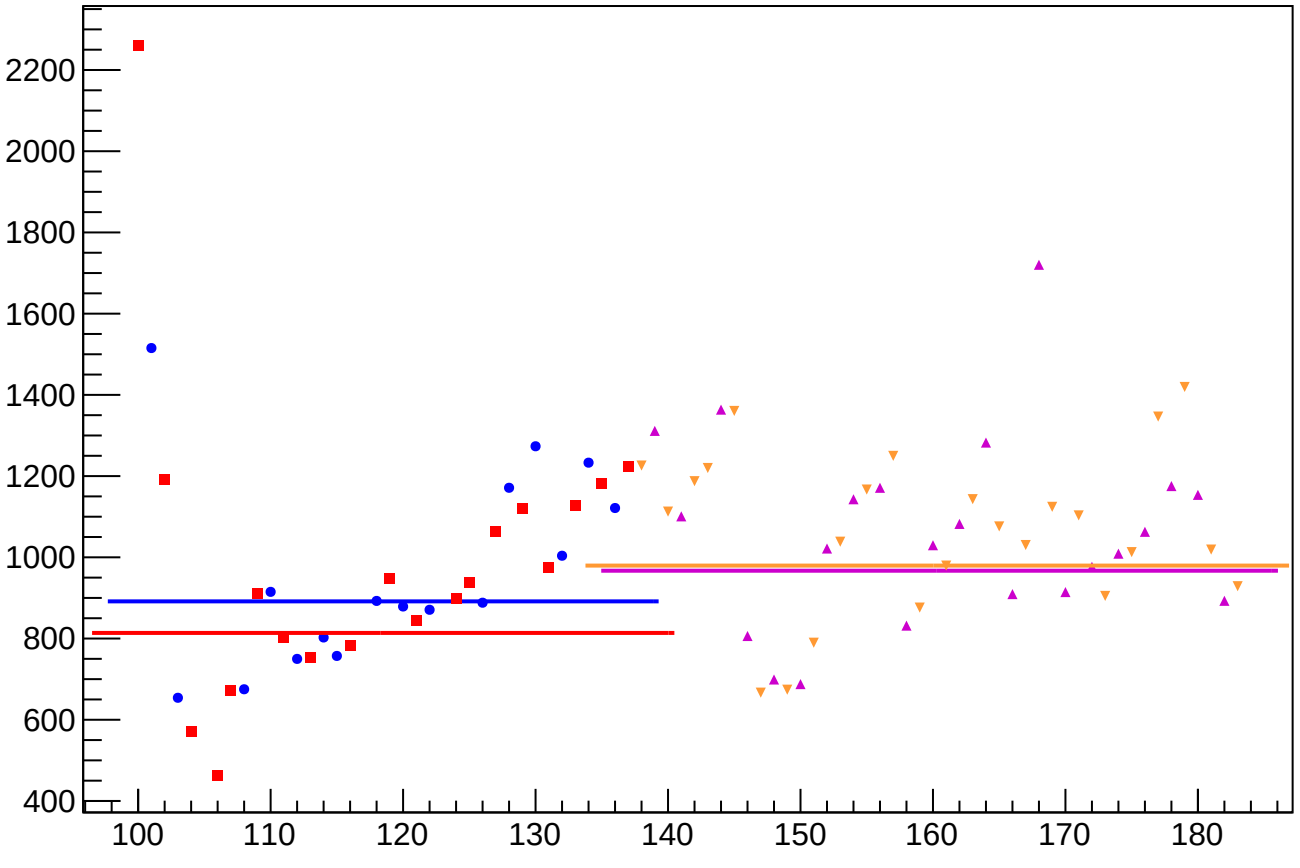
Left: -45.505+/-164.343 χ^2/NDF: 41.6/45

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -81.768+/-193.383 χ^2/NDF:29.0/37

Out: -157.791+/-186.352 χ^2/NDF:46.3/42

All: -121.186+/-134.188 χ^2/NDF: 75.4/80



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 979.635+/-0.163 χ^2/NDF:1630427.2/23

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 967.003+/-0.165 χ^2/NDF:1602111.5/21

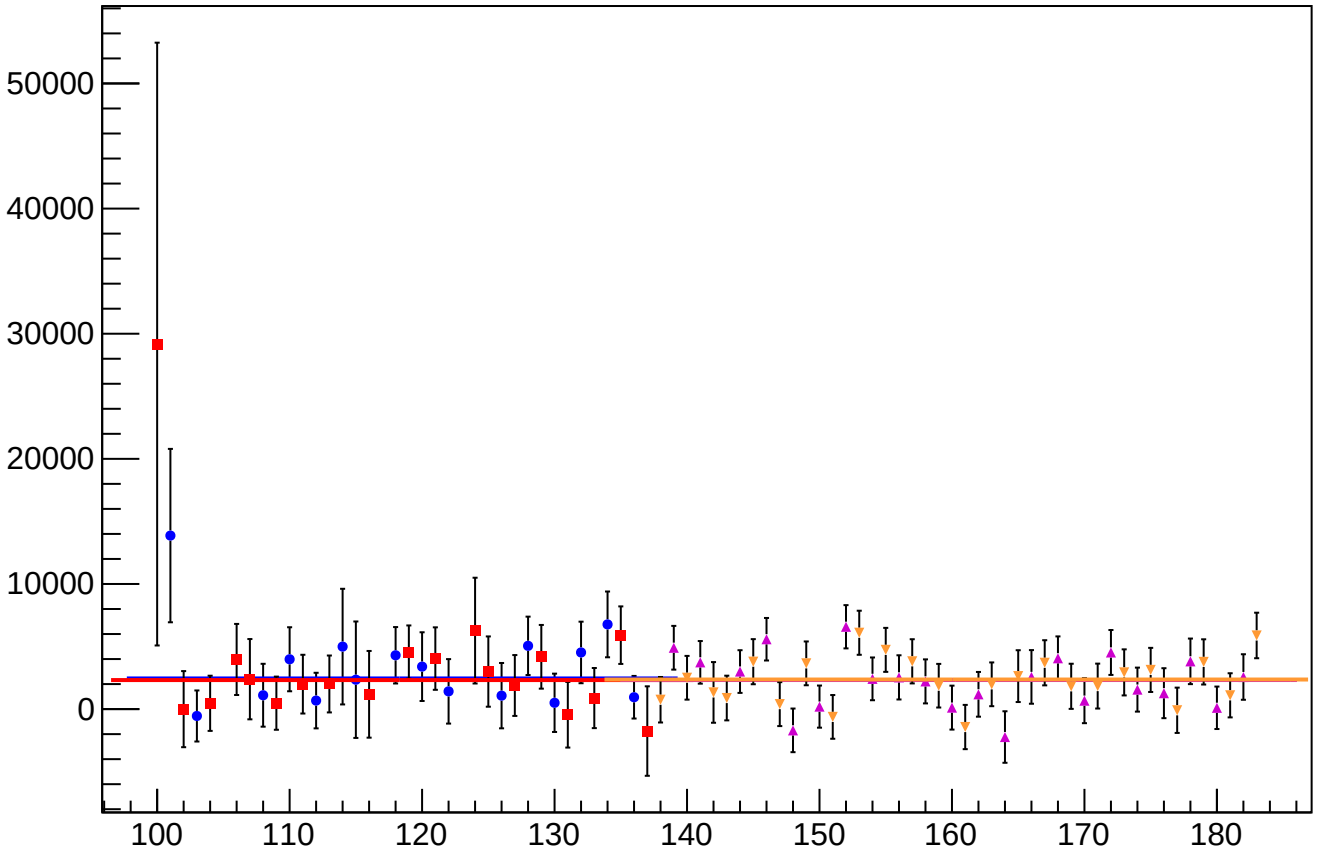
Left: 973.405+/-0.116 χ^2/NDF: 3235492.2/45

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 943.068+/-0.137 χ^2/NDF:2461735.9/37

Out: 921.873+/-0.132 χ^2/NDF:3042913.5/42

All: 932.078+/-0.095 χ^2/NDF: 5517105.9/80



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2363.953+/-368.772 χ^2/NDF:26.5/23

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2324.080+/-379.883 χ^2/NDF:32.8/21

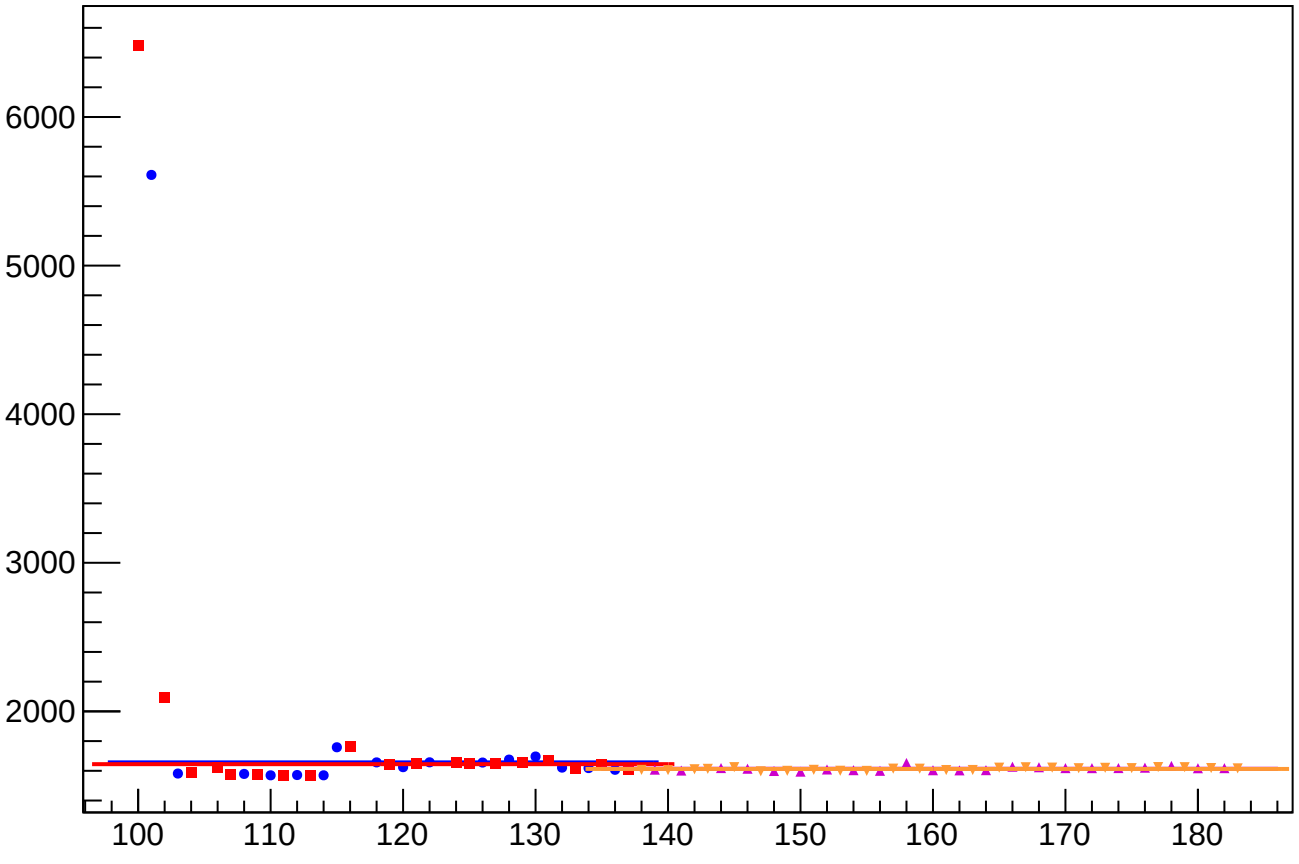
Left: 2344.608+/-264.602 χ^2/NDF: 59.3/45

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2357.477+/-325.350 χ^2/NDF:46.7/37

Out: 2352.333+/-315.537 χ^2/NDF:38.6/42

All: 2354.826+/-226.508 χ^2/NDF: 85.2/80



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.584+/-0.261 χ^2/NDF:1171.9/23

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1613.750+/-0.269 χ^2/NDF:2353.1/21

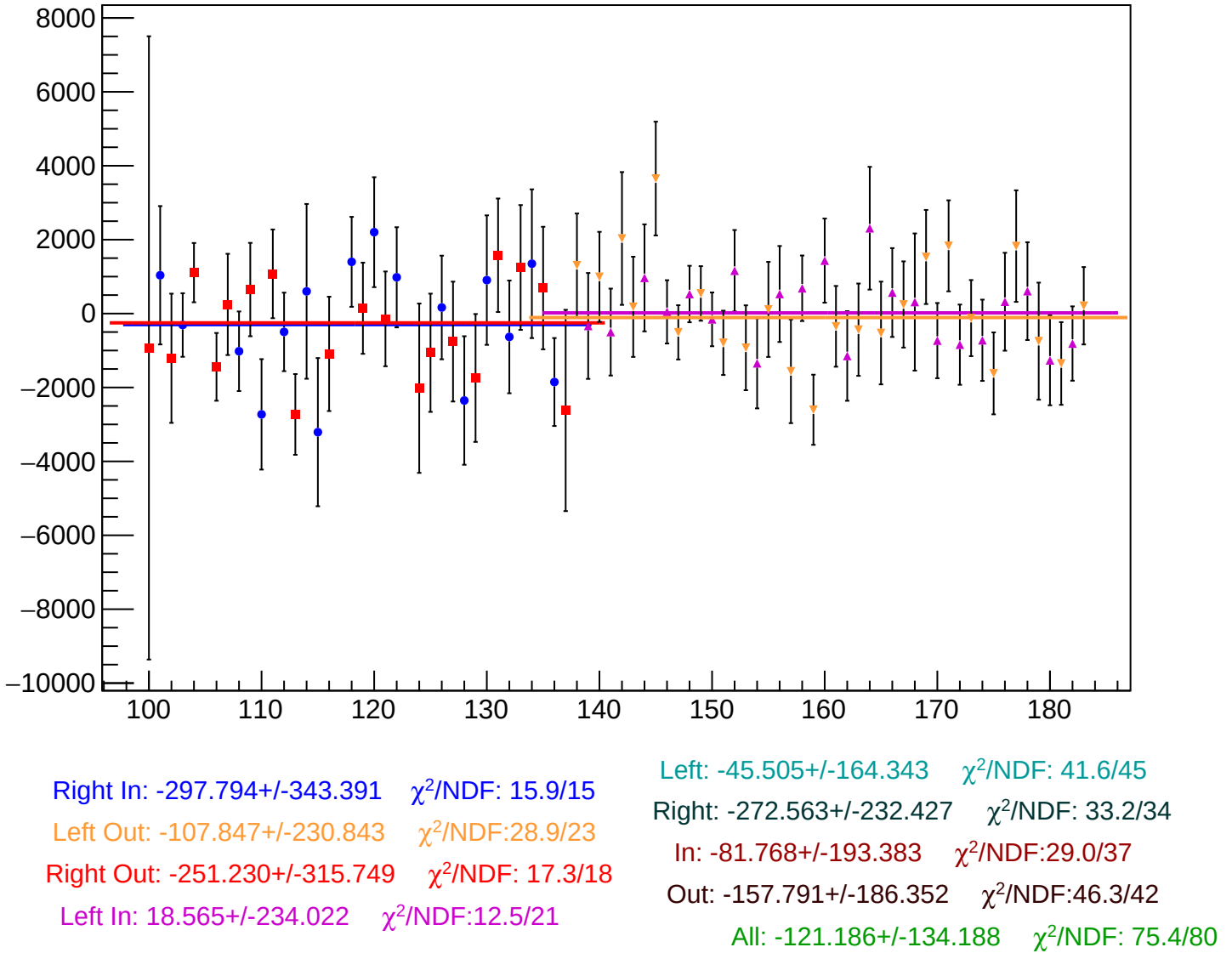
Left: 1613.150+/-0.187 χ^2/NDF: 3534.7/45

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

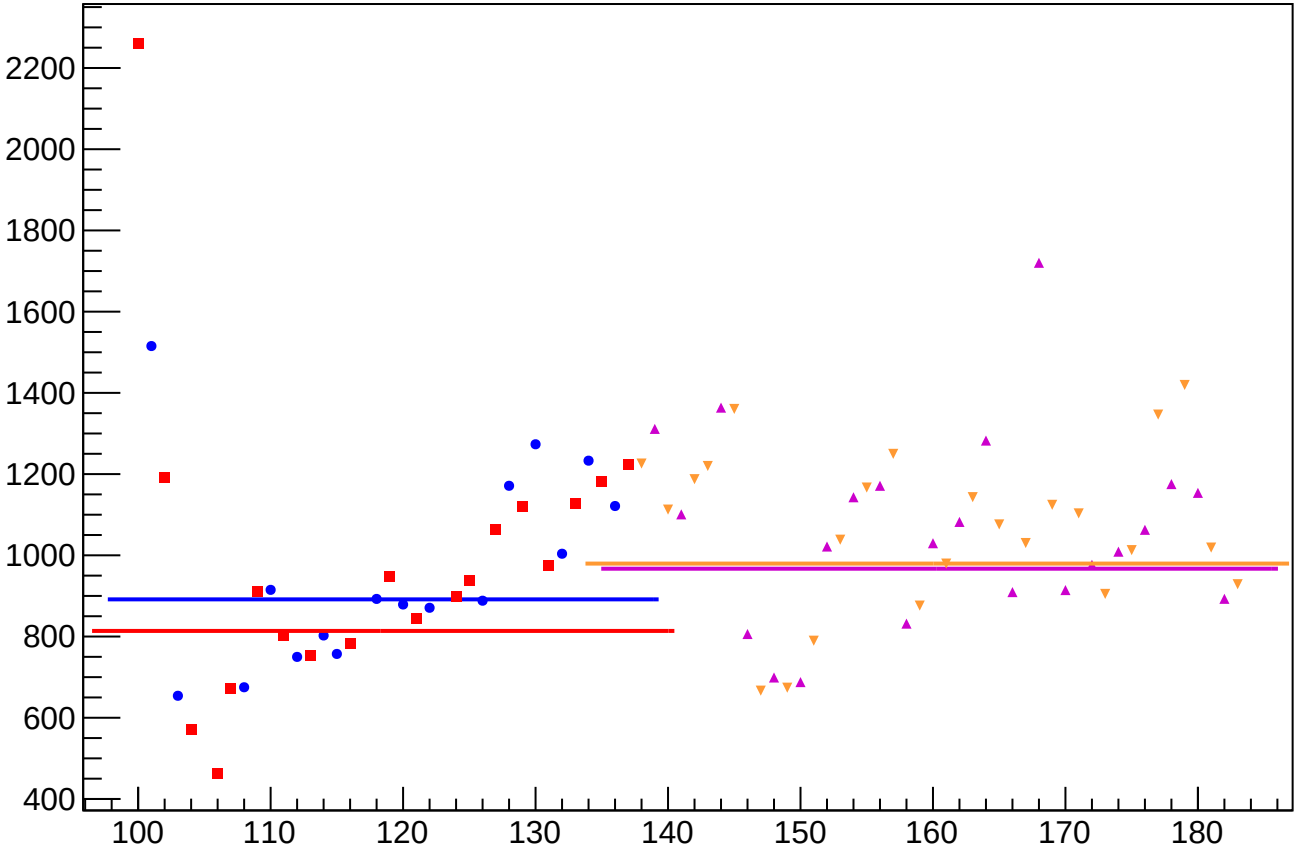
In: 1625.192+/-0.230 χ^2/NDF:675386.6/37

Out: 1621.196+/-0.223 χ^2/NDF:141726.7/42

All: 1623.133+/-0.160 χ^2/NDF: 817268.8/80


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
Right In: -297.794+/-343.391 χ²/NDF: 15.9/15
Left Out: -107.847+/-230.843 χ²/NDF:28.9/23
Right Out: -251.230+/-315.749 χ²/NDF: 17.3/18
Left In: 18.565+/-234.022 χ²/NDF:12.5/21
Left: -45.505+/-164.343 χ²/NDF: 41.6/45
Right: -272.563+/-232.427 χ²/NDF: 33.2/34
In: -81.768+/-193.383 χ²/NDF:29.0/37
Out: -157.791+/-186.352 χ²/NDF:46.3/42
All: -121.186+/-134.188 χ²/NDF: 75.4/80

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: 979.635+/-0.163 χ^2/NDF:1630427.2/23

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: 973.405+/-0.116 χ^2/NDF: 3235492.2/45

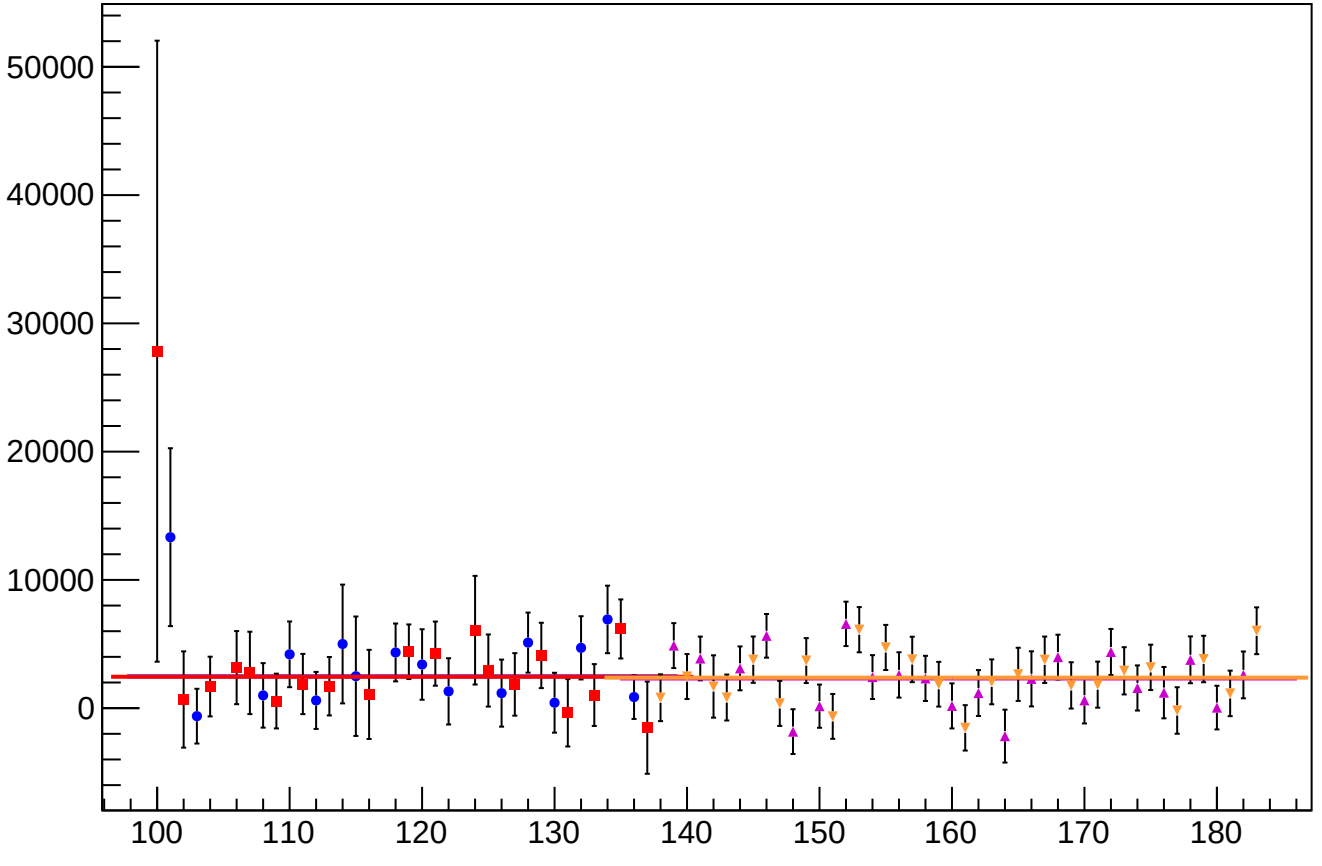
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 943.068+/-0.137 χ^2/NDF:2461735.9/37

Out: 921.873+/-0.132 χ^2/NDF:3042913.5/42

All: 932.078+/-0.095 χ^2/NDF: 5517105.9/80

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2378.522+/-369.470 χ^2/NDF:27.2/23

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2312.919+/-380.490 χ^2/NDF:33.1/21

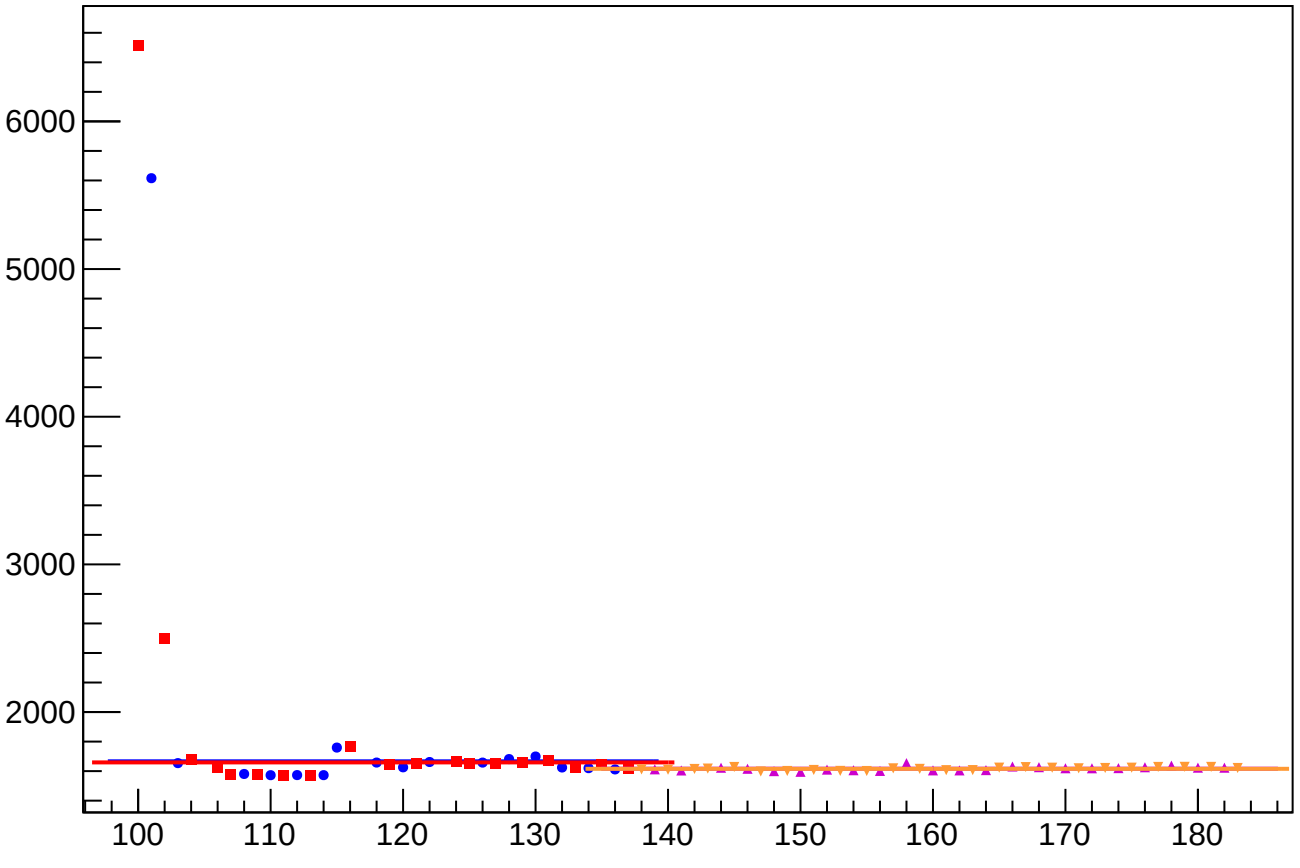
Left: 2346.685+/-265.065 χ^2/NDF: 60.3/45

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2355.912+/-326.229 χ^2/NDF:47.3/37

Out: 2397.115+/-317.055 χ^2/NDF:37.8/42

All: 2377.101+/-227.366 χ^2/NDF: 85.1/80



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1615.624+/-0.261 χ^2/NDF:1447.1/23

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1616.317+/-0.269 χ^2/NDF:2556.1/21

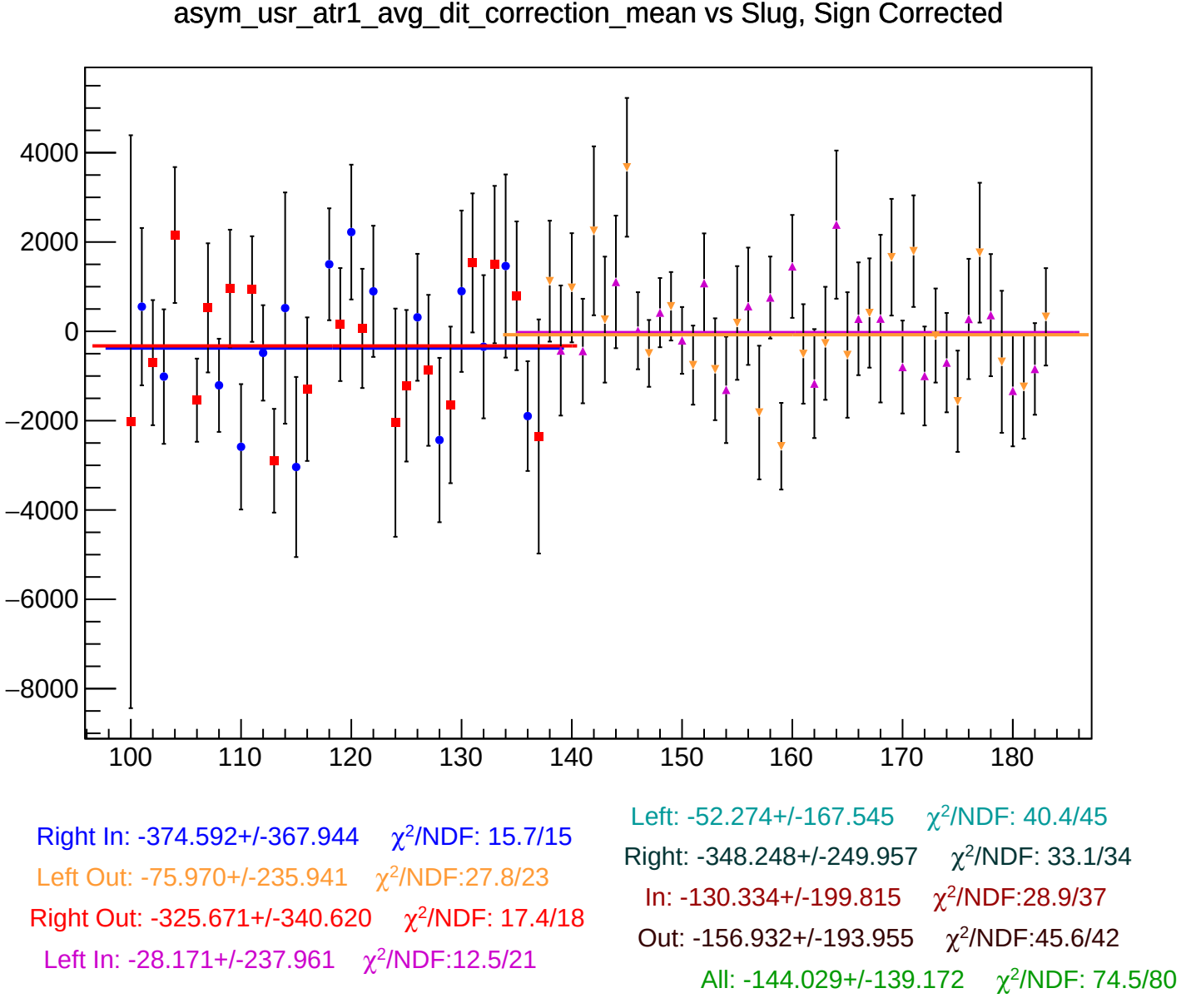
Left: 1615.960+/-0.187 χ^2/NDF: 4006.6/45

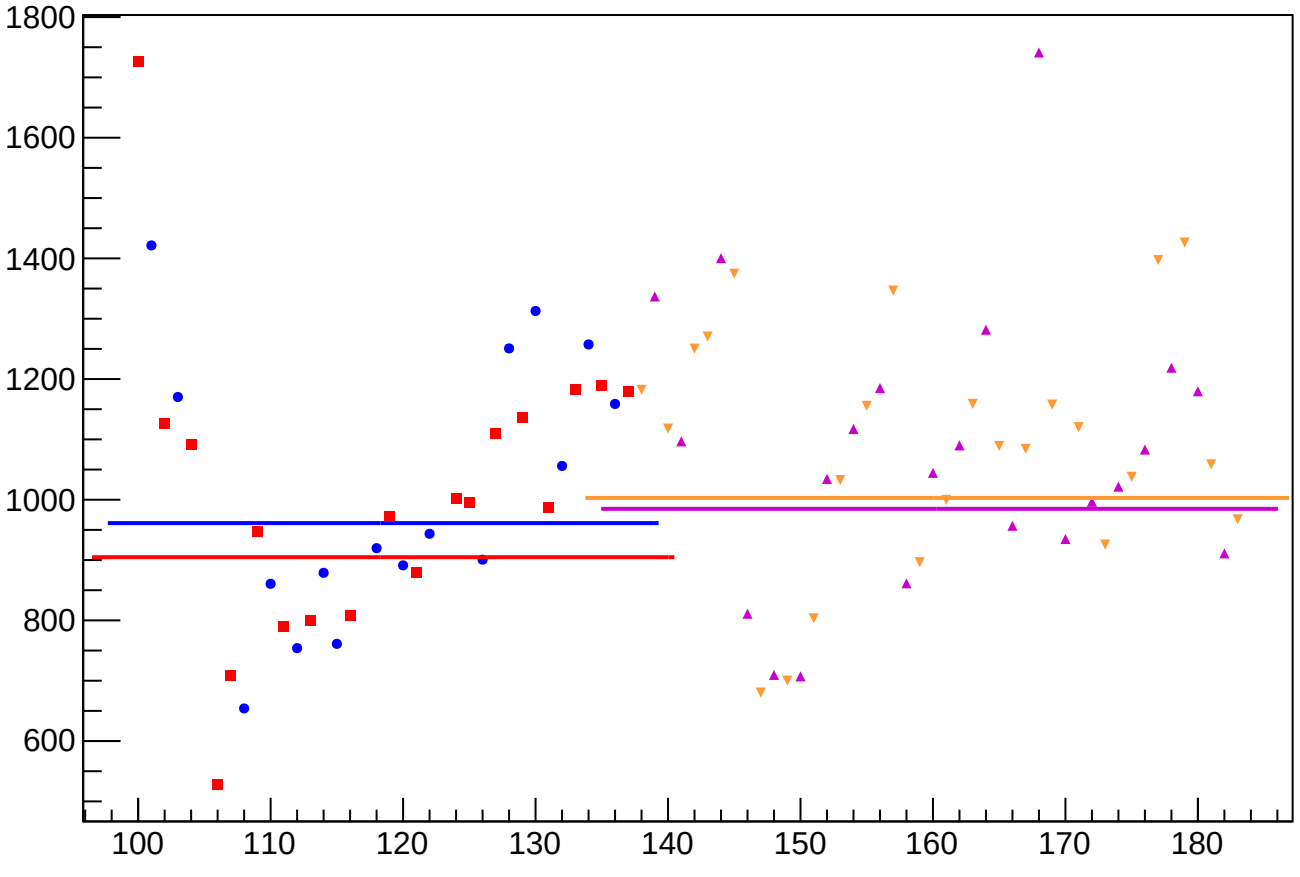
Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1629.583+/-0.231 χ^2/NDF:674649.2/37

Out: 1627.060+/-0.224 χ^2/NDF:201938.6/42

All: 1628.285+/-0.161 χ^2/NDF: 876649.3/80


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: -75.970+/-235.941 χ²/NDF:27.8/23
Right Out: -325.671+/-340.620 χ²/NDF: 17.4/18
Left In: -28.171+/-237.961 χ²/NDF:12.5/21
Left: -52.274+/-167.545 χ²/NDF: 40.4/45
Right: -348.248+/-249.957 χ²/NDF: 33.1/34
In: -130.334+/-199.815 χ²/NDF:28.9/37
Out: -156.932+/-193.955 χ²/NDF:45.6/42
All: -144.029+/-139.172 χ²/NDF: 74.5/80



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1002.950+/-0.167 χ^2/NDF:1598356.1/23

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 984.880+/-0.168 χ^2/NDF:1558265.3/21

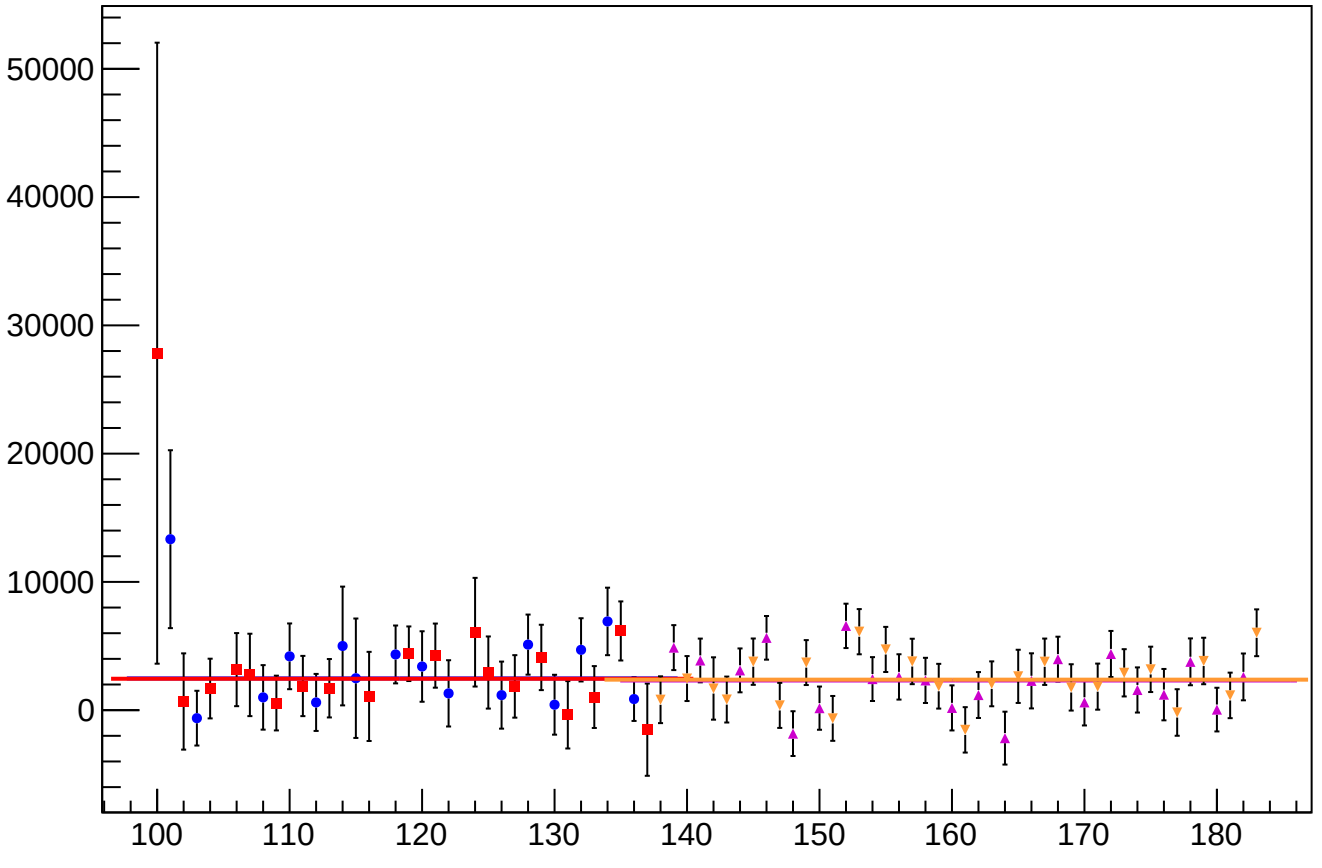
Left: 993.992+/-0.118 χ^2/NDF: 3162436.4/45

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 977.909+/-0.141 χ^2/NDF:2255960.8/37

Out: 971.105+/-0.137 χ^2/NDF:2447204.5/42

All: 974.406+/-0.098 χ^2/NDF: 4704359.2/80



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2378.522+/-369.470 χ^2/NDF:27.2/23

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2312.919+/-380.490 χ^2/NDF:33.1/21

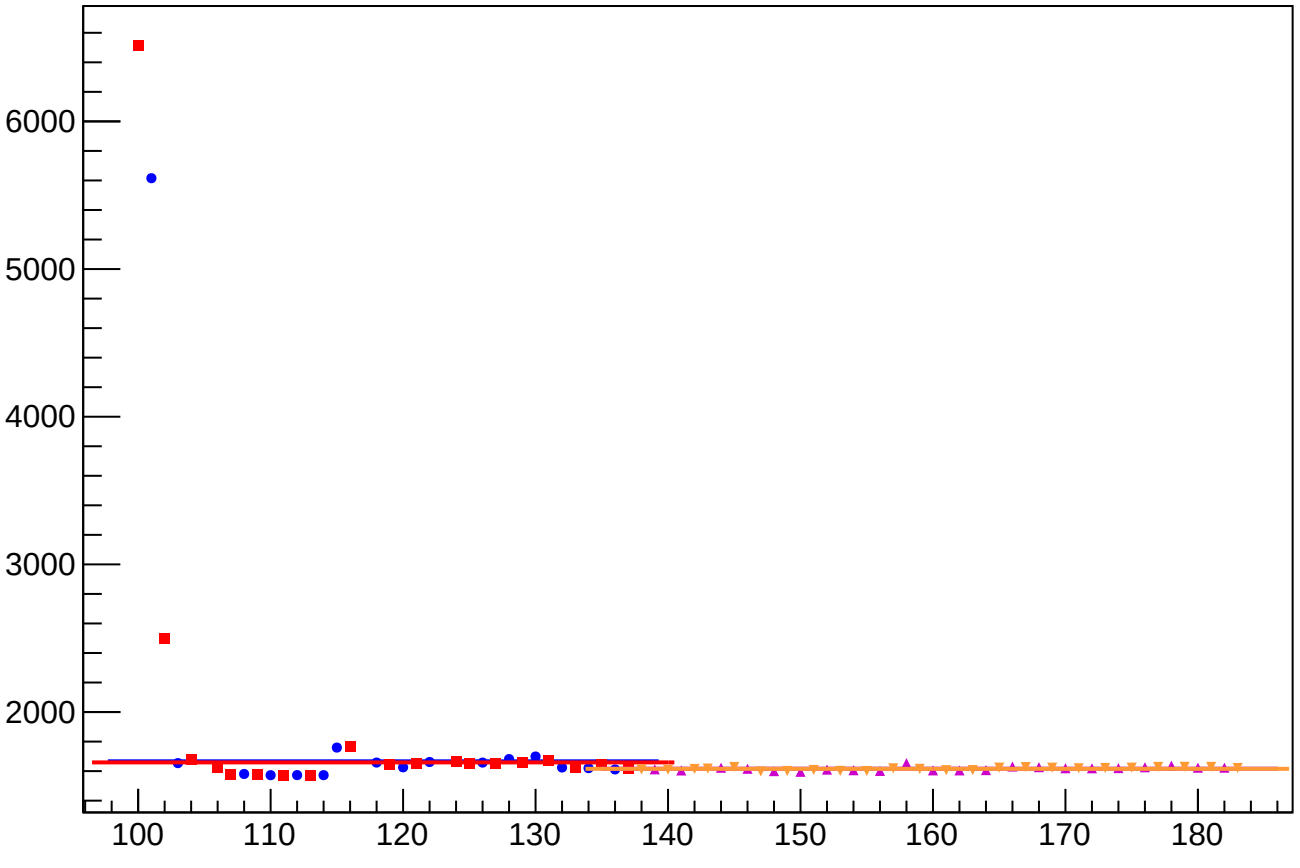
Left: 2346.684+/-265.065 χ^2/NDF: 60.3/45

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2355.912+/-326.229 χ^2/NDF:47.3/37

Out: 2397.114+/-317.055 χ^2/NDF:37.8/42

All: 2377.100+/-227.366 χ^2/NDF: 85.1/80



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1615.625+/-0.261 χ^2/NDF:1447.1/23

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1616.317+/-0.269 χ^2/NDF:2556.1/21

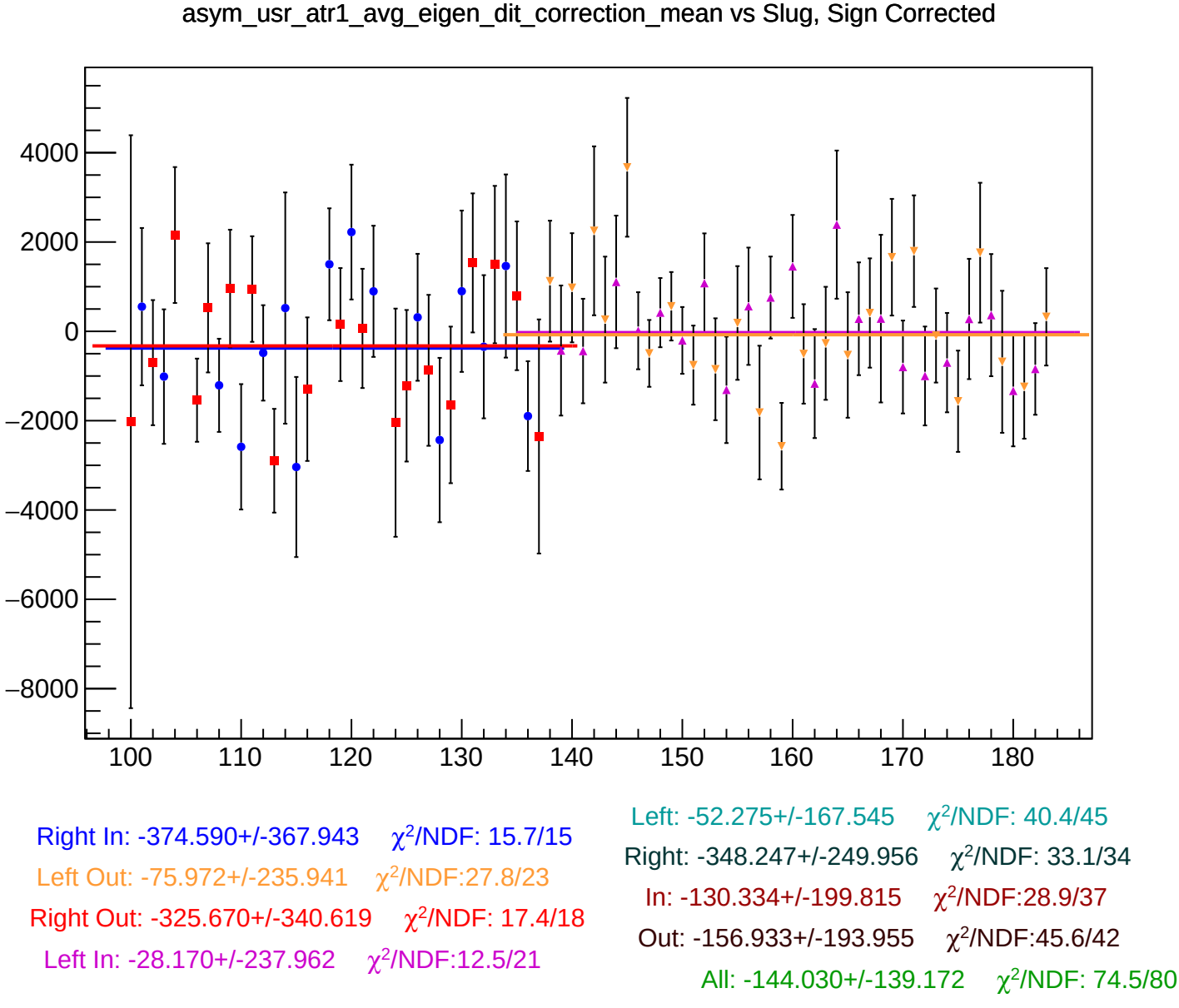
Left: 1615.960+/-0.187 χ^2/NDF: 4006.6/45

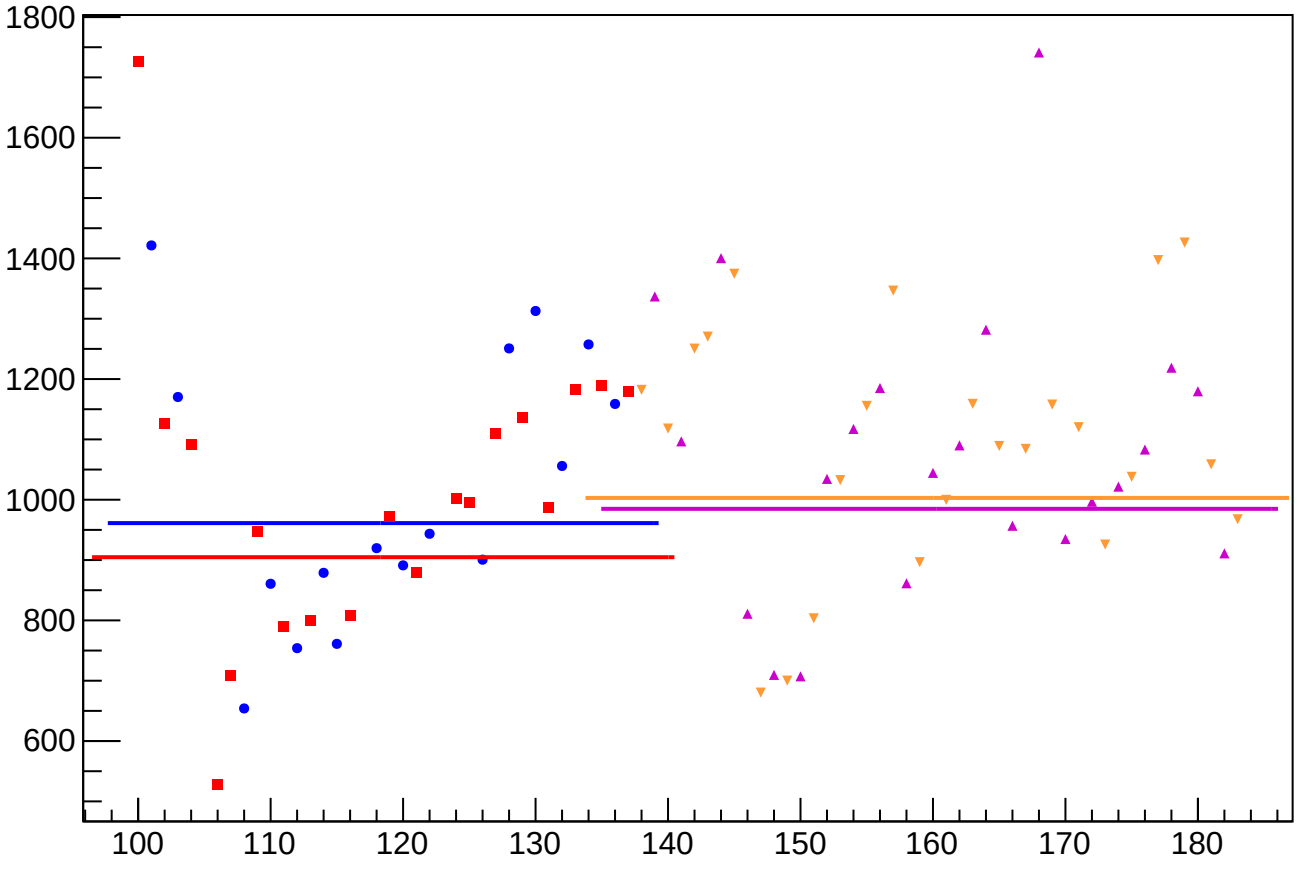
Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1629.583+/-0.231 χ^2/NDF:674649.1/37

Out: 1627.060+/-0.224 χ^2/NDF:201938.4/42

All: 1628.285+/-0.161 χ^2/NDF: 876649.0/80


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: -75.972+/-235.941 χ²/NDF:27.8/23
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: -28.170+/-237.962 χ²/NDF:12.5/21
Left: -52.275+/-167.545 χ²/NDF: 40.4/45
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -130.334+/-199.815 χ²/NDF:28.9/37
Out: -156.933+/-193.955 χ²/NDF:45.6/42
All: -144.030+/-139.172 χ²/NDF: 74.5/80



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1002.952+/-0.167 χ^2/NDF:1598358.2/23

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: 993.994+/-0.118 χ^2/NDF: 3162440.8/45

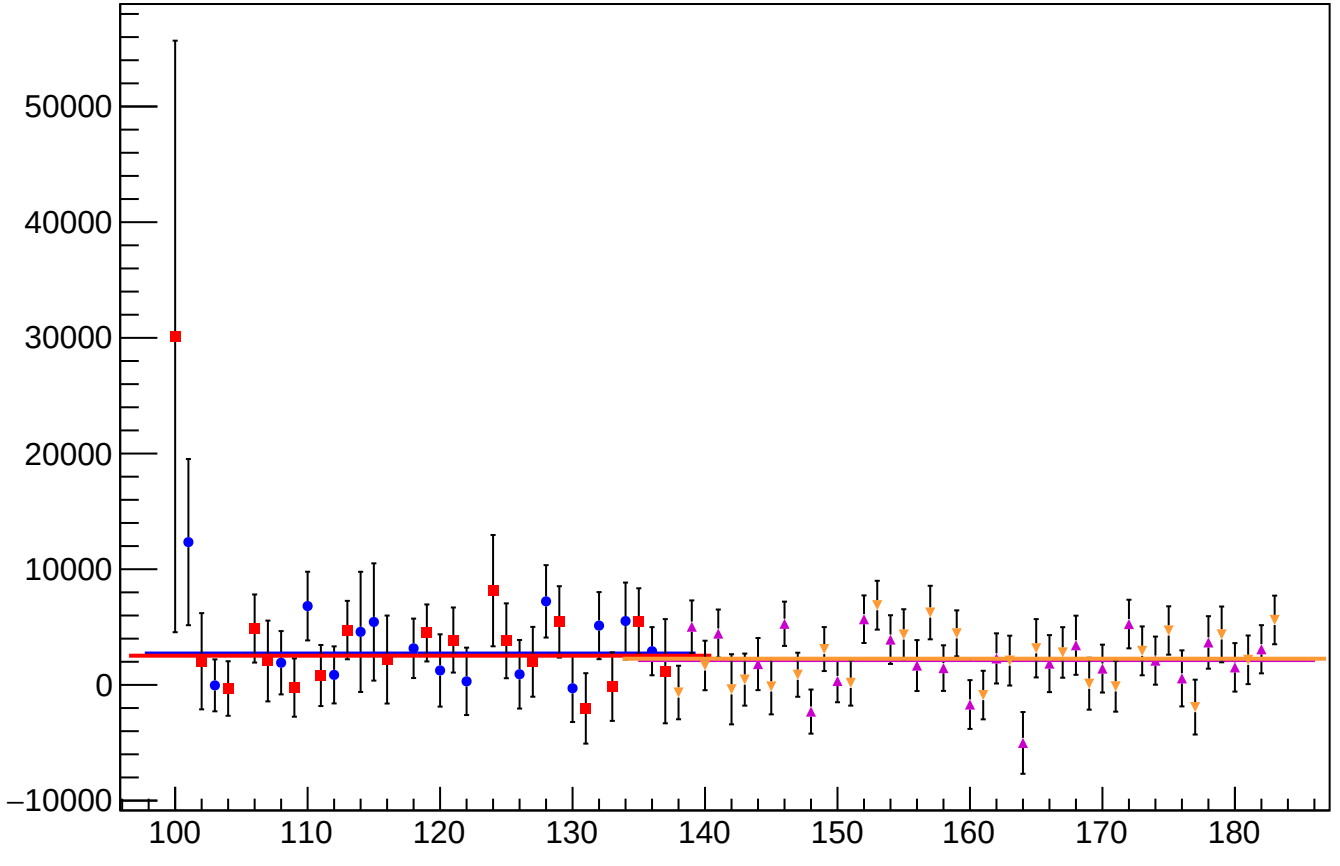
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 977.910+/-0.141 χ^2/NDF:2255973.9/37

Out: 971.106+/-0.137 χ^2/NDF:2447215.0/42

All: 974.407+/-0.098 χ^2/NDF: 4704382.8/80

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2264.569+/-445.419 χ^2/NDF:28.3/23

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: 2207.426+/-318.722 χ^2/NDF: 58.4/45

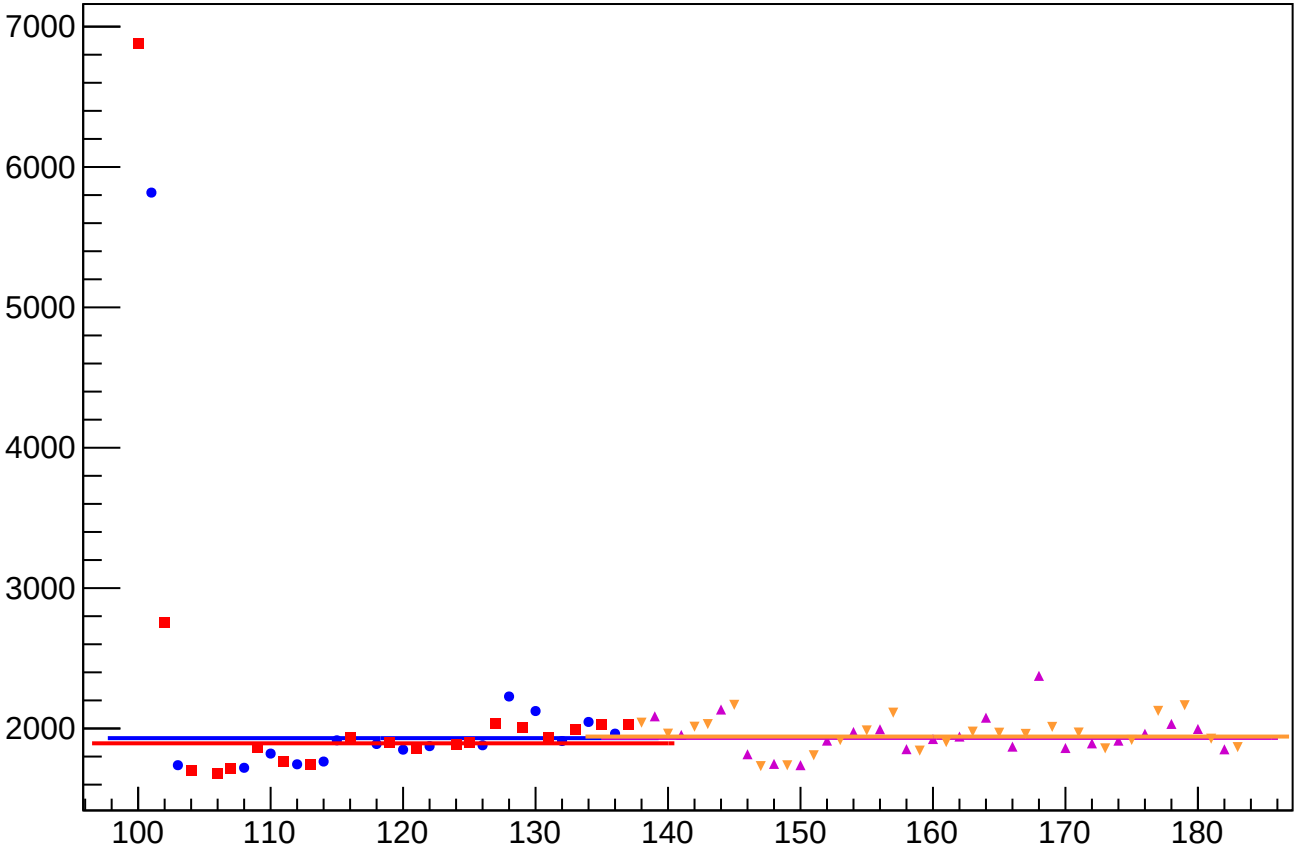
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2304.301+/-387.657 χ^2/NDF:42.6/37

Out: 2338.802+/-376.780 χ^2/NDF:41.6/42

All: 2322.043+/-270.187 χ^2/NDF: 84.2/80

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1942.477+/-0.315 χ^2/NDF:138450.3/23

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1932.835+/-0.323 χ^2/NDF:159297.0/21

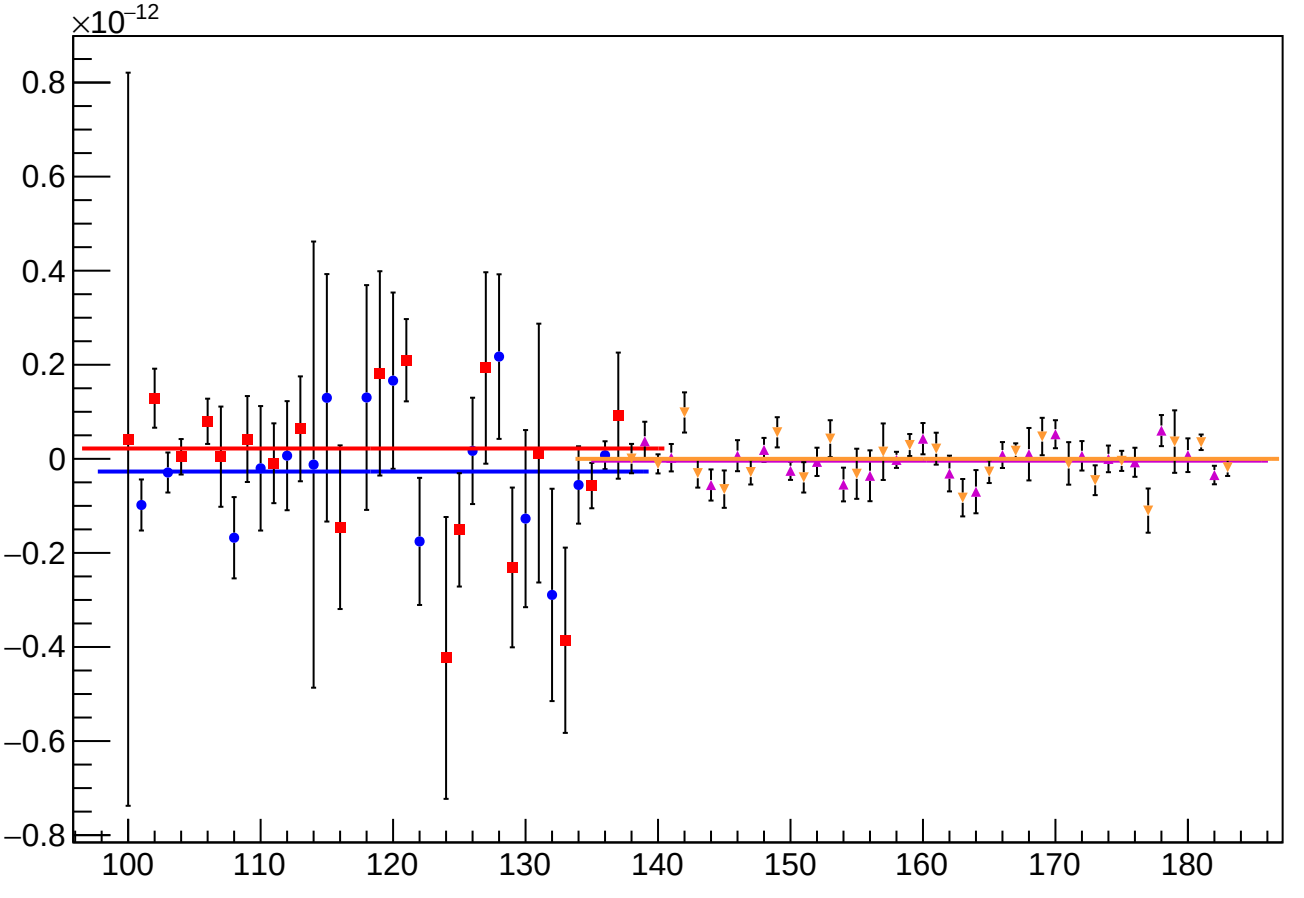
Left: 1937.772+/-0.225 χ^2/NDF: 298204.5/45

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1932.394+/-0.274 χ^2/NDF:820530.7/37

Out: 1928.786+/-0.266 χ^2/NDF:365633.4/42

All: 1930.539+/-0.191 χ^2/NDF: 1186253.3/80



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

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

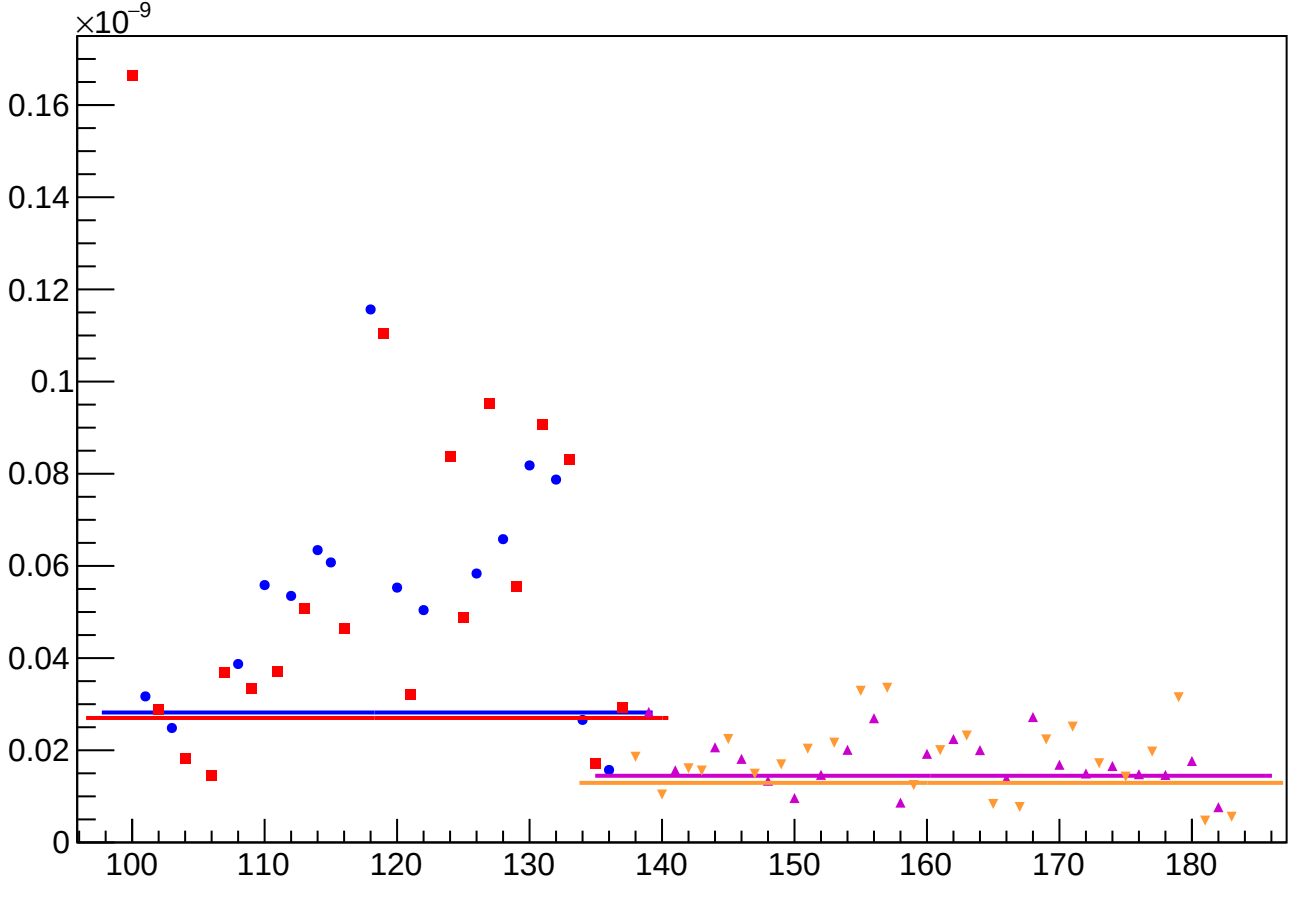
Left: -0.000+/-0.000 χ^2/NDF: 63.1/45

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:66.8/42

All: -0.000+/-0.000 χ^2/NDF: 104.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2826127.8/23

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: 4272980.4/45

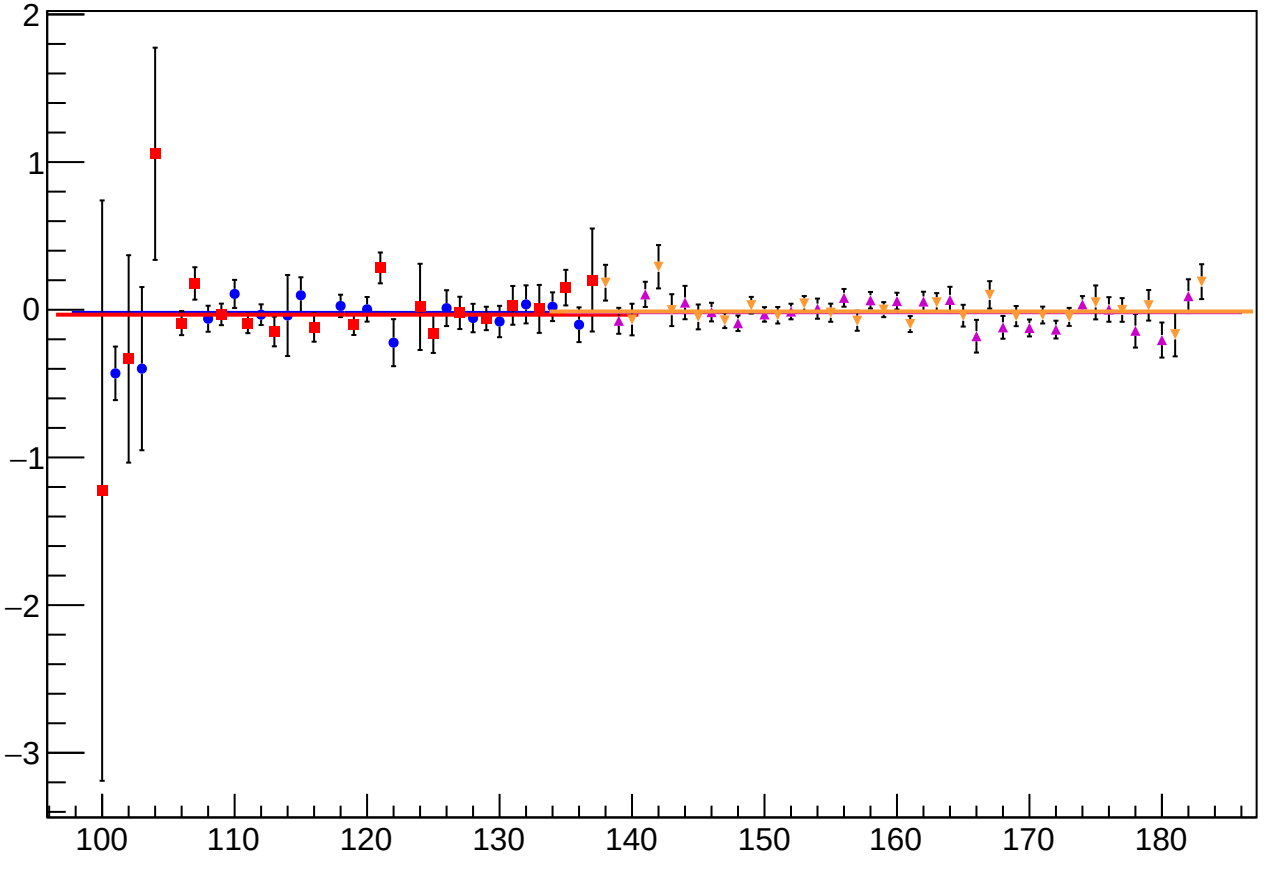
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3799728.5/37

Out: 0.000+/-0.000 χ^2/NDF:5354976.5/42

All: 0.000+/-0.000 χ^2/NDF: 9247003.5/80

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: -0.012+/-0.014 χ^2/NDF:21.8/23

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.017+/-0.015 χ^2/NDF:30.3/21

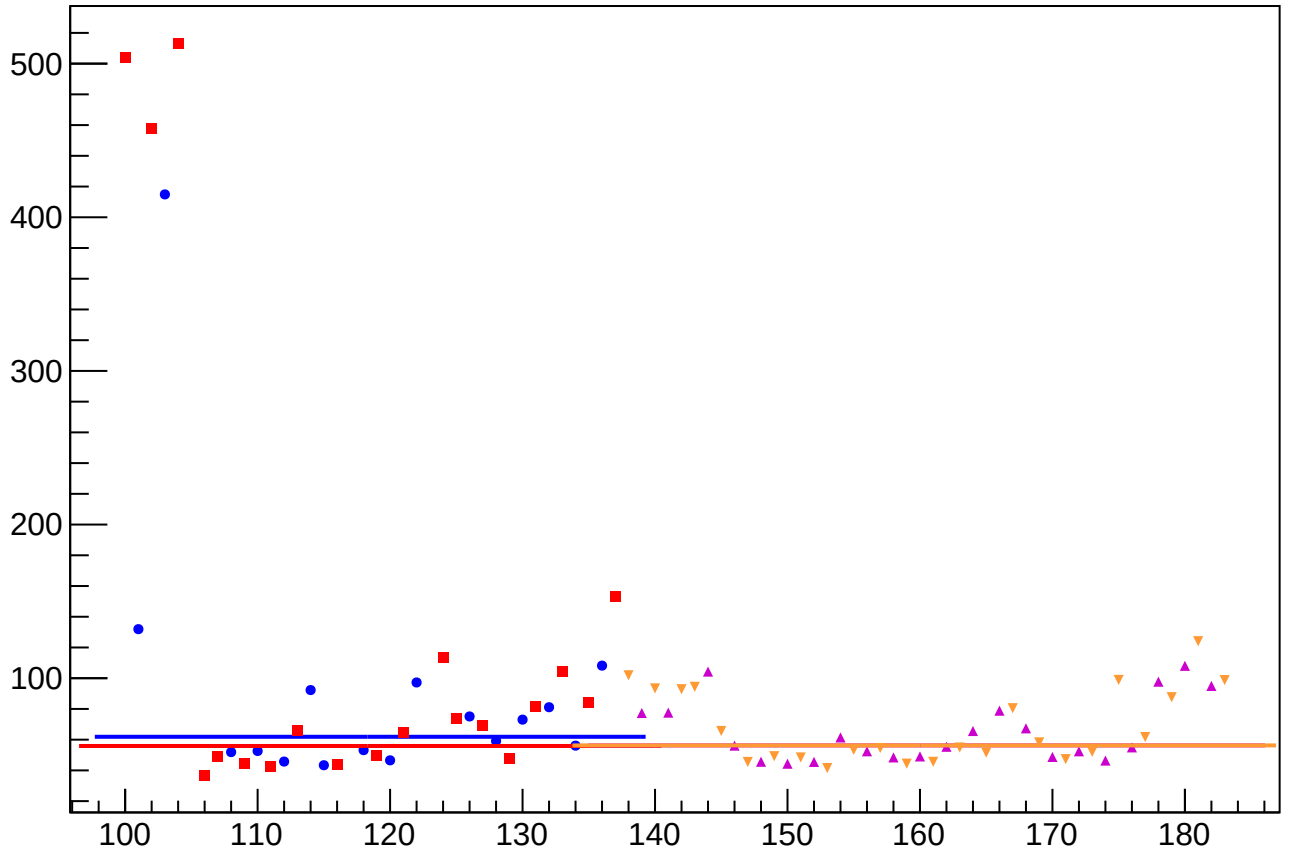
Left: -0.014+/-0.010 χ^2/NDF: 52.2/45

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.018+/-0.013 χ^2/NDF:42.4/37

Out: -0.017+/-0.012 χ^2/NDF:46.8/42

All: -0.017+/-0.009 χ^2/NDF: 89.1/80



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 56.260+/-0.010 χ^2/NDF:2785997.6/23

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 56.261+/-0.010 χ^2/NDF:2098989.5/21

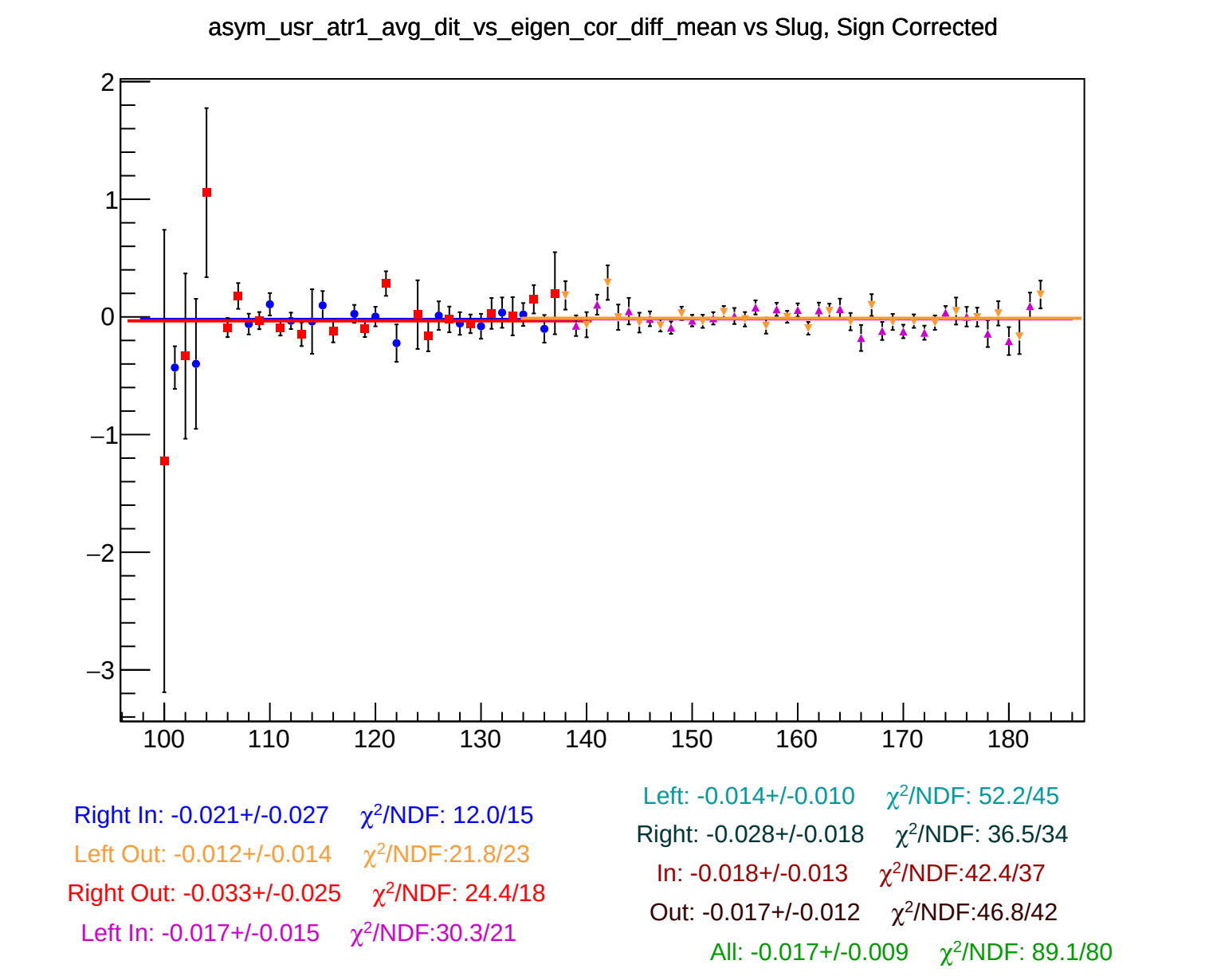
Left: 56.261+/-0.007 χ^2/NDF: 4884987.1/45

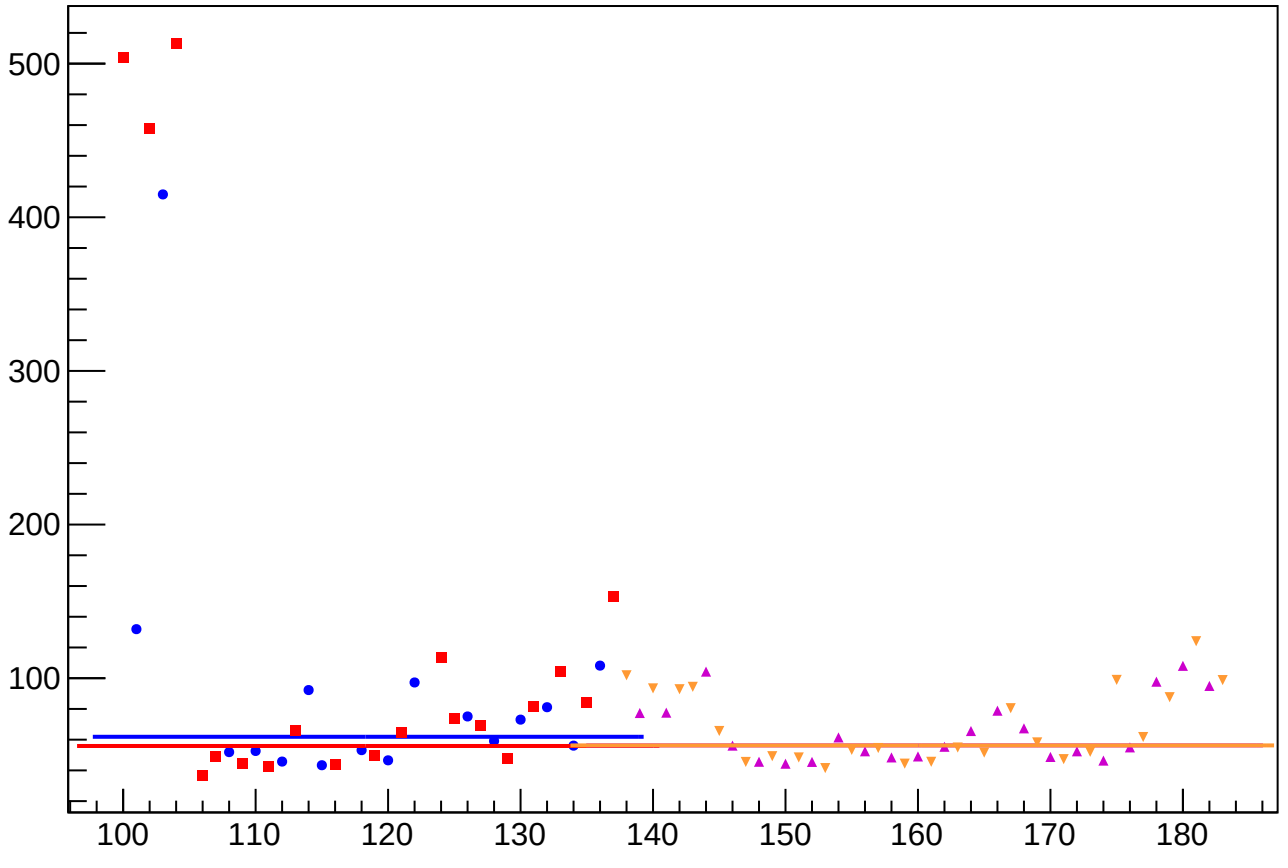
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 57.559+/-0.009 χ^2/NDF:4105689.5/37

Out: 56.165+/-0.009 χ^2/NDF:5377616.0/42

All: 56.843+/-0.006 χ^2/NDF: 9495549.6/80


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.012+/-0.014 χ²/NDF:21.8/23
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.017+/-0.015 χ²/NDF:30.3/21
Left: -0.014+/-0.010 χ²/NDF: 52.2/45
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.018+/-0.013 χ²/NDF:42.4/37
Out: -0.017+/-0.012 χ²/NDF:46.8/42
All: -0.017+/-0.009 χ²/NDF: 89.1/80



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 56.260+/-0.010 χ^2/NDF:2785997.6/23

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 56.261+/-0.010 χ^2/NDF:2098989.5/21

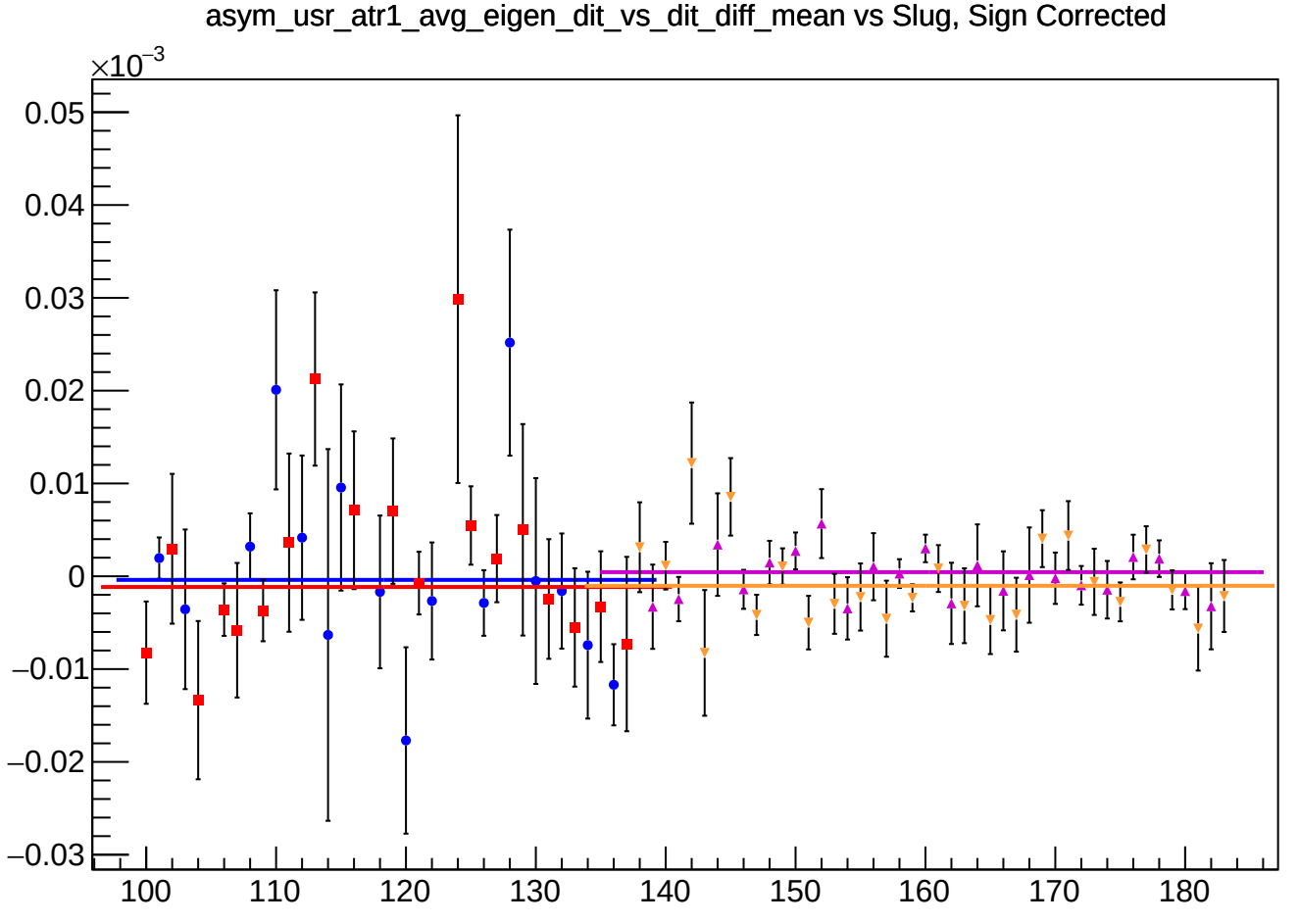
Left: 56.261+/-0.007 χ^2/NDF: 4884987.1/45

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 57.559+/-0.009 χ^2/NDF:4105689.5/37

Out: 56.165+/-0.009 χ^2/NDF:5377616.0/42

All: 56.843+/-0.006 χ^2/NDF: 9495549.6/80



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/21

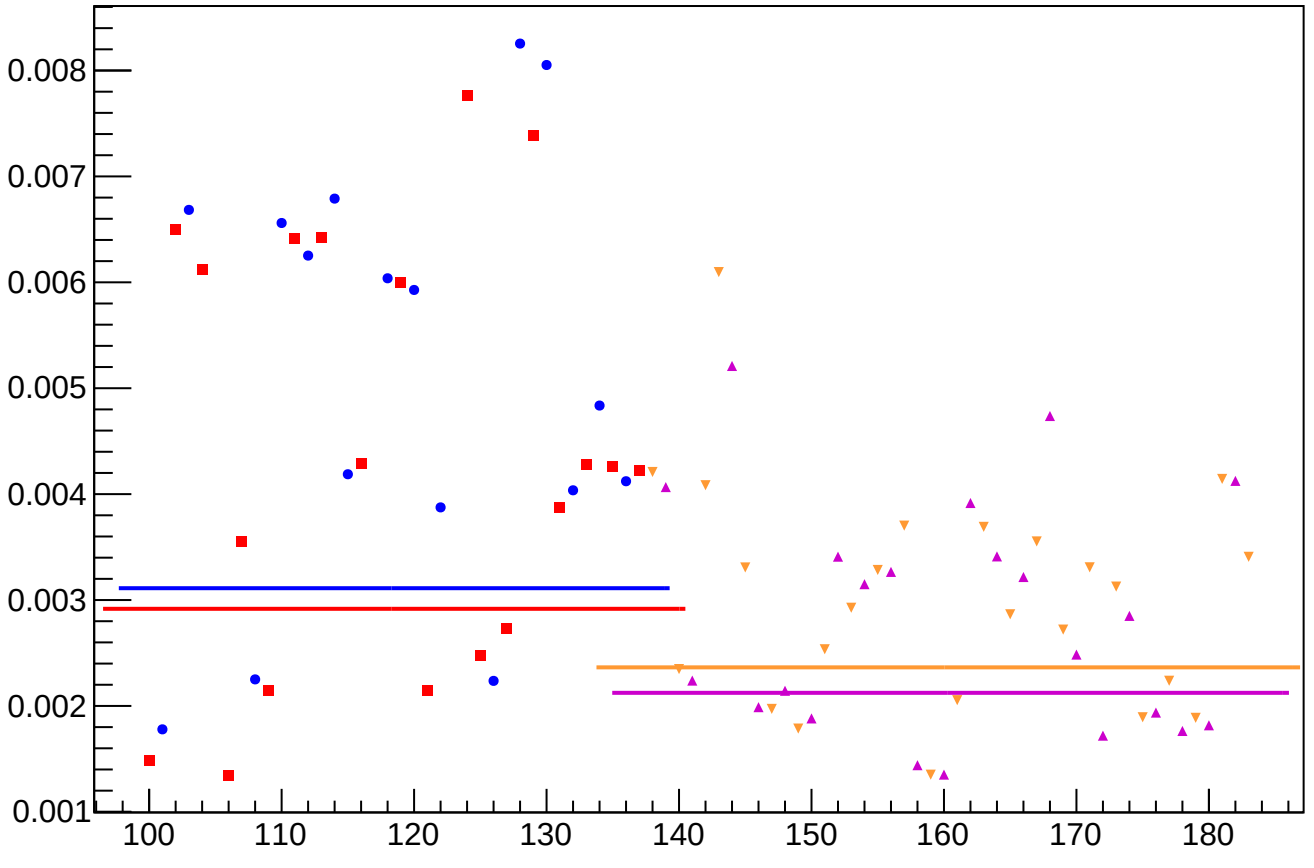
Left: -0.000+/-0.000 χ^2/NDF: 49.6/45

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:51.1/42

All: -0.000+/-0.000 χ^2/NDF: 93.2/80



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:4123421.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:4466057.9/21

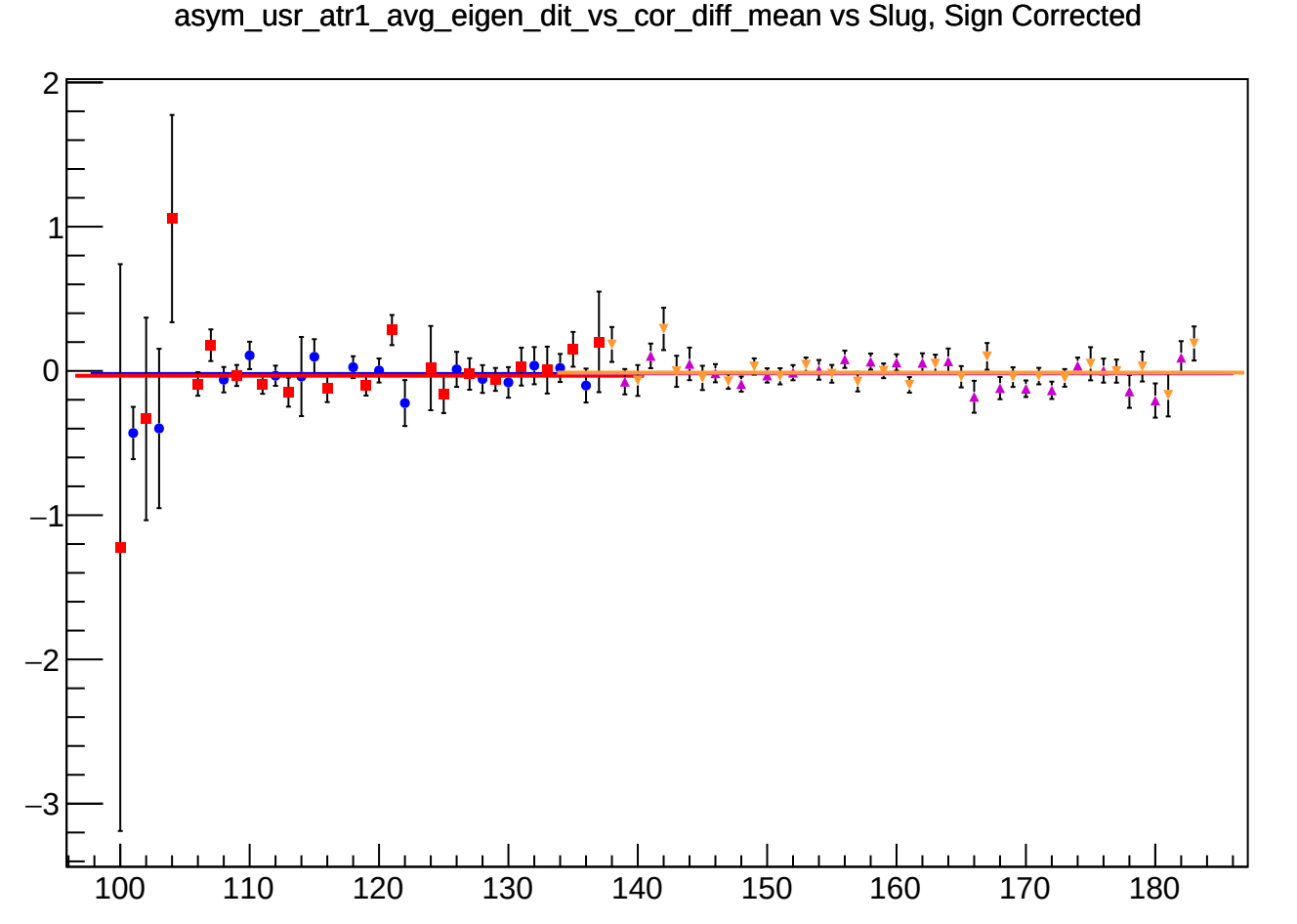
Left: 0.002+/-0.000 χ^2/NDF: 8772296.7/45

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:7738982.2/42

All: 0.002+/-0.000 χ^2/NDF: 16584660.4/80



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/23

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.017+/-0.015 χ^2/NDF:30.3/21

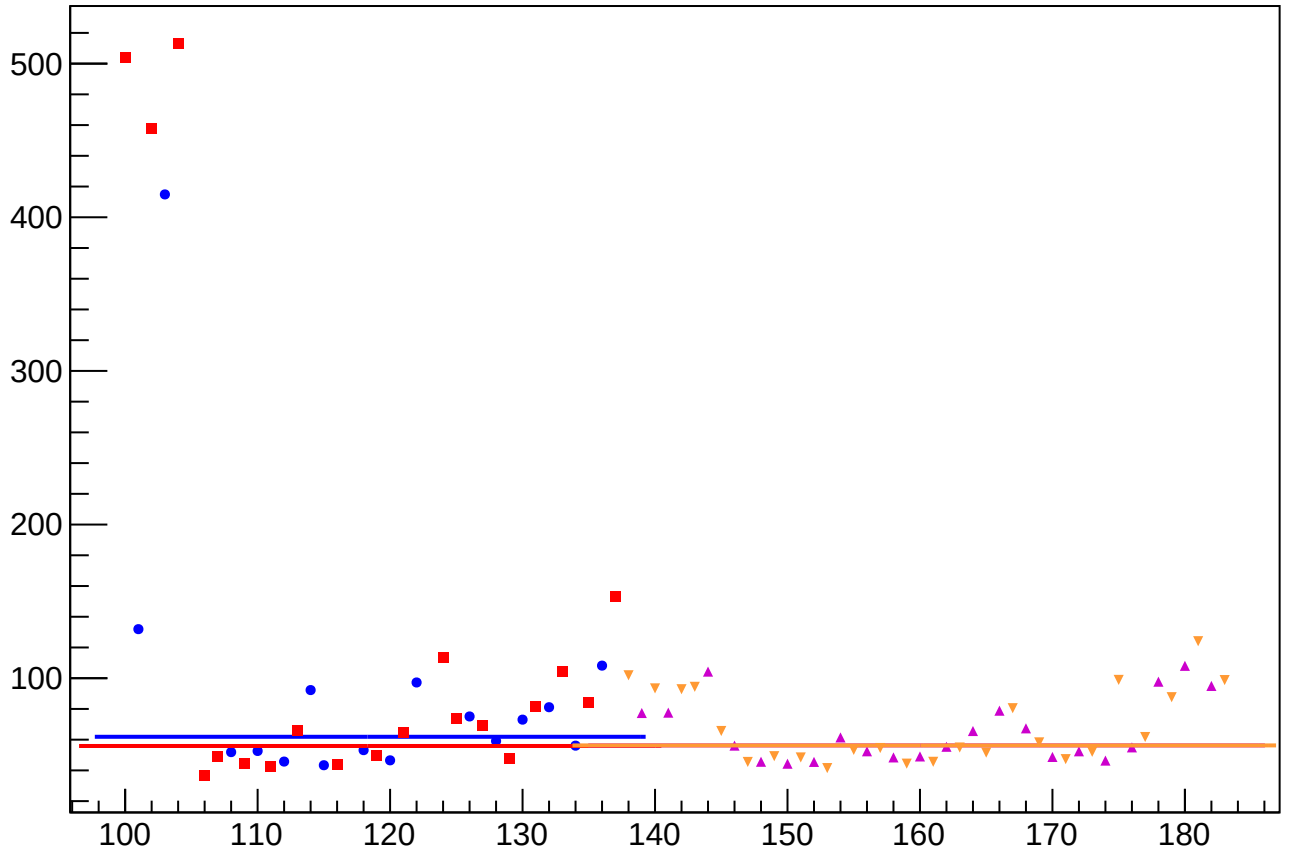
Left: -0.014+/-0.010 χ^2/NDF: 52.2/45

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.018+/-0.013 χ^2/NDF:42.4/37

Out: -0.017+/-0.012 χ^2/NDF:46.8/42

All: -0.017+/-0.009 χ^2/NDF: 89.1/80



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 56.260+/-0.010 χ^2/NDF:2786069.8/23

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: 56.261+/-0.007 χ^2/NDF: 4885048.4/45

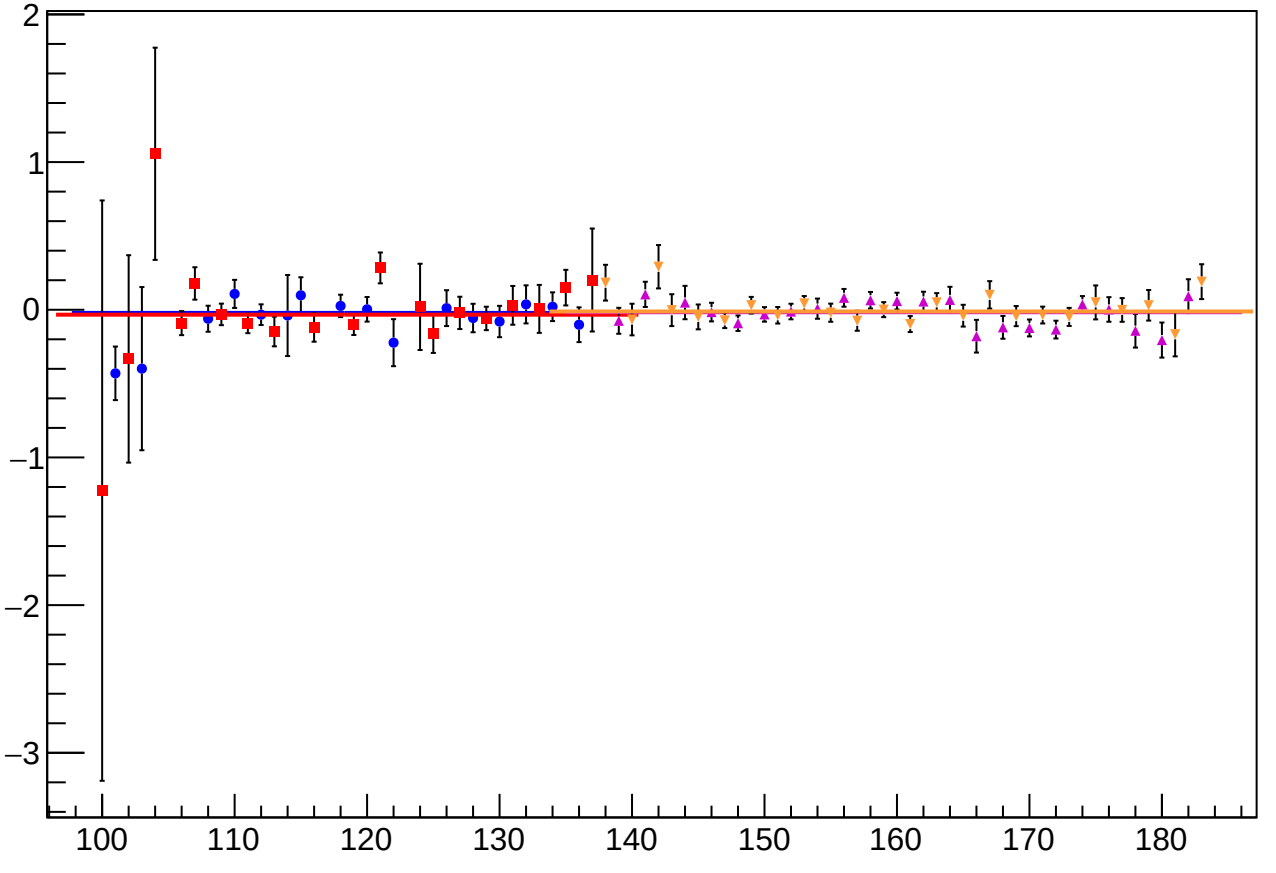
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.559+/-0.009 χ^2/NDF:4105610.3/37

Out: 56.165+/-0.009 χ^2/NDF:5377648.0/42

All: 56.843+/-0.006 χ^2/NDF: 9495503.3/80

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: -0.012+/-0.014 χ^2/NDF:21.8/23

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: -0.014+/-0.010 χ^2/NDF: 52.2/45

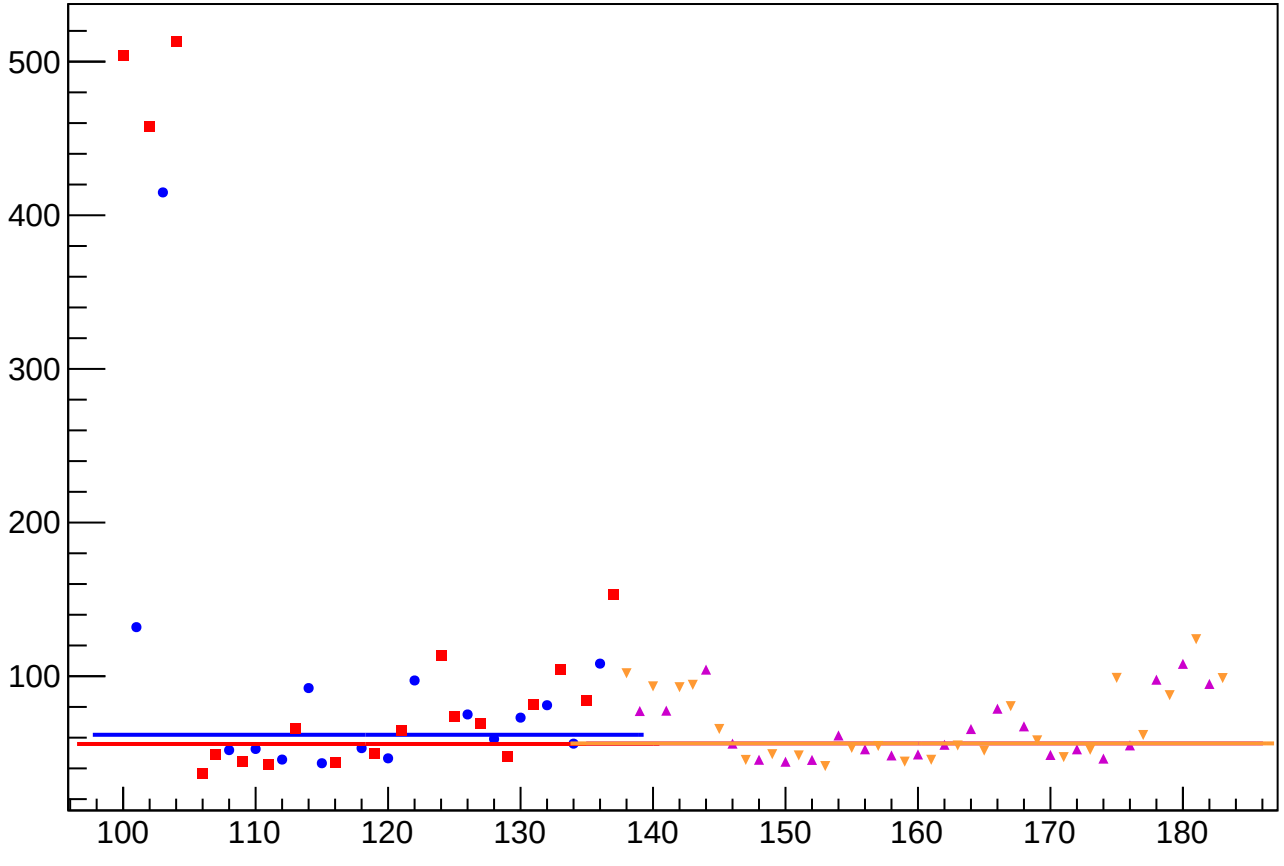
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.018+/-0.013 χ^2/NDF:42.4/37

Out: -0.017+/-0.012 χ^2/NDF:46.8/42

All: -0.017+/-0.009 χ^2/NDF: 89.1/80

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: 56.260+/-0.010 χ^2/NDF:2786069.8/23

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 56.261+/-0.010 χ^2/NDF:2098978.6/21

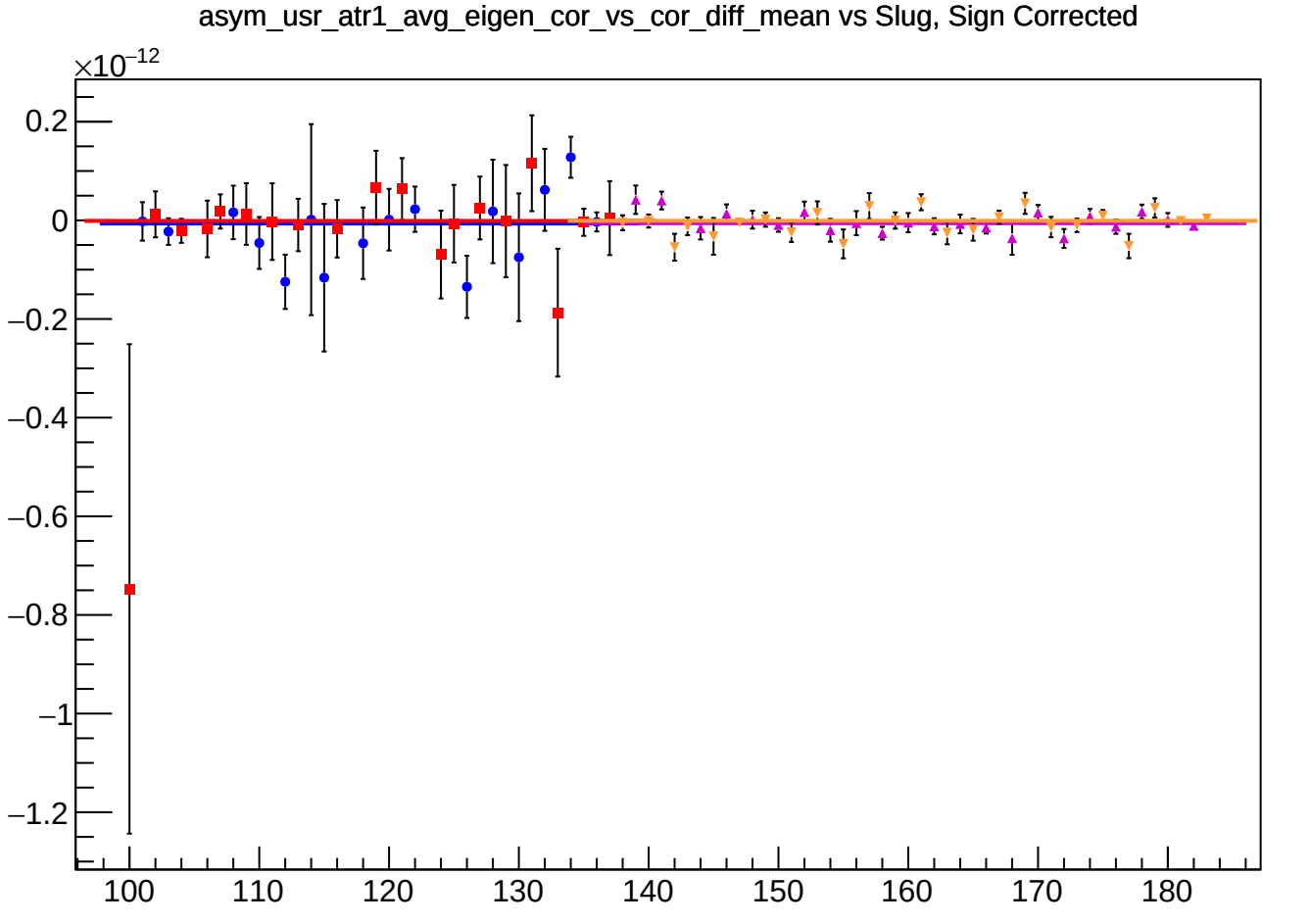
Left: 56.261+/-0.007 χ^2/NDF: 4885048.4/45

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.559+/-0.009 χ^2/NDF:4105610.3/37

Out: 56.165+/-0.009 χ^2/NDF:5377648.0/42

All: 56.843+/-0.006 χ^2/NDF: 9495503.3/80



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:25.7/21

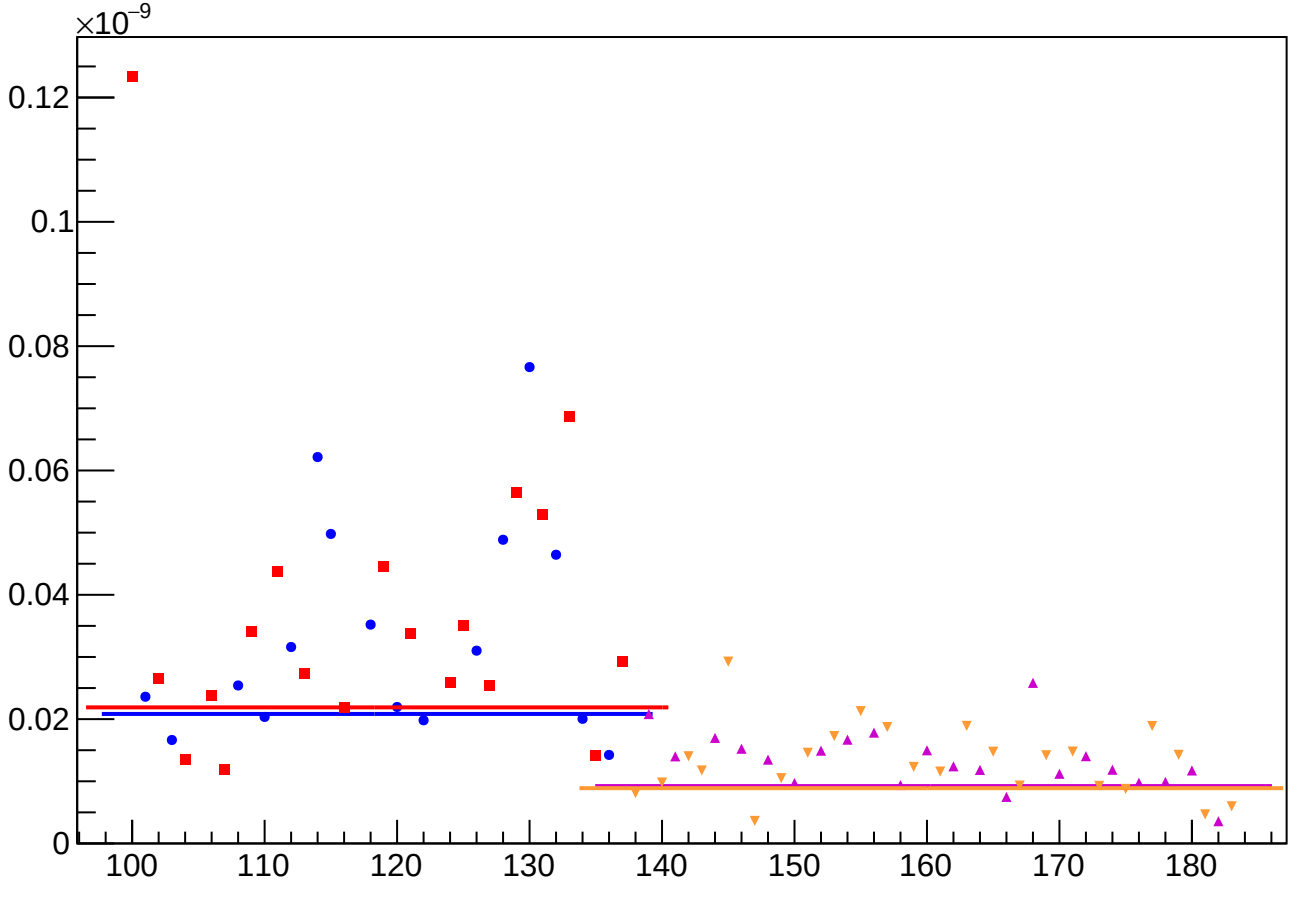
Left: -0.000+/-0.000 χ^2/NDF: 56.1/45

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:38.8/42

All: -0.000+/-0.000 χ^2/NDF: 88.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5044102.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:5066045.5/21

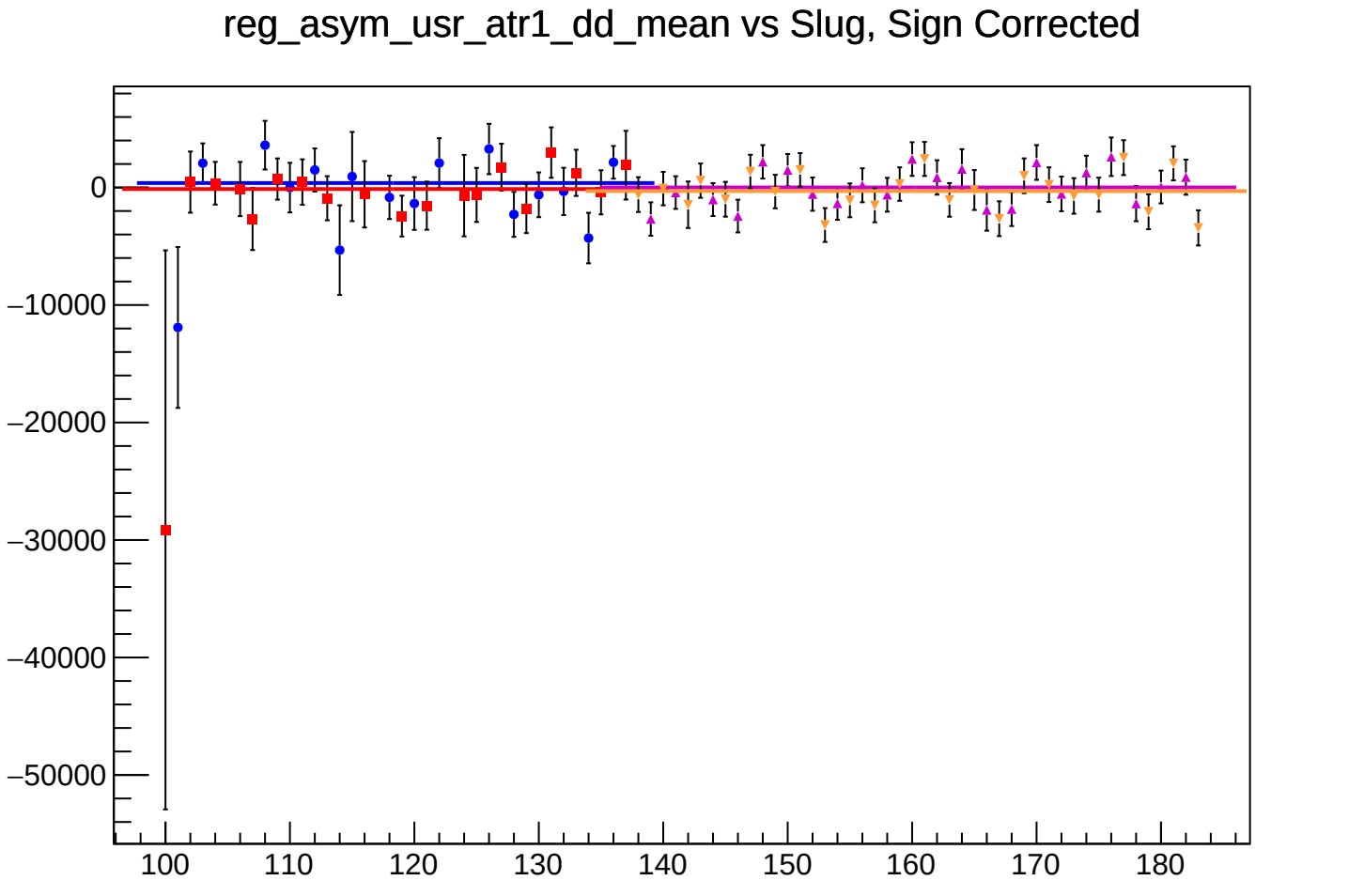
Left: 0.000+/-0.000 χ^2/NDF: 10123122.6/45

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:9201023.6/42

All: 0.000+/-0.000 χ^2/NDF: 17639982.8/80



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -302.141+/-302.031 χ^2/NDF:28.6/23

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: 8.124+/-311.128 χ^2/NDF:25.7/21

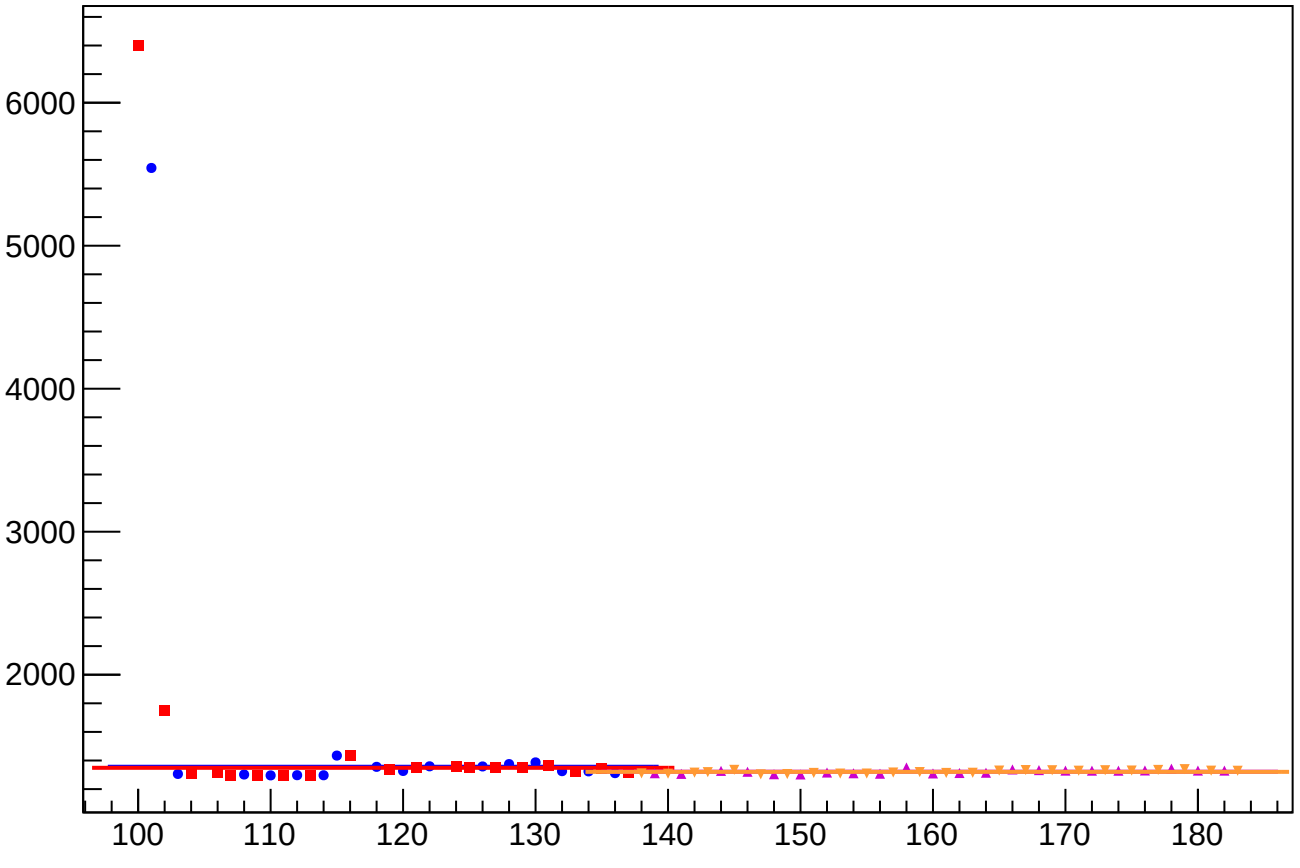
Left: -151.611+/-216.713 χ^2/NDF: 54.8/45

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 107.145+/-266.687 χ^2/NDF:47.6/37

Out: -255.702+/-258.661 χ^2/NDF:38.7/42

All: -79.820+/-185.673 χ^2/NDF: 87.2/80



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1320.717+/-0.214 χ^2/NDF:2601.4/23

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1321.658+/-0.220 χ^2/NDF:3533.2/21

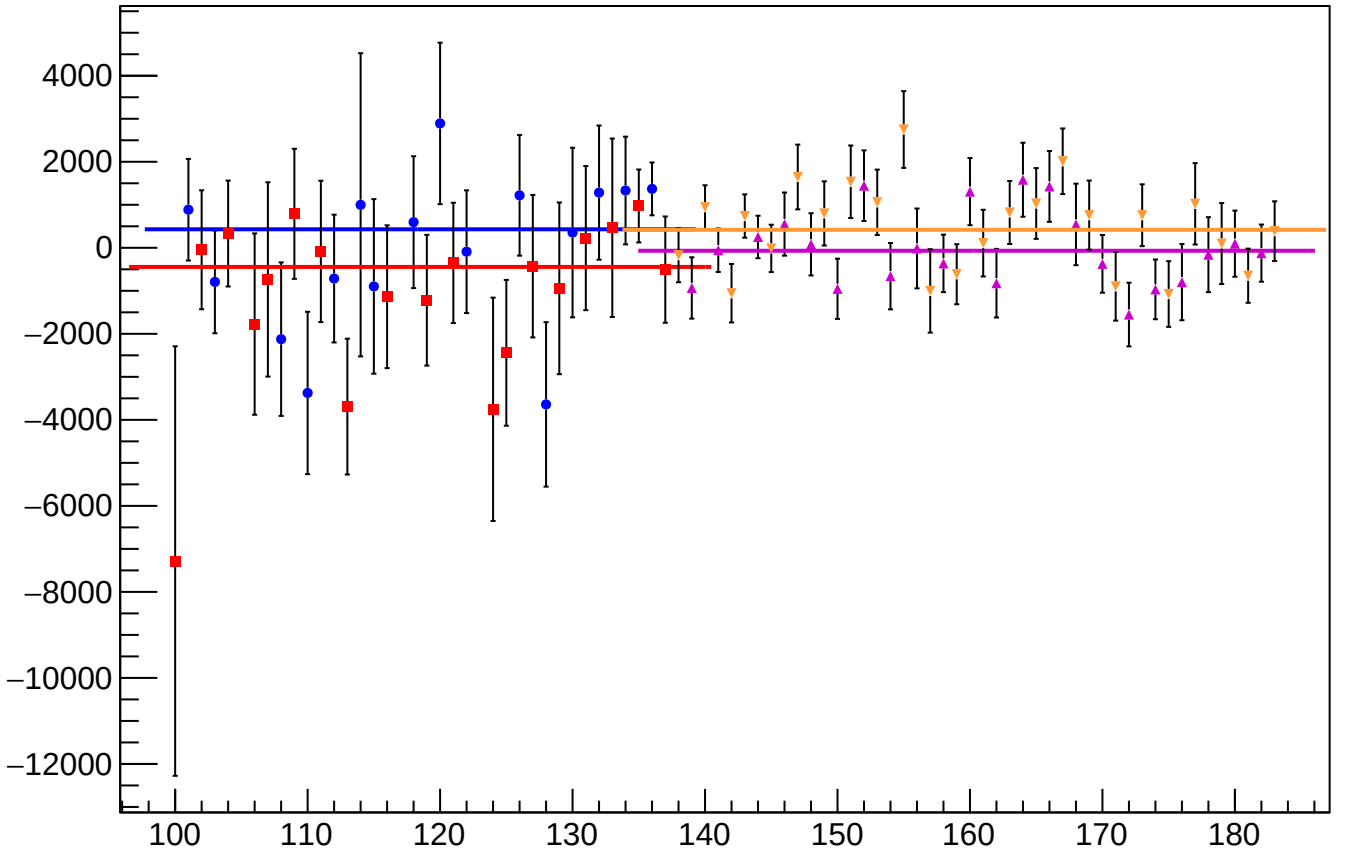
Left: 1321.173+/-0.153 χ^2/NDF: 6144.0/45

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.873+/-0.189 χ^2/NDF:770413.9/37

Out: 1328.249+/-0.183 χ^2/NDF:154533.8/42

All: 1329.521+/-0.131 χ^2/NDF: 925047.5/80



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 418.209+/-145.575 χ^2/NDF:39.9/23

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: 188.457+/-105.785 χ^2/NDF: 71.7/45

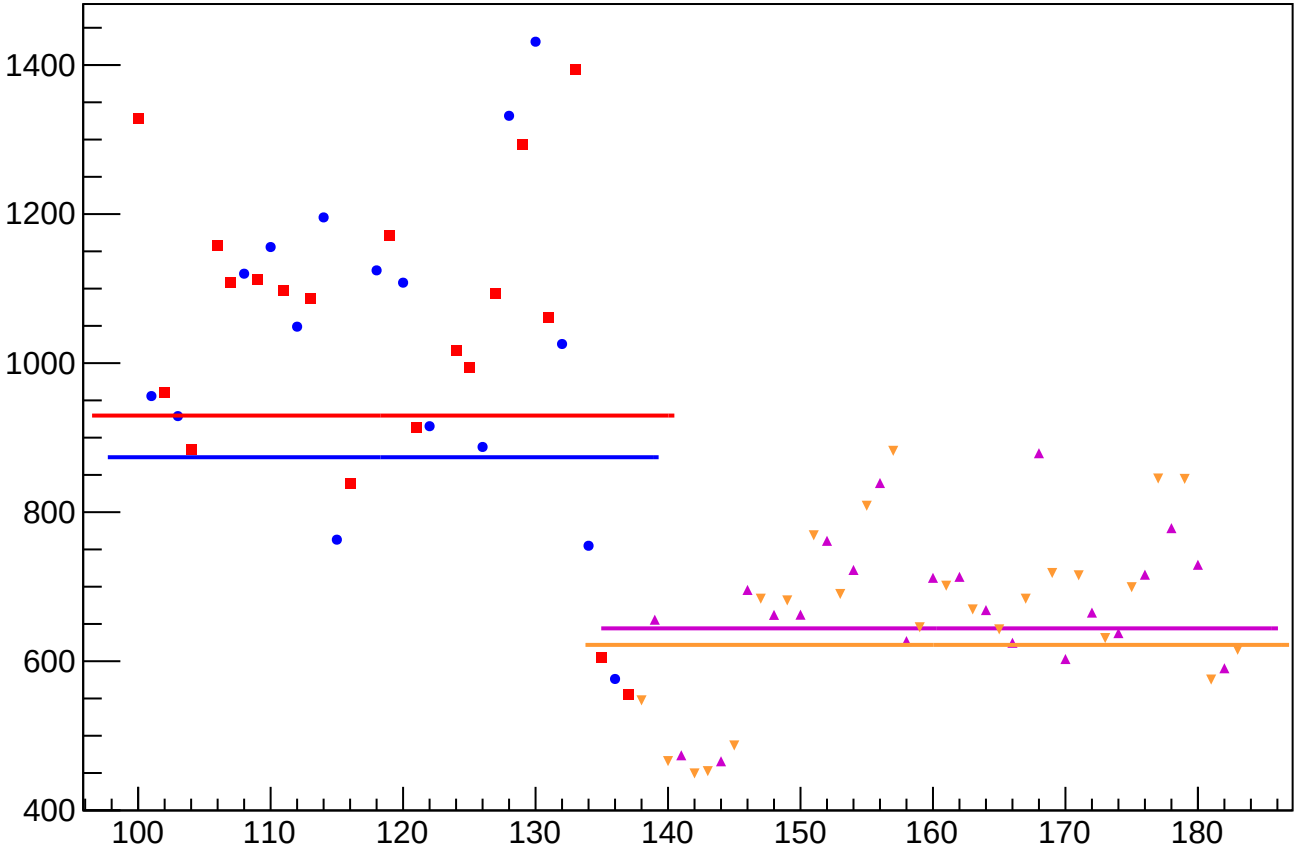
Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 16.965+/-140.159 χ^2/NDF:46.5/37

Out: 294.369+/-134.723 χ^2/NDF:59.4/42

All: 161.151+/-97.128 χ^2/NDF: 107.9/80

asym_usr_atr1_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 621.916+/-0.103 χ^2/NDF:1383465.4/23

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 644.087+/-0.109 χ^2/NDF:915984.0/21

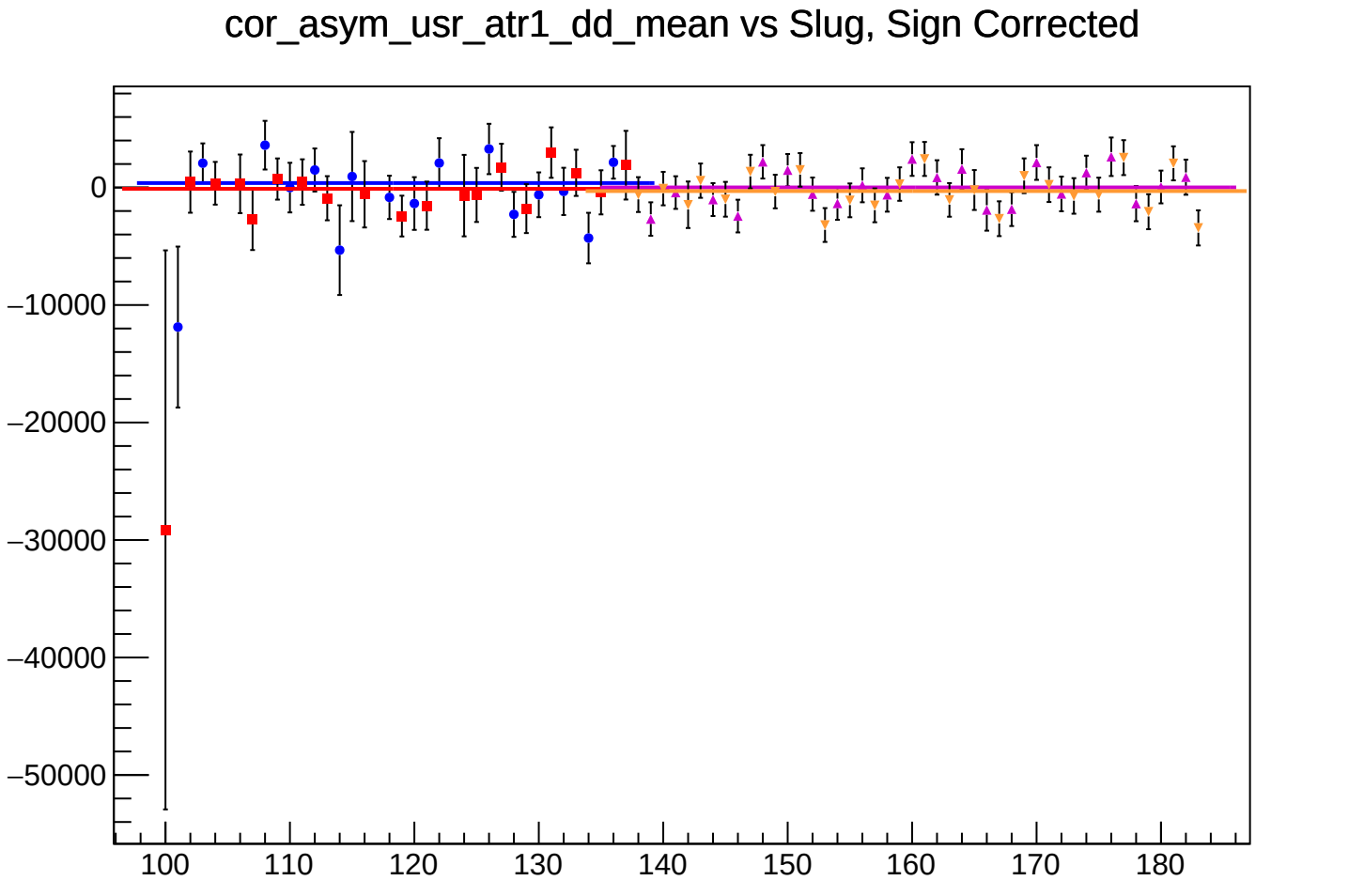
Left: 632.380+/-0.075 χ^2/NDF: 2321343.0/45

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 683.468+/-0.099 χ^2/NDF:2693682.5/37

Out: 666.086+/-0.095 χ^2/NDF:3526144.7/42

All: 674.434+/-0.069 χ^2/NDF: 6235815.0/80



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -302.152+/-302.031 χ^2/NDF:28.6/23

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: -151.640+/-216.713 χ^2/NDF: 54.8/45

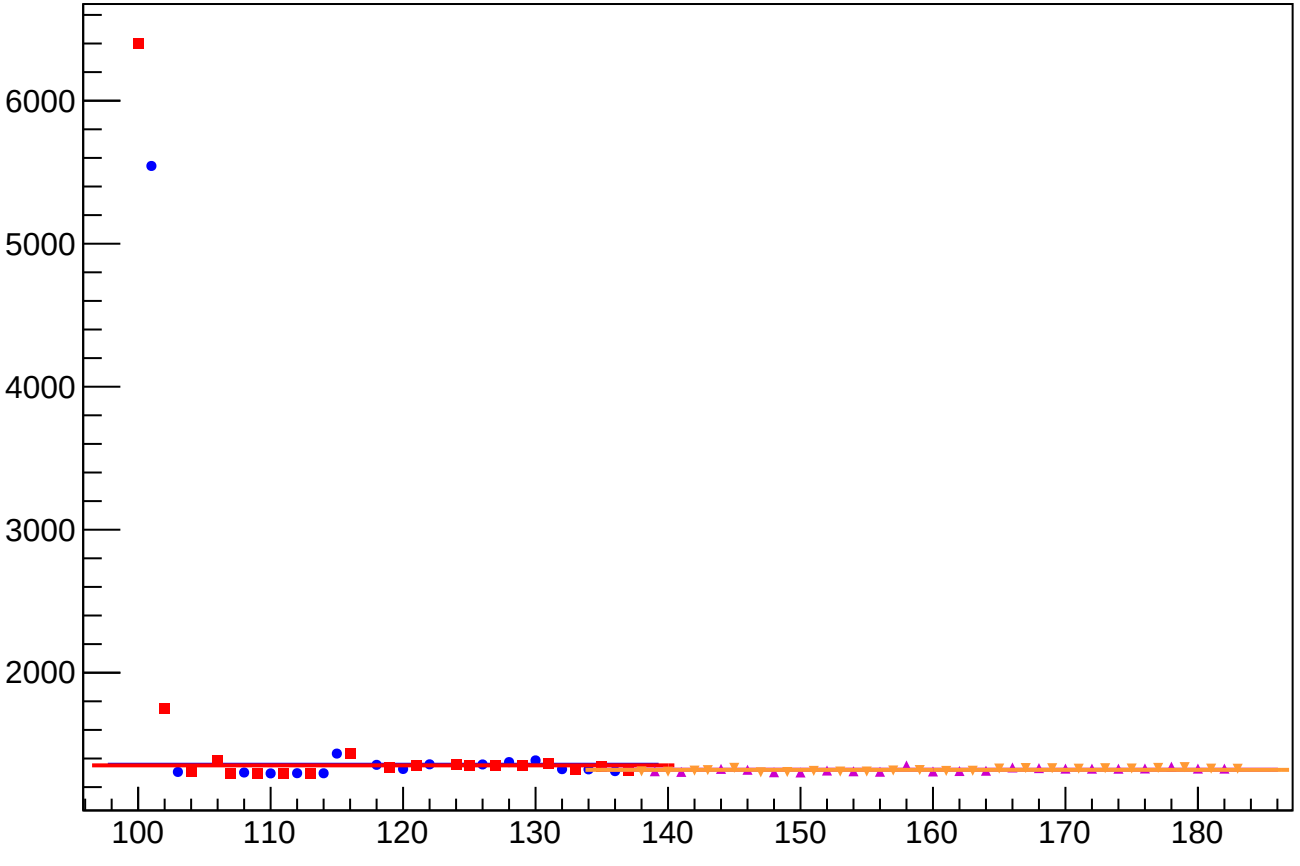
Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 107.192+/-266.687 χ^2/NDF:47.6/37

Out: -251.261+/-258.896 χ^2/NDF:38.8/42

All: -77.347+/-185.760 χ^2/NDF: 87.2/80

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1320.717+/-0.214 χ^2/NDF:2601.4/23

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1321.658+/-0.220 χ^2/NDF:3533.2/21

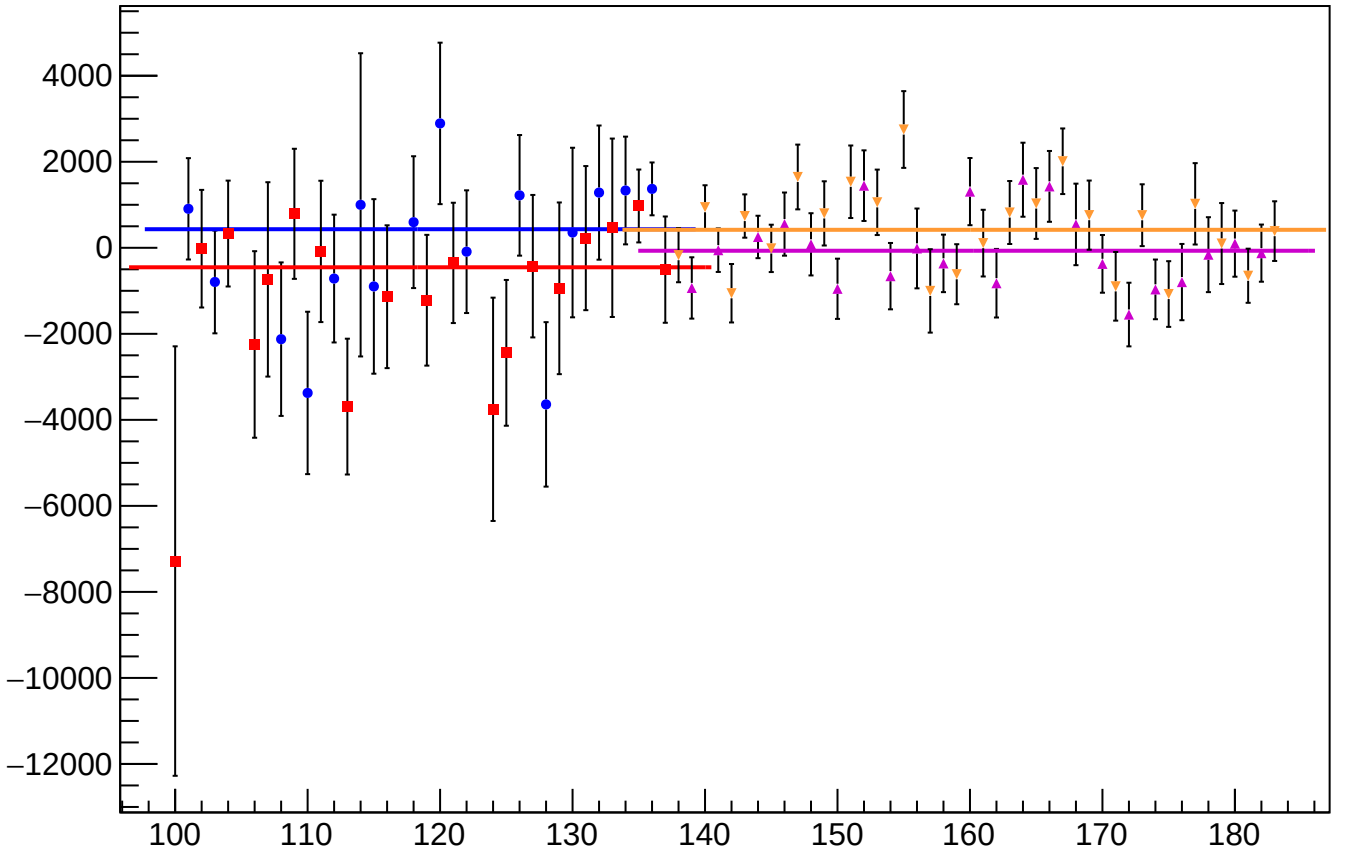
Left: 1321.173+/-0.153 χ^2/NDF: 6144.0/45

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.873+/-0.189 χ^2/NDF:770413.0/37

Out: 1329.036+/-0.183 χ^2/NDF:155649.3/42

All: 1329.928+/-0.131 χ^2/NDF: 926111.1/80



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 418.178+/-145.575 χ^2/NDF:39.9/23

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -68.586+/-153.982 χ^2/NDF:26.5/21

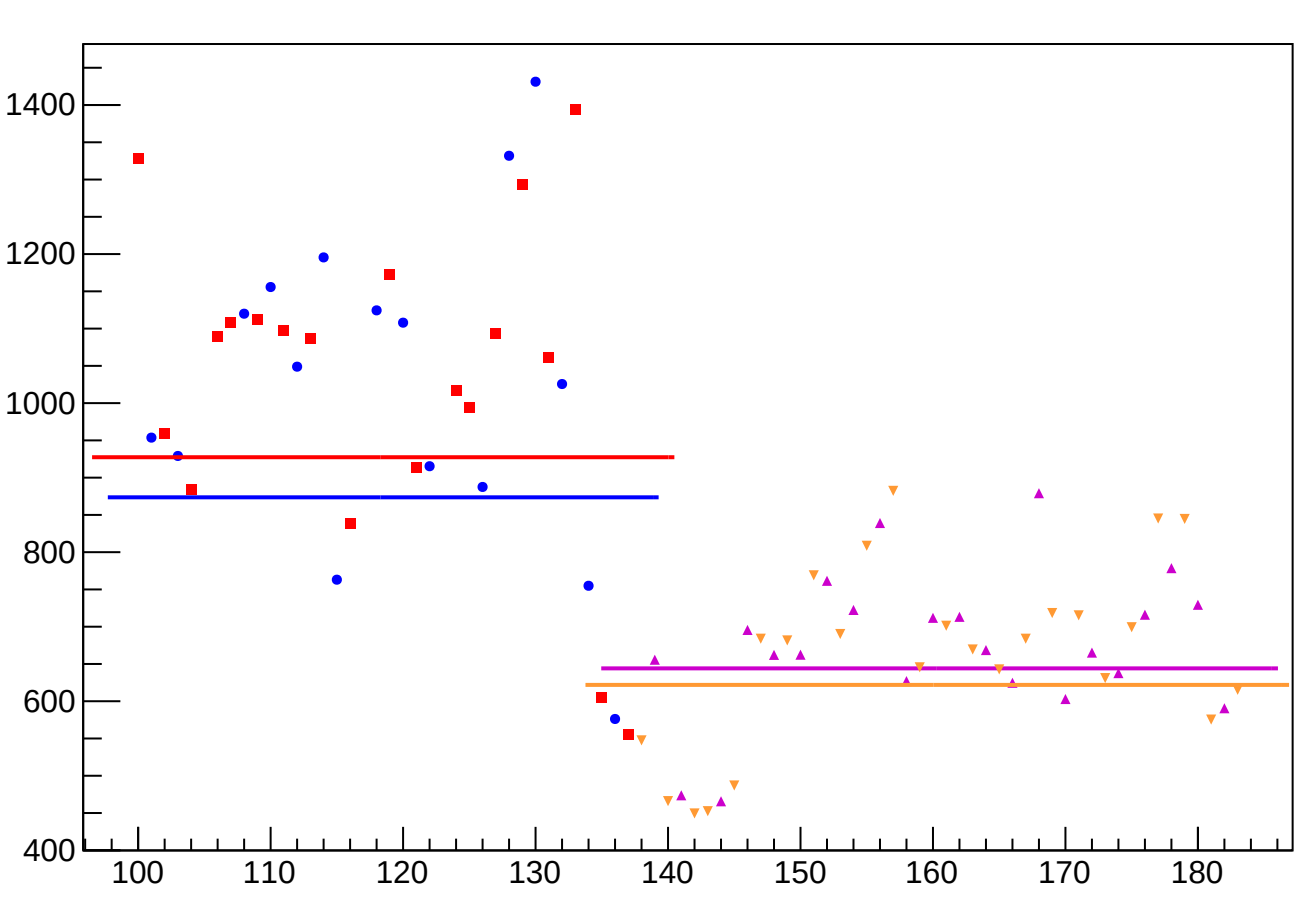
Left: 188.445+/-105.784 χ^2/NDF: 71.7/45

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 17.304+/-140.154 χ^2/NDF:46.5/37

Out: 293.127+/-134.723 χ^2/NDF:59.8/42

All: 160.663+/-97.127 χ^2/NDF: 108.3/80



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 621.917+/-0.103 χ^2/NDF:1383365.8/23

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 644.083+/-0.109 χ^2/NDF:916027.1/21

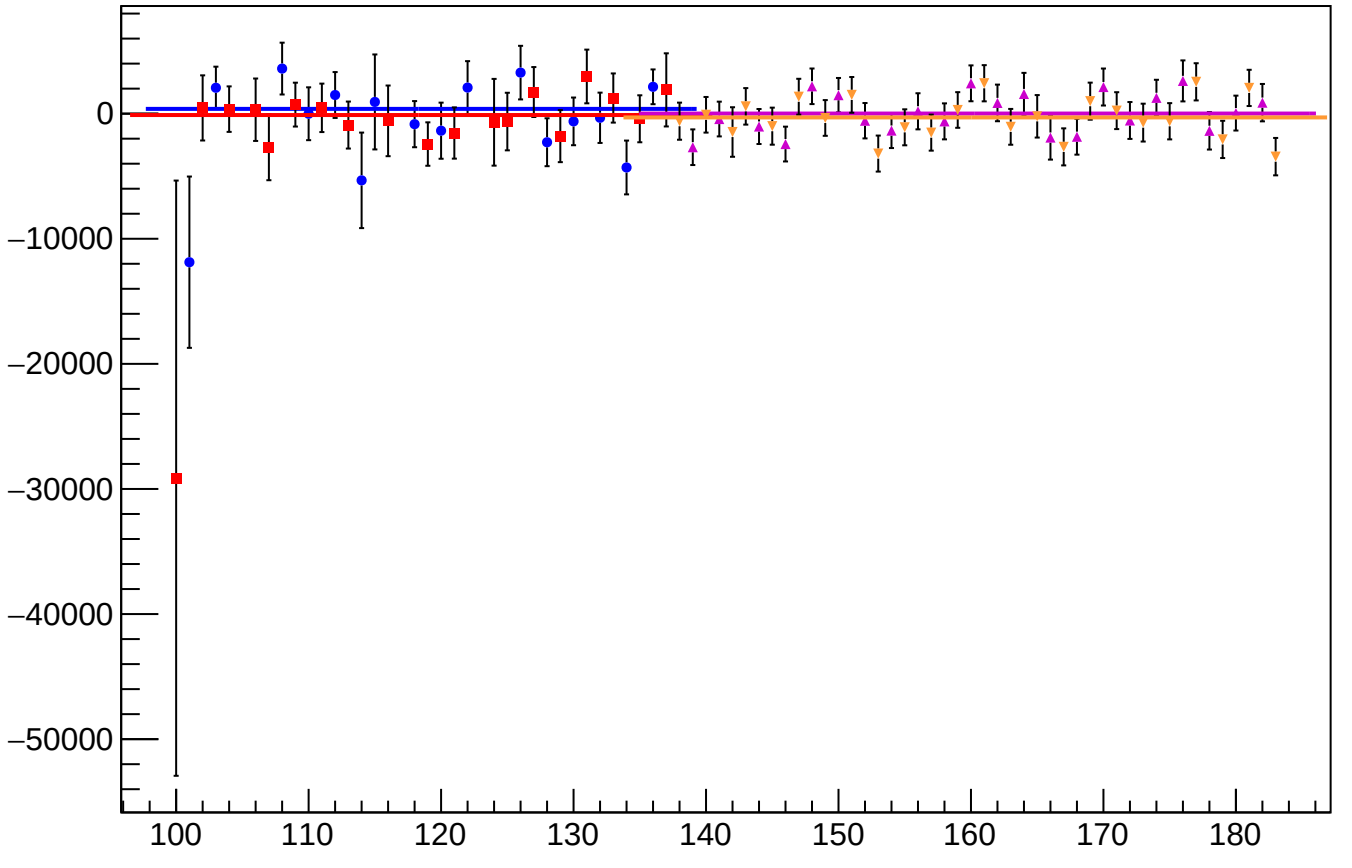
Left: 632.378+/-0.075 χ^2/NDF: 2321276.7/45

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 683.453+/-0.099 χ^2/NDF:2692674.7/37

Out: 665.766+/-0.095 χ^2/NDF:3494937.6/42

All: 674.260+/-0.069 χ^2/NDF: 6204168.0/80



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -302.152+/-302.031 χ^2/NDF:28.6/23

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: 8.075+/-311.128 χ^2/NDF:25.7/21

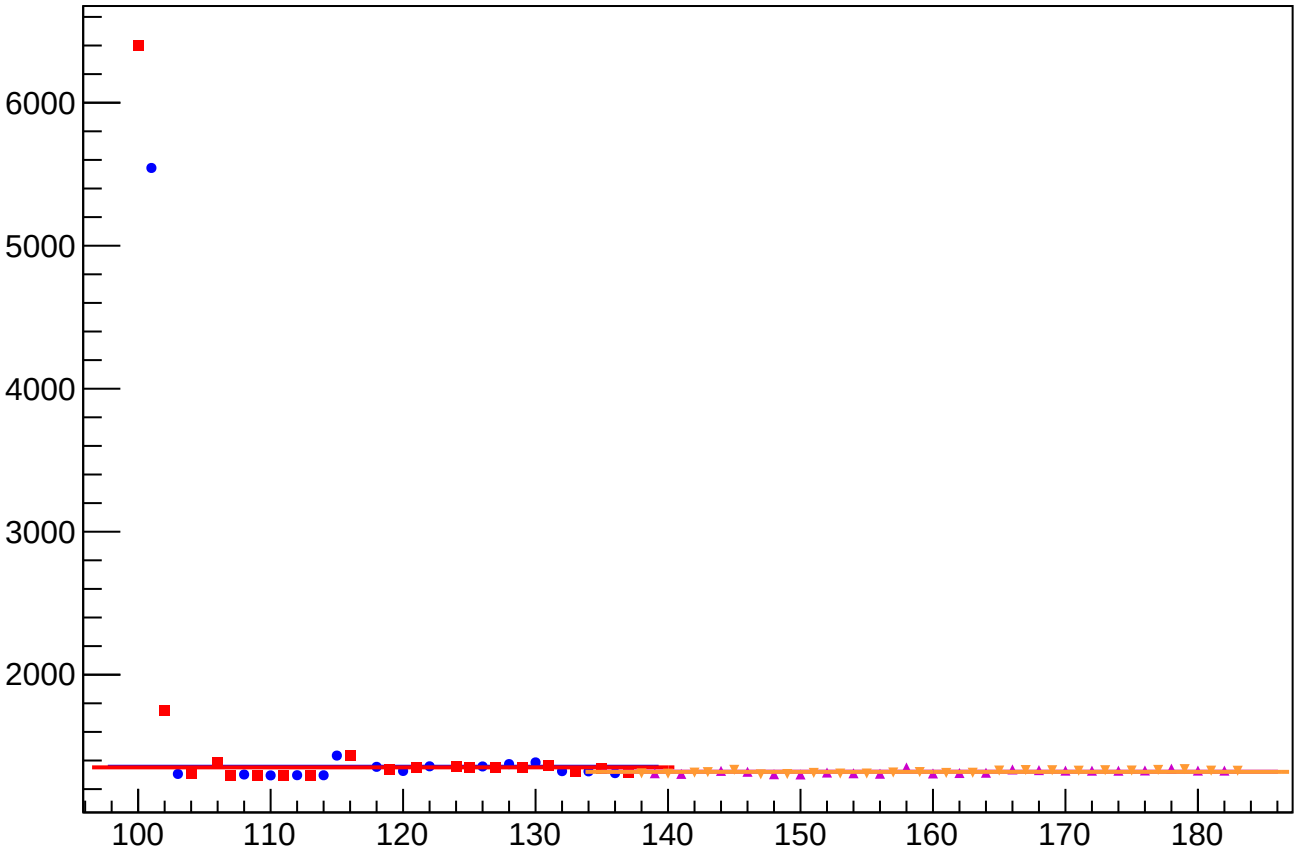
Left: -151.640+/-216.713 χ^2/NDF: 54.8/45

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 107.192+/-266.687 χ^2/NDF:47.6/37

Out: -251.261+/-258.896 χ^2/NDF:38.8/42

All: -77.347+/-185.760 χ^2/NDF: 87.2/80



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1320.717+/-0.214 χ^2/NDF:2601.4/23

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1321.658+/-0.220 χ^2/NDF:3533.2/21

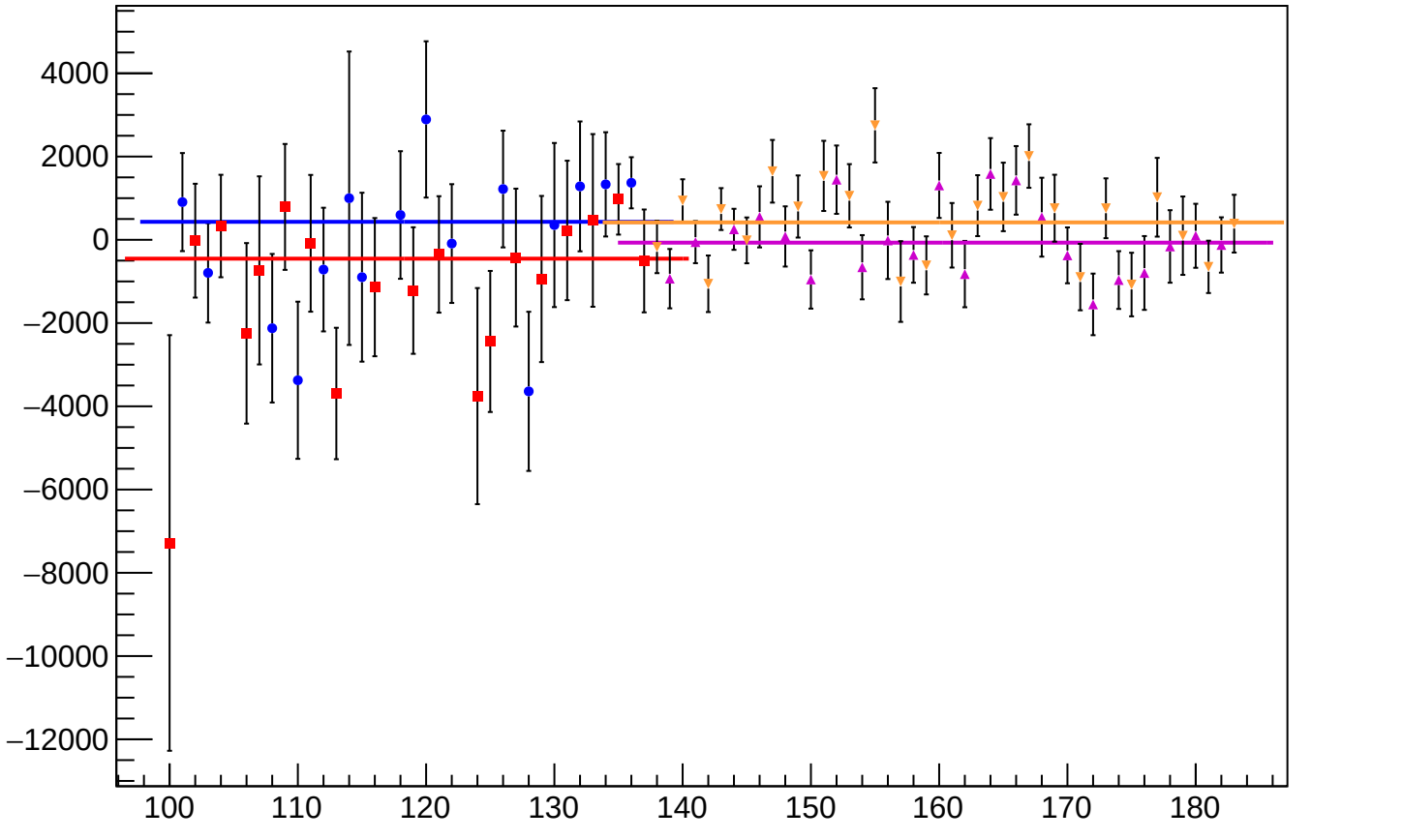
Left: 1321.173+/-0.153 χ^2/NDF: 6144.0/45

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.873+/-0.189 χ^2/NDF:770413.0/37

Out: 1329.036+/-0.183 χ^2/NDF:155649.3/42

All: 1329.928+/-0.131 χ^2/NDF: 926111.1/80



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 418.178+/-145.575 χ^2/NDF:39.9/23

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -68.586+/-153.982 χ^2/NDF:26.5/21

Left: 188.445+/-105.784 χ^2/NDF: 71.7/45

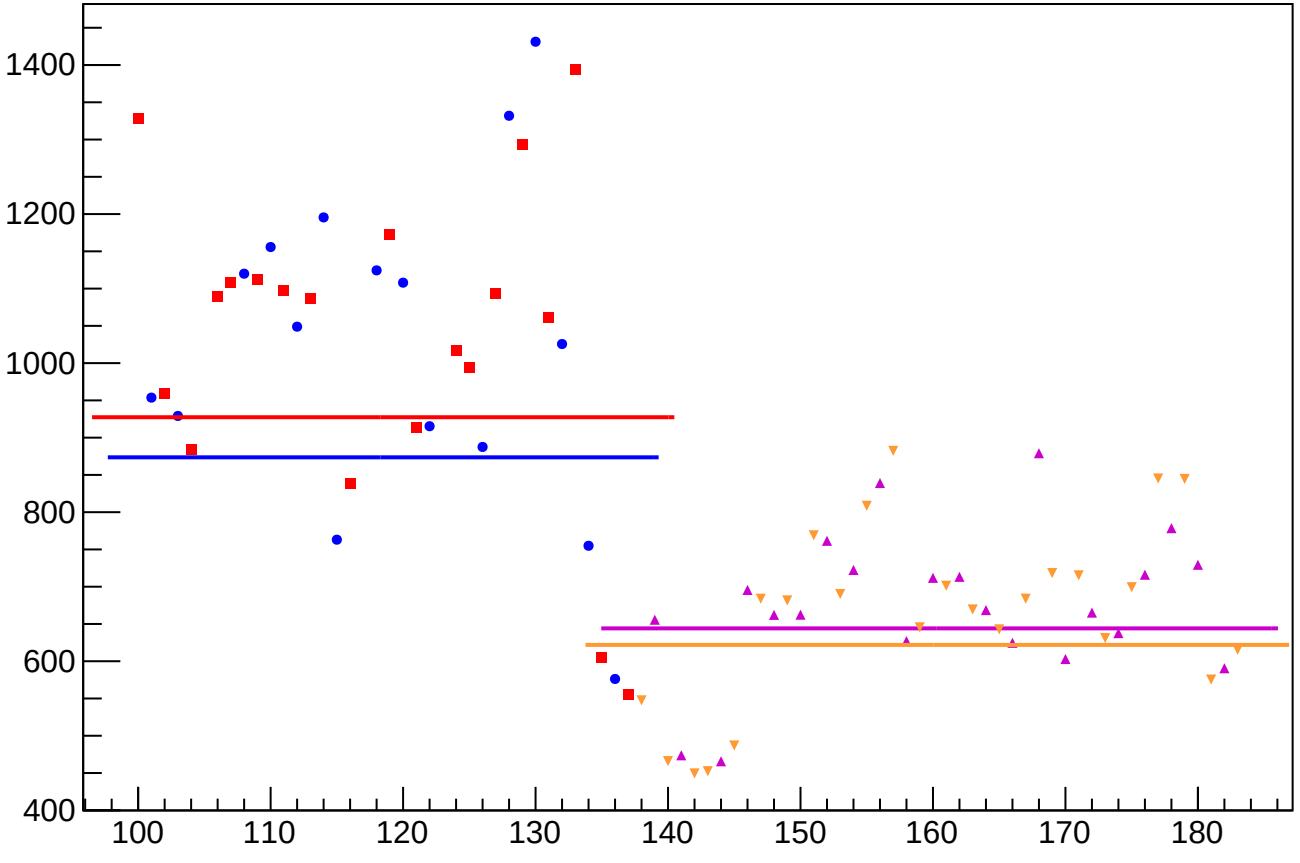
Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 17.304+/-140.154 χ^2/NDF:46.5/37

Out: 293.127+/-134.723 χ^2/NDF:59.8/42

All: 160.663+/-97.127 χ^2/NDF: 108.3/80

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: 621.917+/-0.103 χ^2/NDF:1383365.8/23

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 644.083+/-0.109 χ^2/NDF:916027.1/21

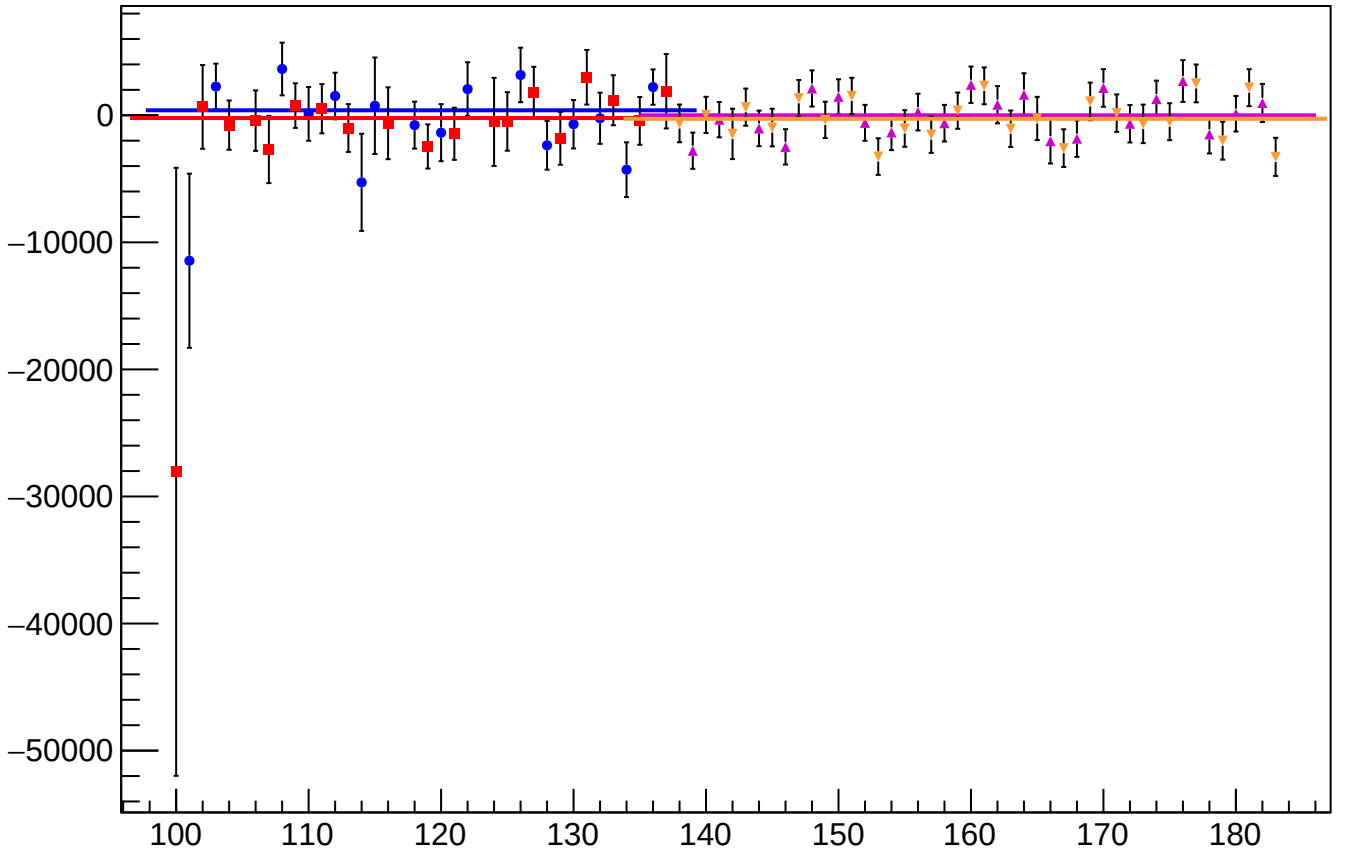
Left: 632.378+/-0.075 χ^2/NDF: 2321276.7/45

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 683.453+/-0.099 χ^2/NDF:2692674.7/37

Out: 665.766+/-0.095 χ^2/NDF:3494937.6/42

All: 674.260+/-0.069 χ^2/NDF: 6204168.0/80



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -277.954+/-302.407 χ^2/NDF:28.0/23

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: -145.357+/-216.974 χ^2/NDF: 54.9/45

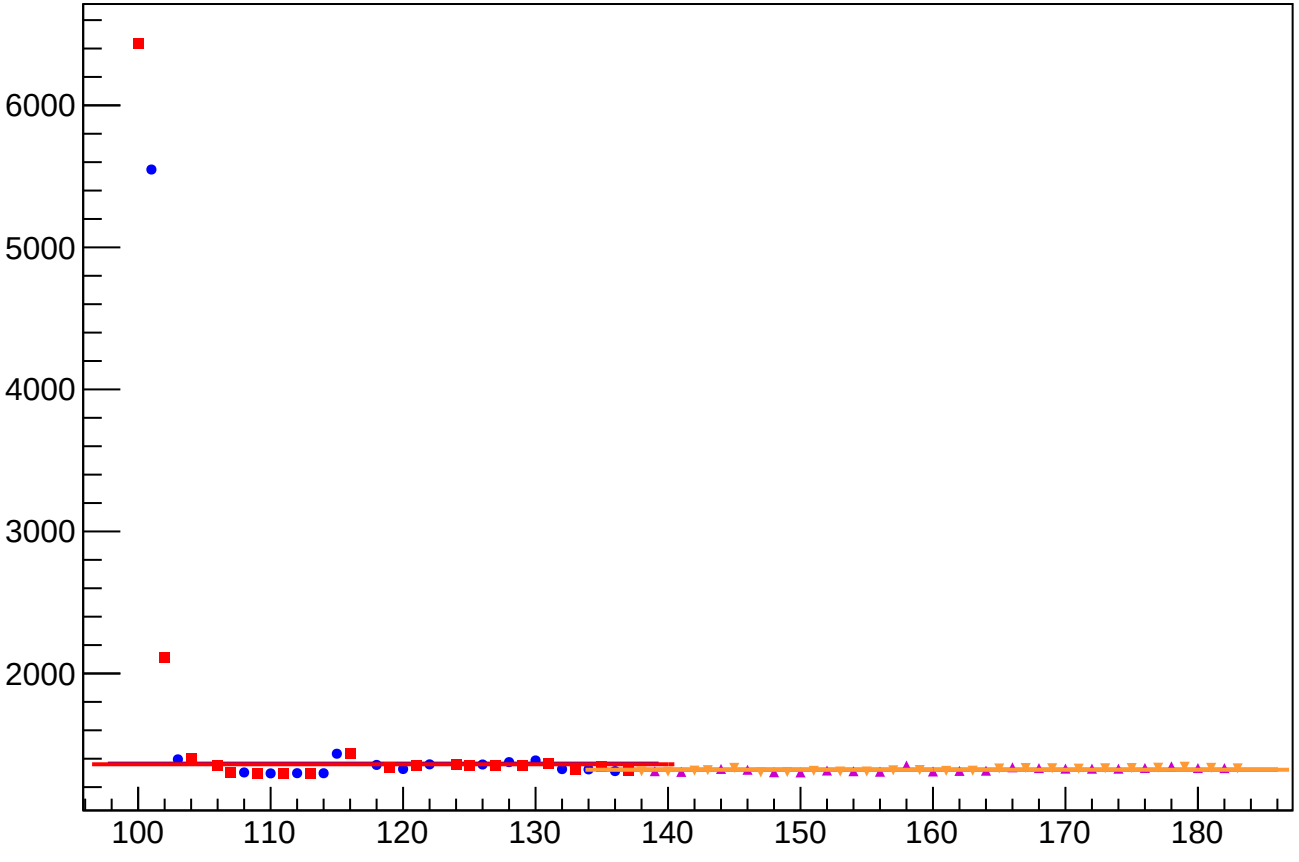
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 99.194+/-267.374 χ^2/NDF:48.3/37

Out: -262.312+/-259.840 χ^2/NDF:38.0/42

All: -86.724+/-186.341 χ^2/NDF: 87.3/80

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1322.353+/-0.214 χ^2/NDF:2931.5/23

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1323.195+/-0.220 χ^2/NDF:3830.4/21

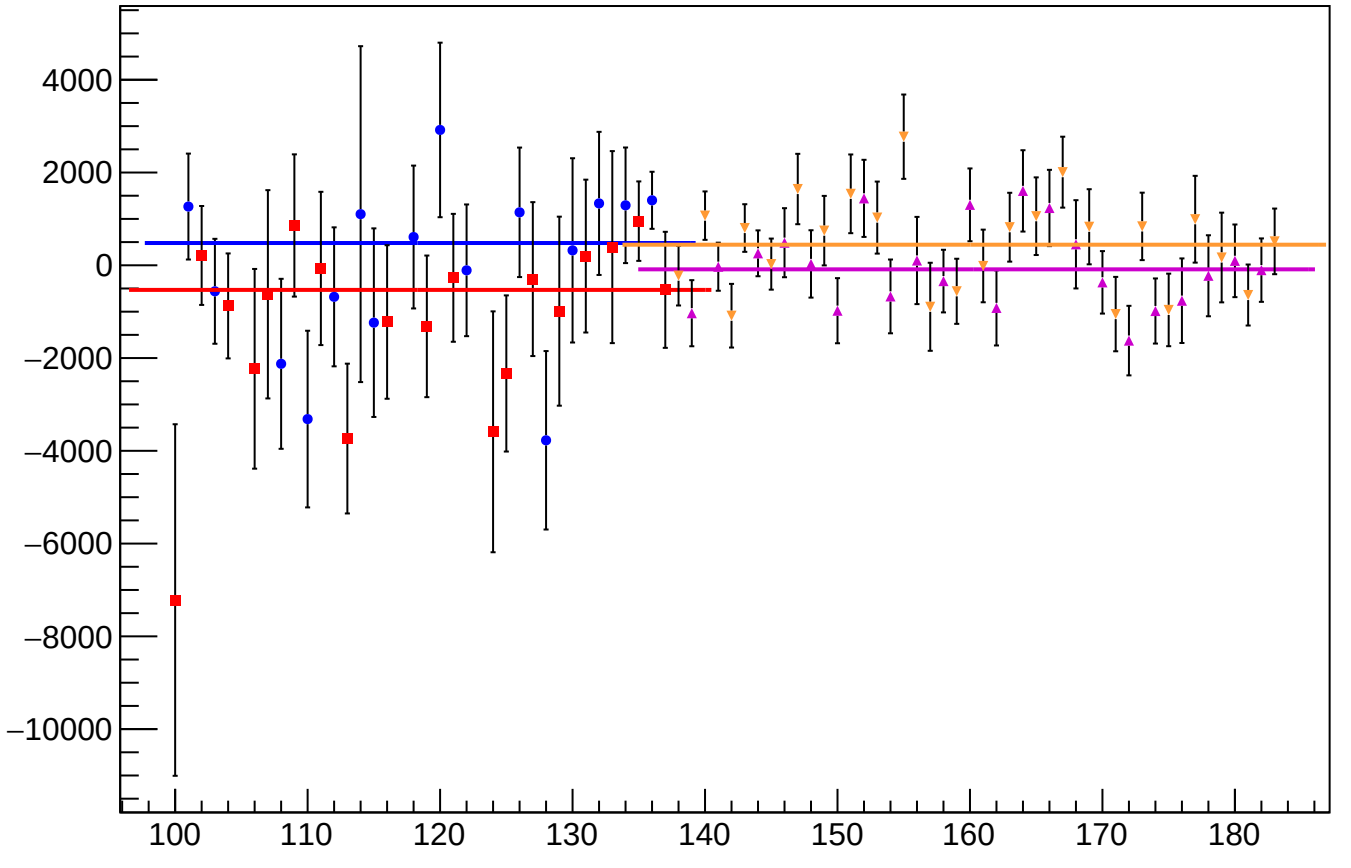
Left: 1322.762+/-0.153 χ^2/NDF: 6769.4/45

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1334.278+/-0.189 χ^2/NDF:772394.2/37

Out: 1332.407+/-0.184 χ^2/NDF:216694.0/42

All: 1333.316+/-0.132 χ^2/NDF: 989138.6/80



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 443.944+/-147.556 χ^2/NDF:39.8/23

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -87.287+/-155.811 χ^2/NDF:26.1/21

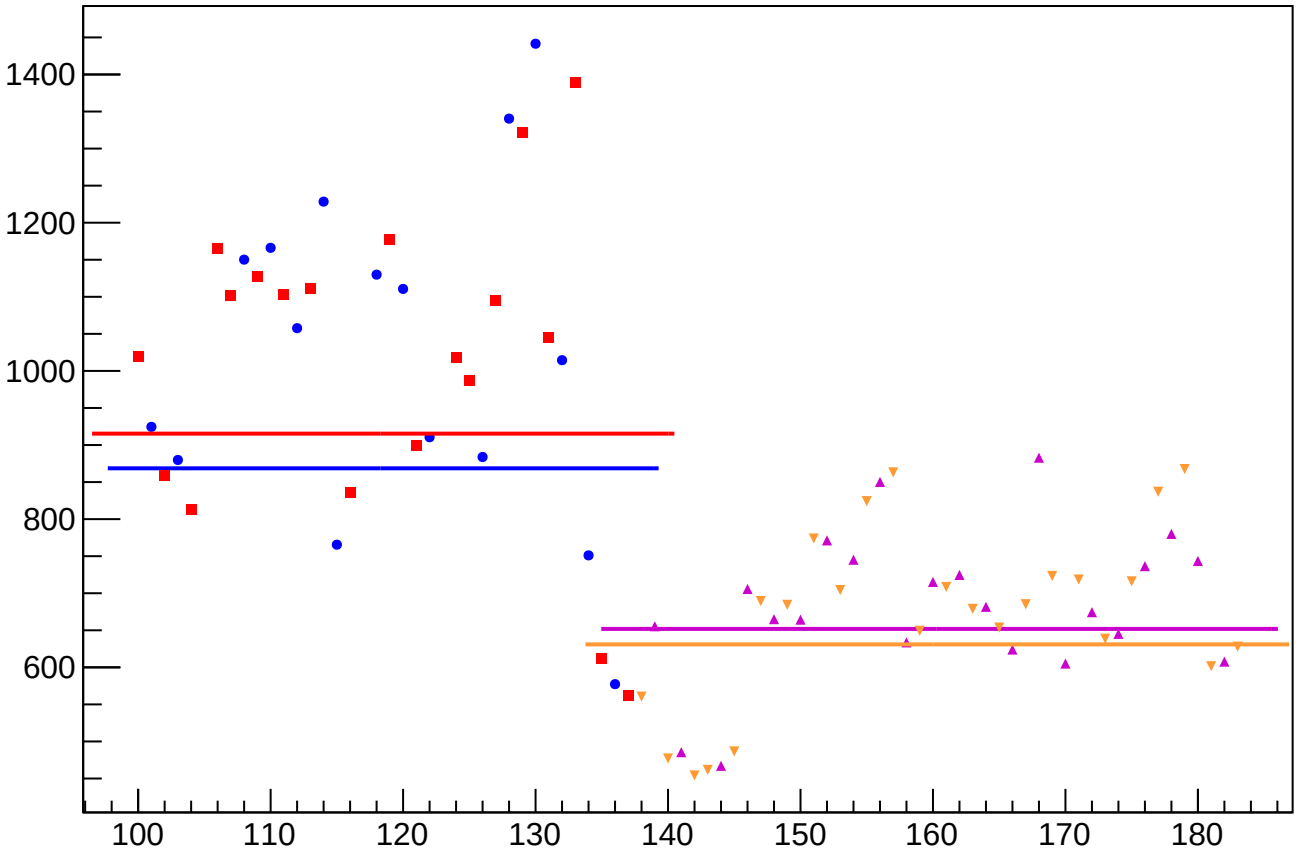
Left: 192.774+/-107.137 χ^2/NDF: 72.0/45

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 12.928+/-141.391 χ^2/NDF:47.0/37

Out: 294.065+/-135.735 χ^2/NDF:62.1/42

All: 159.232+/-97.918 χ^2/NDF: 111.2/80



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 630.973+/-0.104 χ^2/NDF:1327709.8/23

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 651.885+/-0.110 χ^2/NDF:915747.9/21

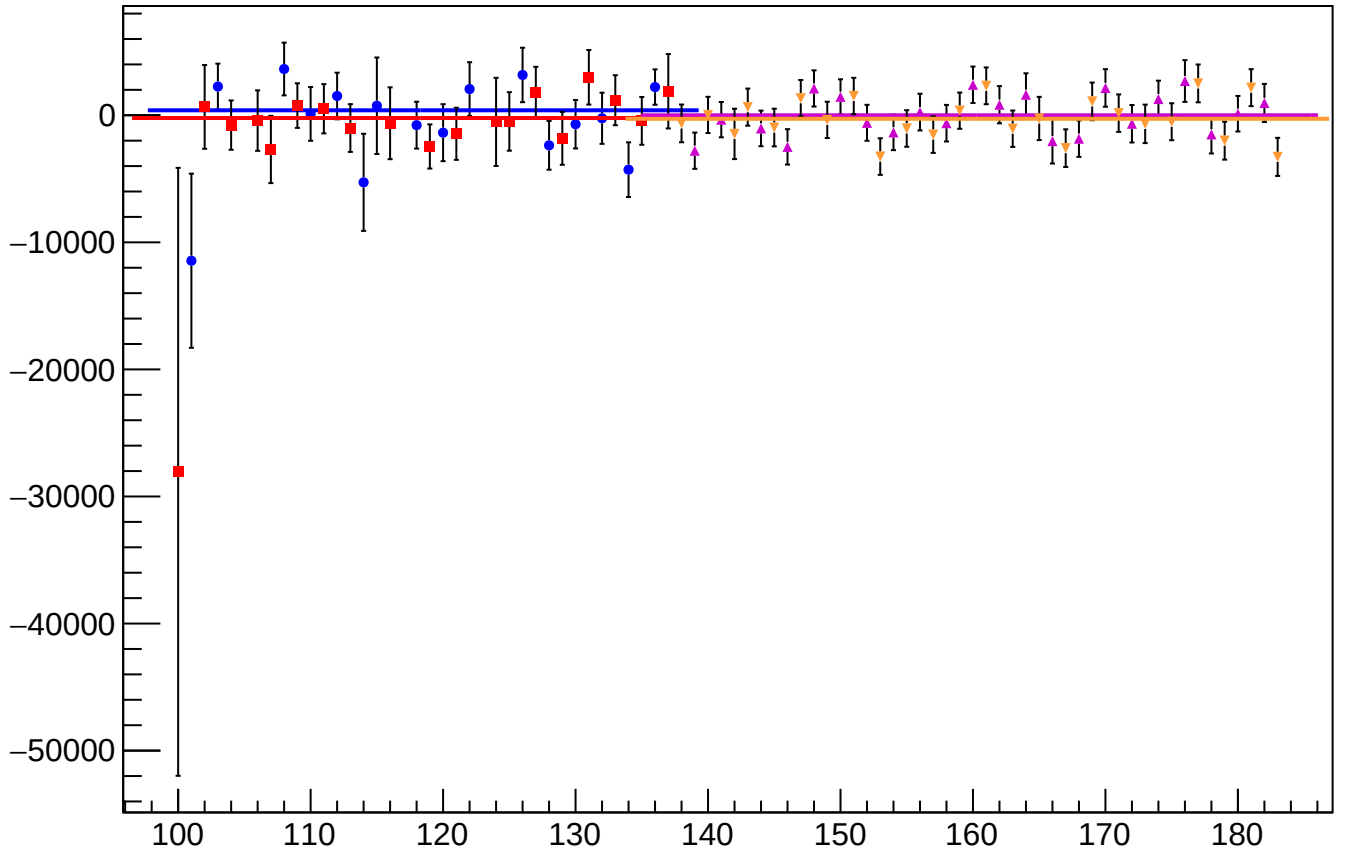
Left: 640.860+/-0.076 χ^2/NDF: 2262450.5/45

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 690.137+/-0.100 χ^2/NDF:2619930.3/37

Out: 674.713+/-0.096 χ^2/NDF:3329247.6/42

All: 682.110+/-0.069 χ^2/NDF: 5961563.6/80



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -277.955+/-302.407 χ^2/NDF:28.0/23

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -4.673+/-311.491 χ^2/NDF:26.5/21

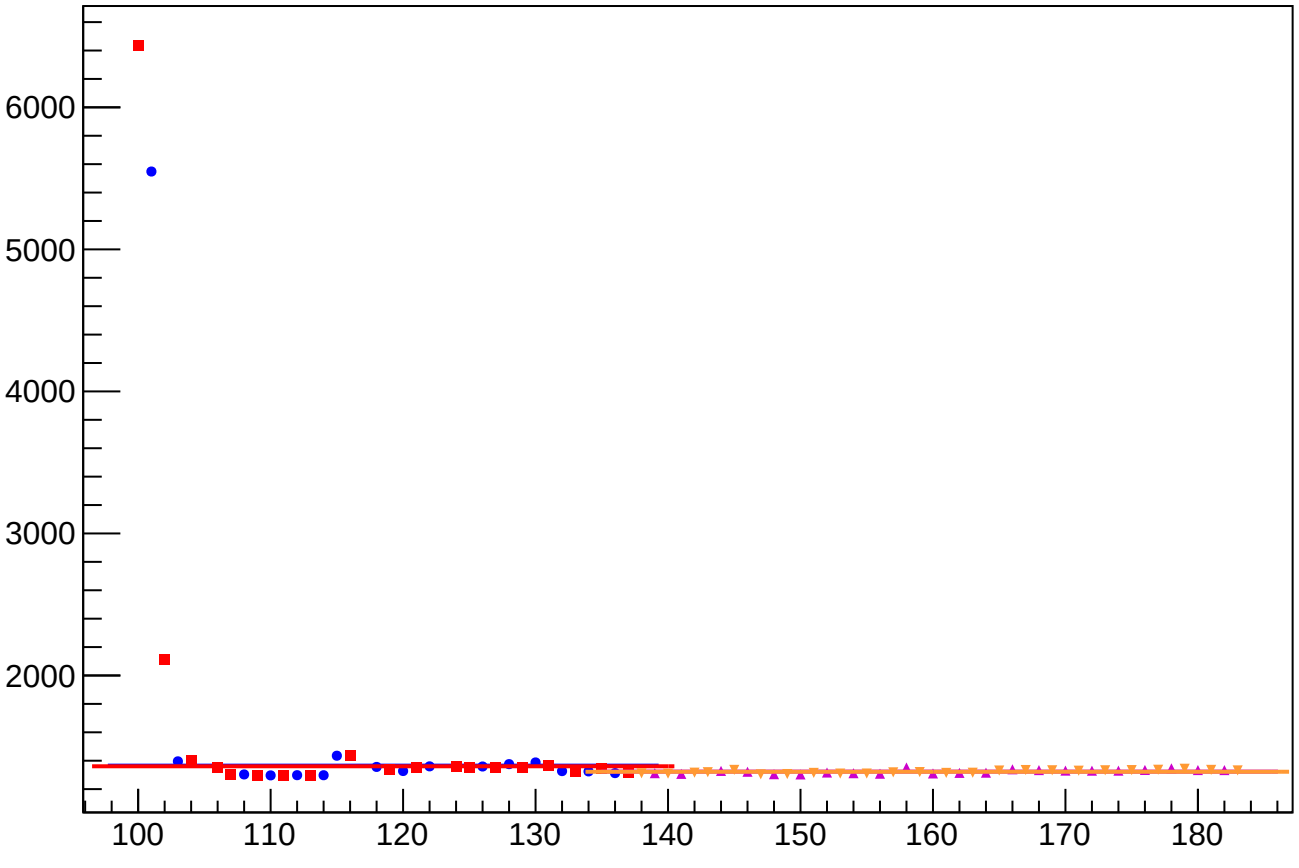
Left: -145.358+/-216.974 χ^2/NDF: 54.9/45

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 99.194+/-267.374 χ^2/NDF:48.3/37

Out: -262.313+/-259.840 χ^2/NDF:38.0/42

All: -86.724+/-186.341 χ^2/NDF: 87.3/80



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1322.353+/-0.214 χ^2/NDF:2931.4/23

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1323.195+/-0.220 χ^2/NDF:3830.4/21

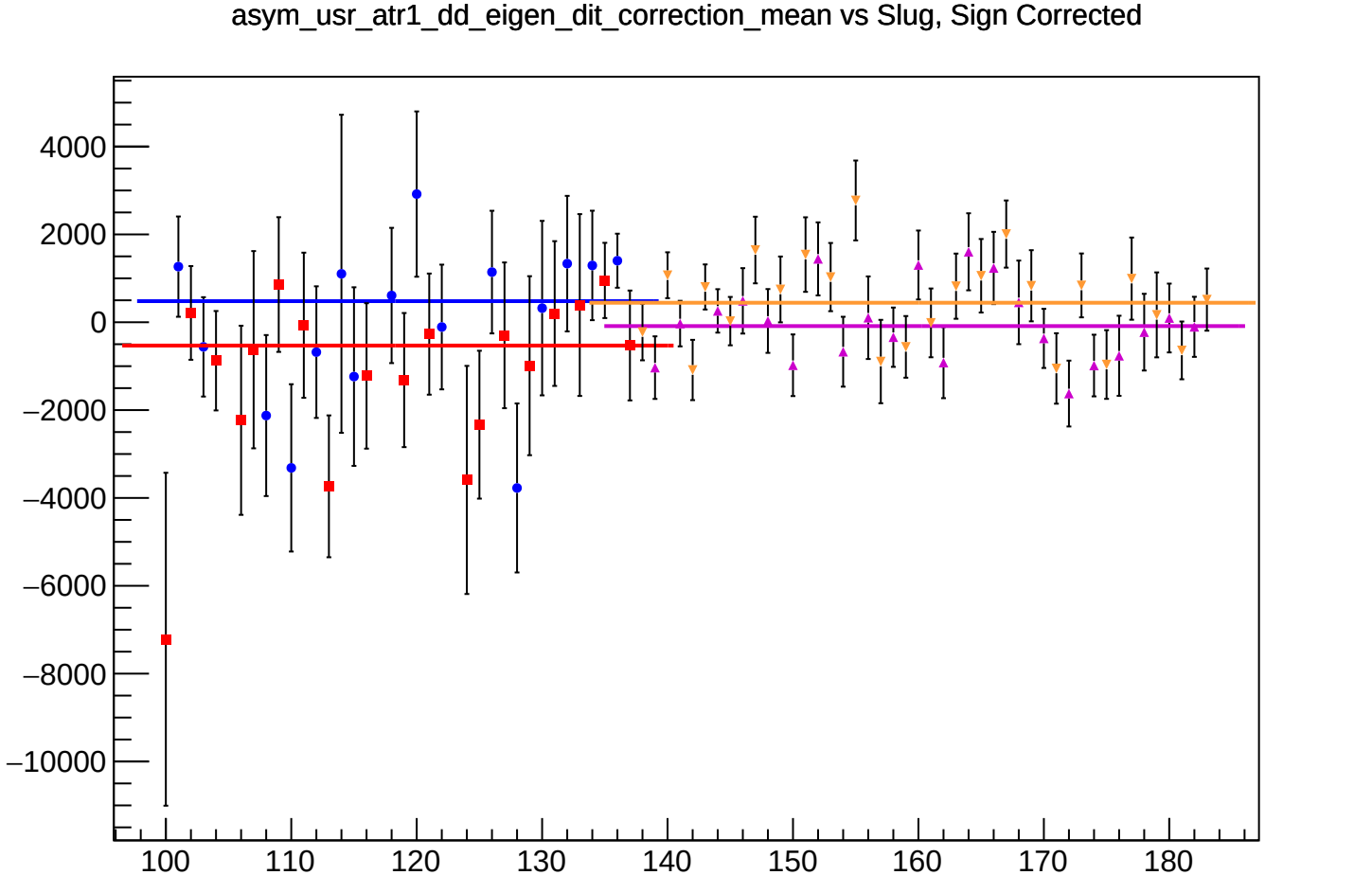
Left: 1322.762+/-0.153 χ^2/NDF: 6769.4/45

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1334.278+/-0.189 χ^2/NDF:772394.2/37

Out: 1332.407+/-0.184 χ^2/NDF:216693.9/42

All: 1333.316+/-0.132 χ^2/NDF: 989138.5/80



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 443.945+/-147.556 χ^2/NDF:39.8/23

Right Out: -530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: -87.287+/-155.812 χ^2/NDF:26.1/21

Left: 192.774+/-107.138 χ^2/NDF: 72.0/45

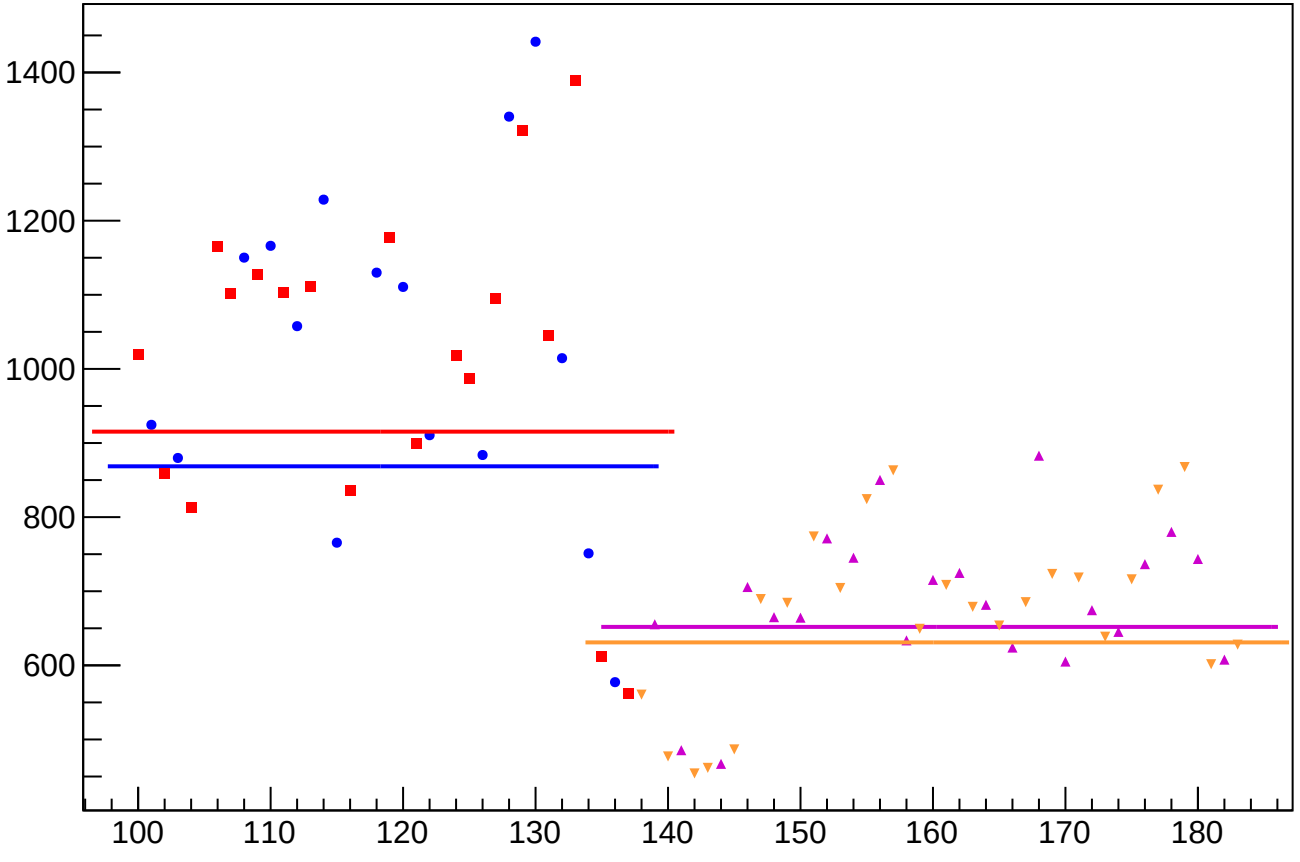
Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 12.929+/-141.391 χ^2/NDF:47.0/37

Out: 294.065+/-135.735 χ^2/NDF:62.1/42

All: 159.232+/-97.918 χ^2/NDF: 111.2/80

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: 630.973+/-0.104 χ^2/NDF:1327729.4/23

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: 640.861+/-0.076 χ^2/NDF: 2262480.7/45

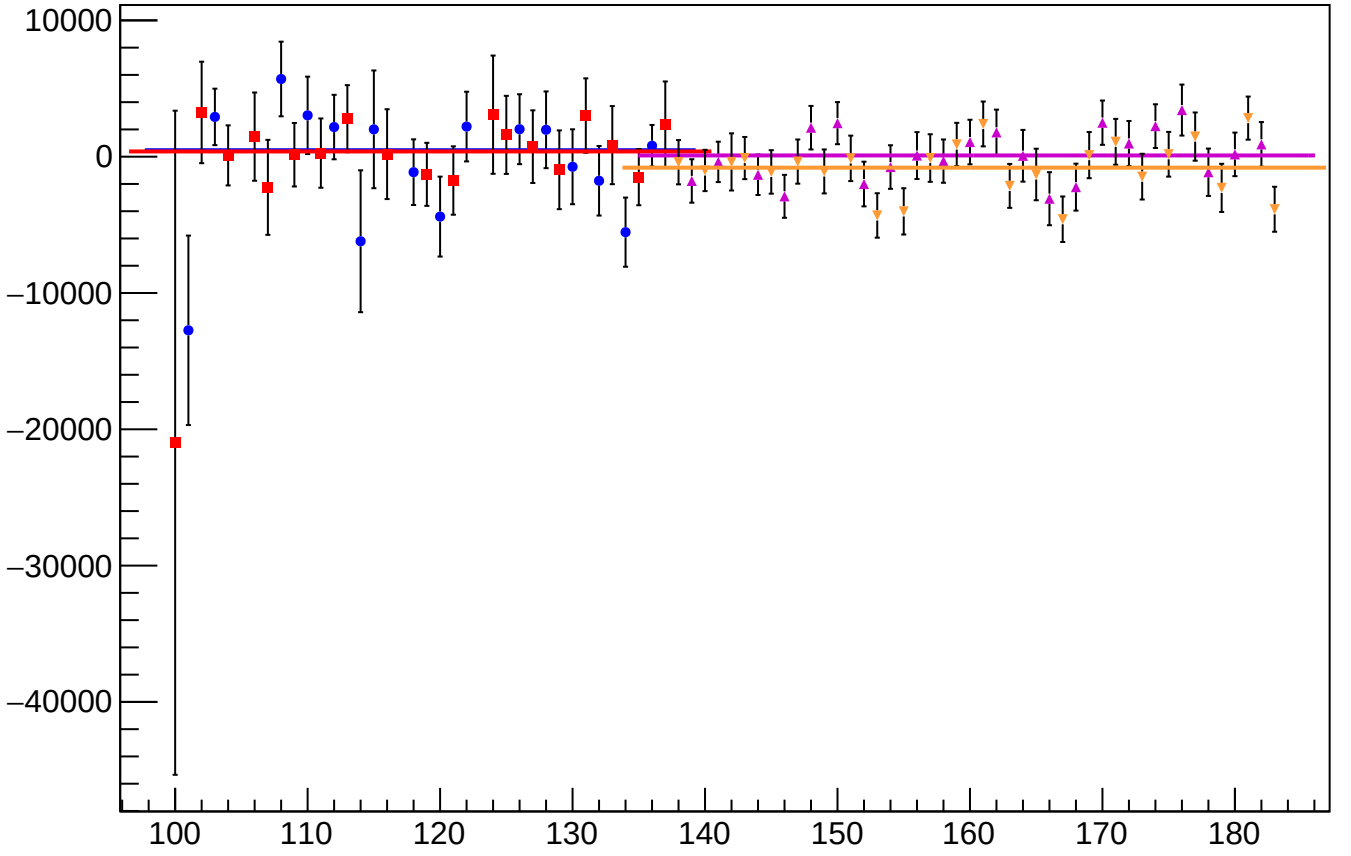
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 690.137+/-0.100 χ^2/NDF:2619919.4/37

Out: 674.713+/-0.096 χ^2/NDF:3329251.7/42

All: 682.111+/-0.069 χ^2/NDF: 5961557.2/80

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -805.483+/-339.931 χ^2/NDF:33.0/23

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: -370.698+/-243.995 χ^2/NDF: 62.4/45

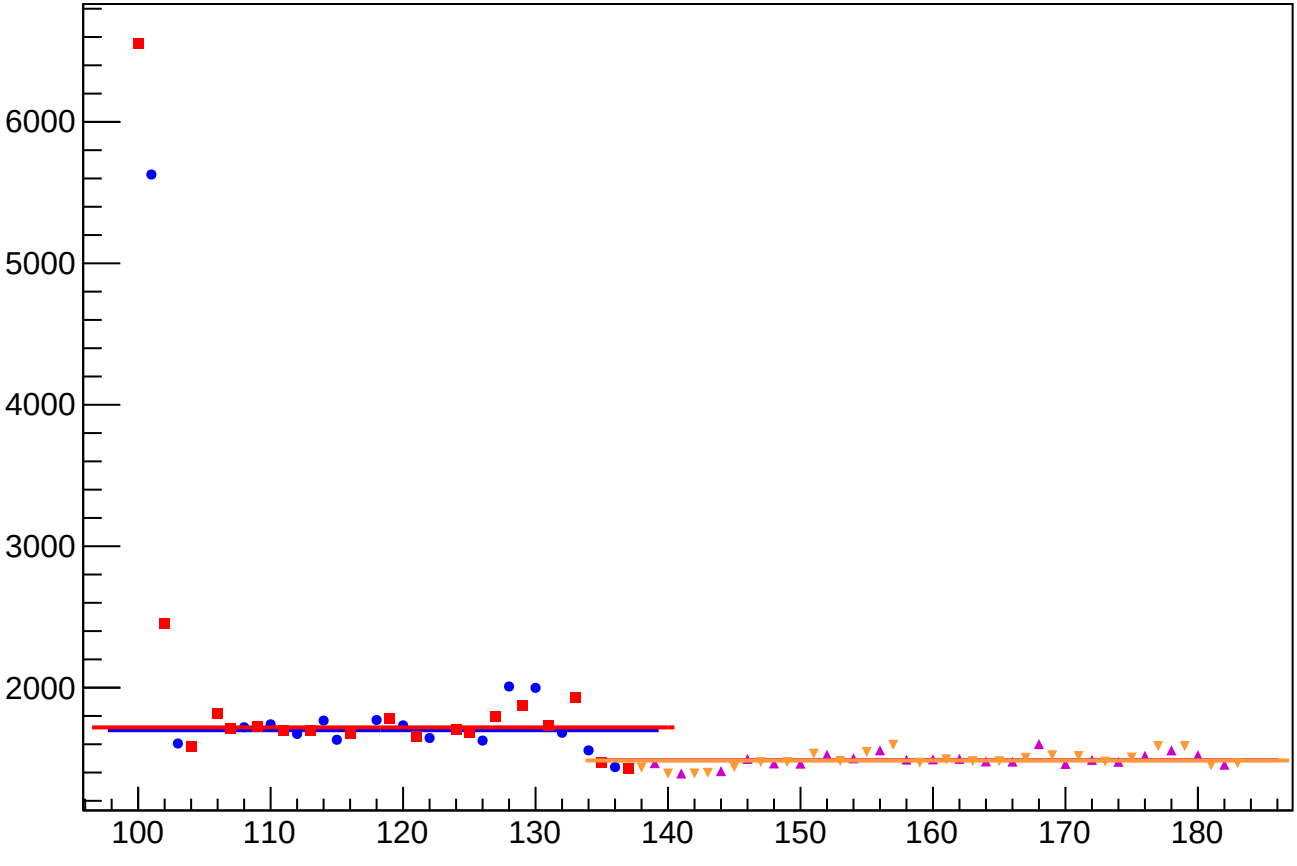
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 177.576+/-308.378 χ^2/NDF:49.0/37

Out: -544.849+/-300.417 χ^2/NDF:42.9/42

All: -193.083+/-215.186 χ^2/NDF: 94.7/80

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1485.255+/-0.240 χ^2/NDF:50795.7/23

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1487.801+/-0.248 χ^2/NDF:34367.0/21

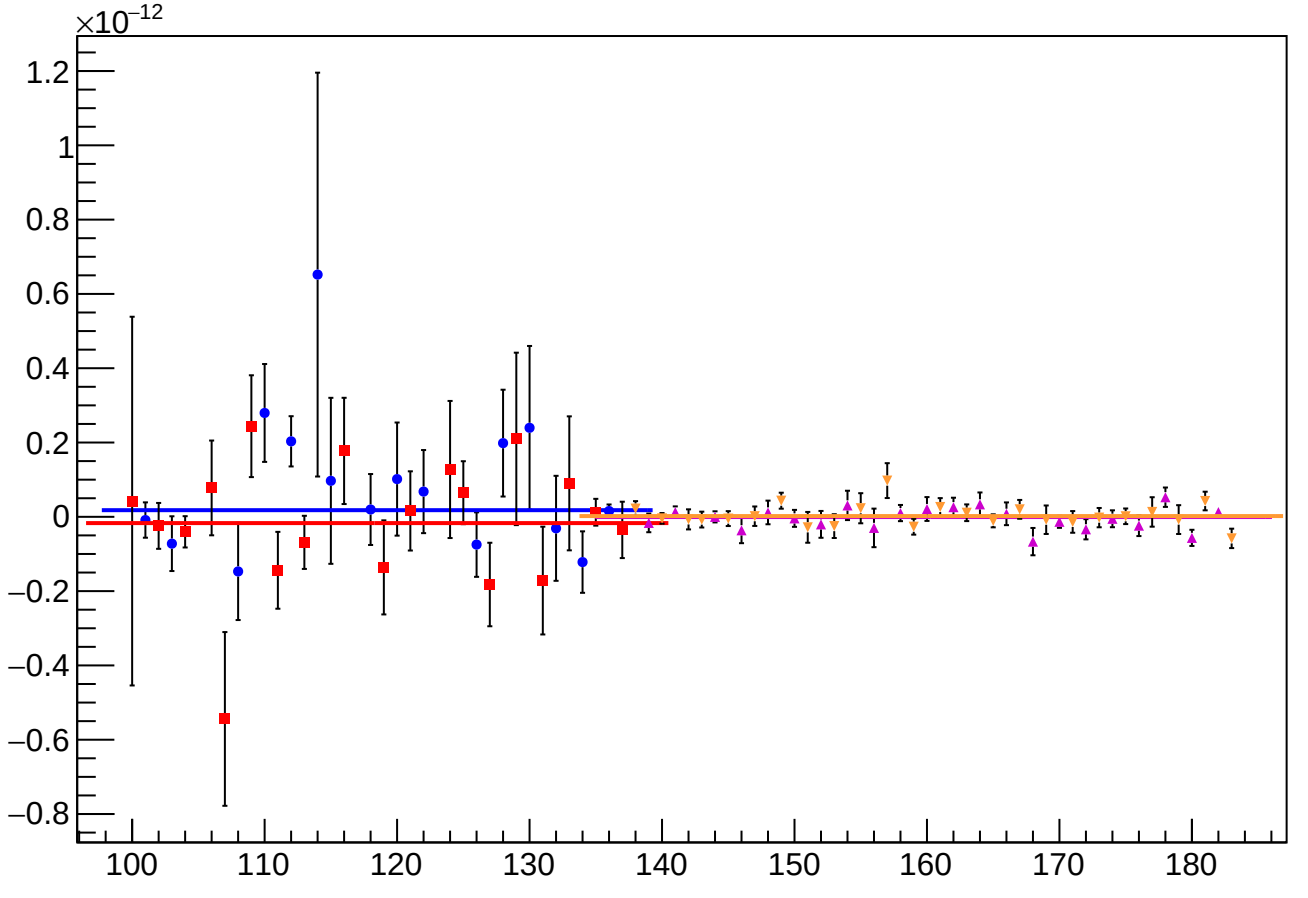
Left: 1486.489+/-0.173 χ^2/NDF: 85217.1/45

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1535.523+/-0.218 χ^2/NDF:960870.1/37

Out: 1536.461+/-0.212 χ^2/NDF:491800.6/42

All: 1536.005+/-0.152 χ^2/NDF: 1452680.1/80



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:24.7/21

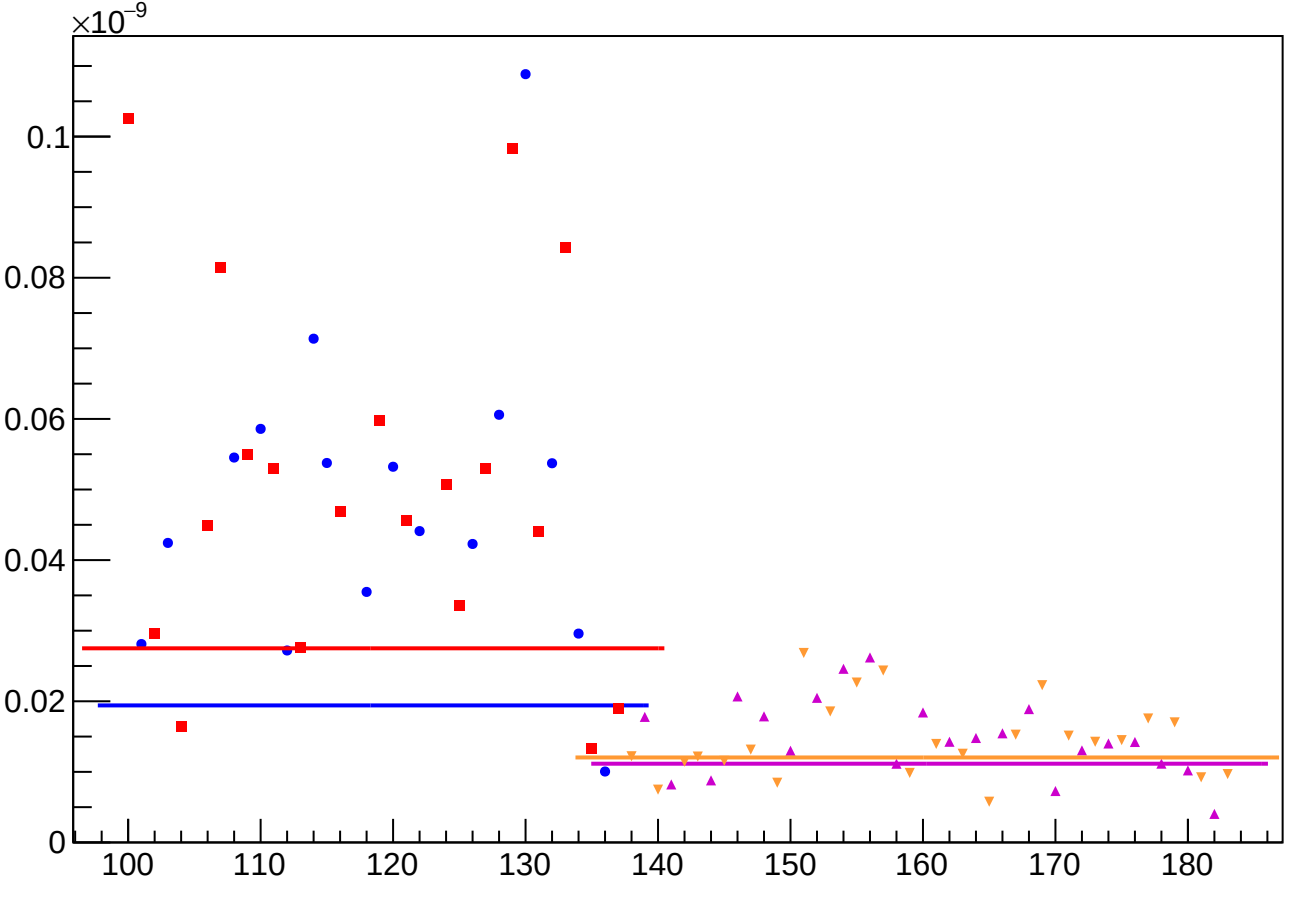
Left: 0.000+/-0.000 χ^2/NDF: 48.3/45

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:45.7/42

All: 0.000+/-0.000 χ^2/NDF: 95.4/80



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1519399.9/23

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: 3756239.2/45

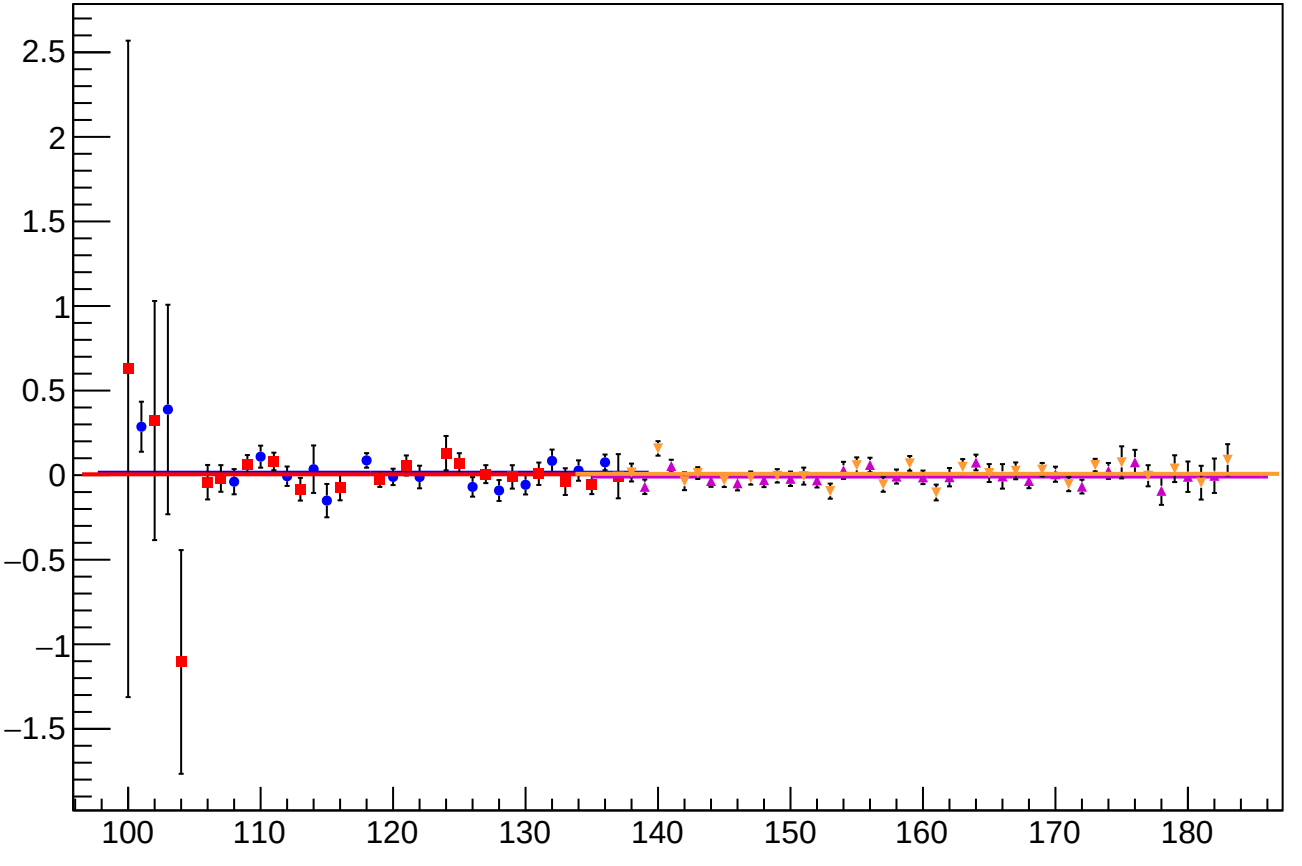
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:5071209.6/37

Out: 0.000+/-0.000 χ^2/NDF:4396032.0/42

All: 0.000+/-0.000 χ^2/NDF: 9513135.9/80

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: 0.008+/-0.010 χ^2/NDF:37.7/23

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/21

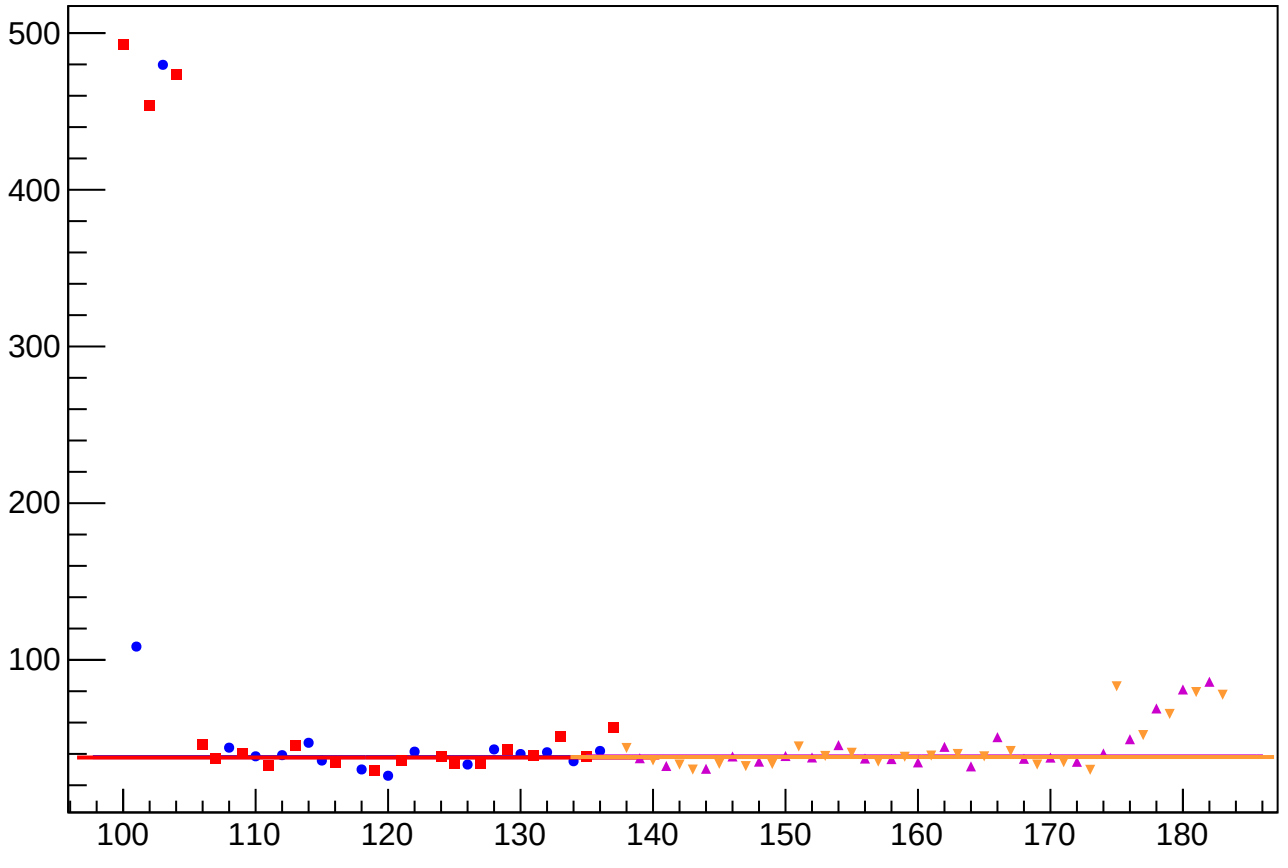
Left: 0.000+/-0.007 χ^2/NDF: 57.7/45

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.2/37

Out: 0.007+/-0.008 χ^2/NDF:52.6/42

All: 0.003+/-0.006 χ^2/NDF: 95.3/80



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 38.008+/-0.007 χ^2/NDF:1960690.9/23

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: 38.220+/-0.005 χ^2/NDF: 3546829.0/45

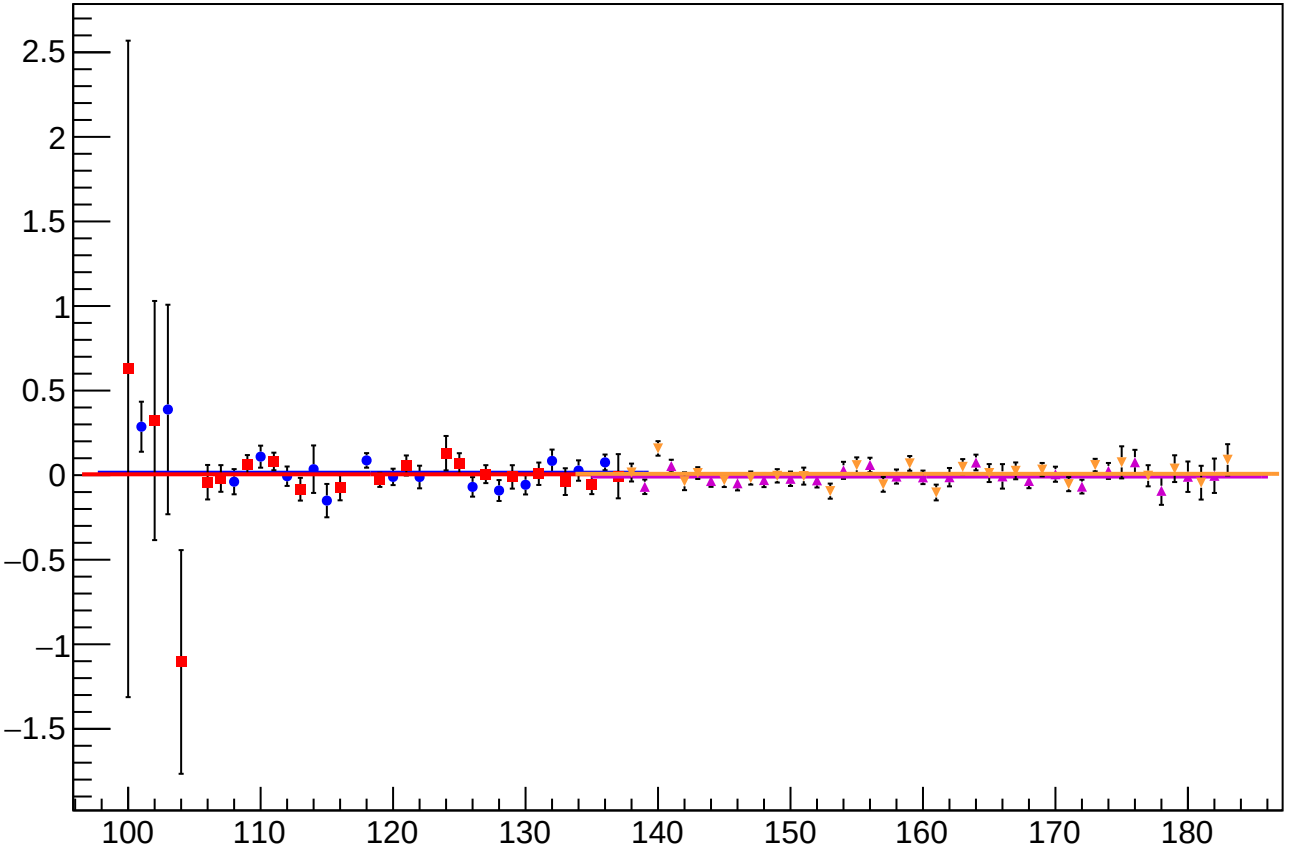
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 38.304+/-0.006 χ^2/NDF:3325244.8/37

Out: 37.925+/-0.006 χ^2/NDF:3906129.3/42

All: 38.111+/-0.004 χ^2/NDF: 7233437.9/80

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: 0.008+/-0.010 χ^2/NDF:37.7/23

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/21

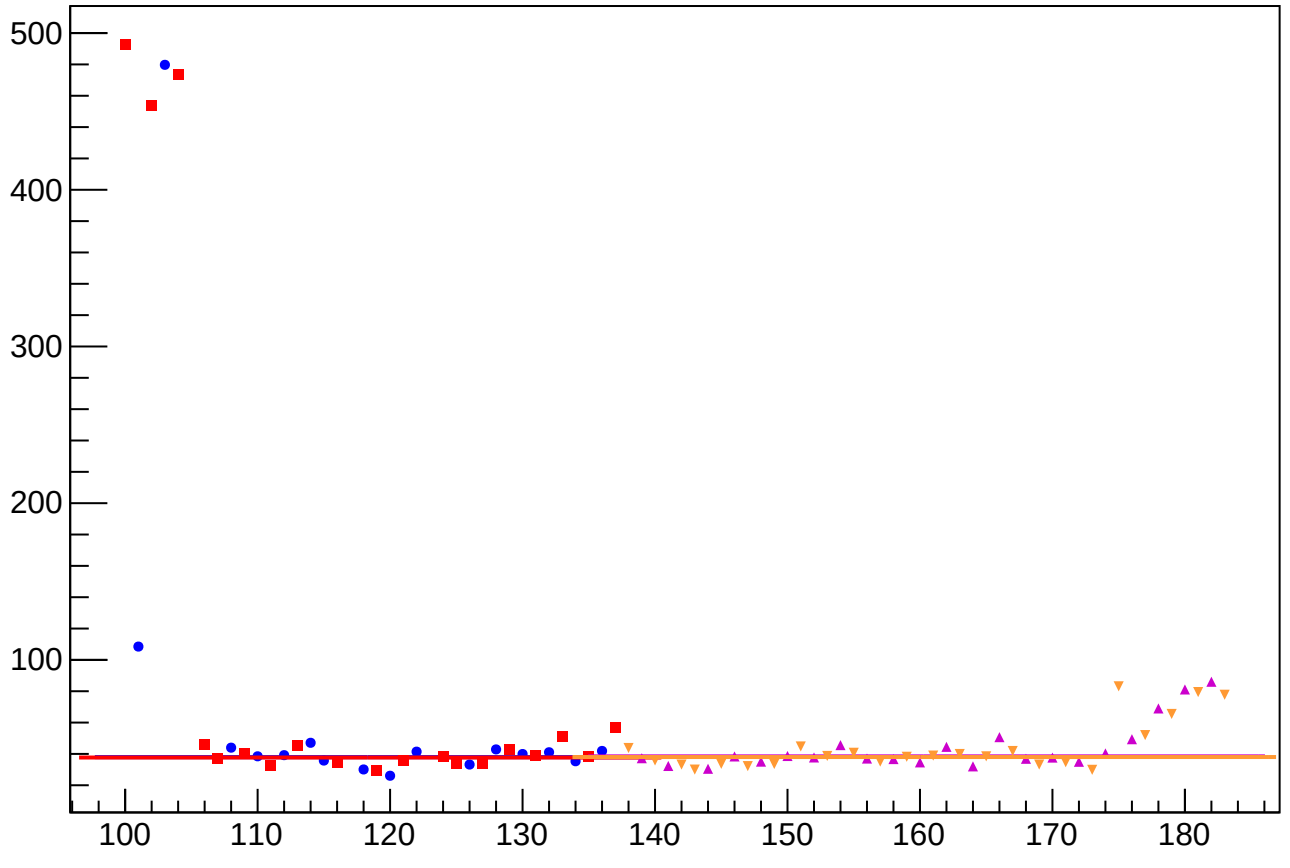
Left: 0.000+/-0.007 χ^2/NDF: 57.7/45

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.2/37

Out: 0.007+/-0.008 χ^2/NDF:52.6/42

All: 0.003+/-0.006 χ^2/NDF: 95.3/80



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 38.008+/-0.007 χ^2/NDF:1960690.9/23

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 38.445+/-0.007 χ^2/NDF:1584139.0/21

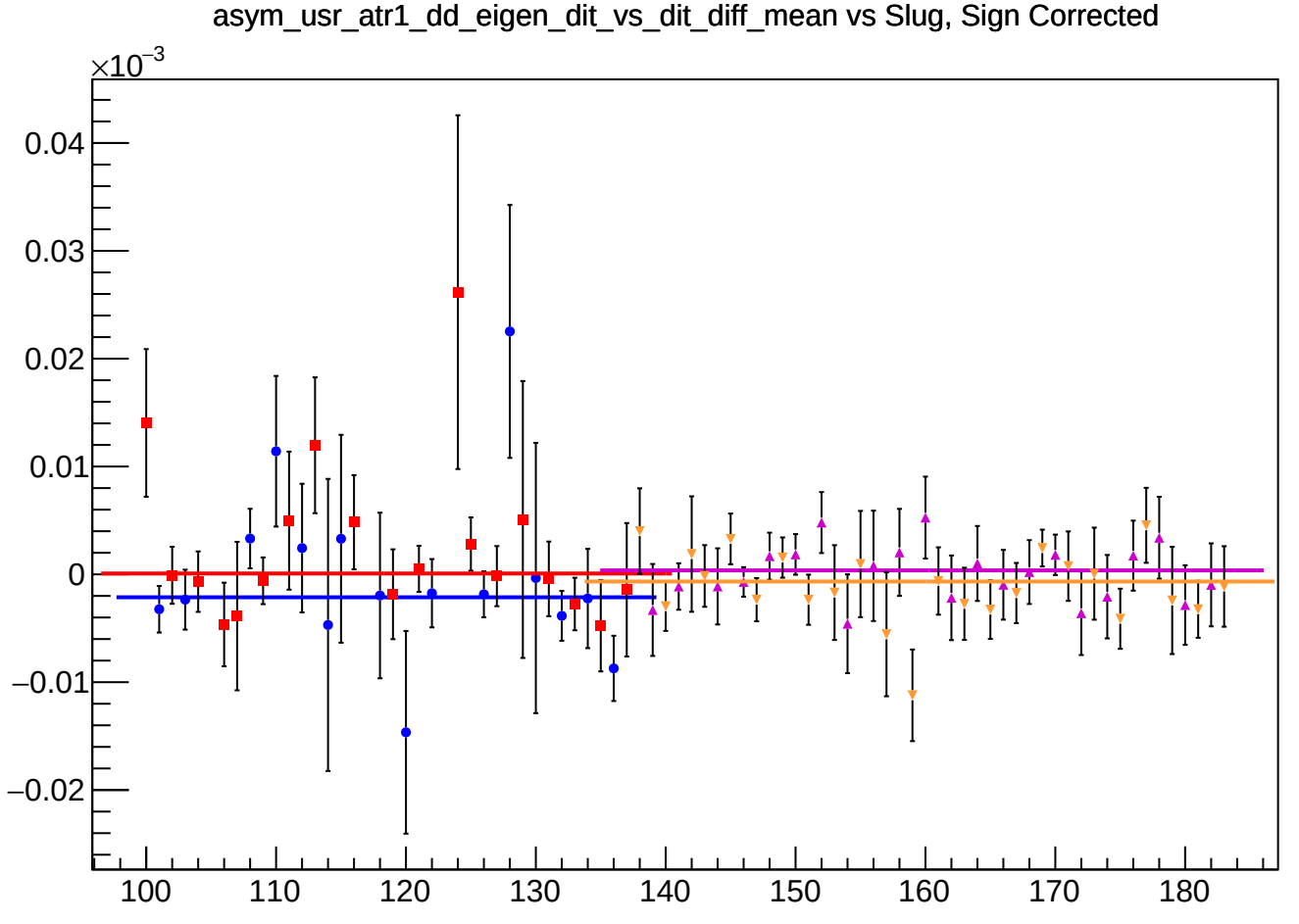
Left: 38.220+/-0.005 χ^2/NDF: 3546829.0/45

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 38.304+/-0.006 χ^2/NDF:3325244.8/37

Out: 37.925+/-0.006 χ^2/NDF:3906129.3/42

All: 38.111+/-0.004 χ^2/NDF: 7233437.9/80



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/21

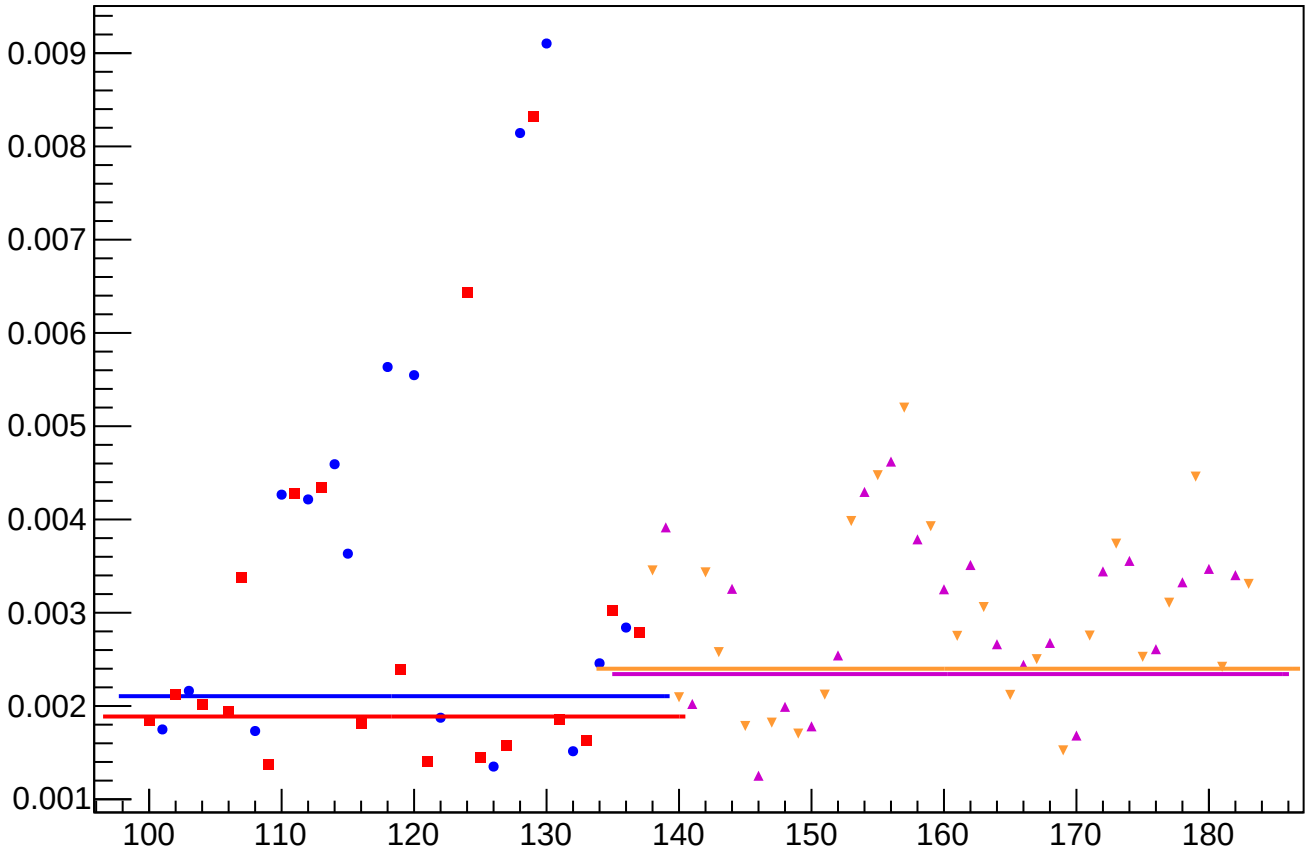
Left: -0.000+/-0.000 χ^2/NDF: 39.4/45

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:44.0/42

All: -0.000+/-0.000 χ^2/NDF: 82.6/80



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3641624.4/23

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: 8053822.3/45

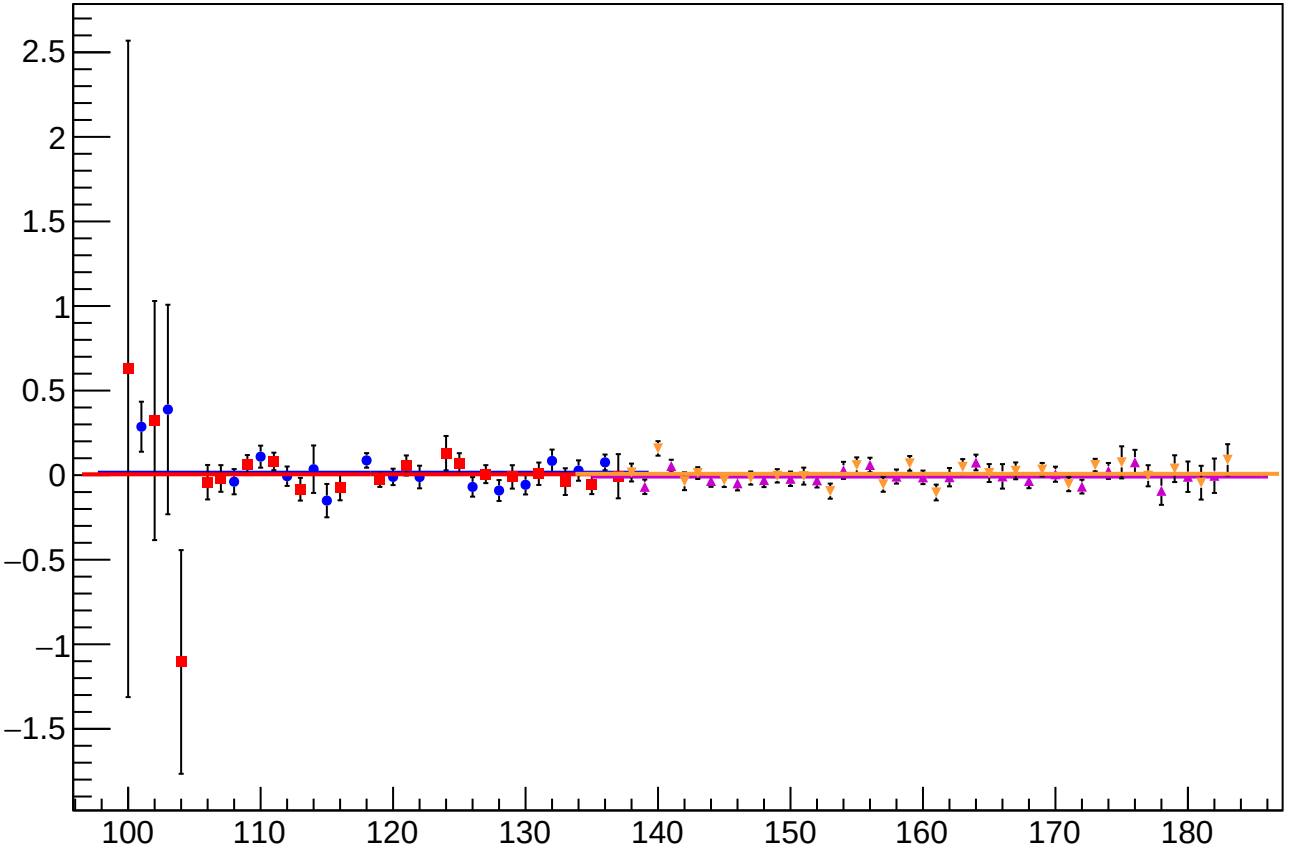
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:7517054.5/37

Out: 0.002+/-0.000 χ^2/NDF:6077440.3/42

All: 0.002+/-0.000 χ^2/NDF: 13605926.0/80

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: 0.008+/-0.010 χ^2/NDF:37.7/23

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: 57.7/45

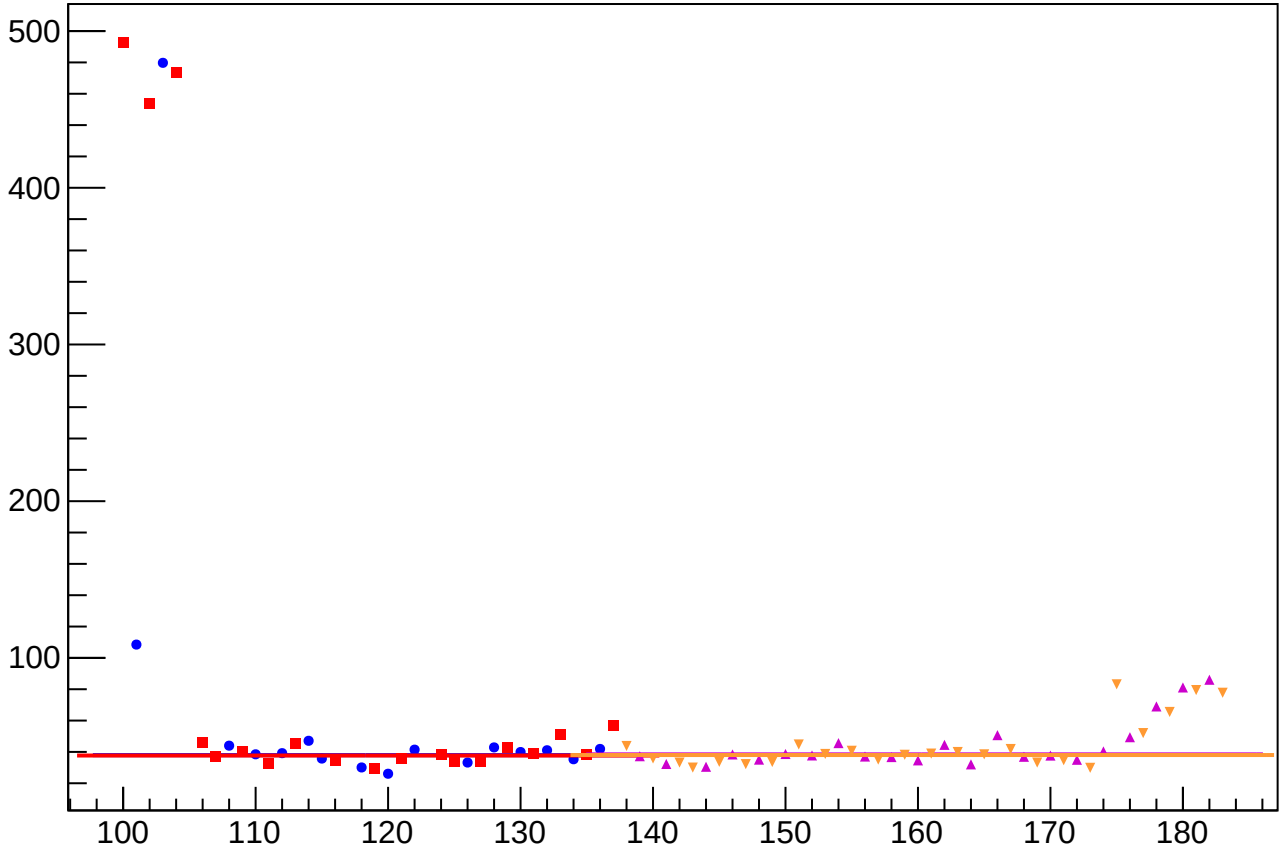
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.2/37

Out: 0.007+/-0.008 χ^2/NDF:52.6/42

All: 0.003+/-0.006 χ^2/NDF: 95.3/80

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 38.008+/-0.007 χ^2/NDF:1960692.4/23

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: 38.219+/-0.005 χ^2/NDF: 3546860.1/45

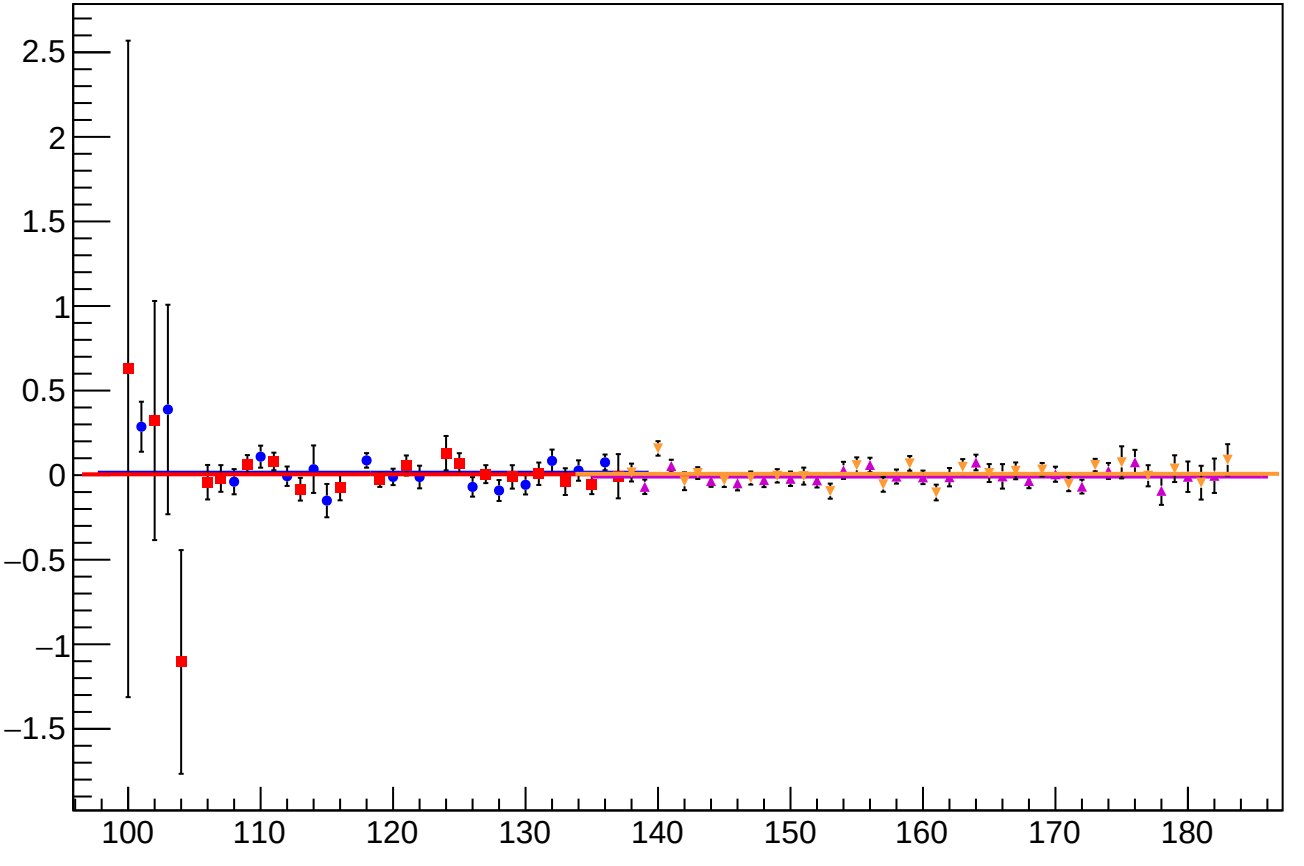
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 38.304+/-0.006 χ^2/NDF:3325289.2/37

Out: 37.925+/-0.006 χ^2/NDF:3906212.1/42

All: 38.110+/-0.004 χ^2/NDF: 7233565.5/80

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: 0.008+/-0.010 χ^2/NDF:37.7/23

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/21

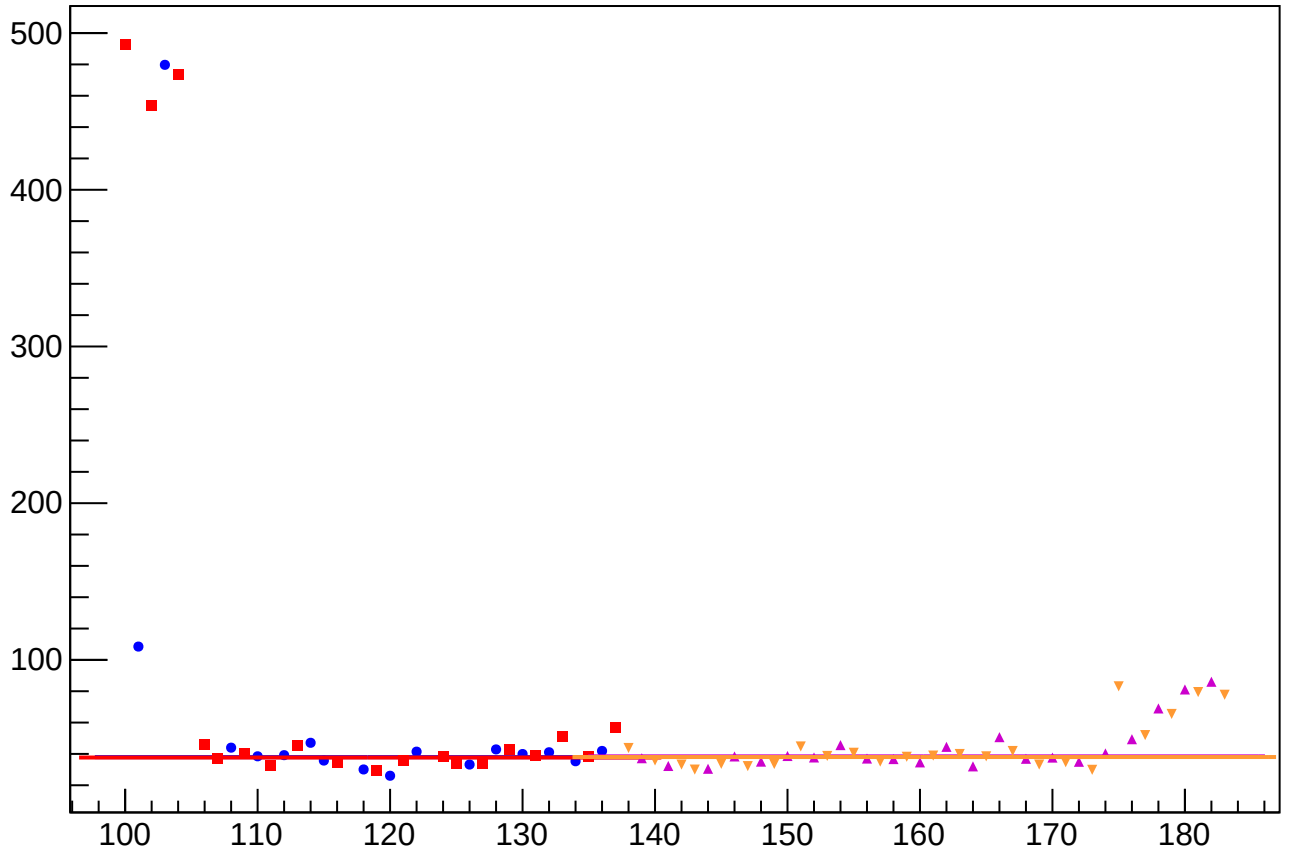
Left: 0.000+/-0.007 χ^2/NDF: 57.7/45

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.2/37

Out: 0.007+/-0.008 χ^2/NDF:52.6/42

All: 0.003+/-0.006 χ^2/NDF: 95.3/80



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 38.008+/-0.007 χ^2/NDF:1960692.4/23

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 38.445+/-0.007 χ^2/NDF:1584170.4/21

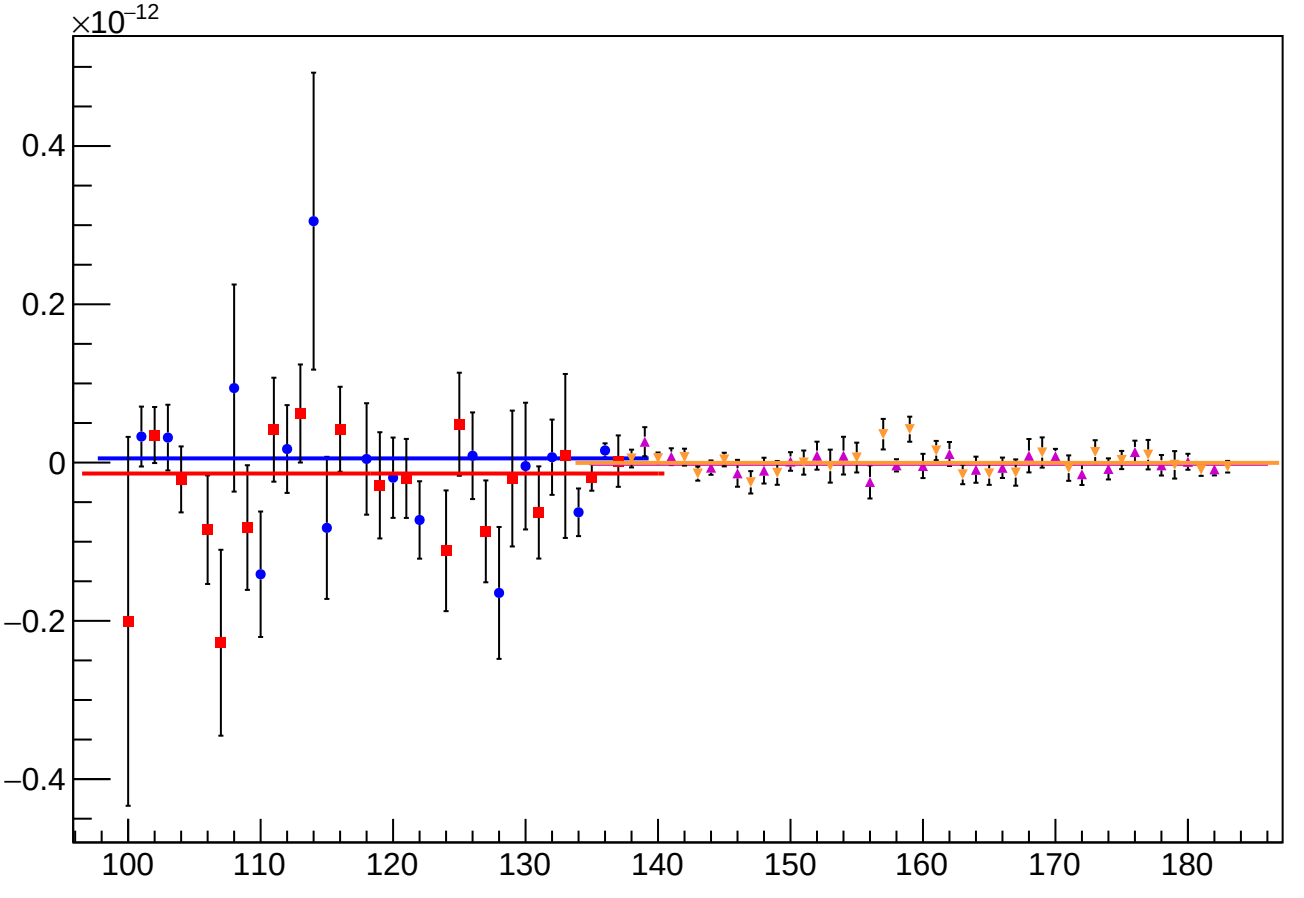
Left: 38.219+/-0.005 χ^2/NDF: 3546860.1/45

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 38.304+/-0.006 χ^2/NDF:3325289.2/37

Out: 37.925+/-0.006 χ^2/NDF:3906212.1/42

All: 38.110+/-0.004 χ^2/NDF: 7233565.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/23

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: 38.1/45

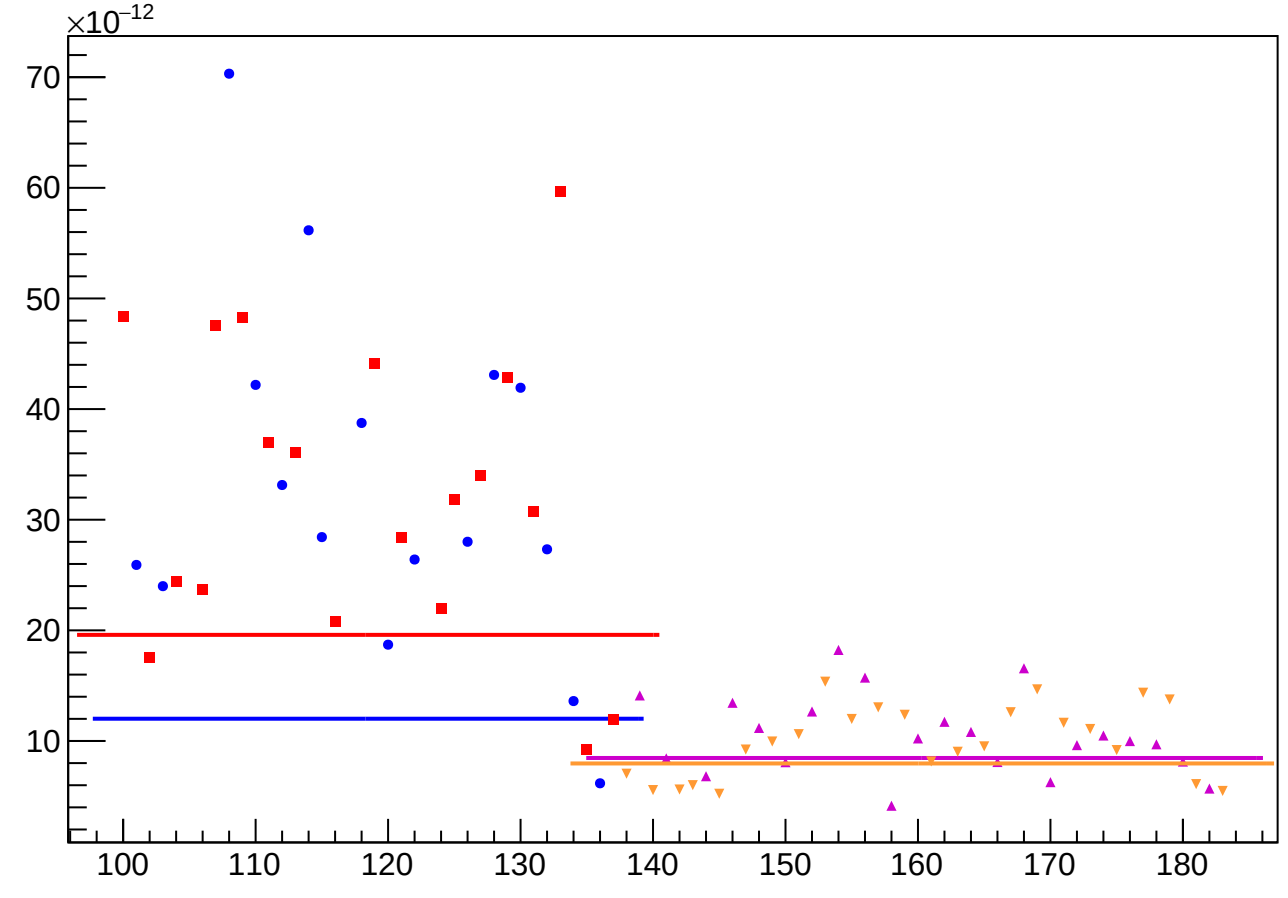
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:33.8/37

Out: -0.000+/-0.000 χ^2/NDF:44.0/42

All: -0.000+/-0.000 χ^2/NDF: 77.9/80

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2829583.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2726673.1/21

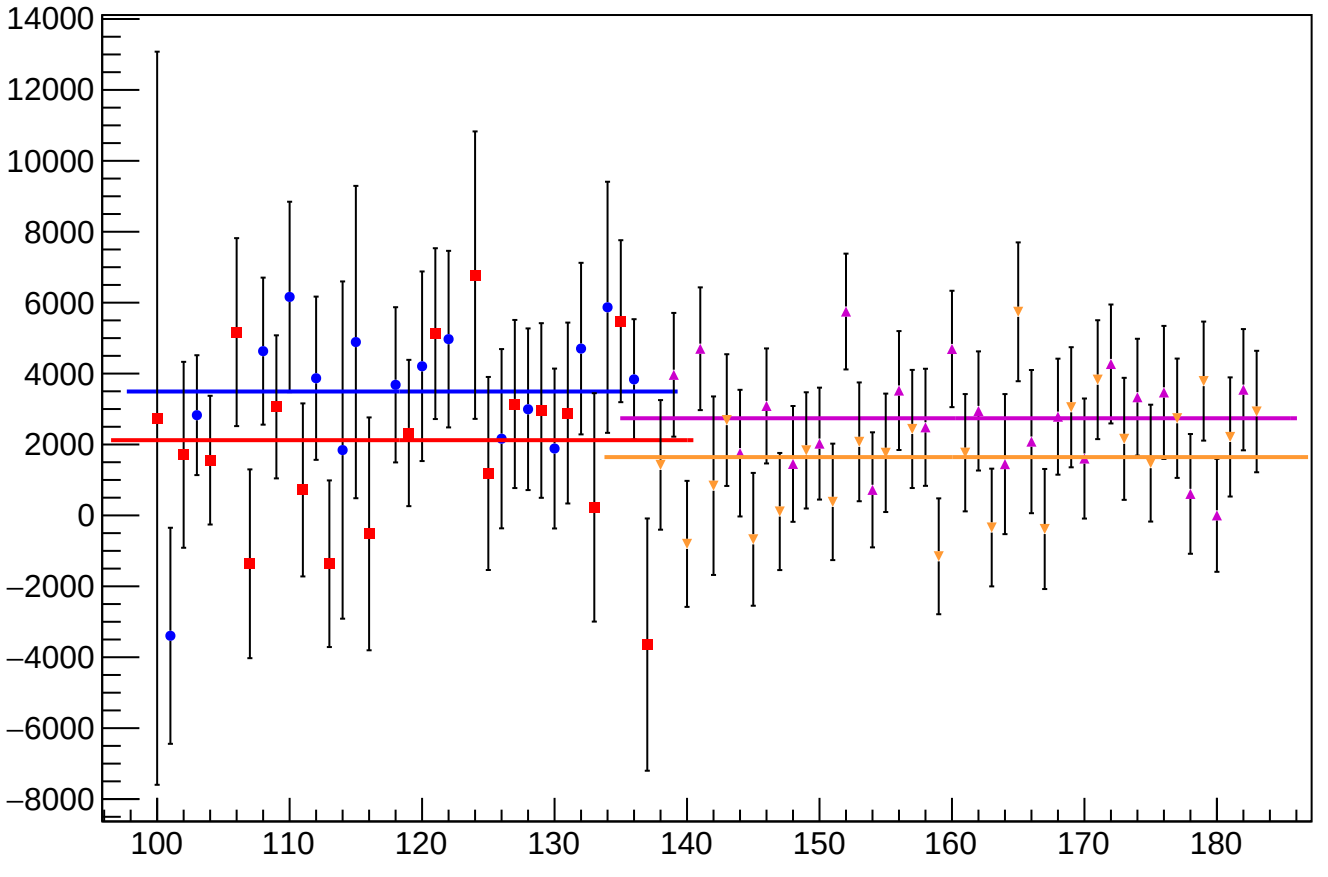
Left: 0.000+/-0.000 χ^2/NDF: 5594303.3/45

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:7750154.5/42

All: 0.000+/-0.000 χ^2/NDF: 14753451.0/80



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1644.406+/-352.243 χ^2/NDF:21.0/23

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: 2178.056+/-252.270 χ^2/NDF: 42.2/45

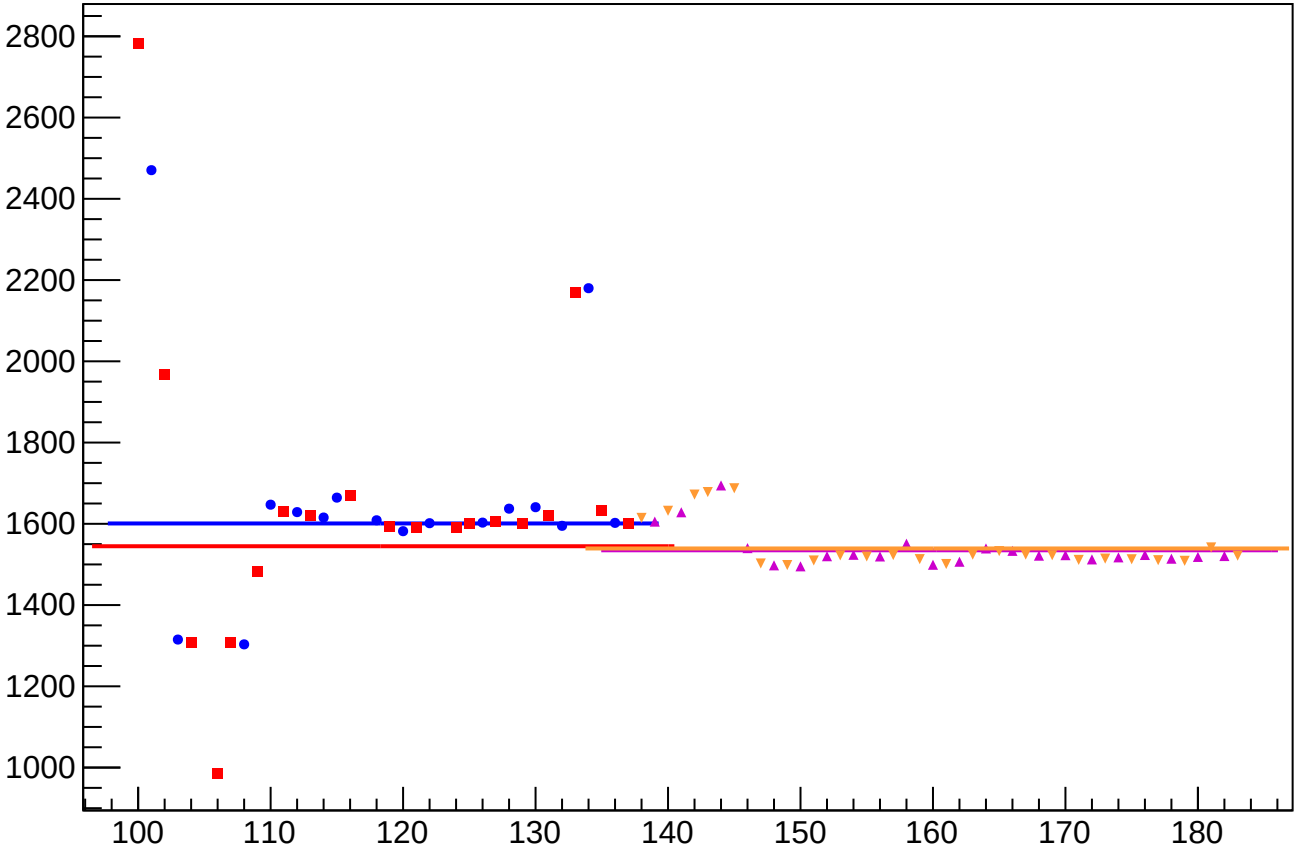
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 2940.308+/-309.781 χ^2/NDF:26.4/37

Out: 1770.581+/-302.120 χ^2/NDF:36.6/42

All: 2340.802+/-216.289 χ^2/NDF: 70.3/80

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1539.328+/-0.249 χ^2/NDF:46748.6/23

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1534.862+/-0.256 χ^2/NDF:31063.8/21

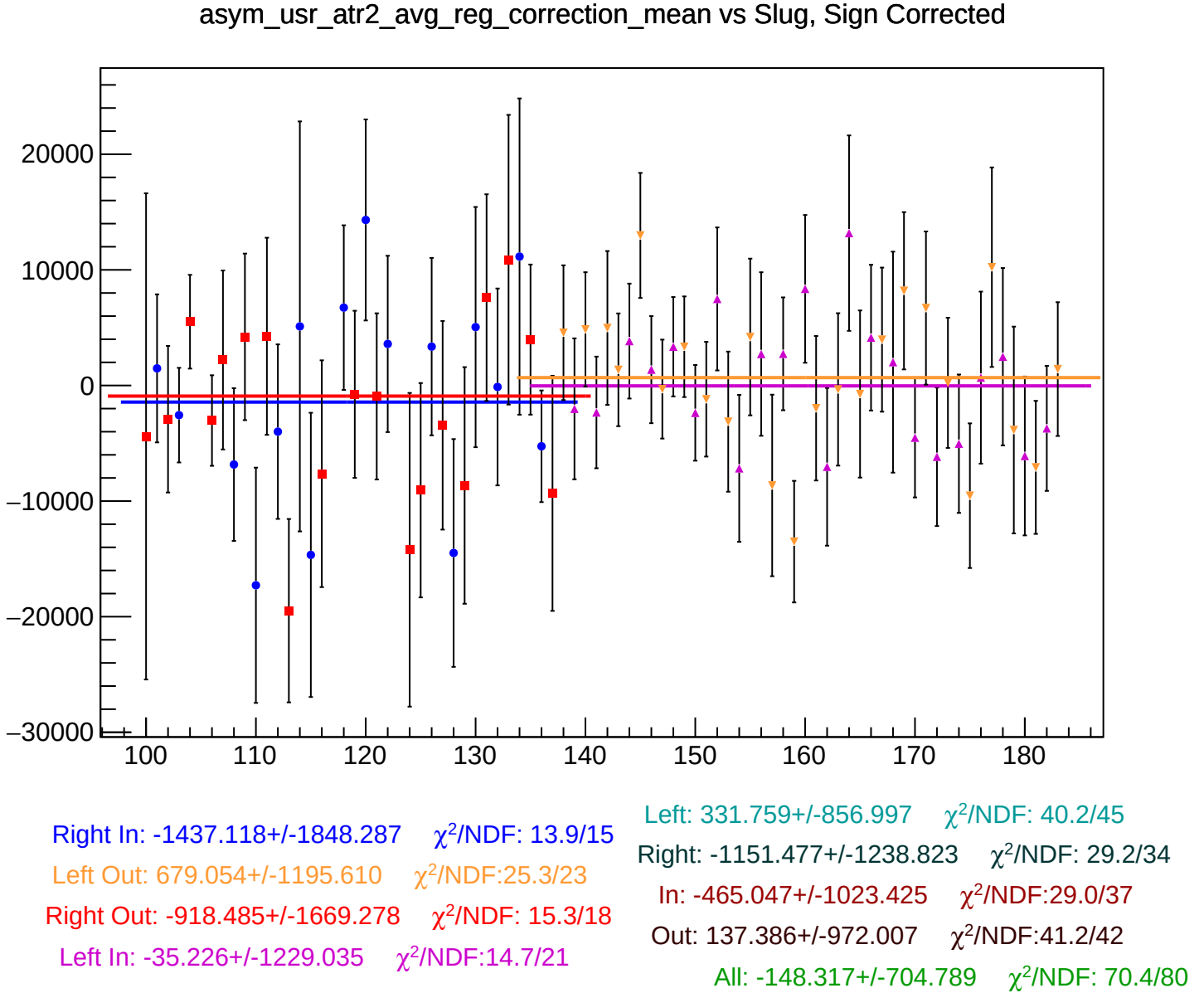
Left: 1537.153+/-0.178 χ^2/NDF: 77969.0/45

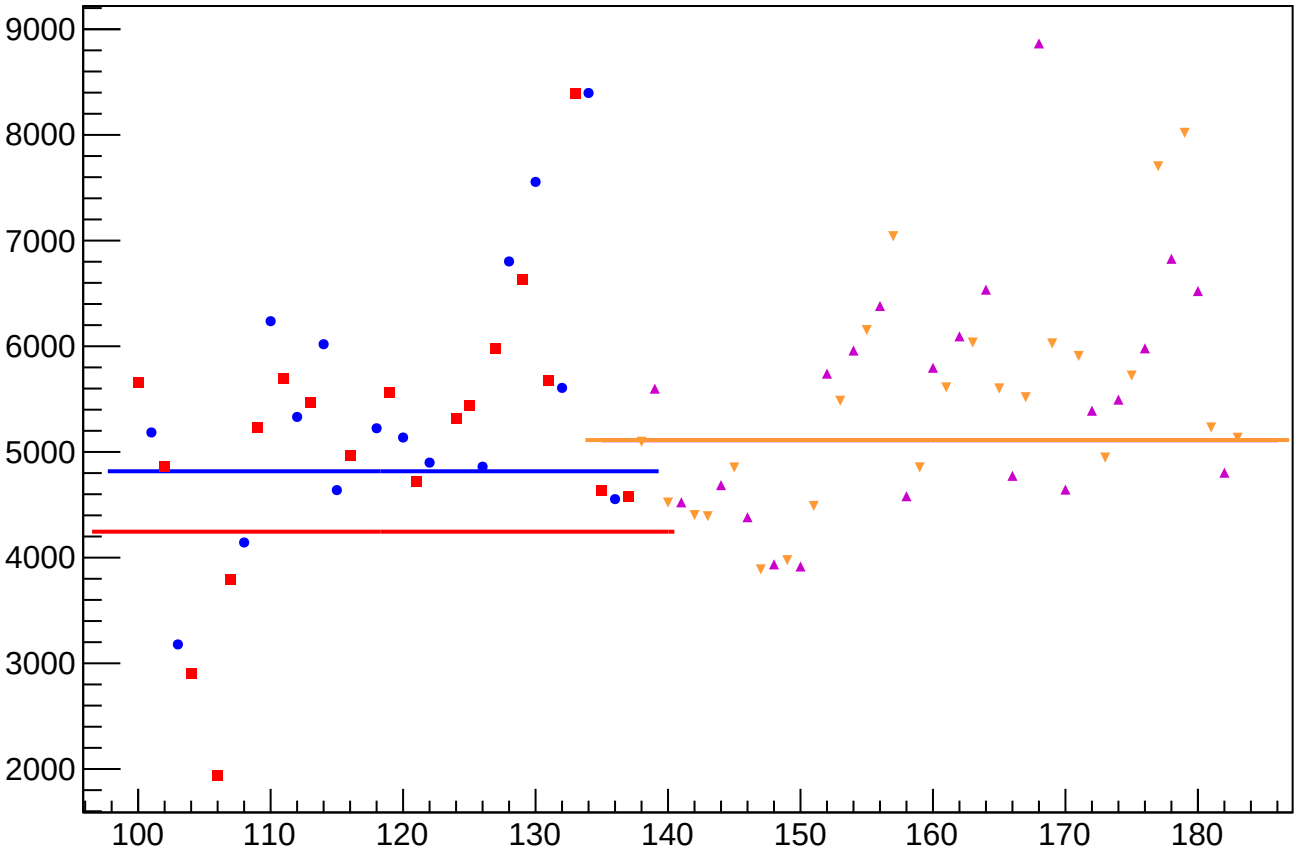
Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1552.391+/-0.219 χ^2/NDF:366191.5/37

Out: 1540.813+/-0.213 χ^2/NDF:423007.2/42

All: 1546.431+/-0.153 χ^2/NDF: 790636.9/80


asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1437.118+/-1848.287 χ²/NDF: 13.9/15
Left Out: 679.054+/-1195.610 χ²/NDF:25.3/23
Right Out: -918.485+/-1669.278 χ²/NDF: 15.3/18
Left In: -35.226+/-1229.035 χ²/NDF:14.7/21
Left: 331.759+/-856.997 χ²/NDF: 40.2/45
Right: -1151.477+/-1238.823 χ²/NDF: 29.2/34
In: -465.047+/-1023.425 χ²/NDF:29.0/37
Out: 137.386+/-972.007 χ²/NDF:41.2/42
All: -148.317+/-704.789 χ²/NDF: 70.4/80



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 5112.694+/-0.845 χ^2/NDF:1159003.6/23

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 5110.871+/-0.869 χ^2/NDF:1250186.2/21

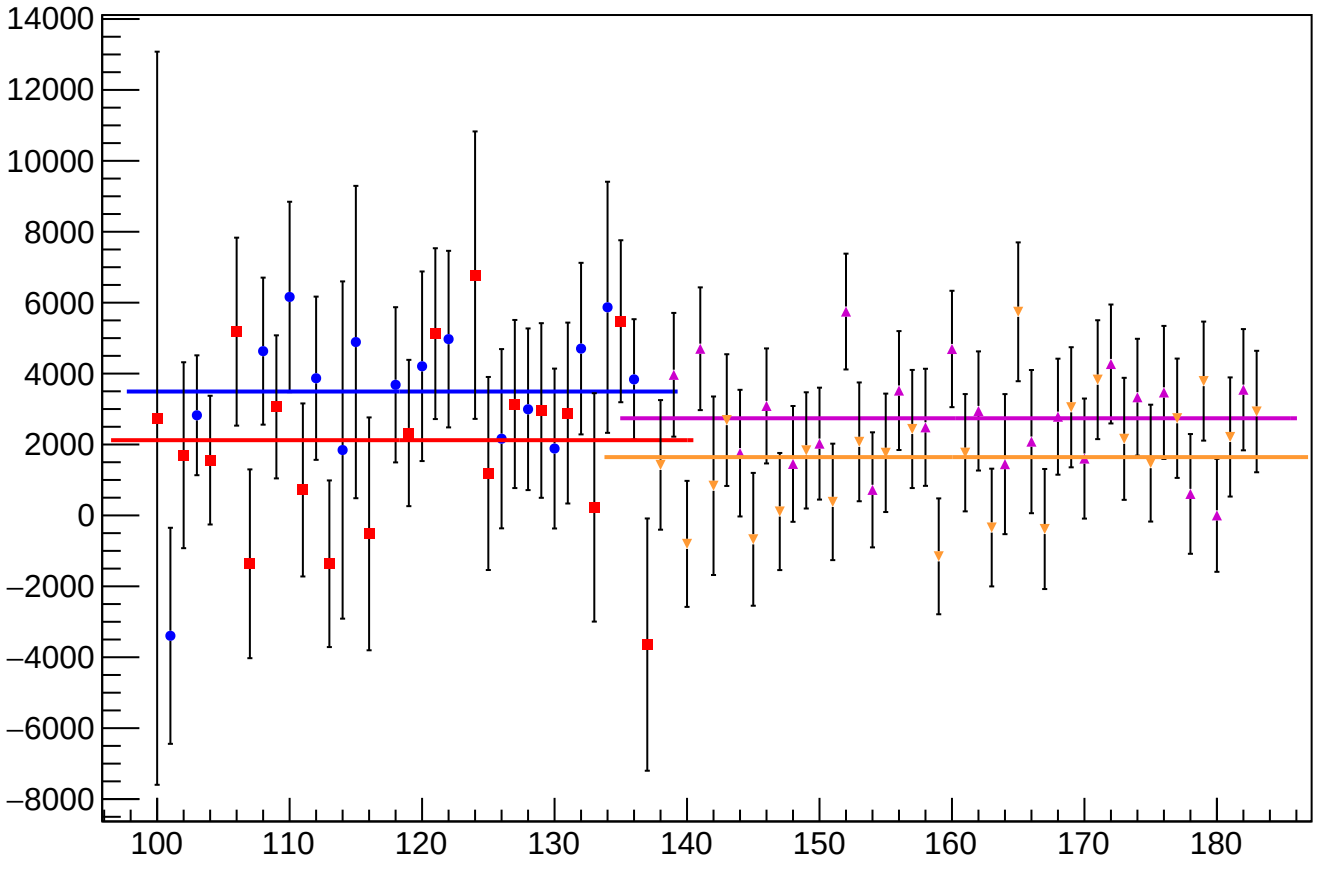
Left: 5111.808+/-0.606 χ^2/NDF: 2409192.1/45

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 5020.875+/-0.724 χ^2/NDF:2080593.4/37

Out: 4818.671+/-0.687 χ^2/NDF:3198886.5/42

All: 4914.566+/-0.498 χ^2/NDF: 5320526.4/80



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1644.306+/-352.243 χ^2/NDF:21.0/23

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: 2177.965+/-252.270 χ^2/NDF: 42.2/45

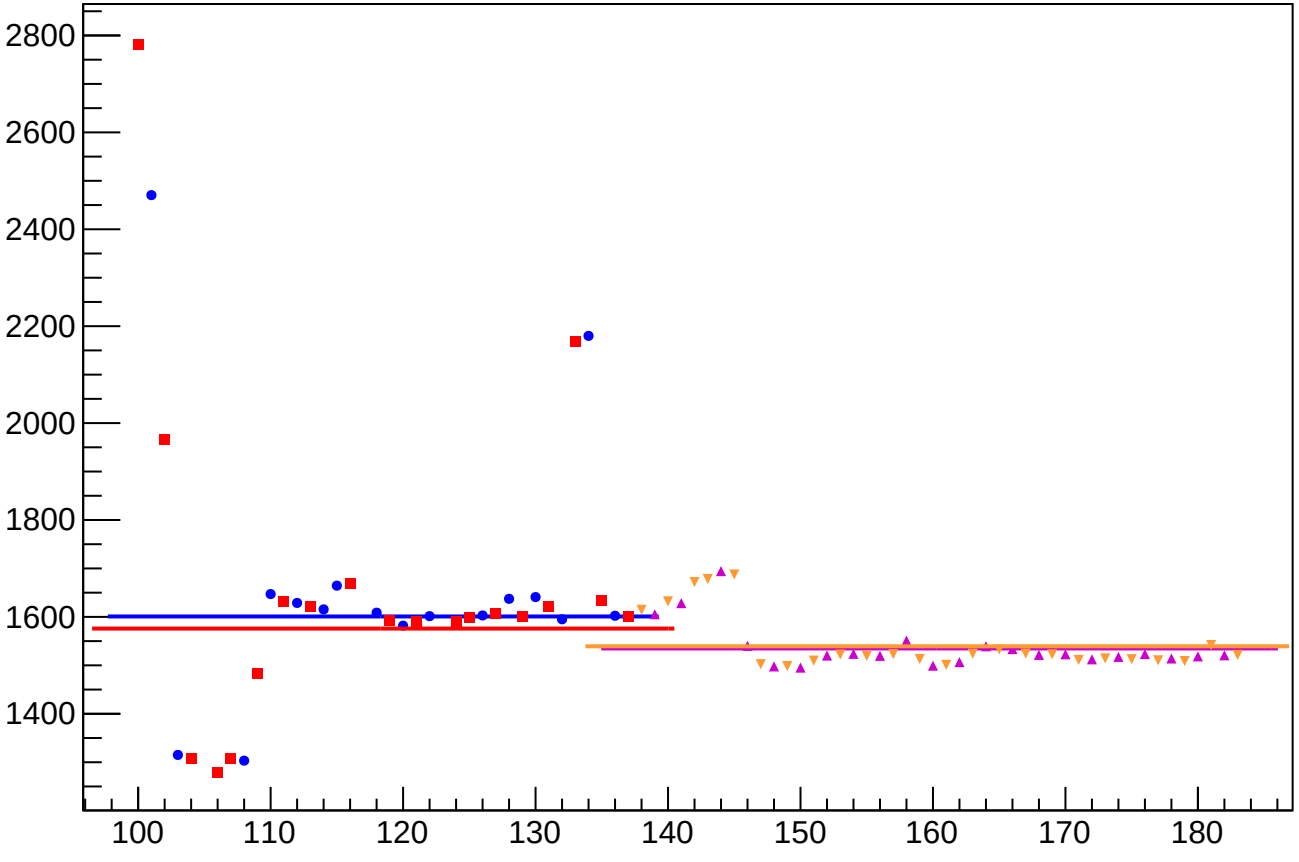
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 2940.160+/-309.781 χ^2/NDF:26.4/37

Out: 1770.504+/-302.121 χ^2/NDF:36.6/42

All: 2340.691+/-216.289 χ^2/NDF: 70.3/80

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1539.328+/-0.249 χ^2/NDF:46748.6/23

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1534.862+/-0.256 χ^2/NDF:31063.8/21

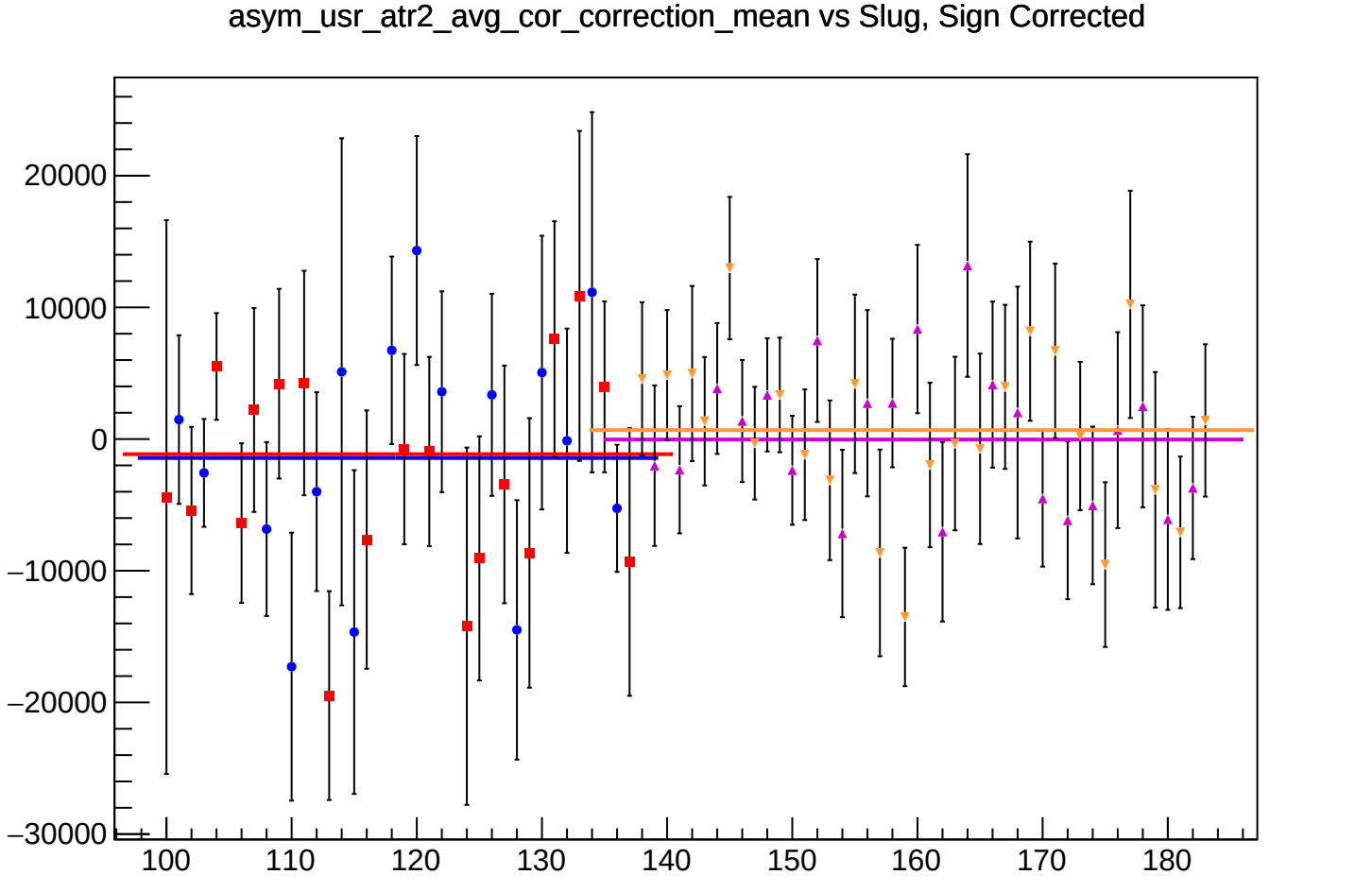
Left: 1537.153+/-0.178 χ^2/NDF: 77969.0/45

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1552.391+/-0.219 χ^2/NDF:366190.8/37

Out: 1549.052+/-0.213 χ^2/NDF:295813.1/42

All: 1550.678+/-0.153 χ^2/NDF: 662123.1/80



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 679.056+/-1195.608 χ^2/NDF:25.3/23

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -35.227+/-1229.035 χ^2/NDF:14.7/21

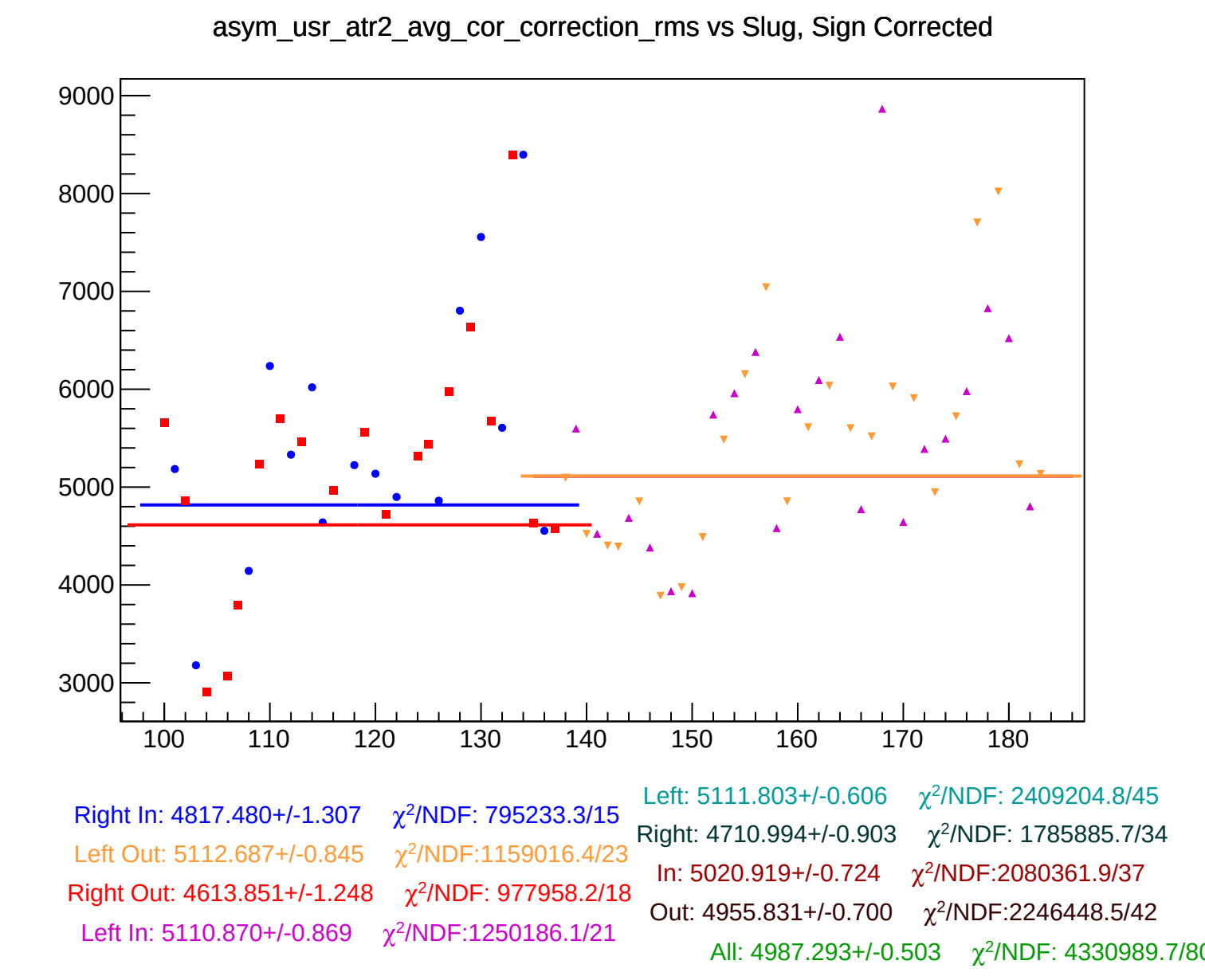
Left: 331.760+/-856.997 χ^2/NDF: 40.2/45

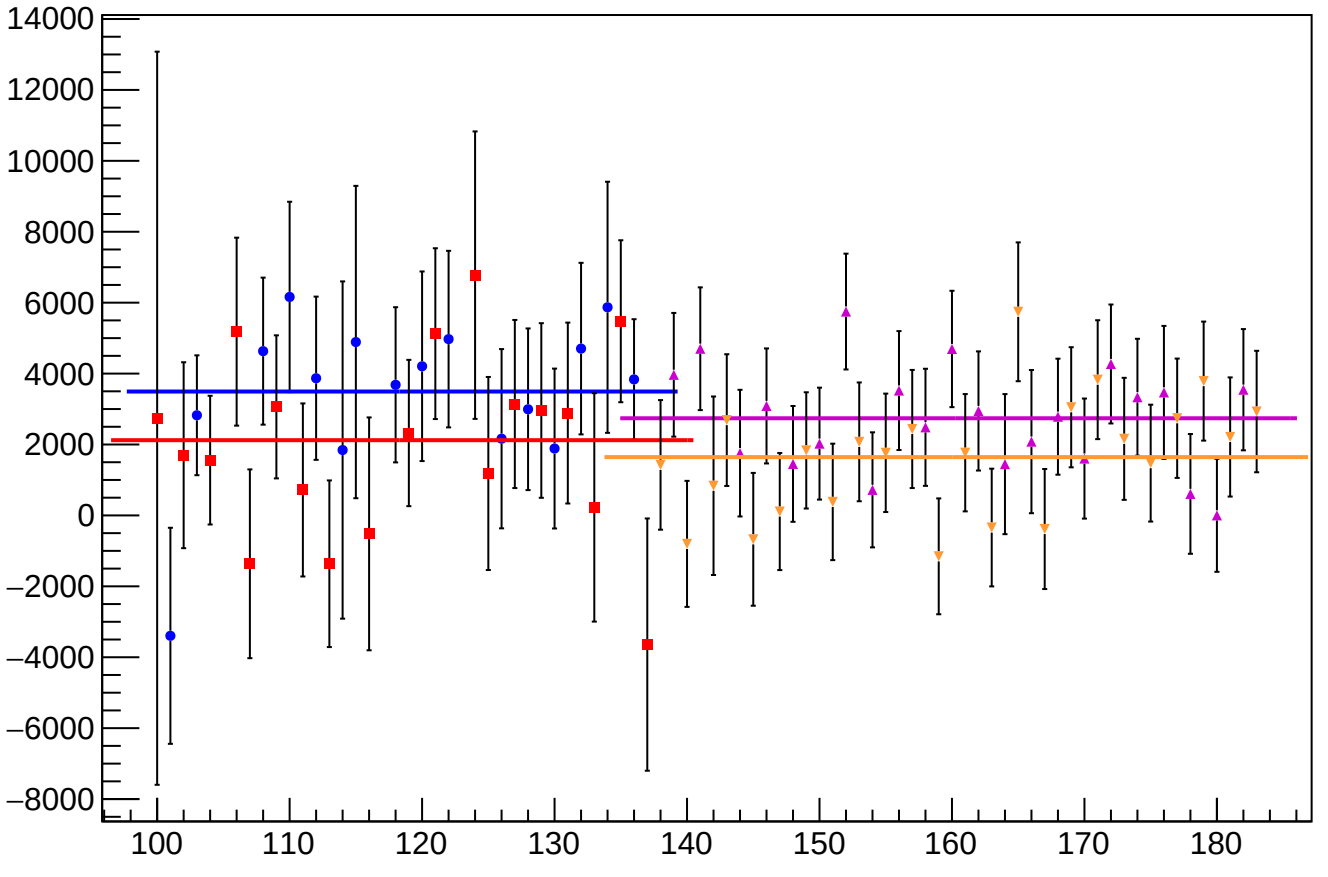
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -465.111+/-1023.431 χ^2/NDF:29.0/37

Out: 105.124+/-989.944 χ^2/NDF:42.2/42

All: -170.511+/-711.540 χ^2/NDF: 71.4/80


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: 5112.687+/-0.845 χ²/NDF:1159016.4/23
Right Out: 4613.851+/-1.248 χ²/NDF: 977958.2/18
Left In: 5110.870+/-0.869 χ²/NDF:1250186.1/21
Left: 5111.803+/-0.606 χ²/NDF: 2409204.8/45
Right: 4710.994+/-0.903 χ²/NDF: 1785885.7/34
In: 5020.919+/-0.724 χ²/NDF:2080361.9/37
Out: 4955.831+/-0.700 χ²/NDF:2246448.5/42
All: 4987.293+/-0.503 χ²/NDF: 4330989.7/80



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1644.306+/-352.243 χ^2/NDF:21.0/23

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2739.928+/-361.464 χ^2/NDF:16.4/21

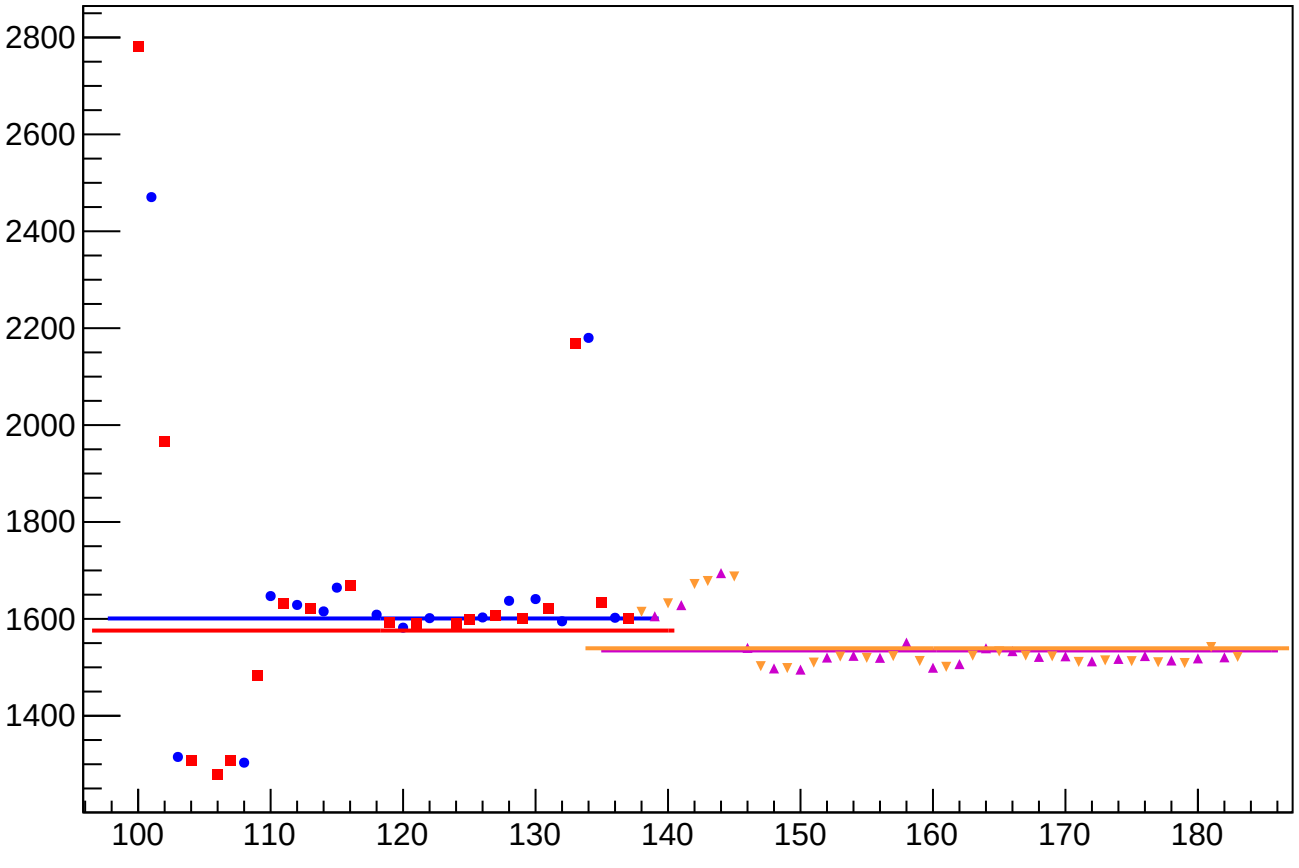
Left: 2177.965+/-252.270 χ^2/NDF: 42.2/45

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 2940.160+/-309.781 χ^2/NDF:26.4/37

Out: 1770.504+/-302.121 χ^2/NDF:36.6/42

All: 2340.691+/-216.289 χ^2/NDF: 70.3/80



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1539.328+/-0.249 χ^2/NDF:46748.6/23

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1534.862+/-0.256 χ^2/NDF:31063.8/21

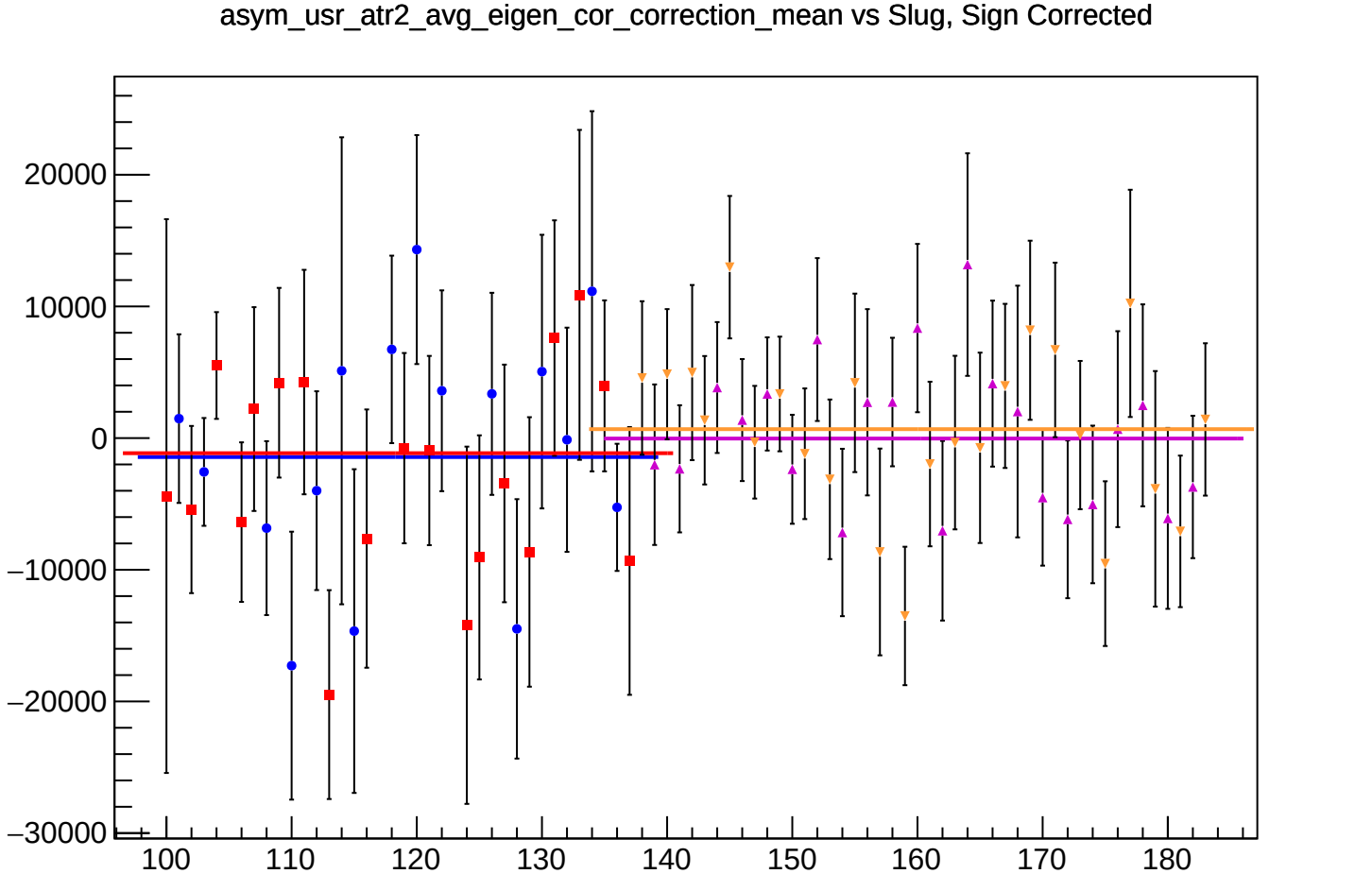
Left: 1537.153+/-0.178 χ^2/NDF: 77969.0/45

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1552.391+/-0.219 χ^2/NDF:366190.8/37

Out: 1549.052+/-0.213 χ^2/NDF:295813.1/42

All: 1550.678+/-0.153 χ^2/NDF: 662123.1/80



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 679.056+/-1195.608 χ^2/NDF:25.3/23

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: 331.760+/-856.997 χ^2/NDF: 40.2/45

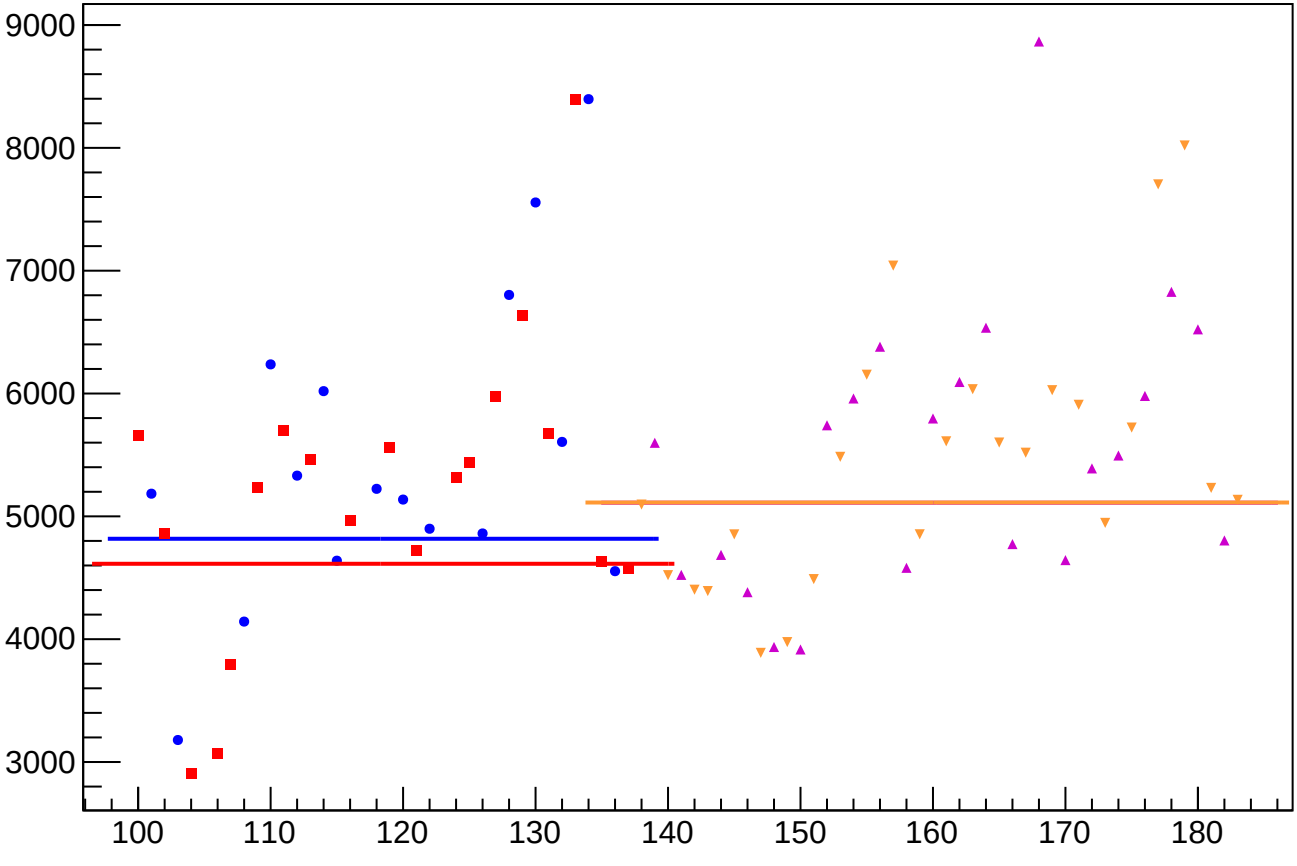
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -465.111+/-1023.431 χ^2/NDF:29.0/37

Out: 105.124+/-989.944 χ^2/NDF:42.2/42

All: -170.511+/-711.540 χ^2/NDF: 71.4/80

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5112.687+/-0.845 χ^2/NDF:1159016.4/23

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5110.870+/-0.869 χ^2/NDF:1250186.1/21

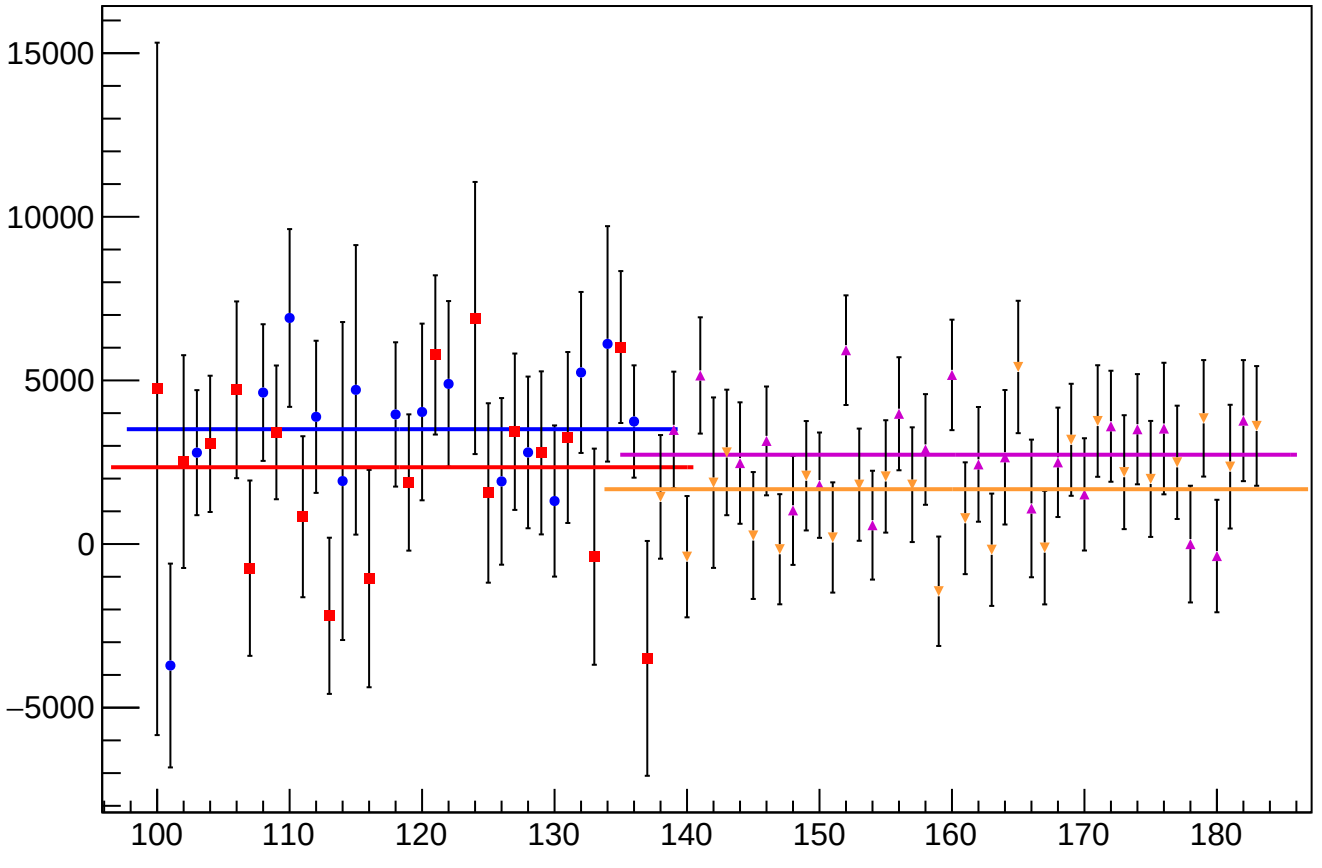
Left: 5111.803+/-0.606 χ^2/NDF: 2409204.8/45

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 5020.919+/-0.724 χ^2/NDF:2080361.9/37

Out: 4955.831+/-0.700 χ^2/NDF:2246448.5/42

All: 4987.293+/-0.503 χ^2/NDF: 4330989.7/80



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1675.777+/-365.084 χ^2/NDF:18.9/23

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 2729.380+/-373.660 χ^2/NDF:19.1/21

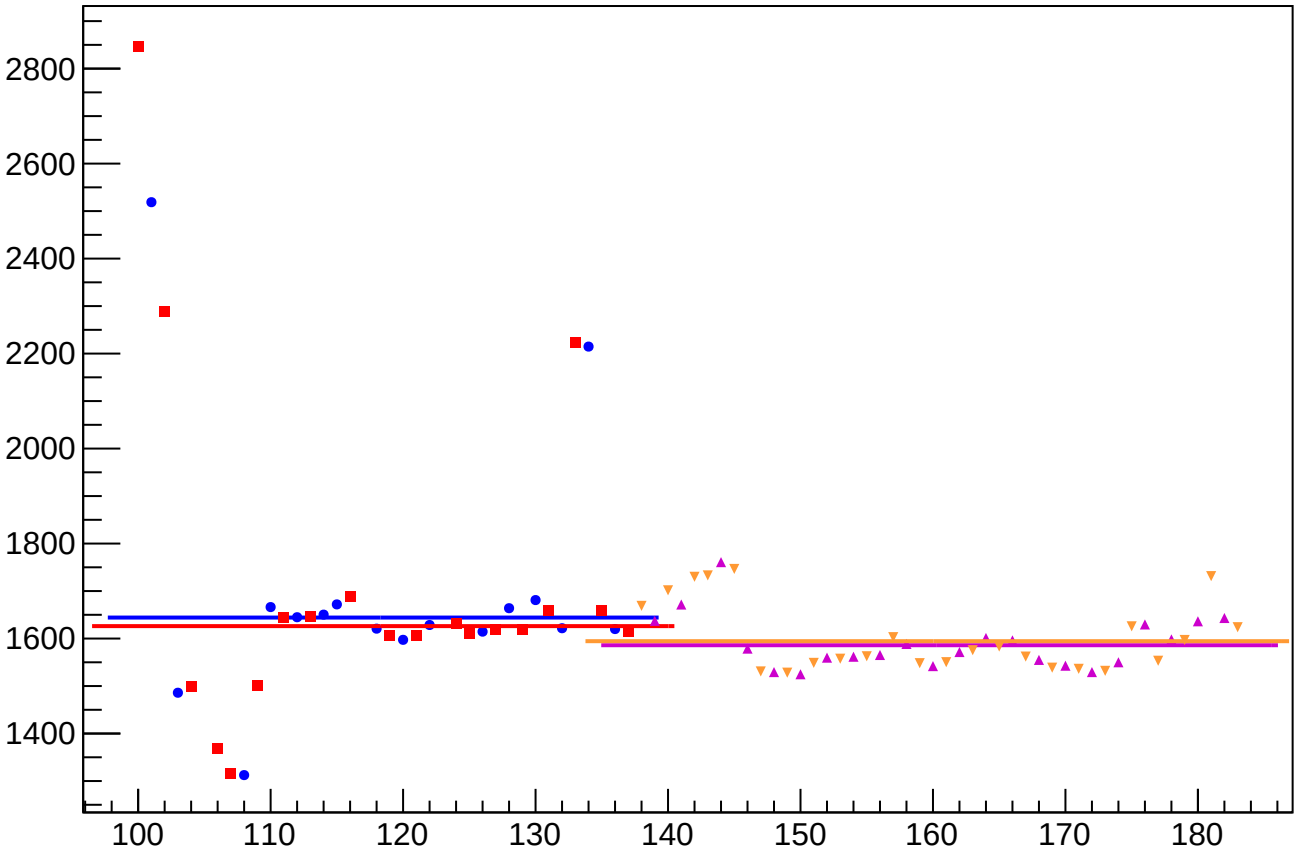
Left: 2190.349+/-261.133 χ^2/NDF: 42.1/45

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 2938.859+/-319.579 χ^2/NDF:30.7/37

Out: 1853.834+/-312.925 χ^2/NDF:36.9/42

All: 2384.932+/-223.587 χ^2/NDF: 73.5/80



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1594.445+/-0.258 χ^2/NDF:70735.4/23

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1585.950+/-0.264 χ^2/NDF:41914.4/21

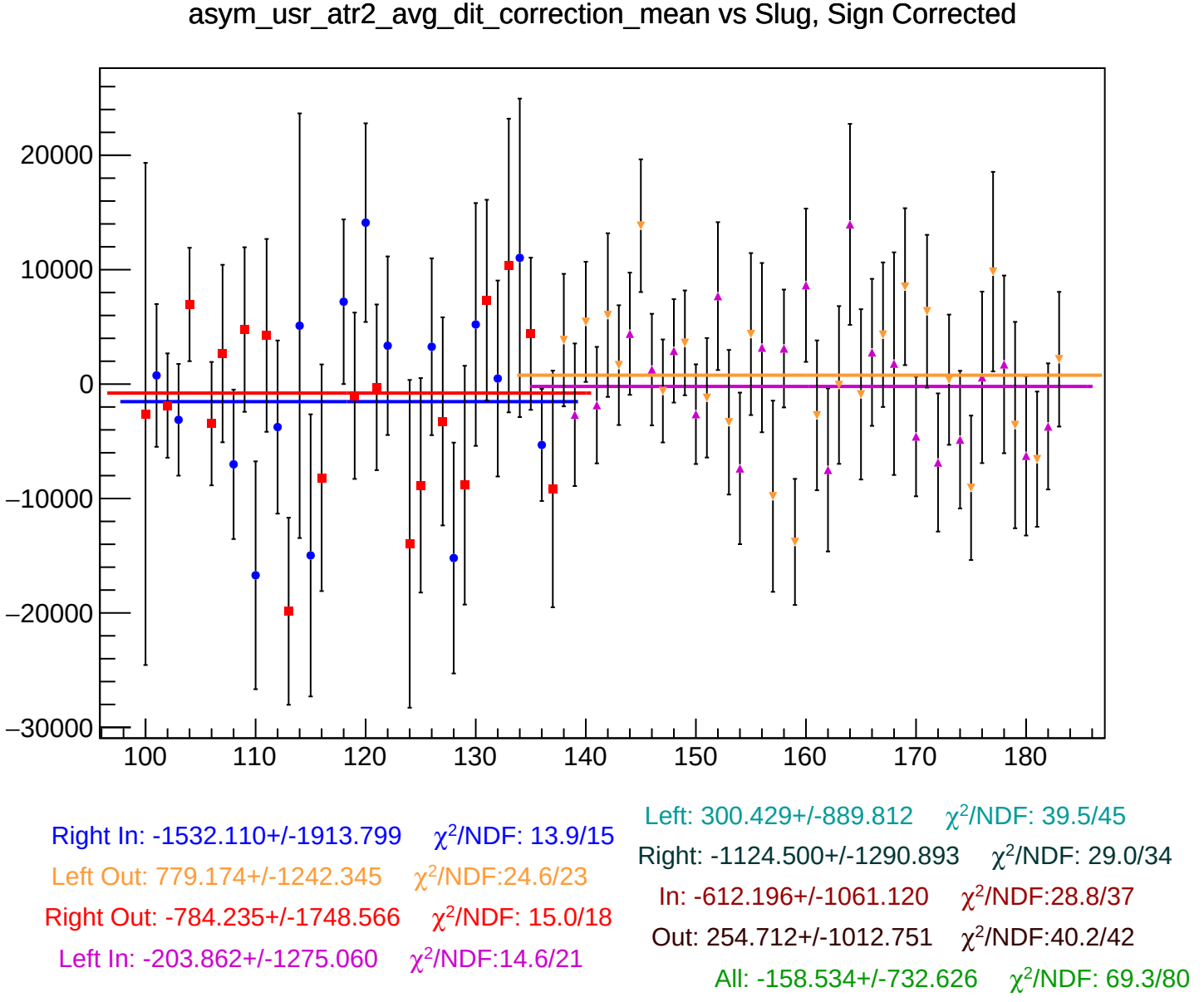
Left: 1590.296+/-0.185 χ^2/NDF: 113178.6/45

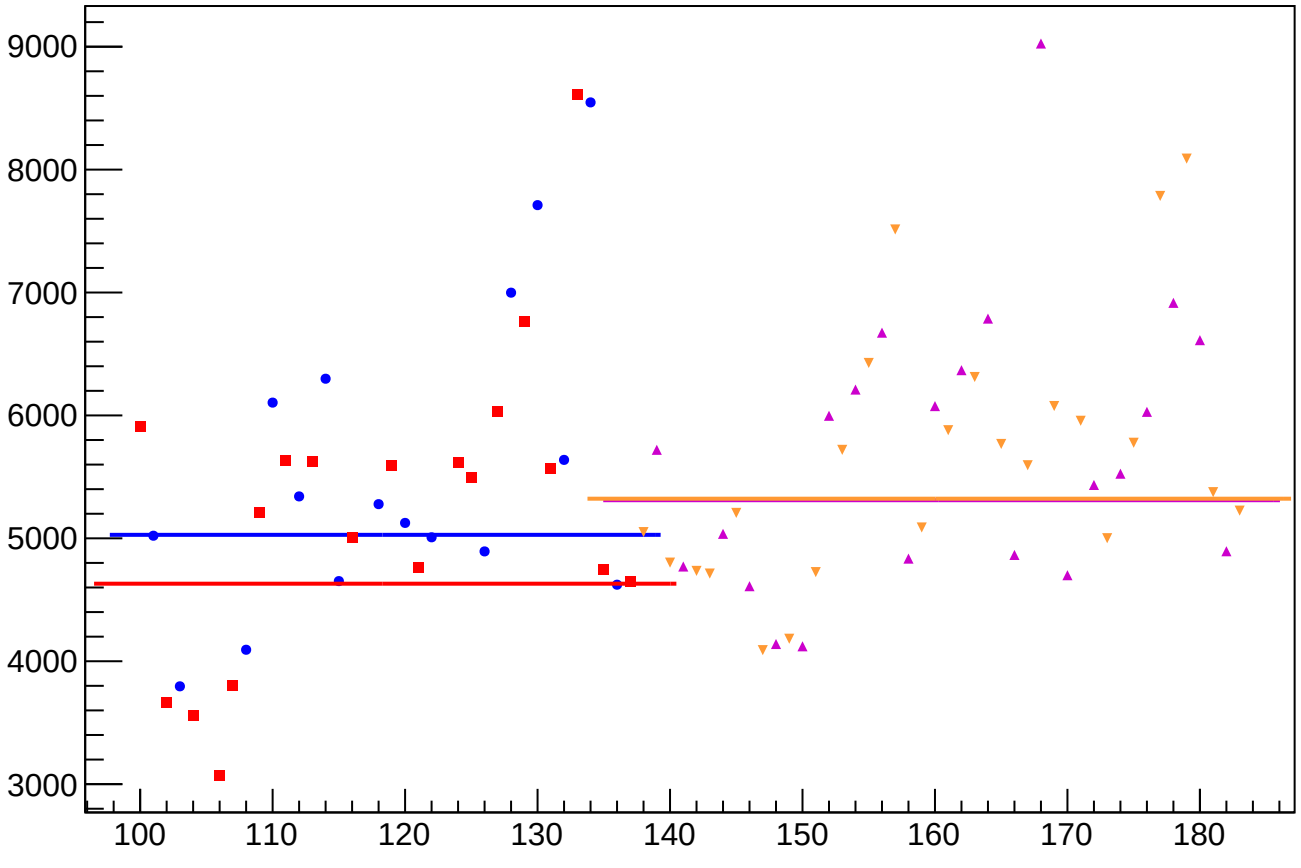
Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1601.591+/-0.226 χ^2/NDF:329782.3/37

Out: 1602.874+/-0.221 χ^2/NDF:312388.0/42

All: 1602.246+/-0.158 χ^2/NDF: 642186.8/80


asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1532.110+/-1913.799 χ²/NDF: 13.9/15
Left Out: 779.174+/-1242.345 χ²/NDF:24.6/23
Right Out: -784.235+/-1748.566 χ²/NDF: 15.0/18
Left In: -203.862+/-1275.060 χ²/NDF:14.6/21
Left: 300.429+/-889.812 χ²/NDF: 39.5/45
Right: -1124.500+/-1290.893 χ²/NDF: 29.0/34
In: -612.196+/-1061.120 χ²/NDF:28.8/37
Out: 254.712+/-1012.751 χ²/NDF:40.2/42
All: -158.534+/-732.626 χ²/NDF: 69.3/80



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5322.496+/-0.878 χ^2/NDF:1036982.3/23

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5310.188+/-0.902 χ^2/NDF:1148967.5/21

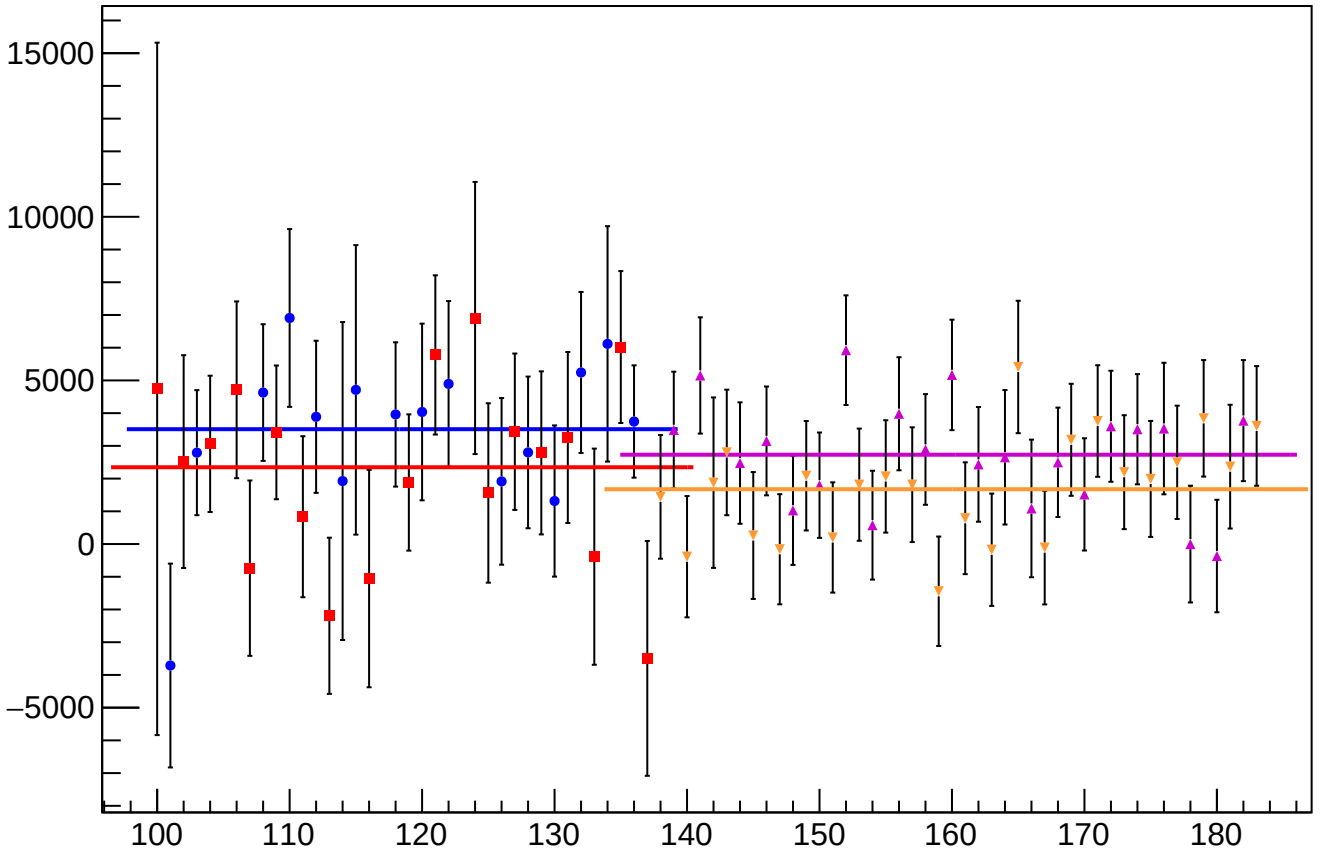
Left: 5316.502+/-0.629 χ^2/NDF: 2186045.4/45

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5223.575+/-0.750 χ^2/NDF:1744456.1/37

Out: 5090.493+/-0.716 χ^2/NDF:2108414.8/42

All: 5153.932+/-0.518 χ^2/NDF: 3869333.4/80



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1675.771+/-365.084 χ^2/NDF:18.9/23

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 2729.381+/-373.661 χ^2/NDF:19.1/21

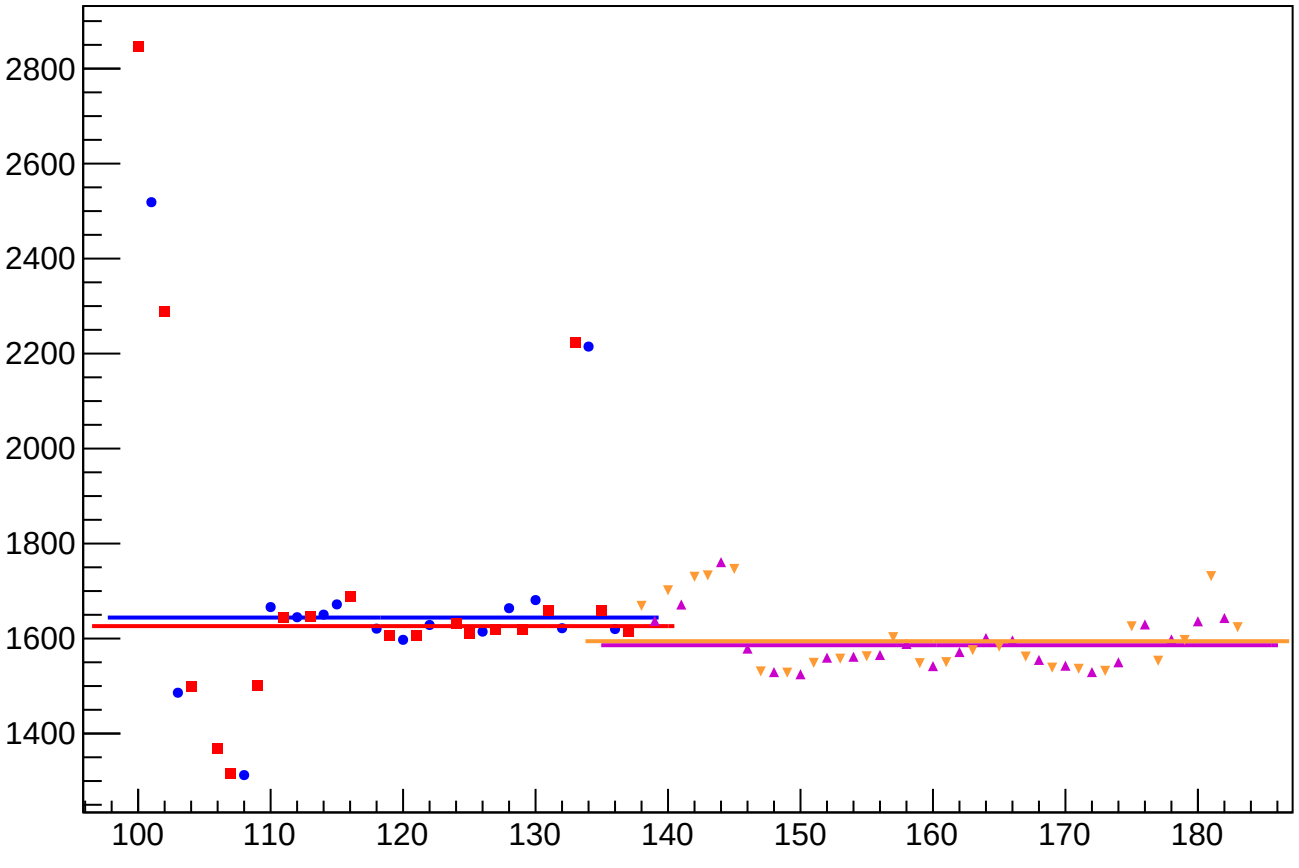
Left: 2190.346+/-261.133 χ^2/NDF: 42.1/45

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 2938.860+/-319.579 χ^2/NDF:30.7/37

Out: 1853.831+/-312.925 χ^2/NDF:36.9/42

All: 2384.931+/-223.587 χ^2/NDF: 73.5/80



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1594.446+/-0.258 χ^2/NDF:70735.3/23

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1585.951+/-0.264 χ^2/NDF:41914.2/21

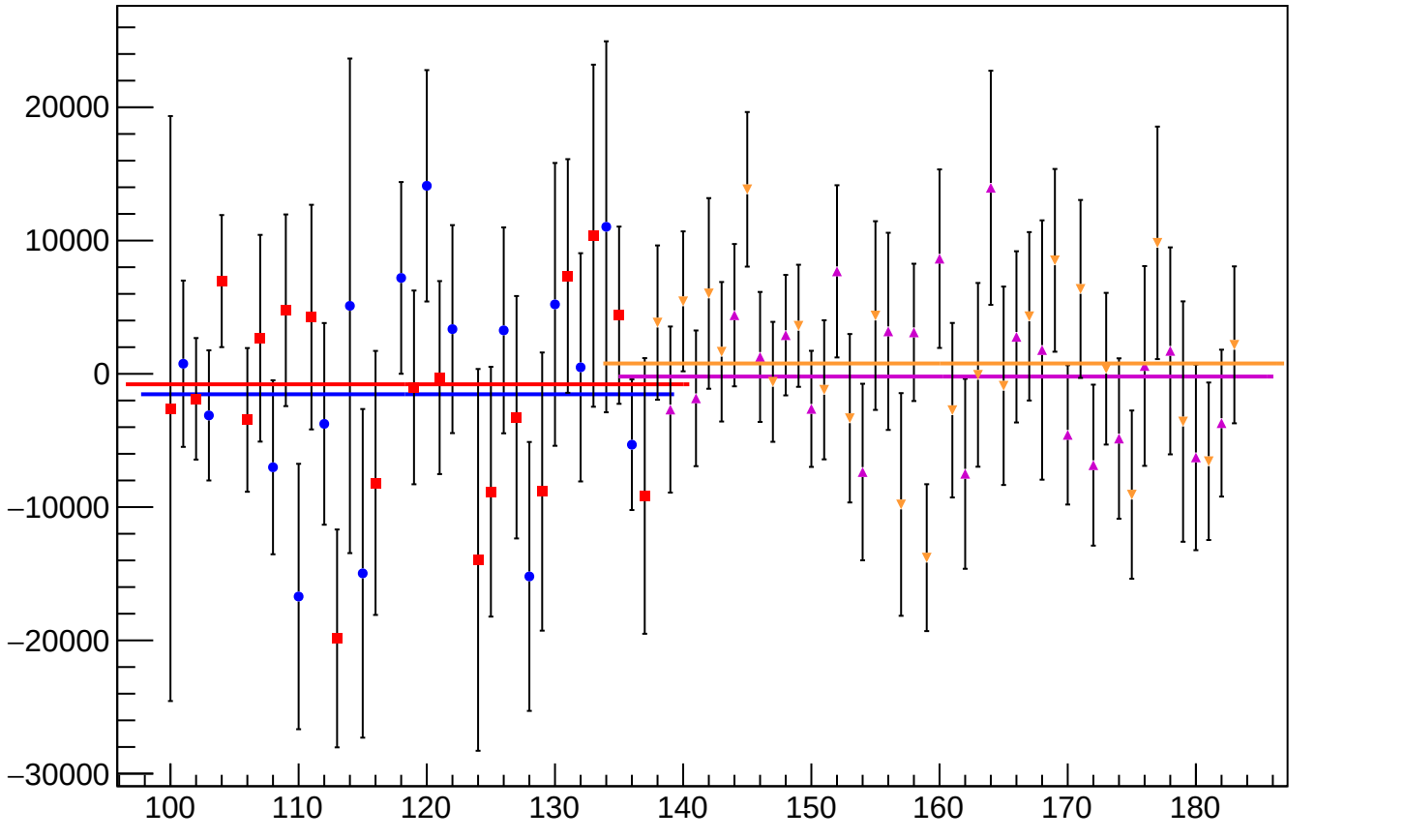
Left: 1590.297+/-0.185 χ^2/NDF: 113178.3/45

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1601.592+/-0.226 χ^2/NDF:329781.5/37

Out: 1602.875+/-0.221 χ^2/NDF:312387.2/42

All: 1602.247+/-0.158 χ^2/NDF: 642185.2/80



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 779.171+/-1242.347 χ^2/NDF:24.6/23

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -203.864+/-1275.062 χ^2/NDF:14.6/21

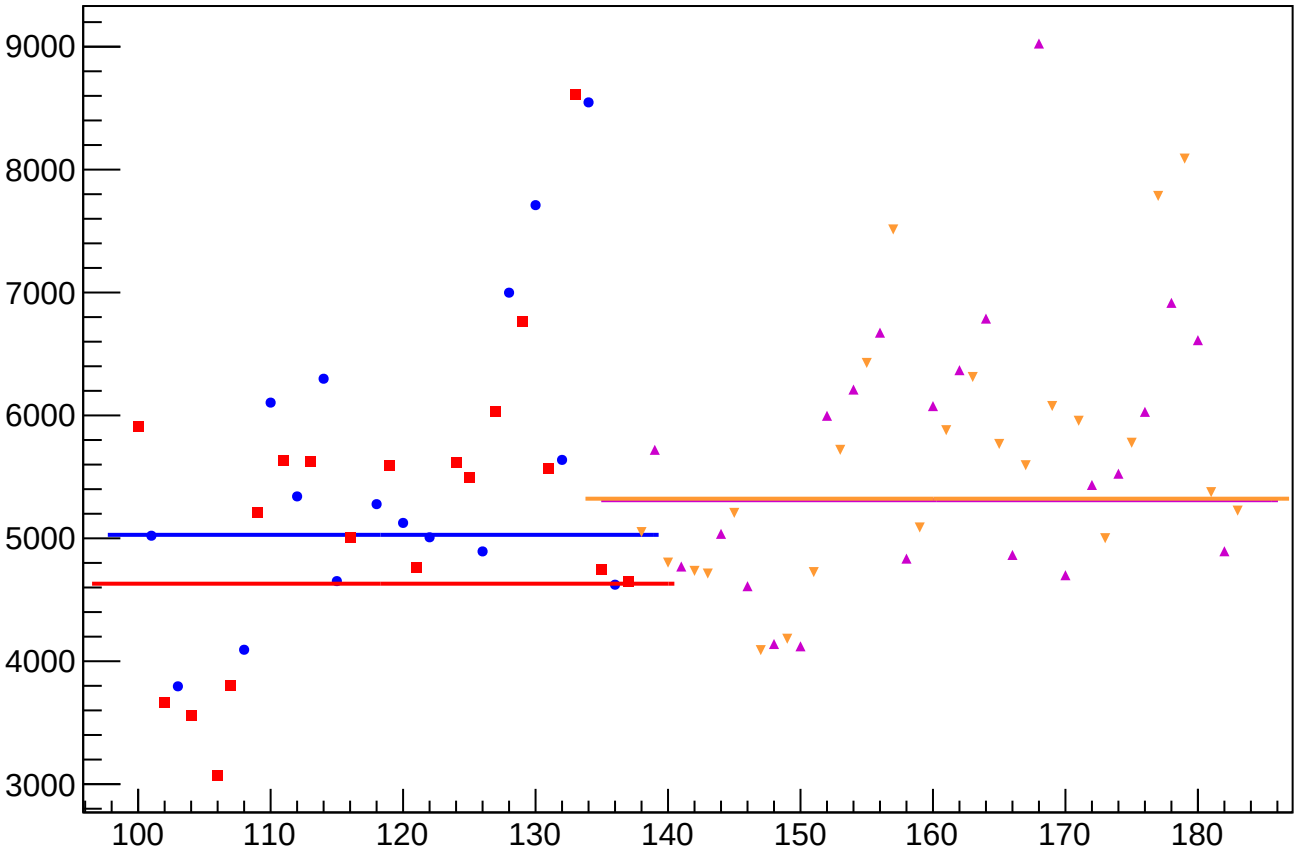
Left: 300.427+/-889.813 χ^2/NDF: 39.5/45

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -612.195+/-1061.121 χ^2/NDF:28.8/37

Out: 254.707+/-1012.752 χ^2/NDF:40.2/42

All: -158.536+/-732.627 χ^2/NDF: 69.3/80



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5322.506+/-0.878 χ^2/NDF:1036984.6/23

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: 5316.511+/-0.629 χ^2/NDF: 2186051.7/45

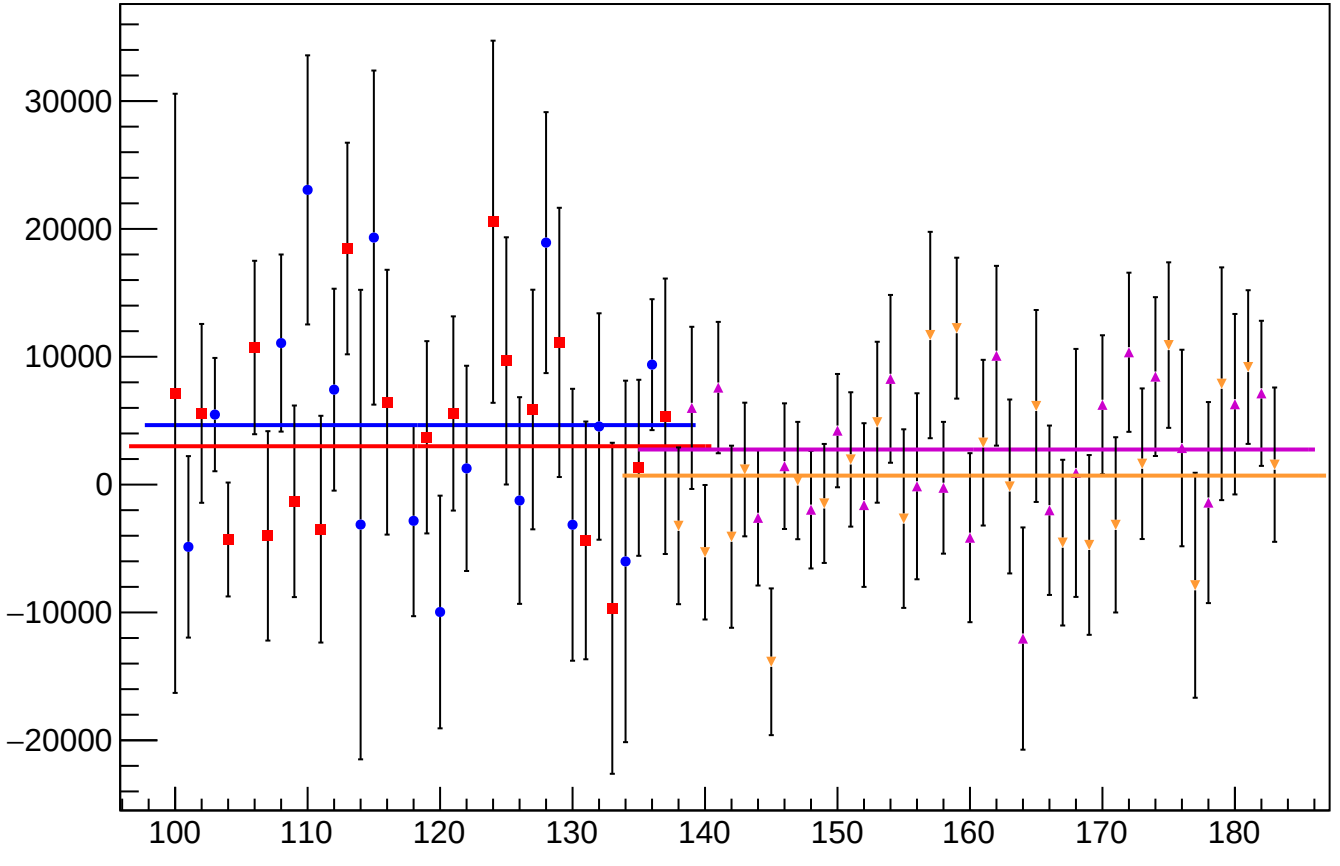
Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5223.579+/-0.750 χ^2/NDF:1744457.1/37

Out: 5090.496+/-0.716 χ^2/NDF:2108420.6/42

All: 5153.935+/-0.518 χ^2/NDF: 3869340.4/80

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 703.621+/-1255.348 χ^2/NDF:24.2/23

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: 1697.164+/-899.415 χ^2/NDF: 40.0/45

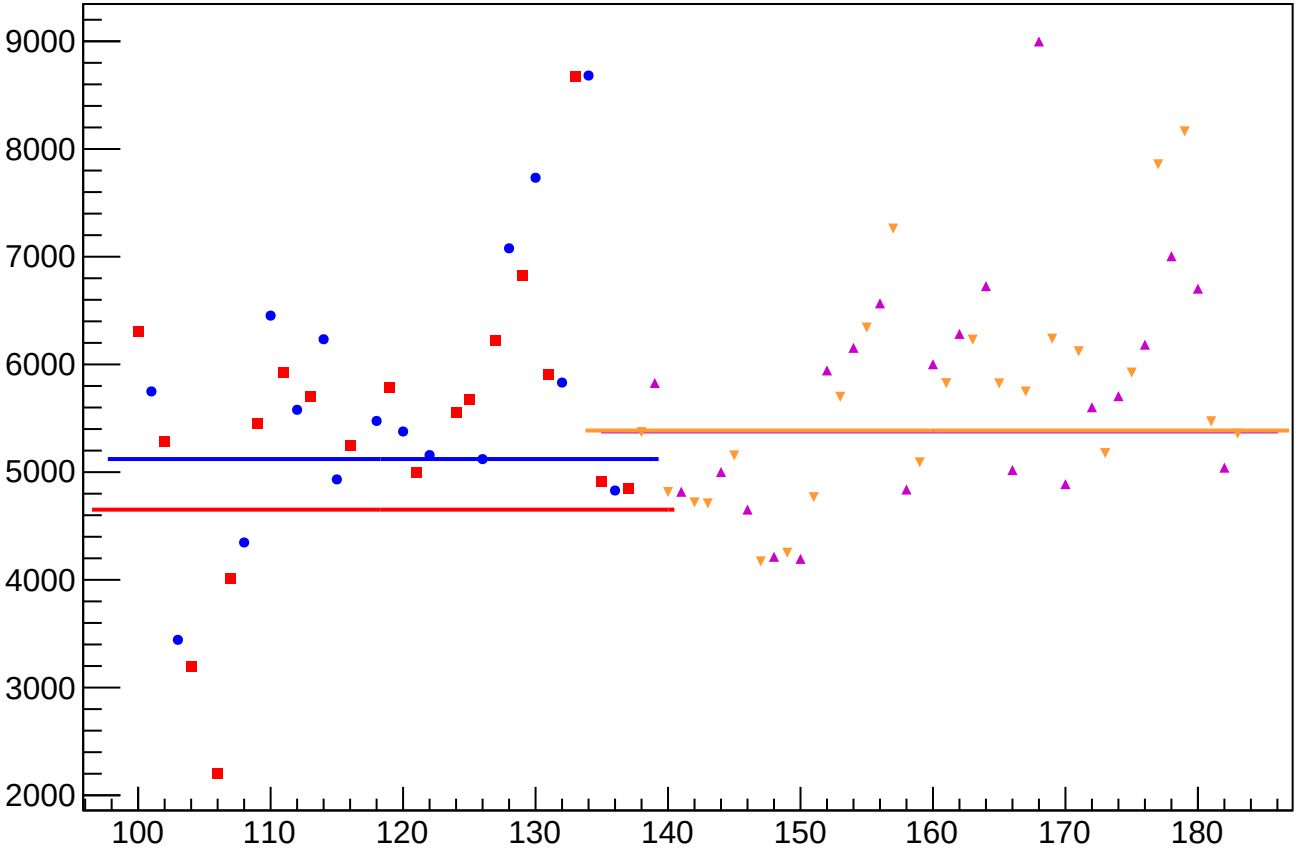
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3321.968+/-1076.873 χ^2/NDF:30.7/37

Out: 1410.605+/-1044.478 χ^2/NDF:39.1/42

All: 2337.105+/-749.749 χ^2/NDF: 71.4/80

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5386.162+/-0.888 χ^2/NDF:987065.8/23

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5377.952+/-0.912 χ^2/NDF:1070146.6/21

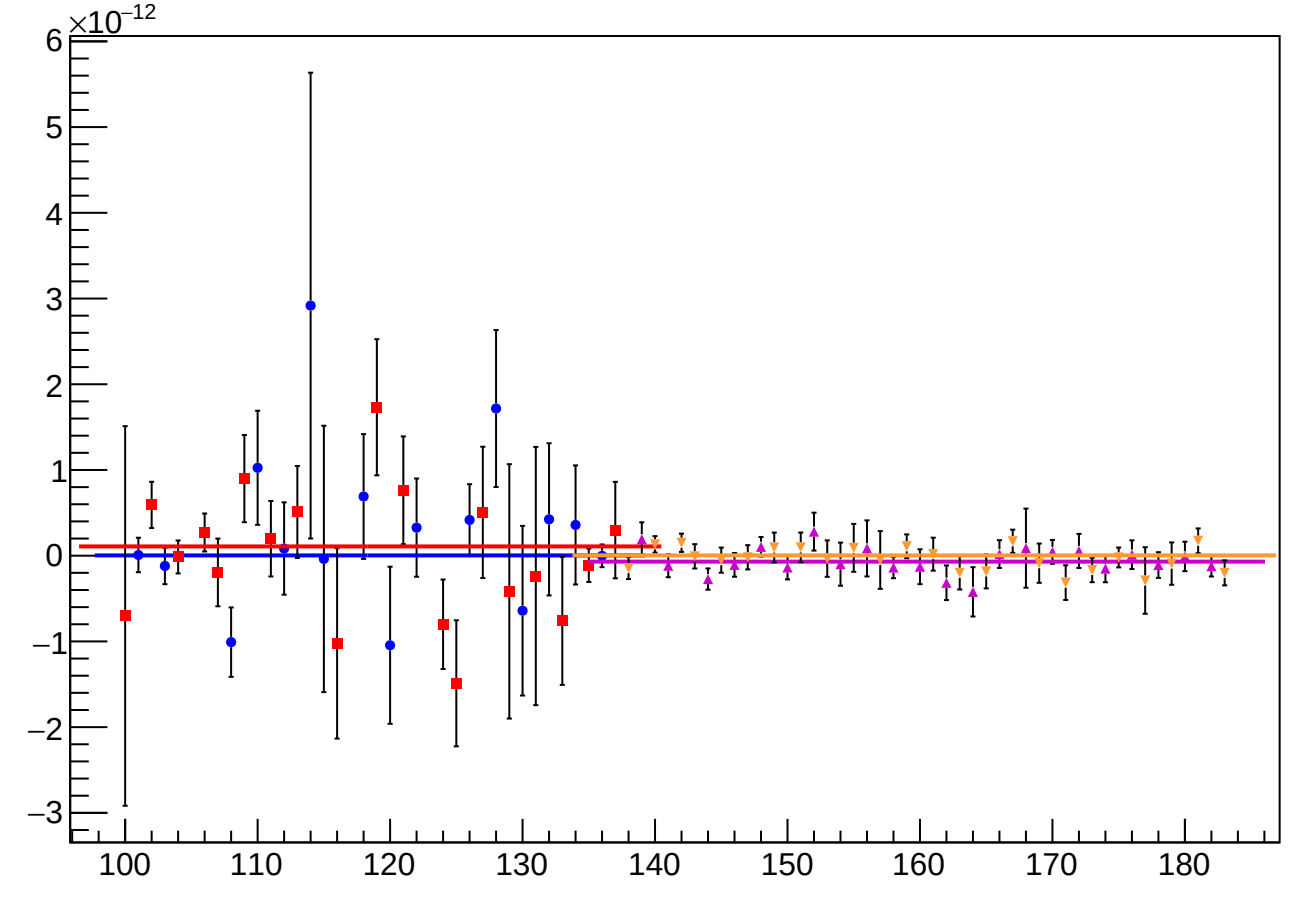
Left: 5382.167+/-0.636 χ^2/NDF: 2057254.0/45

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5300.462+/-0.761 χ^2/NDF:1814414.6/37

Out: 5147.746+/-0.729 χ^2/NDF:2554158.5/42

All: 5220.830+/-0.527 χ^2/NDF: 4389546.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.6/21

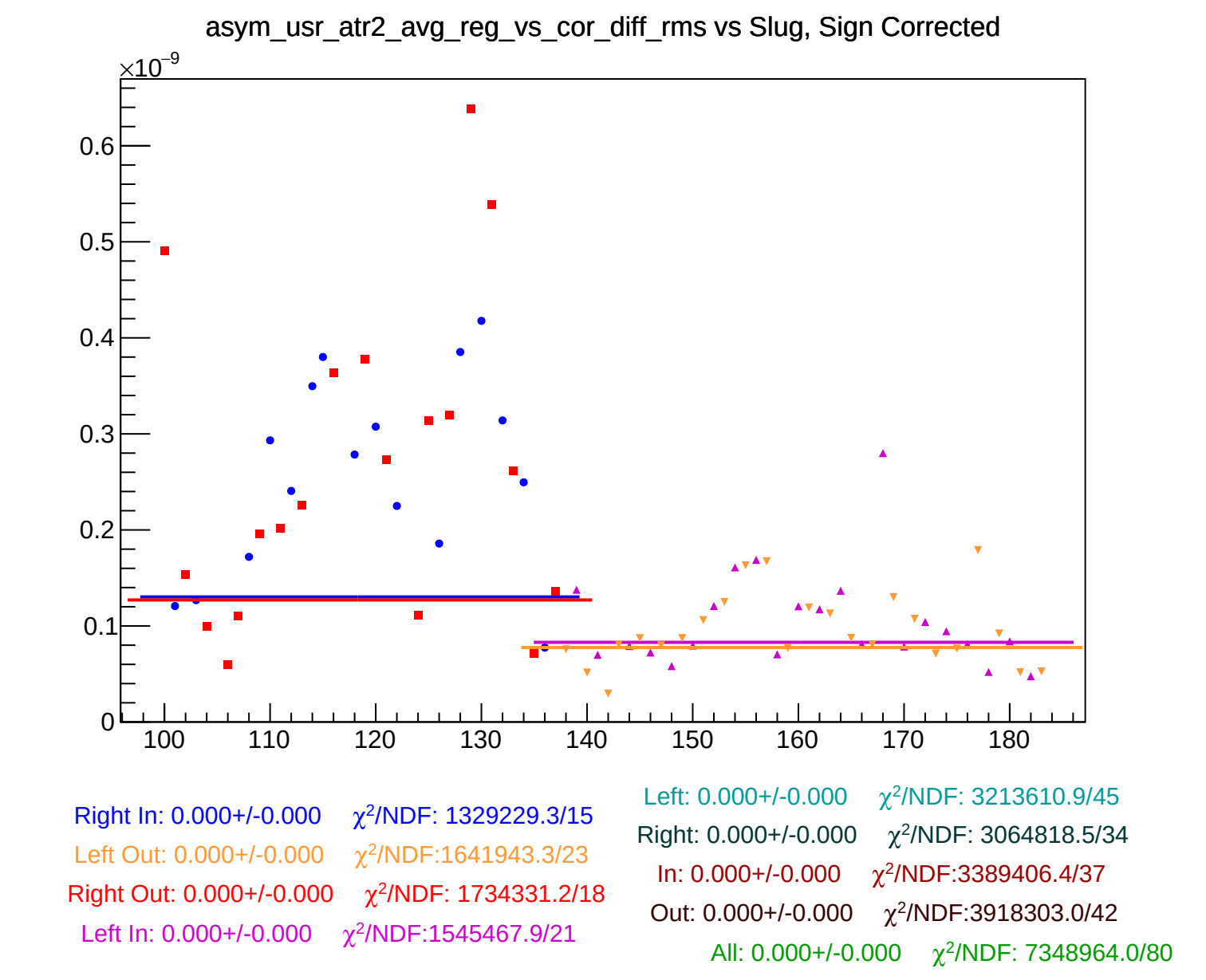
Left: -0.000+/-0.000 χ^2/NDF: 36.2/45

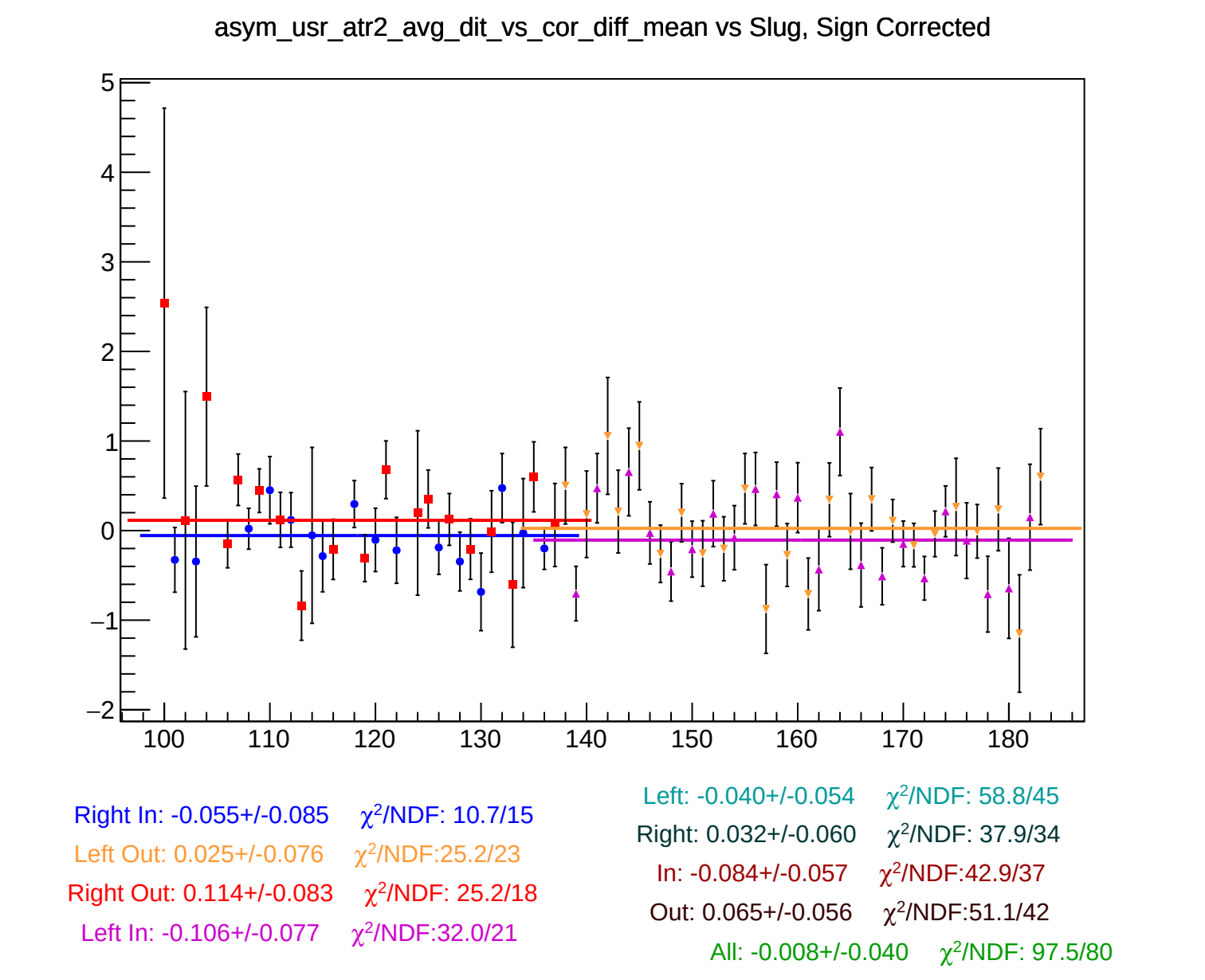
Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

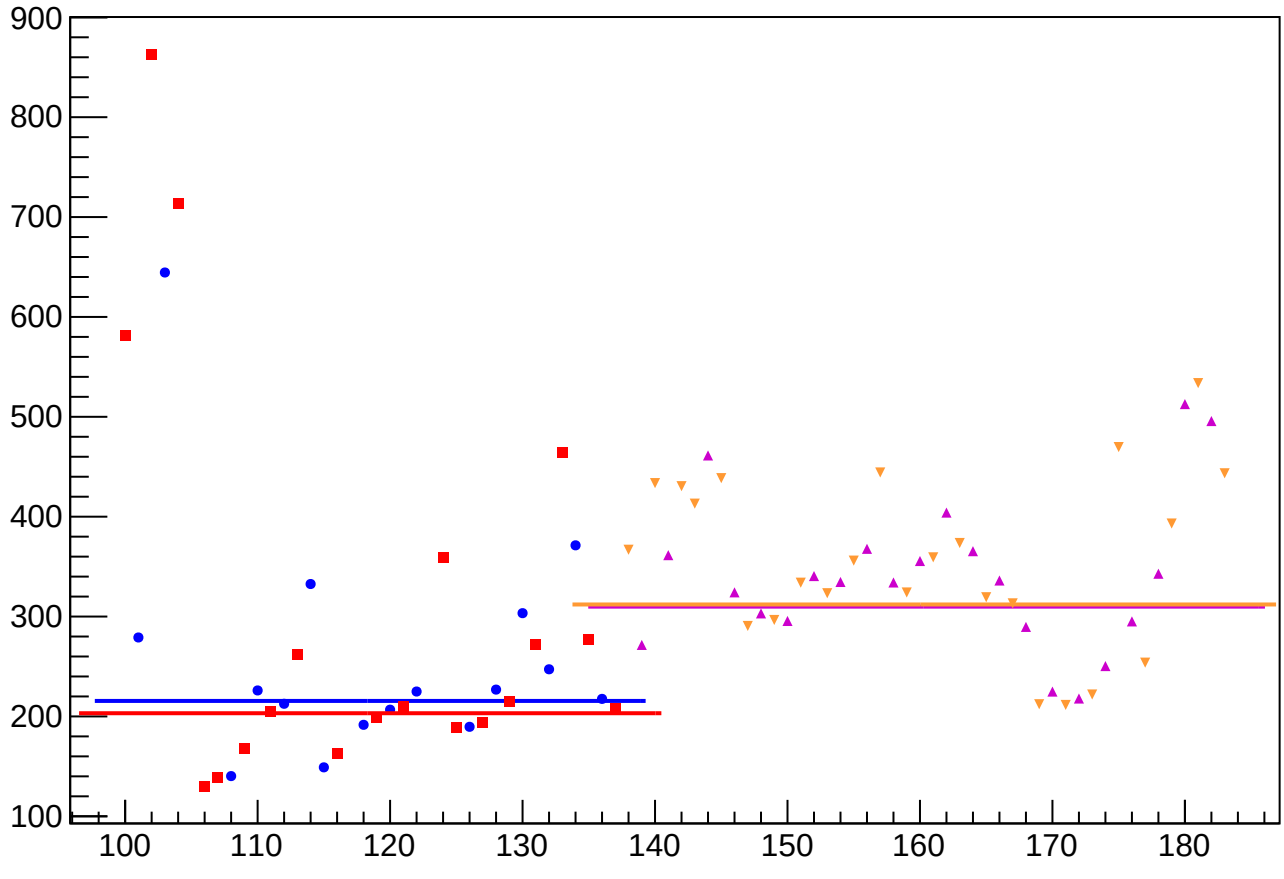
In: -0.000+/-0.000 χ^2/NDF:34.3/37

Out: 0.000+/-0.000 χ^2/NDF:44.5/42

All: -0.000+/-0.000 χ^2/NDF: 81.7/80


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:1641943.3/23
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: 3213610.9/45
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:3918303.0/42
All: 0.000+/-0.000 χ²/NDF: 7348964.0/80


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: 0.025+/-0.076 χ²/NDF:25.2/23
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.106+/-0.077 χ²/NDF:32.0/21
Left: -0.040+/-0.054 χ²/NDF: 58.8/45
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.084+/-0.057 χ²/NDF:42.9/37
Out: 0.065+/-0.056 χ²/NDF:51.1/42
All: -0.008+/-0.040 χ²/NDF: 97.5/80



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 312.092+/-0.053 χ^2/NDF:2320356.6/23

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: 311.030+/-0.038 χ^2/NDF: 3885409.8/45

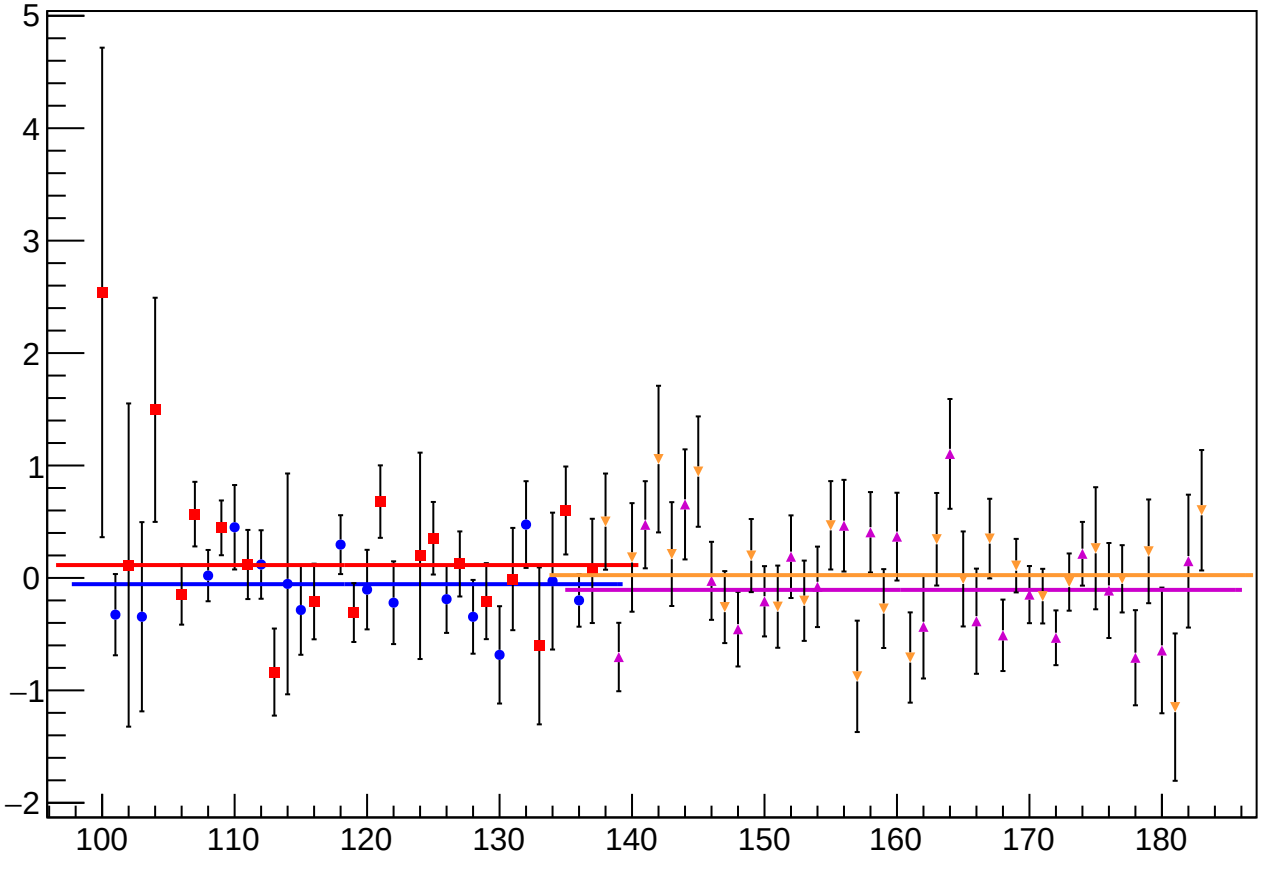
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 267.863+/-0.040 χ^2/NDF:4066089.8/37

Out: 262.857+/-0.040 χ^2/NDF:6031740.7/42

All: 265.311+/-0.028 χ^2/NDF: 10105675.9/80

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.025+/-0.076 χ^2/NDF:25.2/23

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.106+/-0.077 χ^2/NDF:32.0/21

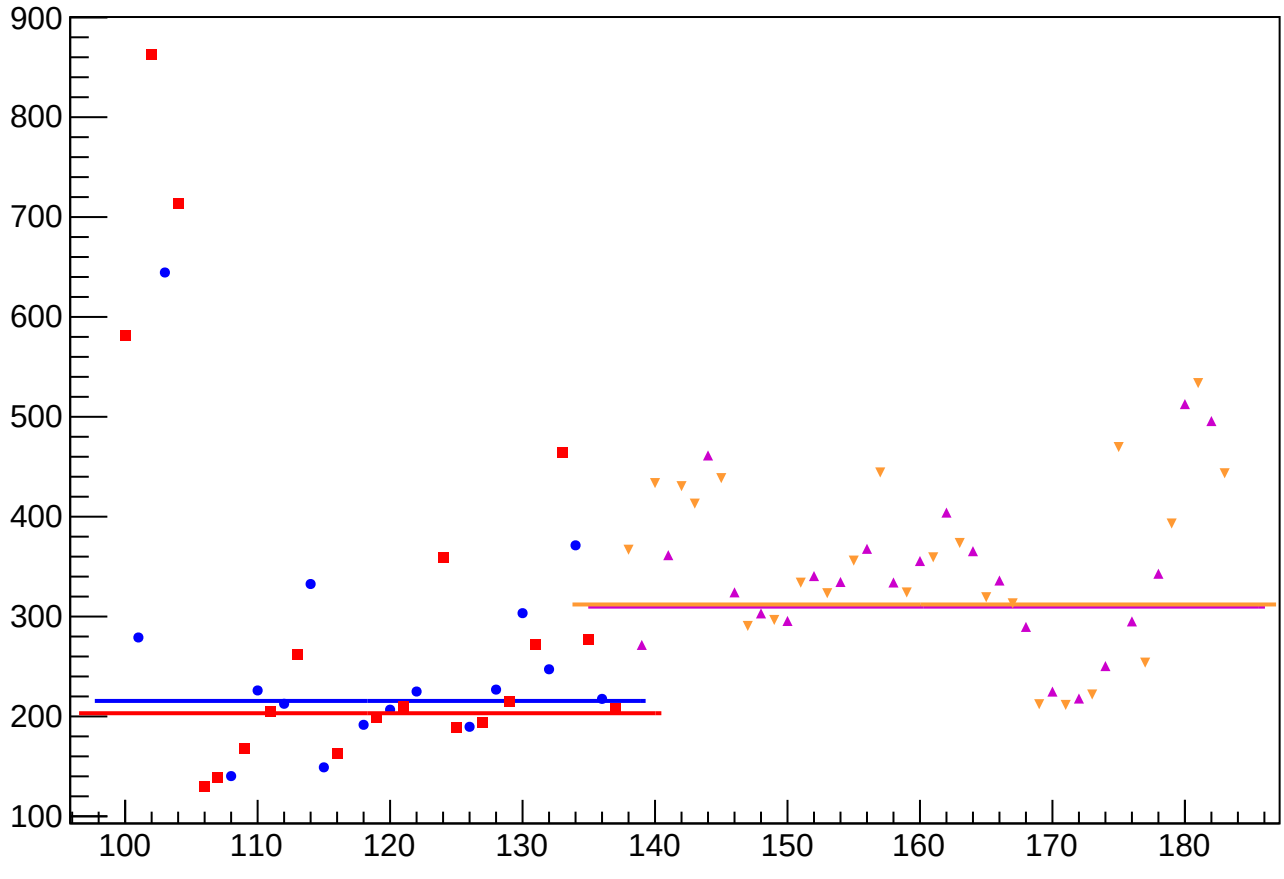
Left: -0.040+/-0.054 χ^2/NDF: 58.8/45

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.084+/-0.057 χ^2/NDF:42.9/37

Out: 0.065+/-0.056 χ^2/NDF:51.1/42

All: -0.008+/-0.040 χ^2/NDF: 97.5/80



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 312.092+/-0.053 χ^2/NDF:2320356.6/23

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 309.939+/-0.054 χ^2/NDF:1564253.4/21

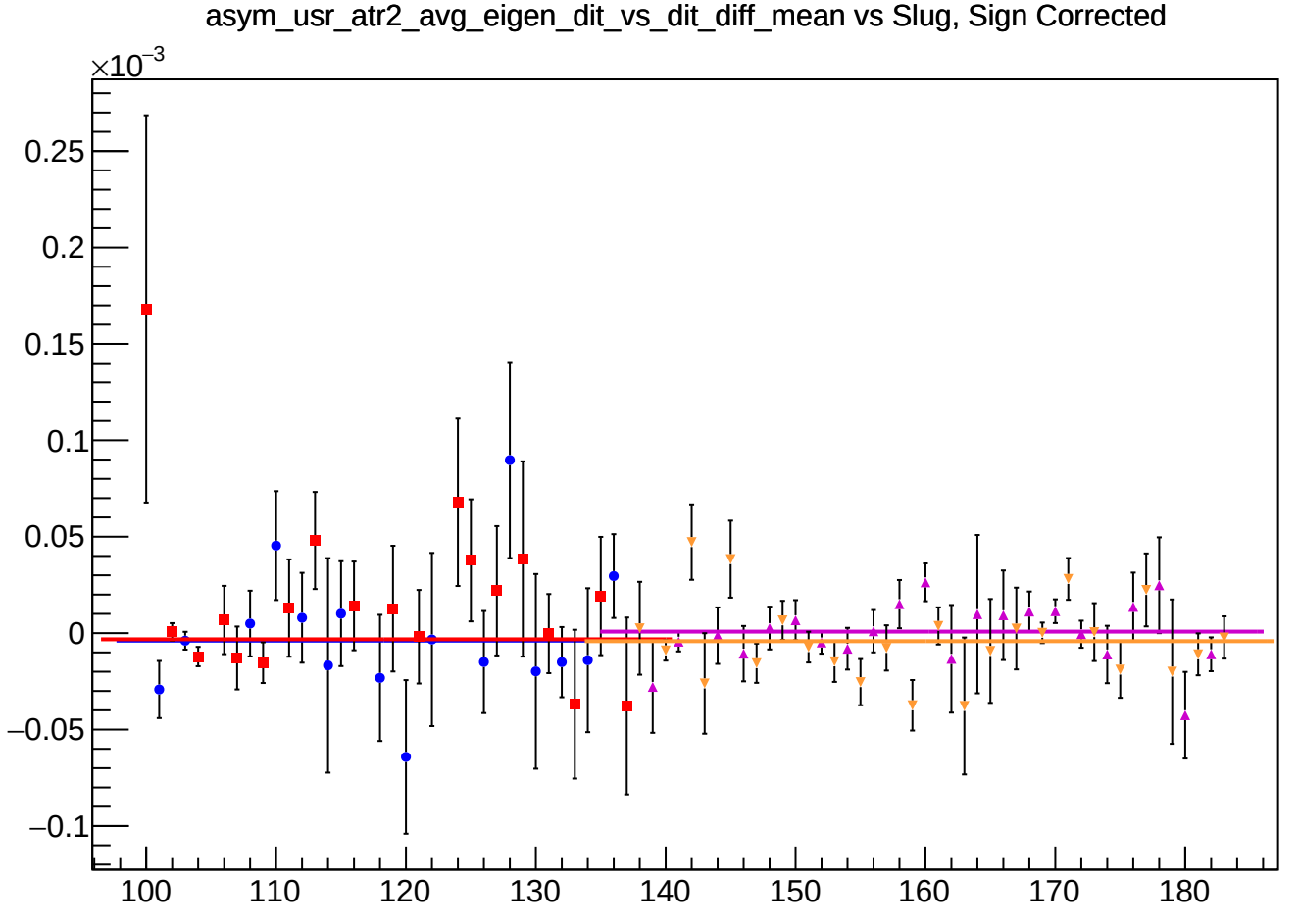
Left: 311.030+/-0.038 χ^2/NDF: 3885409.8/45

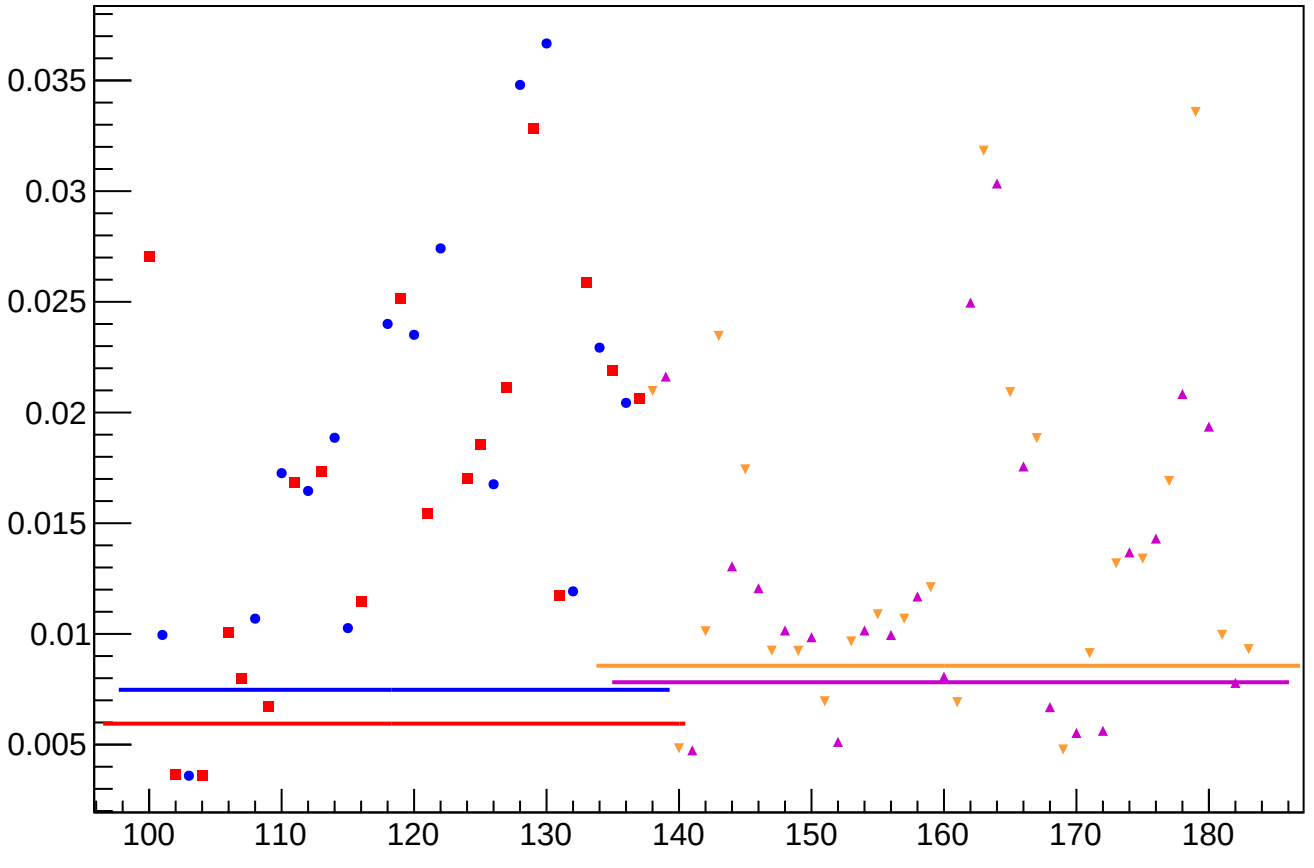
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 267.863+/-0.040 χ^2/NDF:4066089.8/37

Out: 262.857+/-0.040 χ^2/NDF:6031740.7/42

All: 265.311+/-0.028 χ^2/NDF: 10105675.9/80


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:41.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: 0.000+/-0.000 χ²/NDF:25.3/21
Left: -0.000+/-0.000 χ²/NDF: 69.0/45
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:42.4/37
Out: -0.000+/-0.000 χ²/NDF:62.9/42
All: -0.000+/-0.000 χ²/NDF: 107.1/80



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:7560631.8/23

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: 14343984.4/45

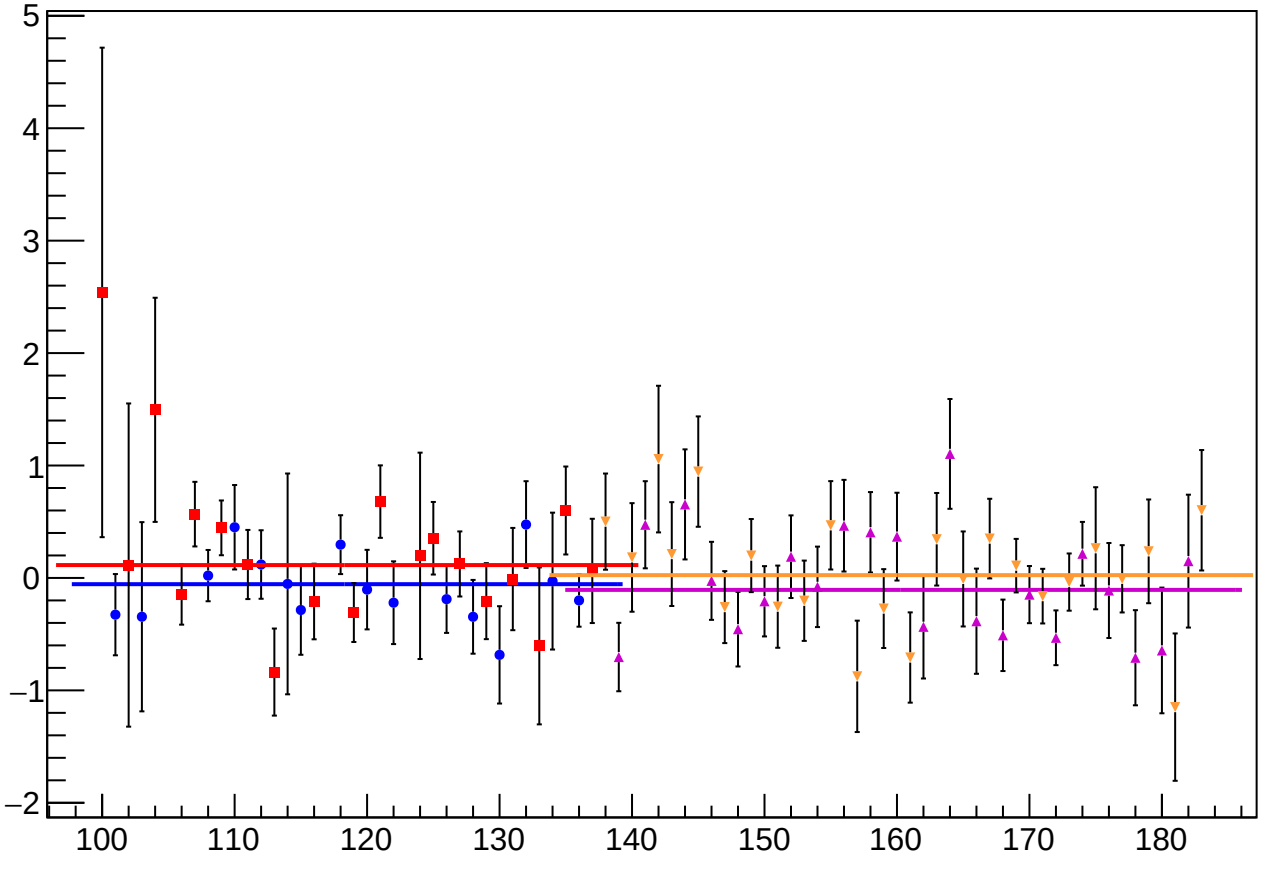
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:12757603.4/37

Out: 0.008+/-0.000 χ^2/NDF:14509919.7/42

All: 0.008+/-0.000 χ^2/NDF: 27274994.1/80

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: 0.025+/-0.076 χ^2/NDF:25.2/23

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.106+/-0.077 χ^2/NDF:32.0/21

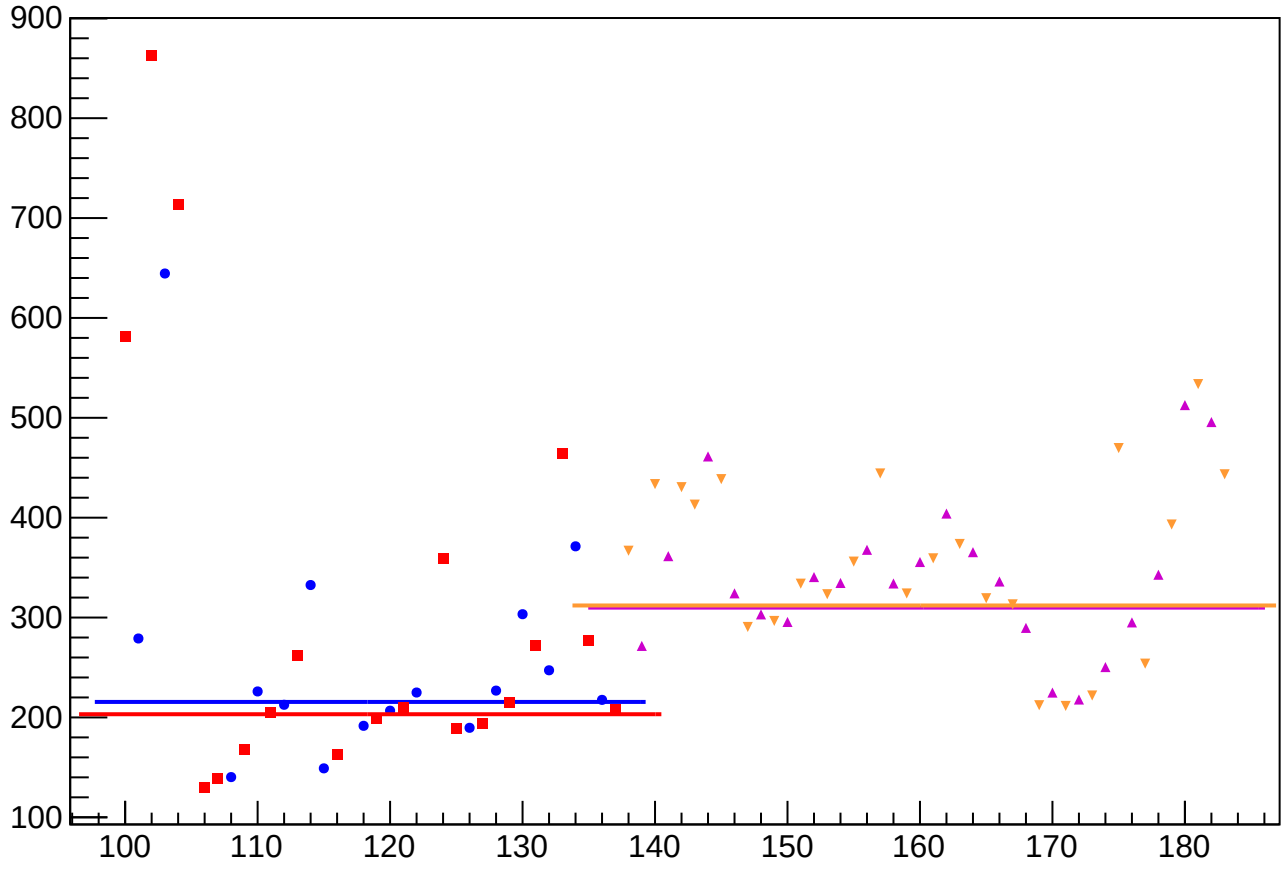
Left: -0.040+/-0.054 χ^2/NDF: 58.8/45

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.084+/-0.057 χ^2/NDF:42.9/37

Out: 0.065+/-0.056 χ^2/NDF:51.1/42

All: -0.008+/-0.040 χ^2/NDF: 97.5/80



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 312.095+/-0.053 χ^2/NDF:2320426.3/23

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: 311.033+/-0.038 χ^2/NDF: 3885513.3/45

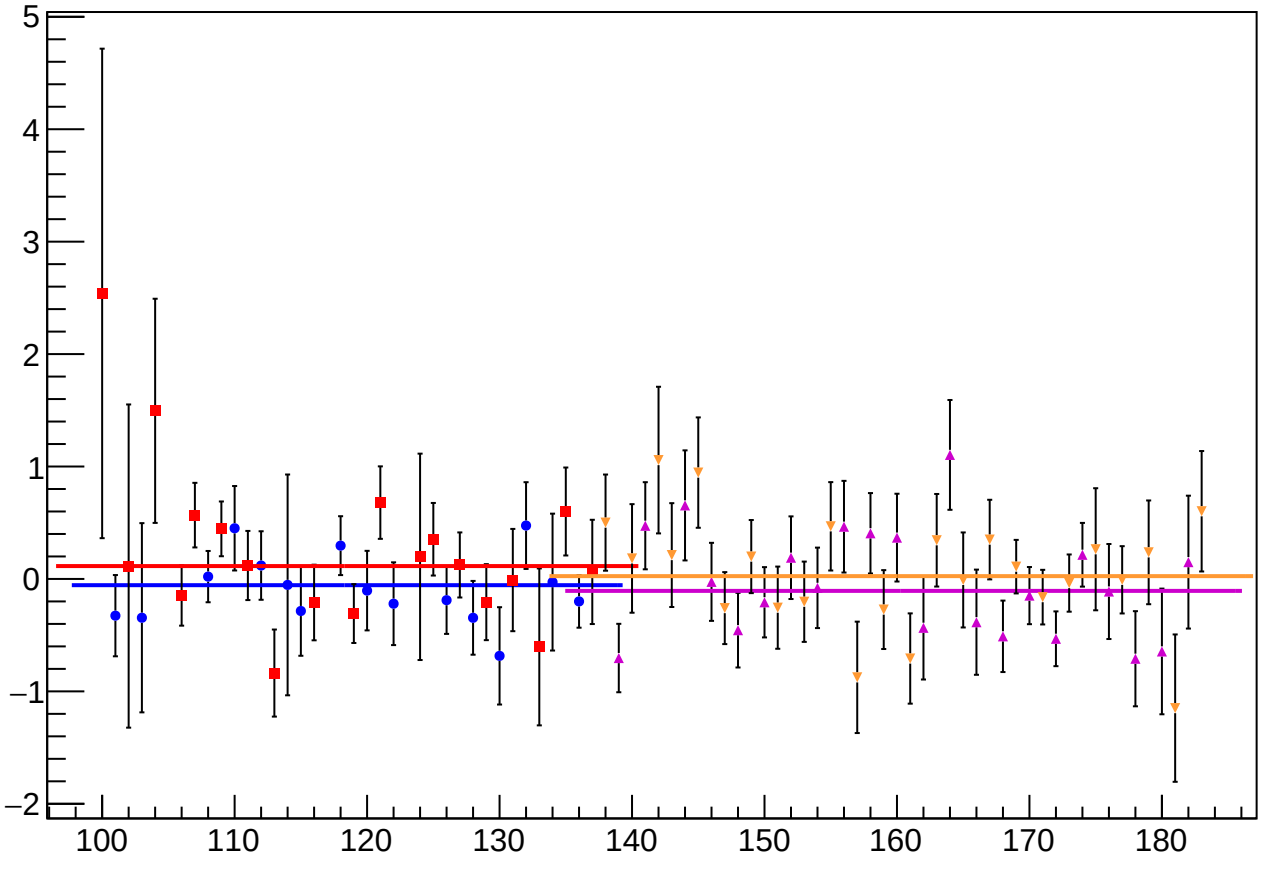
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 267.863+/-0.040 χ^2/NDF:4066226.9/37

Out: 262.857+/-0.040 χ^2/NDF:6031949.2/42

All: 265.312+/-0.028 χ^2/NDF: 10106022.9/80

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: 0.025+/-0.076 χ^2/NDF:25.2/23

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.106+/-0.077 χ^2/NDF:32.0/21

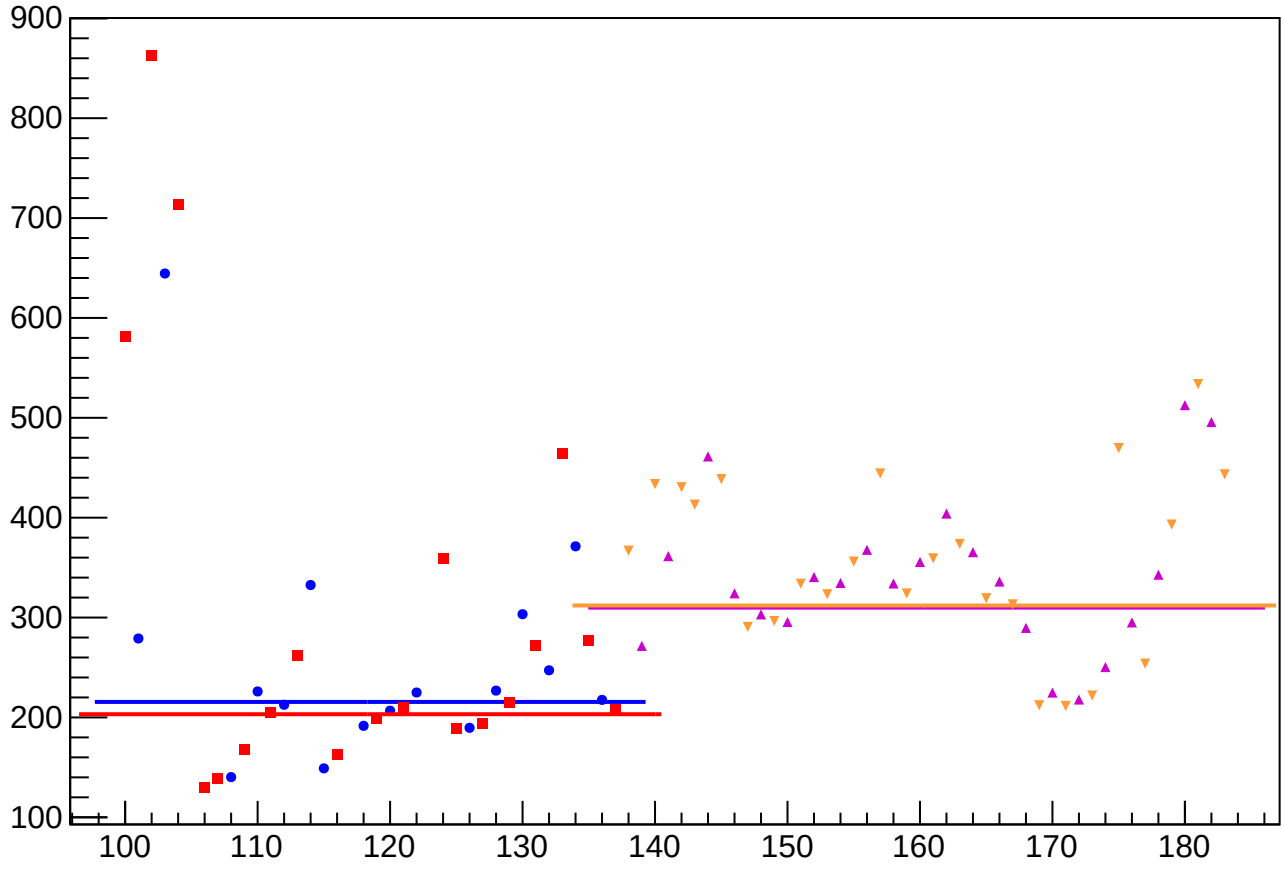
Left: -0.040+/-0.054 χ^2/NDF: 58.8/45

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.084+/-0.057 χ^2/NDF:42.9/37

Out: 0.065+/-0.056 χ^2/NDF:51.1/42

All: -0.008+/-0.040 χ^2/NDF: 97.5/80



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 312.095+/-0.053 χ^2/NDF:2320426.3/23

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 309.942+/-0.054 χ^2/NDF:1564287.4/21

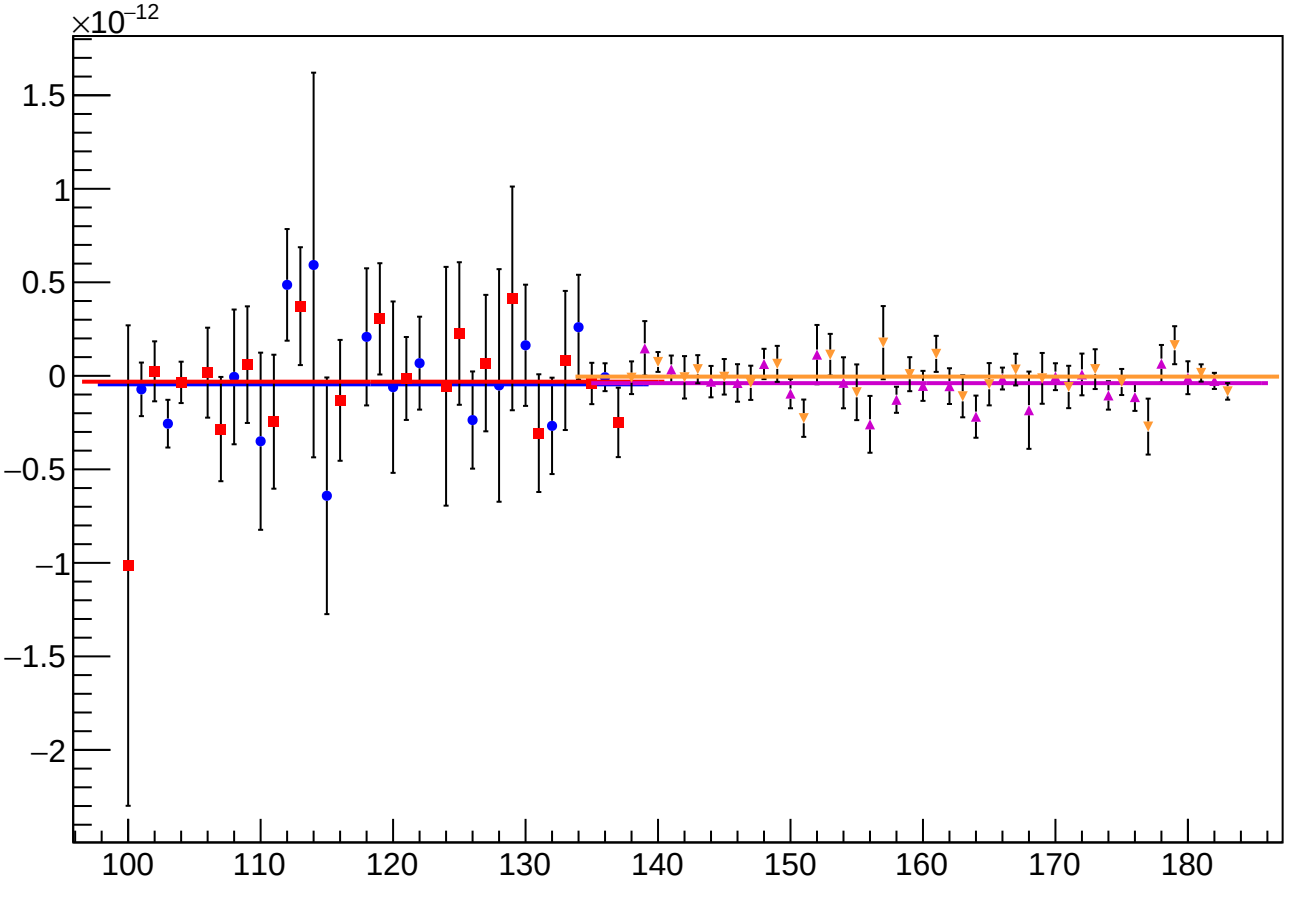
Left: 311.033+/-0.038 χ^2/NDF: 3885513.3/45

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 267.863+/-0.040 χ^2/NDF:4066226.9/37

Out: 262.857+/-0.040 χ^2/NDF:6031949.2/42

All: 265.312+/-0.028 χ^2/NDF: 10106022.9/80



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.1/21

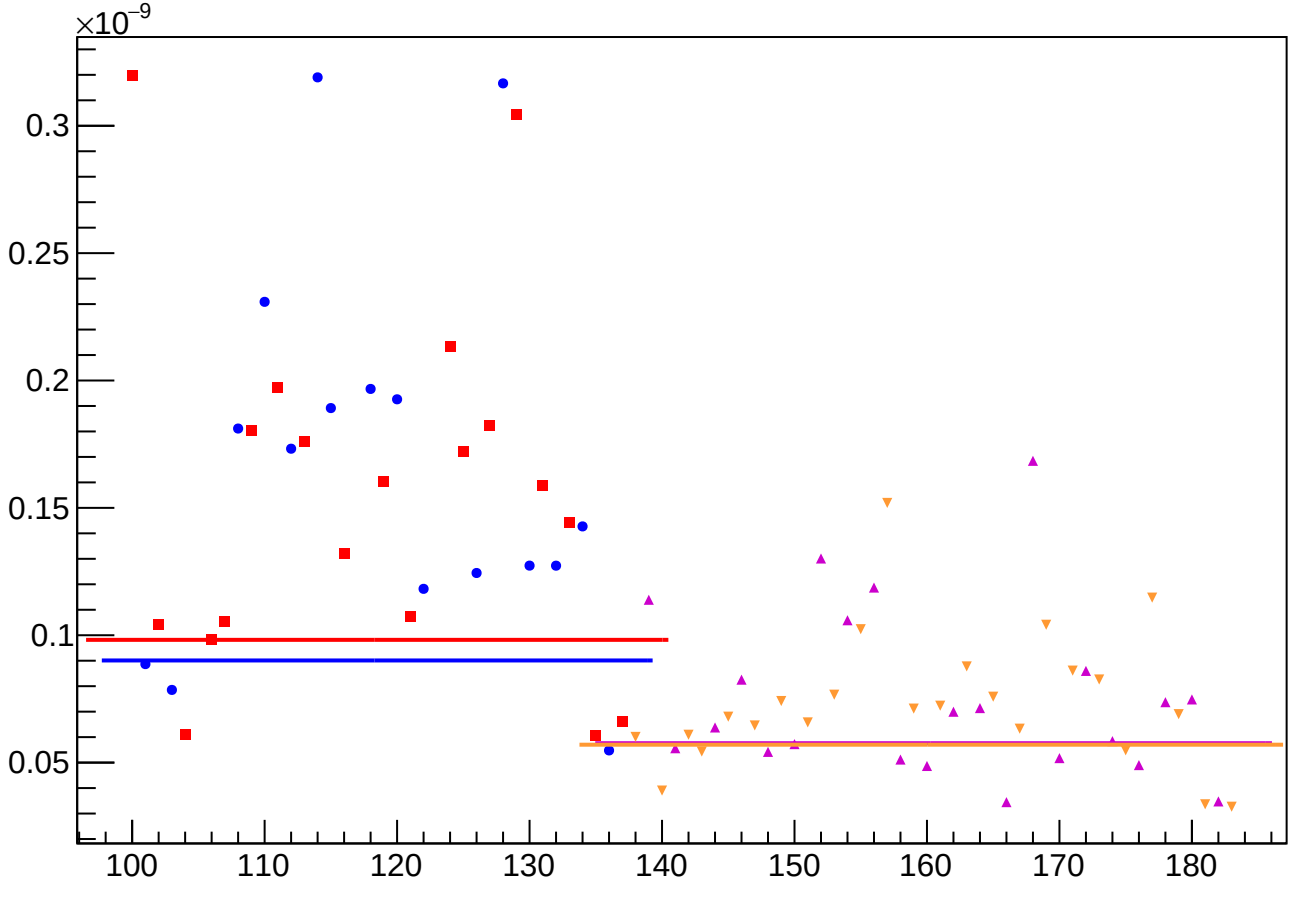
Left: -0.000+/-0.000 χ^2/NDF: 41.0/45

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:31.6/42

All: -0.000+/-0.000 χ^2/NDF: 61.1/80



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3321630.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3285844.0/21

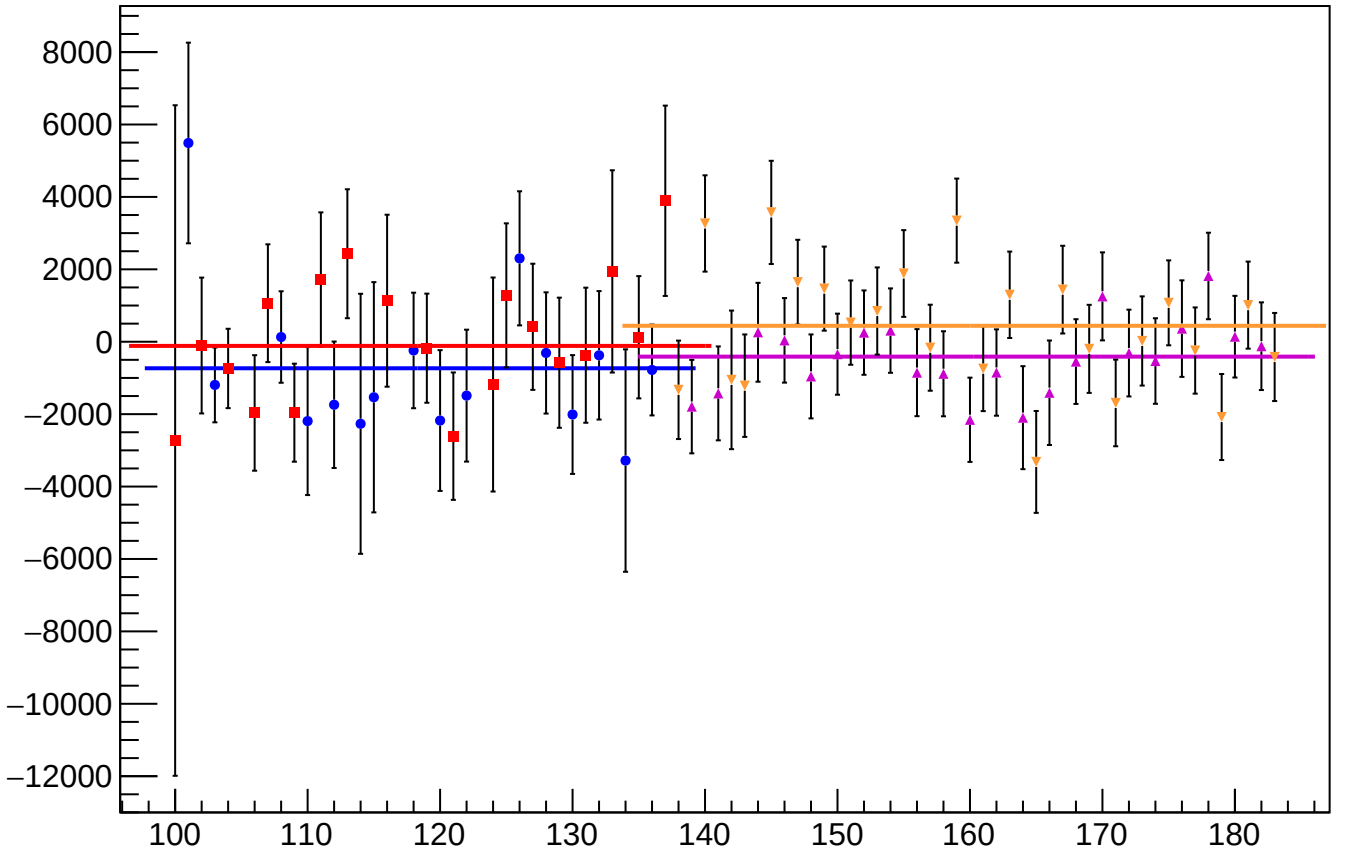
Left: 0.000+/-0.000 χ^2/NDF: 6608622.1/45

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:6143532.2/42

All: 0.000+/-0.000 χ^2/NDF: 11988016.3/80



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 440.225+/-253.377 χ^2/NDF:41.7/23

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -411.425+/-259.381 χ^2/NDF:13.7/21

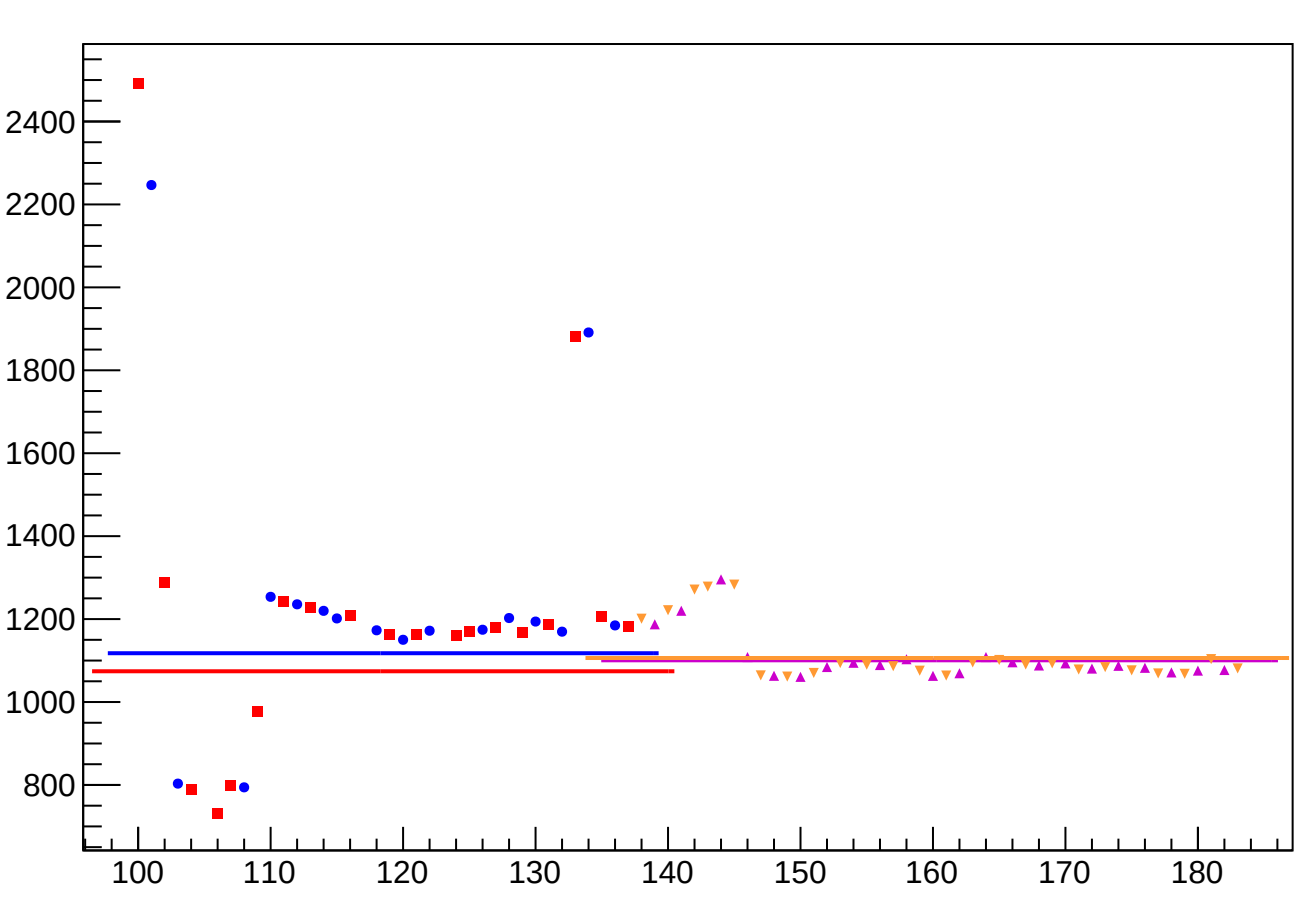
Left: 24.371+/-181.250 χ^2/NDF: 60.9/45

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -497.920+/-221.739 χ^2/NDF:25.8/37

Out: 287.544+/-215.747 χ^2/NDF:56.1/42

All: -94.432+/-154.631 χ^2/NDF: 88.4/80



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1106.139+/-0.179 χ^2/NDF:121199.5/23

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1100.617+/-0.183 χ^2/NDF:80113.7/21

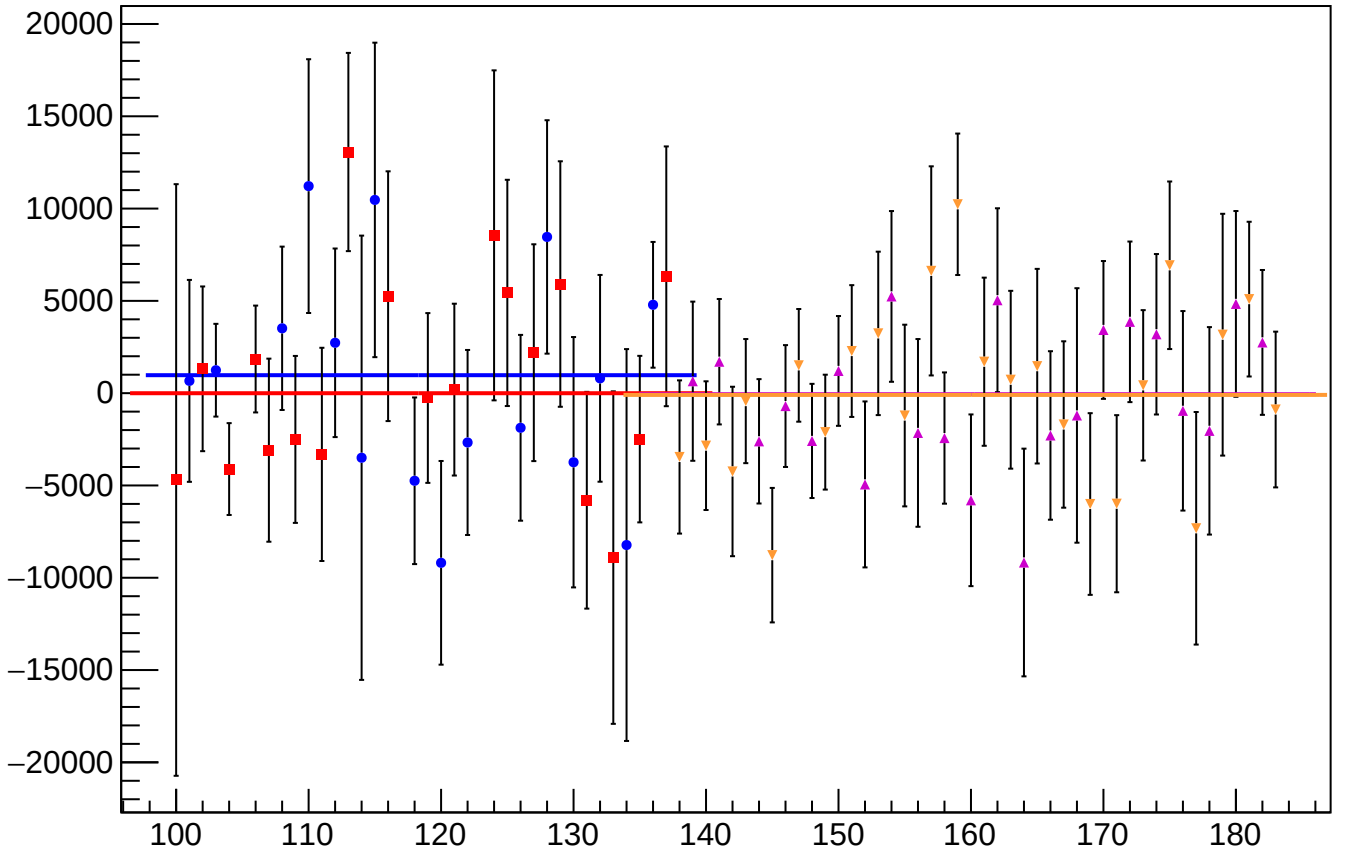
Left: 1103.443+/-0.128 χ^2/NDF: 201777.0/45

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1105.211+/-0.157 χ^2/NDF:902279.5/37

Out: 1097.236+/-0.152 χ^2/NDF:779580.8/42

All: 1101.105+/-0.109 χ^2/NDF: 1683192.2/80



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -93.791+/-856.260 χ^2/NDF:27.1/23

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -56.187+/-883.316 χ^2/NDF:13.7/21

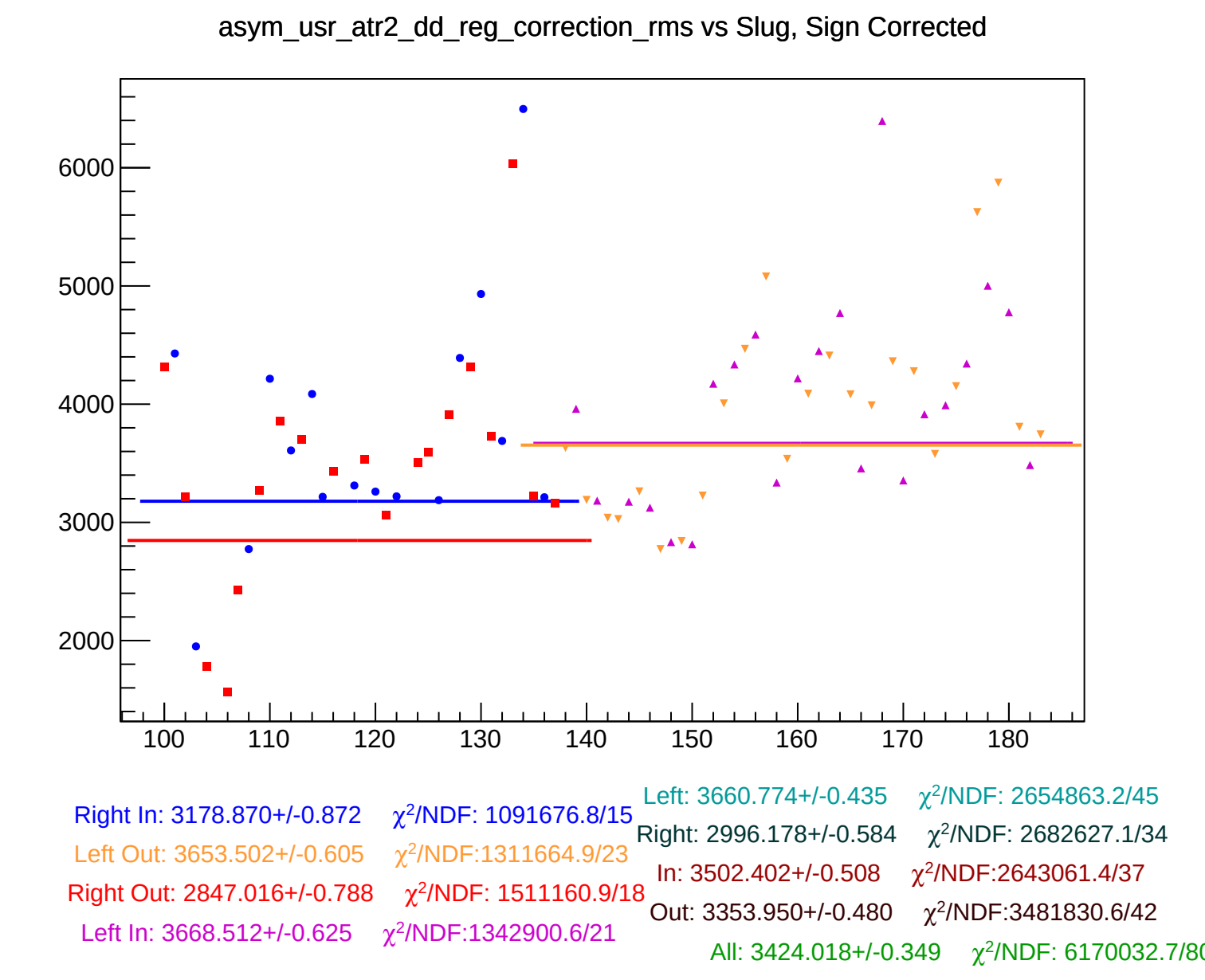
Left: -75.574+/-614.810 χ^2/NDF: 40.8/45

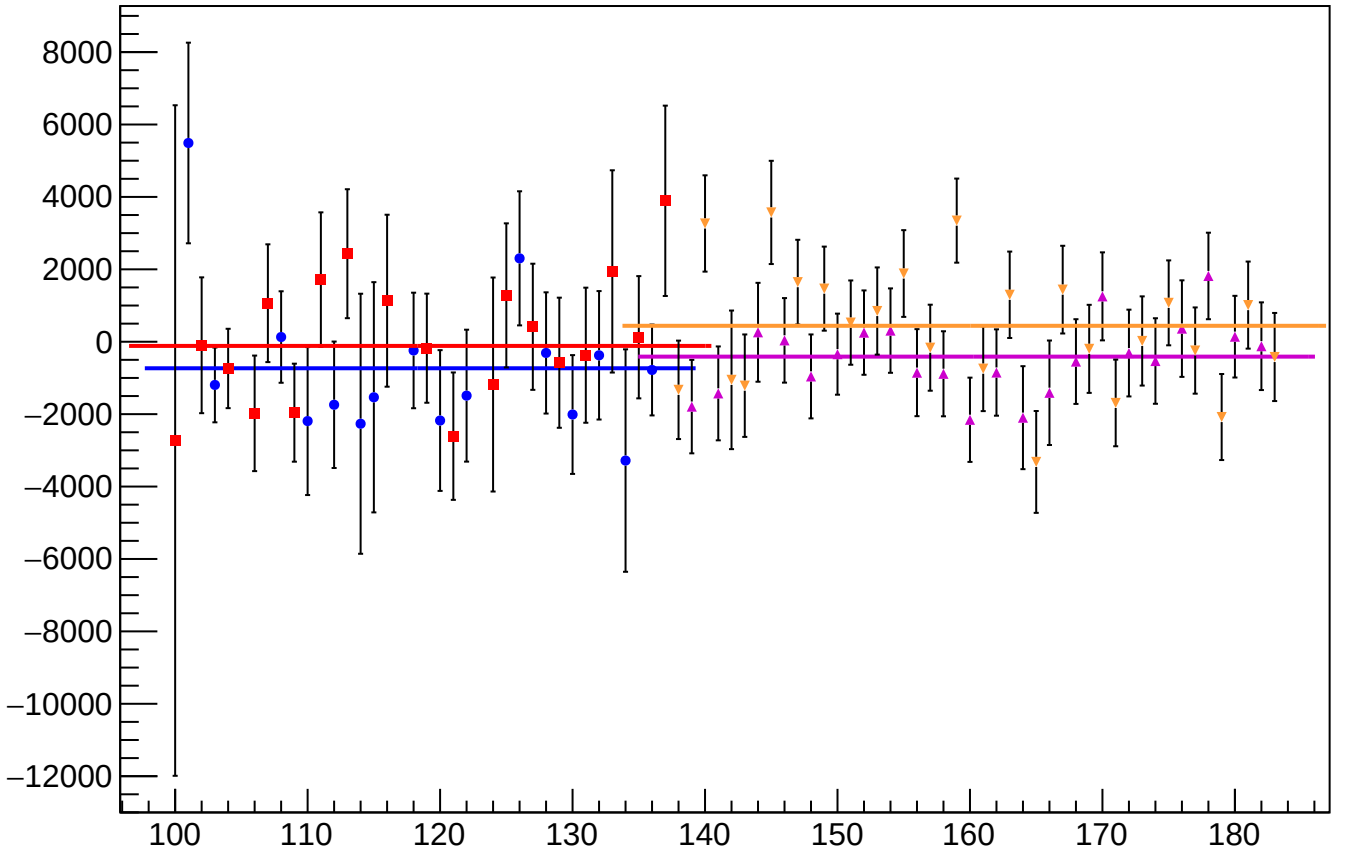
Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 293.220+/-718.018 χ^2/NDF:28.0/37

Out: -60.026+/-678.864 χ^2/NDF:43.7/42

All: 106.703+/-493.291 χ^2/NDF: 71.8/80


asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3178.870+/-0.872 χ²/NDF: 1091676.8/15
Left Out: 3653.502+/-0.605 χ²/NDF:1311664.9/23
Right Out: 2847.016+/-0.788 χ²/NDF: 1511160.9/18
Left In: 3668.512+/-0.625 χ²/NDF:1342900.6/21
Left: 3660.774+/-0.435 χ²/NDF: 2654863.2/45
Right: 2996.178+/-0.584 χ²/NDF: 2682627.1/34
In: 3502.402+/-0.508 χ²/NDF:2643061.4/37
Out: 3353.950+/-0.480 χ²/NDF:3481830.6/42
All: 3424.018+/-0.349 χ²/NDF: 6170032.7/80



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 440.291+/-253.377 χ^2/NDF:41.7/23

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -411.342+/-259.381 χ^2/NDF:13.7/21

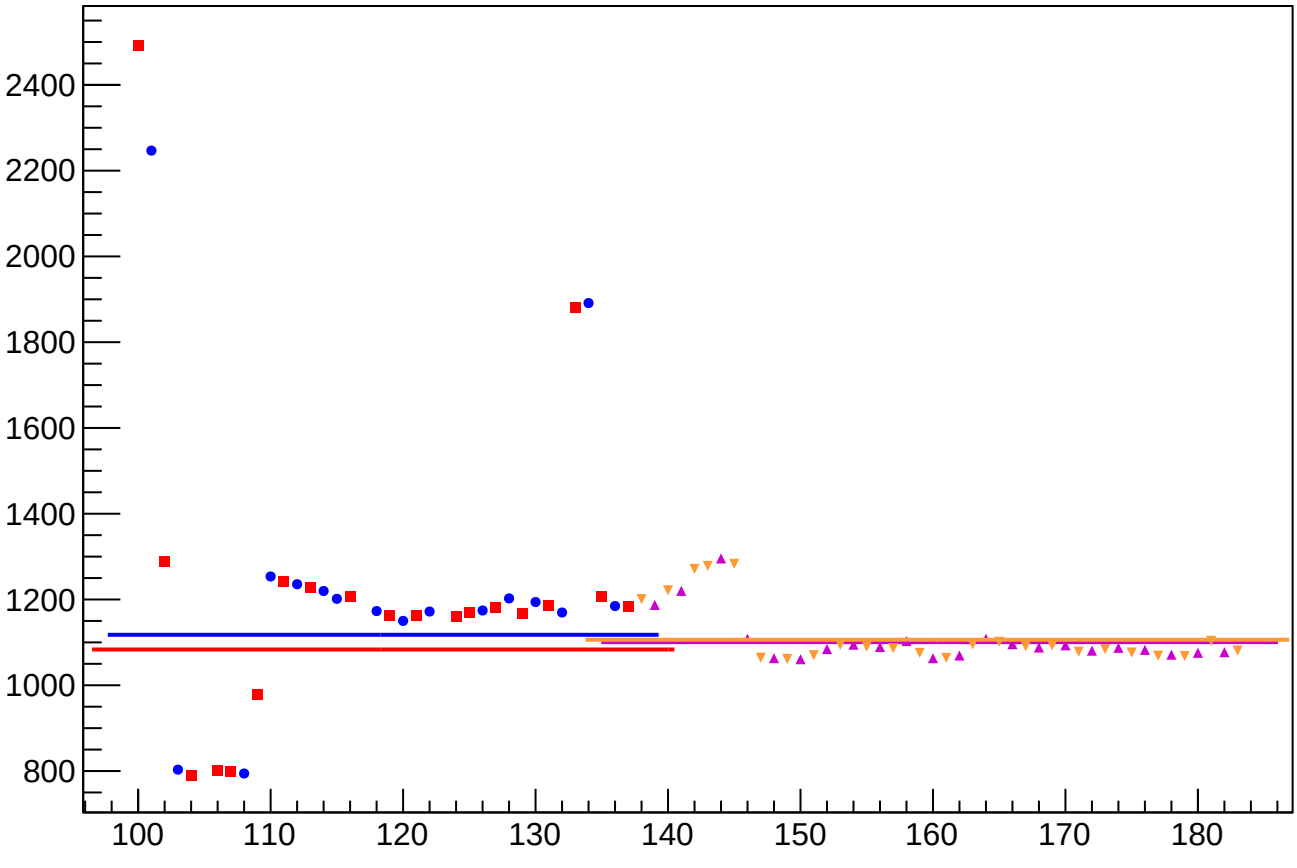
Left: 24.445+/-181.250 χ^2/NDF: 60.9/45

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -497.841+/-221.739 χ^2/NDF:25.8/37

Out: 287.521+/-215.748 χ^2/NDF:56.2/42

All: -94.407+/-154.632 χ^2/NDF: 88.4/80



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1106.139+/-0.179 χ^2/NDF:121199.5/23

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1100.617+/-0.183 χ^2/NDF:80113.6/21

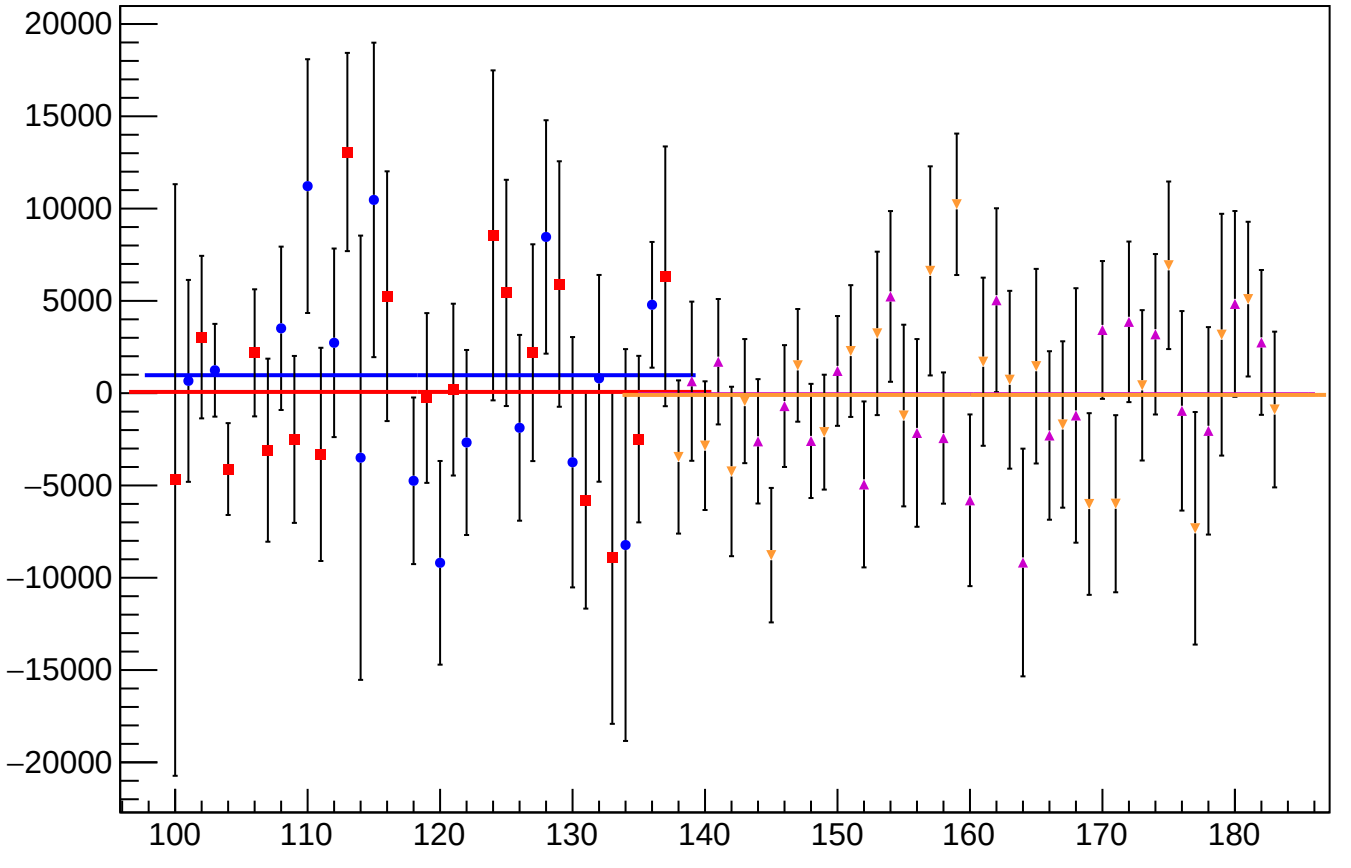
Left: 1103.443+/-0.128 χ^2/NDF: 201776.9/45

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1105.211+/-0.157 χ^2/NDF:902276.2/37

Out: 1099.875+/-0.152 χ^2/NDF:720649.4/42

All: 1102.469+/-0.109 χ^2/NDF: 1623521.0/80



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -93.789+/-856.259 χ^2/NDF:27.1/23

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -56.147+/-883.316 χ^2/NDF:13.7/21

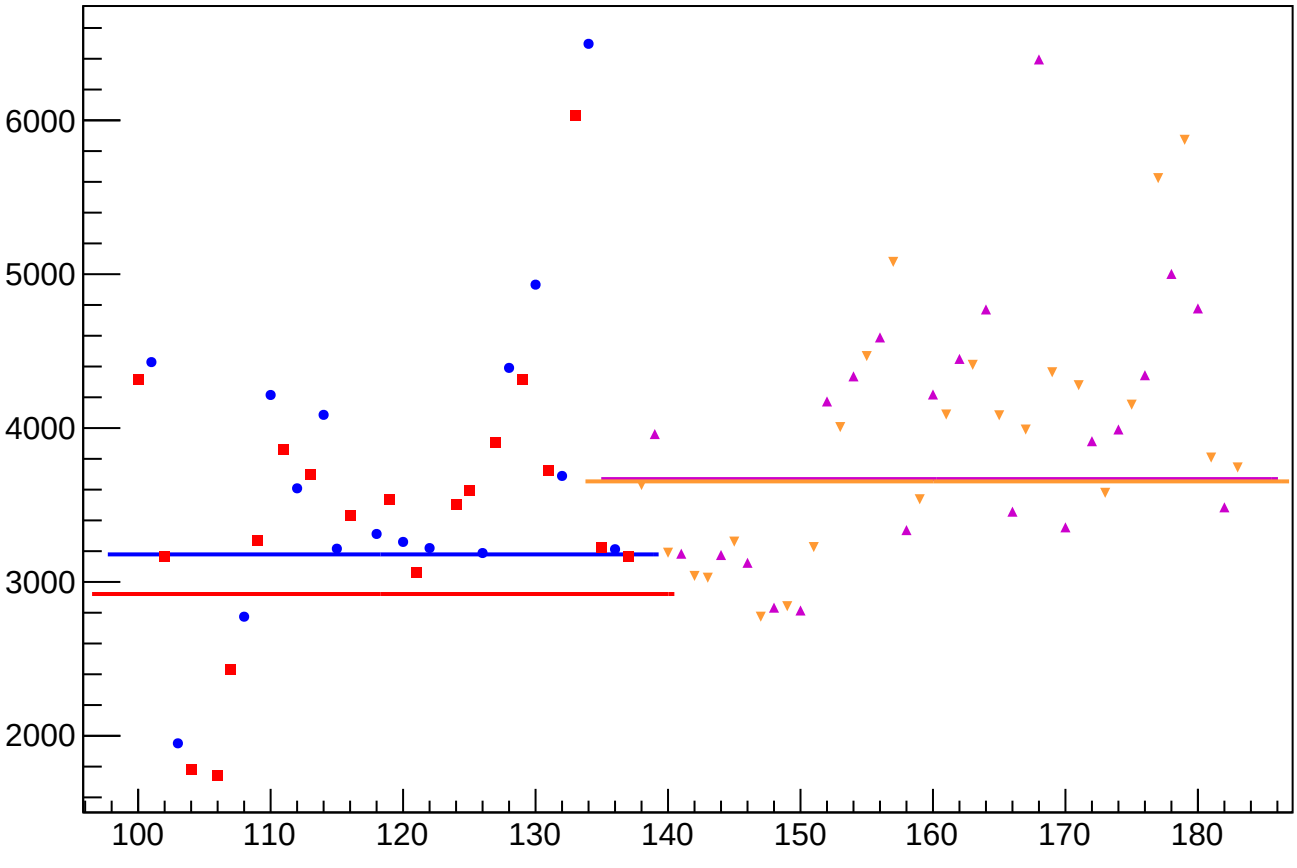
Left: -75.553+/-614.809 χ^2/NDF: 40.8/45

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 293.058+/-718.027 χ^2/NDF:28.0/37

Out: -35.618+/-684.187 χ^2/NDF:44.1/42

All: 120.792+/-495.325 χ^2/NDF: 72.2/80



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3653.499+/-0.605 χ^2/NDF:1311672.5/23

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3668.510+/-0.625 χ^2/NDF:1342902.1/21

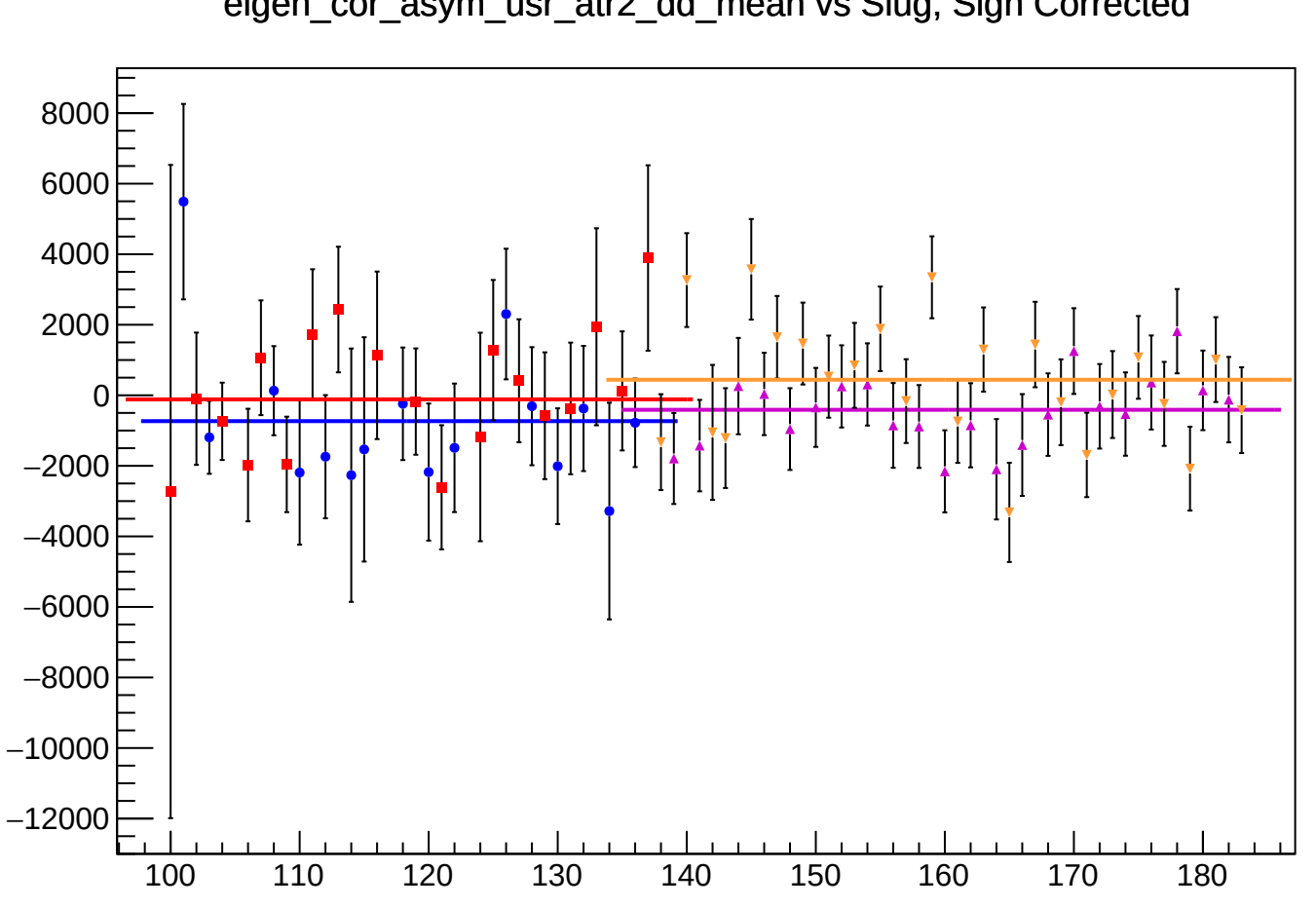
Left: 3660.771+/-0.435 χ^2/NDF: 2654872.3/45

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3502.471+/-0.508 χ^2/NDF:2642452.9/37

Out: 3388.909+/-0.484 χ^2/NDF:3152790.4/42

All: 3442.951+/-0.350 χ^2/NDF: 5821464.3/80



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 440.291+/-253.377 χ^2/NDF:41.7/23

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -411.342+/-259.381 χ^2/NDF:13.7/21

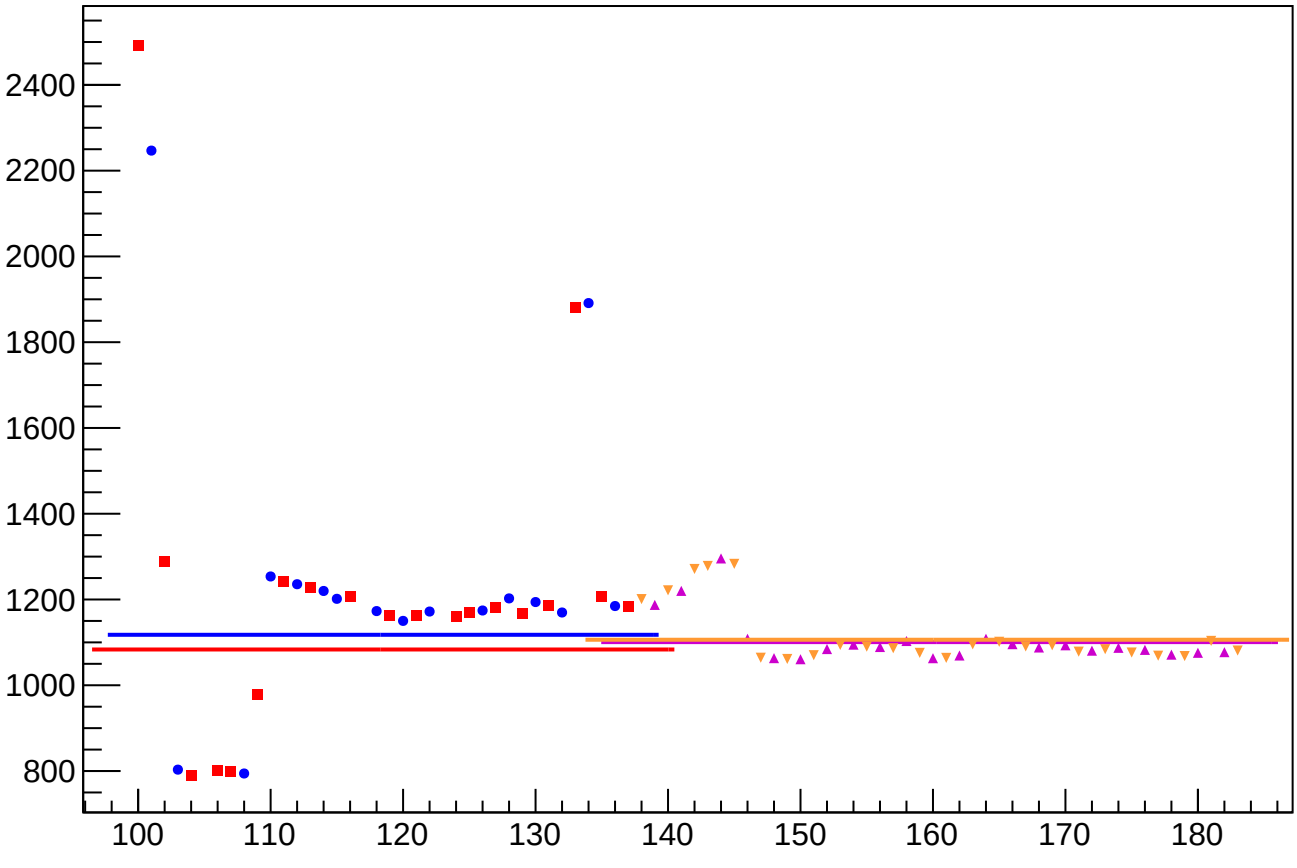
Left: 24.445+/-181.250 χ^2/NDF: 60.9/45

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -497.841+/-221.739 χ^2/NDF:25.8/37

Out: 287.521+/-215.748 χ^2/NDF:56.2/42

All: -94.407+/-154.632 χ^2/NDF: 88.4/80



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1106.139+/-0.179 χ^2/NDF:121199.5/23

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: 1103.443+/-0.128 χ^2/NDF: 201776.9/45

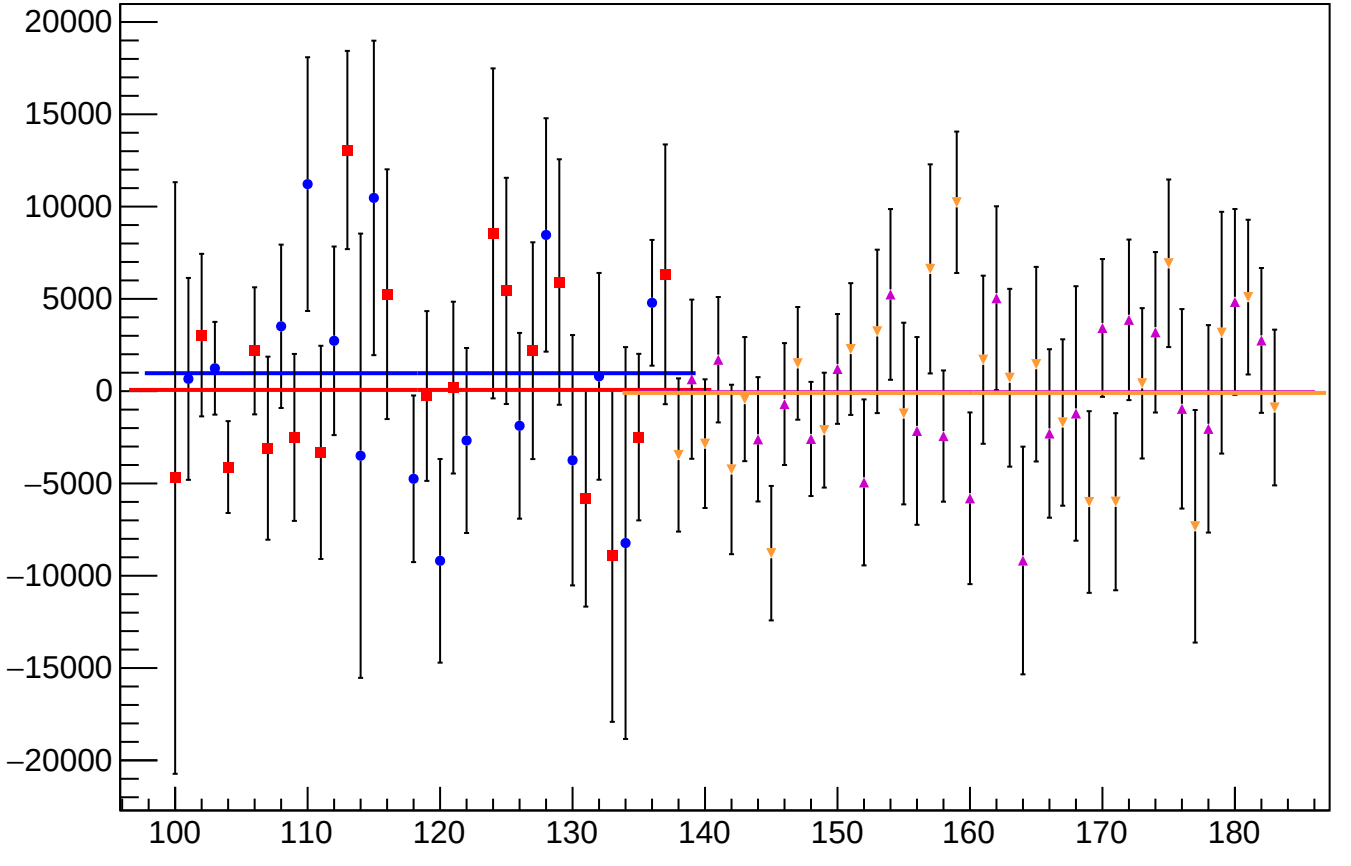
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1105.211+/-0.157 χ^2/NDF:902276.2/37

Out: 1099.875+/-0.152 χ^2/NDF:720649.4/42

All: 1102.469+/-0.109 χ^2/NDF: 1623521.0/80

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -93.789+/-856.259 χ^2/NDF:27.1/23

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -56.147+/-883.316 χ^2/NDF:13.7/21

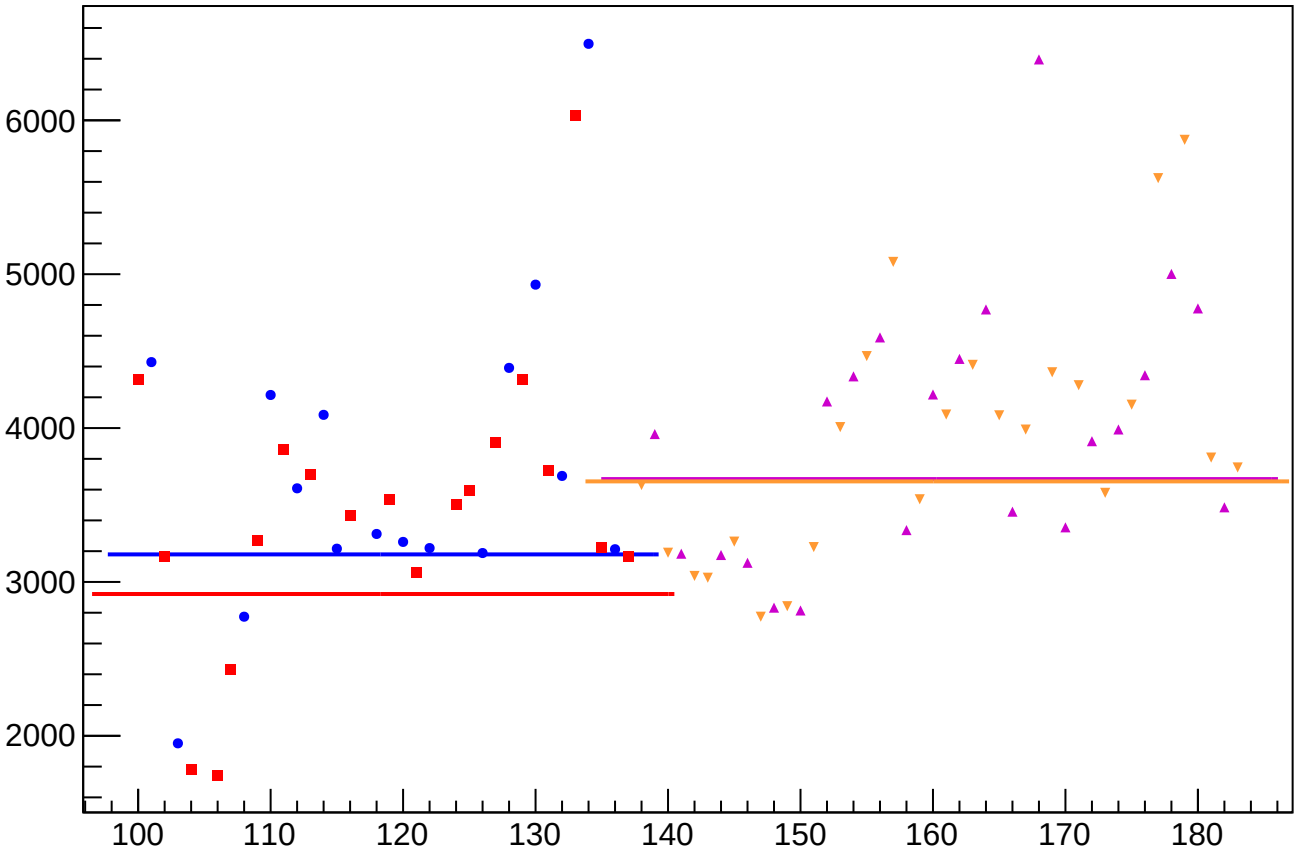
Left: -75.553+/-614.809 χ^2/NDF: 40.8/45

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 293.058+/-718.027 χ^2/NDF:28.0/37

Out: -35.618+/-684.187 χ^2/NDF:44.1/42

All: 120.792+/-495.325 χ^2/NDF: 72.2/80



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3653.499+/-0.605 χ^2/NDF:1311672.5/23

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3668.510+/-0.625 χ^2/NDF:1342902.1/21

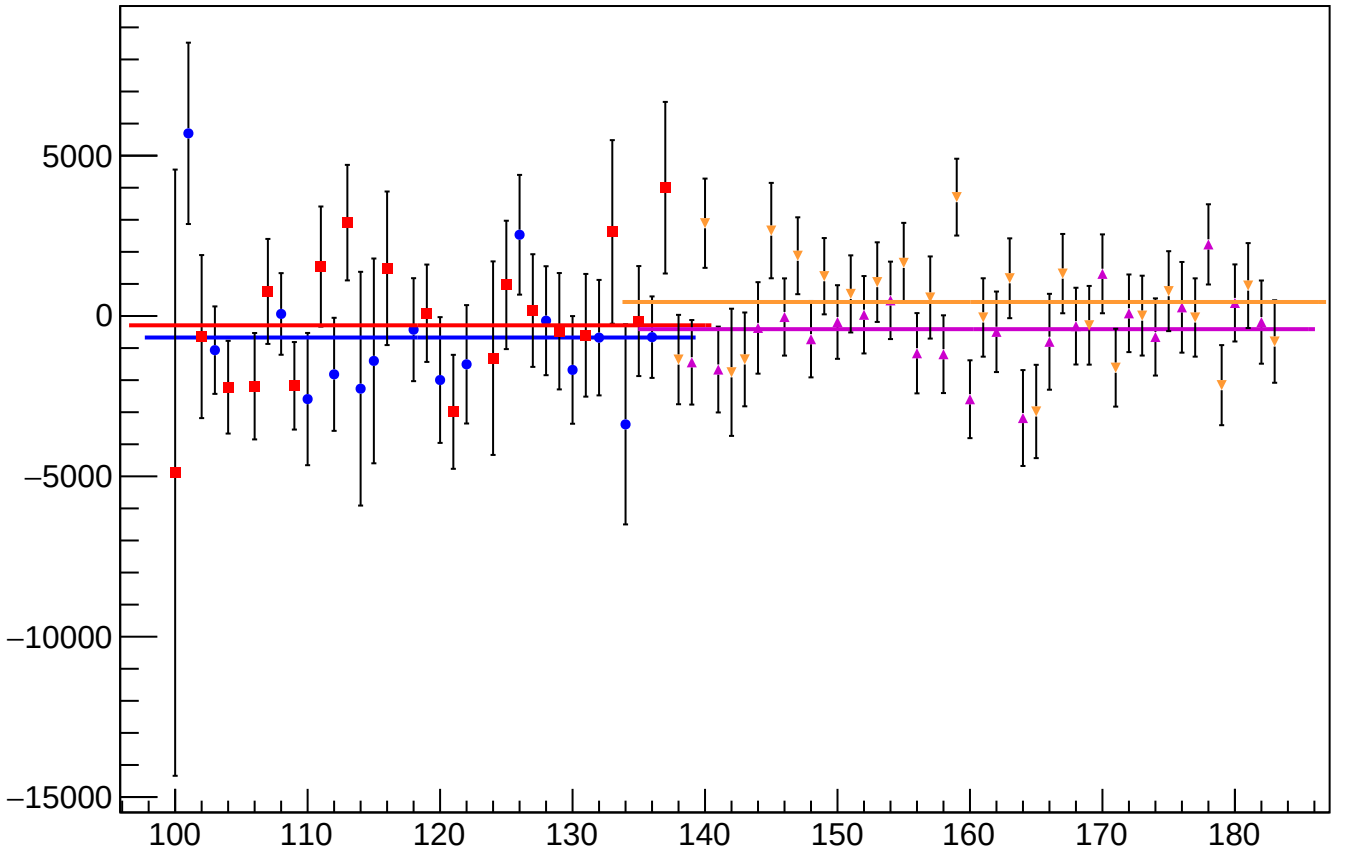
Left: 3660.771+/-0.435 χ^2/NDF: 2654872.3/45

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3502.471+/-0.508 χ^2/NDF:2642452.9/37

Out: 3388.909+/-0.484 χ^2/NDF:3152790.4/42

All: 3442.951+/-0.350 χ^2/NDF: 5821464.3/80



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 436.925+/-263.000 χ^2/NDF:35.8/23

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: 22.611+/-188.000 χ^2/NDF: 58.2/45

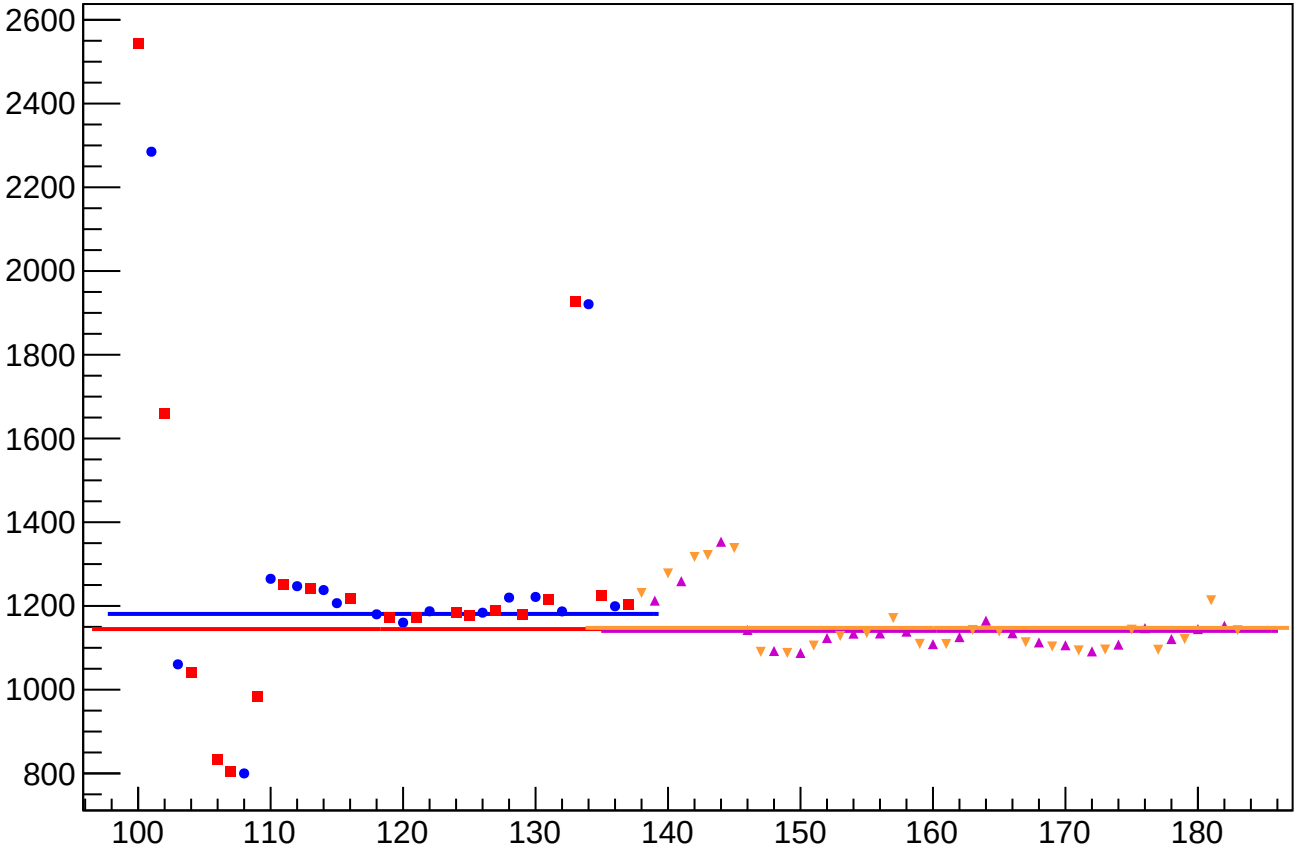
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -479.172+/-230.588 χ^2/NDF:29.4/37

Out: 241.875+/-224.983 χ^2/NDF:54.8/42

All: -109.778+/-161.032 χ^2/NDF: 89.2/80

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1147.610+/-0.186 χ^2/NDF:139114.7/23

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: 1144.103+/-0.133 χ^2/NDF: 224459.2/45

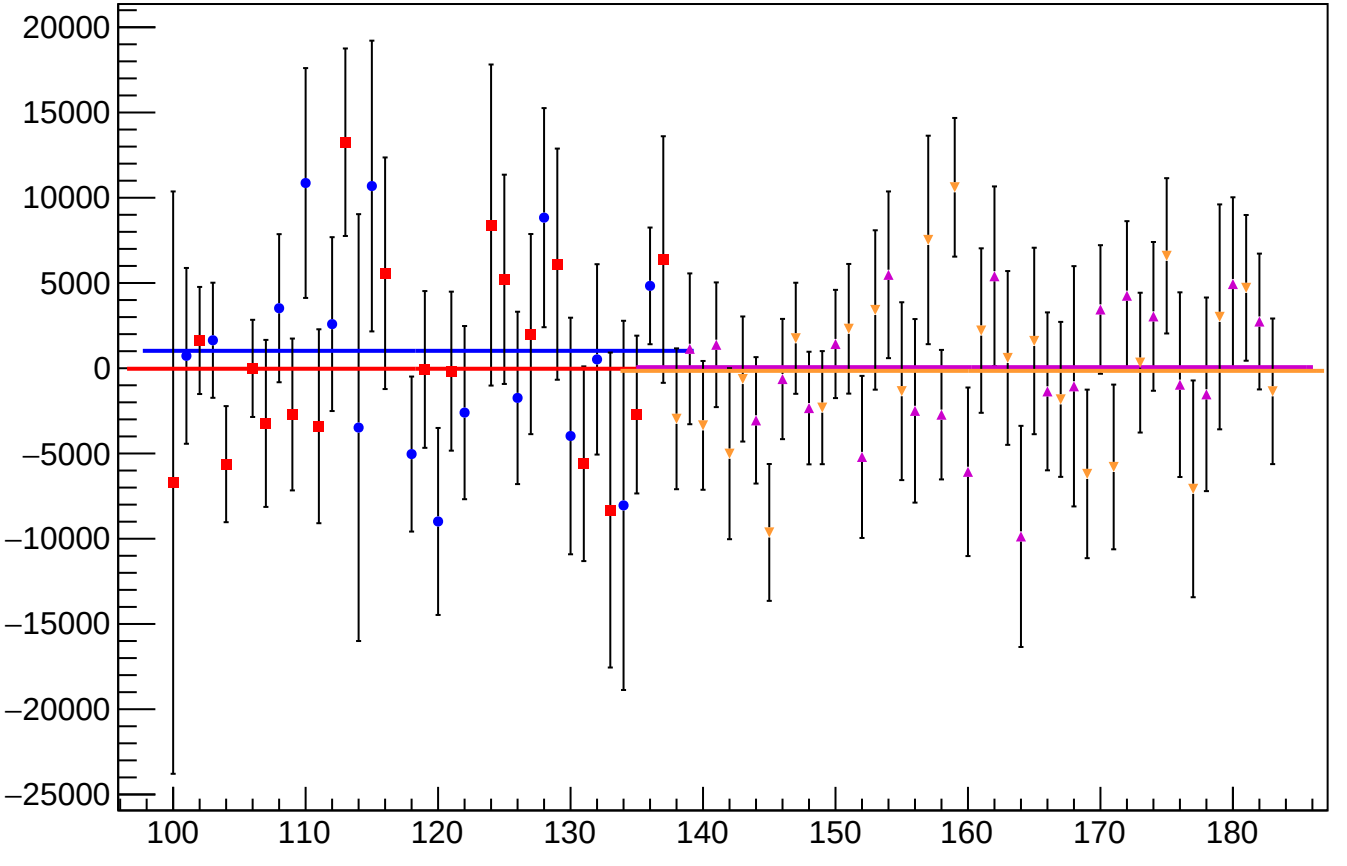
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1151.148+/-0.163 χ^2/NDF:718503.8/37

Out: 1146.850+/-0.159 χ^2/NDF:636907.7/42

All: 1148.946+/-0.114 χ^2/NDF: 1355767.5/80

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: -153.713+/-897.679 χ^2/NDF:26.5/23

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: 63.510+/-924.772 χ^2/NDF:13.6/21

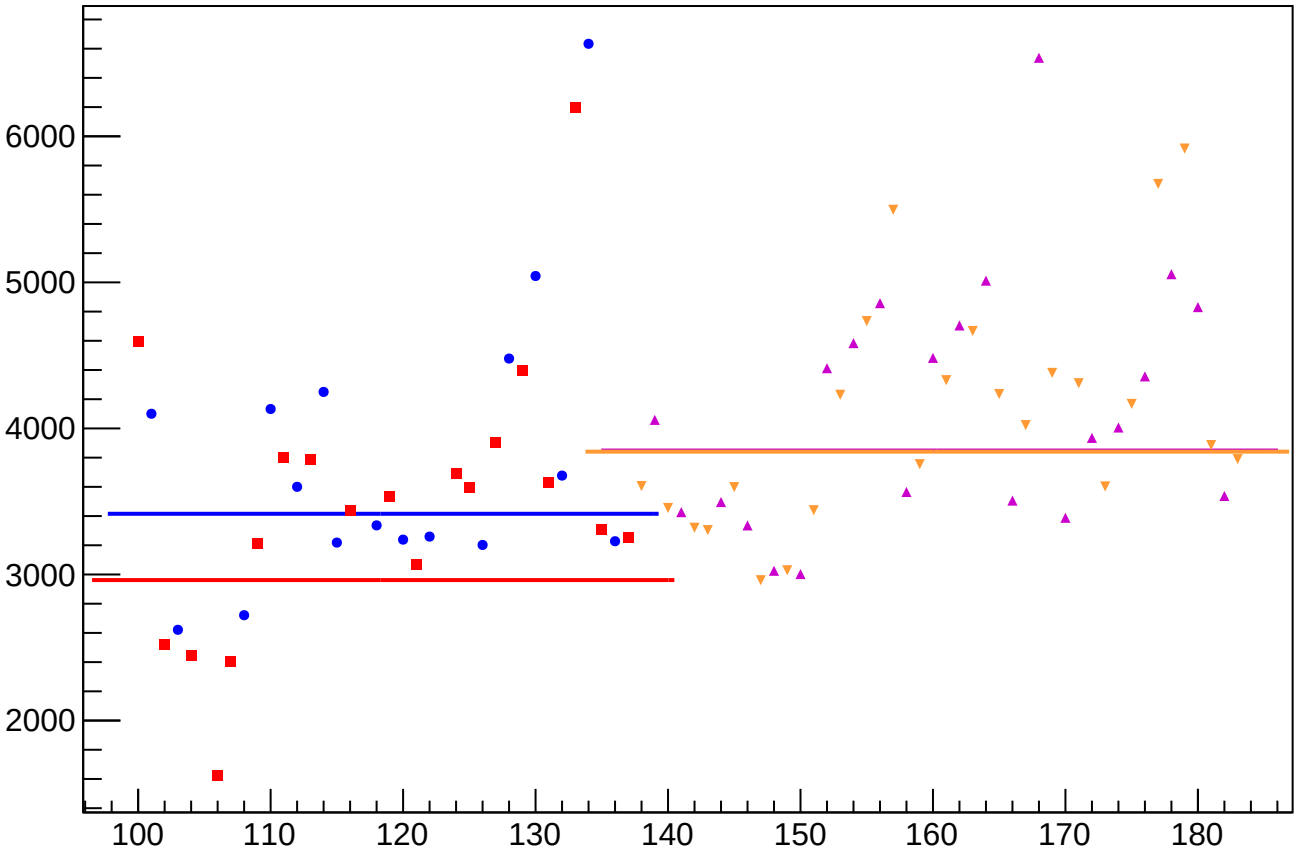
Left: -48.330+/-644.120 χ^2/NDF: 40.1/45

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 384.451+/-754.031 χ^2/NDF:27.8/37

Out: -105.938+/-703.062 χ^2/NDF:42.6/42

All: 122.123+/-514.215 χ^2/NDF: 70.7/80



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3840.977+/-0.635 χ^2/NDF:1118662.8/23

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3848.713+/-0.654 χ^2/NDF:1192578.5/21

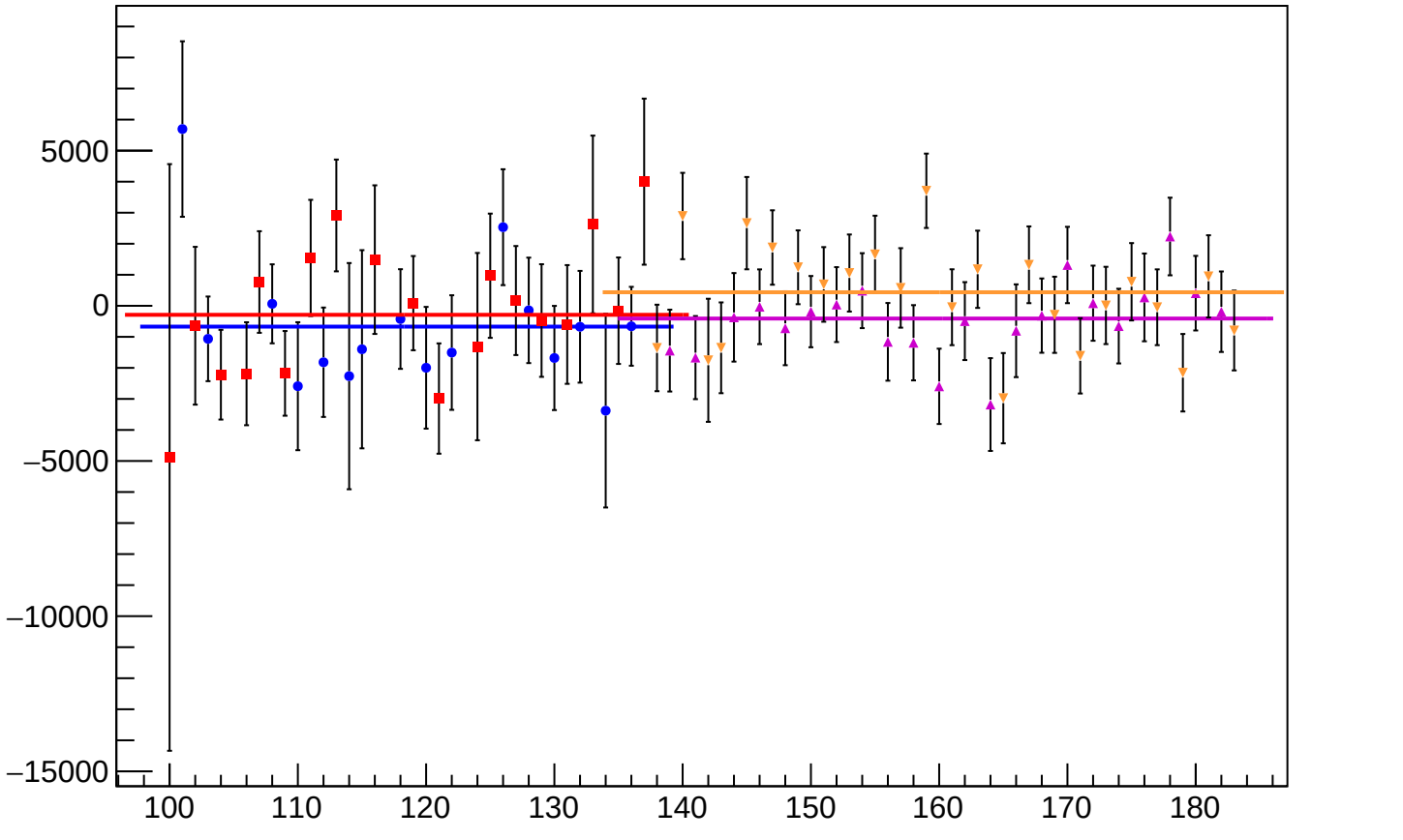
Left: 3844.730+/-0.455 χ^2/NDF: 2311313.4/45

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3703.544+/-0.533 χ^2/NDF:1931965.1/37

Out: 3501.088+/-0.497 χ^2/NDF:3029574.8/42

All: 3595.243+/-0.364 χ^2/NDF: 5038668.3/80



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 436.929+/-263.000 χ^2/NDF:35.8/23

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -410.311+/-268.841 χ^2/NDF:17.3/21

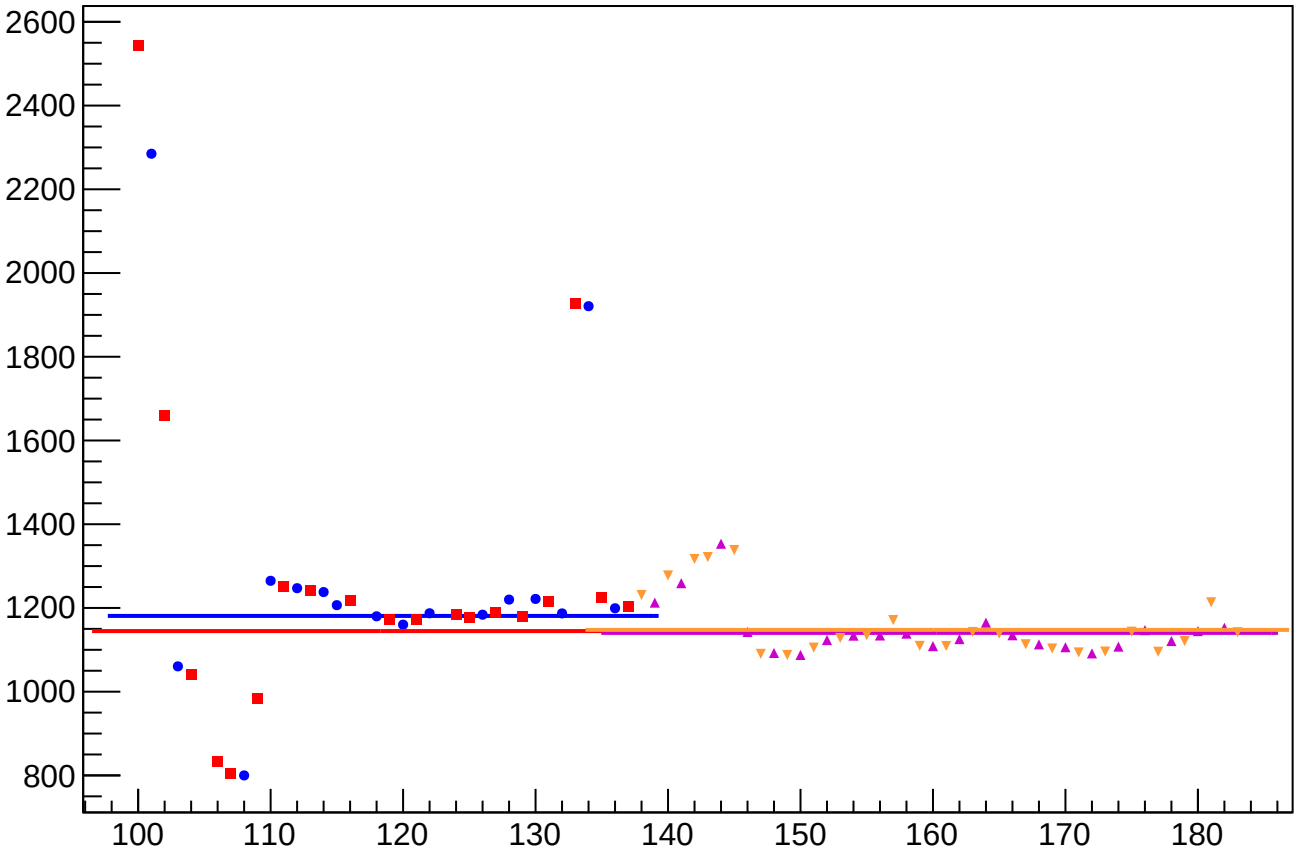
Left: 22.614+/-188.000 χ^2/NDF: 58.2/45

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -479.173+/-230.588 χ^2/NDF:29.4/37

Out: 241.877+/-224.983 χ^2/NDF:54.8/42

All: -109.777+/-161.032 χ^2/NDF: 89.2/80



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1147.611+/-0.186 χ^2/NDF:139114.8/23

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: 1144.103+/-0.133 χ^2/NDF: 224459.0/45

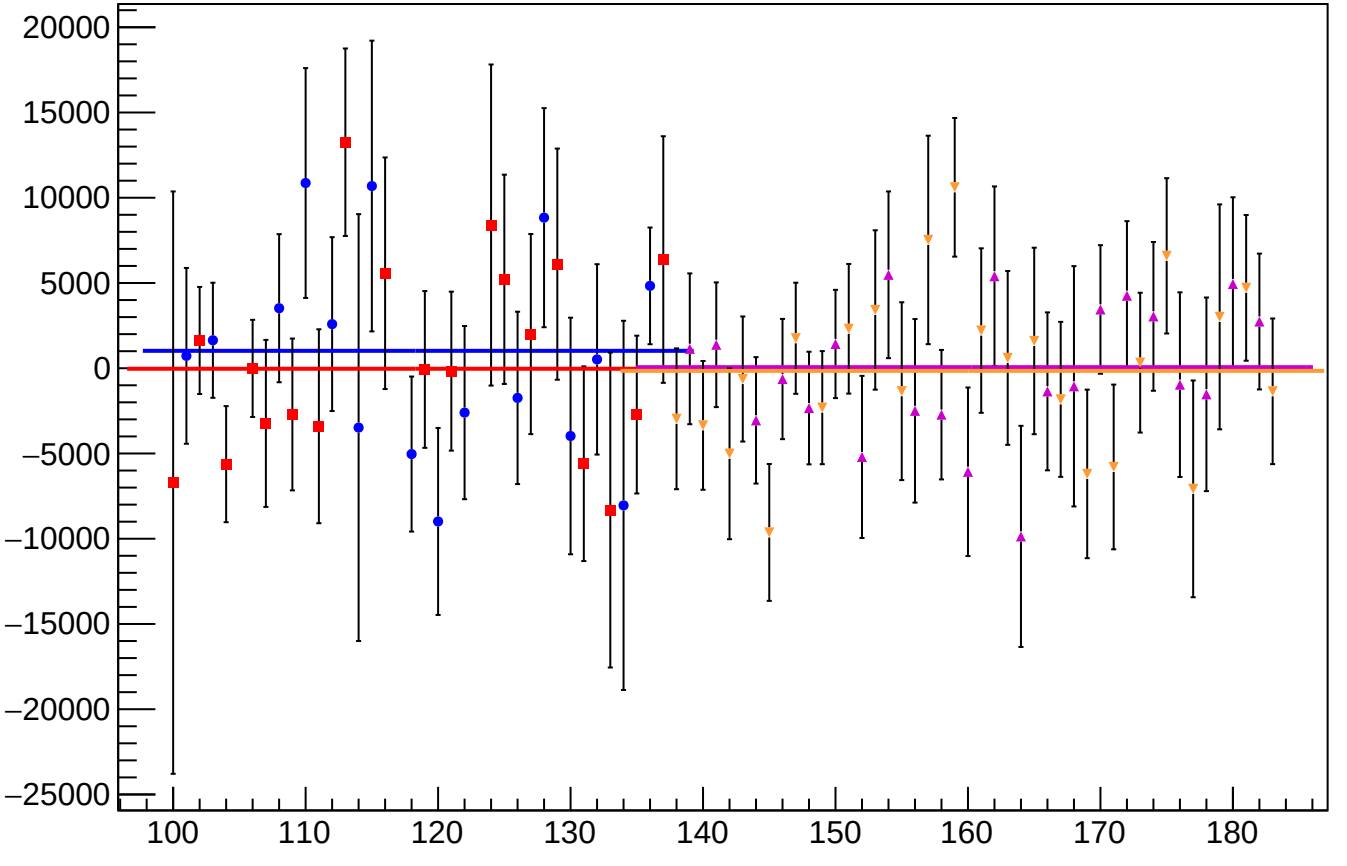
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1151.148+/-0.163 χ^2/NDF:718503.3/37

Out: 1146.850+/-0.159 χ^2/NDF:636907.3/42

All: 1148.946+/-0.114 χ^2/NDF: 1355766.7/80

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: -153.712+/-897.680 χ^2/NDF:26.5/23

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 63.512+/-924.774 χ^2/NDF:13.6/21

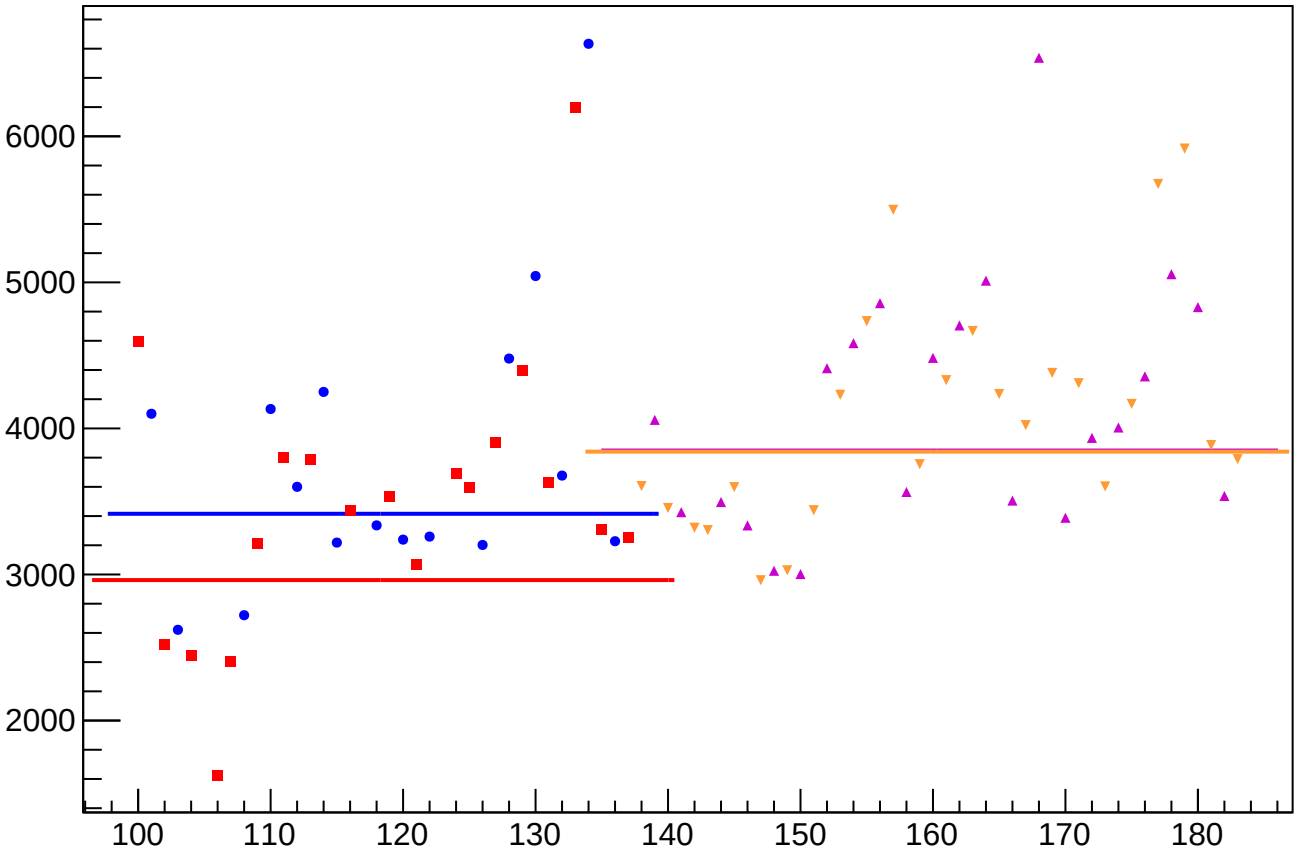
Left: -48.328+/-644.121 χ^2/NDF: 40.1/45

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 384.447+/-754.031 χ^2/NDF:27.8/37

Out: -105.940+/-703.062 χ^2/NDF:42.6/42

All: 122.121+/-514.215 χ^2/NDF: 70.7/80



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3840.982+/-0.635 χ^2/NDF:1118664.4/23

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3848.718+/-0.654 χ^2/NDF:1192582.4/21

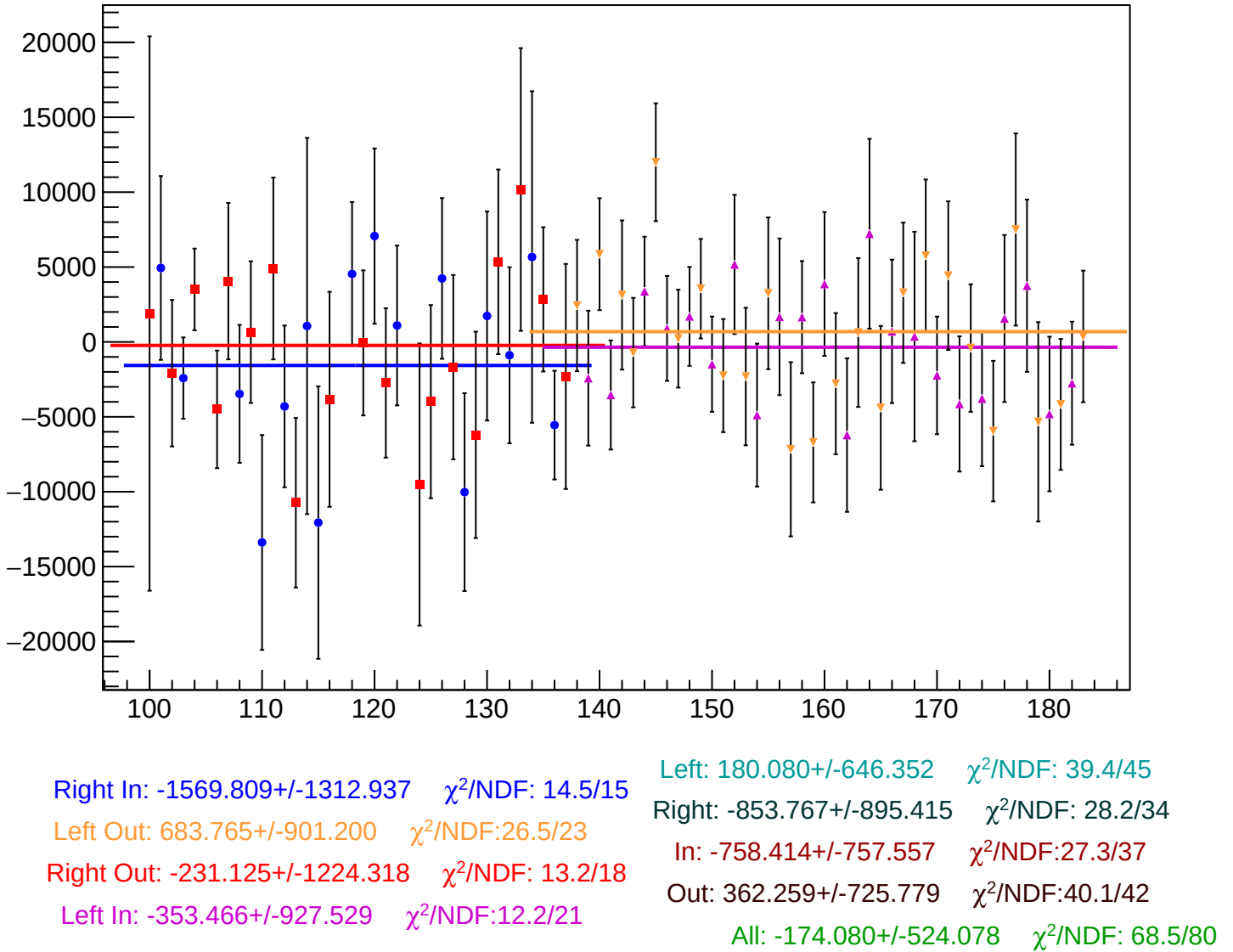
Left: 3844.735+/-0.455 χ^2/NDF: 2311318.9/45

Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

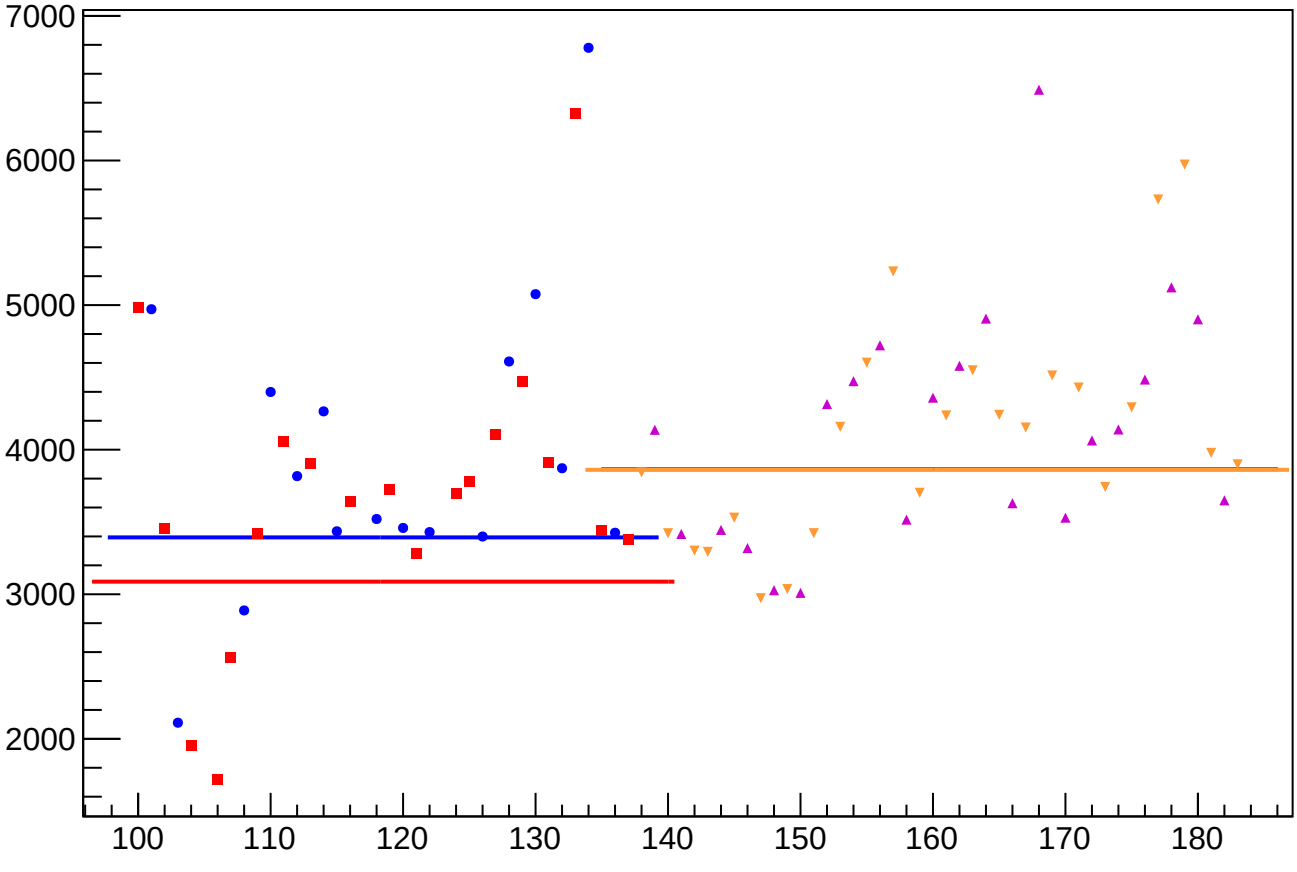
In: 3703.545+/-0.533 χ^2/NDF:1931969.9/37

Out: 3501.088+/-0.497 χ^2/NDF:3029594.1/42

All: 3595.243+/-0.364 χ^2/NDF: 5038693.5/80


asym_usr_atr2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1569.809+/-1312.937 χ²/NDF: 14.5/15
Left Out: 683.765+/-901.200 χ²/NDF:26.5/23
Right Out: -231.125+/-1224.318 χ²/NDF: 13.2/18
Left In: -353.466+/-927.529 χ²/NDF:12.2/21
Left: 180.080+/-646.352 χ²/NDF: 39.4/45
Right: -853.767+/-895.415 χ²/NDF: 28.2/34
In: -758.414+/-757.557 χ²/NDF:27.3/37
Out: 362.259+/-725.779 χ²/NDF:40.1/42
All: -174.080+/-524.078 χ²/NDF: 68.5/80

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3860.589+/-0.637 χ^2/NDF:1097292.1/23

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3865.333+/-0.656 χ^2/NDF:1141040.7/21

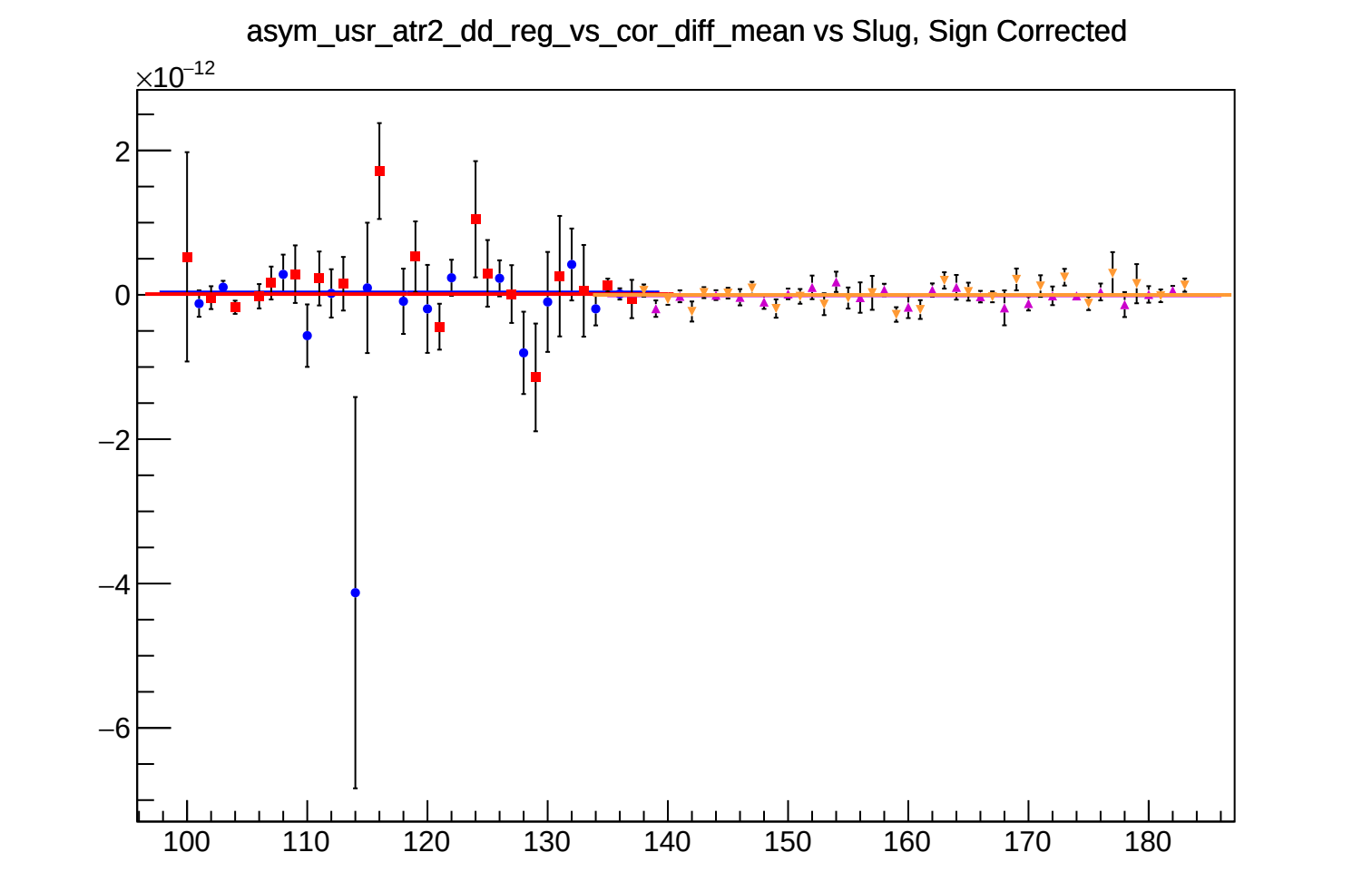
Left: 3862.893+/-0.457 χ^2/NDF: 2238359.6/45

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3708.204+/-0.536 χ^2/NDF:2362150.7/37

Out: 3582.862+/-0.510 χ^2/NDF:2954511.0/42

All: 3642.474+/-0.369 χ^2/NDF: 5345373.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/21

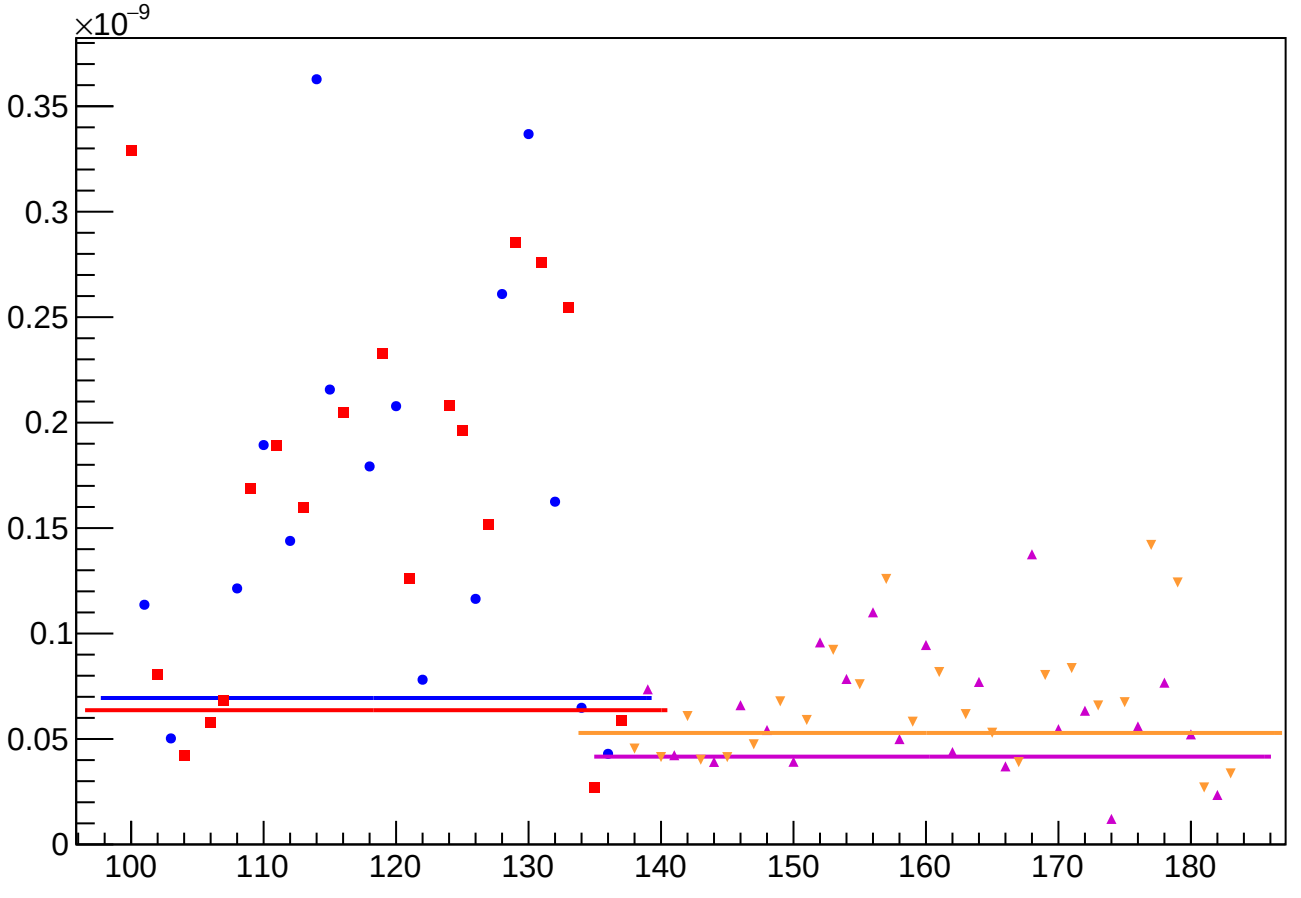
Left: -0.000+/-0.000 χ^2/NDF: 46.5/45

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:55.7/42

All: -0.000+/-0.000 χ^2/NDF: 80.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1582036.8/23

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: 4818488.1/45

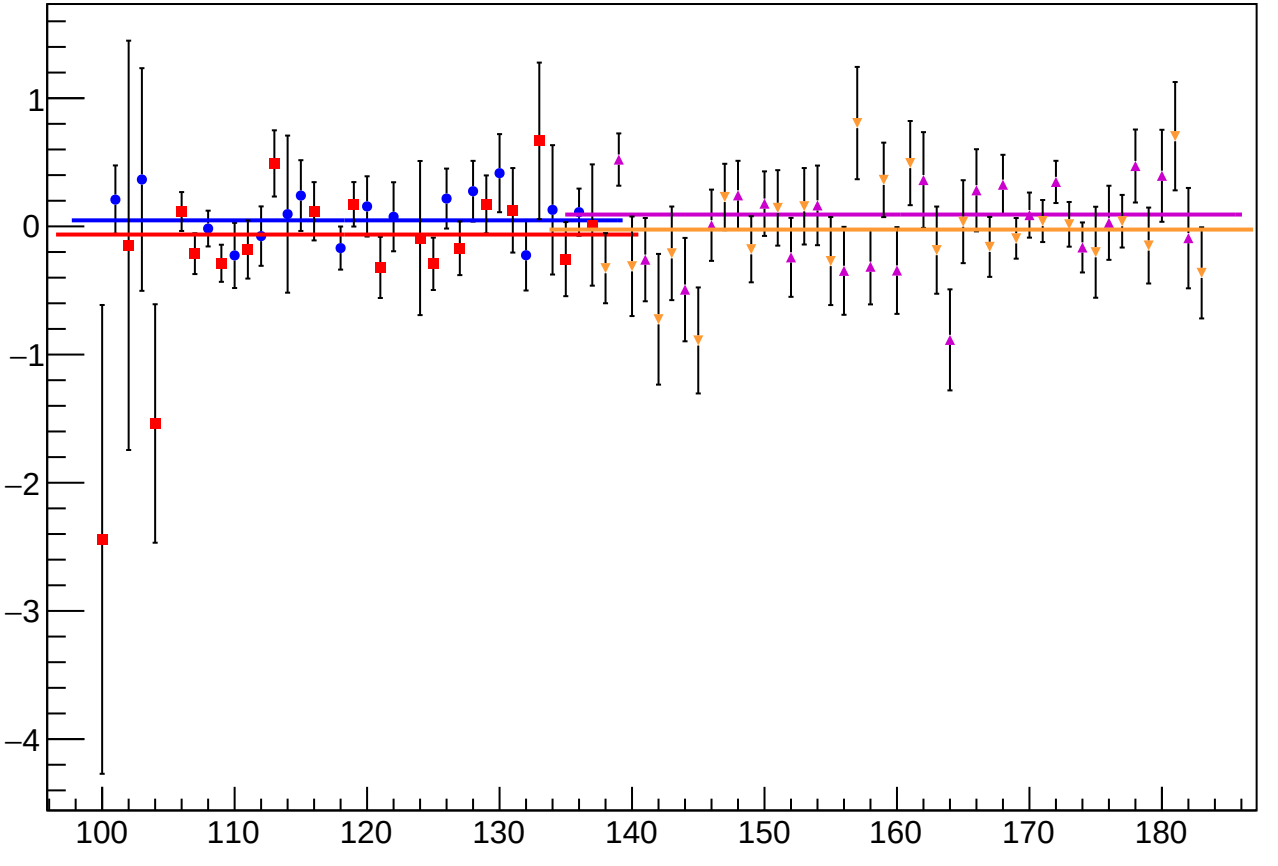
Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:5224523.2/37

Out: 0.000+/-0.000 χ^2/NDF:3912054.8/42

All: 0.000+/-0.000 χ^2/NDF: 9366635.7/80

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/23

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: 0.032+/-0.040 χ^2/NDF: 55.8/45

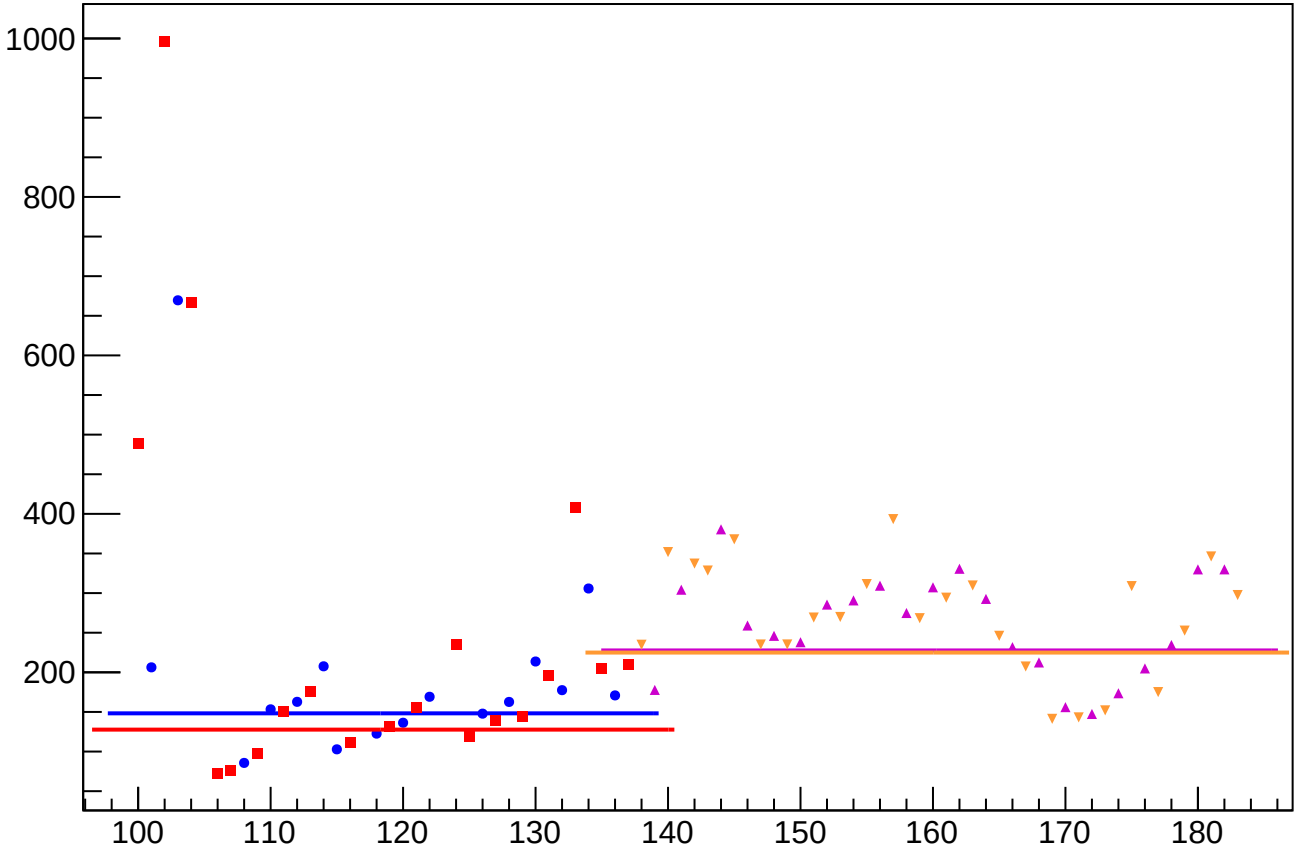
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.041 χ^2/NDF:38.4/37

Out: -0.044+/-0.039 χ^2/NDF:46.6/42

All: 0.010+/-0.028 χ^2/NDF: 89.1/80

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 224.951+/-0.039 χ^2/NDF:3409834.3/23

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 227.625+/-0.040 χ^2/NDF:2472520.0/21

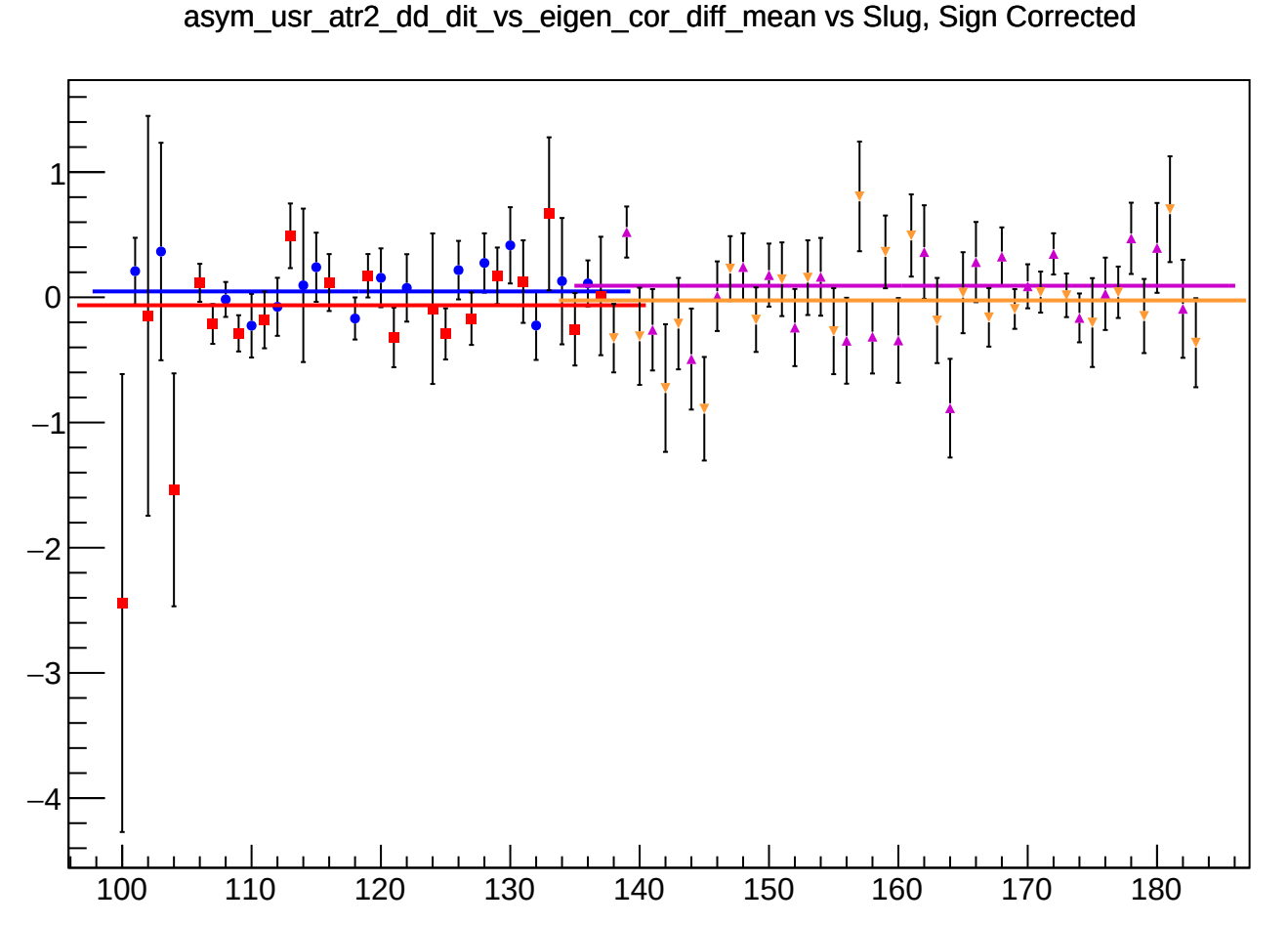
Left: 226.245+/-0.028 χ^2/NDF: 5884623.7/45

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 189.978+/-0.029 χ^2/NDF:6021521.6/37

Out: 175.808+/-0.027 χ^2/NDF:9384098.9/42

All: 182.455+/-0.020 χ^2/NDF: 15530386.3/80



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/23

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: 0.032+/-0.040 χ^2/NDF: 55.8/45

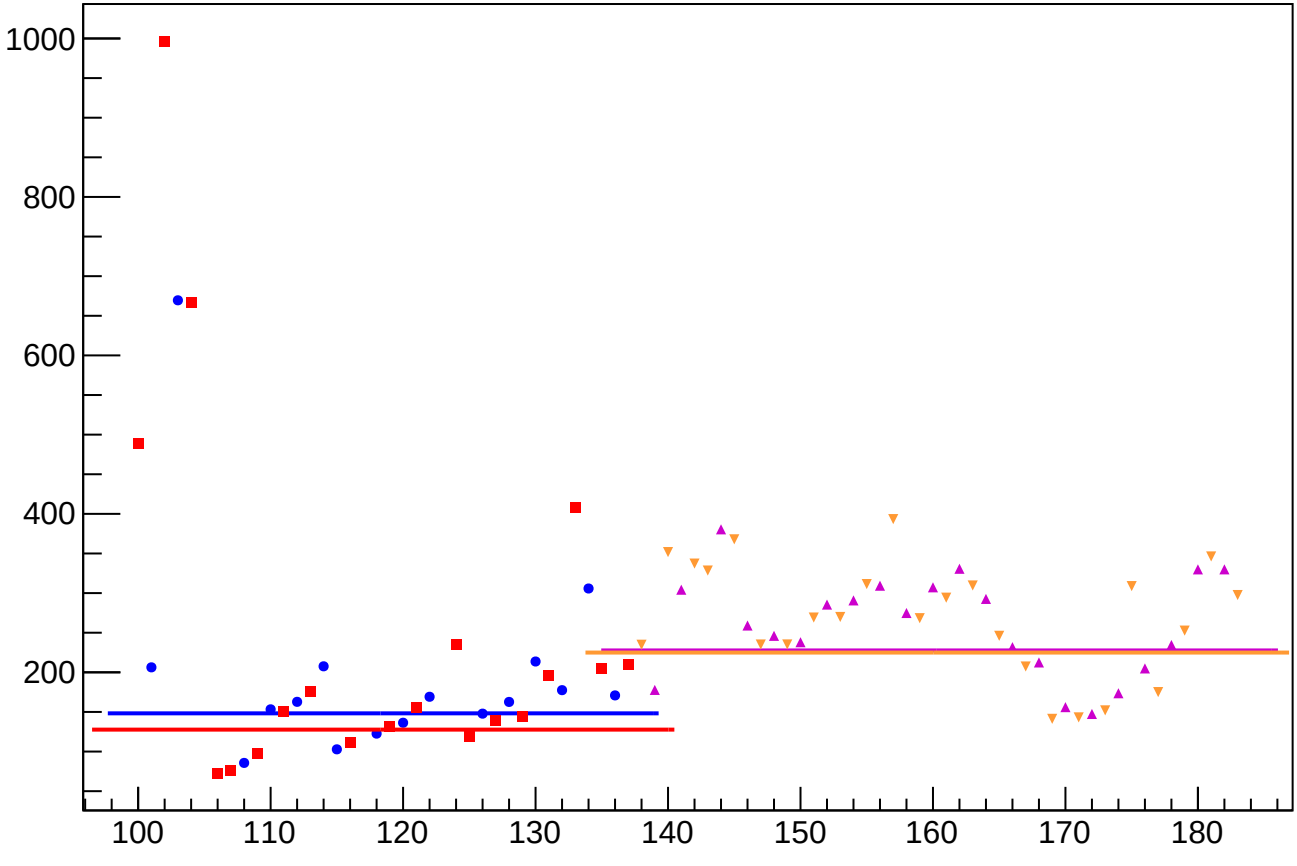
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.041 χ^2/NDF:38.4/37

Out: -0.044+/-0.039 χ^2/NDF:46.6/42

All: 0.010+/-0.028 χ^2/NDF: 89.1/80

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: 224.951+/-0.039 χ^2/NDF:3409834.3/23

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 227.625+/-0.040 χ^2/NDF:2472520.0/21

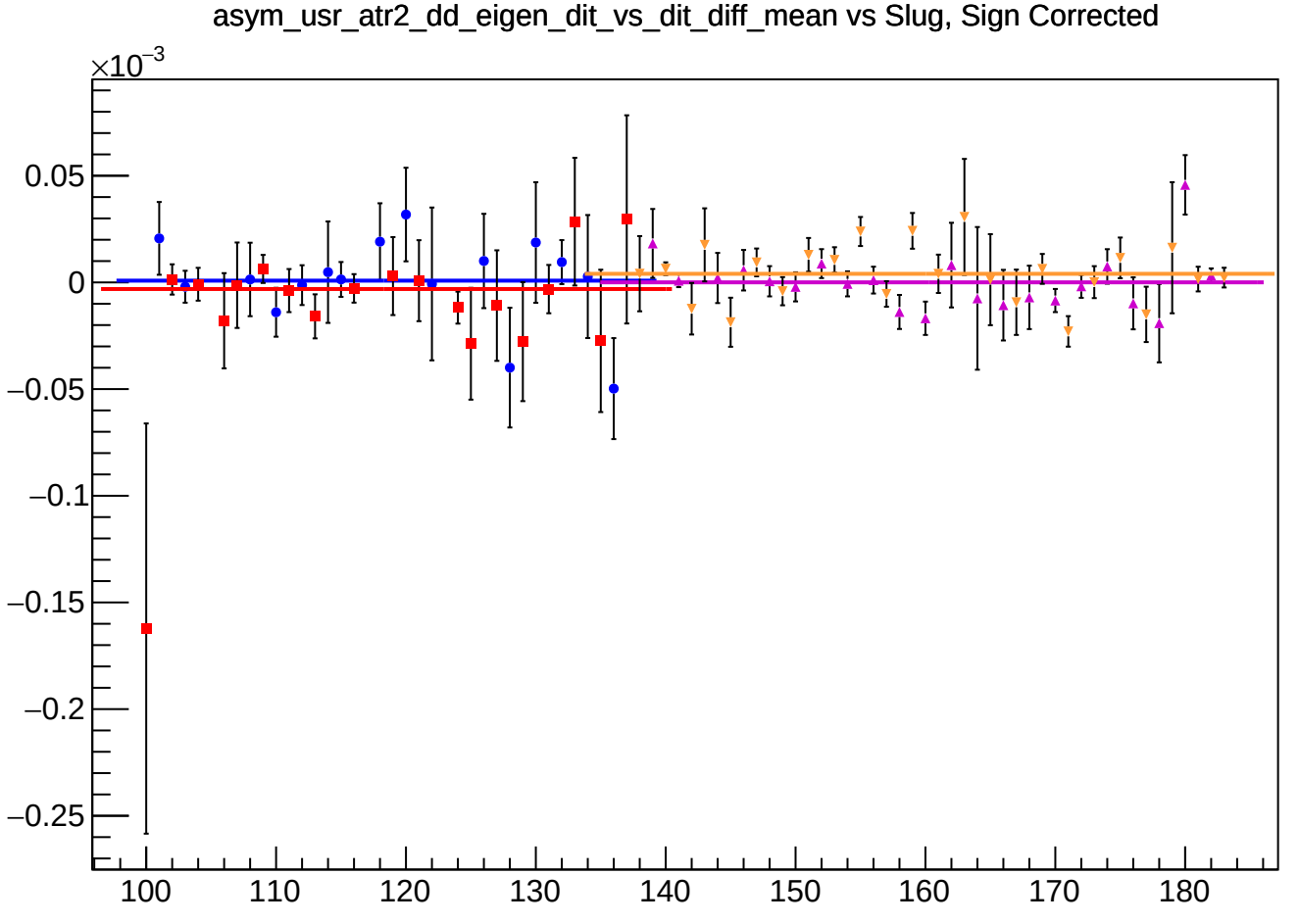
Left: 226.245+/-0.028 χ^2/NDF: 5884623.7/45

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 189.978+/-0.029 χ^2/NDF:6021521.6/37

Out: 175.808+/-0.027 χ^2/NDF:9384098.9/42

All: 182.455+/-0.020 χ^2/NDF: 15530386.3/80



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:28.9/21

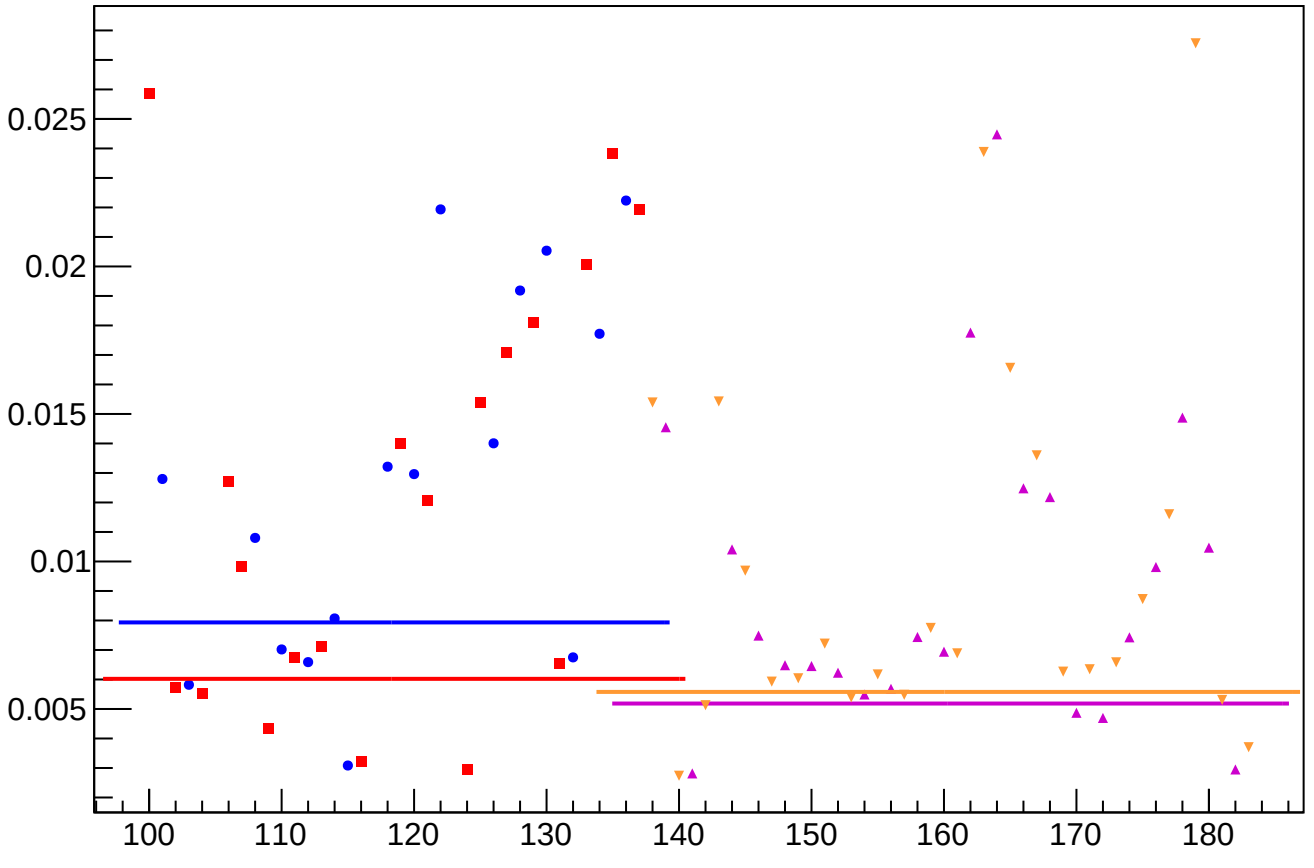
Left: 0.000+/-0.000 χ^2/NDF: 80.7/45

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:66.3/42

All: 0.000+/-0.000 χ^2/NDF: 110.9/80



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:7711128.9/23

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:7395891.0/21

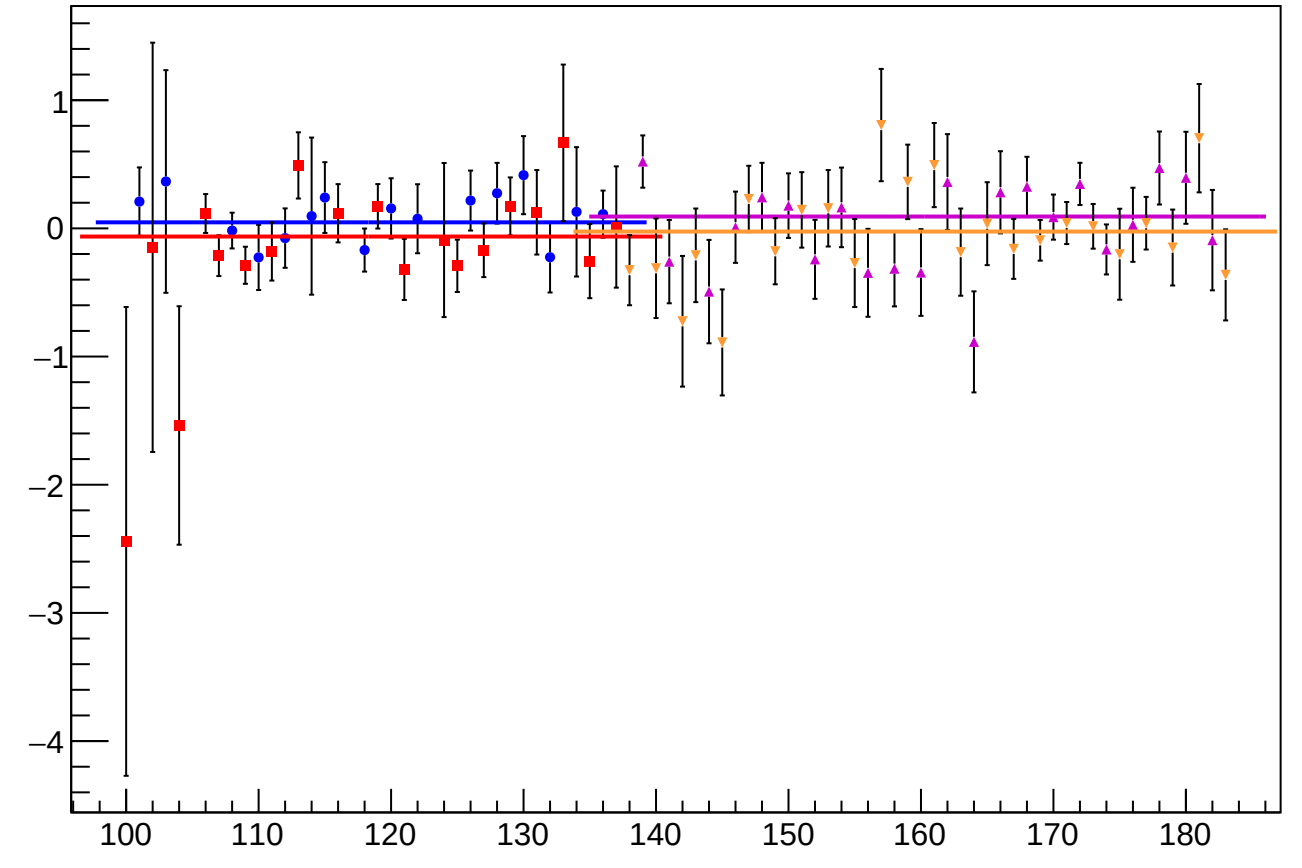
Left: 0.005+/-0.000 χ^2/NDF: 15180099.9/45

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:11763776.8/42

All: 0.006+/-0.000 χ^2/NDF: 23818210.8/80



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/23

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: 0.032+/-0.040 χ^2/NDF: 55.8/45

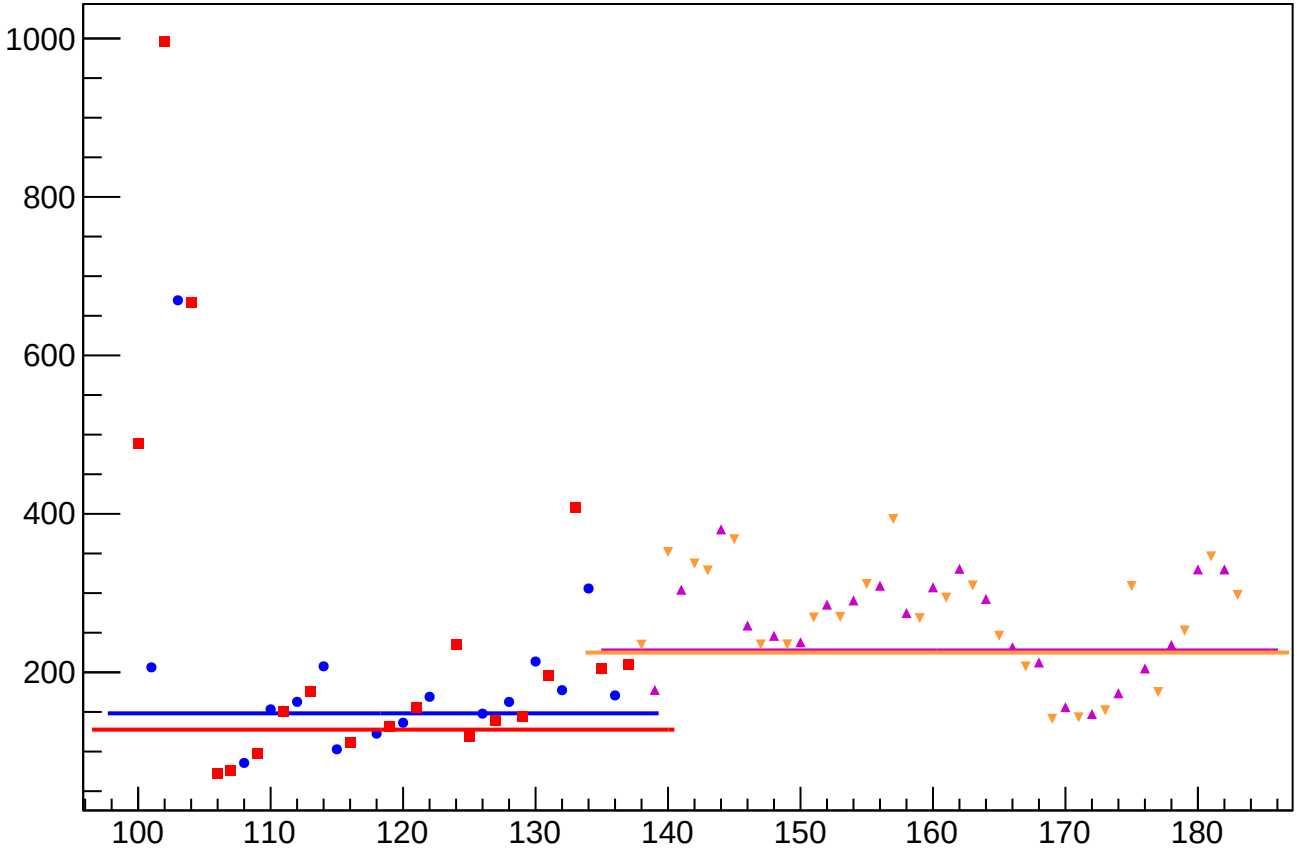
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.041 χ^2/NDF:38.4/37

Out: -0.044+/-0.039 χ^2/NDF:46.6/42

All: 0.010+/-0.028 χ^2/NDF: 89.1/80

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: 224.952+/-0.039 χ^2/NDF:3409937.5/23

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: 226.247+/-0.028 χ^2/NDF: 5884765.2/45

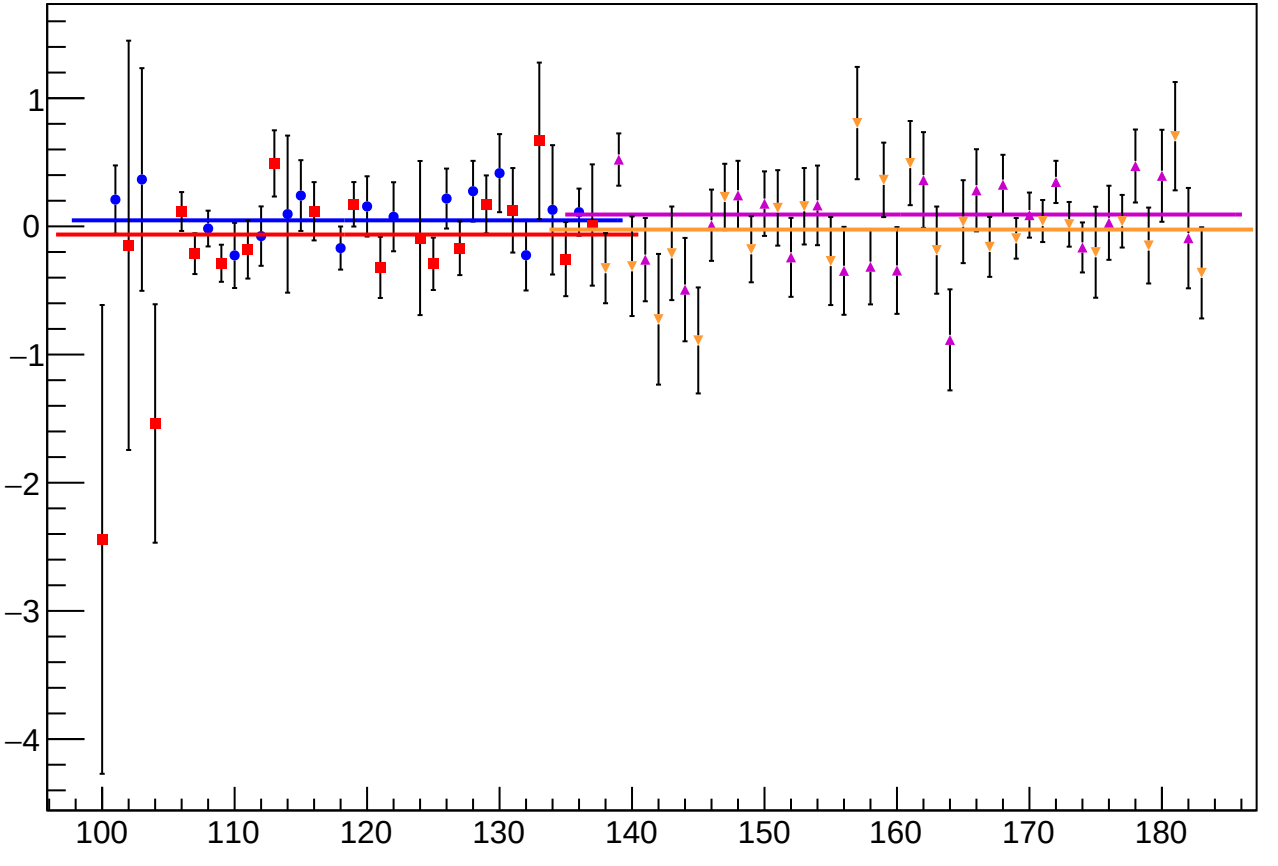
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 189.977+/-0.029 χ^2/NDF:6021836.9/37

Out: 175.808+/-0.027 χ^2/NDF:9384240.6/42

All: 182.455+/-0.020 χ^2/NDF: 15530818.2/80

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: -0.025+/-0.055 χ^2/NDF:24.1/23

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: 0.032+/-0.040 χ^2/NDF: 55.8/45

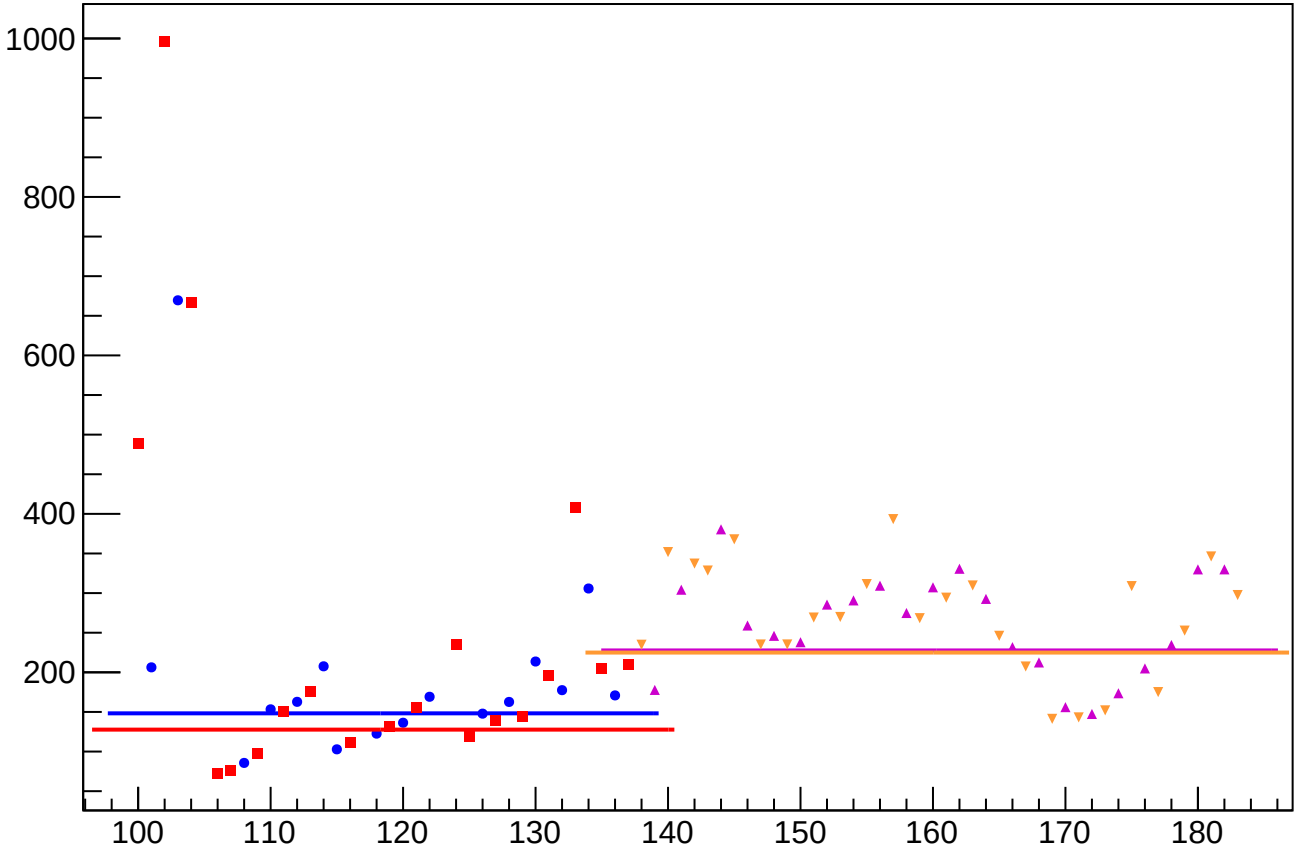
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.041 χ^2/NDF:38.4/37

Out: -0.044+/-0.039 χ^2/NDF:46.6/42

All: 0.010+/-0.028 χ^2/NDF: 89.1/80

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: 224.952+/-0.039 χ^2/NDF:3409937.5/23

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 227.626+/-0.040 χ^2/NDF:2472557.5/21

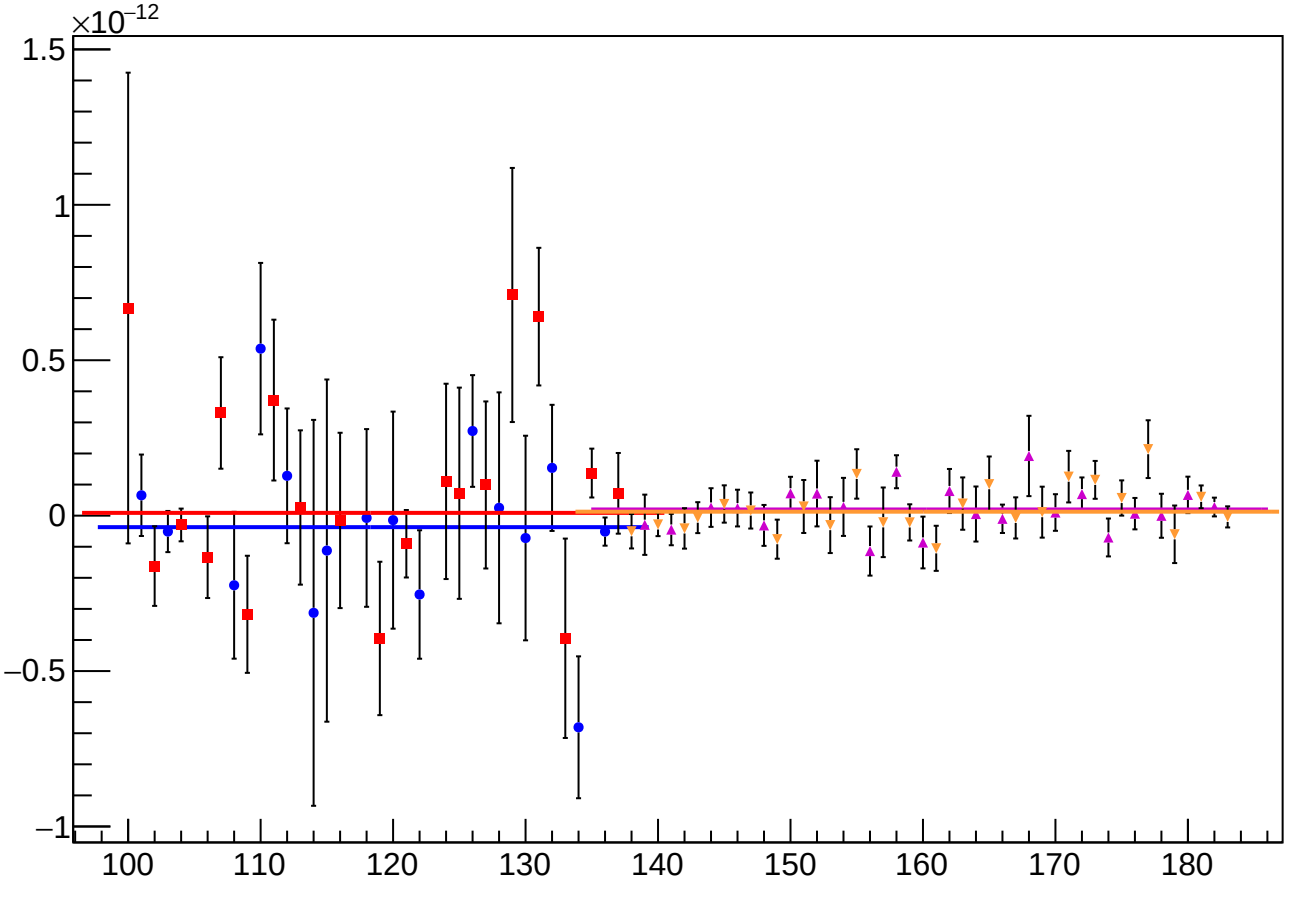
Left: 226.247+/-0.028 χ^2/NDF: 5884765.2/45

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 189.977+/-0.029 χ^2/NDF:6021836.9/37

Out: 175.808+/-0.027 χ^2/NDF:9384240.6/42

All: 182.455+/-0.020 χ^2/NDF: 15530818.2/80



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:20.3/21

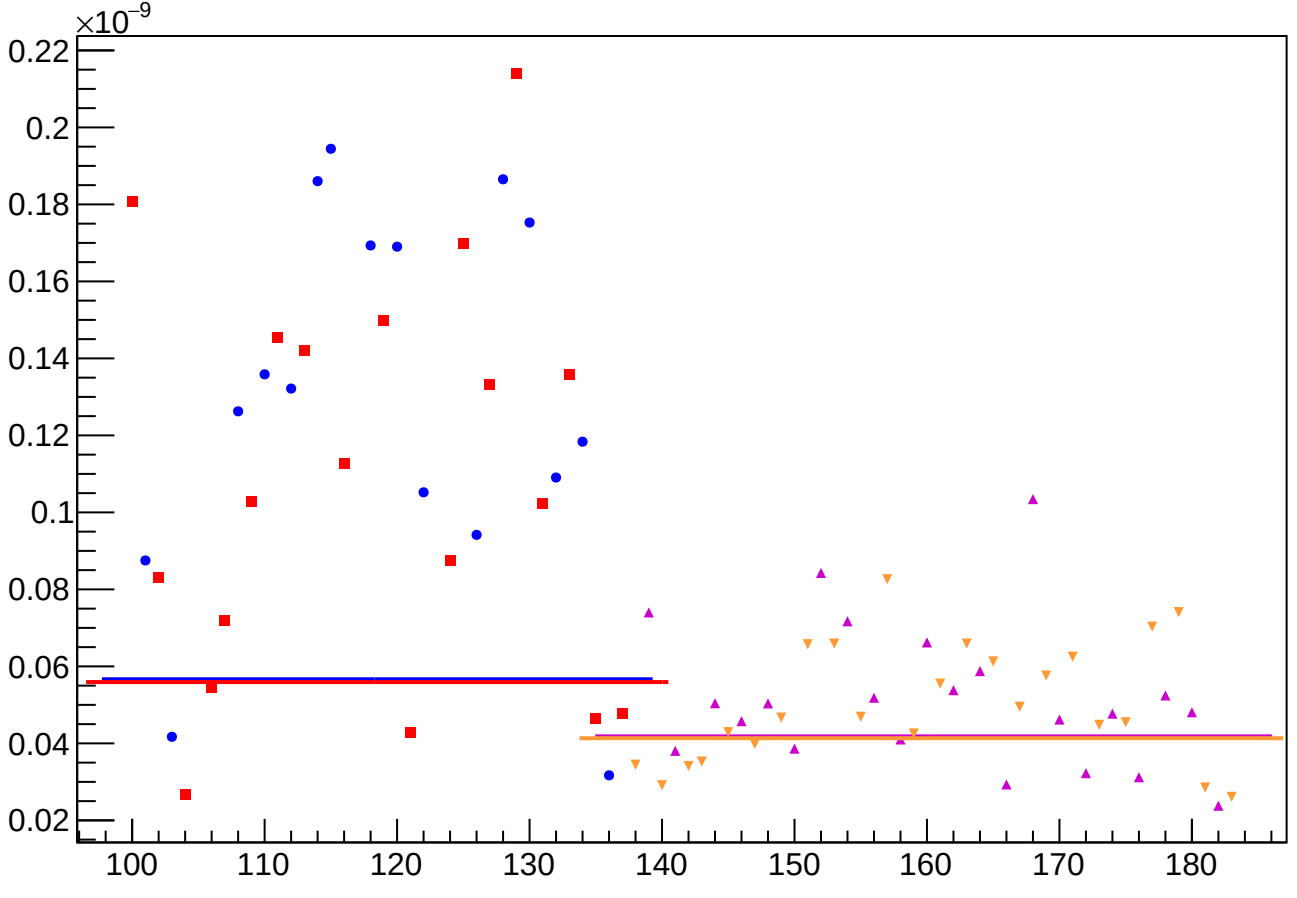
Left: 0.000+/-0.000 χ^2/NDF: 45.3/45

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:56.6/42

All: 0.000+/-0.000 χ^2/NDF: 99.1/80



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2604864.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2750470.8/21

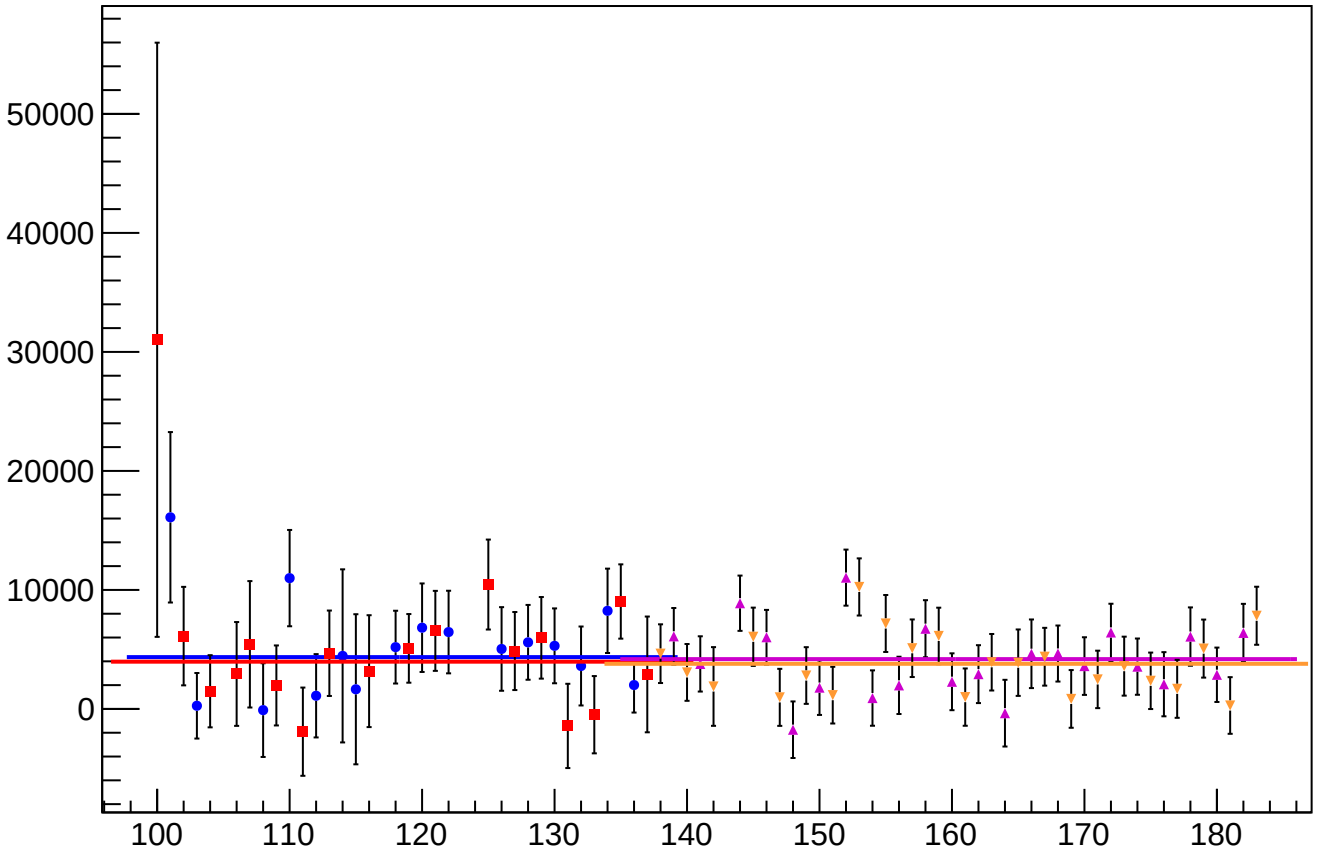
Left: 0.000+/-0.000 χ^2/NDF: 5356842.6/45

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:5700342.7/42

All: 0.000+/-0.000 χ^2/NDF: 11935199.3/80



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3792.300+/-510.800 χ^2/NDF:24.2/22

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4185.940+/-514.845 χ^2/NDF:32.1/21

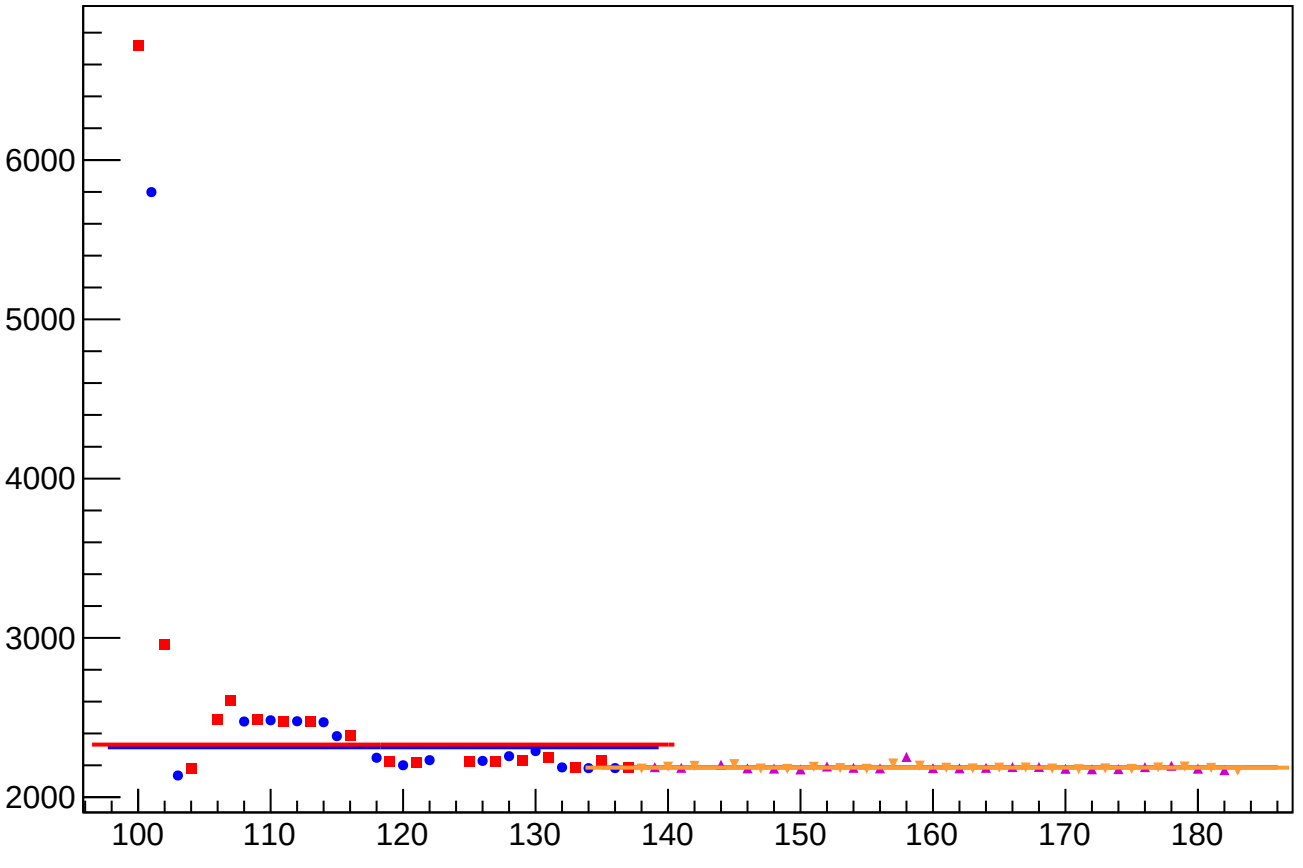
Left: 3987.568+/-362.612 χ^2/NDF: 56.5/44

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4229.239+/-443.752 χ^2/NDF:45.5/37

Out: 3838.182+/-440.658 χ^2/NDF:40.4/40

All: 4032.342+/-312.680 χ^2/NDF: 86.2/78



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2185.407+/-0.361 χ^2/NDF:774.7/22

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: 2186.223+/-0.256 χ^2/NDF: 2805.7/44

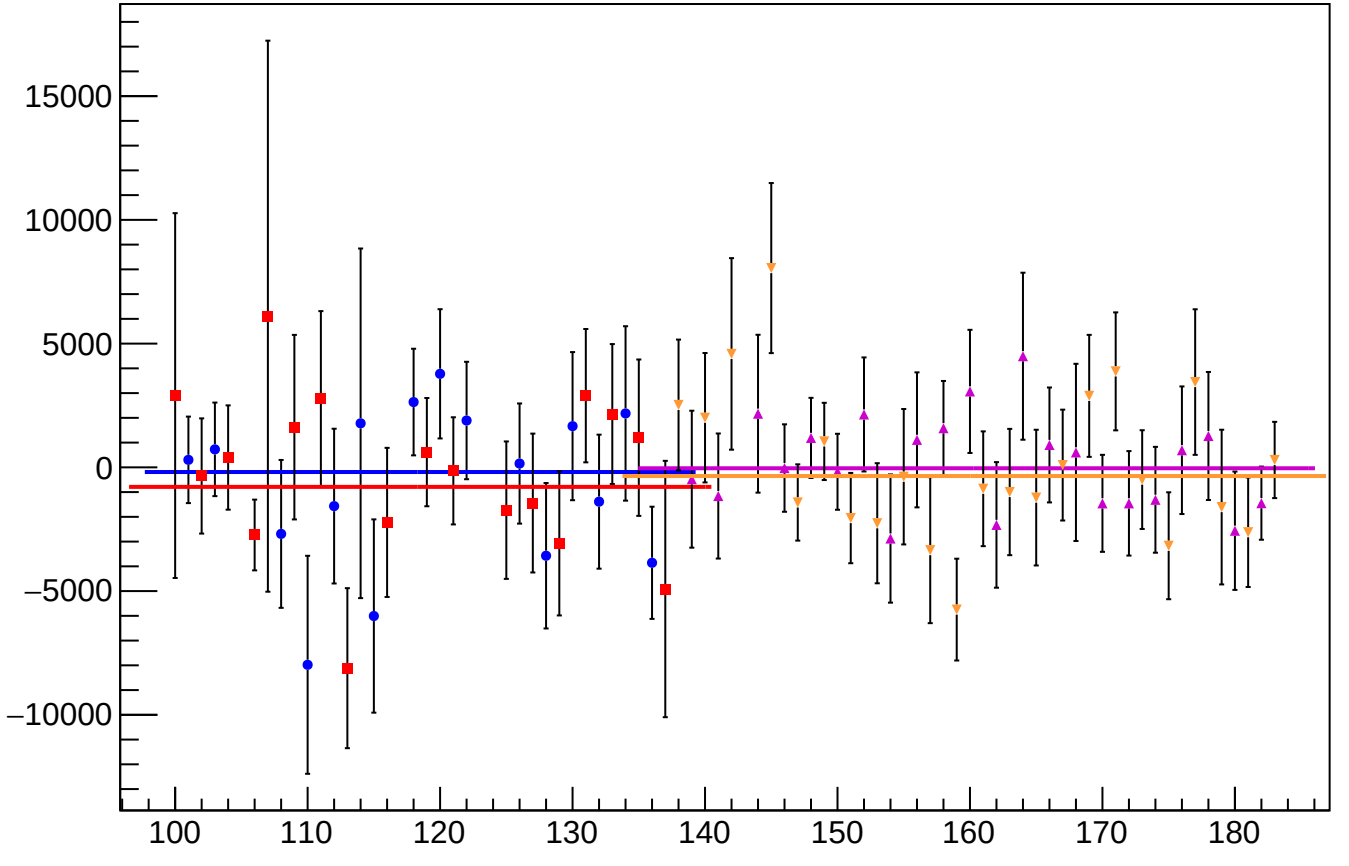
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2219.540+/-0.314 χ^2/NDF:545367.6/37

Out: 2222.442+/-0.312 χ^2/NDF:193090.1/40

All: 2221.001+/-0.221 χ^2/NDF: 738500.7/78

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: -350.965+/-468.834 χ^2/NDF:30.2/22

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: -193.815+/-331.283 χ^2/NDF: 42.7/44

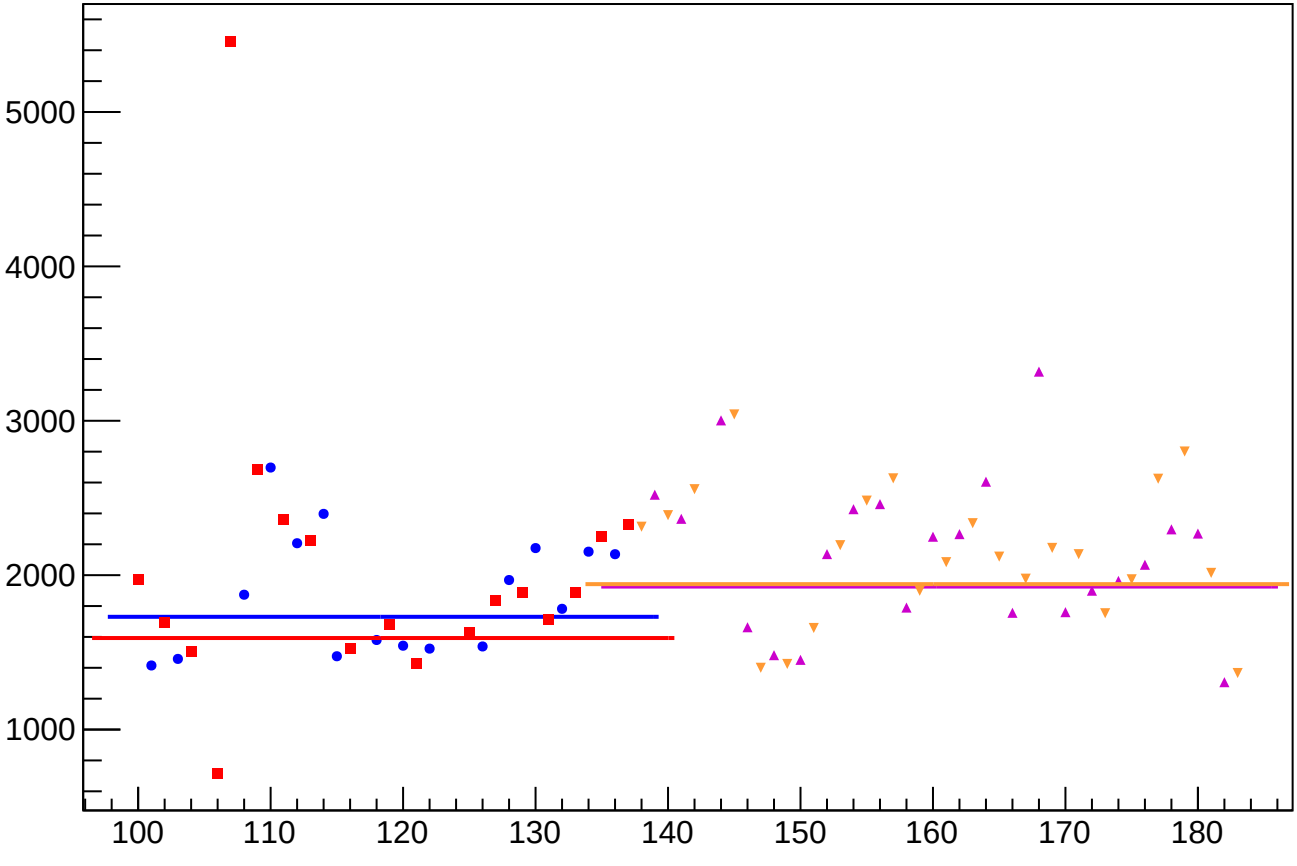
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: -88.009+/-381.535 χ^2/NDF:28.8/37

Out: -505.647+/-377.150 χ^2/NDF:45.4/40

All: -299.242+/-268.222 χ^2/NDF: 74.8/78

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: 1941.874+/-0.332 χ^2/NDF:1731118.5/22

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1926.139+/-0.331 χ^2/NDF:1863924.4/21

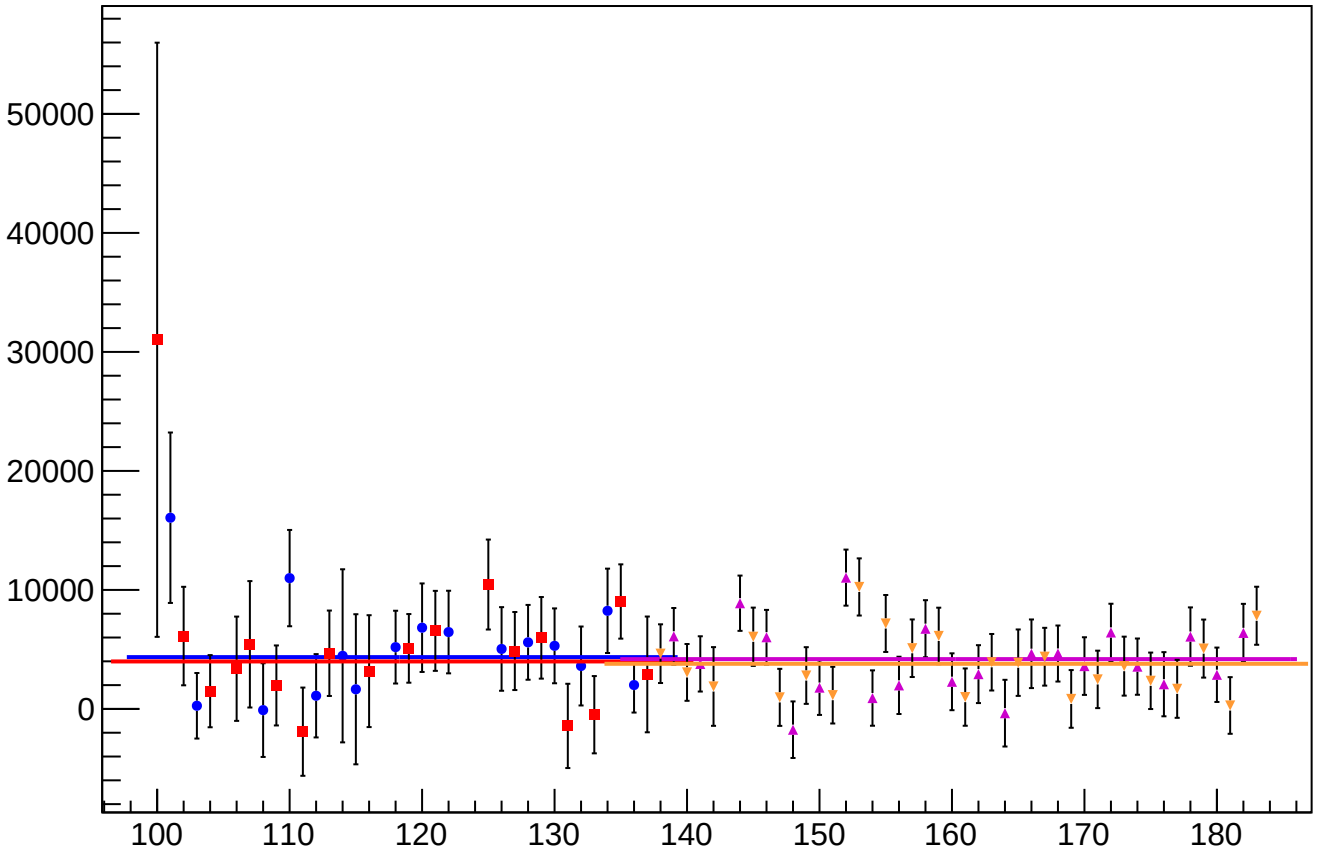
Left: 1933.996+/-0.234 χ^2/NDF: 3596170.9/44

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1860.358+/-0.270 χ^2/NDF:2460411.6/37

Out: 1818.704+/-0.267 χ^2/NDF:3678510.5/40

All: 1839.290+/-0.190 χ^2/NDF: 6150978.9/78



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3792.262+/-510.800 χ^2/NDF:24.2/22

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4186.024+/-514.845 χ^2/NDF:32.1/21

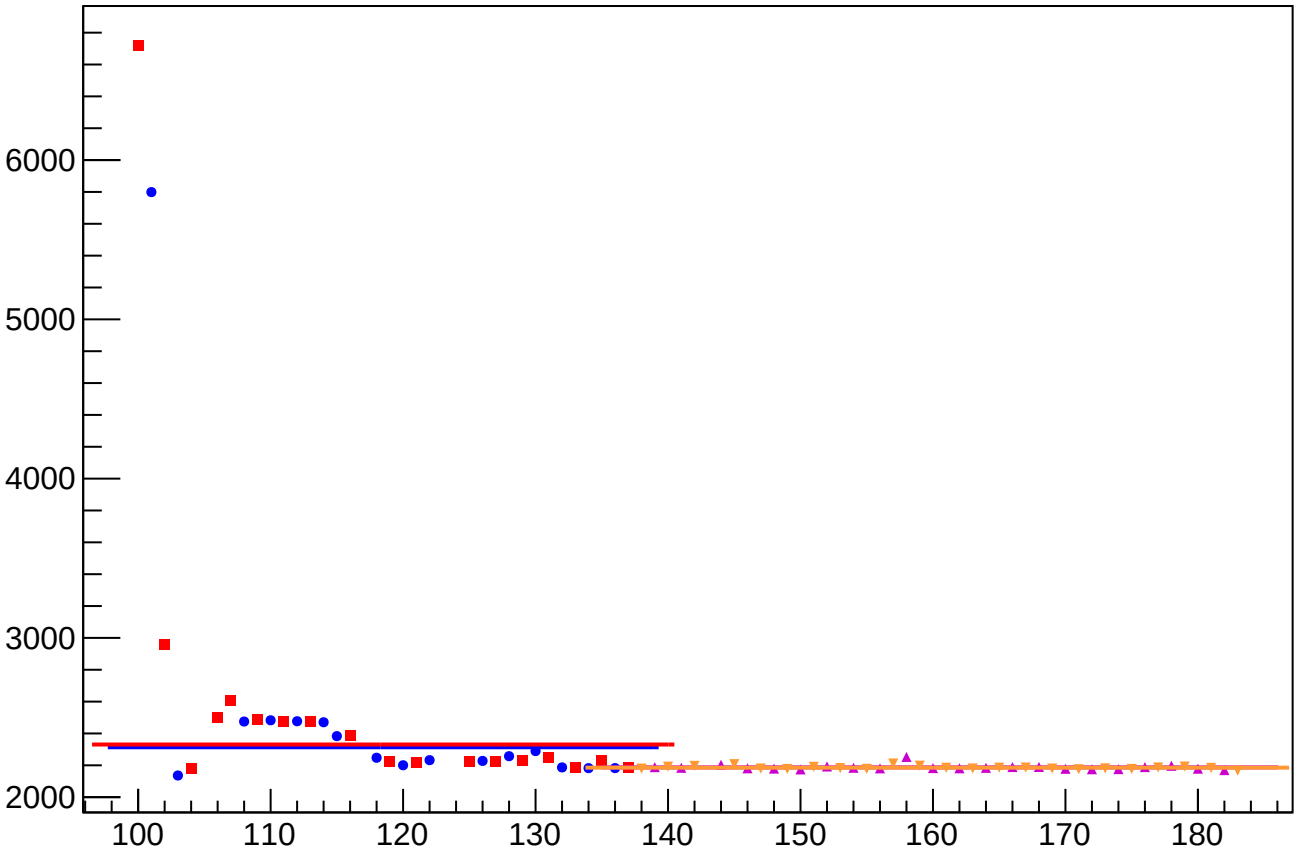
Left: 3987.590+/-362.612 χ^2/NDF: 56.5/44

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4229.127+/-443.752 χ^2/NDF:45.5/37

Out: 3842.796+/-440.678 χ^2/NDF:40.3/40

All: 4034.619+/-312.687 χ^2/NDF: 86.2/78



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2185.407+/-0.361 χ^2/NDF:774.7/22

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: 2186.223+/-0.256 χ^2/NDF: 2805.7/44

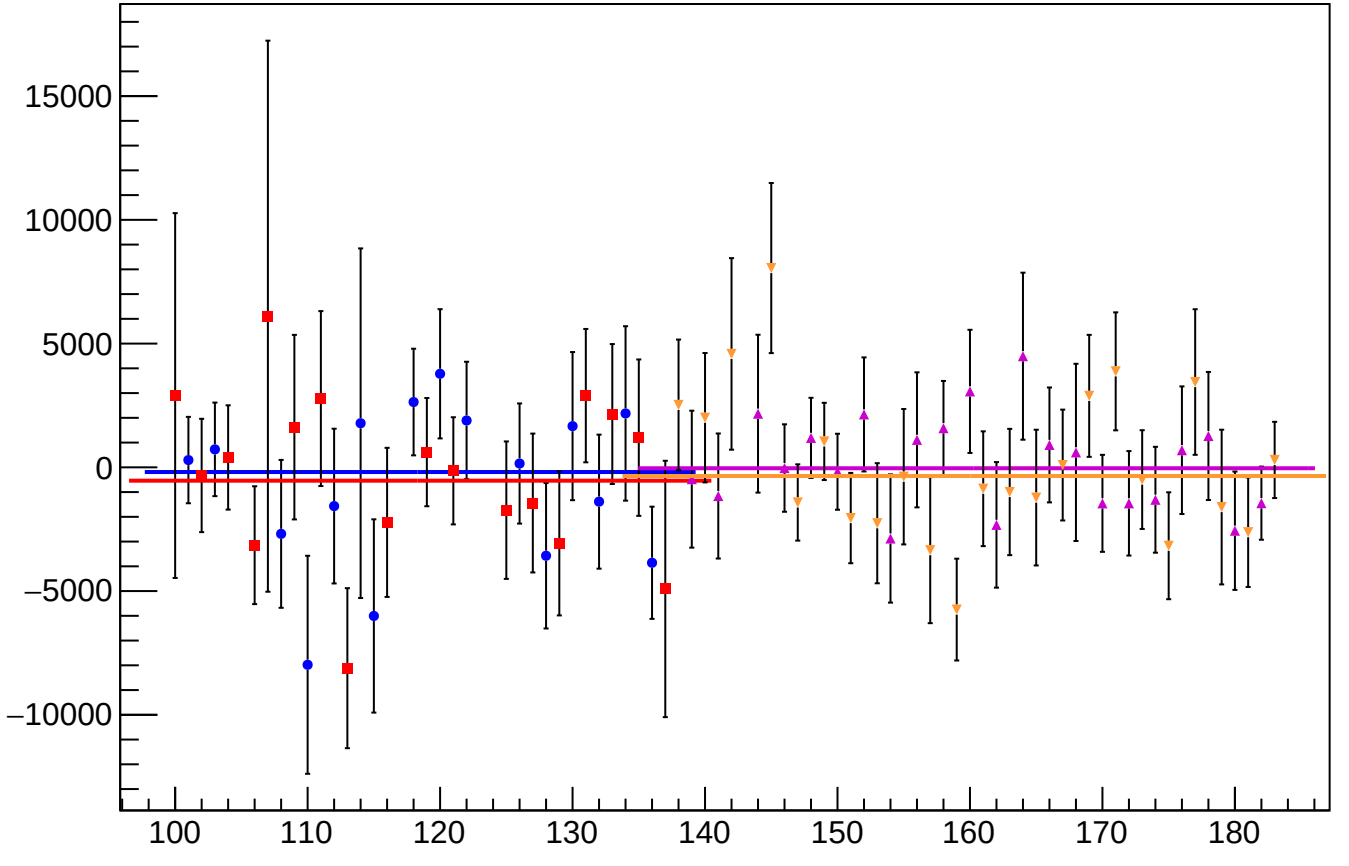
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2219.540+/-0.314 χ^2/NDF:545367.9/37

Out: 2222.527+/-0.312 χ^2/NDF:193635.5/40

All: 2221.044+/-0.221 χ^2/NDF: 739049.1/78

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: -350.967+/-468.833 χ^2/NDF:30.2/22

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: -193.813+/-331.283 χ^2/NDF: 42.7/44

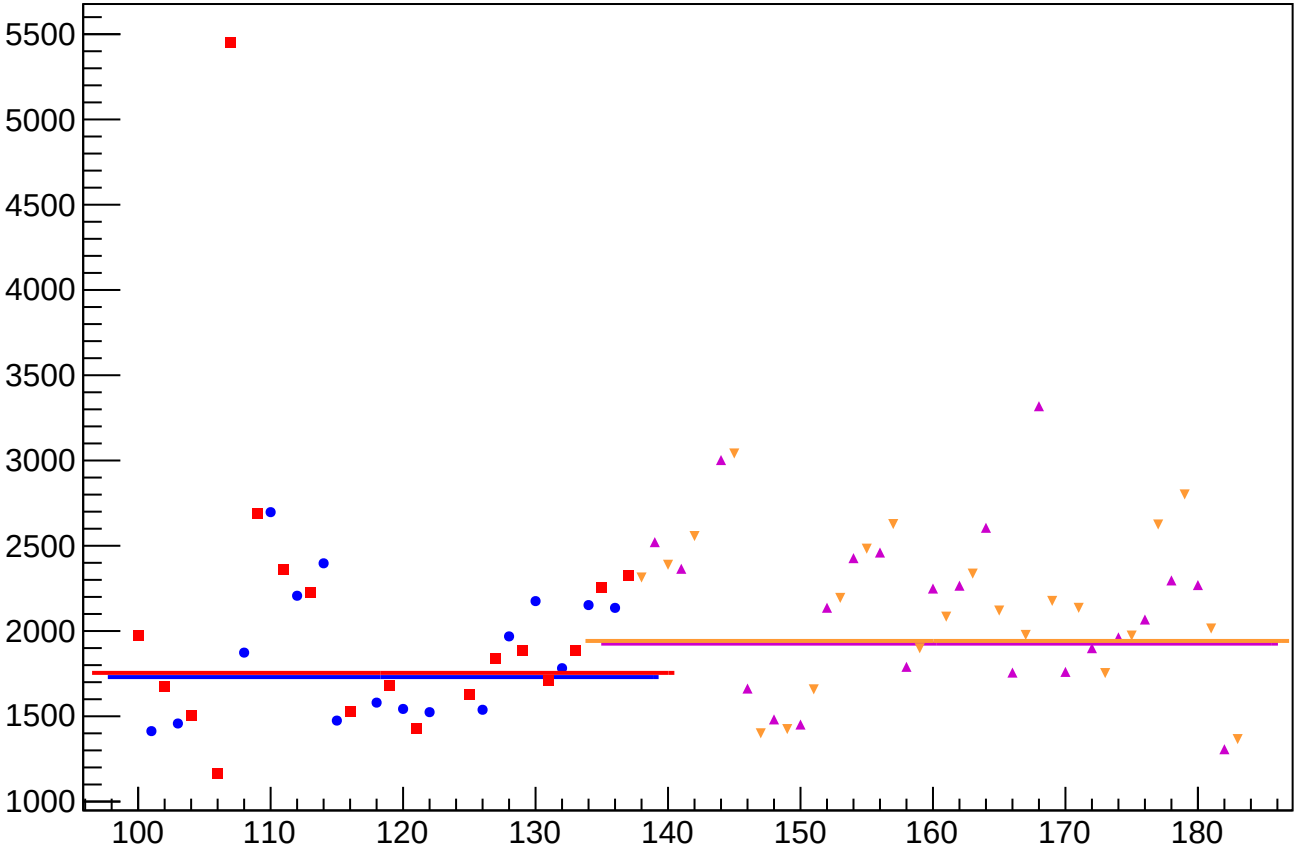
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: -88.389+/-381.510 χ^2/NDF:28.8/37

Out: -411.934+/-385.657 χ^2/NDF:44.1/40

All: -248.412+/-271.223 χ^2/NDF: 73.3/78

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1941.872+/-0.332 χ^2/NDF:1731149.2/22

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1926.143+/-0.331 χ^2/NDF:1863960.5/21

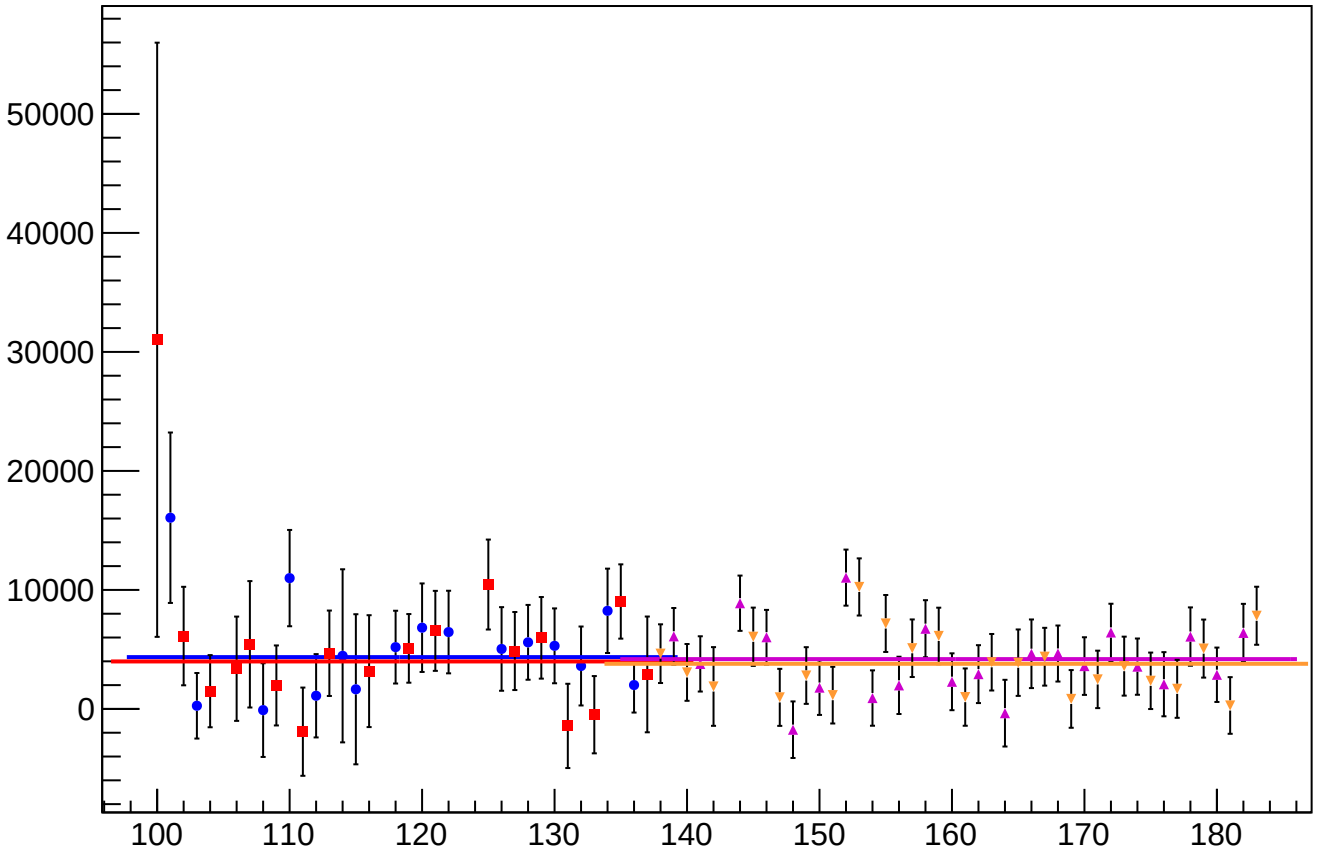
Left: 1933.996+/-0.234 χ^2/NDF: 3596236.8/44

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1860.212+/-0.270 χ^2/NDF:2461916.7/37

Out: 1881.294+/-0.273 χ^2/NDF:2585422.8/40

All: 1870.639+/-0.192 χ^2/NDF: 5050360.2/78



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3792.262+/-510.800 χ^2/NDF:24.2/22

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4186.024+/-514.845 χ^2/NDF:32.1/21

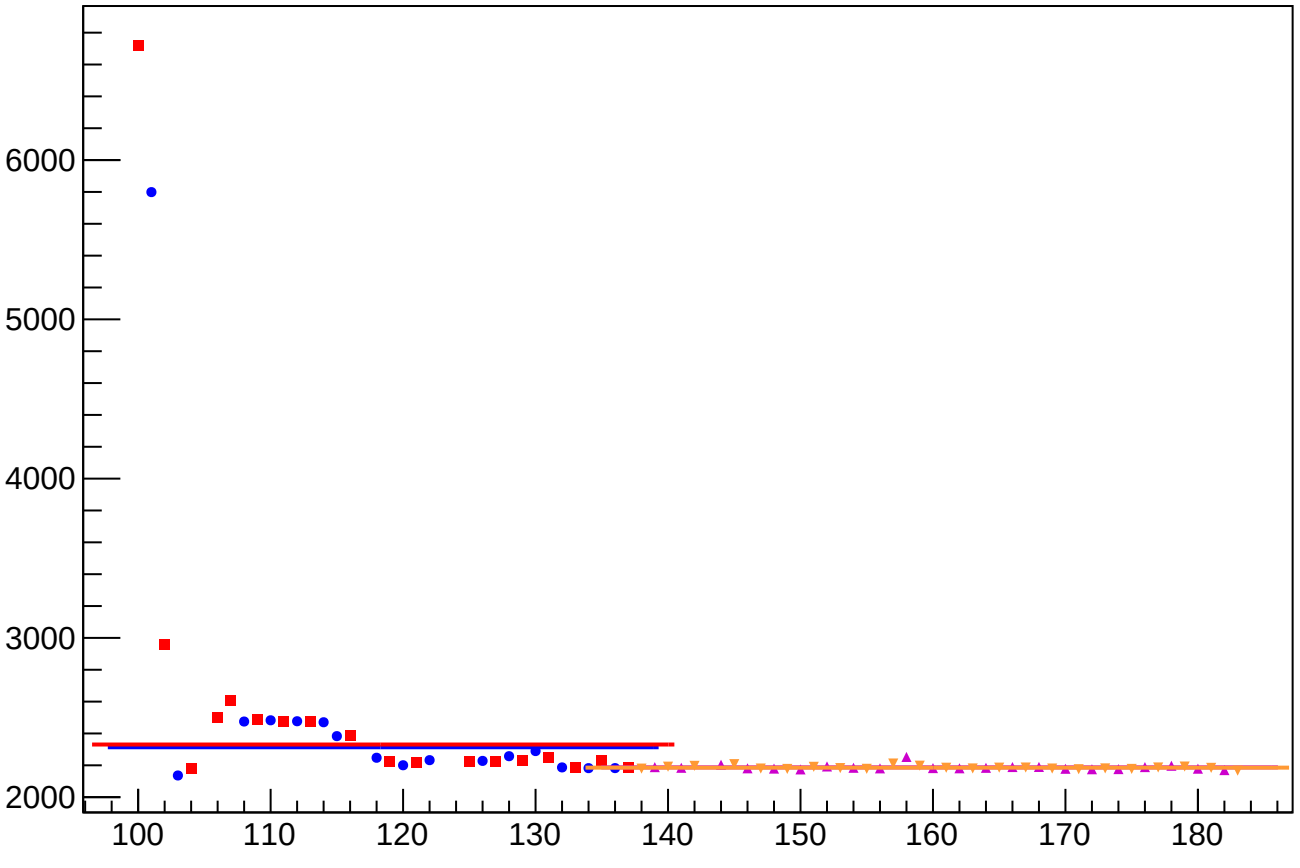
Left: 3987.590+/-362.612 χ^2/NDF: 56.5/44

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4229.127+/-443.752 χ^2/NDF:45.5/37

Out: 3842.796+/-440.678 χ^2/NDF:40.3/40

All: 4034.619+/-312.687 χ^2/NDF: 86.2/78



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2185.407+/-0.361 χ^2/NDF:774.7/22

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: 2186.223+/-0.256 χ^2/NDF: 2805.7/44

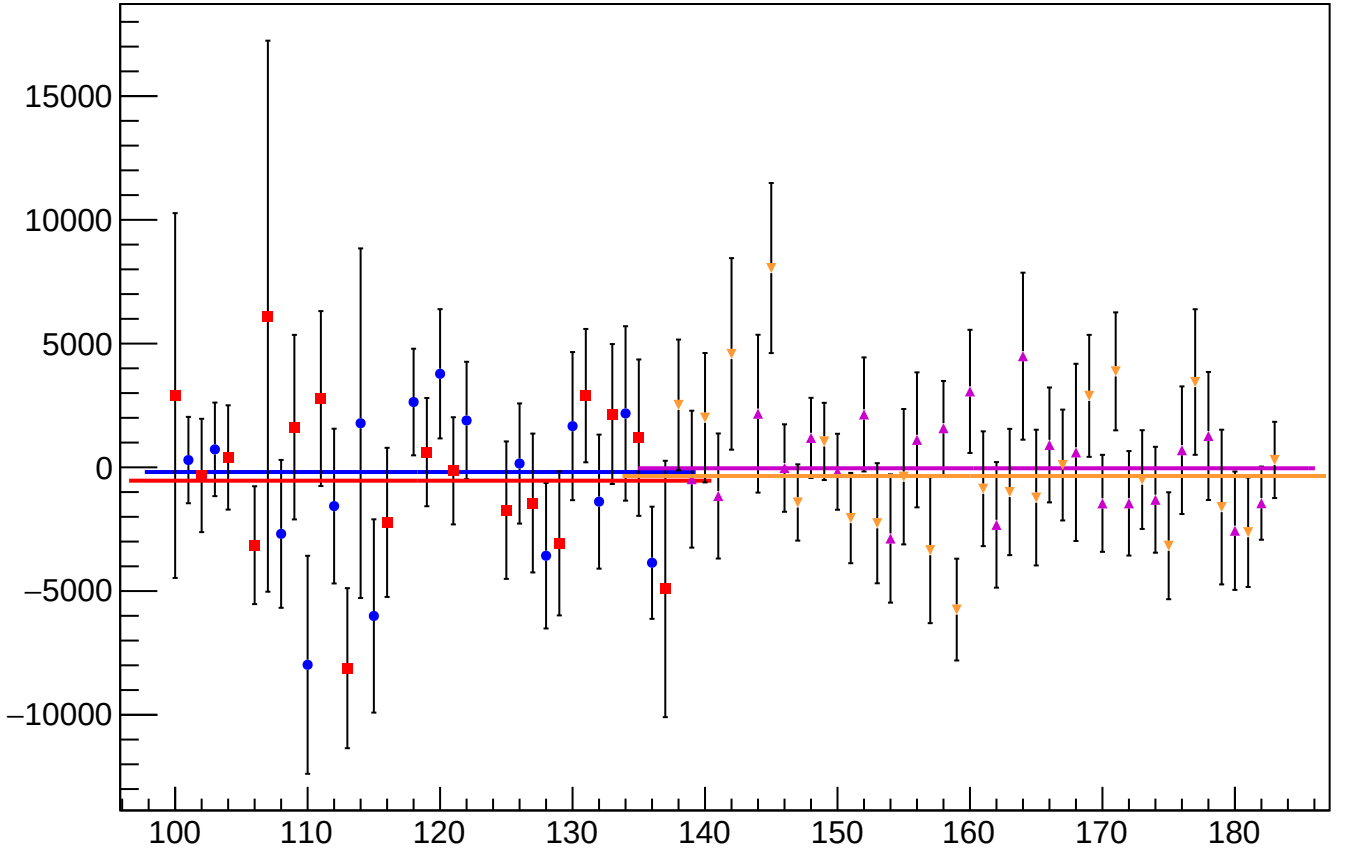
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2219.540+/-0.314 χ^2/NDF:545367.9/37

Out: 2222.527+/-0.312 χ^2/NDF:193635.5/40

All: 2221.044+/-0.221 χ^2/NDF: 739049.1/78

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: -350.967+/-468.833 χ^2/NDF:30.2/22

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: -193.813+/-331.283 χ^2/NDF: 42.7/44

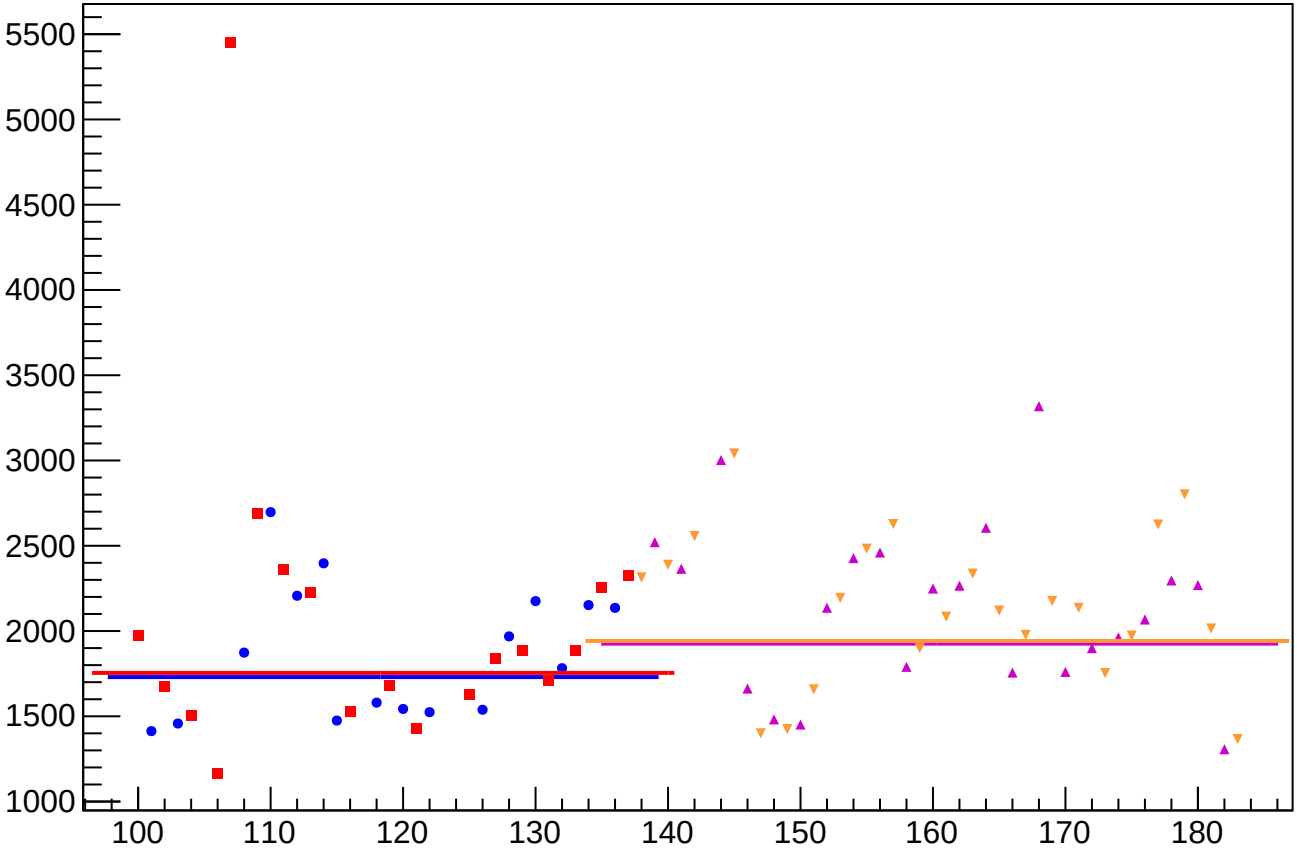
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: -88.389+/-381.510 χ^2/NDF:28.8/37

Out: -411.934+/-385.657 χ^2/NDF:44.1/40

All: -248.412+/-271.223 χ^2/NDF: 73.3/78

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: 1941.872+/-0.332 χ^2/NDF:1731149.2/22

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: 1933.996+/-0.234 χ^2/NDF: 3596236.8/44

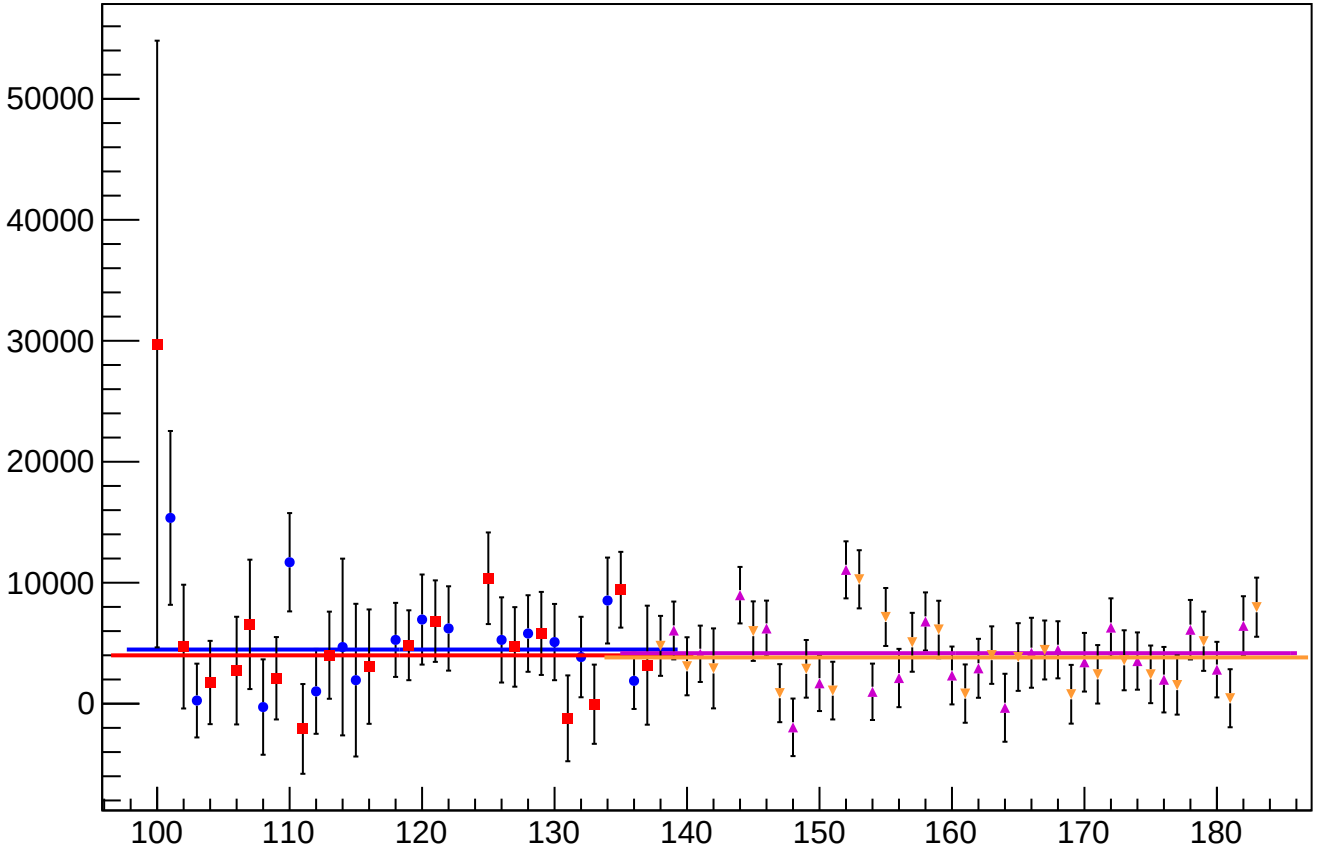
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1860.212+/-0.270 χ^2/NDF:2461916.7/37

Out: 1881.294+/-0.273 χ^2/NDF:2585422.8/40

All: 1870.639+/-0.192 χ^2/NDF: 5050360.2/78

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3823.800+/-512.235 χ^2/NDF:24.4/22

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4173.439+/-516.150 χ^2/NDF:32.6/21

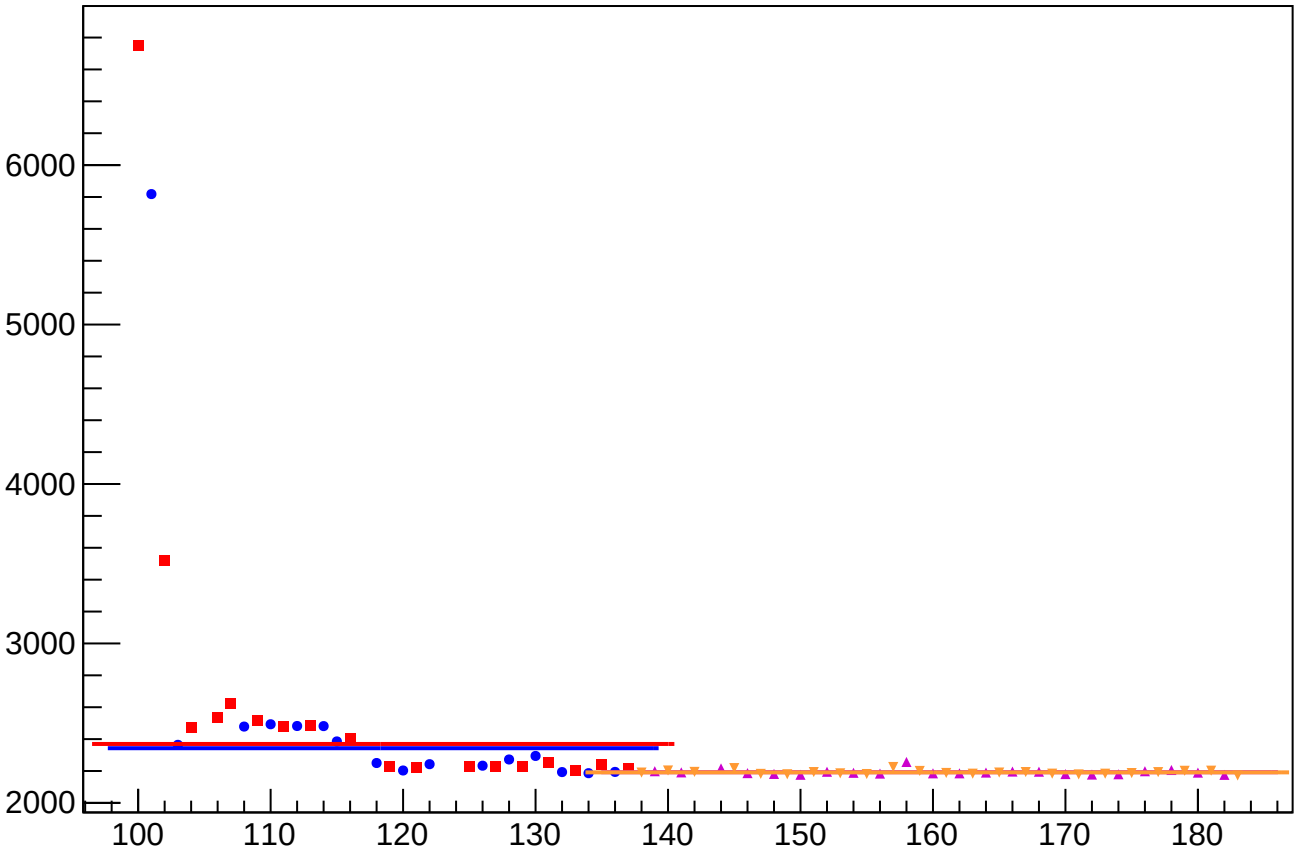
Left: 3997.289+/-363.581 χ^2/NDF: 57.2/44

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4250.202+/-446.000 χ^2/NDF:46.3/37

Out: 3866.568+/-444.010 χ^2/NDF:39.9/40

All: 4057.527+/-314.664 χ^2/NDF: 86.5/78



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.469+/-0.362 χ^2/NDF:1173.4/22

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: 2192.004+/-0.257 χ^2/NDF: 3405.3/44

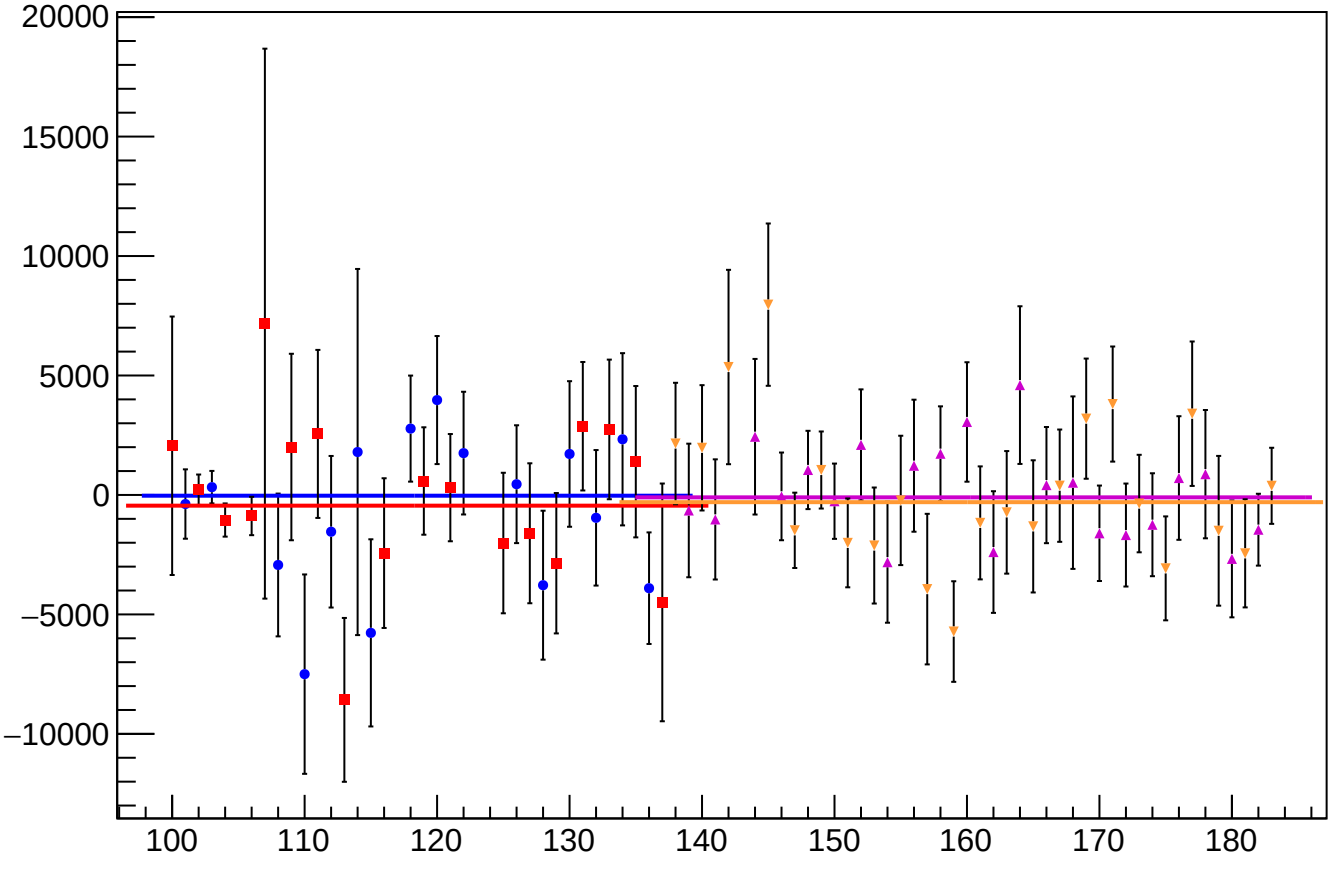
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2230.642+/-0.315 χ^2/NDF:548097.1/37

Out: 2235.753+/-0.314 χ^2/NDF:271440.1/40

All: 2233.209+/-0.223 χ^2/NDF: 819669.1/78

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: -301.900+/-477.740 χ^2/NDF:29.7/22

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -100.364+/-476.226 χ^2/NDF:12.4/21

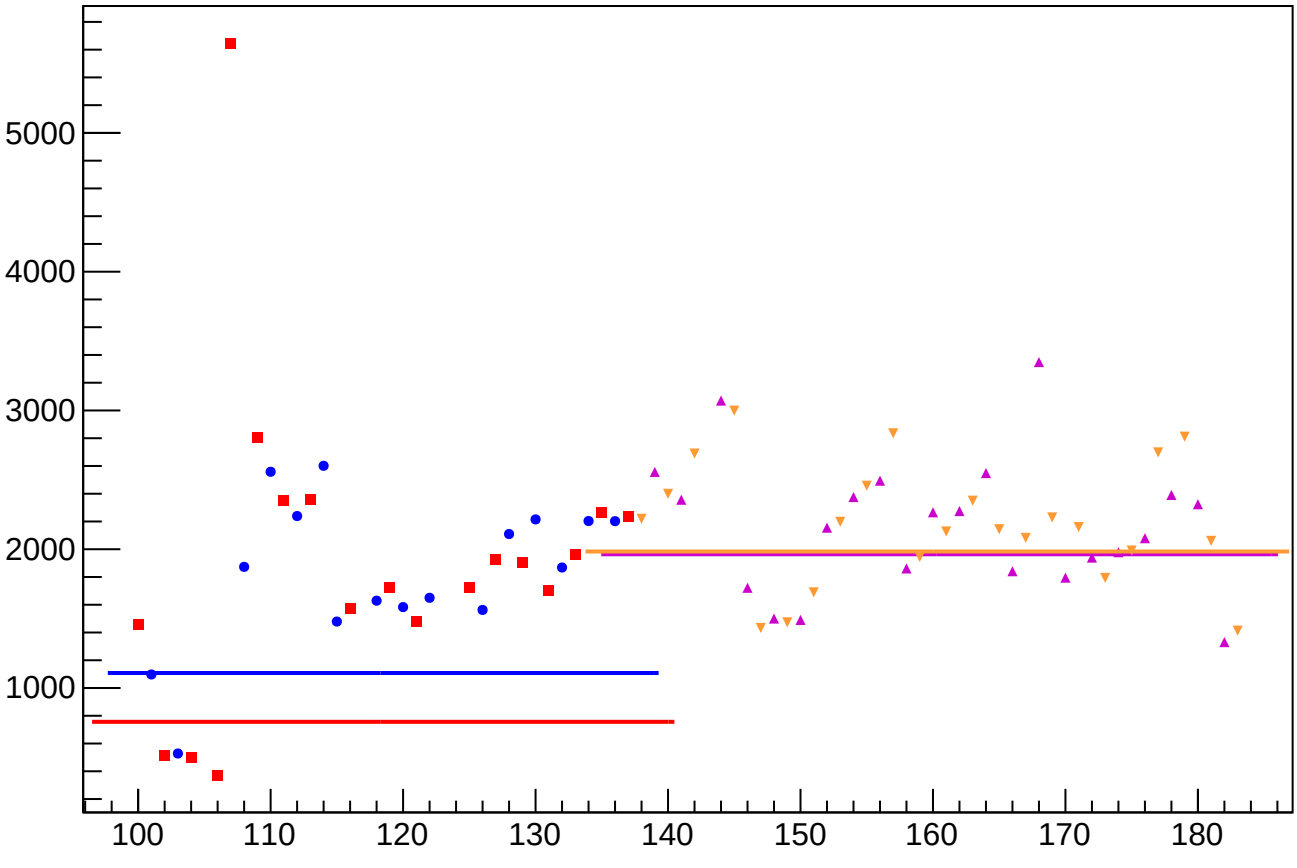
Left: -200.812+/-337.277 χ^2/NDF: 42.2/44

Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: -66.531+/-339.915 χ^2/NDF:28.8/37

Out: -394.770+/-288.814 χ^2/NDF:44.9/40

All: -257.154+/-220.095 χ^2/NDF: 74.2/78



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1983.611+/-0.338 χ^2/NDF:1640156.6/22

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1963.705+/-0.337 χ^2/NDF:1779152.6/21

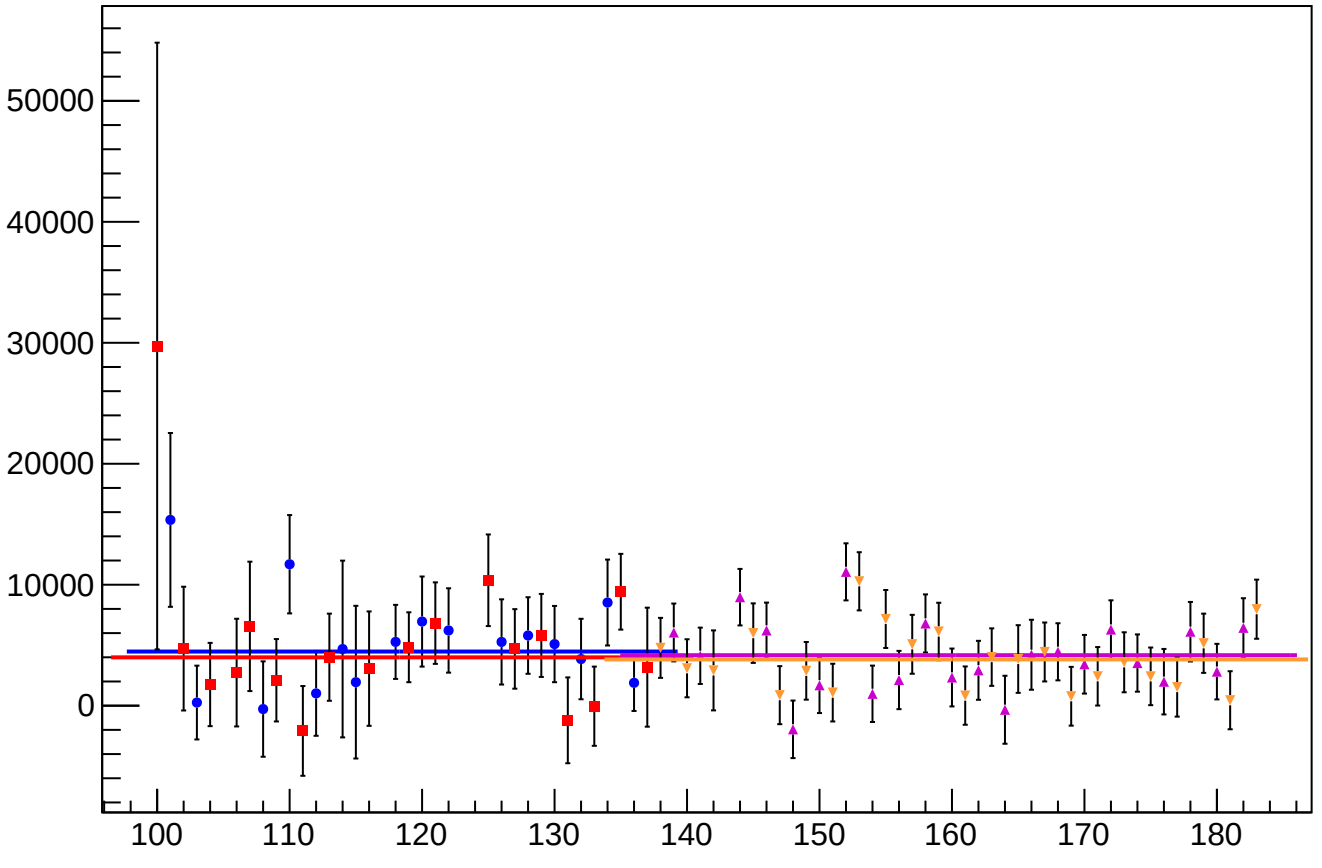
Left: 1973.626+/-0.238 χ^2/NDF: 3421050.9/44

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1544.020+/-0.240 χ^2/NDF:8692130.1/37

Out: 1204.922+/-0.204 χ^2/NDF:15617193.3/40

All: 1347.091+/-0.156 χ^2/NDF: 25465236.9/7



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3823.798+/-512.235 χ^2/NDF:24.4/22

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4173.440+/-516.150 χ^2/NDF:32.6/21

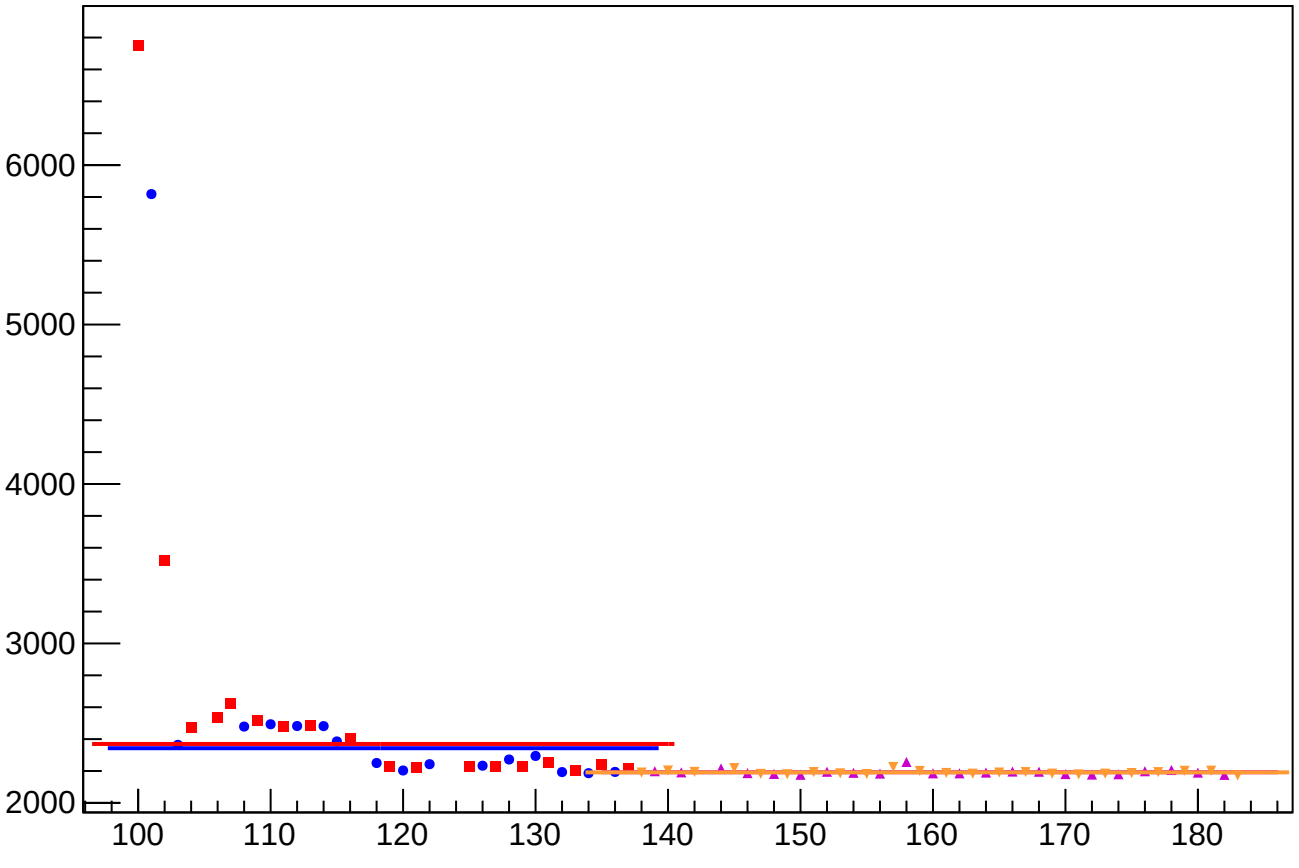
Left: 3997.288+/-363.581 χ^2/NDF: 57.2/44

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4250.201+/-446.000 χ^2/NDF:46.3/37

Out: 3866.566+/-444.010 χ^2/NDF:39.9/40

All: 4057.526+/-314.664 χ^2/NDF: 86.5/78



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.469+/-0.362 χ^2/NDF:1173.4/22

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: 2192.004+/-0.257 χ^2/NDF: 3405.3/44

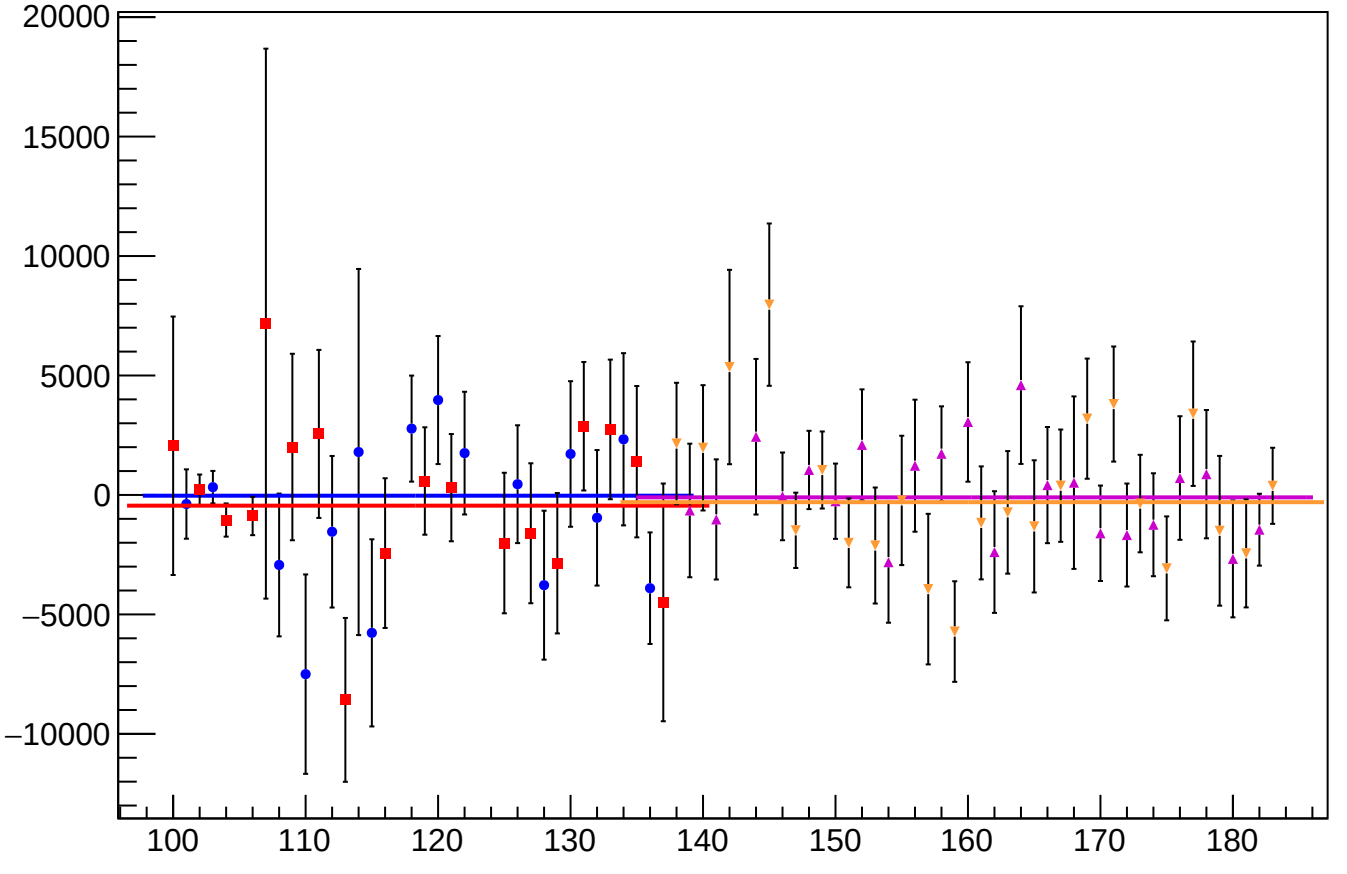
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2230.642+/-0.315 χ^2/NDF:548096.9/37

Out: 2235.753+/-0.314 χ^2/NDF:271438.6/40

All: 2233.209+/-0.223 χ^2/NDF: 819667.4/78

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: -301.903+/-477.741 χ^2/NDF:29.7/22

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: -200.814+/-337.277 χ^2/NDF: 42.2/44

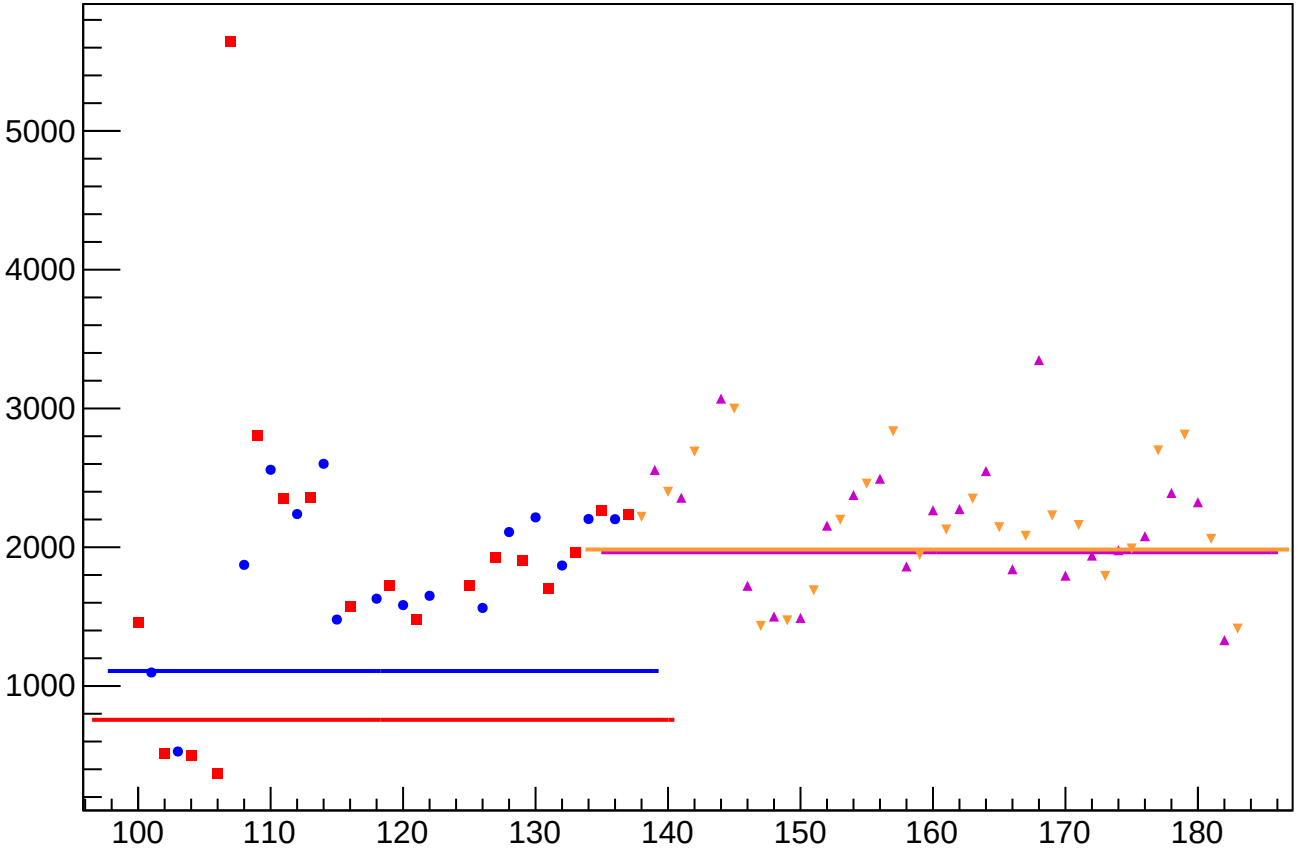
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: -66.535+/-339.916 χ^2/NDF:28.8/37

Out: -394.773+/-288.816 χ^2/NDF:44.9/40

All: -257.156+/-220.097 χ^2/NDF: 74.2/78

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: 1983.615+/-0.338 χ^2/NDF:1640155.8/22

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1963.708+/-0.337 χ^2/NDF:1779150.6/21

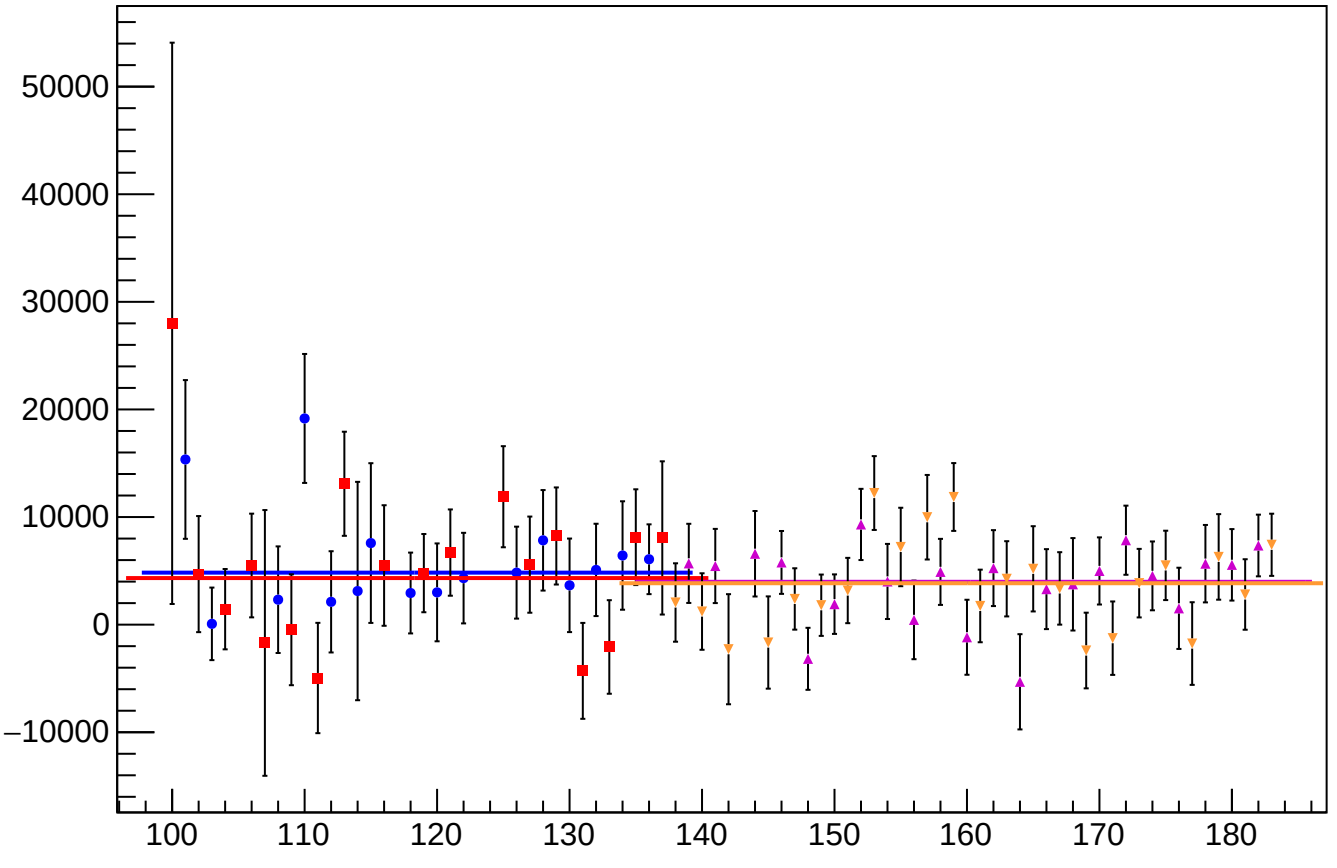
Left: 1973.630+/-0.238 χ^2/NDF: 3421048.2/44

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1544.029+/-0.240 χ^2/NDF:8691984.4/37

Out: 1204.939+/-0.204 χ^2/NDF:15616818.3/40

All: 1347.105+/-0.156 χ^2/NDF: 25464640.5/7



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3849.316+/-715.245 χ^2/NDF:30.8/22

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: 3915.213+/-506.597 χ^2/NDF: 53.0/44

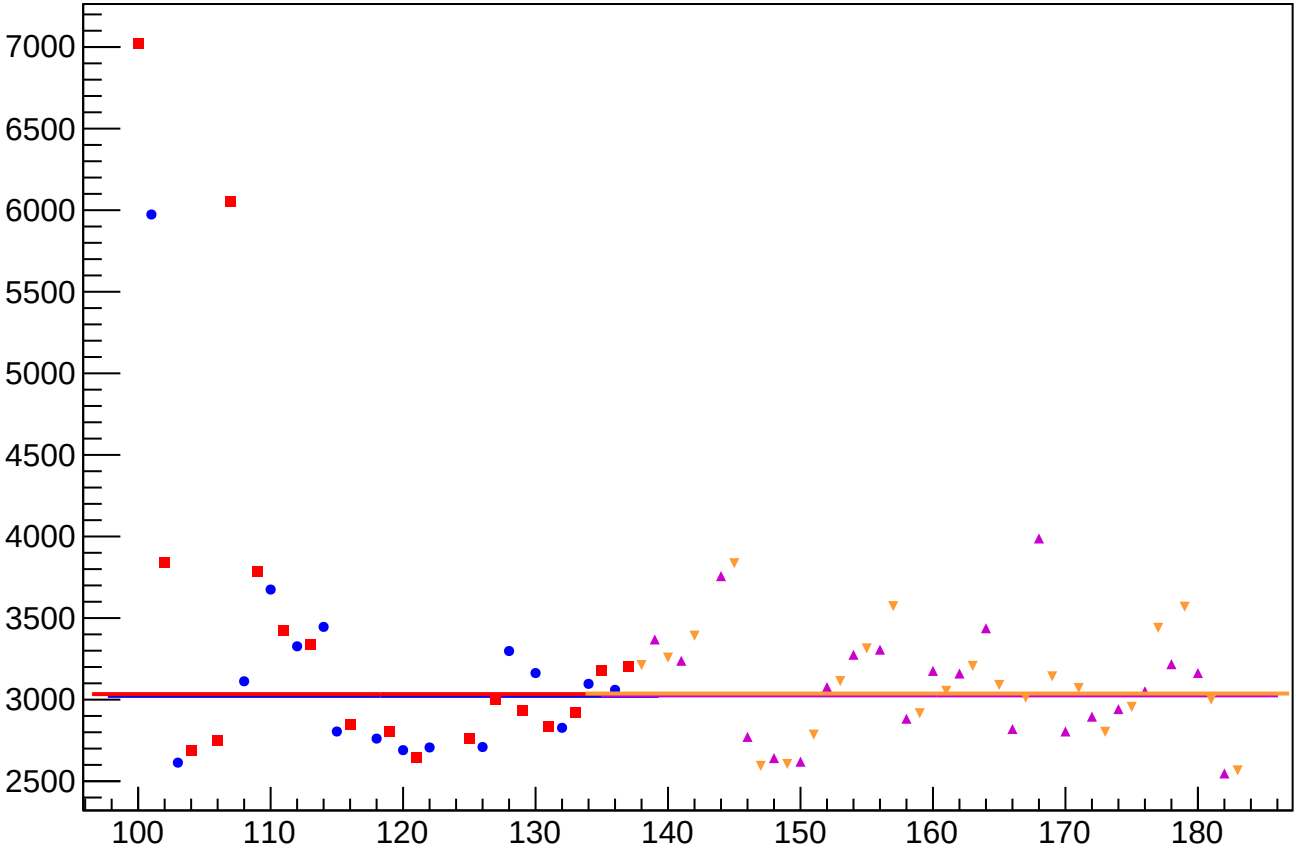
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4222.660+/-607.702 χ^2/NDF:34.2/37

Out: 3983.922+/-606.549 χ^2/NDF:50.8/40

All: 4103.064+/-429.302 χ^2/NDF: 85.1/78

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3037.482+/-0.506 χ^2/NDF:382475.2/22

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3025.995+/-0.507 χ^2/NDF:423396.8/21

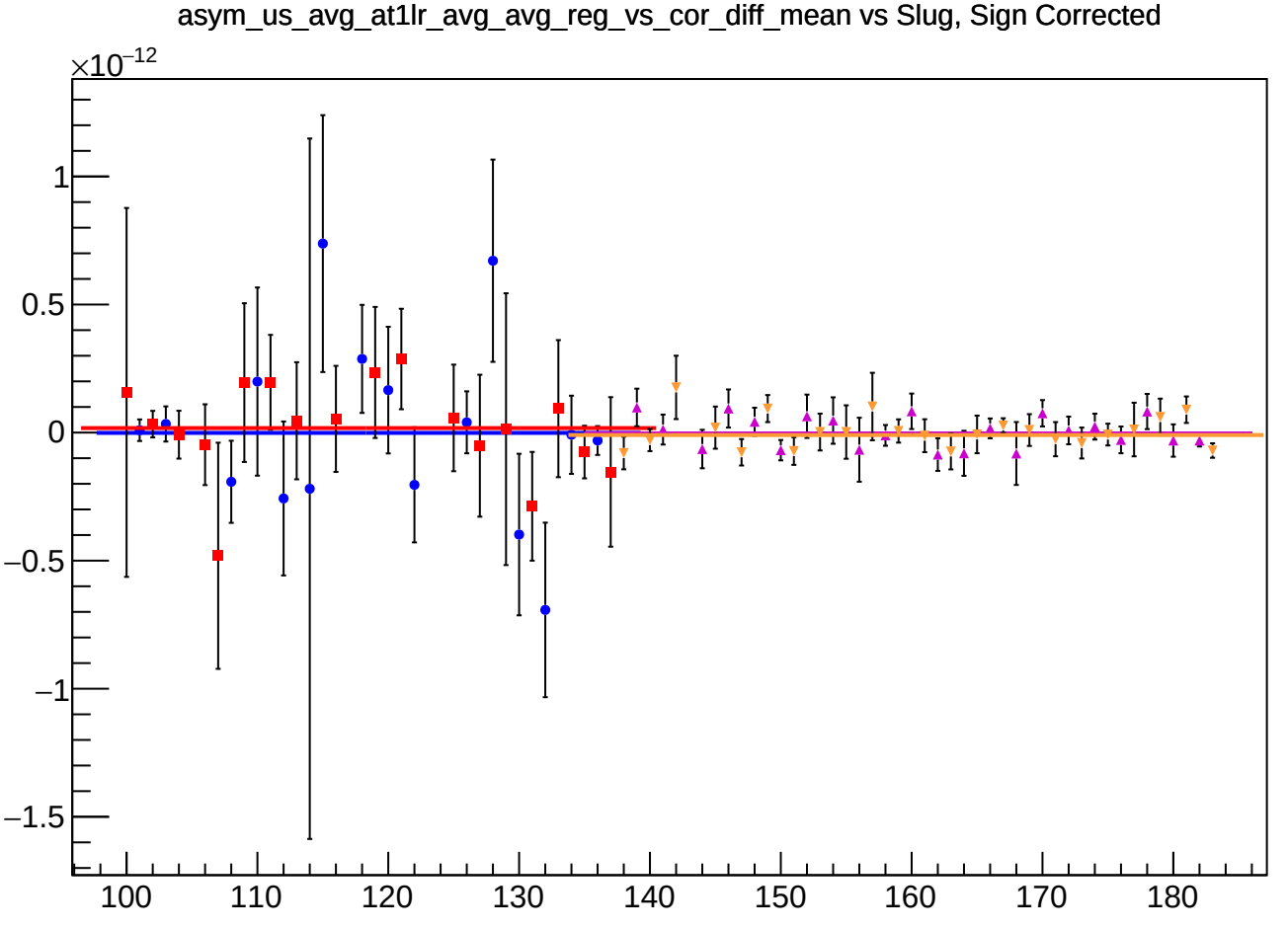
Left: 3031.757+/-0.358 χ^2/NDF: 806129.1/44

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3025.167+/-0.430 χ^2/NDF:867112.0/37

Out: 3036.467+/-0.429 χ^2/NDF:725164.2/40

All: 3030.828+/-0.304 χ^2/NDF: 1592622.7/78



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:19.7/21

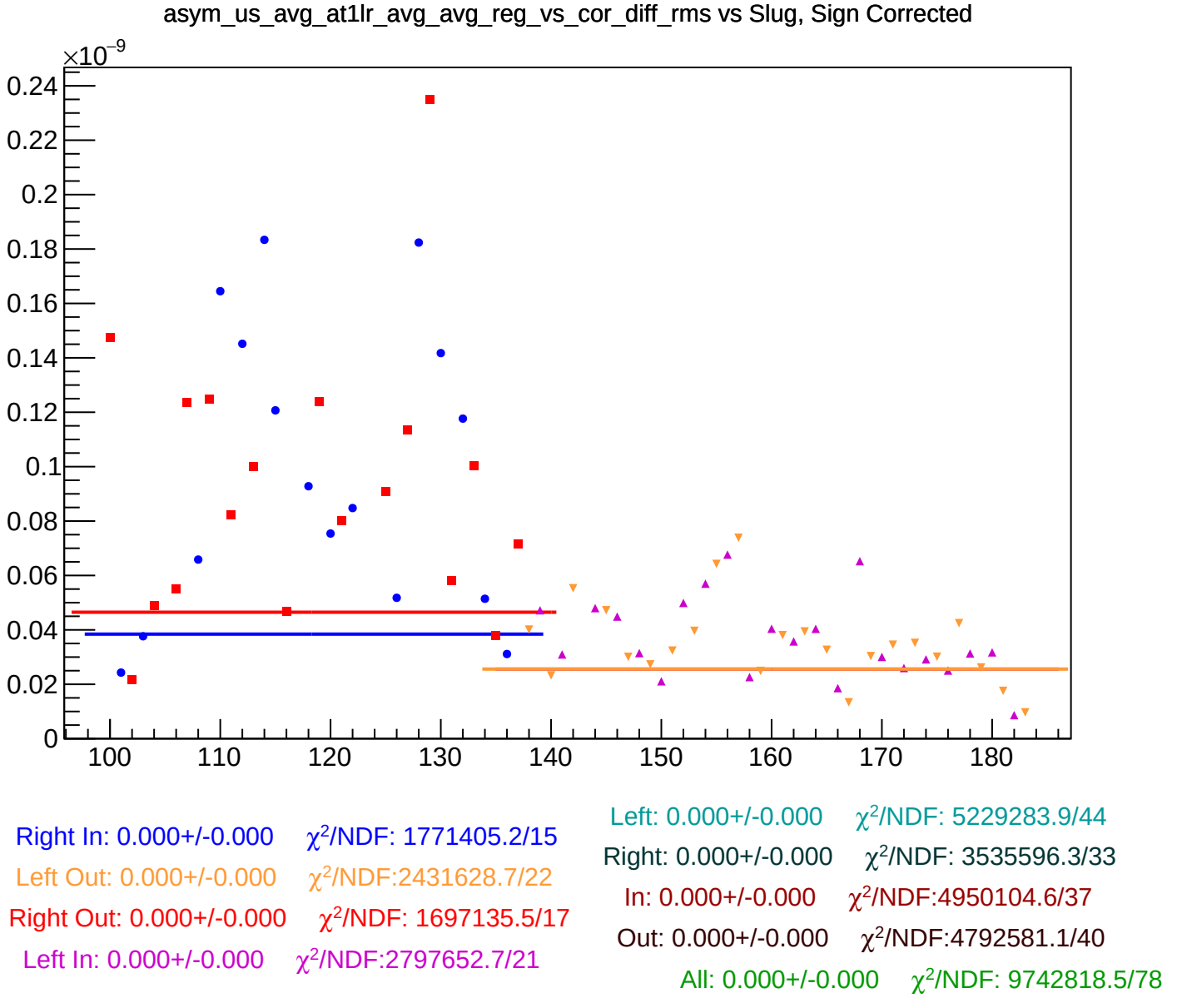
Left: -0.000+/-0.000 χ^2/NDF: 43.7/44

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

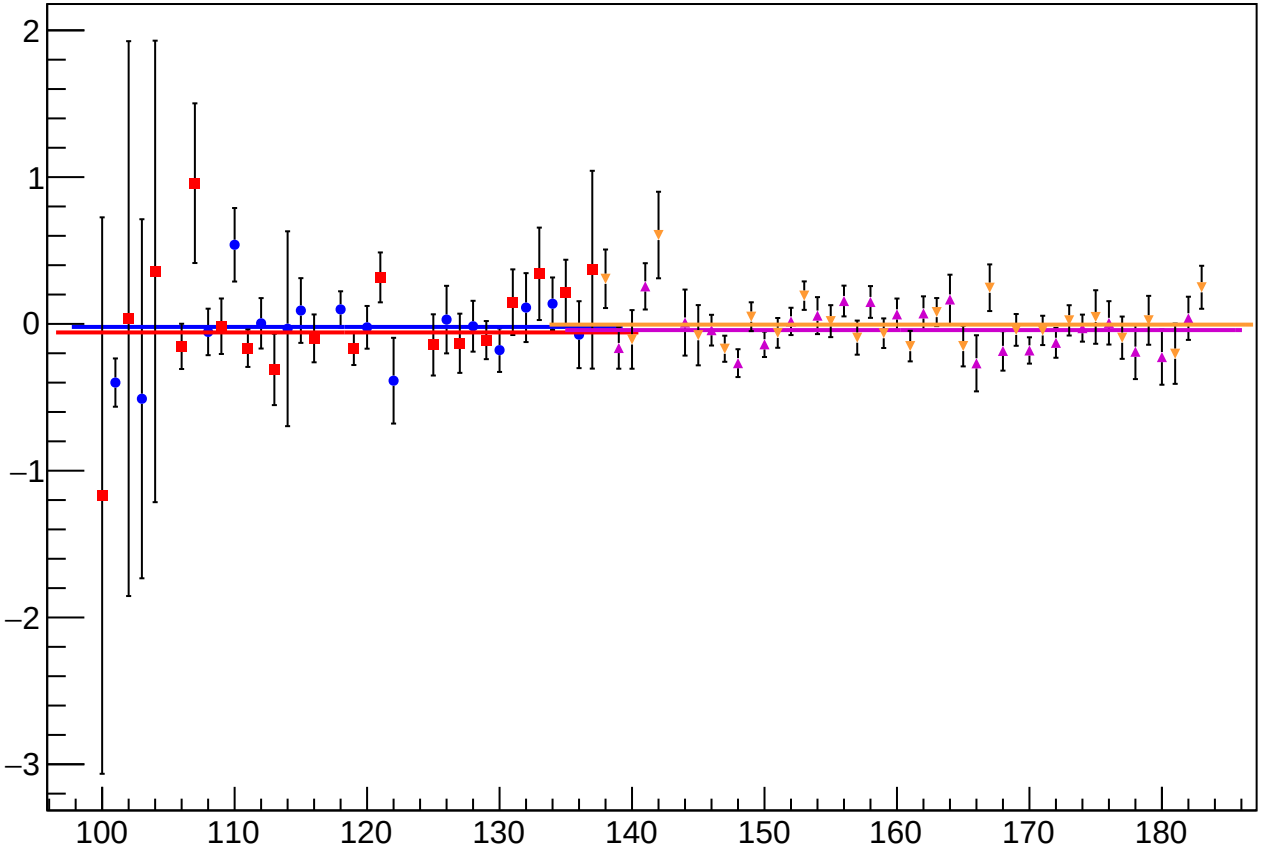
In: -0.000+/-0.000 χ^2/NDF:36.8/37

Out: -0.000+/-0.000 χ^2/NDF:33.3/40

All: -0.000+/-0.000 χ^2/NDF: 70.2/78


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2431628.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:2797652.7/21
Left: 0.000+/-0.000 χ²/NDF: 5229283.9/44
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:4950104.6/37
Out: 0.000+/-0.000 χ²/NDF:4792581.1/40
All: 0.000+/-0.000 χ²/NDF: 9742818.5/78

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: -0.005+/-0.026 χ^2/NDF:27.4/22

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: -0.024+/-0.018 χ^2/NDF: 58.6/44

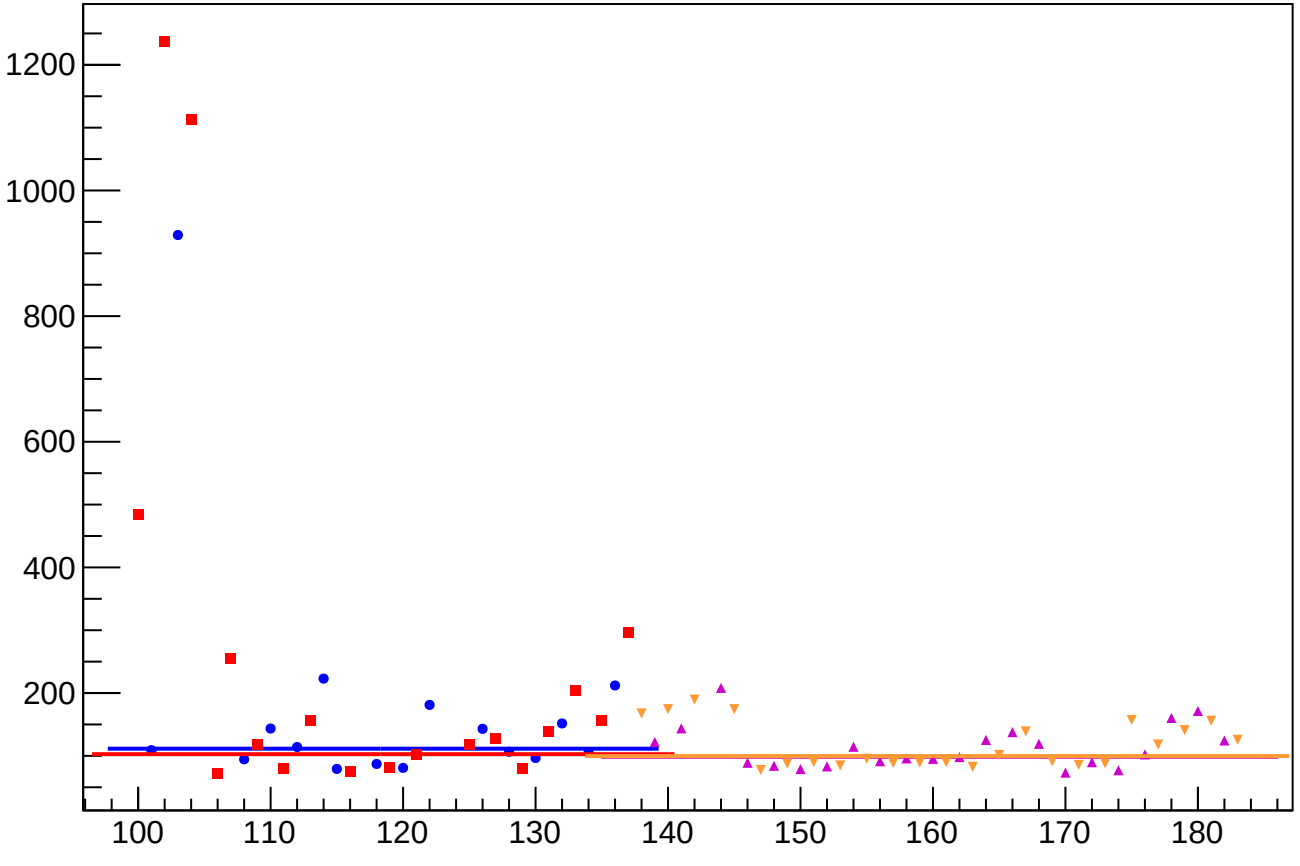
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.037+/-0.022 χ^2/NDF:45.9/37

Out: -0.017+/-0.022 χ^2/NDF:45.3/40

All: -0.027+/-0.016 χ^2/NDF: 91.6/78

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: 99.622+/-0.018 χ^2/NDF:2070799.2/22

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 98.577+/-0.018 χ^2/NDF:2001759.5/21

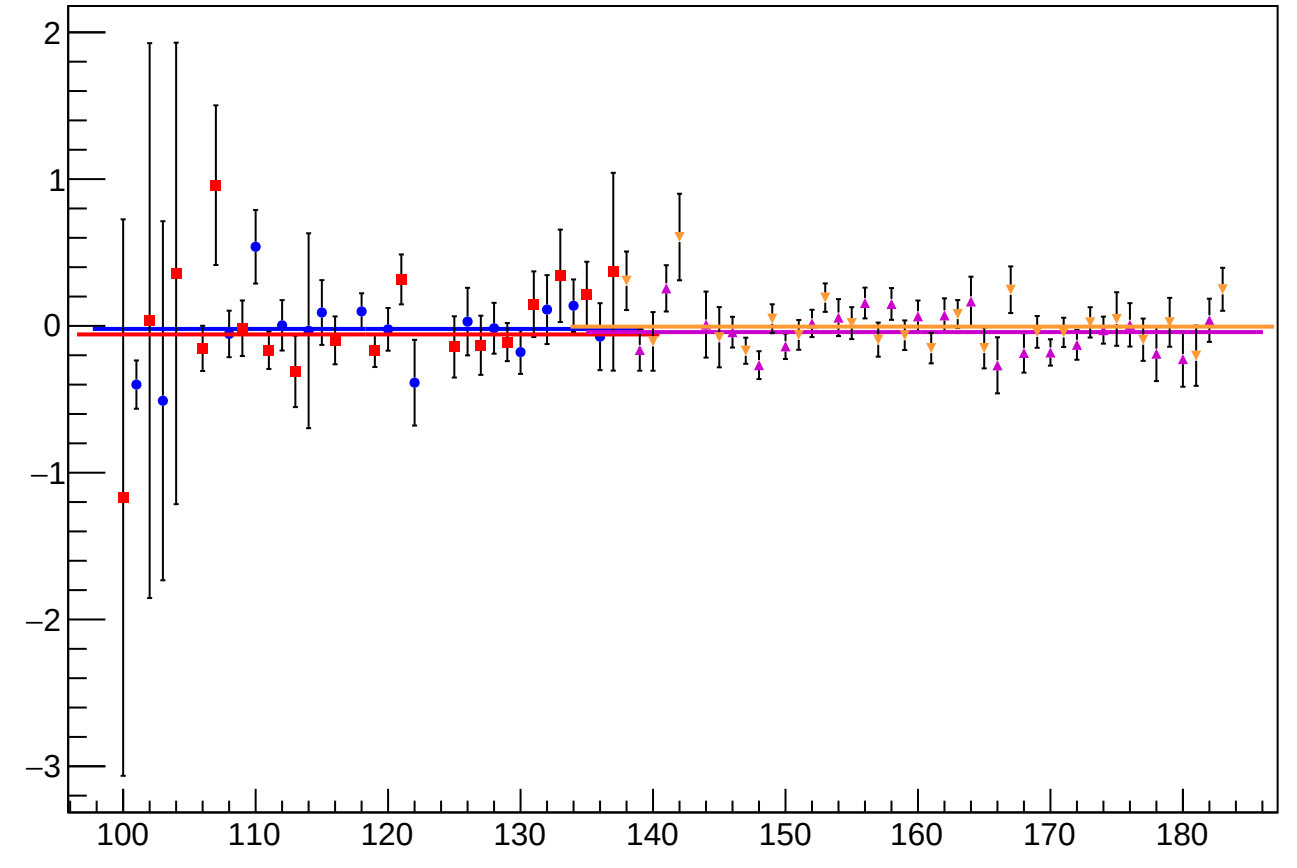
Left: 99.094+/-0.013 χ^2/NDF: 4074249.5/44

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.395+/-0.016 χ^2/NDF:3954360.6/37

Out: 100.331+/-0.016 χ^2/NDF:4904289.6/40

All: 100.864+/-0.011 χ^2/NDF: 8860919.6/78



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.005+/-0.026 χ^2/NDF:27.4/22

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.042+/-0.025 χ^2/NDF:30.1/21

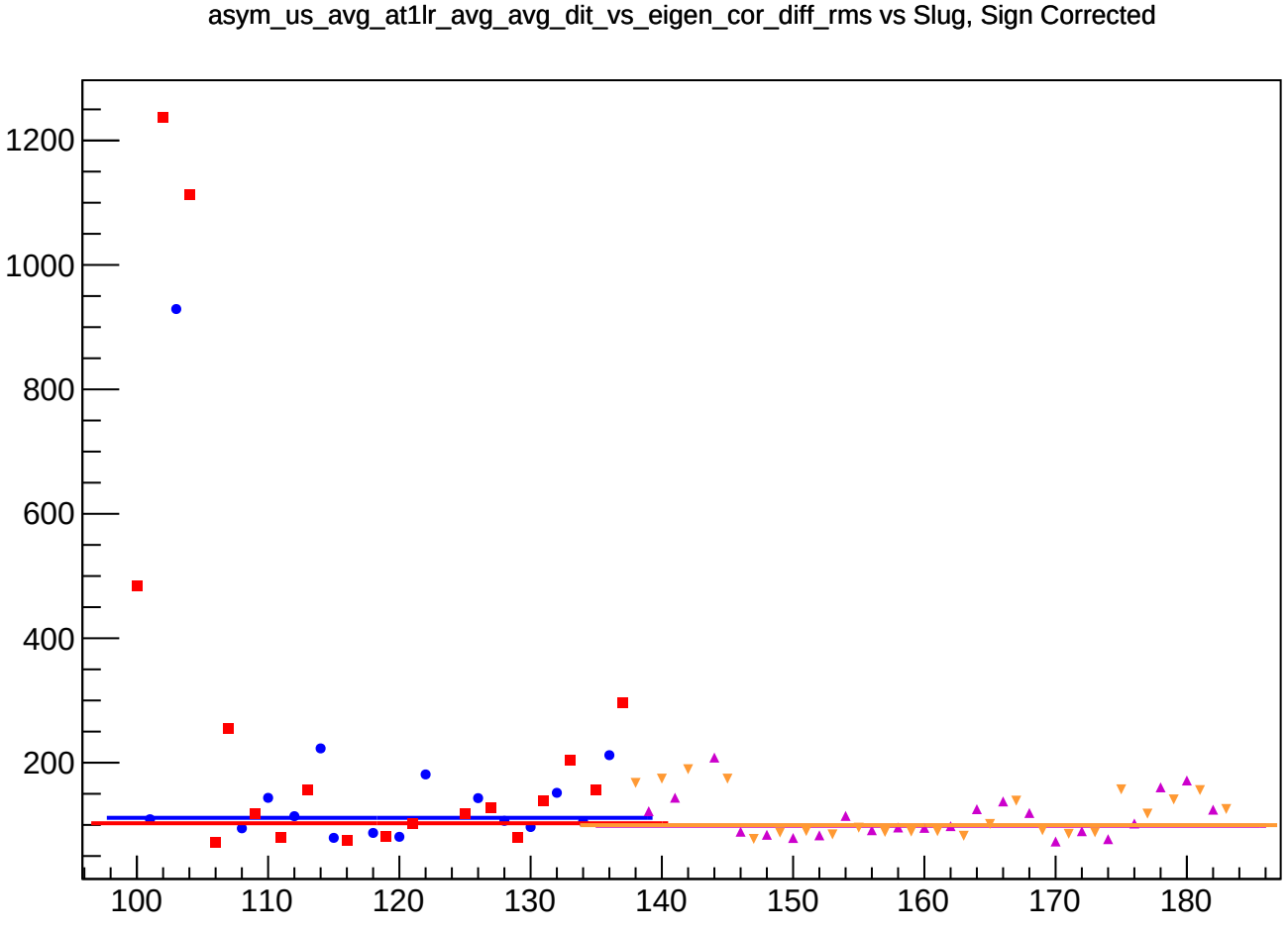
Left: -0.024+/-0.018 χ^2/NDF: 58.6/44

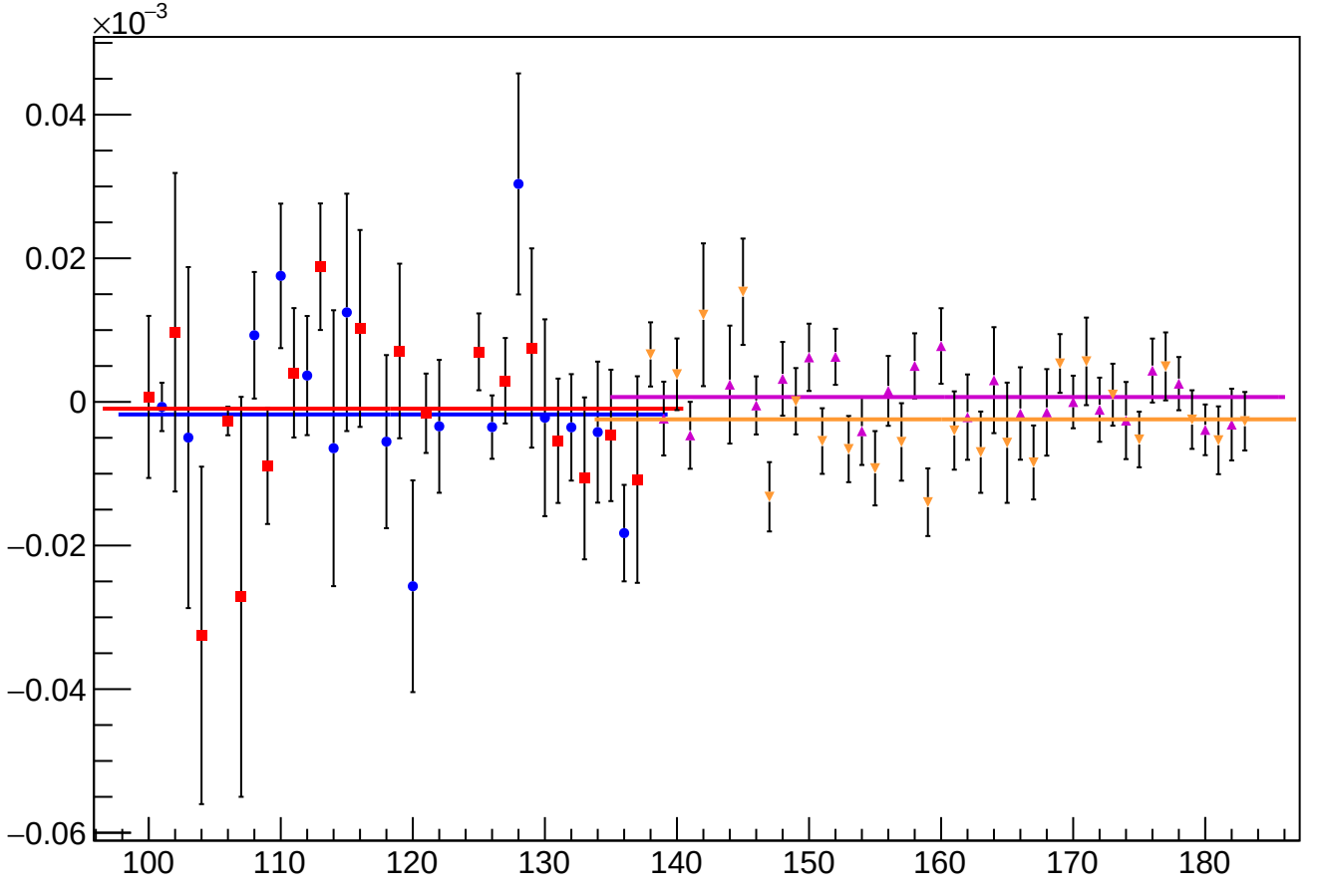
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.037+/-0.022 χ^2/NDF:45.9/37

Out: -0.017+/-0.022 χ^2/NDF:45.3/40

All: -0.027+/-0.016 χ^2/NDF: 91.6/78


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 99.622+/-0.018 χ²/NDF:2070799.2/22
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 98.577+/-0.018 χ²/NDF:2001759.5/21
Left: 99.094+/-0.013 χ²/NDF: 4074249.5/44
Right: 106.926+/-0.024 χ²/NDF: 4700716.0/33
In: 101.395+/-0.016 χ²/NDF:3954360.6/37
Out: 100.331+/-0.016 χ²/NDF:4904289.6/40
All: 100.864+/-0.011 χ²/NDF: 8860919.6/78



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.8/22

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: 58.1/44

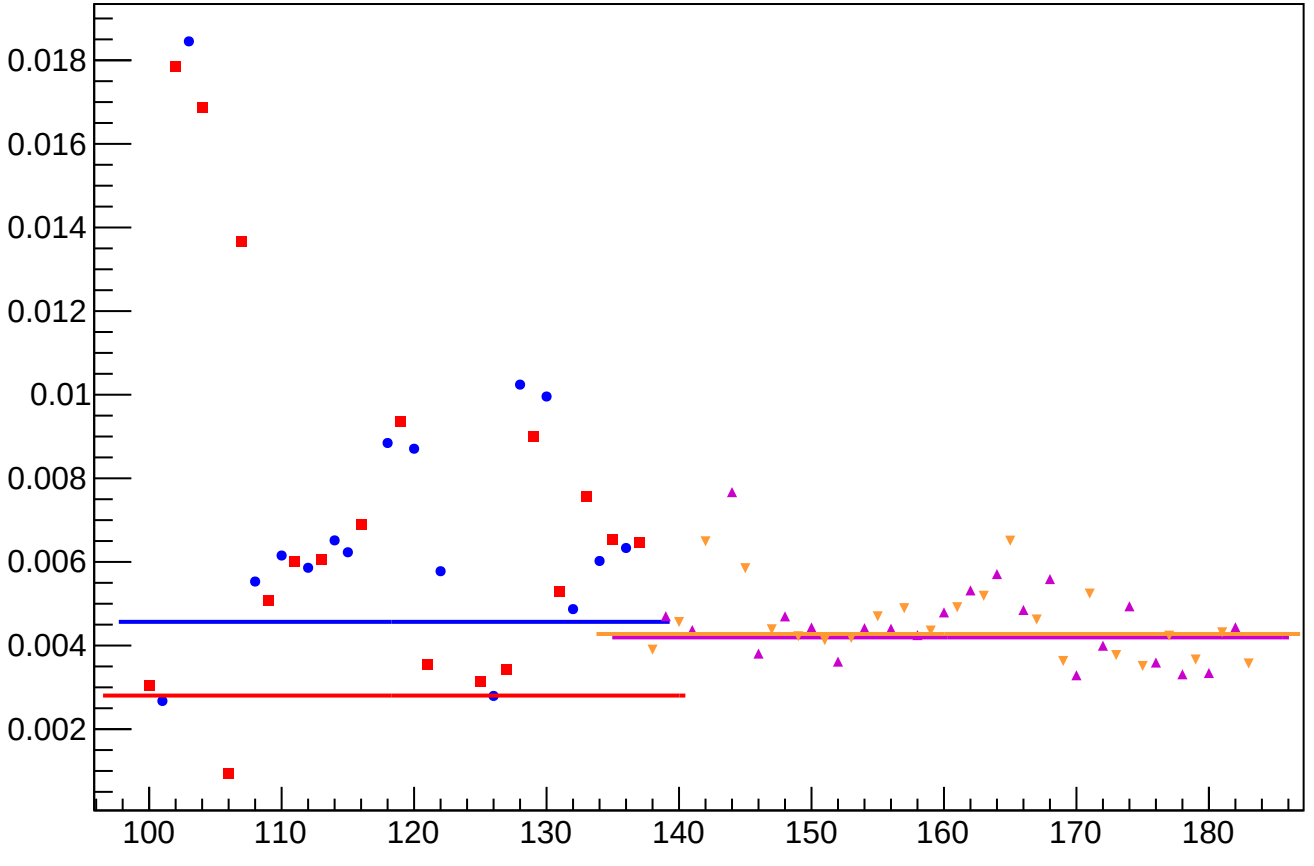
Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:34.9/37

Out: -0.000+/-0.000 χ^2/NDF:56.2/40

All: -0.000+/-0.000 χ^2/NDF: 94.0/78

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:796256.5/22

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: 2023923.0/44

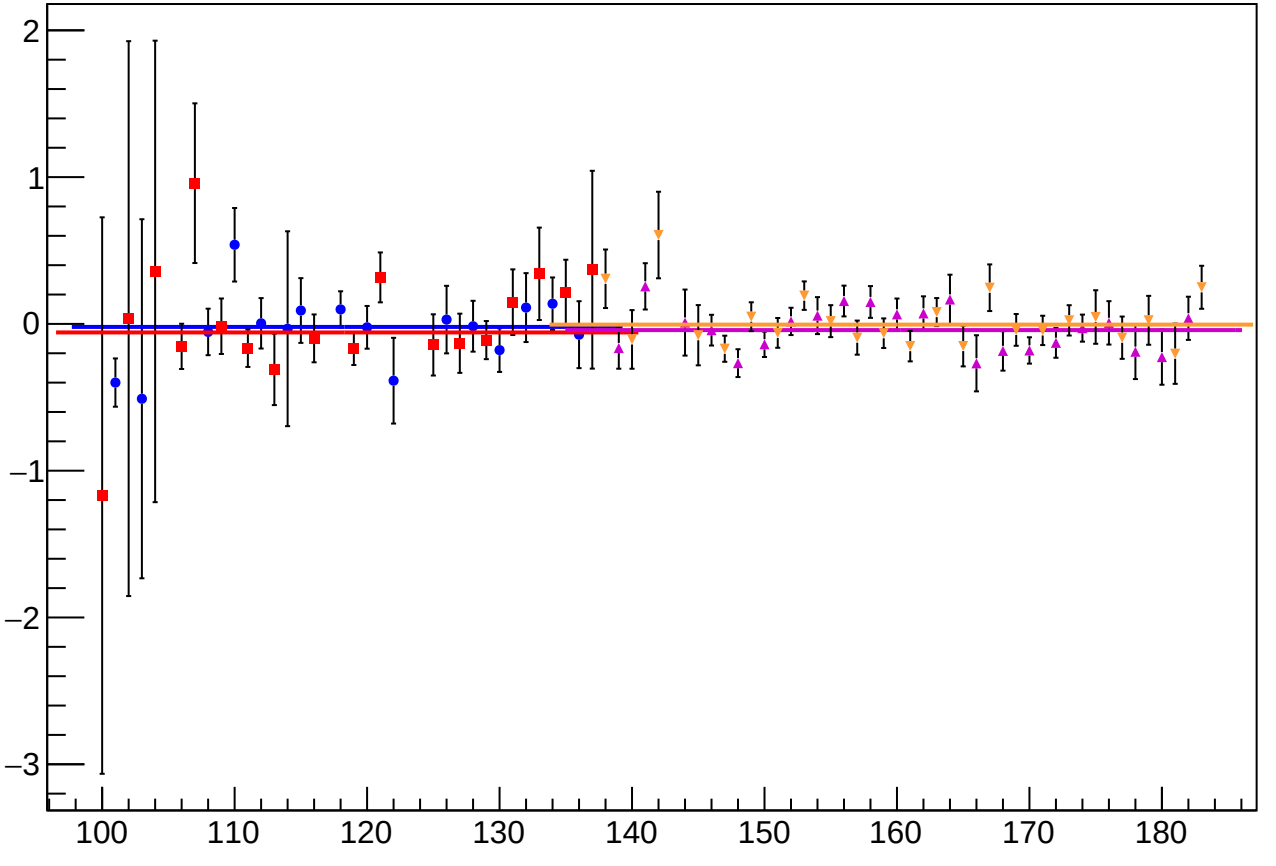
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:4291913.1/37

Out: 0.004+/-0.000 χ^2/NDF:8748400.4/40

All: 0.004+/-0.000 χ^2/NDF: 13340220.0/78

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: -0.005+/-0.026 χ^2/NDF:27.4/22

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: -0.024+/-0.018 χ^2/NDF: 58.6/44

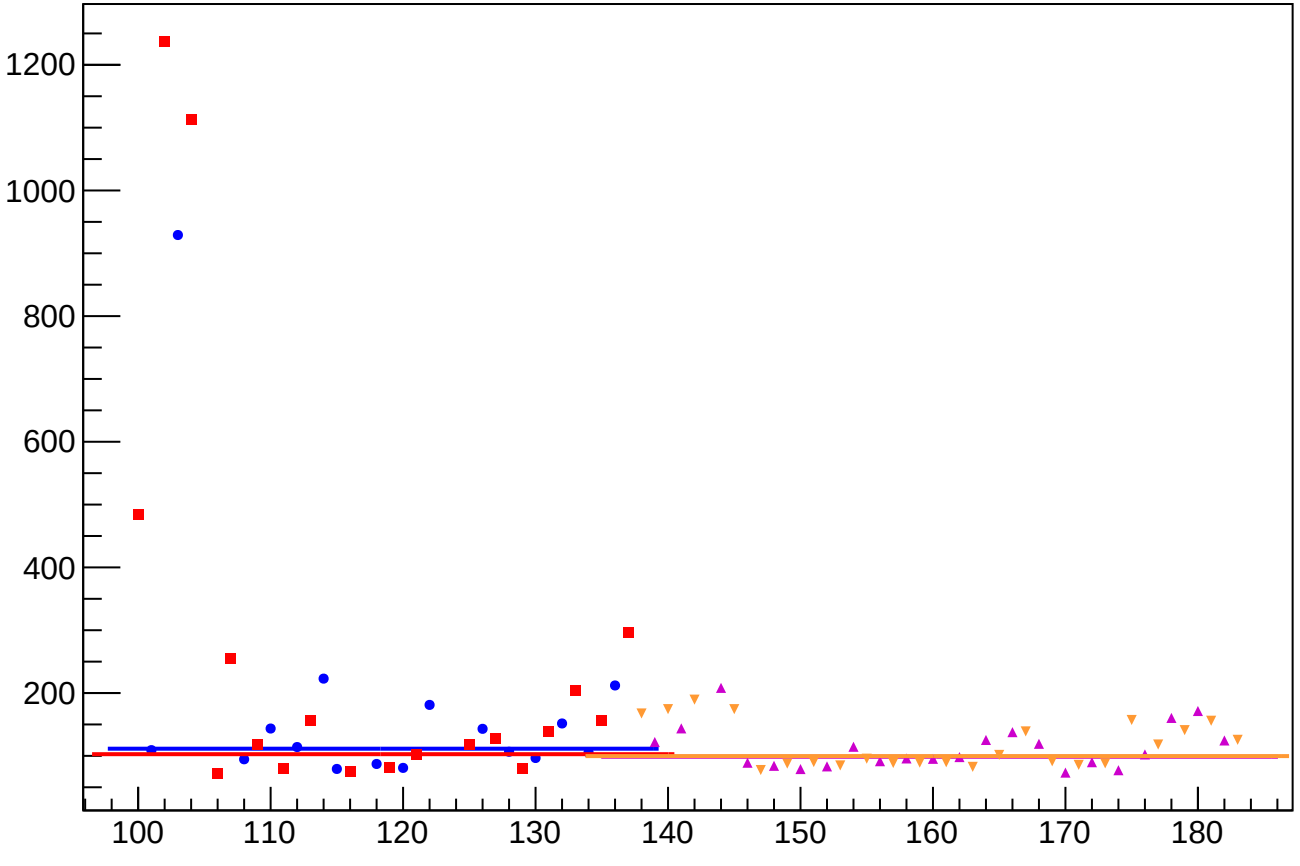
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.037+/-0.022 χ^2/NDF:45.9/37

Out: -0.017+/-0.022 χ^2/NDF:45.3/40

All: -0.027+/-0.016 χ^2/NDF: 91.6/78

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: 99.622+/-0.018 χ^2/NDF:2070764.7/22

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: 99.094+/-0.013 χ^2/NDF: 4074184.4/44

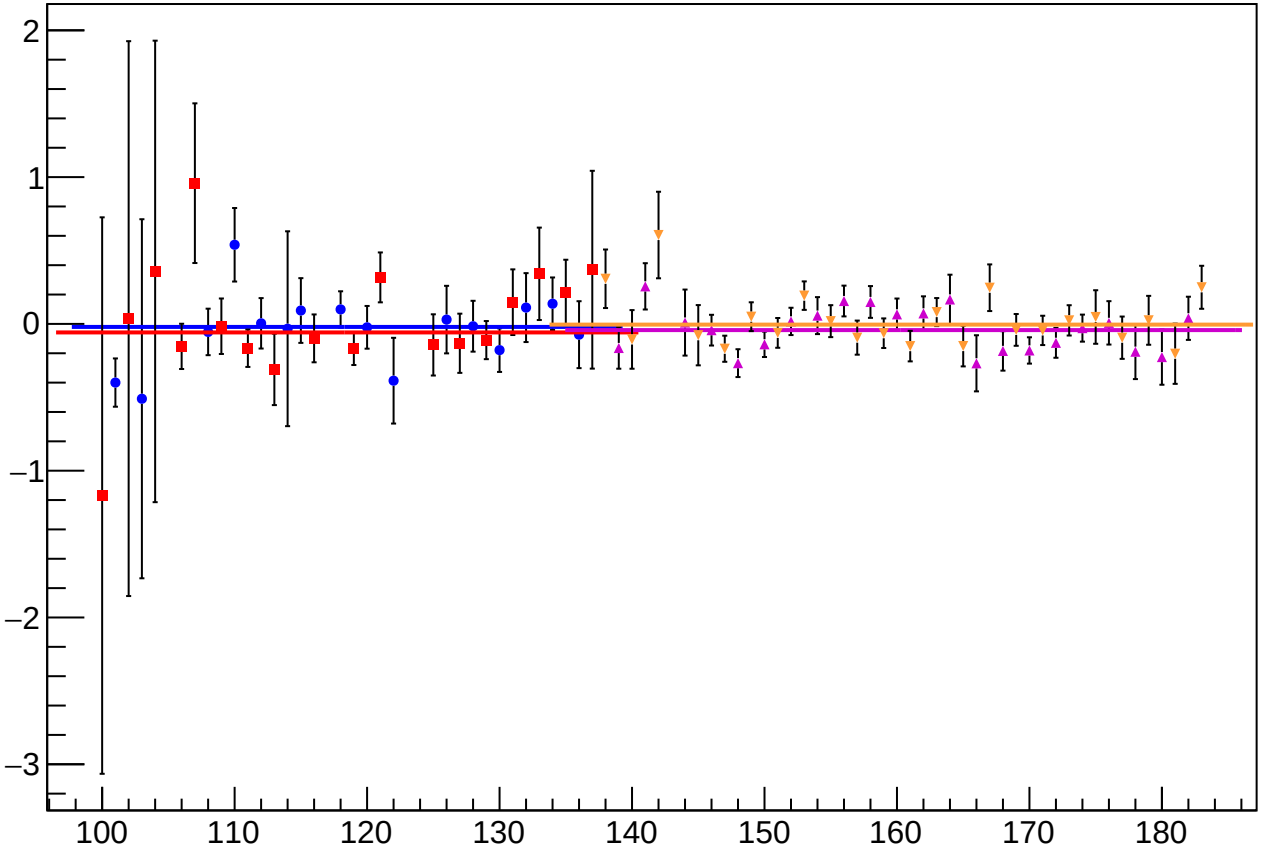
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.395+/-0.016 χ^2/NDF:3954323.1/37

Out: 100.331+/-0.016 χ^2/NDF:4904240.7/40

All: 100.864+/-0.011 χ^2/NDF: 8860831.8/78

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: -0.005+/-0.026 χ^2/NDF:27.4/22

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: -0.024+/-0.018 χ^2/NDF: 58.6/44

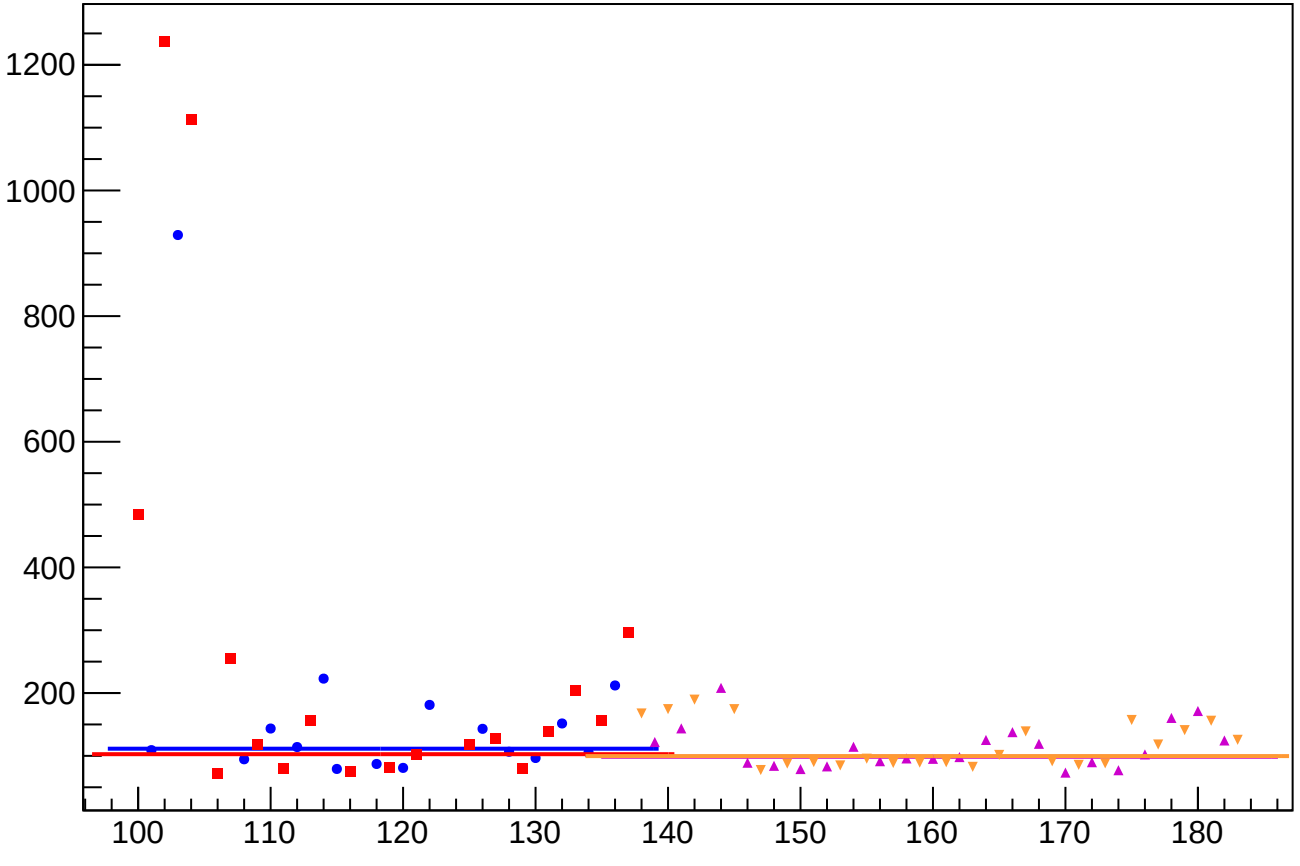
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.037+/-0.022 χ^2/NDF:45.9/37

Out: -0.017+/-0.022 χ^2/NDF:45.3/40

All: -0.027+/-0.016 χ^2/NDF: 91.6/78

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: 99.622+/-0.018 χ^2/NDF:2070764.7/22

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: 99.094+/-0.013 χ^2/NDF: 4074184.4/44

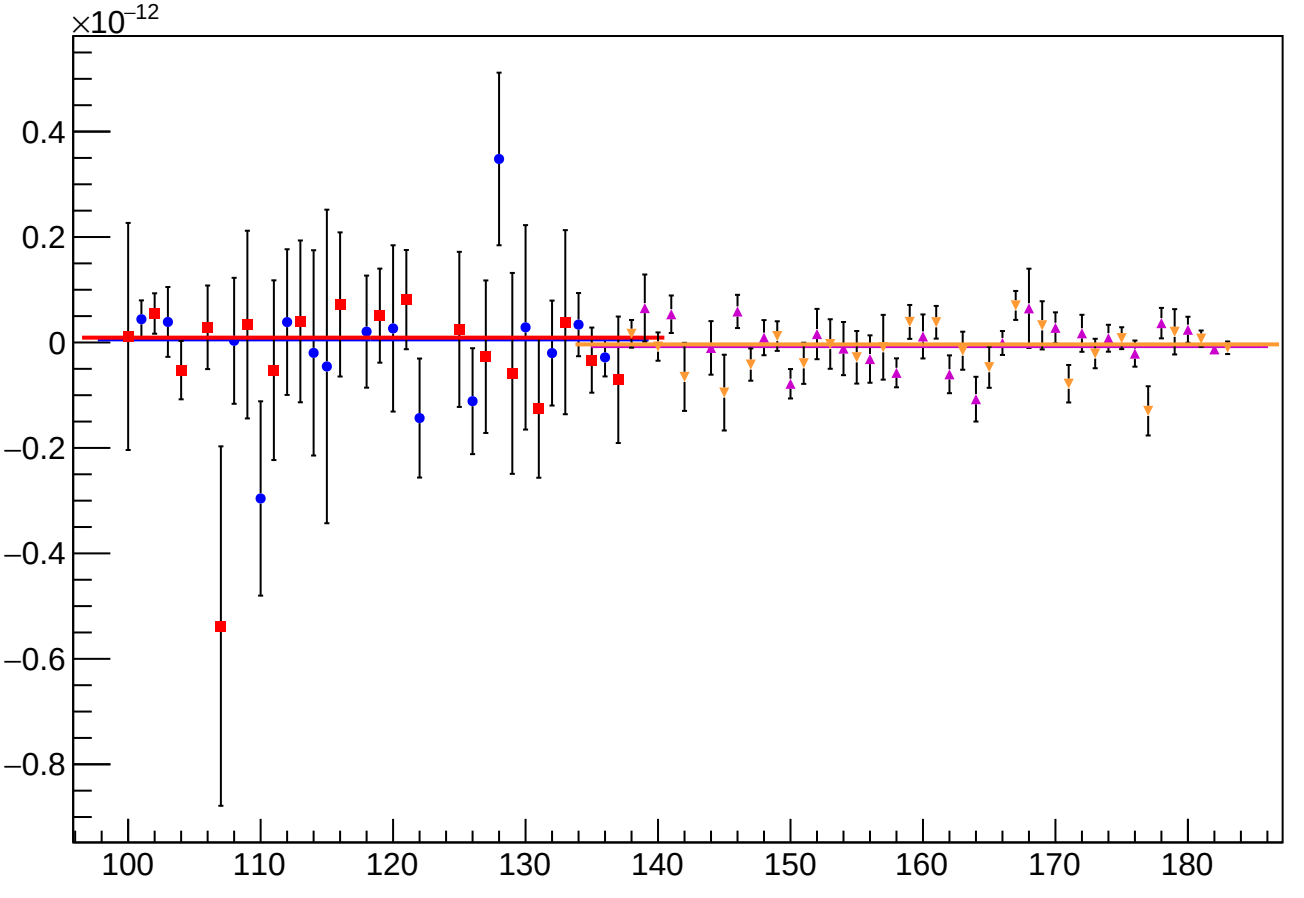
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.395+/-0.016 χ^2/NDF:3954323.1/37

Out: 100.331+/-0.016 χ^2/NDF:4904240.7/40

All: 100.864+/-0.011 χ^2/NDF: 8860831.8/78

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:35.2/21

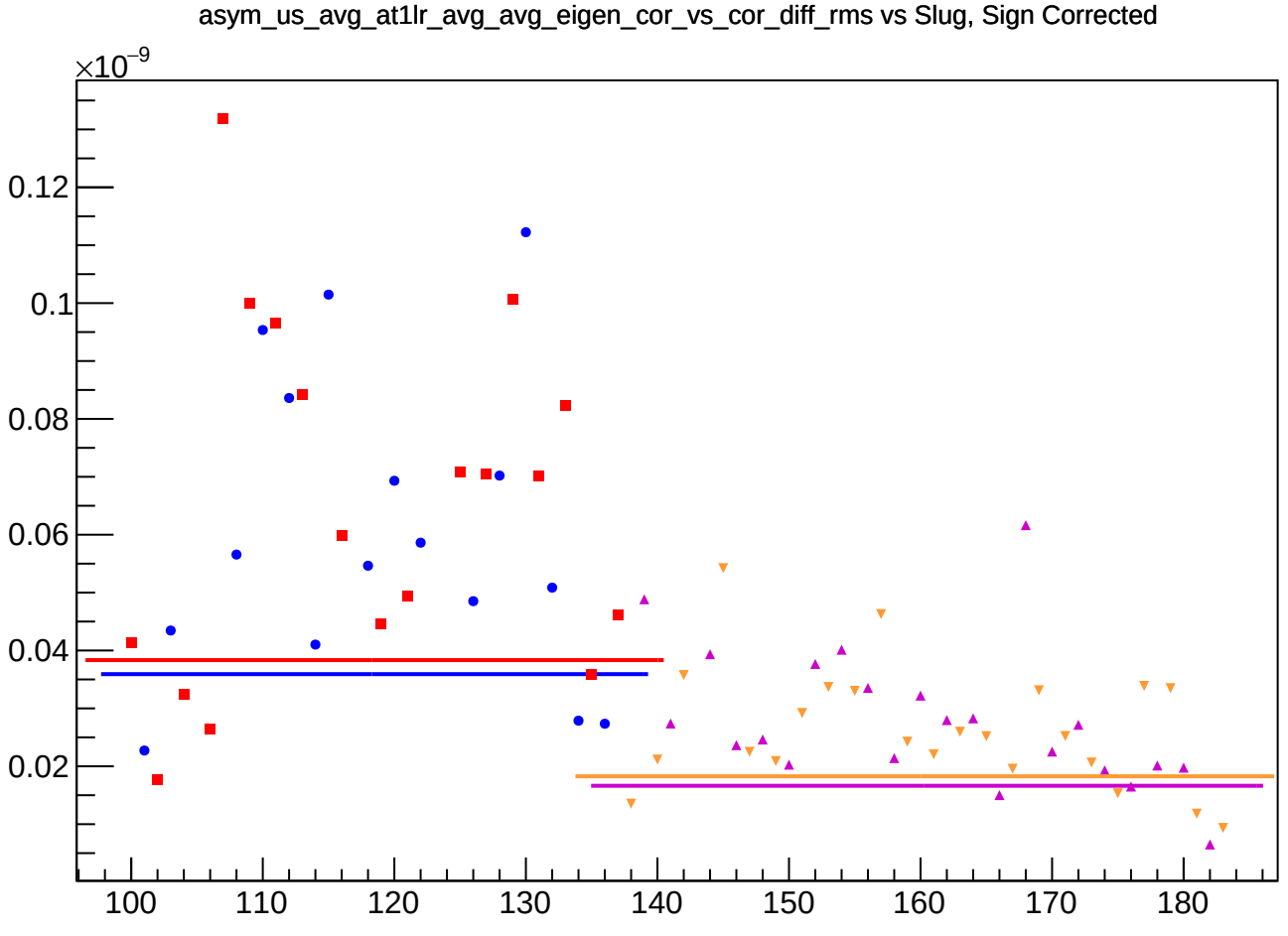
Left: -0.000+/-0.000 χ^2/NDF: 67.7/44

Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

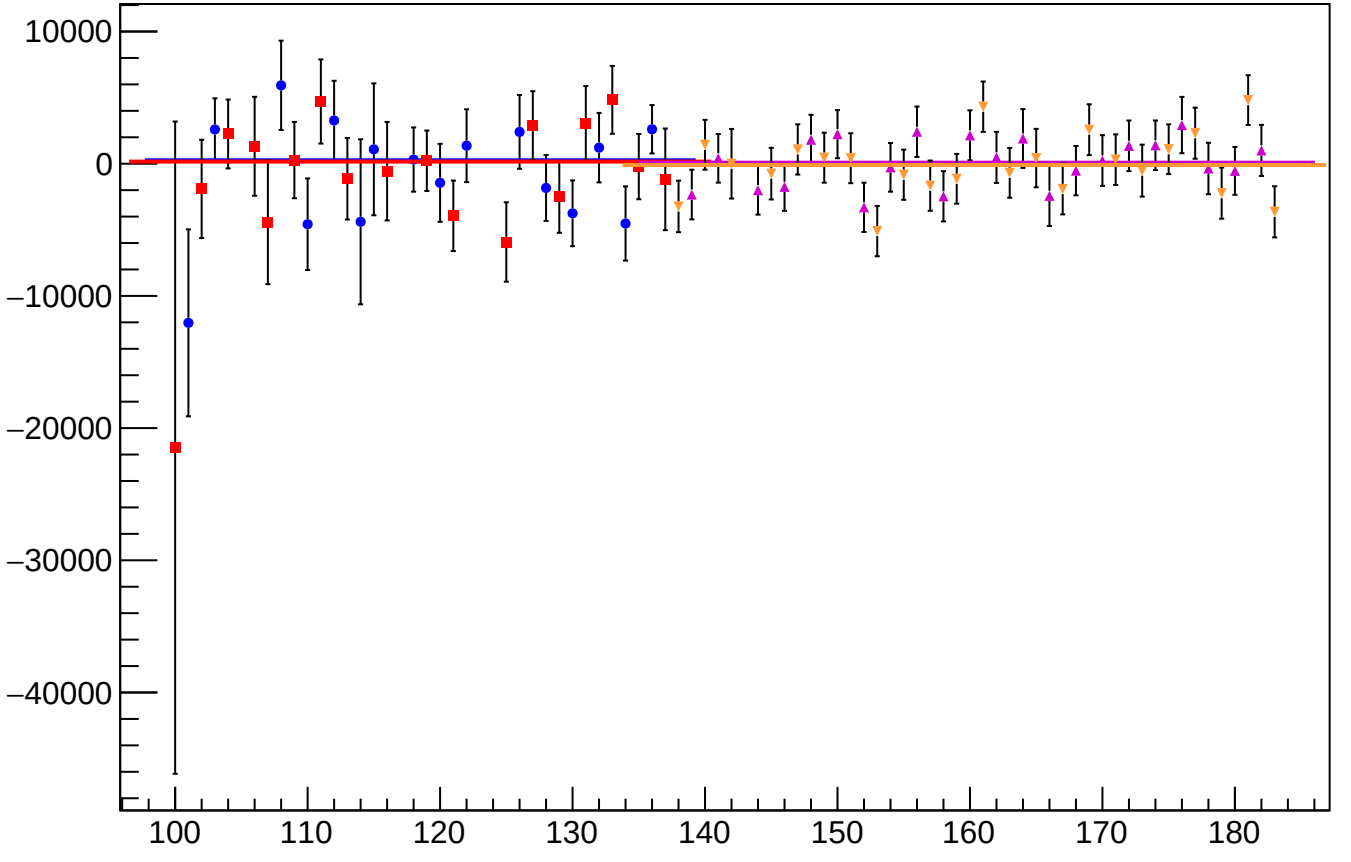
In: -0.000+/-0.000 χ^2/NDF:48.5/37

Out: -0.000+/-0.000 χ^2/NDF:41.4/40

All: -0.000+/-0.000 χ^2/NDF: 90.0/78


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:4298271.2/22
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:6952734.9/21
Left: 0.000+/-0.000 χ²/NDF: 11333556.9/44
Right: 0.000+/-0.000 χ²/NDF: 3975413.5/33
In: 0.000+/-0.000 χ²/NDF:10577205.1/37
Out: 0.000+/-0.000 χ²/NDF:8107464.1/40
All: 0.000+/-0.000 χ²/NDF: 18761637.5/78

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -98.230+/-404.856 χ^2/NDF:33.6/22

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: 77.621+/-408.076 χ^2/NDF:19.2/21

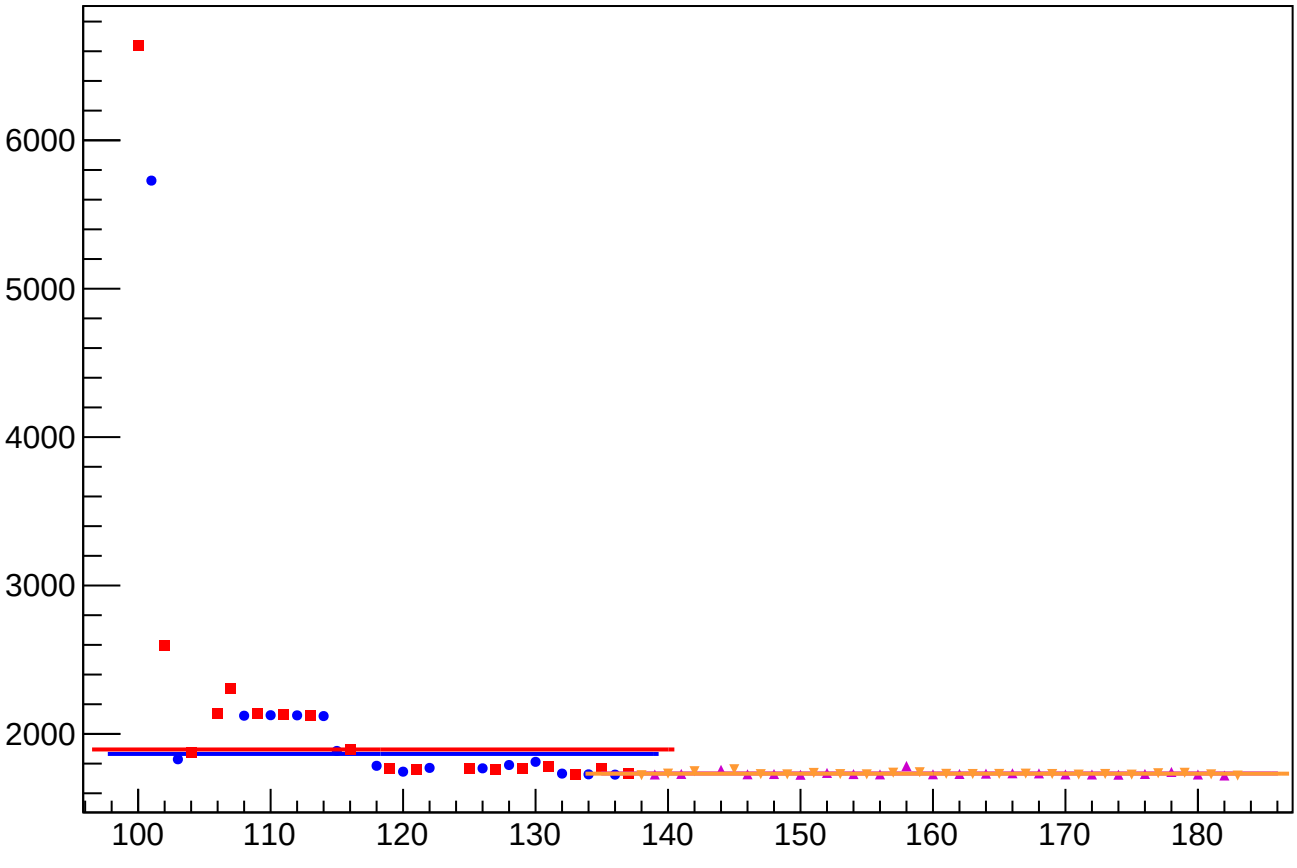
Left: -11.001+/-287.408 χ^2/NDF: 52.9/44

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: 122.813+/-353.764 χ^2/NDF:38.6/37

Out: -35.343+/-351.977 χ^2/NDF:51.8/40

All: 43.335+/-249.515 χ^2/NDF: 90.6/78



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.188+/-0.286 χ^2/NDF:902.0/22

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1733.522+/-0.289 χ^2/NDF:2199.1/21

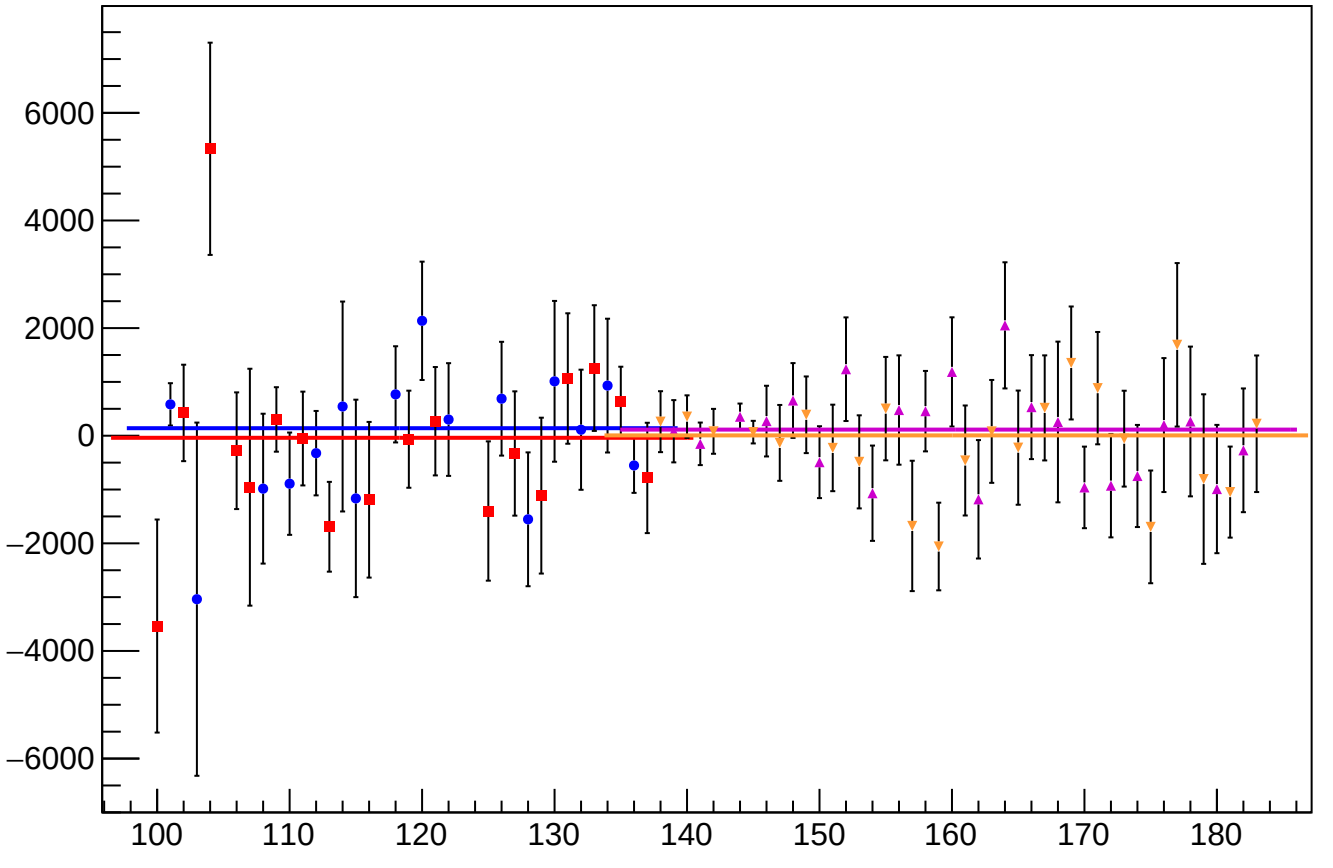
Left: 1732.850+/-0.203 χ^2/NDF: 3112.0/44

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1766.233+/-0.250 χ^2/NDF:726643.2/37

Out: 1772.002+/-0.249 χ^2/NDF:330925.9/40

All: 1769.132+/-0.176 χ^2/NDF: 1057836.4/78



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 6.028+/-130.277 χ^2/NDF:19.1/22

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: 54.553+/-96.537 χ^2/NDF: 36.2/44

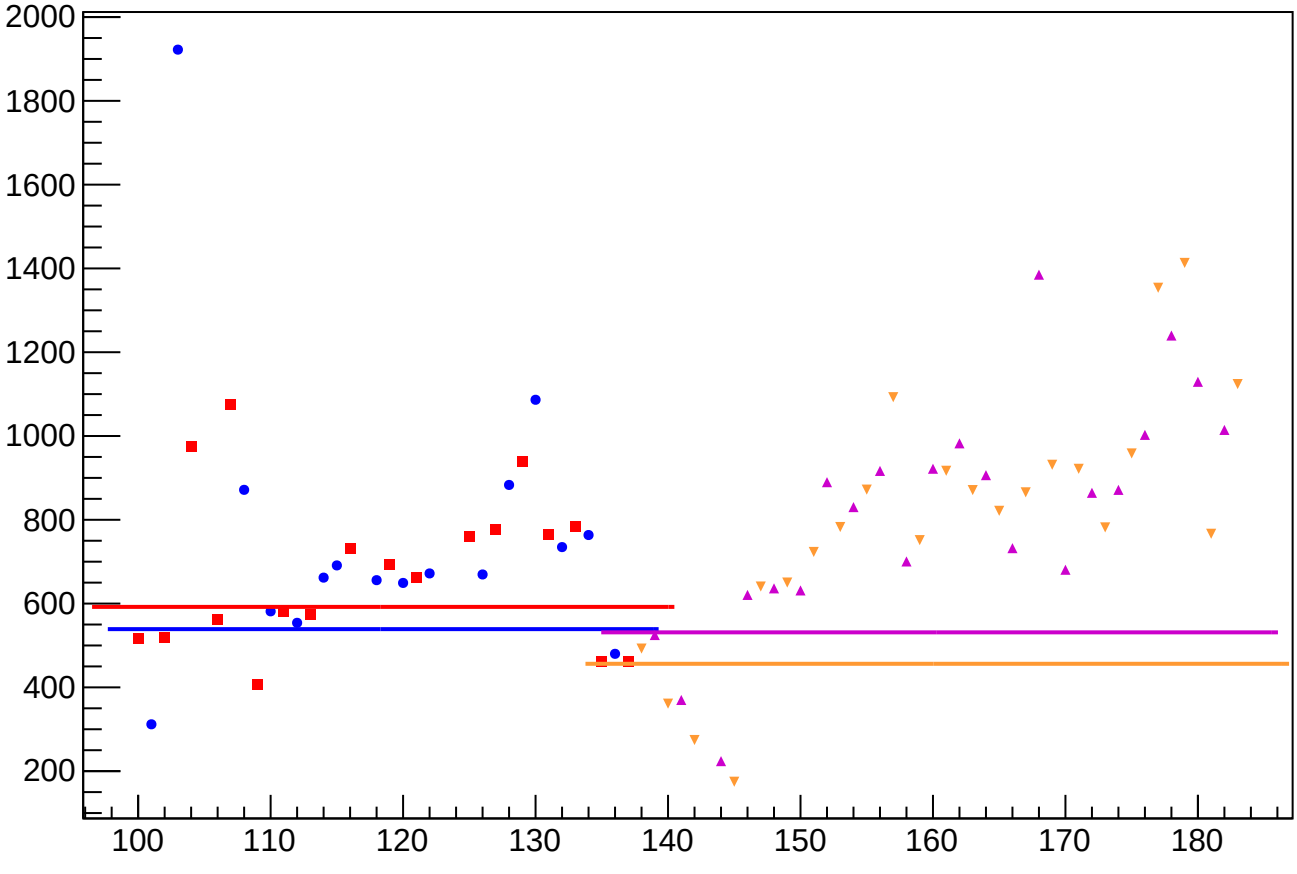
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 121.468+/-120.365 χ^2/NDF:30.3/37

Out: -4.250+/-114.305 χ^2/NDF:40.5/40

All: 55.364+/-82.885 χ^2/NDF: 71.3/78

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: 456.269+/-0.092 χ^2/NDF:11244464.4/22

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: 490.106+/-0.068 χ^2/NDF: 19862236.3/44

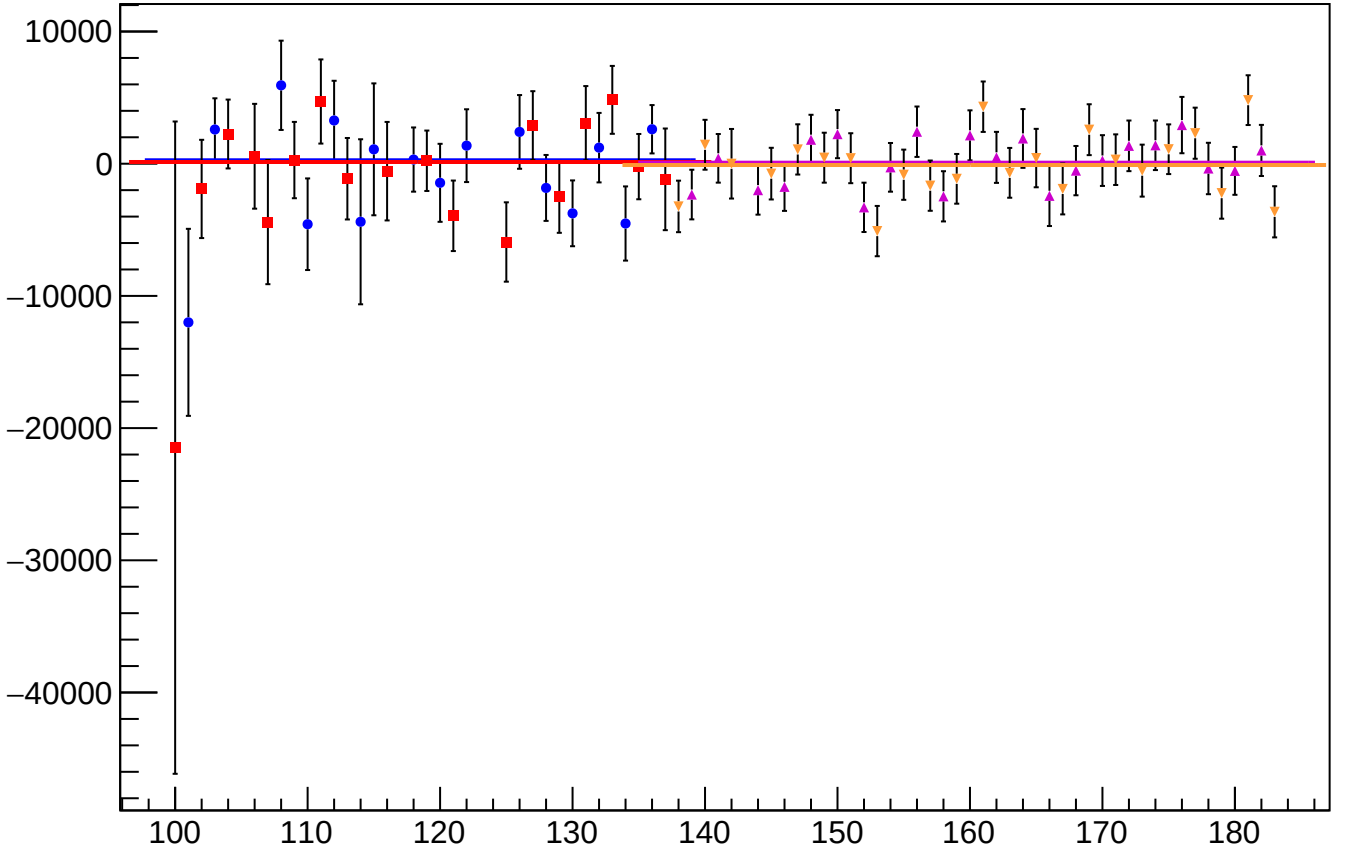
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 533.618+/-0.085 χ^2/NDF:10174822.0/37

Out: 487.533+/-0.081 χ^2/NDF:12587971.4/40

All: 509.386+/-0.059 χ^2/NDF: 22916951.9/78

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -98.174+/-404.856 χ^2/NDF:33.6/22

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 77.560+/-408.076 χ^2/NDF:19.2/21

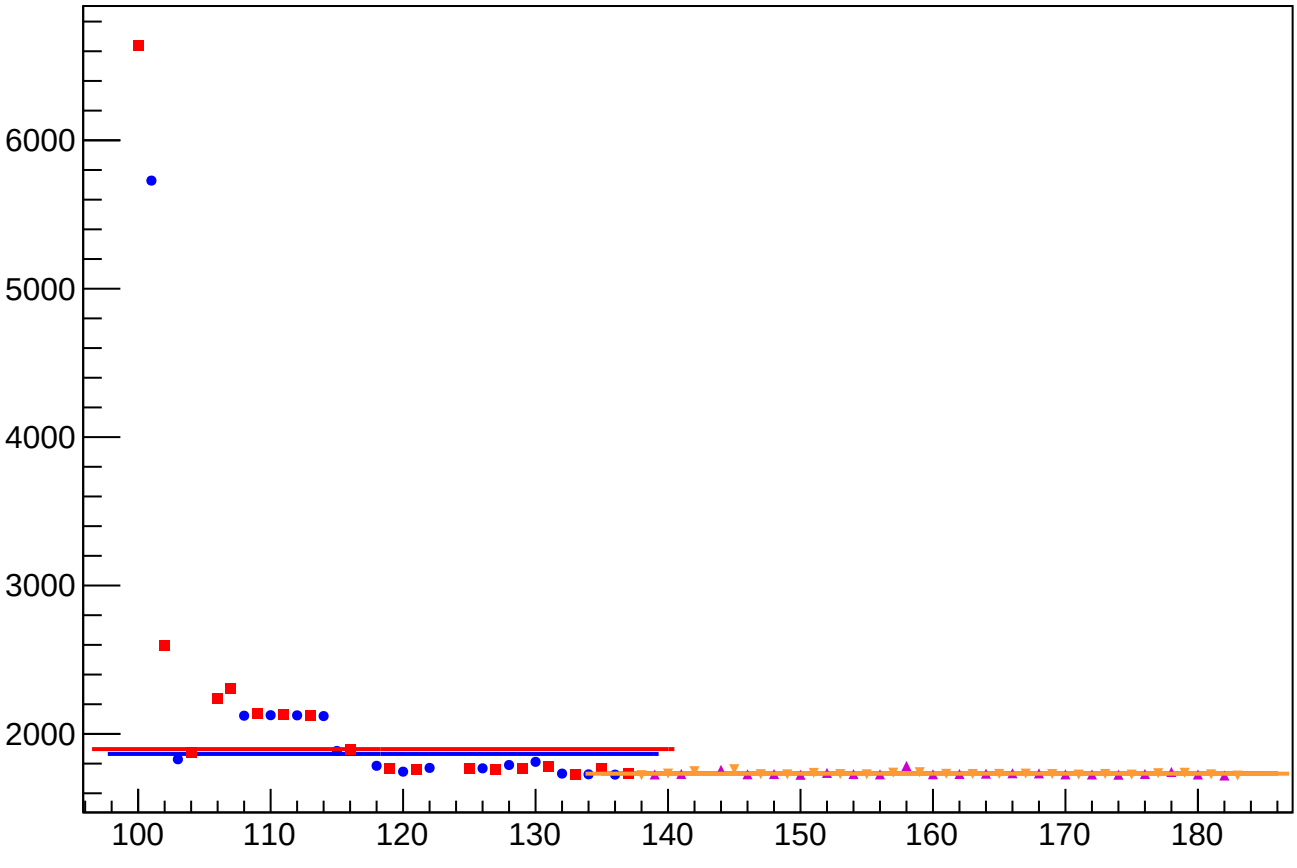
Left: -11.003+/-287.408 χ^2/NDF: 52.9/44

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 122.814+/-353.764 χ^2/NDF:38.6/37

Out: -42.616+/-352.146 χ^2/NDF:51.7/40

All: 39.720+/-249.575 χ^2/NDF: 90.5/78



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.188+/-0.286 χ^2/NDF:902.0/22

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.523+/-0.289 χ^2/NDF:2199.1/21

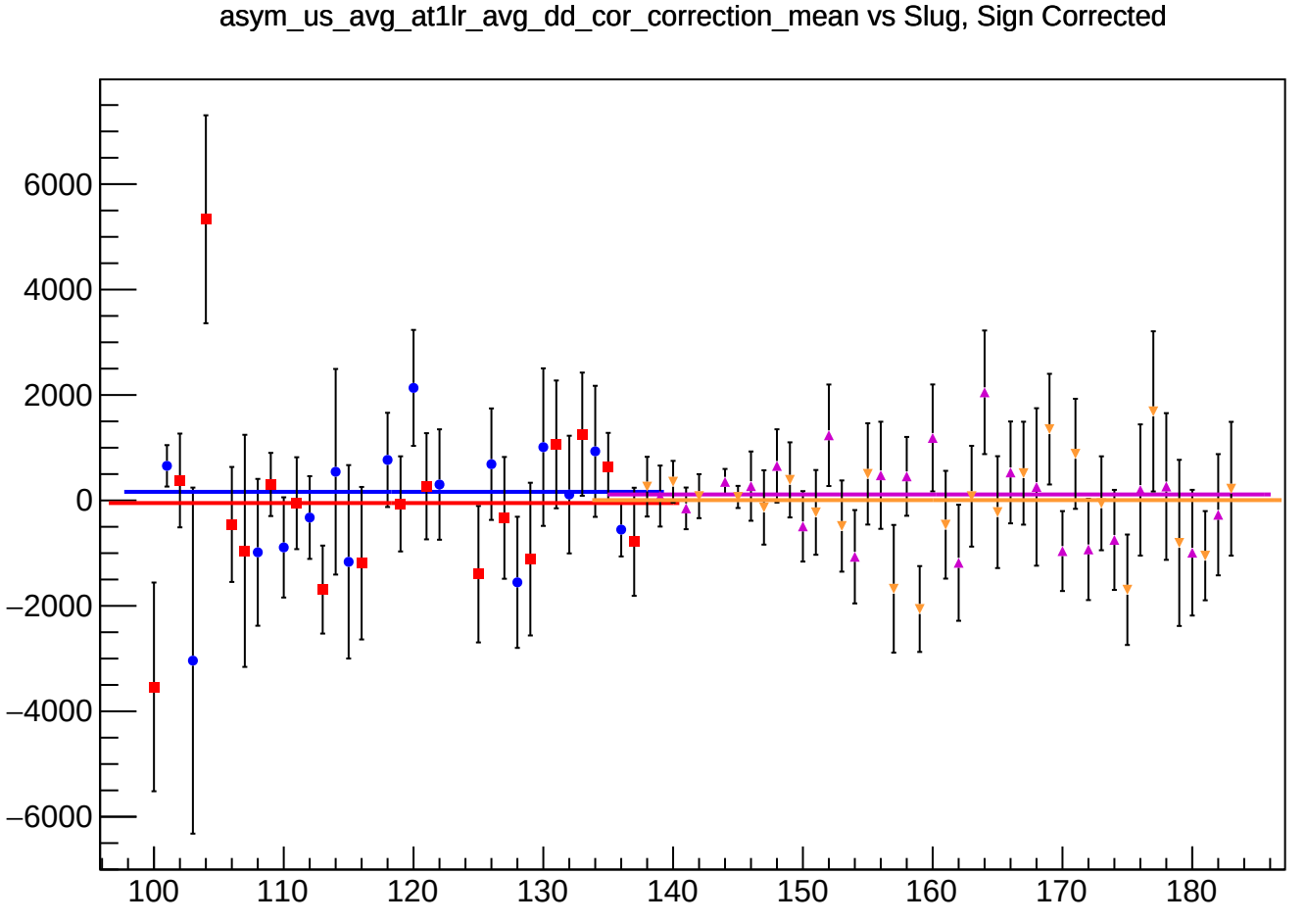
Left: 1732.850+/-0.203 χ^2/NDF: 3111.9/44

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1766.233+/-0.250 χ^2/NDF:726643.0/37

Out: 1772.480+/-0.249 χ^2/NDF:340009.6/40

All: 1769.371+/-0.176 χ^2/NDF: 1066965.9/78



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 5.907+/-130.279 χ^2/NDF:19.1/22

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: 54.475+/-96.538 χ^2/NDF: 36.2/44

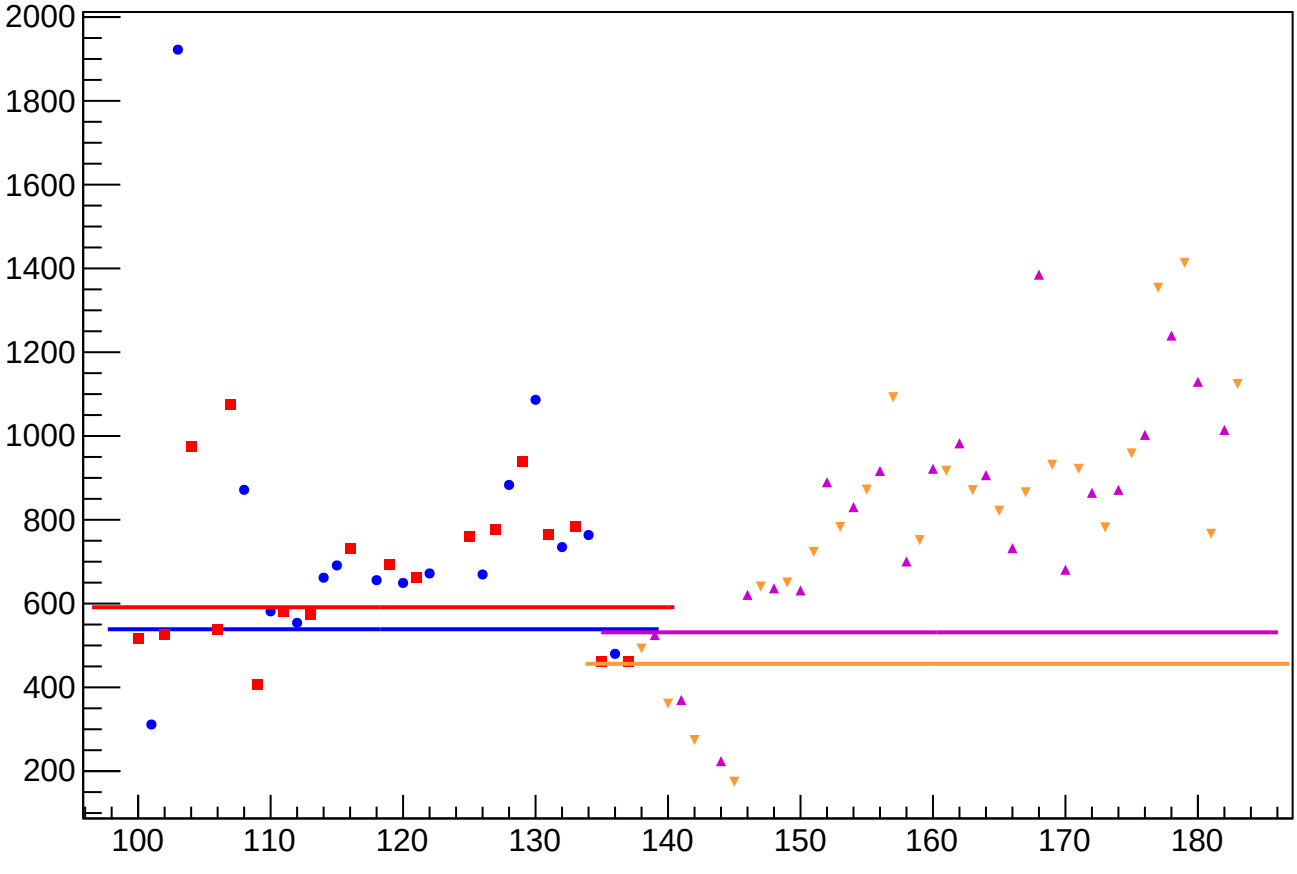
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 128.440+/-120.353 χ^2/NDF:30.7/37

Out: -6.878+/-114.300 χ^2/NDF:40.5/40

All: 57.293+/-82.879 χ^2/NDF: 71.9/78

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: 456.279+/-0.092 χ^2/NDF:11244057.2/22

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 531.322+/-0.102 χ^2/NDF:8318063.8/21

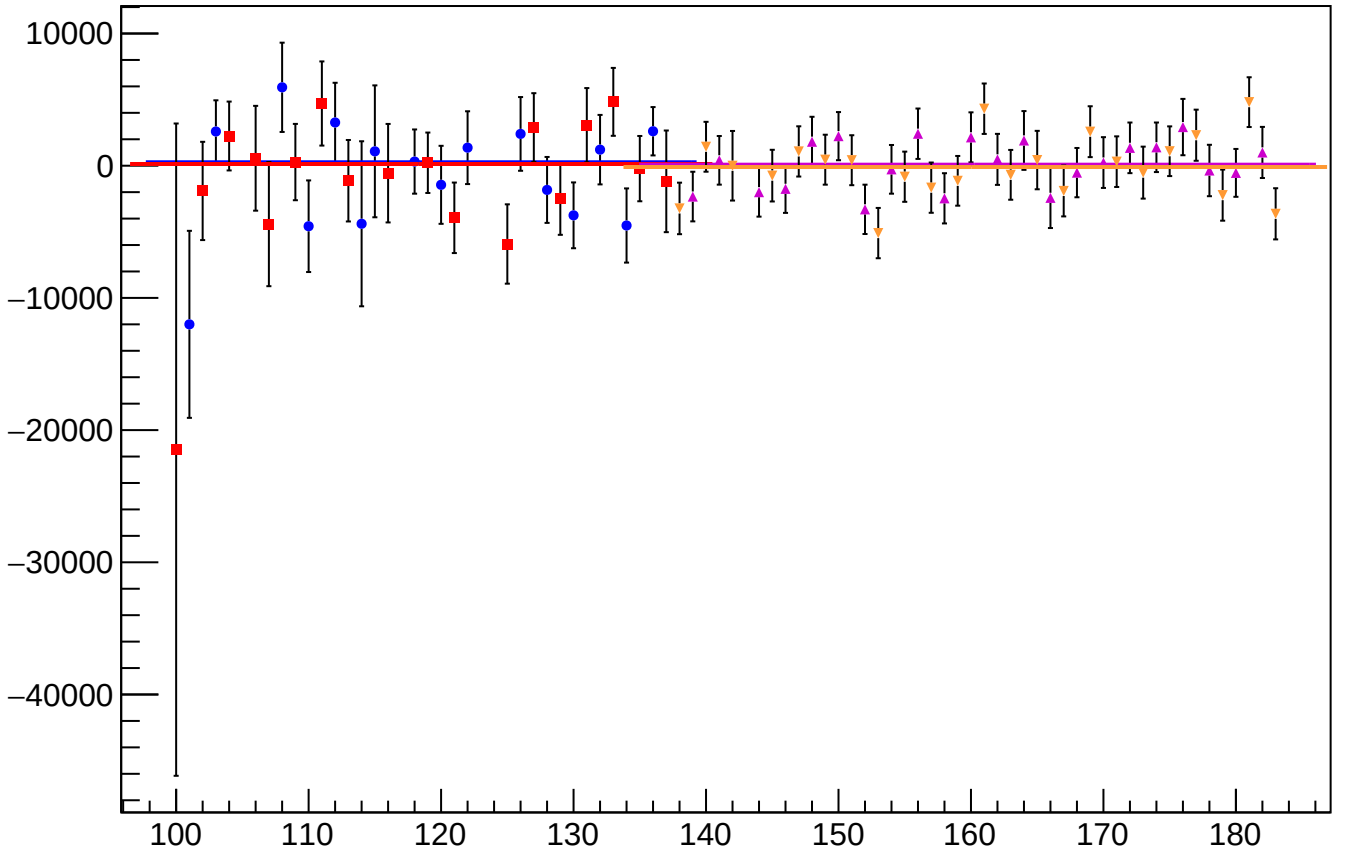
Left: 490.116+/-0.068 χ^2/NDF: 19861339.5/44

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 533.531+/-0.085 χ^2/NDF:10178533.8/37

Out: 487.355+/-0.081 χ^2/NDF:12582820.3/40

All: 509.253+/-0.059 χ^2/NDF: 22916145.5/78



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -98.174+/-404.856 χ^2/NDF:33.6/22

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 77.560+/-408.076 χ^2/NDF:19.2/21

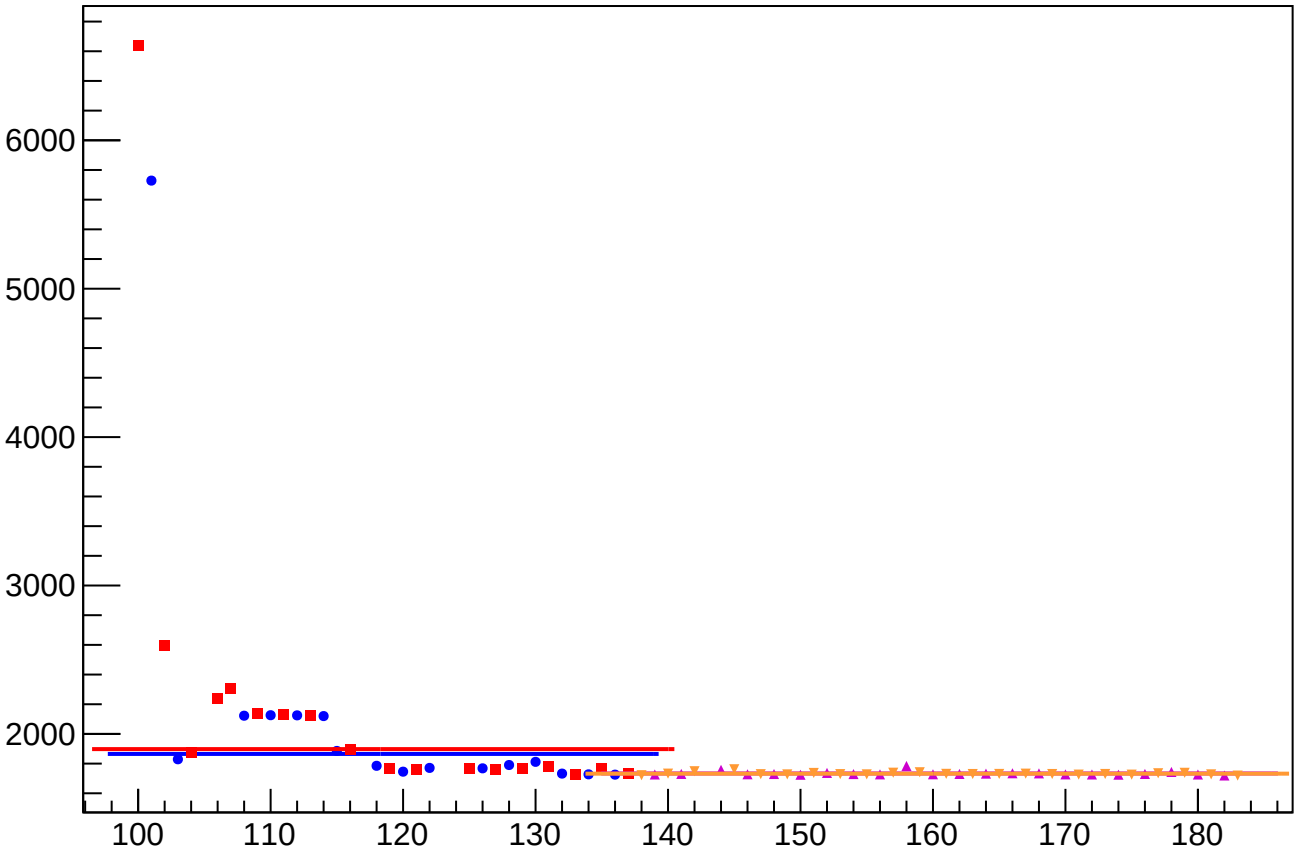
Left: -11.003+/-287.408 χ^2/NDF: 52.9/44

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 122.814+/-353.764 χ^2/NDF:38.6/37

Out: -42.616+/-352.146 χ^2/NDF:51.7/40

All: 39.720+/-249.575 χ^2/NDF: 90.5/78



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.188+/-0.286 χ^2/NDF:902.0/22

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.523+/-0.289 χ^2/NDF:2199.1/21

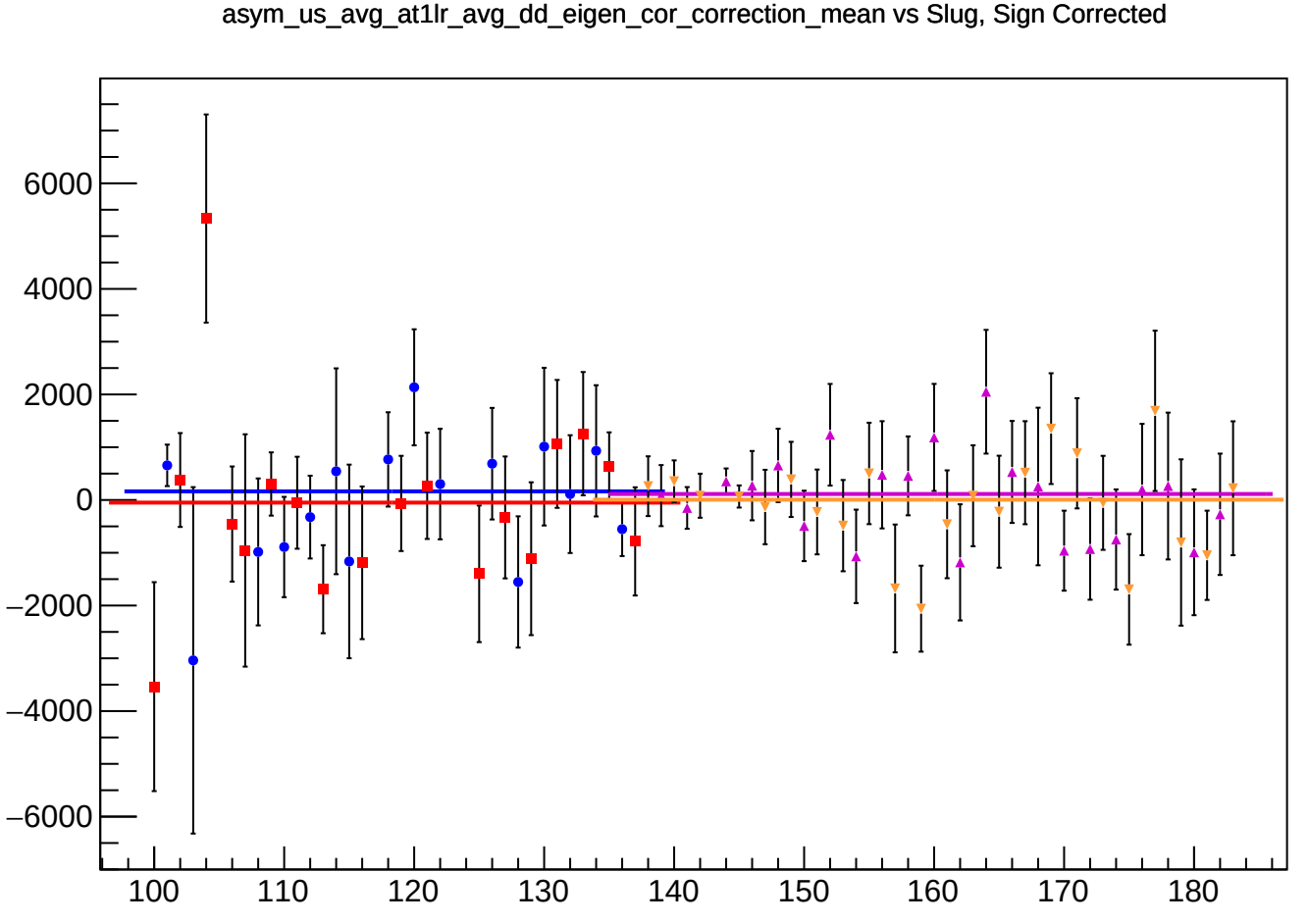
Left: 1732.850+/-0.203 χ^2/NDF: 3111.9/44

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1766.233+/-0.250 χ^2/NDF:726643.0/37

Out: 1772.480+/-0.249 χ^2/NDF:340009.6/40

All: 1769.371+/-0.176 χ^2/NDF: 1066965.9/78



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 5.907+/-130.279 χ^2/NDF:19.1/22

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: 54.475+/-96.538 χ^2/NDF: 36.2/44

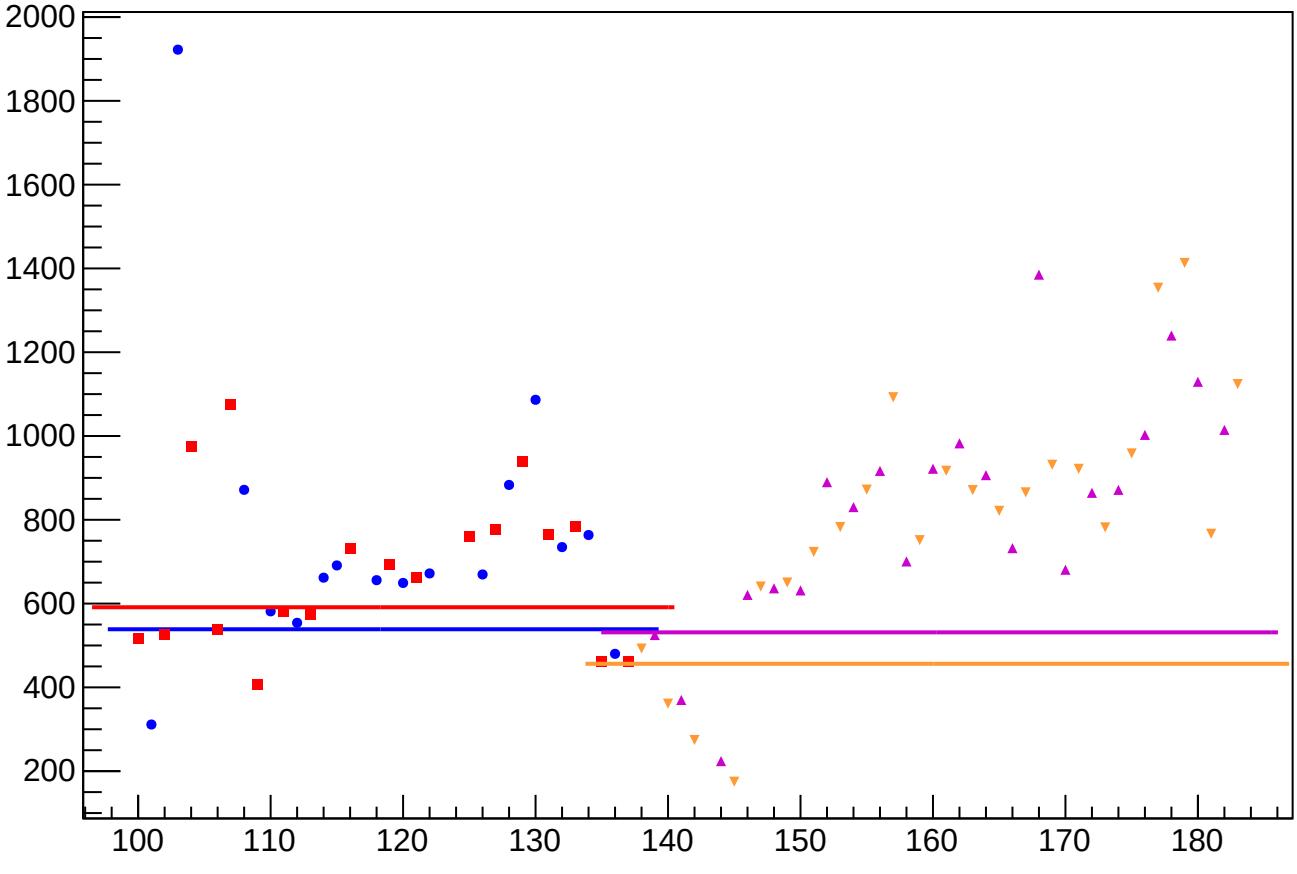
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 128.440+/-120.353 χ^2/NDF:30.7/37

Out: -6.878+/-114.300 χ^2/NDF:40.5/40

All: 57.293+/-82.879 χ^2/NDF: 71.9/78

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: 456.279+/-0.092 χ^2/NDF:11244057.2/22

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 531.322+/-0.102 χ^2/NDF:8318063.8/21

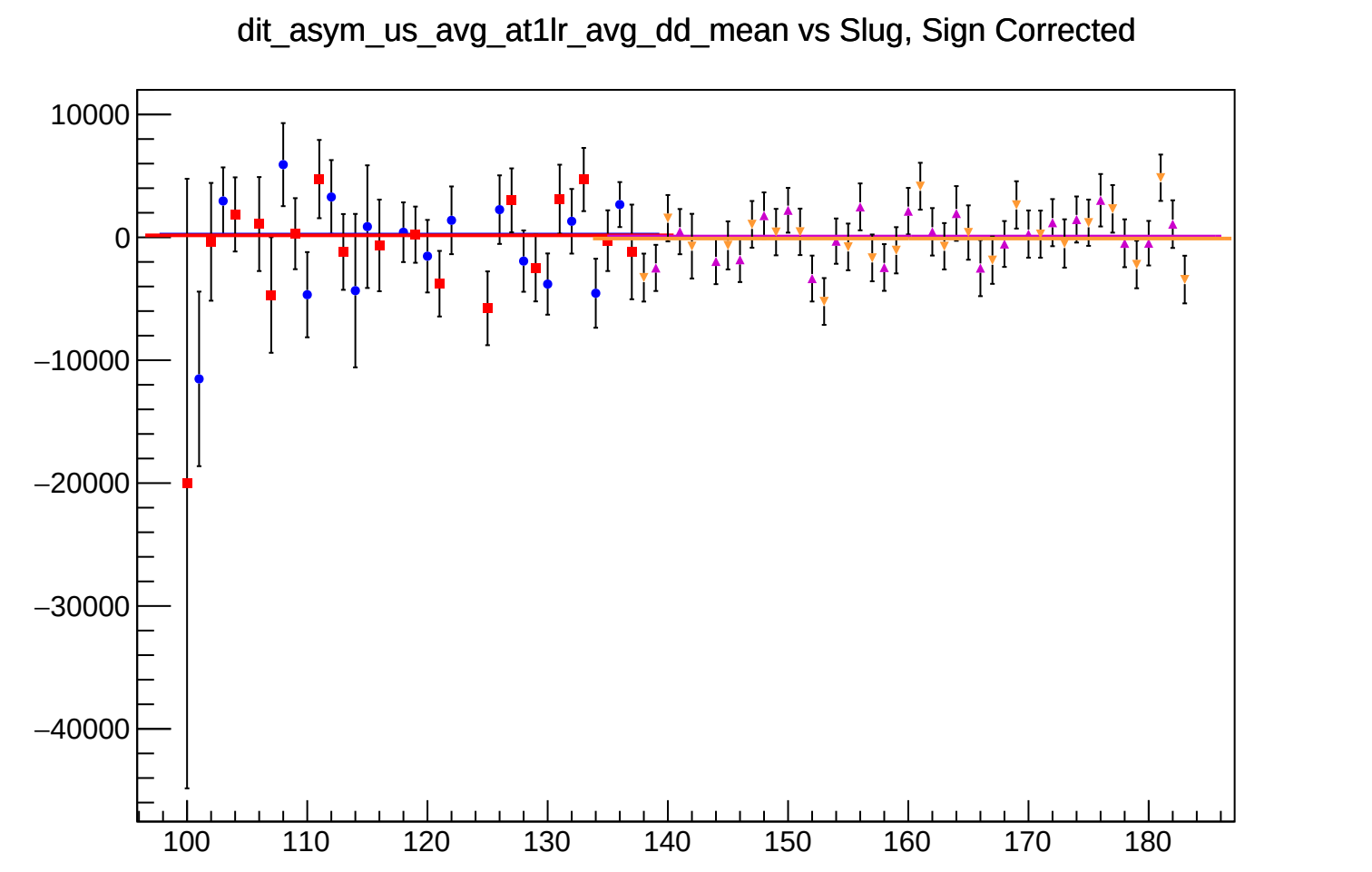
Left: 490.116+/-0.068 χ^2/NDF: 19861339.5/44

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 533.531+/-0.085 χ^2/NDF:10178533.8/37

Out: 487.355+/-0.081 χ^2/NDF:12582820.3/40

All: 509.253+/-0.059 χ^2/NDF: 22916145.5/78



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -96.172+/-405.203 χ^2/NDF:33.5/22

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: 65.501+/-408.420 χ^2/NDF:19.7/21

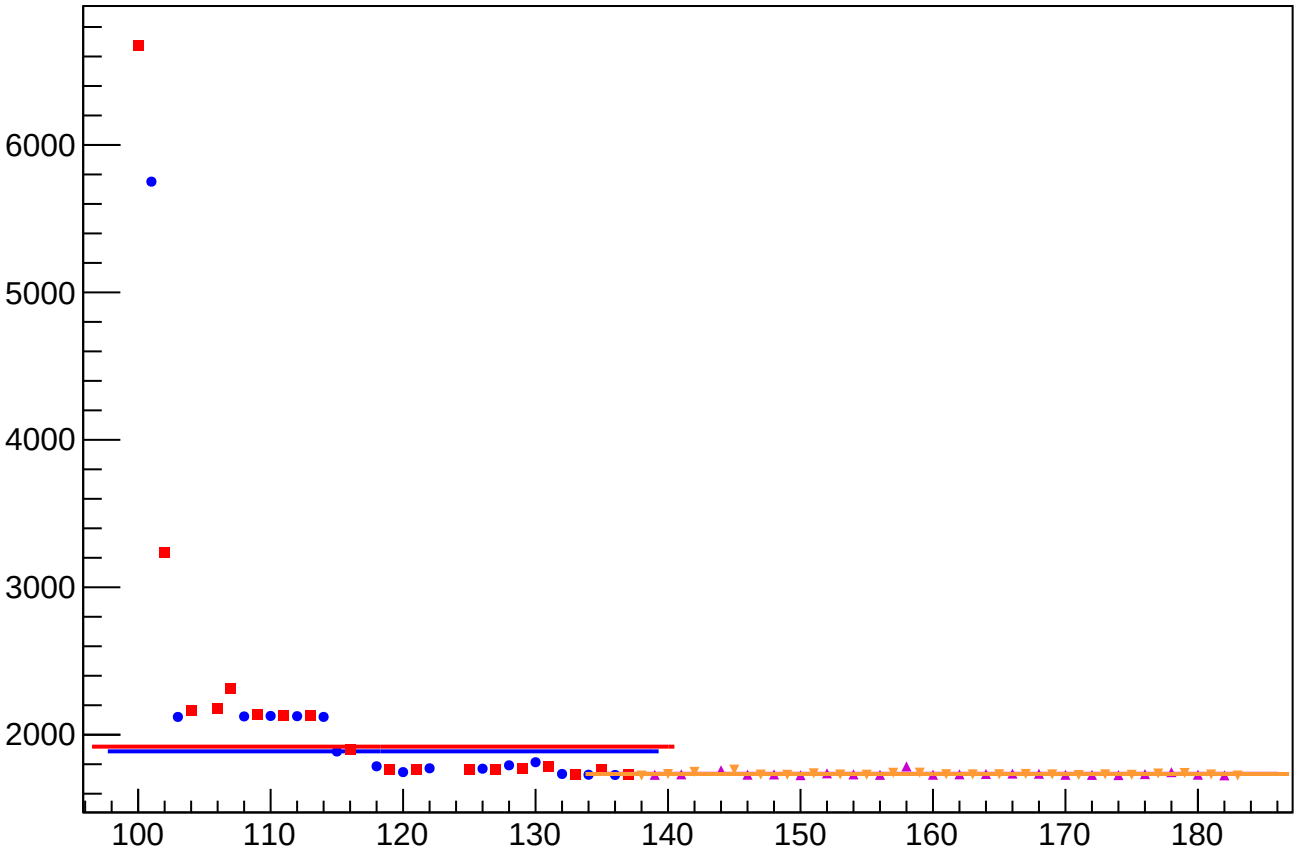
Left: -15.974+/-287.652 χ^2/NDF: 53.3/44

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: 104.747+/-355.071 χ^2/NDF:39.1/37

Out: -34.418+/-353.801 χ^2/NDF:50.6/40

All: 34.915+/-250.623 χ^2/NDF: 89.9/78



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1733.672+/-0.287 χ^2/NDF:869.0/22

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: 1734.322+/-0.203 χ^2/NDF: 3033.6/44

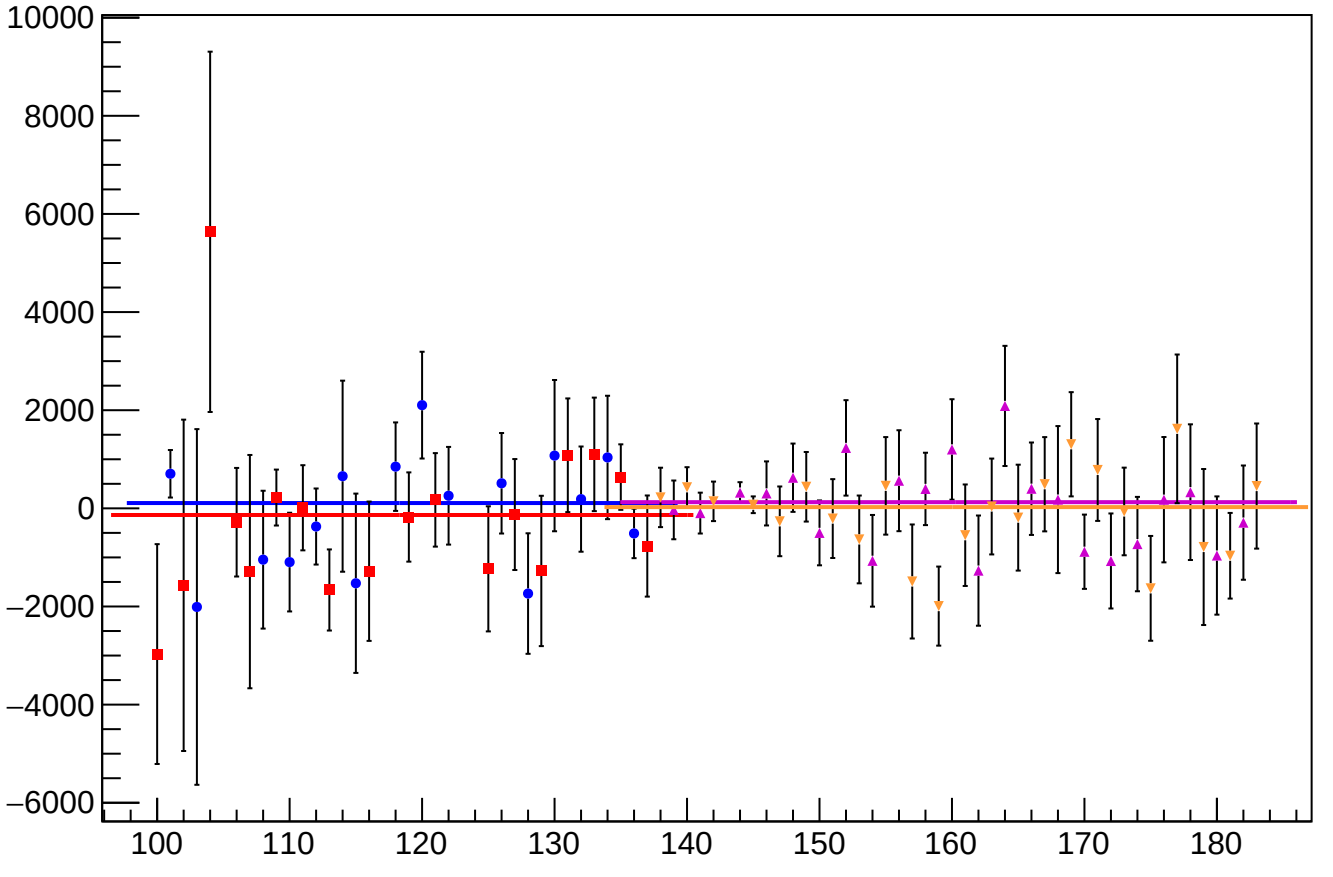
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1772.177+/-0.251 χ^2/NDF:759531.7/37

Out: 1777.749+/-0.250 χ^2/NDF:453026.9/40

All: 1774.973+/-0.177 χ^2/NDF: 1212805.8/78

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: 25.183+/-119.521 χ^2/NDF:18.3/22

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: 68.607+/-90.211 χ^2/NDF: 34.9/44

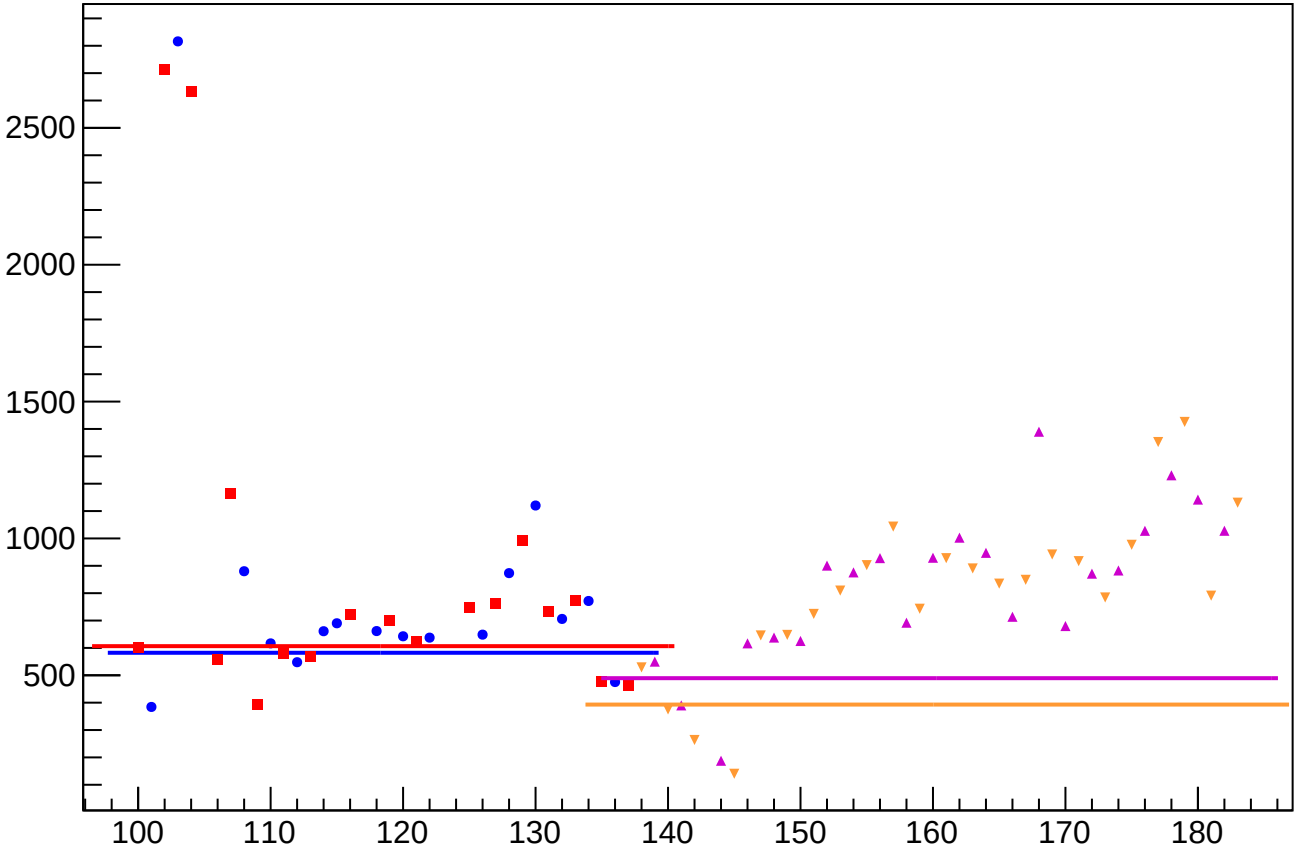
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 121.415+/-118.260 χ^2/NDF:30.4/37

Out: -5.490+/-107.498 χ^2/NDF:33.0/40

All: 51.927+/-79.546 χ^2/NDF: 64.1/78

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: 393.022+/-0.085 χ^2/NDF:14124807.2/22

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 489.448+/-0.097 χ^2/NDF:10259825.8/21

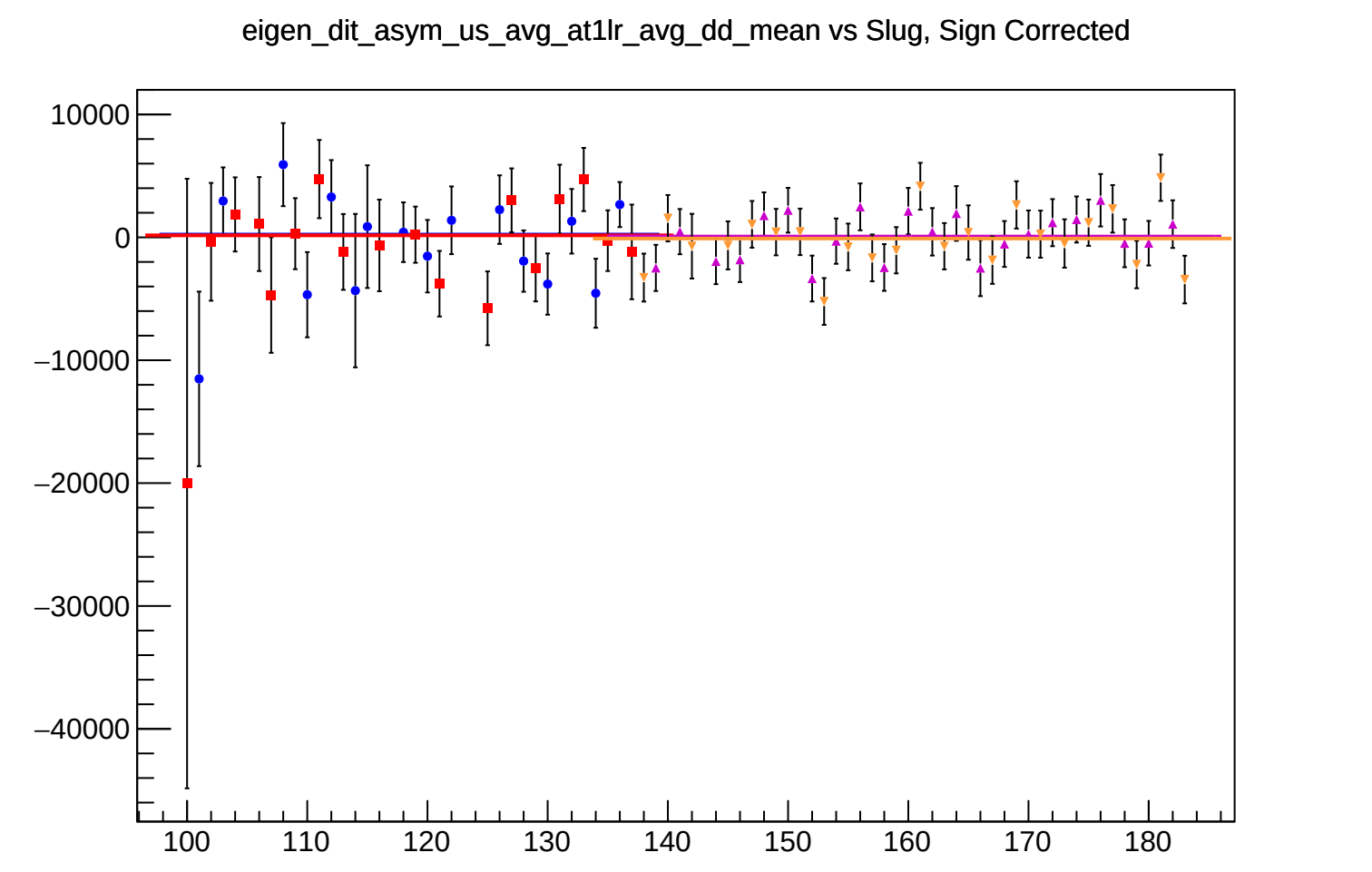
Left: 434.516+/-0.064 χ^2/NDF: 24944817.0/44

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 513.627+/-0.084 χ^2/NDF:12251474.3/37

Out: 433.799+/-0.076 χ^2/NDF:17541689.2/40

All: 469.917+/-0.056 χ^2/NDF: 30292158.4/78



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -96.175+/-405.203 χ^2/NDF:33.5/22

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: 65.501+/-408.420 χ^2/NDF:19.7/21

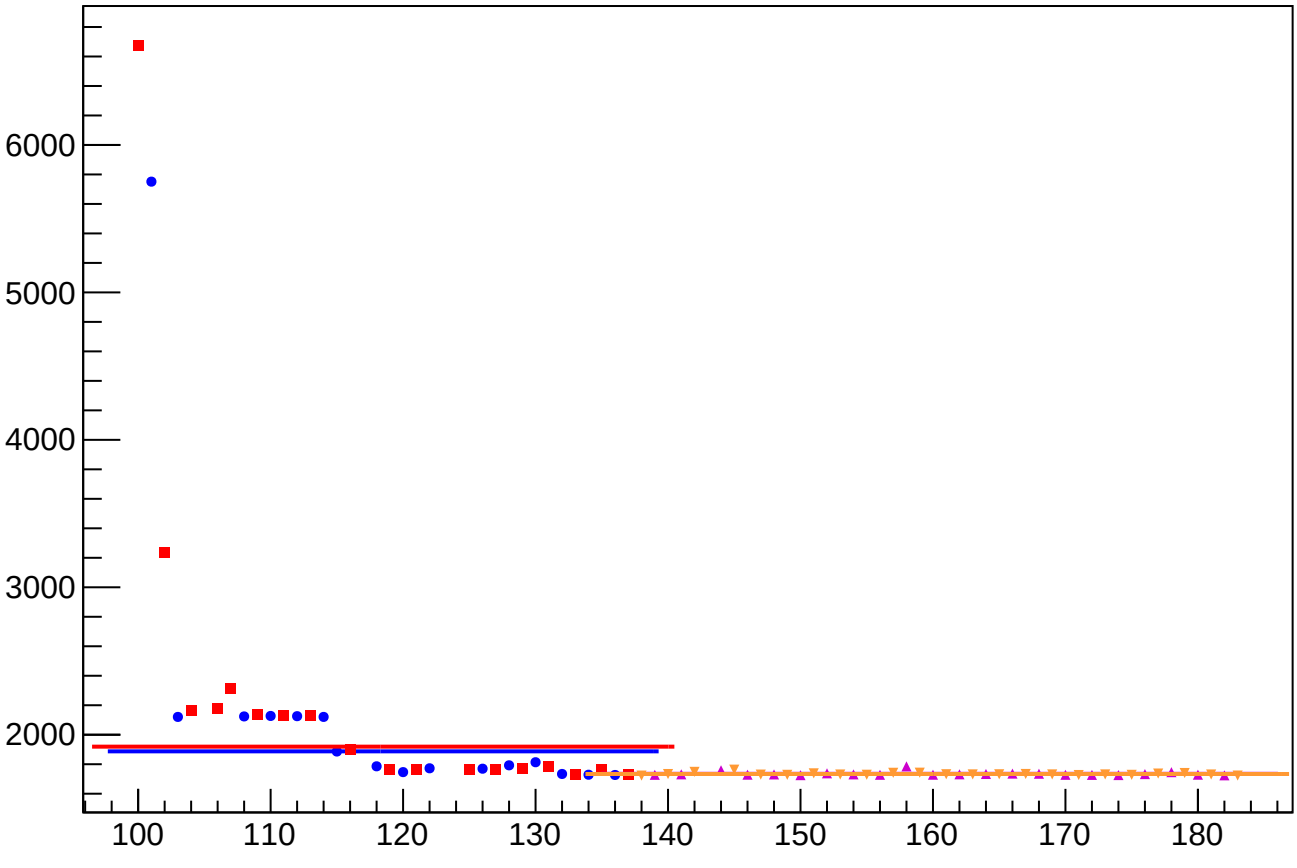
Left: -15.976+/-287.652 χ^2/NDF: 53.3/44

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: 104.748+/-355.071 χ^2/NDF:39.1/37

Out: -34.420+/-353.801 χ^2/NDF:50.6/40

All: 34.914+/-250.623 χ^2/NDF: 89.9/78



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1733.672+/-0.287 χ^2/NDF:869.0/22

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1734.981+/-0.289 χ^2/NDF:2154.3/21

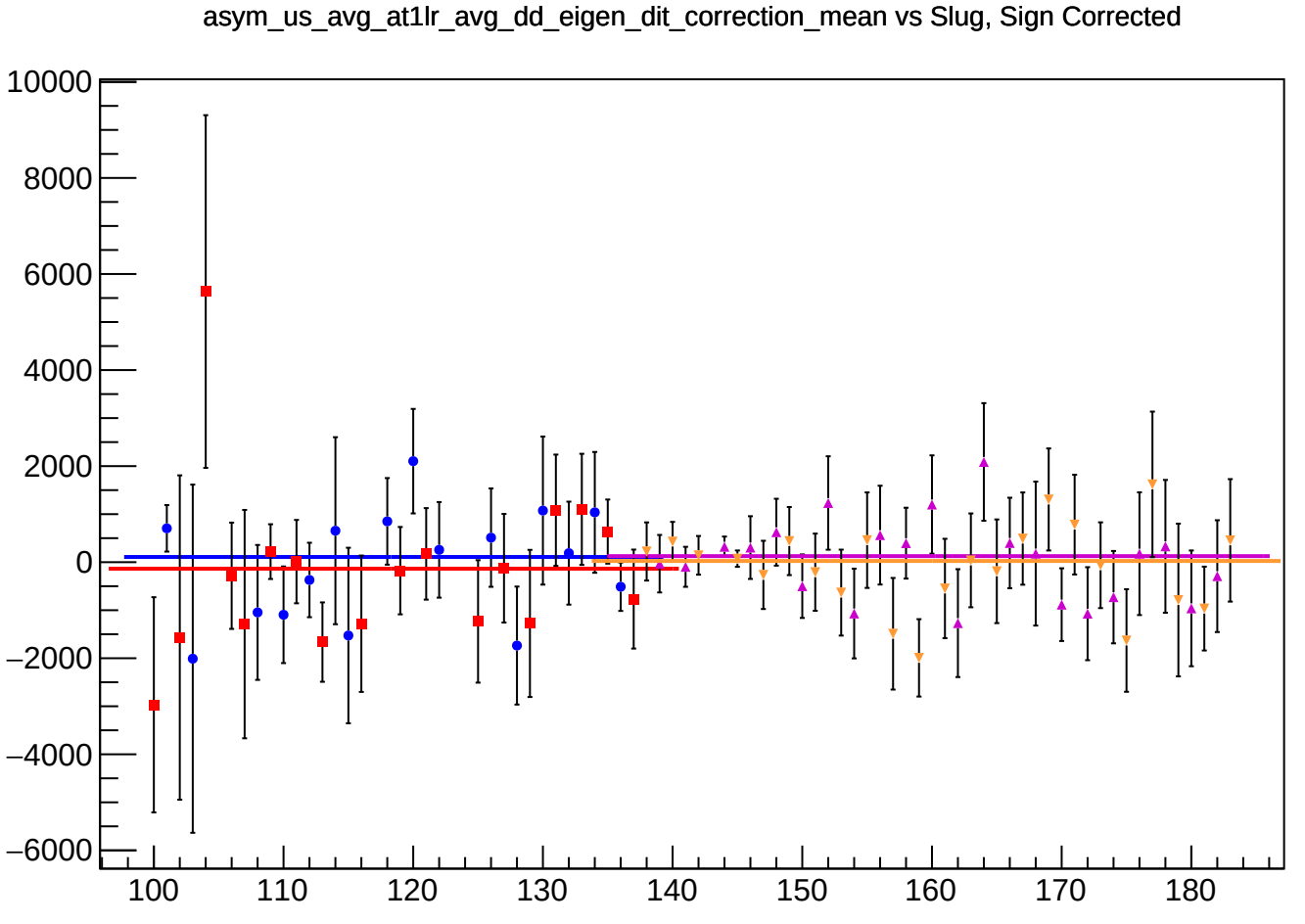
Left: 1734.322+/-0.203 χ^2/NDF: 3033.6/44

Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1772.177+/-0.251 χ^2/NDF:759531.3/37

Out: 1777.749+/-0.250 χ^2/NDF:453026.0/40

All: 1774.973+/-0.177 χ^2/NDF: 1212804.5/78



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 25.181+/-119.521 χ^2/NDF:18.3/22

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: 68.606+/-90.211 χ^2/NDF: 34.9/44

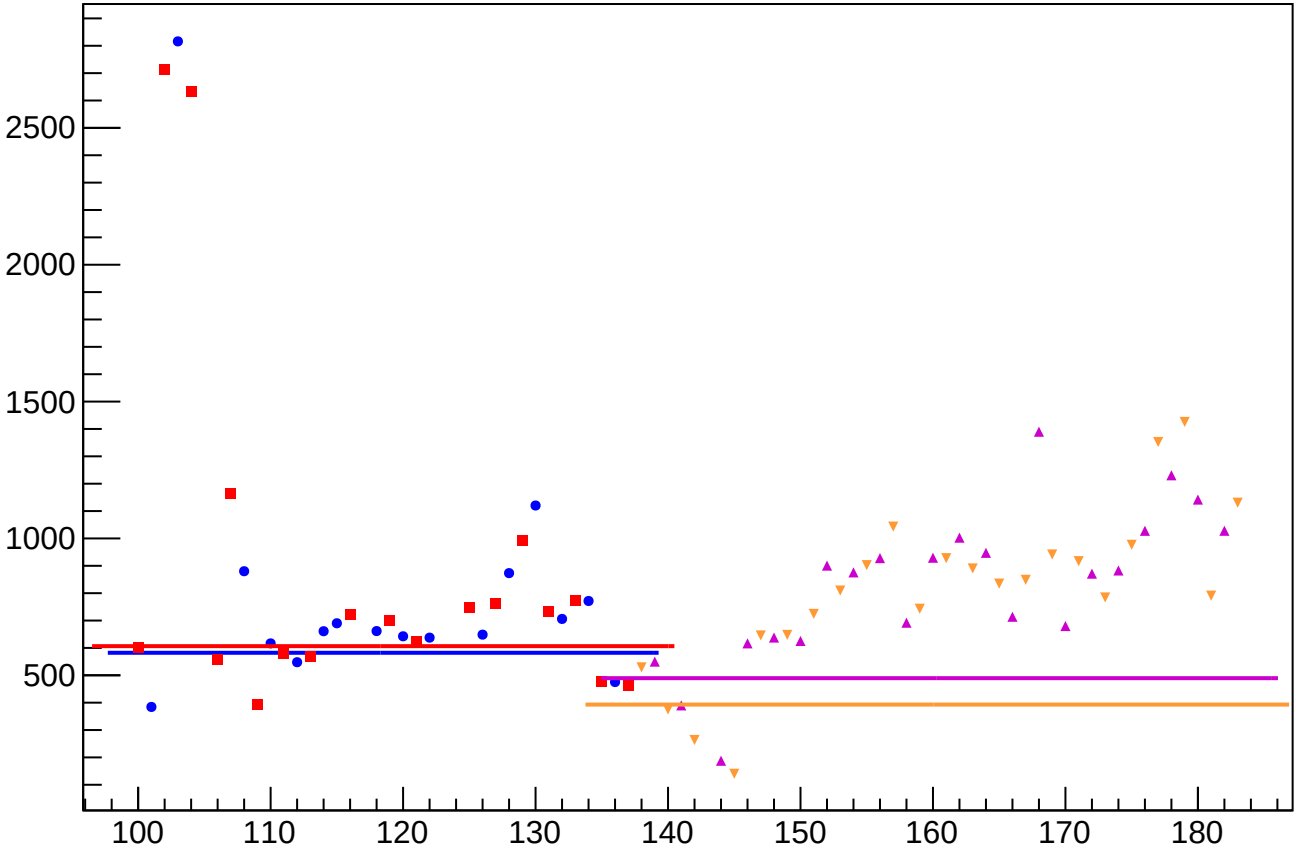
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 121.414+/-118.260 χ^2/NDF:30.4/37

Out: -5.491+/-107.498 χ^2/NDF:33.0/40

All: 51.926+/-79.546 χ^2/NDF: 64.1/78

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: 393.022+/-0.085 χ^2/NDF:14124851.2/22

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 489.449+/-0.097 χ^2/NDF:10259849.7/21

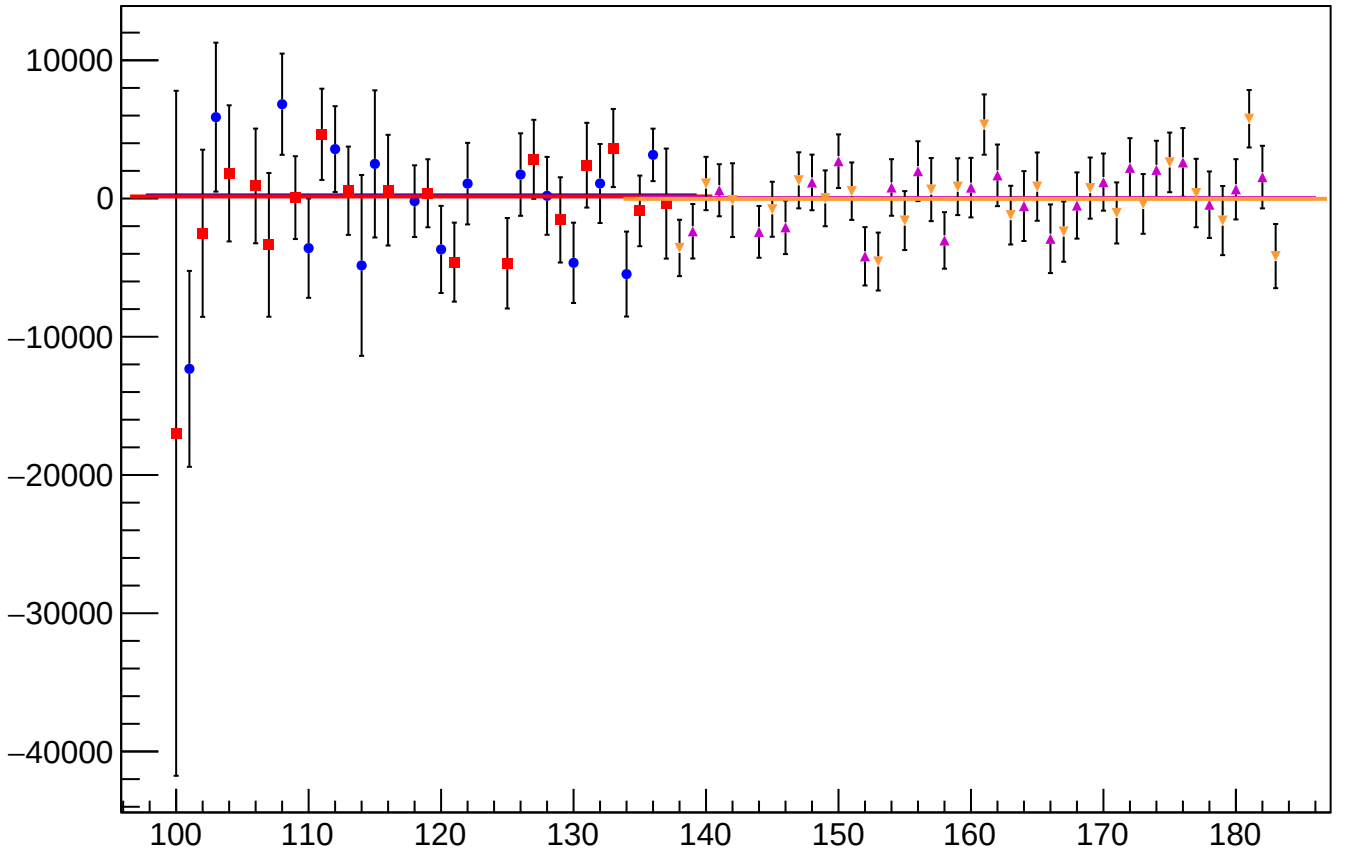
Left: 434.516+/-0.064 χ^2/NDF: 24944890.9/44

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 513.627+/-0.084 χ^2/NDF:12251474.6/37

Out: 433.799+/-0.076 χ^2/NDF:17541715.7/40

All: 469.916+/-0.056 χ^2/NDF: 30292191.4/78



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -22.799+/-452.563 χ^2/NDF:30.4/22

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: 30.975+/-454.247 χ^2/NDF:20.0/21

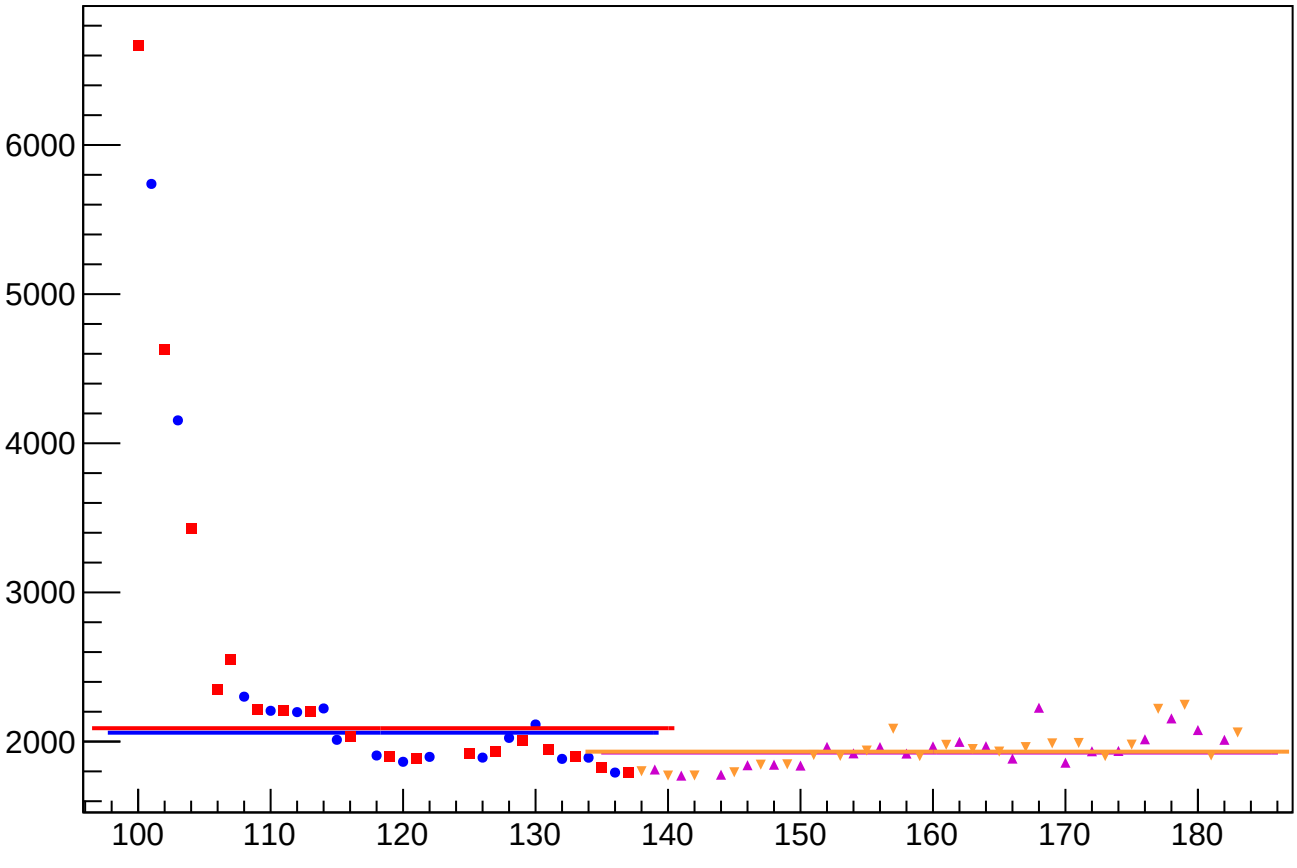
Left: 3.988+/-320.604 χ^2/NDF: 50.4/44

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: 78.912+/-393.997 χ^2/NDF:41.2/37

Out: 19.062+/-393.202 χ^2/NDF:42.0/40

All: 48.927+/-278.317 χ^2/NDF: 83.2/78



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1932.251+/-0.320 χ^2/NDF:126629.4/22

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1926.194+/-0.321 χ^2/NDF:115887.3/21

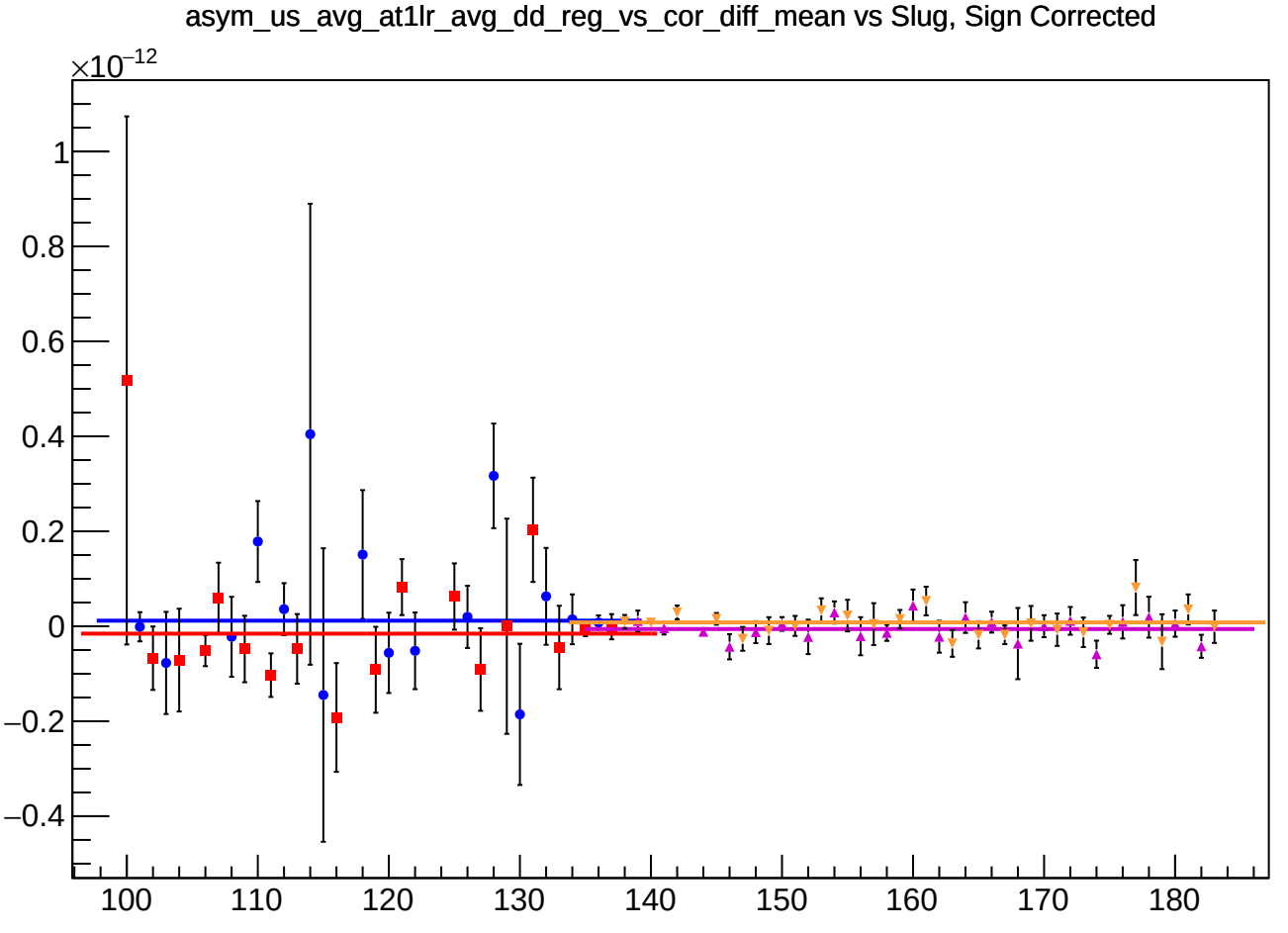
Left: 1929.234+/-0.227 χ^2/NDF: 242695.2/44

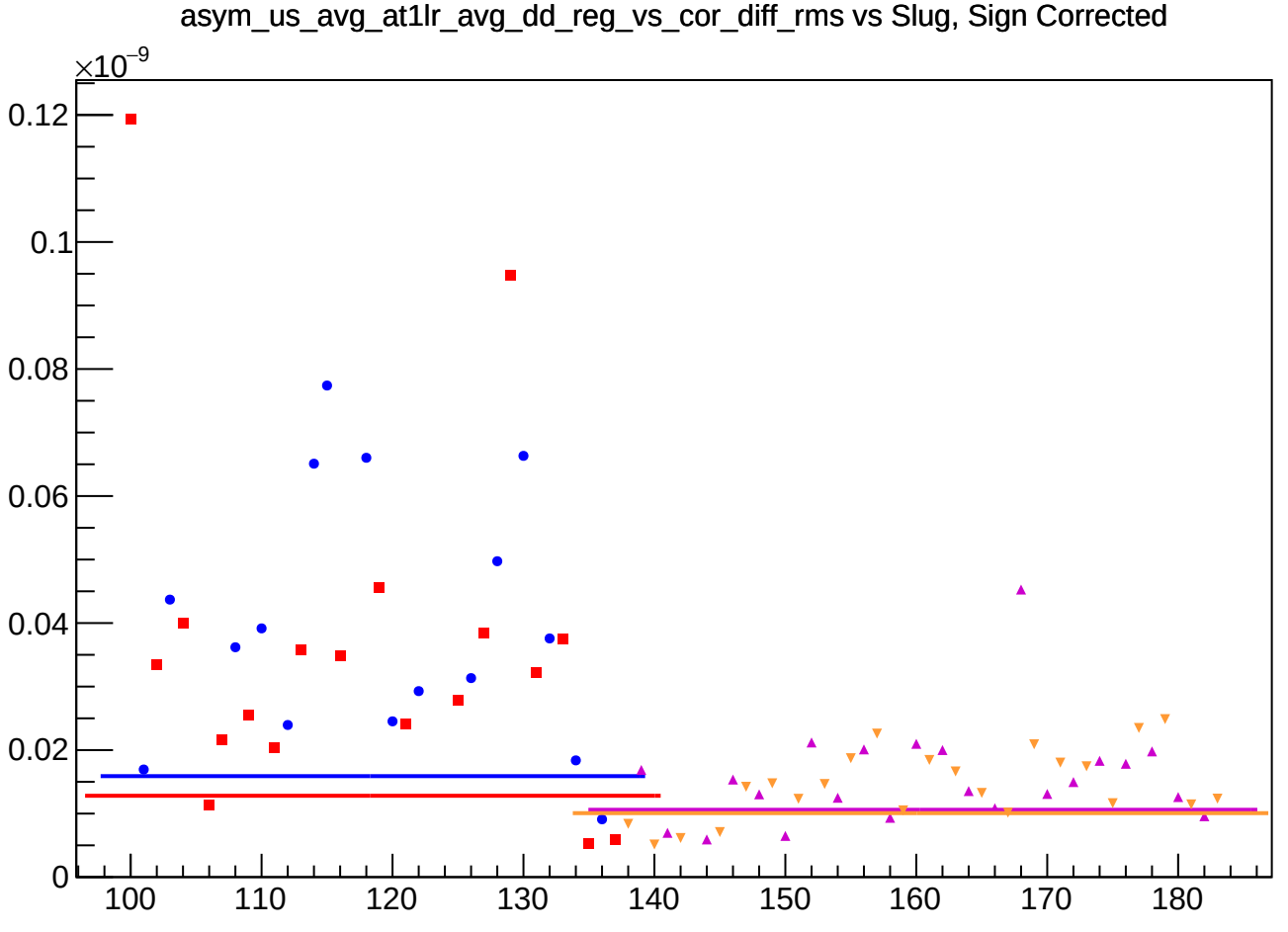
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1959.210+/-0.279 χ^2/NDF:1098420.0/37

Out: 1970.791+/-0.278 χ^2/NDF:867267.1/40

All: 1965.012+/-0.197 χ^2/NDF: 1966552.8/78


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:17.1/22
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: 38.7/44
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:42.0/40
All: 0.000+/-0.000 χ²/NDF: 80.7/78



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2263570.1/22

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: 4854320.4/44

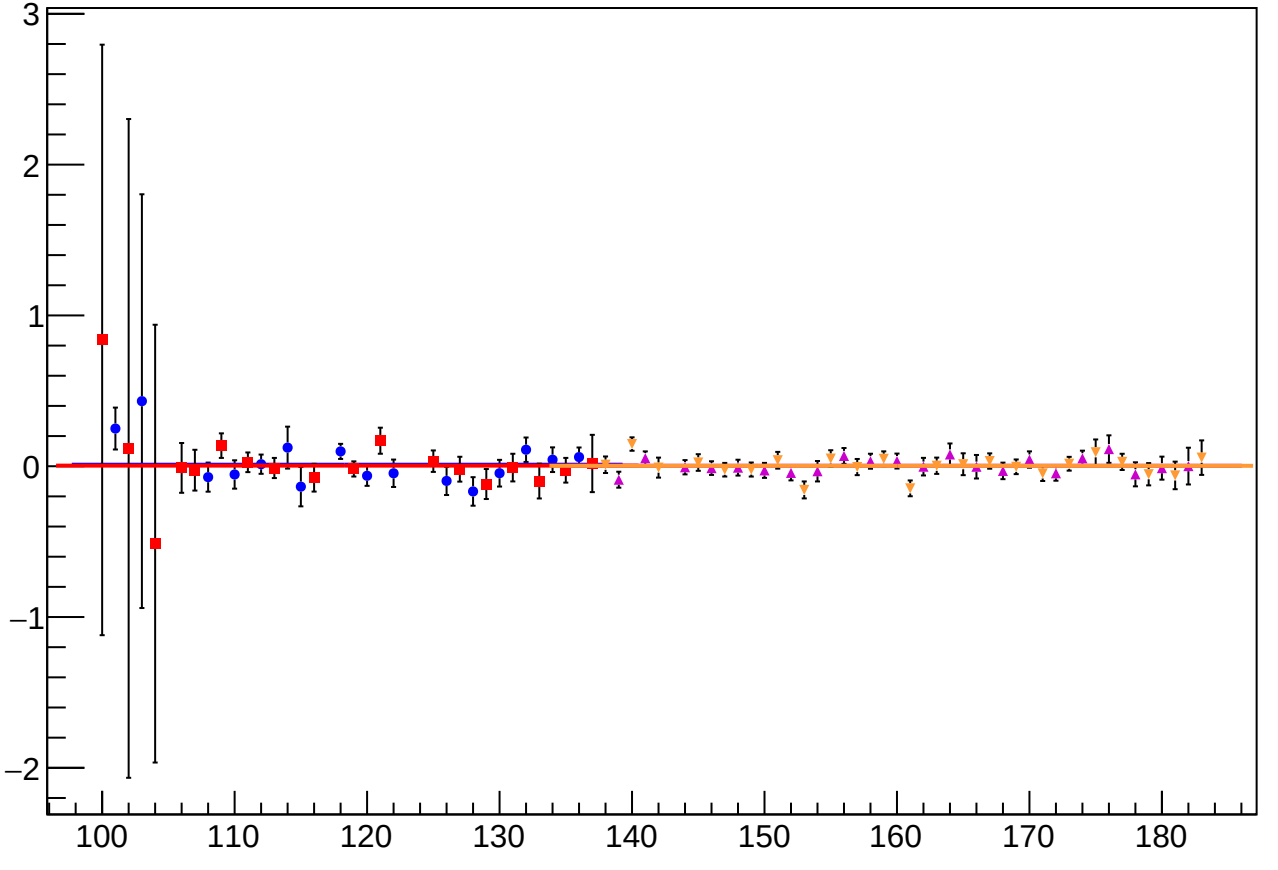
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:4875238.7/37

Out: 0.000+/-0.000 χ^2/NDF:4862020.2/40

All: 0.000+/-0.000 χ^2/NDF: 9778590.5/78

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.8/22

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: 48.2/44

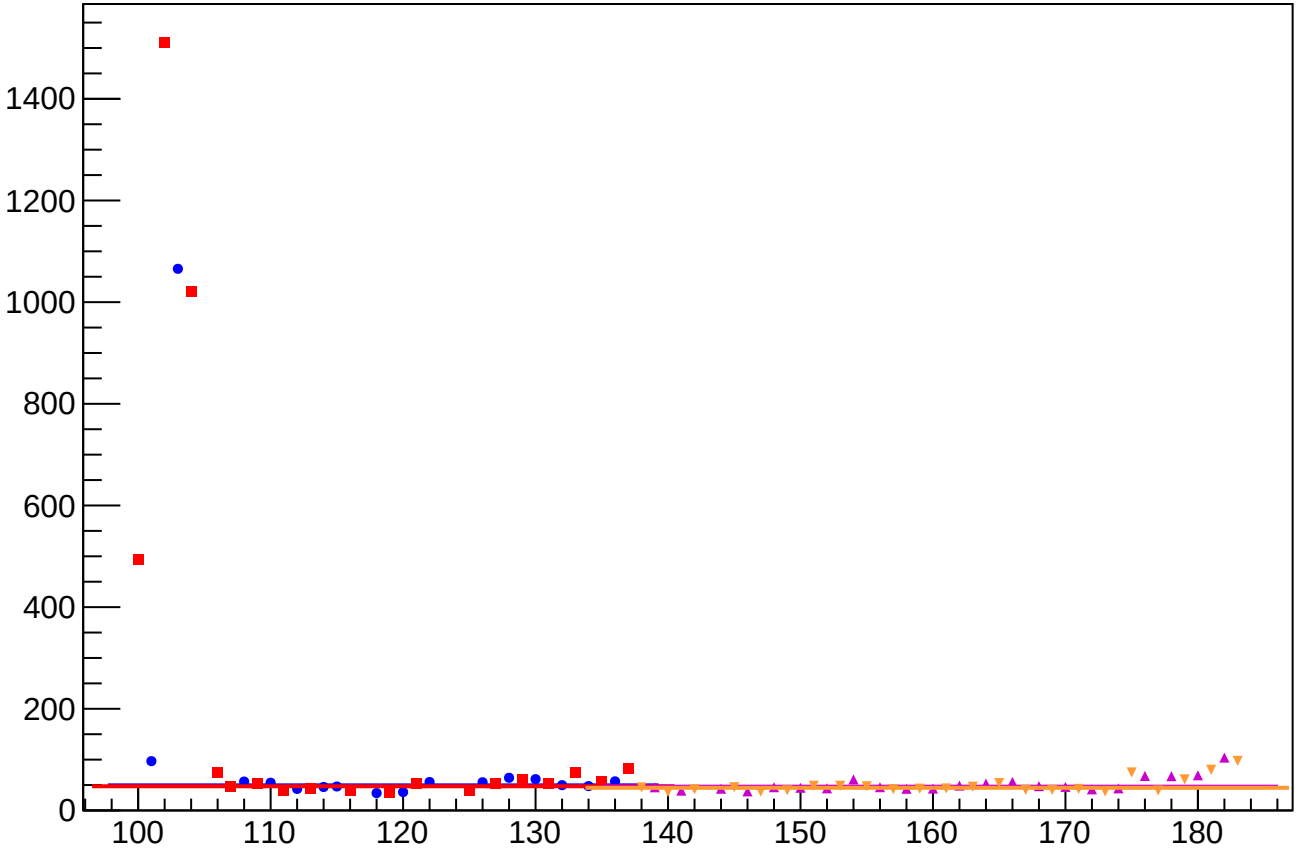
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/37

Out: 0.003+/-0.010 χ^2/NDF:44.3/40

All: 0.004+/-0.007 χ^2/NDF: 77.2/78

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: 44.557+/-0.008 χ^2/NDF:1404216.8/22

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: 45.646+/-0.006 χ^2/NDF: 2659374.8/44

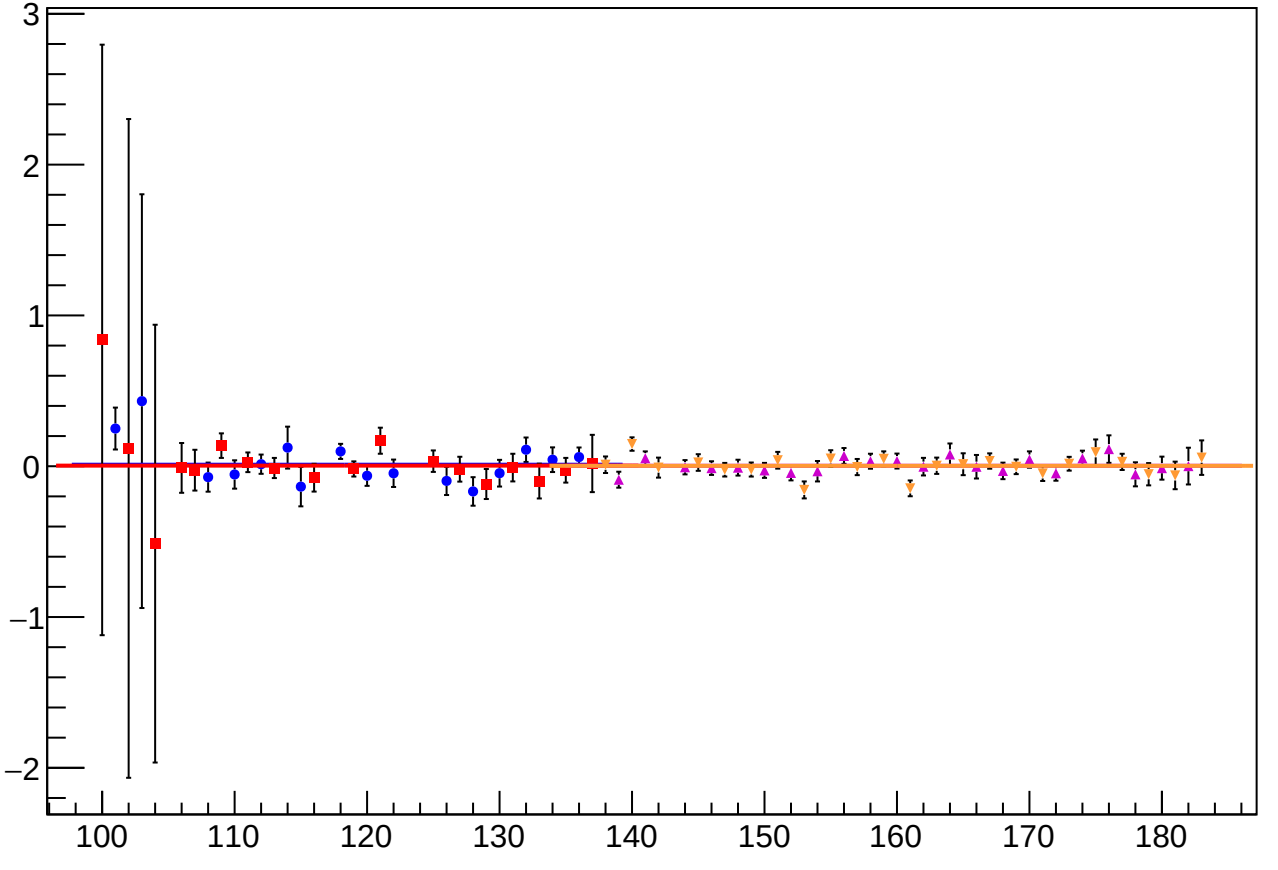
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 47.435+/-0.007 χ^2/NDF:3016940.5/37

Out: 45.238+/-0.007 χ^2/NDF:3853535.2/40

All: 46.313+/-0.005 χ^2/NDF: 6916161.8/78

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.8/22

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: 48.2/44

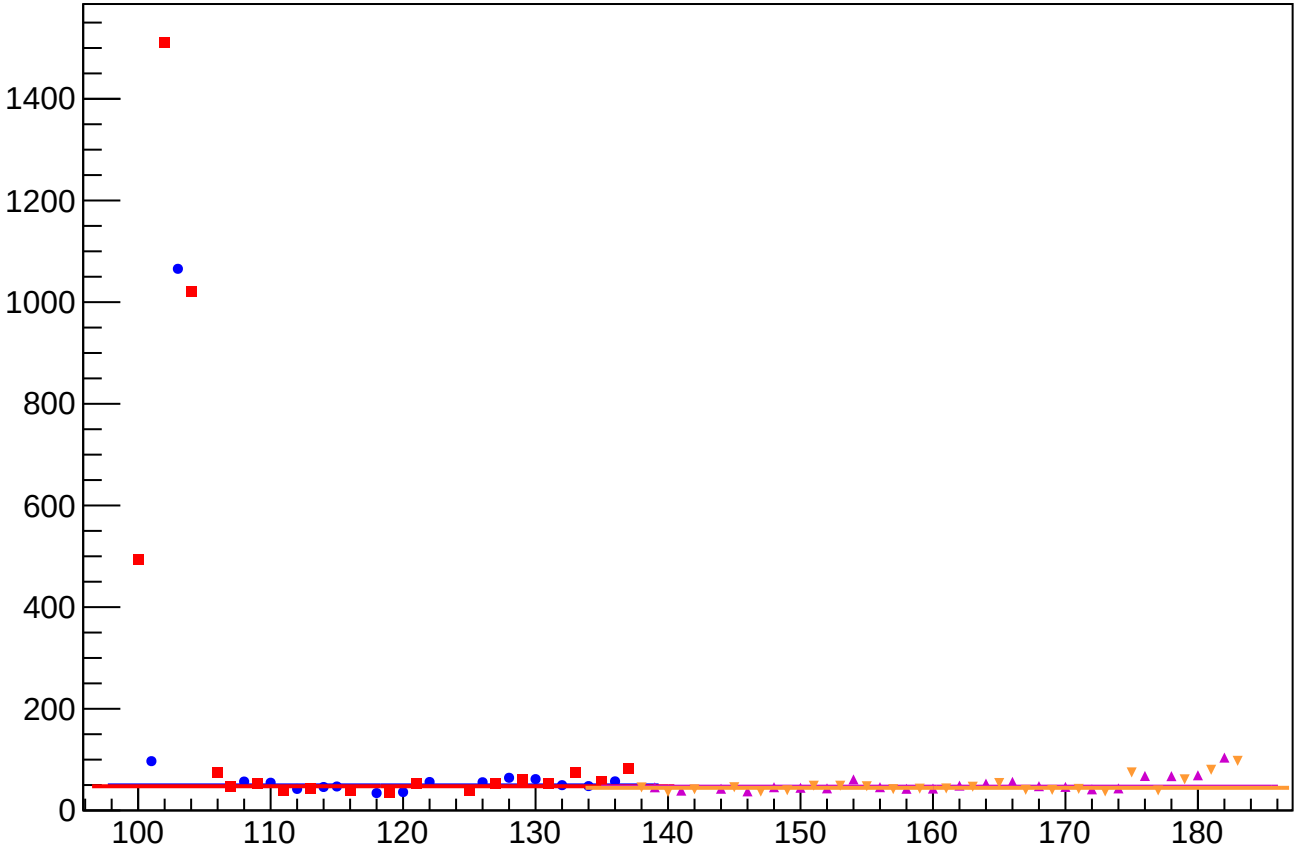
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/37

Out: 0.003+/-0.010 χ^2/NDF:44.3/40

All: 0.004+/-0.007 χ^2/NDF: 77.2/78

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: 44.557+/-0.008 χ^2/NDF:1404216.8/22

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 46.817+/-0.008 χ^2/NDF:1218204.2/21

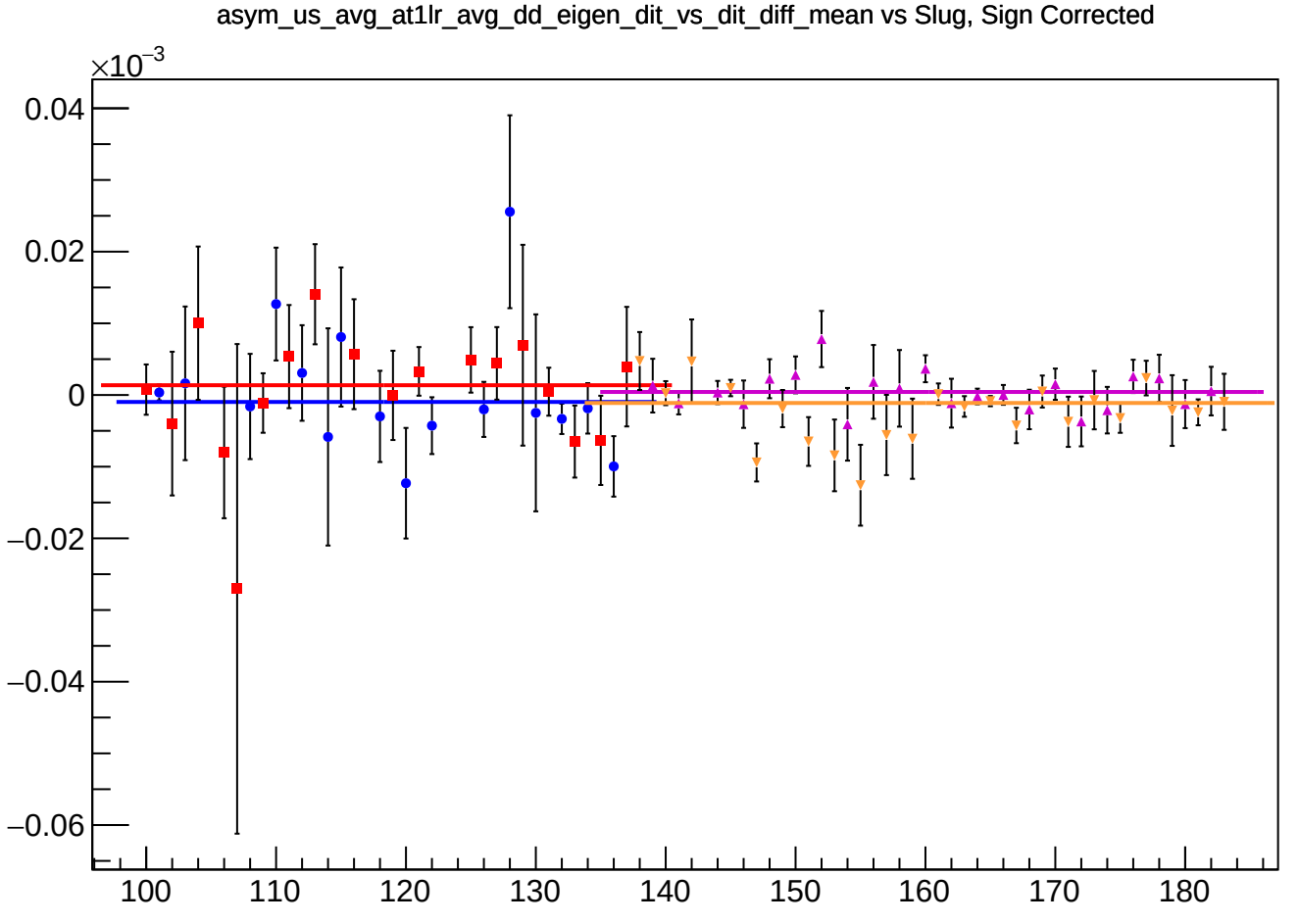
Left: 45.646+/-0.006 χ^2/NDF: 2659374.8/44

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 47.435+/-0.007 χ^2/NDF:3016940.5/37

Out: 45.238+/-0.007 χ^2/NDF:3853535.2/40

All: 46.313+/-0.005 χ^2/NDF: 6916161.8/78



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.4/22

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: 55.4/44

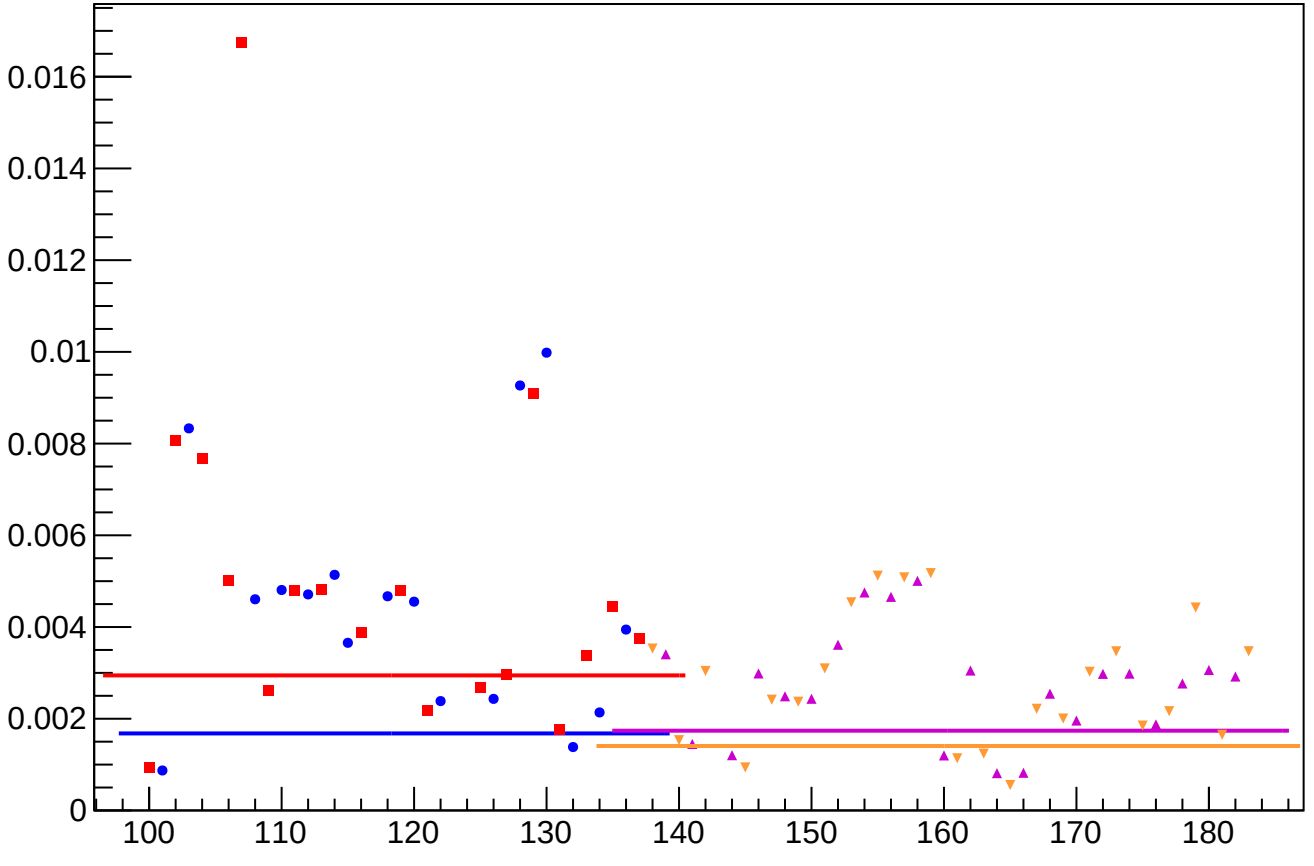
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:36.0/37

Out: -0.000+/-0.000 χ^2/NDF:50.4/40

All: -0.000+/-0.000 χ^2/NDF: 89.0/78

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:11387421.0/22

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: 20024579.2/44

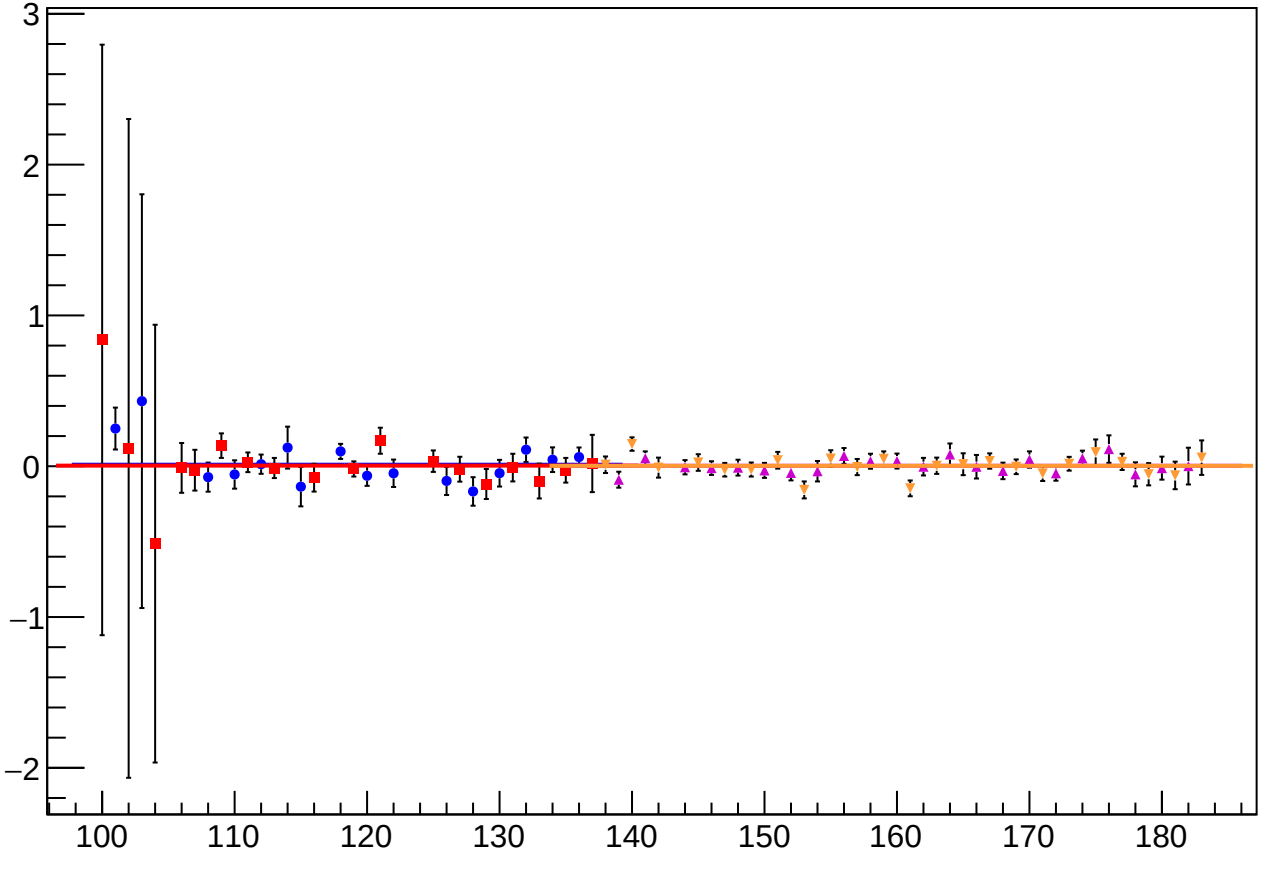
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:14061988.7/37

Out: 0.002+/-0.000 χ^2/NDF:17356678.0/40

All: 0.002+/-0.000 χ^2/NDF: 31606602.3/78

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.8/22

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: 48.2/44

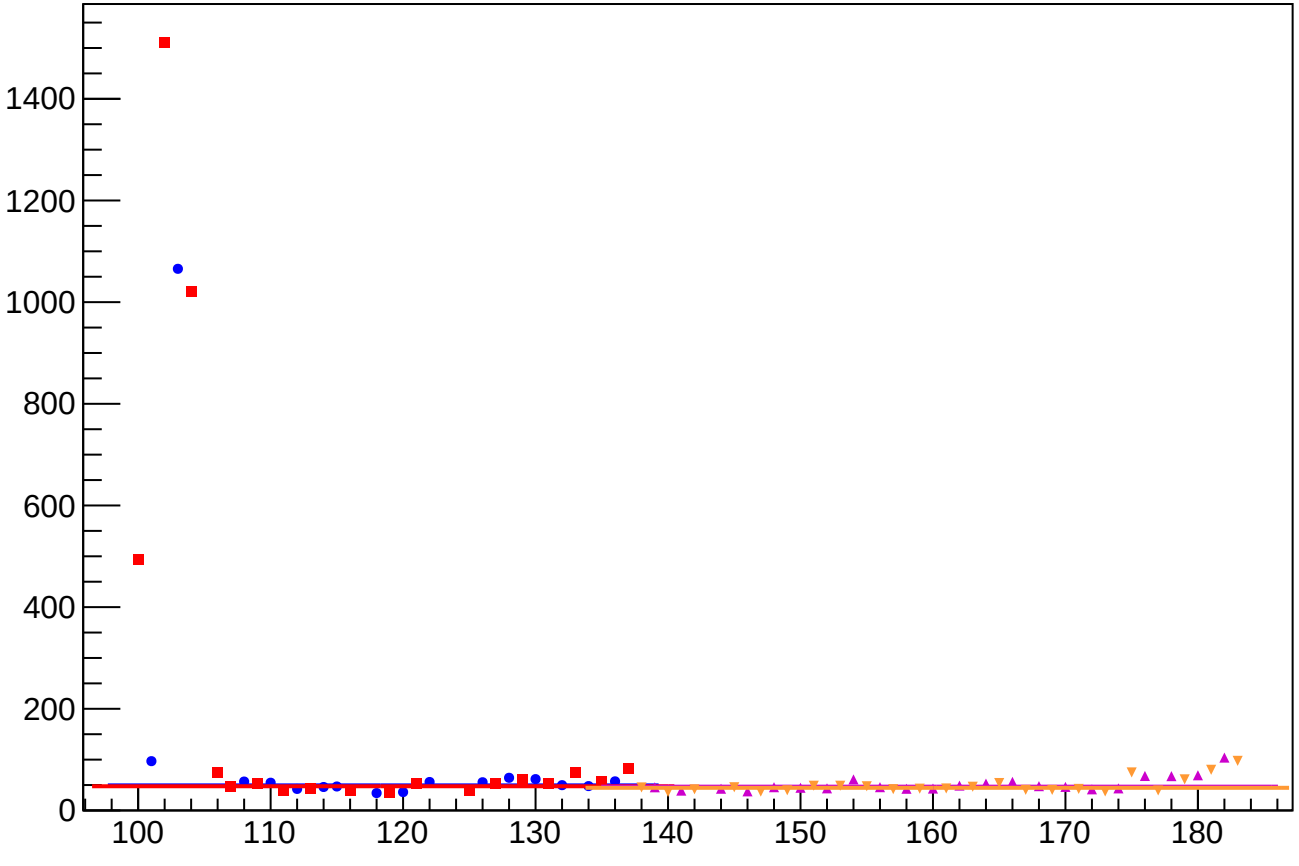
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/37

Out: 0.003+/-0.010 χ^2/NDF:44.3/40

All: 0.004+/-0.007 χ^2/NDF: 77.2/78

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: 44.558+/-0.008 χ^2/NDF:1404222.6/22

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: 45.646+/-0.006 χ^2/NDF: 2659434.5/44

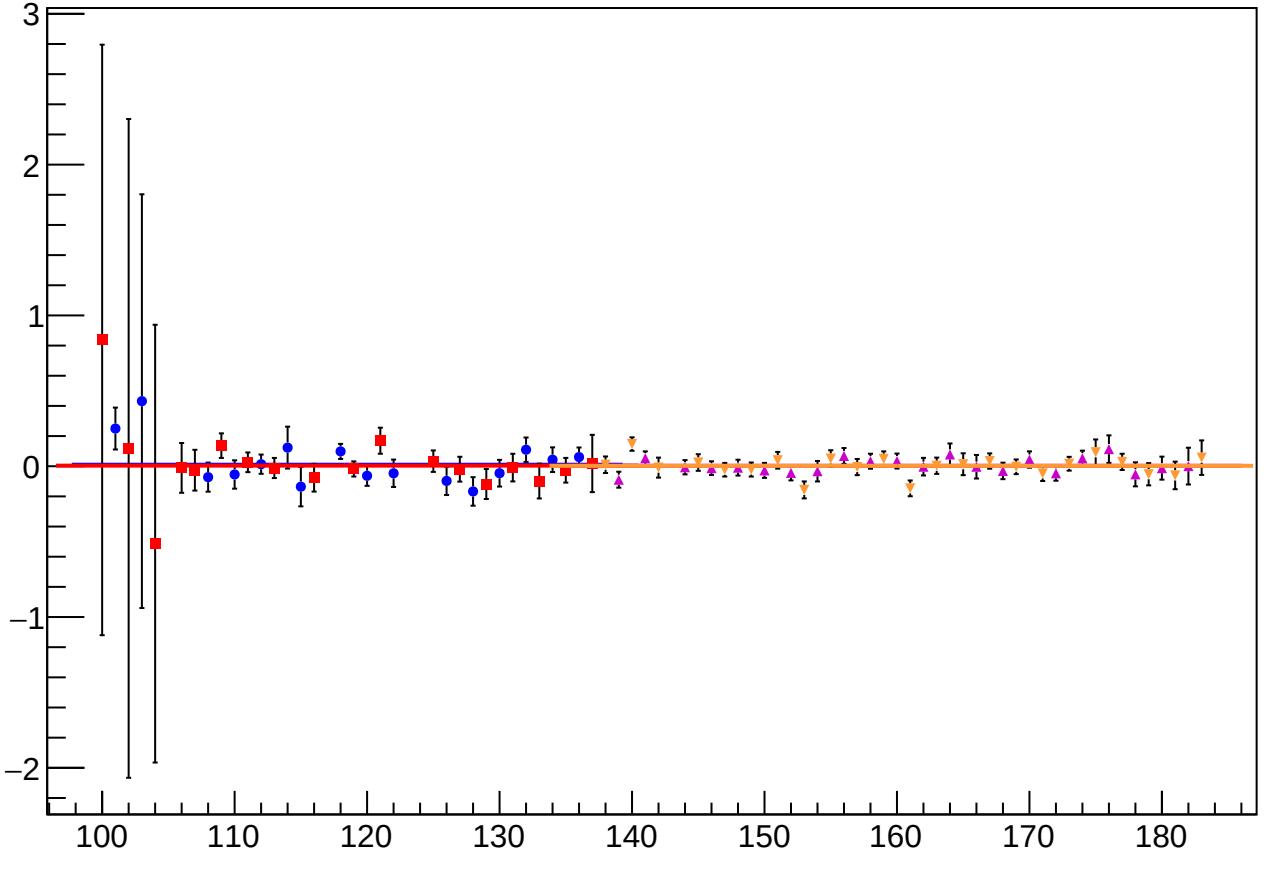
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 47.435+/-0.007 χ^2/NDF:3016946.9/37

Out: 45.238+/-0.007 χ^2/NDF:3853555.6/40

All: 46.313+/-0.005 χ^2/NDF: 6916186.7/78

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.8/22

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: 48.2/44

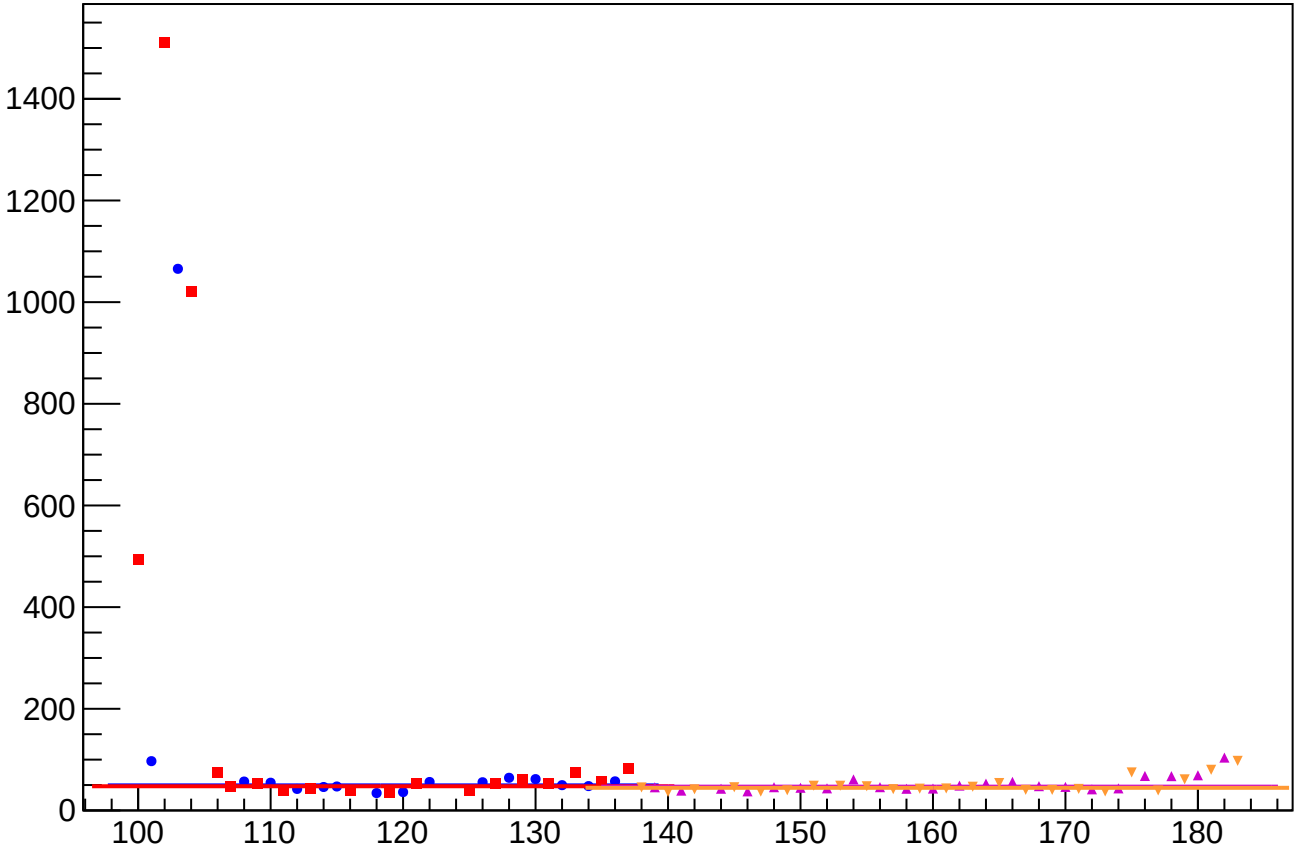
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/37

Out: 0.003+/-0.010 χ^2/NDF:44.3/40

All: 0.004+/-0.007 χ^2/NDF: 77.2/78

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: 44.558+/-0.008 χ^2/NDF:1404222.6/22

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 46.817+/-0.008 χ^2/NDF:1218271.5/21

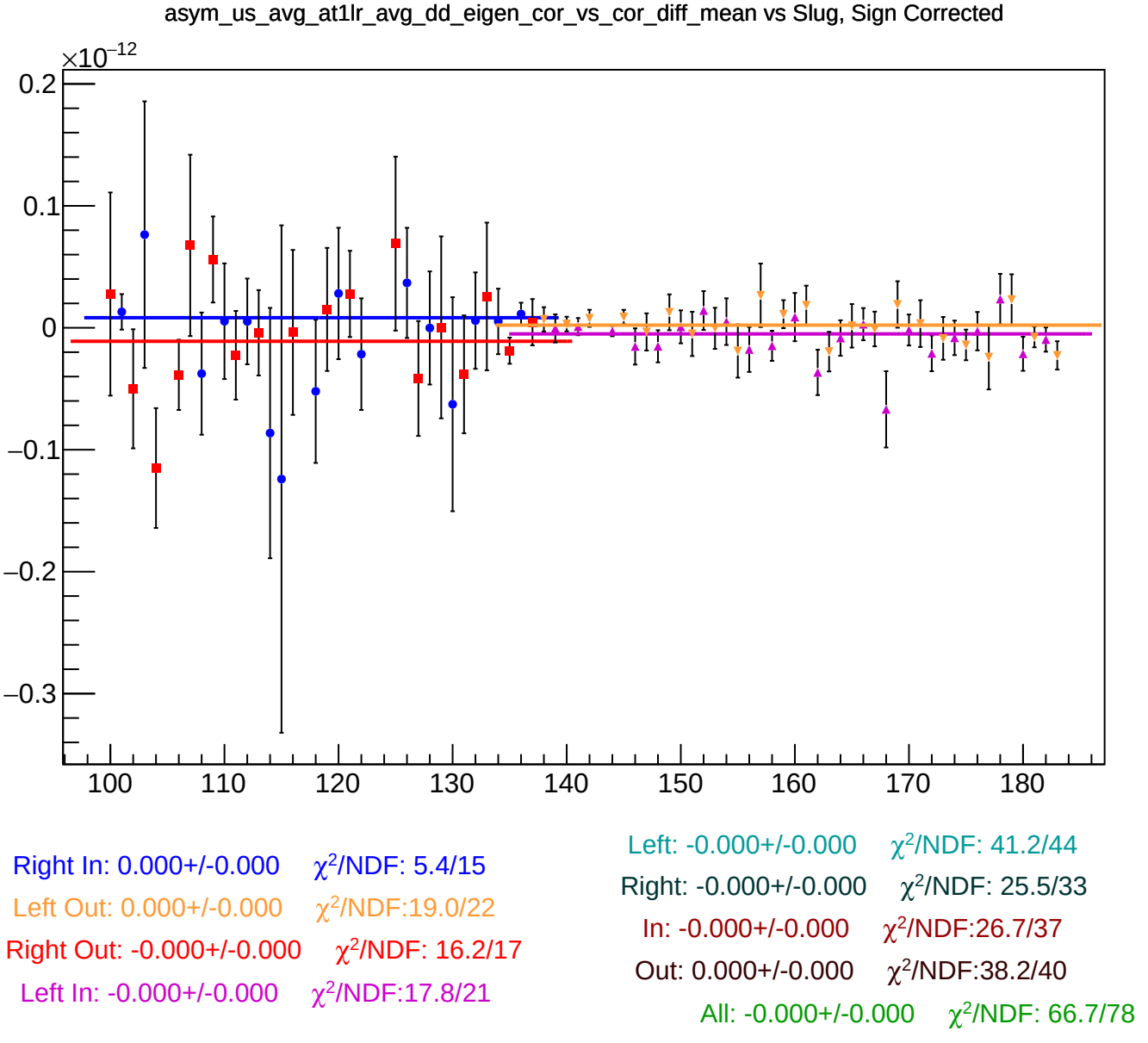
Left: 45.646+/-0.006 χ^2/NDF: 2659434.5/44

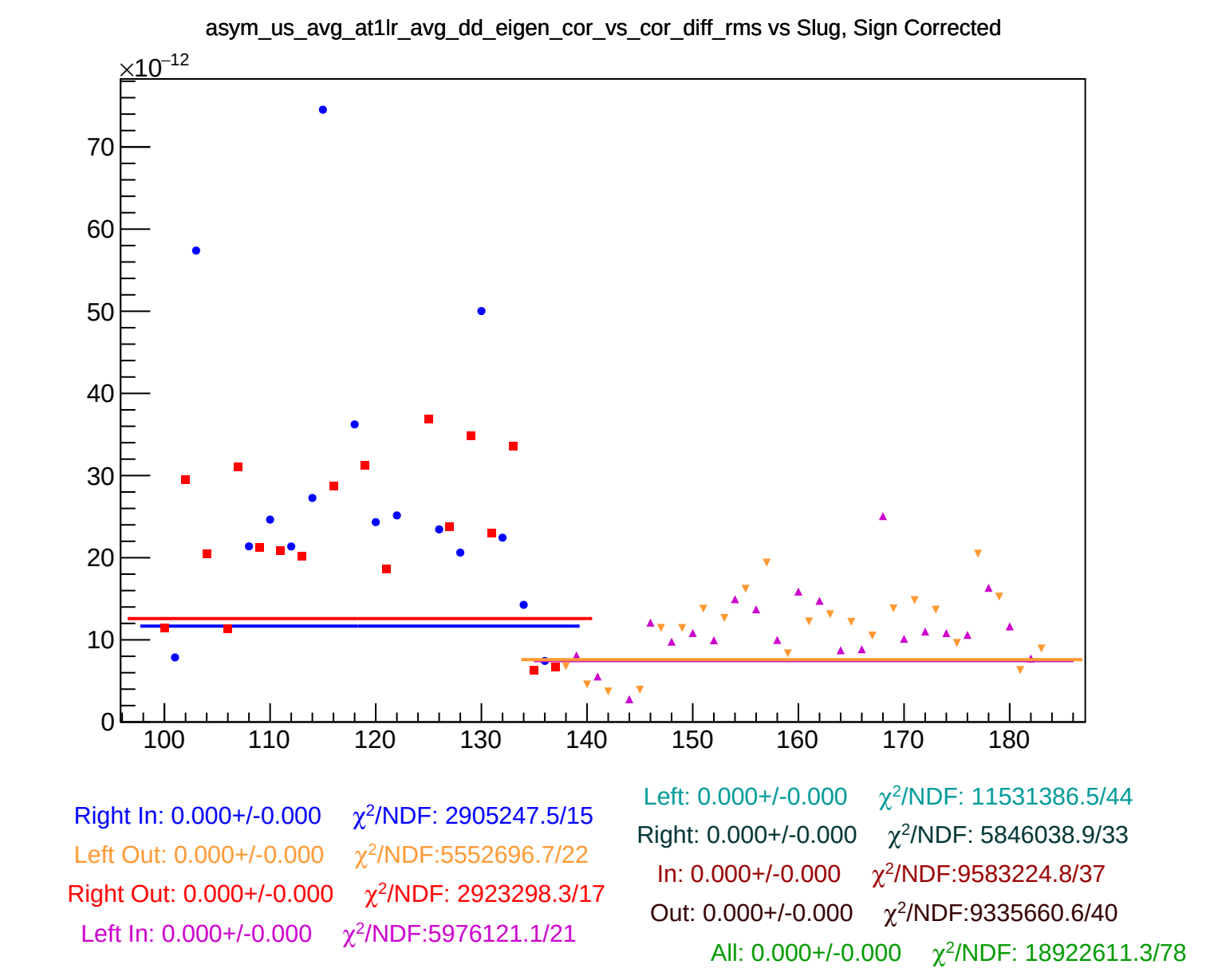
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

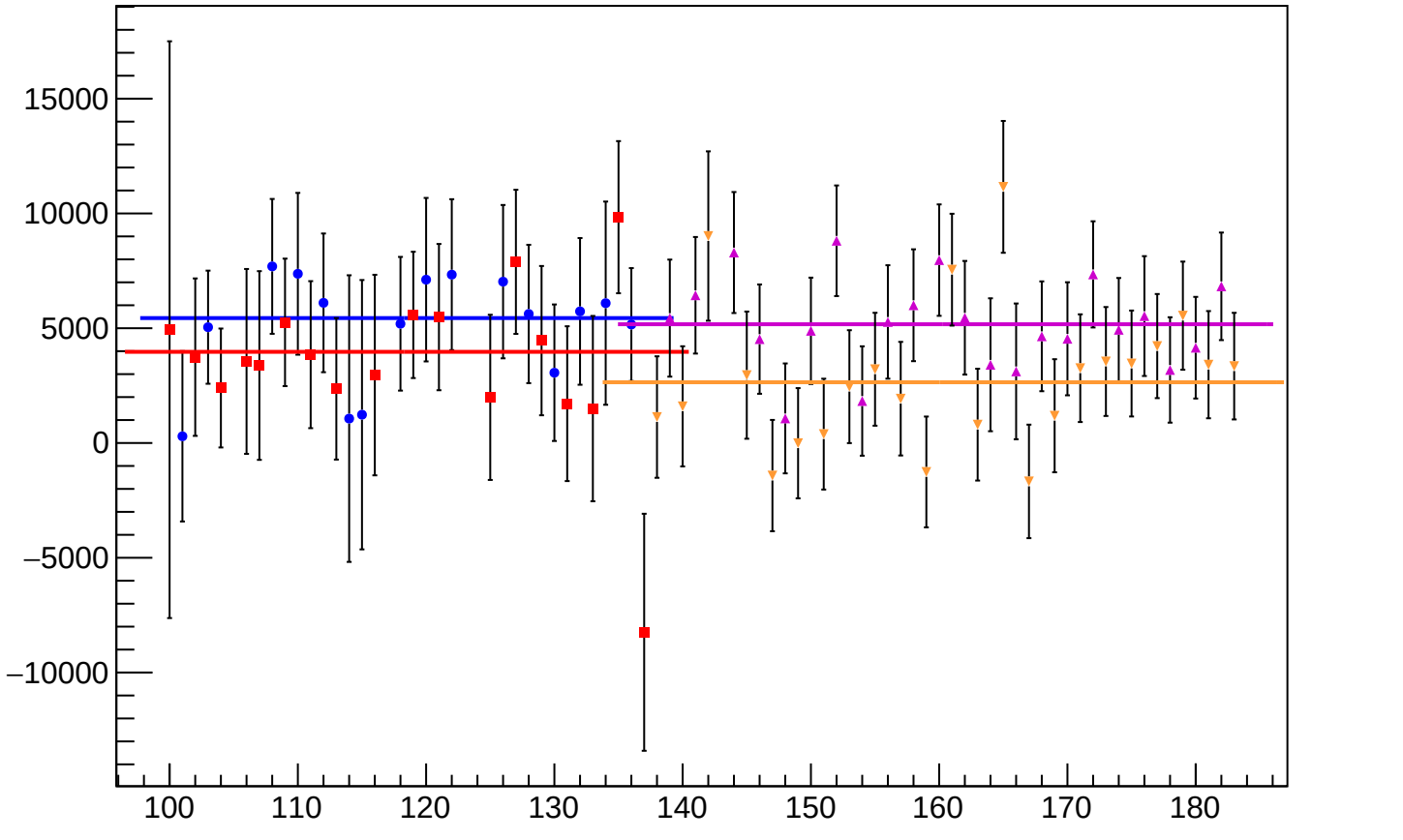
In: 47.435+/-0.007 χ^2/NDF:3016946.9/37

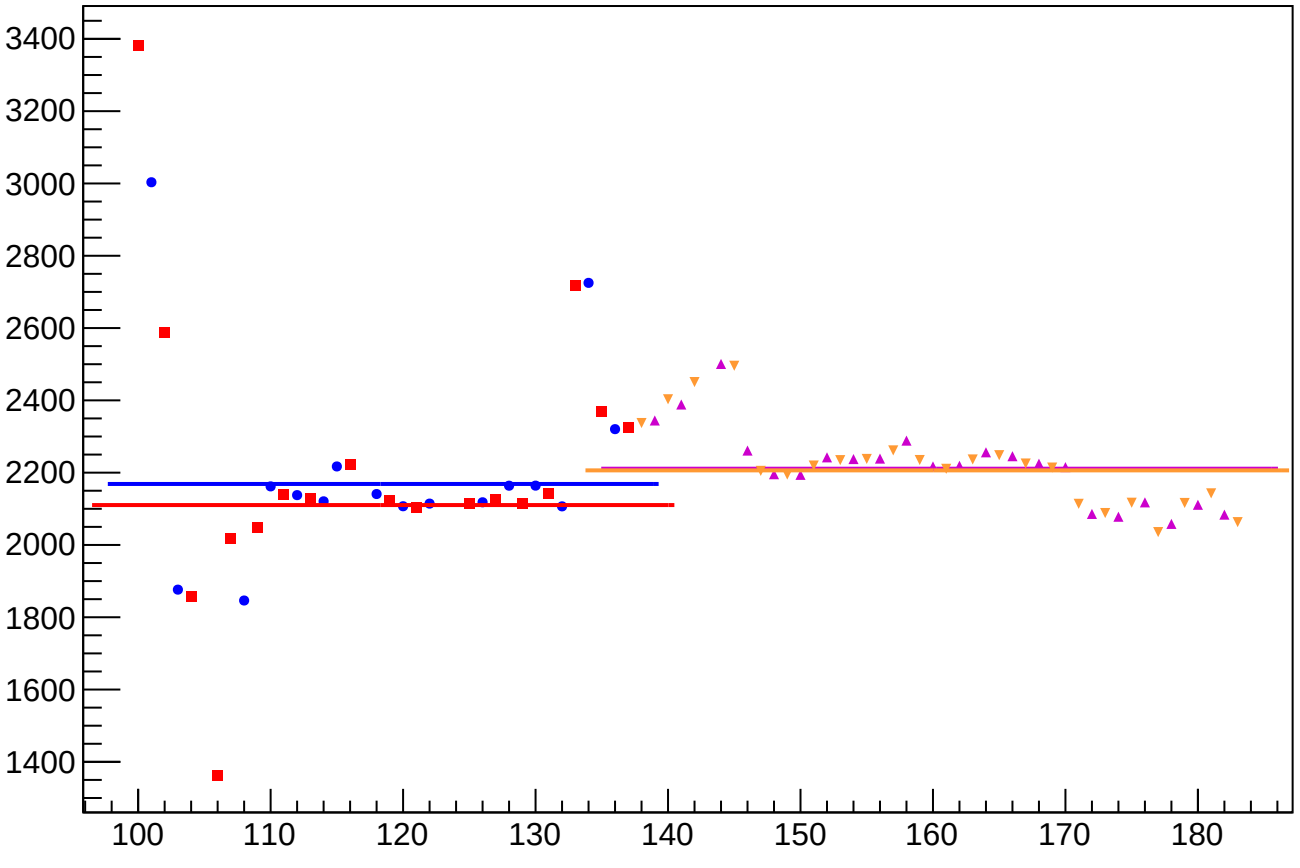
Out: 45.238+/-0.007 χ^2/NDF:3853555.6/40

All: 46.313+/-0.005 χ^2/NDF: 6916186.7/78


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:19.0/22
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: 41.2/44
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:38.2/40
All: -0.000+/-0.000 χ²/NDF: 66.7/78


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:5552696.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:5976121.1/21
Left: 0.000+/-0.000 χ²/NDF: 11531386.5/44
Right: 0.000+/-0.000 χ²/NDF: 5846038.9/33
In: 0.000+/-0.000 χ²/NDF:9583224.8/37
Out: 0.000+/-0.000 χ²/NDF:9335660.6/40
All: 0.000+/-0.000 χ²/NDF: 18922611.3/78


reg_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 5442.336+/-812.534 χ²/NDF: 5.4/15
Left Out: 2645.732+/-516.323 χ²/NDF:30.5/22
Right Out: 3971.728+/-809.023 χ²/NDF: 13.0/17
Left In: 5173.607+/-521.068 χ²/NDF:13.7/21
Left: 3898.107+/-366.762 χ²/NDF: 56.1/44
Right: 4703.849+/-573.303 χ²/NDF: 20.0/33
In: 5251.917+/-438.624 χ²/NDF:19.2/37
Out: 3029.506+/-435.238 χ²/NDF:45.4/40
All: 4132.101+/-308.950 χ²/NDF: 77.5/78



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2206.319+/-0.365 χ^2/NDF:84080.1/22

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: 2208.610+/-0.259 χ^2/NDF: 162534.1/44

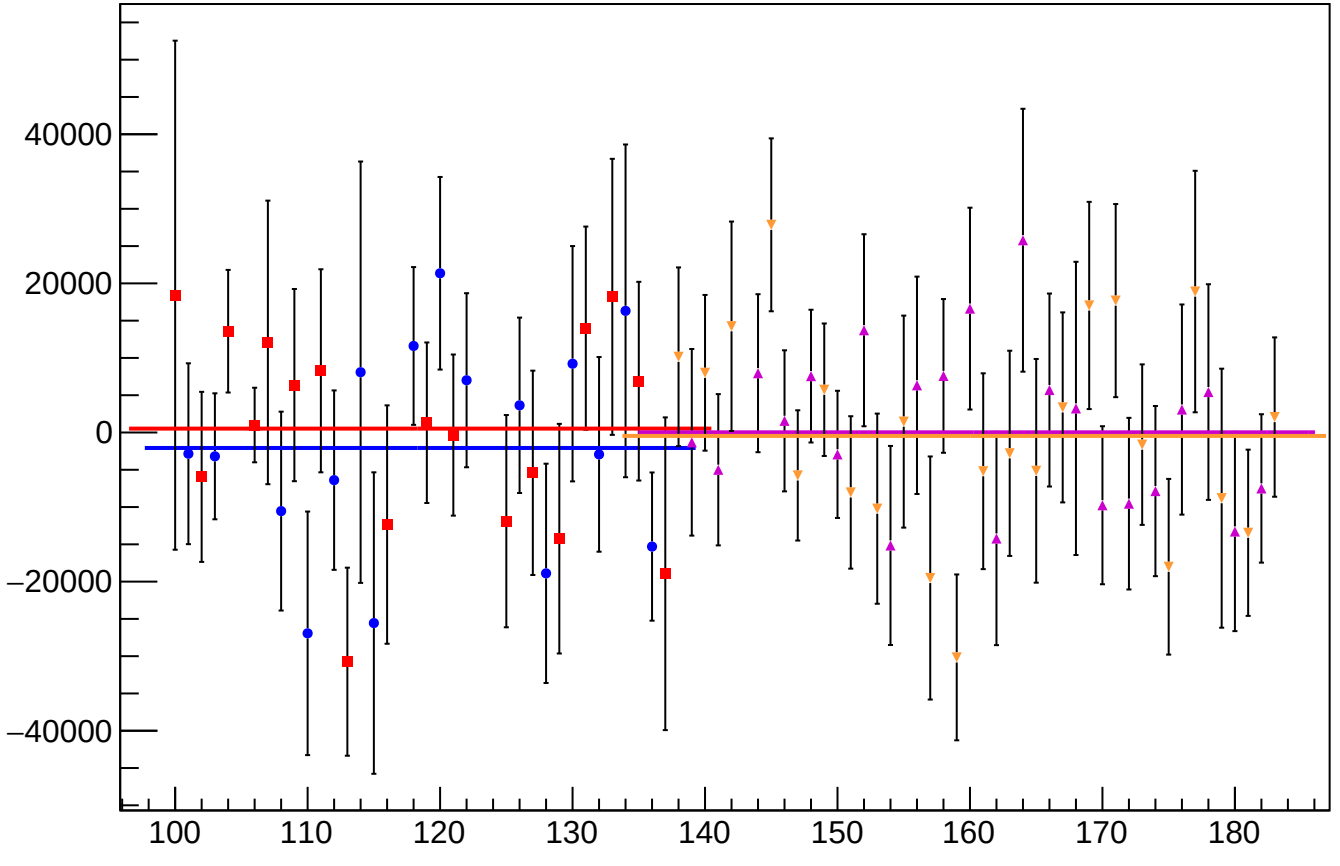
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2198.637+/-0.310 χ^2/NDF:277861.6/37

Out: 2177.911+/-0.306 χ^2/NDF:371942.8/40

All: 2188.145+/-0.218 χ^2/NDF: 652065.0/78

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: -459.590+/-2503.677 χ^2/NDF:28.2/22

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 24.172+/-2499.387 χ^2/NDF:13.4/21

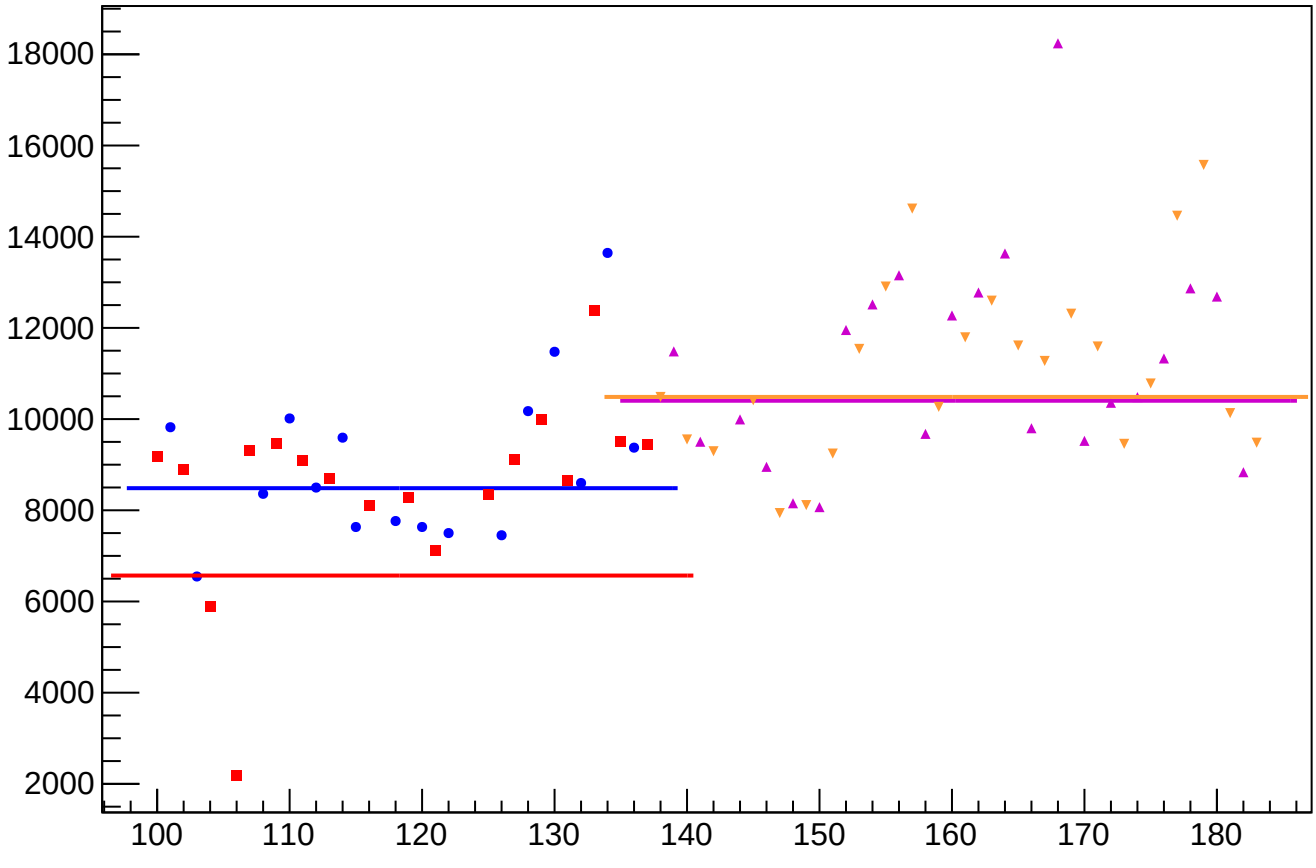
Left: -217.295+/-1768.848 χ^2/NDF: 41.7/44

Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -767.426+/-1972.571 χ^2/NDF:28.1/37

Out: -8.835+/-1840.730 χ^2/NDF:44.0/40

All: -361.934+/-1345.790 χ^2/NDF: 72.2/78



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10486.165+/-1.770 χ^2/NDF:1039732.2/22

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10402.517+/-1.767 χ^2/NDF:1189472.3/21

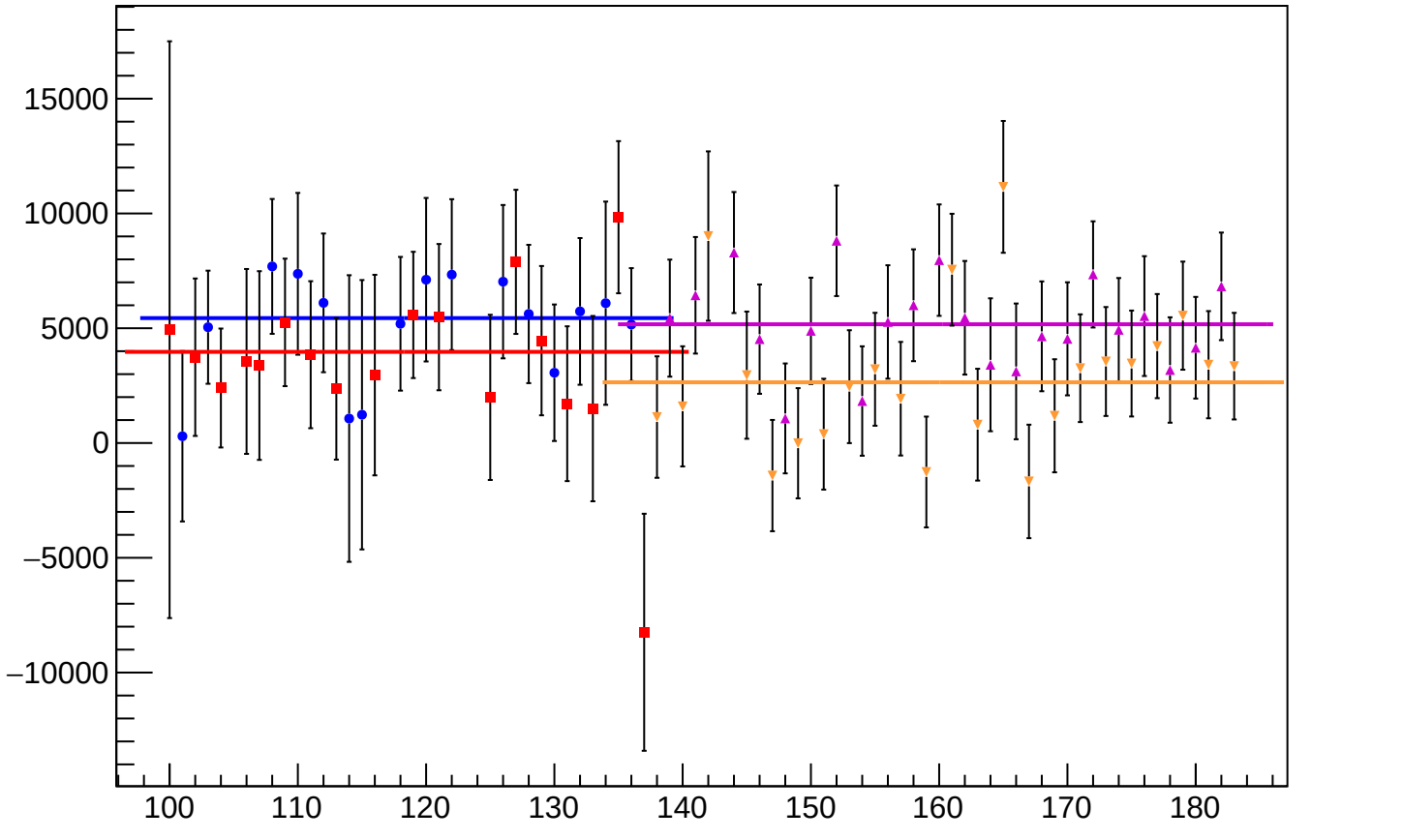
Left: 10444.269+/-1.251 χ^2/NDF: 2230322.6/44

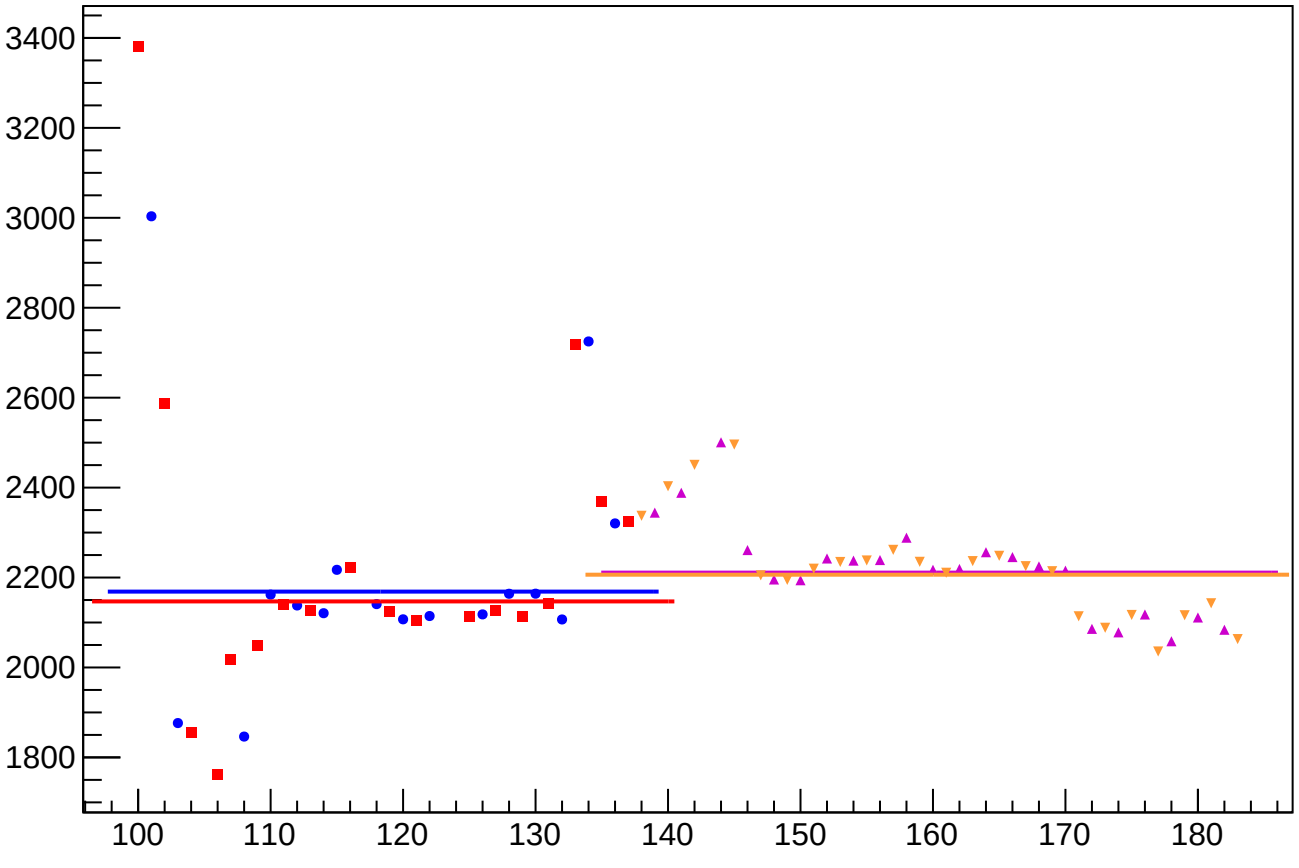
Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9679.367+/-1.395 χ^2/NDF:2056125.2/37

Out: 8686.231+/-1.302 χ^2/NDF:5858368.3/40

All: 9148.503+/-0.952 χ^2/NDF: 8185485.6/78


cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 5442.478+/-812.534 χ²/NDF: 5.4/15
Left Out: 2645.655+/-516.323 χ²/NDF:30.5/22
Right Out: 3971.470+/-809.023 χ²/NDF: 13.0/17
Left In: 5173.519+/-521.068 χ²/NDF:13.7/21
Left: 3898.025+/-366.762 χ²/NDF: 56.1/44
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5251.896+/-438.624 χ²/NDF:19.2/37
Out: 3029.376+/-435.238 χ²/NDF:45.4/40
All: 4132.025+/-308.950 χ²/NDF: 77.5/78



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2206.319+/-0.365 χ^2/NDF:84080.0/22

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: 2208.610+/-0.259 χ^2/NDF: 162534.0/44

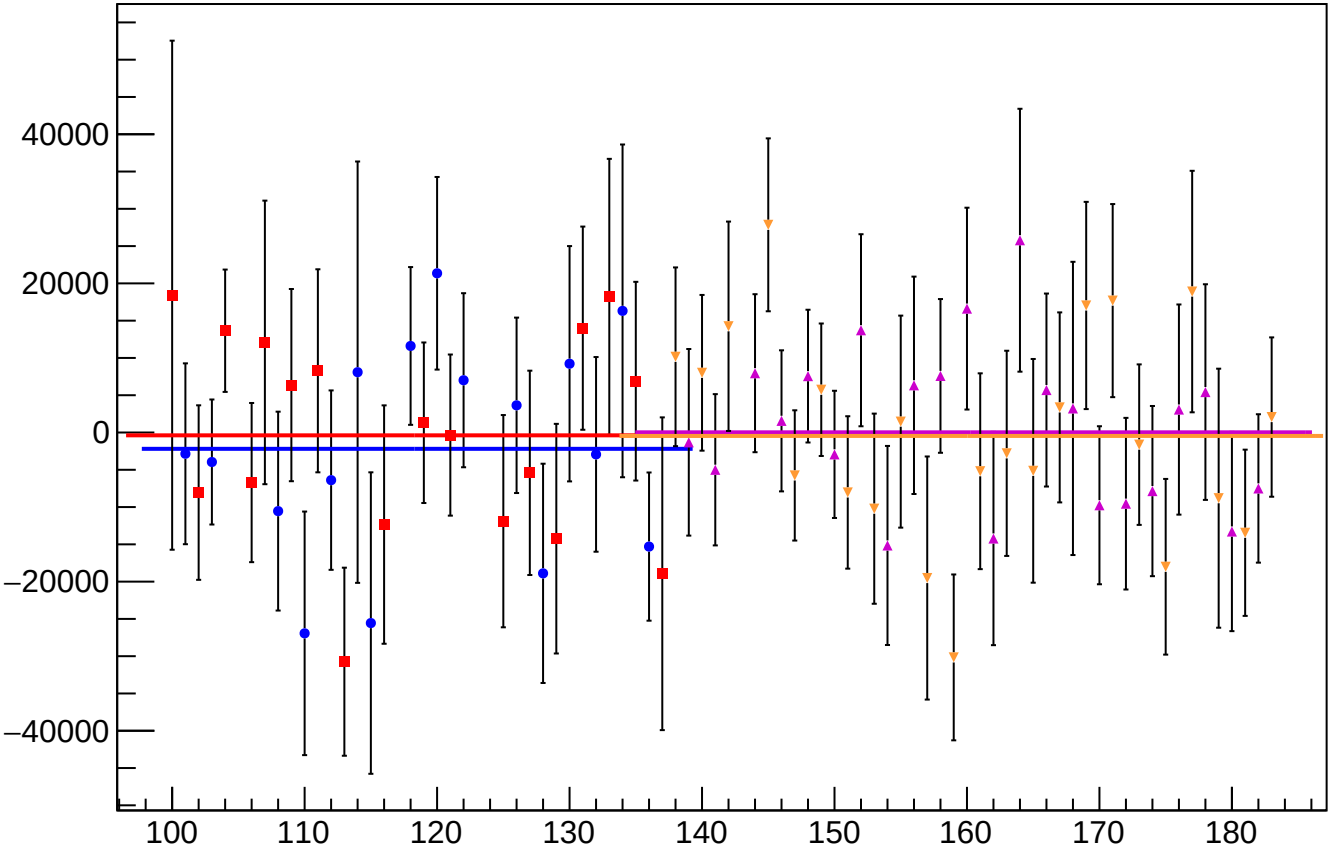
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2198.637+/-0.310 χ^2/NDF:277862.0/37

Out: 2188.996+/-0.307 χ^2/NDF:249554.2/40

All: 2193.772+/-0.218 χ^2/NDF: 527903.8/78

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -459.567+/-2503.677 χ^2/NDF:28.2/22

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: -217.245+/-1768.848 χ^2/NDF: 41.7/44

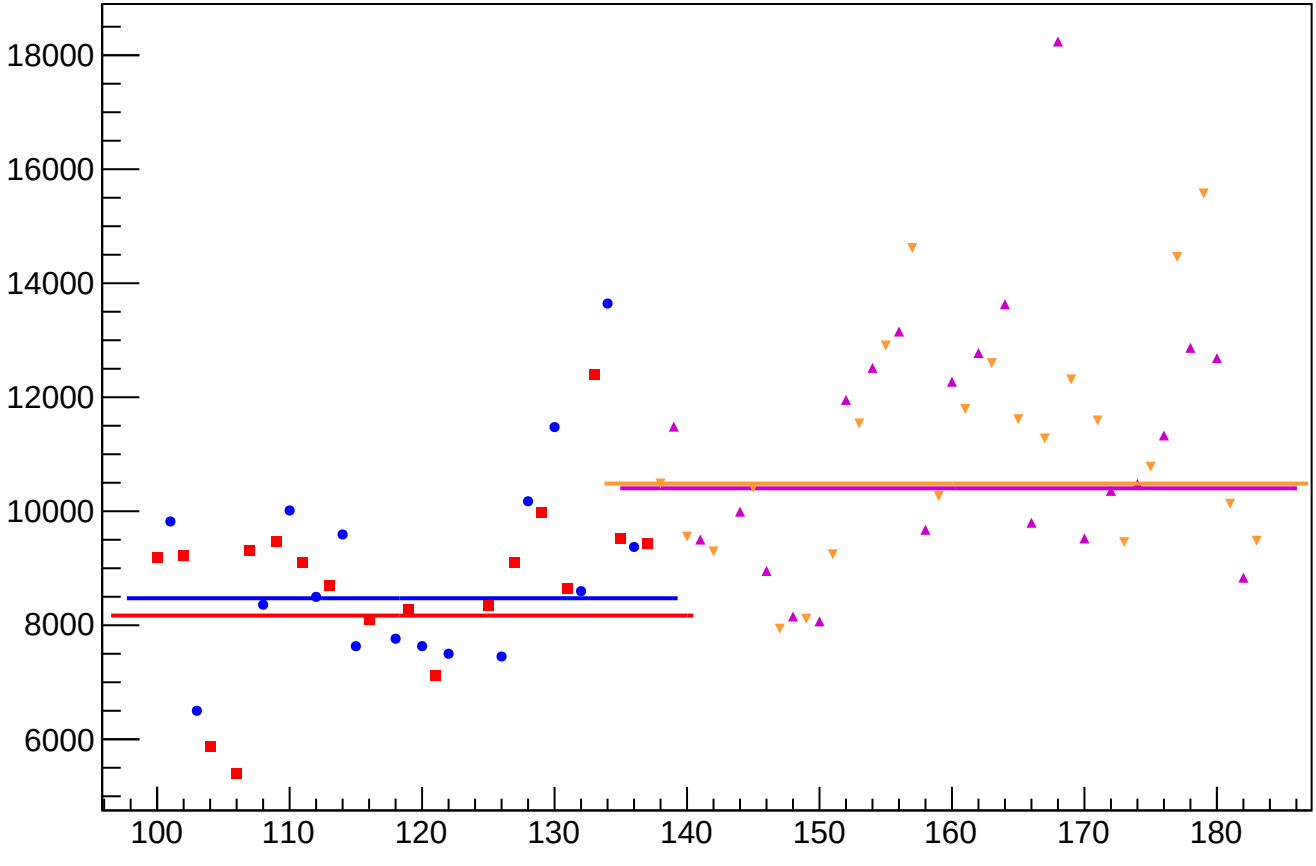
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -811.684+/-1971.743 χ^2/NDF:28.2/37

Out: -427.854+/-1947.754 χ^2/NDF:44.5/40

All: -617.420+/-1385.674 χ^2/NDF: 72.7/78

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: 10486.163+/-1.770 χ^2/NDF:1039734.1/22

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10402.510+/-1.767 χ^2/NDF:1189476.0/21

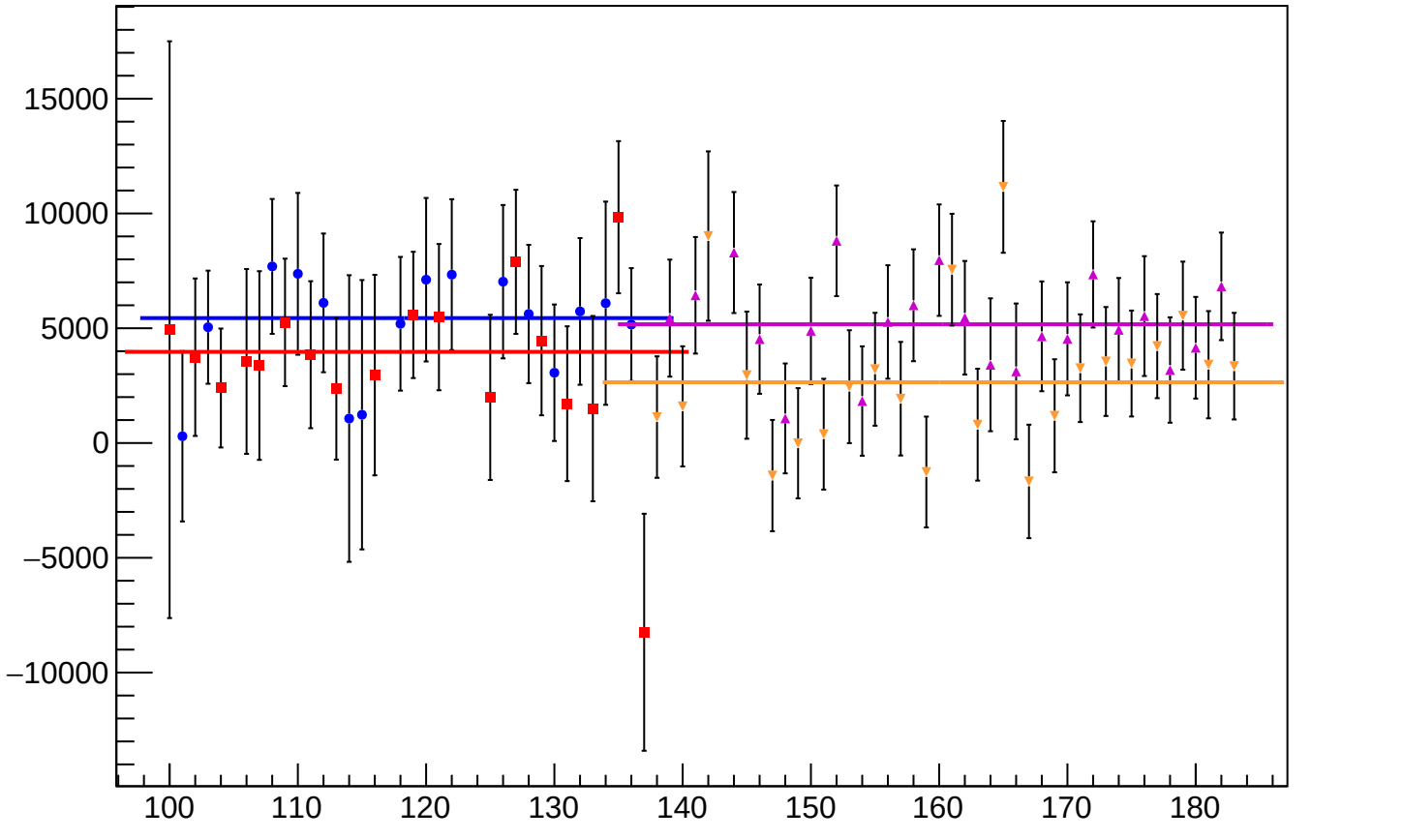
Left: 10444.265+/-1.251 χ^2/NDF: 2230328.4/44

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9674.110+/-1.394 χ^2/NDF:2068817.1/37

Out: 9571.794+/-1.377 χ^2/NDF:2255368.5/40

All: 9622.326+/-0.980 χ^2/NDF: 4326911.3/78



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2645.655+/-516.323 χ^2/NDF:30.5/22

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5173.519+/-521.068 χ^2/NDF:13.7/21

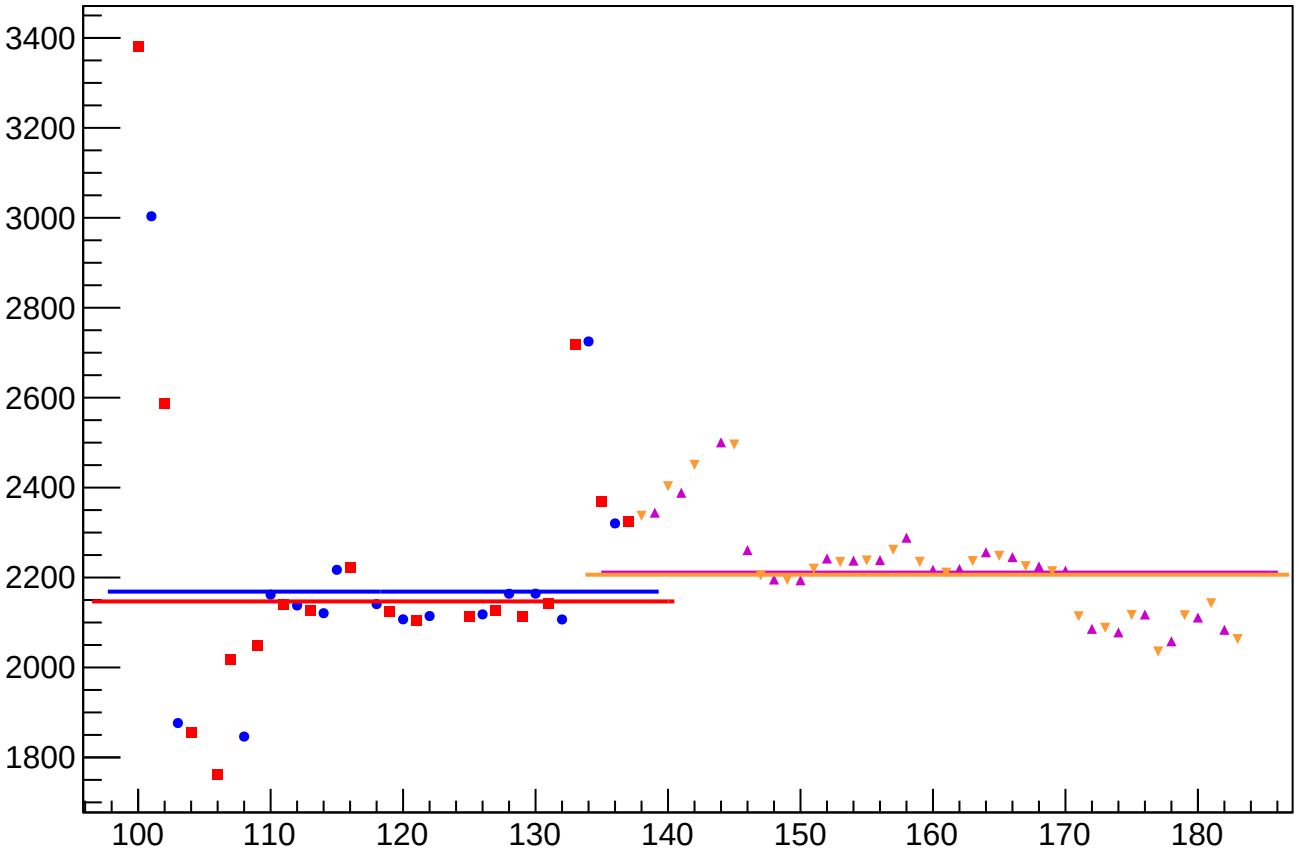
Left: 3898.025+/-366.762 χ^2/NDF: 56.1/44

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5251.896+/-438.624 χ^2/NDF:19.2/37

Out: 3029.376+/-435.238 χ^2/NDF:45.4/40

All: 4132.025+/-308.950 χ^2/NDF: 77.5/78



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2206.319+/-0.365 χ^2/NDF:84080.0/22

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: 2208.610+/-0.259 χ^2/NDF: 162534.0/44

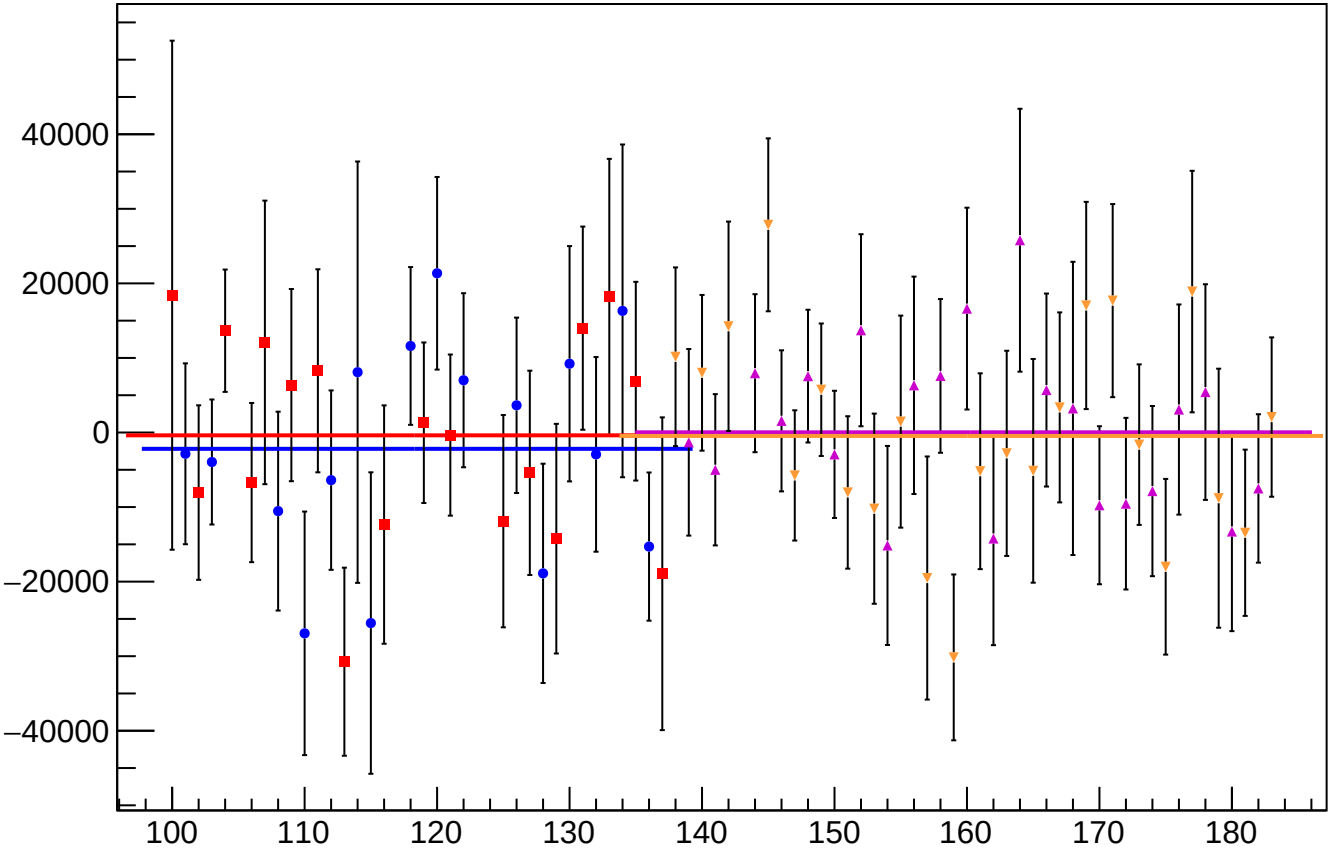
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2198.637+/-0.310 χ^2/NDF:277862.0/37

Out: 2188.996+/-0.307 χ^2/NDF:249554.2/40

All: 2193.772+/-0.218 χ^2/NDF: 527903.8/78

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: -459.567+/-2503.677 χ^2/NDF:28.2/22

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 24.246+/-2499.385 χ^2/NDF:13.4/21

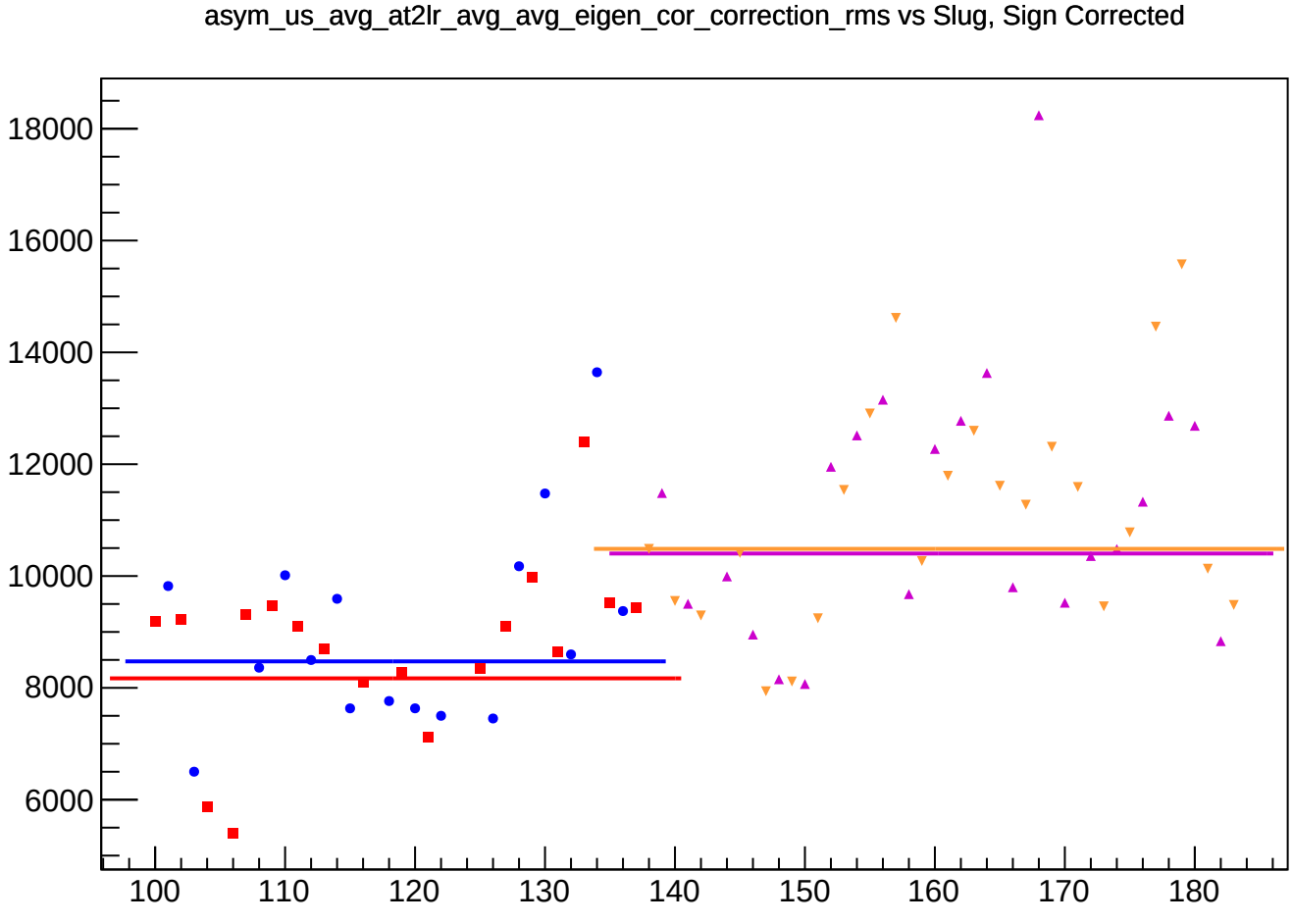
Left: -217.245+/-1768.848 χ^2/NDF: 41.7/44

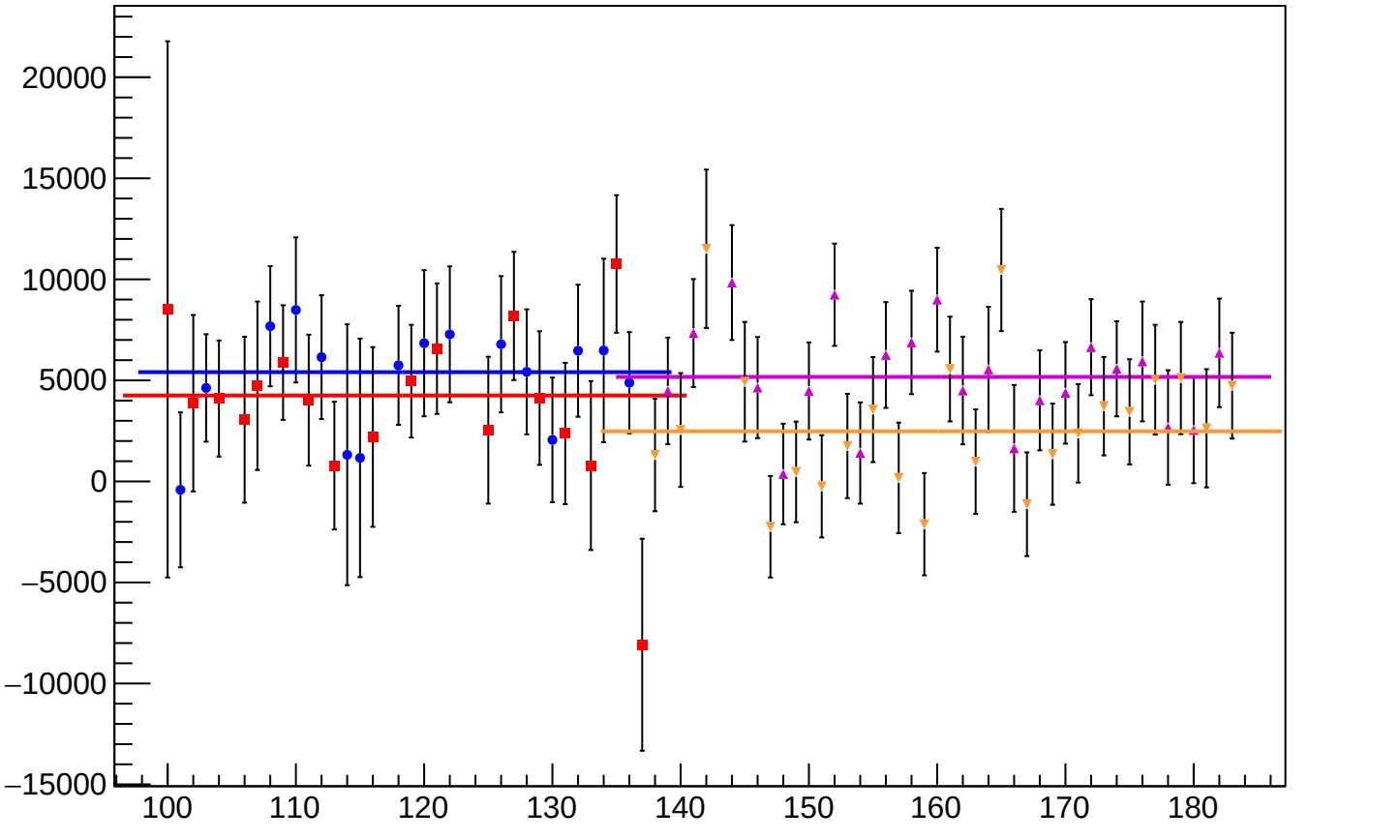
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -811.684+/-1971.743 χ^2/NDF:28.2/37

Out: -427.854+/-1947.754 χ^2/NDF:44.5/40

All: -617.420+/-1385.674 χ^2/NDF: 72.7/78


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 8473.743+/-2.269 χ²/NDF: 429547.3/15
Left Out: 10486.163+/-1.770 χ²/NDF:1039734.1/22
Right Out: 8170.027+/-2.192 χ²/NDF: 539925.8/17
Left In: 10402.510+/-1.767 χ²/NDF:1189476.0/21
Left: 10444.265+/-1.251 χ²/NDF: 2230328.4/44
Right: 8316.660+/-1.576 χ²/NDF: 978741.7/33
In: 9674.110+/-1.394 χ²/NDF:2068817.1/37
Out: 9571.794+/-1.377 χ²/NDF:2255368.5/40
All: 9622.326+/-0.980 χ²/NDF: 4326911.3/78



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2479.463+/-556.316 χ^2/NDF:29.6/22

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: 3822.000+/-393.838 χ^2/NDF: 60.4/44

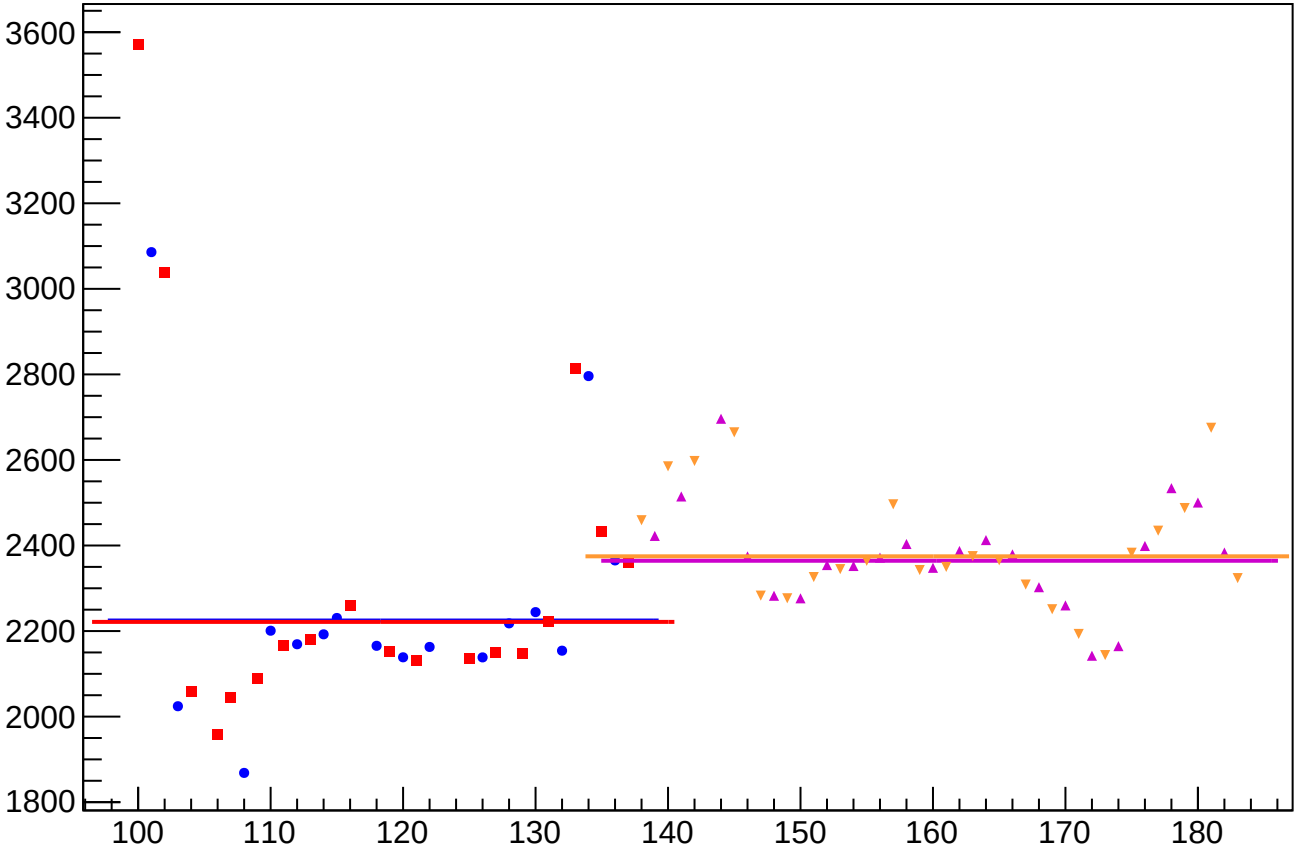
Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5244.134+/-463.503 χ^2/NDF:25.9/37

Out: 3019.840+/-463.707 χ^2/NDF:47.2/40

All: 4132.477+/-327.818 χ^2/NDF: 84.6/78

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2374.718+/-0.393 χ^2/NDF:111384.7/22

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: 2369.553+/-0.278 χ^2/NDF: 201984.6/44

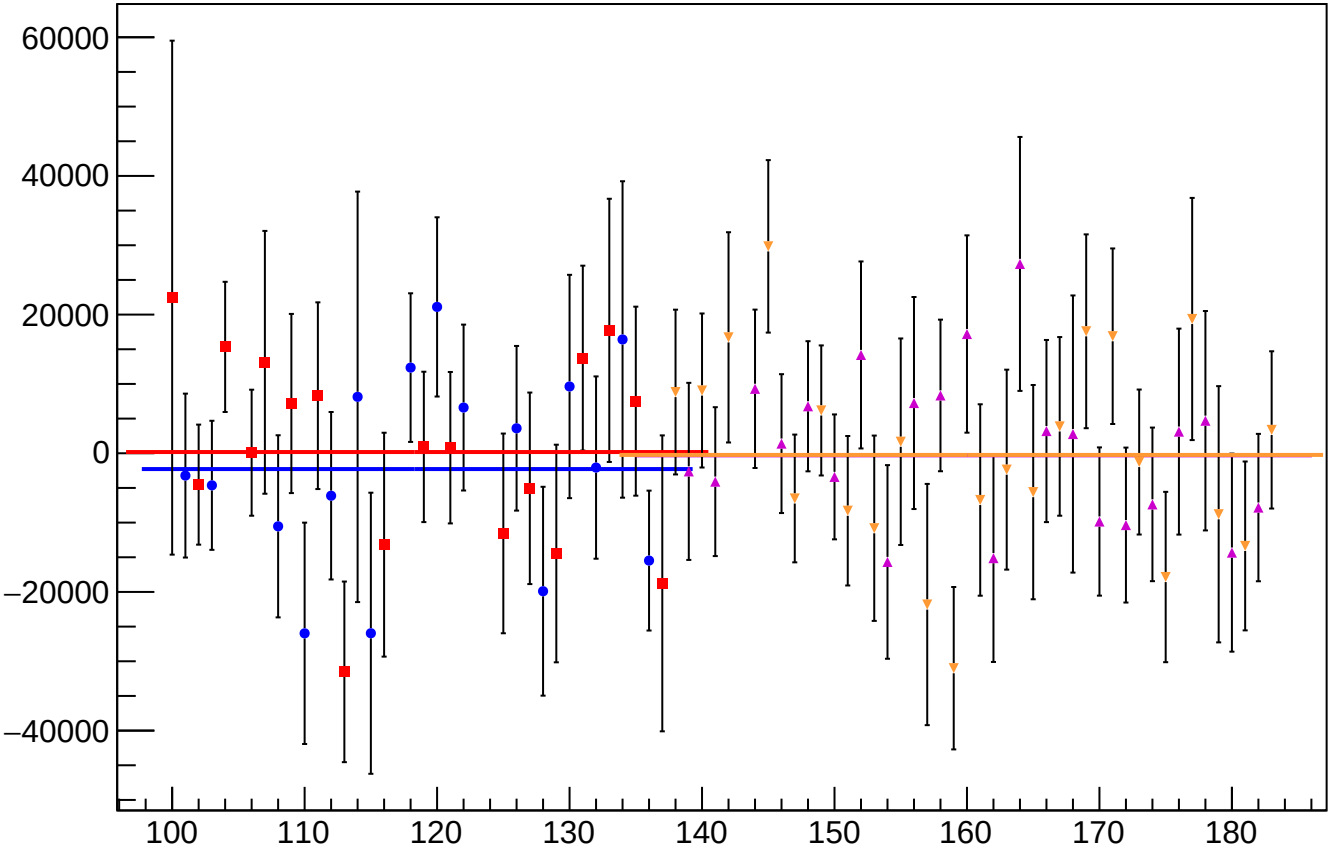
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2321.167+/-0.328 χ^2/NDF:313761.3/37

Out: 2327.890+/-0.328 χ^2/NDF:327718.7/40

All: 2324.527+/-0.232 χ^2/NDF: 641690.3/78

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -239.316+/-2611.902 χ^2/NDF:27.7/22

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -301.275+/-2605.916 χ^2/NDF:13.3/21

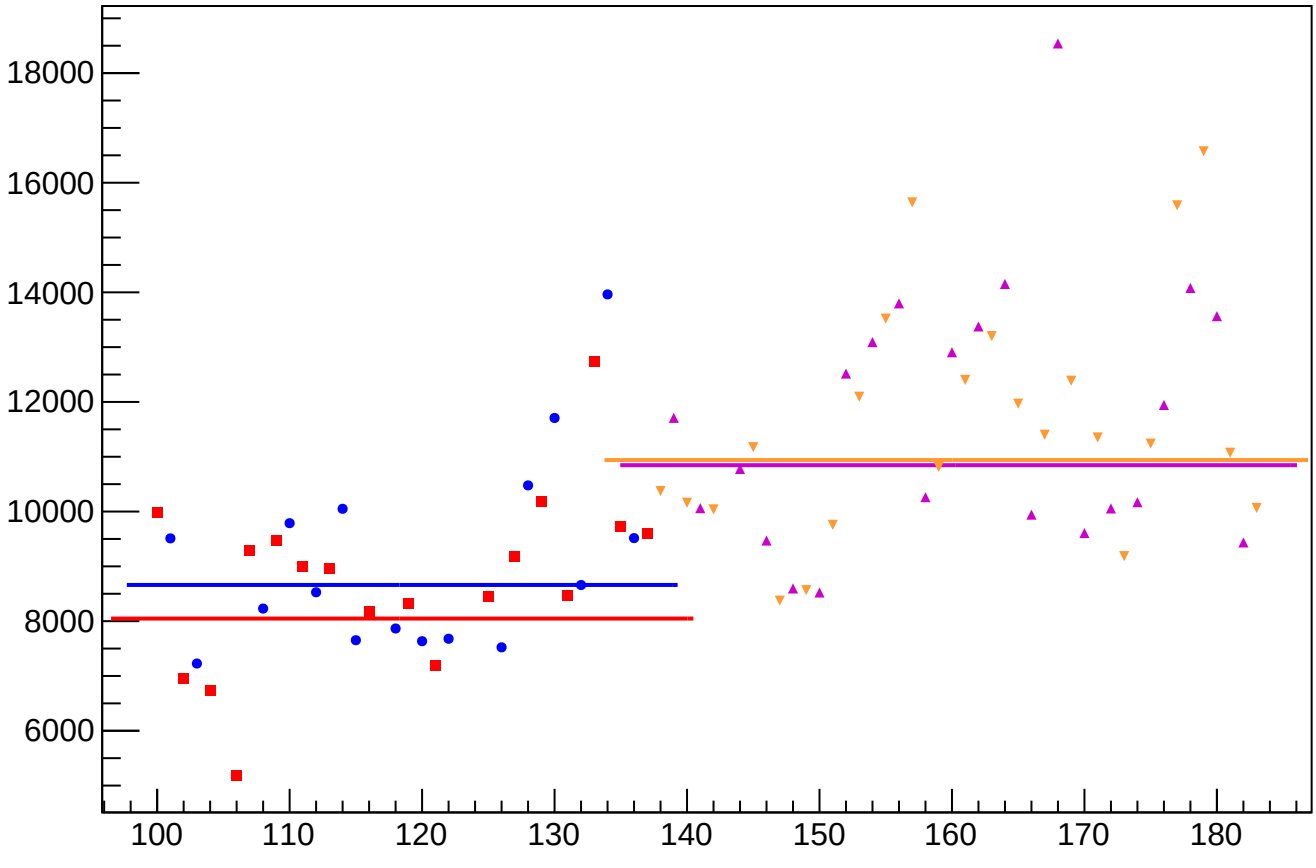
Left: -270.366+/-1844.773 χ^2/NDF: 41.0/44

Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -1068.718+/-2038.364 χ^2/NDF:28.0/37

Out: -62.190+/-1979.823 χ^2/NDF:43.3/40

All: -550.793+/-1420.191 χ^2/NDF: 71.5/78



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10939.706+/-1.847 χ^2/NDF:1054445.2/22

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10846.148+/-1.843 χ^2/NDF:1184860.3/21

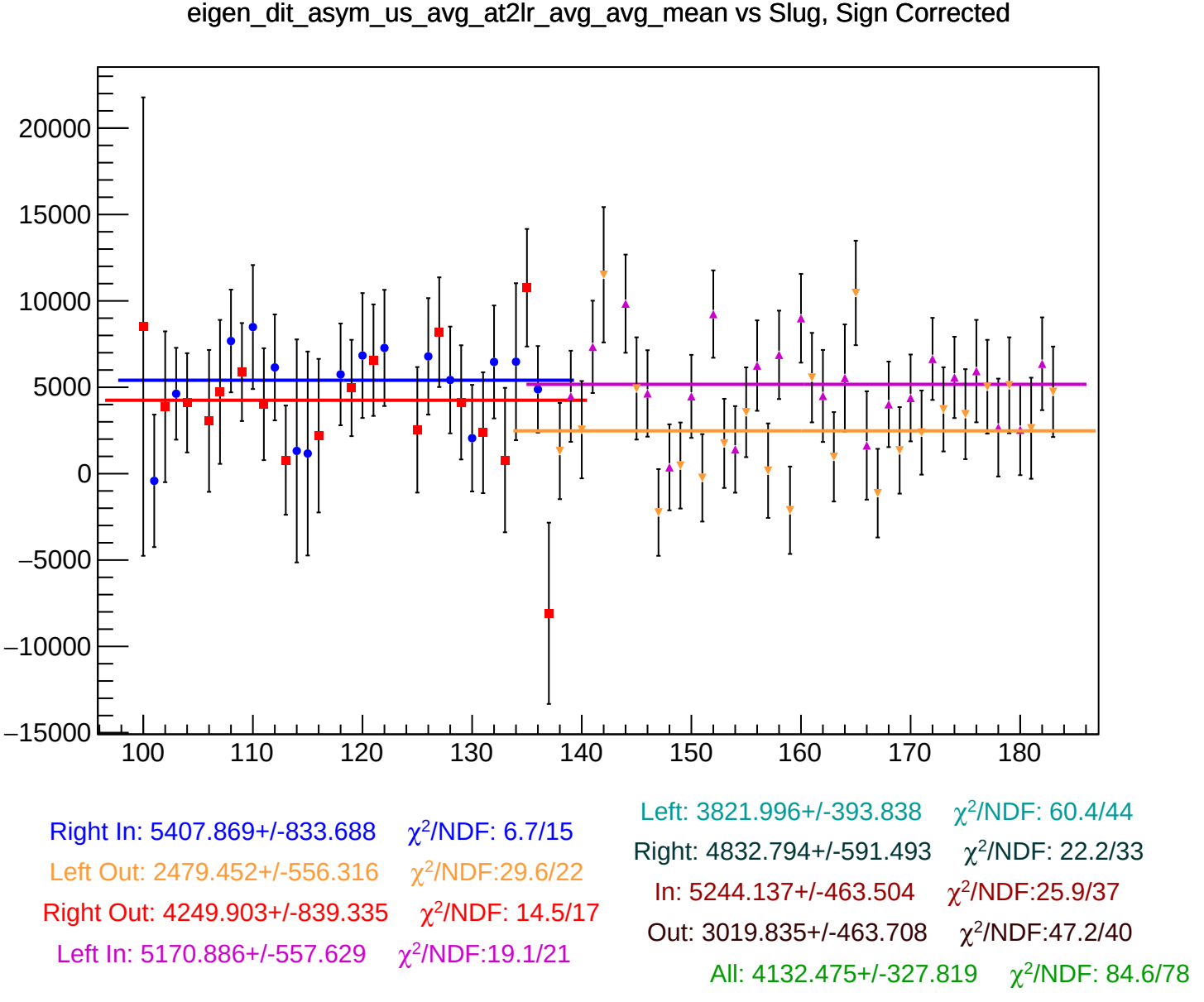
Left: 10892.819+/-1.304 χ^2/NDF: 2240591.5/44

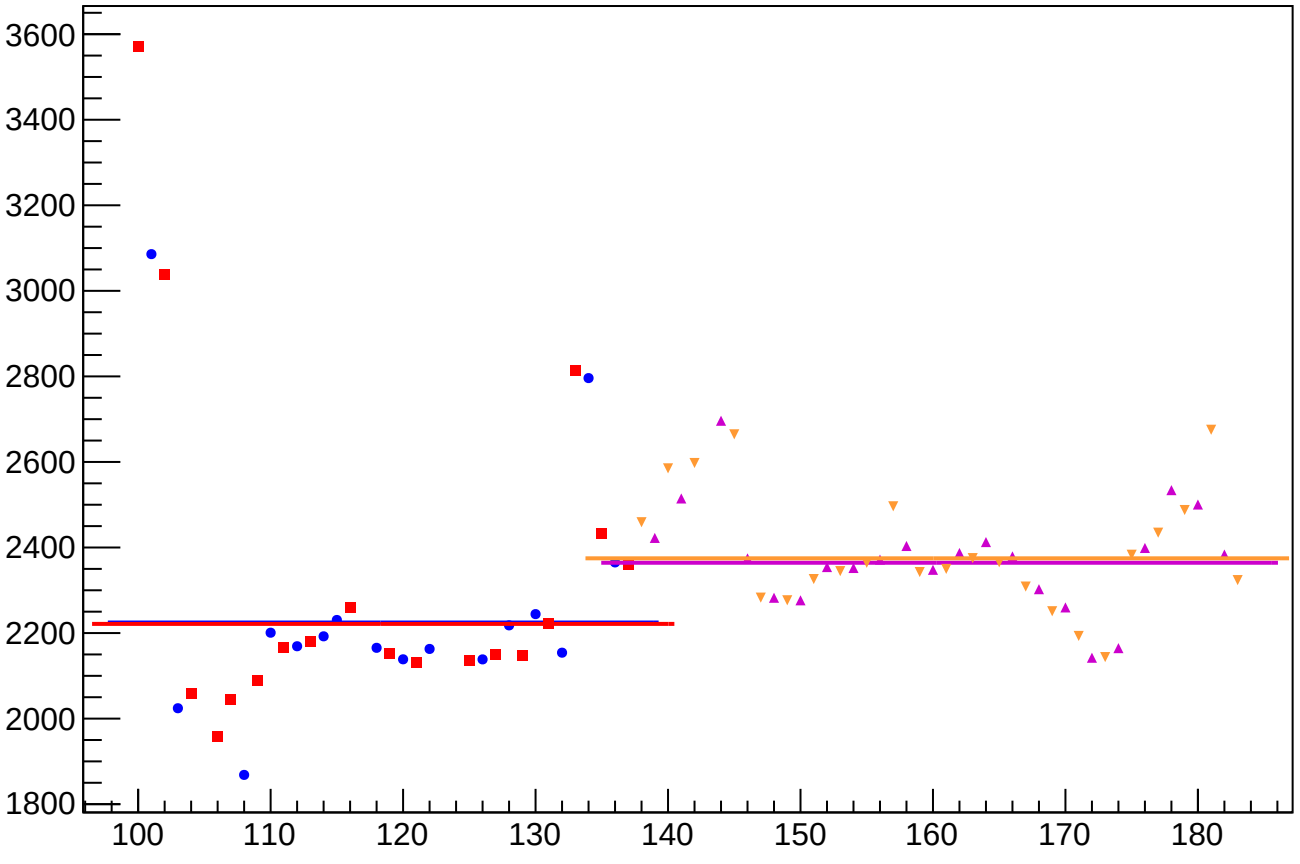
Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9997.872+/-1.441 χ^2/NDF:2088806.8/37

Out: 9709.242+/-1.400 χ^2/NDF:2656331.2/40

All: 9849.353+/-1.004 χ^2/NDF: 4765772.3/78


eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 5407.869+/-833.688 χ²/NDF: 6.7/15
Left Out: 2479.452+/-556.316 χ²/NDF:29.6/22
Right Out: 4249.903+/-839.335 χ²/NDF: 14.5/17
Left In: 5170.886+/-557.629 χ²/NDF:19.1/21
Left: 3821.996+/-393.838 χ²/NDF: 60.4/44
Right: 4832.794+/-591.493 χ²/NDF: 22.2/33
In: 5244.137+/-463.504 χ²/NDF:25.9/37
Out: 3019.835+/-463.708 χ²/NDF:47.2/40
All: 4132.475+/-327.819 χ²/NDF: 84.6/78



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2374.722+/-0.393 χ^2/NDF:111389.2/22

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: 2369.556+/-0.278 χ^2/NDF: 201993.6/44

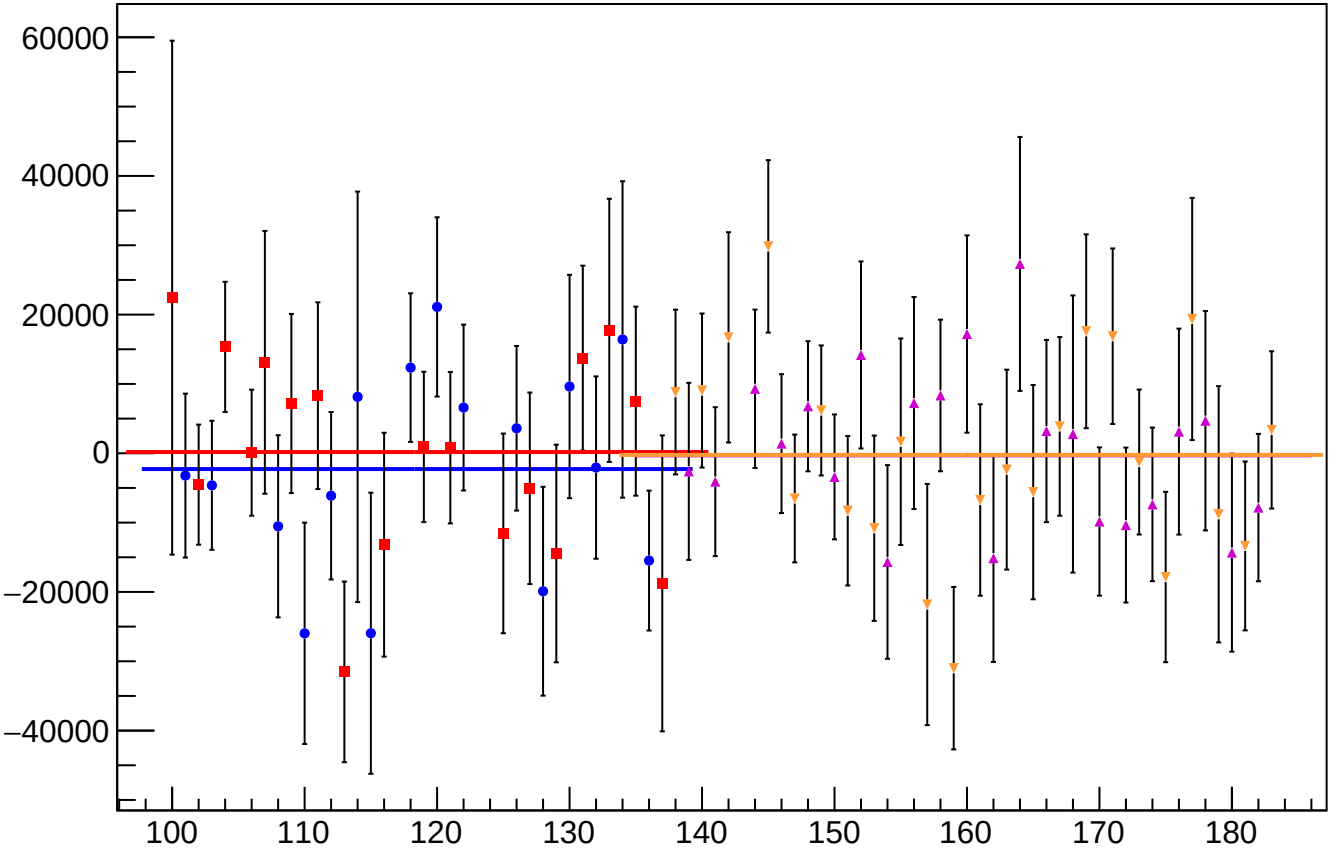
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2321.169+/-0.328 χ^2/NDF:313768.3/37

Out: 2327.892+/-0.328 χ^2/NDF:327725.5/40

All: 2324.529+/-0.232 χ^2/NDF: 641704.2/78

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: -239.323+/-2611.906 χ^2/NDF:27.7/22

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -301.277+/-2605.920 χ^2/NDF:13.3/21

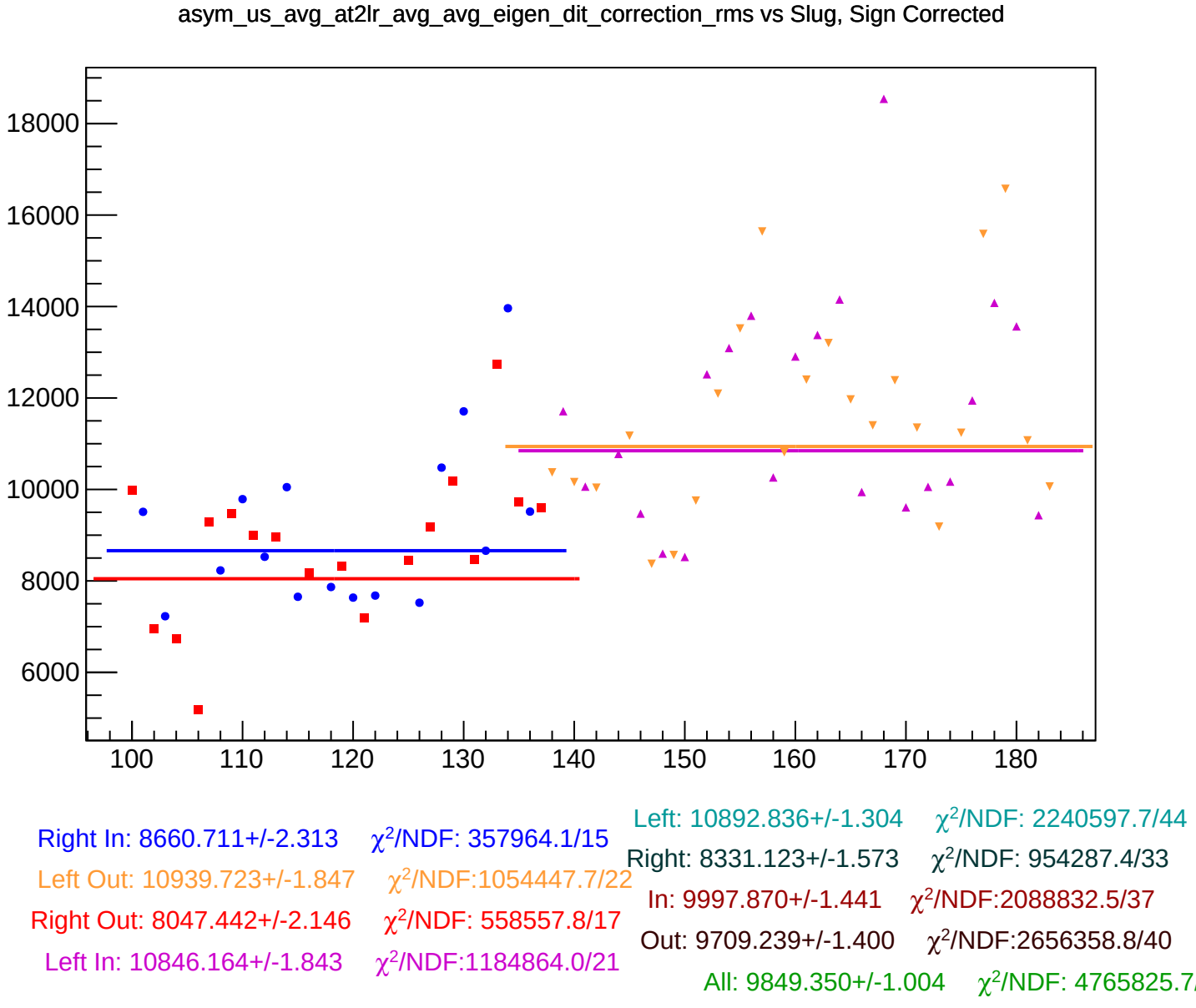
Left: -270.371+/-1844.776 χ^2/NDF: 41.0/44

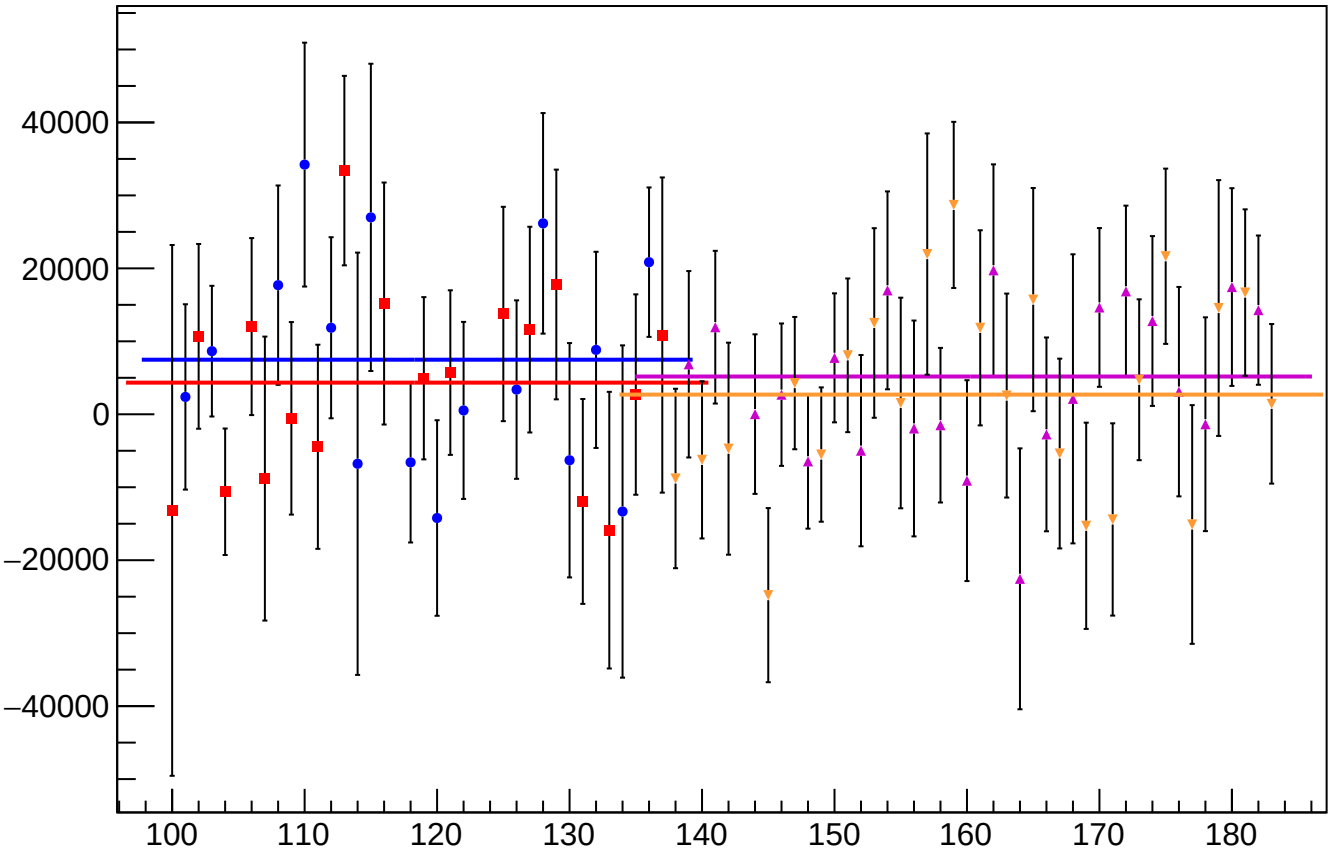
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -1068.714+/-2038.364 χ^2/NDF:28.0/37

Out: -62.191+/-1979.823 χ^2/NDF:43.3/40

All: -550.792+/-1420.191 χ^2/NDF: 71.5/78


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: 10939.723+/-1.847 χ²/NDF:1054447.7/22
Right Out: 8047.442+/-2.146 χ²/NDF: 558557.8/17
Left In: 10846.164+/-1.843 χ²/NDF:1184864.0/21
Left: 10892.836+/-1.304 χ²/NDF: 2240597.7/44
Right: 8331.123+/-1.573 χ²/NDF: 954287.4/33
In: 9997.870+/-1.441 χ²/NDF:2088832.5/37
Out: 9709.239+/-1.400 χ²/NDF:2656358.8/40
All: 9849.350+/-1.004 χ²/NDF: 4765825.7/78



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2699.004+/-2565.707 χ^2/NDF:25.9/22

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 5177.236+/-2561.781 χ^2/NDF:13.3/21

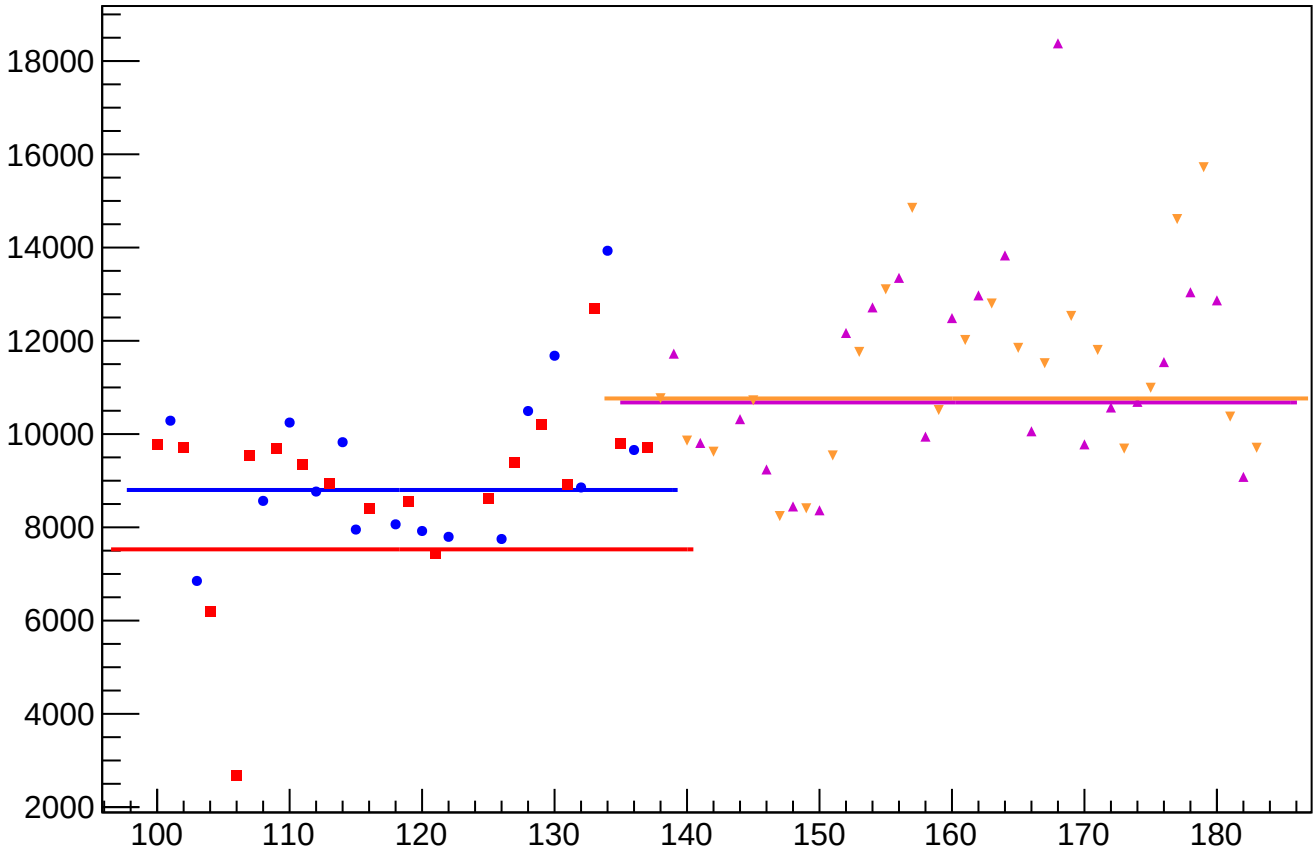
Left: 3940.018+/-1812.839 χ^2/NDF: 39.6/44

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 6033.746+/-2030.665 χ^2/NDF:27.6/37

Out: 3330.114+/-2012.045 χ^2/NDF:40.4/40

All: 4669.478+/-1429.268 χ^2/NDF: 68.9/78



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10763.981+/-1.814 χ^2/NDF:958659.3/22

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10678.843+/-1.811 χ^2/NDF:1099777.9/21

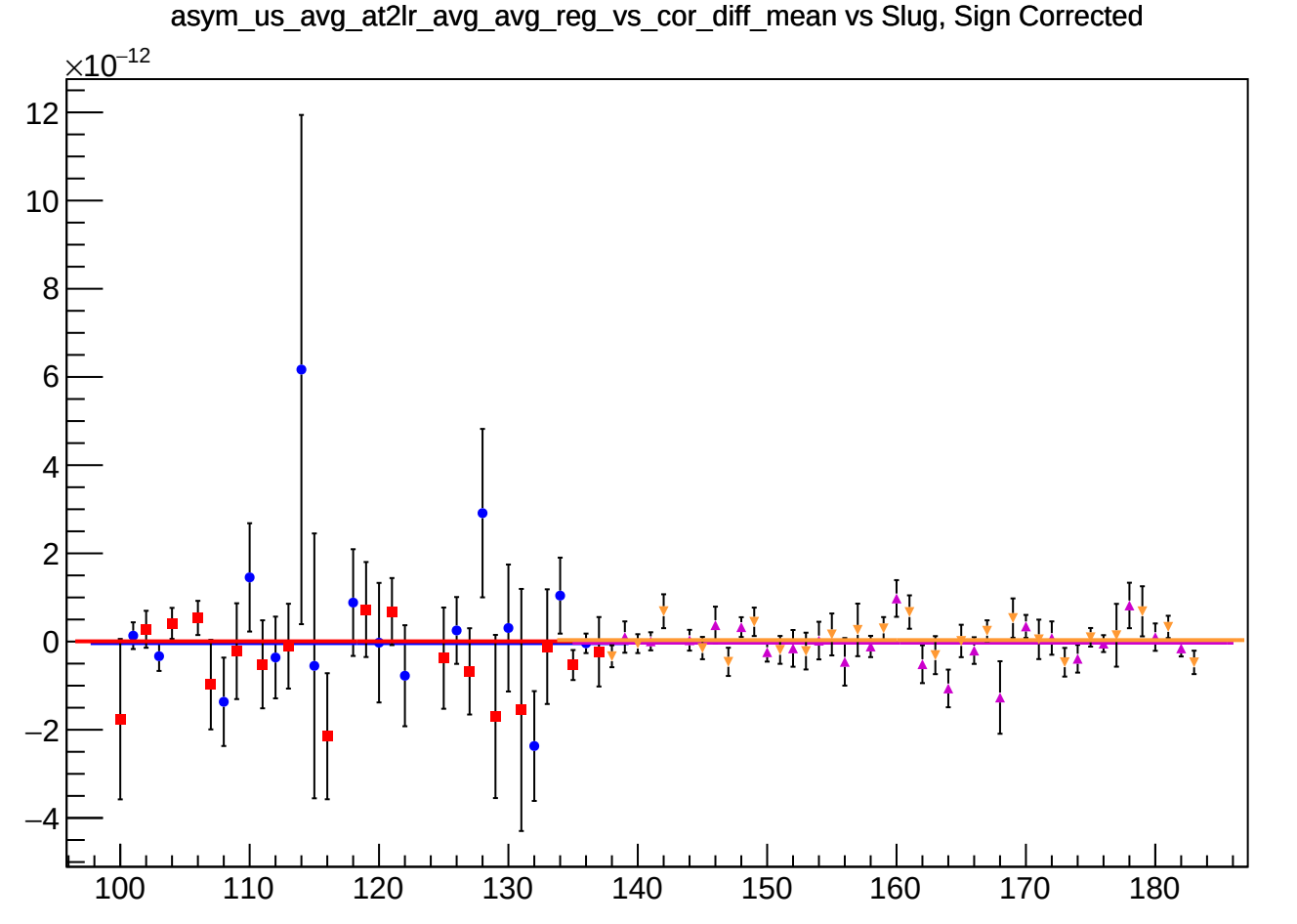
Left: 10721.347+/-1.282 χ^2/NDF: 2059540.0/44

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9980.936+/-1.436 χ^2/NDF:1893732.7/37

Out: 9402.085+/-1.381 χ^2/NDF:3954994.5/40

All: 9680.168+/-0.995 χ^2/NDF: 5933168.4/78



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:27.9/21

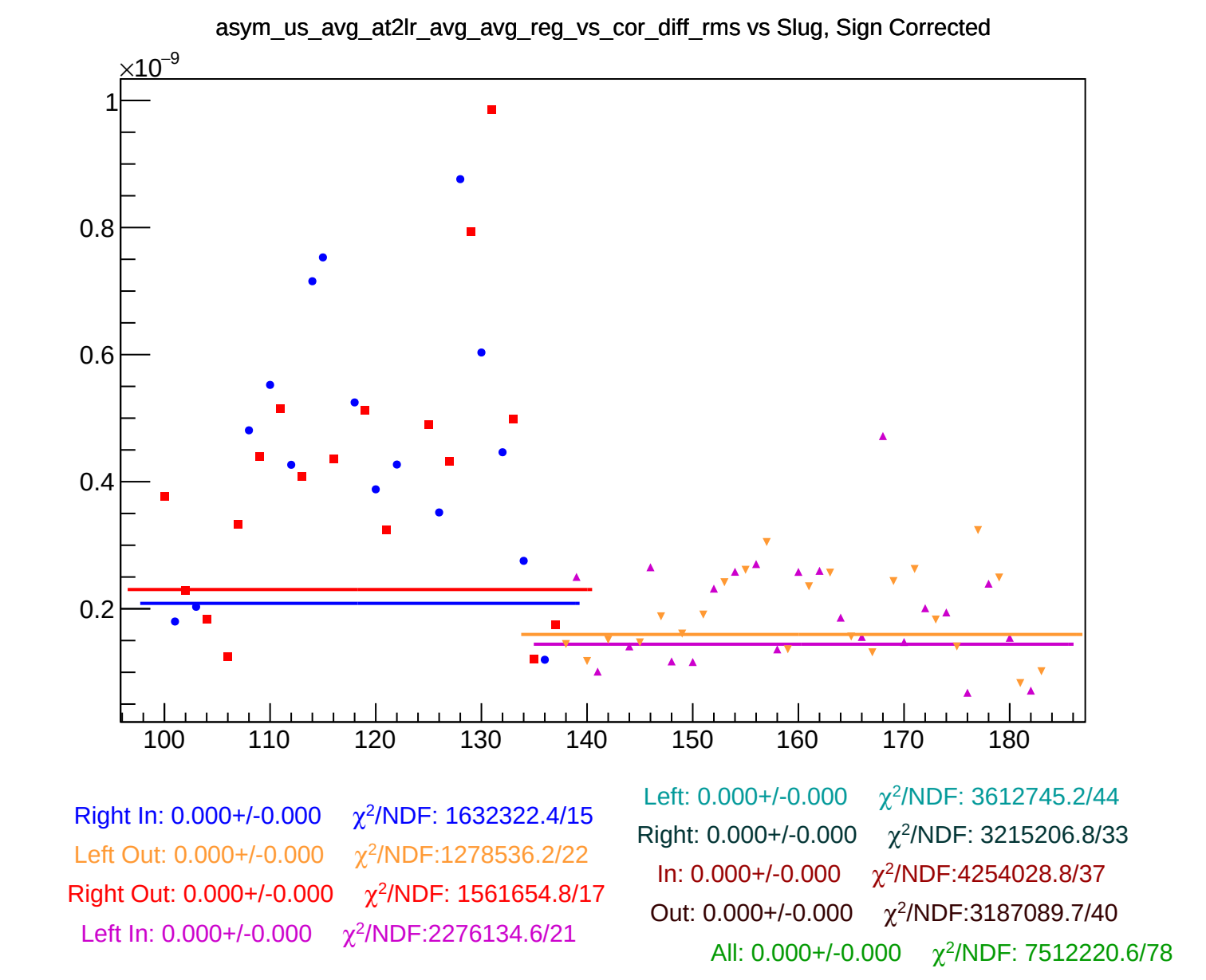
Left: 0.000+/-0.000 χ^2/NDF: 54.6/44

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

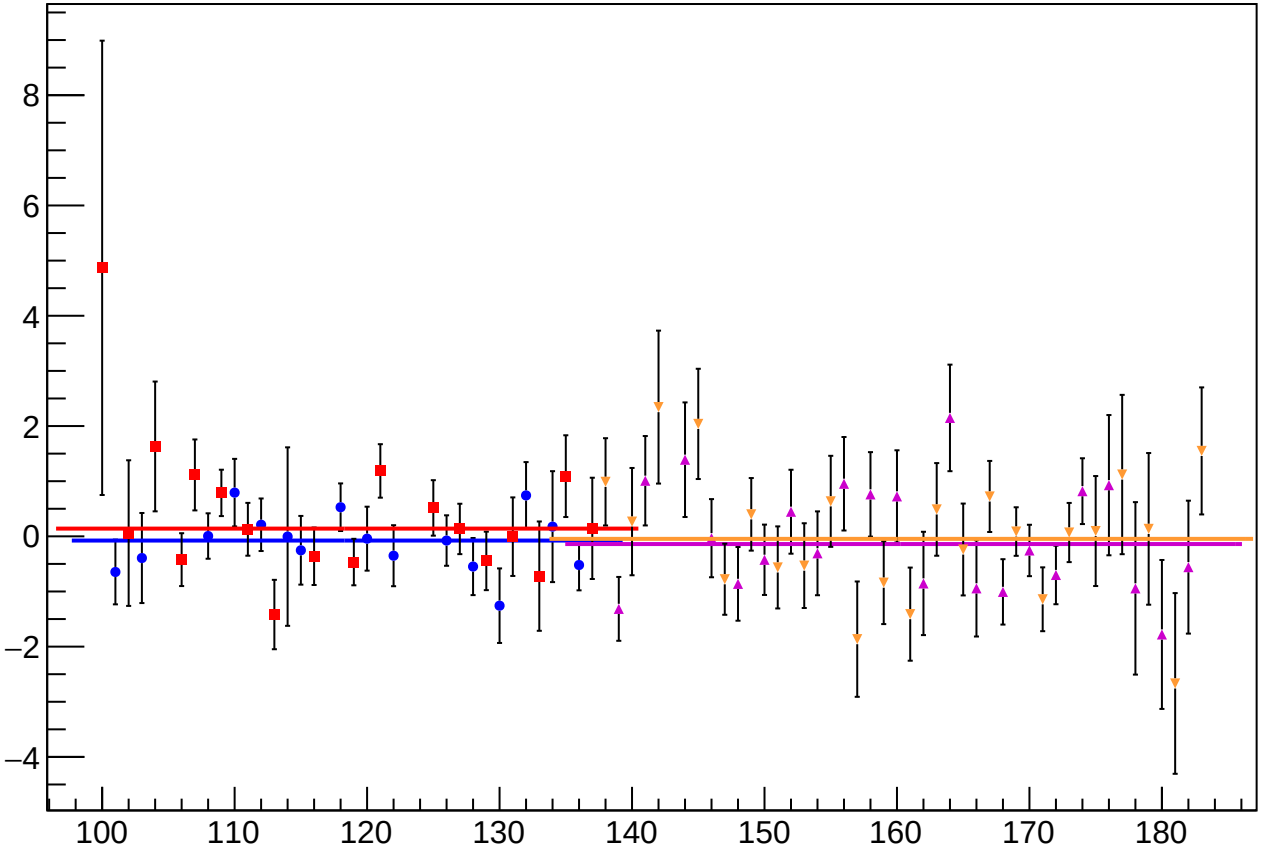
In: -0.000+/-0.000 χ^2/NDF:42.2/37

Out: 0.000+/-0.000 χ^2/NDF:40.0/40

All: -0.000+/-0.000 χ^2/NDF: 82.6/78


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1632322.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1278536.2/22
Right Out: 0.000+/-0.000 χ²/NDF: 1561654.8/17
Left In: 0.000+/-0.000 χ²/NDF:2276134.6/21
Left: 0.000+/-0.000 χ²/NDF: 3612745.2/44
Right: 0.000+/-0.000 χ²/NDF: 3215206.8/33
In: 0.000+/-0.000 χ²/NDF:4254028.8/37
Out: 0.000+/-0.000 χ²/NDF:3187089.7/40
All: 0.000+/-0.000 χ²/NDF: 7512220.6/78

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: -0.046+/-0.162 χ^2/NDF:30.0/22

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.140+/-0.159 χ^2/NDF:29.9/21

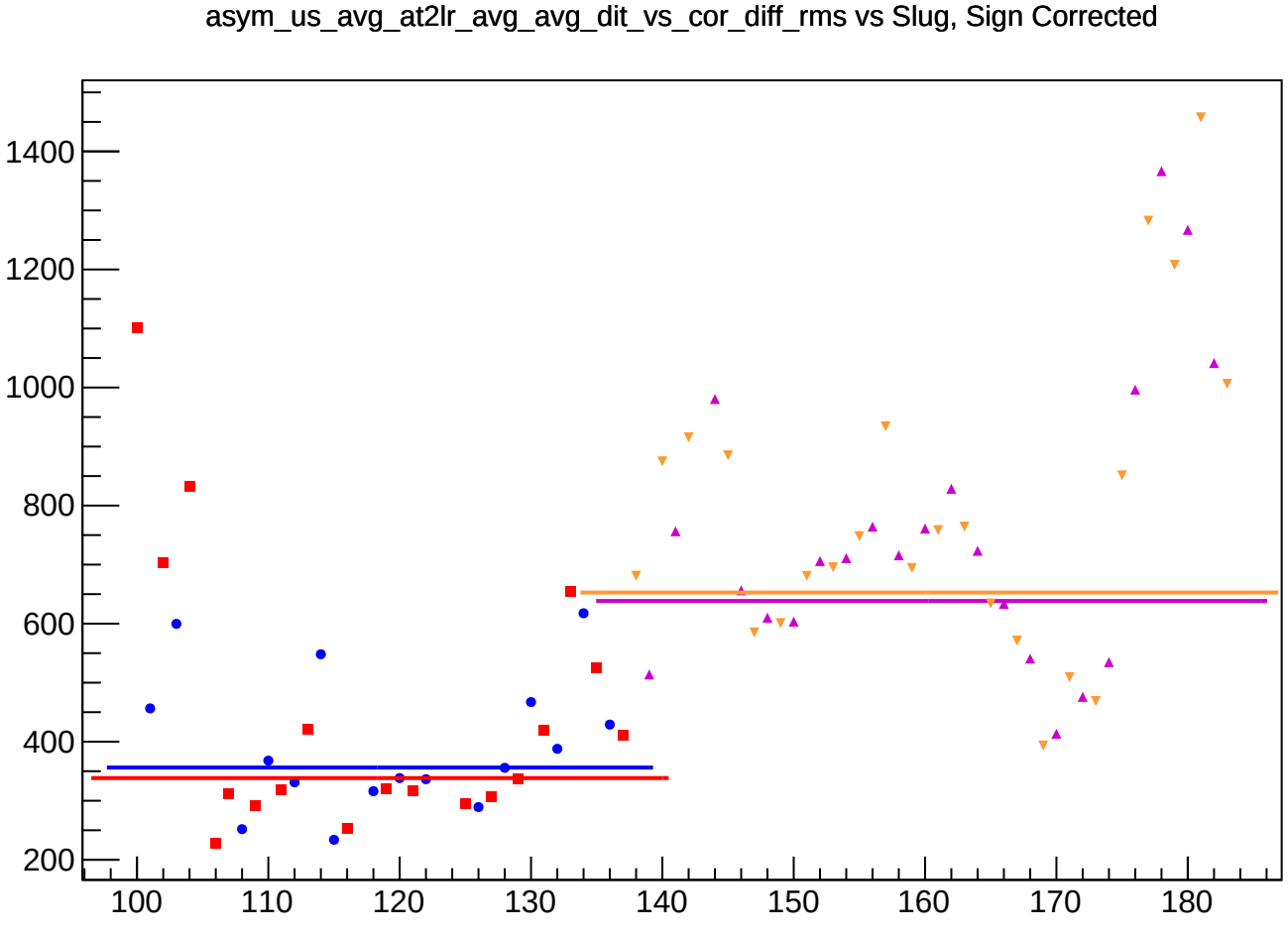
Left: -0.094+/-0.113 χ^2/NDF: 60.1/44

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.104+/-0.105 χ^2/NDF:42.5/37

Out: 0.062+/-0.105 χ^2/NDF:57.7/40

All: -0.021+/-0.074 χ^2/NDF: 101.5/78



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 652.736+/-0.115 χ^2/NDF:3115332.4/22

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: 645.414+/-0.080 χ^2/NDF: 5742133.2/44

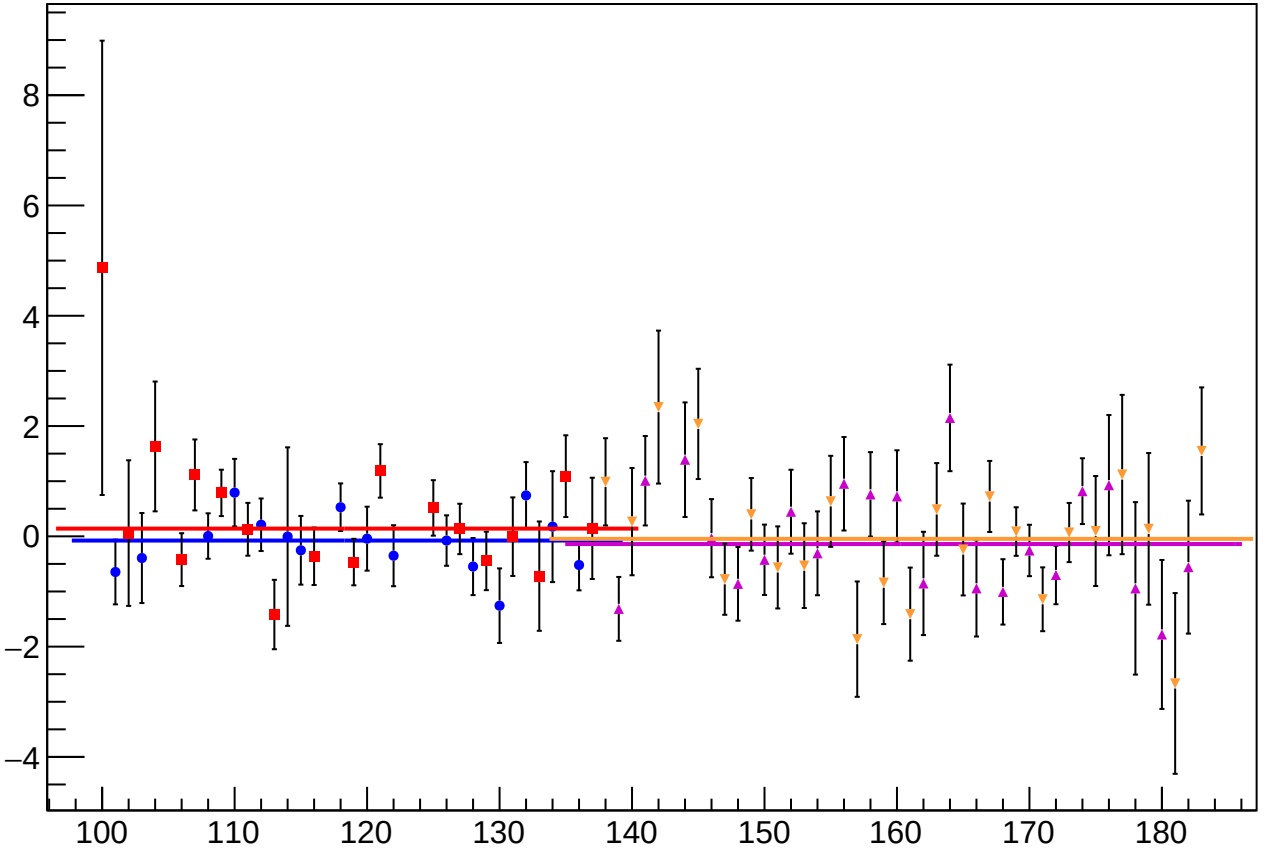
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 479.587+/-0.074 χ^2/NDF:6962590.9/37

Out: 470.282+/-0.074 χ^2/NDF:8673548.1/40

All: 474.942+/-0.053 χ^2/NDF: 15643988.7/78

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: -0.046+/-0.162 χ^2/NDF:30.0/22

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: -0.094+/-0.113 χ^2/NDF: 60.1/44

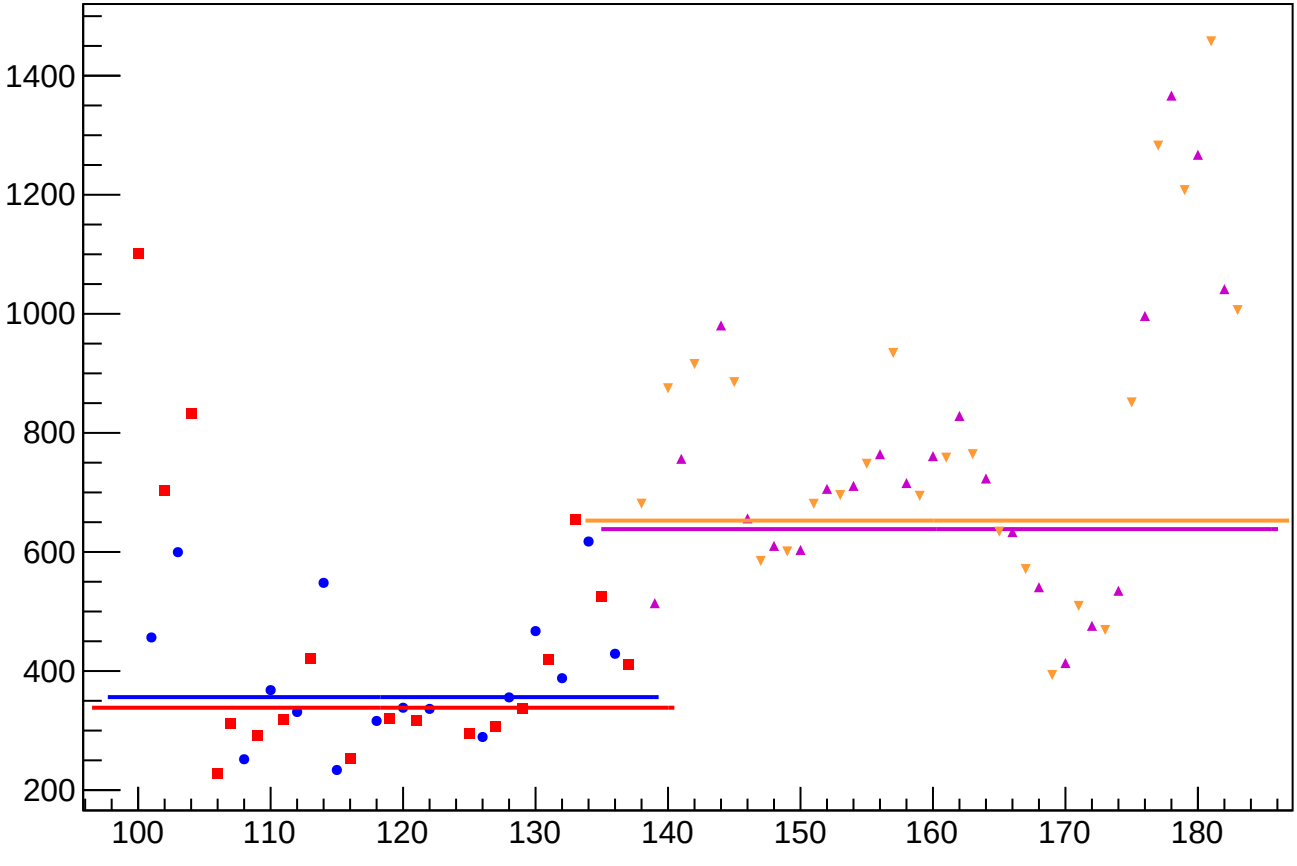
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.104+/-0.105 χ^2/NDF:42.5/37

Out: 0.062+/-0.105 χ^2/NDF:57.7/40

All: -0.021+/-0.074 χ^2/NDF: 101.5/78

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: 652.736+/-0.115 χ^2/NDF:3115332.4/22

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 638.410+/-0.112 χ^2/NDF:2618835.1/21

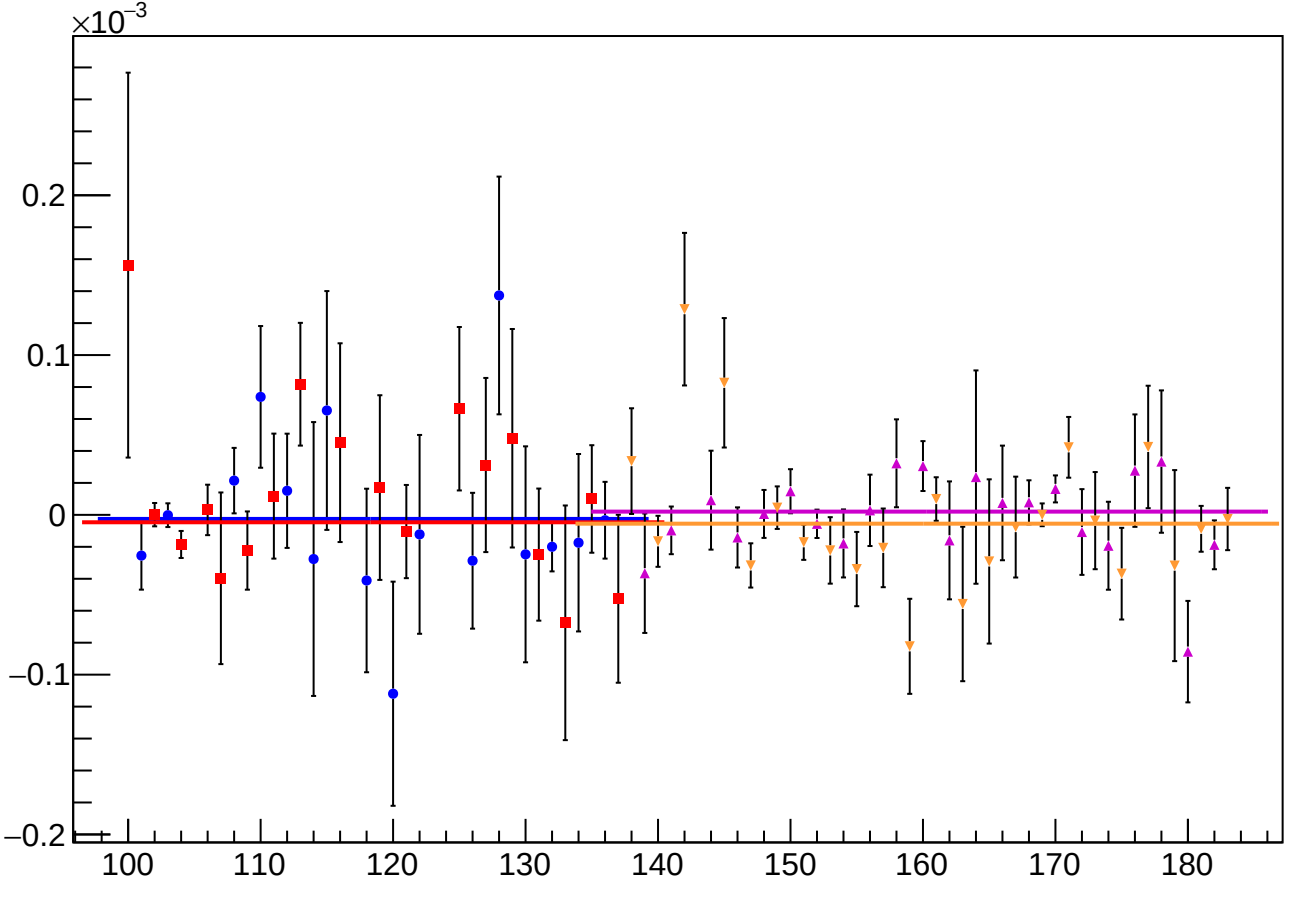
Left: 645.414+/-0.080 χ^2/NDF: 5742133.2/44

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 479.587+/-0.074 χ^2/NDF:6962590.9/37

Out: 470.282+/-0.074 χ^2/NDF:8673548.1/40

All: 474.942+/-0.053 χ^2/NDF: 15643988.7/78



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.5/22

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

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

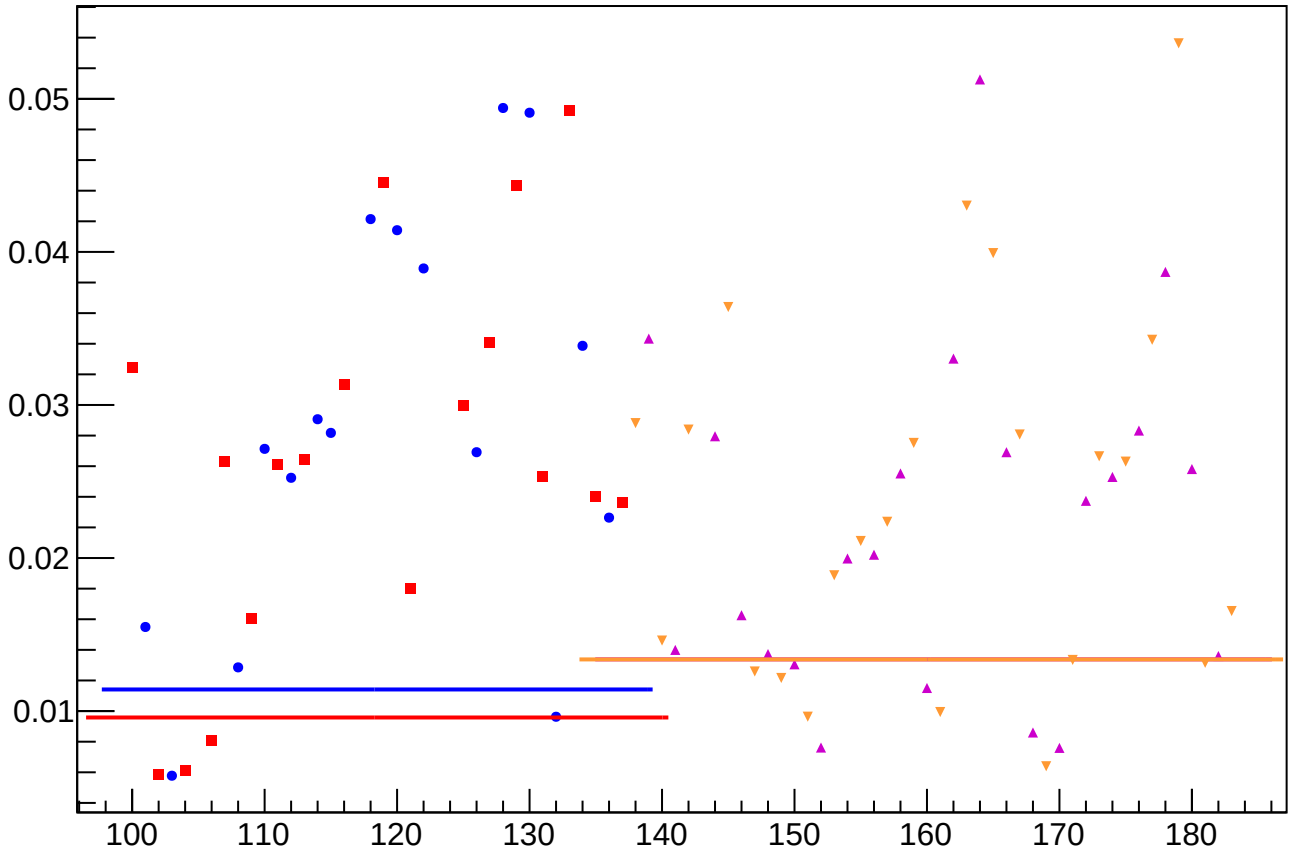
Left: -0.000+/-0.000 χ^2/NDF: 67.7/44

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: 0.000+/-0.000 χ^2/NDF:39.7/37

Out: -0.000+/-0.000 χ^2/NDF:58.6/40

All: -0.000+/-0.000 χ^2/NDF: 100.1/78



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:8731565.1/22

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: 16158675.1/44

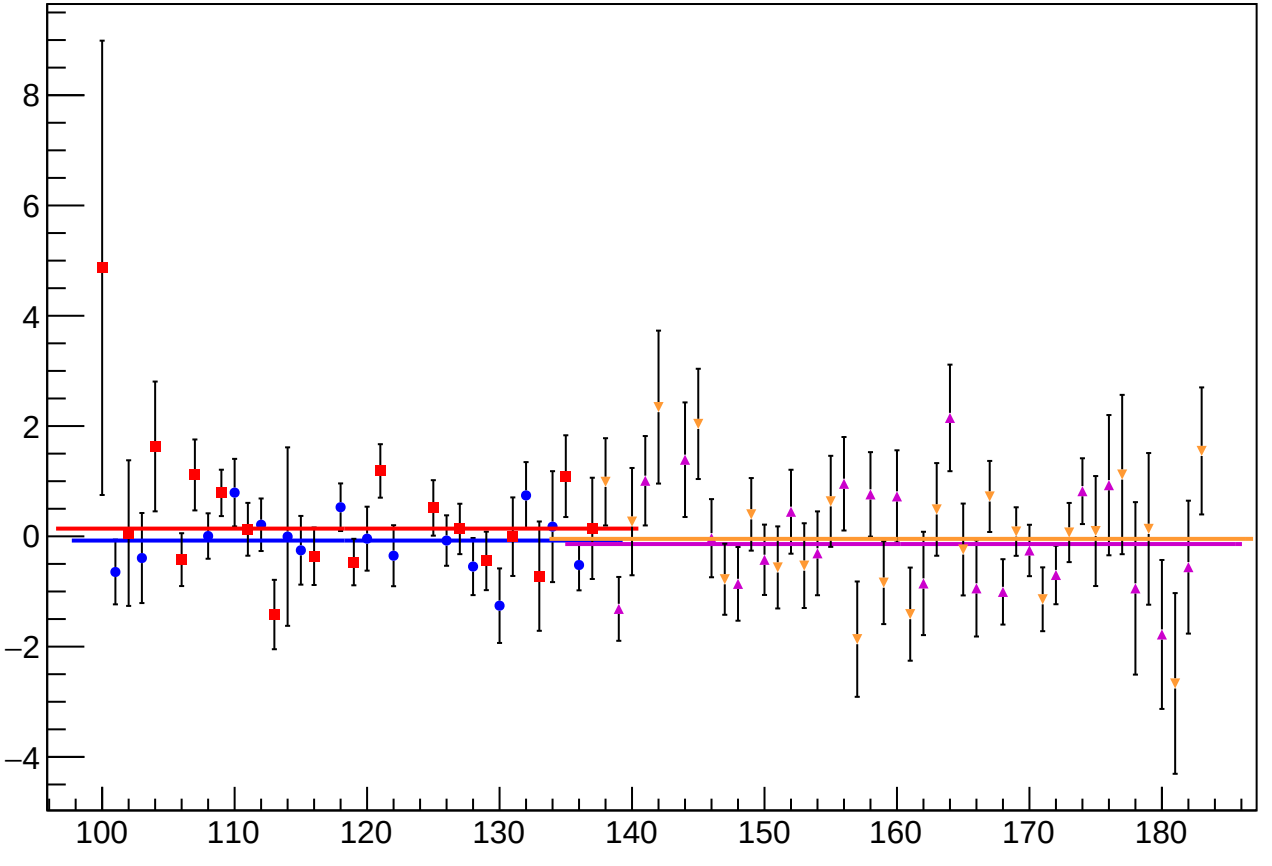
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:13099868.2/37

Out: 0.012+/-0.000 χ^2/NDF:15315832.6/40

All: 0.012+/-0.000 χ^2/NDF: 28493861.9/78

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: -0.046+/-0.162 χ^2/NDF:30.0/22

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.140+/-0.159 χ^2/NDF:29.9/21

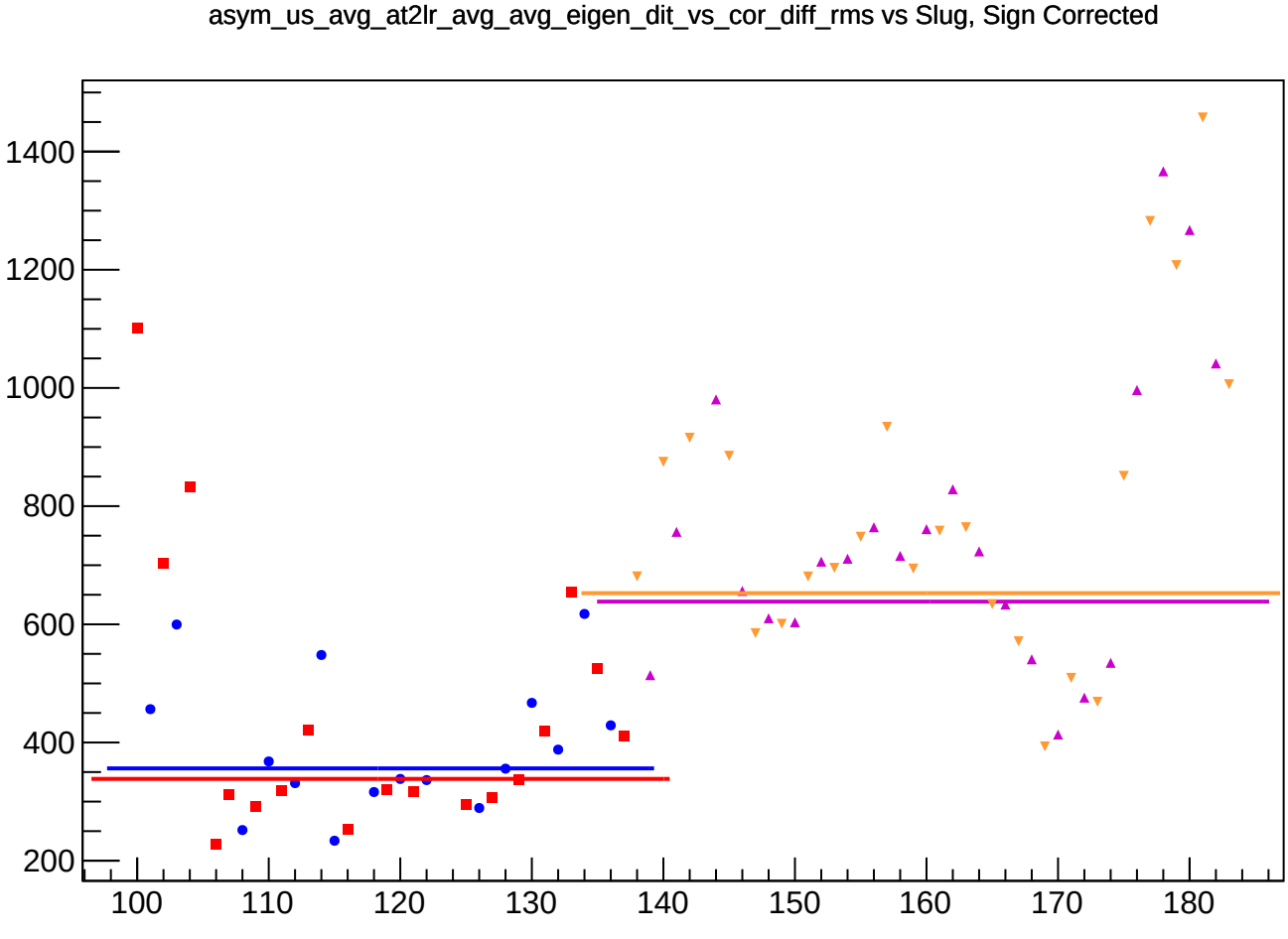
Left: -0.094+/-0.113 χ^2/NDF: 60.1/44

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.104+/-0.105 χ^2/NDF:42.5/37

Out: 0.062+/-0.105 χ^2/NDF:57.7/40

All: -0.021+/-0.074 χ^2/NDF: 101.5/78



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 652.736+/-0.115 χ^2/NDF:3115549.6/22

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: 645.415+/-0.080 χ^2/NDF: 5742496.7/44

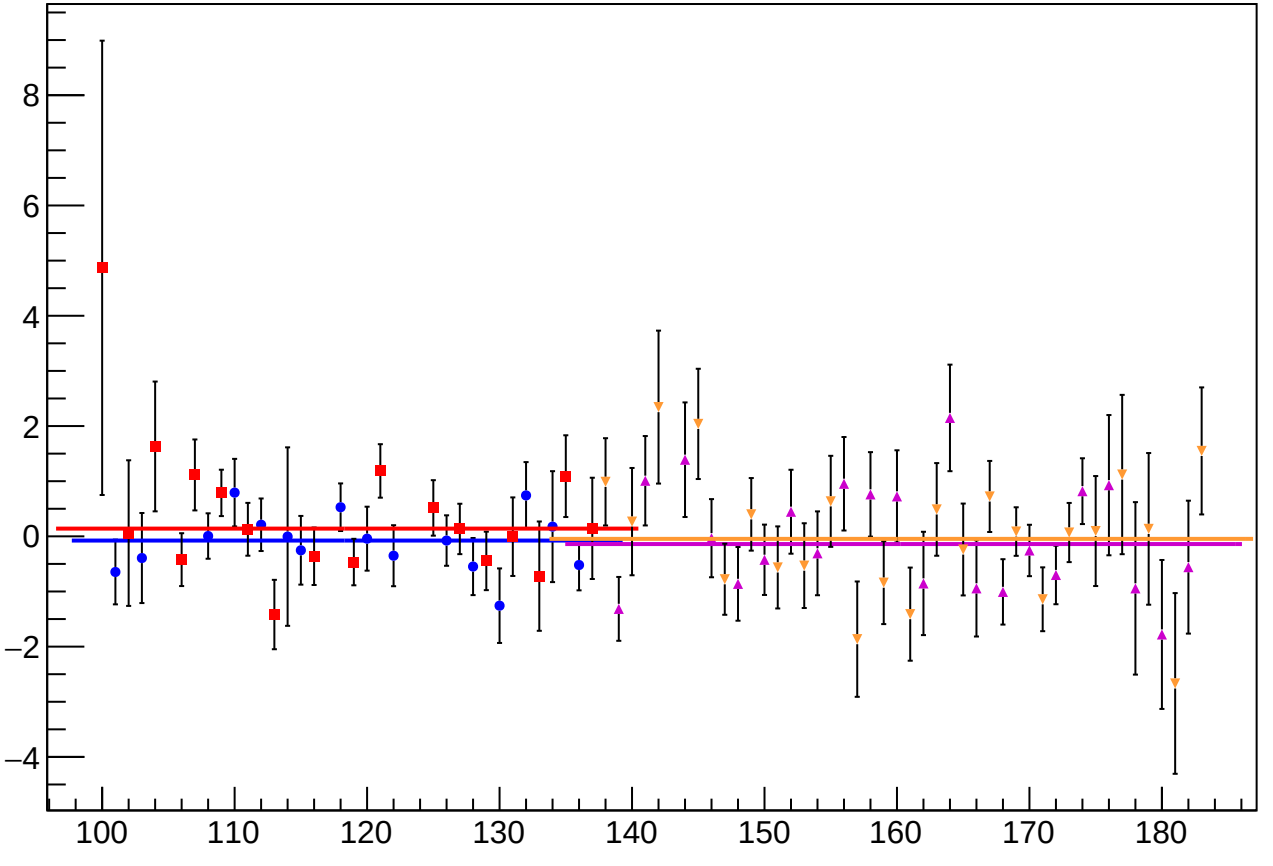
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 479.586+/-0.074 χ^2/NDF:6962801.7/37

Out: 470.279+/-0.074 χ^2/NDF:8673815.4/40

All: 474.940+/-0.053 χ^2/NDF: 15644469.3/78

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: -0.046+/-0.162 χ^2/NDF:30.0/22

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: -0.094+/-0.113 χ^2/NDF: 60.1/44

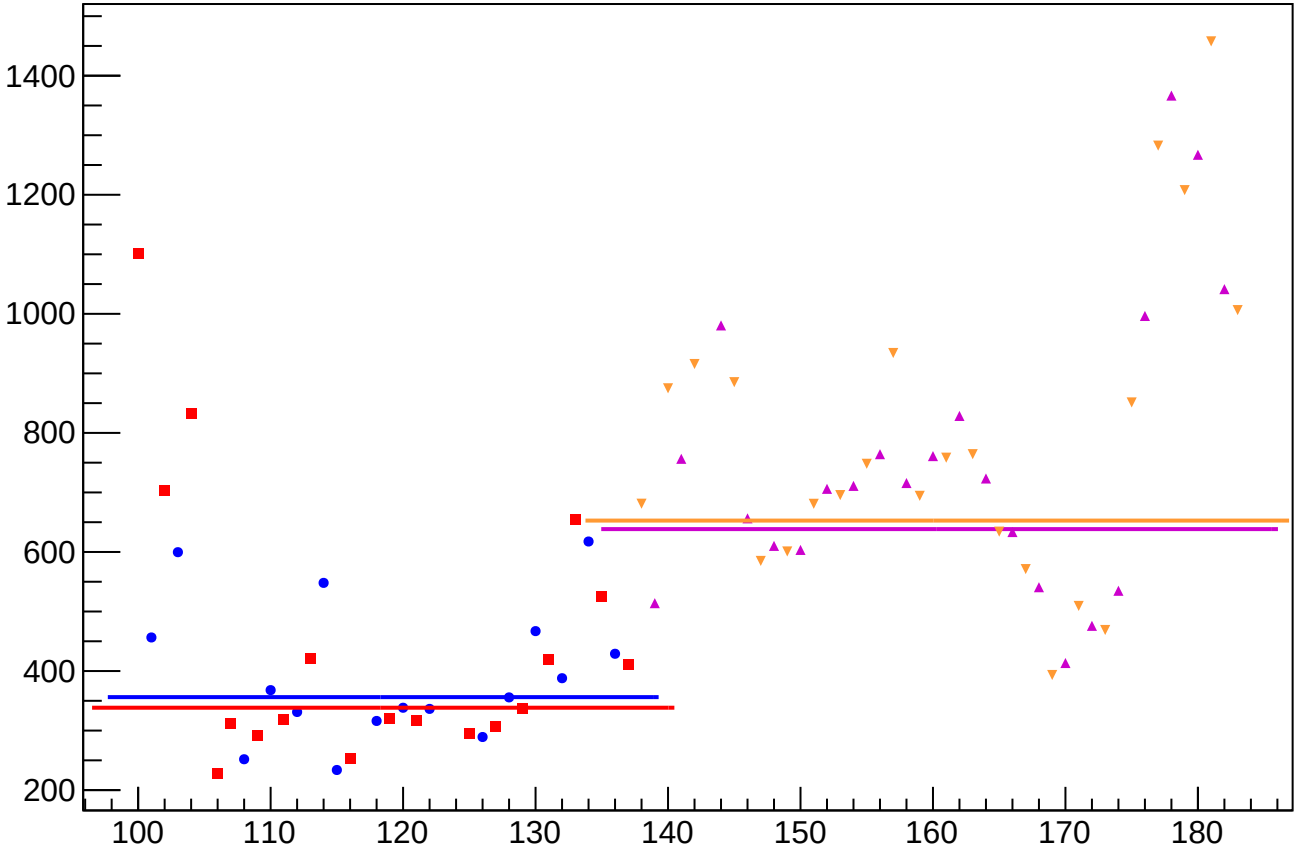
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.104+/-0.105 χ^2/NDF:42.5/37

Out: 0.062+/-0.105 χ^2/NDF:57.7/40

All: -0.021+/-0.074 χ^2/NDF: 101.5/78

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: 652.736+/-0.115 χ^2/NDF:3115549.6/22

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: 645.415+/-0.080 χ^2/NDF: 5742496.7/44

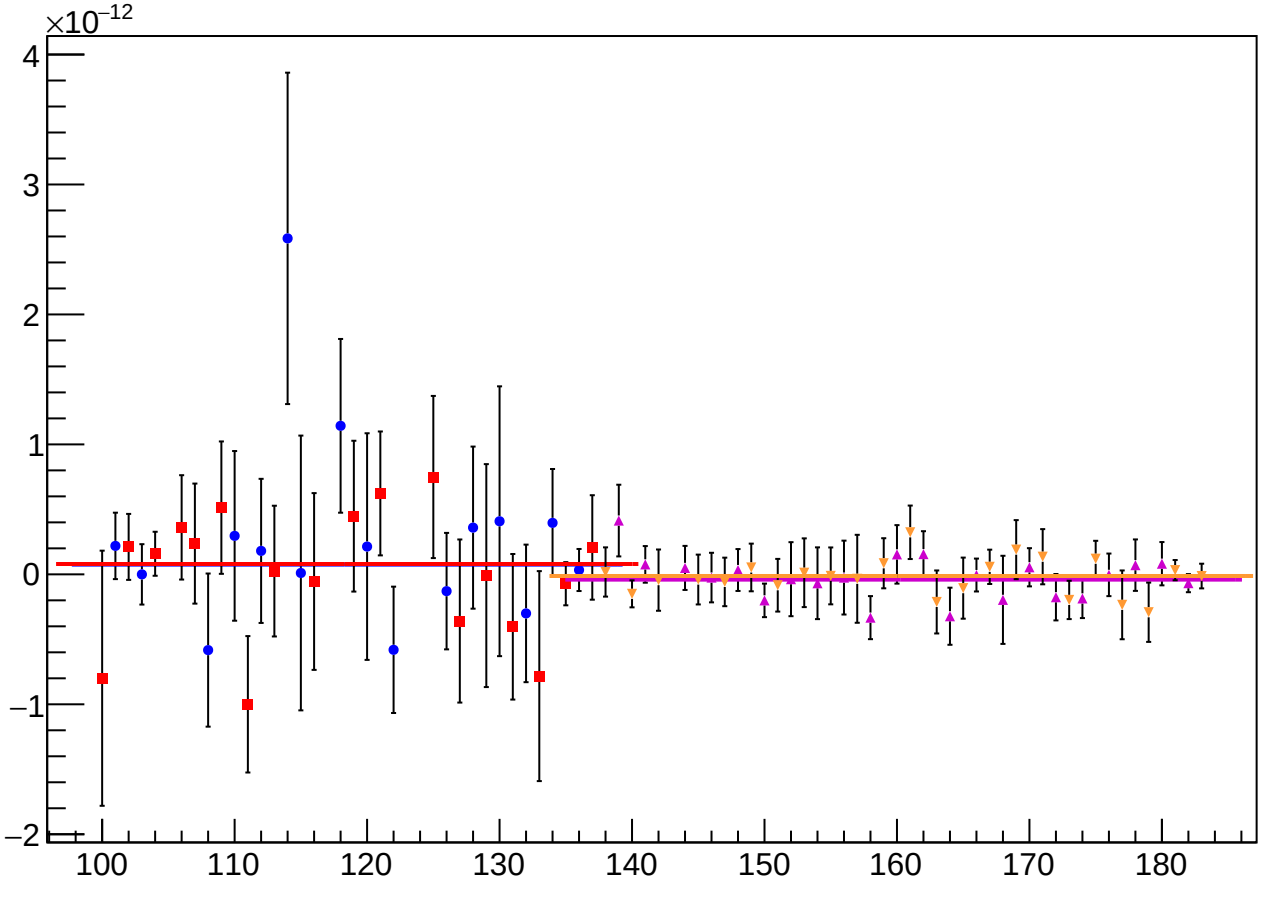
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 479.586+/-0.074 χ^2/NDF:6962801.7/37

Out: 470.279+/-0.074 χ^2/NDF:8673815.4/40

All: 474.940+/-0.053 χ^2/NDF: 15644469.3/78

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:12.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:15.5/21

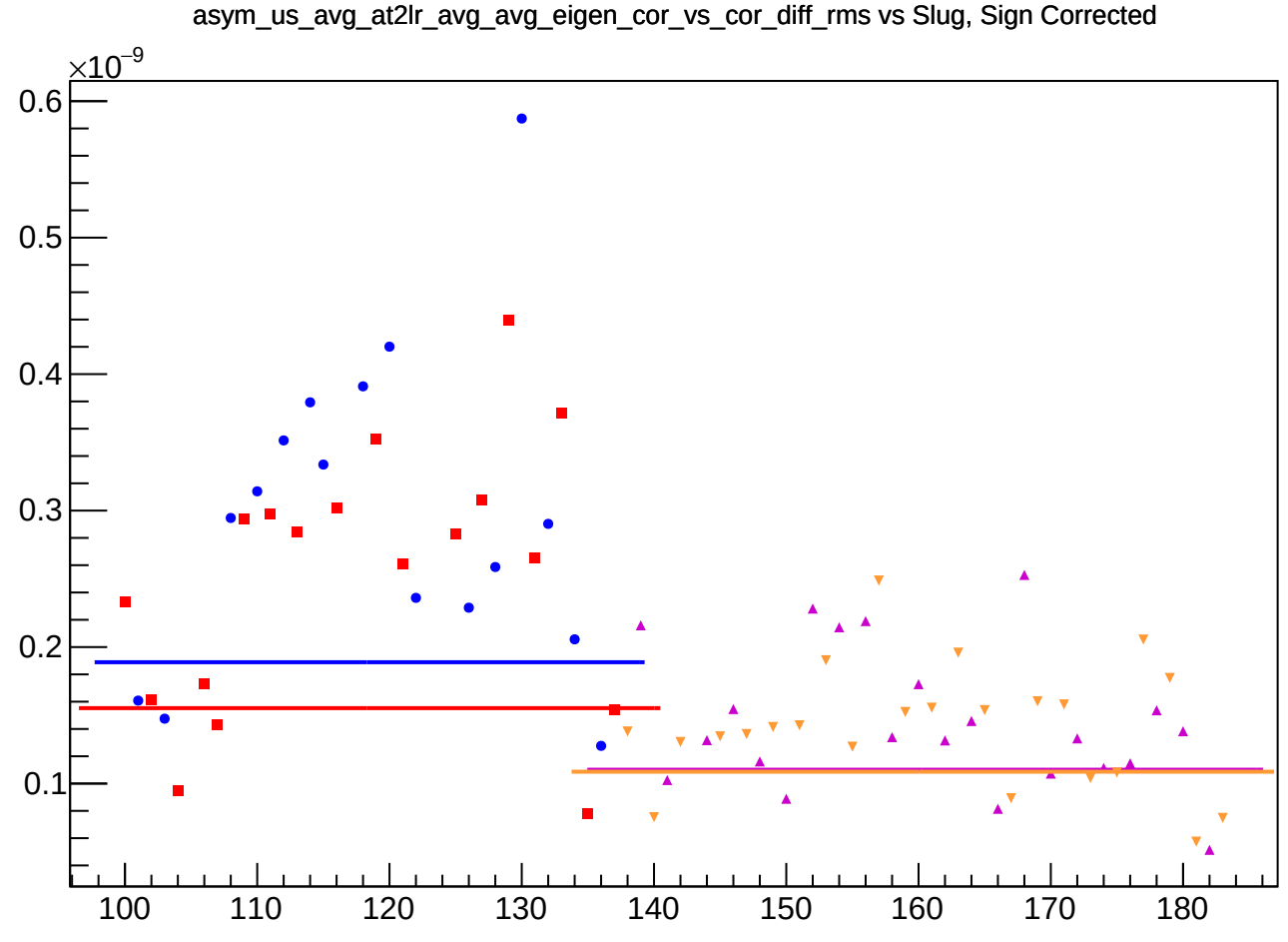
Left: -0.000+/-0.000 χ^2/NDF: 28.3/44

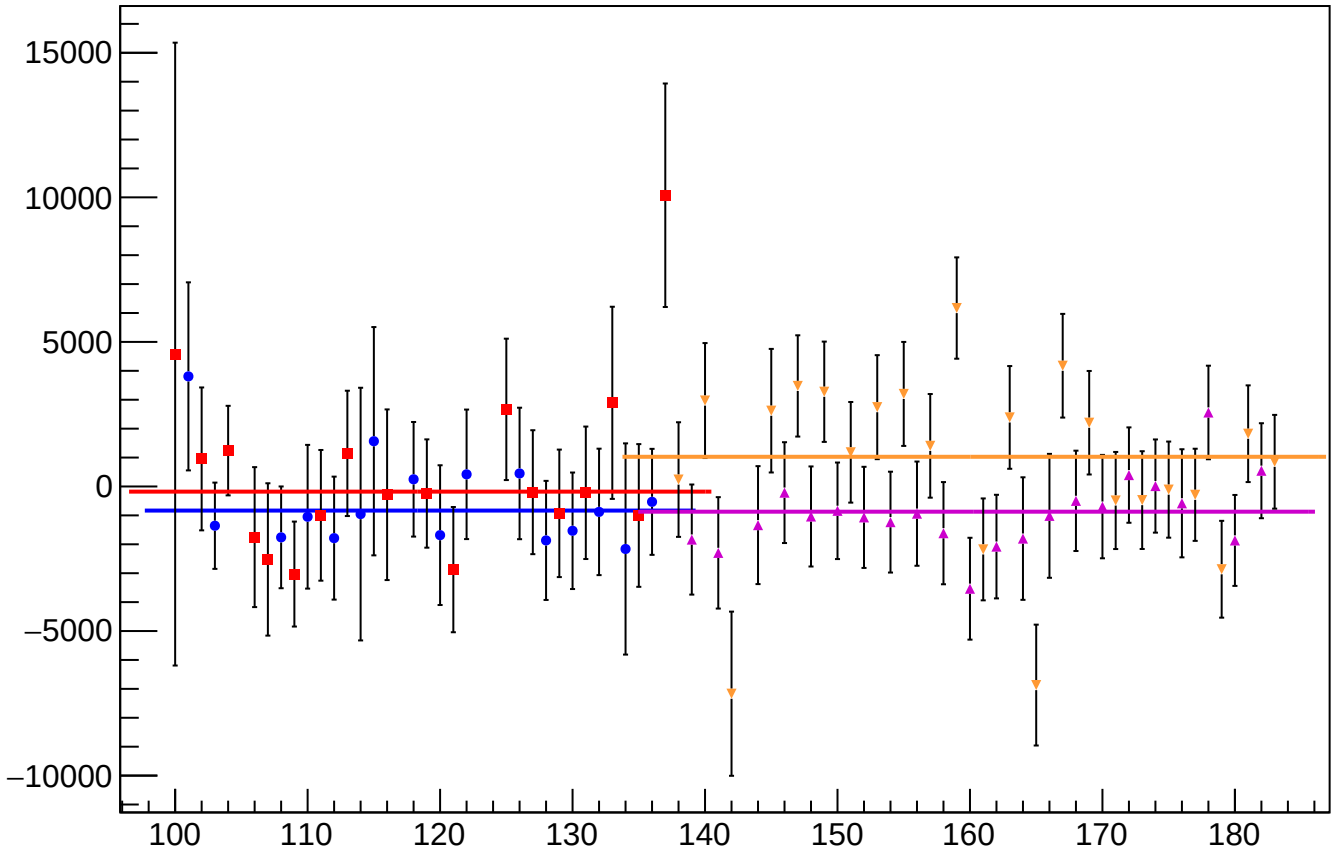
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:28.5/37

Out: -0.000+/-0.000 χ^2/NDF:26.6/40

All: -0.000+/-0.000 χ^2/NDF: 55.5/78


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 1520620.9/15
Left Out: 0.000+/-0.000 χ²/NDF:3385677.8/22
Right Out: 0.000+/-0.000 χ²/NDF: 2200687.6/17
Left In: 0.000+/-0.000 χ²/NDF:3763771.3/21
Left: 0.000+/-0.000 χ²/NDF: 7151302.8/44
Right: 0.000+/-0.000 χ²/NDF: 3857679.7/33
In: 0.000+/-0.000 χ²/NDF:6472857.8/37
Out: 0.000+/-0.000 χ²/NDF:6101026.0/40
All: 0.000+/-0.000 χ²/NDF: 12589087.3/78



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1026.875+/-374.246 χ^2/NDF:54.7/22

Right Out: -178.292+/-547.824 χ^2/NDF: 16.5/17

Left In: -872.096+/-377.817 χ^2/NDF:10.8/21

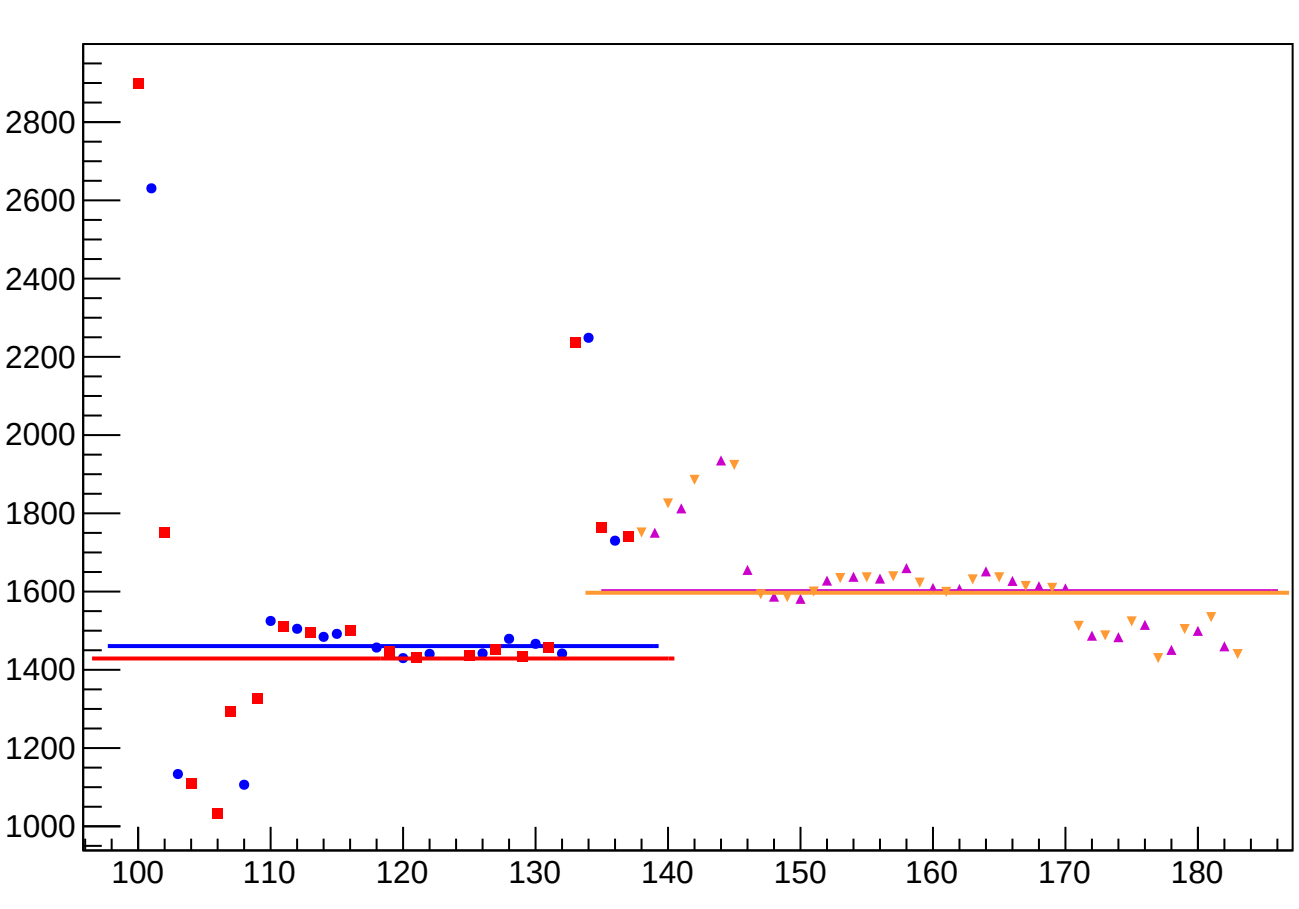
Left: 86.407+/-265.886 χ^2/NDF: 78.3/44

Right: -501.721+/-389.824 χ^2/NDF: 21.8/33

In: -859.862+/-312.288 χ^2/NDF:15.4/37

Out: 643.397+/-309.020 χ^2/NDF:74.5/40

All: -100.327+/-219.657 χ^2/NDF: 101.6/78



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1596.976+/-0.265 χ^2/NDF:177983.2/22

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1601.066+/-0.267 χ^2/NDF:162997.5/21

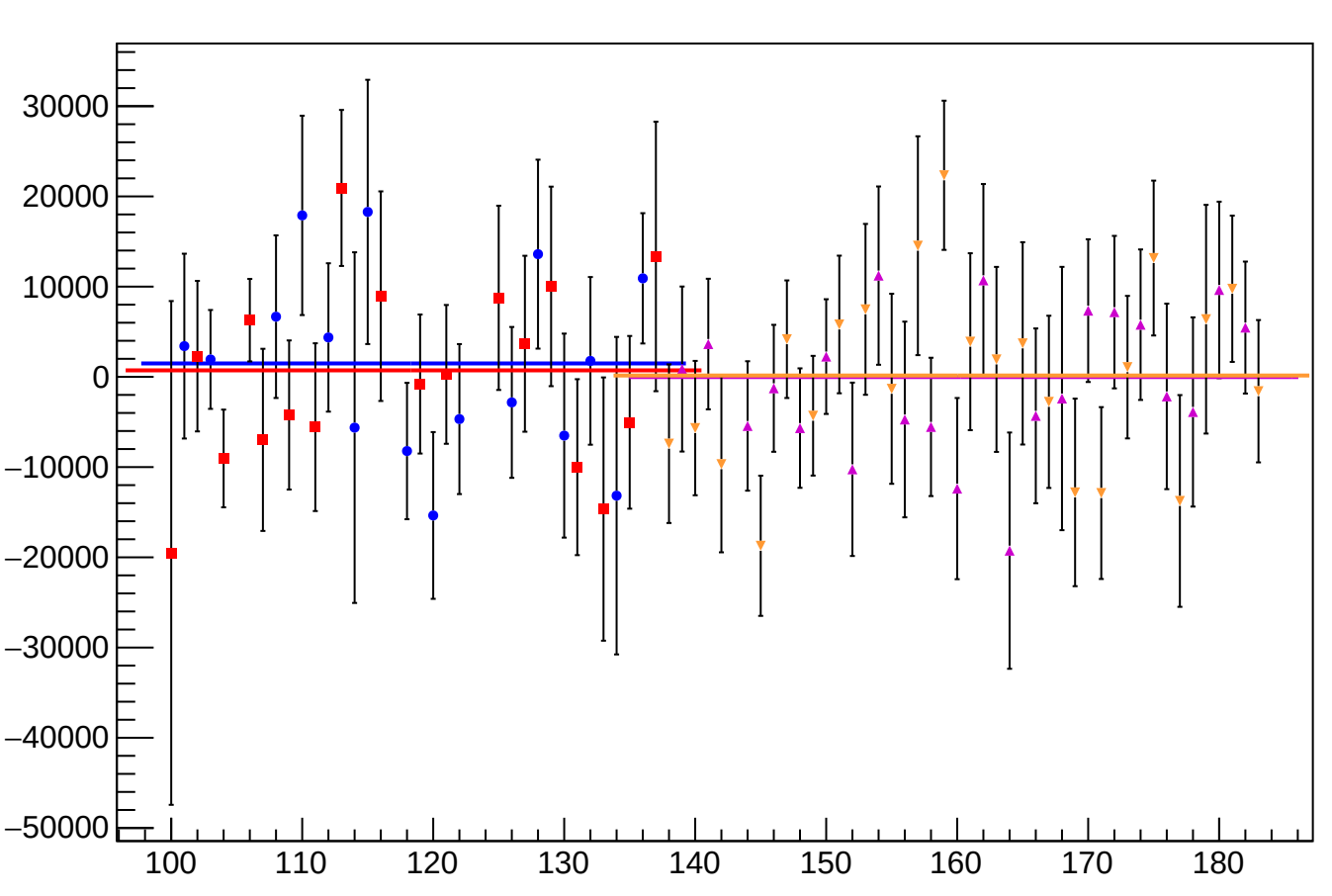
Left: 1599.002+/-0.188 χ^2/NDF: 341099.1/44

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1556.583+/-0.221 χ^2/NDF:826245.4/37

Out: 1542.966+/-0.218 χ^2/NDF:718854.5/40

All: 1549.687+/-0.155 χ^2/NDF: 1547025.7/78



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: 149.493+/-1836.131 χ^2/NDF:28.1/22

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: 63.298+/-1298.074 χ^2/NDF: 41.7/44

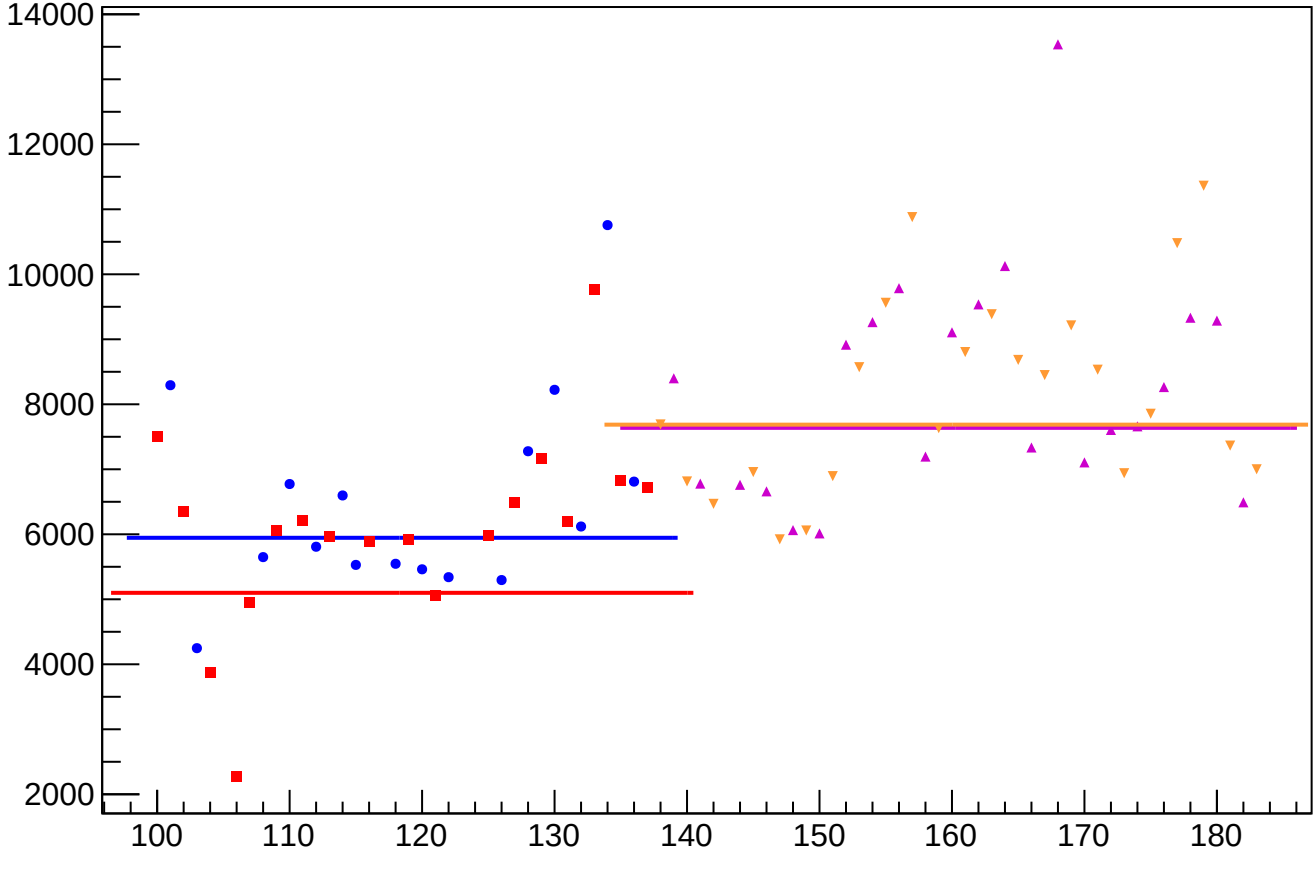
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 574.819+/-1426.736 χ^2/NDF:28.0/37

Out: 408.865+/-1356.127 χ^2/NDF:45.7/40

All: 487.634+/-982.941 χ^2/NDF: 73.7/78

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: 7686.657+/-1.298 χ^2/NDF:1071372.9/22

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7637.529+/-1.298 χ^2/NDF:1210954.9/21

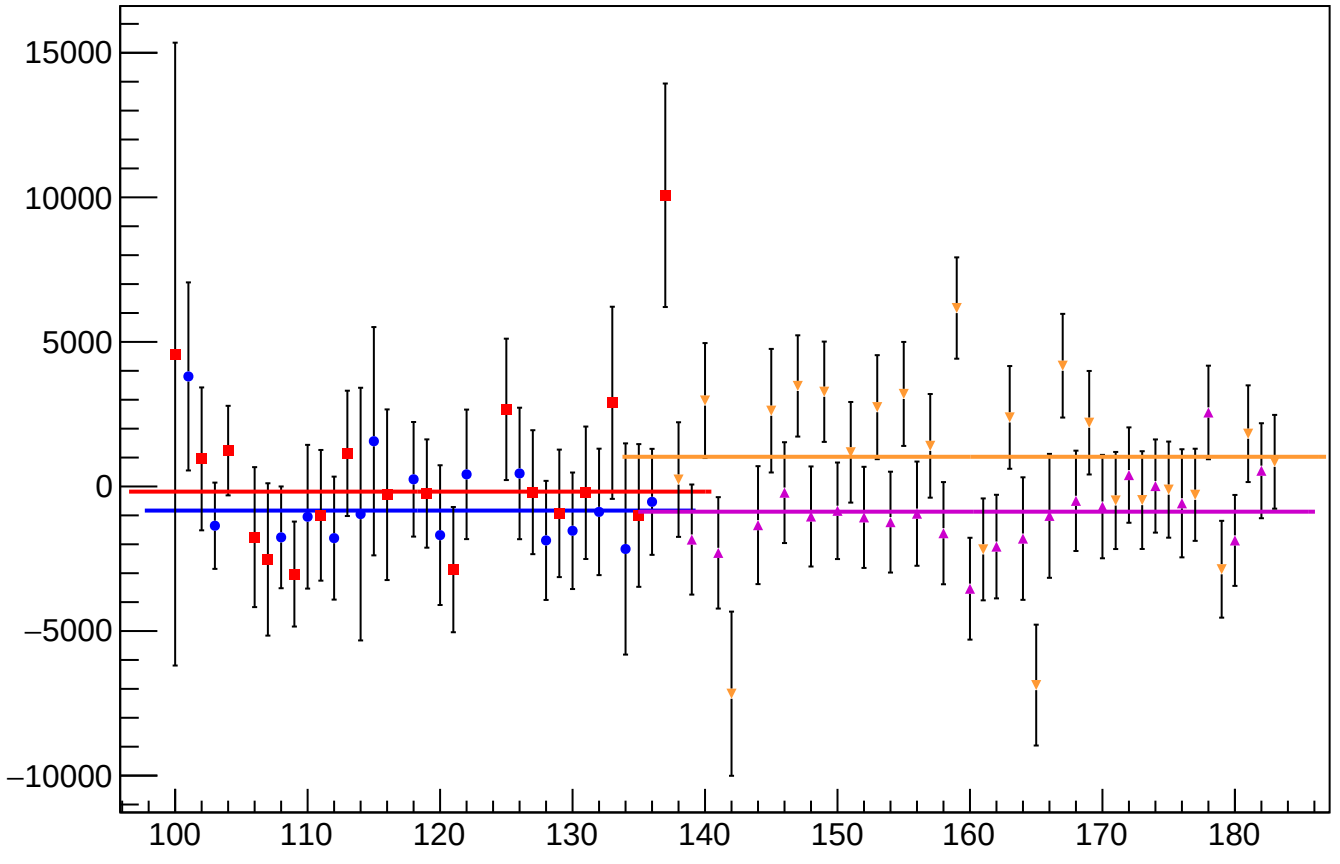
Left: 7662.083+/-0.918 χ^2/NDF: 2283044.0/44

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6968.184+/-1.009 χ^2/NDF:2524269.1/37

Out: 6510.733+/-0.959 χ^2/NDF:4356609.1/40

All: 6727.859+/-0.695 χ^2/NDF: 6988893.9/78



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1026.975+/-374.246 χ^2/NDF:54.7/22

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -871.990+/-377.817 χ^2/NDF:10.8/21

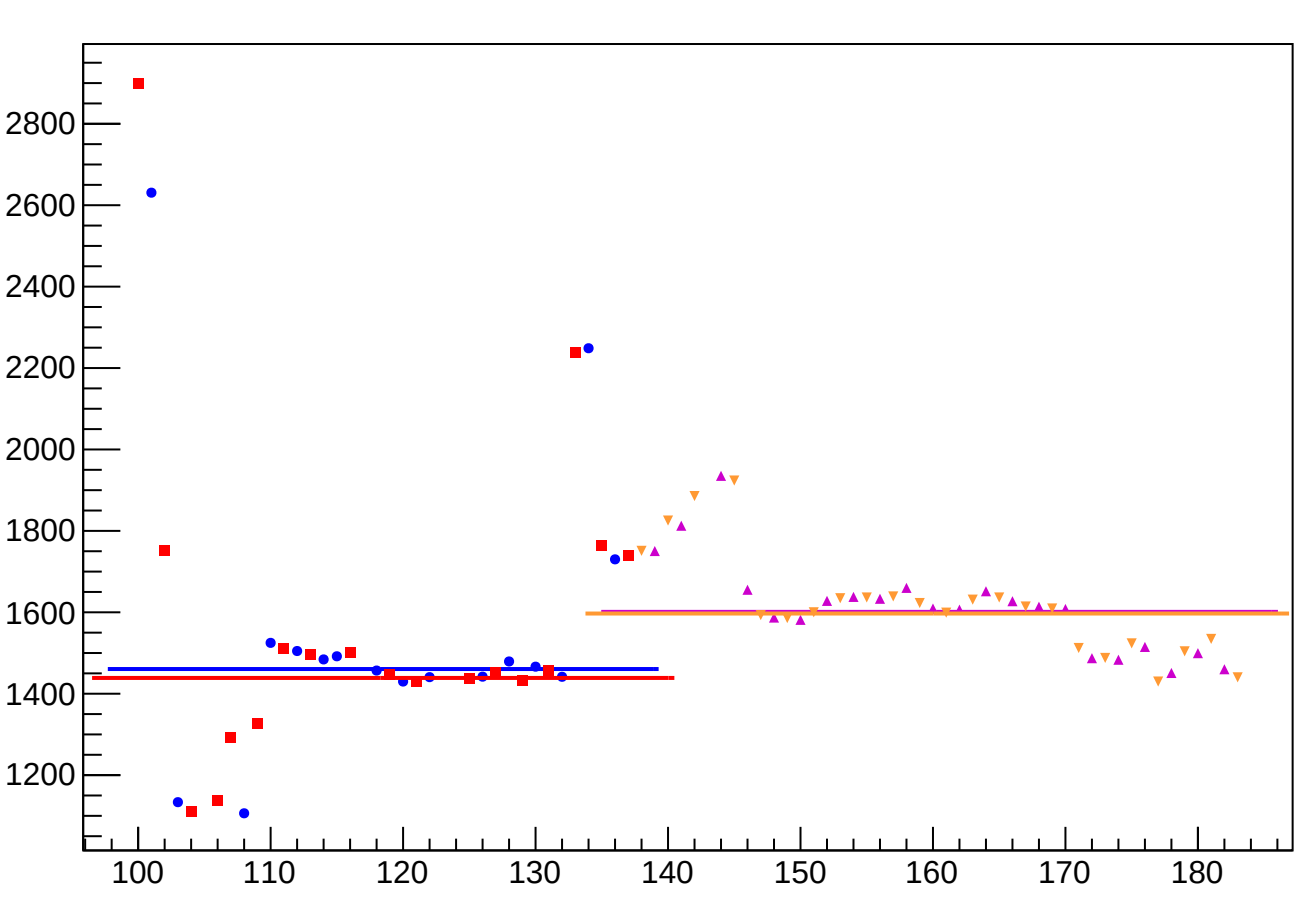
Left: 86.510+/-265.886 χ^2/NDF: 78.3/44

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -859.810+/-312.288 χ^2/NDF:15.4/37

Out: 643.516+/-309.020 χ^2/NDF:74.5/40

All: -100.240+/-219.657 χ^2/NDF: 101.6/78



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1596.976+/-0.265 χ^2/NDF:177983.2/22

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1601.066+/-0.267 χ^2/NDF:162997.5/21

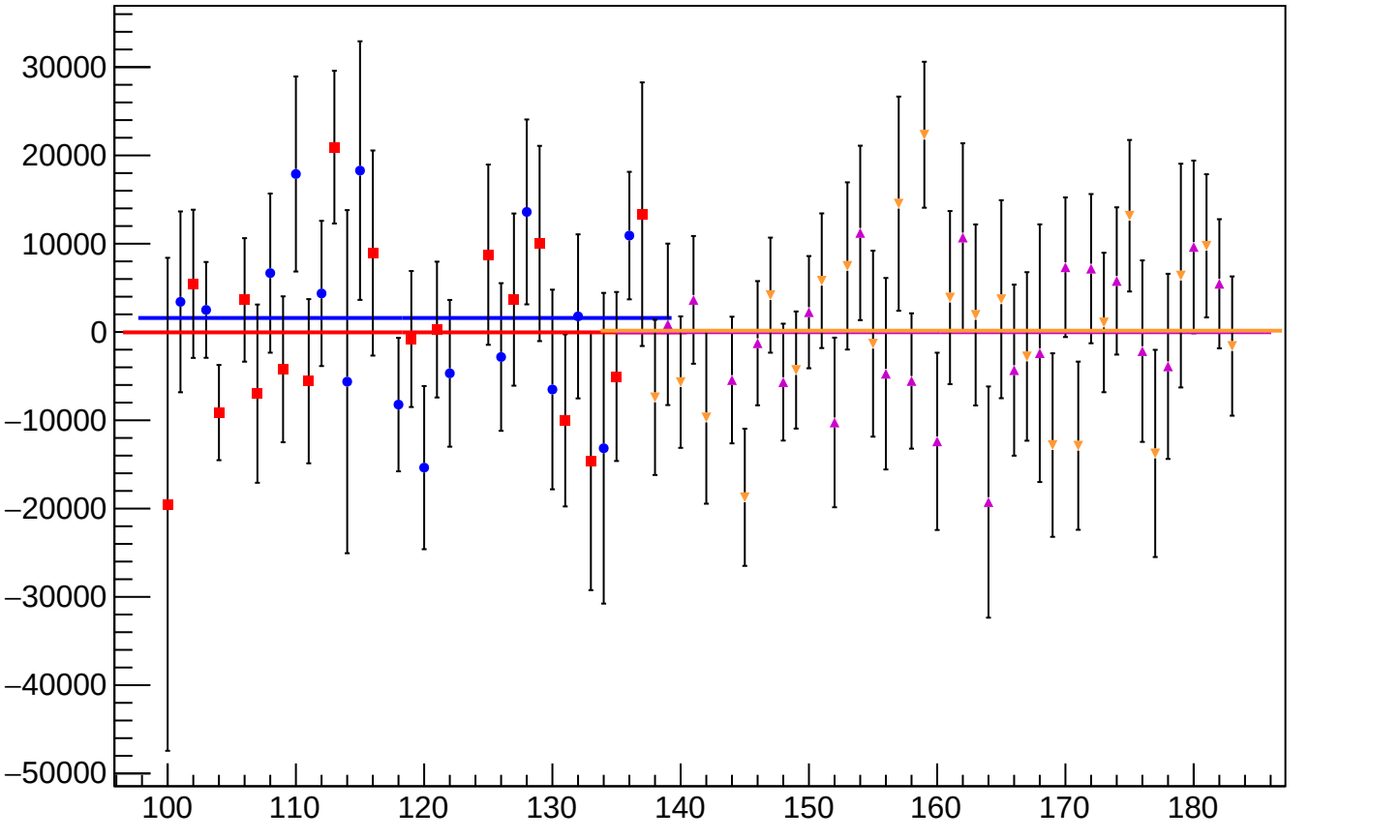
Left: 1599.002+/-0.188 χ^2/NDF: 341099.0/44

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1556.583+/-0.221 χ^2/NDF:826245.8/37

Out: 1546.477+/-0.218 χ^2/NDF:665447.6/40

All: 1551.473+/-0.155 χ^2/NDF: 1492752.6/78



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 149.509+/-1836.132 χ^2/NDF:28.1/22

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: 63.298+/-1298.074 χ^2/NDF: 41.7/44

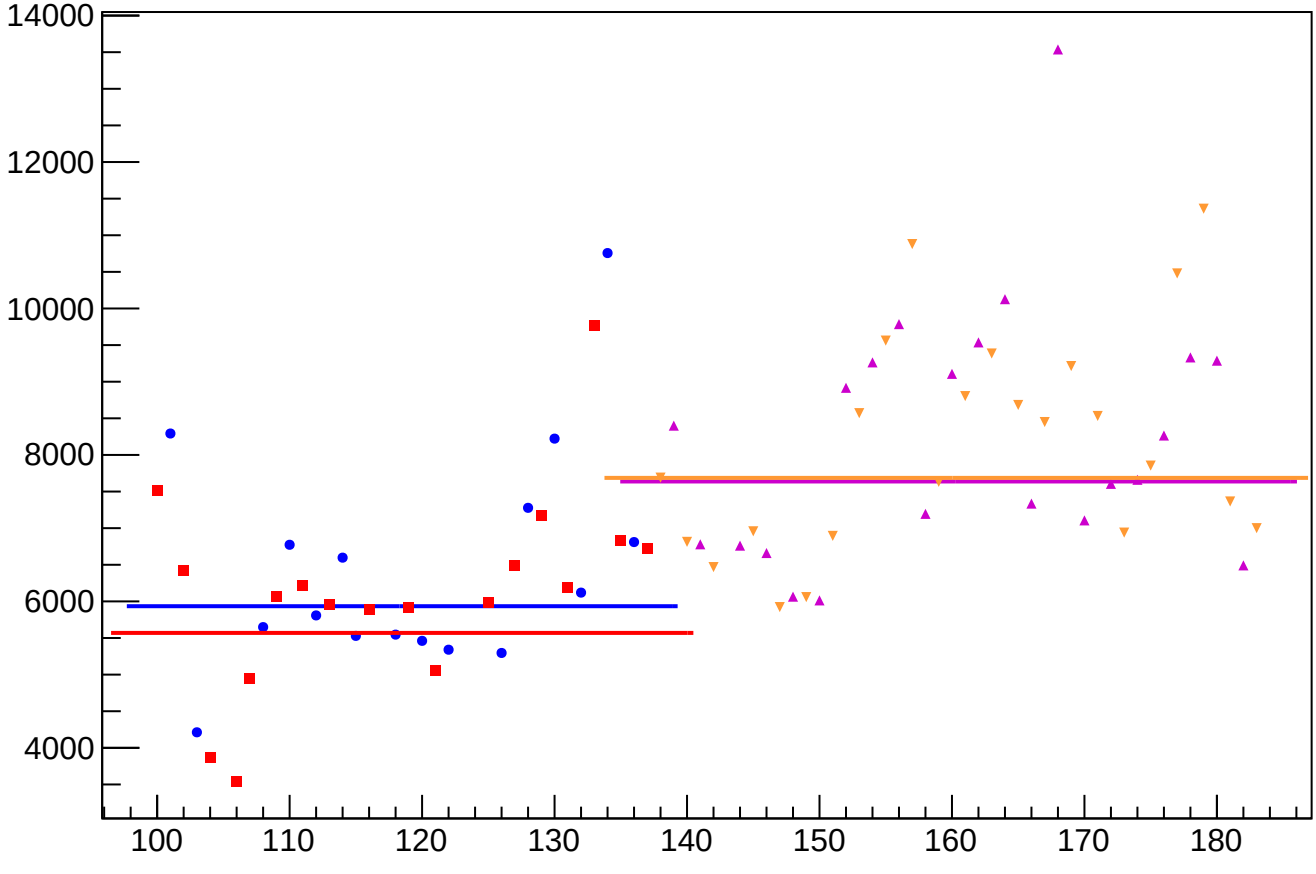
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 616.145+/-1425.796 χ^2/NDF:28.1/37

Out: 68.578+/-1391.573 χ^2/NDF:44.5/40

All: 335.711+/-995.870 χ^2/NDF: 72.7/78

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: 7686.659+/-1.298 χ^2/NDF:1071372.2/22

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7637.521+/-1.298 χ^2/NDF:1210958.1/21

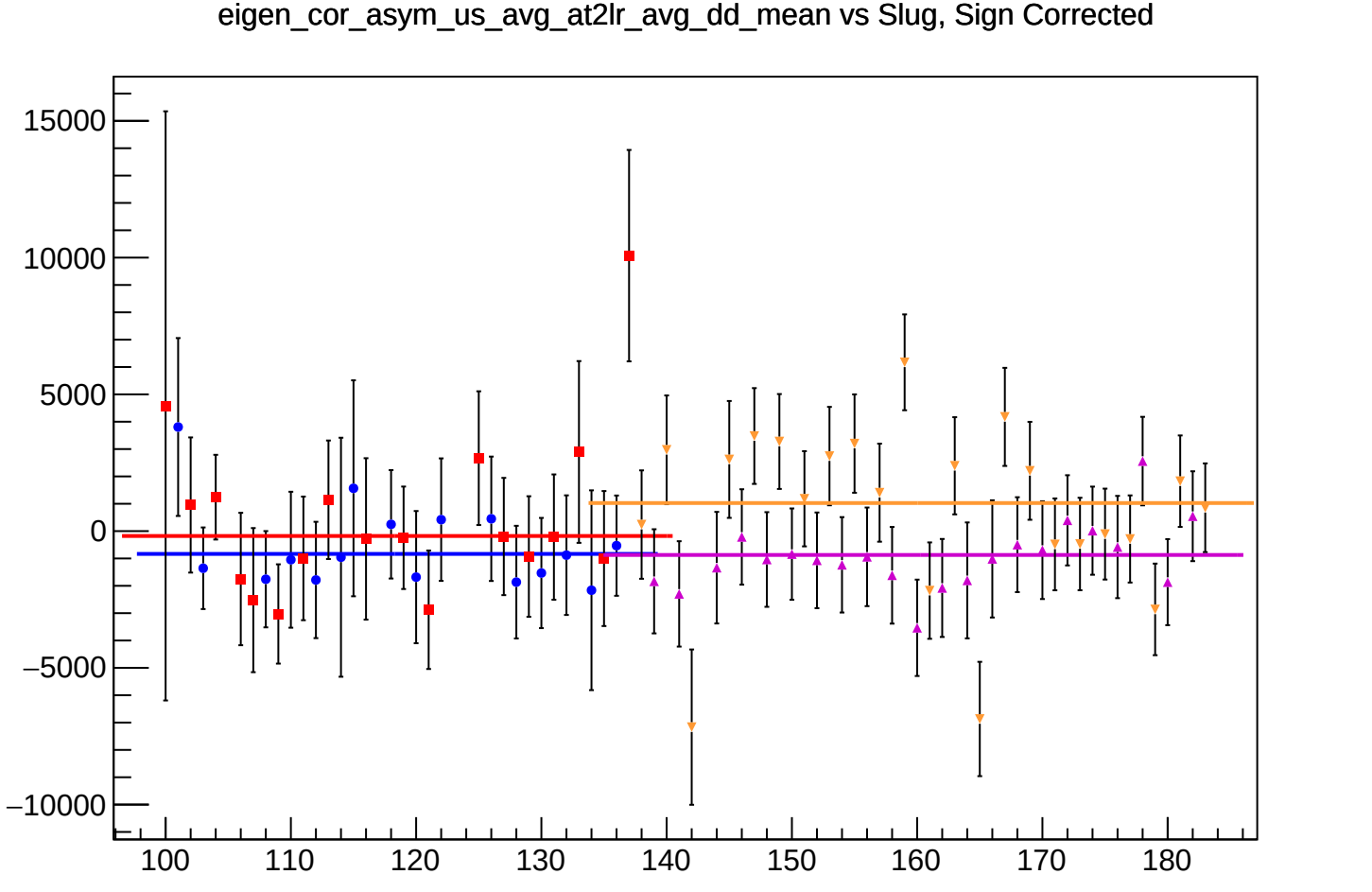
Left: 7662.080+/-0.918 χ^2/NDF: 2283046.8/44

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6962.128+/-1.008 χ^2/NDF:2547056.5/37

Out: 6785.614+/-0.984 χ^2/NDF:2927040.7/40

All: 6871.727+/-0.704 χ^2/NDF: 5489796.1/78



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1026.975+/-374.246 χ^2/NDF:54.7/22

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -871.990+/-377.817 χ^2/NDF:10.8/21

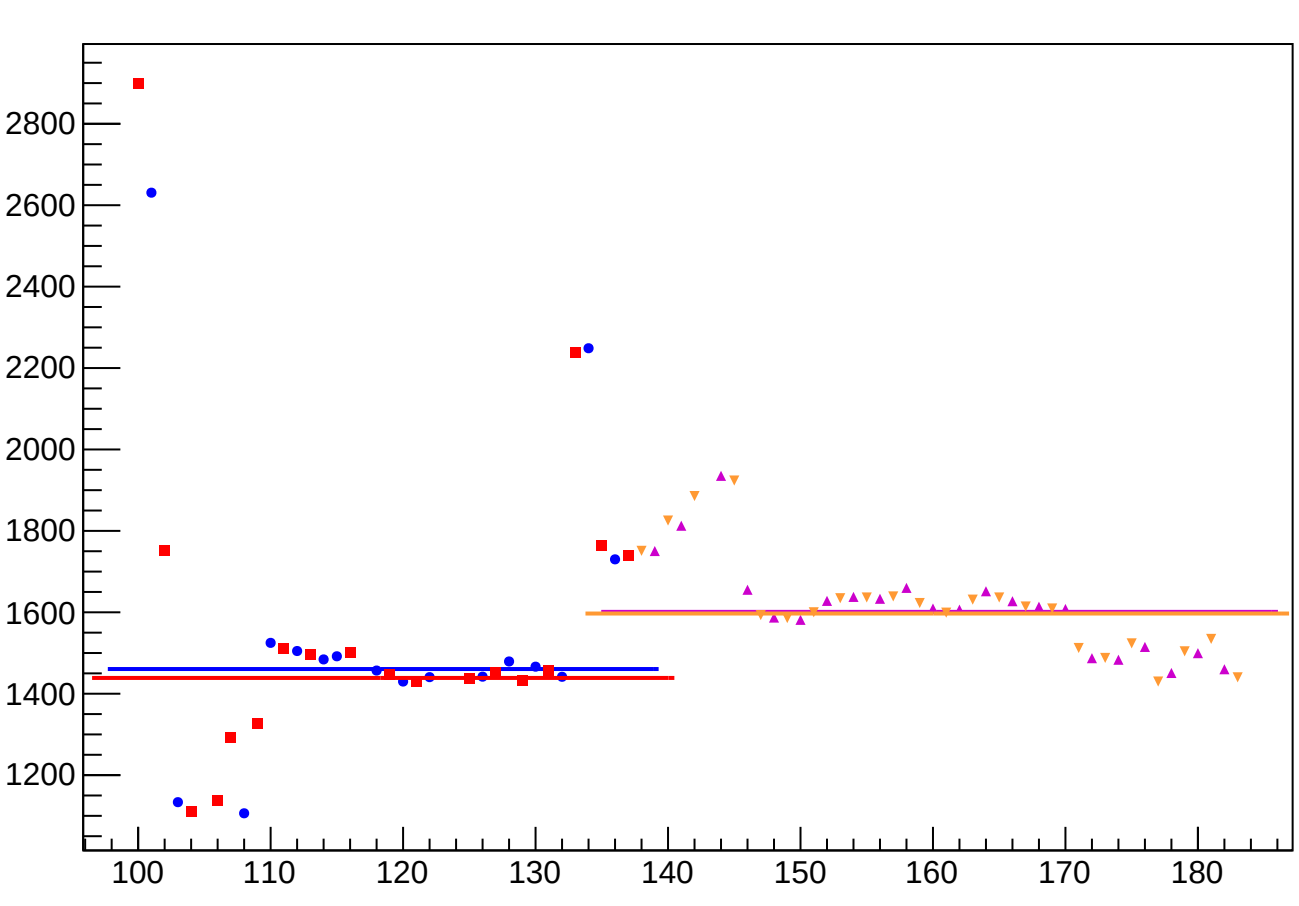
Left: 86.510+/-265.886 χ^2/NDF: 78.3/44

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -859.810+/-312.288 χ^2/NDF:15.4/37

Out: 643.516+/-309.020 χ^2/NDF:74.5/40

All: -100.240+/-219.657 χ^2/NDF: 101.6/78



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1596.976+/-0.265 χ^2/NDF:177983.2/22

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: 1599.002+/-0.188 χ^2/NDF: 341099.0/44

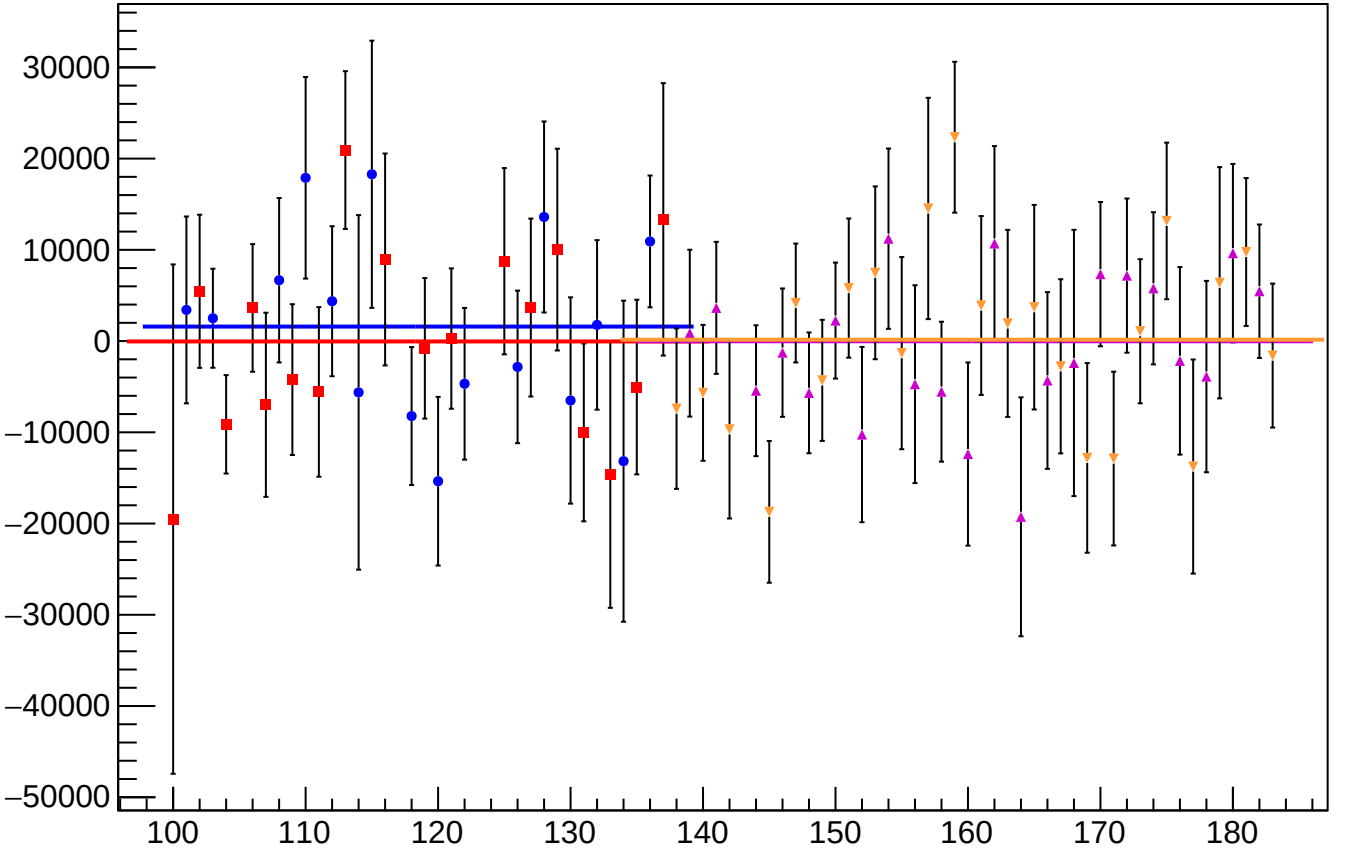
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1556.583+/-0.221 χ^2/NDF:826245.8/37

Out: 1546.477+/-0.218 χ^2/NDF:665447.6/40

All: 1551.473+/-0.155 χ^2/NDF: 1492752.6/78

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: 149.509+/-1836.132 χ^2/NDF:28.1/22

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -22.842+/-1835.376 χ^2/NDF:13.6/21

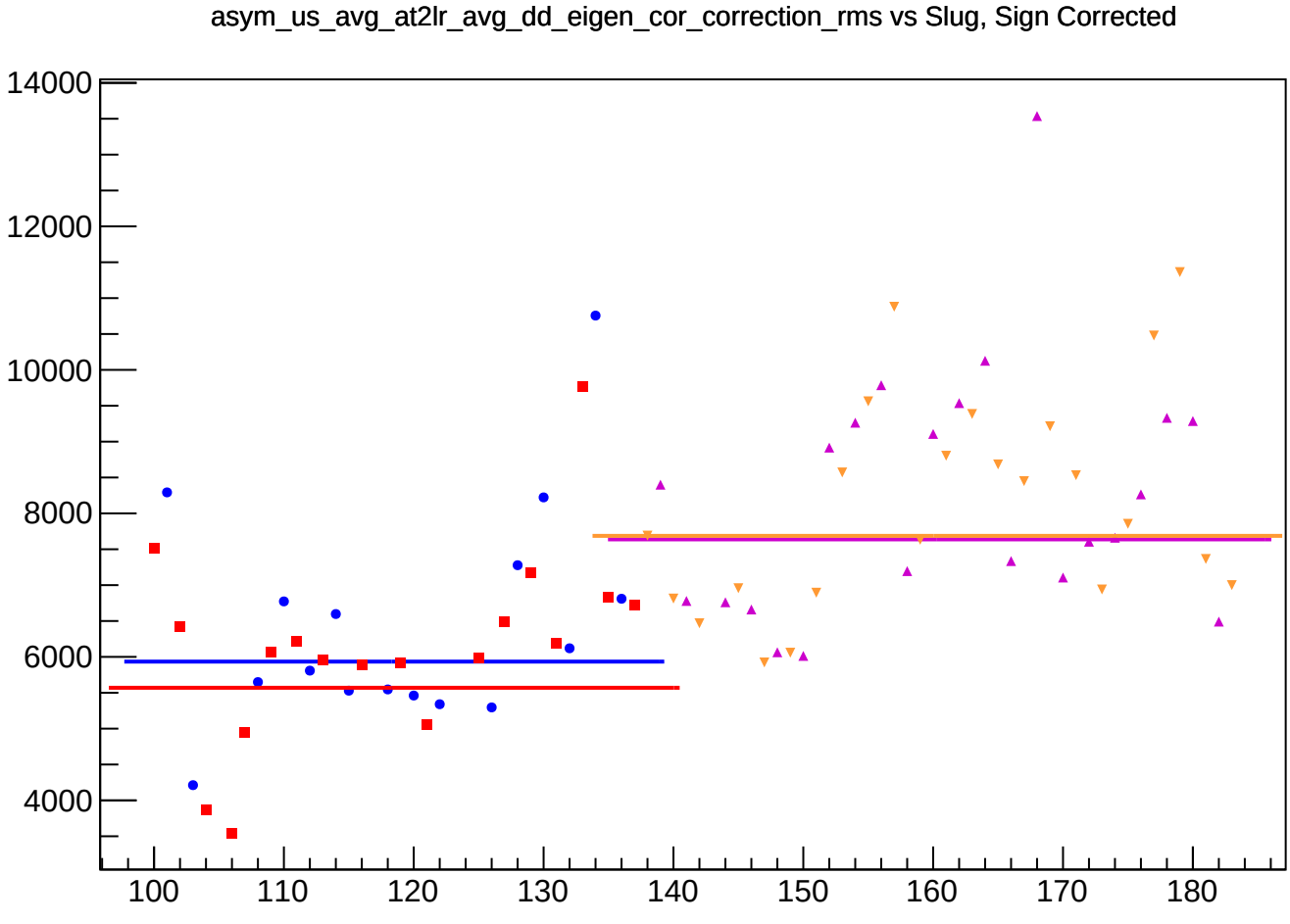
Left: 63.298+/-1298.074 χ^2/NDF: 41.7/44

Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 616.145+/-1425.796 χ^2/NDF:28.1/37

Out: 68.578+/-1391.573 χ^2/NDF:44.5/40

All: 335.711+/-995.870 χ^2/NDF: 72.7/78



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7686.659+/-1.298 χ^2/NDF:1071372.2/22

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7637.521+/-1.298 χ^2/NDF:1210958.1/21

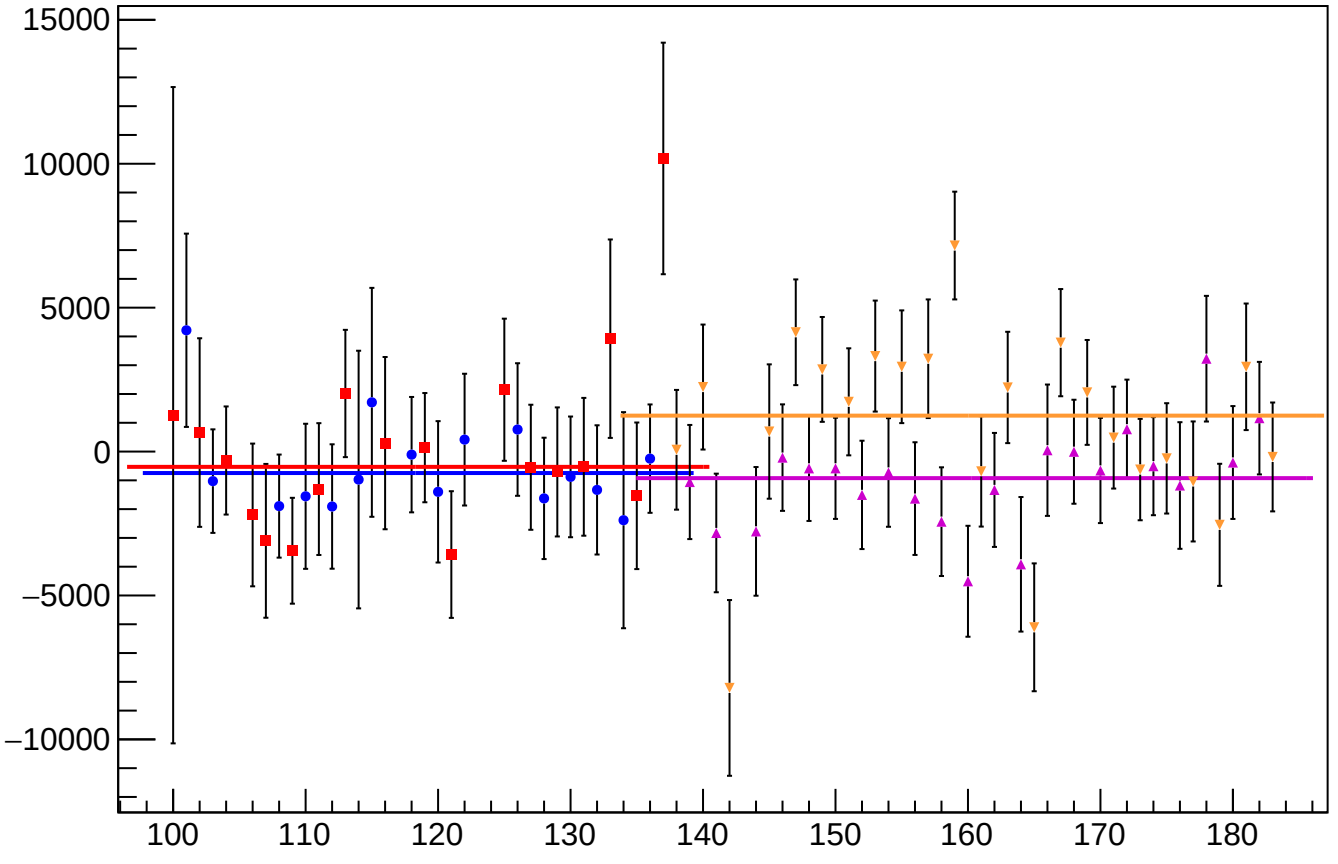
Left: 7662.080+/-0.918 χ^2/NDF: 2283046.8/44

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6962.128+/-1.008 χ^2/NDF:2547056.5/37

Out: 6785.614+/-0.984 χ^2/NDF:2927040.7/40

All: 6871.727+/-0.704 χ^2/NDF: 5489796.1/78



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1248.554+/-413.246 χ^2/NDF:48.1/22

Right Out: -531.292+/-575.115 χ^2/NDF: 17.7/17

Left In: -923.098+/-413.994 χ^2/NDF:14.1/21

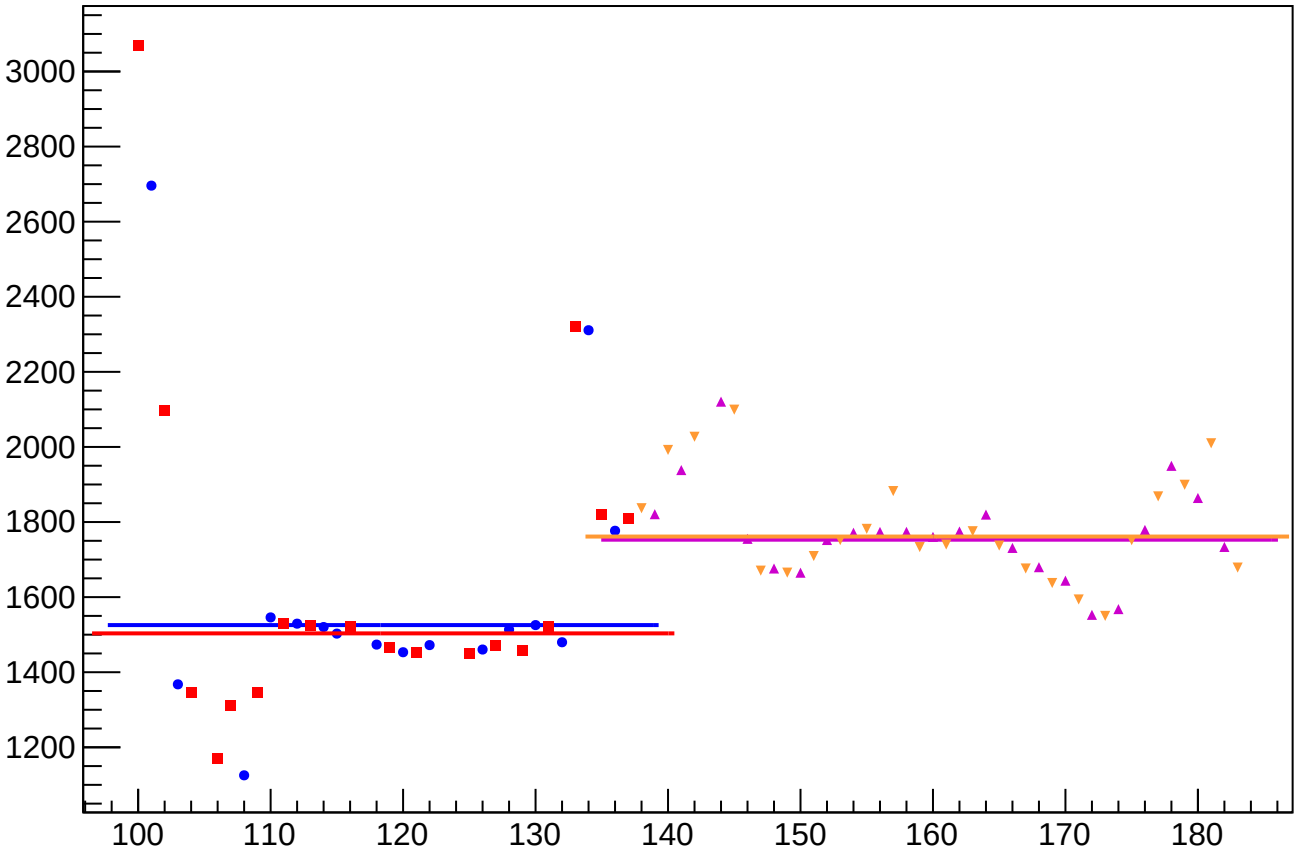
Left: 164.694+/-292.473 χ^2/NDF: 76.0/44

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -863.030+/-336.582 χ^2/NDF:18.9/37

Out: 642.512+/-335.594 χ^2/NDF:72.1/40

All: -108.048+/-237.649 χ^2/NDF: 101.1/78



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1761.331+/-0.292 χ^2/NDF:205762.3/22

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: 1757.164+/-0.207 χ^2/NDF: 374208.7/44

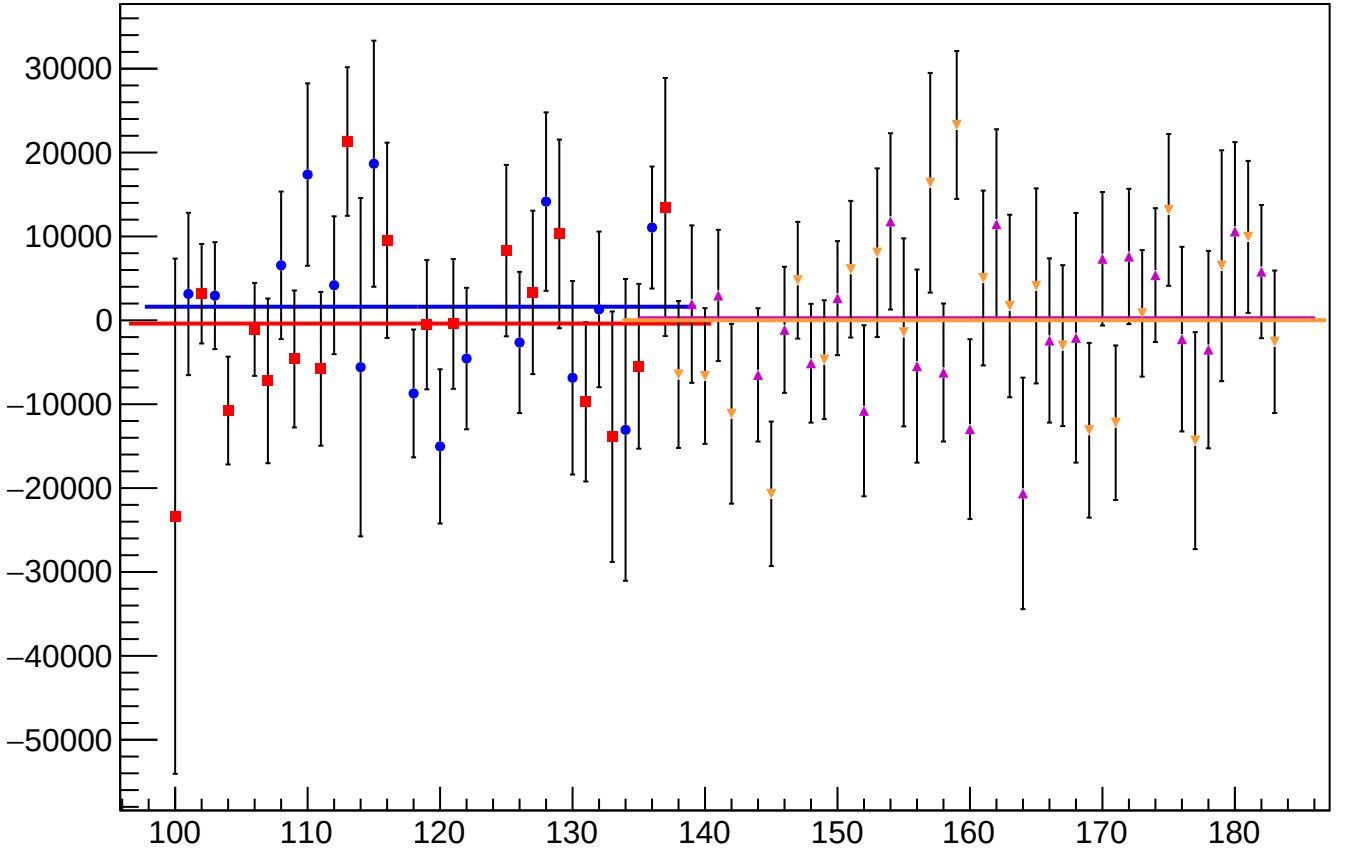
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1675.874+/-0.238 χ^2/NDF:861020.0/37

Out: 1673.483+/-0.237 χ^2/NDF:809603.1/40

All: 1674.675+/-0.168 χ^2/NDF: 1670673.8/78

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: 11.333+/-1936.100 χ^2/NDF:27.4/22

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: 247.177+/-1933.279 χ^2/NDF:13.4/21

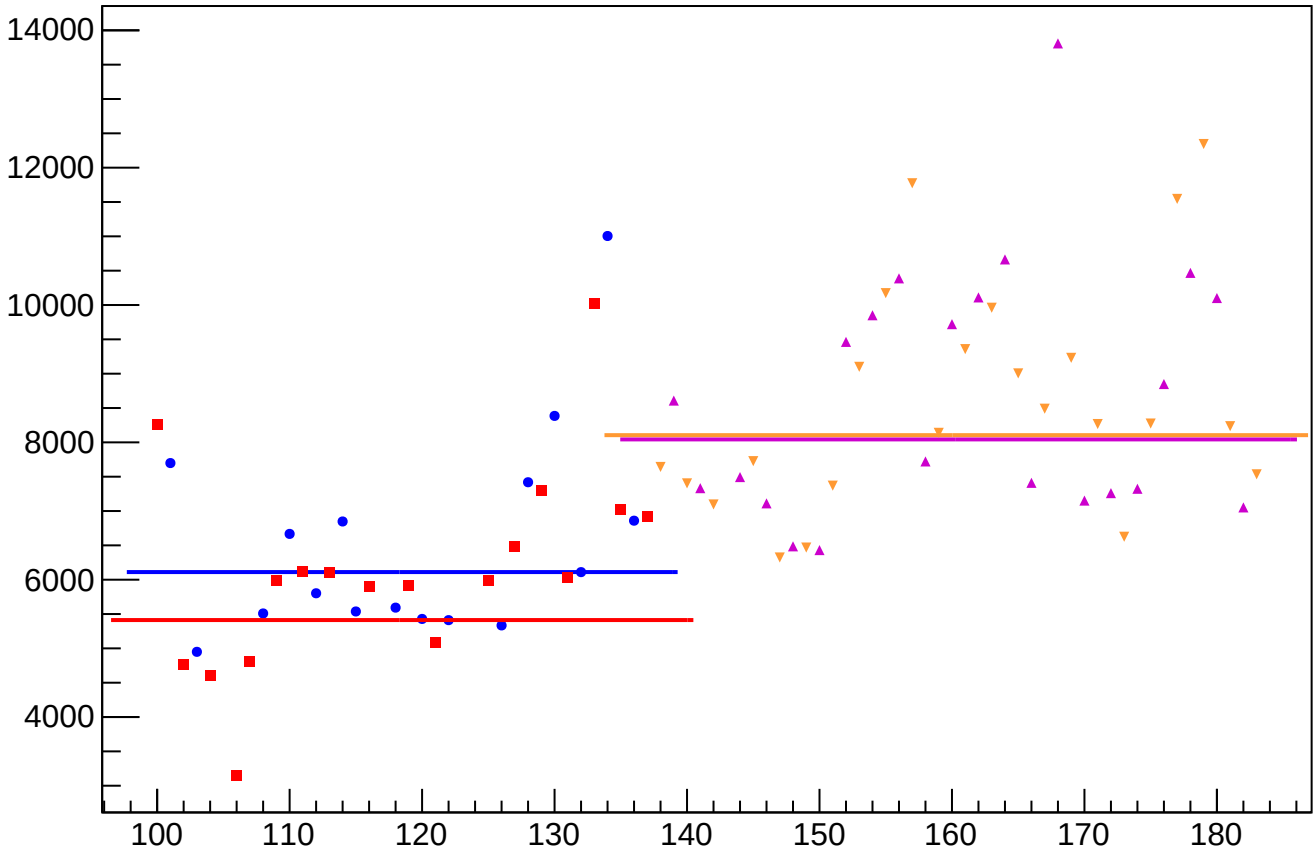
Left: 129.427+/-1368.031 χ^2/NDF: 40.8/44

Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 809.805+/-1485.212 χ^2/NDF:27.8/37

Out: -174.916+/-1411.077 χ^2/NDF:43.5/40

All: 292.256+/-1022.987 χ^2/NDF: 71.5/78



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8104.791+/-1.369 χ^2/NDF:1085727.5/22

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8042.899+/-1.367 χ^2/NDF:1215420.2/21

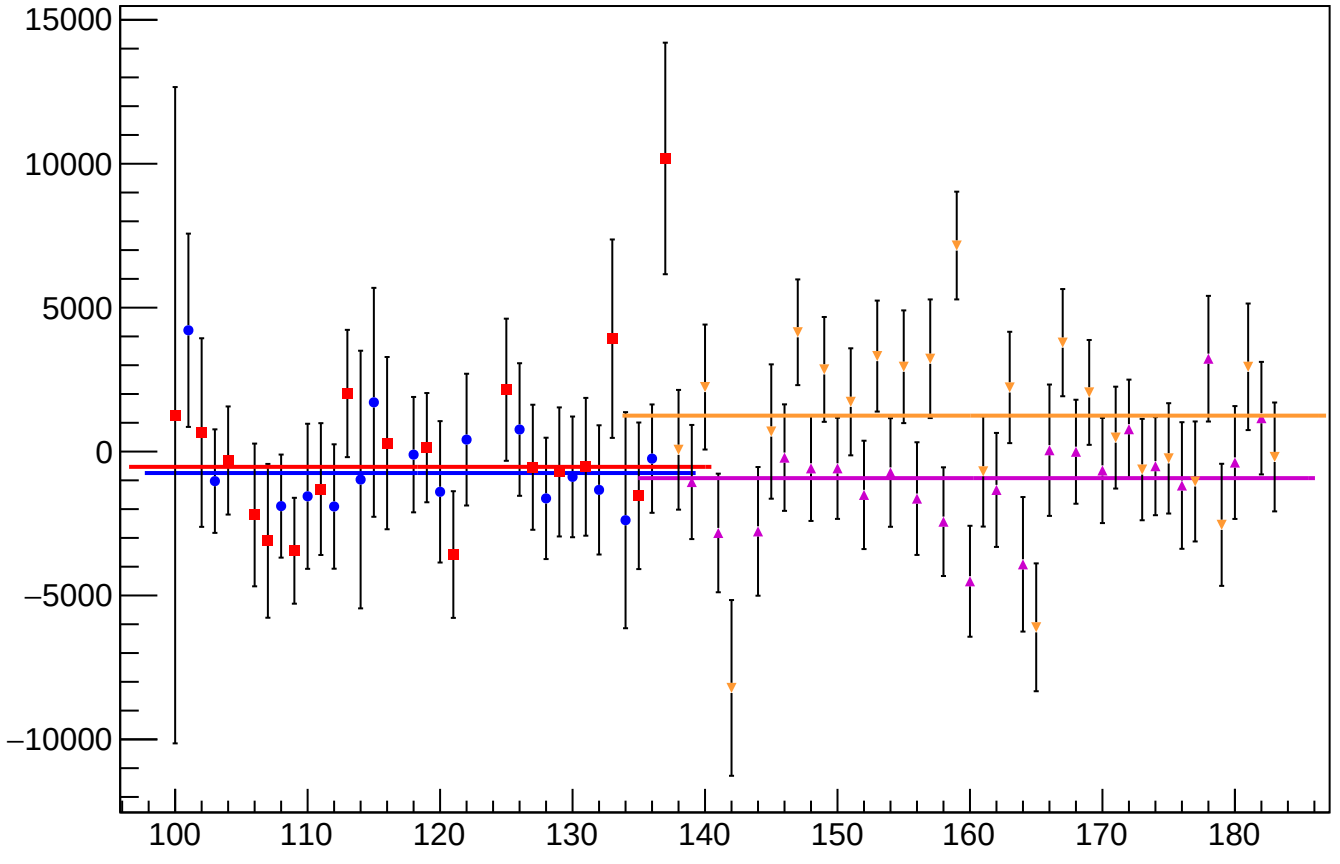
Left: 8073.799+/-0.967 χ^2/NDF: 2302171.1/44

Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7251.191+/-1.050 χ^2/NDF:2505512.2/37

Out: 6842.500+/-0.998 χ^2/NDF:3720651.0/40

All: 7036.391+/-0.723 χ^2/NDF: 6305757.6/78



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1248.562+/-413.246 χ^2/NDF:48.1/22

Right Out: -531.302+/-575.115 χ^2/NDF: 17.7/17

Left In: -923.097+/-413.995 χ^2/NDF:14.1/21

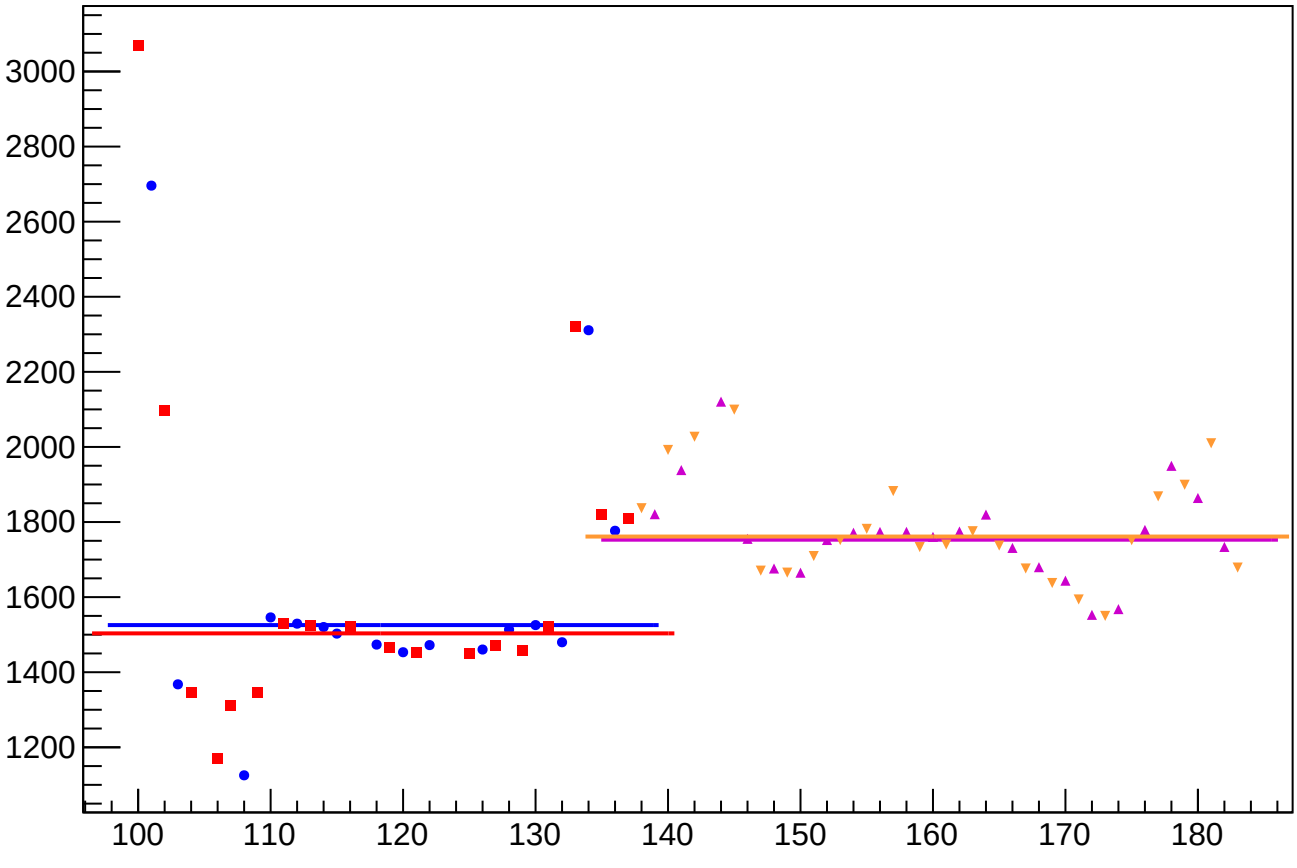
Left: 164.698+/-292.474 χ^2/NDF: 76.0/44

Right: -638.060+/-407.709 χ^2/NDF: 22.6/33

In: -863.031+/-336.582 χ^2/NDF:18.9/37

Out: 642.512+/-335.595 χ^2/NDF:72.1/40

All: -108.048+/-237.650 χ^2/NDF: 101.1/78



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1761.334+/-0.292 χ^2/NDF:205770.8/22

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1752.985+/-0.293 χ^2/NDF:168047.0/21

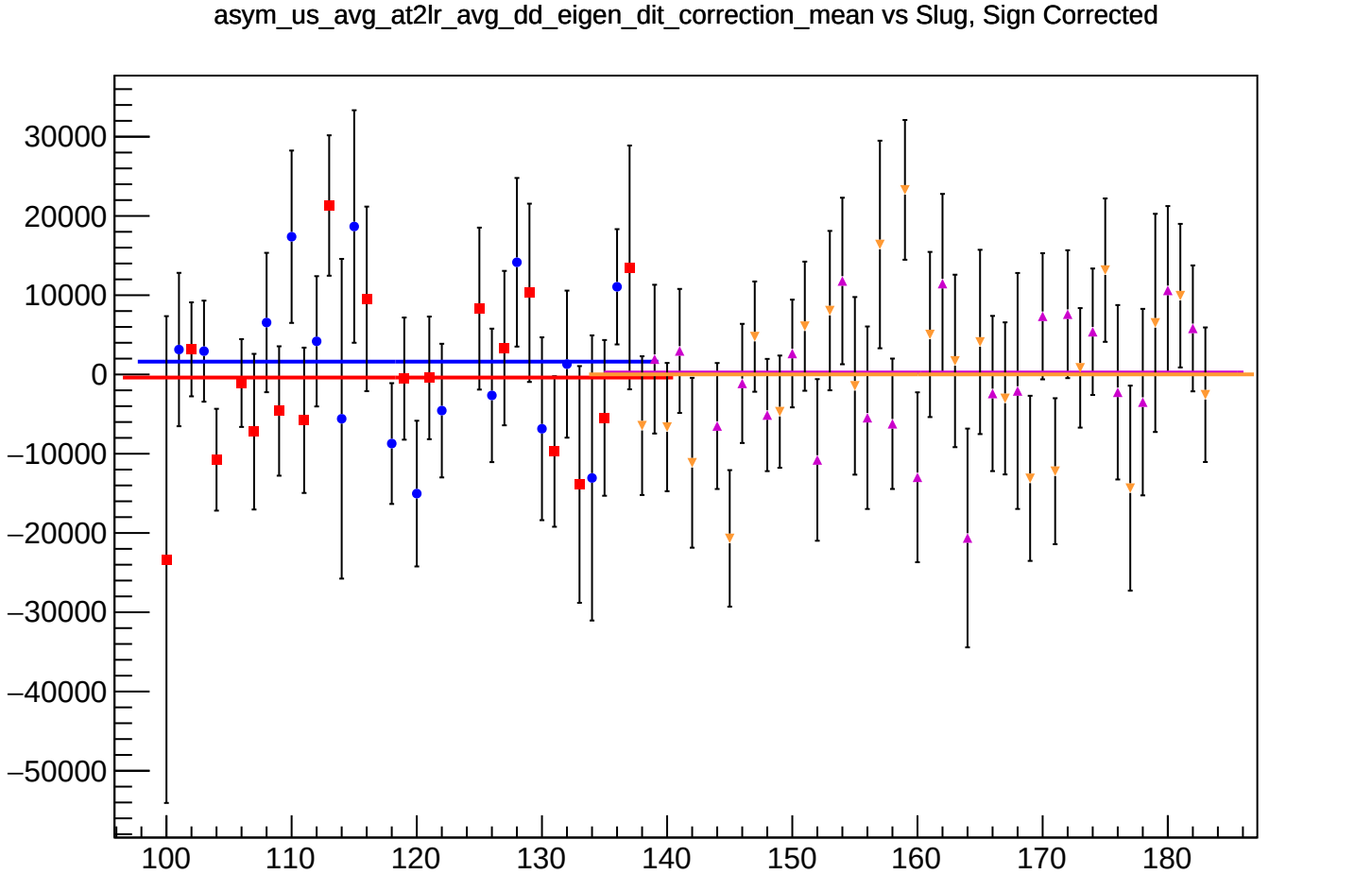
Left: 1757.167+/-0.207 χ^2/NDF: 374225.2/44

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1675.876+/-0.238 χ^2/NDF:861032.5/37

Out: 1673.484+/-0.237 χ^2/NDF:809616.7/40

All: 1674.677+/-0.168 χ^2/NDF: 1670699.9/78



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: 11.334+/-1936.103 χ^2/NDF:27.4/22

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 247.179+/-1933.282 χ^2/NDF:13.4/21

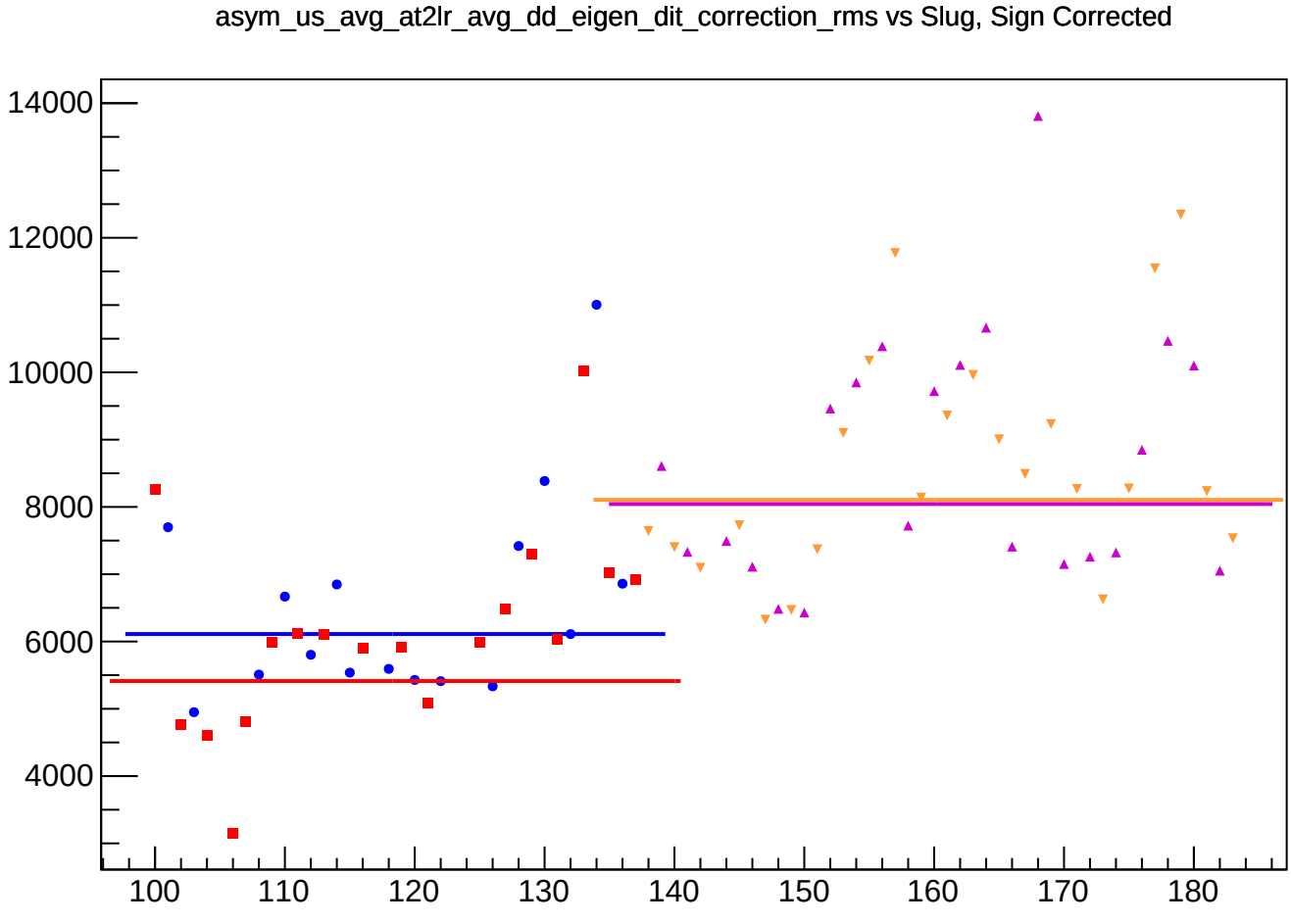
Left: 129.429+/-1368.033 χ^2/NDF: 40.8/44

Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 809.801+/-1485.212 χ^2/NDF:27.8/37

Out: -174.919+/-1411.077 χ^2/NDF:43.5/40

All: 292.252+/-1022.987 χ^2/NDF: 71.5/78



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 8104.803+/-1.369 χ^2/NDF:1085730.2/22

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 8042.910+/-1.367 χ^2/NDF:1215424.7/21

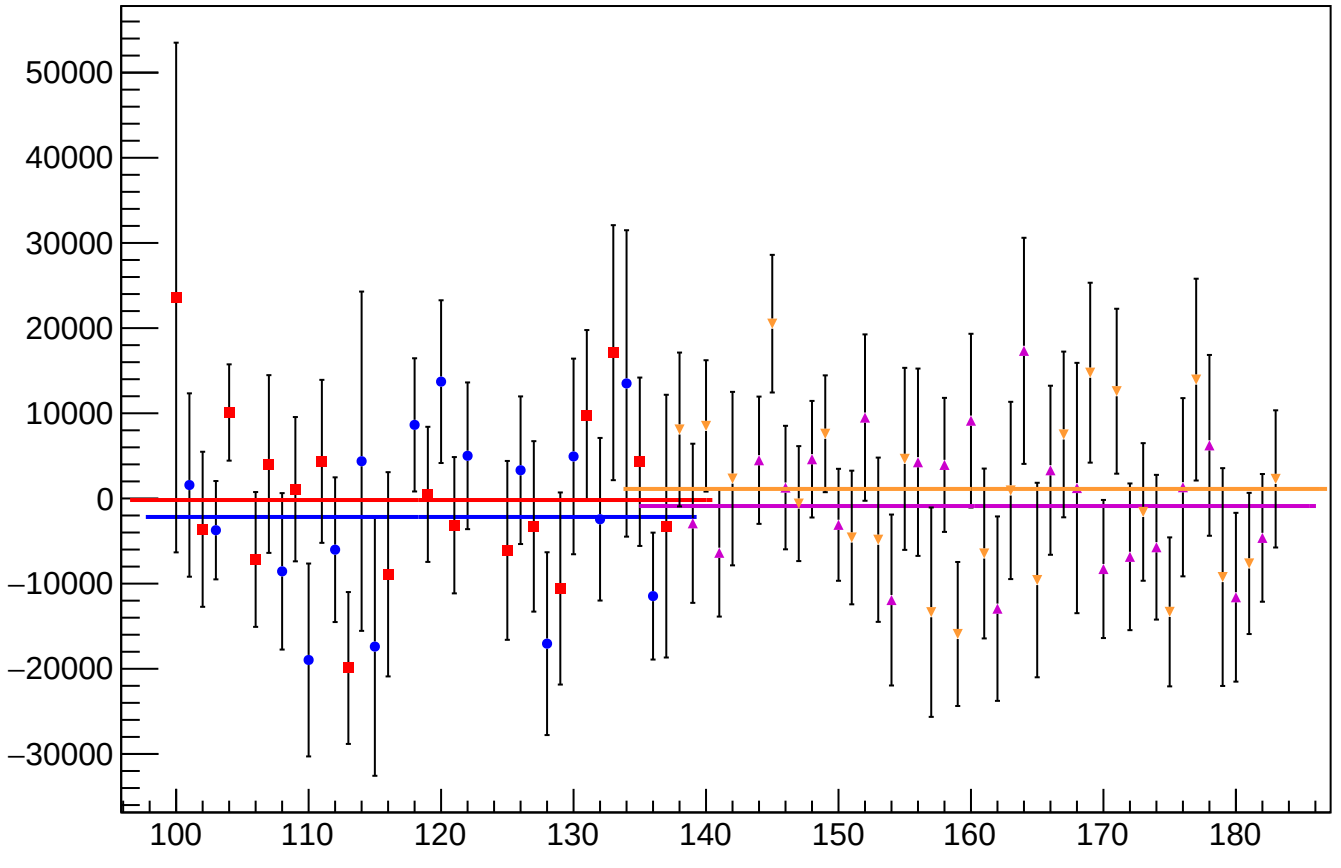
Left: 8073.811+/-0.967 χ^2/NDF: 2302178.3/44

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7251.189+/-1.050 χ^2/NDF:2505541.1/37

Out: 6842.496+/-0.998 χ^2/NDF:3720687.0/40

All: 7036.388+/-0.723 χ^2/NDF: 6305823.1/78



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1118.016+/-1881.921 χ^2/NDF:25.5/22

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: -889.048+/-1881.023 χ^2/NDF:12.7/21

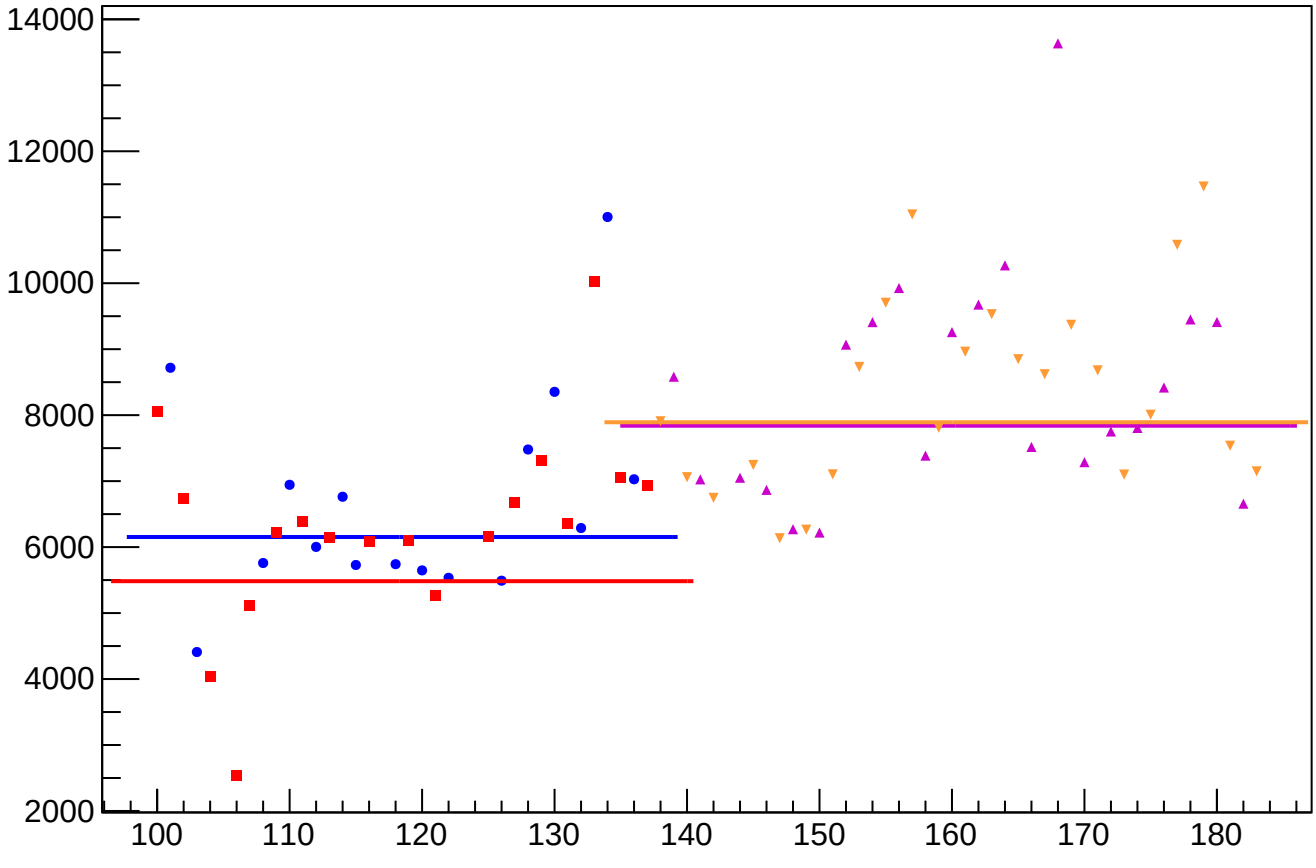
Left: 114.005+/-1330.401 χ^2/NDF: 38.8/44

Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -1391.453+/-1467.949 χ^2/NDF:27.5/37

Out: 576.307+/-1437.922 χ^2/NDF:40.3/40

All: -387.241+/-1027.216 χ^2/NDF: 68.7/78



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7892.328+/-1.331 χ^2/NDF:983971.6/22

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7840.003+/-1.330 χ^2/NDF:1118307.0/21

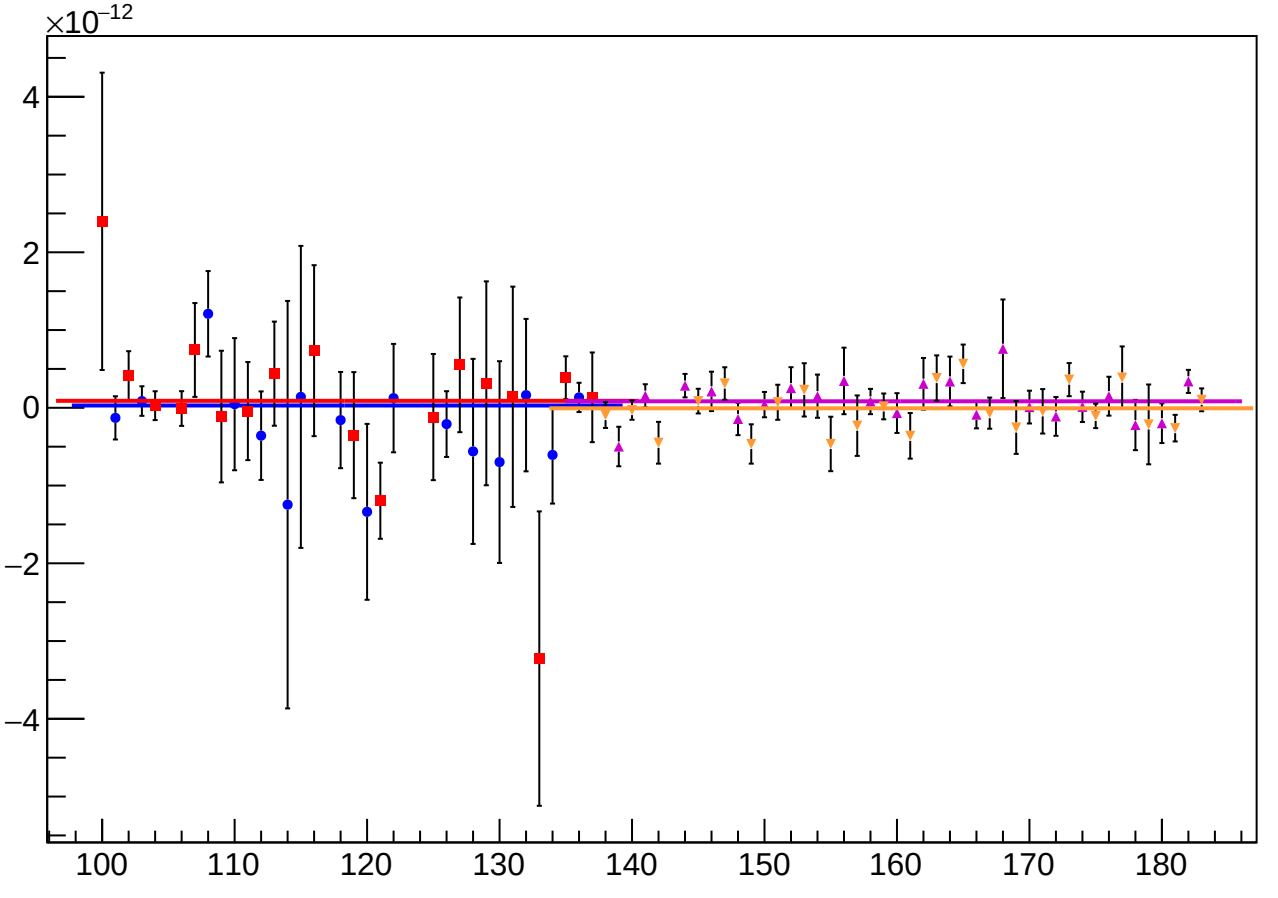
Left: 7866.153+/-0.941 χ^2/NDF: 2103052.0/44

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 7180.299+/-1.038 χ^2/NDF:2371531.2/37

Out: 6846.661+/-1.001 χ^2/NDF:3555196.1/40

All: 7007.441+/-0.721 χ^2/NDF: 5980254.5/78



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:19.1/21

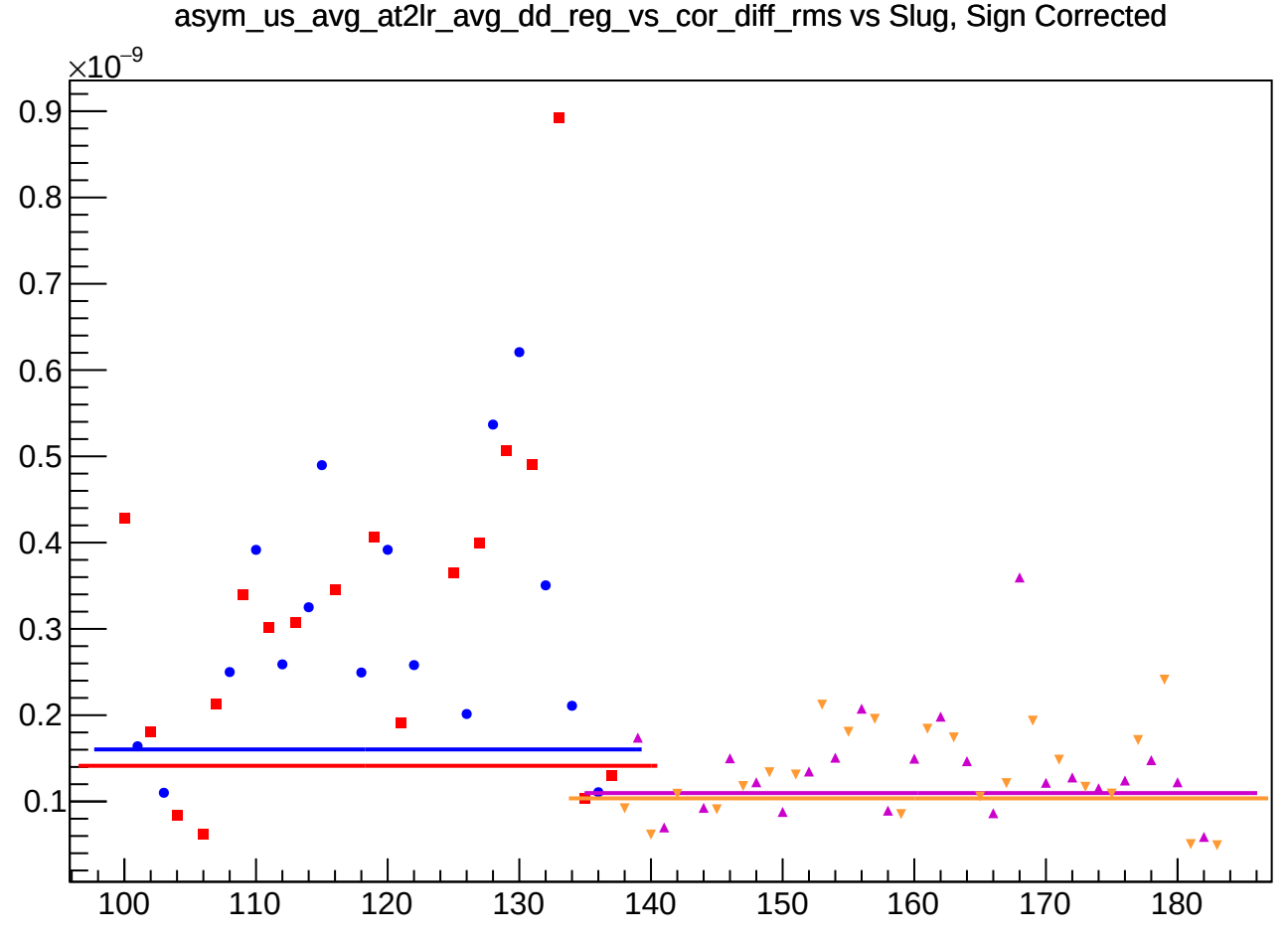
Left: 0.000+/-0.000 χ^2/NDF: 49.3/44

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:45.4/40

All: 0.000+/-0.000 χ^2/NDF: 75.5/78



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1903004.4/22

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: 3367145.7/44

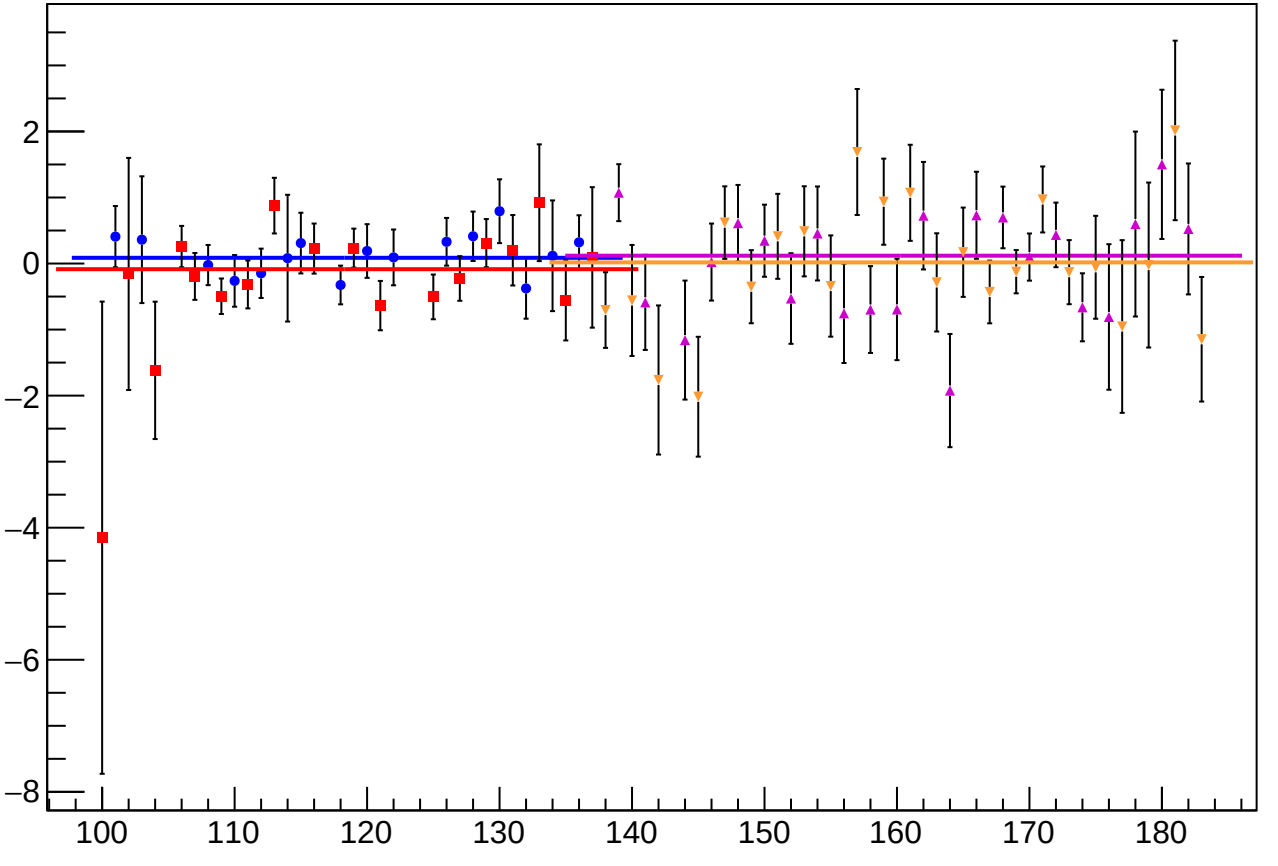
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:3172710.5/37

Out: 0.000+/-0.000 χ^2/NDF:4297326.9/40

All: 0.000+/-0.000 χ^2/NDF: 7512520.3/78

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: 0.017+/-0.135 χ^2/NDF:28.7/22

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.119+/-0.133 χ^2/NDF:27.8/21

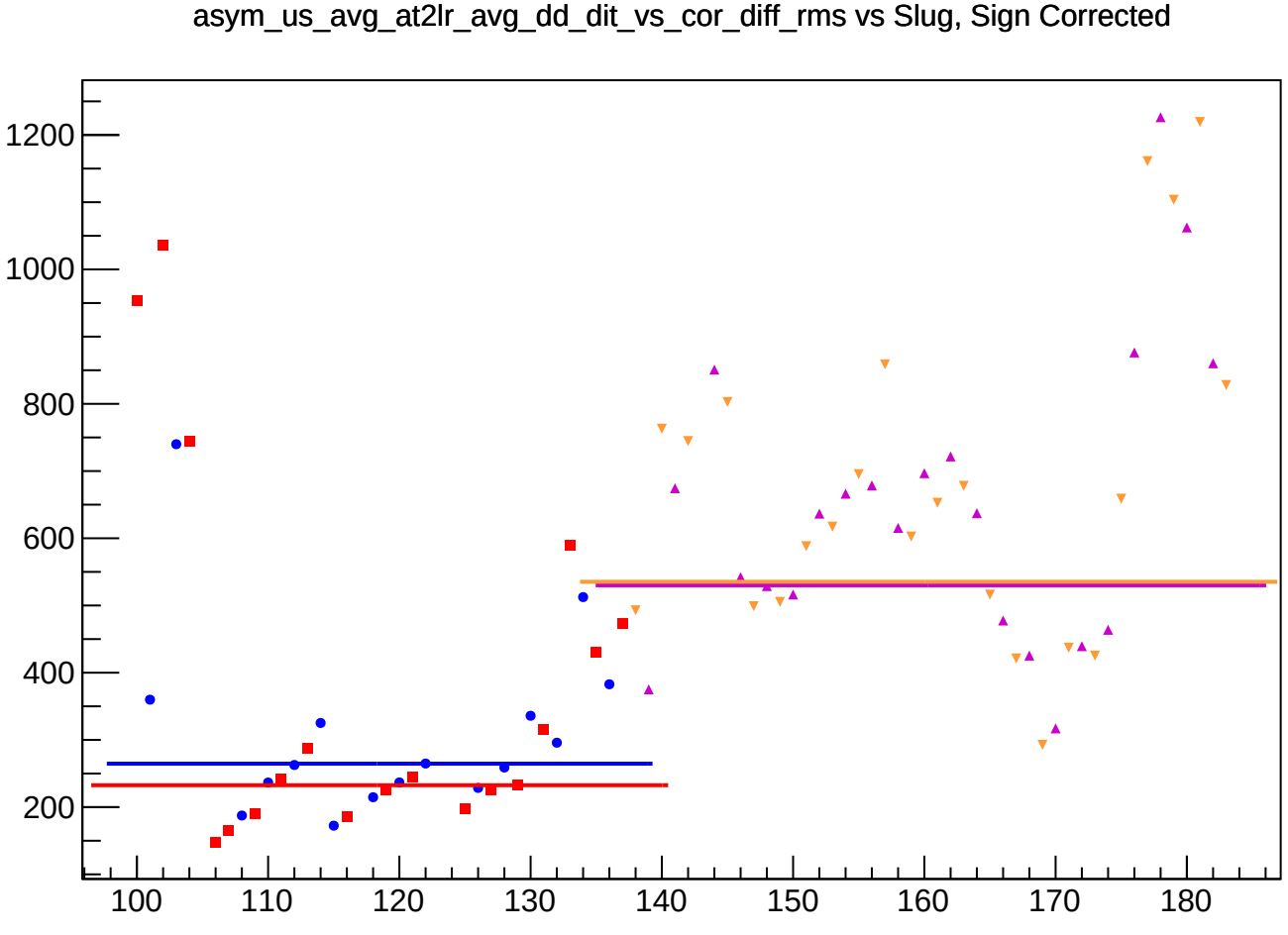
Left: 0.069+/-0.095 χ^2/NDF: 56.8/44

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.099+/-0.082 χ^2/NDF:36.6/37

Out: -0.050+/-0.079 χ^2/NDF:50.9/40

All: 0.021+/-0.057 χ^2/NDF: 89.3/78



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 535.286+/-0.095 χ^2/NDF:3936065.6/22

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: 532.625+/-0.067 χ^2/NDF: 7286387.1/44

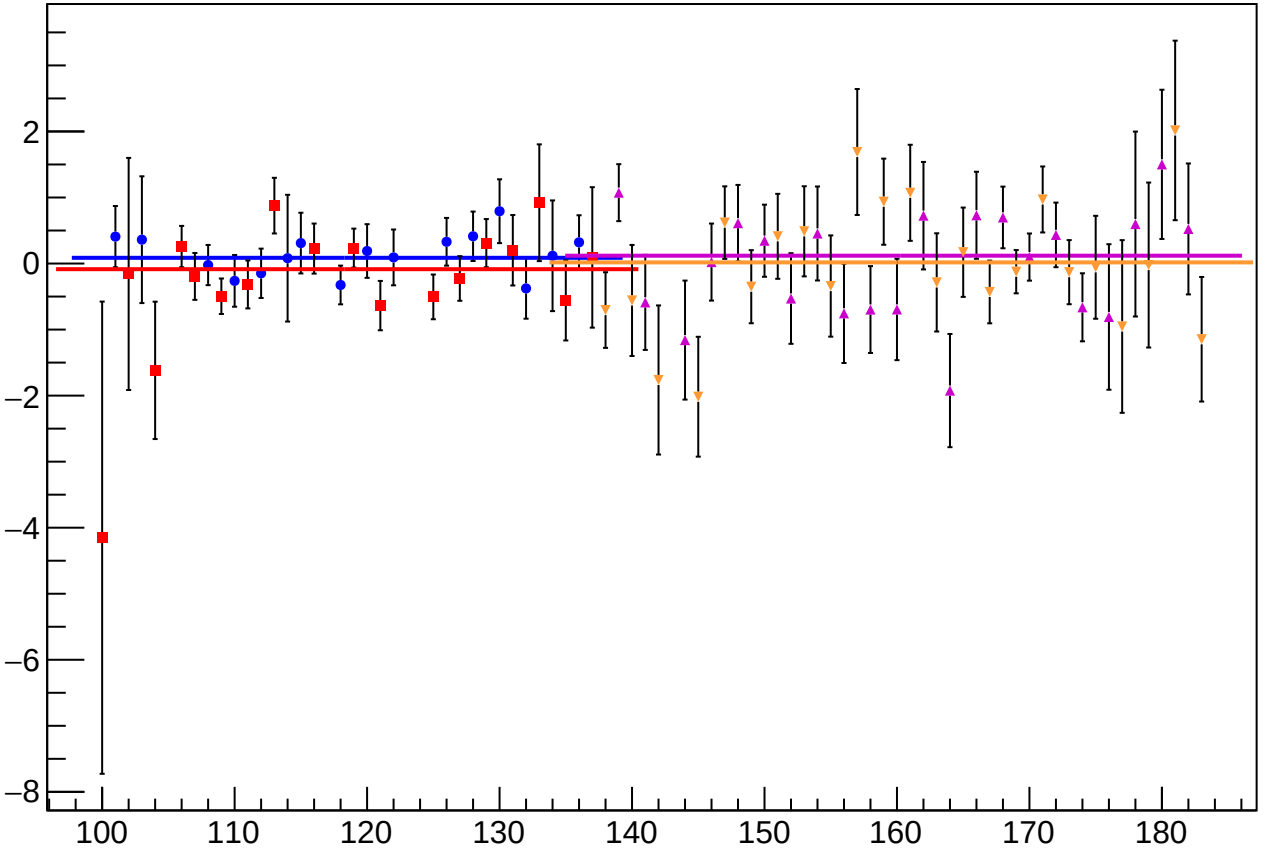
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 366.482+/-0.058 χ^2/NDF:9526542.7/37

Out: 336.518+/-0.056 χ^2/NDF:12608965.3/40

All: 350.829+/-0.040 χ^2/NDF: 22273353.4/78

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: 0.017+/-0.135 χ^2/NDF:28.7/22

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: 0.069+/-0.095 χ^2/NDF: 56.8/44

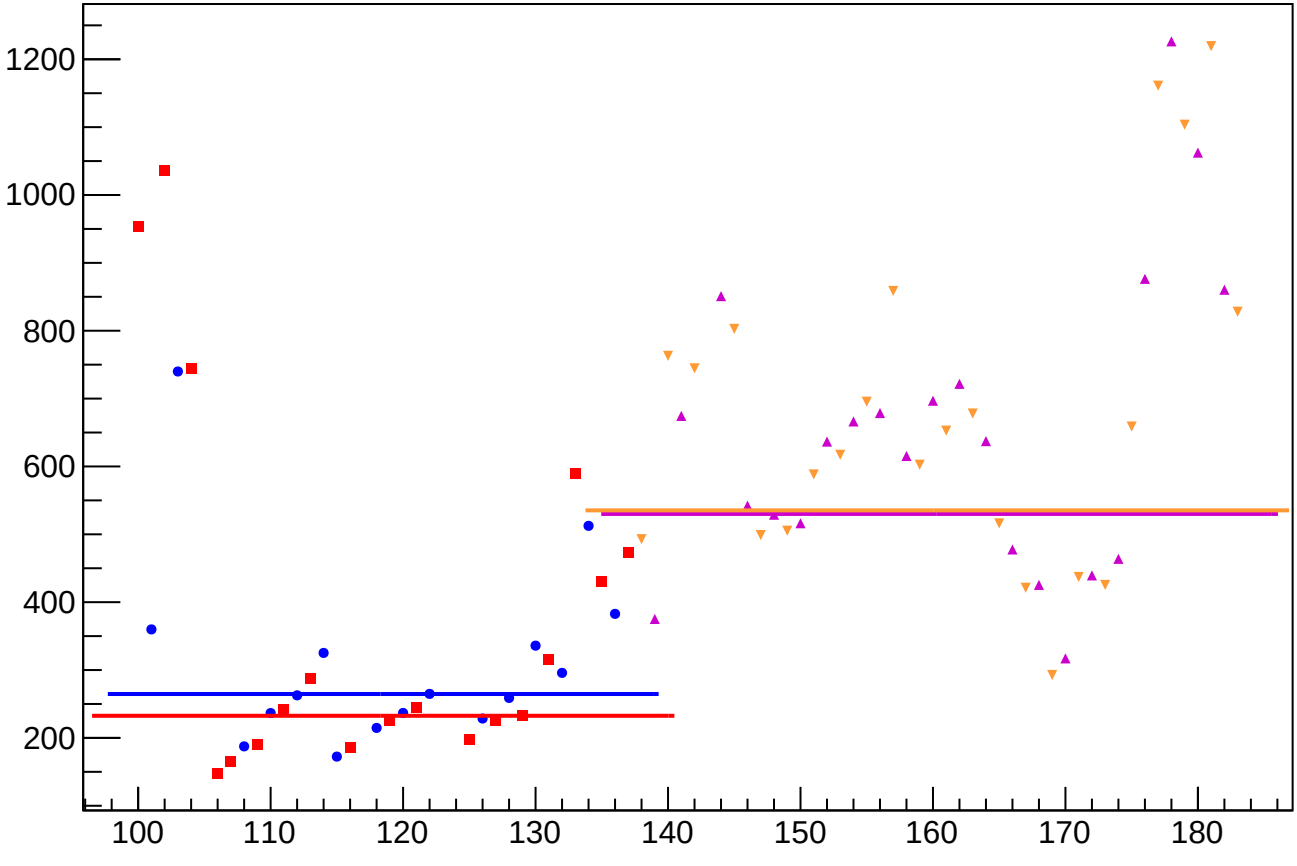
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.099+/-0.082 χ^2/NDF:36.6/37

Out: -0.050+/-0.079 χ^2/NDF:50.9/40

All: 0.021+/-0.057 χ^2/NDF: 89.3/78

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: 535.286+/-0.095 χ^2/NDF:3936065.6/22

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 530.021+/-0.094 χ^2/NDF:3348774.8/21

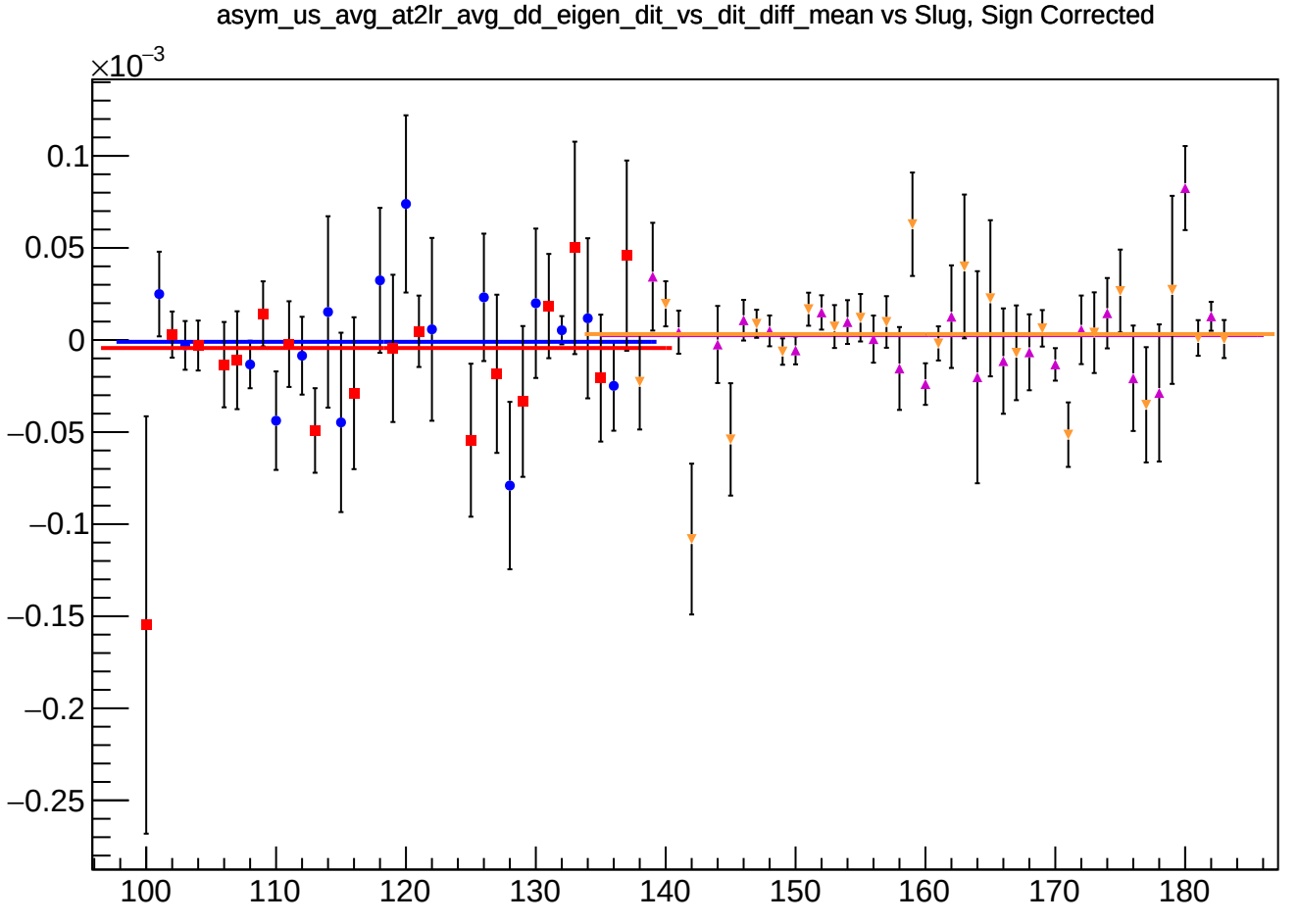
Left: 532.625+/-0.067 χ^2/NDF: 7286387.1/44

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 366.482+/-0.058 χ^2/NDF:9526542.7/37

Out: 336.518+/-0.056 χ^2/NDF:12608965.3/40

All: 350.829+/-0.040 χ^2/NDF: 22273353.4/78



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.9/22

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: 69.0/44

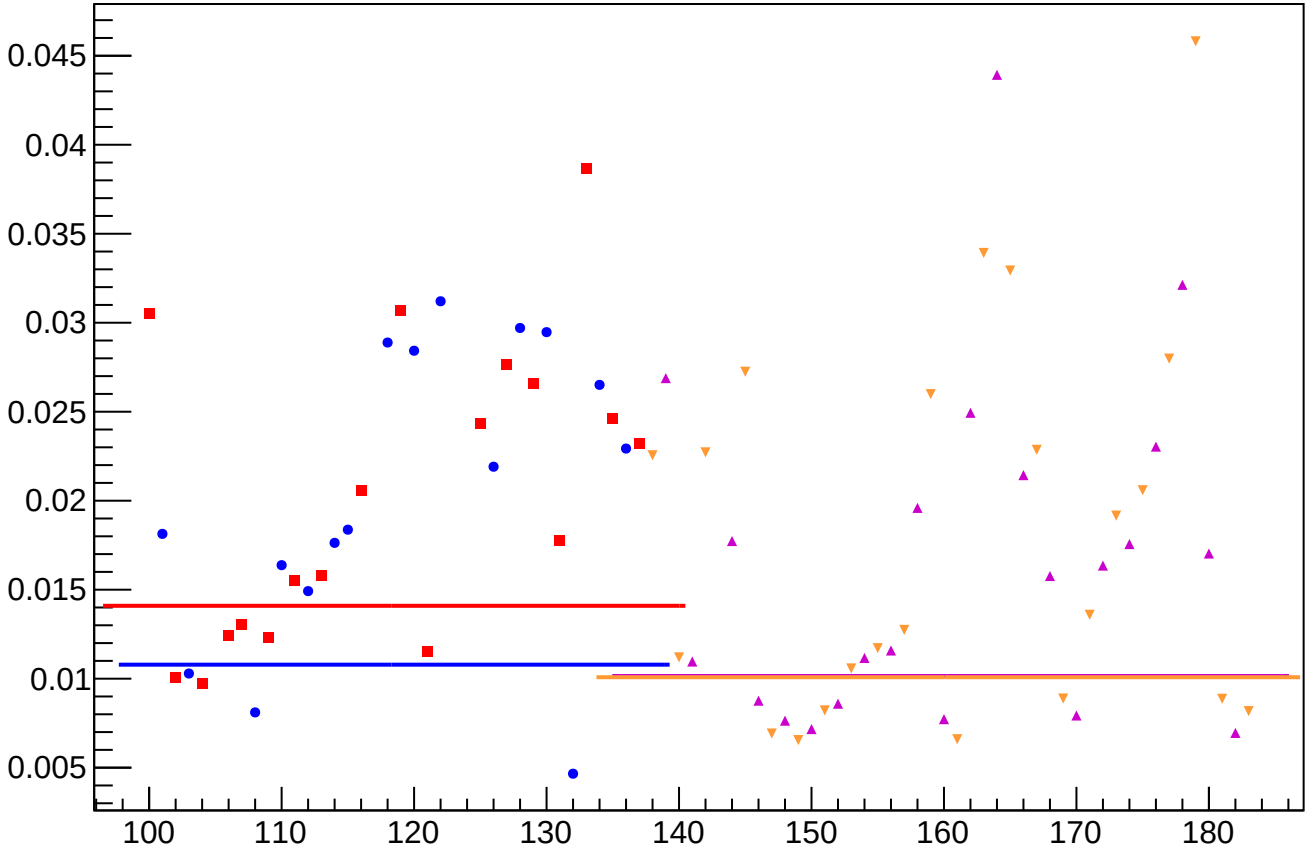
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:45.9/37

Out: 0.000+/-0.000 χ^2/NDF:51.9/40

All: 0.000+/-0.000 χ^2/NDF: 97.8/78

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:7693716.2/22

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: 13658915.5/44

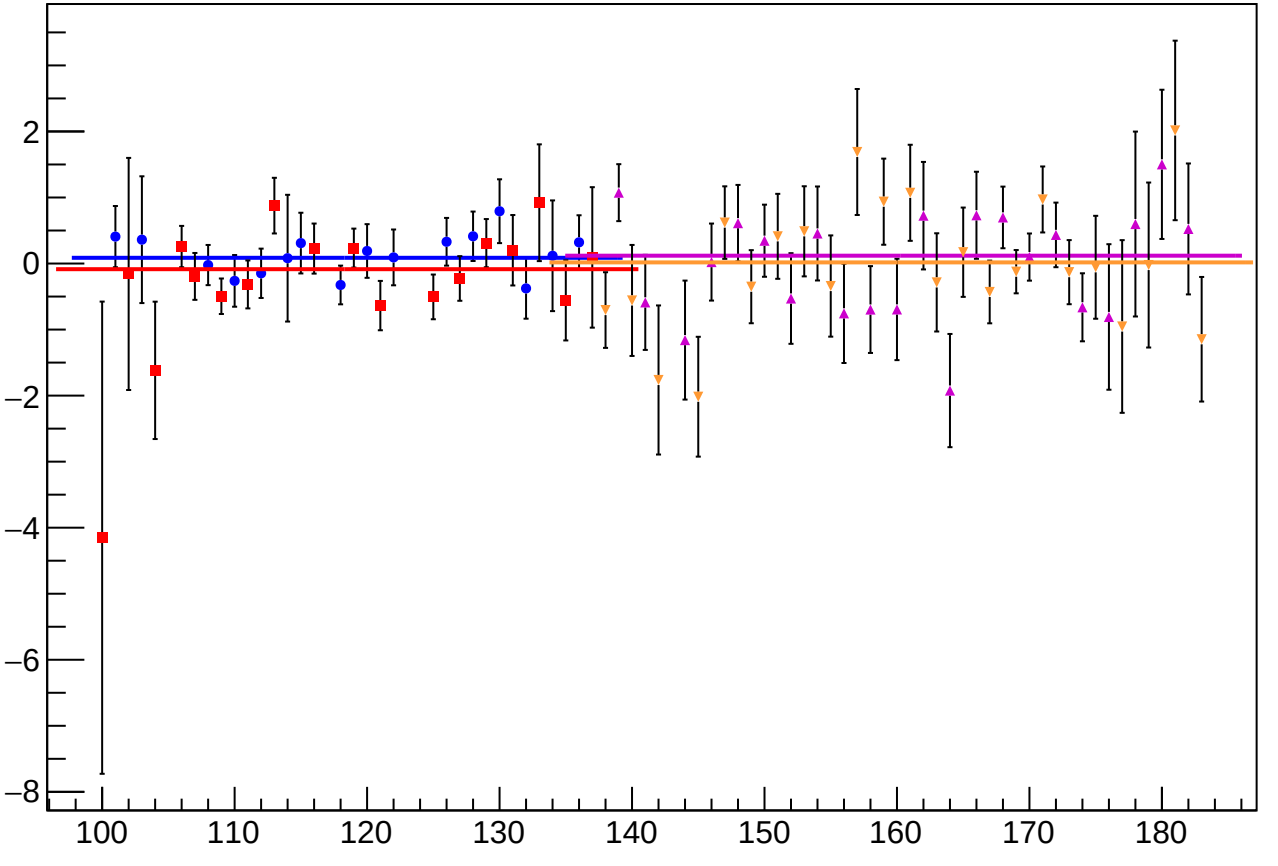
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:10569516.0/37

Out: 0.011+/-0.000 χ^2/NDF:10575908.6/40

All: 0.011+/-0.000 χ^2/NDF: 21191992.0/78

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.017+/-0.135 χ^2/NDF:28.7/22

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: 0.069+/-0.095 χ^2/NDF: 56.8/44

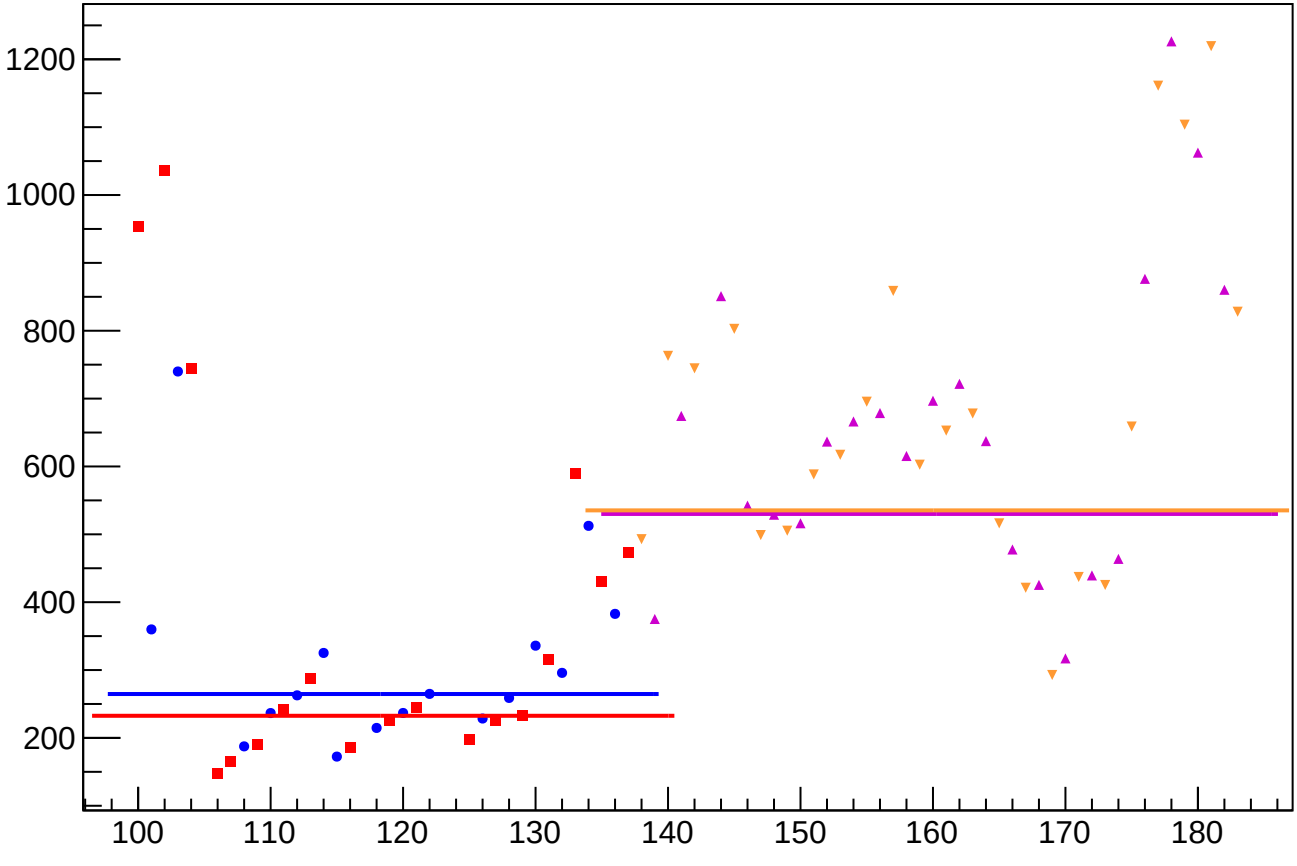
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.099+/-0.082 χ^2/NDF:36.7/37

Out: -0.050+/-0.079 χ^2/NDF:50.9/40

All: 0.021+/-0.057 χ^2/NDF: 89.3/78

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: 535.287+/-0.095 χ^2/NDF:3936242.0/22

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: 532.627+/-0.067 χ^2/NDF: 7286644.8/44

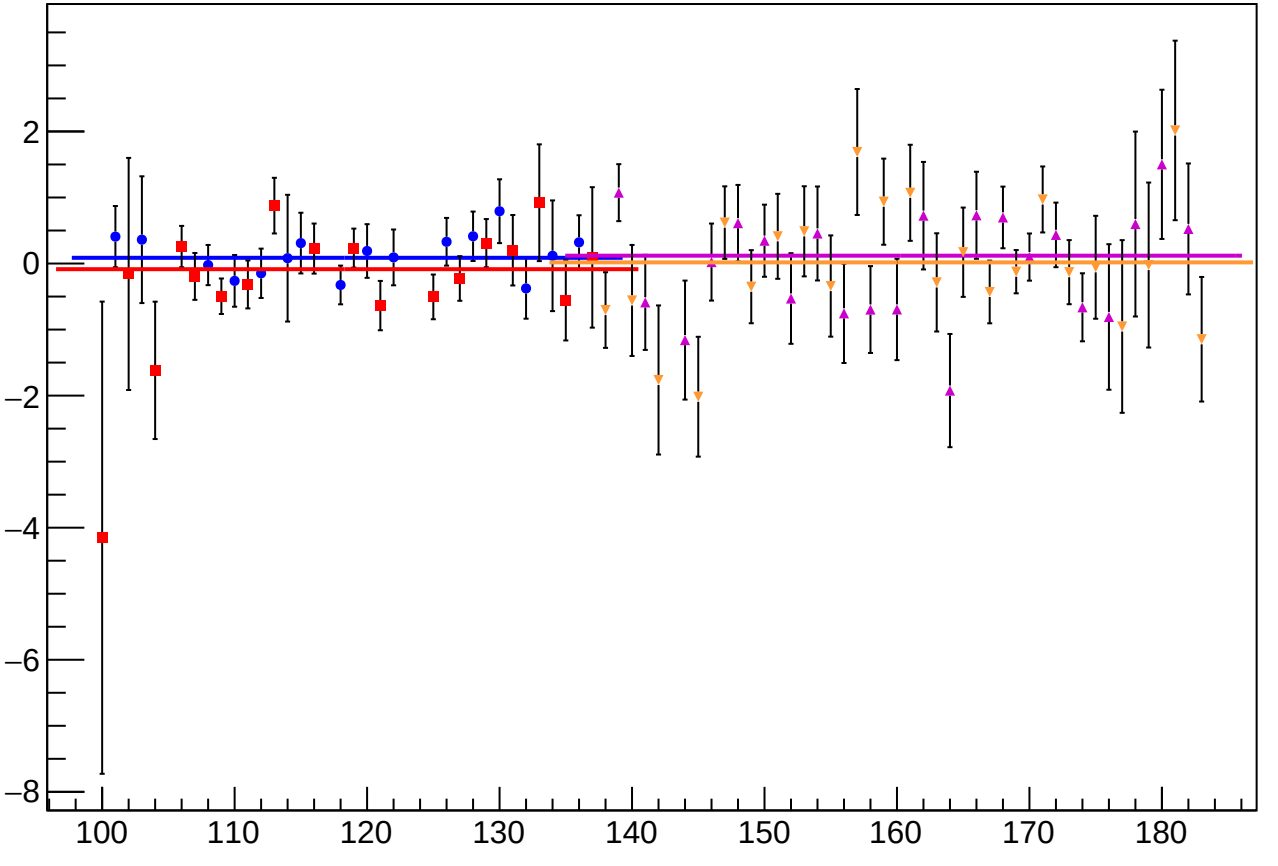
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 366.482+/-0.058 χ^2/NDF:9526681.4/37

Out: 336.519+/-0.056 χ^2/NDF:12609083.4/40

All: 350.830+/-0.040 χ^2/NDF: 22273605.7/78

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: 0.017+/-0.135 χ^2/NDF:28.7/22

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.119+/-0.133 χ^2/NDF:27.8/21

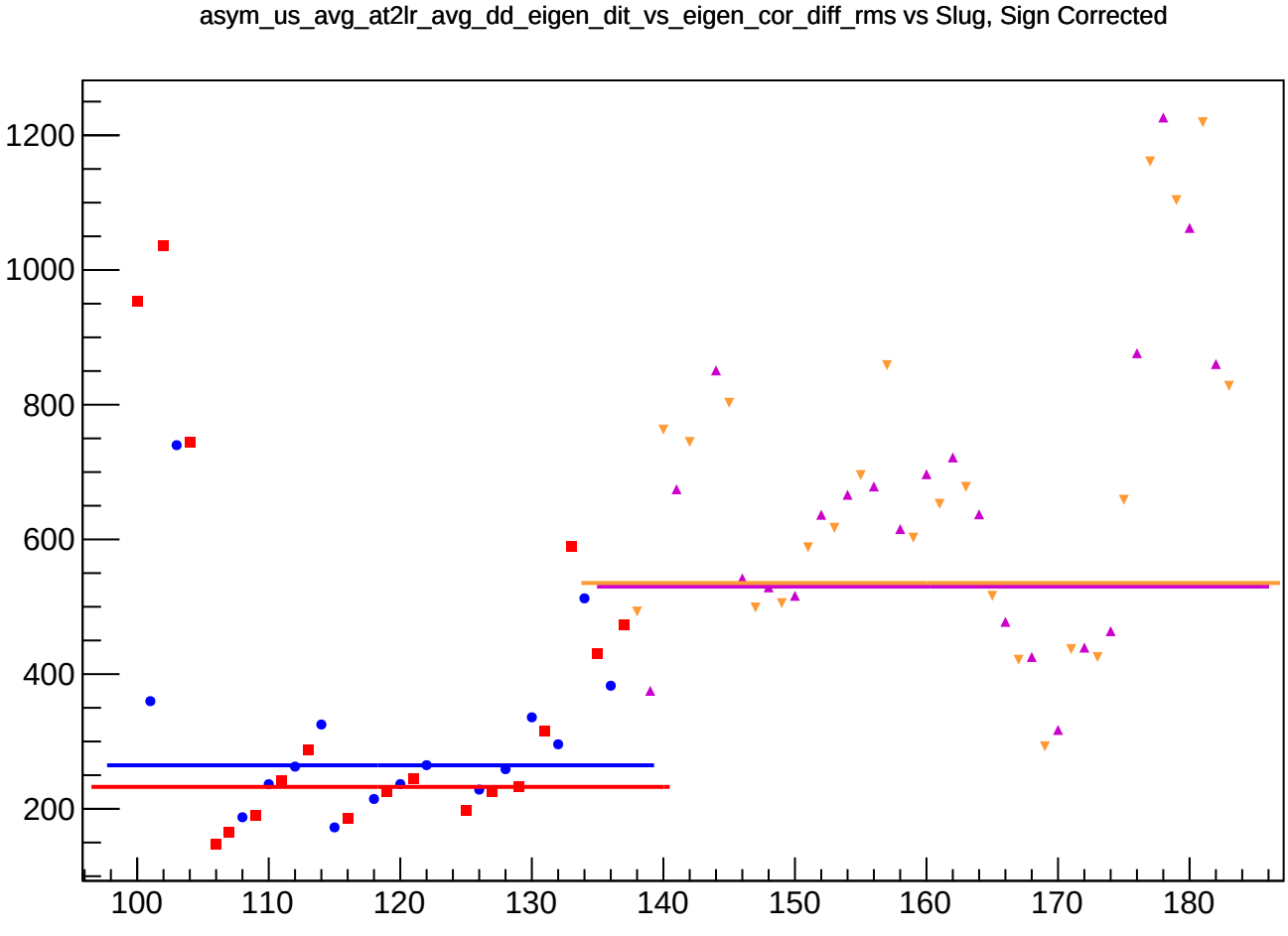
Left: 0.069+/-0.095 χ^2/NDF: 56.8/44

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.099+/-0.082 χ^2/NDF:36.7/37

Out: -0.050+/-0.079 χ^2/NDF:50.9/40

All: 0.021+/-0.057 χ^2/NDF: 89.3/78



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 535.287+/-0.095 χ^2/NDF:3936242.0/22

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 530.024+/-0.094 χ^2/NDF:3348857.7/21

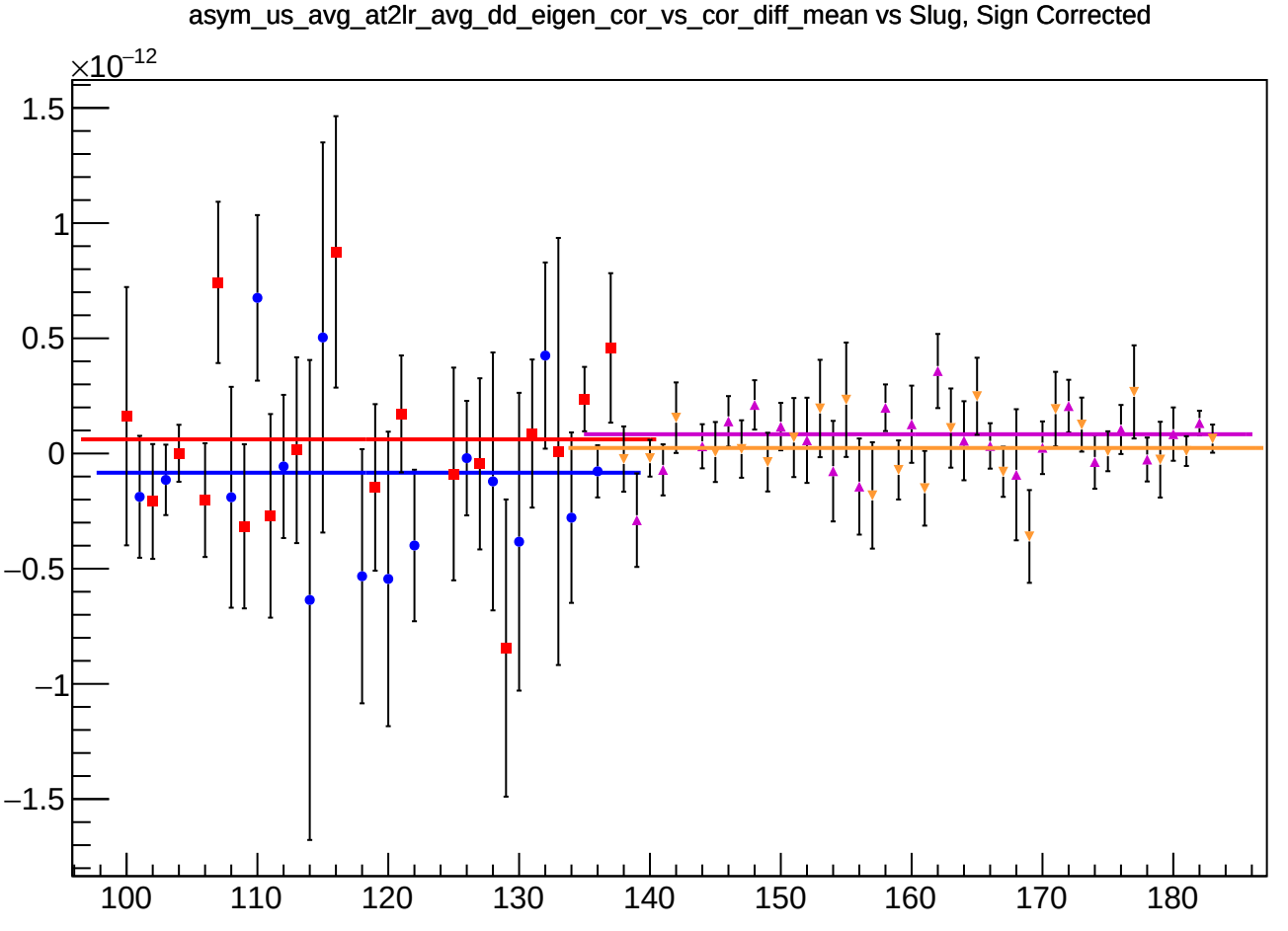
Left: 532.627+/-0.067 χ^2/NDF: 7286644.8/44

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 366.482+/-0.058 χ^2/NDF:9526681.4/37

Out: 336.519+/-0.056 χ^2/NDF:12609083.4/40

All: 350.830+/-0.040 χ^2/NDF: 22273605.7/78



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:18.8/21

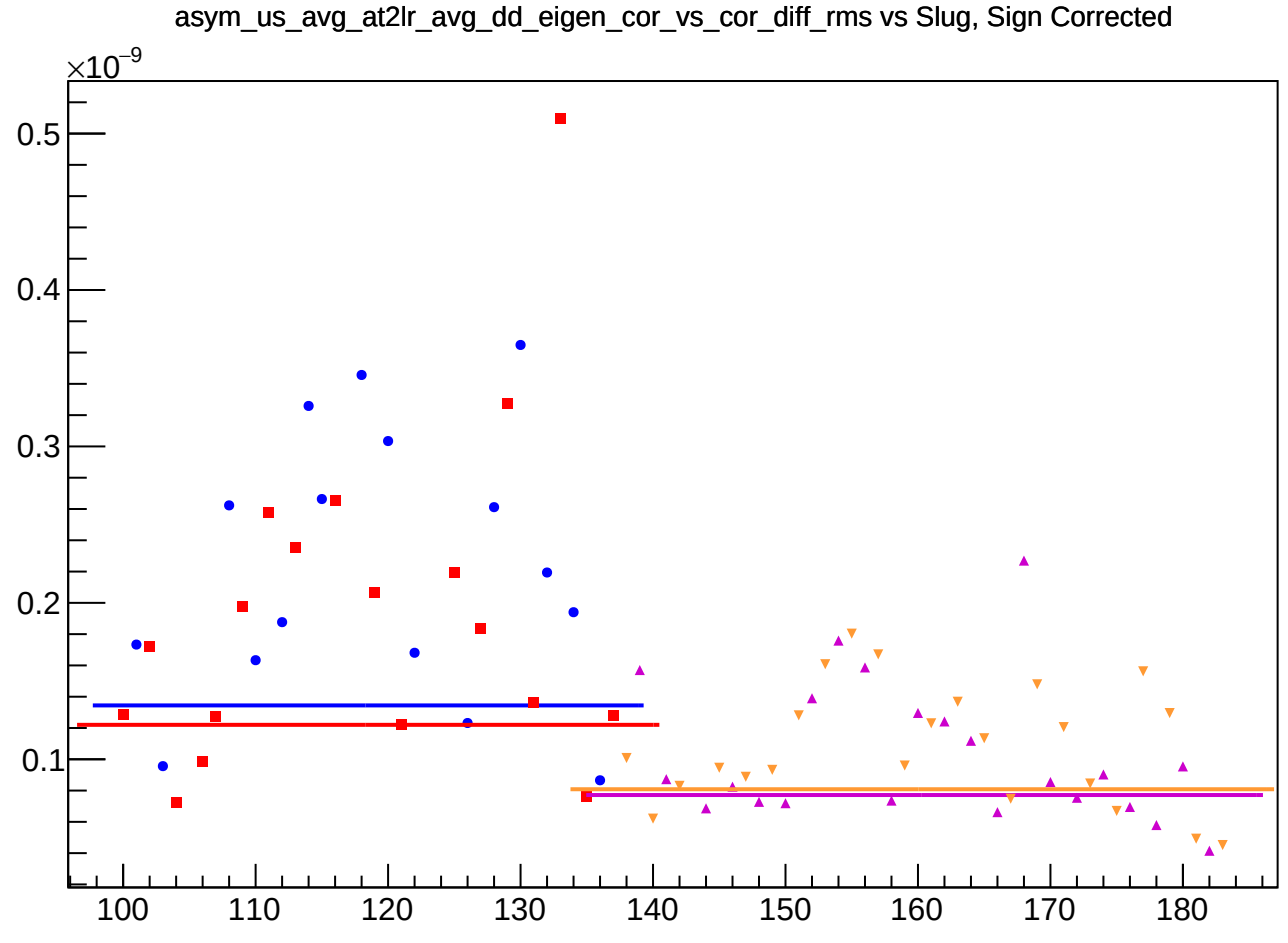
Left: 0.000+/-0.000 χ^2/NDF: 37.6/44

Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:33.7/37

Out: 0.000+/-0.000 χ^2/NDF:31.9/40

All: 0.000+/-0.000 χ^2/NDF: 66.9/78



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3705486.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

Left In: 0.000+/-0.000 χ^2/NDF:3391465.3/21

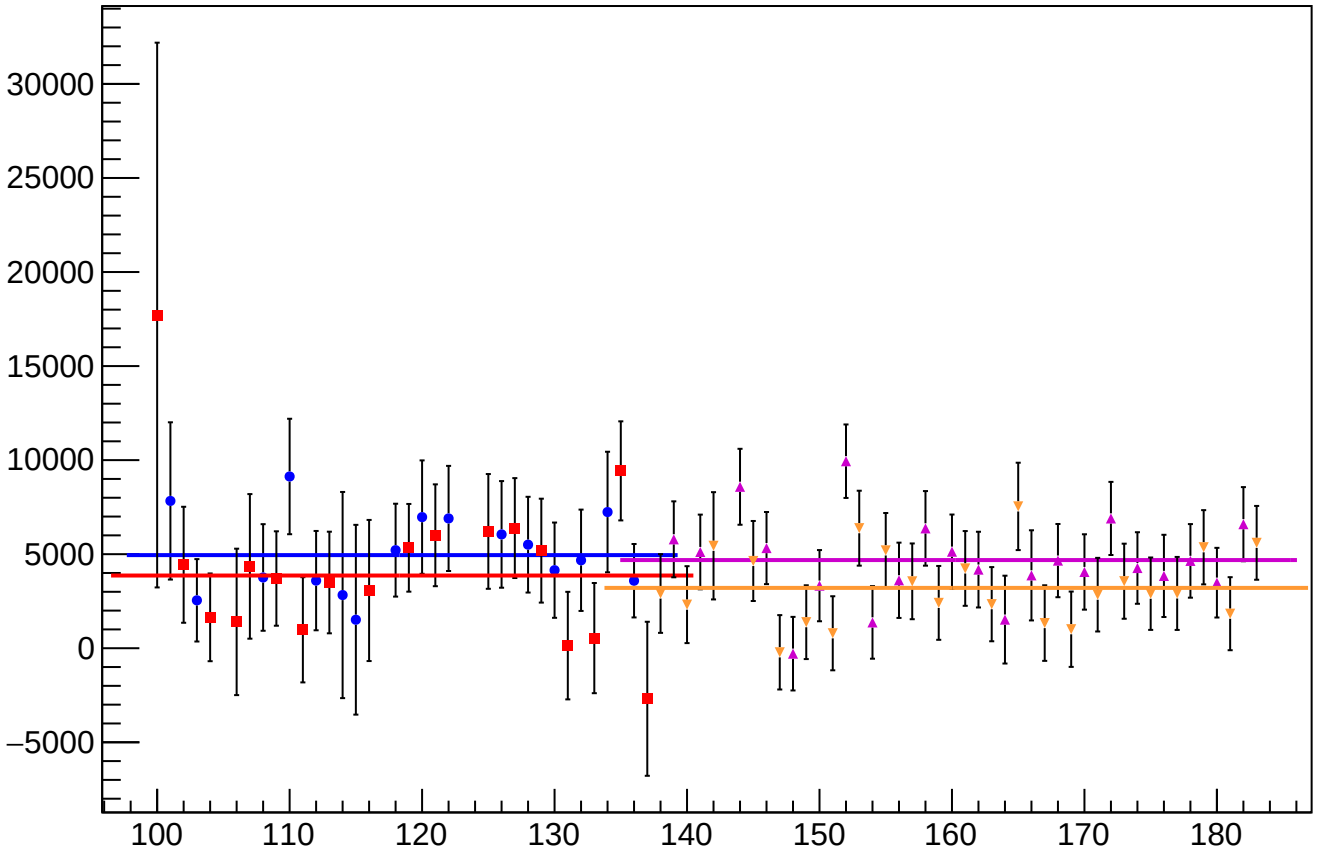
Left: 0.000+/-0.000 χ^2/NDF: 7119747.6/44

Right: 0.000+/-0.000 χ^2/NDF: 3852912.0/33

In: 0.000+/-0.000 χ^2/NDF:6435334.8/37

Out: 0.000+/-0.000 χ^2/NDF:6418268.1/40

All: 0.000+/-0.000 χ^2/NDF: 12868486.0/78



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3207.351+/-421.847 χ^2/NDF:19.7/22

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4686.938+/-425.394 χ^2/NDF:27.4/21

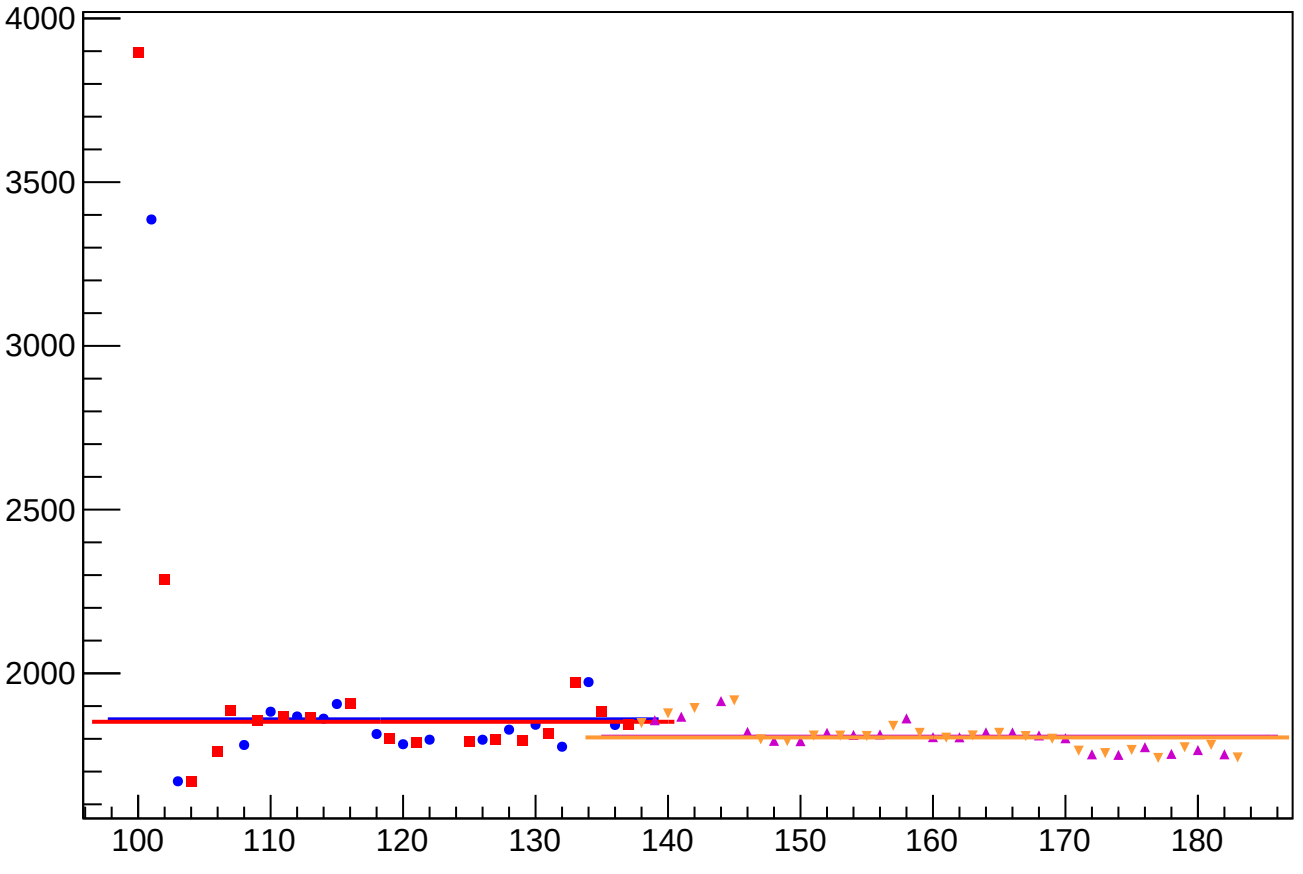
Left: 3940.950+/-299.537 χ^2/NDF: 53.2/44

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4758.131+/-363.381 χ^2/NDF:34.3/37

Out: 3384.158+/-360.725 χ^2/NDF:36.5/40

All: 4066.104+/-256.005 χ^2/NDF: 78.1/78



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1804.295+/-0.298 χ^2/NDF:19613.6/22

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1806.578+/-0.301 χ^2/NDF:18651.9/21

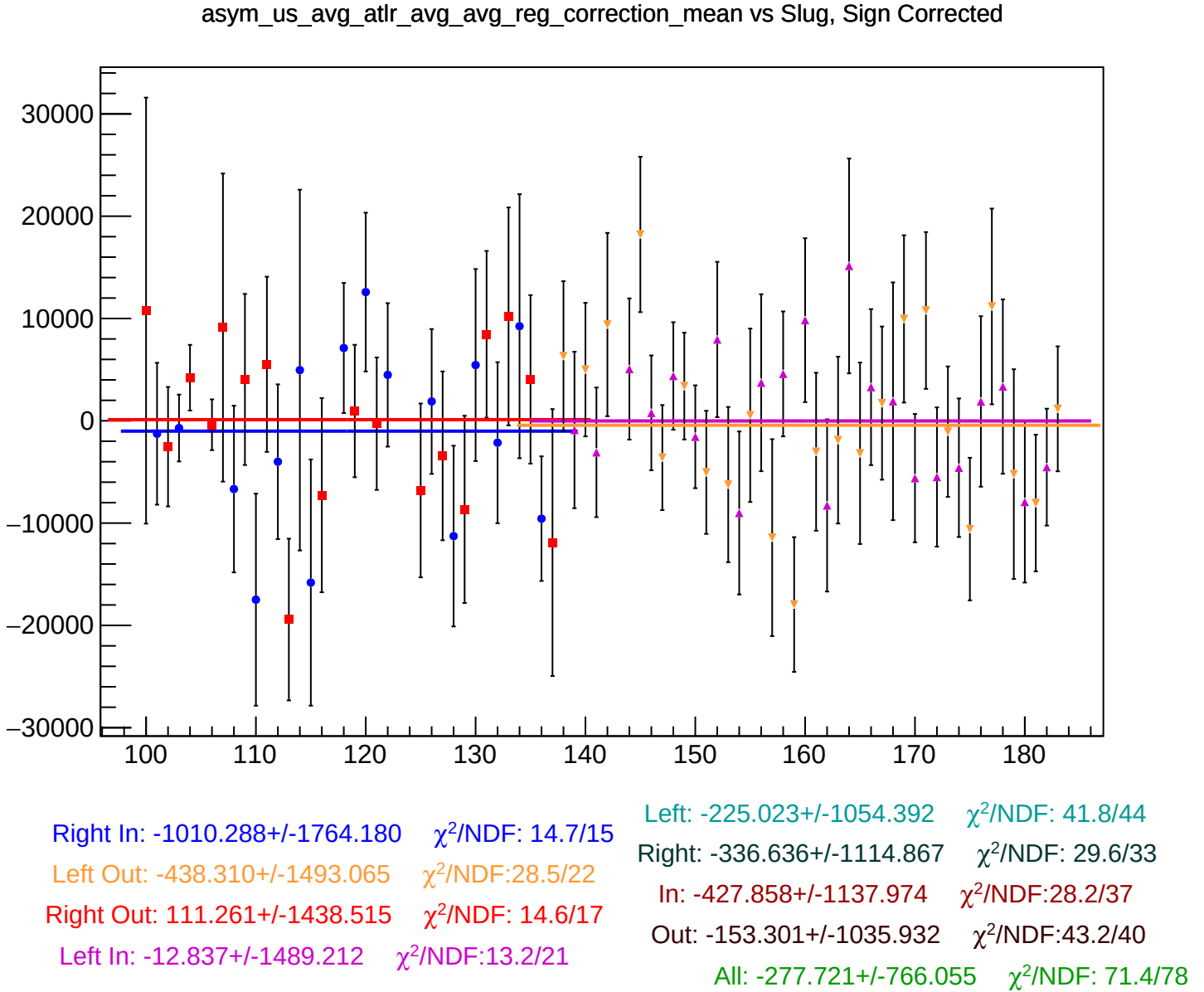
Left: 1805.427+/-0.212 χ^2/NDF: 38294.5/44

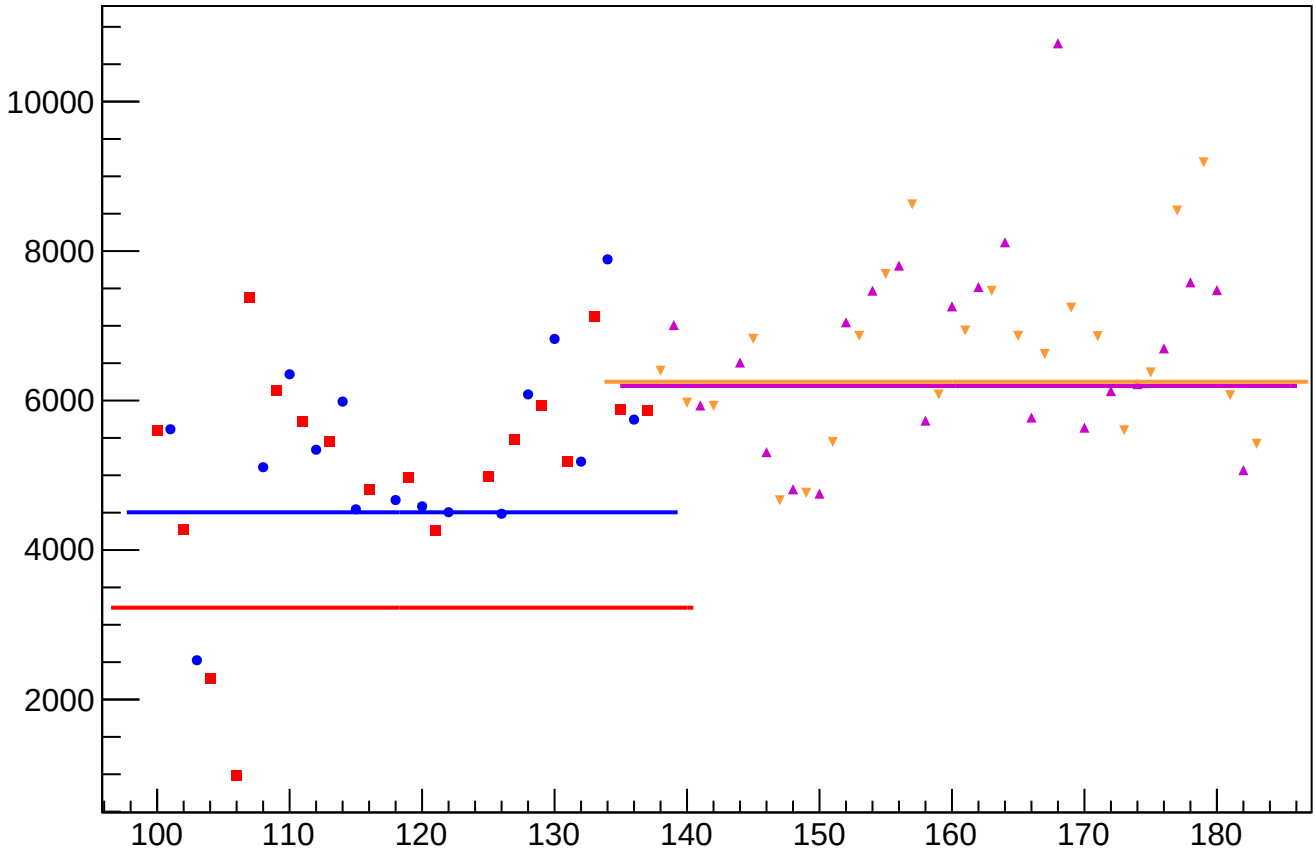
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1820.886+/-0.257 χ^2/NDF:319356.5/37

Out: 1817.192+/-0.255 χ^2/NDF:128750.2/40

All: 1819.024+/-0.181 χ^2/NDF: 448210.9/78


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1010.288+/-1764.180 χ²/NDF: 14.7/15
Left Out: -438.310+/-1493.065 χ²/NDF:28.5/22
Right Out: 111.261+/-1438.515 χ²/NDF: 14.6/17
Left In: -12.837+/-1489.212 χ²/NDF:13.2/21
Left: -225.023+/-1054.392 χ²/NDF: 41.8/44
Right: -336.636+/-1114.867 χ²/NDF: 29.6/33
In: -427.858+/-1137.974 χ²/NDF:28.2/37
Out: -153.301+/-1035.932 χ²/NDF:43.2/40
All: -277.721+/-766.055 χ²/NDF: 71.4/78



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6251.831+/-1.056 χ^2/NDF:1056769.0/22

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6194.646+/-1.053 χ^2/NDF:1216007.7/21

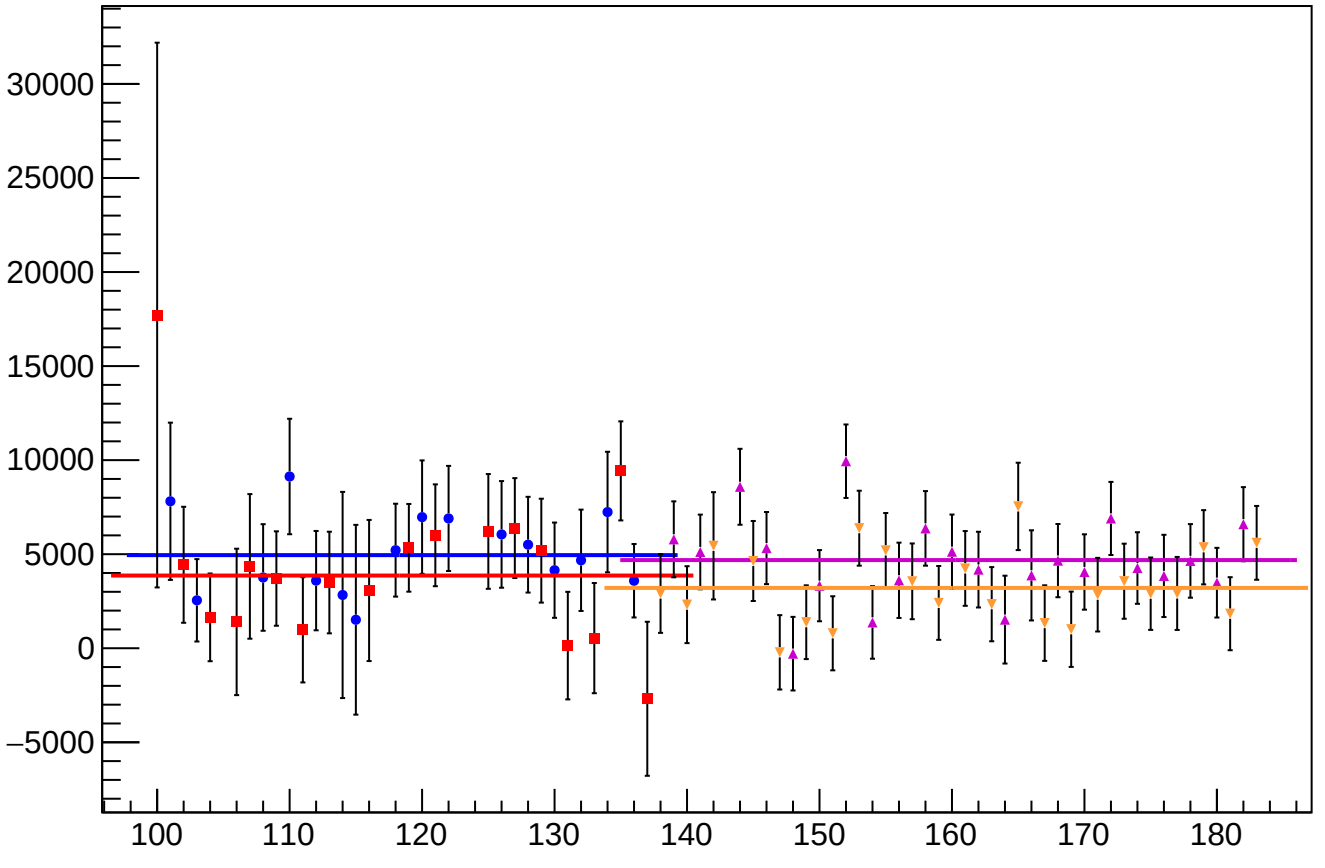
Left: 6223.164+/-0.746 χ^2/NDF: 2274247.4/44

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5491.527+/-0.805 χ^2/NDF:3608622.8/37

Out: 4683.982+/-0.733 χ^2/NDF:9265694.1/40

All: 5049.932+/-0.542 χ^2/NDF: 13425069.0/7



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3207.291+/-421.847 χ^2/NDF:19.7/22

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4686.941+/-425.394 χ^2/NDF:27.4/21

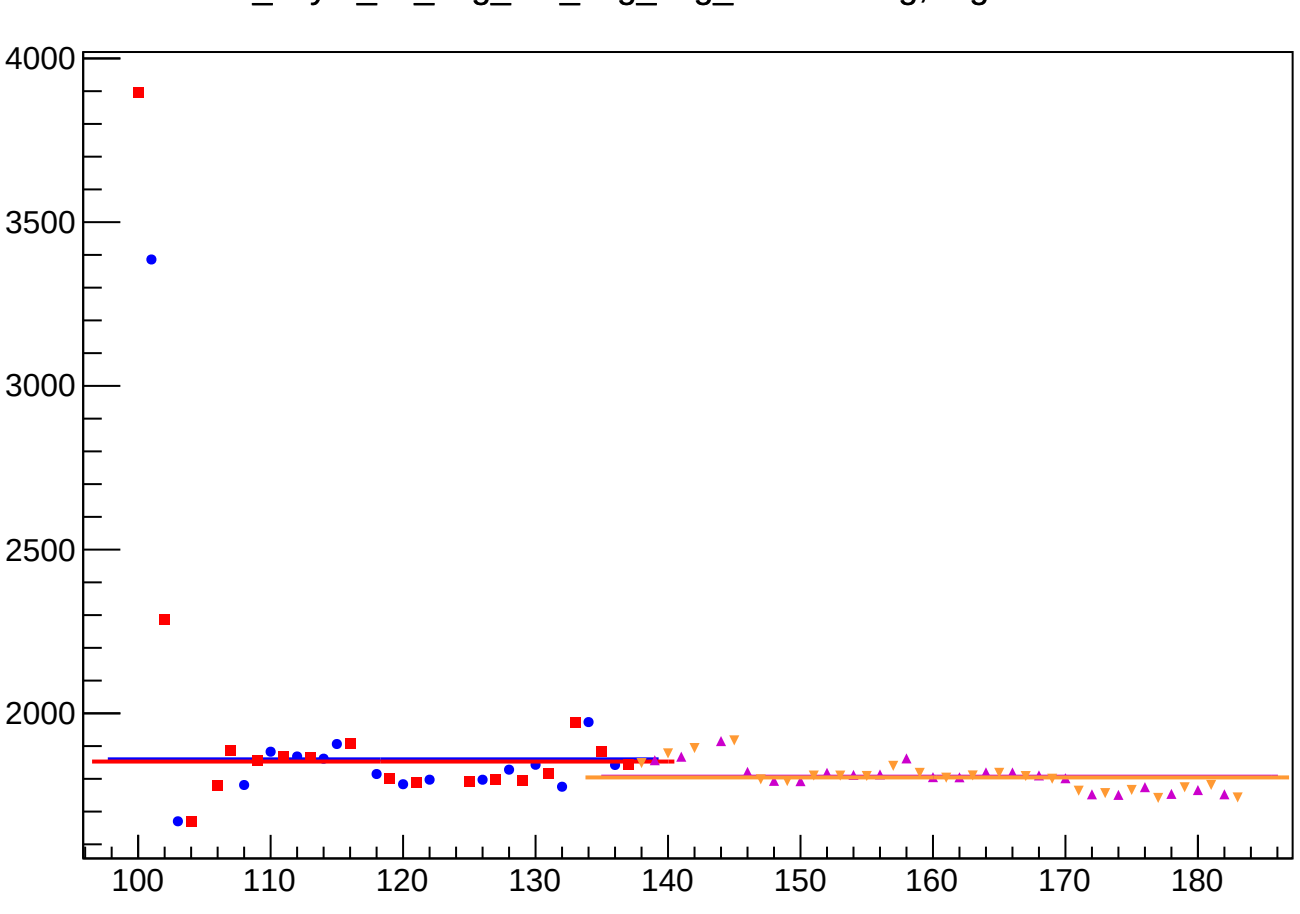
Left: 3940.921+/-299.537 χ^2/NDF: 53.2/44

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4758.002+/-363.381 χ^2/NDF:34.3/37

Out: 3384.056+/-360.725 χ^2/NDF:36.5/40

All: 4065.989+/-256.005 χ^2/NDF: 78.1/78



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1804.295+/-0.298 χ^2/NDF:19613.6/22

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: 1805.427+/-0.212 χ^2/NDF: 38294.5/44

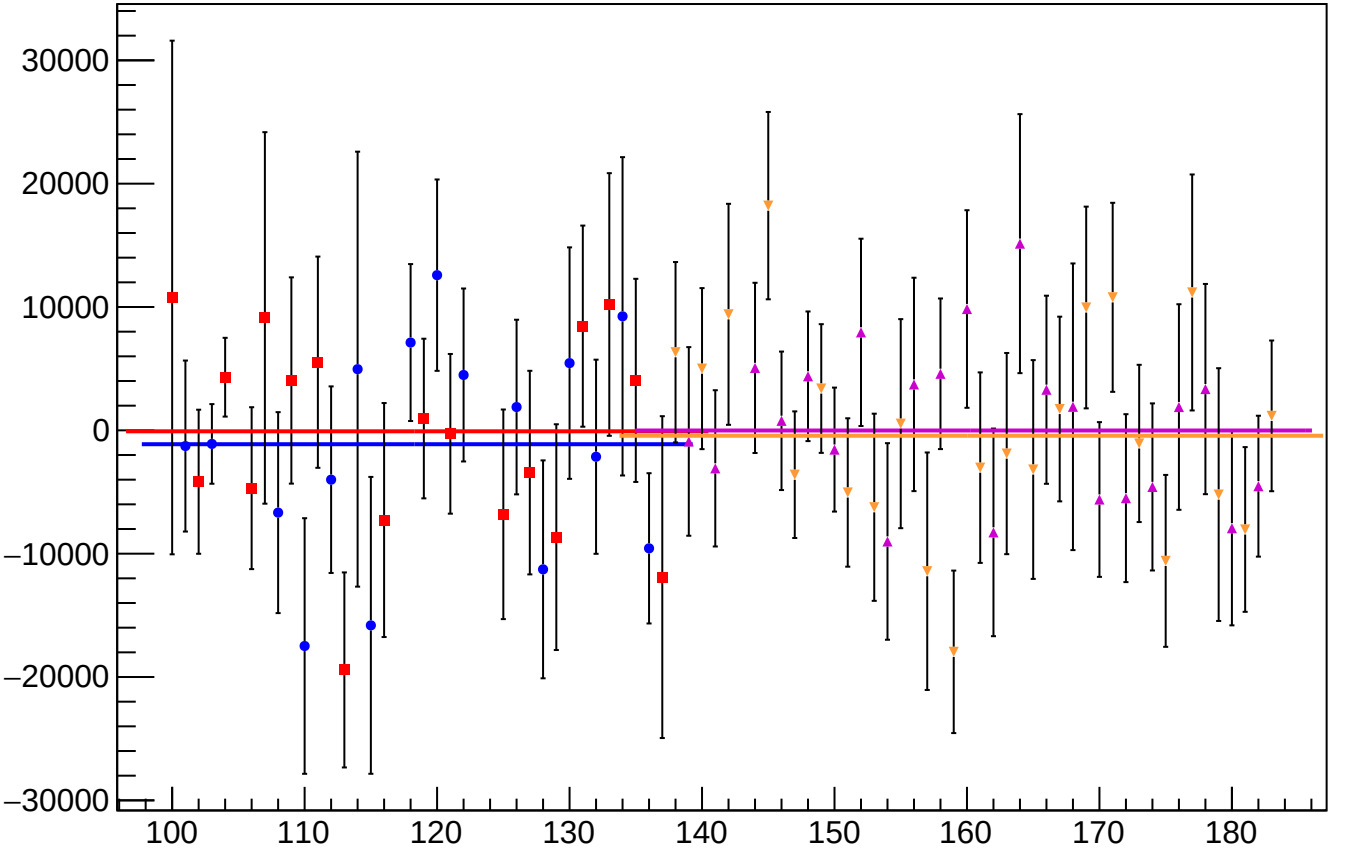
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1820.886+/-0.257 χ^2/NDF:319358.3/37

Out: 1817.377+/-0.255 χ^2/NDF:128490.9/40

All: 1819.117+/-0.181 χ^2/NDF: 447943.2/78

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: -438.307+/-1493.065 χ^2/NDF:28.5/22

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: -224.993+/-1054.391 χ^2/NDF: 41.8/44

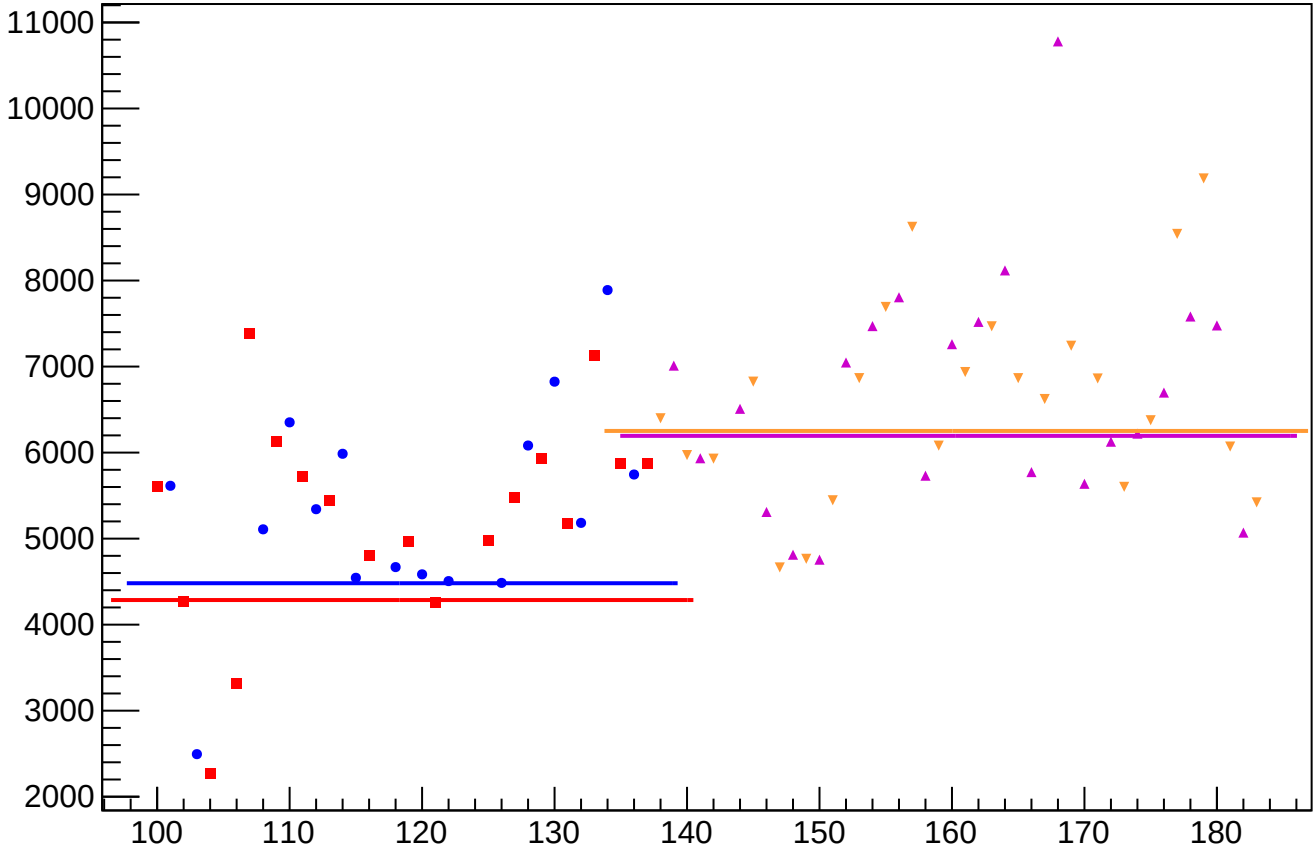
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -477.726+/-1136.277 χ^2/NDF:28.2/37

Out: -281.778+/-1122.525 χ^2/NDF:44.1/40

All: -378.559+/-798.563 χ^2/NDF: 72.3/78

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6251.829+/-1.056 χ^2/NDF:1056775.9/22

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6194.644+/-1.053 χ^2/NDF:1216016.1/21

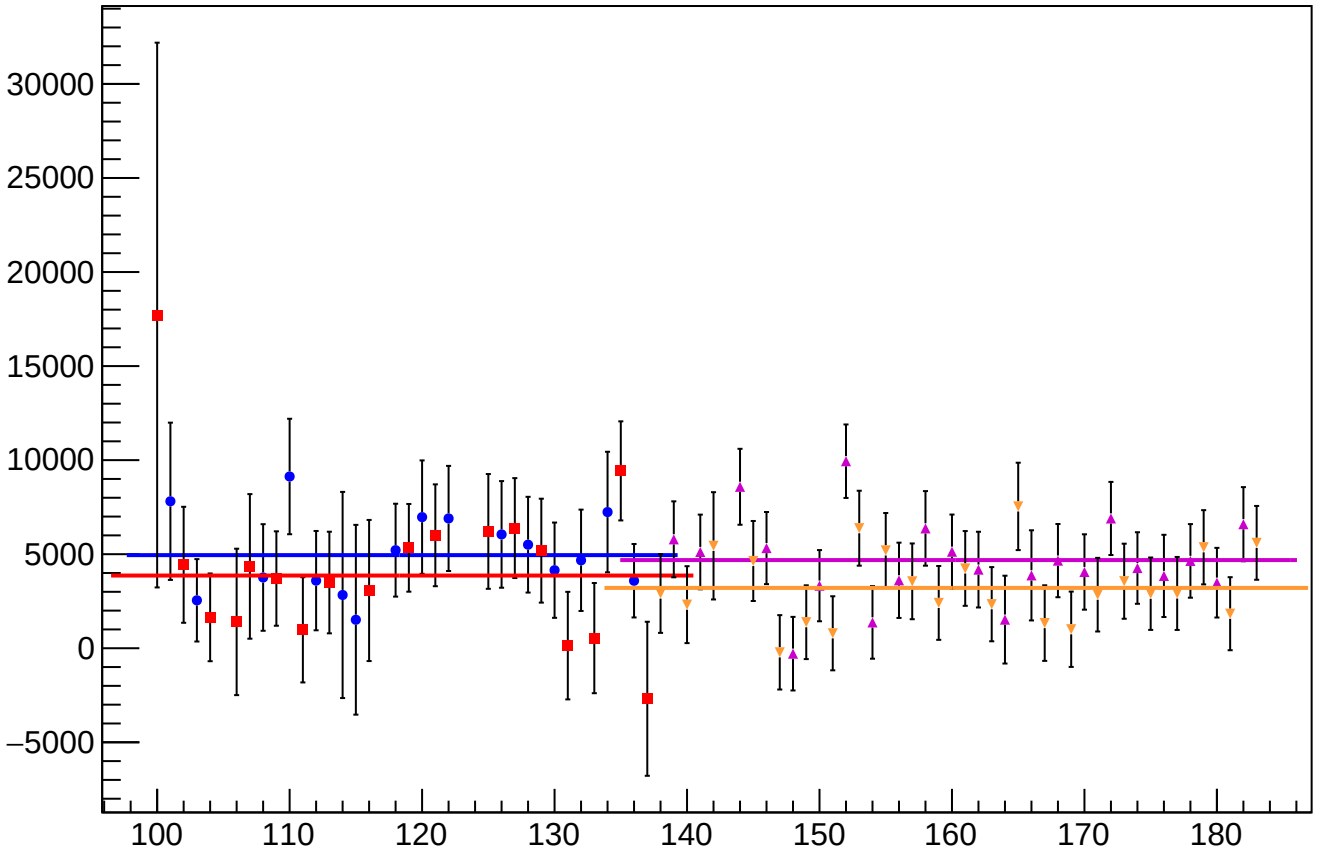
Left: 6223.163+/-0.746 χ^2/NDF: 2274262.8/44

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5478.862+/-0.803 χ^2/NDF:3684099.3/37

Out: 5397.225+/-0.794 χ^2/NDF:4113775.2/40

All: 5437.546+/-0.565 χ^2/NDF: 7803099.2/78



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3207.291+/-421.847 χ^2/NDF:19.7/22

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4686.941+/-425.394 χ^2/NDF:27.4/21

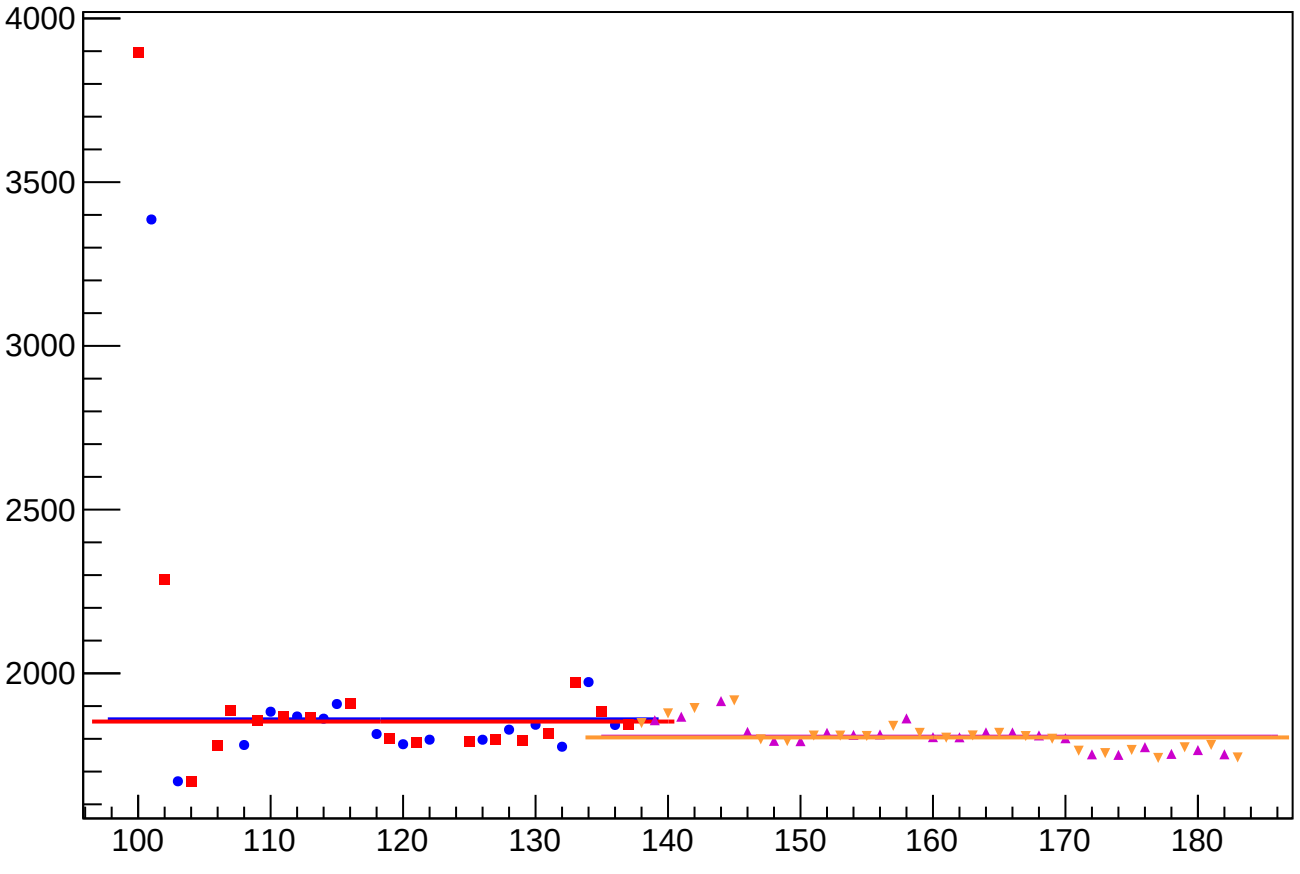
Left: 3940.921+/-299.537 χ^2/NDF: 53.2/44

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4758.002+/-363.381 χ^2/NDF:34.3/37

Out: 3384.056+/-360.725 χ^2/NDF:36.5/40

All: 4065.989+/-256.005 χ^2/NDF: 78.1/78



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1804.295+/-0.298 χ^2/NDF:19613.6/22

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: 1805.427+/-0.212 χ^2/NDF: 38294.5/44

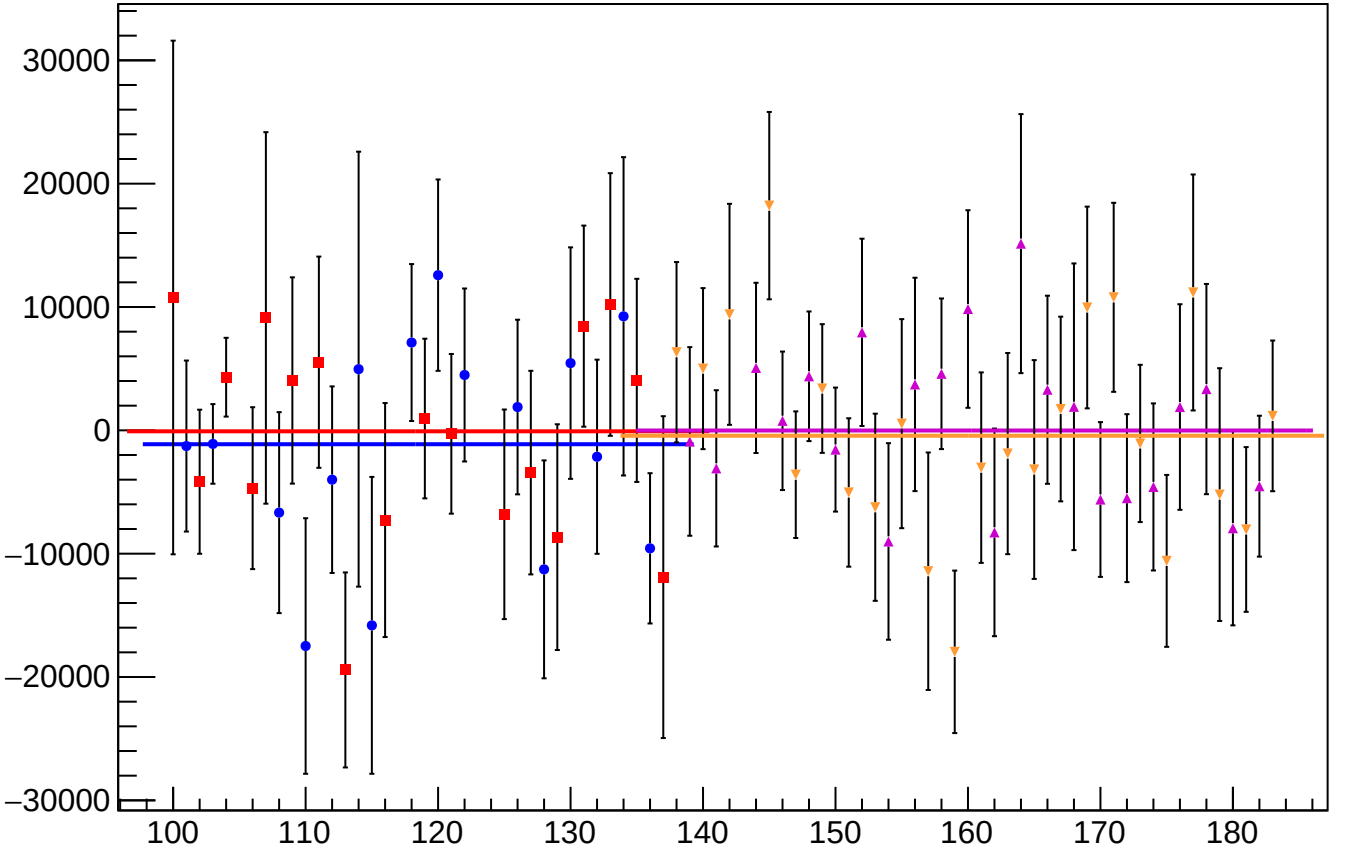
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1820.886+/-0.257 χ^2/NDF:319358.3/37

Out: 1817.377+/-0.255 χ^2/NDF:128490.9/40

All: 1819.117+/-0.181 χ^2/NDF: 447943.2/78

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: -438.307+/-1493.065 χ^2/NDF:28.5/22

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: -224.993+/-1054.391 χ^2/NDF: 41.8/44

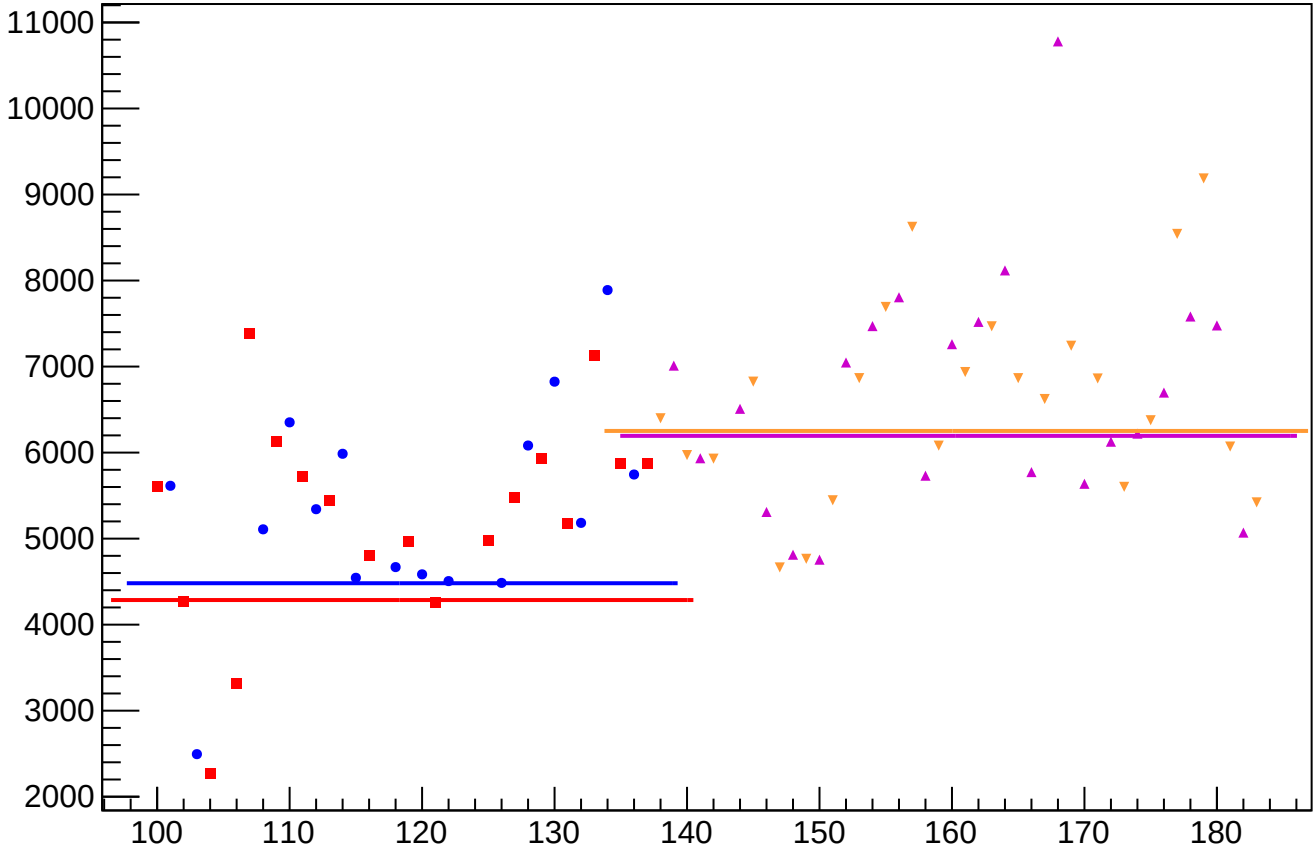
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -477.726+/-1136.277 χ^2/NDF:28.2/37

Out: -281.778+/-1122.525 χ^2/NDF:44.1/40

All: -378.559+/-798.563 χ^2/NDF: 72.3/78

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: 6251.829+/-1.056 χ^2/NDF:1056775.9/22

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6194.644+/-1.053 χ^2/NDF:1216016.1/21

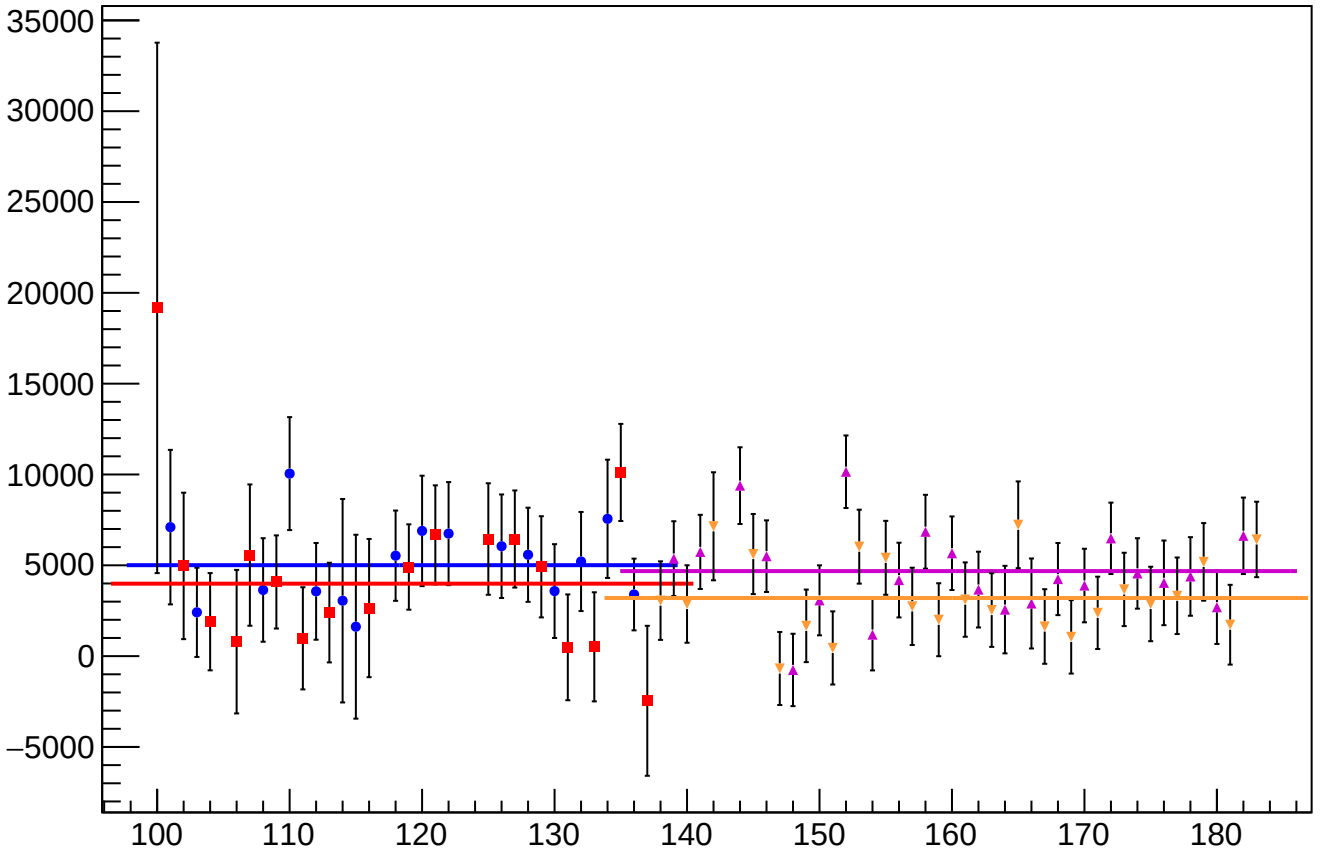
Left: 6223.163+/-0.746 χ^2/NDF: 2274262.8/44

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5478.862+/-0.803 χ^2/NDF:3684099.3/37

Out: 5397.225+/-0.794 χ^2/NDF:4113775.2/40

All: 5437.546+/-0.565 χ^2/NDF: 7803099.2/78



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3200.968+/-438.231 χ^2/NDF:21.3/22

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4681.657+/-440.022 χ^2/NDF:30.3/21

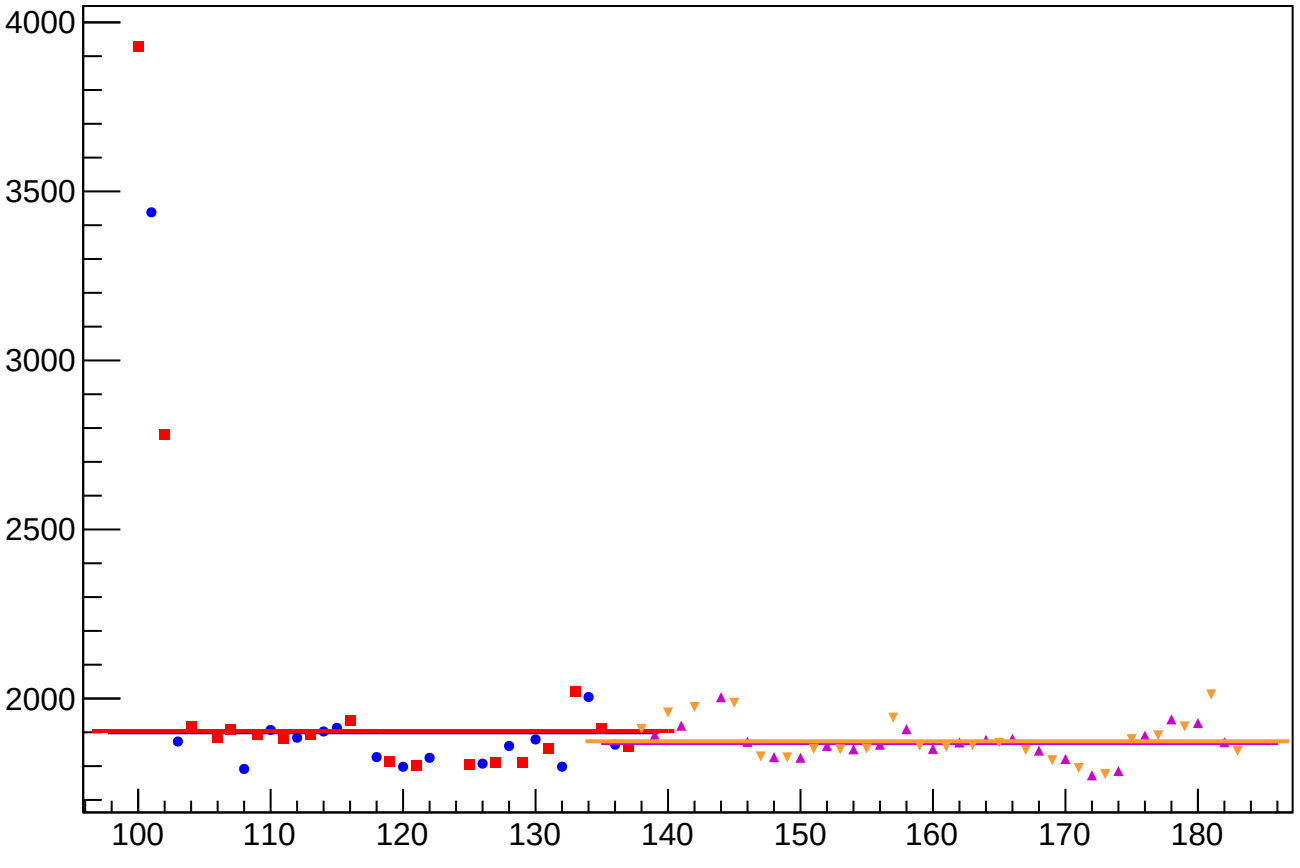
Left: 3938.293+/-310.507 χ^2/NDF: 57.3/44

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4771.285+/-374.608 χ^2/NDF:38.1/37

Out: 3414.462+/-374.206 χ^2/NDF:39.6/40

All: 4092.145+/-264.746 χ^2/NDF: 84.2/78



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1873.474+/-0.310 χ^2/NDF:35657.6/22

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1868.102+/-0.311 χ^2/NDF:26622.3/21

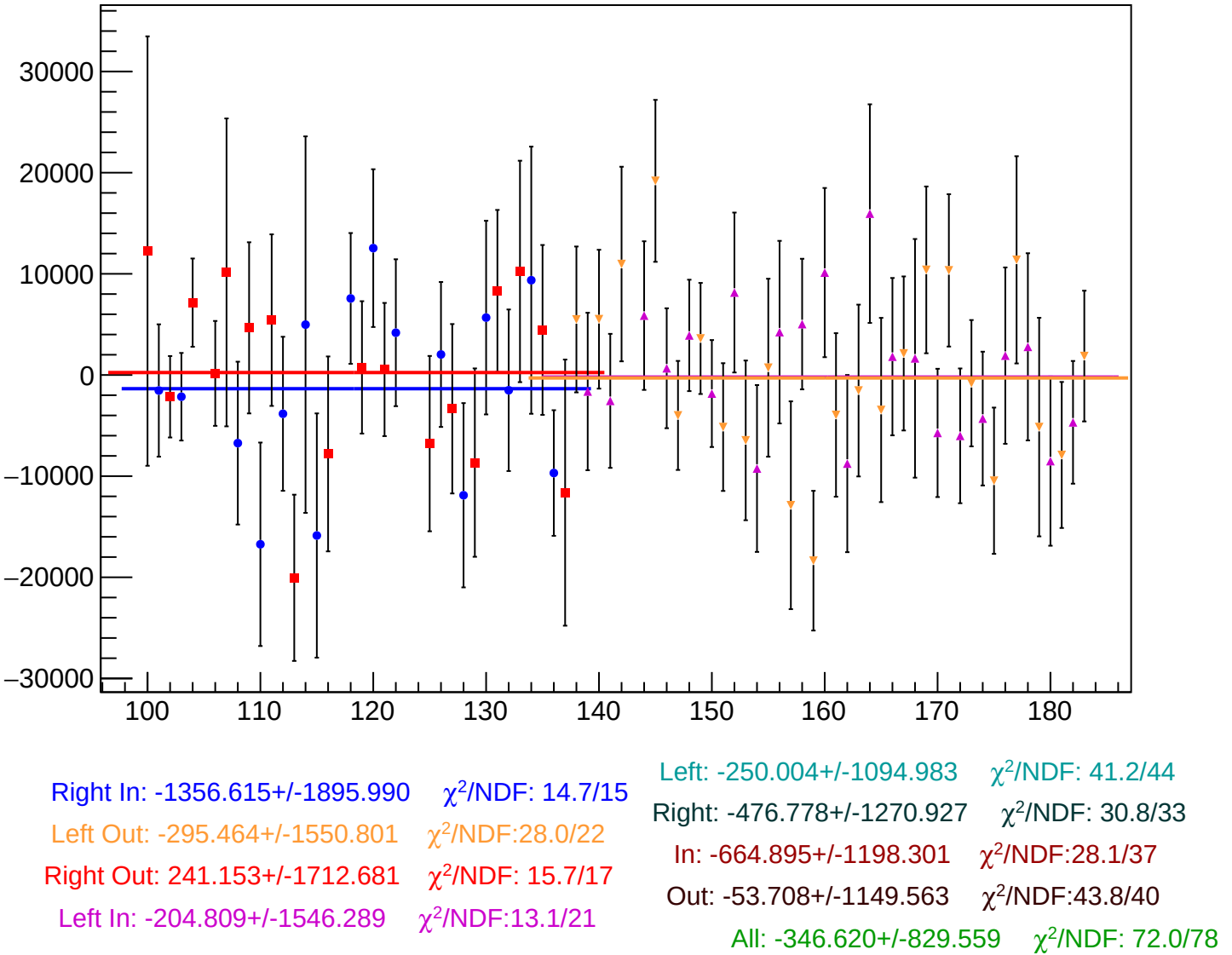
Left: 1870.799+/-0.220 χ^2/NDF: 62429.5/44

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

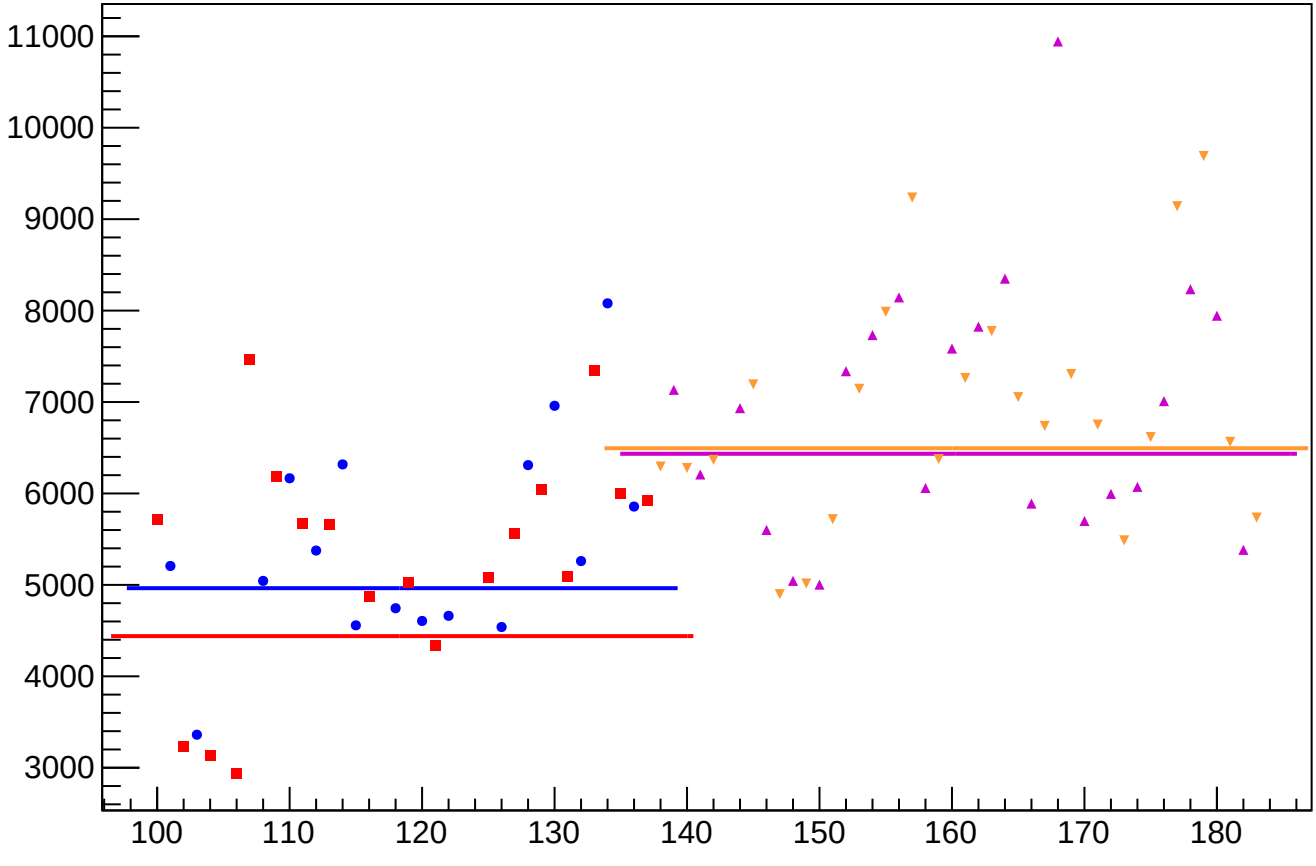
In: 1876.911+/-0.265 χ^2/NDF:307983.4/37

Out: 1881.708+/-0.265 χ^2/NDF:188376.3/40

All: 1879.313+/-0.187 χ^2/NDF: 496523.9/78


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1356.615+/-1895.990 χ²/NDF: 14.7/15
Left Out: -295.464+/-1550.801 χ²/NDF:28.0/22
Right Out: 241.153+/-1712.681 χ²/NDF: 15.7/17
Left In: -204.809+/-1546.289 χ²/NDF:13.1/21
Left: -250.004+/-1094.983 χ²/NDF: 41.2/44
Right: -476.778+/-1270.927 χ²/NDF: 30.8/33
In: -664.895+/-1198.301 χ²/NDF:28.1/37
Out: -53.708+/-1149.563 χ²/NDF:43.8/40
All: -346.620+/-829.559 χ²/NDF: 72.0/78

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: 6494.768+/-1.097 χ^2/NDF:1067888.6/22

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6434.108+/-1.093 χ^2/NDF:1199873.2/21

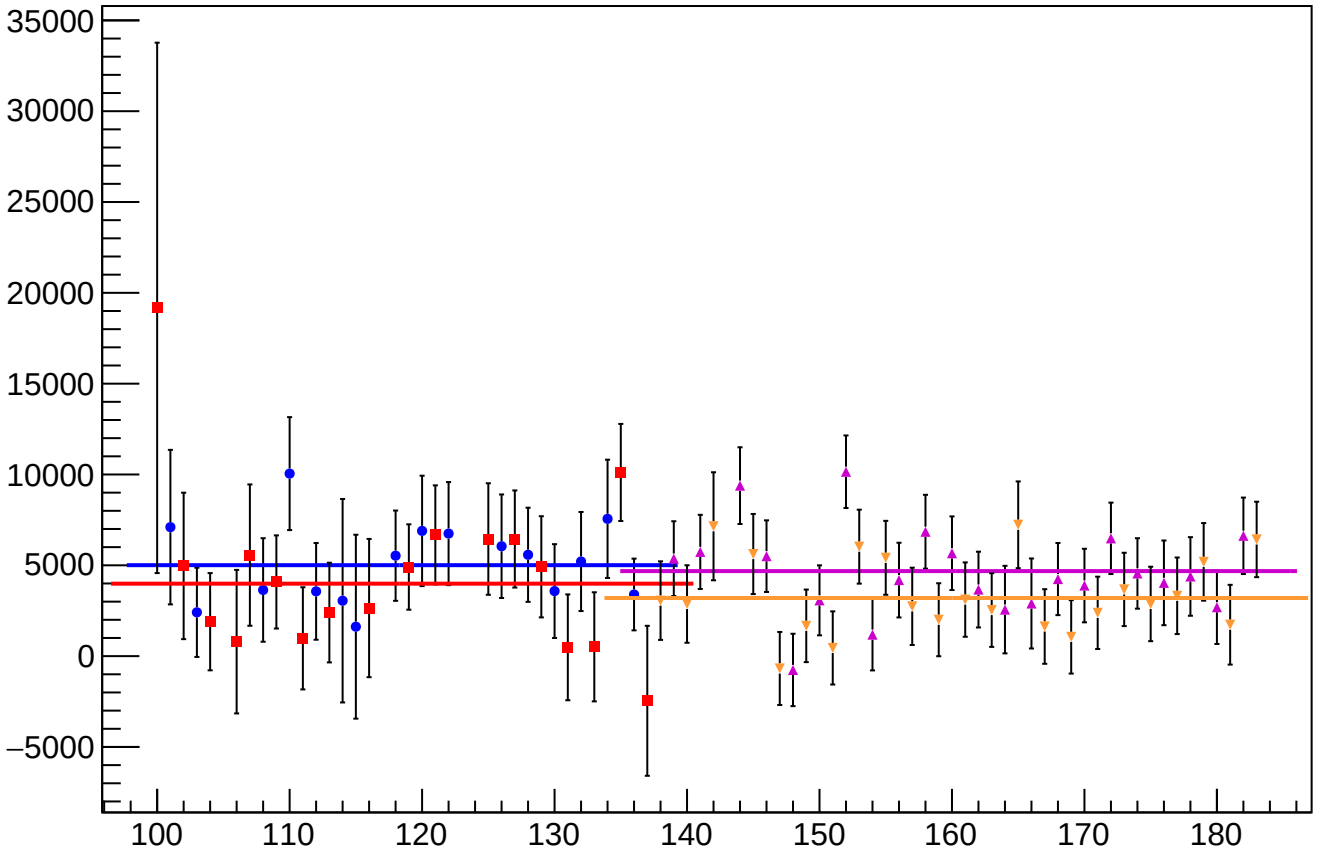
Left: 6464.350+/-0.774 χ^2/NDF: 2269296.2/44

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5846.876+/-0.847 χ^2/NDF:2549368.7/37

Out: 5568.910+/-0.813 χ^2/NDF:3808714.2/40

All: 5702.126+/-0.587 χ^2/NDF: 6414124.3/78



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3200.962+/-438.231 χ^2/NDF:21.3/22

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4681.658+/-440.022 χ^2/NDF:30.3/21

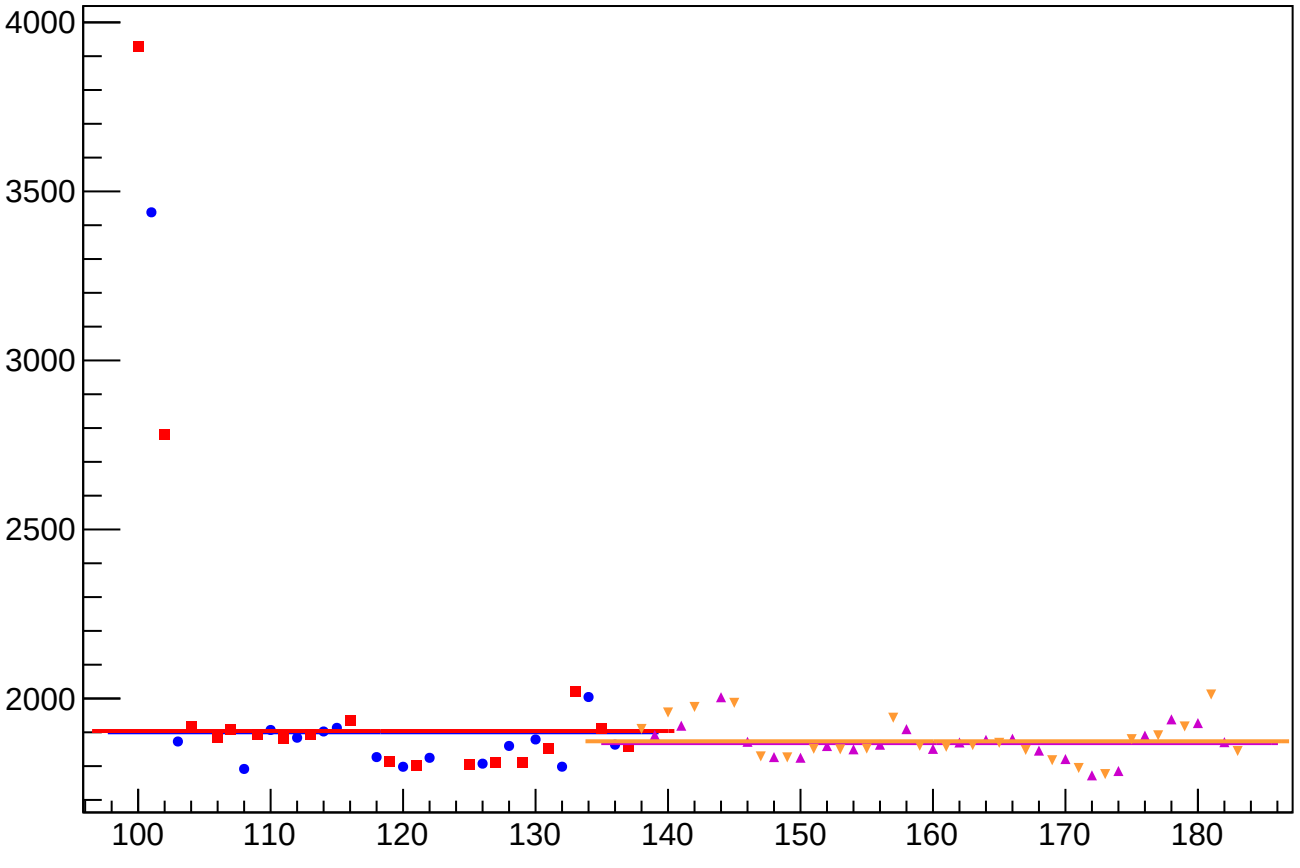
Left: 3938.291+/-310.508 χ^2/NDF: 57.3/44

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4771.286+/-374.608 χ^2/NDF:38.1/37

Out: 3414.457+/-374.206 χ^2/NDF:39.6/40

All: 4092.143+/-264.746 χ^2/NDF: 84.2/78



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1873.475+/-0.310 χ^2/NDF:35658.6/22

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1868.103+/-0.311 χ^2/NDF:26623.5/21

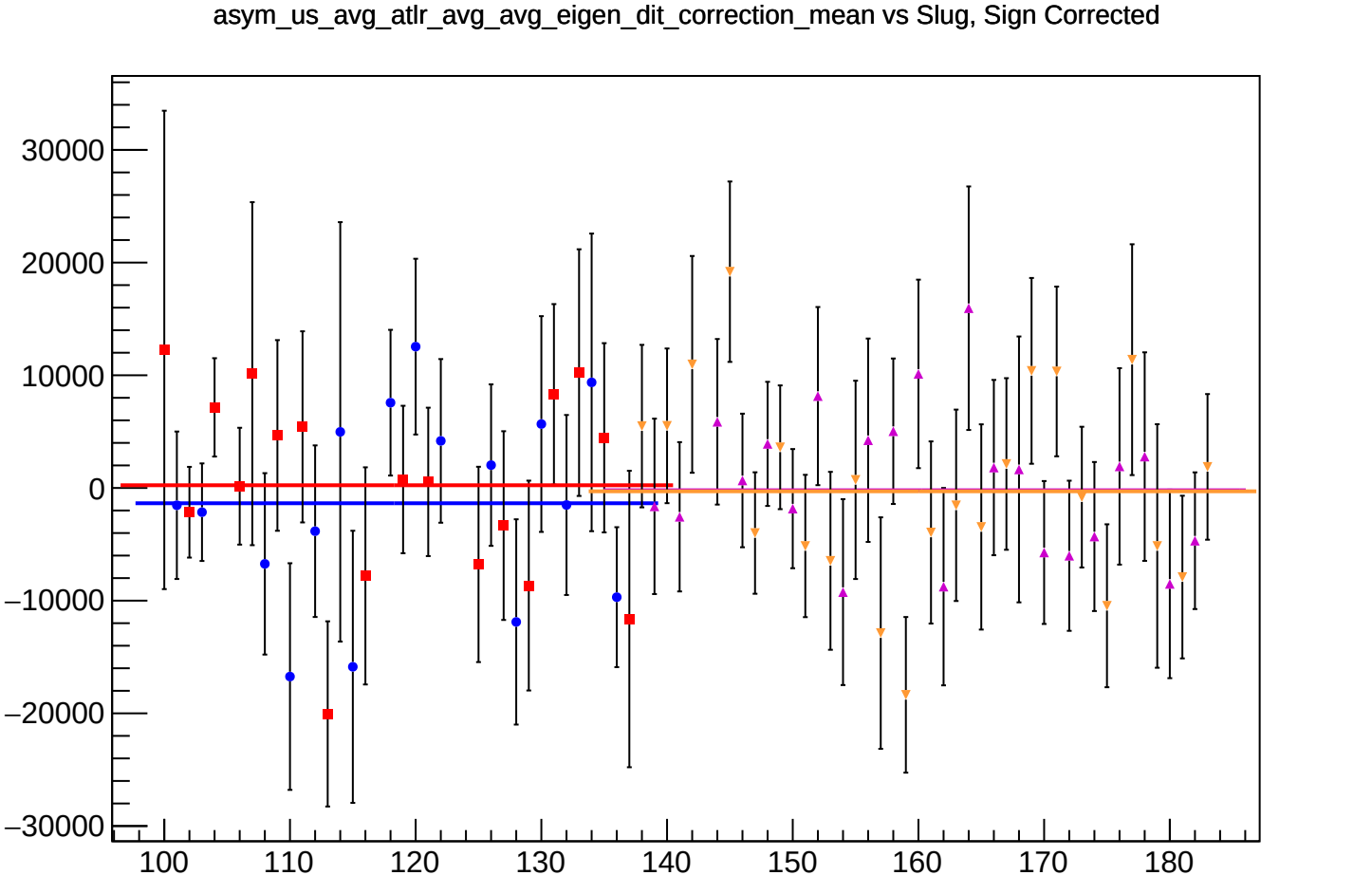
Left: 1870.800+/-0.220 χ^2/NDF: 62431.8/44

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1876.912+/-0.265 χ^2/NDF:307984.5/37

Out: 1881.709+/-0.265 χ^2/NDF:188376.3/40

All: 1879.314+/-0.187 χ^2/NDF: 496524.9/78



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -295.470+/-1550.804 χ^2/NDF:28.0/22

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: -250.007+/-1094.985 χ^2/NDF: 41.2/44

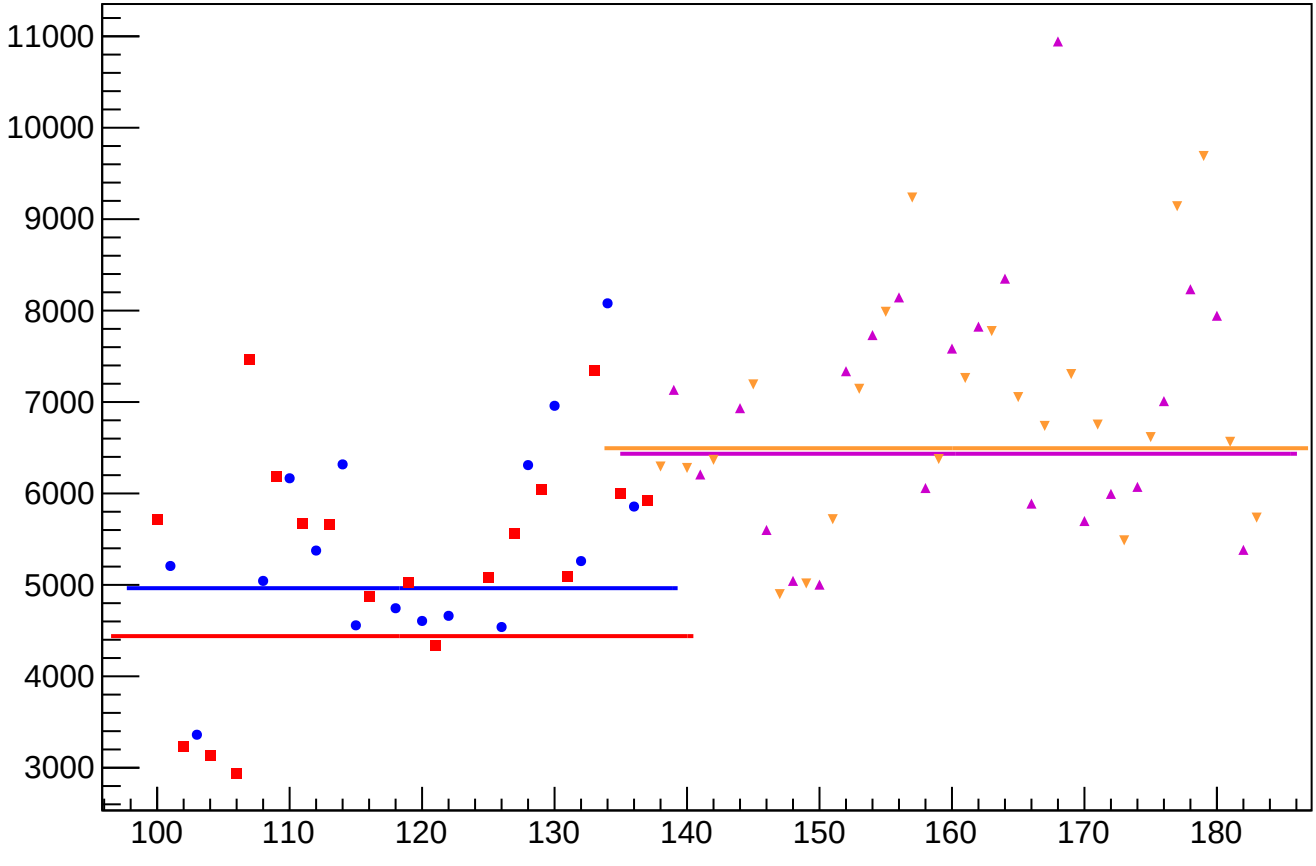
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -664.894+/-1198.301 χ^2/NDF:28.1/37

Out: -53.709+/-1149.563 χ^2/NDF:43.8/40

All: -346.620+/-829.559 χ^2/NDF: 72.0/78

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6494.778+/-1.097 χ^2/NDF:1067891.1/22

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6434.118+/-1.093 χ^2/NDF:1199876.4/21

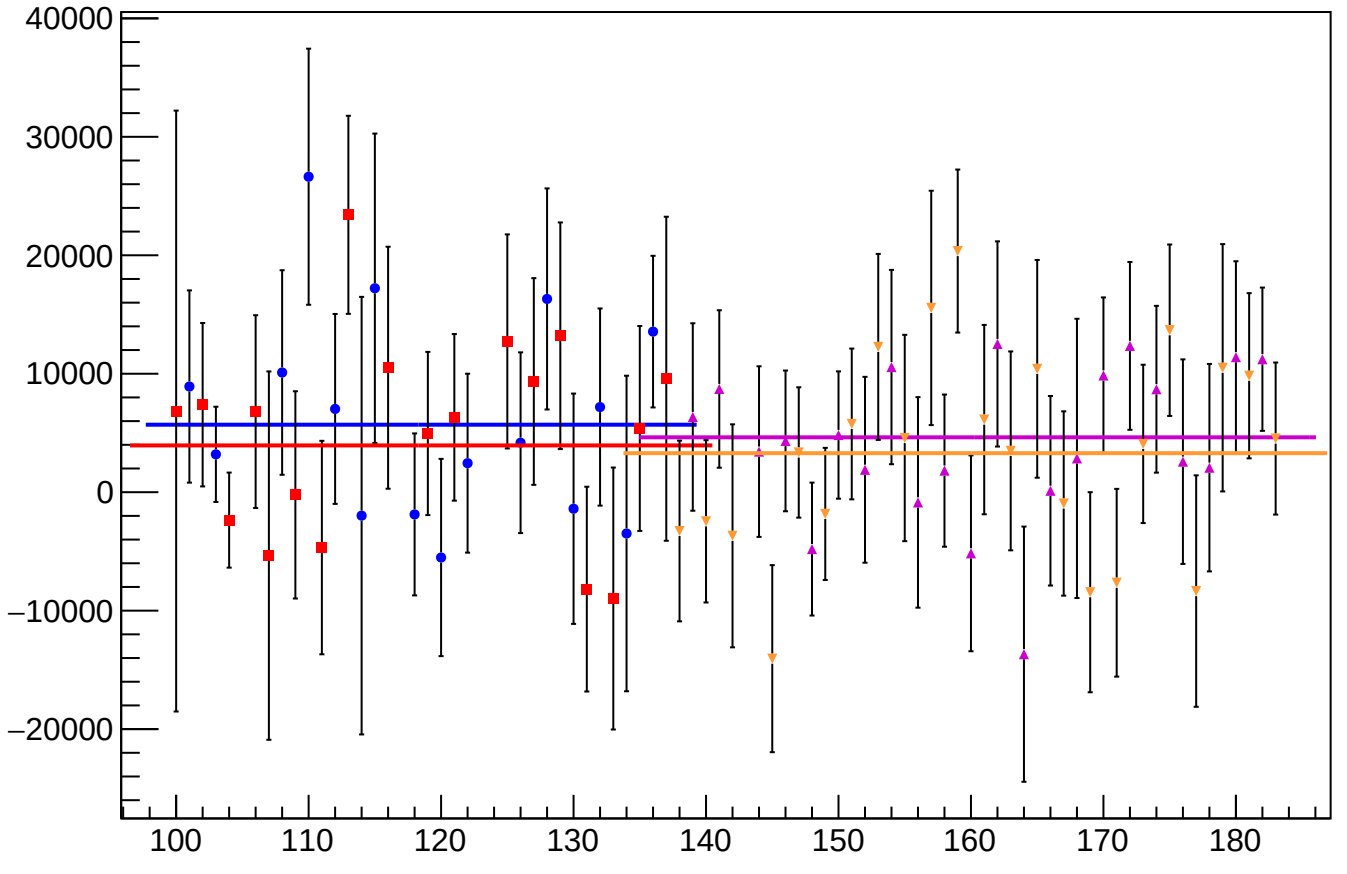
Left: 6464.360+/-0.774 χ^2/NDF: 2269301.9/44

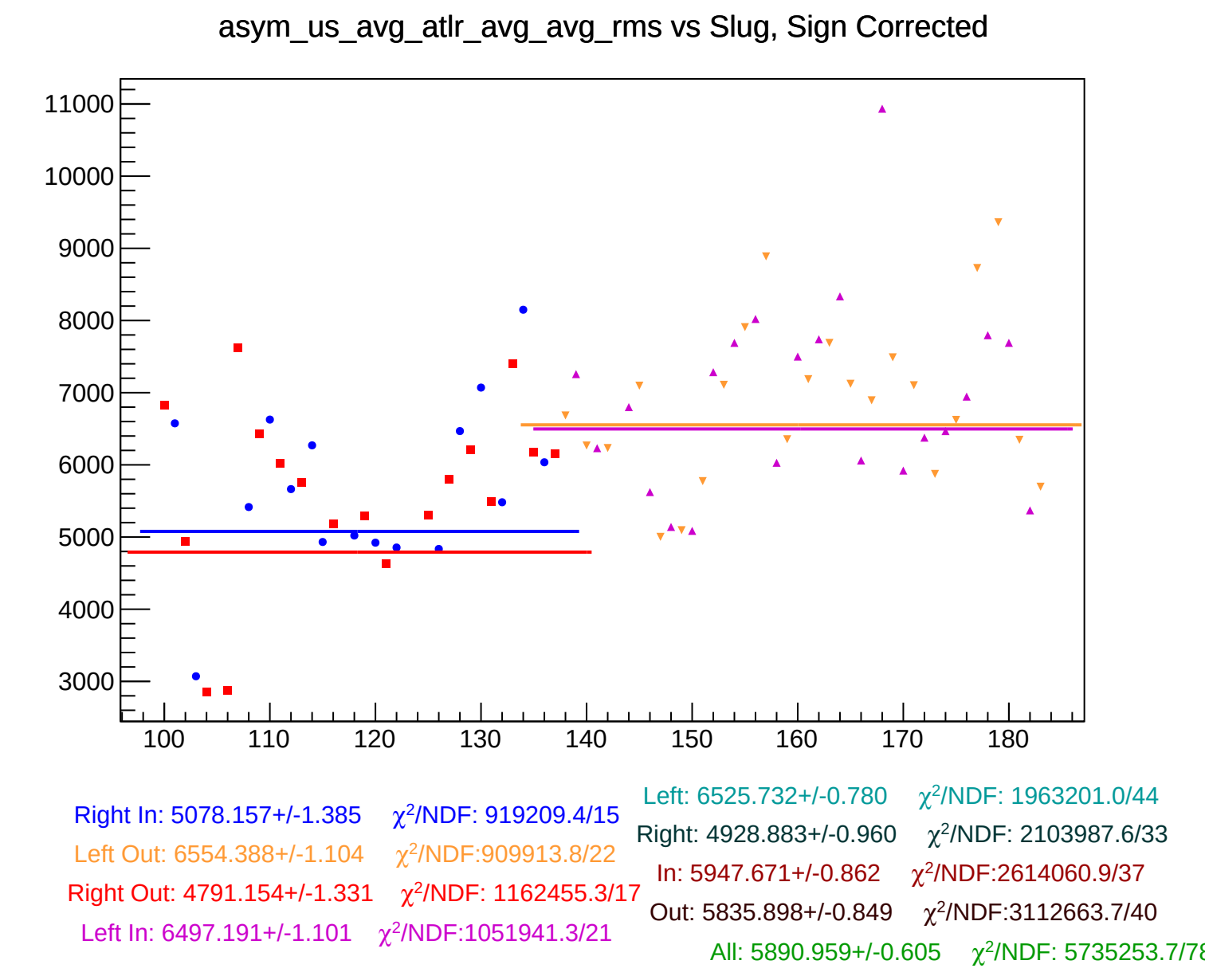
Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

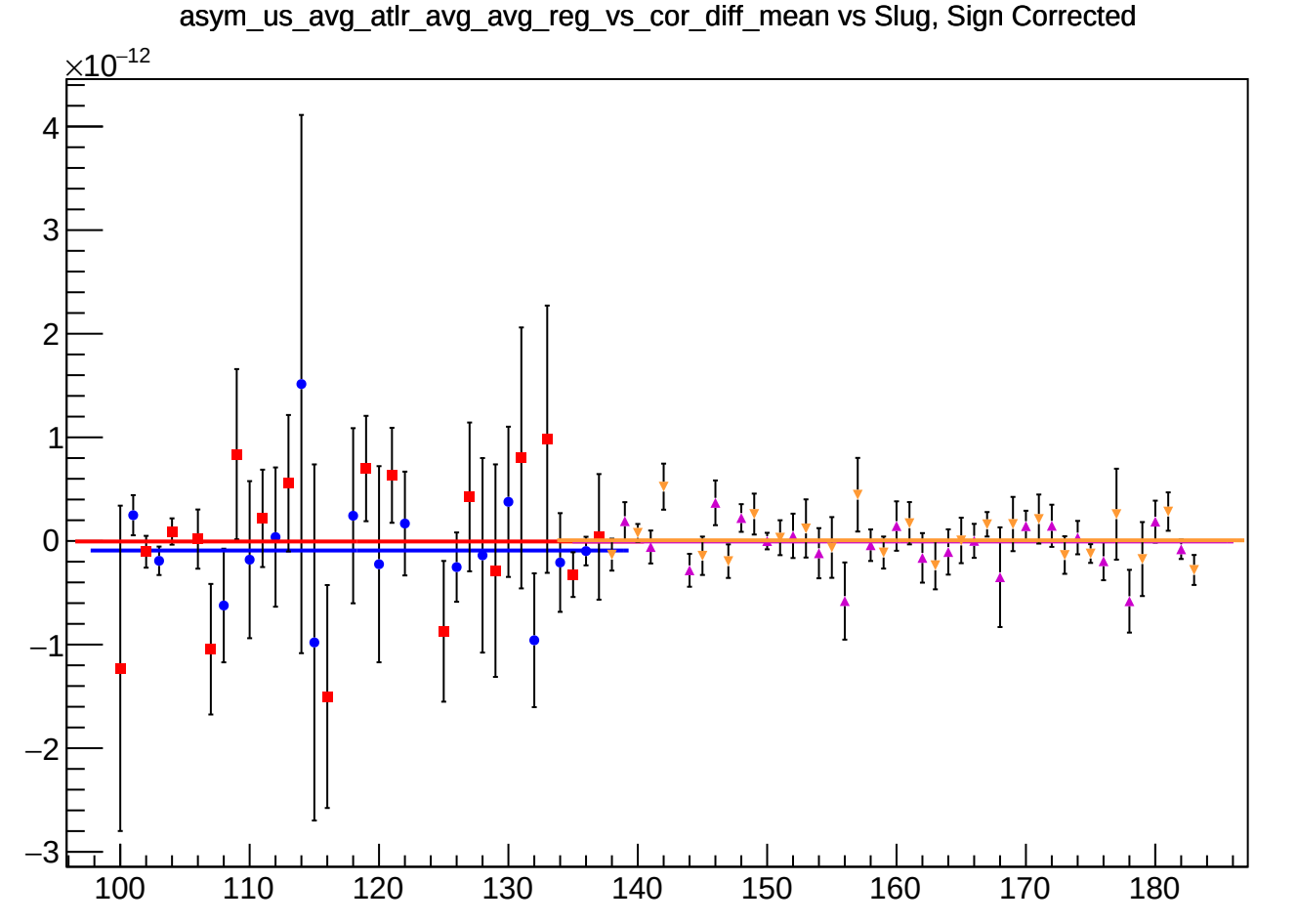
In: 5846.874+/-0.847 χ^2/NDF:2549398.3/37

Out: 5568.907+/-0.813 χ^2/NDF:3808752.2/40

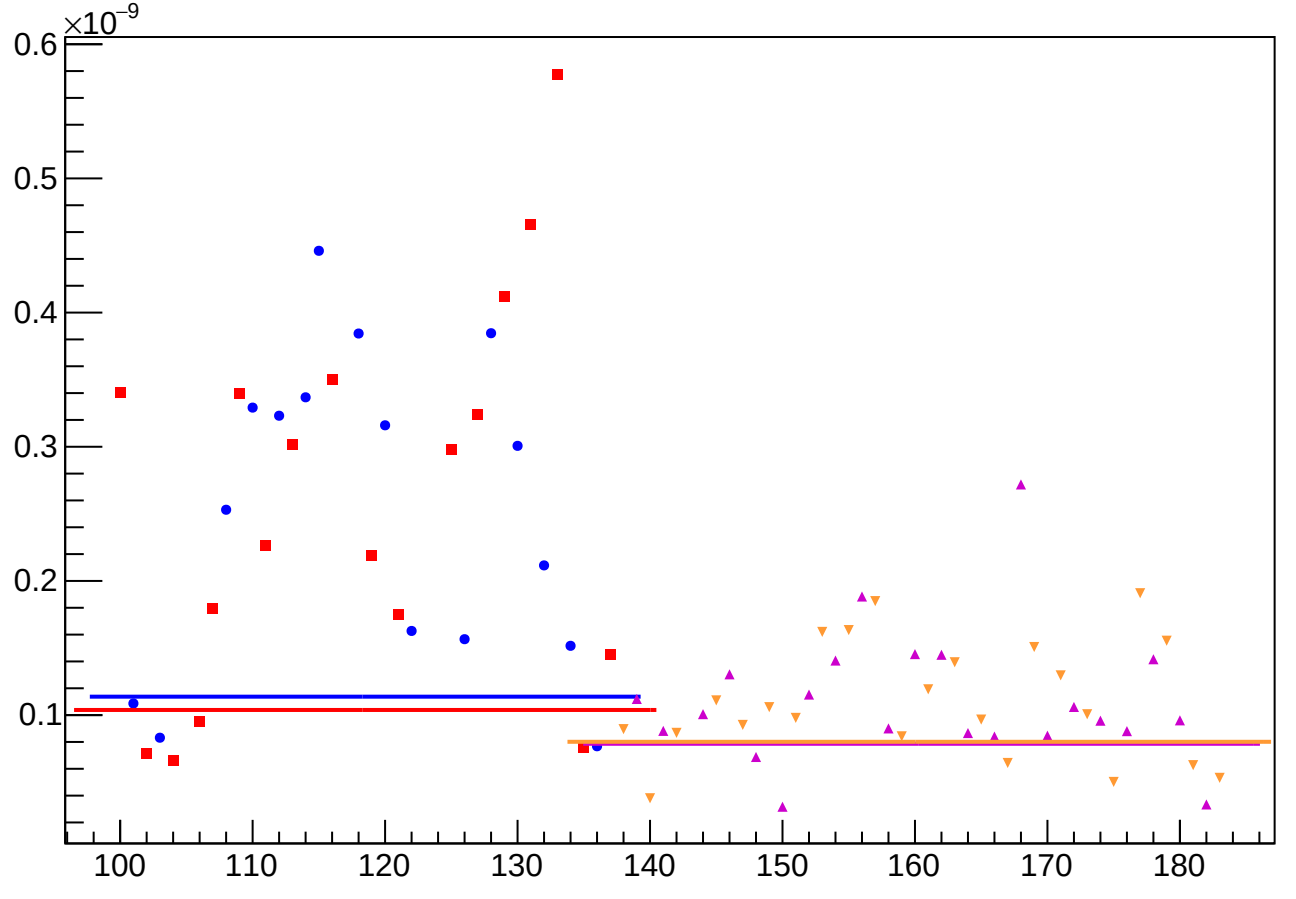
All: 5702.123+/-0.587 χ^2/NDF: 6414192.6/78


asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: 5697.218+/-1959.214 χ²/NDF: 12.6/15
Left Out: 3294.968+/-1560.637 χ²/NDF:26.6/22
Right Out: 3949.394+/-1920.582 χ²/NDF: 16.1/17
Left In: 4632.679+/-1557.499 χ²/NDF:14.1/21
Left: 3965.170+/-1102.426 χ²/NDF: 41.1/44
Right: 4805.905+/-1371.511 χ²/NDF: 29.2/33
In: 5044.913+/-1219.194 χ²/NDF:27.0/37
Out: 3555.232+/-1211.182 χ²/NDF:42.8/40
All: 4295.161+/-859.253 χ²/NDF: 70.5/78


asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
Right In: 5078.157+/-1.385 χ²/NDF: 919209.4/15
Left Out: 6554.388+/-1.104 χ²/NDF:909913.8/22
Right Out: 4791.154+/-1.331 χ²/NDF: 1162455.3/17
Left In: 6497.191+/-1.101 χ²/NDF:1051941.3/21
Left: 6525.732+/-0.780 χ²/NDF: 1963201.0/44
Right: 4928.883+/-0.960 χ²/NDF: 2103987.6/33
In: 5947.671+/-0.862 χ²/NDF:2614060.9/37
Out: 5835.898+/-0.849 χ²/NDF:3112663.7/40
All: 5890.959+/-0.605 χ²/NDF: 5735253.7/78


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:27.0/22
Right Out: -0.000+/-0.000 χ²/NDF: 17.4/17
Left In: -0.000+/-0.000 χ²/NDF:22.3/21
Left: 0.000+/-0.000 χ²/NDF: 49.4/44
Right: -0.000+/-0.000 χ²/NDF: 26.2/33
In: -0.000+/-0.000 χ²/NDF:31.6/37
Out: 0.000+/-0.000 χ²/NDF:44.4/40
All: -0.000+/-0.000 χ²/NDF: 76.3/78

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2153223.5/22

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: 4731081.9/44

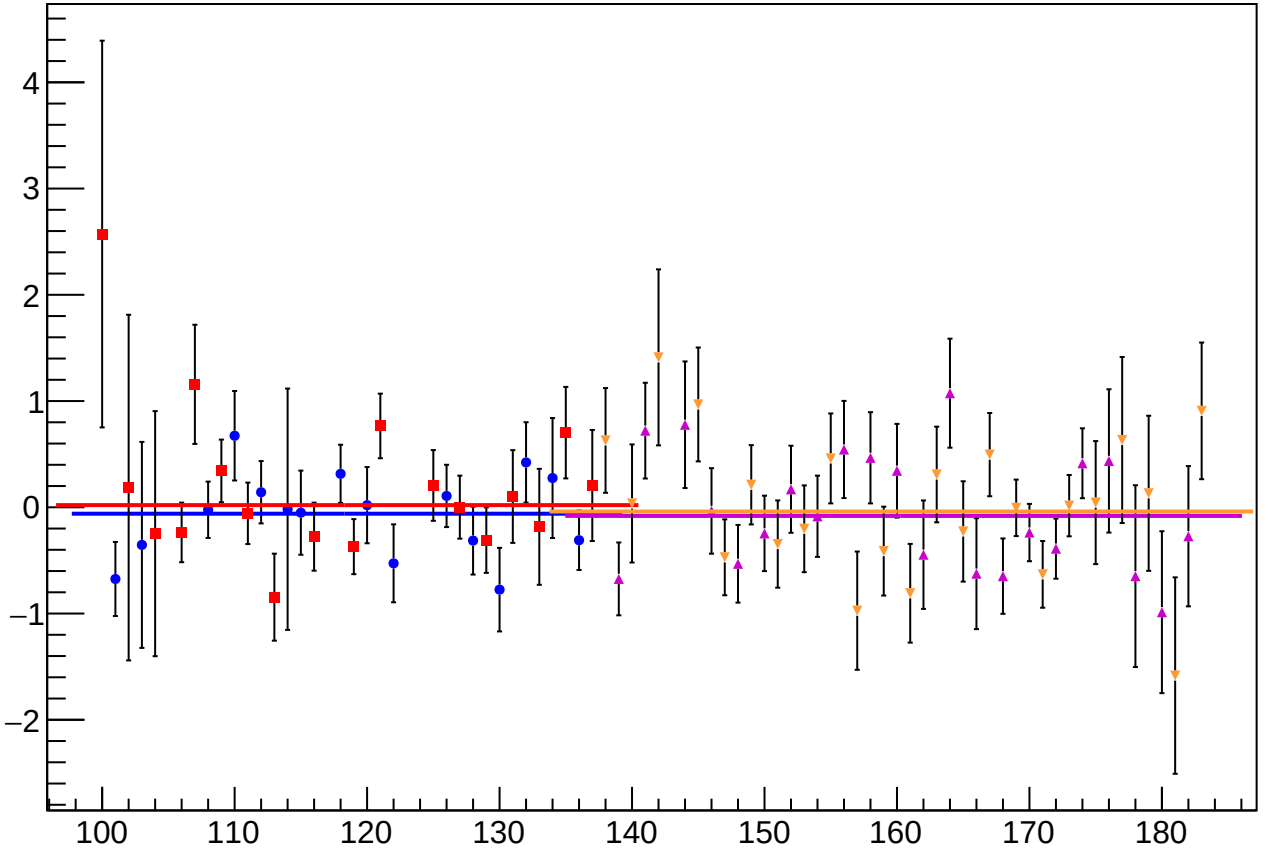
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:4439651.0/37

Out: 0.000+/-0.000 χ^2/NDF:4397345.8/40

All: 0.000+/-0.000 χ^2/NDF: 8837118.6/78

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: -0.040+/-0.091 χ^2/NDF:30.8/22

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.081+/-0.088 χ^2/NDF:30.3/21

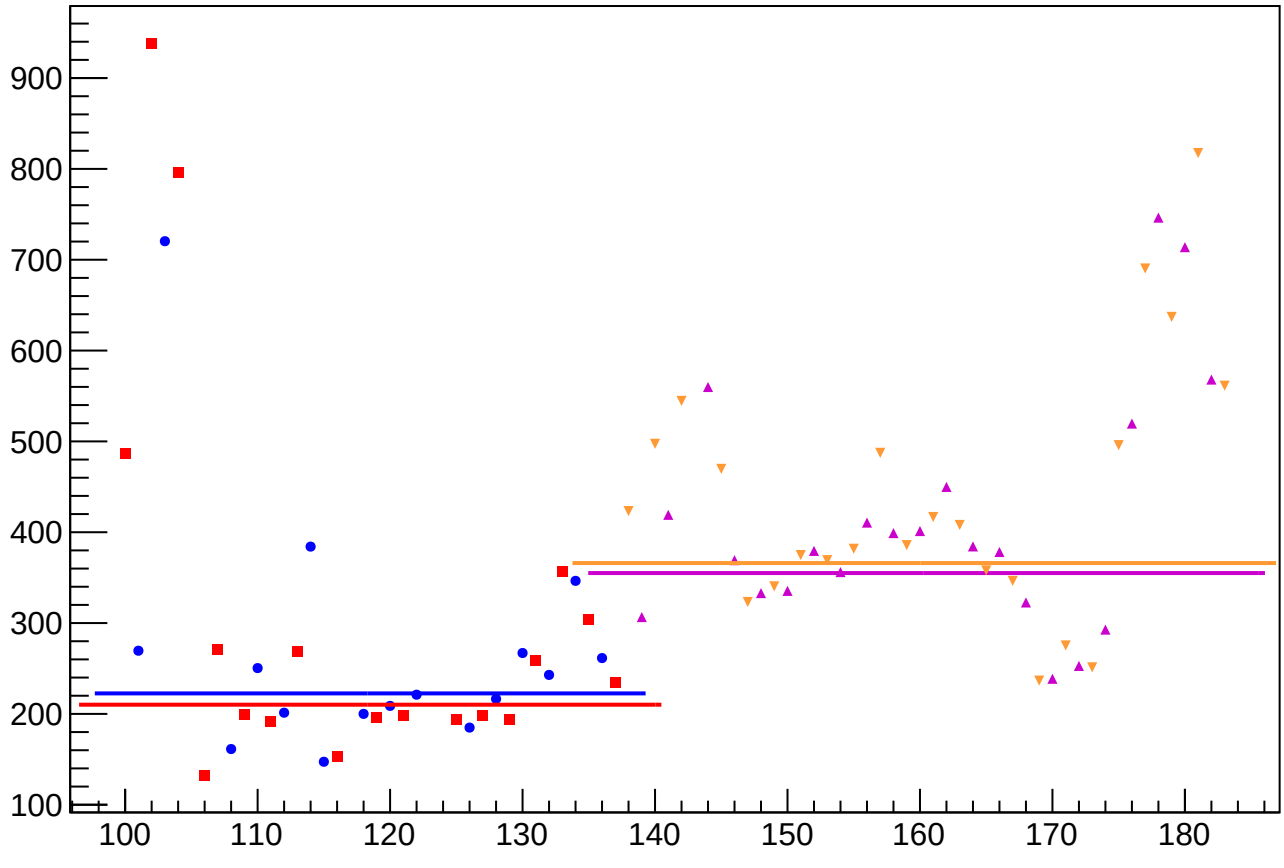
Left: -0.061+/-0.063 χ^2/NDF: 61.3/44

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.071+/-0.063 χ^2/NDF:47.7/37

Out: -0.008+/-0.063 χ^2/NDF:57.2/40

All: -0.040+/-0.044 χ^2/NDF: 105.3/78



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 366.072+/-0.064 χ^2/NDF:2834037.2/22

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: 360.399+/-0.045 χ^2/NDF: 5251039.6/44

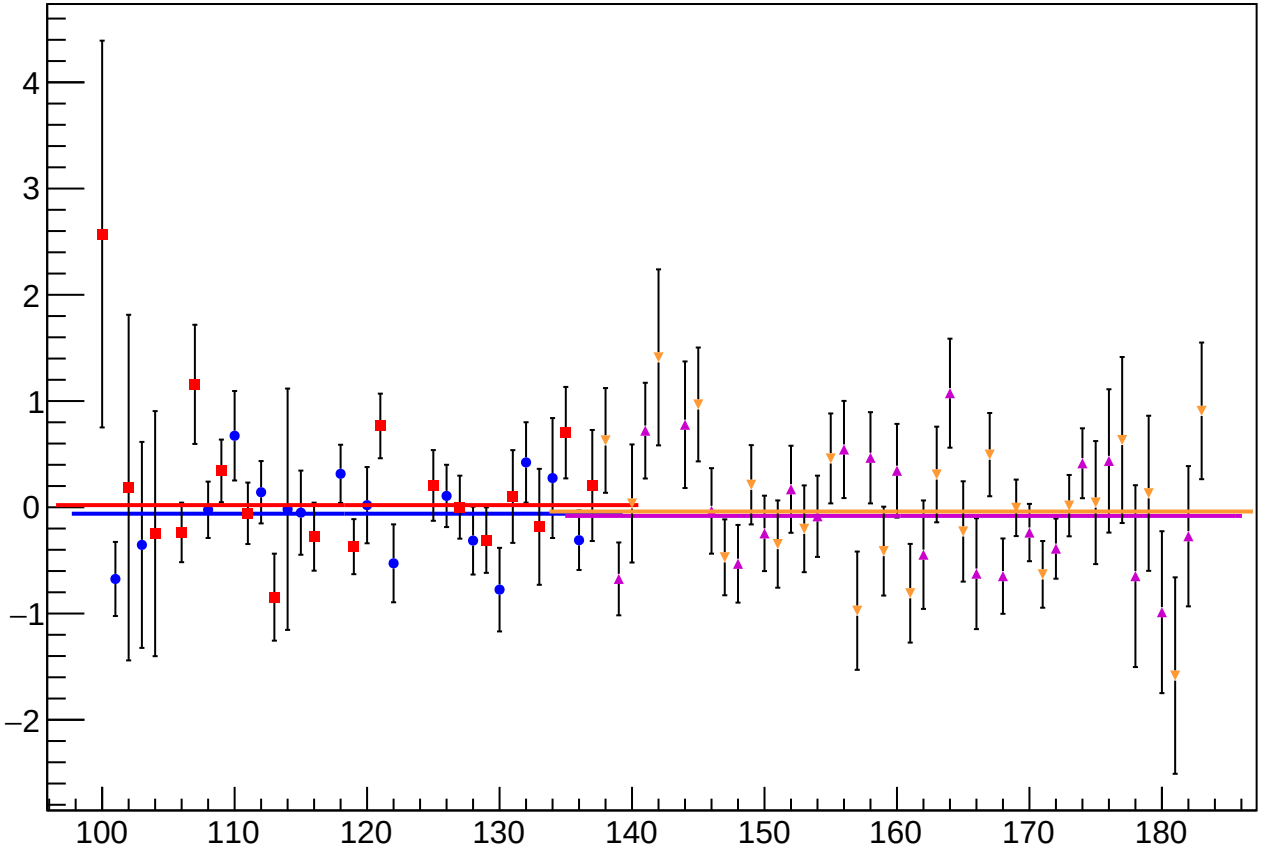
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 289.088+/-0.044 χ^2/NDF:5663159.2/37

Out: 284.964+/-0.045 χ^2/NDF:7436356.9/40

All: 287.042+/-0.031 χ^2/NDF: 13103827.1/78

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: -0.040+/-0.091 χ^2/NDF:30.8/22

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: -0.061+/-0.063 χ^2/NDF: 61.3/44

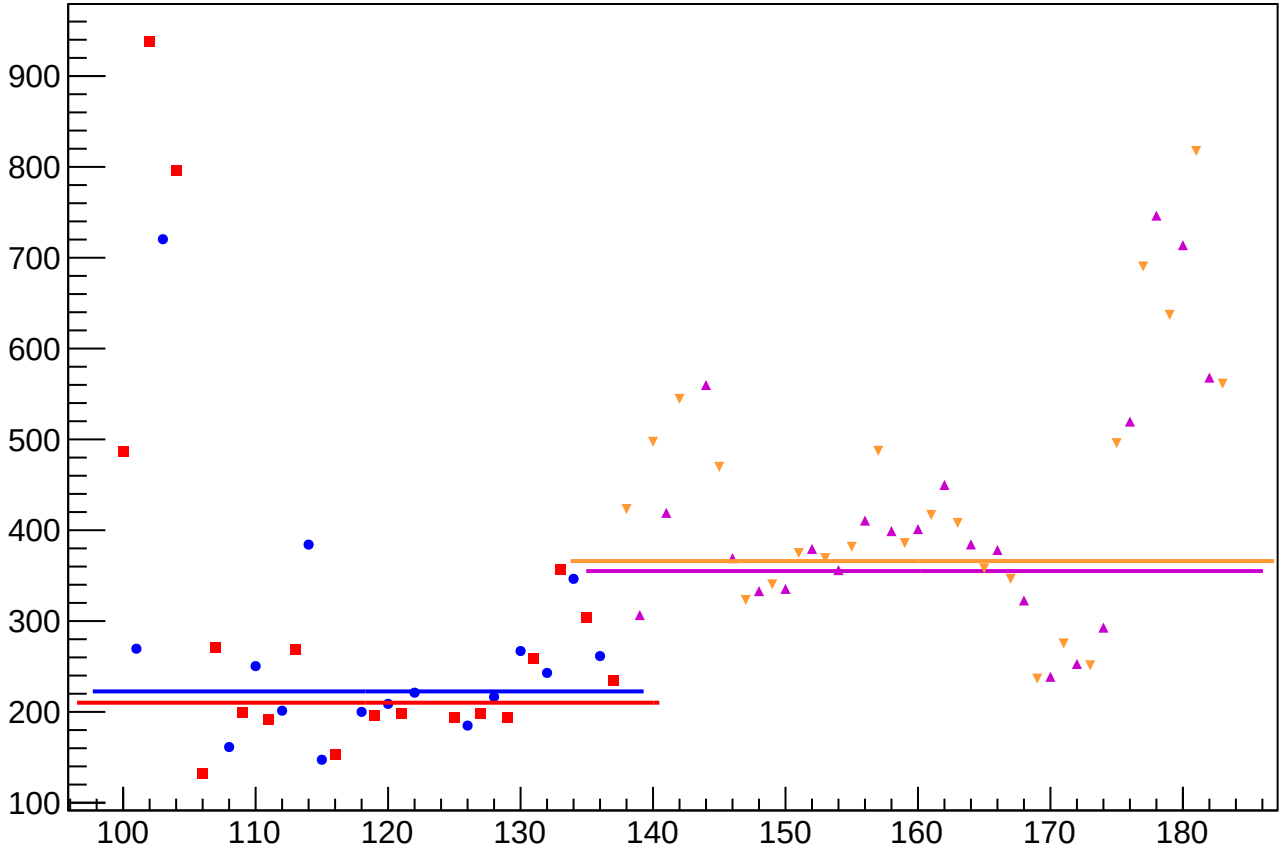
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.071+/-0.063 χ^2/NDF:47.7/37

Out: -0.008+/-0.063 χ^2/NDF:57.2/40

All: -0.040+/-0.044 χ^2/NDF: 105.3/78

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: 366.072+/-0.064 χ^2/NDF:2834037.2/22

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: 360.399+/-0.045 χ^2/NDF: 5251039.6/44

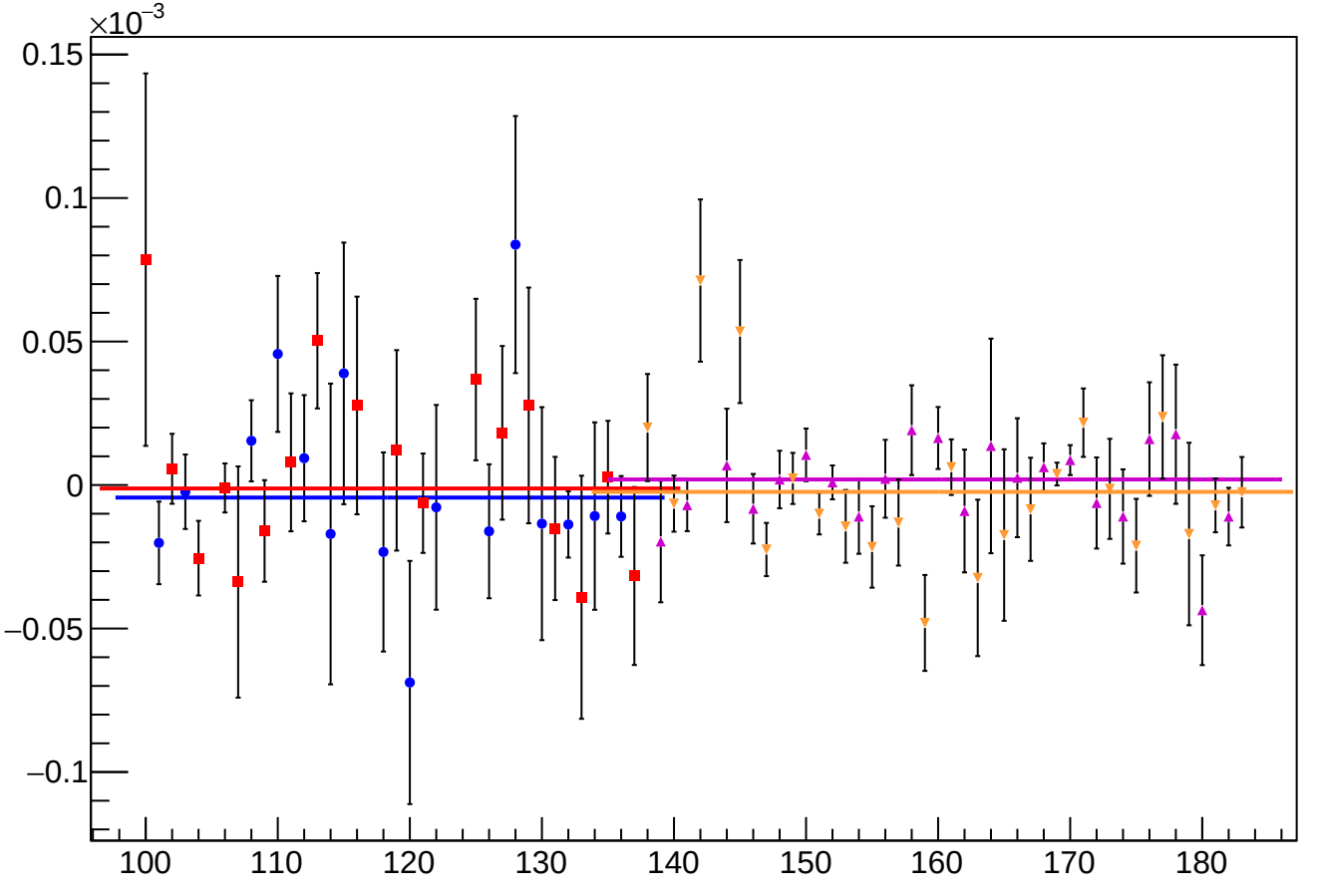
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 289.088+/-0.044 χ^2/NDF:5663159.2/37

Out: 284.964+/-0.045 χ^2/NDF:7436356.9/40

All: 287.042+/-0.031 χ^2/NDF: 13103827.1/78

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:42.4/22

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: 63.2/44

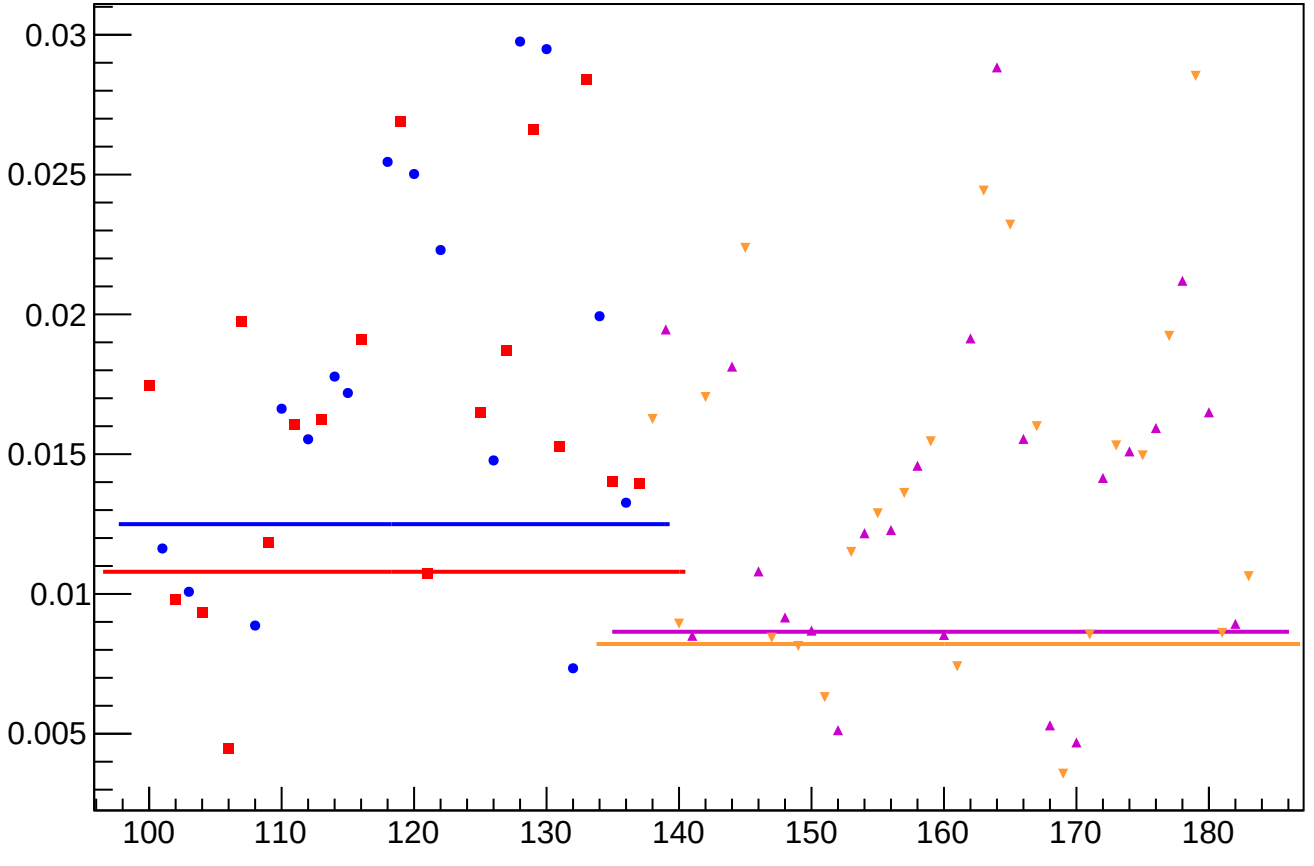
Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: 0.000+/-0.000 χ^2/NDF:36.0/37

Out: -0.000+/-0.000 χ^2/NDF:59.7/40

All: -0.000+/-0.000 χ^2/NDF: 96.7/78

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:8777298.7/22

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: 15606116.1/44

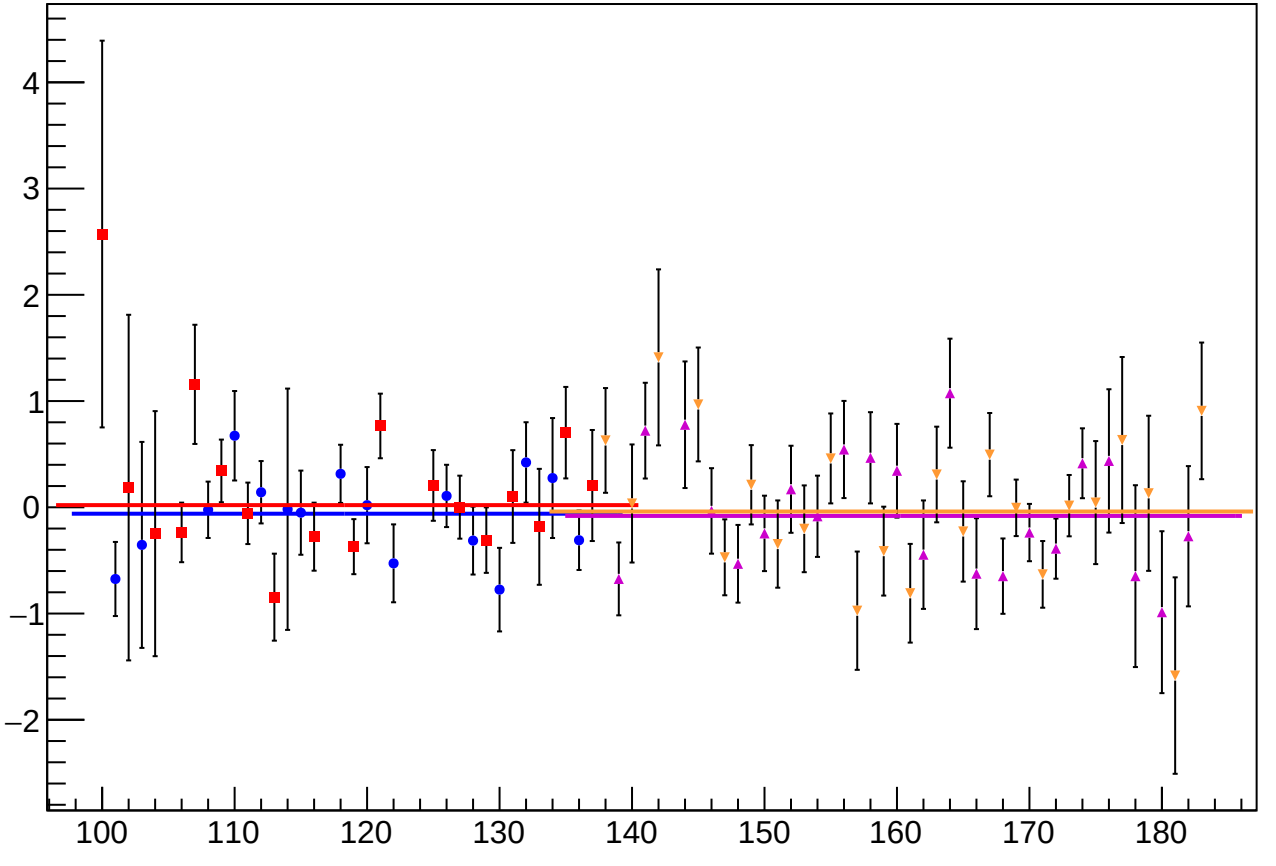
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.009+/-0.000 χ^2/NDF:9850151.0/37

Out: 0.009+/-0.000 χ^2/NDF:12274770.7/40

All: 0.009+/-0.000 χ^2/NDF: 22210593.5/78

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: -0.040+/-0.091 χ^2/NDF:30.8/22

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: -0.061+/-0.063 χ^2/NDF: 61.3/44

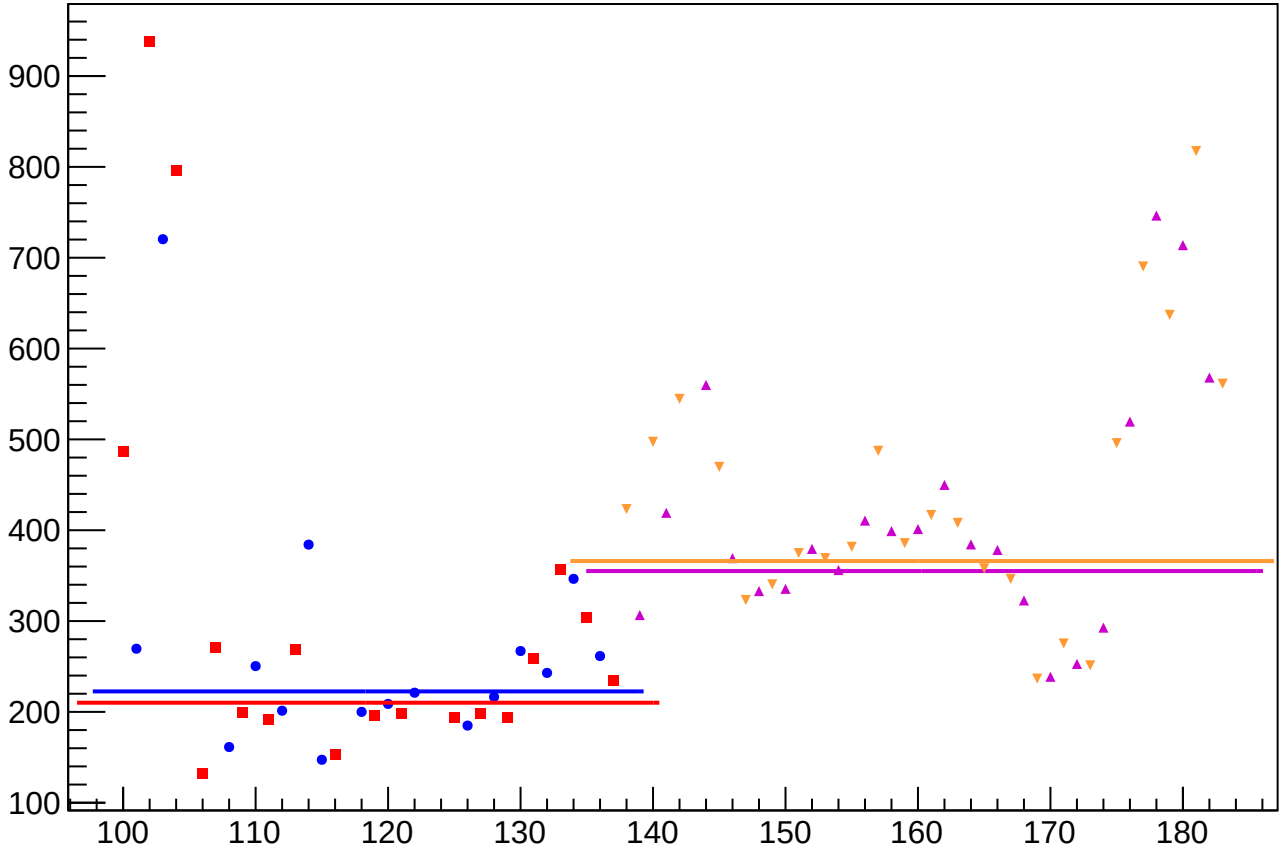
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.071+/-0.063 χ^2/NDF:47.7/37

Out: -0.008+/-0.063 χ^2/NDF:57.2/40

All: -0.040+/-0.044 χ^2/NDF: 105.3/78

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: 366.073+/-0.064 χ^2/NDF:2834255.3/22

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: 360.400+/-0.045 χ^2/NDF: 5251415.4/44

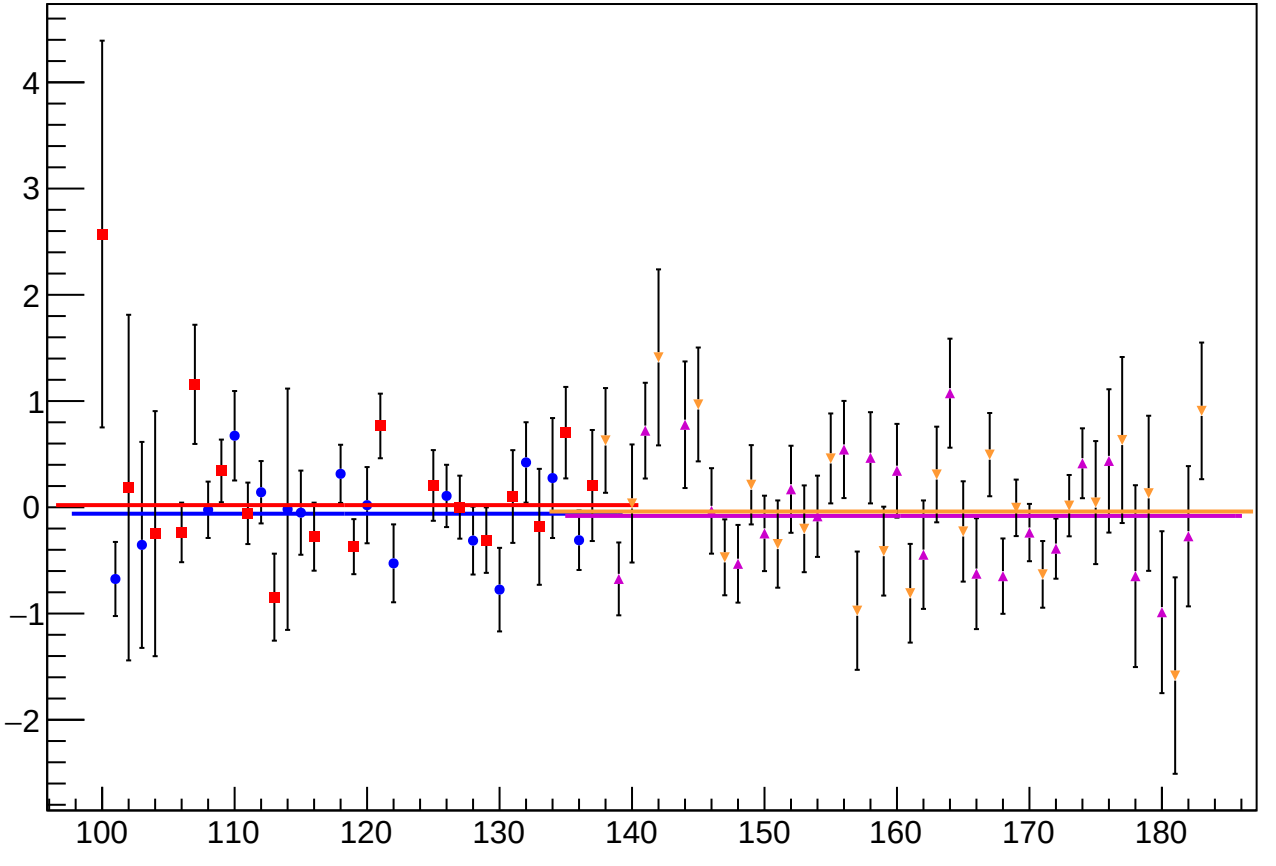
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 289.087+/-0.044 χ^2/NDF:5663419.3/37

Out: 284.961+/-0.045 χ^2/NDF:7436692.1/40

All: 287.040+/-0.031 χ^2/NDF: 13104425.2/78

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: -0.040+/-0.091 χ^2/NDF:30.8/22

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: -0.061+/-0.063 χ^2/NDF: 61.3/44

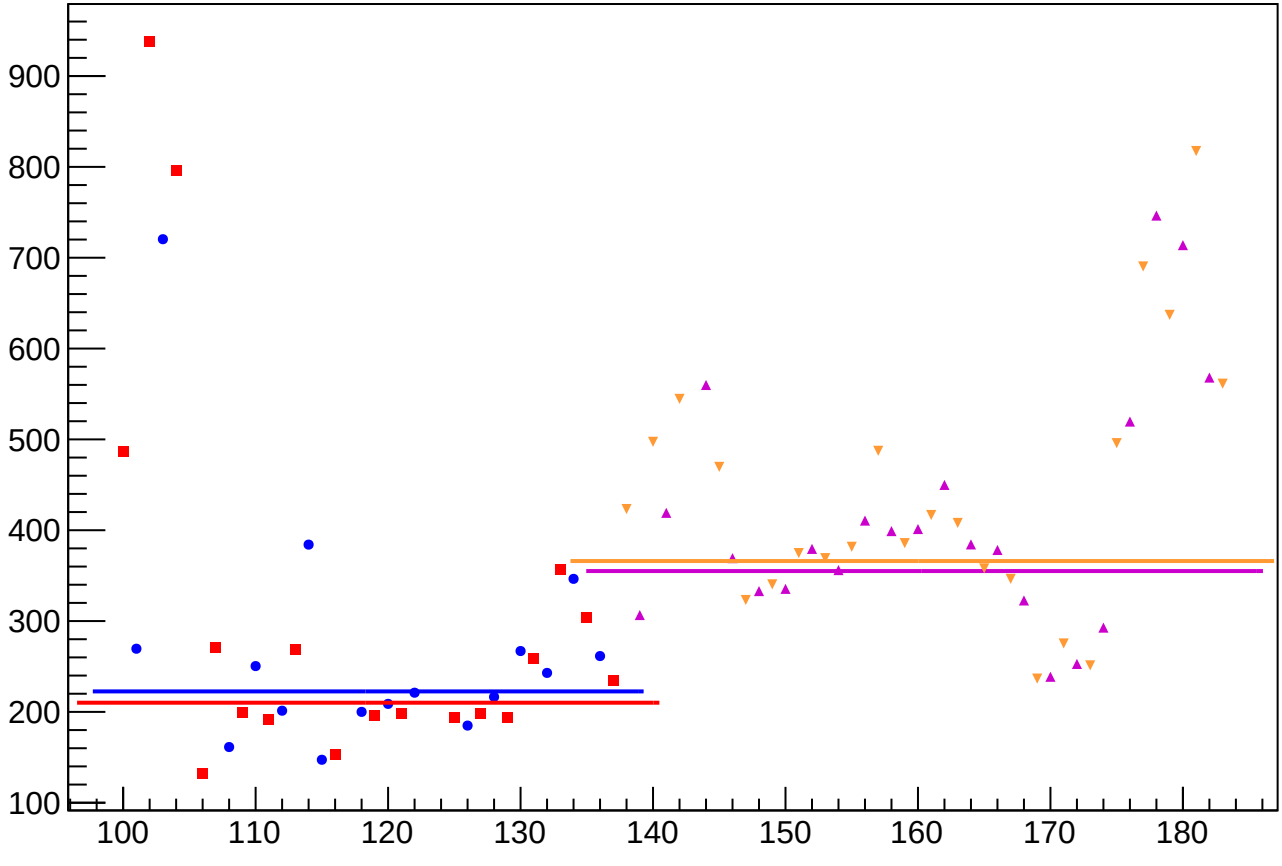
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.071+/-0.063 χ^2/NDF:47.7/37

Out: -0.008+/-0.063 χ^2/NDF:57.2/40

All: -0.040+/-0.044 χ^2/NDF: 105.3/78

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: 366.073+/-0.064 χ^2/NDF:2834255.3/22

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 355.061+/-0.062 χ^2/NDF:2402078.3/21

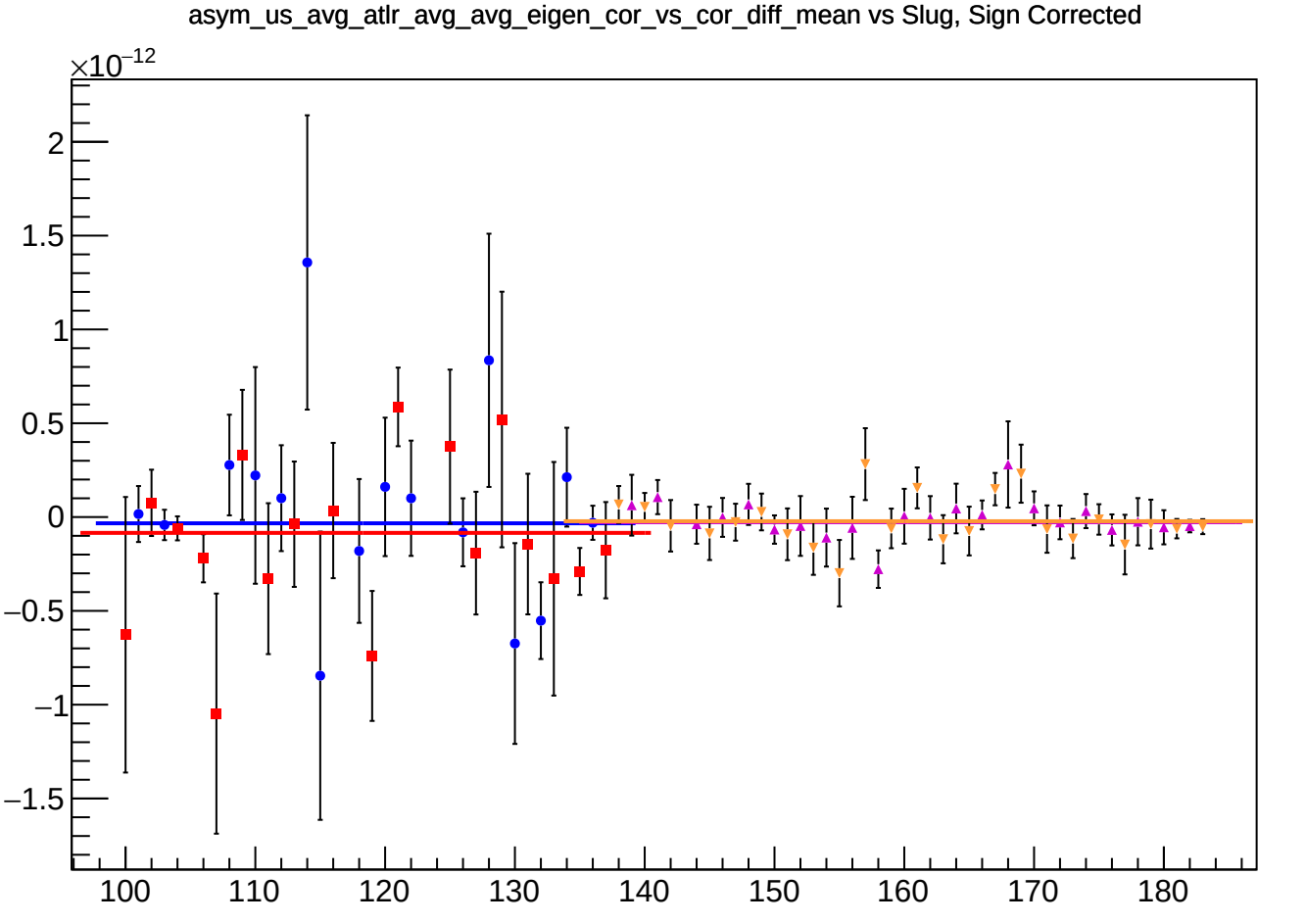
Left: 360.400+/-0.045 χ^2/NDF: 5251415.4/44

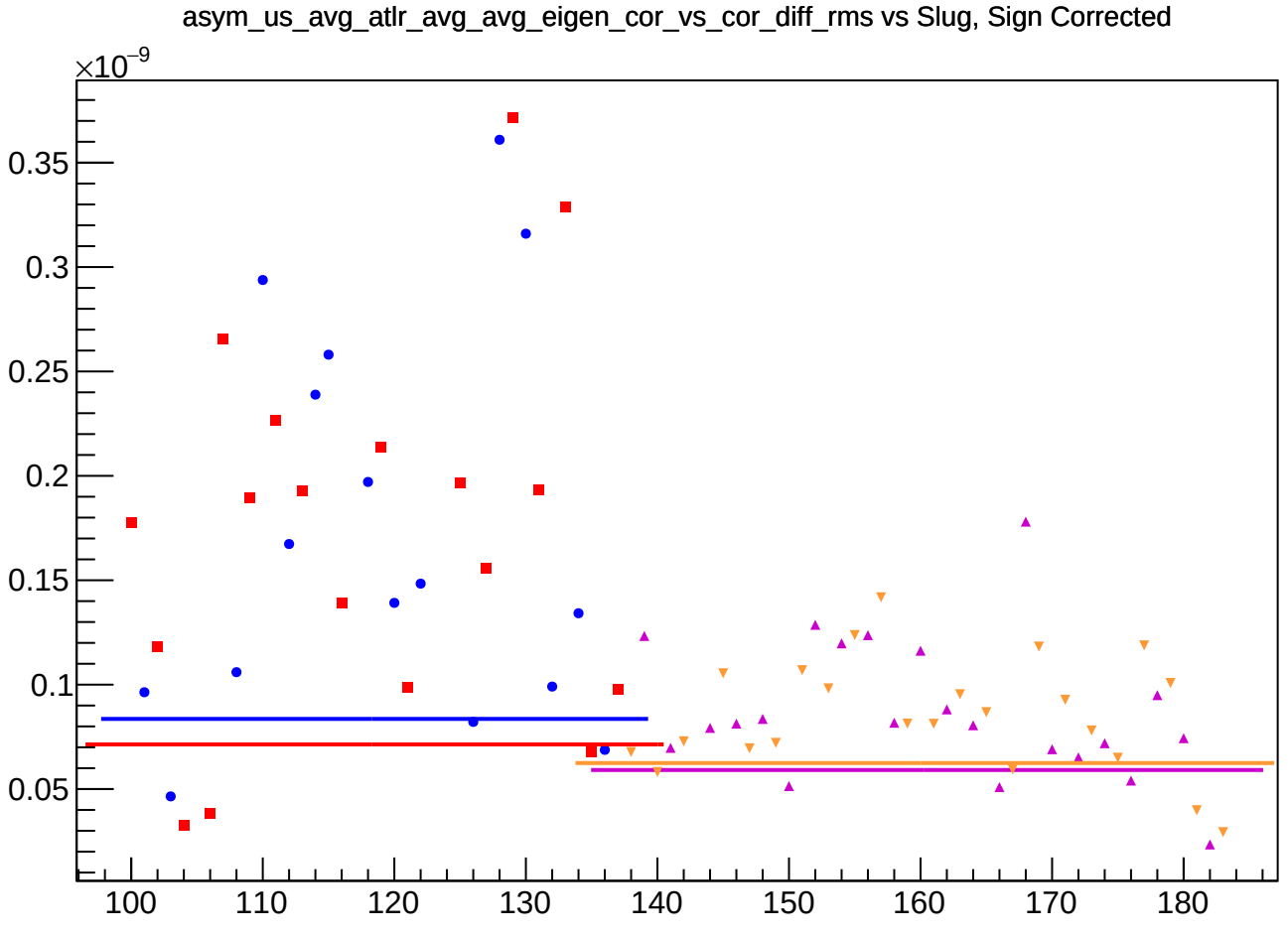
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

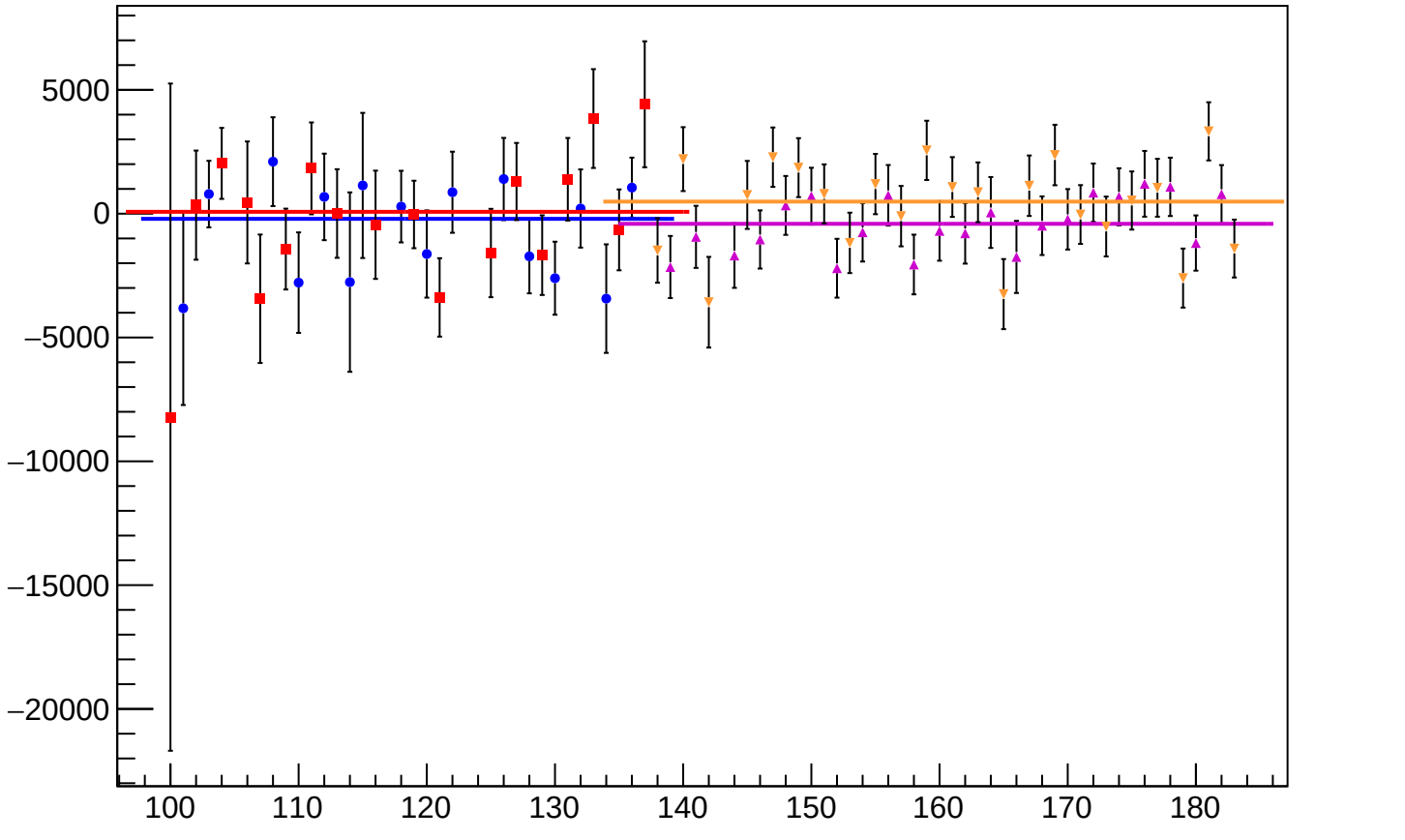
In: 289.087+/-0.044 χ^2/NDF:5663419.3/37

Out: 284.961+/-0.045 χ^2/NDF:7436692.1/40

All: 287.040+/-0.031 χ^2/NDF: 13104425.2/78


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
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: 17.2/15
Left Out: -0.000+/-0.000 χ²/NDF:21.3/22
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/17
Left In: -0.000+/-0.000 χ²/NDF:14.4/21
Left: -0.000+/-0.000 χ²/NDF: 35.8/44
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:31.7/37
Out: -0.000+/-0.000 χ²/NDF:48.8/40
All: -0.000+/-0.000 χ²/NDF: 80.5/78


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:4078594.9/22
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: 9463015.8/44
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:7891824.6/40
All: 0.000+/-0.000 χ²/NDF: 15952071.9/78



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 488.098+/-257.621 χ^2/NDF:44.3/22

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -409.139+/-259.744 χ^2/NDF:17.6/21

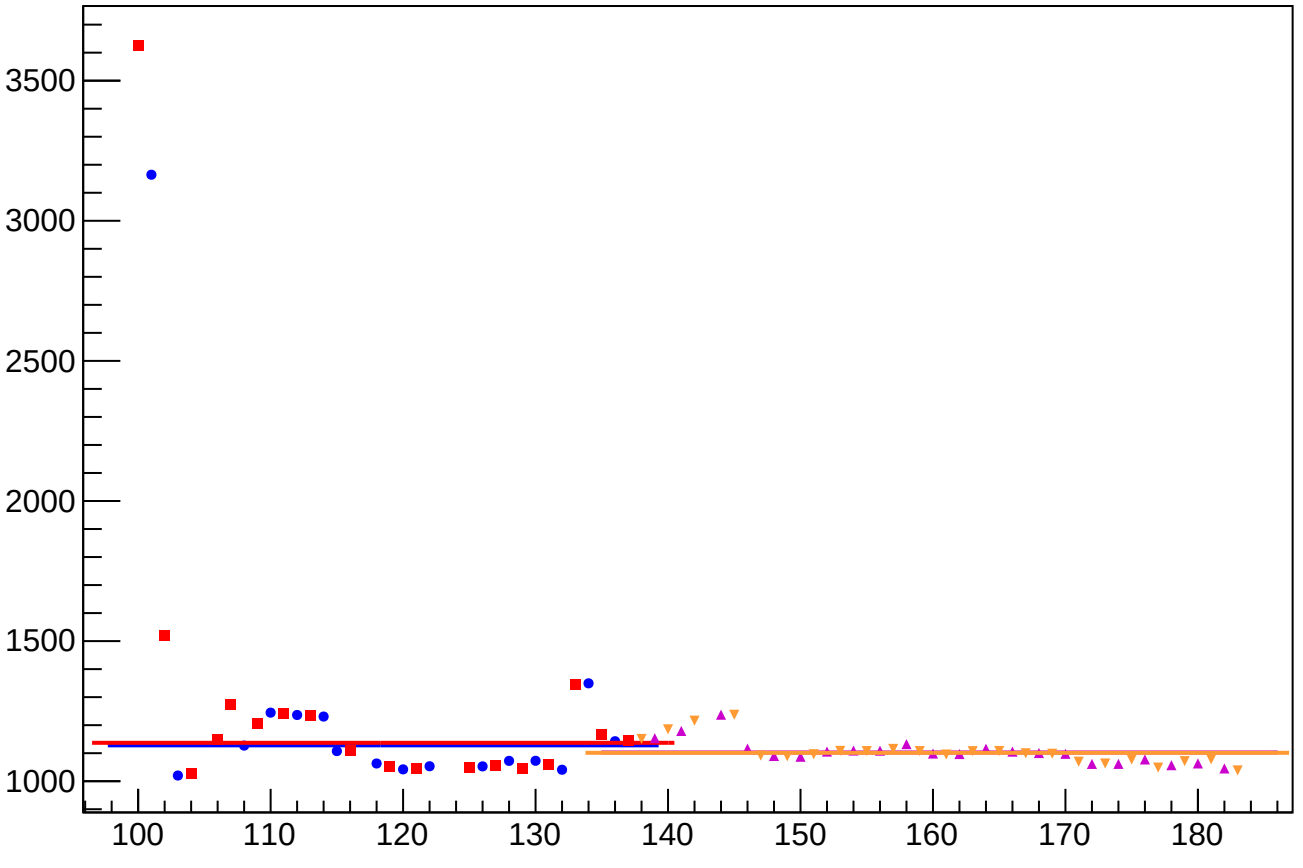
Left: 43.161+/-182.911 χ^2/NDF: 67.9/44

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -355.302+/-222.213 χ^2/NDF:32.5/37

Out: 379.430+/-221.097 χ^2/NDF:65.7/40

All: 13.913+/-156.732 χ^2/NDF: 103.7/78



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1101.315+/-0.182 χ^2/NDF:55814.2/22

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1102.574+/-0.184 χ^2/NDF:50356.0/21

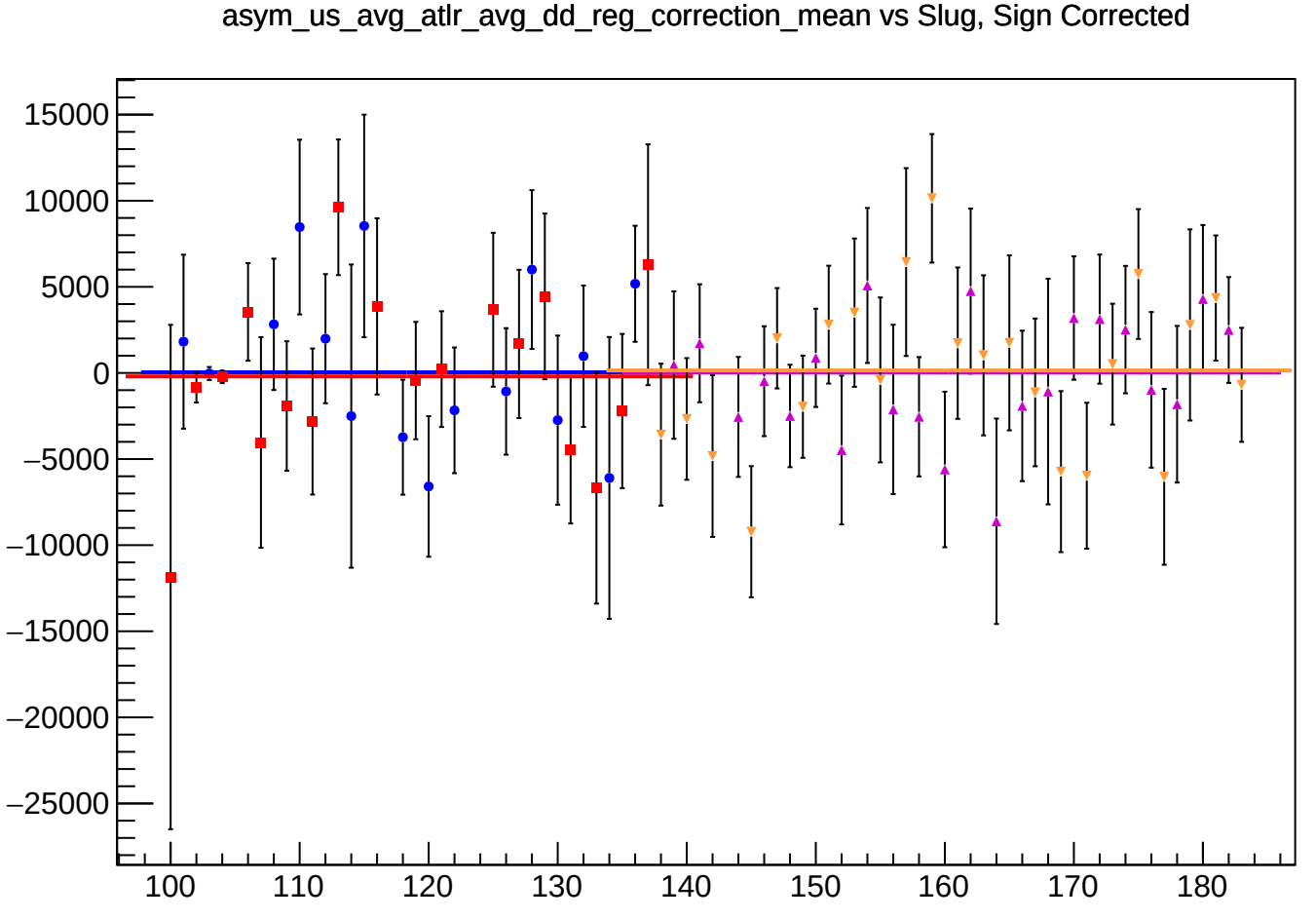
Left: 1101.939+/-0.129 χ^2/NDF: 106193.9/44

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

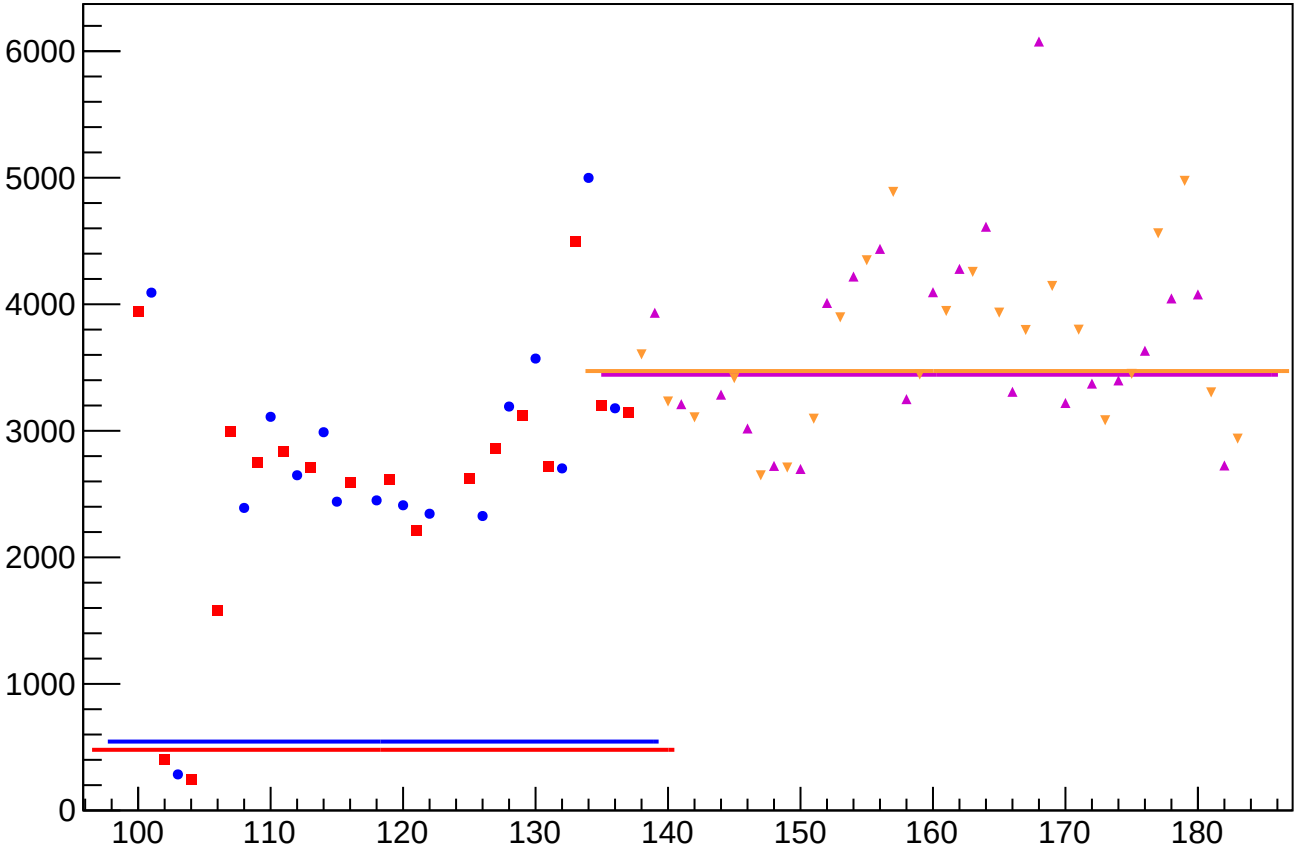
In: 1109.393+/-0.157 χ^2/NDF:676891.6/37

Out: 1110.752+/-0.156 χ^2/NDF:286060.7/40

All: 1110.076+/-0.111 χ^2/NDF: 962989.9/78


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: 143.903+/-828.962 χ²/NDF:28.6/22
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: 21.206+/-827.559 χ²/NDF:13.3/21
Left: 82.451+/-585.668 χ²/NDF: 42.0/44
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: 35.610+/-328.303 χ²/NDF:28.2/37
Out: -156.207+/-300.592 χ²/NDF:44.4/40
All: -68.734+/-221.701 χ²/NDF: 72.8/78

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3472.308+/-0.586 χ^2/NDF:1041191.6/22

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3443.200+/-0.585 χ^2/NDF:1215450.4/21

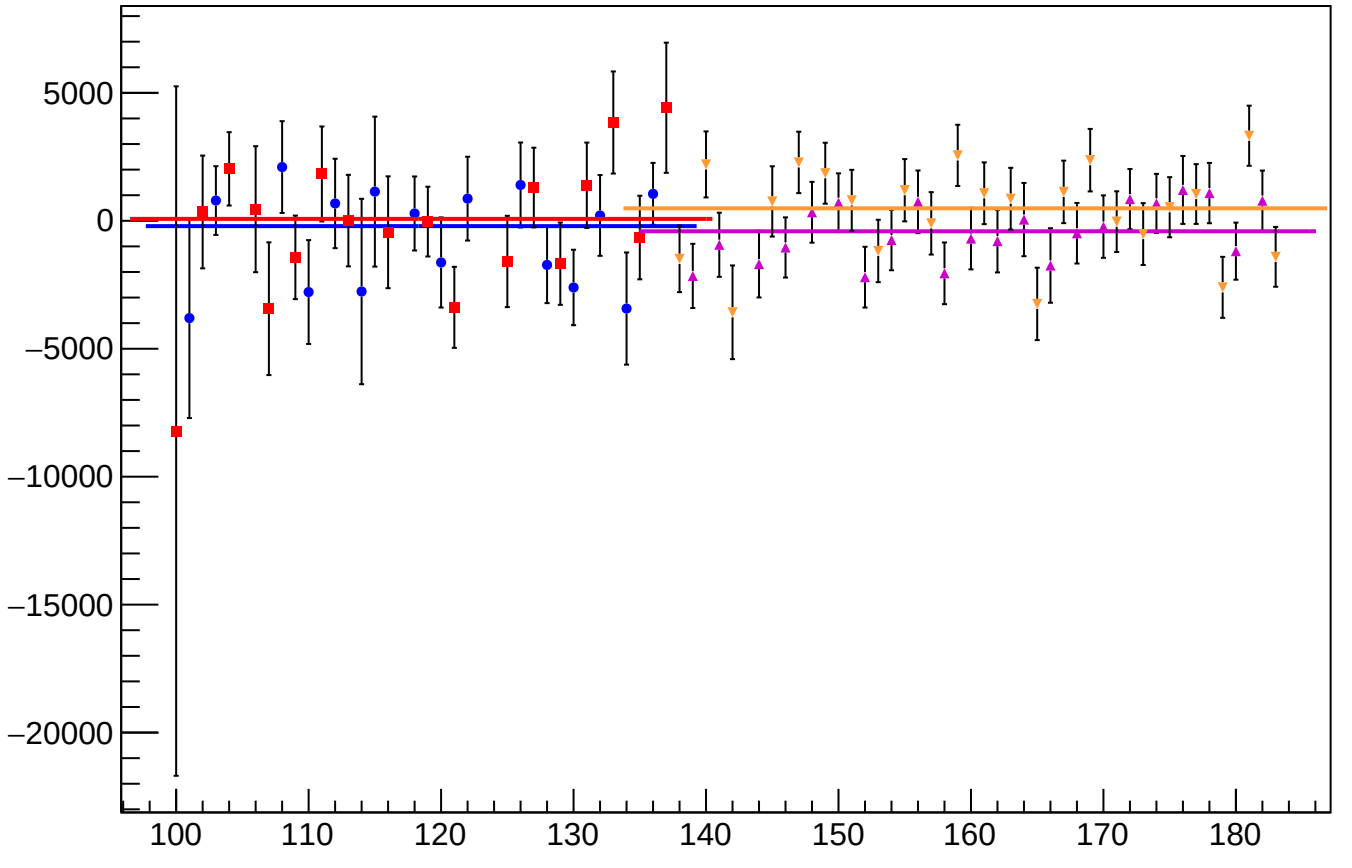
Left: 3457.729+/-0.414 χ^2/NDF: 2257877.1/44

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 1000.563+/-0.232 χ^2/NDF:31576929.5/37

Out: 872.804+/-0.213 χ^2/NDF:32873838.7/40

All: 931.065+/-0.157 χ^2/NDF: 64615524.4/78



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 488.178+/-257.621 χ^2/NDF:44.3/22

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -409.123+/-259.744 χ^2/NDF:17.6/21

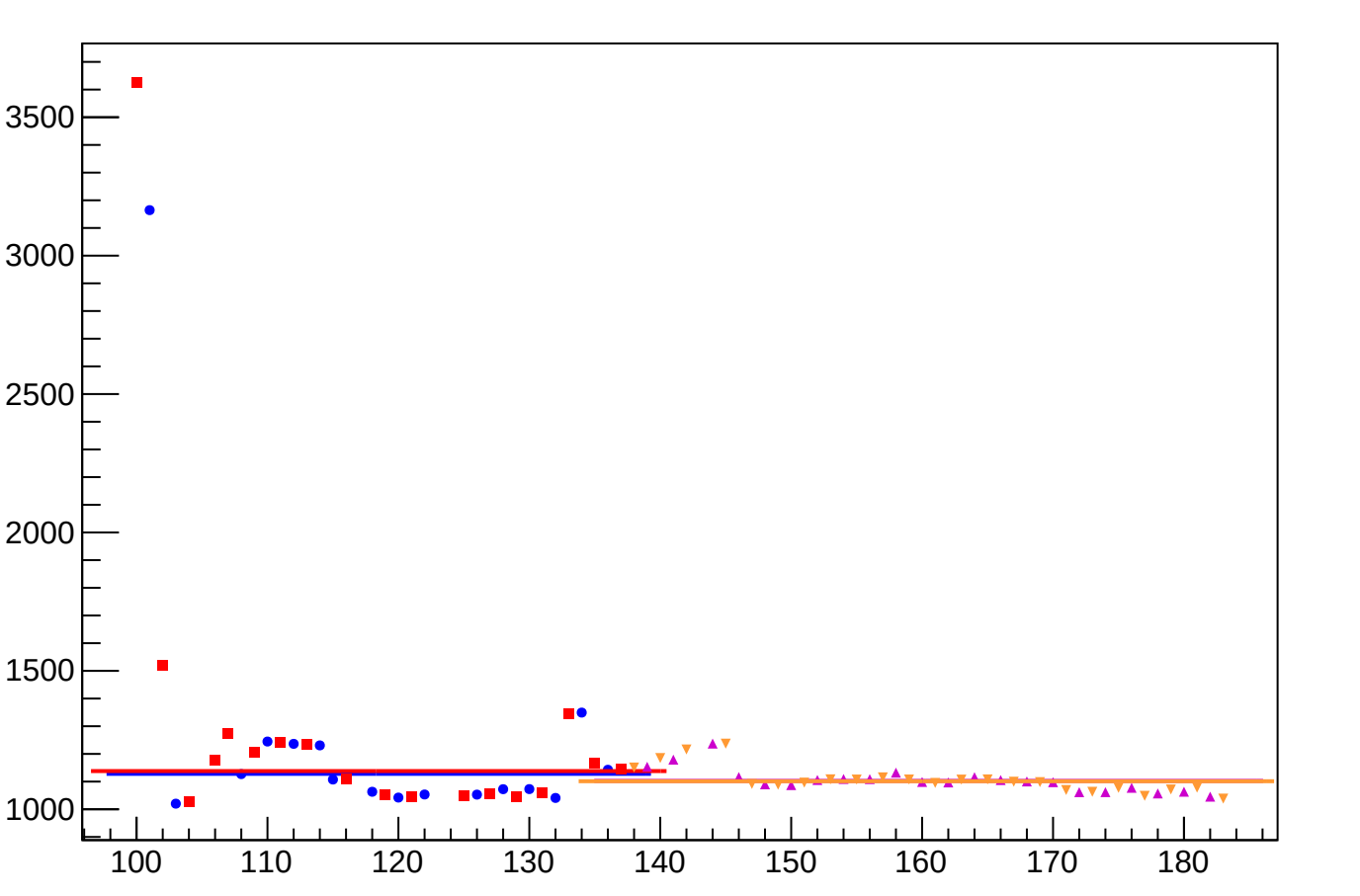
Left: 43.209+/-182.911 χ^2/NDF: 67.9/44

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -355.230+/-222.213 χ^2/NDF:32.5/37

Out: 379.528+/-221.097 χ^2/NDF:65.7/40

All: 13.998+/-156.732 χ^2/NDF: 103.7/78



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1101.315+/-0.182 χ^2/NDF:55814.2/22

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1102.574+/-0.184 χ^2/NDF:50356.0/21

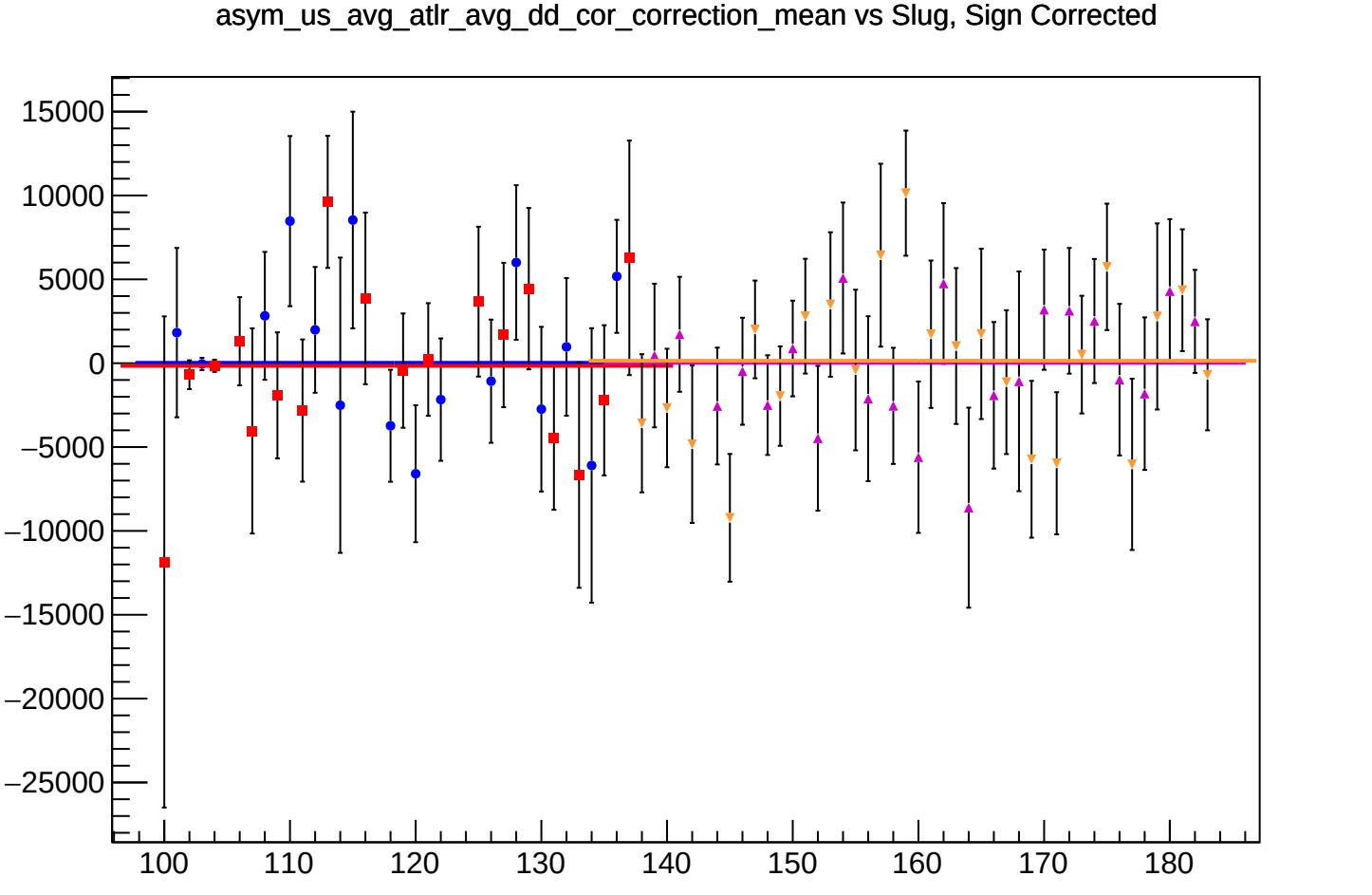
Left: 1101.939+/-0.129 χ^2/NDF: 106193.9/44

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1109.393+/-0.157 χ^2/NDF:676892.6/37

Out: 1110.987+/-0.156 χ^2/NDF:287131.5/40

All: 1110.194+/-0.111 χ^2/NDF: 964075.8/78



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 143.941+/-828.963 χ^2/NDF:28.6/22

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 21.208+/-827.558 χ^2/NDF:13.3/21

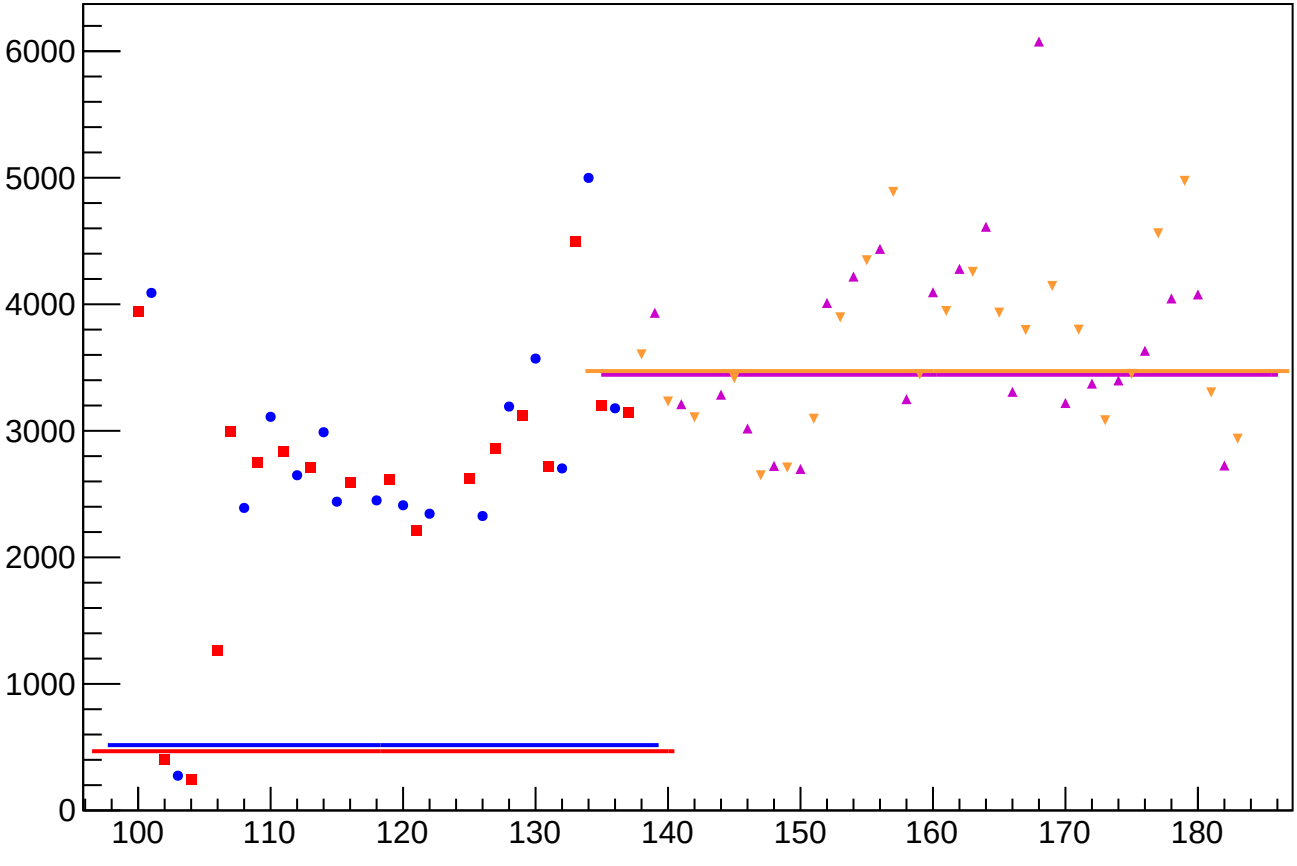
Left: 82.470+/-585.668 χ^2/NDF: 42.0/44

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 21.580+/-318.063 χ^2/NDF:28.2/37

Out: -117.858+/-296.388 χ^2/NDF:42.7/40

All: -53.051+/-216.836 χ^2/NDF: 71.0/78



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3472.310+/-0.586 χ^2/NDF:1041197.7/22

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3443.197+/-0.585 χ^2/NDF:1215462.4/21

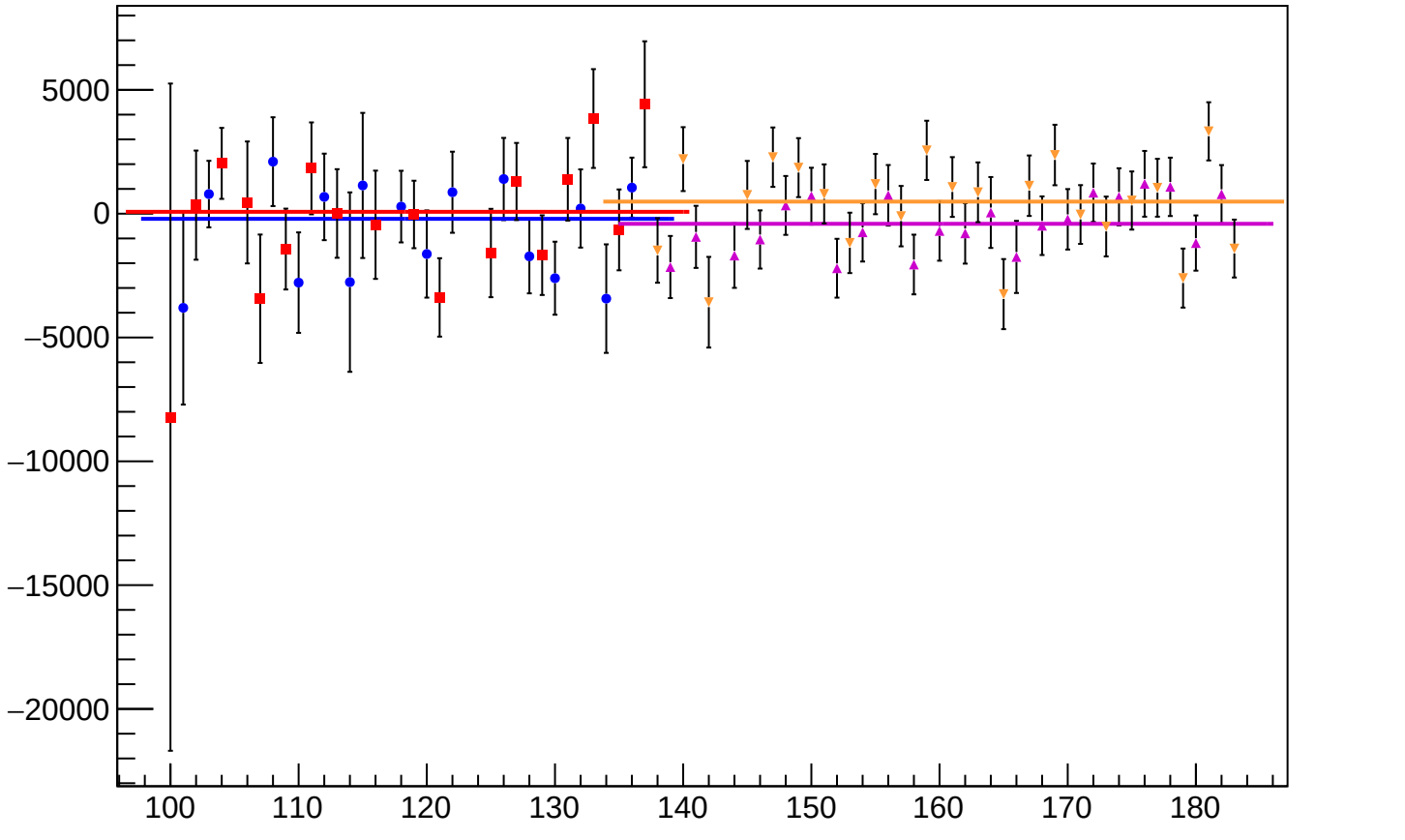
Left: 3457.729+/-0.414 χ^2/NDF: 2257895.5/44

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 948.649+/-0.225 χ^2/NDF:32372376.3/37

Out: 852.110+/-0.210 χ^2/NDF:33062709.0/40

All: 896.978+/-0.153 χ^2/NDF: 65533700.5/78



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 488.178+/-257.621 χ^2/NDF:44.3/22

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -409.123+/-259.744 χ^2/NDF:17.6/21

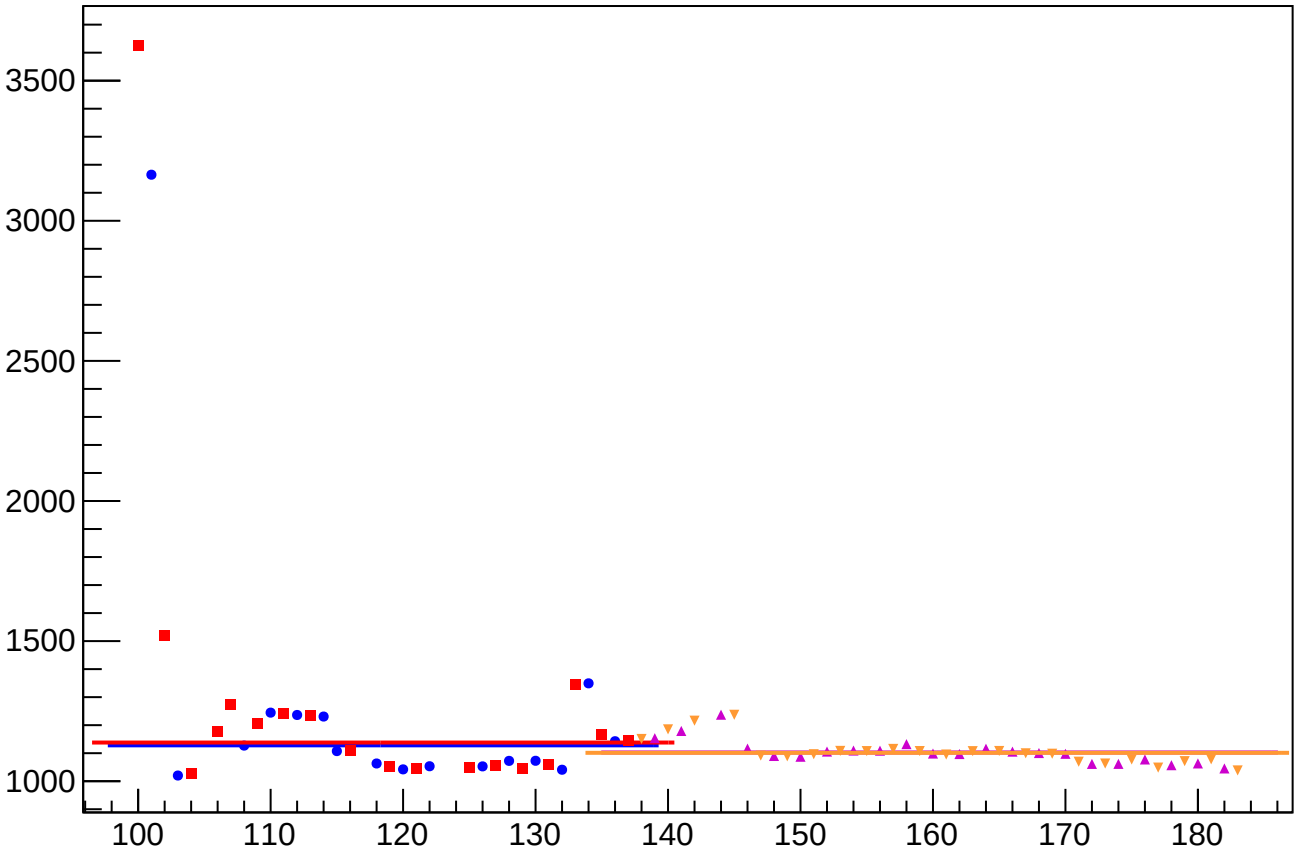
Left: 43.209+/-182.911 χ^2/NDF: 67.9/44

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -355.230+/-222.213 χ^2/NDF:32.5/37

Out: 379.528+/-221.097 χ^2/NDF:65.7/40

All: 13.998+/-156.732 χ^2/NDF: 103.7/78



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1101.315+/-0.182 χ^2/NDF:55814.2/22

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: 1101.939+/-0.129 χ^2/NDF: 106193.9/44

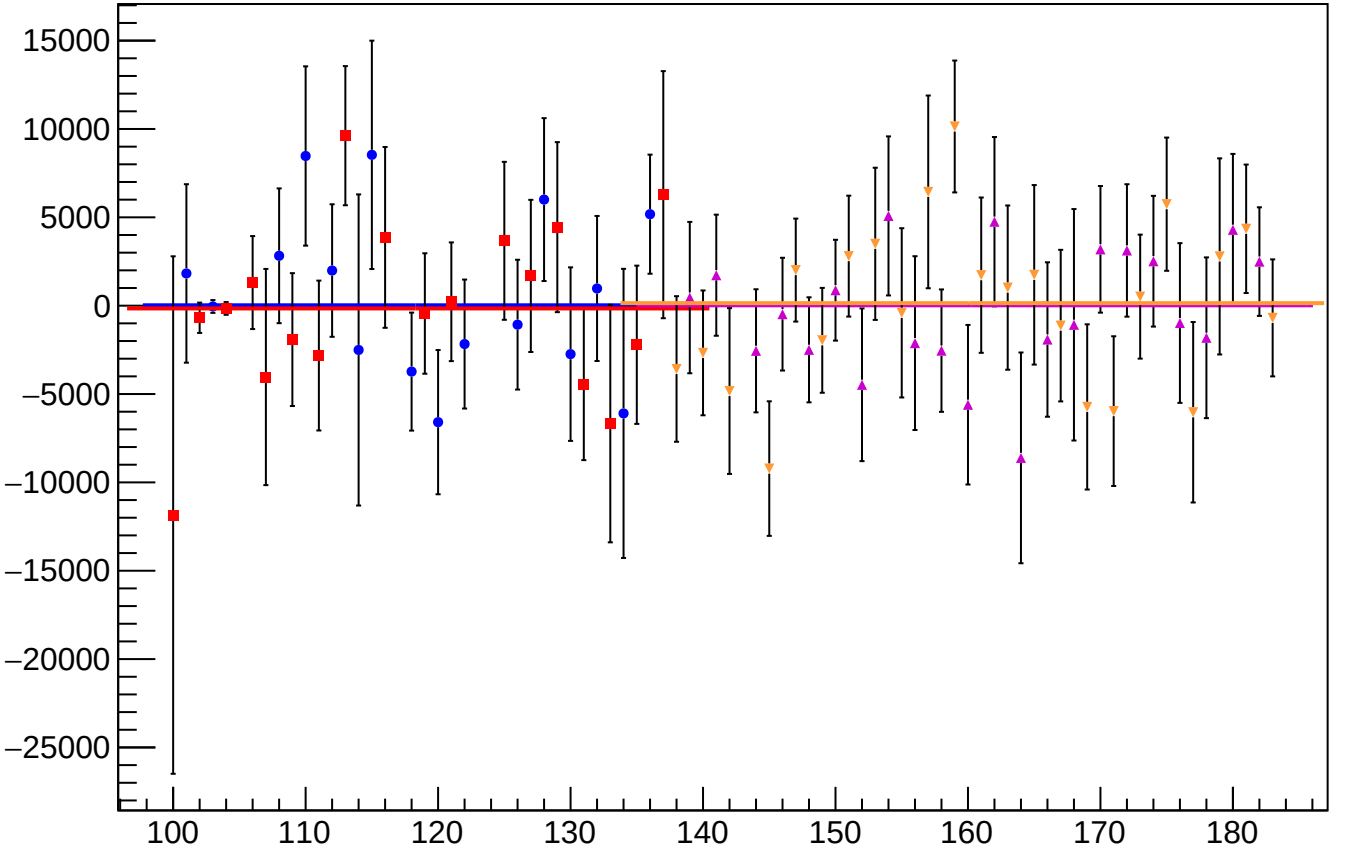
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1109.393+/-0.157 χ^2/NDF:676892.6/37

Out: 1110.987+/-0.156 χ^2/NDF:287131.5/40

All: 1110.194+/-0.111 χ^2/NDF: 964075.8/78

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: 143.941+/-828.963 χ^2/NDF:28.6/22

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 21.208+/-827.558 χ^2/NDF:13.3/21

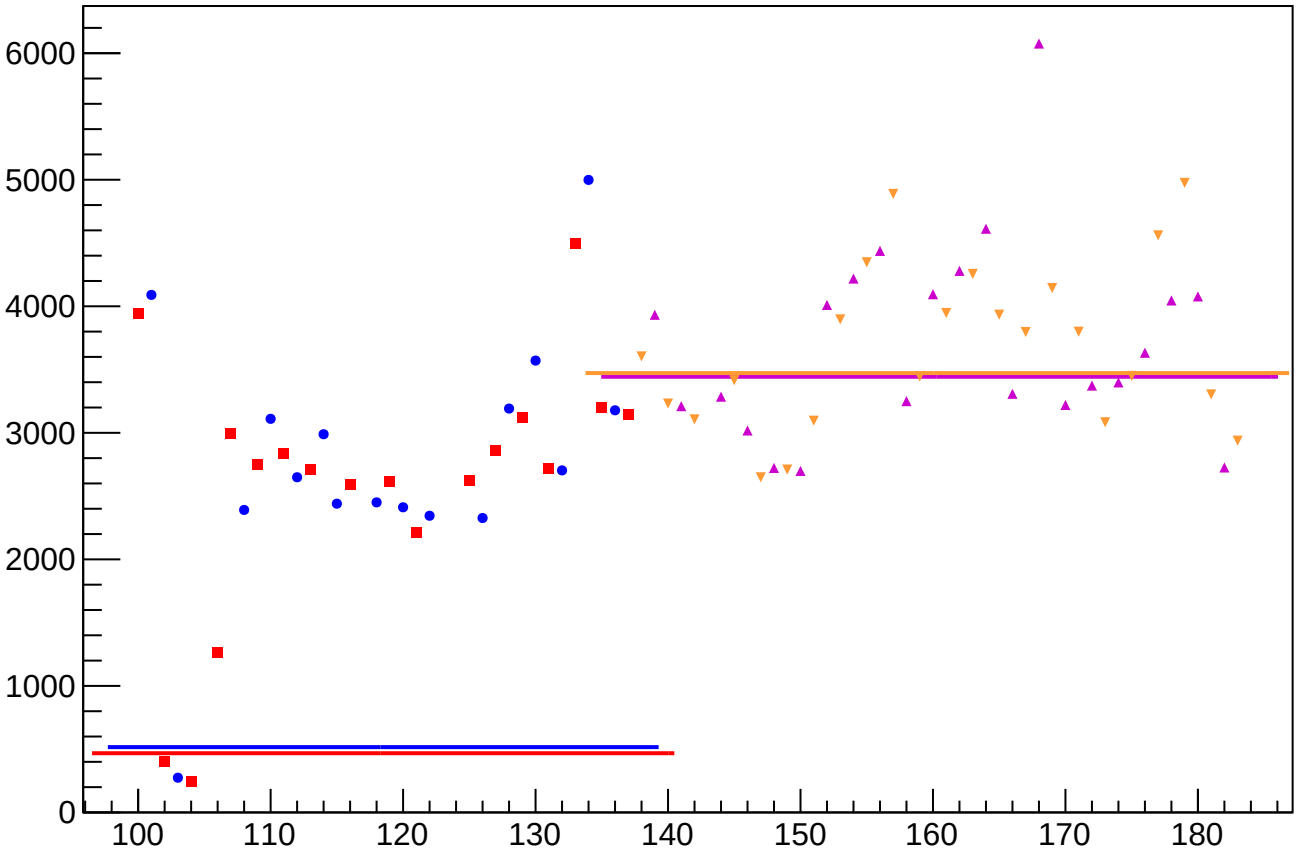
Left: 82.470+/-585.668 χ^2/NDF: 42.0/44

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 21.580+/-318.063 χ^2/NDF:28.2/37

Out: -117.858+/-296.388 χ^2/NDF:42.7/40

All: -53.051+/-216.836 χ^2/NDF: 71.0/78



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3472.310+/-0.586 χ^2/NDF:1041197.7/22

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3443.197+/-0.585 χ^2/NDF:1215462.4/21

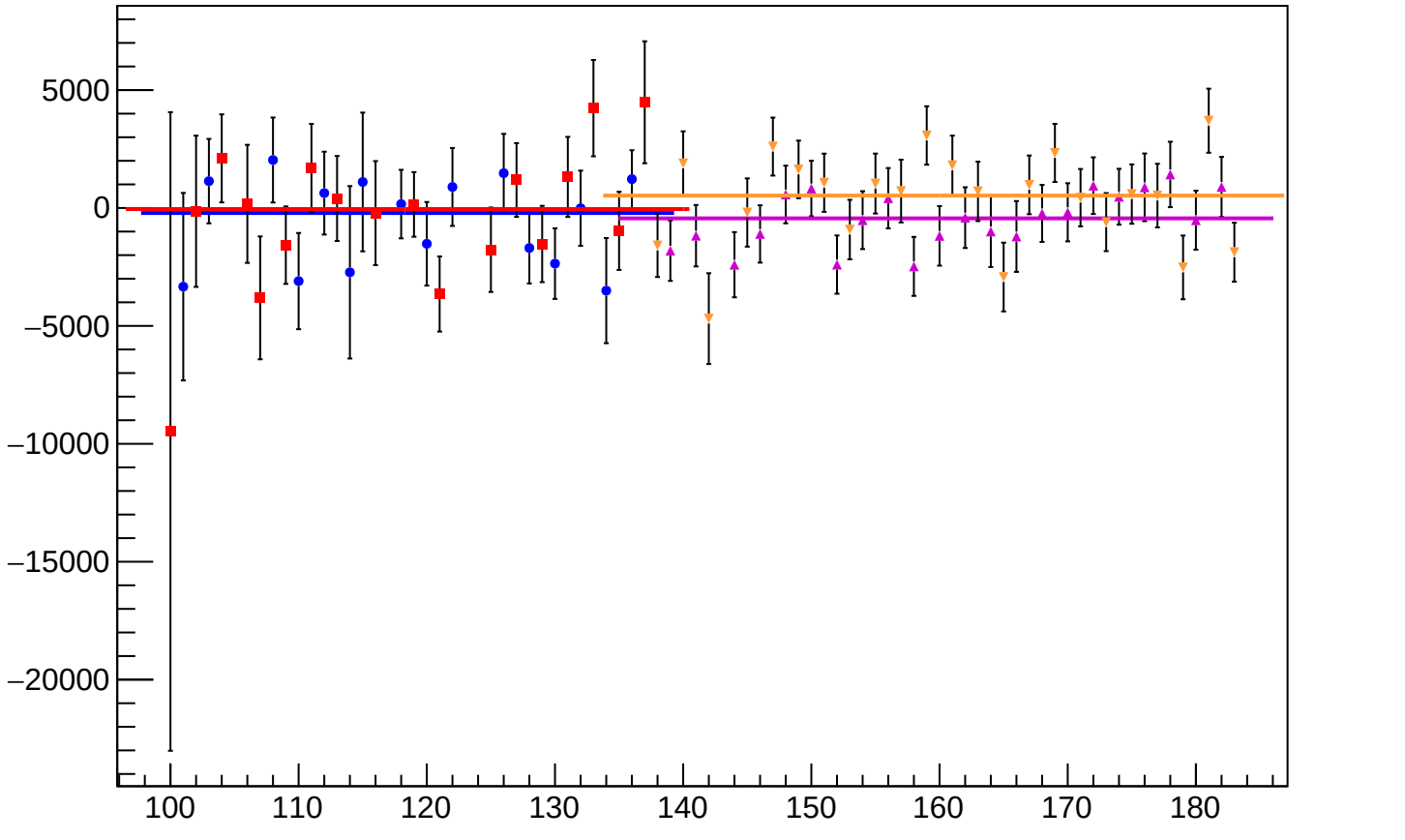
Left: 3457.729+/-0.414 χ^2/NDF: 2257895.5/44

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 948.649+/-0.225 χ^2/NDF:32372376.3/37

Out: 852.110+/-0.210 χ^2/NDF:33062709.0/40

All: 896.978+/-0.153 χ^2/NDF: 65533700.5/78



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 526.162+/-271.375 χ^2/NDF:44.7/22

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -439.623+/-272.298 χ^2/NDF:17.7/21

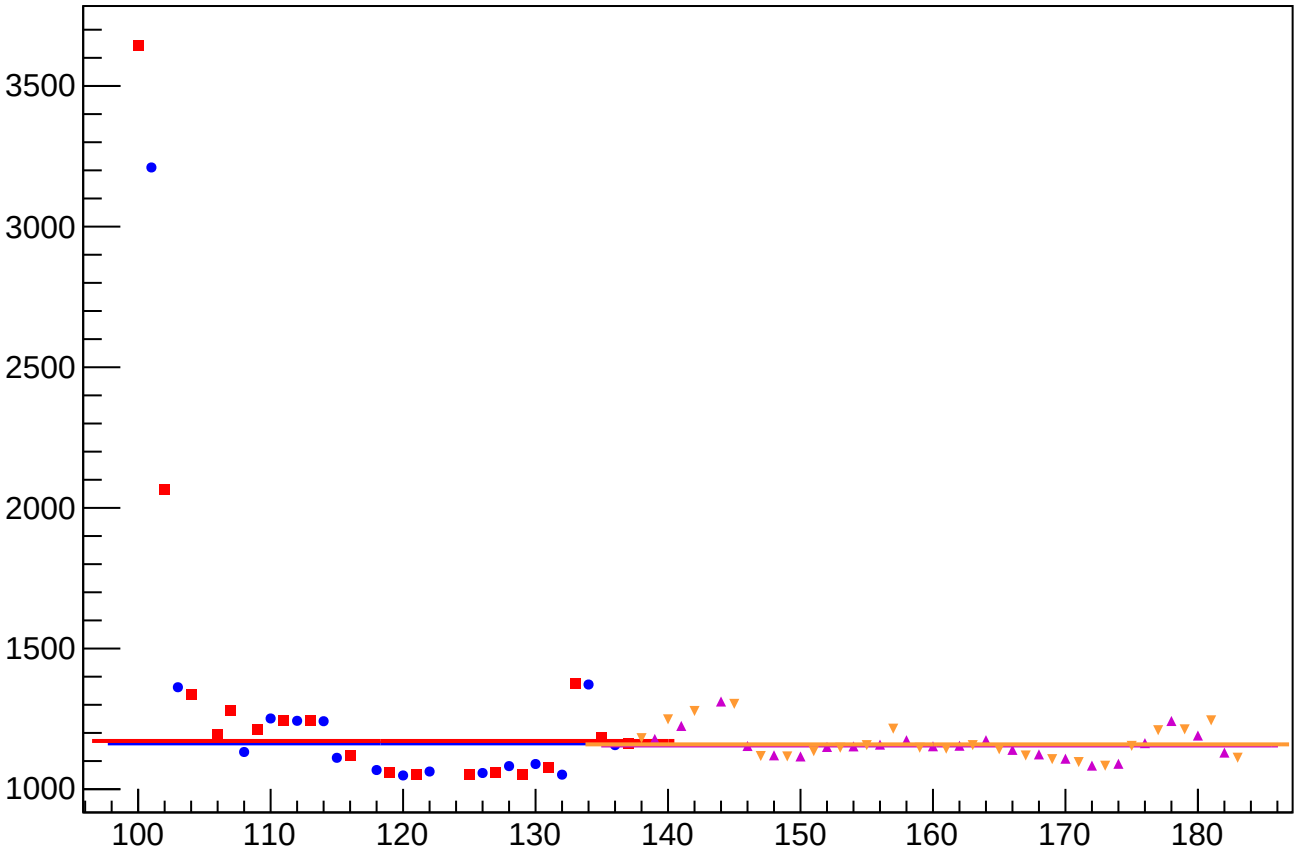
Left: 44.909+/-192.217 χ^2/NDF: 68.8/44

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -377.437+/-231.934 χ^2/NDF:32.3/37

Out: 372.308+/-232.003 χ^2/NDF:67.6/40

All: -2.676+/-164.026 χ^2/NDF: 105.0/78



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1159.333+/-0.192 χ^2/NDF:81831.6/22

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1155.373+/-0.193 χ^2/NDF:64537.3/21

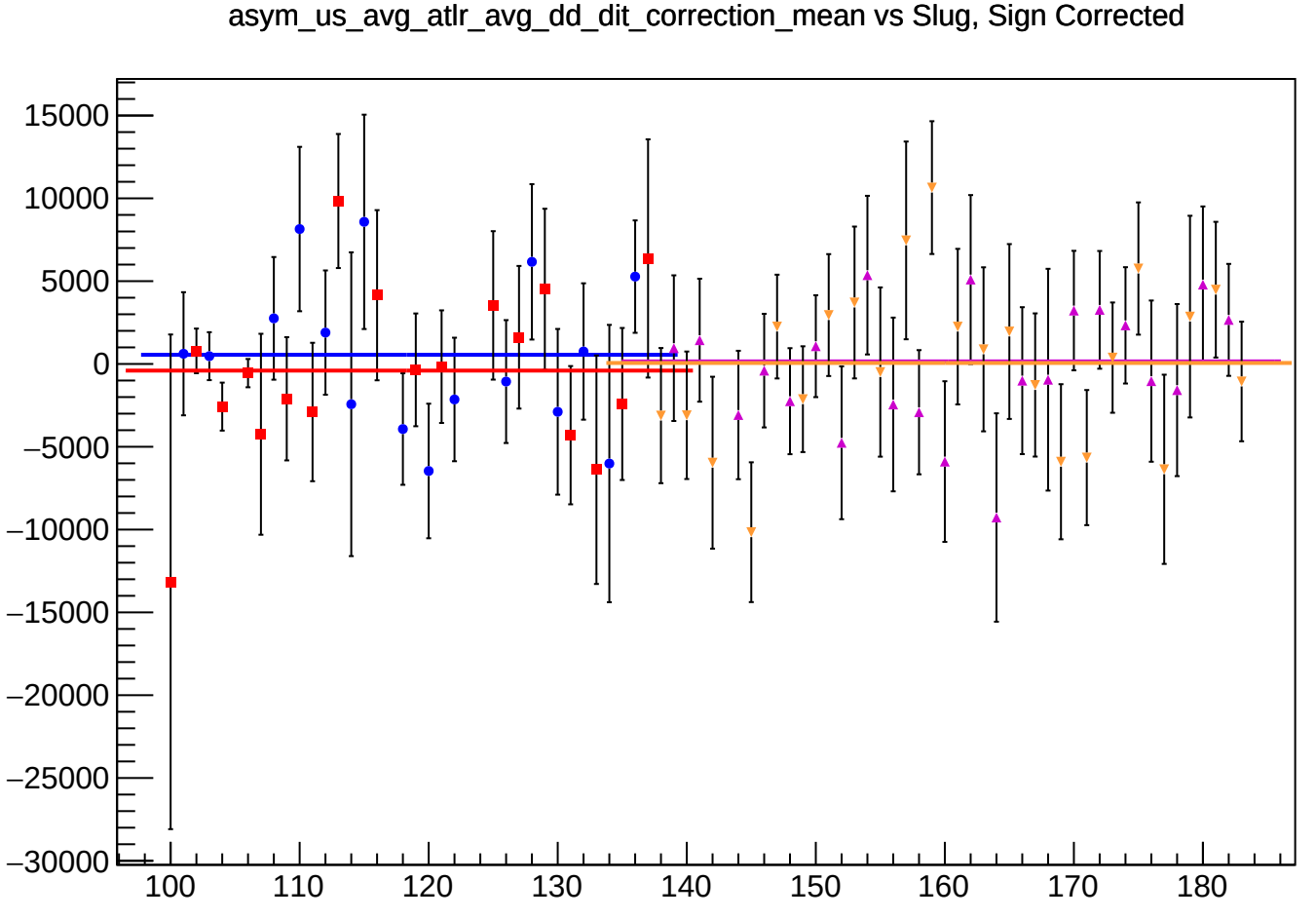
Left: 1157.360+/-0.136 χ^2/NDF: 146581.0/44

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1157.426+/-0.164 χ^2/NDF:700304.8/37

Out: 1162.588+/-0.164 χ^2/NDF:414540.9/40

All: 1160.007+/-0.116 χ^2/NDF: 1115341.1/78



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 59.235+/-877.482 χ^2/NDF:28.1/22

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 155.025+/-875.301 χ^2/NDF:13.2/21

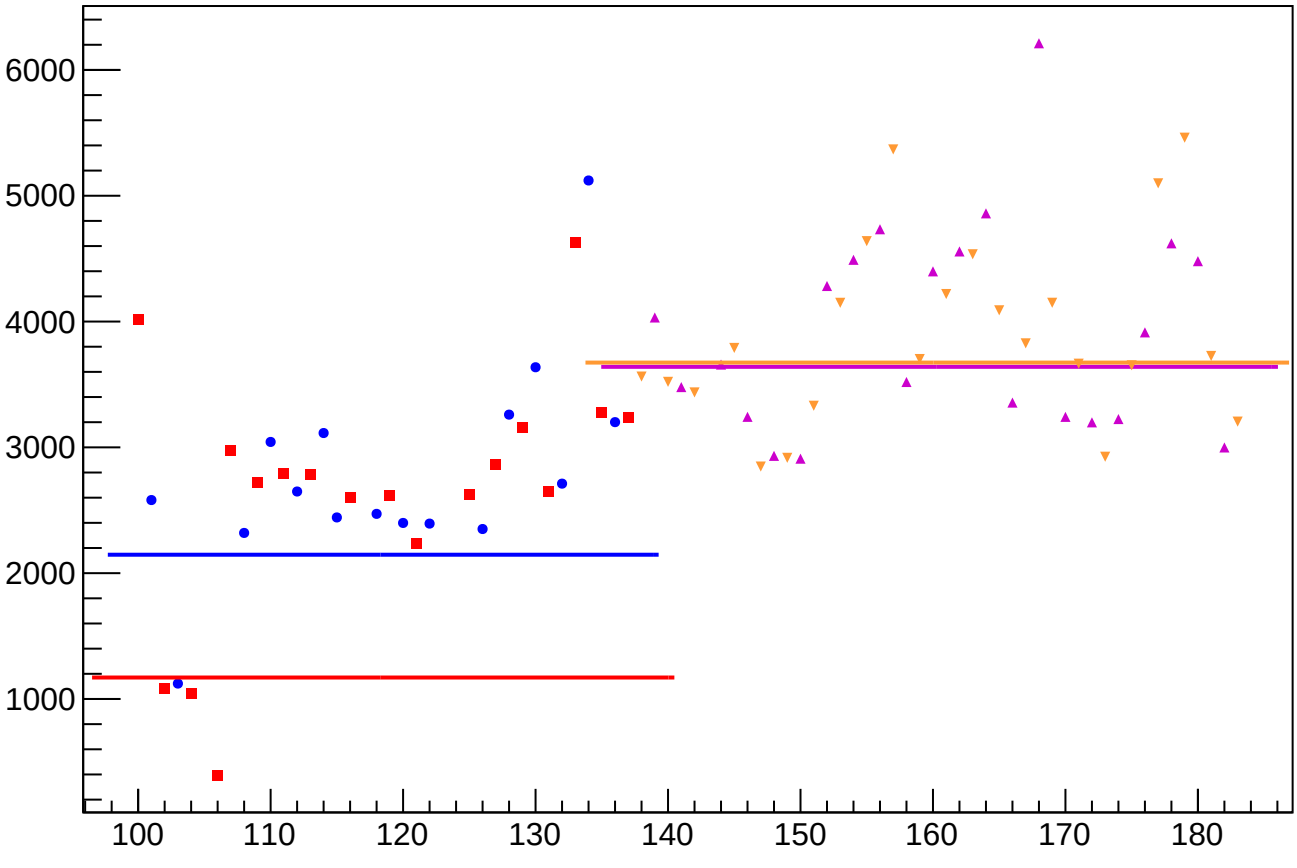
Left: 107.249+/-619.701 χ^2/NDF: 41.2/44

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 354.037+/-618.516 χ^2/NDF:27.7/37

Out: -265.418+/-475.560 χ^2/NDF:44.9/40

All: -35.272+/-377.006 χ^2/NDF: 73.2/78



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3673.880+/-0.620 χ^2/NDF:1088160.3/22

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3640.129+/-0.619 χ^2/NDF:1235943.8/21

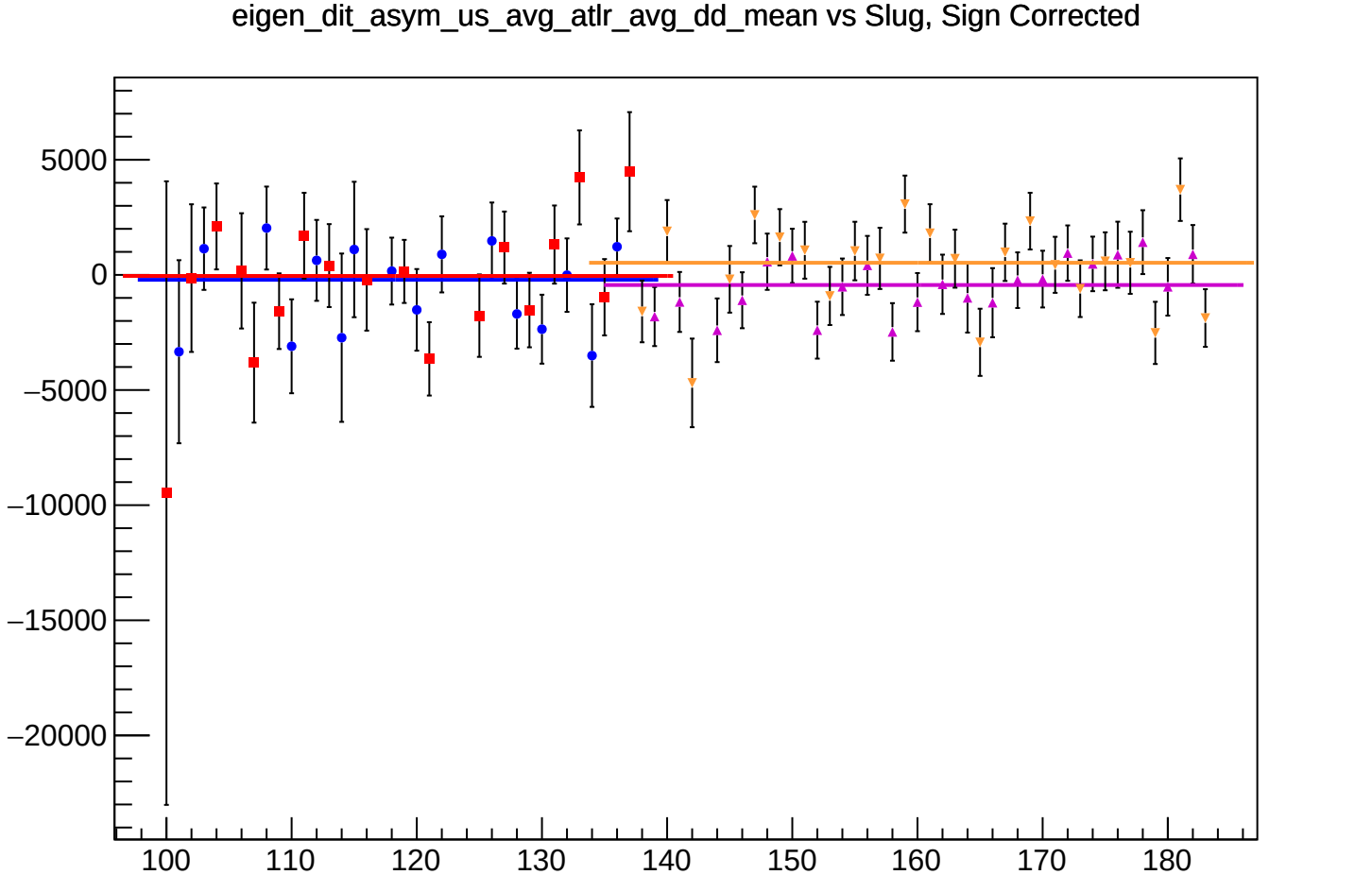
Left: 3656.962+/-0.438 χ^2/NDF: 2325587.2/44

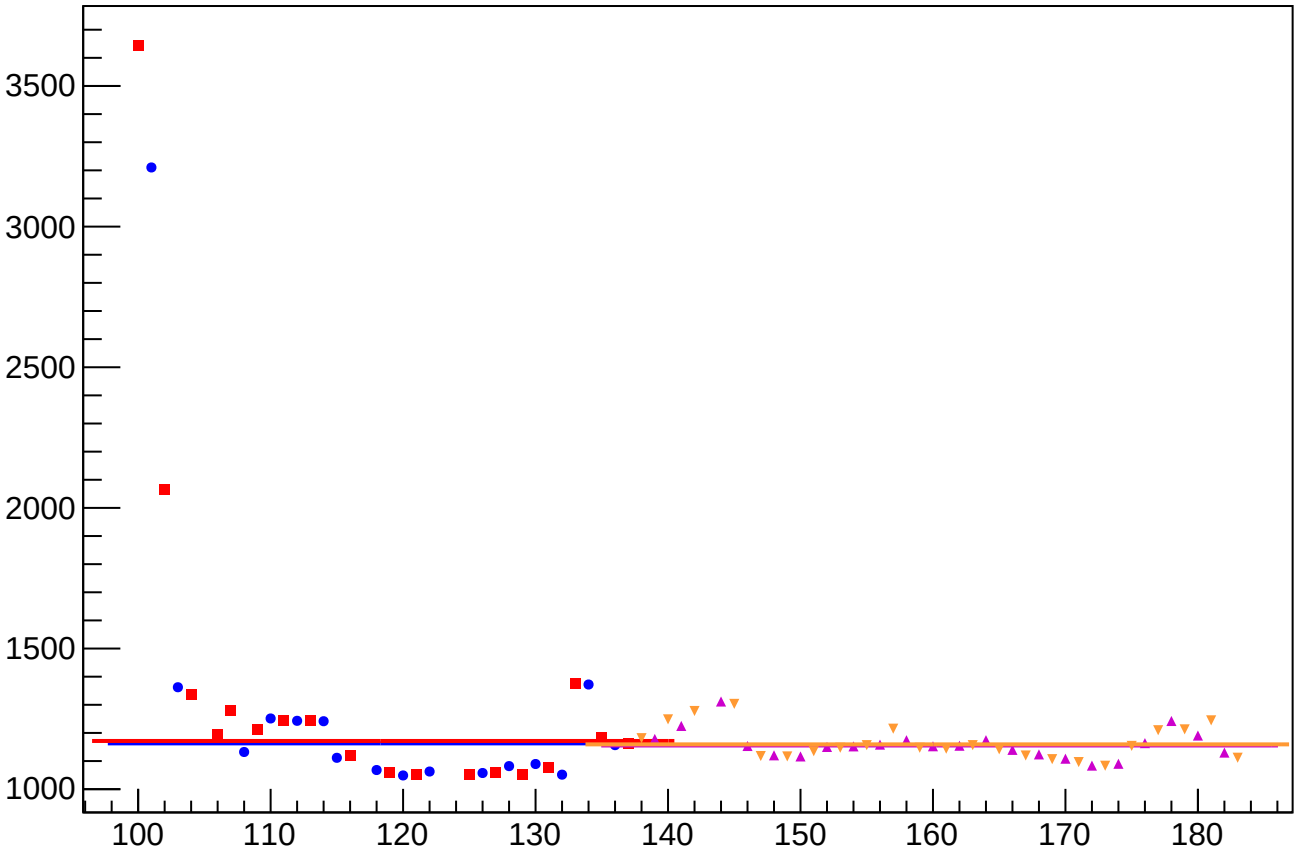
Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2892.371+/-0.437 χ^2/NDF:6125980.4/37

Out: 1905.847+/-0.336 χ^2/NDF:18401940.1/40

All: 2272.370+/-0.267 χ^2/NDF: 27725552.6/7


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -213.082+/-442.684 χ²/NDF: 14.3/15
Left Out: 526.164+/-271.375 χ²/NDF:44.7/22
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -439.622+/-272.298 χ²/NDF:17.7/21
Left: 44.911+/-192.217 χ²/NDF: 68.8/44
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -377.437+/-231.934 χ²/NDF:32.3/37
Out: 372.308+/-232.003 χ²/NDF:67.6/40
All: -2.676+/-164.026 χ²/NDF: 105.0/78



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1159.334+/-0.192 χ^2/NDF:81834.1/22

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1155.374+/-0.193 χ^2/NDF:64539.8/21

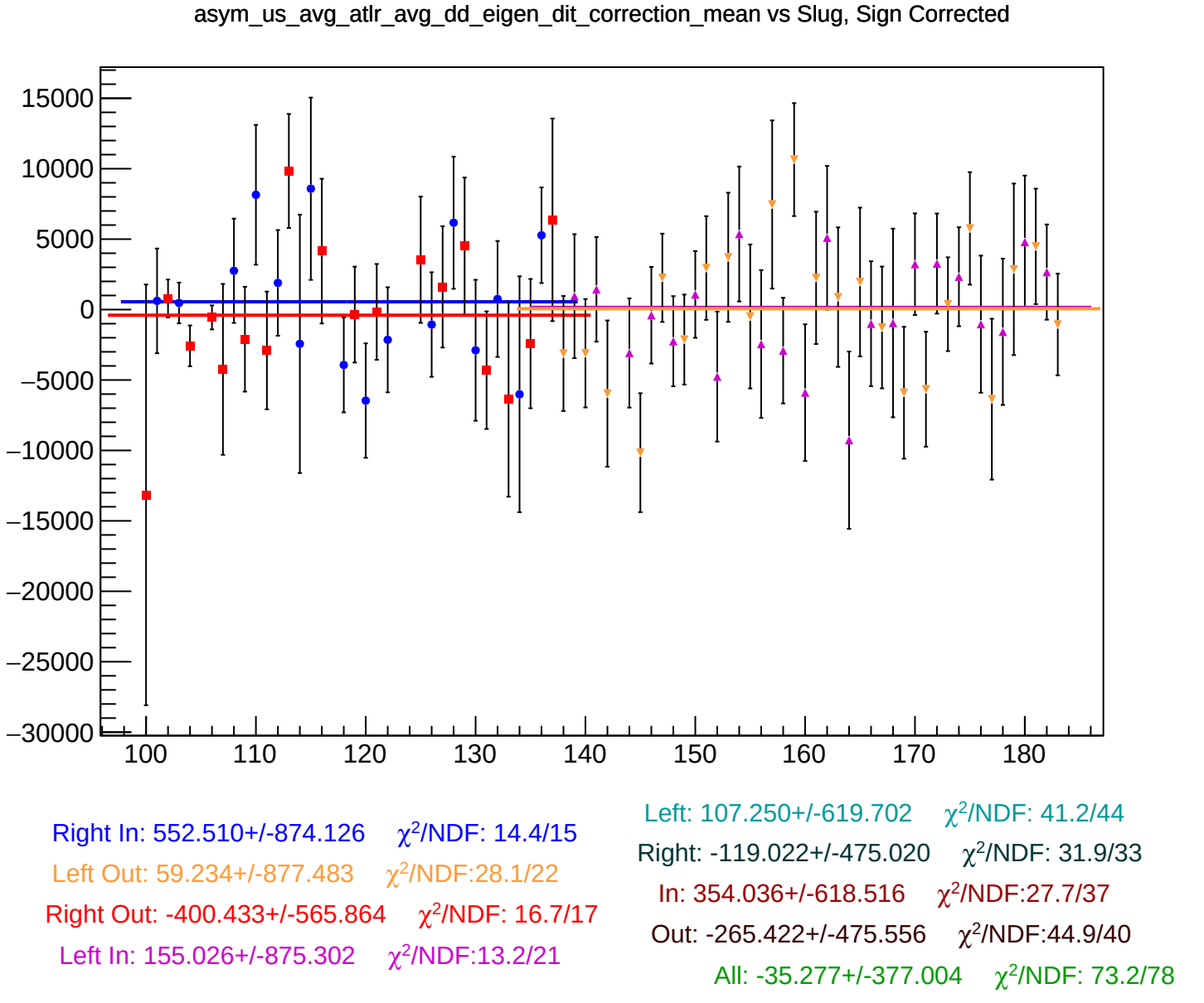
Left: 1157.361+/-0.136 χ^2/NDF: 146586.1/44

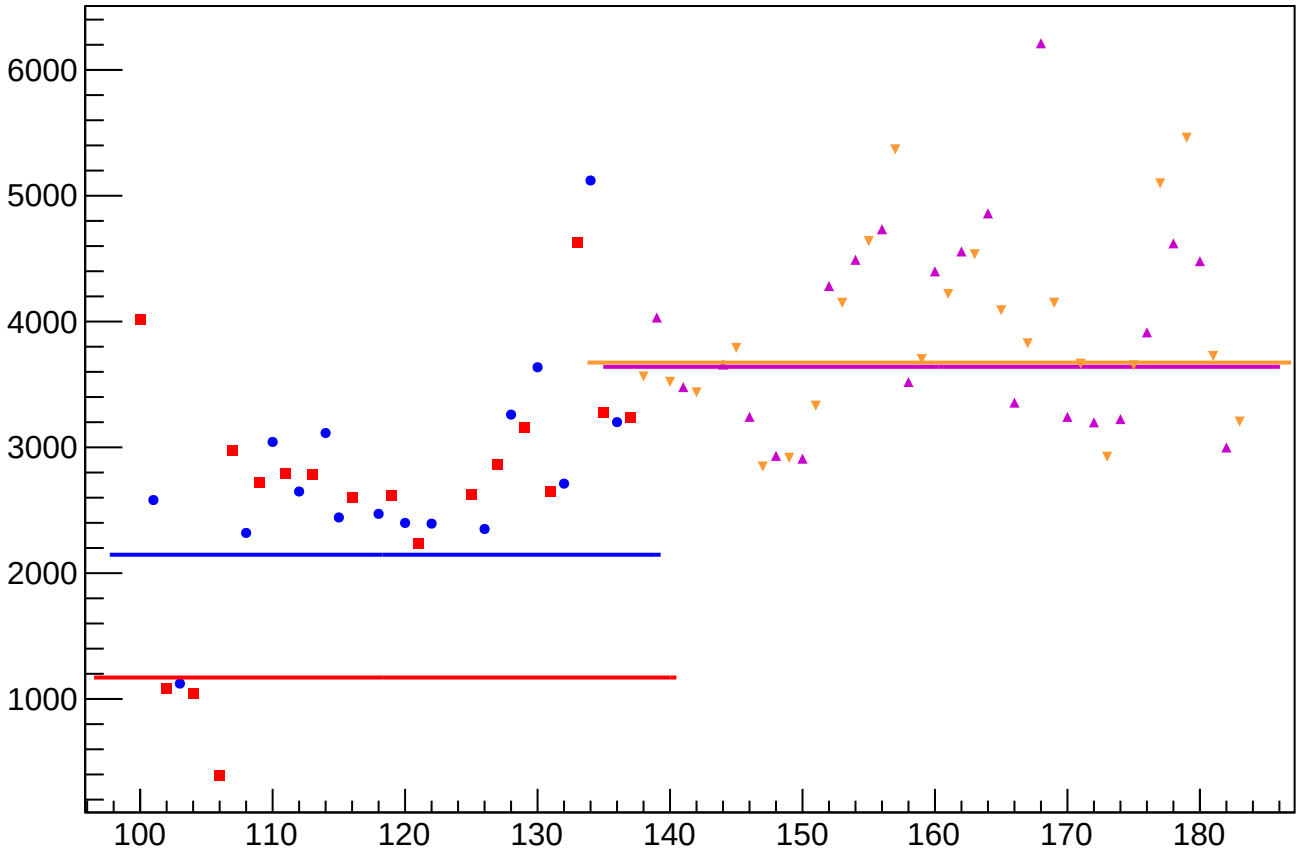
Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1157.427+/-0.164 χ^2/NDF:700307.3/37

Out: 1162.589+/-0.164 χ^2/NDF:414543.0/40

All: 1160.007+/-0.116 χ^2/NDF: 1115345.6/78


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: 59.234+/-877.483 χ²/NDF:28.1/22
Right Out: -400.433+/-565.864 χ²/NDF: 16.7/17
Left In: 155.026+/-875.302 χ²/NDF:13.2/21
Left: 107.250+/-619.702 χ²/NDF: 41.2/44
Right: -119.022+/-475.020 χ²/NDF: 31.9/33
In: 354.036+/-618.516 χ²/NDF:27.7/37
Out: -265.422+/-475.556 χ²/NDF:44.9/40
All: -35.277+/-377.004 χ²/NDF: 73.2/78



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3673.885+/-0.620 χ^2/NDF:1088163.3/22

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3640.134+/-0.619 χ^2/NDF:1235948.5/21

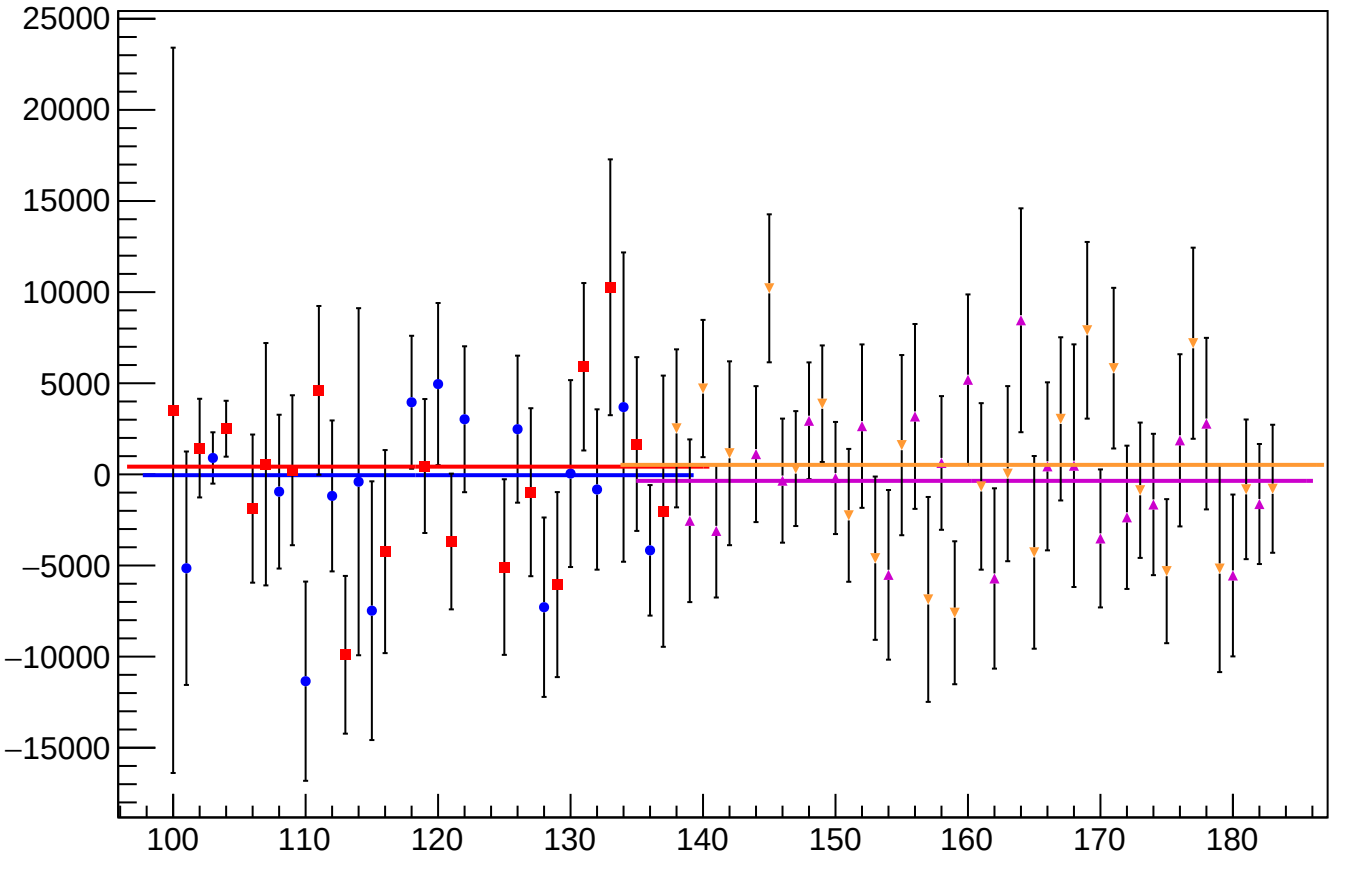
Left: 3656.968+/-0.438 χ^2/NDF: 2325594.9/44

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2892.370+/-0.437 χ^2/NDF:6126012.5/37

Out: 1905.818+/-0.336 χ^2/NDF:18402387.8/40

All: 2272.348+/-0.267 χ^2/NDF: 27726229.8/7



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 521.879+/-874.167 χ^2/NDF:26.4/22

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -355.761+/-873.108 χ^2/NDF:12.2/21

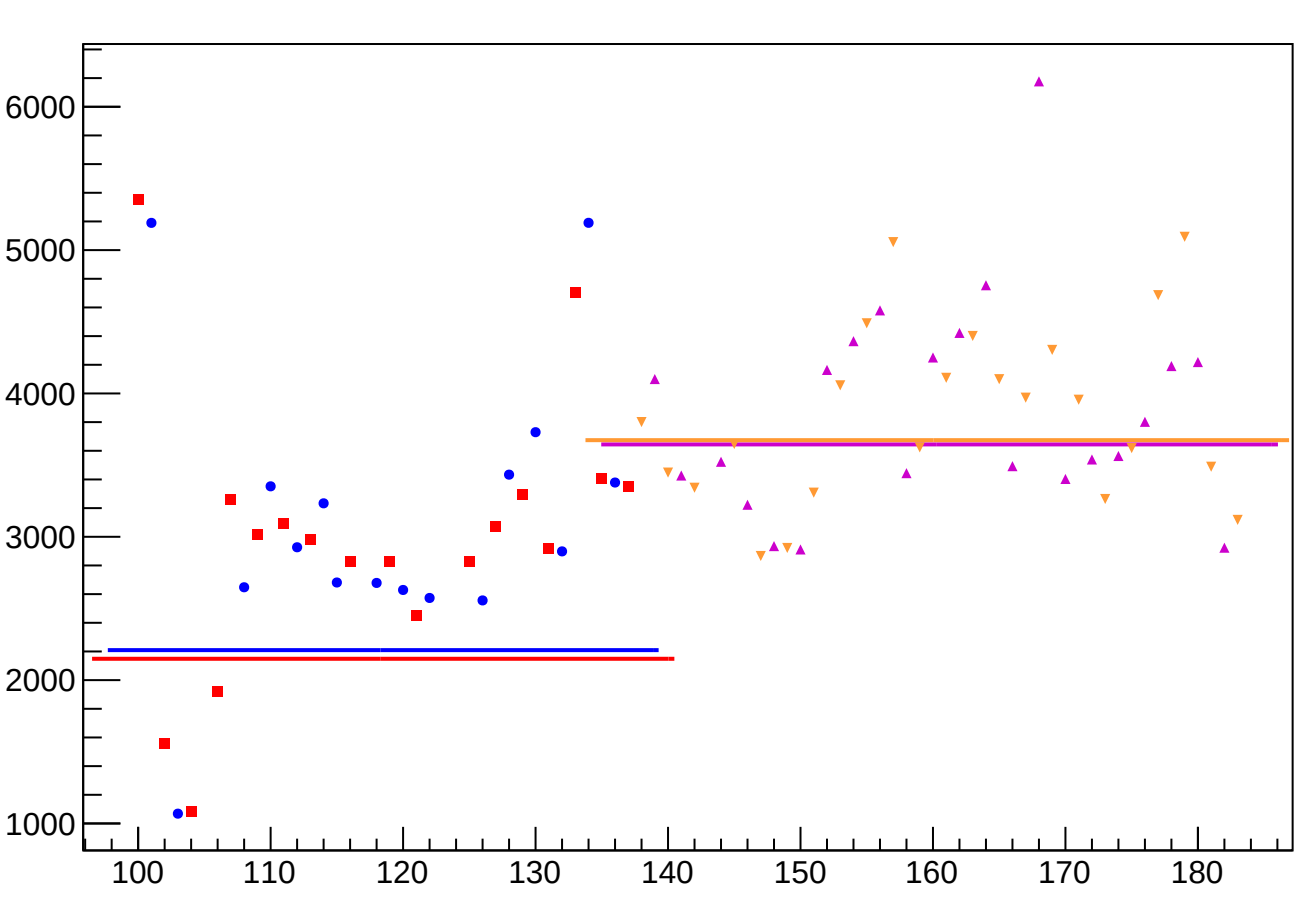
Left: 82.527+/-617.755 χ^2/NDF: 39.1/44

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -208.566+/-633.549 χ^2/NDF:26.0/37

Out: 473.931+/-625.956 χ^2/NDF:43.7/40

All: 136.797+/-445.278 χ^2/NDF: 70.3/78



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3674.124+/-0.618 χ^2/NDF:876371.3/22

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3644.475+/-0.617 χ^2/NDF:1029697.1/21

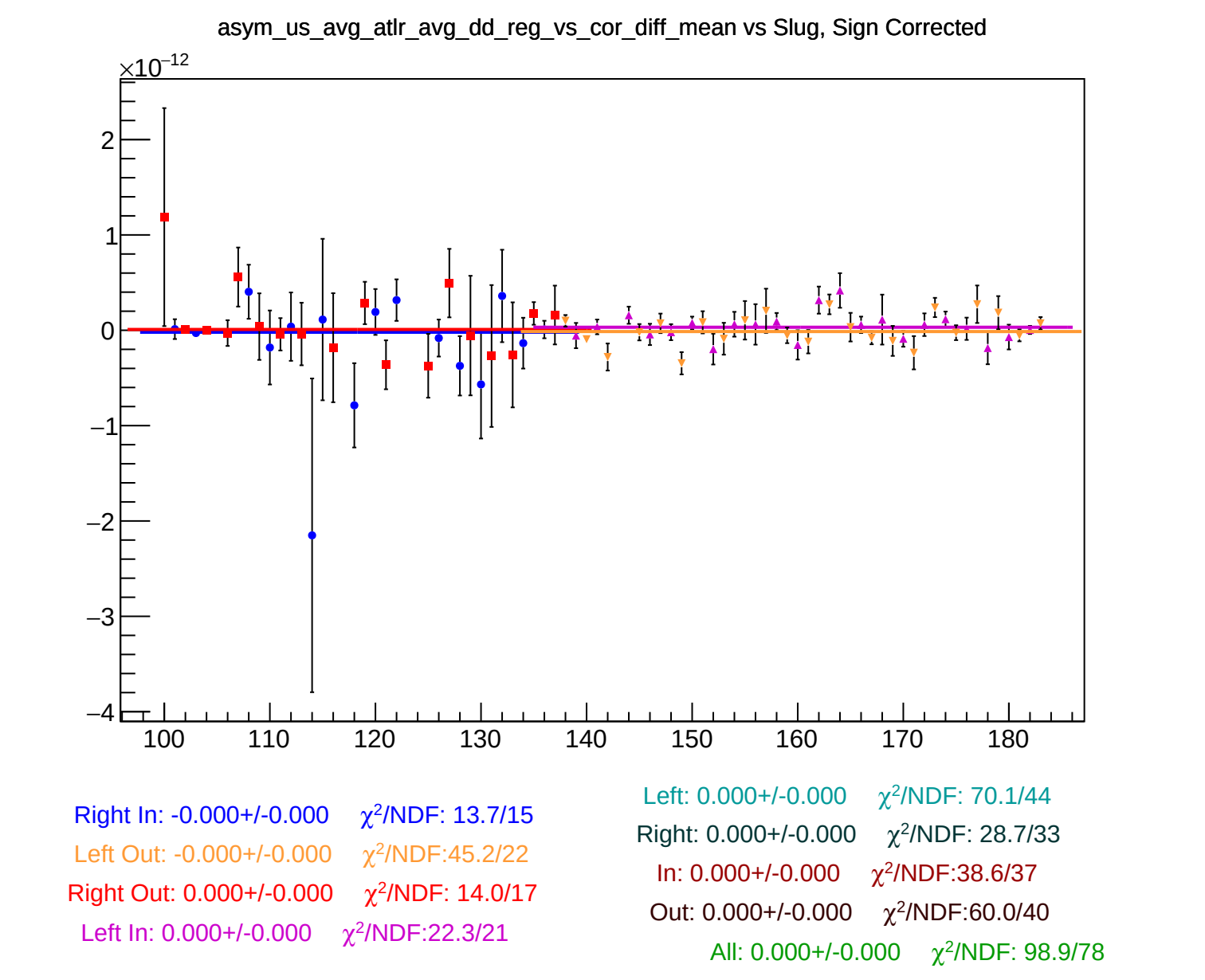
Left: 3659.282+/-0.437 χ^2/NDF: 1907220.1/44

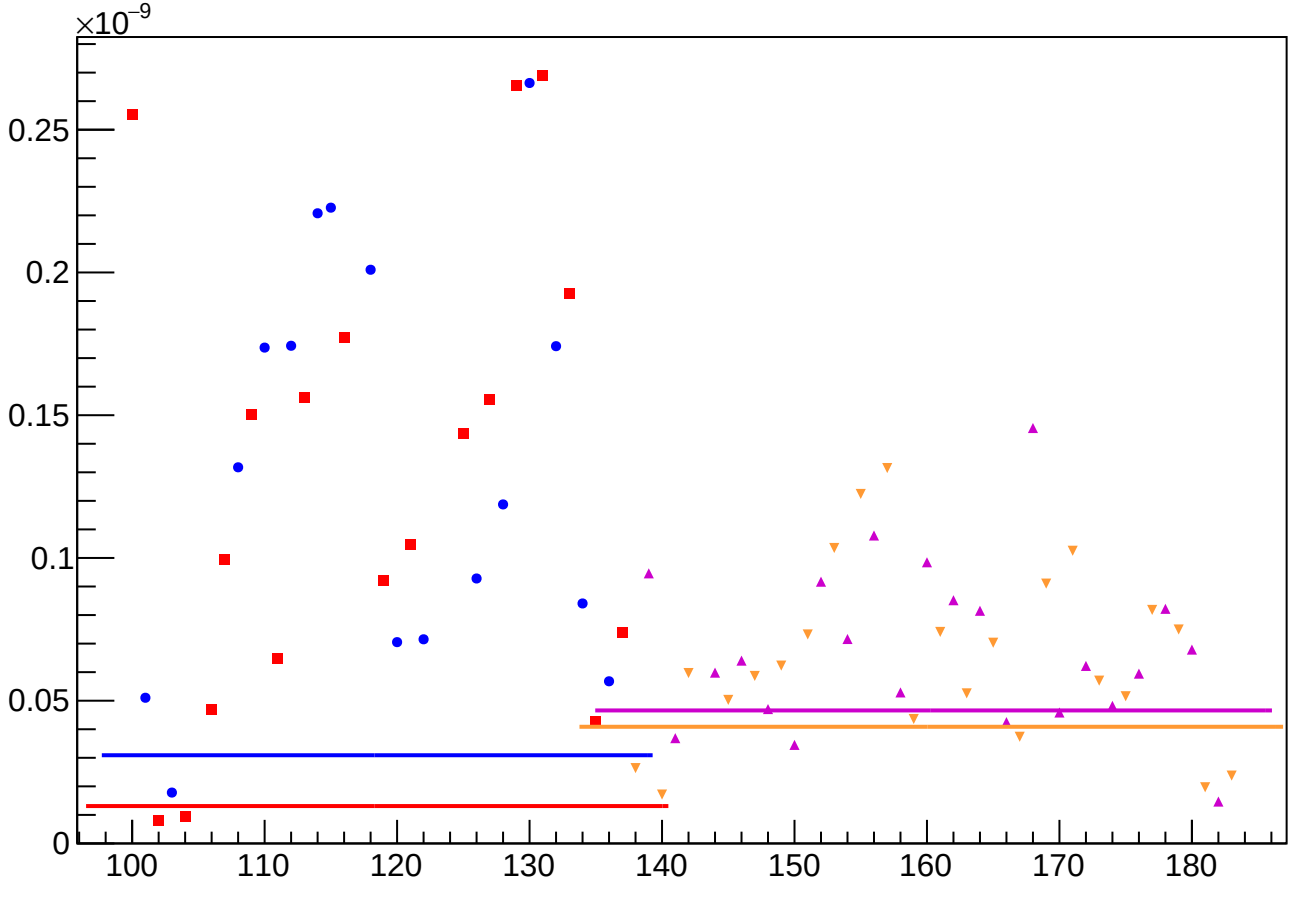
Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2964.987+/-0.448 χ^2/NDF:6424958.9/37

Out: 2929.145+/-0.442 χ^2/NDF:6119789.2/40

All: 2946.829+/-0.315 χ^2/NDF: 12547991.0/7


asym_us_avg_atlr_avg_dd_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: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:45.2/22
Right Out: 0.000+/-0.000 χ²/NDF: 14.0/17
Left In: 0.000+/-0.000 χ²/NDF:22.3/21
Left: 0.000+/-0.000 χ²/NDF: 70.1/44
Right: 0.000+/-0.000 χ²/NDF: 28.7/33
In: 0.000+/-0.000 χ²/NDF:38.6/37
Out: 0.000+/-0.000 χ²/NDF:60.0/40
All: 0.000+/-0.000 χ²/NDF: 98.9/78



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:3375149.9/22

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: 6382255.1/44

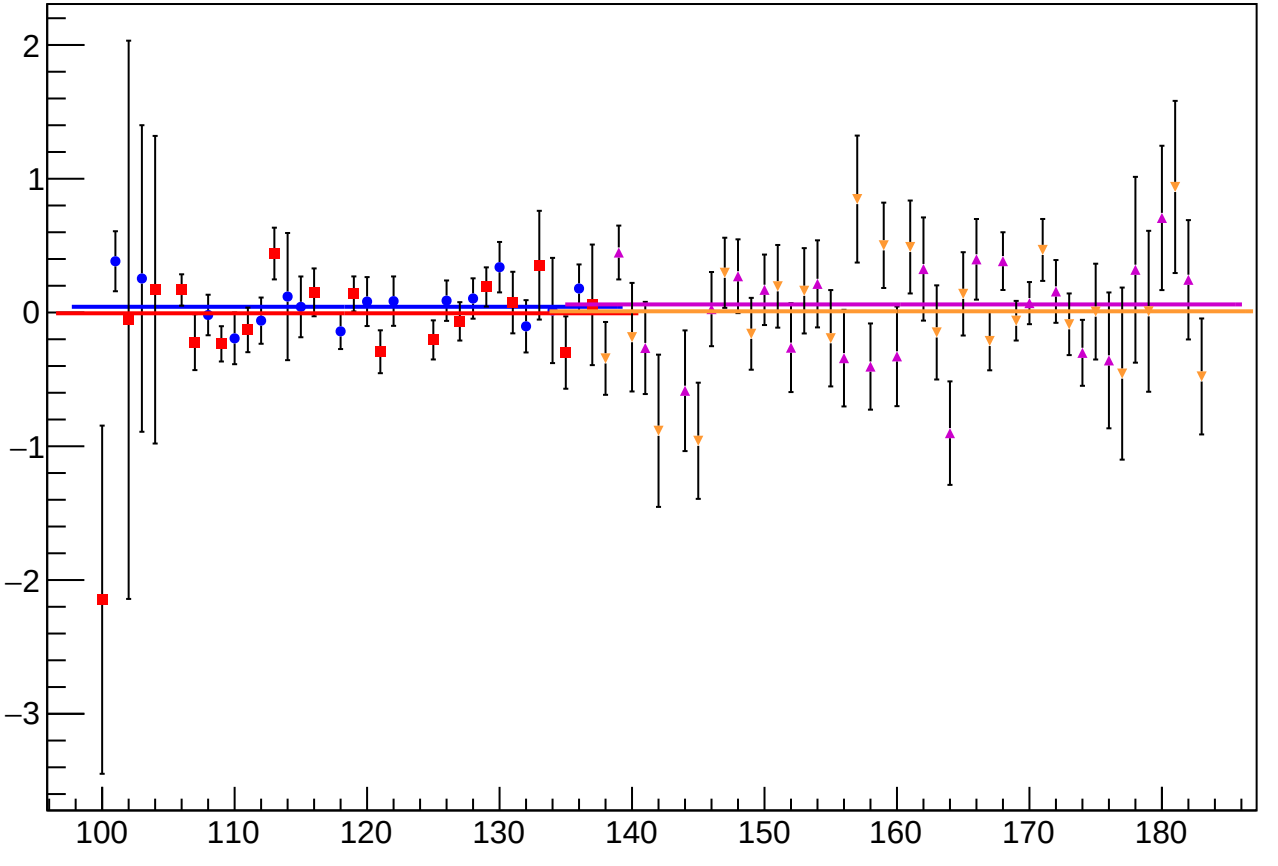
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:6382467.6/37

Out: 0.000+/-0.000 χ^2/NDF:9716636.8/40

All: 0.000+/-0.000 χ^2/NDF: 17521075.9/78

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.009+/-0.063 χ^2/NDF:28.9/22

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.060+/-0.062 χ^2/NDF:27.9/21

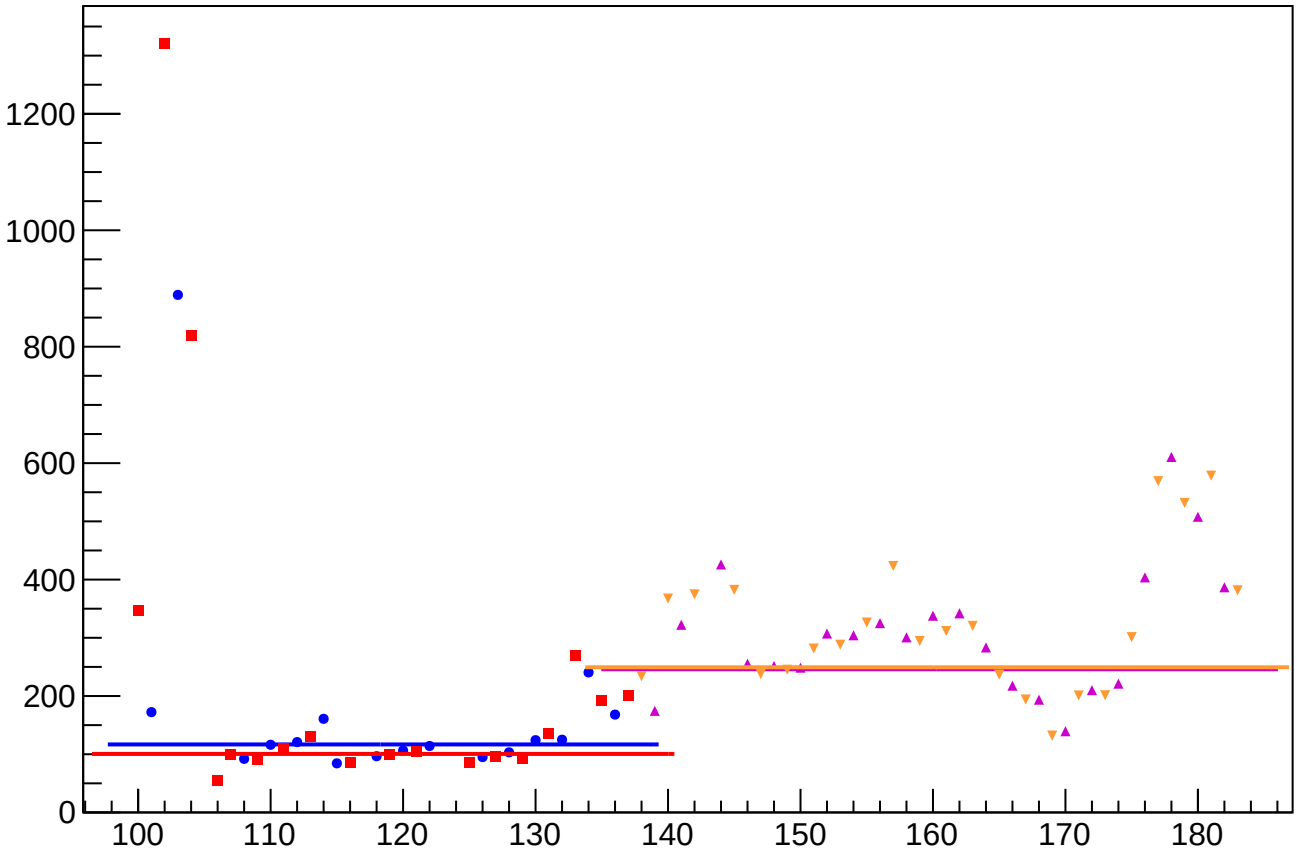
Left: 0.035+/-0.044 χ^2/NDF: 57.1/44

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.049+/-0.038 χ^2/NDF:38.2/37

Out: -0.001+/-0.036 χ^2/NDF:54.9/40

All: 0.023+/-0.026 χ^2/NDF: 94.1/78



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 249.381+/-0.045 χ^2/NDF:4306046.7/22

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: 247.648+/-0.031 χ^2/NDF: 8063703.1/44

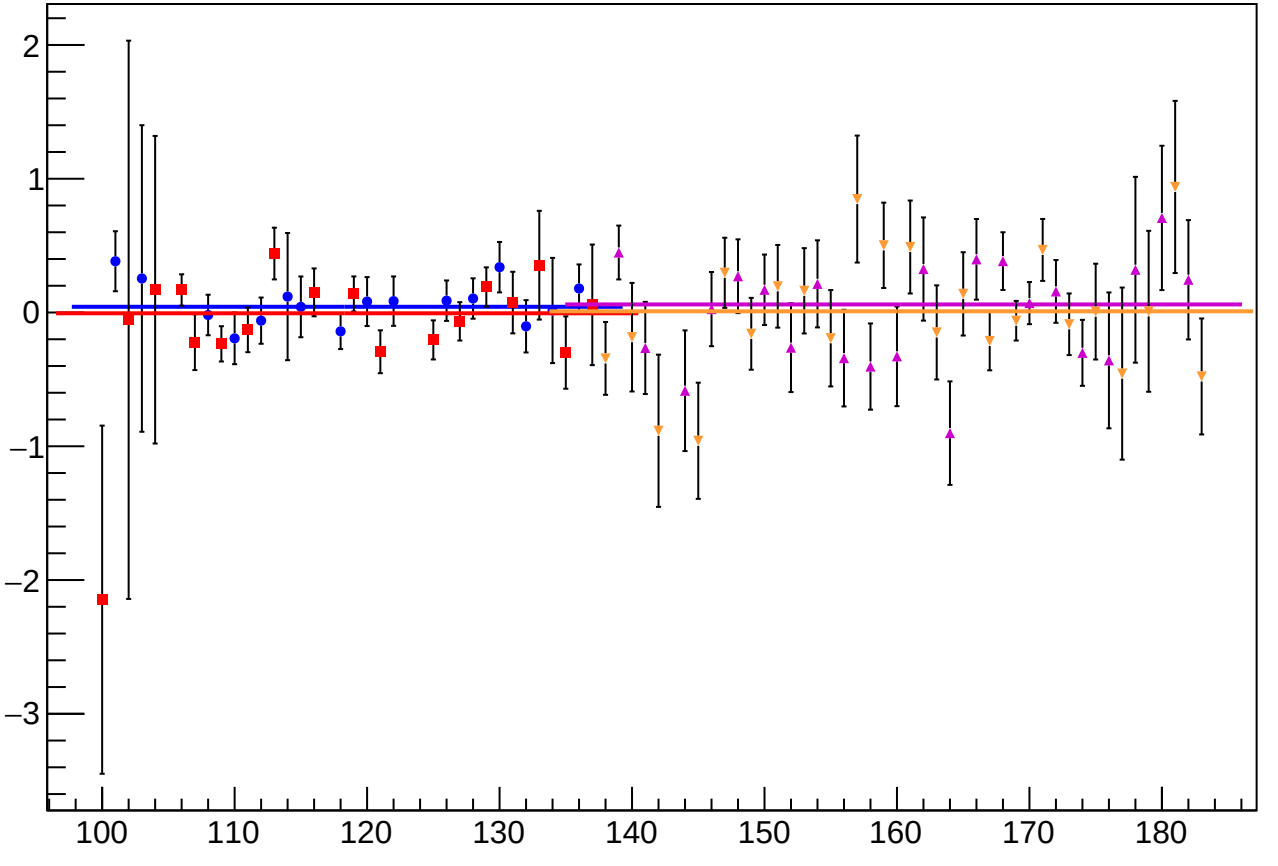
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 164.169+/-0.027 χ^2/NDF:10800359.2/37

Out: 148.148+/-0.025 χ^2/NDF:14500085.0/40

All: 155.723+/-0.018 χ^2/NDF: 25490061.9/78

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: 0.009+/-0.063 χ^2/NDF:28.9/22

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: 0.035+/-0.044 χ^2/NDF: 57.1/44

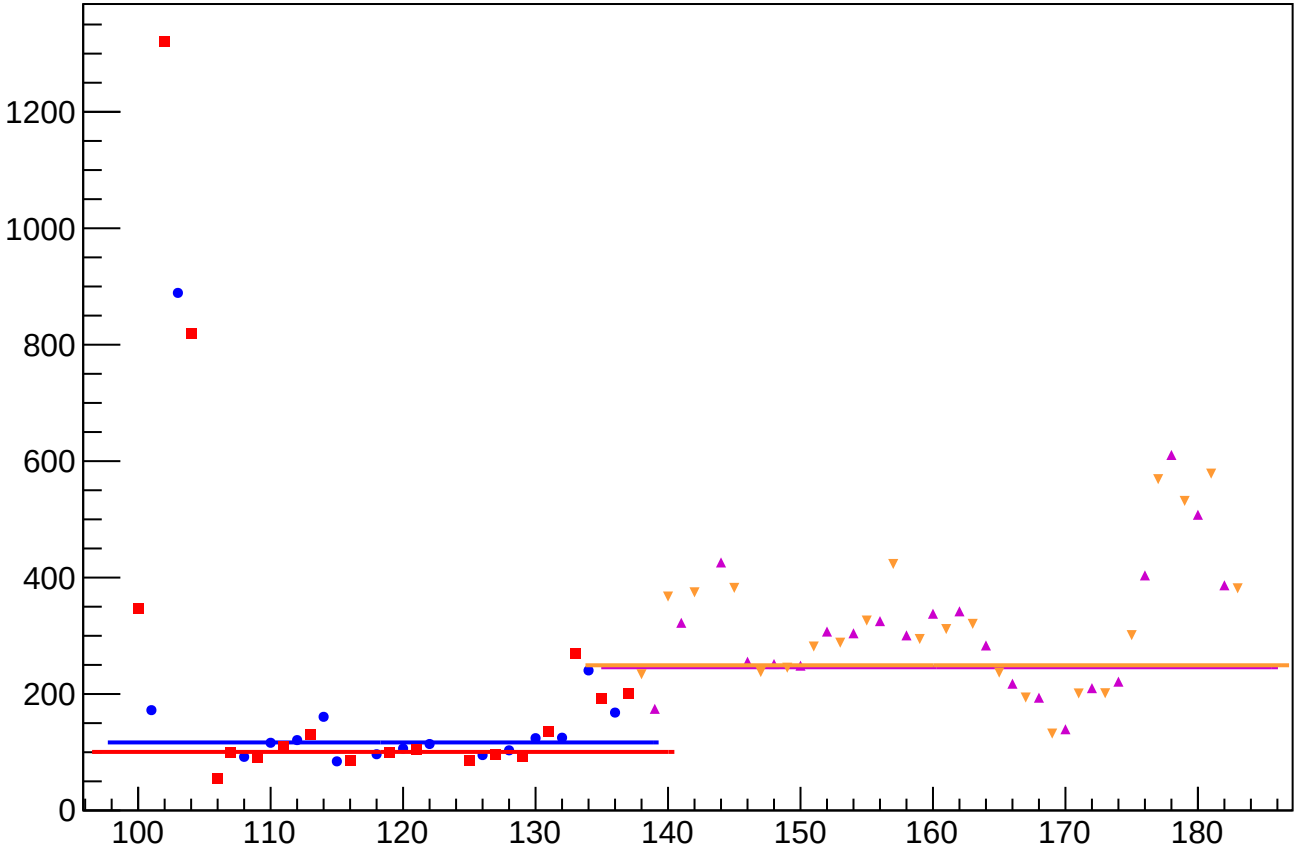
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.049+/-0.038 χ^2/NDF:38.2/37

Out: -0.001+/-0.036 χ^2/NDF:54.9/40

All: 0.023+/-0.026 χ^2/NDF: 94.1/78

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 249.381+/-0.045 χ^2/NDF:4306046.7/22

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 245.963+/-0.044 χ^2/NDF:3754697.8/21

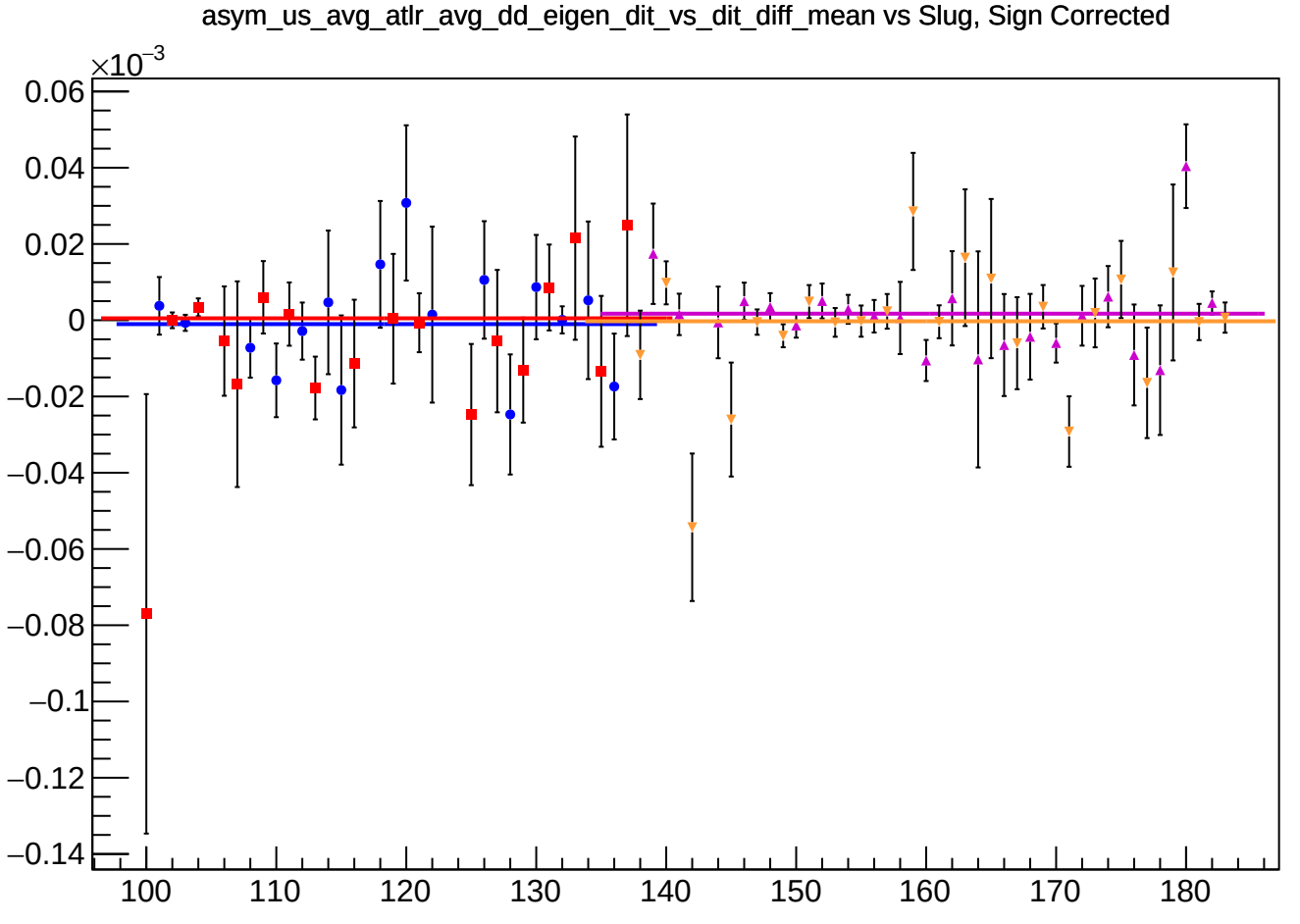
Left: 247.648+/-0.031 χ^2/NDF: 8063703.1/44

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

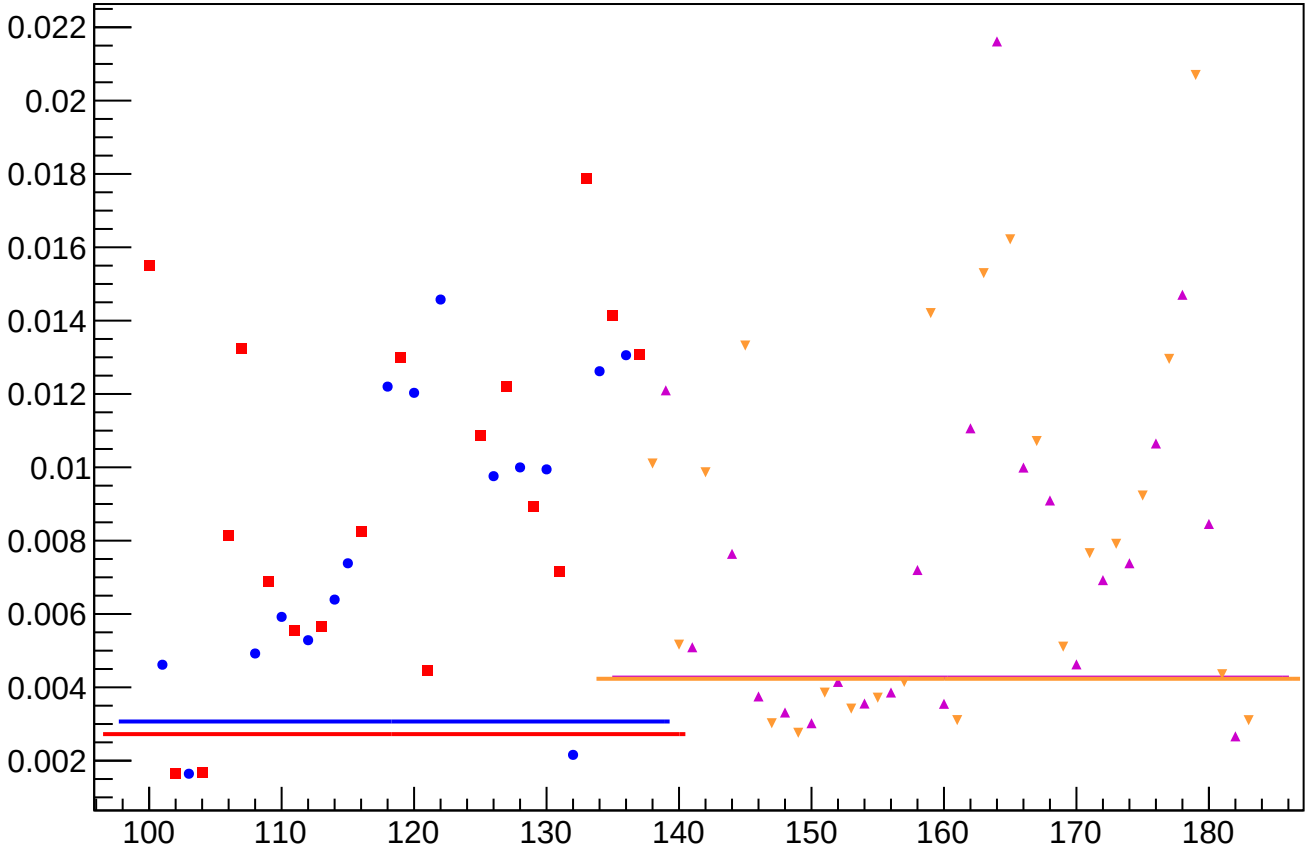
In: 164.169+/-0.027 χ^2/NDF:10800359.2/37

Out: 148.148+/-0.025 χ^2/NDF:14500085.0/40

All: 155.723+/-0.018 χ^2/NDF: 25490061.9/78


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 12.6/15
Left Out: -0.000+/-0.000 χ²/NDF:35.9/22
Right Out: 0.000+/-0.000 χ²/NDF: 15.1/17
Left In: 0.000+/-0.000 χ²/NDF:27.2/21
Left: 0.000+/-0.000 χ²/NDF: 64.4/44
Right: -0.000+/-0.000 χ²/NDF: 28.1/33
In: 0.000+/-0.000 χ²/NDF:41.6/37
Out: 0.000+/-0.000 χ²/NDF:51.1/40
All: 0.000+/-0.000 χ²/NDF: 93.0/78

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:8383376.1/22

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: 14881746.7/44

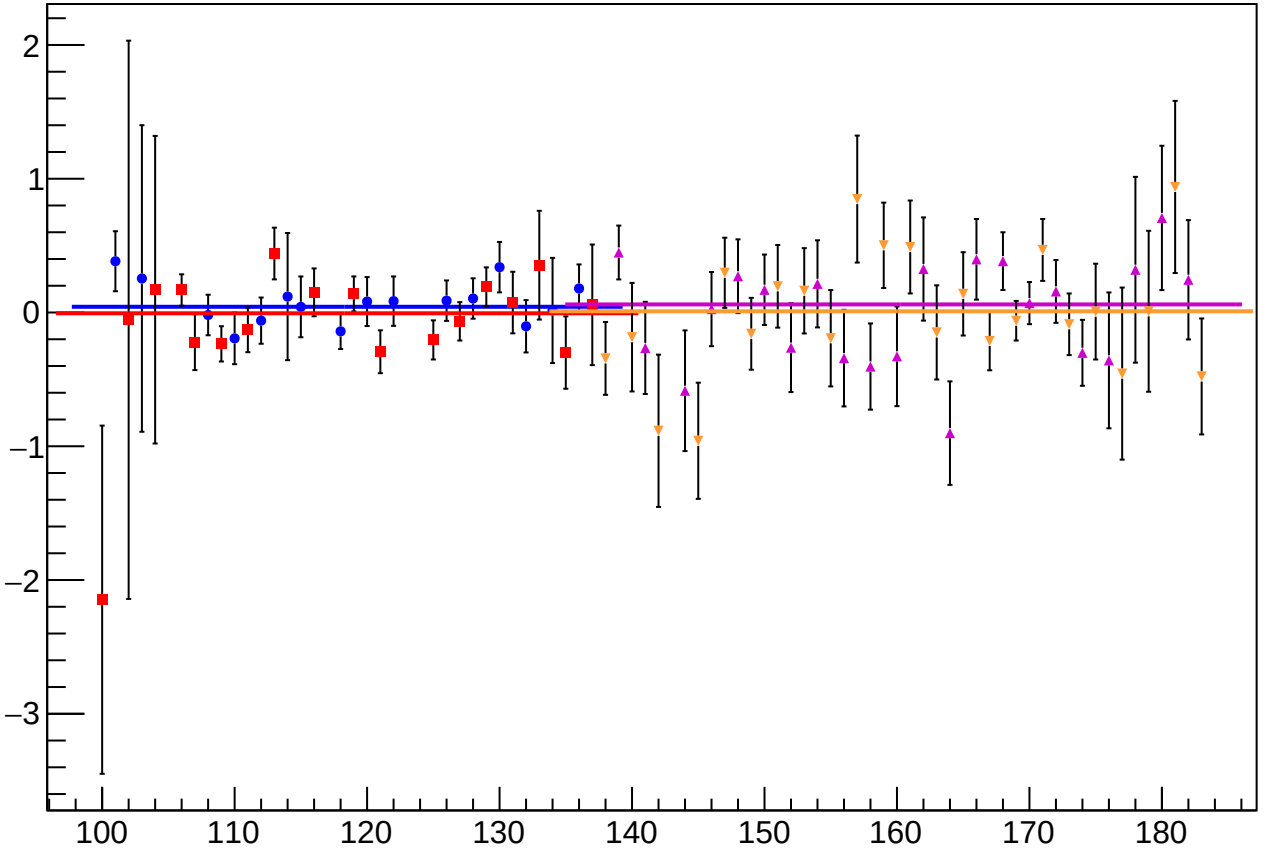
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:13192749.4/37

Out: 0.004+/-0.000 χ^2/NDF:16467129.3/40

All: 0.004+/-0.000 χ^2/NDF: 29717519.3/78

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: 0.009+/-0.063 χ^2/NDF:28.9/22

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: 0.035+/-0.044 χ^2/NDF: 57.1/44

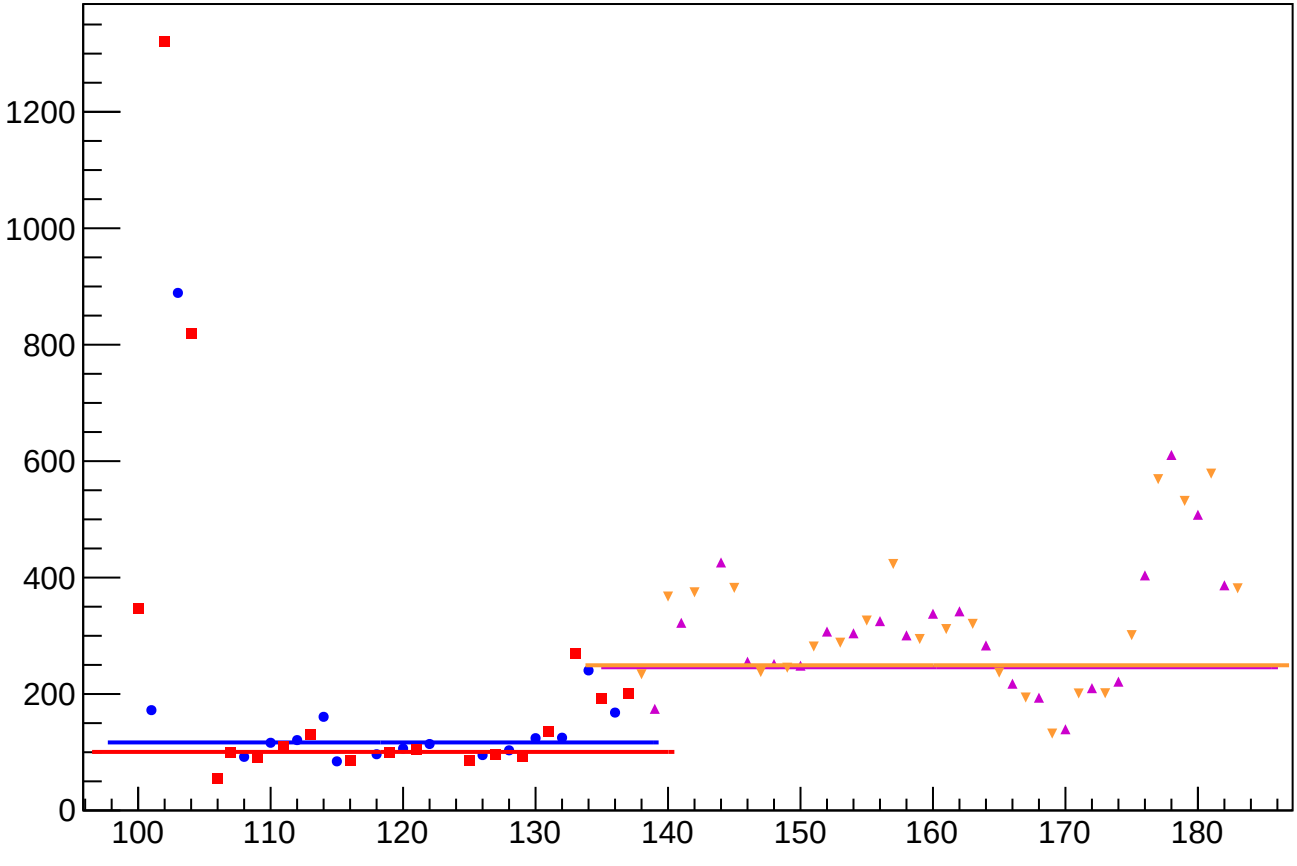
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.049+/-0.038 χ^2/NDF:38.2/37

Out: -0.001+/-0.036 χ^2/NDF:54.9/40

All: 0.023+/-0.026 χ^2/NDF: 94.1/78

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 249.381+/-0.045 χ^2/NDF:4306204.0/22

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: 247.649+/-0.031 χ^2/NDF: 8063917.6/44

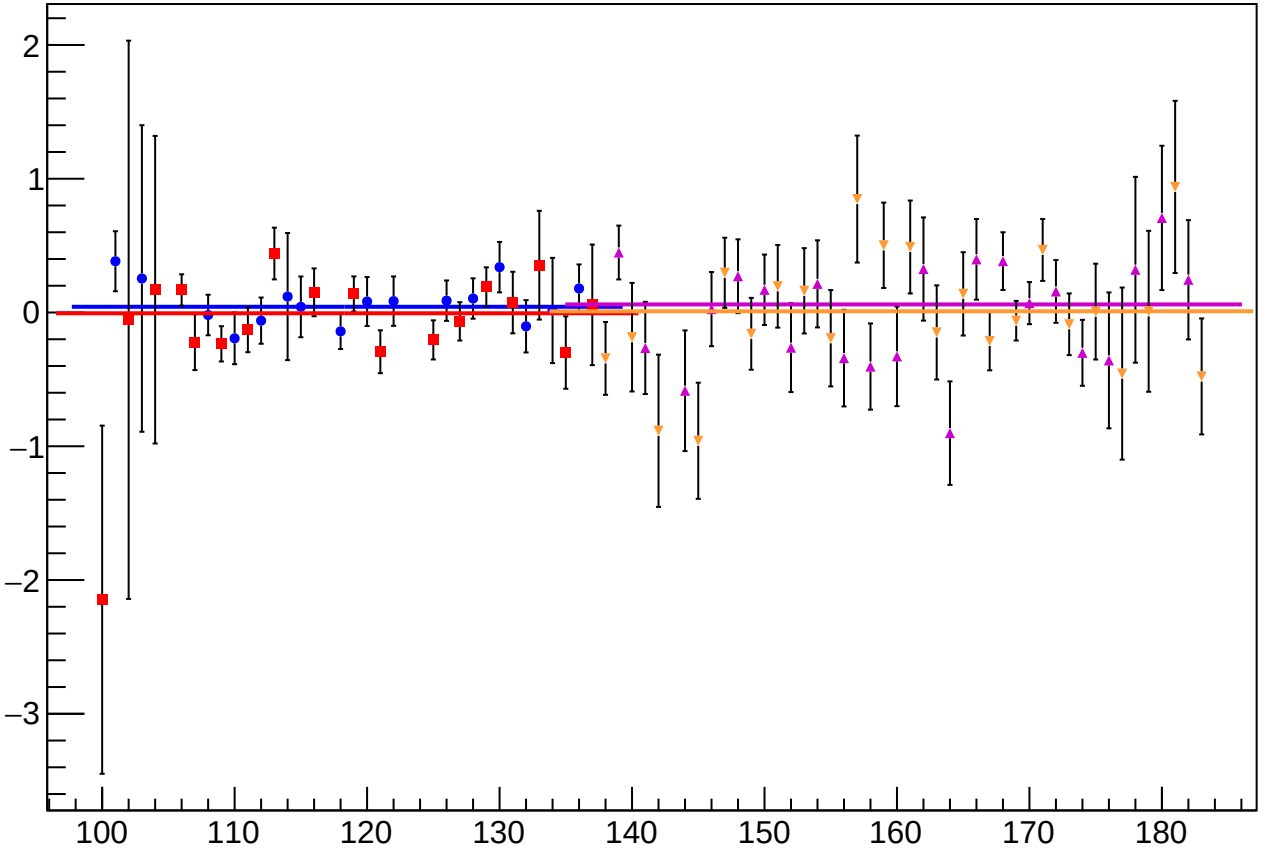
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 164.169+/-0.027 χ^2/NDF:10800508.8/37

Out: 148.147+/-0.025 χ^2/NDF:14500436.0/40

All: 155.722+/-0.018 χ^2/NDF: 25490590.8/78

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: 0.009+/-0.063 χ^2/NDF:28.9/22

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: 0.035+/-0.044 χ^2/NDF: 57.1/44

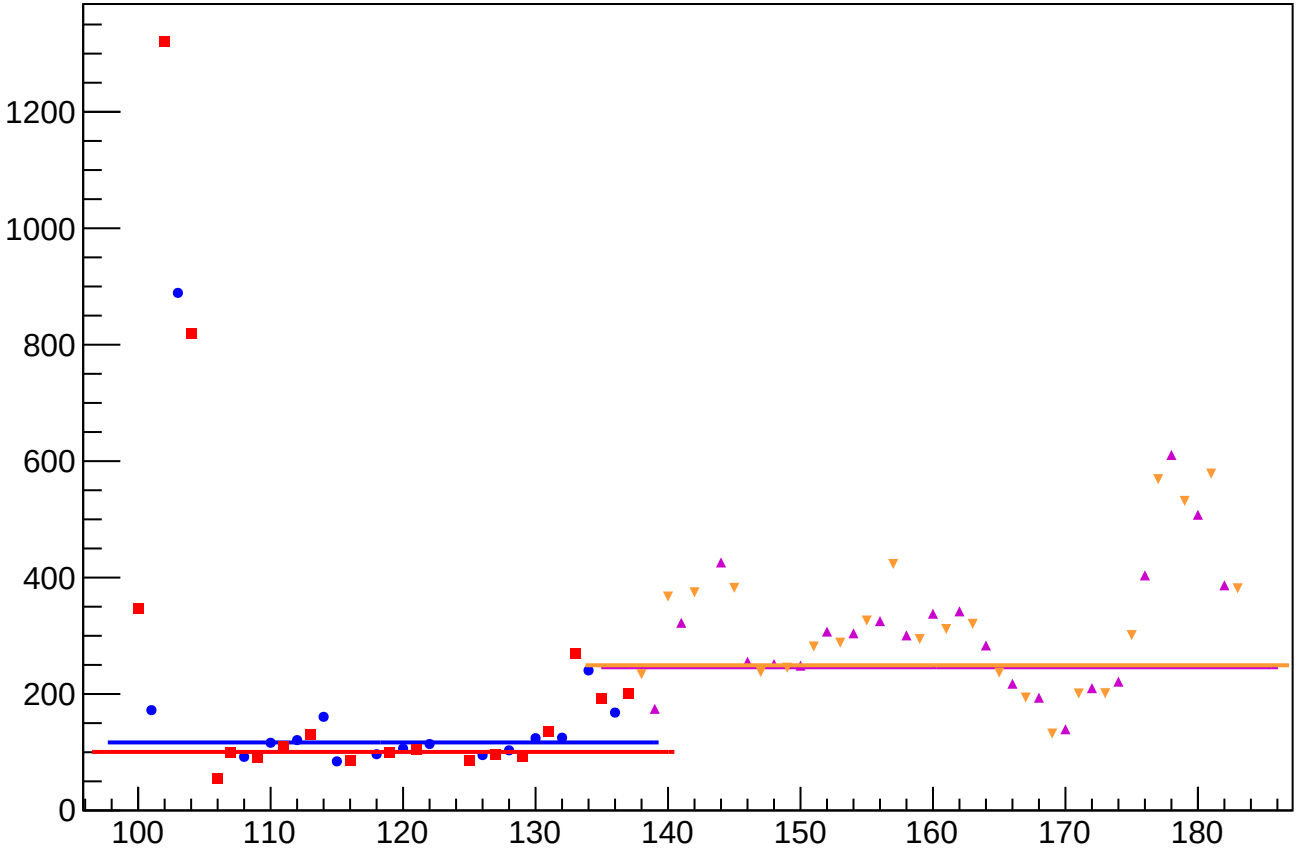
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.049+/-0.038 χ^2/NDF:38.2/37

Out: -0.001+/-0.036 χ^2/NDF:54.9/40

All: 0.023+/-0.026 χ^2/NDF: 94.1/78

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: 249.381+/-0.045 χ^2/NDF:4306204.0/22

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 245.964+/-0.044 χ^2/NDF:3754757.3/21

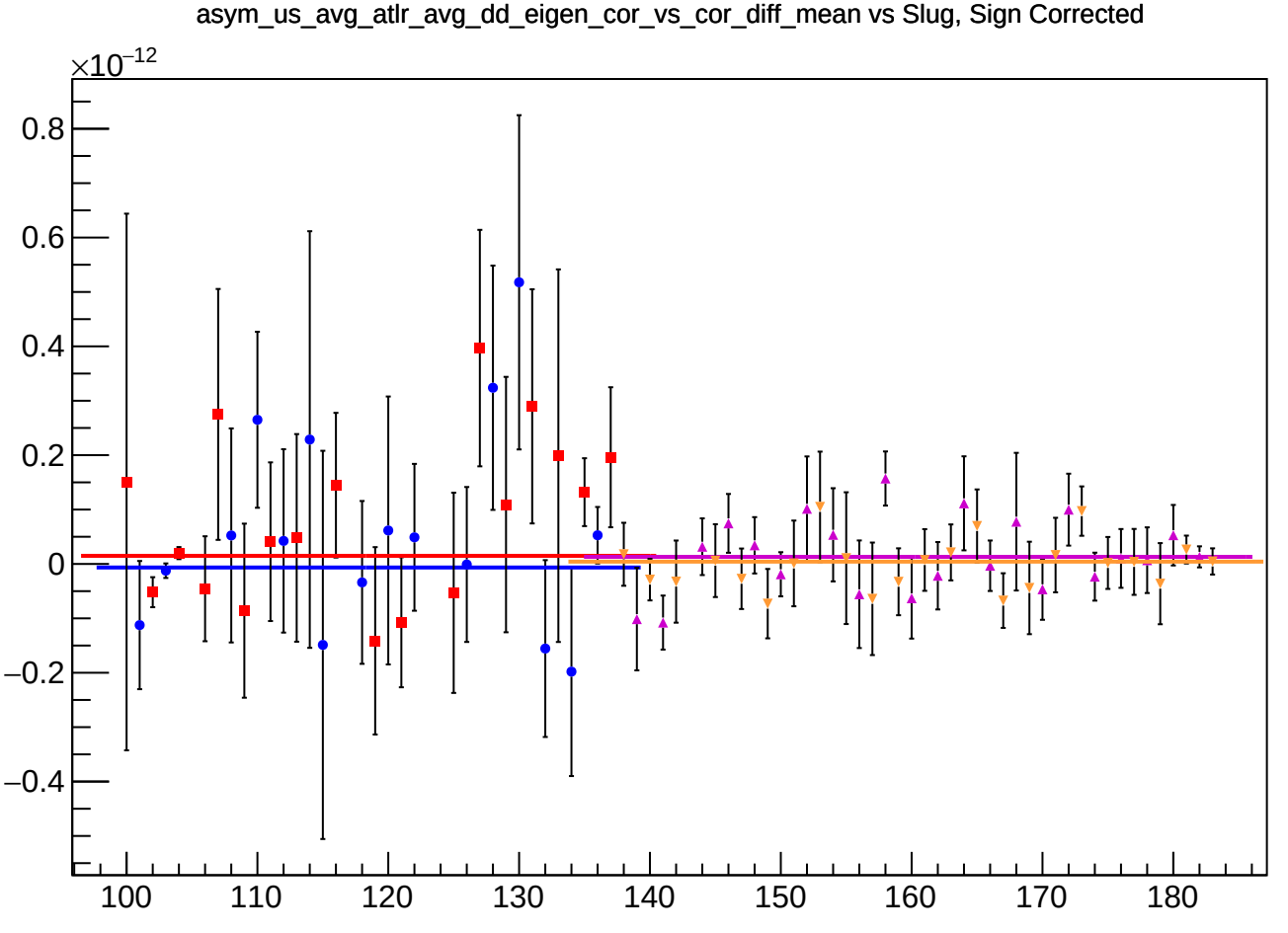
Left: 247.649+/-0.031 χ^2/NDF: 8063917.6/44

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 164.169+/-0.027 χ^2/NDF:10800508.8/37

Out: 148.147+/-0.025 χ^2/NDF:14500436.0/40

All: 155.722+/-0.018 χ^2/NDF: 25490590.8/78



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/22

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: 40.3/44

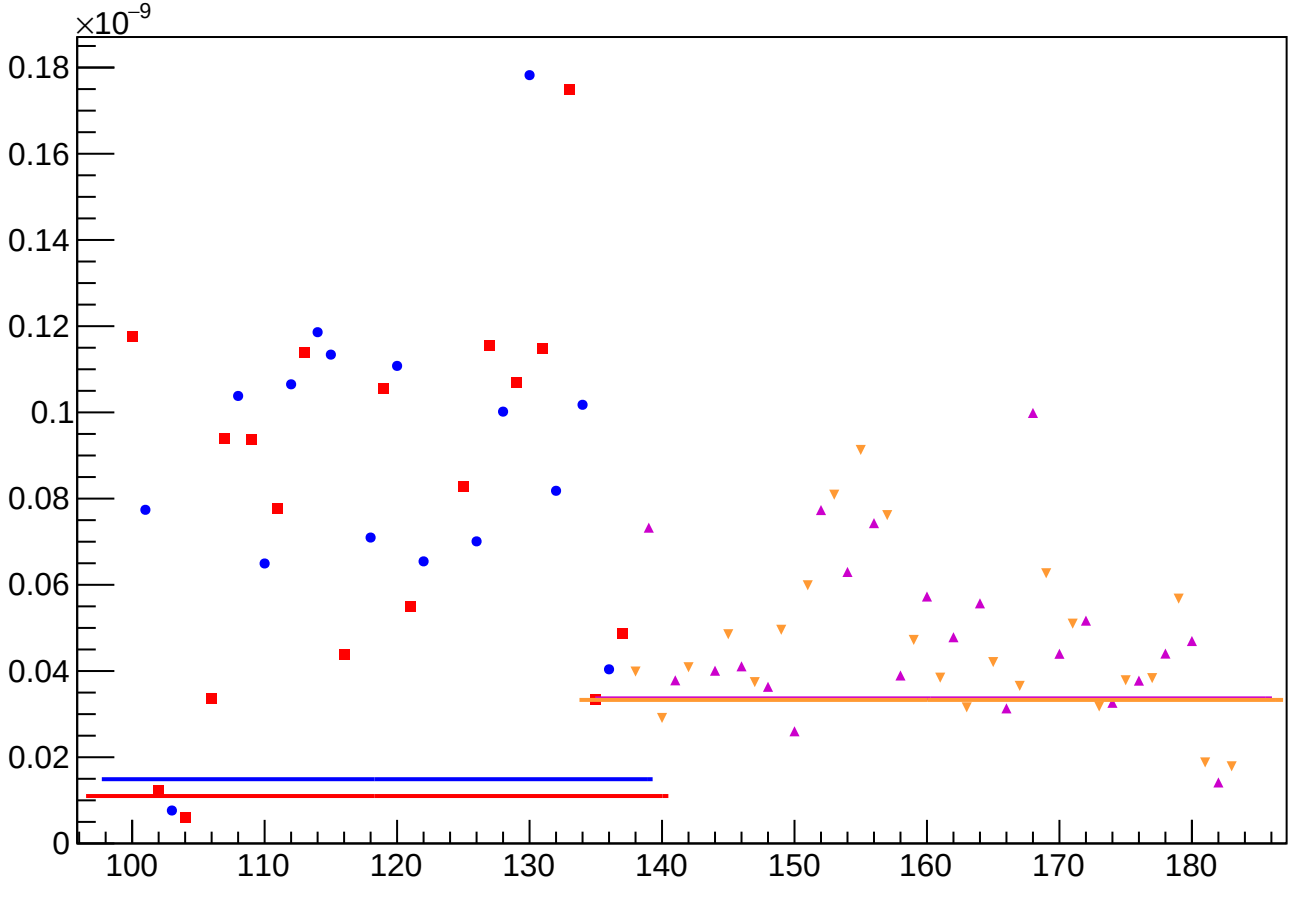
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:41.1/37

Out: 0.000+/-0.000 χ^2/NDF:35.7/40

All: 0.000+/-0.000 χ^2/NDF: 77.1/78

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:4010168.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:4940811.0/21

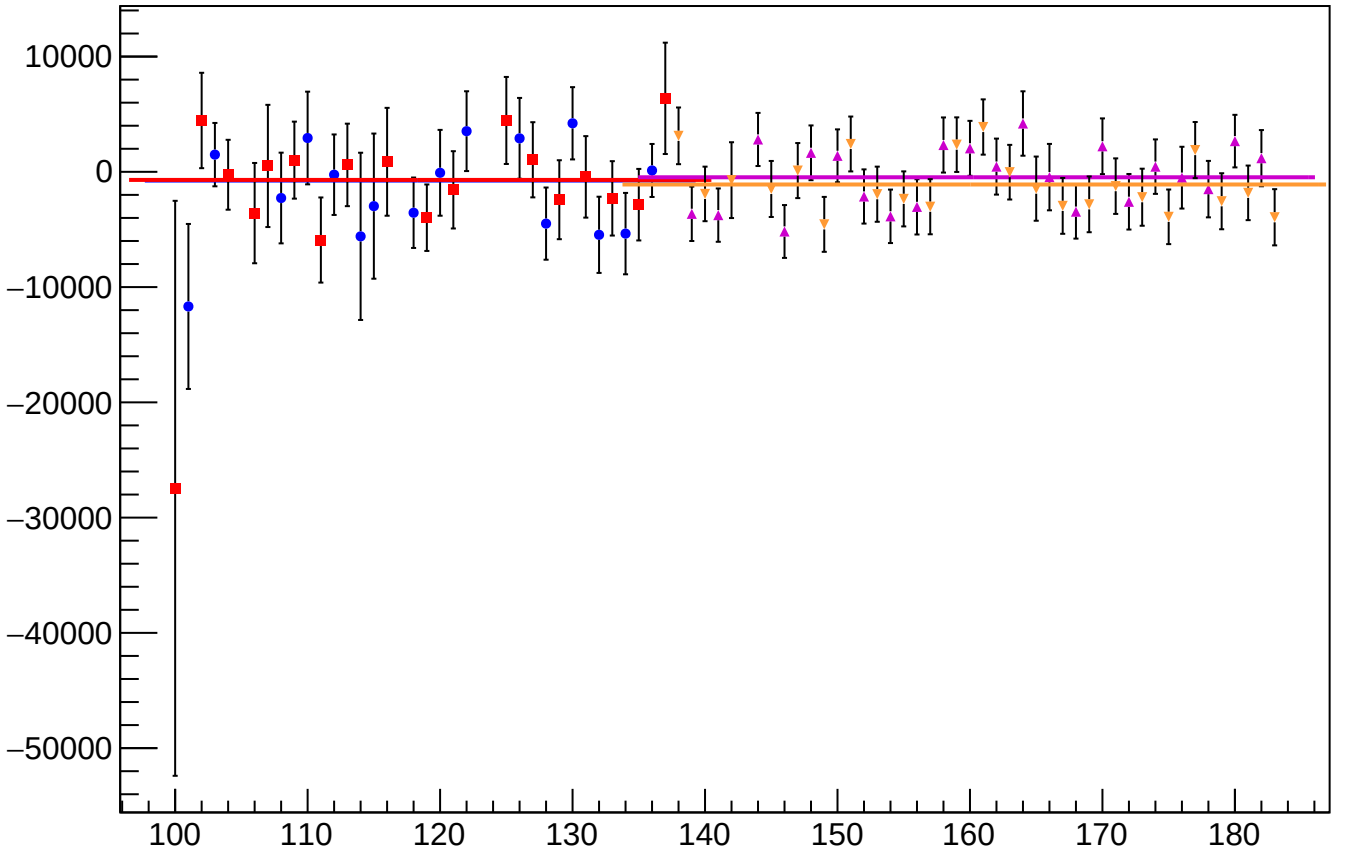
Left: 0.000+/-0.000 χ^2/NDF: 8952098.4/44

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:13437027.8/37

Out: 0.000+/-0.000 χ^2/NDF:14615678.3/40

All: 0.000+/-0.000 χ^2/NDF: 28369124.2/78



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -1098.277+/-509.145 χ^2/NDF:21.4/22

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -472.388+/-513.434 χ^2/NDF:27.0/21

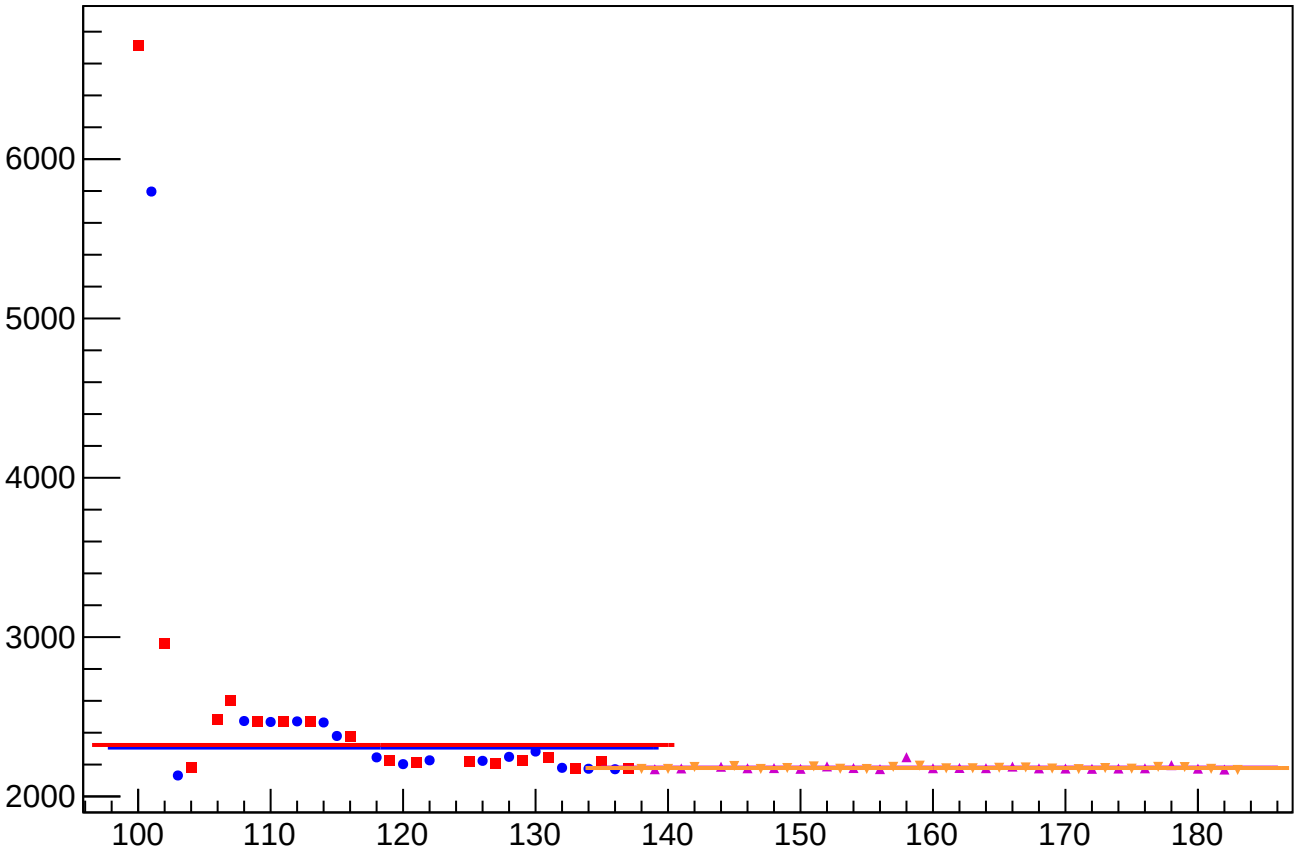
Left: -787.958+/-361.527 χ^2/NDF: 49.2/44

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -544.880+/-442.522 χ^2/NDF:43.0/37

Out: -996.997+/-439.252 χ^2/NDF:33.9/40

All: -772.615+/-311.748 χ^2/NDF: 77.4/78



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.420+/-0.360 χ^2/NDF:372.3/22

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: 2179.749+/-0.256 χ^2/NDF: 2250.6/44

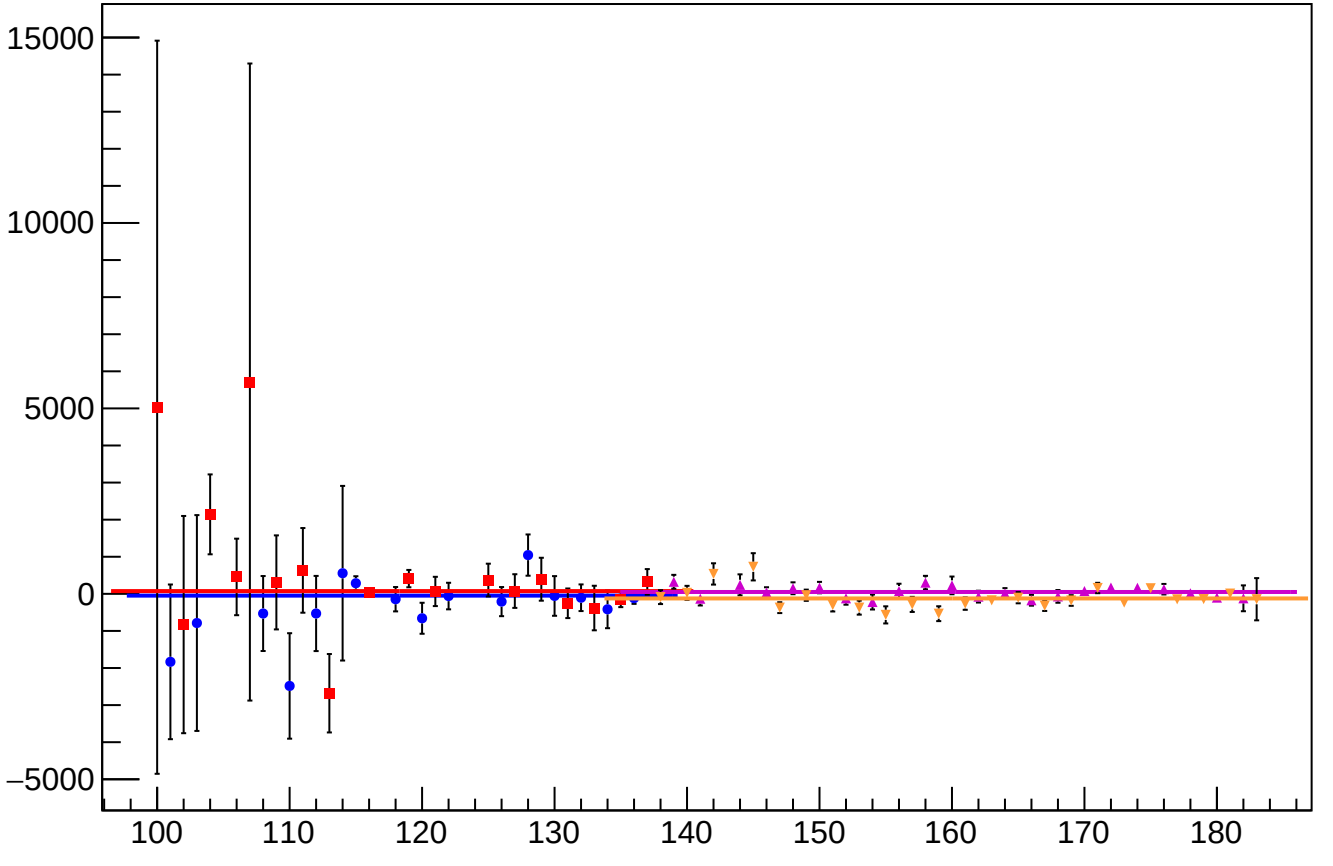
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2213.385+/-0.313 χ^2/NDF:546749.7/37

Out: 2215.393+/-0.311 χ^2/NDF:193404.3/40

All: 2214.396+/-0.220 χ^2/NDF: 740174.7/78

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: -124.253+/-31.424 χ^2/NDF:42.2/22

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: -40.222+/-22.613 χ^2/NDF: 75.3/44

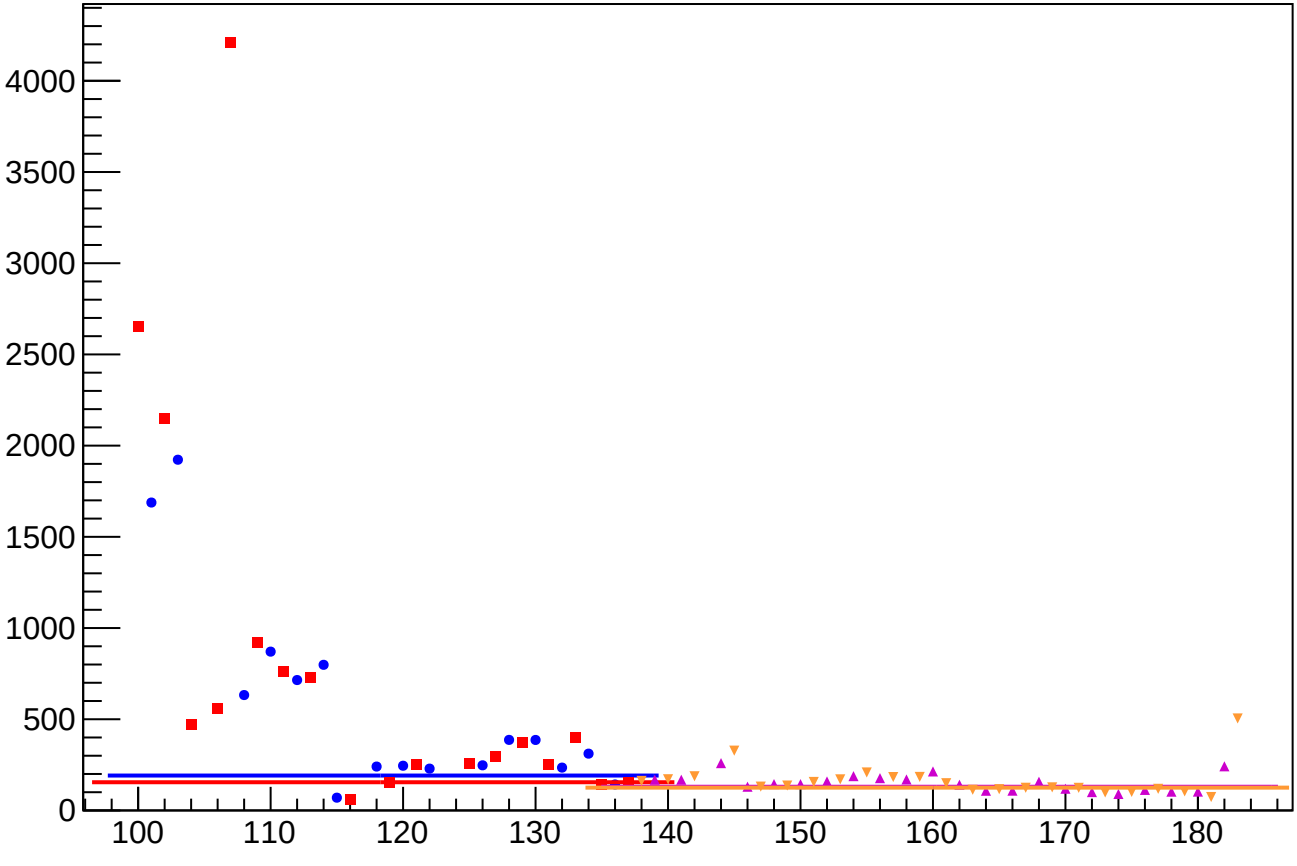
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 38.891+/-30.659 χ^2/NDF:33.6/37

Out: -99.047+/-29.360 χ^2/NDF:64.9/40

All: -33.060+/-21.205 χ^2/NDF: 109.1/78

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: 125.127+/-0.022 χ^2/NDF:3651891.9/22

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 129.966+/-0.023 χ^2/NDF:2361316.8/21

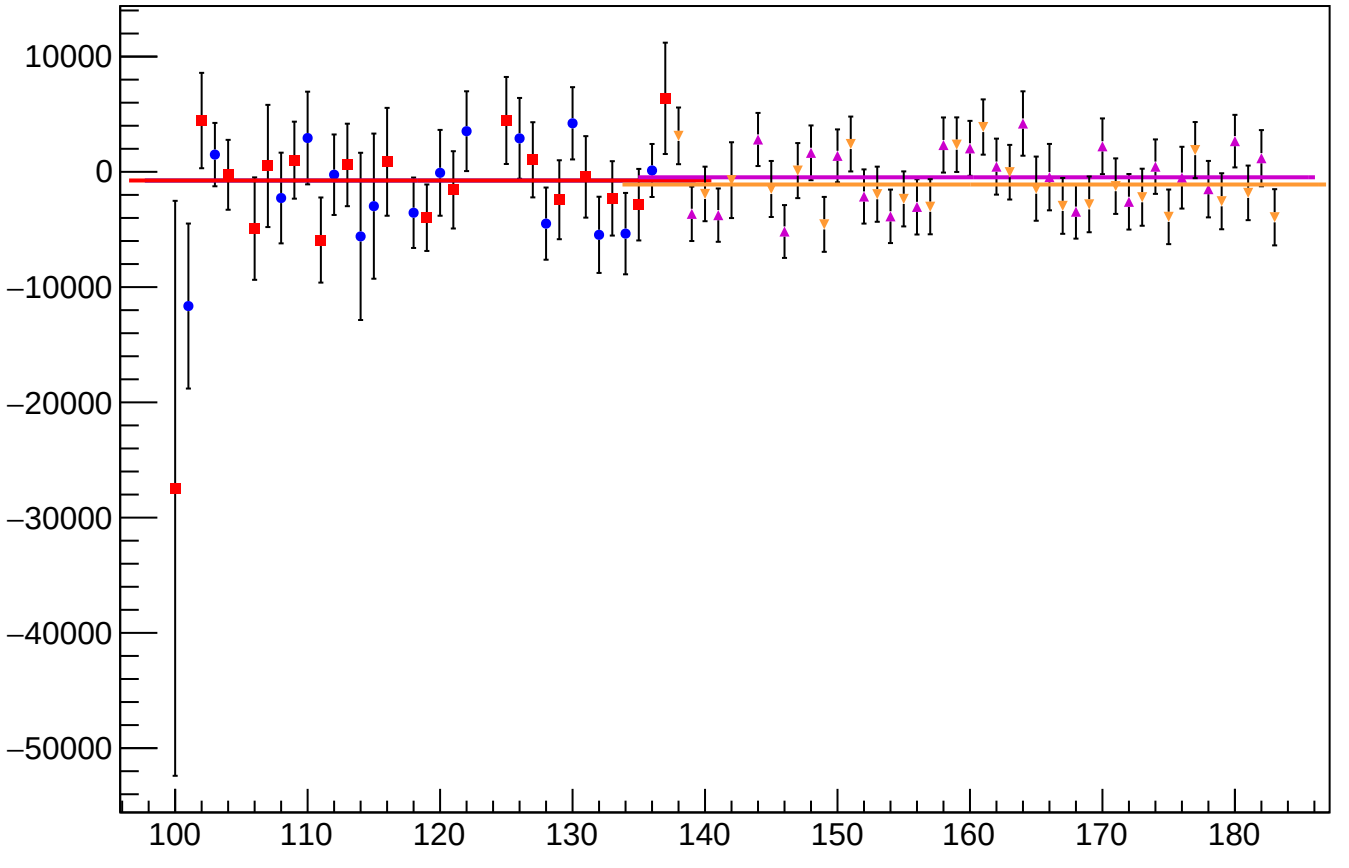
Left: 127.460+/-0.016 χ^2/NDF: 6036073.5/44

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 136.950+/-0.022 χ^2/NDF:8234945.4/37

Out: 128.880+/-0.021 χ^2/NDF:10030805.9/40

All: 132.740+/-0.015 χ^2/NDF: 18338029.0/78



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -1098.237+/-509.145 χ^2/NDF:21.4/22

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -472.409+/-513.434 χ^2/NDF:27.0/21

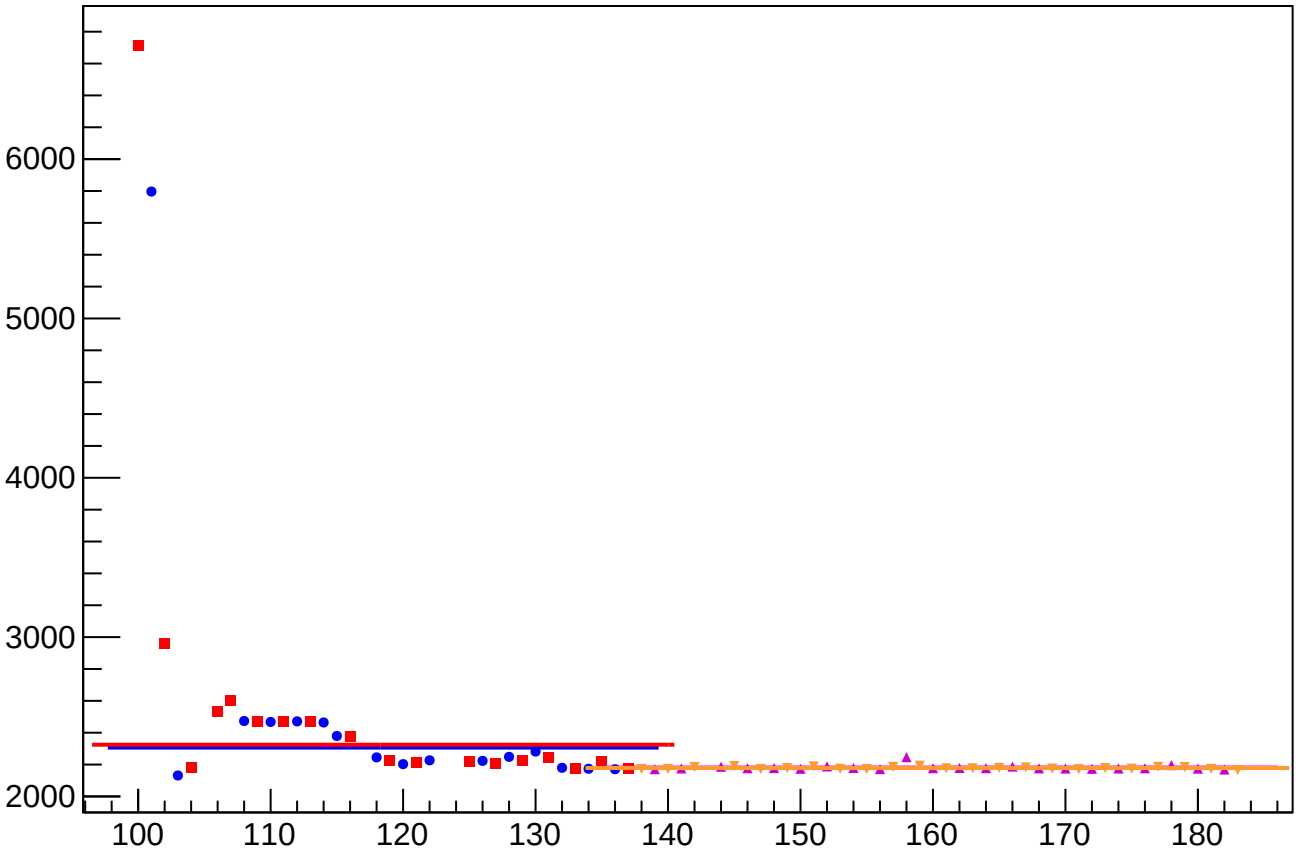
Left: -787.948+/-361.527 χ^2/NDF: 49.2/44

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -544.646+/-442.522 χ^2/NDF:43.0/37

Out: -1009.126+/-439.345 χ^2/NDF:34.3/40

All: -778.559+/-311.781 χ^2/NDF: 77.9/78



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.420+/-0.360 χ^2/NDF:372.3/22

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: 2179.749+/-0.256 χ^2/NDF: 2250.6/44

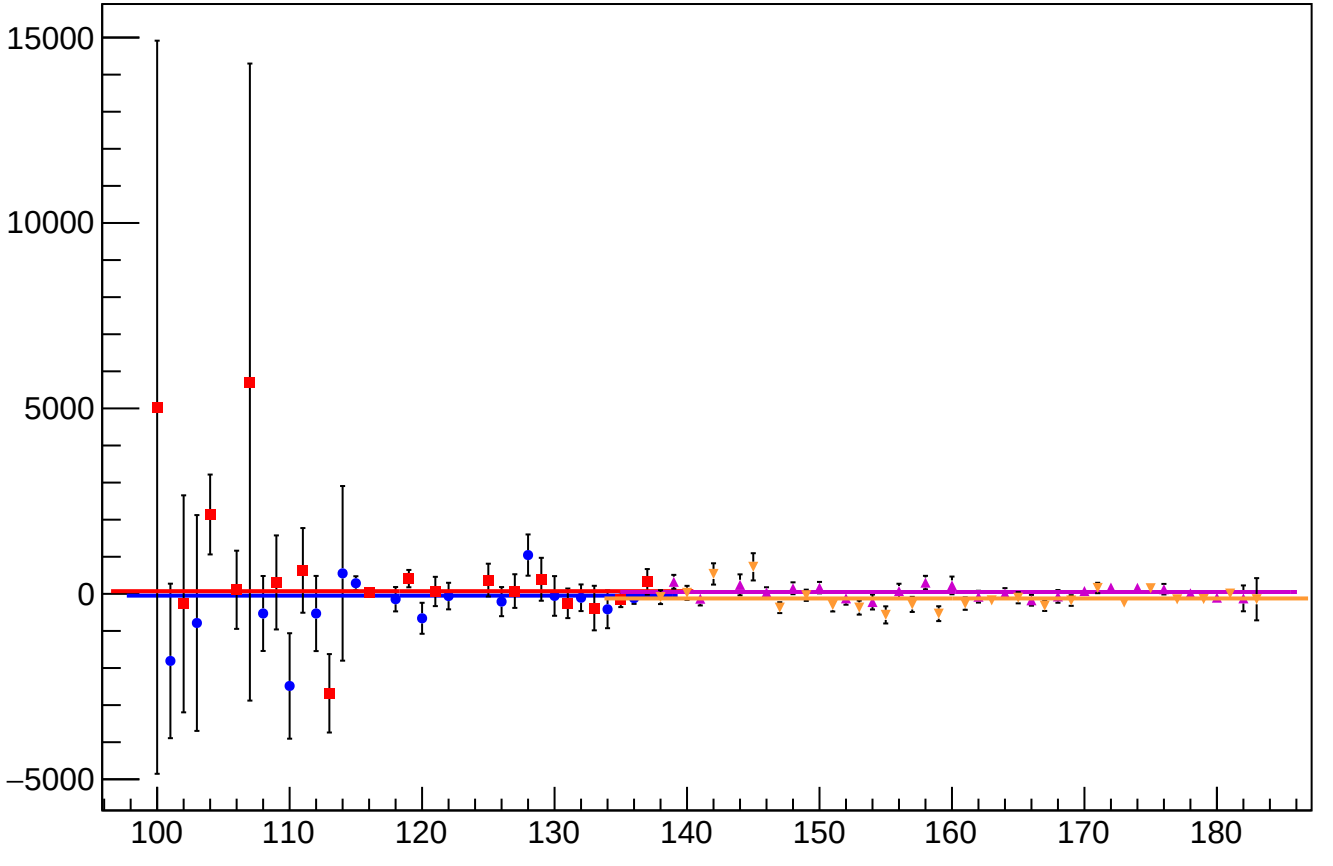
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2213.385+/-0.313 χ^2/NDF:546750.0/37

Out: 2215.775+/-0.311 χ^2/NDF:196104.5/40

All: 2214.588+/-0.220 χ^2/NDF: 742883.8/78

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: -124.175+/-31.424 χ^2/NDF:42.2/22

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: -40.243+/-22.614 χ^2/NDF: 75.2/44

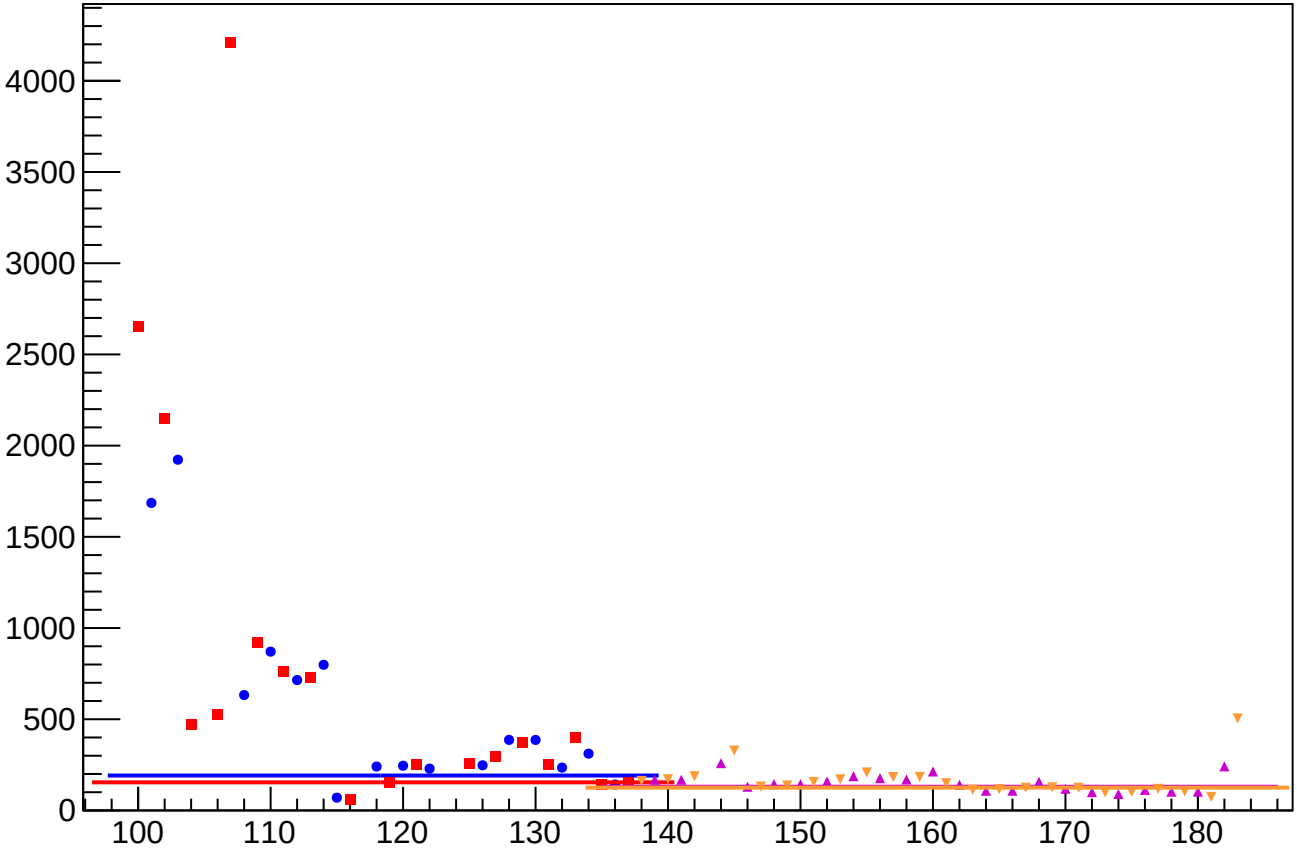
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 38.790+/-30.662 χ^2/NDF:33.6/37

Out: -99.201+/-29.358 χ^2/NDF:64.6/40

All: -33.202+/-21.205 χ^2/NDF: 108.7/78

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: 125.123+/-0.022 χ^2/NDF:3652678.8/22

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 129.980+/-0.023 χ^2/NDF:2360980.4/21

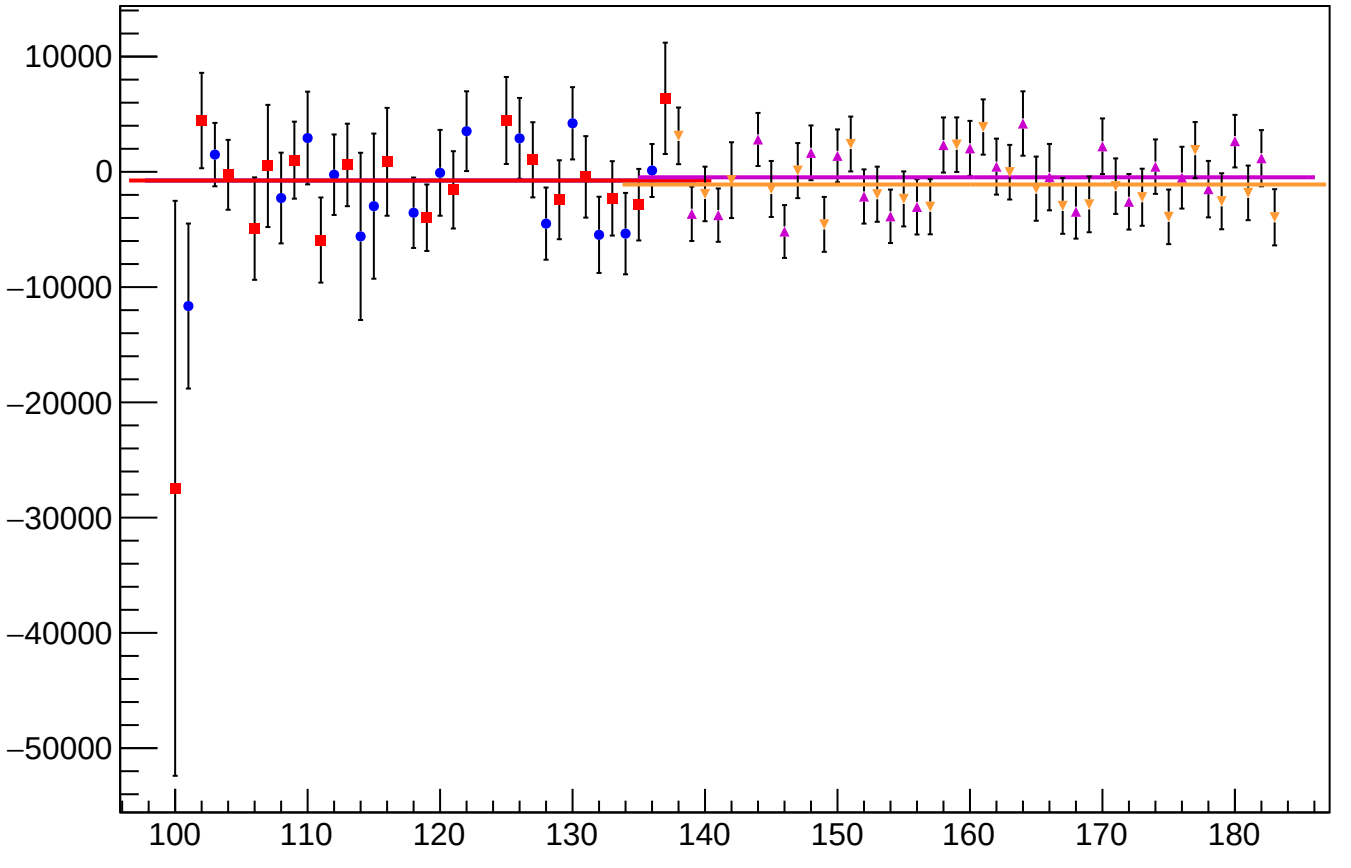
Left: 127.465+/-0.016 χ^2/NDF: 6036696.2/44

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 136.966+/-0.022 χ^2/NDF:8233613.7/37

Out: 128.811+/-0.021 χ^2/NDF:9977944.2/40

All: 132.711+/-0.015 χ^2/NDF: 18285370.2/78



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -1098.237+/-509.145 χ^2/NDF:21.4/22

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -472.409+/-513.434 χ^2/NDF:27.0/21

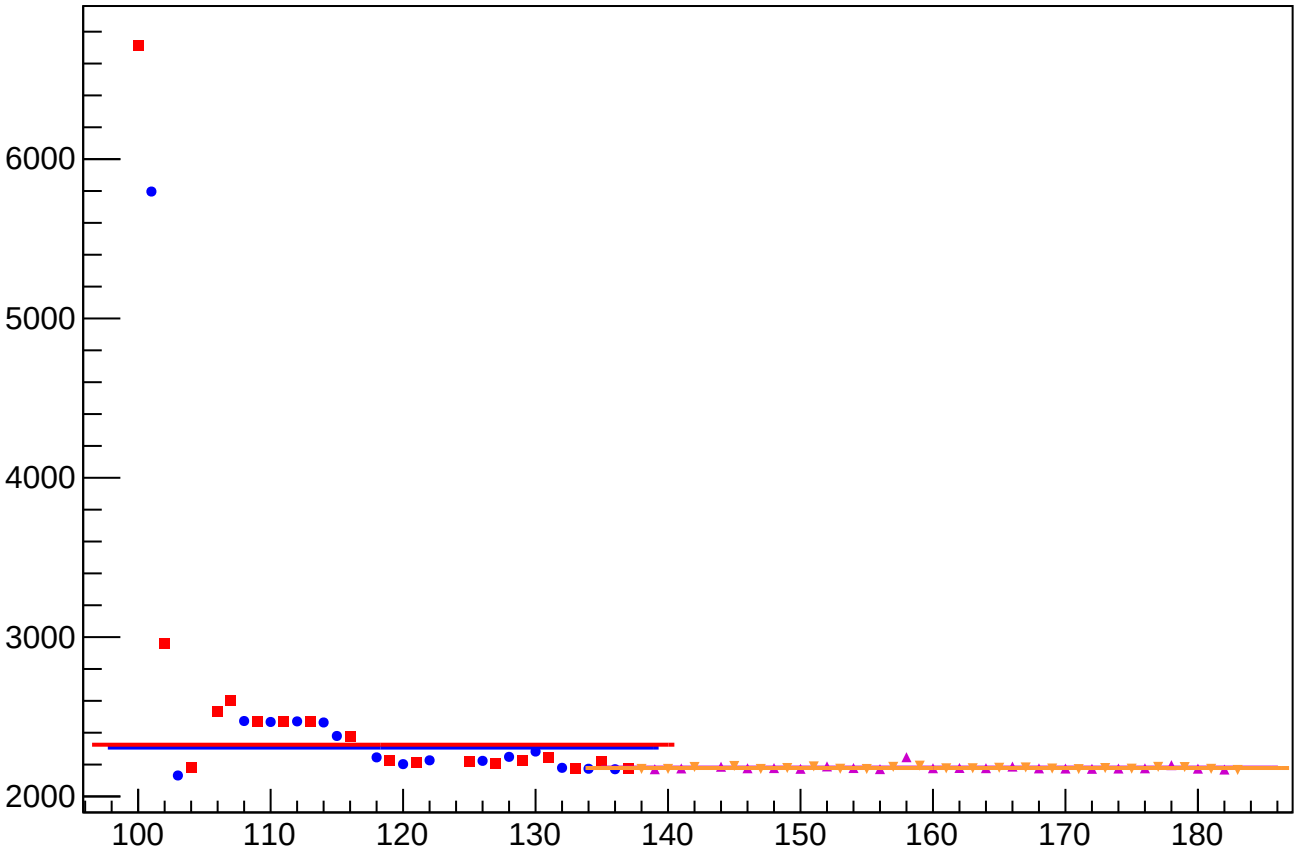
Left: -787.948+/-361.527 χ^2/NDF: 49.2/44

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -544.646+/-442.522 χ^2/NDF:43.0/37

Out: -1009.126+/-439.345 χ^2/NDF:34.3/40

All: -778.559+/-311.781 χ^2/NDF: 77.9/78



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.420+/-0.360 χ^2/NDF:372.3/22

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: 2179.749+/-0.256 χ^2/NDF: 2250.6/44

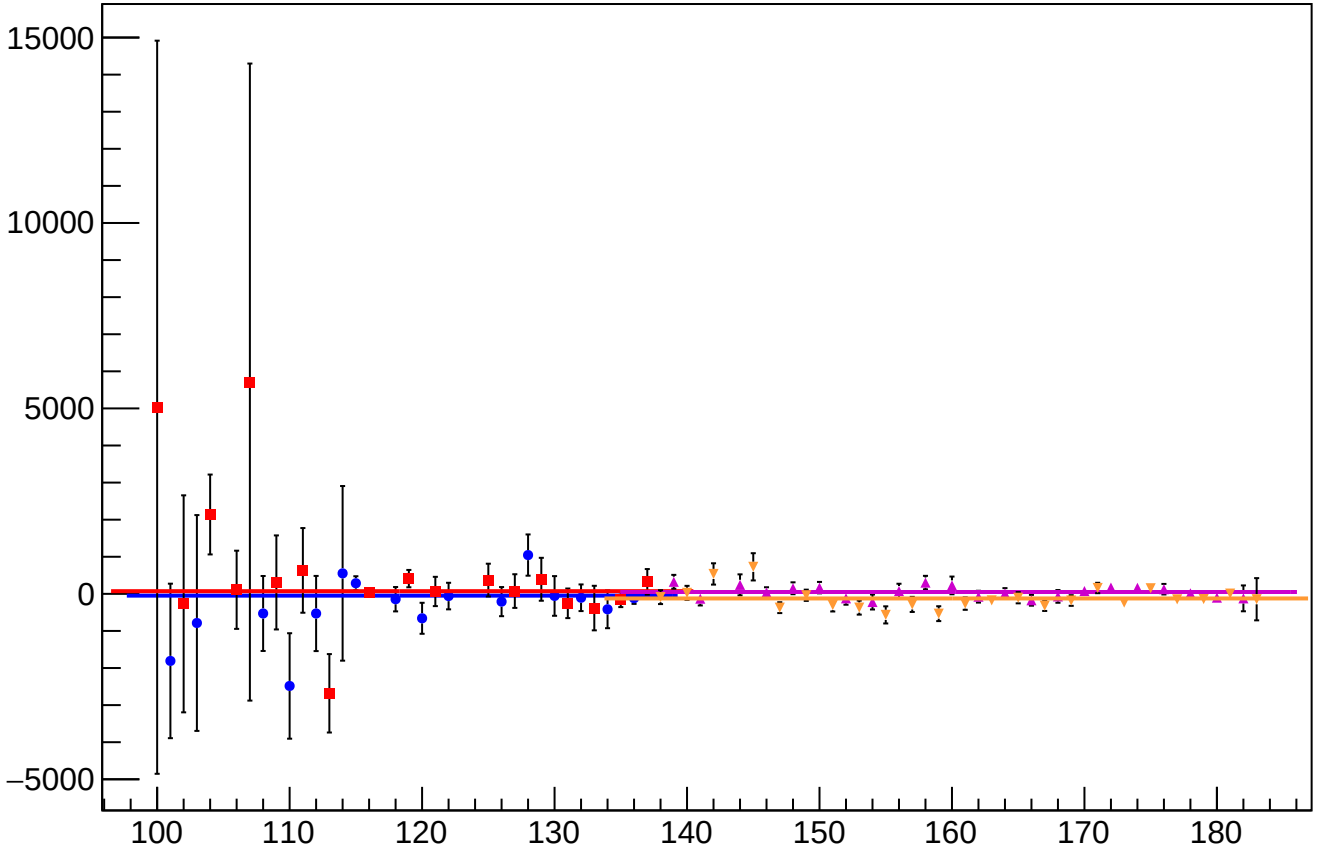
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2213.385+/-0.313 χ^2/NDF:546750.0/37

Out: 2215.775+/-0.311 χ^2/NDF:196104.5/40

All: 2214.588+/-0.220 χ^2/NDF: 742883.8/78

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: -124.175+/-31.424 χ^2/NDF:42.2/22

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: -40.243+/-22.614 χ^2/NDF: 75.2/44

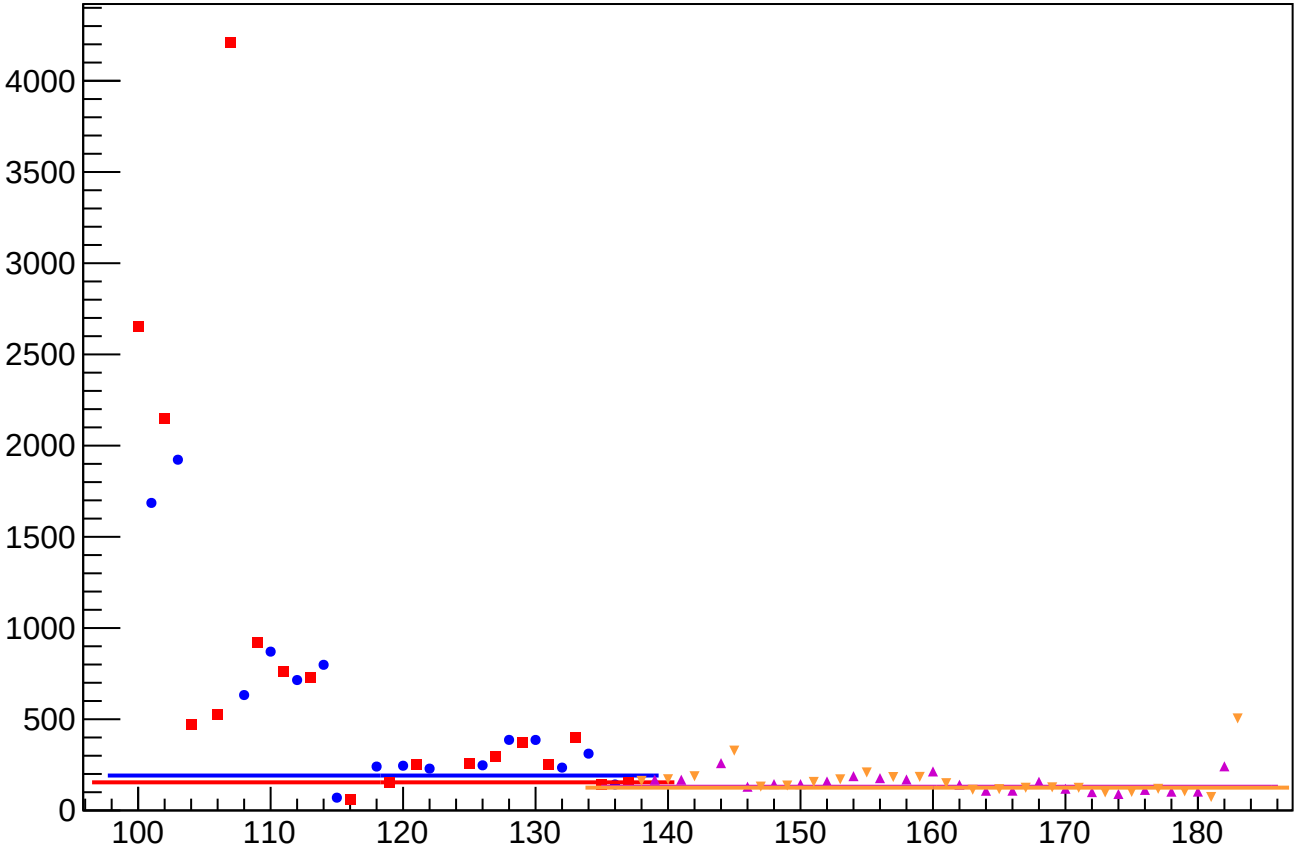
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 38.790+/-30.662 χ^2/NDF:33.6/37

Out: -99.201+/-29.358 χ^2/NDF:64.6/40

All: -33.202+/-21.205 χ^2/NDF: 108.7/78

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: 125.123+/-0.022 χ^2/NDF:3652678.8/22

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 129.980+/-0.023 χ^2/NDF:2360980.4/21

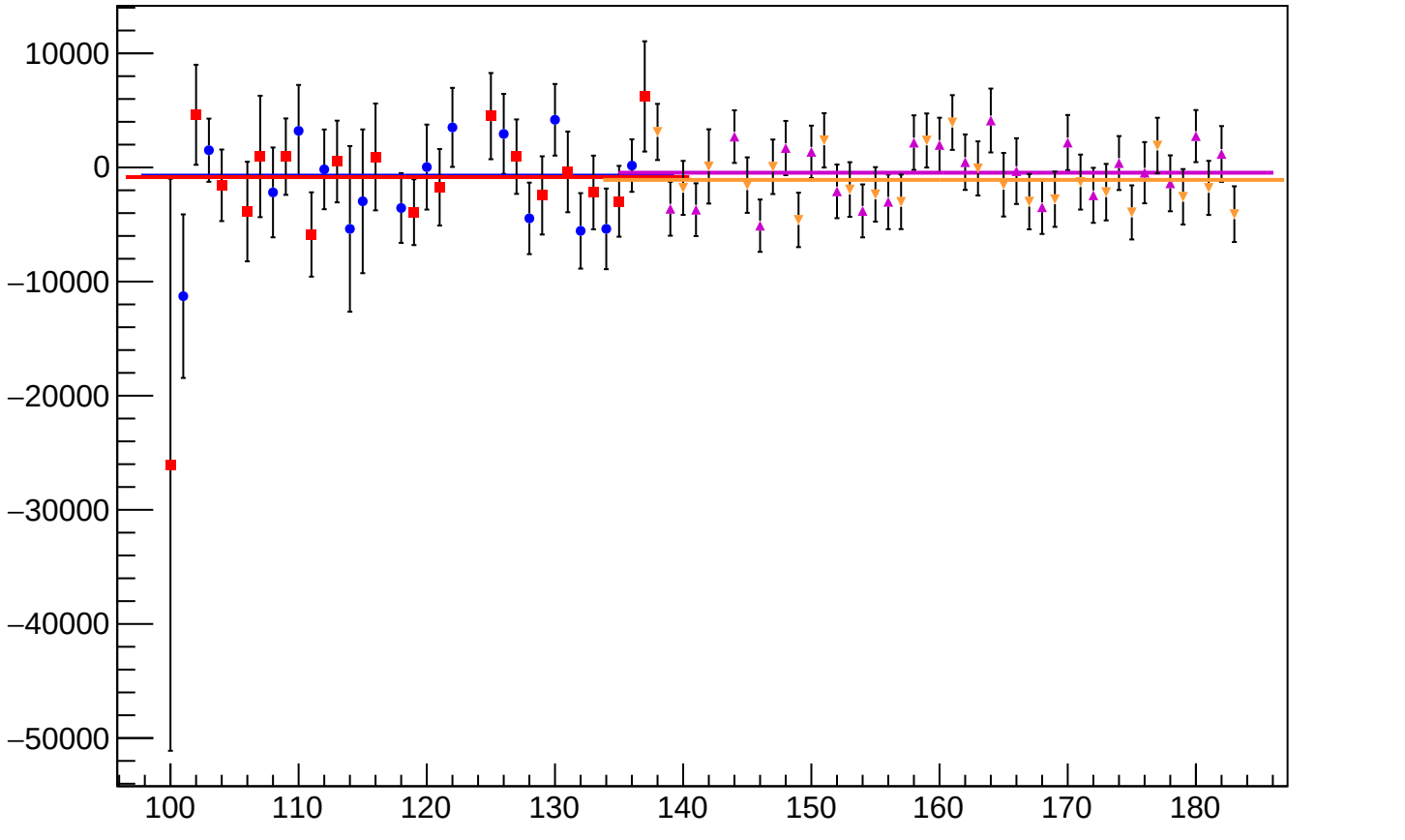
Left: 127.465+/-0.016 χ^2/NDF: 6036696.2/44

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 136.966+/-0.022 χ^2/NDF:8233613.7/37

Out: 128.811+/-0.021 χ^2/NDF:9977944.2/40

All: 132.711+/-0.015 χ^2/NDF: 18285370.2/78



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -1088.560+/-509.235 χ^2/NDF:21.7/22

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -458.734+/-513.657 χ^2/NDF:26.2/21

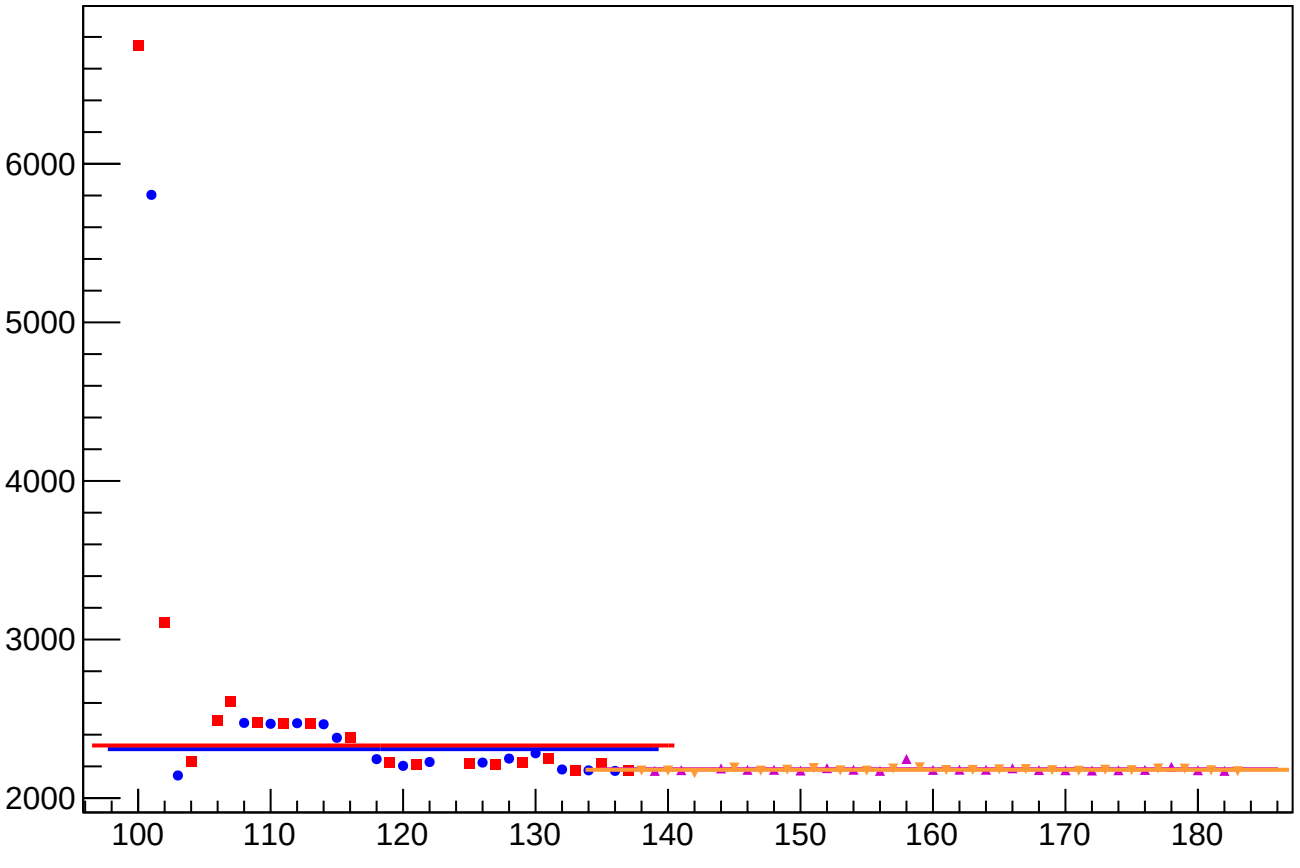
Left: -776.370+/-361.637 χ^2/NDF: 48.7/44

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -525.125+/-442.781 χ^2/NDF:42.1/37

Out: -1026.067+/-439.944 χ^2/NDF:33.9/40

All: -777.206+/-312.086 χ^2/NDF: 76.7/78



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.663+/-0.360 χ^2/NDF:442.1/22

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: 2180.342+/-0.256 χ^2/NDF: 2311.2/44

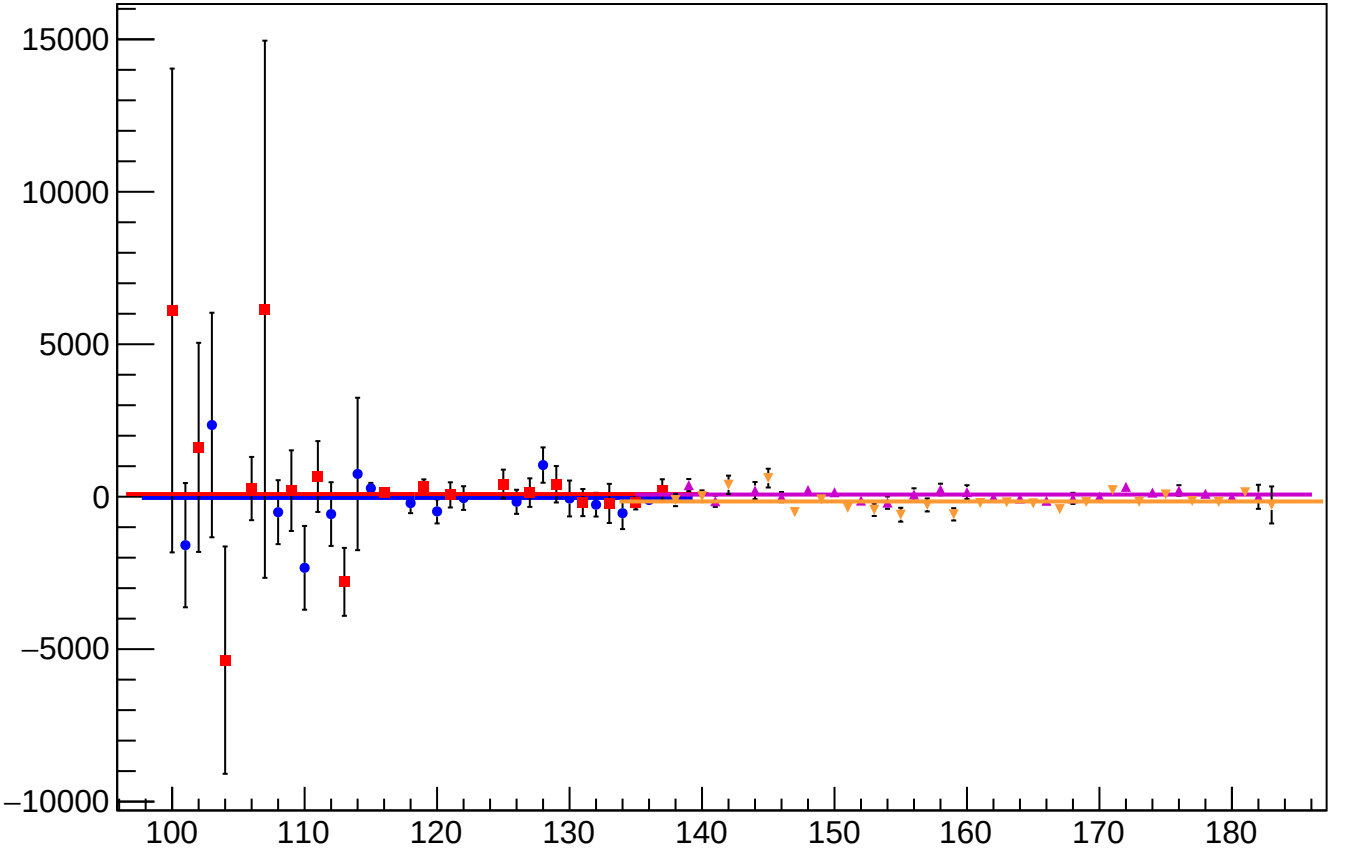
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2214.600+/-0.313 χ^2/NDF:546826.4/37

Out: 2217.514+/-0.311 χ^2/NDF:213664.6/40

All: 2216.067+/-0.221 χ^2/NDF: 760534.6/78

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: -156.071+/-34.077 χ^2/NDF:45.7/22

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: -43.493+/-24.149 χ^2/NDF: 86.5/44

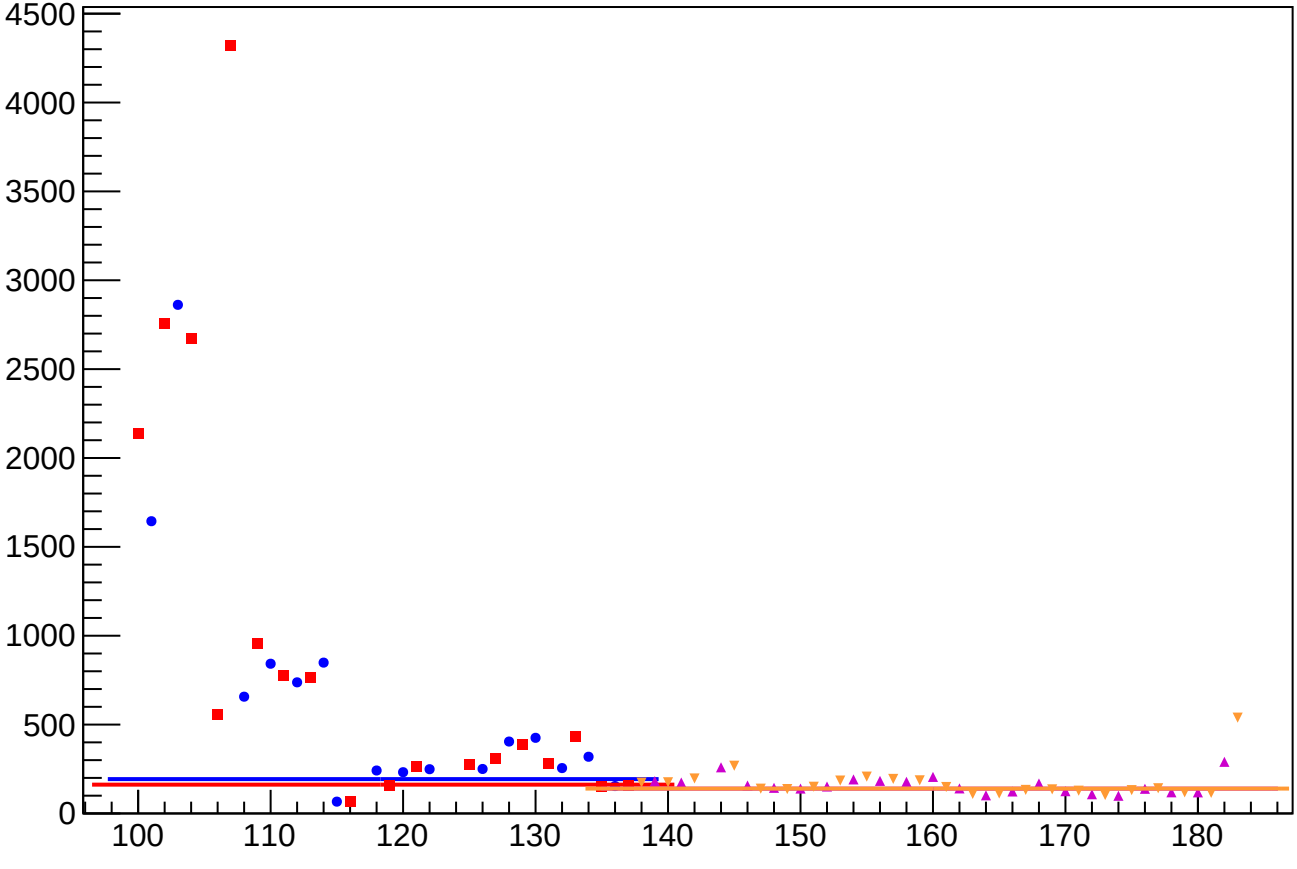
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 56.781+/-32.096 χ^2/NDF:34.2/37

Out: -123.228+/-31.685 χ^2/NDF:67.5/40

All: -34.382+/-22.549 χ^2/NDF: 117.7/78

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: 139.915+/-0.024 χ^2/NDF:2471048.8/22

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 139.490+/-0.024 χ^2/NDF:2095443.6/21

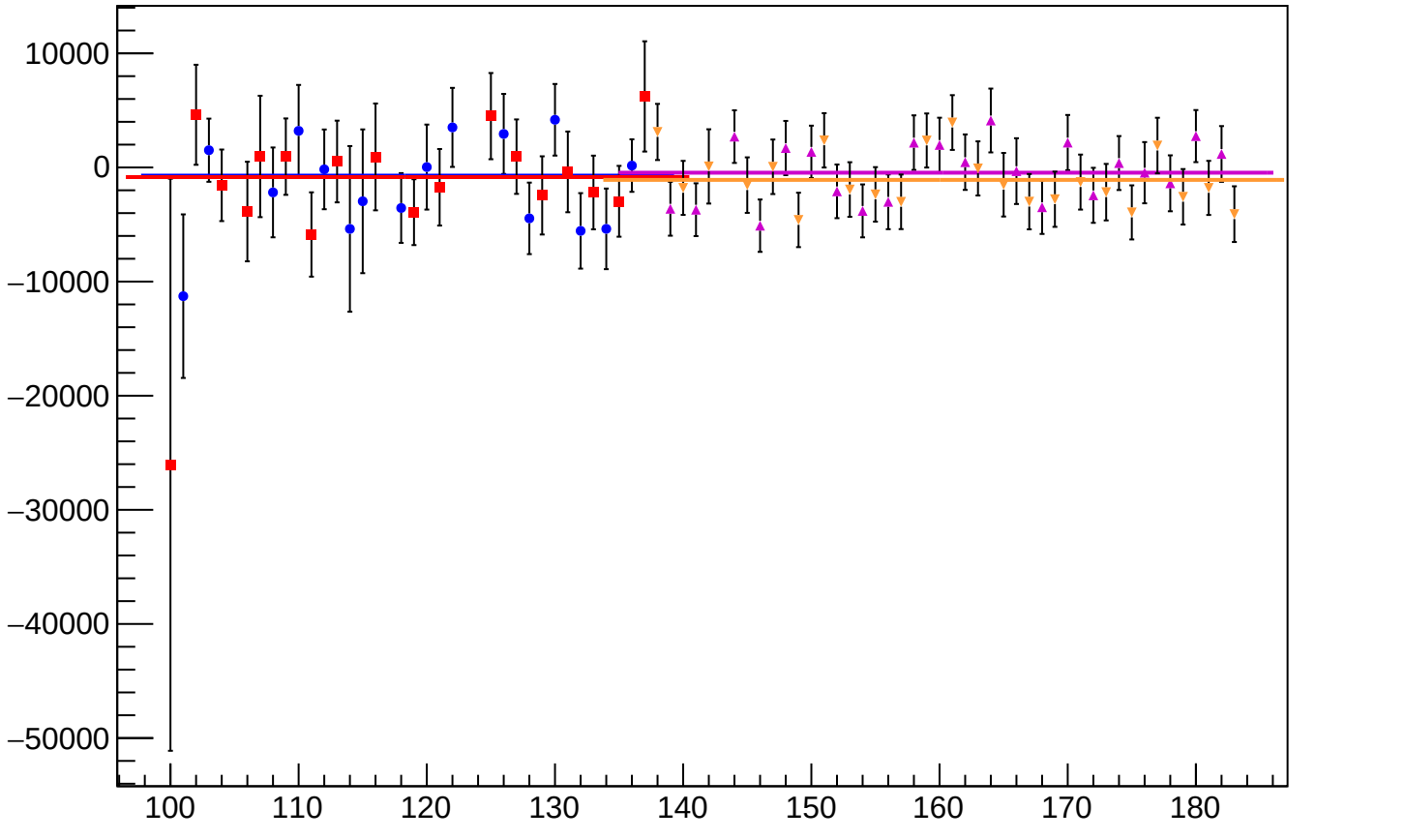
Left: 139.703+/-0.017 χ^2/NDF: 4566647.2/44

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 145.976+/-0.023 χ^2/NDF:8308648.9/37

Out: 142.922+/-0.022 χ^2/NDF:9656513.2/40

All: 144.429+/-0.016 χ^2/NDF: 17974330.6/78



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -1088.561+/-509.235 χ^2/NDF:21.7/22

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -458.734+/-513.657 χ^2/NDF:26.2/21

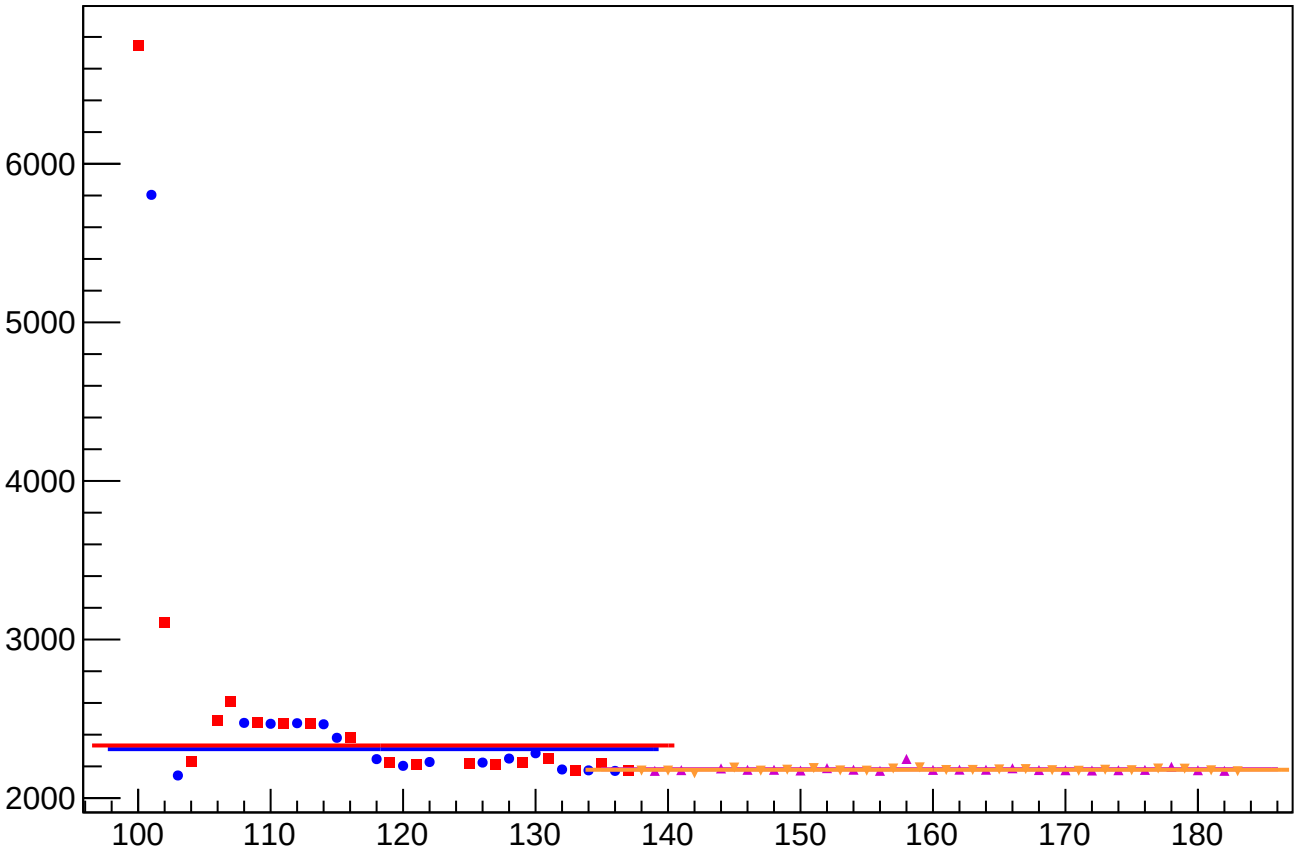
Left: -776.370+/-361.637 χ^2/NDF: 48.7/44

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -525.125+/-442.781 χ^2/NDF:42.1/37

Out: -1026.068+/-439.944 χ^2/NDF:33.9/40

All: -777.206+/-312.086 χ^2/NDF: 76.7/78



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.663+/-0.360 χ^2/NDF:442.1/22

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: 2180.342+/-0.256 χ^2/NDF: 2311.2/44

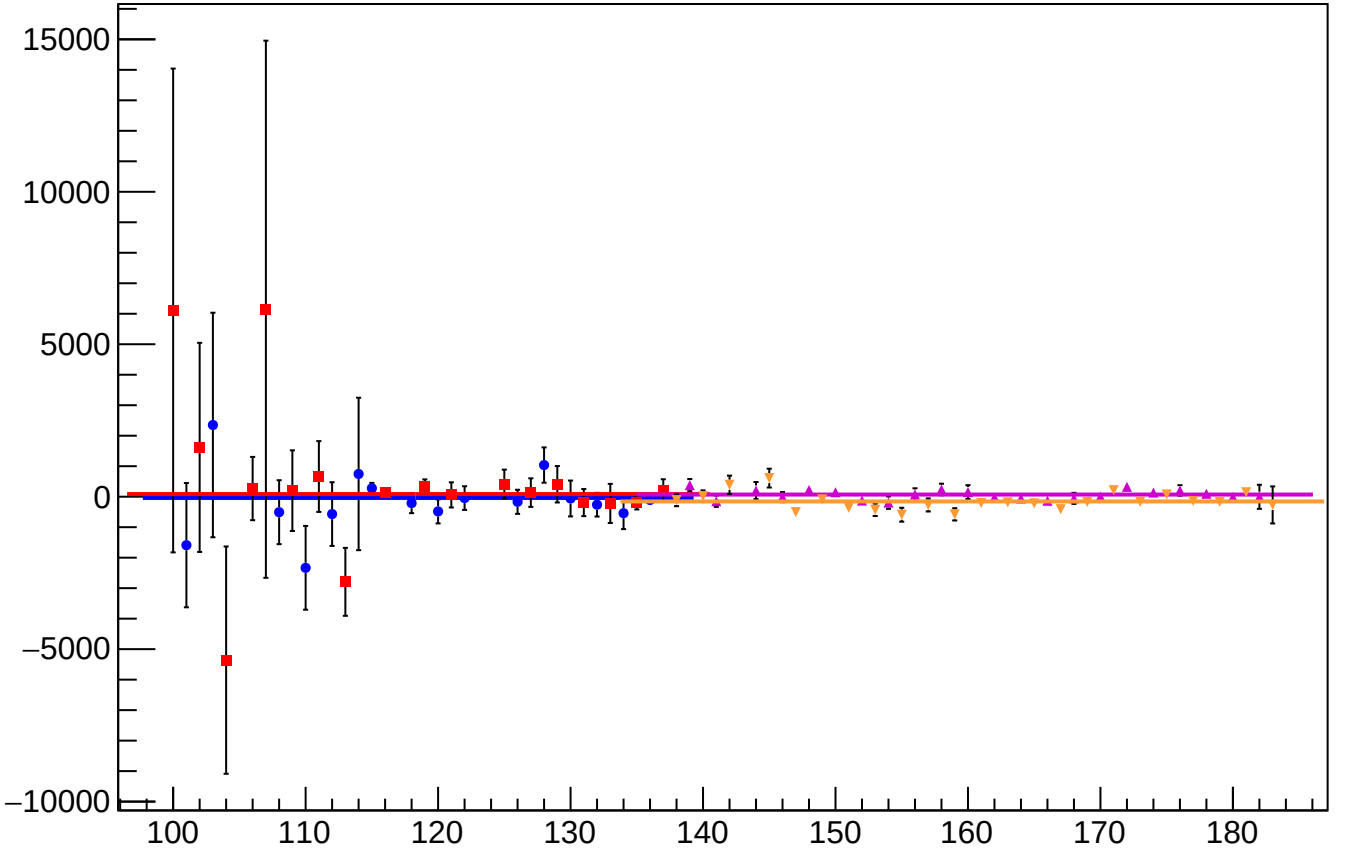
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2214.600+/-0.313 χ^2/NDF:546826.4/37

Out: 2217.514+/-0.311 χ^2/NDF:213664.5/40

All: 2216.067+/-0.221 χ^2/NDF: 760534.4/78

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: -156.072+/-34.077 χ^2/NDF:45.7/22

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: -43.494+/-24.149 χ^2/NDF: 86.5/44

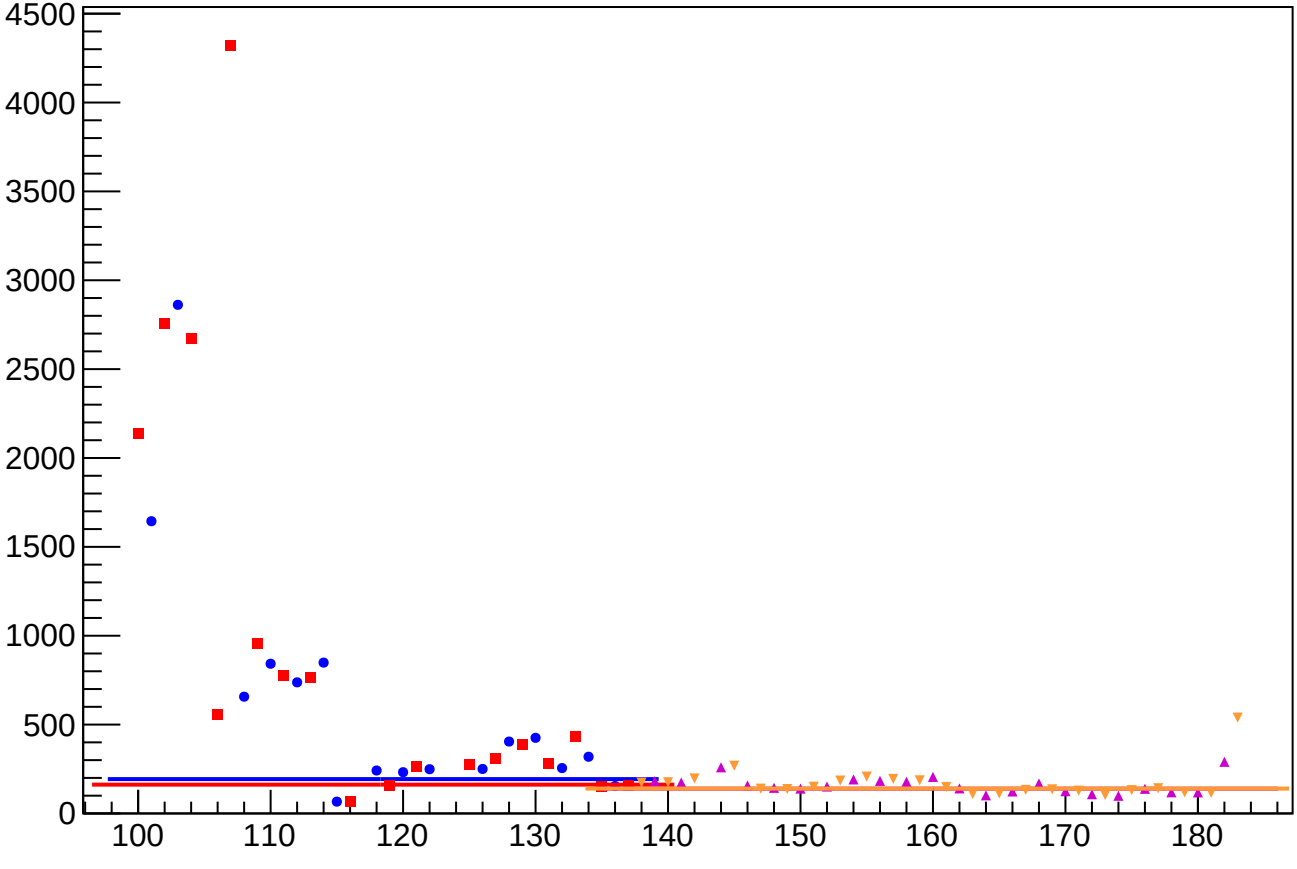
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 56.780+/-32.096 χ^2/NDF:34.2/37

Out: -123.228+/-31.685 χ^2/NDF:67.5/40

All: -34.382+/-22.549 χ^2/NDF: 117.7/78

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: 139.915+/-0.024 χ^2/NDF:2471044.7/22

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 139.490+/-0.024 χ^2/NDF:2095497.1/21

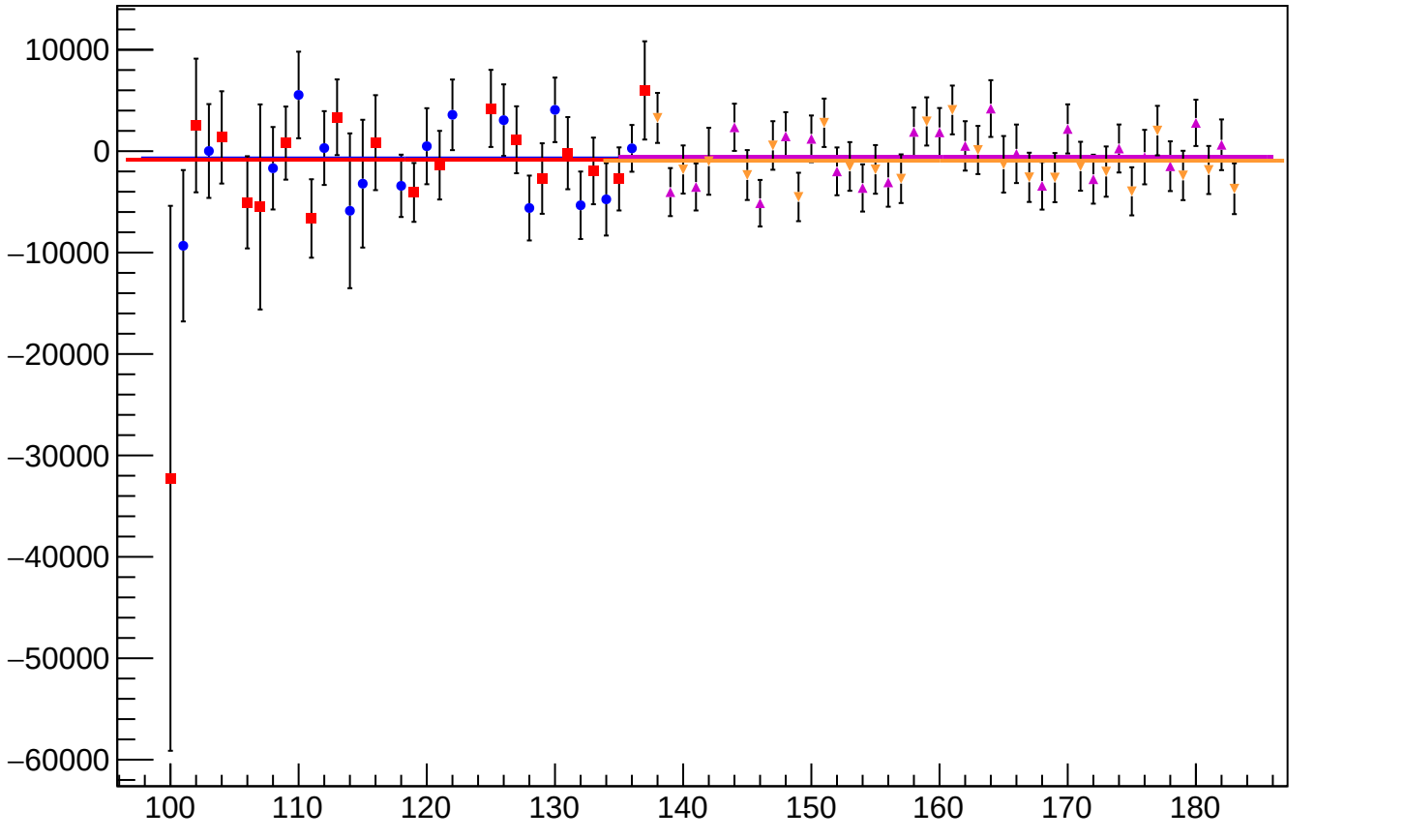
Left: 139.704+/-0.017 χ^2/NDF: 4566696.7/44

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 145.976+/-0.023 χ^2/NDF:8308694.9/37

Out: 142.922+/-0.022 χ^2/NDF:9656542.7/40

All: 144.429+/-0.016 χ^2/NDF: 17974405.7/78



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -937.505+/-511.179 χ^2/NDF:22.4/22

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -557.605+/-515.437 χ^2/NDF:25.3/21

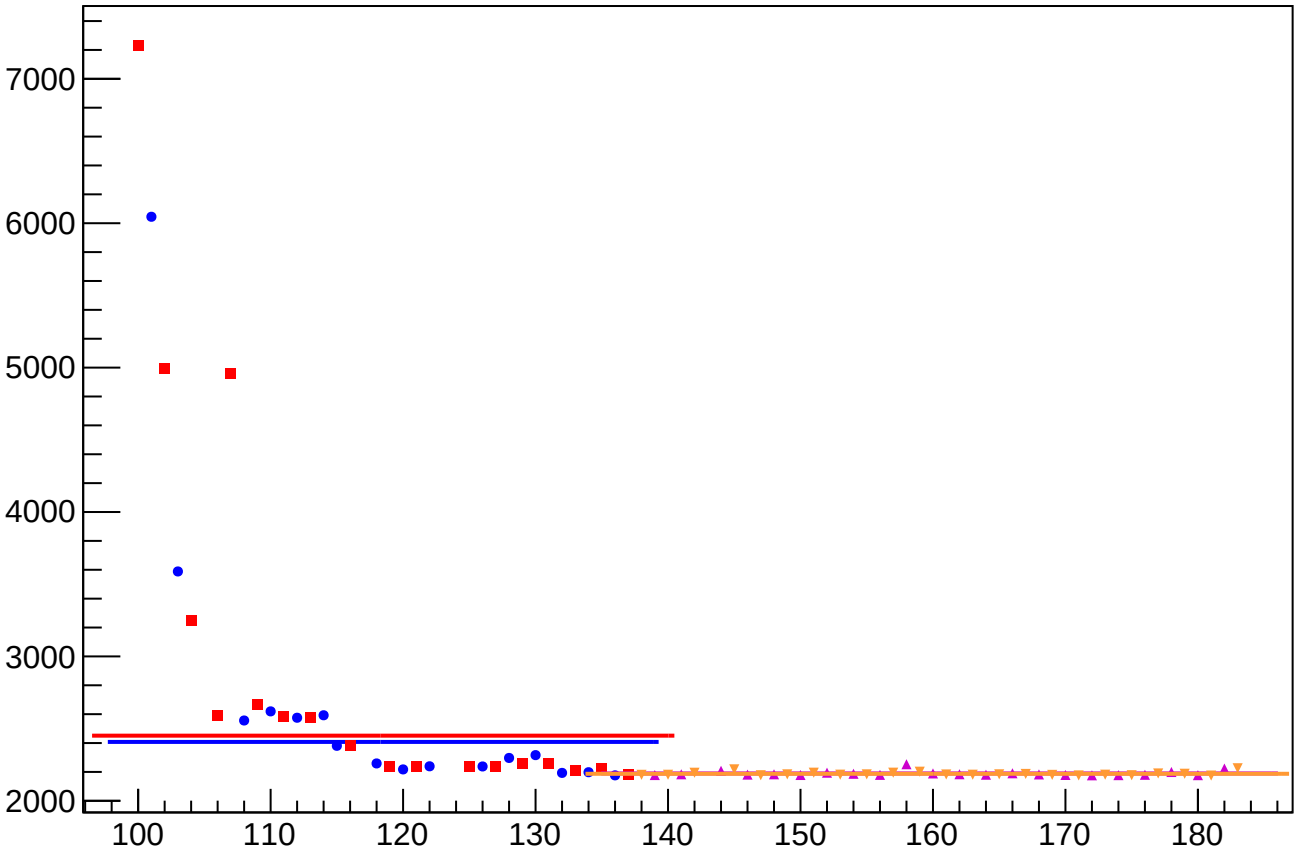
Left: -749.130+/-362.954 χ^2/NDF: 47.9/44

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -596.539+/-449.230 χ^2/NDF:41.1/37

Out: -915.951+/-447.823 χ^2/NDF:35.3/40

All: -756.746+/-317.155 χ^2/NDF: 76.7/78



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2187.100+/-0.361 χ^2/NDF:1188.9/22

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: 2188.335+/-0.257 χ^2/NDF: 3598.4/44

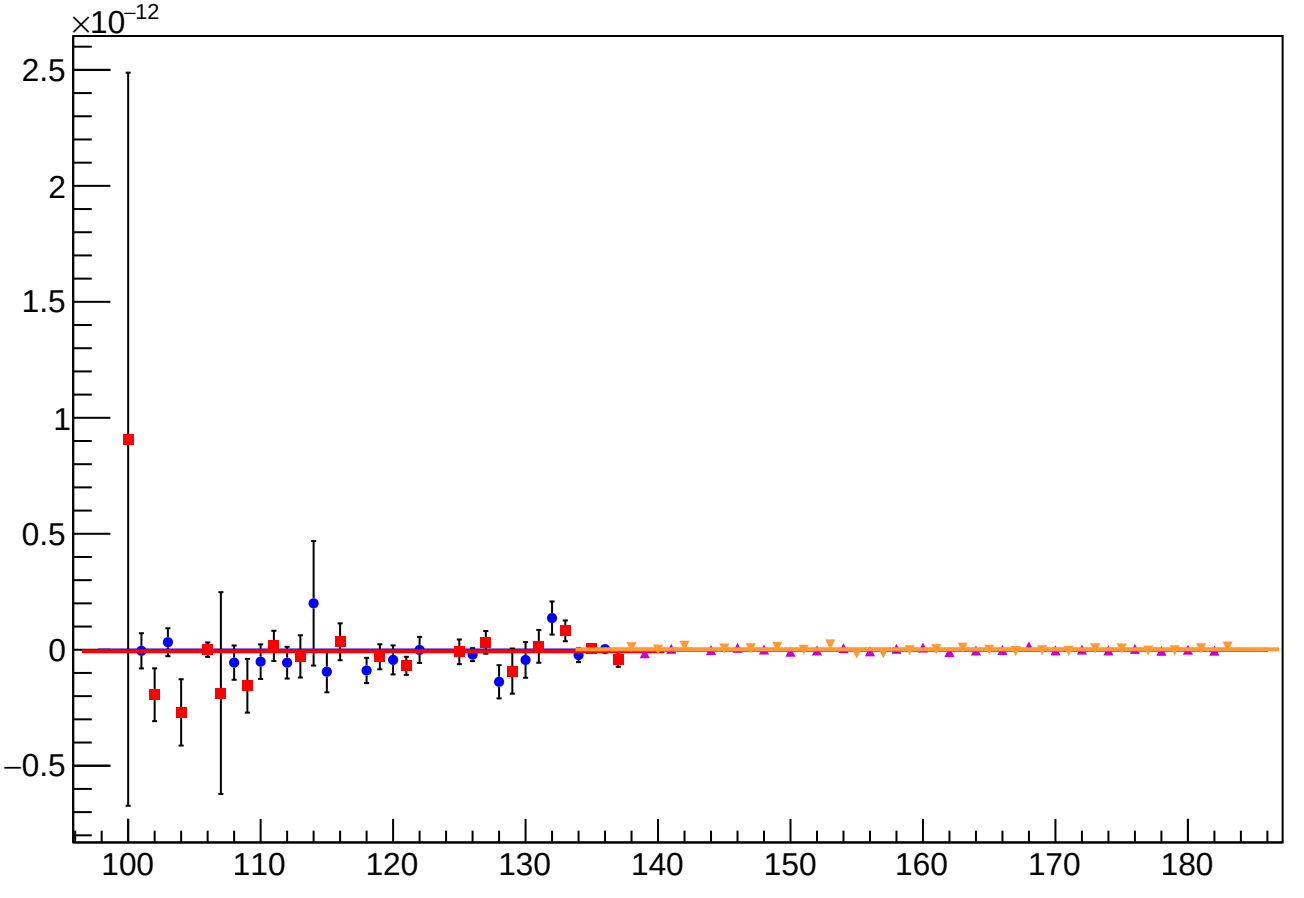
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2242.047+/-0.318 χ^2/NDF:765442.7/37

Out: 2248.506+/-0.317 χ^2/NDF:758910.2/40

All: 2245.287+/-0.224 χ^2/NDF: 1524560.3/78

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:19.4/22

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:13.2/21

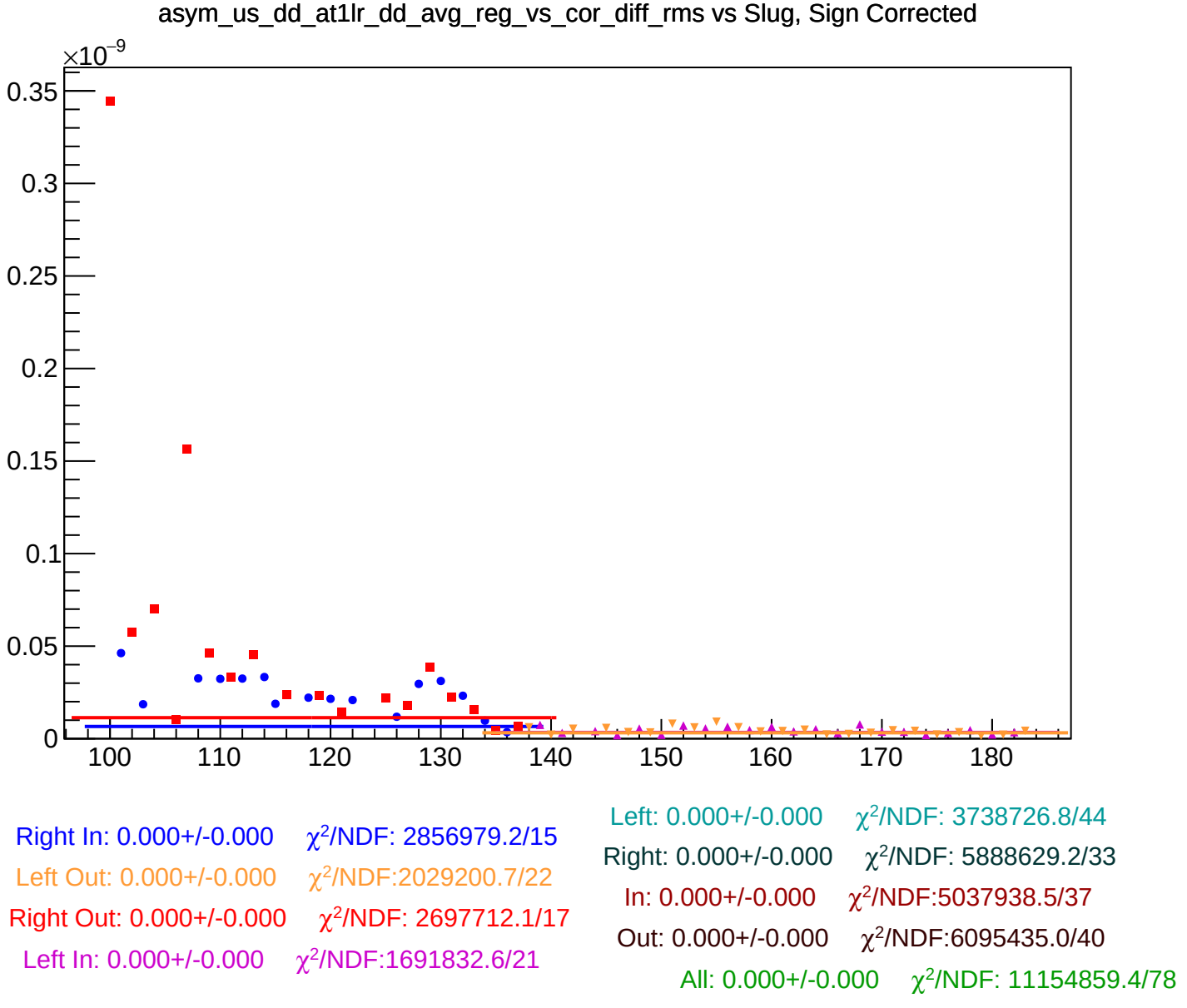
Left: 0.000+/-0.000 χ^2/NDF: 33.6/44

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

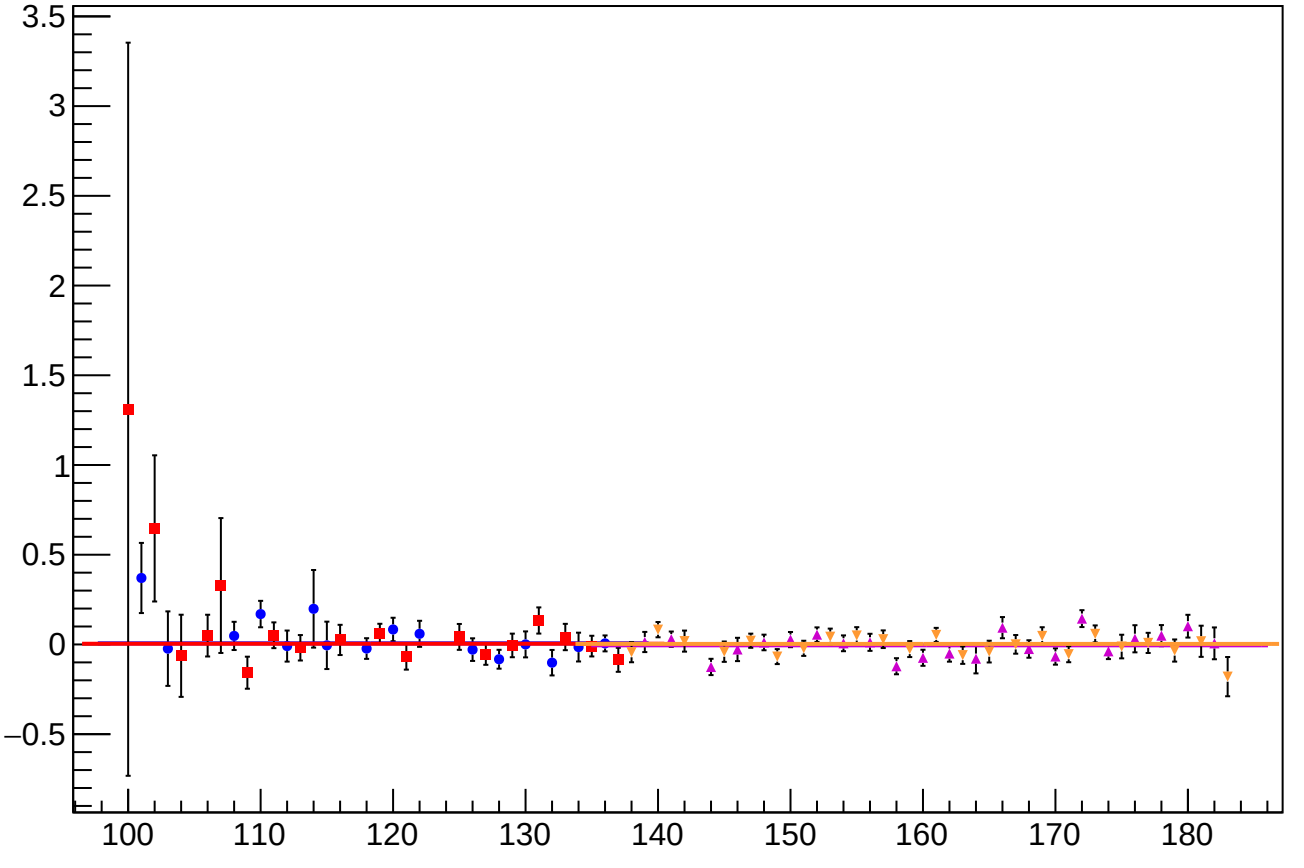
In: -0.000+/-0.000 χ^2/NDF:29.0/37

Out: 0.000+/-0.000 χ^2/NDF:39.0/40

All: 0.000+/-0.000 χ^2/NDF: 69.1/78


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2856979.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2029200.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 2697712.1/17
Left In: 0.000+/-0.000 χ²/NDF:1691832.6/21
Left: 0.000+/-0.000 χ²/NDF: 3738726.8/44
Right: 0.000+/-0.000 χ²/NDF: 5888629.2/33
In: 0.000+/-0.000 χ²/NDF:5037938.5/37
Out: 0.000+/-0.000 χ²/NDF:6095435.0/40
All: 0.000+/-0.000 χ²/NDF: 11154859.4/78

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: 0.003+/-0.010 χ^2/NDF:21.7/22

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: -0.001+/-0.007 χ^2/NDF: 63.3/44

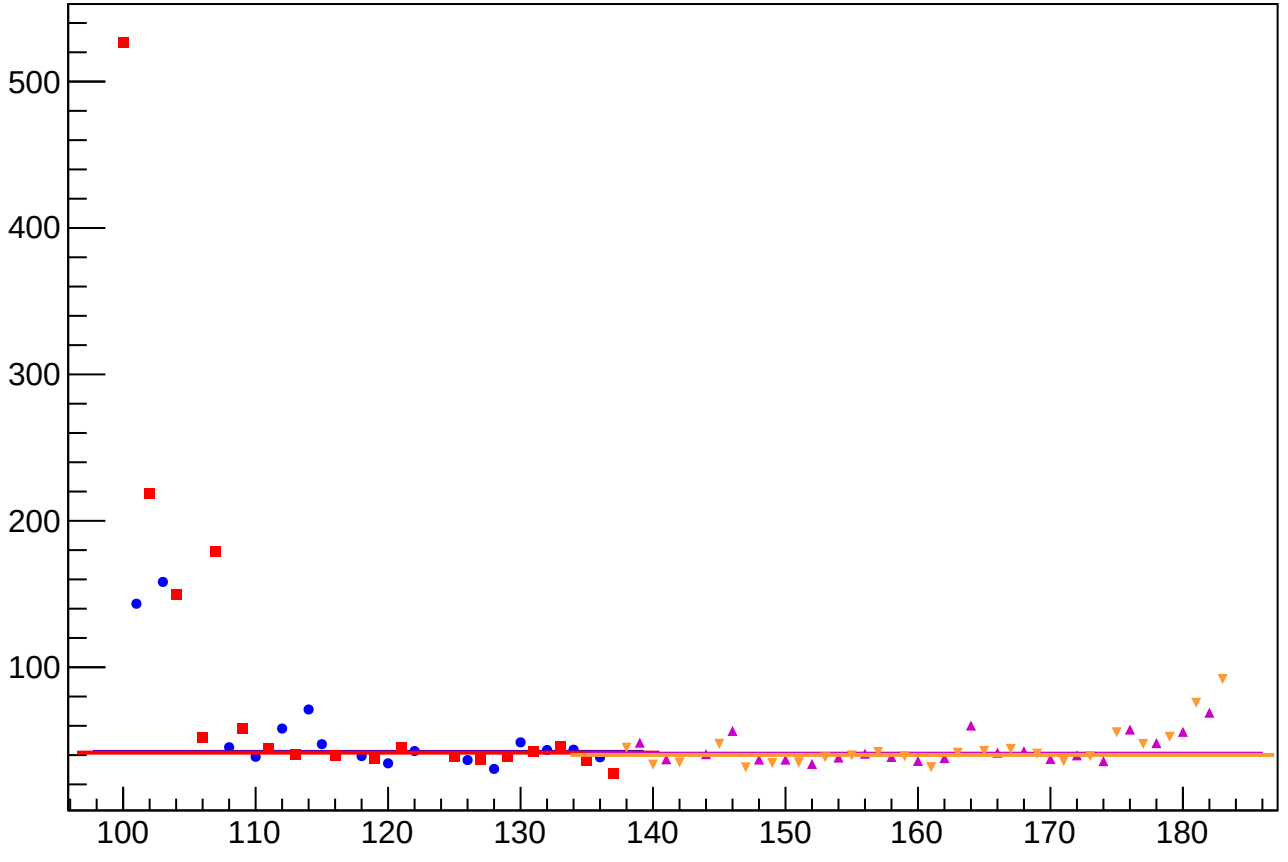
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.9/37

Out: 0.003+/-0.009 χ^2/NDF:37.9/40

All: 0.001+/-0.006 χ^2/NDF: 96.9/78

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: 40.126+/-0.007 χ^2/NDF:1421371.2/22

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: 40.536+/-0.005 χ^2/NDF: 2323670.8/44

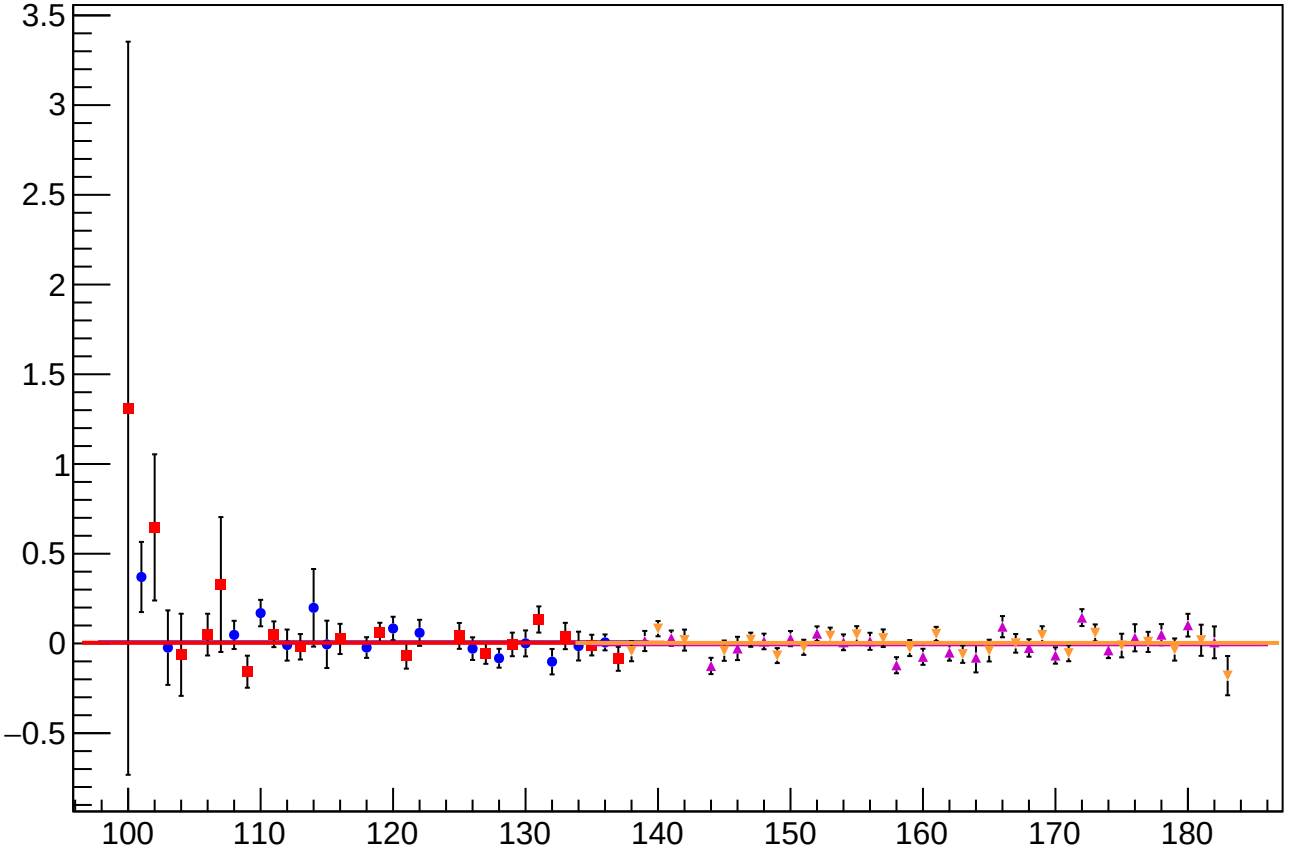
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 41.266+/-0.006 χ^2/NDF:2356826.2/37

Out: 40.500+/-0.006 χ^2/NDF:2873382.2/40

All: 40.879+/-0.005 χ^2/NDF: 5237265.8/78

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: 0.003+/-0.010 χ^2/NDF:21.7/22

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: -0.001+/-0.007 χ^2/NDF: 63.3/44

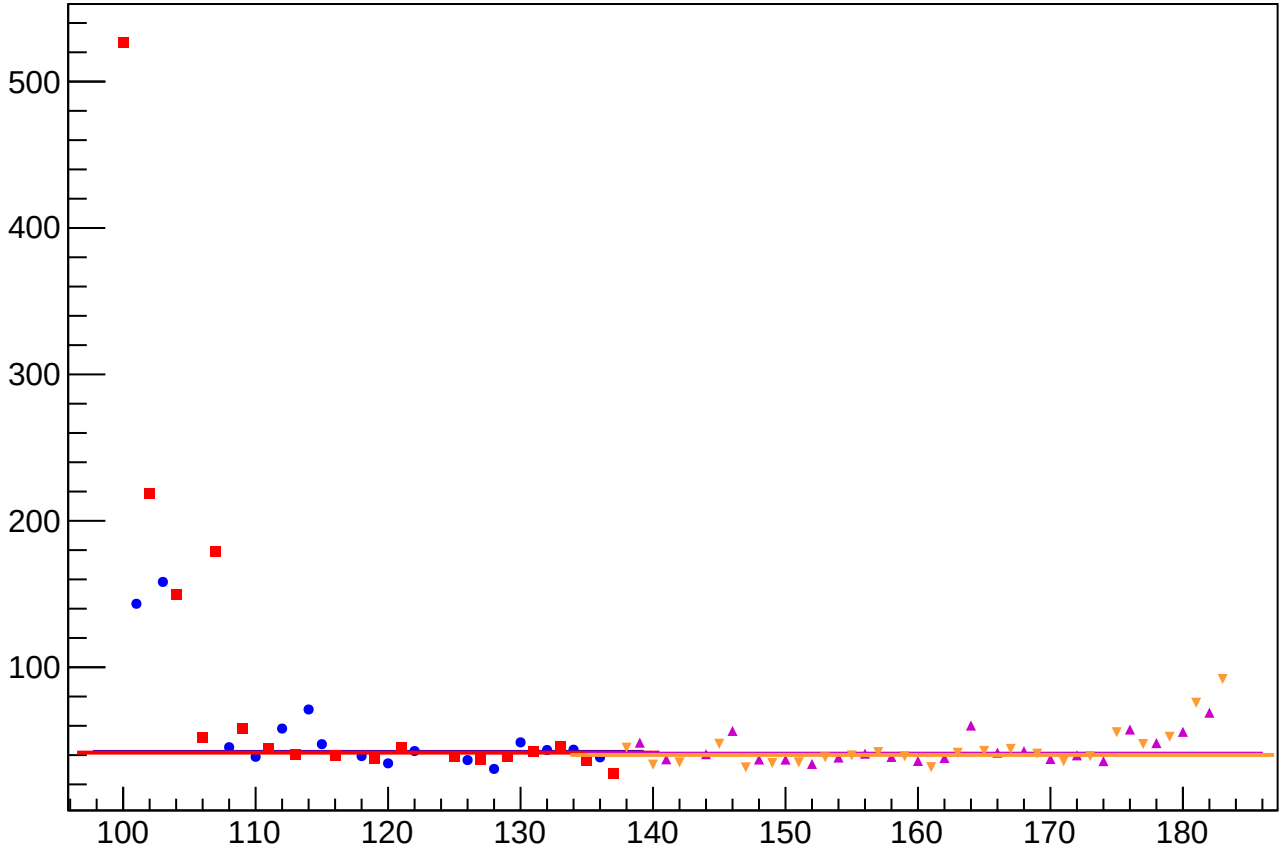
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.9/37

Out: 0.003+/-0.009 χ^2/NDF:37.9/40

All: 0.001+/-0.006 χ^2/NDF: 96.9/78

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: 40.126+/-0.007 χ^2/NDF:1421371.2/22

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: 40.536+/-0.005 χ^2/NDF: 2323670.8/44

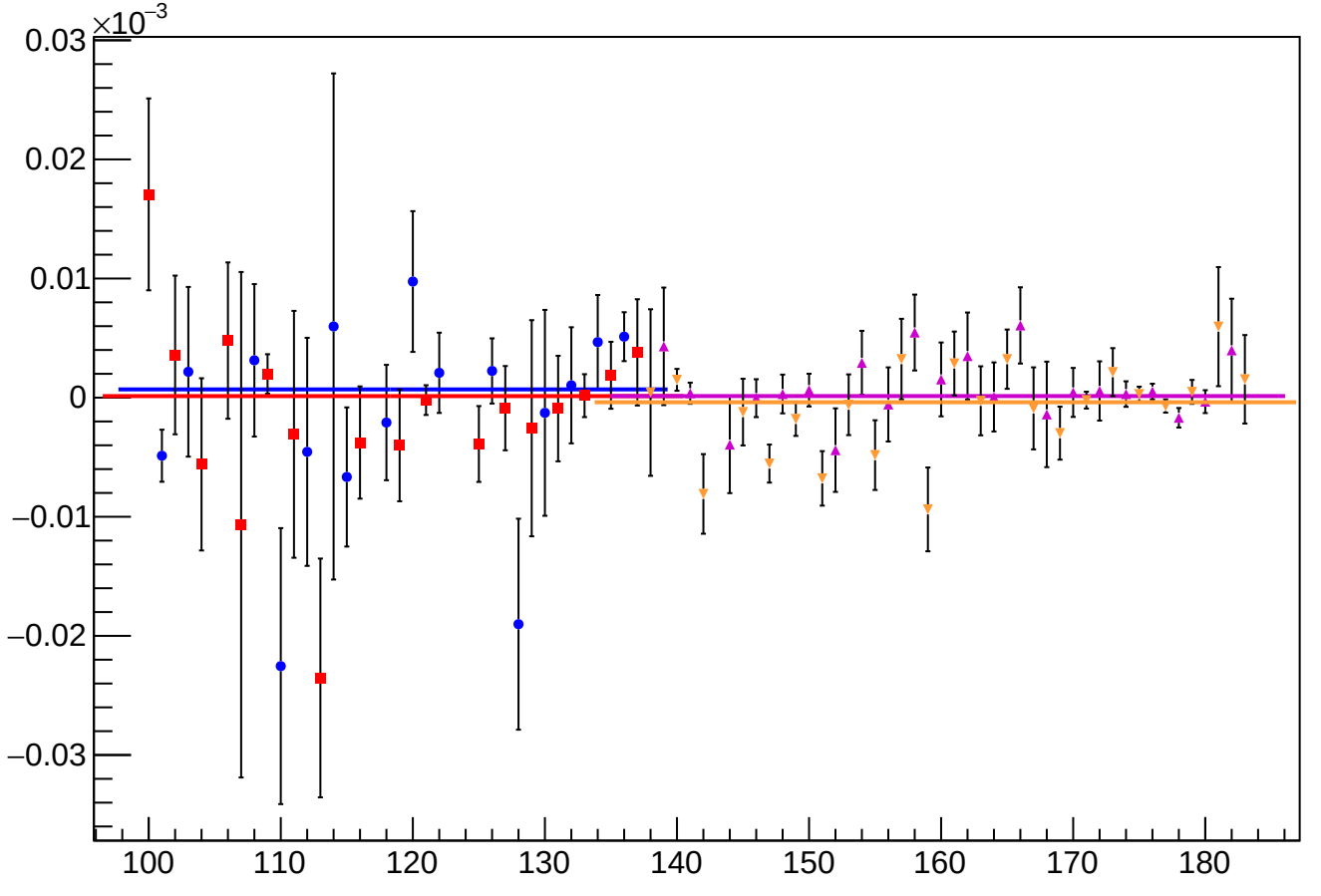
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 41.266+/-0.006 χ^2/NDF:2356826.2/37

Out: 40.500+/-0.006 χ^2/NDF:2873382.2/40

All: 40.879+/-0.005 χ^2/NDF: 5237265.8/78

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:49.6/22

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: 69.6/44

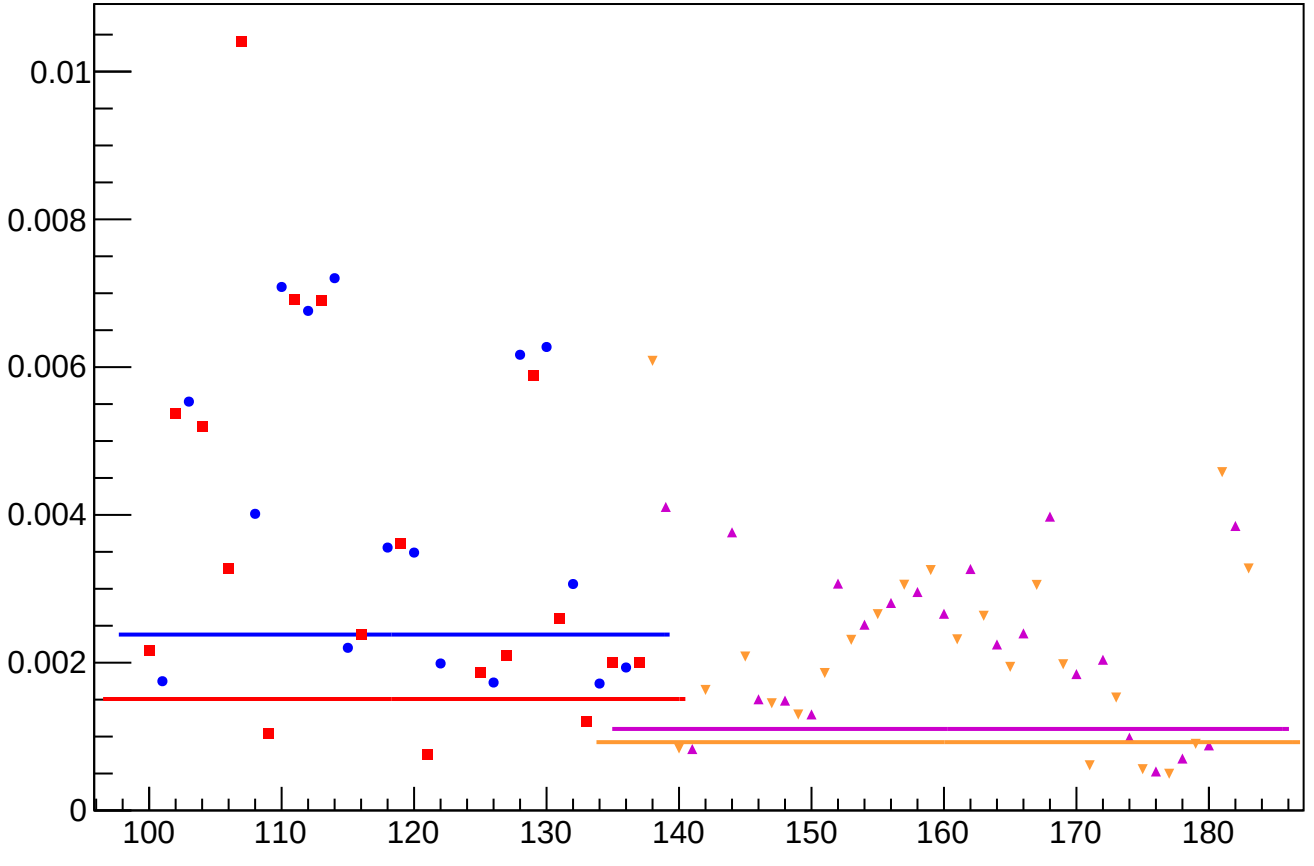
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:45.3/37

Out: -0.000+/-0.000 χ^2/NDF:67.5/40

All: -0.000+/-0.000 χ^2/NDF: 114.3/78

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:12310495.3/22

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: 23362119.2/44

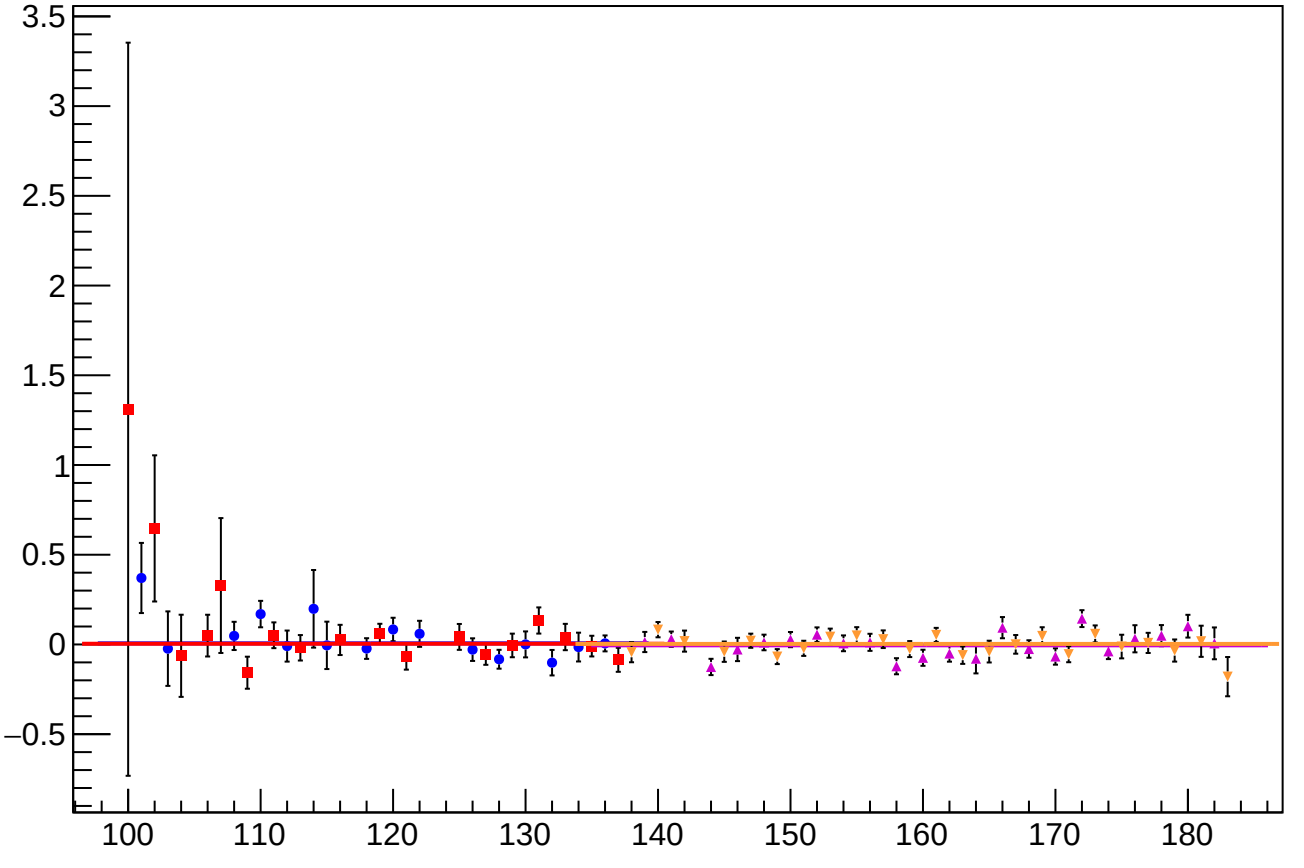
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.001+/-0.000 χ^2/NDF:16396799.5/37

Out: 0.001+/-0.000 χ^2/NDF:18454099.3/40

All: 0.001+/-0.000 χ^2/NDF: 35440961.8/78

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: 0.003+/-0.010 χ^2/NDF:21.7/22

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: -0.001+/-0.007 χ^2/NDF: 63.3/44

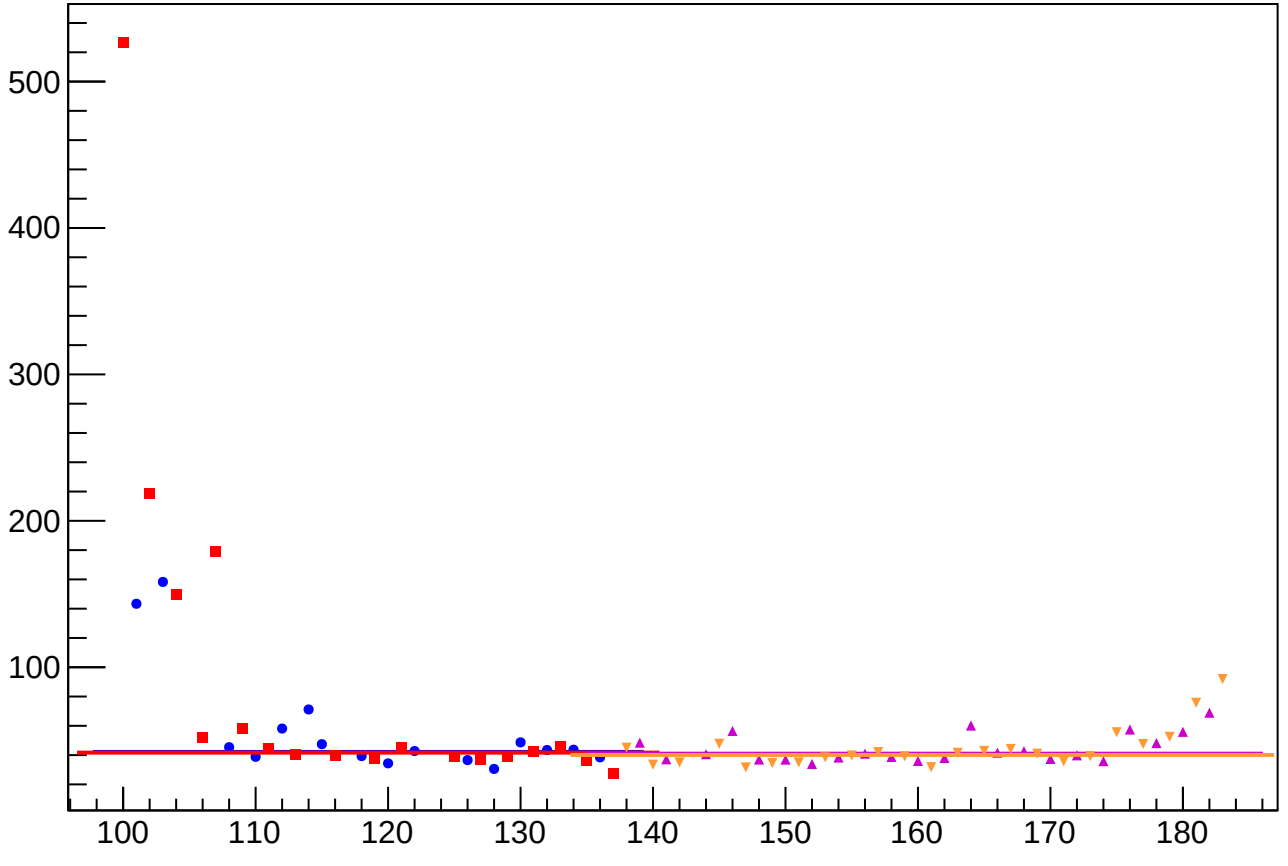
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.8/37

Out: 0.003+/-0.009 χ^2/NDF:37.9/40

All: 0.001+/-0.006 χ^2/NDF: 96.9/78

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: 40.126+/-0.007 χ^2/NDF:1421349.4/22

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: 40.536+/-0.005 χ^2/NDF: 2323673.4/44

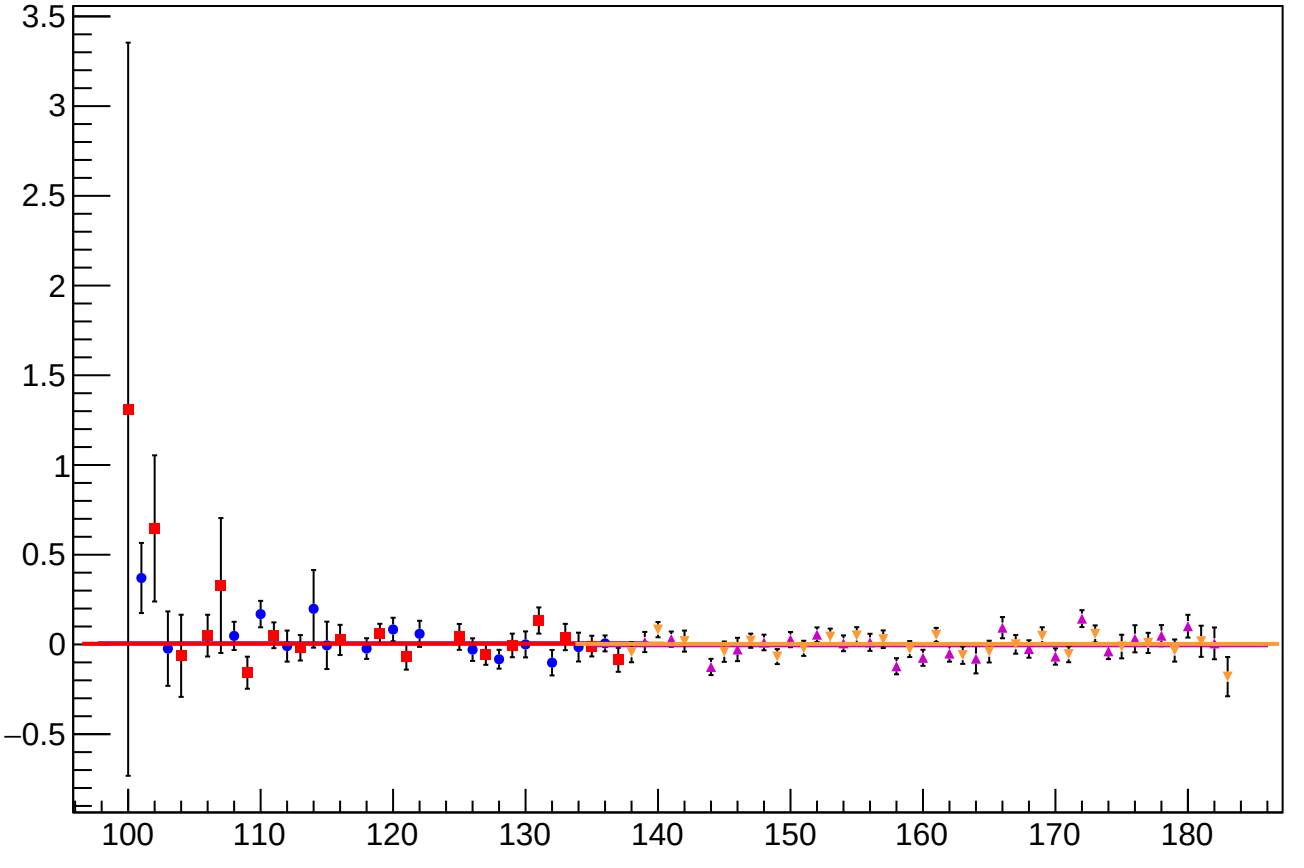
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.265+/-0.006 χ^2/NDF:2357040.3/37

Out: 40.500+/-0.006 χ^2/NDF:2873345.8/40

All: 40.879+/-0.005 χ^2/NDF: 5237428.9/78

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: 0.003+/-0.010 χ^2/NDF:21.7/22

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: -0.001+/-0.007 χ^2/NDF: 63.3/44

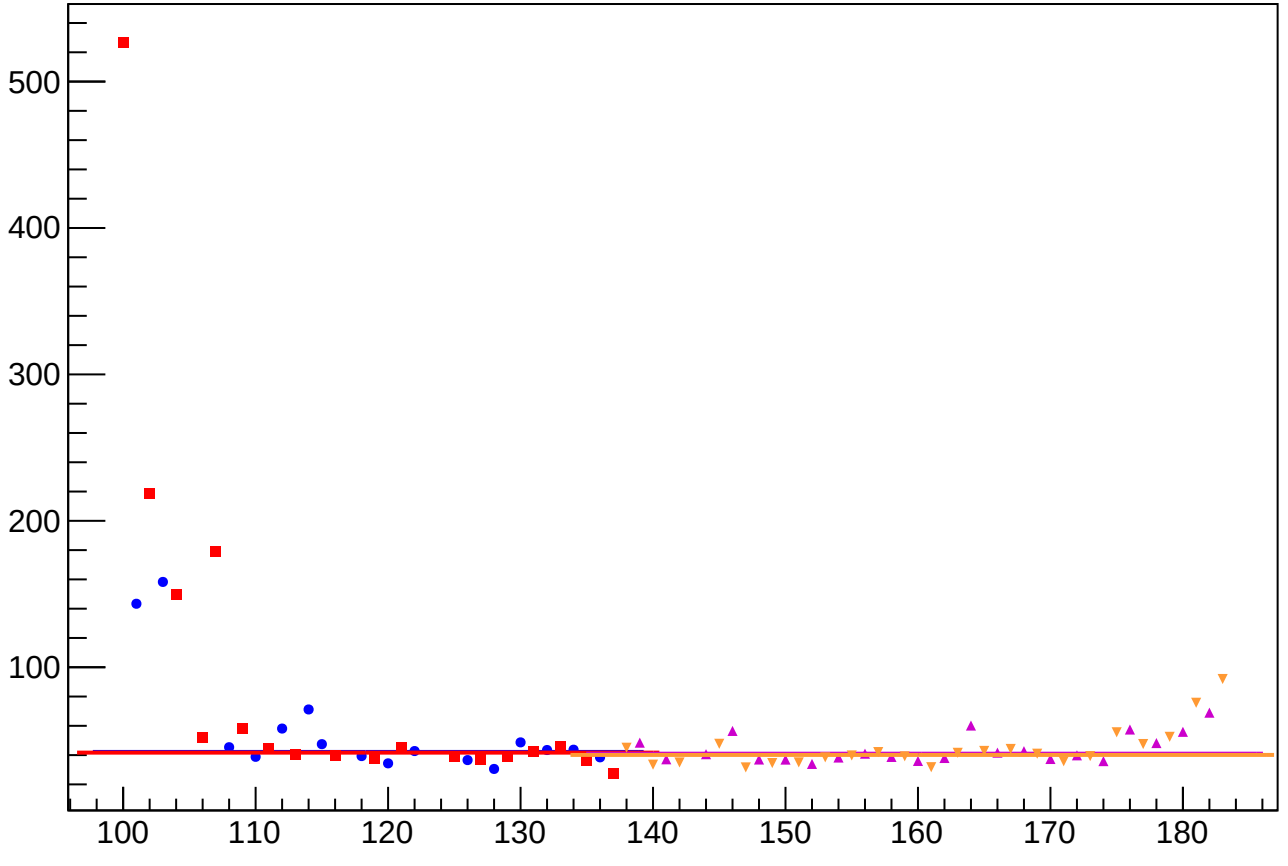
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.8/37

Out: 0.003+/-0.009 χ^2/NDF:37.9/40

All: 0.001+/-0.006 χ^2/NDF: 96.9/78

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: 40.126+/-0.007 χ^2/NDF:1421349.4/22

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: 40.536+/-0.005 χ^2/NDF: 2323673.4/44

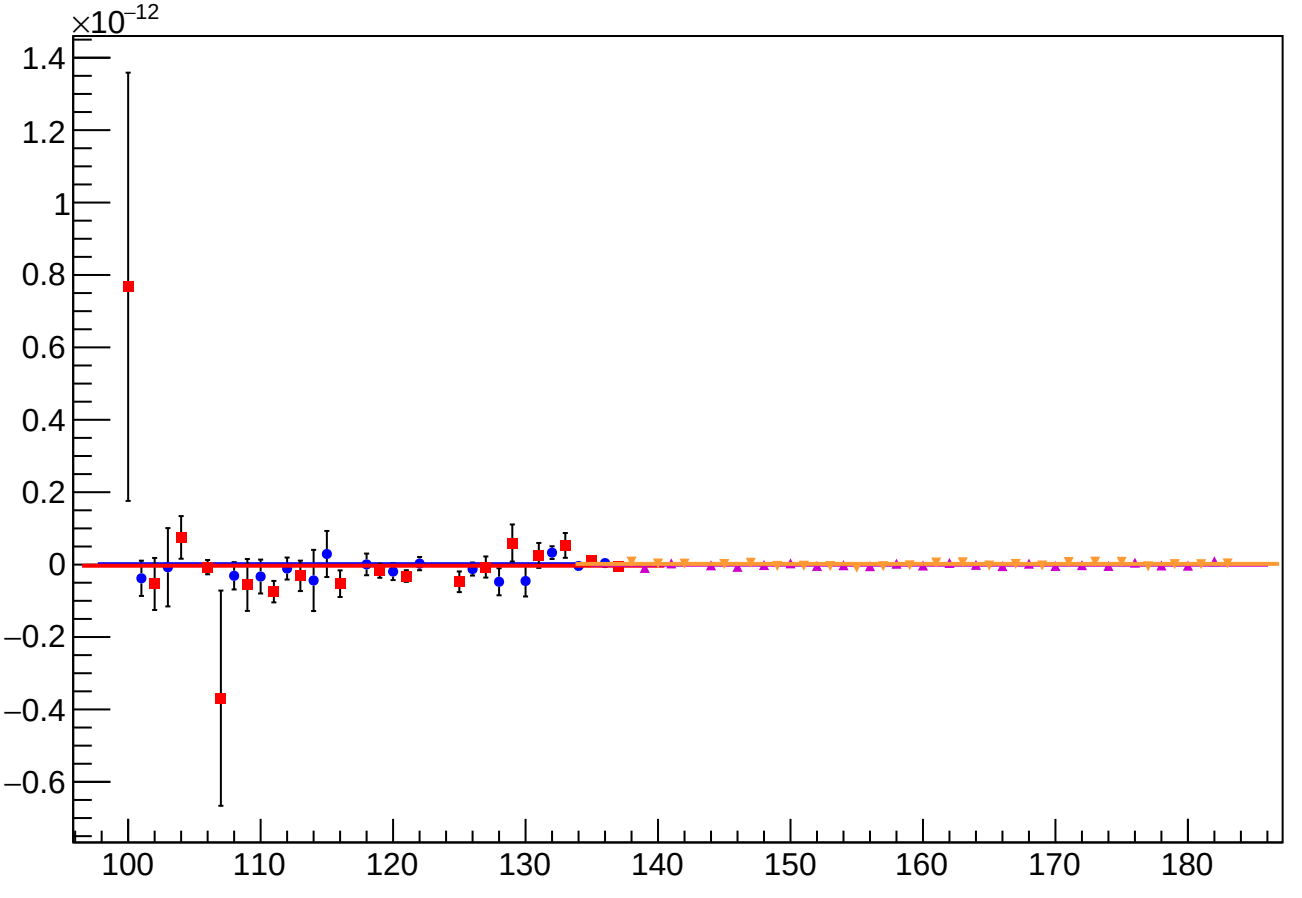
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.265+/-0.006 χ^2/NDF:2357040.3/37

Out: 40.500+/-0.006 χ^2/NDF:2873345.8/40

All: 40.879+/-0.005 χ^2/NDF: 5237428.9/78

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:24.9/22

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

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

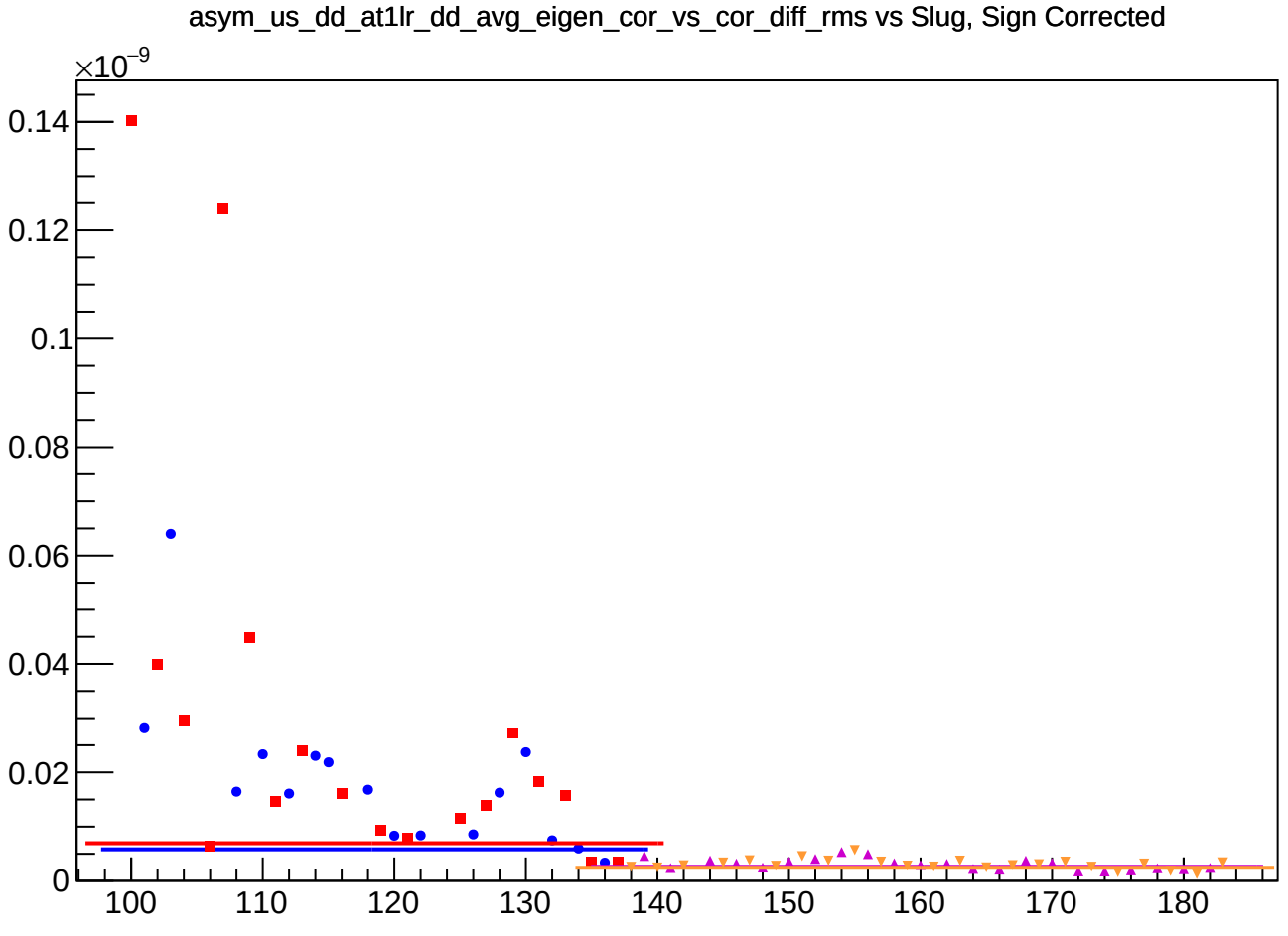
Left: 0.000+/-0.000 χ^2/NDF: 51.6/44

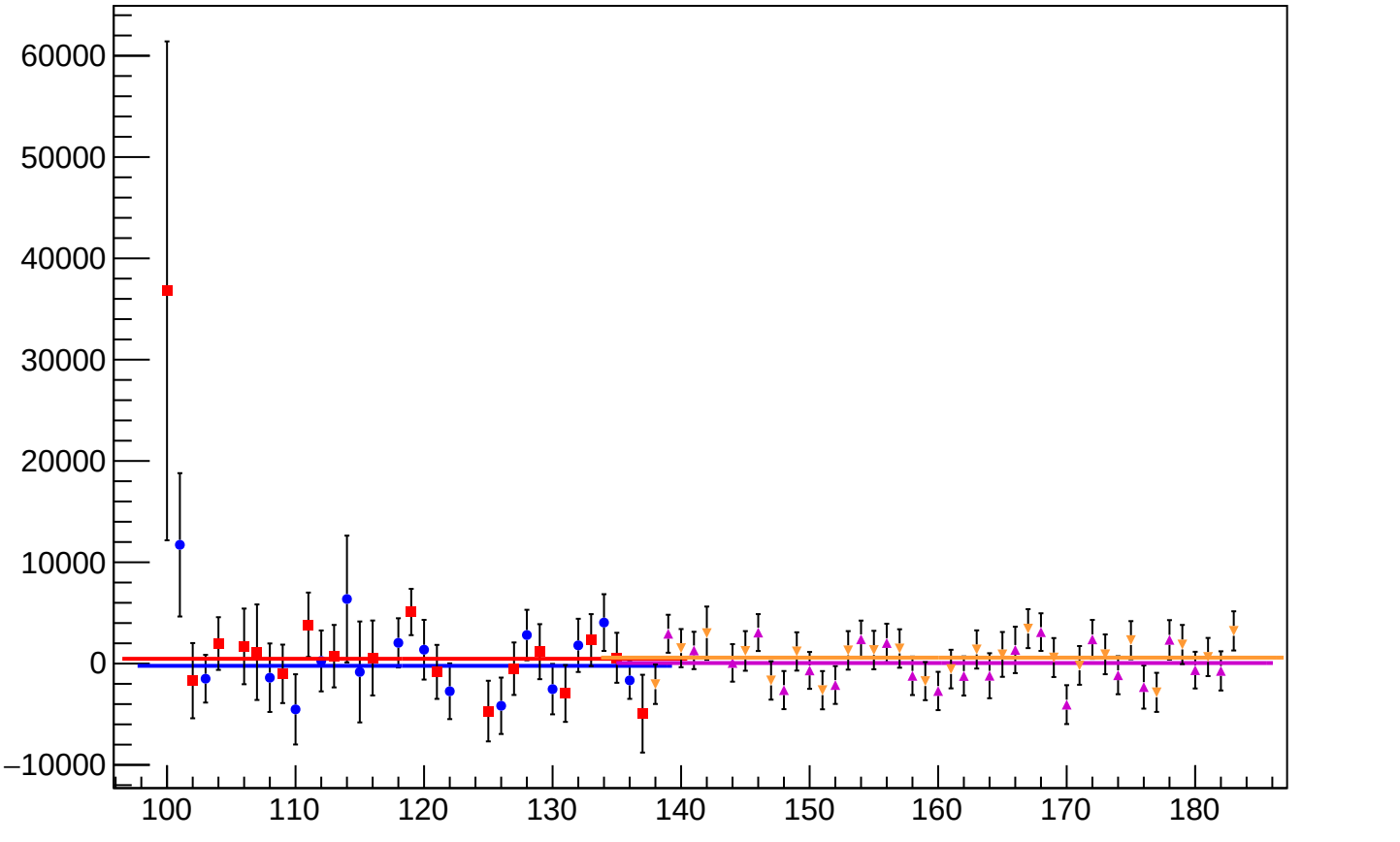
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:33.5/37

Out: 0.000+/-0.000 χ^2/NDF:54.9/40

All: 0.000+/-0.000 χ^2/NDF: 91.7/78


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2590555.9/22
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:1810472.8/21
Left: 0.000+/-0.000 χ²/NDF: 4450206.2/44
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:6390566.0/37
Out: 0.000+/-0.000 χ²/NDF:8150450.1/40
All: 0.000+/-0.000 χ²/NDF: 14602687.8/78



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 588.413+/-404.591 χ^2/NDF:18.8/22

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 53.637+/-408.011 χ^2/NDF:27.5/21

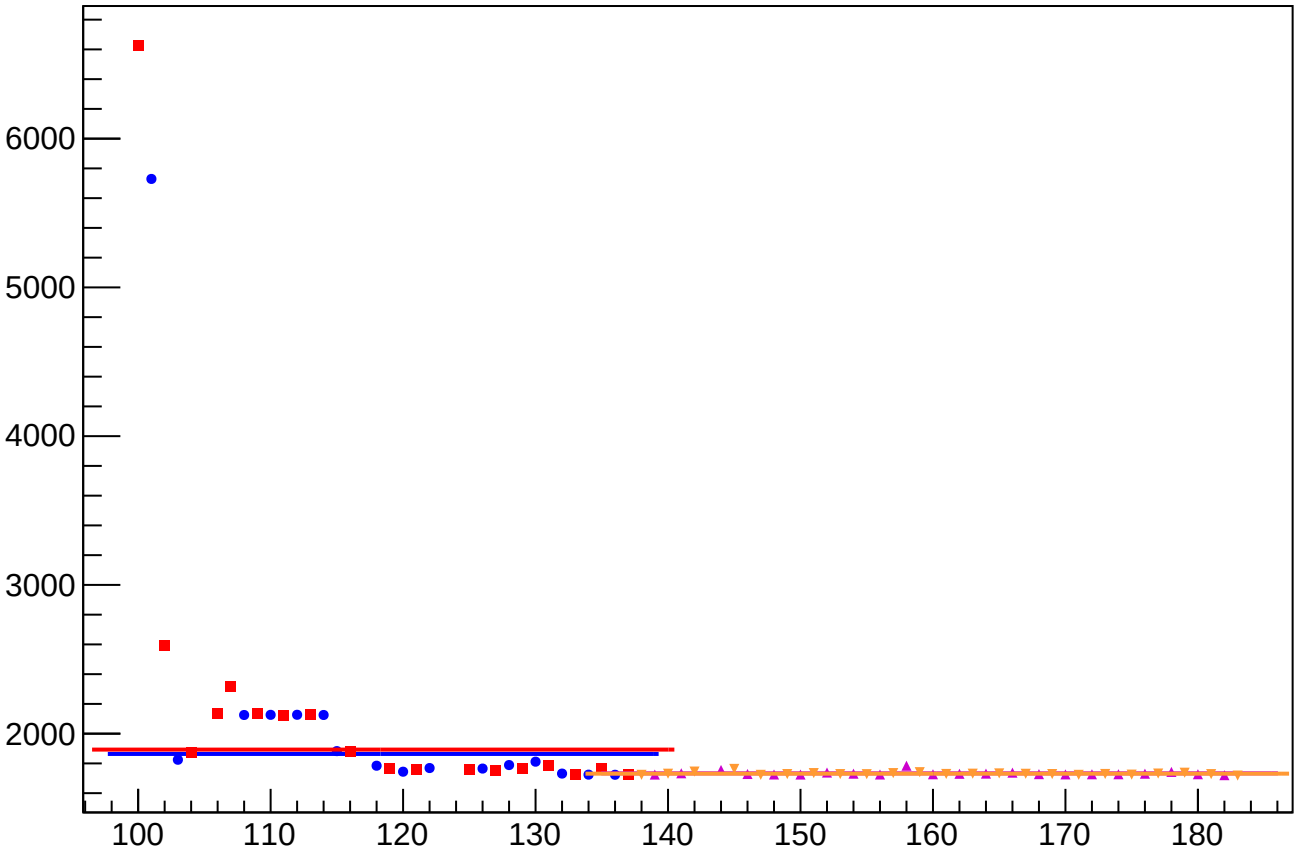
Left: 323.276+/-287.291 χ^2/NDF: 47.2/44

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: -15.158+/-353.654 χ^2/NDF:43.5/37

Out: 560.067+/-351.701 χ^2/NDF:34.6/40

All: 274.046+/-249.378 χ^2/NDF: 79.5/78



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1731.058+/-0.286 χ^2/NDF:931.3/22

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: 1732.145+/-0.203 χ^2/NDF: 3154.5/44

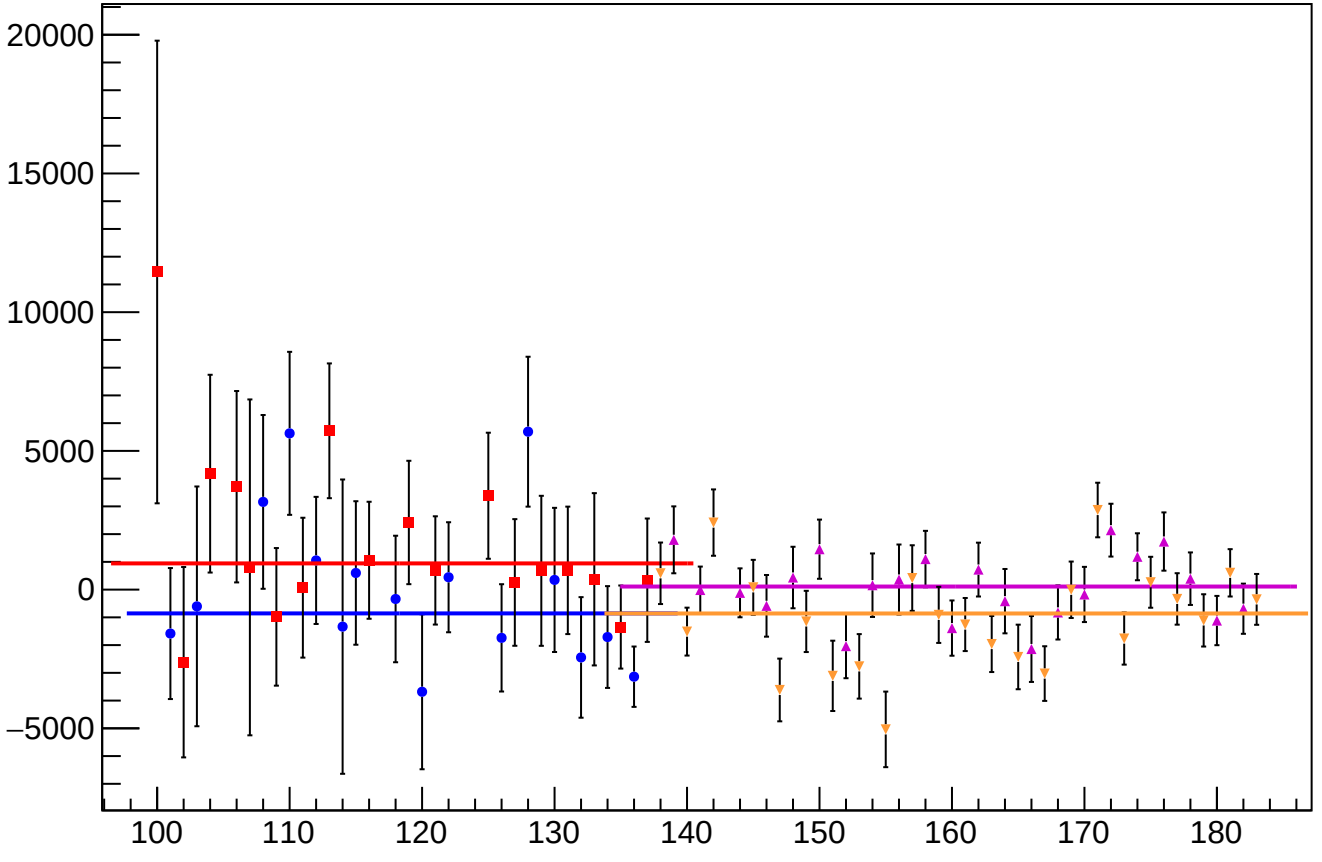
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1765.664+/-0.250 χ^2/NDF:727611.6/37

Out: 1770.598+/-0.249 χ^2/NDF:330611.1/40

All: 1768.145+/-0.176 χ^2/NDF: 1058418.5/78

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: -860.408+/-212.770 χ^2/NDF:62.3/22

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: -380.422+/-151.322 χ^2/NDF: 99.9/44

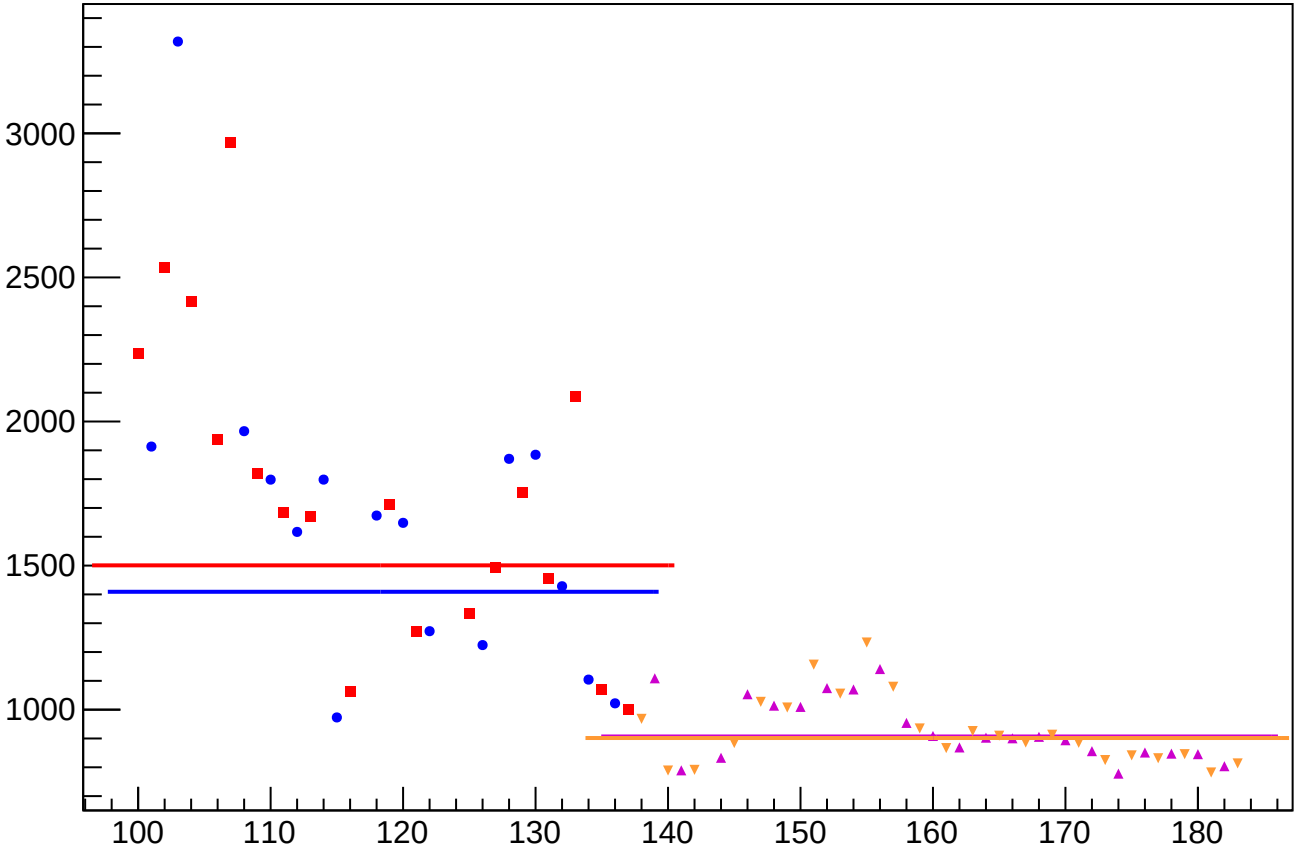
Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -17.836+/-200.441 χ^2/NDF:50.6/37

Out: -648.856+/-199.914 χ^2/NDF:83.6/40

All: -334.177+/-141.546 χ^2/NDF: 139.2/78

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 901.629+/-0.150 χ^2/NDF:487195.0/22

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 906.965+/-0.152 χ^2/NDF:441377.9/21

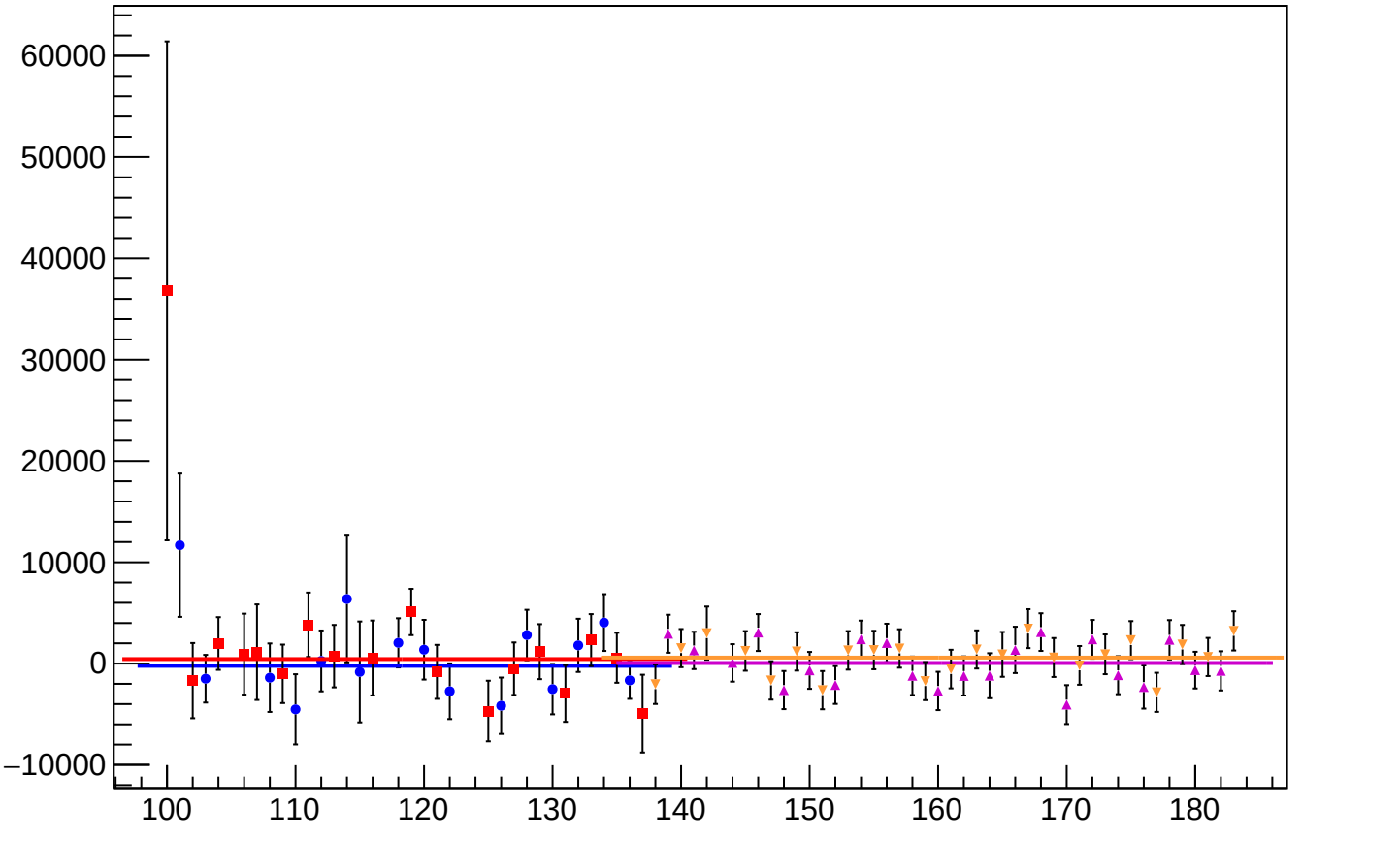
Left: 904.266+/-0.107 χ^2/NDF: 929194.6/44

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 973.706+/-0.142 χ^2/NDF:3055621.0/37

Out: 971.849+/-0.141 χ^2/NDF:3376710.6/40

All: 972.775+/-0.100 χ^2/NDF: 6432417.6/78



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 588.458+/-404.591 χ^2/NDF:18.8/22

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 53.674+/-408.011 χ^2/NDF:27.5/21

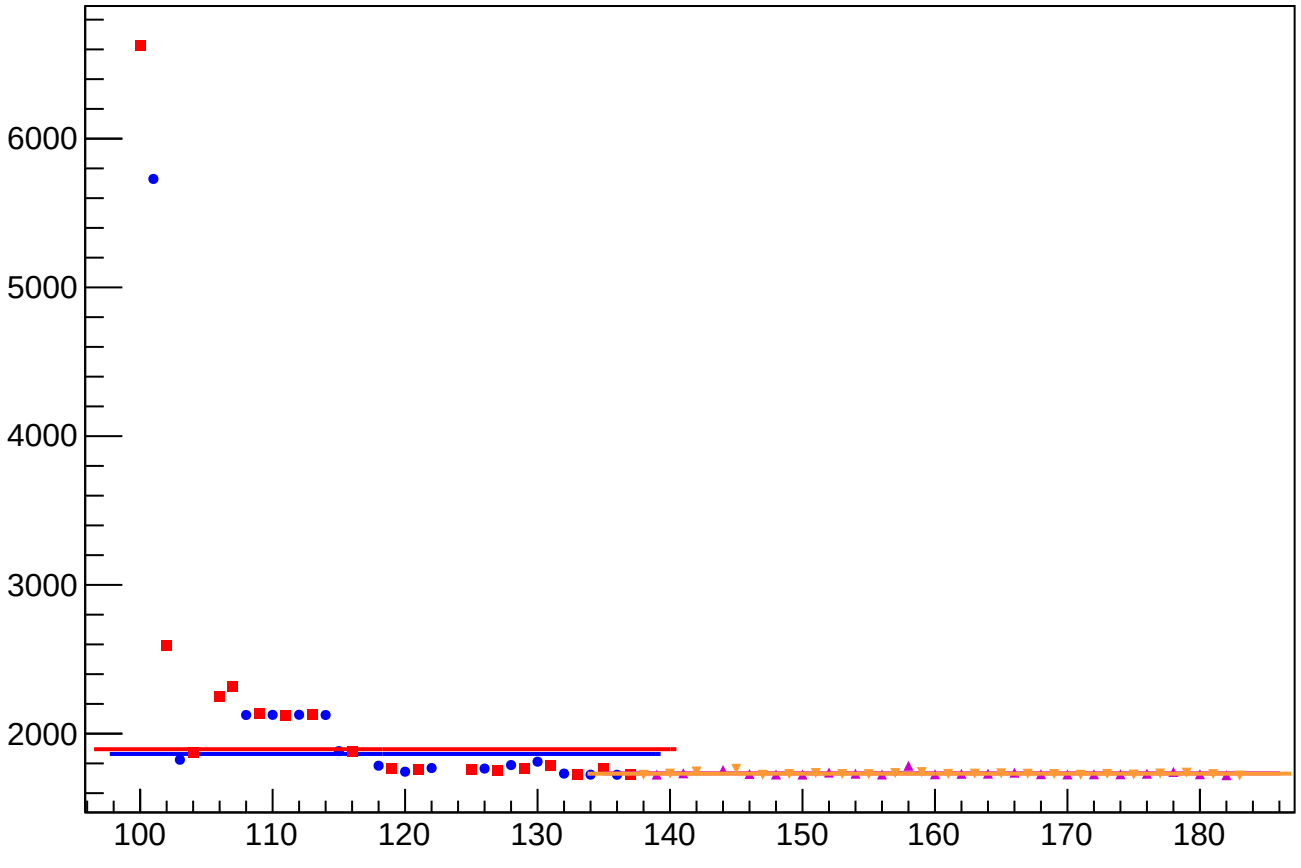
Left: 323.317+/-287.291 χ^2/NDF: 47.2/44

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -15.323+/-353.654 χ^2/NDF:43.5/37

Out: 553.042+/-351.897 χ^2/NDF:34.6/40

All: 270.275+/-249.447 χ^2/NDF: 79.3/78



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.058+/-0.286 χ^2/NDF:931.3/22

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.251+/-0.289 χ^2/NDF:2194.1/21

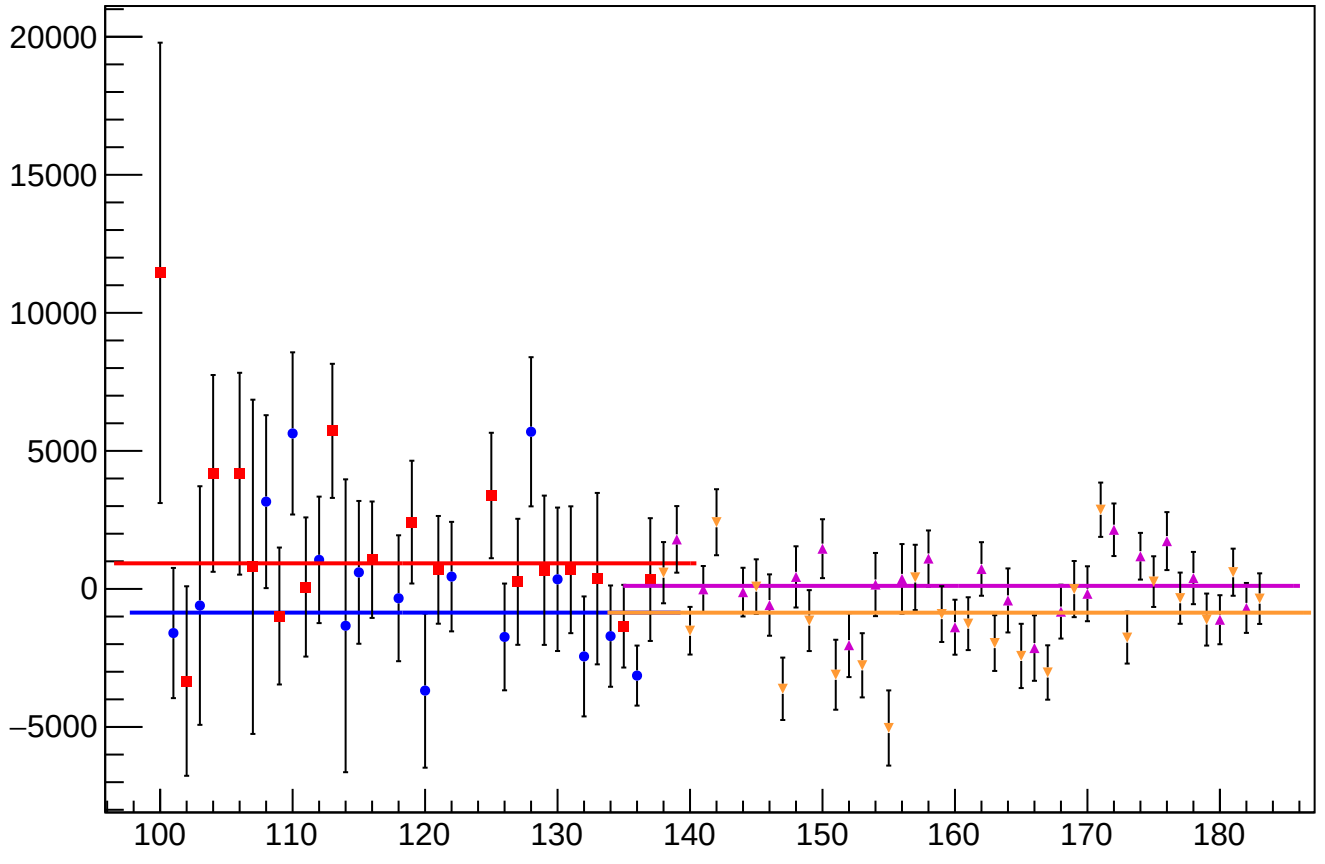
Left: 1732.145+/-0.203 χ^2/NDF: 3154.5/44

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1765.664+/-0.250 χ^2/NDF:727611.5/37

Out: 1771.101+/-0.249 χ^2/NDF:340549.7/40

All: 1768.396+/-0.176 χ^2/NDF: 1068398.7/78



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -860.392+/-212.771 χ^2/NDF:62.3/22

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 110.871+/-215.255 χ^2/NDF:27.3/21

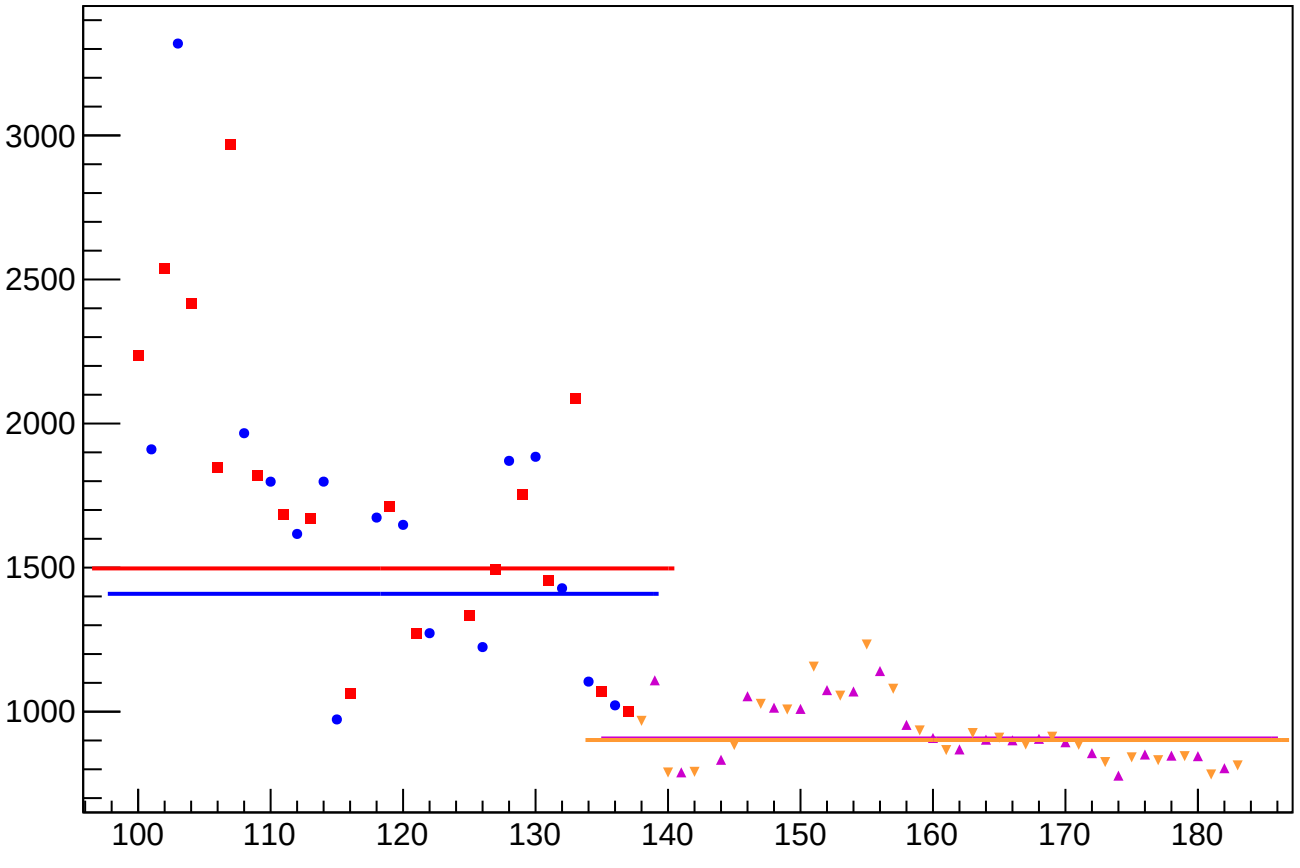
Left: -380.398+/-151.322 χ^2/NDF: 99.9/44

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -17.939+/-200.438 χ^2/NDF:50.6/37

Out: -651.476+/-199.951 χ^2/NDF:84.1/40

All: -335.478+/-141.559 χ^2/NDF: 139.7/78



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 901.632+/-0.150 χ^2/NDF:487144.5/22

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 906.961+/-0.152 χ^2/NDF:441394.0/21

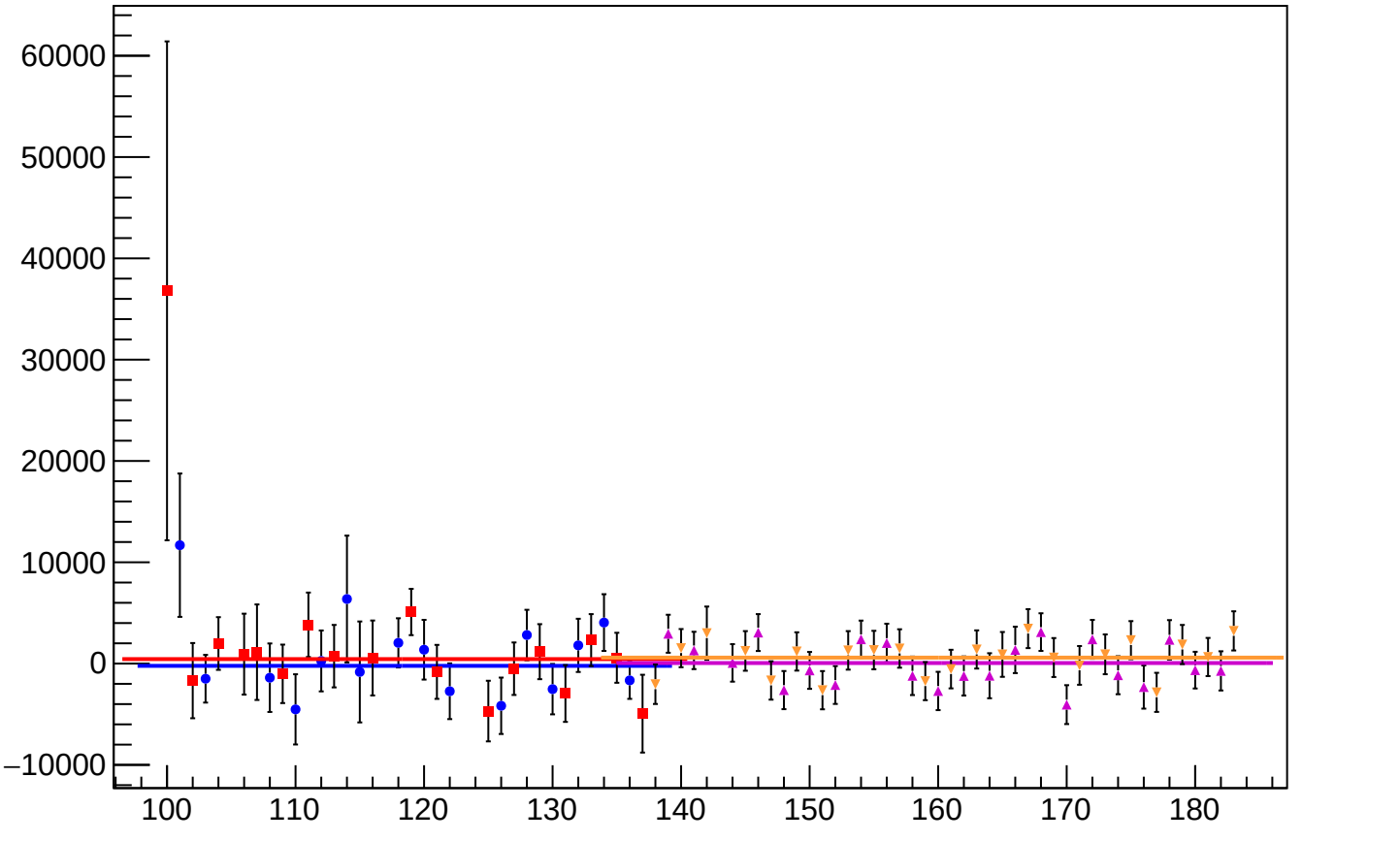
Left: 904.265+/-0.107 χ^2/NDF: 929158.6/44

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 973.701+/-0.142 χ^2/NDF:3054770.9/37

Out: 971.230+/-0.141 χ^2/NDF:3336316.2/40

All: 972.462+/-0.100 χ^2/NDF: 6391239.5/78



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 588.458+/-404.591 χ^2/NDF:18.8/22

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 53.674+/-408.011 χ^2/NDF:27.5/21

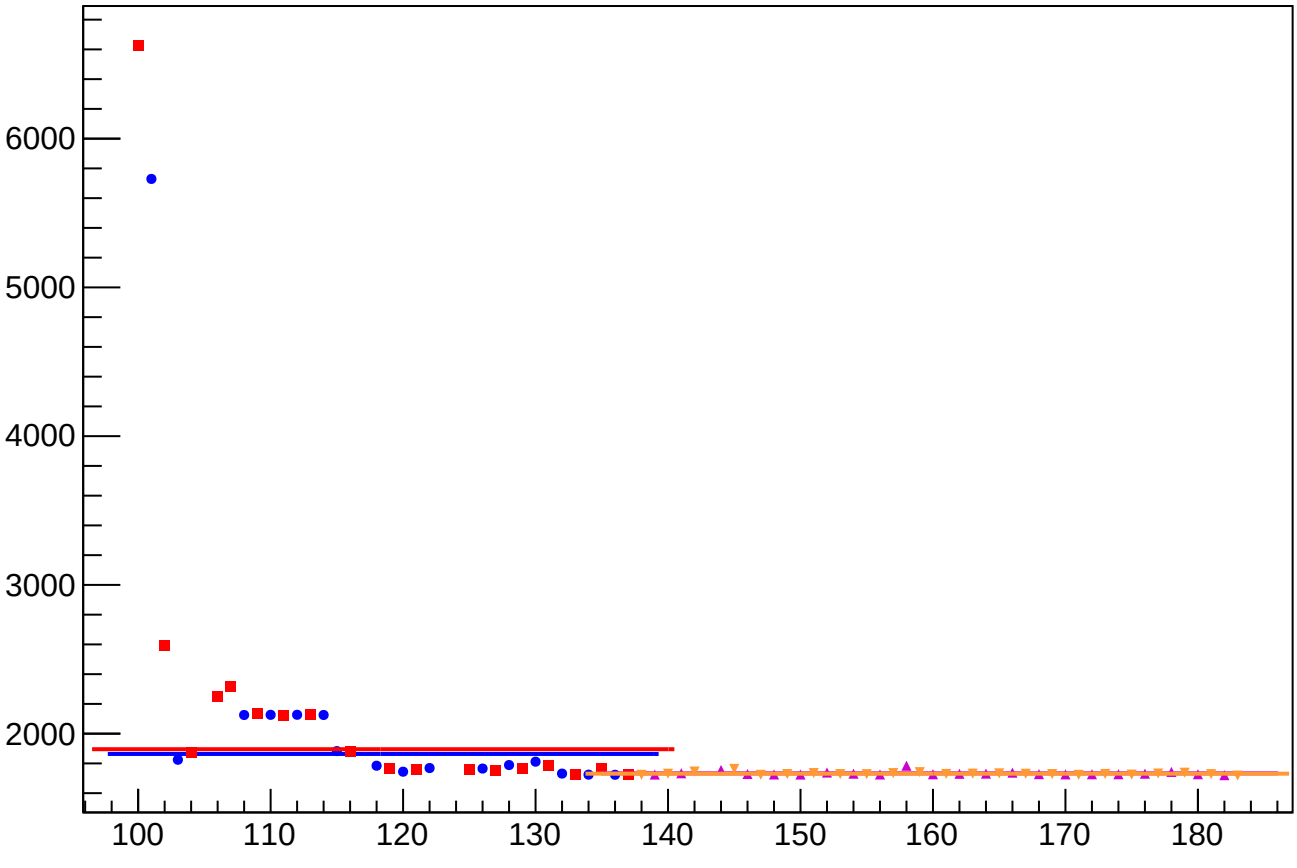
Left: 323.317+/-287.291 χ^2/NDF: 47.2/44

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -15.323+/-353.654 χ^2/NDF:43.5/37

Out: 553.042+/-351.897 χ^2/NDF:34.6/40

All: 270.275+/-249.447 χ^2/NDF: 79.3/78



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.058+/-0.286 χ^2/NDF:931.3/22

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: 1732.145+/-0.203 χ^2/NDF: 3154.5/44

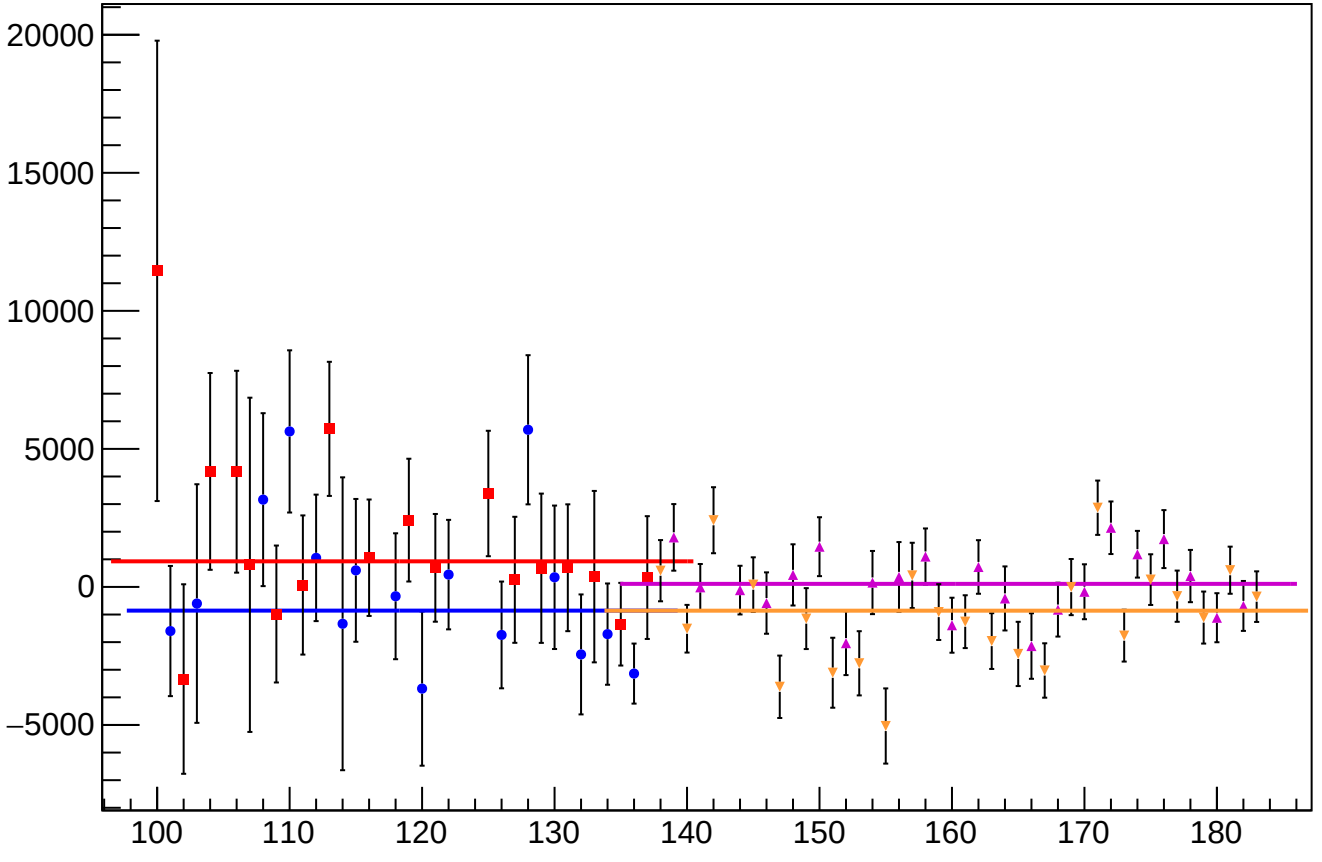
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1765.664+/-0.250 χ^2/NDF:727611.5/37

Out: 1771.101+/-0.249 χ^2/NDF:340549.7/40

All: 1768.396+/-0.176 χ^2/NDF: 1068398.7/78

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: -860.392+/-212.771 χ^2/NDF:62.3/22

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: -380.398+/-151.322 χ^2/NDF: 99.9/44

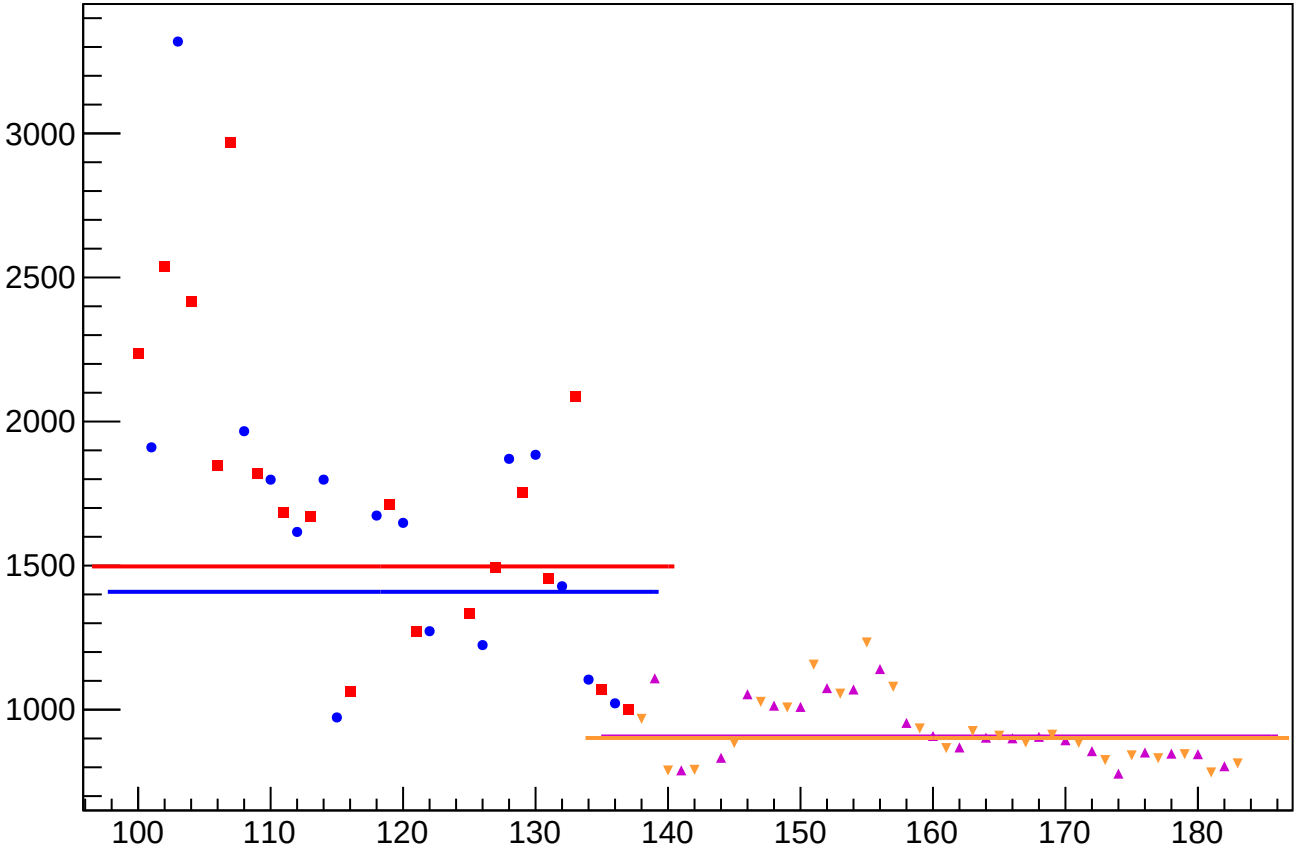
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -17.939+/-200.438 χ^2/NDF:50.6/37

Out: -651.476+/-199.951 χ^2/NDF:84.1/40

All: -335.478+/-141.559 χ^2/NDF: 139.7/78

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: 901.632+/-0.150 χ^2/NDF:487144.5/22

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 906.961+/-0.152 χ^2/NDF:441394.0/21

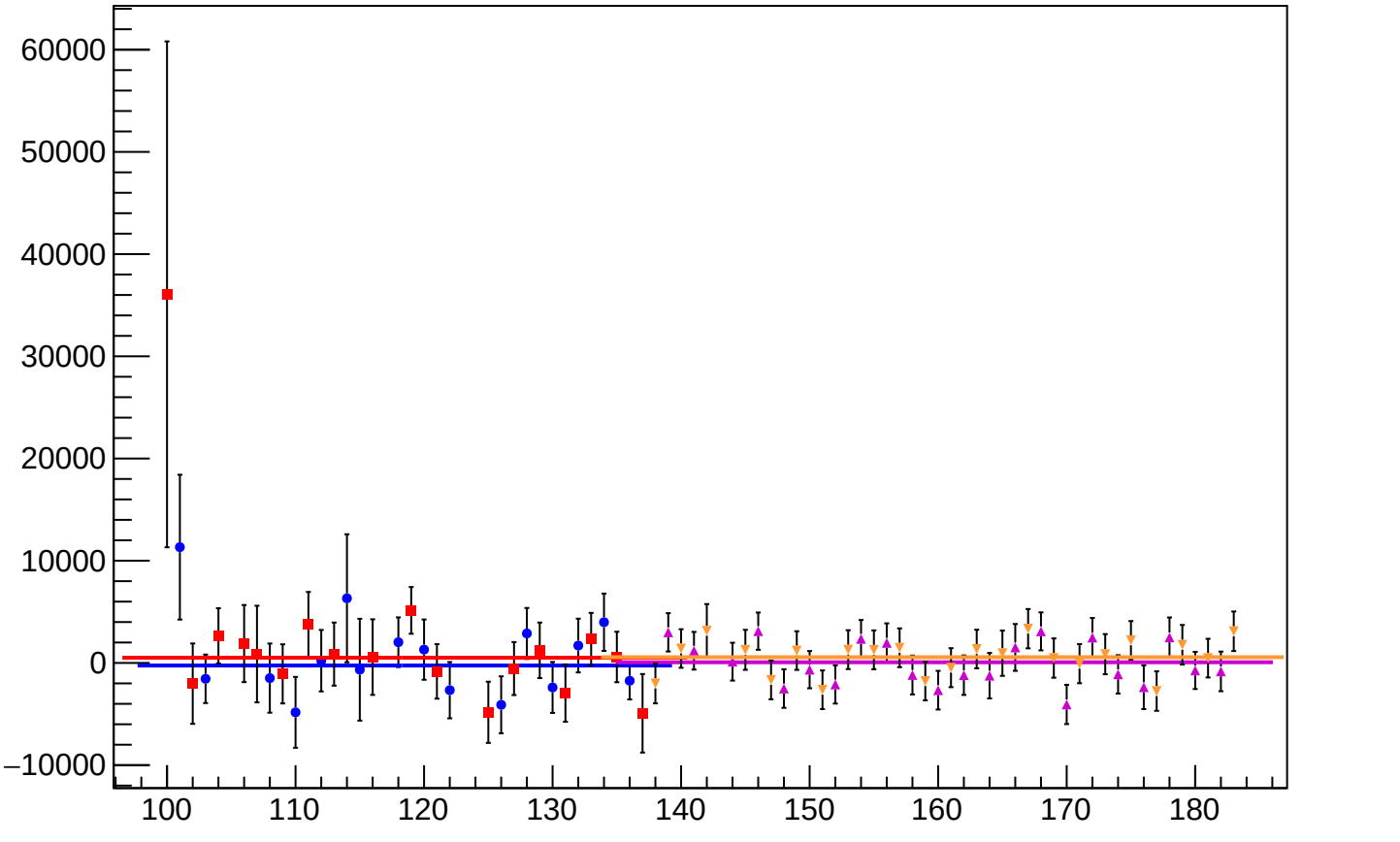
Left: 904.265+/-0.107 χ^2/NDF: 929158.6/44

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 973.701+/-0.142 χ^2/NDF:3054770.9/37

Out: 971.230+/-0.141 χ^2/NDF:3336316.2/40

All: 972.462+/-0.100 χ^2/NDF: 6391239.5/78



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 563.813+/-404.960 χ^2/NDF:18.0/22

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 66.297+/-408.380 χ^2/NDF:27.7/21

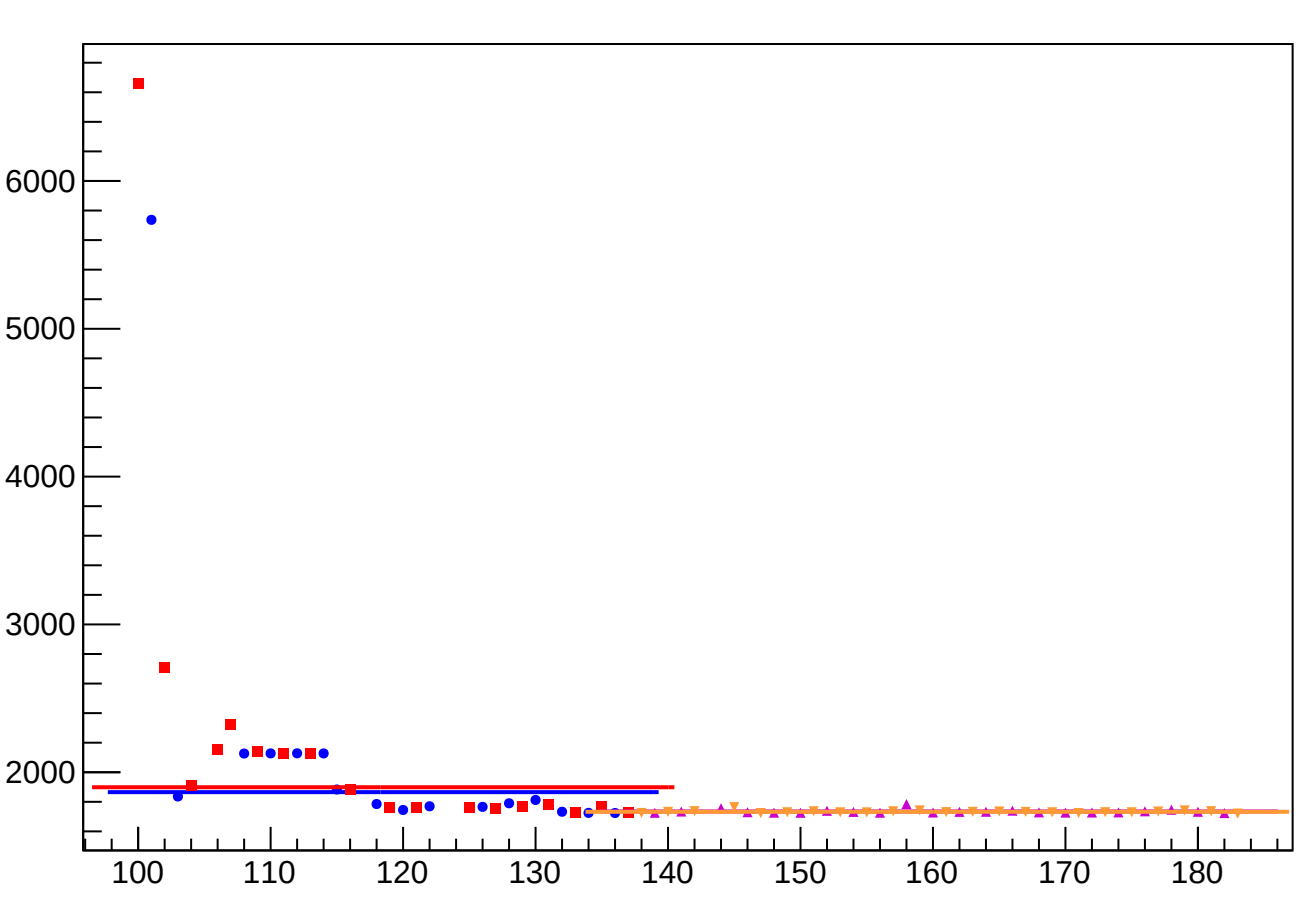
Left: 317.147+/-287.551 χ^2/NDF: 46.5/44

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: -12.840+/-353.996 χ^2/NDF:43.5/37

Out: 550.784+/-352.421 χ^2/NDF:34.4/40

All: 270.229+/-249.754 χ^2/NDF: 79.2/78



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.612+/-0.286 χ^2/NDF:868.3/22

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: 1733.704+/-0.203 χ^2/NDF: 3068.9/44

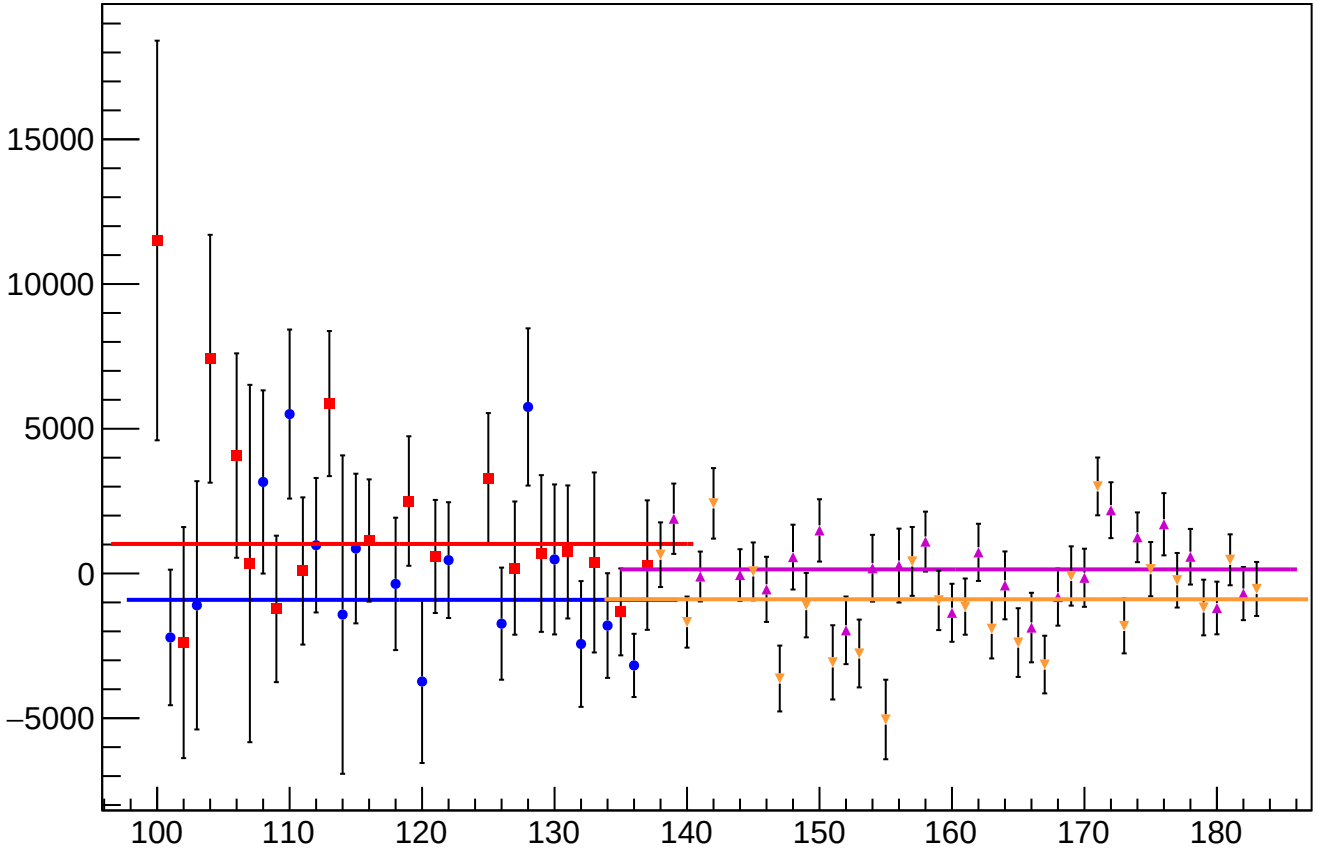
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1767.289+/-0.250 χ^2/NDF:728031.2/37

Out: 1772.889+/-0.249 χ^2/NDF:351514.6/40

All: 1770.102+/-0.177 χ^2/NDF: 1079797.2/78

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: -891.222+/-215.947 χ^2/NDF:61.6/22

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 140.721+/-218.238 χ^2/NDF:26.5/21

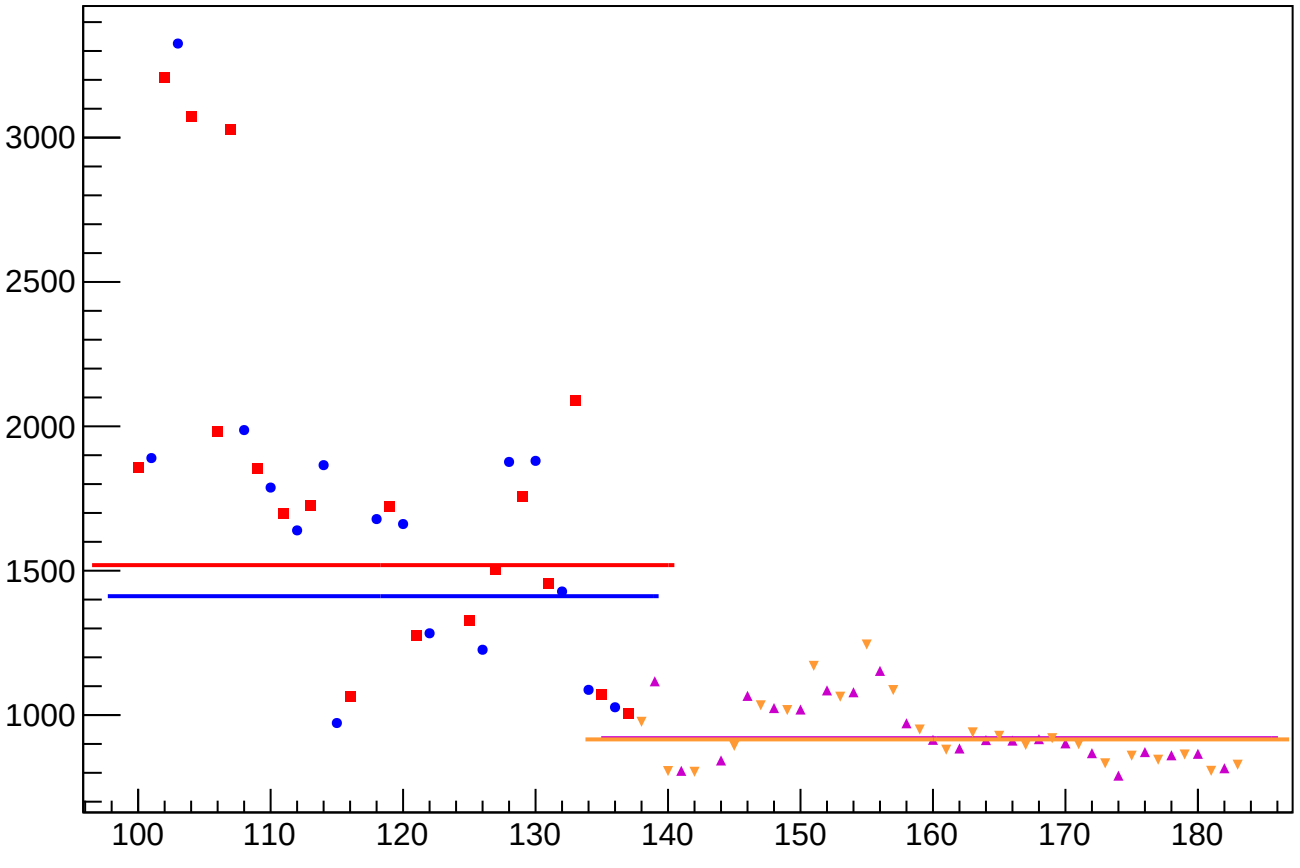
Left: -380.696+/-153.501 χ^2/NDF: 99.4/44

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -1.963+/-202.894 χ^2/NDF:50.6/37

Out: -666.495+/-202.855 χ^2/NDF:85.7/40

All: -334.294+/-143.454 χ^2/NDF: 141.7/78



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 915.723+/-0.153 χ^2/NDF:454863.1/22

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 920.036+/-0.154 χ^2/NDF:419443.2/21

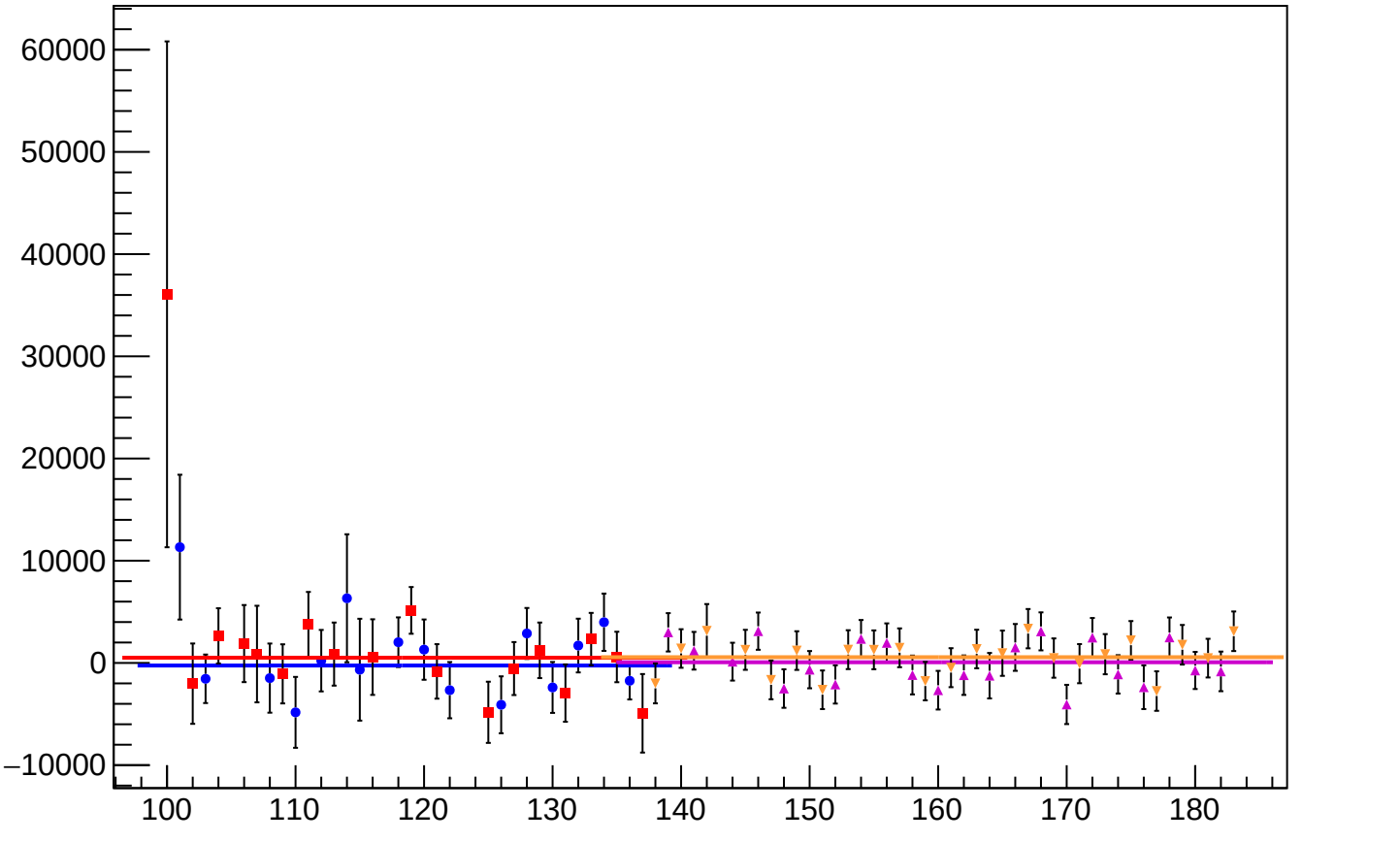
Left: 917.857+/-0.109 χ^2/NDF: 874700.9/44

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 986.748+/-0.143 χ^2/NDF:2974666.7/37

Out: 986.689+/-0.143 χ^2/NDF:3652070.3/40

All: 986.719+/-0.101 χ^2/NDF: 6626737.1/78



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 563.813+/-404.960 χ^2/NDF:18.0/22

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 66.298+/-408.380 χ^2/NDF:27.7/21

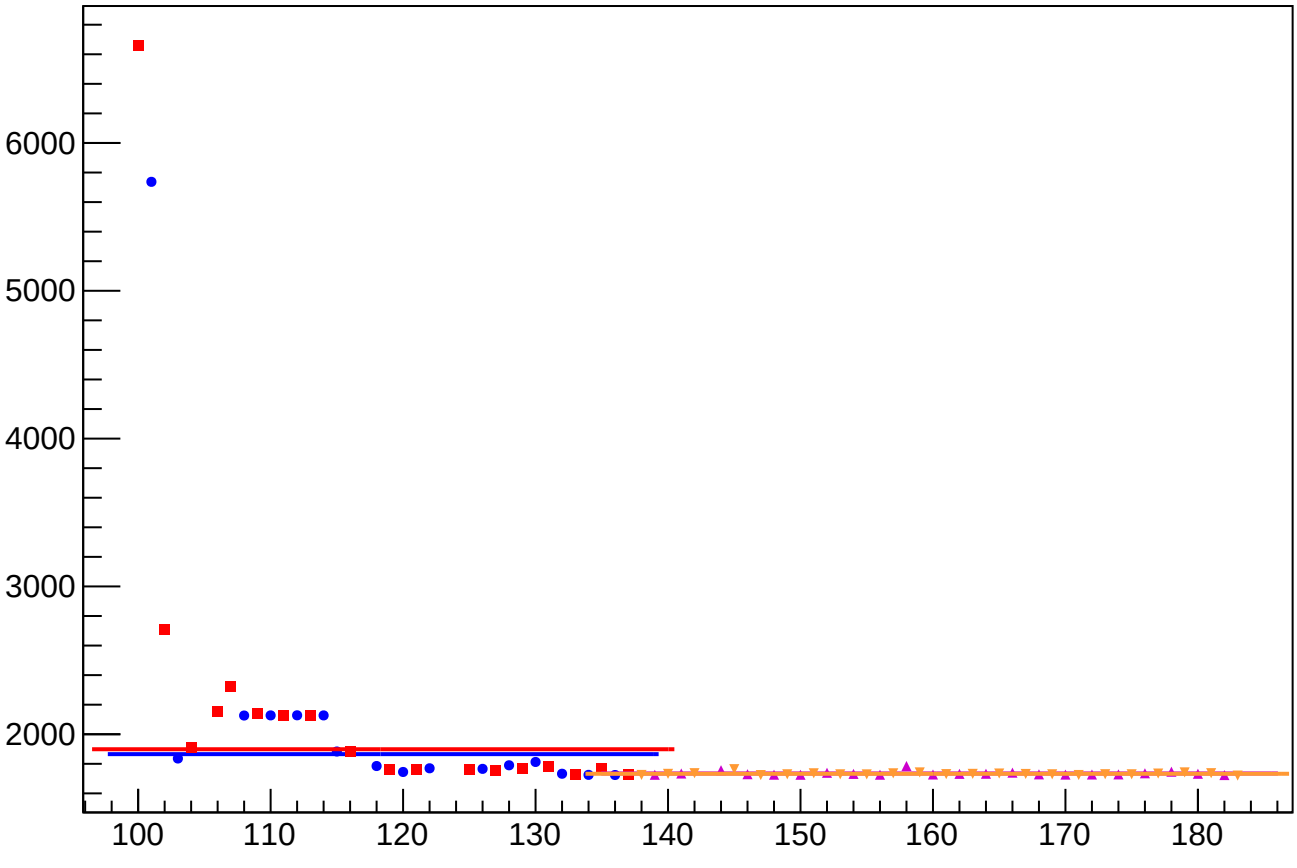
Left: 317.147+/-287.551 χ^2/NDF: 46.5/44

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: -12.839+/-353.996 χ^2/NDF:43.5/37

Out: 550.784+/-352.421 χ^2/NDF:34.4/40

All: 270.229+/-249.754 χ^2/NDF: 79.2/78



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.612+/-0.286 χ^2/NDF:868.3/22

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: 1733.704+/-0.203 χ^2/NDF: 3068.9/44

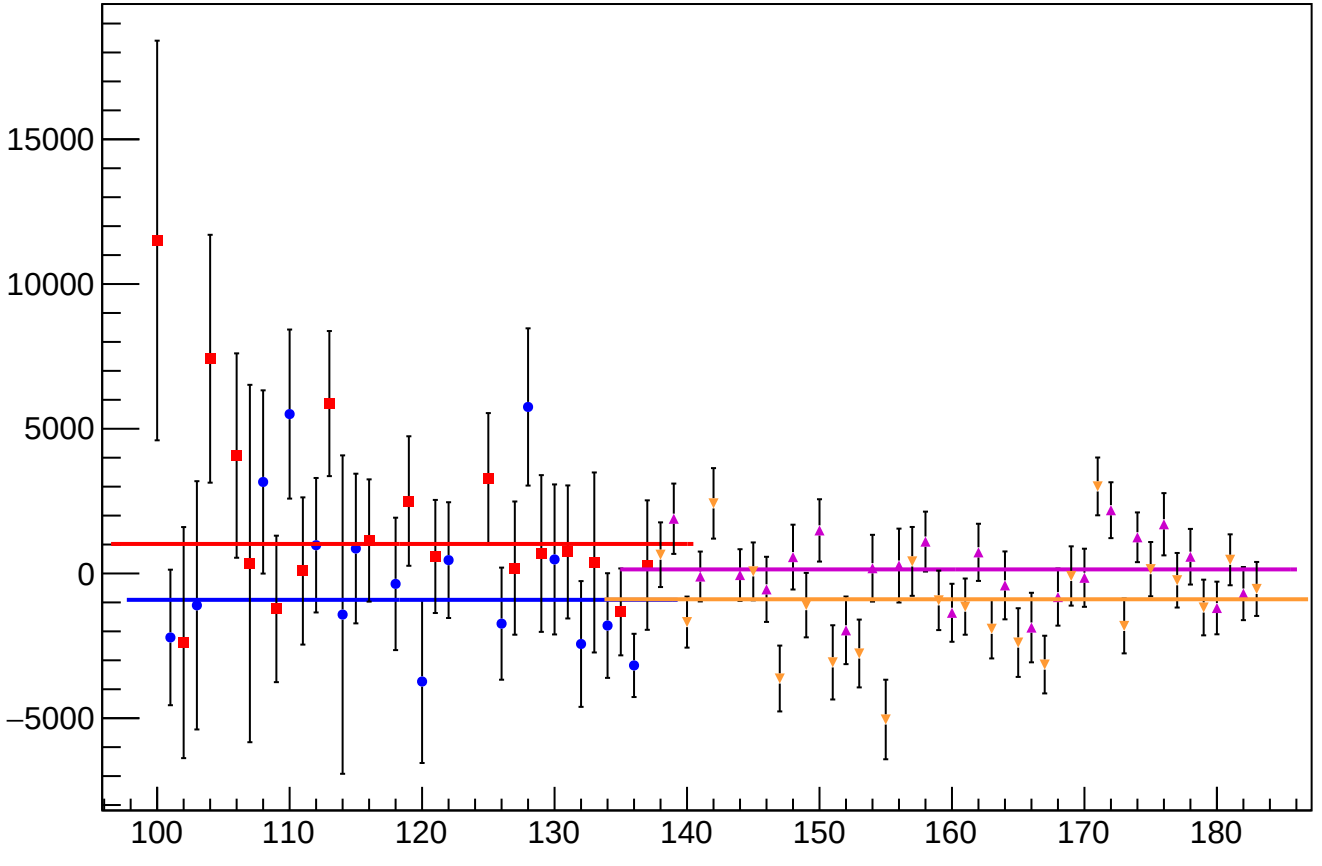
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1767.289+/-0.250 χ^2/NDF:728031.2/37

Out: 1772.889+/-0.249 χ^2/NDF:351514.3/40

All: 1770.102+/-0.177 χ^2/NDF: 1079796.9/78

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: -891.221+/-215.947 χ^2/NDF:61.6/22

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: -380.697+/-153.501 χ^2/NDF: 99.4/44

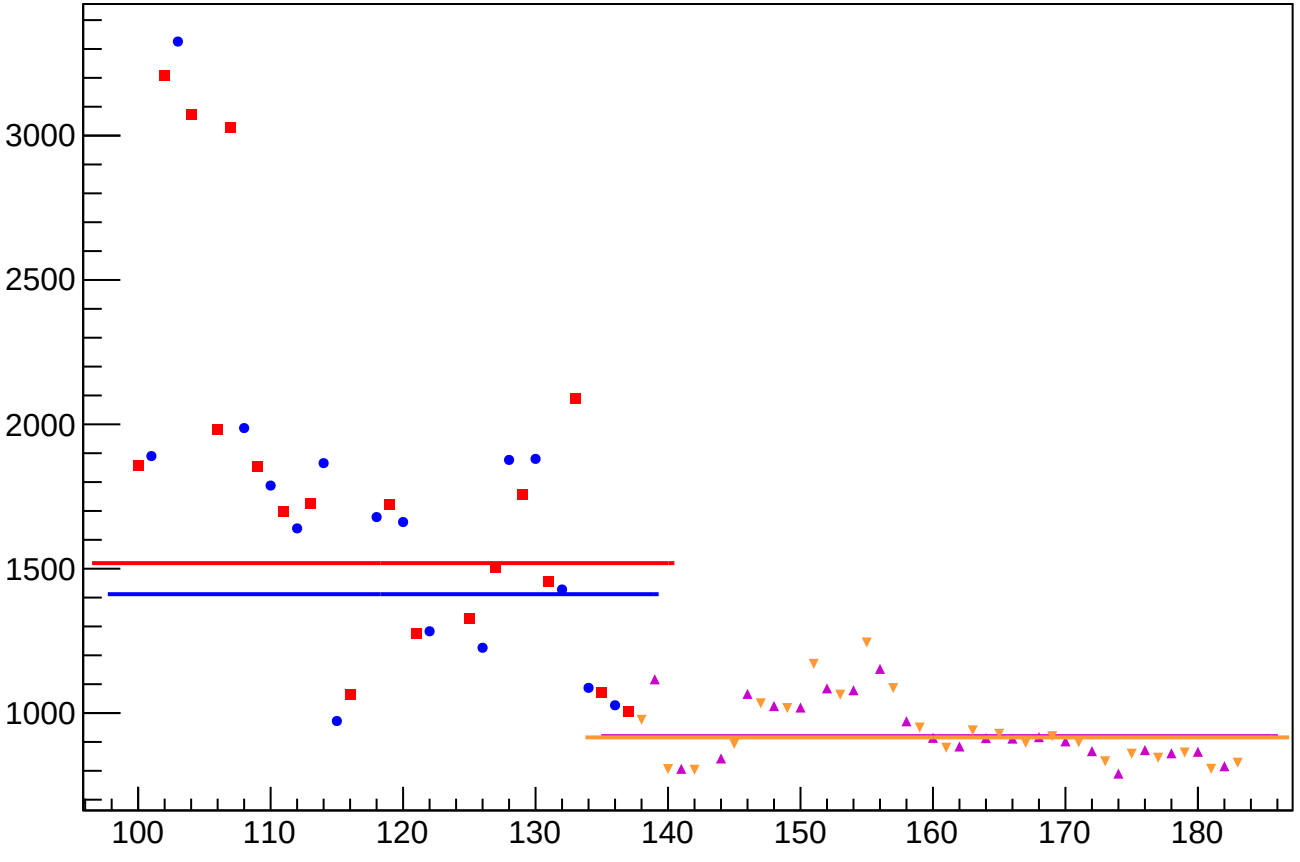
Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -1.964+/-202.894 χ^2/NDF:50.6/37

Out: -666.494+/-202.855 χ^2/NDF:85.7/40

All: -334.294+/-143.454 χ^2/NDF: 141.7/78

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: 915.723+/-0.153 χ^2/NDF:454871.4/22

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 920.036+/-0.154 χ^2/NDF:419453.6/21

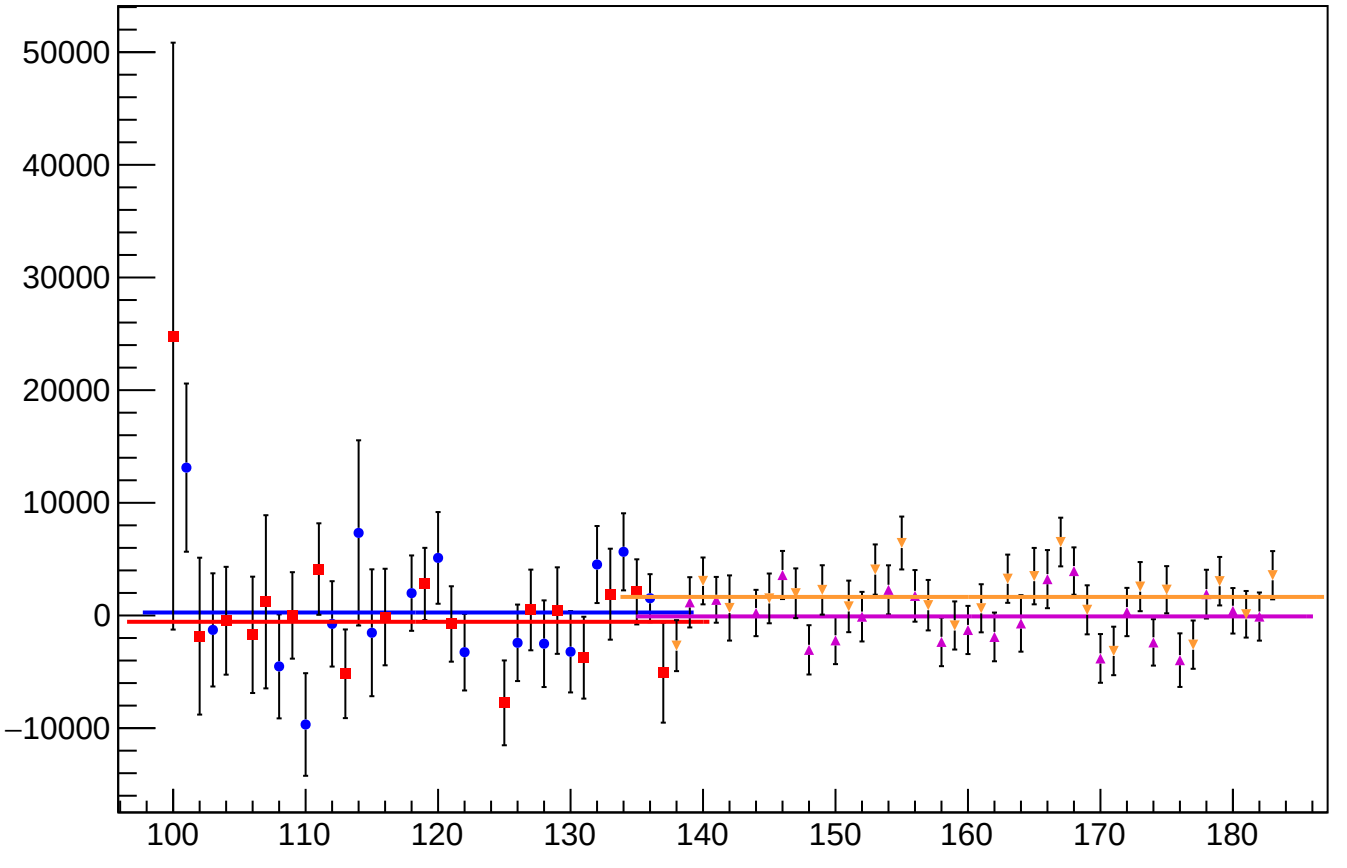
Left: 917.857+/-0.109 χ^2/NDF: 874719.6/44

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 986.748+/-0.143 χ^2/NDF:2974667.3/37

Out: 986.689+/-0.143 χ^2/NDF:3652073.9/40

All: 986.718+/-0.101 χ^2/NDF: 6626741.3/78



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1646.810+/-460.363 χ^2/NDF:29.0/22

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: 788.722+/-326.811 χ^2/NDF: 59.8/44

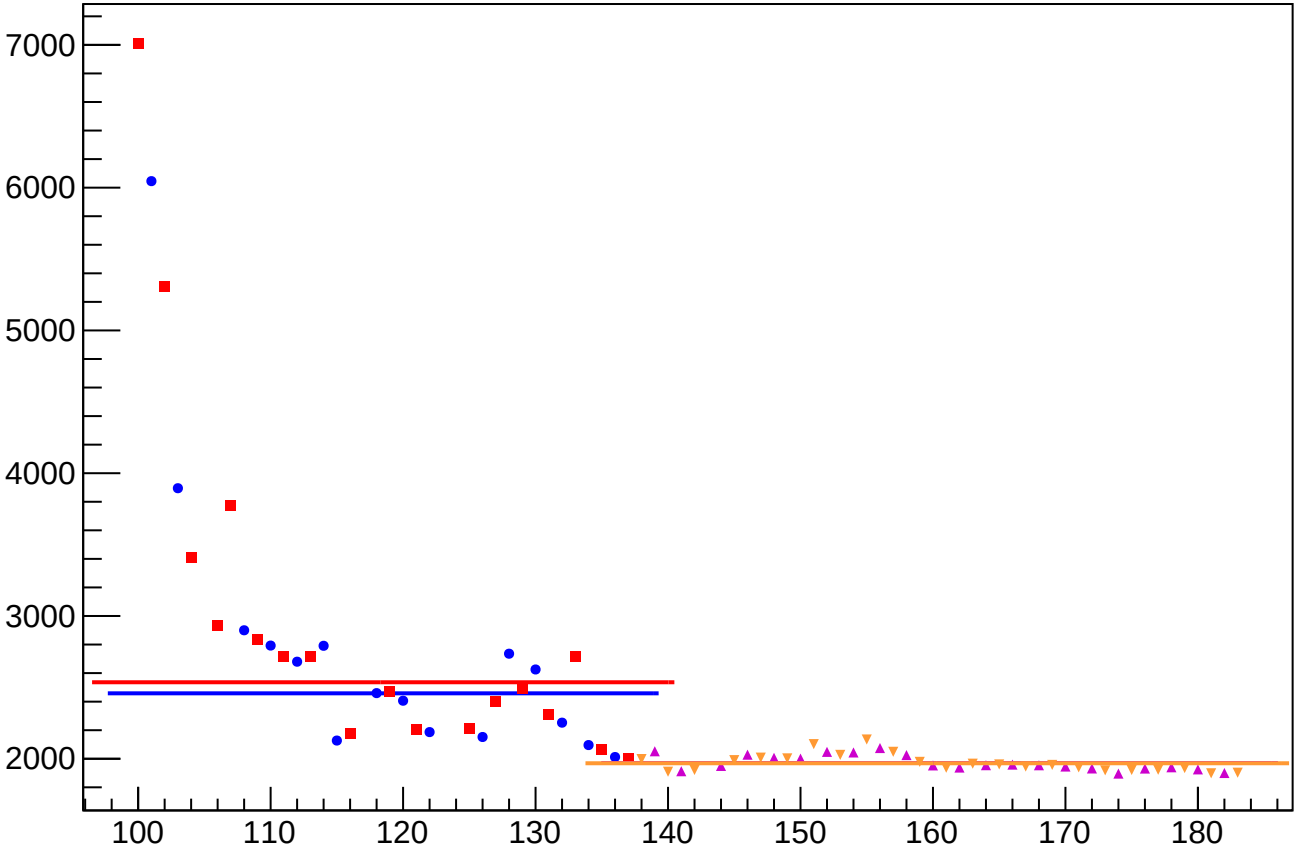
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: -15.205+/-416.256 χ^2/NDF:42.9/37

Out: 1236.079+/-415.339 χ^2/NDF:45.0/40

All: 611.817+/-294.013 χ^2/NDF: 92.4/78

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: 1968.508+/-0.326 χ^2/NDF:33469.6/22

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1970.320+/-0.328 χ^2/NDF:25630.1/21

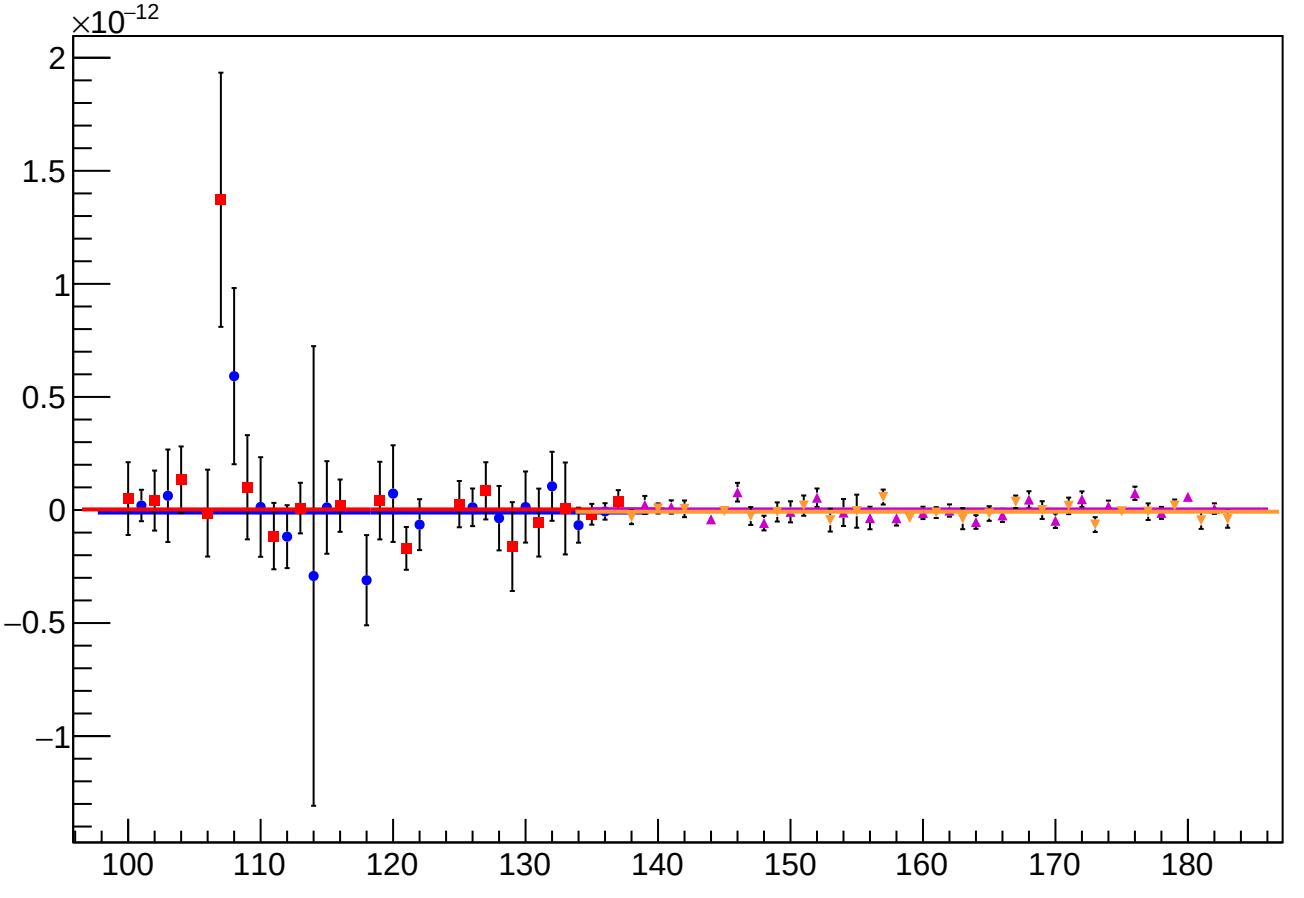
Left: 1969.407+/-0.231 χ^2/NDF: 59115.1/44

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2065.614+/-0.294 χ^2/NDF:1290493.1/37

Out: 2074.044+/-0.294 χ^2/NDF:1271771.1/40

All: 2069.838+/-0.208 χ^2/NDF: 2562675.2/78



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:38.9/21

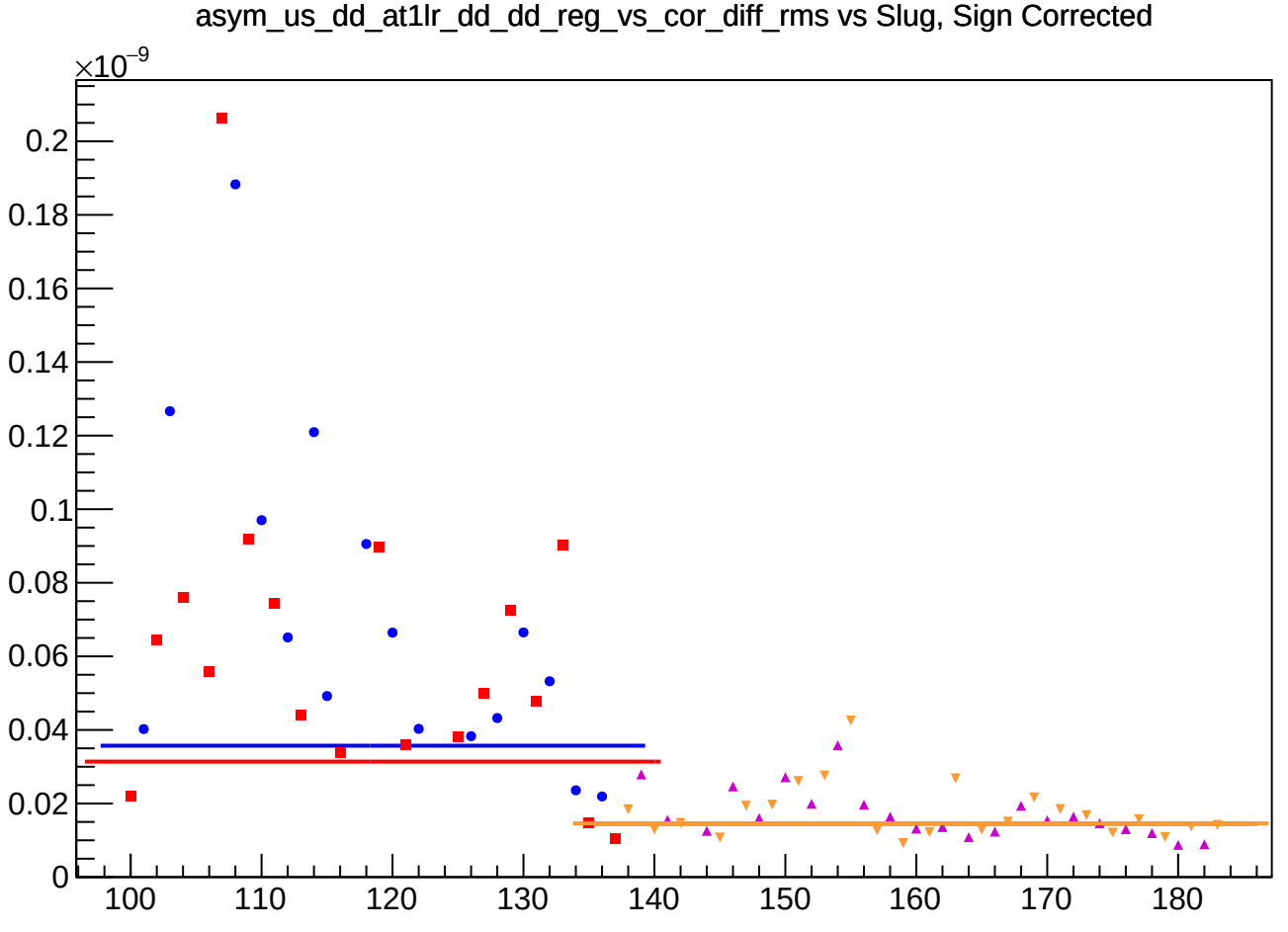
Left: -0.000+/-0.000 χ^2/NDF: 57.1/44

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:30.4/40

All: -0.000+/-0.000 χ^2/NDF: 77.8/78



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1173880.5/22

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: 2383926.7/44

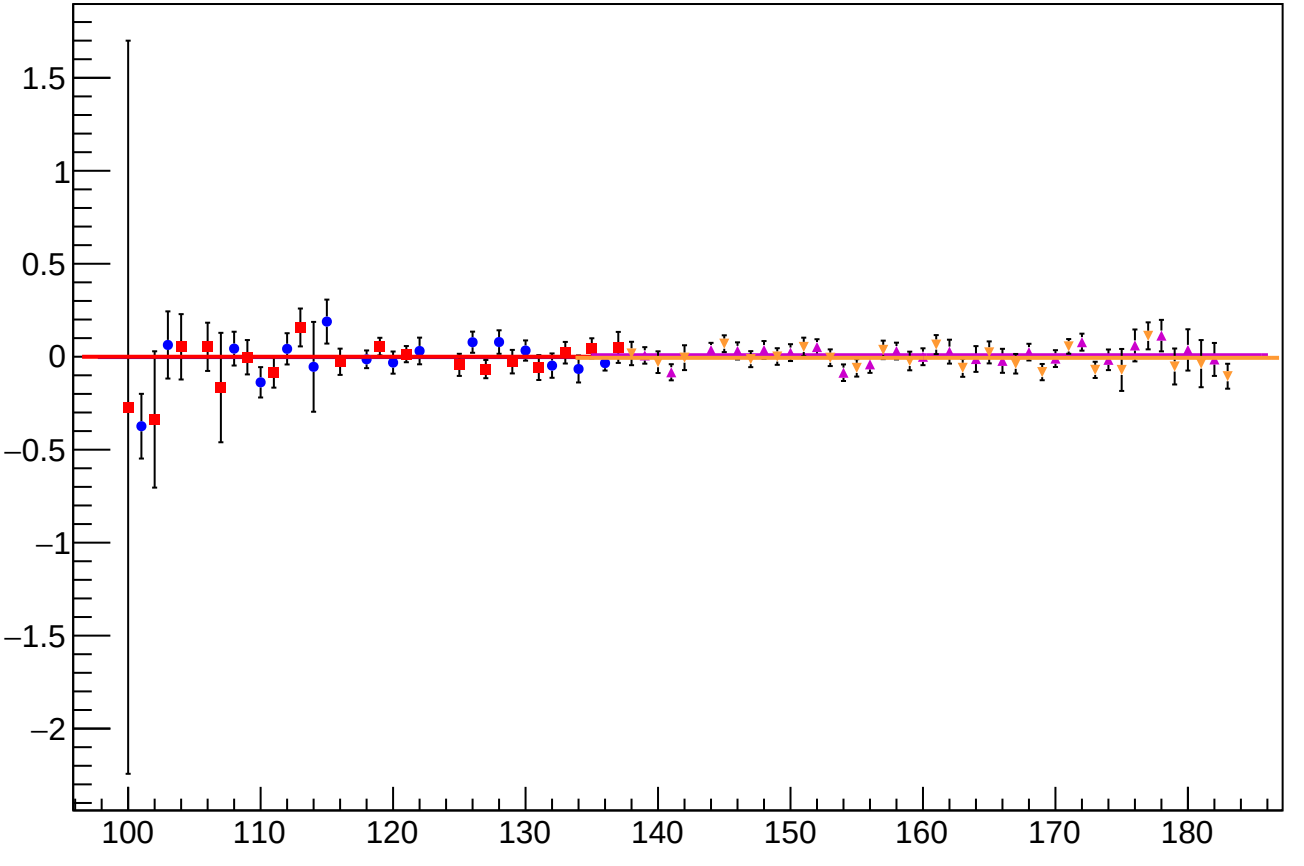
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:4227098.6/37

Out: 0.000+/-0.000 χ^2/NDF:4128394.5/40

All: 0.000+/-0.000 χ^2/NDF: 8356239.9/78

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: -0.006+/-0.011 χ^2/NDF:23.7/22

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: 0.001+/-0.008 χ^2/NDF: 42.4/44

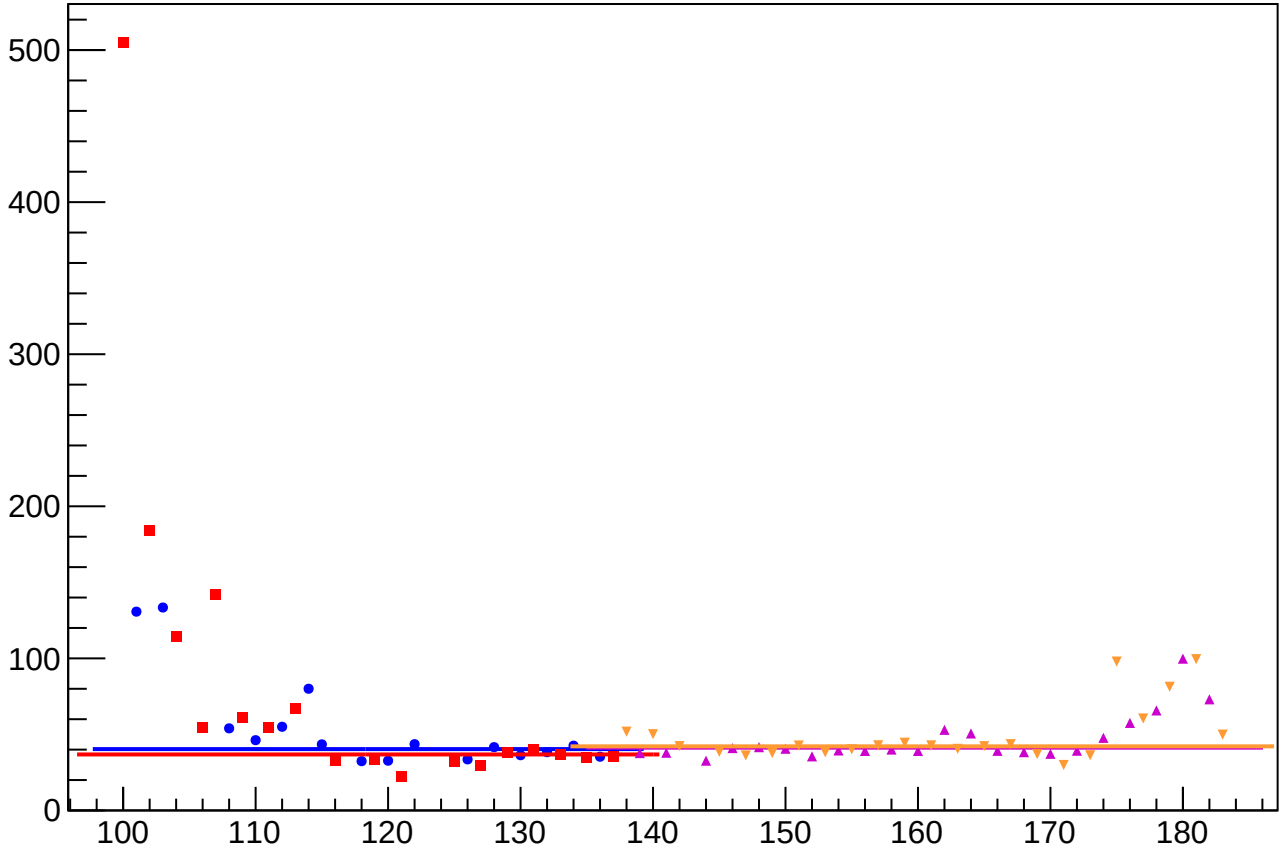
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.3/37

Out: -0.004+/-0.009 χ^2/NDF:34.7/40

All: 0.001+/-0.006 χ^2/NDF: 70.5/78

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: 42.161+/-0.008 χ^2/NDF:1816813.9/22

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: 41.718+/-0.005 χ^2/NDF: 3208337.7/44

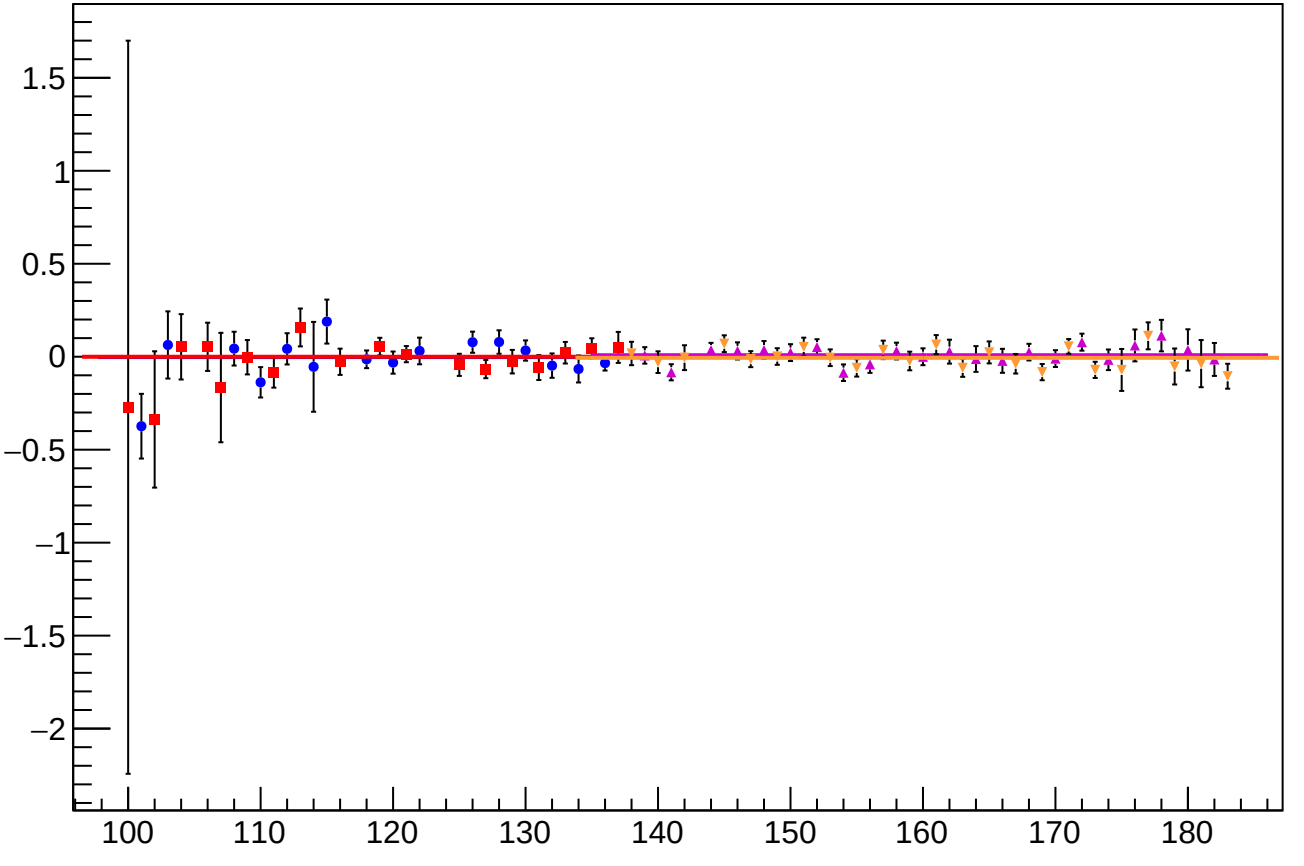
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 41.022+/-0.006 χ^2/NDF:2799595.1/37

Out: 40.542+/-0.006 χ^2/NDF:3796764.1/40

All: 40.783+/-0.005 χ^2/NDF: 6599110.6/78

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: -0.006+/-0.011 χ^2/NDF:23.7/22

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: 0.001+/-0.008 χ^2/NDF: 42.4/44

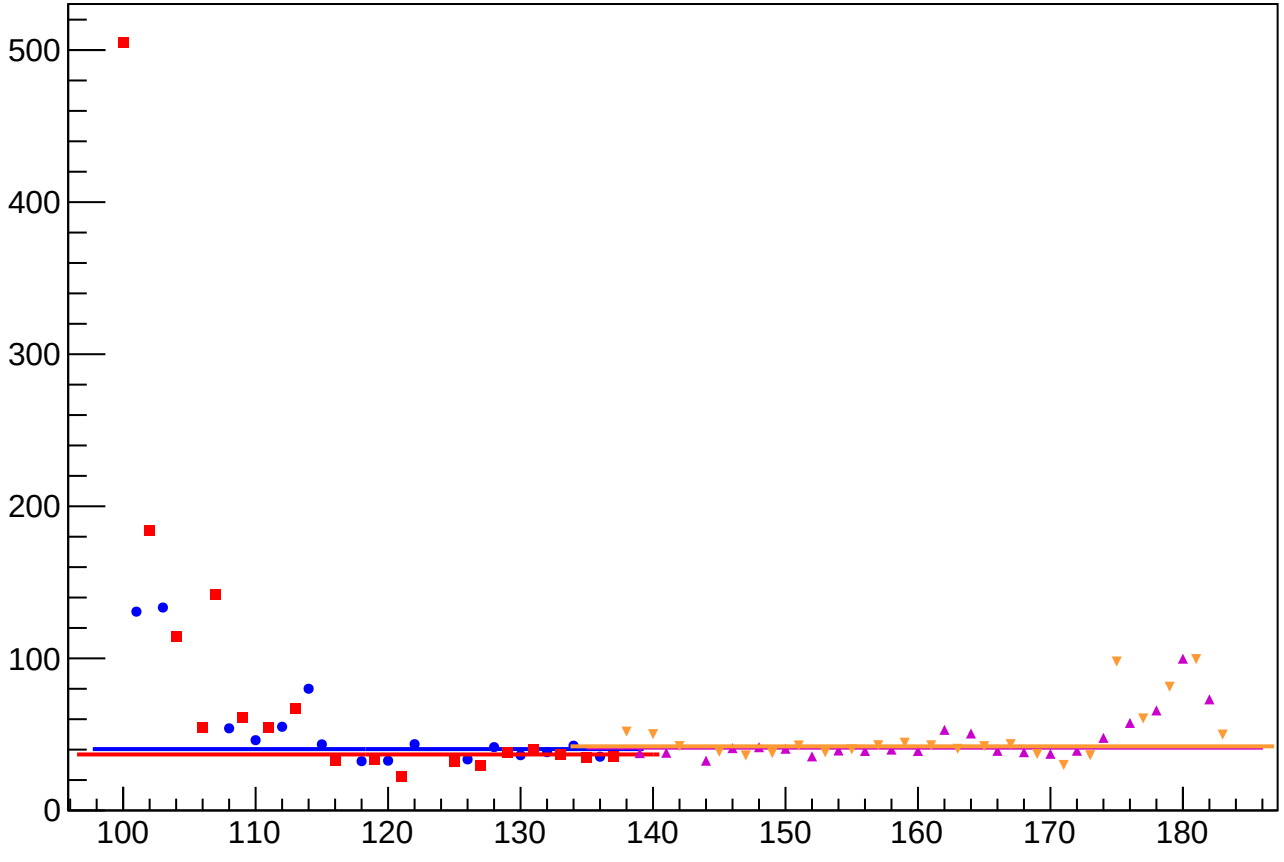
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.3/37

Out: -0.004+/-0.009 χ^2/NDF:34.7/40

All: 0.001+/-0.006 χ^2/NDF: 70.5/78

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: 42.161+/-0.008 χ^2/NDF:1816813.9/22

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 41.290+/-0.008 χ^2/NDF:1385144.4/21

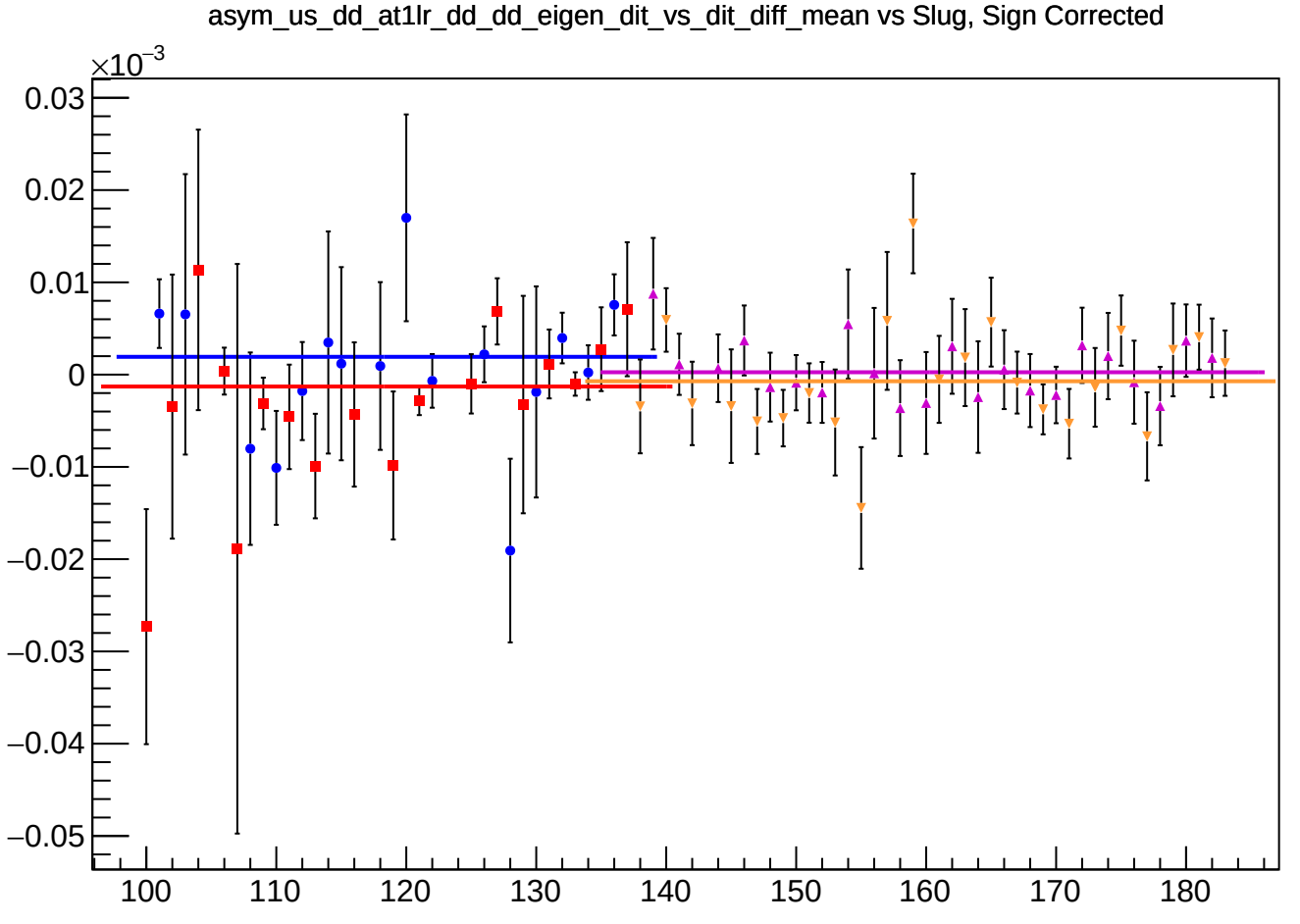
Left: 41.718+/-0.005 χ^2/NDF: 3208337.7/44

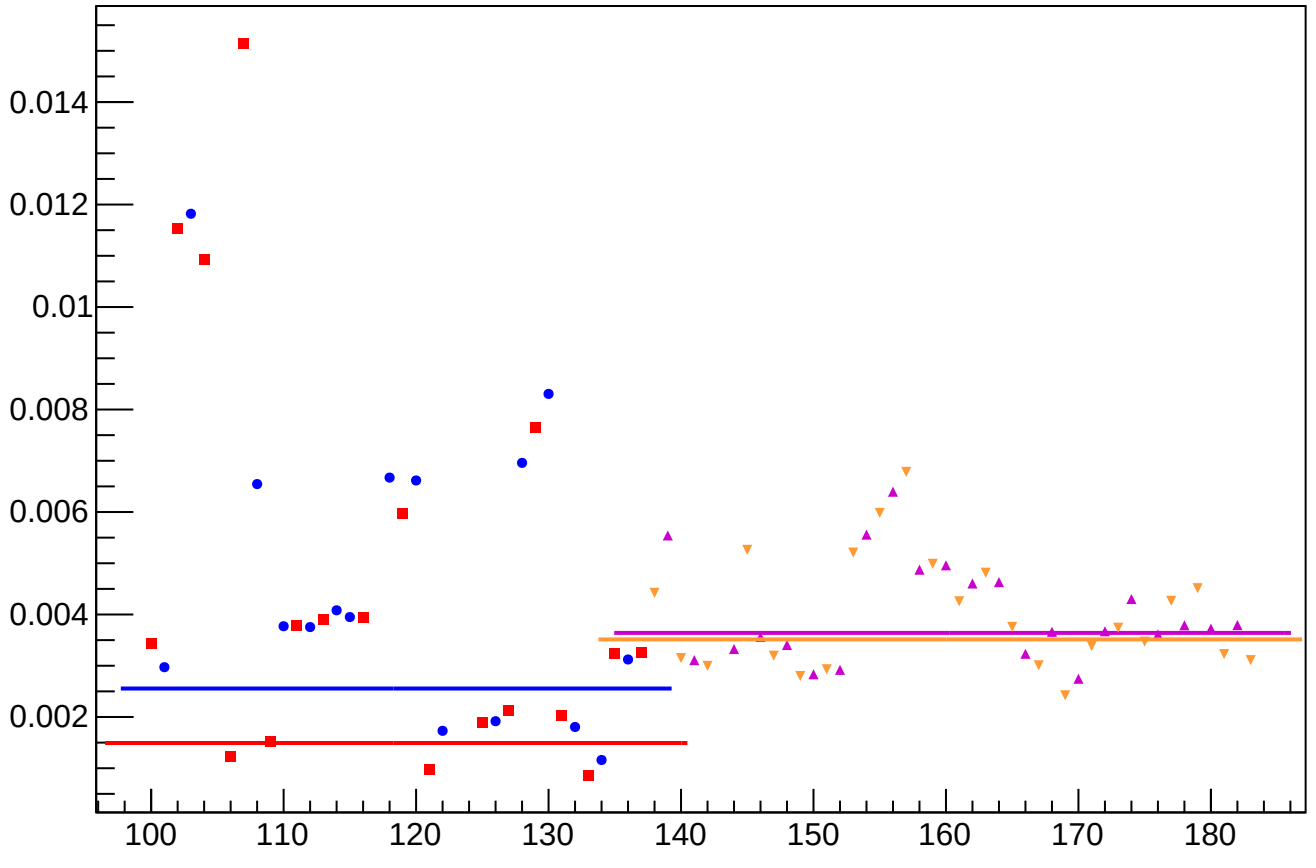
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 41.022+/-0.006 χ^2/NDF:2799595.1/37

Out: 40.542+/-0.006 χ^2/NDF:3796764.1/40

All: 40.783+/-0.005 χ^2/NDF: 6599110.6/78


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 17.9/15
Left Out: -0.000+/-0.000 χ²/NDF:34.7/22
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: 0.000+/-0.000 χ²/NDF:9.1/21
Left: -0.000+/-0.000 χ²/NDF: 44.4/44
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:28.3/37
Out: -0.000+/-0.000 χ²/NDF:53.8/40
All: -0.000+/-0.000 χ²/NDF: 86.7/78



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:2175486.4/22

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: 3809085.9/44

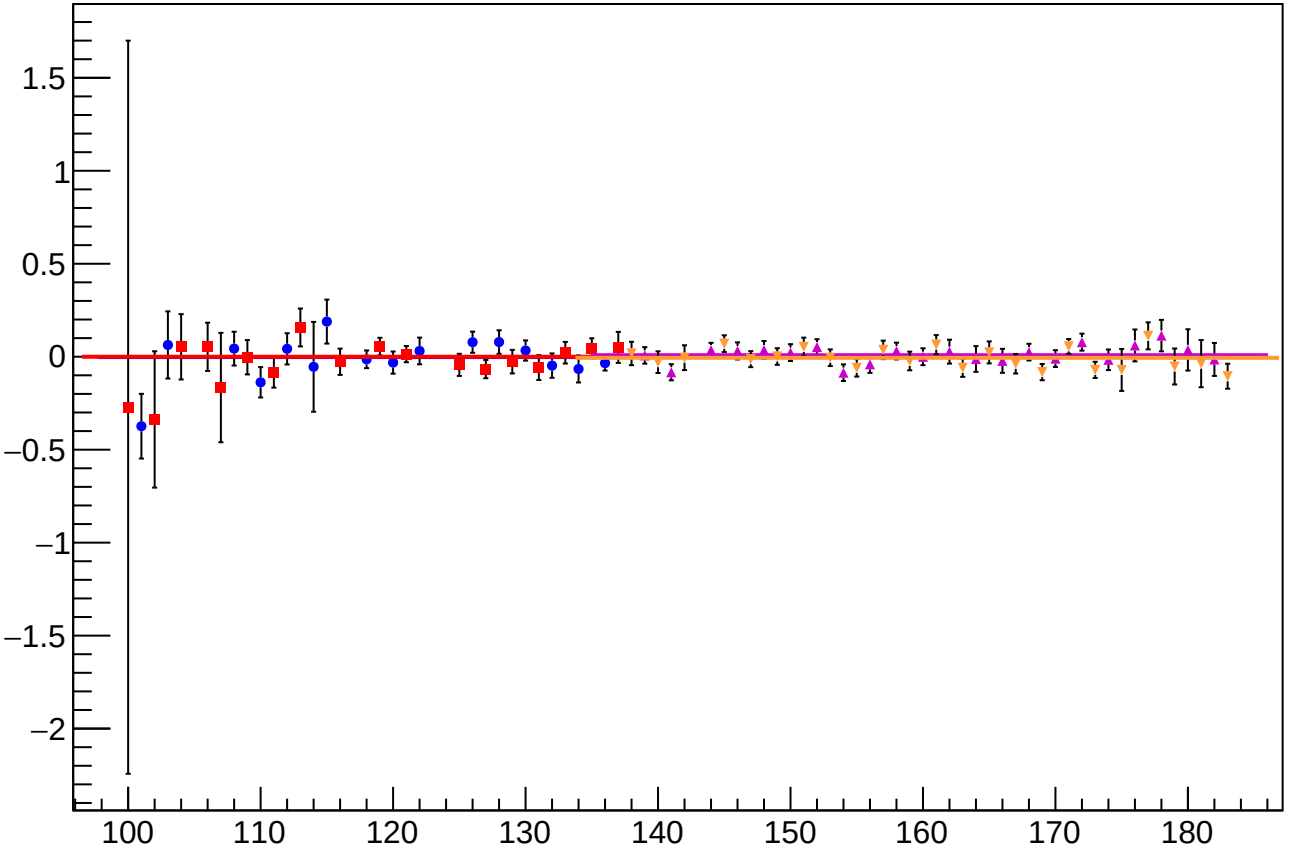
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6524292.8/37

Out: 0.002+/-0.000 χ^2/NDF:14059624.6/40

All: 0.003+/-0.000 χ^2/NDF: 22404310.2/78

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: -0.006+/-0.011 χ^2/NDF:23.7/22

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: 0.001+/-0.008 χ^2/NDF: 42.4/44

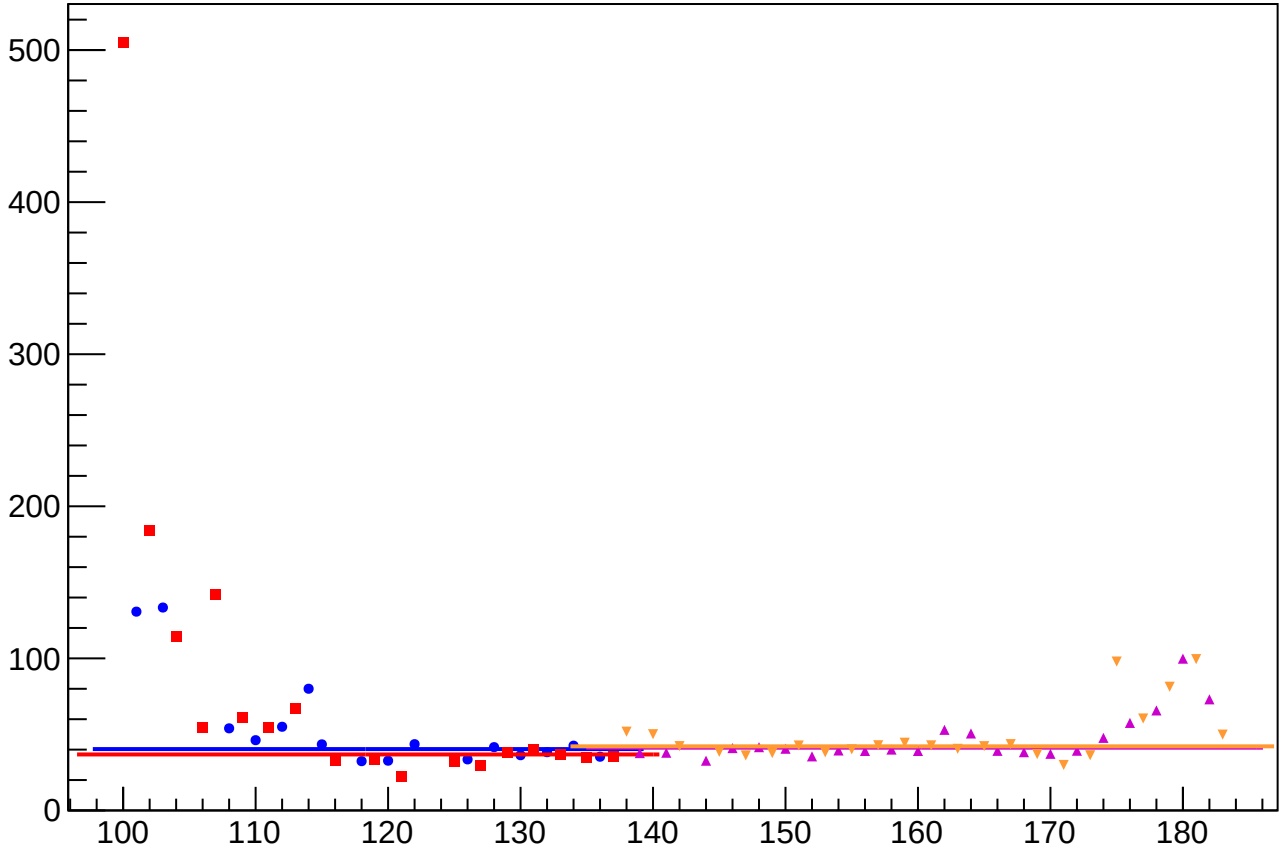
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.3/37

Out: -0.004+/-0.009 χ^2/NDF:34.7/40

All: 0.001+/-0.006 χ^2/NDF: 70.5/78

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: 42.161+/-0.008 χ^2/NDF:1816823.4/22

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: 41.718+/-0.005 χ^2/NDF: 3208280.1/44

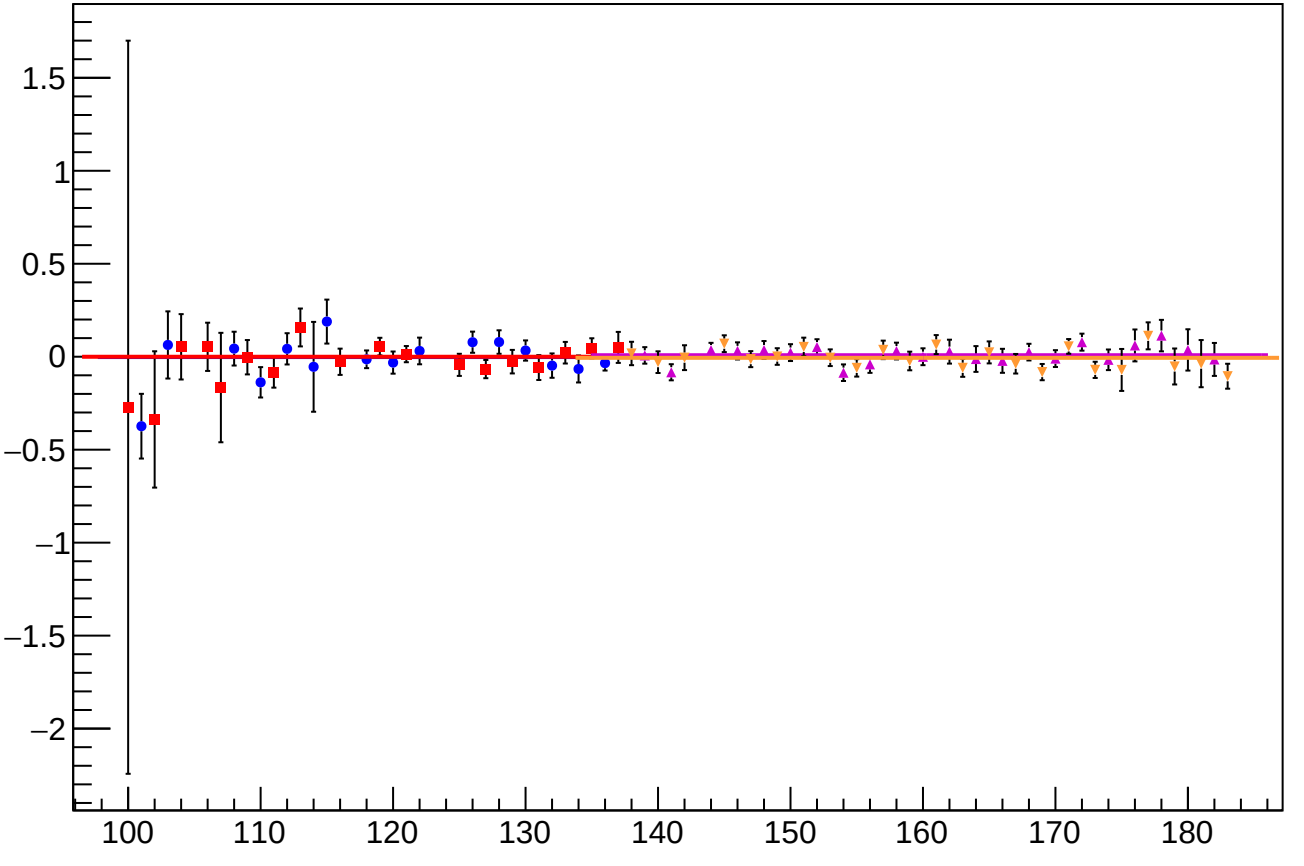
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 41.022+/-0.006 χ^2/NDF:2799423.5/37

Out: 40.541+/-0.006 χ^2/NDF:3796803.5/40

All: 40.783+/-0.005 χ^2/NDF: 6598984.7/78

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: -0.006+/-0.011 χ^2/NDF:23.7/22

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: 0.001+/-0.008 χ^2/NDF: 42.4/44

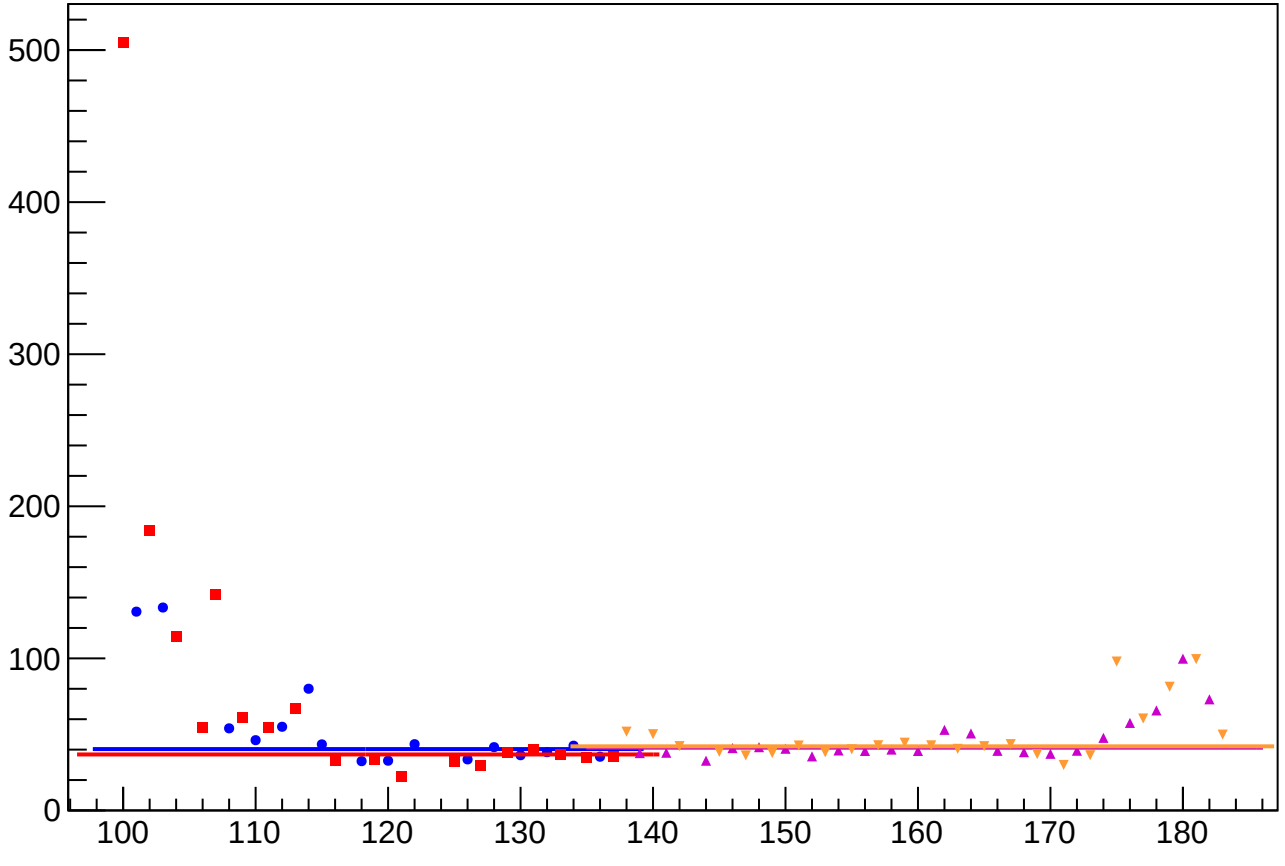
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.3/37

Out: -0.004+/-0.009 χ^2/NDF:34.7/40

All: 0.001+/-0.006 χ^2/NDF: 70.5/78

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 42.161+/-0.008 χ^2/NDF:1816823.4/22

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 41.290+/-0.008 χ^2/NDF:1385079.4/21

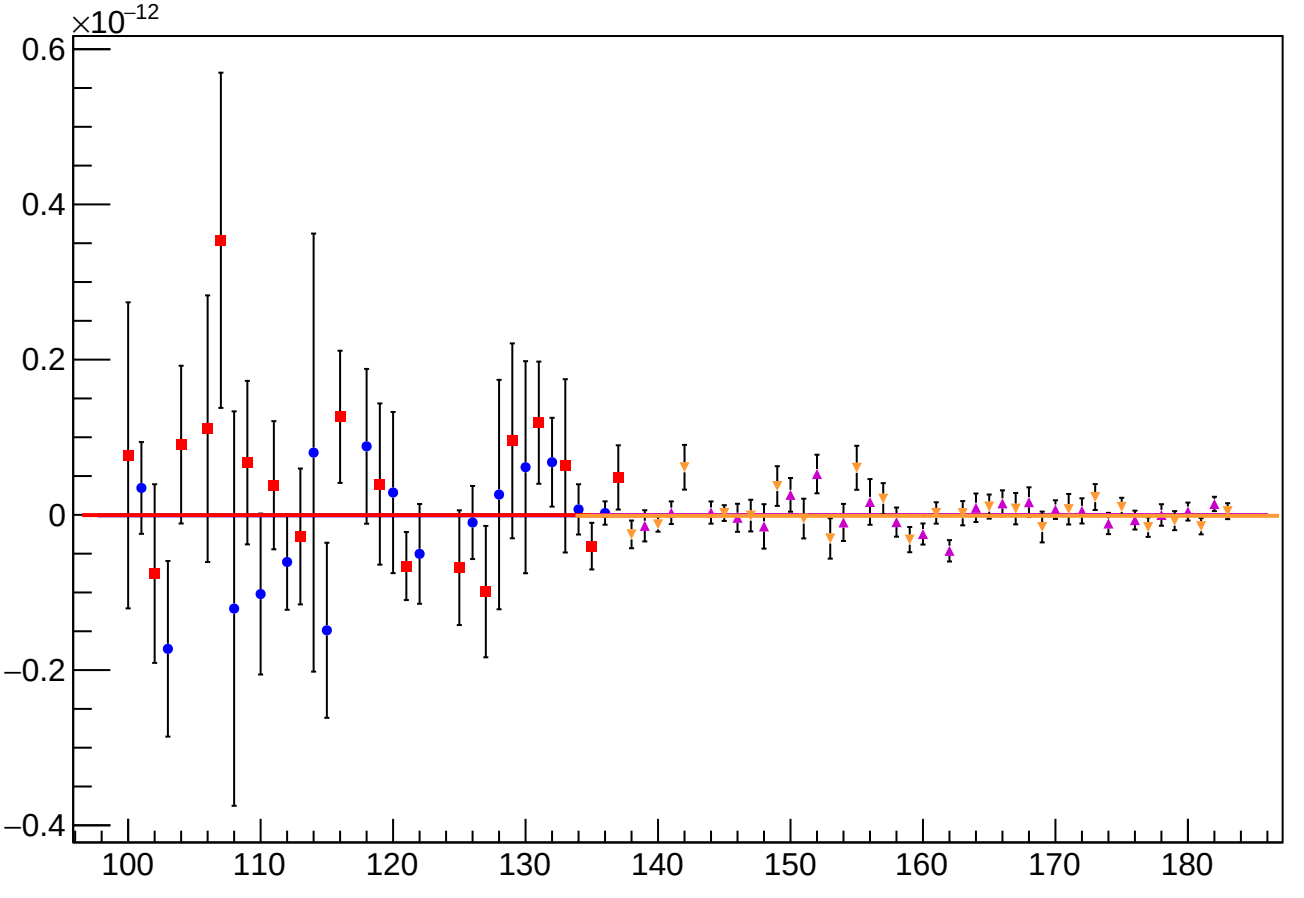
Left: 41.718+/-0.005 χ^2/NDF: 3208280.1/44

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 41.022+/-0.006 χ^2/NDF:2799423.5/37

Out: 40.541+/-0.006 χ^2/NDF:3796803.5/40

All: 40.783+/-0.005 χ^2/NDF: 6598984.7/78



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:27.7/21

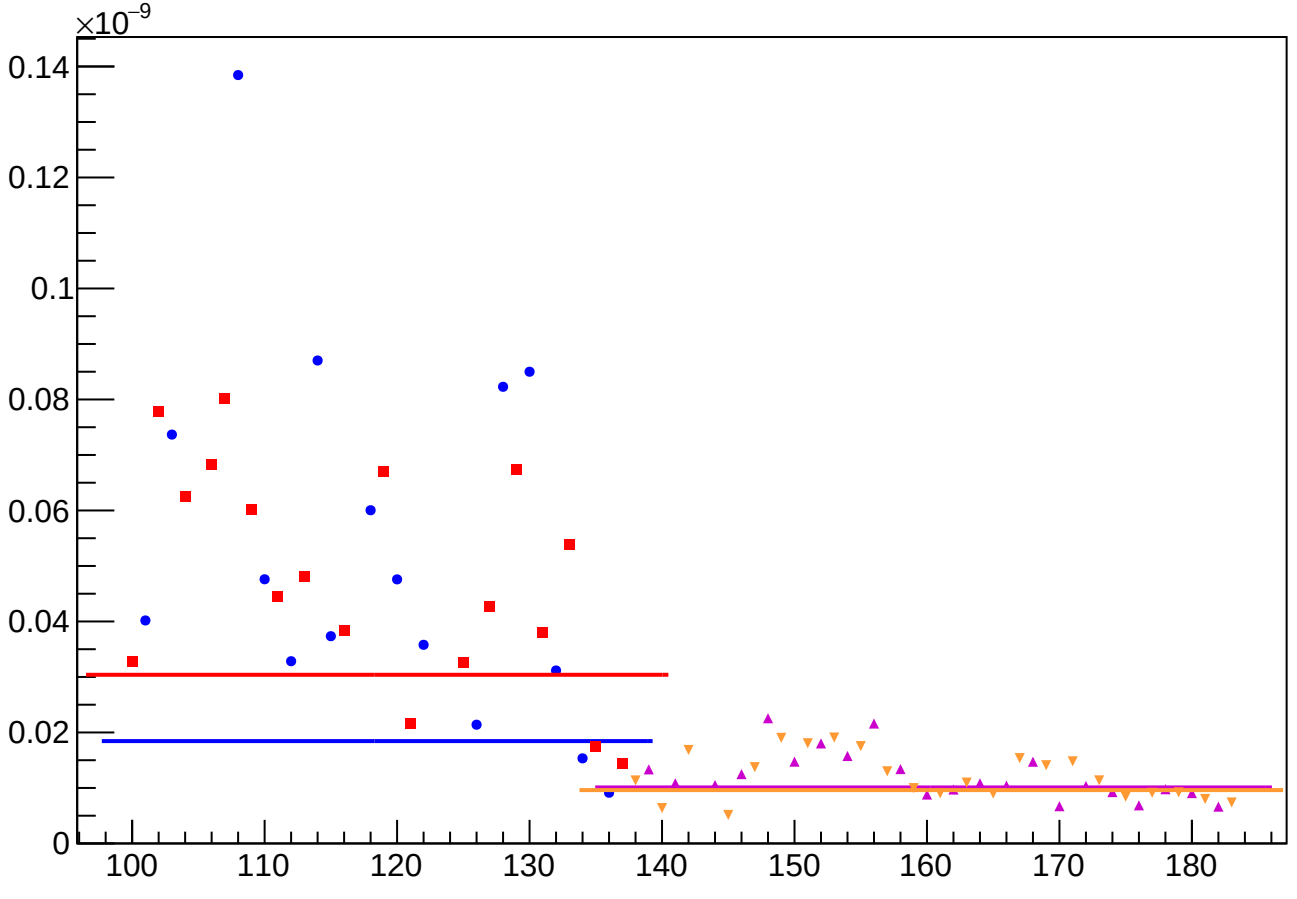
Left: -0.000+/-0.000 χ^2/NDF: 57.0/44

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:47.6/40

All: -0.000+/-0.000 χ^2/NDF: 85.3/78



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2430573.4/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1995425.8/21

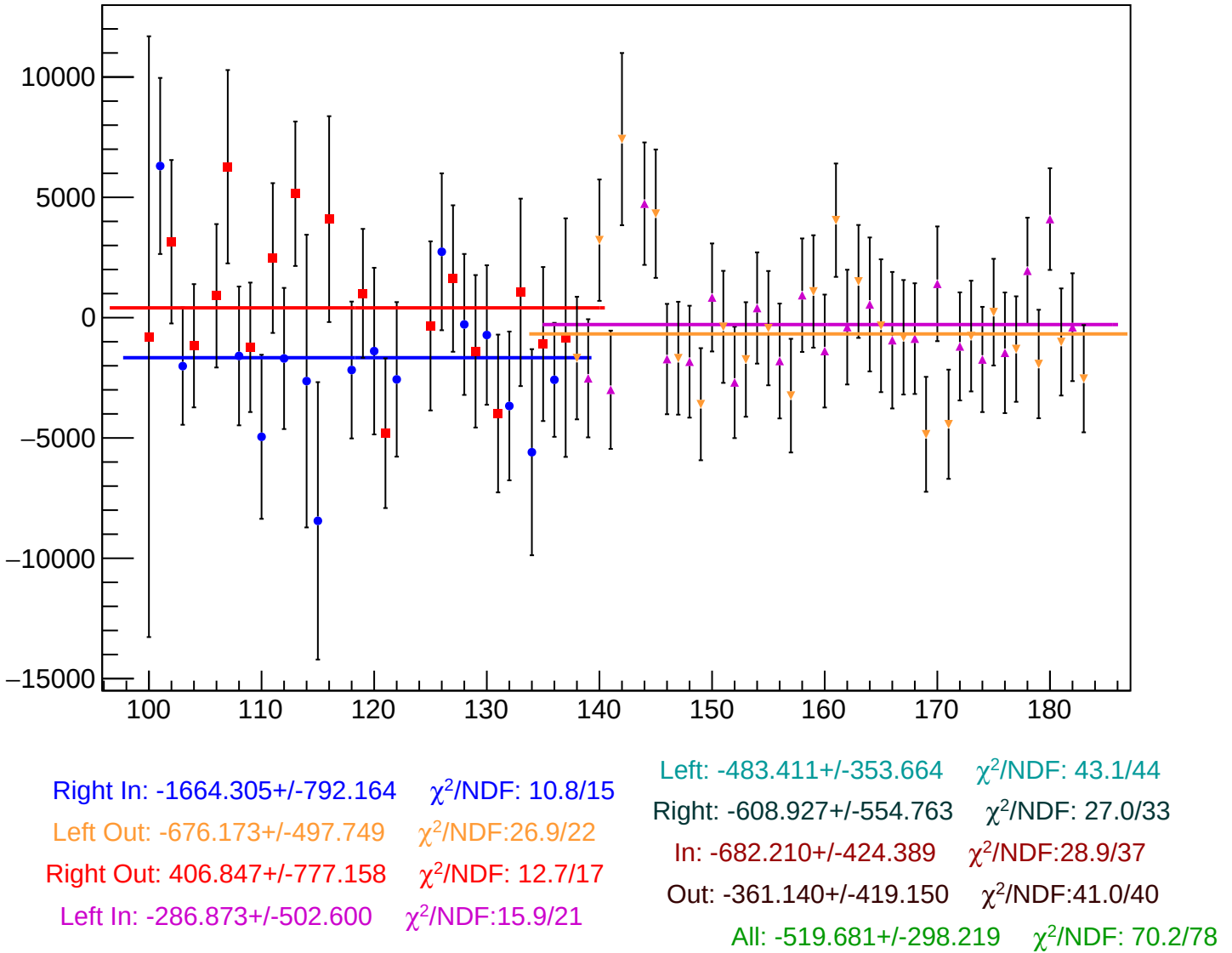
Left: 0.000+/-0.000 χ^2/NDF: 4448545.2/44

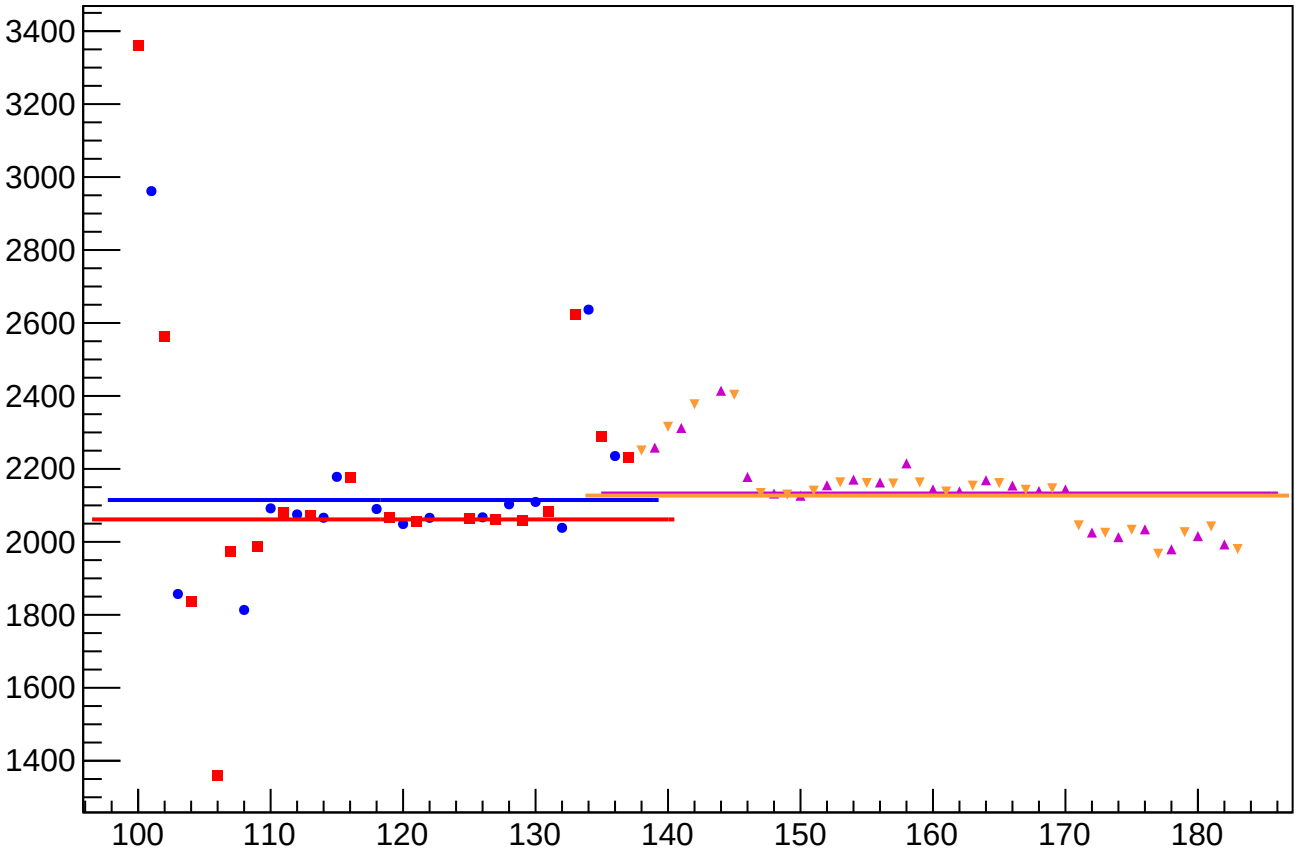
Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:6984306.0/37

Out: 0.000+/-0.000 χ^2/NDF:7893802.4/40

All: 0.000+/-0.000 χ^2/NDF: 14893371.4/78


reg_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -1664.305+/-792.164 χ²/NDF: 10.8/15
Left Out: -676.173+/-497.749 χ²/NDF:26.9/22
Right Out: 406.847+/-777.158 χ²/NDF: 12.7/17
Left In: -286.873+/-502.600 χ²/NDF:15.9/21
Left: -483.411+/-353.664 χ²/NDF: 43.1/44
Right: -608.927+/-554.763 χ²/NDF: 27.0/33
In: -682.210+/-424.389 χ²/NDF:28.9/37
Out: -361.140+/-419.150 χ²/NDF:41.0/40
All: -519.681+/-298.219 χ²/NDF: 70.2/78



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2126.977+/-0.352 χ^2/NDF:85984.2/22

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2132.544+/-0.355 χ^2/NDF:82377.1/21

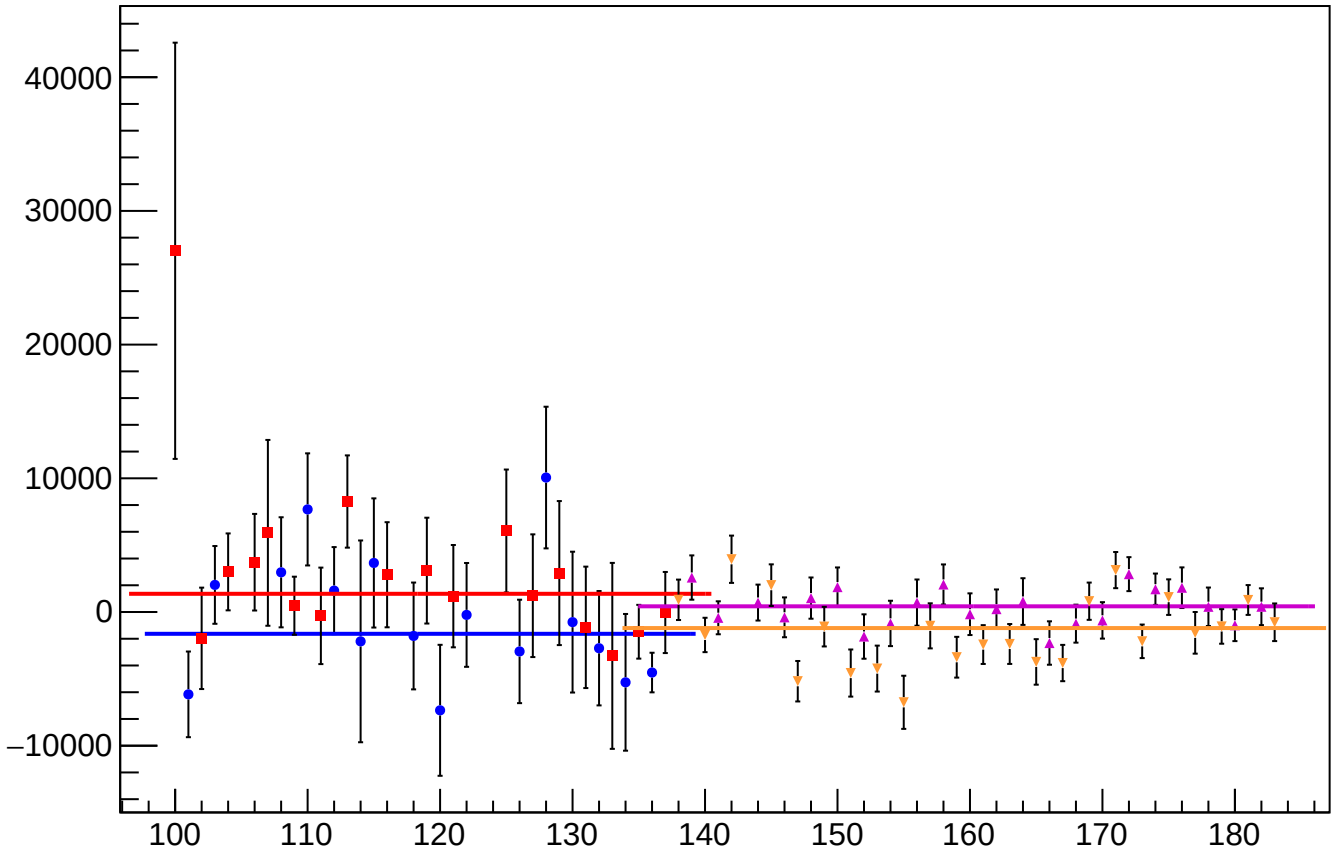
Left: 2129.733+/-0.250 χ^2/NDF: 168485.1/44

Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2127.438+/-0.300 χ^2/NDF:273016.7/37

Out: 2107.948+/-0.296 χ^2/NDF:345219.6/40

All: 2117.572+/-0.211 χ^2/NDF: 620371.6/78



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1201.069+/-304.899 χ^2/NDF:65.3/22

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: -396.952+/-216.799 χ^2/NDF: 98.2/44

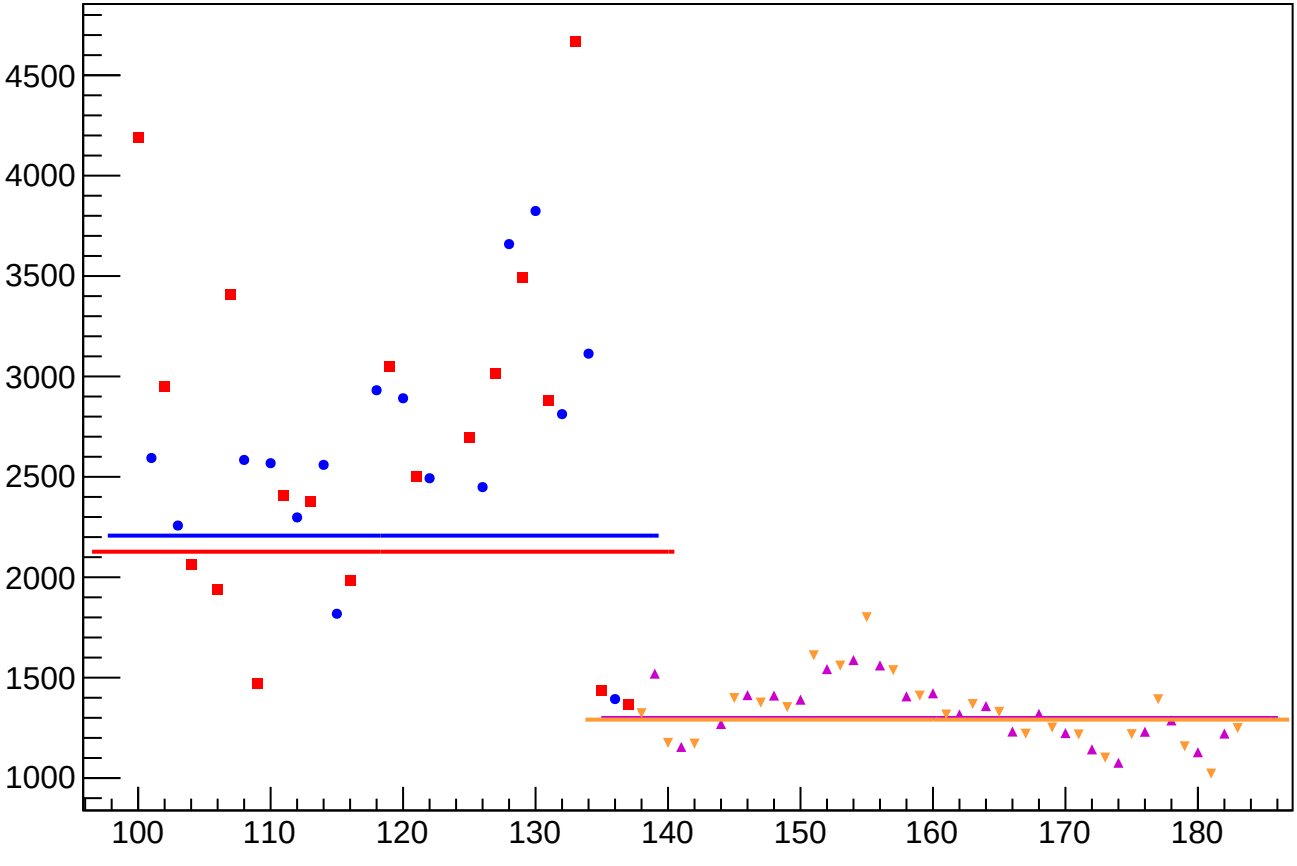
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 192.374+/-290.334 χ^2/NDF:46.7/37

Out: -902.974+/-286.619 χ^2/NDF:87.0/40

All: -362.351+/-203.971 χ^2/NDF: 140.9/78

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: 1291.061+/-0.216 χ^2/NDF:566496.3/22

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1299.262+/-0.218 χ^2/NDF:430391.1/21

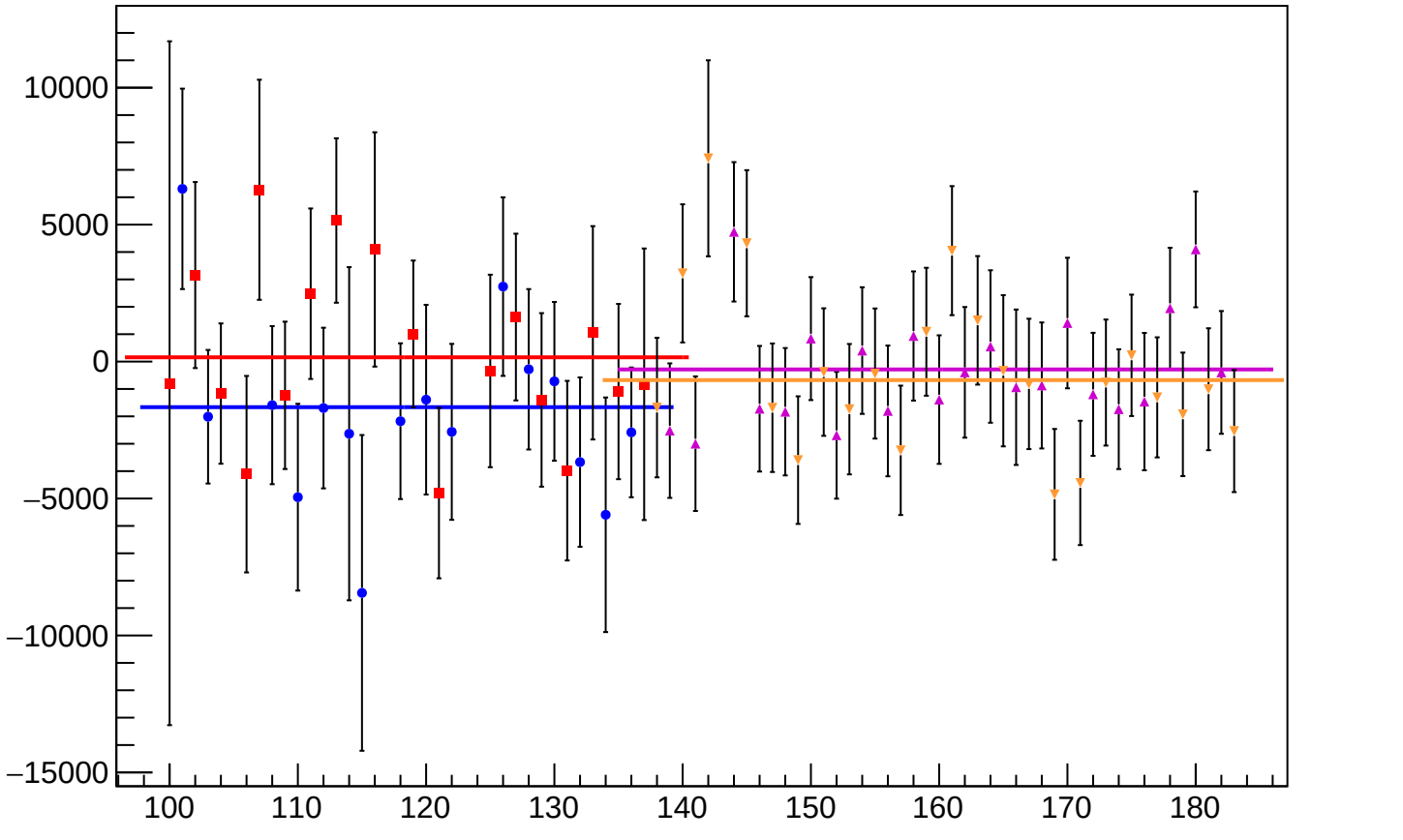
Left: 1295.116+/-0.153 χ^2/NDF: 997602.7/44

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1402.168+/-0.205 χ^2/NDF:3645368.2/37

Out: 1388.316+/-0.203 χ^2/NDF:3774071.7/40

All: 1395.153+/-0.144 χ^2/NDF: 7421745.5/78



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -676.051+/-497.749 χ^2/NDF:26.9/22

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -286.796+/-502.600 χ^2/NDF:15.9/21

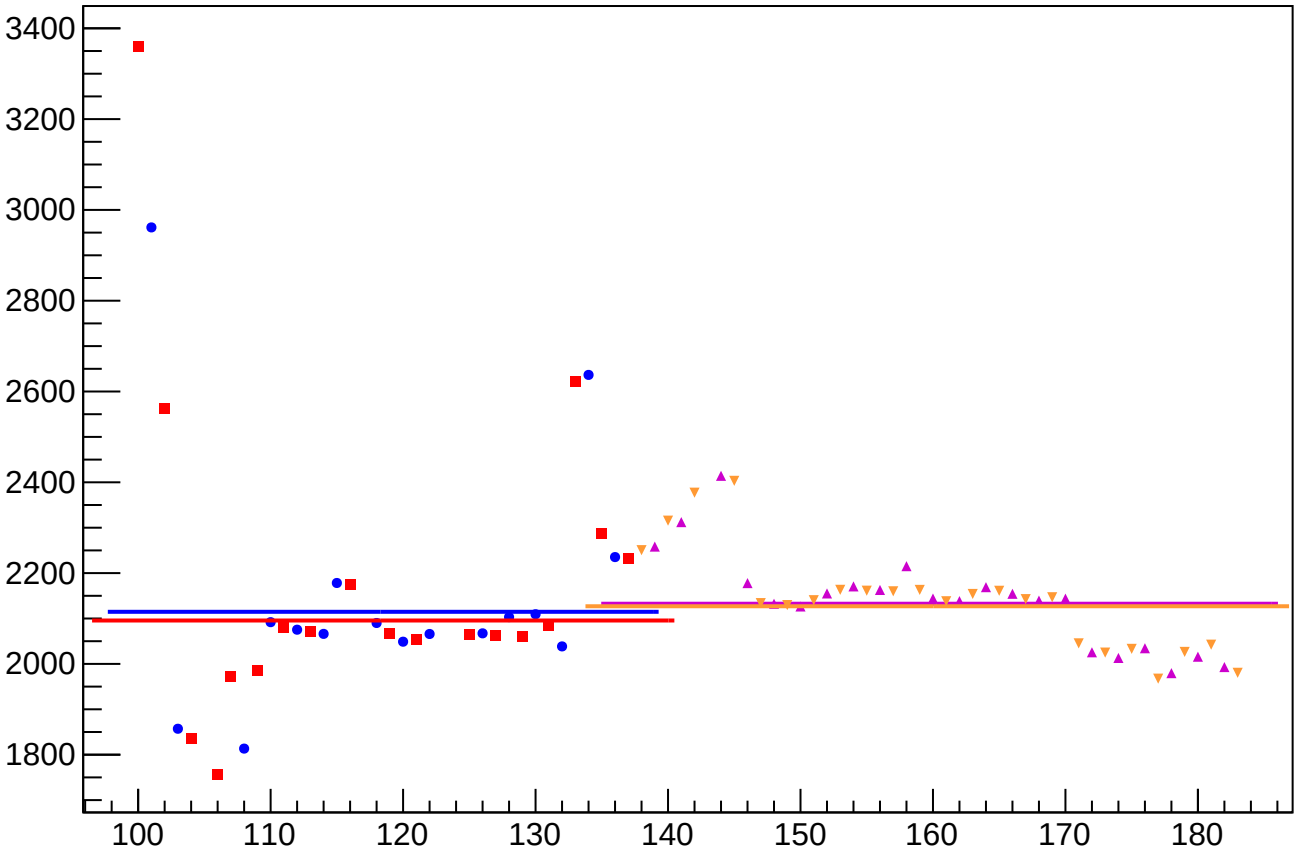
Left: -483.311+/-353.664 χ^2/NDF: 43.1/44

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -682.134+/-424.389 χ^2/NDF:28.9/37

Out: -437.726+/-420.441 χ^2/NDF:41.9/40

All: -558.788+/-298.682 χ^2/NDF: 70.9/78



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2126.977+/-0.352 χ^2/NDF:85984.2/22

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: 2129.733+/-0.250 χ^2/NDF: 168485.1/44

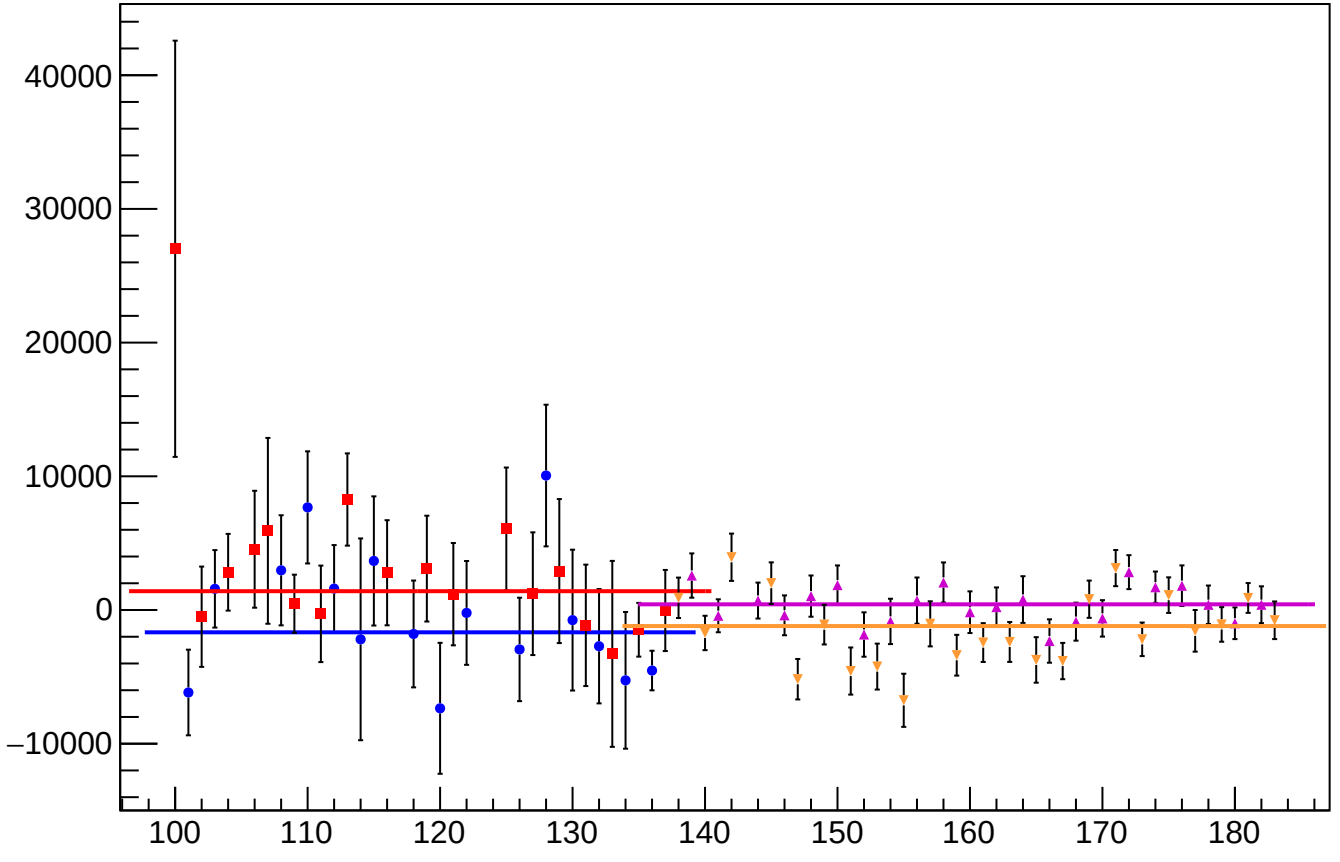
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2127.438+/-0.300 χ^2/NDF:273017.0/37

Out: 2117.986+/-0.297 χ^2/NDF:237622.2/40

All: 2122.668+/-0.211 χ^2/NDF: 511139.8/78

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: -1201.043+/-304.901 χ^2/NDF:65.3/22

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: -396.998+/-216.801 χ^2/NDF: 98.2/44

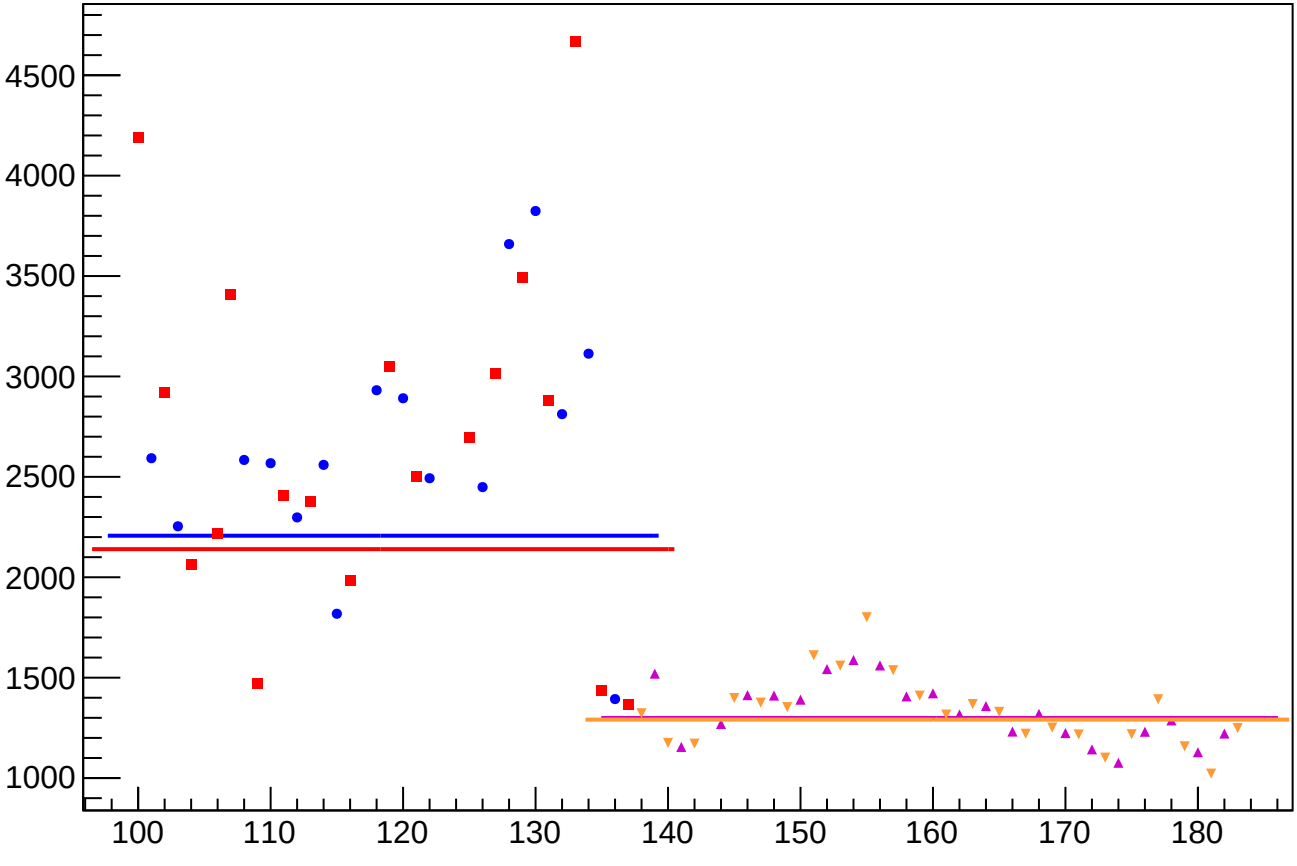
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 187.808+/-290.323 χ^2/NDF:46.6/37

Out: -901.783+/-286.882 χ^2/NDF:86.7/40

All: -363.482+/-204.062 χ^2/NDF: 140.4/78

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1291.073+/-0.216 χ^2/NDF:566428.7/22

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1299.264+/-0.218 χ^2/NDF:430404.2/21

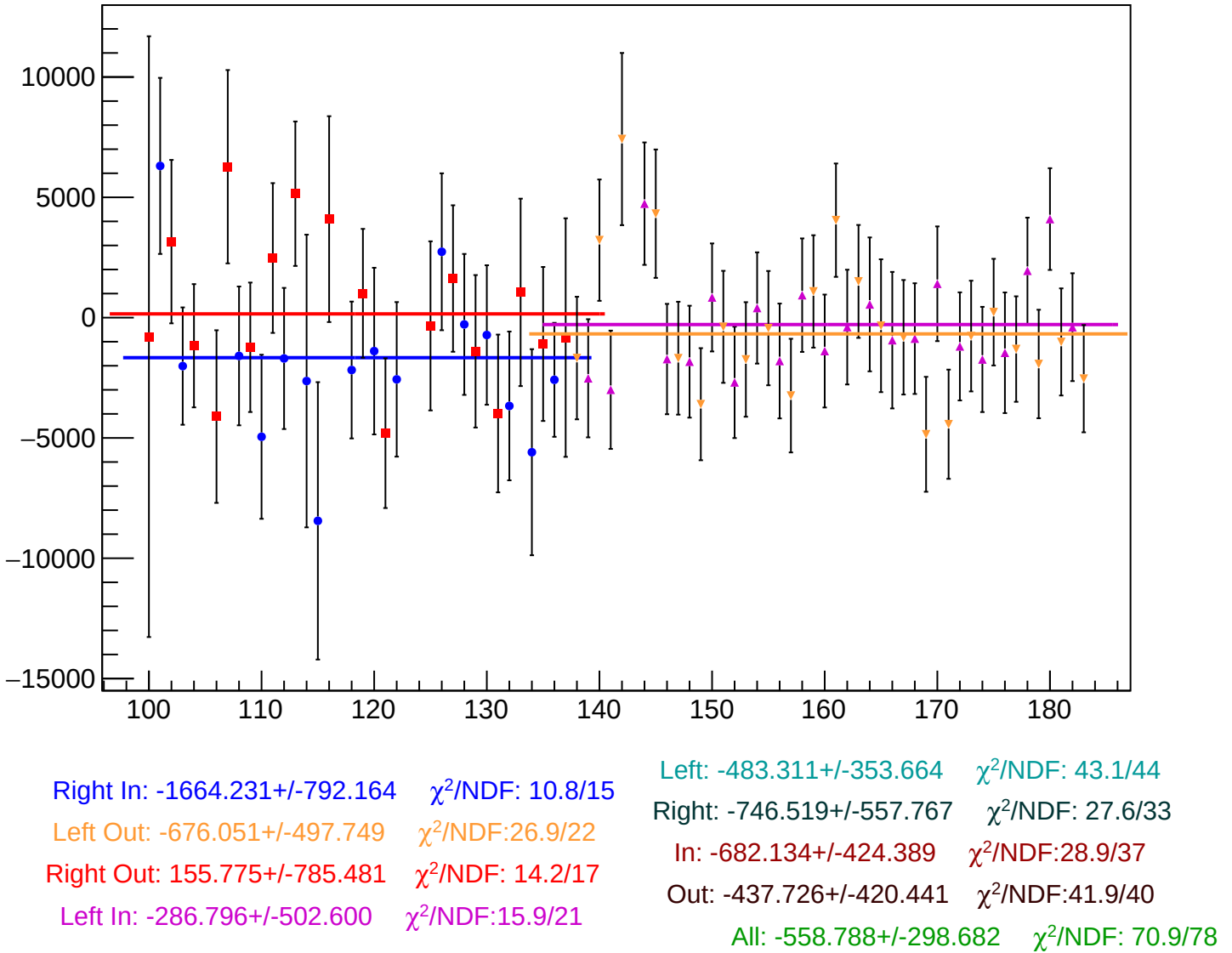
Left: 1295.123+/-0.153 χ^2/NDF: 997546.6/44

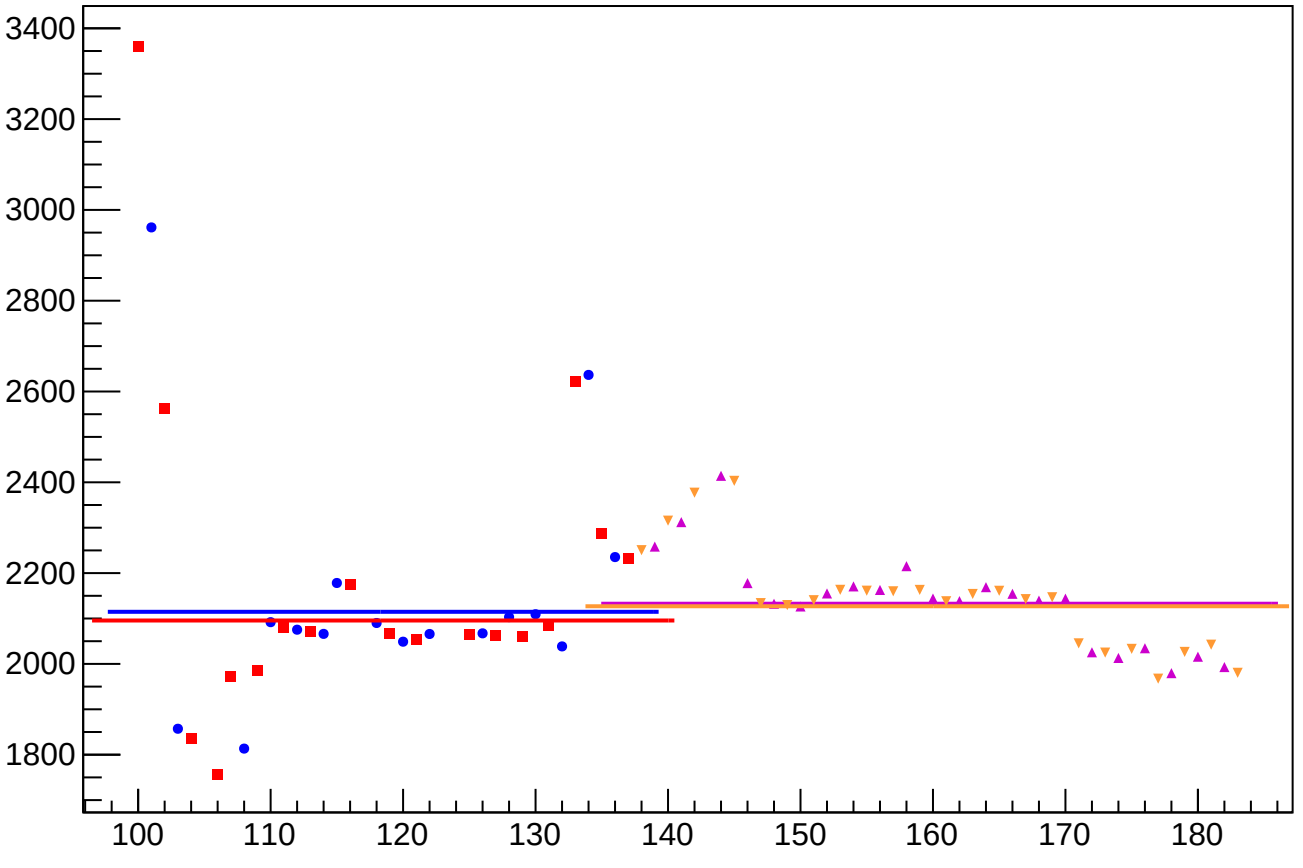
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1402.194+/-0.205 χ^2/NDF:3644848.7/37

Out: 1388.453+/-0.203 χ^2/NDF:3793422.0/40

All: 1395.242+/-0.144 χ^2/NDF: 7440537.6/78


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: -676.051+/-497.749 χ²/NDF:26.9/22
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -286.796+/-502.600 χ²/NDF:15.9/21
Left: -483.311+/-353.664 χ²/NDF: 43.1/44
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -682.134+/-424.389 χ²/NDF:28.9/37
Out: -437.726+/-420.441 χ²/NDF:41.9/40
All: -558.788+/-298.682 χ²/NDF: 70.9/78



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2126.977+/-0.352 χ^2/NDF:85984.2/22

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: 2129.733+/-0.250 χ^2/NDF: 168485.1/44

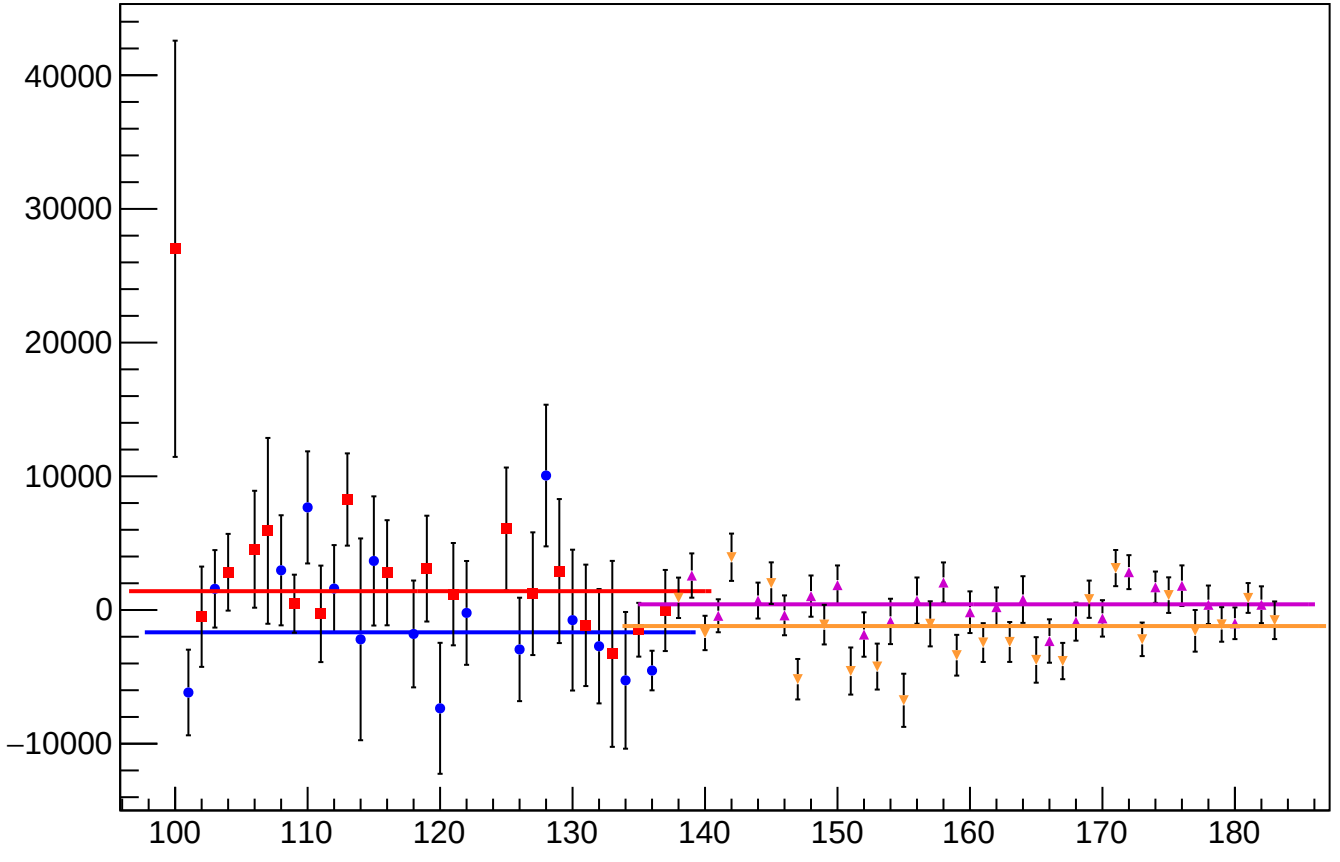
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2127.438+/-0.300 χ^2/NDF:273017.0/37

Out: 2117.986+/-0.297 χ^2/NDF:237622.2/40

All: 2122.668+/-0.211 χ^2/NDF: 511139.8/78

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: -1201.043+/-304.901 χ^2/NDF:65.3/22

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: -396.998+/-216.801 χ^2/NDF: 98.2/44

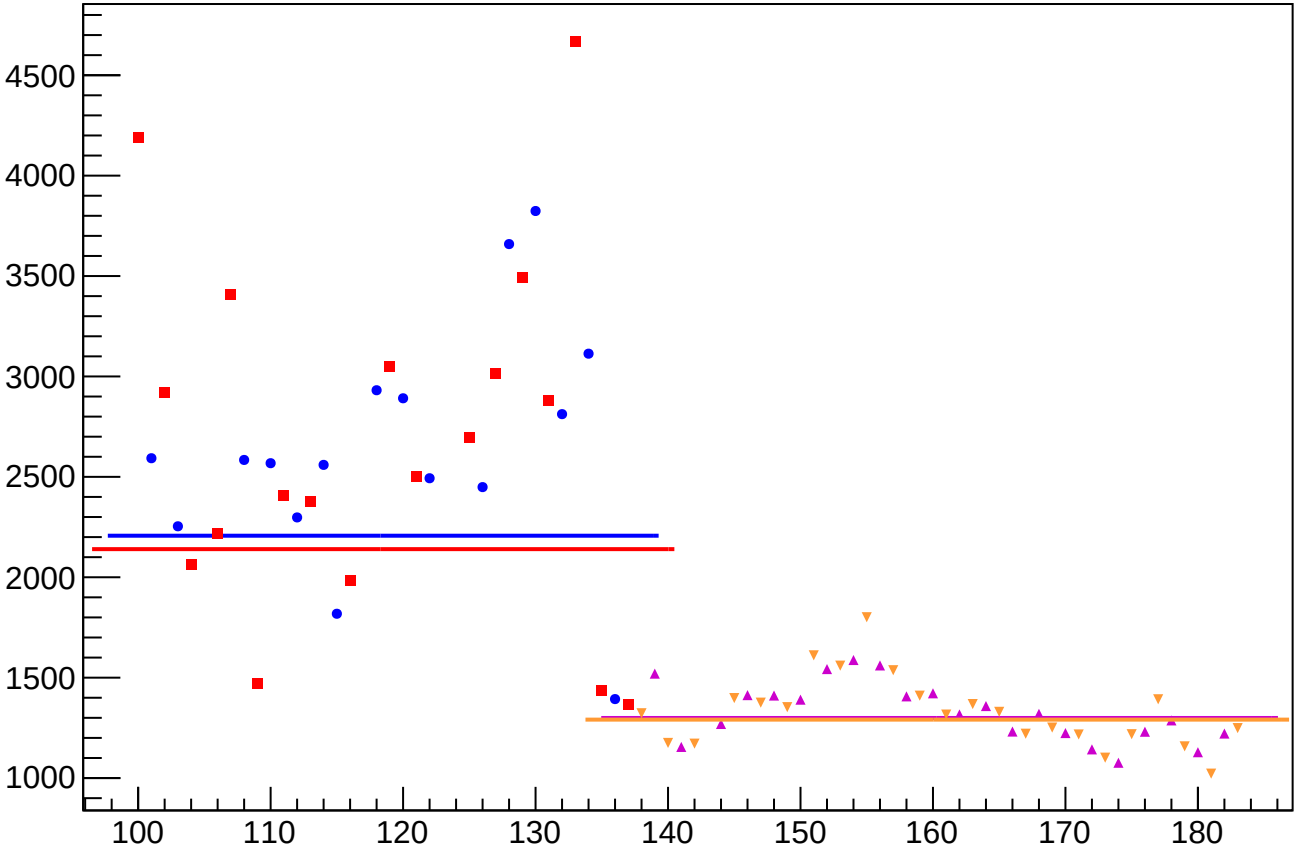
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 187.808+/-290.323 χ^2/NDF:46.6/37

Out: -901.783+/-286.882 χ^2/NDF:86.7/40

All: -363.482+/-204.062 χ^2/NDF: 140.4/78

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: 1291.073+/-0.216 χ^2/NDF:566428.7/22

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1299.264+/-0.218 χ^2/NDF:430404.2/21

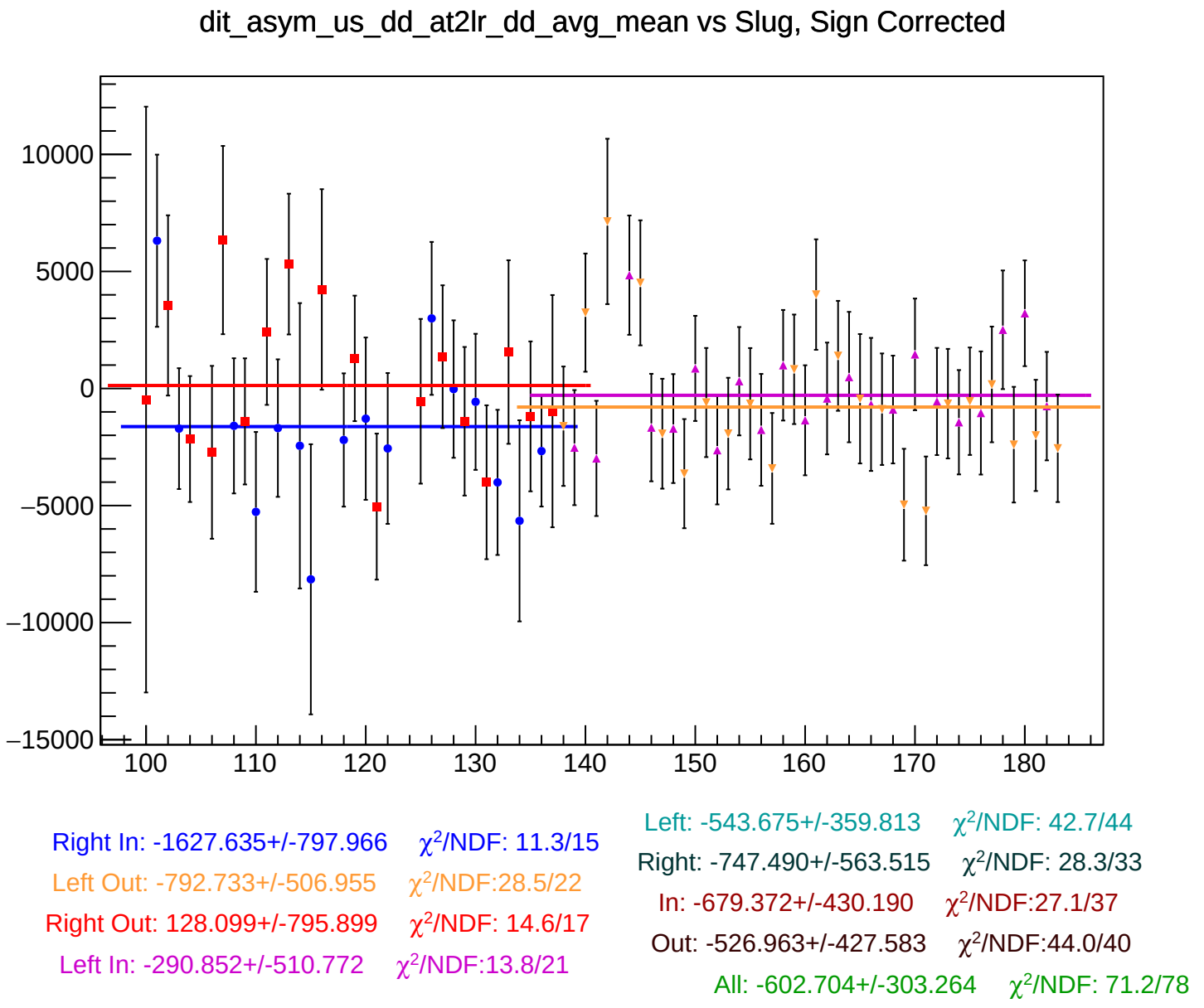
Left: 1295.123+/-0.153 χ^2/NDF: 997546.6/44

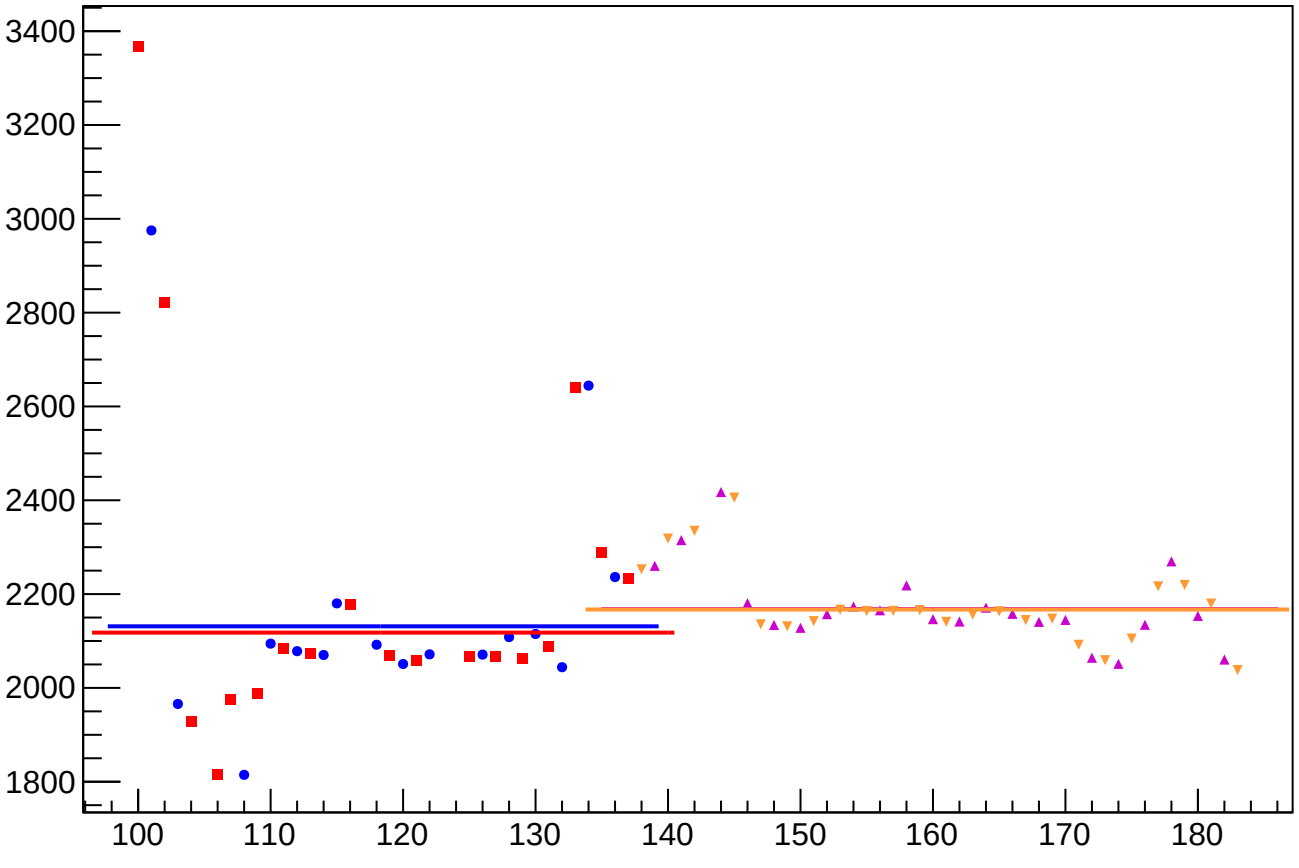
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1402.194+/-0.205 χ^2/NDF:3644848.7/37

Out: 1388.453+/-0.203 χ^2/NDF:3793422.0/40

All: 1395.242+/-0.144 χ^2/NDF: 7440537.6/78


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: -792.733+/-506.955 χ²/NDF:28.5/22
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -290.852+/-510.772 χ²/NDF:13.8/21
Left: -543.675+/-359.813 χ²/NDF: 42.7/44
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -679.372+/-430.190 χ²/NDF:27.1/37
Out: -526.963+/-427.583 χ²/NDF:44.0/40
All: -602.704+/-303.264 χ²/NDF: 71.2/78



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2167.110+/-0.358 χ^2/NDF:47495.0/22

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: 2167.589+/-0.254 χ^2/NDF: 97159.8/44

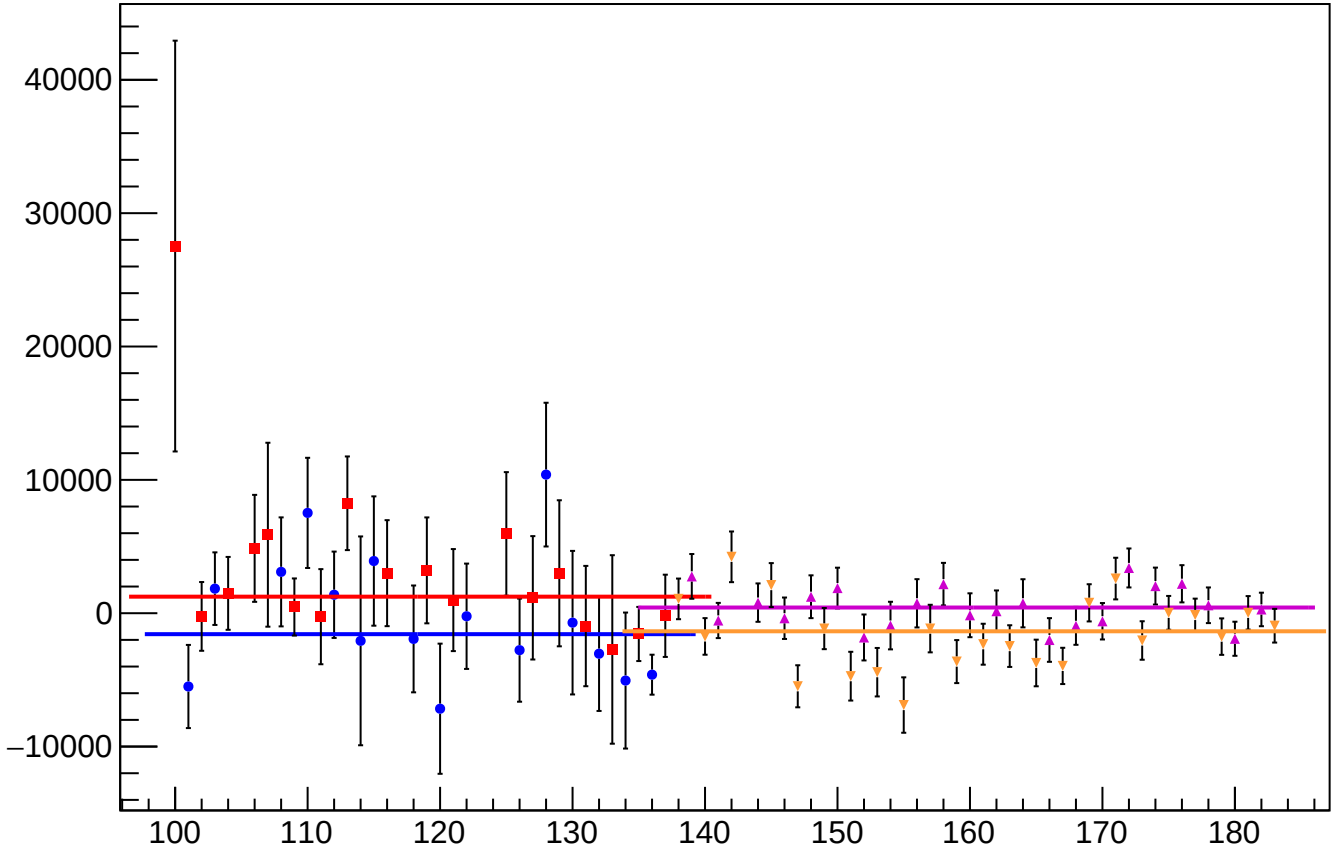
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2157.386+/-0.304 χ^2/NDF:228618.0/37

Out: 2152.898+/-0.302 χ^2/NDF:216564.1/40

All: 2155.128+/-0.214 χ^2/NDF: 445291.5/78

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: -1355.608+/-313.903 χ^2/NDF:56.8/22

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: -480.355+/-223.930 χ^2/NDF: 94.5/44

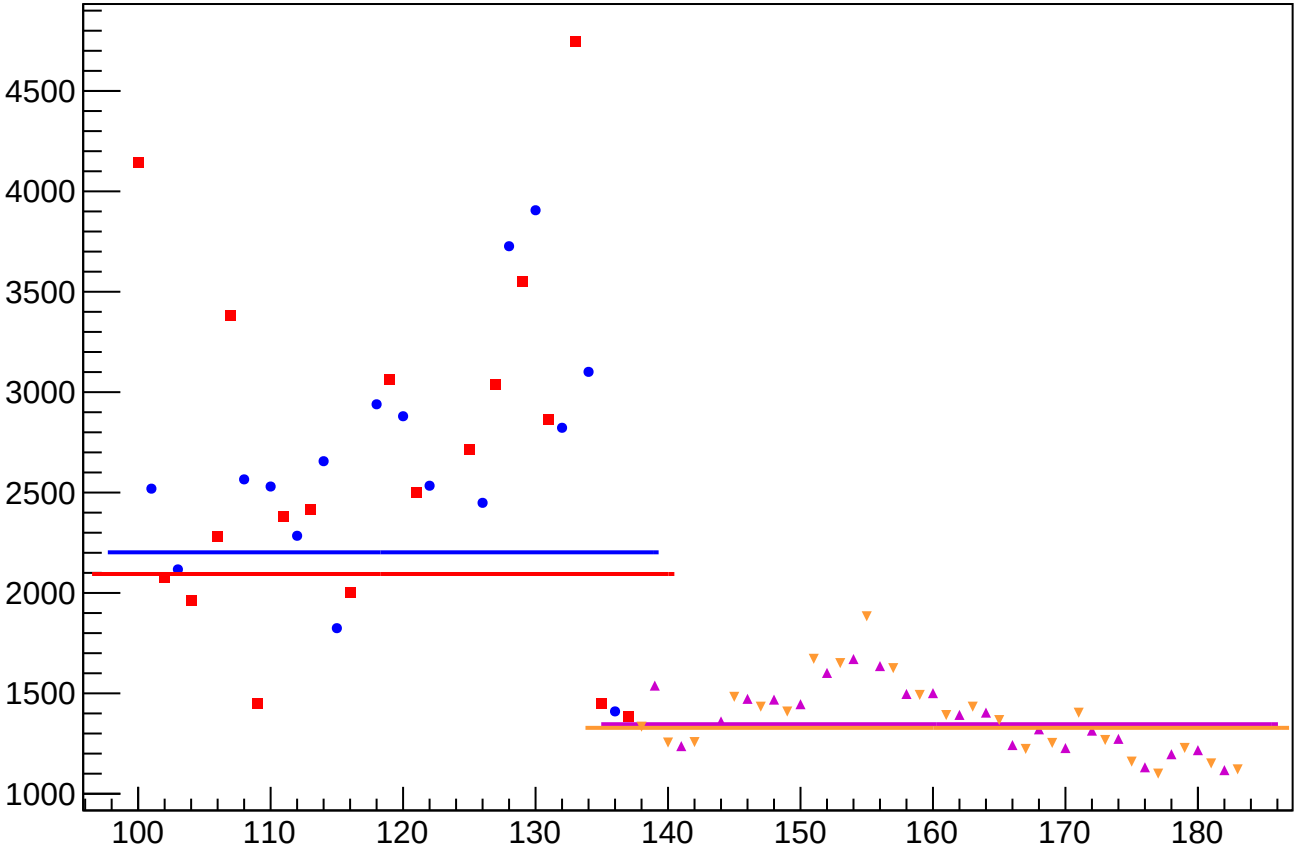
Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 184.168+/-299.524 χ^2/NDF:49.2/37

Out: -1023.570+/-293.146 χ^2/NDF:78.6/40

All: -432.695+/-209.504 χ^2/NDF: 136.2/78

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1328.241+/-0.222 χ^2/NDF:641008.4/22

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1346.333+/-0.226 χ^2/NDF:463341.4/21

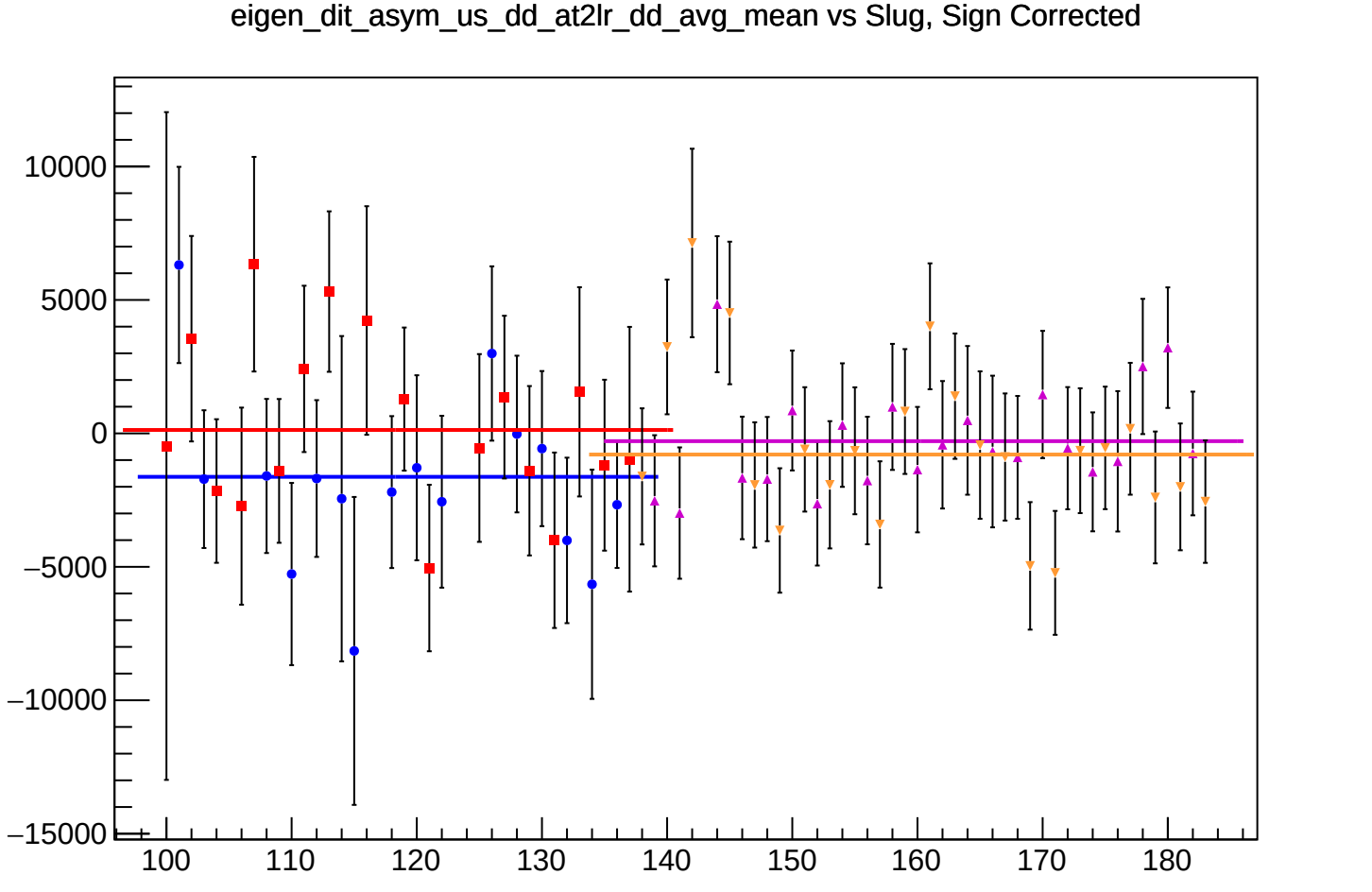
Left: 1337.126+/-0.158 χ^2/NDF: 1107612.8/44

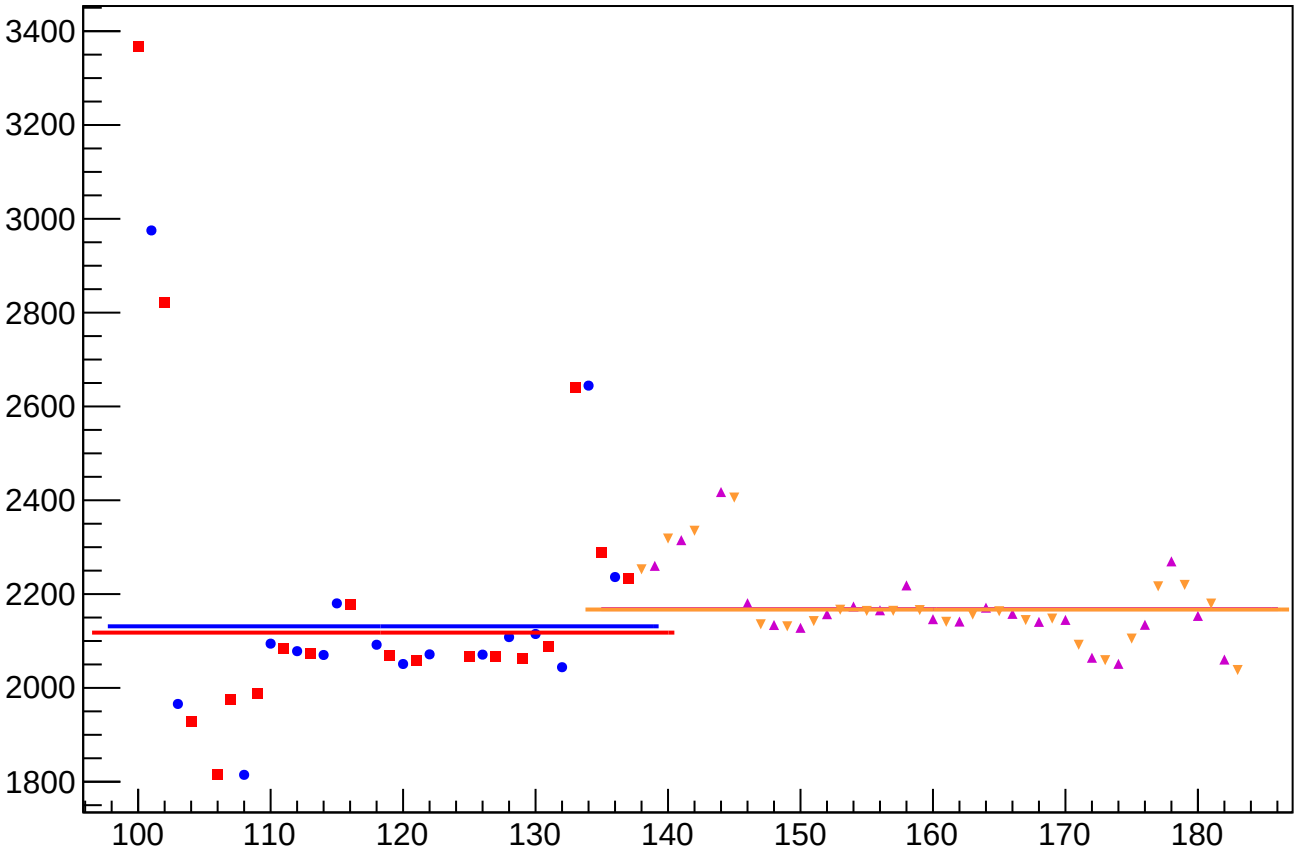
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1450.232+/-0.212 χ^2/NDF:3428437.0/37

Out: 1426.218+/-0.207 χ^2/NDF:3538419.9/40

All: 1437.967+/-0.148 χ^2/NDF: 6973423.4/78


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: -792.730+/-506.954 χ²/NDF:28.5/22
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -290.852+/-510.771 χ²/NDF:13.8/21
Left: -543.673+/-359.813 χ²/NDF: 42.7/44
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -679.372+/-430.190 χ²/NDF:27.1/37
Out: -526.963+/-427.583 χ²/NDF:44.0/40
All: -602.704+/-303.264 χ²/NDF: 71.2/78



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2167.110+/-0.358 χ^2/NDF:47495.1/22

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: 2167.588+/-0.254 χ^2/NDF: 97159.9/44

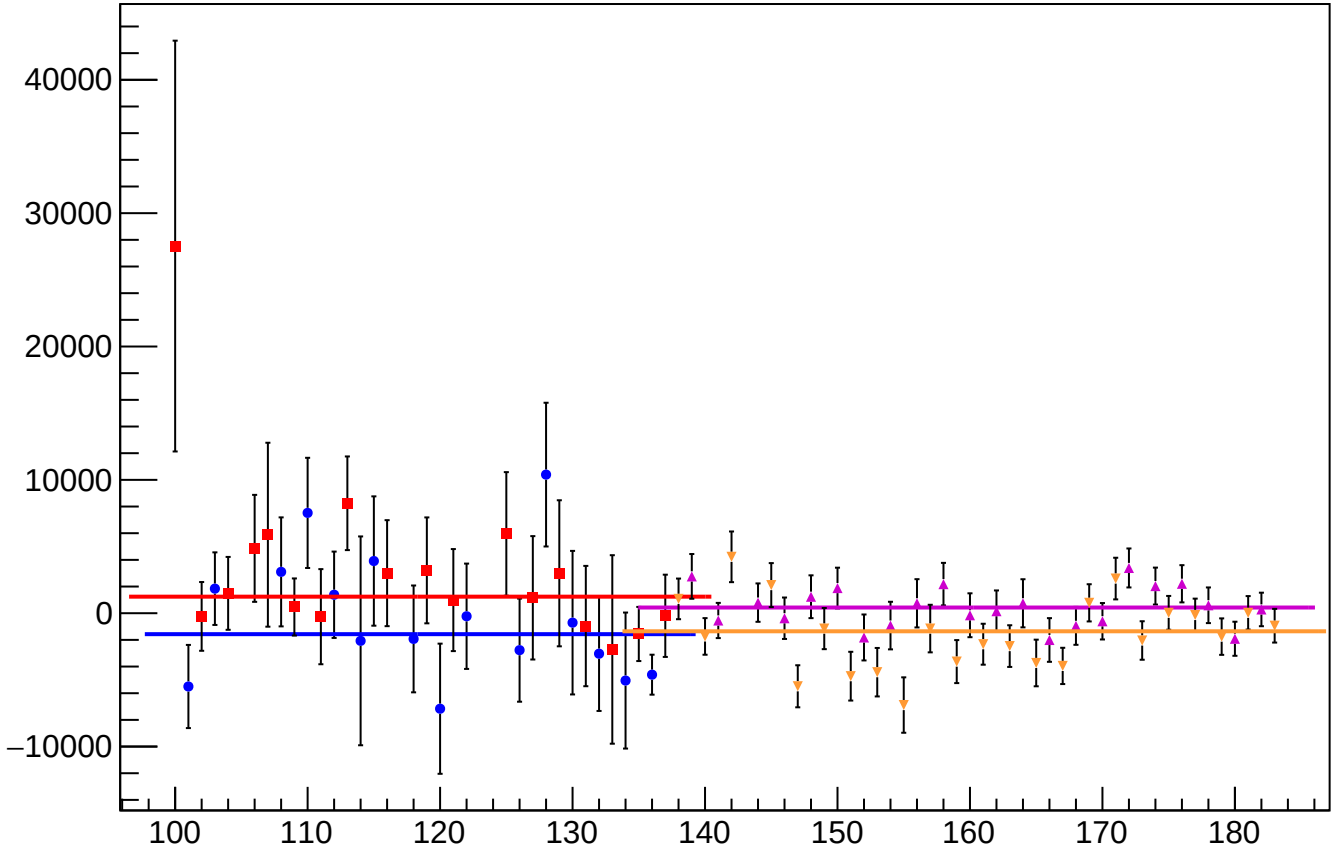
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2157.386+/-0.304 χ^2/NDF:228617.8/37

Out: 2152.897+/-0.302 χ^2/NDF:216563.9/40

All: 2155.128+/-0.214 χ^2/NDF: 445291.3/78

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: -1355.609+/-313.903 χ^2/NDF:56.8/22

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: -480.356+/-223.930 χ^2/NDF: 94.5/44

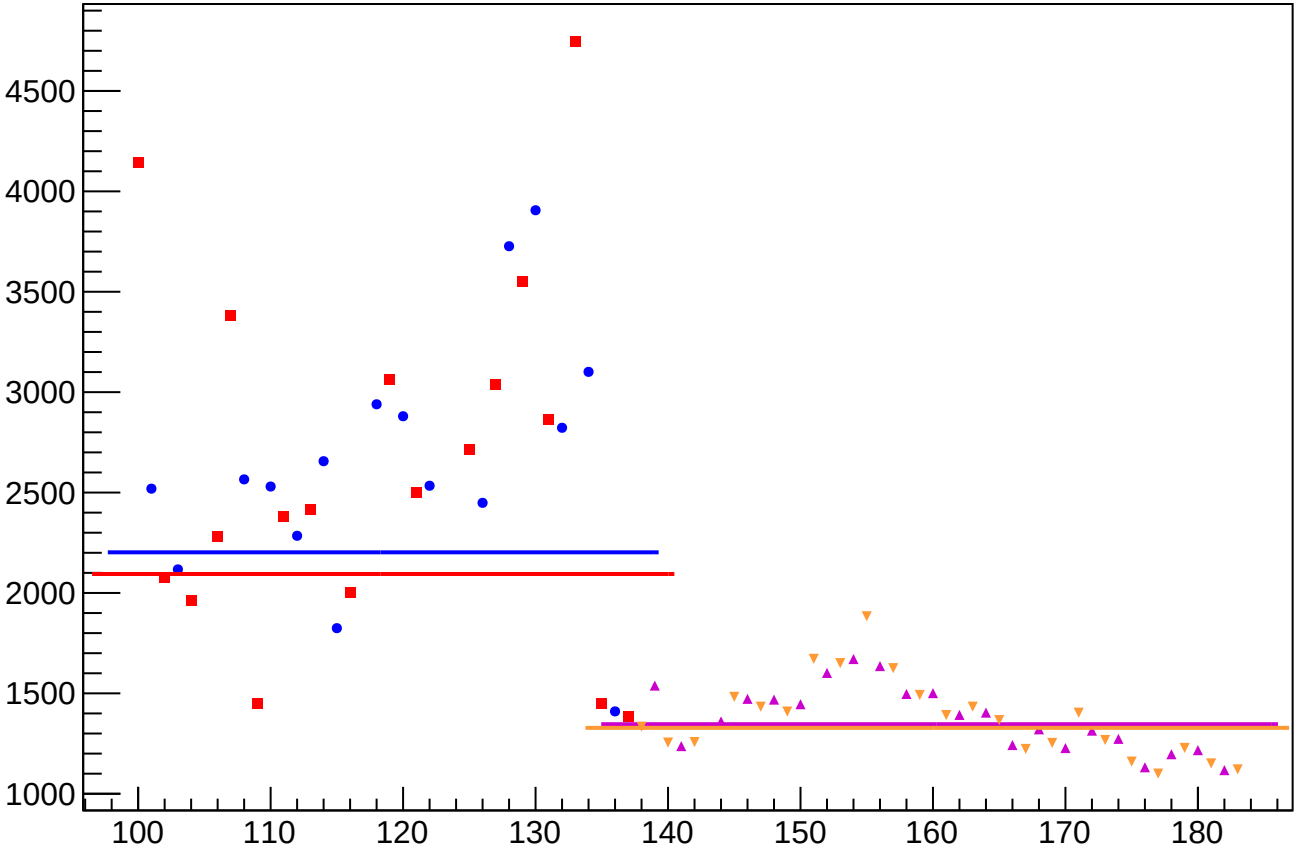
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 184.169+/-299.524 χ^2/NDF:49.2/37

Out: -1023.571+/-293.147 χ^2/NDF:78.6/40

All: -432.695+/-209.504 χ^2/NDF: 136.2/78

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: 1328.240+/-0.222 χ^2/NDF:641006.9/22

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1346.332+/-0.226 χ^2/NDF:463350.5/21

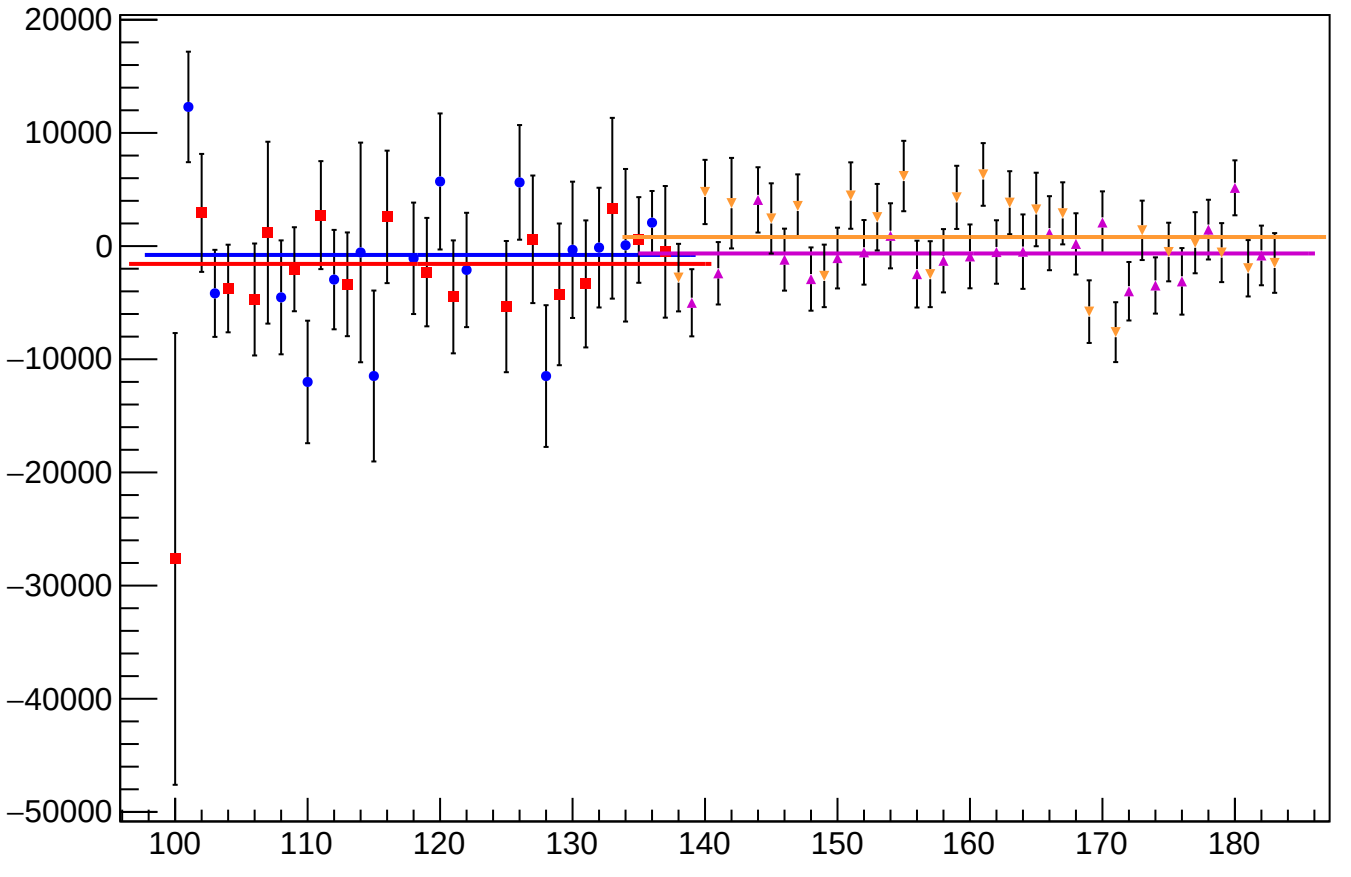
Left: 1337.125+/-0.158 χ^2/NDF: 1107620.0/44

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1450.232+/-0.212 χ^2/NDF:3428433.0/37

Out: 1426.218+/-0.207 χ^2/NDF:3538410.3/40

All: 1437.967+/-0.148 χ^2/NDF: 6973409.0/78



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 801.455+/-588.523 χ^2/NDF:39.2/22

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -651.876+/-593.064 χ^2/NDF:18.1/21

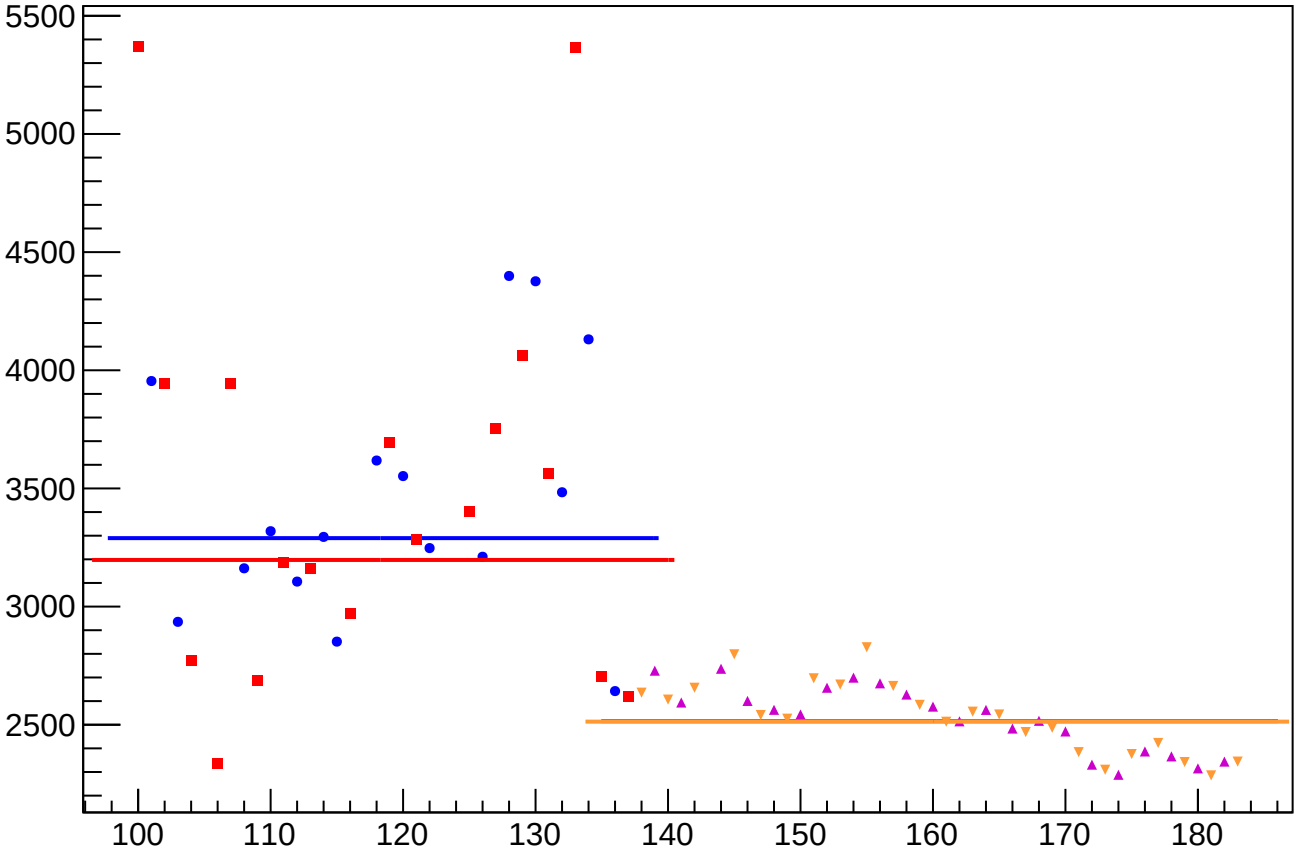
Left: 80.375+/-417.745 χ^2/NDF: 60.4/44

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -675.975+/-535.157 χ^2/NDF:40.0/37

Out: 352.277+/-529.985 χ^2/NDF:49.0/40

All: -156.856+/-376.571 χ^2/NDF: 90.9/78



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2513.146+/-0.416 χ^2/NDF:125286.8/22

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2515.099+/-0.419 χ^2/NDF:109830.4/21

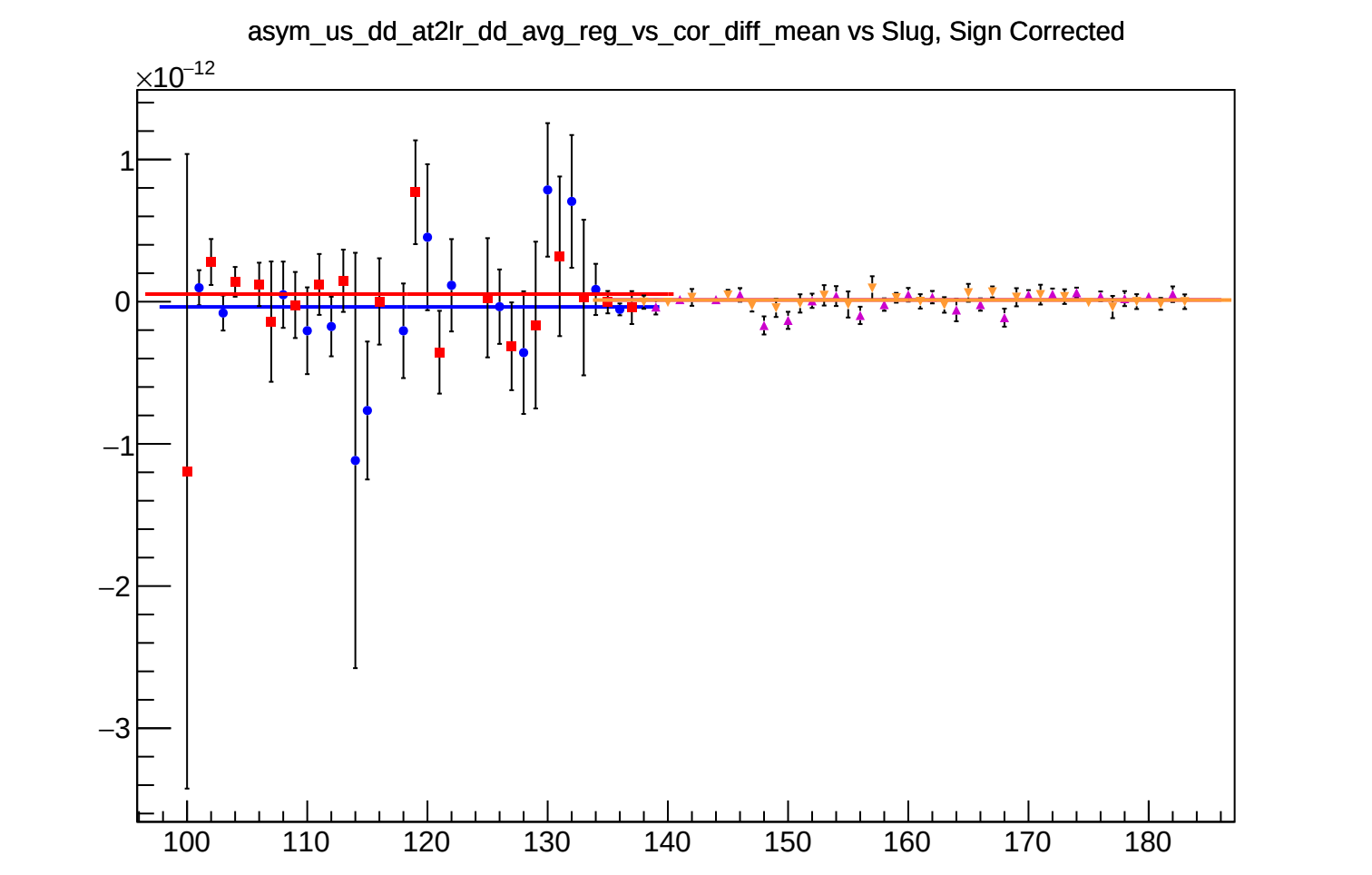
Left: 2514.115+/-0.295 χ^2/NDF: 235128.1/44

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2658.977+/-0.378 χ^2/NDF:1091139.7/37

Out: 2642.494+/-0.375 χ^2/NDF:1136271.9/40

All: 2650.655+/-0.266 χ^2/NDF: 2228369.3/78



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:30.7/21

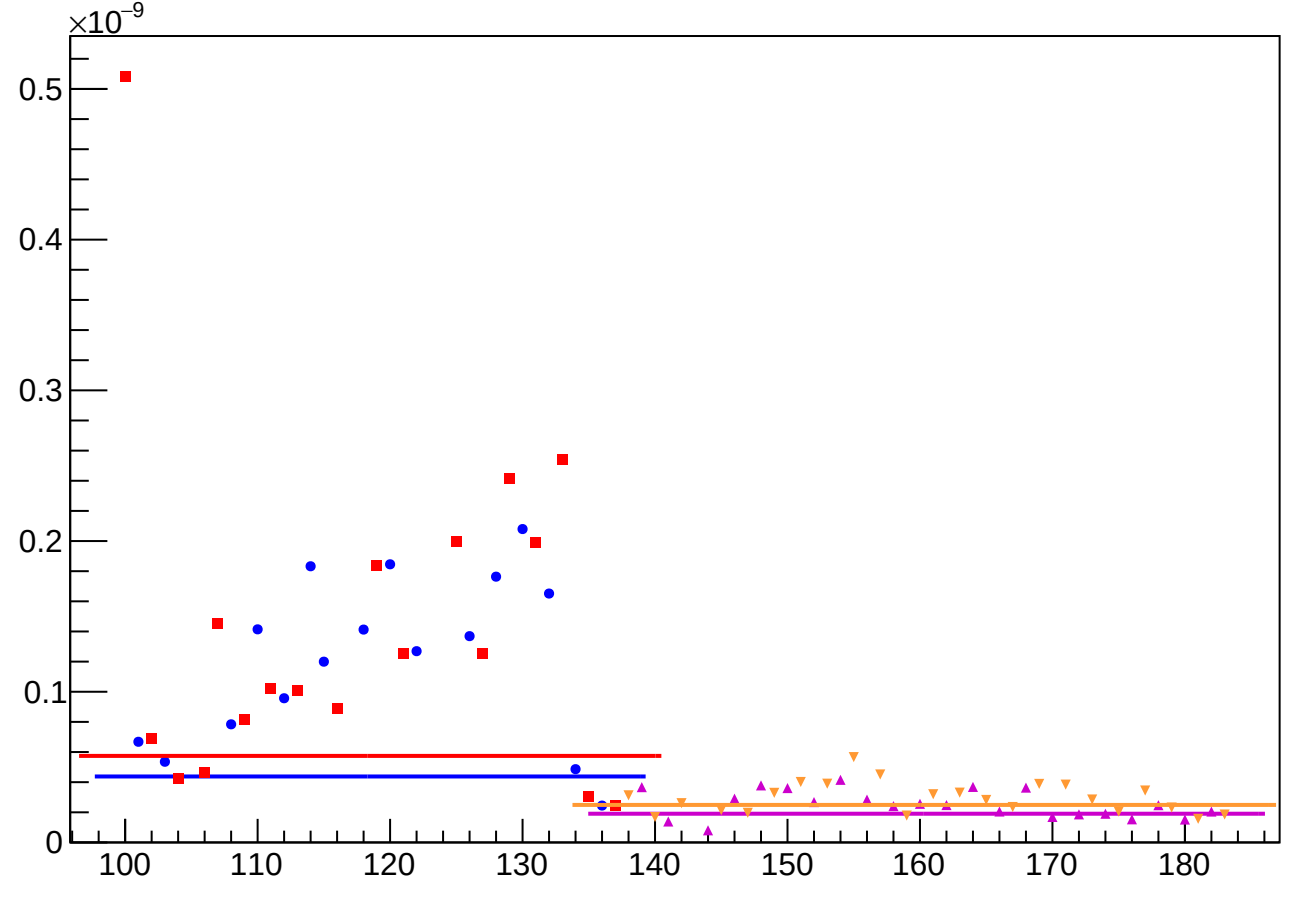
Left: 0.000+/-0.000 χ^2/NDF: 40.4/44

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:23.2/40

All: 0.000+/-0.000 χ^2/NDF: 69.1/78



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1354144.7/22

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: 3934452.1/44

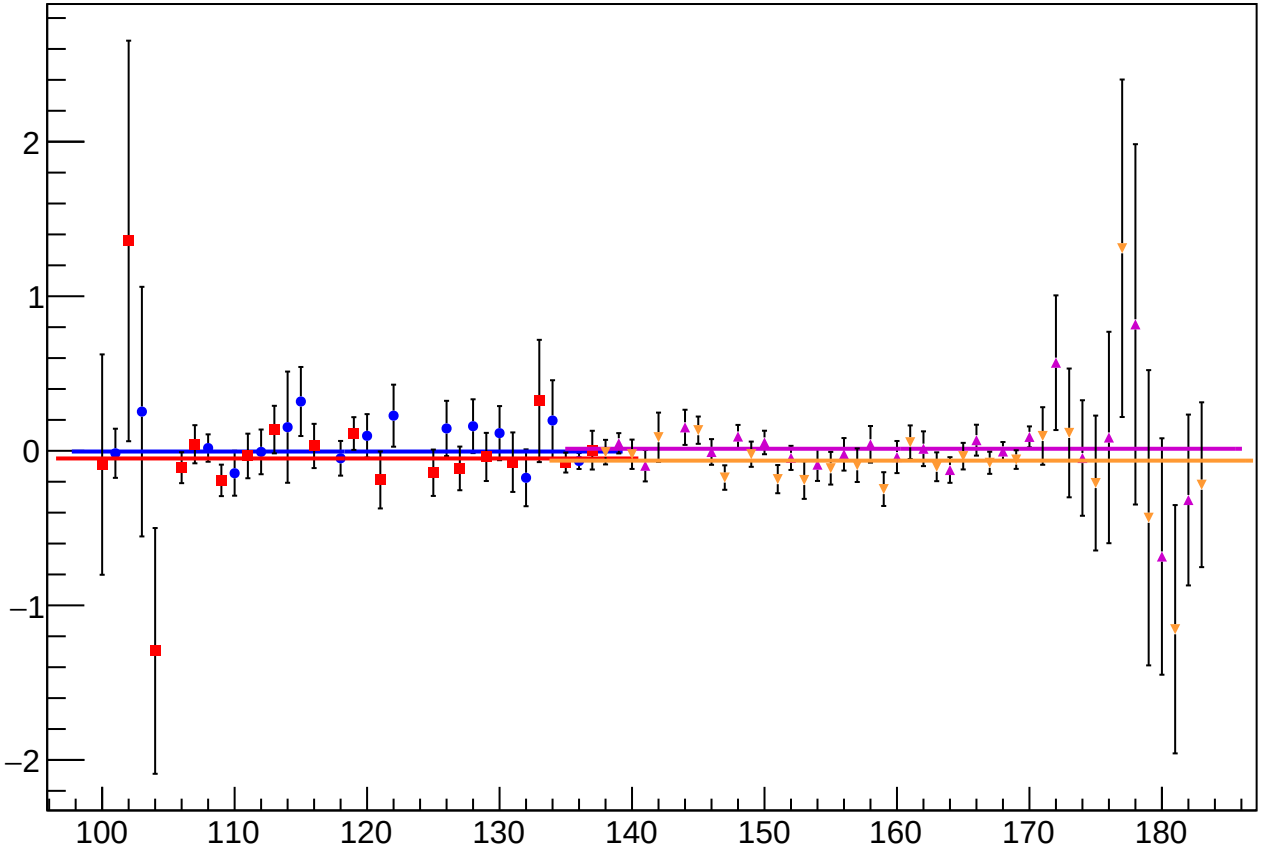
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5391019.0/37

Out: 0.000+/-0.000 χ^2/NDF:4509306.0/40

All: 0.000+/-0.000 χ^2/NDF: 10345426.2/78

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: -0.064+/-0.022 χ^2/NDF:20.9/22

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.013+/-0.021 χ^2/NDF:14.1/21

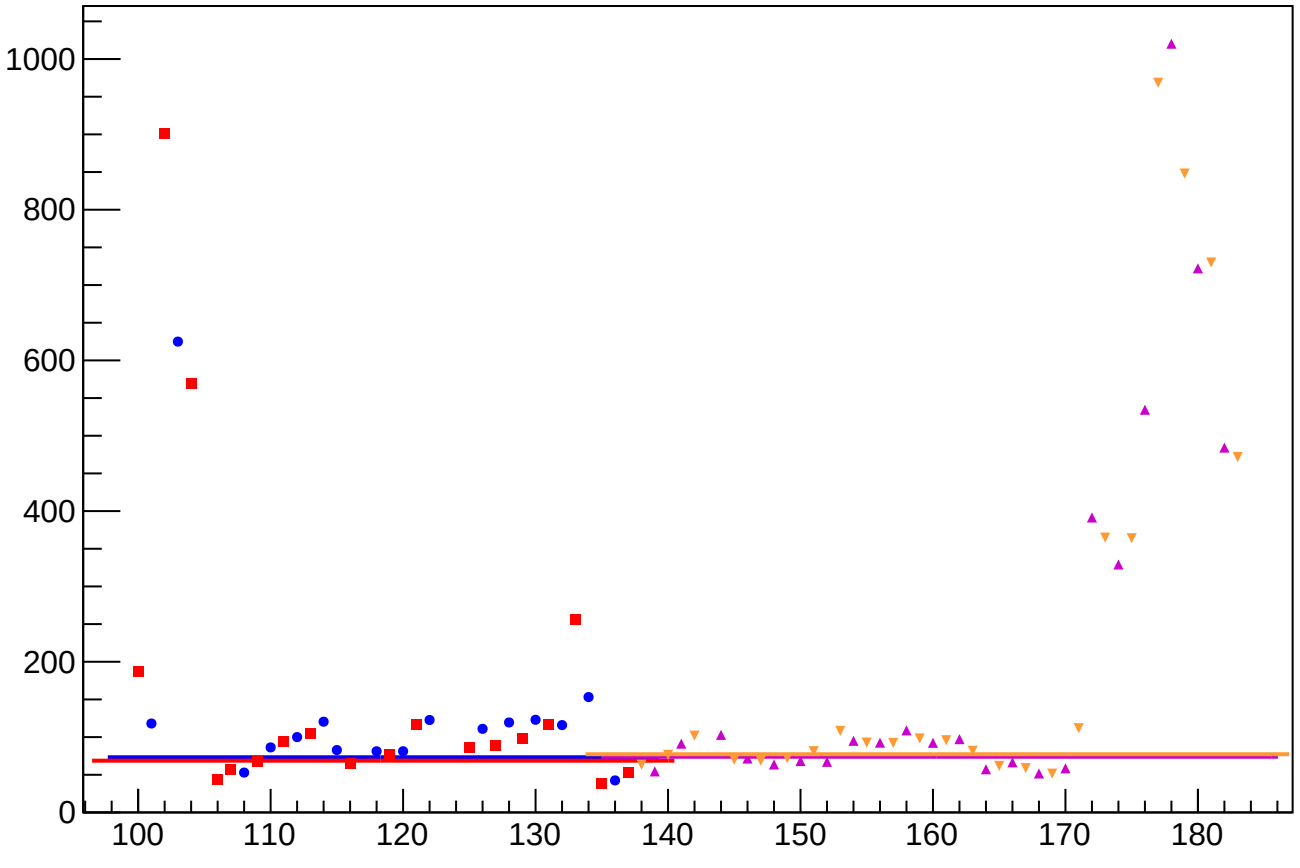
Left: -0.023+/-0.015 χ^2/NDF: 41.3/44

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:34.0/40

All: -0.025+/-0.013 χ^2/NDF: 65.6/78



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 77.270+/-0.016 χ^2/NDF:8003603.2/22

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: 75.538+/-0.011 χ^2/NDF: 16142139.1/44

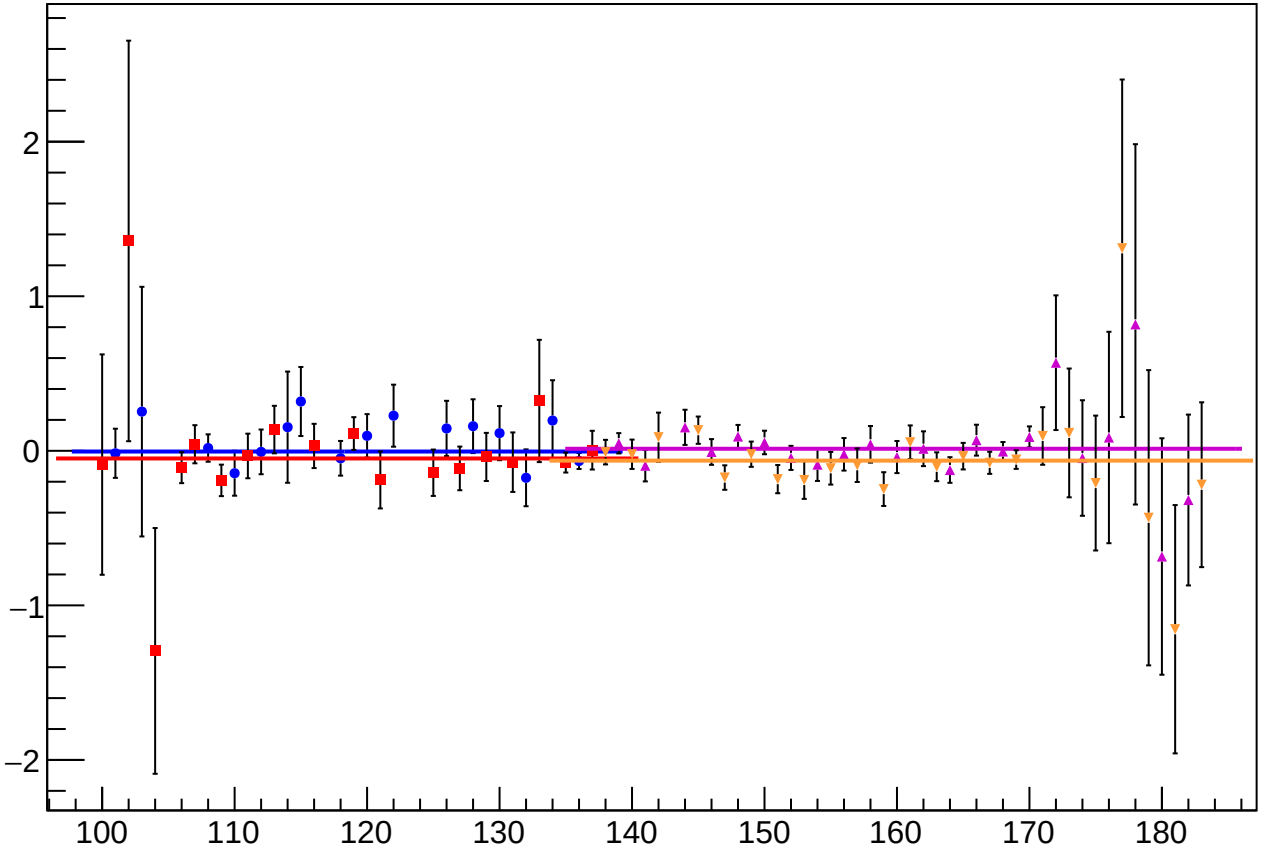
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 73.740+/-0.012 χ^2/NDF:10970379.8/37

Out: 74.468+/-0.013 χ^2/NDF:11433284.5/40

All: 74.094+/-0.009 χ^2/NDF: 22405317.1/78

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: -0.064+/-0.022 χ^2/NDF:20.9/22

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.013+/-0.021 χ^2/NDF:14.1/21

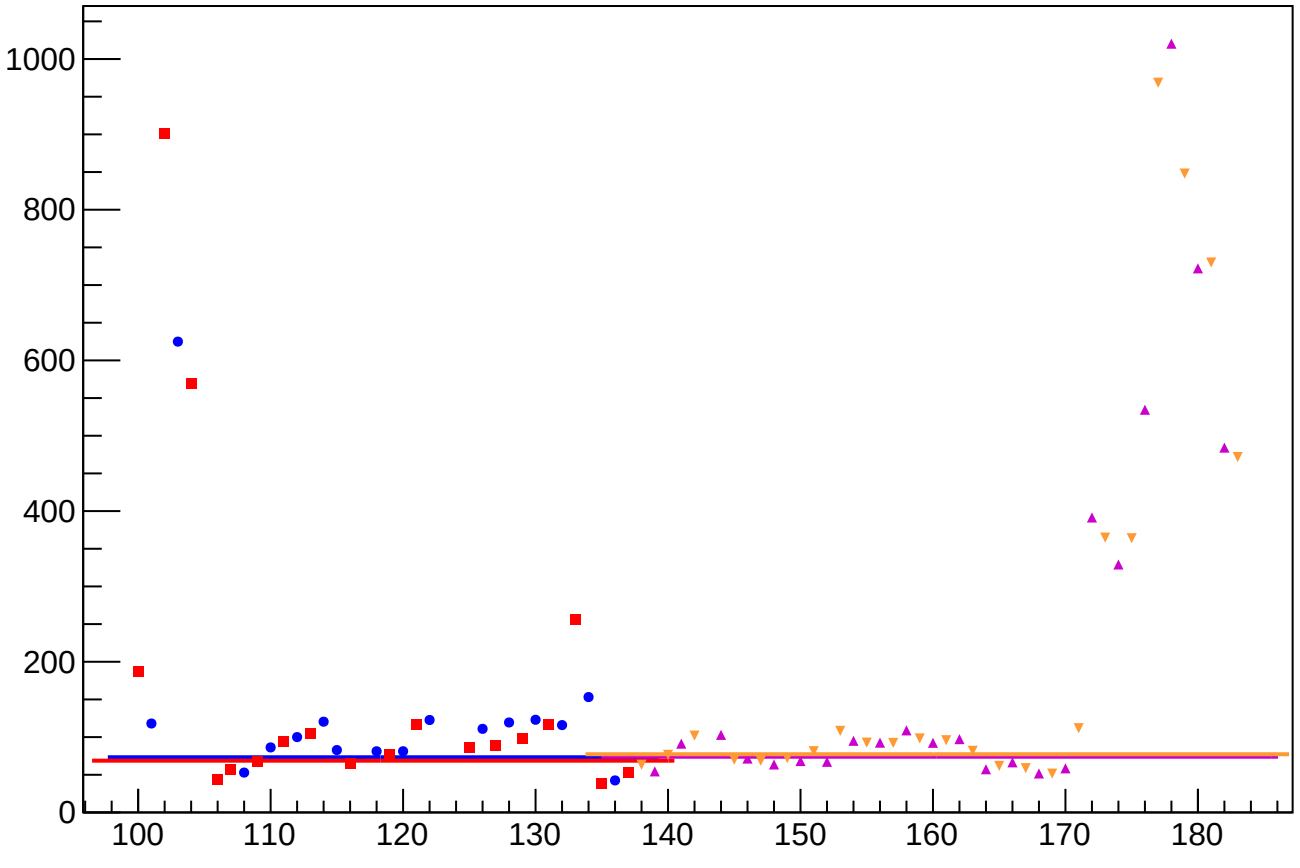
Left: -0.023+/-0.015 χ^2/NDF: 41.3/44

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:34.0/40

All: -0.025+/-0.013 χ^2/NDF: 65.6/78



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 77.270+/-0.016 χ^2/NDF:8003603.2/22

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 73.957+/-0.015 χ^2/NDF:8115075.6/21

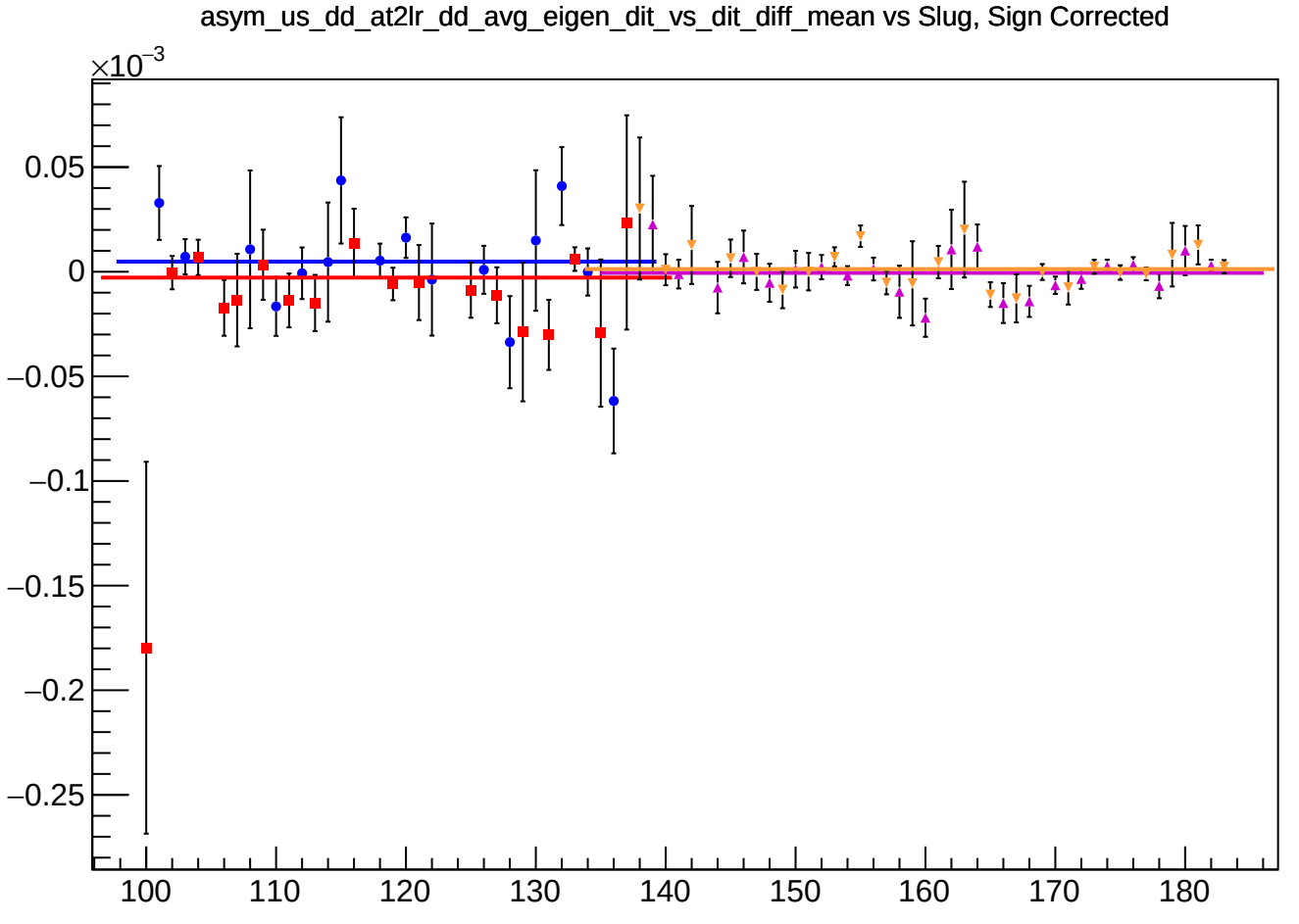
Left: 75.538+/-0.011 χ^2/NDF: 16142139.1/44

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 73.740+/-0.012 χ^2/NDF:10970379.8/37

Out: 74.468+/-0.013 χ^2/NDF:11433284.5/40

All: 74.094+/-0.009 χ^2/NDF: 22405317.1/78



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.8/22

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:24.1/21

Left: 0.000+/-0.000 χ^2/NDF: 51.0/44

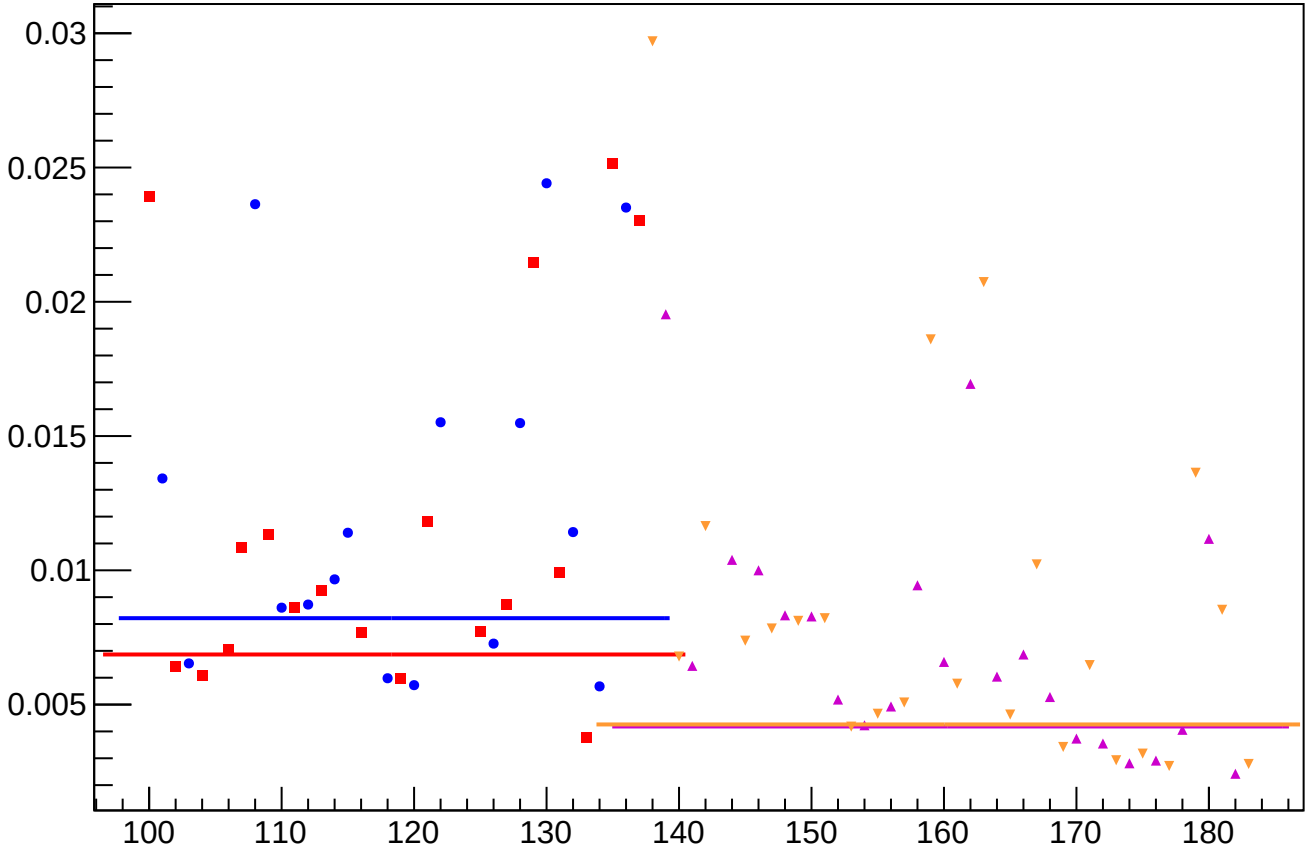
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:48.8/37

Out: 0.000+/-0.000 χ^2/NDF:44.3/40

All: 0.000+/-0.000 χ^2/NDF: 93.3/78

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:8637616.4/22

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: 15492068.0/44

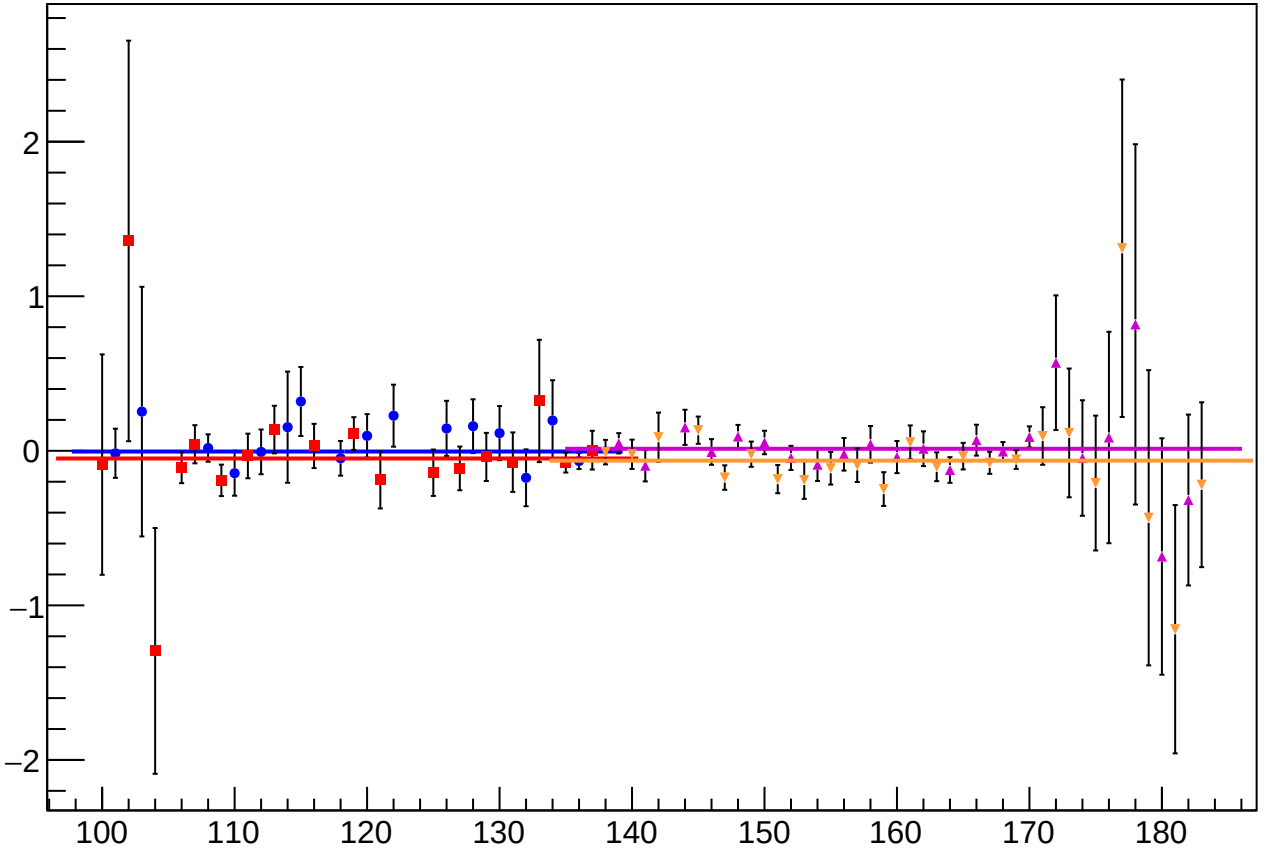
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.005+/-0.000 χ^2/NDF:11889682.7/37

Out: 0.005+/-0.000 χ^2/NDF:12506417.5/40

All: 0.005+/-0.000 χ^2/NDF: 24396587.5/78

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: -0.064+/-0.022 χ^2/NDF:20.9/22

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.013+/-0.021 χ^2/NDF:14.1/21

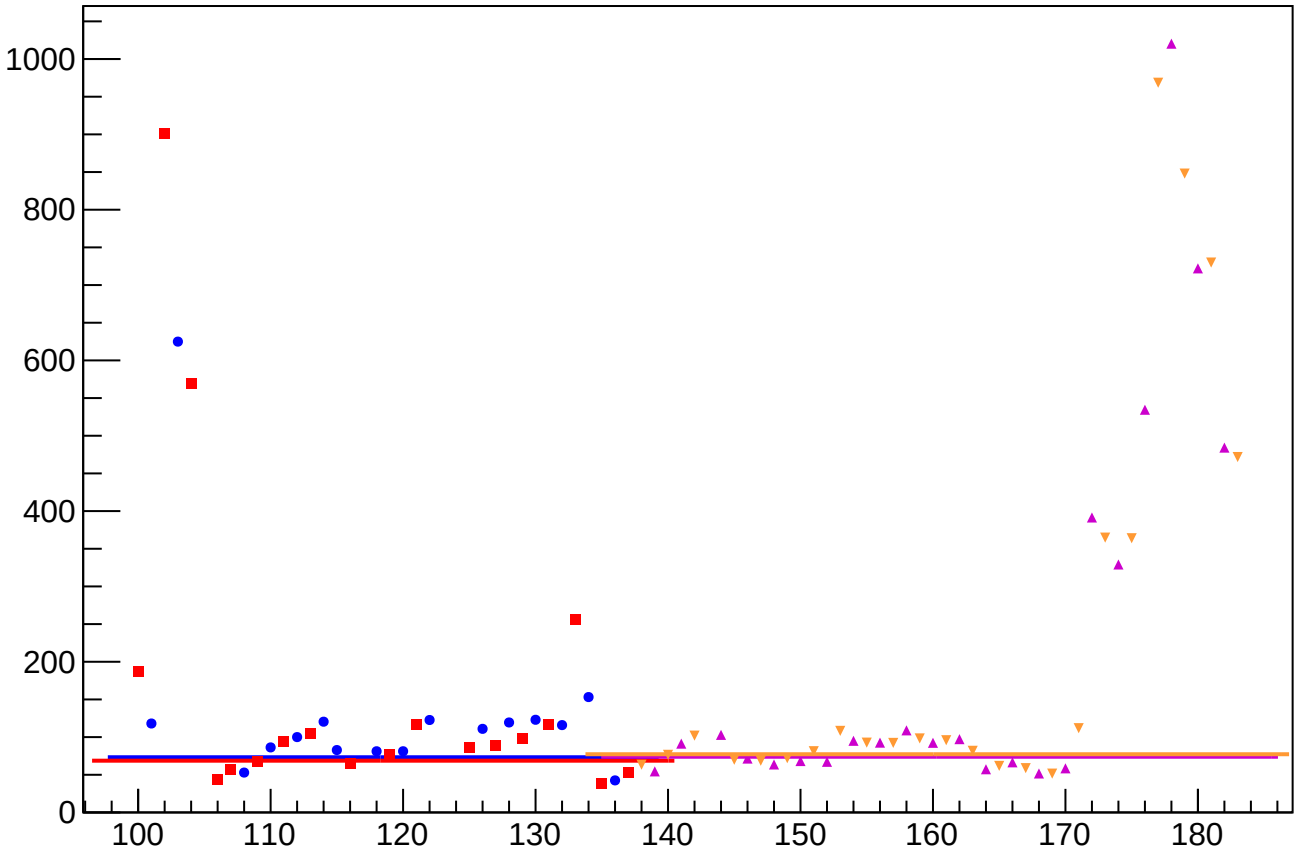
Left: -0.023+/-0.015 χ^2/NDF: 41.3/44

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:34.0/40

All: -0.025+/-0.013 χ^2/NDF: 65.6/78



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 77.270+/-0.016 χ^2/NDF:8003516.5/22

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: 75.539+/-0.011 χ^2/NDF: 16141744.9/44

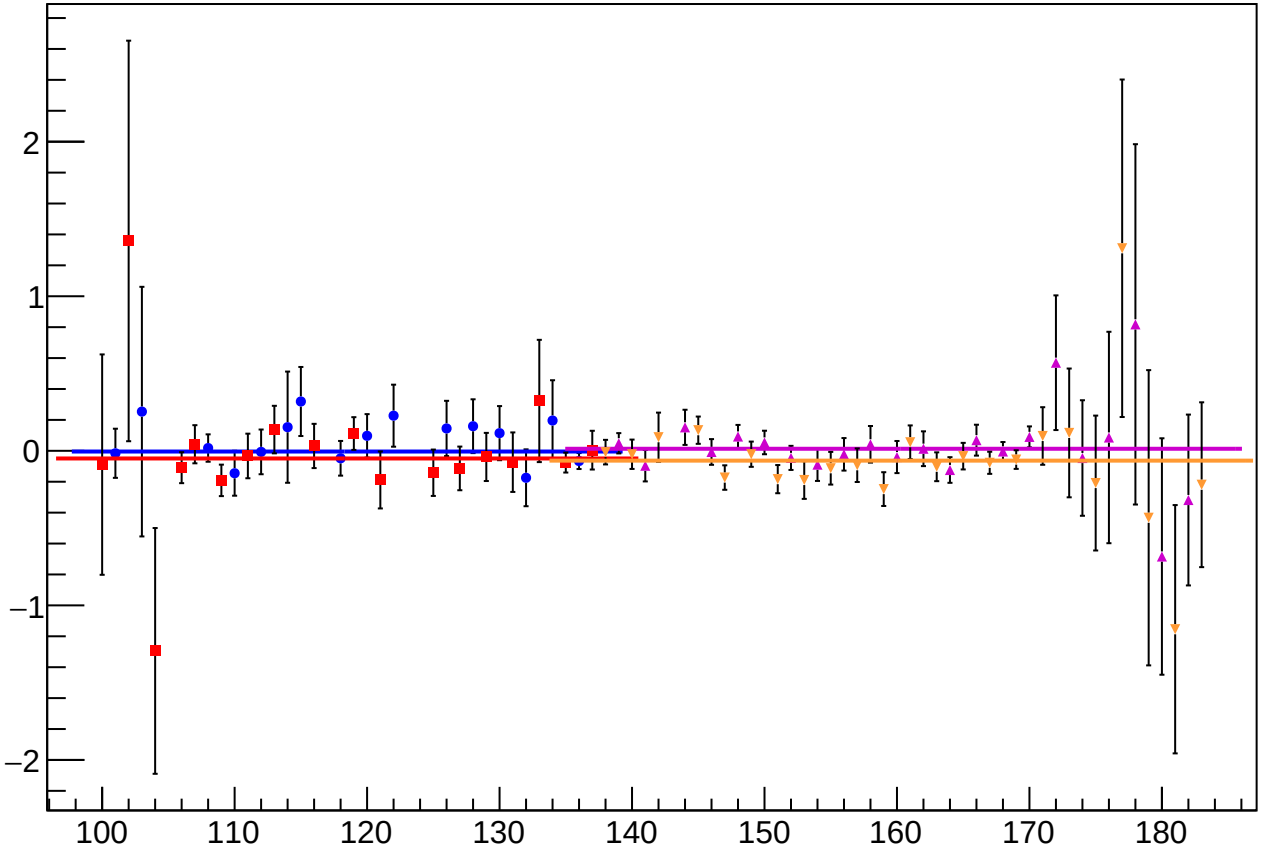
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 73.748+/-0.012 χ^2/NDF:10967754.3/37

Out: 74.463+/-0.013 χ^2/NDF:11434459.4/40

All: 74.097+/-0.009 χ^2/NDF: 22403809.5/78

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: -0.064+/-0.022 χ^2/NDF:20.9/22

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: 41.3/44

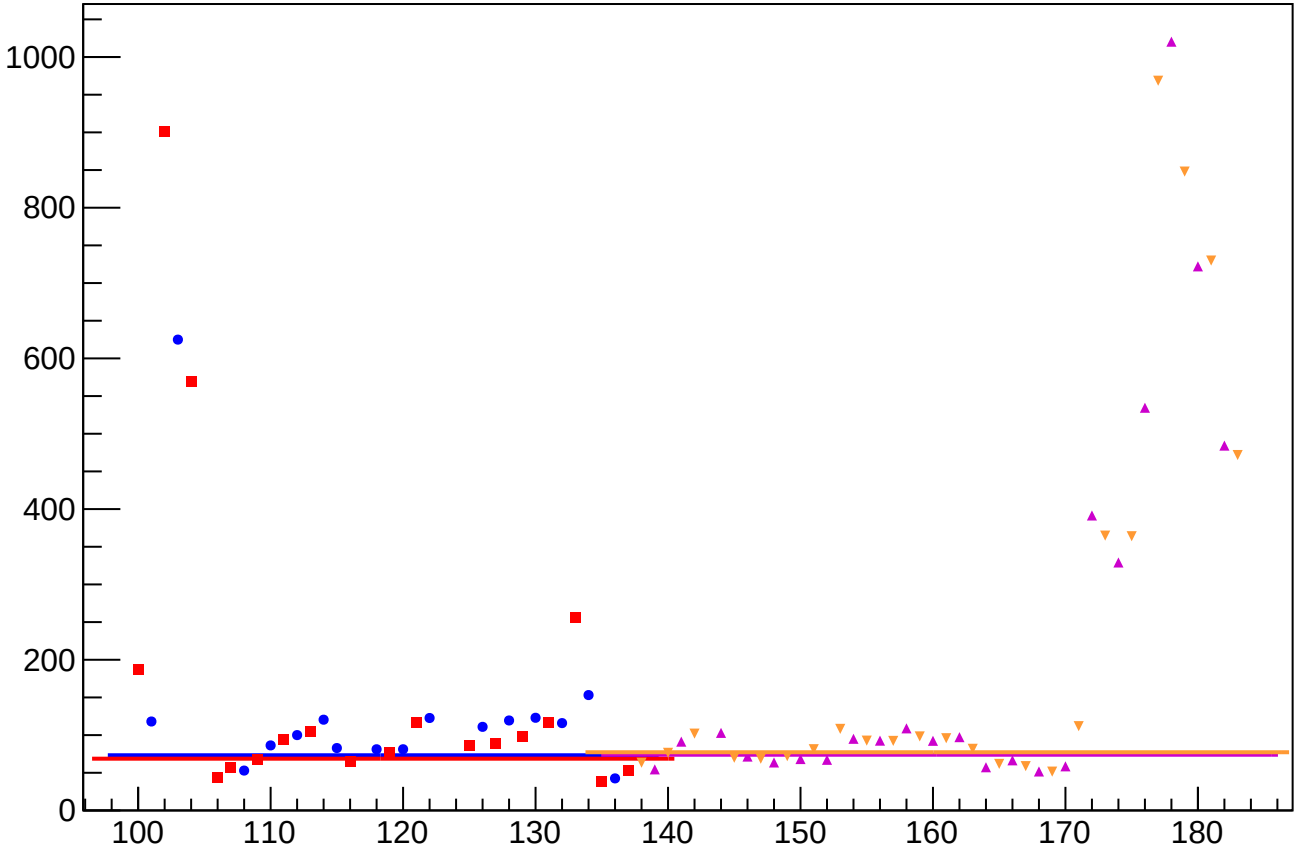
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:24.6/37

Out: -0.059+/-0.018 χ^2/NDF:34.0/40

All: -0.025+/-0.013 χ^2/NDF: 65.6/78

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: 77.270+/-0.016 χ^2/NDF:8003516.5/22

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 73.958+/-0.015 χ^2/NDF:8114790.3/21

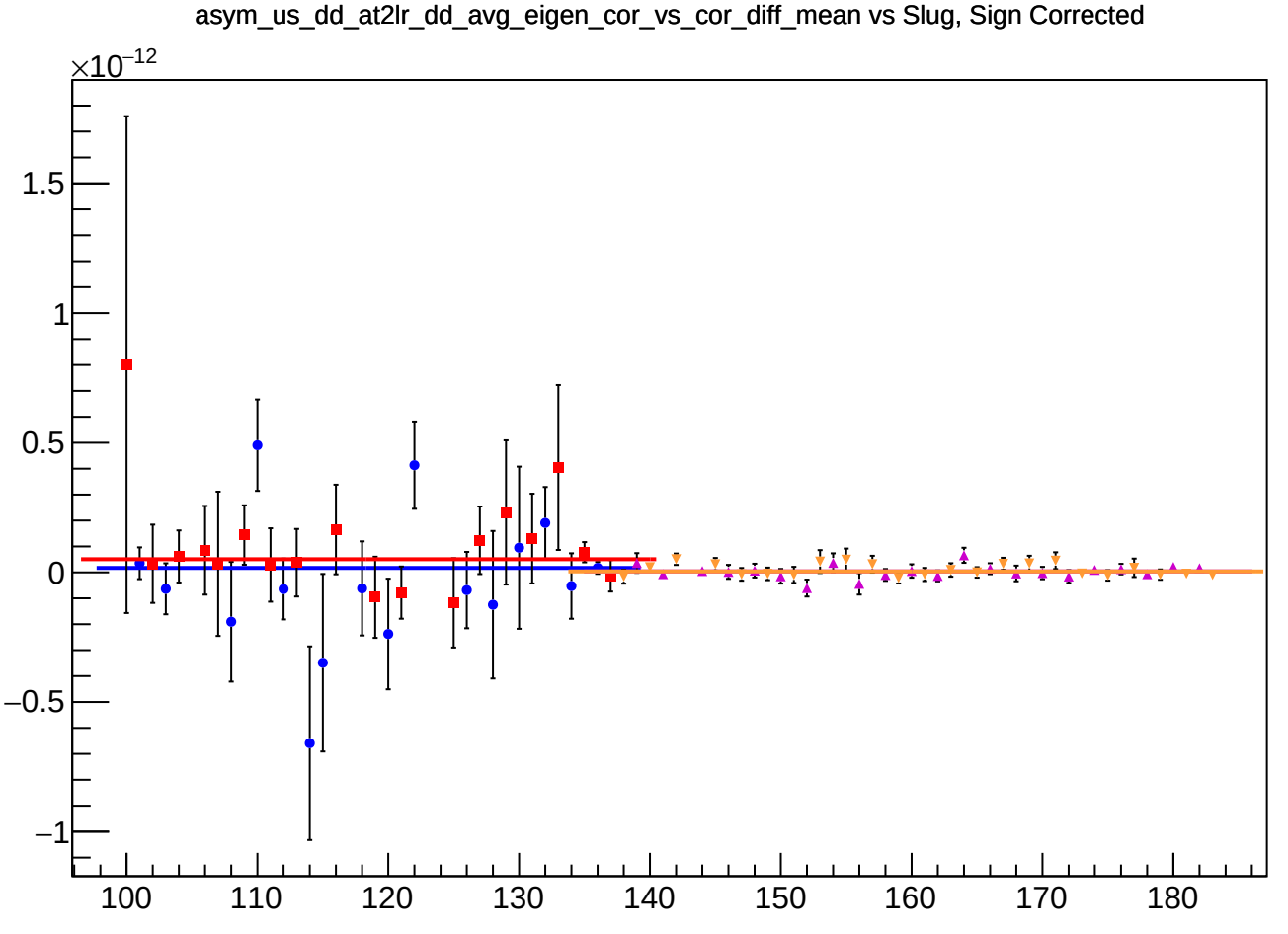
Left: 75.539+/-0.011 χ^2/NDF: 16141744.9/44

Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 73.748+/-0.012 χ^2/NDF:10967754.3/37

Out: 74.463+/-0.013 χ^2/NDF:11434459.4/40

All: 74.097+/-0.009 χ^2/NDF: 22403809.5/78



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/22

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: 35.9/44

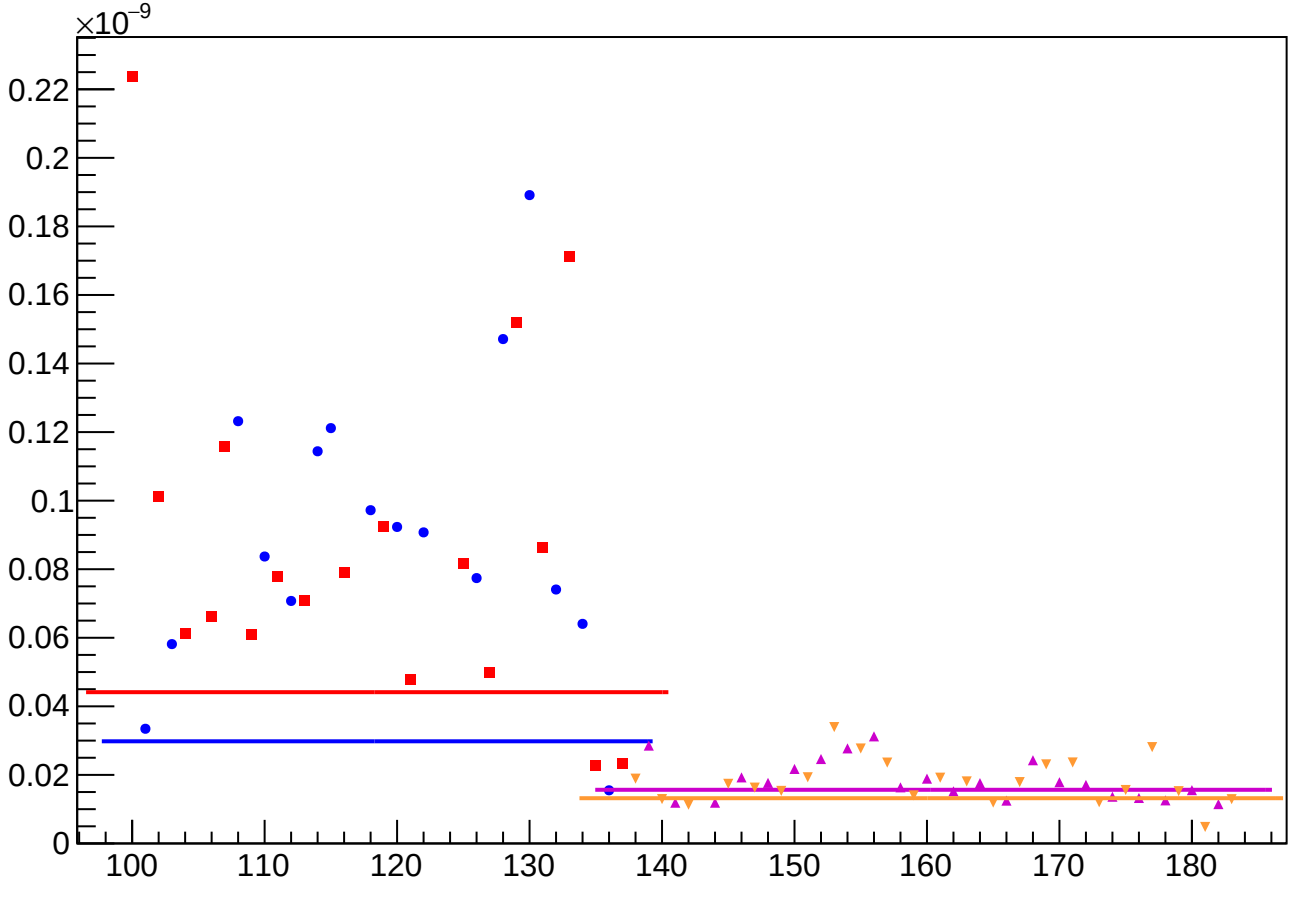
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:40.2/37

Out: 0.000+/-0.000 χ^2/NDF:32.1/40

All: 0.000+/-0.000 χ^2/NDF: 72.3/78

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:4236983.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2779318.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1761182.8/21

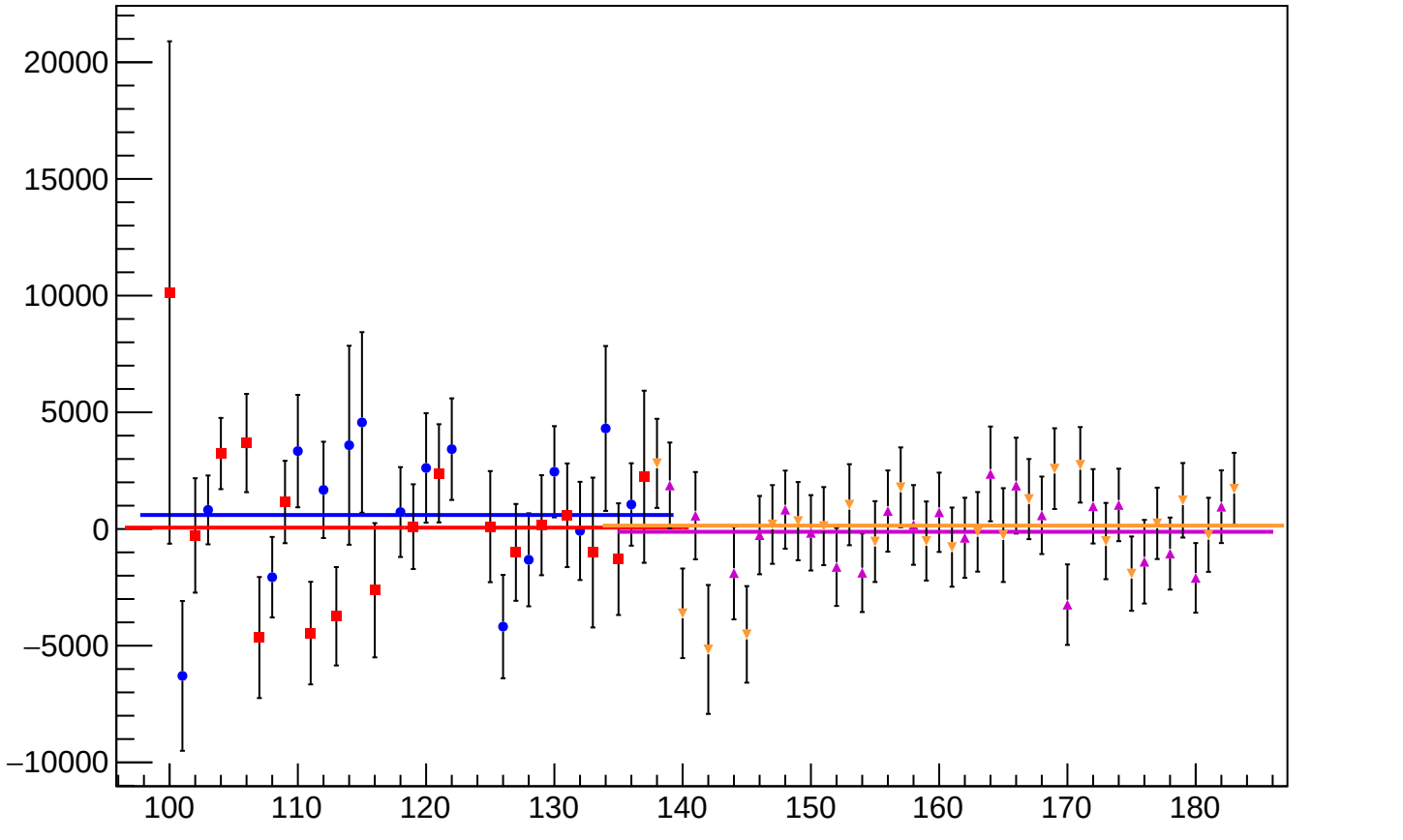
Left: 0.000+/-0.000 χ^2/NDF: 6285265.9/44

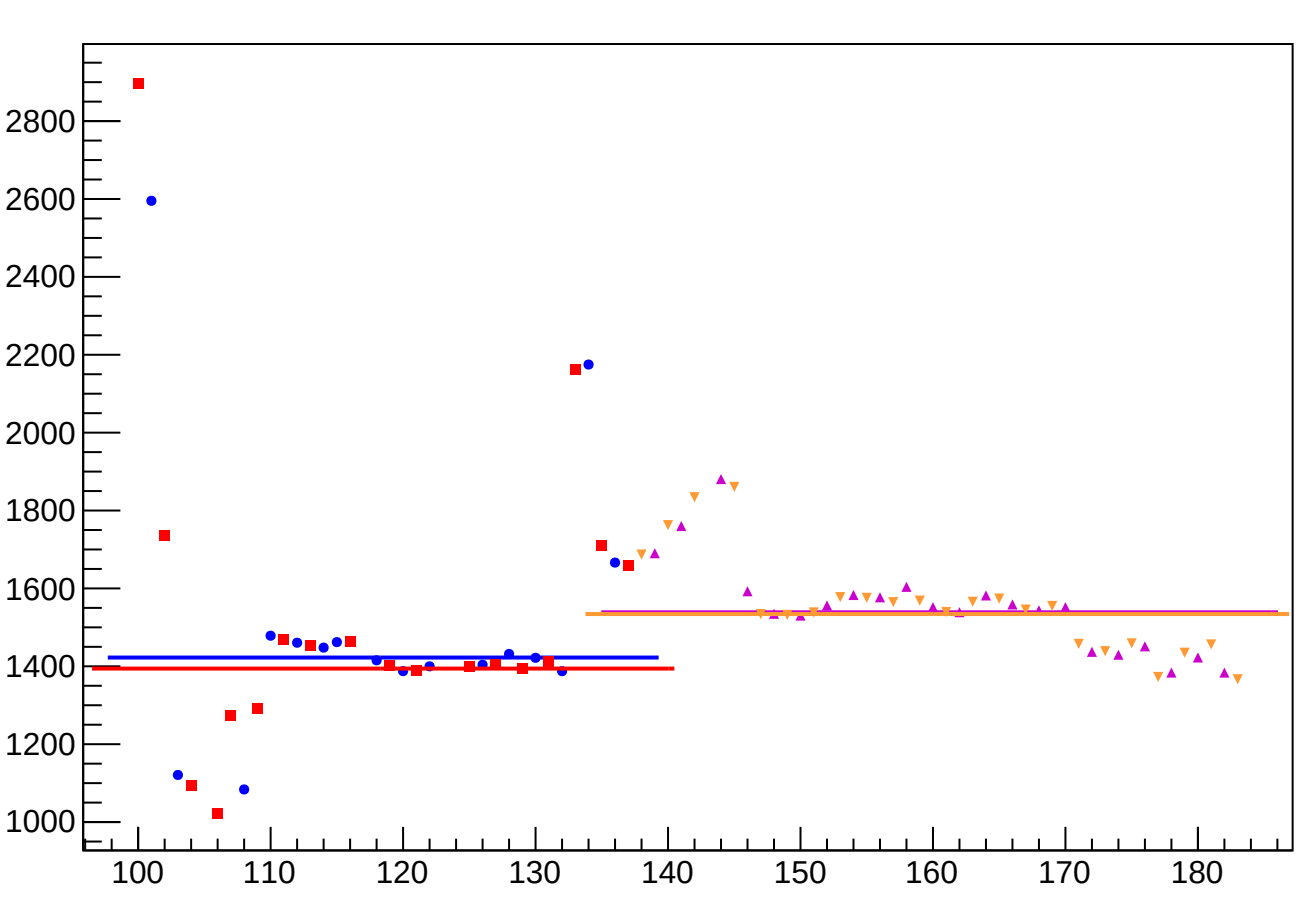
Right: 0.000+/-0.000 χ^2/NDF: 7274202.8/33

In: 0.000+/-0.000 χ^2/NDF:6848438.2/37

Out: 0.000+/-0.000 χ^2/NDF:10033960.5/40

All: 0.000+/-0.000 χ^2/NDF: 17156910.2/78


reg_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: 600.146+/-540.053 χ²/NDF: 20.3/15
Left Out: 146.231+/-359.618 χ²/NDF:24.9/22
Right Out: 59.091+/-530.206 χ²/NDF: 22.5/17
Left In: -119.225+/-363.208 χ²/NDF:14.9/21
Left: 14.821+/-255.548 χ²/NDF: 40.0/44
Right: 324.641+/-378.346 χ²/NDF: 43.4/33
In: 104.817+/-301.387 χ²/NDF:36.4/37
Out: 118.774+/-297.618 χ²/NDF:47.4/40
All: 111.884+/-211.768 χ²/NDF: 83.8/78



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1534.199+/-0.254 χ^2/NDF:194591.4/22

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1538.705+/-0.257 χ^2/NDF:184946.7/21

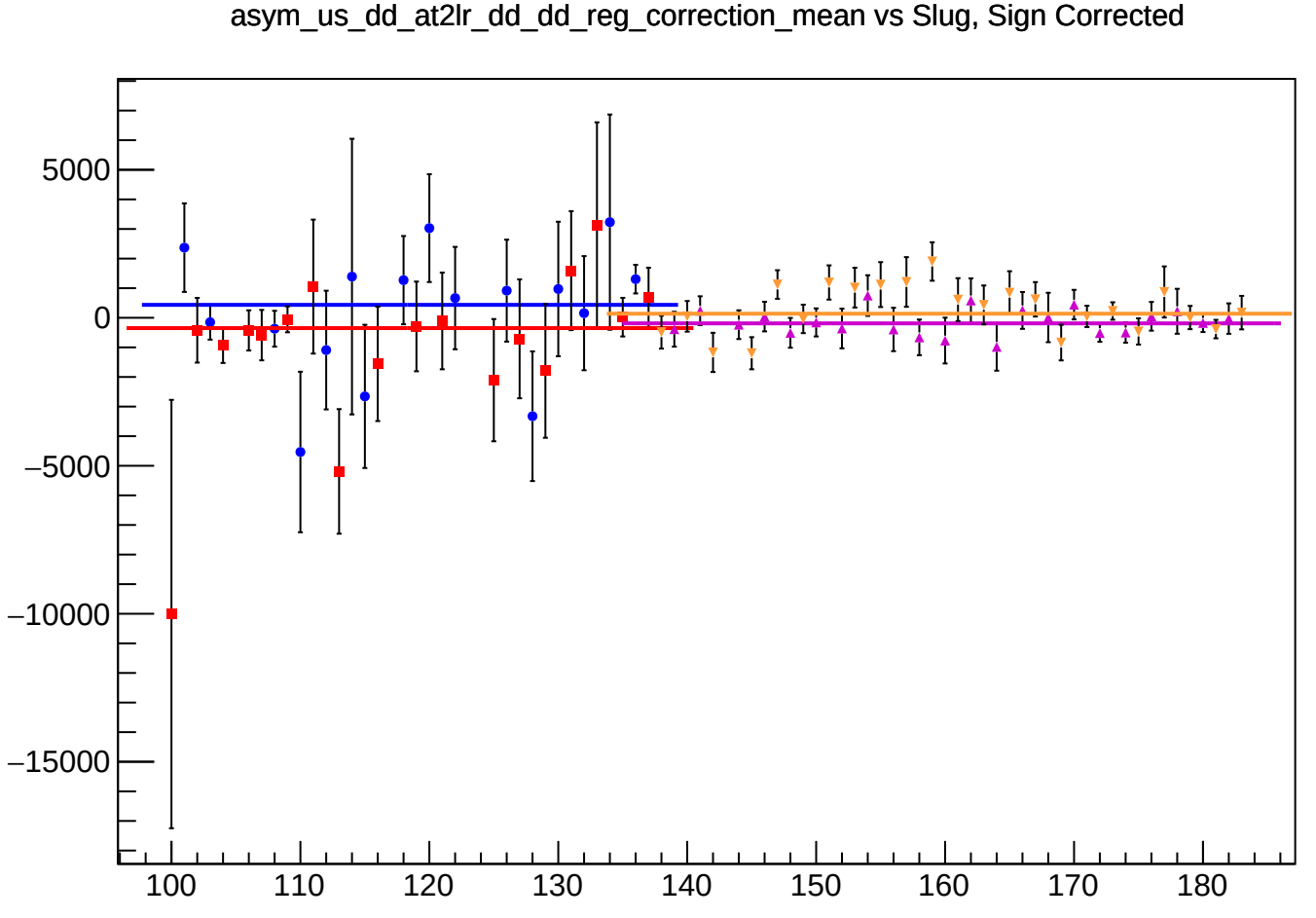
Left: 1536.430+/-0.181 χ^2/NDF: 379693.5/44

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1502.518+/-0.213 χ^2/NDF:808949.4/37

Out: 1490.078+/-0.210 χ^2/NDF:683803.0/40

All: 1496.220+/-0.150 χ^2/NDF: 1494477.6/78



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 138.142+/-105.791 χ^2/NDF:41.8/22

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: -22.093+/-75.512 χ^2/NDF: 58.1/44

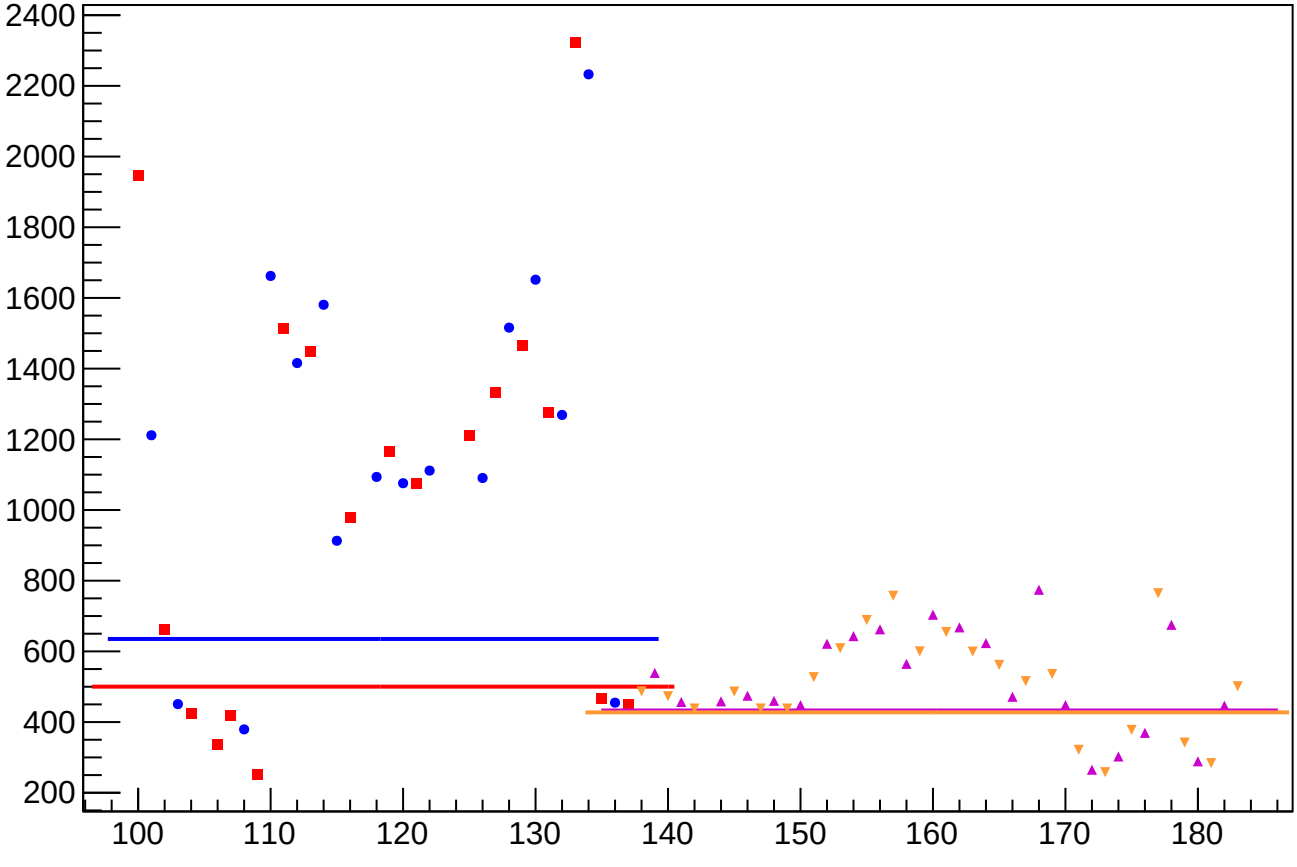
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: -105.730+/-100.424 χ^2/NDF:35.4/37

Out: 55.394+/-96.379 χ^2/NDF:59.3/40

All: -21.858+/-69.536 χ^2/NDF: 96.0/78

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: 427.440+/-0.075 χ^2/NDF:3186340.3/22

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 432.761+/-0.076 χ^2/NDF:3244990.5/21

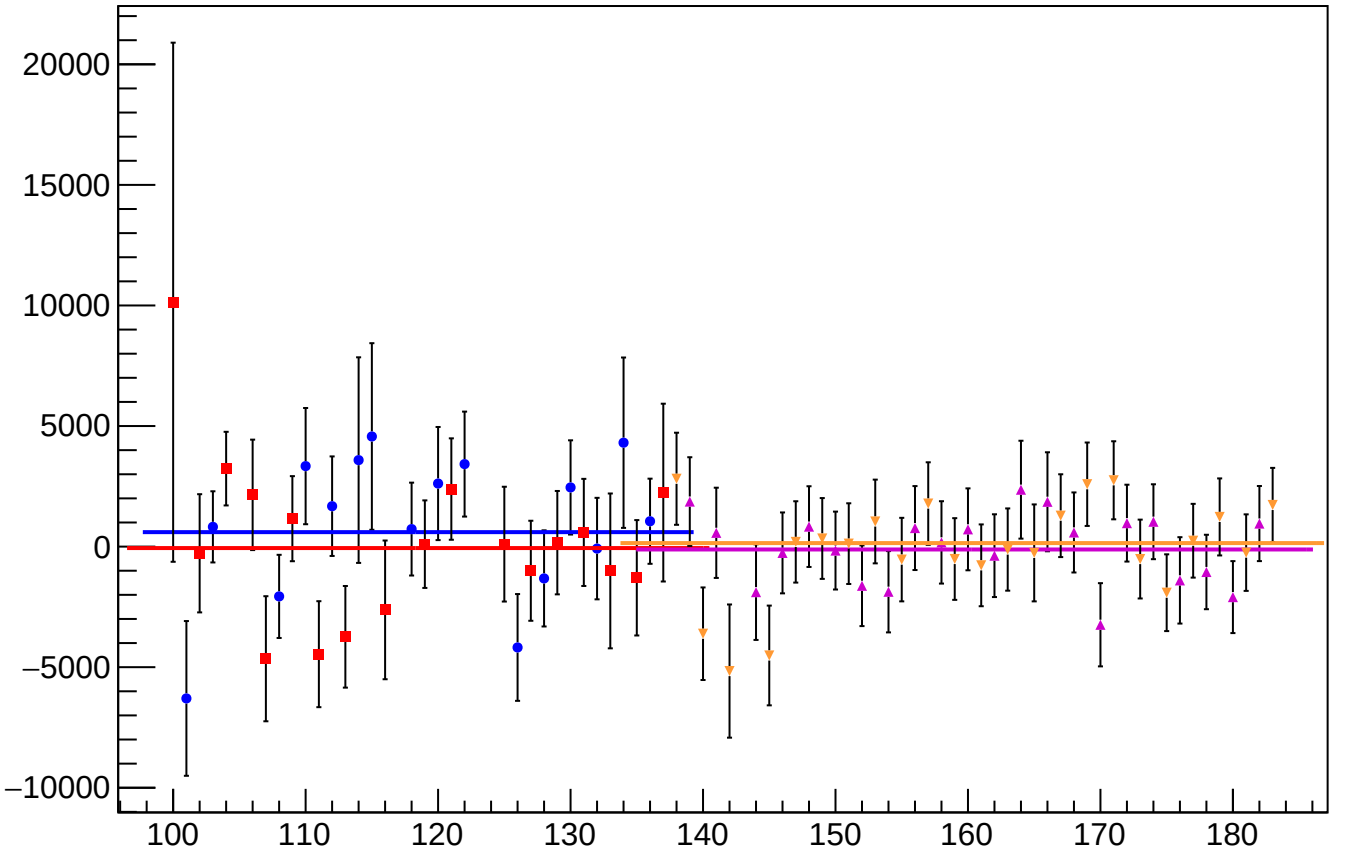
Left: 430.050+/-0.053 χ^2/NDF: 6433813.1/44

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 459.570+/-0.071 χ^2/NDF:7930970.5/37

Out: 439.815+/-0.068 χ^2/NDF:7656416.0/40

All: 449.287+/-0.049 χ^2/NDF: 15627670.8/78



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 146.200+/-359.618 χ^2/NDF:24.9/22

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: -119.290+/-363.208 χ^2/NDF:14.9/21

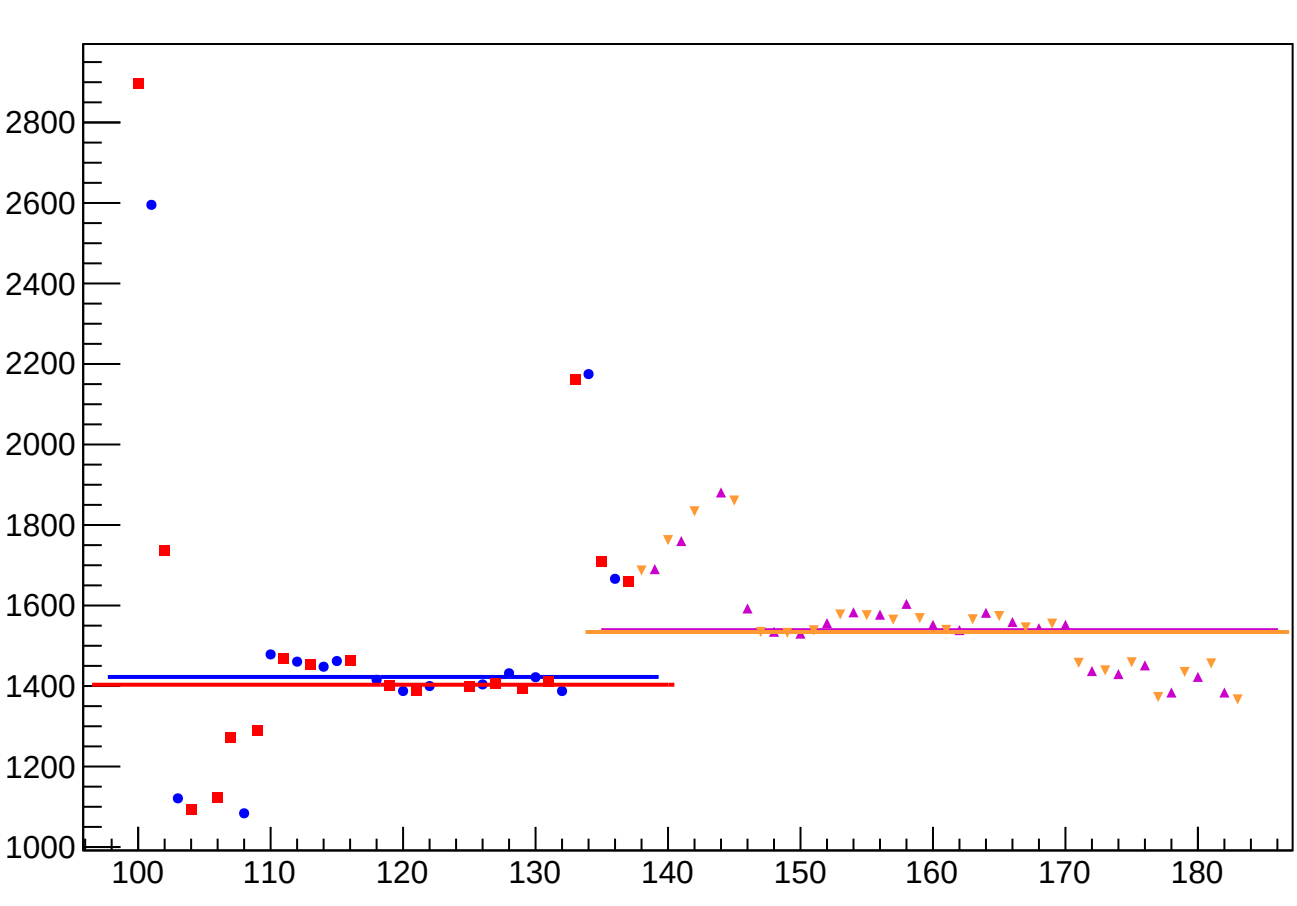
Left: 14.773+/-255.548 χ^2/NDF: 40.0/44

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 104.733+/-301.387 χ^2/NDF:36.4/37

Out: 81.554+/-298.079 χ^2/NDF:45.3/40

All: 93.016+/-211.934 χ^2/NDF: 81.8/78



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1534.199+/-0.254 χ^2/NDF:194591.3/22

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1538.705+/-0.257 χ^2/NDF:184946.7/21

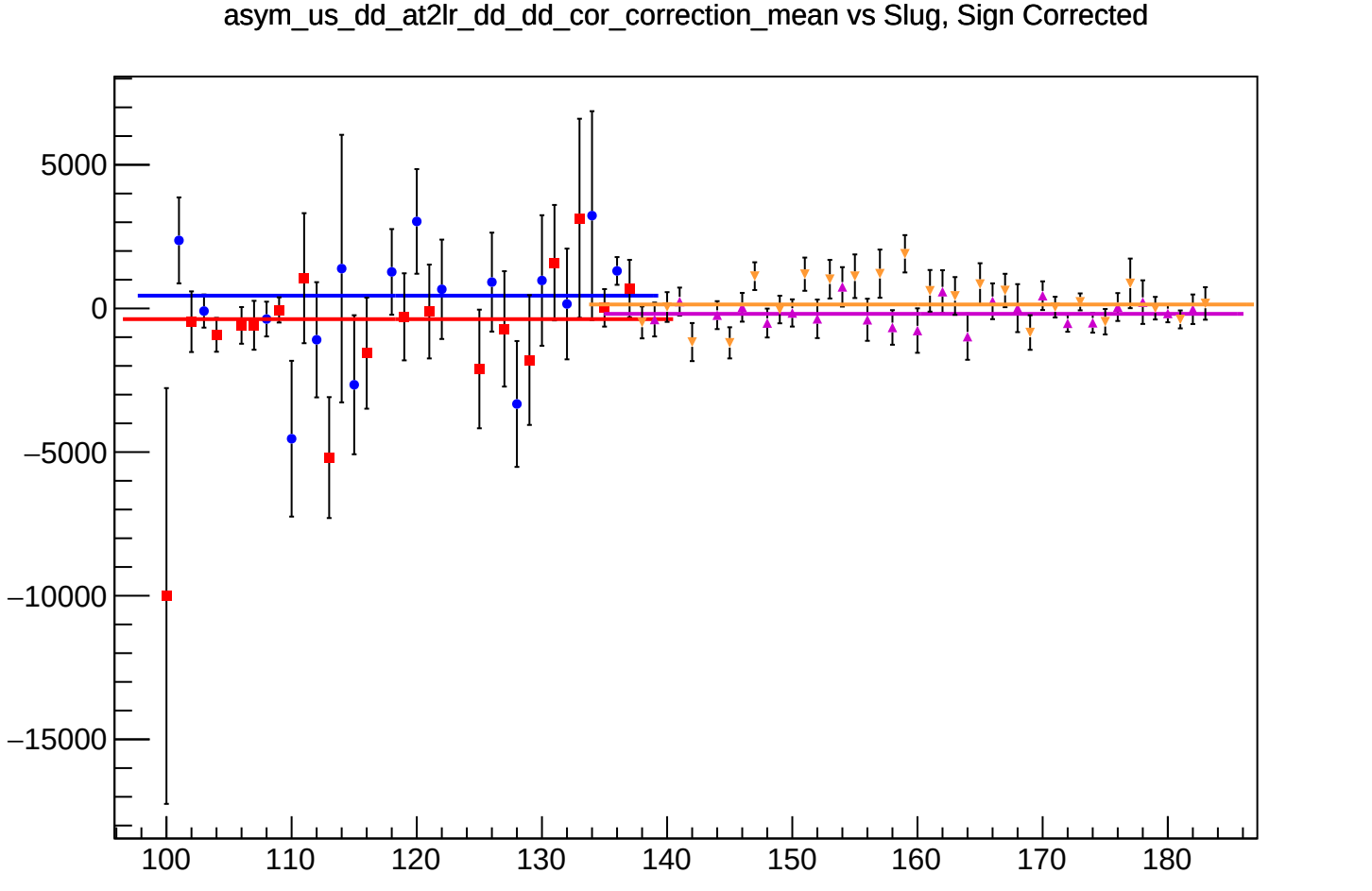
Left: 1536.430+/-0.181 χ^2/NDF: 379693.5/44

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1502.518+/-0.213 χ^2/NDF:808949.7/37

Out: 1493.207+/-0.211 χ^2/NDF:636737.2/40

All: 1497.811+/-0.150 χ^2/NDF: 1446651.9/78



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 138.140+/-105.791 χ^2/NDF:41.8/22

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: -22.196+/-75.512 χ^2/NDF: 58.1/44

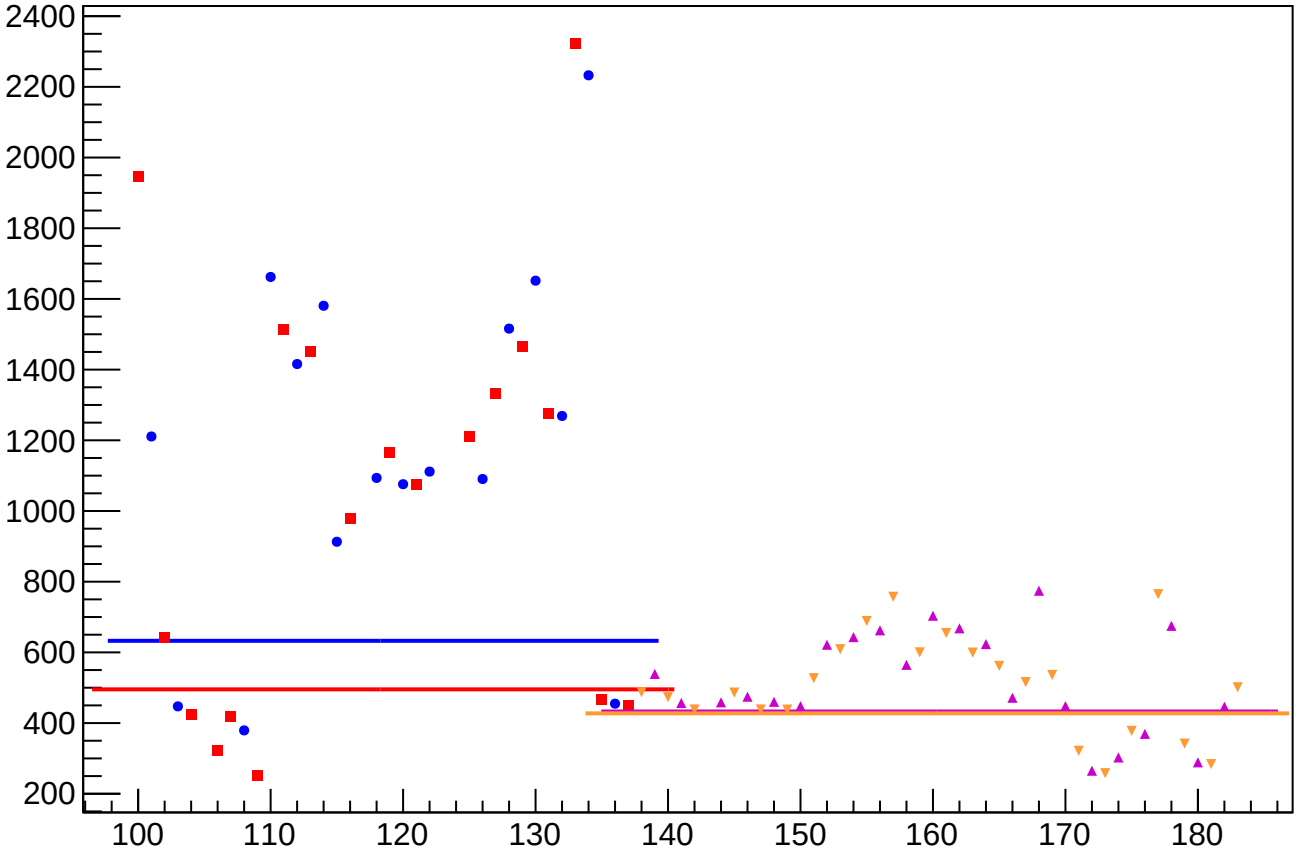
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -104.144+/-100.366 χ^2/NDF:35.4/37

Out: 49.825+/-96.210 χ^2/NDF:59.8/40

All: -23.905+/-69.454 χ^2/NDF: 96.5/78

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 427.439+/-0.075 χ^2/NDF:3186575.1/22

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 432.764+/-0.076 χ^2/NDF:3244871.9/21

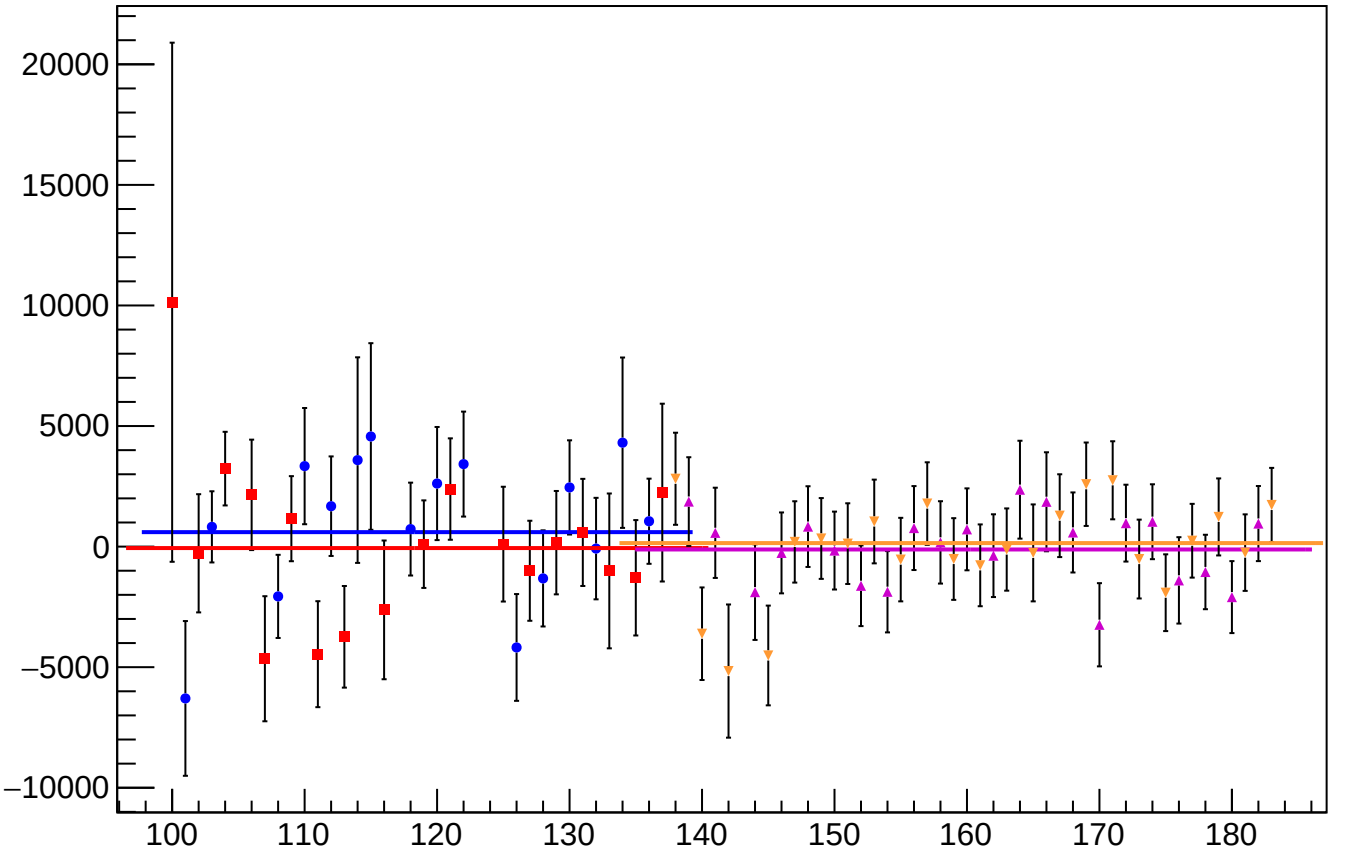
Left: 430.051+/-0.053 χ^2/NDF: 6433931.8/44

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 459.454+/-0.071 χ^2/NDF:7930931.2/37

Out: 439.189+/-0.068 χ^2/NDF:7666711.3/40

All: 448.893+/-0.049 χ^2/NDF: 15640133.1/78



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 146.200+/-359.618 χ^2/NDF:24.9/22

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: -119.290+/-363.208 χ^2/NDF:14.9/21

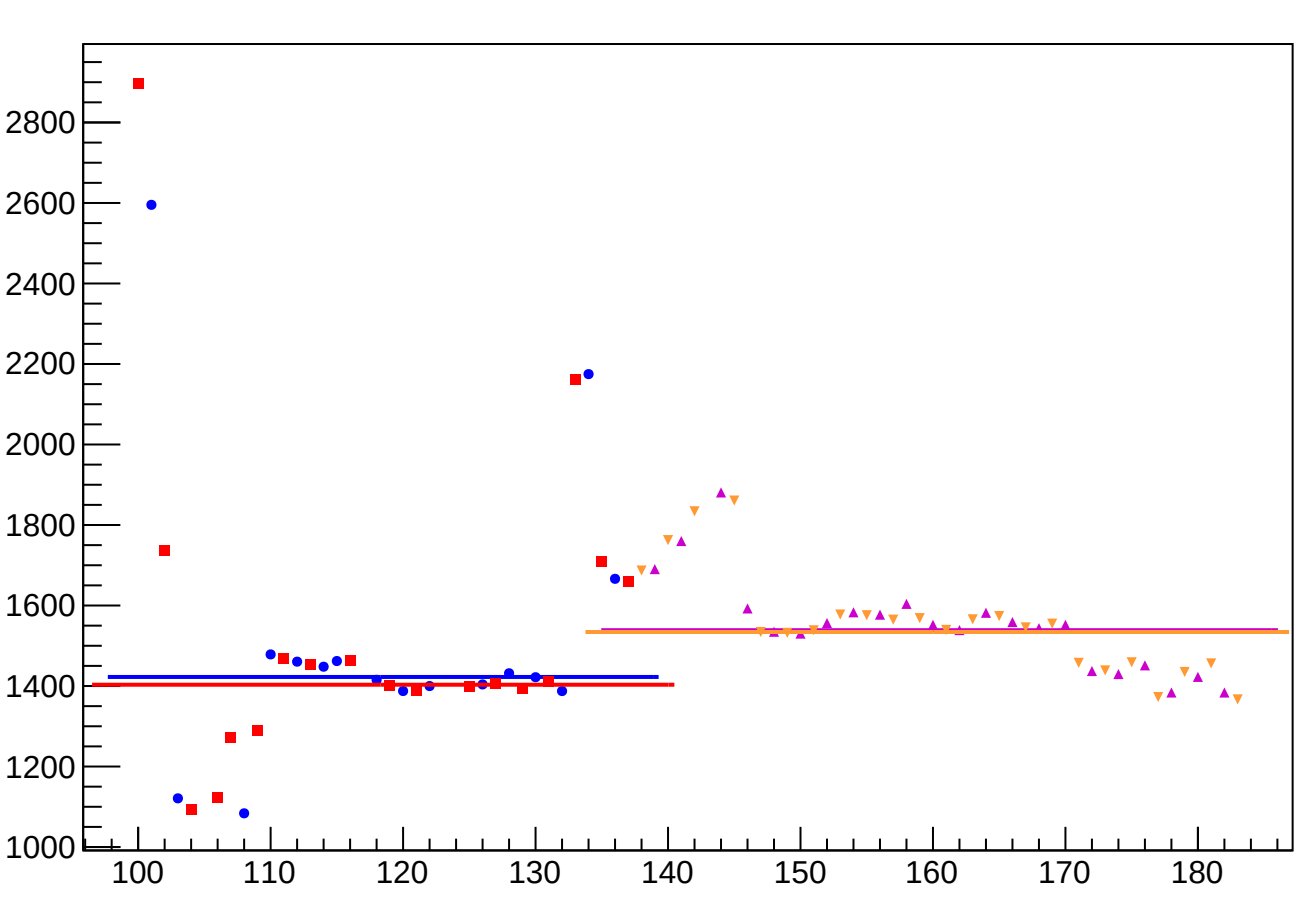
Left: 14.773+/-255.548 χ^2/NDF: 40.0/44

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 104.733+/-301.387 χ^2/NDF:36.4/37

Out: 81.554+/-298.079 χ^2/NDF:45.3/40

All: 93.016+/-211.934 χ^2/NDF: 81.8/78



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1534.199+/-0.254 χ^2/NDF:194591.3/22

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: 1536.430+/-0.181 χ^2/NDF: 379693.5/44

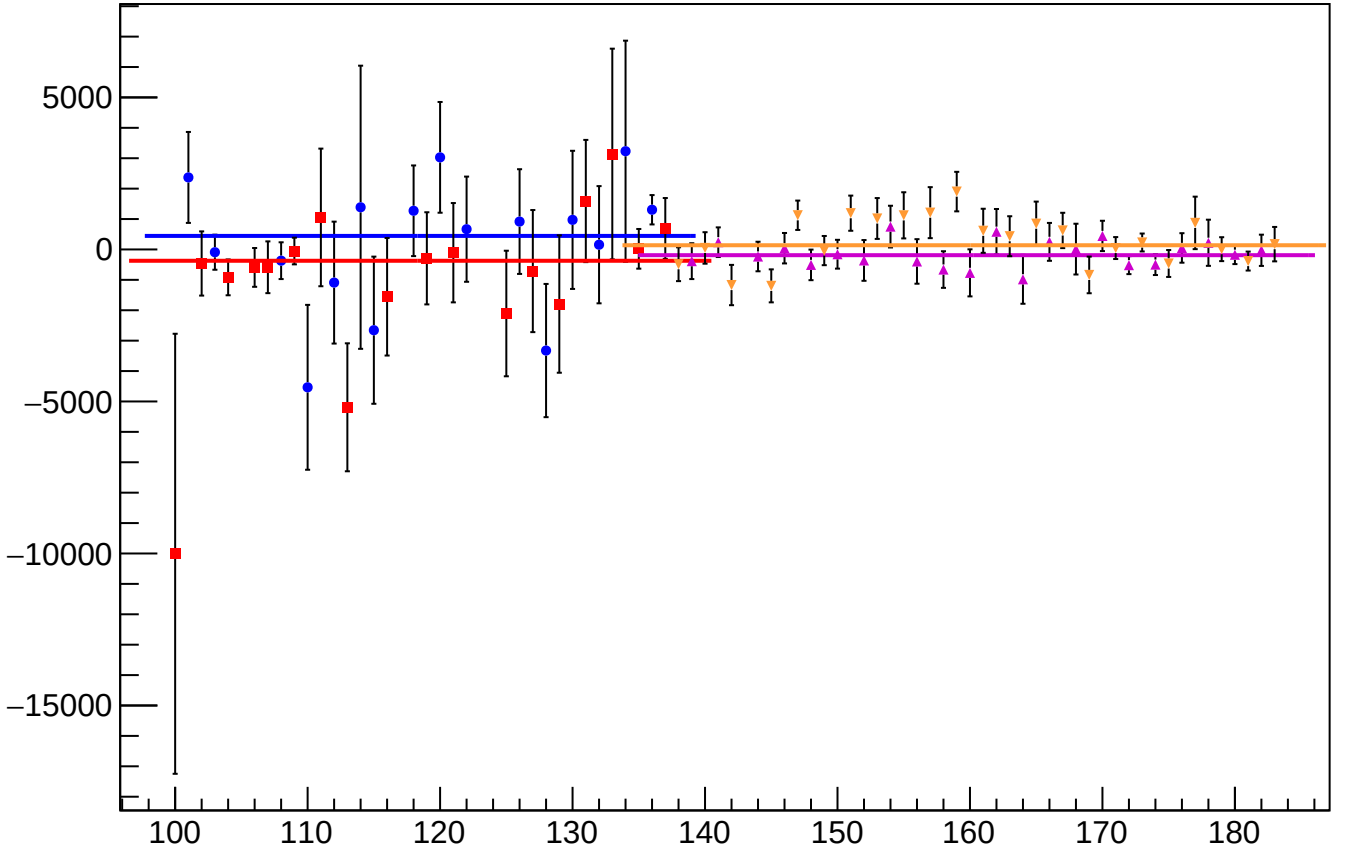
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1502.518+/-0.213 χ^2/NDF:808949.7/37

Out: 1493.207+/-0.211 χ^2/NDF:636737.2/40

All: 1497.811+/-0.150 χ^2/NDF: 1446651.9/78

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: 138.140+/-105.791 χ^2/NDF:41.8/22

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: -22.196+/-75.512 χ^2/NDF: 58.1/44

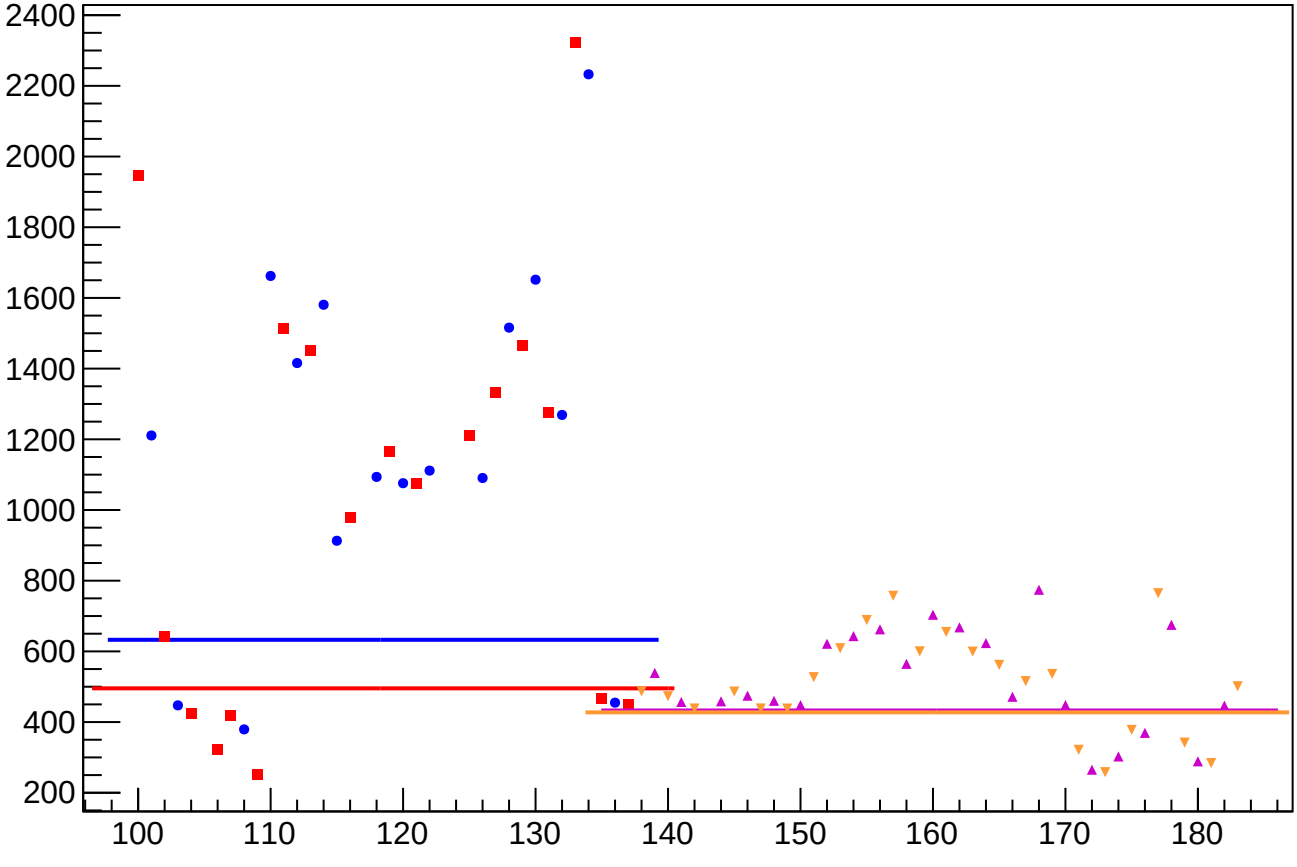
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -104.144+/-100.366 χ^2/NDF:35.4/37

Out: 49.825+/-96.210 χ^2/NDF:59.8/40

All: -23.905+/-69.454 χ^2/NDF: 96.5/78

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: 427.439+/-0.075 χ^2/NDF:3186575.1/22

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 432.764+/-0.076 χ^2/NDF:3244871.9/21

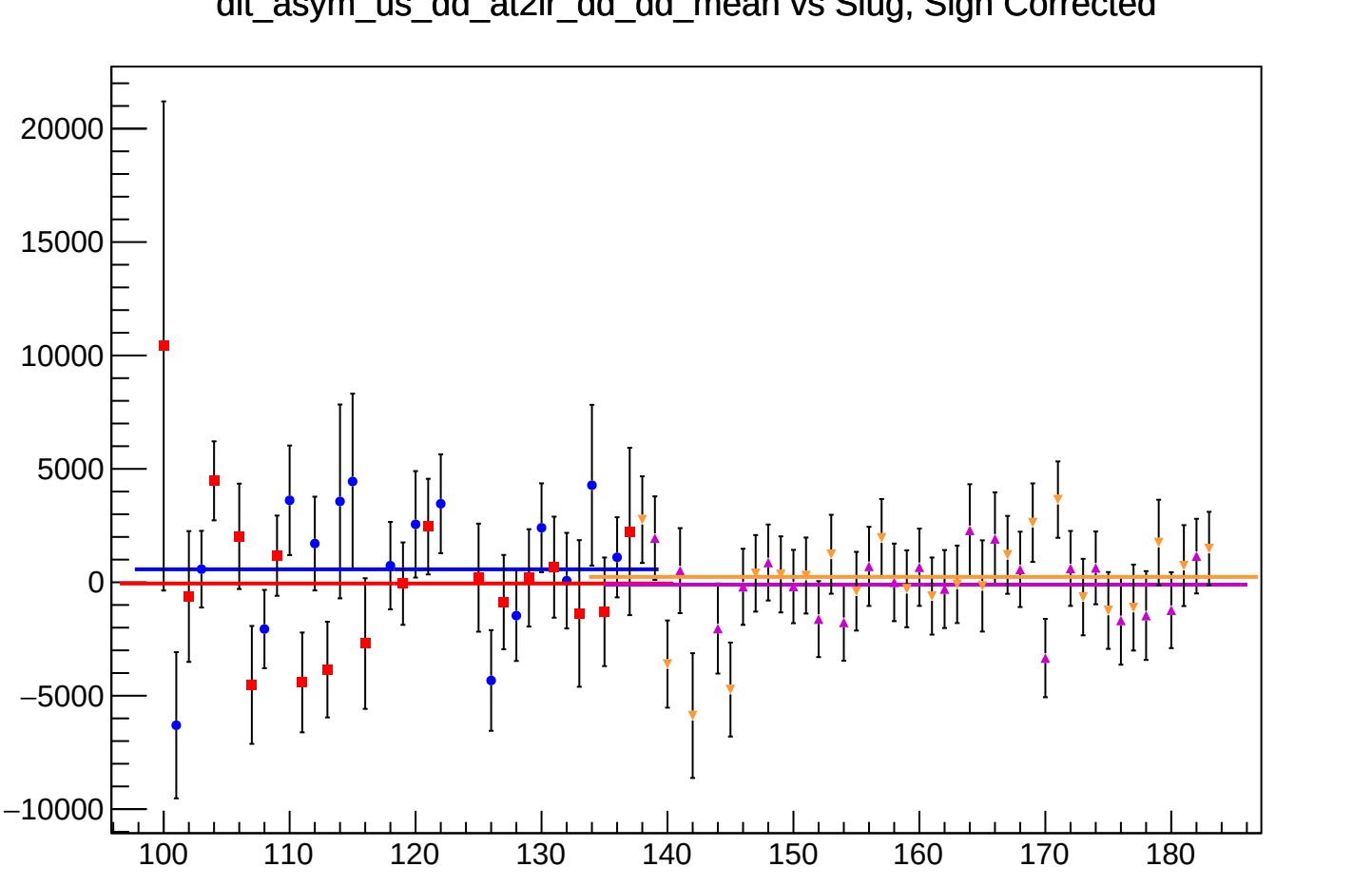
Left: 430.051+/-0.053 χ^2/NDF: 6433931.8/44

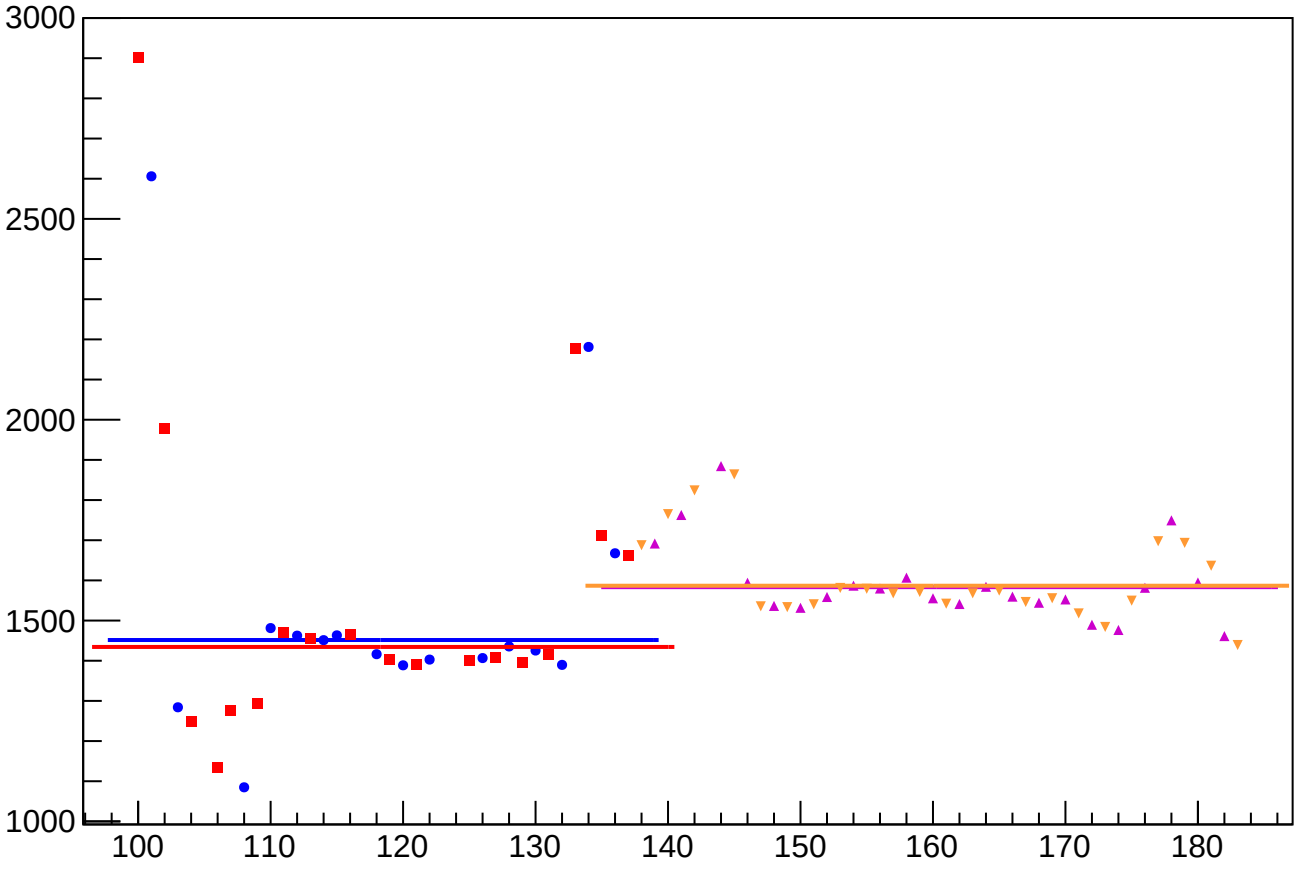
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 459.454+/-0.071 χ^2/NDF:7930931.2/37

Out: 439.189+/-0.068 χ^2/NDF:7666711.3/40

All: 448.893+/-0.049 χ^2/NDF: 15640133.1/78


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 572.289+/-549.638 χ²/NDF: 20.8/15
Left Out: 238.014+/-371.656 χ²/NDF:27.5/22
Right Out: -53.754+/-545.353 χ²/NDF: 22.5/17
Left In: -102.826+/-373.442 χ²/NDF:13.5/21
Left: 68.411+/-263.430 χ²/NDF: 41.4/44
Right: 256.817+/-387.129 χ²/NDF: 43.9/33
In: 110.397+/-308.891 χ²/NDF:35.3/37
Out: 145.482+/-307.118 χ²/NDF:50.2/40
All: 128.040+/-217.789 χ²/NDF: 85.5/78



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1586.733+/-0.263 χ^2/NDF:125892.5/22

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1583.175+/-0.264 χ^2/NDF:120345.4/21

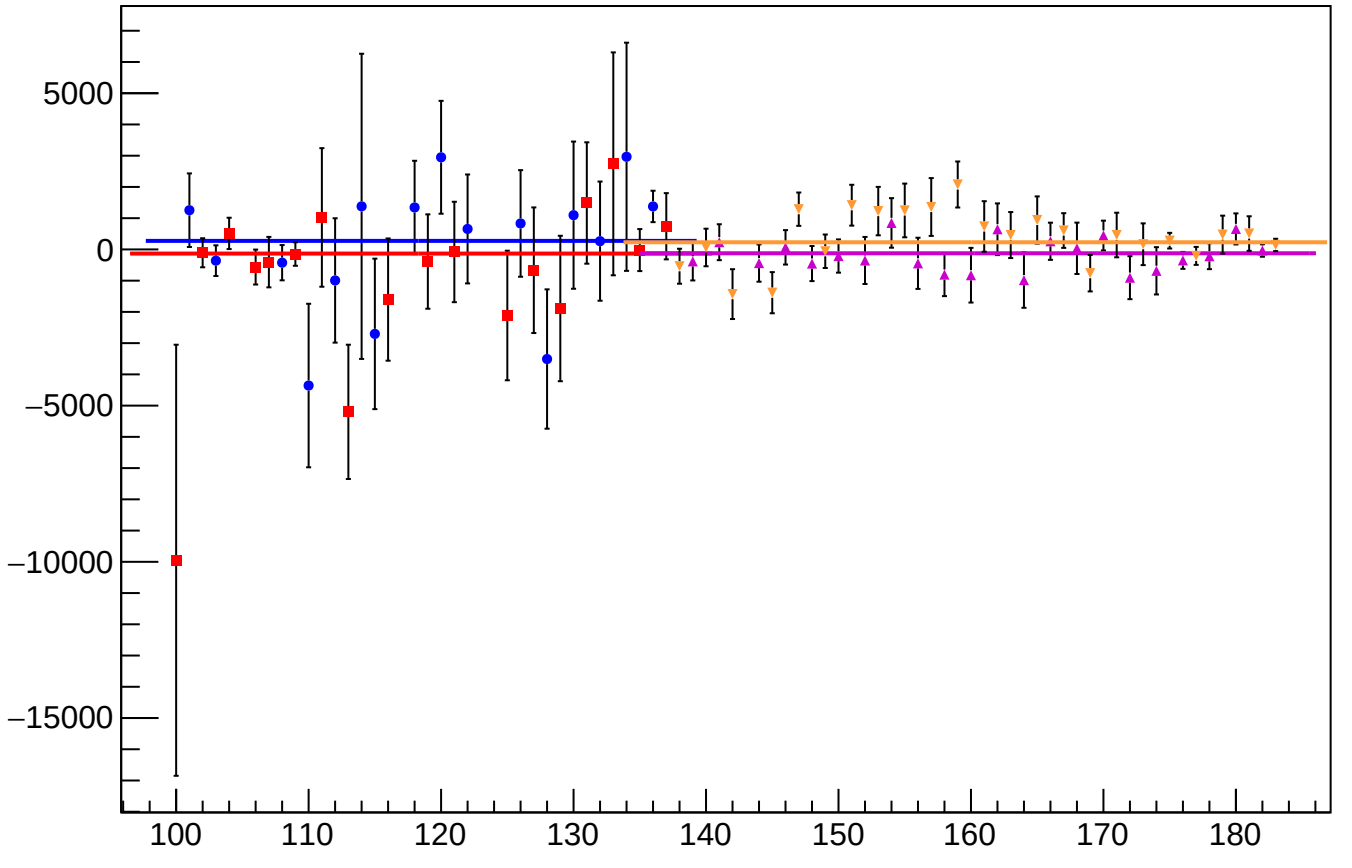
Left: 1584.963+/-0.186 χ^2/NDF: 246329.1/44

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1541.613+/-0.218 χ^2/NDF:686619.7/37

Out: 1538.396+/-0.217 χ^2/NDF:561153.1/40

All: 1539.995+/-0.154 χ^2/NDF: 1247881.9/78



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 229.275+/-99.927 χ^2/NDF:38.4/22

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: 61.872+/-72.398 χ^2/NDF: 58.0/44

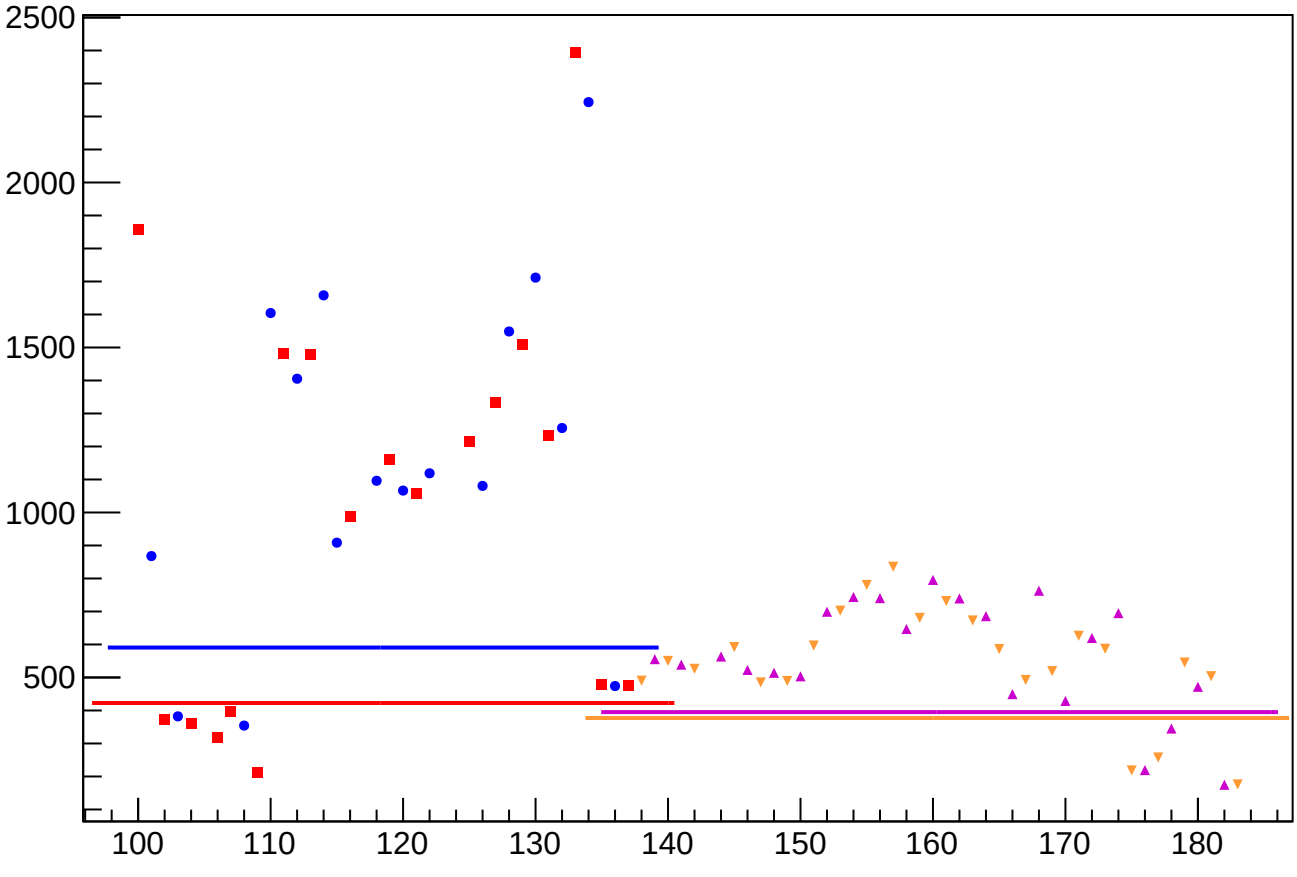
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -67.645+/-97.416 χ^2/NDF:35.8/37

Out: 154.584+/-89.019 χ^2/NDF:55.6/40

All: 53.459+/-65.714 χ^2/NDF: 94.2/78

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: 377.224+/-0.071 χ^2/NDF:7524806.7/22

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 395.053+/-0.074 χ^2/NDF:7325289.6/21

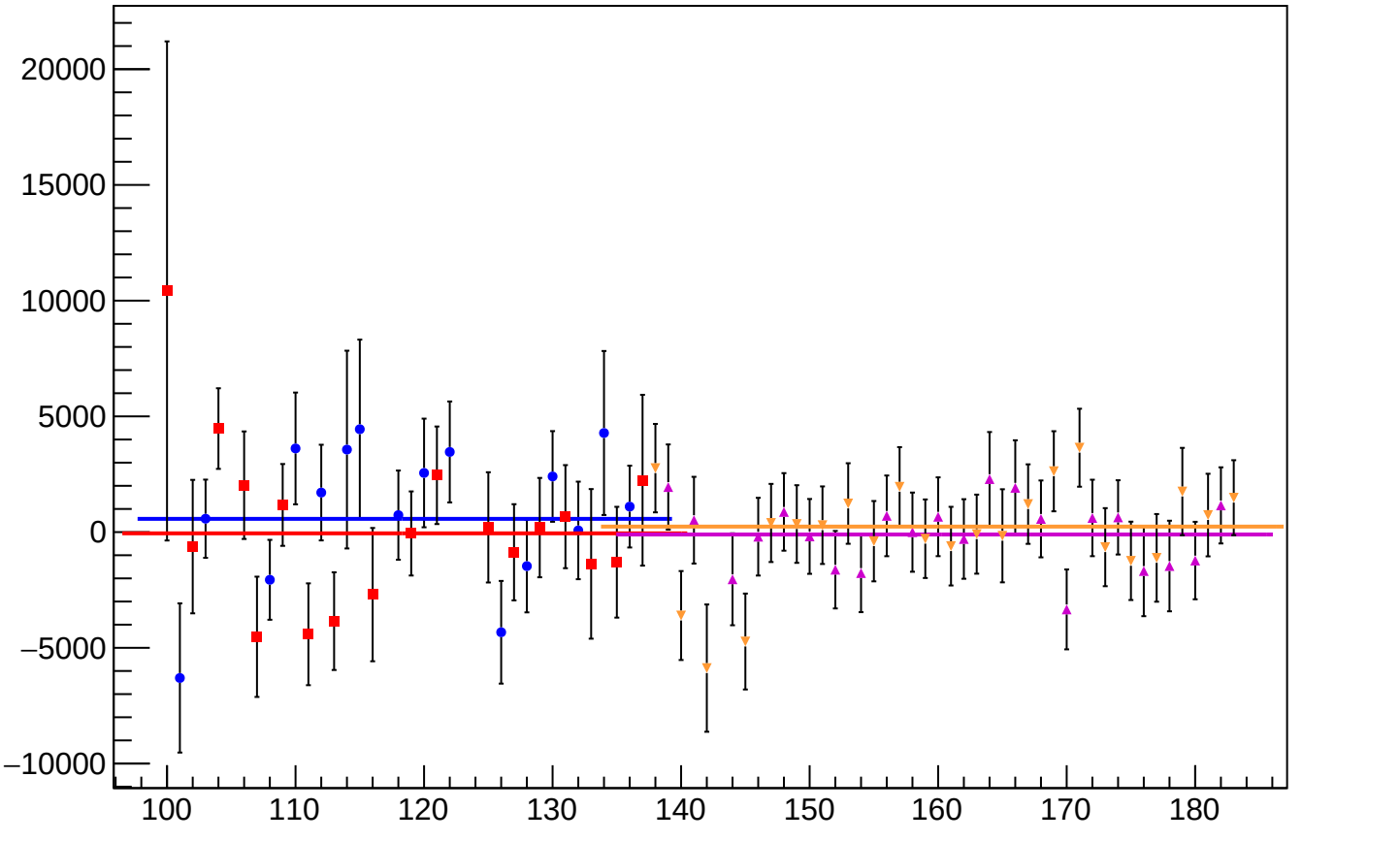
Left: 385.695+/-0.051 χ^2/NDF: 14880342.8/44

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 422.412+/-0.069 χ^2/NDF:12181418.9/37

Out: 386.597+/-0.063 χ^2/NDF:12468052.2/40

All: 402.895+/-0.046 χ^2/NDF: 24796794.9/78



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 238.010+/-371.656 χ^2/NDF:27.5/22

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: -102.824+/-373.442 χ^2/NDF:13.5/21

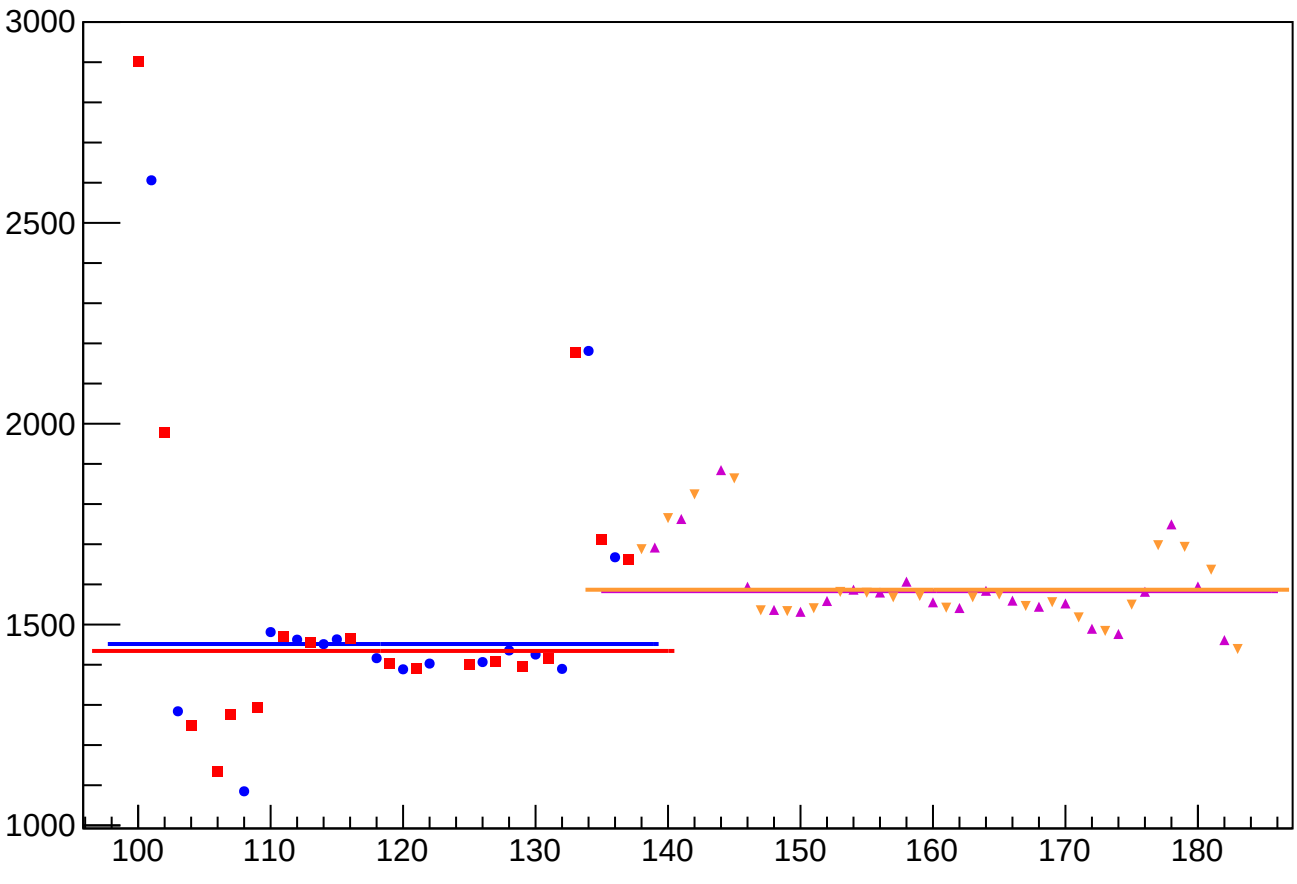
Left: 68.410+/-263.430 χ^2/NDF: 41.4/44

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 110.398+/-308.891 χ^2/NDF:35.3/37

Out: 145.480+/-307.118 χ^2/NDF:50.2/40

All: 128.040+/-217.789 χ^2/NDF: 85.5/78



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1586.733+/-0.263 χ^2/NDF:125892.8/22

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1583.175+/-0.264 χ^2/NDF:120345.5/21

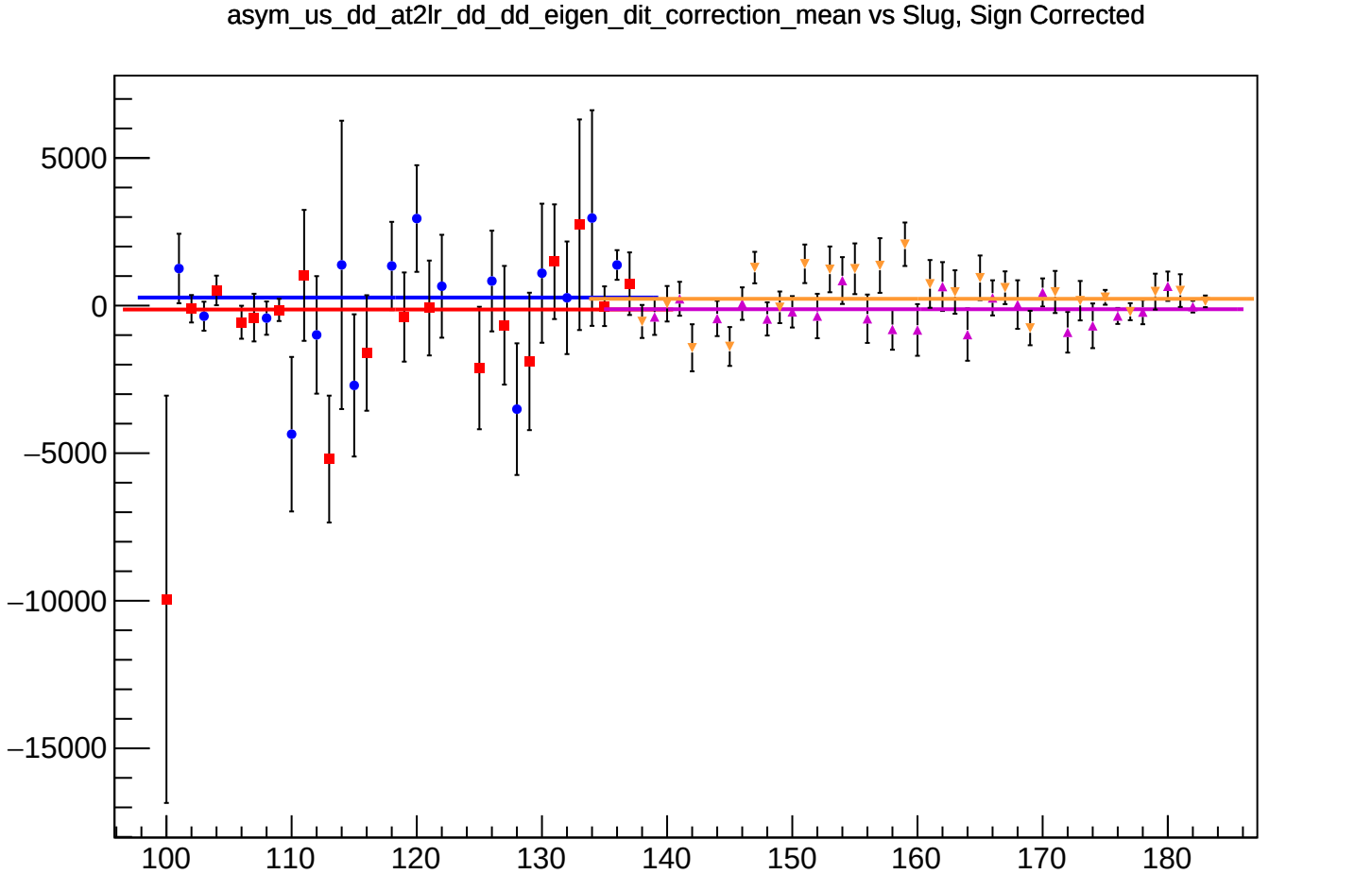
Left: 1584.962+/-0.186 χ^2/NDF: 246329.5/44

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1541.613+/-0.218 χ^2/NDF:686618.9/37

Out: 1538.396+/-0.217 χ^2/NDF:561153.2/40

All: 1539.995+/-0.154 χ^2/NDF: 1247881.2/78



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 229.280+/-99.928 χ^2/NDF:38.4/22

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -123.080+/-105.035 χ^2/NDF:13.6/21

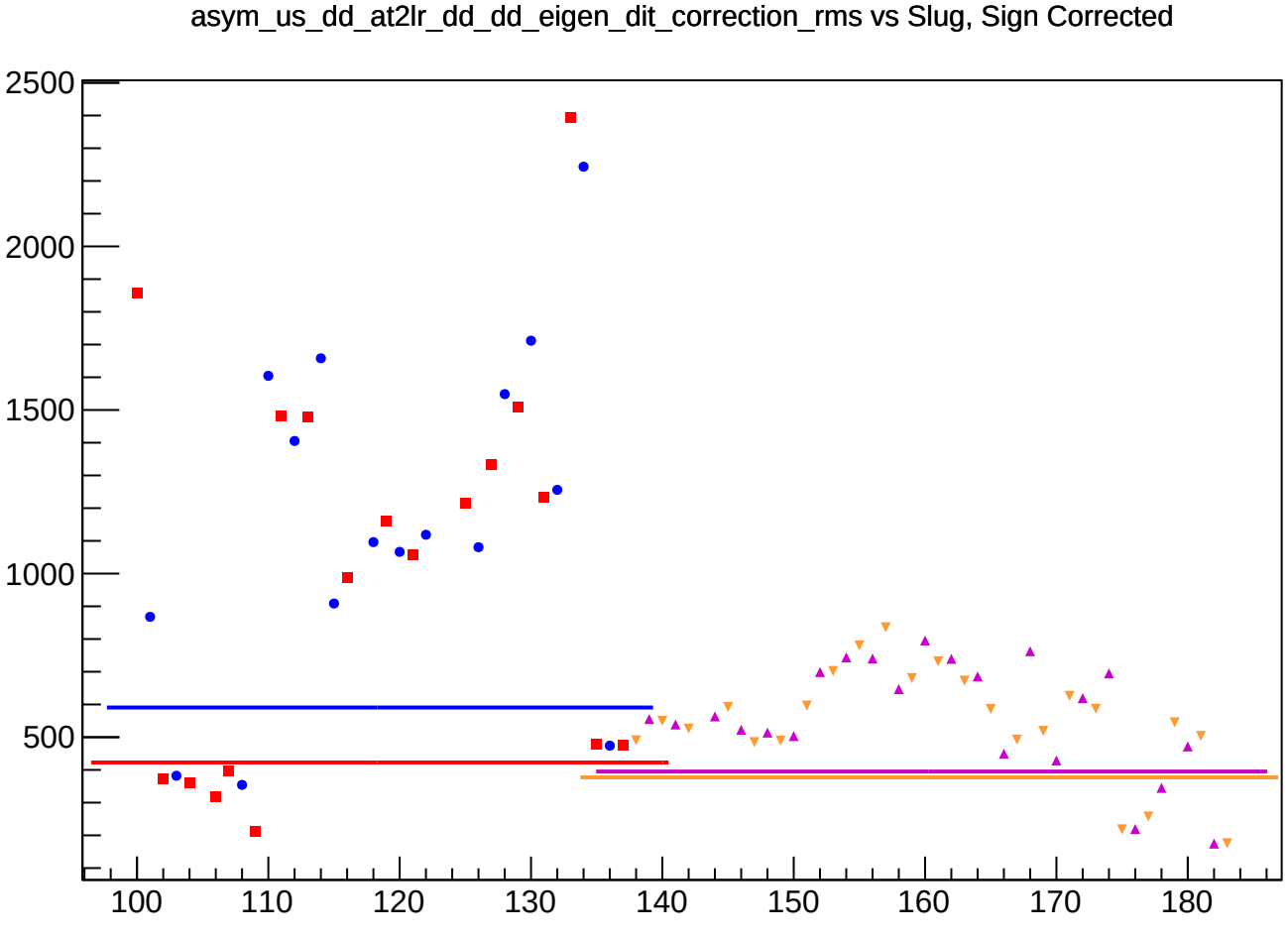
Left: 61.875+/-72.398 χ^2/NDF: 58.0/44

Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -67.645+/-97.417 χ^2/NDF:35.8/37

Out: 154.589+/-89.019 χ^2/NDF:55.6/40

All: 53.462+/-65.715 χ^2/NDF: 94.2/78



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 377.228+/-0.071 χ^2/NDF:7524631.7/22

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 395.058+/-0.074 χ^2/NDF:7325013.3/21

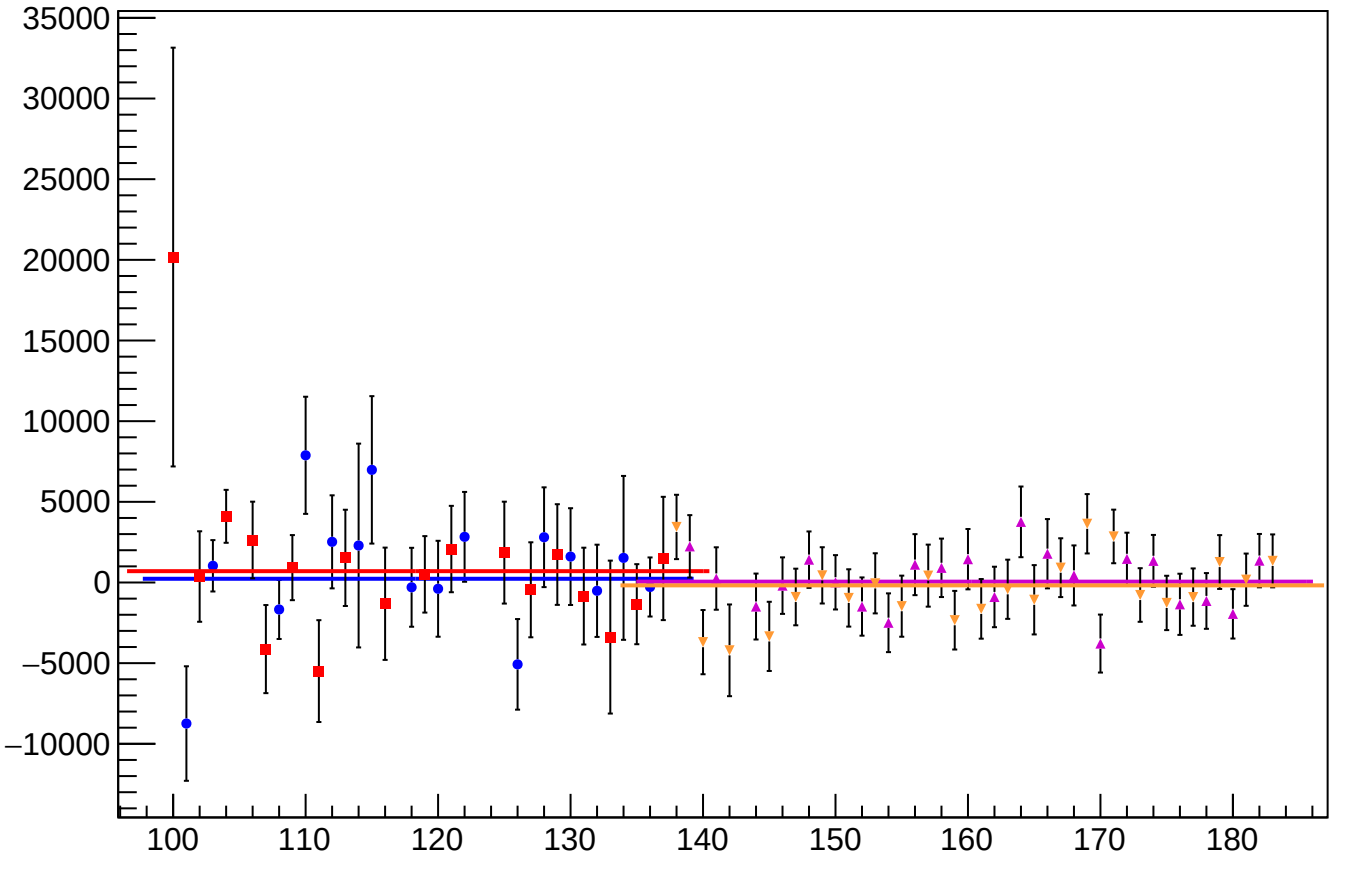
Left: 385.699+/-0.051 χ^2/NDF: 14879896.0/44

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 422.417+/-0.069 χ^2/NDF:12181099.8/37

Out: 386.601+/-0.063 χ^2/NDF:12467799.7/40

All: 402.899+/-0.046 χ^2/NDF: 24796226.1/78



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -178.452+/-381.699 χ^2/NDF:24.3/22

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: -64.196+/-271.143 χ^2/NDF: 43.8/44

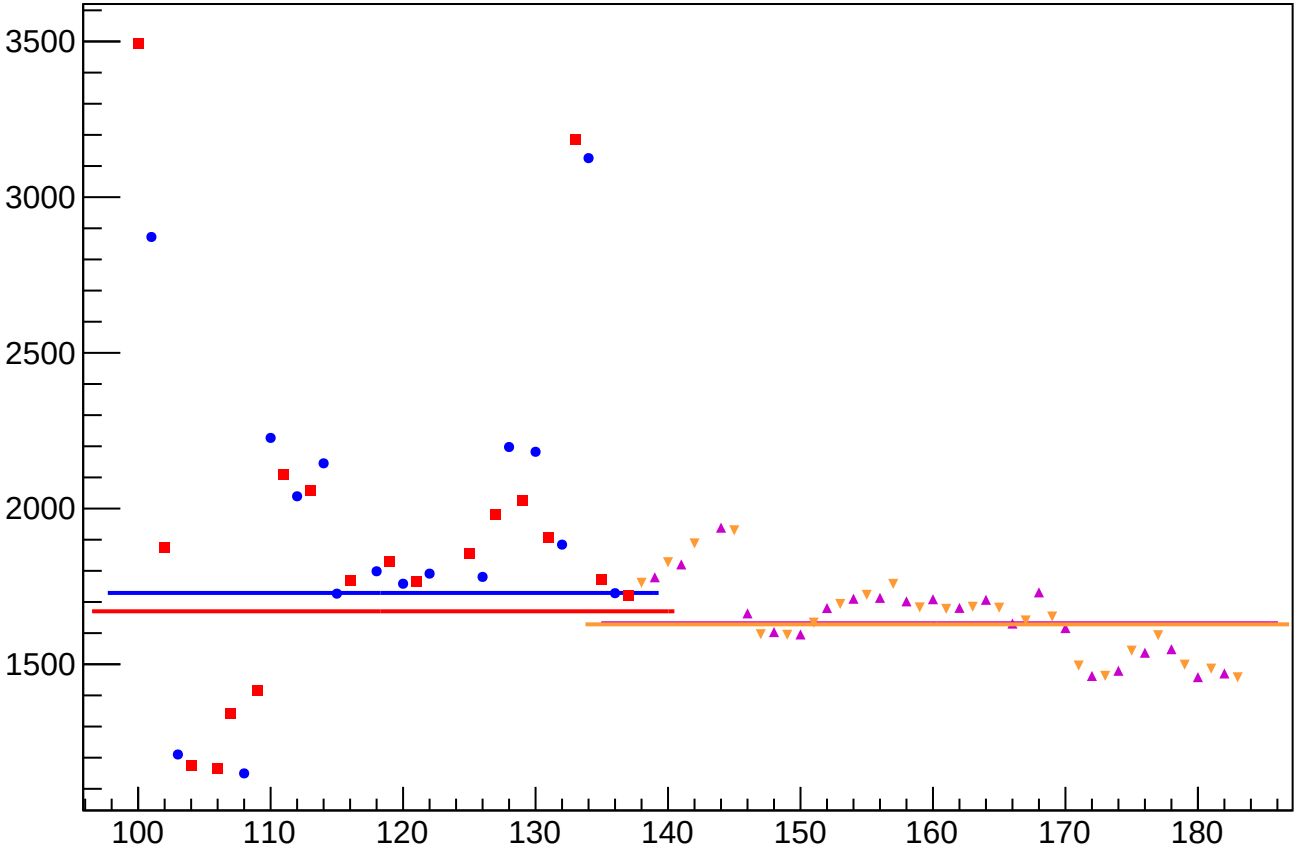
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 96.931+/-333.496 χ^2/NDF:40.2/37

Out: 48.250+/-328.925 χ^2/NDF:42.6/40

All: 72.254+/-234.185 χ^2/NDF: 82.8/78

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: 1628.191+/-0.270 χ^2/NDF:197569.6/22

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: 1629.925+/-0.192 χ^2/NDF: 394531.8/44

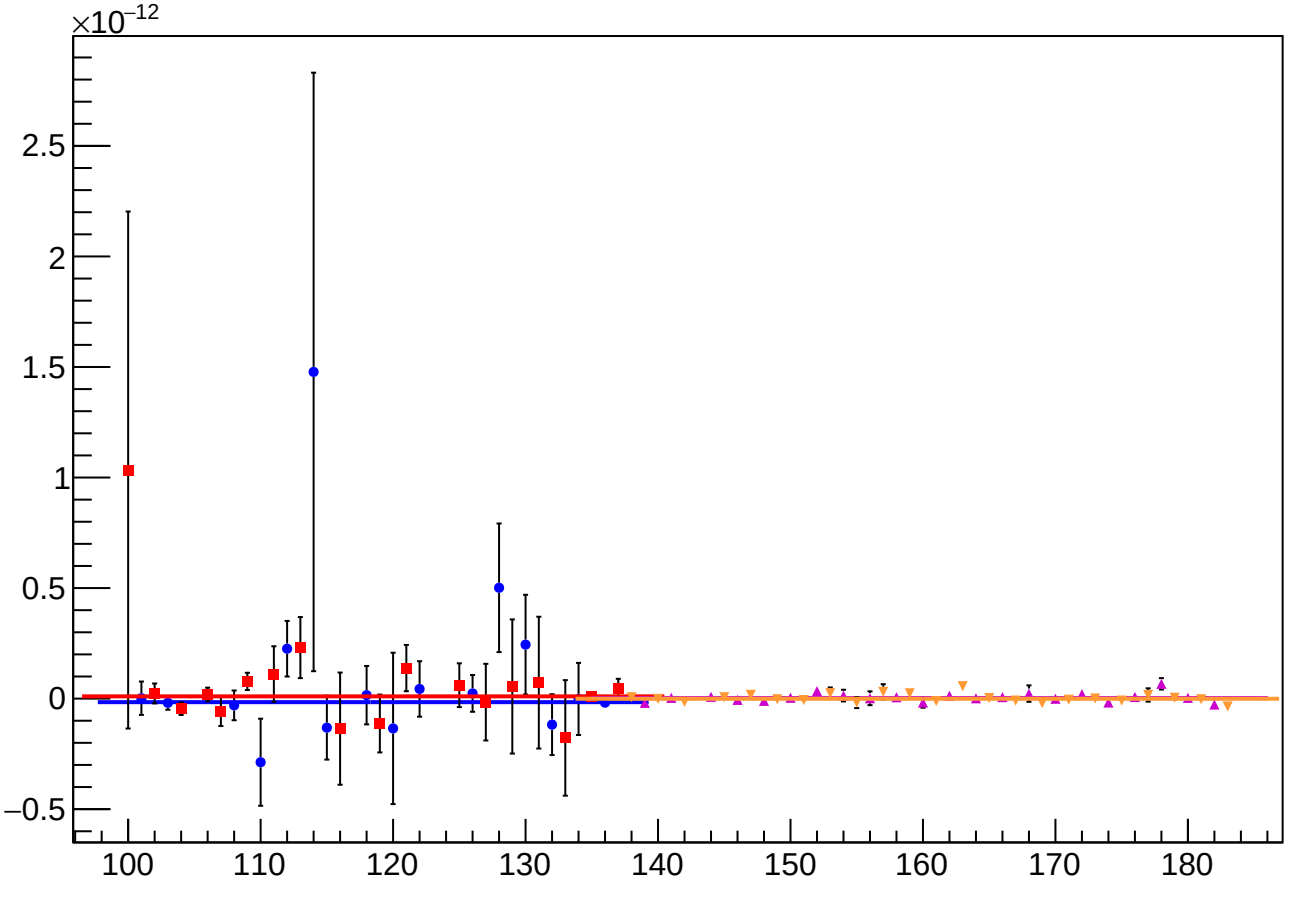
Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1656.086+/-0.236 χ^2/NDF:1170965.0/37

Out: 1638.967+/-0.233 χ^2/NDF:948214.9/40

All: 1647.409+/-0.166 χ^2/NDF: 2121851.1/78

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:21.9/21

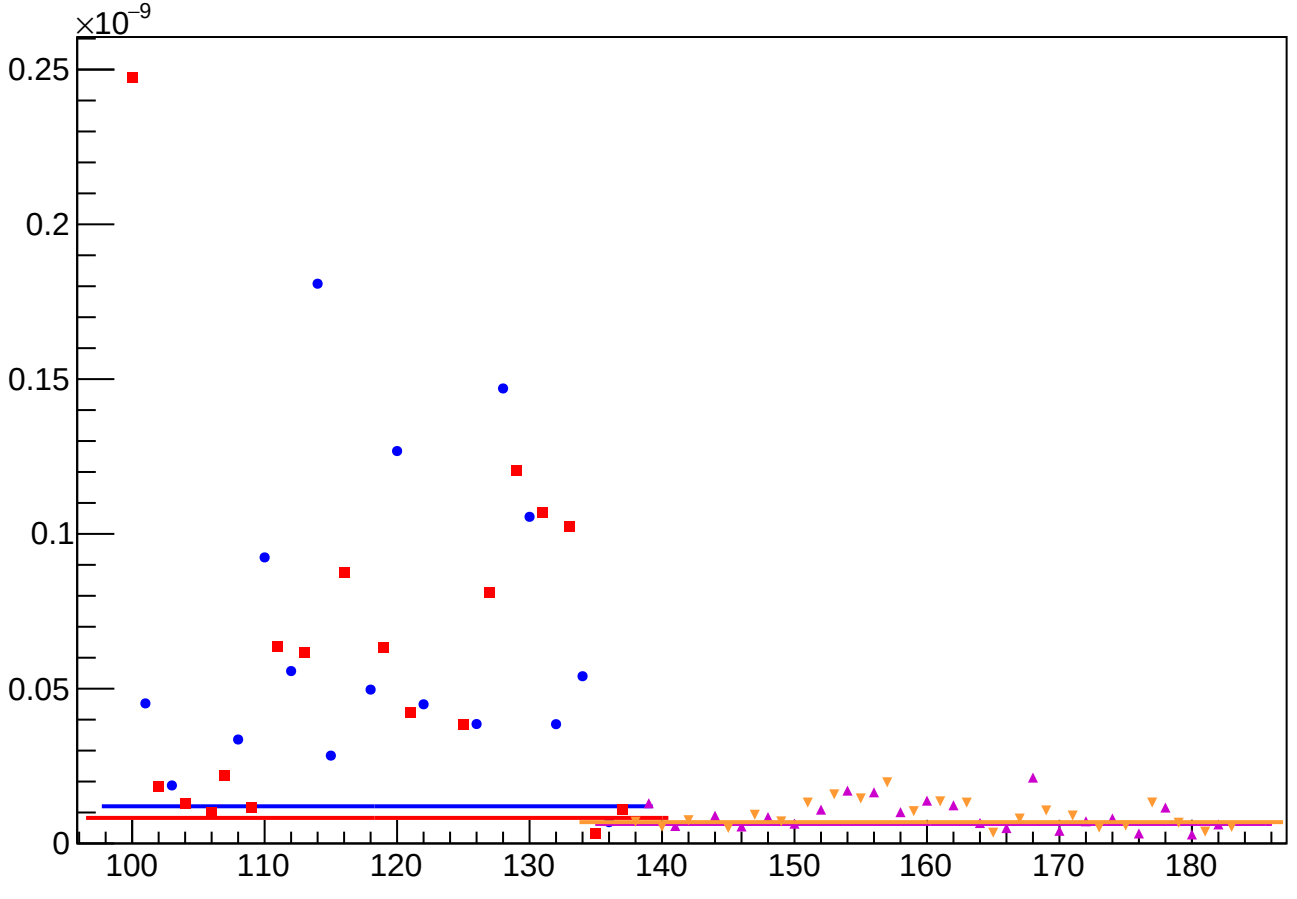
Left: 0.000+/-0.000 χ^2/NDF: 44.9/44

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:40.4/40

All: 0.000+/-0.000 χ^2/NDF: 78.6/78



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2256537.7/22

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: 5183361.4/44

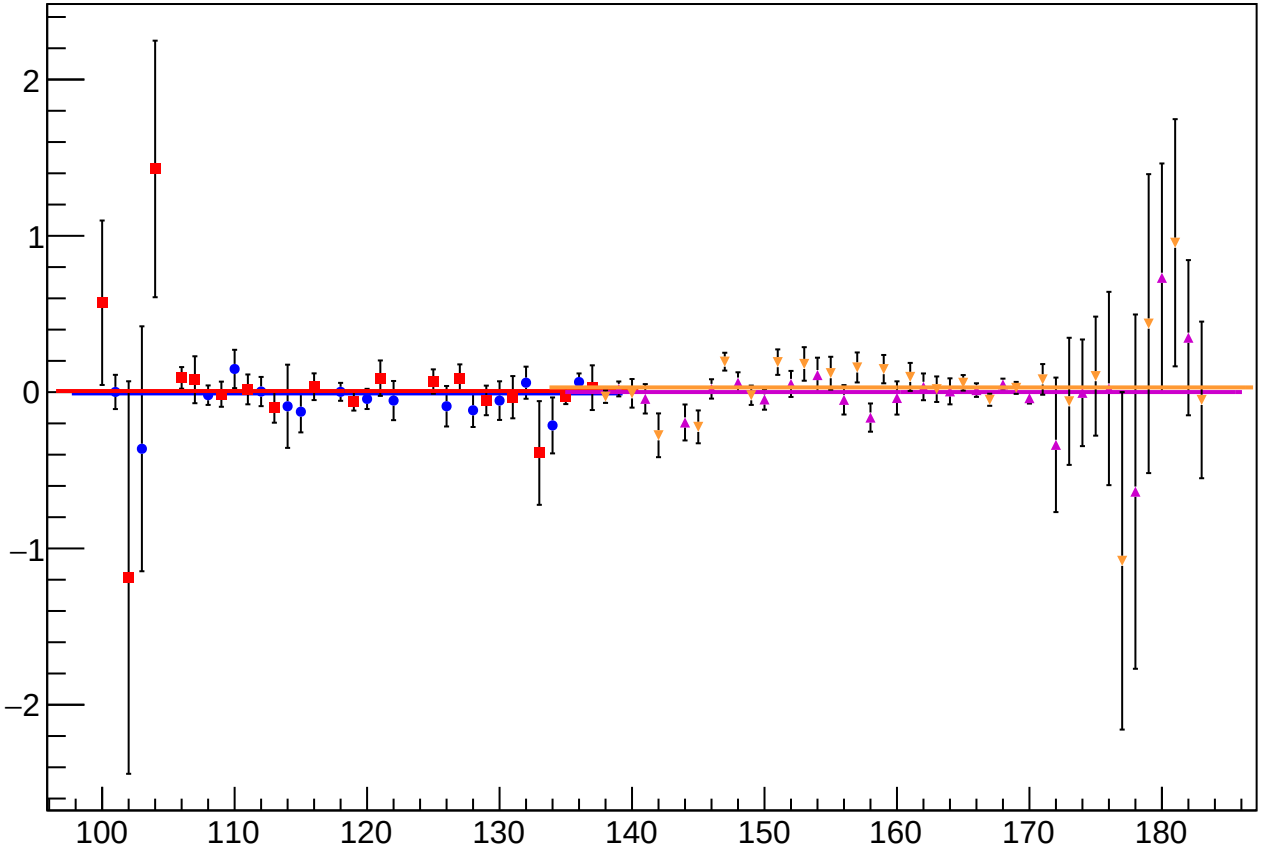
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:6887414.3/37

Out: 0.000+/-0.000 χ^2/NDF:5811308.7/40

All: 0.000+/-0.000 χ^2/NDF: 12713841.4/78

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:40.2/22

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: 57.4/44

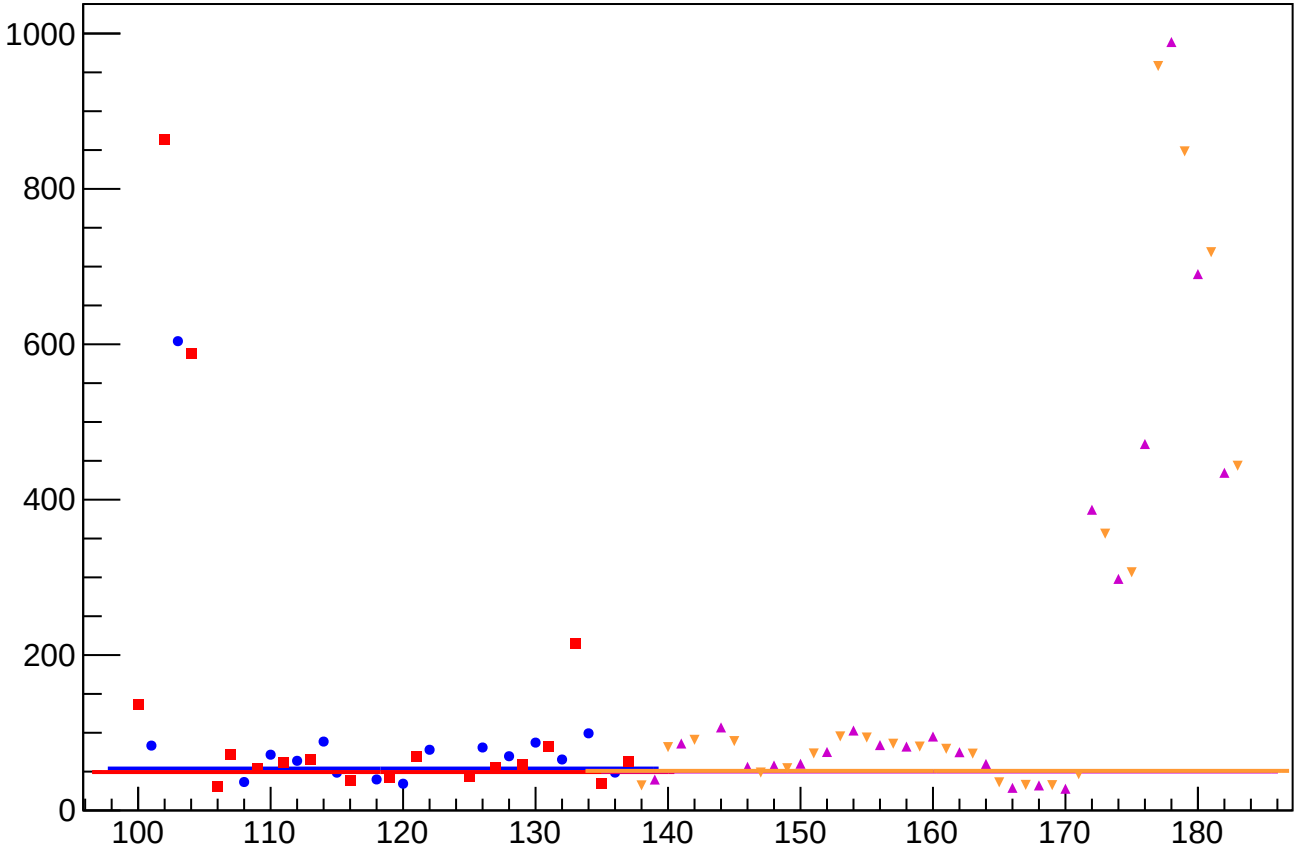
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:23.8/37

Out: 0.023+/-0.013 χ^2/NDF:54.6/40

All: 0.010+/-0.009 χ^2/NDF: 80.3/78

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: 50.945+/-0.011 χ^2/NDF:11344883.5/22

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: 50.519+/-0.008 χ^2/NDF: 23087042.3/44

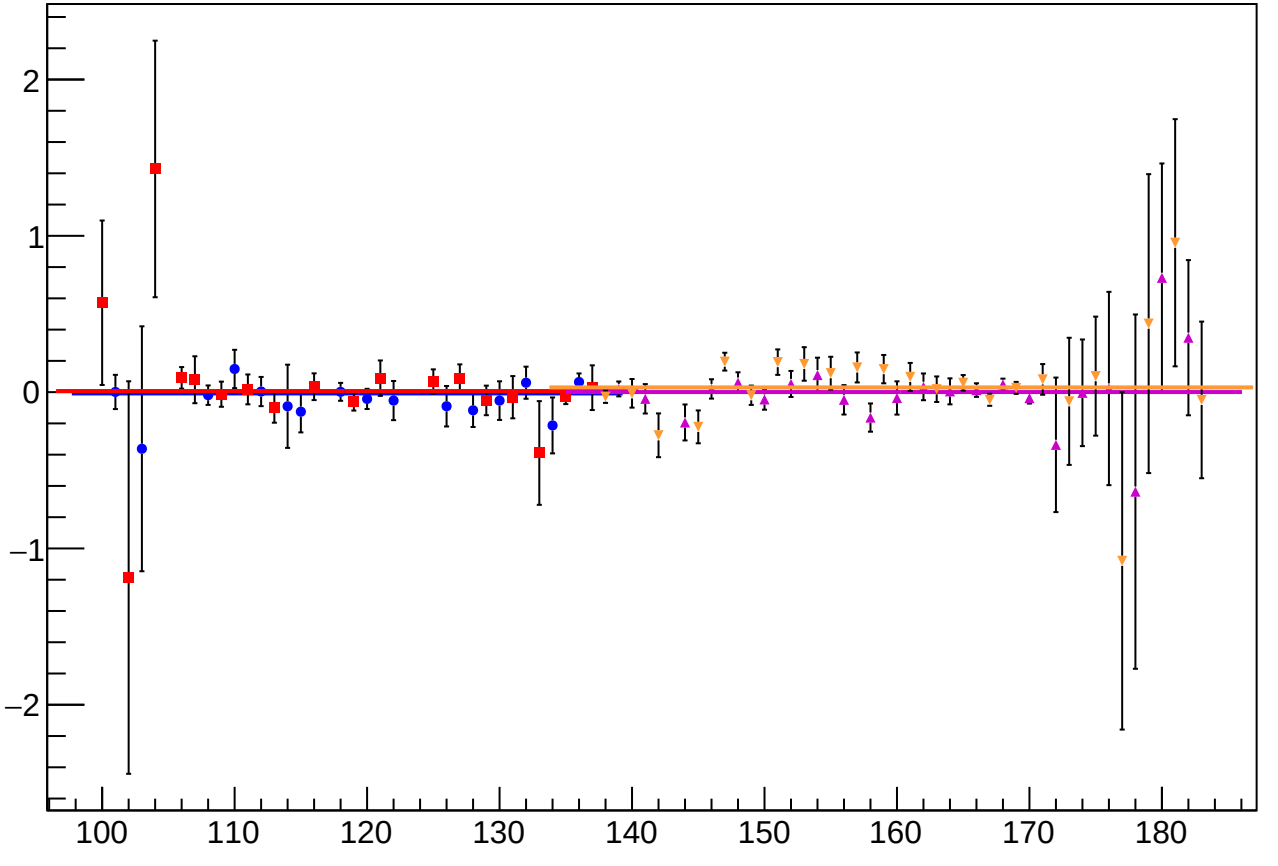
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 51.265+/-0.009 χ^2/NDF:13991607.1/37

Out: 50.447+/-0.009 χ^2/NDF:14368950.0/40

All: 50.855+/-0.006 χ^2/NDF: 28364692.3/78

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:40.2/22

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: 57.4/44

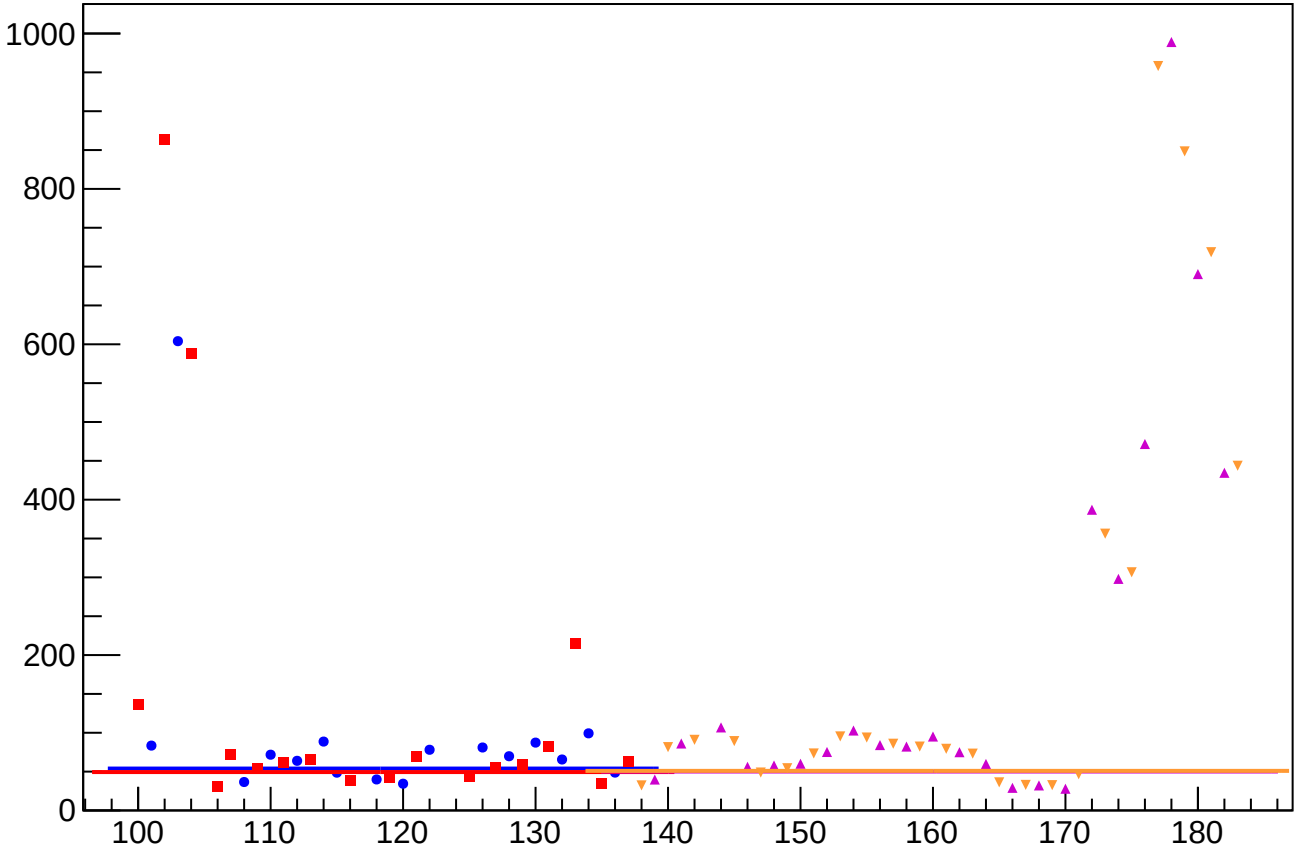
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:23.8/37

Out: 0.023+/-0.013 χ^2/NDF:54.6/40

All: 0.010+/-0.009 χ^2/NDF: 80.3/78

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: 50.945+/-0.011 χ^2/NDF:11344883.5/22

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: 50.519+/-0.008 χ^2/NDF: 23087042.3/44

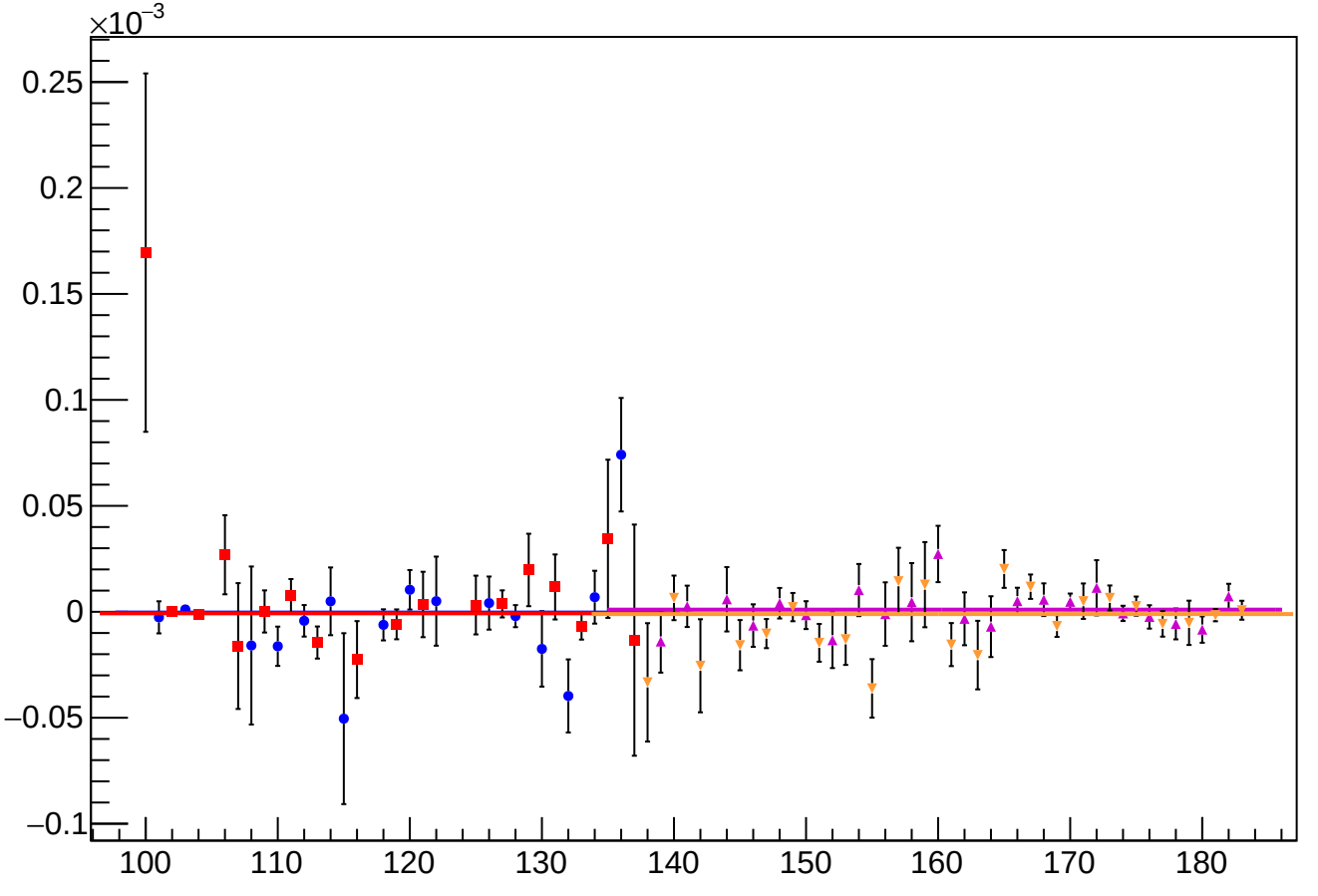
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 51.265+/-0.009 χ^2/NDF:13991607.1/37

Out: 50.447+/-0.009 χ^2/NDF:14368950.0/40

All: 50.855+/-0.006 χ^2/NDF: 28364692.3/78

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:37.1/22

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:15.4/21

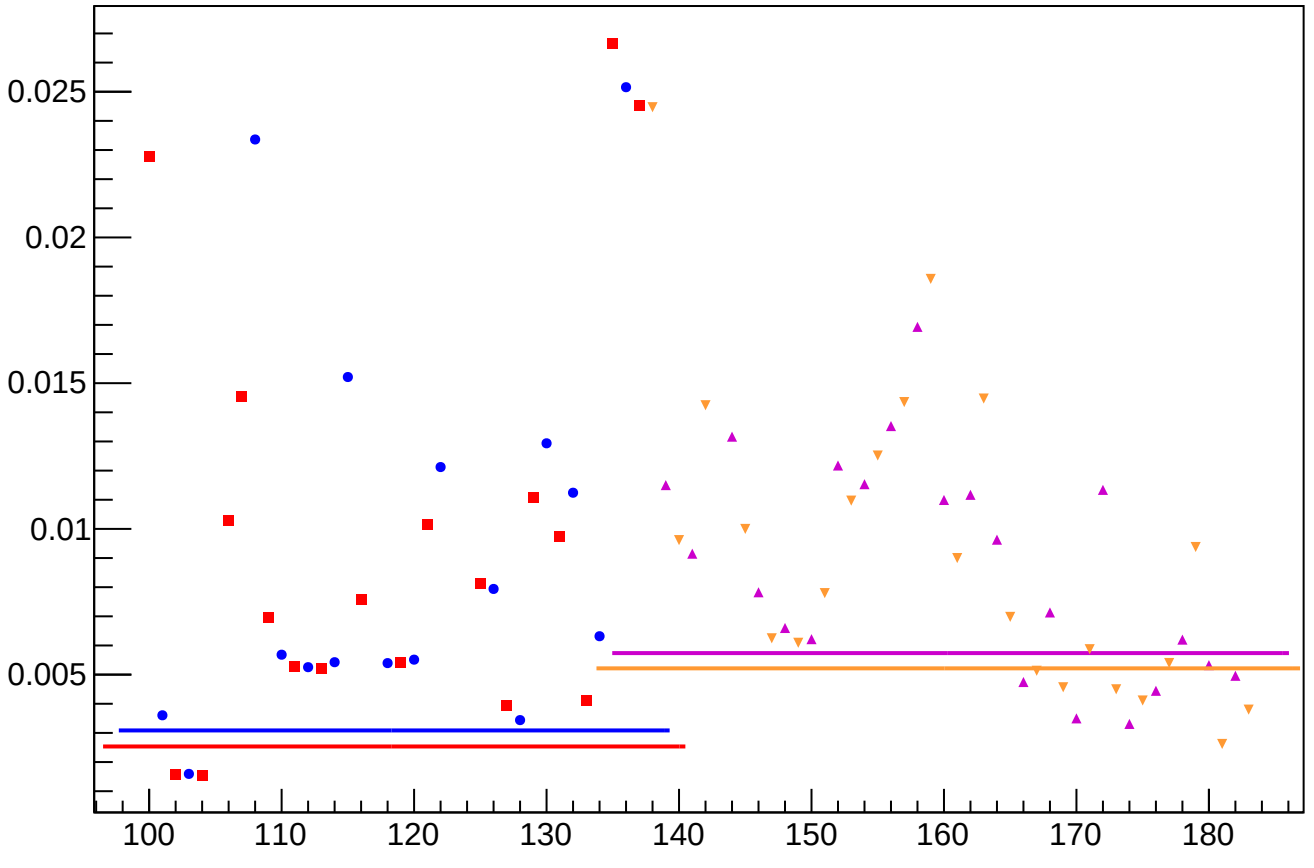
Left: -0.000+/-0.000 χ^2/NDF: 53.5/44

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:54.9/40

All: -0.000+/-0.000 χ^2/NDF: 93.5/78



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:8125768.0/22

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: 0.005+/-0.000 χ^2/NDF: 14663508.7/44

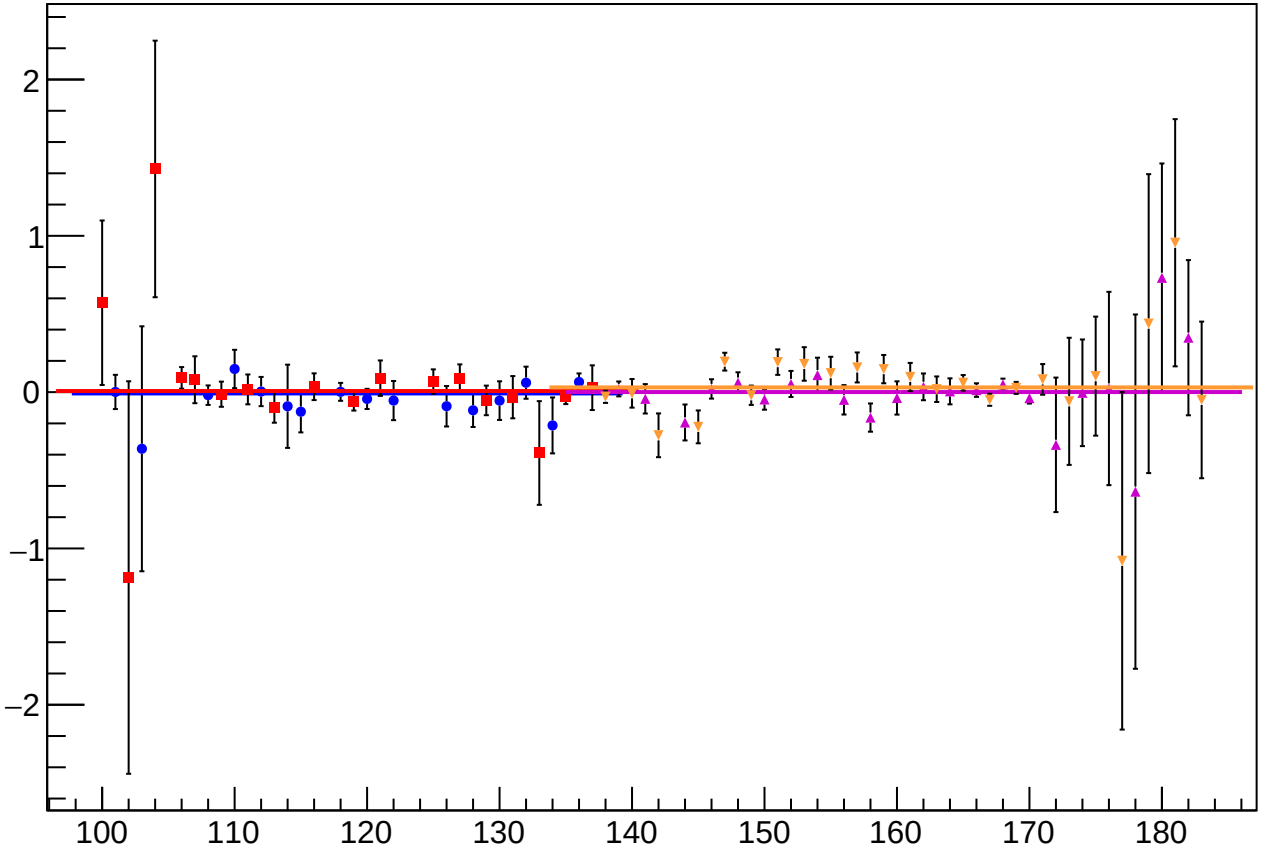
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:14959960.9/37

Out: 0.004+/-0.000 χ^2/NDF:18288777.7/40

All: 0.004+/-0.000 χ^2/NDF: 33751336.5/78

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:40.2/22

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: 57.4/44

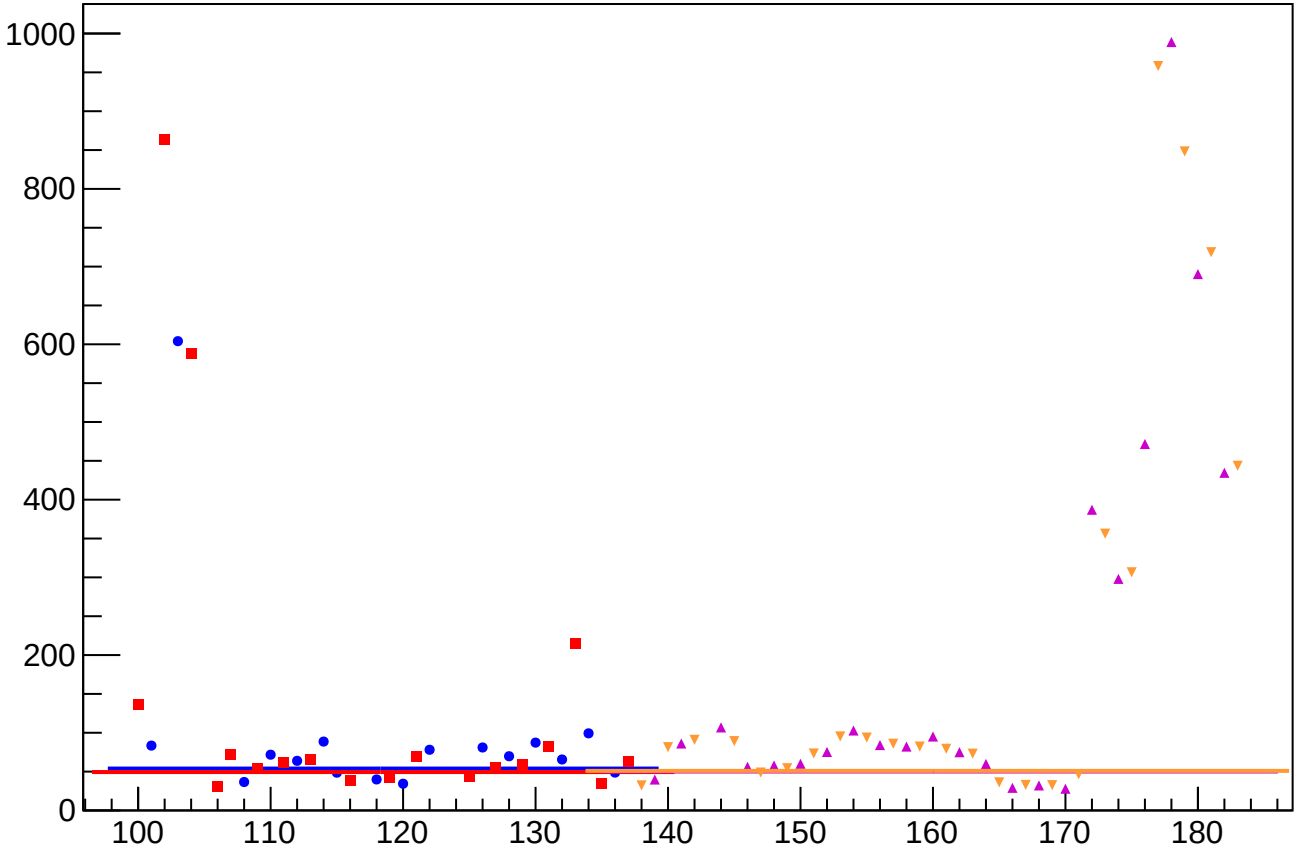
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:23.8/37

Out: 0.023+/-0.013 χ^2/NDF:54.6/40

All: 0.010+/-0.009 χ^2/NDF: 80.3/78

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: 50.948+/-0.011 χ^2/NDF:11344057.1/22

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: 50.520+/-0.008 χ^2/NDF: 23086173.6/44

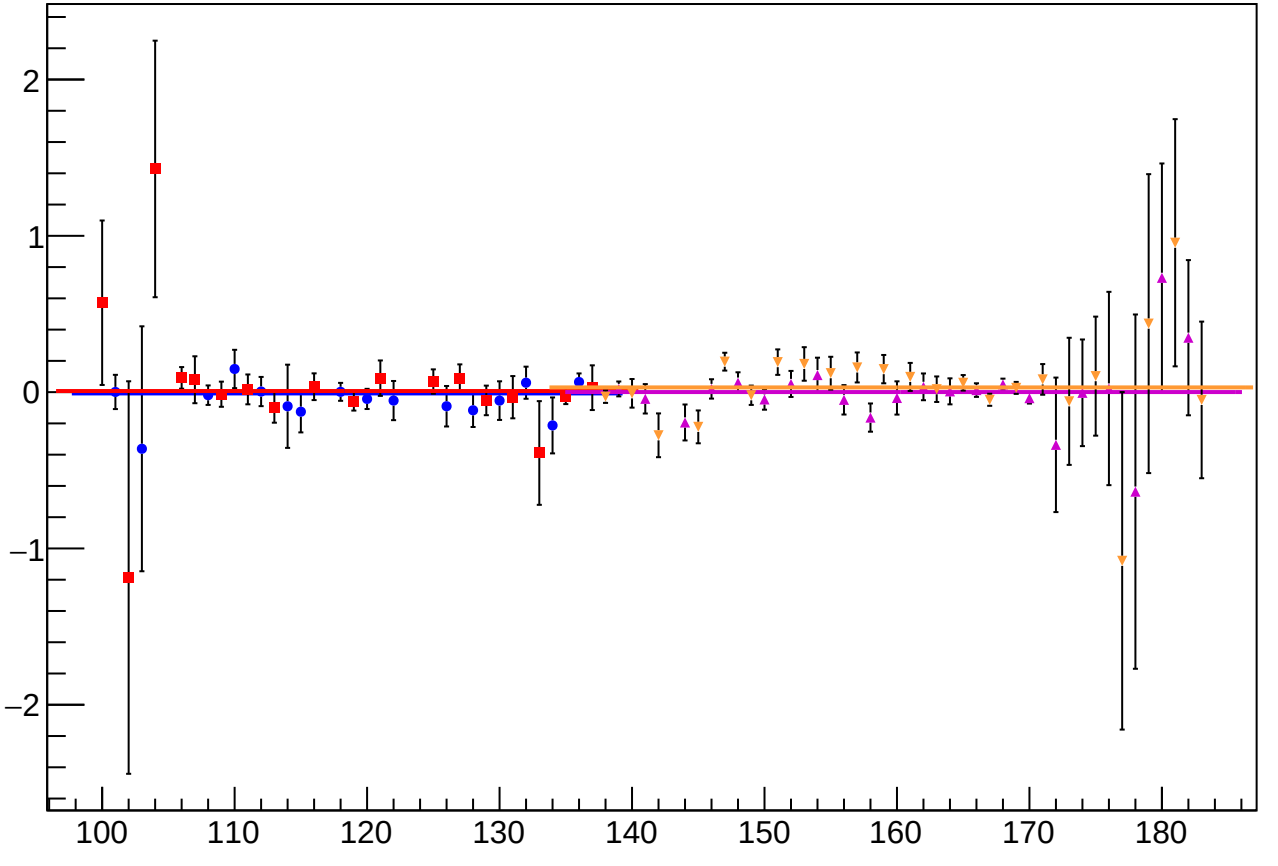
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 51.266+/-0.009 χ^2/NDF:13991213.4/37

Out: 50.449+/-0.009 χ^2/NDF:14367847.2/40

All: 50.856+/-0.006 χ^2/NDF: 28363182.1/78

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:40.2/22

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: 57.4/44

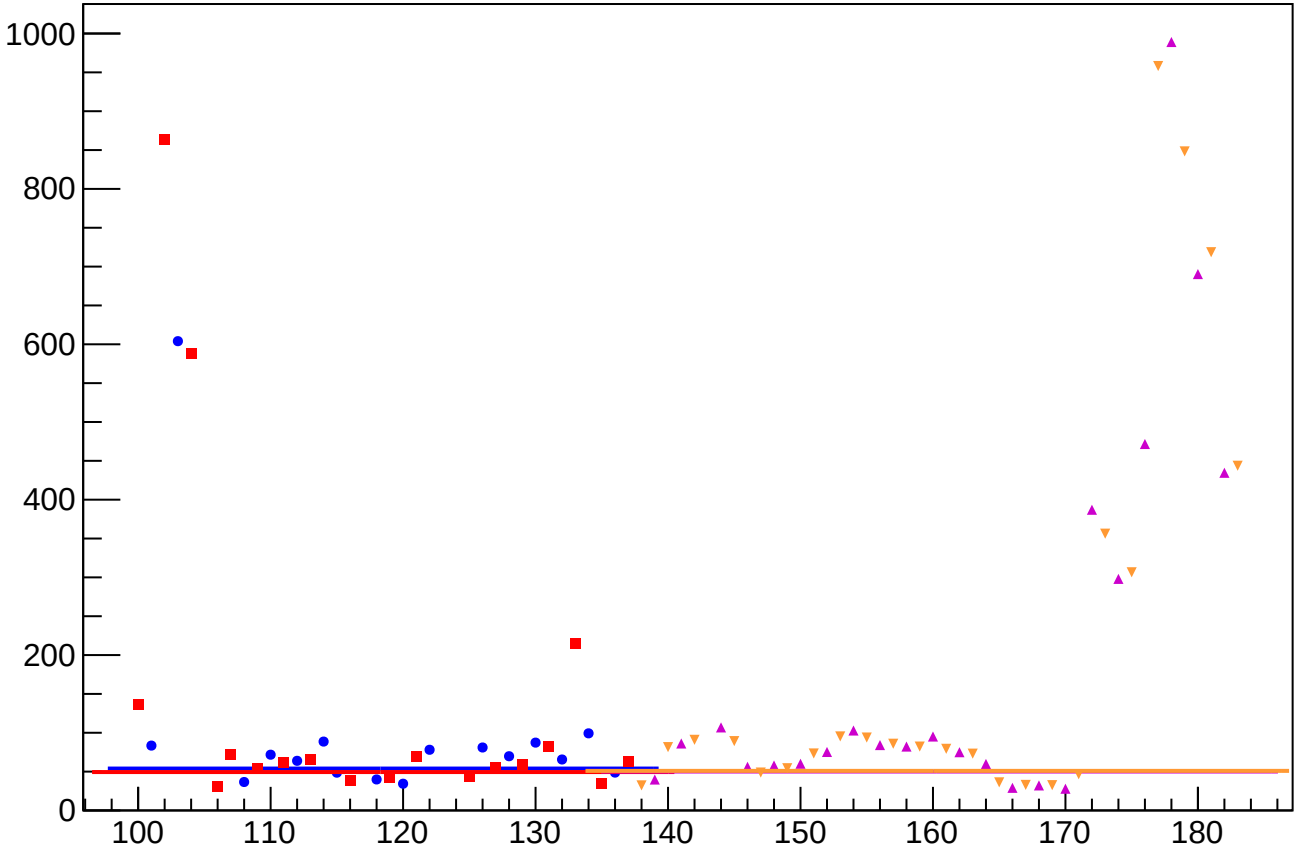
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:23.8/37

Out: 0.023+/-0.013 χ^2/NDF:54.6/40

All: 0.010+/-0.009 χ^2/NDF: 80.3/78

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: 50.948+/-0.011 χ^2/NDF:11344057.1/22

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 50.104+/-0.011 χ^2/NDF:11739103.5/21

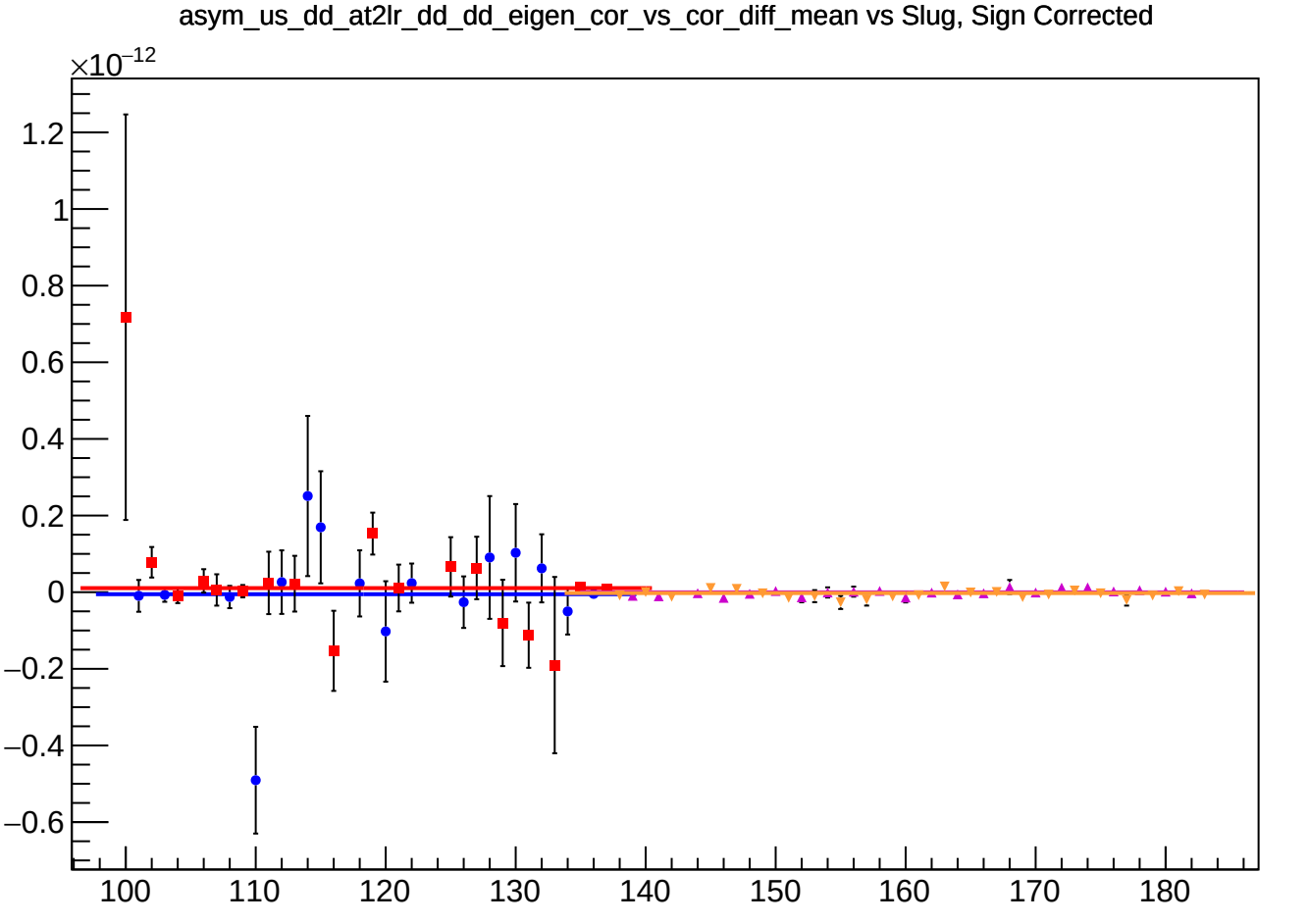
Left: 50.520+/-0.008 χ^2/NDF: 23086173.6/44

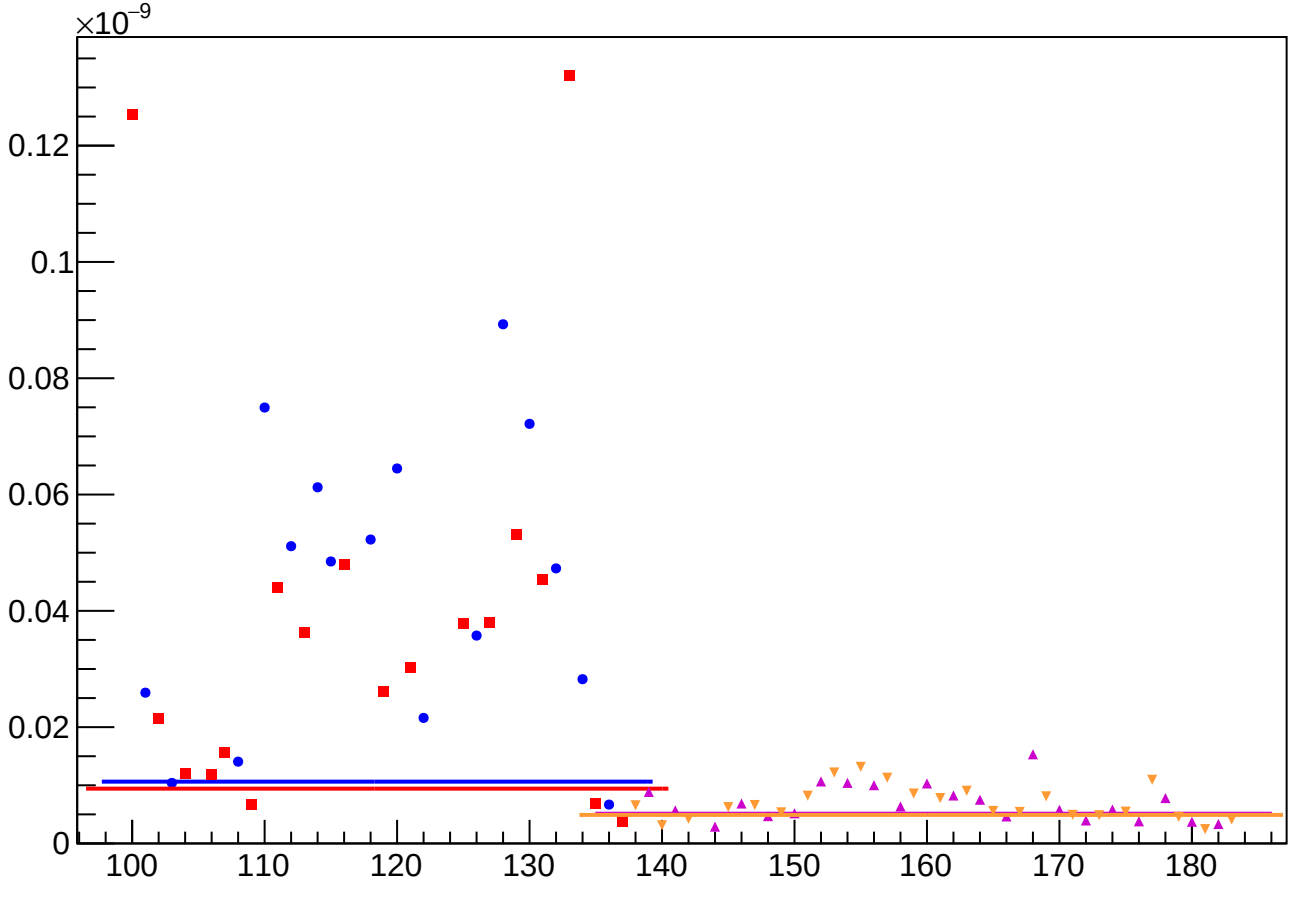
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 51.266+/-0.009 χ^2/NDF:13991213.4/37

Out: 50.449+/-0.009 χ^2/NDF:14367847.2/40

All: 50.856+/-0.006 χ^2/NDF: 28363182.1/78


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:22.2/22
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/17
Left In: -0.000+/-0.000 χ²/NDF:17.8/21
Left: -0.000+/-0.000 χ²/NDF: 40.9/44
Right: 0.000+/-0.000 χ²/NDF: 41.5/33
In: -0.000+/-0.000 χ²/NDF:36.9/37
Out: -0.000+/-0.000 χ²/NDF:46.1/40
All: -0.000+/-0.000 χ²/NDF: 83.3/78



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4306800.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:3773383.3/21

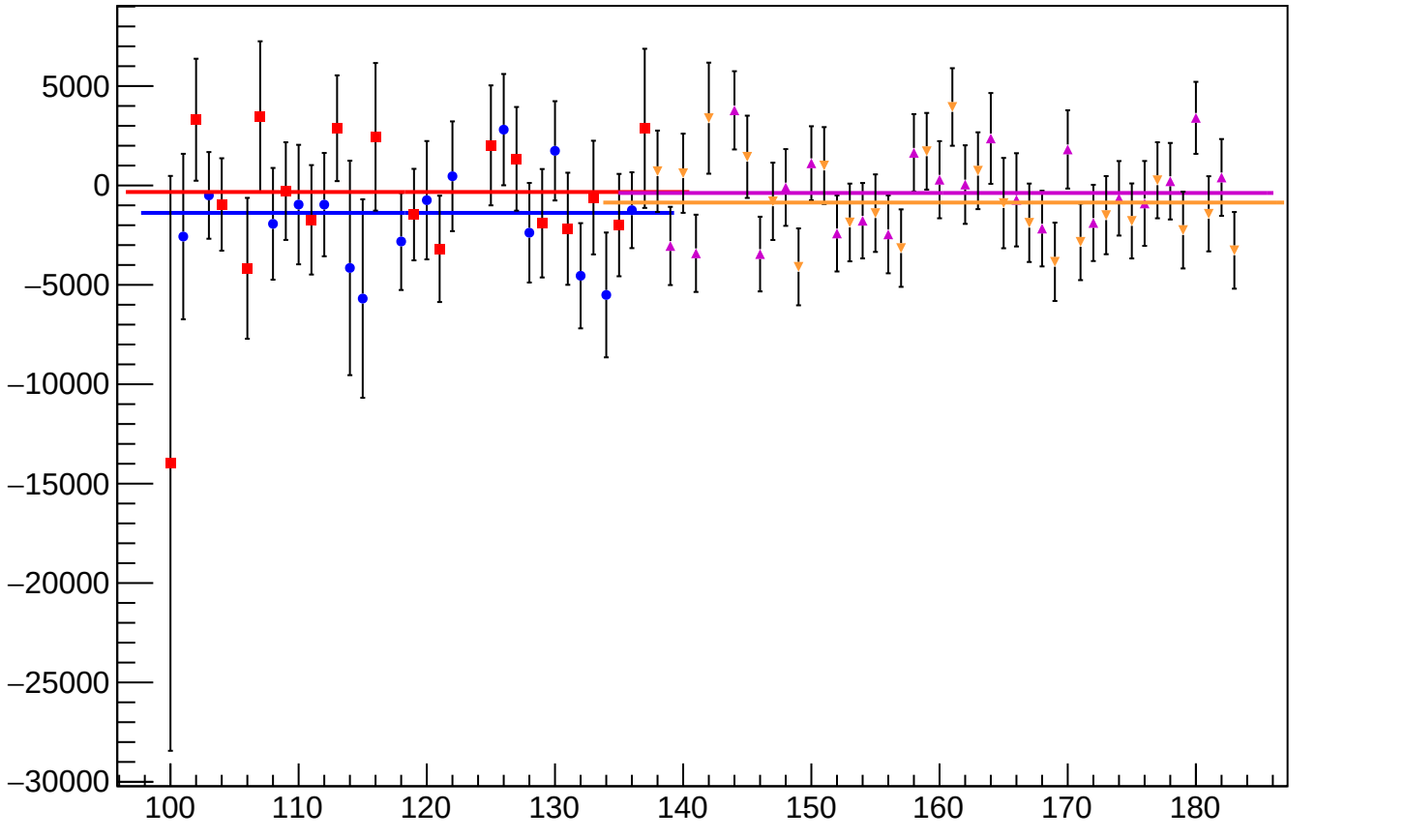
Left: 0.000+/-0.000 χ^2/NDF: 8098112.9/44

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:9565458.1/37

Out: 0.000+/-0.000 χ^2/NDF:9263066.5/40

All: 0.000+/-0.000 χ^2/NDF: 18855906.7/78



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -859.898+/-413.549 χ^2/NDF:25.1/22

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -377.475+/-417.253 χ^2/NDF:25.0/21

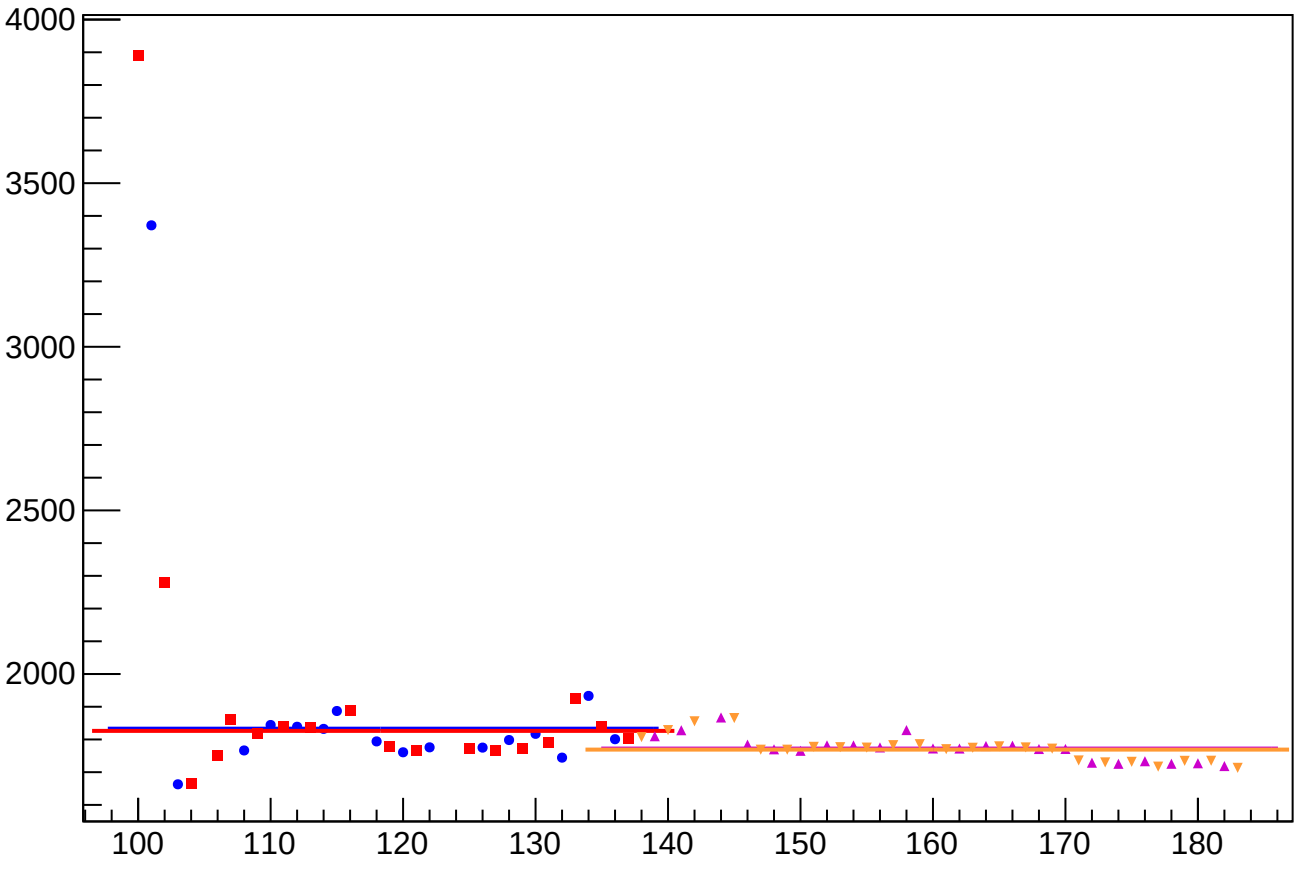
Left: -620.837+/-293.724 χ^2/NDF: 50.8/44

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -646.135+/-356.912 χ^2/NDF:35.9/37

Out: -717.685+/-353.879 χ^2/NDF:36.6/40

All: -682.216+/-251.296 χ^2/NDF: 72.5/78



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1769.001+/-0.292 χ^2/NDF:15758.2/22

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1772.148+/-0.295 χ^2/NDF:15849.2/21

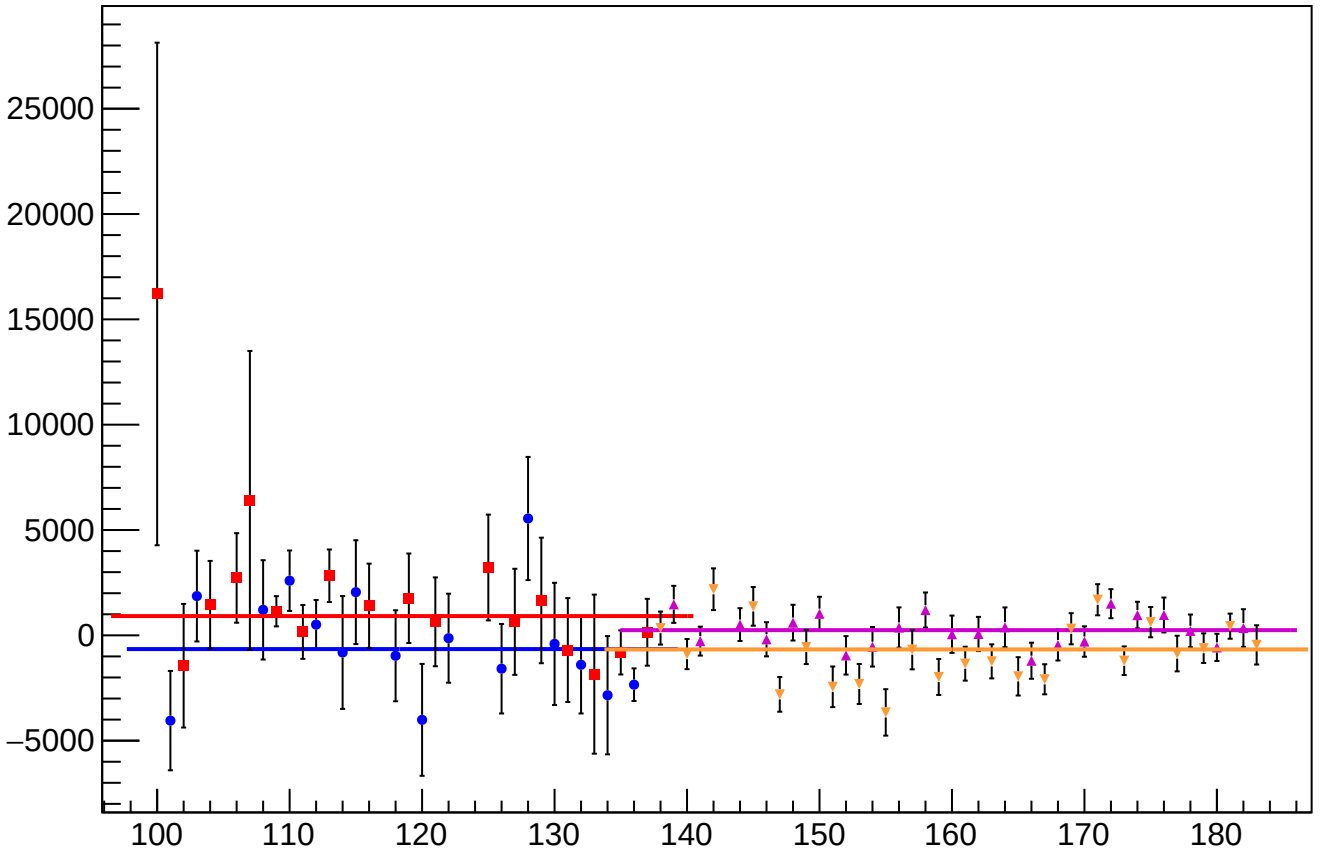
Left: 1770.560+/-0.208 χ^2/NDF: 31664.8/44

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1788.461+/-0.252 χ^2/NDF:322682.4/37

Out: 1784.319+/-0.250 χ^2/NDF:129012.3/40

All: 1786.372+/-0.178 χ^2/NDF: 451830.5/78



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -667.797+/-167.361 χ^2/NDF:64.3/22

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: -216.070+/-119.074 χ^2/NDF: 98.3/44

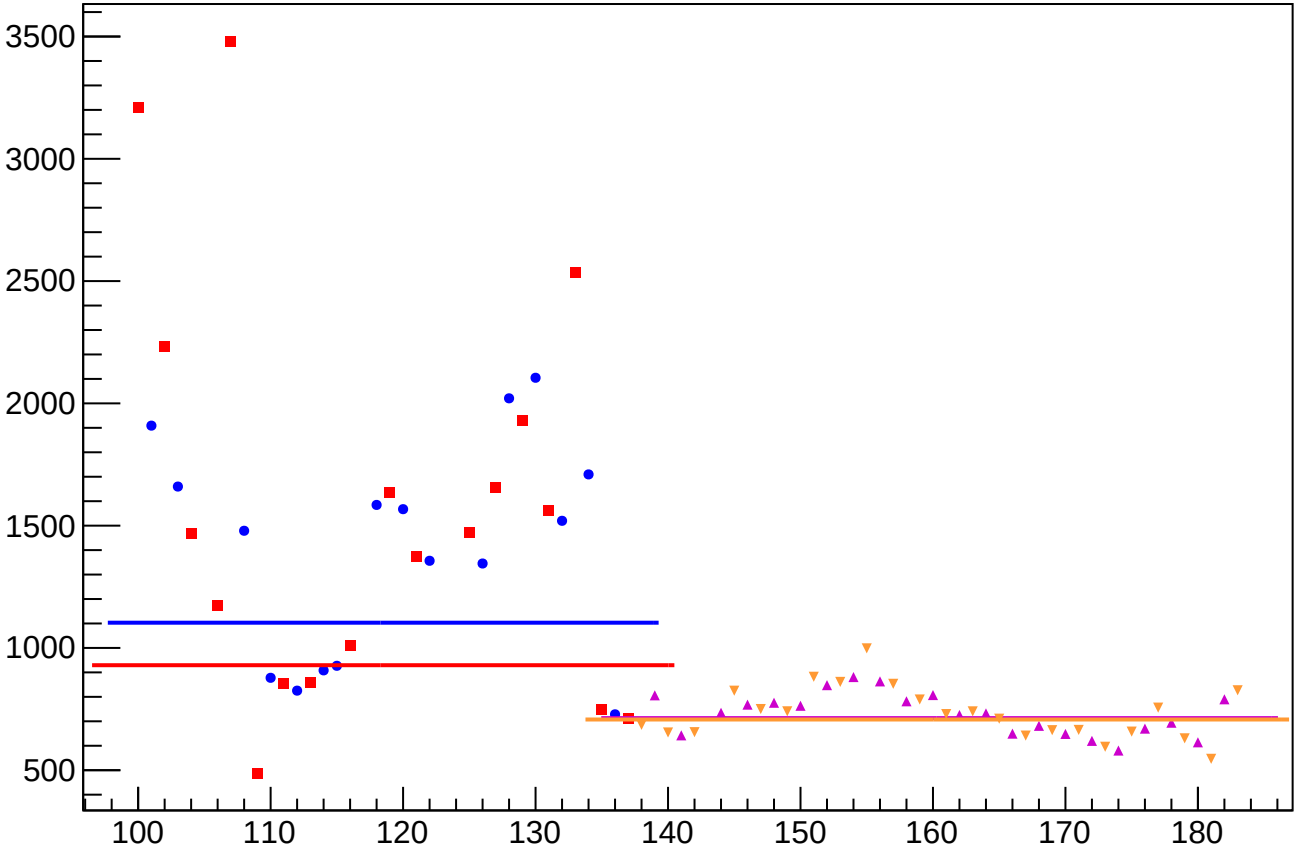
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 131.873+/-158.227 χ^2/NDF:46.1/37

Out: -425.302+/-154.005 χ^2/NDF:89.6/40

All: -154.247+/-110.361 χ^2/NDF: 142.0/78

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: 707.370+/-0.118 χ^2/NDF:692046.8/22

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 713.078+/-0.120 χ^2/NDF:491086.9/21

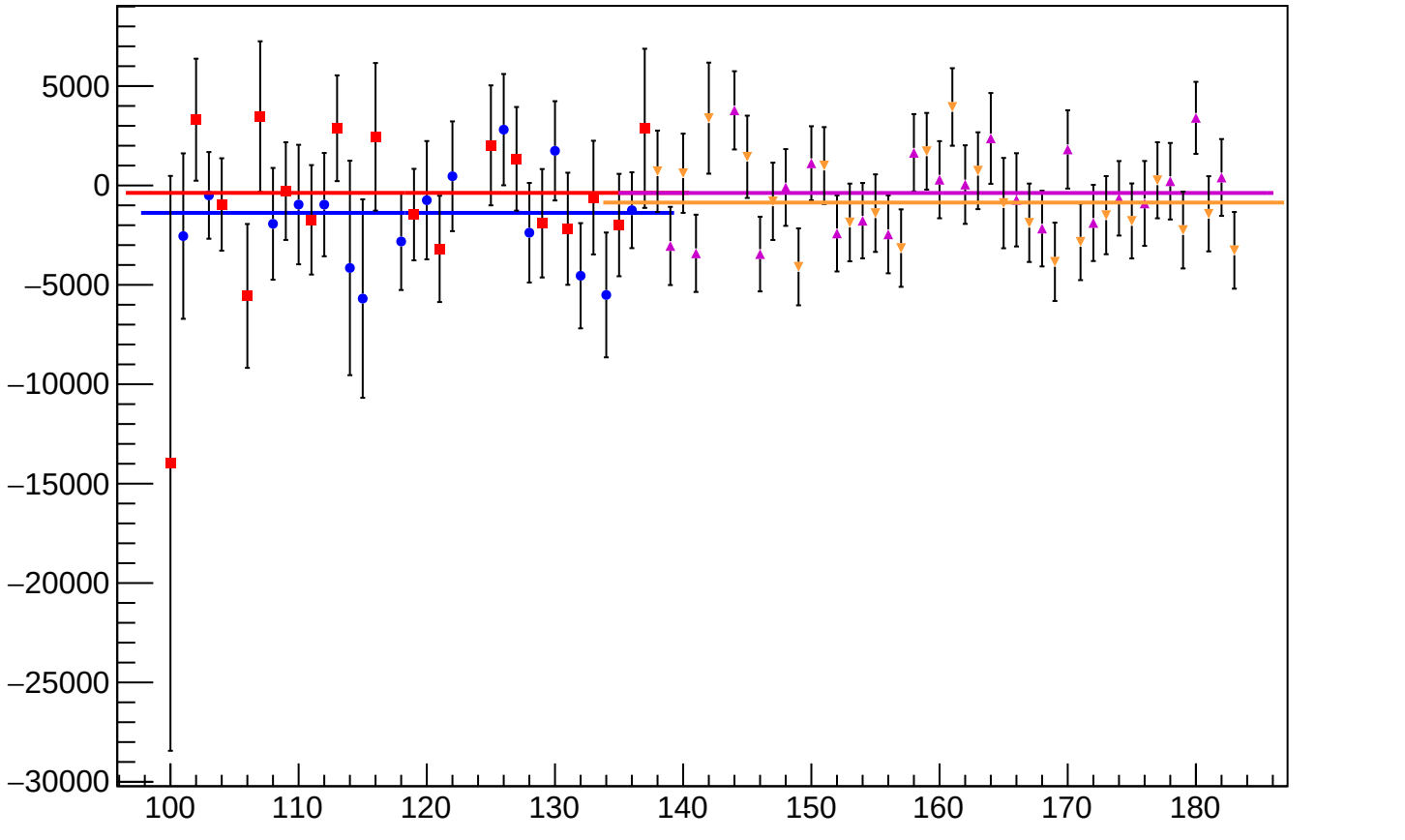
Left: 710.189+/-0.084 χ^2/NDF: 1184282.2/44

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 763.039+/-0.112 χ^2/NDF:3726845.0/37

Out: 741.386+/-0.109 χ^2/NDF:4285314.4/40

All: 751.920+/-0.078 χ^2/NDF: 8031392.9/78



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -859.813+/-413.549 χ^2/NDF:25.1/22

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -377.446+/-417.253 χ^2/NDF:25.0/21

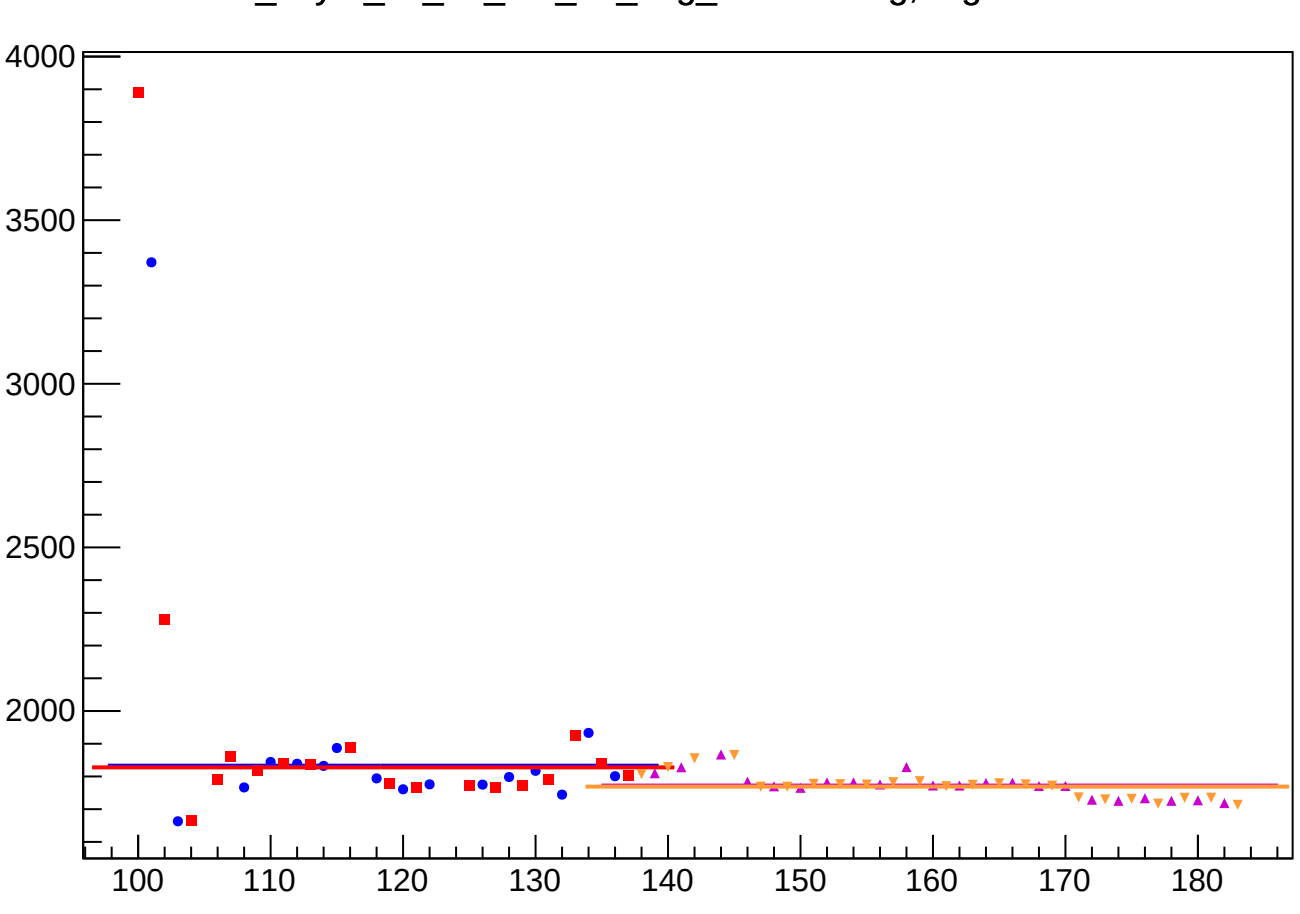
Left: -620.780+/-293.724 χ^2/NDF: 50.8/44

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -645.946+/-356.912 χ^2/NDF:35.9/37

Out: -729.487+/-353.951 χ^2/NDF:37.5/40

All: -688.064+/-251.321 χ^2/NDF: 73.3/78



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1769.001+/-0.292 χ^2/NDF:15758.2/22

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1772.148+/-0.295 χ^2/NDF:15849.2/21

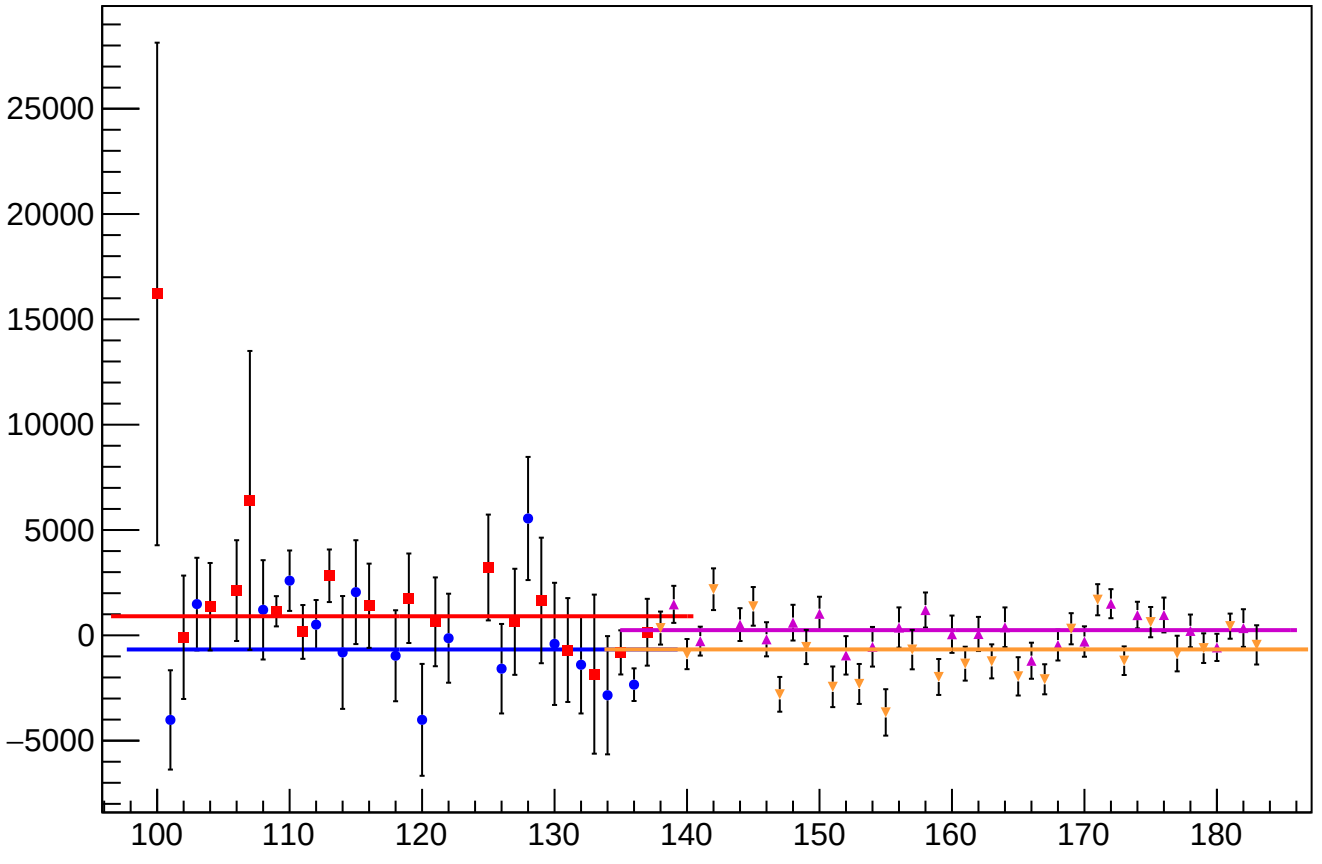
Left: 1770.560+/-0.208 χ^2/NDF: 31664.8/44

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1788.461+/-0.252 χ^2/NDF:322684.2/37

Out: 1784.723+/-0.250 χ^2/NDF:128836.7/40

All: 1786.577+/-0.178 χ^2/NDF: 451631.5/78



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -667.786+/-167.362 χ^2/NDF:64.3/22

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: -216.115+/-119.074 χ^2/NDF: 98.3/44

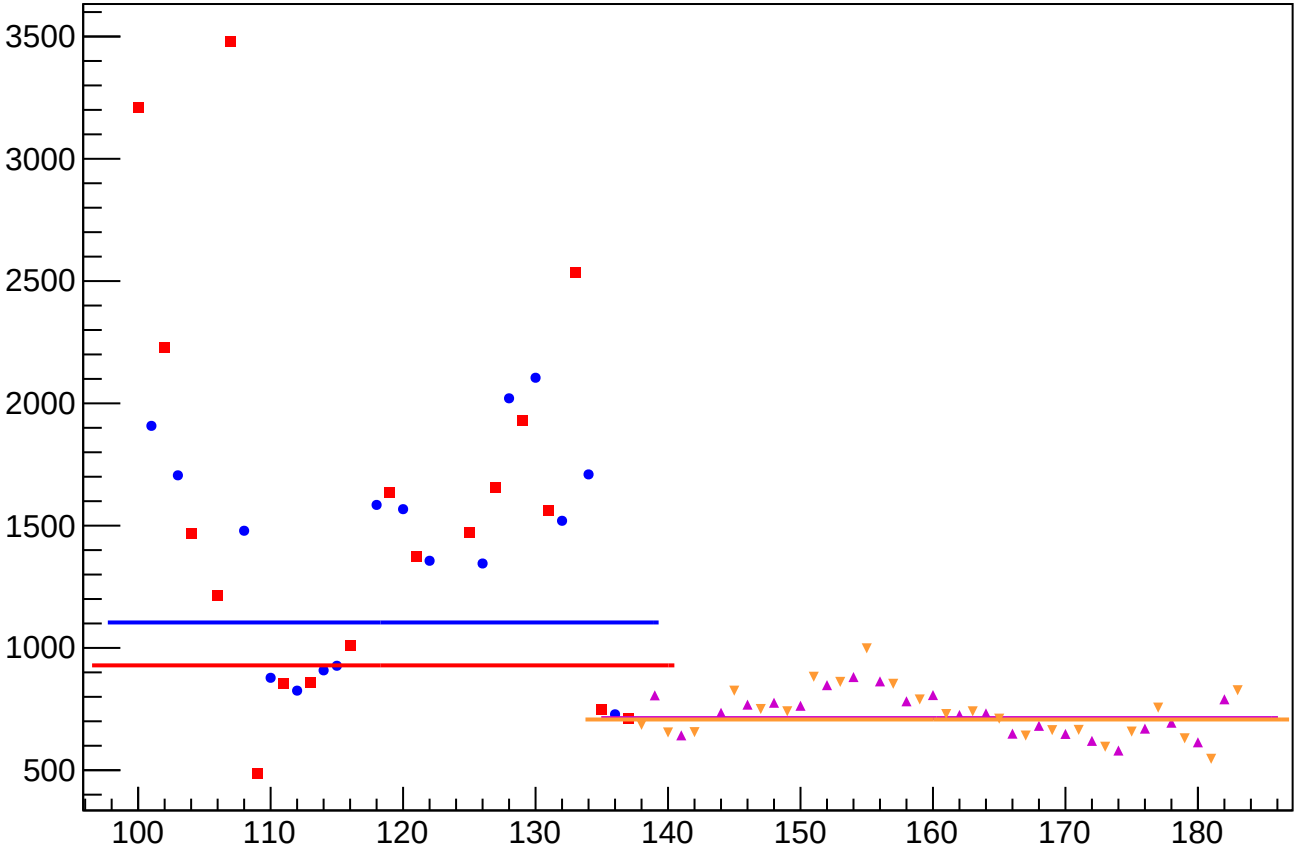
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 129.572+/-158.245 χ^2/NDF:45.8/37

Out: -428.085+/-154.089 χ^2/NDF:88.3/40

All: -156.674+/-110.398 χ^2/NDF: 140.4/78

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: 707.376+/-0.118 χ^2/NDF:692018.5/22

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 713.083+/-0.120 χ^2/NDF:491089.1/21

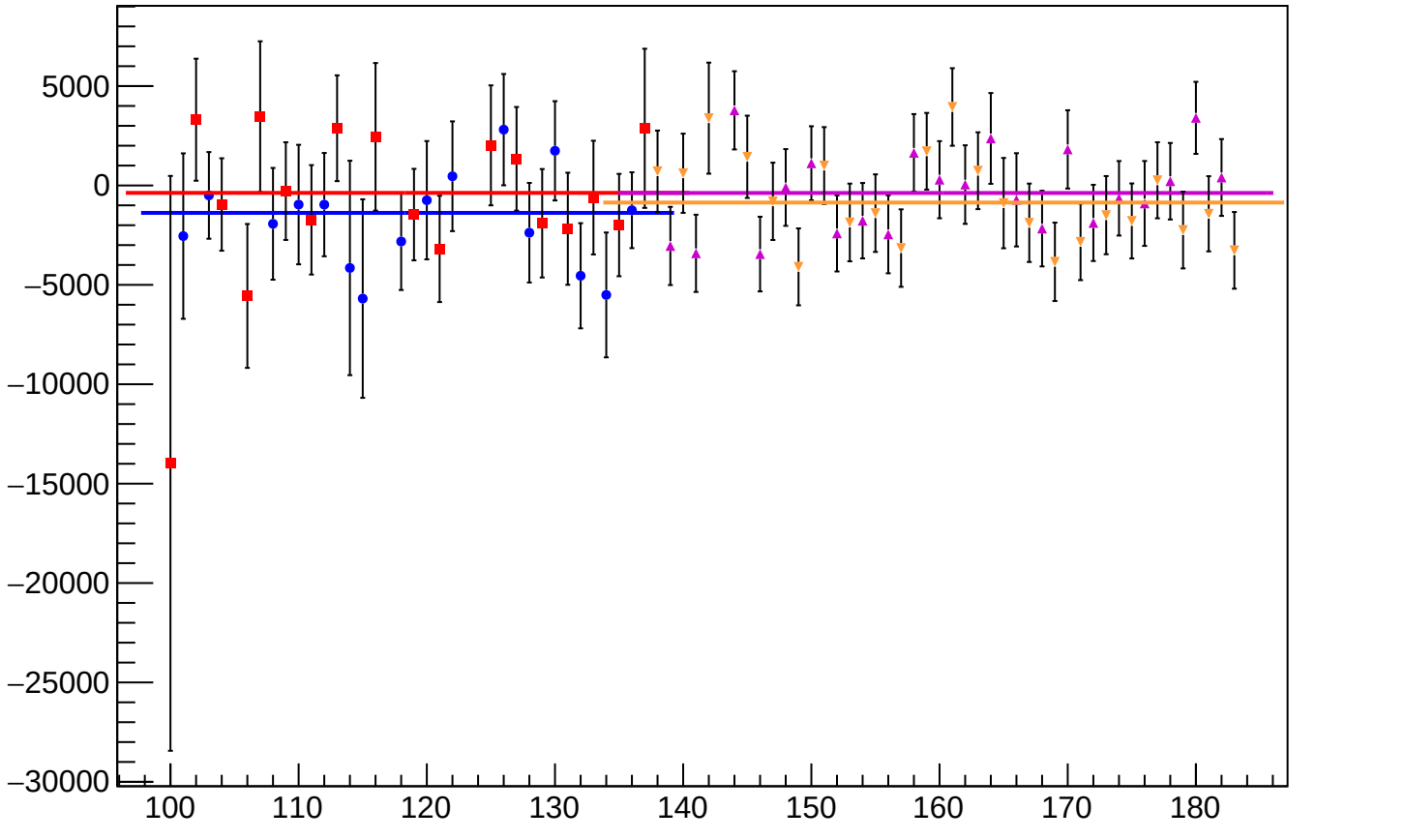
Left: 710.194+/-0.084 χ^2/NDF: 1184256.2/44

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 763.089+/-0.112 χ^2/NDF:3747526.6/37

Out: 741.077+/-0.109 χ^2/NDF:4278820.3/40

All: 751.790+/-0.078 χ^2/NDF: 8046210.8/78



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -859.813+/-413.549 χ^2/NDF:25.1/22

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -377.446+/-417.253 χ^2/NDF:25.0/21

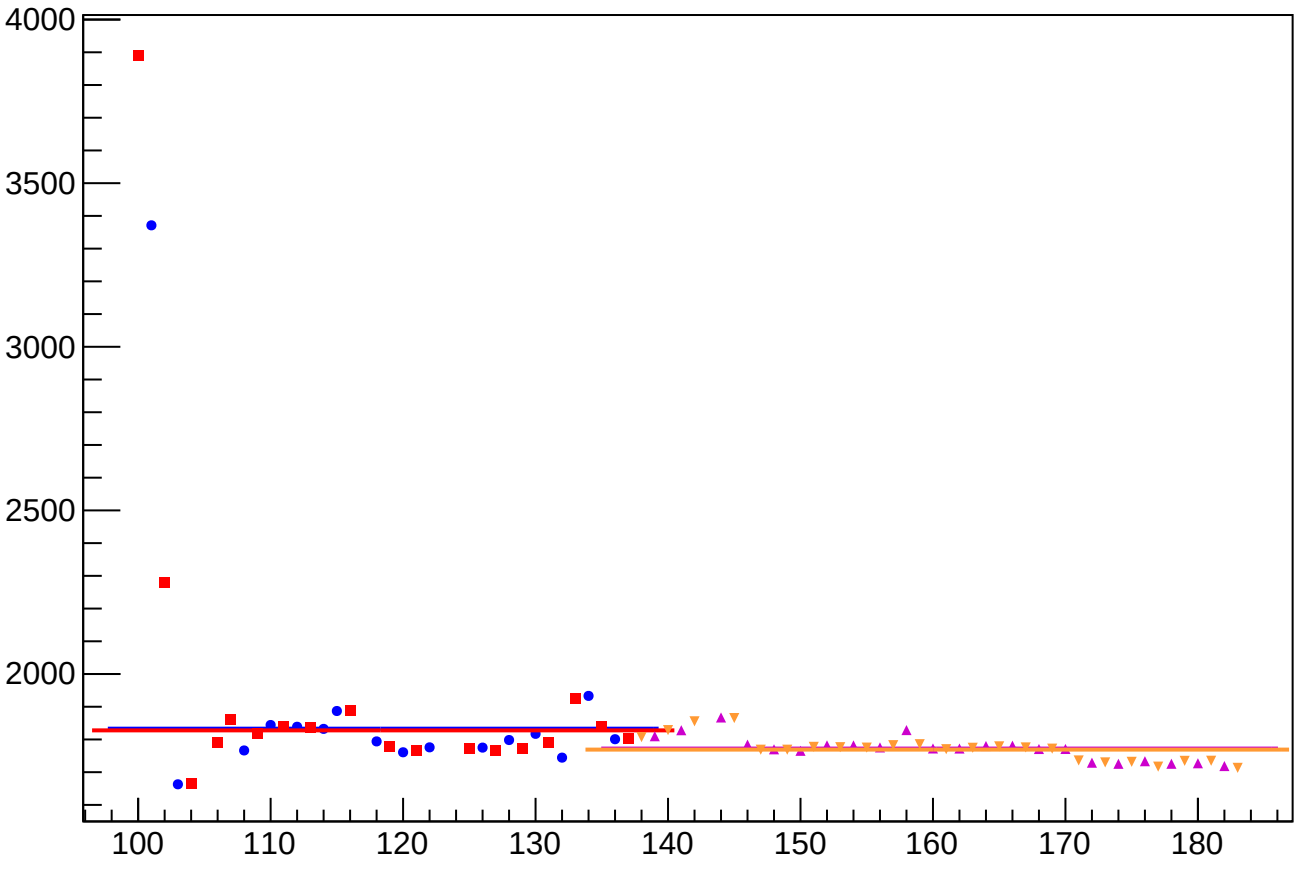
Left: -620.780+/-293.724 χ^2/NDF: 50.8/44

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -645.946+/-356.912 χ^2/NDF:35.9/37

Out: -729.487+/-353.951 χ^2/NDF:37.5/40

All: -688.064+/-251.321 χ^2/NDF: 73.3/78



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1769.001+/-0.292 χ^2/NDF:15758.2/22

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1772.148+/-0.295 χ^2/NDF:15849.2/21

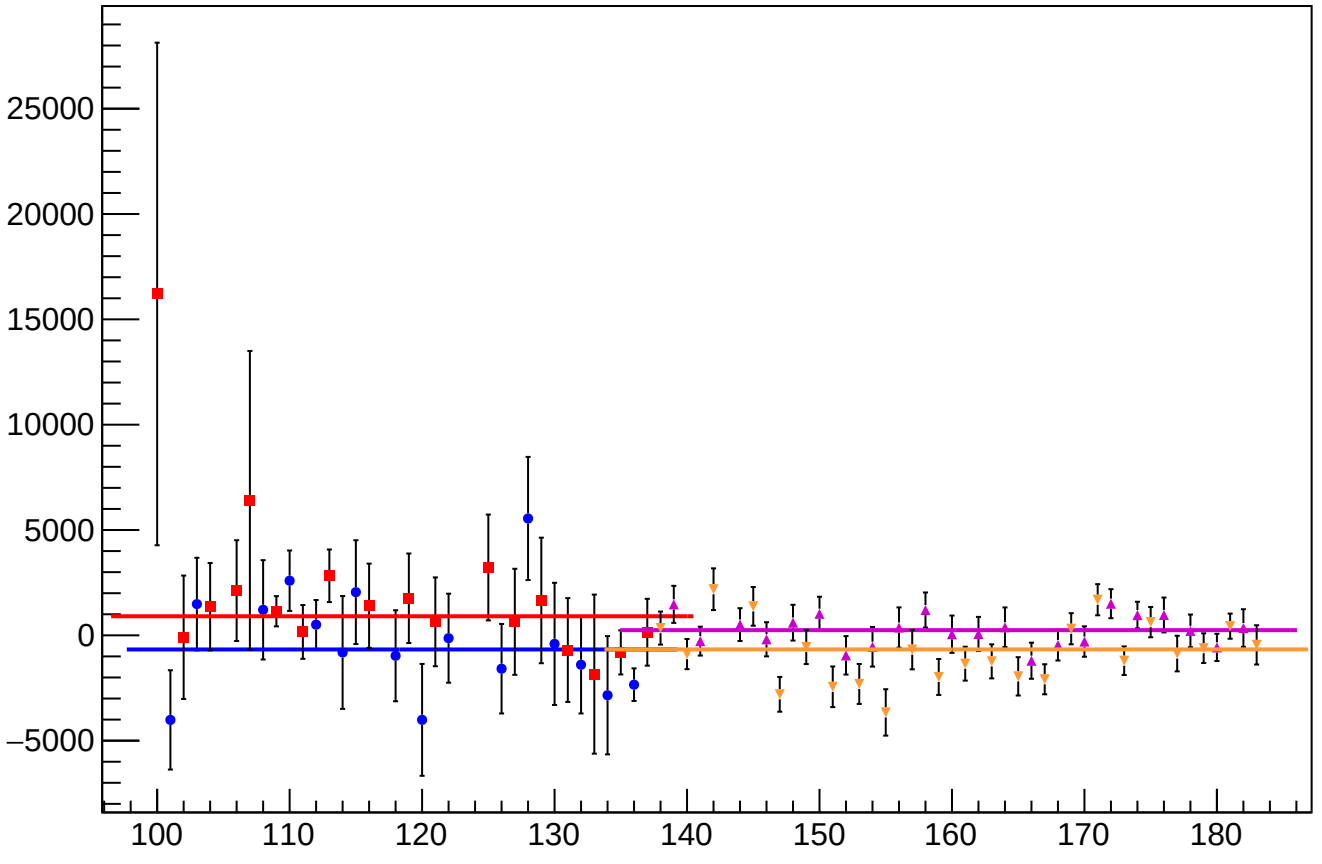
Left: 1770.560+/-0.208 χ^2/NDF: 31664.8/44

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1788.461+/-0.252 χ^2/NDF:322684.2/37

Out: 1784.723+/-0.250 χ^2/NDF:128836.7/40

All: 1786.577+/-0.178 χ^2/NDF: 451631.5/78



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -667.786+/-167.362 χ^2/NDF:64.3/22

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: -216.115+/-119.074 χ^2/NDF: 98.3/44

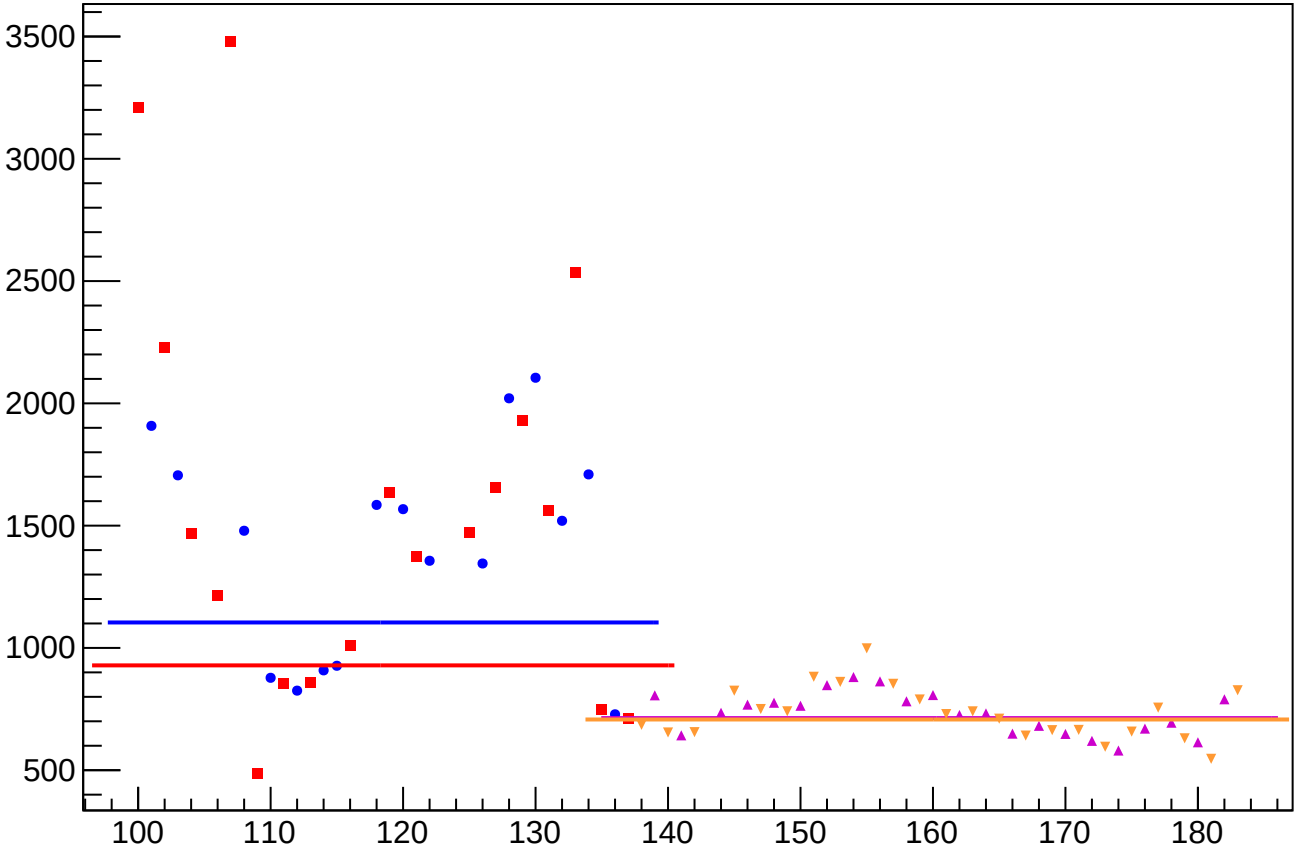
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 129.572+/-158.245 χ^2/NDF:45.8/37

Out: -428.085+/-154.089 χ^2/NDF:88.3/40

All: -156.674+/-110.398 χ^2/NDF: 140.4/78

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: 707.376+/-0.118 χ^2/NDF:692018.5/22

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 713.083+/-0.120 χ^2/NDF:491089.1/21

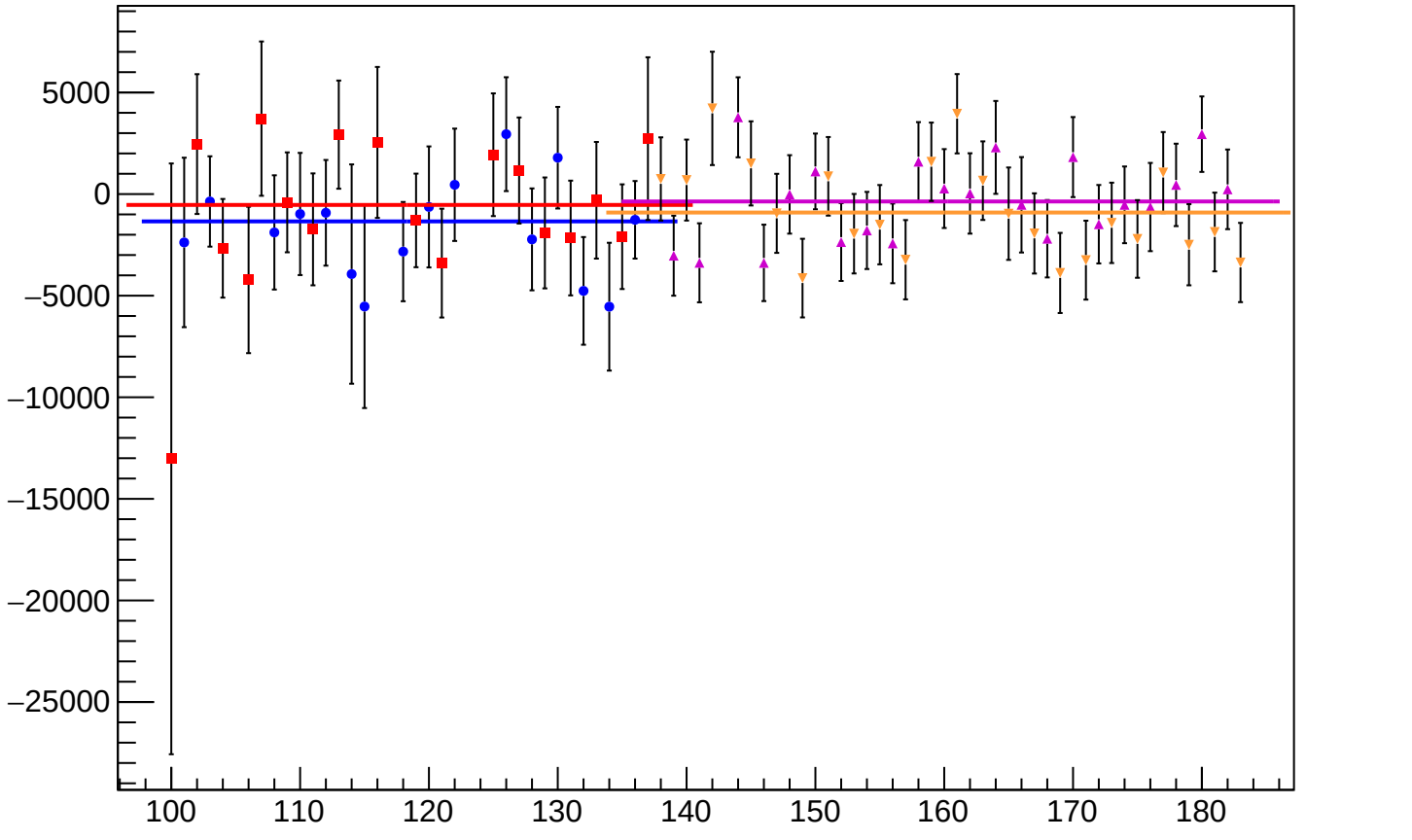
Left: 710.194+/-0.084 χ^2/NDF: 1184256.2/44

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 763.089+/-0.112 χ^2/NDF:3747526.6/37

Out: 741.077+/-0.109 χ^2/NDF:4278820.3/40

All: 751.790+/-0.078 χ^2/NDF: 8046210.8/78



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -907.990+/-416.358 χ^2/NDF:28.0/22

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -363.467+/-419.822 χ^2/NDF:23.1/21

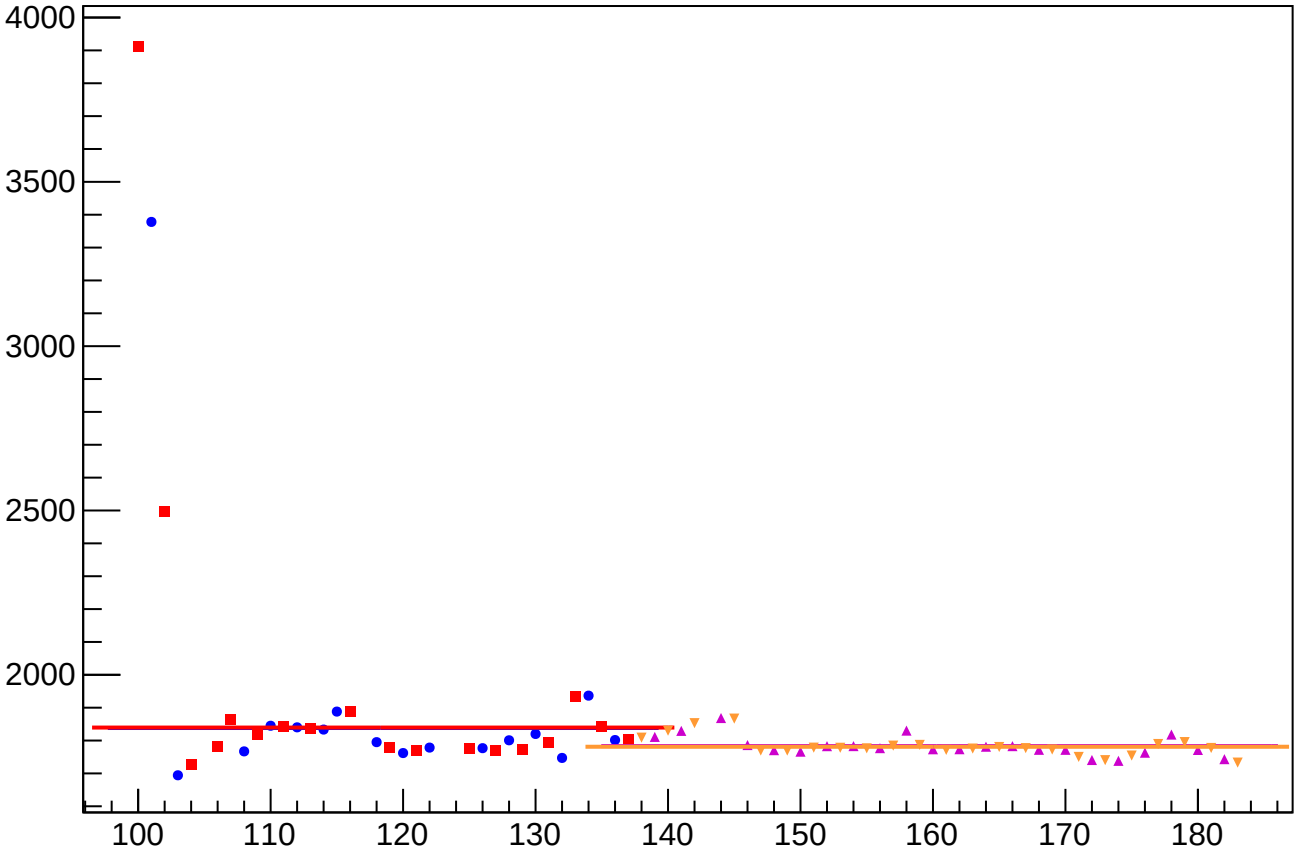
Left: -637.984+/-295.626 χ^2/NDF: 52.0/44

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -627.846+/-358.784 χ^2/NDF:34.2/37

Out: -808.421+/-356.619 χ^2/NDF:39.3/40

All: -718.680+/-252.930 χ^2/NDF: 73.6/78



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1781.144+/-0.294 χ^2/NDF:9722.9/22

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: 1782.146+/-0.209 χ^2/NDF: 20482.5/44

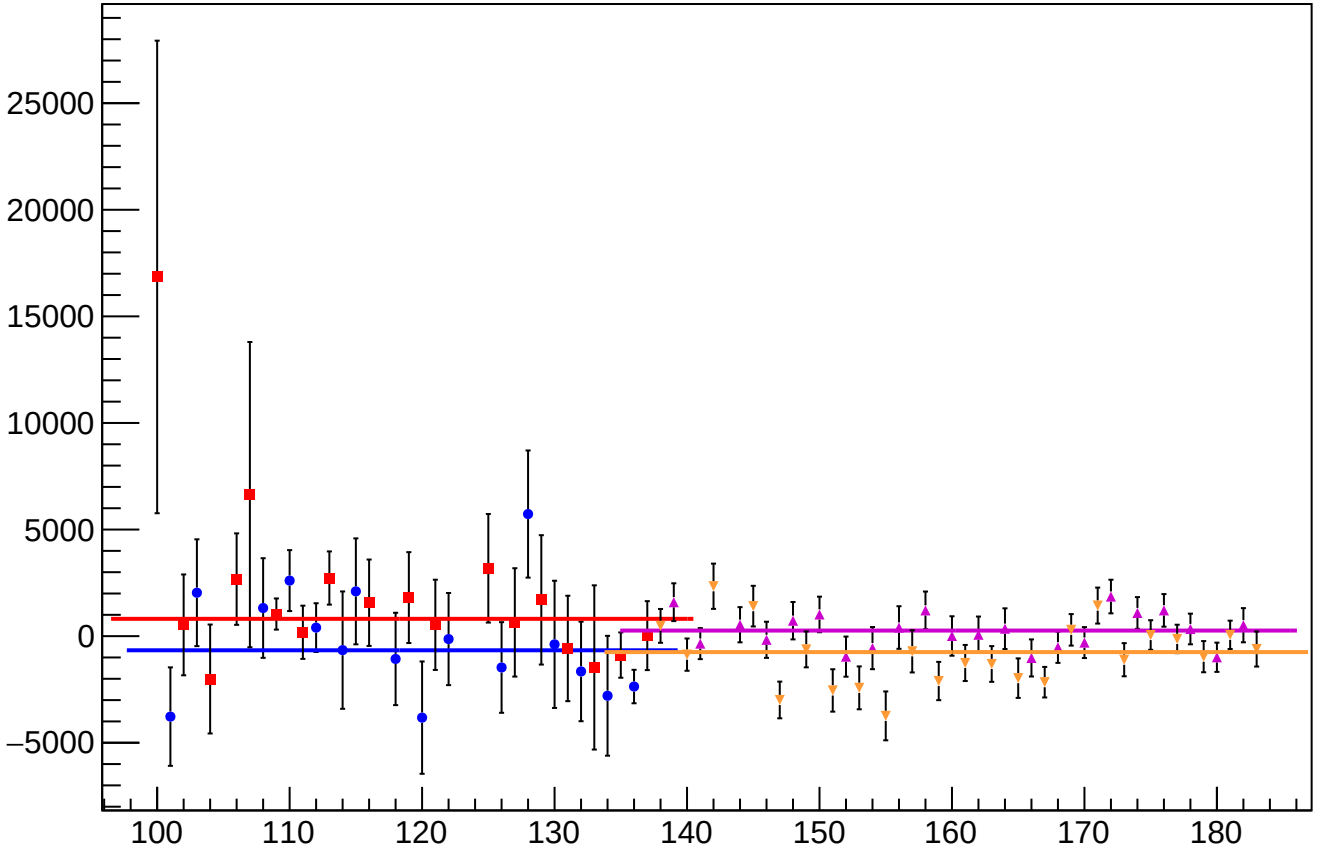
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1797.993+/-0.254 χ^2/NDF:311974.2/37

Out: 1796.693+/-0.252 χ^2/NDF:148448.0/40

All: 1797.339+/-0.179 χ^2/NDF: 460435.4/78

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -747.647+/-171.849 χ^2/NDF:57.1/22

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: -251.871+/-122.616 χ^2/NDF: 96.4/44

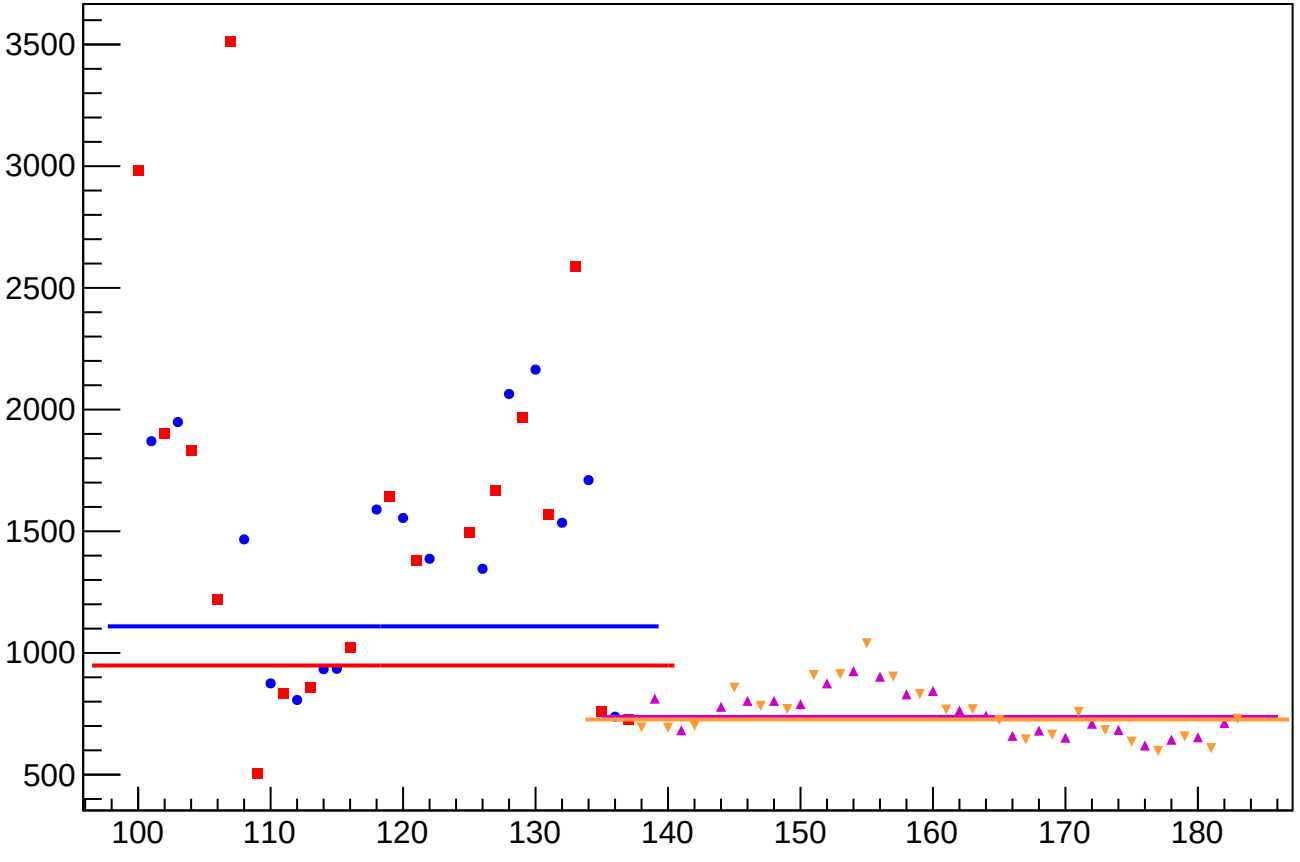
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 138.707+/-162.906 χ^2/NDF:48.8/37

Out: -501.689+/-157.720 χ^2/NDF:82.3/40

All: -191.847+/-113.314 χ^2/NDF: 139.1/78

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 726.676+/-0.122 χ^2/NDF:684760.3/22

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 737.236+/-0.124 χ^2/NDF:464026.2/21

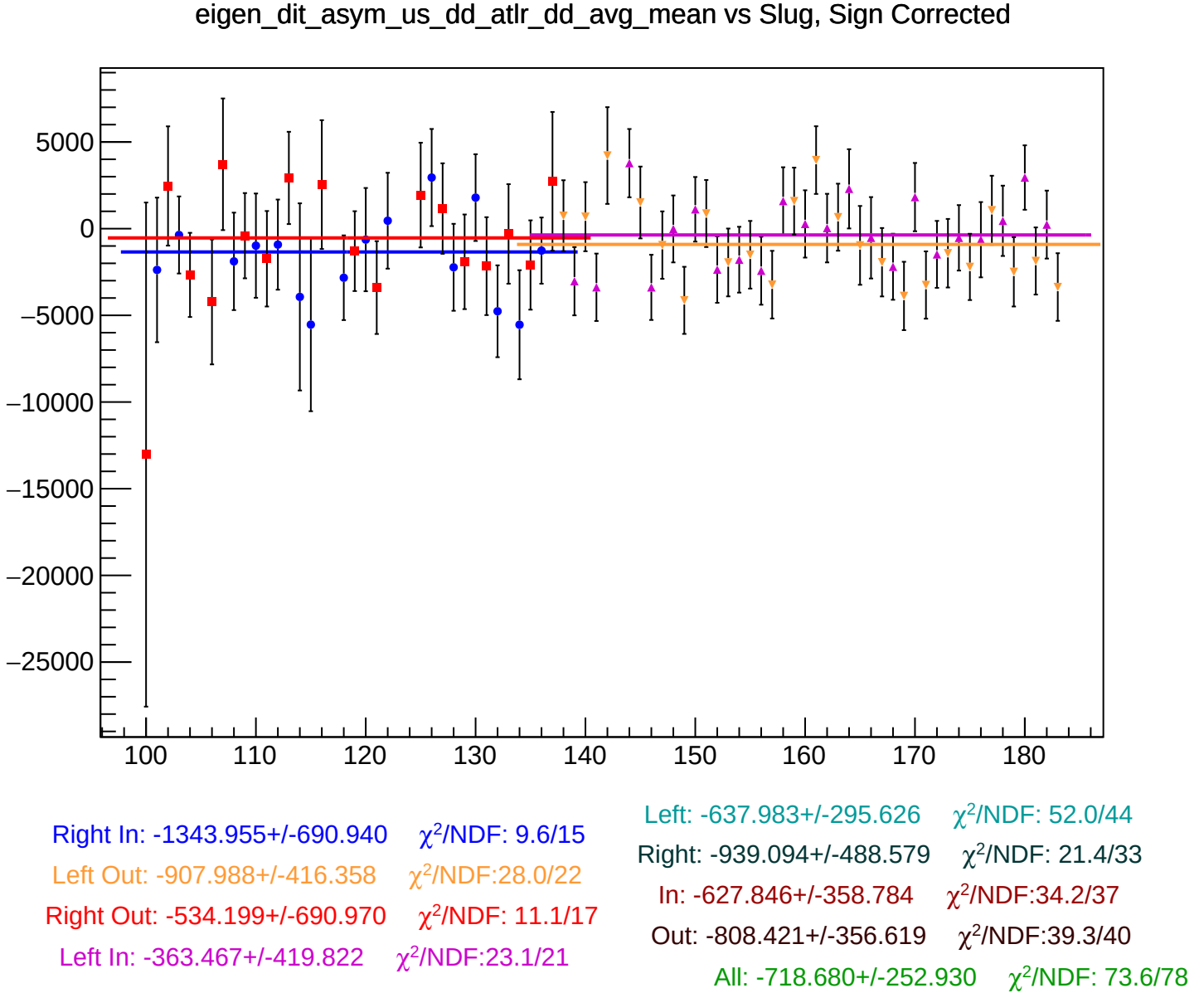
Left: 731.860+/-0.087 χ^2/NDF: 1152494.1/44

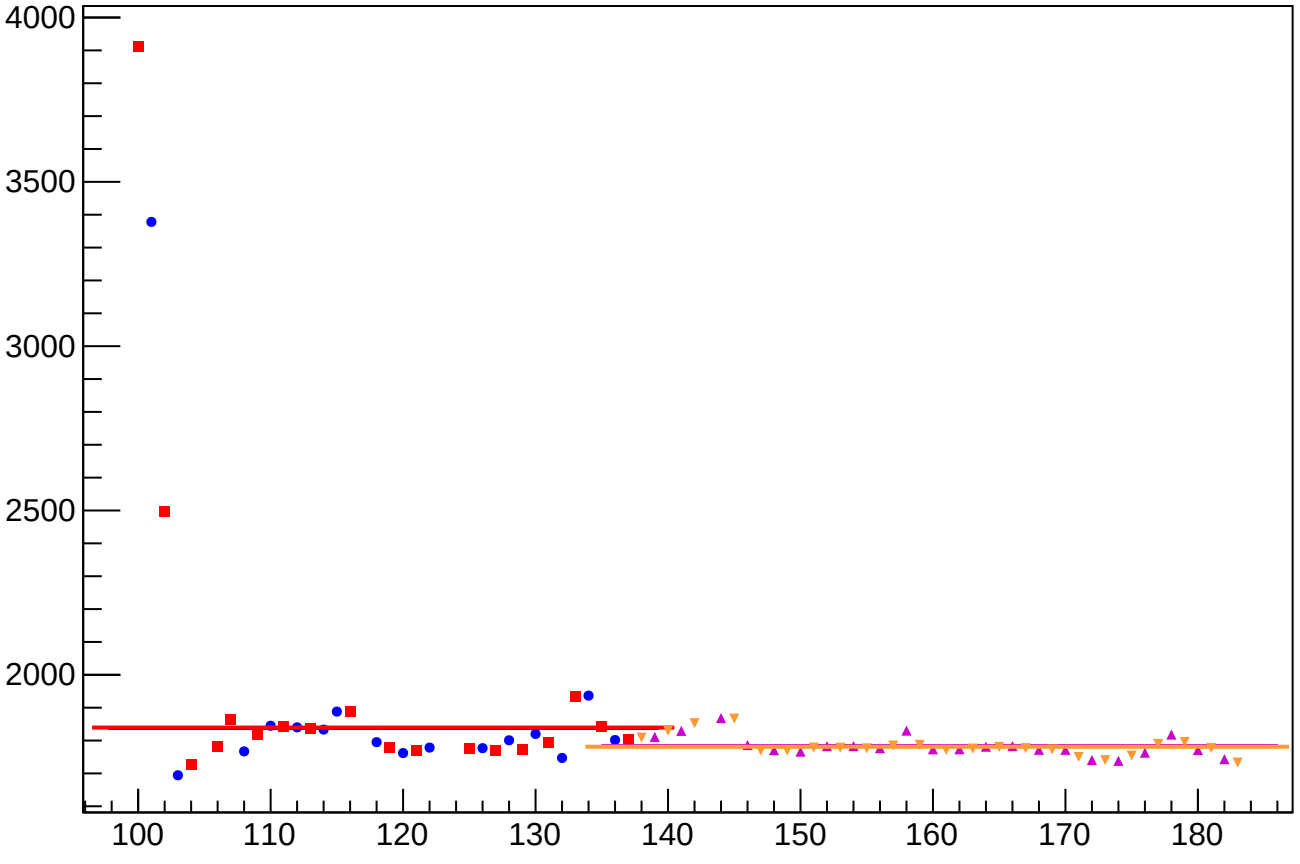
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 786.905+/-0.115 χ^2/NDF:3644397.8/37

Out: 761.644+/-0.112 χ^2/NDF:4263592.2/40

All: 773.866+/-0.080 χ^2/NDF: 7932813.0/78


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -907.988+/-416.358 χ²/NDF:28.0/22
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -363.467+/-419.822 χ²/NDF:23.1/21
Left: -637.983+/-295.626 χ²/NDF: 52.0/44
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -627.846+/-358.784 χ²/NDF:34.2/37
Out: -808.421+/-356.619 χ²/NDF:39.3/40
All: -718.680+/-252.930 χ²/NDF: 73.6/78



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1781.144+/-0.294 χ^2/NDF:9722.9/22

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: 1782.146+/-0.209 χ^2/NDF: 20482.5/44

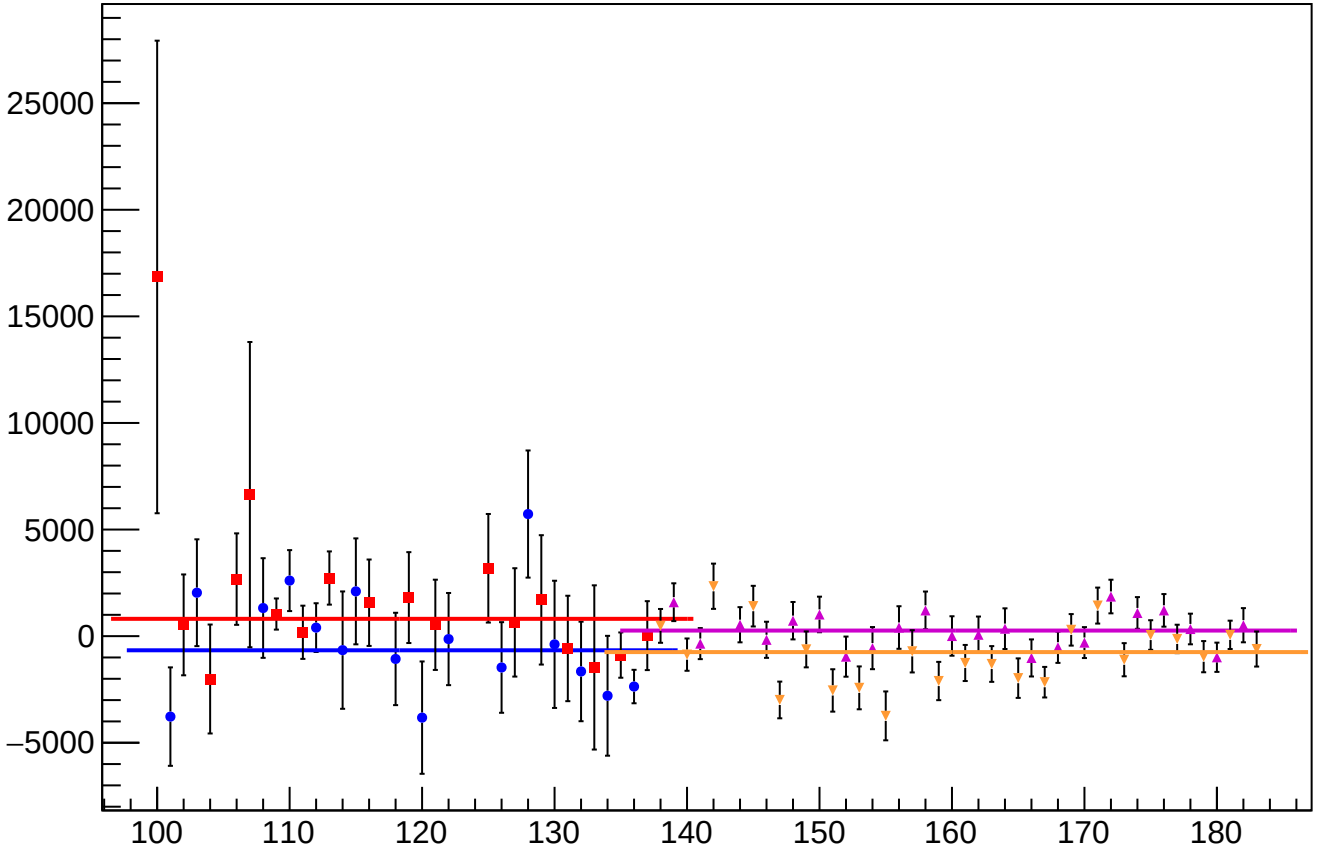
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1797.993+/-0.254 χ^2/NDF:311974.2/37

Out: 1796.693+/-0.252 χ^2/NDF:148448.1/40

All: 1797.339+/-0.179 χ^2/NDF: 460435.6/78

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: -747.648+/-171.849 χ^2/NDF:57.1/22

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: -251.872+/-122.616 χ^2/NDF: 96.4/44

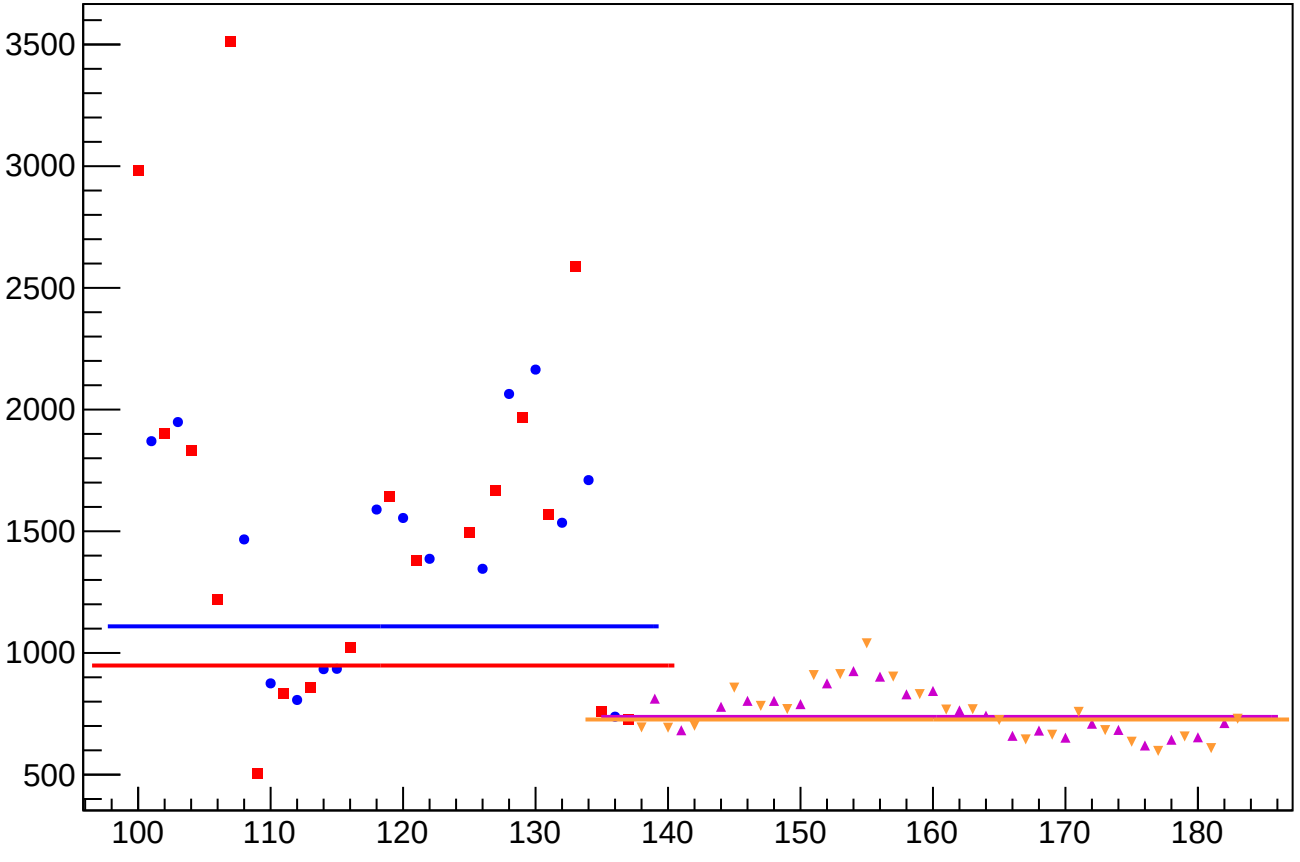
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 138.707+/-162.906 χ^2/NDF:48.8/37

Out: -501.690+/-157.720 χ^2/NDF:82.3/40

All: -191.847+/-113.314 χ^2/NDF: 139.1/78

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: 726.676+/-0.122 χ^2/NDF:684756.4/22

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 737.235+/-0.124 χ^2/NDF:464038.1/21

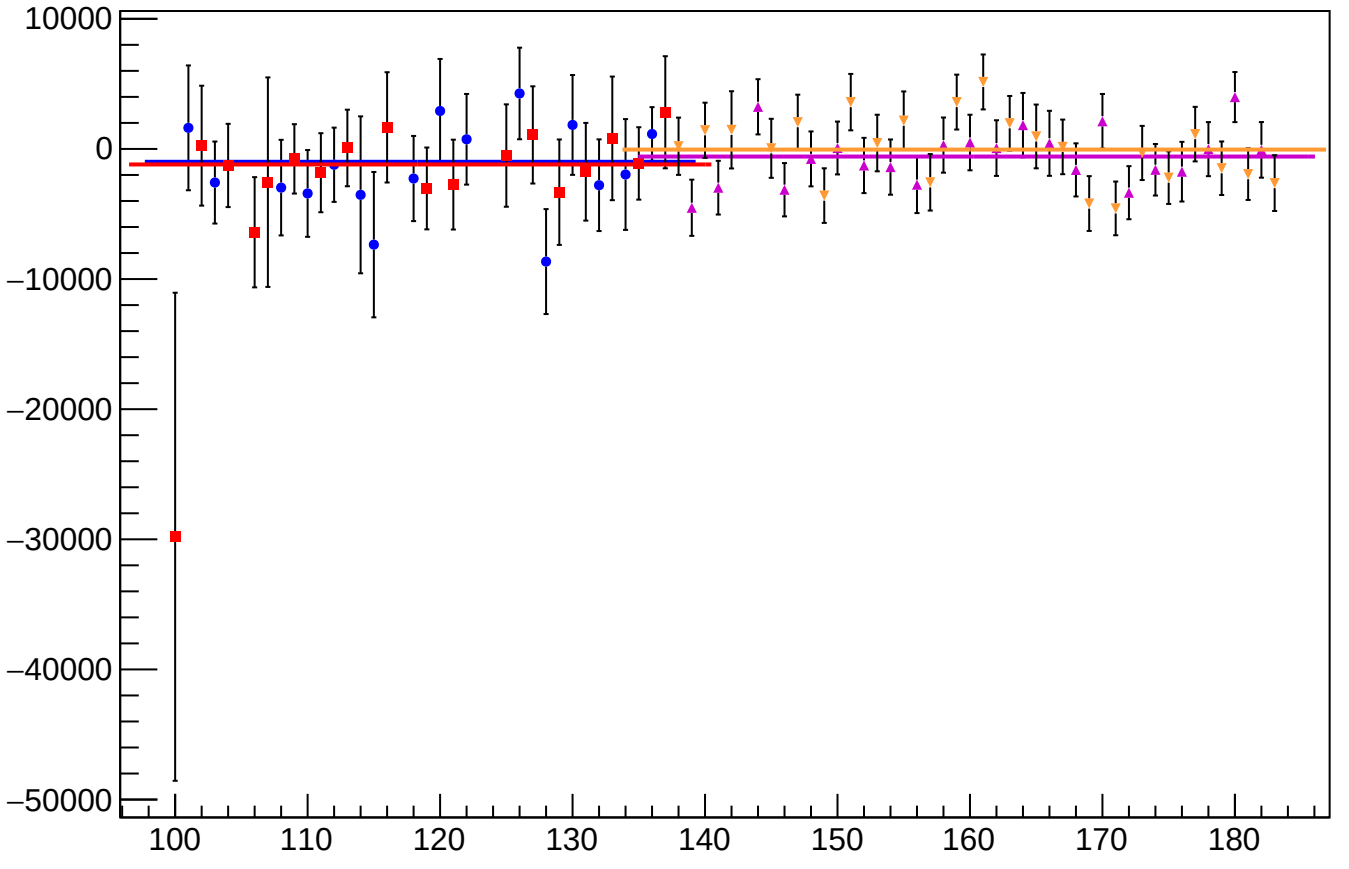
Left: 731.860+/-0.087 χ^2/NDF: 1152501.6/44

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 786.904+/-0.115 χ^2/NDF:3644391.0/37

Out: 761.644+/-0.112 χ^2/NDF:4263571.4/40

All: 773.866+/-0.080 χ^2/NDF: 7932783.9/78



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: -49.310+/-448.827 χ^2/NDF:33.0/22

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -584.425+/-452.321 χ^2/NDF:22.5/21

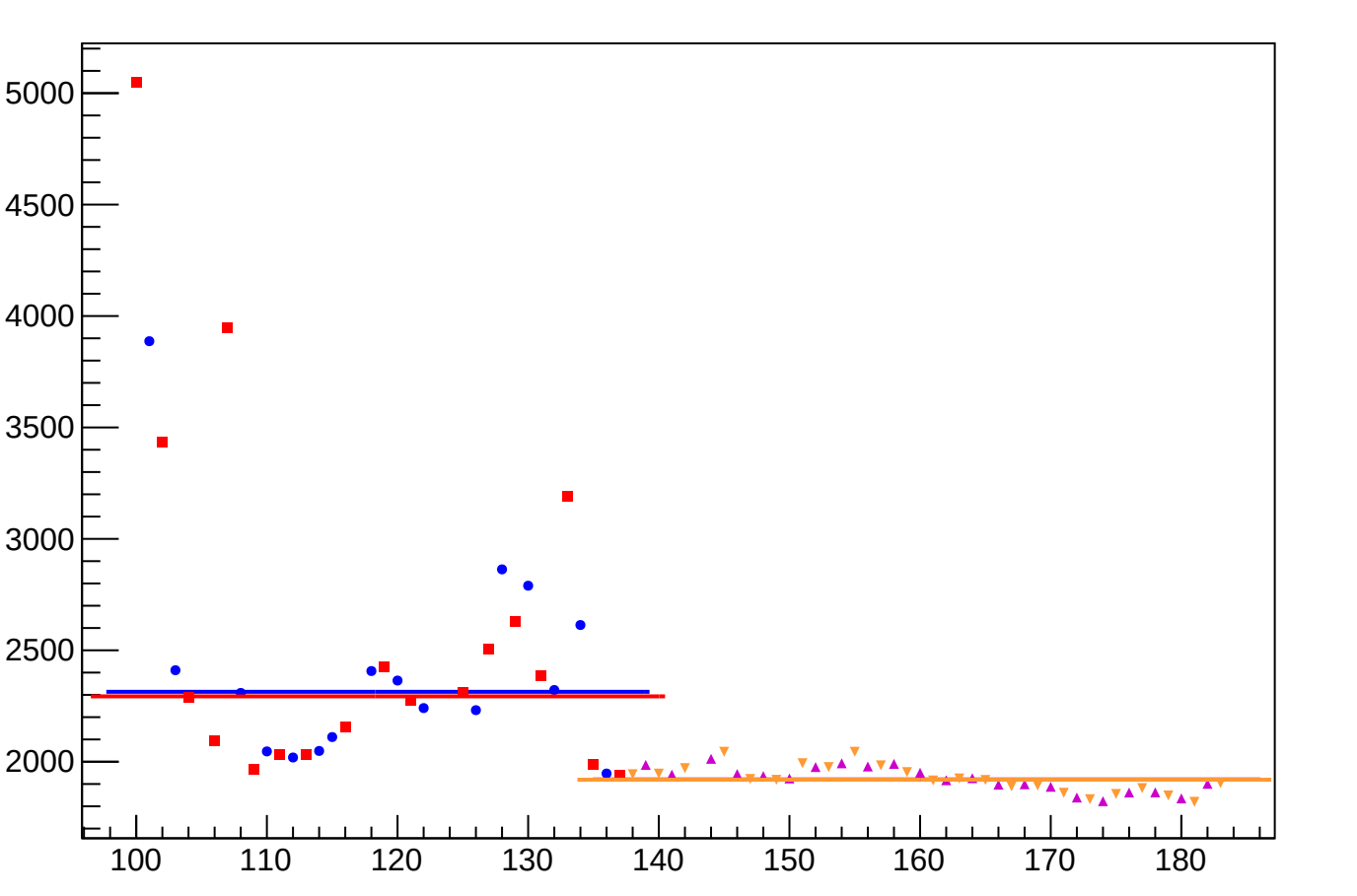
Left: -314.793+/-318.597 χ^2/NDF: 56.2/44

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -669.608+/-401.697 χ^2/NDF:34.7/37

Out: -289.353+/-398.917 χ^2/NDF:41.3/40

All: -478.161+/-283.055 χ^2/NDF: 76.4/78



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1919.306+/-0.317 χ^2/NDF:35498.8/22

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1920.620+/-0.320 χ^2/NDF:29815.5/21

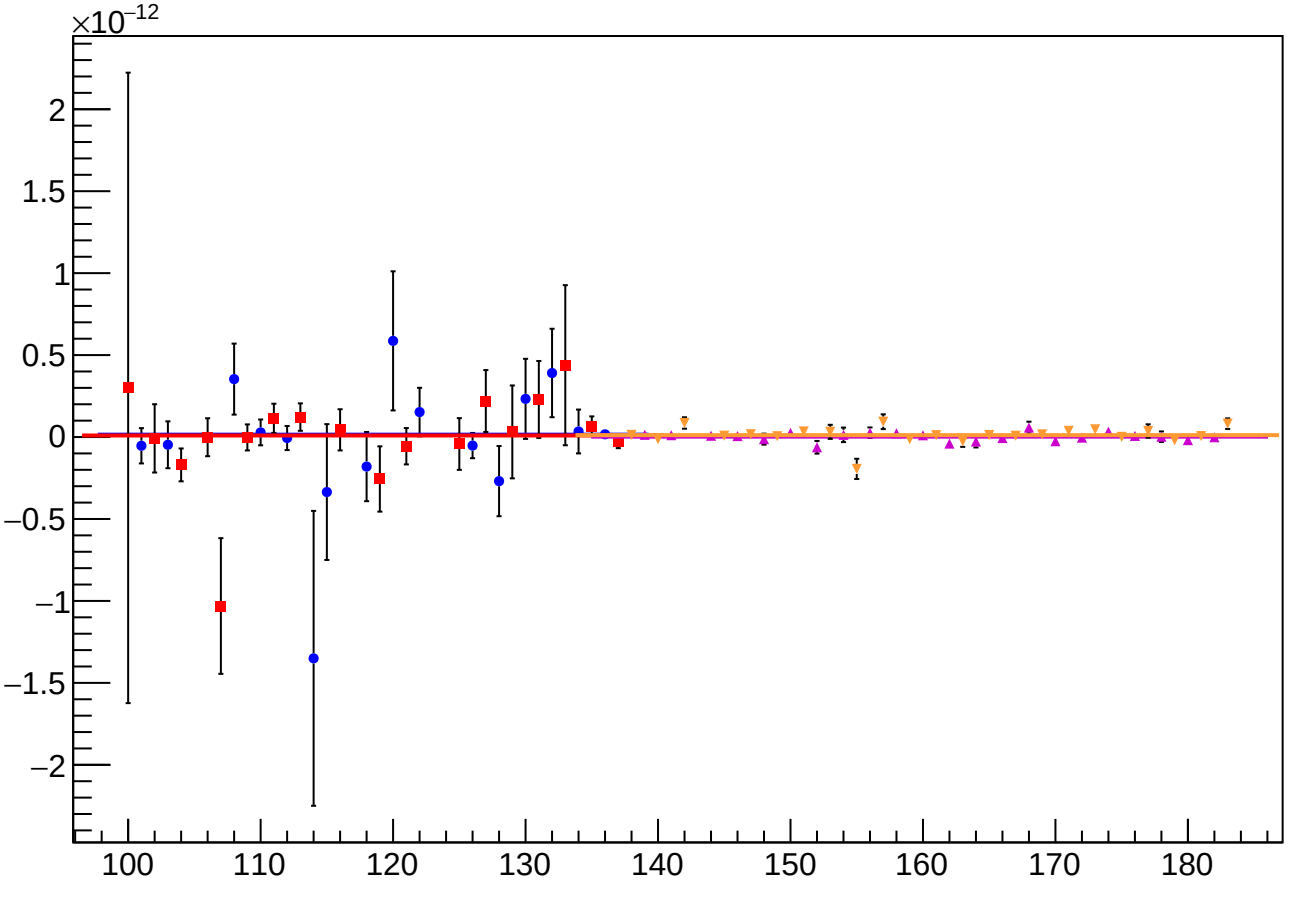
Left: 1919.958+/-0.225 χ^2/NDF: 65322.7/44

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2003.693+/-0.284 χ^2/NDF:751816.0/37

Out: 1997.854+/-0.282 χ^2/NDF:780336.6/40

All: 2000.753+/-0.200 χ^2/NDF: 1532365.3/78



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:17.9/21

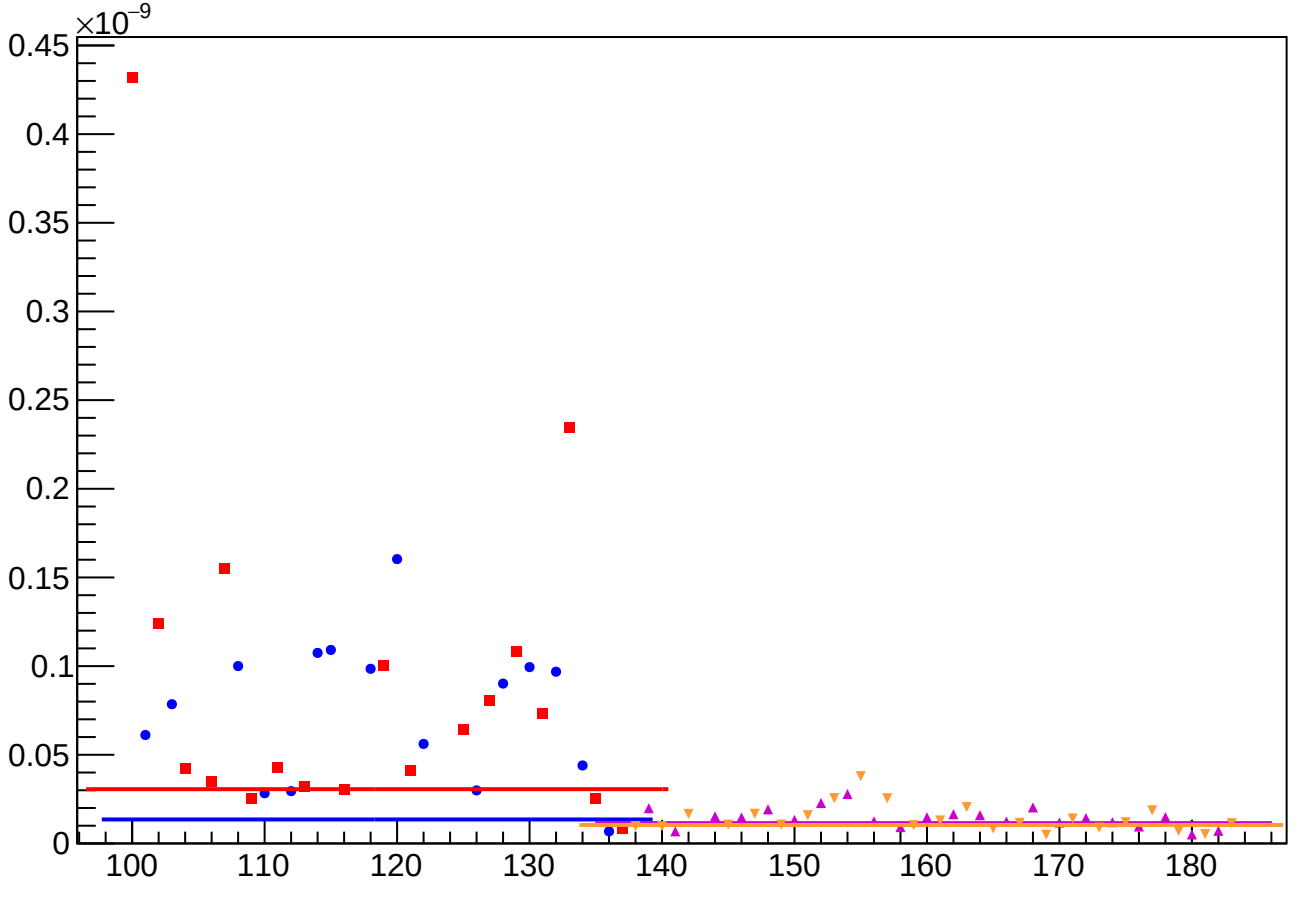
Left: 0.000+/-0.000 χ^2/NDF: 56.5/44

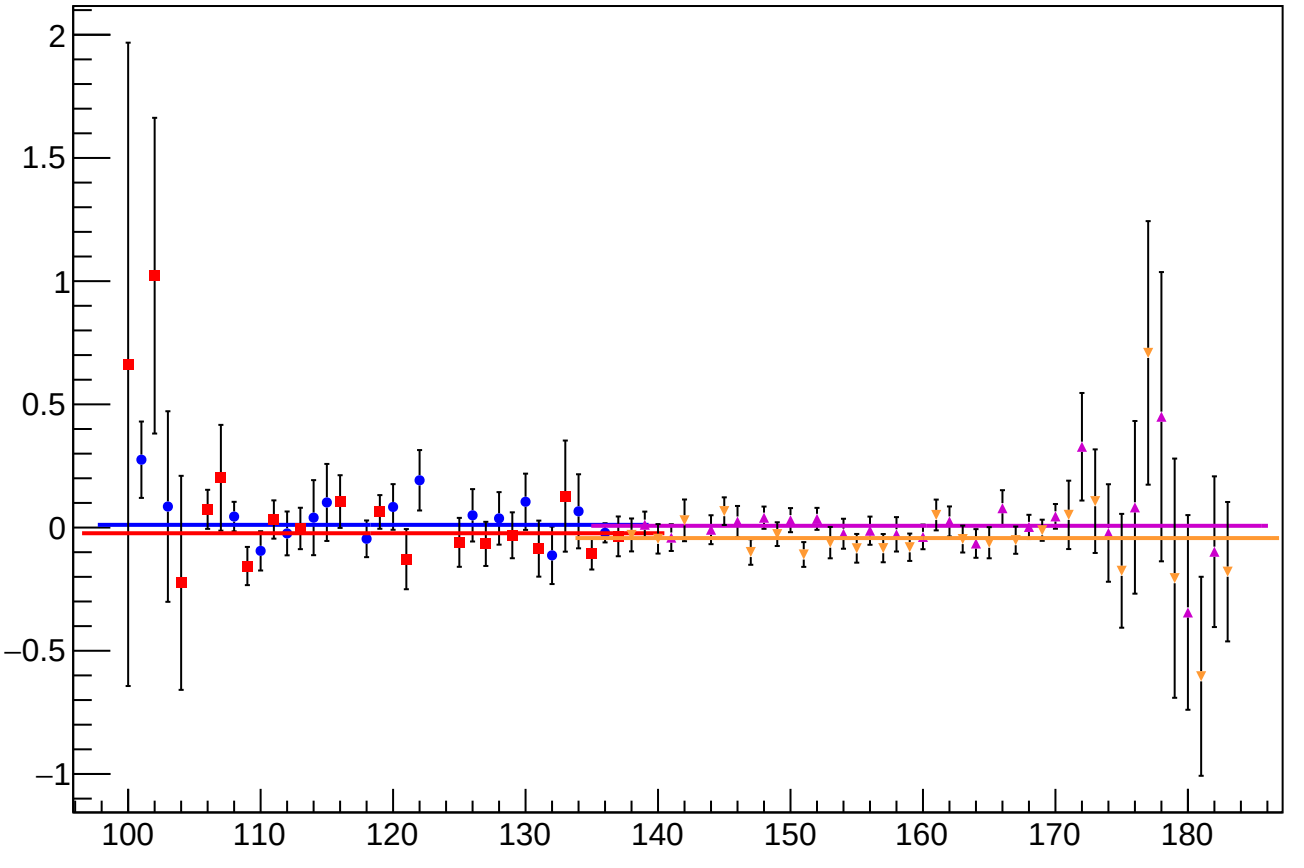
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:33.5/37

Out: 0.000+/-0.000 χ^2/NDF:56.3/40

All: 0.000+/-0.000 χ^2/NDF: 91.2/78


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3416094.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2074312.0/22
Right Out: 0.000+/-0.000 χ²/NDF: 2349183.7/17
Left In: 0.000+/-0.000 χ²/NDF:1894338.5/21
Left: 0.000+/-0.000 χ²/NDF: 4013026.3/44
Right: 0.000+/-0.000 χ²/NDF: 6517274.2/33
In: 0.000+/-0.000 χ²/NDF:5349032.6/37
Out: 0.000+/-0.000 χ²/NDF:5775205.2/40
All: 0.000+/-0.000 χ²/NDF: 11136792.0/78



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:17.6/22

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.007+/-0.014 χ^2/NDF:10.4/21

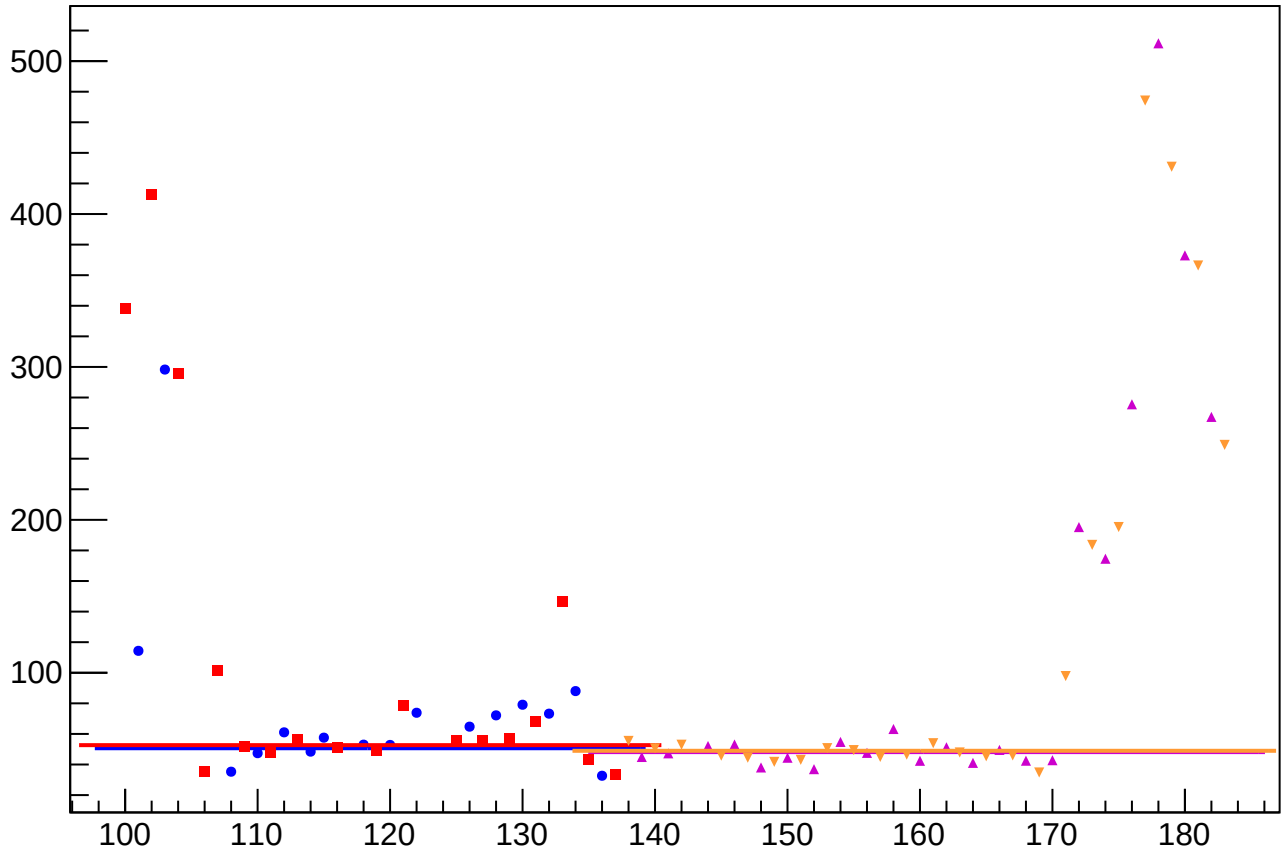
Left: -0.017+/-0.010 χ^2/NDF: 34.6/44

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:34.1/40

All: -0.014+/-0.008 χ^2/NDF: 63.9/78



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.974+/-0.010 χ^2/NDF:6988599.8/22

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: 48.532+/-0.007 χ^2/NDF: 13680346.9/44

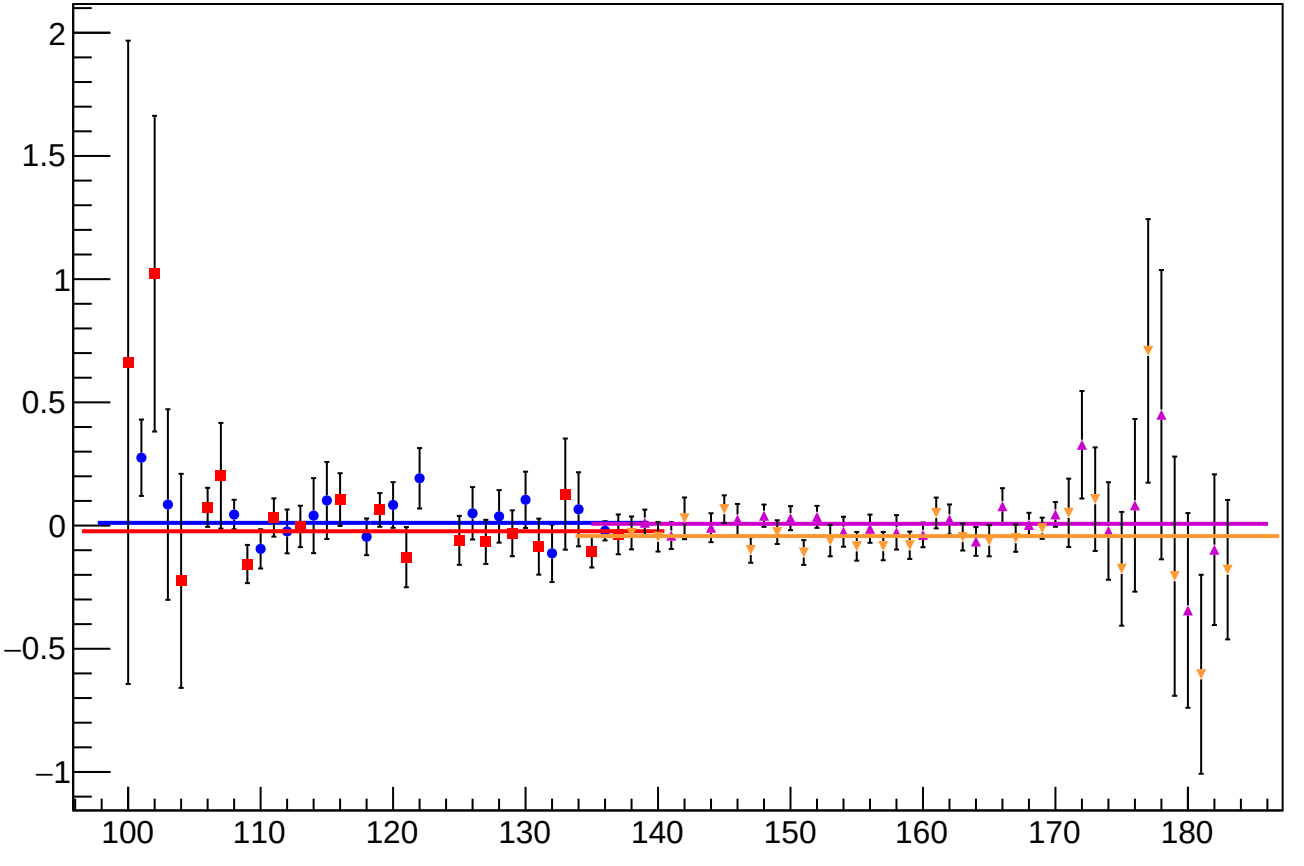
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.814+/-0.008 χ^2/NDF:8973643.9/37

Out: 49.956+/-0.008 χ^2/NDF:9237998.8/40

All: 49.365+/-0.006 χ^2/NDF: 18221145.2/78

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: -0.043+/-0.014 χ^2/NDF:17.6/22

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: 34.6/44

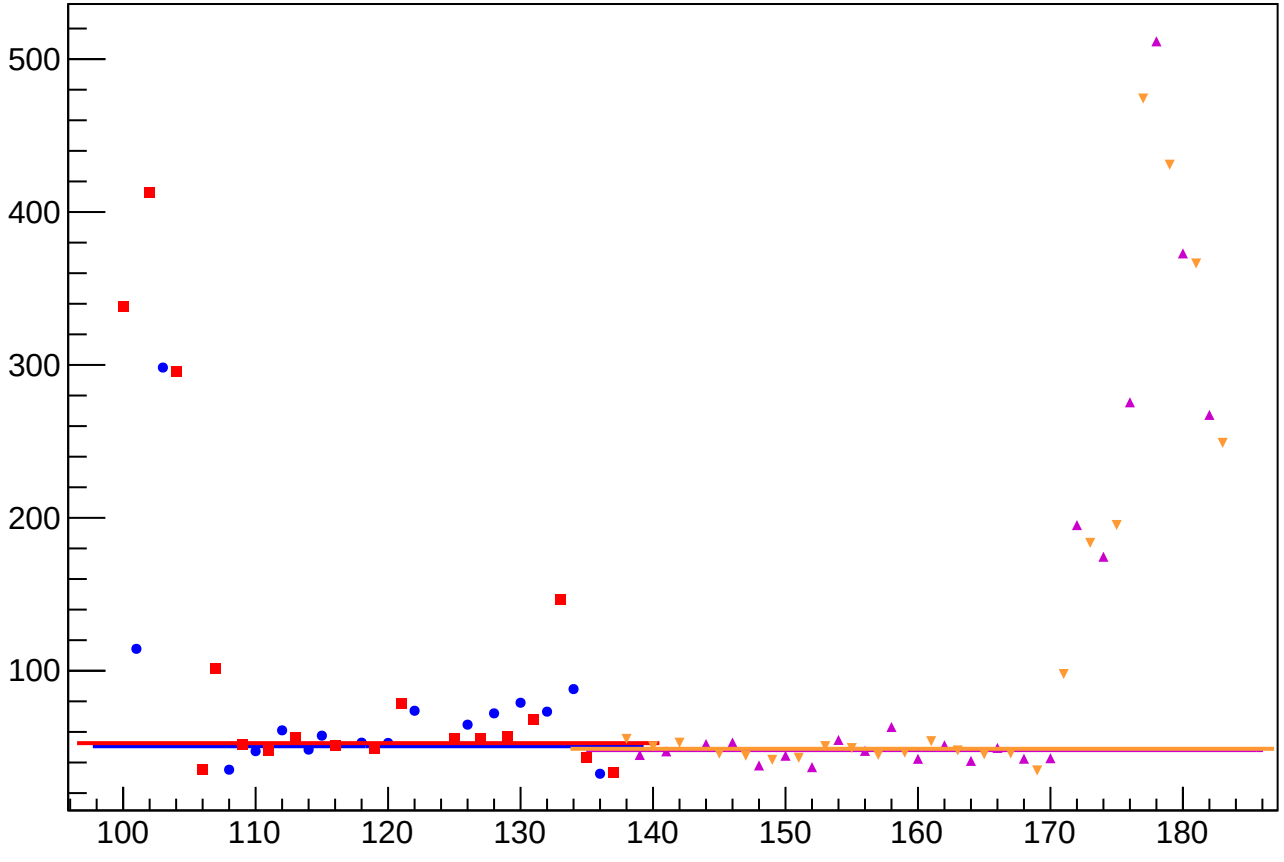
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:22.2/37

Out: -0.037+/-0.012 χ^2/NDF:34.1/40

All: -0.014+/-0.008 χ^2/NDF: 63.9/78

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: 48.974+/-0.010 χ^2/NDF:6988599.8/22

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.114+/-0.010 χ^2/NDF:6687818.6/21

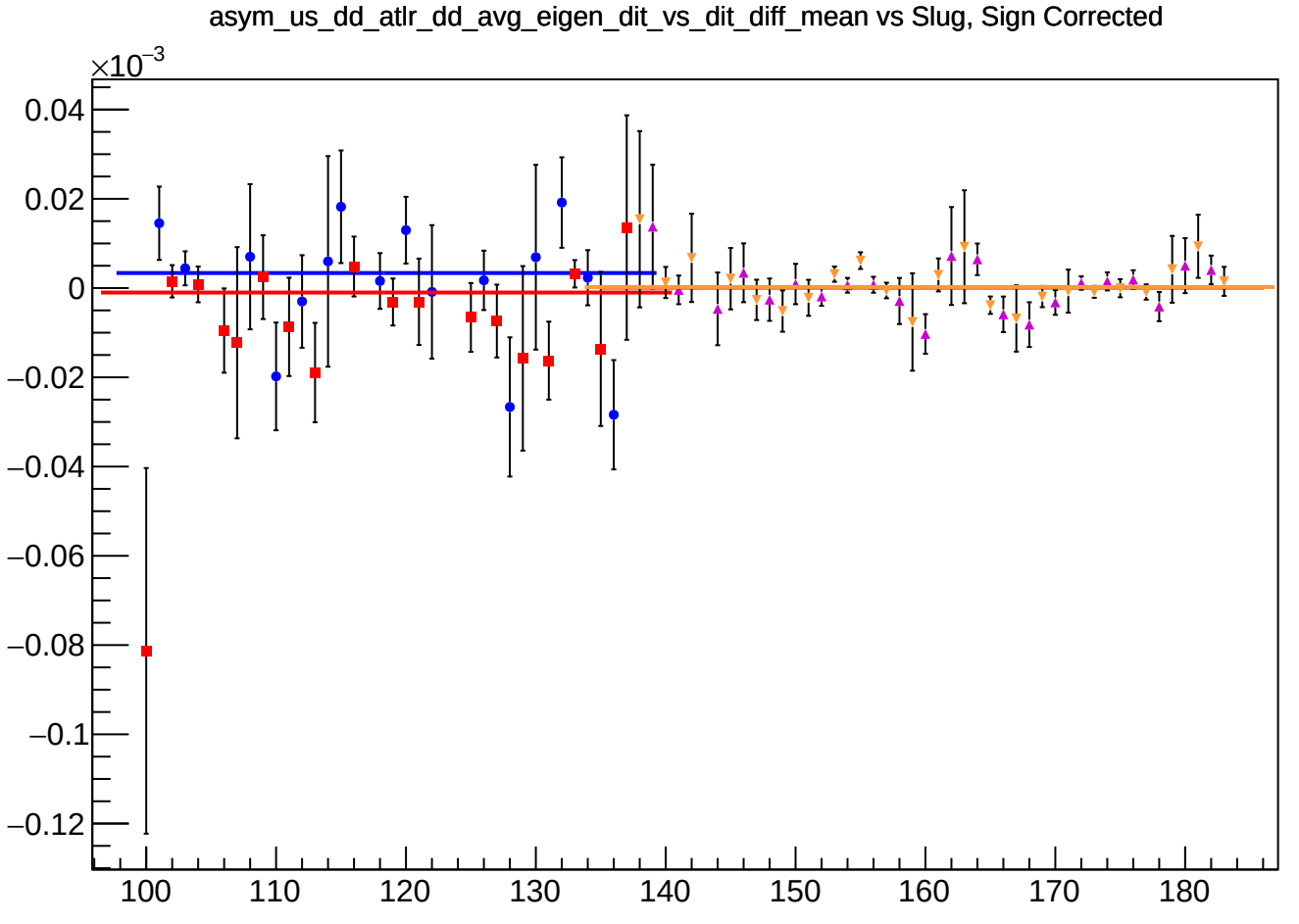
Left: 48.532+/-0.007 χ^2/NDF: 13680346.9/44

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.814+/-0.008 χ^2/NDF:8973643.9/37

Out: 49.956+/-0.008 χ^2/NDF:9237998.8/40

All: 49.365+/-0.006 χ^2/NDF: 18221145.2/78



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/22

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:24.5/21

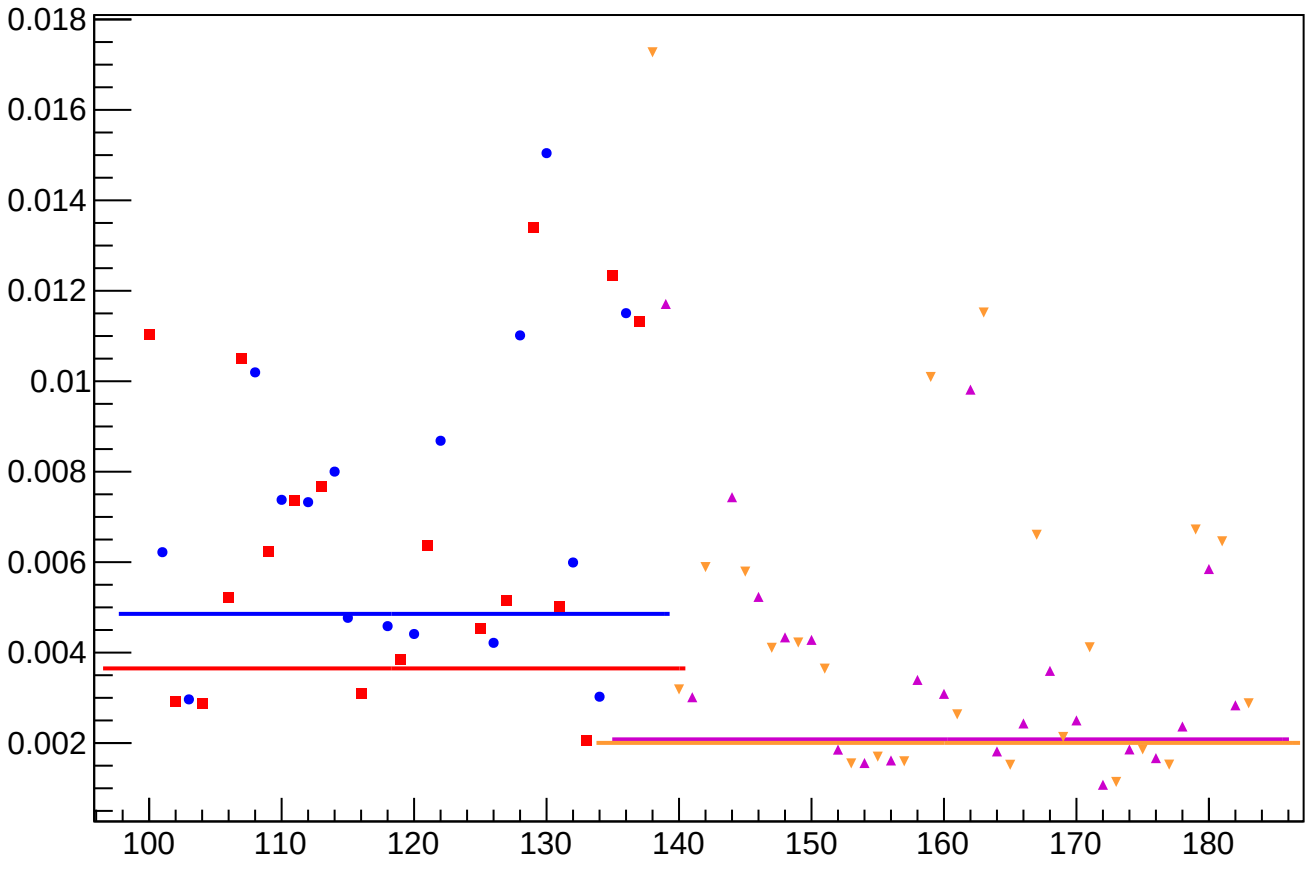
Left: 0.000+/-0.000 χ^2/NDF: 51.7/44

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

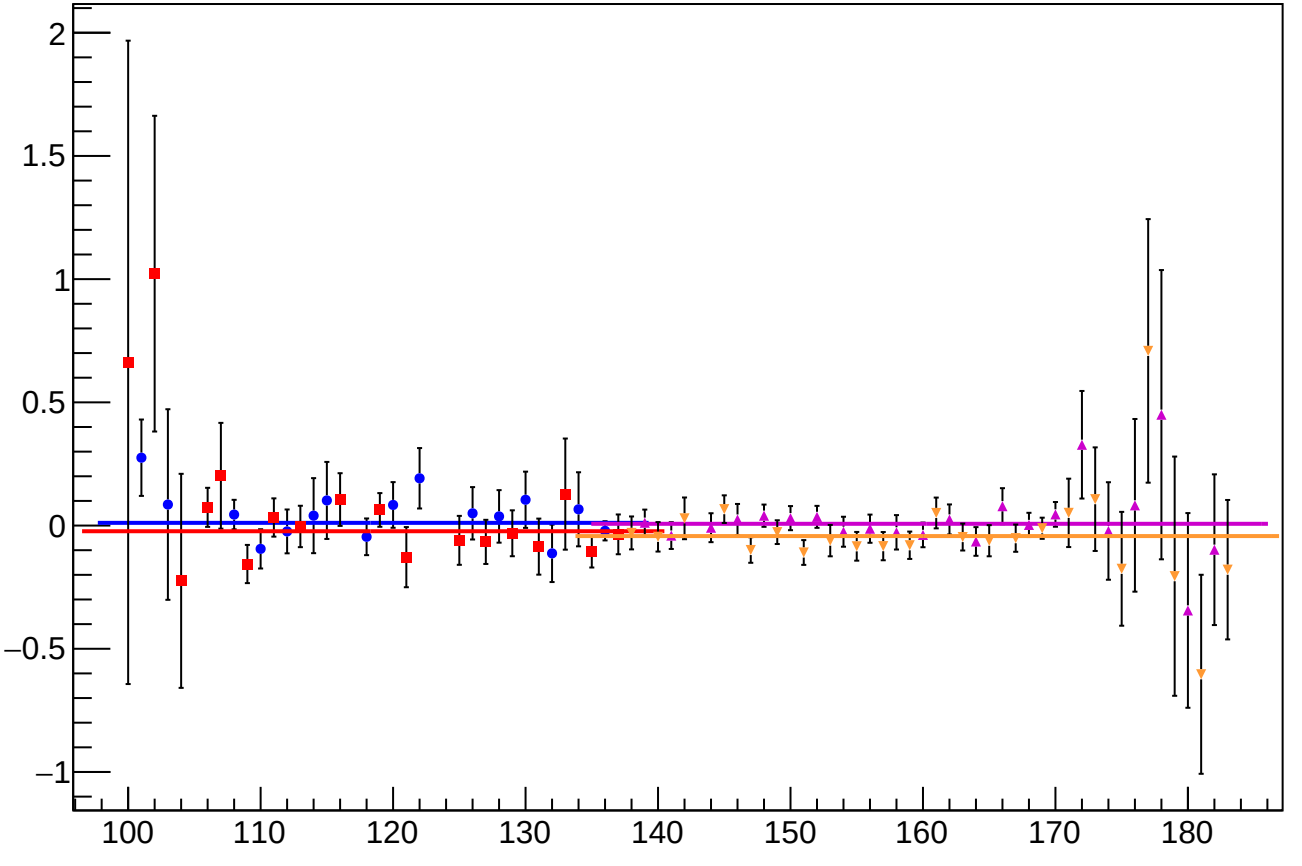
In: 0.000+/-0.000 χ^2/NDF:48.9/37

Out: 0.000+/-0.000 χ^2/NDF:45.0/40

All: 0.000+/-0.000 χ^2/NDF: 94.1/78


asym_us_dd_atlr_dd_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: 0.005+/-0.000 χ²/NDF: 2745089.6/15
Left Out: 0.002+/-0.000 χ²/NDF:10180494.8/22
Right Out: 0.004+/-0.000 χ²/NDF: 3108848.8/17
Left In: 0.002+/-0.000 χ²/NDF:7081187.9/21
Left: 0.002+/-0.000 χ²/NDF: 17279053.6/44
Right: 0.004+/-0.000 χ²/NDF: 6282872.0/33
In: 0.002+/-0.000 χ²/NDF:13103209.9/37
Out: 0.002+/-0.000 χ²/NDF:15241793.4/40
All: 0.002+/-0.000 χ²/NDF: 28381410.2/78

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: -0.043+/-0.014 χ^2/NDF:17.6/22

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: 34.6/44

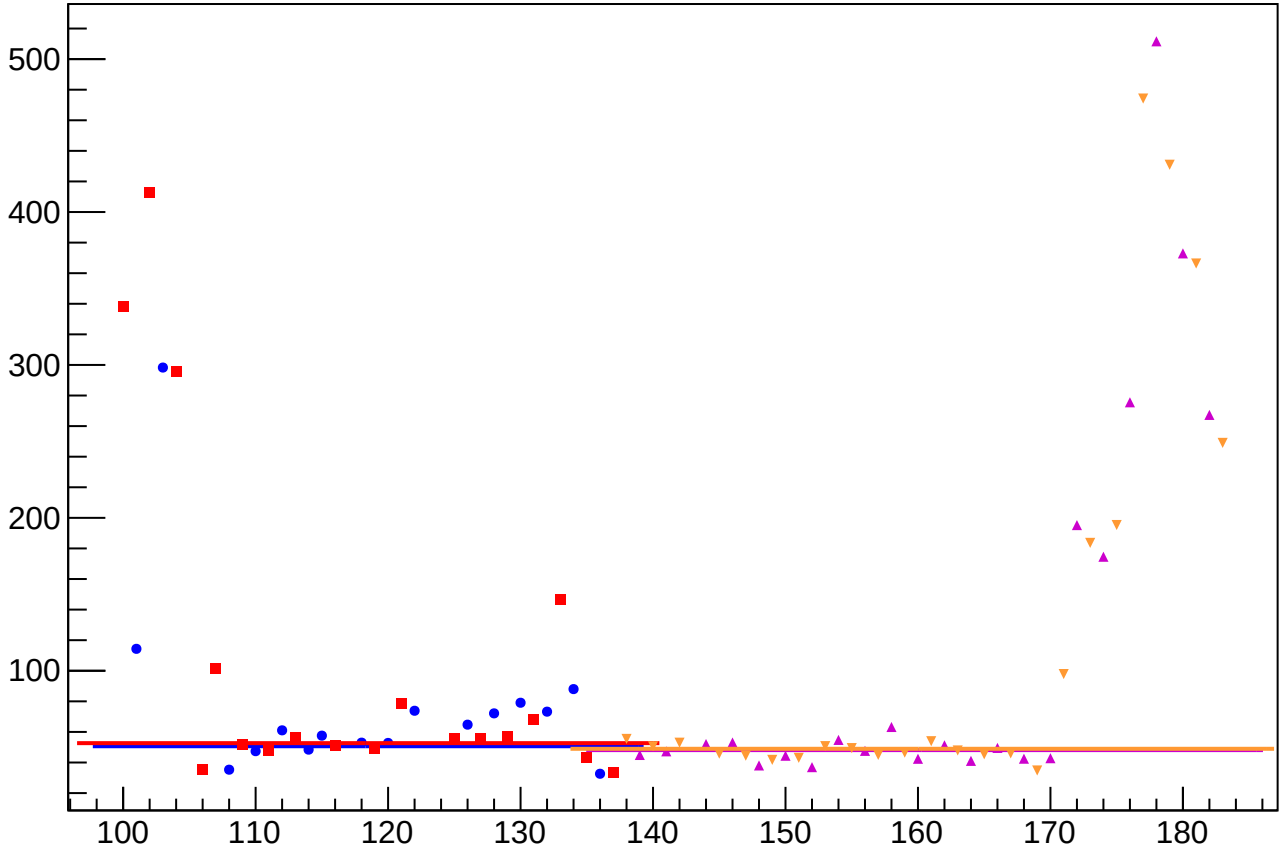
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:22.2/37

Out: -0.037+/-0.012 χ^2/NDF:34.1/40

All: -0.014+/-0.008 χ^2/NDF: 63.9/78

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: 48.973+/-0.010 χ^2/NDF:6988612.2/22

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: 48.532+/-0.007 χ^2/NDF: 13680279.1/44

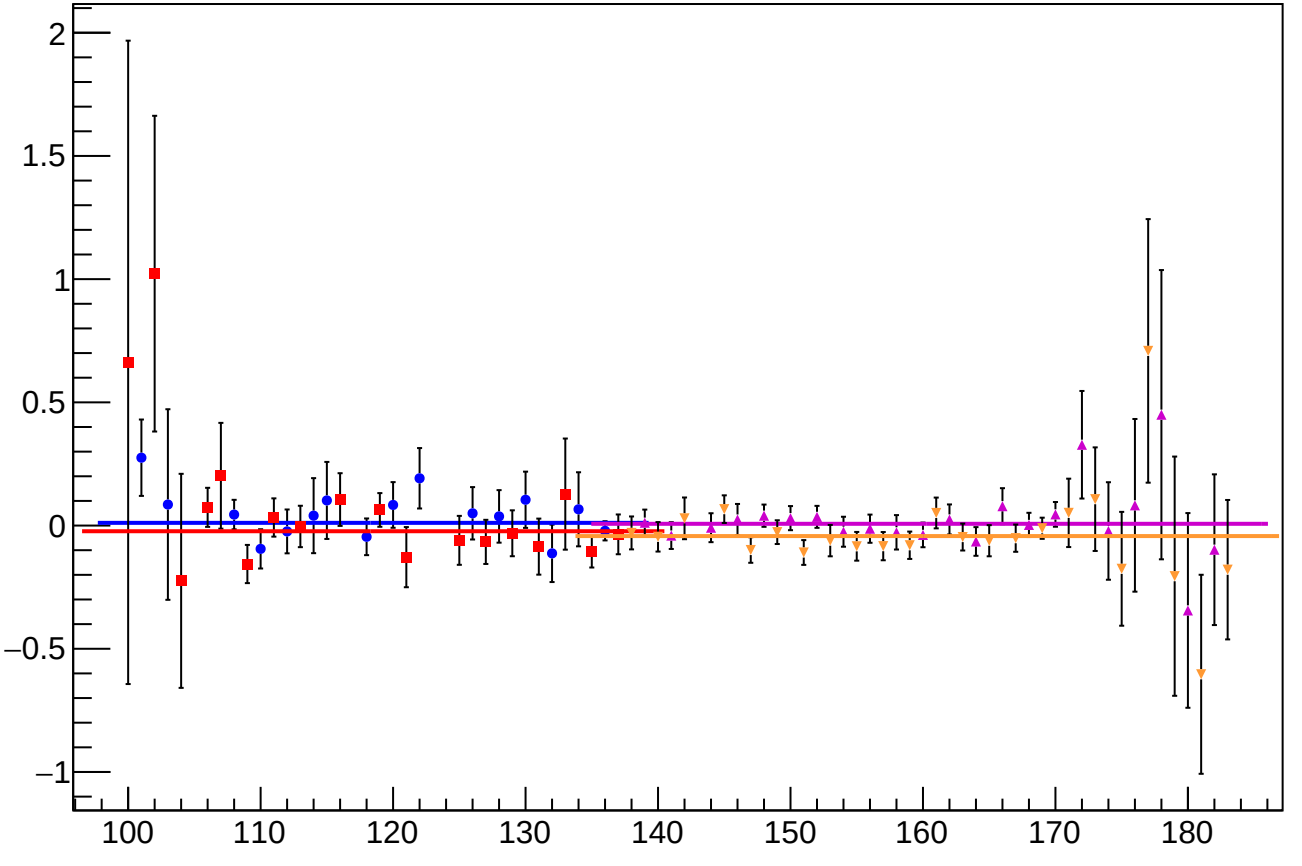
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.815+/-0.008 χ^2/NDF:8973475.0/37

Out: 49.956+/-0.008 χ^2/NDF:9237918.0/40

All: 49.365+/-0.006 χ^2/NDF: 18220889.2/78

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: -0.043+/-0.014 χ^2/NDF:17.6/22

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: 34.6/44

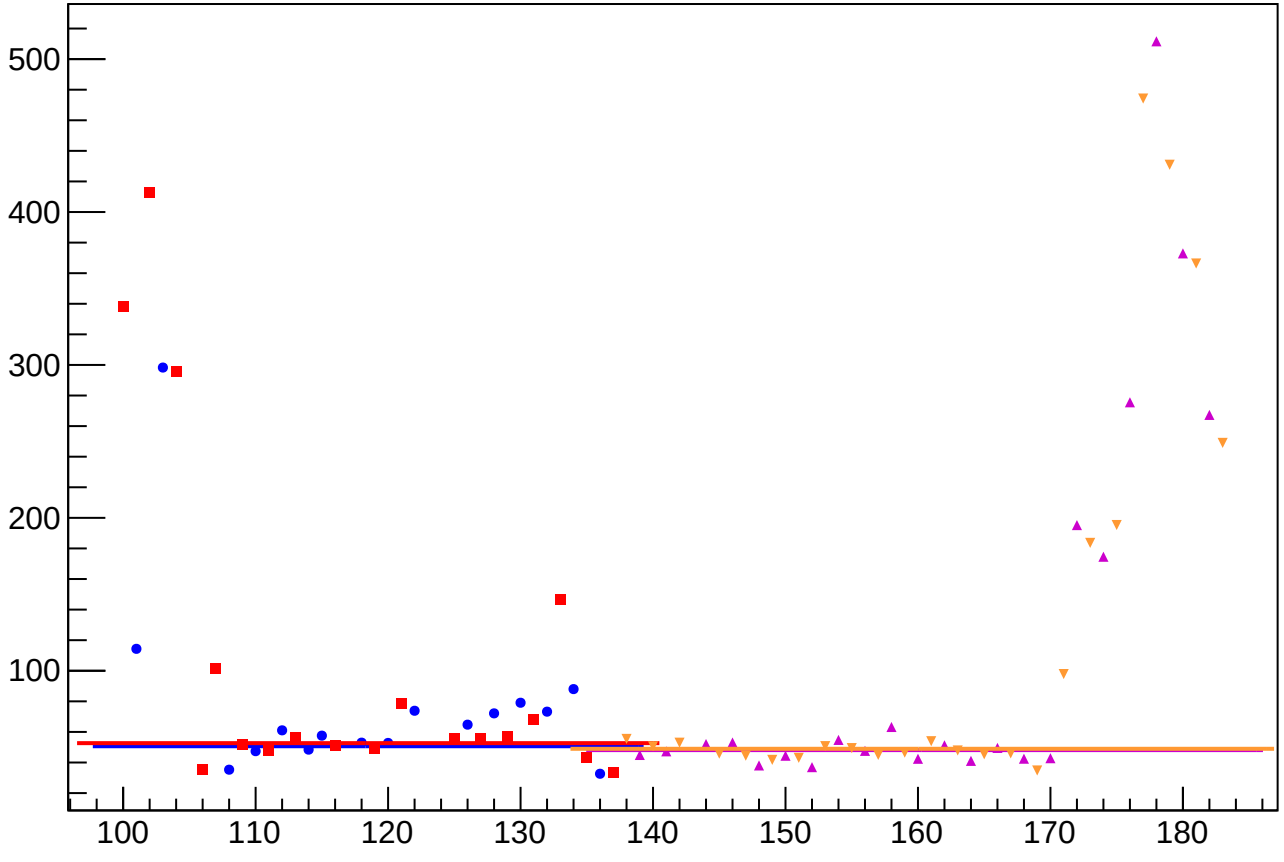
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:22.2/37

Out: -0.037+/-0.012 χ^2/NDF:34.1/40

All: -0.014+/-0.008 χ^2/NDF: 63.9/78

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.973+/-0.010 χ^2/NDF:6988612.2/22

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 48.114+/-0.010 χ^2/NDF:6687744.1/21

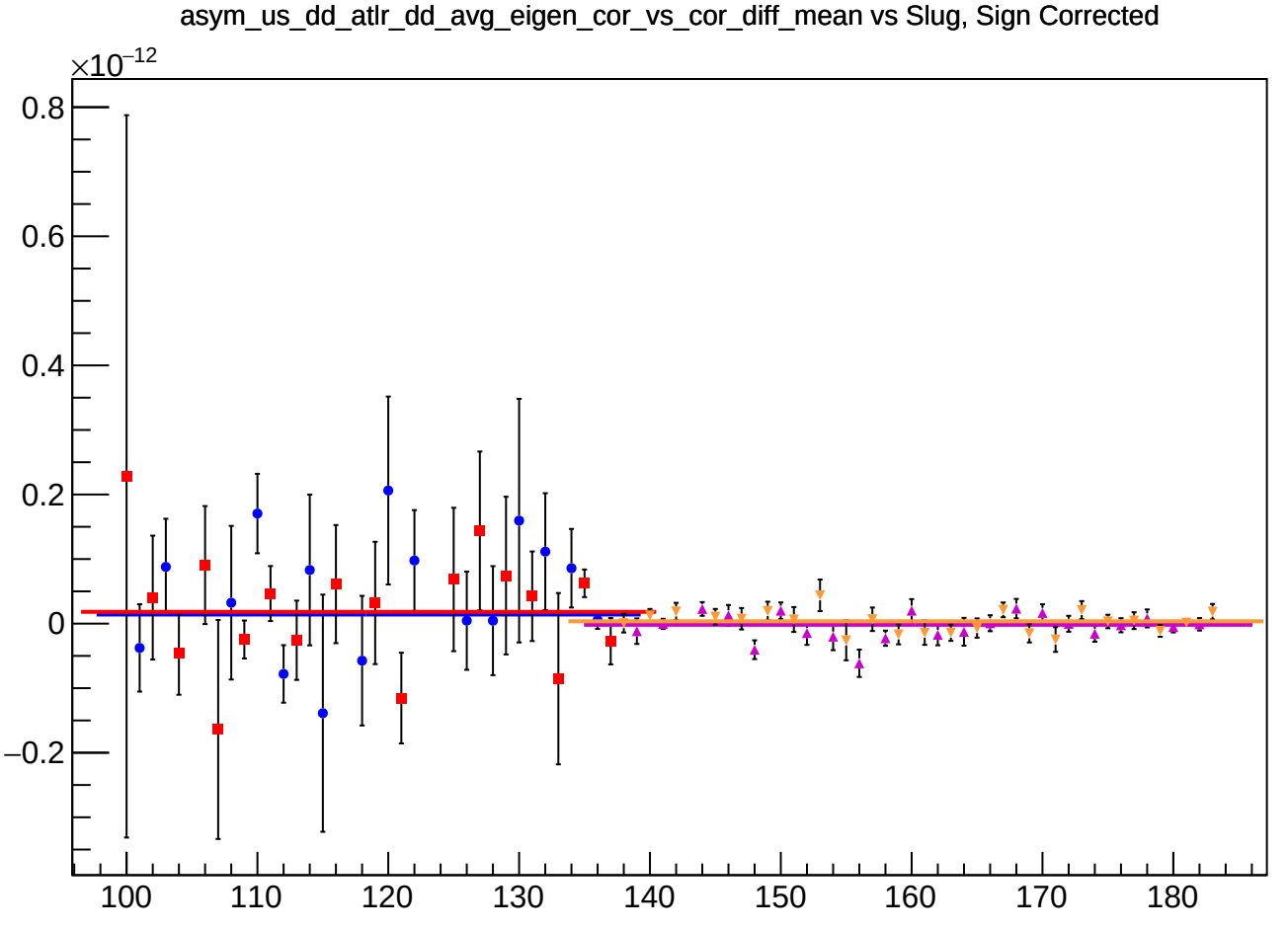
Left: 48.532+/-0.007 χ^2/NDF: 13680279.1/44

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.815+/-0.008 χ^2/NDF:8973475.0/37

Out: 49.956+/-0.008 χ^2/NDF:9237918.0/40

All: 49.365+/-0.006 χ^2/NDF: 18220889.2/78



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:38.0/21

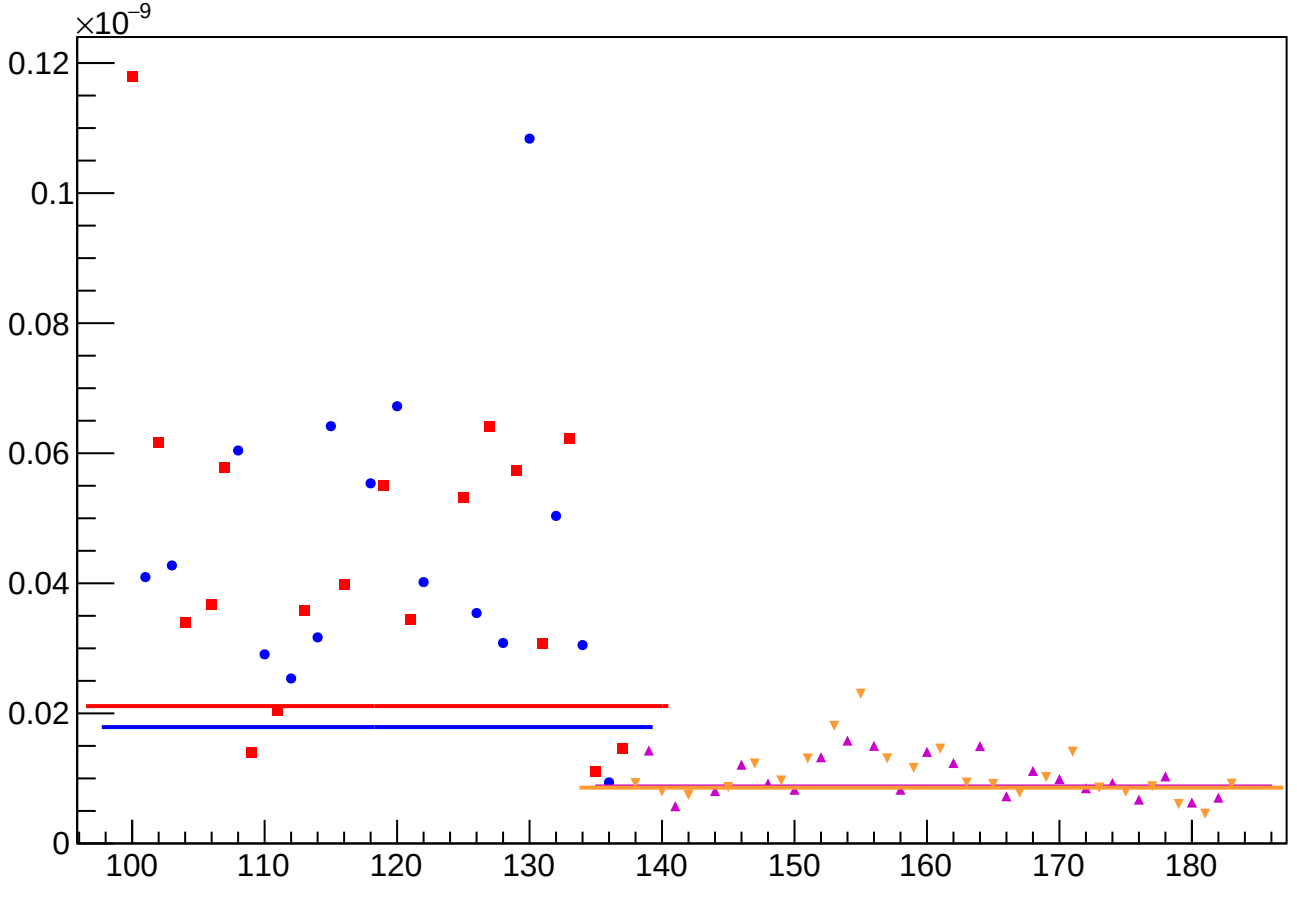
Left: 0.000+/-0.000 χ^2/NDF: 64.6/44

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:43.9/40

All: 0.000+/-0.000 χ^2/NDF: 106.0/78



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2493904.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1954685.8/21

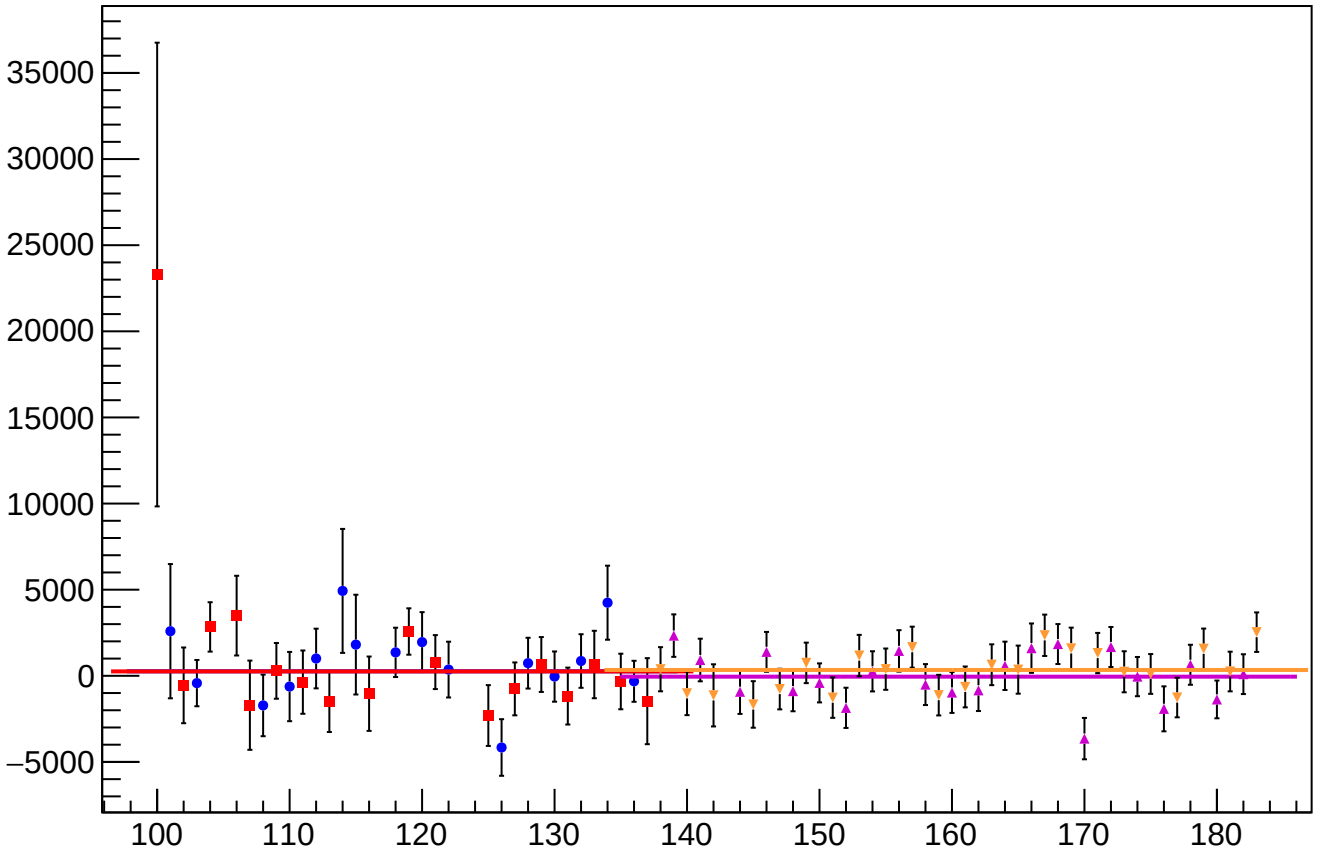
Left: 0.000+/-0.000 χ^2/NDF: 4453067.8/44

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:7028512.2/40

All: 0.000+/-0.000 χ^2/NDF: 13612233.3/78



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 338.919+/-253.430 χ^2/NDF:22.3/22

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: -49.766+/-255.672 χ^2/NDF:31.4/21

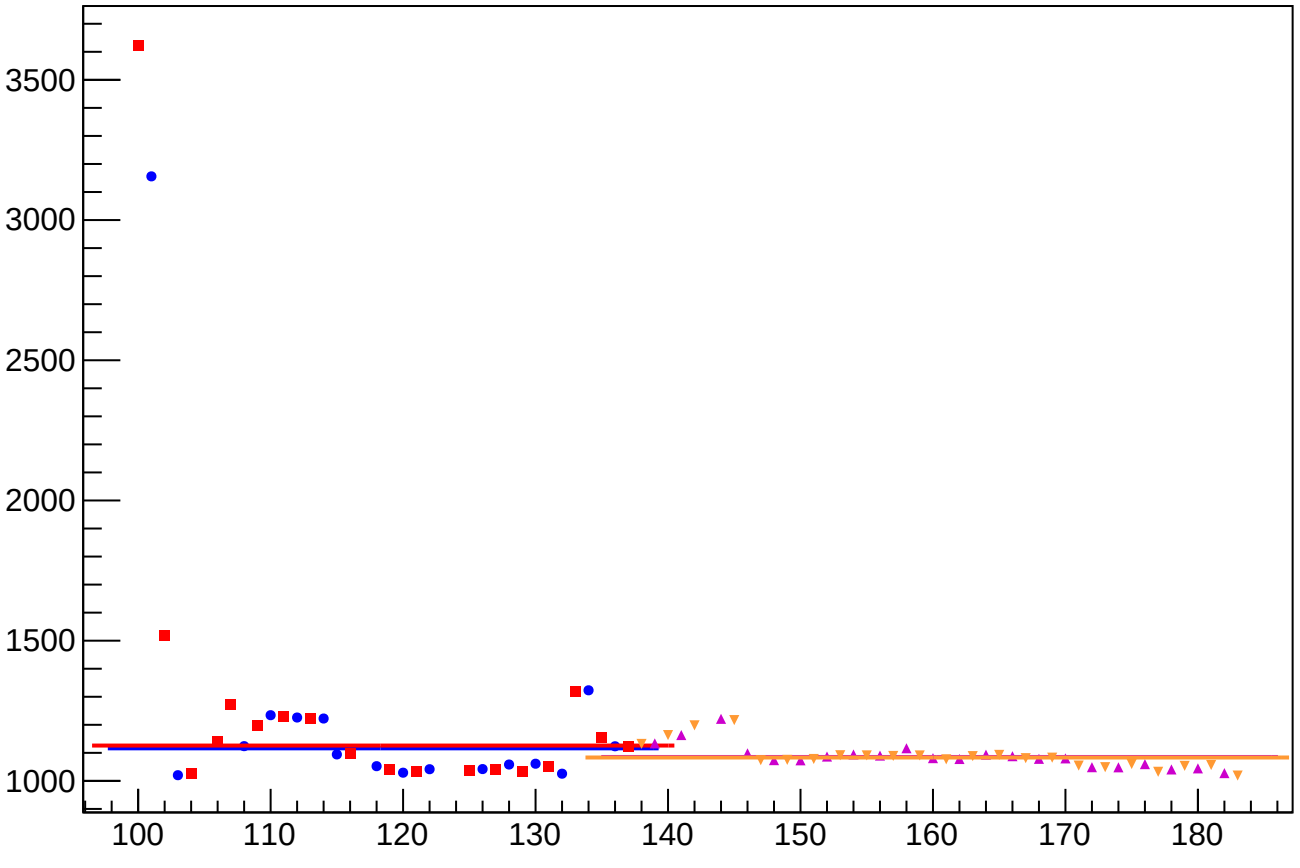
Left: 146.287+/-179.990 χ^2/NDF: 54.8/44

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 32.858+/-219.037 χ^2/NDF:48.8/37

Out: 317.210+/-217.774 χ^2/NDF:39.7/40

All: 175.856+/-154.434 χ^2/NDF: 89.3/78



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1083.418+/-0.179 χ^2/NDF:55465.1/22

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: 1084.342+/-0.127 χ^2/NDF: 106863.1/44

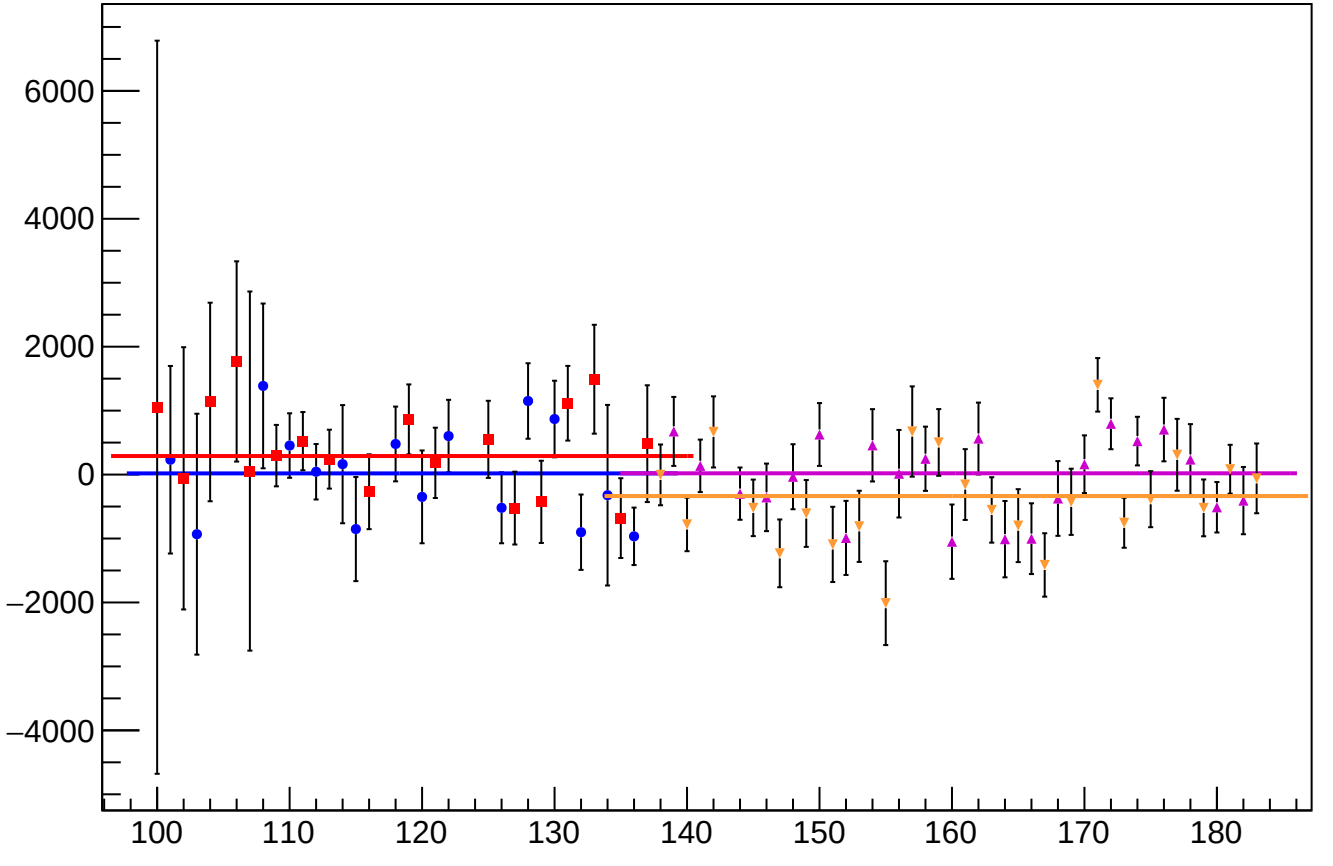
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1093.479+/-0.155 χ^2/NDF:682460.2/37

Out: 1094.562+/-0.154 χ^2/NDF:292352.2/40

All: 1094.023+/-0.109 χ^2/NDF: 974837.0/78

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -336.003+/-103.285 χ^2/NDF:48.8/22

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 19.940+/-105.537 χ^2/NDF:29.4/21

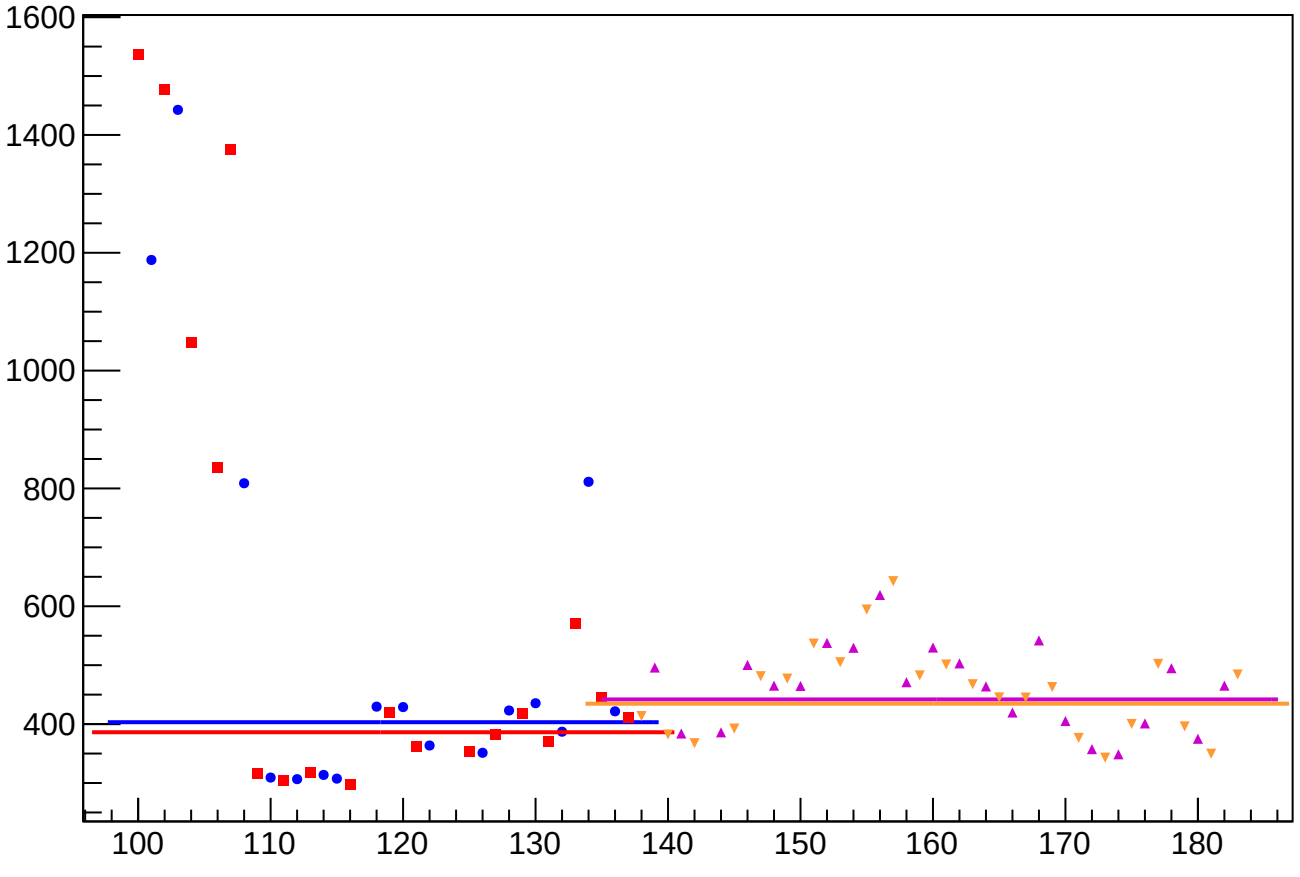
Left: -161.869+/-73.817 χ^2/NDF: 84.0/44

Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 19.499+/-88.303 χ^2/NDF:48.6/37

Out: -145.559+/-86.152 χ^2/NDF:73.4/40

All: -65.065+/-61.665 χ^2/NDF: 123.8/78



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 434.602+/-0.073 χ^2/NDF:877480.6/22

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 441.884+/-0.075 χ^2/NDF:824724.1/21

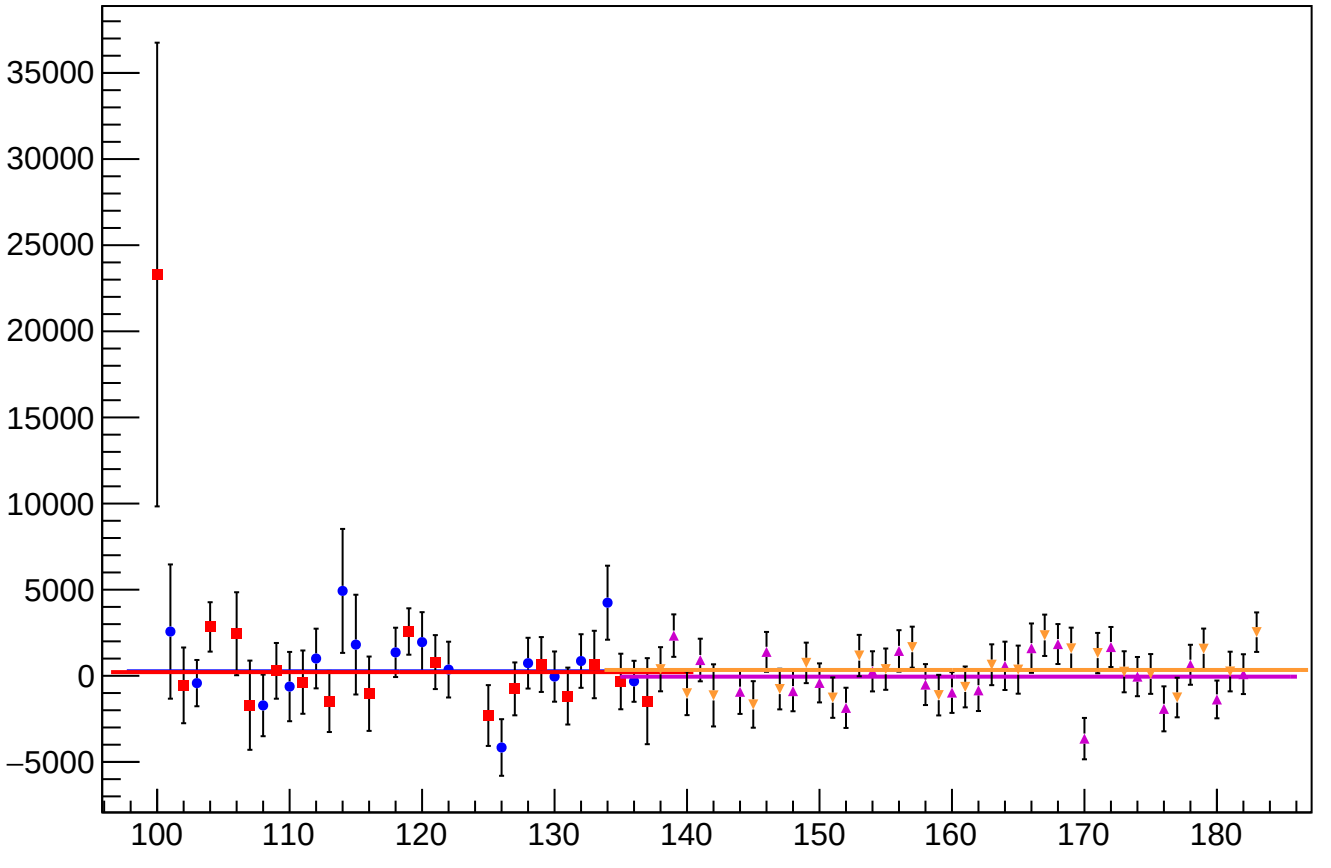
Left: 438.164+/-0.052 χ^2/NDF: 1707068.4/44

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 430.280+/-0.062 χ^2/NDF:2713774.5/37

Out: 419.859+/-0.061 χ^2/NDF:2770522.9/40

All: 424.941+/-0.044 χ^2/NDF: 5498566.7/78



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 338.920+/-253.430 χ^2/NDF:22.3/22

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: -49.780+/-255.672 χ^2/NDF:31.4/21

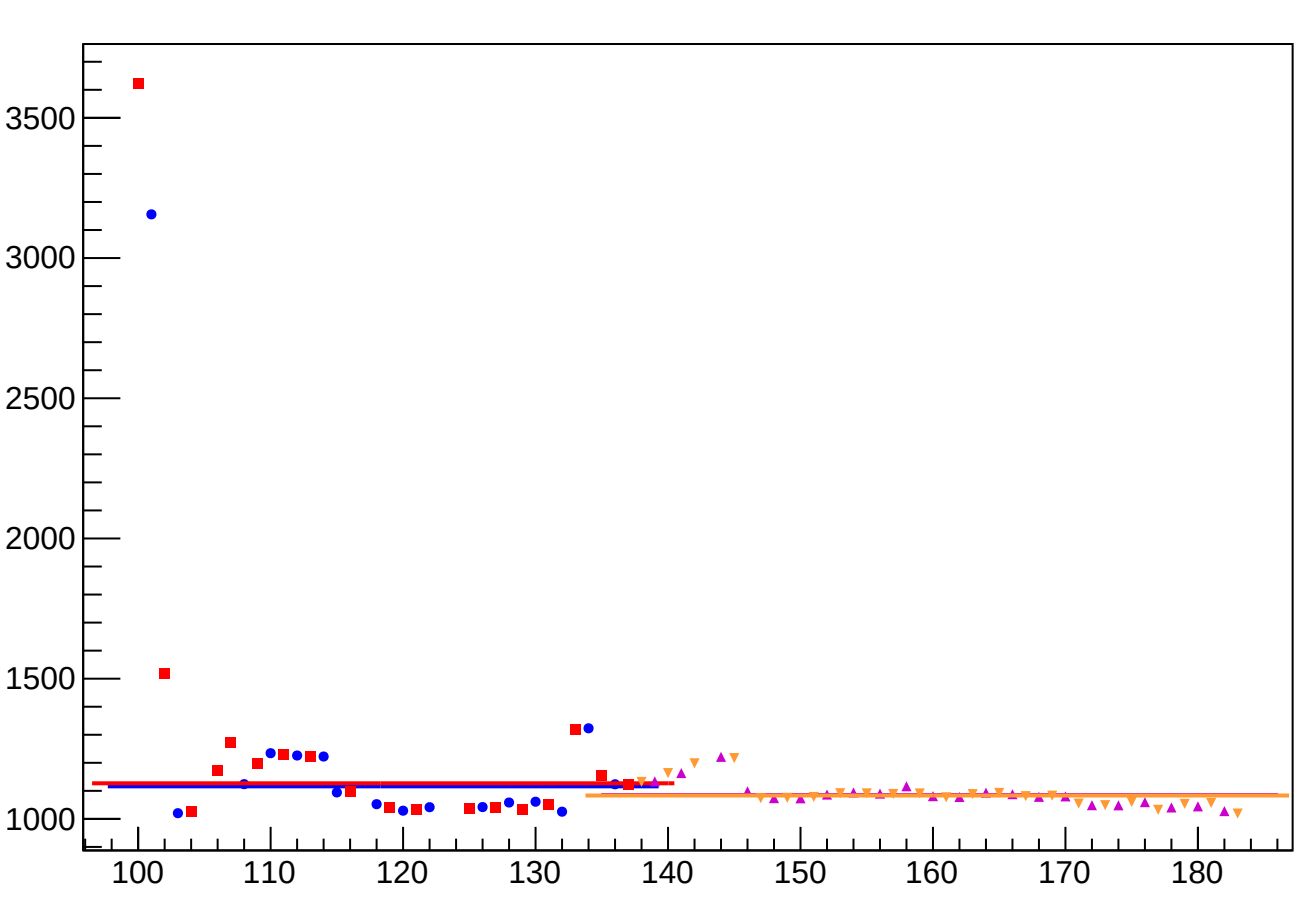
Left: 146.282+/-179.990 χ^2/NDF: 54.8/44

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 32.747+/-219.037 χ^2/NDF:48.7/37

Out: 306.435+/-217.848 χ^2/NDF:38.5/40

All: 170.336+/-154.460 χ^2/NDF: 88.1/78



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1083.418+/-0.179 χ^2/NDF:55465.1/22

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1085.283+/-0.181 χ^2/NDF:51344.3/21

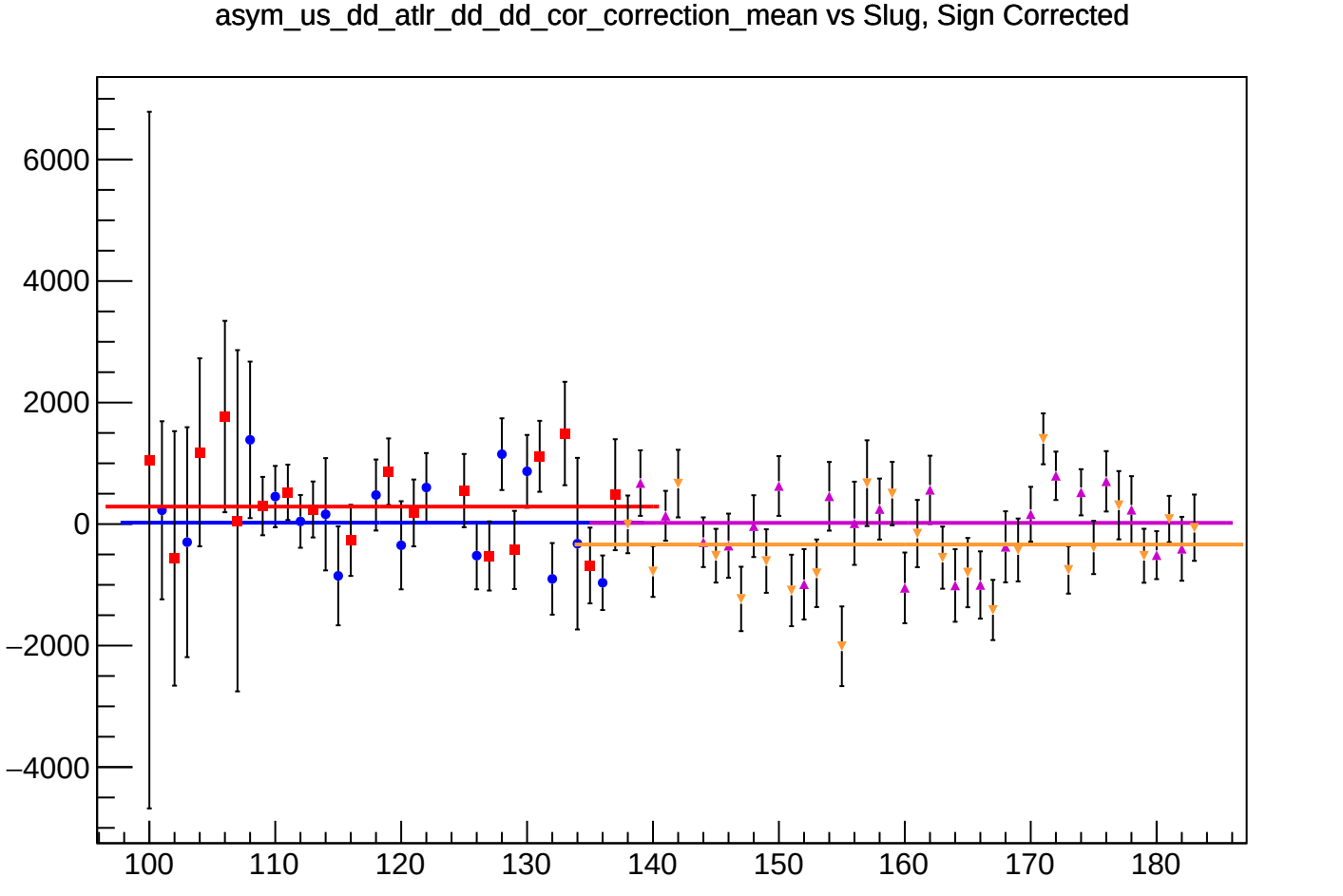
Left: 1084.342+/-0.127 χ^2/NDF: 106863.0/44

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

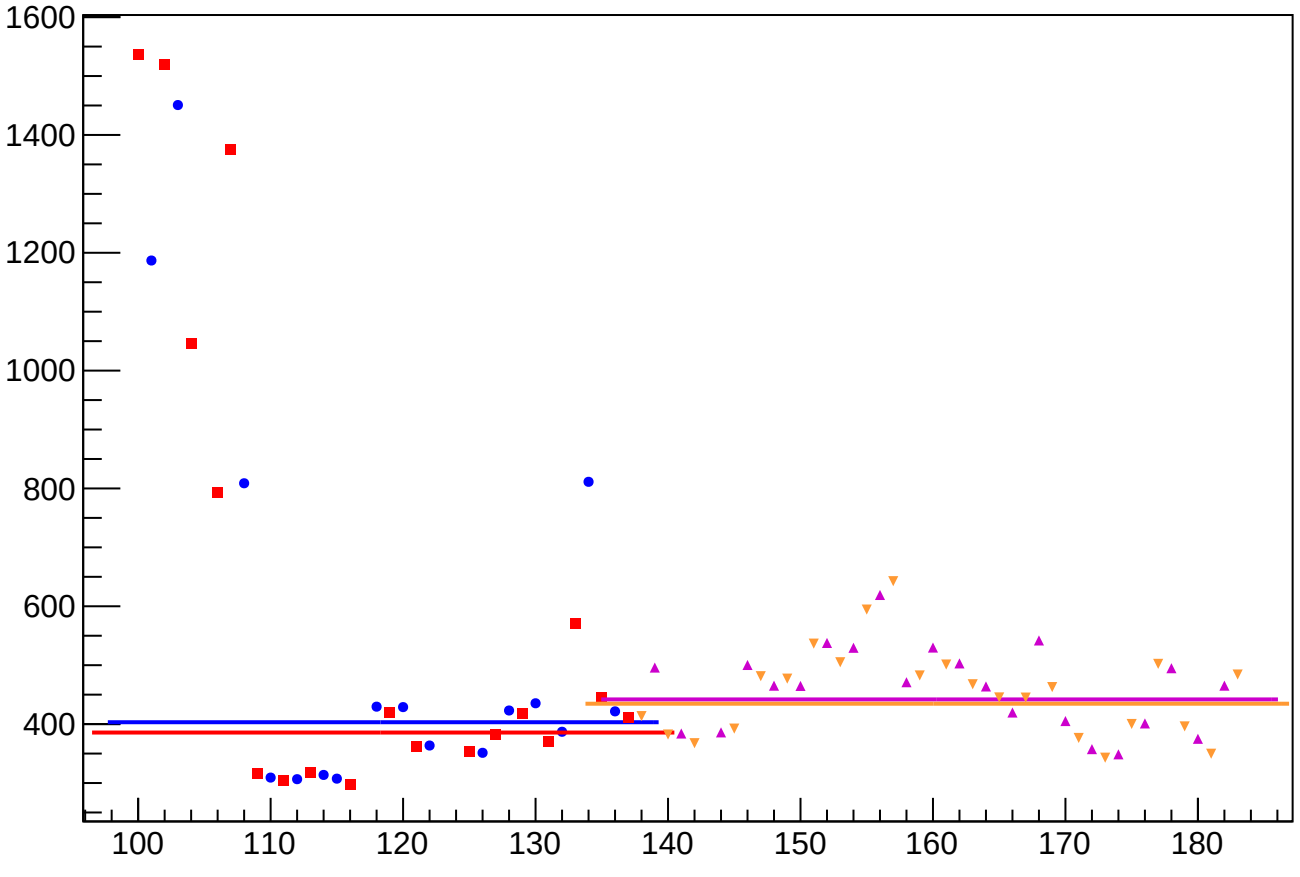
In: 1093.479+/-0.155 χ^2/NDF:682461.1/37

Out: 1094.787+/-0.154 χ^2/NDF:293619.5/40

All: 1094.136+/-0.109 χ^2/NDF: 976116.4/78


asym_us_dd_atlr_dd_dd_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: -336.071+/-103.285 χ²/NDF:48.8/22
Right Out: 287.614+/-156.212 χ²/NDF: 13.7/17
Left In: 19.919+/-105.537 χ²/NDF:29.4/21
Left: -161.915+/-73.817 χ²/NDF: 84.0/44
Right: 159.458+/-112.193 χ²/NDF: 34.0/33
In: 20.820+/-88.303 χ²/NDF:48.3/37
Out: -146.357+/-86.155 χ²/NDF:73.5/40
All: -64.826+/-61.666 χ²/NDF: 123.7/78

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 434.599+/-0.073 χ^2/NDF:877569.9/22

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 441.885+/-0.075 χ^2/NDF:824598.1/21

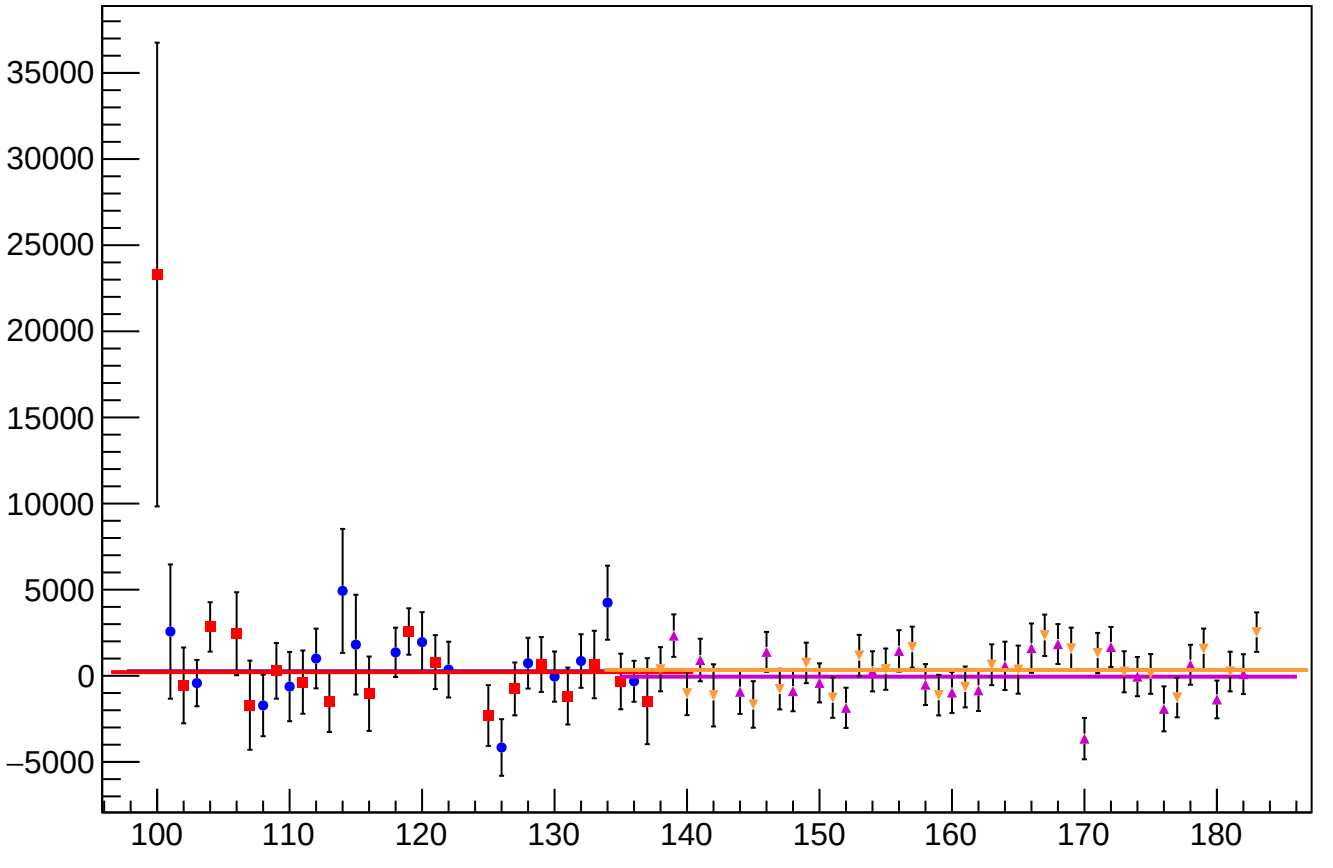
Left: 438.163+/-0.052 χ^2/NDF: 1707037.1/44

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 430.277+/-0.062 χ^2/NDF:2717381.5/37

Out: 419.719+/-0.061 χ^2/NDF:2761187.6/40

All: 424.868+/-0.044 χ^2/NDF: 5493216.9/78



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 338.920+/-253.430 χ^2/NDF:22.3/22

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: -49.780+/-255.672 χ^2/NDF:31.4/21

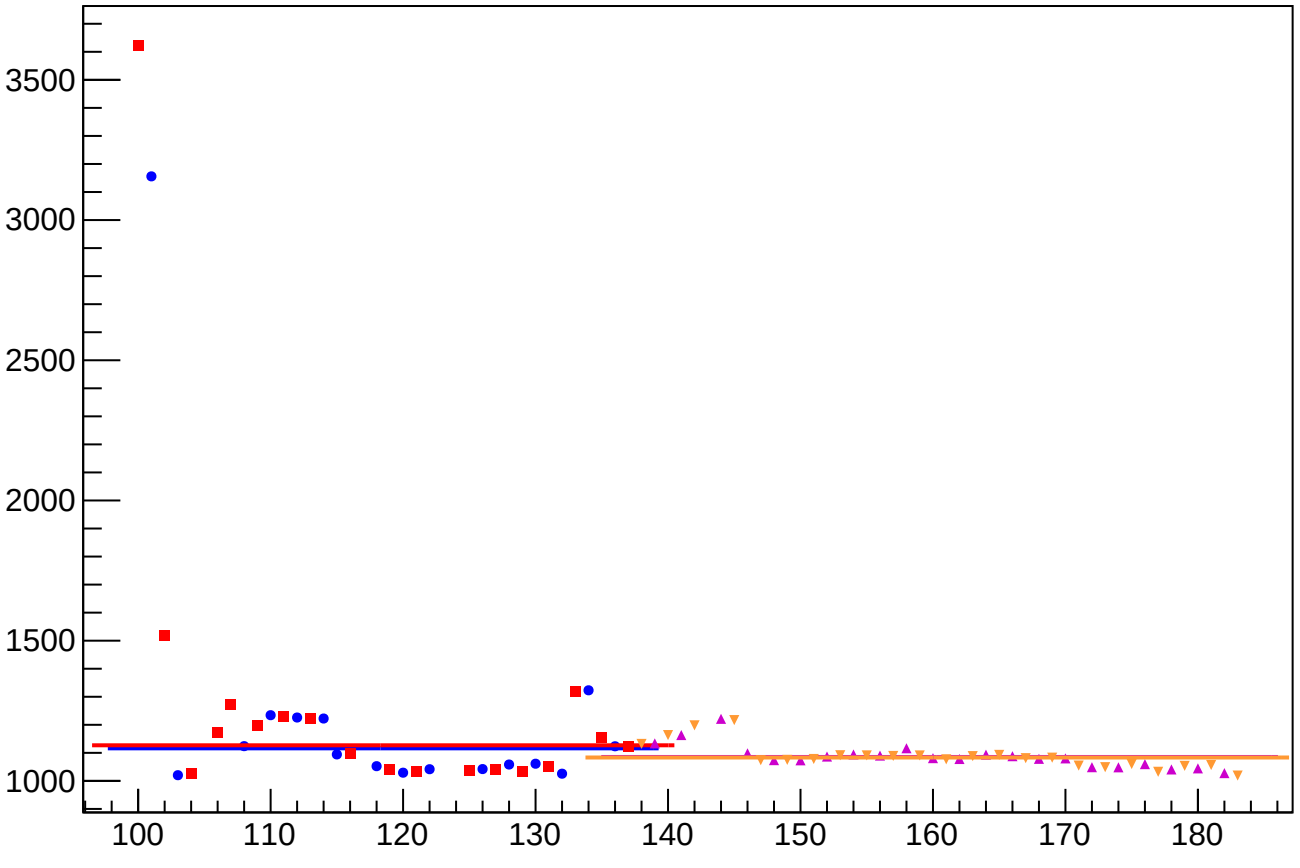
Left: 146.282+/-179.990 χ^2/NDF: 54.8/44

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 32.747+/-219.037 χ^2/NDF:48.7/37

Out: 306.435+/-217.848 χ^2/NDF:38.5/40

All: 170.336+/-154.460 χ^2/NDF: 88.1/78



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1083.418+/-0.179 χ^2/NDF:55465.1/22

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: 1084.342+/-0.127 χ^2/NDF: 106863.0/44

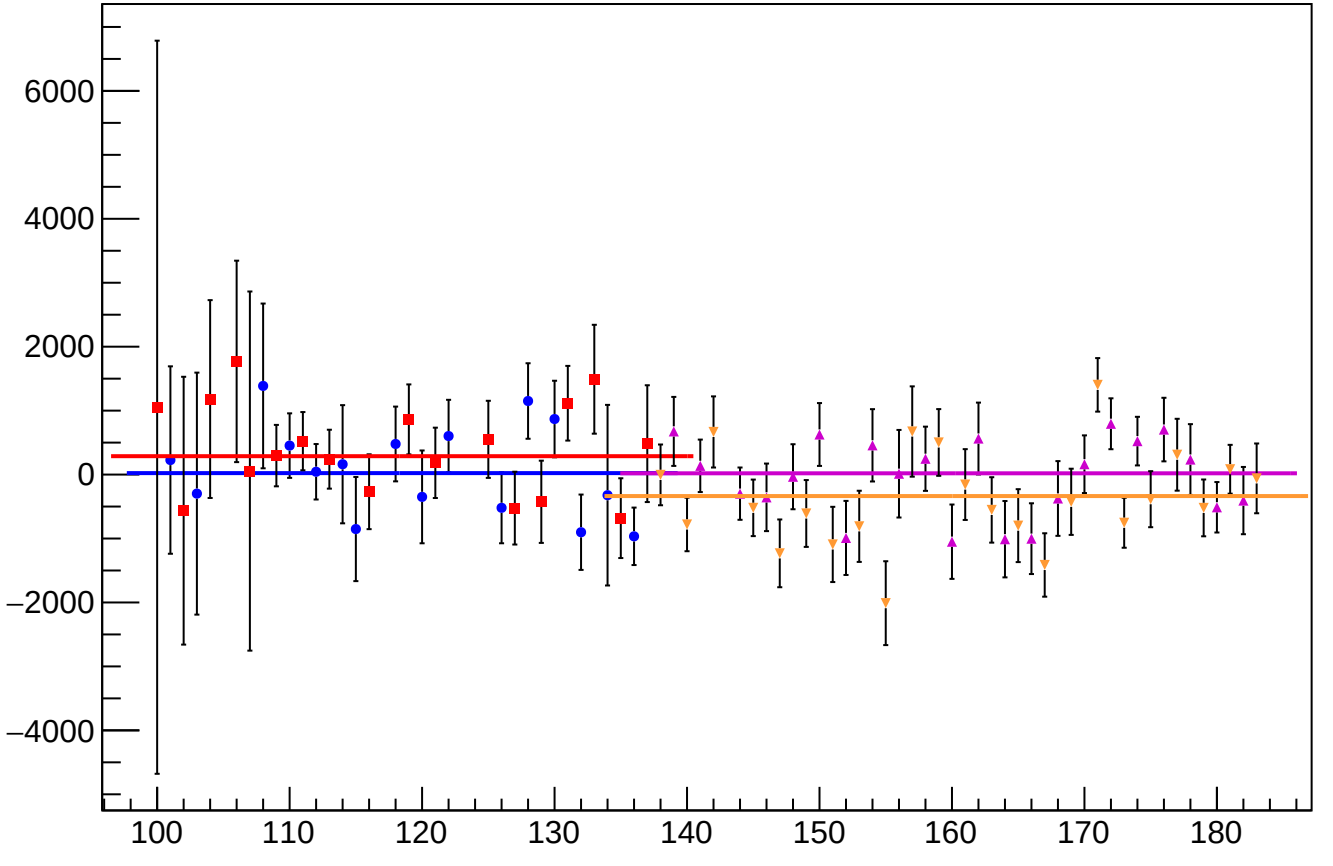
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1093.479+/-0.155 χ^2/NDF:682461.1/37

Out: 1094.787+/-0.154 χ^2/NDF:293619.5/40

All: 1094.136+/-0.109 χ^2/NDF: 976116.4/78

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -336.071+/-103.285 χ^2/NDF:48.8/22

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: -161.915+/-73.817 χ^2/NDF: 84.0/44

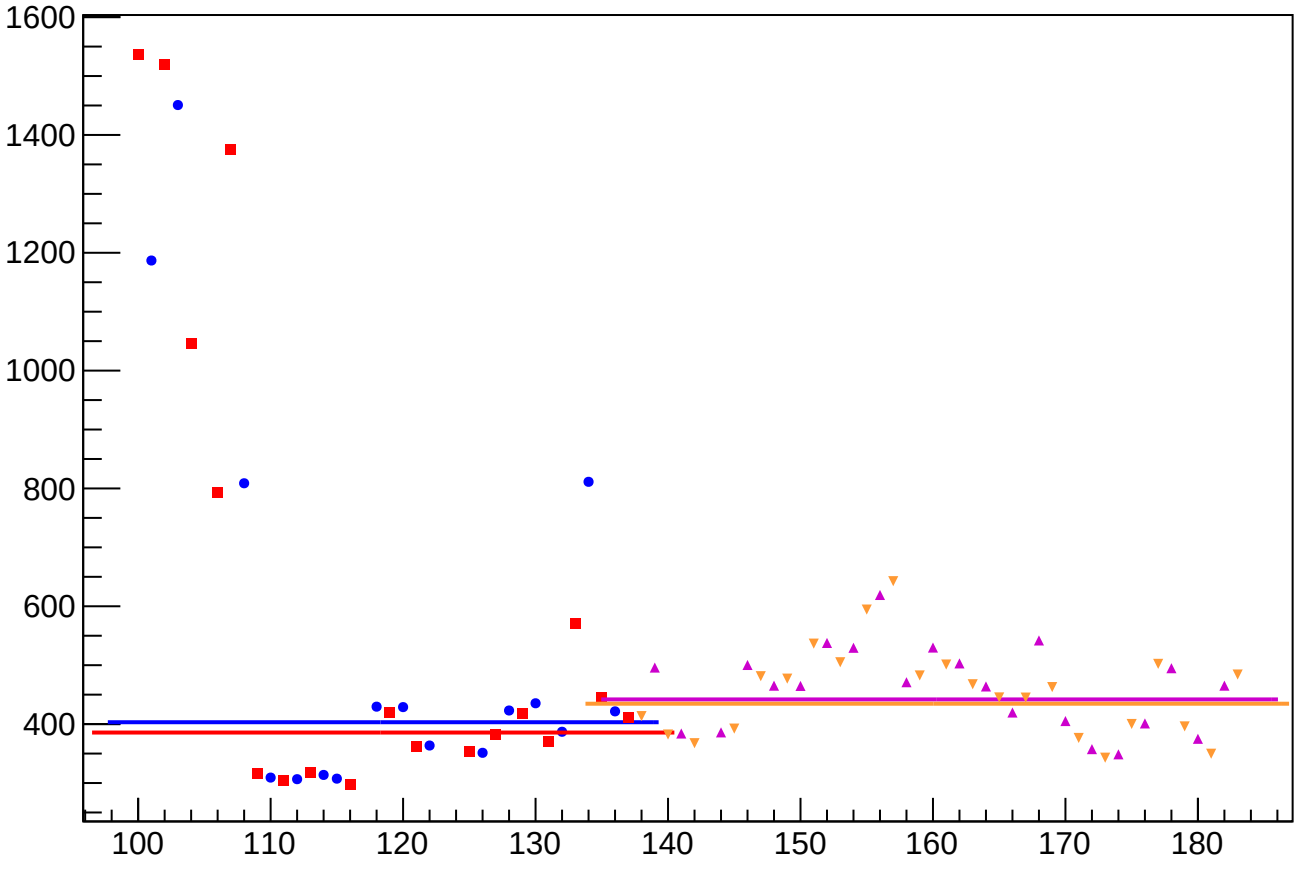
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 20.820+/-88.303 χ^2/NDF:48.3/37

Out: -146.357+/-86.155 χ^2/NDF:73.5/40

All: -64.826+/-61.666 χ^2/NDF: 123.7/78

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 434.599+/-0.073 χ^2/NDF:877569.9/22

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 441.885+/-0.075 χ^2/NDF:824598.1/21

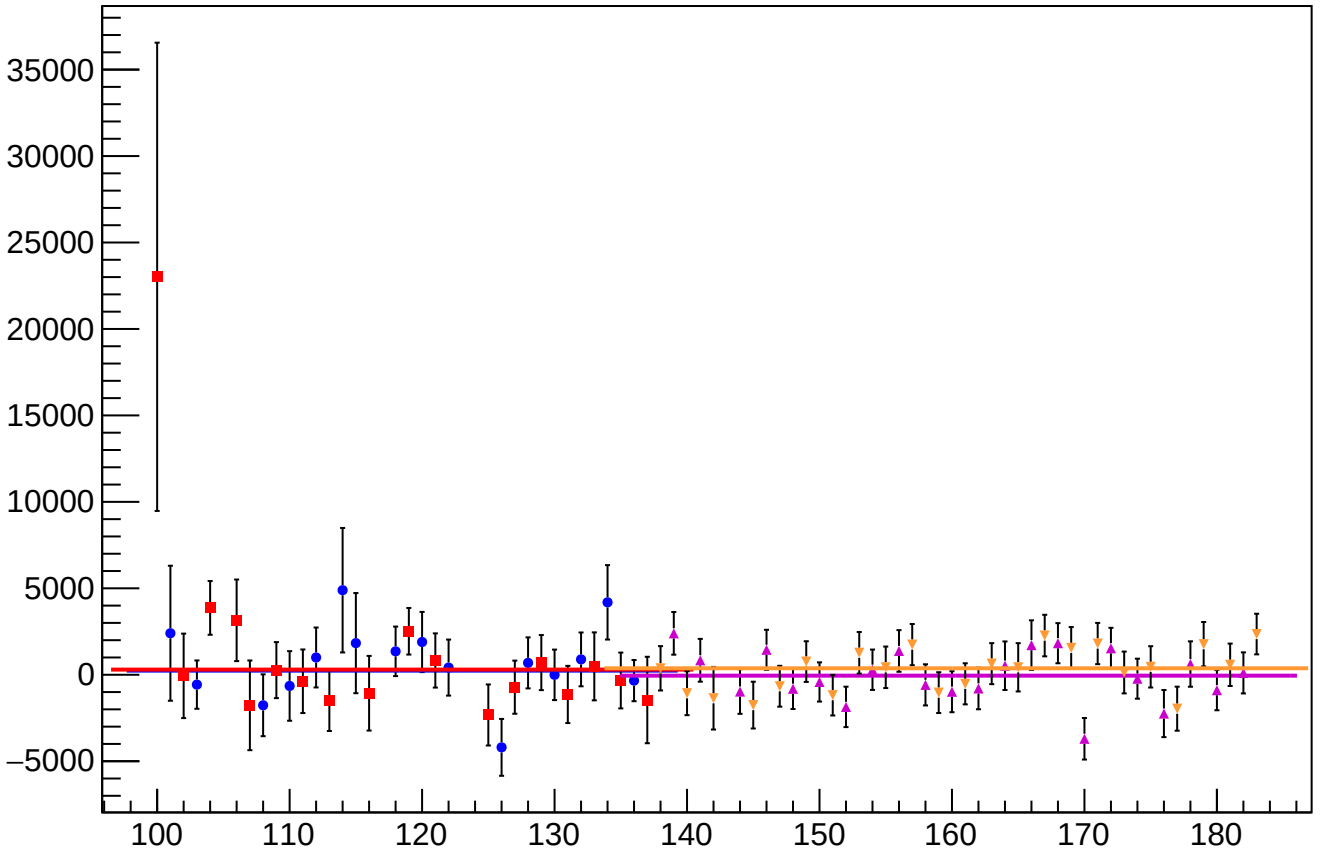
Left: 438.163+/-0.052 χ^2/NDF: 1707037.1/44

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 430.277+/-0.062 χ^2/NDF:2717381.5/37

Out: 419.719+/-0.061 χ^2/NDF:2761187.6/40

All: 424.868+/-0.044 χ^2/NDF: 5493216.9/78



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 375.320+/-257.617 χ^2/NDF:23.6/22

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: -51.587+/-259.205 χ^2/NDF:31.0/21

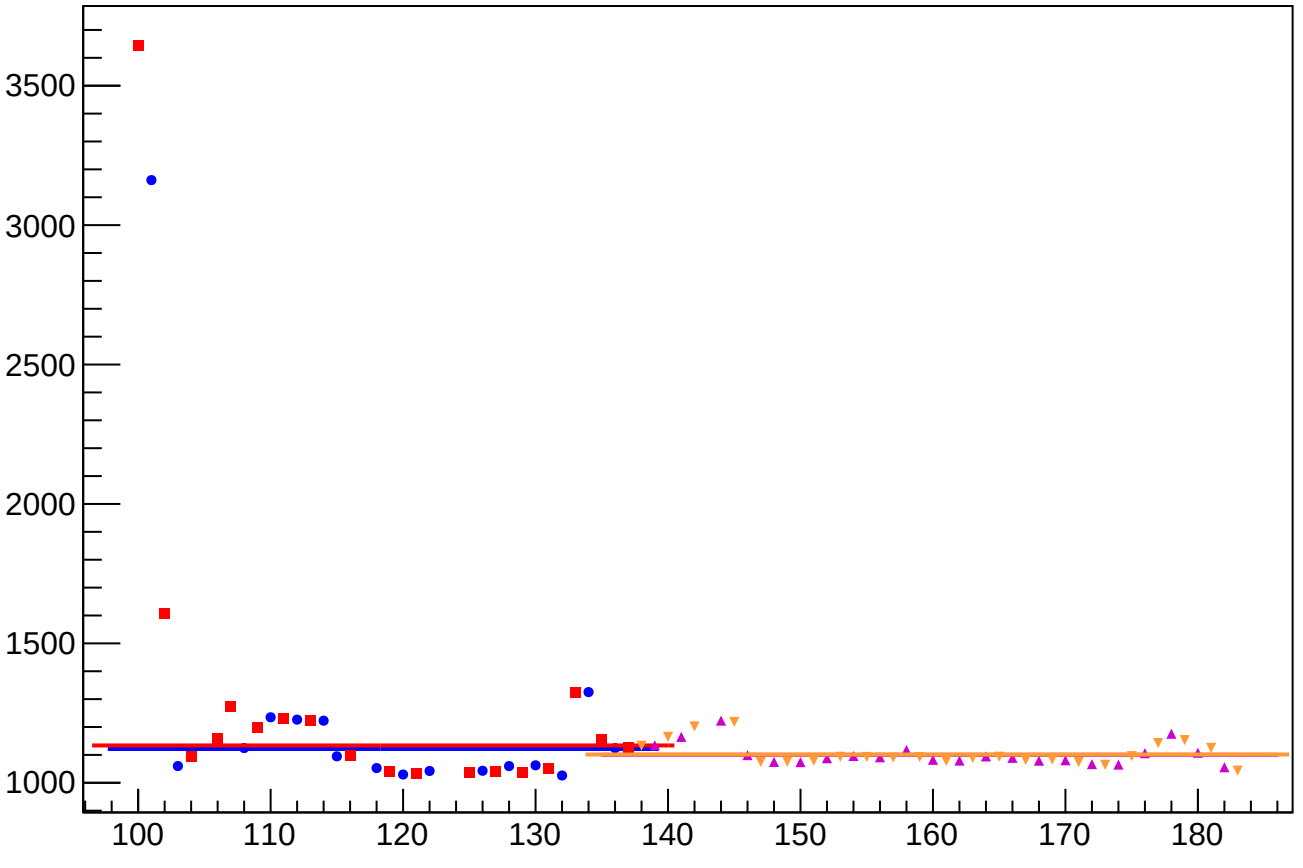
Left: 163.178+/-182.722 χ^2/NDF: 55.9/44

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 27.261+/-221.518 χ^2/NDF:48.2/37

Out: 355.194+/-221.095 χ^2/NDF:42.3/40

All: 191.541+/-156.487 χ^2/NDF: 91.6/78



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1101.376+/-0.182 χ^2/NDF:46409.2/22

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: 1100.853+/-0.129 χ^2/NDF: 89612.8/44

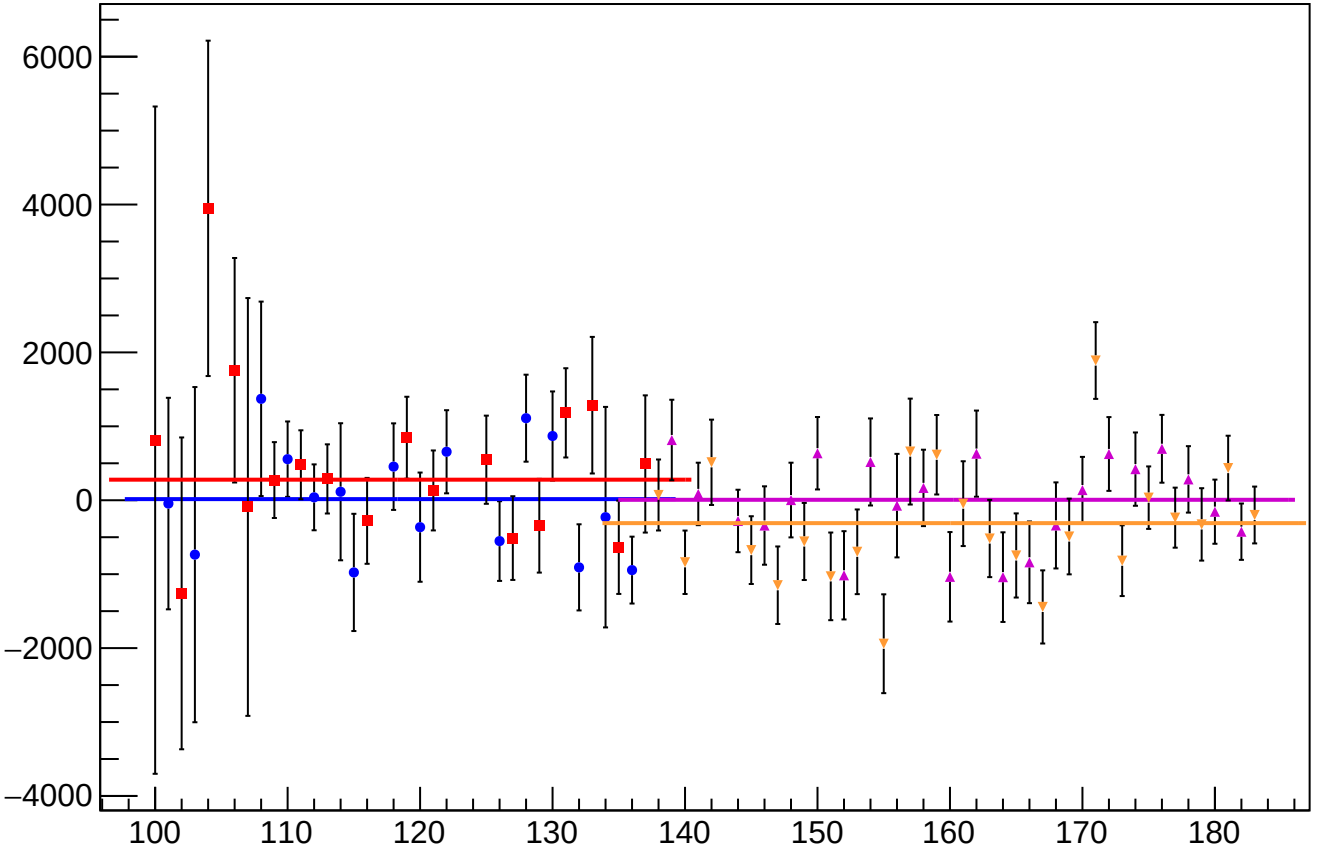
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1105.979+/-0.157 χ^2/NDF:663745.0/37

Out: 1109.952+/-0.156 χ^2/NDF:282279.1/40

All: 1107.969+/-0.111 χ^2/NDF: 946346.4/78

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: -309.584+/-104.261 χ^2/NDF:49.4/22

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: -155.890+/-74.690 χ^2/NDF: 78.6/44

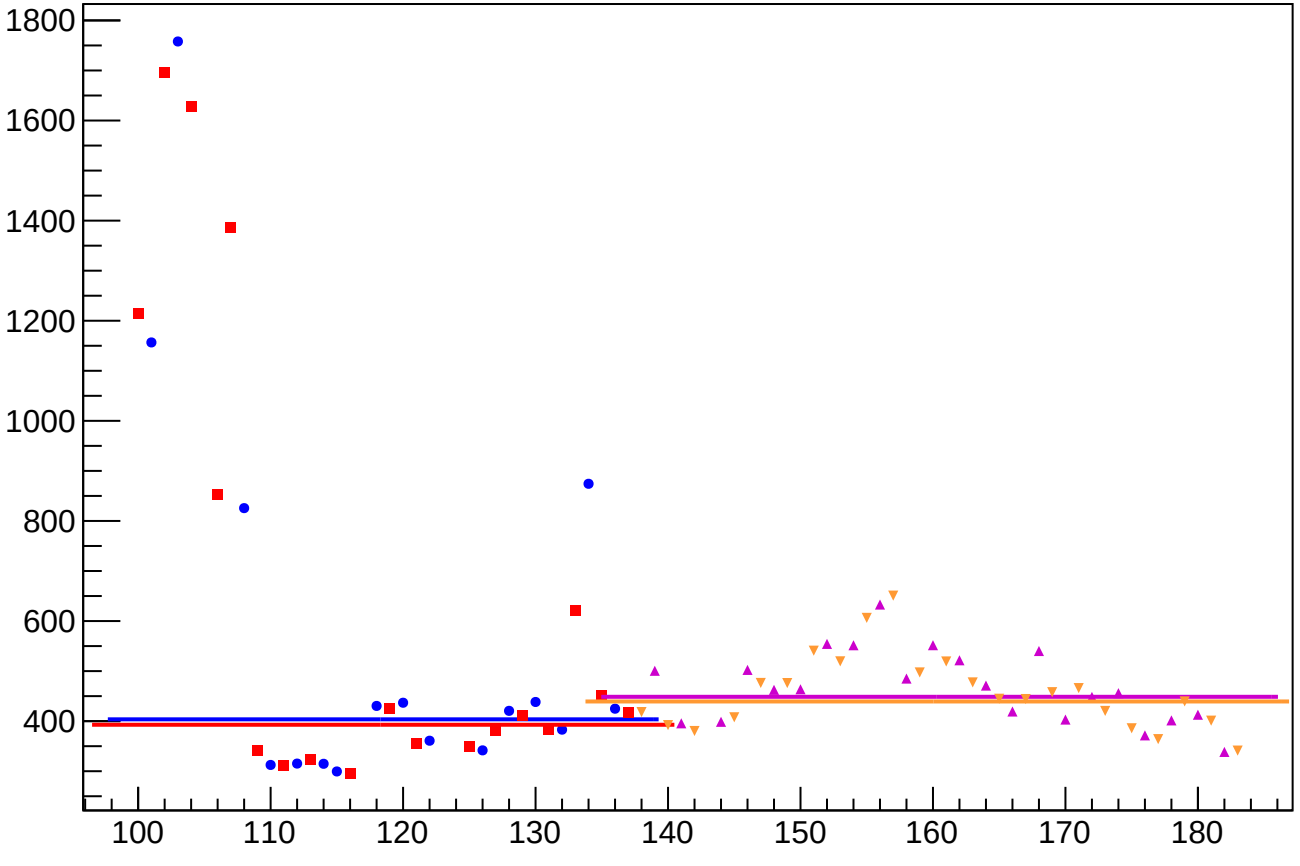
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 8.921+/-89.286 χ^2/NDF:44.4/37

Out: -132.559+/-87.160 χ^2/NDF:74.0/40

All: -63.523+/-62.369 χ^2/NDF: 119.7/78

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: 439.341+/-0.074 χ^2/NDF:806114.2/22

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 448.670+/-0.076 χ^2/NDF:801242.4/21

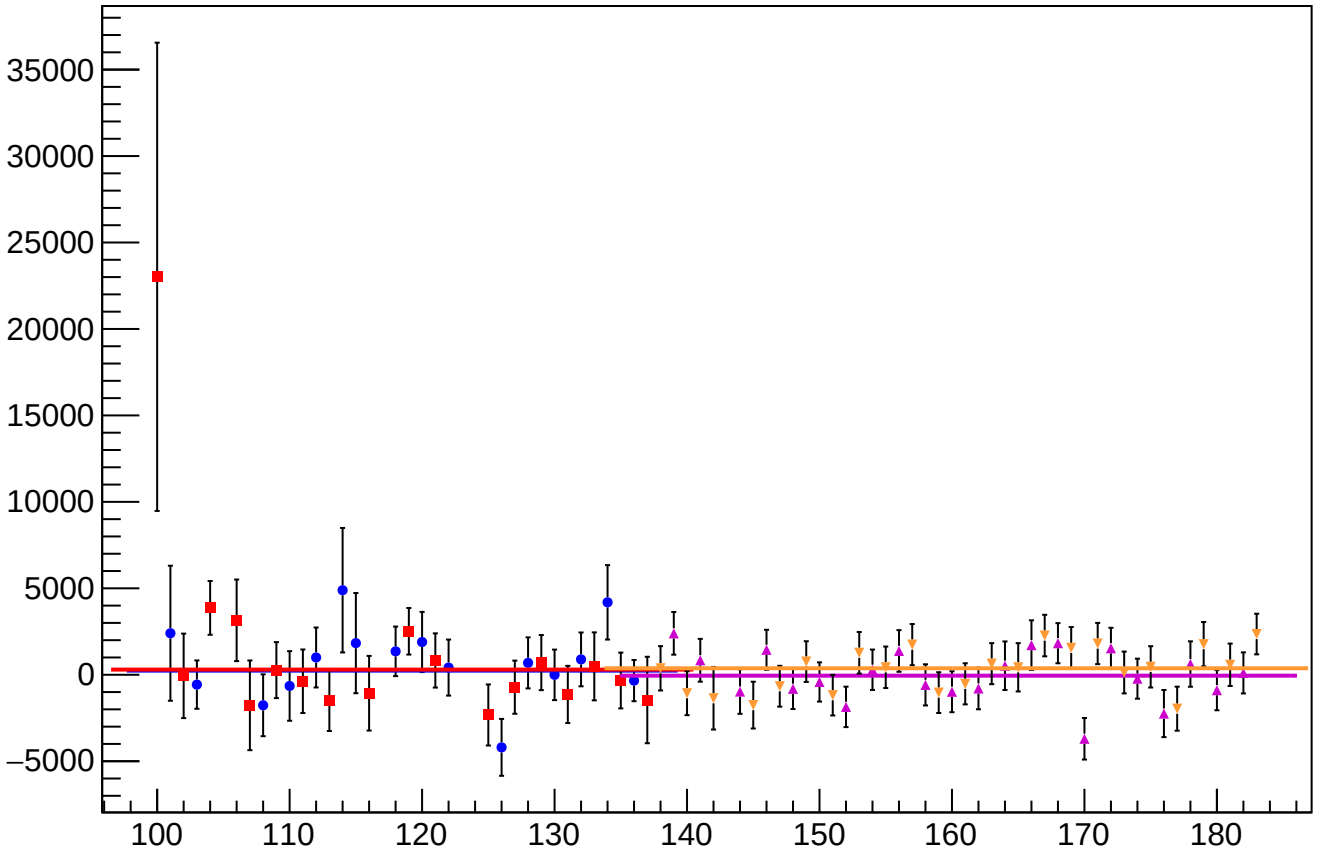
Left: 443.882+/-0.053 χ^2/NDF: 1615151.7/44

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 434.970+/-0.063 χ^2/NDF:2838467.3/37

Out: 425.331+/-0.062 χ^2/NDF:3129478.4/40

All: 430.035+/-0.044 χ^2/NDF: 5979881.1/78



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 375.318+/-257.617 χ^2/NDF:23.6/22

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: -51.586+/-259.205 χ^2/NDF:31.0/21

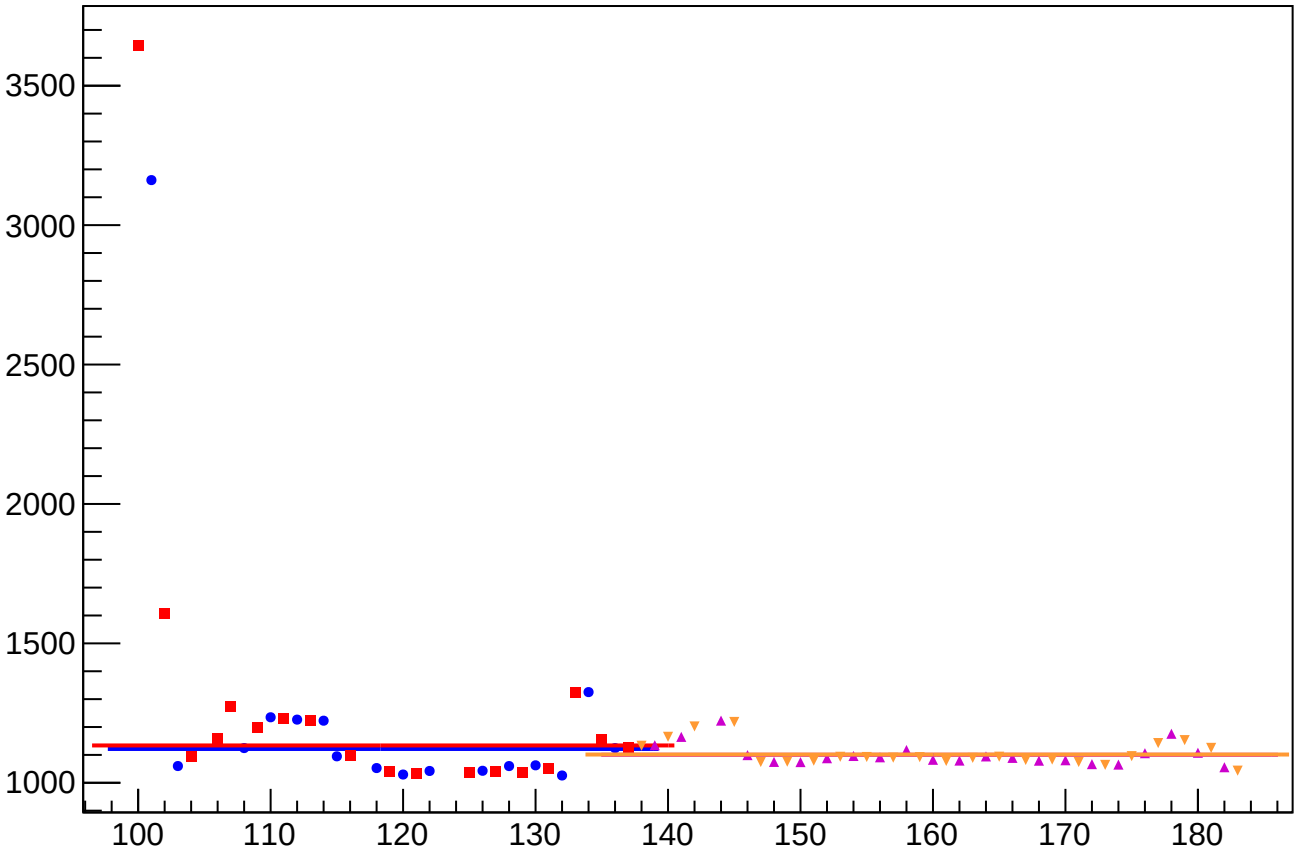
Left: 163.177+/-182.722 χ^2/NDF: 55.9/44

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 27.262+/-221.518 χ^2/NDF:48.2/37

Out: 355.193+/-221.095 χ^2/NDF:42.3/40

All: 191.541+/-156.487 χ^2/NDF: 91.6/78



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1101.376+/-0.182 χ^2/NDF:46409.5/22

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1100.324+/-0.183 χ^2/NDF:43187.1/21

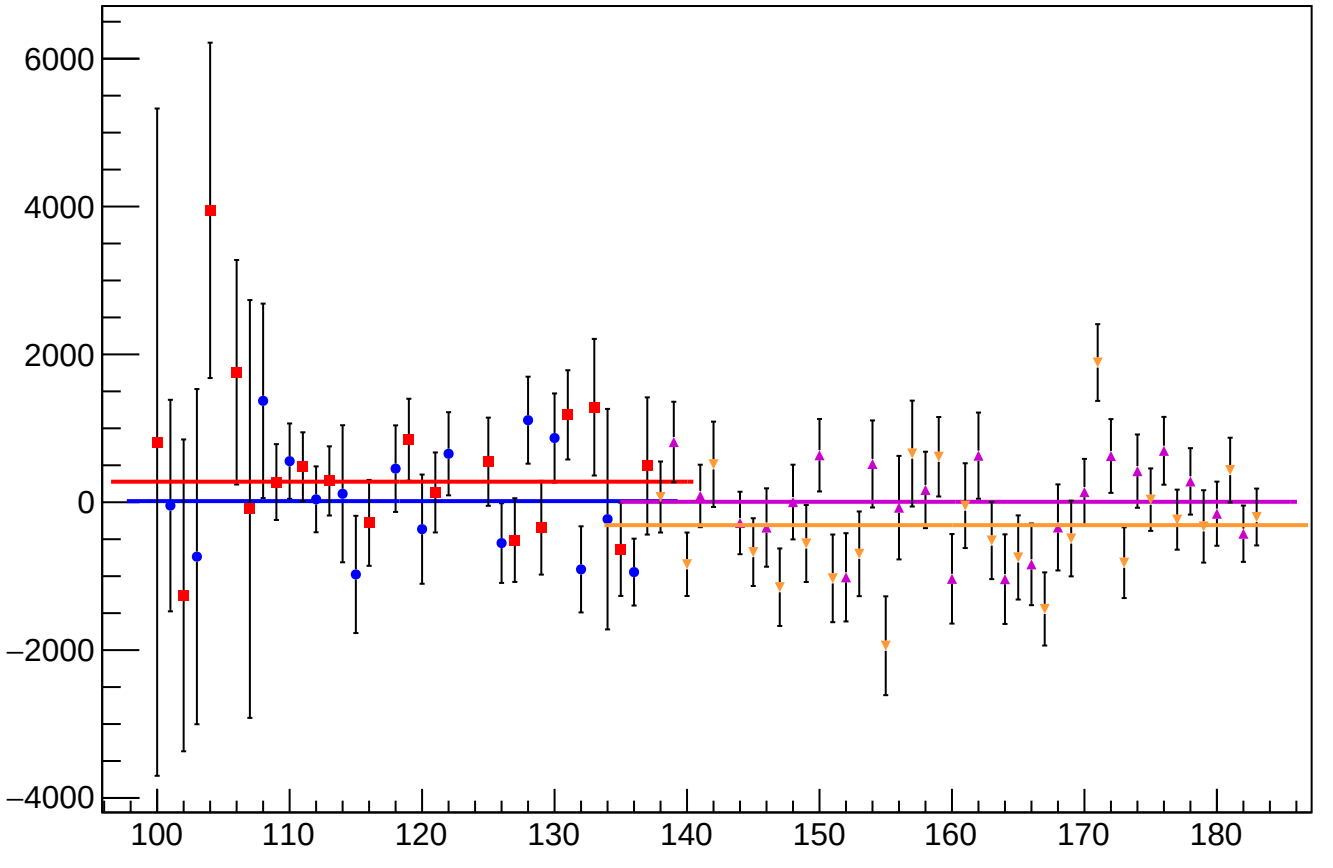
Left: 1100.853+/-0.129 χ^2/NDF: 89613.2/44

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1105.978+/-0.157 χ^2/NDF:663745.2/37

Out: 1109.952+/-0.156 χ^2/NDF:282279.4/40

All: 1107.969+/-0.111 χ^2/NDF: 946346.9/78



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -309.586+/-104.261 χ^2/NDF:49.4/22

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: -155.890+/-74.690 χ^2/NDF: 78.6/44

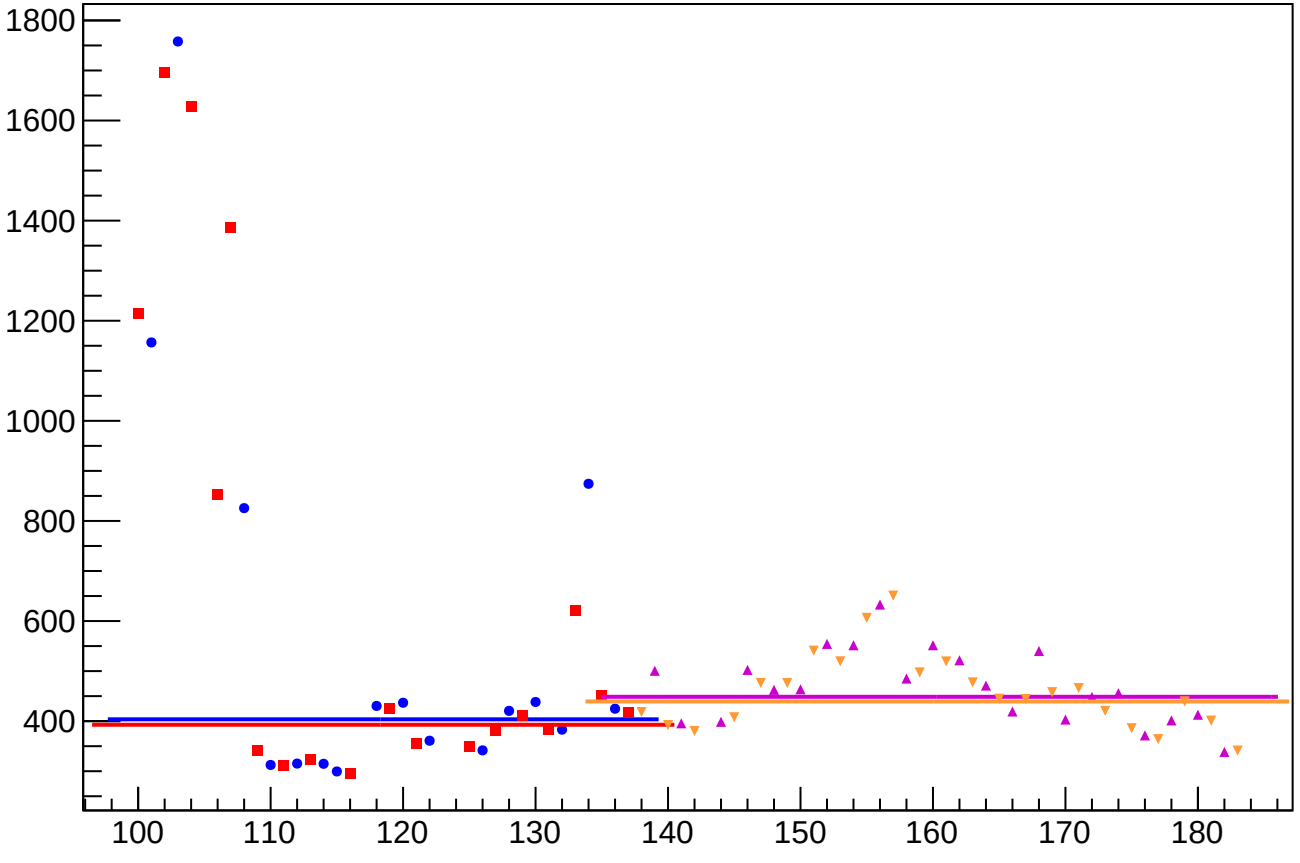
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: 8.920+/-89.285 χ^2/NDF:44.4/37

Out: -132.559+/-87.160 χ^2/NDF:74.0/40

All: -63.523+/-62.369 χ^2/NDF: 119.7/78

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 439.340+/-0.074 χ^2/NDF:806142.4/22

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 448.670+/-0.076 χ^2/NDF:801273.8/21

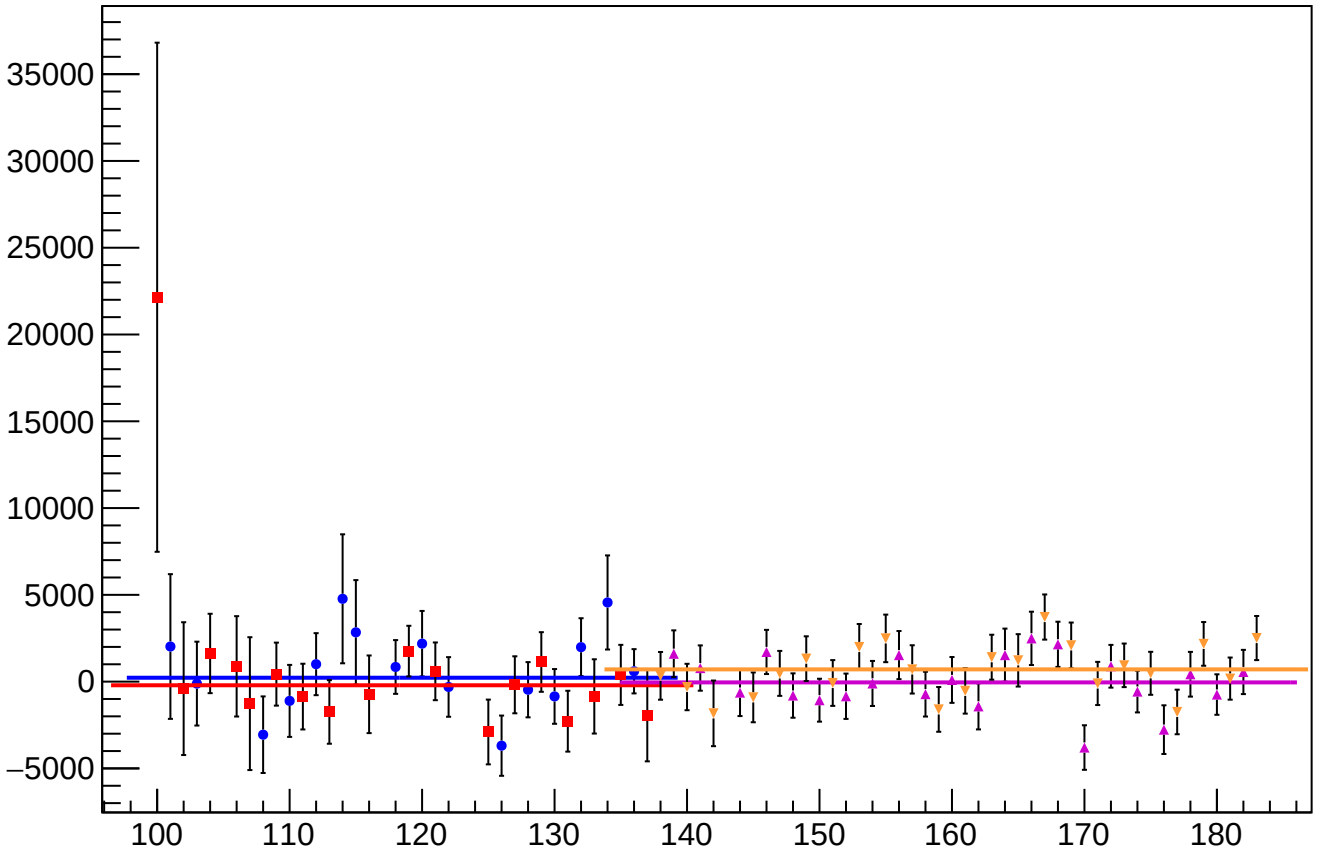
Left: 443.882+/-0.053 χ^2/NDF: 1615211.3/44

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 434.969+/-0.063 χ^2/NDF:2838509.4/37

Out: 425.330+/-0.062 χ^2/NDF:3129529.5/40

All: 430.033+/-0.044 χ^2/NDF: 5979974.5/78



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 706.143+/-276.244 χ^2/NDF:25.7/22

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: -44.508+/-278.725 χ^2/NDF:28.5/21

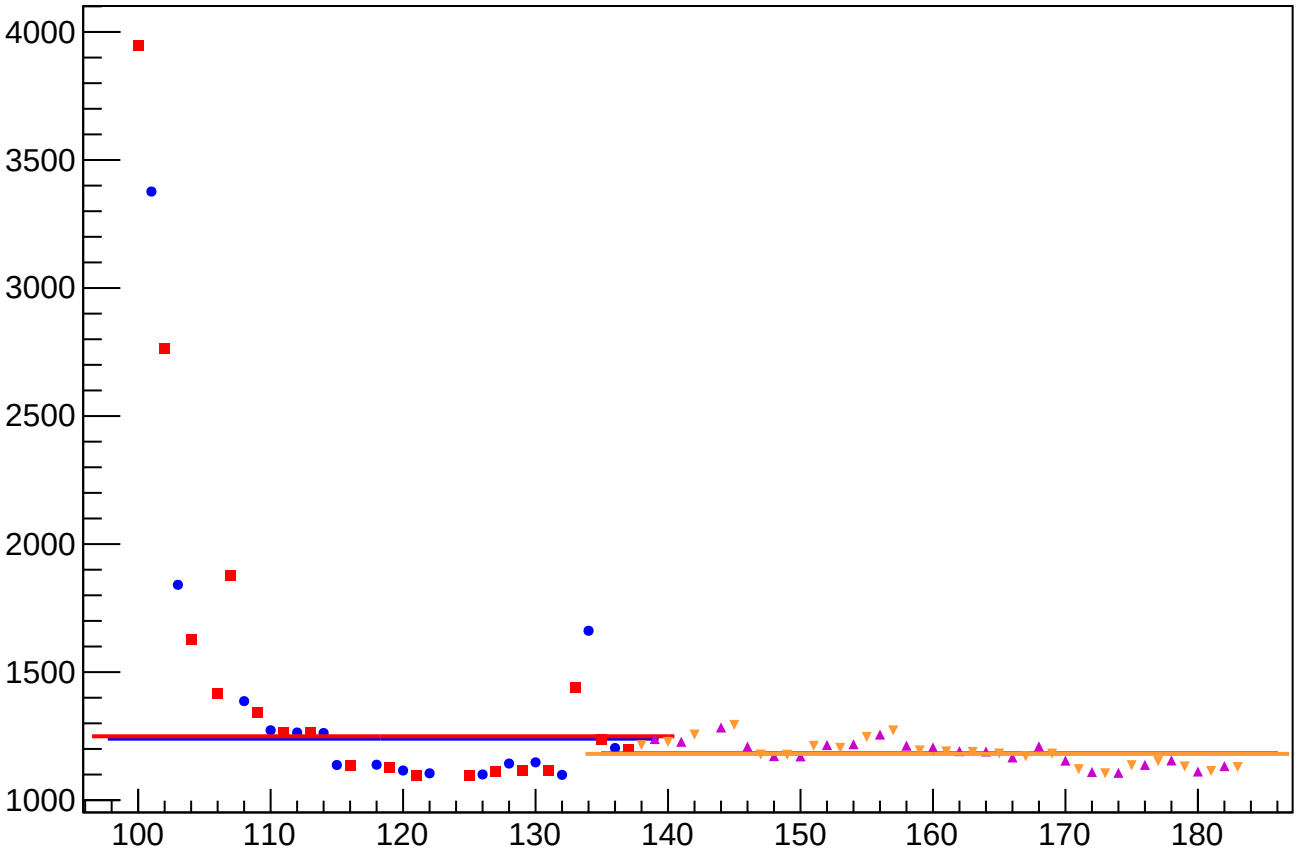
Left: 334.173+/-196.205 χ^2/NDF: 57.8/44

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 24.569+/-240.337 χ^2/NDF:44.8/37

Out: 476.703+/-239.153 χ^2/NDF:39.4/40

All: 251.753+/-169.524 χ^2/NDF: 86.0/78



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1180.792+/-0.195 χ^2/NDF:62729.8/22

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1182.969+/-0.197 χ^2/NDF:58804.6/21

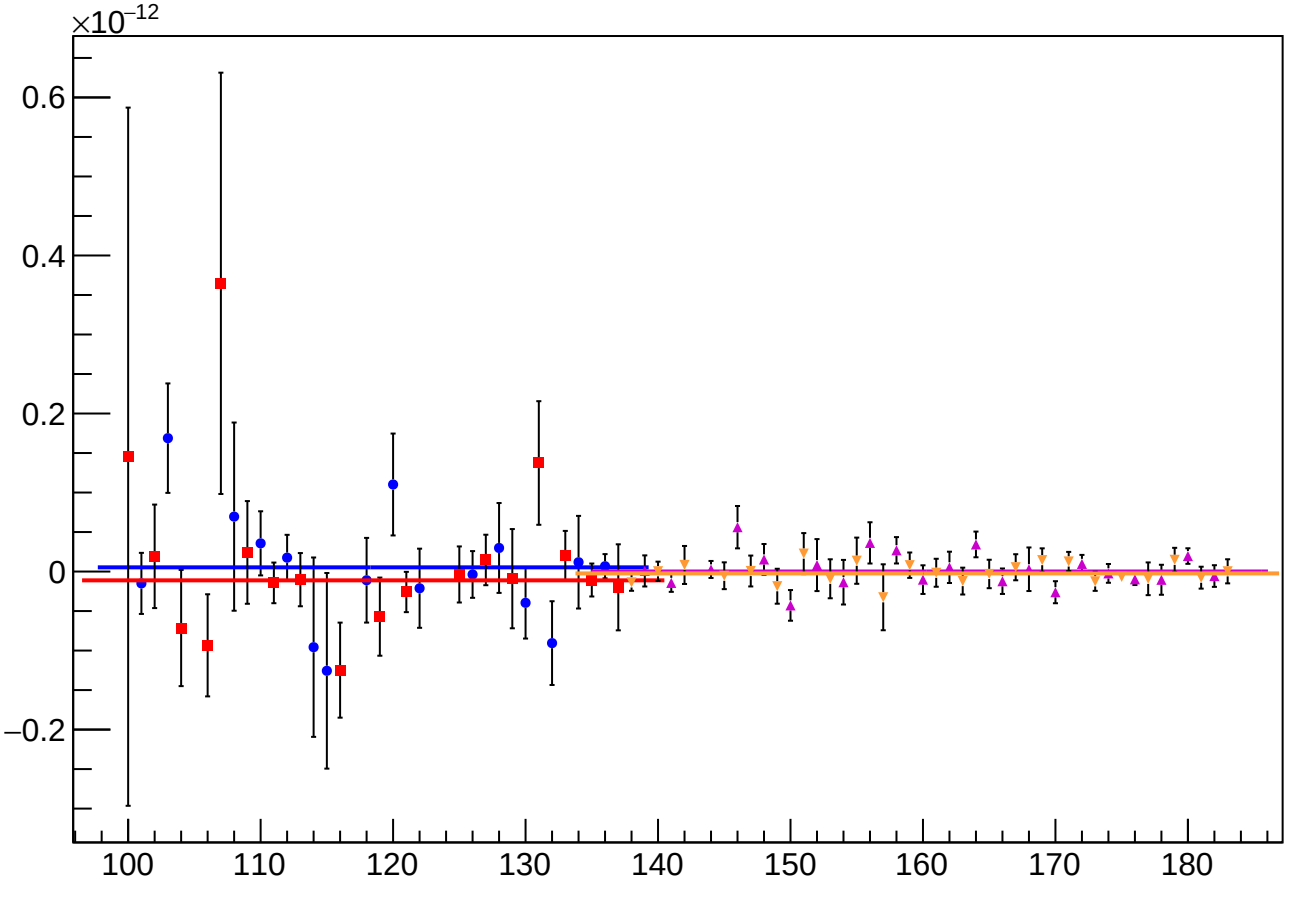
Left: 1181.871+/-0.139 χ^2/NDF: 121595.9/44

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1197.632+/-0.170 χ^2/NDF:863066.3/37

Out: 1197.982+/-0.169 χ^2/NDF:699742.4/40

All: 1197.808+/-0.120 χ^2/NDF: 1562810.9/78



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.4/22

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: 43.0/44

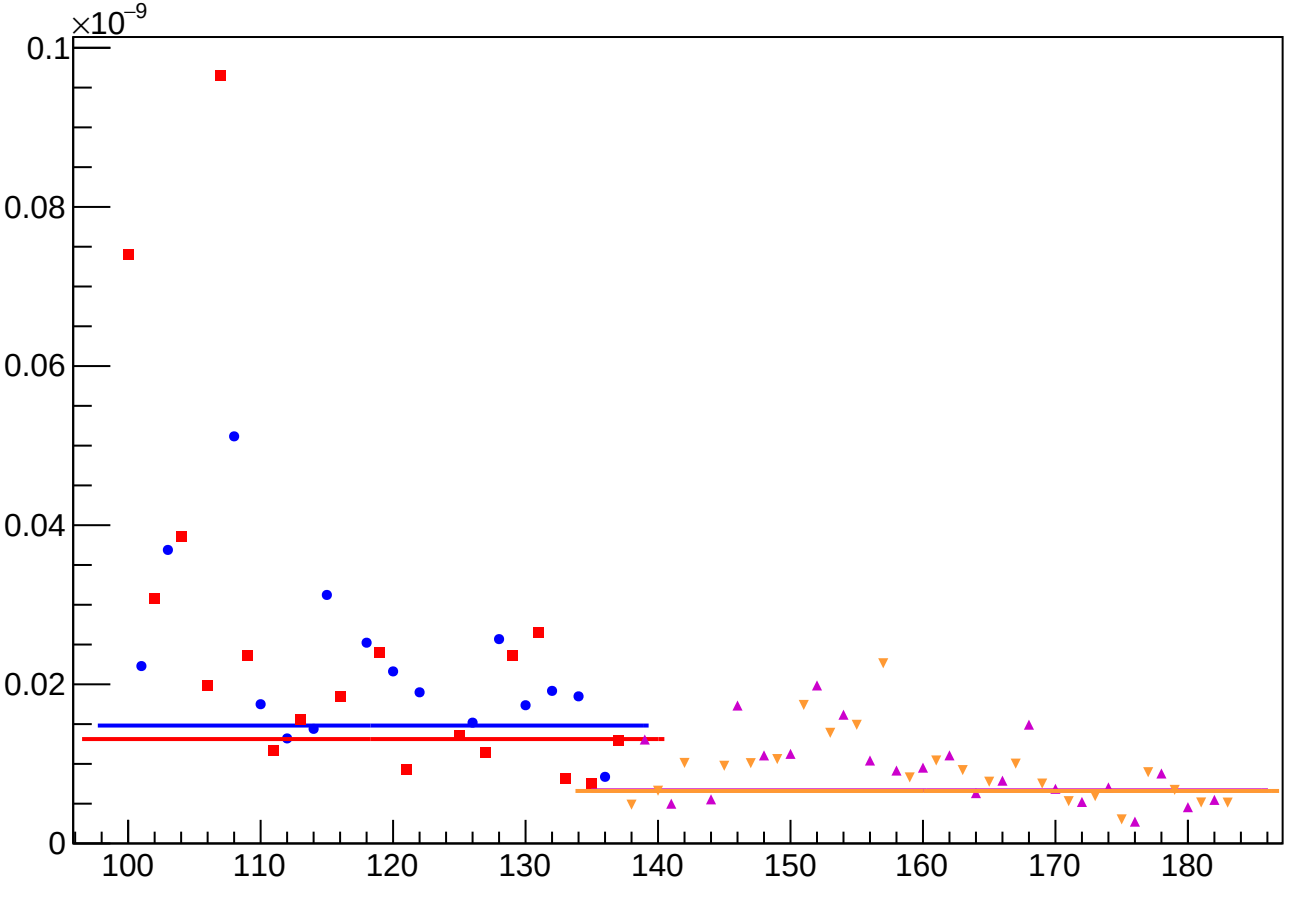
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:49.0/37

Out: -0.000+/-0.000 χ^2/NDF:26.2/40

All: -0.000+/-0.000 χ^2/NDF: 76.0/78

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2303563.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2533466.2/21

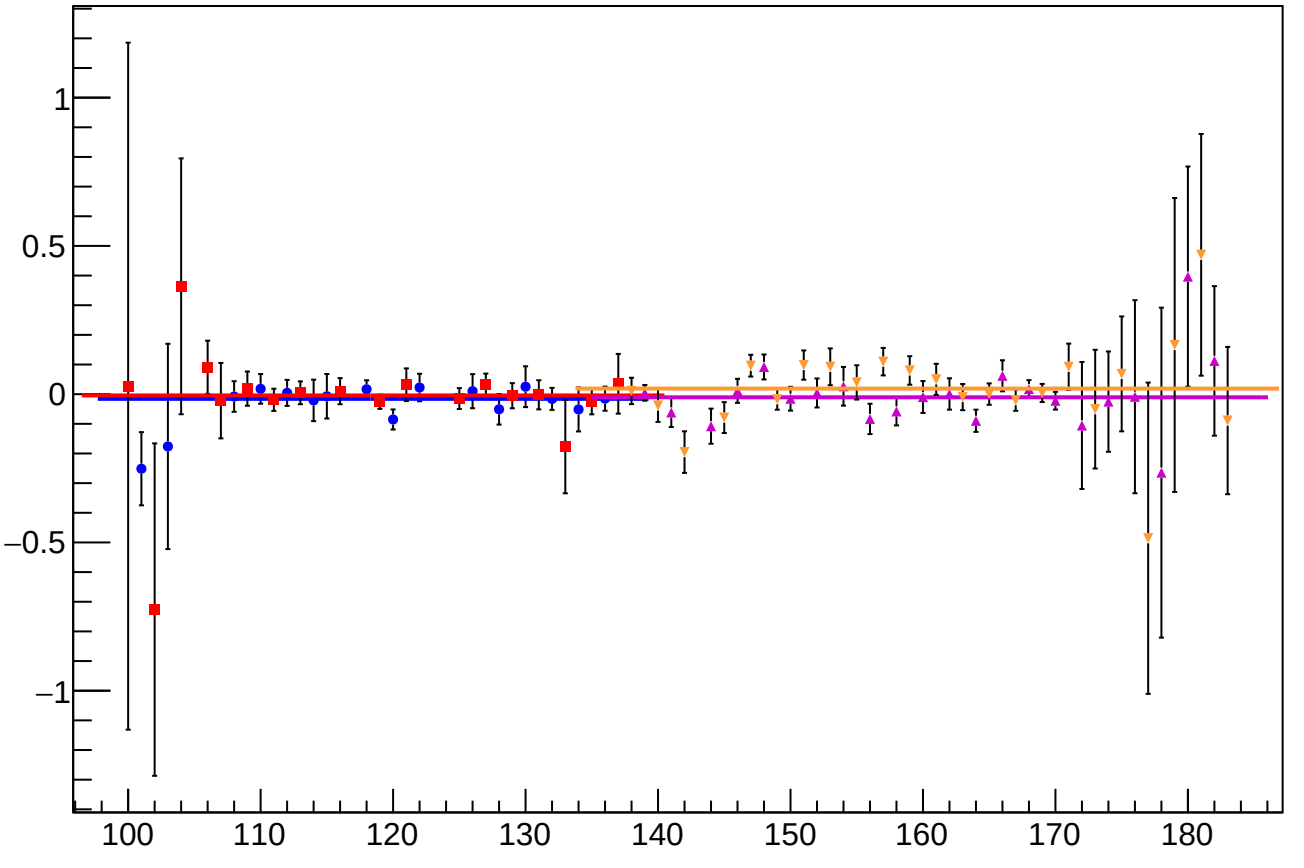
Left: 0.000+/-0.000 χ^2/NDF: 4837724.3/44

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:4361894.7/40

All: 0.000+/-0.000 χ^2/NDF: 9272363.0/78



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.9/22

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: 0.003+/-0.007 χ^2/NDF: 61.9/44

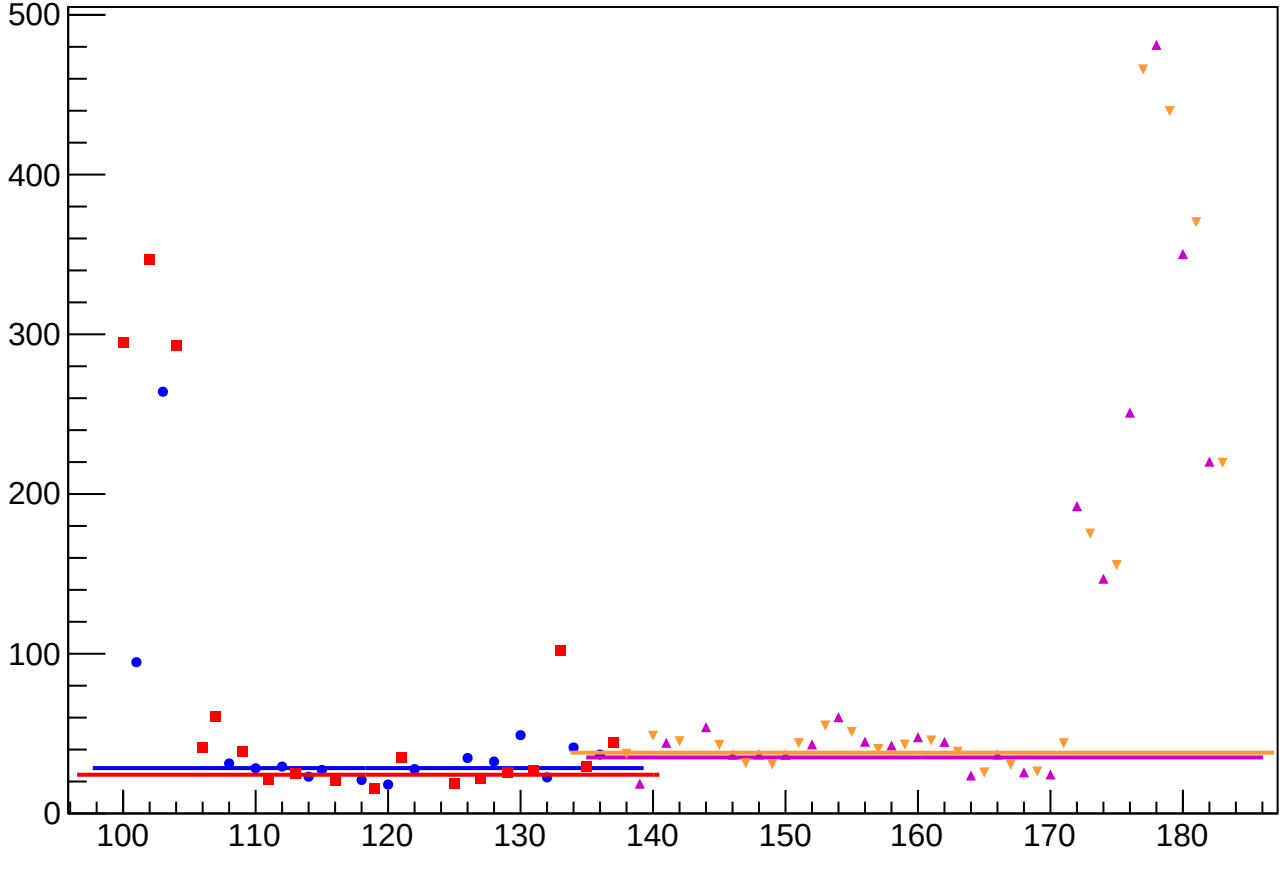
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:35.1/37

Out: 0.008+/-0.008 χ^2/NDF:45.0/40

All: -0.002+/-0.006 χ^2/NDF: 83.5/78

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: 38.082+/-0.008 χ^2/NDF:7961326.0/22

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: 36.498+/-0.005 χ^2/NDF: 17025332.4/44

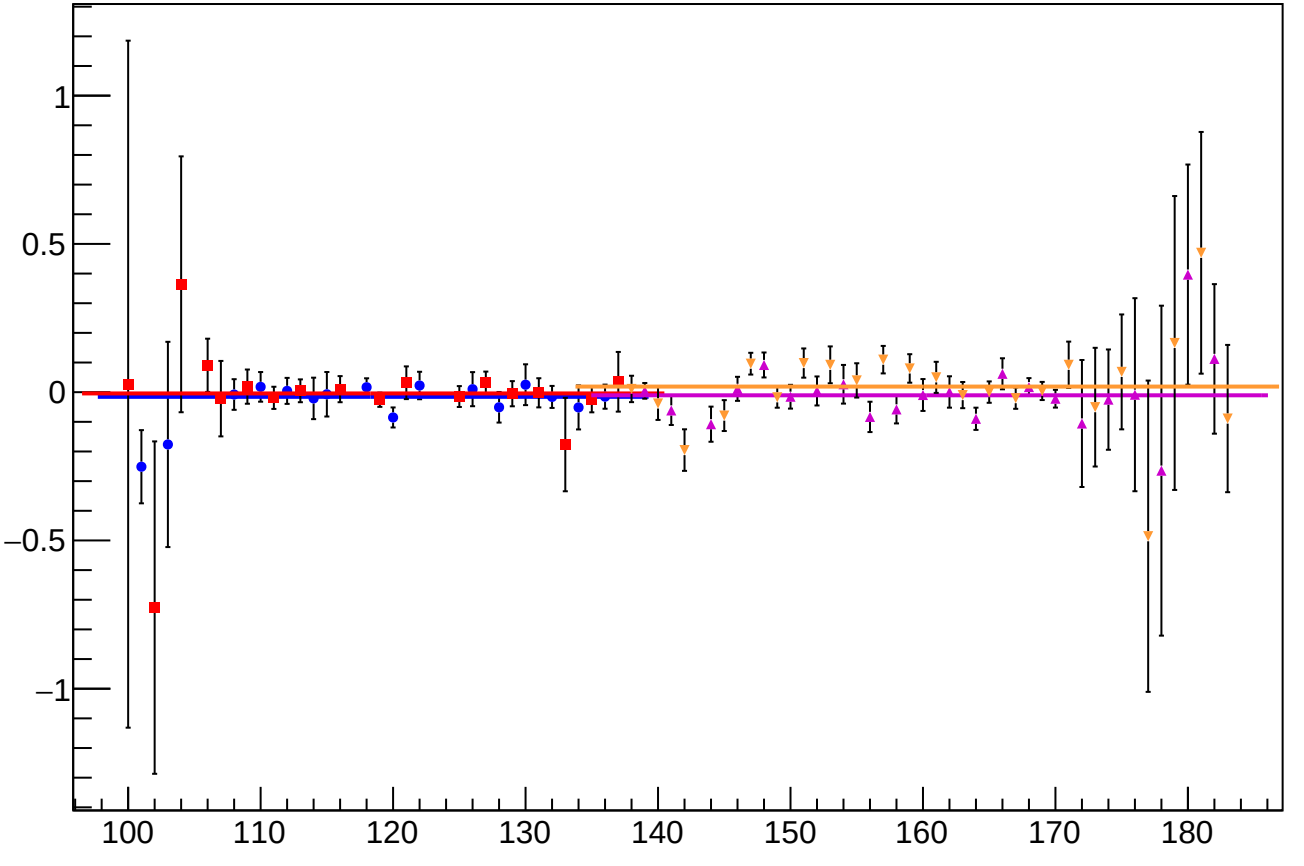
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.338+/-0.006 χ^2/NDF:11573404.4/37

Out: 31.557+/-0.006 χ^2/NDF:12418178.4/40

All: 31.946+/-0.004 χ^2/NDF: 24001426.1/78

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:34.9/22

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: 0.003+/-0.007 χ^2/NDF: 61.9/44

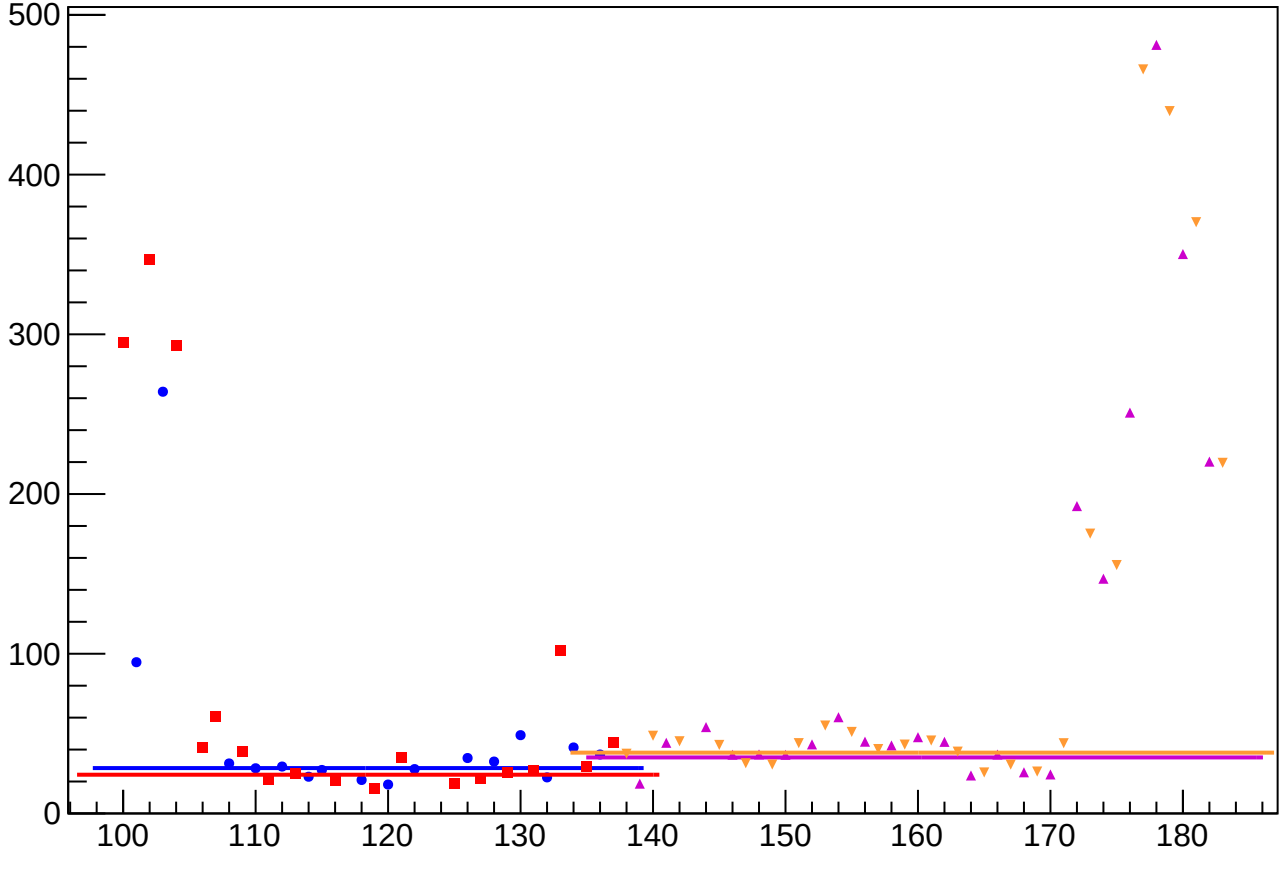
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:35.1/37

Out: 0.008+/-0.008 χ^2/NDF:45.0/40

All: -0.002+/-0.006 χ^2/NDF: 83.5/78

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: 38.082+/-0.008 χ^2/NDF:7961326.0/22

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: 36.498+/-0.005 χ^2/NDF: 17025332.4/44

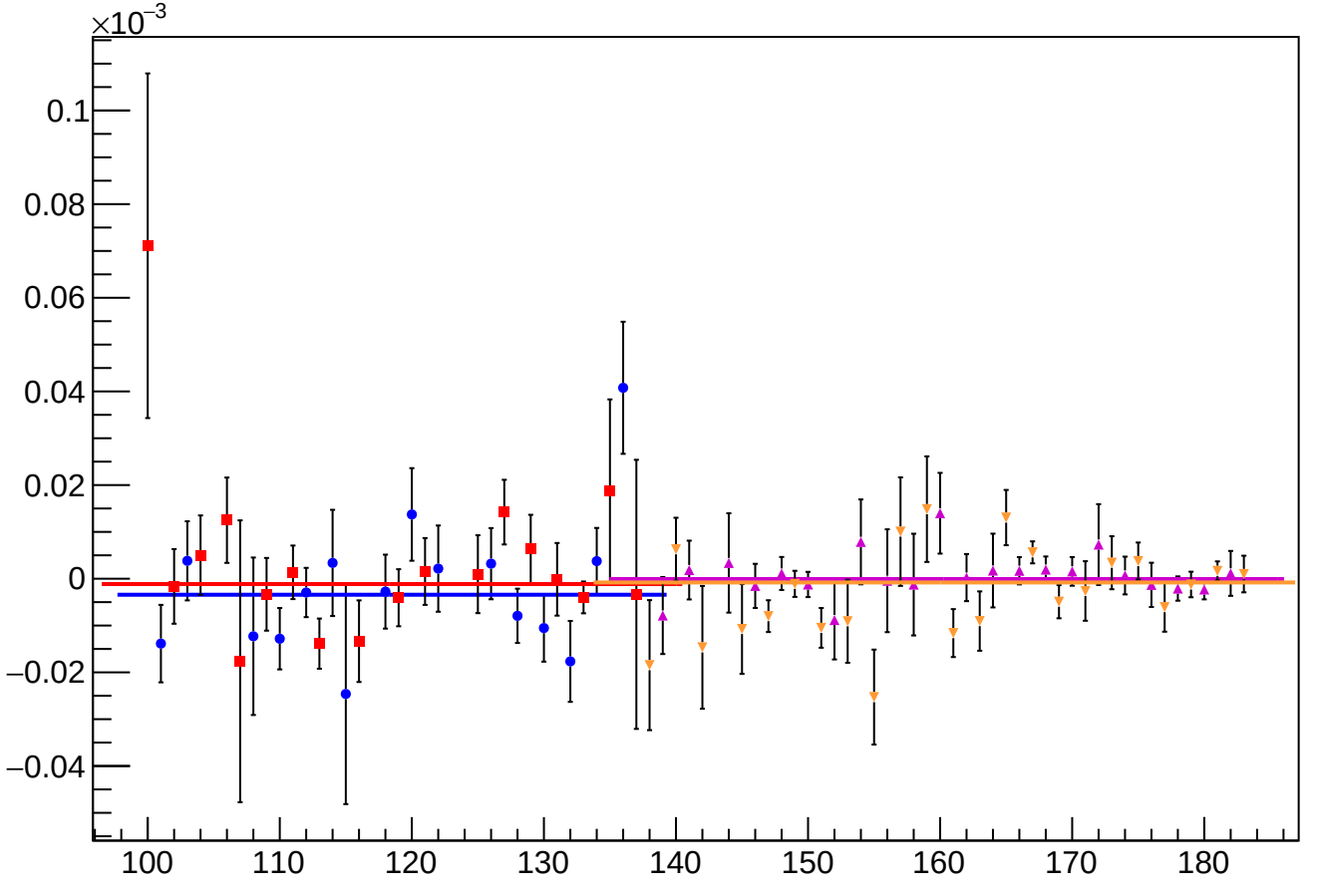
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.338+/-0.006 χ^2/NDF:11573404.4/37

Out: 31.557+/-0.006 χ^2/NDF:12418178.4/40

All: 31.946+/-0.004 χ^2/NDF: 24001426.1/78

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: -0.000+/-0.000 χ^2/NDF:9.9/21

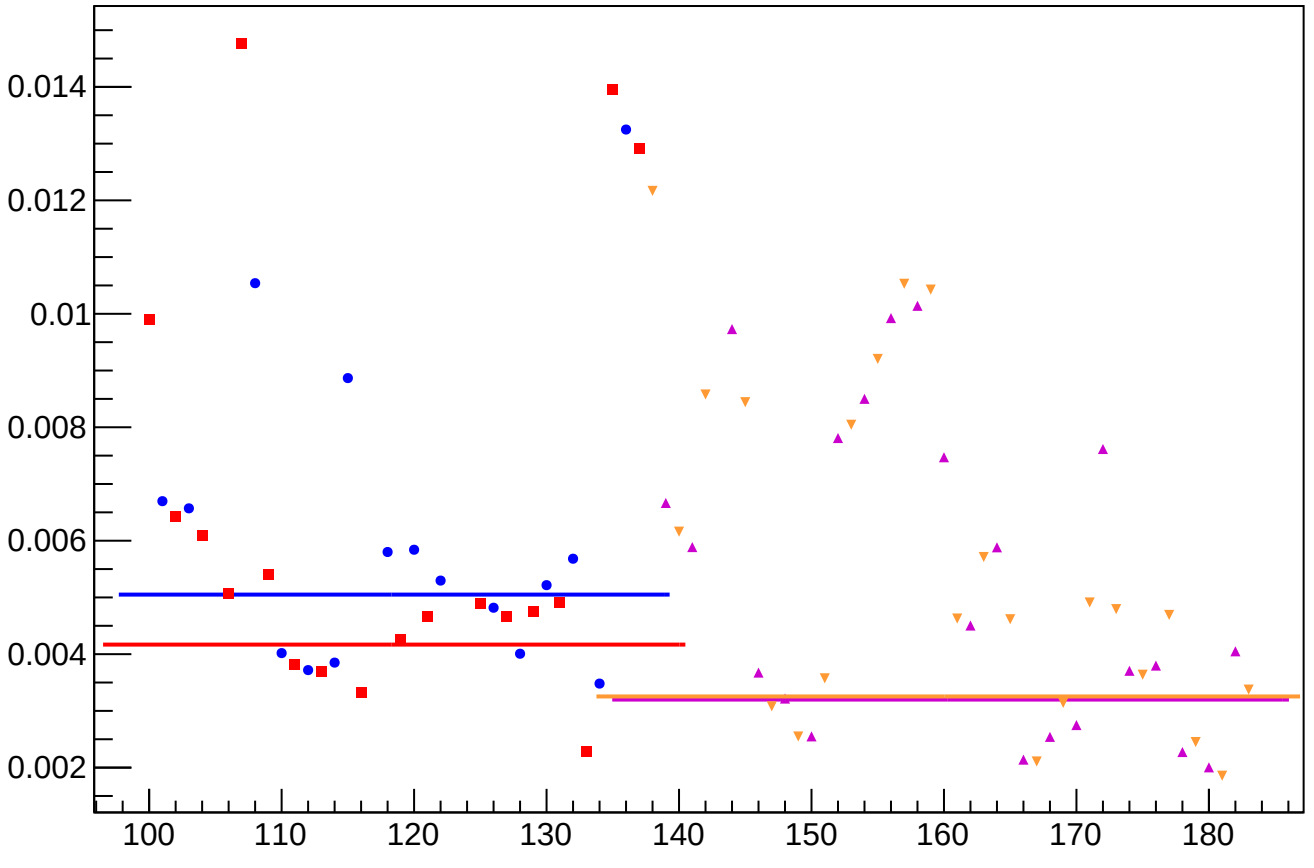
Left: -0.000+/-0.000 χ^2/NDF: 59.6/44

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:37.3/37

Out: -0.000+/-0.000 χ^2/NDF:72.4/40

All: -0.000+/-0.000 χ^2/NDF: 109.7/78



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7730145.9/22

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.003+/-0.000 χ^2/NDF:7288039.3/21

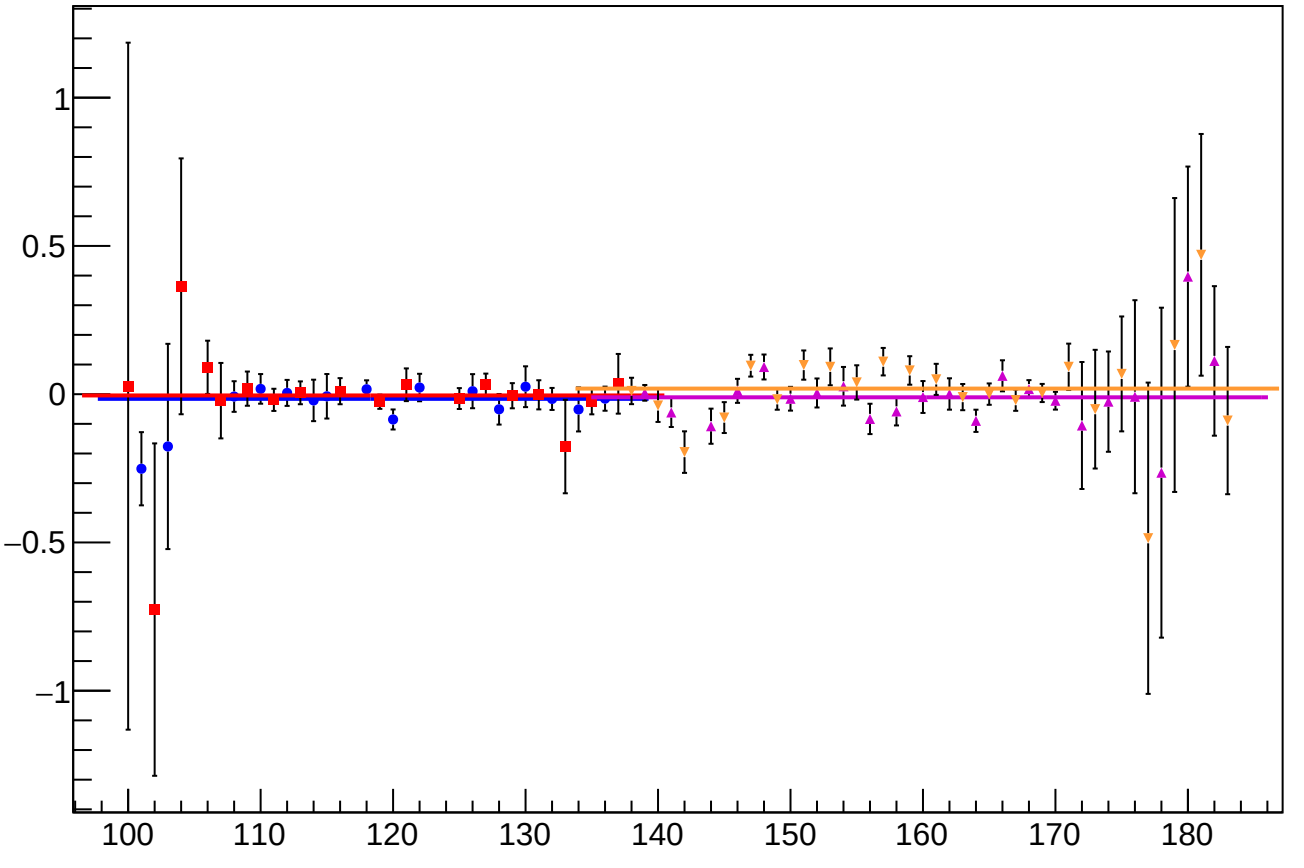
Left: 0.003+/-0.000 χ^2/NDF: 15022113.8/44

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:10229868.0/40

All: 0.003+/-0.000 χ^2/NDF: 20424213.3/78



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.9/22

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: 0.003+/-0.007 χ^2/NDF: 61.9/44

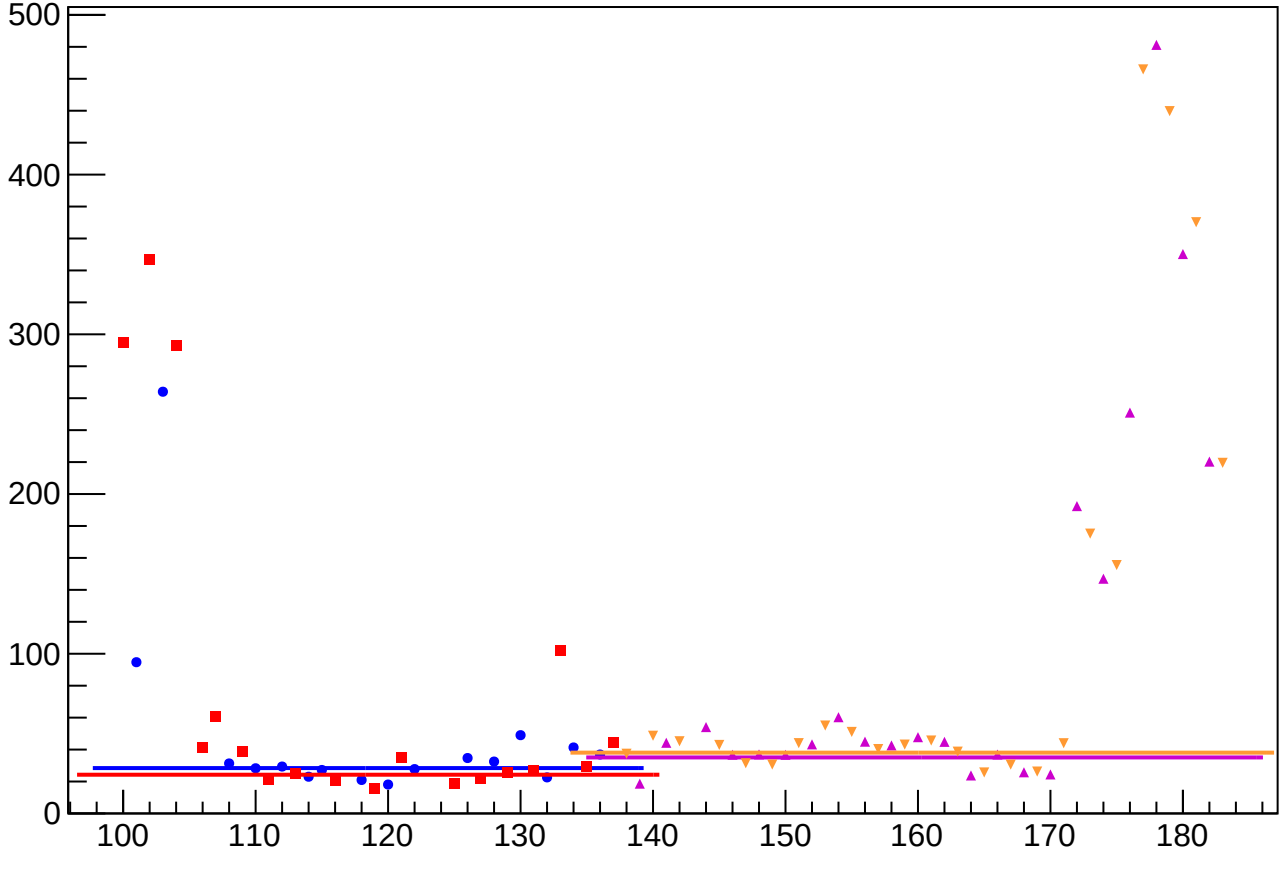
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:35.1/37

Out: 0.008+/-0.008 χ^2/NDF:44.9/40

All: -0.002+/-0.006 χ^2/NDF: 83.5/78

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: 38.081+/-0.008 χ^2/NDF:7961497.6/22

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: 36.498+/-0.005 χ^2/NDF: 17025934.0/44

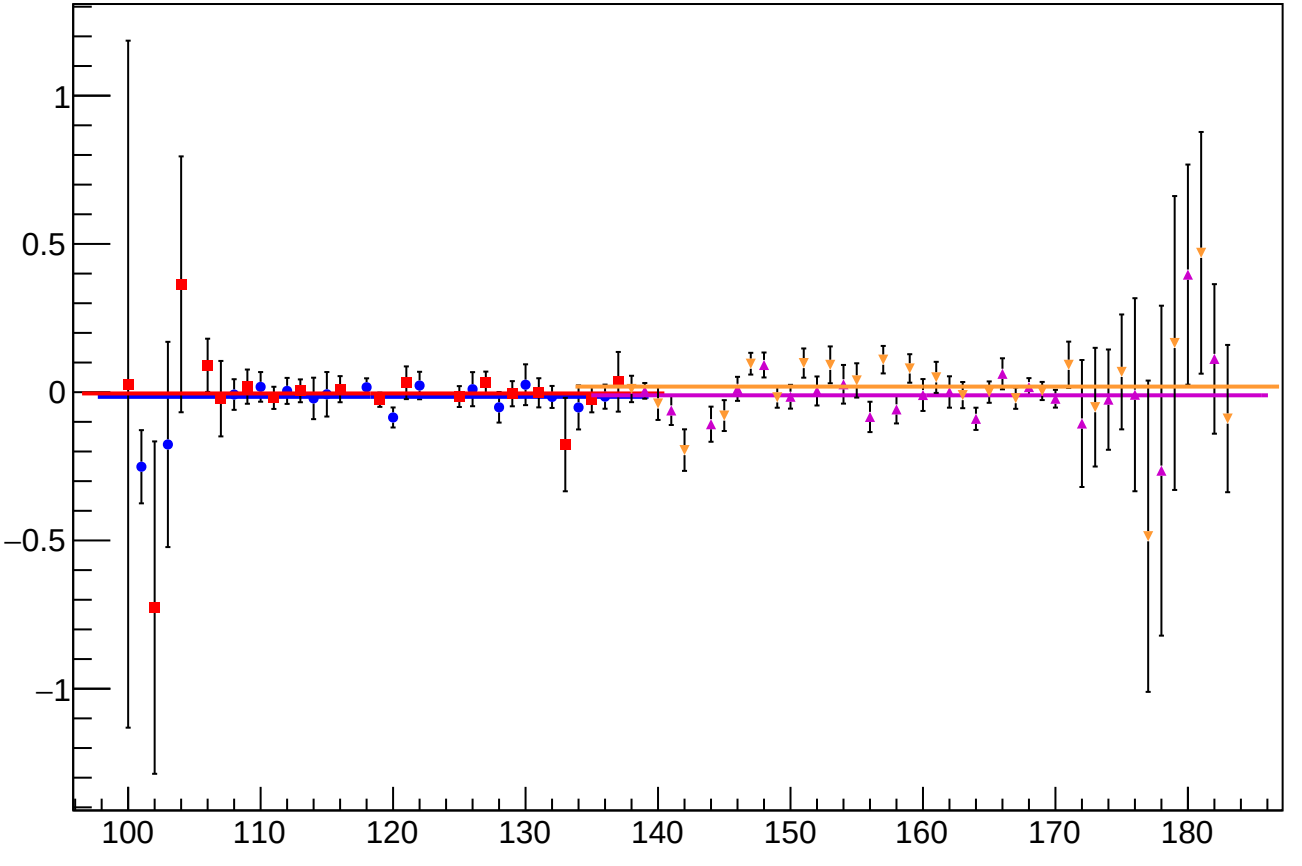
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.338+/-0.006 χ^2/NDF:11573827.1/37

Out: 31.556+/-0.006 χ^2/NDF:12418939.9/40

All: 31.946+/-0.004 χ^2/NDF: 24002636.3/78

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:34.9/22

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: 0.003+/-0.007 χ^2/NDF: 61.9/44

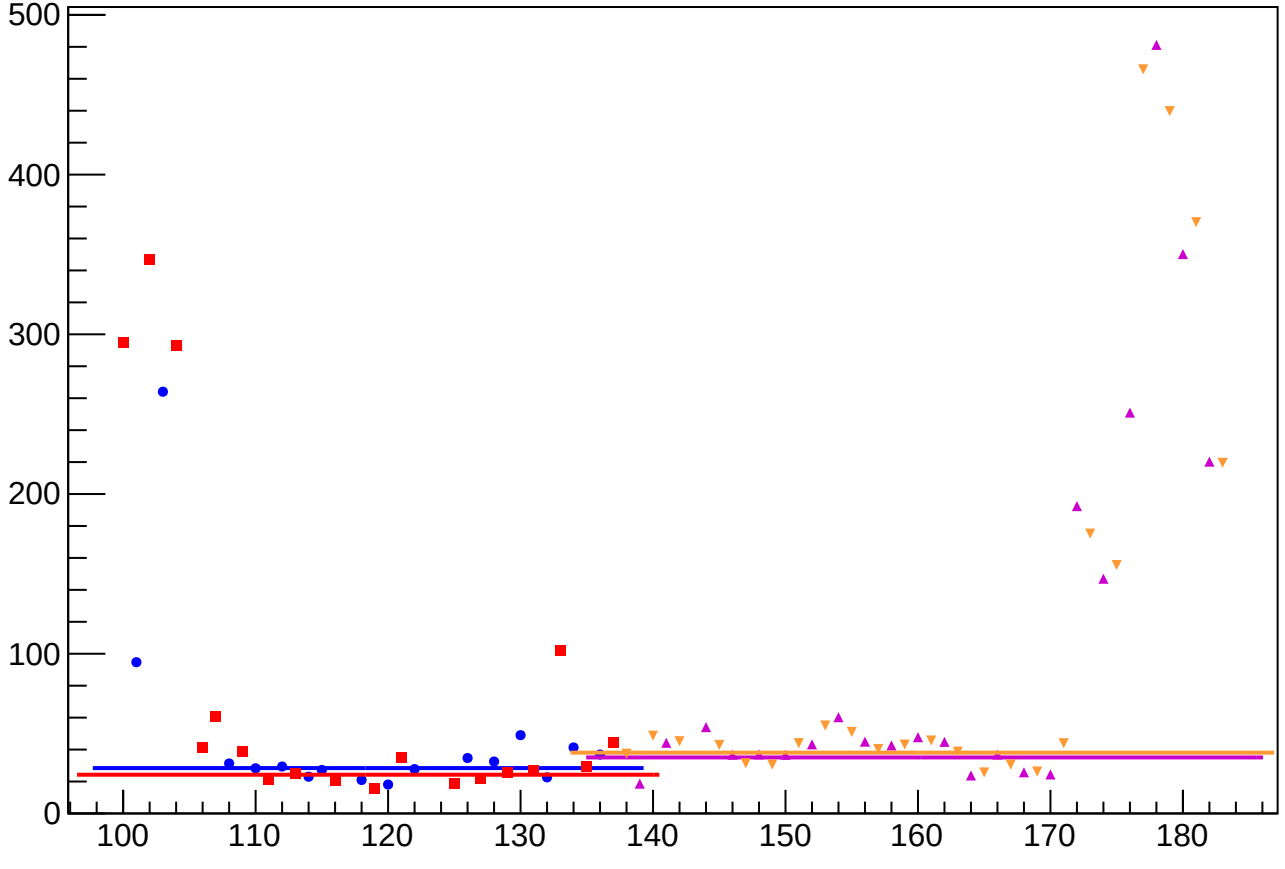
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:35.1/37

Out: 0.008+/-0.008 χ^2/NDF:44.9/40

All: -0.002+/-0.006 χ^2/NDF: 83.5/78

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: 38.081+/-0.008 χ^2/NDF:7961497.6/22

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.070+/-0.007 χ^2/NDF:8982867.9/21

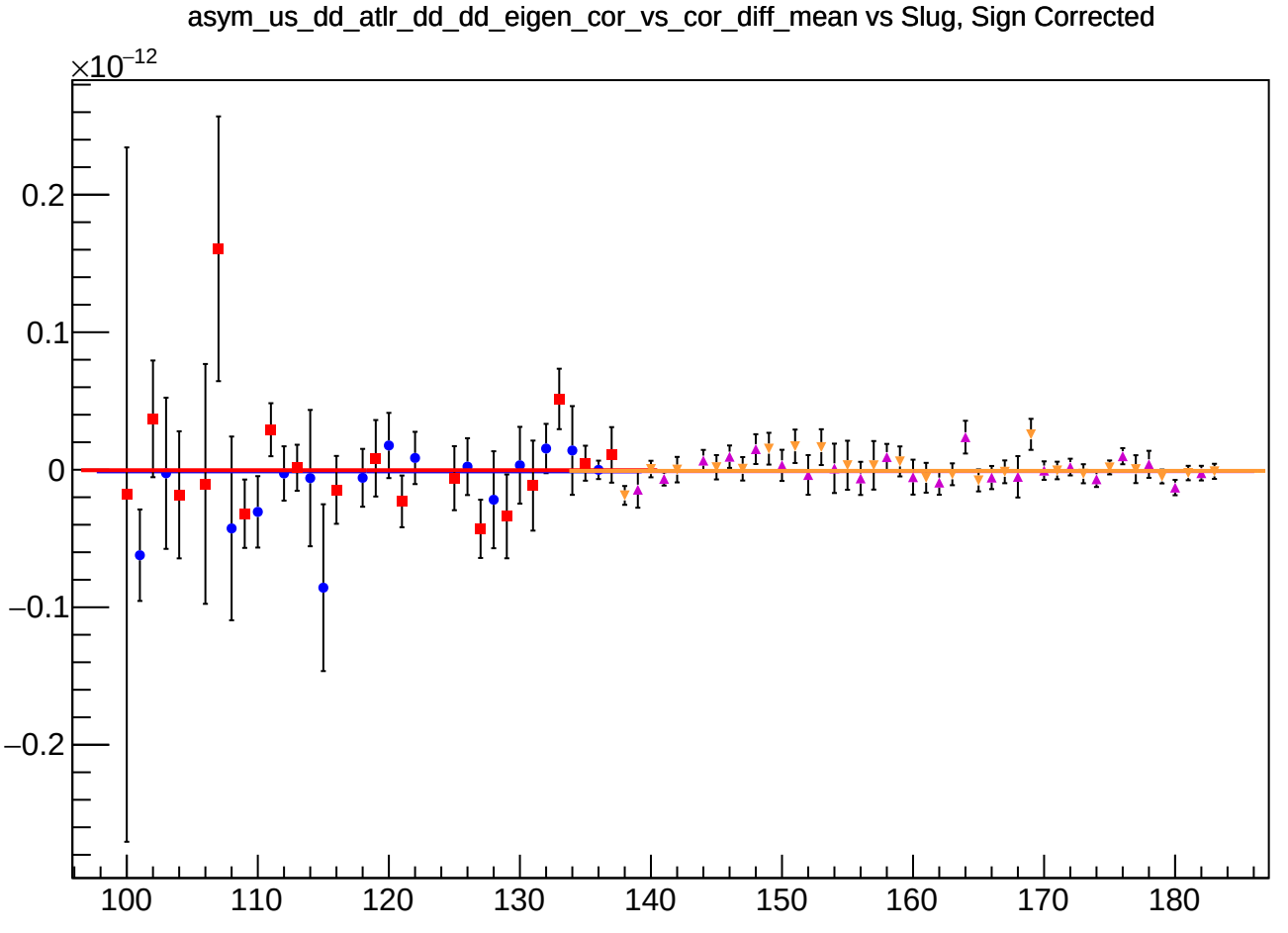
Left: 36.498+/-0.005 χ^2/NDF: 17025934.0/44

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.338+/-0.006 χ^2/NDF:11573827.1/37

Out: 31.556+/-0.006 χ^2/NDF:12418939.9/40

All: 31.946+/-0.004 χ^2/NDF: 24002636.3/78



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/22

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: 45.1/44

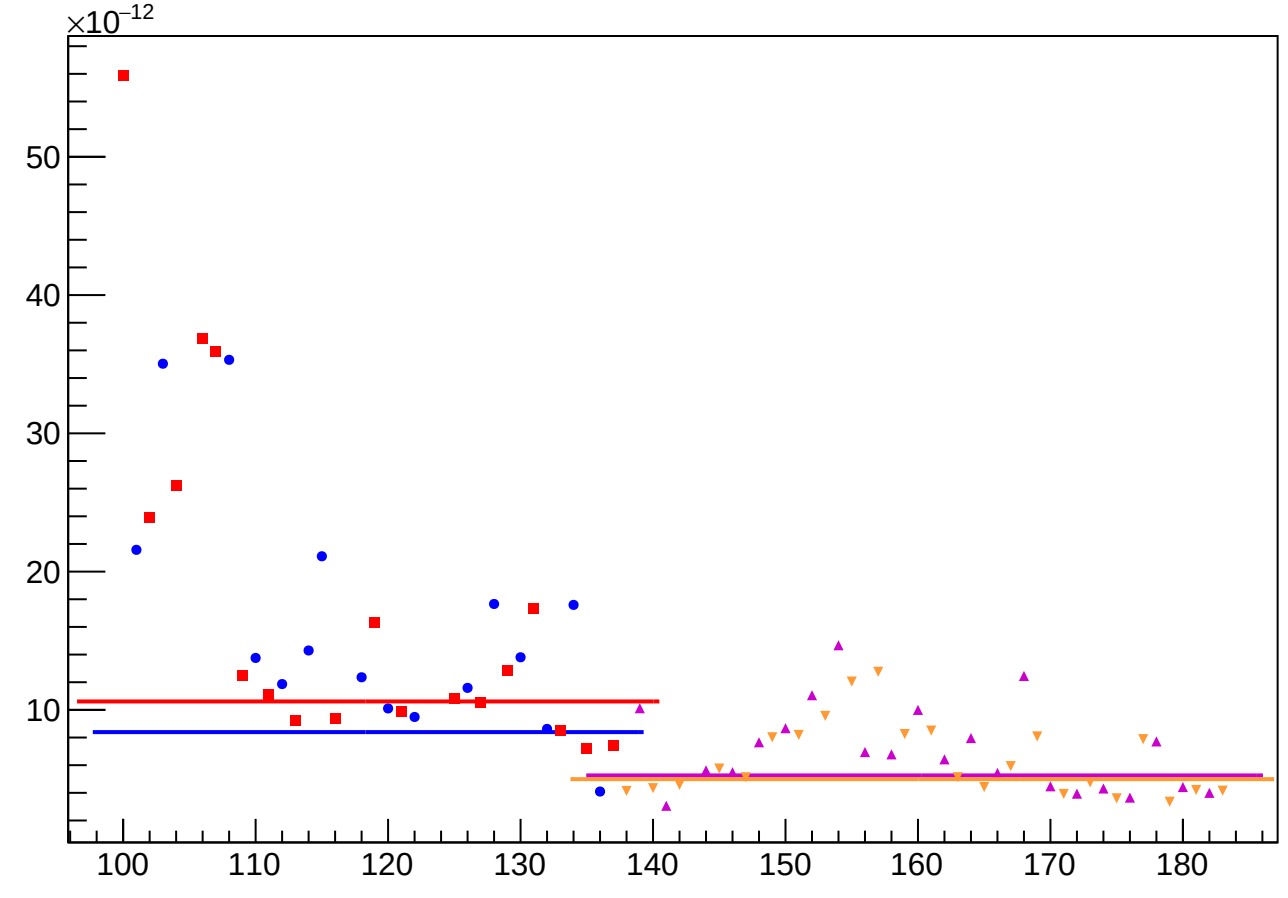
Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: -0.000+/-0.000 χ^2/NDF:33.5/37

Out: -0.000+/-0.000 χ^2/NDF:42.1/40

All: -0.000+/-0.000 χ^2/NDF: 75.6/78

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2545628.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:3412380.4/21

Left: 0.000+/-0.000 χ^2/NDF: 5984757.8/44

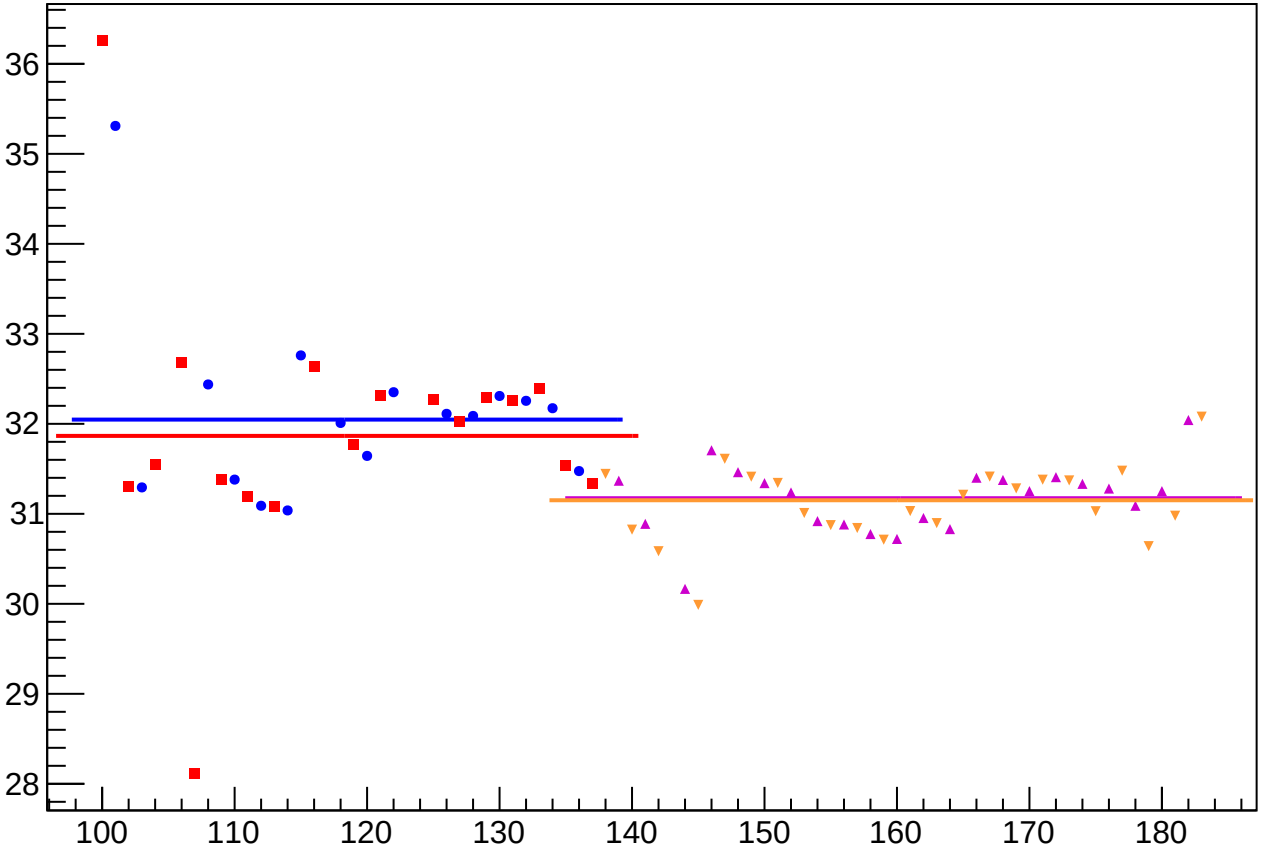
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:6887688.8/37

Out: 0.000+/-0.000 χ^2/NDF:5630865.9/40

All: 0.000+/-0.000 χ^2/NDF: 12533193.8/78

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.151+/-0.000 χ^2/NDF:428925377.7/22

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: 31.162+/-0.000 χ^2/NDF: 797966336.7/44

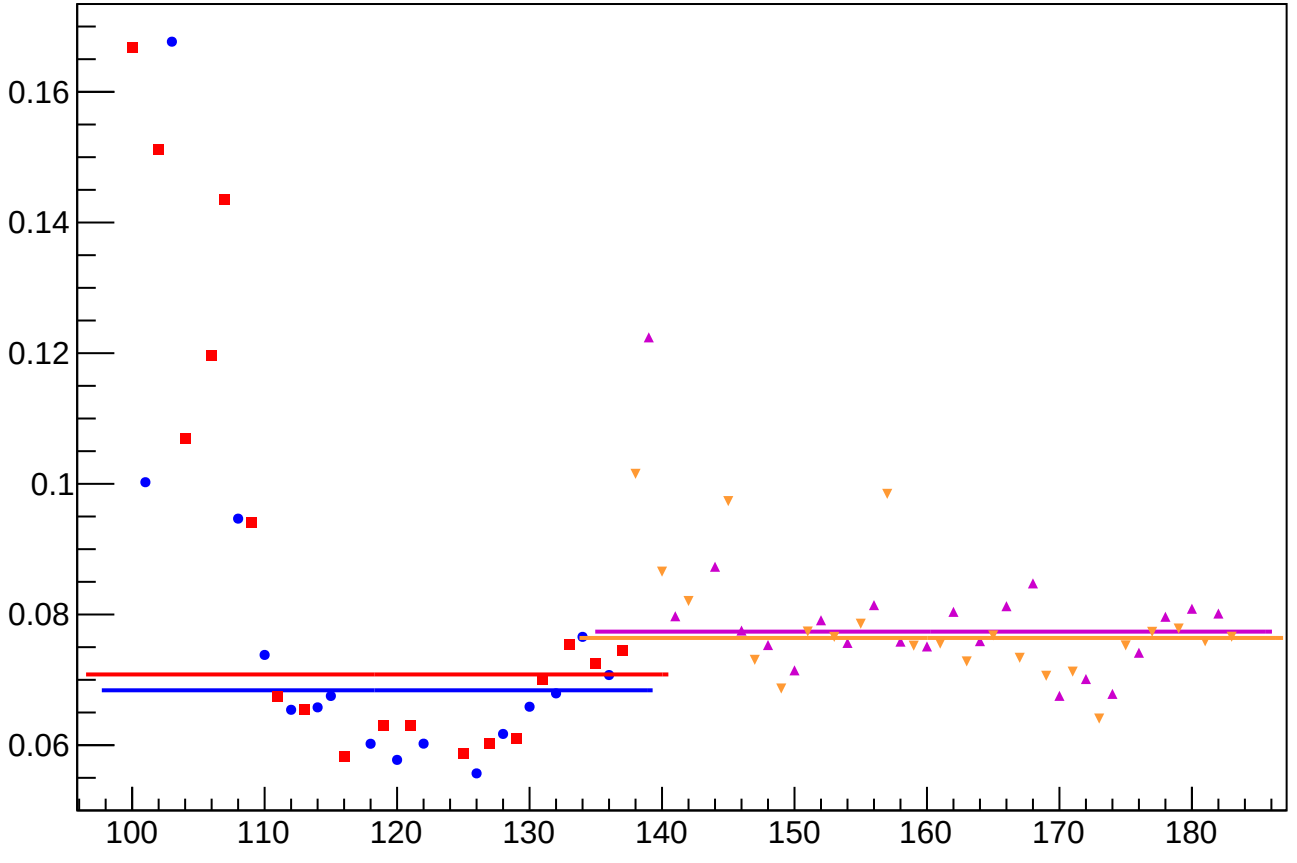
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.462+/-0.000 χ^2/NDF:1951065383.4/37

Out: 31.369+/-0.000 χ^2/NDF:1355989524.0/40

All: 31.415+/-0.000 χ^2/NDF: 3324476194.9/7

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:352486.0/22

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: 715324.9/44

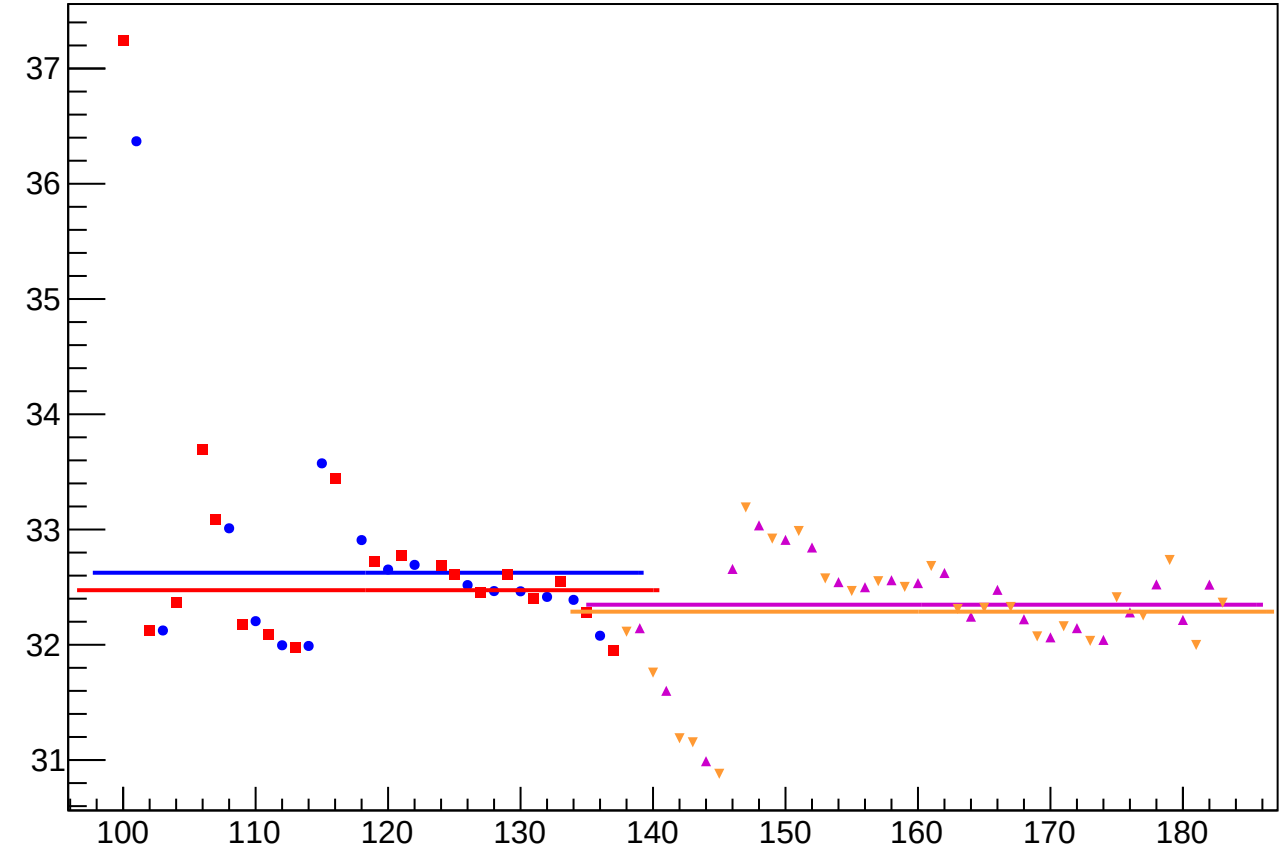
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1208035.1/37

Out: 0.075+/-0.000 χ^2/NDF:1274543.7/40

All: 0.075+/-0.000 χ^2/NDF: 2482919.1/78

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.287+/-0.000 χ^2/NDF:834467212.3/23

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: 32.317+/-0.000 χ^2/NDF: 1426213517.1/45

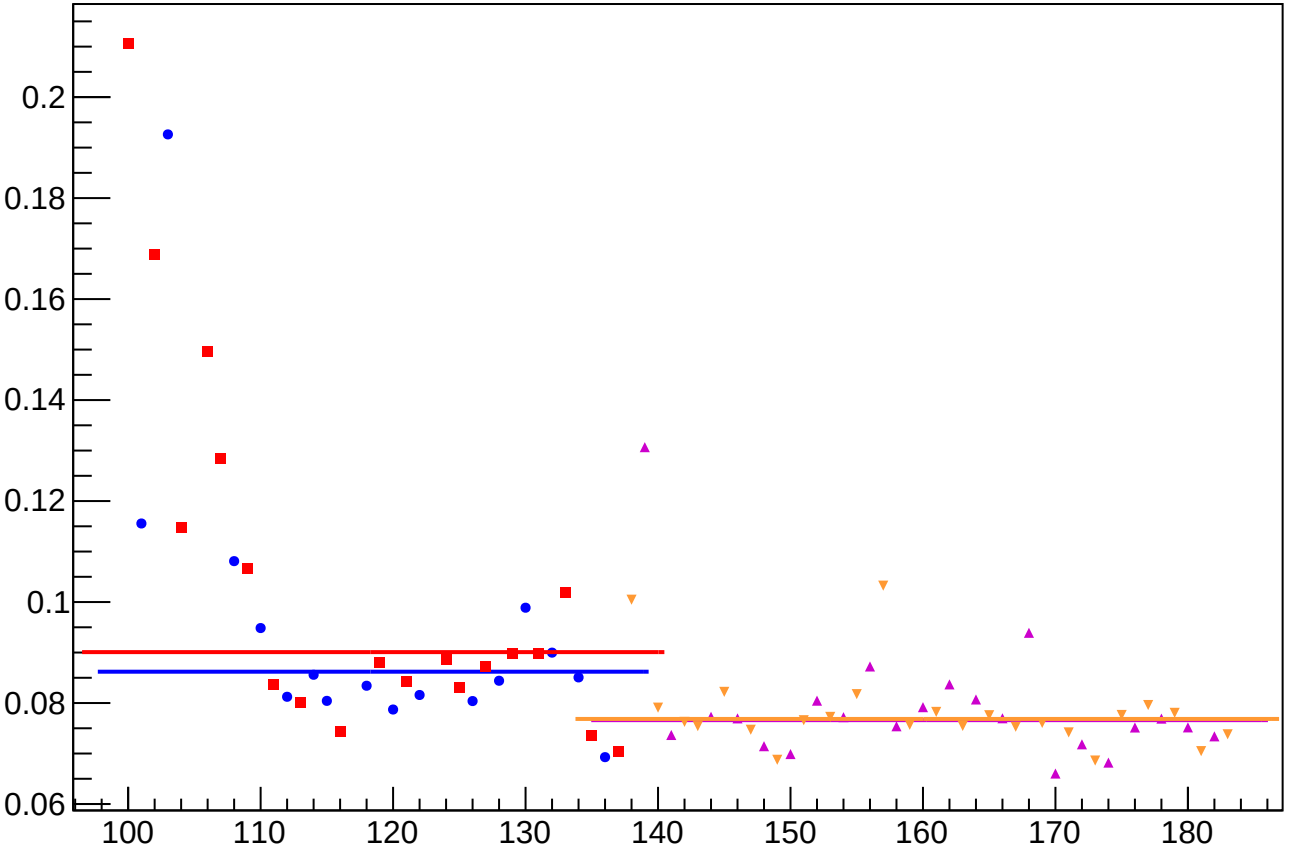
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.412+/-0.000 χ^2/NDF:1375629935.1/37

Out: 32.327+/-0.000 χ^2/NDF:1012968387.2/42

All: 32.369+/-0.000 χ^2/NDF: 2401909538.2/8

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:248357.6/23

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: 725137.0/45

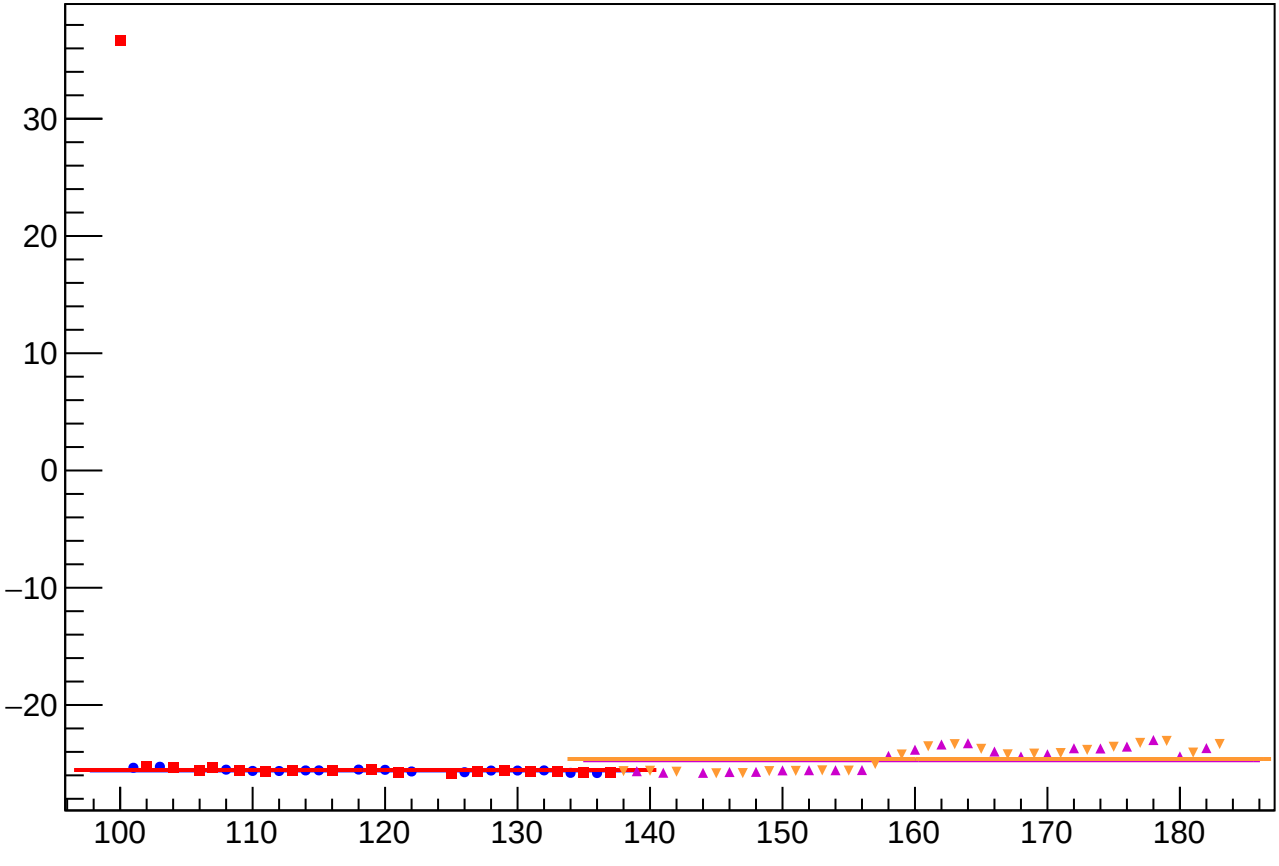
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.079+/-0.000 χ^2/NDF:1195024.1/37

Out: 0.080+/-0.000 χ^2/NDF:1089373.8/42

All: 0.079+/-0.000 χ^2/NDF: 2286978.4/80

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.606+/-0.000 χ^2/NDF:8919507350.2/22

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: -24.659+/-0.000 χ^2/NDF: 17432247411.8/44

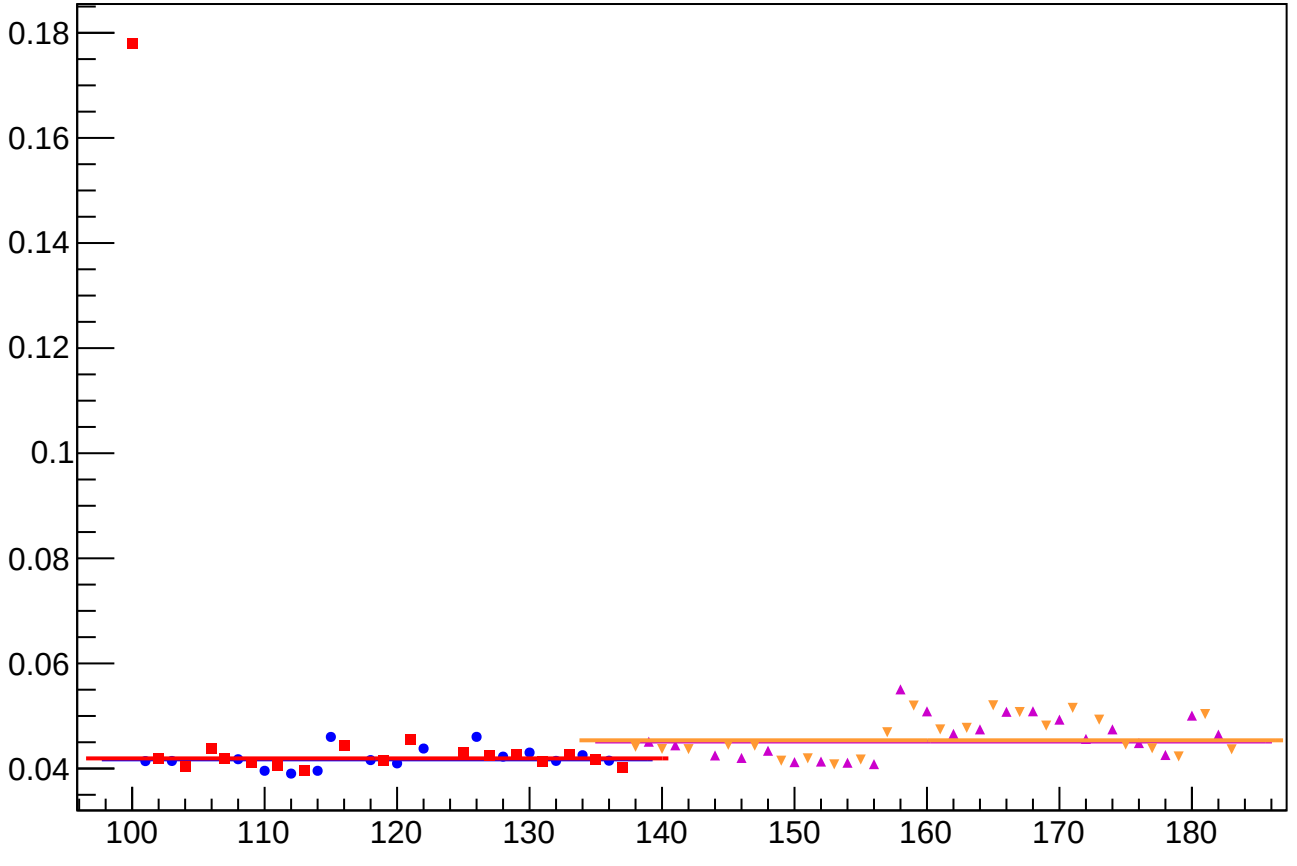
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -24.993+/-0.000 χ^2/NDF:10648957611.2/37

Out: -24.909+/-0.000 χ^2/NDF:20276505805.9/40

All: -24.951+/-0.000 χ^2/NDF: 30969991292.2

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:203752.7/22

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: 444407.2/44

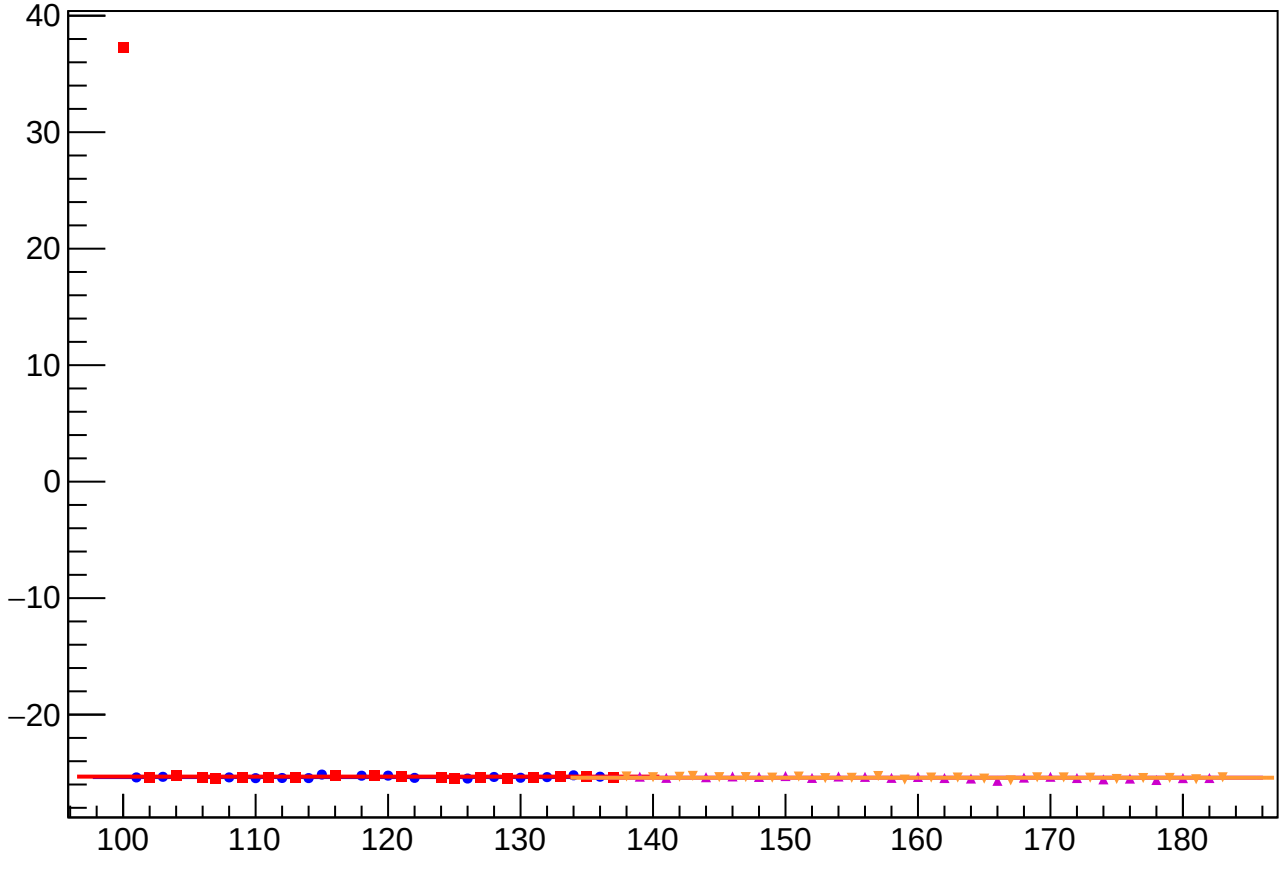
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.044+/-0.000 χ^2/NDF:325128.1/37

Out: 0.044+/-0.000 χ^2/NDF:369866.0/40

All: 0.044+/-0.000 χ^2/NDF: 695557.3/78

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.418+/-0.000 χ^2/NDF:51534760.9/23

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: -25.417+/-0.000 χ^2/NDF: 106657250.9/45

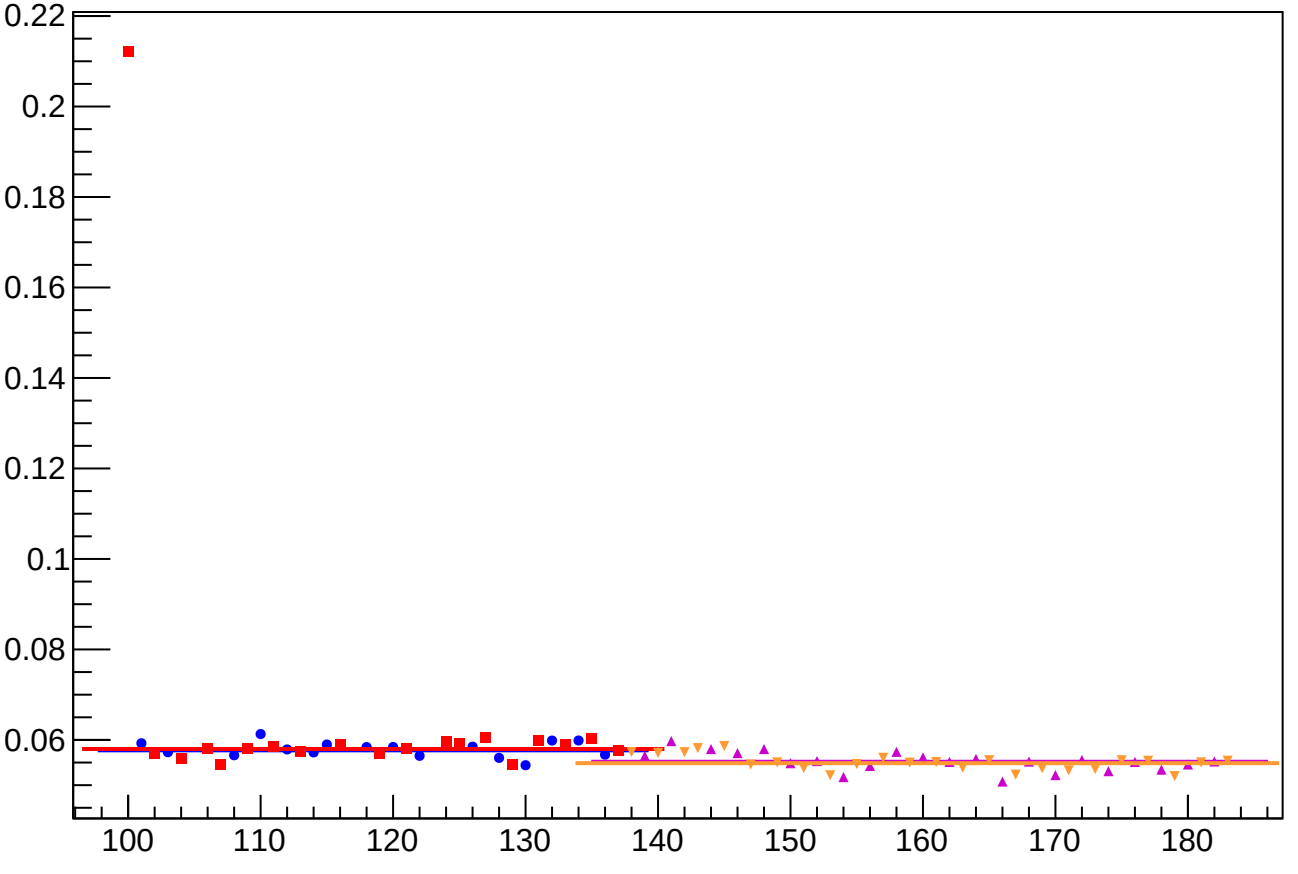
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.401+/-0.000 χ^2/NDF:73127512.9/37

Out: -25.393+/-0.000 χ^2/NDF:6381105669.5/42

All: -25.397+/-0.000 χ^2/NDF: 6454473477.9/

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:36769.3/23

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:49279.4/21

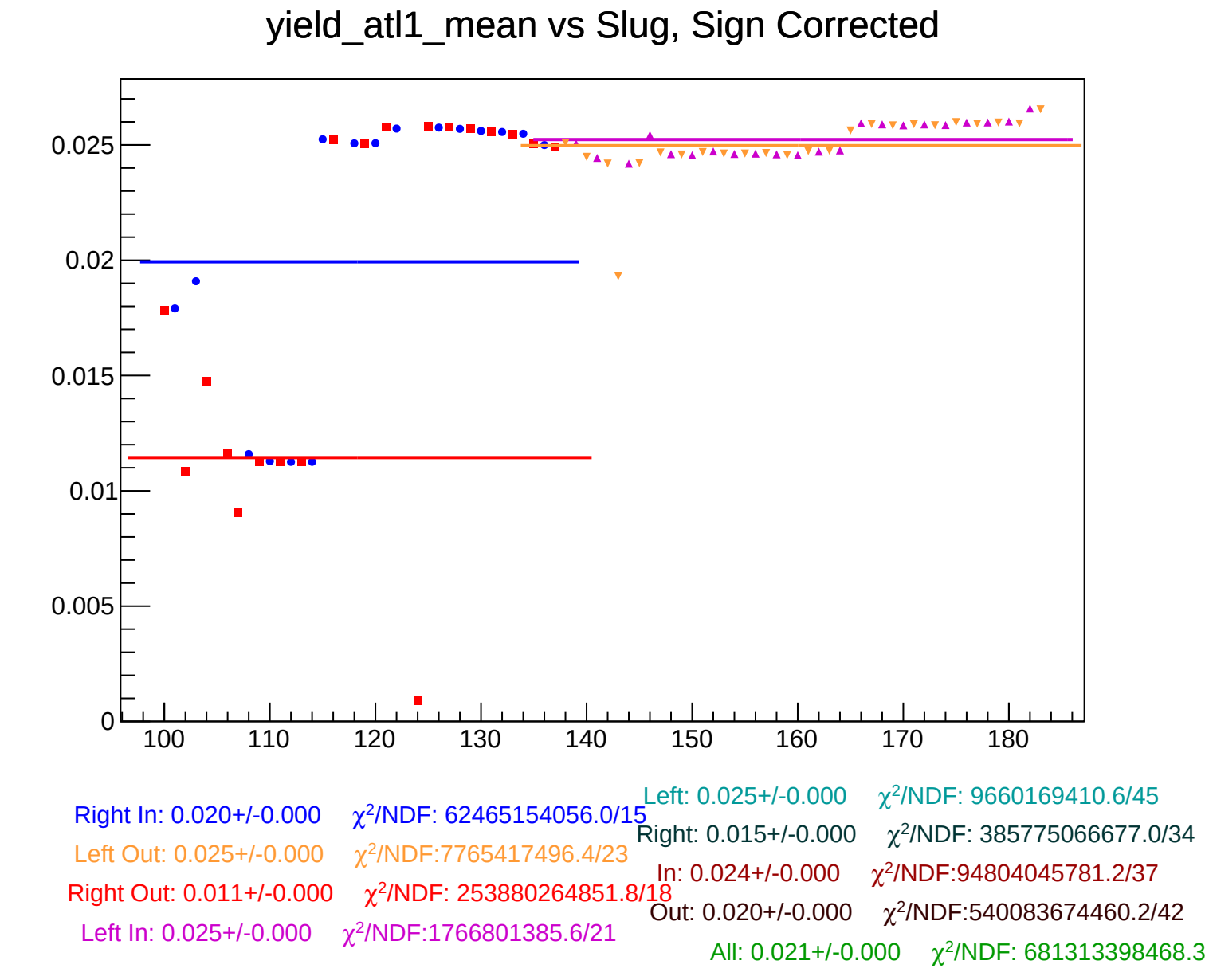
Left: 0.055+/-0.000 χ^2/NDF: 86612.8/45

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

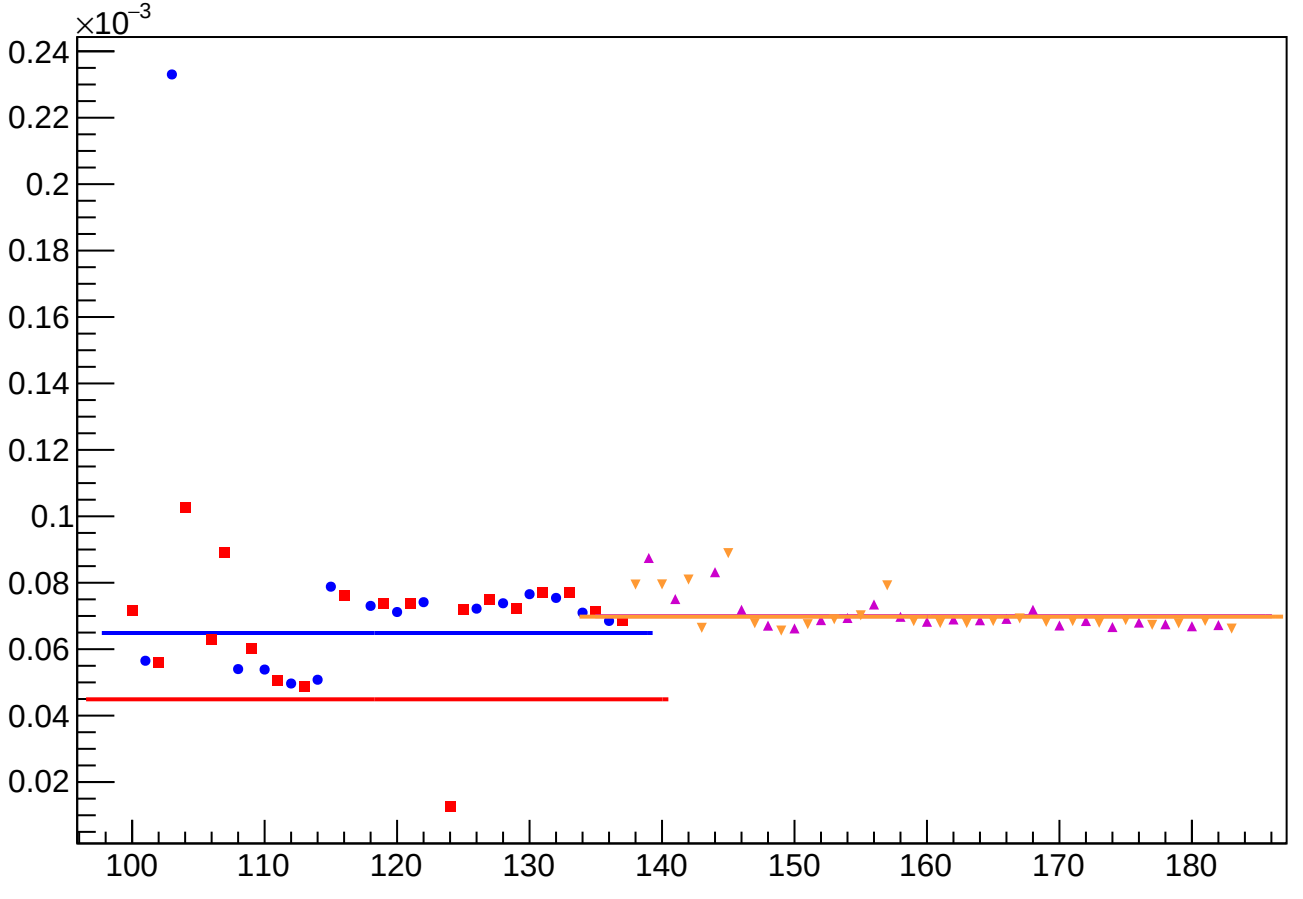
In: 0.056+/-0.000 χ^2/NDF:80674.0/37

Out: 0.056+/-0.000 χ^2/NDF:156691.0/42

All: 0.056+/-0.000 χ^2/NDF: 237606.6/80


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
Right In: 0.020+/-0.000 χ²/NDF: 62465154056.0/15
Left Out: 0.025+/-0.000 χ²/NDF:7765417496.4/23
Right Out: 0.011+/-0.000 χ²/NDF: 253880264851.8/18
Left In: 0.025+/-0.000 χ²/NDF:1766801385.6/21
Left: 0.025+/-0.000 χ²/NDF: 9660169410.6/45
Right: 0.015+/-0.000 χ²/NDF: 385775066677.0/34
In: 0.024+/-0.000 χ²/NDF:94804045781.2/37
Out: 0.020+/-0.000 χ²/NDF:540083674460.2/42
All: 0.021+/-0.000 χ²/NDF: 681313398468.3

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:185952.5/23

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: 336814.3/45

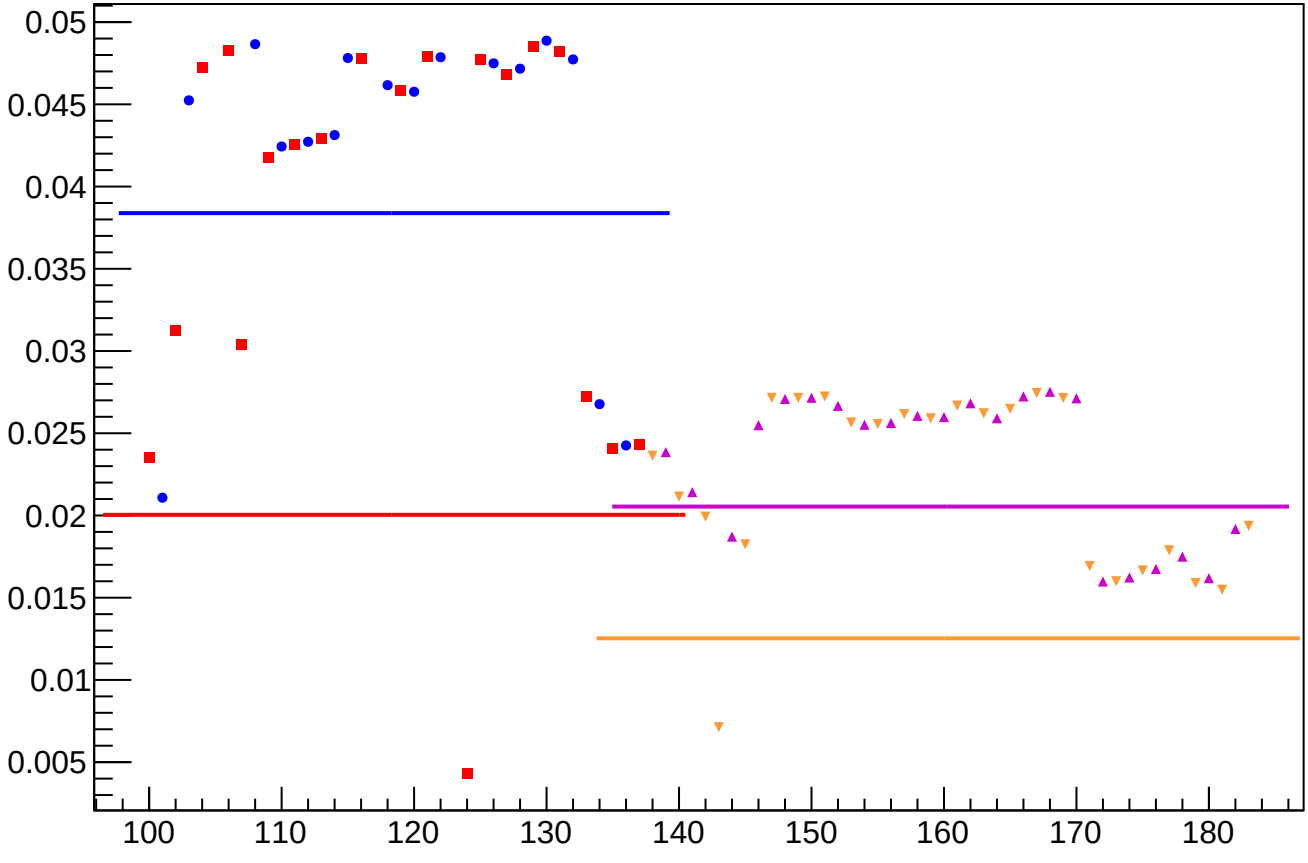
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1023412.9/37

Out: 0.000+/-0.000 χ^2/NDF:5840727.1/42

All: 0.000+/-0.000 χ^2/NDF: 7275143.0/80

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:36970001164.3/23

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.021+/-0.000 χ^2/NDF:6068152867.4/21

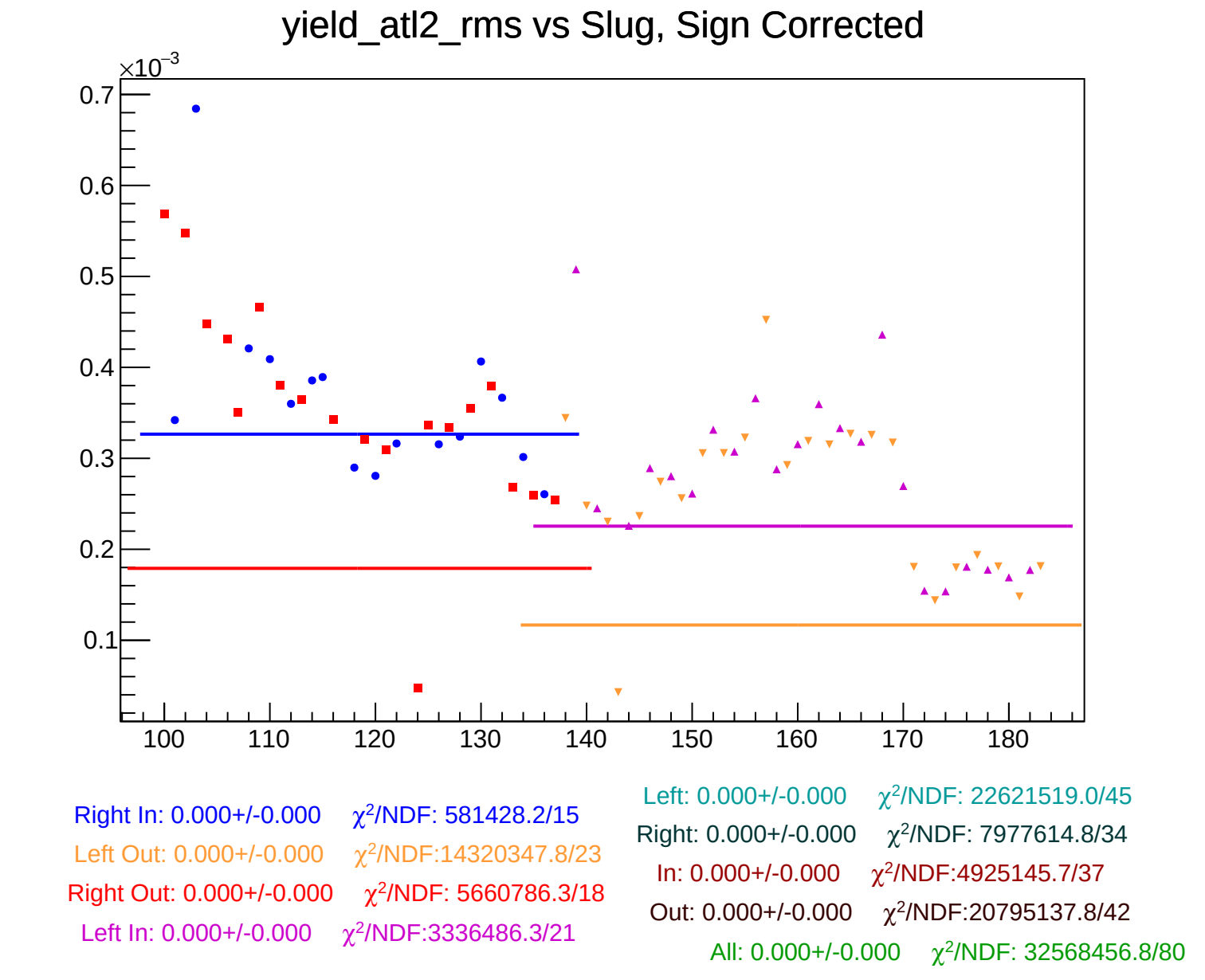
Left: 0.015+/-0.000 χ^2/NDF: 56525505479.7/45

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

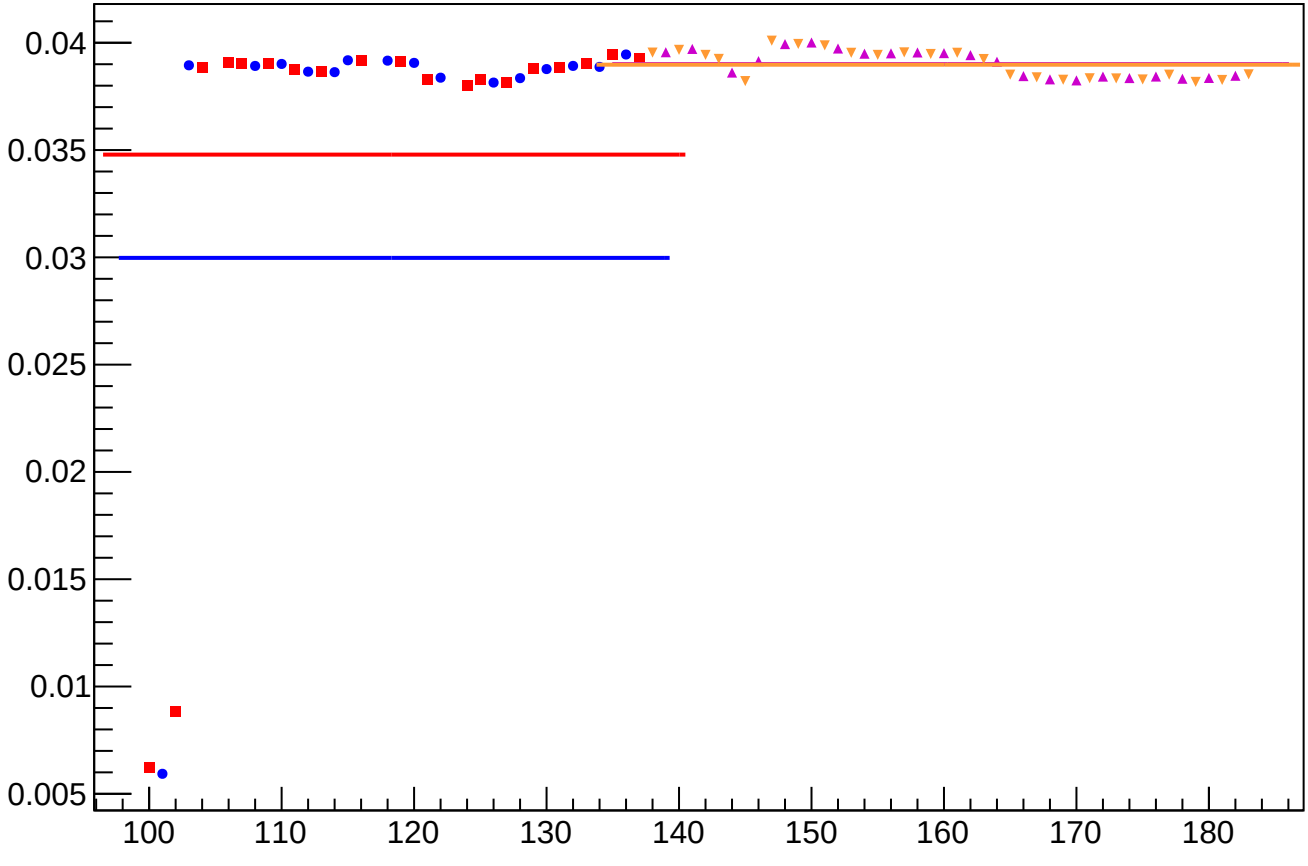
In: 0.024+/-0.000 χ^2/NDF:28824482937.5/37

Out: 0.014+/-0.000 χ^2/NDF:85071681458.8/42

All: 0.016+/-0.000 χ^2/NDF: 138726561696.3


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
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: 581428.2/15
Left Out: 0.000+/-0.000 χ²/NDF:14320347.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 5660786.3/18
Left In: 0.000+/-0.000 χ²/NDF:3336486.3/21
Left: 0.000+/-0.000 χ²/NDF: 22621519.0/45
Right: 0.000+/-0.000 χ²/NDF: 7977614.8/34
In: 0.000+/-0.000 χ²/NDF:4925145.7/37
Out: 0.000+/-0.000 χ²/NDF:20795137.8/42
All: 0.000+/-0.000 χ²/NDF: 32568456.8/80

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:475732069.6/23

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:402497297.6/21

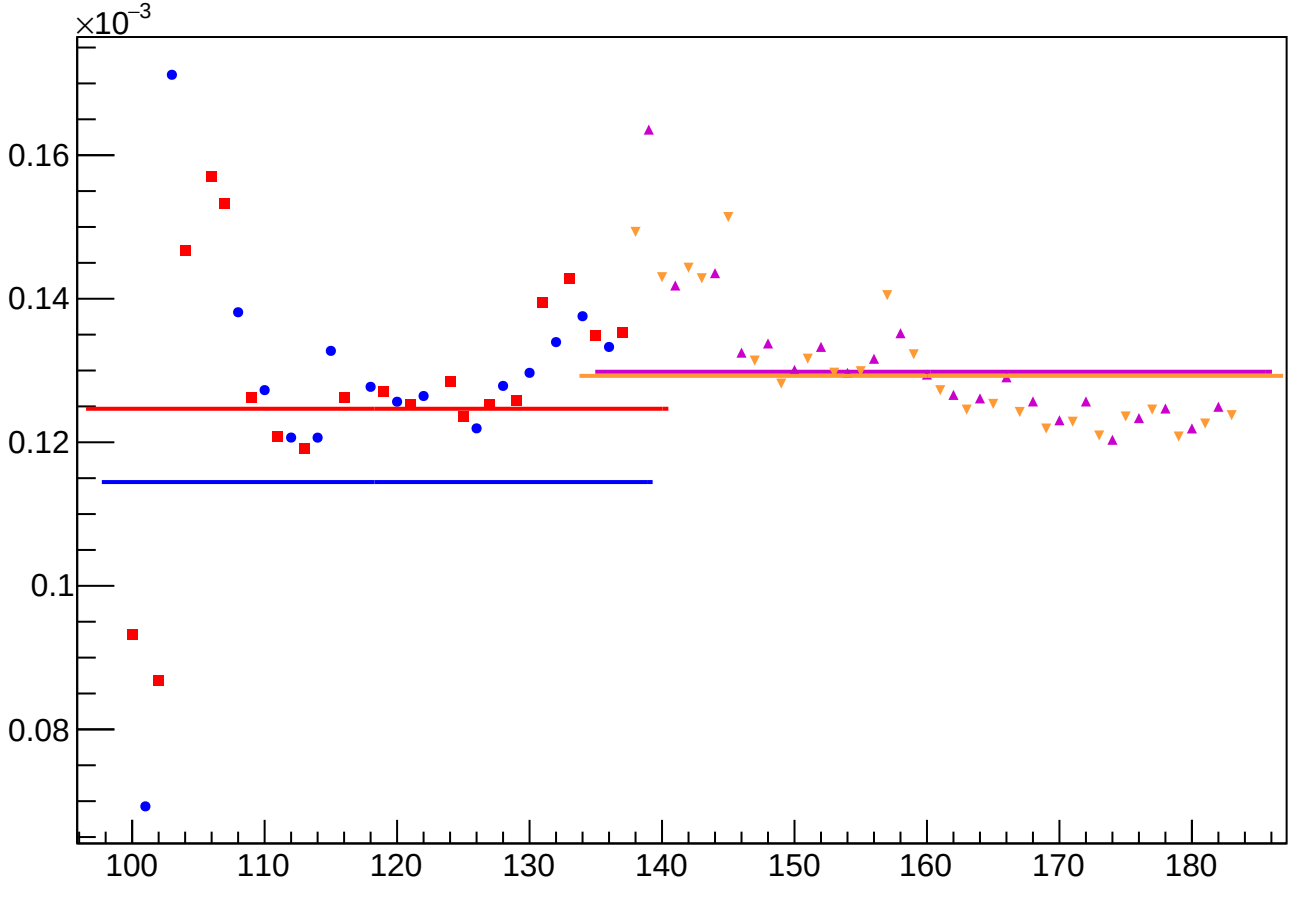
Left: 0.039+/-0.000 χ^2/NDF: 878644142.1/45

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.036+/-0.000 χ^2/NDF:136518510444.0/37

Out: 0.038+/-0.000 χ^2/NDF:53334110376.0/42

All: 0.037+/-0.000 χ^2/NDF: 192178039201.6



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:155863.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:141453.3/21

Left: 0.000+/-0.000 χ^2/NDF: 297672.9/45

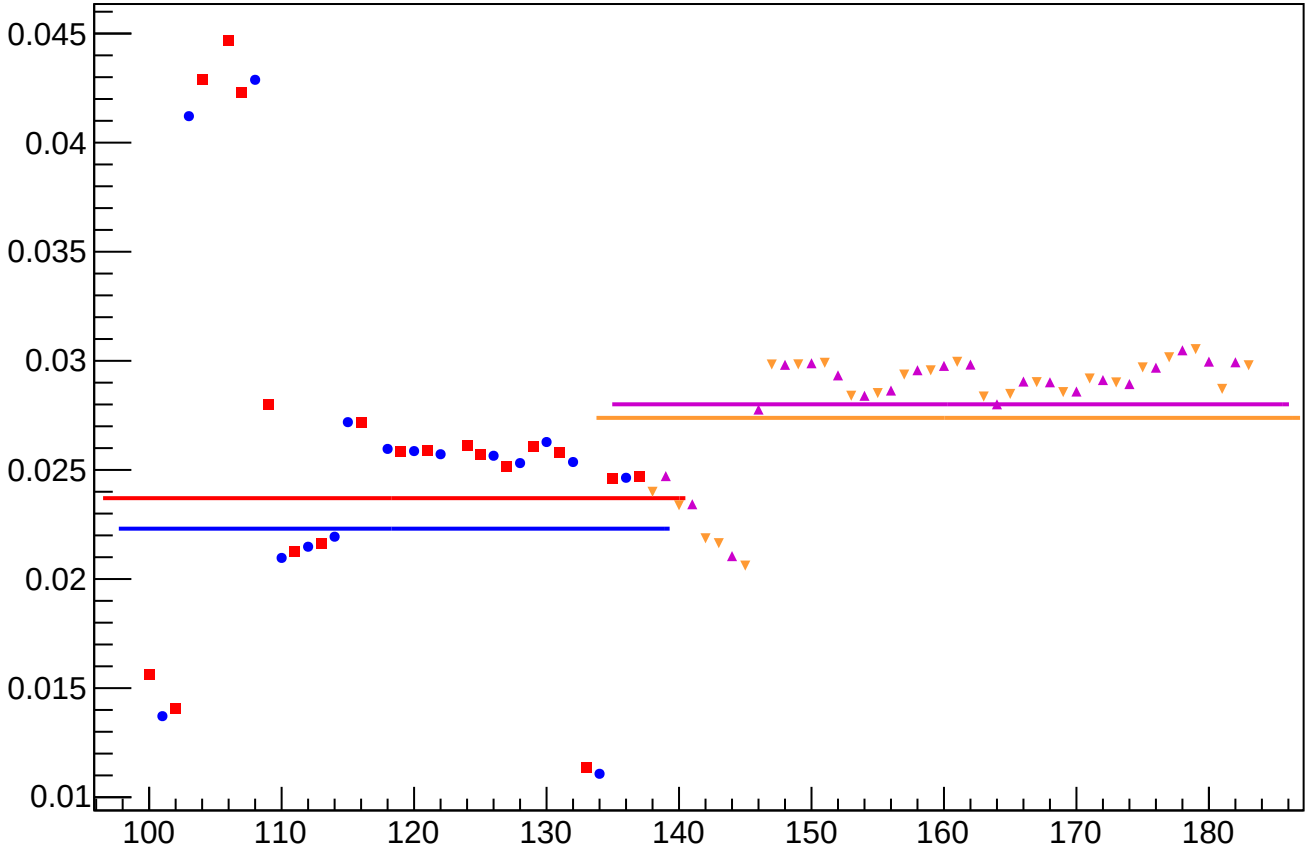
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1155859.3/37

Out: 0.000+/-0.000 χ^2/NDF:429625.5/42

All: 0.000+/-0.000 χ^2/NDF: 1600863.3/80

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:2224766272.9/23

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: 3745867312.1/45

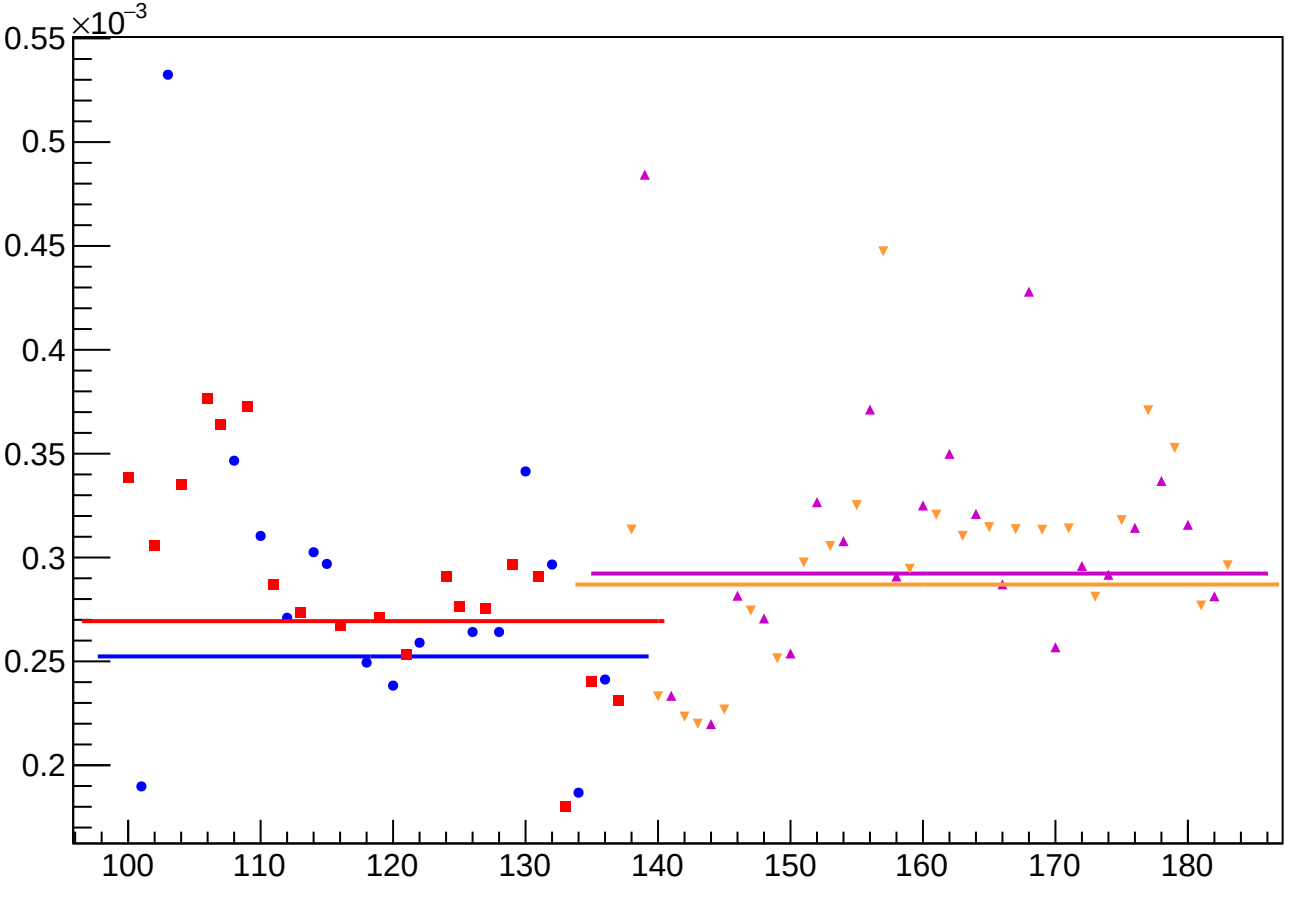
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.026+/-0.000 χ^2/NDF:8597186110.0/37

Out: 0.026+/-0.000 χ^2/NDF:8648520441.7/42

All: 0.026+/-0.000 χ^2/NDF: 17251886092.4/8

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:815954.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:970274.2/21

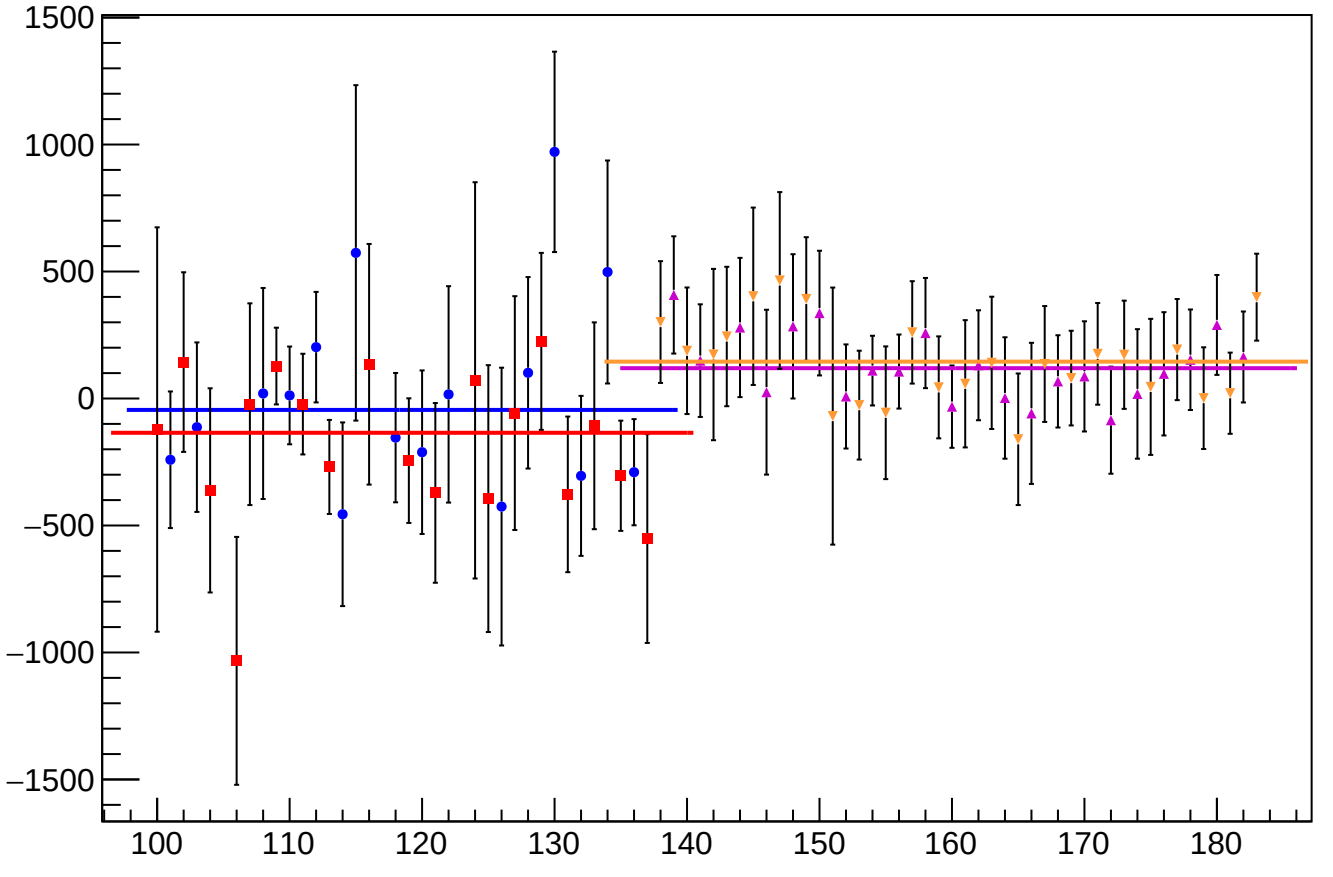
Left: 0.000+/-0.000 χ^2/NDF: 1791737.6/45

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:1300902.6/42

All: 0.000+/-0.000 χ^2/NDF: 3187503.7/80



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 145.183+/-46.798 χ^2/NDF:10.2/23

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: 131.500+/-32.083 χ^2/NDF: 17.8/45

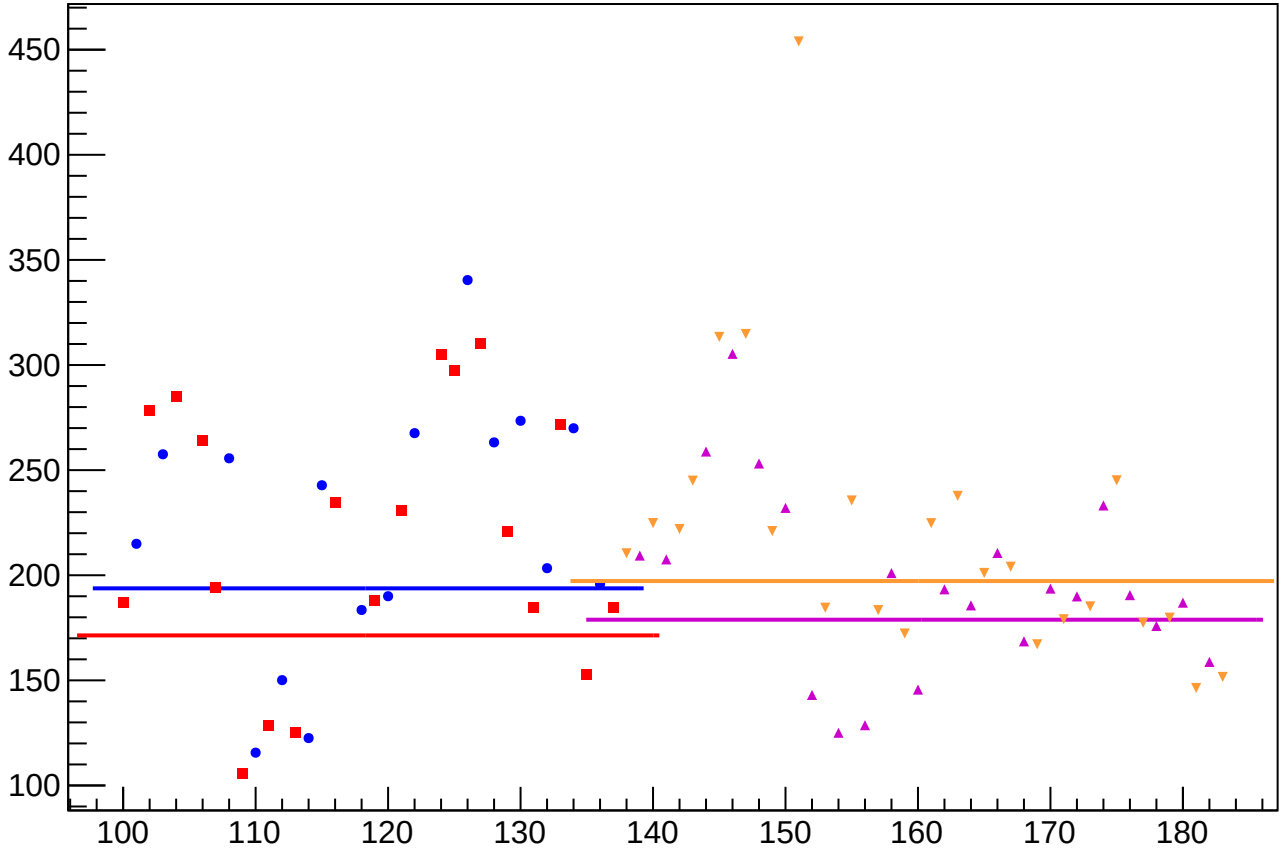
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 78.188+/-38.148 χ^2/NDF:26.4/37

Out: 55.245+/-38.562 χ^2/NDF:34.6/42

All: 66.840+/-27.120 χ^2/NDF: 61.2/80

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: 197.244+/-0.033 χ^2/NDF:1768654.1/23

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: 187.494+/-0.023 χ^2/NDF: 3598006.5/45

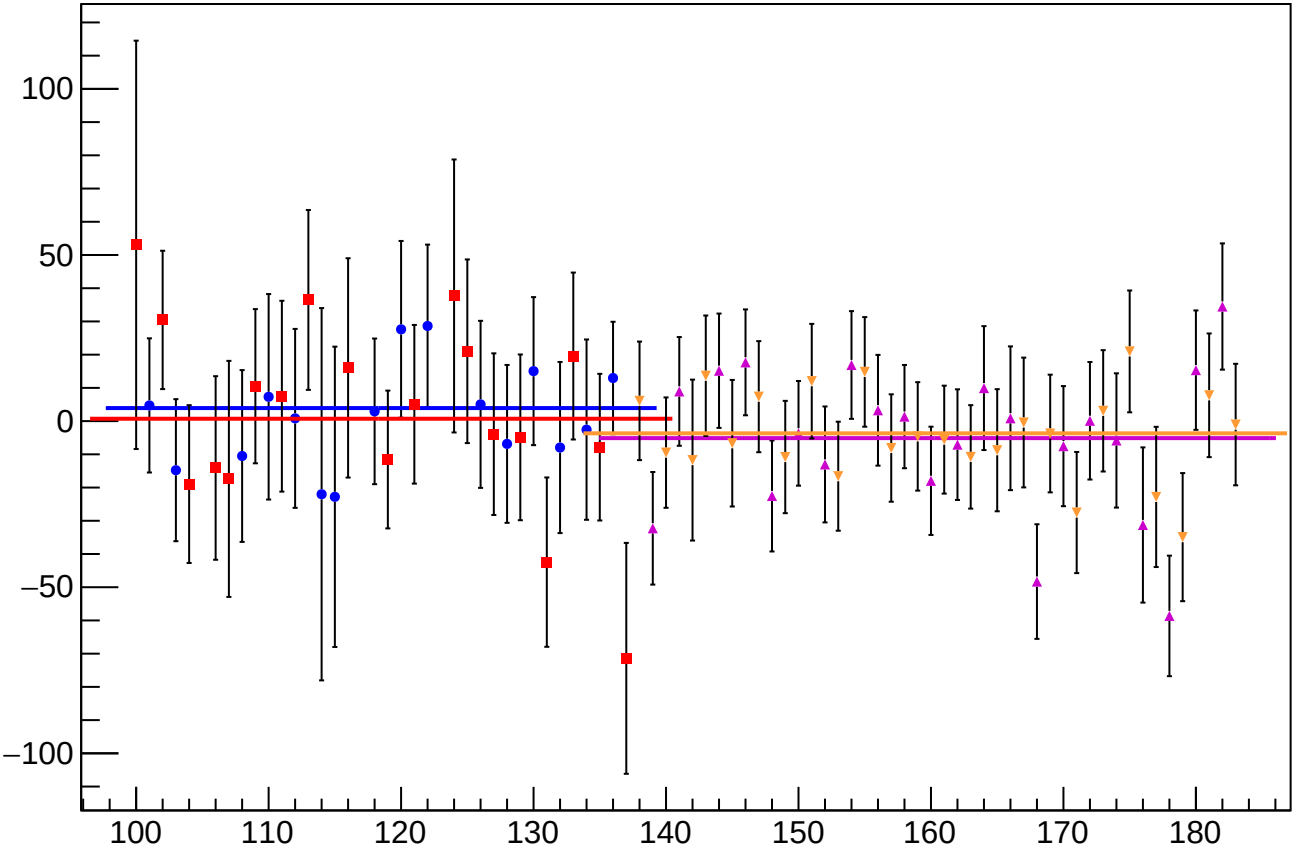
Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 182.587+/-0.027 χ^2/NDF:2771098.5/37

Out: 188.942+/-0.027 χ^2/NDF:3622813.7/42

All: 185.731+/-0.019 χ^2/NDF: 6421364.5/80

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: -3.678+/-3.624 χ^2/NDF:12.7/23

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: -4.380+/-2.597 χ^2/NDF: 46.4/45

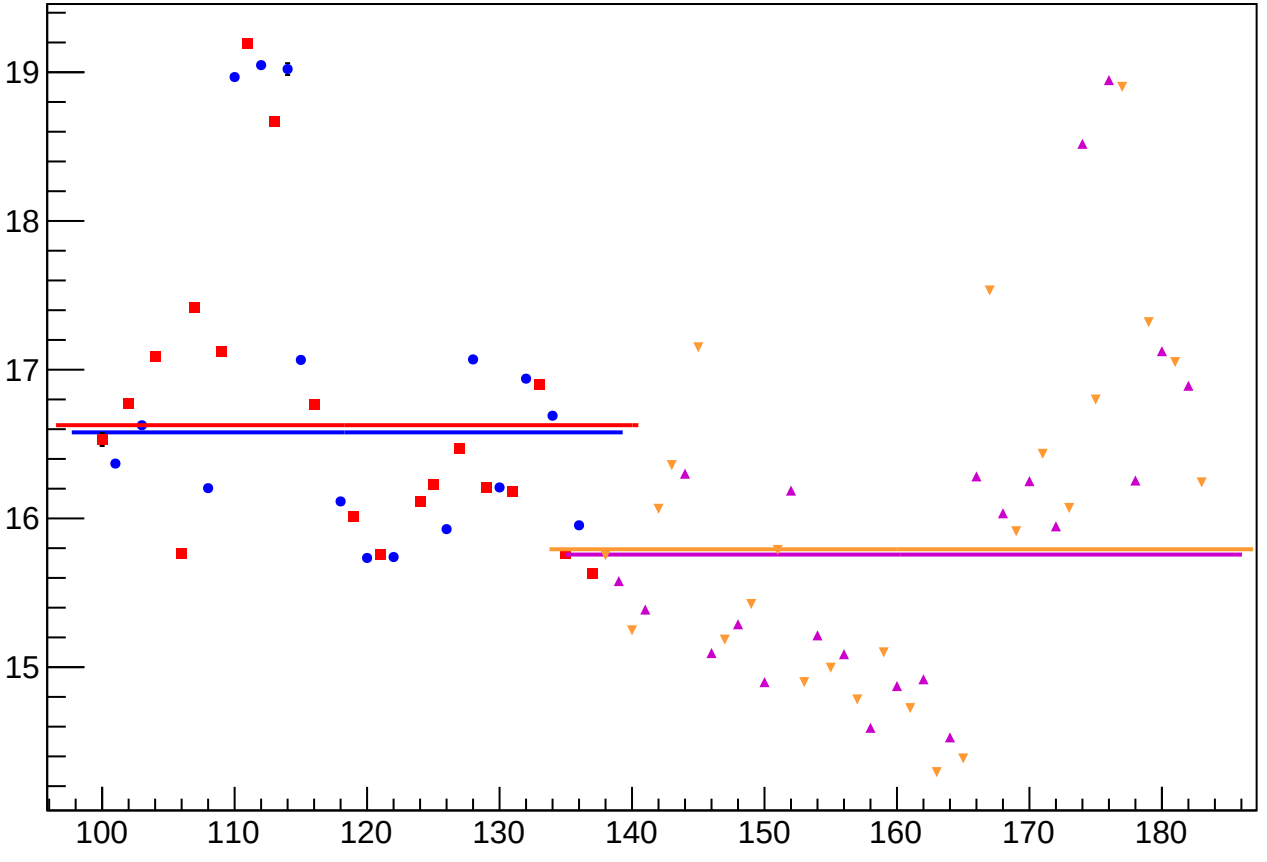
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -2.708+/-3.188 χ^2/NDF:39.7/37

Out: -2.526+/-3.112 χ^2/NDF:29.0/42

All: -2.615+/-2.227 χ^2/NDF: 68.7/80

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: 15.793+/-0.003 χ^2/NDF:170239.2/23

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: 15.775+/-0.002 χ^2/NDF: 320409.8/45

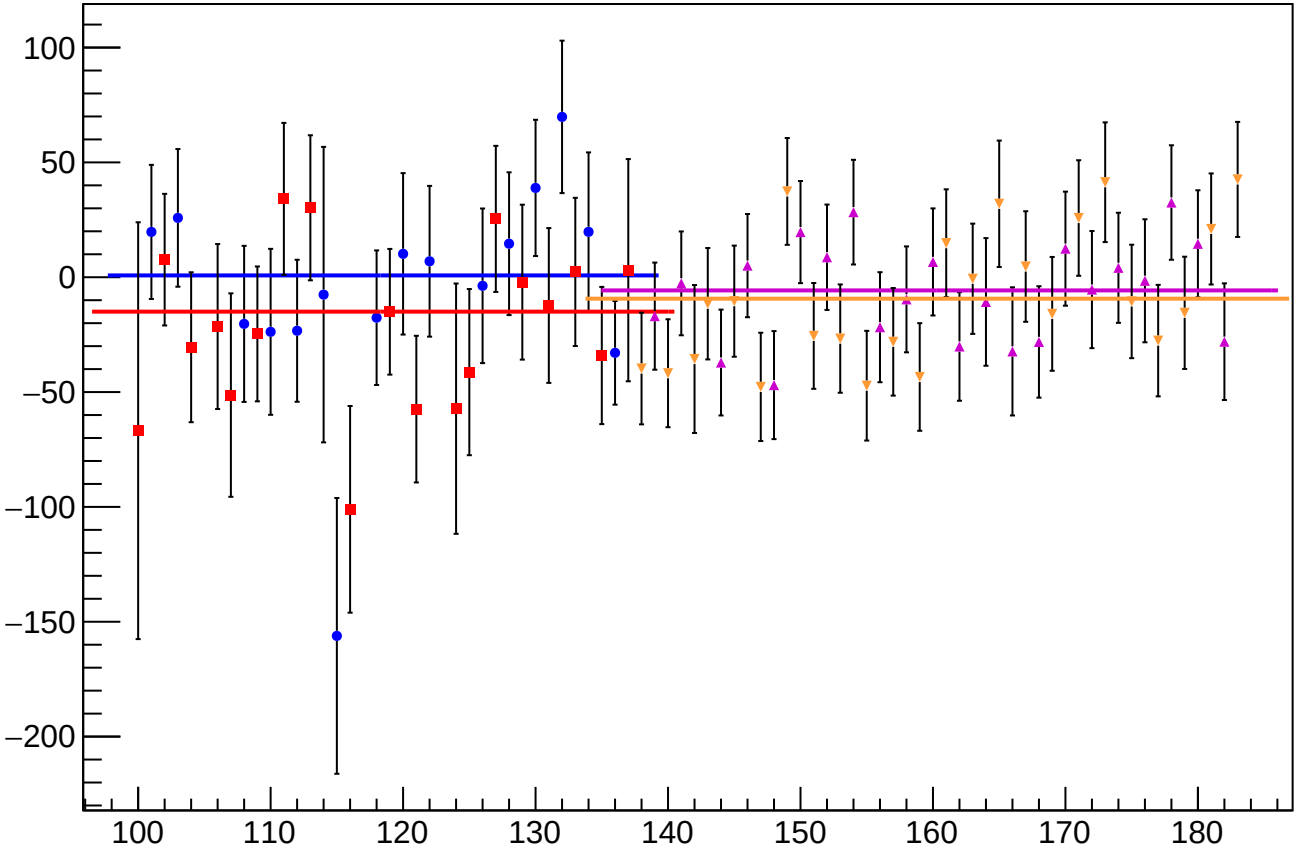
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.976+/-0.002 χ^2/NDF:220639.9/37

Out: 16.012+/-0.002 χ^2/NDF:241504.4/42

All: 15.994+/-0.002 χ^2/NDF: 462270.0/80

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: -9.335+/-4.987 χ^2/NDF:33.2/23

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: -7.583+/-3.572 χ^2/NDF: 51.1/45

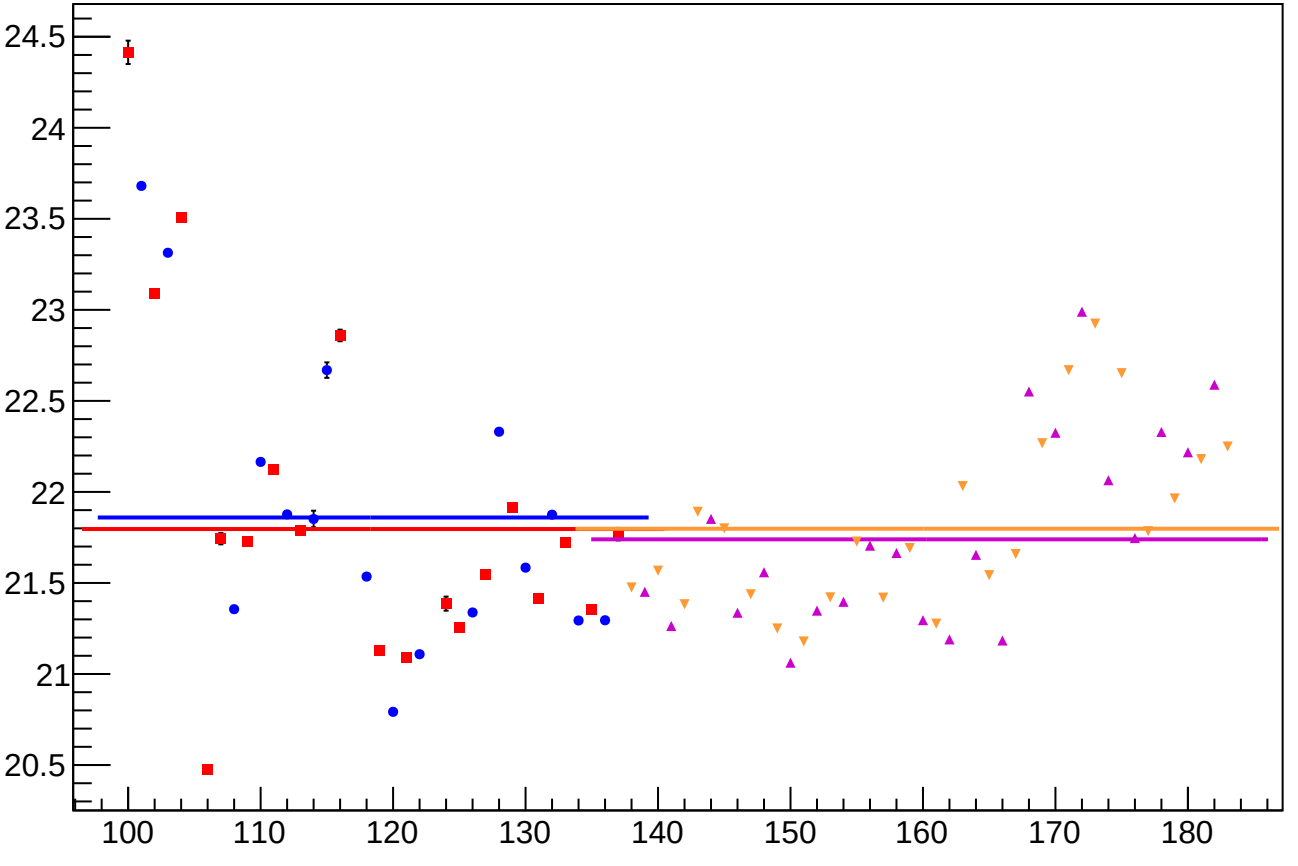
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -3.882+/-4.332 χ^2/NDF:36.7/37

Out: -10.928+/-4.225 χ^2/NDF:49.0/42

All: -7.493+/-3.025 χ^2/NDF: 87.1/80

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: 21.798+/-0.004 χ^2/NDF:16924.9/23

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.740+/-0.004 χ^2/NDF:20266.2/21

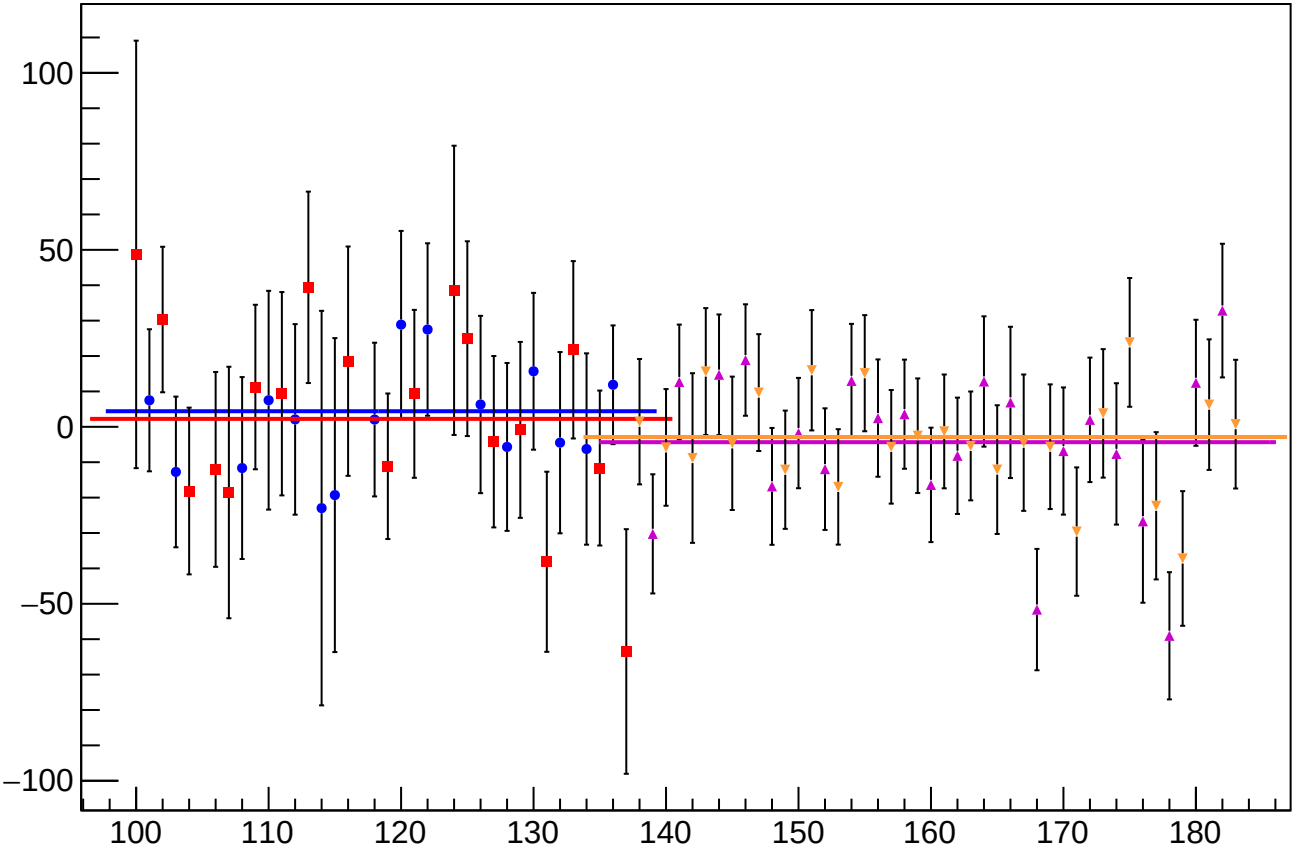
Left: 21.769+/-0.003 χ^2/NDF: 37323.9/45

Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.774+/-0.003 χ^2/NDF:40046.7/37

Out: 21.797+/-0.003 χ^2/NDF:35786.3/42

All: 21.786+/-0.002 χ^2/NDF: 75863.6/80



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -2.874+/-3.590 χ^2/NDF:14.5/23

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: -3.587+/-2.572 χ^2/NDF: 48.4/45

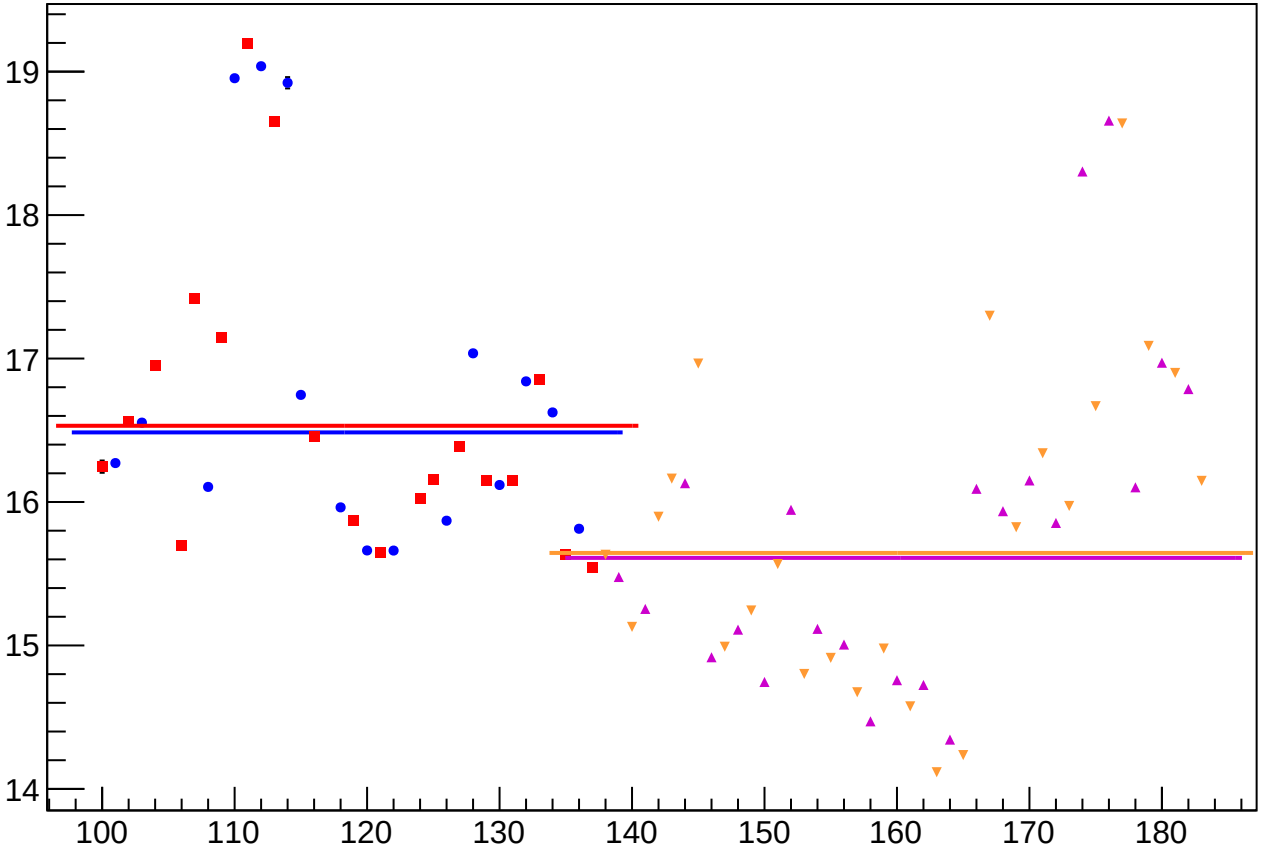
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: -2.020+/-3.161 χ^2/NDF:39.6/37

Out: -1.539+/-3.086 χ^2/NDF:30.4/42

All: -1.774+/-2.208 χ^2/NDF: 70.0/80

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: 15.645+/-0.003 χ^2/NDF:167236.0/23

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: 15.628+/-0.002 χ^2/NDF: 315597.1/45

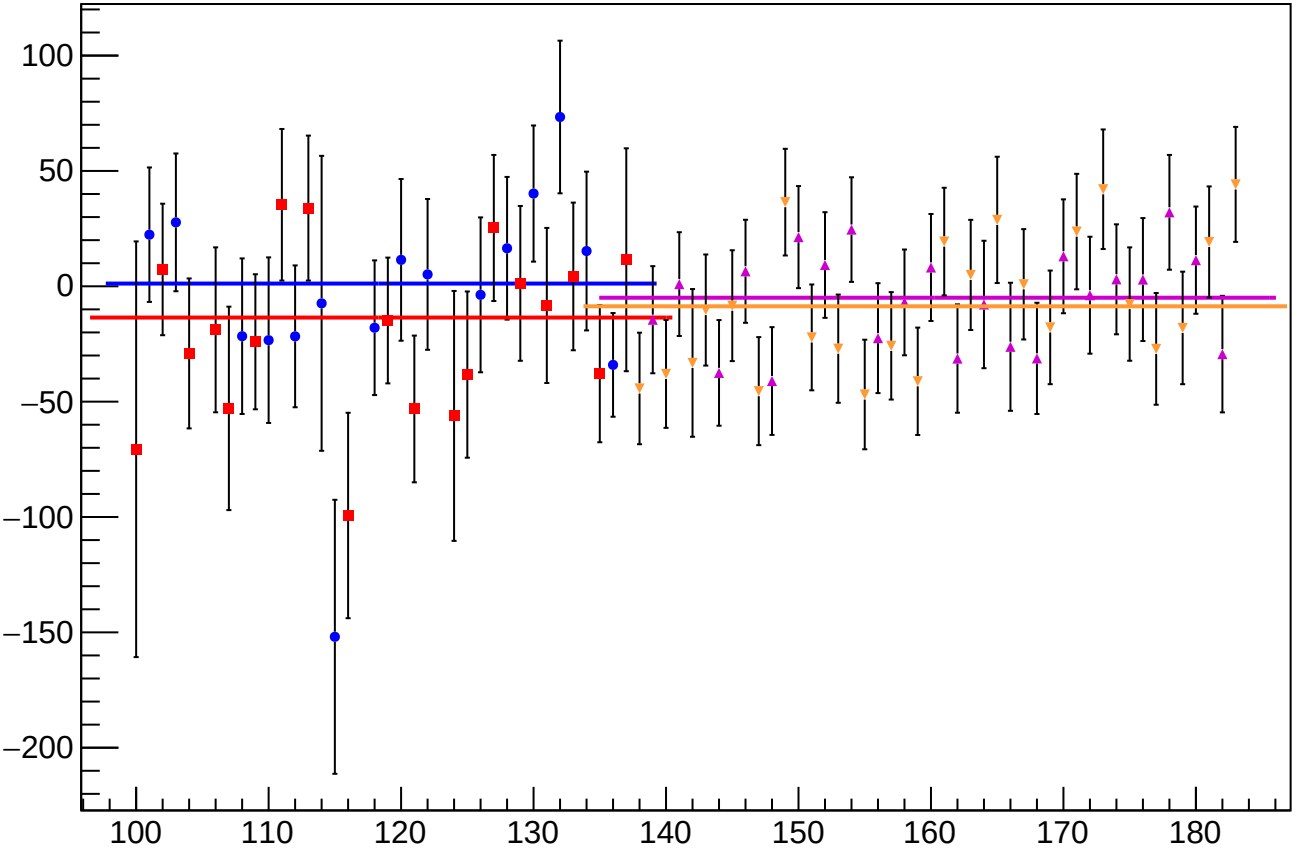
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.842+/-0.002 χ^2/NDF:225304.5/37

Out: 15.876+/-0.002 χ^2/NDF:245518.2/42

All: 15.860+/-0.002 χ^2/NDF: 470939.1/80

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: -8.672+/-4.960 χ^2/NDF:32.7/23

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: -6.862+/-3.554 χ^2/NDF: 49.6/45

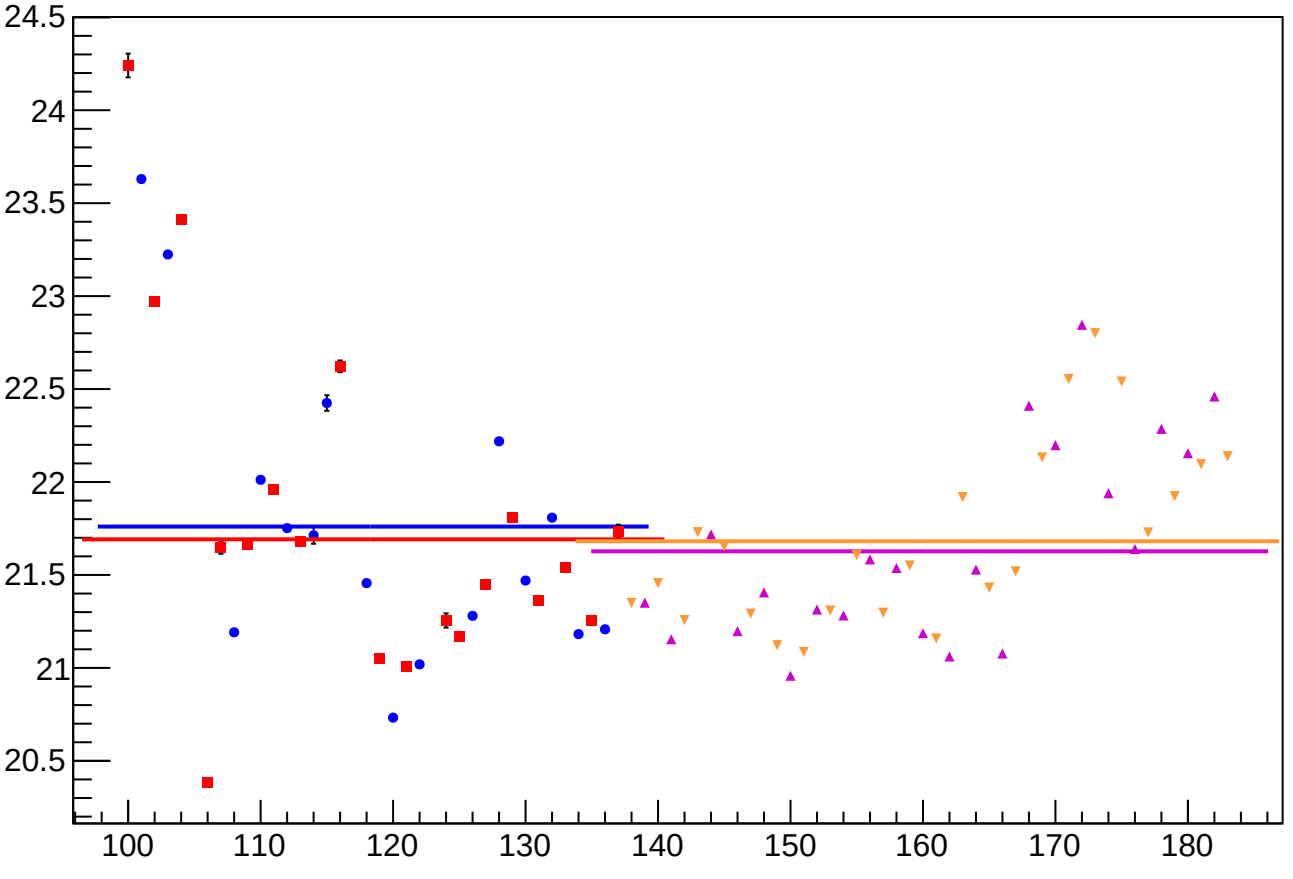
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -3.211+/-4.310 χ^2/NDF:36.5/37

Out: -10.047+/-4.203 χ^2/NDF:48.9/42

All: -6.715+/-3.009 χ^2/NDF: 86.7/80

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: 21.681+/-0.004 χ^2/NDF:17340.9/23

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: 21.655+/-0.003 χ^2/NDF: 37731.6/45

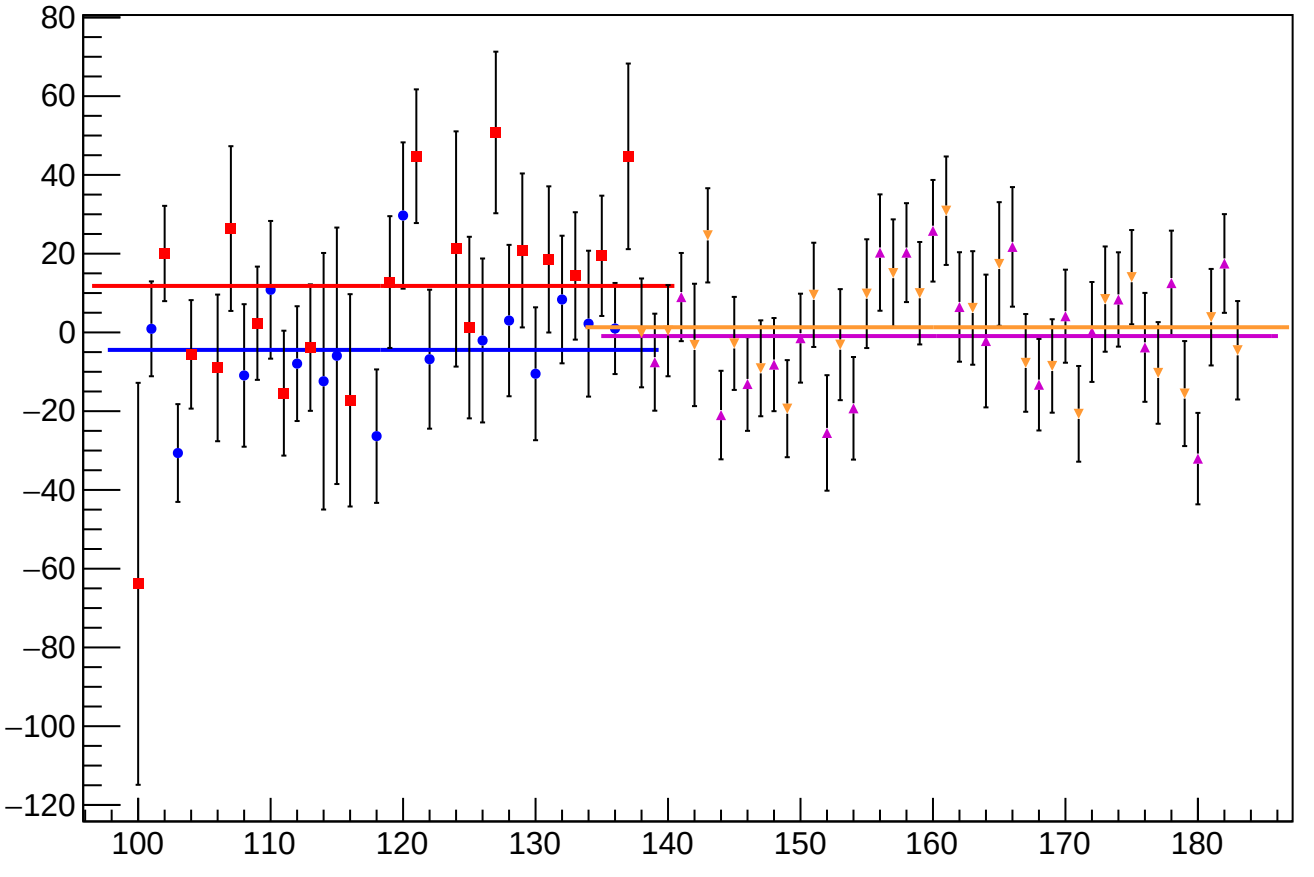
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.665+/-0.003 χ^2/NDF:40408.6/37

Out: 21.684+/-0.003 χ^2/NDF:35674.0/42

All: 21.675+/-0.002 χ^2/NDF: 76103.4/80

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.316+/-2.641 χ^2/NDF:24.2/23

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -0.927+/-2.698 χ^2/NDF:34.5/21

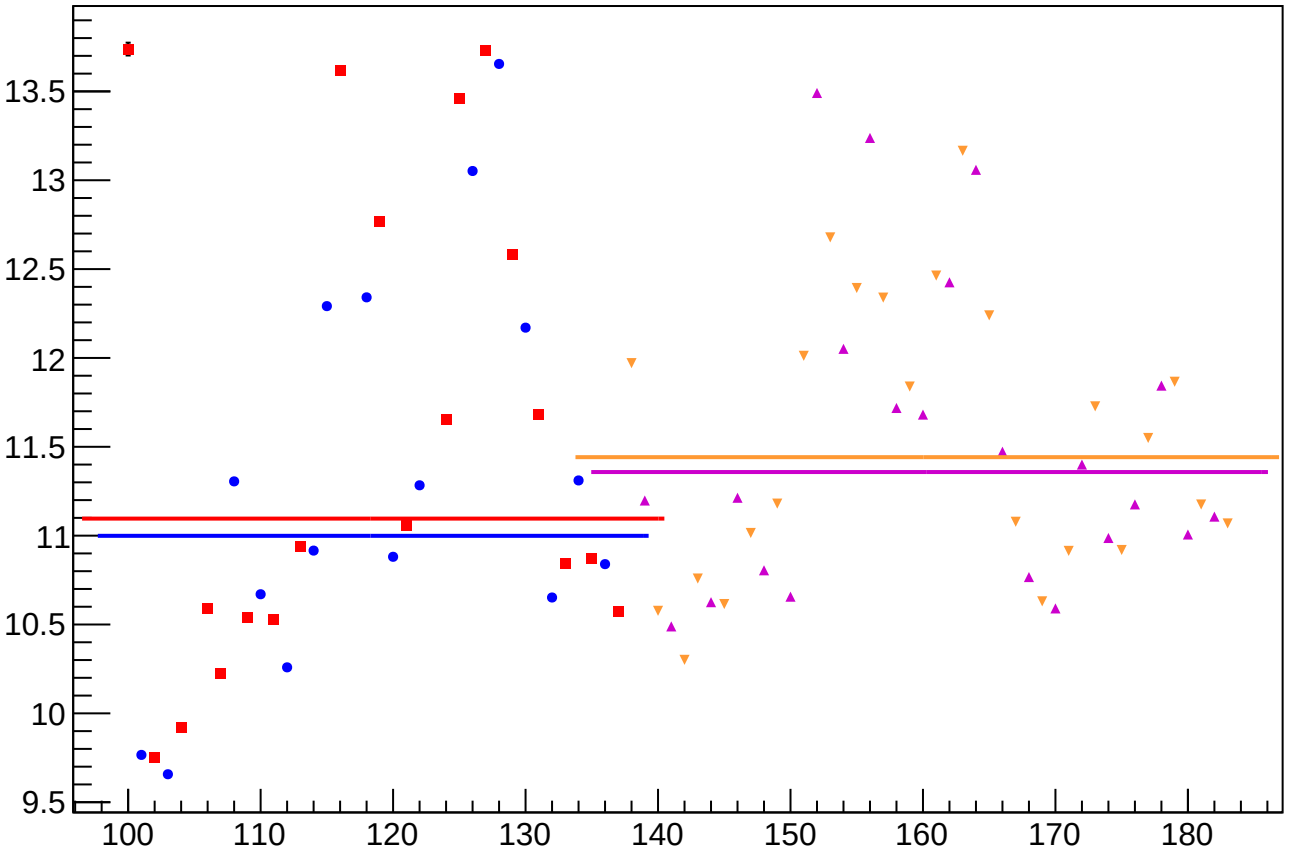
Left: 0.218+/-1.887 χ^2/NDF: 59.1/45

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -1.977+/-2.259 χ^2/NDF:47.0/37

Out: 4.396+/-2.220 χ^2/NDF:50.6/42

All: 1.264+/-1.583 χ^2/NDF: 101.7/80



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.442+/-0.002 χ^2/NDF:152875.4/23

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.358+/-0.002 χ^2/NDF:169952.3/21

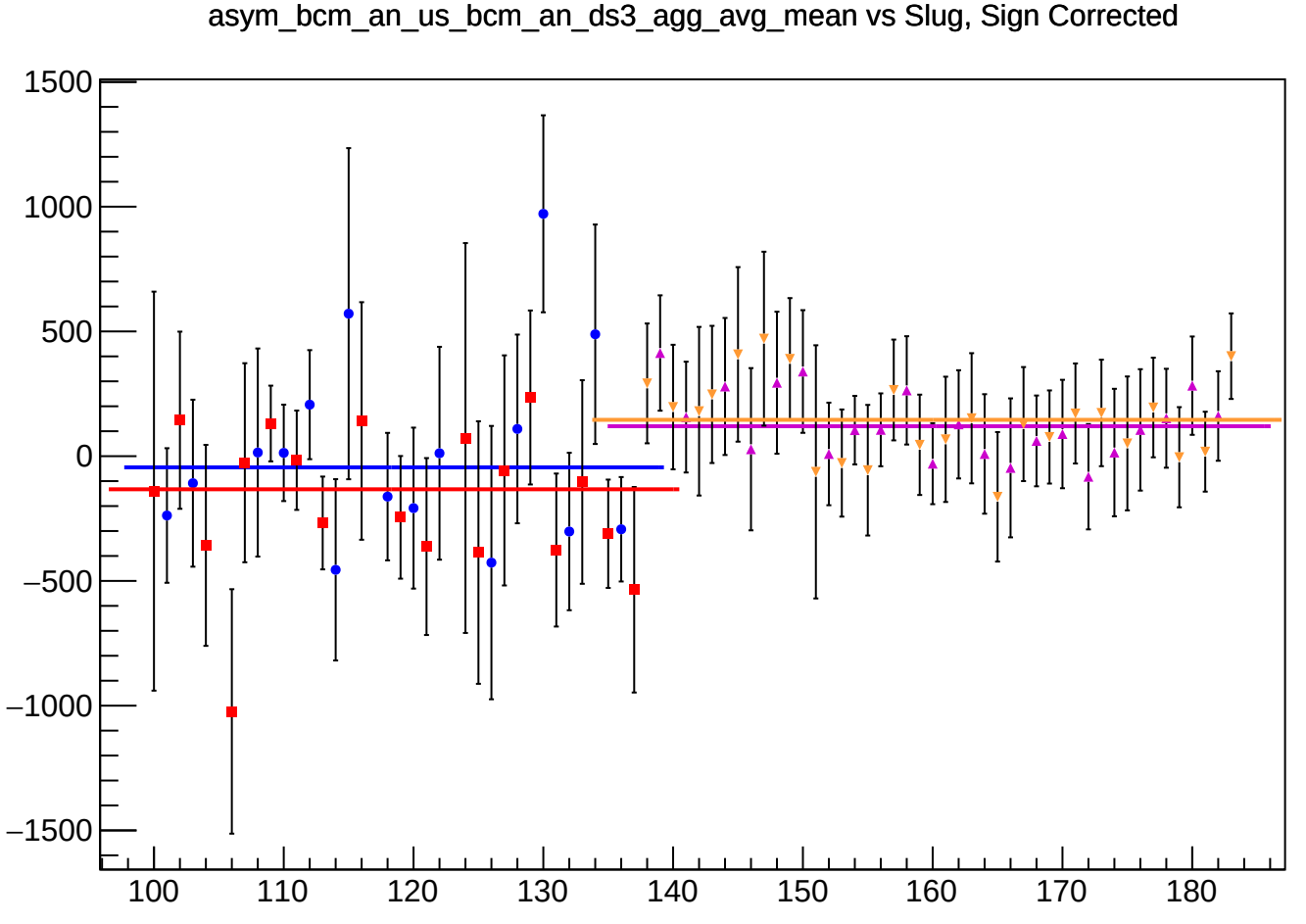
Left: 11.401+/-0.001 χ^2/NDF: 323811.1/45

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.251+/-0.002 χ^2/NDF:316696.4/37

Out: 11.340+/-0.002 χ^2/NDF:325842.6/42

All: 11.296+/-0.001 χ^2/NDF: 644137.4/80



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 145.653+/-46.886 χ^2/NDF:10.3/23

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: 132.041+/-32.140 χ^2/NDF: 17.8/45

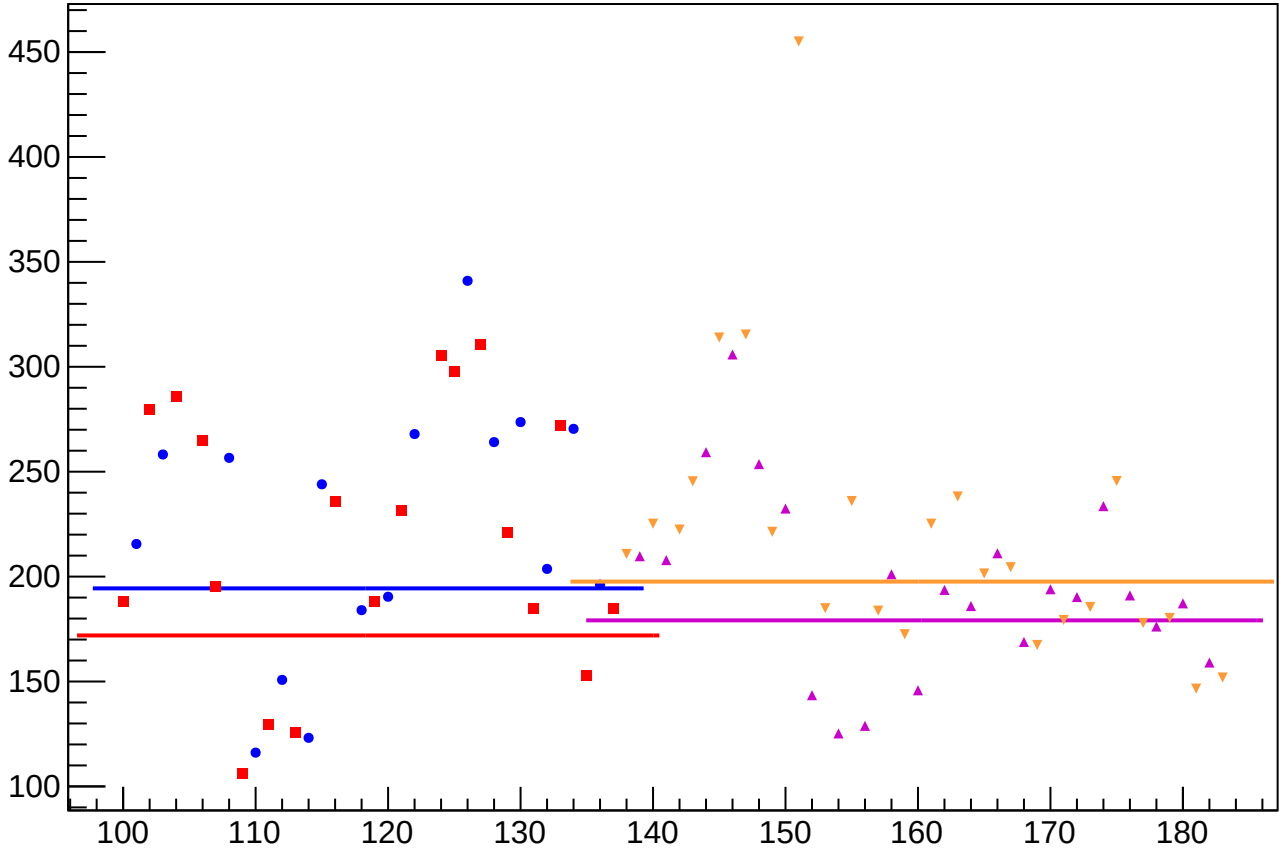
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 78.754+/-38.224 χ^2/NDF:26.3/37

Out: 56.432+/-38.649 χ^2/NDF:34.4/42

All: 67.717+/-27.178 χ^2/NDF: 60.9/80

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: 197.615+/-0.033 χ^2/NDF:1768893.6/23

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: 187.823+/-0.023 χ^2/NDF: 3599505.4/45

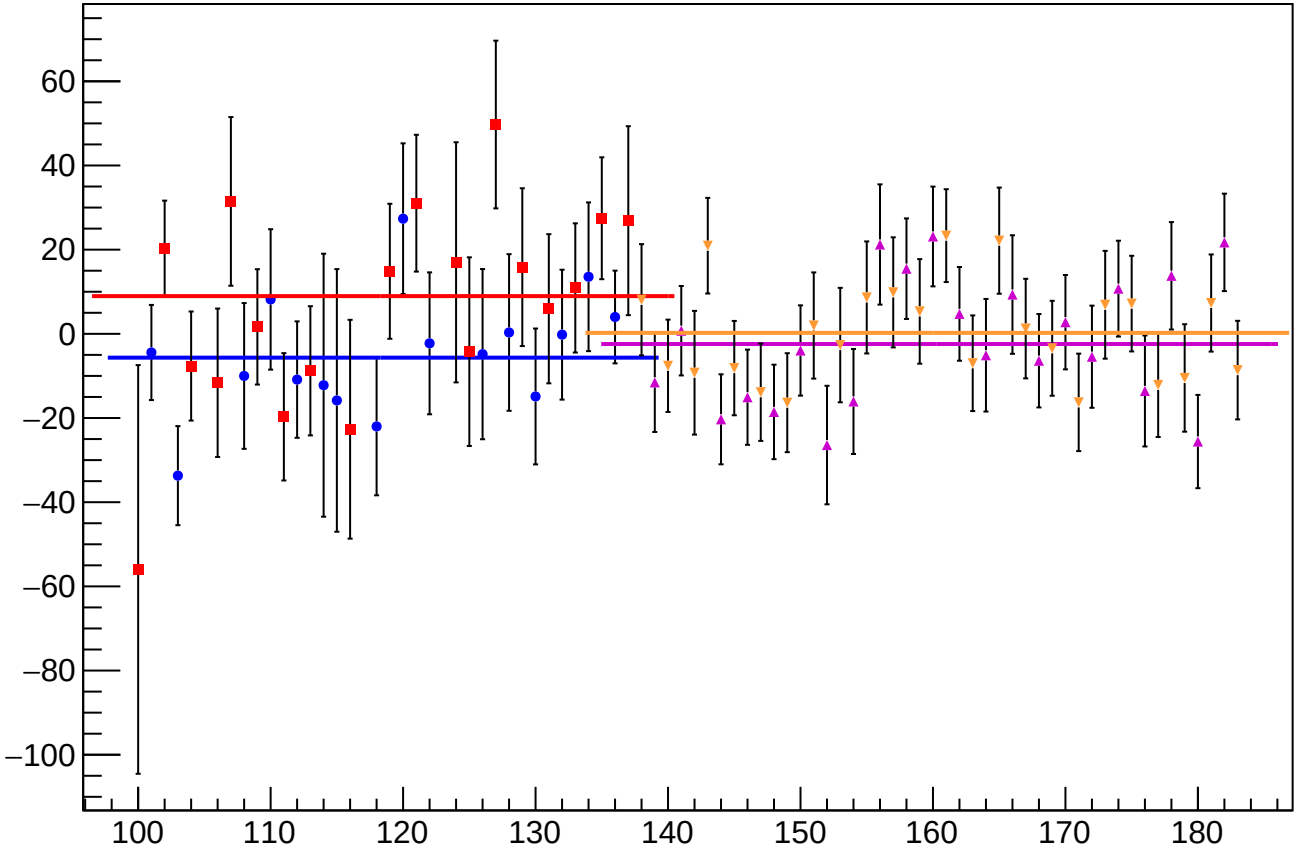
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.957+/-0.027 χ^2/NDF:2767747.1/37

Out: 189.389+/-0.027 χ^2/NDF:3612312.5/42

All: 186.137+/-0.019 χ^2/NDF: 6408058.2/80

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: 0.235+/-2.464 χ^2/NDF:23.1/23

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: -1.060+/-1.764 χ^2/NDF: 58.1/45

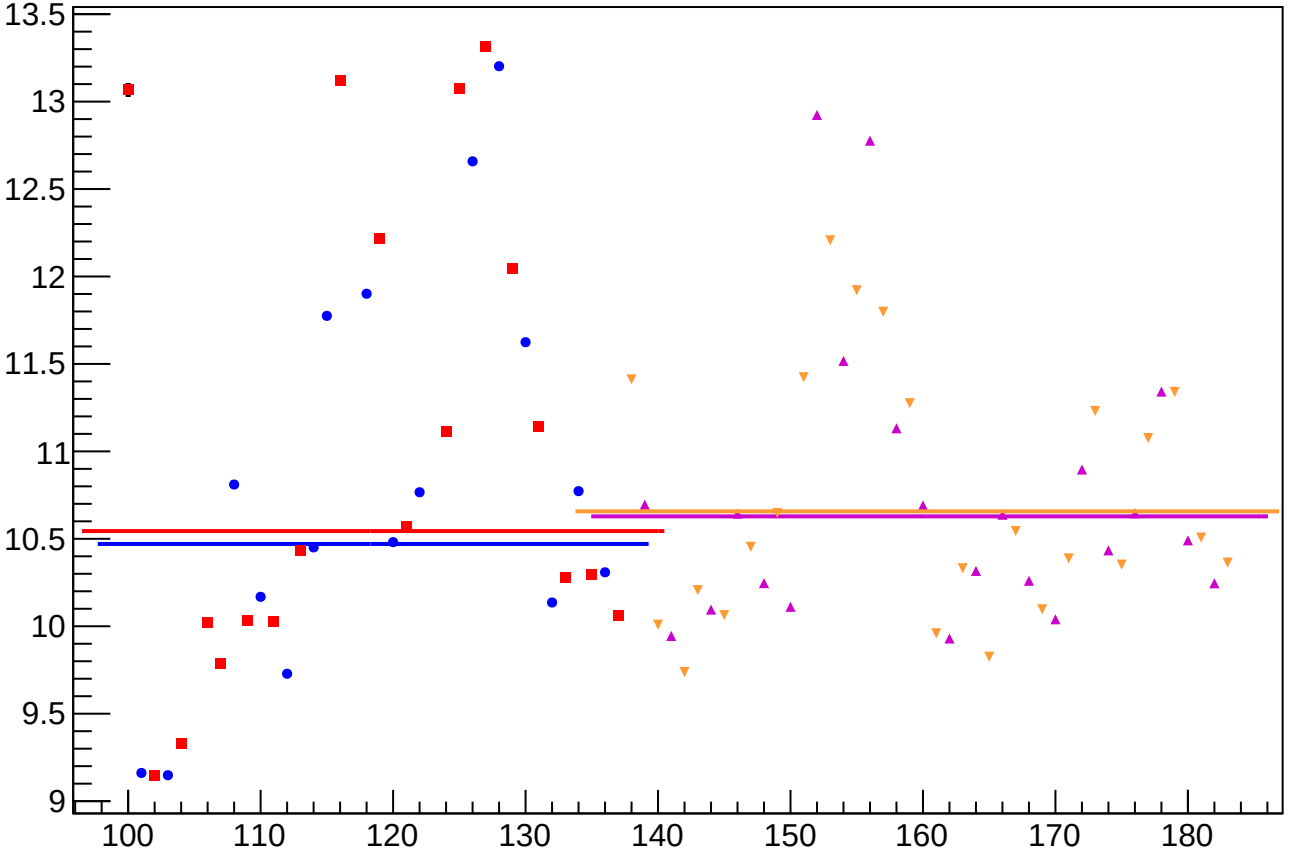
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.366+/-2.127 χ^2/NDF:48.7/37

Out: 2.723+/-2.083 χ^2/NDF:49.4/42

All: -0.258+/-1.488 χ^2/NDF: 102.3/80

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: 10.657+/-0.002 χ^2/NDF:141857.7/23

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: 10.643+/-0.001 χ^2/NDF: 301409.3/45

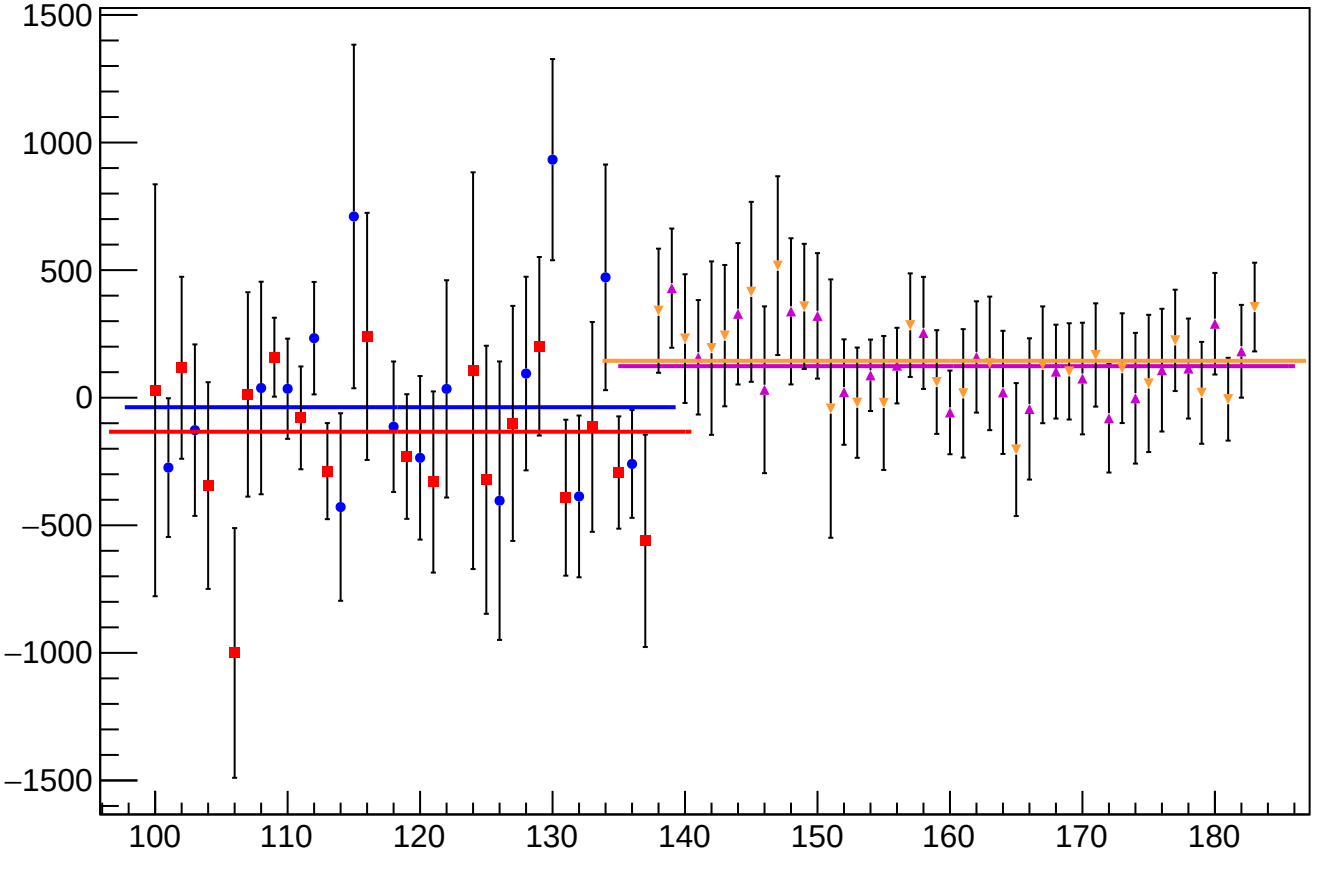
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.582+/-0.002 χ^2/NDF:319053.9/37

Out: 10.625+/-0.001 χ^2/NDF:329831.5/42

All: 10.604+/-0.001 χ^2/NDF: 649295.7/80

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 144.610+/-47.190 χ^2/NDF:10.3/23

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: 133.528+/-32.374 χ^2/NDF: 18.4/45

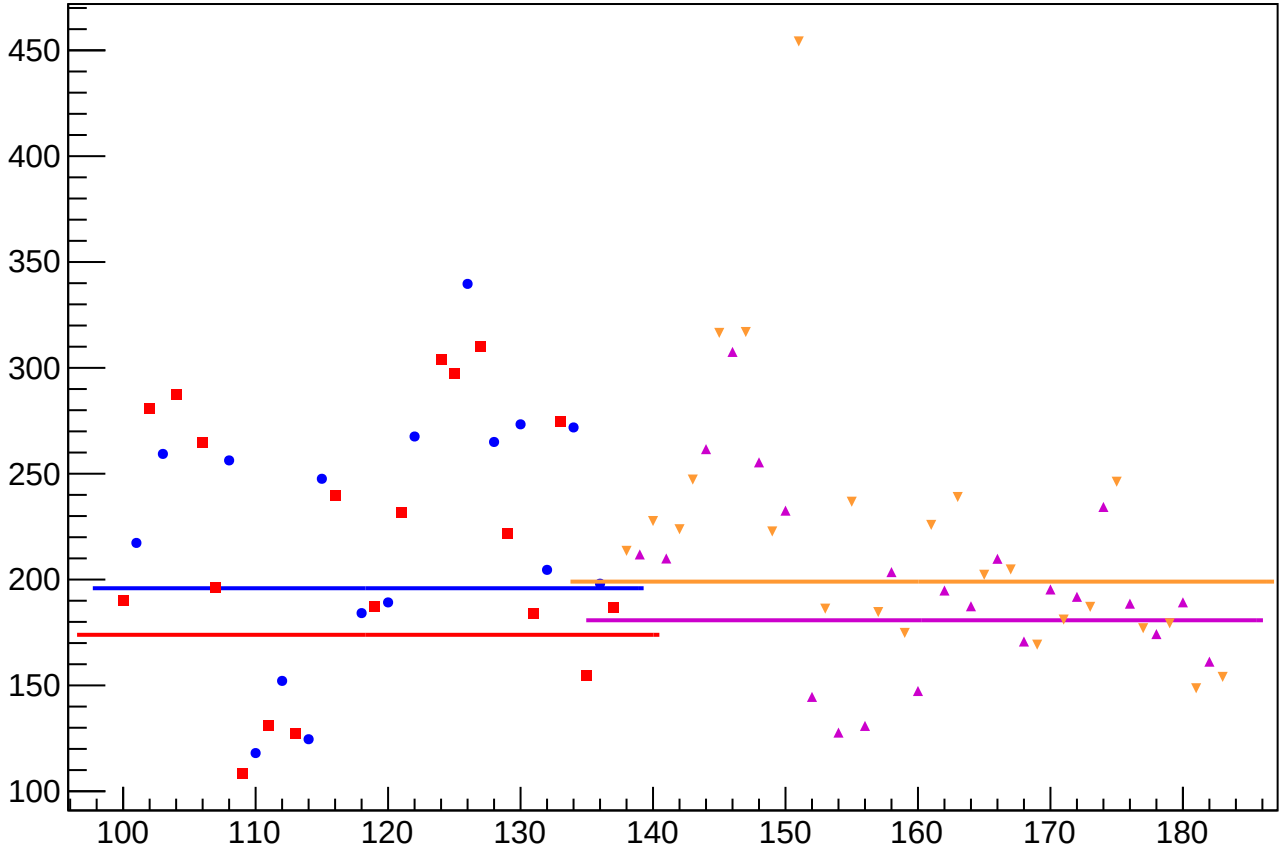
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 83.325+/-38.515 χ^2/NDF:27.0/37

Out: 55.818+/-38.931 χ^2/NDF:34.2/42

All: 69.719+/-27.380 χ^2/NDF: 61.5/80

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: 199.028+/-0.033 χ^2/NDF:1741031.3/23

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 180.767+/-0.031 χ^2/NDF:1615622.6/21

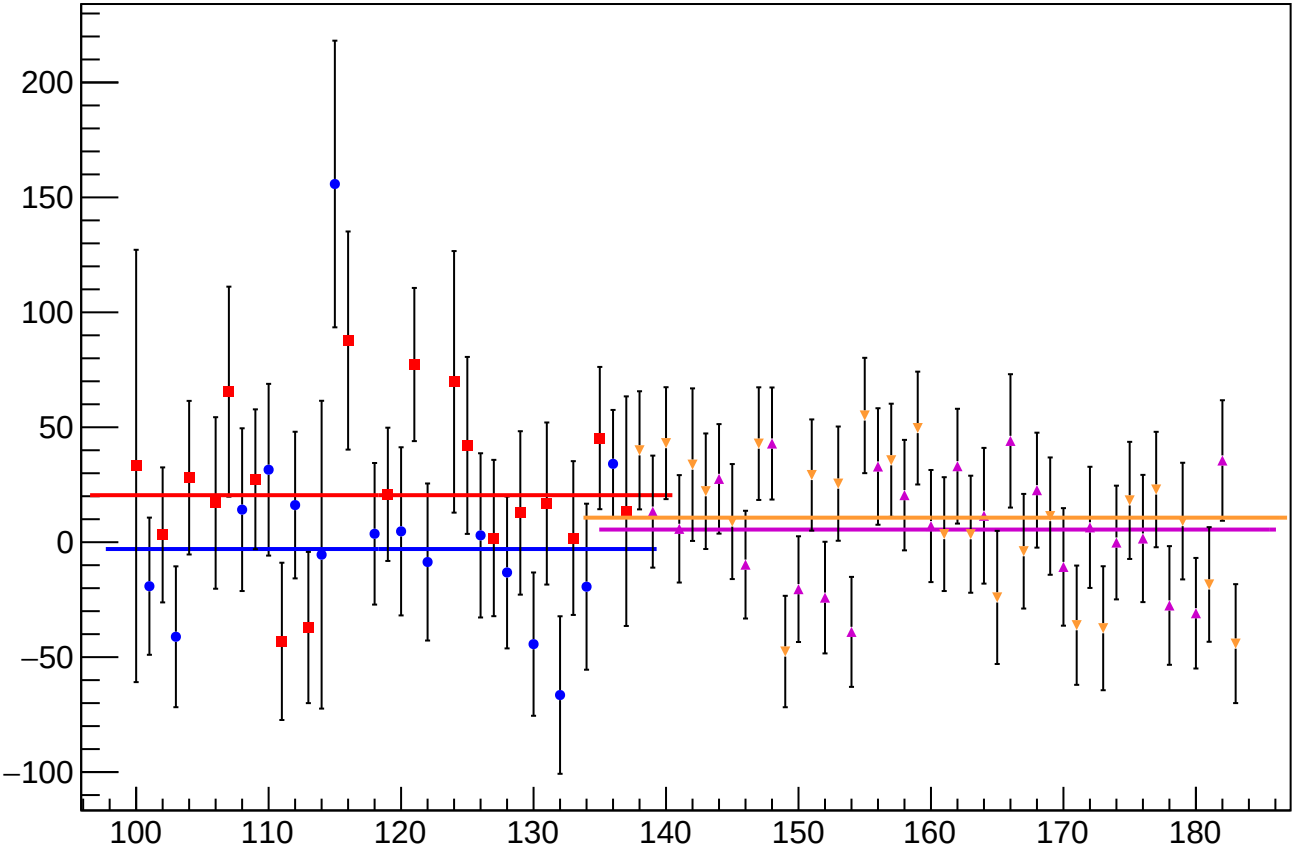
Left: 189.361+/-0.023 χ^2/NDF: 3515178.2/45

Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 184.562+/-0.027 χ^2/NDF:2684637.1/37

Out: 191.002+/-0.028 χ^2/NDF:3521739.8/42

All: 187.747+/-0.019 χ^2/NDF: 6234039.2/80



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 10.677+/-5.196 χ^2/NDF:33.4/23

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 5.499+/-5.329 χ^2/NDF:20.7/21

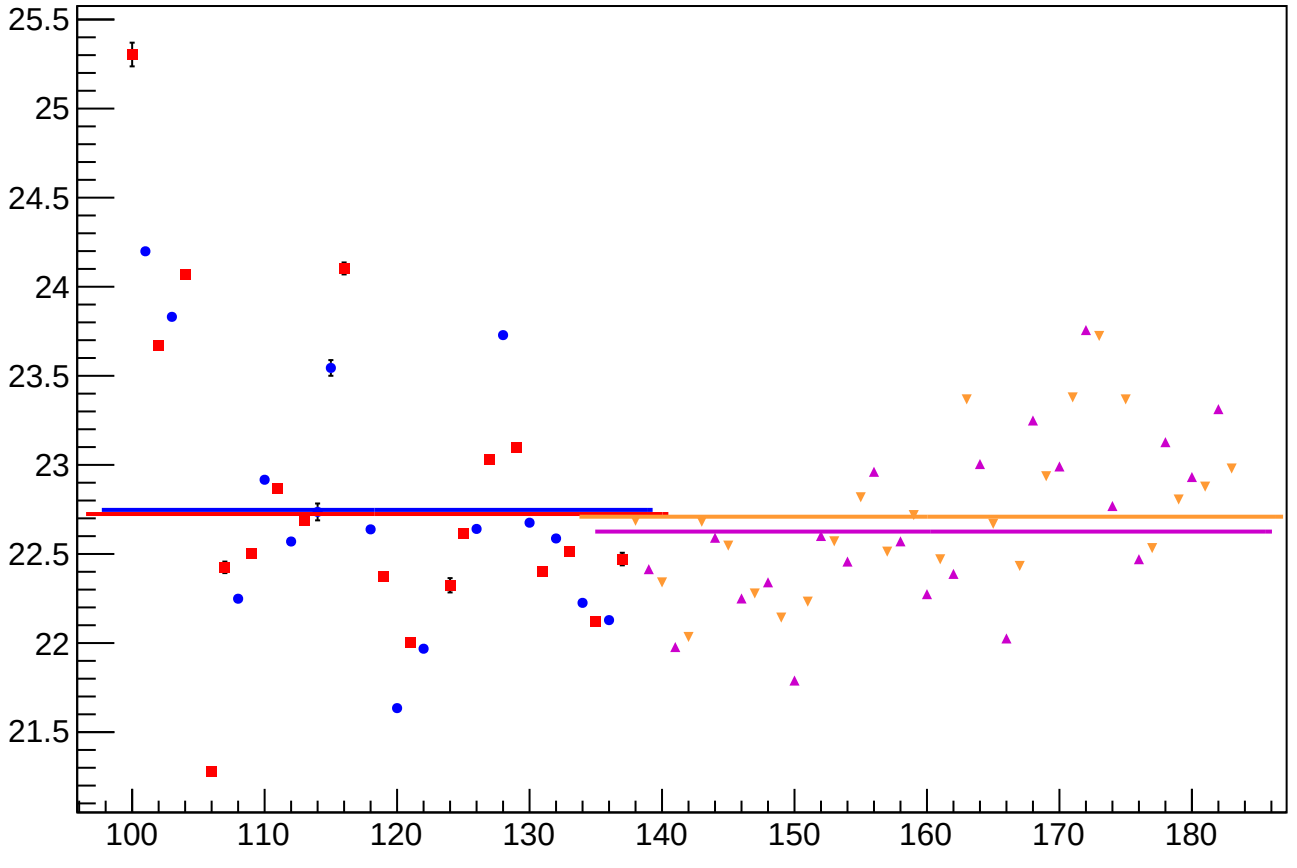
Left: 8.153+/-3.720 χ^2/NDF: 54.7/45

Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 3.092+/-4.508 χ^2/NDF:39.4/37

Out: 13.434+/-4.403 χ^2/NDF:49.7/42

All: 8.385+/-3.150 χ^2/NDF: 91.8/80



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.709+/-0.004 χ^2/NDF:11958.8/23

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.626+/-0.004 χ^2/NDF:15286.4/21

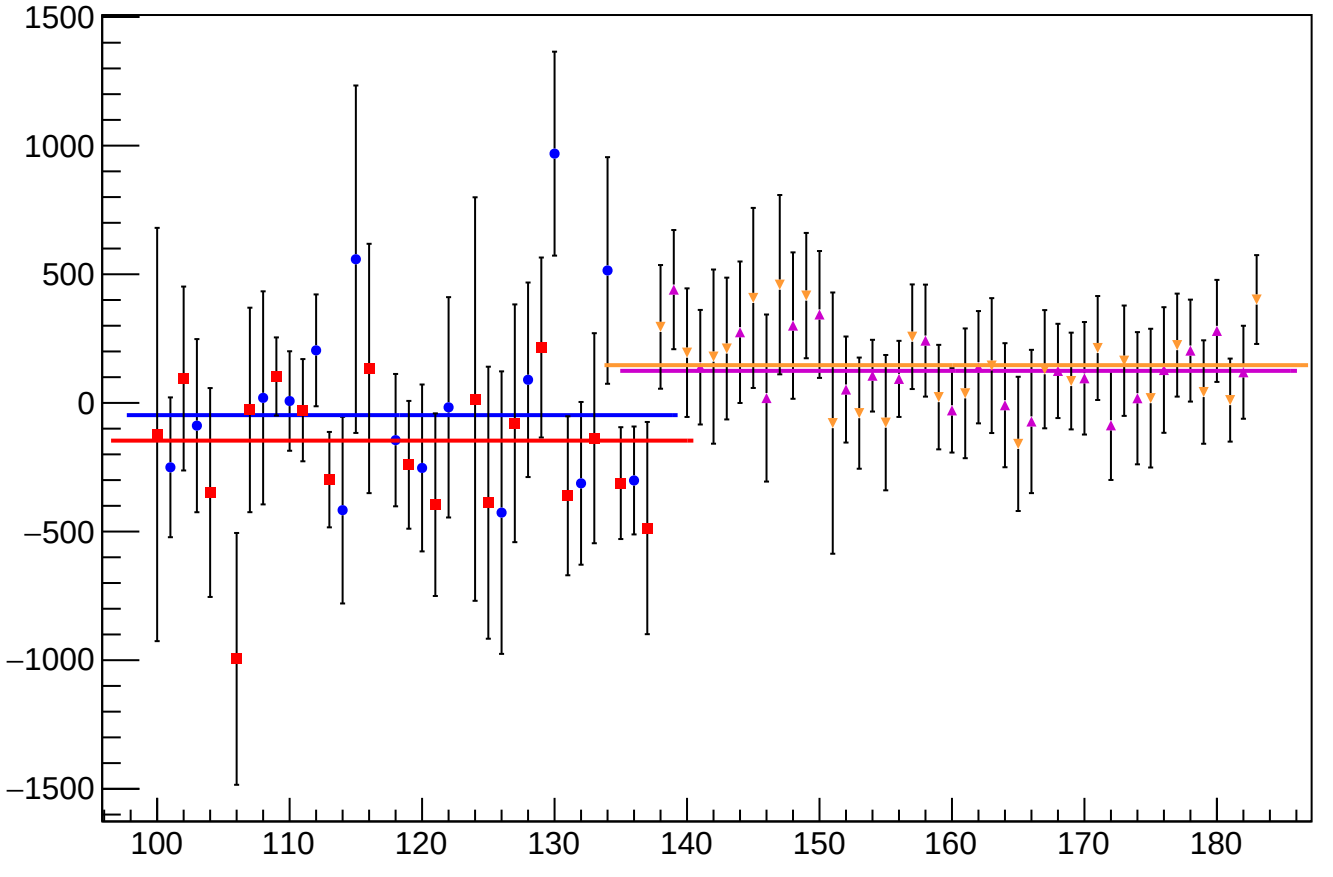
Left: 22.669+/-0.003 χ^2/NDF: 27497.3/45

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.660+/-0.003 χ^2/NDF:30206.3/37

Out: 22.713+/-0.003 χ^2/NDF:26454.1/42

All: 22.688+/-0.002 χ^2/NDF: 56802.8/80



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 146.697+/-47.115 χ^2/NDF:10.7/23

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: 134.992+/-32.322 χ^2/NDF: 18.4/45

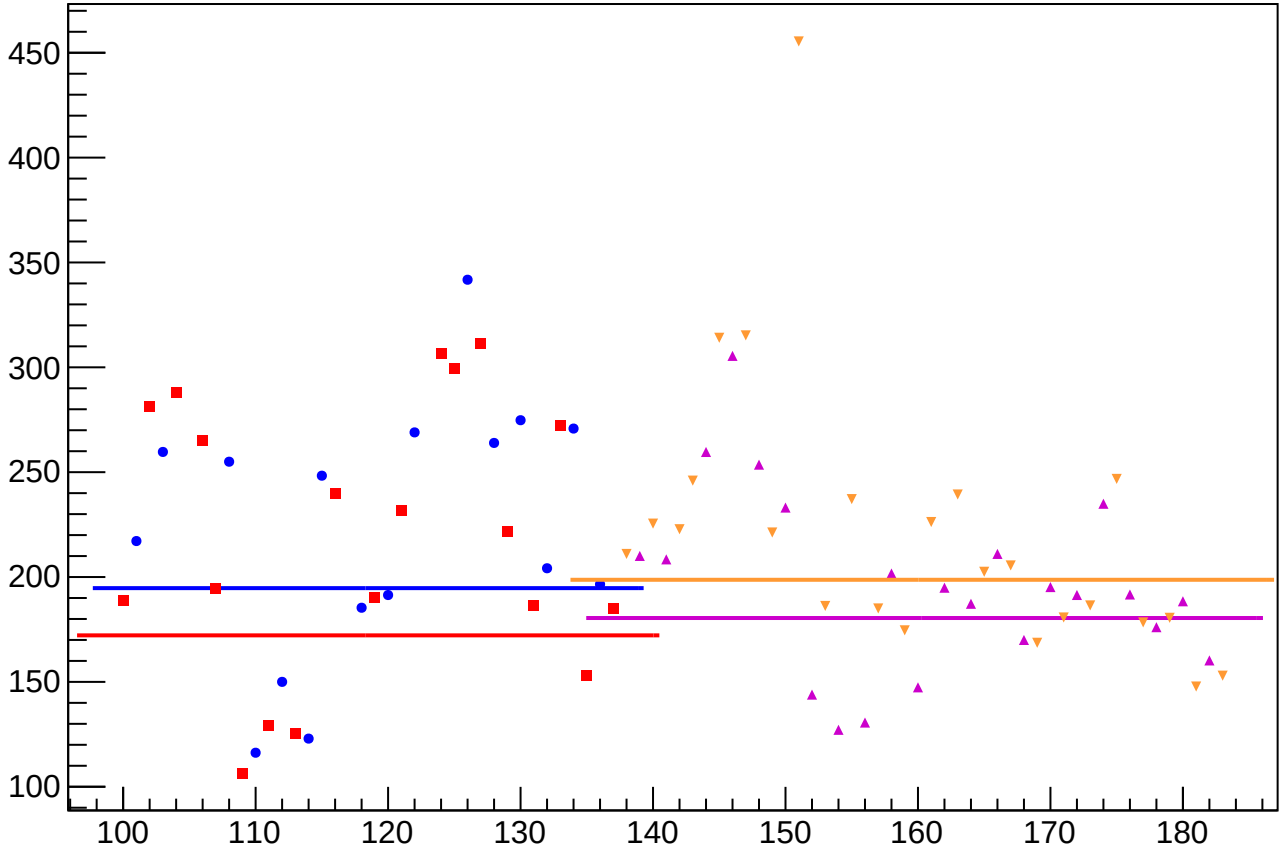
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 81.243+/-38.426 χ^2/NDF:26.7/37

Out: 52.323+/-38.800 χ^2/NDF:34.8/42

All: 66.923+/-27.303 χ^2/NDF: 61.8/80

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: 198.690+/-0.033 χ^2/NDF:1740717.0/23

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 180.459+/-0.031 χ^2/NDF:1611293.0/21

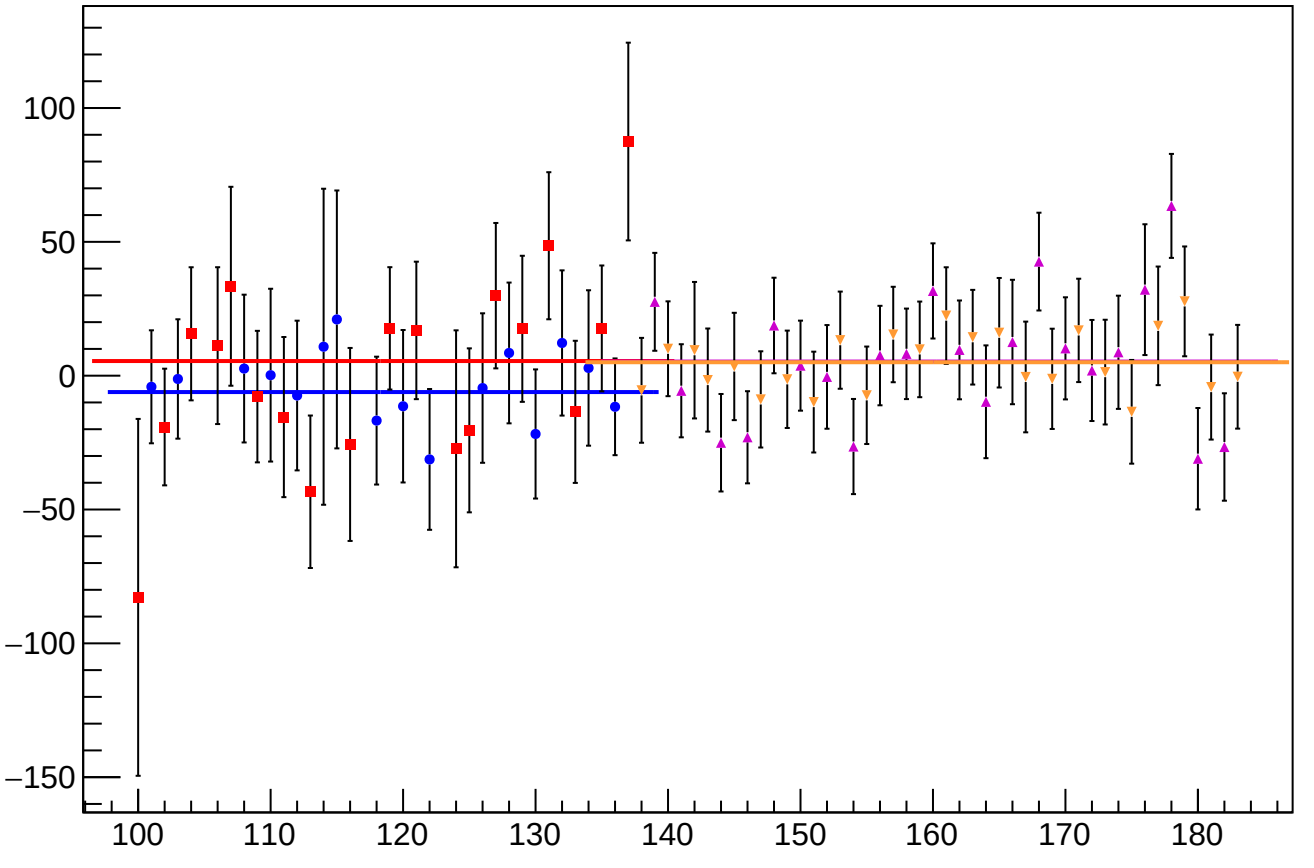
Left: 189.039+/-0.023 χ^2/NDF: 3510531.9/45

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 184.047+/-0.027 χ^2/NDF:2715401.0/37

Out: 190.161+/-0.027 χ^2/NDF:3615446.2/42

All: 187.074+/-0.019 χ^2/NDF: 6355915.5/80



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.026+/-3.915 χ^2/NDF:7.9/23

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: 5.148+/-2.801 χ^2/NDF: 42.7/45

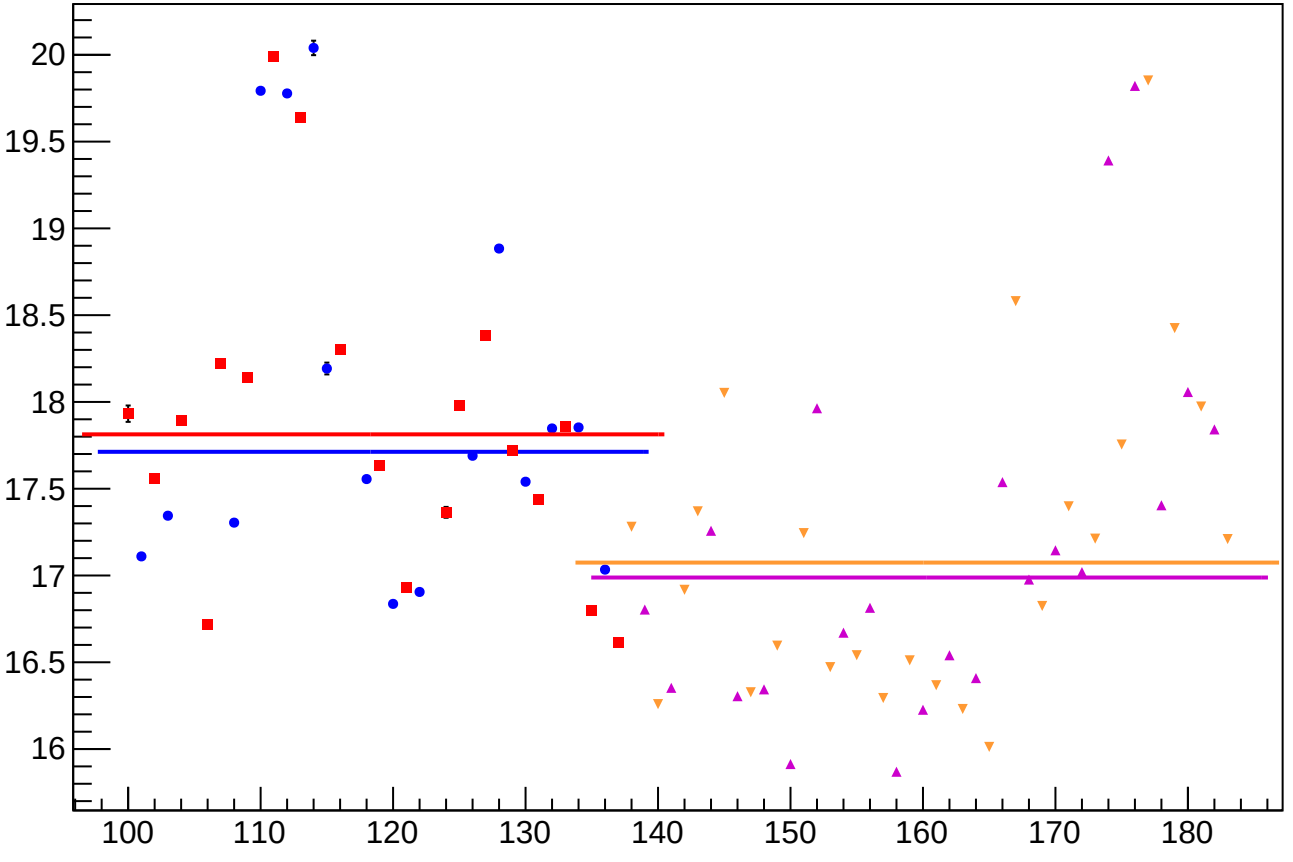
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: 2.198+/-3.426 χ^2/NDF:40.1/37

Out: 5.144+/-3.355 χ^2/NDF:27.1/42

All: 3.702+/-2.397 χ^2/NDF: 67.5/80

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.074+/-0.003 χ^2/NDF:96023.0/23

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: 17.032+/-0.002 χ^2/NDF: 199617.9/45

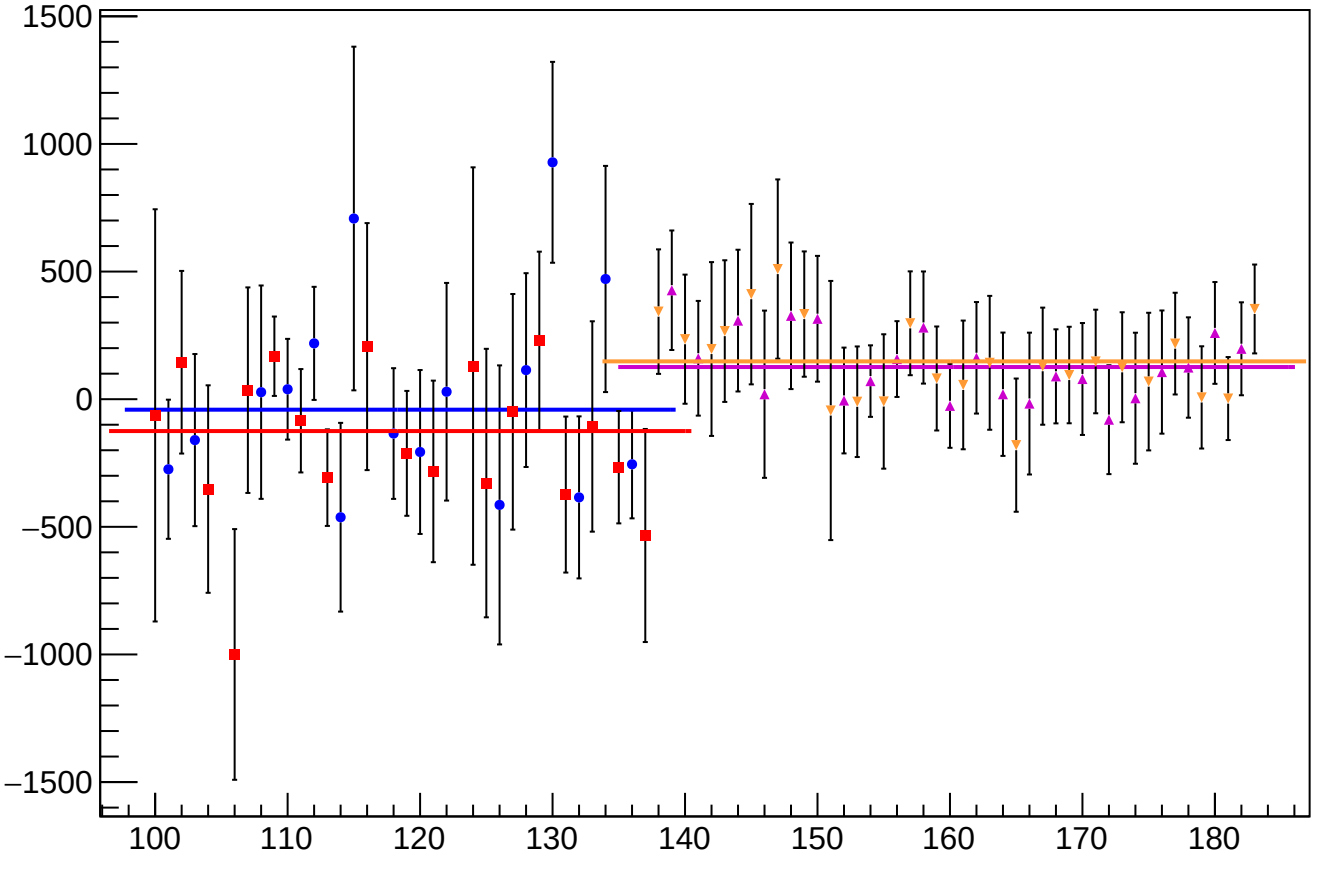
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.184+/-0.002 χ^2/NDF:156730.0/37

Out: 17.271+/-0.002 χ^2/NDF:147661.3/42

All: 17.228+/-0.002 χ^2/NDF: 305045.4/80

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: 148.201+/-47.292 χ^2/NDF:9.5/23

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: 136.442+/-32.441 χ^2/NDF: 17.2/45

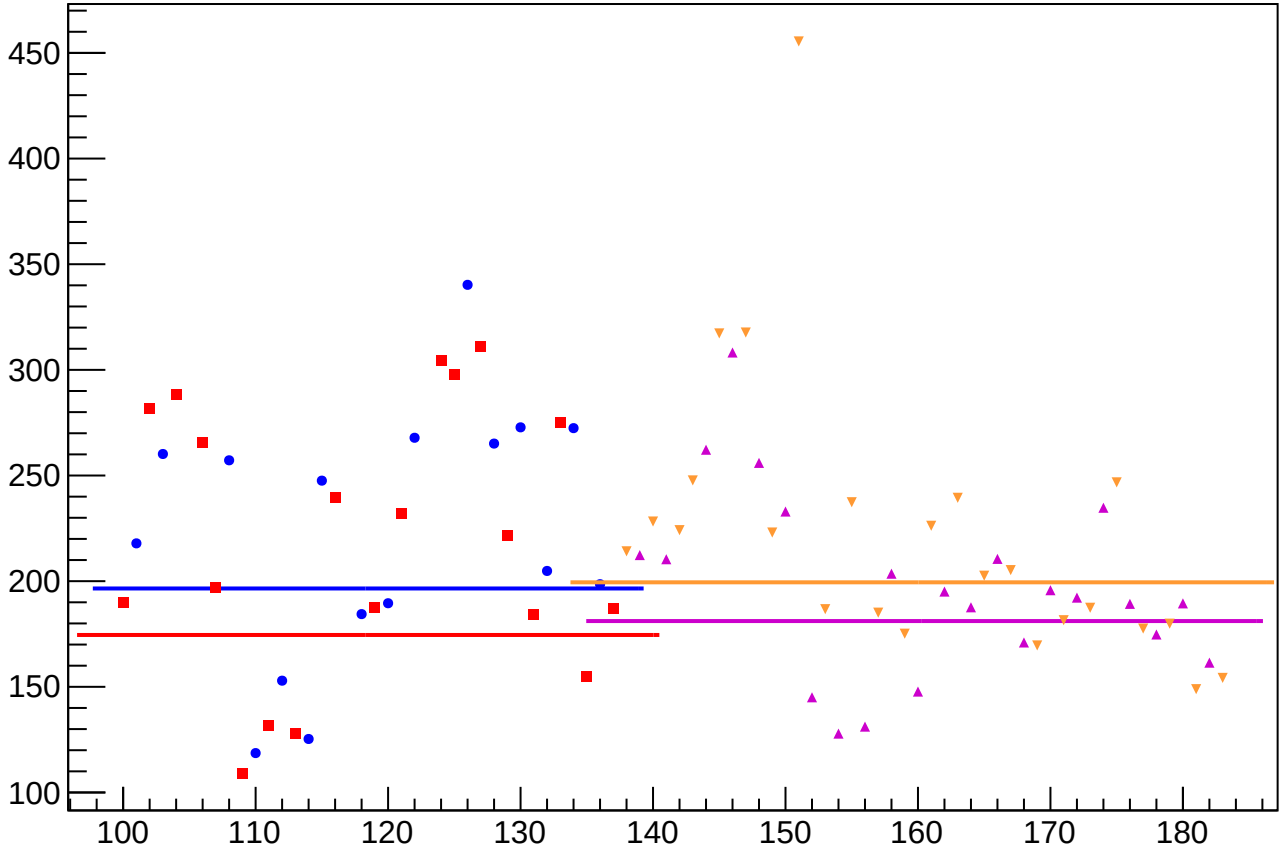
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 84.146+/-38.601 χ^2/NDF:26.7/37

Out: 61.107+/-39.029 χ^2/NDF:33.0/42

All: 72.754+/-27.445 χ^2/NDF: 59.9/80

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: 199.456+/-0.033 χ^2/NDF:1742296.2/23

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: 189.750+/-0.023 χ^2/NDF: 3517217.7/45

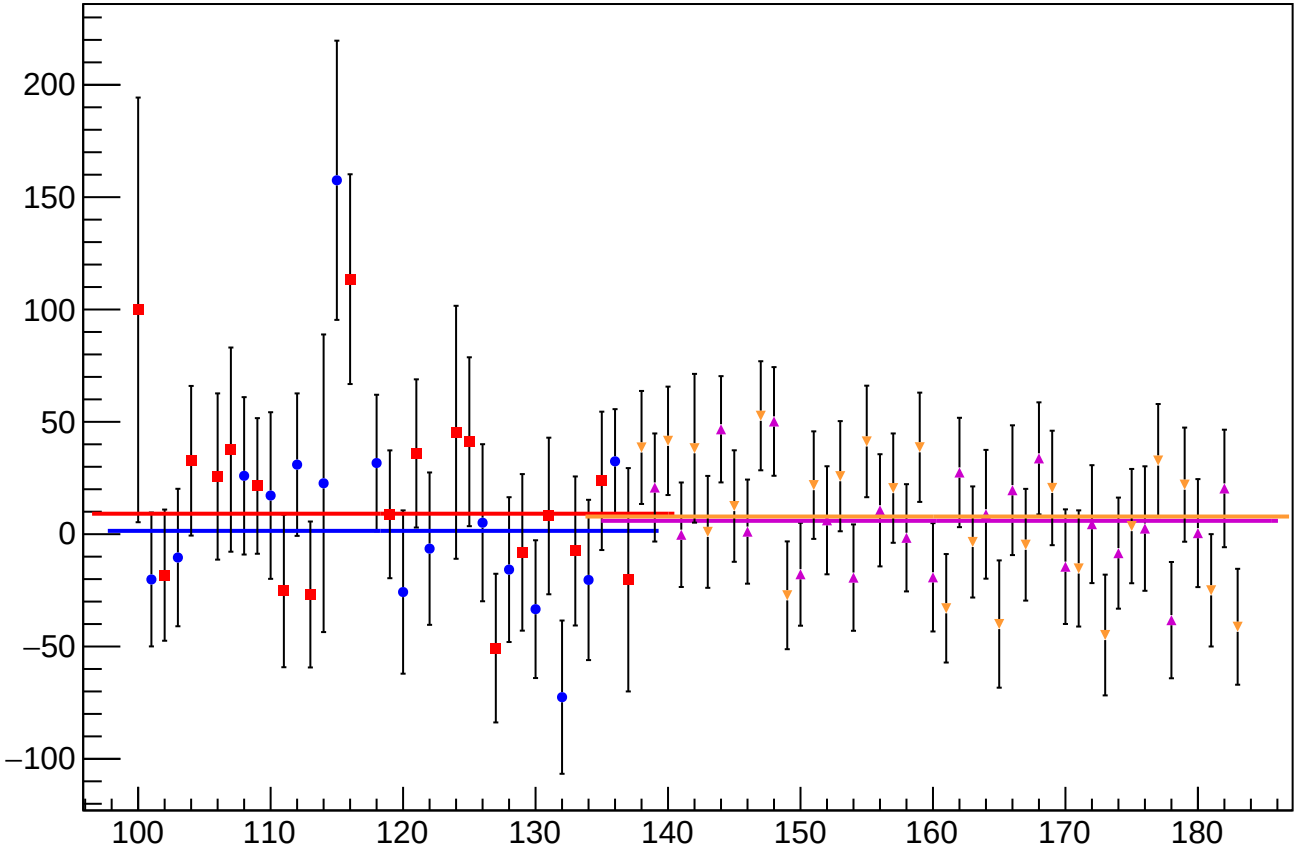
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 184.985+/-0.027 χ^2/NDF:2676486.0/37

Out: 191.509+/-0.028 χ^2/NDF:3508071.6/42

All: 188.211+/-0.019 χ^2/NDF: 6212808.8/80

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: 7.856+/-5.150 χ^2/NDF:32.3/23

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: 6.923+/-3.689 χ^2/NDF: 49.1/45

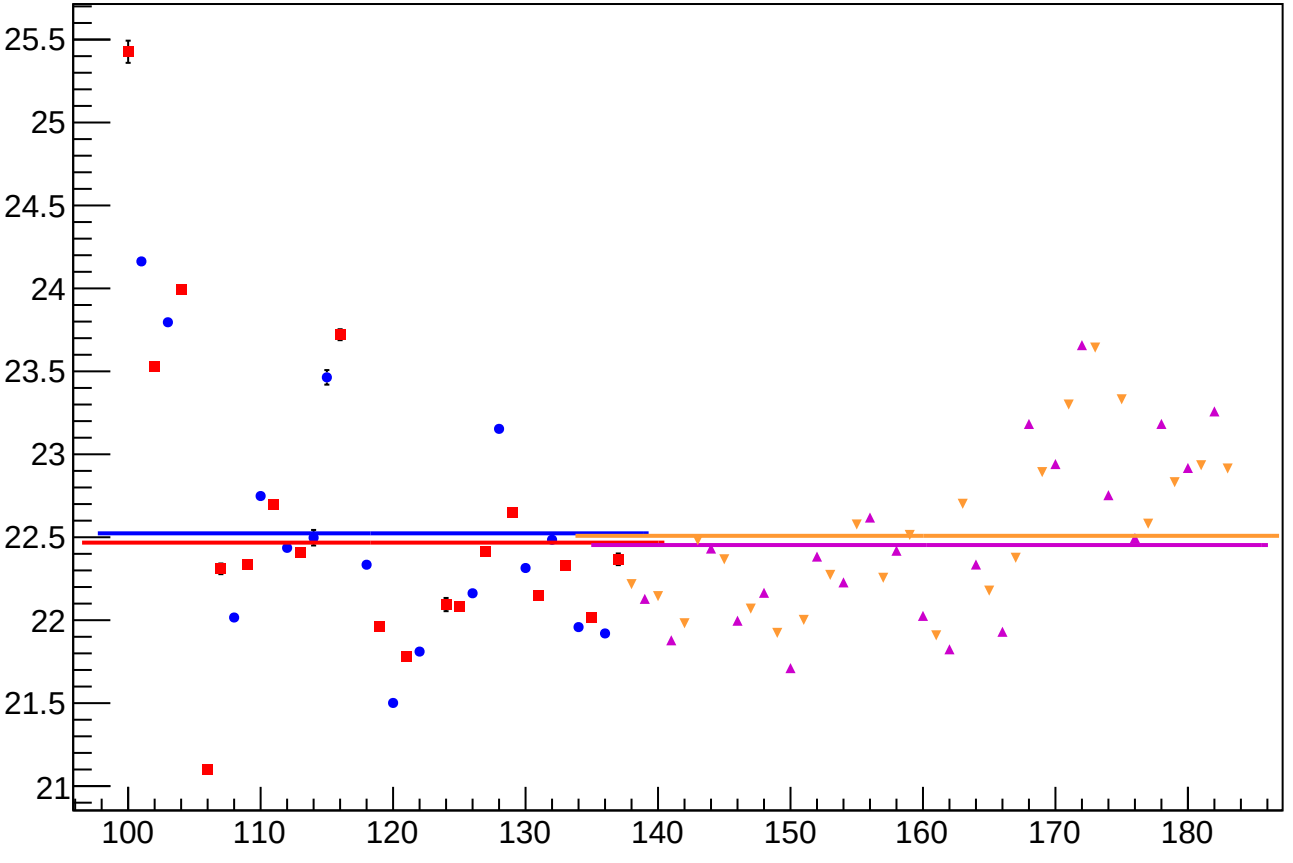
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 4.666+/-4.471 χ^2/NDF:35.6/37

Out: 8.212+/-4.361 χ^2/NDF:48.7/42

All: 6.483+/-3.122 χ^2/NDF: 84.7/80

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: 22.509+/-0.004 χ^2/NDF:15539.8/23

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.453+/-0.004 χ^2/NDF:18878.6/21

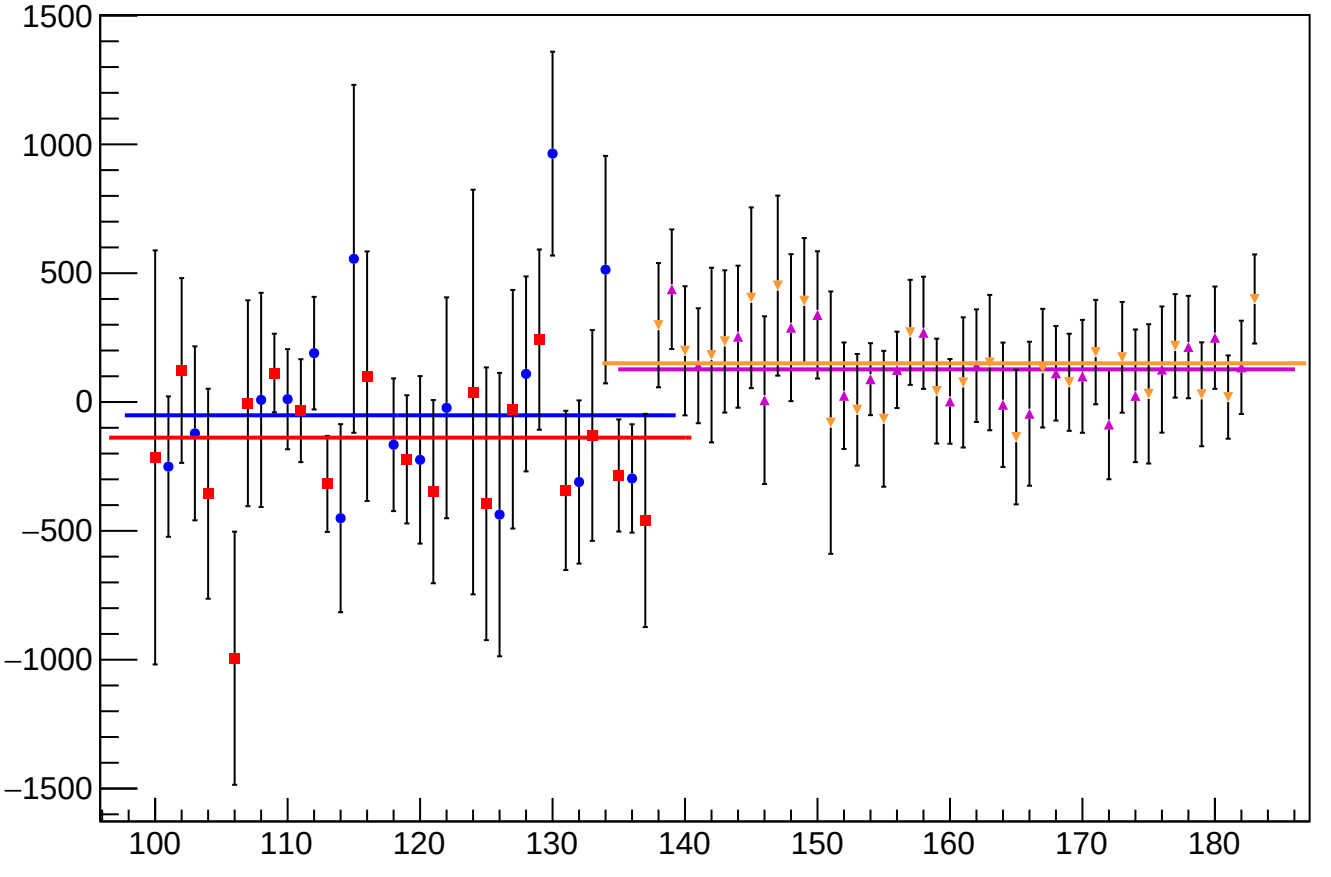
Left: 22.482+/-0.003 χ^2/NDF: 34531.9/45

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.473+/-0.003 χ^2/NDF:34928.0/37

Out: 22.497+/-0.003 χ^2/NDF:31202.2/42

All: 22.485+/-0.002 χ^2/NDF: 66159.4/80



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 150.369+/-47.217 χ^2/NDF:9.9/23

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: 137.903+/-32.389 χ^2/NDF: 17.0/45

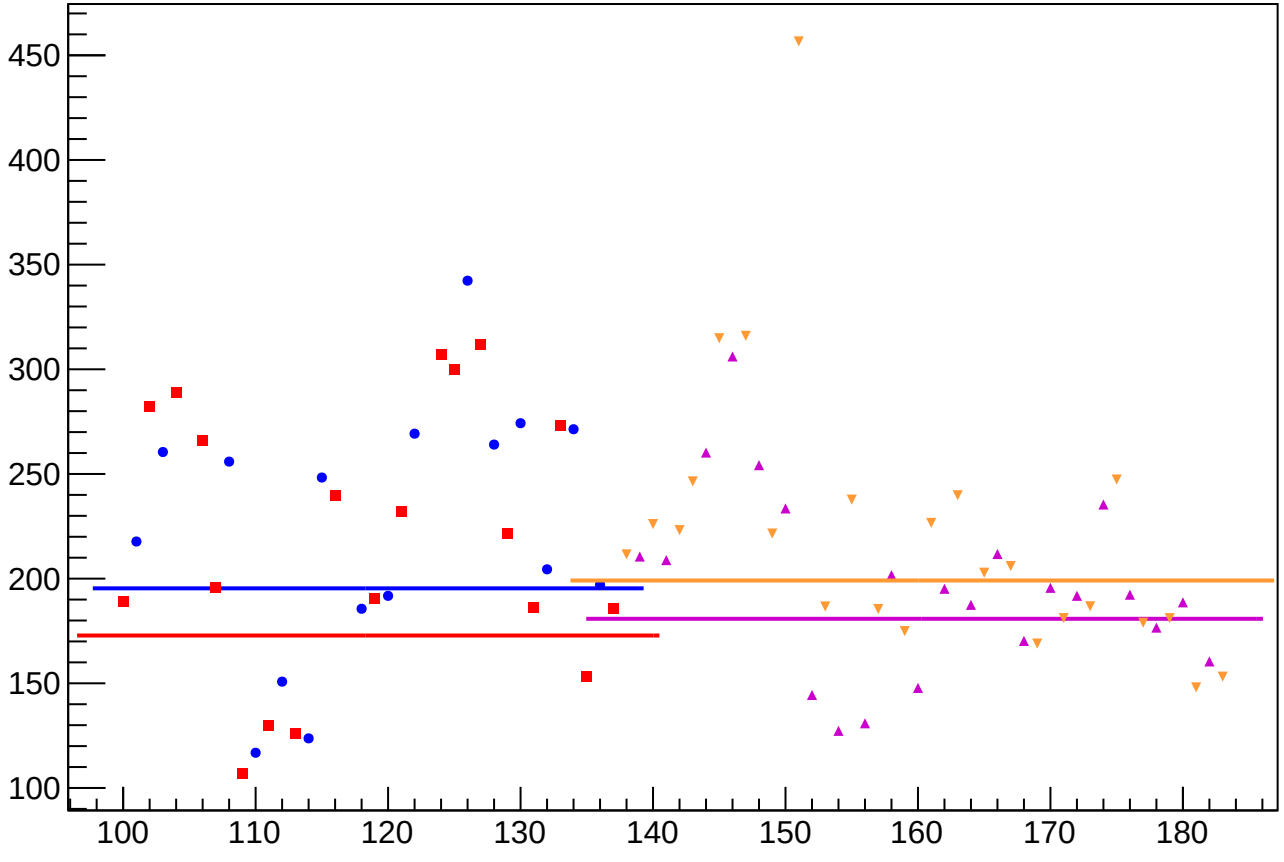
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 81.985+/-38.511 χ^2/NDF:26.4/37

Out: 57.655+/-38.899 χ^2/NDF:33.5/42

All: 69.942+/-27.368 χ^2/NDF: 60.0/80

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: 199.117+/-0.033 χ^2/NDF:1742022.0/23

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: 189.426+/-0.023 χ^2/NDF: 3512906.5/45

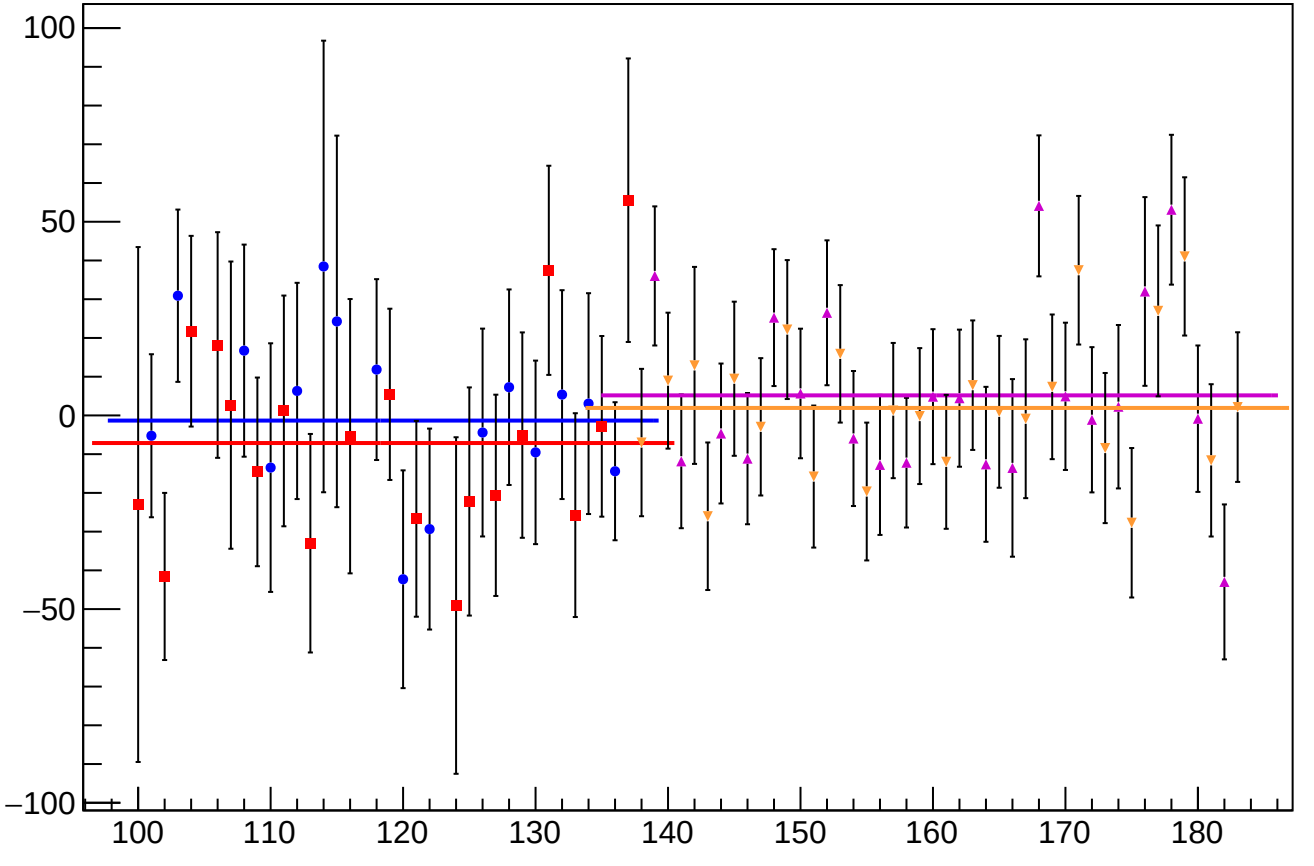
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 184.471+/-0.027 χ^2/NDF:2706895.4/37

Out: 190.673+/-0.028 χ^2/NDF:3600524.7/42

All: 187.541+/-0.019 χ^2/NDF: 6333098.6/80

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: 1.933+/-3.848 χ^2/NDF:19.6/23

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: 3.511+/-2.758 χ^2/NDF: 52.3/45

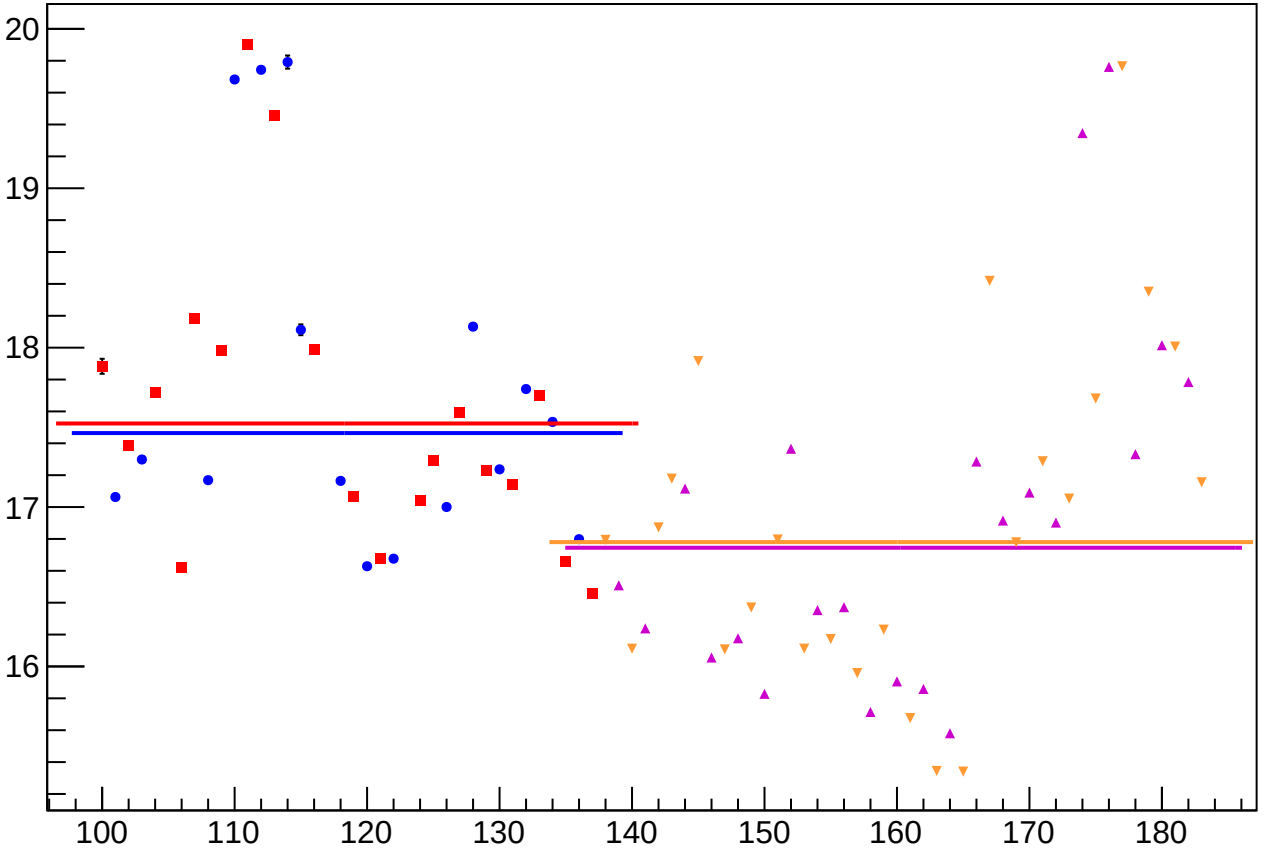
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 3.419+/-3.377 χ^2/NDF:41.0/37

Out: -0.472+/-3.298 χ^2/NDF:35.5/42

All: 1.428+/-2.360 χ^2/NDF: 77.2/80

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: 16.780+/-0.003 χ^2/NDF:135447.7/23

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: 16.763+/-0.002 χ^2/NDF: 257335.2/45

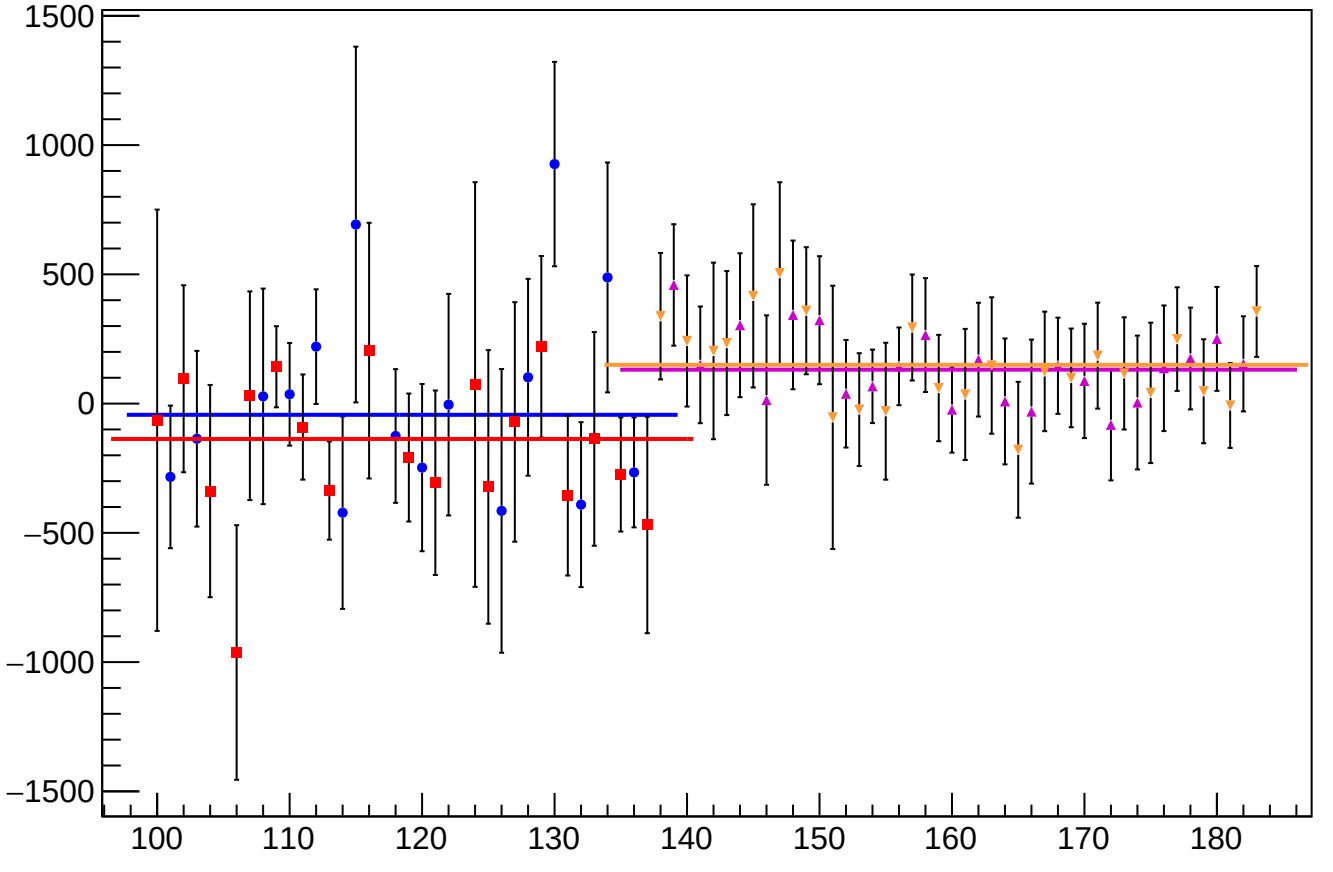
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.939+/-0.002 χ^2/NDF:176349.9/37

Out: 16.978+/-0.002 χ^2/NDF:190021.6/42

All: 16.959+/-0.002 χ^2/NDF: 366506.0/80

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: 149.894+/-47.614 χ^2/NDF:10.0/23

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: 140.042+/-32.679 χ^2/NDF: 17.6/45

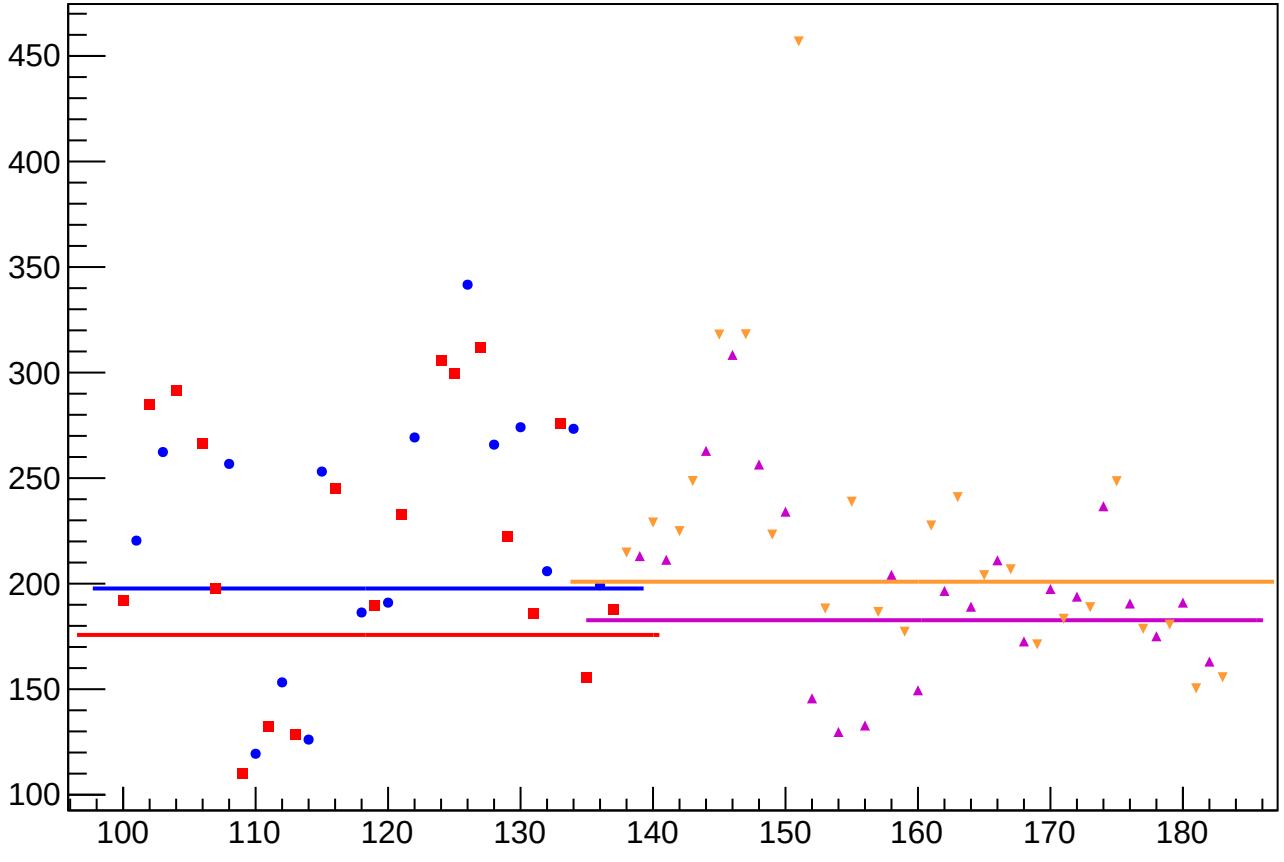
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 87.403+/-38.882 χ^2/NDF:26.8/37

Out: 58.424+/-39.290 χ^2/NDF:33.1/42

All: 73.065+/-27.637 χ^2/NDF: 60.1/80

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: 200.919+/-0.034 χ^2/NDF:1713367.9/23

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 182.673+/-0.032 χ^2/NDF:1572249.6/21

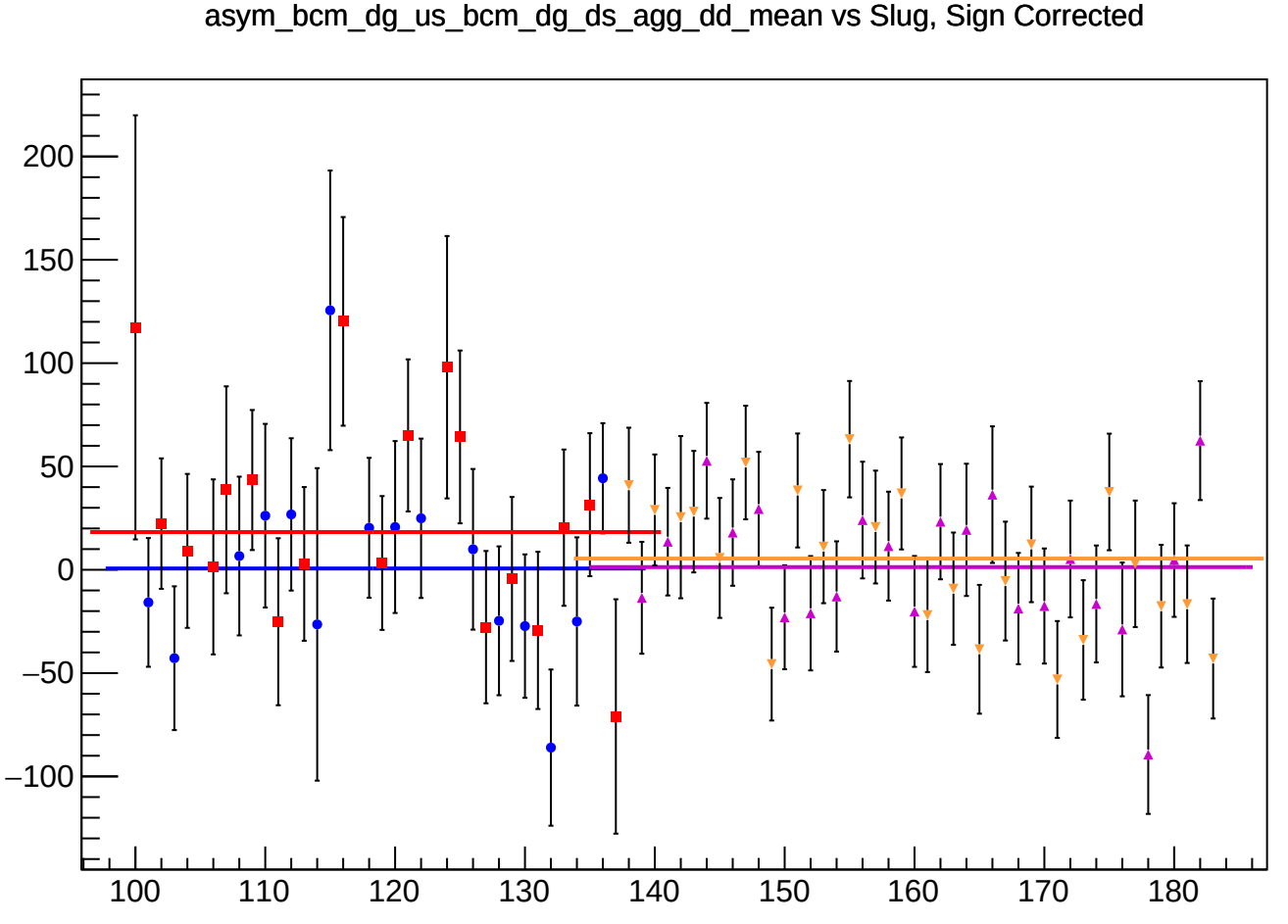
Left: 191.268+/-0.023 χ^2/NDF: 3440967.8/45

Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 186.449+/-0.027 χ^2/NDF:2628812.4/37

Out: 192.877+/-0.028 χ^2/NDF:3482729.6/42

All: 189.630+/-0.020 χ^2/NDF: 6138588.6/80



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 5.411+/-5.826 χ^2/NDF:31.8/23

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 1.294+/-5.939 χ^2/NDF:27.5/21

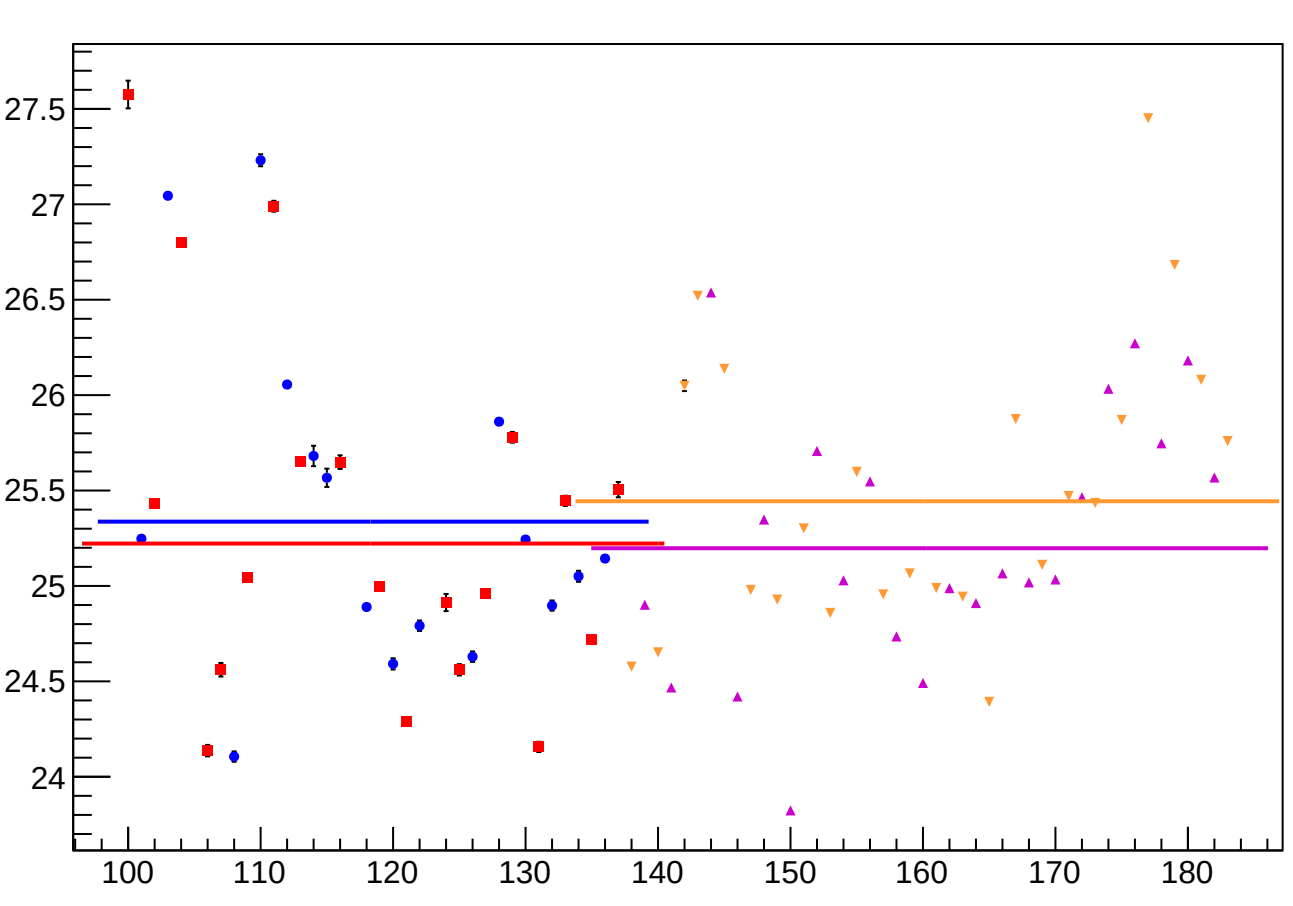
Left: 3.392+/-4.159 χ^2/NDF: 59.6/45

Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 1.102+/-5.024 χ^2/NDF:44.2/37

Out: 9.081+/-4.923 χ^2/NDF:51.2/42

All: 5.172+/-3.517 χ^2/NDF: 96.8/80



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.444+/-0.004 χ^2/NDF:29317.4/23

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: 25.323+/-0.003 χ^2/NDF: 56584.6/45

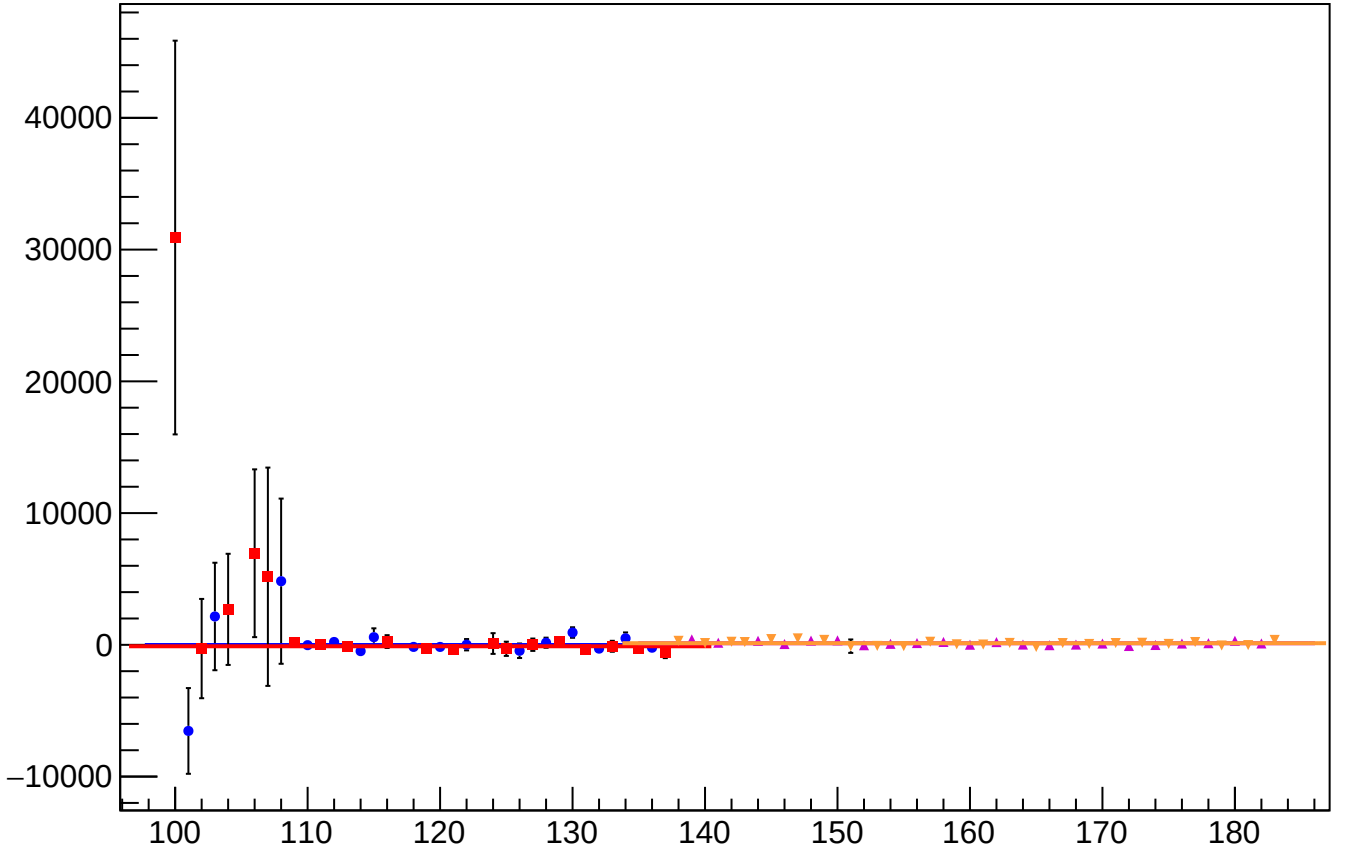
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.237+/-0.004 χ^2/NDF:40143.6/37

Out: 25.380+/-0.003 χ^2/NDF:45369.7/42

All: 25.310+/-0.002 χ^2/NDF: 86342.3/80

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 123.392+/-47.496 χ^2/NDF:11.0/23

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: 122.571+/-32.816 χ^2/NDF: 18.6/45

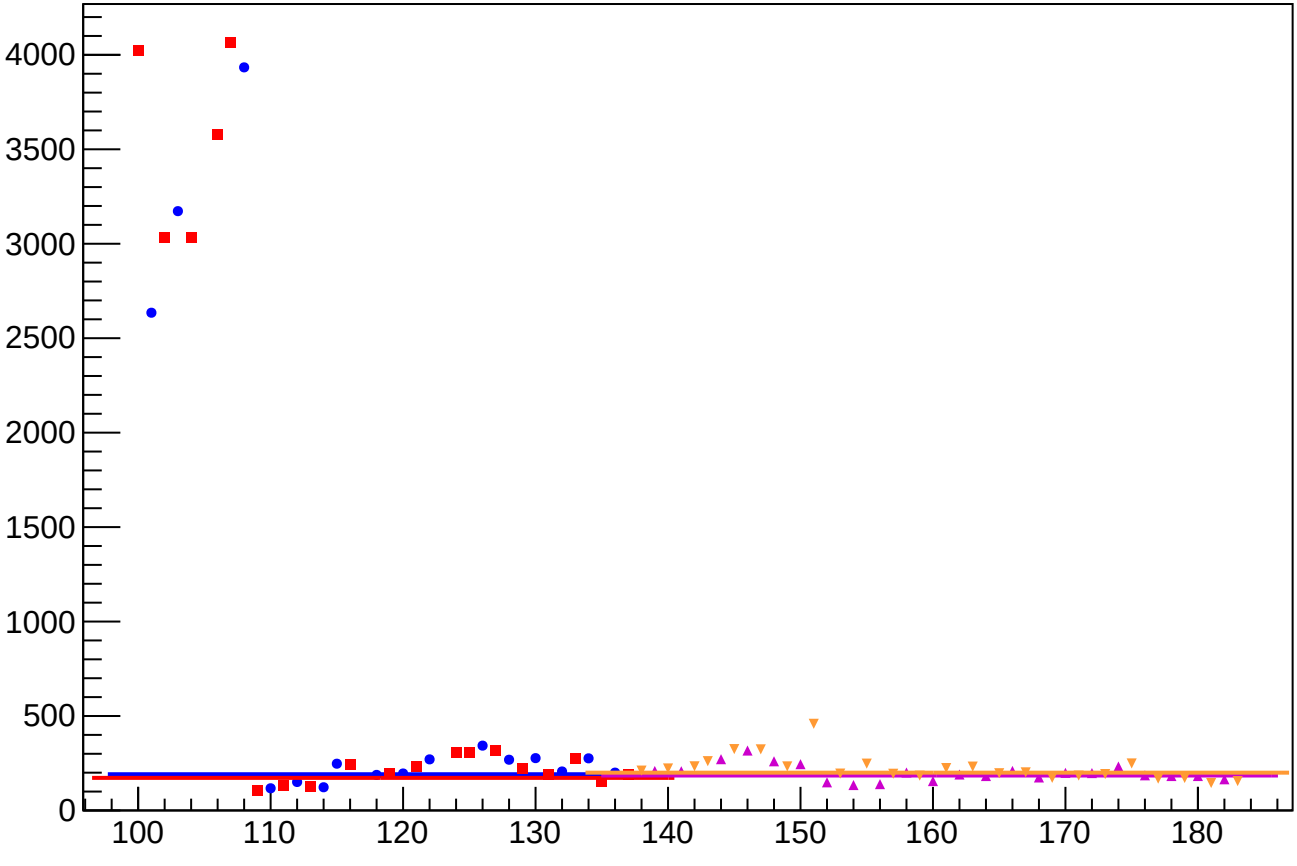
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 91.191+/-40.010 χ^2/NDF:27.9/37

Out: 60.696+/-40.580 χ^2/NDF:31.5/42

All: 76.159+/-28.491 χ^2/NDF: 59.7/80

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: 200.079+/-0.034 χ^2/NDF:1858417.5/23

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: 192.194+/-0.023 χ^2/NDF: 3395317.6/45

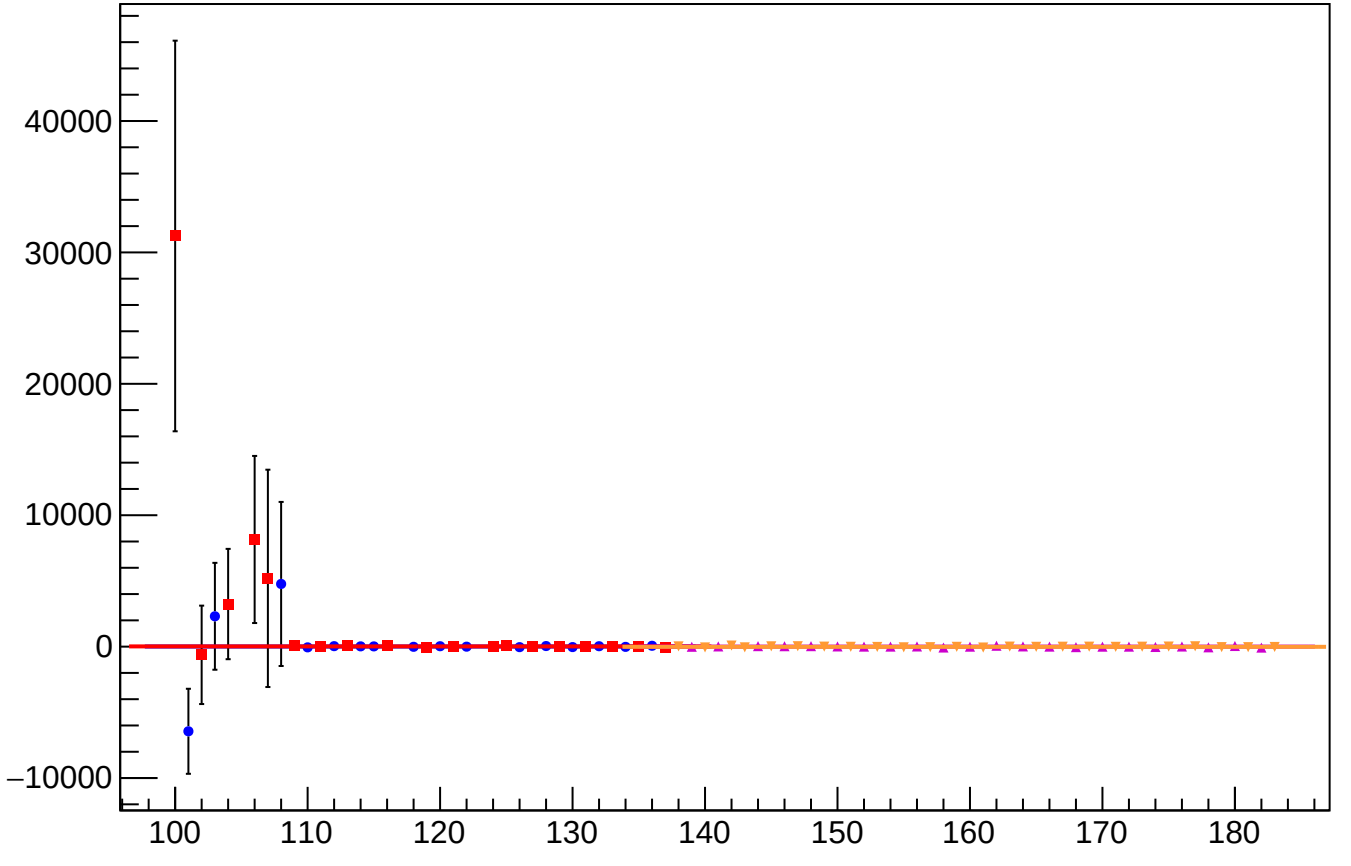
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 186.496+/-0.028 χ^2/NDF:5263080.0/37

Out: 192.623+/-0.029 χ^2/NDF:6344108.1/42

All: 189.516+/-0.020 χ^2/NDF: 11630304.1/80

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: -14.165+/-6.556 χ^2/NDF:21.5/23

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: -6.267+/-4.706 χ^2/NDF: 52.8/45

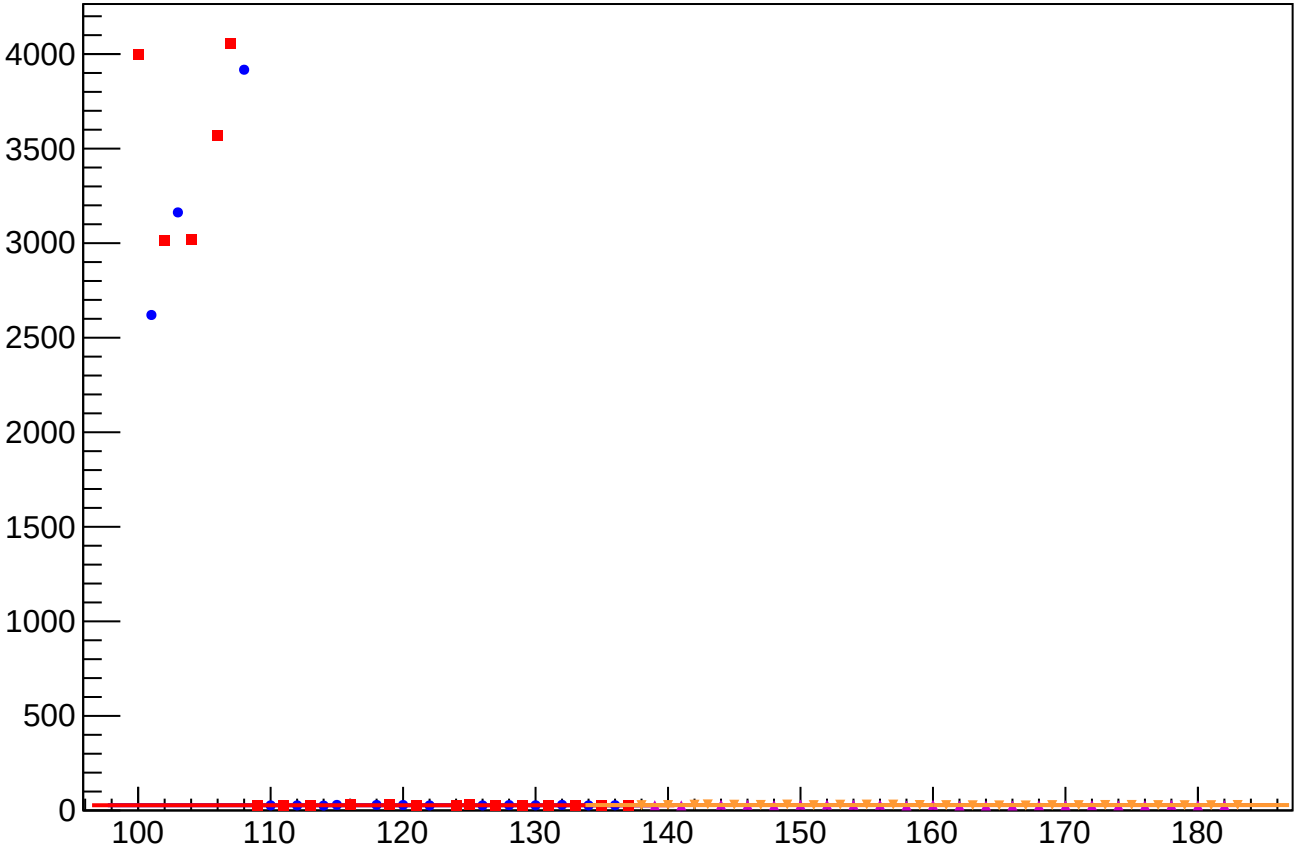
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 3.995+/-5.850 χ^2/NDF:44.6/37

Out: -6.559+/-5.731 χ^2/NDF:52.0/42

All: -1.390+/-4.094 χ^2/NDF: 98.2/80

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: 28.585+/-0.005 χ^2/NDF:88130.5/23

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: 28.595+/-0.003 χ^2/NDF: 211067.3/45

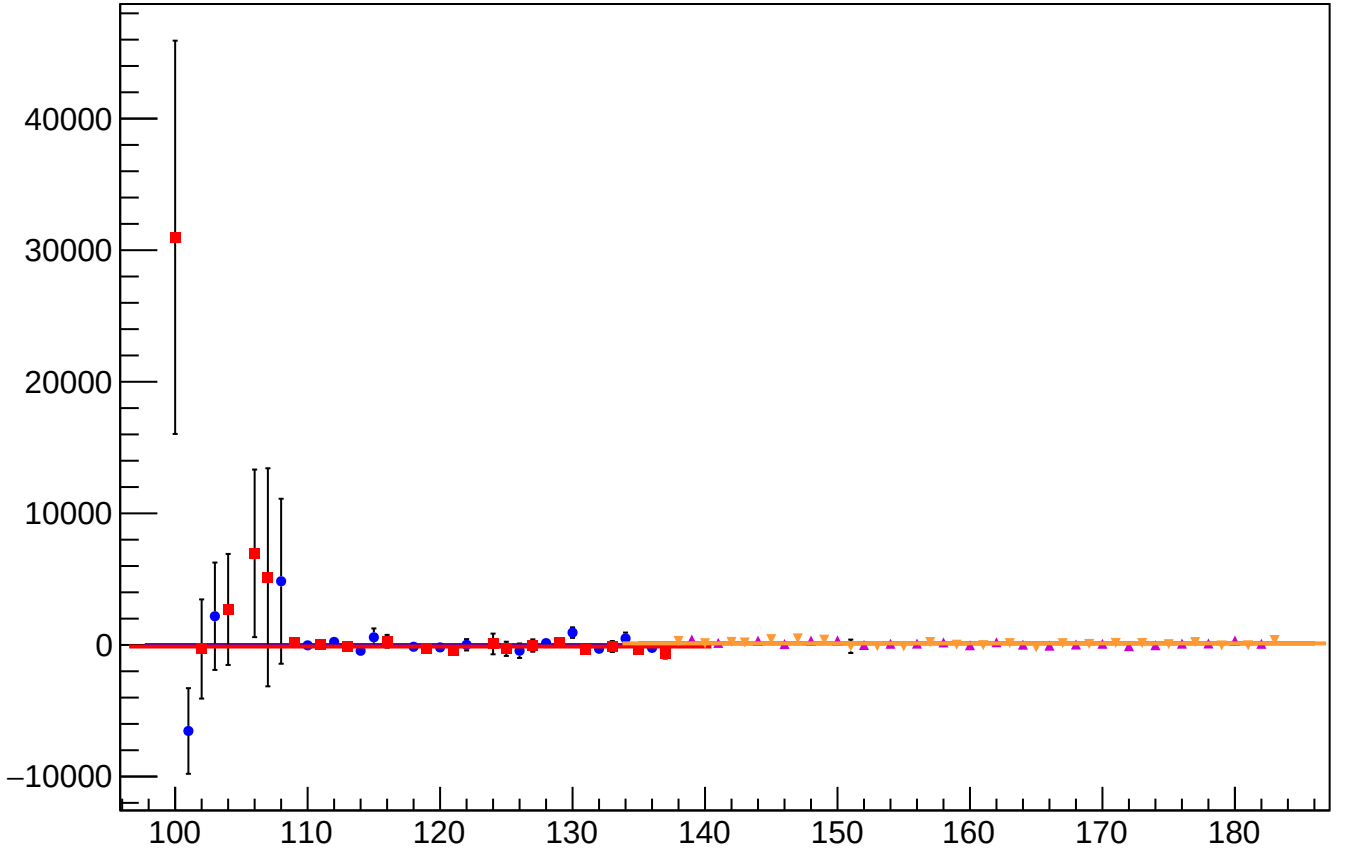
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.364+/-0.004 χ^2/NDF:3398622.2/37

Out: 28.338+/-0.004 χ^2/NDF:3655469.7/42

All: 28.350+/-0.003 χ^2/NDF: 7054112.3/80

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: 119.775+/-47.393 χ^2/NDF:11.9/23

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: 119.851+/-32.750 χ^2/NDF: 20.0/45

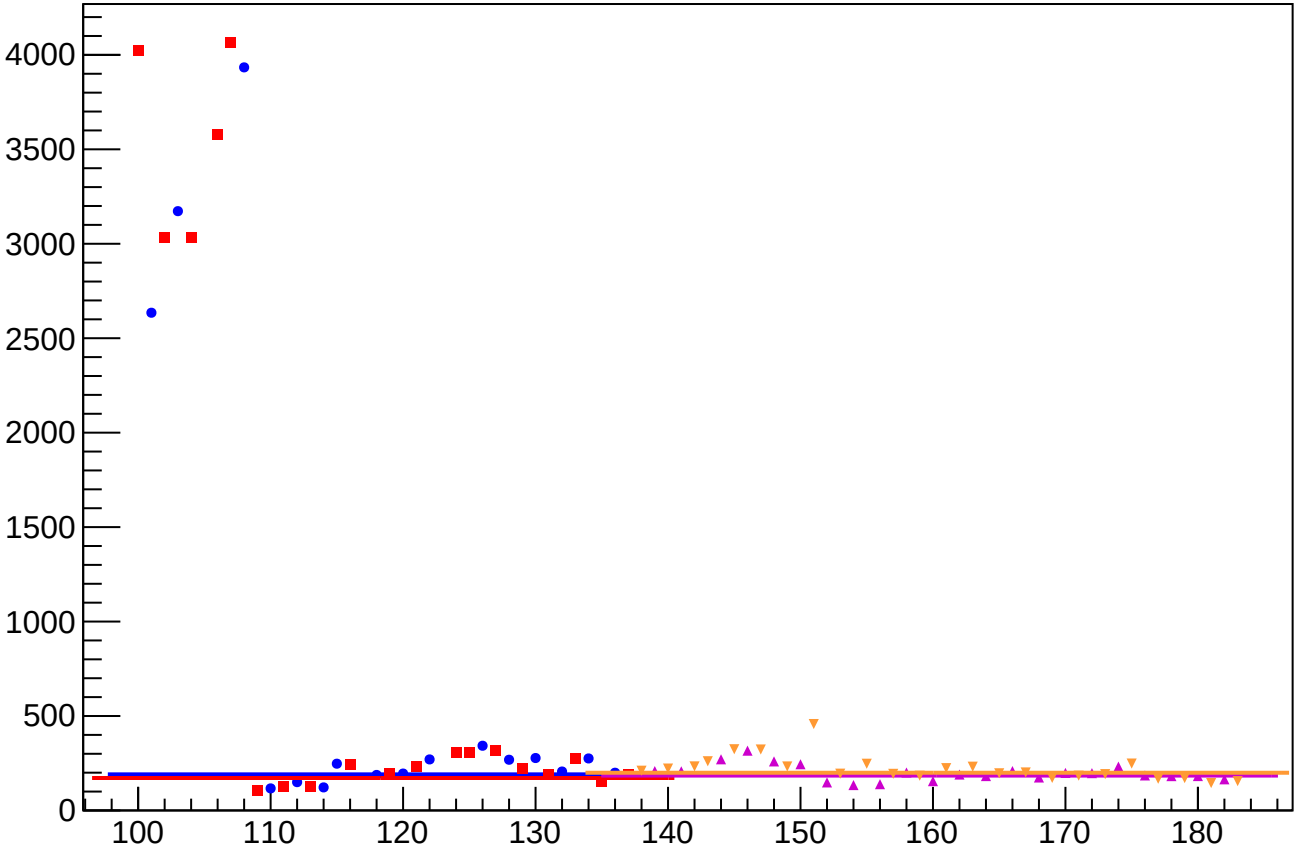
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 90.180+/-39.925 χ^2/NDF:28.4/37

Out: 55.479+/-40.483 χ^2/NDF:33.1/42

All: 73.070+/-28.426 χ^2/NDF: 61.9/80

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: 199.650+/-0.034 χ^2/NDF:1857950.6/23

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: 191.807+/-0.023 χ^2/NDF: 3393421.3/45

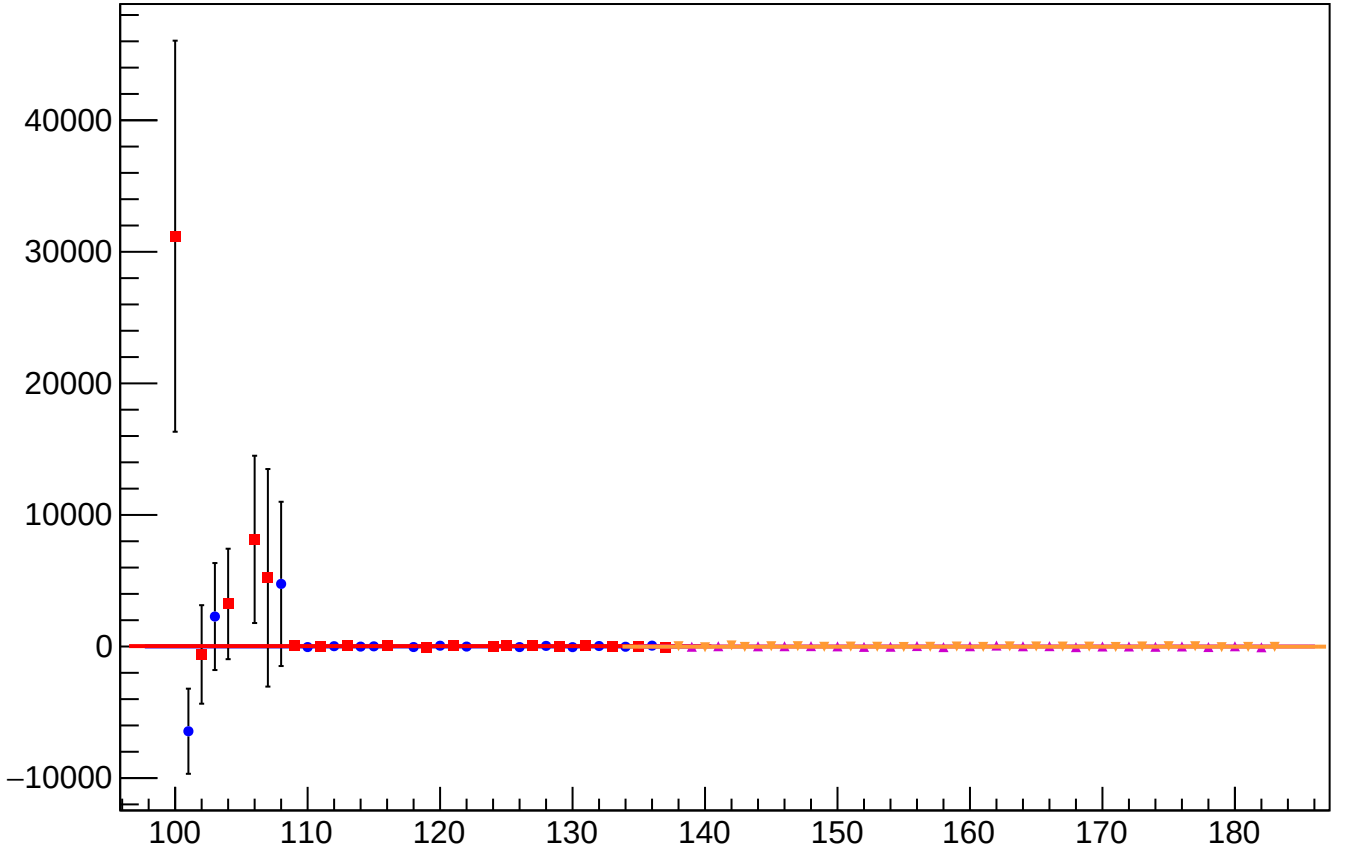
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 186.077+/-0.028 χ^2/NDF:5273598.9/37

Out: 192.131+/-0.029 χ^2/NDF:6358909.2/42

All: 189.062+/-0.020 χ^2/NDF: 11655183.0/80

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: -11.016+/-6.585 χ^2/NDF:16.7/23

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: -4.238+/-4.727 χ^2/NDF: 40.8/45

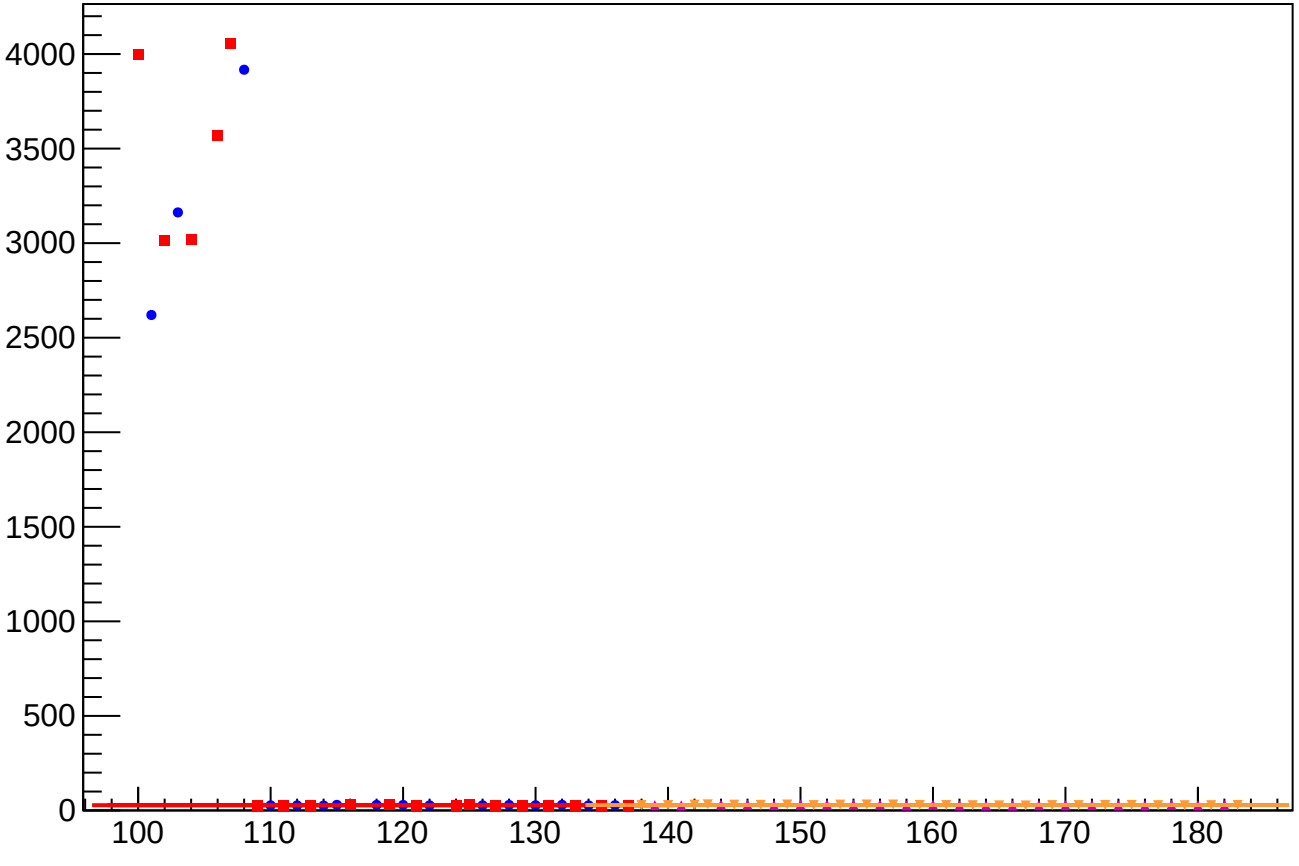
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 3.844+/-5.880 χ^2/NDF:40.3/37

Out: -1.177+/-5.762 χ^2/NDF:46.1/42

All: 1.283+/-4.115 χ^2/NDF: 86.8/80

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: 28.709+/-0.005 χ^2/NDF:98855.4/23

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.730+/-0.005 χ^2/NDF:127373.2/21

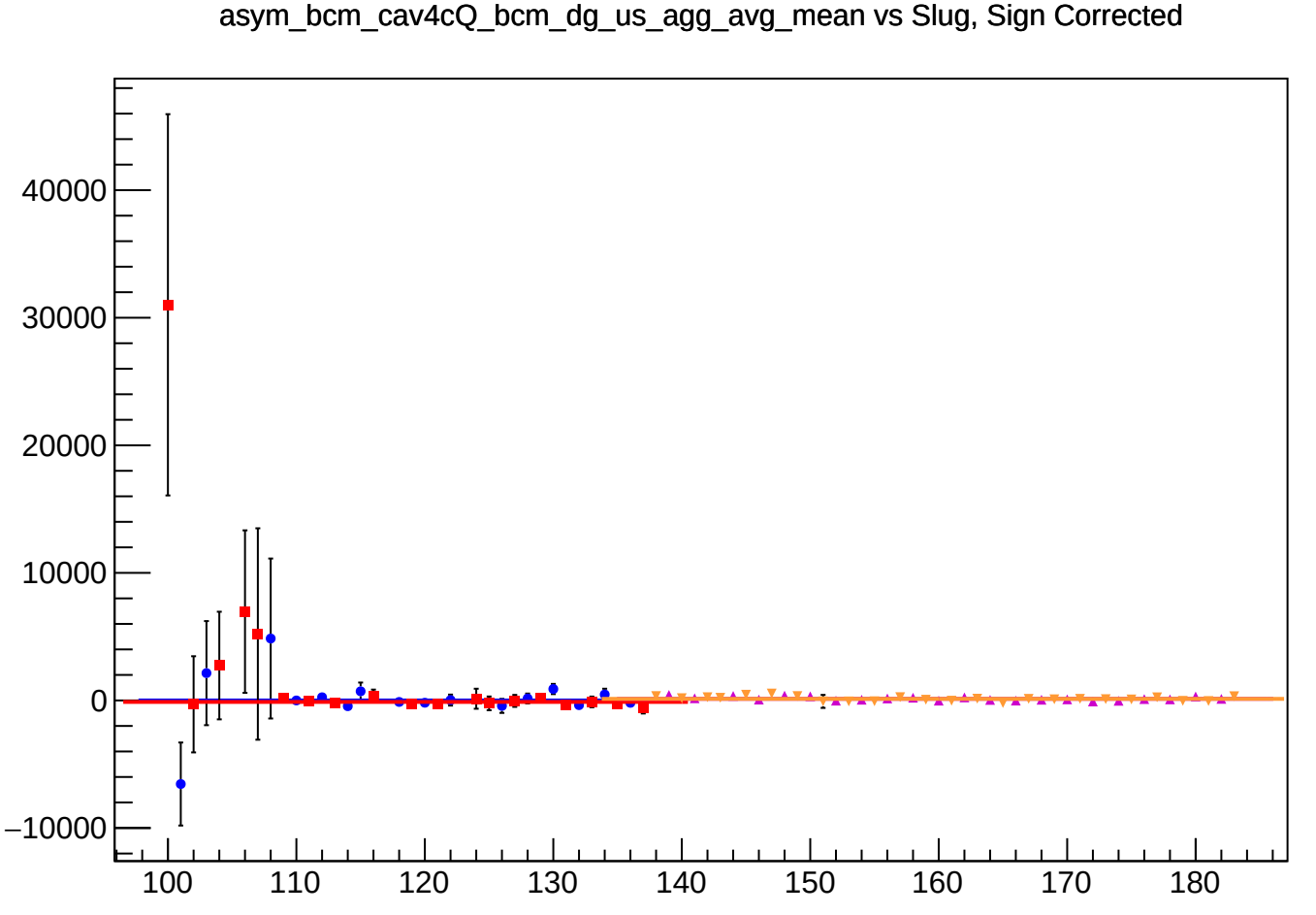
Left: 28.719+/-0.003 χ^2/NDF: 226238.0/45

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.504+/-0.004 χ^2/NDF:3402142.8/37

Out: 28.485+/-0.004 χ^2/NDF:3667403.6/42

All: 28.494+/-0.003 χ^2/NDF: 7069556.4/80



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 123.186+/-47.868 χ^2/NDF:11.3/23

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: 124.905+/-33.089 χ^2/NDF: 19.6/45

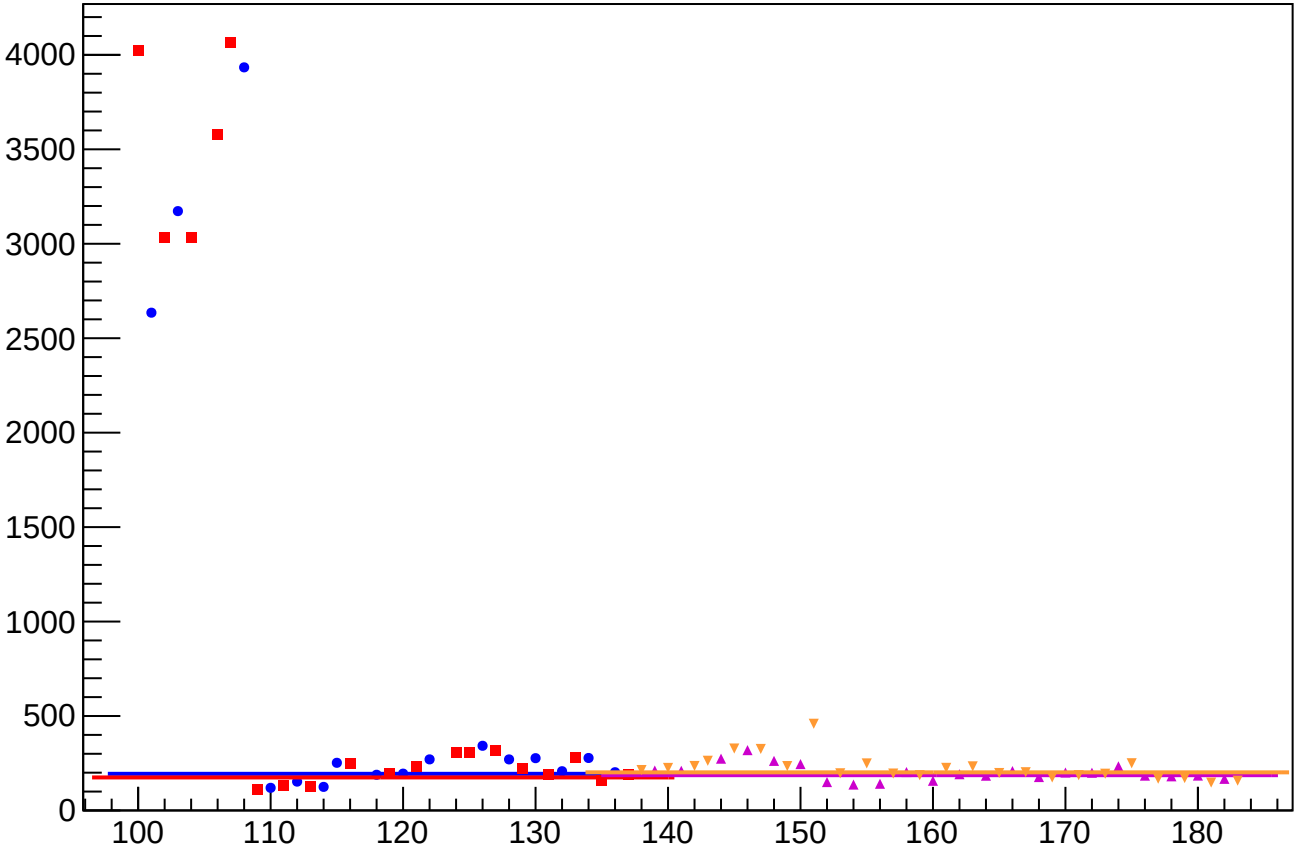
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 97.668+/-40.367 χ^2/NDF:28.2/37

Out: 58.963+/-40.932 χ^2/NDF:31.8/42

All: 78.584+/-28.742 χ^2/NDF: 60.5/80

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: 201.750+/-0.034 χ^2/NDF:1838215.8/23

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: 193.917+/-0.023 χ^2/NDF: 3340071.6/45

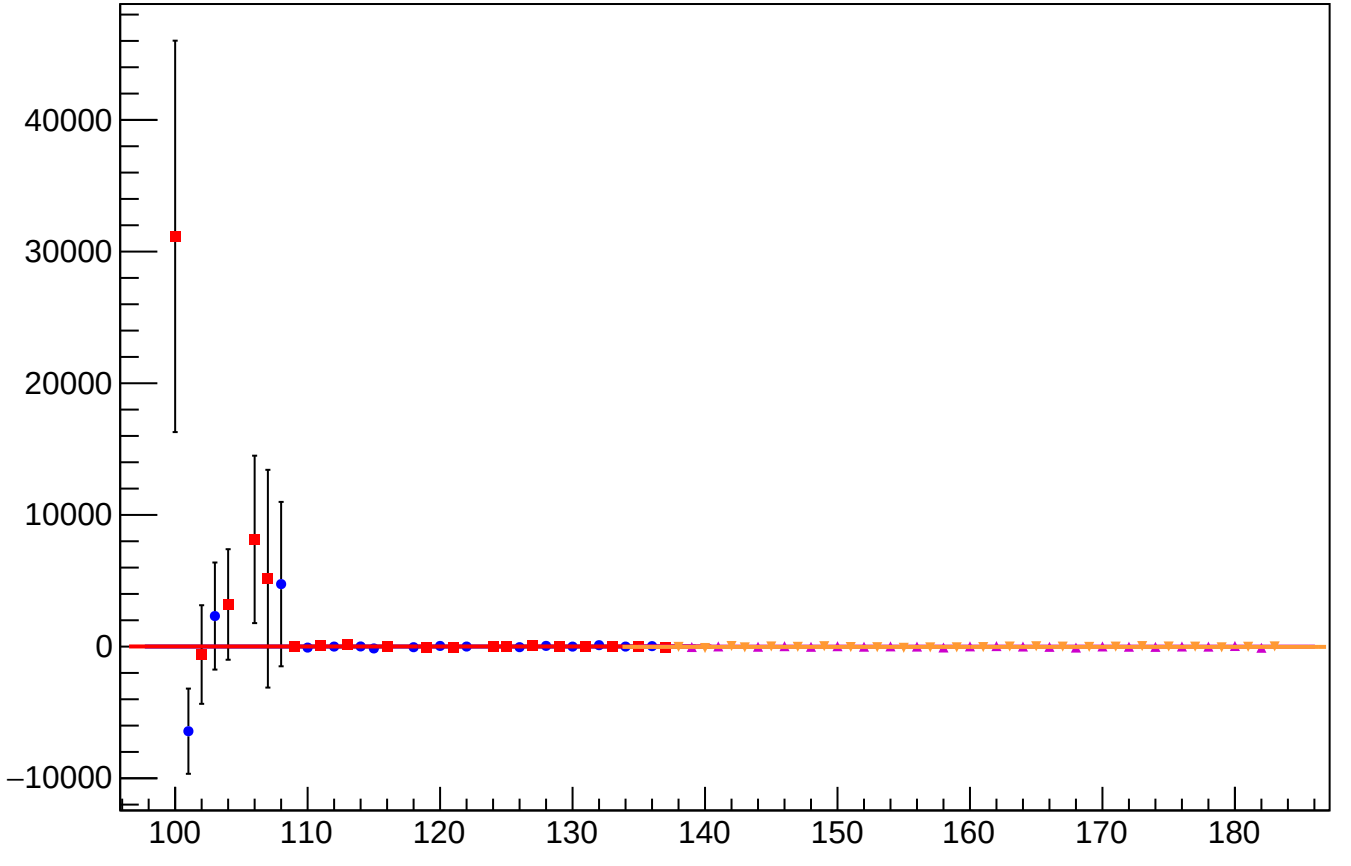
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 188.352+/-0.029 χ^2/NDF:5194767.4/37

Out: 194.501+/-0.029 χ^2/NDF:6268193.9/42

All: 191.384+/-0.020 χ^2/NDF: 11485835.8/80

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: -21.846+/-7.886 χ^2/NDF:22.4/23

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: -12.983+/-5.667 χ^2/NDF: 43.7/45

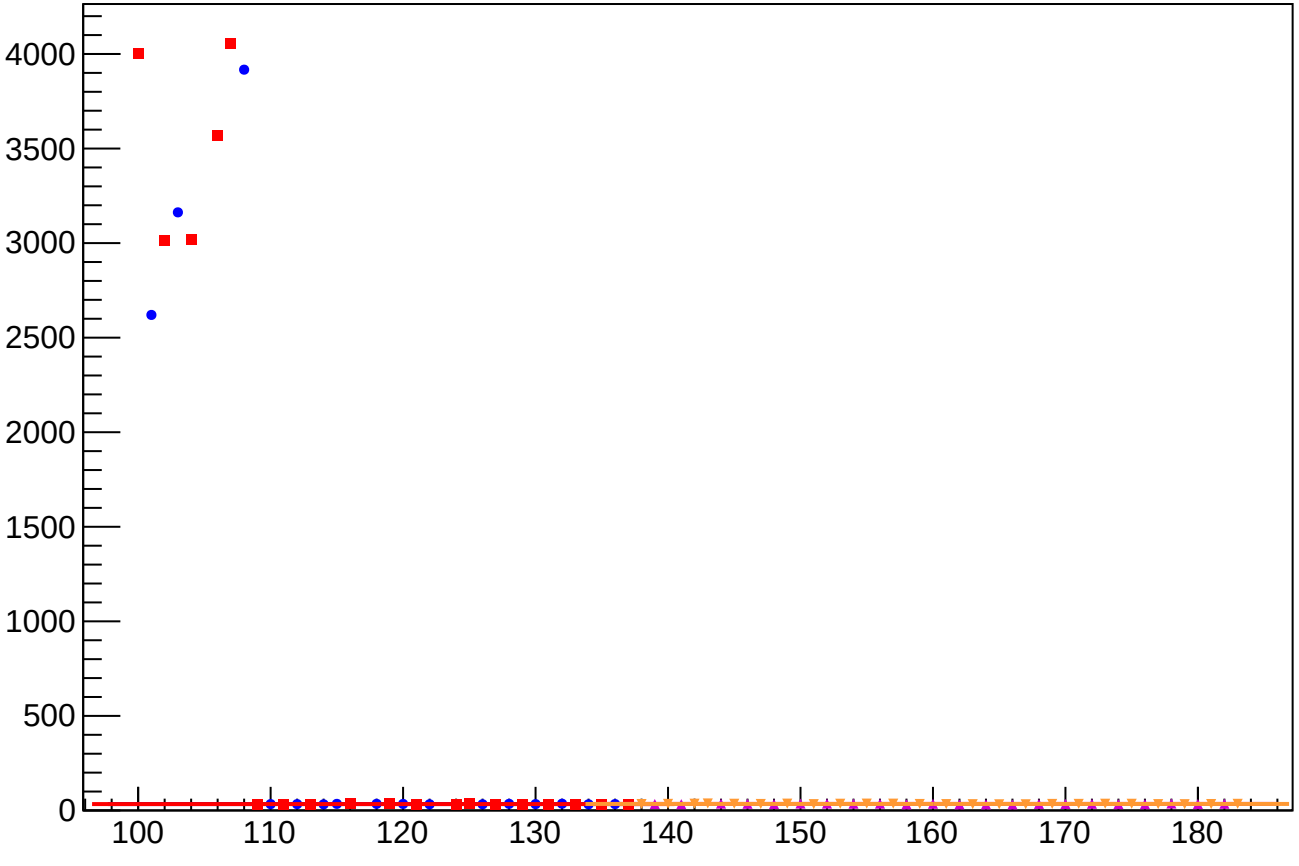
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: -1.271+/-7.080 χ^2/NDF:36.5/37

Out: -14.524+/-6.920 χ^2/NDF:49.6/42

All: -8.049+/-4.949 χ^2/NDF: 87.9/80

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: 34.429+/-0.006 χ^2/NDF:44445.1/23

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.545+/-0.006 χ^2/NDF:59185.2/21

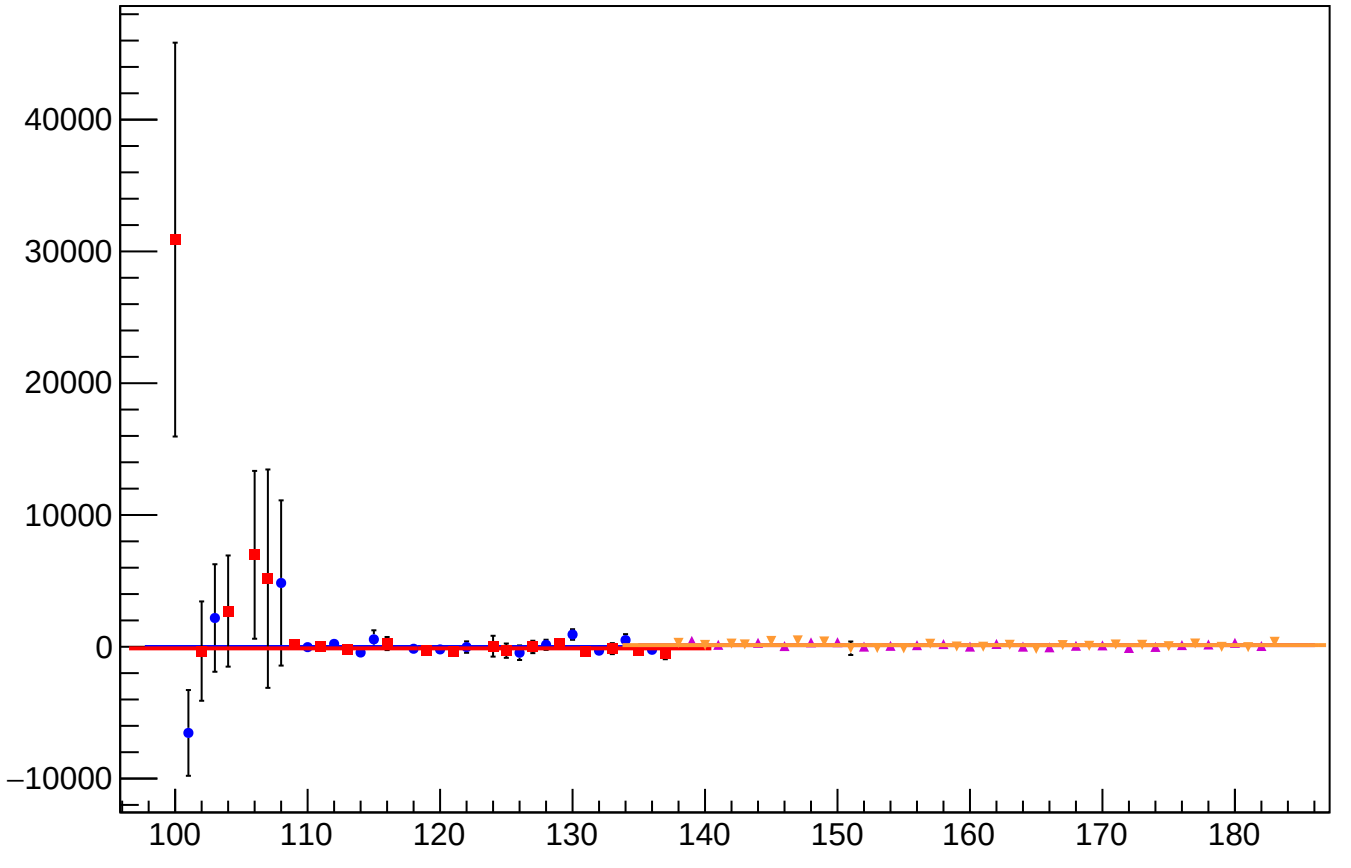
Left: 34.485+/-0.004 χ^2/NDF: 103840.1/45

Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.387+/-0.005 χ^2/NDF:3306641.6/37

Out: 34.267+/-0.005 χ^2/NDF:3574559.9/42

All: 34.326+/-0.003 χ^2/NDF: 6881493.3/80



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 125.516+/-47.799 χ^2/NDF:11.6/23

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: 126.438+/-33.041 χ^2/NDF: 19.1/45

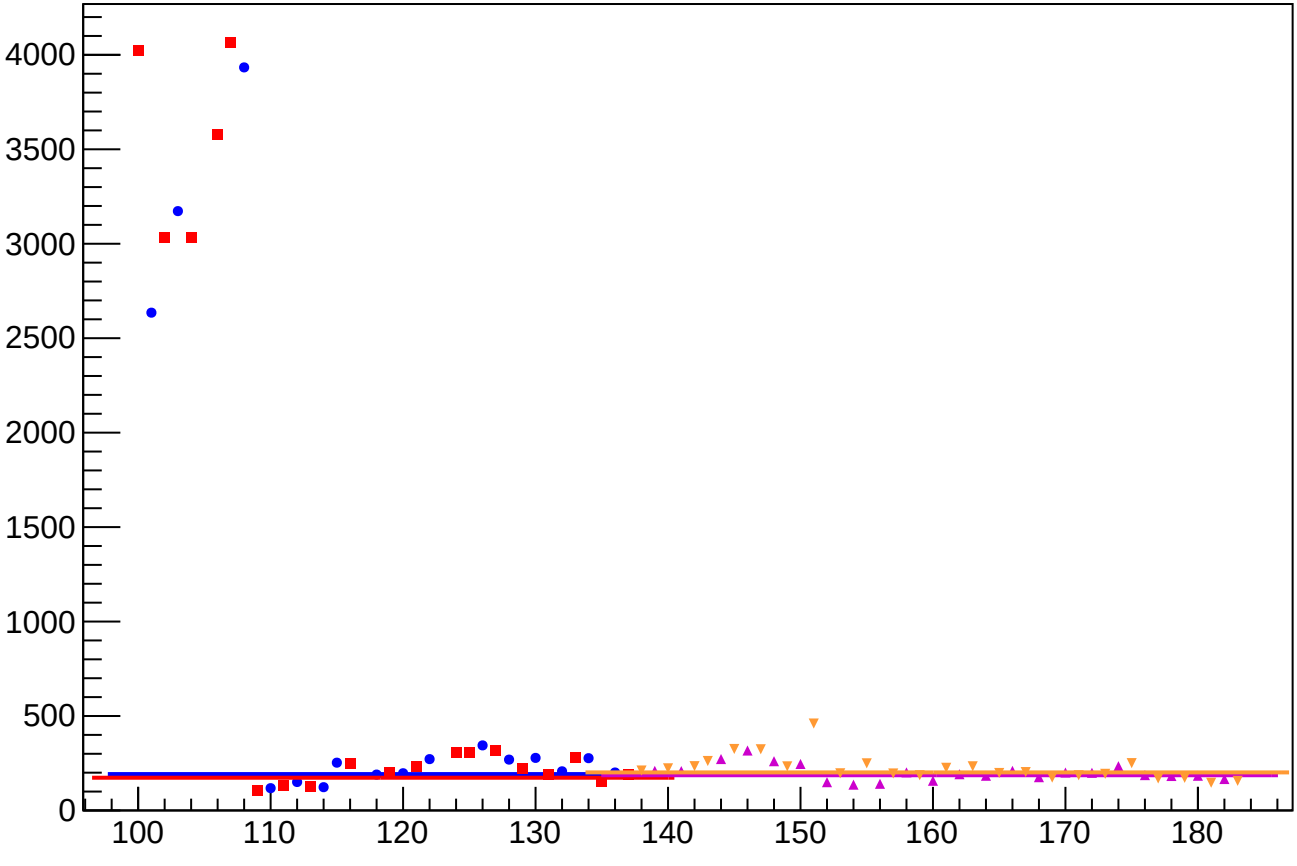
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 94.373+/-40.274 χ^2/NDF:28.1/37

Out: 59.074+/-40.820 χ^2/NDF:32.0/42

All: 76.961+/-28.669 χ^2/NDF: 60.4/80

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: 201.455+/-0.034 χ^2/NDF:1833373.1/23

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: 193.628+/-0.023 χ^2/NDF: 3326731.2/45

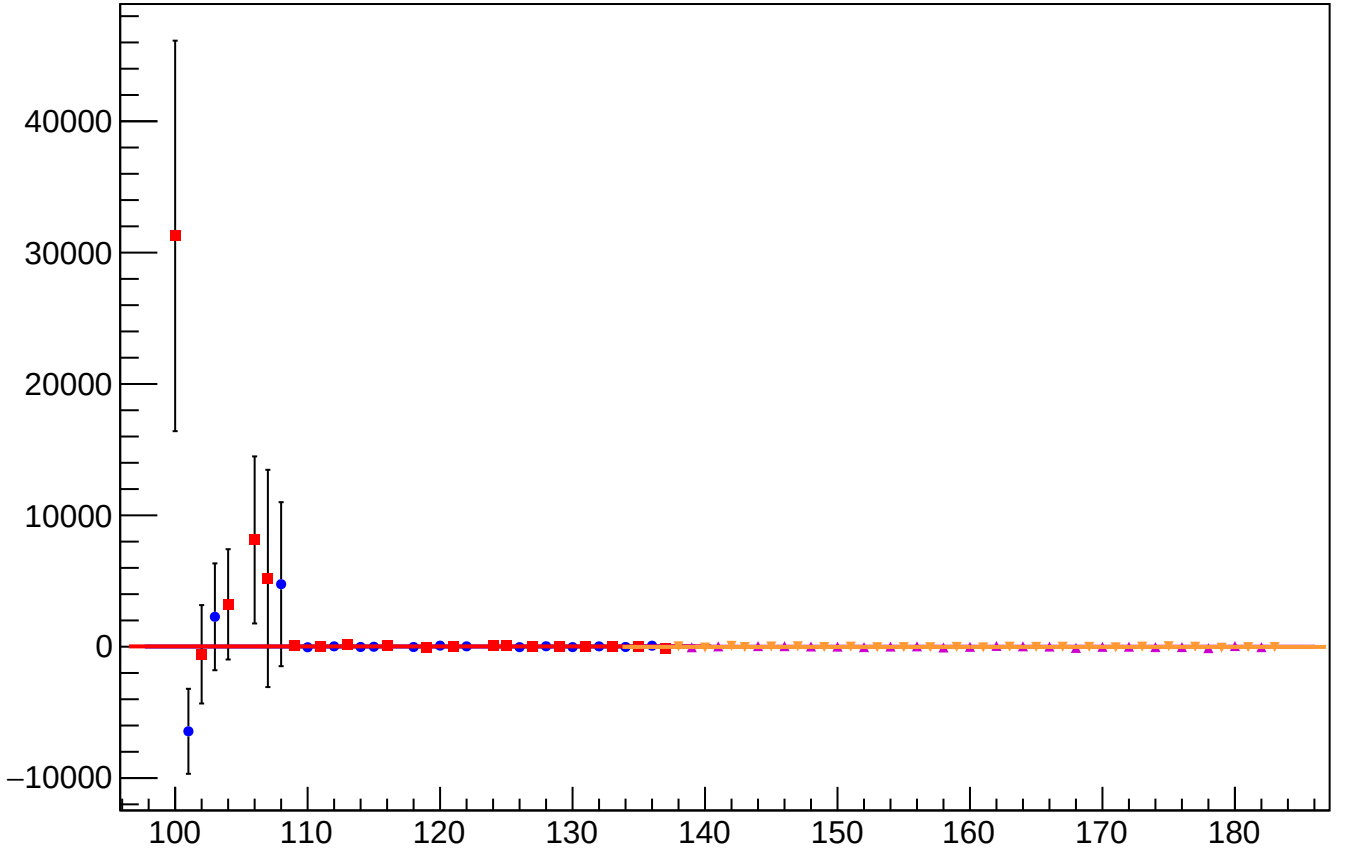
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 187.833+/-0.028 χ^2/NDF:5221430.8/37

Out: 193.819+/-0.029 χ^2/NDF:6329315.0/42

All: 190.786+/-0.020 χ^2/NDF: 11572541.7/80

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: -17.698+/-7.181 χ^2/NDF:19.2/23

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: -10.491+/-5.156 χ^2/NDF: 56.8/45

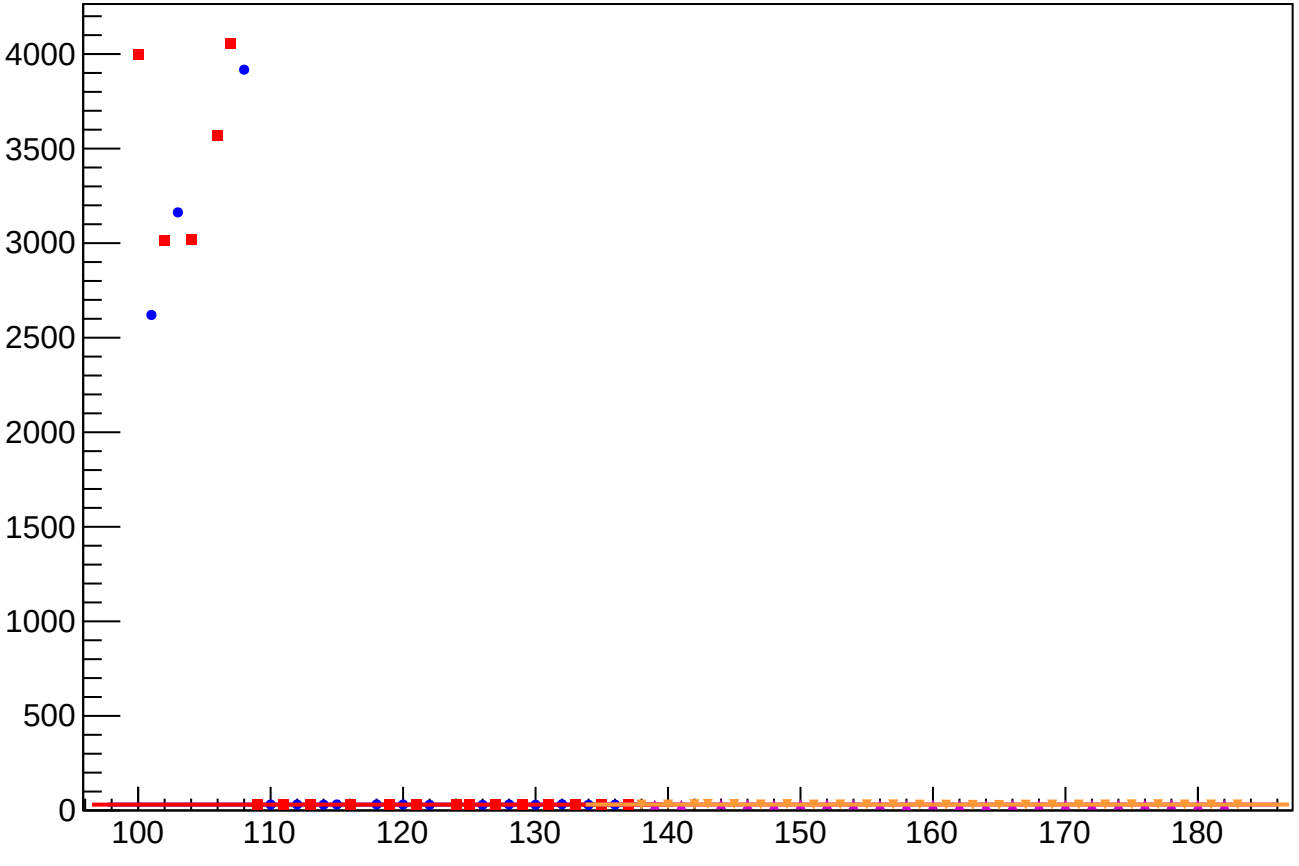
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 1.199+/-6.443 χ^2/NDF:52.2/37

Out: -8.330+/-6.306 χ^2/NDF:55.3/42

All: -3.668+/-4.507 χ^2/NDF: 108.6/80

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: 31.331+/-0.005 χ^2/NDF:62775.3/23

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: 31.351+/-0.004 χ^2/NDF: 147932.8/45

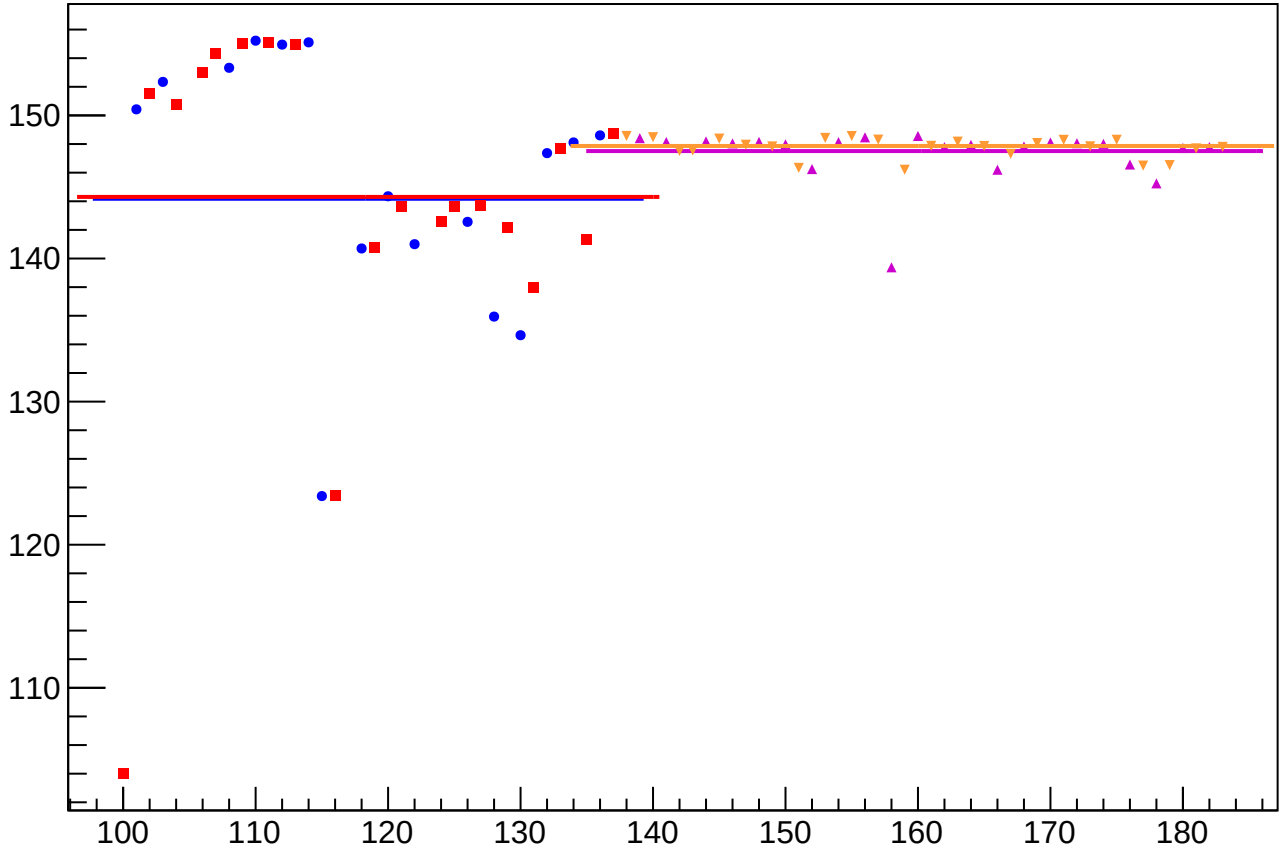
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.265+/-0.005 χ^2/NDF:3339483.3/37

Out: 31.204+/-0.004 χ^2/NDF:3601733.4/42

All: 31.234+/-0.003 χ^2/NDF: 6941306.8/80

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.865+/-0.000 χ^2/NDF:44898278.6/23

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: 147.695+/-0.000 χ^2/NDF: 357130680.1/45

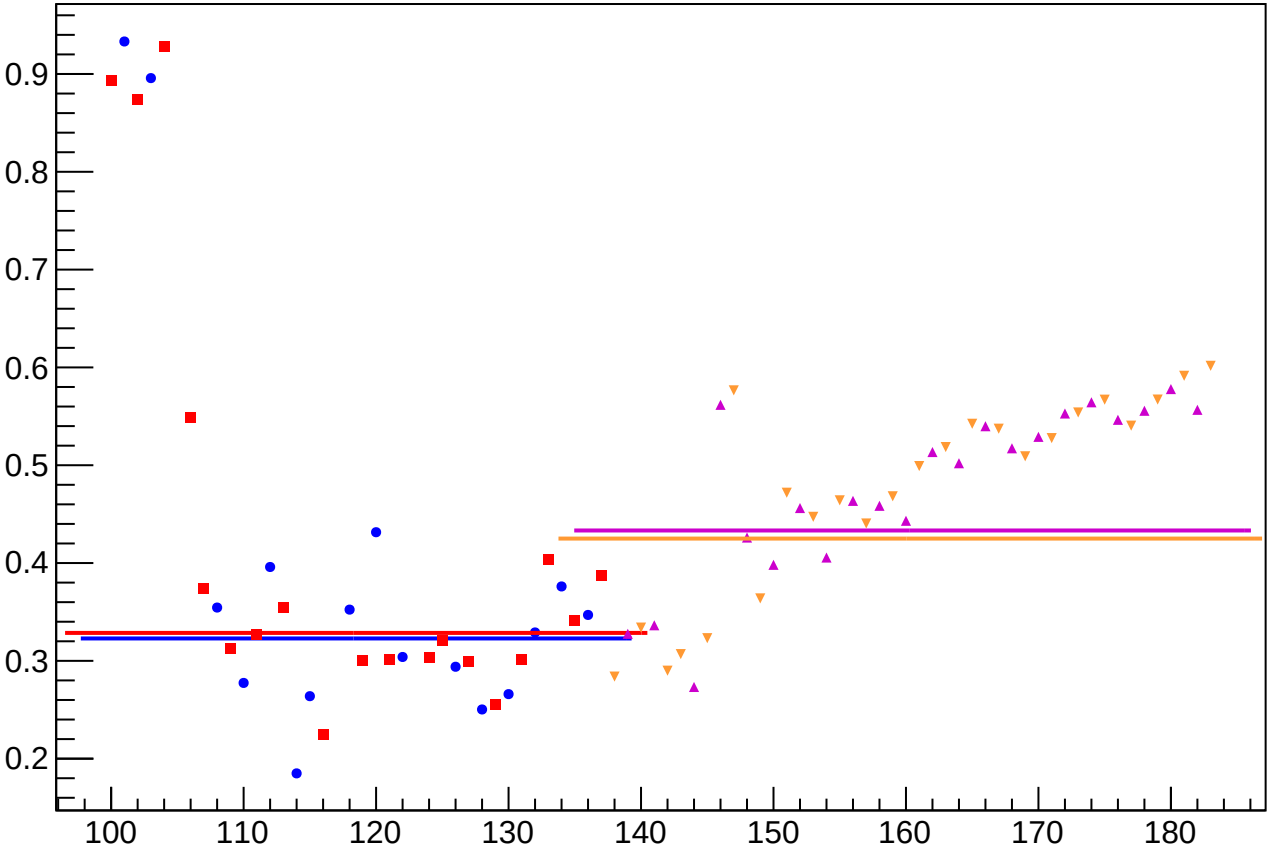
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.202+/-0.000 χ^2/NDF:4416385030.6/37

Out: 146.550+/-0.000 χ^2/NDF:4760890605.4/42

All: 146.380+/-0.000 χ^2/NDF: 9186315797.3

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.425+/-0.000 χ^2/NDF:2199377.3/23

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.433+/-0.000 χ^2/NDF:1721222.7/21

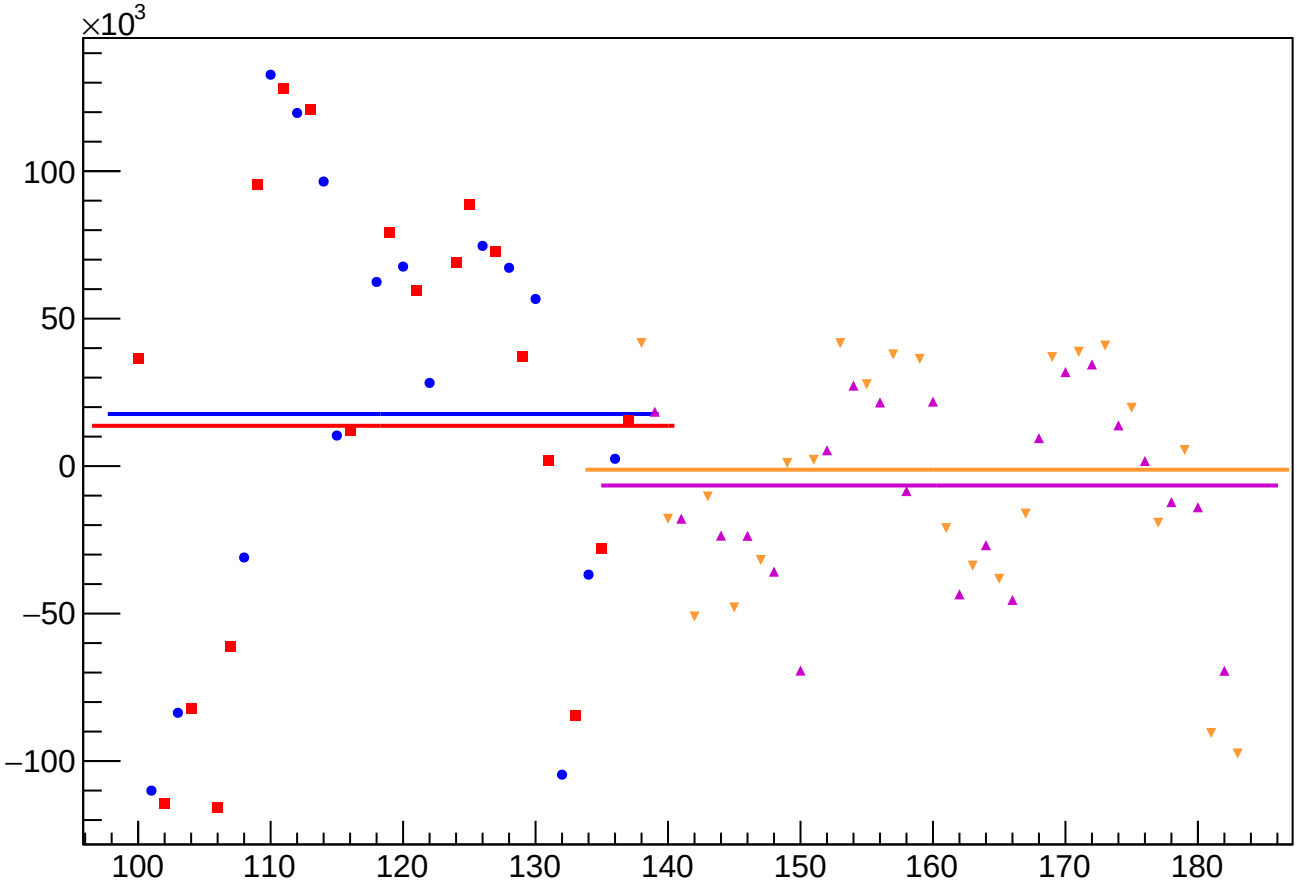
Left: 0.429+/-0.000 χ^2/NDF: 3926917.8/45

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.390+/-0.000 χ^2/NDF:3962835.1/37

Out: 0.389+/-0.000 χ^2/NDF:4165979.3/42

All: 0.390+/-0.000 χ^2/NDF: 8128868.7/80



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -1220.184+/-1.130 χ^2/NDF:1145465657.3/23

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: -3844.761+/-0.807 χ^2/NDF: 1832403647.7/45

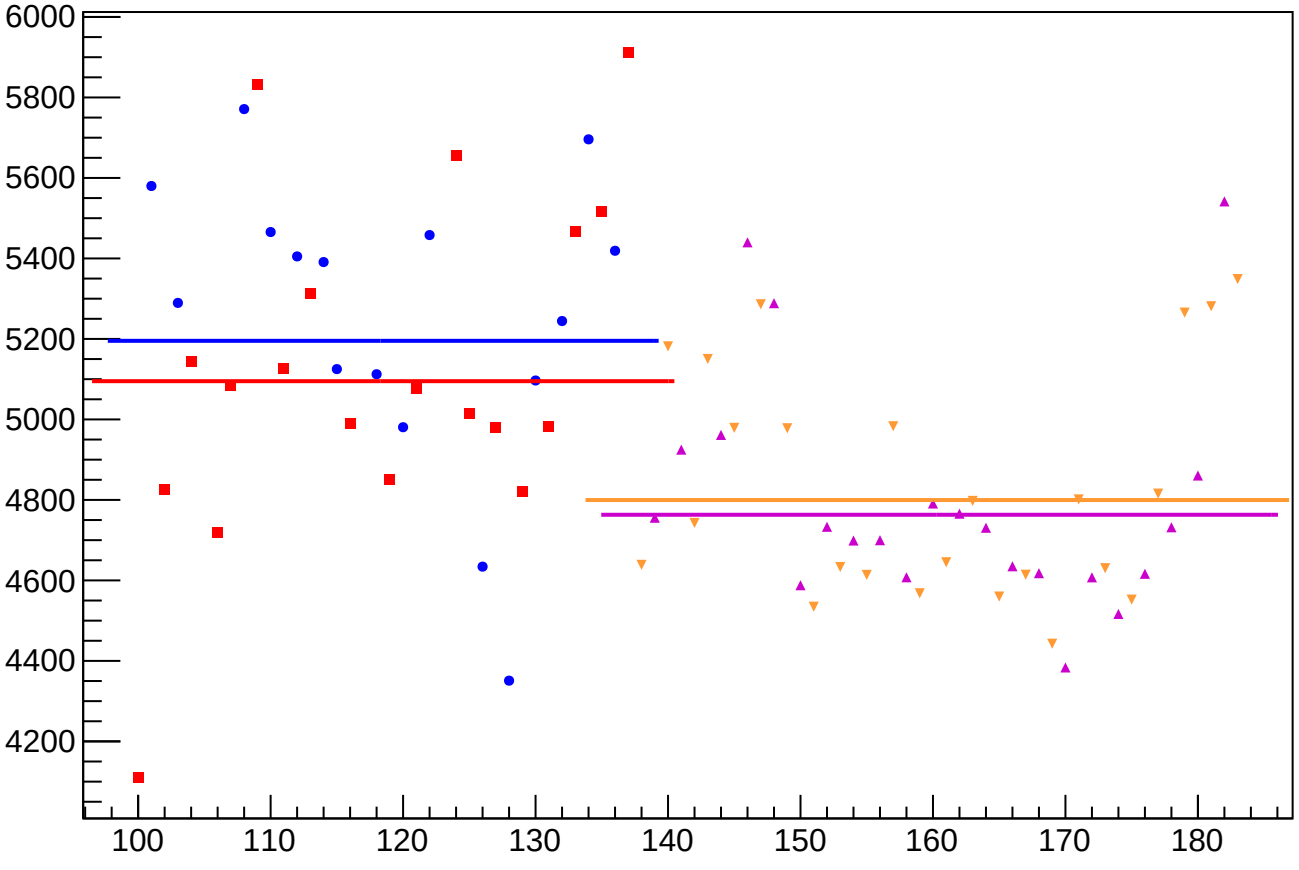
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: -560.183+/-0.999 χ^2/NDF:2184487123.7/37

Out: 2594.602+/-0.974 χ^2/NDF:3046910426.4/42

All: 1056.338+/-0.698 χ^2/NDF: 5236508469.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4799.680+/-0.799 χ^2/NDF:113084.4/23

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: 4781.740+/-0.570 χ^2/NDF: 213579.1/45

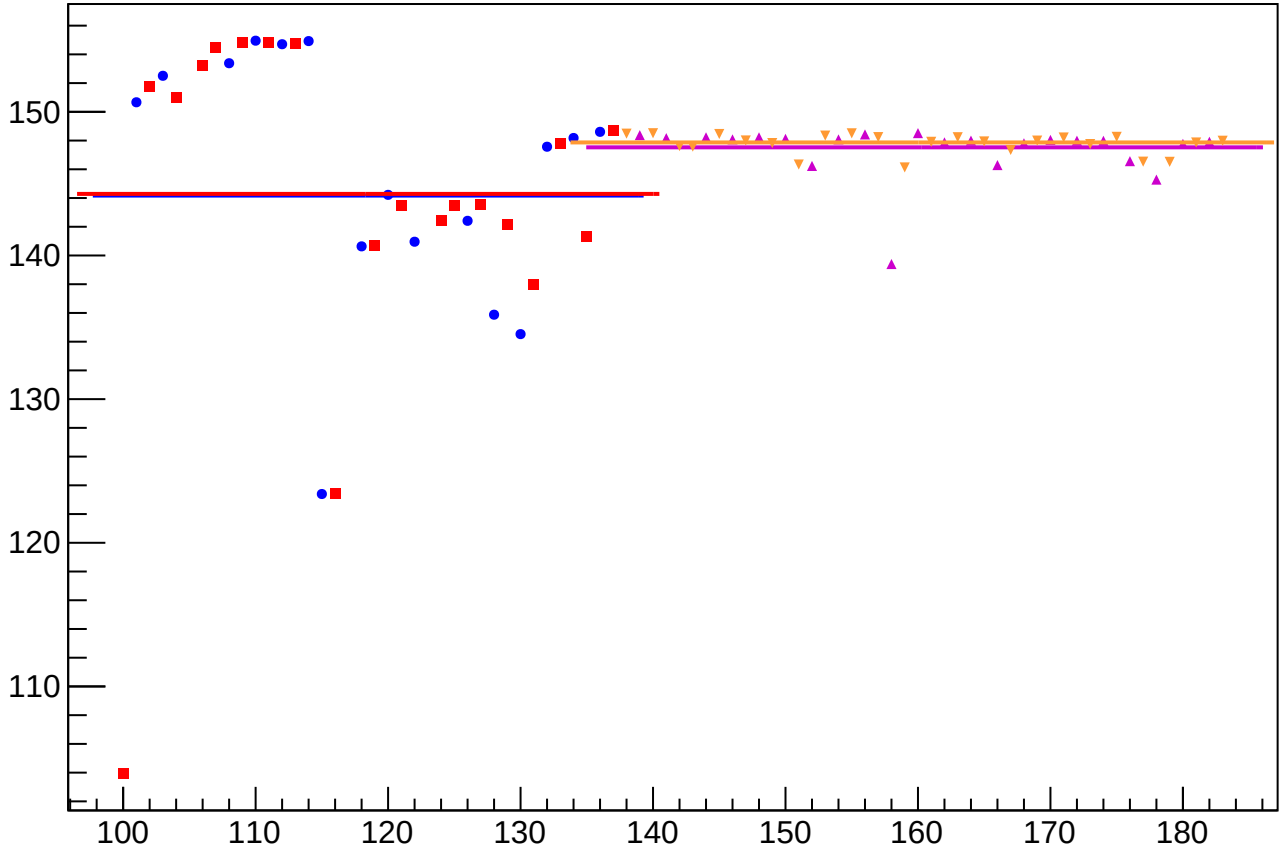
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4870.315+/-0.706 χ^2/NDF:246475.9/37

Out: 4875.371+/-0.689 χ^2/NDF:207219.3/42

All: 4872.905+/-0.493 χ^2/NDF: 453721.5/80

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.870+/-0.000 χ^2/NDF:44483263.1/23

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: 147.706+/-0.000 χ^2/NDF: 356922520.4/45

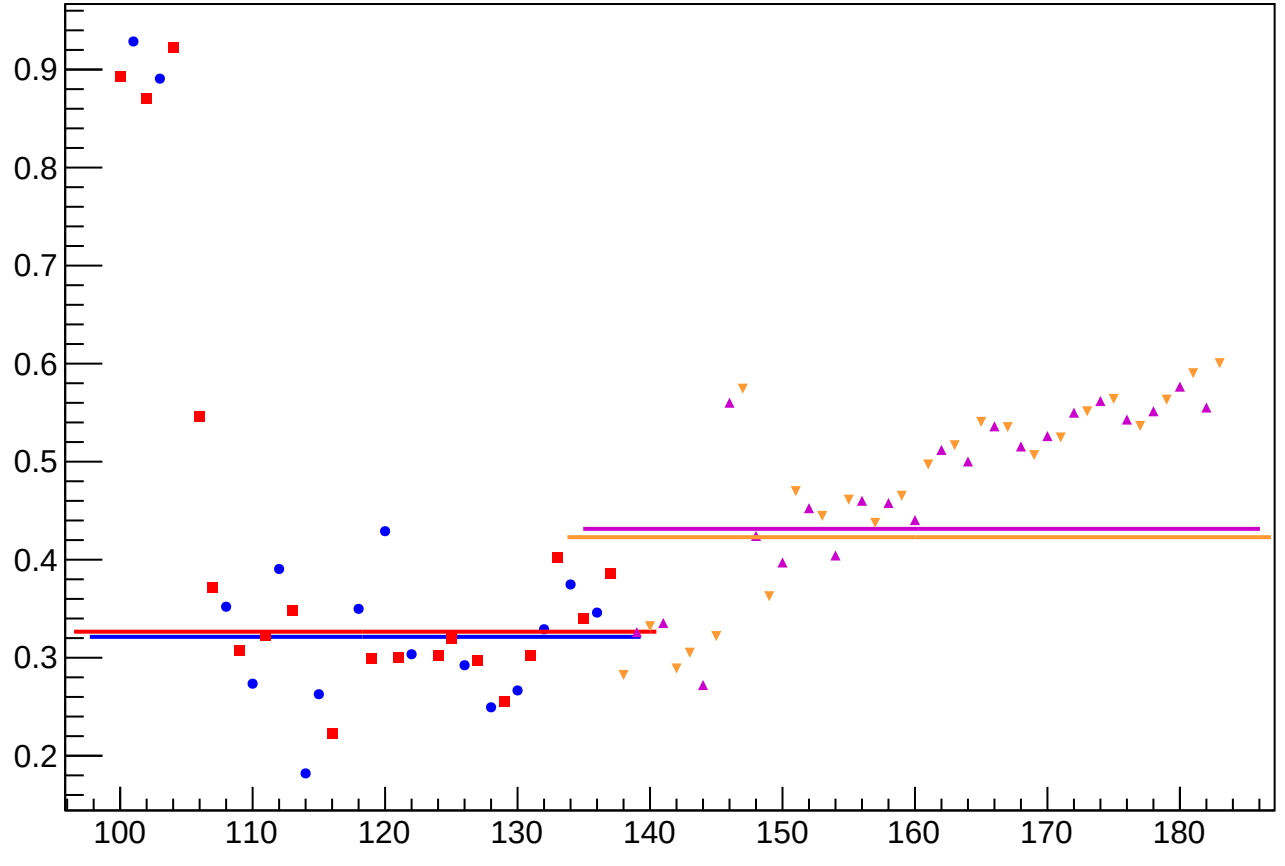
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 146.211+/-0.000 χ^2/NDF:4466303404.1/37

Out: 146.544+/-0.000 χ^2/NDF:4797039695.8/42

All: 146.382+/-0.000 χ^2/NDF: 9271732013.3

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.423+/-0.000 χ^2/NDF:2200279.7/23

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.431+/-0.000 χ^2/NDF:1716934.0/21

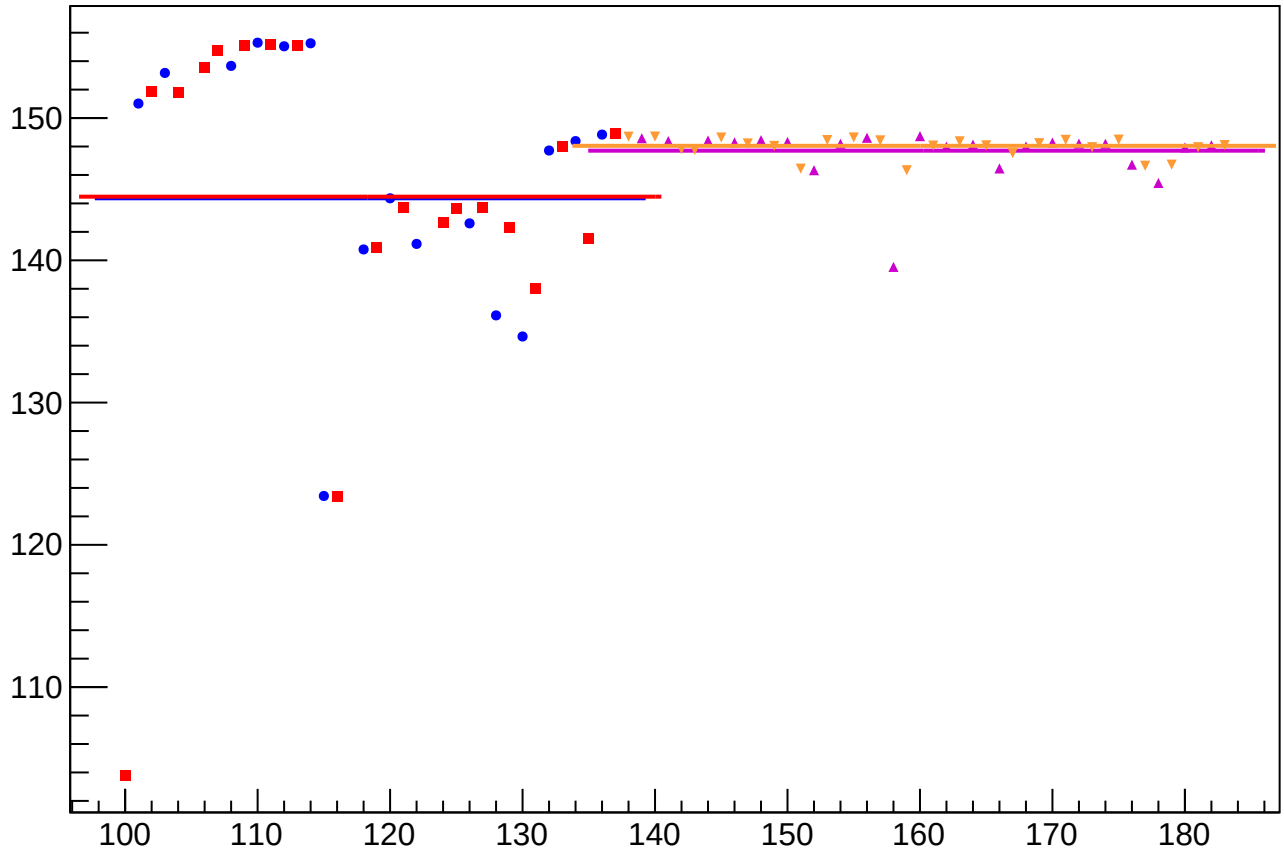
Left: 0.427+/-0.000 χ^2/NDF: 3923957.2/45

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.388+/-0.000 χ^2/NDF:3963190.4/37

Out: 0.387+/-0.000 χ^2/NDF:4172073.0/42

All: 0.388+/-0.000 χ^2/NDF: 8135390.2/80



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.050+/-0.000 χ^2/NDF:44901264.2/23

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: 147.886+/-0.000 χ^2/NDF: 362037556.2/45

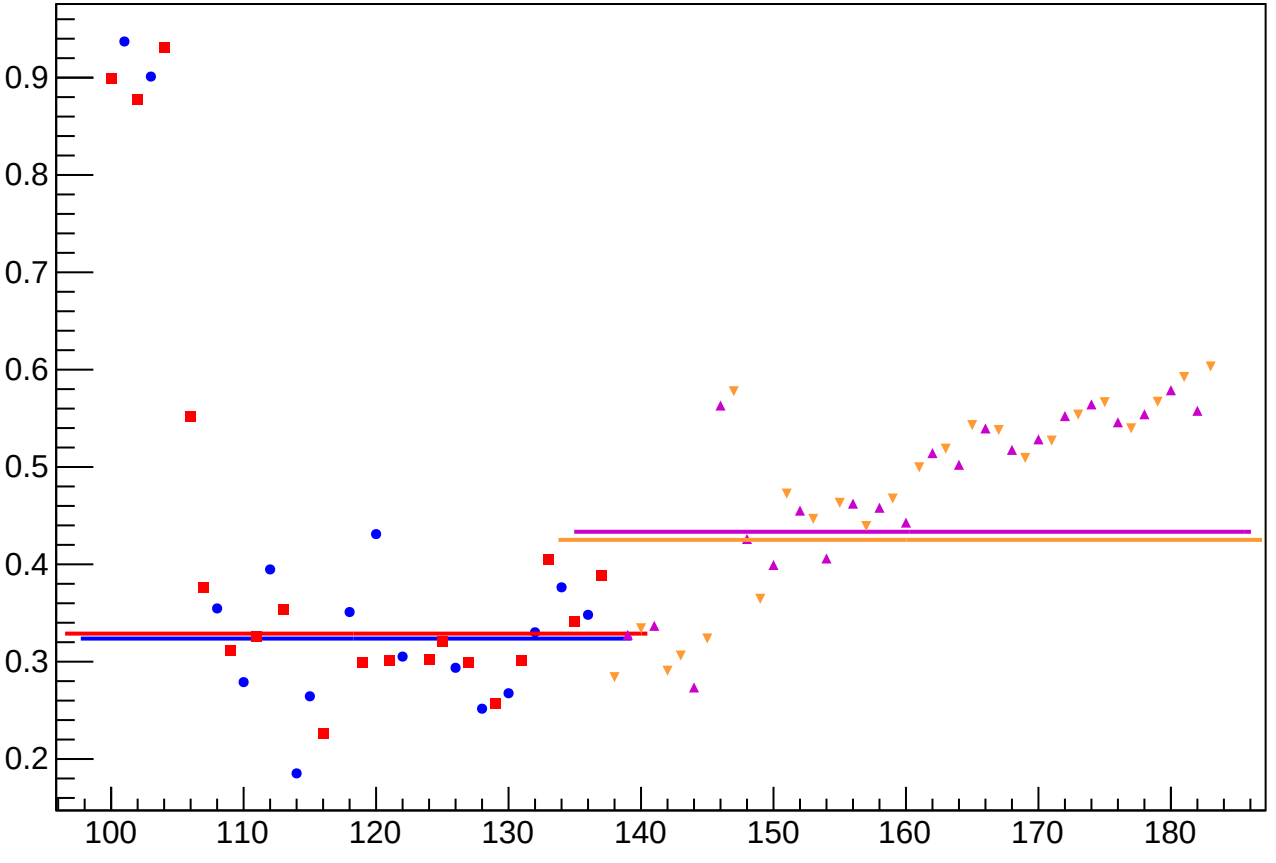
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.398+/-0.000 χ^2/NDF:4457647799.0/37

Out: 146.730+/-0.000 χ^2/NDF:4781388817.8/42

All: 146.568+/-0.000 χ^2/NDF: 9247255659.0

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.425+/-0.000 χ^2/NDF:2197014.9/23

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: 0.429+/-0.000 χ^2/NDF: 3918990.5/45

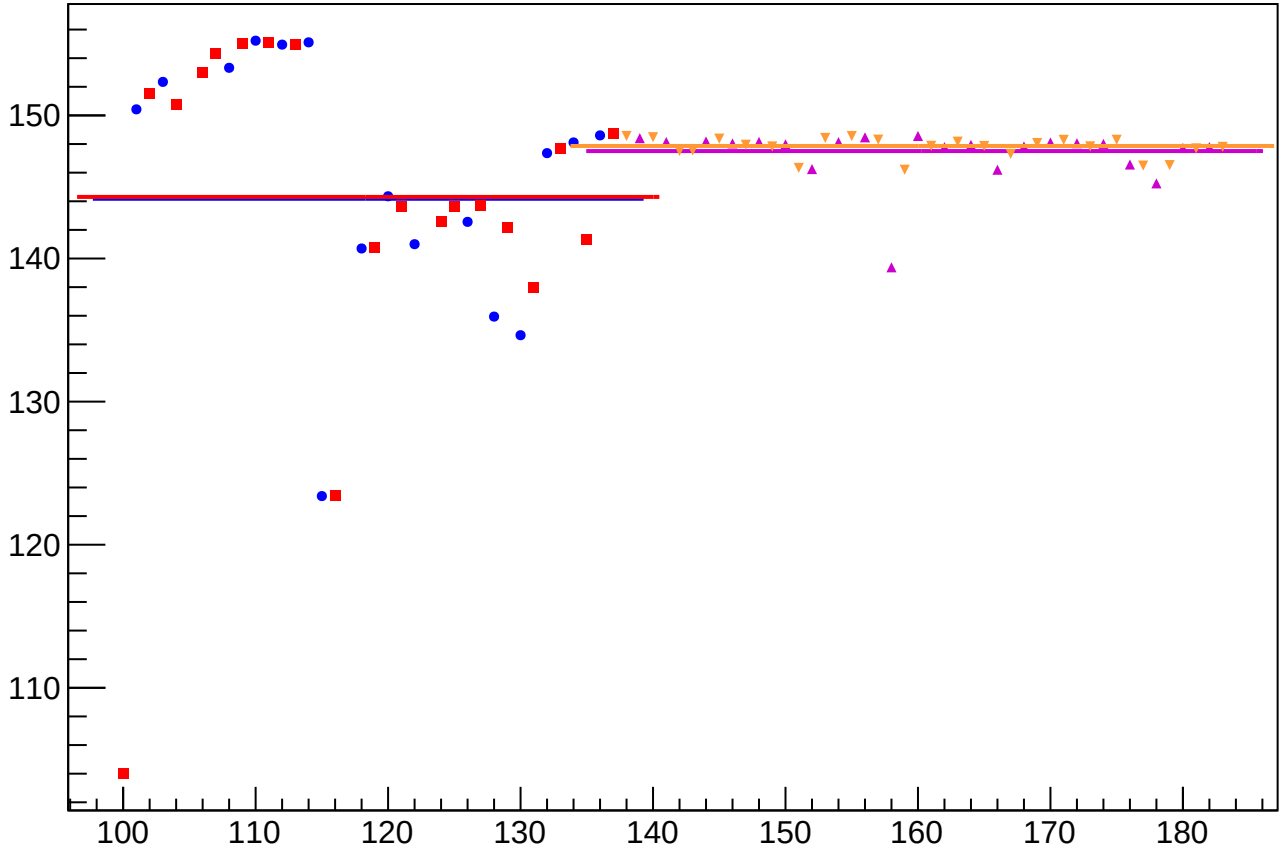
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.391+/-0.000 χ^2/NDF:3940995.0/37

Out: 0.390+/-0.000 χ^2/NDF:4160046.9/42

All: 0.390+/-0.000 χ^2/NDF: 8101170.5/80

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.865+/-0.000 χ^2/NDF:44898278.6/23

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: 147.695+/-0.000 χ^2/NDF: 357130680.1/45

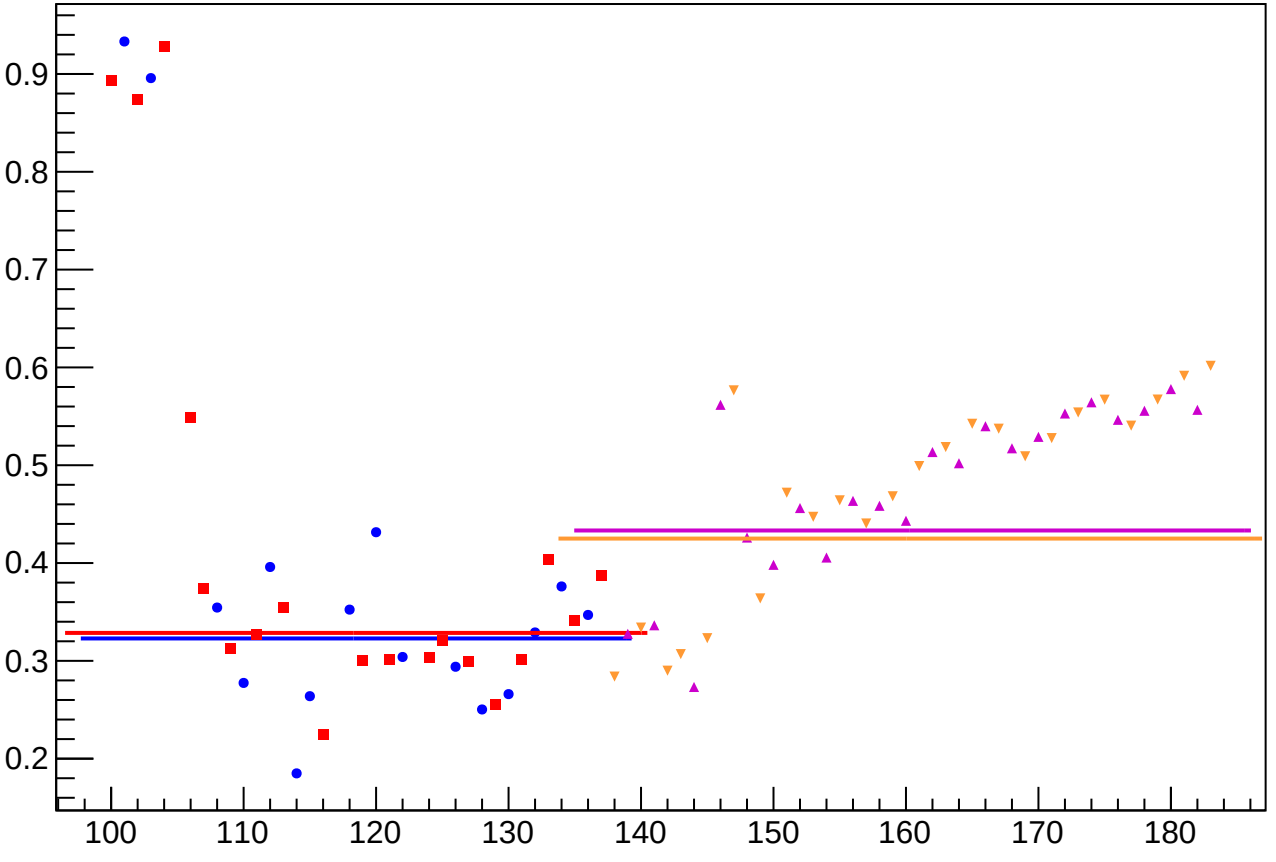
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.202+/-0.000 χ^2/NDF:4416385030.6/37

Out: 146.550+/-0.000 χ^2/NDF:4760890605.4/42

All: 146.380+/-0.000 χ^2/NDF: 9186315797.3

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.425+/-0.000 χ^2/NDF:2199377.3/23

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: 0.429+/-0.000 χ^2/NDF: 3926917.8/45

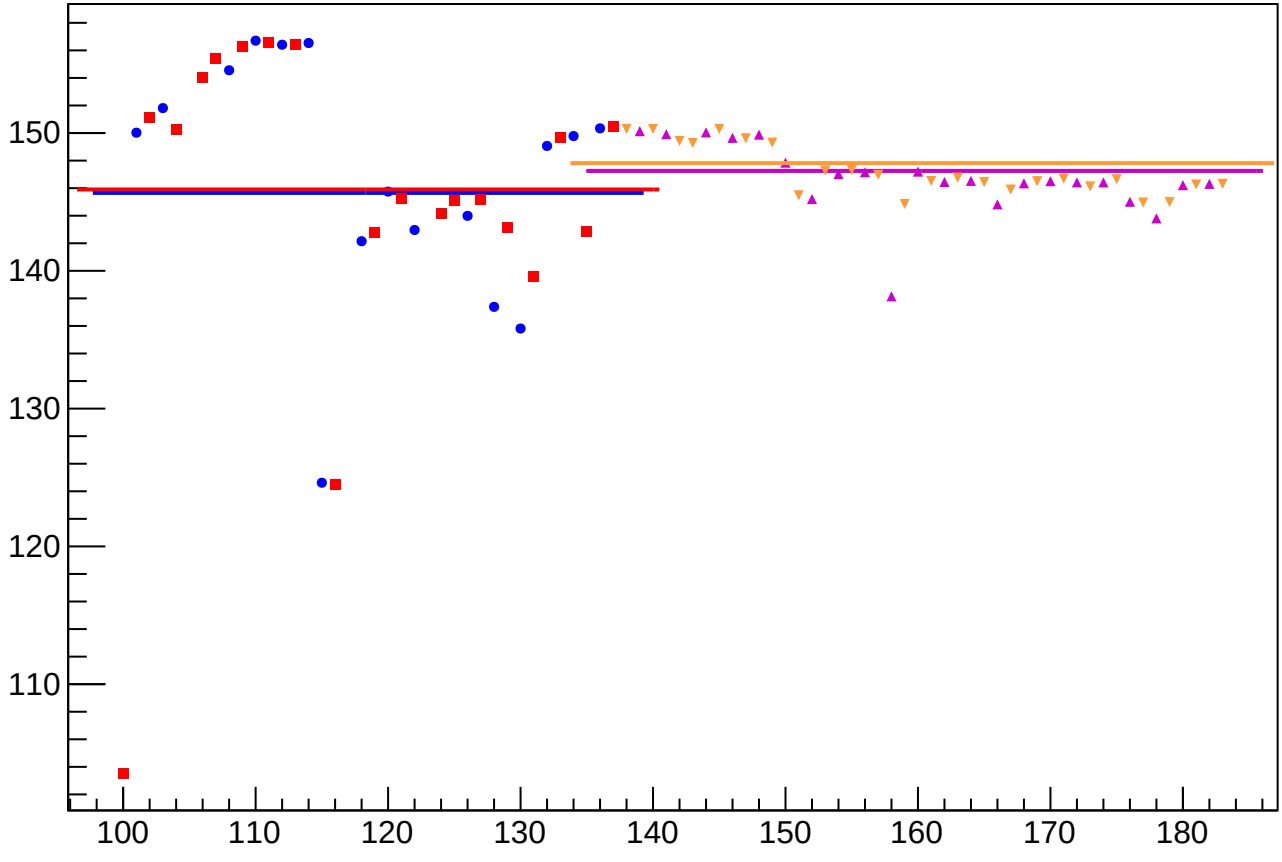
Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.390+/-0.000 χ^2/NDF:3962835.1/37

Out: 0.389+/-0.000 χ^2/NDF:4165979.3/42

All: 0.390+/-0.000 χ^2/NDF: 8128868.7/80

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 147.816+/-0.000 χ^2/NDF:325364018.1/23

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: 147.543+/-0.000 χ^2/NDF: 957314189.4/45

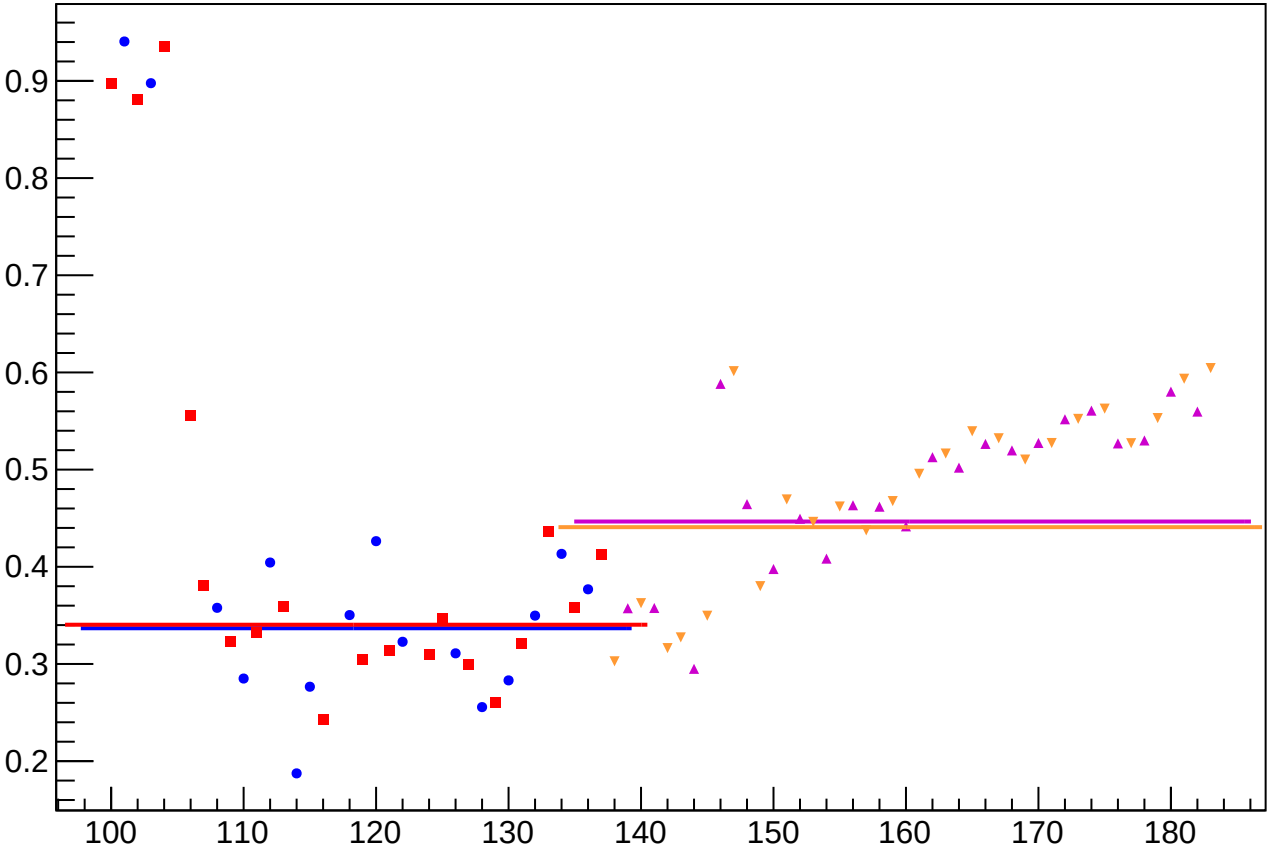
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.639+/-0.000 χ^2/NDF:4181446764.4/37

Out: 147.115+/-0.000 χ^2/NDF:4310002792.4/42

All: 146.882+/-0.000 χ^2/NDF: 8507321694.8

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.441+/-0.000 χ^2/NDF:1652309.4/23

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.447+/-0.000 χ^2/NDF:1300608.0/21

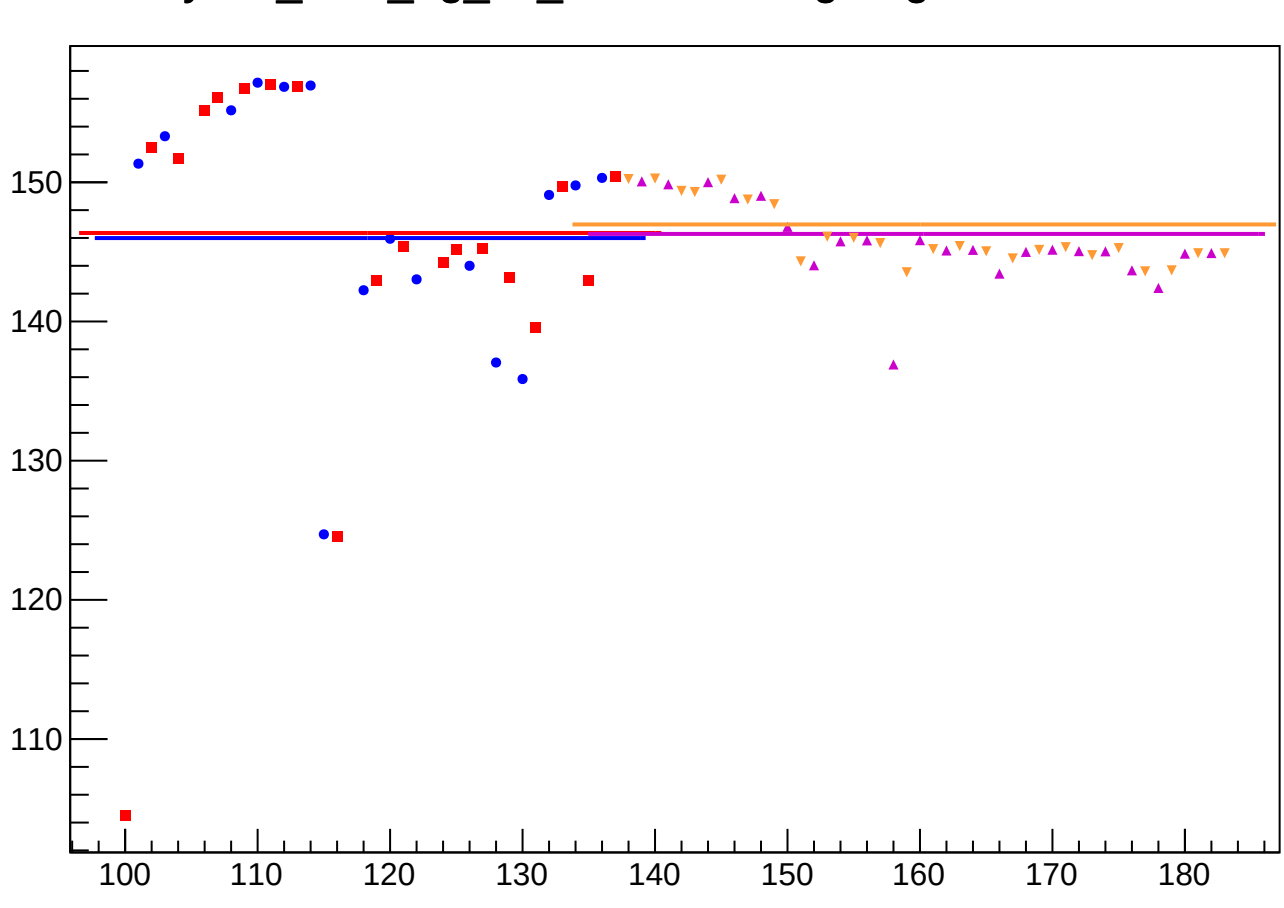
Left: 0.444+/-0.000 χ^2/NDF: 2955857.2/45

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

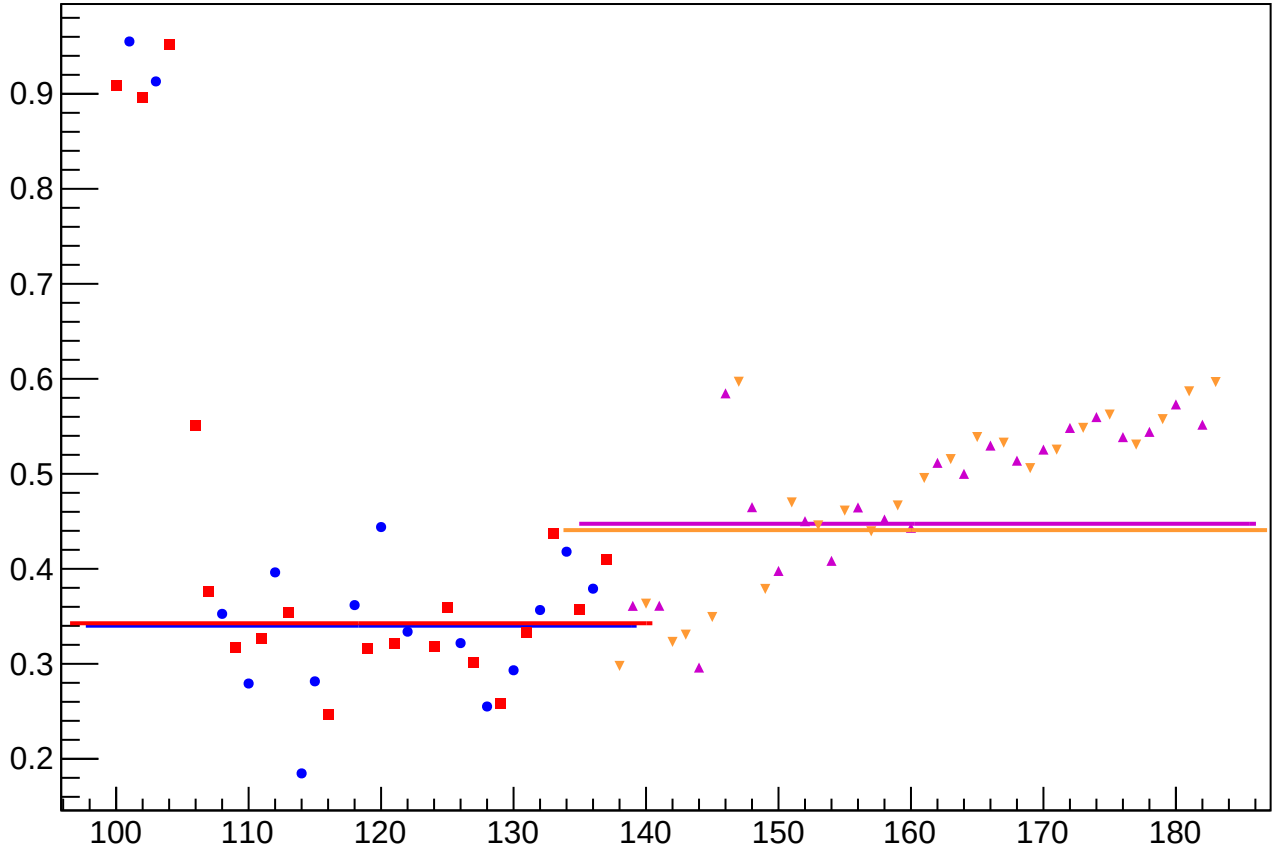
In: 0.404+/-0.000 χ^2/NDF:3451179.4/37

Out: 0.404+/-0.000 χ^2/NDF:3598353.1/42

All: 0.404+/-0.000 χ^2/NDF: 7049565.7/80


yield_bcm_dg_ds_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
160
170
180
Right In: 145.993+/-0.000 χ²/NDF: 3621634656.4/15
Left Out: 146.971+/-0.000 χ²/NDF:539693475.1/23
Right Out: 146.358+/-0.000 χ²/NDF: 3963122316.1/18
Left In: 146.291+/-0.000 χ²/NDF:823570090.6/21
Left: 146.644+/-0.000 χ²/NDF: 1383471558.0/45
Right: 146.176+/-0.000 χ²/NDF: 7588198619.6/34
In: 146.178+/-0.000 χ²/NDF:4448032503.7/37
Out: 146.749+/-0.000 χ²/NDF:4515197536.0/42
All: 146.471+/-0.000 χ²/NDF: 8985852476.2

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.441+/-0.000 χ^2/NDF:1627269.7/23

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: 0.444+/-0.000 χ^2/NDF: 2888083.0/45

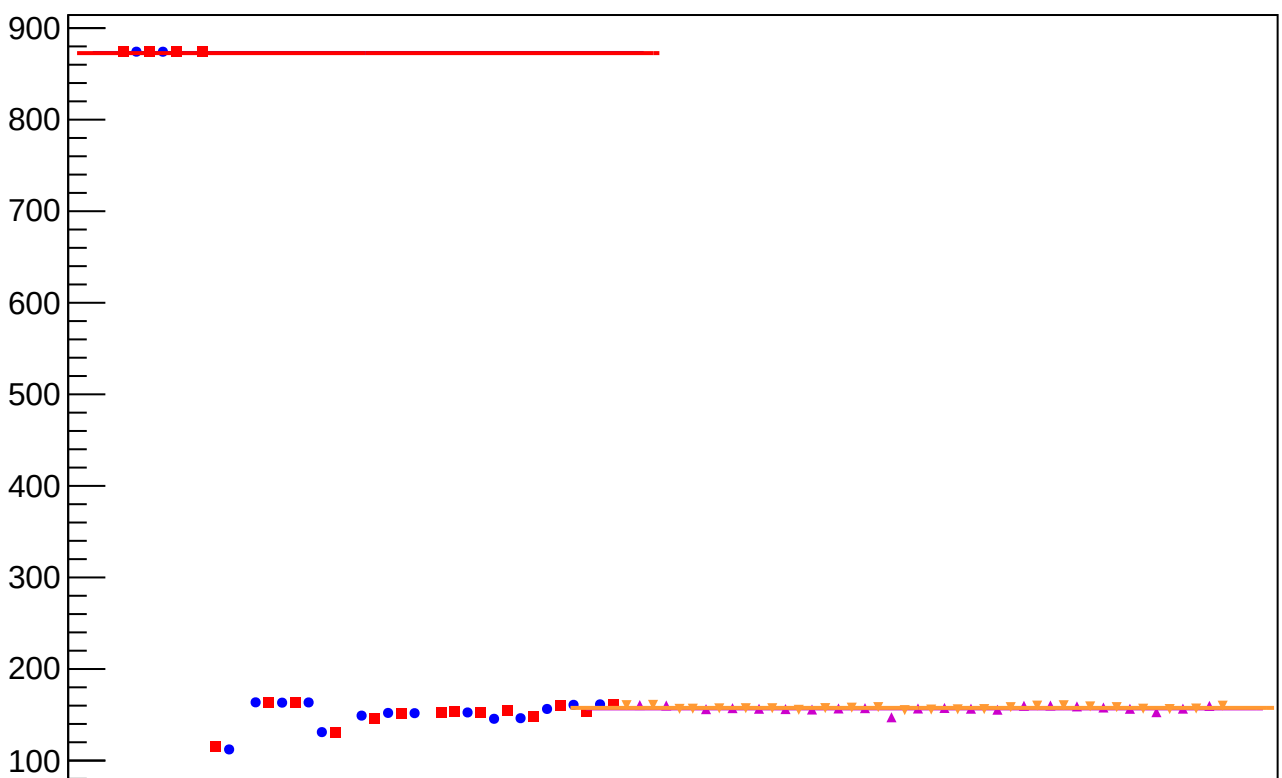
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.407+/-0.000 χ^2/NDF:3382716.7/37

Out: 0.405+/-0.000 χ^2/NDF:3531533.6/42

All: 0.406+/-0.000 χ^2/NDF: 6914619.1/80

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.539+/-0.000 χ^2/NDF:102711308.5/23

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: 157.261+/-0.000 χ^2/NDF: 343926540.4/45

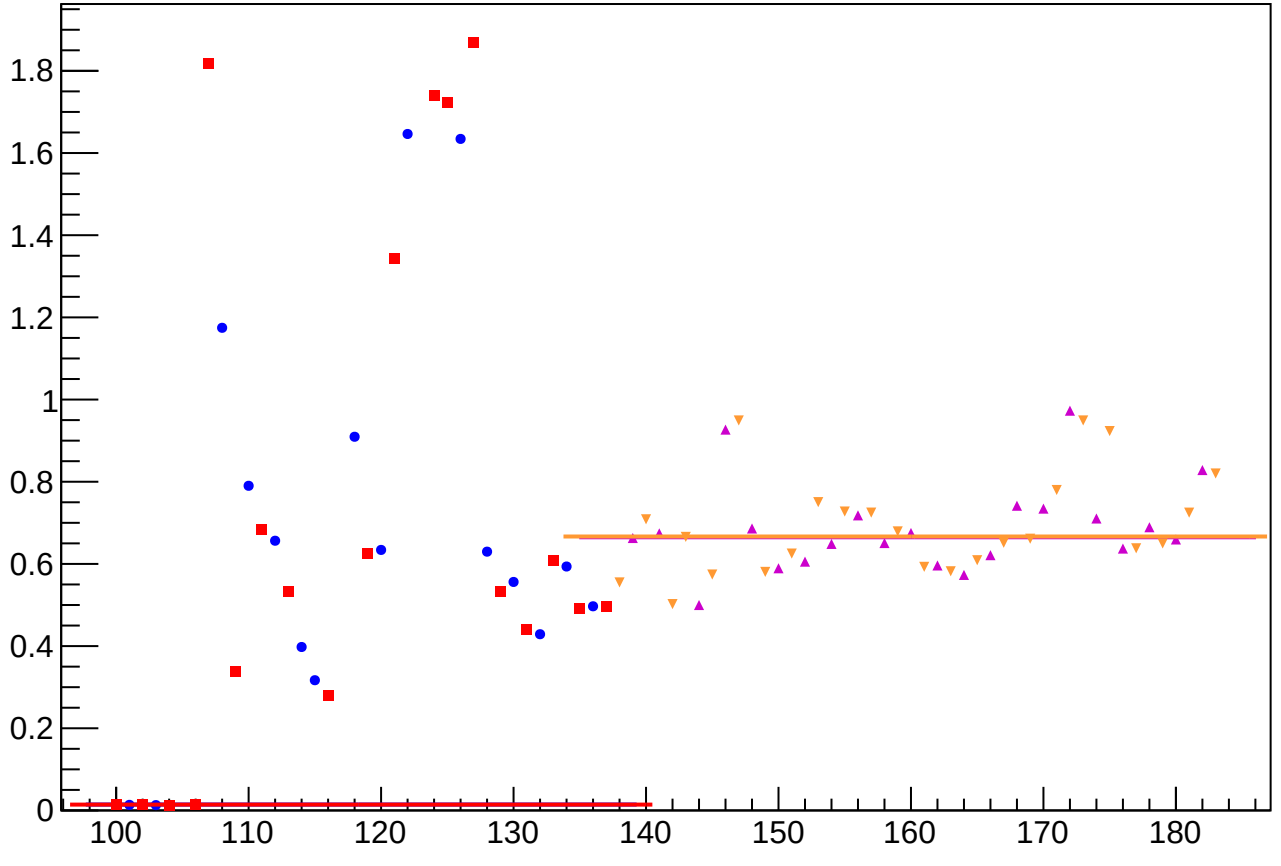
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 869.627+/-0.000 χ^2/NDF:23485608816311.8/3

Out: 869.774+/-0.000 χ^2/NDF:26203210490676.9

All: 869.706+/-0.000 χ^2/NDF: 496889017313

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.667+/-0.000 χ^2/NDF:673458.6/23

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: 0.666+/-0.000 χ^2/NDF: 1197917.1/45

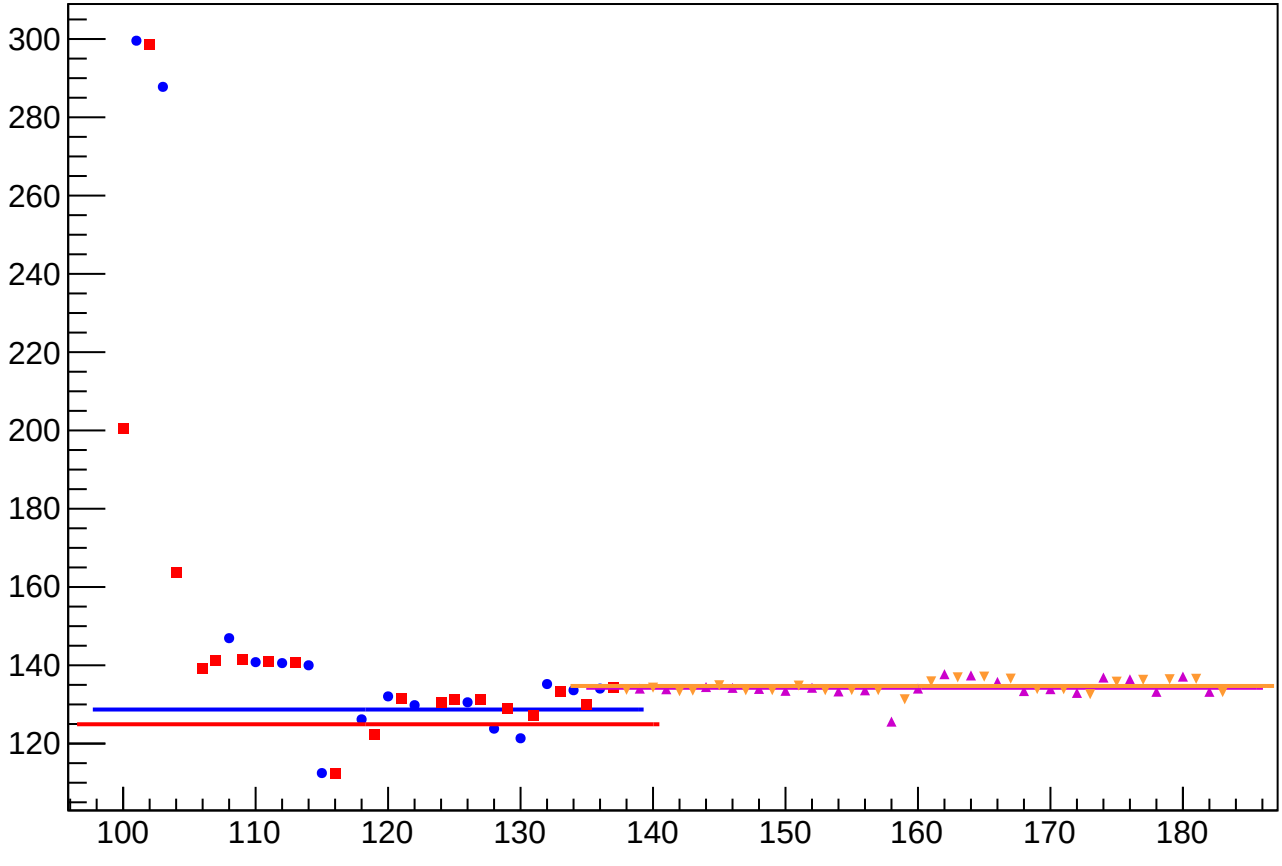
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.017+/-0.000 χ^2/NDF:37051768.6/37

Out: 0.017+/-0.000 χ^2/NDF:38445923.5/42

All: 0.017+/-0.000 χ^2/NDF: 75498894.6/80

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.720+/-0.000 χ^2/NDF:159192391.9/23

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: 134.500+/-0.000 χ^2/NDF: 607054733.3/45

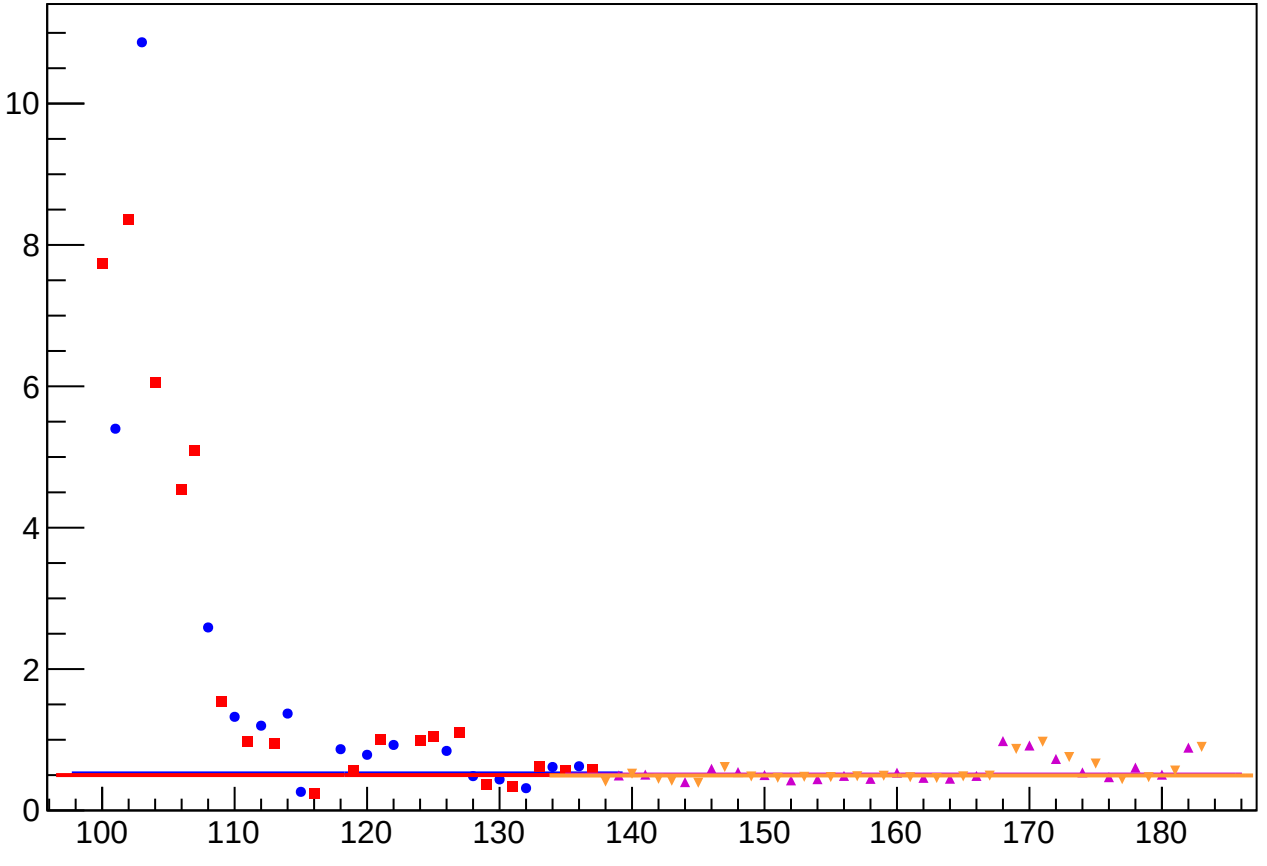
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 133.246+/-0.000 χ^2/NDF:2434726565.7/37

Out: 133.019+/-0.000 χ^2/NDF:2666810030.7/42

All: 133.127+/-0.000 χ^2/NDF: 5103517883.2

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.495+/-0.000 χ^2/NDF:1462400.1/23

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: 0.501+/-0.000 χ^2/NDF: 2858229.4/45

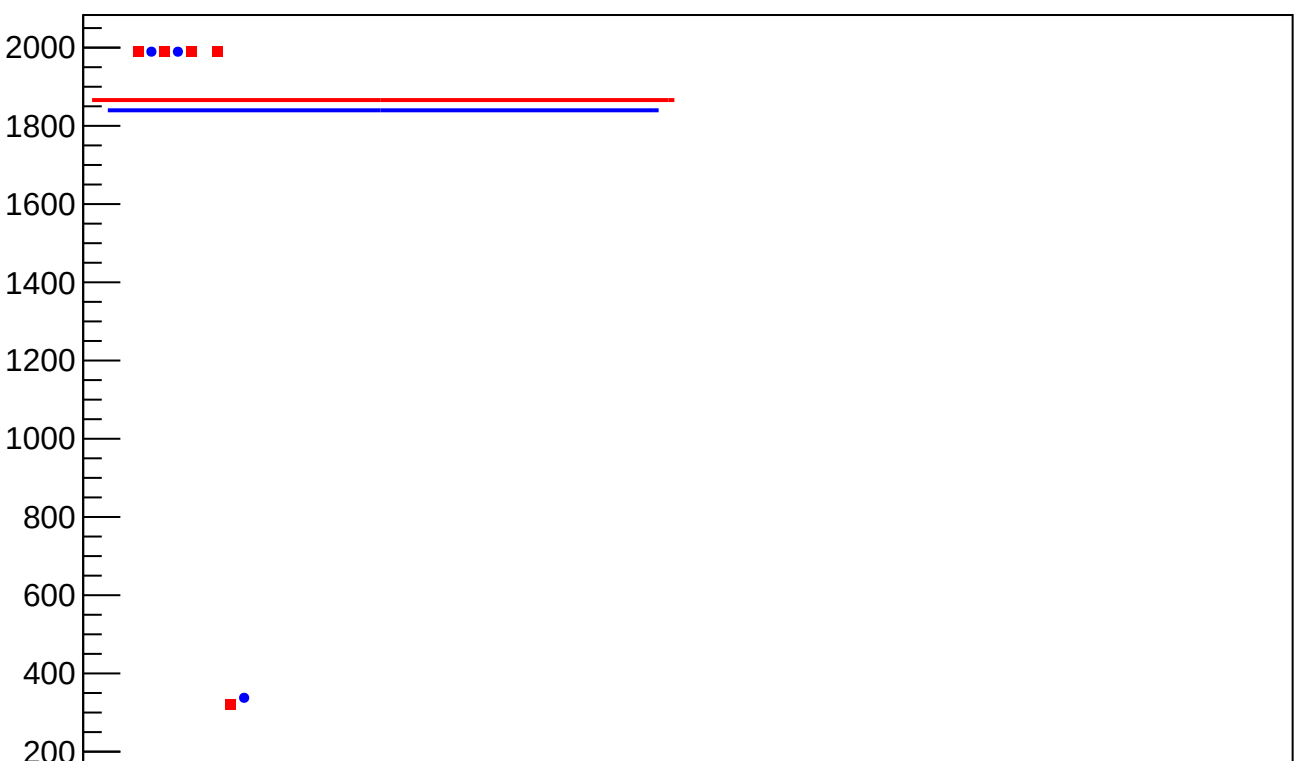
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.511+/-0.000 χ^2/NDF:5530428.7/37

Out: 0.496+/-0.000 χ^2/NDF:6347186.7/42

All: 0.503+/-0.000 χ^2/NDF: 11893692.5/80

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.579+/-0.000 χ^2/NDF:64099118.1/23

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: 137.468+/-0.000 χ^2/NDF: 315172680.2/45

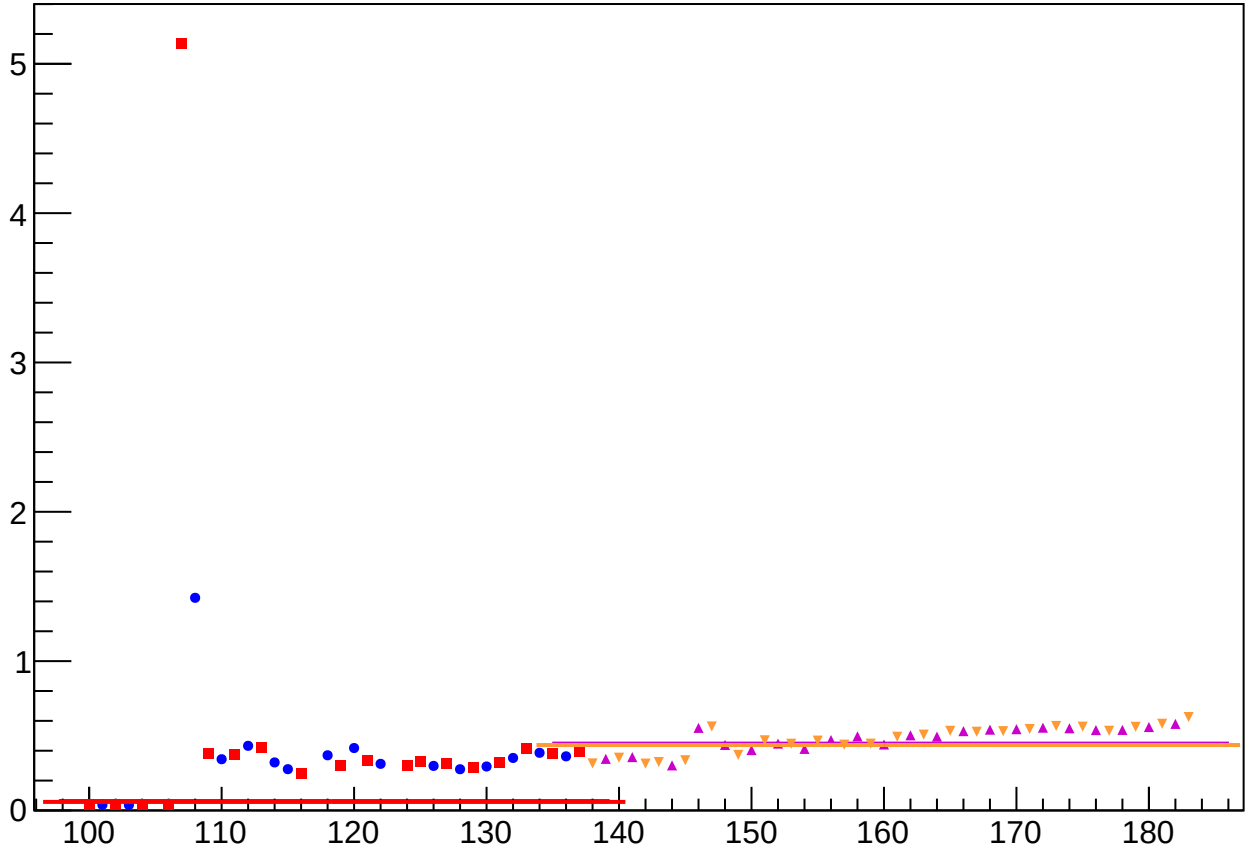
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1620.787+/-0.000 χ^2/NDF:358547801377330.

Out: 1655.639+/-0.000 χ^2/NDF:38485469454243

All: 1639.492+/-0.000 χ^2/NDF: 7438291681

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.438+/-0.000 χ^2/NDF:1705600.9/23

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: 0.443+/-0.000 χ^2/NDF: 2999562.6/45

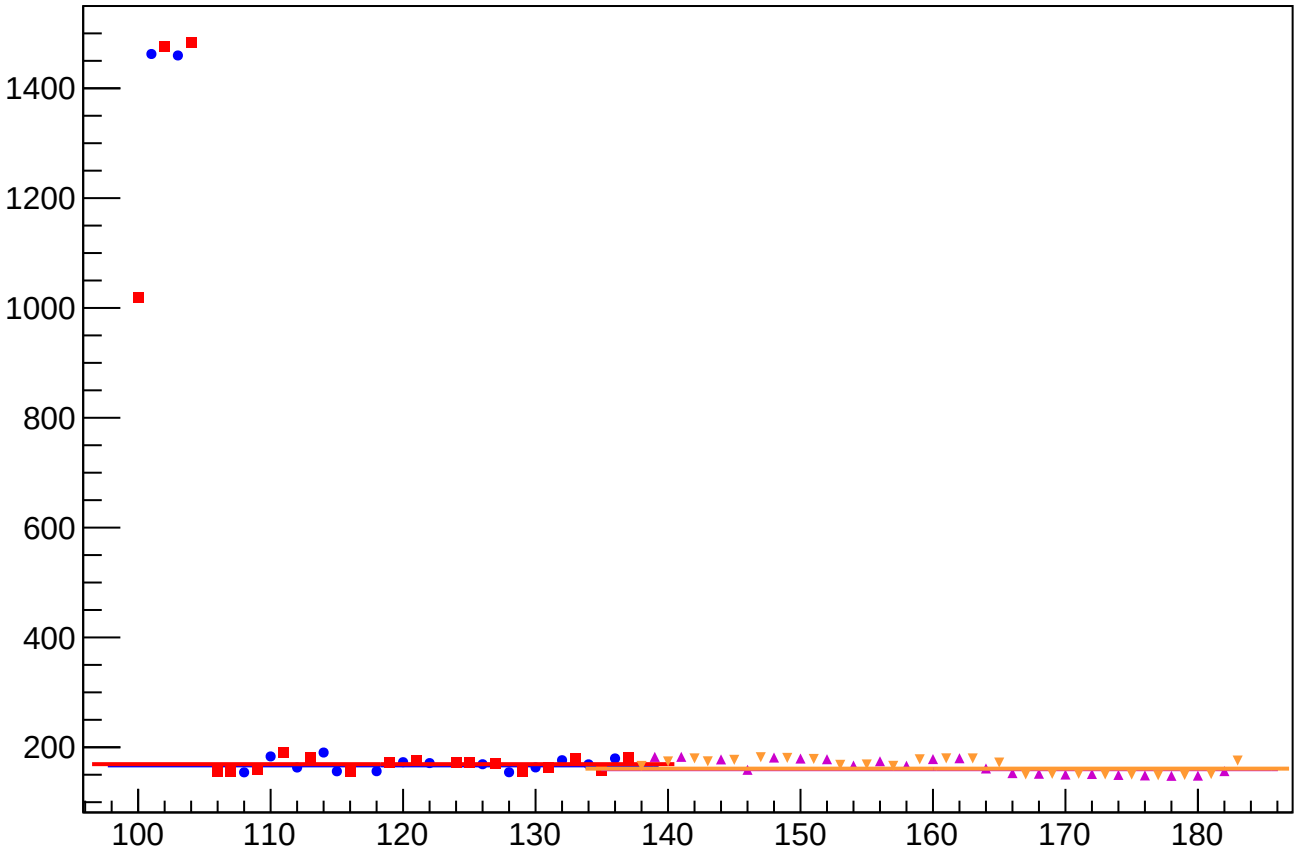
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.111+/-0.000 χ^2/NDF:31306823.4/37

Out: 0.104+/-0.000 χ^2/NDF:32955210.9/42

All: 0.107+/-0.000 χ^2/NDF: 64304521.4/80

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 161.086+/-0.000 χ^2/NDF:3708493848.4/23

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: 160.586+/-0.000 χ^2/NDF: 7442829586.5/45

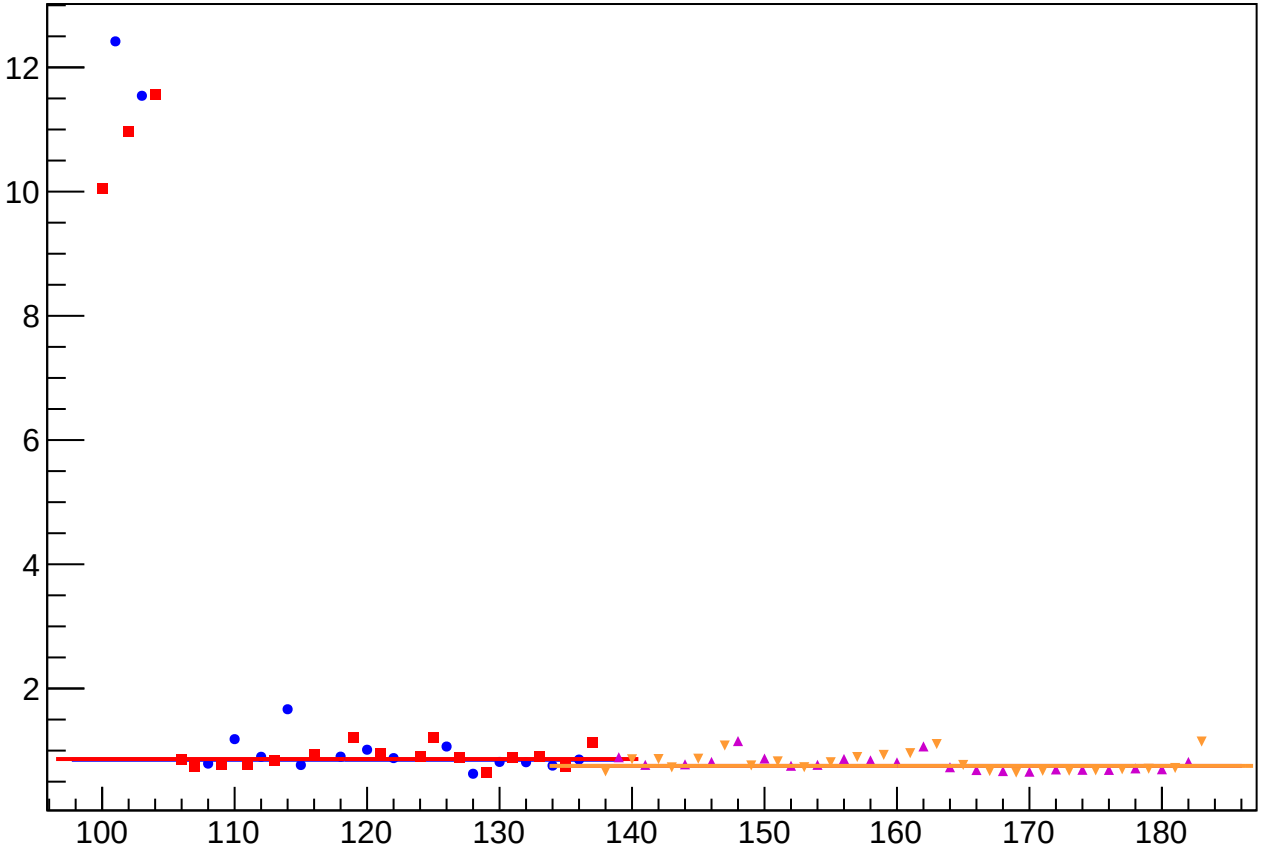
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 161.347+/-0.000 χ^2/NDF:18545564413.2/37

Out: 162.576+/-0.000 χ^2/NDF:20323506458.9/42

All: 161.974+/-0.000 χ^2/NDF: 38891165009.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.754+/-0.000 χ^2/NDF:657408.3/23

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.753+/-0.000 χ^2/NDF:443720.3/21

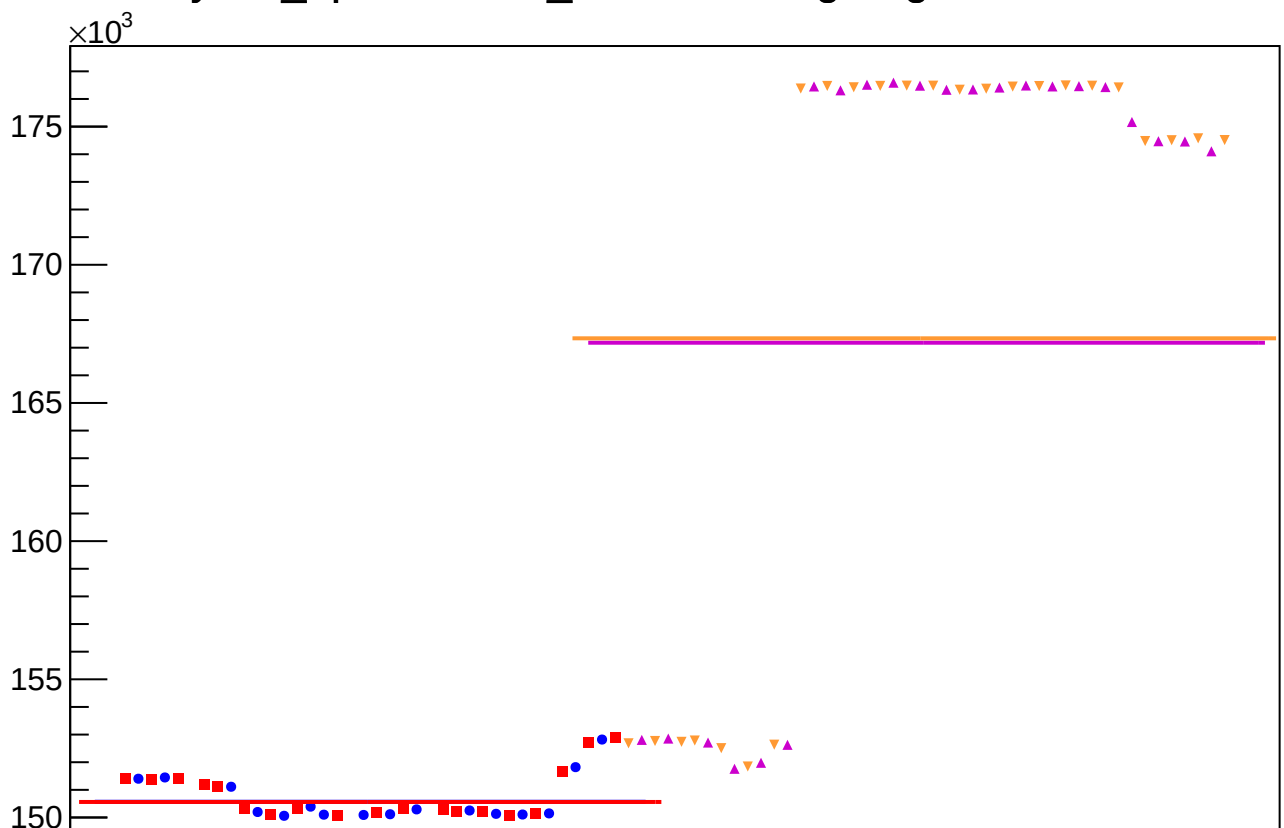
Left: 0.754+/-0.000 χ^2/NDF: 1101140.7/45

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.772+/-0.000 χ^2/NDF:2831962.6/37

Out: 0.774+/-0.000 χ^2/NDF:2975193.0/42

All: 0.773+/-0.000 χ^2/NDF: 5807327.9/80



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167339.202+/-0.047 χ^2/NDF:59449479543.7/23

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: 167263.140+/-0.034 χ^2/NDF: 114393470187.

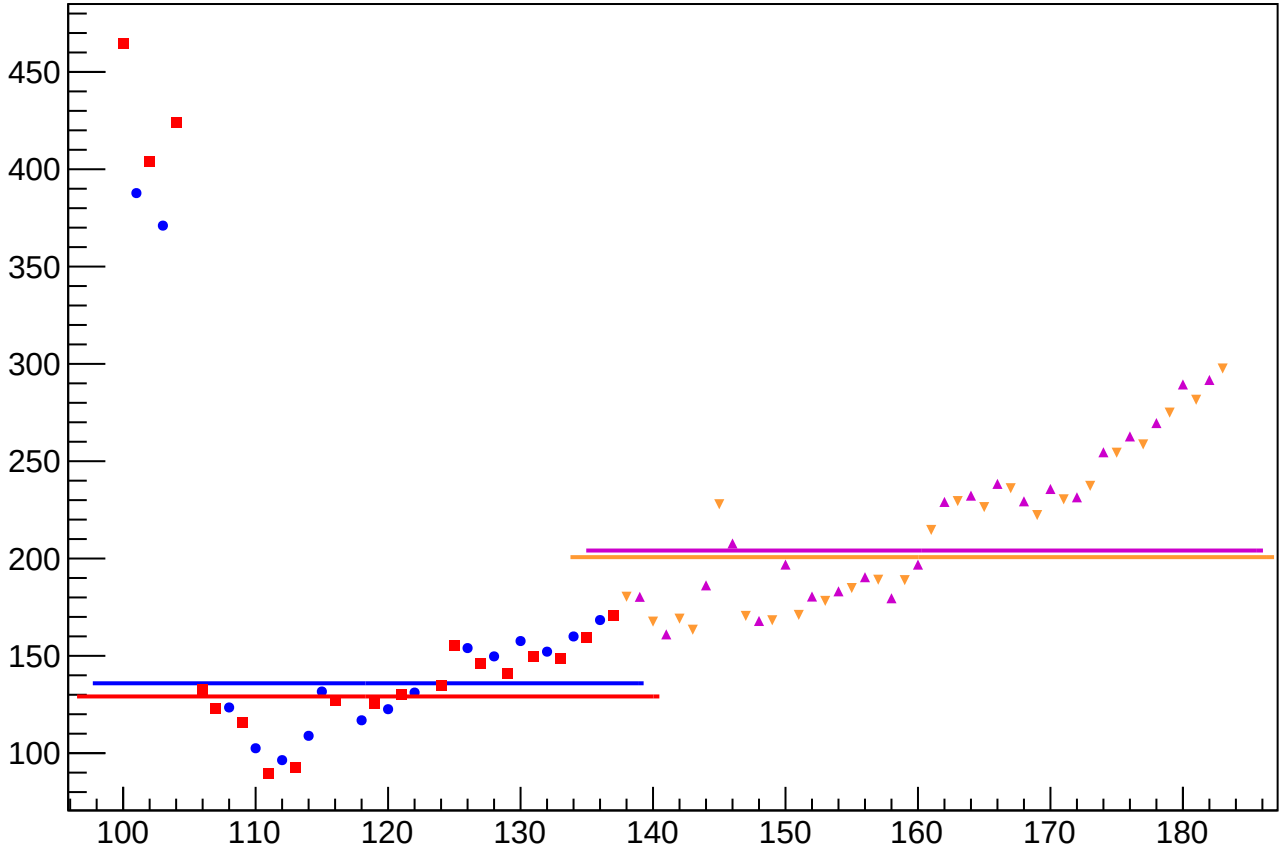
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159761.419+/-0.036 χ^2/NDF:106378506308.2

Out: 159652.077+/-0.035 χ^2/NDF:118325909096.

All: 159703.692+/-0.025 χ^2/NDF: 224709154

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 200.708+/-0.033 χ^2/NDF:1175639.8/23

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 204.109+/-0.035 χ^2/NDF:997162.7/21

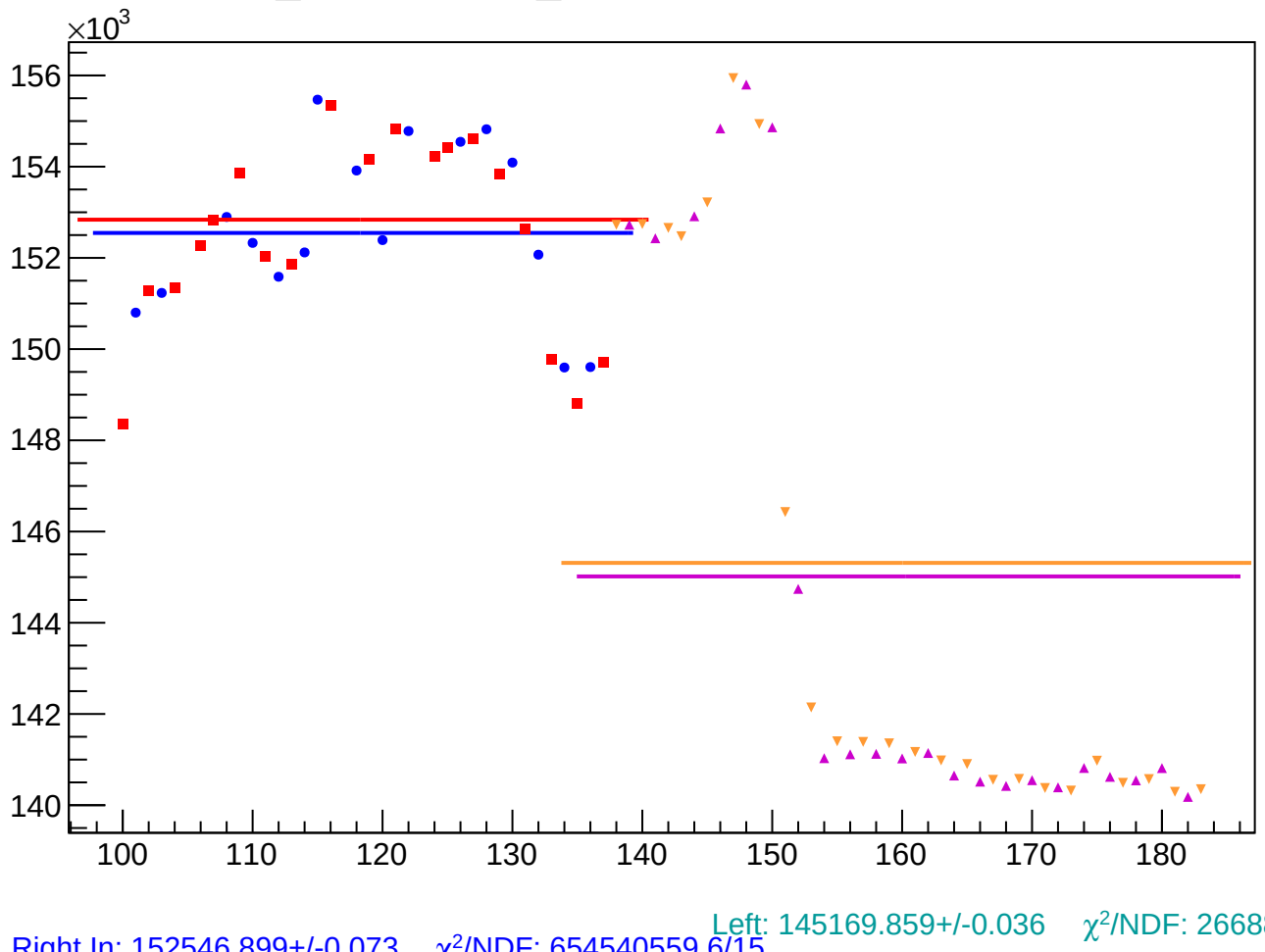
Left: 202.331+/-0.024 χ^2/NDF: 2177824.5/45

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 173.645+/-0.026 χ^2/NDF:4140321.6/37

Out: 167.913+/-0.024 χ^2/NDF:4925998.3/42

All: 170.619+/-0.018 χ^2/NDF: 9092373.2/80



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145312.813+/-0.050 χ^2/NDF:13613112060.9/23

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: 145169.859+/-0.036 χ^2/NDF: 26688267089.4

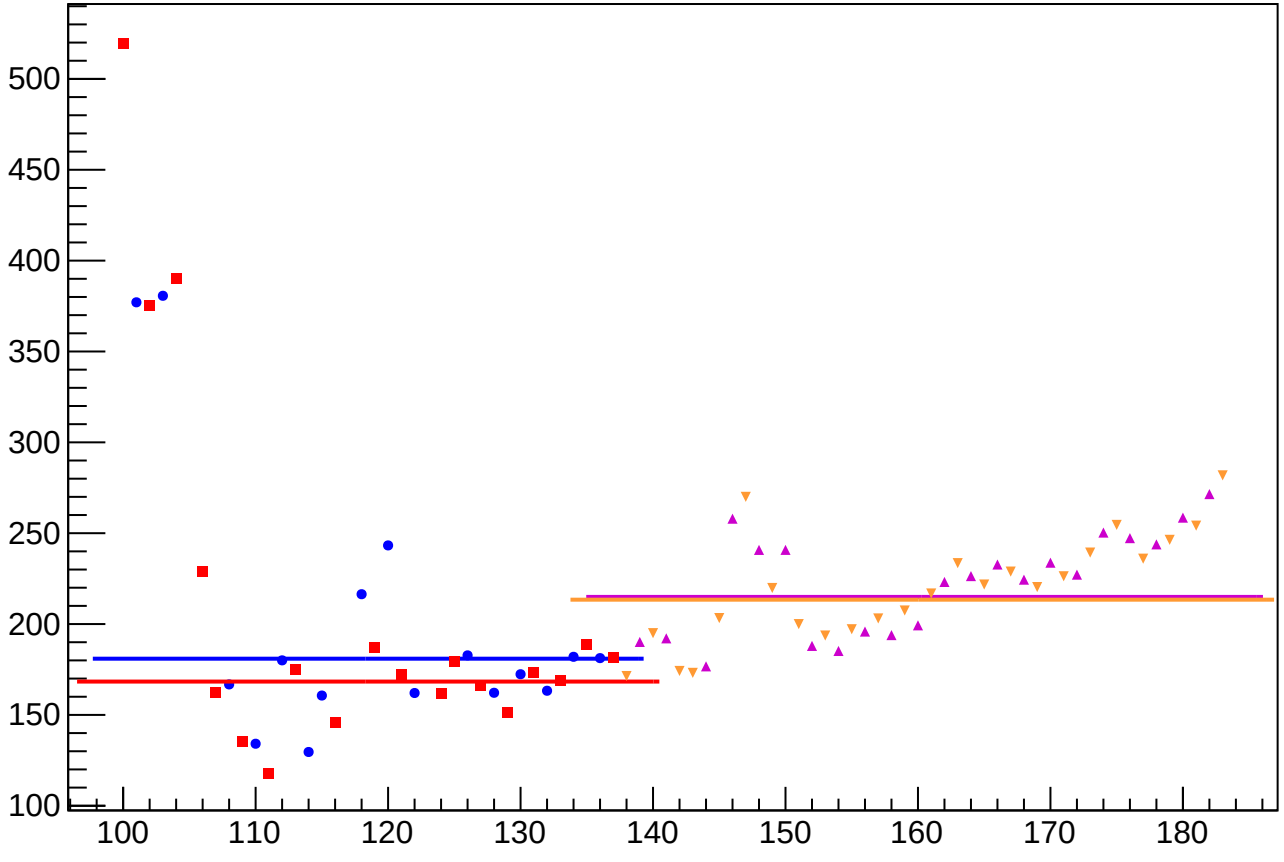
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 147533.113+/-0.042 χ^2/NDF:20873198637.6/3

Out: 147993.538+/-0.040 χ^2/NDF:22553832993.6

All: 147775.676+/-0.029 χ^2/NDF: 43490399

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 213.414+/-0.035 χ^2/NDF:621503.7/23

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 214.941+/-0.036 χ^2/NDF:572468.7/21

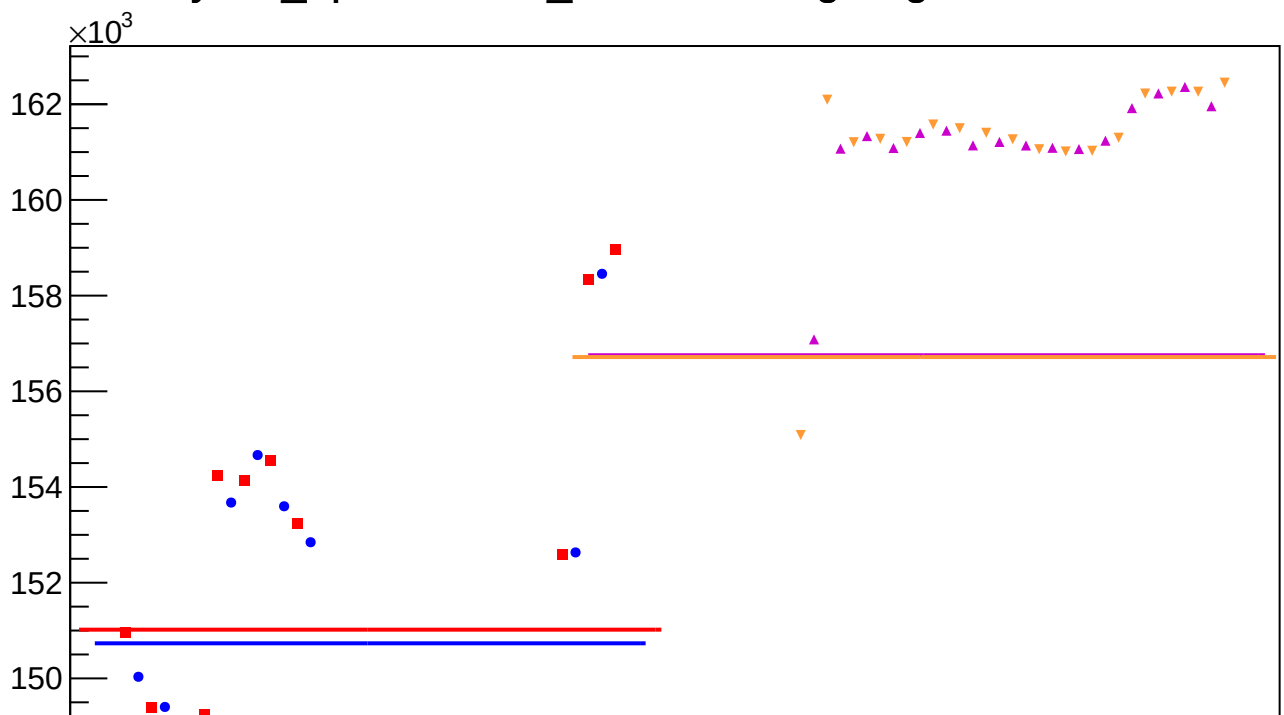
Left: 214.149+/-0.025 χ^2/NDF: 1194885.4/45

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 203.576+/-0.030 χ^2/NDF:1772180.1/37

Out: 197.360+/-0.028 χ^2/NDF:2299038.3/42

All: 200.301+/-0.020 χ^2/NDF: 4094315.0/80



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156716.050+/-0.049 χ^2/NDF:16289834045.0/23

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: 156734.168+/-0.035 χ^2/NDF: 30543557248.4

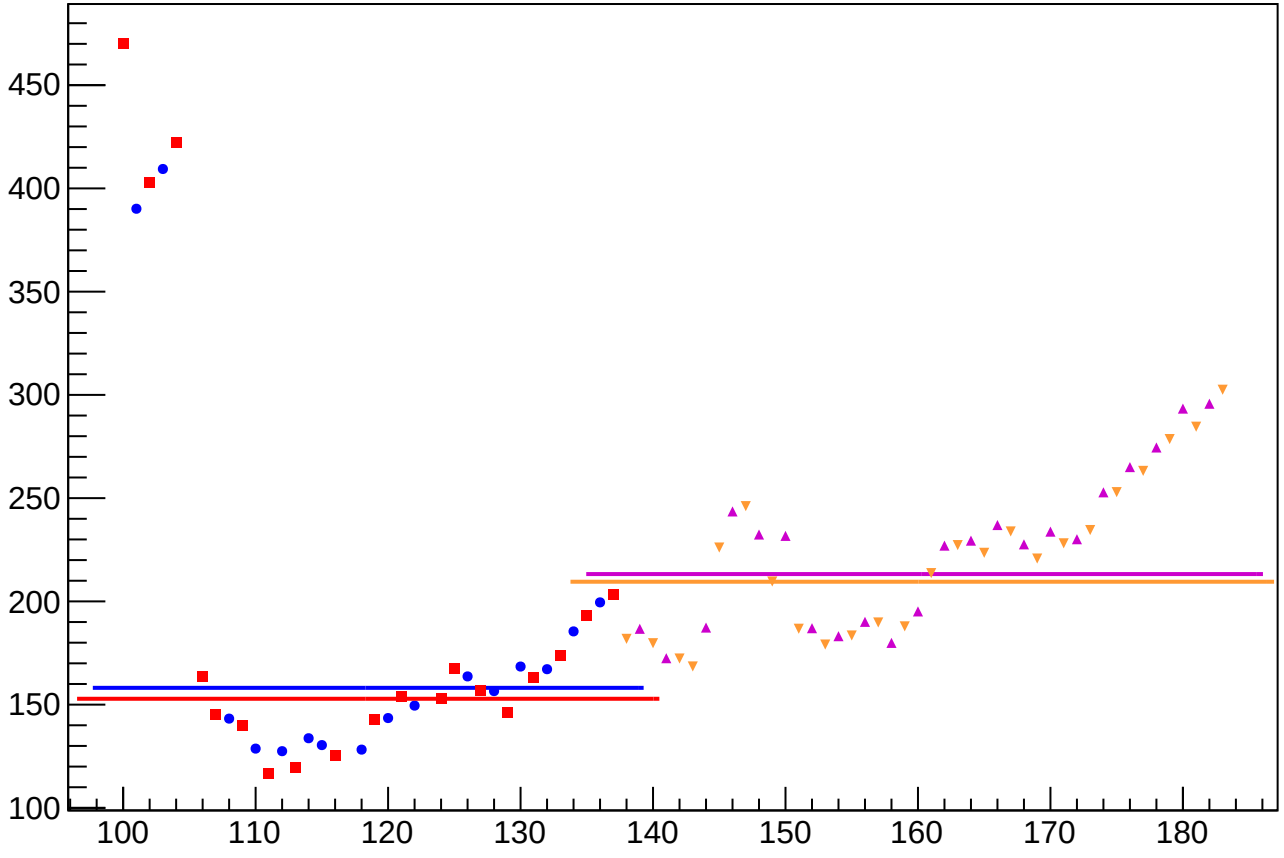
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 154356.854+/-0.040 χ^2/NDF:23051755097.6/3

Out: 154449.967+/-0.038 χ^2/NDF:24996719535.8

All: 154405.587+/-0.027 χ^2/NDF: 480513553

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 209.521+/-0.035 χ^2/NDF:949688.5/23

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 213.233+/-0.036 χ^2/NDF:866807.8/21

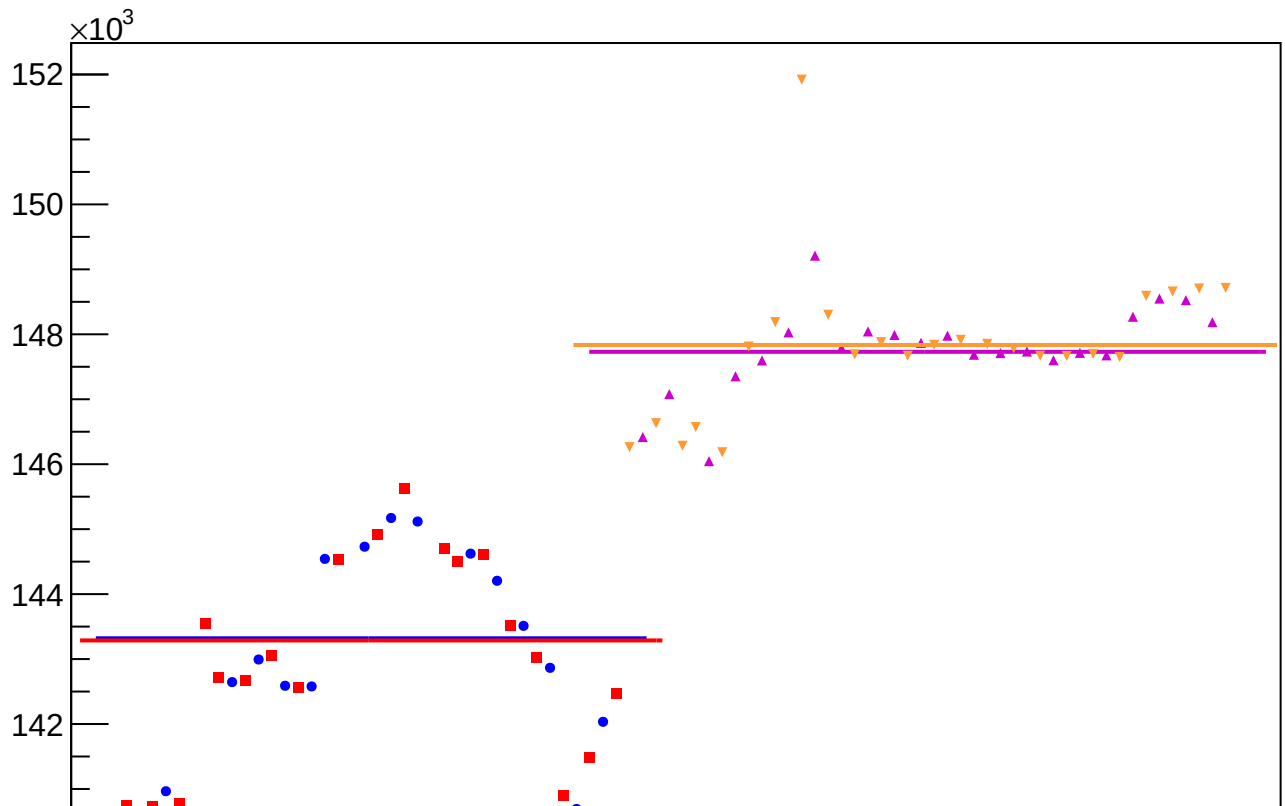
Left: 211.290+/-0.025 χ^2/NDF: 1822008.5/45

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 191.296+/-0.028 χ^2/NDF:2986051.6/37

Out: 186.978+/-0.027 χ^2/NDF:3286862.2/42

All: 189.036+/-0.019 χ^2/NDF: 6285307.0/80



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147835.326+/-0.045 χ^2/NDF:709841849.7/23

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: 147785.256+/-0.033 χ^2/NDF: 937424010.3/45

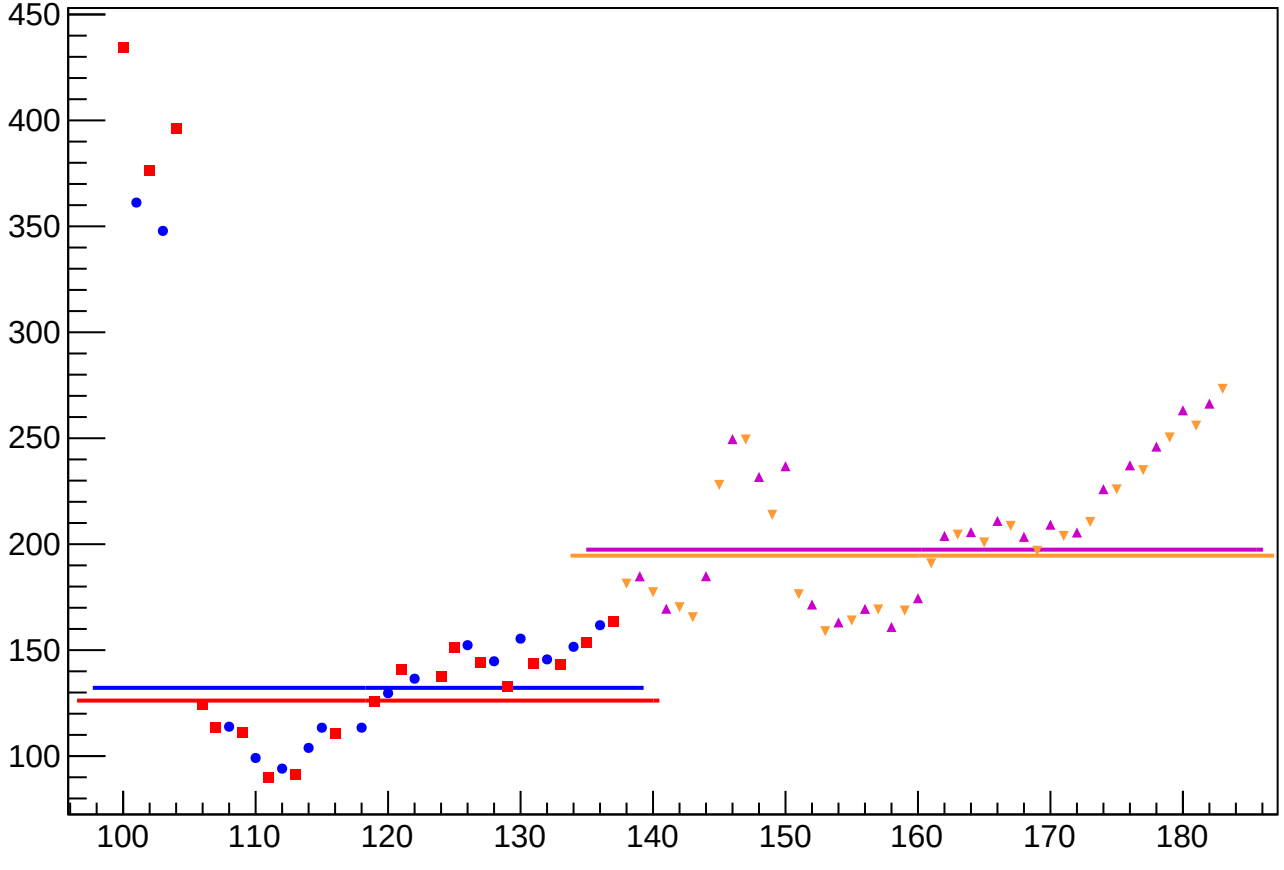
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145776.049+/-0.035 χ^2/NDF:4623422161.1/37

Out: 145772.127+/-0.033 χ^2/NDF:5905233123.1/4

All: 145773.981+/-0.024 χ^2/NDF: 10528661

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 194.589+/-0.032 χ^2/NDF:861191.6/23

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 197.421+/-0.034 χ^2/NDF:858126.0/21

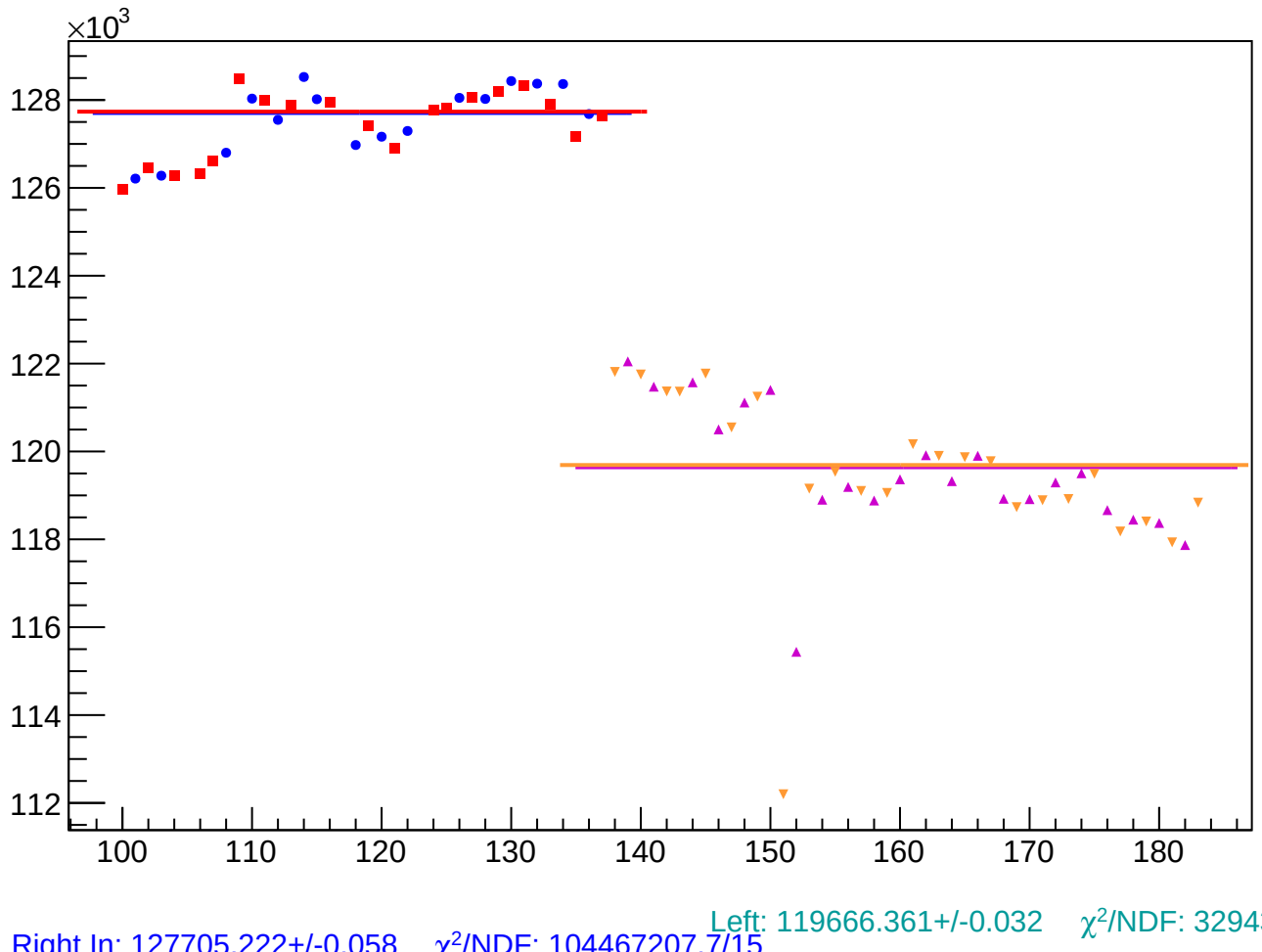
Left: 195.941+/-0.023 χ^2/NDF: 1723049.6/45

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

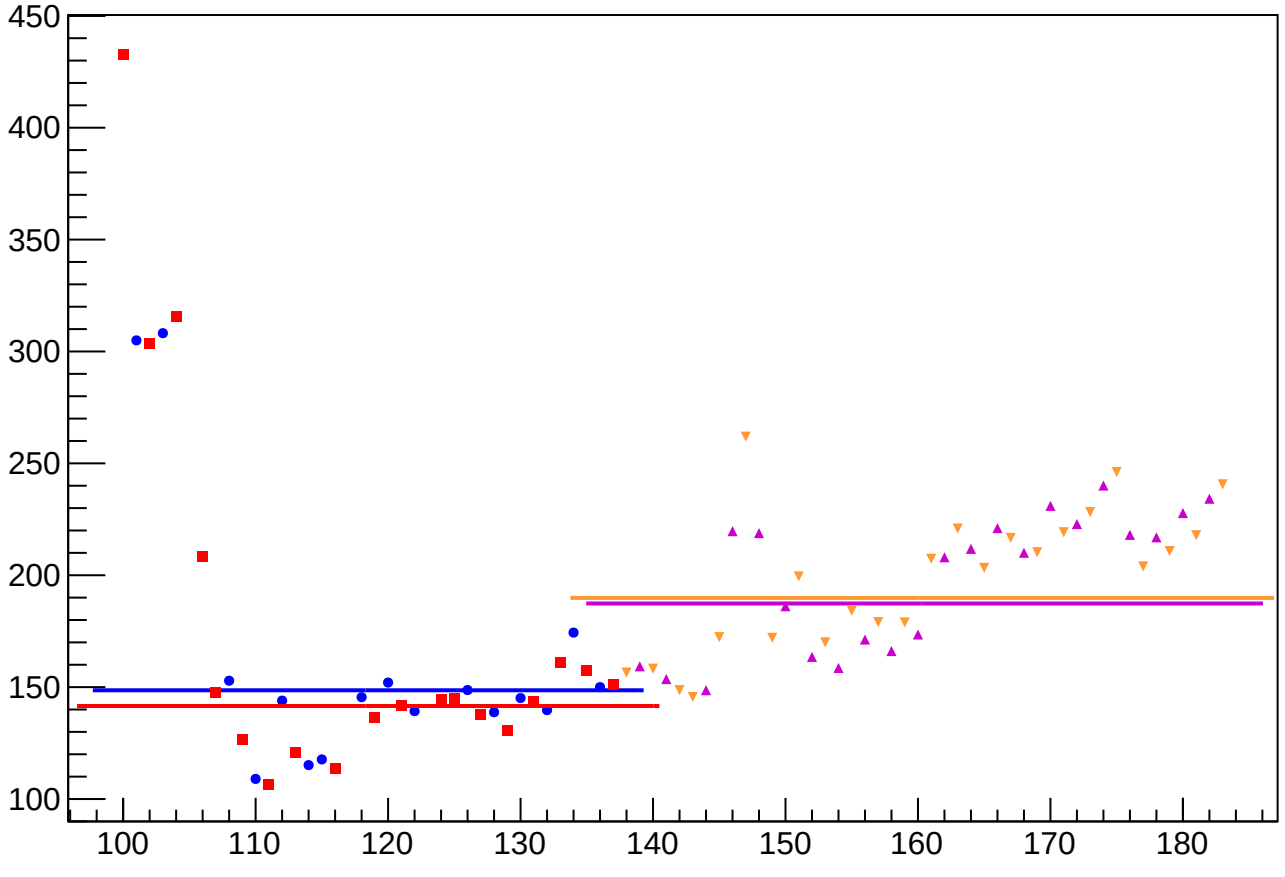
In: 168.524+/-0.025 χ^2/NDF:3915861.6/37

Out: 163.563+/-0.024 χ^2/NDF:4475330.5/42

All: 165.908+/-0.017 χ^2/NDF: 8411948.1/80


yield_bpm0l01WS_mean vs Slug, Sign Corrected
×10^3
128
126
124
122
120
118
116
114
112
100
110
120
130
140
150
160
170
180
Right In: 127705.222+/-0.058 χ²/NDF: 104467207.7/15
Left Out: 119691.259+/-0.044 χ²/NDF:1982641320.2/23
Right Out: 127734.542+/-0.055 χ²/NDF: 109469333.8/18
Left In: 119640.628+/-0.045 χ²/NDF:1311030070.4/21
Left: 119666.361+/-0.032 χ²/NDF: 3294308971.9/4
Right: 127720.787+/-0.040 χ²/NDF: 214070280.4/3
In: 122661.120+/-0.036 χ²/NDF:13336145337.8/3
Out: 122876.572+/-0.035 χ²/NDF:15050013563.9
All: 122772.502+/-0.025 χ²/NDF: 28404934

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 189.877+/-0.031 χ^2/NDF:904702.2/23

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 187.381+/-0.032 χ^2/NDF:897685.5/21

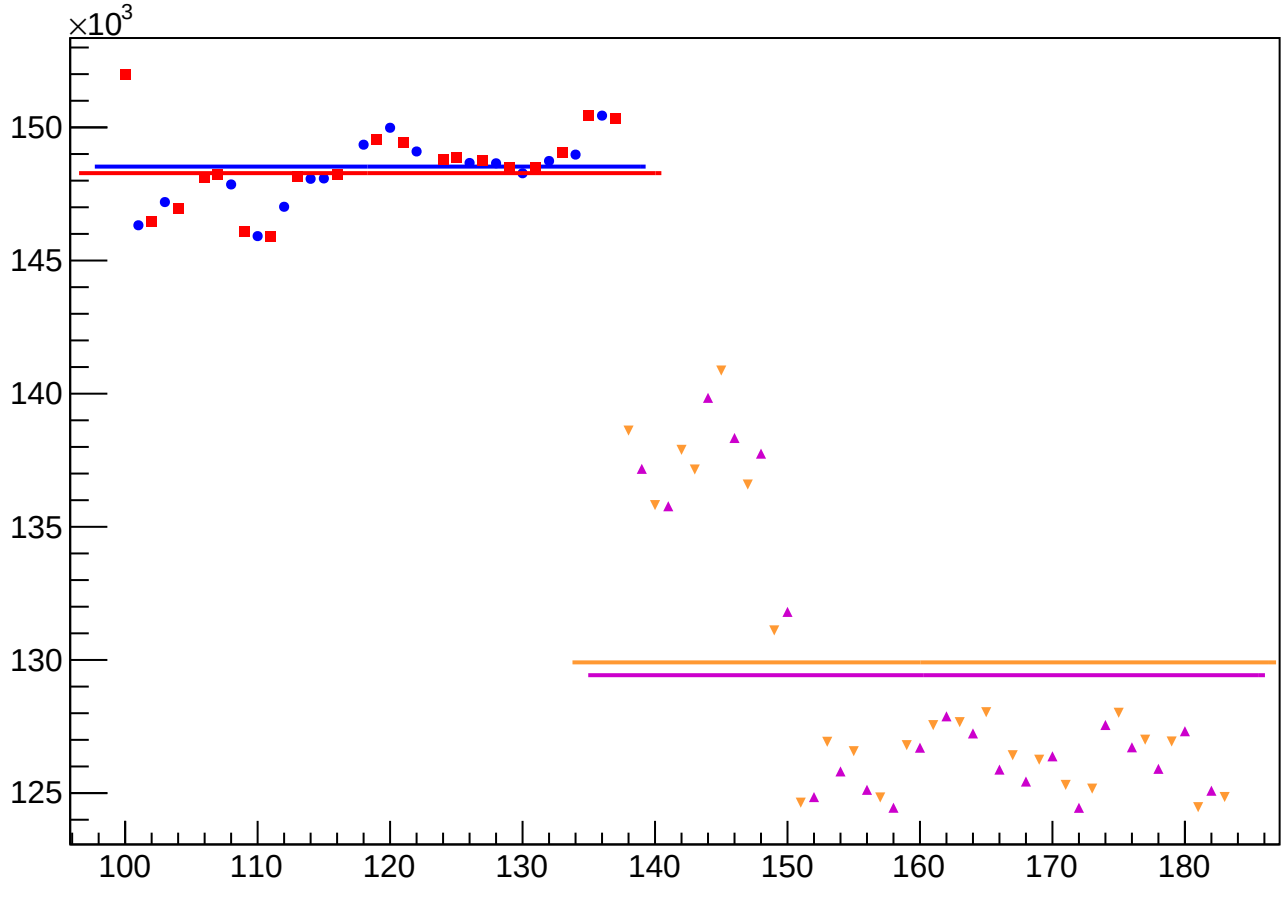
Left: 188.649+/-0.022 χ^2/NDF: 1805486.0/45

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 172.853+/-0.025 χ^2/NDF:2276900.4/37

Out: 170.743+/-0.024 χ^2/NDF:2840978.9/42

All: 171.763+/-0.018 χ^2/NDF: 5121480.9/80



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 129909.009+/-0.065 χ^2/NDF:6684138758.7/23

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: 129672.759+/-0.046 χ^2/NDF: 13254459523.4

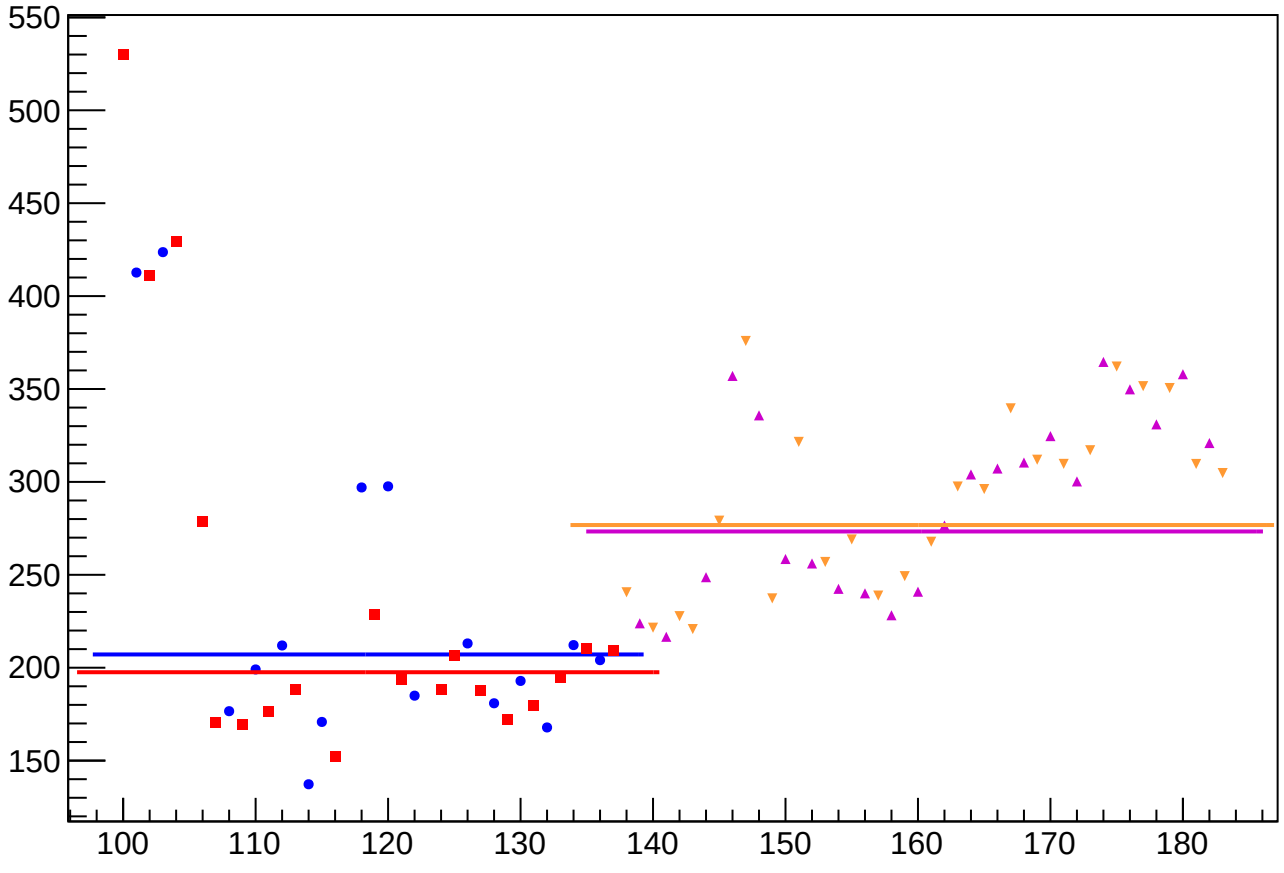
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 136911.561+/-0.051 χ^2/NDF:39796616986.4/3

Out: 137543.737+/-0.049 χ^2/NDF:40598738408.7

All: 137239.634+/-0.036 χ^2/NDF: 804741917

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 276.786+/-0.046 χ^2/NDF:944434.8/23

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 273.324+/-0.047 χ^2/NDF:996153.6/21

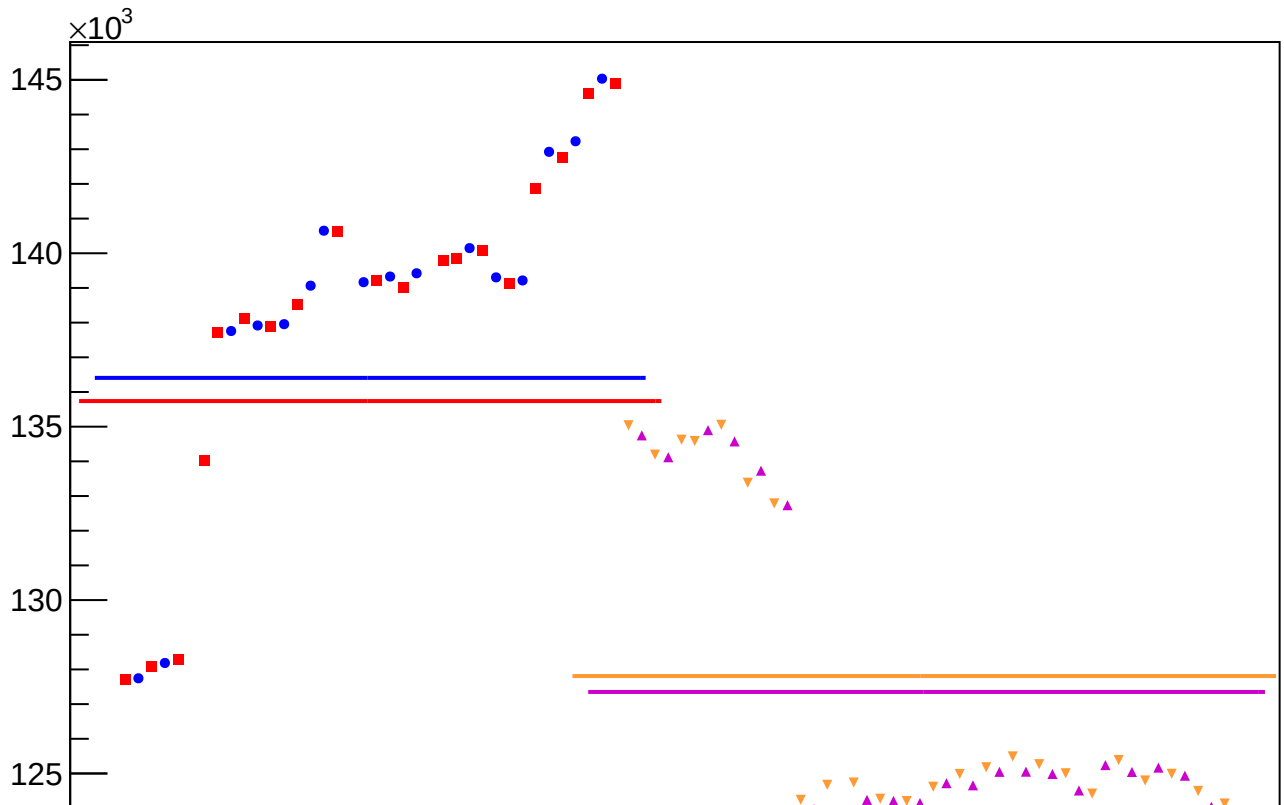
Left: 275.086+/-0.033 χ^2/NDF: 1943409.1/45

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 247.390+/-0.036 χ^2/NDF:2762044.0/37

Out: 243.869+/-0.035 χ^2/NDF:3098356.2/42

All: 245.563+/-0.025 χ^2/NDF: 5865290.8/80



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 127809.277+/-0.137 χ^2/NDF:1080185943.8/23

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: 127584.894+/-0.098 χ^2/NDF: 2038601584.6/4

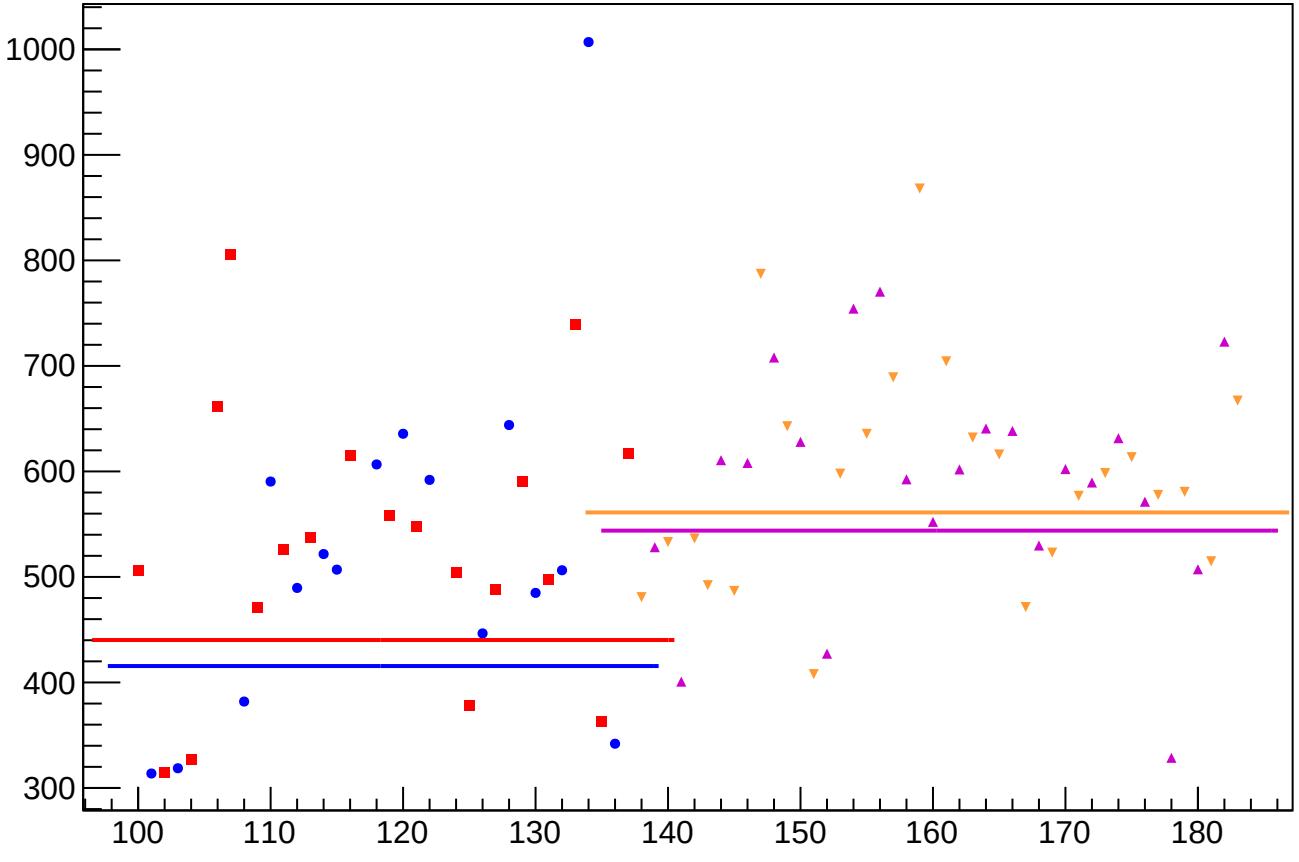
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 131044.551+/-0.108 χ^2/NDF:4238883325.7/37

Out: 130785.568+/-0.108 χ^2/NDF:3512500446.1/4

All: 130915.754+/-0.076 χ^2/NDF: 775426152

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 561.127+/-0.097 χ^2/NDF:927948.7/23

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 543.890+/-0.099 χ^2/NDF:1411015.4/21

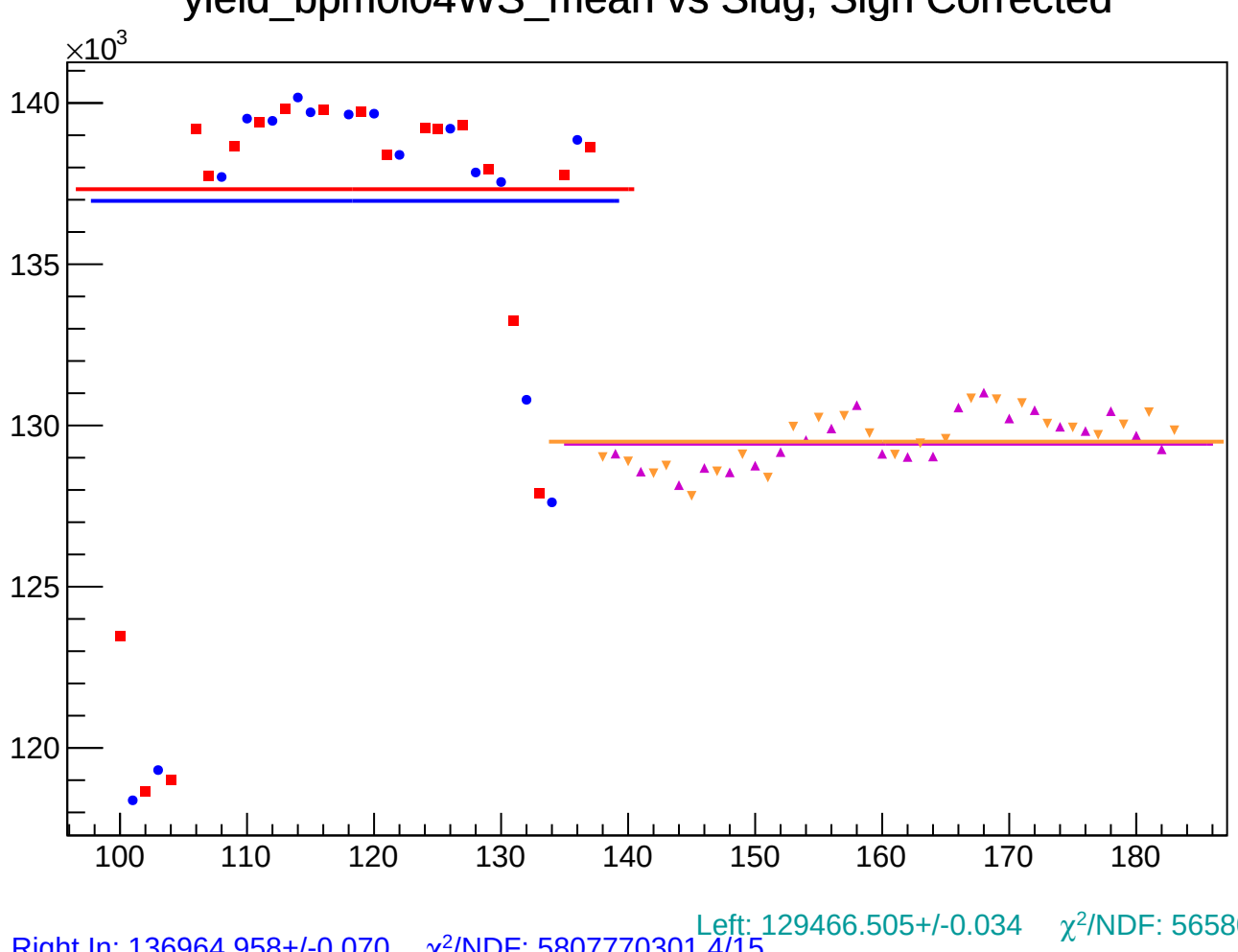
Left: 552.693+/-0.069 χ^2/NDF: 2354464.6/45

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

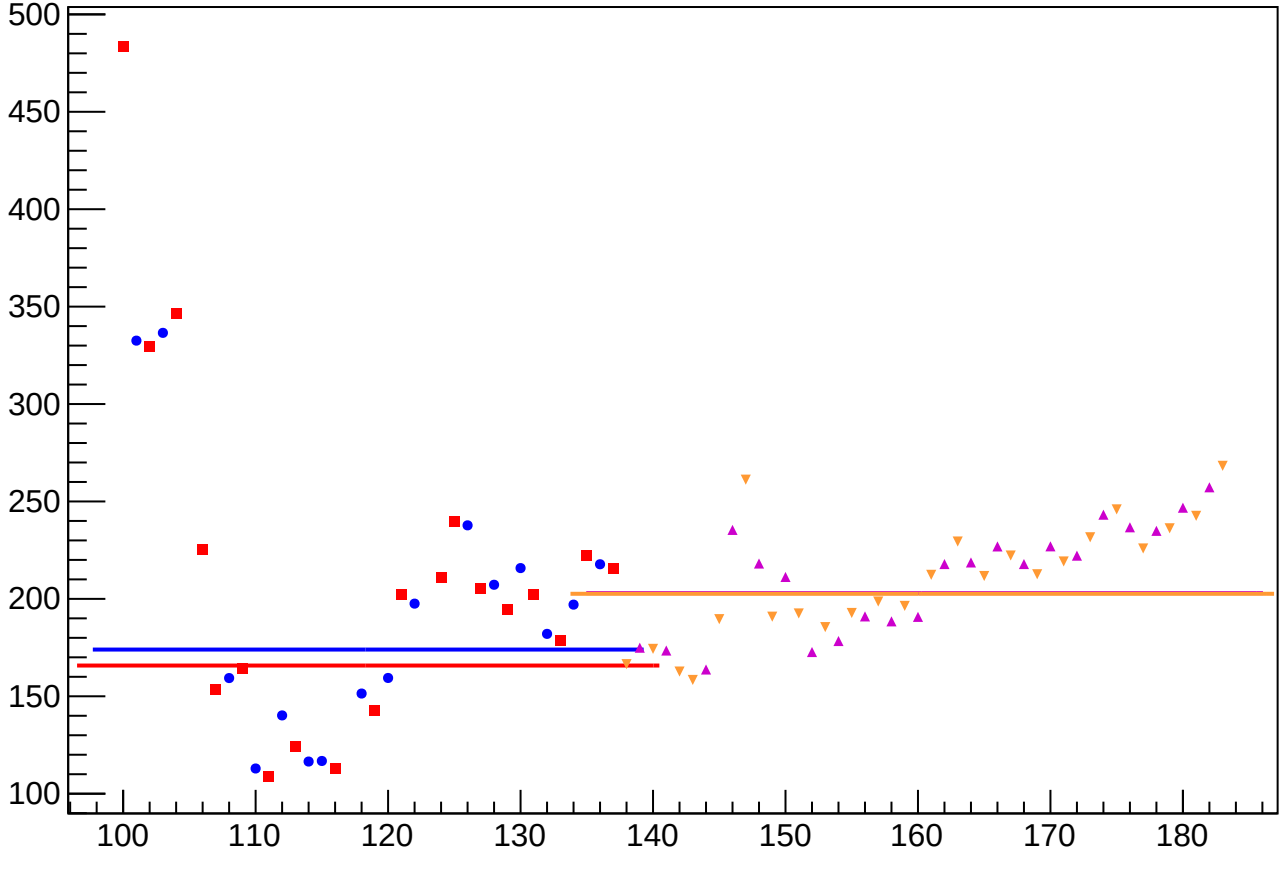
In: 491.542+/-0.076 χ^2/NDF:3129042.8/37

Out: 515.742+/-0.077 χ^2/NDF:2423854.5/42

All: 503.577+/-0.054 χ^2/NDF: 5603151.5/80


yield_bpm0l04WS_mean vs Slug, Sign Corrected
×10^3
140
135
130
125
120
100
110
120
130
140
150
160
170
180
Right In: 136964.958+/-0.070 χ²/NDF: 5807770301.4/15
Left Out: 129498.077+/-0.047 χ²/NDF:296822474.0/23
Right Out: 137327.469+/-0.066 χ²/NDF: 5737745895.7/18
Left In: 129432.930+/-0.049 χ²/NDF:268062941.6/21
Left: 129466.505+/-0.034 χ²/NDF: 565809218.2/45
Right: 137157.181+/-0.048 χ²/NDF: 1155984872
In: 131899.701+/-0.040 χ²/NDF:13922900044.2/3
Out: 132166.161+/-0.038 χ²/NDF:15416781214.5
All: 132038.353+/-0.028 χ²/NDF: 29362883

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 202.609+/-0.033 χ^2/NDF:727894.5/23

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 202.962+/-0.034 χ^2/NDF:635262.6/21

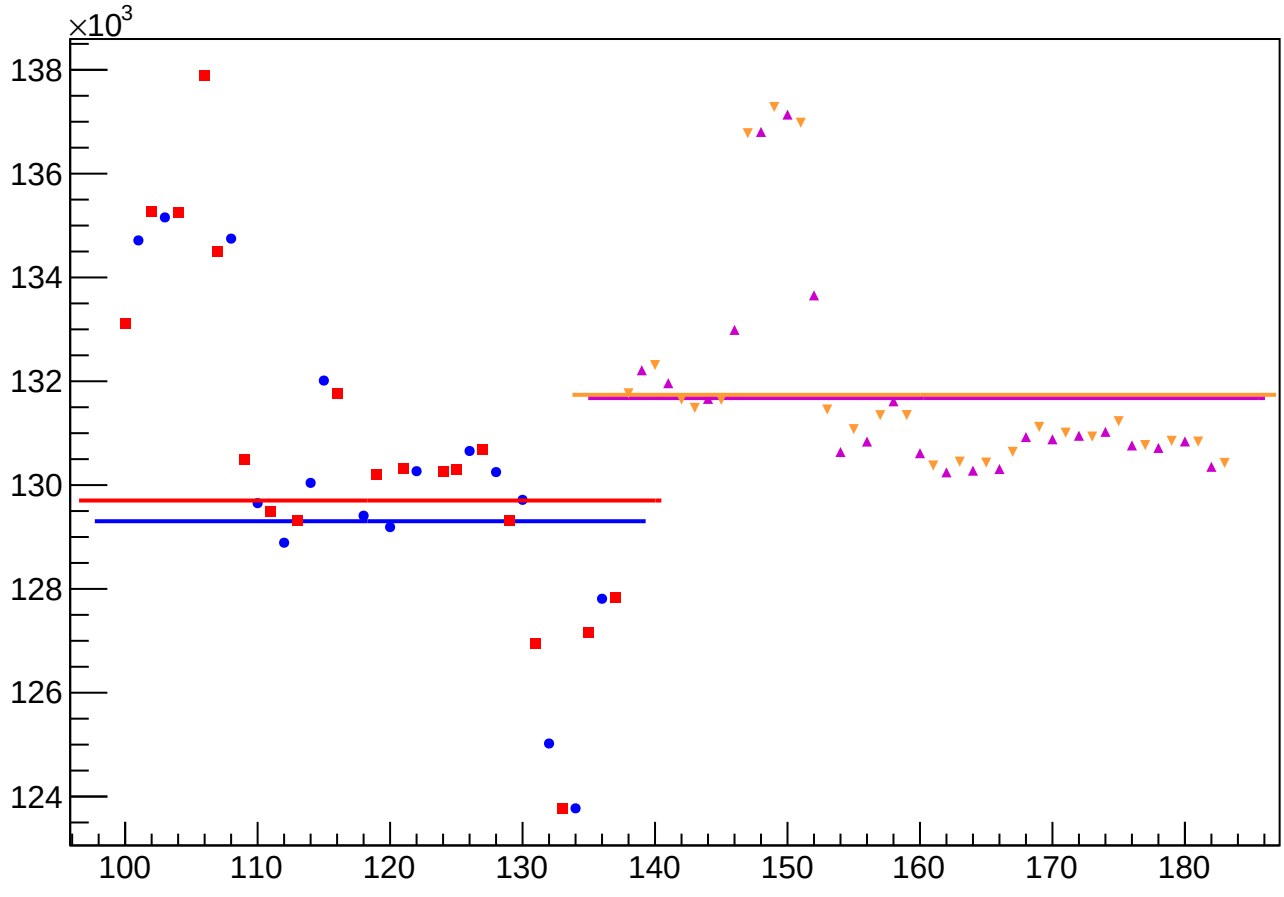
Left: 202.780+/-0.024 χ^2/NDF: 1363211.5/45

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 193.471+/-0.028 χ^2/NDF:2056096.2/37

Out: 190.058+/-0.027 χ^2/NDF:2576239.0/42

All: 191.695+/-0.020 χ^2/NDF: 4639947.0/80



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131739.402+/-0.047 χ^2/NDF:1416685450.9/23

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: 131708.643+/-0.034 χ^2/NDF: 2571248749.9/4

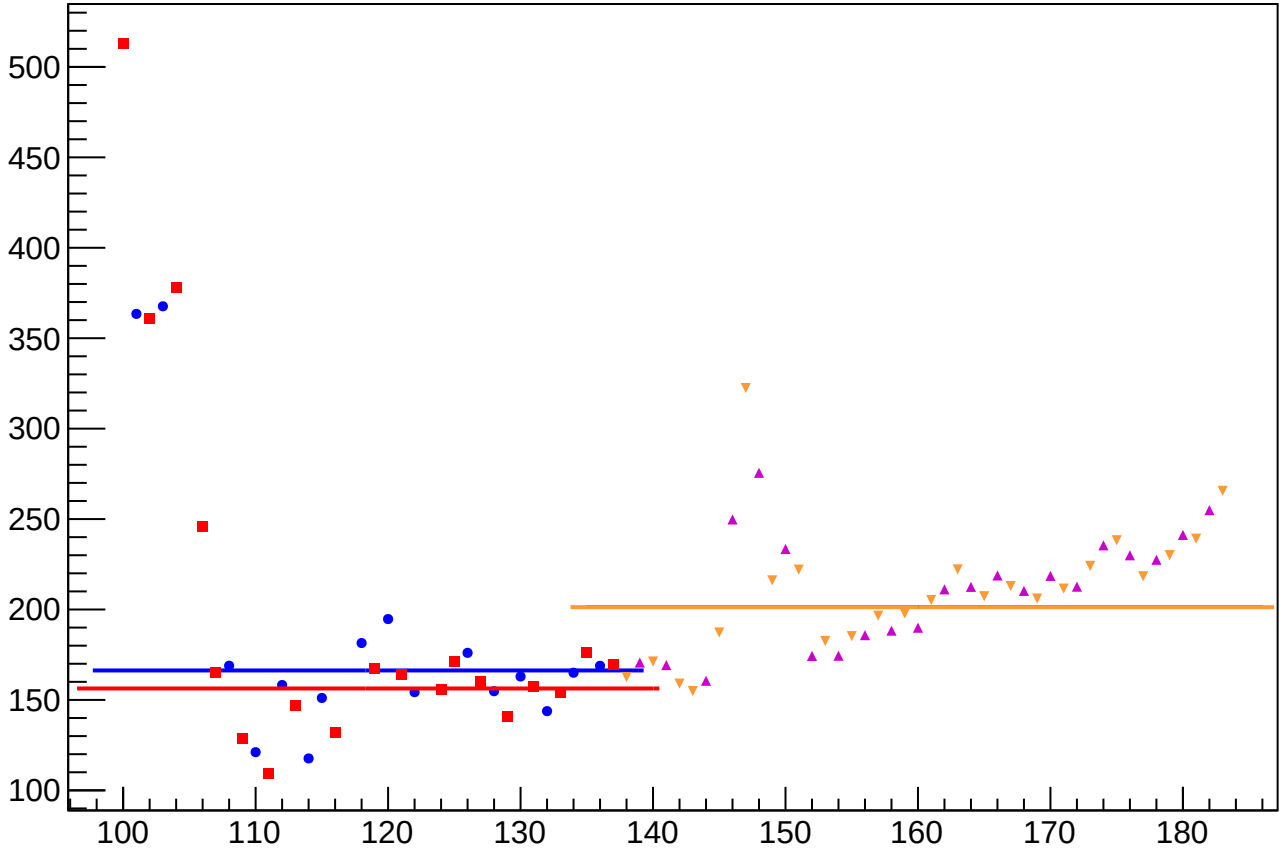
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130849.520+/-0.039 χ^2/NDF:3640523567.8/37

Out: 130988.291+/-0.037 χ^2/NDF:3885844065.3/4

All: 130921.999+/-0.027 χ^2/NDF: 75329542

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 201.291+/-0.033 χ^2/NDF:877056.3/23

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 201.388+/-0.034 χ^2/NDF:775156.5/21

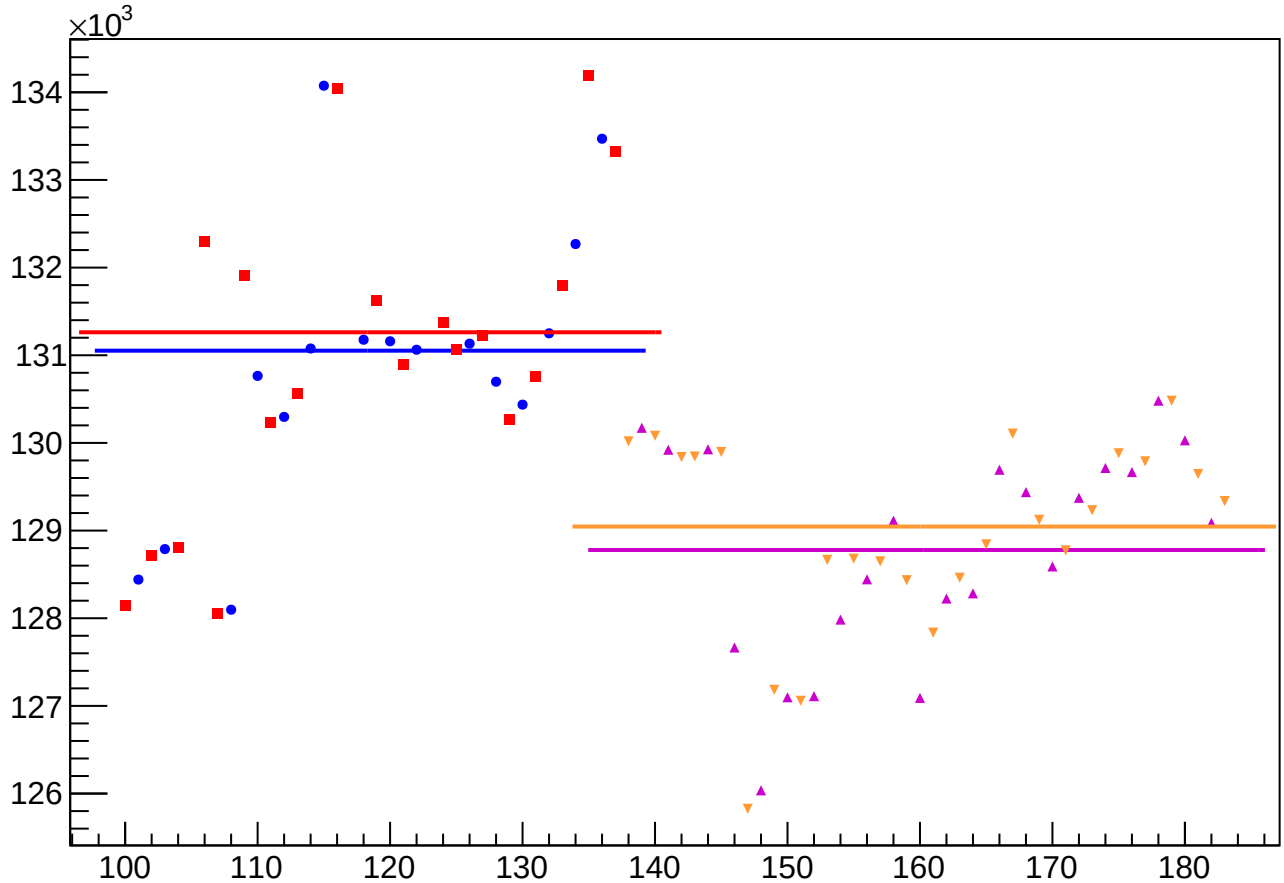
Left: 201.338+/-0.024 χ^2/NDF: 1652216.9/45

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 189.163+/-0.028 χ^2/NDF:2079139.4/37

Out: 184.713+/-0.026 χ^2/NDF:2723595.9/42

All: 186.839+/-0.019 χ^2/NDF: 4816283.8/80



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129045.886+/-0.046 χ^2/NDF:529590904.3/23

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: 128916.388+/-0.033 χ^2/NDF: 1200497074.0/4

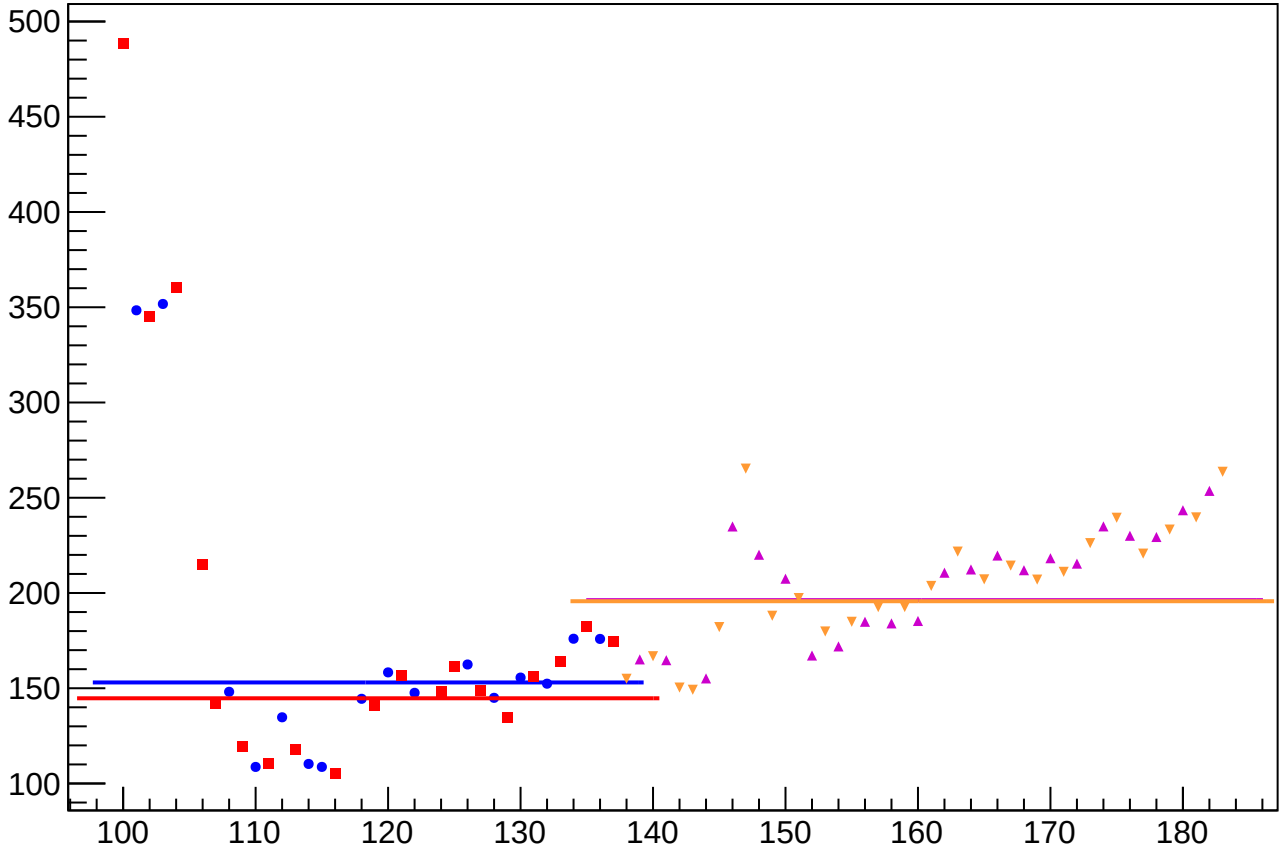
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129634.493+/-0.037 χ^2/NDF:2054807975.1/37

Out: 129918.649+/-0.036 χ^2/NDF:2061308183.4/4

All: 129782.998+/-0.026 χ^2/NDF: 41466023

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 195.684+/-0.032 χ^2/NDF:889634.4/23

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 196.261+/-0.033 χ^2/NDF:740230.7/21

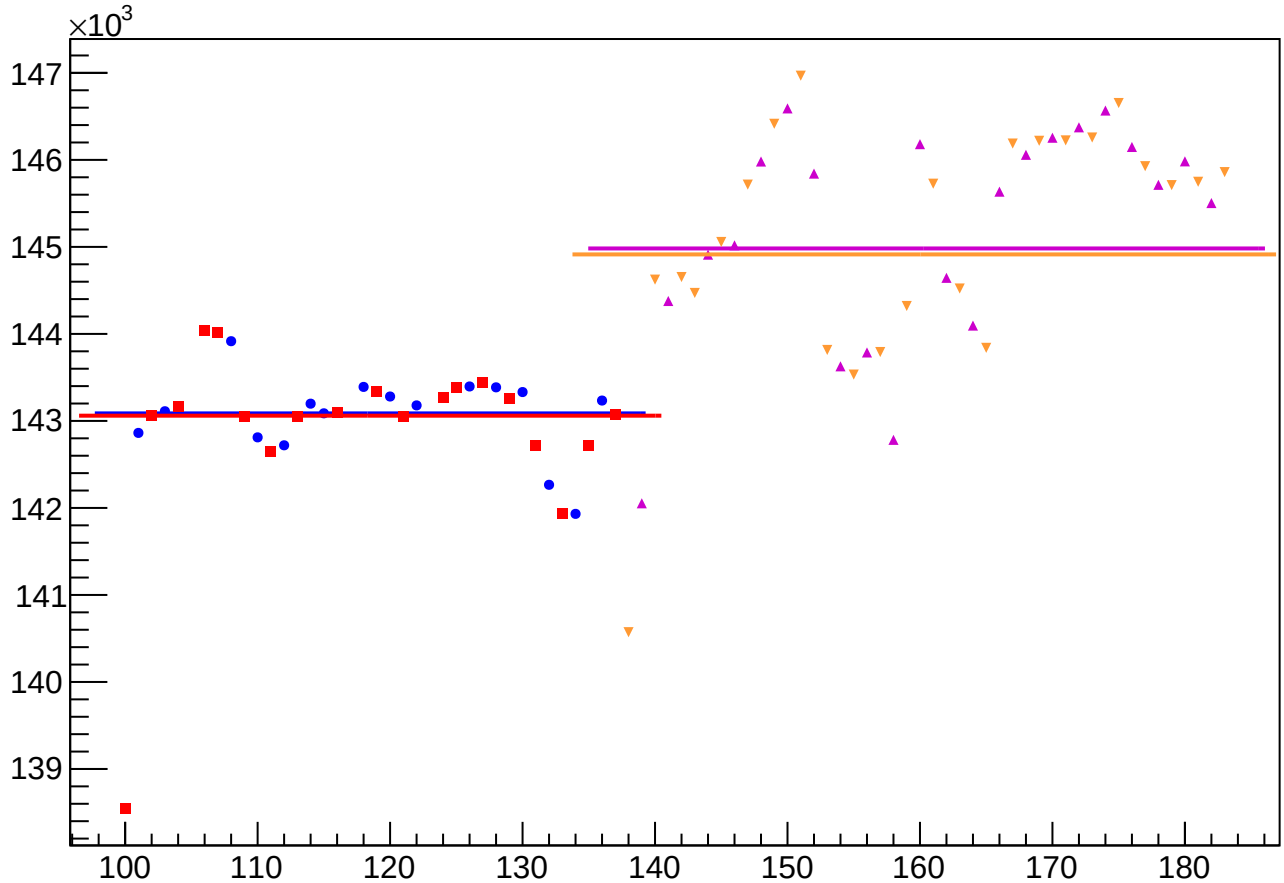
Left: 195.963+/-0.023 χ^2/NDF: 1630019.6/45

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

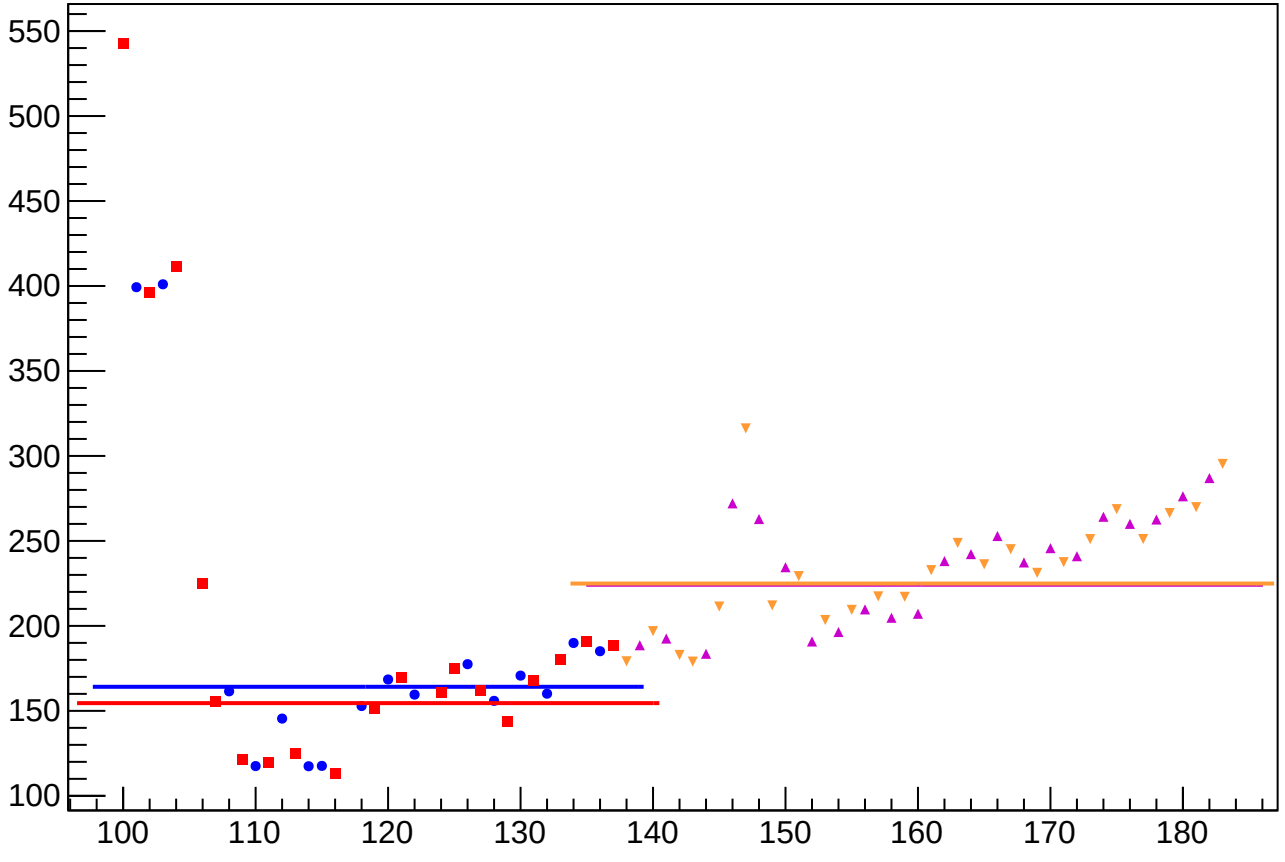
In: 179.993+/-0.026 χ^2/NDF:2433180.1/37

Out: 175.619+/-0.025 χ^2/NDF:3133420.6/42

All: 177.707+/-0.018 χ^2/NDF: 5581042.5/80


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
142
141
140
139
100
110
120
130
140
150
160
170
180
Right In: 143086.477+/-0.065 χ²/NDF: 46726277.8/15
Left Out: 144913.639+/-0.052 χ²/NDF:833965899.4/23
Right Out: 143060.268+/-0.061 χ²/NDF: 51715744.7/18
Left In: 144982.019+/-0.054 χ²/NDF:618285723.0/21
Left: 144946.949+/-0.038 χ²/NDF: 1453079727.7/4
Right: 143072.451+/-0.044 χ²/NDF: 98528807.3/34
In: 144212.327+/-0.041 χ²/NDF:1168831333.3/37
Out: 144120.776+/-0.040 χ²/NDF:1419923018.9/4
All: 144164.521+/-0.029 χ²/NDF: 25912989

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 224.915+/-0.037 χ^2/NDF:747226.8/23

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 224.201+/-0.038 χ^2/NDF:688991.9/21

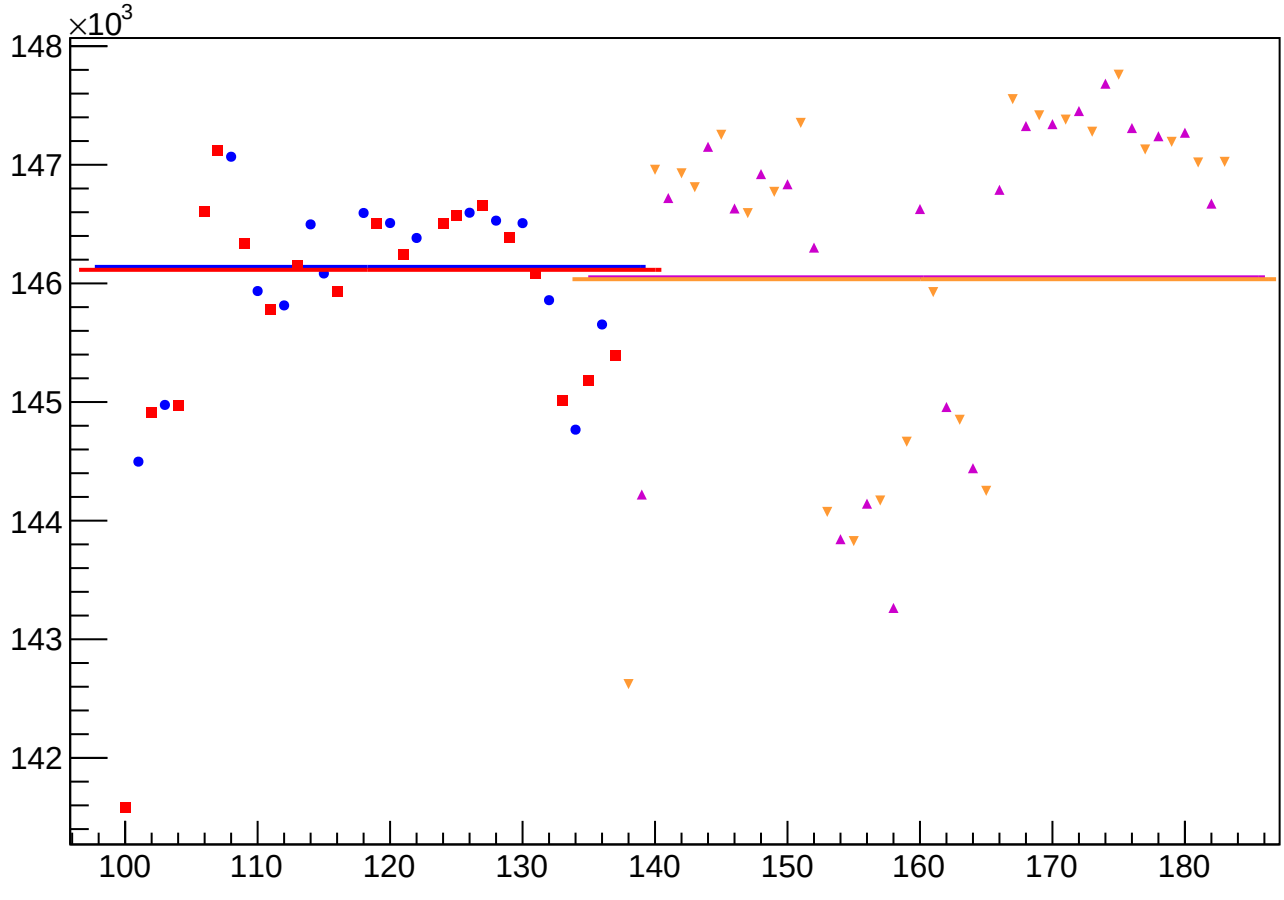
Left: 224.567+/-0.027 χ^2/NDF: 1436399.4/45

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 199.824+/-0.029 χ^2/NDF:2829489.7/37

Out: 194.817+/-0.028 χ^2/NDF:3653847.2/42

All: 197.209+/-0.020 χ^2/NDF: 6498559.5/80



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 146035.417+/-0.052 χ^2/NDF:880357611.2/23

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: 146043.062+/-0.037 χ^2/NDF: 1577964270.9/4

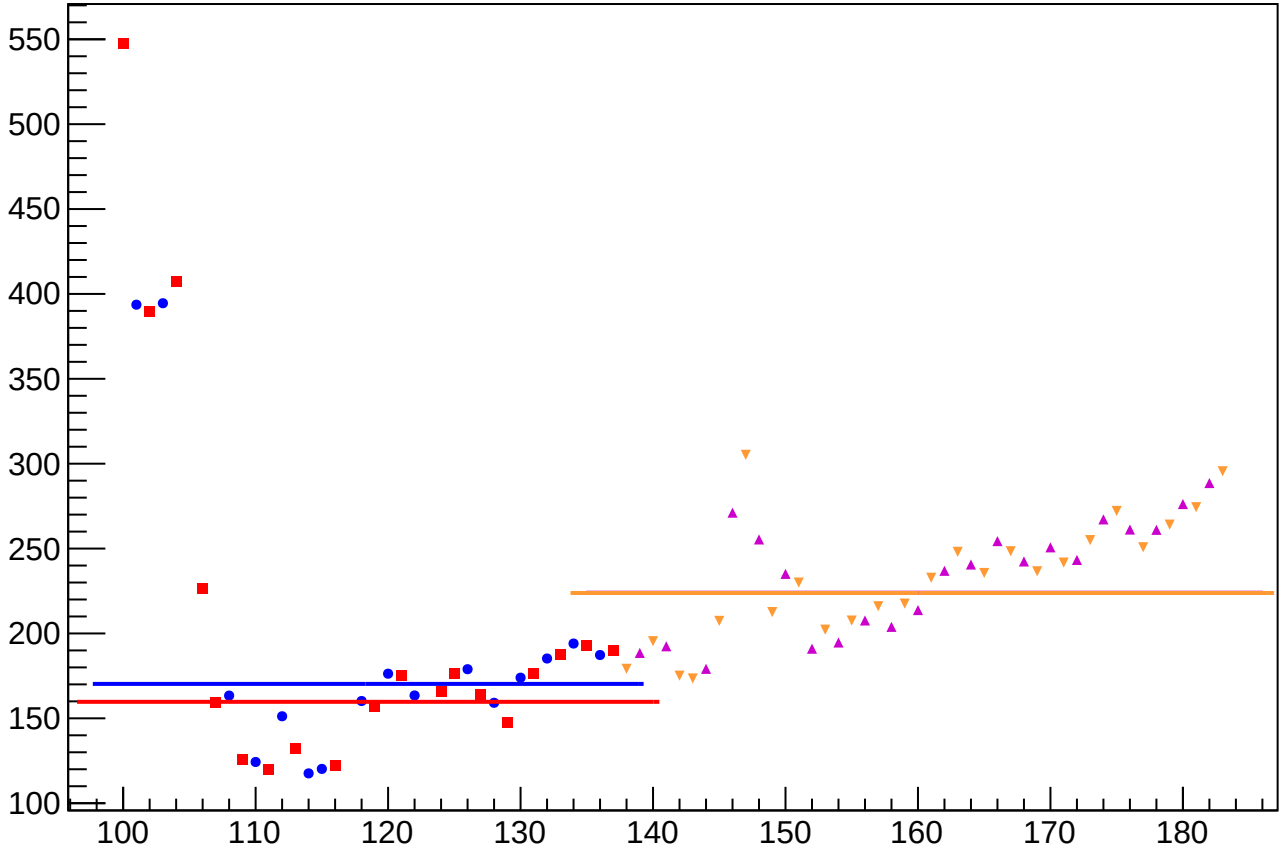
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146085.454+/-0.042 χ^2/NDF:770327194.5/37

Out: 146067.926+/-0.040 χ^2/NDF:954401848.8/42

All: 146076.268+/-0.029 χ^2/NDF: 17248201

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 223.844+/-0.037 χ^2/NDF:820252.2/23

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 223.989+/-0.038 χ^2/NDF:722533.1/21

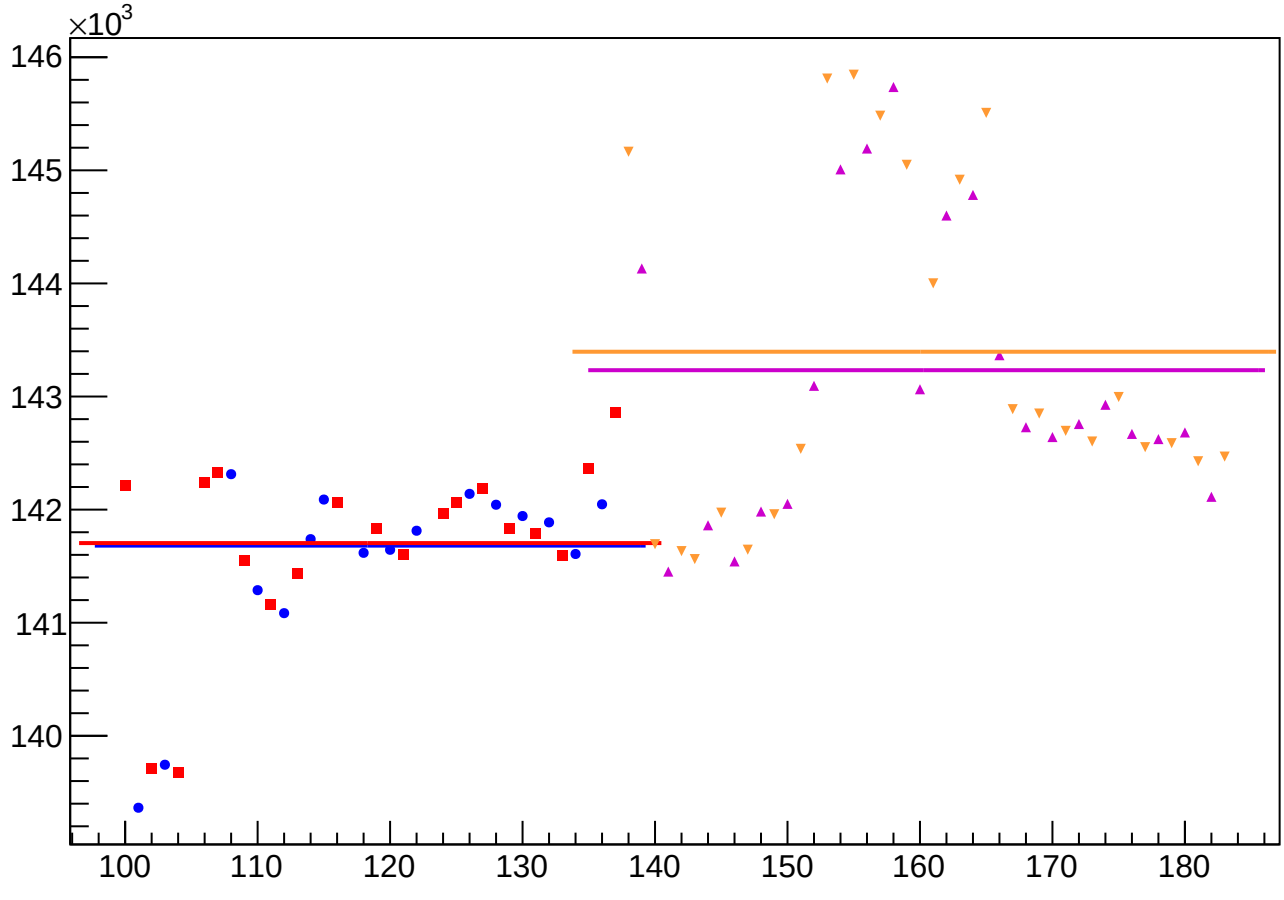
Left: 223.914+/-0.026 χ^2/NDF: 1542792.8/45

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 203.082+/-0.030 χ^2/NDF:2556030.2/37

Out: 197.472+/-0.028 χ^2/NDF:3351580.0/42

All: 200.142+/-0.021 χ^2/NDF: 5926268.6/80



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143396.067+/-0.054 χ^2/NDF:780667818.4/23

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: 143316.188+/-0.039 χ^2/NDF: 1321228499.6/4

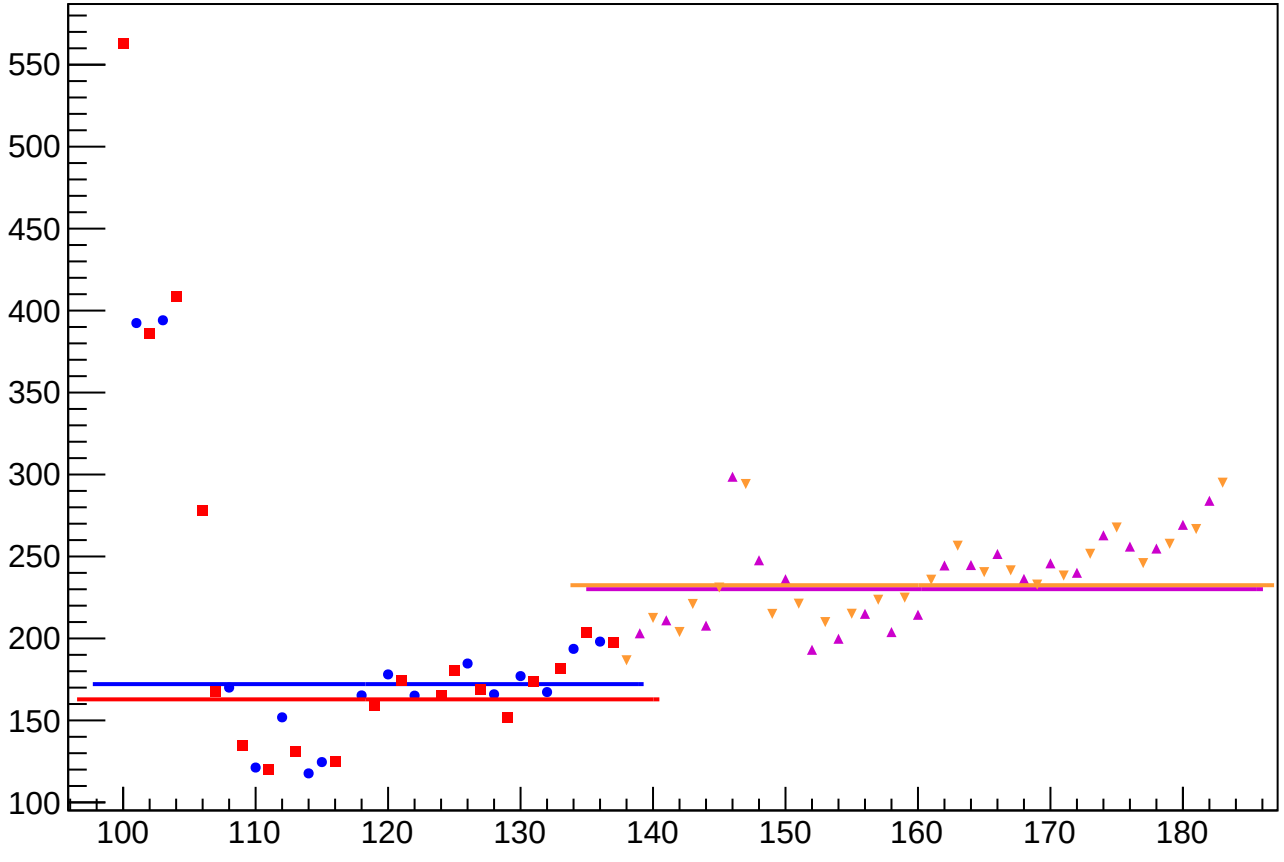
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142621.103+/-0.043 χ^2/NDF:912918586.7/37

Out: 142691.085+/-0.041 χ^2/NDF:1256482831.5/4

All: 142657.504+/-0.030 χ^2/NDF: 21707872

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 232.477+/-0.038 χ^2/NDF:423770.4/23

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 230.070+/-0.039 χ^2/NDF:485265.8/21

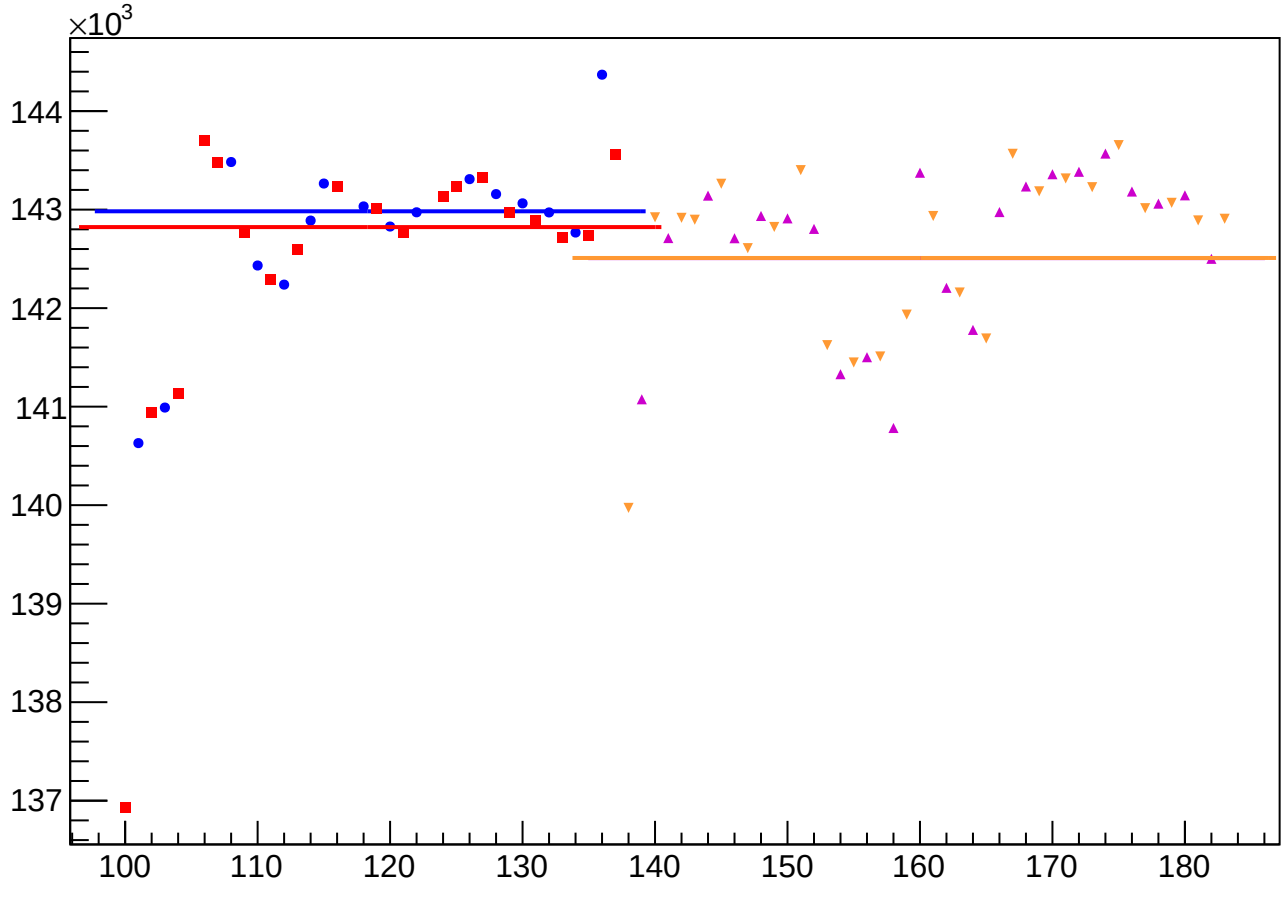
Left: 231.299+/-0.027 χ^2/NDF: 910986.0/45

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 207.222+/-0.030 χ^2/NDF:2425995.6/37

Out: 203.462+/-0.029 χ^2/NDF:3119579.1/42

All: 205.266+/-0.021 χ^2/NDF: 5553576.2/80



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142509.156+/-0.051 χ^2/NDF:337852653.9/23

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: 142508.431+/-0.037 χ^2/NDF: 607124783.5/45

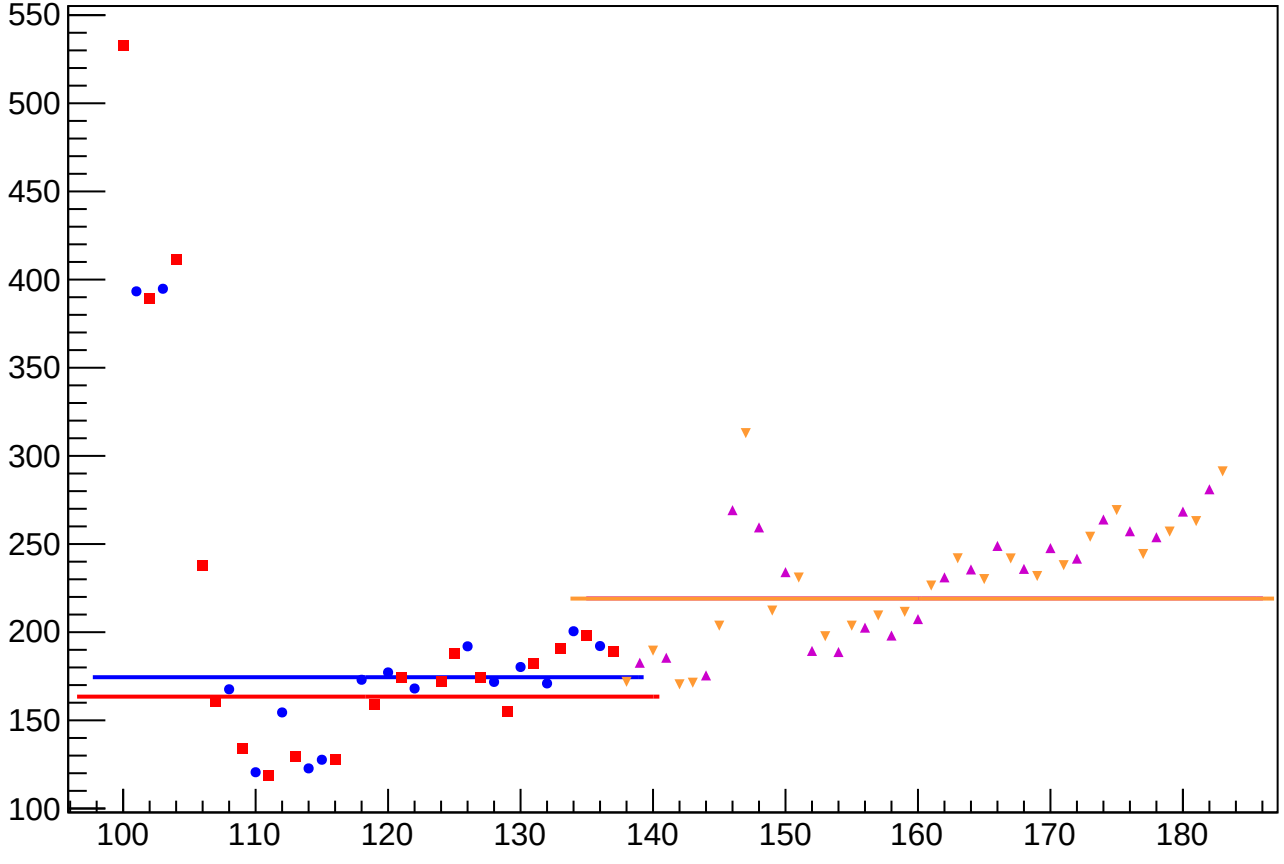
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142682.177+/-0.042 χ^2/NDF:406907168.4/37

Out: 142631.178+/-0.040 χ^2/NDF:416083222.3/42

All: 142655.475+/-0.029 χ^2/NDF: 82376700

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 219.059+/-0.036 χ^2/NDF:872430.9/23

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 219.161+/-0.037 χ^2/NDF:771410.8/21

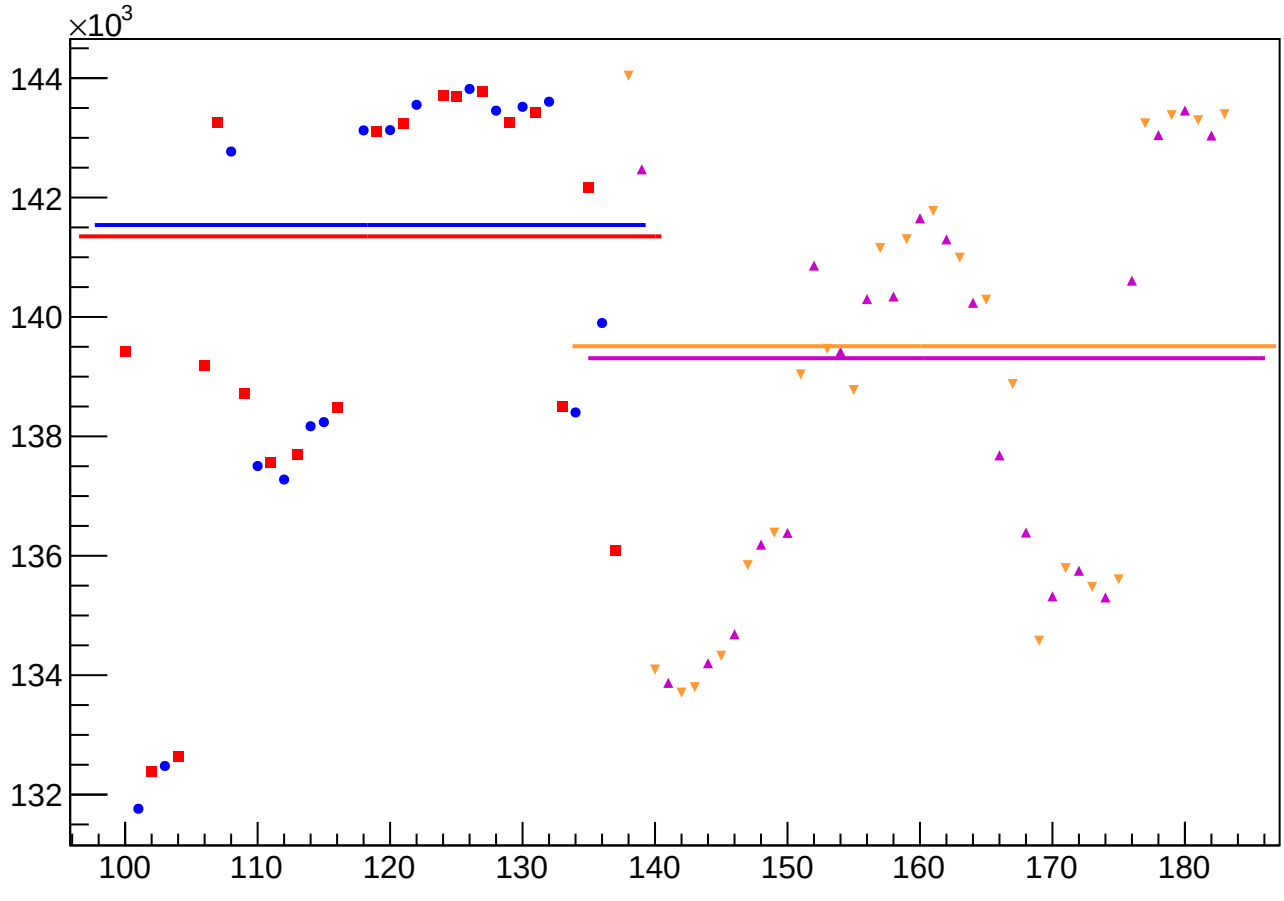
Left: 219.109+/-0.026 χ^2/NDF: 1643845.5/45

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 202.752+/-0.030 χ^2/NDF:2349898.6/37

Out: 197.419+/-0.028 χ^2/NDF:3076426.6/42

All: 199.960+/-0.020 χ^2/NDF: 5443312.1/80



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 139509.916+/-0.071 χ^2/NDF:2542503535.4/23

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 139309.224+/-0.074 χ^2/NDF:1874301368.4/21

Left: 139413.805+/-0.051 χ^2/NDF: 4420676569.5/4

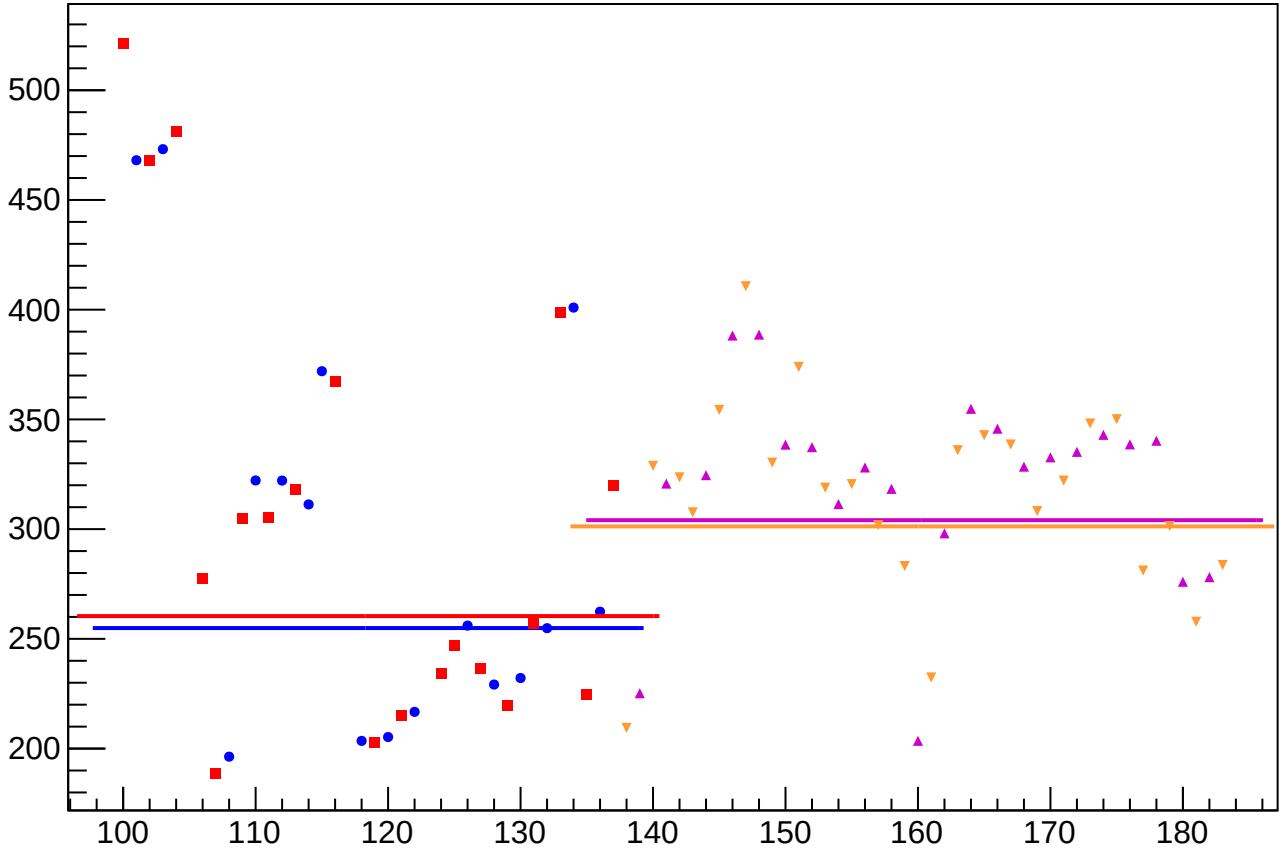
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140085.052+/-0.059 χ^2/NDF:3141219693.9/37

Out: 140113.102+/-0.058 χ^2/NDF:3691887457.3/4

All: 140099.457+/-0.041 χ^2/NDF: 68332144

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 301.248+/-0.050 χ^2/NDF:874830.6/23

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 304.072+/-0.052 χ^2/NDF:972807.3/21

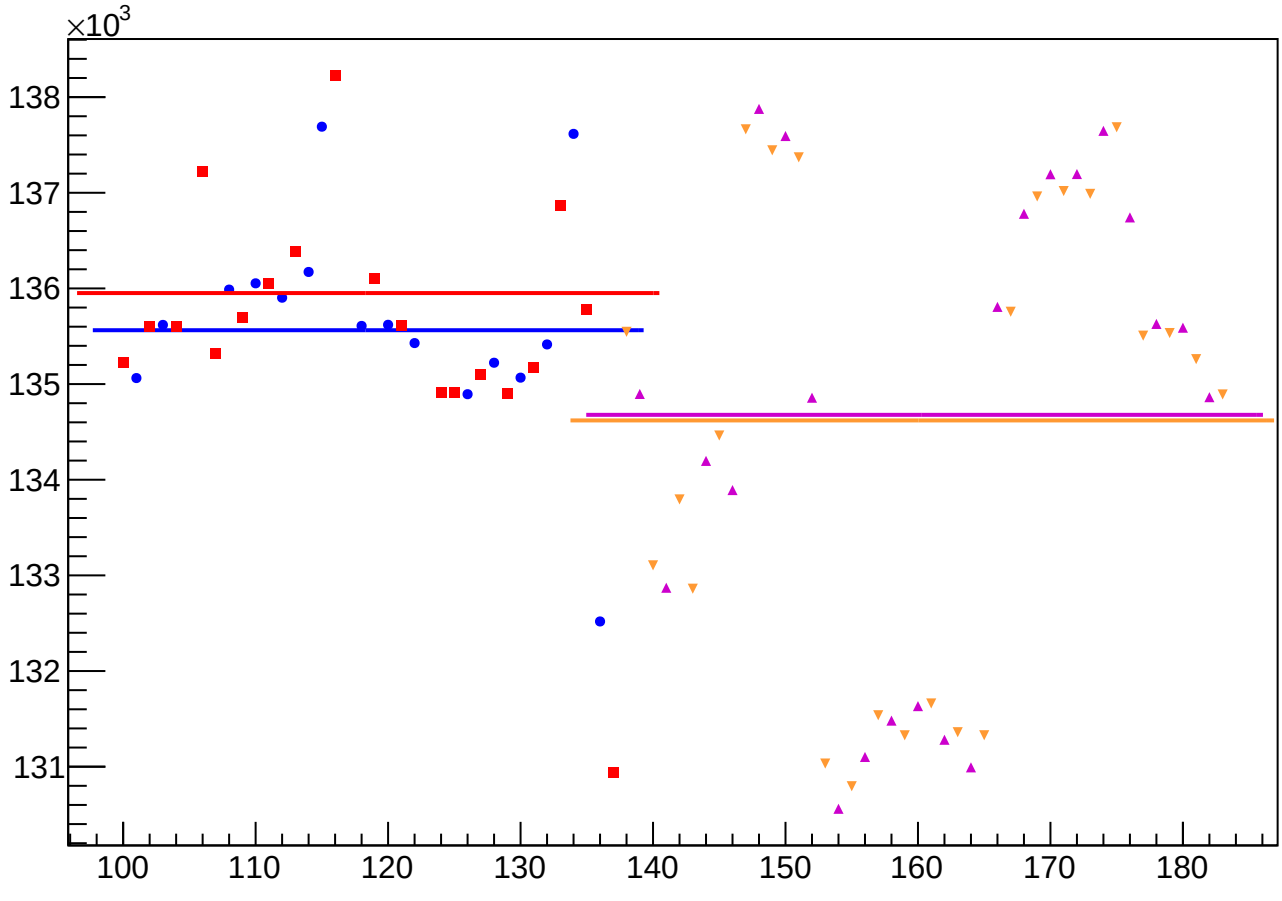
Left: 302.600+/-0.036 χ^2/NDF: 1849170.5/45

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 286.973+/-0.042 χ^2/NDF:2232820.4/37

Out: 287.844+/-0.041 χ^2/NDF:2088105.2/42

All: 287.420+/-0.029 χ^2/NDF: 4321146.1/80



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134620.035+/-0.064 χ^2/NDF:1201451534.3/23

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 134678.413+/-0.067 χ^2/NDF:1096295233.5/21

Left: 134647.777+/-0.046 χ^2/NDF: 2298143282.3/4

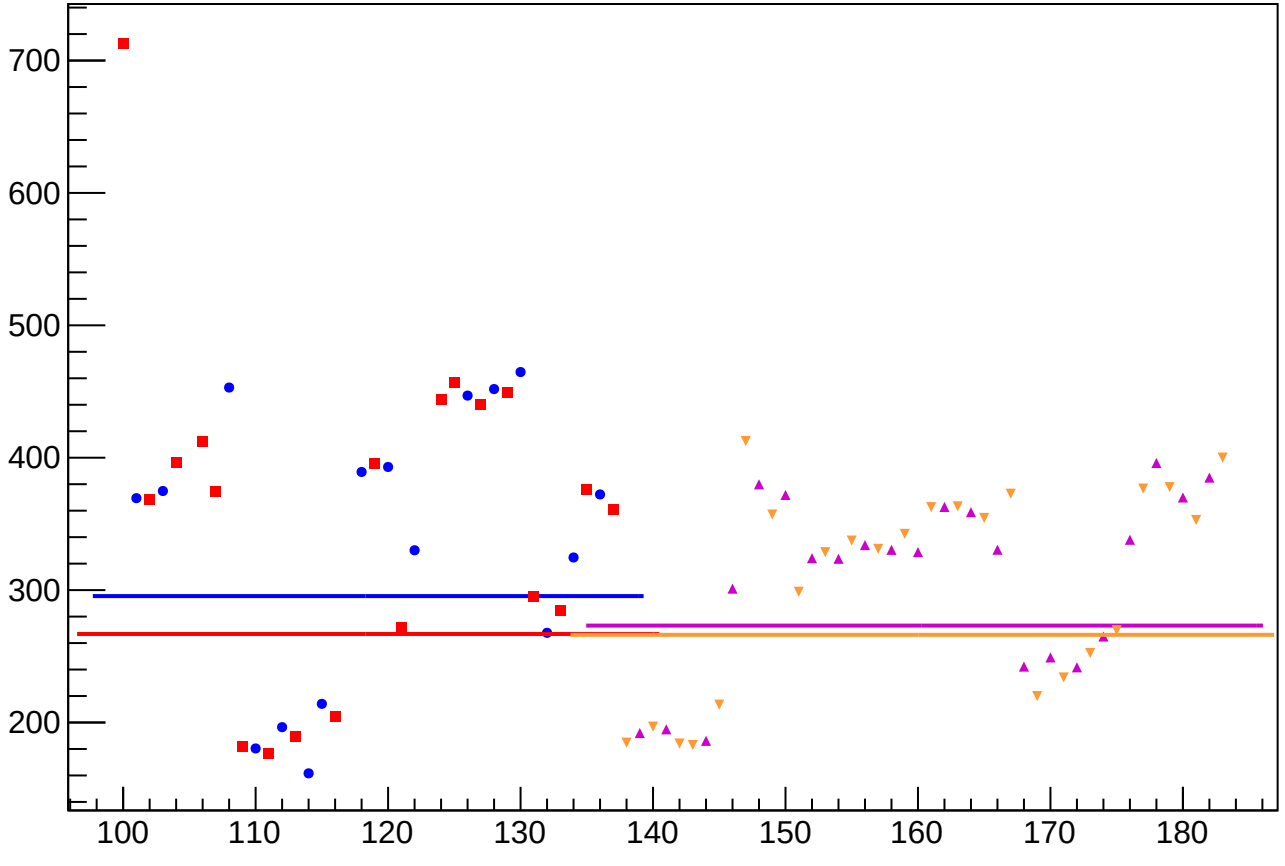
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134893.892+/-0.058 χ^2/NDF:1232725760.9/37

Out: 134973.266+/-0.055 χ^2/NDF:1408176477.7/4

All: 134936.123+/-0.040 χ^2/NDF: 26418846

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 266.221+/-0.045 χ^2/NDF:2781056.8/23

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 273.194+/-0.047 χ^2/NDF:2182197.0/21

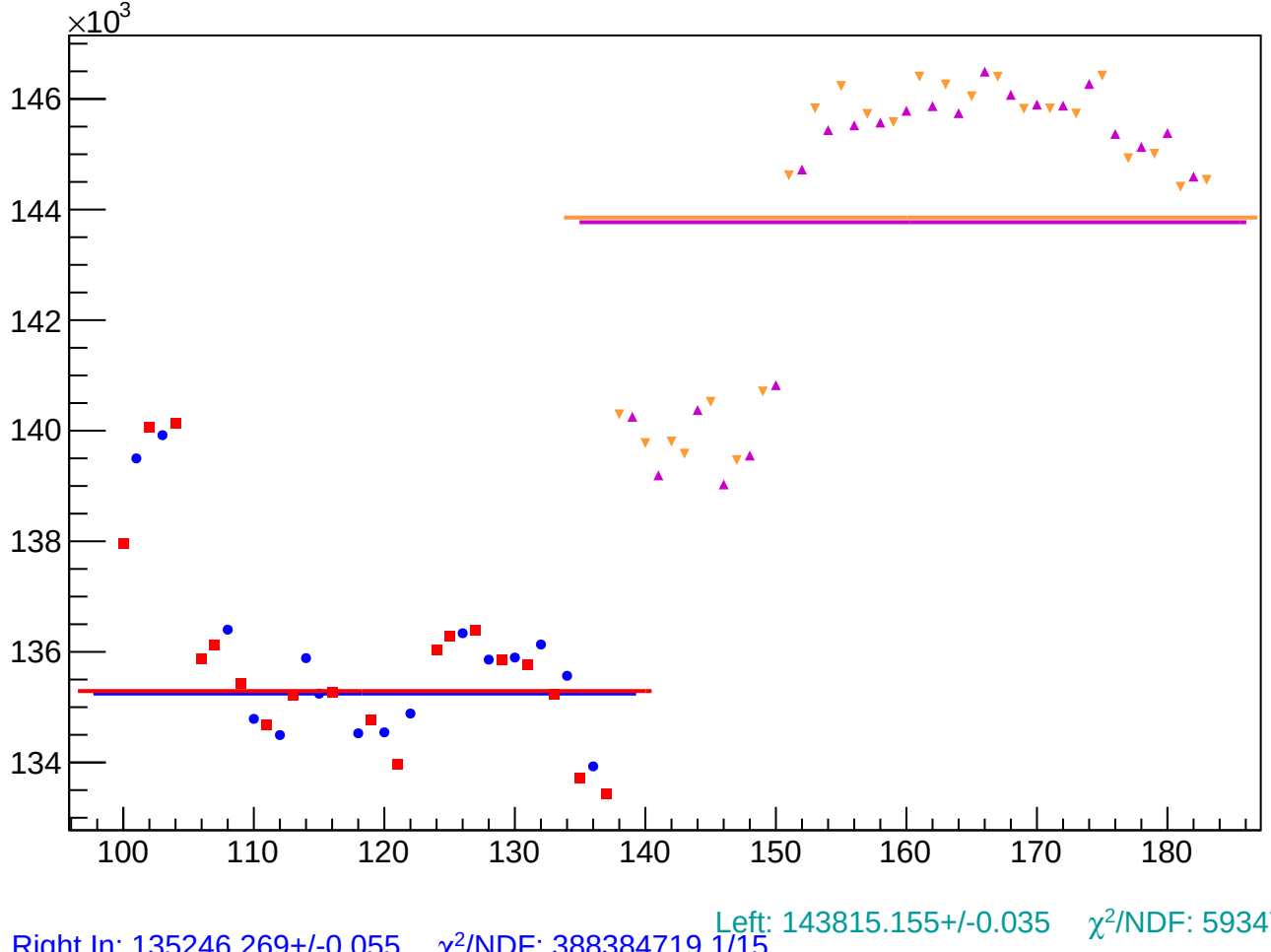
Left: 269.535+/-0.033 χ^2/NDF: 4974565.8/45

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 278.622+/-0.041 χ^2/NDF:3678377.4/37

Out: 266.392+/-0.039 χ^2/NDF:4459184.0/42

All: 272.115+/-0.028 χ^2/NDF: 8184214.7/80



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143855.045+/-0.049 χ^2/NDF:3130160811.7/23

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: 143815.155+/-0.035 χ^2/NDF: 5934714410.0/4

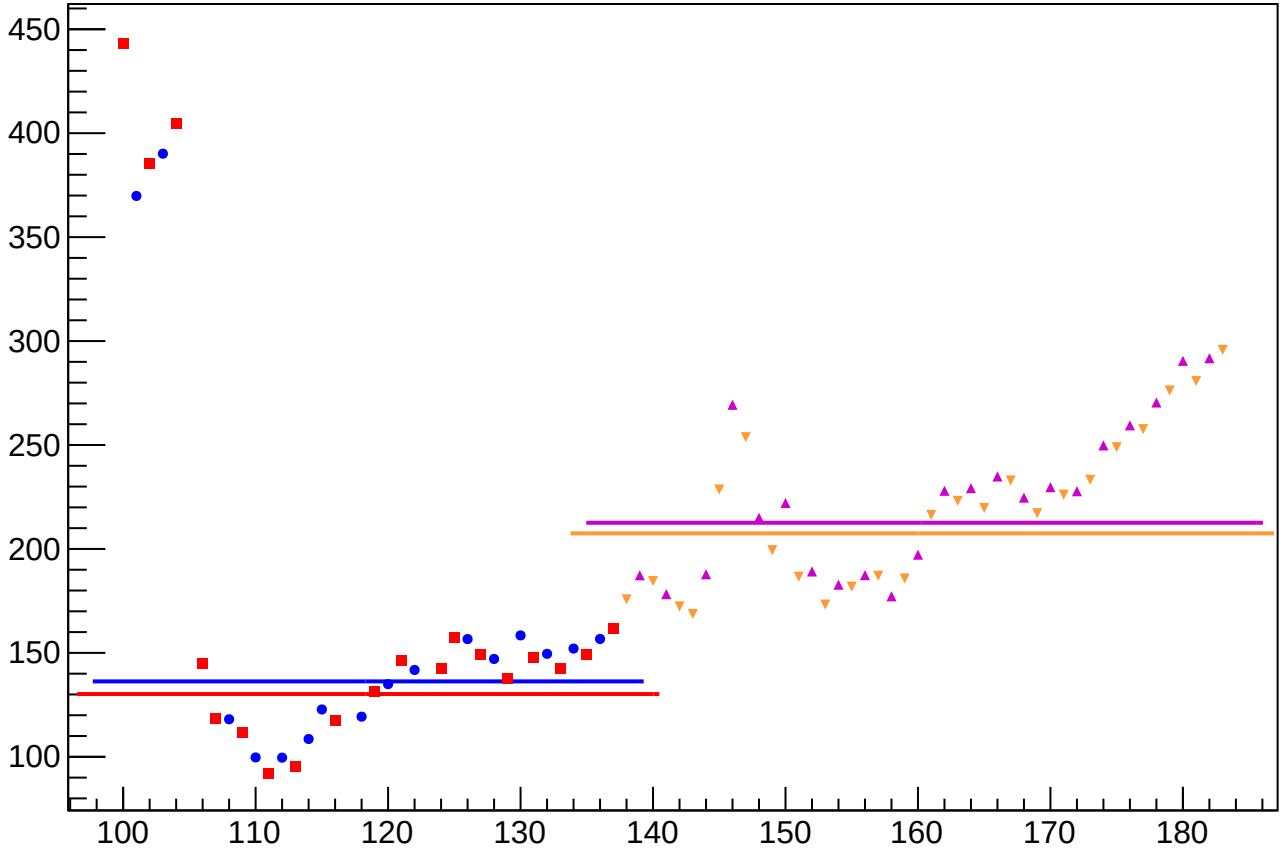
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 139796.811+/-0.037 χ^2/NDF:16145804541.3/3

Out: 139850.269+/-0.035 χ^2/NDF:18087675774.2

All: 139824.988+/-0.026 χ^2/NDF: 34234593

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 207.498+/-0.034 χ^2/NDF:949255.4/23

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 212.594+/-0.036 χ^2/NDF:822112.8/21

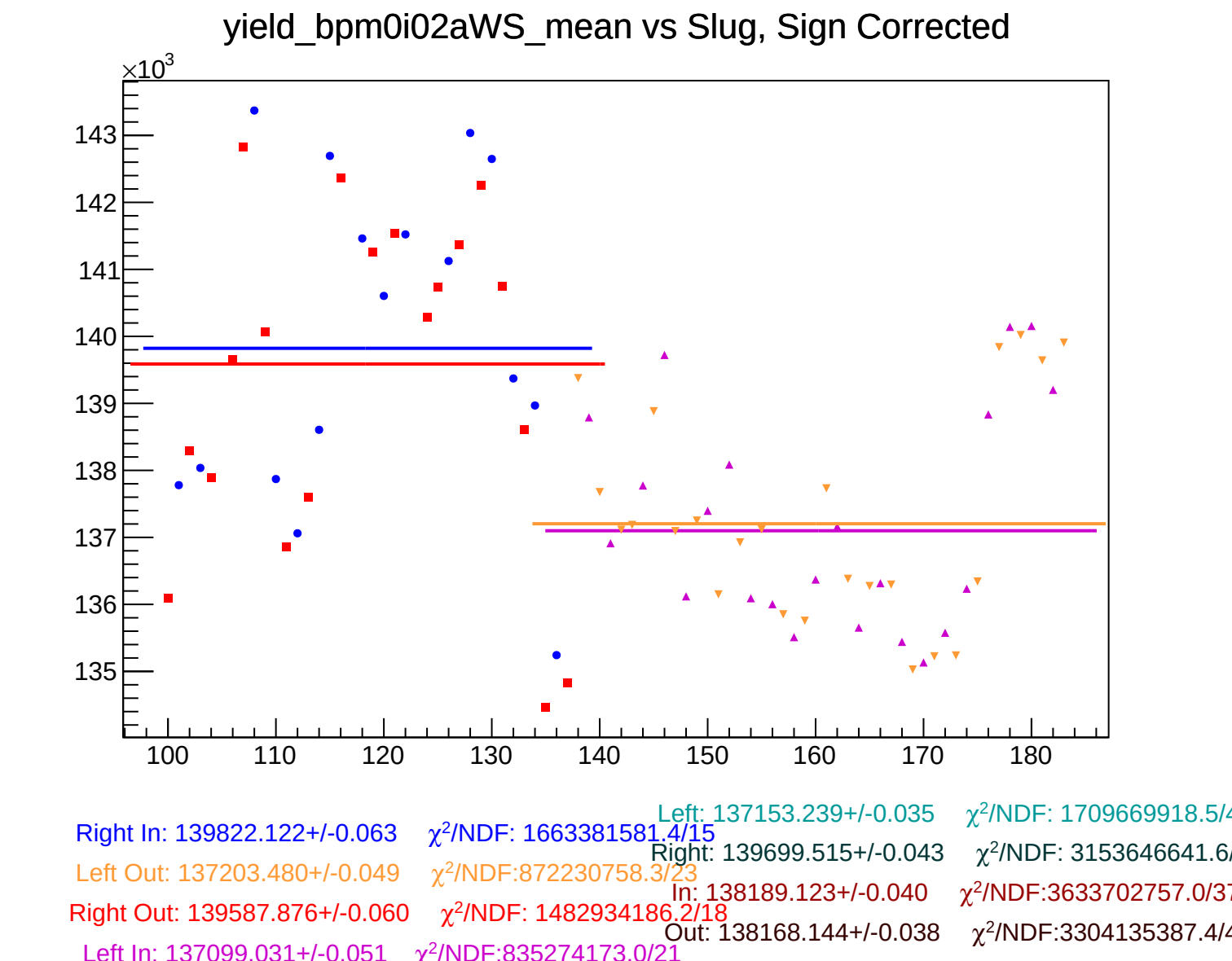
Left: 209.911+/-0.025 χ^2/NDF: 1781823.2/45

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

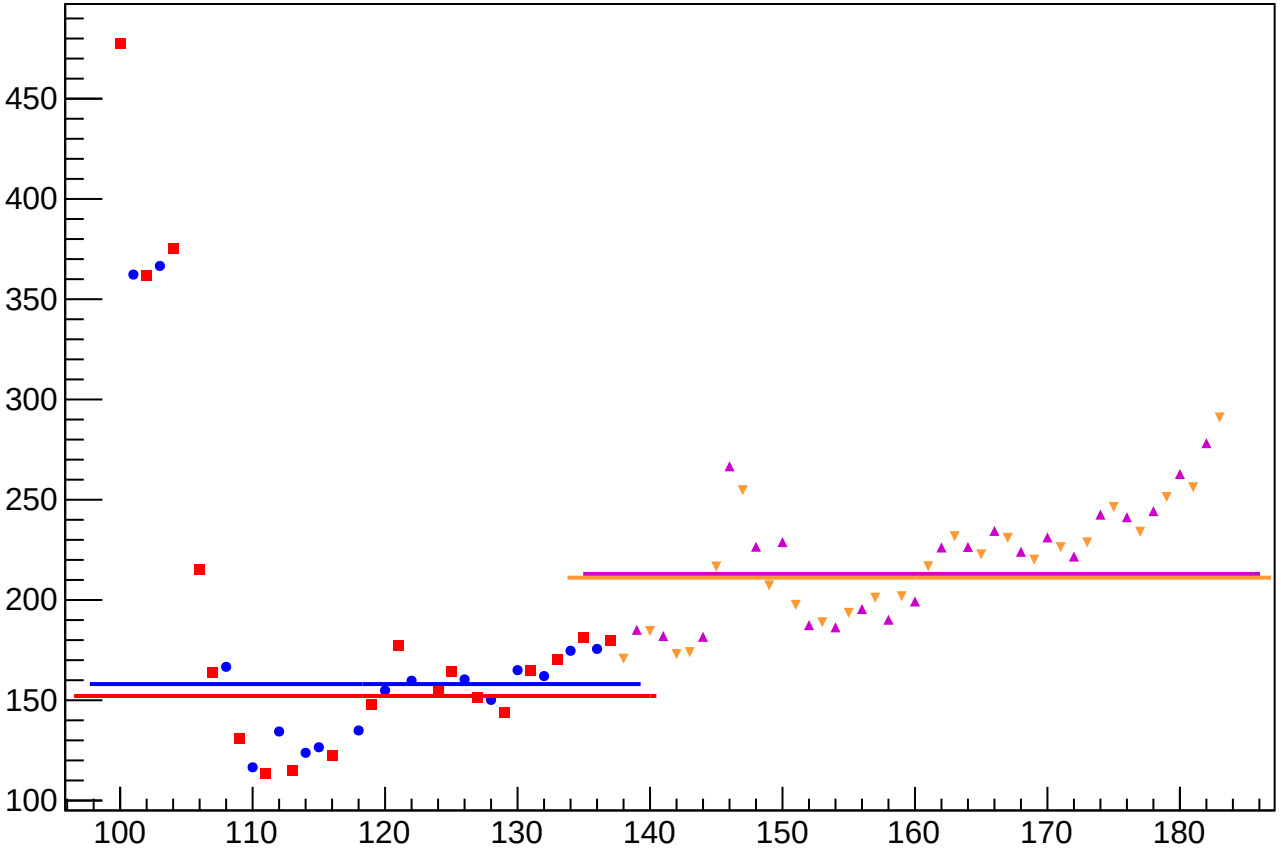
In: 177.020+/-0.026 χ^2/NDF:4282279.9/37

Out: 171.350+/-0.025 χ^2/NDF:4845061.6/42

All: 174.032+/-0.018 χ^2/NDF: 9151614.7/80


yield_bpm0i02aWS_mean vs Slug, Sign Corrected
×10^3
143
142
141
140
139
138
137
136
135
100
110
120
130
140
150
160
170
180
Right In: 139822.122+/-0.063 χ²/NDF: 1663381581.4/15
Left Out: 137203.480+/-0.049 χ²/NDF:872230758.3/23
Right Out: 139587.876+/-0.060 χ²/NDF: 1482934186.2/18
Left In: 137099.031+/-0.051 χ²/NDF:835274173.0/21
Left: 137153.239+/-0.035 χ²/NDF: 1709669918.5/4
Right: 139699.515+/-0.043 χ²/NDF: 3153646641.6/
In: 138189.123+/-0.040 χ²/NDF:3633702757.0/37
Out: 138168.144+/-0.038 χ²/NDF:3304135387.4/4
All: 138178.198+/-0.027 χ²/NDF: 69379842

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 211.138+/-0.035 χ^2/NDF:639146.1/23

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 212.999+/-0.036 χ^2/NDF:586563.2/21

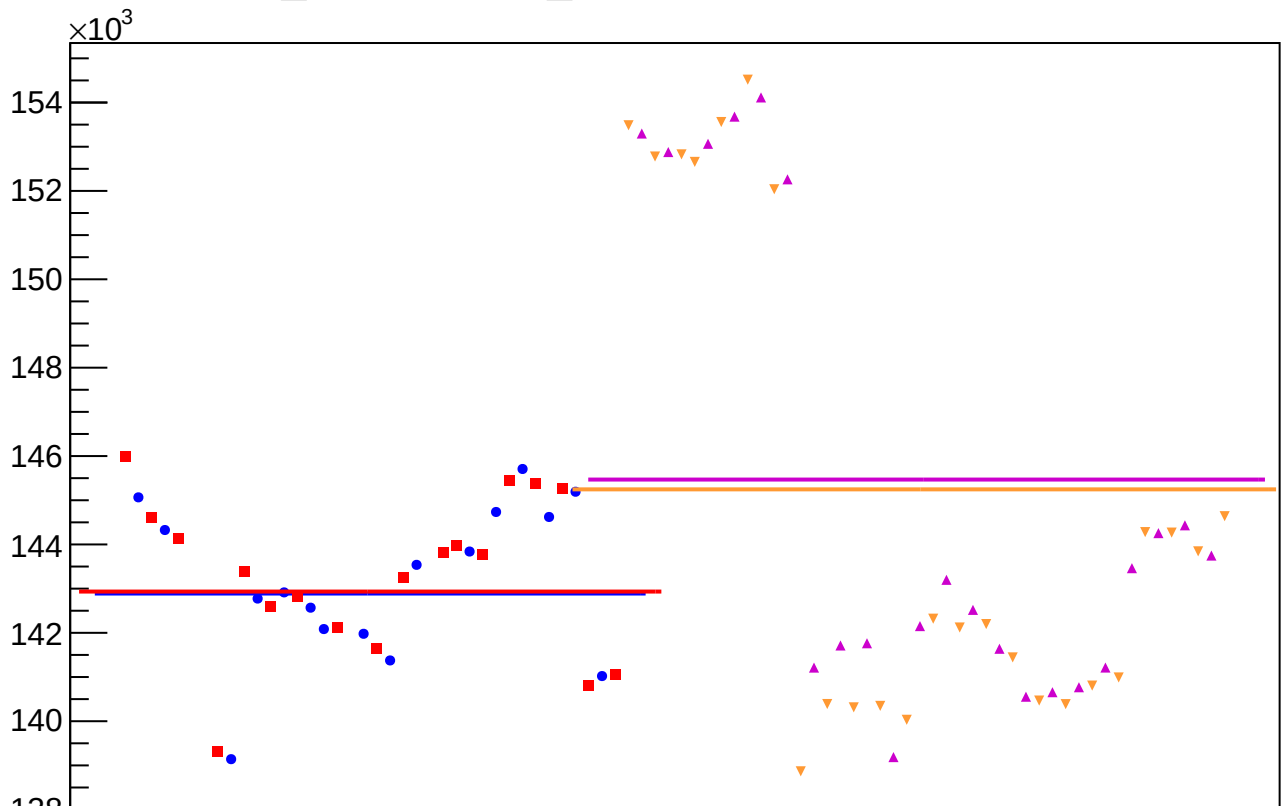
Left: 212.033+/-0.025 χ^2/NDF: 1227083.7/45

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 191.014+/-0.028 χ^2/NDF:2527847.6/37

Out: 187.268+/-0.027 χ^2/NDF:3030213.8/42

All: 189.063+/-0.019 χ^2/NDF: 5567377.0/80



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145246.473+/-0.050 χ^2/NDF:13032098300.3/23

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: 145352.966+/-0.036 χ^2/NDF: 24109304814.6

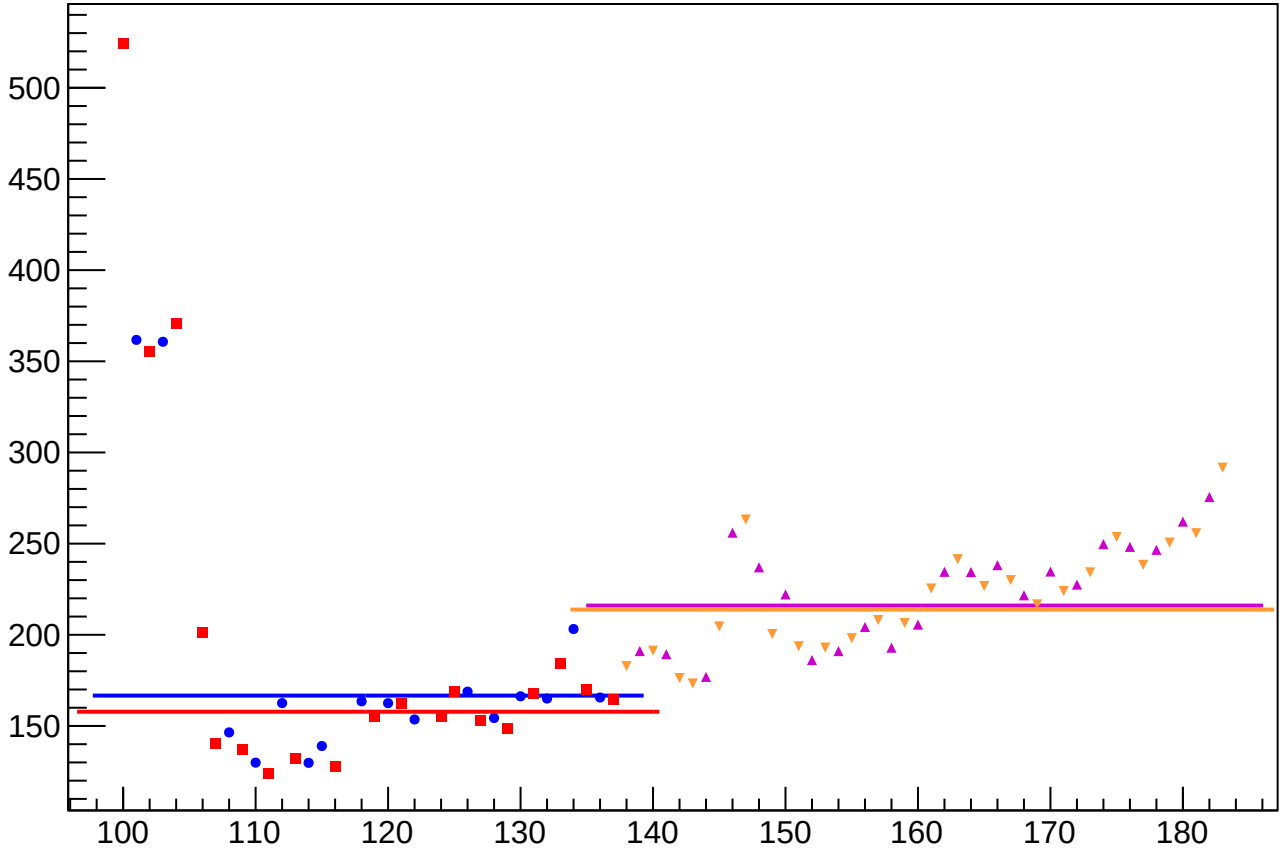
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144478.913+/-0.041 χ^2/NDF:12781075945.5/3

Out: 144331.015+/-0.039 χ^2/NDF:14672709492.7

All: 144401.304+/-0.028 χ^2/NDF: 27460720

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 213.820+/-0.035 χ^2/NDF:609014.9/23

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 216.027+/-0.037 χ^2/NDF:555552.7/21

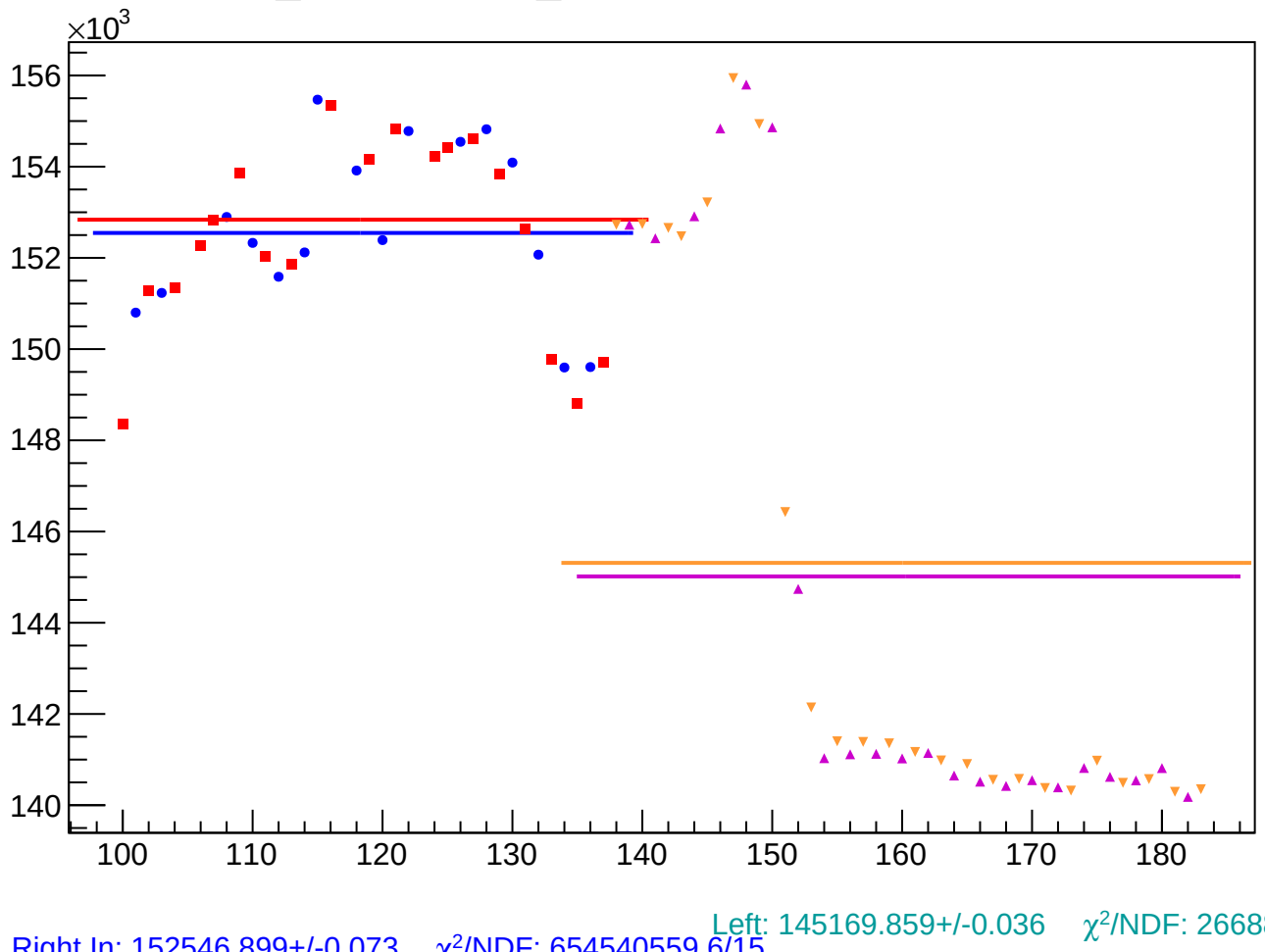
Left: 214.880+/-0.025 χ^2/NDF: 1166454.3/45

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 197.087+/-0.029 χ^2/NDF:2115574.3/37

Out: 191.647+/-0.027 χ^2/NDF:2632360.2/42

All: 194.233+/-0.020 χ^2/NDF: 4766700.2/80



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145312.813+/-0.050 χ^2/NDF:13613112060.9/23

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: 145169.859+/-0.036 χ^2/NDF: 26688267089.4

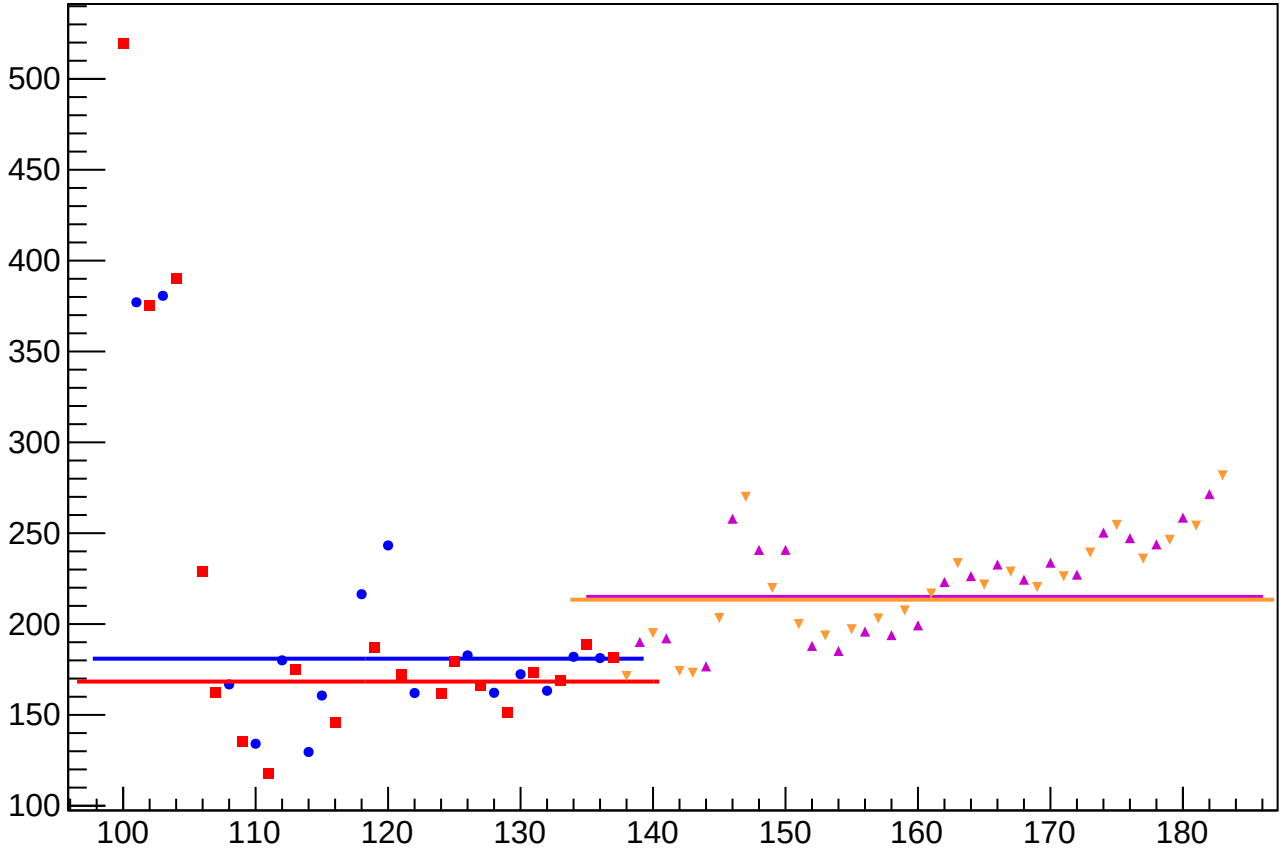
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 147533.113+/-0.042 χ^2/NDF:20873198637.6/3

Out: 147993.538+/-0.040 χ^2/NDF:22553832993.6

All: 147775.676+/-0.029 χ^2/NDF: 43490399

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 213.414+/-0.035 χ^2/NDF:621503.7/23

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 214.941+/-0.036 χ^2/NDF:572468.7/21

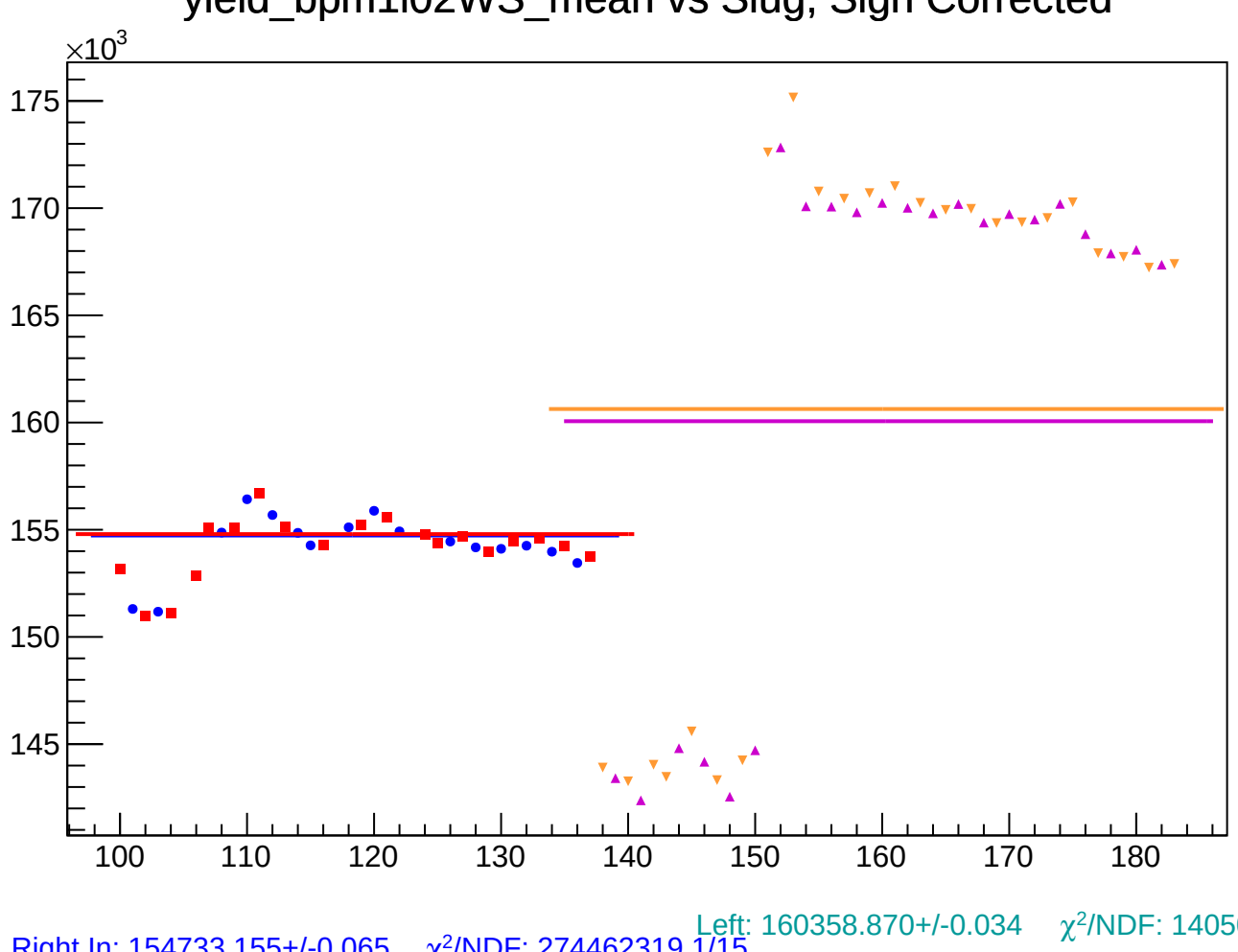
Left: 214.149+/-0.025 χ^2/NDF: 1194885.4/45

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

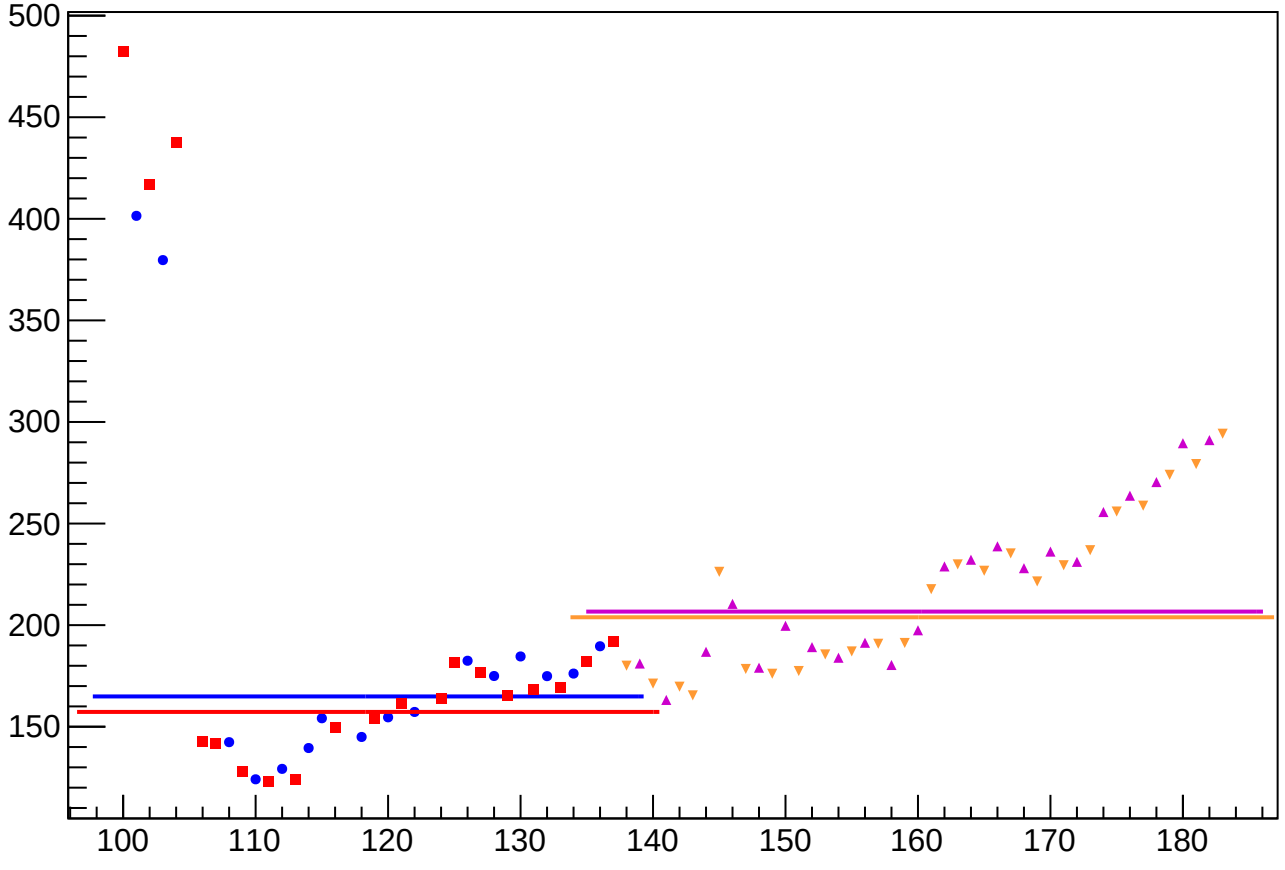
In: 203.576+/-0.030 χ^2/NDF:1772180.1/37

Out: 197.360+/-0.028 χ^2/NDF:2299038.3/42

All: 200.301+/-0.020 χ^2/NDF: 4094315.0/80


yield_bpm1i02WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
145
100
110
120
130
140
150
160
170
180
Right In: 154733.155+/-0.065 χ²/NDF: 274462319.1/15
Left Out: 160631.679+/-0.048 χ²/NDF:74033954974.9/23
Right Out: 154795.893+/-0.061 χ²/NDF: 304125082.4/18
Left In: 160062.096+/-0.050 χ²/NDF:66398236149.2/21
Left: 160358.870+/-0.034 χ²/NDF: 140500907034.
Right: 154766.574+/-0.045 χ²/NDF: 579080682.1/3
In: 158108.565+/-0.039 χ²/NDF:70904608904.9/3
Out: 158428.680+/-0.038 χ²/NDF:80023403238.7
All: 158276.744+/-0.027 χ²/NDF: 150962563

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 203.873+/-0.034 χ^2/NDF:1025774.1/23

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: 205.212+/-0.024 χ^2/NDF: 1936181.8/45

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

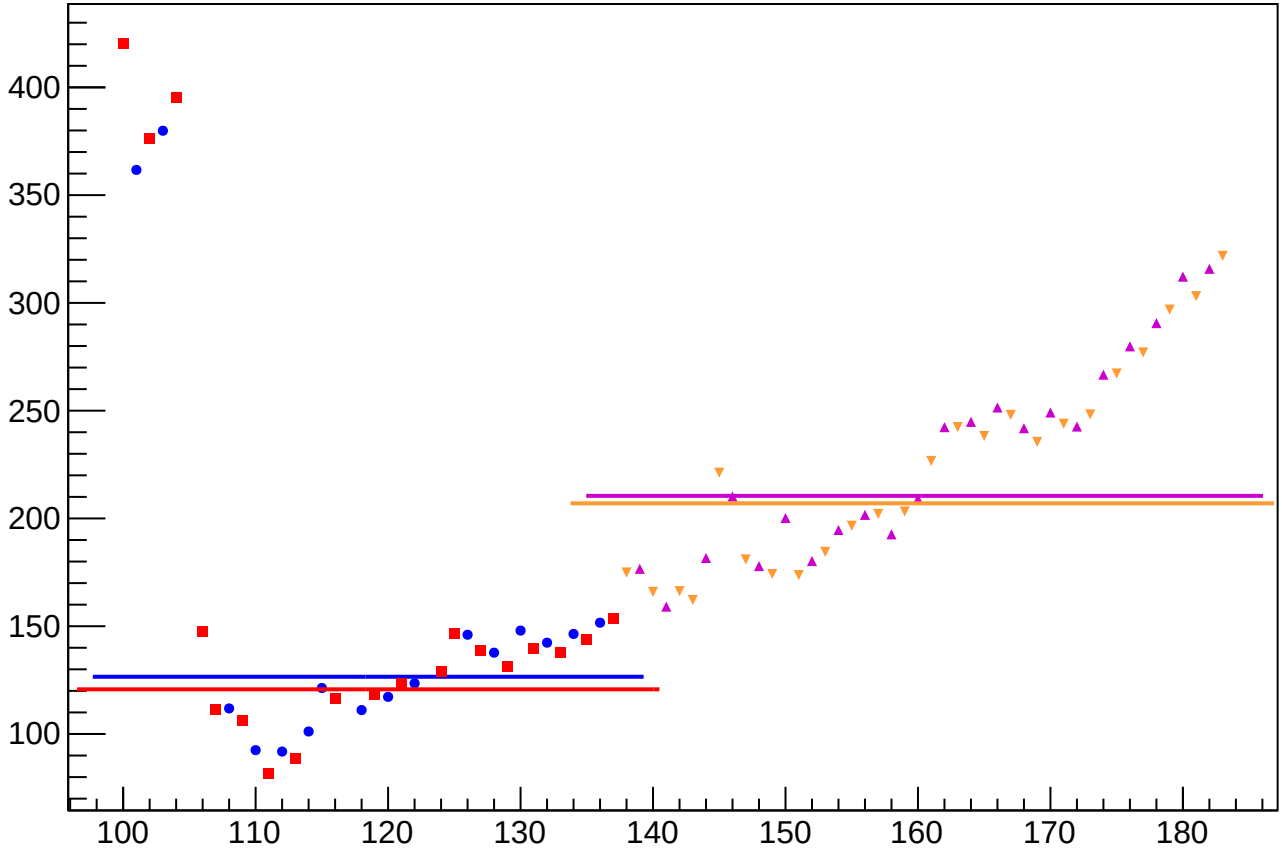
In: 191.359+/-0.028 χ^2/NDF:2499636.4/37

Out: 186.285+/-0.027 χ^2/NDF:3005317.0/42

All: 188.693+/-0.019 χ^2/NDF: 5522312.6/80

yield_bpm1i04WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
145
140
135
130
100
110
120
130
140
150
160
170
180
Right In: 134276.096+/-0.051 χ²/NDF: 1142867100.2/15
Left Out: 160775.532+/-0.049 χ²/NDF:98792086652.4/23
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 160562.477+/-0.051 χ²/NDF:89691454295.4/21
Left: 160673.752+/-0.035 χ²/NDF: 188492732094.
Right: 134233.345+/-0.035 χ²/NDF: 2349742421.8/
In: 147429.009+/-0.036 χ²/NDF:224676300790.3
Out: 147320.646+/-0.034 χ²/NDF:251582312579.
All: 147372.056+/-0.025 χ²/NDF: 476263395

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 207.017+/-0.034 χ^2/NDF:1435645.1/23

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 210.476+/-0.036 χ^2/NDF:1239674.6/21

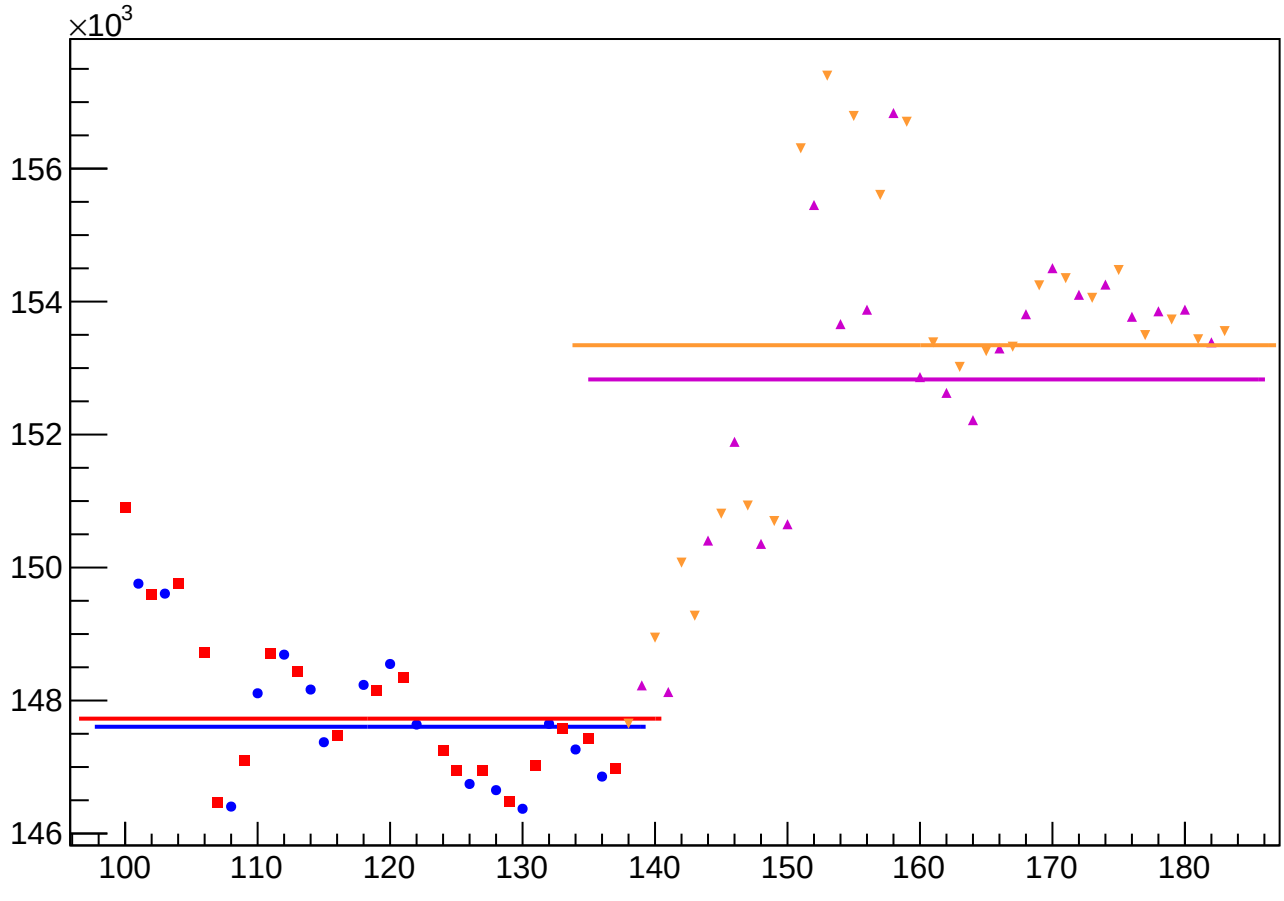
Left: 208.669+/-0.025 χ^2/NDF: 2680165.2/45

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 168.544+/-0.025 χ^2/NDF:5445722.0/37

Out: 163.335+/-0.024 χ^2/NDF:6263763.4/42

All: 165.807+/-0.017 χ^2/NDF: 11731587.0/80



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153343.798+/-0.051 χ^2/NDF:2978577882.6/23

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: 153096.581+/-0.037 χ^2/NDF: 4941707220.2/4

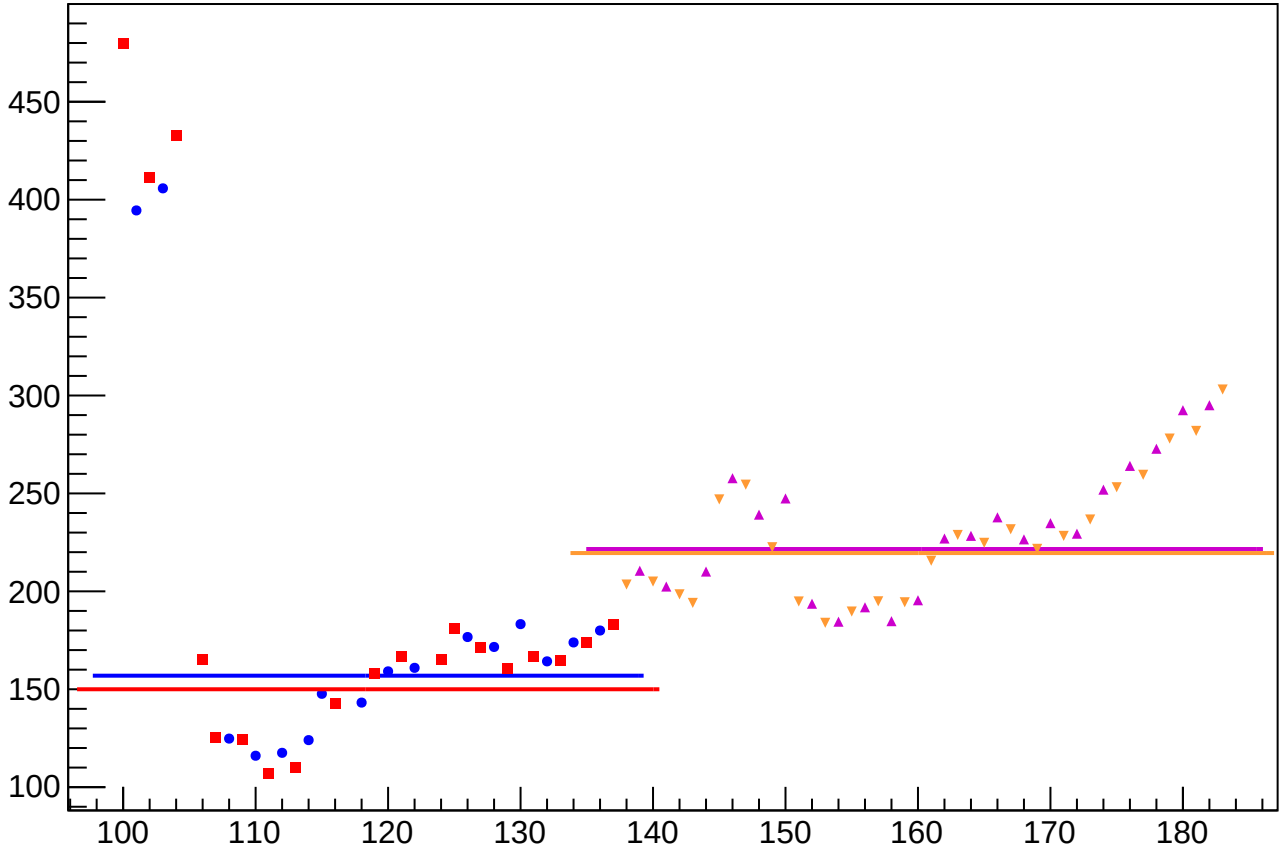
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 150641.496+/-0.040 χ^2/NDF:6177722952.6/37

Out: 150939.576+/-0.039 χ^2/NDF:8367445979.7/4

All: 150797.595+/-0.028 χ^2/NDF: 14573634

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 219.549+/-0.036 χ^2/NDF:646800.3/23

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 221.614+/-0.037 χ^2/NDF:658884.8/21

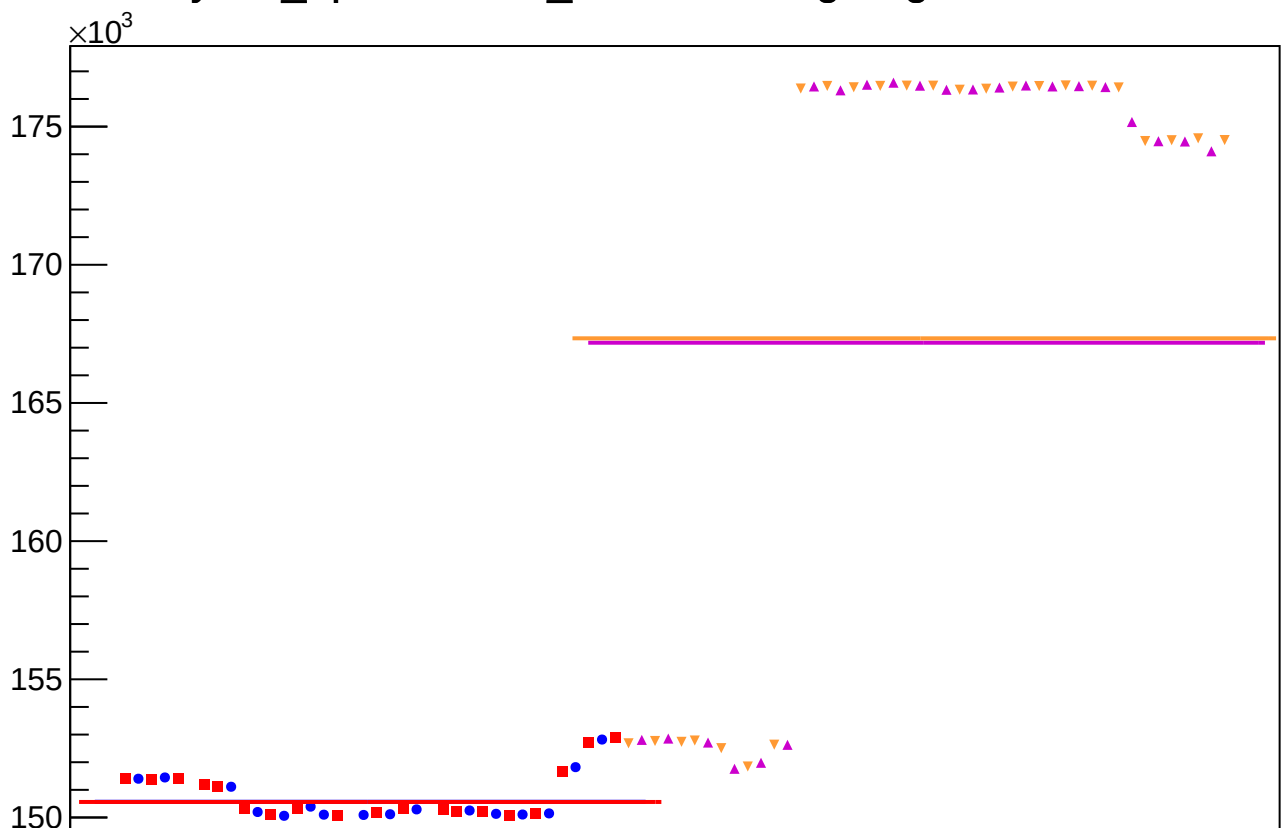
Left: 220.541+/-0.026 χ^2/NDF: 1307259.9/45

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 194.523+/-0.029 χ^2/NDF:3170830.8/37

Out: 189.774+/-0.027 χ^2/NDF:3694081.9/42

All: 192.036+/-0.020 χ^2/NDF: 6879364.0/80



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167339.202+/-0.047 χ^2/NDF:59449479543.7/23

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: 167263.140+/-0.034 χ^2/NDF: 114393470187.

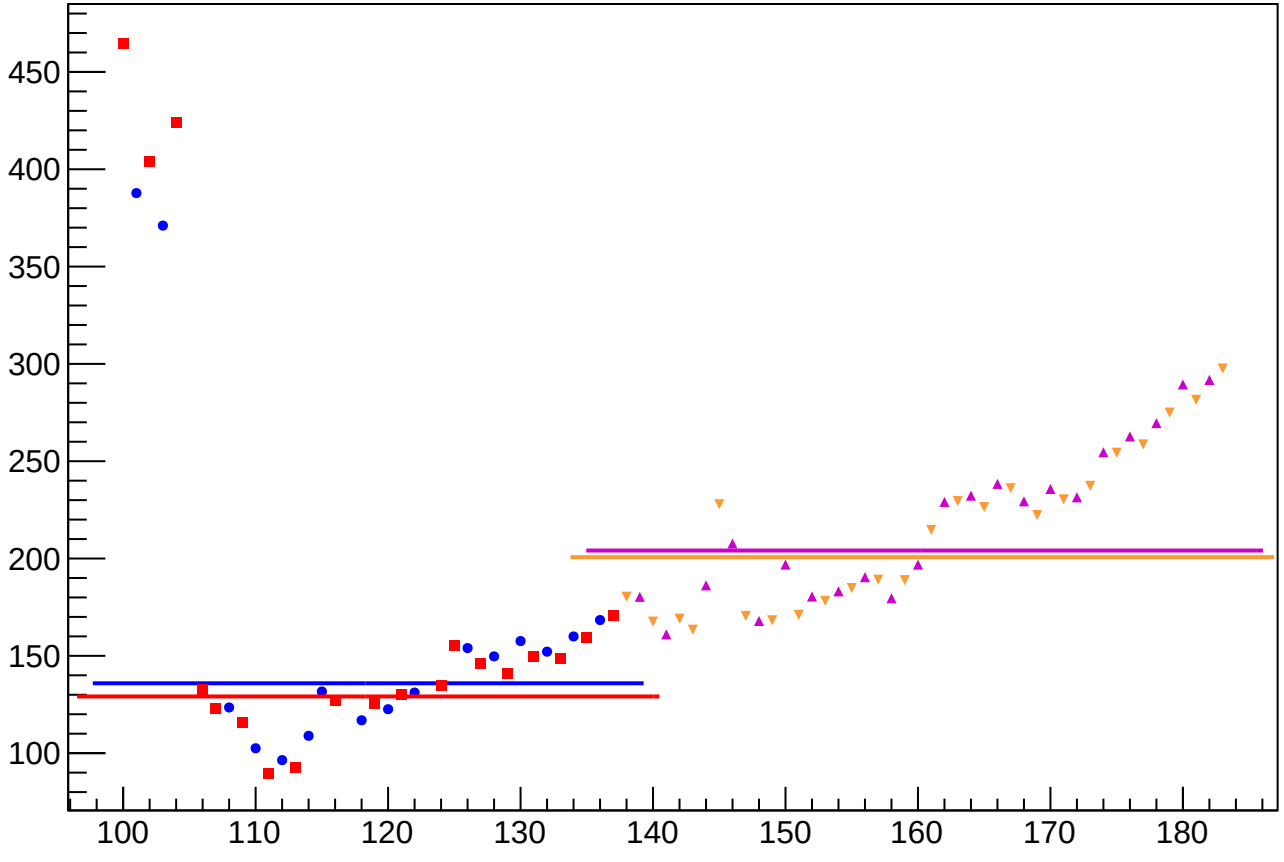
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159761.419+/-0.036 χ^2/NDF:106378506308.2

Out: 159652.077+/-0.035 χ^2/NDF:118325909096.

All: 159703.692+/-0.025 χ^2/NDF: 224709154

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 200.708+/-0.033 χ^2/NDF:1175639.8/23

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 204.109+/-0.035 χ^2/NDF:997162.7/21

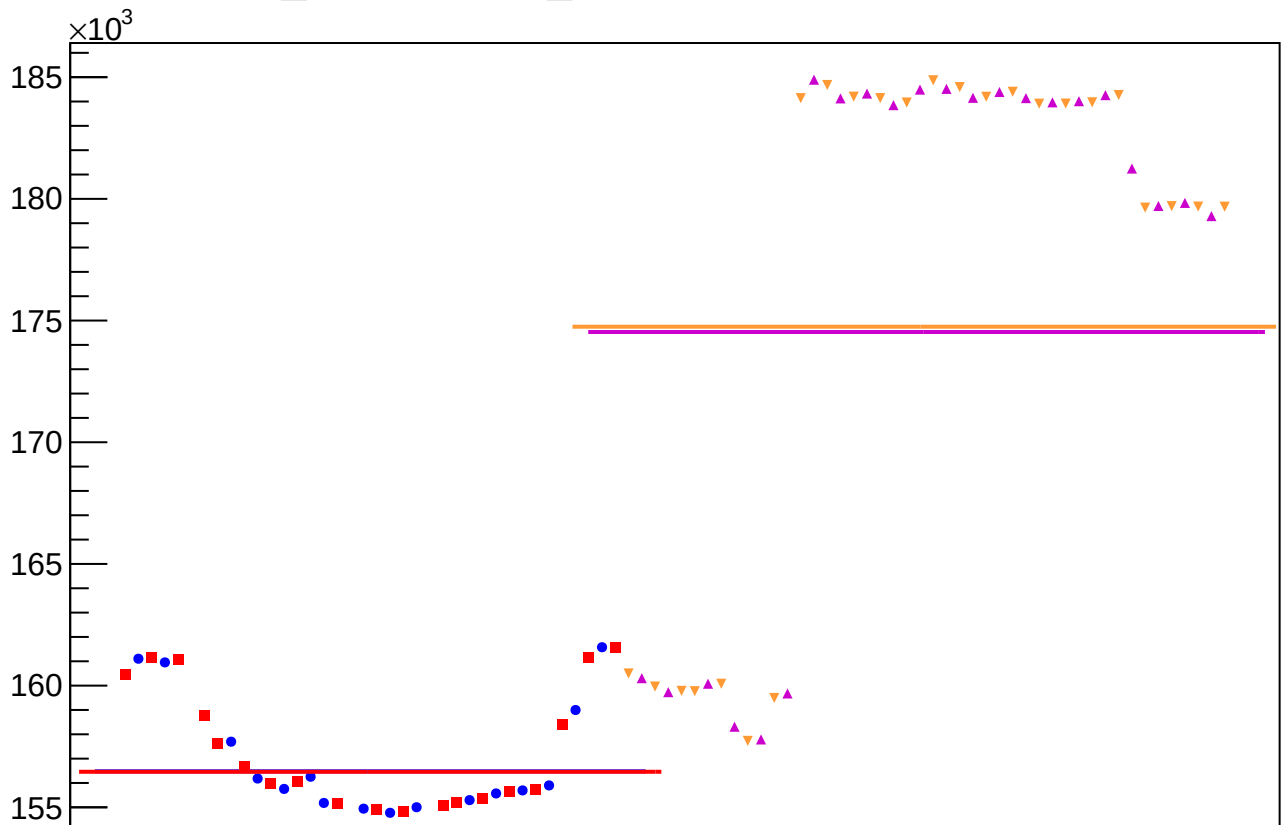
Left: 202.331+/-0.024 χ^2/NDF: 2177824.5/45

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 173.645+/-0.026 χ^2/NDF:4140321.6/37

Out: 167.913+/-0.024 χ^2/NDF:4925998.3/42

All: 170.619+/-0.018 χ^2/NDF: 9092373.2/80



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 174747.219+/-0.048 χ^2/NDF:58061358551.5/23

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: 174643.292+/-0.035 χ^2/NDF: 112749898412.

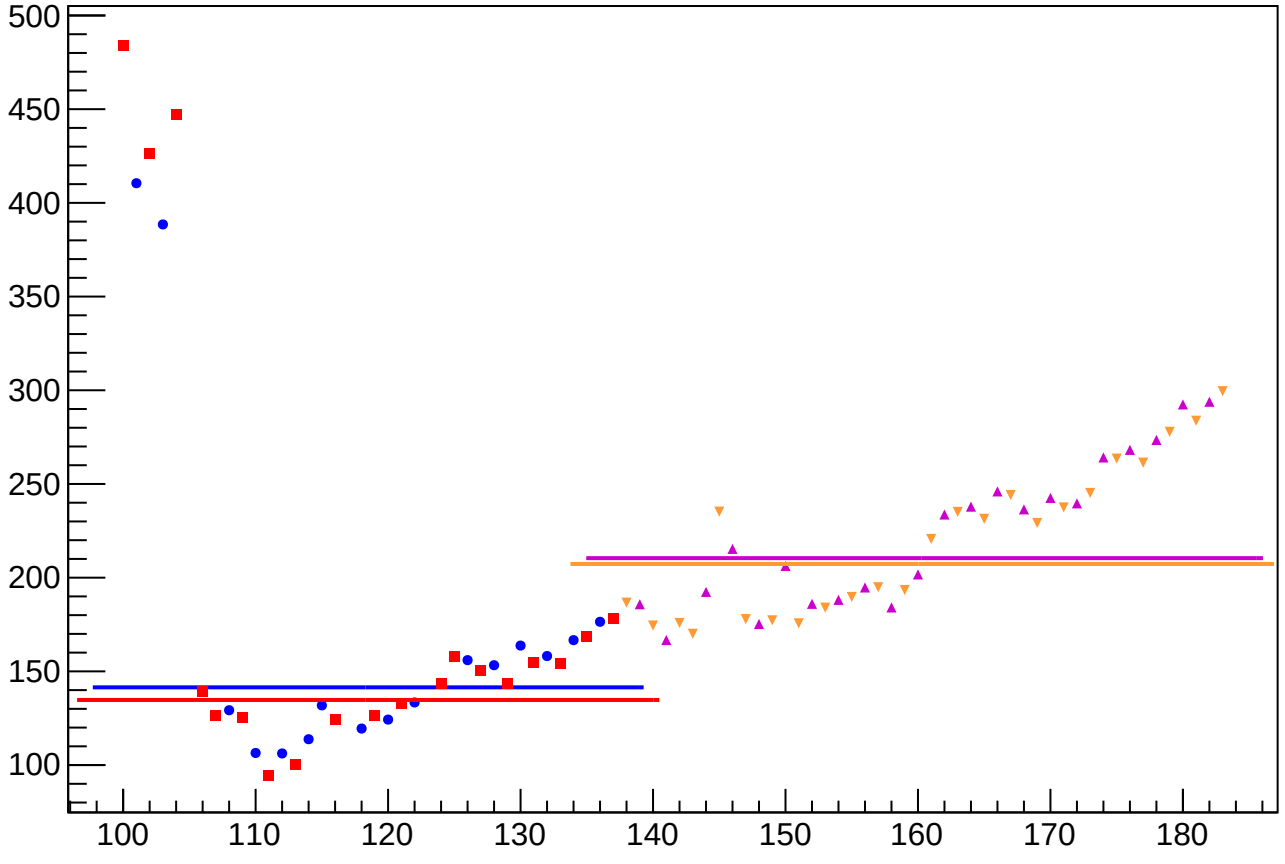
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6

In: 166555.819+/-0.038 χ^2/NDF:112326252827.2

Out: 166459.347+/-0.036 χ^2/NDF:123945163463.

All: 166504.967+/-0.026 χ^2/NDF: 23627485

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 207.320+/-0.034 χ^2/NDF:1082977.5/23

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: 208.801+/-0.025 χ^2/NDF: 2030603.9/45

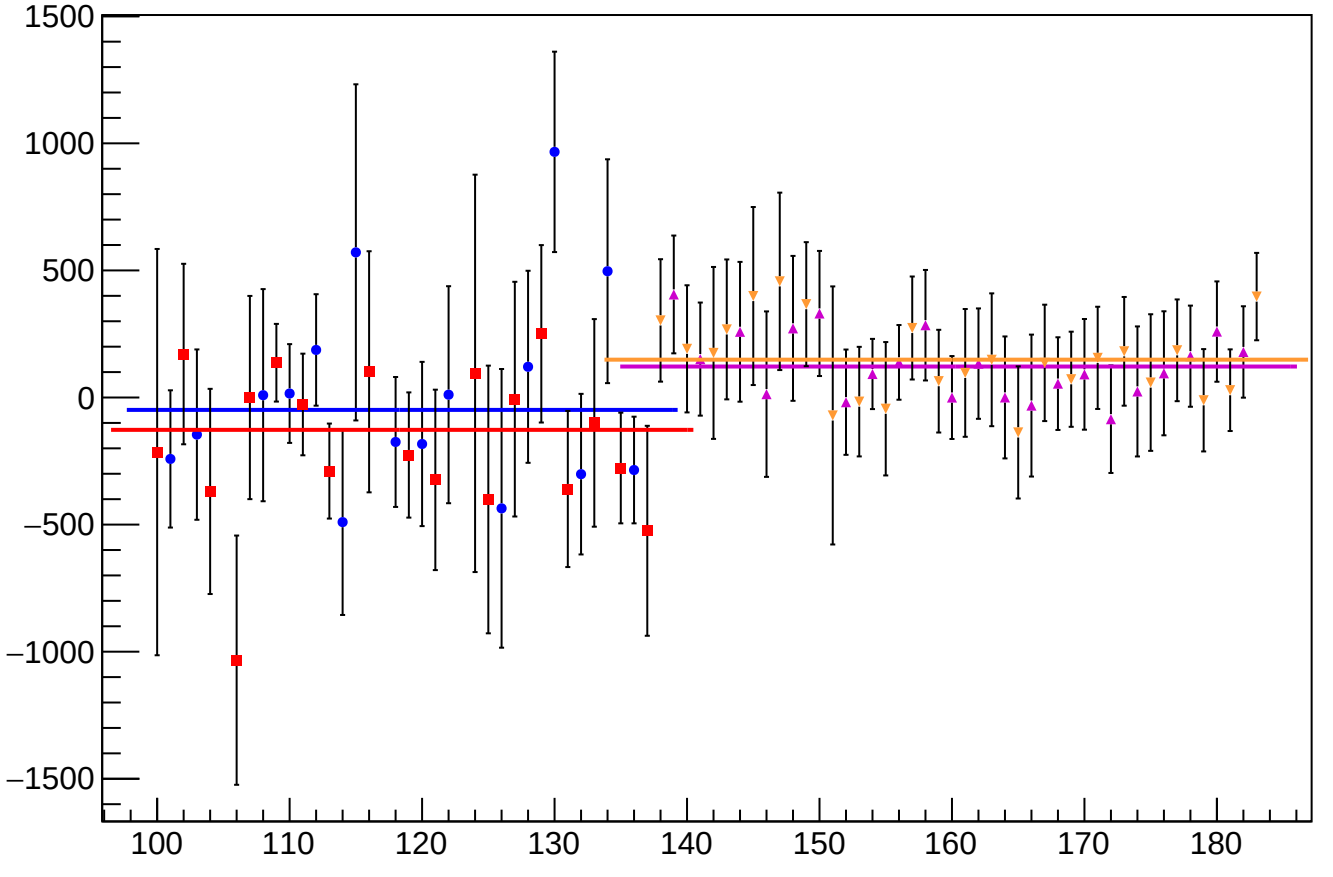
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 179.961+/-0.027 χ^2/NDF:3980018.9/37

Out: 174.428+/-0.025 χ^2/NDF:4702733.4/42

All: 177.044+/-0.018 χ^2/NDF: 8705392.7/80

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 148.894+/-47.000 χ^2/NDF:9.5/23

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: 134.587+/-32.230 χ^2/NDF: 16.6/45

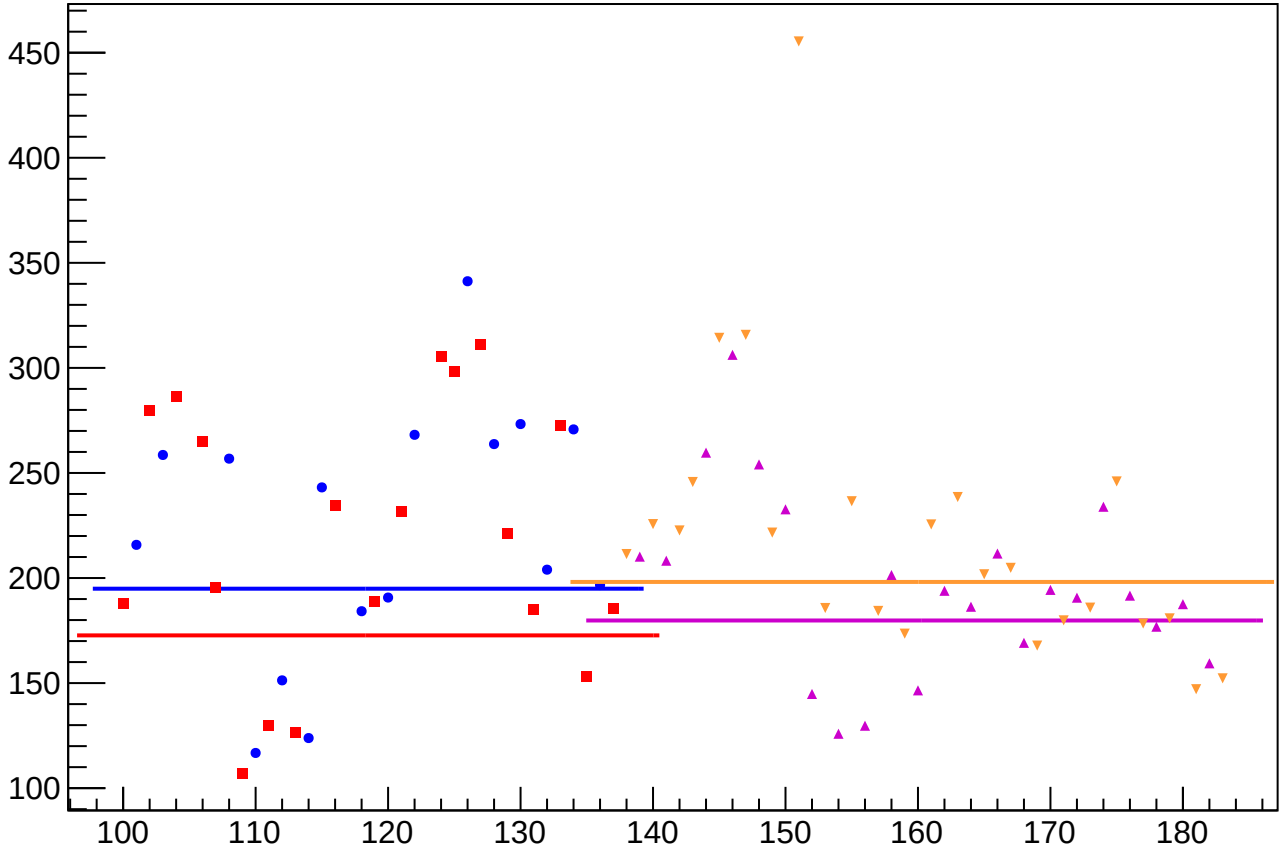
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 79.139+/-38.336 χ^2/NDF:26.1/37

Out: 60.515+/-38.756 χ^2/NDF:33.4/42

All: 69.928+/-27.255 χ^2/NDF: 59.6/80

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 198.139+/-0.033 χ^2/NDF:1759362.8/23

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: 188.421+/-0.023 χ^2/NDF: 3563796.4/45

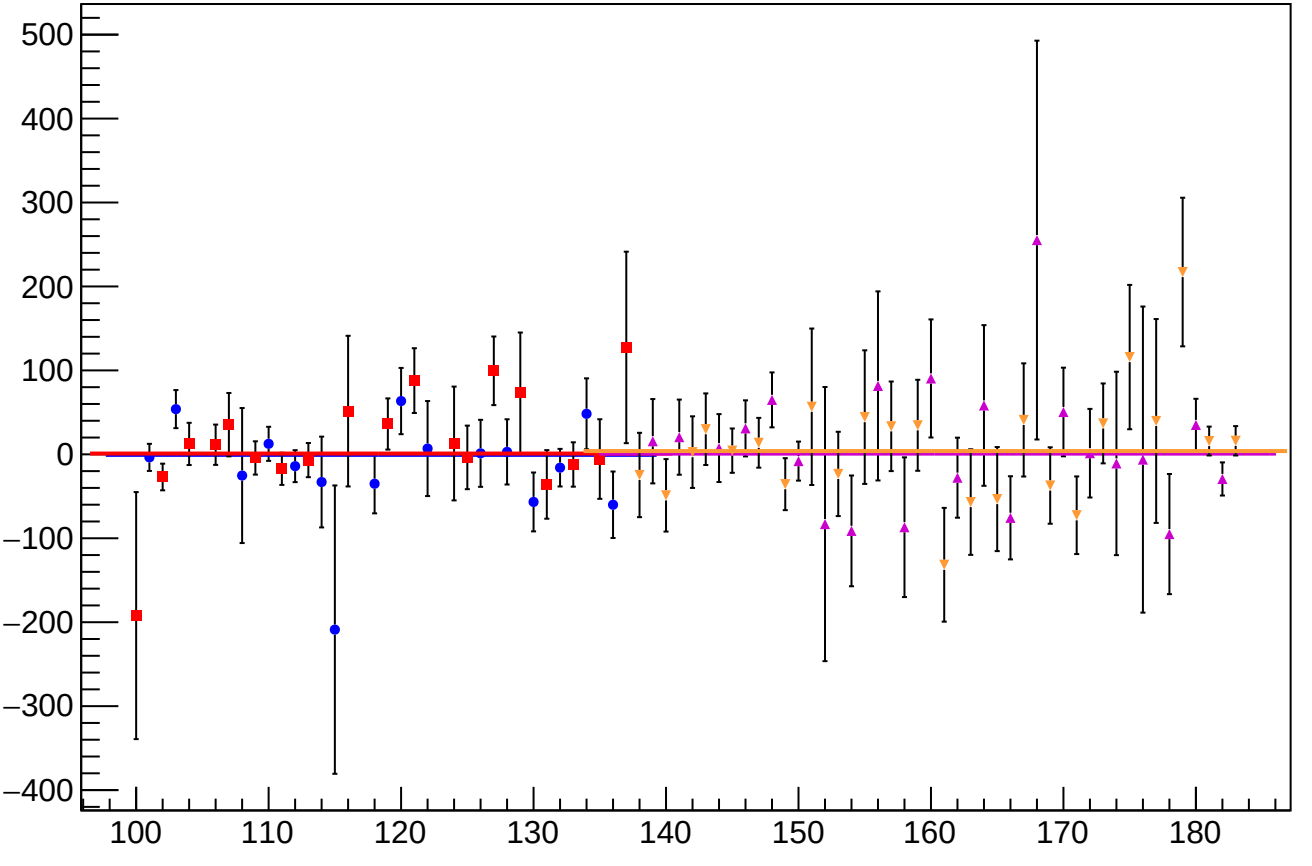
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.584+/-0.027 χ^2/NDF:2730392.7/37

Out: 189.999+/-0.027 χ^2/NDF:3578182.2/42

All: 186.756+/-0.019 χ^2/NDF: 6336271.9/80

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: 3.896+/-7.824 χ^2/NDF:24.1/23

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 0.860+/-9.335 χ^2/NDF:21.0/21

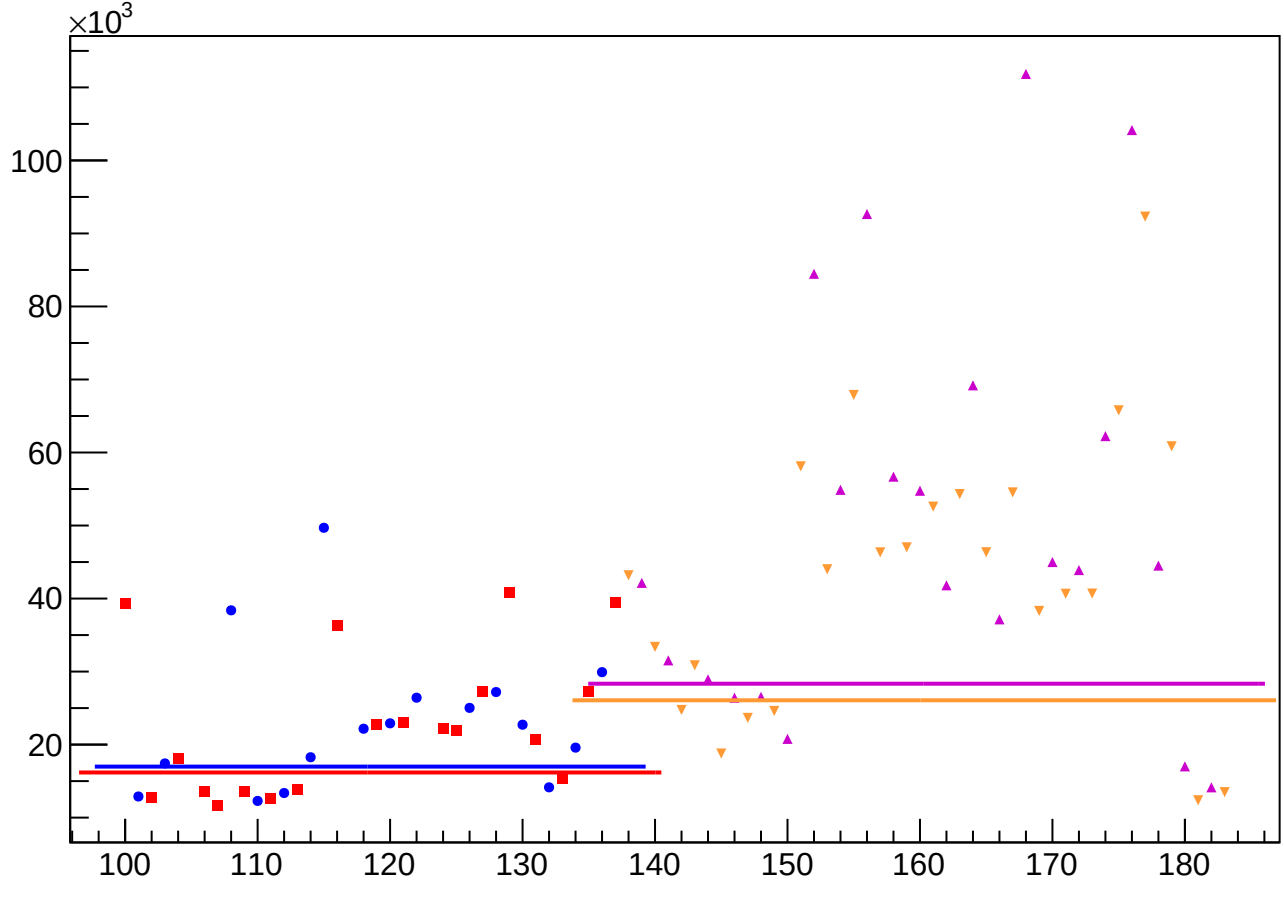
Left: 2.643+/-5.996 χ^2/NDF: 45.2/45

Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: -0.057+/-5.770 χ^2/NDF:39.9/37

Out: 2.204+/-5.118 χ^2/NDF:47.2/42

All: 1.208+/-3.829 χ^2/NDF: 87.2/80



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 26067.116+/-5.532 χ^2/NDF:7563654.8/23

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 28337.659+/-6.601 χ^2/NDF:5257427.8/21

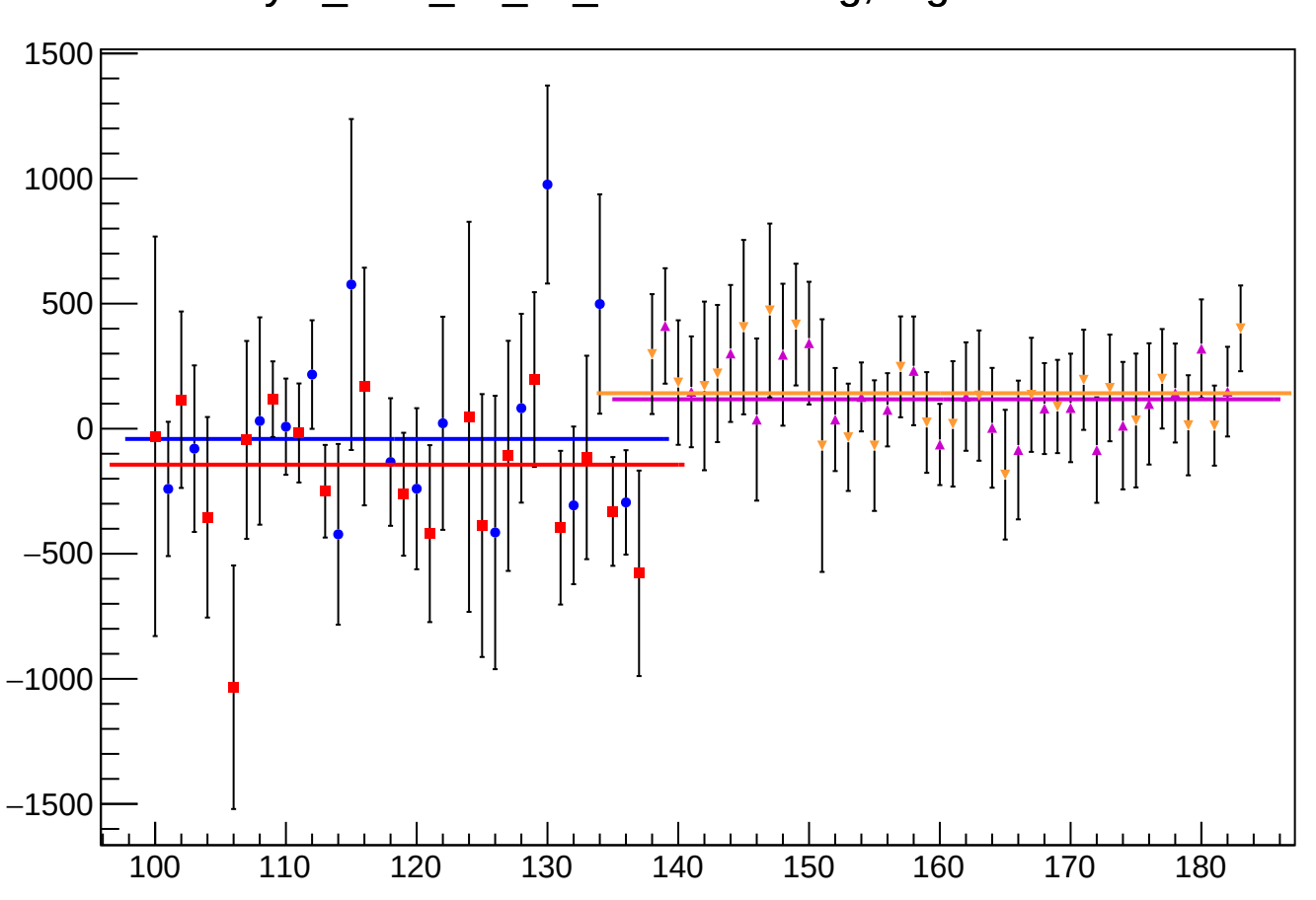
Left: 27003.999+/-4.240 χ^2/NDF: 12890586.0/45

Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 21323.518+/-4.080 χ^2/NDF:8278991.3/37

Out: 20412.282+/-3.619 χ^2/NDF:10641552.4/42

All: 20813.541+/-2.707 χ^2/NDF: 18948459.8



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 141.706+/-46.803 χ^2/NDF:11.0/23

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: 128.868+/-32.105 χ^2/NDF: 19.3/45

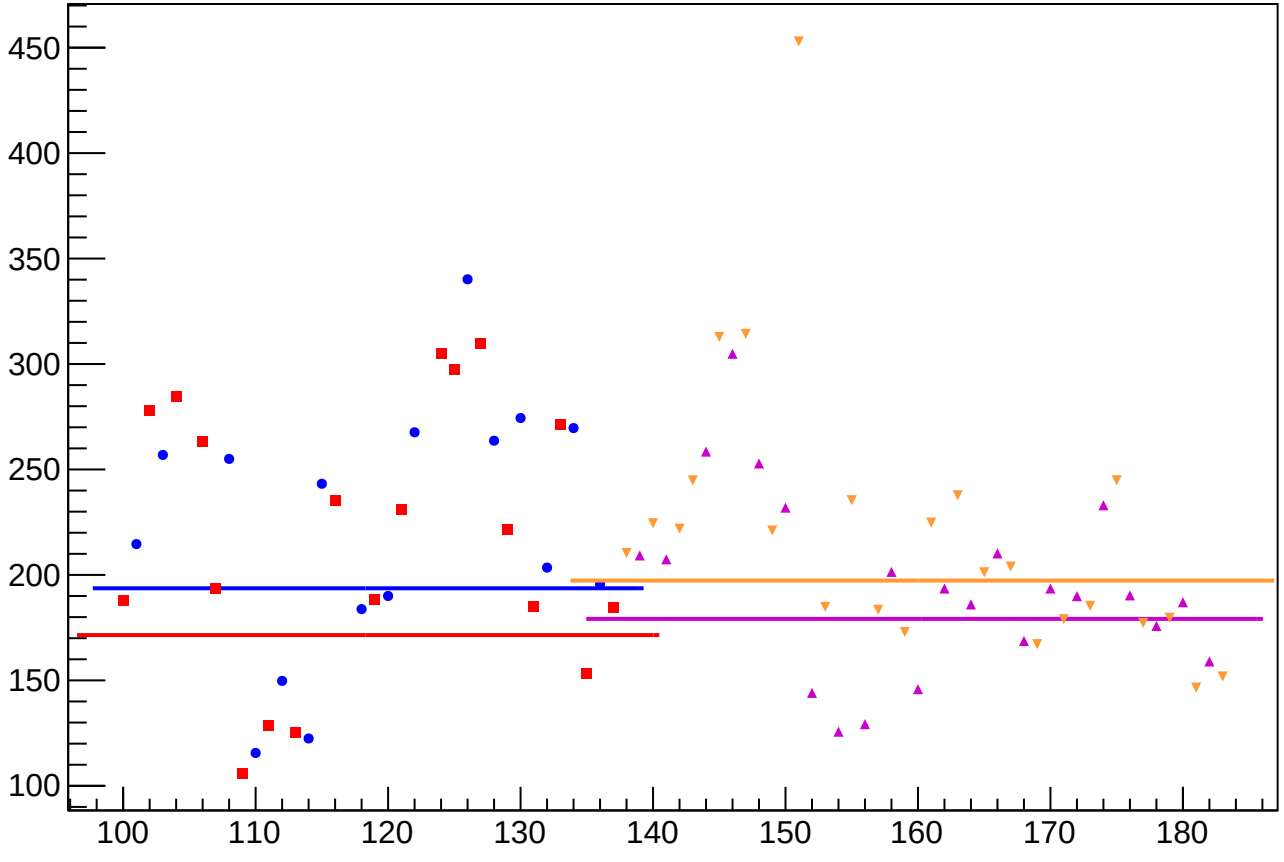
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 77.627+/-38.177 χ^2/NDF:26.9/37

Out: 50.070+/-38.568 χ^2/NDF:35.9/42

All: 63.989+/-27.132 χ^2/NDF: 63.1/80

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 197.321+/-0.033 χ^2/NDF:1757153.8/23

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: 187.702+/-0.023 χ^2/NDF: 3555684.2/45

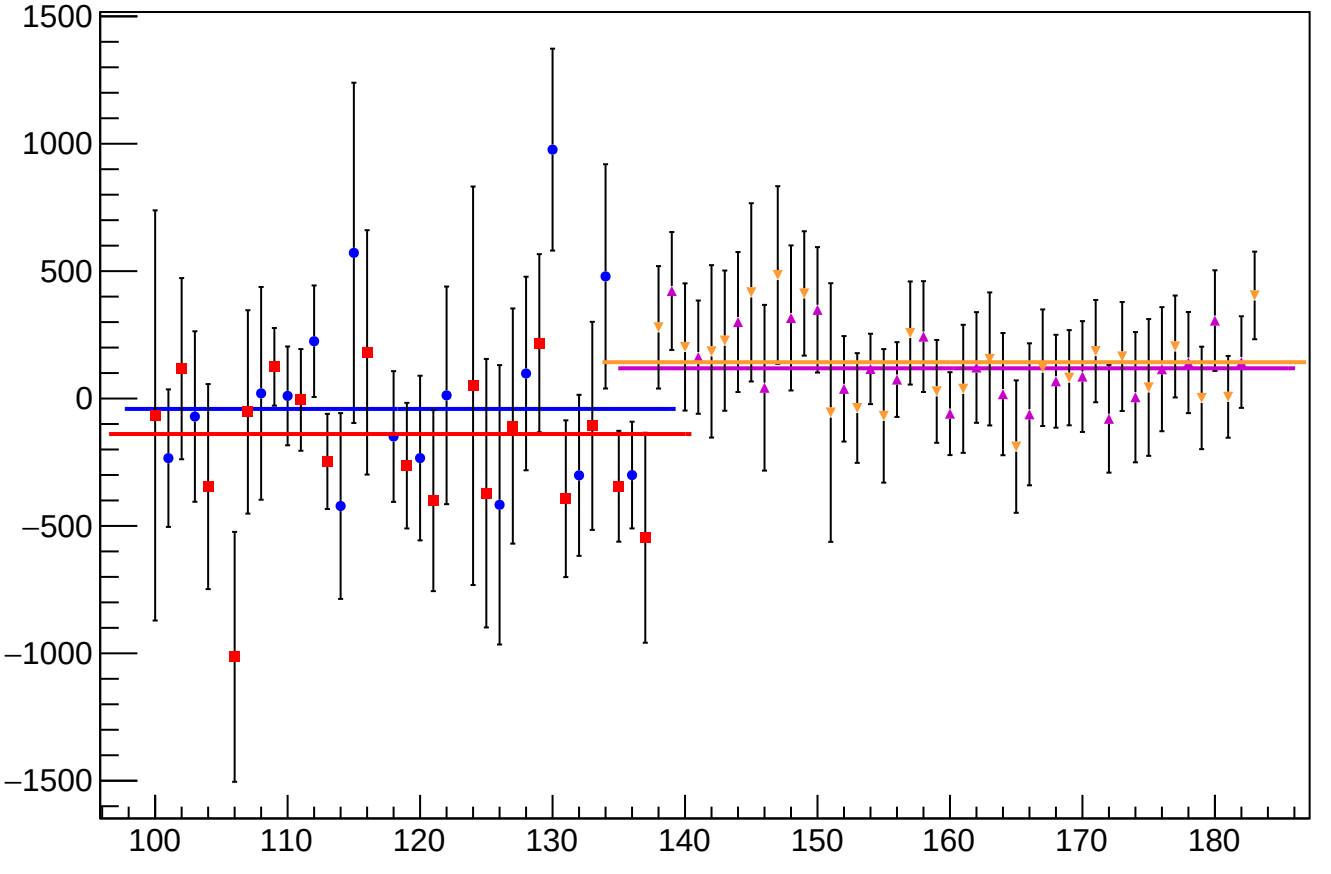
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 182.802+/-0.027 χ^2/NDF:2743149.6/37

Out: 189.029+/-0.027 χ^2/NDF:3605760.3/42

All: 185.884+/-0.019 χ^2/NDF: 6375247.2/80

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 142.624+/-46.958 χ^2/NDF:11.2/23

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: 129.919+/-32.202 χ^2/NDF: 19.4/45

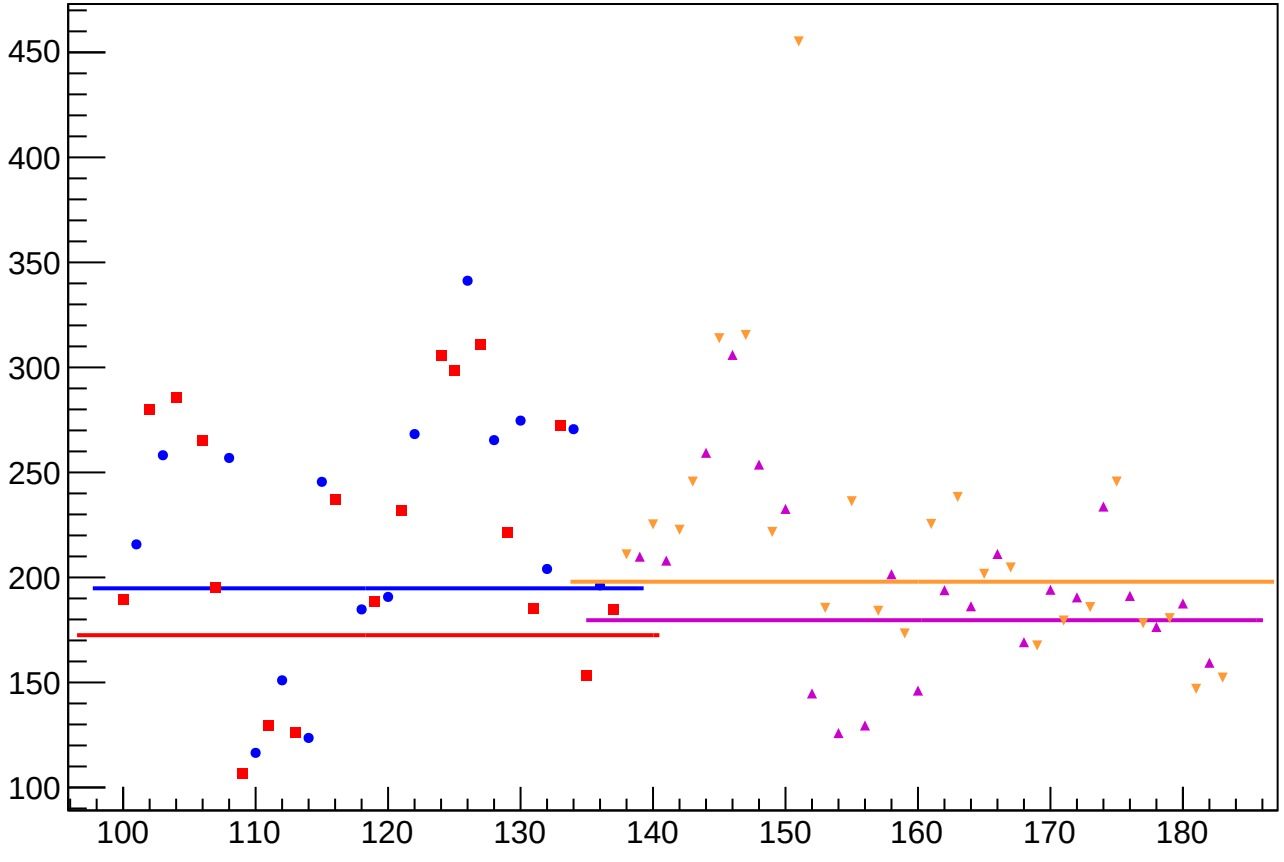
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 78.740+/-38.309 χ^2/NDF:26.7/37

Out: 52.422+/-38.724 χ^2/NDF:35.6/42

All: 65.722+/-27.234 χ^2/NDF: 62.5/80

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 197.965+/-0.033 χ^2/NDF:1758897.5/23

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 179.634+/-0.031 χ^2/NDF:1643020.7/21

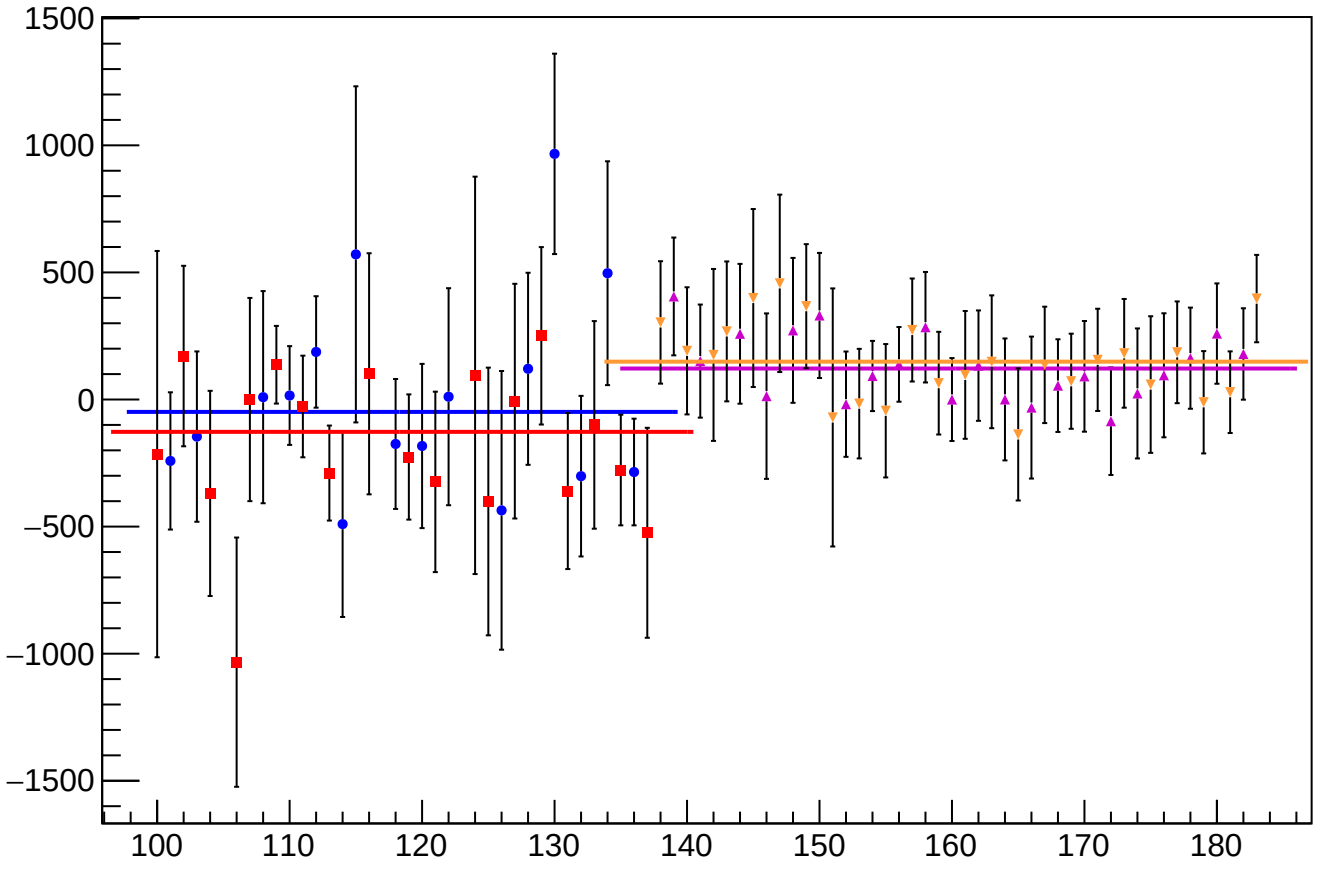
Left: 188.254+/-0.023 χ^2/NDF: 3563371.2/45

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 183.434+/-0.027 χ^2/NDF:2741081.3/37

Out: 189.819+/-0.027 χ^2/NDF:3589042.7/42

All: 186.592+/-0.019 χ^2/NDF: 6357605.1/80



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 148.894+/-47.000 χ^2/NDF:9.5/23

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: 134.587+/-32.230 χ^2/NDF: 16.6/45

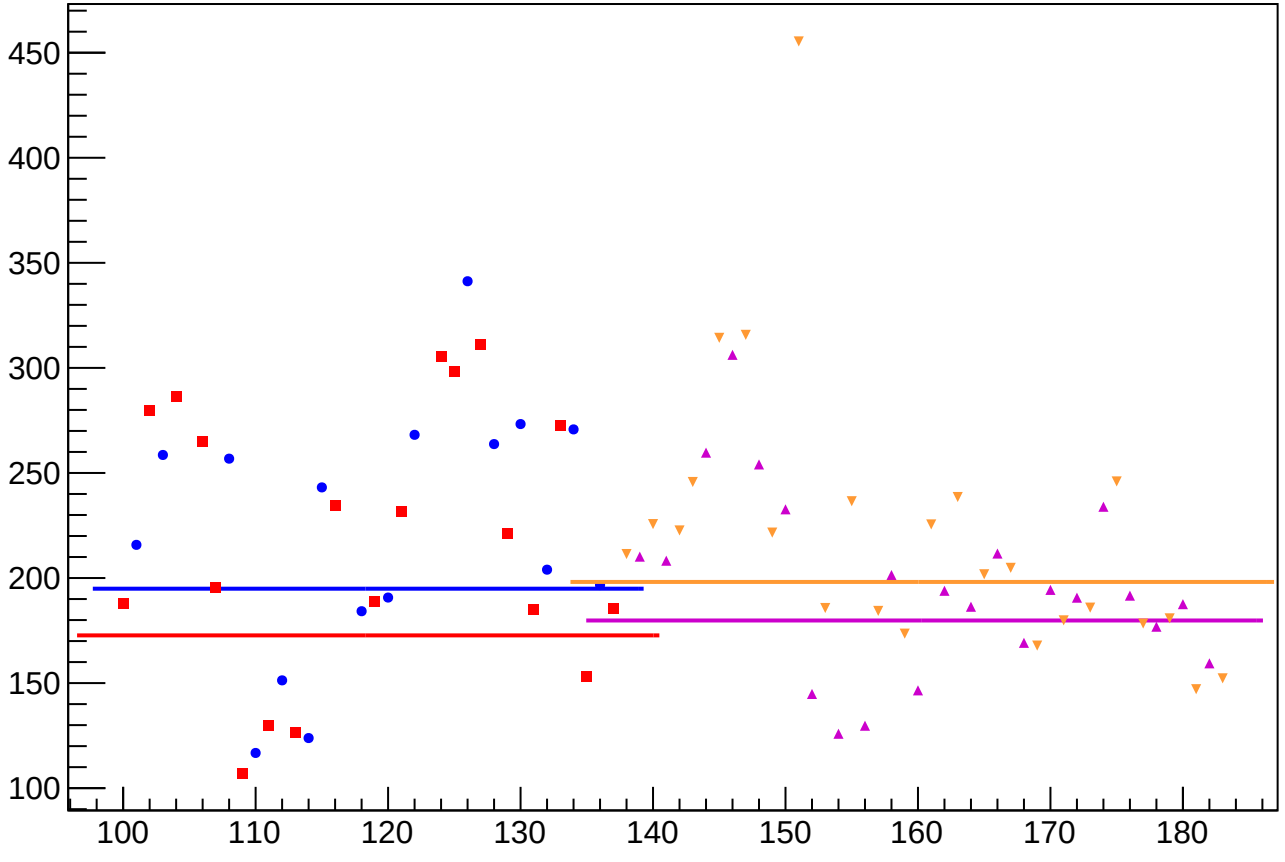
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 79.139+/-38.336 χ^2/NDF:26.1/37

Out: 60.515+/-38.756 χ^2/NDF:33.4/42

All: 69.928+/-27.255 χ^2/NDF: 59.6/80

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 198.139+/-0.033 χ^2/NDF:1759362.8/23

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 179.793+/-0.031 χ^2/NDF:1643005.6/21

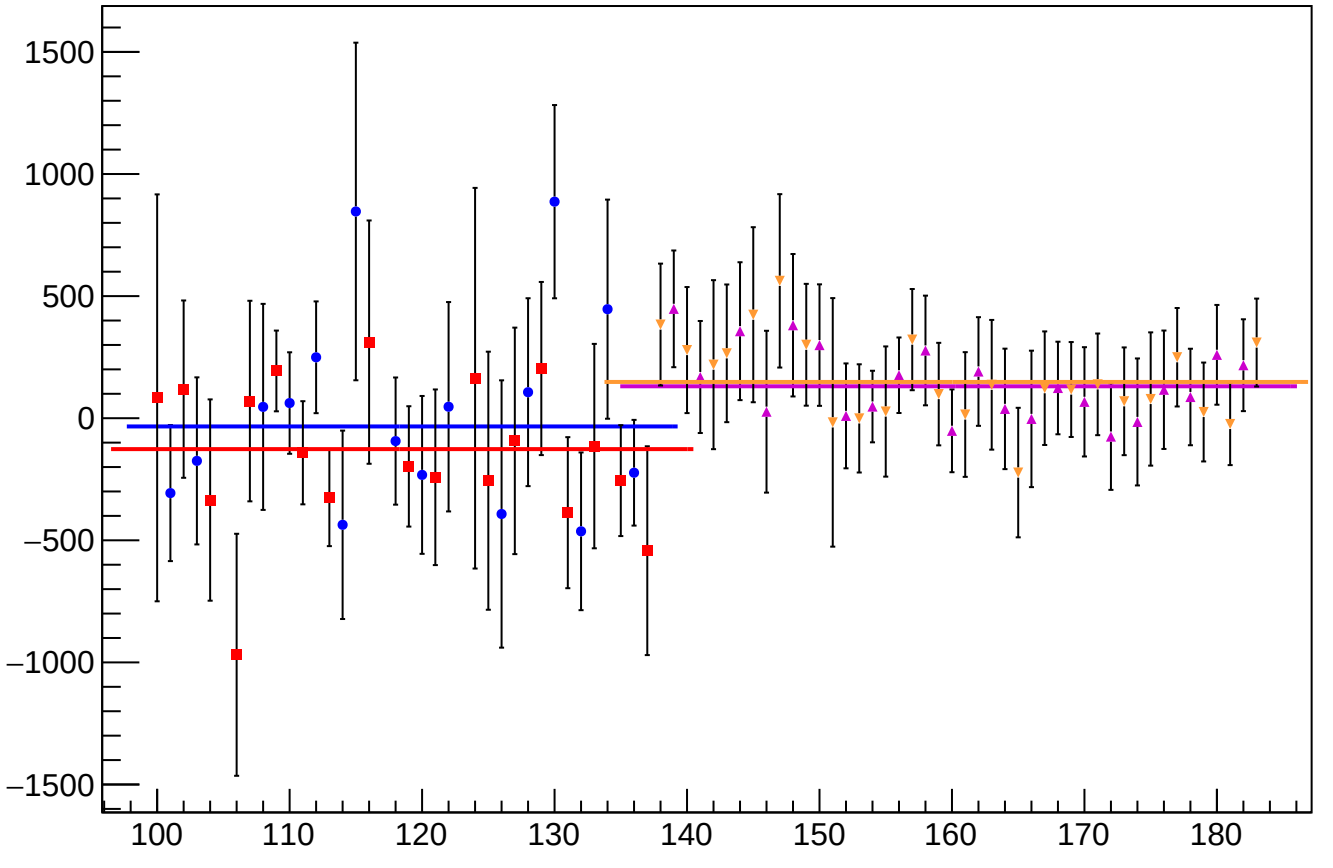
Left: 188.421+/-0.023 χ^2/NDF: 3563796.4/45

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.584+/-0.027 χ^2/NDF:2730392.7/37

Out: 189.999+/-0.027 χ^2/NDF:3578182.2/42

All: 186.756+/-0.019 χ^2/NDF: 6336271.9/80



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 148.524+/-48.285 χ^2/NDF:10.1/23

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: 139.128+/-33.195 χ^2/NDF: 18.6/45

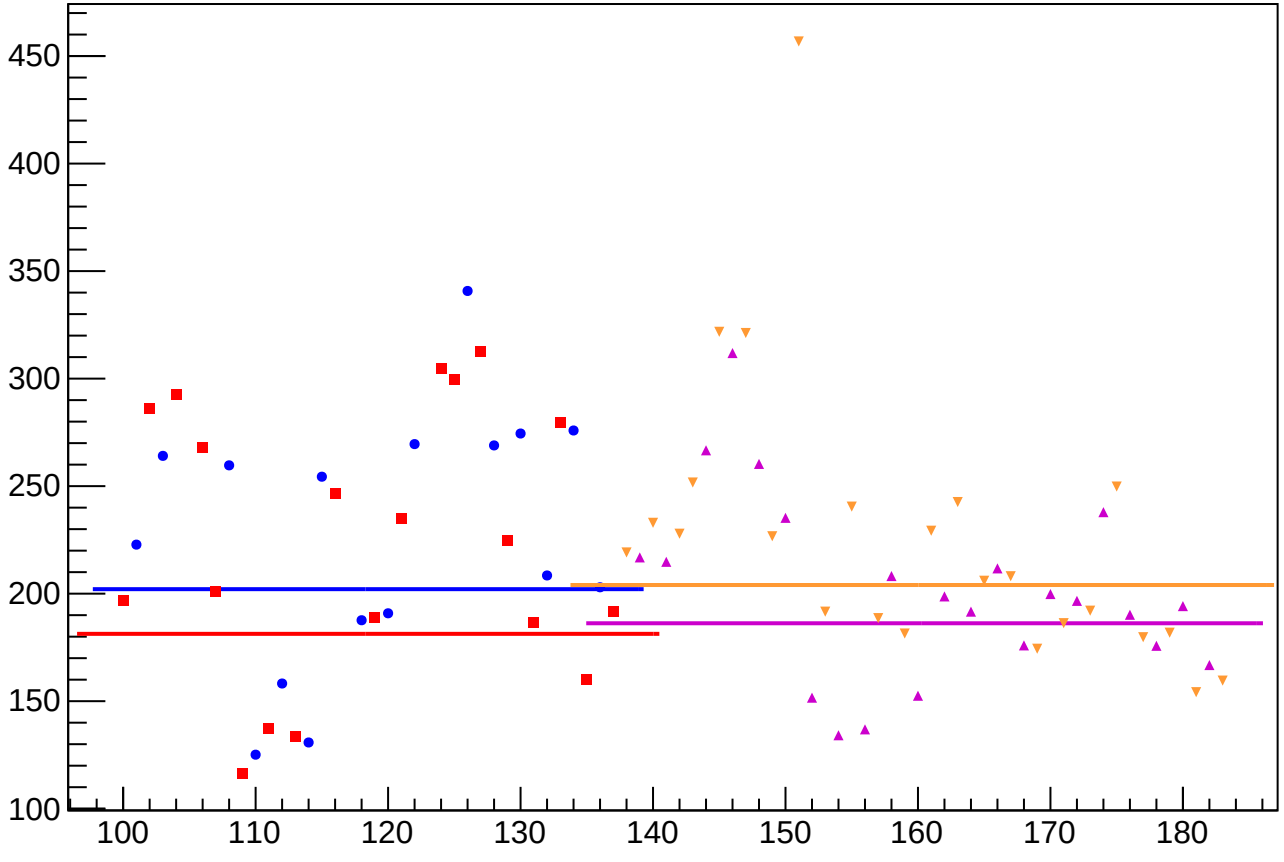
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 89.462+/-39.563 χ^2/NDF:27.4/37

Out: 62.047+/-39.982 χ^2/NDF:33.0/42

All: 75.899+/-28.122 χ^2/NDF: 60.7/80

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 204.020+/-0.034 χ^2/NDF:1656381.5/23

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 186.231+/-0.032 χ^2/NDF:1478010.7/21

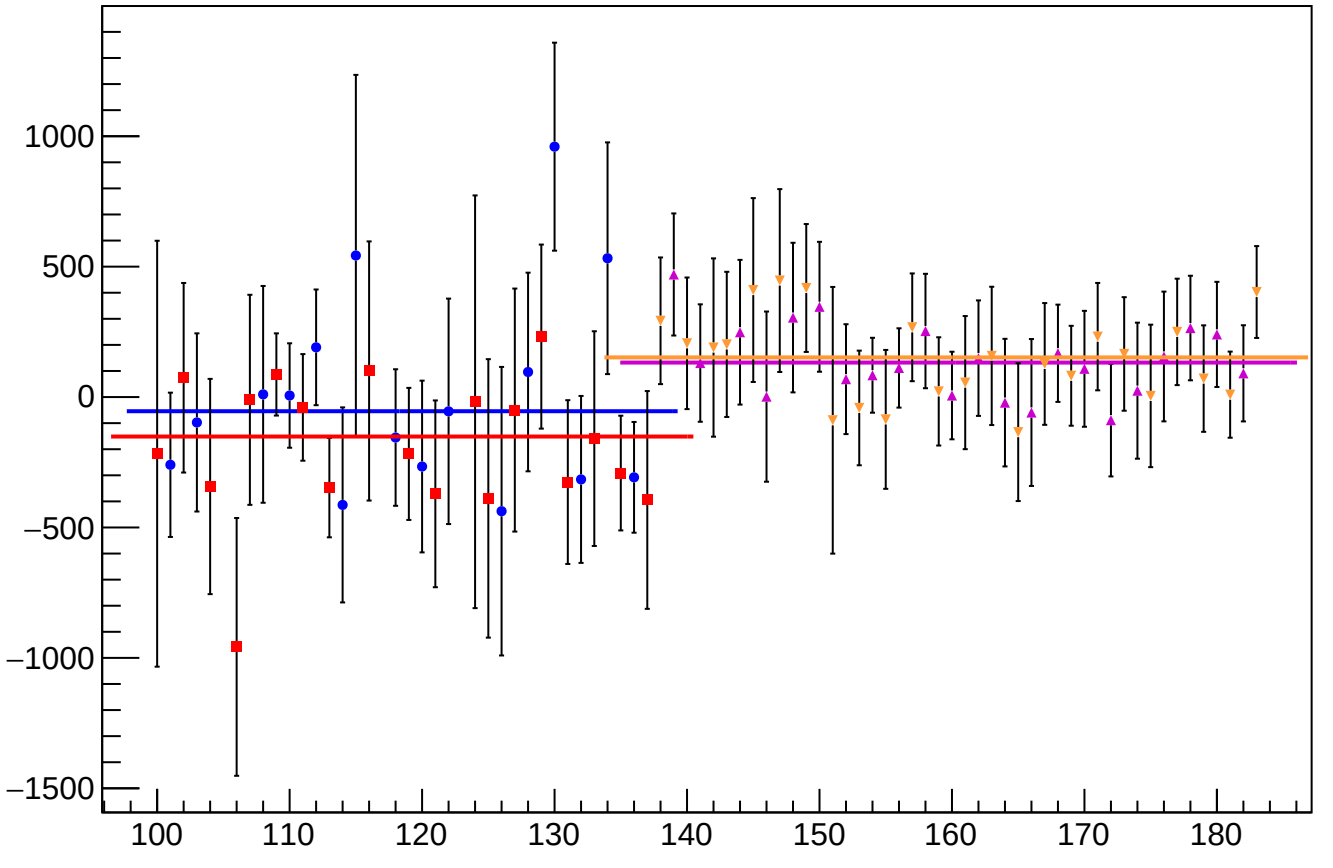
Left: 194.639+/-0.023 χ^2/NDF: 3277553.7/45

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 190.209+/-0.028 χ^2/NDF:2448657.8/37

Out: 196.882+/-0.028 χ^2/NDF:3236425.7/42

All: 193.510+/-0.020 χ^2/NDF: 5713228.0/80



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 152.104+/-47.845 χ^2/NDF:10.4/23

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: 141.616+/-32.860 χ^2/NDF: 18.0/45

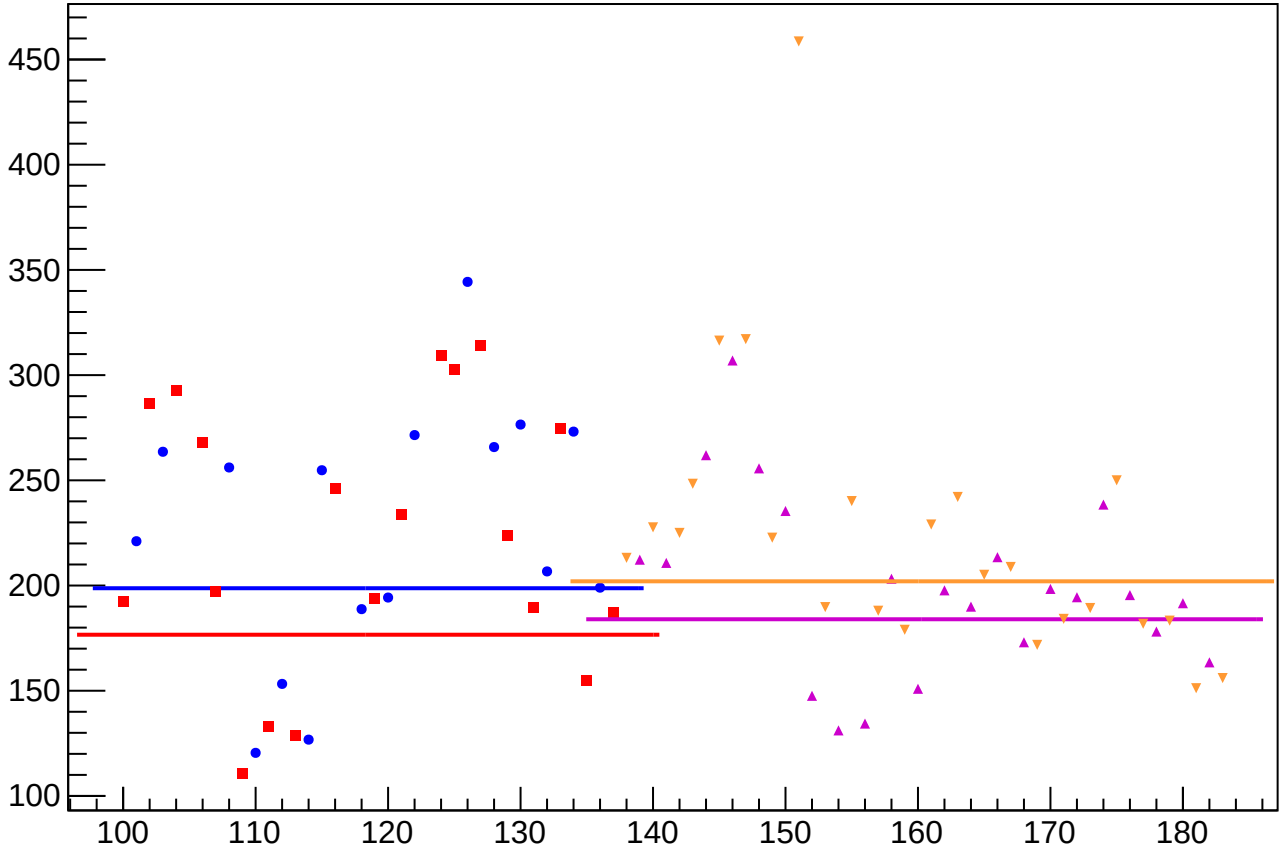
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 85.304+/-39.107 χ^2/NDF:26.9/37

Out: 55.292+/-39.482 χ^2/NDF:33.5/42

All: 70.441+/-27.785 χ^2/NDF: 60.7/80

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 202.007+/-0.034 χ^2/NDF:1680252.6/23

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: 192.479+/-0.023 χ^2/NDF: 3348356.1/45

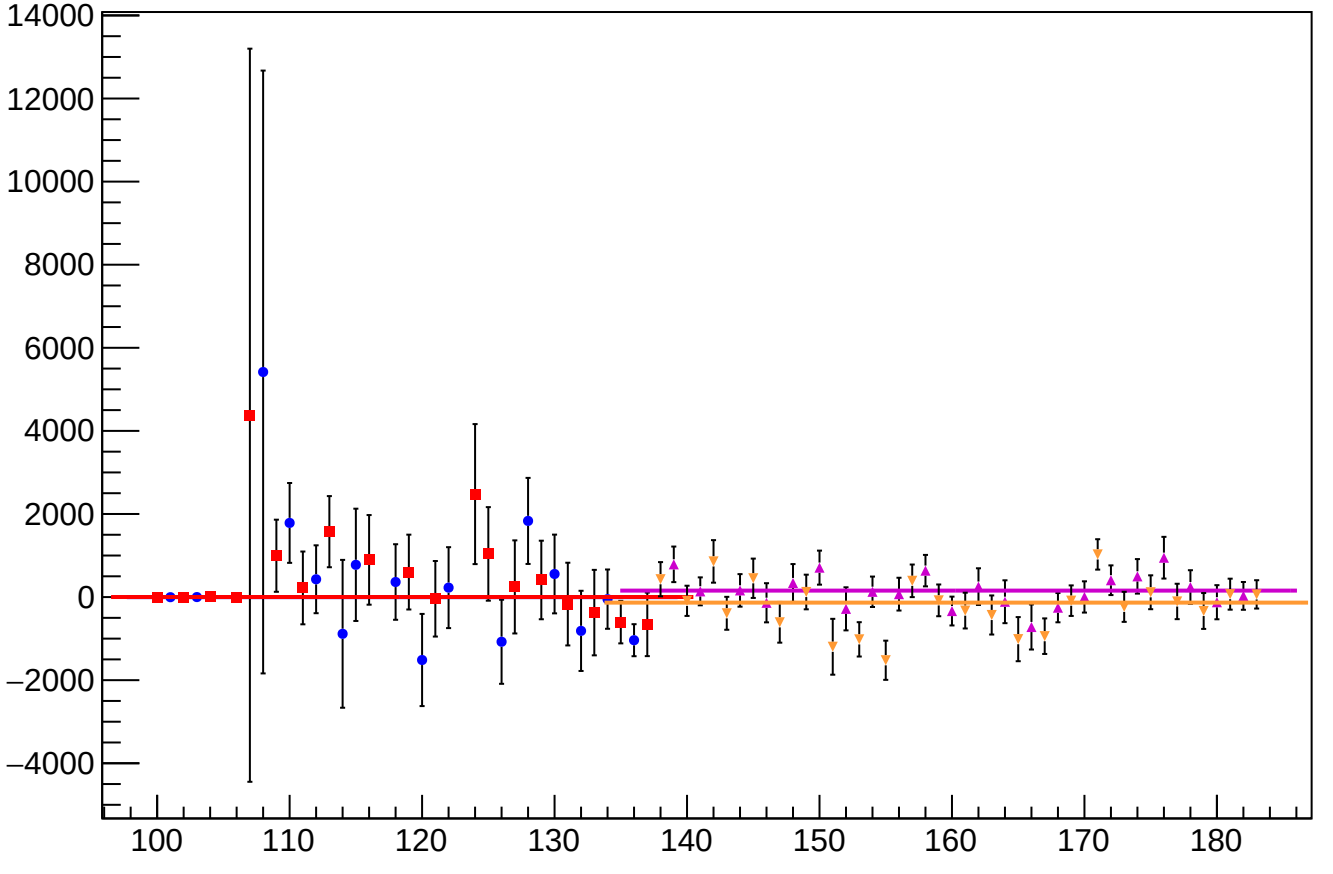
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 187.685+/-0.028 χ^2/NDF:2565619.2/37

Out: 193.908+/-0.028 χ^2/NDF:3455579.8/42

All: 190.767+/-0.020 χ^2/NDF: 6046281.6/80

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -133.567+/-85.109 χ^2/NDF:44.7/23

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: 9.454+/-60.519 χ^2/NDF: 68.1/45

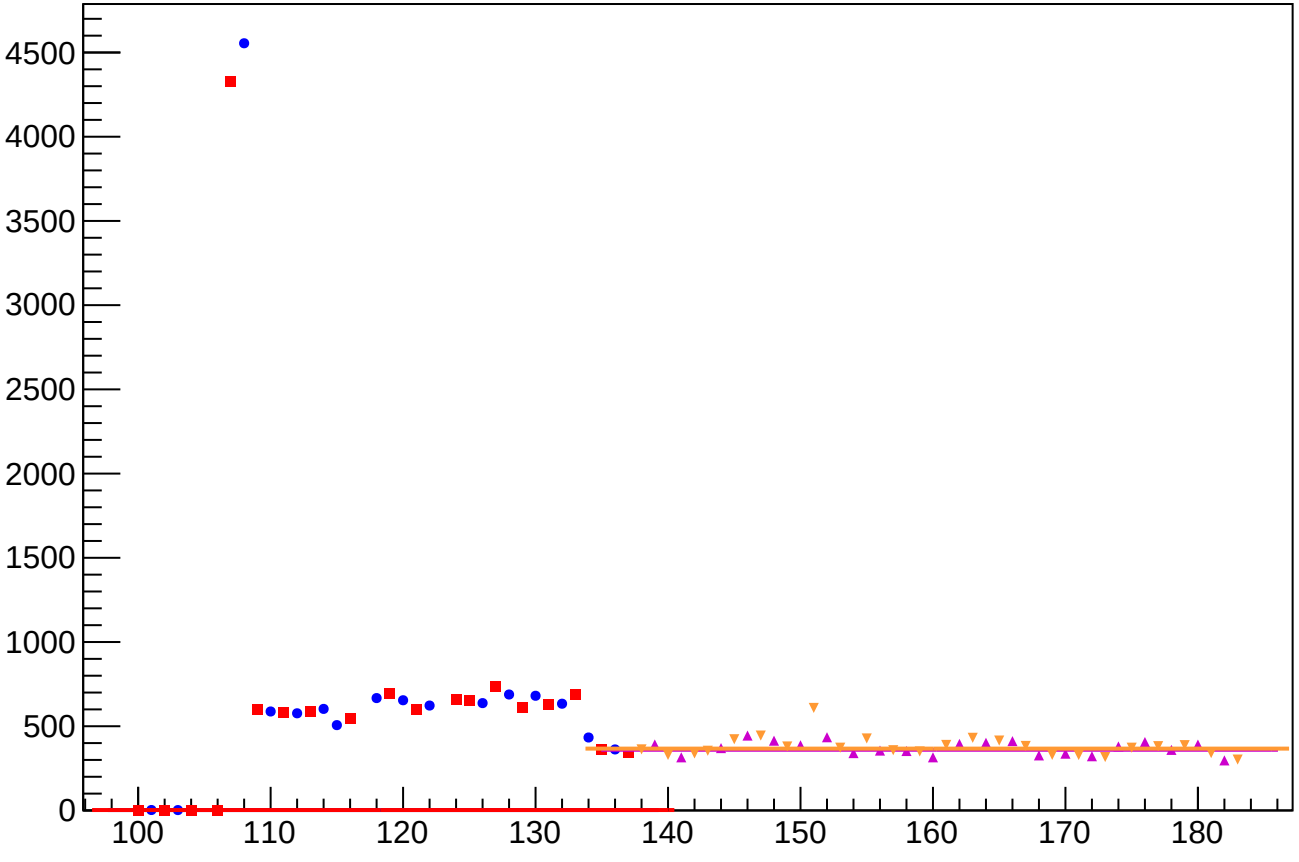
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.139+/-2.170 χ^2/NDF:40.9/37

Out: 1.301+/-2.022 χ^2/NDF:64.1/42

All: 0.167+/-1.479 χ^2/NDF: 105.7/80

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 367.127+/-0.060 χ^2/NDF:637699.5/23

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: 363.782+/-0.043 χ^2/NDF: 1069259.9/45

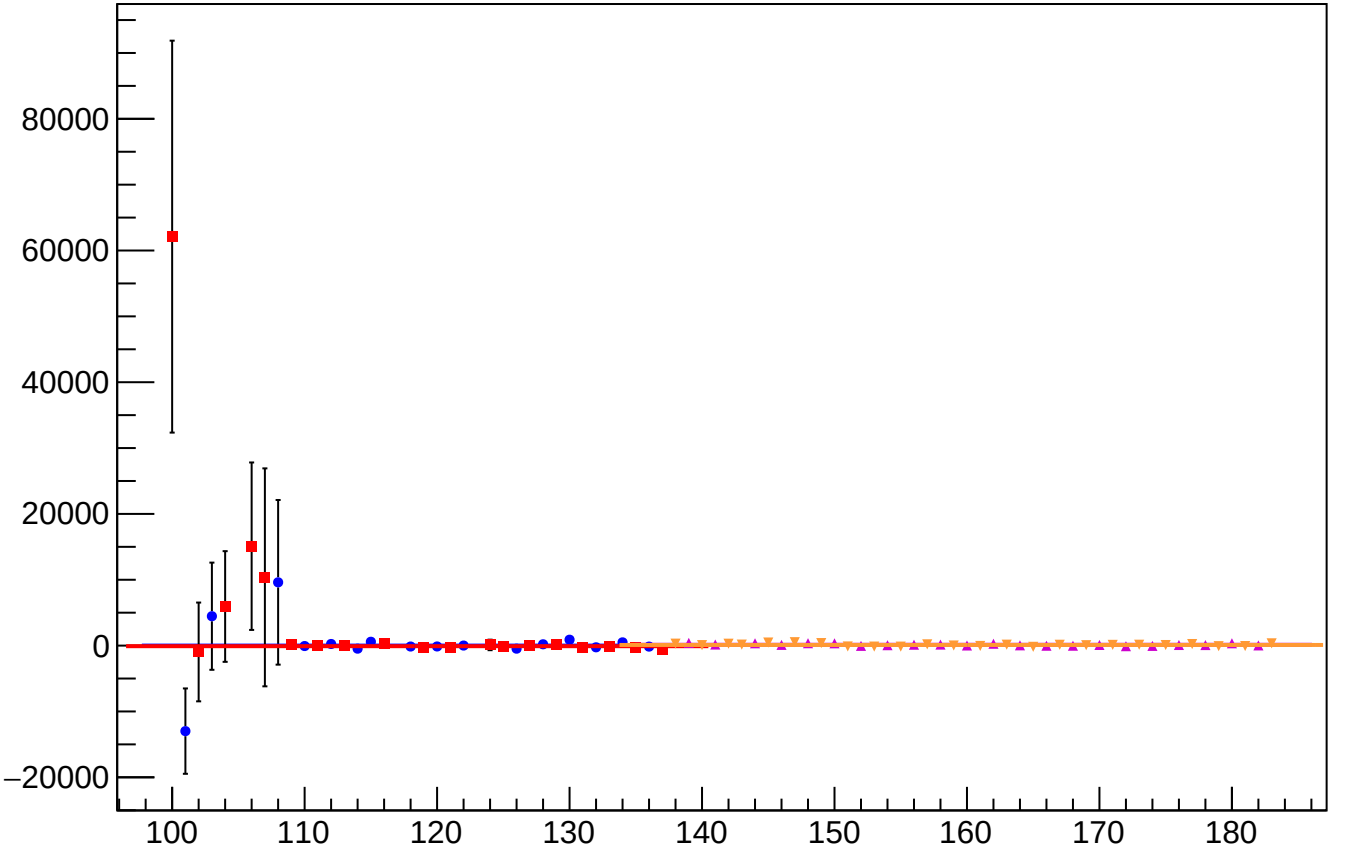
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.704+/-0.002 χ^2/NDF:46606106.4/37

Out: 2.668+/-0.001 χ^2/NDF:48879264.9/42

All: 2.685+/-0.001 χ^2/NDF: 95485670.0/80

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 98.697+/-48.804 χ^2/NDF:12.7/23

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: 111.499+/-34.039 χ^2/NDF: 21.8/45

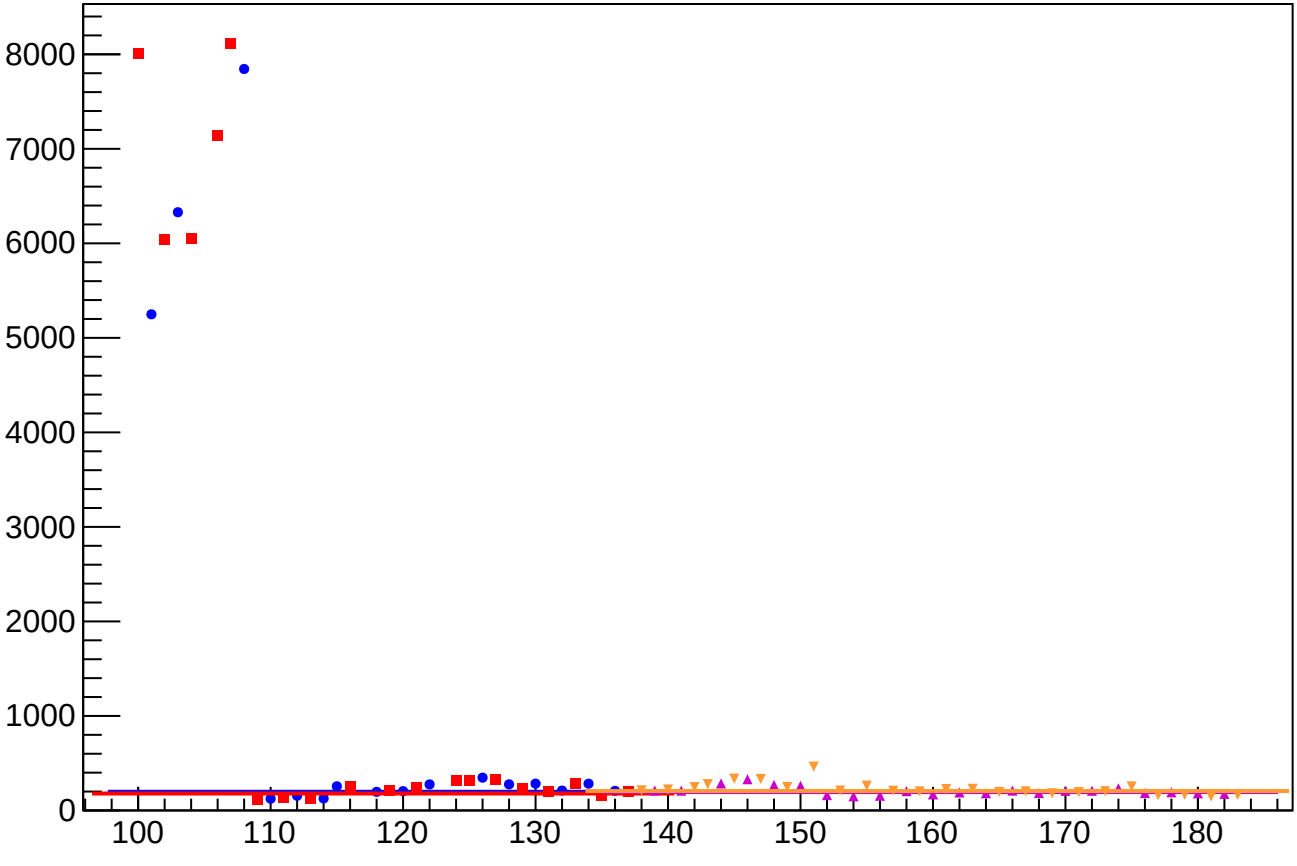
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 95.776+/-41.781 χ^2/NDF:27.3/37

Out: 49.490+/-41.885 χ^2/NDF:31.5/42

All: 72.691+/-29.580 χ^2/NDF: 59.4/80

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 205.531+/-0.035 χ^2/NDF:1941570.8/23

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 194.521+/-0.034 χ^2/NDF:1176314.6/21

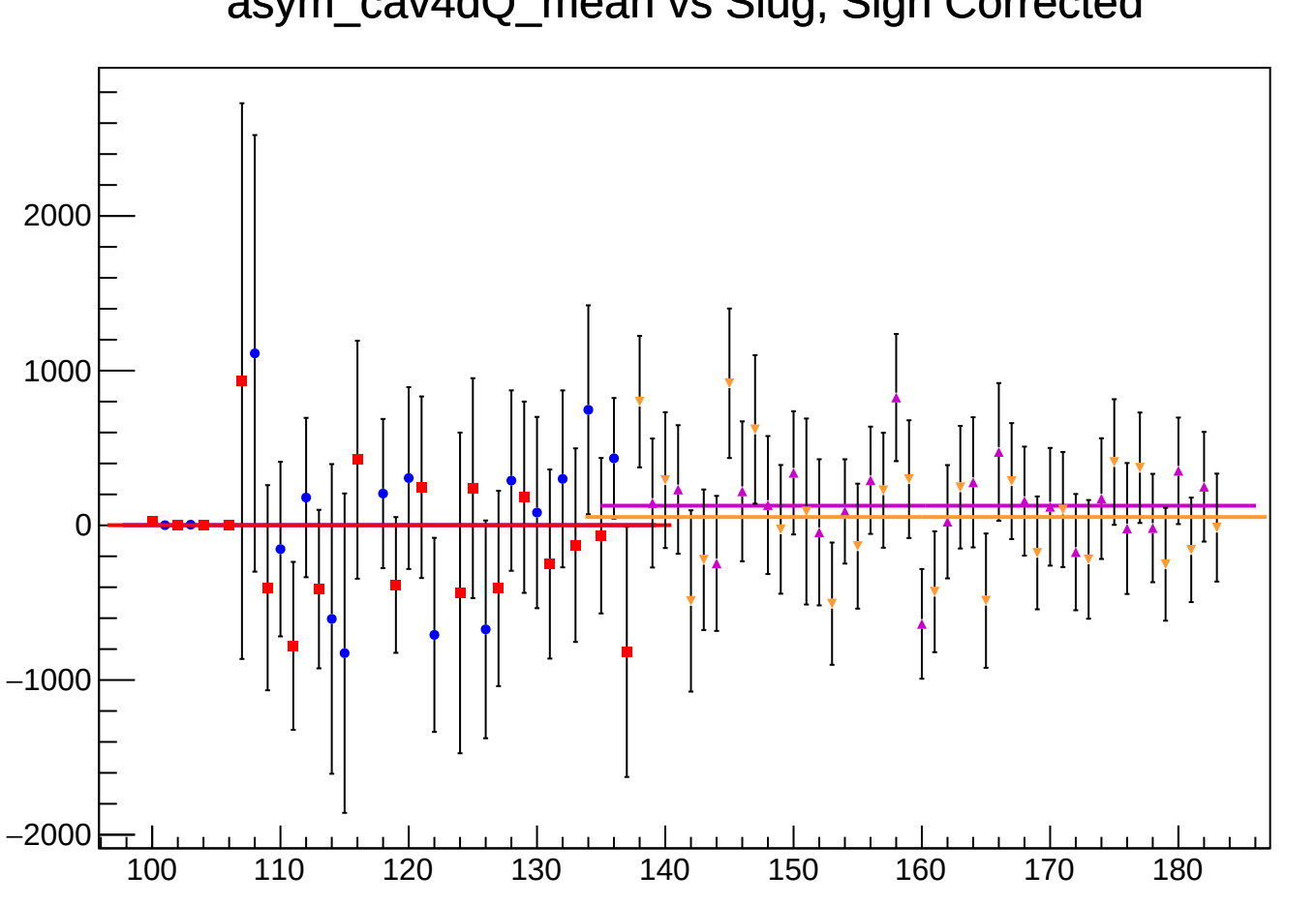
Left: 199.877+/-0.024 χ^2/NDF: 3170149.2/45

Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 195.223+/-0.030 χ^2/NDF:5135433.1/37

Out: 198.607+/-0.030 χ^2/NDF:6512779.1/42

All: 196.911+/-0.021 χ^2/NDF: 11654758.0/80



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 53.650+/-82.313 χ^2/NDF:19.4/23

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: 89.934+/-58.425 χ^2/NDF: 31.1/45

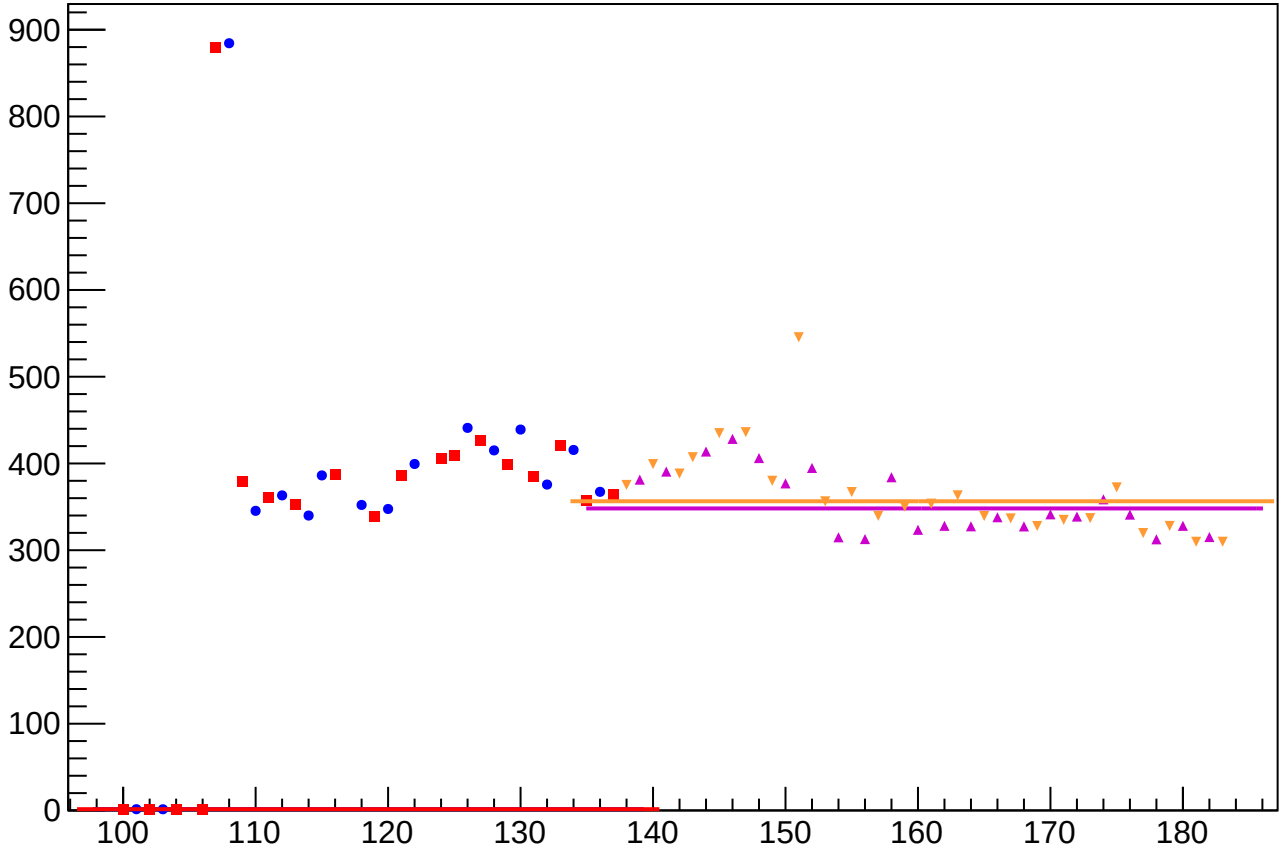
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.506+/-1.660 χ^2/NDF:21.5/37

Out: 1.112+/-1.528 χ^2/NDF:29.0/42

All: 1.292+/-1.124 χ^2/NDF: 50.5/80

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 356.447+/-0.058 χ^2/NDF:515500.0/23

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: 352.331+/-0.041 χ^2/NDF: 863598.3/45

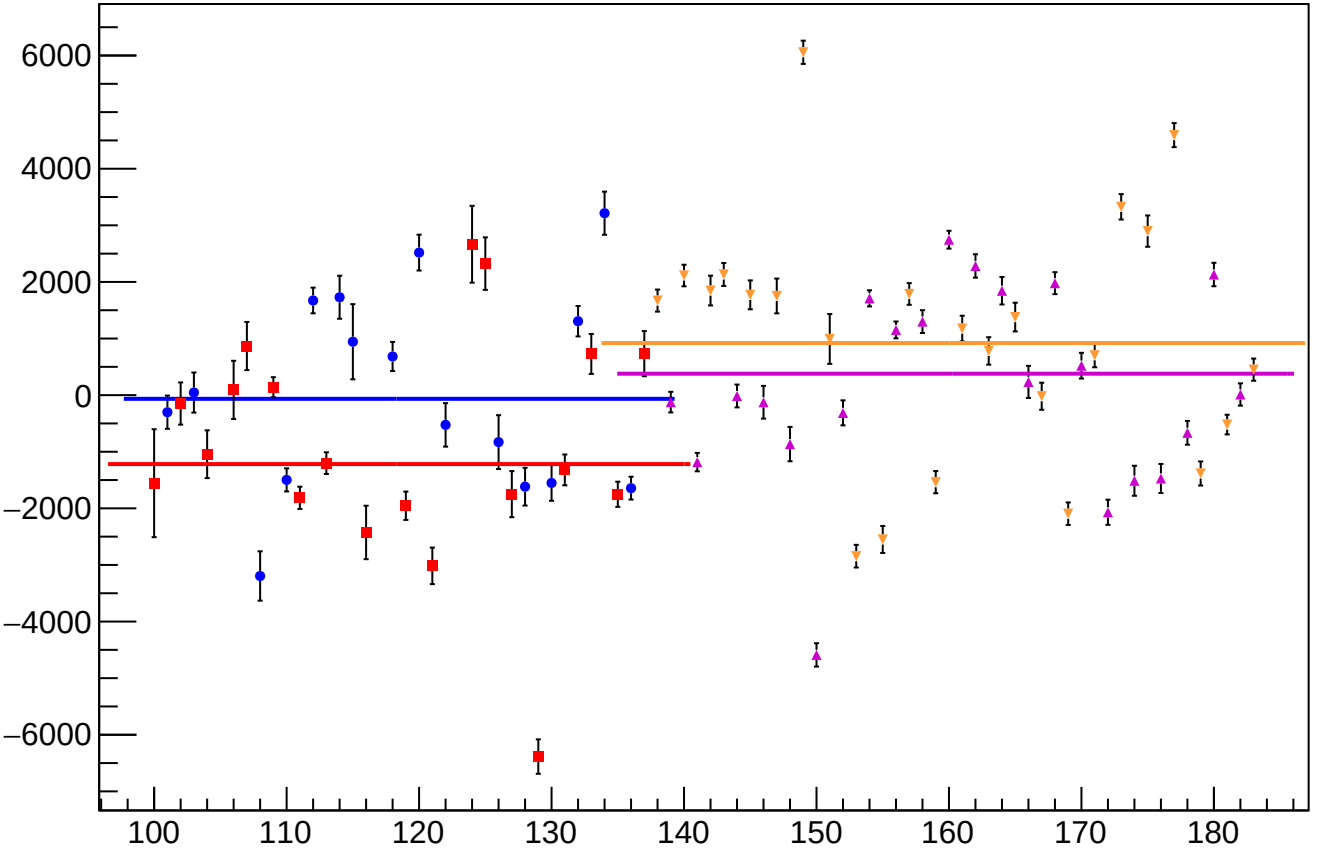
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.609+/-0.001 χ^2/NDF:47001028.5/37

Out: 1.589+/-0.001 χ^2/NDF:48969325.6/42

All: 1.598+/-0.001 χ^2/NDF: 95970505.6/80

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 921.183+/-44.873 χ^2/NDF:2399.9/23

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: 638.978+/-31.073 χ^2/NDF: 4065.2/45

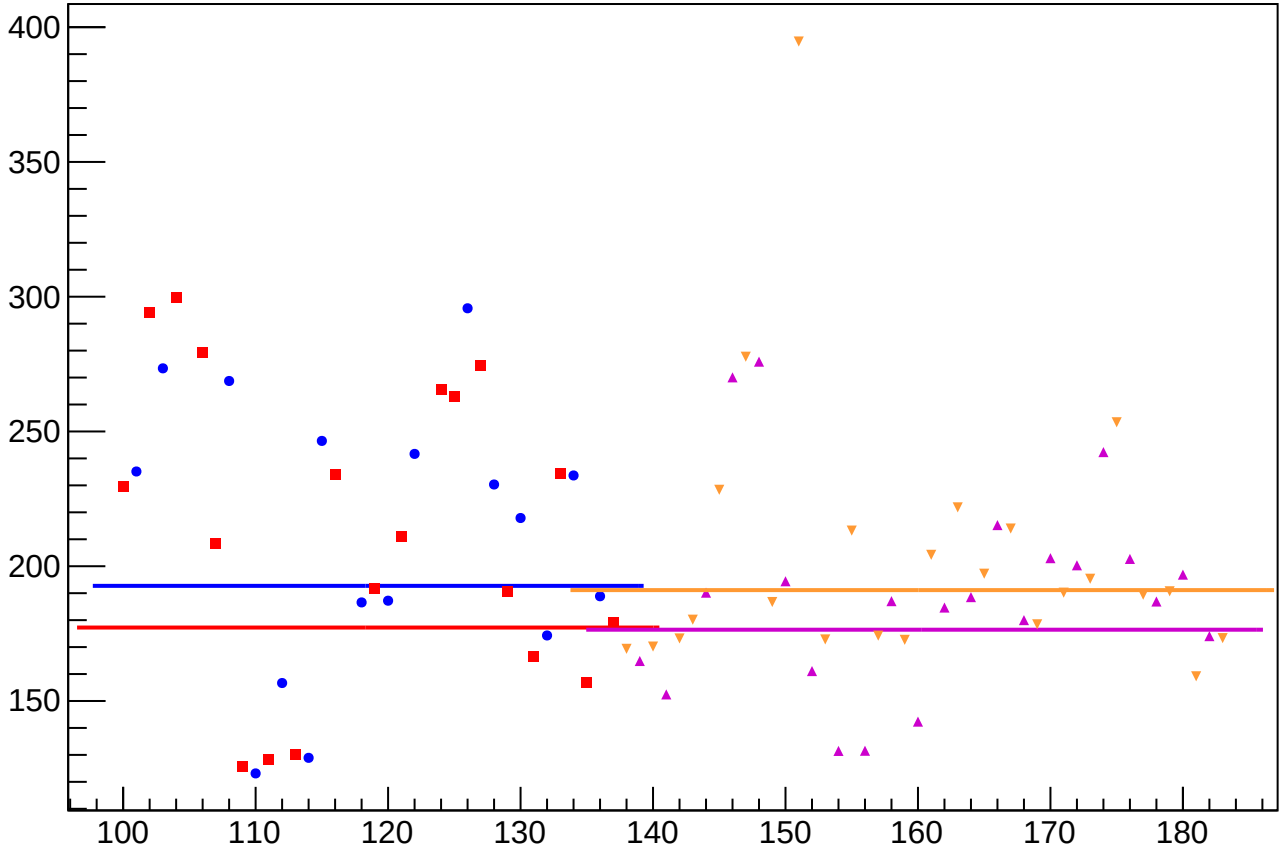
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 268.666+/-37.336 χ^2/NDF:2085.2/37

Out: 285.696+/-37.621 χ^2/NDF:3669.5/42

All: 277.116+/-26.501 χ^2/NDF: 5754.9/80

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 191.138+/-0.032 χ^2/NDF:1013119.6/23

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: 183.492+/-0.022 χ^2/NDF: 2382329.0/45

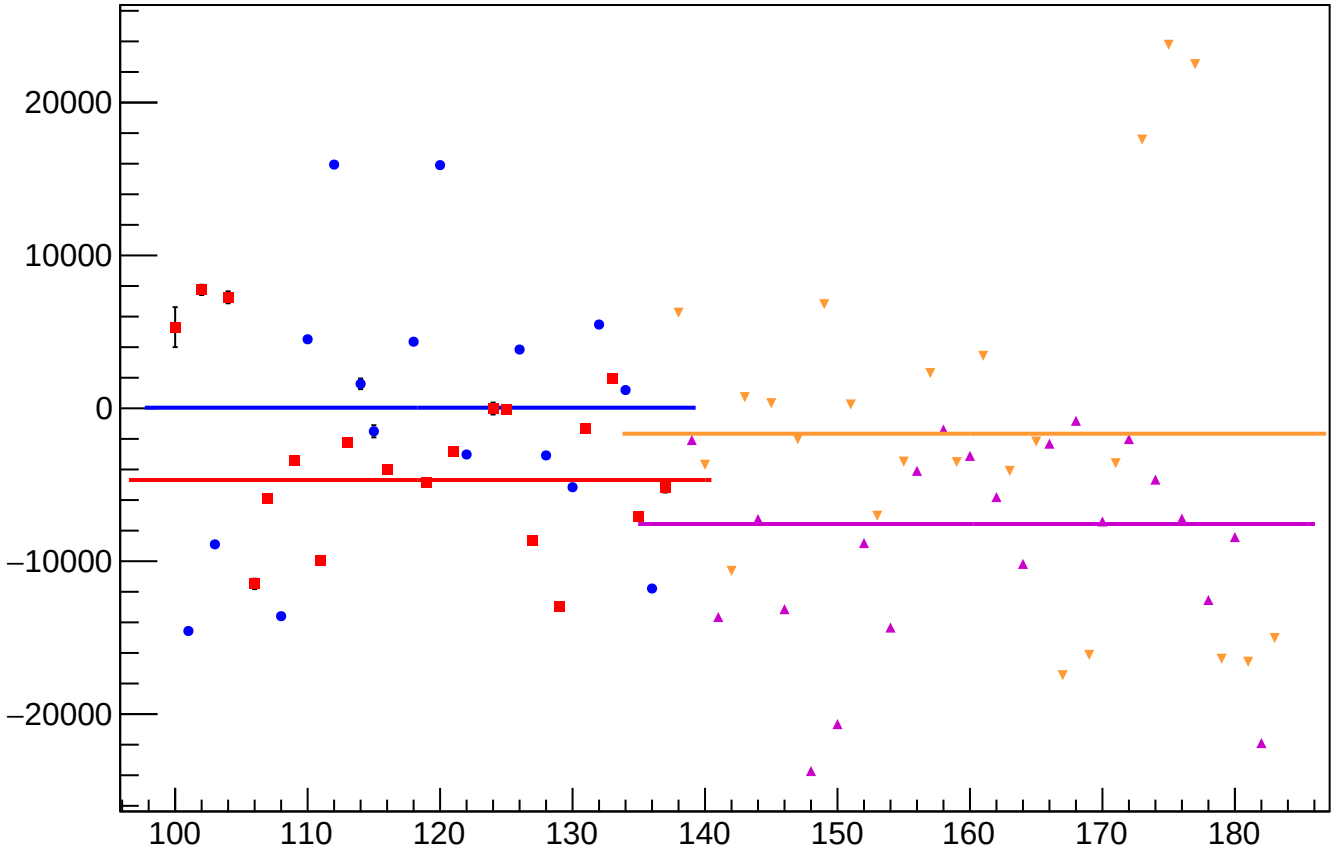
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 180.491+/-0.026 χ^2/NDF:2087730.8/37

Out: 187.012+/-0.027 χ^2/NDF:2296203.1/42

All: 183.727+/-0.019 χ^2/NDF: 4414205.3/80

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1660.514+/-41.071 χ^2/NDF:64469.5/23

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7566.520+/-42.770 χ^2/NDF:21192.8/21

Left: -4493.906+/-29.624 χ^2/NDF: 95582.8/45

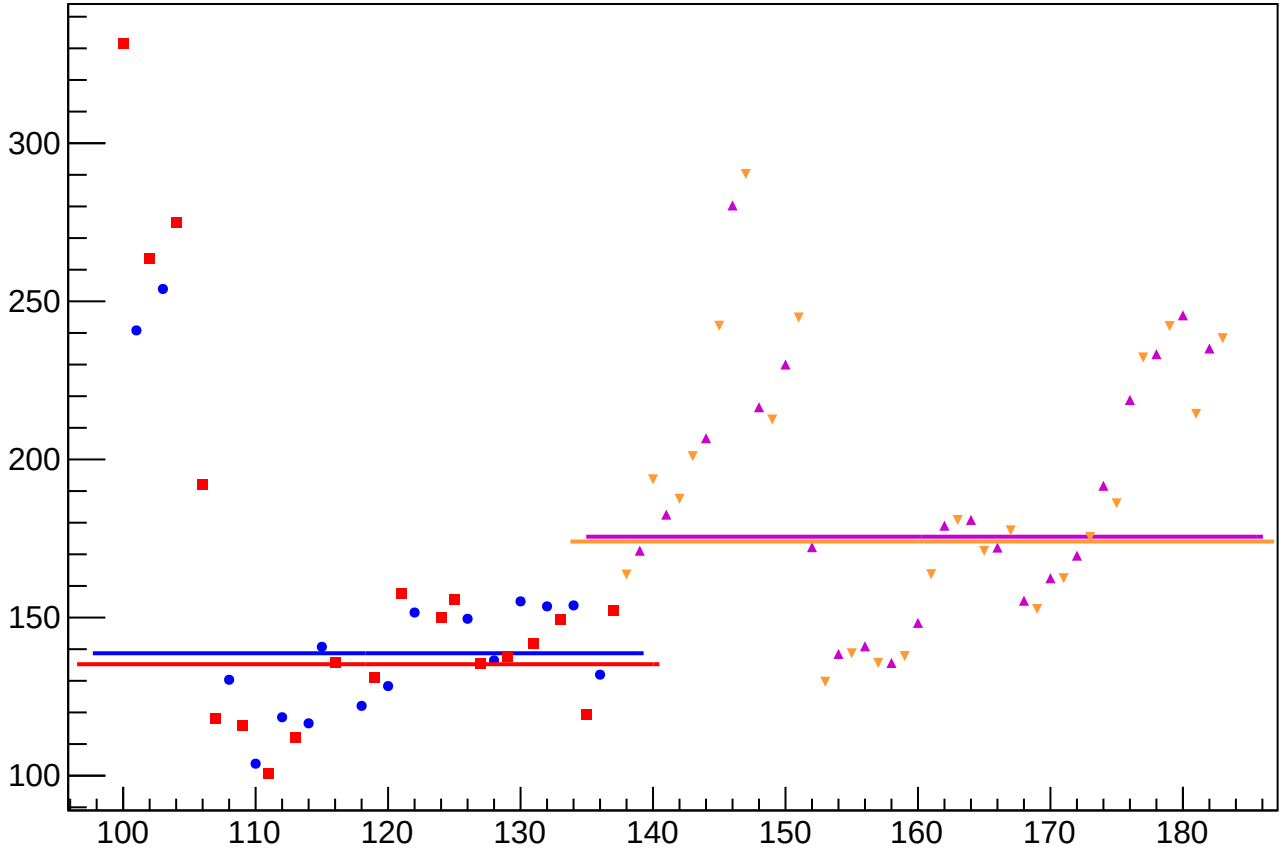
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4647.159+/-33.575 χ^2/NDF:64120.1/37

Out: -2821.624+/-32.253 χ^2/NDF:74350.3/42

All: -3697.749+/-23.260 χ^2/NDF: 140008.0/8

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 174.042+/-0.029 χ^2/NDF:1624811.1/23

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: 174.776+/-0.021 χ^2/NDF: 2953207.6/45

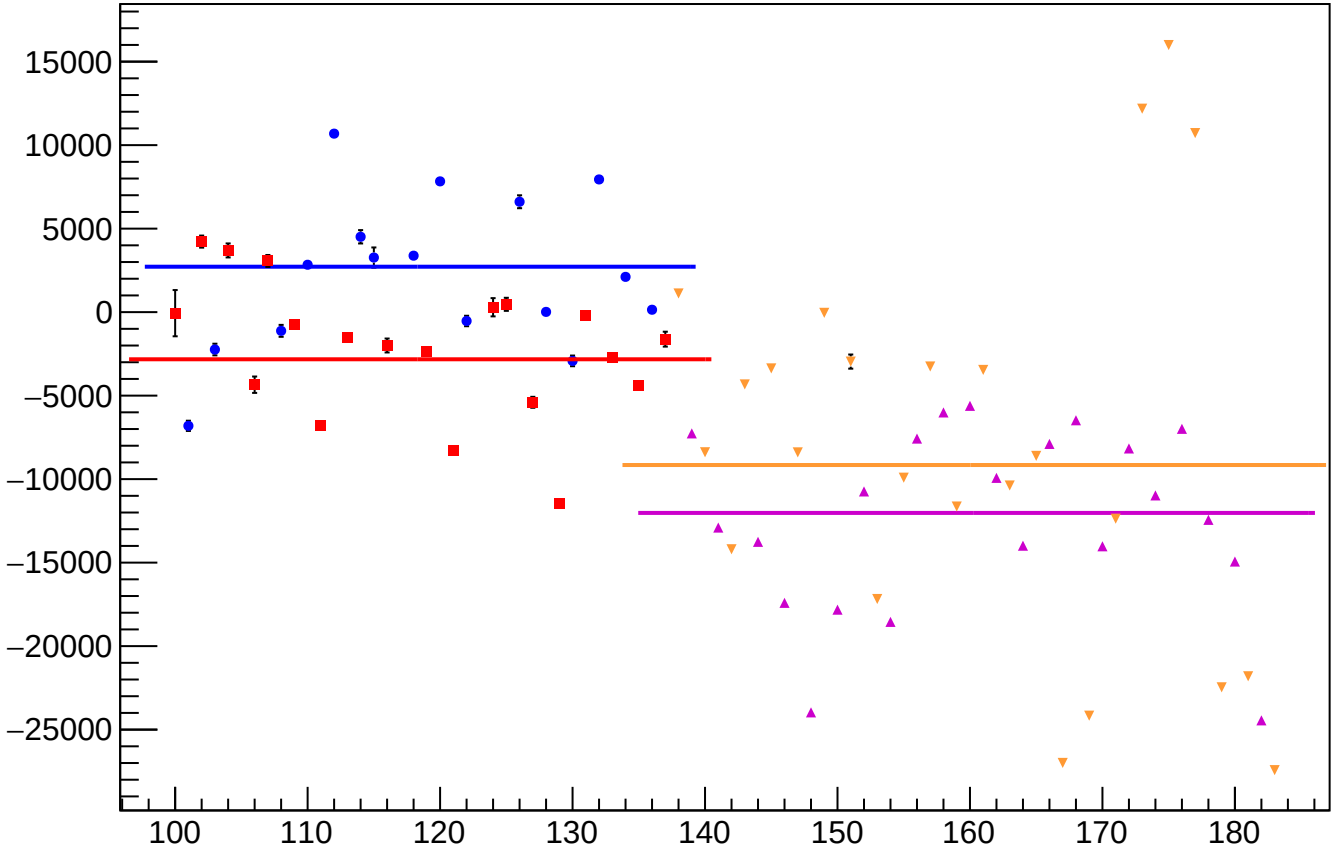
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 161.427+/-0.024 χ^2/NDF:2554931.1/37

Out: 159.171+/-0.023 χ^2/NDF:3198914.4/42

All: 160.254+/-0.016 χ^2/NDF: 5758542.1/80

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -9155.456+/-46.032 χ^2/NDF:62435.6/23

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: -10637.295+/-32.004 χ^2/NDF: 78877.3/45

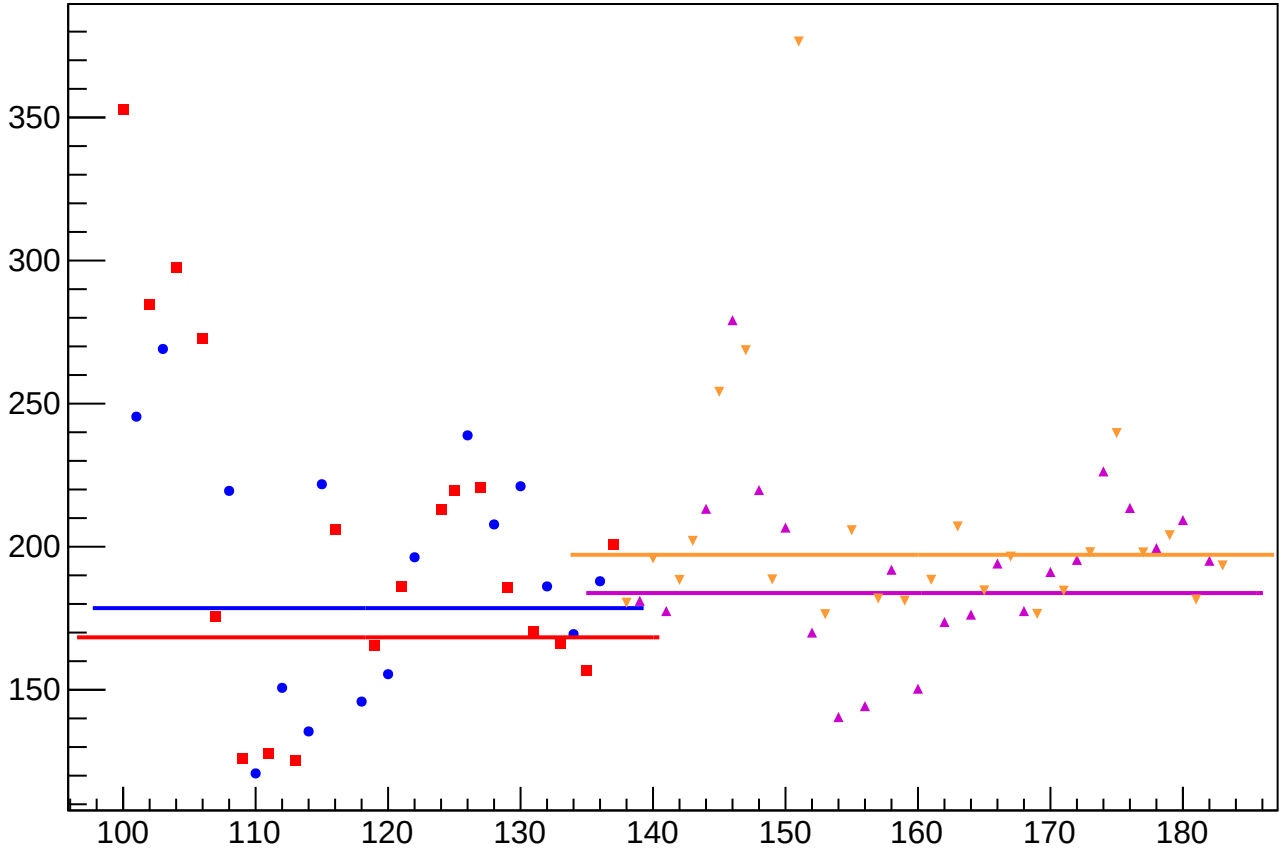
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -7711.131+/-37.451 χ^2/NDF:50637.4/37

Out: -7034.037+/-37.537 χ^2/NDF:71837.4/42

All: -7373.360+/-26.512 χ^2/NDF: 122637.9/8

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 197.182+/-0.033 χ^2/NDF:732294.5/23

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: 190.275+/-0.023 χ^2/NDF: 1647191.3/45

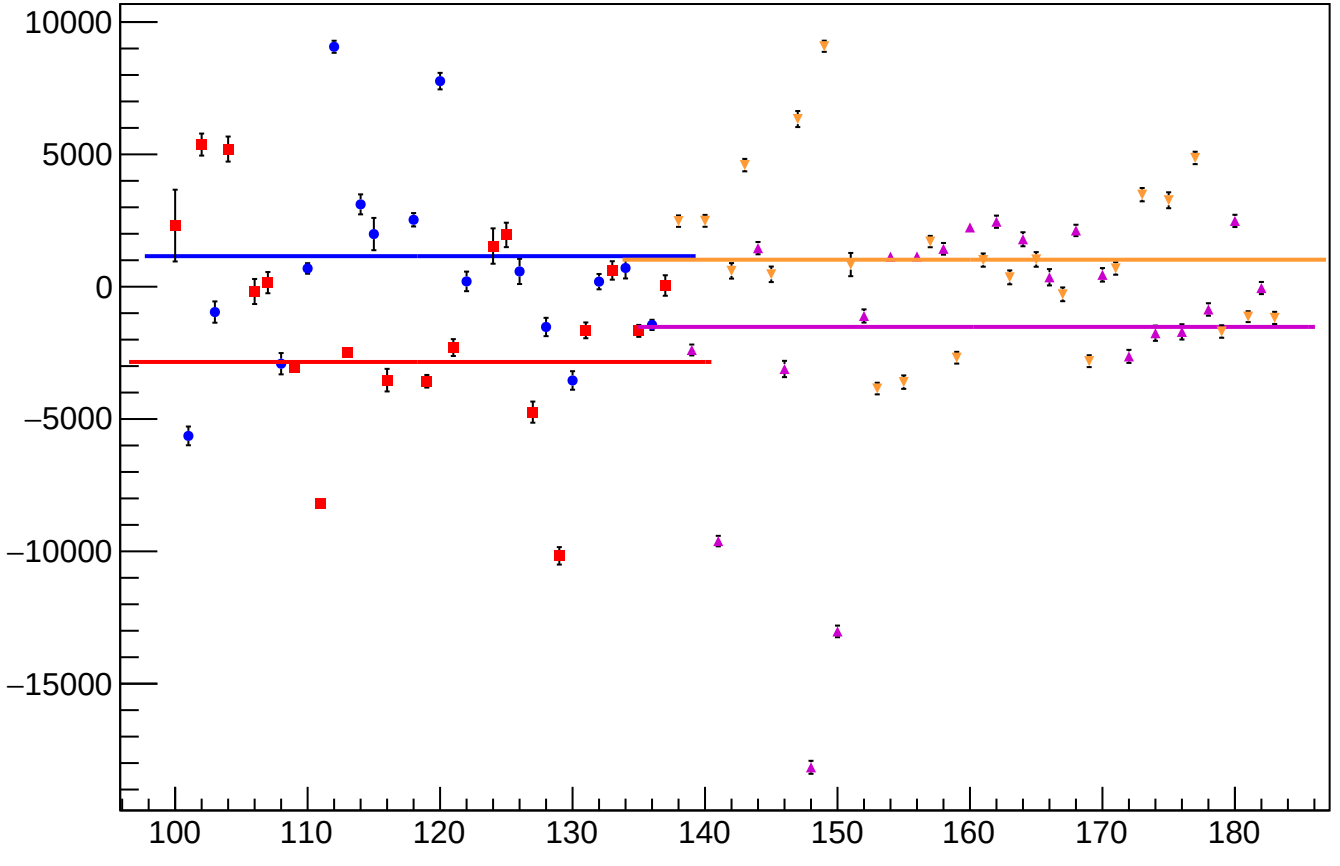
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 182.270+/-0.026 χ^2/NDF:1510489.6/37

Out: 187.517+/-0.027 χ^2/NDF:1974944.2/42

All: 184.888+/-0.019 χ^2/NDF: 3505016.8/80

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1019.915+/-49.997 χ^2/NDF:4278.7/23

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: -289.811+/-34.790 χ^2/NDF: 17084.4/45

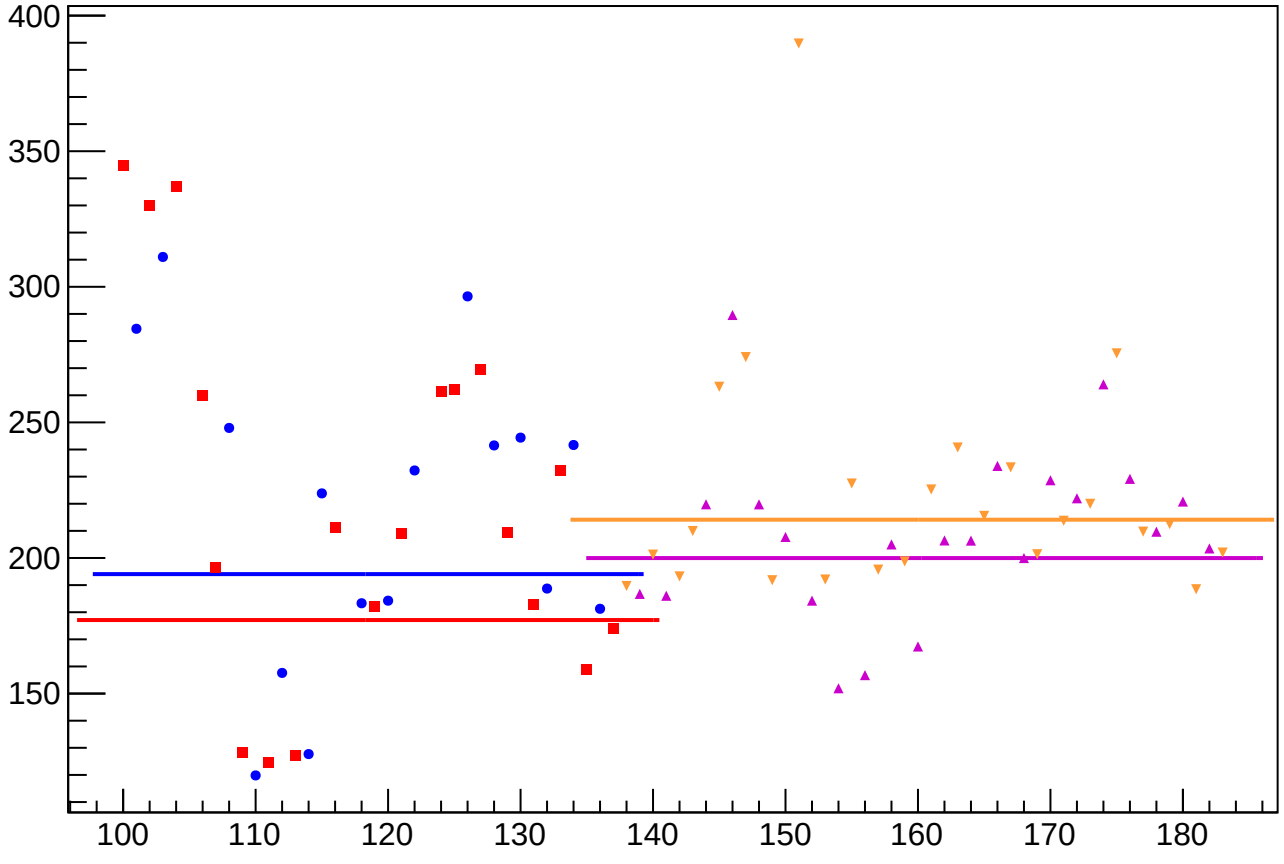
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -746.391+/-40.842 χ^2/NDF:15011.0/37

Out: -306.819+/-40.514 χ^2/NDF:8782.5/42

All: -524.835+/-28.763 χ^2/NDF: 23852.0/80

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.118+/-0.035 χ^2/NDF:731853.0/23

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: 206.820+/-0.025 χ^2/NDF: 1599789.8/45

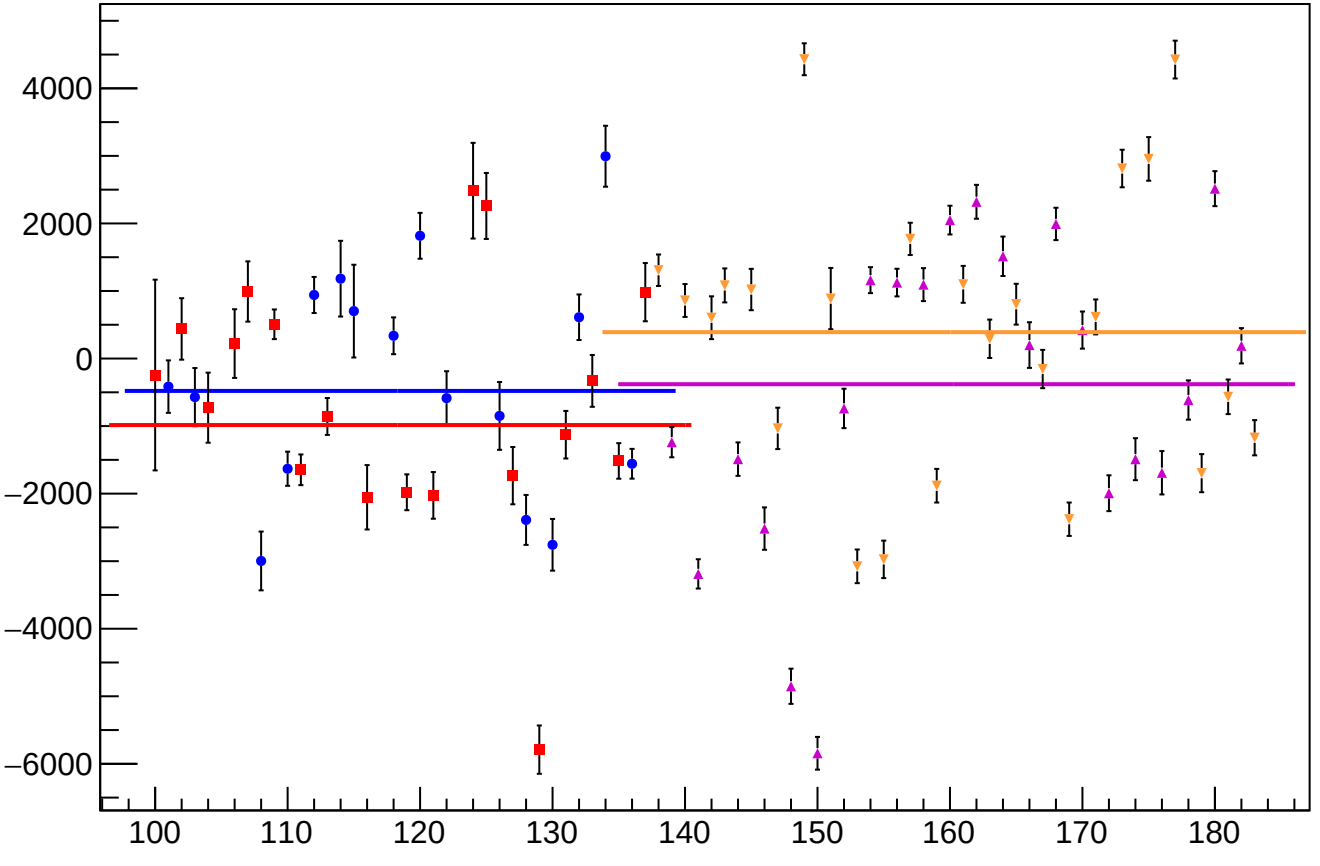
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 198.259+/-0.029 χ^2/NDF:1759735.0/37

Out: 201.412+/-0.029 χ^2/NDF:2467350.9/42

All: 199.848+/-0.020 χ^2/NDF: 4233094.7/80

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 390.545+/-55.371 χ^2/NDF:1394.6/23

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -380.039+/-53.935 χ^2/NDF:1803.1/21

Left: -4.864+/-38.636 χ^2/NDF: 3297.1/45

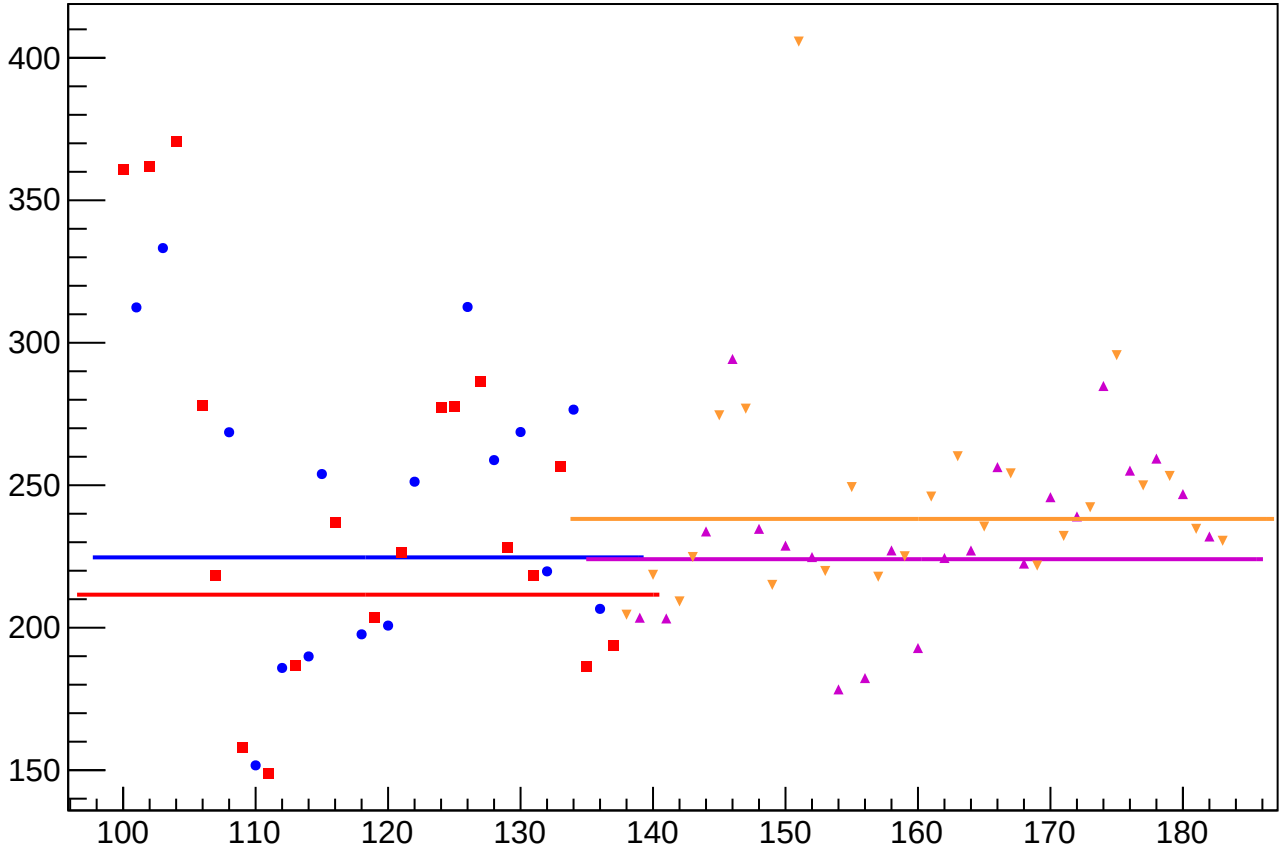
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -407.742+/-45.795 χ^2/NDF:2109.5/37

Out: -47.773+/-45.701 χ^2/NDF:1989.3/42

All: -227.390+/-32.349 χ^2/NDF: 4129.7/80

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.181+/-0.039 χ^2/NDF:567919.4/23

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: 230.929+/-0.027 χ^2/NDF: 1196780.6/45

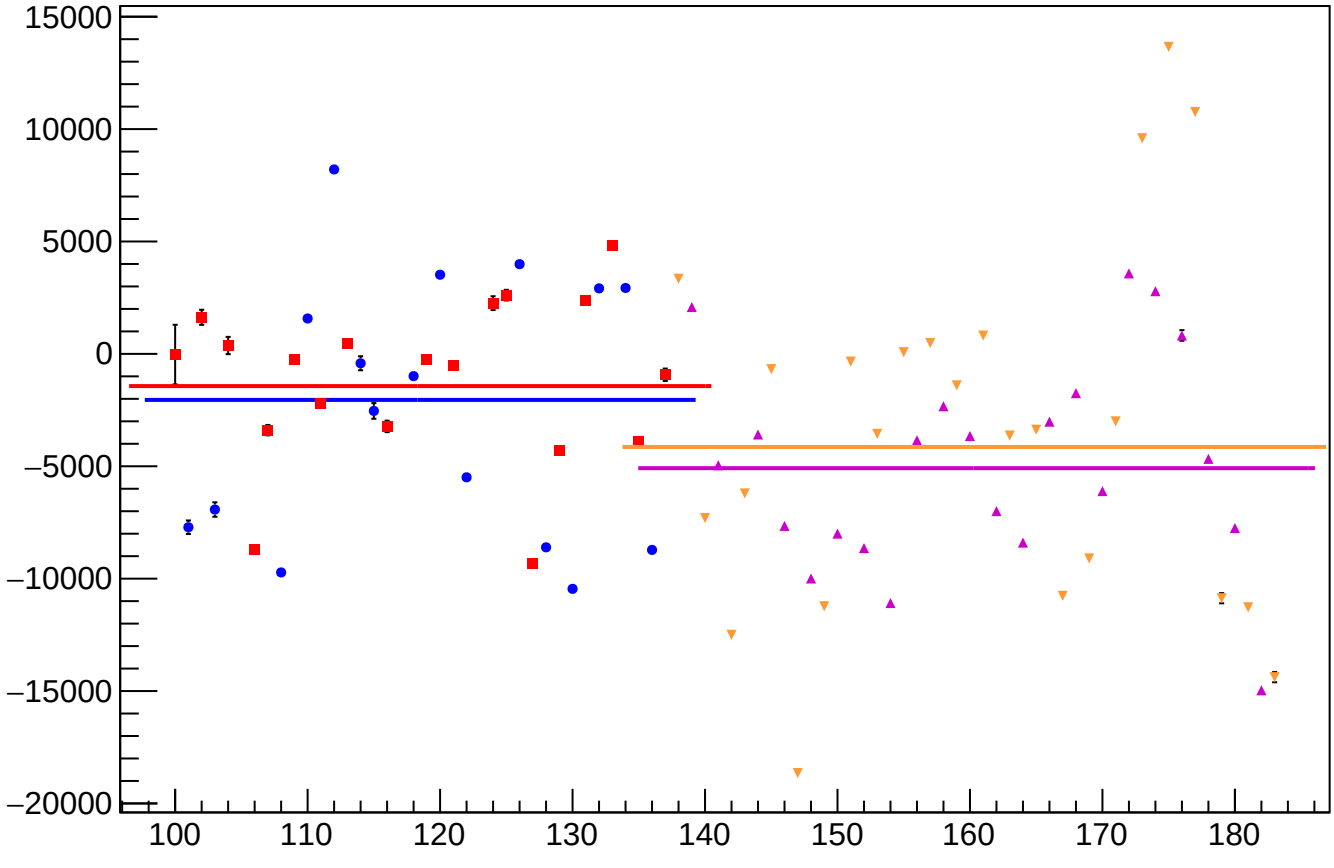
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 224.225+/-0.032 χ^2/NDF:1215271.3/37

Out: 229.706+/-0.032 χ^2/NDF:1647798.7/42

All: 226.971+/-0.023 χ^2/NDF: 2877425.1/80

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4141.075+/-30.925 χ^2/NDF:55989.2/23

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: -4595.627+/-22.267 χ^2/NDF: 73830.9/45

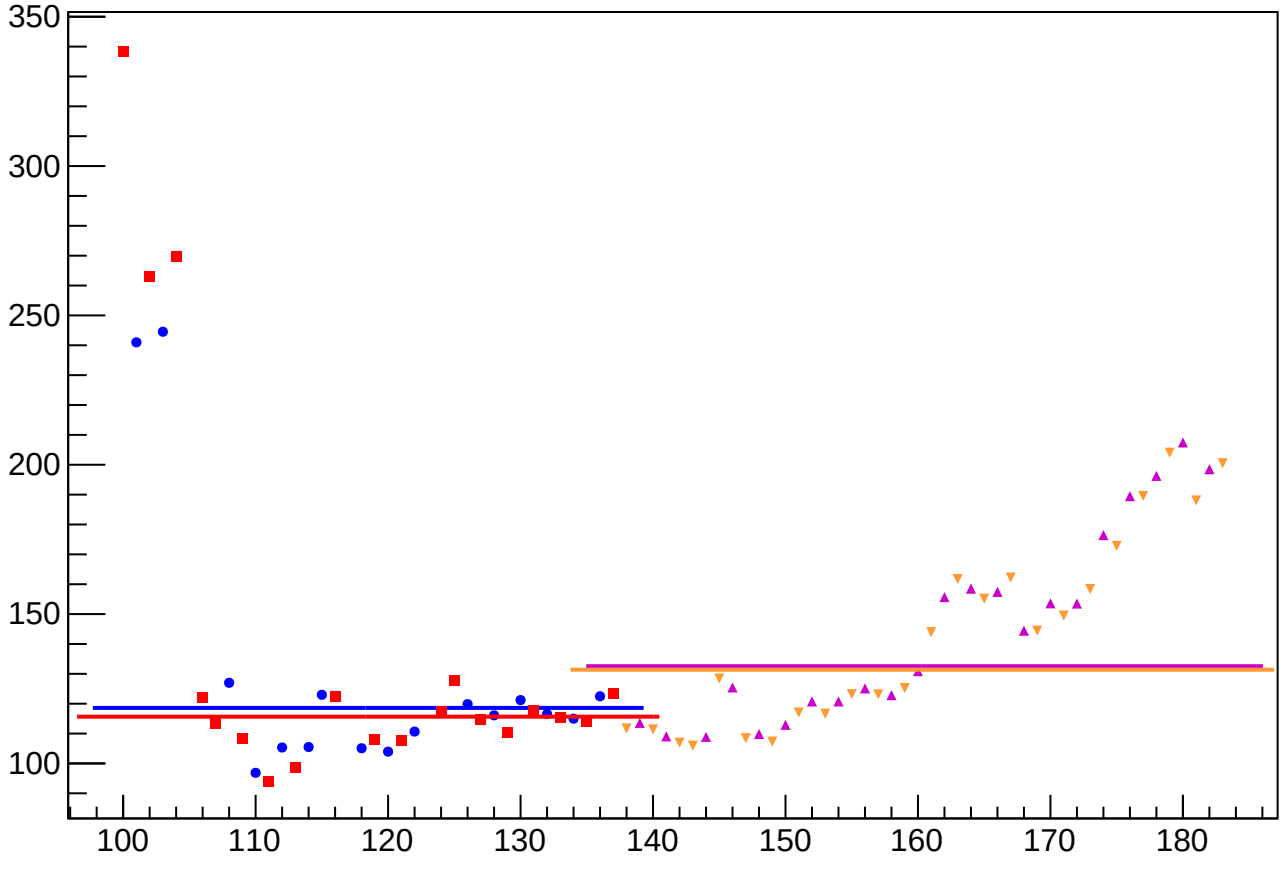
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4111.425+/-26.450 χ^2/NDF:36974.6/37

Out: -3265.228+/-25.437 χ^2/NDF:64857.3/42

All: -3671.807+/-18.334 χ^2/NDF: 102363.6/8

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 131.379+/-0.022 χ^2/NDF:1485245.7/23

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 132.559+/-0.023 χ^2/NDF:1351638.3/21

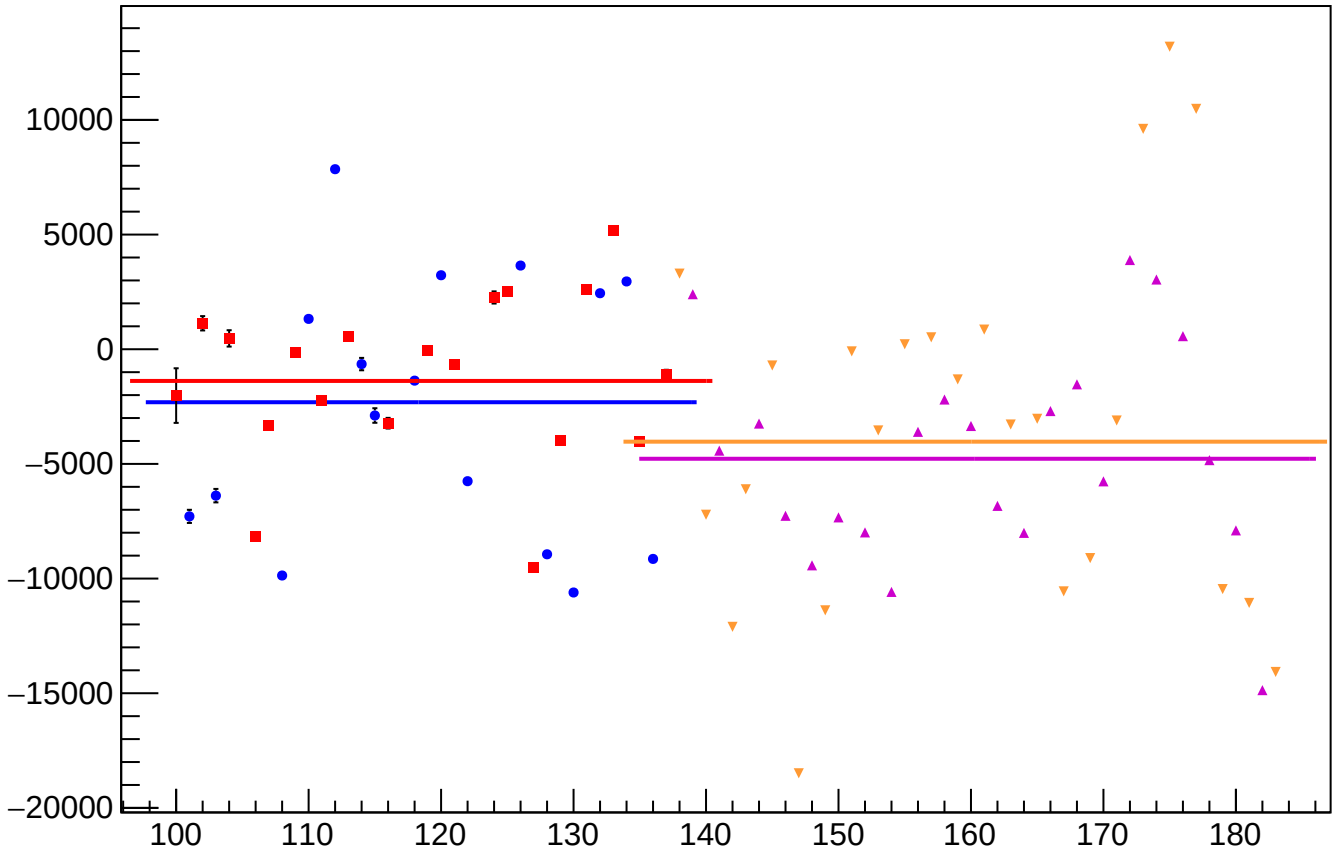
Left: 131.947+/-0.016 χ^2/NDF: 2838288.2/45

Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 128.084+/-0.019 χ^2/NDF:2207182.9/37

Out: 126.295+/-0.018 χ^2/NDF:2516569.5/42

All: 127.155+/-0.013 χ^2/NDF: 4728506.7/80



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4030.517+/-27.857 χ^2/NDF:65283.9/23

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -4775.838+/-28.915 χ^2/NDF:20473.0/21

Left: -4389.289+/-20.061 χ^2/NDF: 86101.5/45

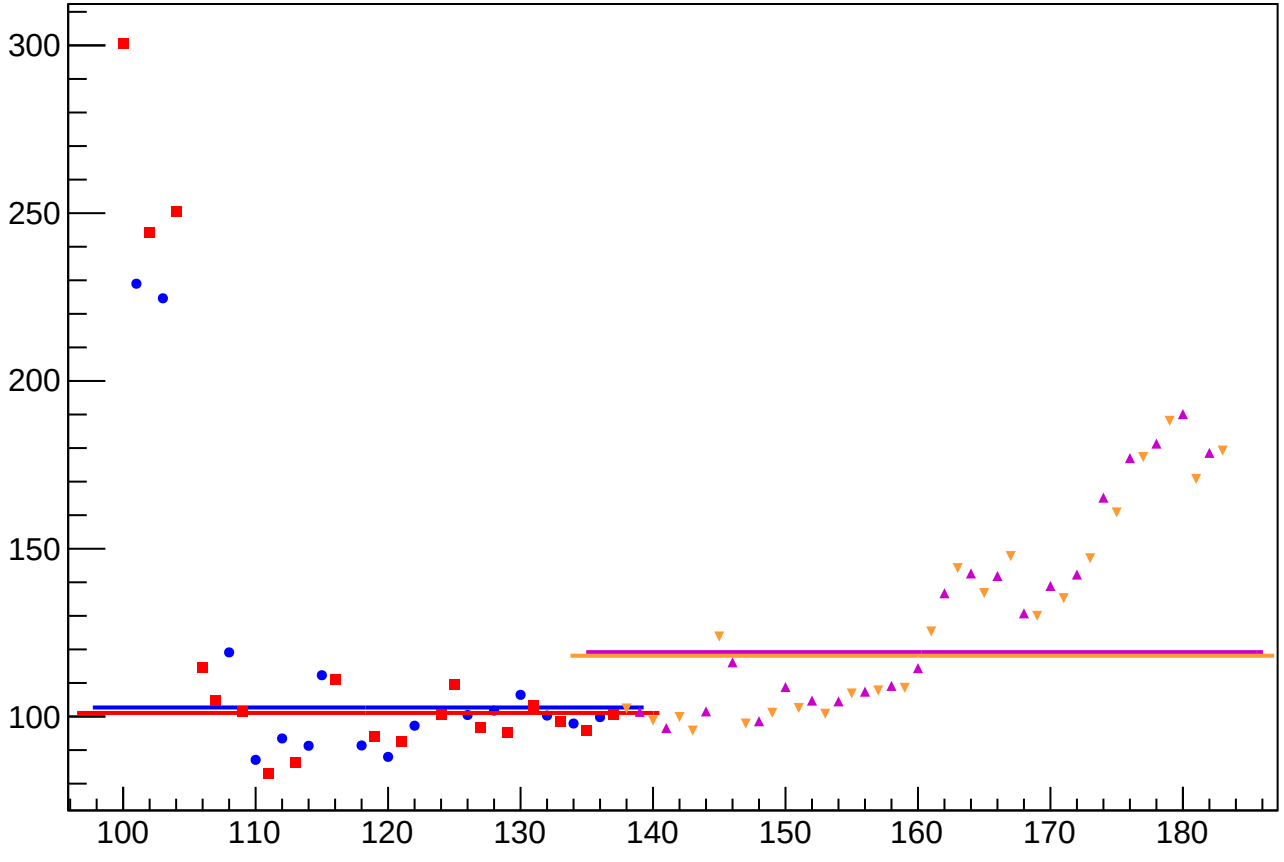
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -3949.856+/-23.578 χ^2/NDF:44588.0/37

Out: -3146.141+/-22.735 χ^2/NDF:76881.0/42

All: -3533.357+/-16.366 χ^2/NDF: 122071.1/8

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 118.120+/-0.020 χ^2/NDF:1565521.7/23

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 119.191+/-0.020 χ^2/NDF:1444983.6/21

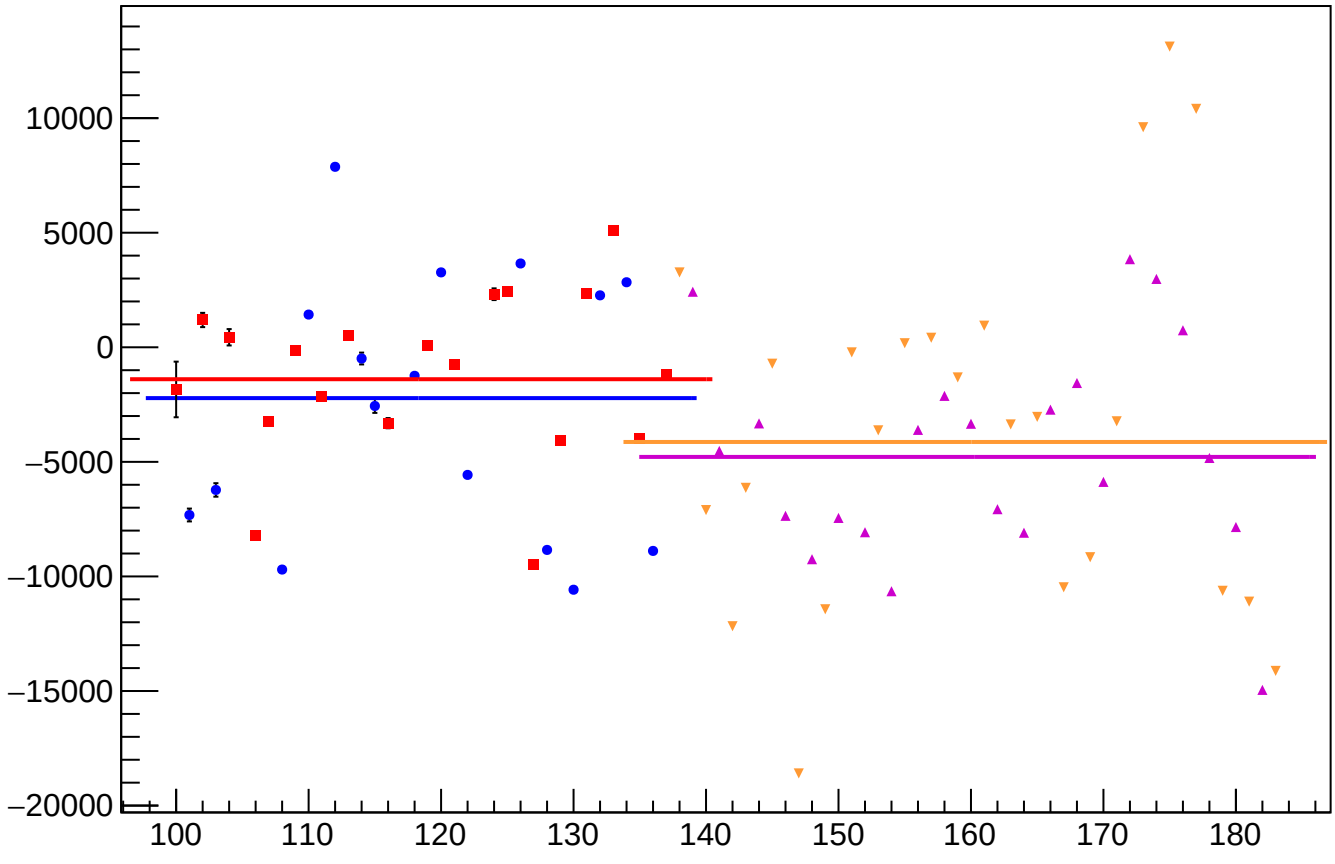
Left: 118.635+/-0.014 χ^2/NDF: 3011928.3/45

Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 113.663+/-0.017 χ^2/NDF:2488909.4/37

Out: 112.424+/-0.016 χ^2/NDF:2746367.9/42

All: 113.021+/-0.012 χ^2/NDF: 5238141.1/80



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4131.771+/-27.290 χ^2/NDF:69422.1/23

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: -4446.179+/-19.644 χ^2/NDF: 91212.1/45

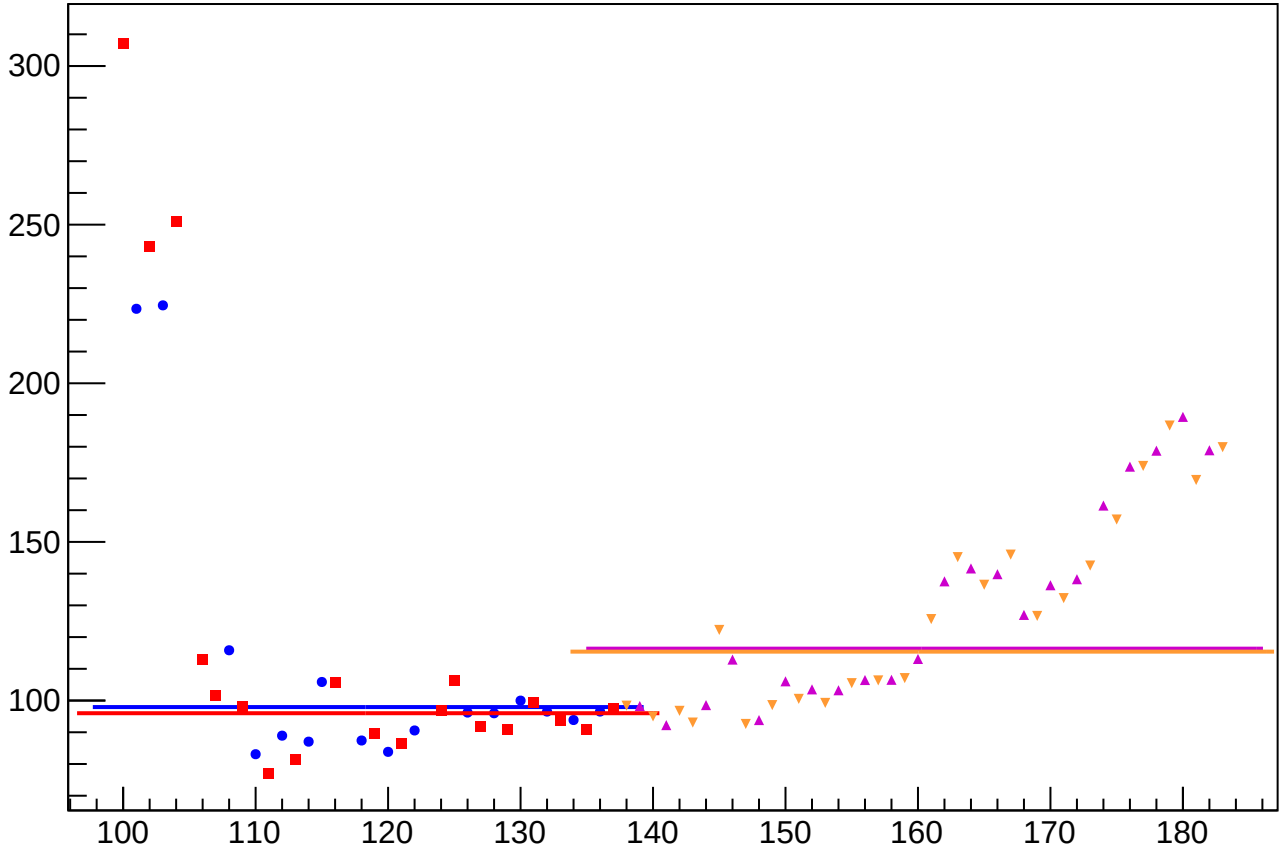
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3900.276+/-22.913 χ^2/NDF:47387.9/37

Out: -3186.330+/-22.082 χ^2/NDF:82050.2/42

All: -3530.127+/-15.900 χ^2/NDF: 129941.5/8

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 115.415+/-0.019 χ^2/NDF:1681403.5/23

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 116.353+/-0.020 χ^2/NDF:1543691.0/21

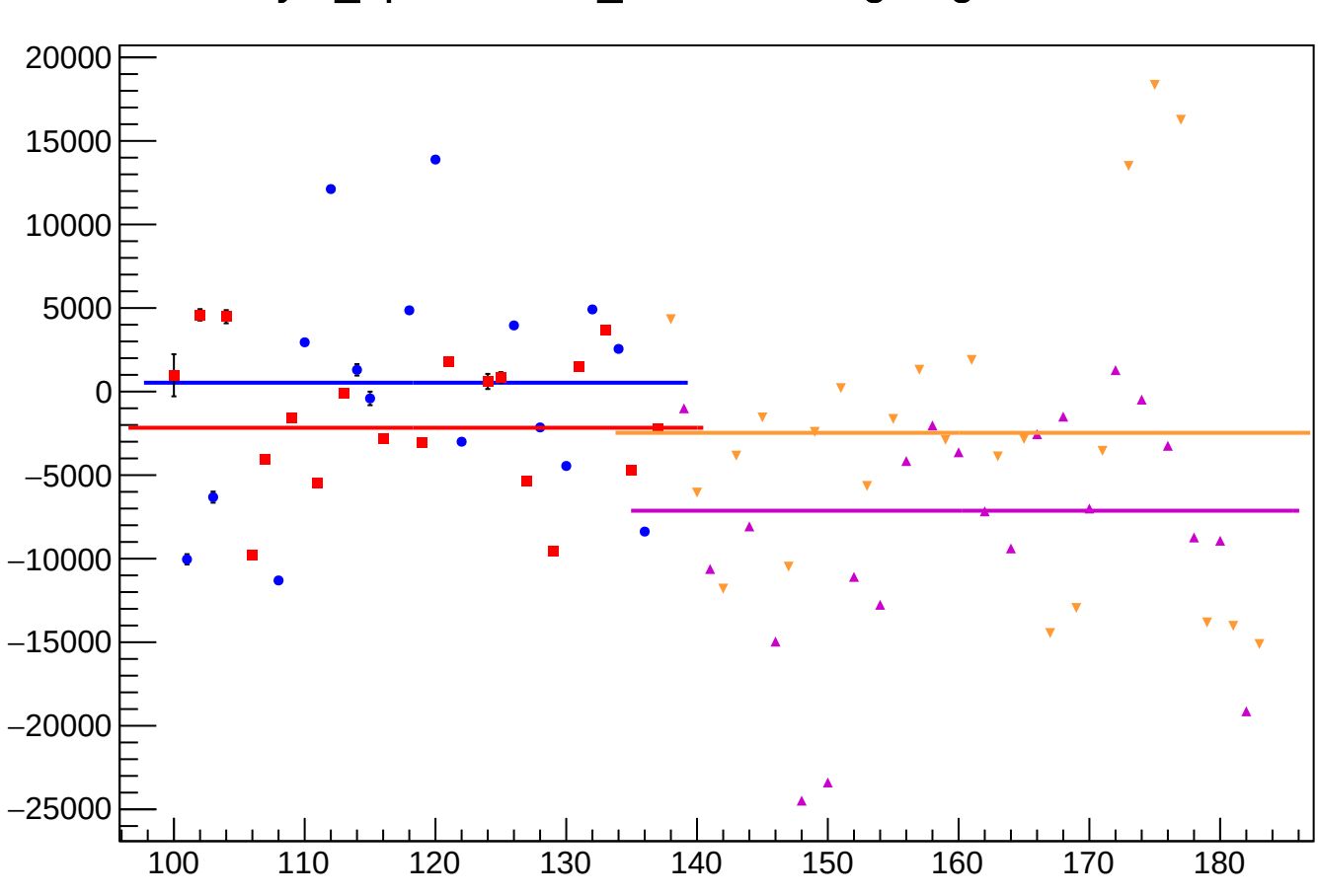
Left: 115.867+/-0.014 χ^2/NDF: 3226233.8/45

Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

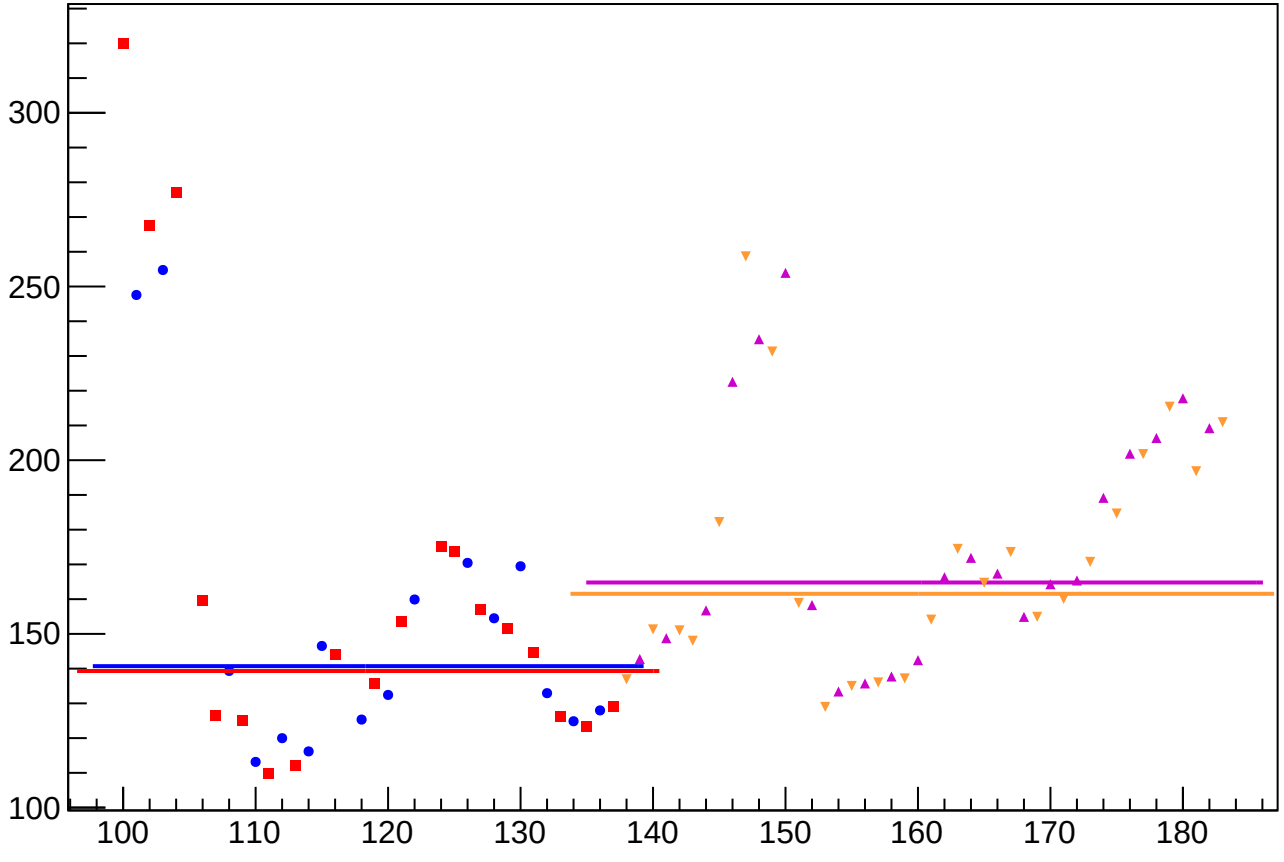
In: 110.012+/-0.016 χ^2/NDF:2703395.4/37

Out: 108.713+/-0.016 χ^2/NDF:3043026.0/42

All: 109.338+/-0.011 χ^2/NDF: 5749752.2/80


asym_bpm0i01WS_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 530.568+/-54.855 χ²/NDF: 18587.6/15
Left Out: -2468.939+/-37.797 χ²/NDF:46700.1/23
Right Out: -2164.994+/-53.458 χ²/NDF: 4967.1/18
Left In: -7129.457+/-39.777 χ²/NDF:23002.4/21
Left: -4680.313+/-27.400 χ²/NDF: 76916.7/45
Right: -851.965+/-38.285 χ²/NDF: 24793.2/34
In: -4489.715+/-32.202 χ²/NDF:54370.0/37
Out: -2367.638+/-30.862 χ²/NDF:51688.8/42
All: -3383.613+/-22.281 χ²/NDF: 108322.4/8

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 161.544+/-0.027 χ^2/NDF:1115340.6/23

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: 163.086+/-0.019 χ^2/NDF: 2272859.9/45

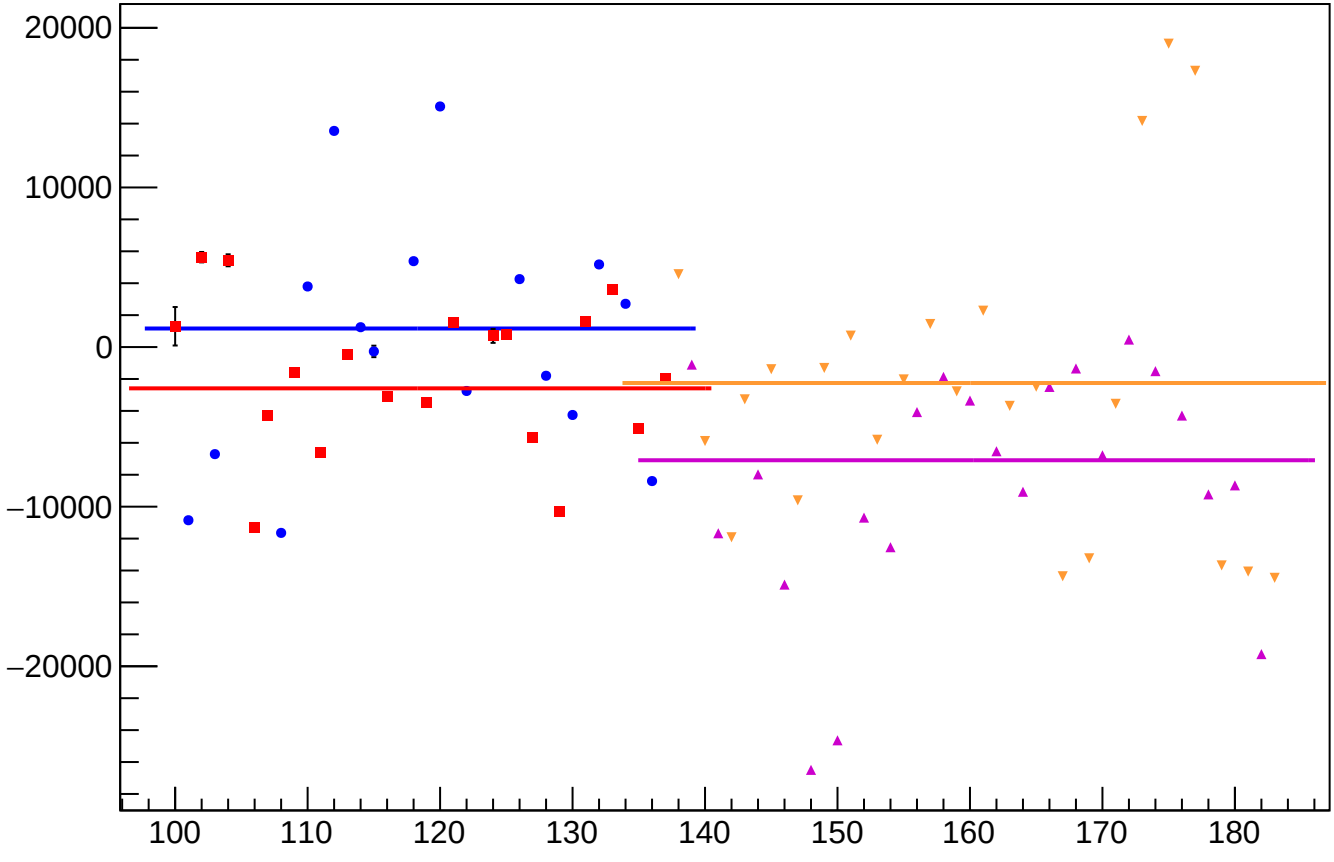
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 156.497+/-0.023 χ^2/NDF:2078695.5/37

Out: 154.136+/-0.022 χ^2/NDF:2148171.2/42

All: 155.266+/-0.016 χ^2/NDF: 4232469.2/80

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2251.859+/-33.805 χ^2/NDF:57159.3/23

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: -4541.734+/-24.538 χ^2/NDF: 95315.4/45

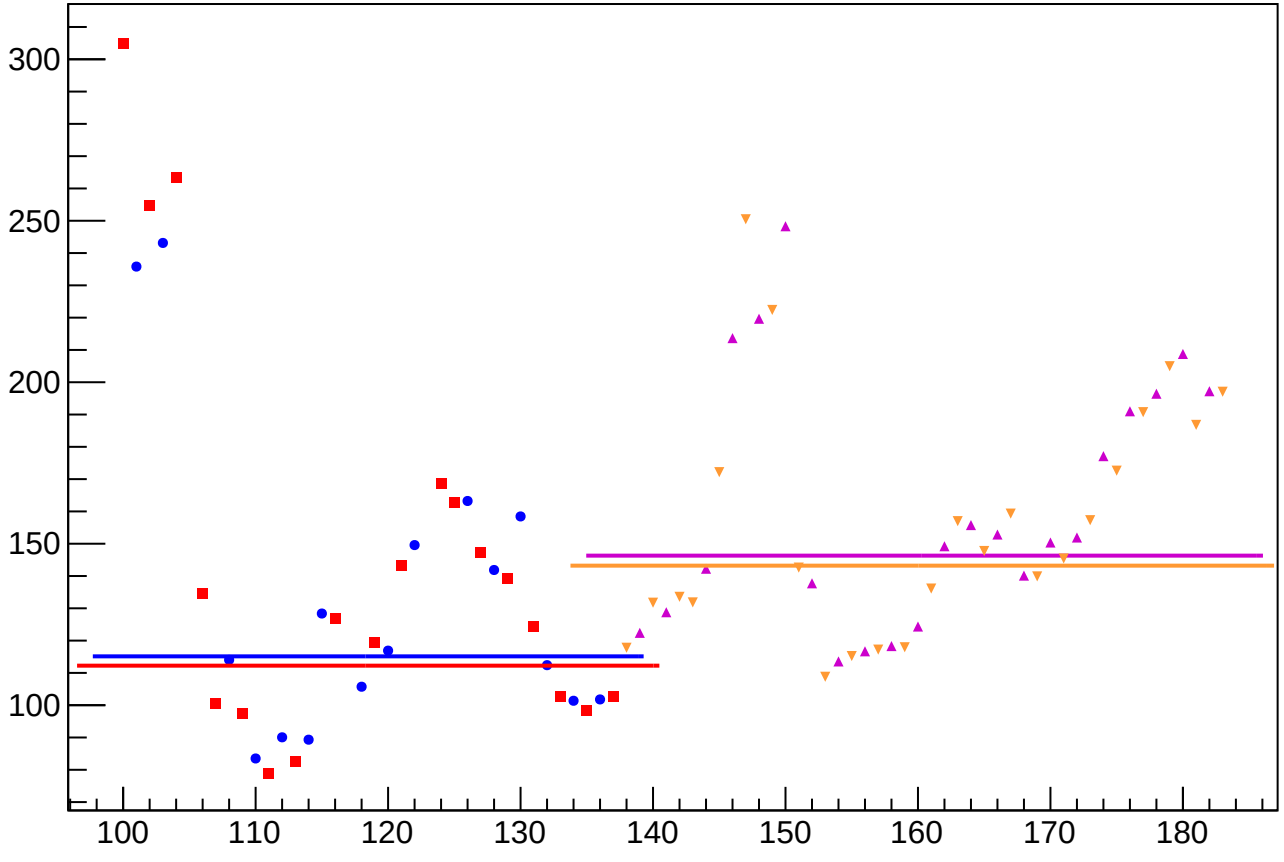
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3985.777+/-28.173 χ^2/NDF:79359.4/37

Out: -2375.258+/-26.864 χ^2/NDF:65295.2/42

All: -3142.236+/-19.442 χ^2/NDF: 146366.1/8

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 143.209+/-0.024 χ^2/NDF:1622337.9/23

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: 144.676+/-0.017 χ^2/NDF: 3285160.0/45

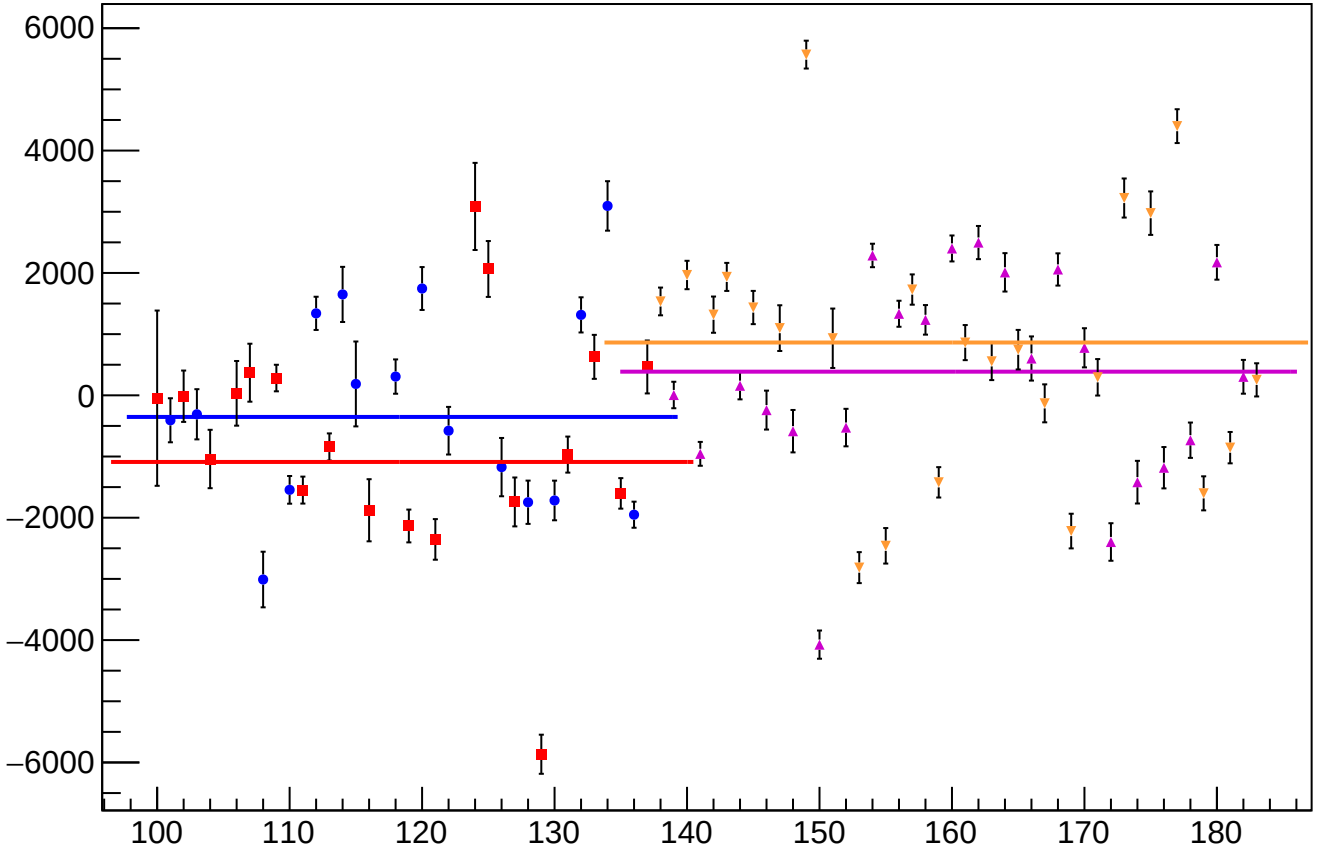
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 134.577+/-0.020 χ^2/NDF:3342911.8/37

Out: 131.798+/-0.019 χ^2/NDF:3568933.7/42

All: 133.121+/-0.014 χ^2/NDF: 6922031.5/80

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 863.294+/-56.638 χ^2/NDF:1441.9/23

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: 620.078+/-39.635 χ^2/NDF: 2459.6/45

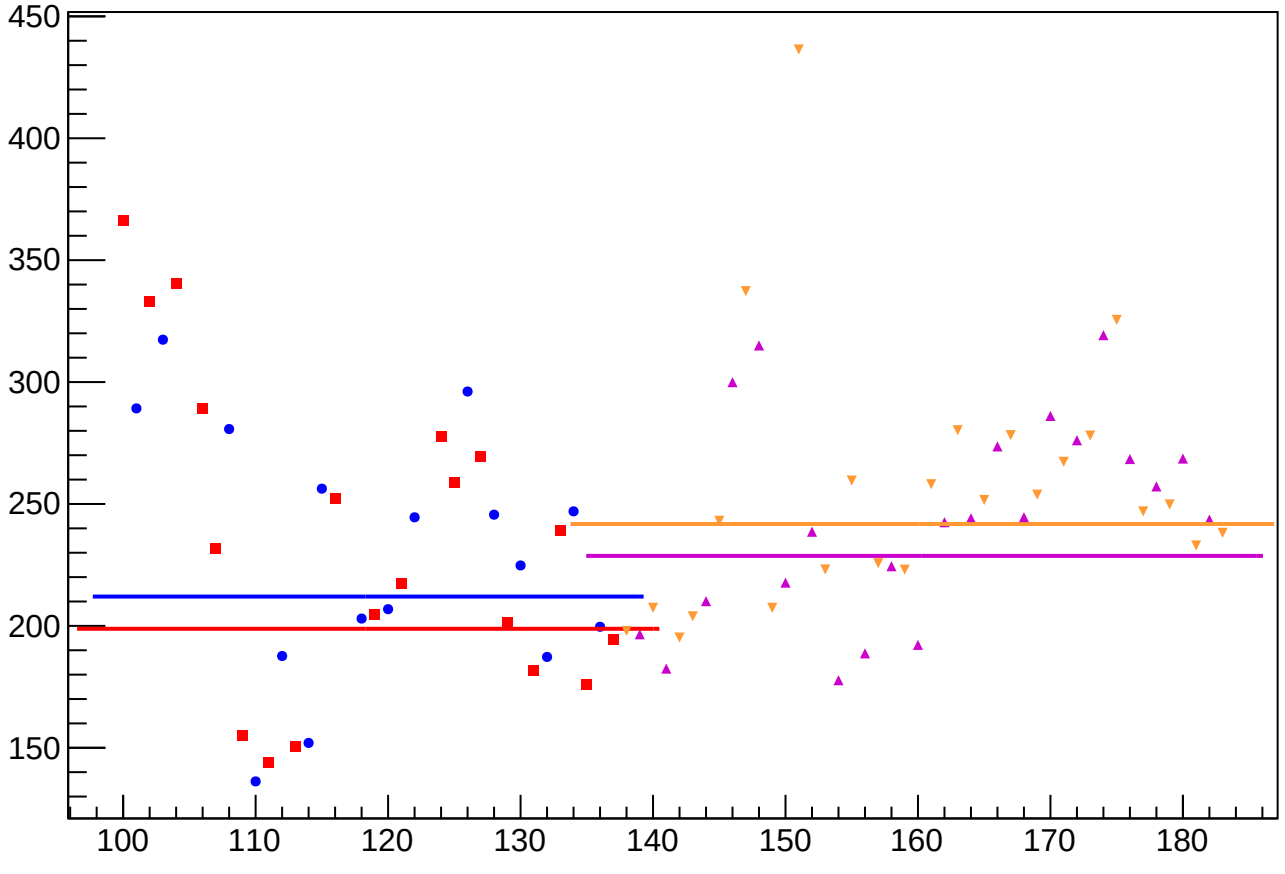
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 154.844+/-45.978 χ^2/NDF:1399.1/37

Out: 171.492+/-45.508 χ^2/NDF:2310.0/42

All: 163.254+/-32.344 χ^2/NDF: 3709.1/80

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 241.787+/-0.040 χ^2/NDF:986317.3/23

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: 235.115+/-0.028 χ^2/NDF: 2101747.9/45

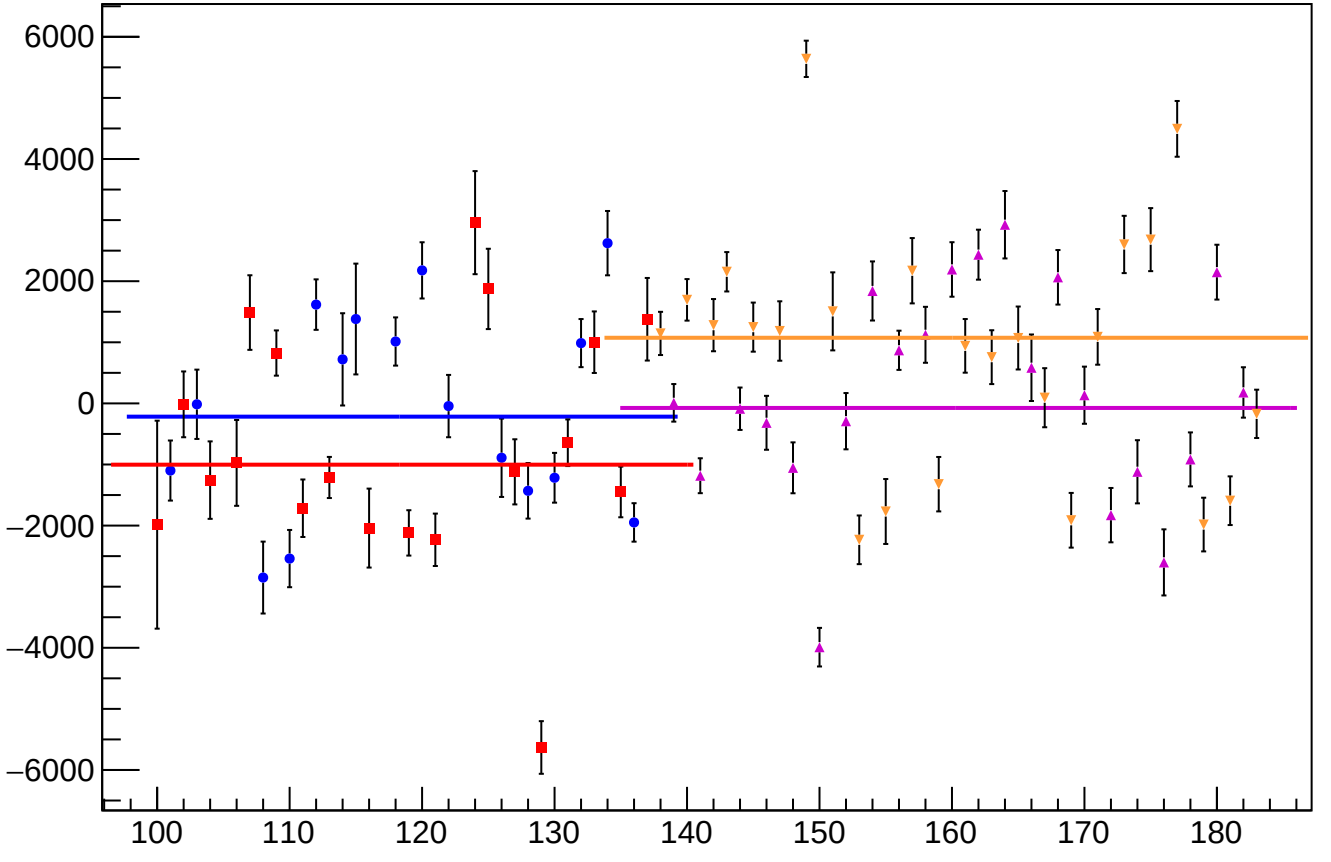
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 223.484+/-0.033 χ^2/NDF:1808063.6/37

Out: 226.556+/-0.032 χ^2/NDF:2369366.4/42

All: 225.035+/-0.023 χ^2/NDF: 4181940.1/80

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1074.144+/-86.550 χ^2/NDF:610.8/23

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: 505.377+/-61.494 χ^2/NDF: 1091.7/45

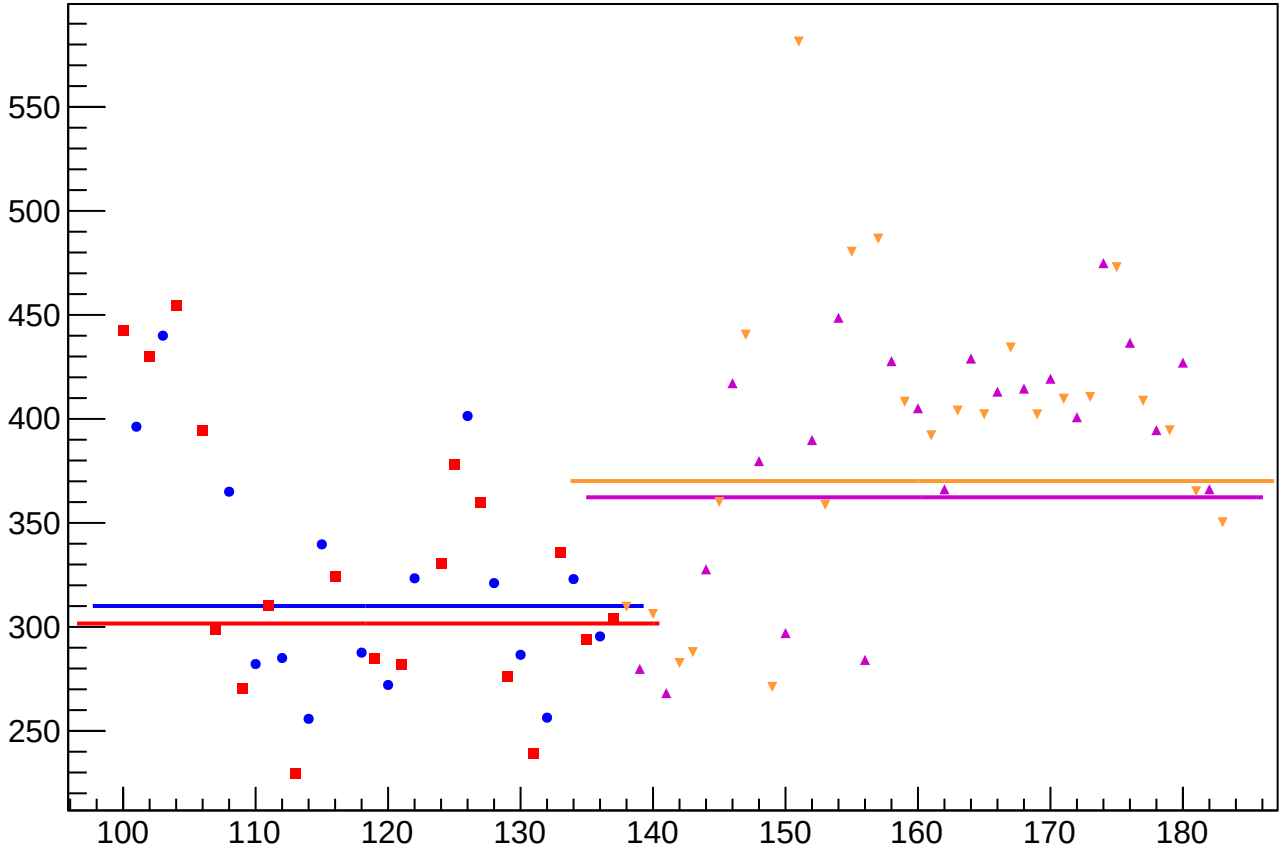
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -124.990+/-70.203 χ^2/NDF:586.8/37

Out: 307.069+/-68.736 χ^2/NDF:1077.8/42

All: 95.601+/-49.114 χ^2/NDF: 1684.0/80

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 370.135+/-0.061 χ^2/NDF:1229507.5/23

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: 366.262+/-0.043 χ^2/NDF: 2290979.9/45

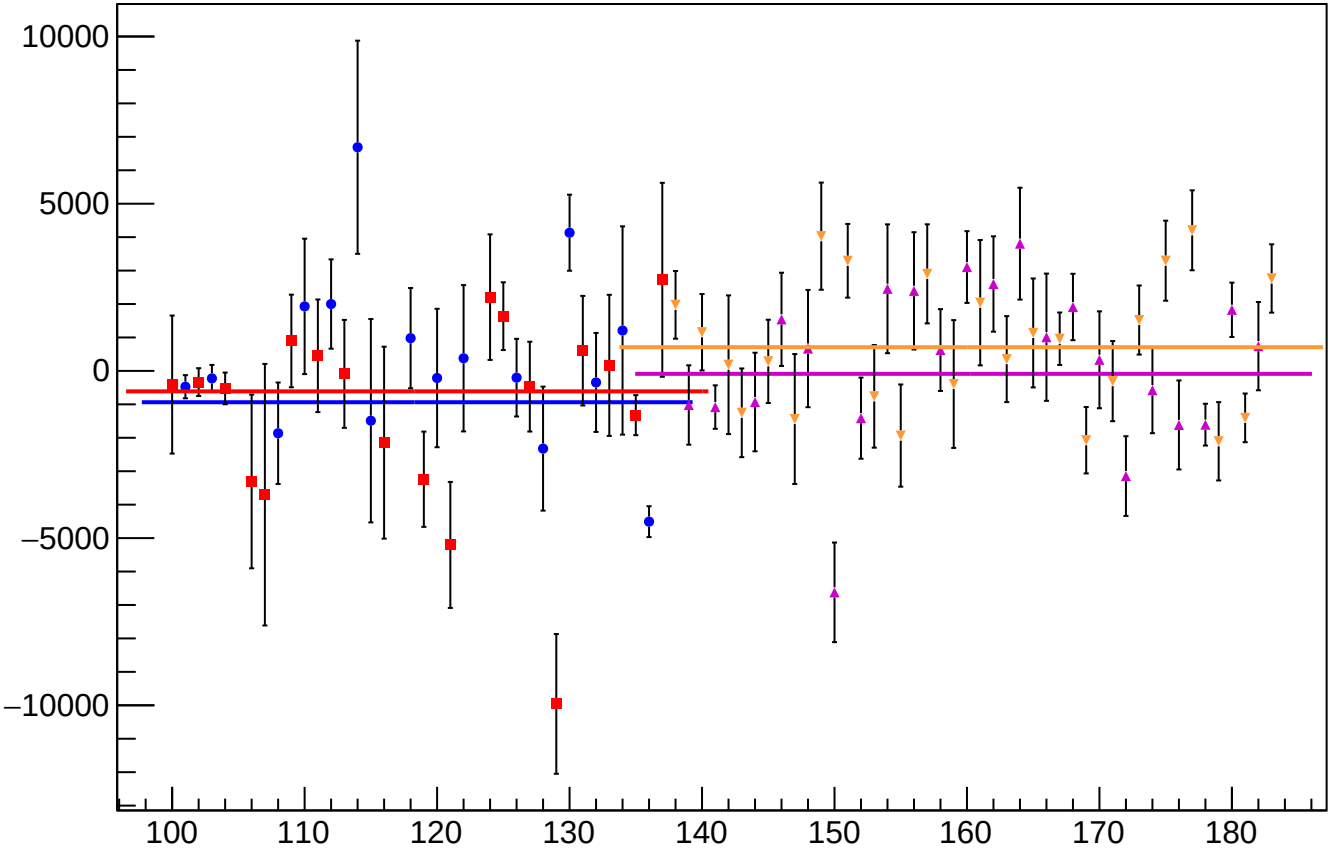
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 343.783+/-0.050 χ^2/NDF:1630235.2/37

Out: 344.840+/-0.049 χ^2/NDF:2212005.0/42

All: 344.323+/-0.035 χ^2/NDF: 3842471.7/80

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 709.466+/-244.272 χ^2/NDF:62.9/23

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: 310.591+/-172.674 χ^2/NDF: 139.8/45

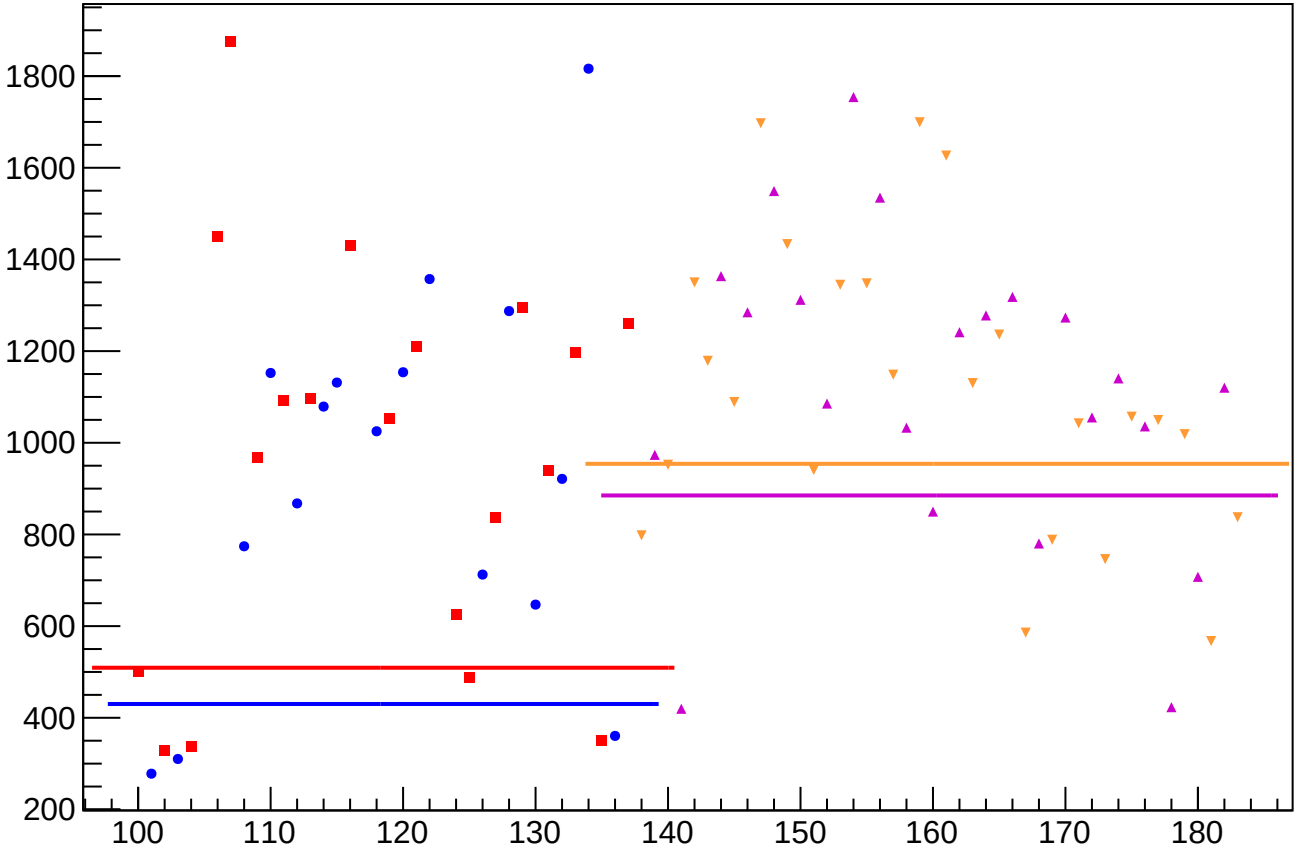
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -586.357+/-156.862 χ^2/NDF:179.9/37

Out: 18.122+/-168.655 χ^2/NDF:122.4/42

All: -305.987+/-114.861 χ^2/NDF: 309.1/80

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 954.119+/-0.173 χ^2/NDF:2841190.5/23

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: 919.580+/-0.122 χ^2/NDF: 7453810.3/45

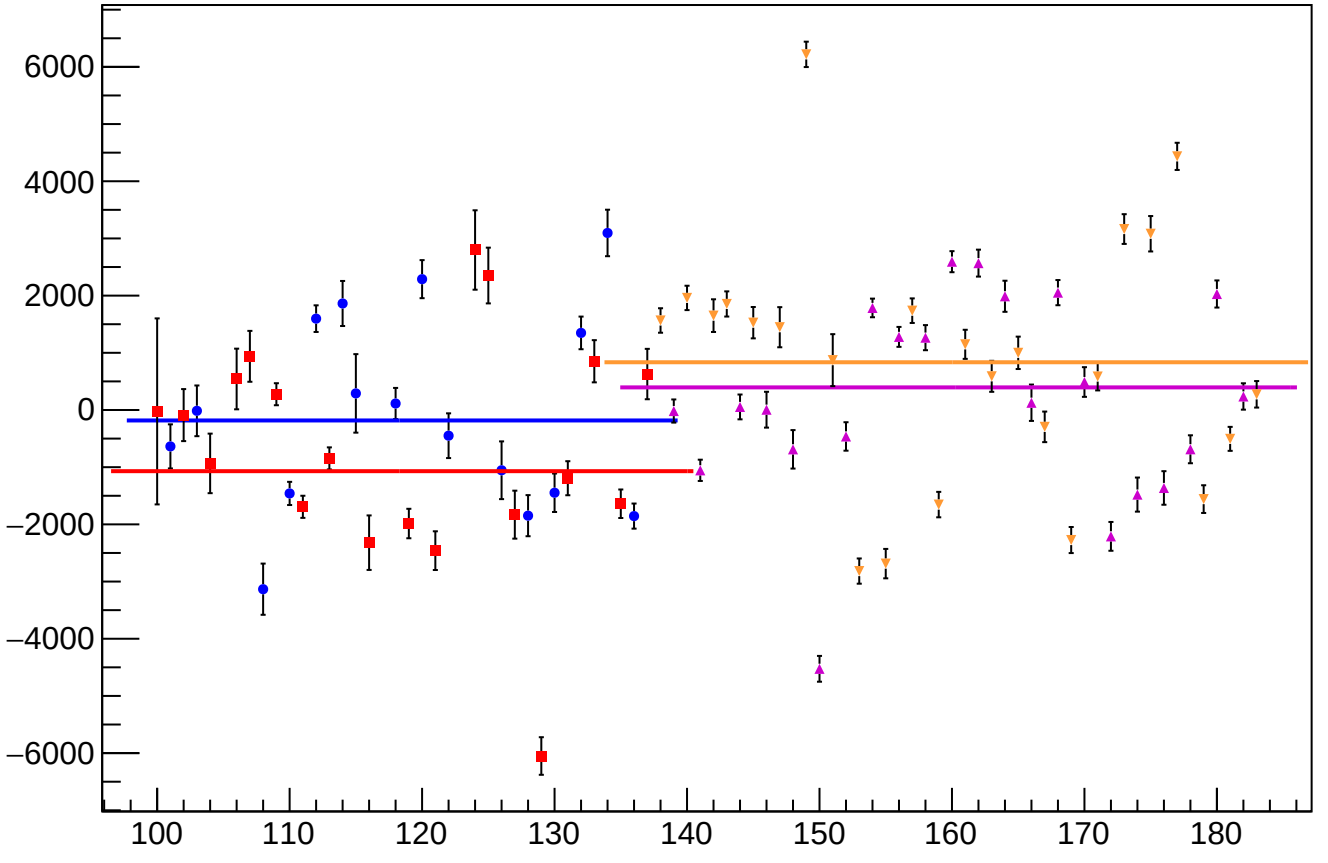
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 617.957+/-0.111 χ^2/NDF:12133187.2/37

Out: 721.314+/-0.119 χ^2/NDF:9986148.6/42

All: 665.896+/-0.081 χ^2/NDF: 22522068.2/80

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 834.808+/-50.385 χ^2/NDF:1985.8/23

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: 608.202+/-35.070 χ^2/NDF: 3275.5/45

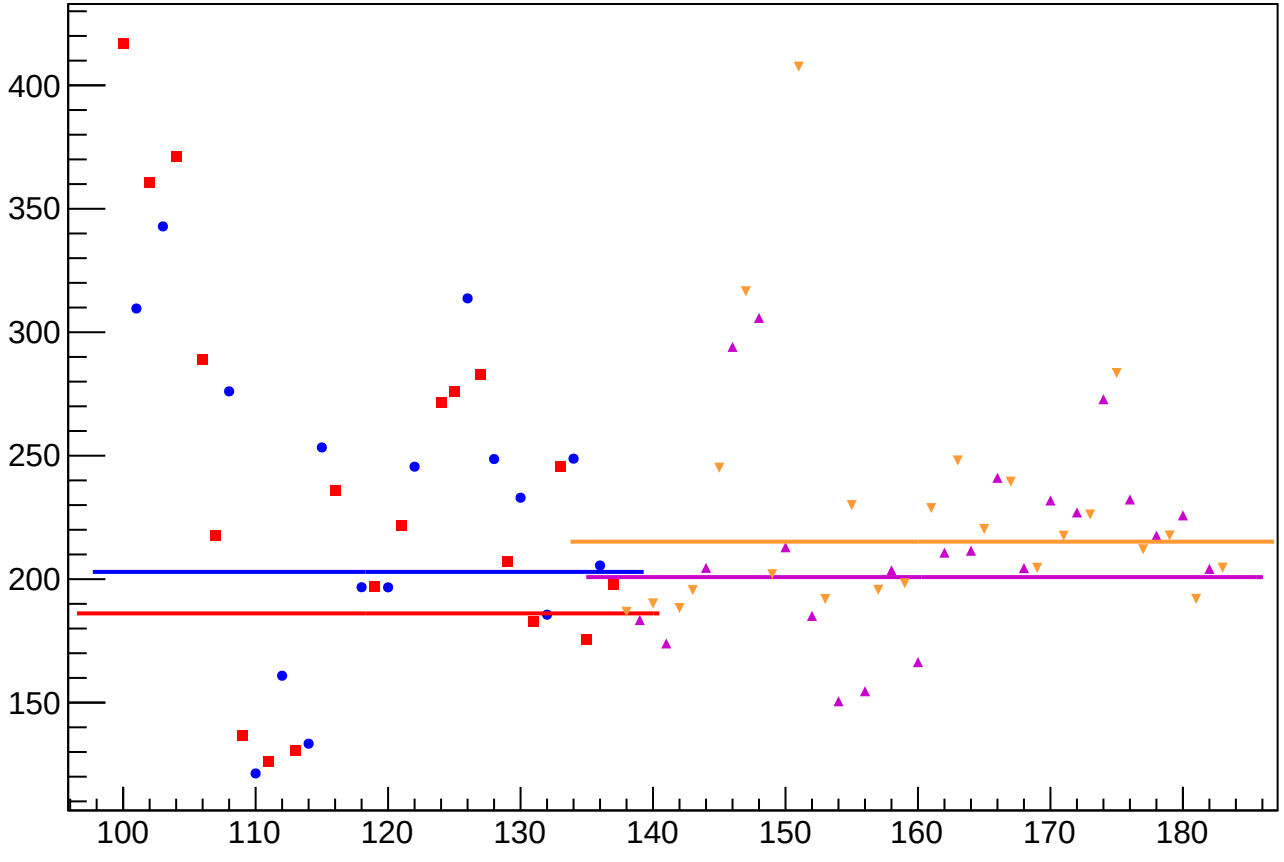
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 237.821+/-41.669 χ^2/NDF:1706.4/37

Out: 220.969+/-41.478 χ^2/NDF:2938.5/42

All: 229.356+/-29.397 χ^2/NDF: 4645.0/80

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 215.180+/-0.036 χ^2/NDF:896584.6/23

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: 207.781+/-0.025 χ^2/NDF: 2085672.1/45

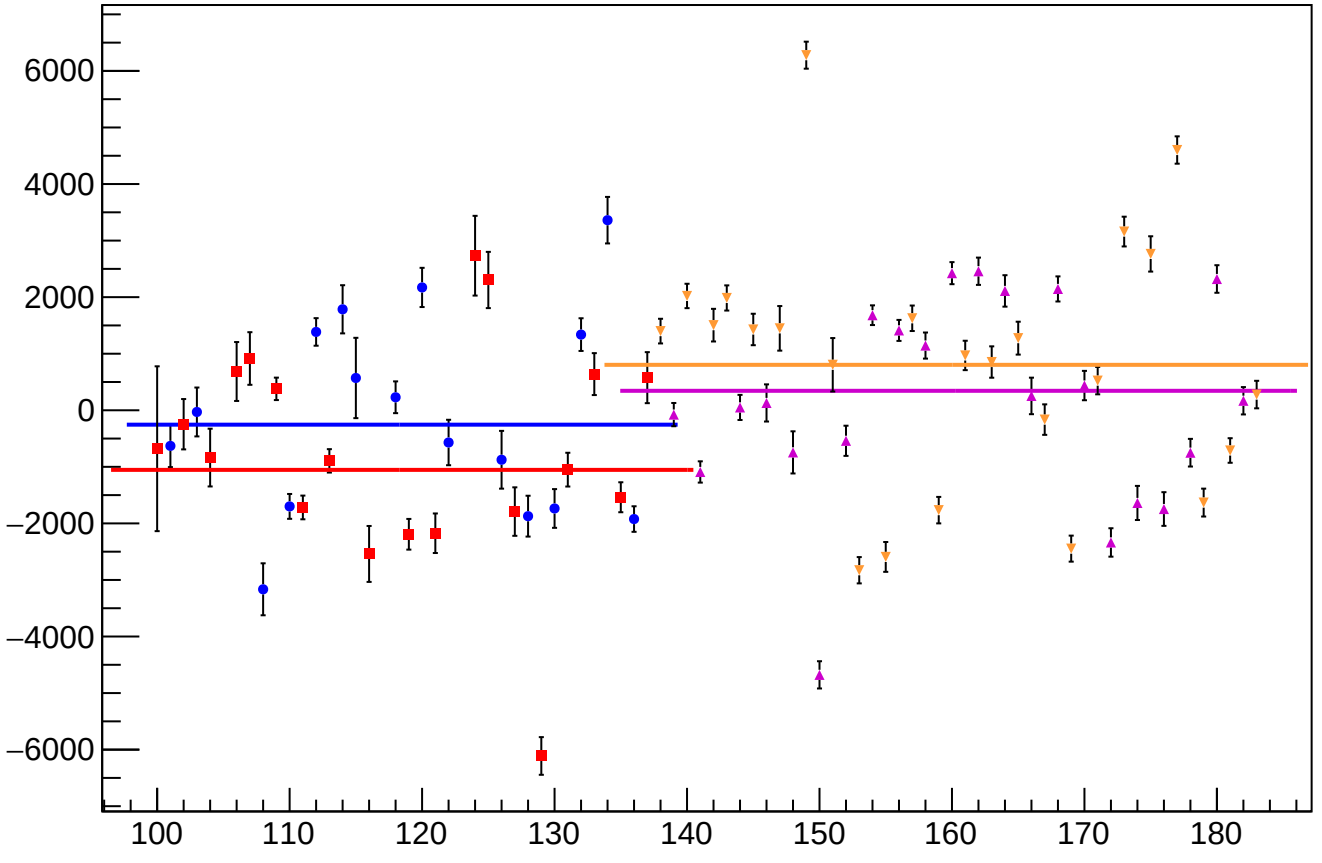
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 201.402+/-0.029 χ^2/NDF:2178292.7/37

Out: 205.817+/-0.029 χ^2/NDF:2592552.3/42

All: 203.620+/-0.021 χ^2/NDF: 4782120.5/80

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 803.430+/-51.807 χ^2/NDF:1884.3/23

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: 568.380+/-36.197 χ^2/NDF: 3136.8/45

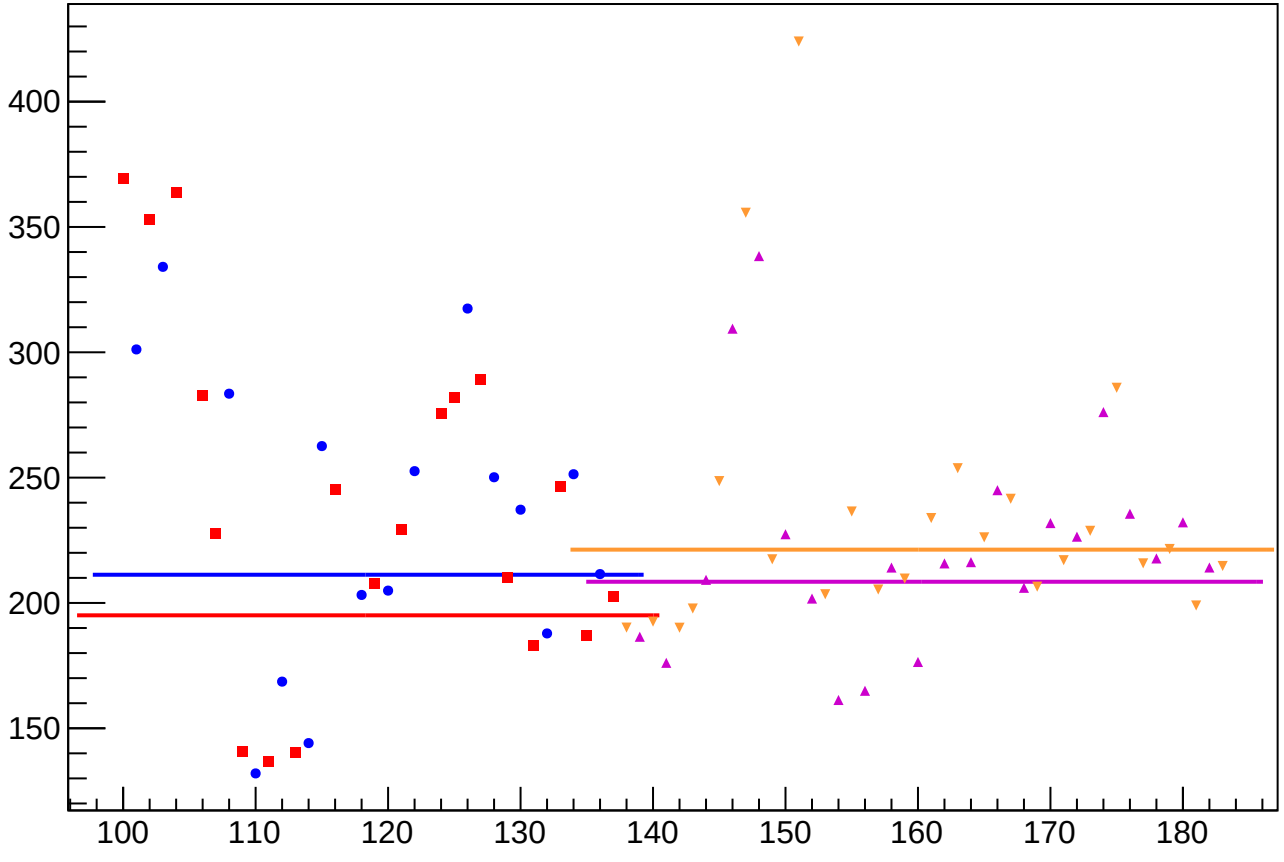
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 180.549+/-43.128 χ^2/NDF:1659.8/37

Out: 213.919+/-42.802 χ^2/NDF:2769.8/42

All: 197.361+/-30.380 χ^2/NDF: 4430.0/80

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 221.267+/-0.037 χ^2/NDF:939183.3/23

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 208.454+/-0.036 χ^2/NDF:1035121.5/21

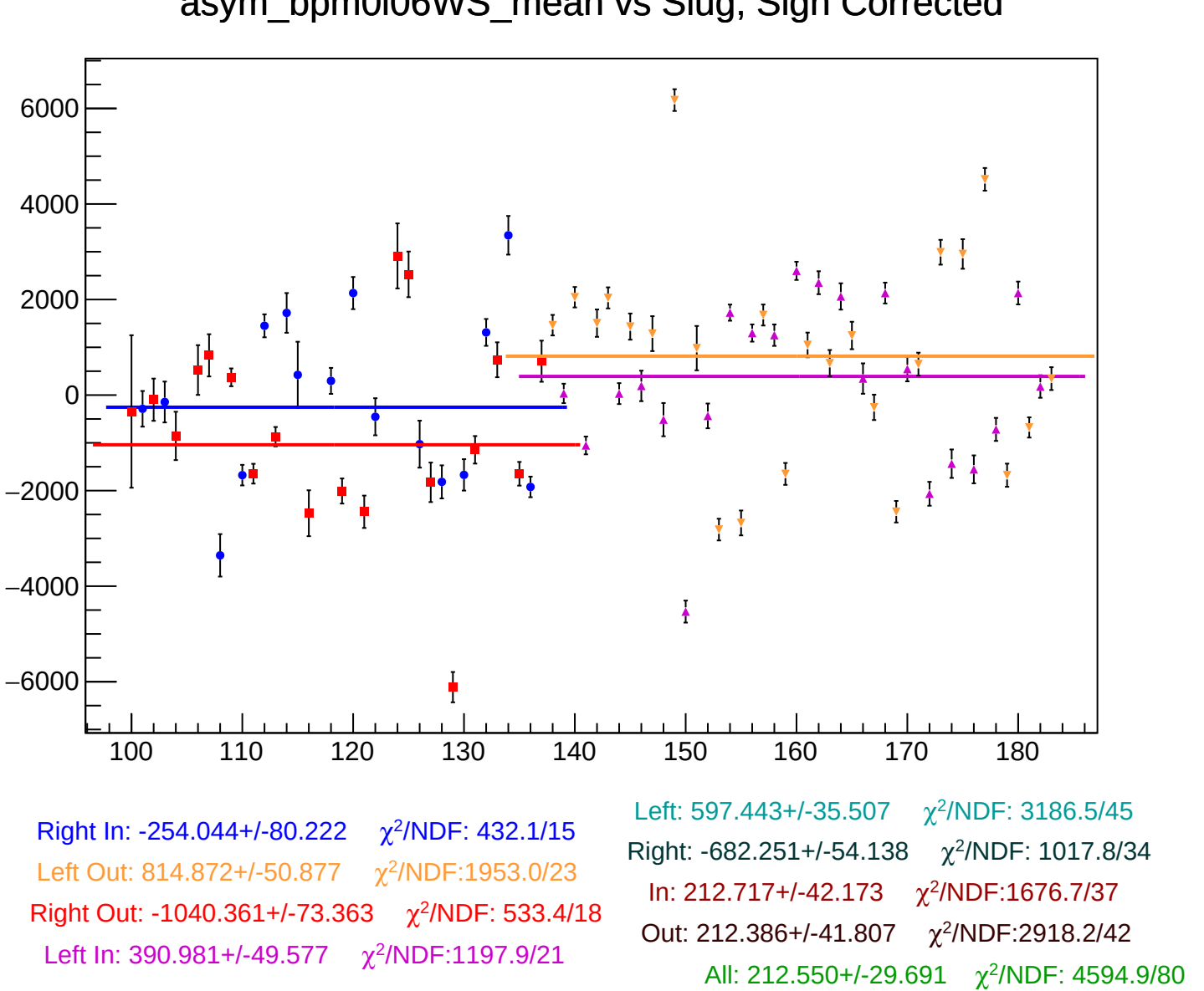
Left: 214.709+/-0.026 χ^2/NDF: 2036918.6/45

Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

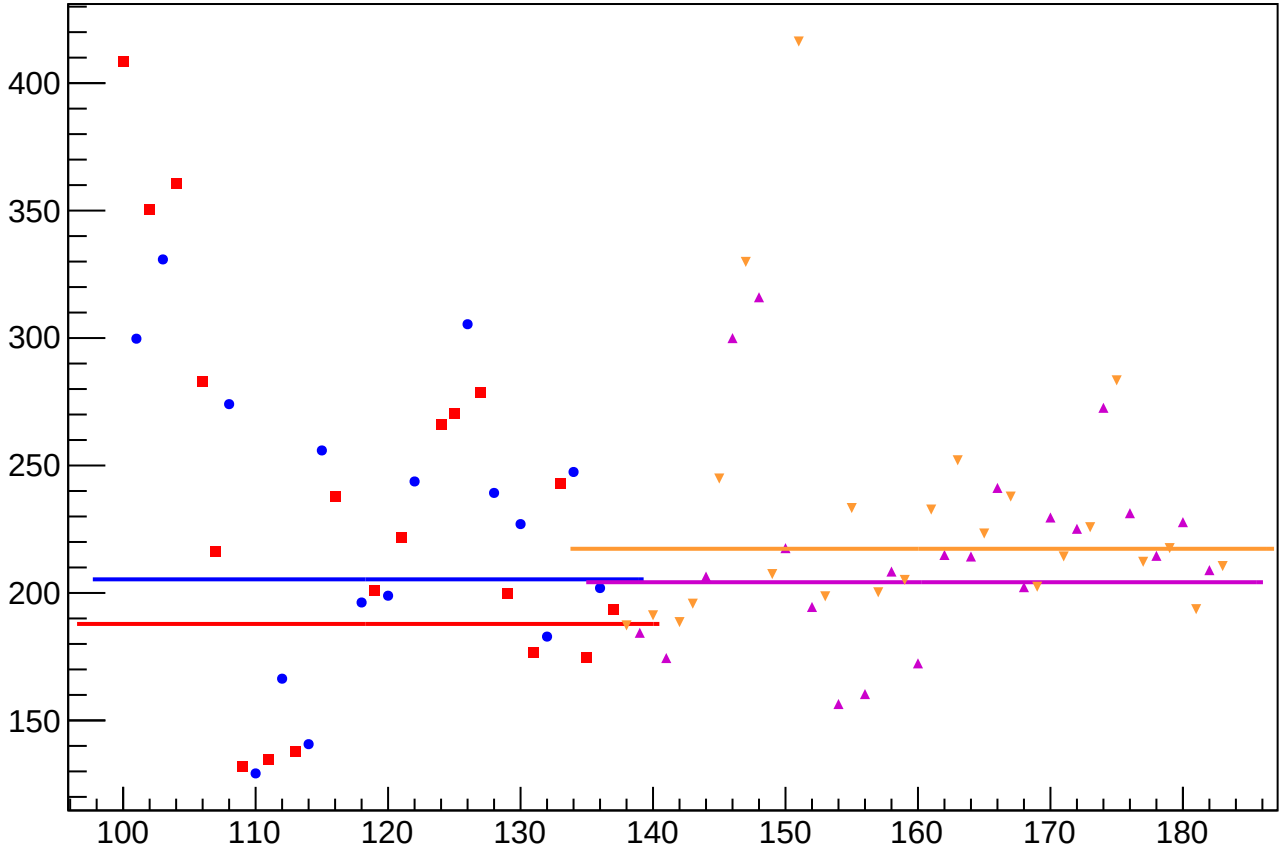
In: 209.219+/-0.030 χ^2/NDF:1921158.8/37

Out: 212.948+/-0.030 χ^2/NDF:2386503.1/42

All: 211.098+/-0.021 χ^2/NDF: 4315195.0/80


asym_bpm0l06WS_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -254.044+/-80.222 χ²/NDF: 432.1/15
Left Out: 814.872+/-50.877 χ²/NDF:1953.0/23
Right Out: -1040.361+/-73.363 χ²/NDF: 533.4/18
Left In: 390.981+/-49.577 χ²/NDF:1197.9/21
Left: 597.443+/-35.507 χ²/NDF: 3186.5/45
Right: -682.251+/-54.138 χ²/NDF: 1017.8/34
In: 212.717+/-42.173 χ²/NDF:1676.7/37
Out: 212.386+/-41.807 χ²/NDF:2918.2/42
All: 212.550+/-29.691 χ²/NDF: 4594.9/80

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 217.333+/-0.036 χ^2/NDF:909834.2/23

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 204.214+/-0.035 χ^2/NDF:1014599.0/21

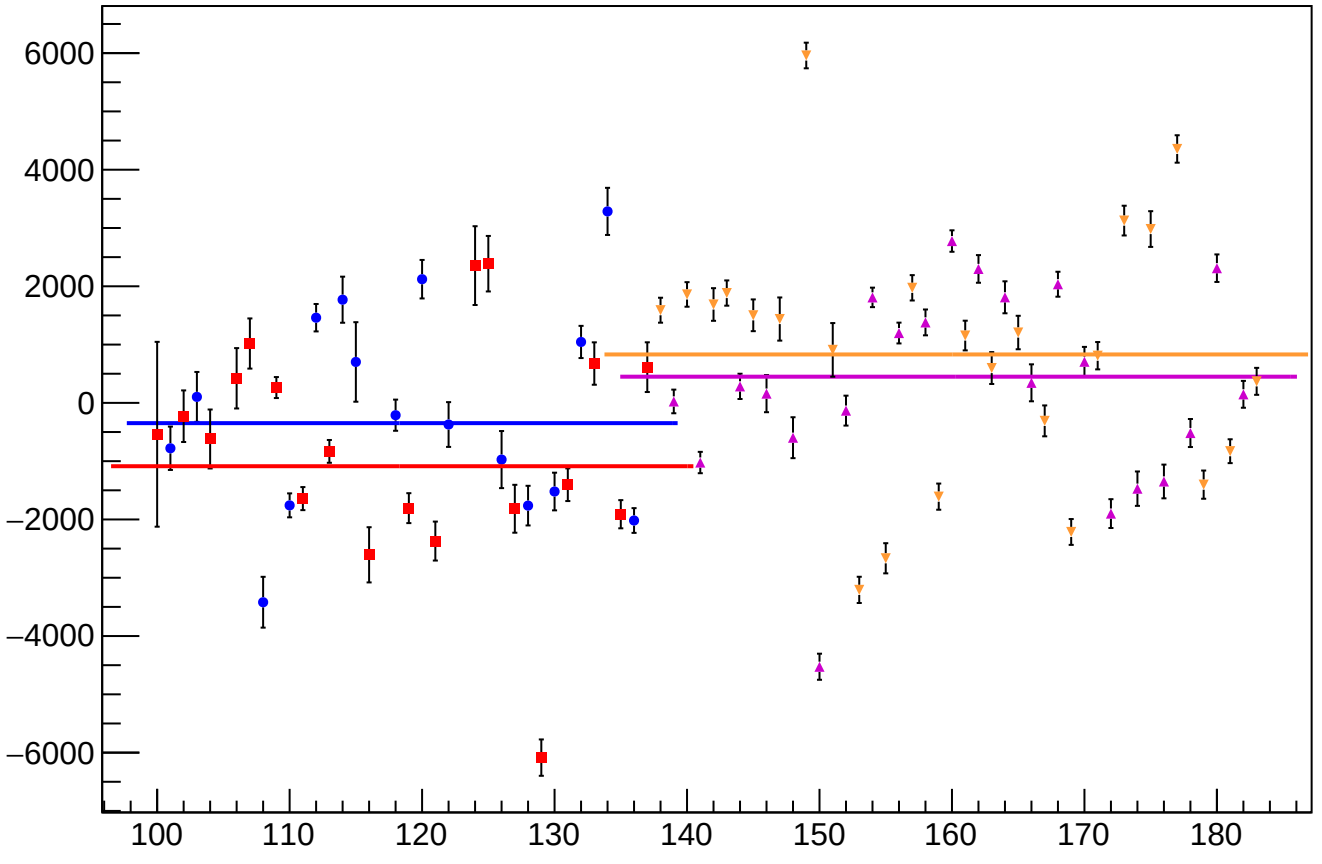
Left: 210.604+/-0.025 χ^2/NDF: 1992640.5/45

Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 204.526+/-0.030 χ^2/NDF:1892283.1/37

Out: 207.758+/-0.030 χ^2/NDF:2465024.4/42

All: 206.156+/-0.021 χ^2/NDF: 4363231.9/80



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 830.803+/-50.148 χ^2/NDF:1993.3/23

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: 635.380+/-35.022 χ^2/NDF: 3255.5/45

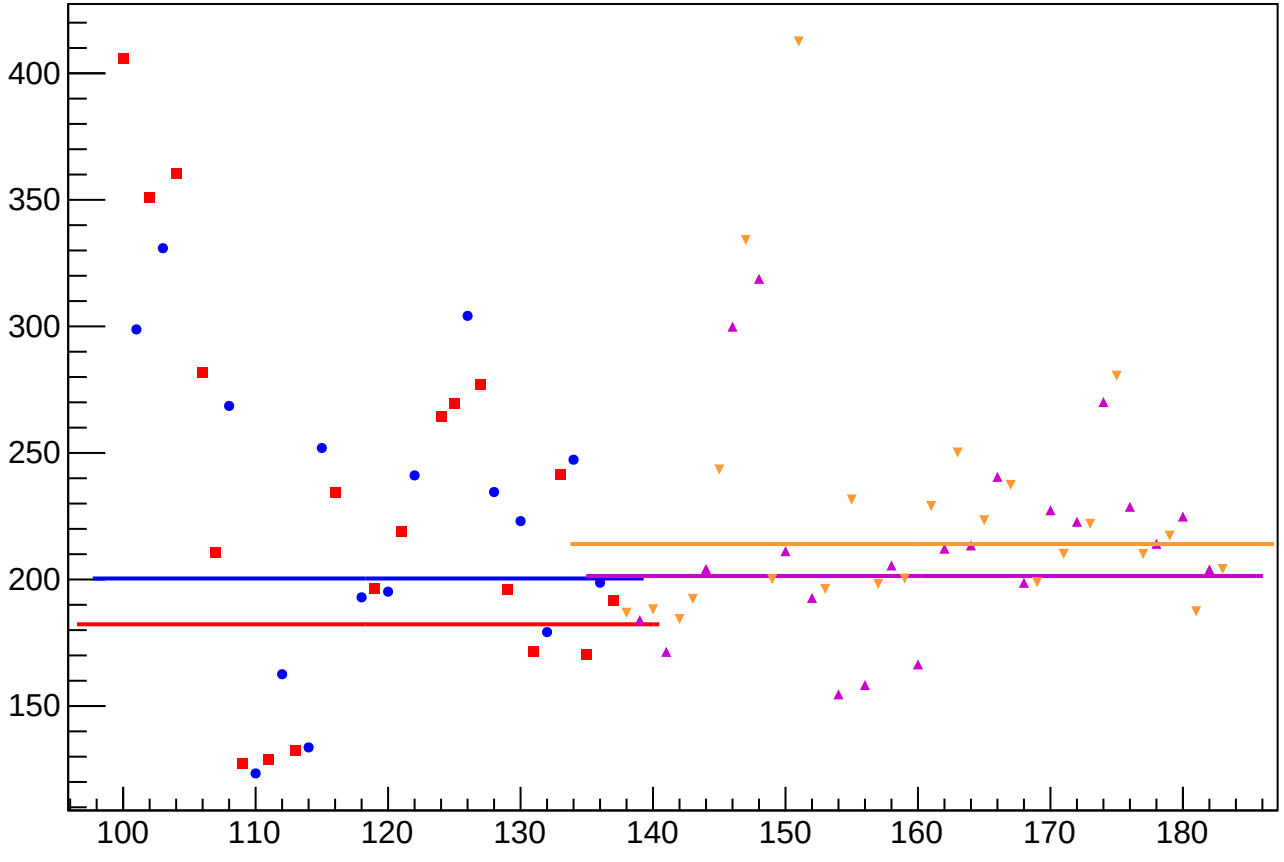
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 226.583+/-41.535 χ^2/NDF:1752.5/37

Out: 199.037+/-41.064 χ^2/NDF:3002.2/42

All: 212.653+/-29.202 χ^2/NDF: 4754.9/80

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 214.006+/-0.035 χ^2/NDF:962292.4/23

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: 207.539+/-0.025 χ^2/NDF: 2088983.9/45

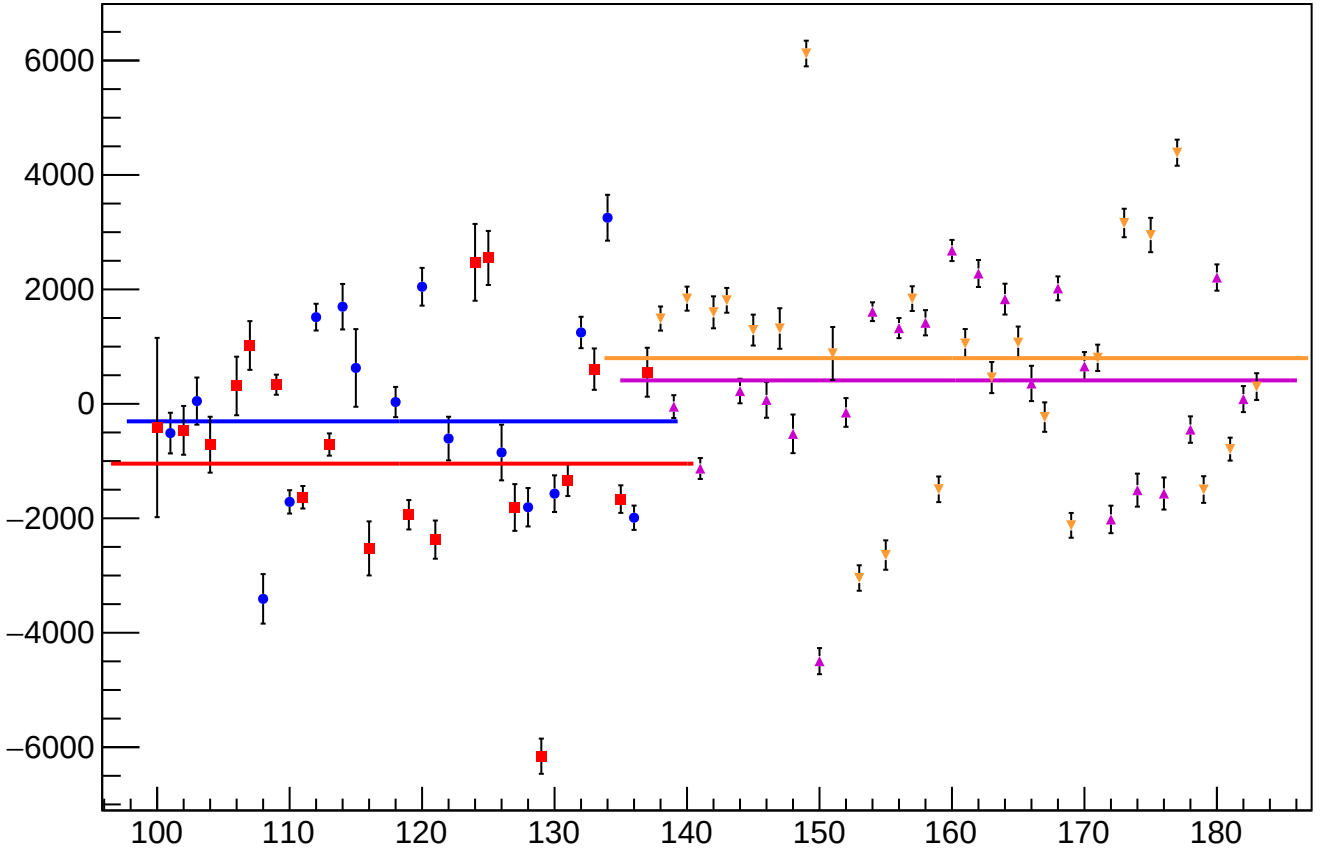
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 201.107+/-0.029 χ^2/NDF:2020991.2/37

Out: 203.560+/-0.029 χ^2/NDF:2672880.8/42

All: 202.348+/-0.021 χ^2/NDF: 4697398.9/80

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 798.797+/-49.561 χ^2/NDF:1993.7/23

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: 598.854+/-34.552 χ^2/NDF: 3254.6/45

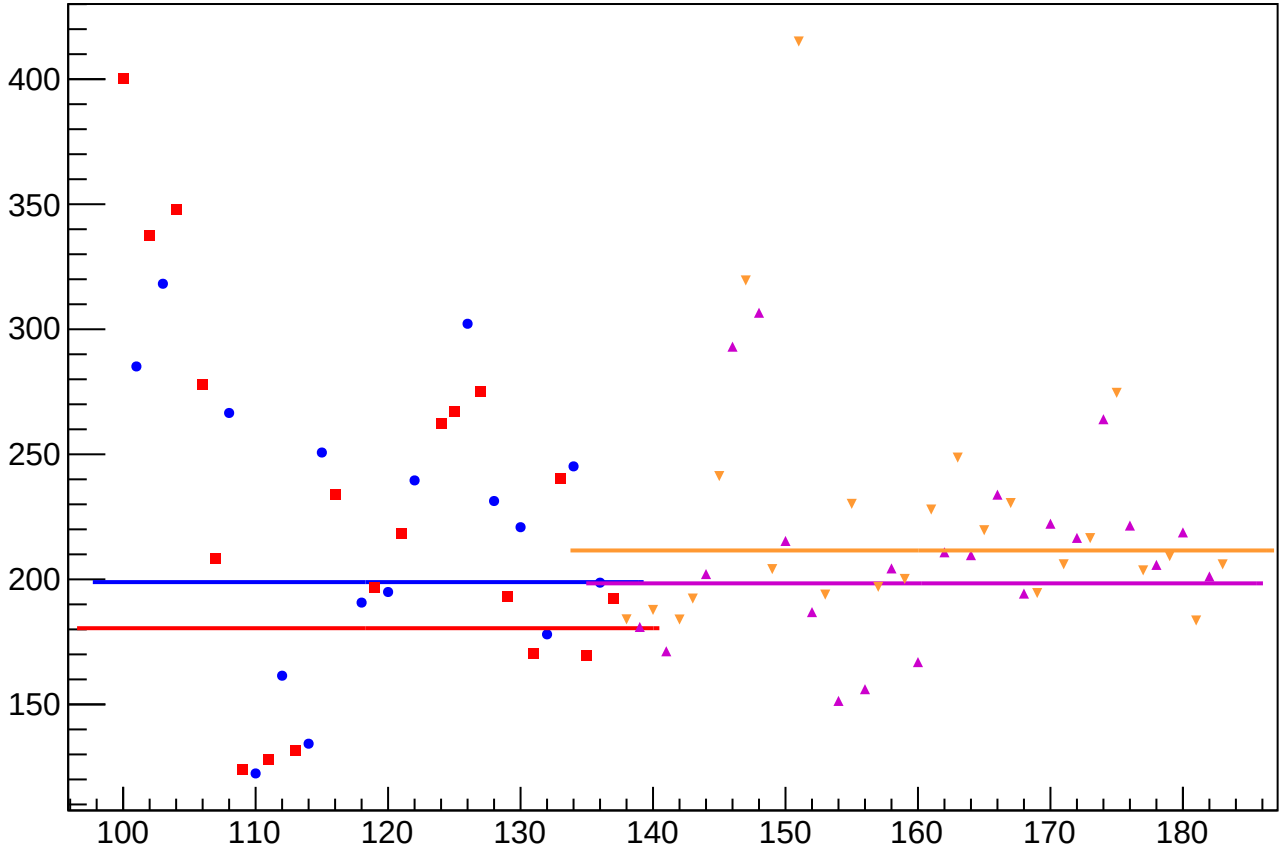
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 211.637+/-40.980 χ^2/NDF:1742.1/37

Out: 192.652+/-40.606 χ^2/NDF:3000.9/42

All: 202.058+/-28.844 χ^2/NDF: 4743.1/80

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 211.556+/-0.035 χ^2/NDF:934772.2/23

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: 204.797+/-0.024 χ^2/NDF: 2012820.5/45

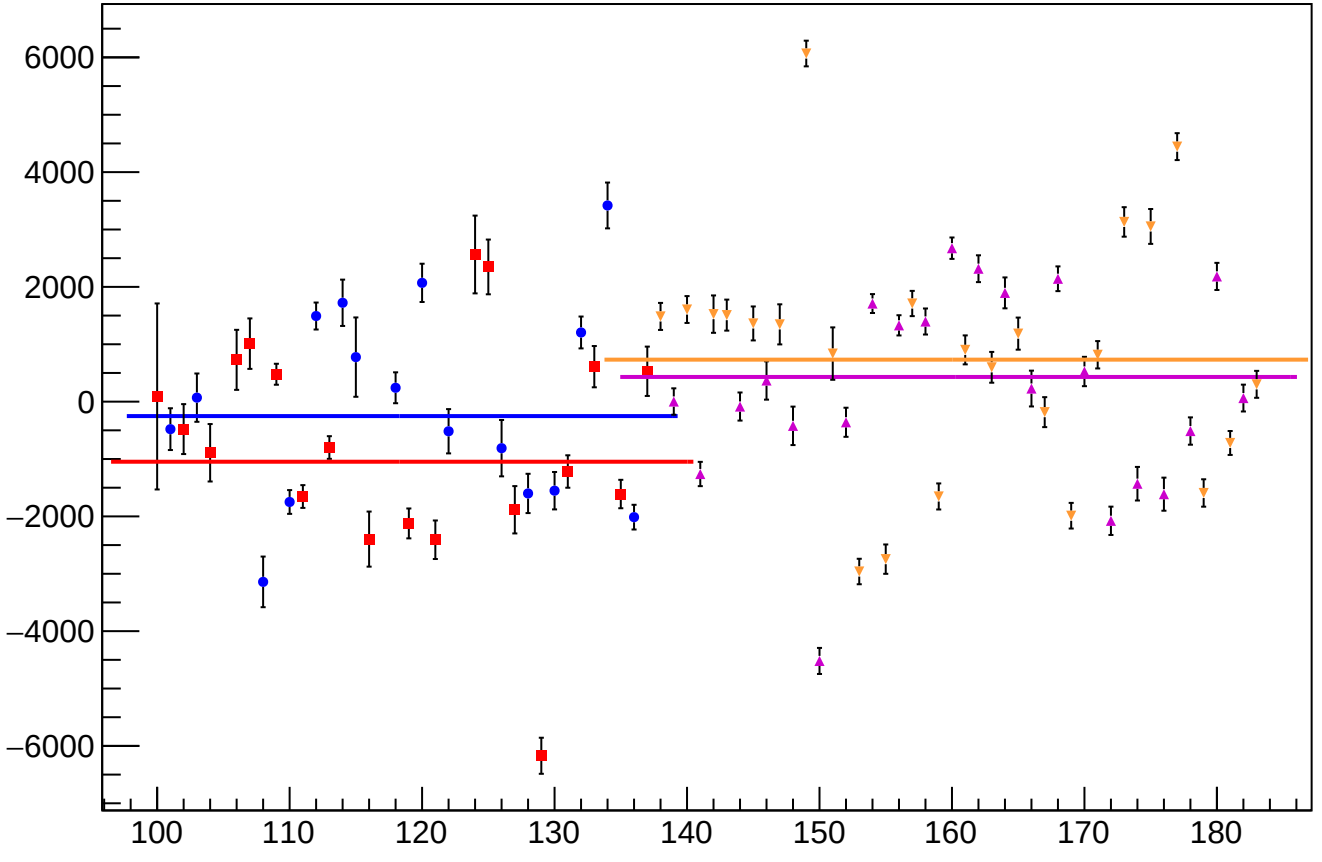
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 198.542+/-0.029 χ^2/NDF:1918482.6/37

Out: 201.338+/-0.029 χ^2/NDF:2627816.0/42

All: 199.953+/-0.020 χ^2/NDF: 4550996.7/80

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 731.911+/-51.516 χ^2/NDF:1911.6/23

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: 576.370+/-35.855 χ^2/NDF: 3167.0/45

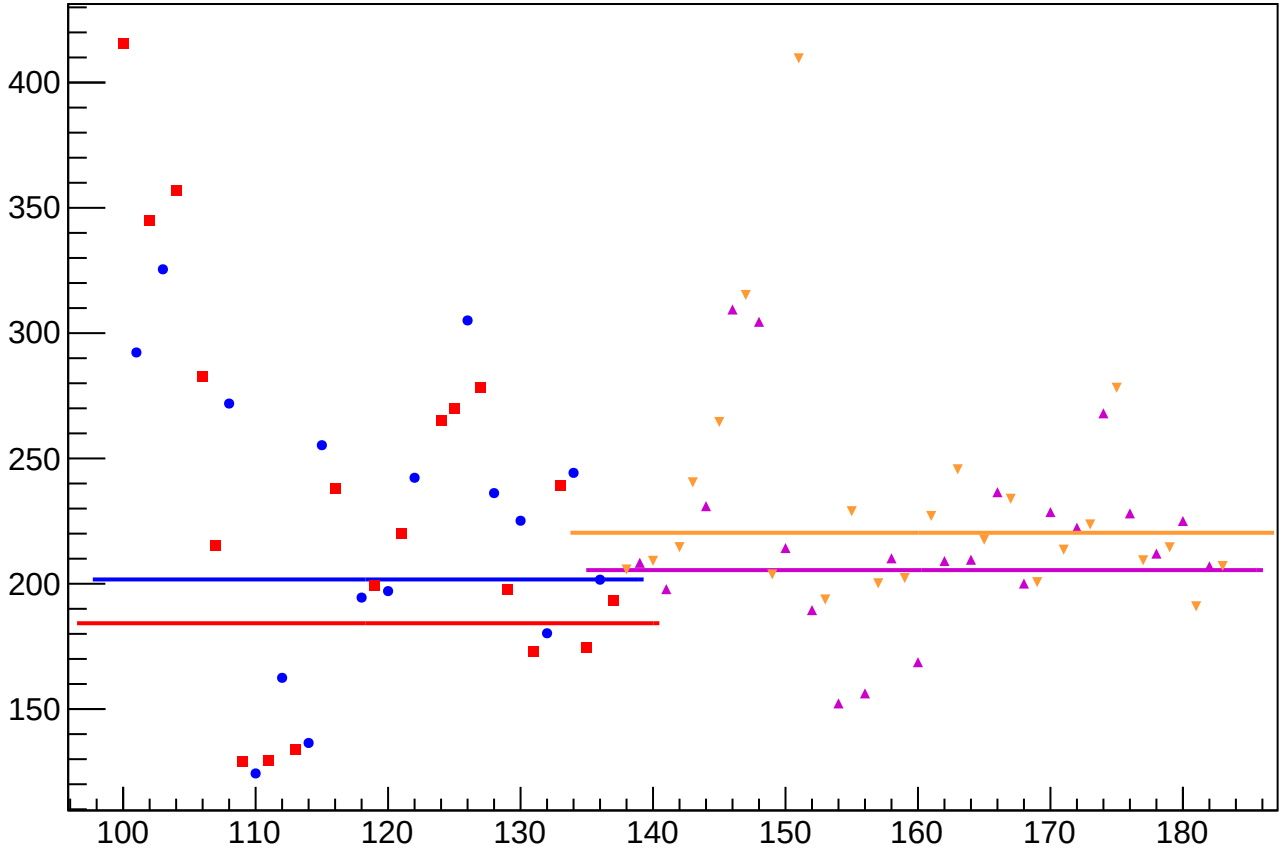
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 235.444+/-42.205 χ^2/NDF:1732.2/37

Out: 131.627+/-41.934 χ^2/NDF:2860.8/42

All: 183.200+/-29.747 χ^2/NDF: 4596.0/80

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 220.348+/-0.036 χ^2/NDF:797716.7/23

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: 212.663+/-0.025 χ^2/NDF: 1897936.4/45

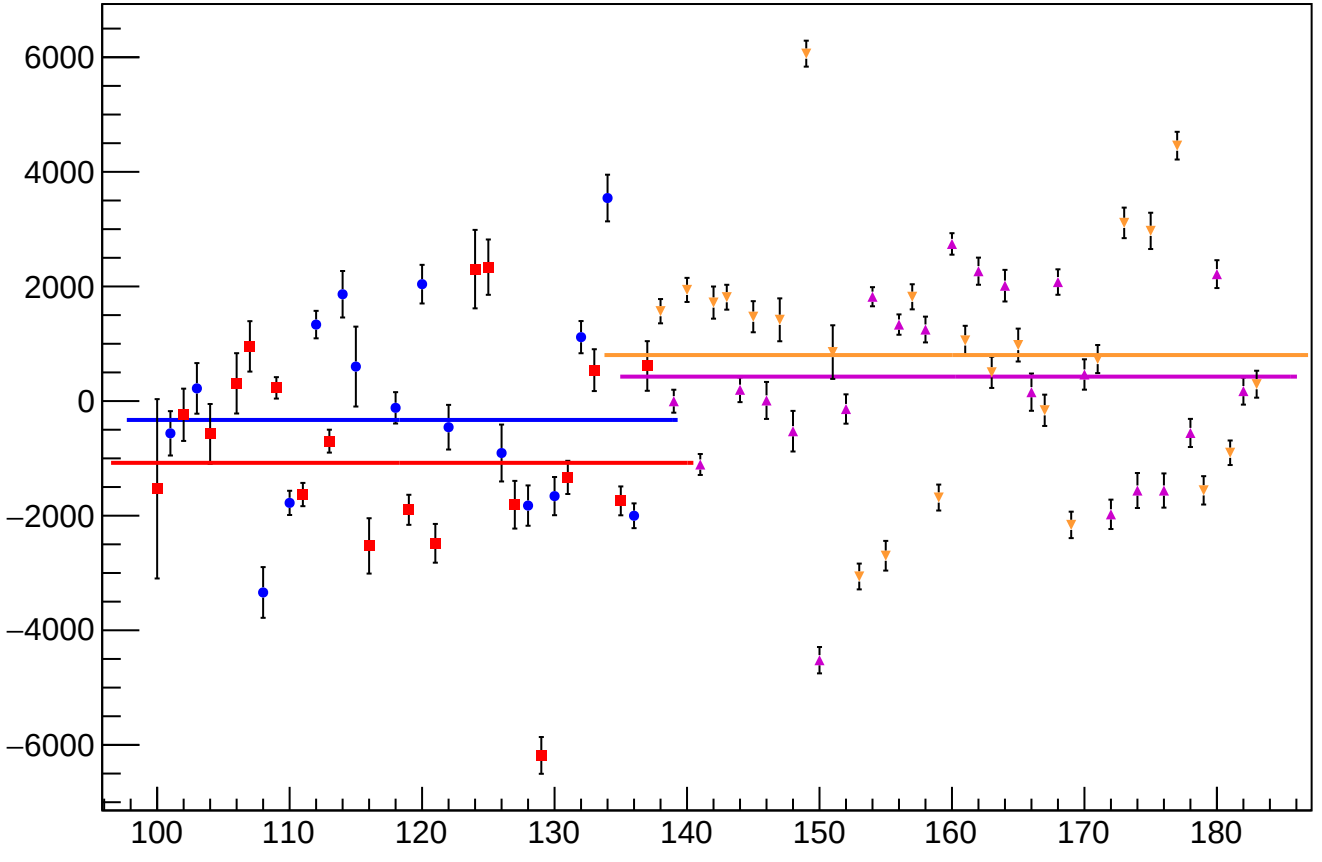
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 204.377+/-0.030 χ^2/NDF:1941286.5/37

Out: 208.166+/-0.030 χ^2/NDF:2532941.8/42

All: 206.284+/-0.021 χ^2/NDF: 4482337.5/80

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 803.052+/-50.921 χ^2/NDF:1931.1/23

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: 609.703+/-35.512 χ^2/NDF: 3168.6/45

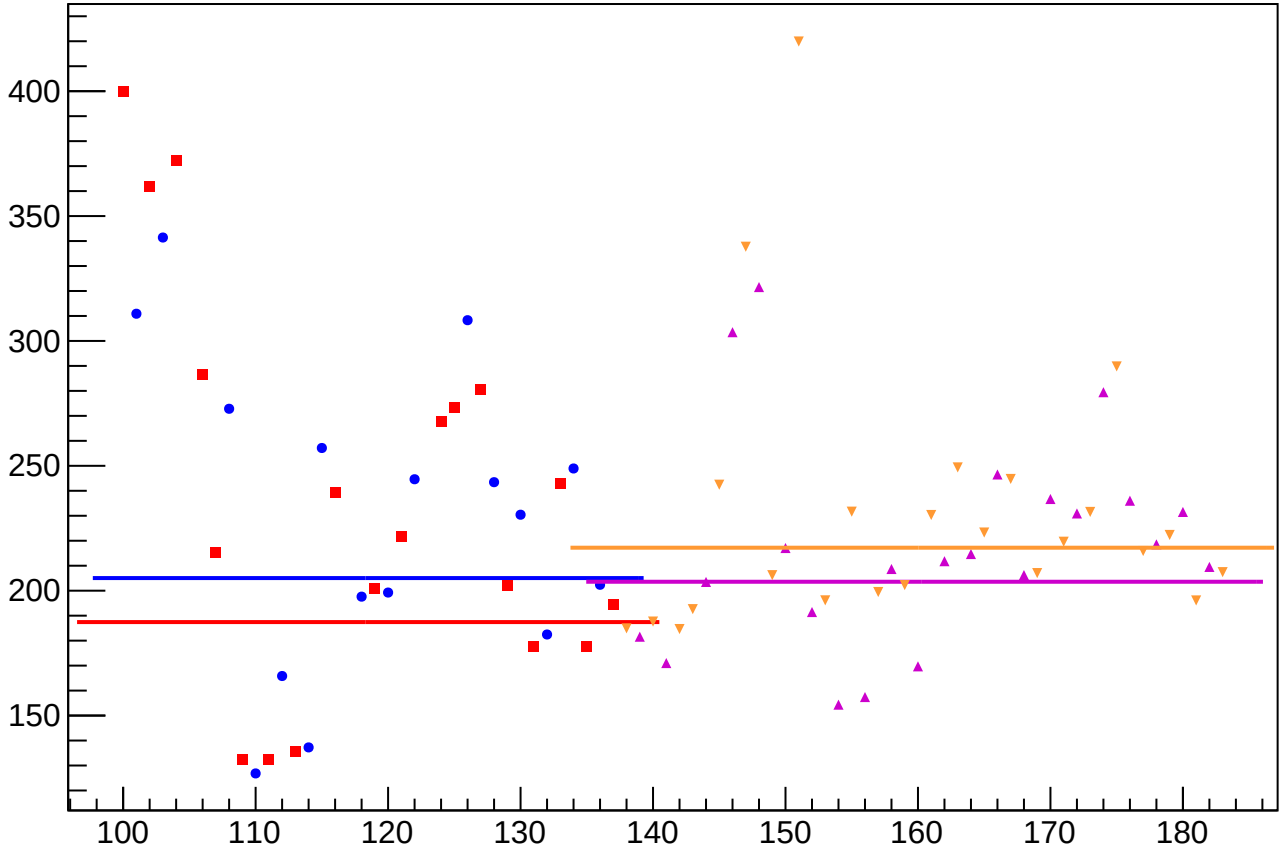
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 218.397+/-42.178 χ^2/NDF:1710.0/37

Out: 191.969+/-41.839 χ^2/NDF:2876.4/42

All: 205.077+/-29.704 χ^2/NDF: 4586.5/80

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 217.211+/-0.036 χ^2/NDF:981715.7/23

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: 210.209+/-0.025 χ^2/NDF: 2220341.1/45

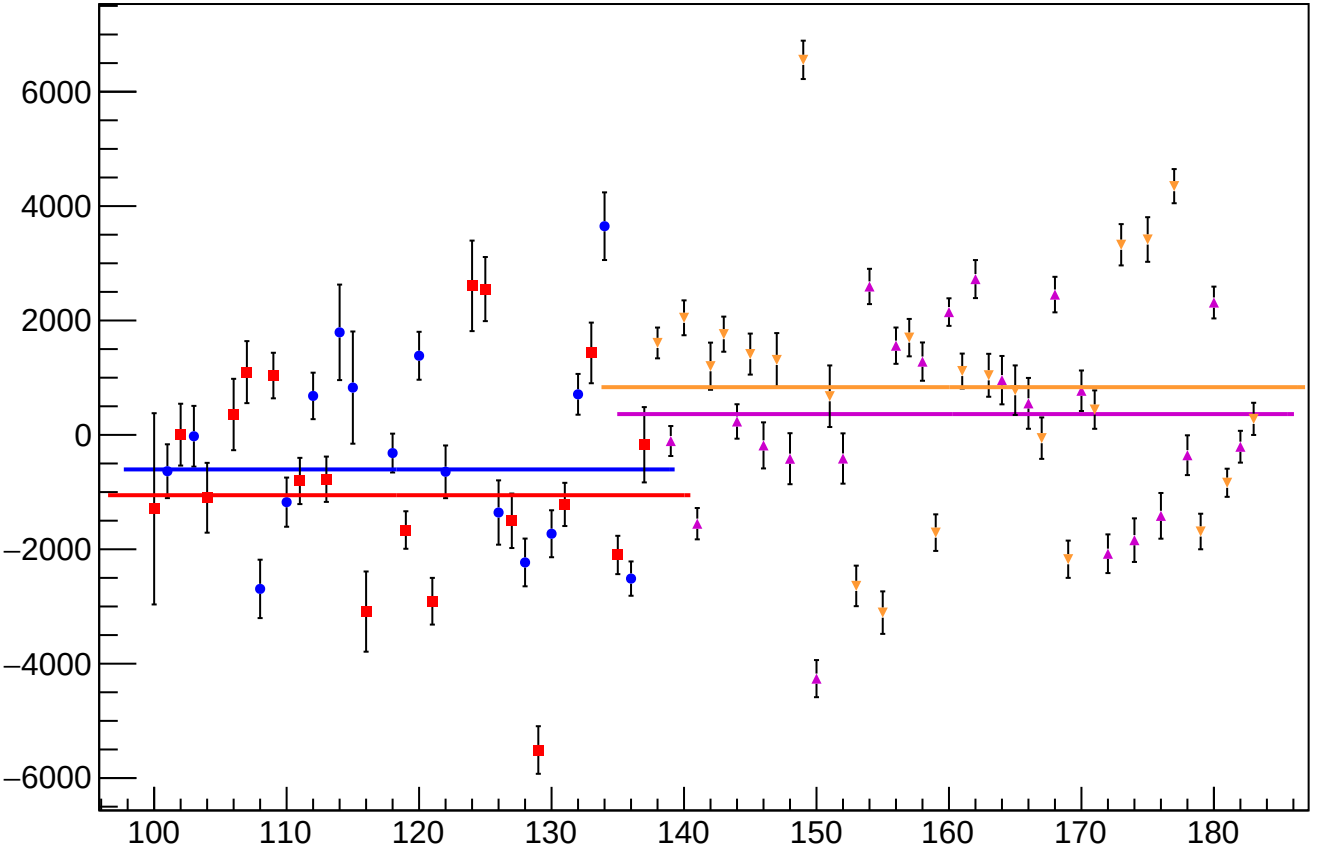
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 203.985+/-0.030 χ^2/NDF:2128541.1/37

Out: 207.536+/-0.030 χ^2/NDF:2614752.0/42

All: 205.775+/-0.021 χ^2/NDF: 4750438.7/80

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 834.333+/-68.351 χ^2/NDF:1047.2/23

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: 603.814+/-48.826 χ^2/NDF: 1724.9/45

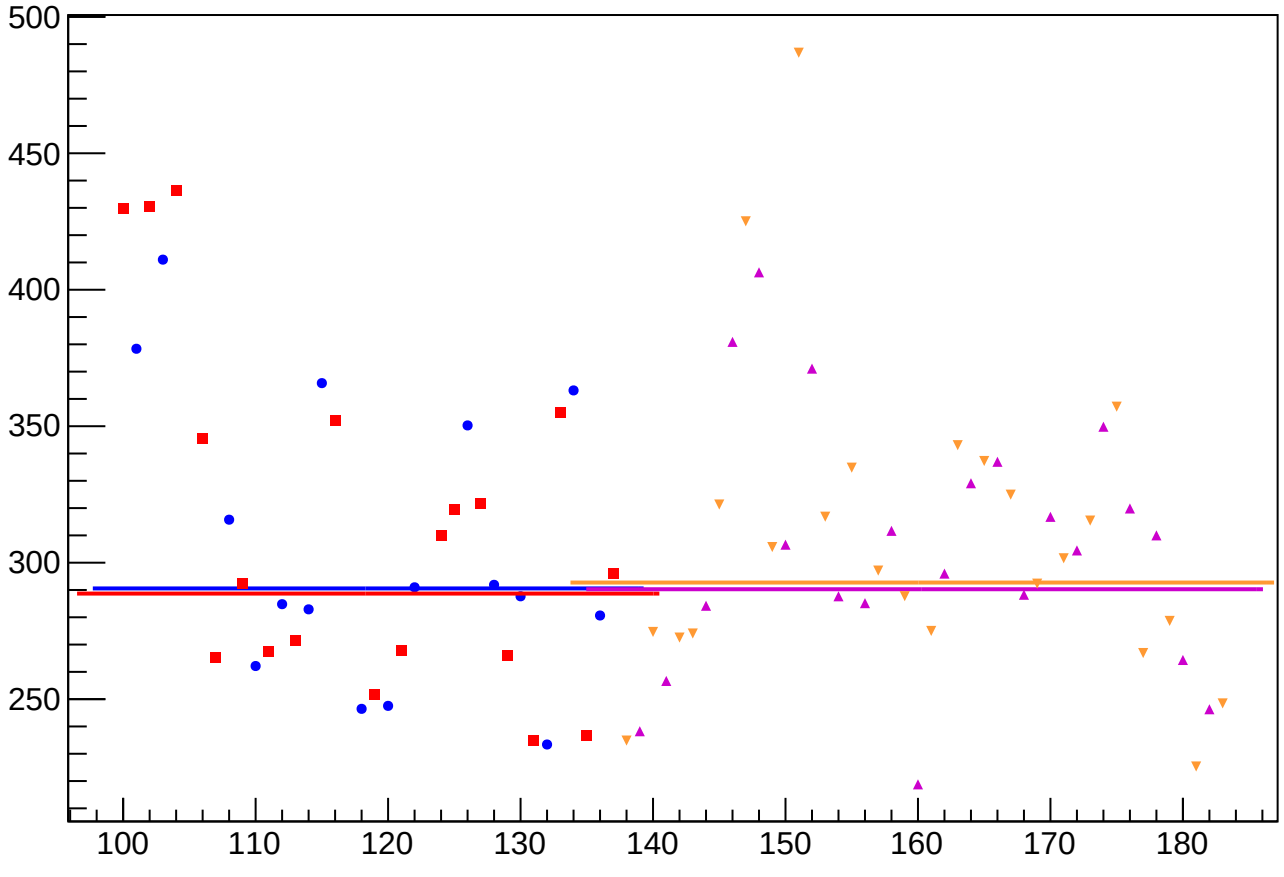
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 88.523+/-59.025 χ^2/NDF:902.6/37

Out: 296.013+/-57.796 χ^2/NDF:1562.6/42

All: 194.450+/-41.296 χ^2/NDF: 2471.5/80

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 292.726+/-0.048 χ^2/NDF:944021.2/23

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: 291.525+/-0.035 χ^2/NDF: 1737279.2/45

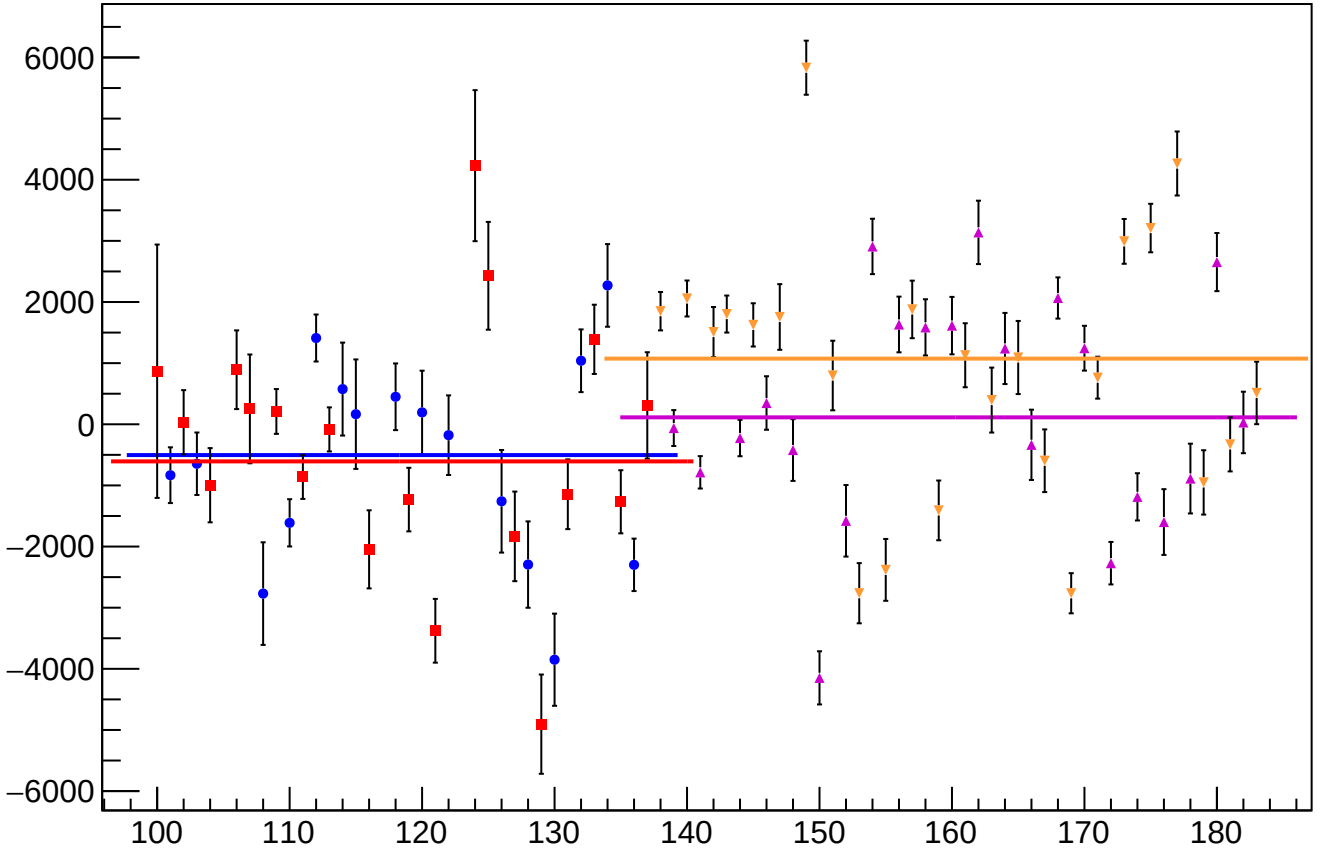
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 290.357+/-0.042 χ^2/NDF:1151814.3/37

Out: 291.575+/-0.041 χ^2/NDF:1435107.2/42

All: 290.978+/-0.029 χ^2/NDF: 2587356.1/80

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1074.047+/-85.585 χ^2/NDF:549.7/23

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: 606.924+/-61.344 χ^2/NDF: 981.2/45

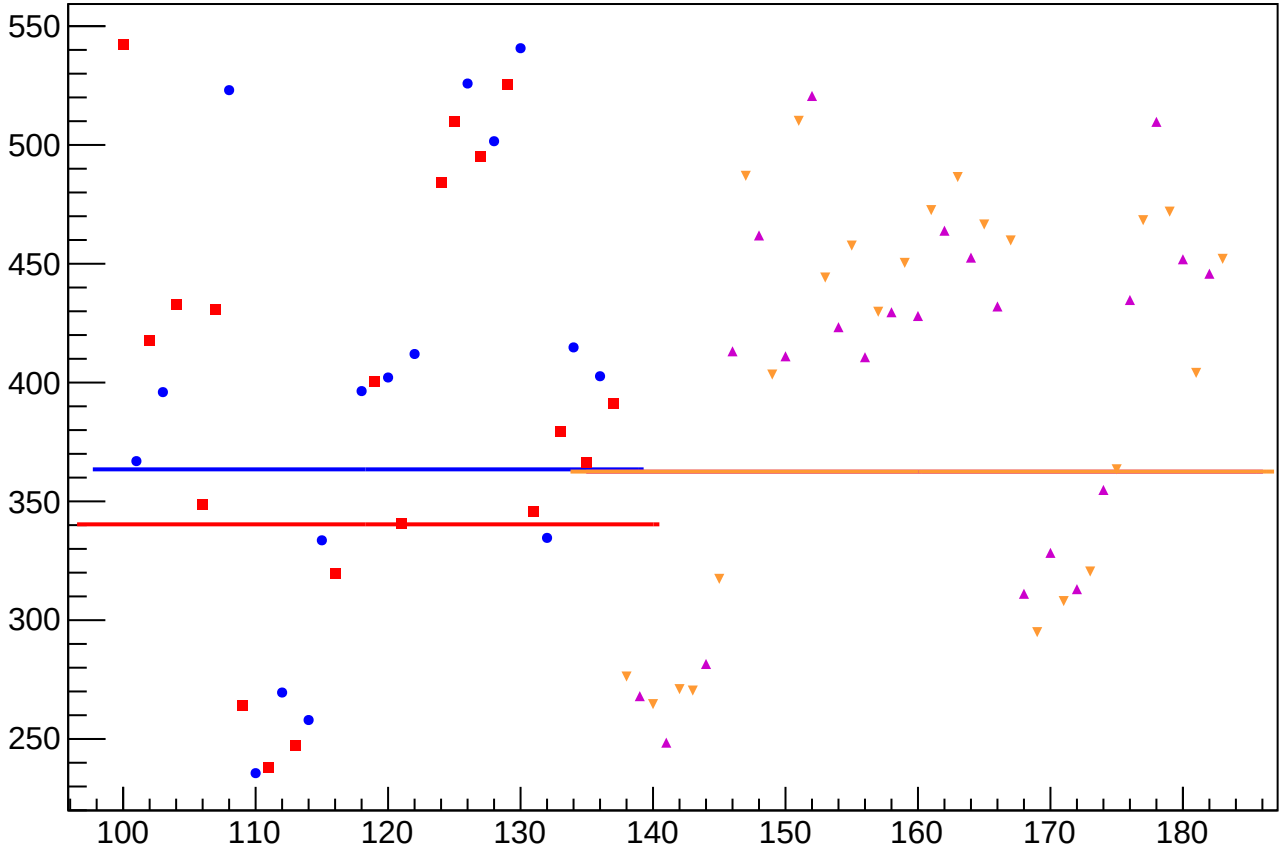
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -61.170+/-74.495 χ^2/NDF:502.4/37

Out: 563.648+/-71.419 χ^2/NDF:791.9/42

All: 264.403+/-51.554 χ^2/NDF: 1331.0/80

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 362.540+/-0.061 χ^2/NDF:1918651.5/23

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: 362.516+/-0.043 χ^2/NDF: 3612261.4/45

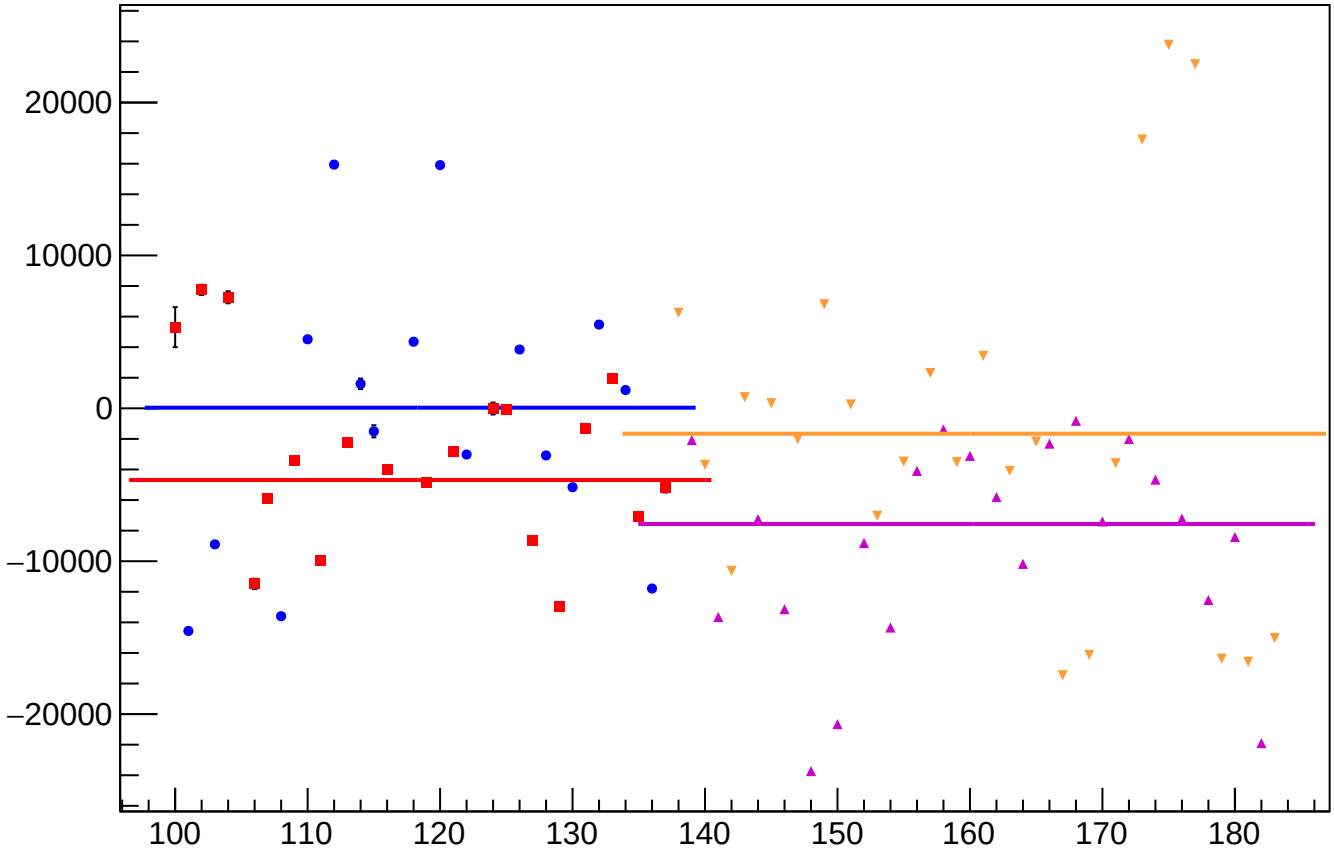
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 362.768+/-0.053 χ^2/NDF:2474573.1/37

Out: 355.797+/-0.051 χ^2/NDF:2815769.8/42

All: 359.135+/-0.036 χ^2/NDF: 5299468.6/80

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1660.514+/-41.071 χ^2/NDF:64469.5/23

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7566.520+/-42.770 χ^2/NDF:21192.8/21

Left: -4493.906+/-29.624 χ^2/NDF: 95582.8/45

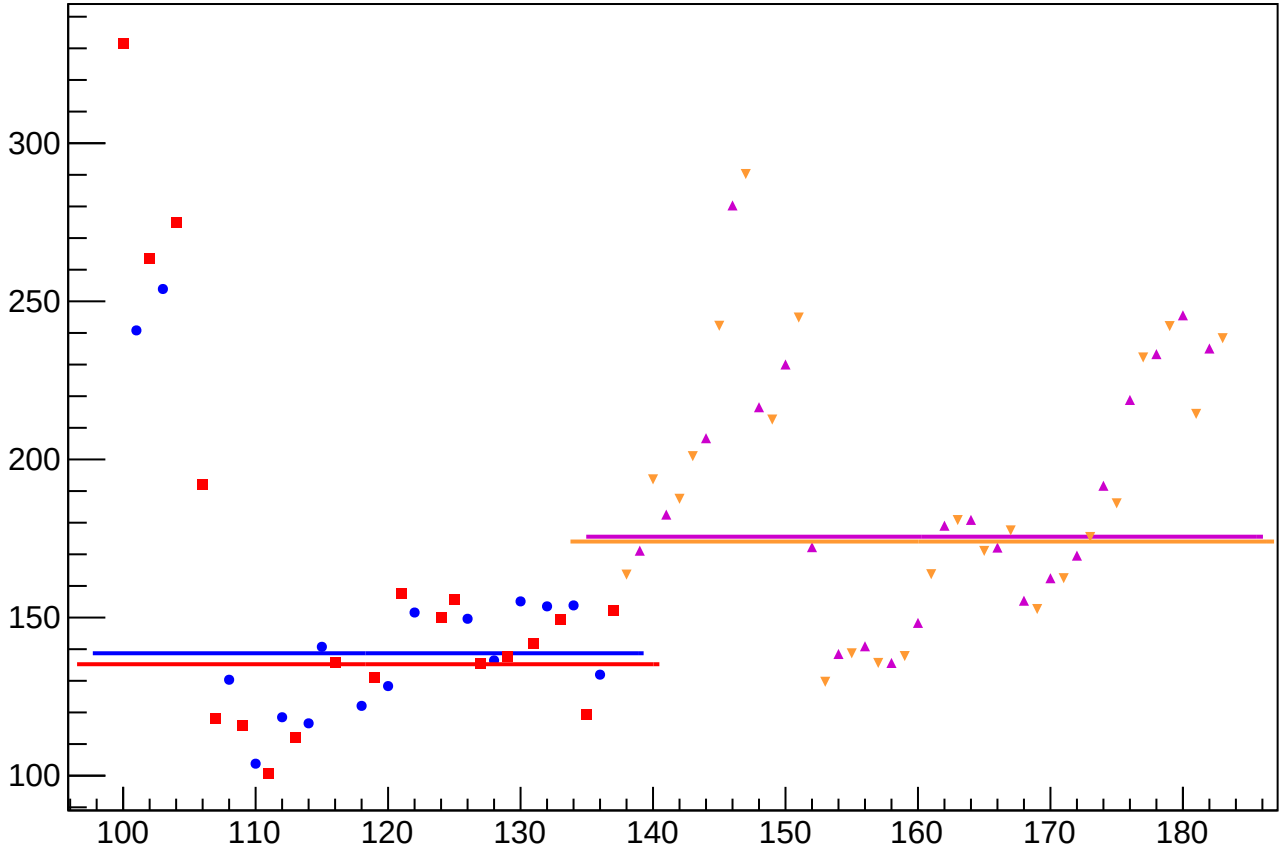
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4647.159+/-33.575 χ^2/NDF:64120.1/37

Out: -2821.624+/-32.253 χ^2/NDF:74350.3/42

All: -3697.749+/-23.260 χ^2/NDF: 140008.0/8

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 174.042+/-0.029 χ^2/NDF:1624811.1/23

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: 174.776+/-0.021 χ^2/NDF: 2953207.6/45

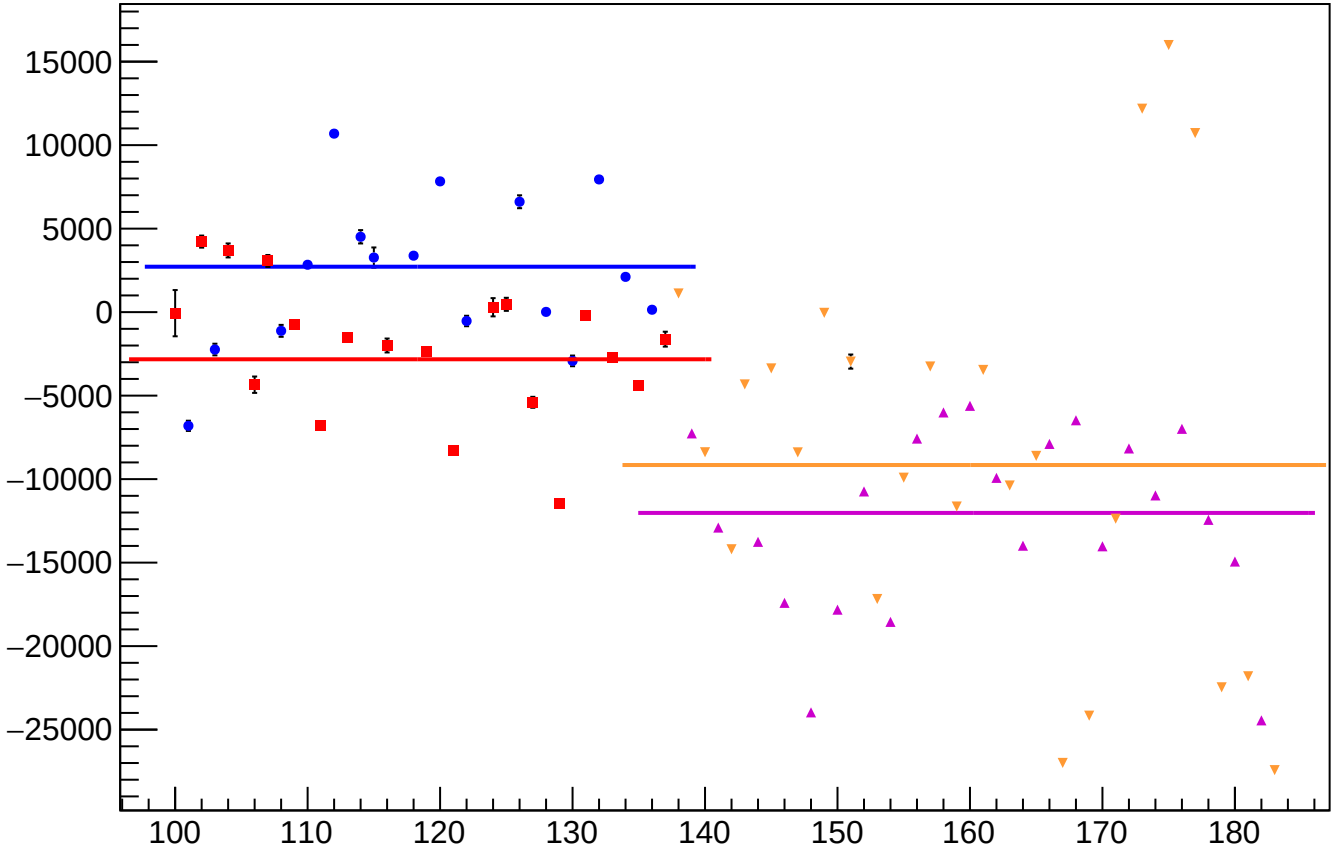
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 161.427+/-0.024 χ^2/NDF:2554931.1/37

Out: 159.171+/-0.023 χ^2/NDF:3198914.4/42

All: 160.254+/-0.016 χ^2/NDF: 5758542.1/80

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -9155.456+/-46.032 χ^2/NDF:62435.6/23

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: -10637.295+/-32.004 χ^2/NDF: 78877.3/45

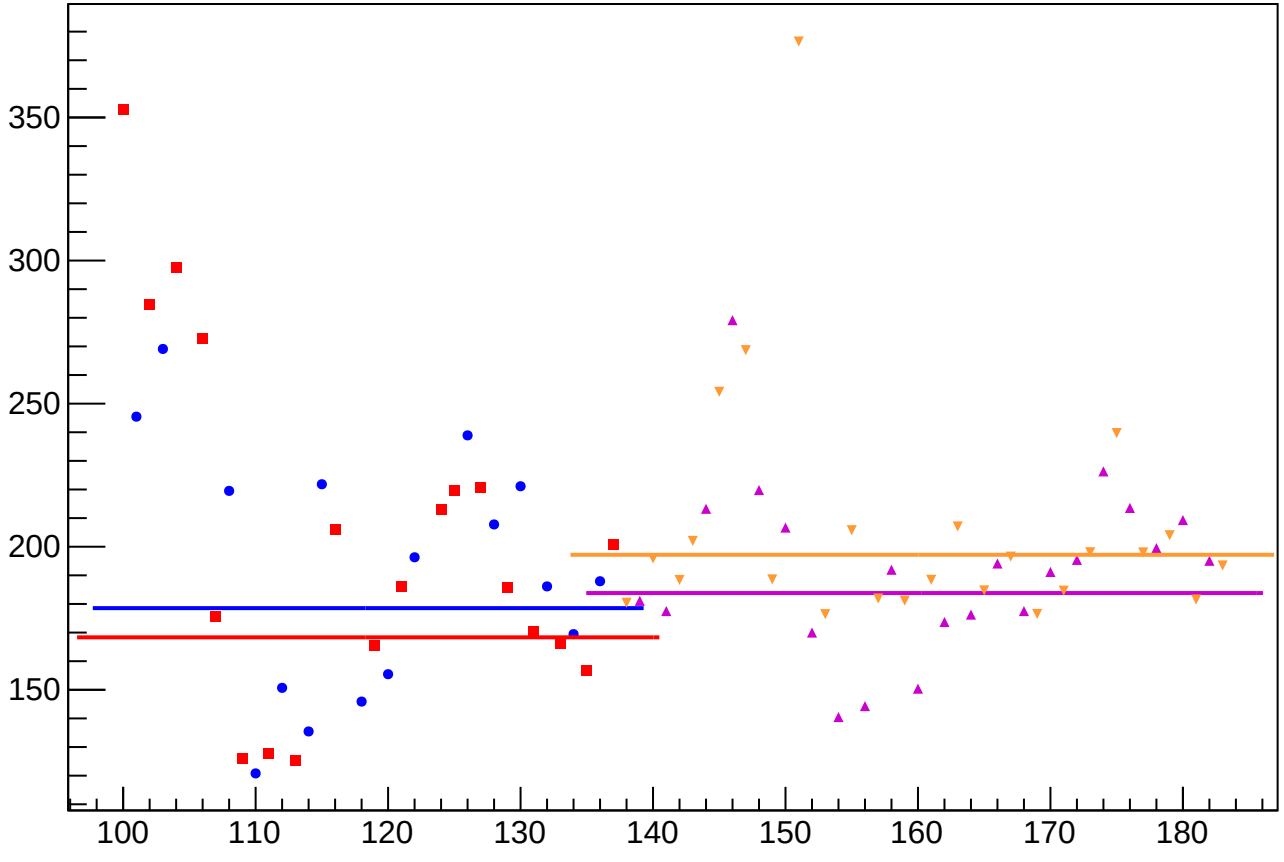
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -7711.131+/-37.451 χ^2/NDF:50637.4/37

Out: -7034.037+/-37.537 χ^2/NDF:71837.4/42

All: -7373.360+/-26.512 χ^2/NDF: 122637.9/8

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 197.182+/-0.033 χ^2/NDF:732294.5/23

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: 190.275+/-0.023 χ^2/NDF: 1647191.3/45

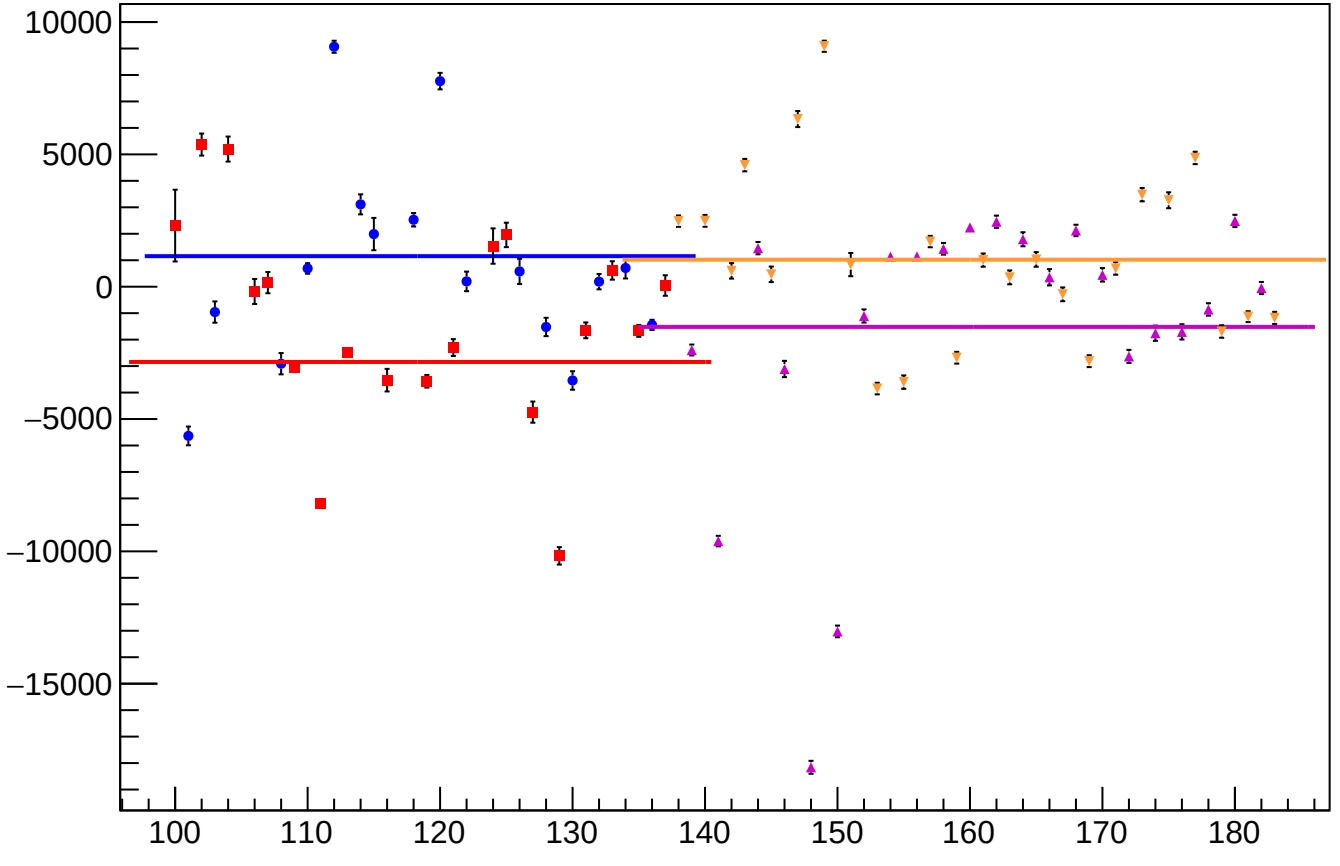
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 182.270+/-0.026 χ^2/NDF:1510489.6/37

Out: 187.517+/-0.027 χ^2/NDF:1974944.2/42

All: 184.888+/-0.019 χ^2/NDF: 3505016.8/80

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1019.915+/-49.997 χ^2/NDF:4278.7/23

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: -289.811+/-34.790 χ^2/NDF: 17084.4/45

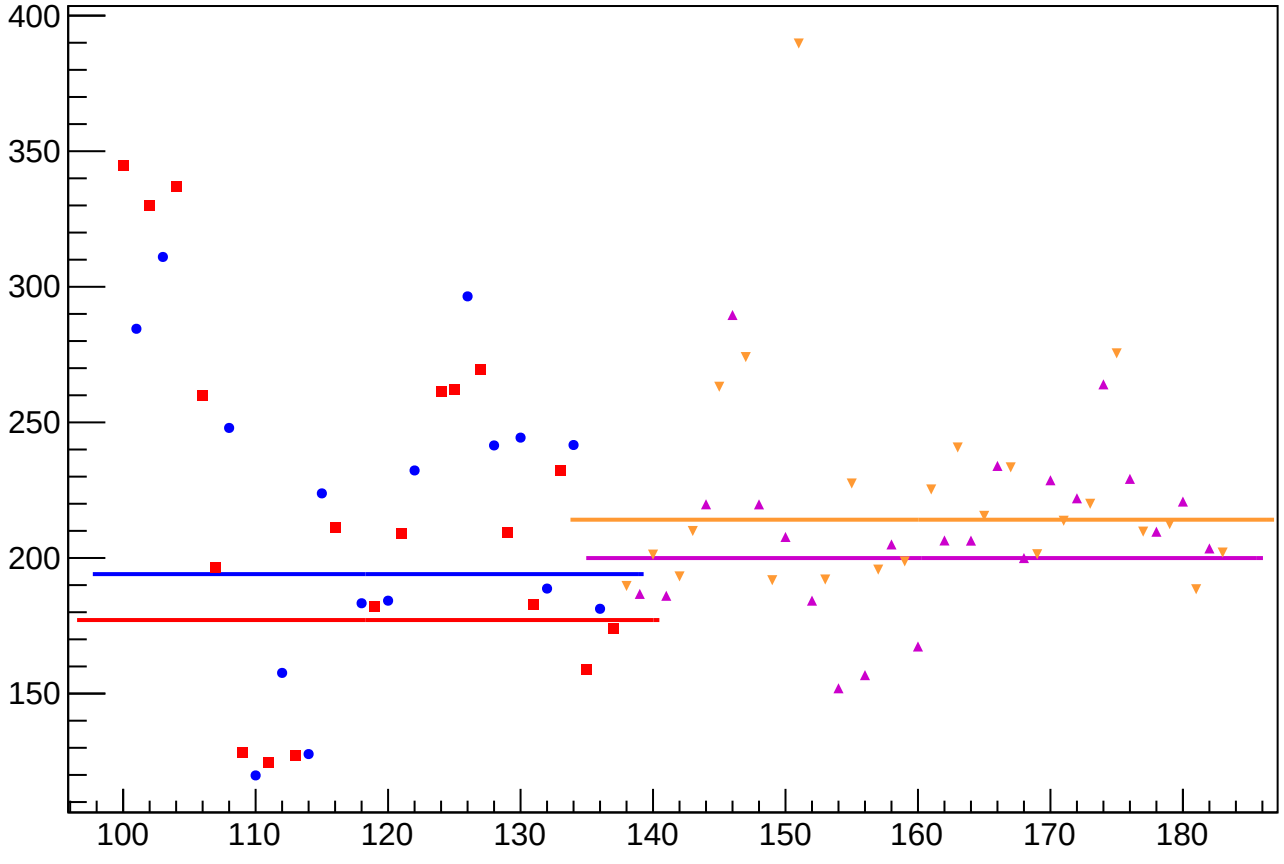
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -746.391+/-40.842 χ^2/NDF:15011.0/37

Out: -306.819+/-40.514 χ^2/NDF:8782.5/42

All: -524.835+/-28.763 χ^2/NDF: 23852.0/80

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.118+/-0.035 χ^2/NDF:731853.0/23

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: 206.820+/-0.025 χ^2/NDF: 1599789.8/45

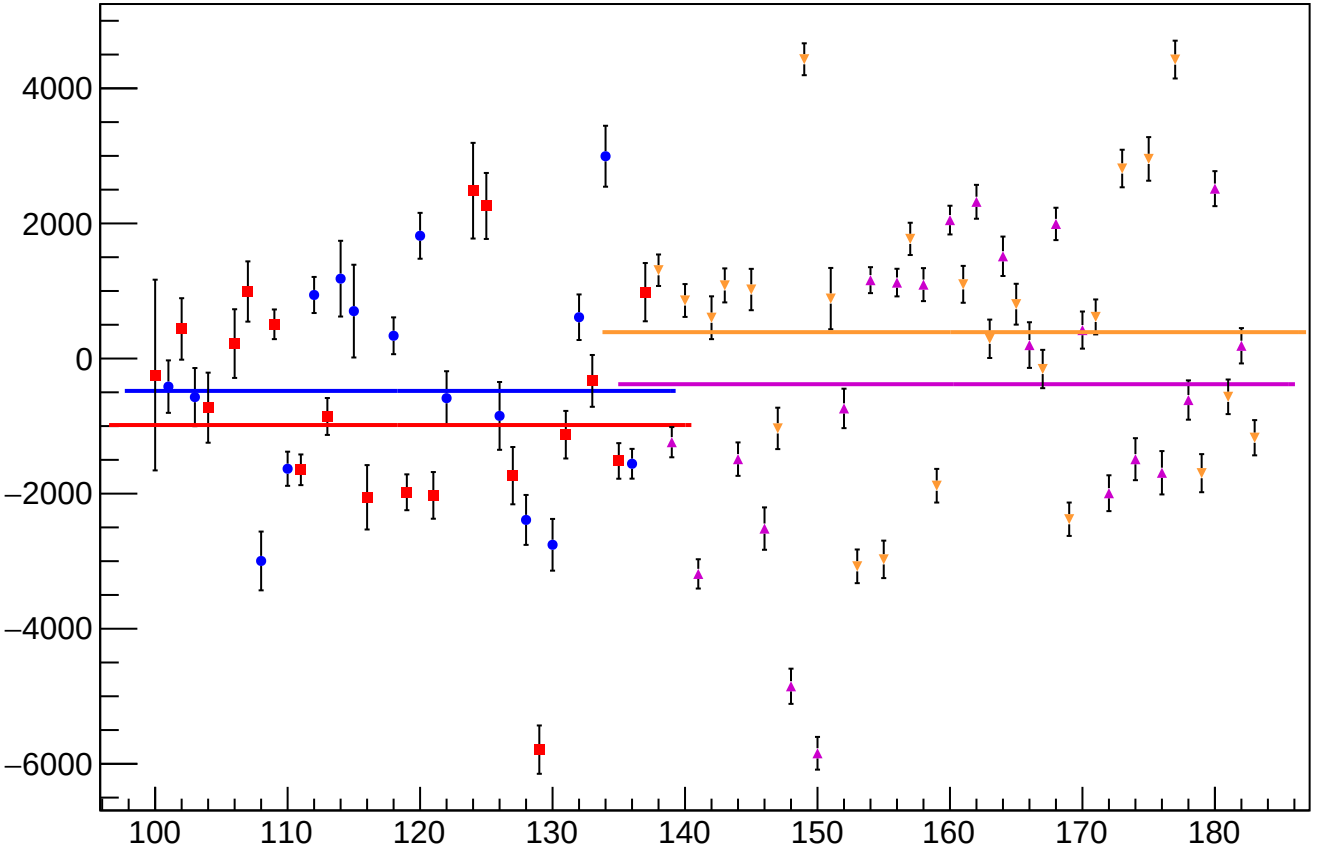
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 198.259+/-0.029 χ^2/NDF:1759735.0/37

Out: 201.412+/-0.029 χ^2/NDF:2467350.9/42

All: 199.848+/-0.020 χ^2/NDF: 4233094.7/80

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 390.545+/-55.371 χ^2/NDF:1394.6/23

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -380.039+/-53.935 χ^2/NDF:1803.1/21

Left: -4.864+/-38.636 χ^2/NDF: 3297.1/45

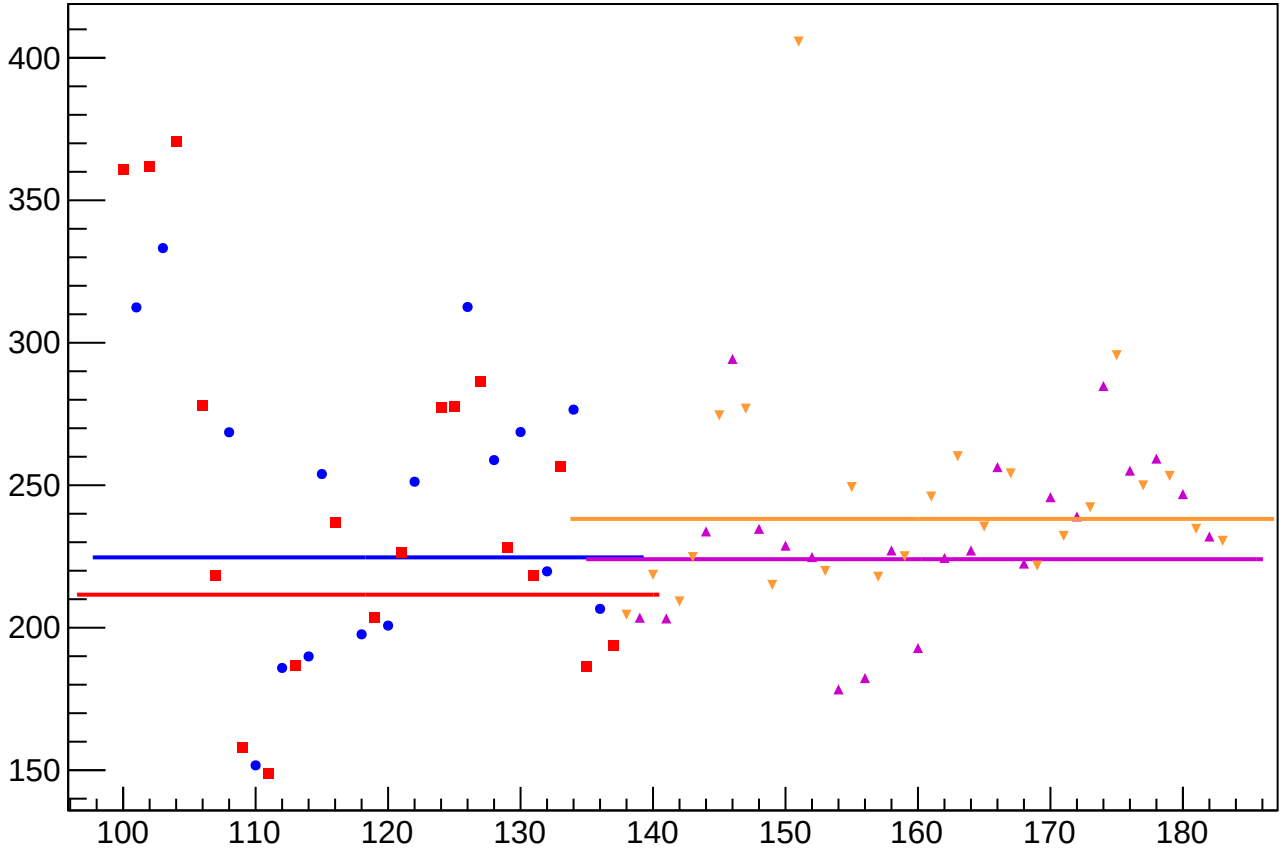
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -407.742+/-45.795 χ^2/NDF:2109.5/37

Out: -47.773+/-45.701 χ^2/NDF:1989.3/42

All: -227.390+/-32.349 χ^2/NDF: 4129.7/80

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.181+/-0.039 χ^2/NDF:567919.4/23

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: 230.929+/-0.027 χ^2/NDF: 1196780.6/45

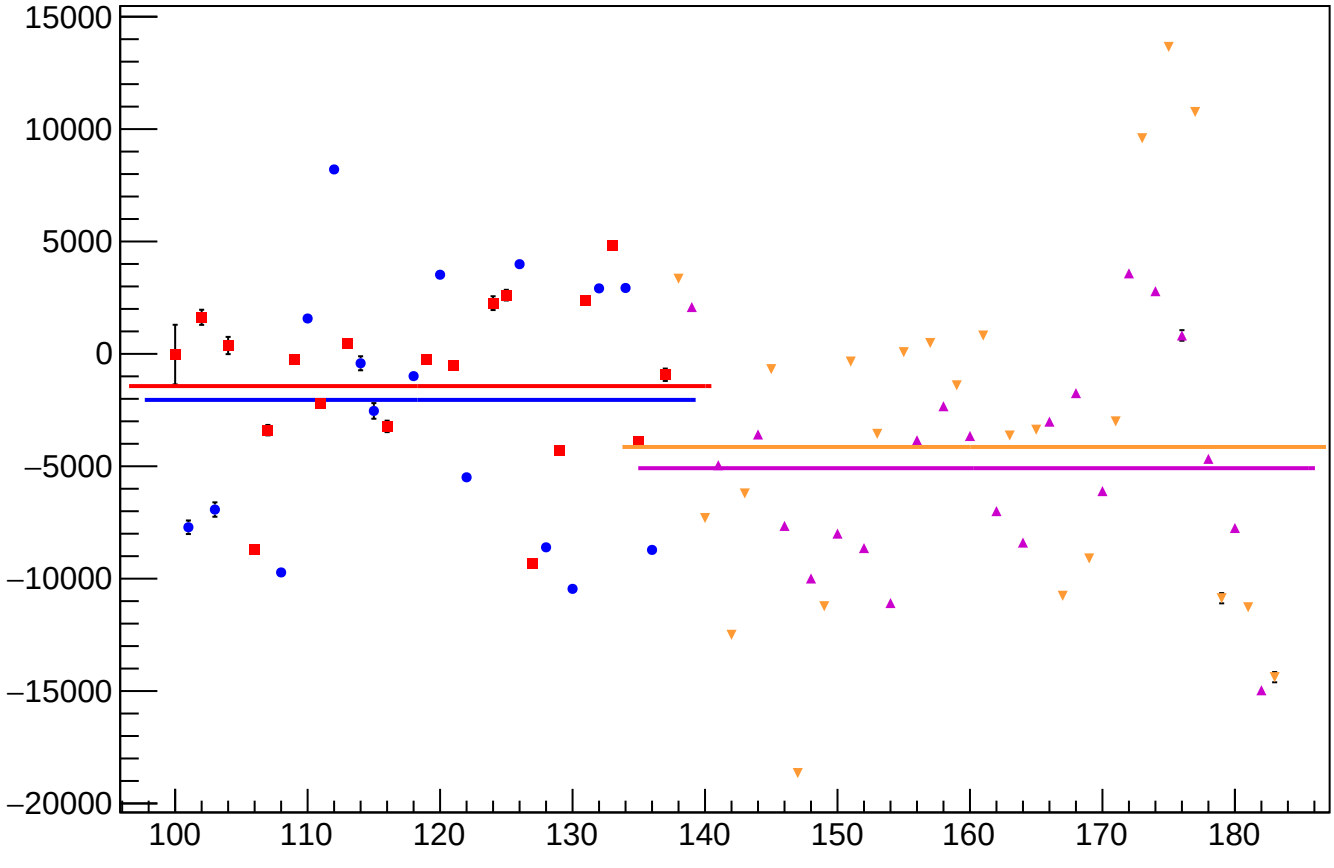
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 224.225+/-0.032 χ^2/NDF:1215271.3/37

Out: 229.706+/-0.032 χ^2/NDF:1647798.7/42

All: 226.971+/-0.023 χ^2/NDF: 2877425.1/80

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4141.075+/-30.925 χ^2/NDF:55989.2/23

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: -4595.627+/-22.267 χ^2/NDF: 73830.9/45

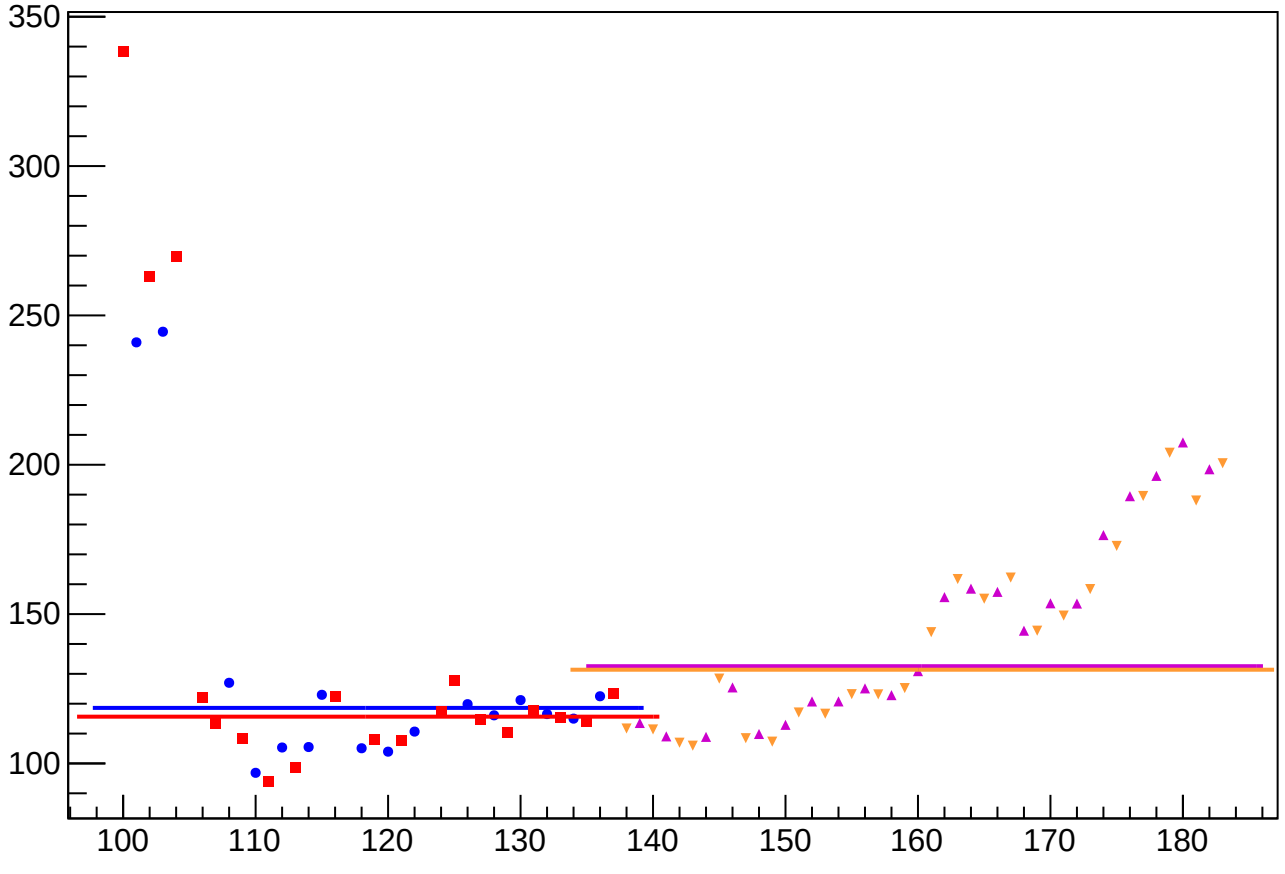
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4111.425+/-26.450 χ^2/NDF:36974.6/37

Out: -3265.228+/-25.437 χ^2/NDF:64857.3/42

All: -3671.807+/-18.334 χ^2/NDF: 102363.6/8

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 131.379+/-0.022 χ^2/NDF:1485245.7/23

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: 131.947+/-0.016 χ^2/NDF: 2838288.2/45

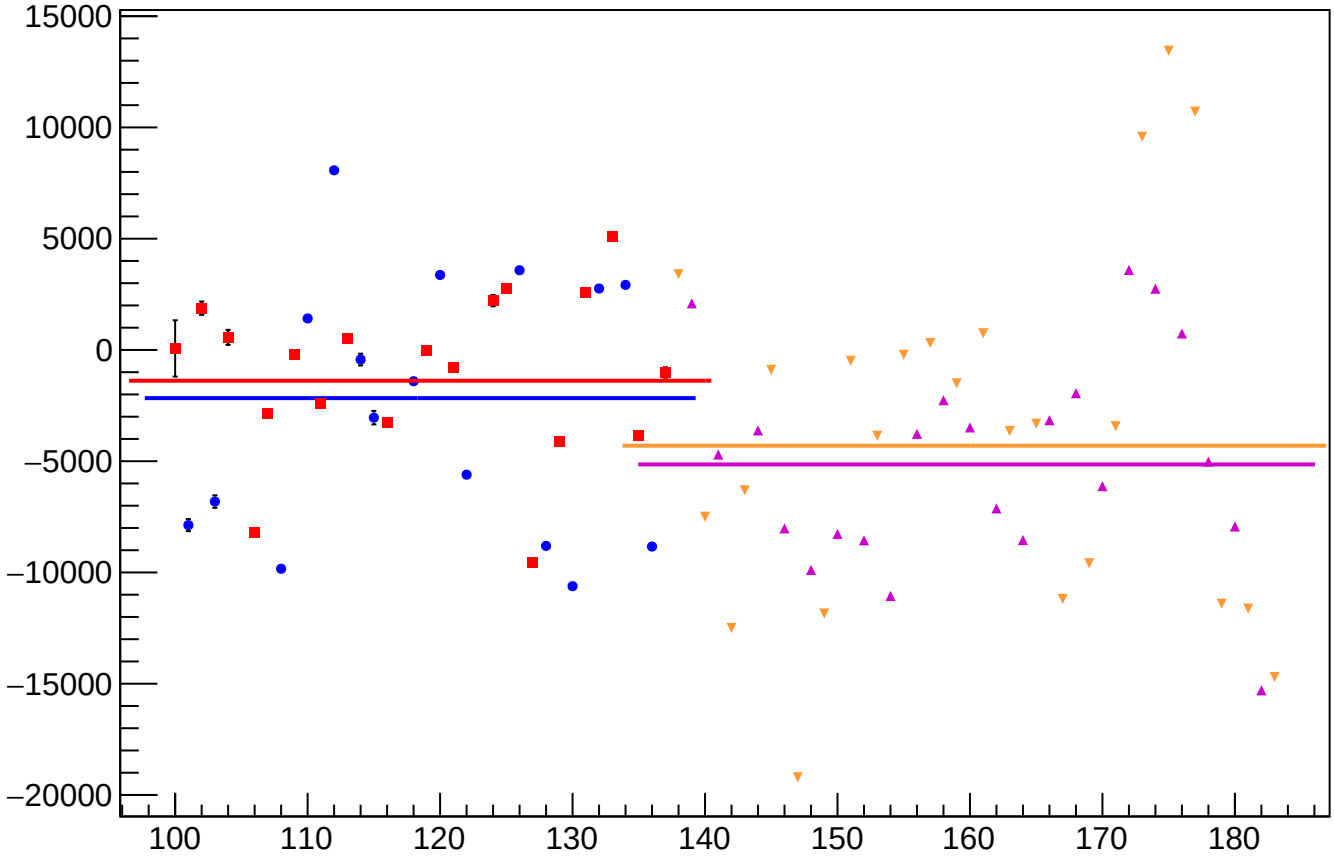
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 128.084+/-0.019 χ^2/NDF:2207182.9/37

Out: 126.295+/-0.018 χ^2/NDF:2516569.5/42

All: 127.155+/-0.013 χ^2/NDF: 4728506.7/80

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4304.260+/-28.040 χ^2/NDF:66225.5/23

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: -4705.712+/-20.277 χ^2/NDF: 87510.2/45

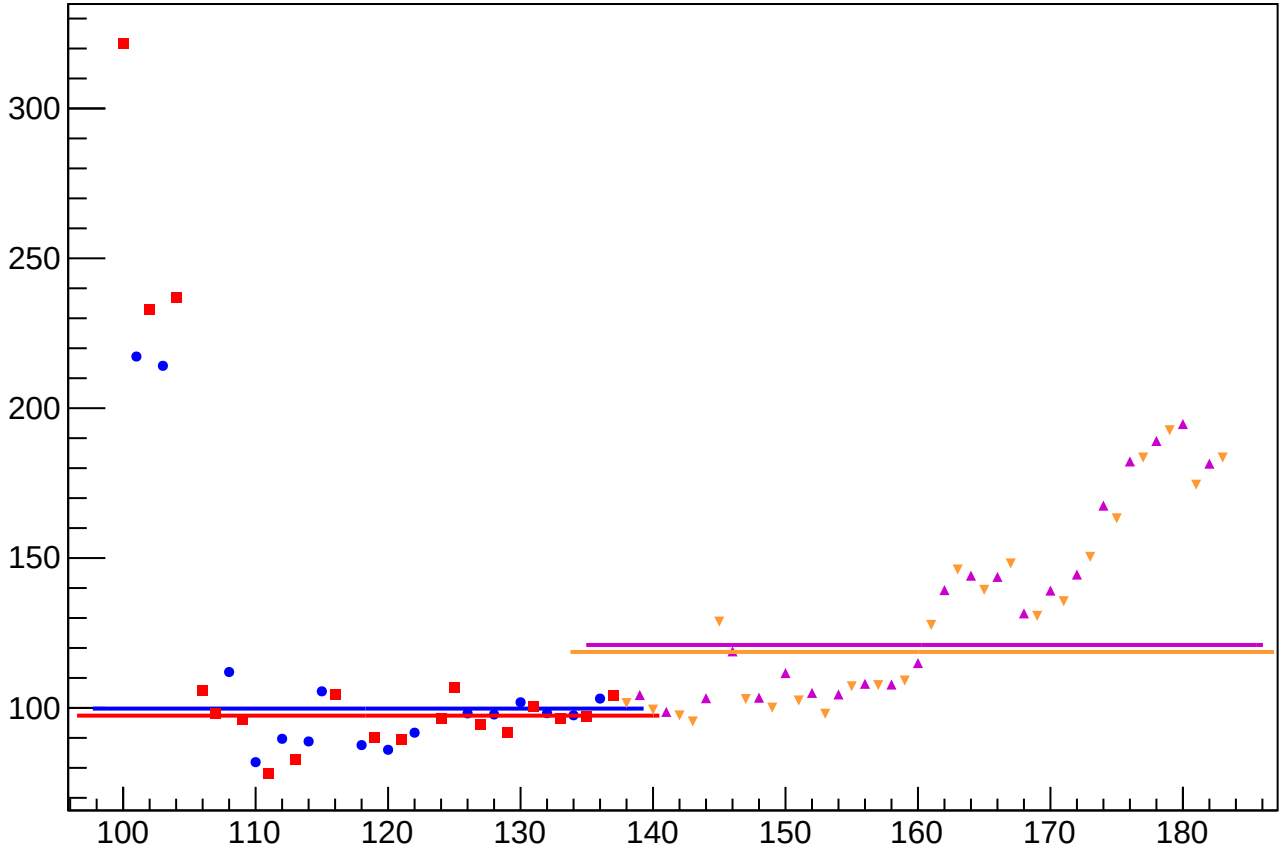
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4089.983+/-23.590 χ^2/NDF:47380.2/37

Out: -3273.612+/-22.557 χ^2/NDF:79203.4/42

All: -3663.526+/-16.303 χ^2/NDF: 127209.2/8

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 118.675+/-0.020 χ^2/NDF:1691417.8/23

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: 119.786+/-0.014 χ^2/NDF: 3158155.6/45

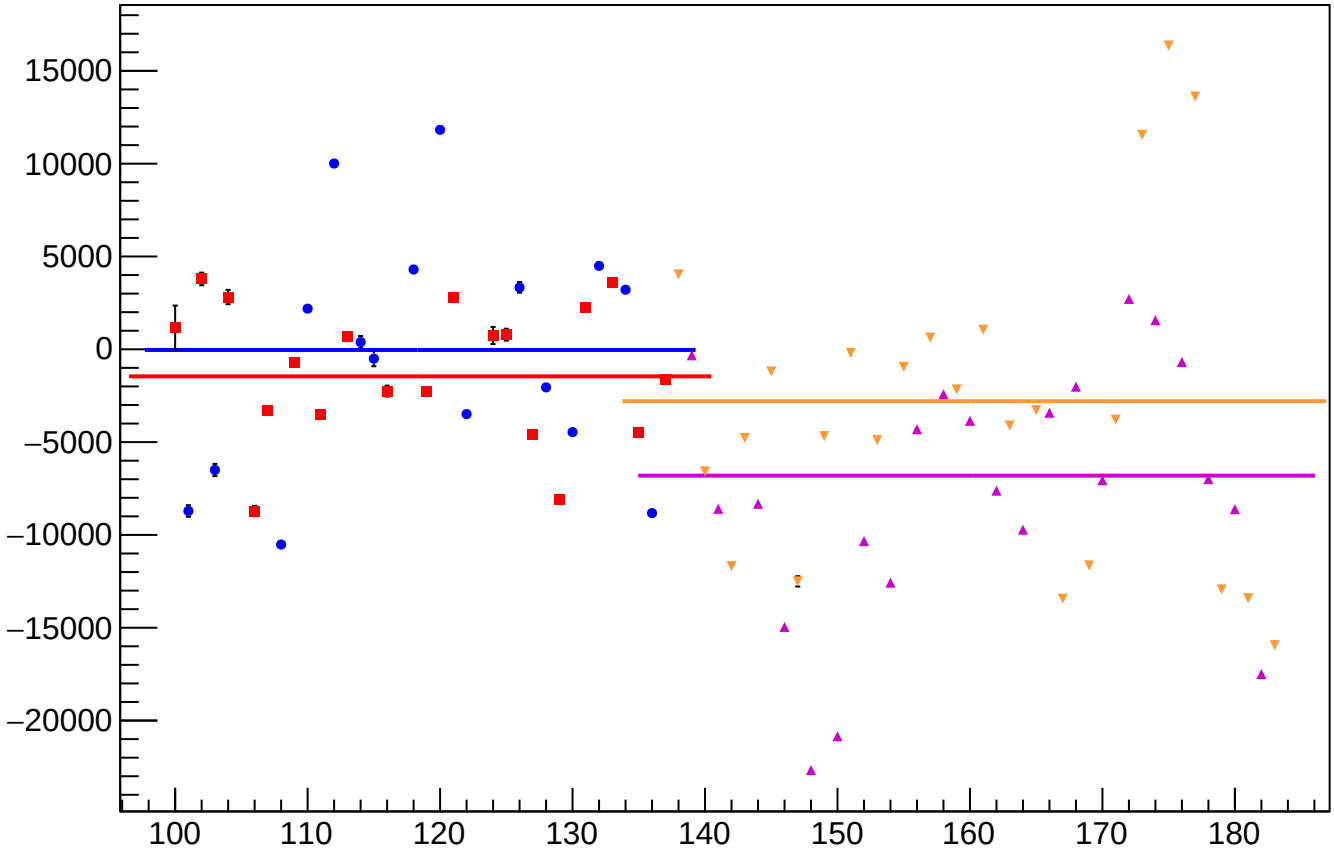
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 113.482+/-0.017 χ^2/NDF:2639844.8/37

Out: 111.179+/-0.016 χ^2/NDF:3022670.9/42

All: 112.279+/-0.012 χ^2/NDF: 5672474.7/80

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2795.648+/-38.352 χ^2/NDF:36783.0/23

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: -4693.269+/-27.834 χ^2/NDF: 62950.3/45

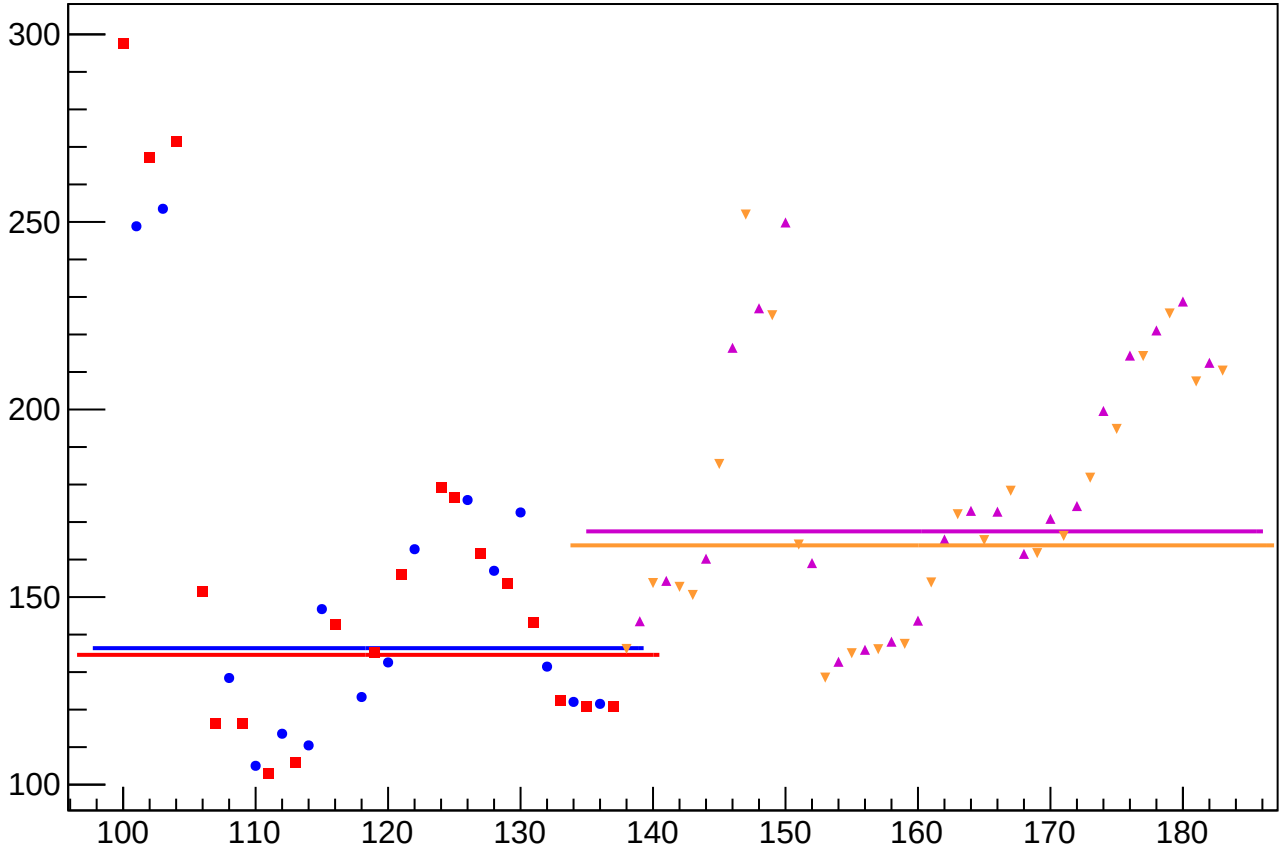
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4339.822+/-32.262 χ^2/NDF:47994.1/37

Out: -2323.266+/-30.854 χ^2/NDF:41330.1/42

All: -3286.578+/-22.298 χ^2/NDF: 91364.8/80

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 163.785+/-0.027 χ^2/NDF:1201005.2/23

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 167.512+/-0.029 χ^2/NDF:1197737.6/21

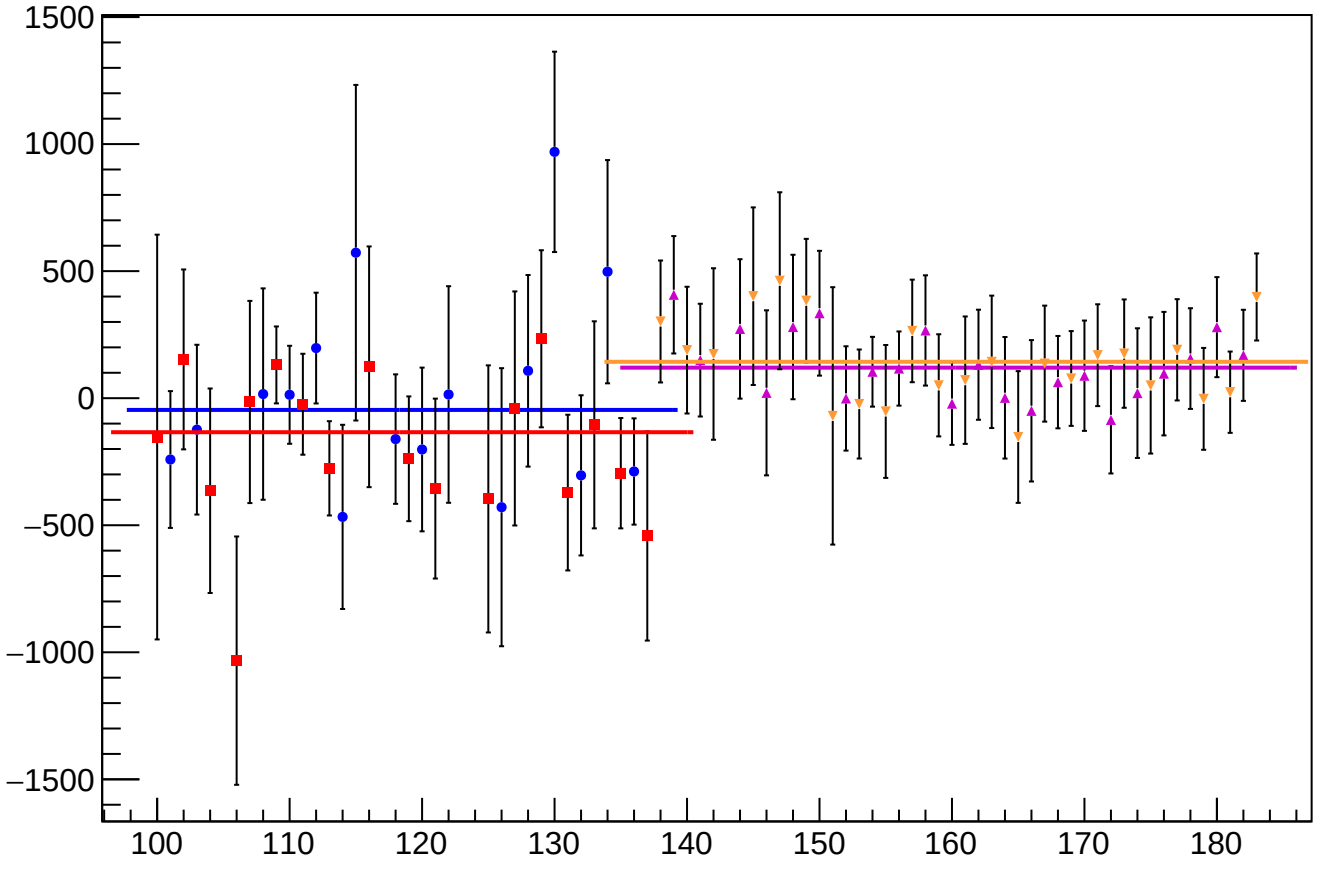
Left: 165.549+/-0.020 χ^2/NDF: 2407679.2/45

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 156.178+/-0.023 χ^2/NDF:2425695.7/37

Out: 153.488+/-0.022 χ^2/NDF:2529261.8/42

All: 154.773+/-0.016 χ^2/NDF: 4962214.5/80



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 143.224+/-47.534 χ^2/NDF:9.8/22

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: 130.815+/-32.332 χ^2/NDF: 17.1/44

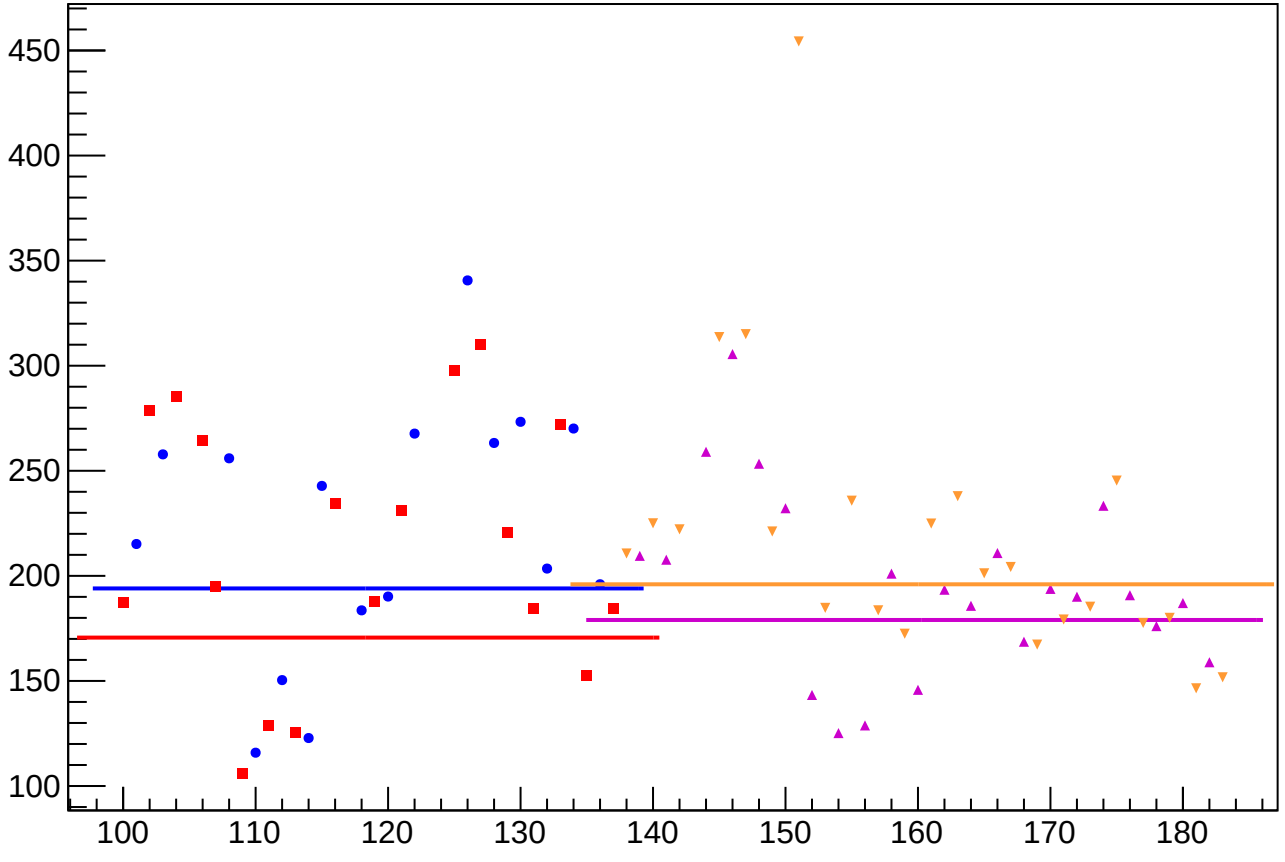
Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 78.457+/-38.183 χ^2/NDF:26.3/37

Out: 52.995+/-39.036 χ^2/NDF:33.7/40

All: 66.007+/-27.296 χ^2/NDF: 60.2/78

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 195.985+/-0.034 χ^2/NDF:1705610.6/22

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 179.007+/-0.031 χ^2/NDF:1663436.2/21

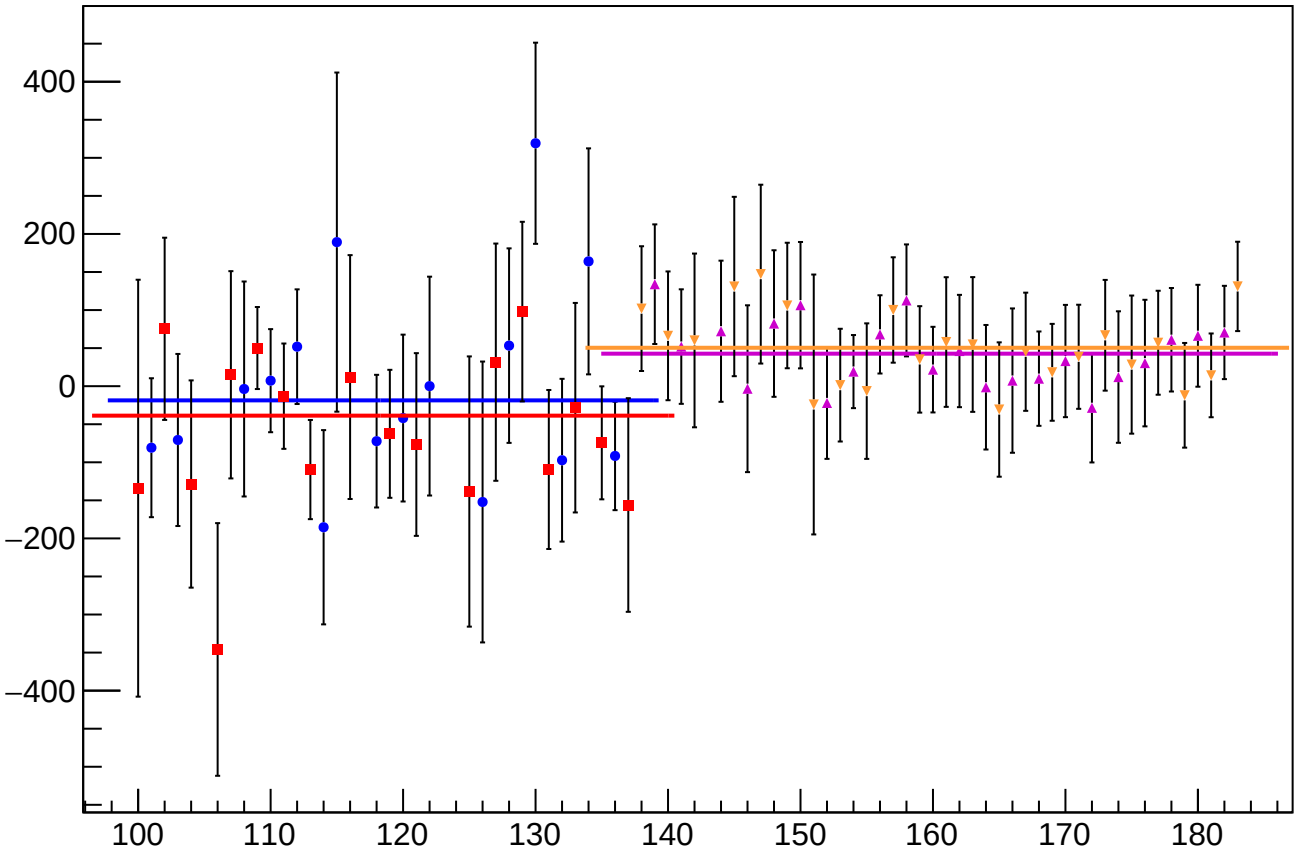
Left: 186.862+/-0.023 χ^2/NDF: 3506164.8/44

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 182.767+/-0.027 χ^2/NDF:2765060.8/37

Out: 187.728+/-0.028 χ^2/NDF:3484715.4/40

All: 185.193+/-0.019 χ^2/NDF: 6266282.7/78



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 50.456+/-16.243 χ^2/NDF:8.0/22

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 42.705+/-15.151 χ^2/NDF:7.0/21

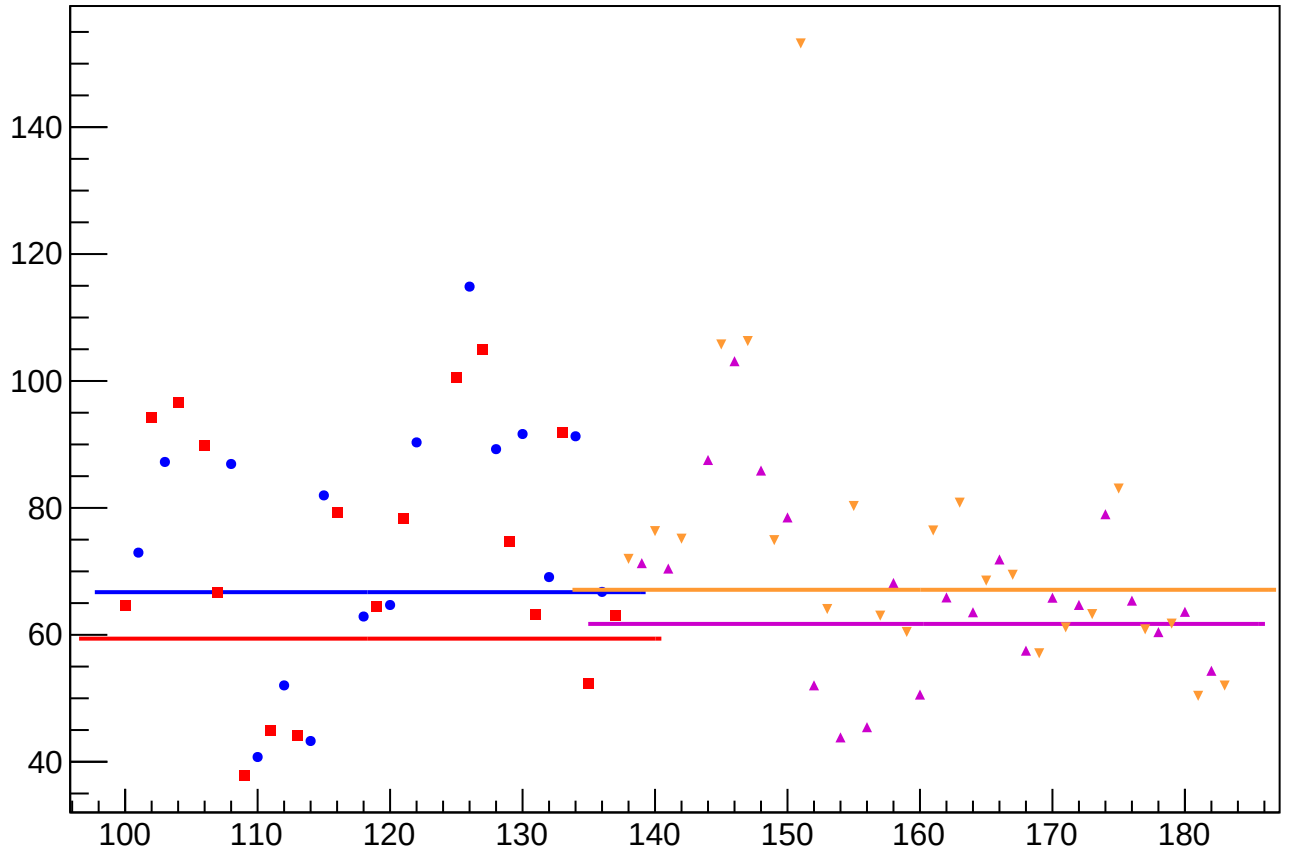
Left: 46.311+/-11.079 χ^2/NDF: 15.1/44

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 27.261+/-13.106 χ^2/NDF:26.3/37

Out: 21.878+/-13.390 χ^2/NDF:30.3/40

All: 24.627+/-9.366 χ^2/NDF: 56.7/78



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 67.099+/-0.011 χ^2/NDF:1629234.4/22

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 61.722+/-0.011 χ^2/NDF:1475574.4/21

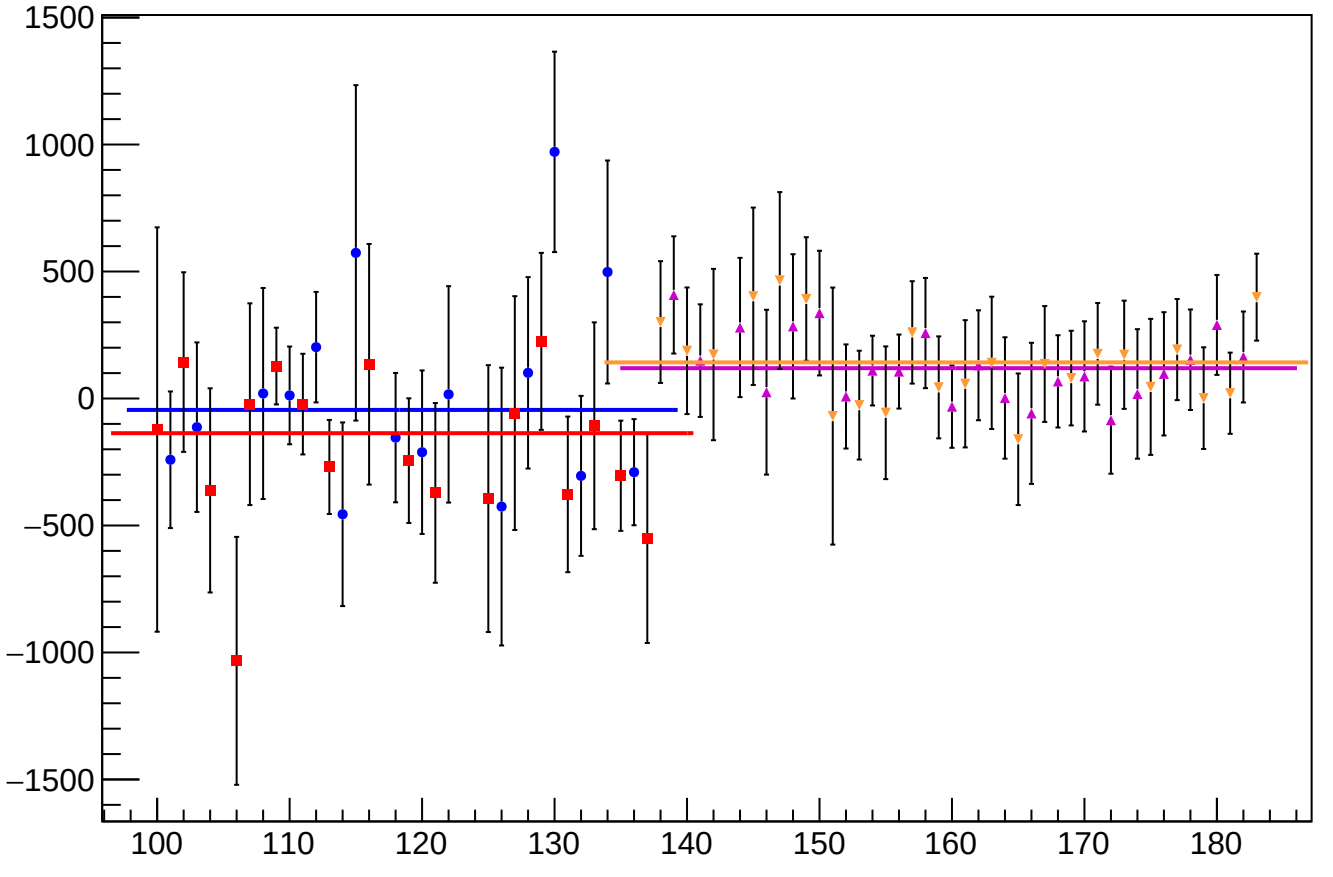
Left: 64.224+/-0.008 χ^2/NDF: 3221996.7/44

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 62.981+/-0.009 χ^2/NDF:2477492.9/37

Out: 64.632+/-0.009 χ^2/NDF:3218581.9/40

All: 63.789+/-0.007 χ^2/NDF: 5711593.1/78



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 142.220+/-47.493 χ^2/NDF:10.1/22

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 119.365+/-44.069 χ^2/NDF:7.4/21

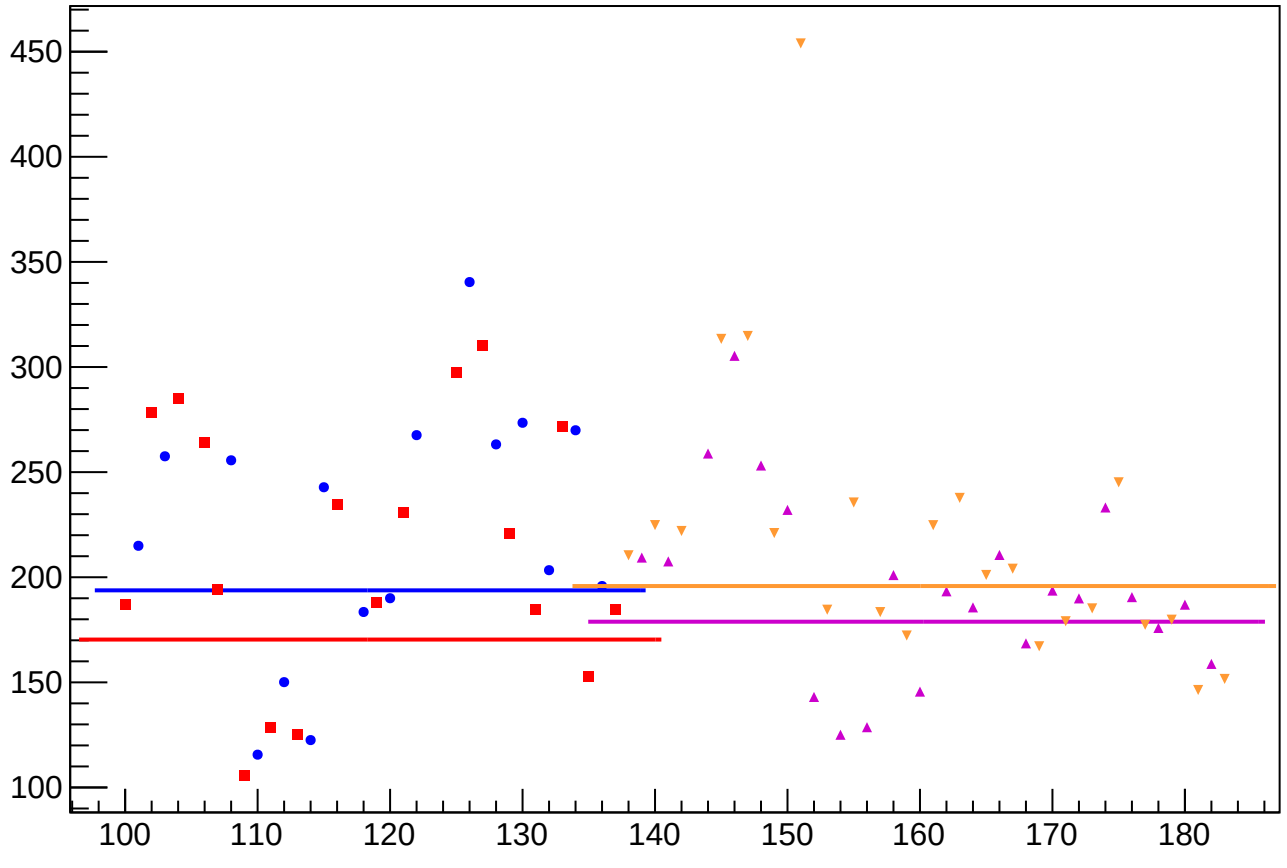
Left: 129.939+/-32.304 χ^2/NDF: 17.6/44

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 78.188+/-38.148 χ^2/NDF:26.4/37

Out: 51.392+/-38.997 χ^2/NDF:34.1/40

All: 65.085+/-27.270 χ^2/NDF: 60.7/78



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 195.815+/-0.034 χ^2/NDF:1706293.4/22

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 178.848+/-0.031 χ^2/NDF:1665544.3/21

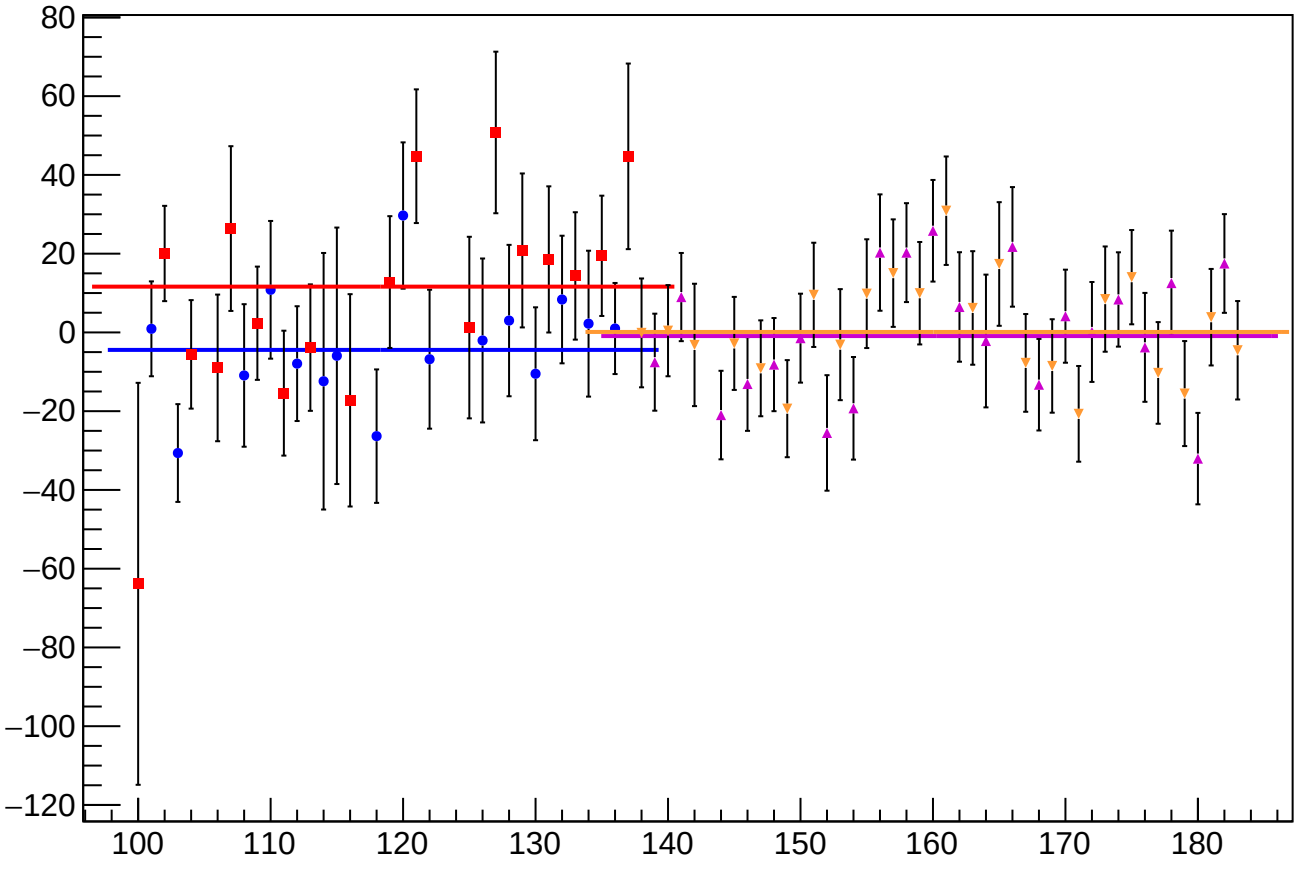
Left: 186.698+/-0.023 χ^2/NDF: 3508994.8/44

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 182.587+/-0.027 χ^2/NDF:2771098.5/37

Out: 187.521+/-0.028 χ^2/NDF:3492522.4/40

All: 185.000+/-0.019 χ^2/NDF: 6279978.4/78



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.120+/-2.708 χ^2/NDF:20.2/22

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: -0.406+/-1.911 χ^2/NDF: 54.8/44

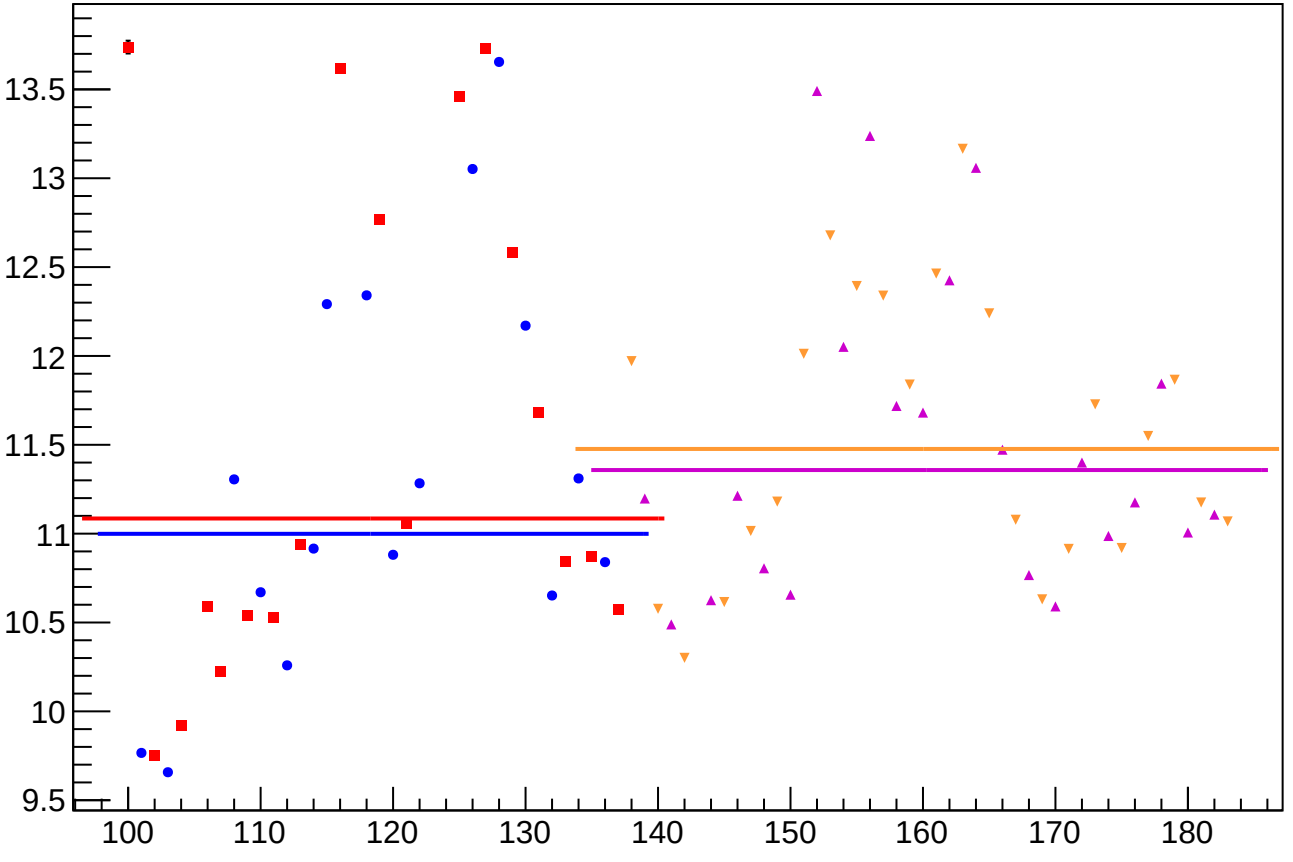
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -1.977+/-2.259 χ^2/NDF:47.0/37

Out: 3.572+/-2.266 χ^2/NDF:47.3/40

All: 0.789+/-1.600 χ^2/NDF: 97.3/78

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: 11.477+/-0.002 χ^2/NDF:146025.3/22

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.358+/-0.002 χ^2/NDF:169952.3/21

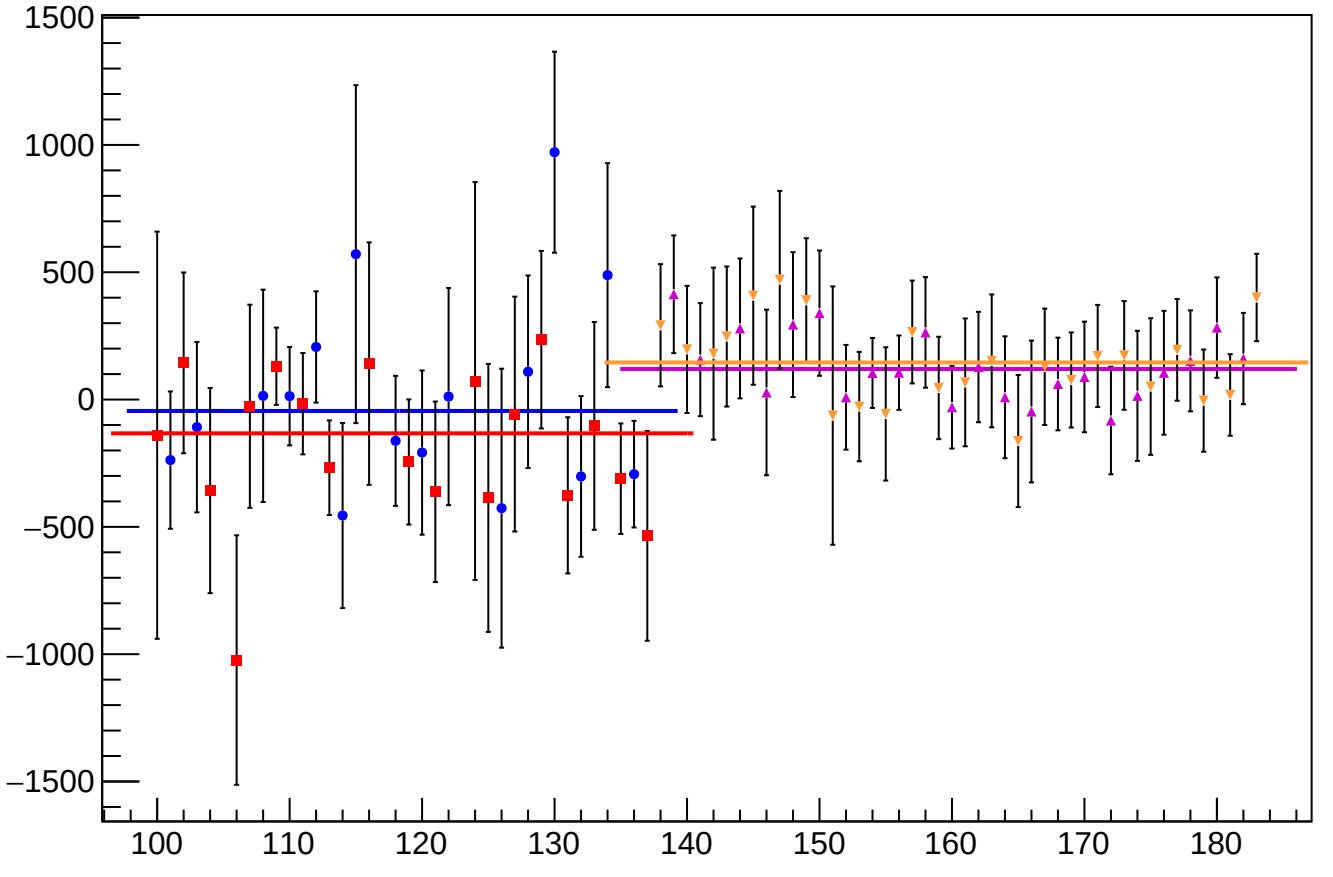
Left: 11.417+/-0.001 χ^2/NDF: 317906.3/44

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.251+/-0.002 χ^2/NDF:316696.4/37

Out: 11.359+/-0.002 χ^2/NDF:320760.7/40

All: 11.305+/-0.001 χ^2/NDF: 639761.4/78



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 145.653+/-46.886 χ^2/NDF:10.3/23

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: 132.041+/-32.140 χ^2/NDF: 17.8/45

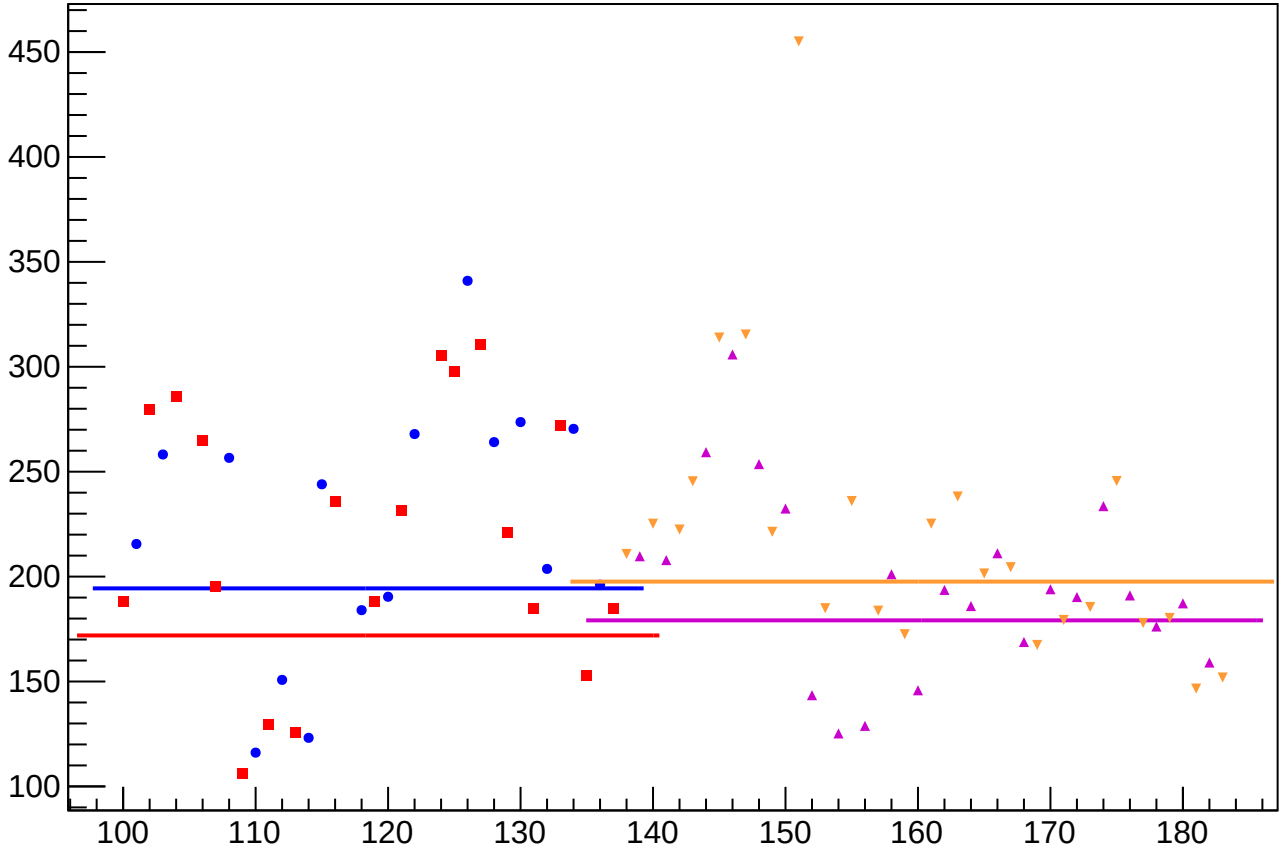
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 78.754+/-38.224 χ^2/NDF:26.3/37

Out: 56.432+/-38.649 χ^2/NDF:34.4/42

All: 67.717+/-27.178 χ^2/NDF: 60.9/80

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: 197.615+/-0.033 χ^2/NDF:1768893.6/23

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: 187.823+/-0.023 χ^2/NDF: 3599505.4/45

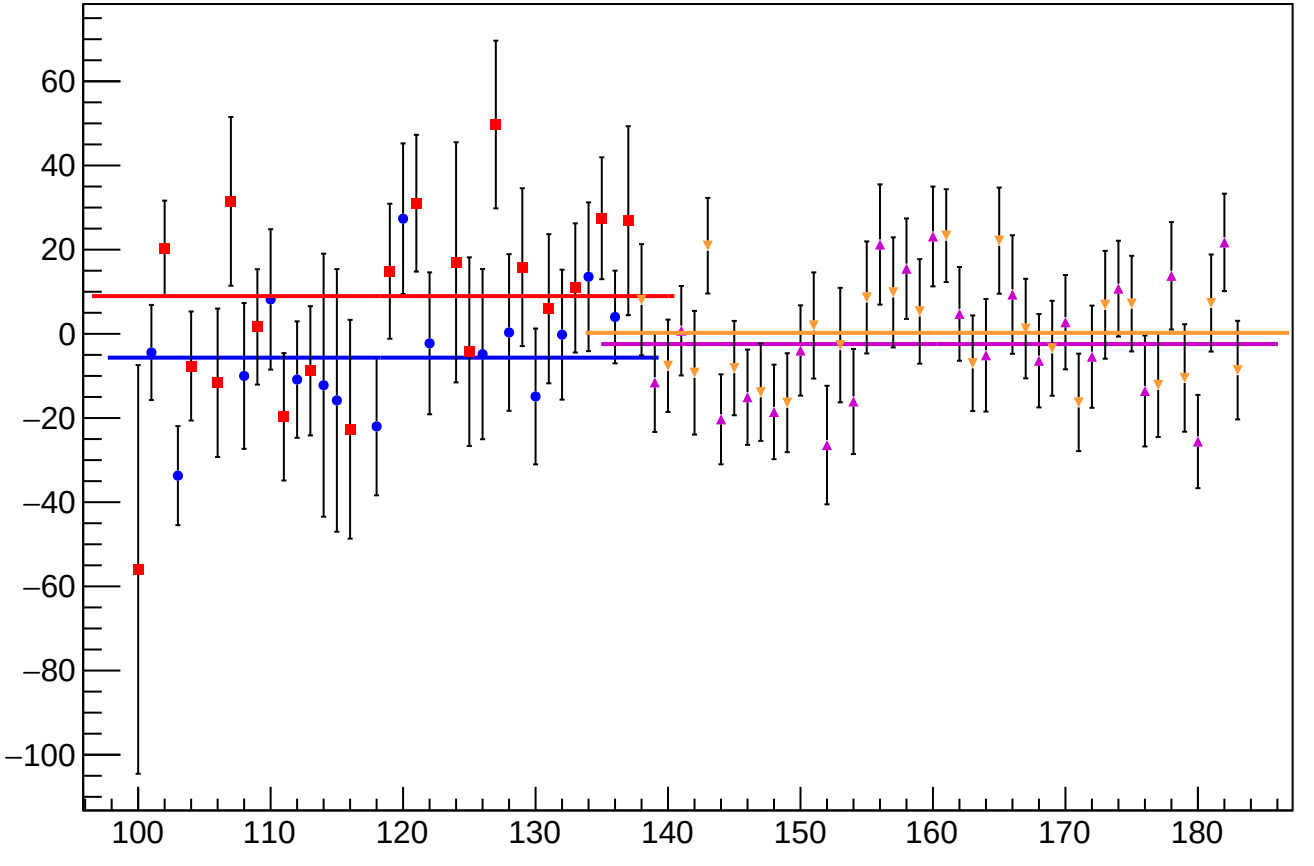
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.957+/-0.027 χ^2/NDF:2767747.1/37

Out: 189.389+/-0.027 χ^2/NDF:3612312.5/42

All: 186.137+/-0.019 χ^2/NDF: 6408058.2/80

asym_bcm_an_us_an_ds3_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.235+/-2.464 χ^2/NDF:23.1/23

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -2.422+/-2.527 χ^2/NDF:34.5/21

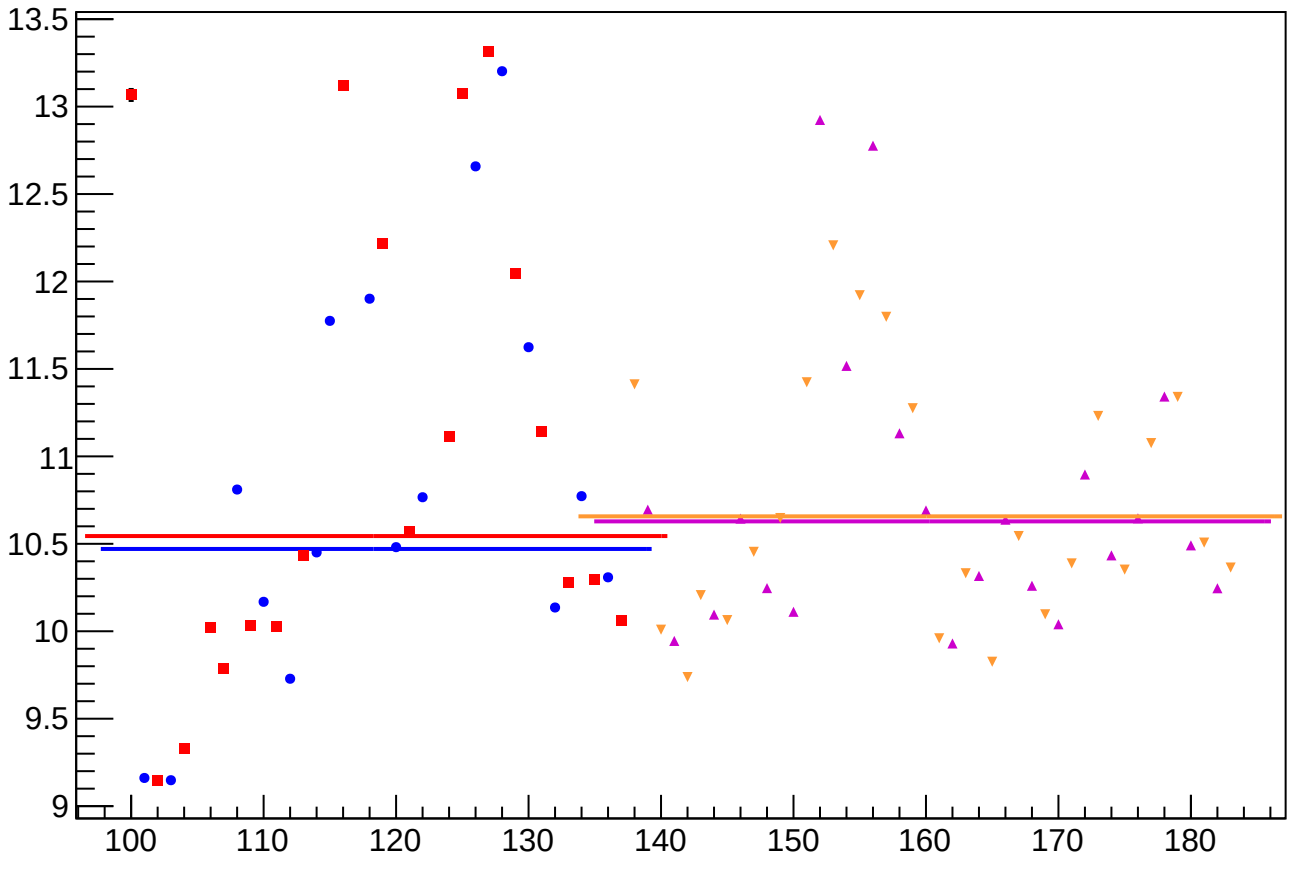
Left: -1.060+/-1.764 χ^2/NDF: 58.1/45

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.366+/-2.127 χ^2/NDF:48.7/37

Out: 2.723+/-2.083 χ^2/NDF:49.4/42

All: -0.258+/-1.488 χ^2/NDF: 102.3/80



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.657+/-0.002 χ^2/NDF:141857.7/23

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.628+/-0.002 χ^2/NDF:159418.4/21

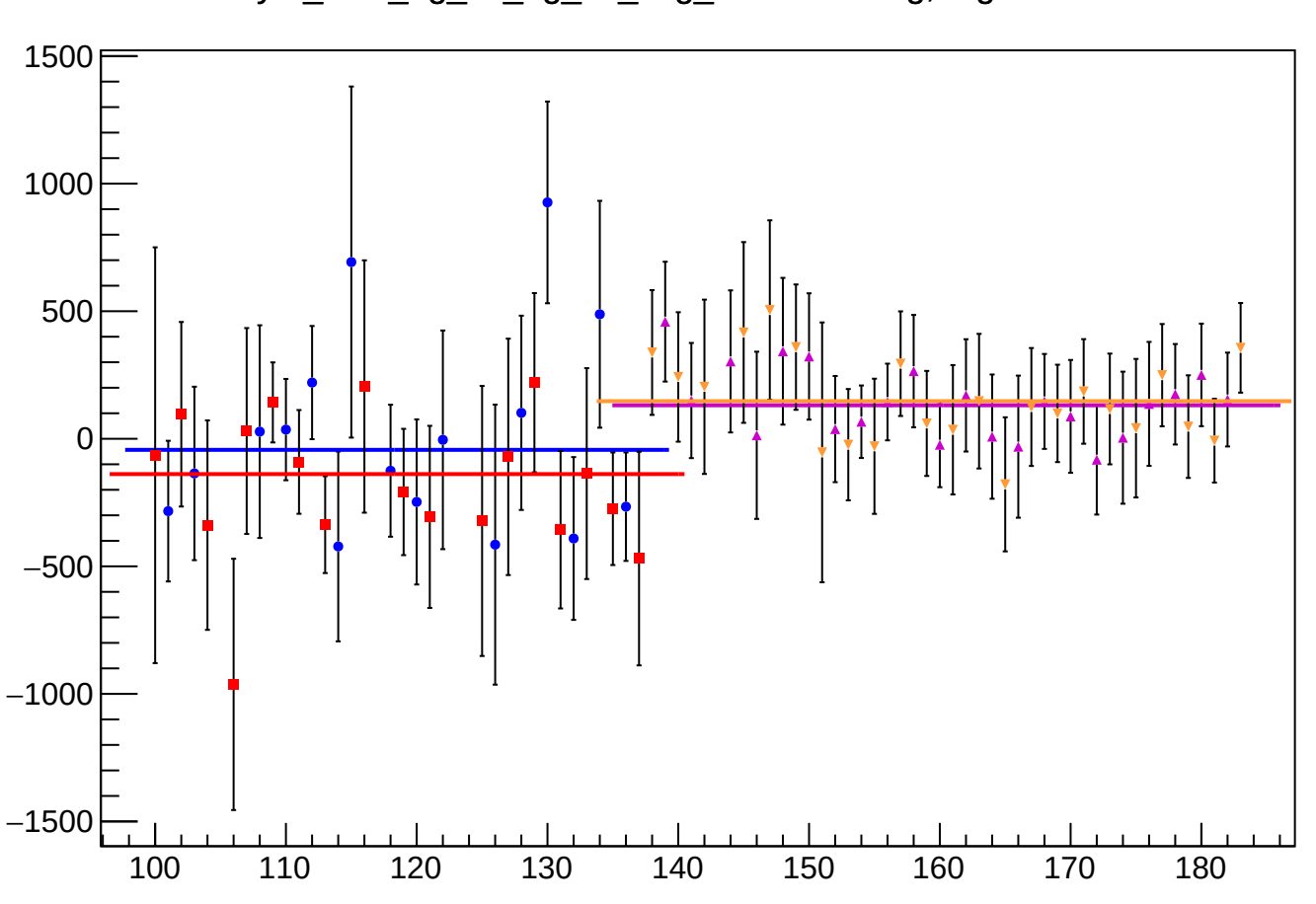
Left: 10.643+/-0.001 χ^2/NDF: 301409.3/45

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.582+/-0.002 χ^2/NDF:319053.9/37

Out: 10.625+/-0.001 χ^2/NDF:329831.5/42

All: 10.604+/-0.001 χ^2/NDF: 649295.7/80



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 147.357+/-48.325 χ^2/NDF:9.9/22

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 131.270+/-44.932 χ^2/NDF:7.6/21

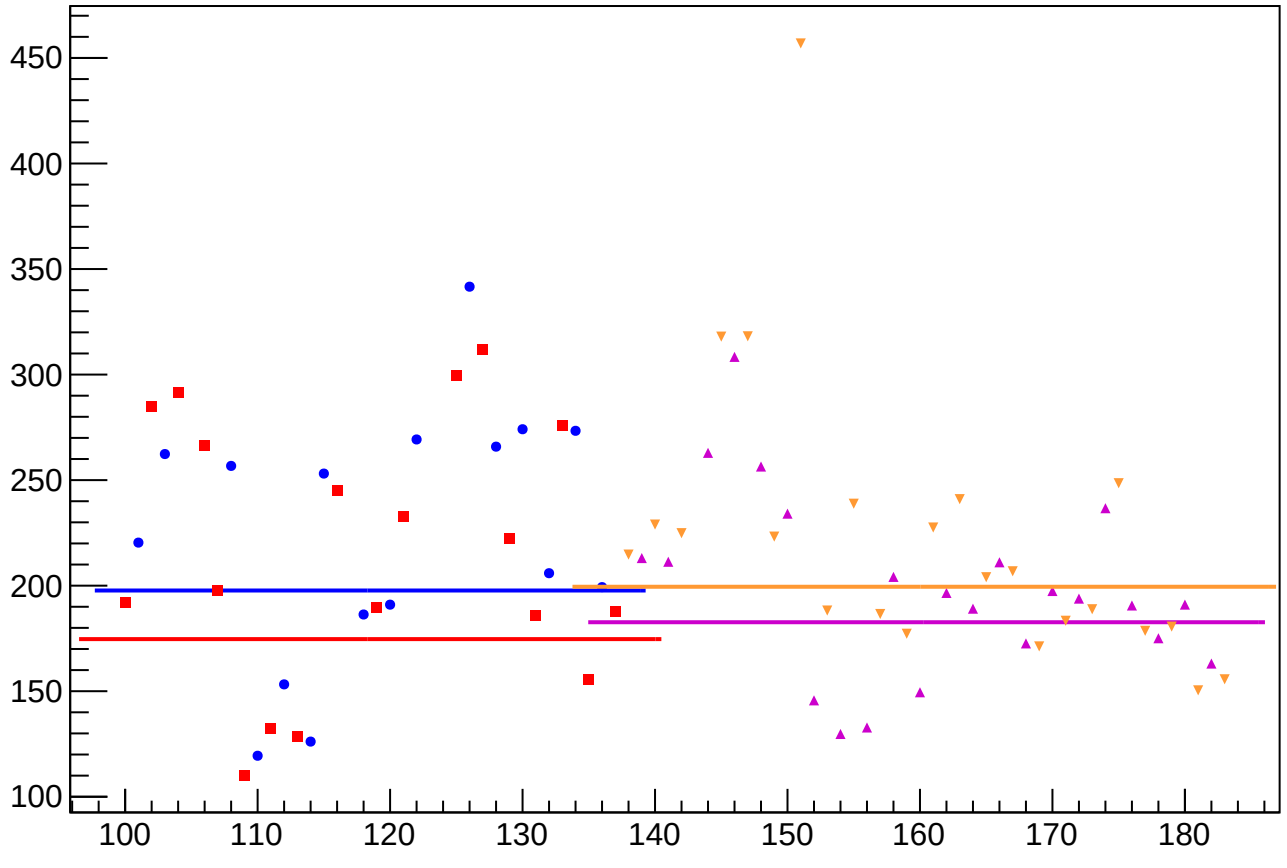
Left: 138.729+/-32.906 χ^2/NDF: 17.5/44

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 87.403+/-38.882 χ^2/NDF:26.8/37

Out: 54.807+/-39.738 χ^2/NDF:32.6/40

All: 71.460+/-27.792 χ^2/NDF: 59.8/78



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 199.483+/-0.034 χ^2/NDF:1652961.7/22

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 182.673+/-0.032 χ^2/NDF:1572249.6/21

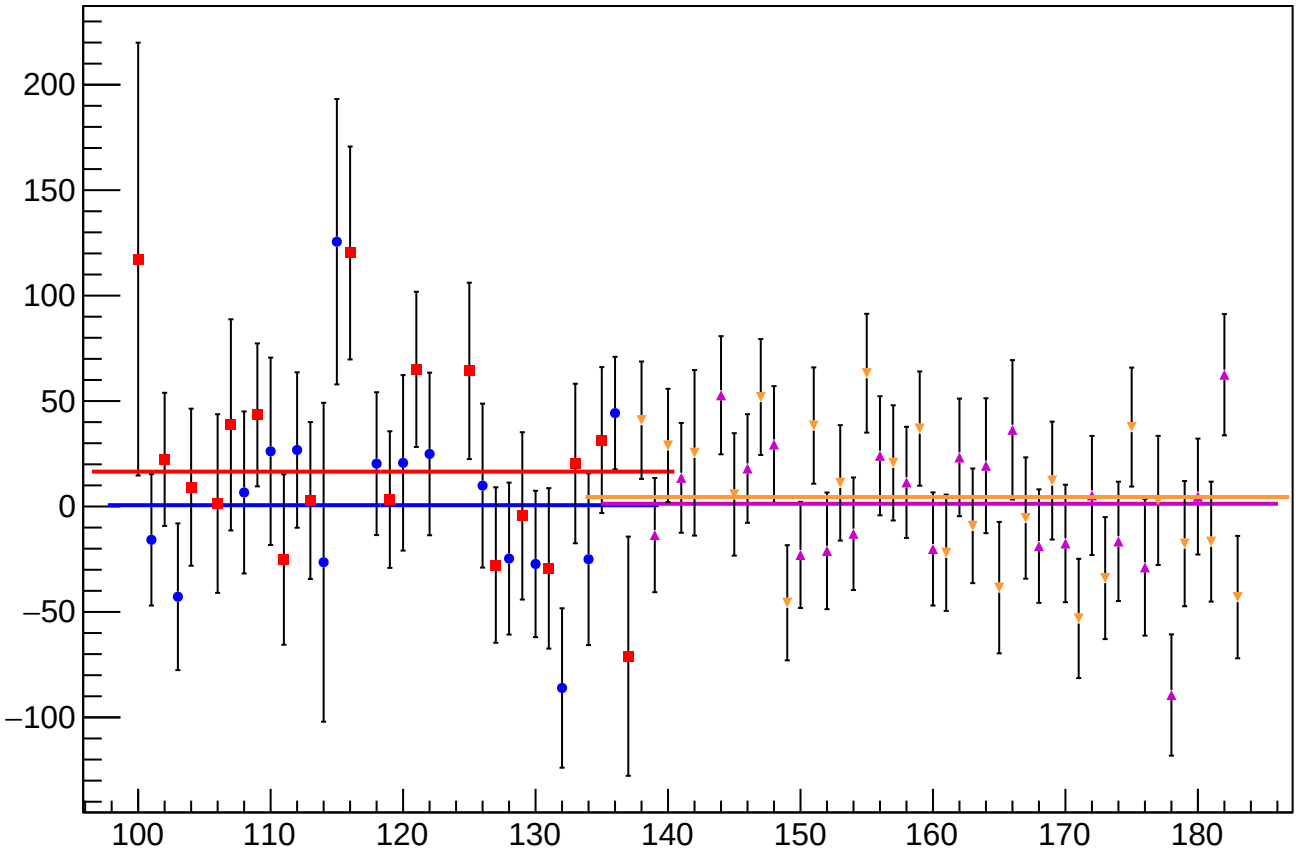
Left: 190.467+/-0.023 χ^2/NDF: 3355006.2/44

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 186.449+/-0.027 χ^2/NDF:2628812.4/37

Out: 191.451+/-0.028 χ^2/NDF:3358331.7/40

All: 188.896+/-0.020 χ^2/NDF: 6003333.8/78



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 4.483+/-5.944 χ^2/NDF:31.2/22

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 1.294+/-5.939 χ^2/NDF:27.5/21

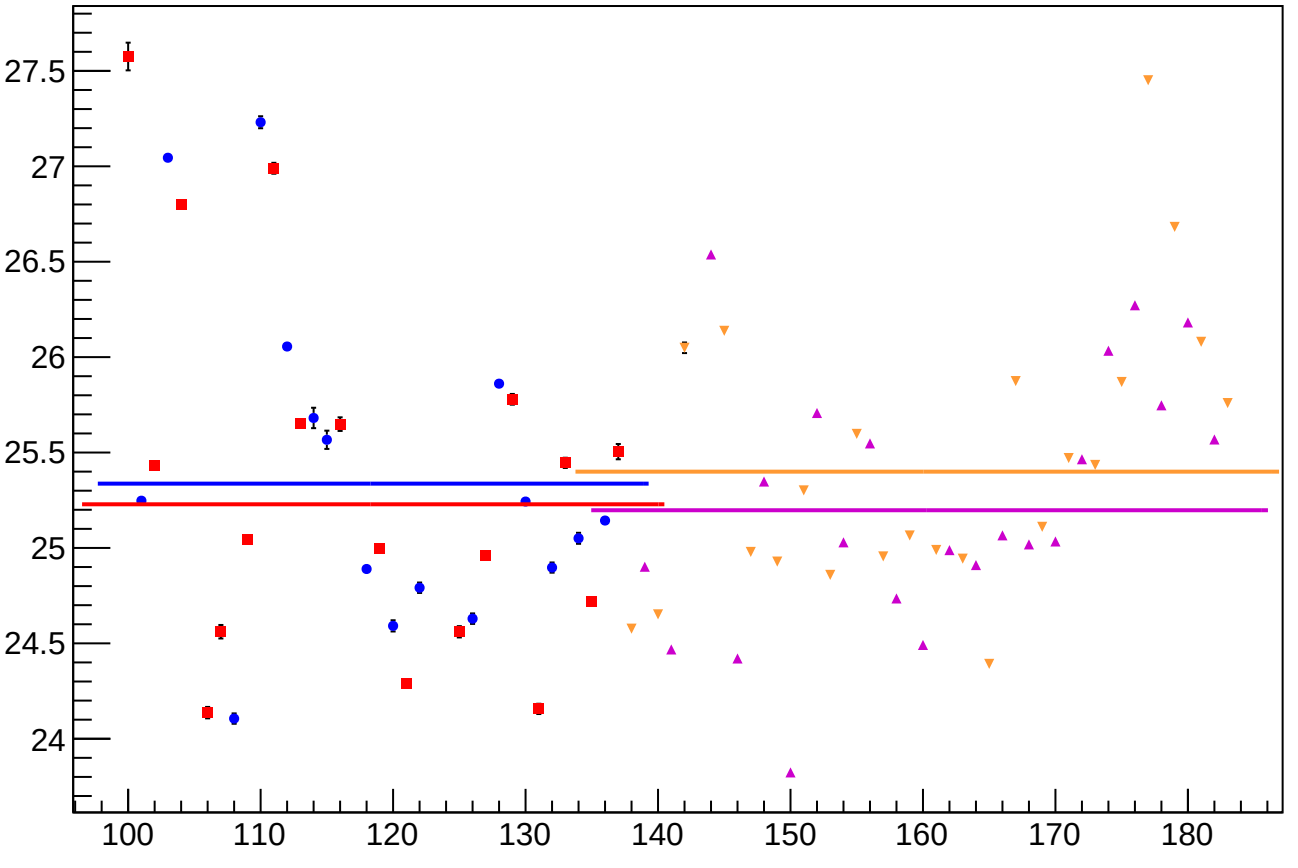
Left: 2.887+/-4.201 χ^2/NDF: 58.9/44

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 1.102+/-5.024 χ^2/NDF:44.2/37

Out: 7.974+/-5.009 χ^2/NDF:48.8/40

All: 4.548+/-3.547 χ^2/NDF: 94.0/78



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.400+/-0.004 χ^2/NDF:26525.8/22

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.198+/-0.004 χ^2/NDF:25515.1/21

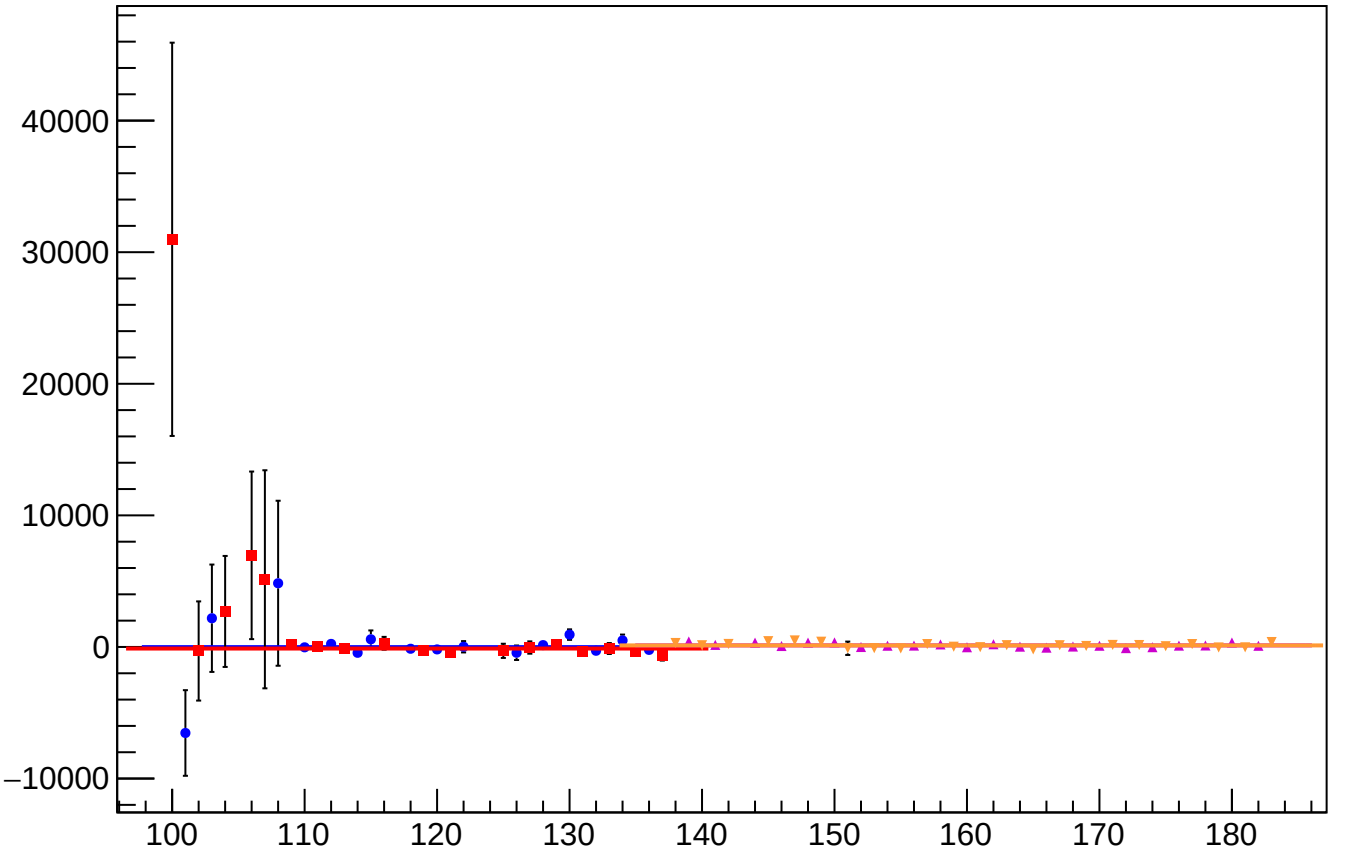
Left: 25.299+/-0.003 χ^2/NDF: 53199.4/44

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.237+/-0.004 χ^2/NDF:40143.6/37

Out: 25.350+/-0.004 χ^2/NDF:42181.7/40

All: 25.294+/-0.003 χ^2/NDF: 82832.8/78



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 117.980+/-48.031 χ^2/NDF:11.8/22

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 119.920+/-45.307 χ^2/NDF:8.1/21

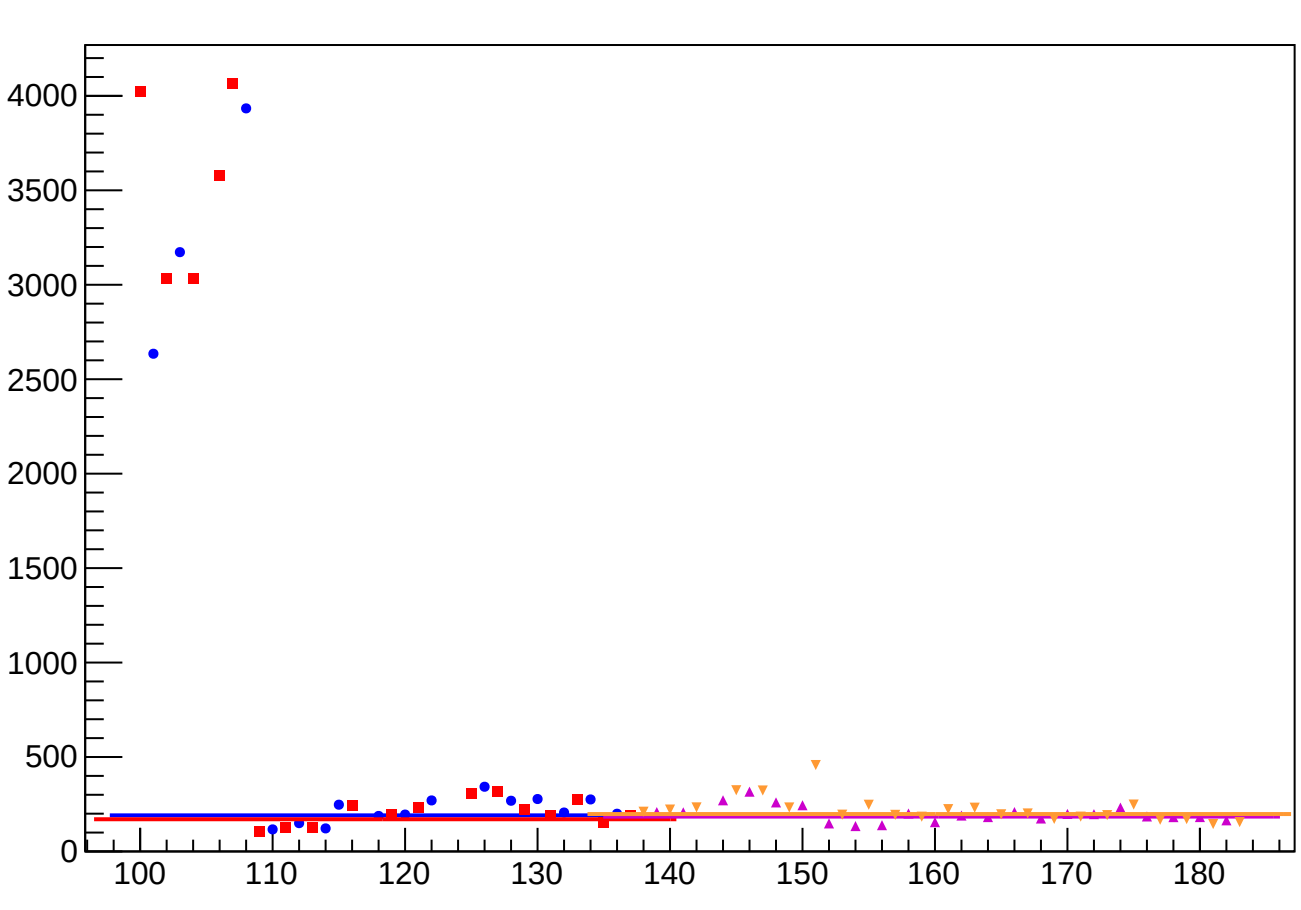
Left: 119.007+/-32.958 χ^2/NDF: 20.0/44

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 90.180+/-39.925 χ^2/NDF:28.4/37

Out: 52.854+/-40.934 χ^2/NDF:32.9/40

All: 71.983+/-28.581 χ^2/NDF: 61.7/78



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 198.003+/-0.034 χ^2/NDF:1768848.9/22

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 184.640+/-0.032 χ^2/NDF:1430643.9/21

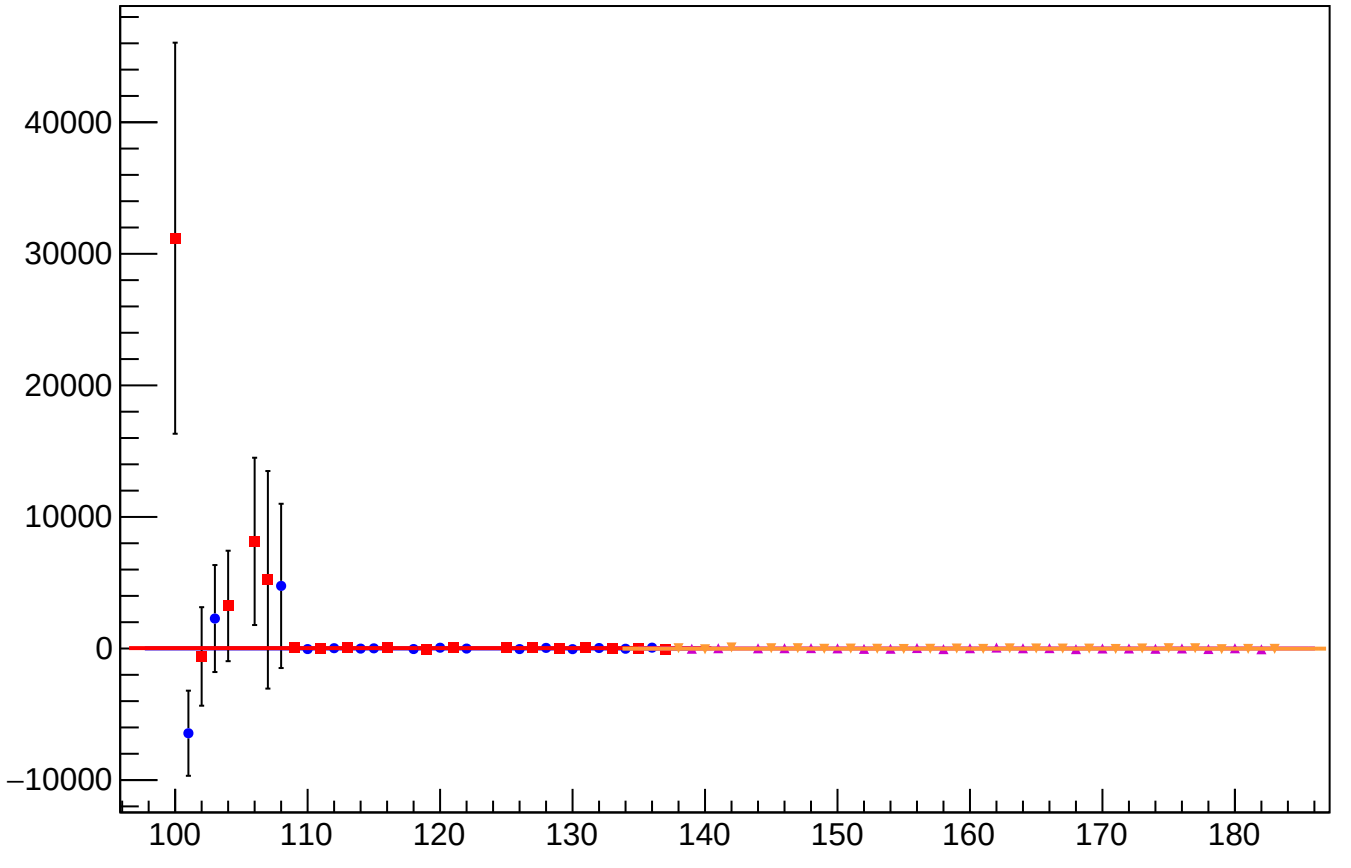
Left: 190.932+/-0.023 χ^2/NDF: 3281415.3/44

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 186.077+/-0.028 χ^2/NDF:5273598.9/37

Out: 190.474+/-0.029 χ^2/NDF:6203220.8/40

All: 188.221+/-0.020 χ^2/NDF: 11488649.3/78



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -10.225+/-6.700 χ^2/NDF:16.3/22

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: -3.717+/-4.769 χ^2/NDF: 40.1/44

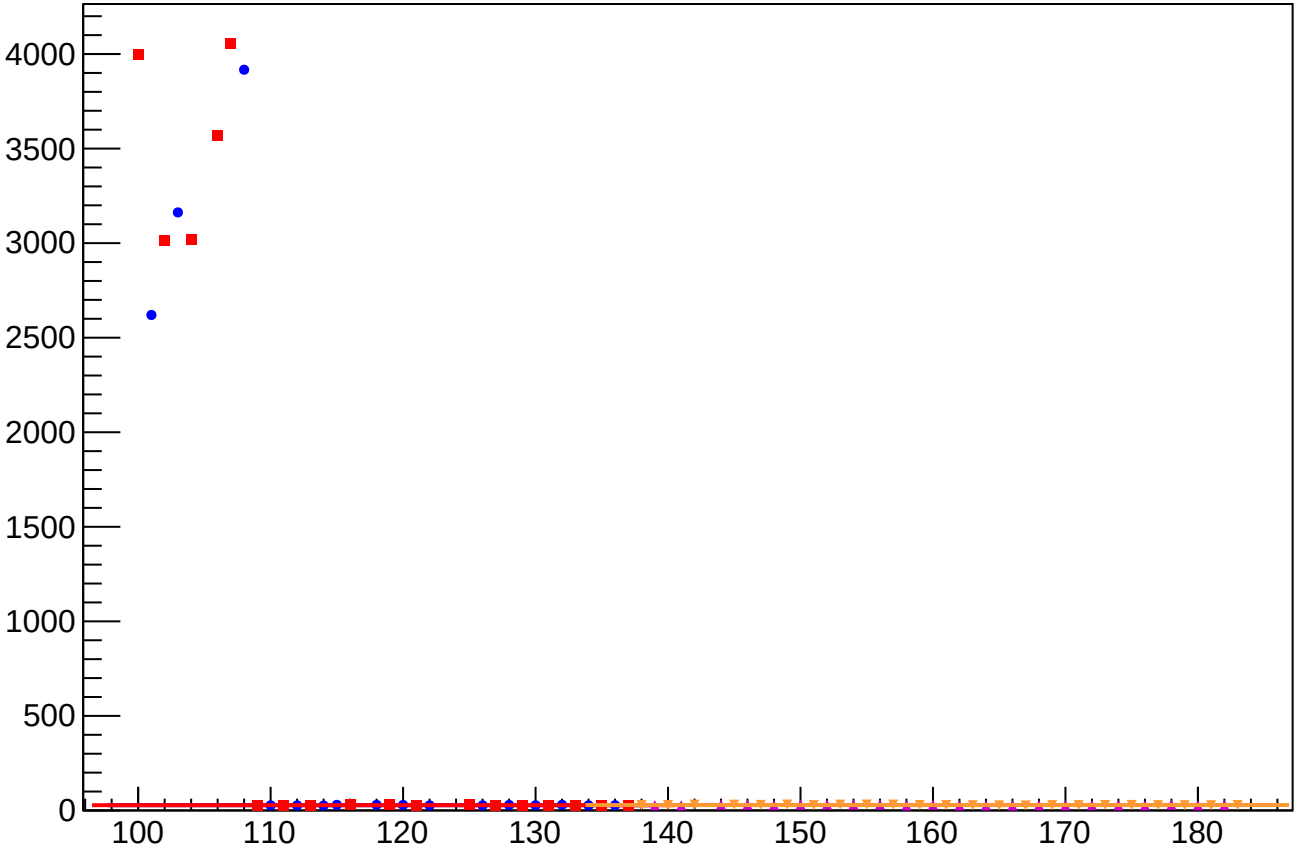
Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 3.844+/-5.880 χ^2/NDF:40.3/37

Out: -0.592+/-5.860 χ^2/NDF:44.9/40

All: 1.618+/-4.150 χ^2/NDF: 85.5/78

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: 28.592+/-0.005 χ^2/NDF:80997.3/22

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.730+/-0.005 χ^2/NDF:127373.2/21

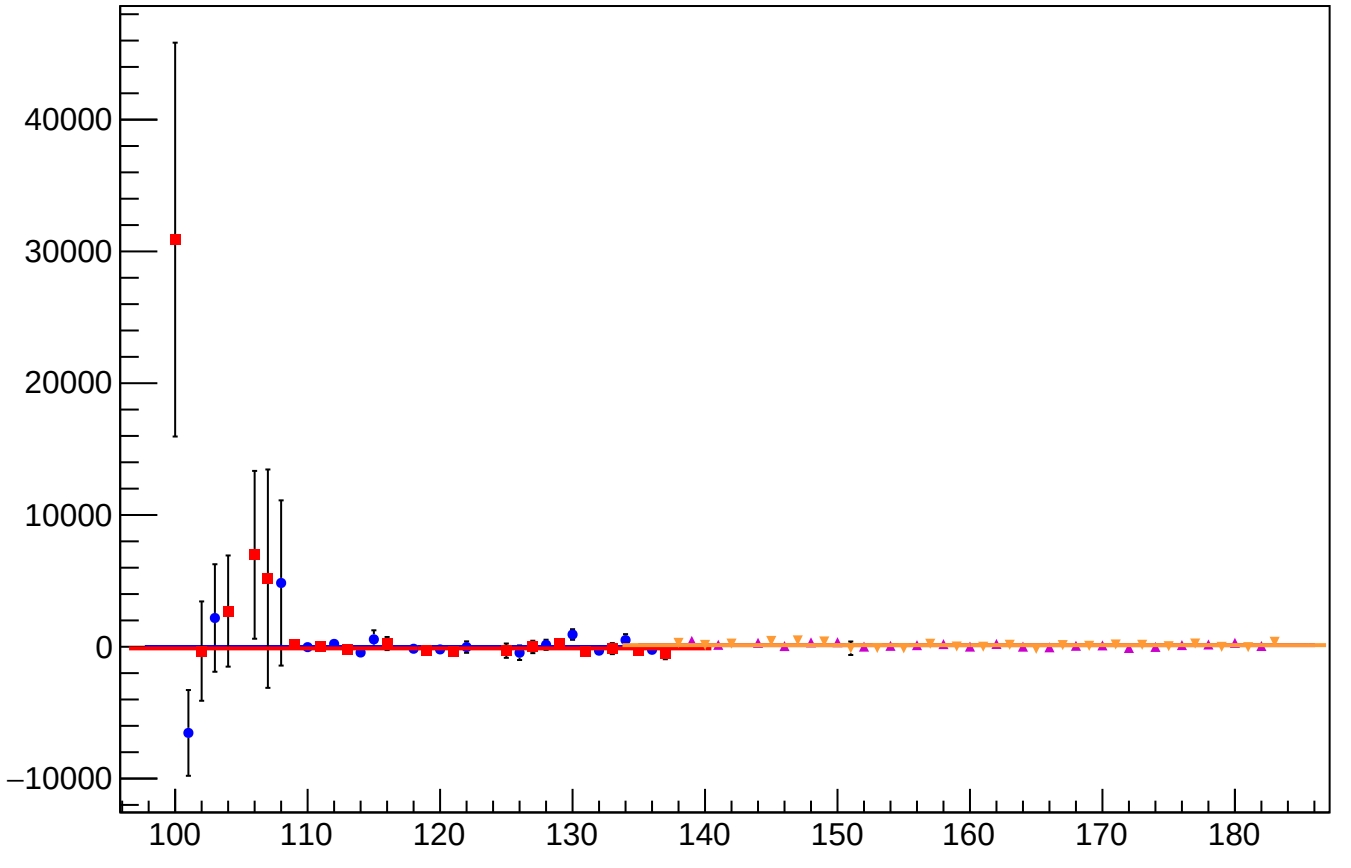
Left: 28.660+/-0.003 χ^2/NDF: 208784.0/44

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.504+/-0.004 χ^2/NDF:3402142.8/37

Out: 28.401+/-0.004 χ^2/NDF:3646341.1/40

All: 28.452+/-0.003 χ^2/NDF: 7048789.5/78



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 124.109+/-48.447 χ^2/NDF:11.5/22

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: 125.787+/-33.253 χ^2/NDF: 19.1/44

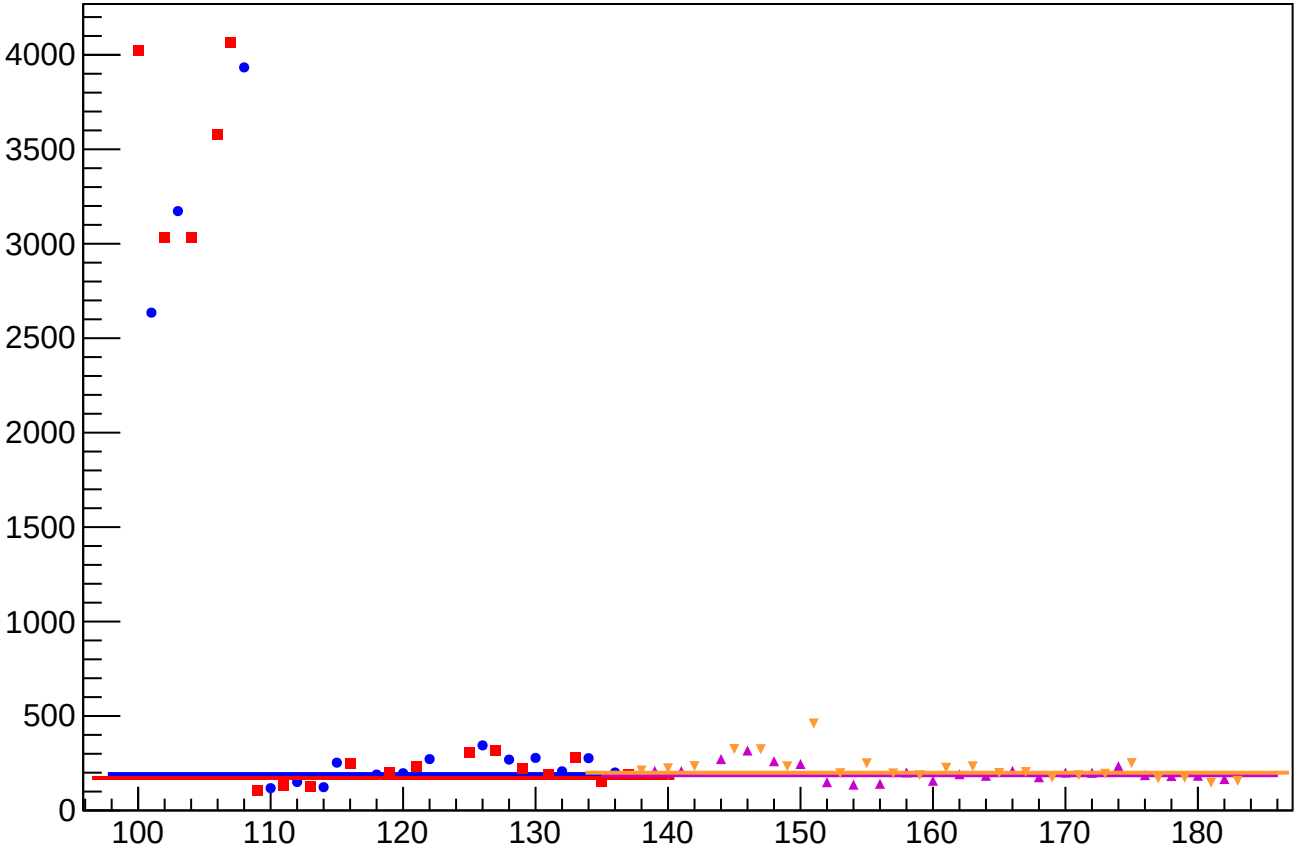
Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 94.373+/-40.274 χ^2/NDF:28.1/37

Out: 56.779+/-41.277 χ^2/NDF:31.8/40

All: 76.038+/-28.826 χ^2/NDF: 60.3/78

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 199.807+/-0.034 χ^2/NDF:1746337.6/22

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 186.467+/-0.032 χ^2/NDF:1390679.8/21

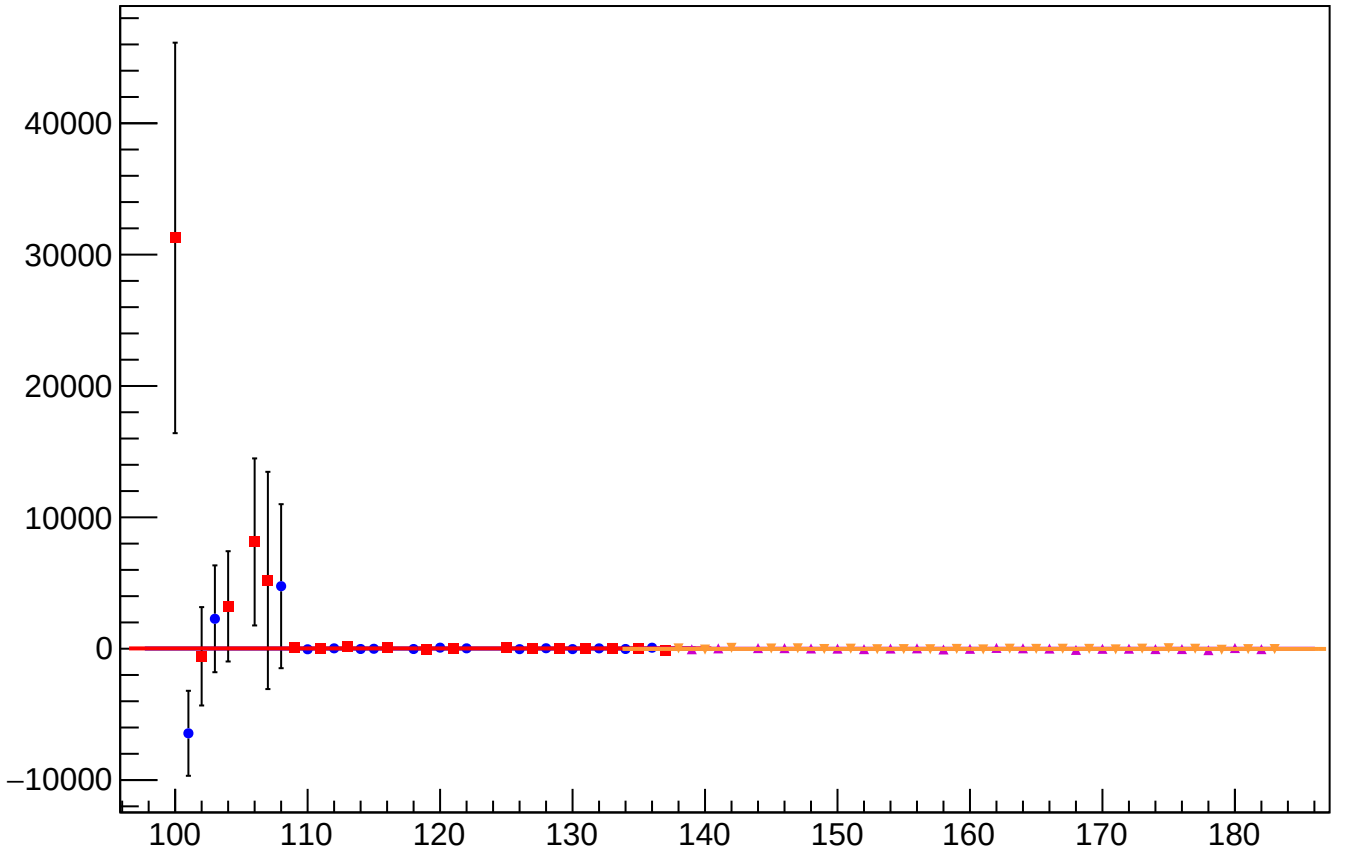
Left: 192.752+/-0.024 χ^2/NDF: 3217223.1/44

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 187.833+/-0.028 χ^2/NDF:5221430.8/37

Out: 192.158+/-0.029 χ^2/NDF:6176047.9/40

All: 189.942+/-0.020 χ^2/NDF: 11408728.6/78



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -17.267+/-7.308 χ^2/NDF:19.1/22

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: -2.824+/-7.407 χ^2/NDF:35.5/21

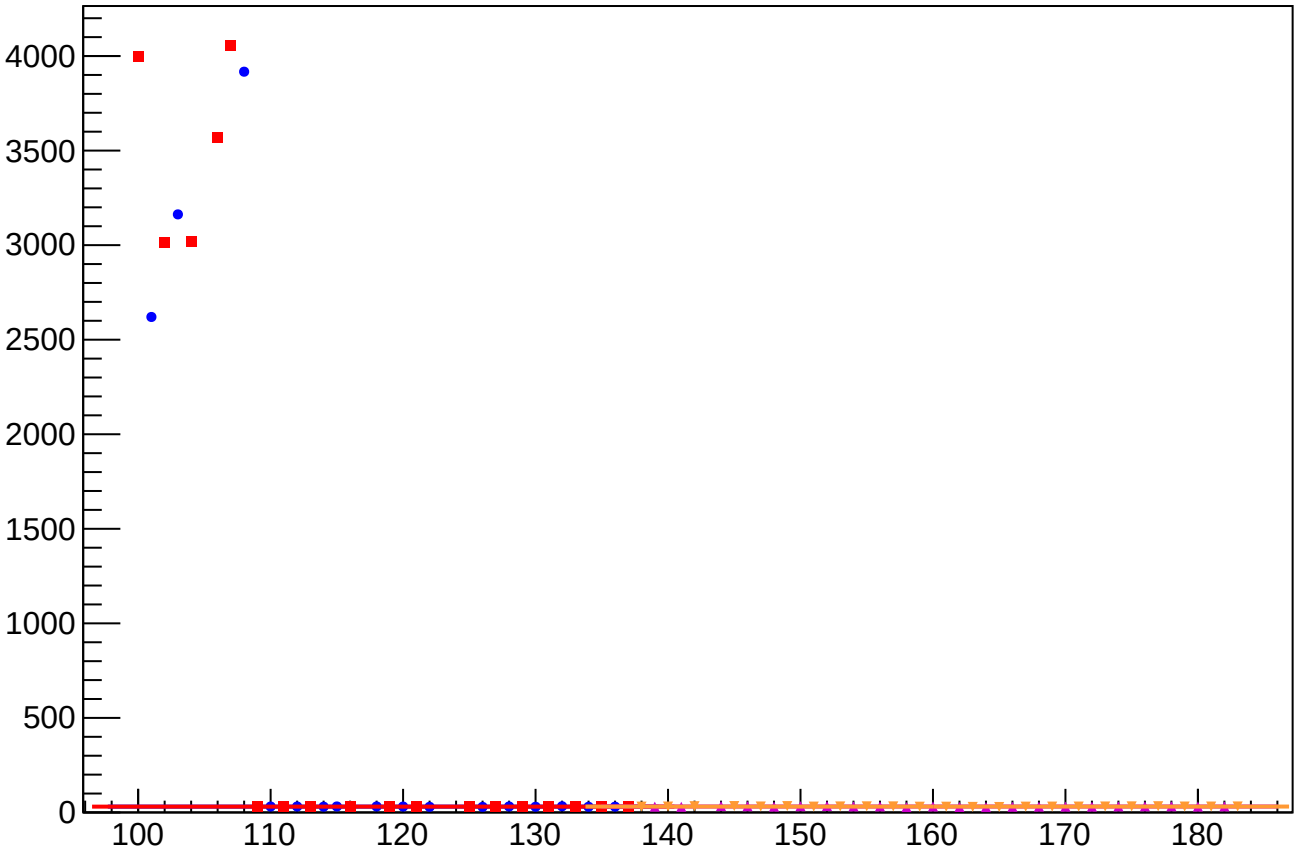
Left: -10.142+/-5.202 χ^2/NDF: 56.6/44

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 1.199+/-6.443 χ^2/NDF:52.2/37

Out: -8.268+/-6.414 χ^2/NDF:54.1/40

All: -3.555+/-4.546 χ^2/NDF: 107.3/78



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.211+/-0.005 χ^2/NDF:47089.6/22

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.373+/-0.005 χ^2/NDF:85124.7/21

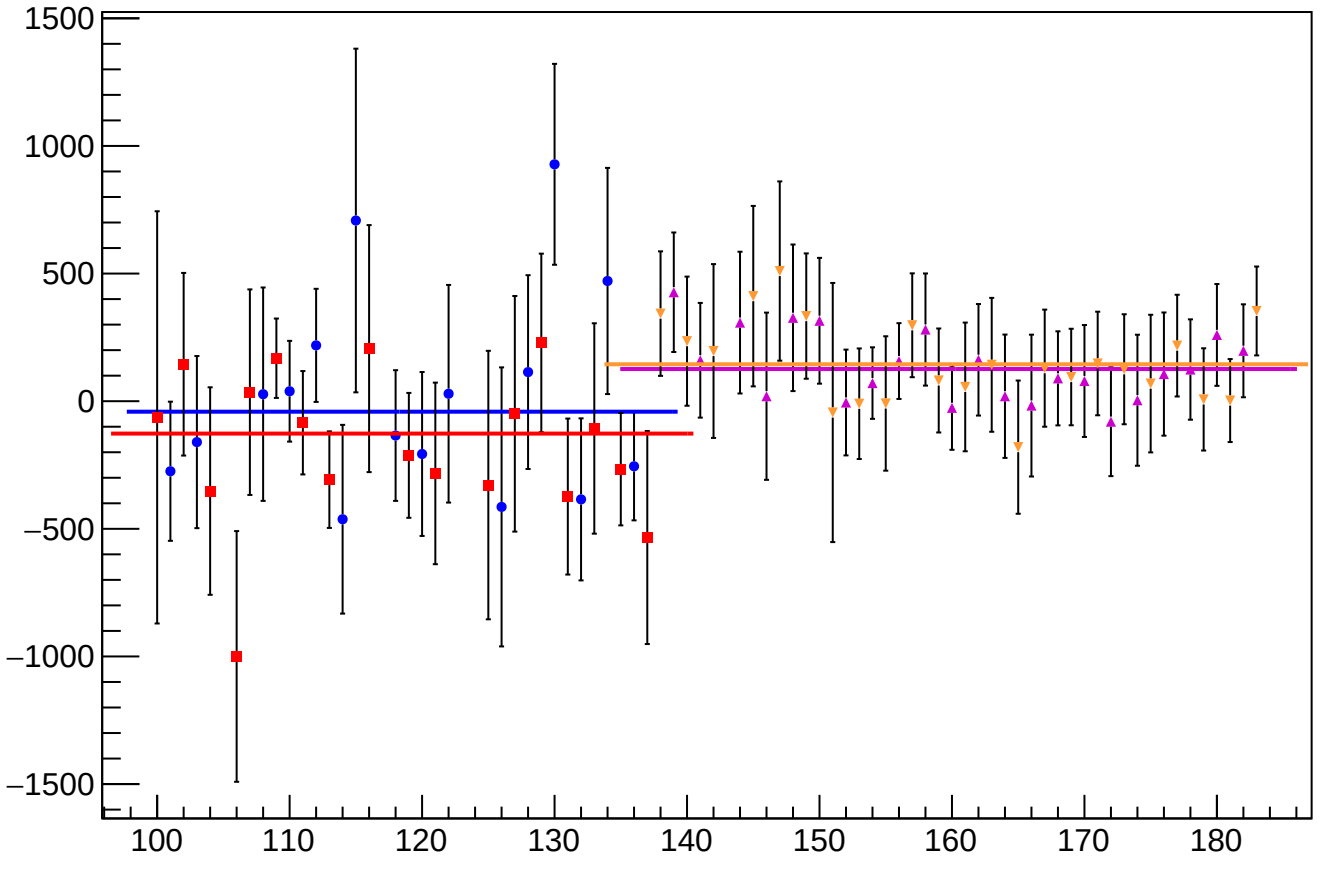
Left: 31.291+/-0.004 χ^2/NDF: 132699.5/44

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.265+/-0.005 χ^2/NDF:3339483.3/37

Out: 31.117+/-0.005 χ^2/NDF:3584470.9/40

All: 31.191+/-0.003 χ^2/NDF: 6924479.7/78



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 144.652+/-47.995 χ^2/NDF:9.3/22

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 125.990+/-44.584 χ^2/NDF:7.6/21

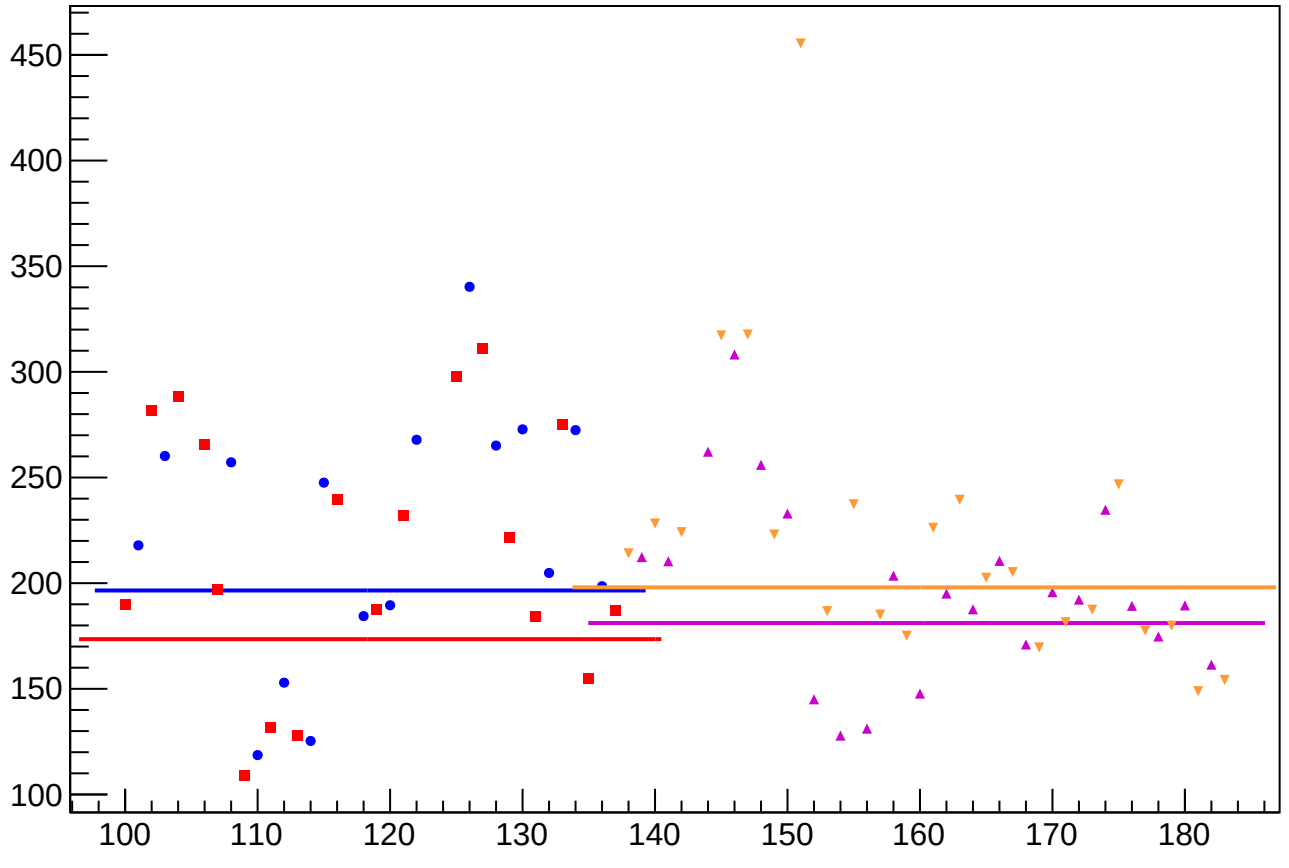
Left: 134.635+/-32.665 χ^2/NDF: 17.0/44

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 84.146+/-38.601 χ^2/NDF:26.7/37

Out: 56.768+/-39.471 χ^2/NDF:32.5/40

All: 70.763+/-27.597 χ^2/NDF: 59.4/78



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 198.012+/-0.034 χ^2/NDF:1680059.3/22

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 181.124+/-0.032 χ^2/NDF:1615823.7/21

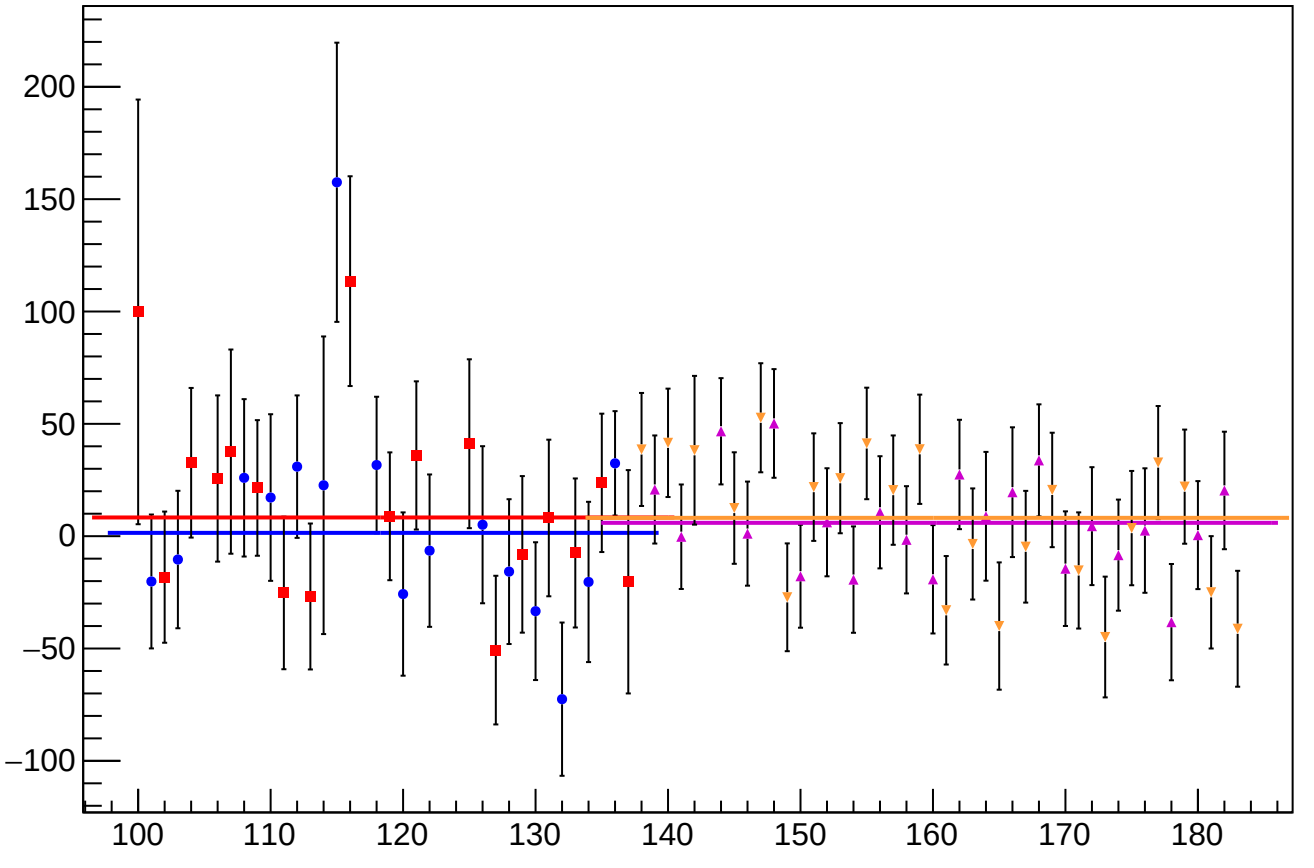
Left: 188.947+/-0.023 χ^2/NDF: 3428812.5/44

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 184.985+/-0.027 χ^2/NDF:2676486.0/37

Out: 190.082+/-0.028 χ^2/NDF:3381495.4/40

All: 187.477+/-0.020 χ^2/NDF: 6075030.5/78



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 8.161+/-5.263 χ^2/NDF:32.2/22

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: 7.056+/-3.730 χ^2/NDF: 49.0/44

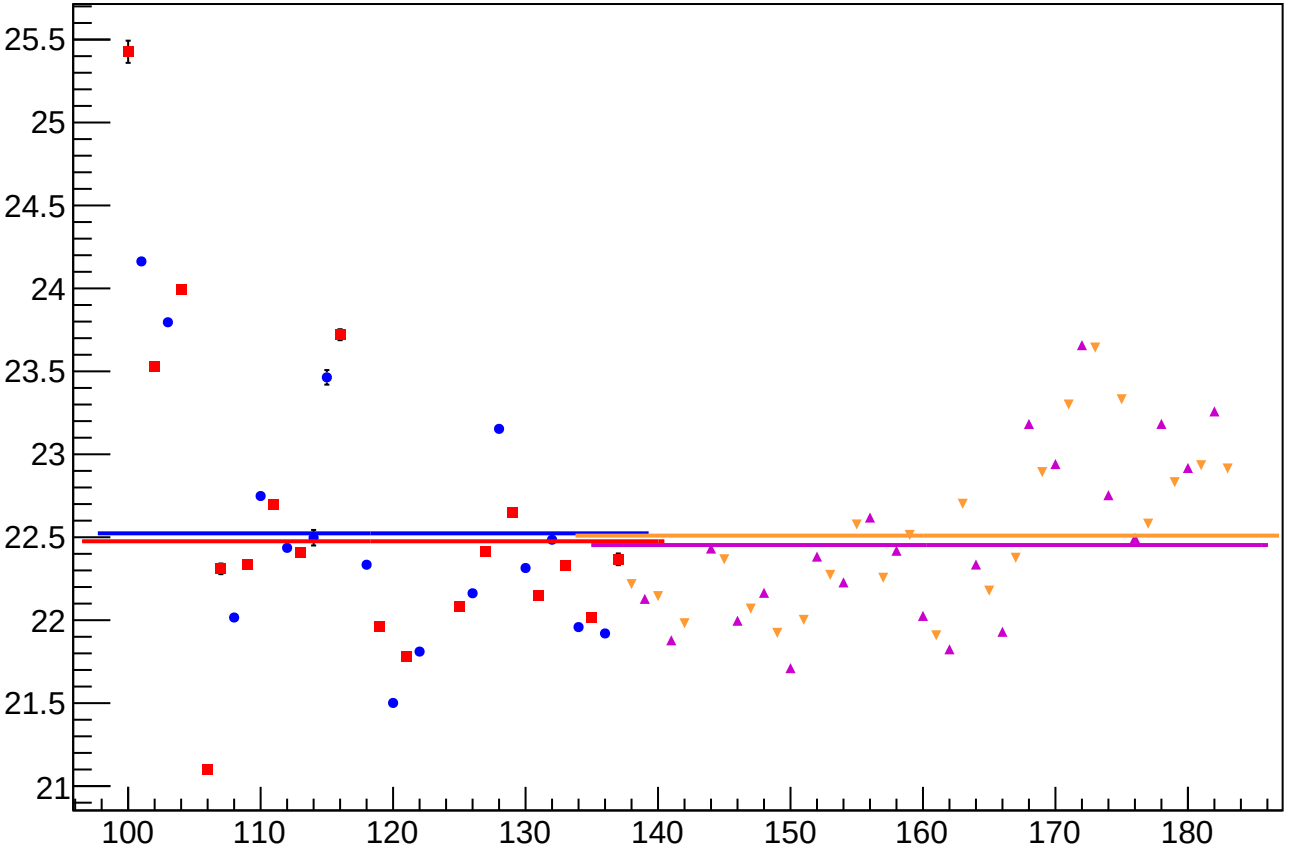
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 4.666+/-4.471 χ^2/NDF:35.6/37

Out: 8.209+/-4.443 χ^2/NDF:48.2/40

All: 6.449+/-3.151 χ^2/NDF: 84.2/78

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.510+/-0.004 χ^2/NDF:15537.4/22

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.453+/-0.004 χ^2/NDF:18878.6/21

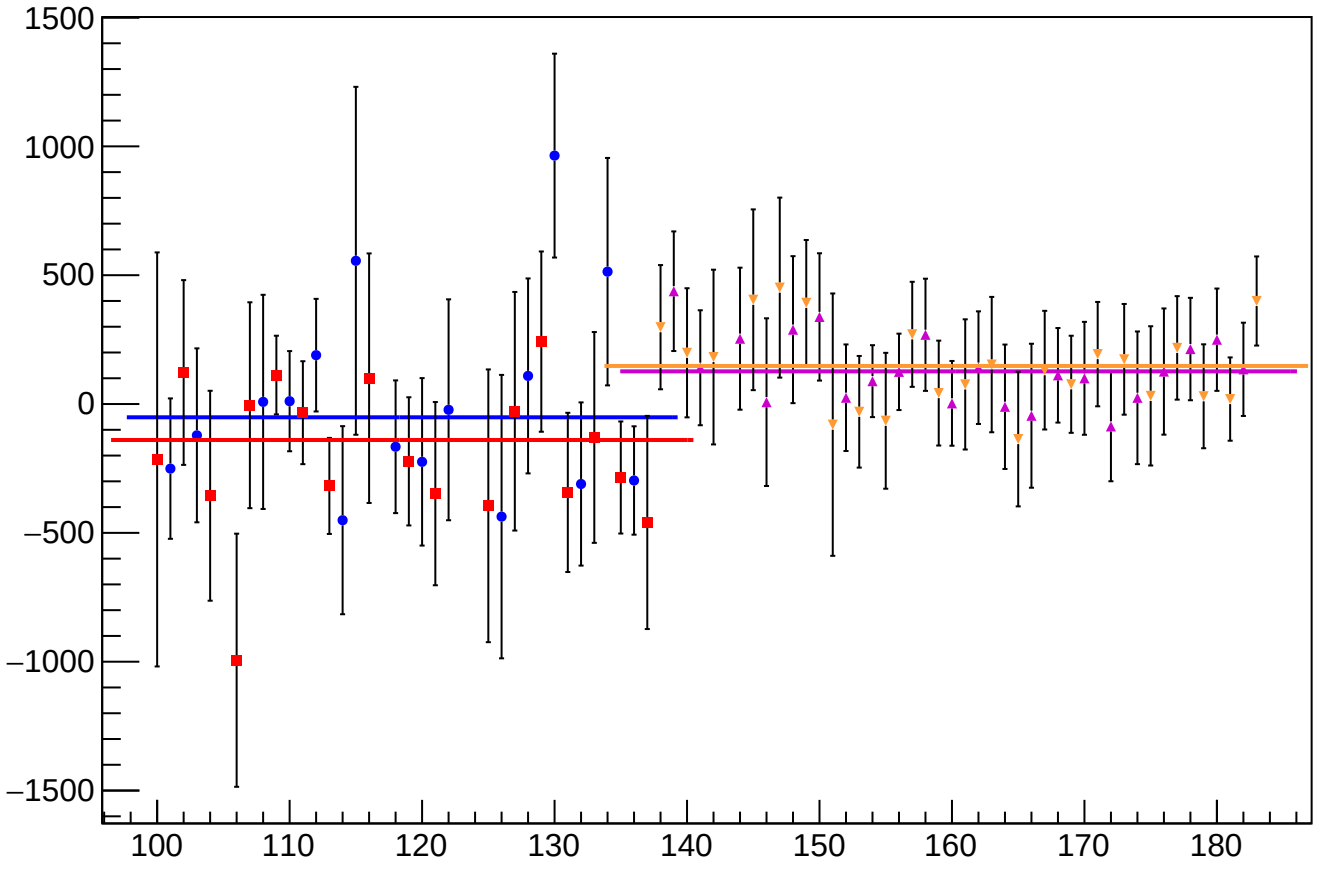
Left: 22.482+/-0.003 χ^2/NDF: 34531.9/44

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.473+/-0.003 χ^2/NDF:34928.0/37

Out: 22.500+/-0.003 χ^2/NDF:31098.2/40

All: 22.487+/-0.002 χ^2/NDF: 66062.5/78



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 147.813+/-47.924 χ^2/NDF:9.8/22

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: 136.545+/-32.614 χ^2/NDF: 16.9/44

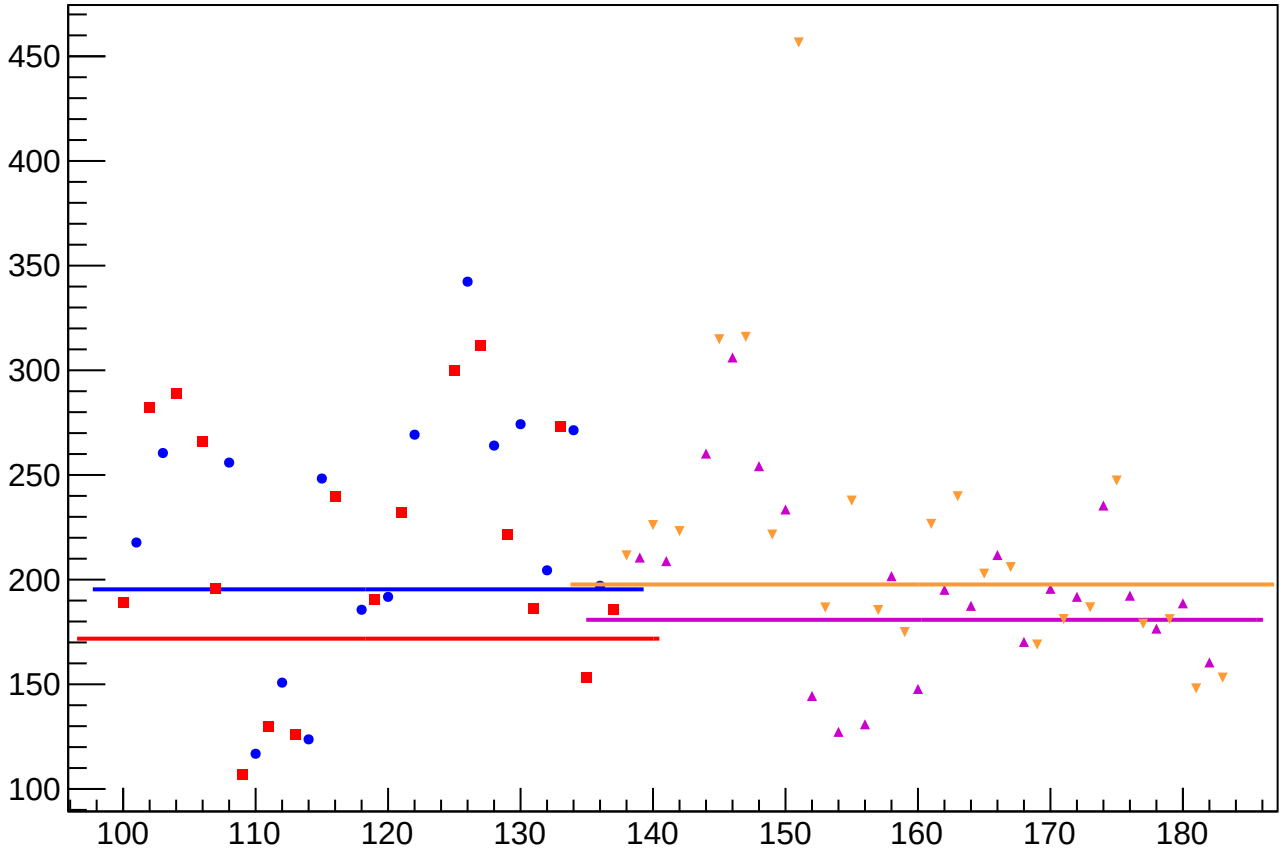
Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 81.985+/-38.511 χ^2/NDF:26.4/37

Out: 54.098+/-39.340 χ^2/NDF:33.1/40

All: 68.338+/-27.520 χ^2/NDF: 59.7/78

asym_bcm_dg_ds_an_us_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 197.692+/-0.034 χ^2/NDF:1681513.4/22

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 180.813+/-0.031 χ^2/NDF:1611739.6/21

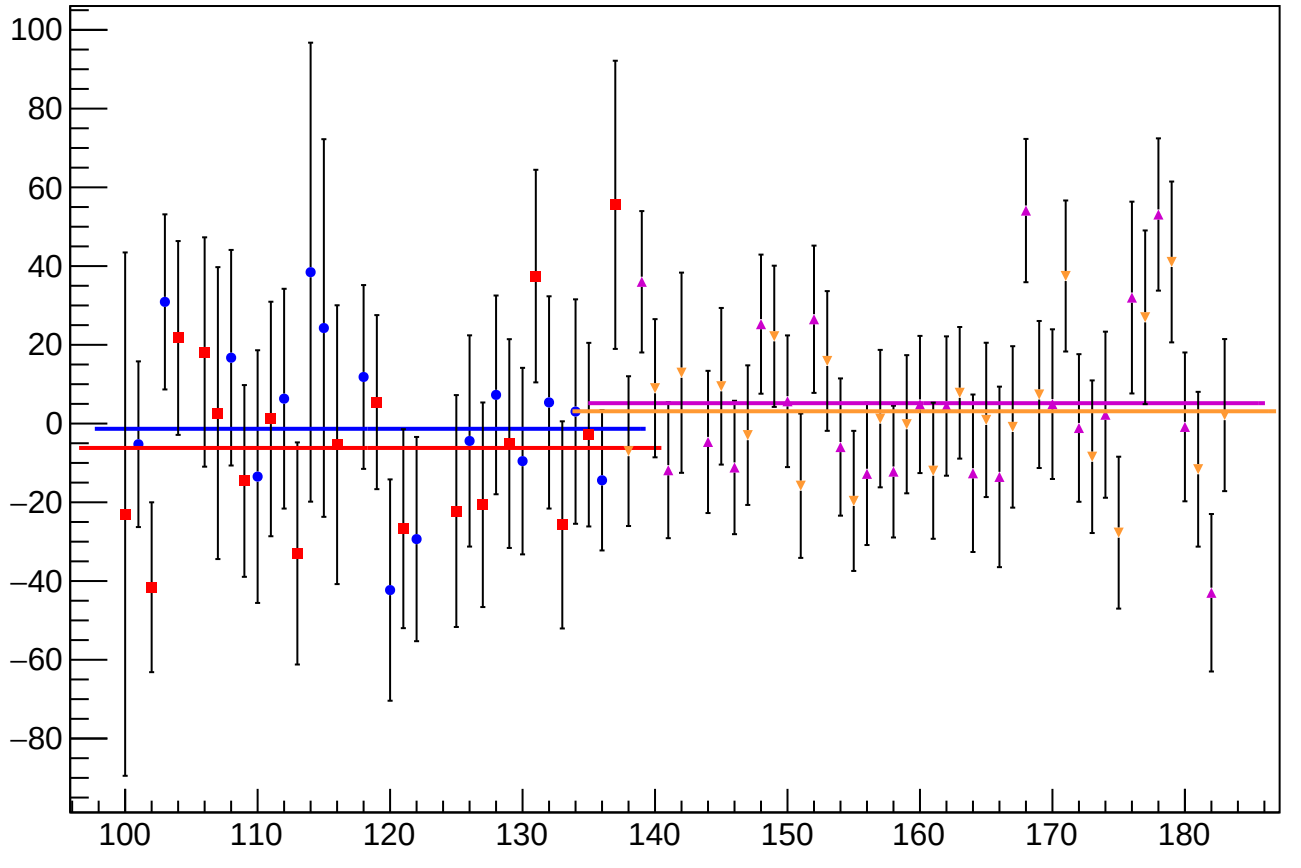
Left: 188.630+/-0.023 χ^2/NDF: 3426447.7/44

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 184.471+/-0.027 χ^2/NDF:2706895.4/37

Out: 189.249+/-0.028 χ^2/NDF:3472492.9/40

All: 186.809+/-0.019 χ^2/NDF: 6194455.8/78



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.123+/-3.929 χ^2/NDF:17.4/22

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: 4.144+/-2.787 χ^2/NDF: 49.8/44

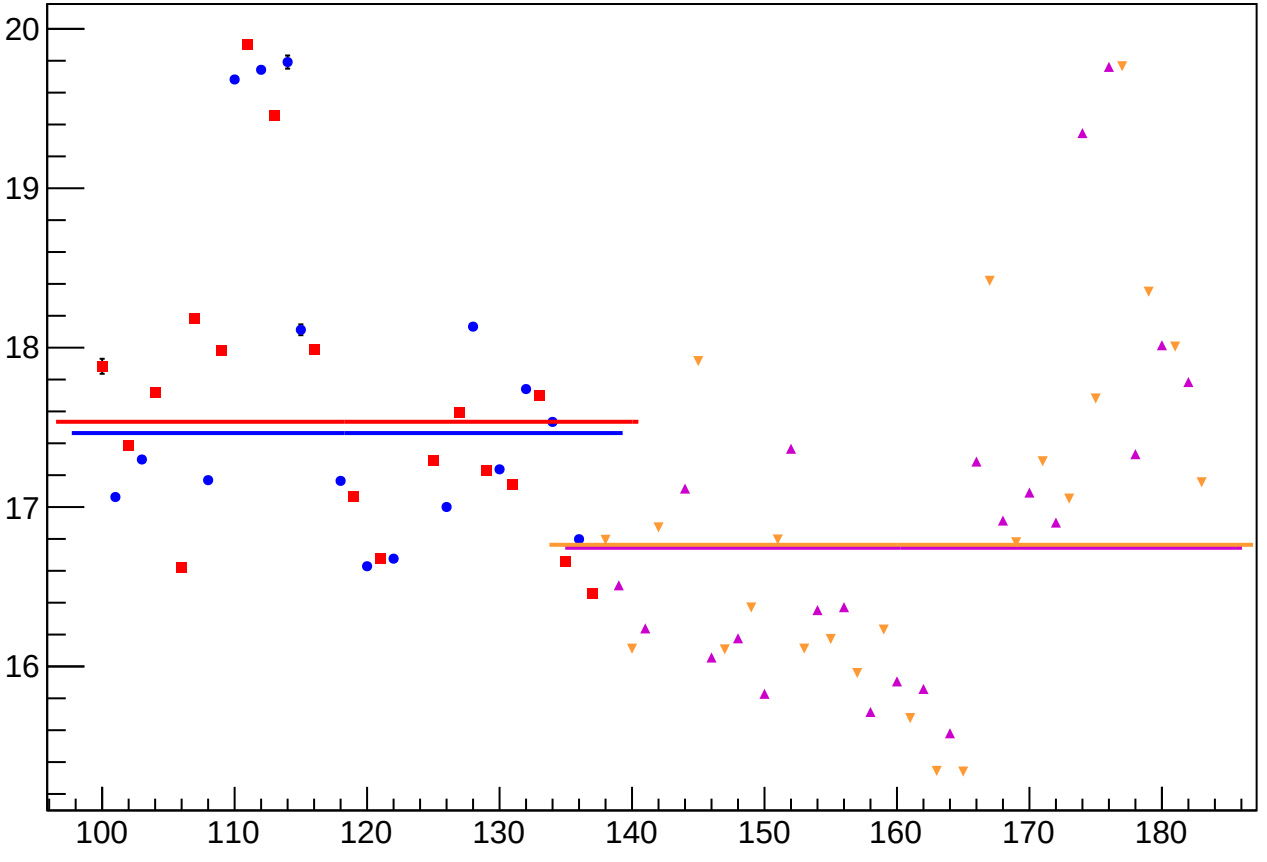
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 3.419+/-3.377 χ^2/NDF:41.0/37

Out: 0.614+/-3.359 χ^2/NDF:32.4/40

All: 2.009+/-2.382 χ^2/NDF: 73.7/78

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.763+/-0.003 χ^2/NDF:134536.2/22

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: 16.754+/-0.002 χ^2/NDF: 256362.9/44

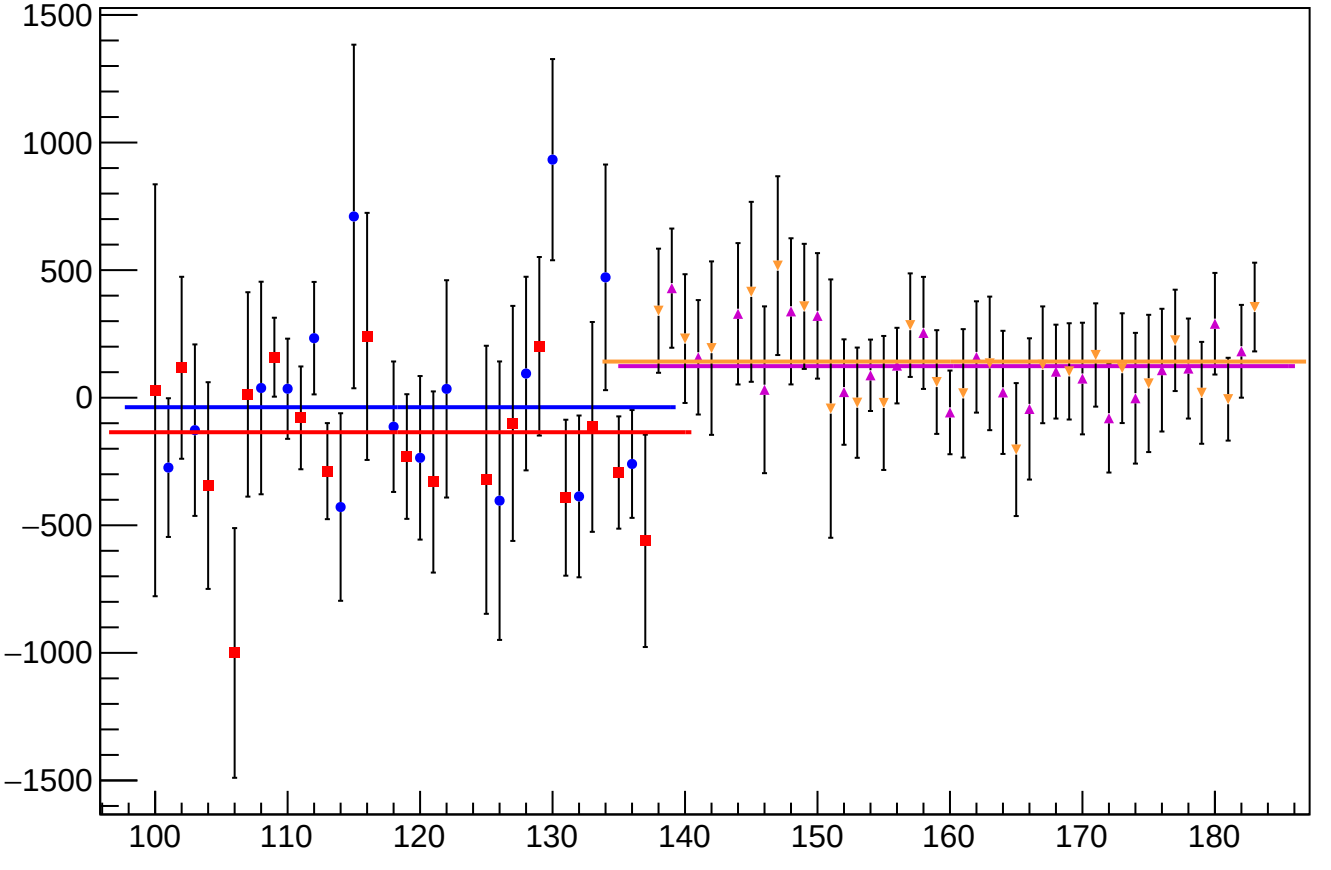
Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.939+/-0.002 χ^2/NDF:176349.9/37

Out: 16.971+/-0.002 χ^2/NDF:189787.2/40

All: 16.955+/-0.002 χ^2/NDF: 366227.9/78

asym_bcm_dg_us_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 141.661+/-47.890 χ^2/NDF:10.1/22

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 123.675+/-44.496 χ^2/NDF:8.1/21

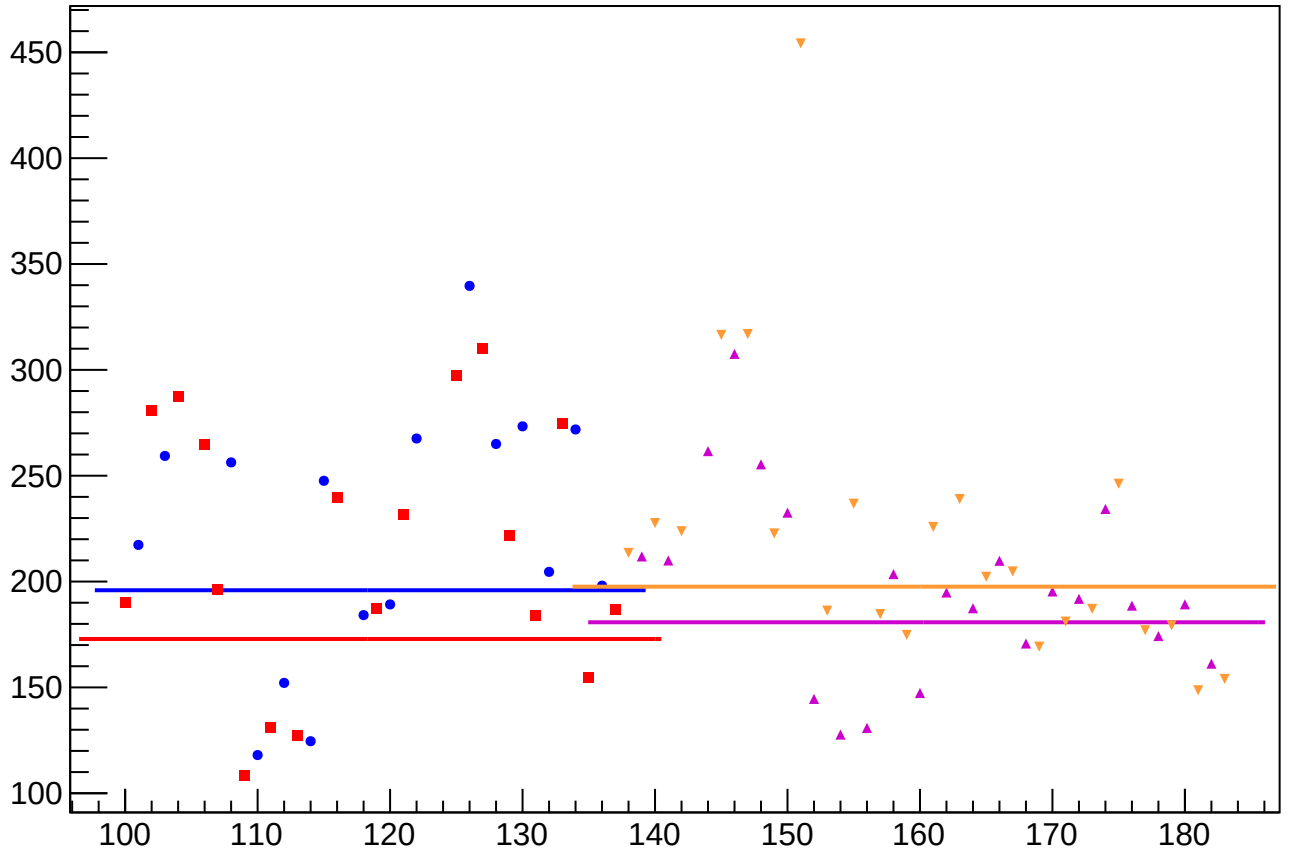
Left: 132.008+/-32.597 χ^2/NDF: 18.3/44

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 83.325+/-38.515 χ^2/NDF:27.0/37

Out: 51.902+/-39.372 χ^2/NDF:33.8/40

All: 67.959+/-27.532 χ^2/NDF: 61.1/78



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 197.586+/-0.034 χ^2/NDF:1678642.7/22

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 180.767+/-0.031 χ^2/NDF:1615622.6/21

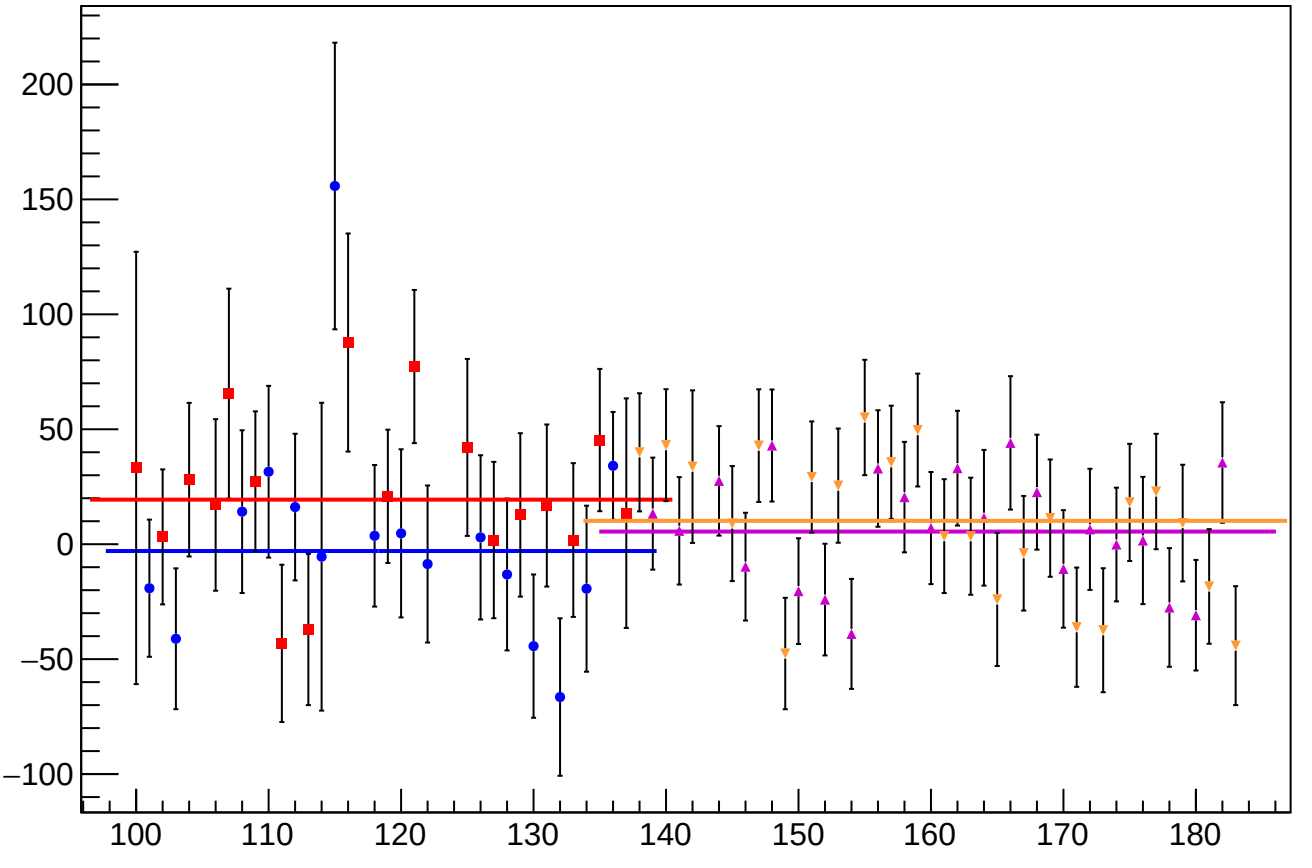
Left: 188.560+/-0.023 χ^2/NDF: 3426658.6/44

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 184.562+/-0.027 χ^2/NDF:2684637.1/37

Out: 189.577+/-0.028 χ^2/NDF:3394523.6/40

All: 187.014+/-0.019 χ^2/NDF: 6095740.3/78



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 10.163+/-5.311 χ^2/NDF:33.2/22

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: 7.839+/-3.762 χ^2/NDF: 54.4/44

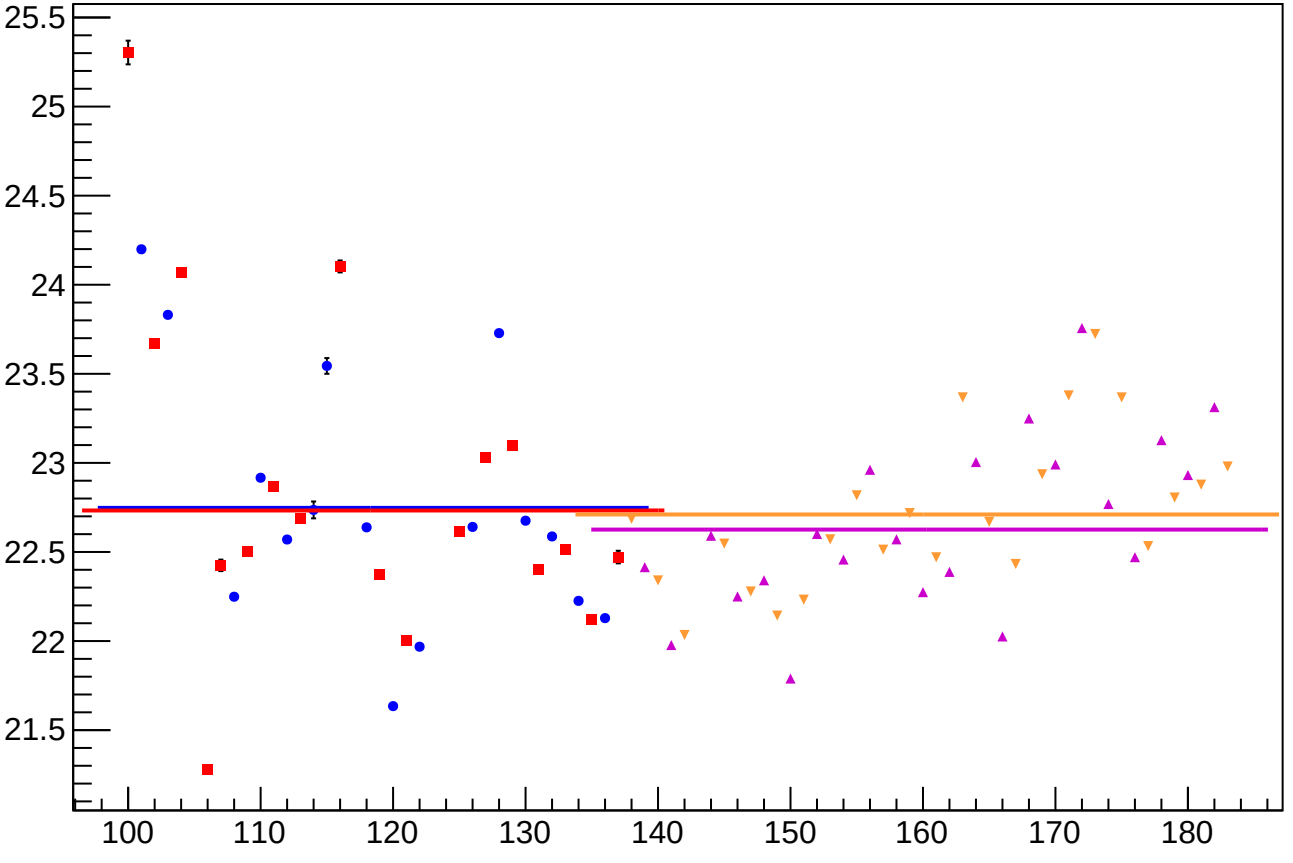
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 3.092+/-4.508 χ^2/NDF:39.4/37

Out: 12.806+/-4.486 χ^2/NDF:48.6/40

All: 7.972+/-3.180 χ^2/NDF: 90.3/78

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.710+/-0.004 χ^2/NDF:11956.2/22

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.626+/-0.004 χ^2/NDF:15286.4/21

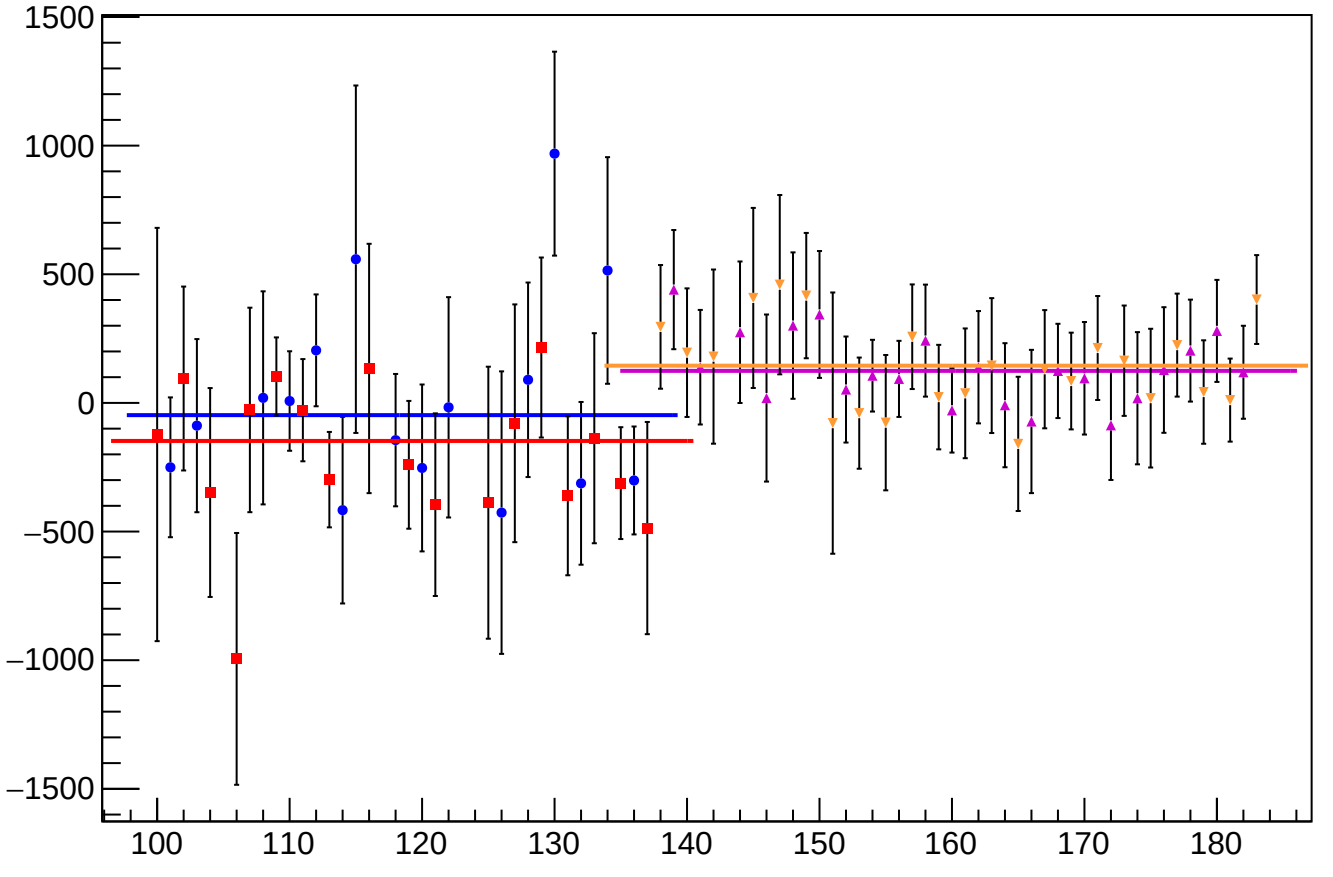
Left: 22.668+/-0.003 χ^2/NDF: 27496.8/44

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.660+/-0.003 χ^2/NDF:30206.3/37

Out: 22.717+/-0.003 χ^2/NDF:26356.0/40

All: 22.689+/-0.002 χ^2/NDF: 56720.8/78



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 144.751+/-47.819 χ^2/NDF:10.7/22

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: 133.927+/-32.547 χ^2/NDF: 18.3/44

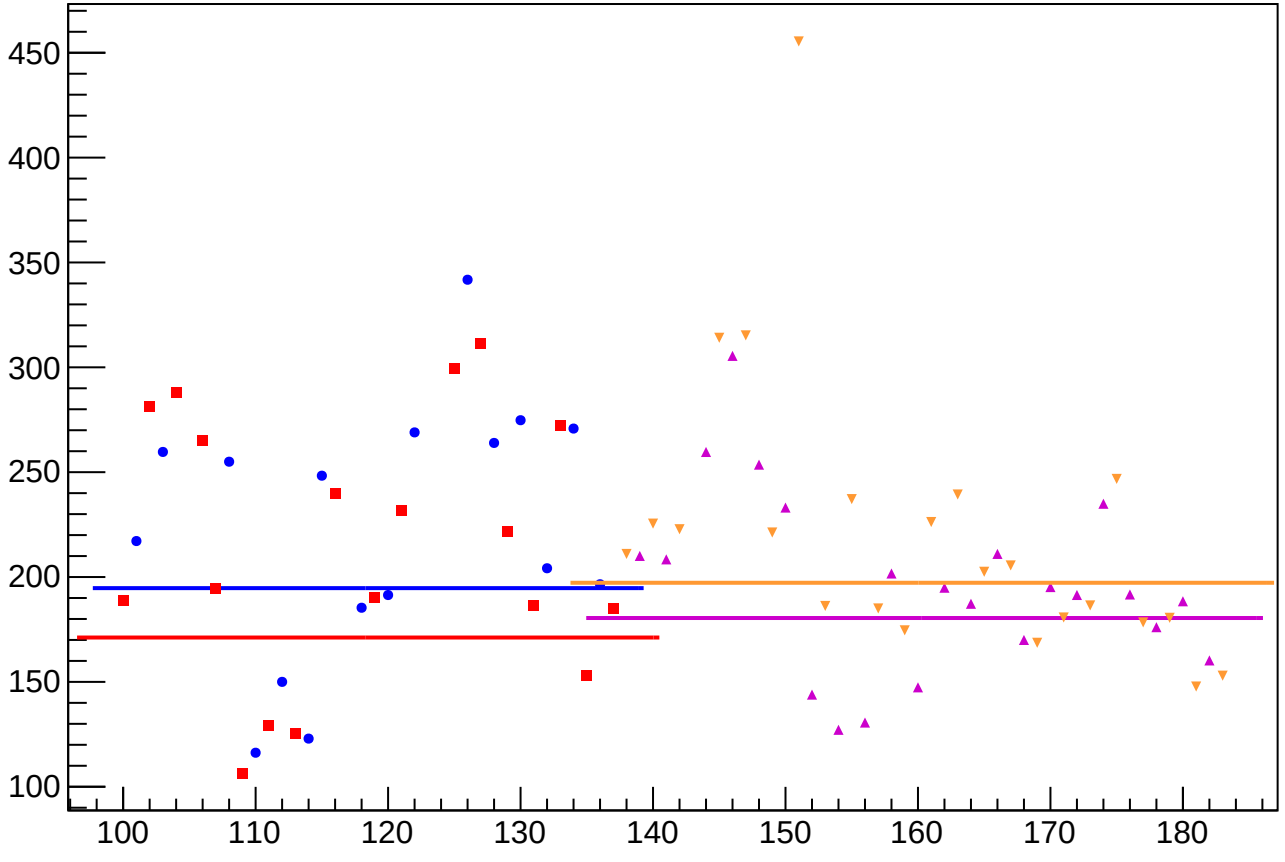
Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 81.243+/-38.426 χ^2/NDF:26.7/37

Out: 49.192+/-39.240 χ^2/NDF:34.4/40

All: 65.553+/-27.454 χ^2/NDF: 61.5/78

asym_bcm_dg_ds_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 197.266+/-0.034 χ^2/NDF:1680064.9/22

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 180.459+/-0.031 χ^2/NDF:1611293.0/21

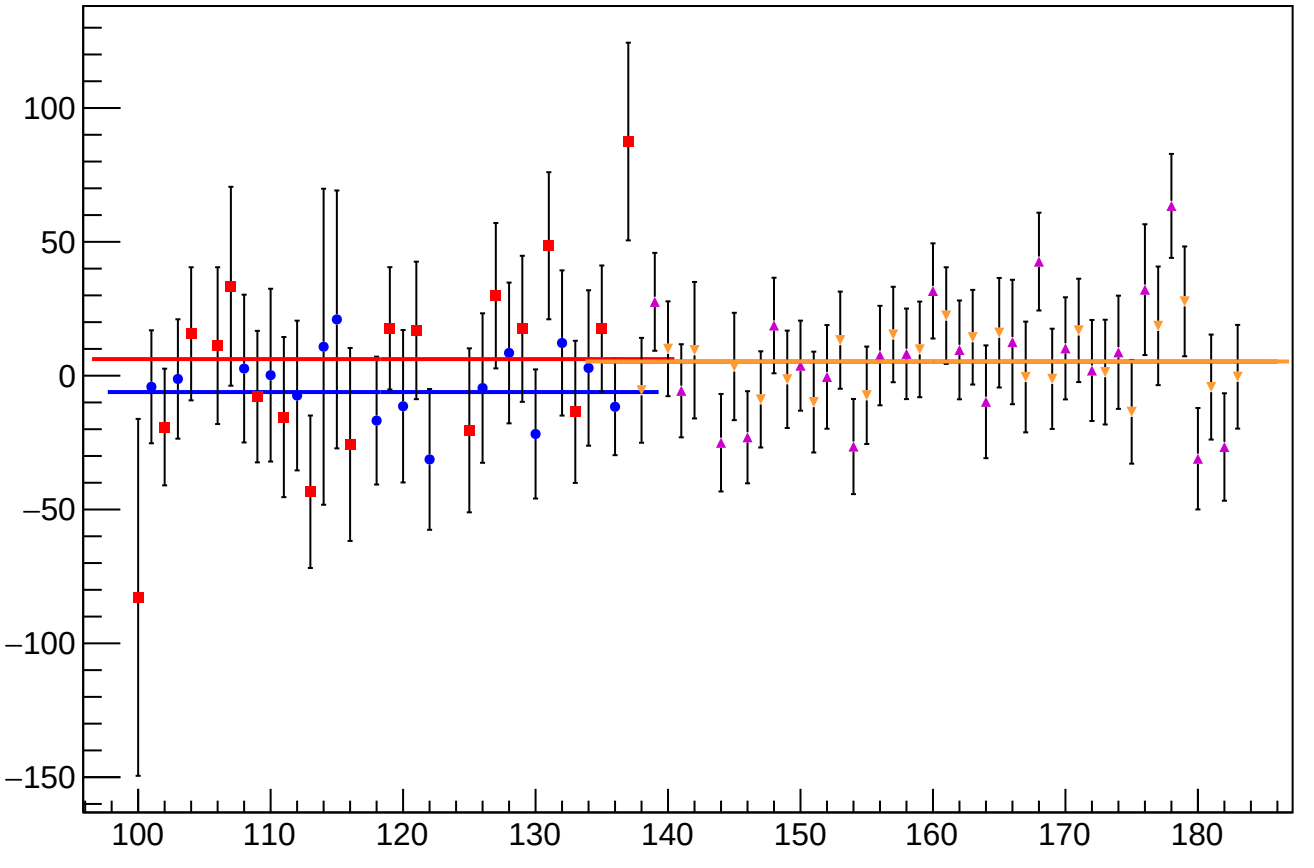
Left: 188.244+/-0.023 χ^2/NDF: 3423971.8/44

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 184.047+/-0.027 χ^2/NDF:2715401.0/37

Out: 188.738+/-0.028 χ^2/NDF:3486749.9/40

All: 186.343+/-0.019 χ^2/NDF: 6216739.6/78



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.313+/-3.998 χ^2/NDF:7.7/22

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: 5.295+/-2.831 χ^2/NDF: 42.5/44

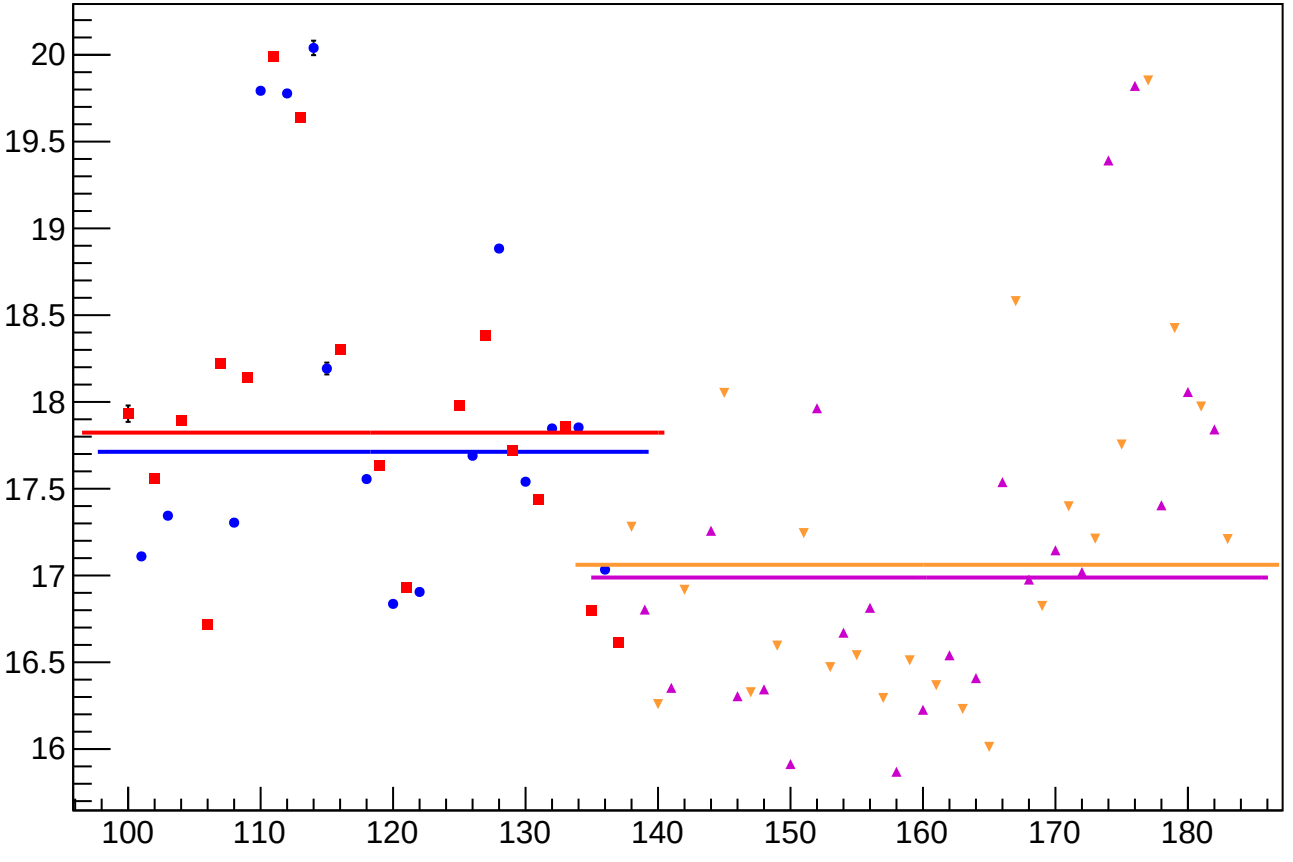
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: 2.198+/-3.426 χ^2/NDF:40.1/37

Out: 5.551+/-3.417 χ^2/NDF:26.4/40

All: 3.879+/-2.419 χ^2/NDF: 67.0/78

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: 17.062+/-0.003 χ^2/NDF:95532.7/22

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: 17.025+/-0.002 χ^2/NDF: 198991.2/44

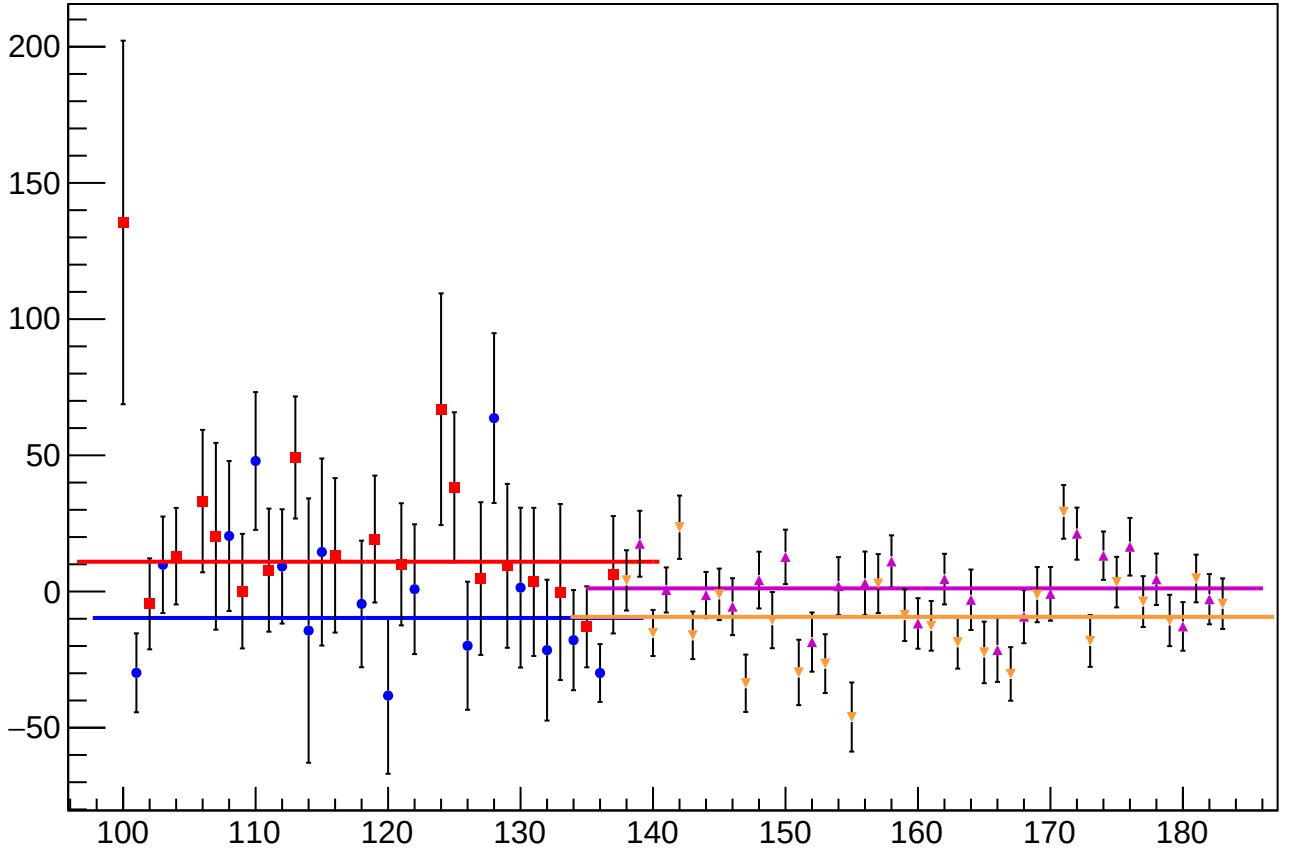
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.184+/-0.002 χ^2/NDF:156730.0/37

Out: 17.267+/-0.002 χ^2/NDF:147597.3/40

All: 17.226+/-0.002 χ^2/NDF: 304916.4/78

diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -9.317+/-2.022 χ^2/NDF:60.7/23

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 1.153+/-2.100 χ^2/NDF:26.3/21

Left: -4.279+/-1.457 χ^2/NDF: 99.9/45

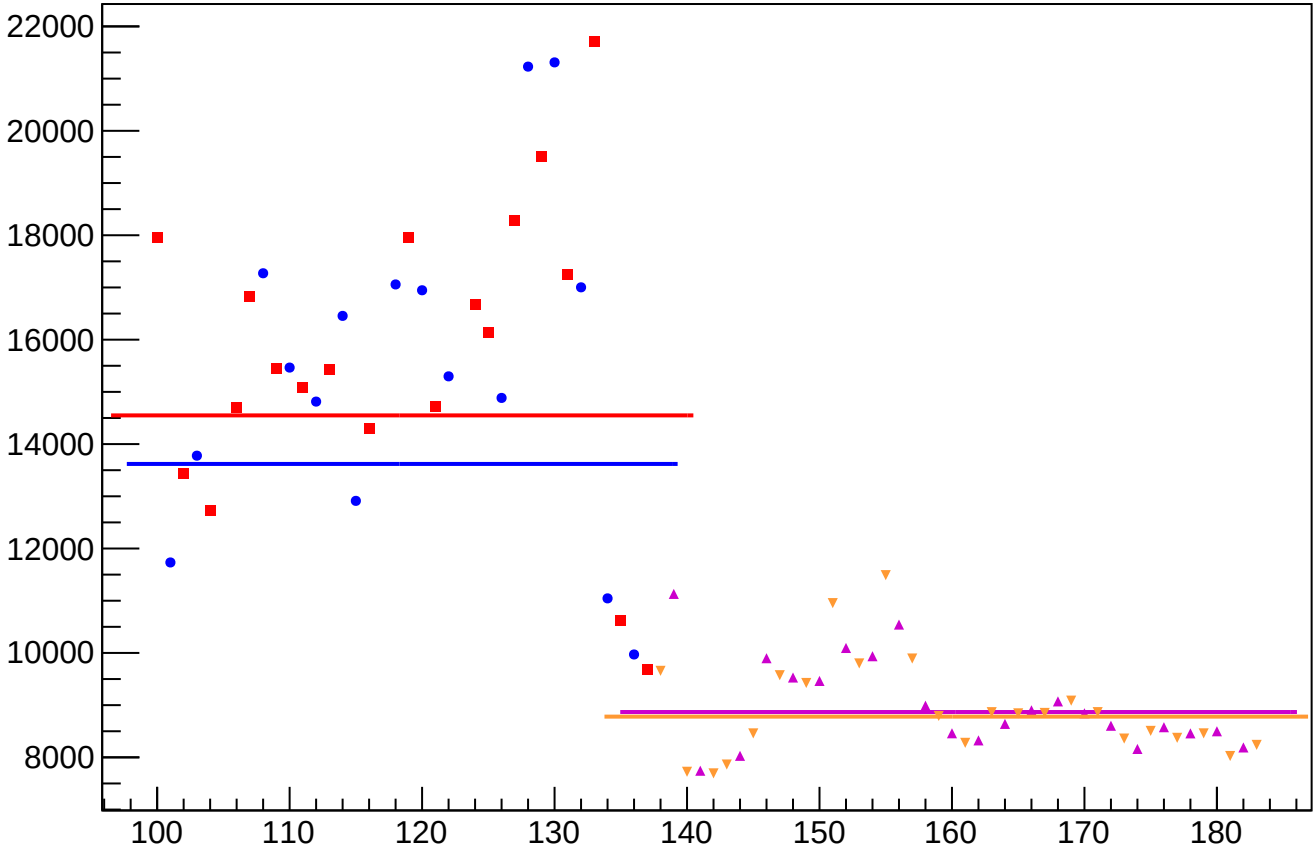
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -0.353+/-1.949 χ^2/NDF:52.0/37

Out: -6.854+/-1.895 χ^2/NDF:87.0/42

All: -3.694+/-1.359 χ^2/NDF: 144.7/80

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8780.088+/-1.430 χ^2/NDF:342204.6/23

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 8868.290+/-1.485 χ^2/NDF:294341.6/21

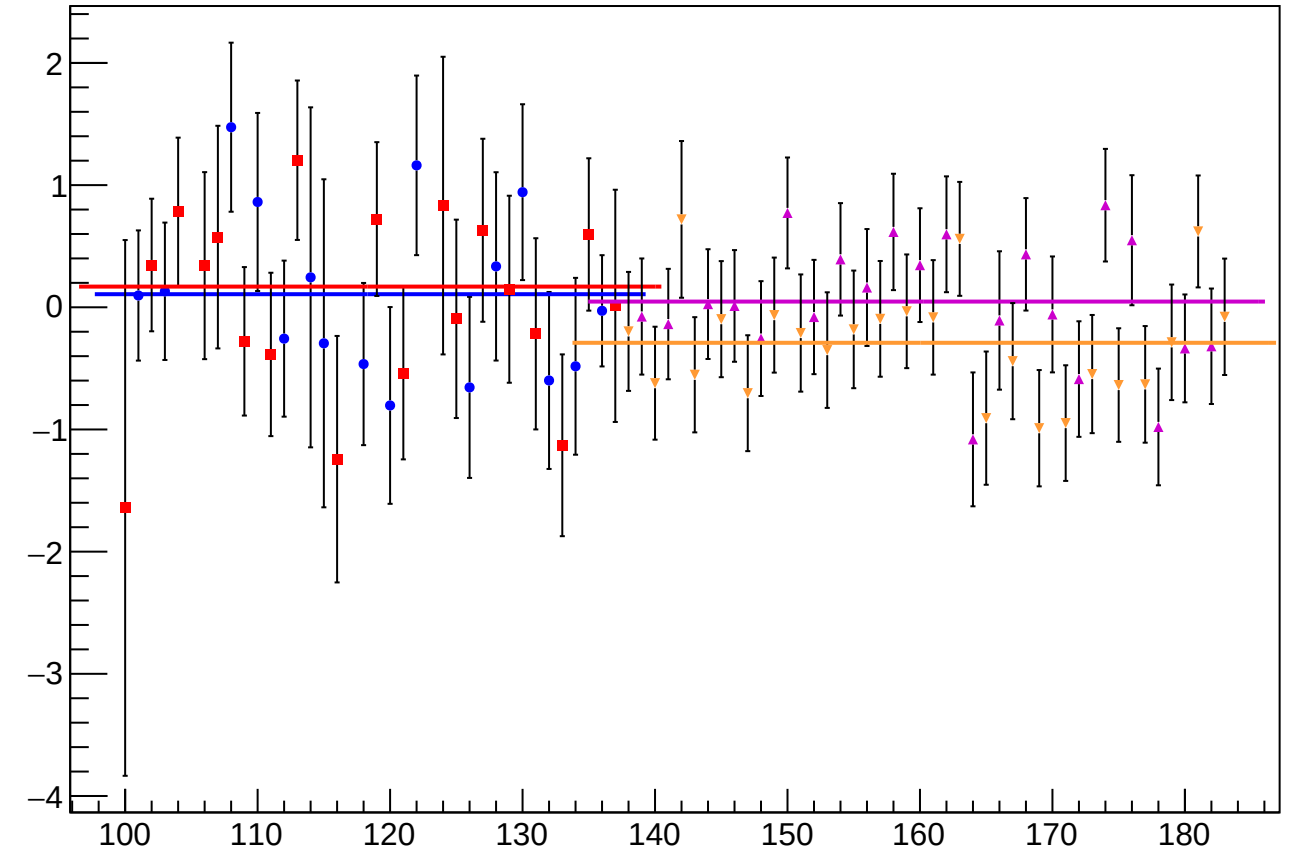
Left: 8822.527+/-1.030 χ^2/NDF: 638376.8/45

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 9527.710+/-1.378 χ^2/NDF:2462283.0/37

Out: 9481.483+/-1.340 χ^2/NDF:2877056.7/42

All: 9503.954+/-0.961 χ^2/NDF: 5339918.0/80



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.291+/-0.098 χ^2/NDF:19.6/23

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.047+/-0.101 χ^2/NDF:23.8/21

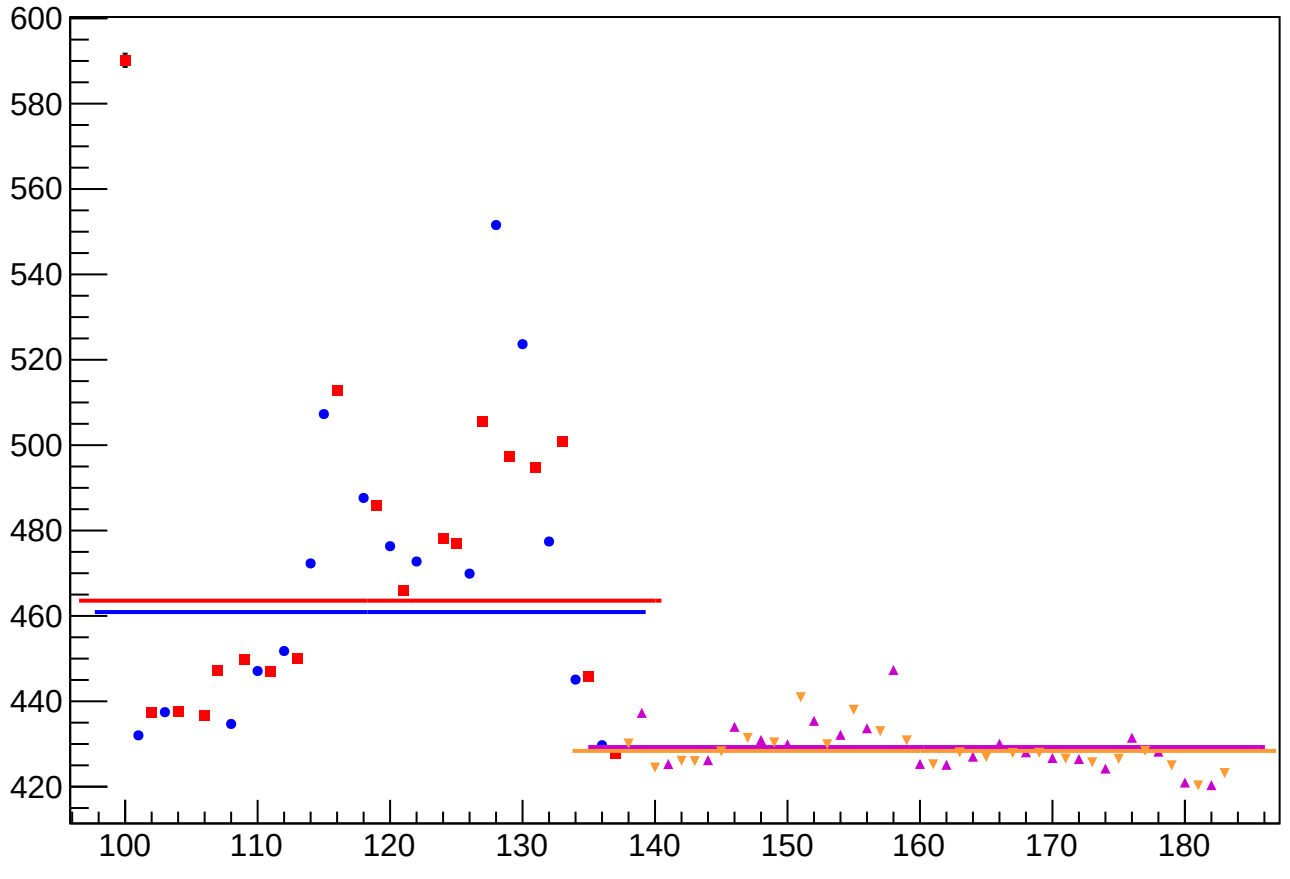
Left: -0.127+/-0.070 χ^2/NDF: 49.1/45

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.062+/-0.087 χ^2/NDF:37.5/37

Out: -0.175+/-0.085 χ^2/NDF:39.2/42

All: -0.060+/-0.061 χ^2/NDF: 80.5/80



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 428.381+/-0.069 χ^2/NDF:3994.0/23

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 429.288+/-0.071 χ^2/NDF:6707.5/21

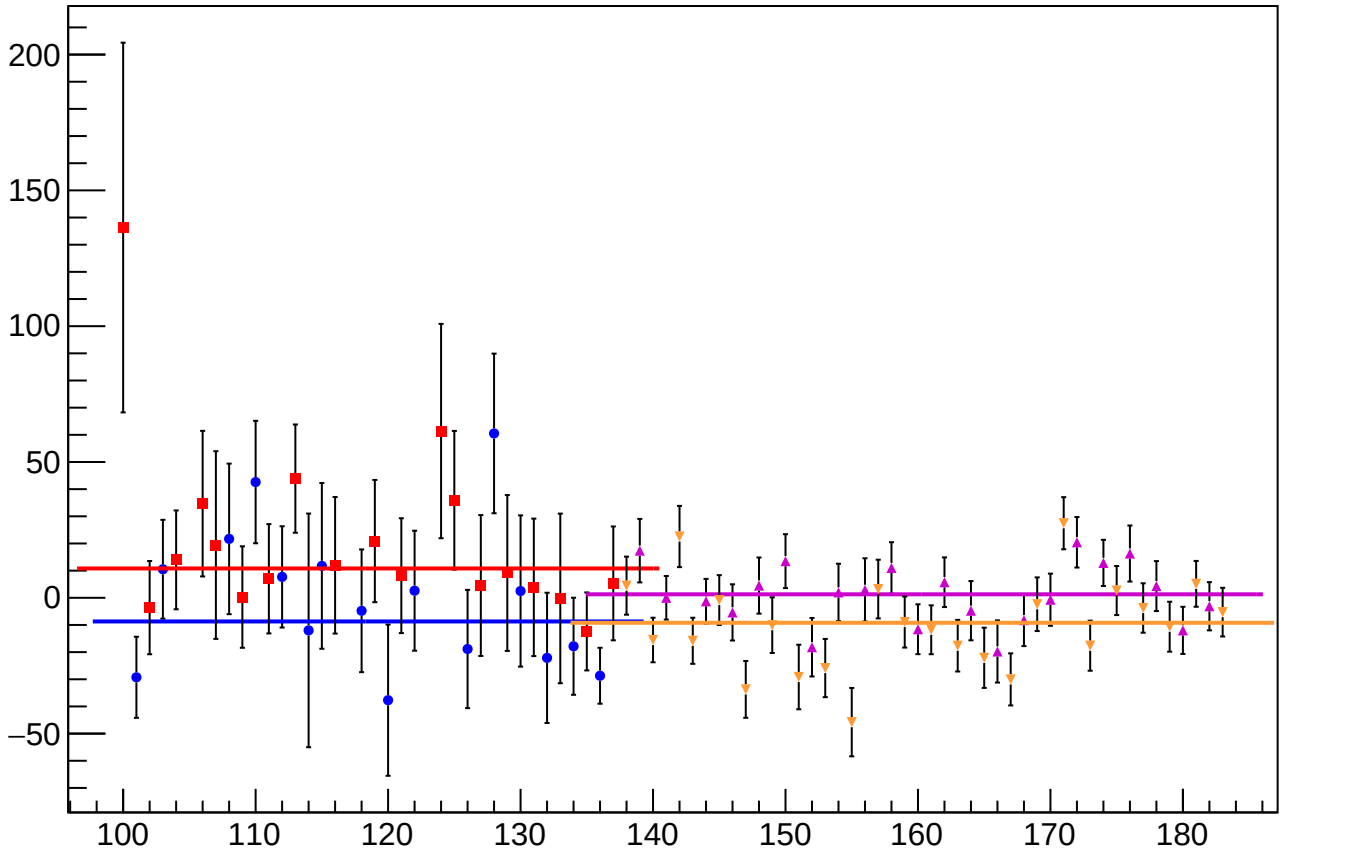
Left: 428.820+/-0.050 χ^2/NDF: 10784.4/45

Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 437.424+/-0.062 χ^2/NDF:132003.8/37

Out: 437.199+/-0.060 χ^2/NDF:120829.3/42

All: 437.308+/-0.043 χ^2/NDF: 252839.9/80



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -9.201+/-1.977 χ^2/NDF:60.2/23

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 1.285+/-2.055 χ^2/NDF:26.2/21

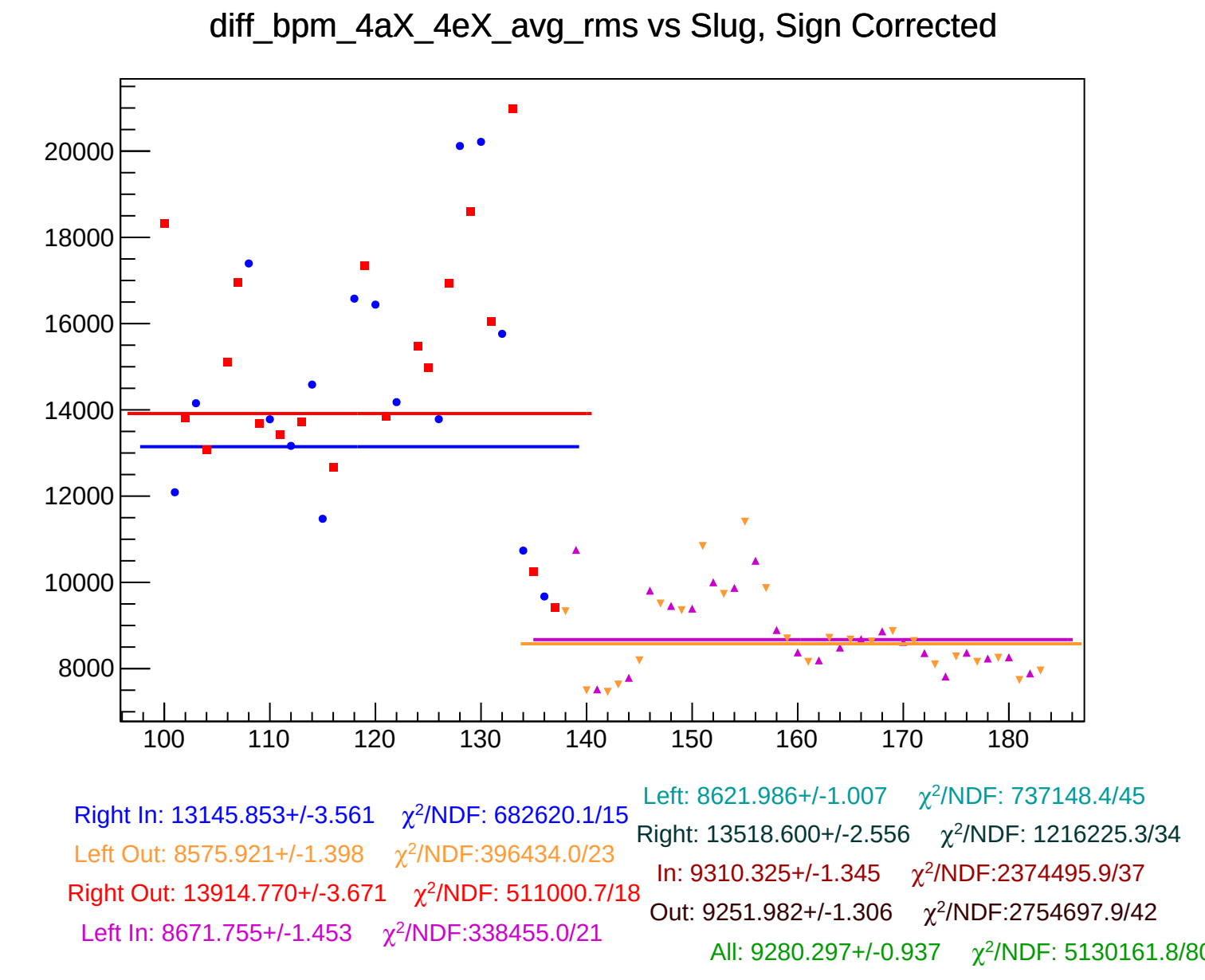
Left: -4.161+/-1.425 χ^2/NDF: 99.9/45

Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

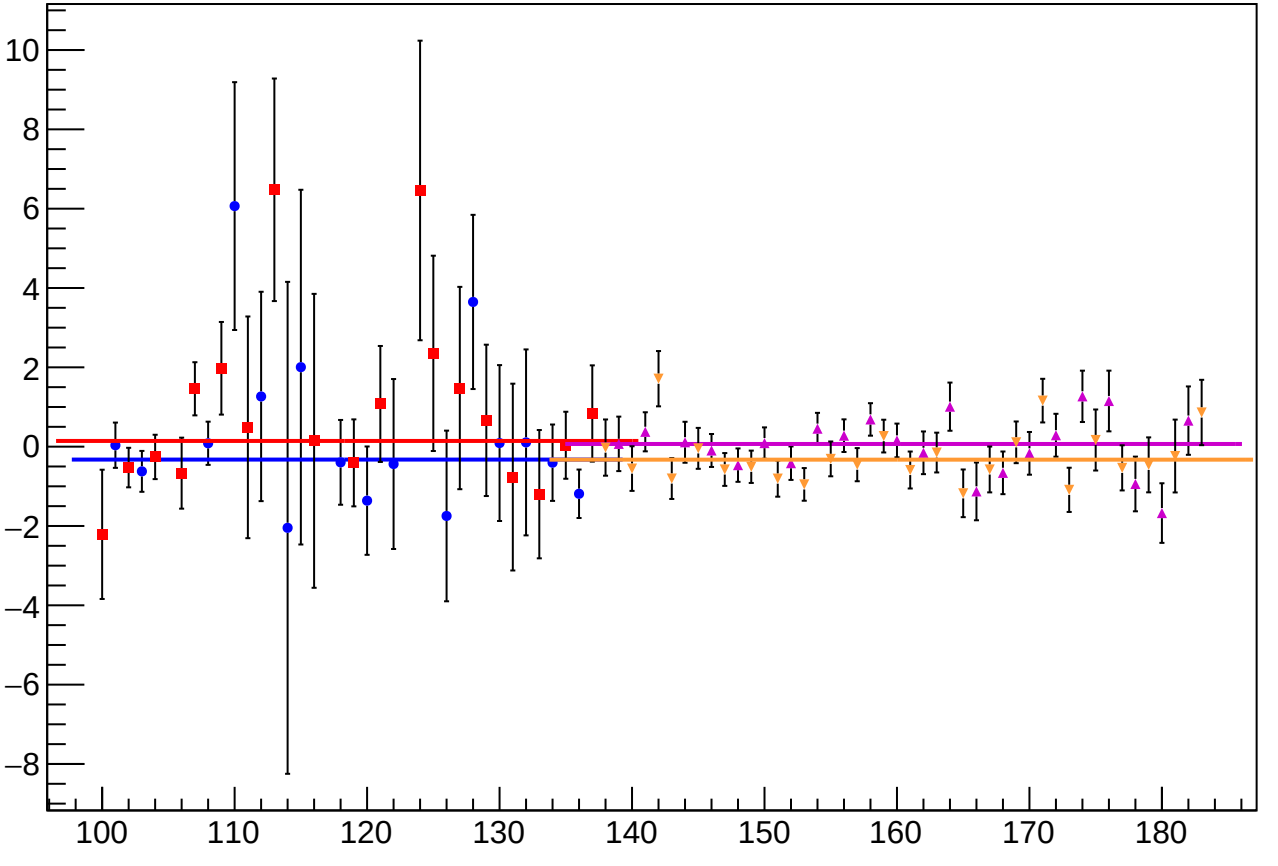
In: -0.141+/-1.902 χ^2/NDF:51.9/37

Out: -6.667+/-1.847 χ^2/NDF:87.0/42

All: -3.500+/-1.325 χ^2/NDF: 144.9/80


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: 8575.921+/-1.398 χ²/NDF:396434.0/23
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8671.755+/-1.453 χ²/NDF:338455.0/21
Left: 8621.986+/-1.007 χ²/NDF: 737148.4/45
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 9310.325+/-1.345 χ²/NDF:2374495.9/37
Out: 9251.982+/-1.306 χ²/NDF:2754697.9/42
All: 9280.297+/-0.937 χ²/NDF: 5130161.8/80

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.328+/-0.107 χ^2/NDF:31.4/23

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.067+/-0.109 χ^2/NDF:27.9/21

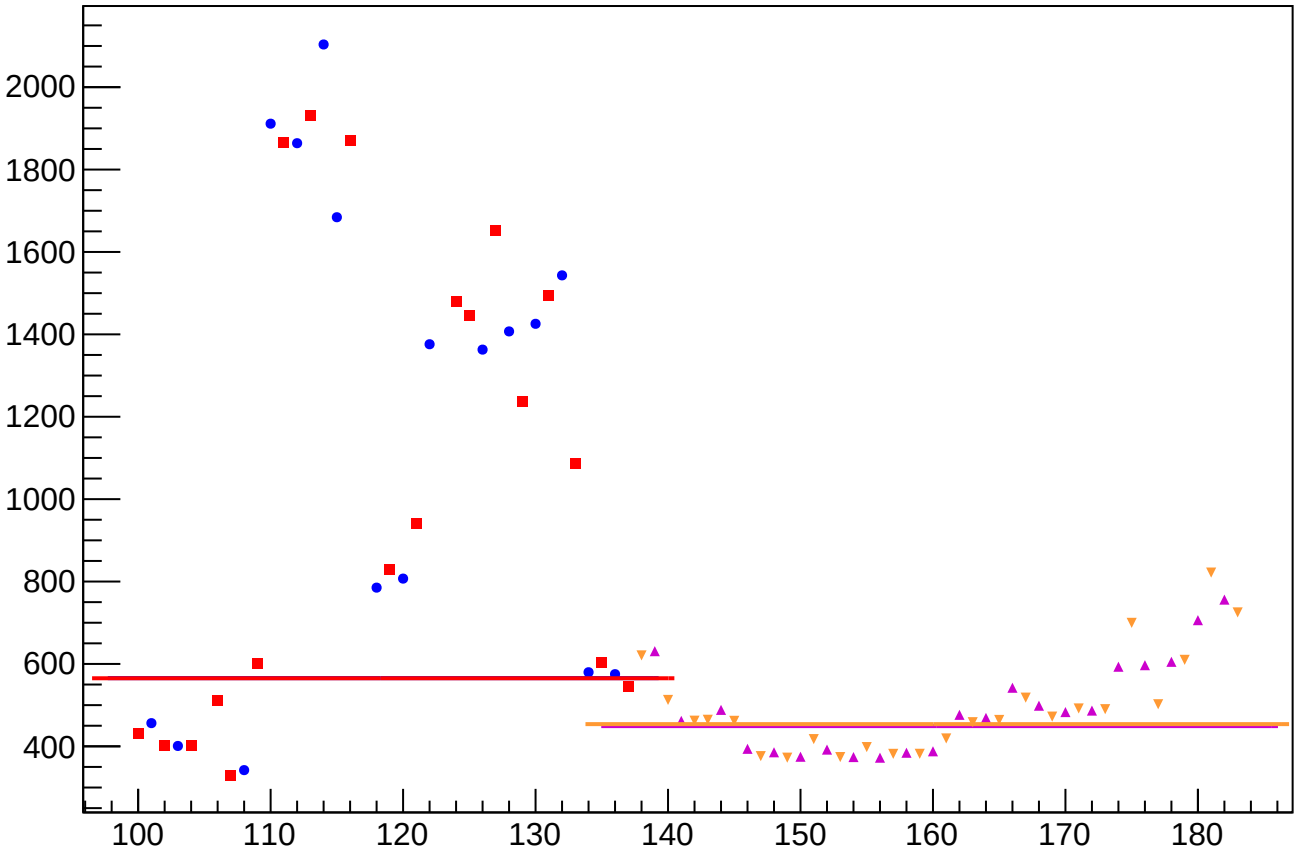
Left: -0.134+/-0.076 χ^2/NDF: 66.0/45

Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.003+/-0.099 χ^2/NDF:42.6/37

Out: -0.253+/-0.098 χ^2/NDF:57.0/42

All: -0.127+/-0.070 χ^2/NDF: 102.9/80



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 453.901+/-0.075 χ^2/NDF:1440560.0/23

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: 451.545+/-0.054 χ^2/NDF: 2854533.6/45

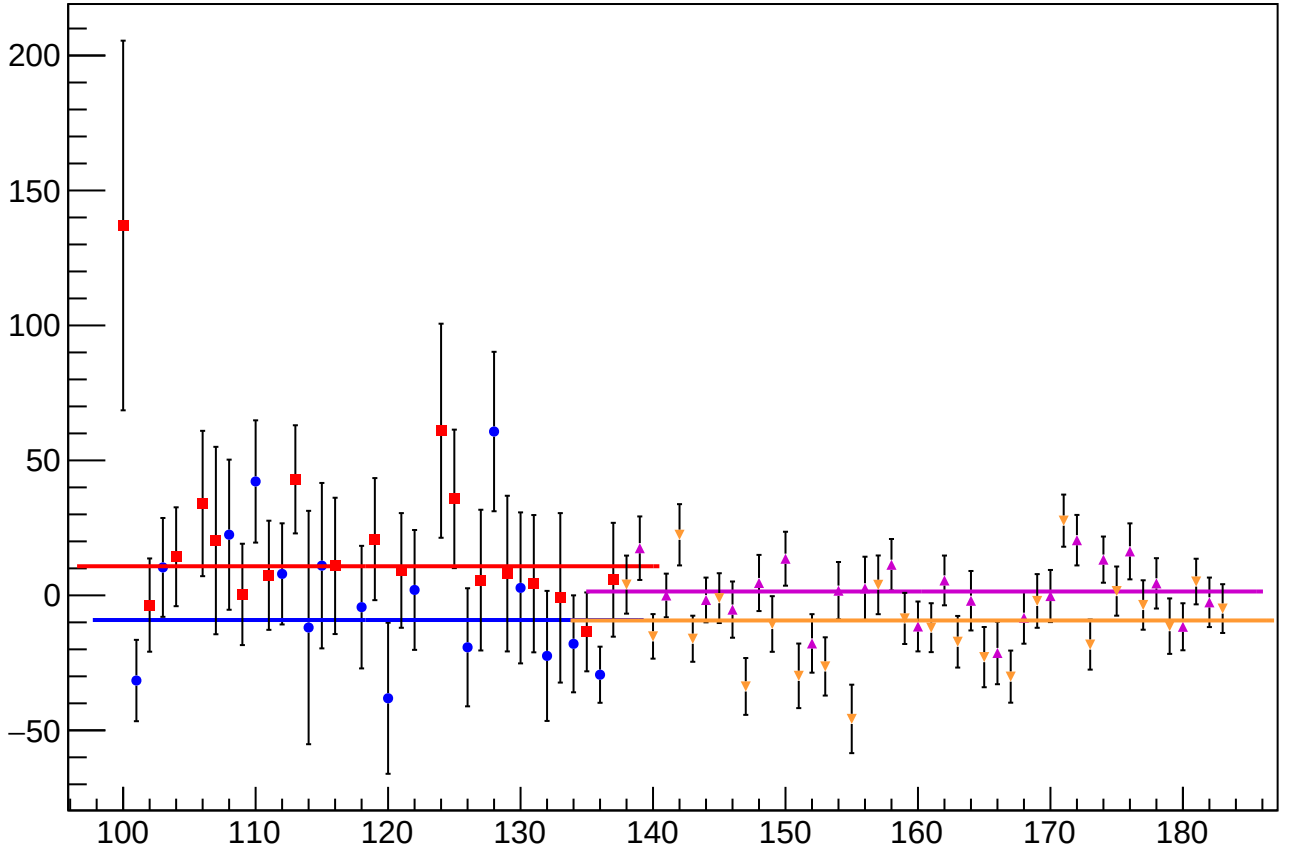
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 468.323+/-0.070 χ^2/NDF:5242336.1/37

Out: 471.678+/-0.069 χ^2/NDF:5360952.1/42

All: 470.027+/-0.049 χ^2/NDF: 10604450.1/80

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -9.299+/-1.998 χ^2/NDF:59.9/23

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 1.433+/-2.072 χ^2/NDF:26.1/21

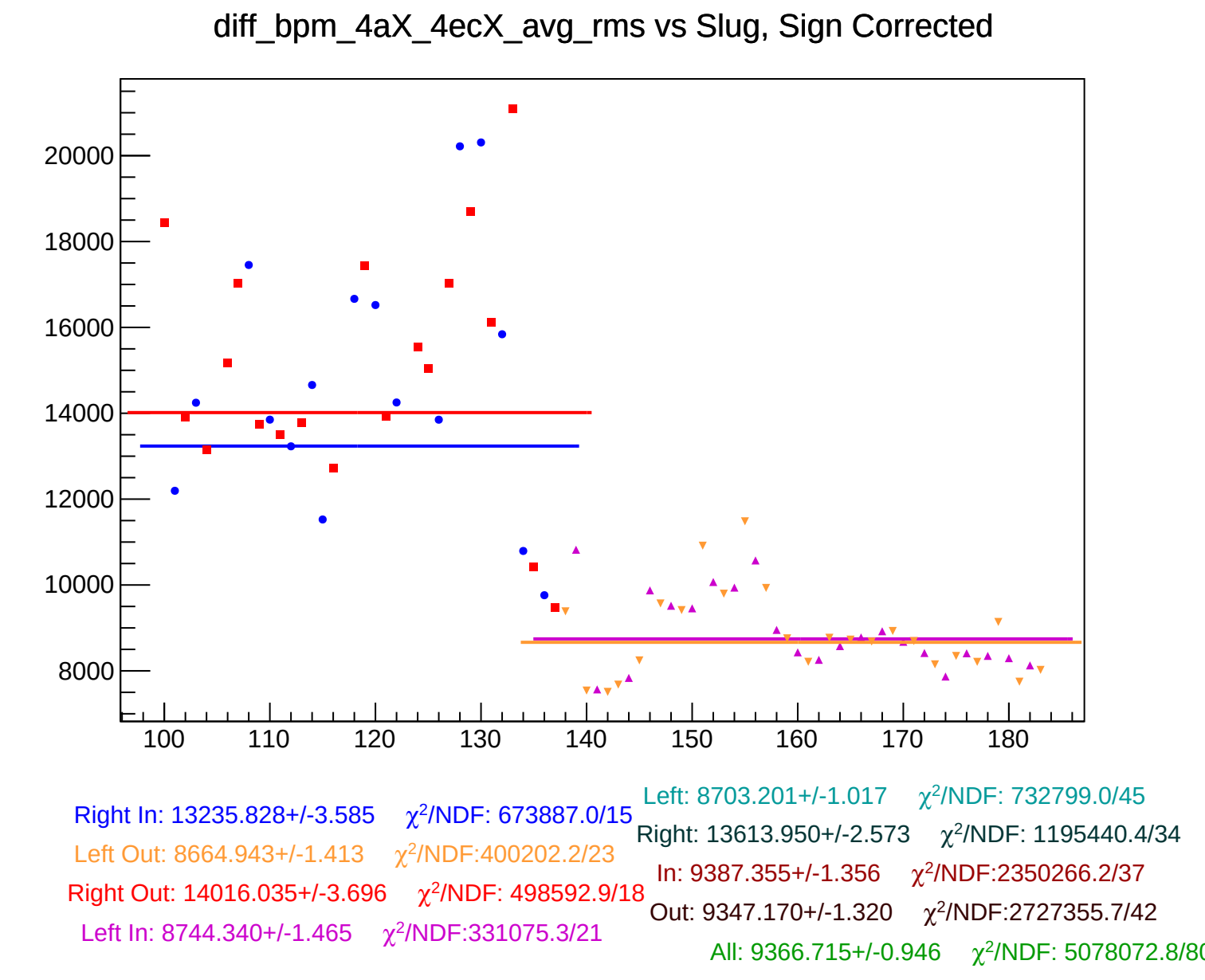
Left: -4.128+/-1.438 χ^2/NDF: 99.9/45

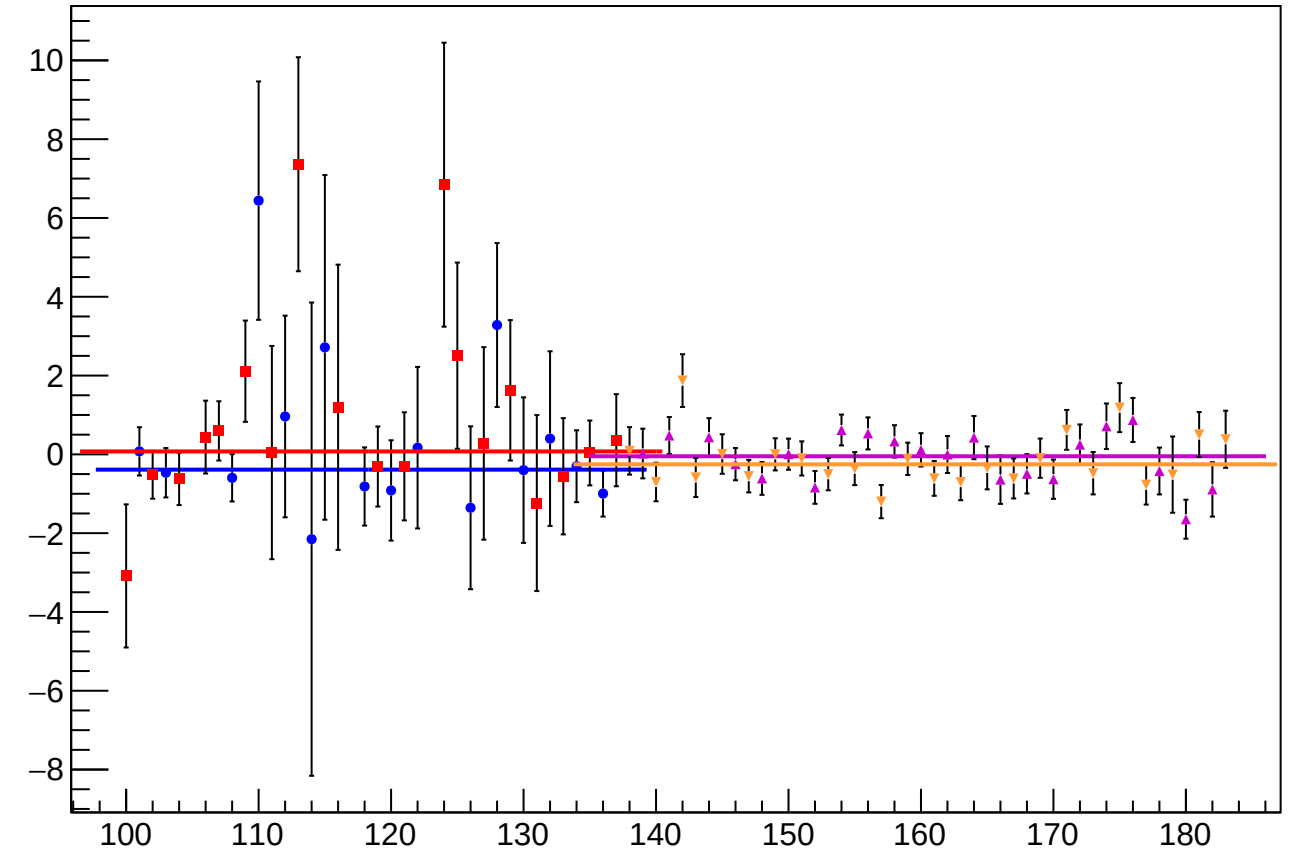
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: -0.080+/-1.918 χ^2/NDF:52.5/37

Out: -6.738+/-1.867 χ^2/NDF:86.5/42

All: -3.500+/-1.338 χ^2/NDF: 145.2/80


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: 8664.943+/-1.413 χ²/NDF:400202.2/23
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8744.340+/-1.465 χ²/NDF:331075.3/21
Left: 8703.201+/-1.017 χ²/NDF: 732799.0/45
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9387.355+/-1.356 χ²/NDF:2350266.2/37
Out: 9347.170+/-1.320 χ²/NDF:2727355.7/42
All: 9366.715+/-0.946 χ²/NDF: 5078072.8/80



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.253+/-0.101 χ^2/NDF:33.0/23

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: -0.152+/-0.072 χ^2/NDF: 69.9/45

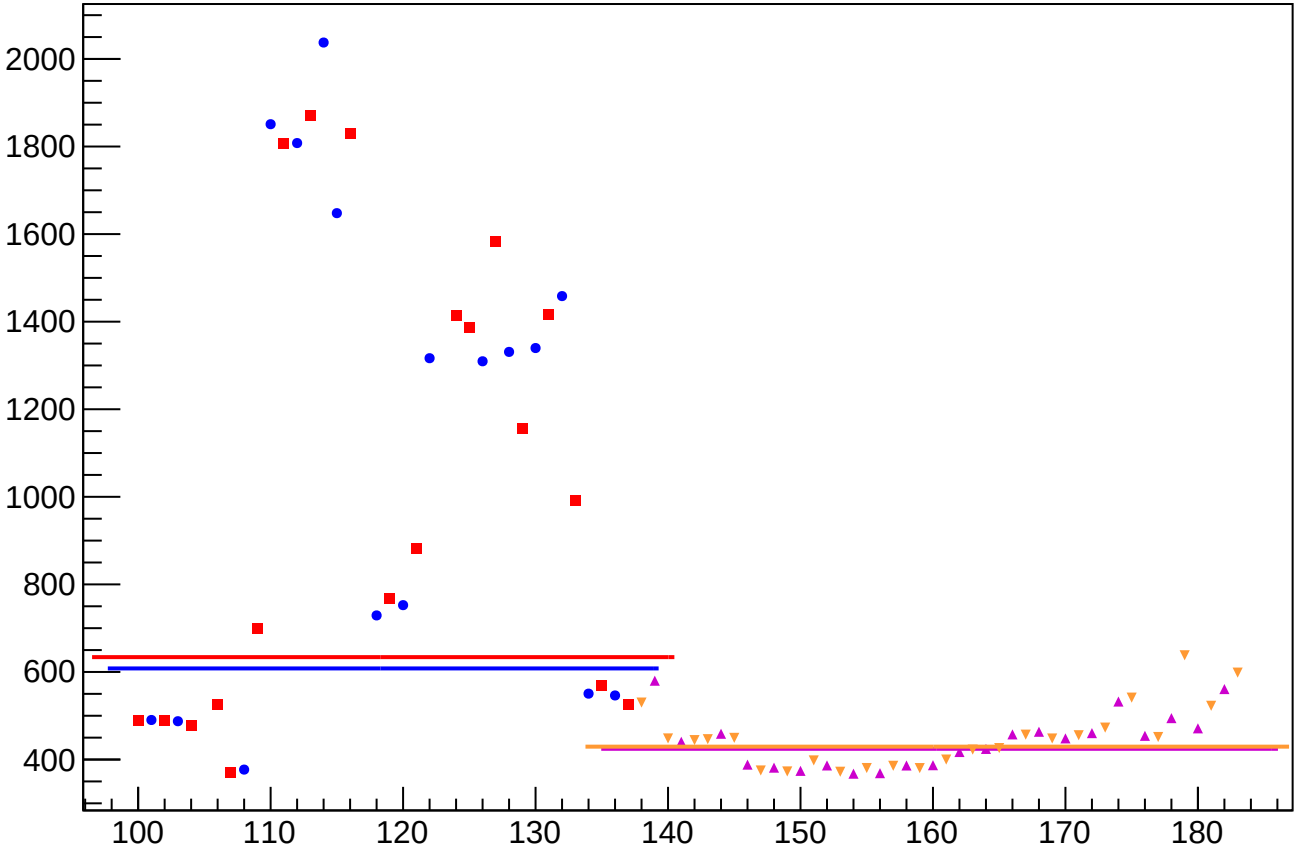
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.094+/-0.094 χ^2/NDF:48.0/37

Out: -0.212+/-0.094 χ^2/NDF:56.0/42

All: -0.153+/-0.067 χ^2/NDF: 104.8/80

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 429.437+/-0.071 χ^2/NDF:625733.4/23

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 424.522+/-0.072 χ^2/NDF:564367.3/21

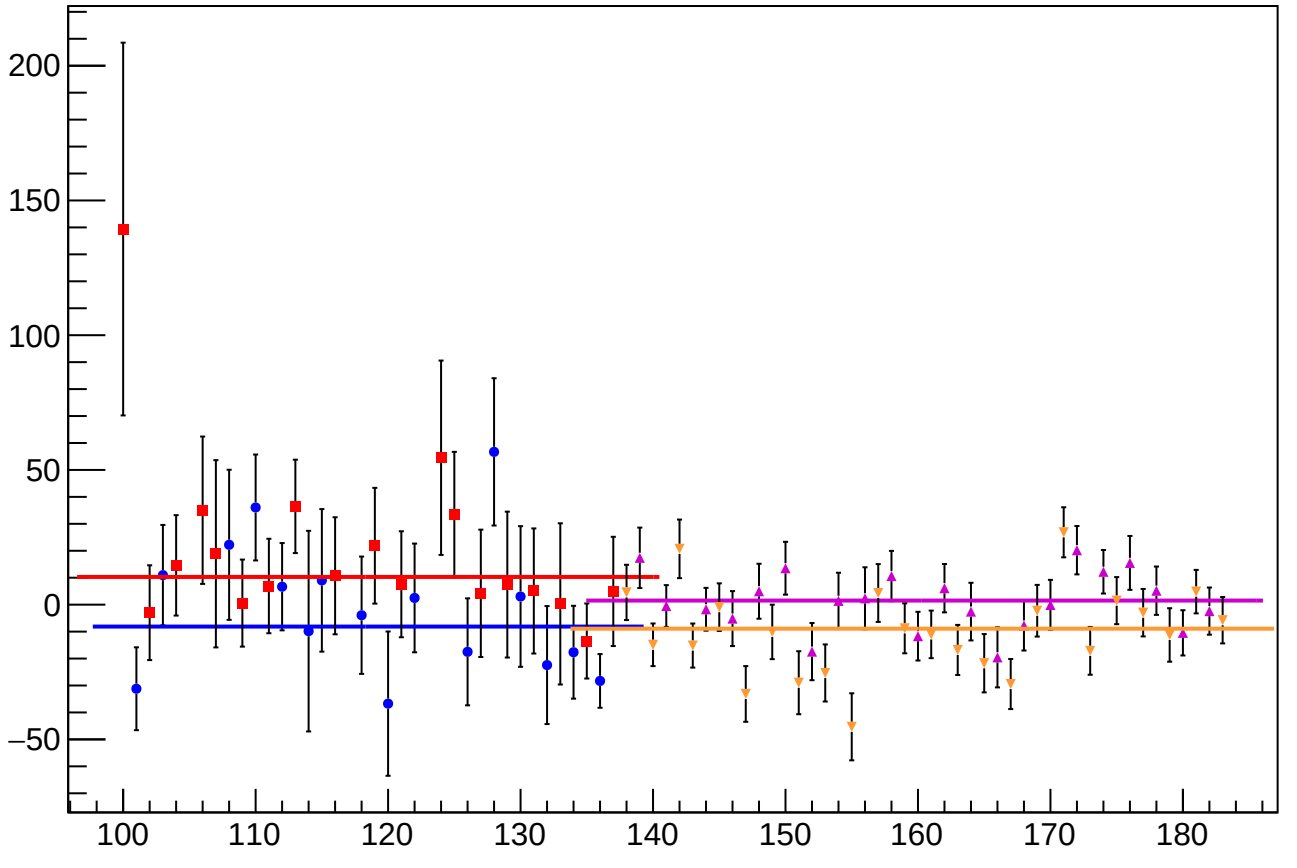
Left: 427.003+/-0.051 χ^2/NDF: 1192461.7/45

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 449.559+/-0.067 χ^2/NDF:4306976.8/37

Out: 455.295+/-0.067 χ^2/NDF:4457801.9/42

All: 452.438+/-0.047 χ^2/NDF: 8768482.5/80



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -8.912+/-1.929 χ^2/NDF:60.3/23

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 1.524+/-2.003 χ^2/NDF:26.0/21

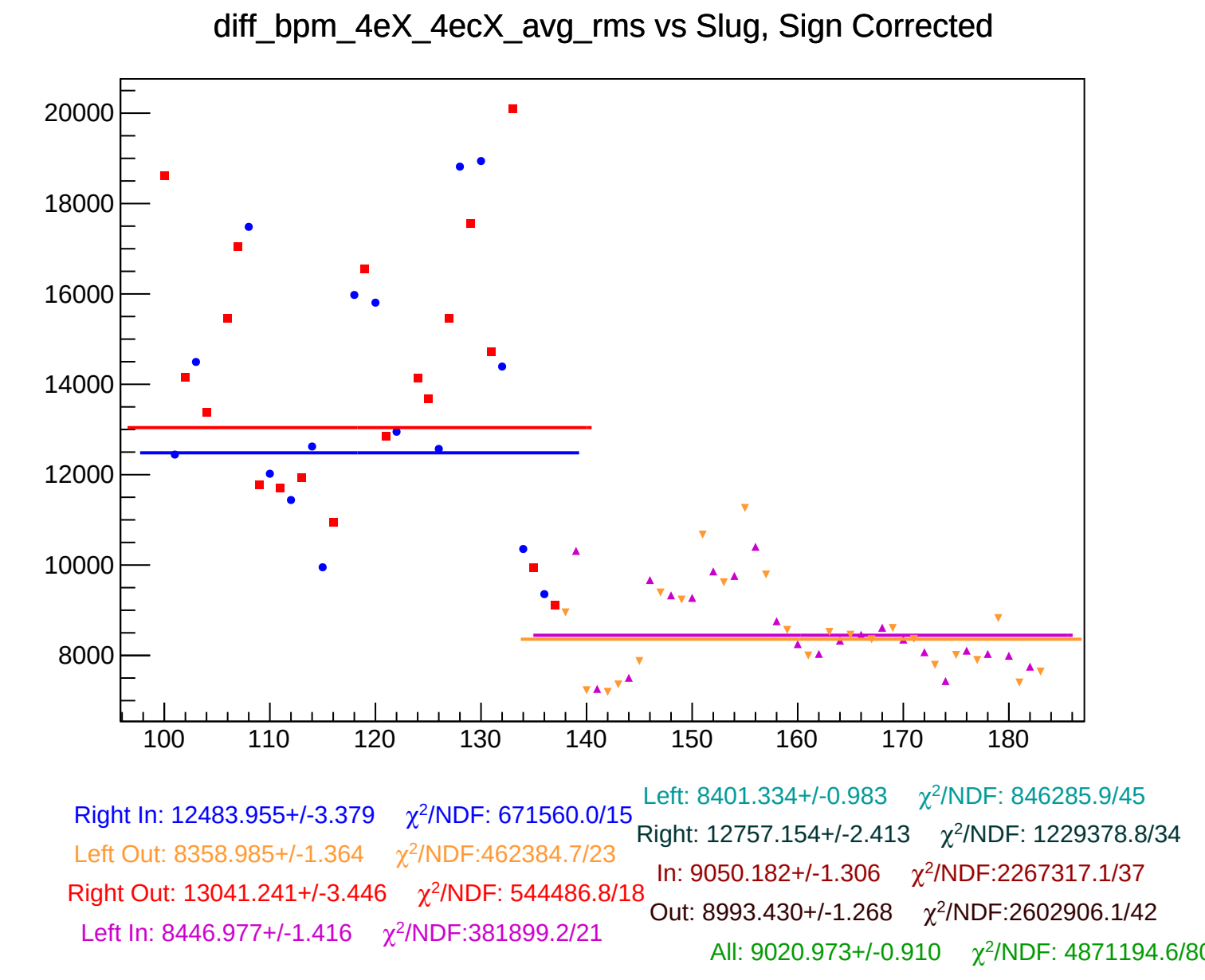
Left: -3.889+/-1.390 χ^2/NDF: 100.4/45

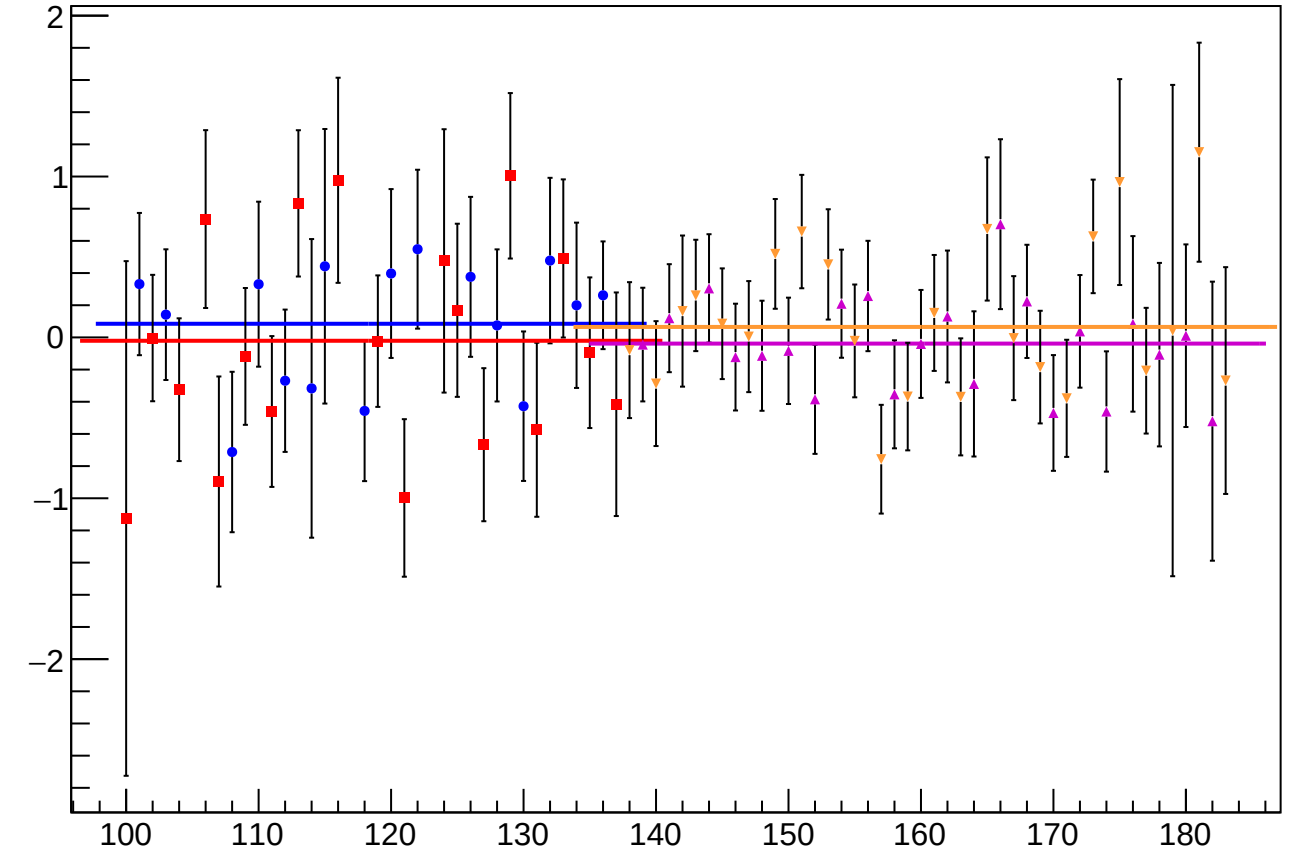
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: 0.081+/-1.847 χ^2/NDF:52.6/37

Out: -6.310+/-1.794 χ^2/NDF:87.4/42

All: -3.208+/-1.287 χ^2/NDF: 146.1/80


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: 8358.985+/-1.364 χ²/NDF:462384.7/23
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8446.977+/-1.416 χ²/NDF:381899.2/21
Left: 8401.334+/-0.983 χ²/NDF: 846285.9/45
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9050.182+/-1.306 χ²/NDF:2267317.1/37
Out: 8993.430+/-1.268 χ²/NDF:2602906.1/42
All: 9020.973+/-0.910 χ²/NDF: 4871194.6/80



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.065+/-0.080 χ^2/NDF:28.0/23

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: 0.014+/-0.057 χ^2/NDF: 39.6/45

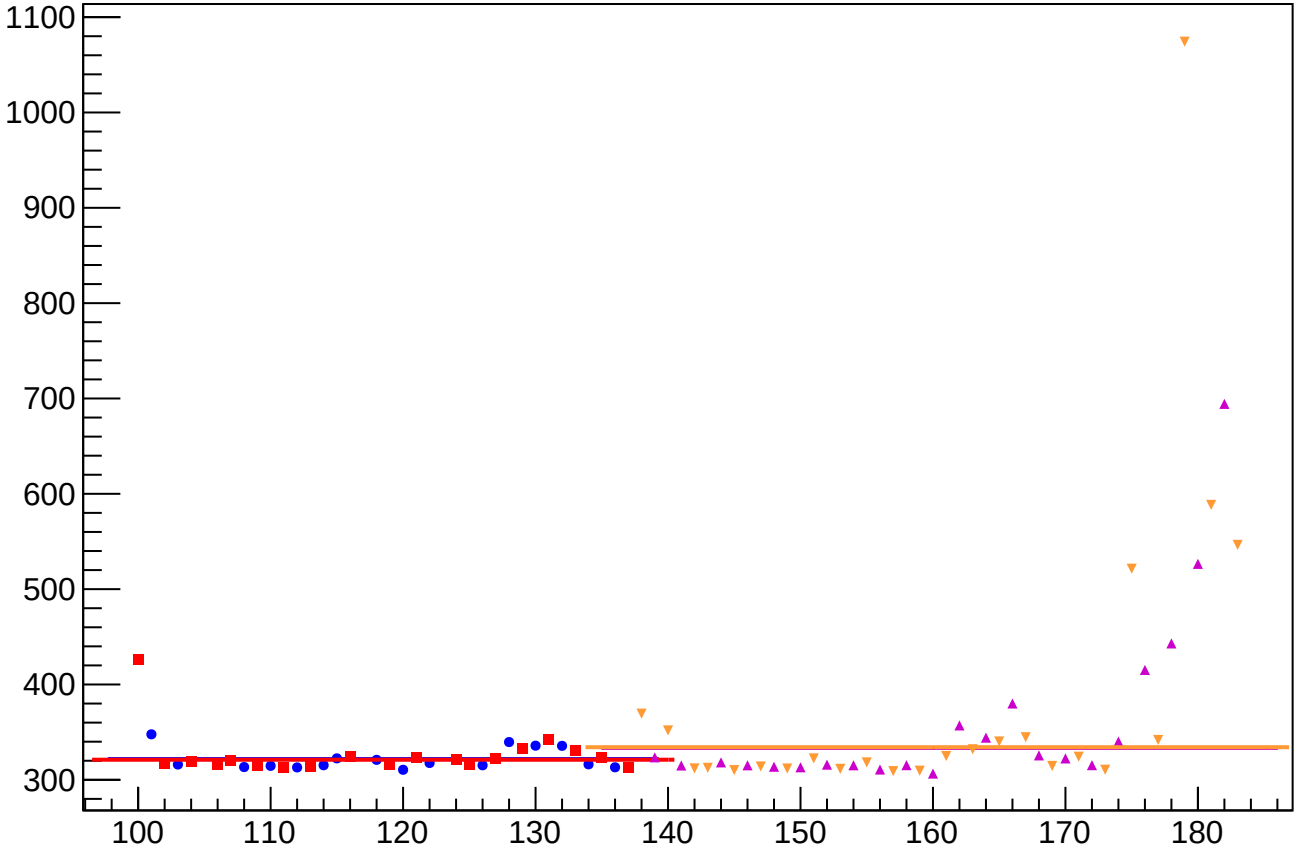
Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: -0.000+/-0.067 χ^2/NDF:20.8/37

Out: 0.038+/-0.066 χ^2/NDF:52.7/42

All: 0.019+/-0.047 χ^2/NDF: 73.7/80

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 334.200+/-0.056 χ^2/NDF:1214035.1/23

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 333.471+/-0.057 χ^2/NDF:799258.1/21

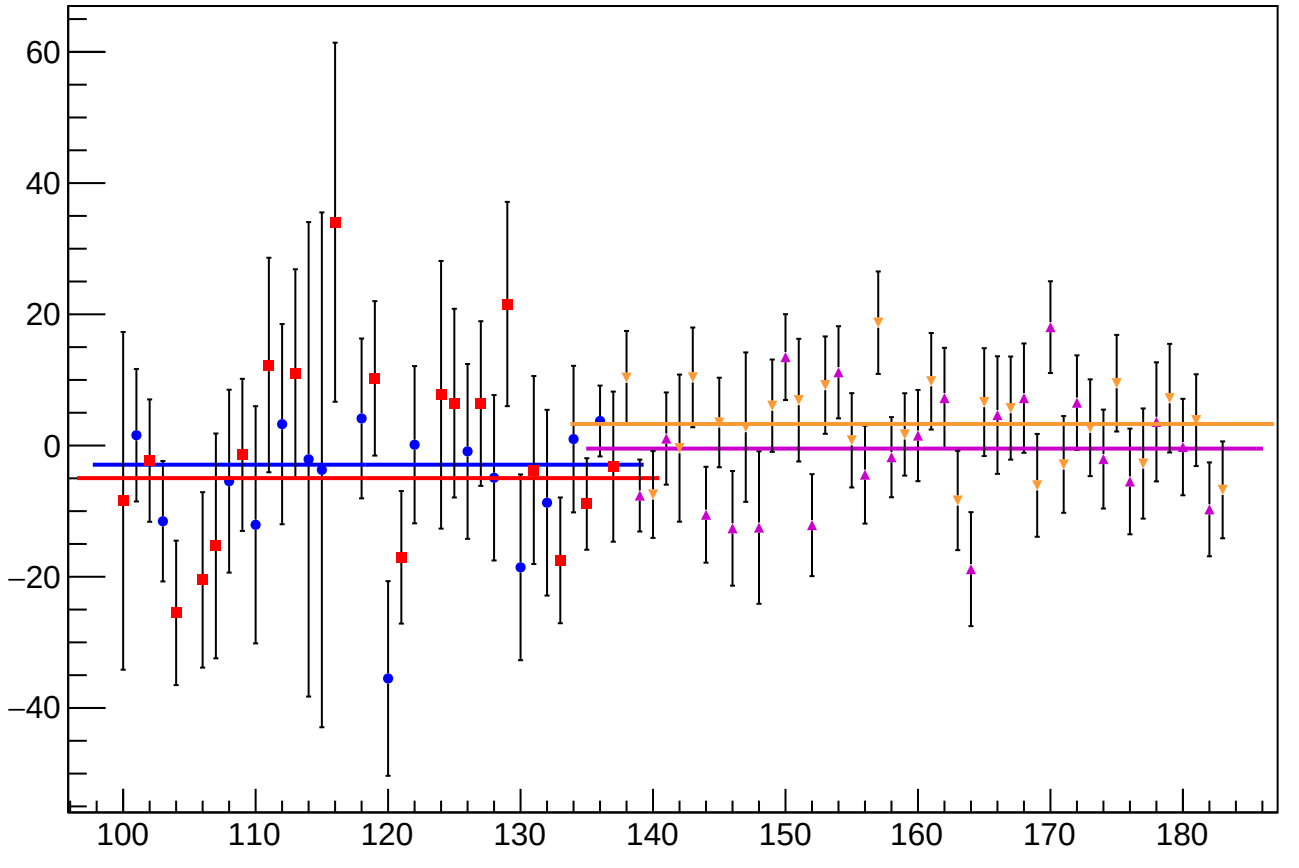
Left: 333.840+/-0.040 χ^2/NDF: 2013375.6/45

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 329.807+/-0.047 χ^2/NDF:830615.5/37

Out: 330.067+/-0.047 χ^2/NDF:1247655.4/42

All: 329.939+/-0.033 χ^2/NDF: 2078286.3/80



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.289+/-1.554 χ^2/NDF:18.5/23

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -0.464+/-1.584 χ^2/NDF:33.5/21

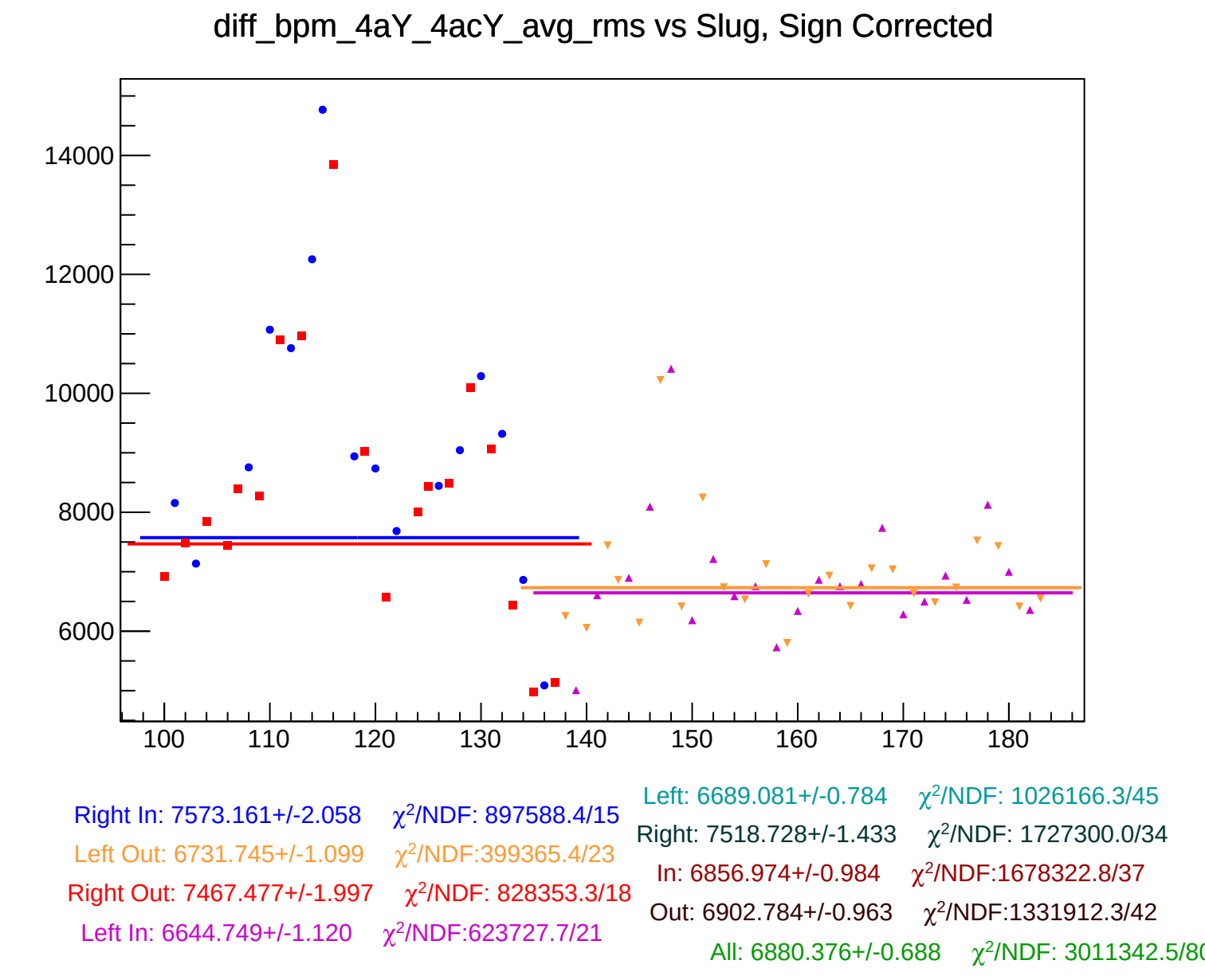
Left: 1.448+/-1.109 χ^2/NDF: 54.9/45

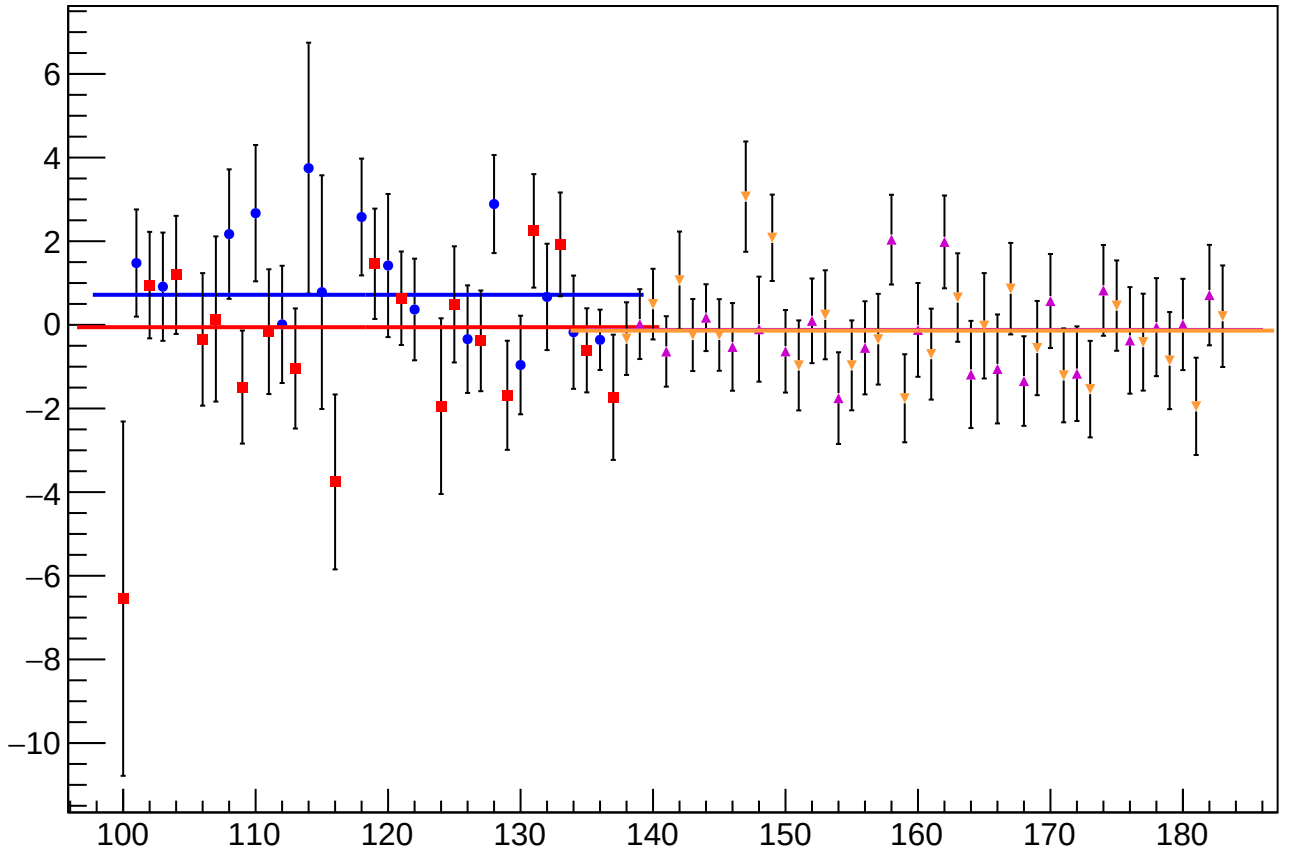
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -1.026+/-1.391 χ^2/NDF:43.9/37

Out: 1.370+/-1.362 χ^2/NDF:44.5/42

All: 0.198+/-0.973 χ^2/NDF: 89.9/80


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: 6731.745+/-1.099 χ²/NDF:399365.4/23
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6644.749+/-1.120 χ²/NDF:623727.7/21
Left: 6689.081+/-0.784 χ²/NDF: 1026166.3/45
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 6856.974+/-0.984 χ²/NDF:1678322.8/37
Out: 6902.784+/-0.963 χ²/NDF:1331912.3/42
All: 6880.376+/-0.688 χ²/NDF: 3011342.5/80



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.138+/-0.216 χ^2/NDF:23.4/23

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.121+/-0.227 χ^2/NDF:16.0/21

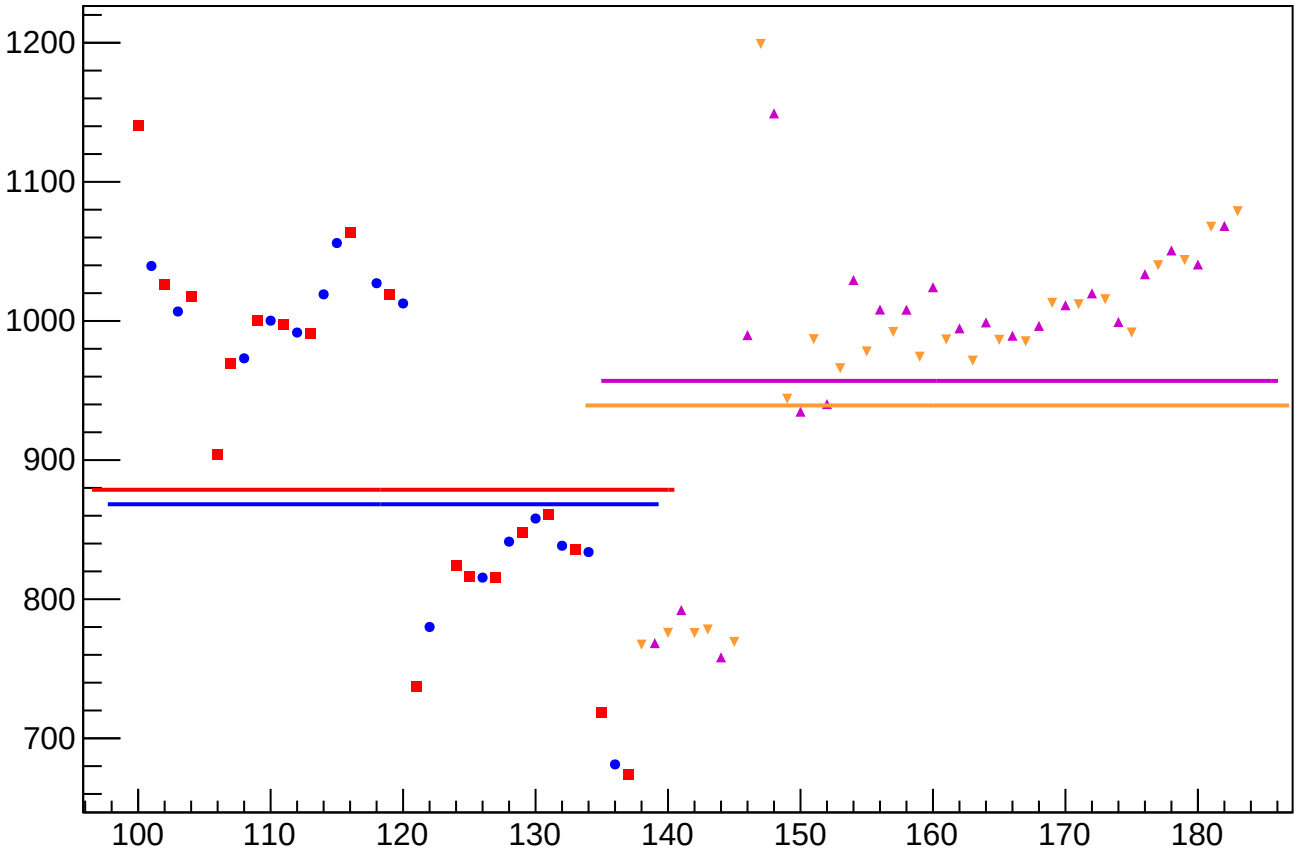
Left: -0.130+/-0.157 χ^2/NDF: 39.4/45

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.153+/-0.186 χ^2/NDF:35.3/37

Out: -0.112+/-0.180 χ^2/NDF:43.2/42

All: 0.016+/-0.129 χ^2/NDF: 79.6/80



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 939.275+/-0.153 χ^2/NDF:558289.8/23

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 956.939+/-0.160 χ^2/NDF:448690.5/21

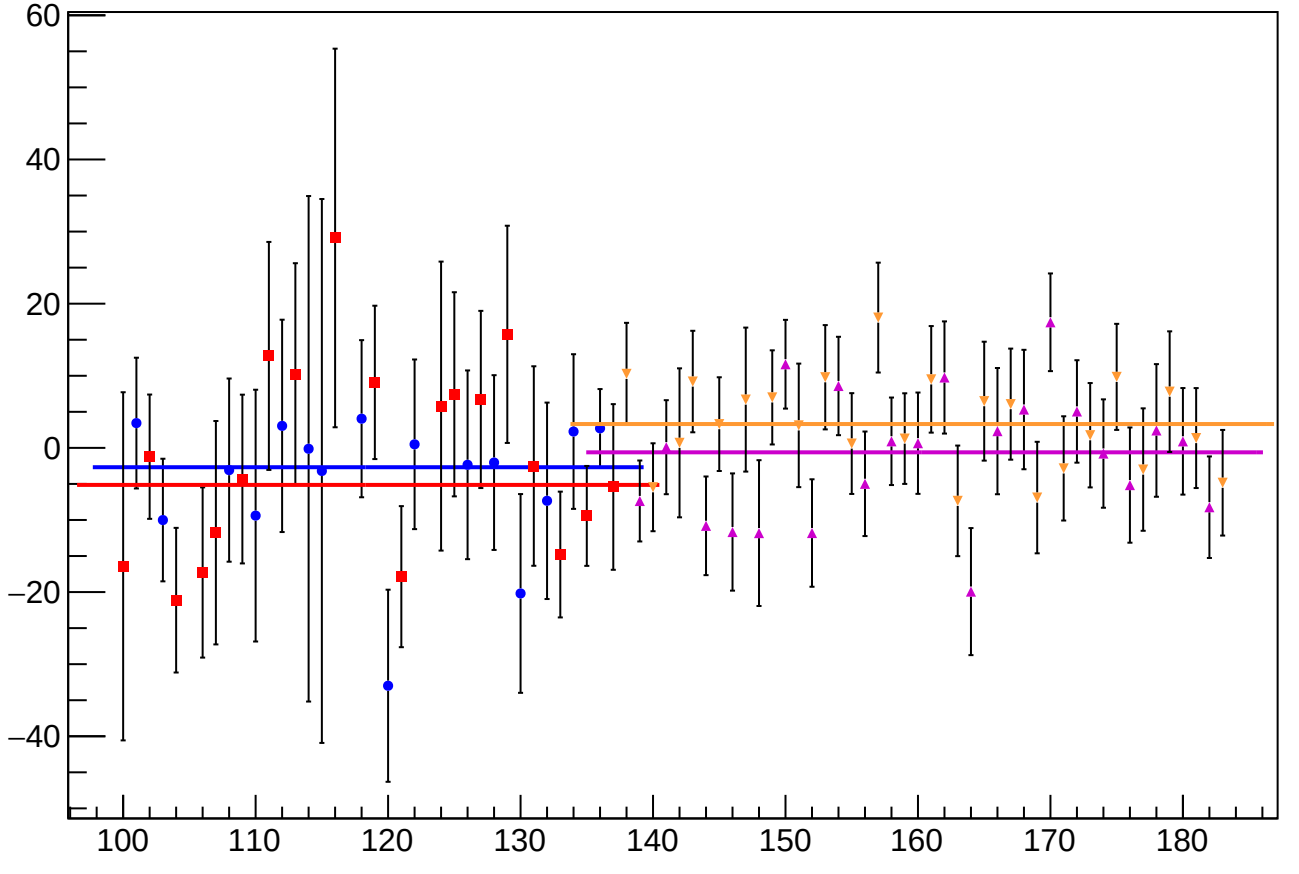
Left: 947.695+/-0.111 χ^2/NDF: 1013328.6/45

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 928.004+/-0.132 χ^2/NDF:850870.6/37

Out: 920.517+/-0.127 χ^2/NDF:879353.9/42

All: 924.132+/-0.091 χ^2/NDF: 1731897.4/80



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.307+/-1.512 χ^2/NDF:17.4/23

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -0.617+/-1.550 χ^2/NDF:31.8/21

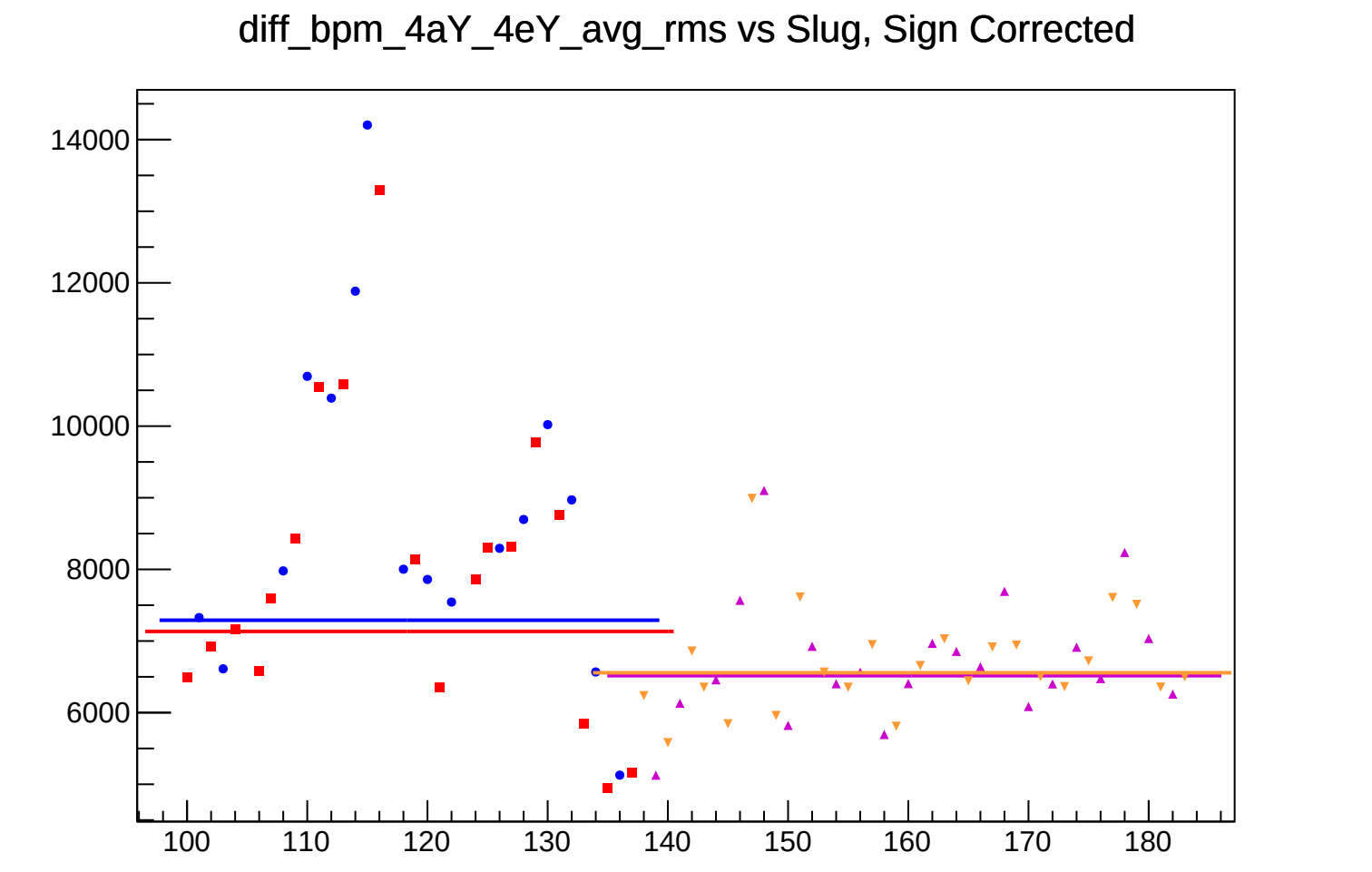
Left: 1.393+/-1.083 χ^2/NDF: 52.5/45

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -1.105+/-1.355 χ^2/NDF:42.3/37

Out: 1.281+/-1.319 χ^2/NDF:42.1/42

All: 0.120+/-0.945 χ^2/NDF: 86.0/80



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6557.020+/-1.069 χ^2/NDF:362453.7/23

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6516.026+/-1.096 χ^2/NDF:510416.8/21

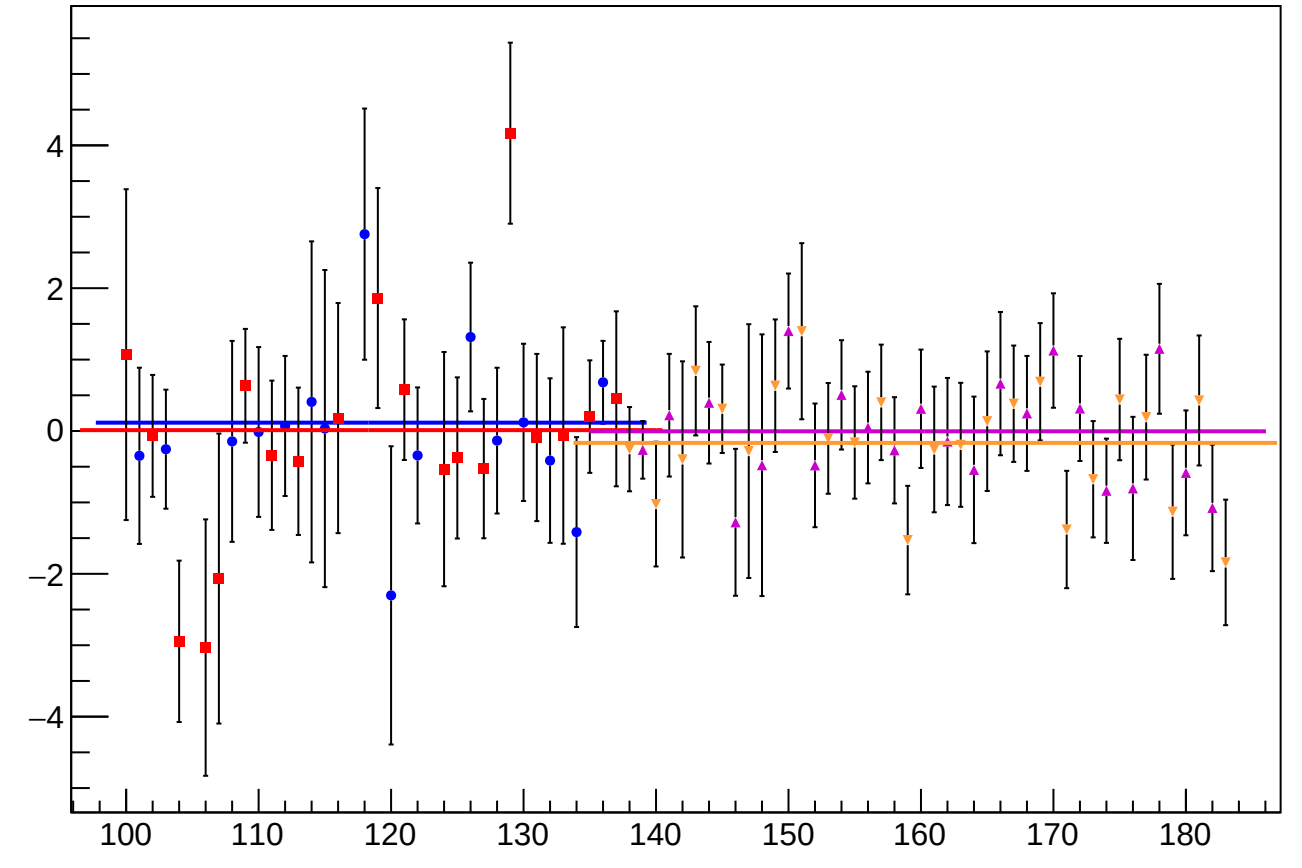
Left: 6537.030+/-0.765 χ^2/NDF: 873587.1/45

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6698.843+/-0.958 χ^2/NDF:1398732.2/37

Out: 6695.539+/-0.932 χ^2/NDF:1225180.0/42

All: 6697.146+/-0.668 χ^2/NDF: 2623918.4/80



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.166+/-0.174 χ^2/NDF:18.9/23

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: -0.084+/-0.122 χ^2/NDF: 34.2/45

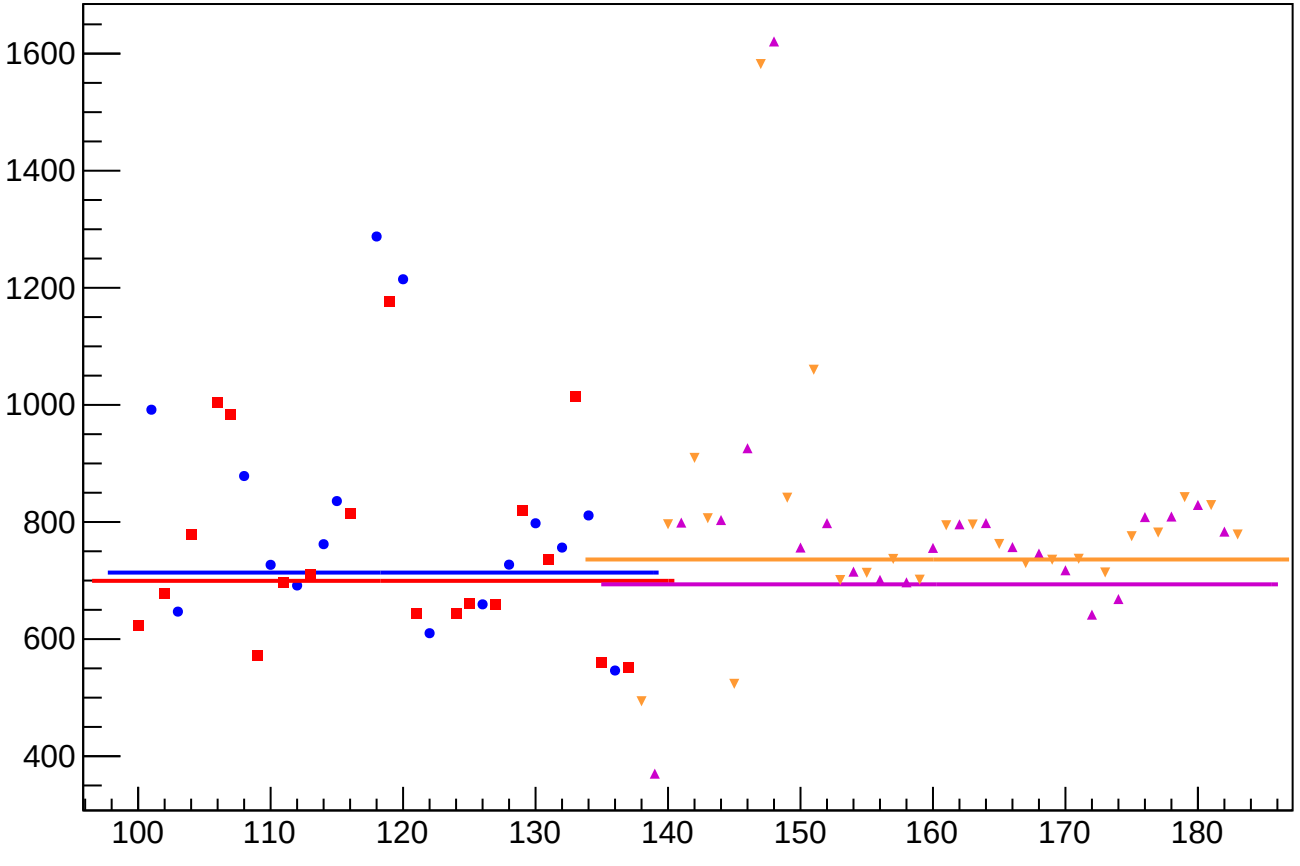
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.030+/-0.145 χ^2/NDF:23.1/37

Out: -0.112+/-0.145 χ^2/NDF:44.4/42

All: -0.041+/-0.102 χ^2/NDF: 68.0/80

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 735.986+/-0.123 χ^2/NDF:1335763.9/23

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 693.536+/-0.121 χ^2/NDF:2223447.2/21

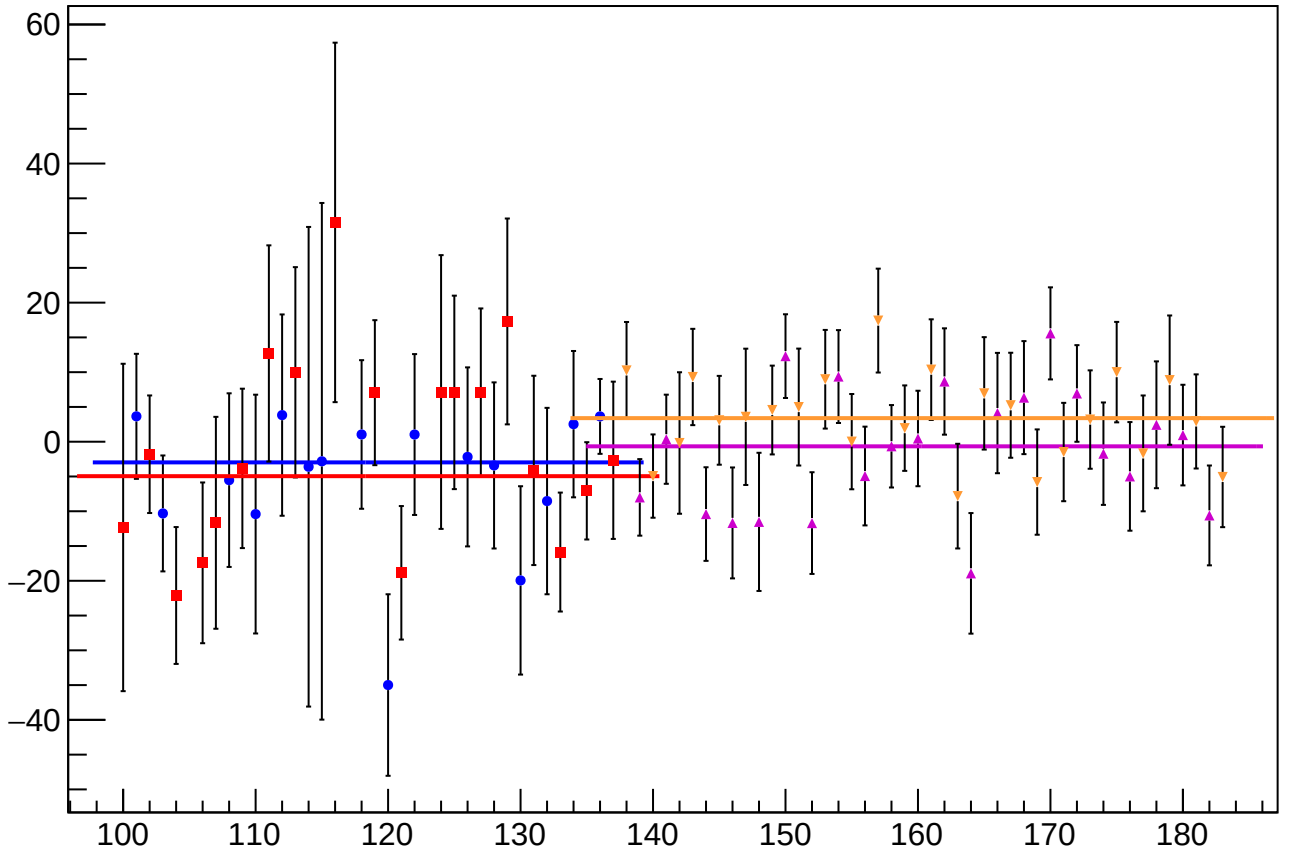
Left: 714.372+/-0.086 χ^2/NDF: 3620118.2/45

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 699.165+/-0.102 χ^2/NDF:2930539.0/37

Out: 724.928+/-0.102 χ^2/NDF:1938303.9/42

All: 712.019+/-0.072 χ^2/NDF: 4900522.7/80



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.391+/-1.488 χ^2/NDF:16.6/23

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -0.664+/-1.523 χ^2/NDF:33.2/21

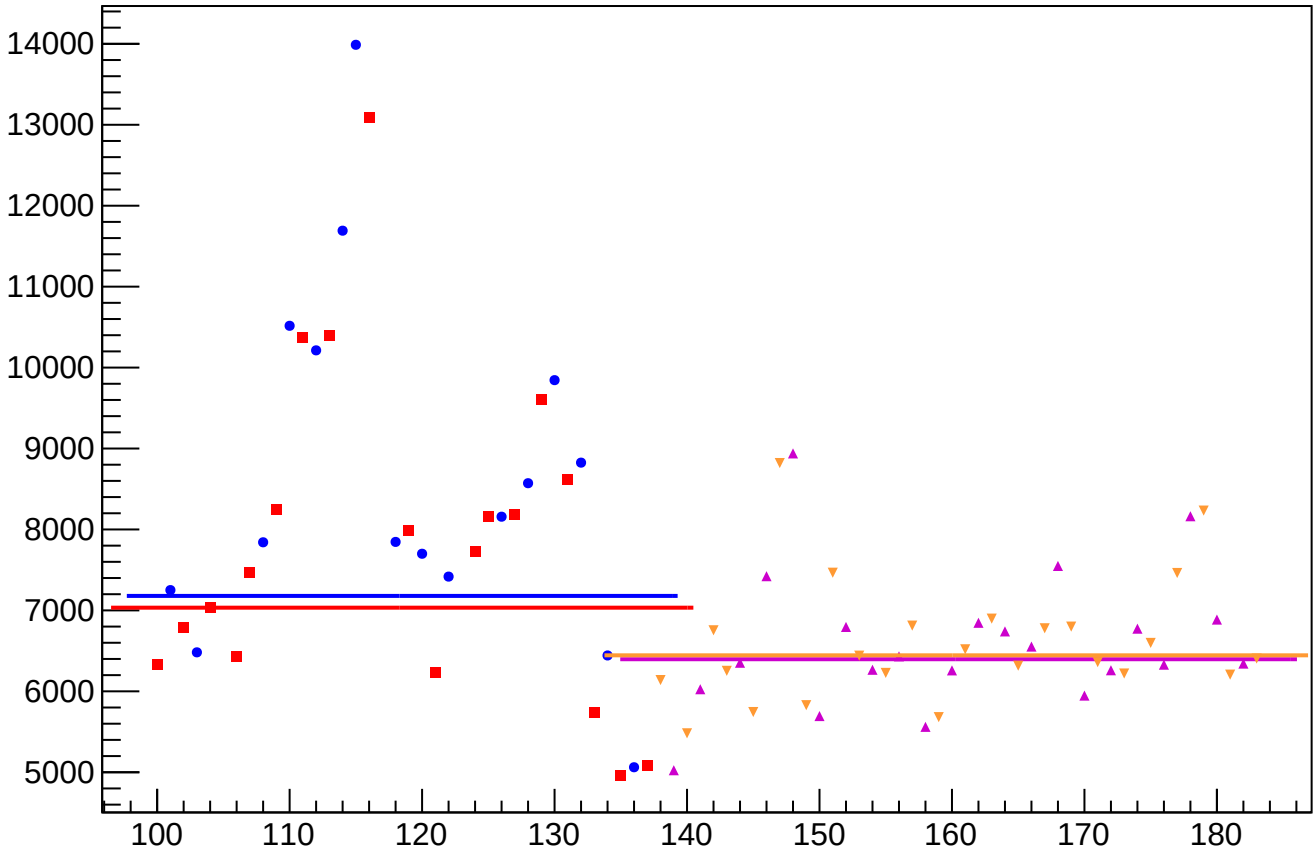
Left: 1.409+/-1.064 χ^2/NDF: 53.4/45

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -1.207+/-1.332 χ^2/NDF:45.3/37

Out: 1.393+/-1.298 χ^2/NDF:42.6/42

All: 0.126+/-0.930 χ^2/NDF: 89.8/80



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6444.889+/-1.053 χ^2/NDF:412328.7/23

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6396.594+/-1.077 χ^2/NDF:520286.1/21

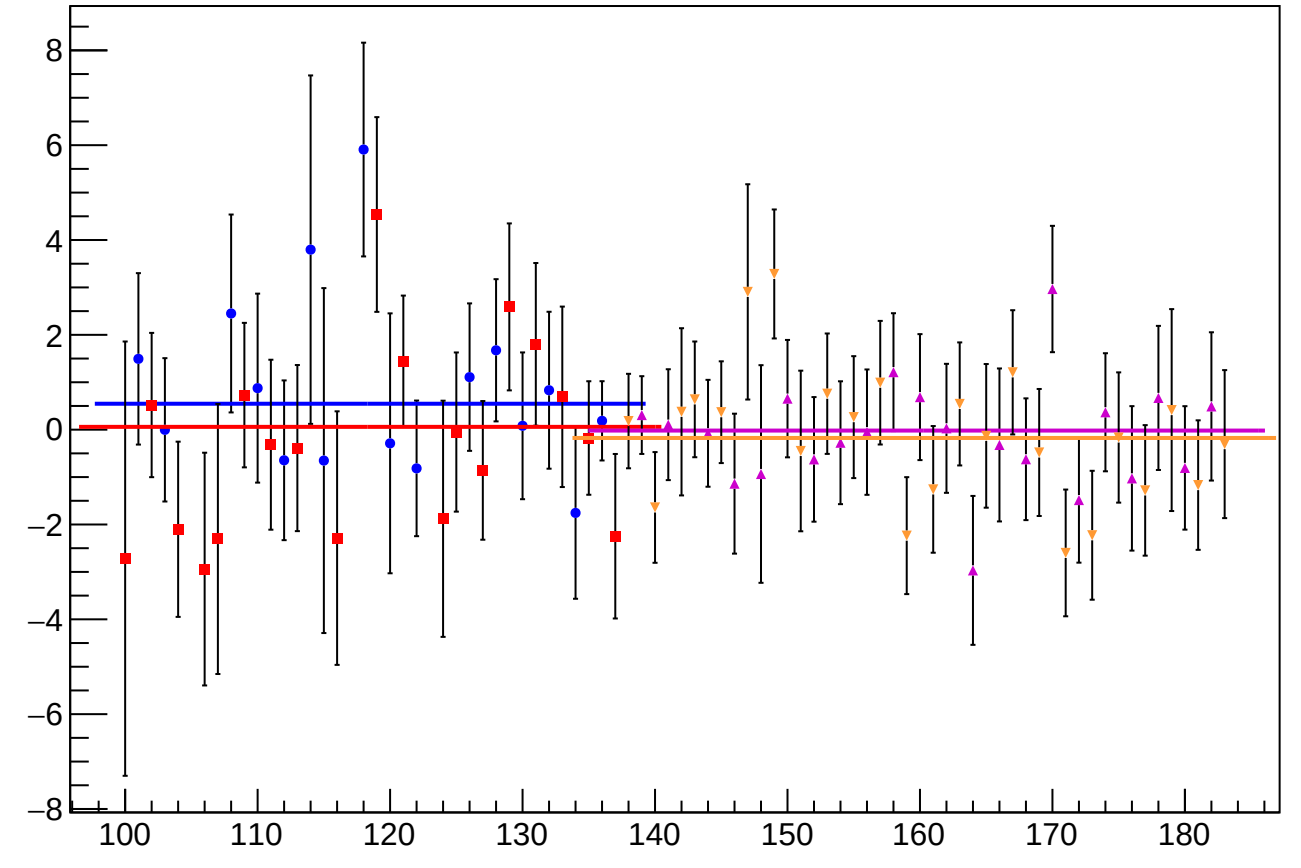
Left: 6421.290+/-0.753 χ^2/NDF: 933643.6/45

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6580.570+/-0.942 χ^2/NDF:1406376.8/37

Out: 6585.808+/-0.918 χ^2/NDF:1253597.7/42

All: 6583.256+/-0.657 χ^2/NDF: 2659990.4/80



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.175+/-0.275 χ^2/NDF:24.0/23

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: -0.098+/-0.196 χ^2/NDF: 38.2/45

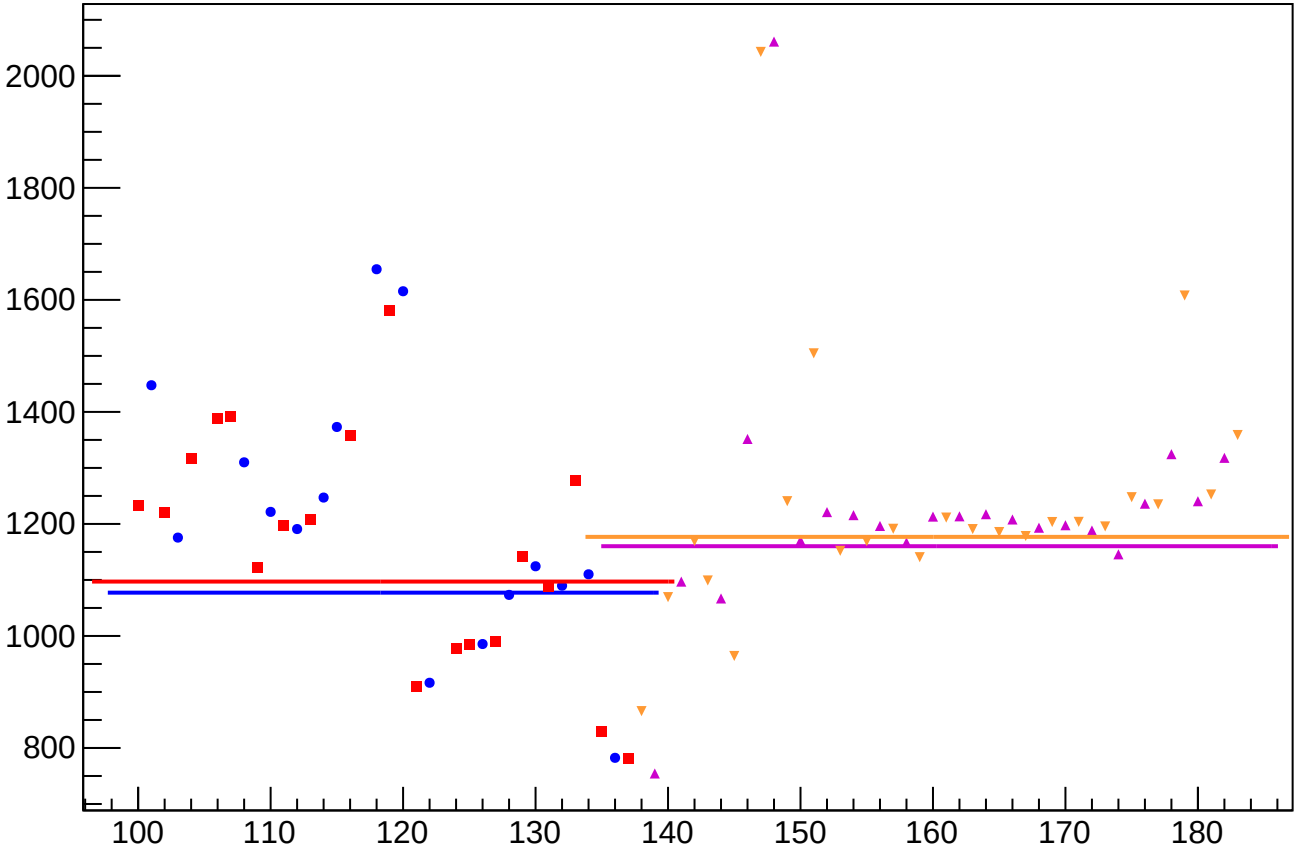
Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.160+/-0.231 χ^2/NDF:27.2/37

Out: -0.102+/-0.228 χ^2/NDF:41.1/42

All: 0.027+/-0.162 χ^2/NDF: 69.0/80

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1176.897+/-0.195 χ^2/NDF:799391.6/23

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1160.243+/-0.197 χ^2/NDF:931806.3/21

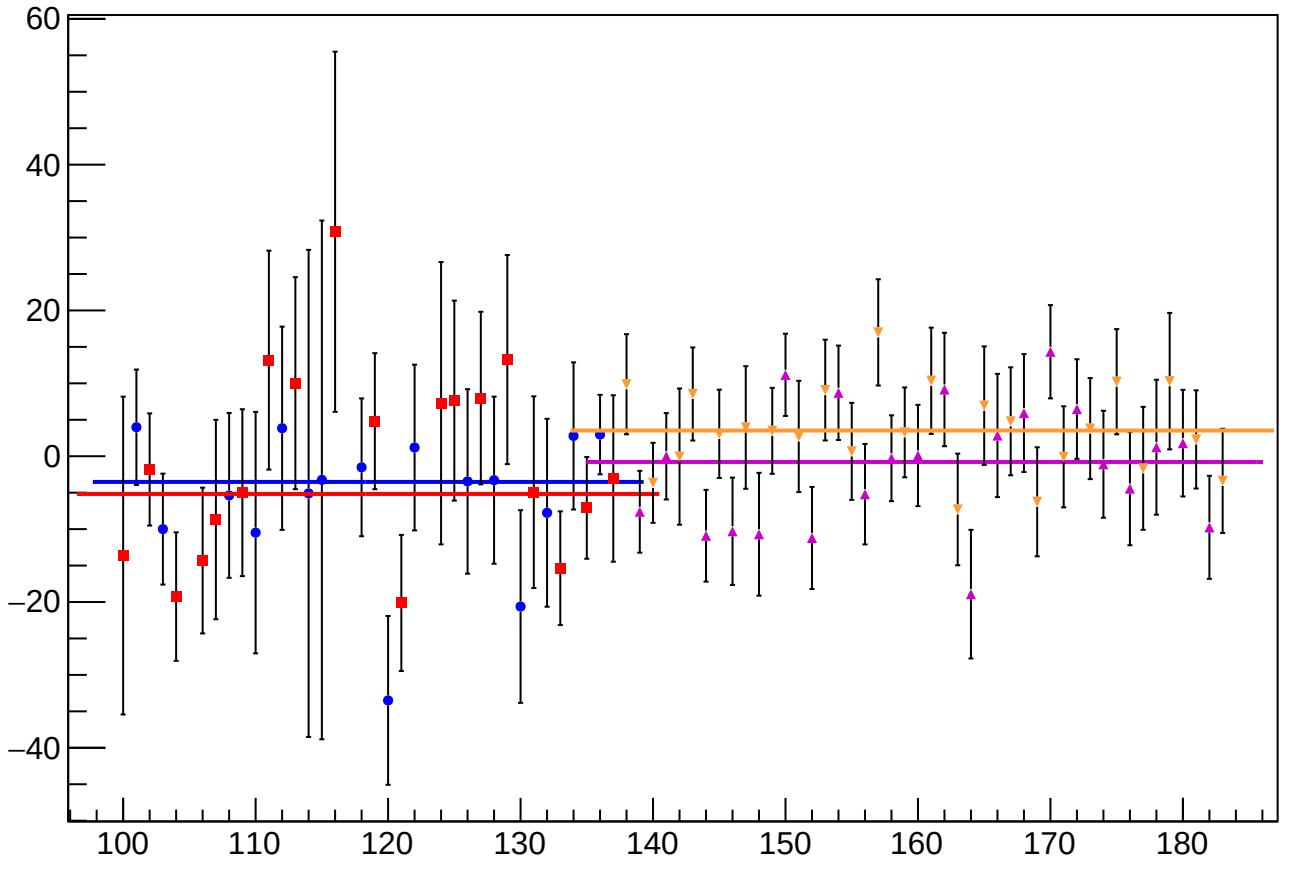
Left: 1168.686+/-0.139 χ^2/NDF: 1734811.7/45

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1134.075+/-0.163 χ^2/NDF:1634107.2/37

Out: 1152.031+/-0.161 χ^2/NDF:1336195.9/42

All: 1143.153+/-0.115 χ^2/NDF: 2976423.2/80



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.526+/-1.441 χ^2/NDF:15.4/23

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -0.788+/-1.484 χ^2/NDF:31.9/21

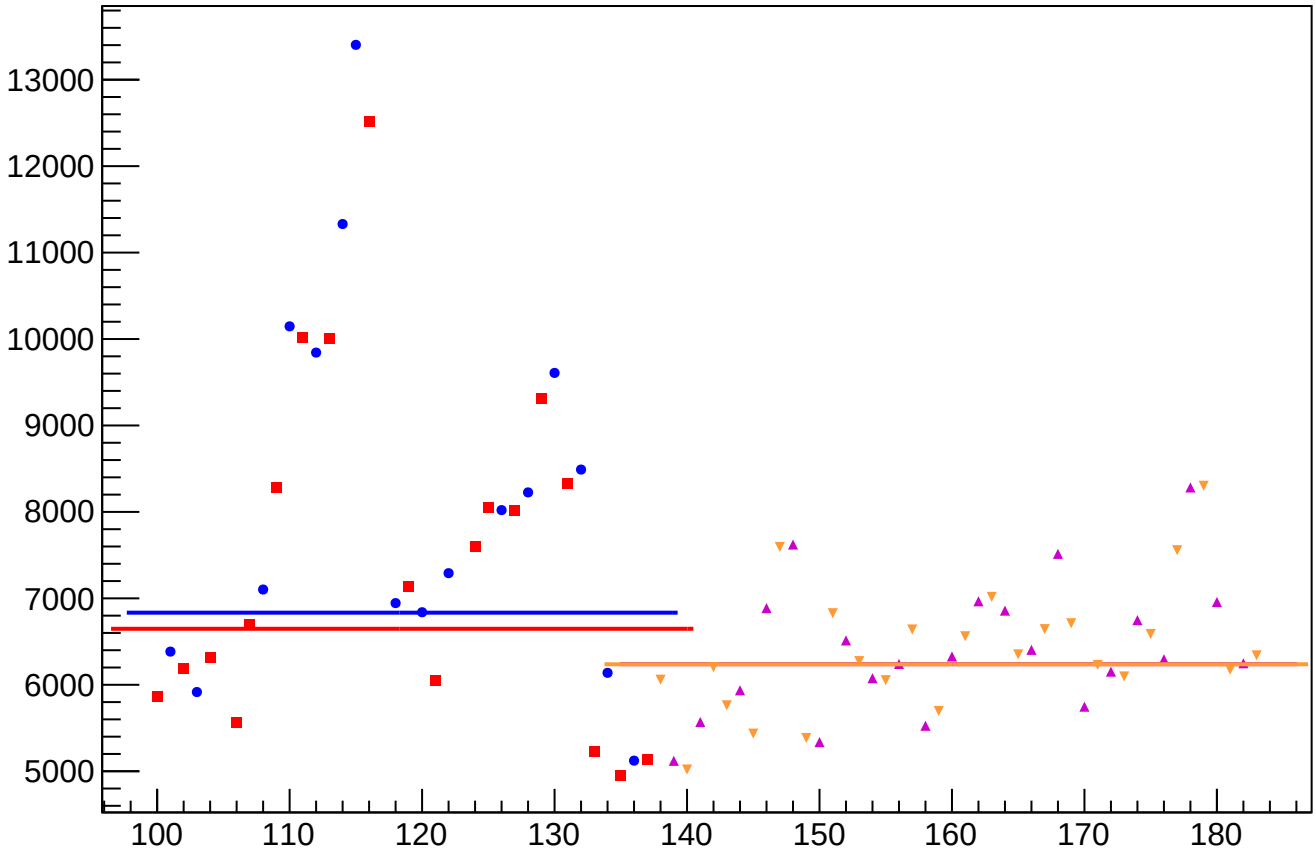
Left: 1.431+/-1.034 χ^2/NDF: 51.6/45

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -1.458+/-1.290 χ^2/NDF:45.3/37

Out: 1.365+/-1.250 χ^2/NDF:42.6/42

All: -0.002+/-0.897 χ^2/NDF: 90.4/80



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6237.303+/-1.019 χ^2/NDF:466424.3/23

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6238.636+/-1.049 χ^2/NDF:480495.4/21

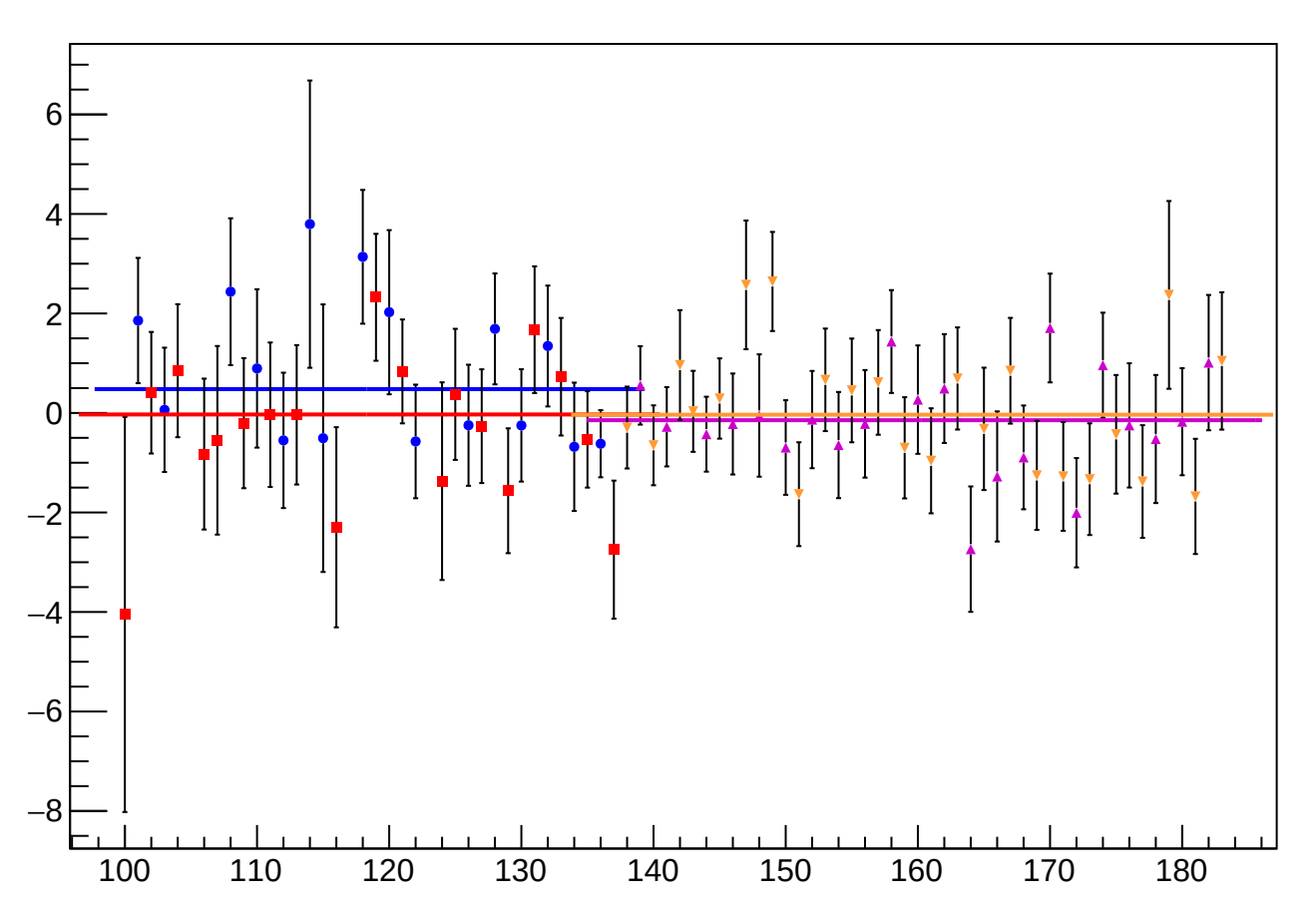
Left: 6237.950+/-0.731 χ^2/NDF: 946920.5/45

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6384.288+/-0.912 χ^2/NDF:1252043.7/37

Out: 6339.273+/-0.884 χ^2/NDF:1291842.9/42

All: 6361.072+/-0.635 χ^2/NDF: 2545143.2/80



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.035+/-0.213 χ^2/NDF:28.4/23

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: -0.088+/-0.153 χ^2/NDF: 46.1/45

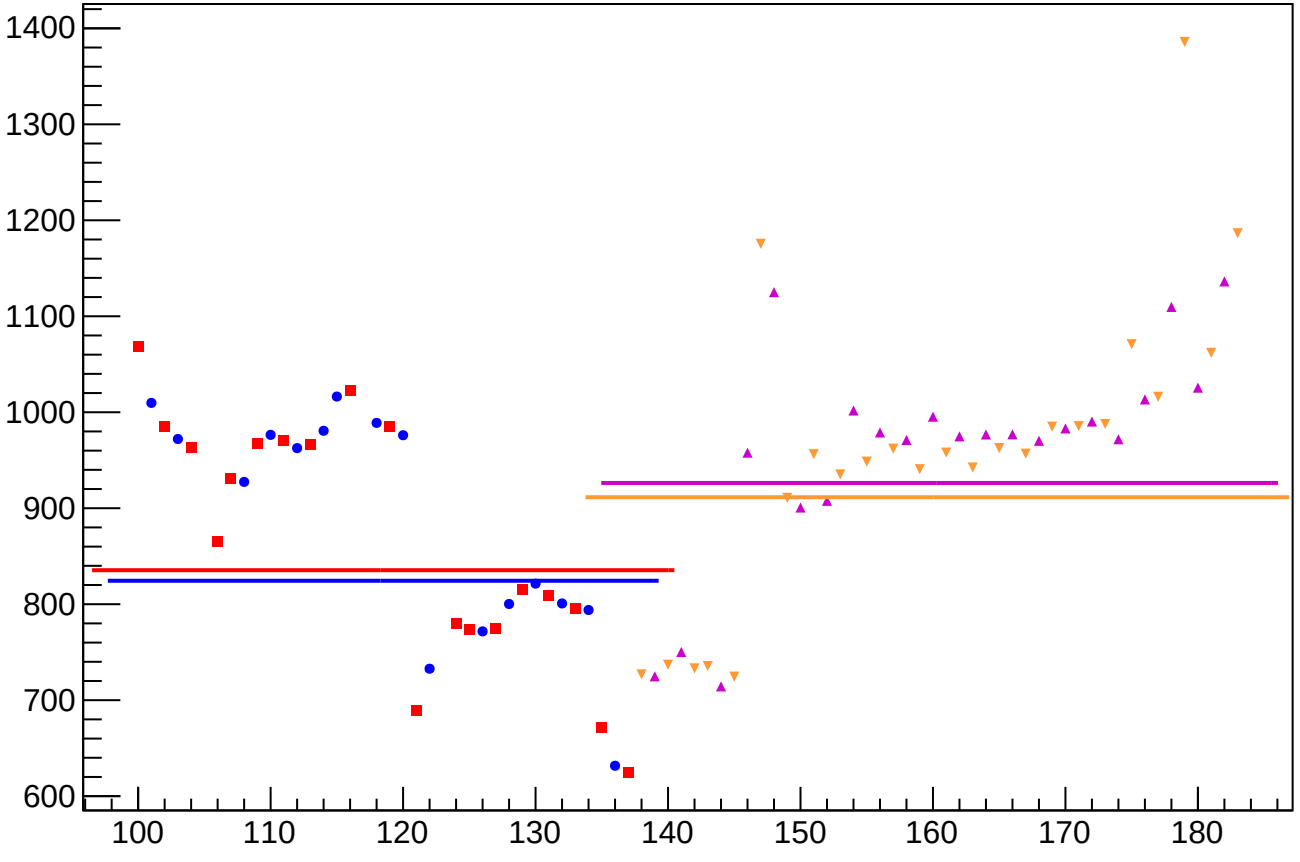
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.065+/-0.180 χ^2/NDF:36.9/37

Out: -0.034+/-0.175 χ^2/NDF:44.2/42

All: 0.014+/-0.126 χ^2/NDF: 81.2/80

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 911.439+/-0.151 χ^2/NDF:877615.9/23

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 926.335+/-0.156 χ^2/NDF:614392.9/21

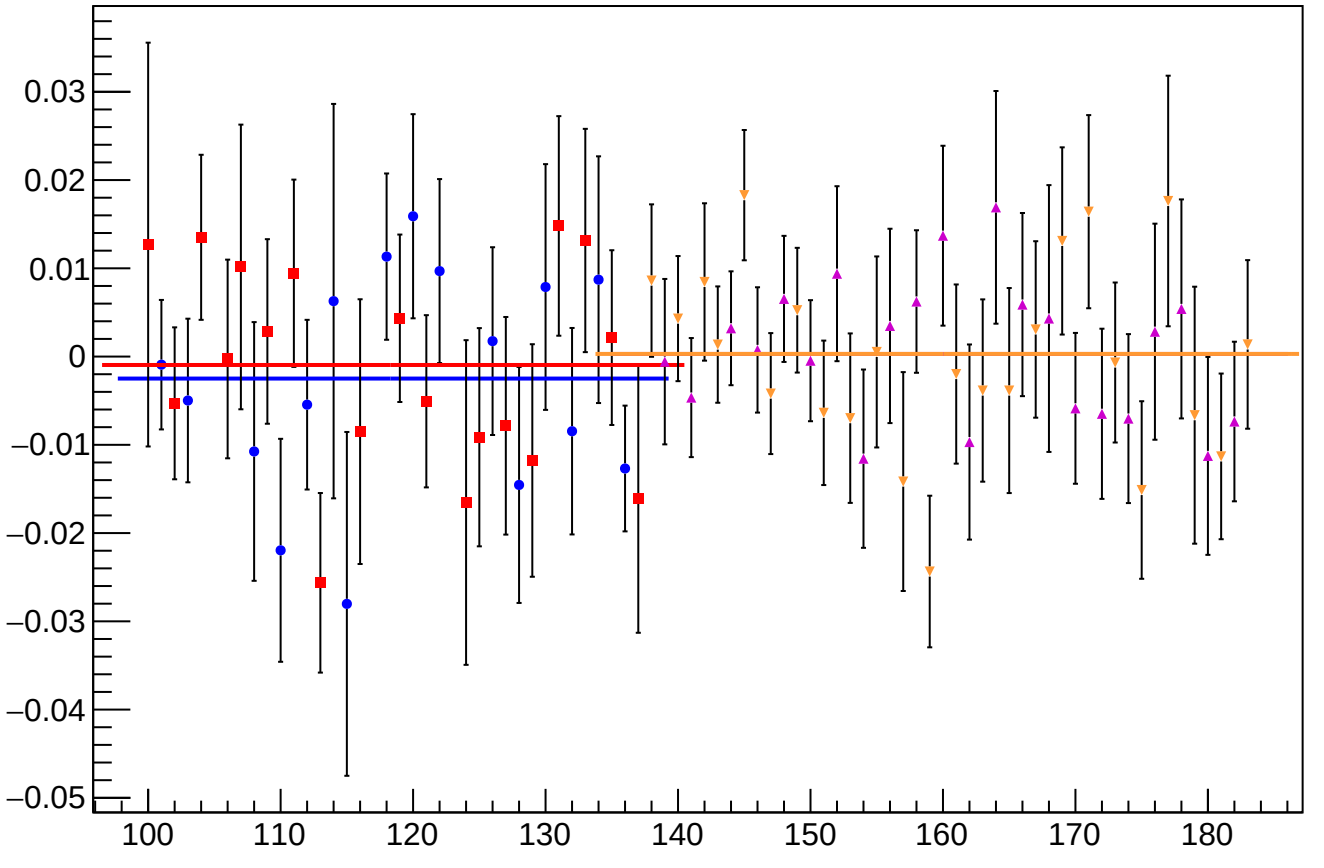
Left: 918.604+/-0.109 χ^2/NDF: 1496714.1/45

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 892.059+/-0.127 χ^2/NDF:1122548.8/37

Out: 886.908+/-0.124 χ^2/NDF:1279102.2/42

All: 889.412+/-0.089 χ^2/NDF: 2402490.3/80



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:29.5/23

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: 41.9/45

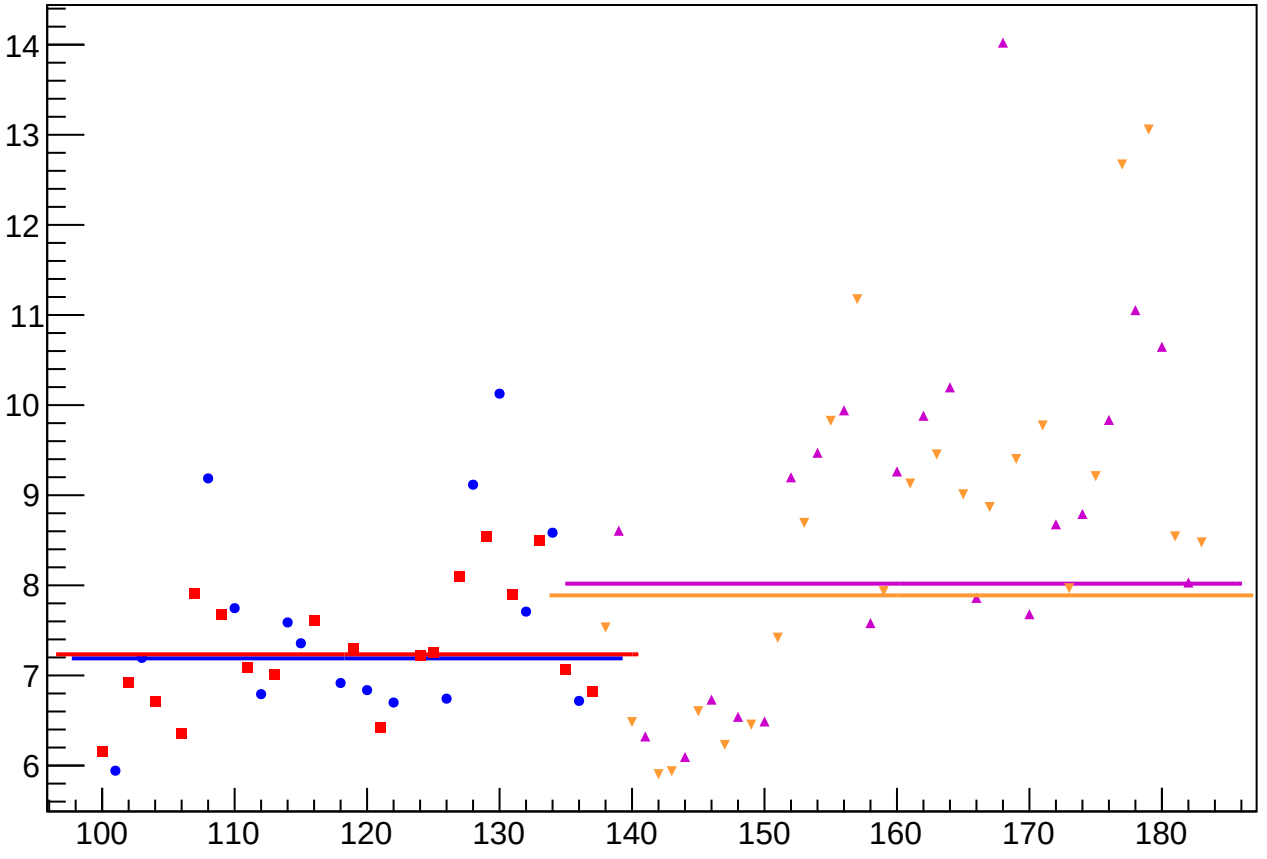
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.001+/-0.002 χ^2/NDF:28.5/37

Out: -0.000+/-0.002 χ^2/NDF:46.9/42

All: -0.000+/-0.001 χ^2/NDF: 75.4/80

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.889+/-0.001 χ^2/NDF:1586968.9/23

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: 7.951+/-0.001 χ^2/NDF: 3047415.7/45

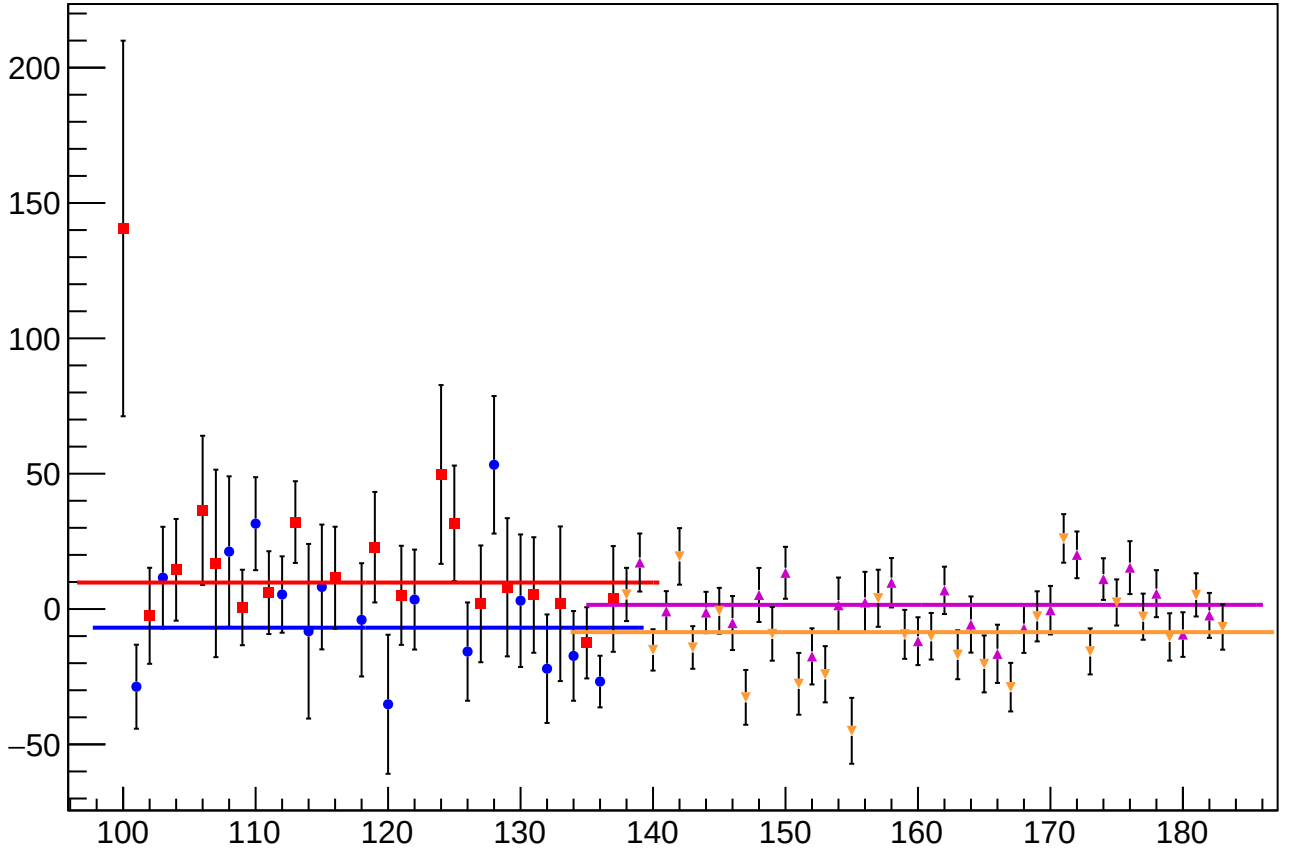
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.739+/-0.001 χ^2/NDF:1857482.7/37

Out: 7.674+/-0.001 χ^2/NDF:1774667.3/42

All: 7.706+/-0.001 χ^2/NDF: 3633895.1/80

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -8.538+/-1.865 χ^2/NDF:60.8/23

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 1.547+/-1.941 χ^2/NDF:26.0/21

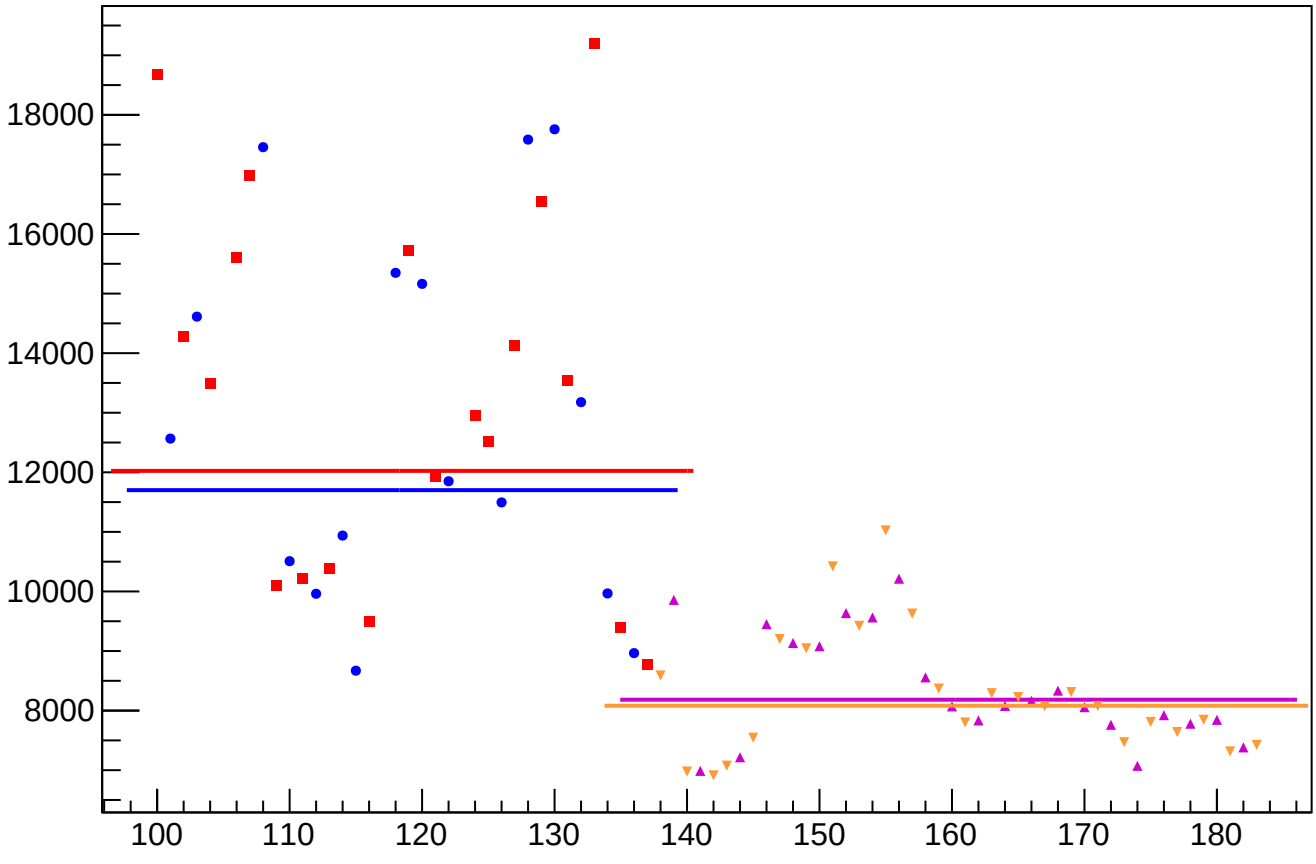
Left: -3.696+/-1.345 χ^2/NDF: 100.8/45

Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: 0.217+/-1.782 χ^2/NDF:52.0/37

Out: -5.868+/-1.724 χ^2/NDF:88.9/42

All: -2.925+/-1.239 χ^2/NDF: 146.9/80



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8081.734+/-1.319 χ^2/NDF:490539.3/23

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8182.988+/-1.373 χ^2/NDF:422662.9/21

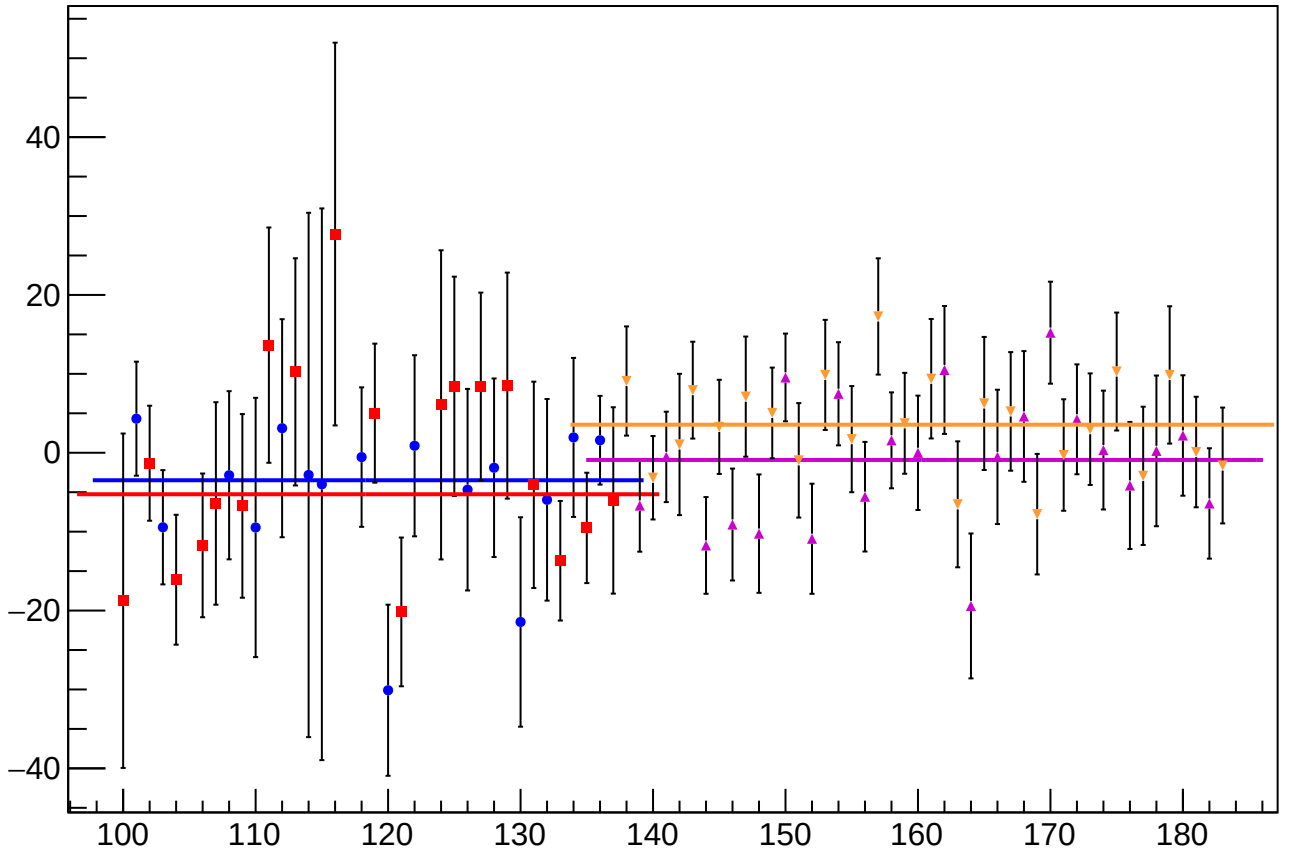
Left: 8130.346+/-0.951 χ^2/NDF: 916031.3/45

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 8737.288+/-1.260 χ^2/NDF:2197726.0/37

Out: 8656.076+/-1.219 χ^2/NDF:2476788.5/42

All: 8695.350+/-0.876 χ^2/NDF: 4676660.3/80



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.556+/-1.442 χ^2/NDF:15.4/23

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -0.911+/-1.493 χ^2/NDF:29.1/21

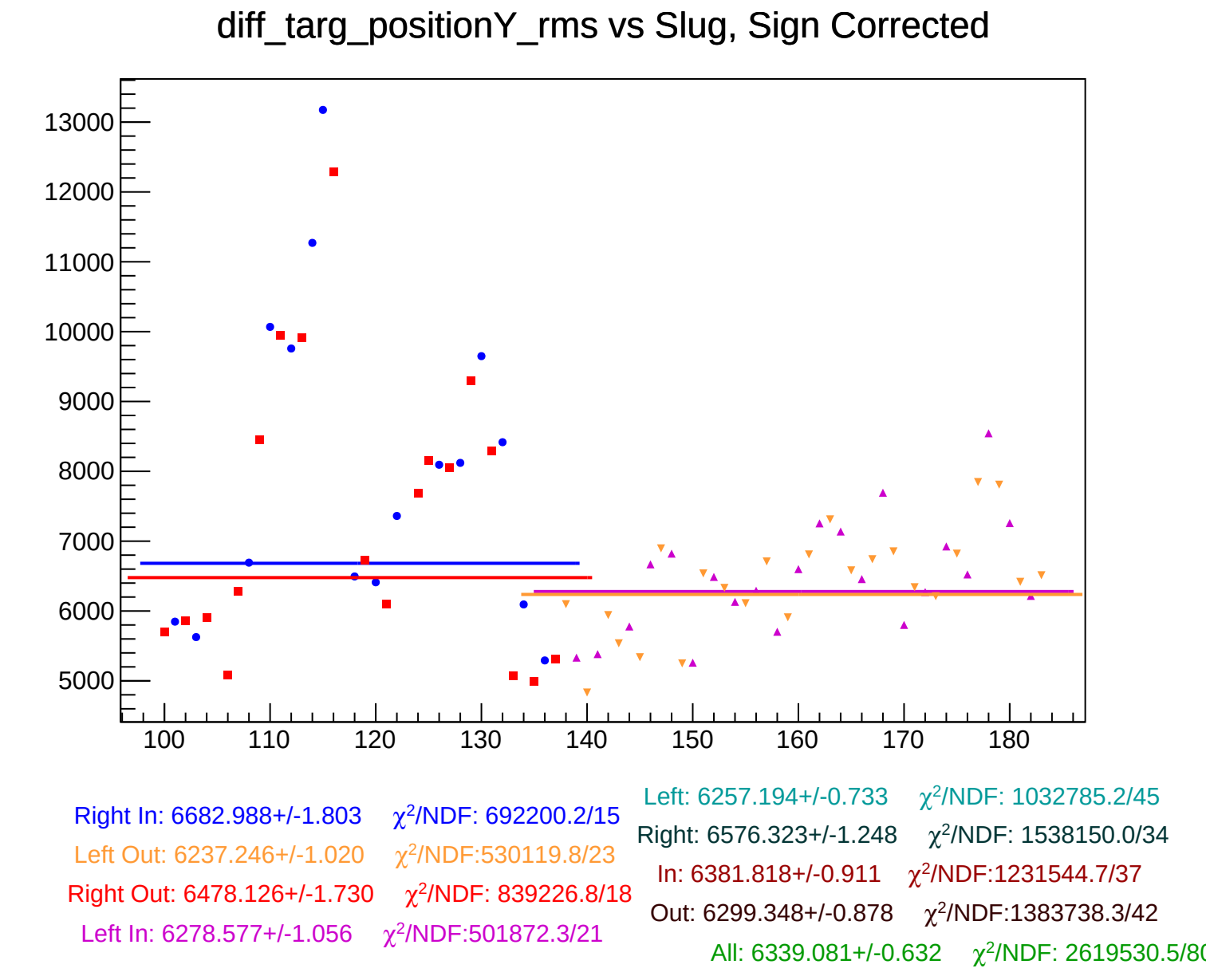
Left: 1.400+/-1.037 χ^2/NDF: 49.1/45

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

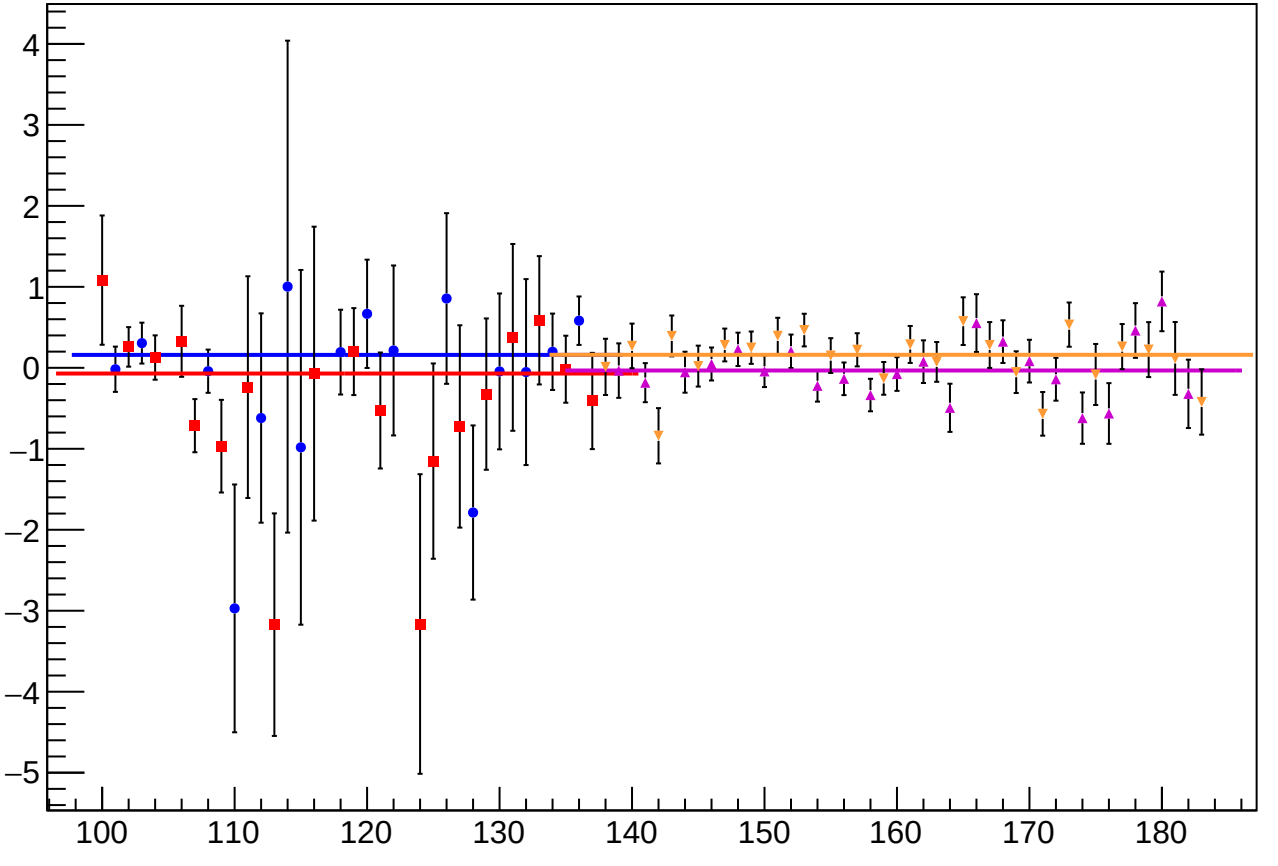
In: -1.568+/-1.288 χ^2/NDF:41.3/37

Out: 1.283+/-1.242 χ^2/NDF:41.6/42

All: -0.090+/-0.894 χ^2/NDF: 85.5/80


diff_targ_positionY_rms vs Slug, Sign Corrected
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
110
120
130
140
150
160
170
180
Right In: 6682.988+/-1.803 χ²/NDF: 692200.2/15
Left Out: 6237.246+/-1.020 χ²/NDF:530119.8/23
Right Out: 6478.126+/-1.730 χ²/NDF: 839226.8/18
Left In: 6278.577+/-1.056 χ²/NDF:501872.3/21
Left: 6257.194+/-0.733 χ²/NDF: 1032785.2/45
Right: 6576.323+/-1.248 χ²/NDF: 1538150.0/34
In: 6381.818+/-0.911 χ²/NDF:1231544.7/37
Out: 6299.348+/-0.878 χ²/NDF:1383738.3/42
All: 6339.081+/-0.632 χ²/NDF: 2619530.5/80

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.161+/-0.052 χ^2/NDF:31.4/23

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.033+/-0.053 χ^2/NDF:27.9/21

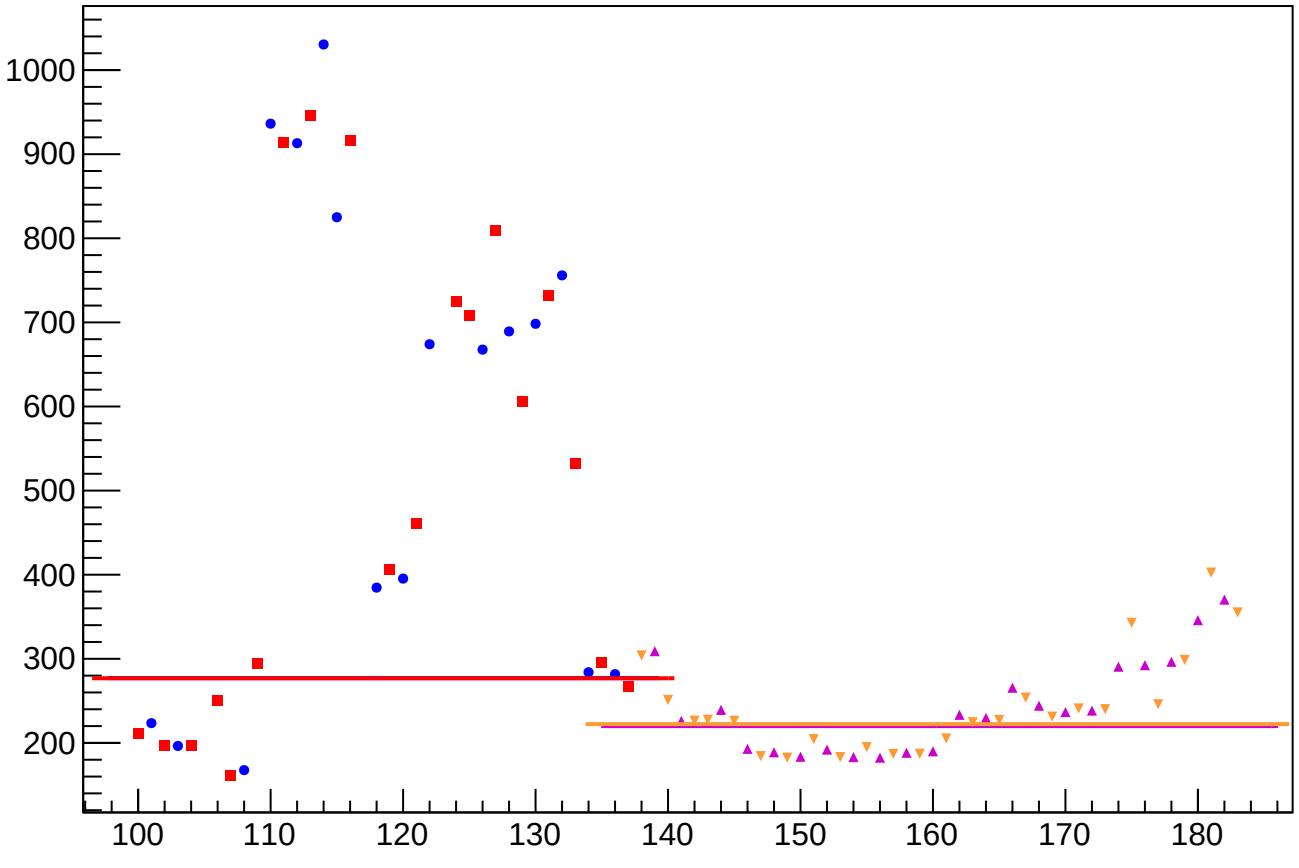
Left: 0.066+/-0.037 χ^2/NDF: 66.0/45

Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.001+/-0.049 χ^2/NDF:42.6/37

Out: 0.124+/-0.048 χ^2/NDF:57.0/42

All: 0.062+/-0.034 χ^2/NDF: 102.9/80



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 222.337+/-0.037 χ^2/NDF:1440560.0/23

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: 221.183+/-0.026 χ^2/NDF: 2854533.6/45

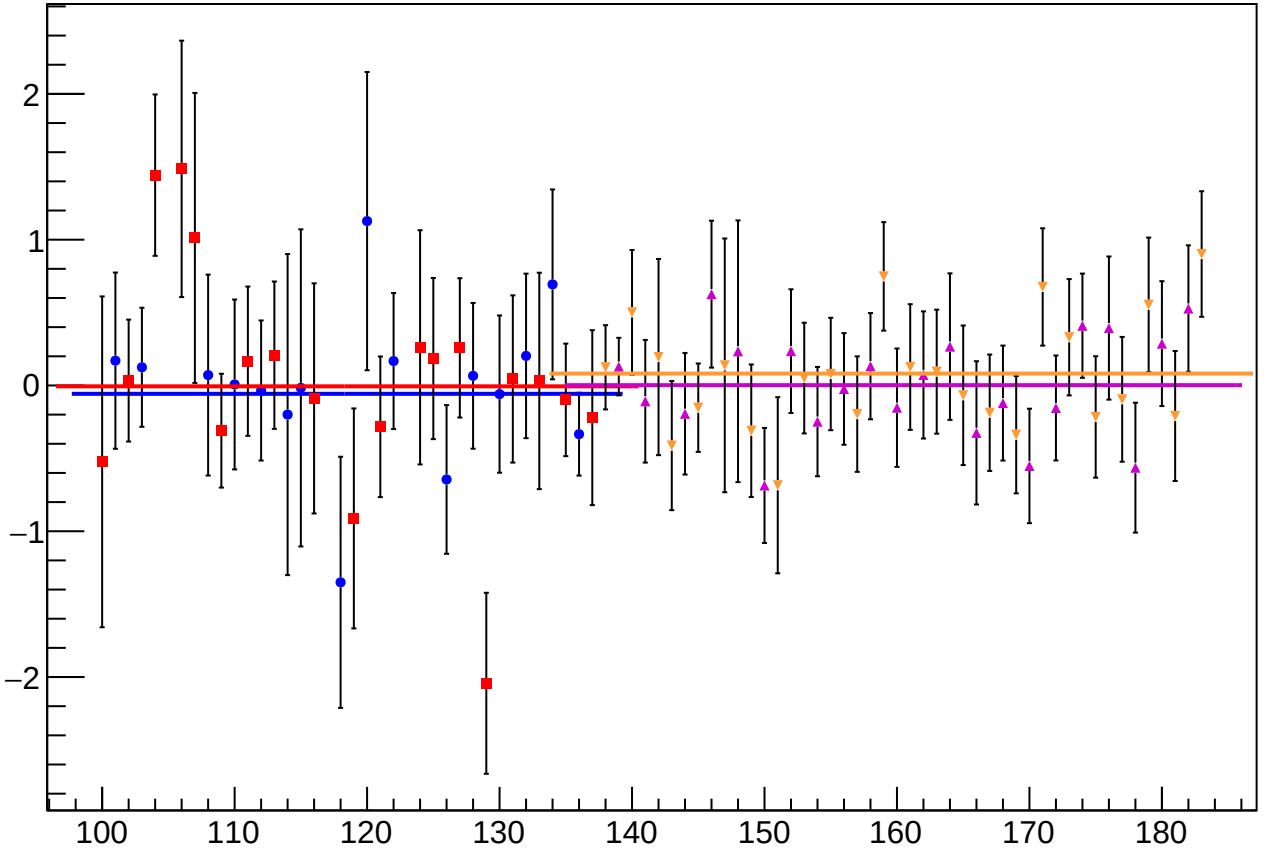
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 229.402+/-0.034 χ^2/NDF:5242336.1/37

Out: 231.045+/-0.034 χ^2/NDF:5360952.1/42

All: 230.236+/-0.024 χ^2/NDF: 10604450.1/80

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.082+/-0.085 χ^2/NDF:18.9/23

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: 0.041+/-0.060 χ^2/NDF: 34.2/45

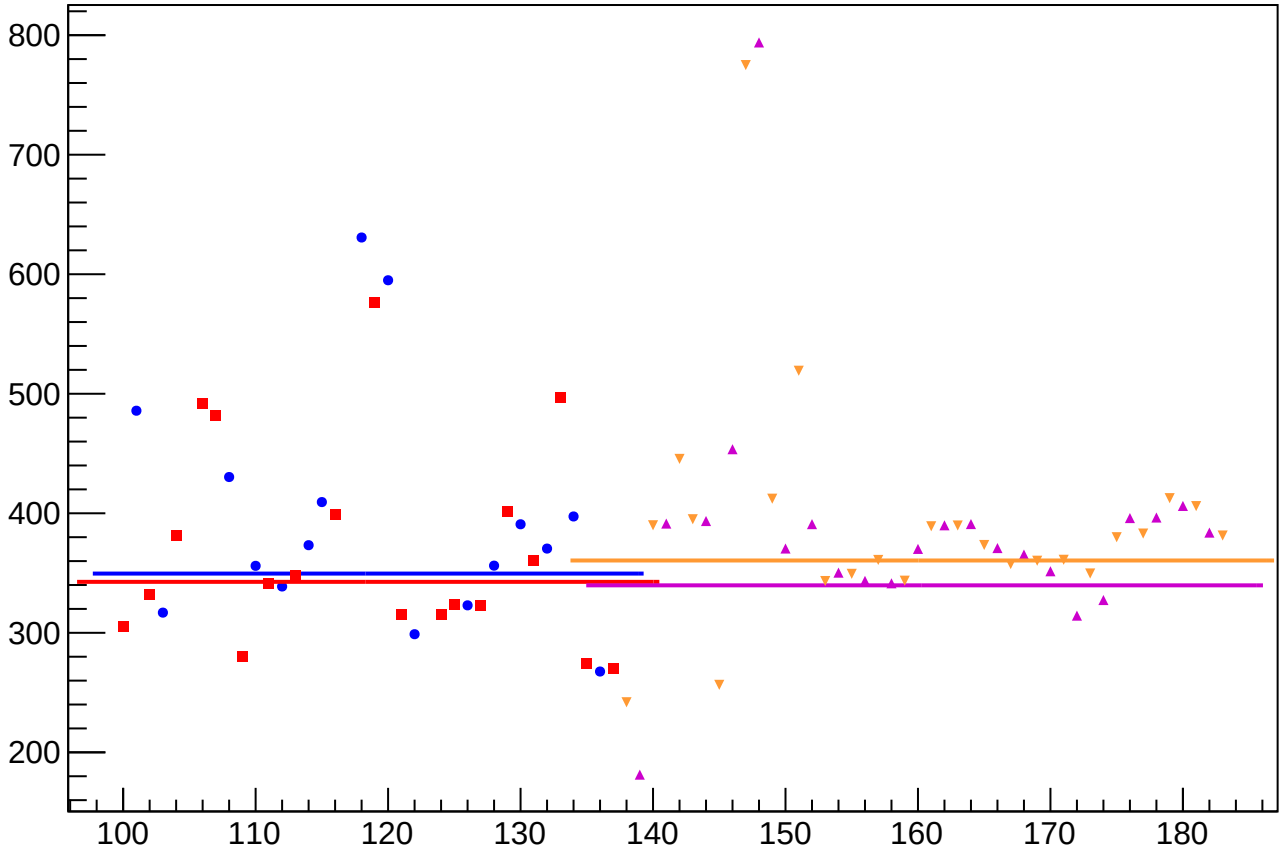
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.015+/-0.071 χ^2/NDF:23.1/37

Out: 0.055+/-0.071 χ^2/NDF:44.4/42

All: 0.020+/-0.050 χ^2/NDF: 68.0/80

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 360.512+/-0.060 χ^2/NDF:1335763.9/23

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 339.719+/-0.059 χ^2/NDF:2223447.2/21

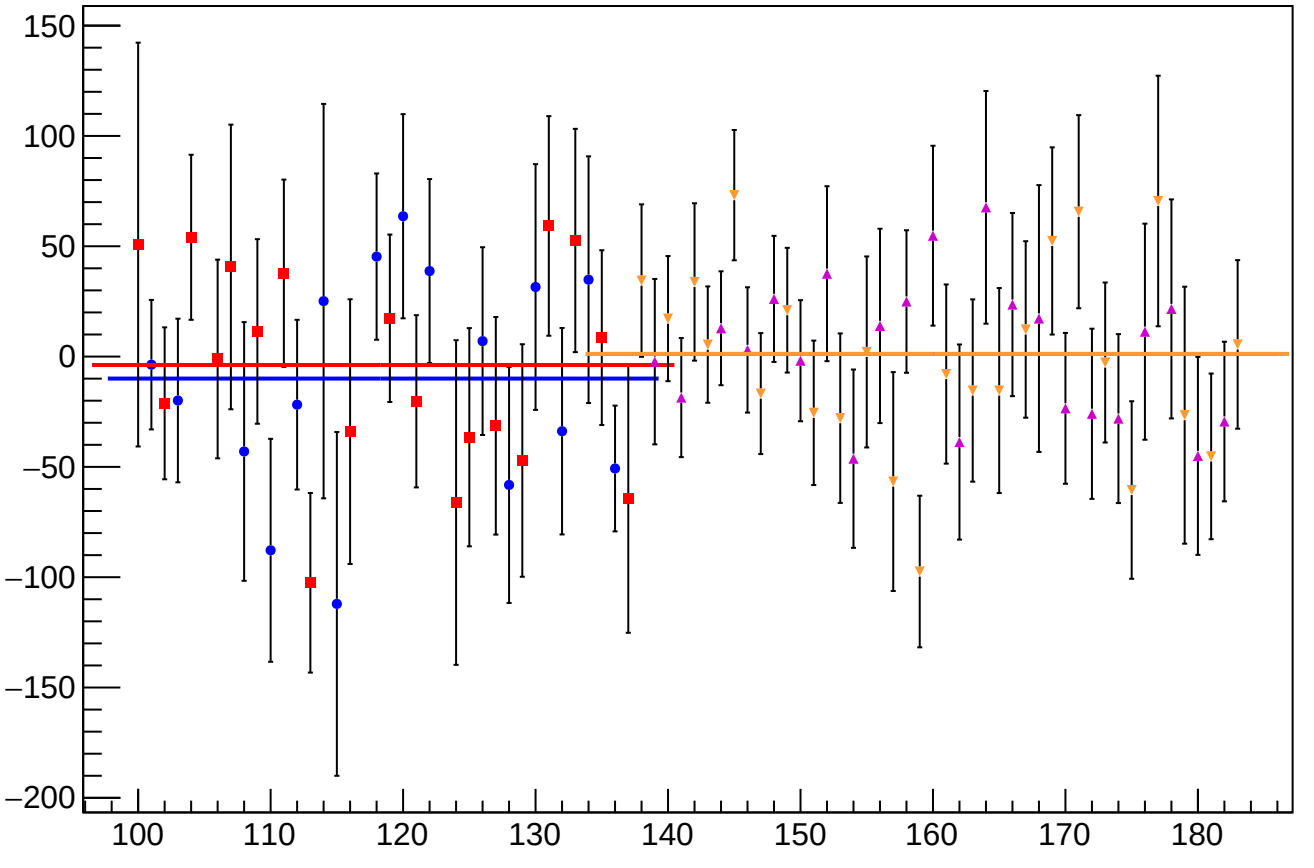
Left: 349.925+/-0.042 χ^2/NDF: 3620118.2/45

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 342.476+/-0.050 χ^2/NDF:2930539.0/37

Out: 355.096+/-0.050 χ^2/NDF:1938303.9/42

All: 348.772+/-0.035 χ^2/NDF: 4900522.7/80



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.200+/-7.419 χ^2/NDF:29.5/23

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 1.180+/-7.733 χ^2/NDF:12.5/21

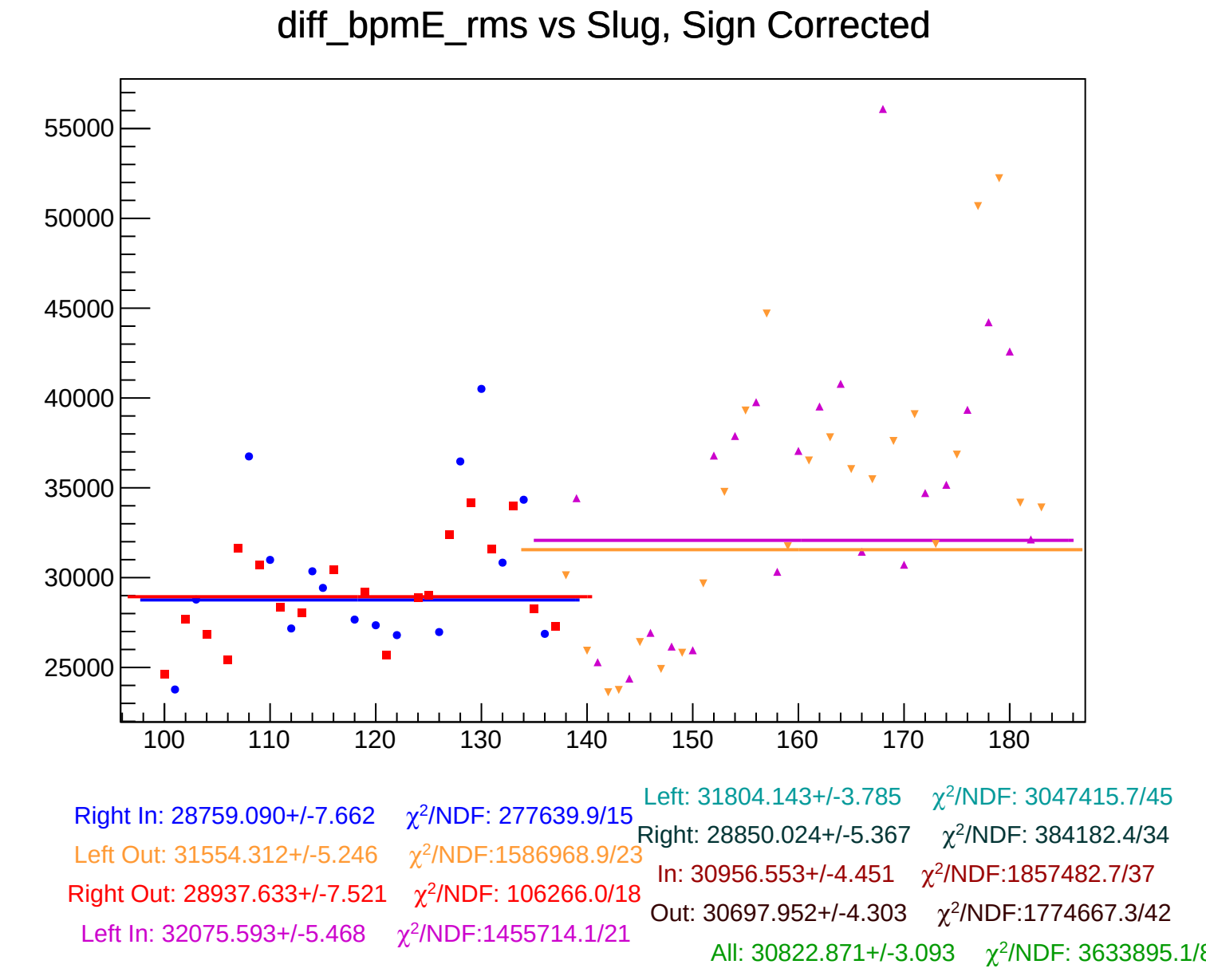
Left: 1.191+/-5.353 χ^2/NDF: 41.9/45

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

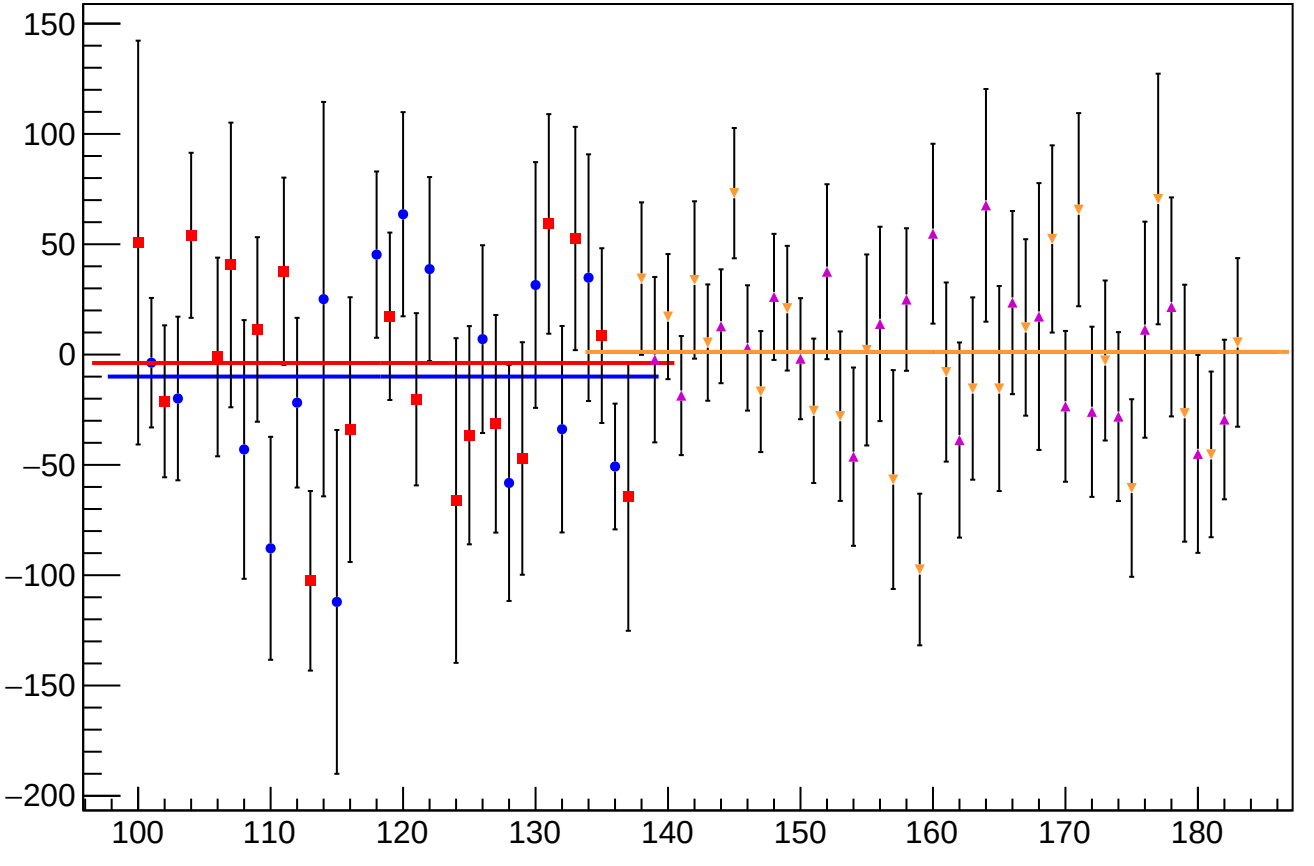
In: -2.582+/-6.295 χ^2/NDF:28.5/37

Out: -0.441+/-6.085 χ^2/NDF:46.9/42

All: -1.475+/-4.375 χ^2/NDF: 75.4/80


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: 31554.312+/-5.246 χ²/NDF:1586968.9/23
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32075.593+/-5.468 χ²/NDF:1455714.1/21
Left: 31804.143+/-3.785 χ²/NDF: 3047415.7/45
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30956.553+/-4.451 χ²/NDF:1857482.7/37
Out: 30697.952+/-4.303 χ²/NDF:1774667.3/42
All: 30822.871+/-3.093 χ²/NDF: 3633895.1/8

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.200+/-7.419 χ^2/NDF:29.5/23

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 1.180+/-7.733 χ^2/NDF:12.5/21

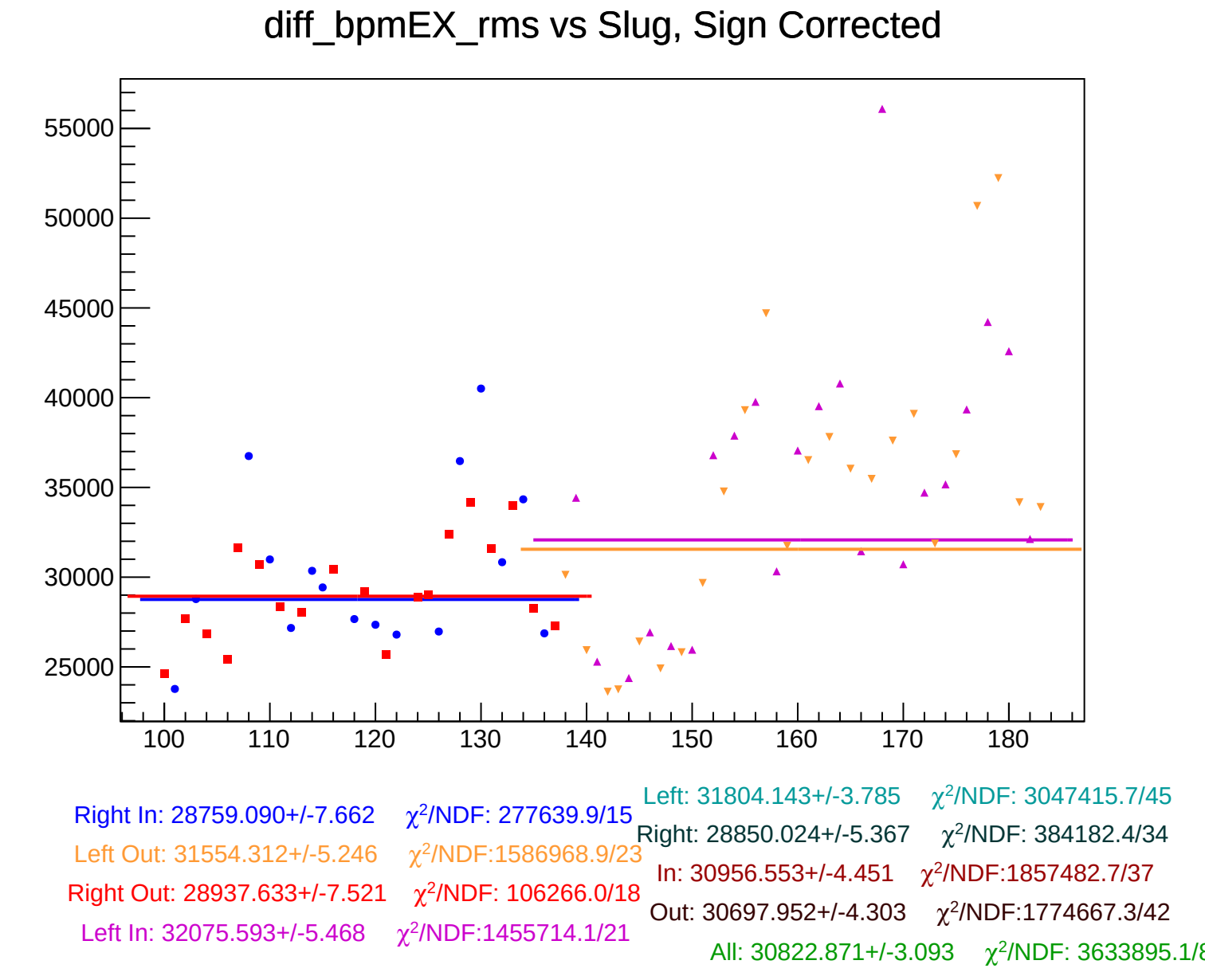
Left: 1.191+/-5.353 χ^2/NDF: 41.9/45

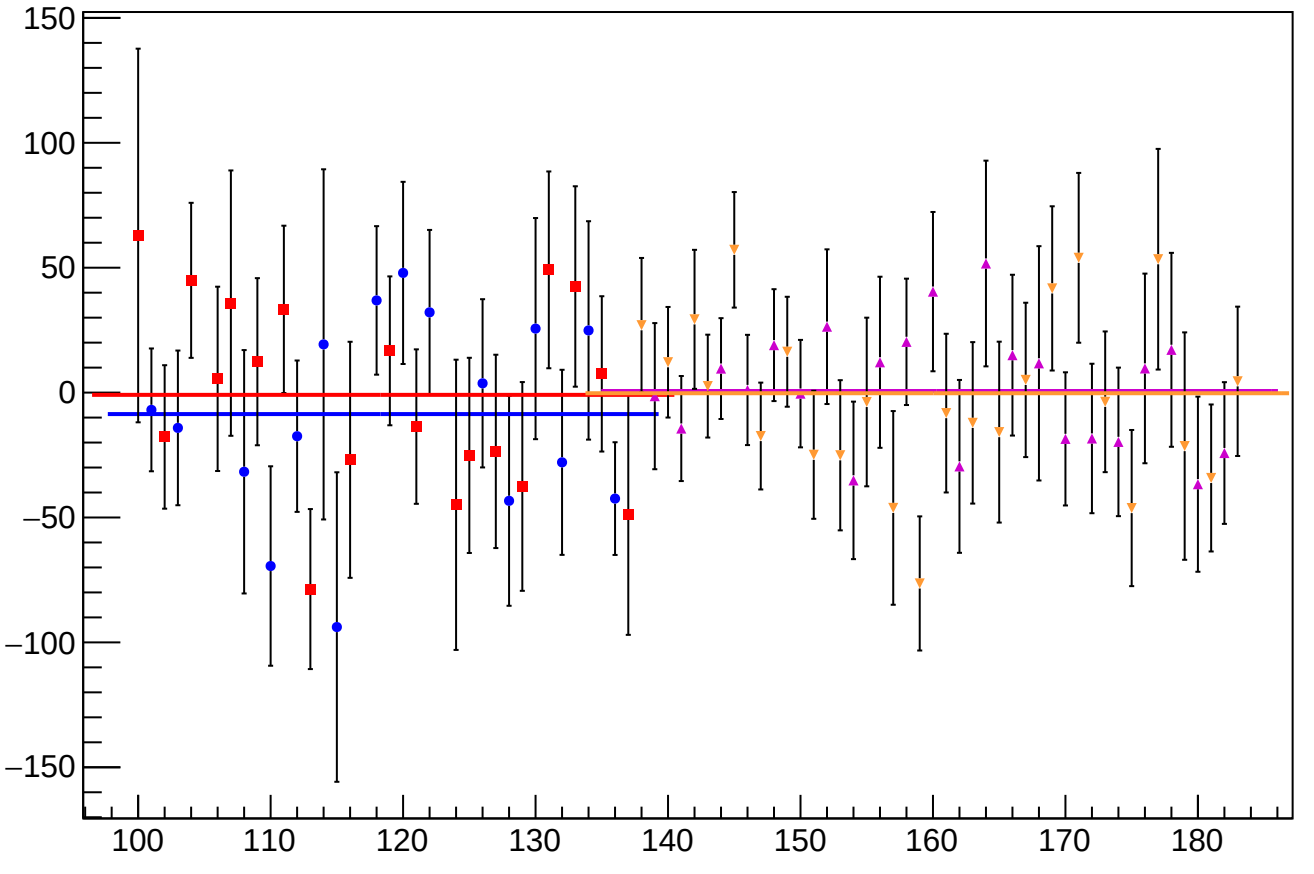
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -2.582+/-6.295 χ^2/NDF:28.5/37

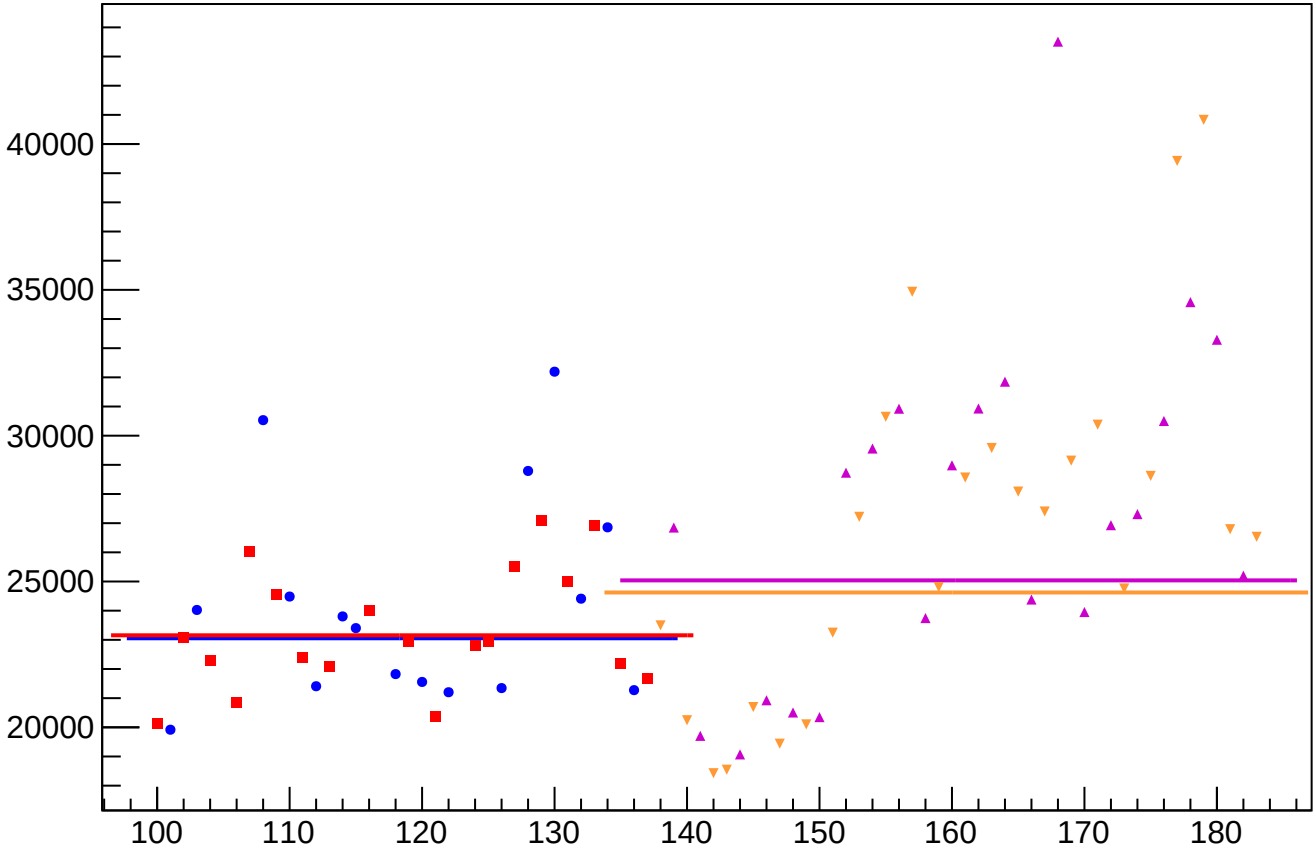
Out: -0.441+/-6.085 χ^2/NDF:46.9/42

All: -1.475+/-4.375 χ^2/NDF: 75.4/80


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: 31554.312+/-5.246 χ²/NDF:1586968.9/23
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32075.593+/-5.468 χ²/NDF:1455714.1/21
Left: 31804.143+/-3.785 χ²/NDF: 3047415.7/45
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30956.553+/-4.451 χ²/NDF:1857482.7/37
Out: 30697.952+/-4.303 χ²/NDF:1774667.3/42
All: 30822.871+/-3.093 χ²/NDF: 3633895.1/8


diff_bpmE_11X12X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
180
Right In: -8.599+/-8.678 χ²/NDF: 15.5/15
Left Out: -0.255+/-5.788 χ²/NDF:30.7/23
Right Out: -0.904+/-8.506 χ²/NDF: 17.6/18
Left In: 0.635+/-6.035 χ²/NDF:11.7/21
Left: 0.171+/-4.177 χ²/NDF: 42.5/45
Right: -4.674+/-6.075 χ²/NDF: 33.5/34
In: -2.375+/-4.955 χ²/NDF:28.0/37
Out: -0.461+/-4.785 χ²/NDF:48.3/42
All: -1.384+/-3.442 χ²/NDF: 76.4/80

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 24623.330+/-4.093 χ^2/NDF:1577824.7/23

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 25038.384+/-4.268 χ^2/NDF:1441598.6/21

Left: 24822.180+/-2.954 χ^2/NDF: 3024350.7/45

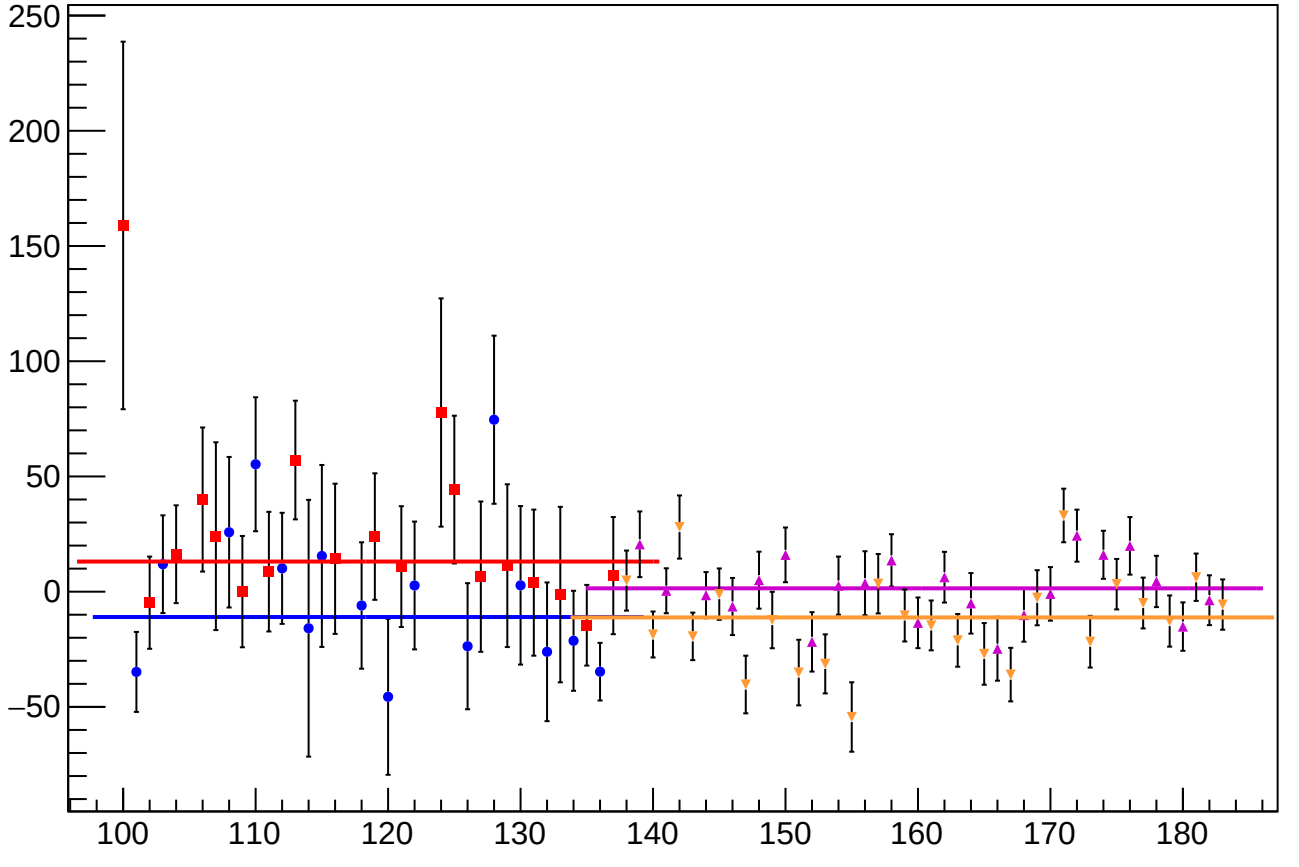
Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 24391.504+/-3.504 χ^2/NDF:1773531.8/37

Out: 24158.704+/-3.384 χ^2/NDF:1712441.9/42

All: 24271.049+/-2.434 χ^2/NDF: 3488258.1/8

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -11.179+/-2.389 χ^2/NDF:59.9/23

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 1.446+/-2.482 χ^2/NDF:26.2/21

Left: -5.106+/-1.721 χ^2/NDF: 99.5/45

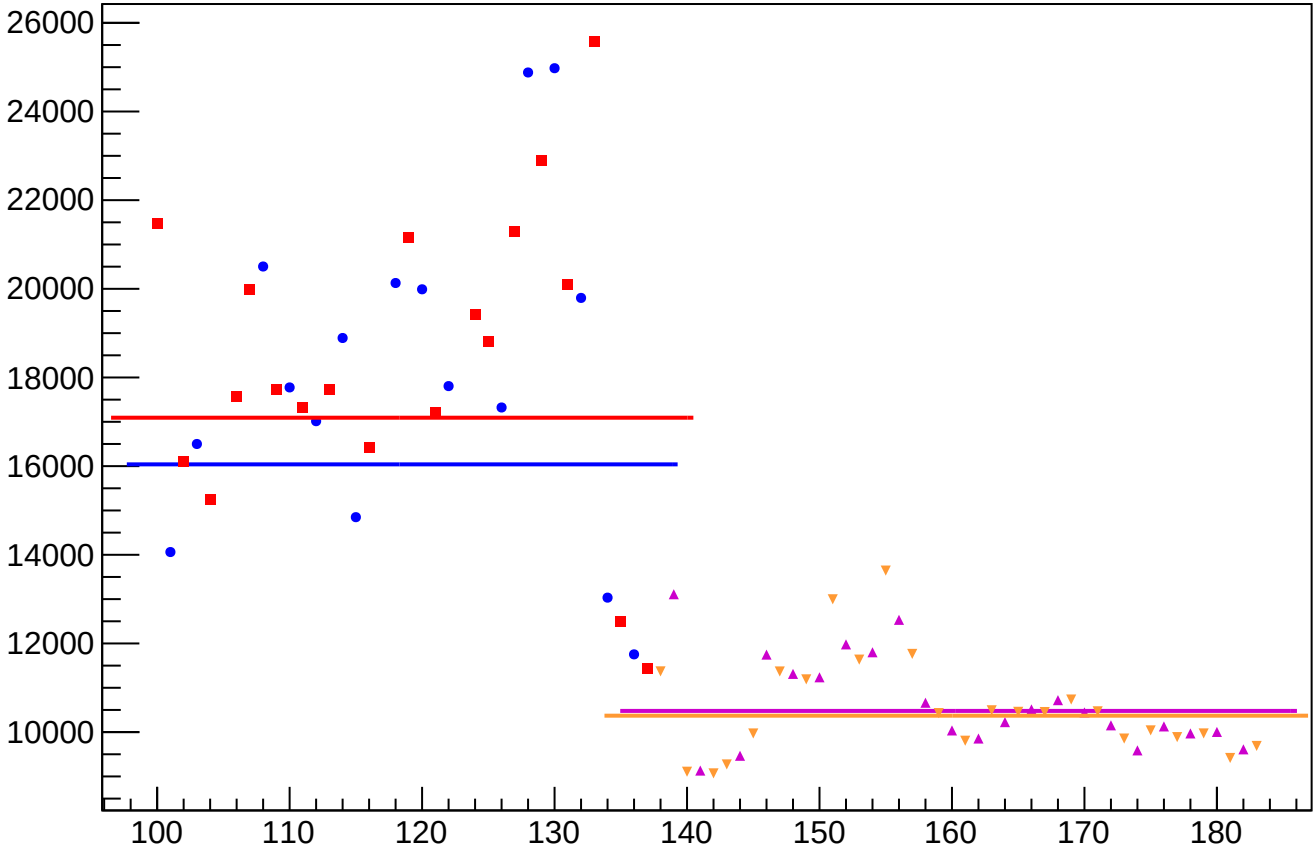
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -0.295+/-2.302 χ^2/NDF:51.8/37

Out: -8.198+/-2.238 χ^2/NDF:86.4/42

All: -4.358+/-1.604 χ^2/NDF: 144.2/80

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10370.616+/-1.689 χ^2/NDF:359744.4/23

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10478.229+/-1.755 χ^2/NDF:308618.4/21

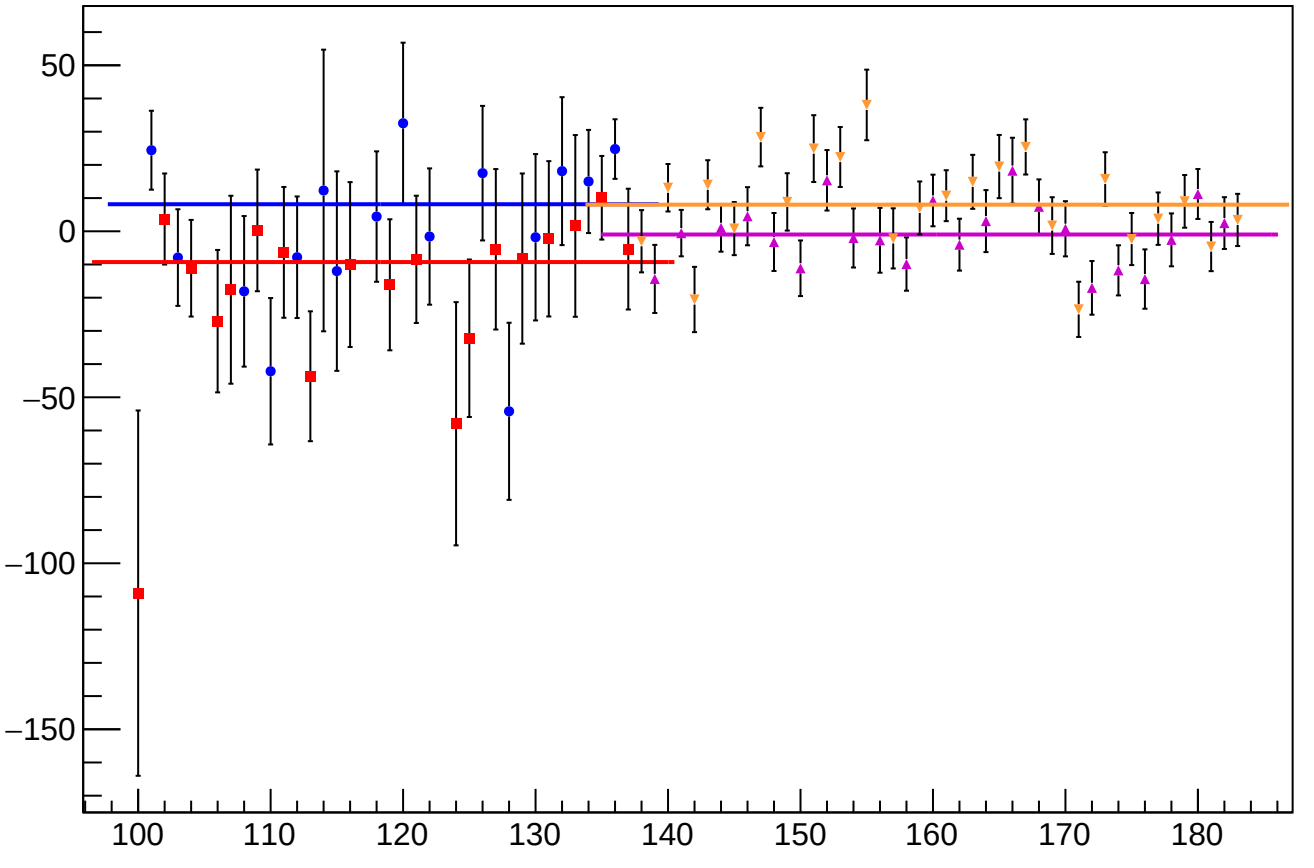
Left: 10422.380+/-1.217 χ^2/NDF: 670314.4/45

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 11256.031+/-1.628 χ^2/NDF:2436045.4/37

Out: 11196.972+/-1.582 χ^2/NDF:2841309.1/42

All: 11225.668+/-1.134 χ^2/NDF: 5278031.5/8



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 8.017+/-1.705 χ^2/NDF:59.5/23

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: 3.689+/-1.228 χ^2/NDF: 99.2/45

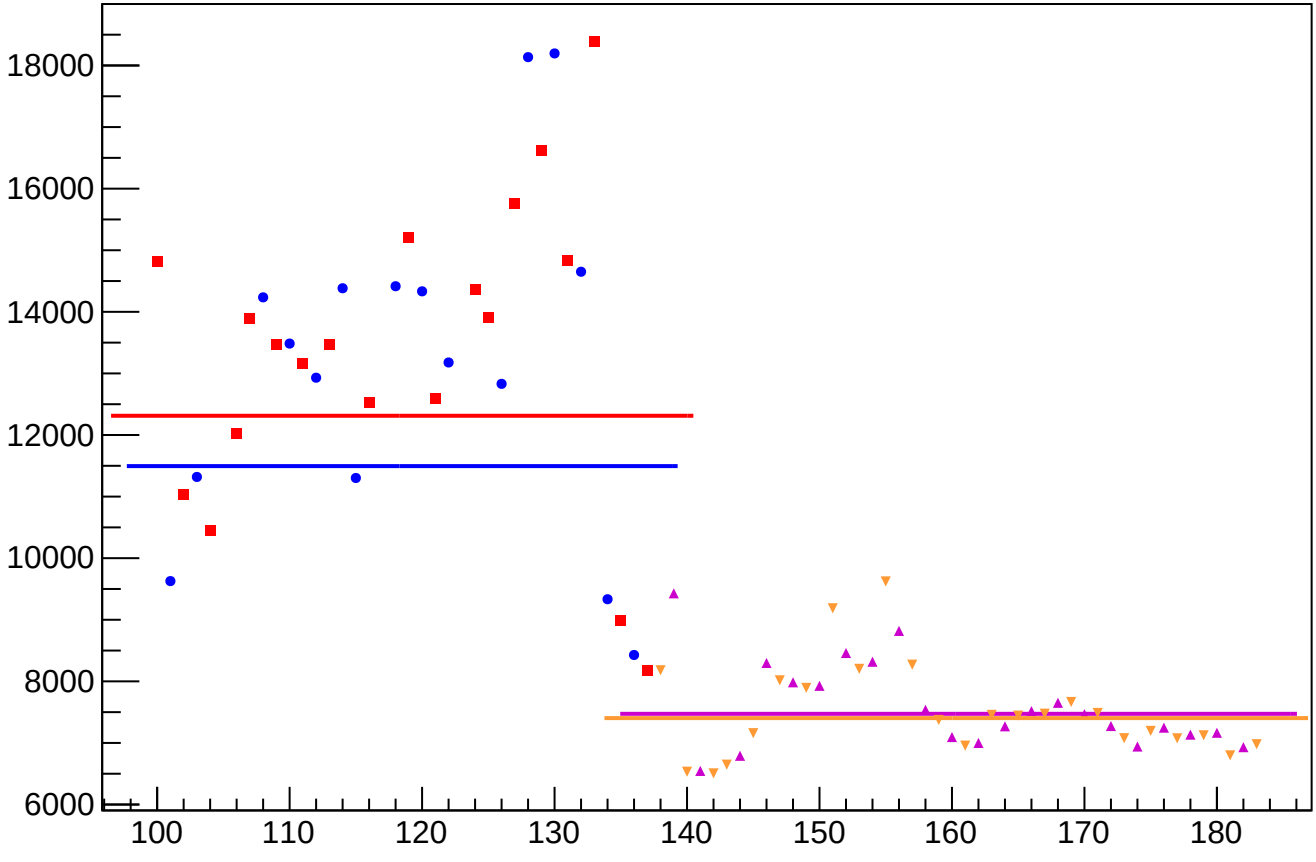
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 0.285+/-1.643 χ^2/NDF:51.7/37

Out: 5.935+/-1.599 χ^2/NDF:85.8/42

All: 3.187+/-1.146 χ^2/NDF: 143.5/80

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7403.288+/-1.205 χ^2/NDF:321878.5/23

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7472.948+/-1.251 χ^2/NDF:279203.4/21

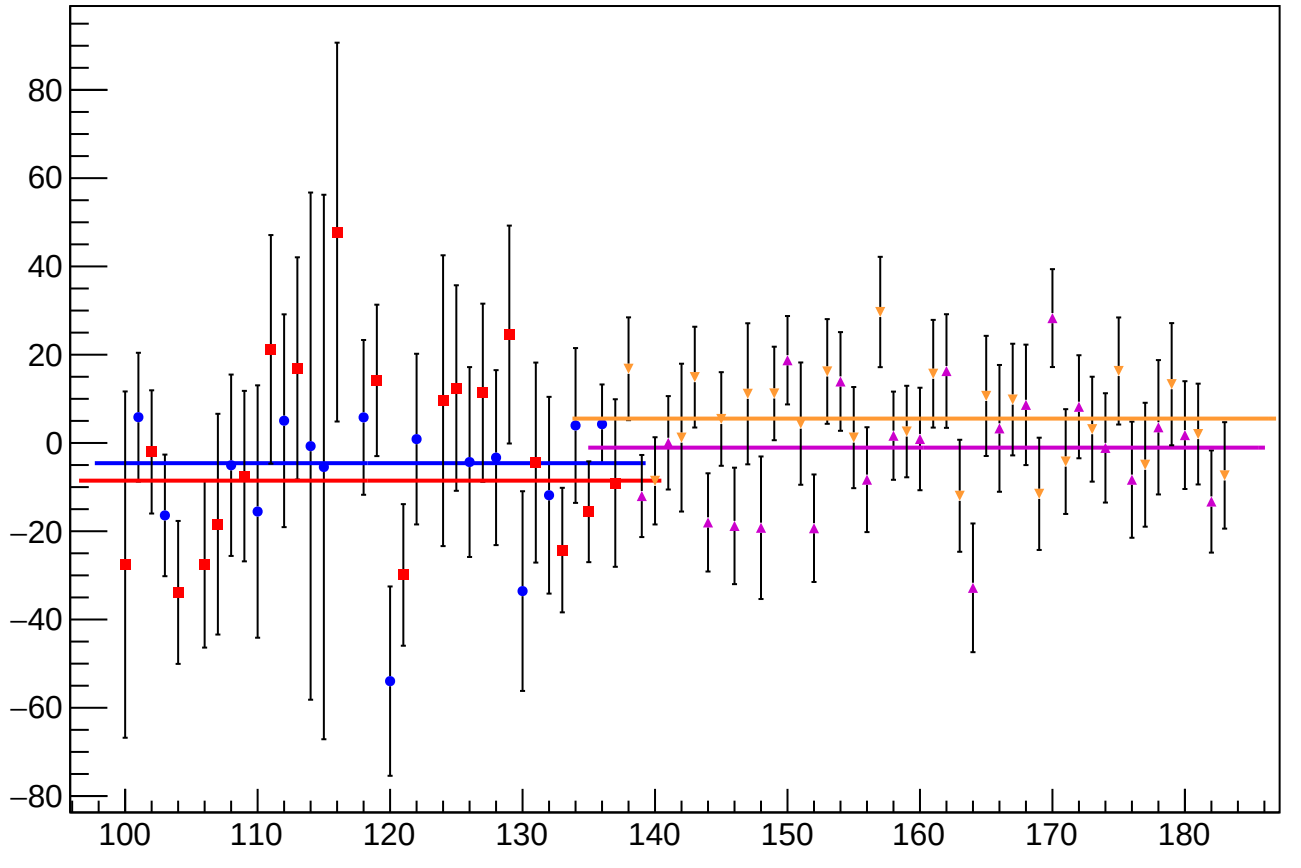
Left: 7436.825+/-0.868 χ^2/NDF: 602689.7/45

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8027.767+/-1.162 χ^2/NDF:2494975.5/37

Out: 7994.476+/-1.131 χ^2/NDF:2918035.0/42

All: 8010.671+/-0.810 χ^2/NDF: 5413432.3/80



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 5.524+/-2.479 χ^2/NDF:17.2/23

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: 2.318+/-1.775 χ^2/NDF: 52.2/45

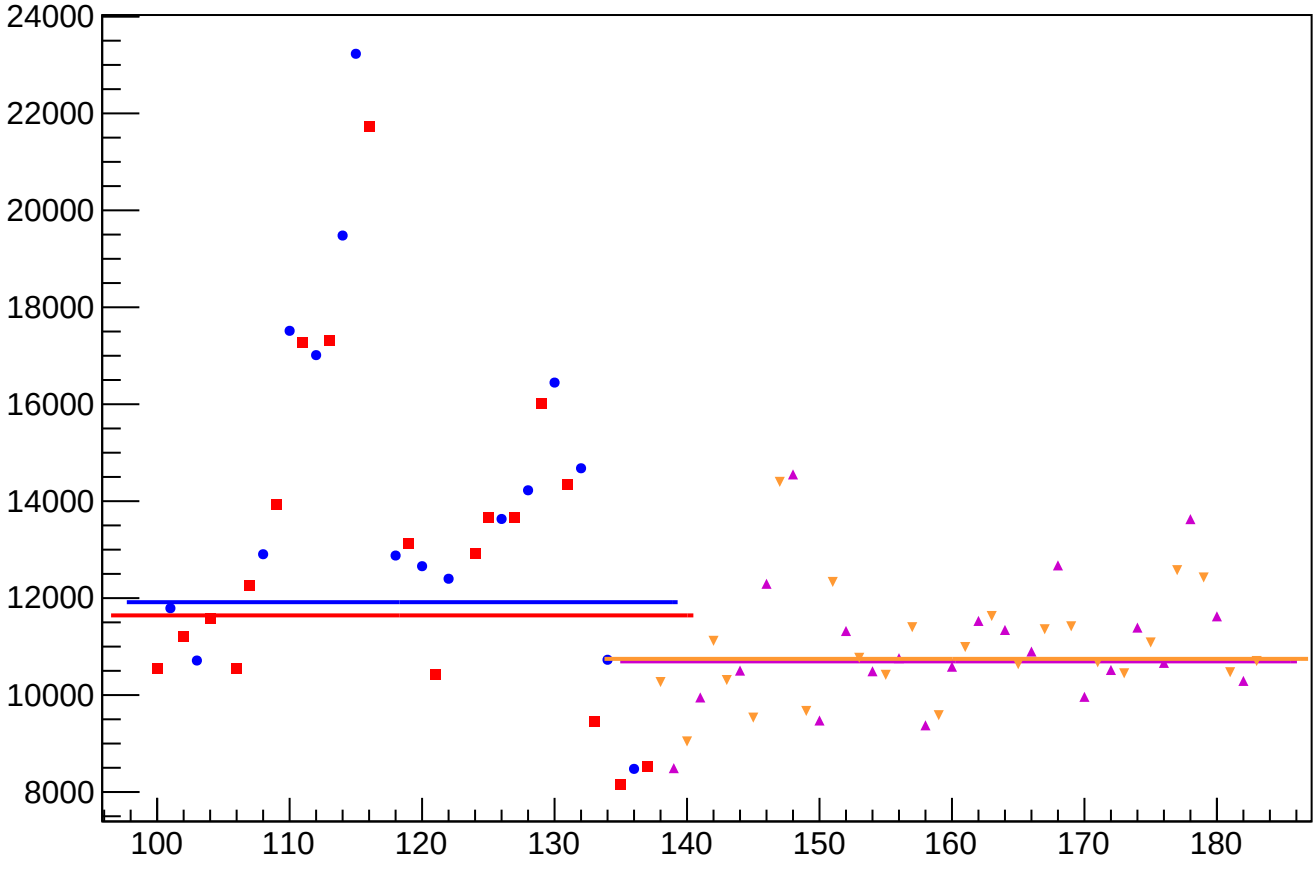
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -1.895+/-2.221 χ^2/NDF:42.3/37

Out: 2.128+/-2.159 χ^2/NDF:42.1/42

All: 0.173+/-1.548 χ^2/NDF: 86.1/80

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10746.952+/-1.753 χ^2/NDF:364708.5/23

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10694.901+/-1.799 χ^2/NDF:495622.5/21

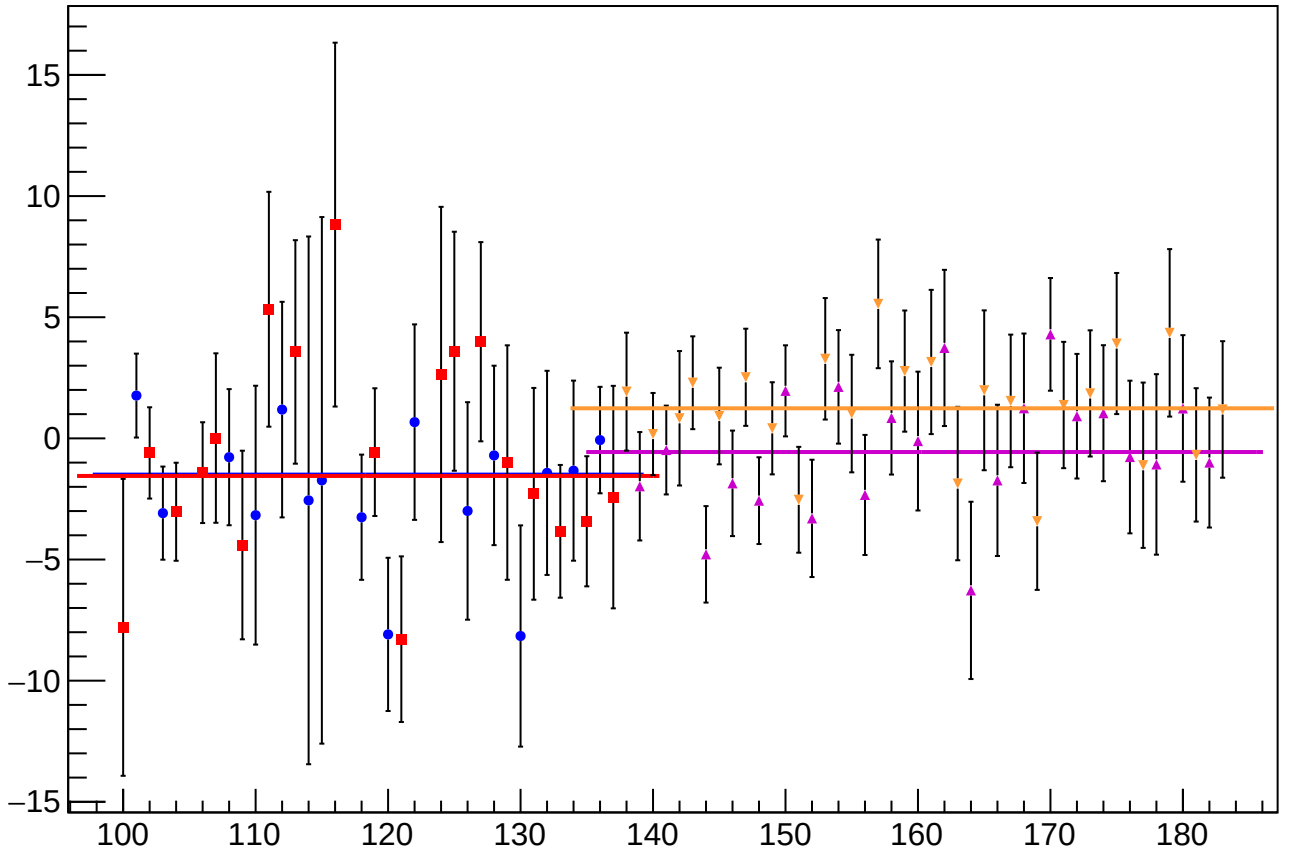
Left: 10721.600+/-1.255 χ^2/NDF: 860760.6/45

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10985.349+/-1.570 χ^2/NDF:1355061.5/37

Out: 10963.532+/-1.526 χ^2/NDF:1218286.9/42

All: 10974.132+/-1.095 χ^2/NDF: 2573447.6/8



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.242+/-0.504 χ^2/NDF:14.9/23

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -0.563+/-0.524 χ^2/NDF:21.9/21

Left: 0.375+/-0.363 χ^2/NDF: 43.0/45

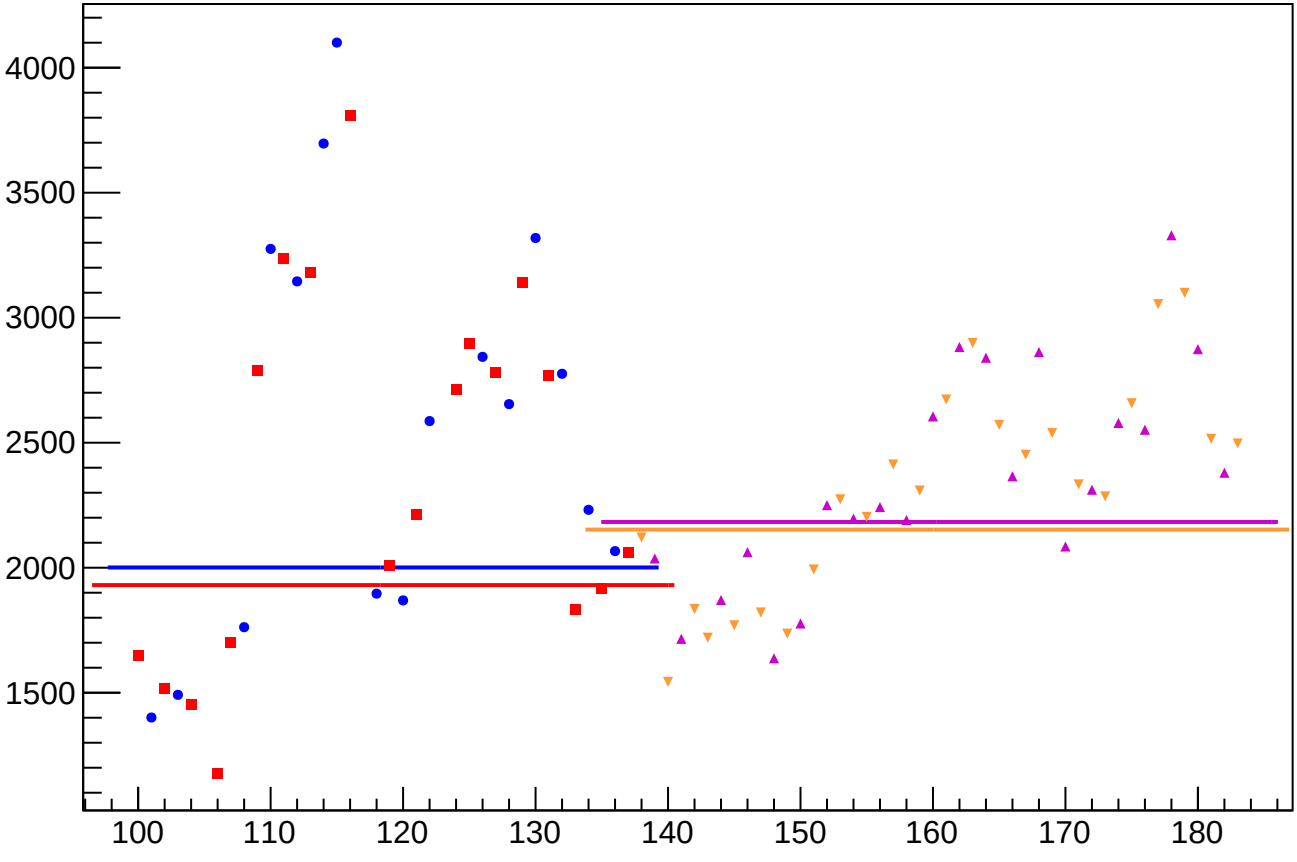
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -0.854+/-0.435 χ^2/NDF:35.5/37

Out: 0.365+/-0.417 χ^2/NDF:40.8/42

All: -0.220+/-0.301 χ^2/NDF: 80.4/80

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2152.467+/-0.356 χ^2/NDF:1349266.5/23

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: 2167.141+/-0.257 χ^2/NDF: 2514972.1/45

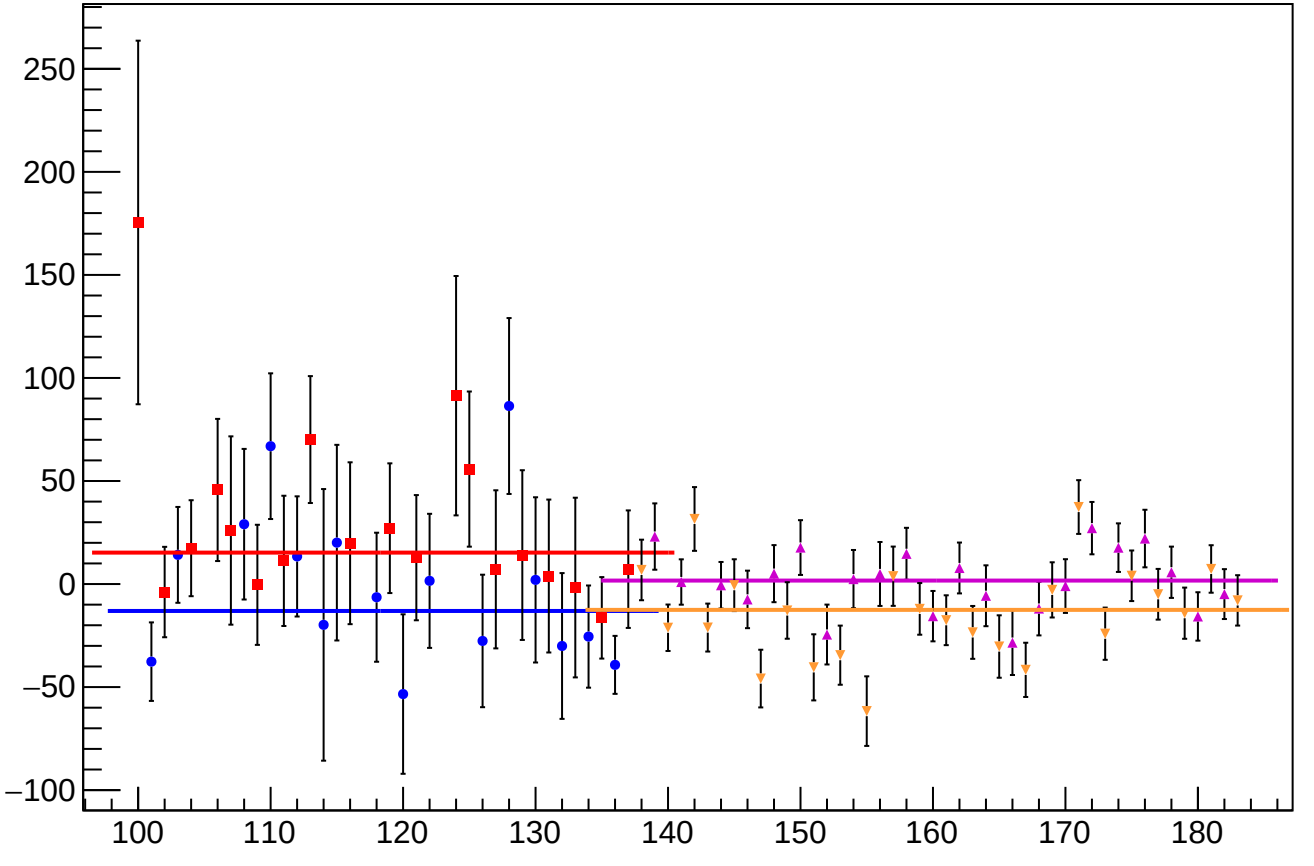
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 2126.217+/-0.307 χ^2/NDF:2427221.0/37

Out: 2082.726+/-0.295 χ^2/NDF:2874821.2/42

All: 2103.579+/-0.213 χ^2/NDF: 5312460.1/80

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -12.538+/-2.683 χ^2/NDF:61.2/23

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 1.685+/-2.785 χ^2/NDF:26.0/21

Left: -5.694+/-1.932 χ^2/NDF: 100.7/45

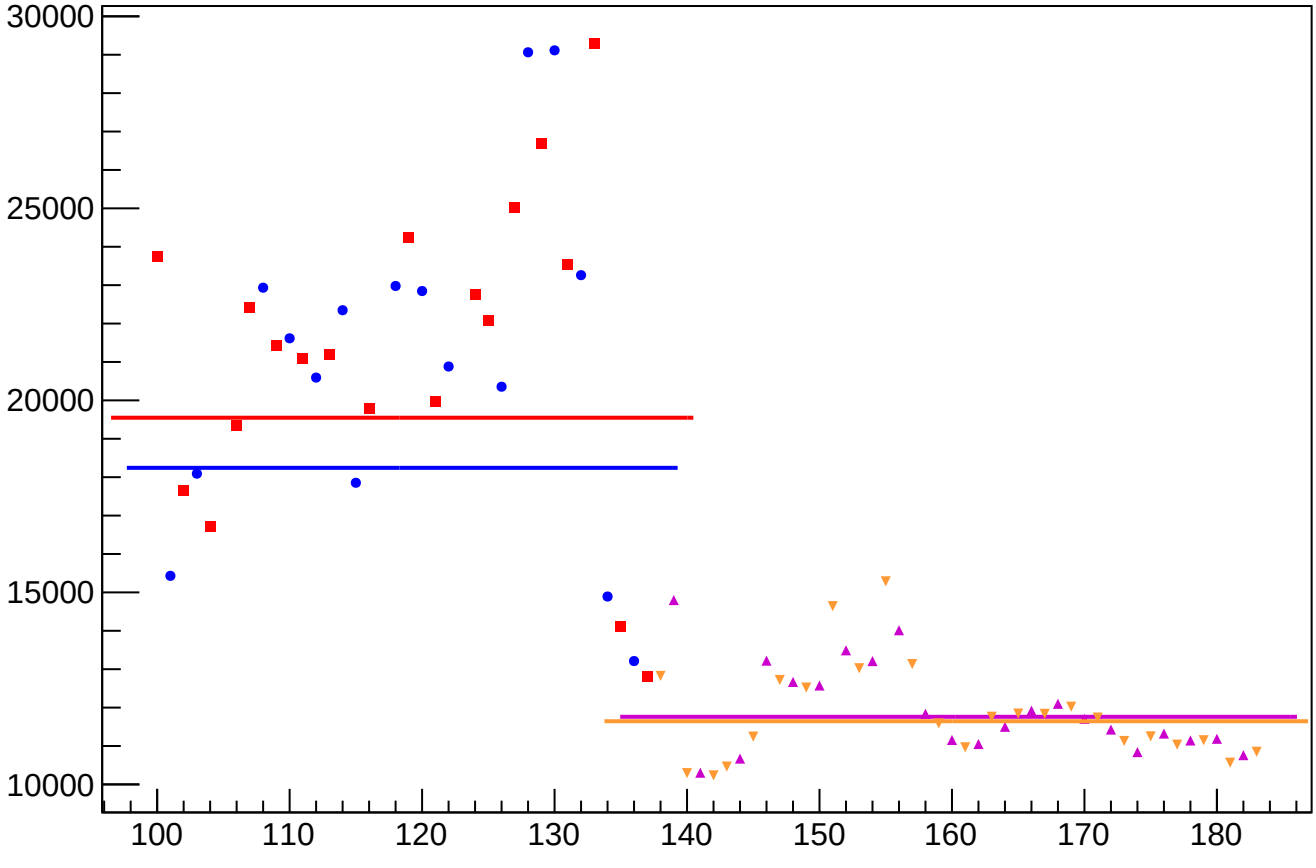
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -0.319+/-2.589 χ^2/NDF:51.6/37

Out: -9.248+/-2.519 χ^2/NDF:88.3/42

All: -4.907+/-1.805 χ^2/NDF: 146.0/80

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11644.982+/-1.897 χ^2/NDF:352213.2/23

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: 11700.577+/-1.366 χ^2/NDF: 661193.7/45

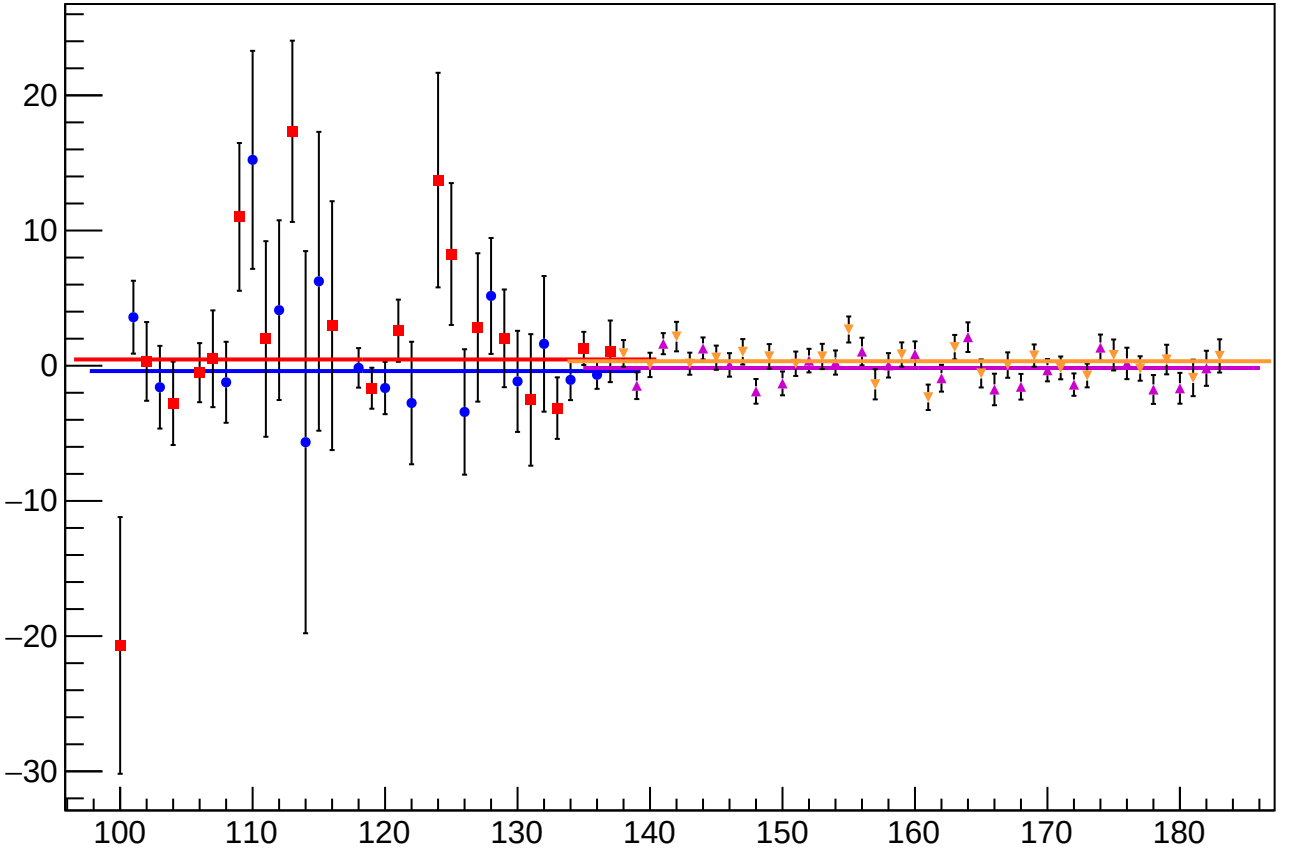
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 12640.956+/-1.831 χ^2/NDF:2598331.7/37

Out: 12580.588+/-1.781 χ^2/NDF:3029072.3/42

All: 12609.937+/-1.277 χ^2/NDF: 5627962.5/8

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.334+/-0.195 χ^2/NDF:26.6/23

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: 0.092+/-0.140 χ^2/NDF: 66.1/45

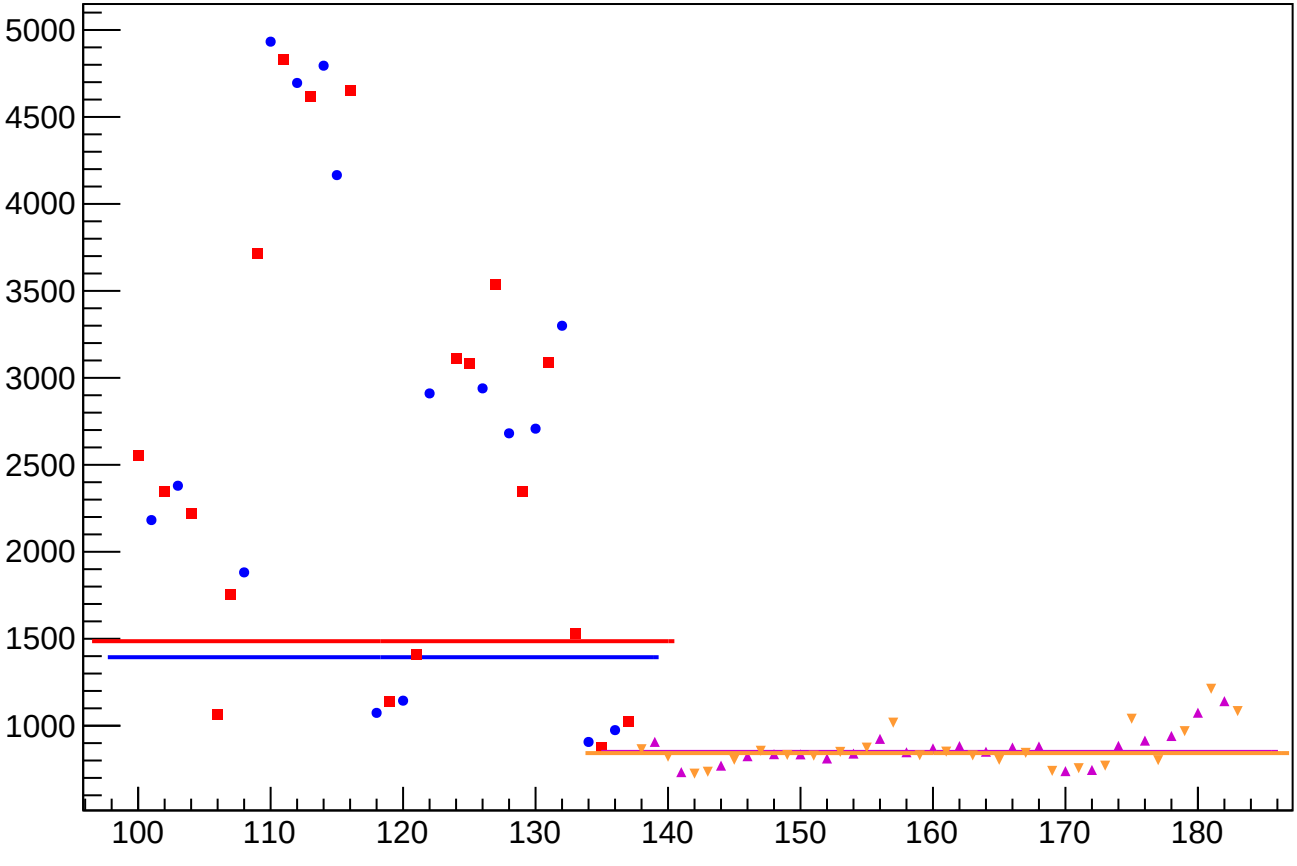
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.190+/-0.191 χ^2/NDF:46.9/37

Out: 0.345+/-0.186 χ^2/NDF:54.7/42

All: 0.085+/-0.134 χ^2/NDF: 105.6/80

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 842.632+/-0.138 χ^2/NDF:503366.3/23

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: 845.970+/-0.099 χ^2/NDF: 868419.6/45

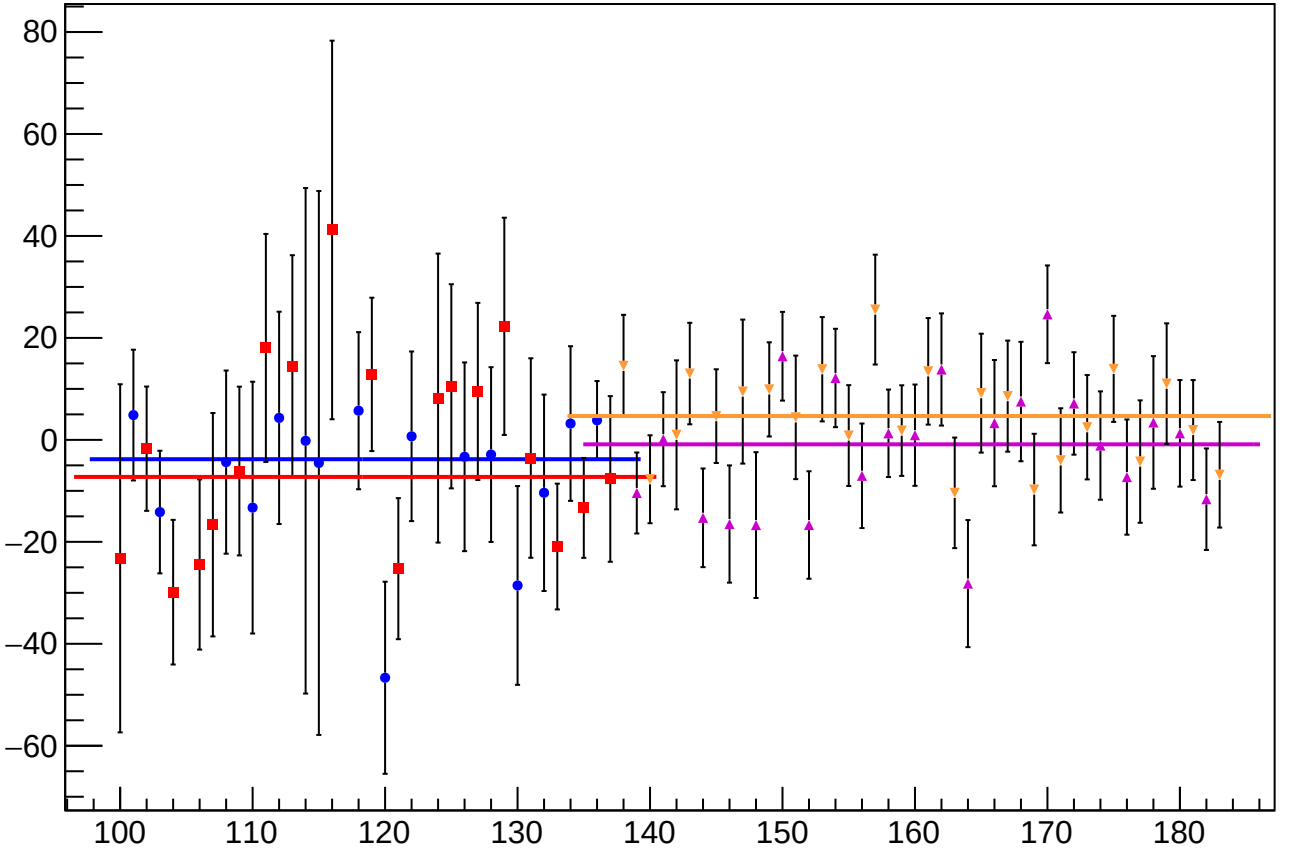
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 904.950+/-0.135 χ^2/NDF:5222915.1/37

Out: 898.222+/-0.132 χ^2/NDF:5784334.2/42

All: 901.495+/-0.094 χ^2/NDF: 11008517.8/80

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 4.676+/-2.139 χ^2/NDF:17.4/23

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: 1.970+/-1.531 χ^2/NDF: 52.5/45

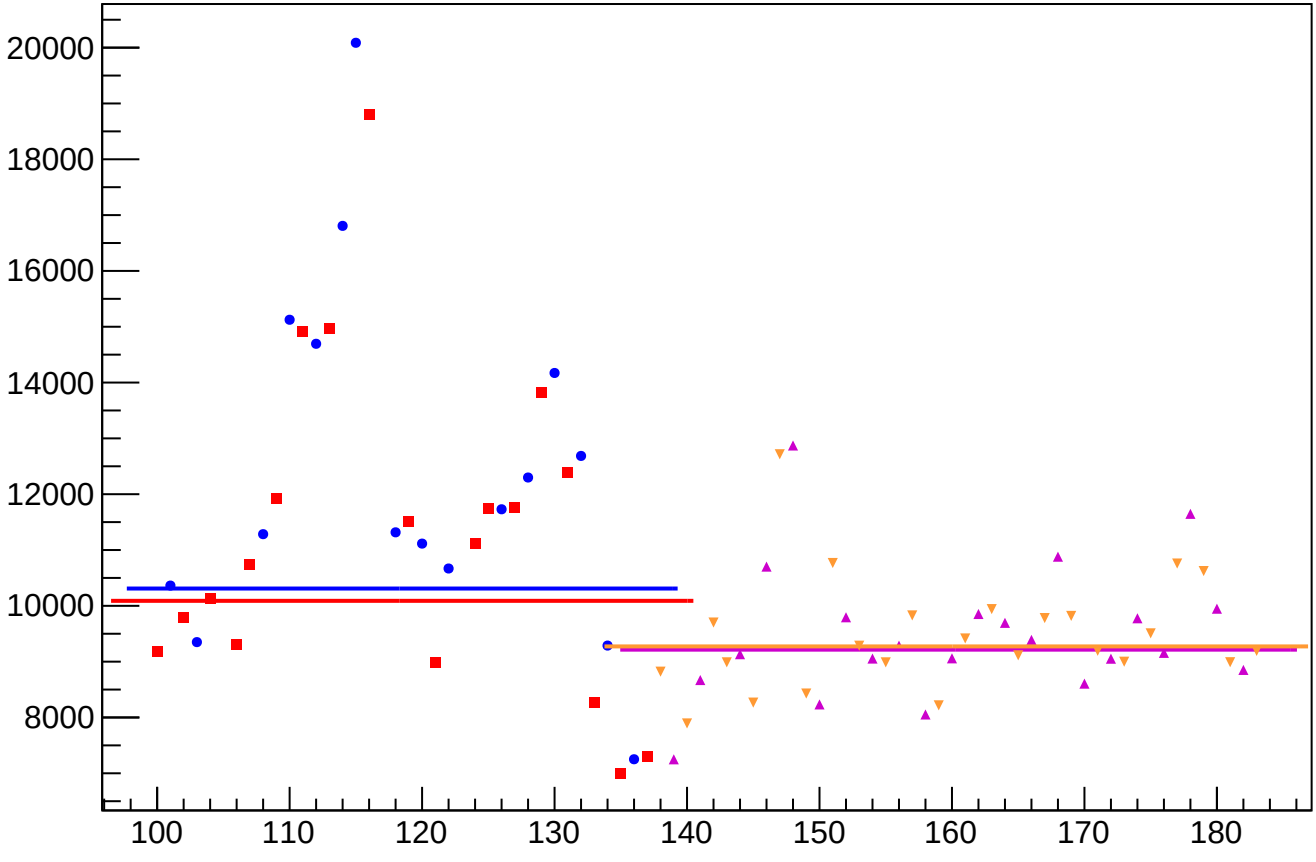
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -1.563+/-1.916 χ^2/NDF:42.3/37

Out: 1.812+/-1.865 χ^2/NDF:42.1/42

All: 0.170+/-1.336 χ^2/NDF: 86.0/80

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9273.029+/-1.512 χ^2/NDF:362453.7/23

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9215.055+/-1.550 χ^2/NDF:510416.8/21

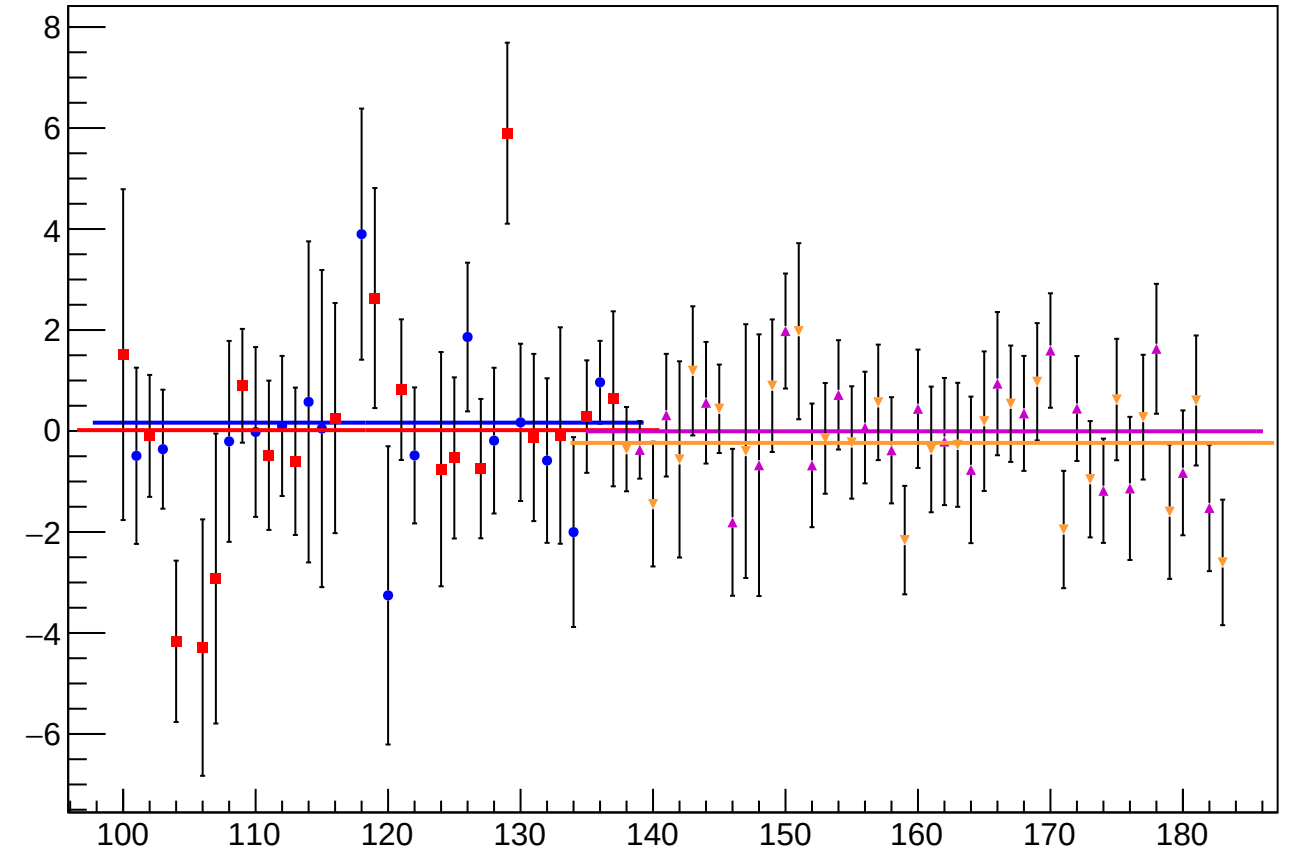
Left: 9244.759+/-1.083 χ^2/NDF: 873587.1/45

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9473.597+/-1.355 χ^2/NDF:1398732.2/37

Out: 9468.924+/-1.319 χ^2/NDF:1225180.0/42

All: 9471.197+/-0.945 χ^2/NDF: 2623918.4/80



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.235+/-0.245 χ^2/NDF:18.9/23

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: -0.119+/-0.172 χ^2/NDF: 34.2/45

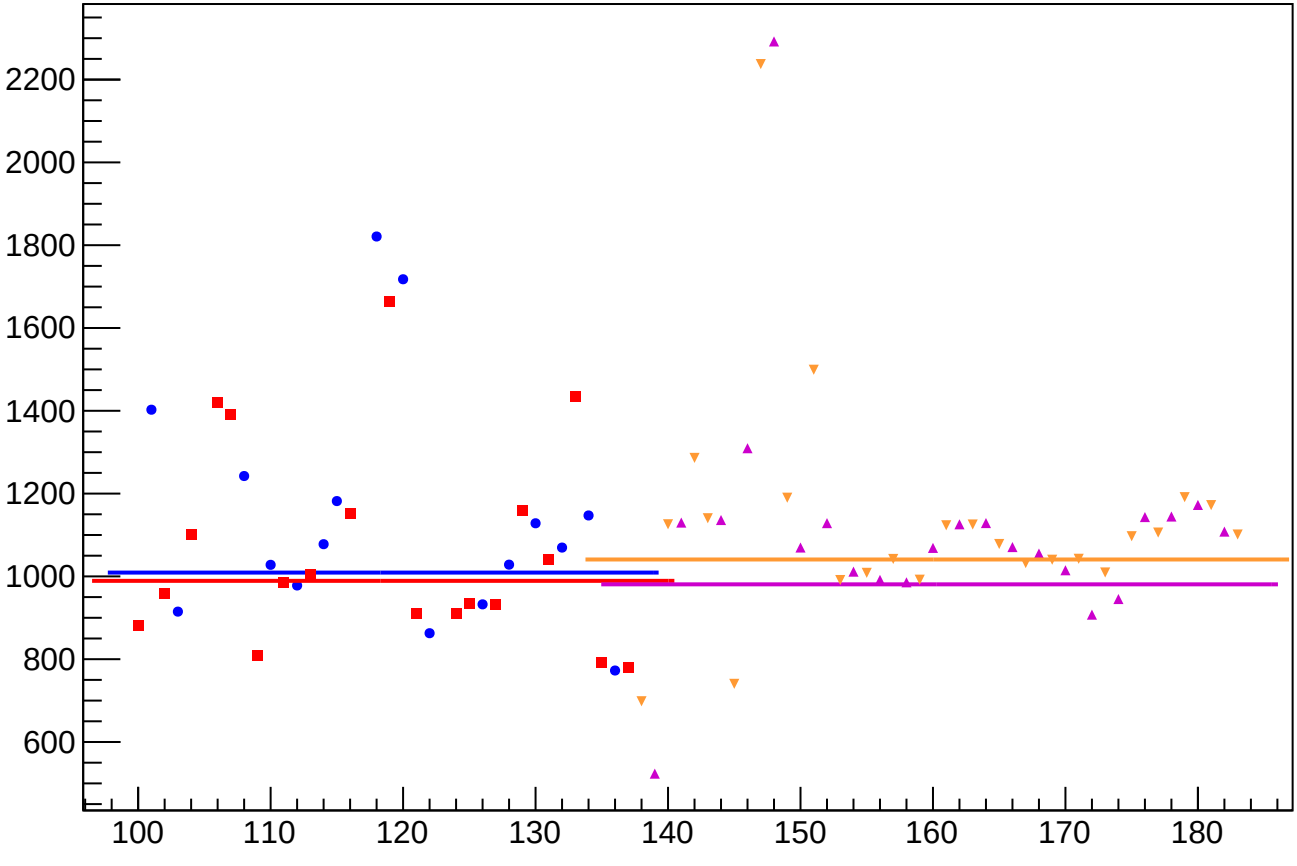
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.042+/-0.204 χ^2/NDF:23.1/37

Out: -0.159+/-0.205 χ^2/NDF:44.4/42

All: -0.058+/-0.145 χ^2/NDF: 68.0/80

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1040.841+/-0.174 χ^2/NDF:1335763.9/23

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: 1010.274+/-0.122 χ^2/NDF: 3620118.2/45

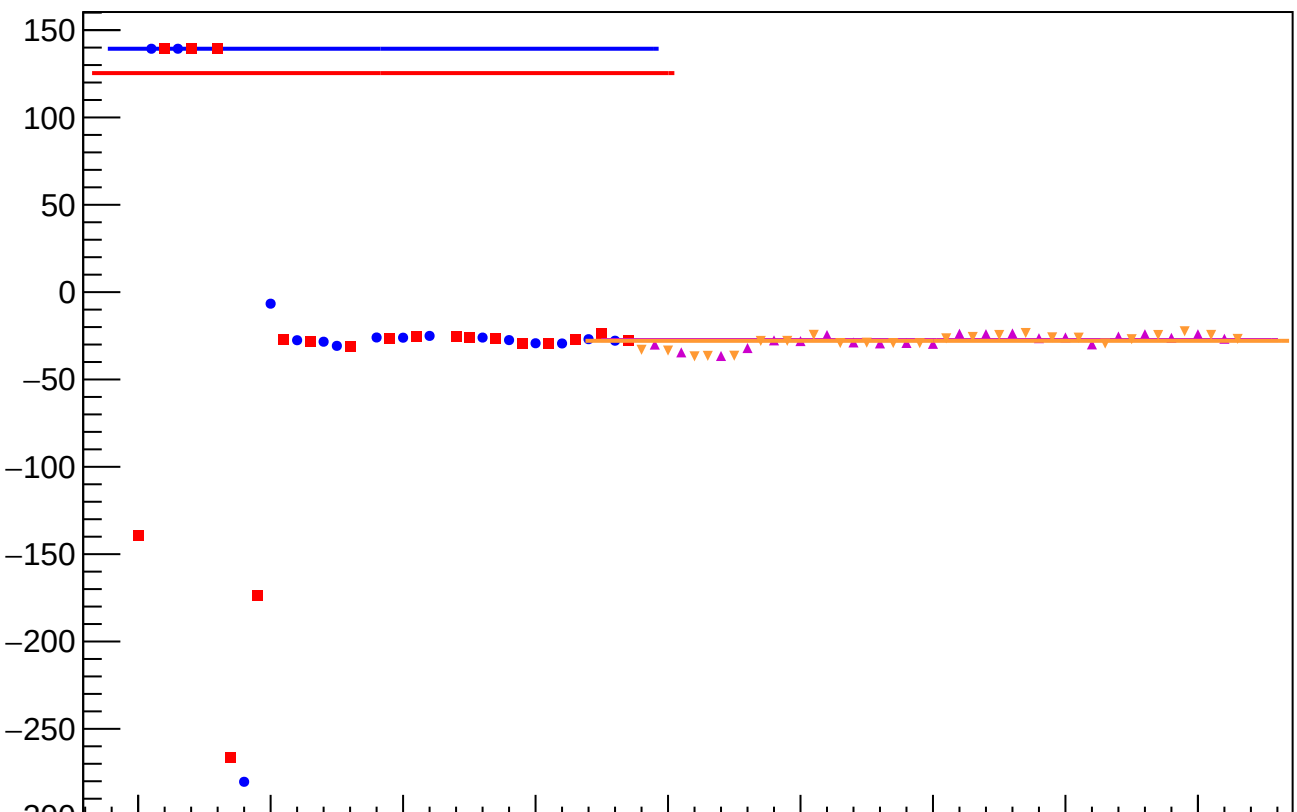
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 988.769+/-0.145 χ^2/NDF:2930539.0/37

Out: 1025.204+/-0.145 χ^2/NDF:1938303.9/42

All: 1006.947+/-0.102 χ^2/NDF: 4900522.7/80

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -27.862+/-0.000 χ^2/NDF:181576084.6/23

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: -27.657+/-0.000 χ^2/NDF: 305551494.4/45

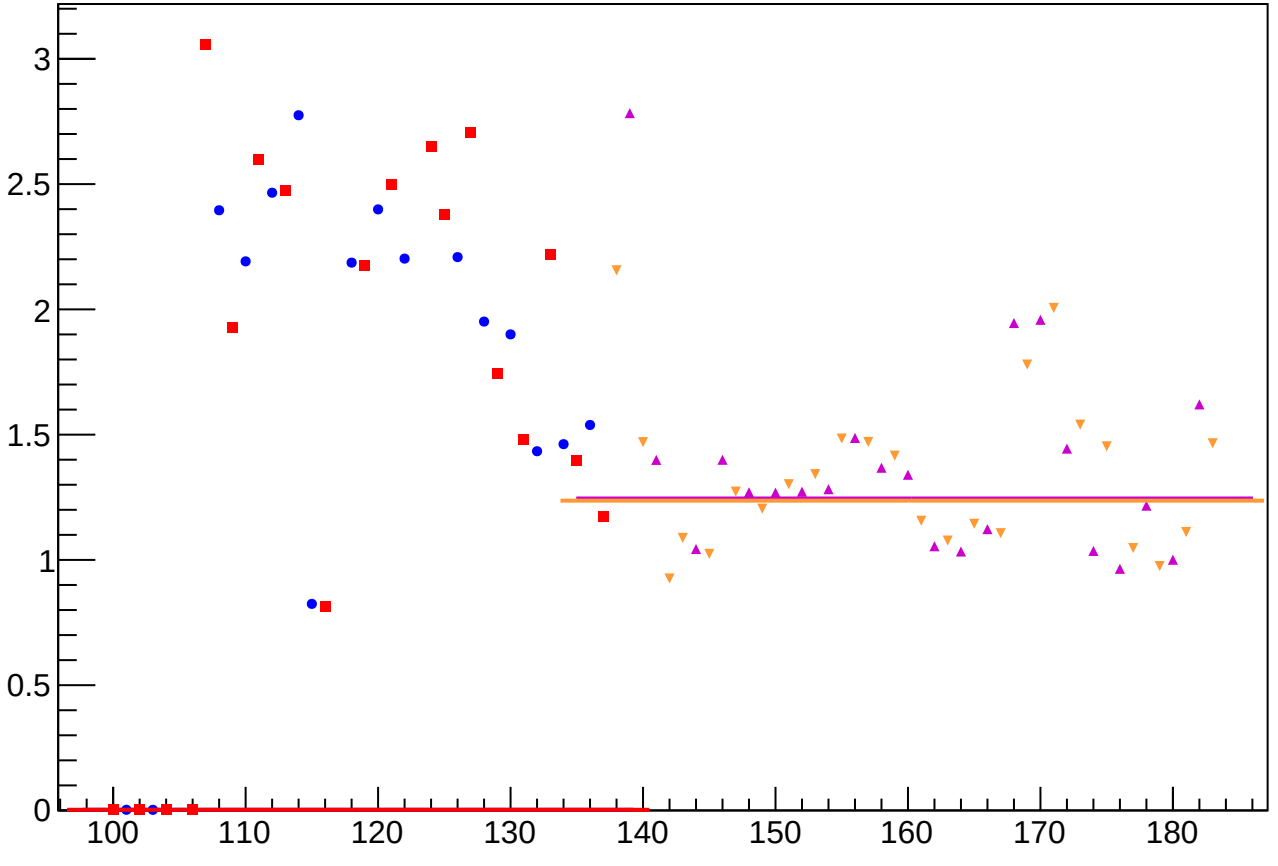
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.328+/-0.000 χ^2/NDF:298581858745.1/37

Out: 125.385+/-0.000 χ^2/NDF:774402323939919.

All: 131.810+/-0.000 χ^2/NDF: 793483153417

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.237+/-0.000 χ^2/NDF:1172476.1/23

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.245+/-0.000 χ^2/NDF:1429006.0/21

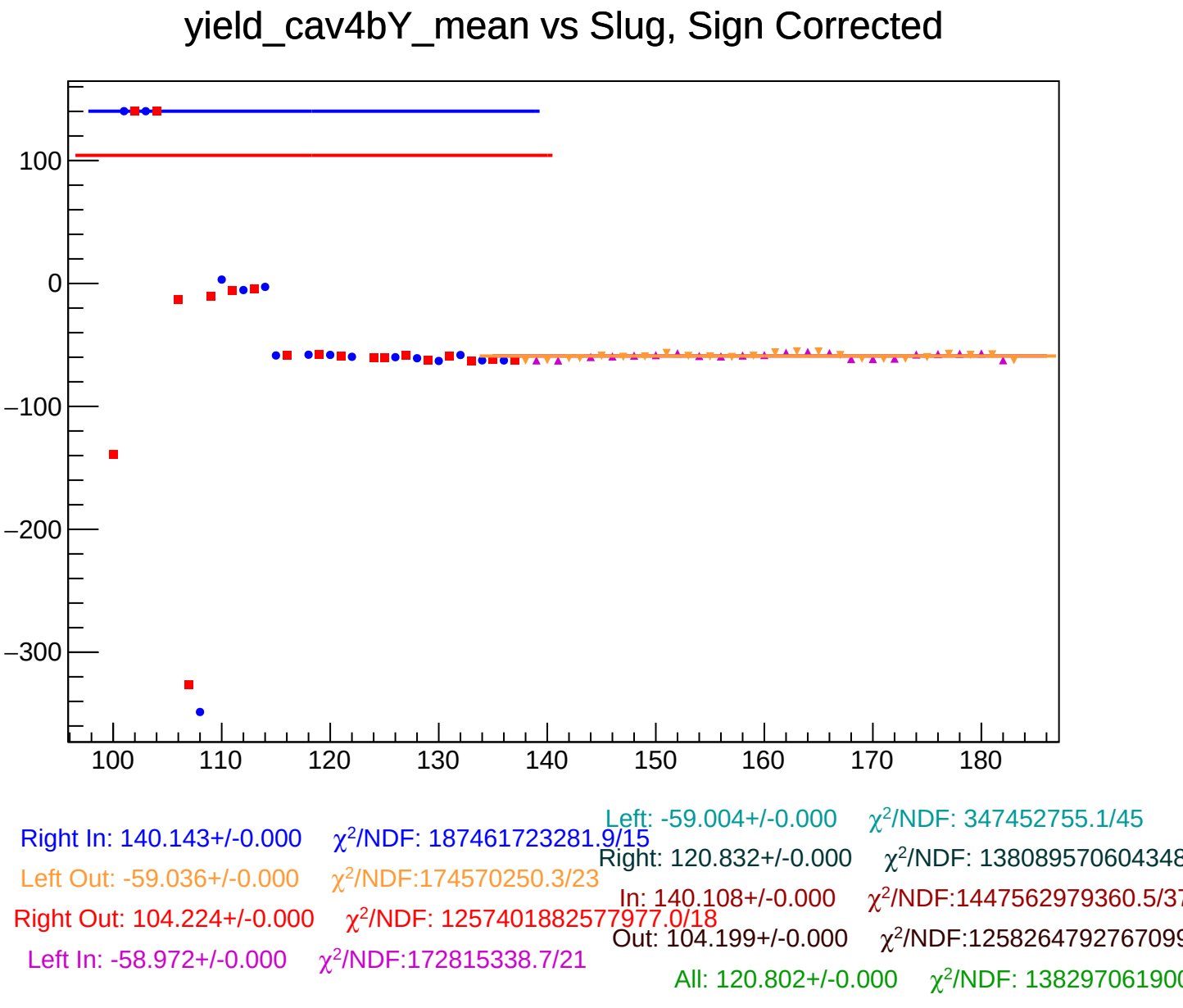
Left: 1.241+/-0.000 χ^2/NDF: 2602176.3/45

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

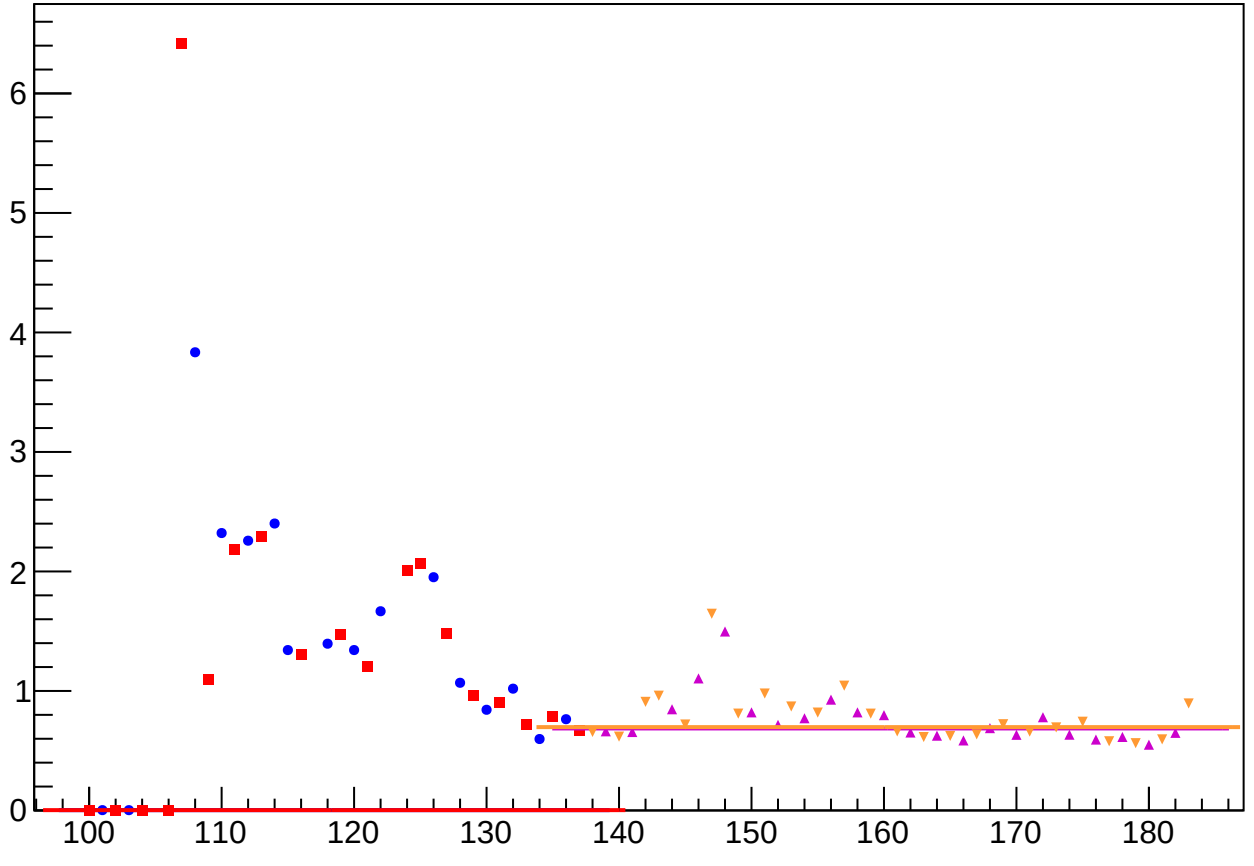
In: 0.003+/-0.000 χ^2/NDF:38899648.6/37

Out: 0.003+/-0.000 χ^2/NDF:40599649.9/42

All: 0.003+/-0.000 χ^2/NDF: 79499550.2/80


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
180
Right In: 140.143+/-0.000 χ²/NDF: 187461723281.9/15
Left Out: -59.036+/-0.000 χ²/NDF:174570250.3/23
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -58.972+/-0.000 χ²/NDF:172815338.7/21
Left: -59.004+/-0.000 χ²/NDF: 347452755.1/45
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.108+/-0.000 χ²/NDF:1447562979360.5/37
Out: 104.199+/-0.000 χ²/NDF:1258264792767099
All: 120.802+/-0.000 χ²/NDF: 13829706190

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.697+/-0.000 χ^2/NDF:1337706.1/23

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: 0.692+/-0.000 χ^2/NDF: 2432647.5/45

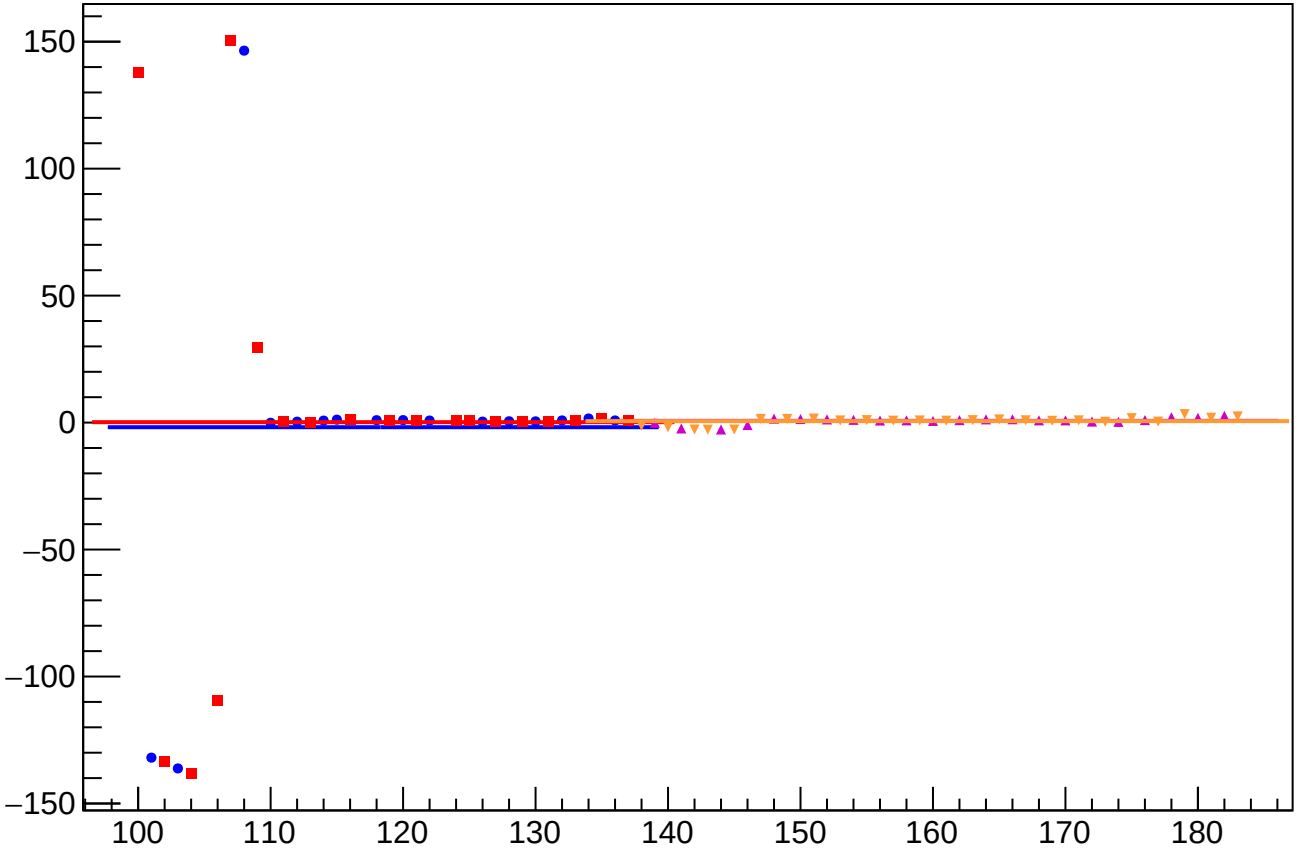
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:41363645.8/37

Out: 0.003+/-0.000 χ^2/NDF:42845163.8/42

All: 0.003+/-0.000 χ^2/NDF: 84209219.5/80

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.571+/-0.000 χ^2/NDF:154313158.7/23

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: 0.622+/-0.000 χ^2/NDF: 251102504.8/45

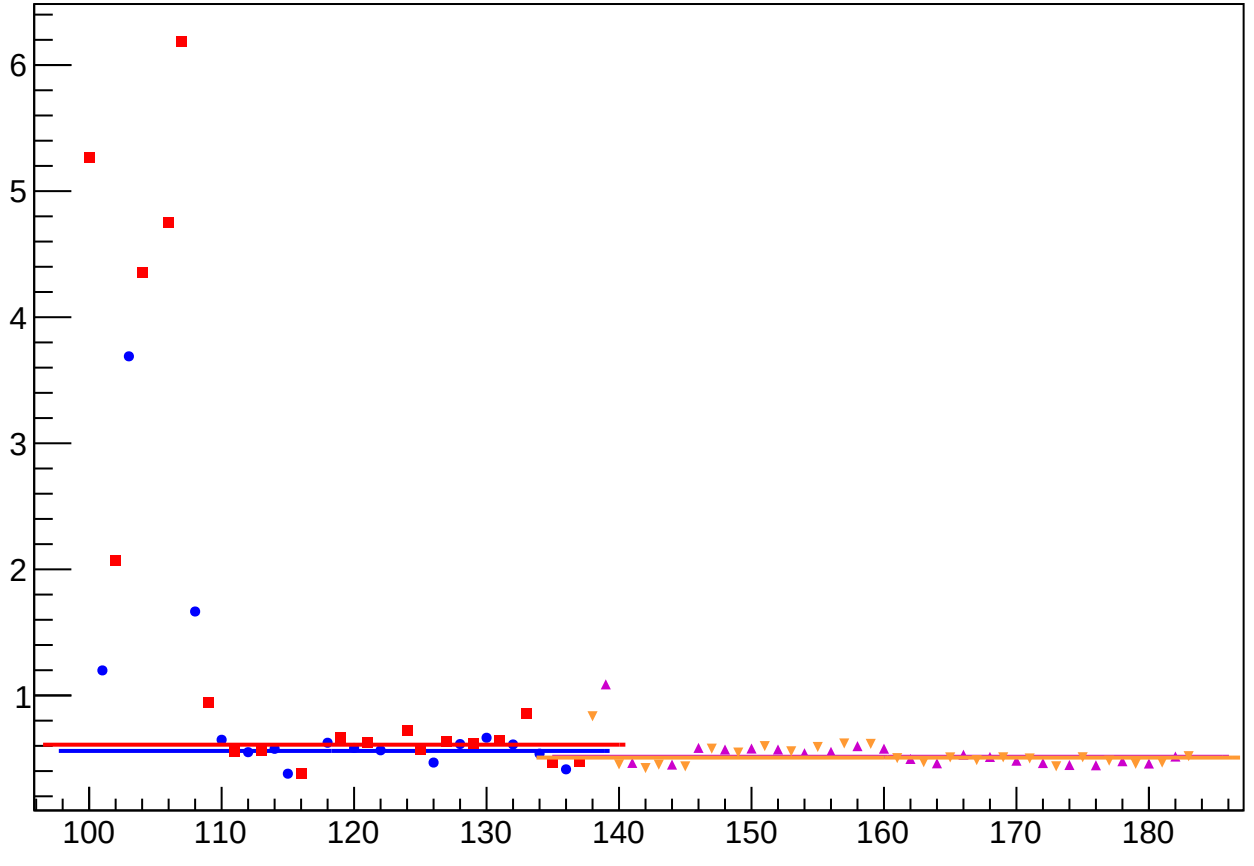
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: 0.111+/-0.000 χ^2/NDF:10061264292.5/37

Out: 0.497+/-0.000 χ^2/NDF:3767366354.3/42

All: 0.307+/-0.000 χ^2/NDF: 13834015444.7/8

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:554615.6/23

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: 1307588.6/45

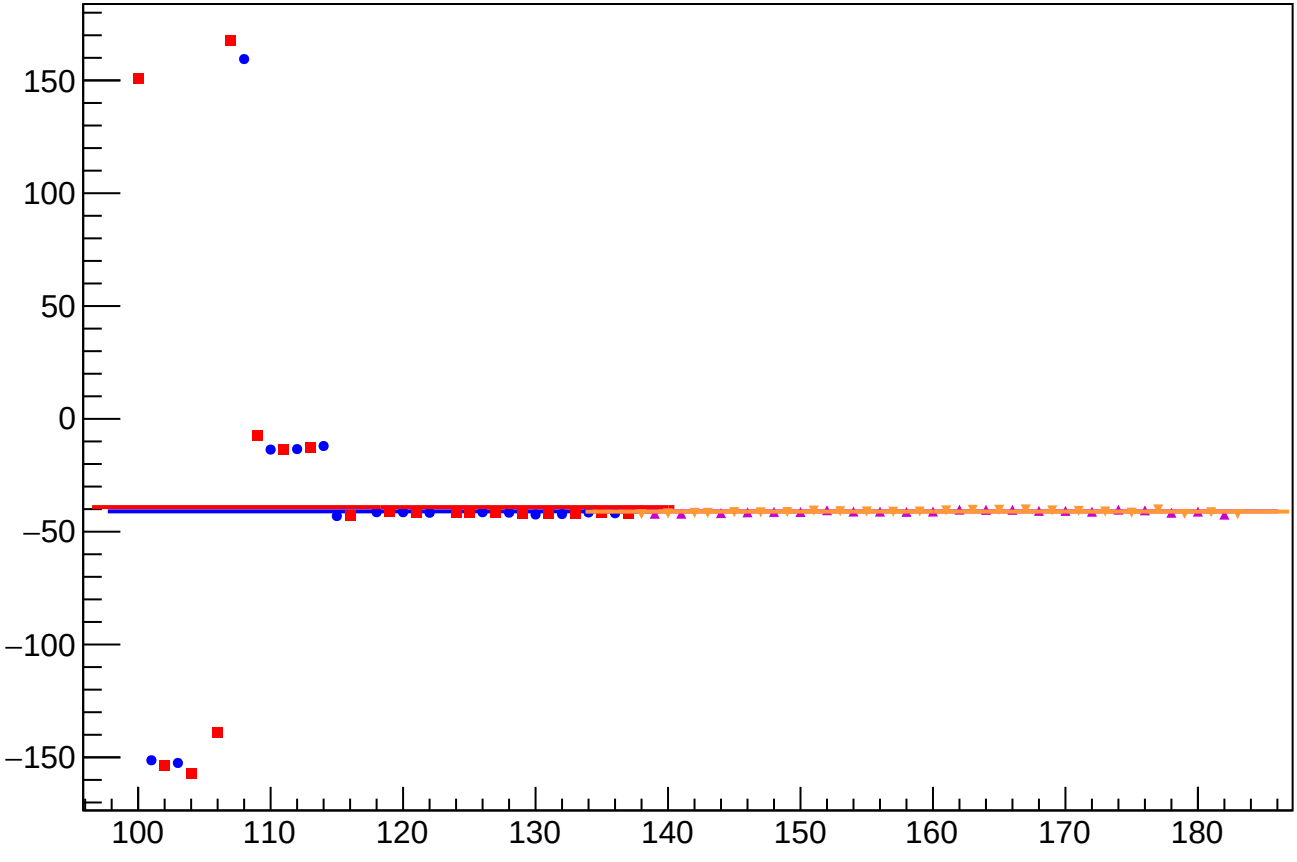
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.524+/-0.000 χ^2/NDF:2402531.1/37

Out: 0.526+/-0.000 χ^2/NDF:3259430.7/42

All: 0.525+/-0.000 χ^2/NDF: 5662176.5/80

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.090+/-0.000 χ^2/NDF:60115565.4/23

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: -41.051+/-0.000 χ^2/NDF: 105050250.0/45

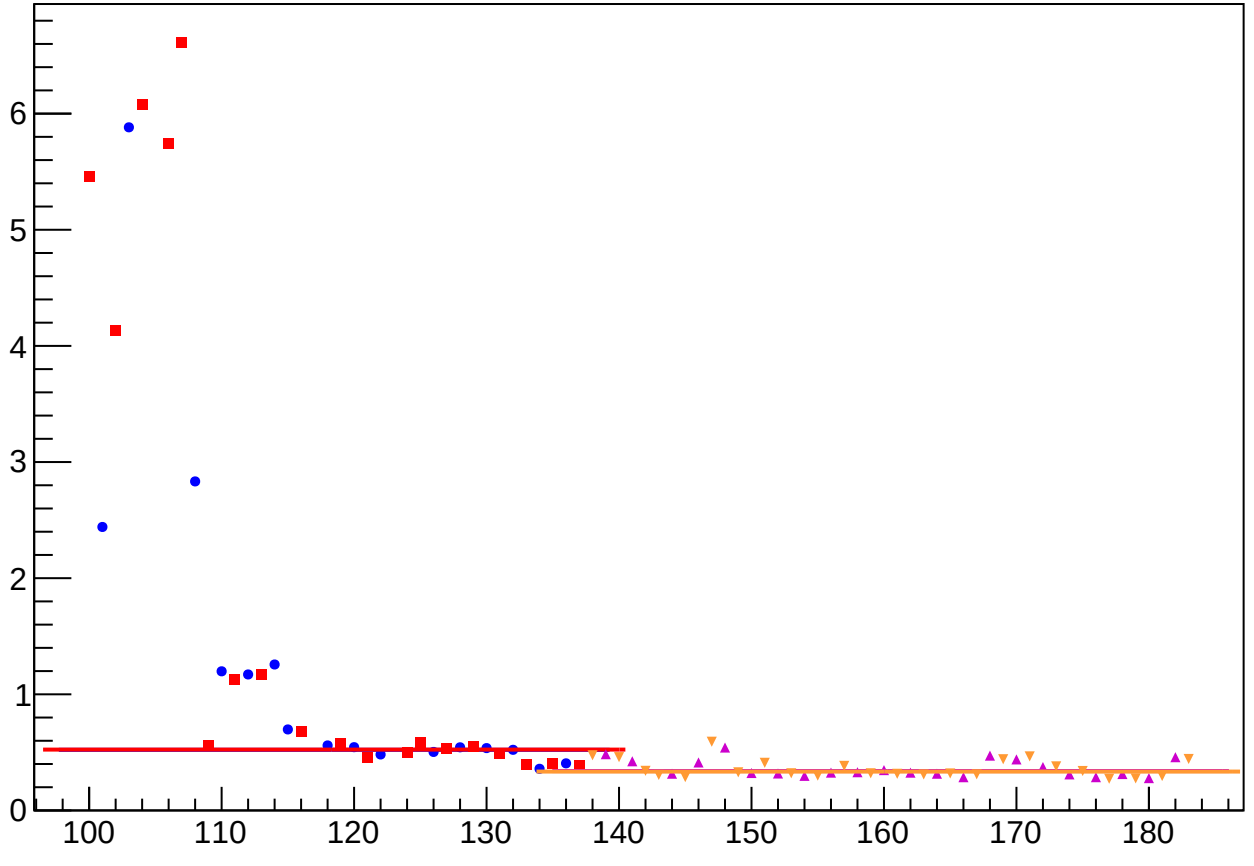
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.006+/-0.000 χ^2/NDF:3494063228.1/37

Out: -40.885+/-0.000 χ^2/NDF:2603789505.9/42

All: -40.943+/-0.000 χ^2/NDF: 6099067450.6/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.335+/-0.000 χ^2/NDF:1211649.5/23

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: 0.337+/-0.000 χ^2/NDF: 2255471.6/45

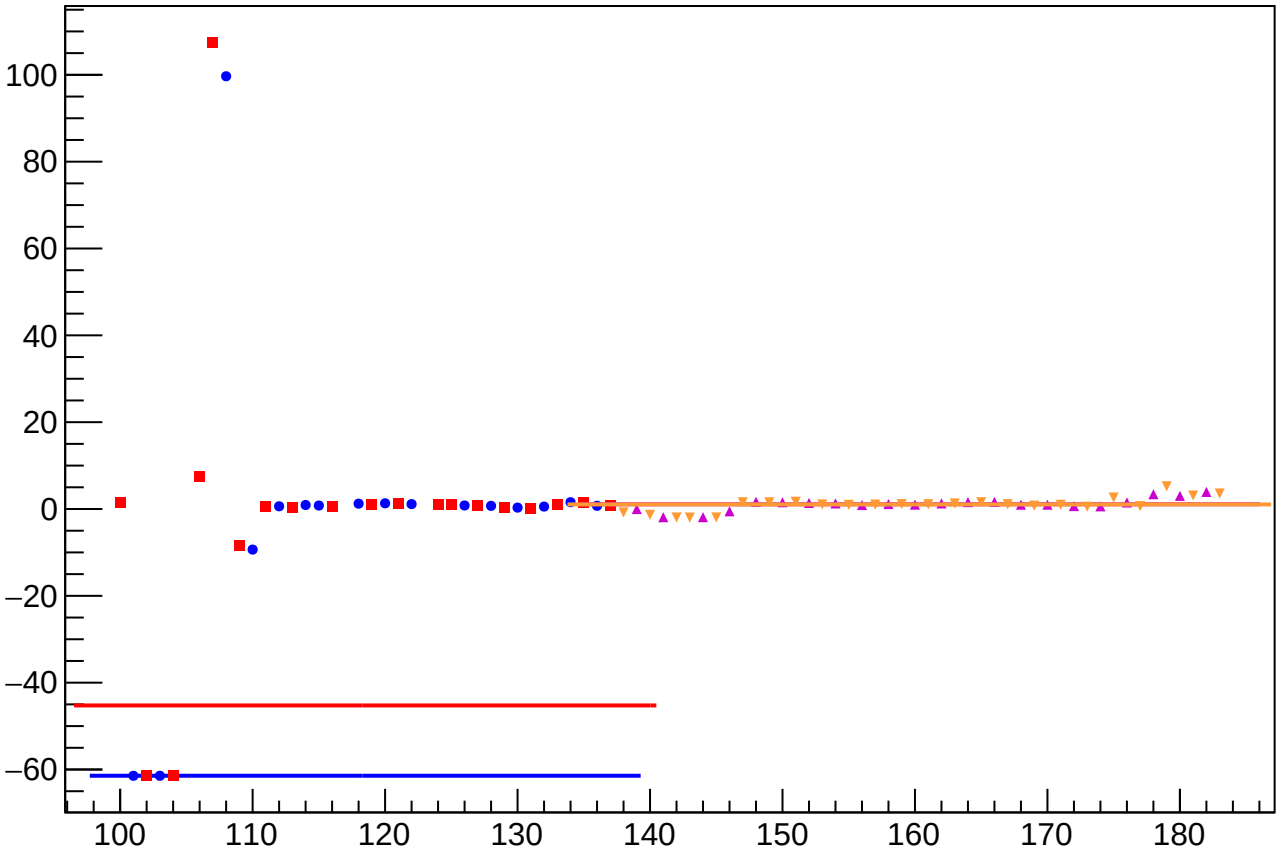
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.360+/-0.000 χ^2/NDF:5081850.3/37

Out: 0.354+/-0.000 χ^2/NDF:5625645.3/42

All: 0.357+/-0.000 χ^2/NDF: 10713214.2/80

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 1.057+/-0.000 χ^2/NDF:253114497.0/23

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 1.093+/-0.000 χ^2/NDF:156707396.4/21

Left: 1.074+/-0.000 χ^2/NDF: 409872262.5/45

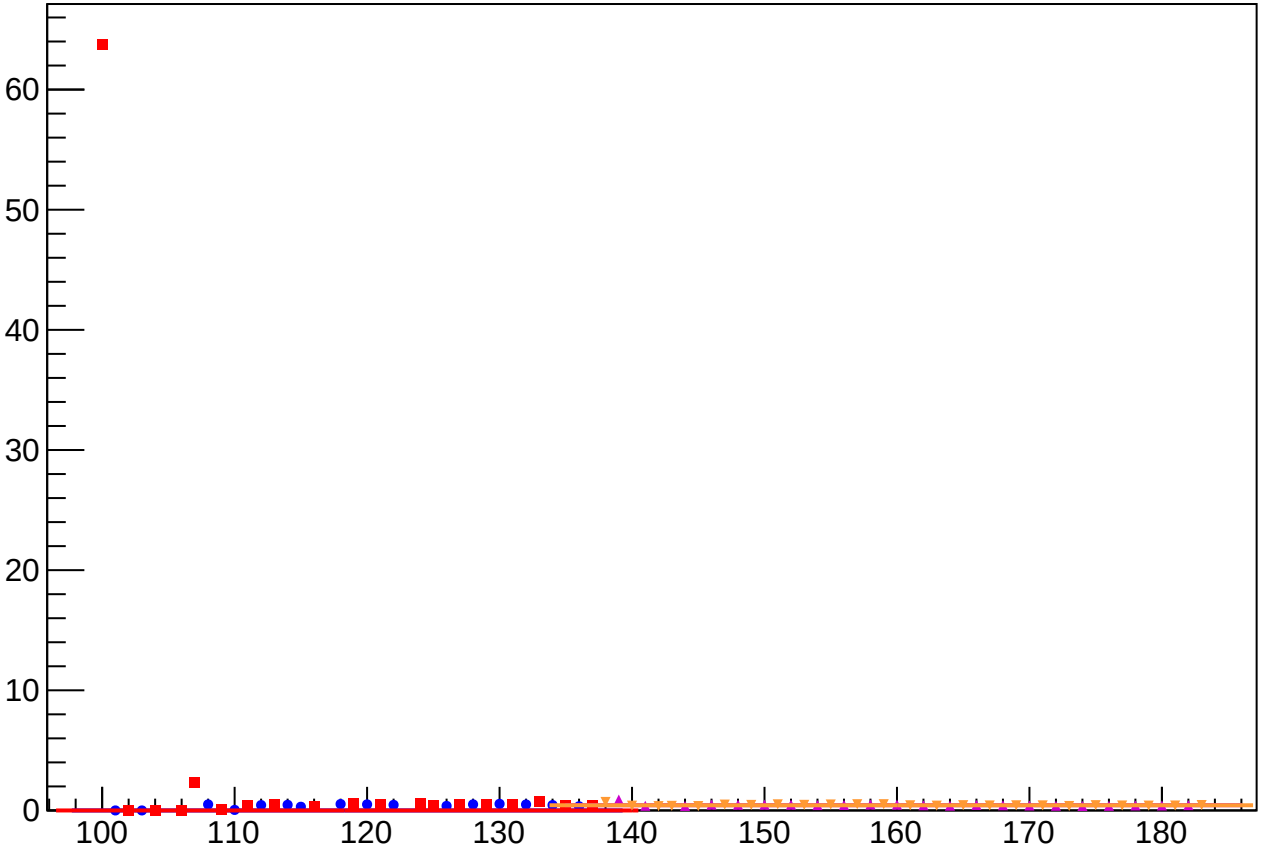
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.423+/-0.000 χ^2/NDF:569530530718.3/37

Out: -45.236+/-0.000 χ^2/NDF:358048767543943.6

All: -52.738+/-0.000 χ^2/NDF: 40958232812

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.432+/-0.000 χ^2/NDF:527058.2/23

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: 1225432.1/45

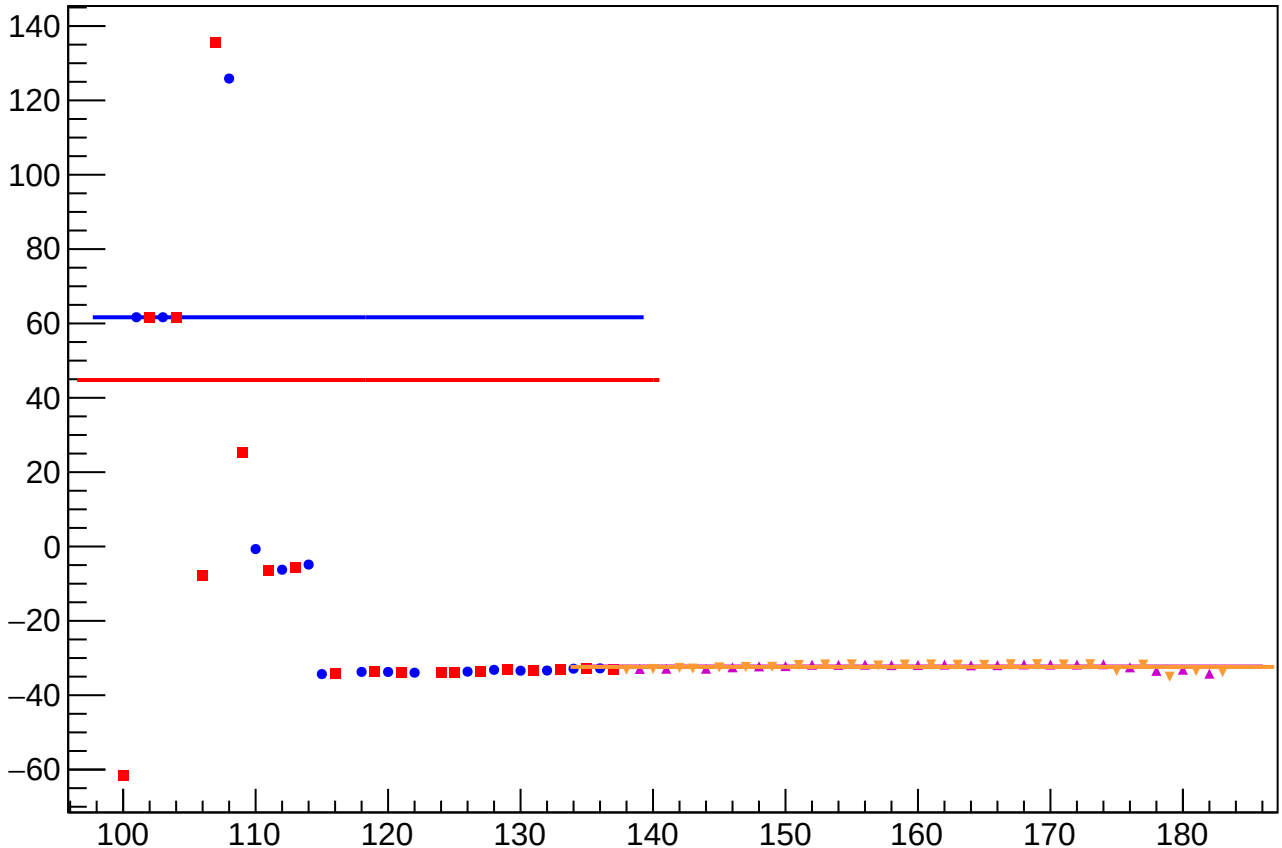
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:38807164.9/37

Out: 0.002+/-0.000 χ^2/NDF:40653982.1/42

All: 0.002+/-0.000 χ^2/NDF: 79461175.0/80

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.389+/-0.000 χ^2/NDF:171919039.1/23

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.277+/-0.000 χ^2/NDF:89799091.7/21

Left: -32.335+/-0.000 χ^2/NDF: 263027613.6/45

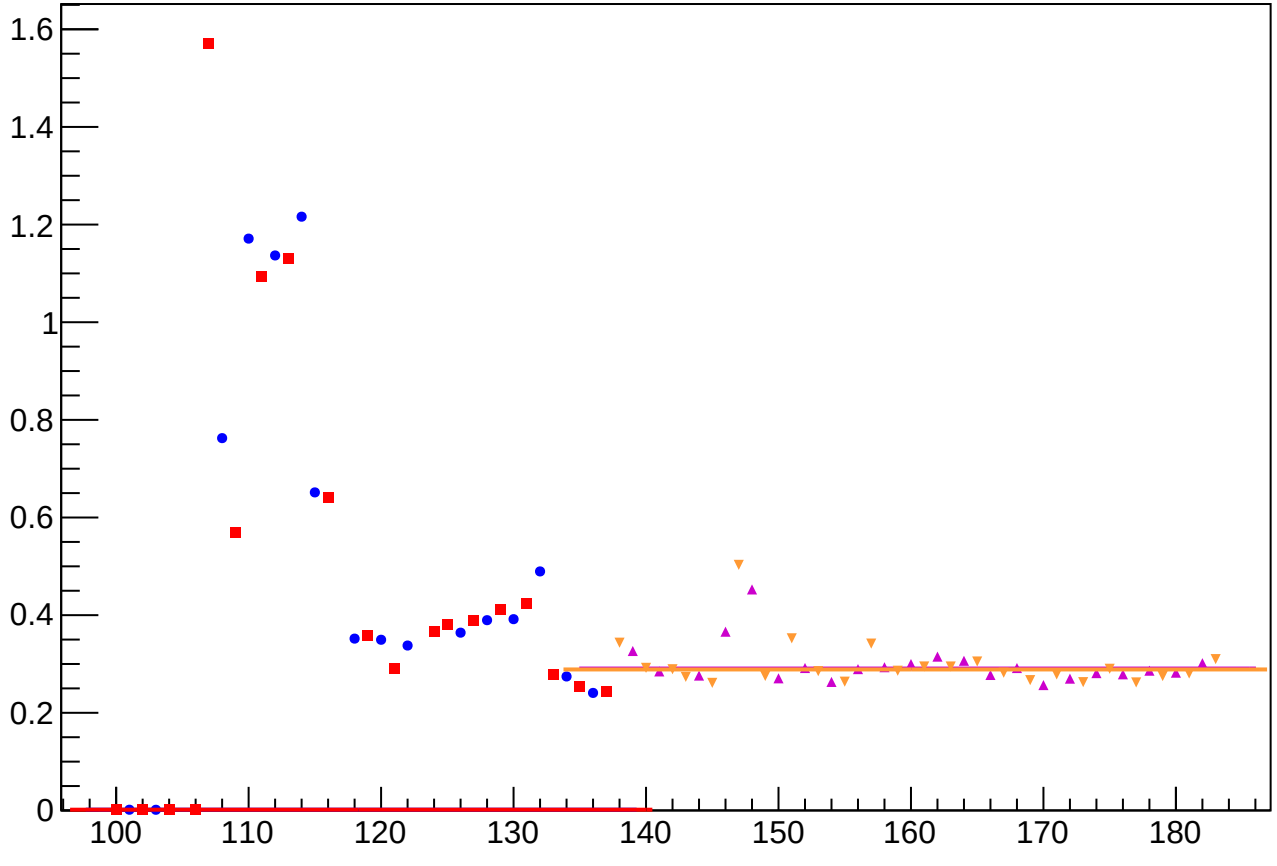
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.605+/-0.000 χ^2/NDF:2162953050411.8/37

Out: 44.742+/-0.000 χ^2/NDF:367391829731946.6

All: 52.639+/-0.000 χ^2/NDF: 4206115777882

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.289+/-0.000 χ^2/NDF:519193.8/23

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: 0.290+/-0.000 χ^2/NDF: 907411.9/45

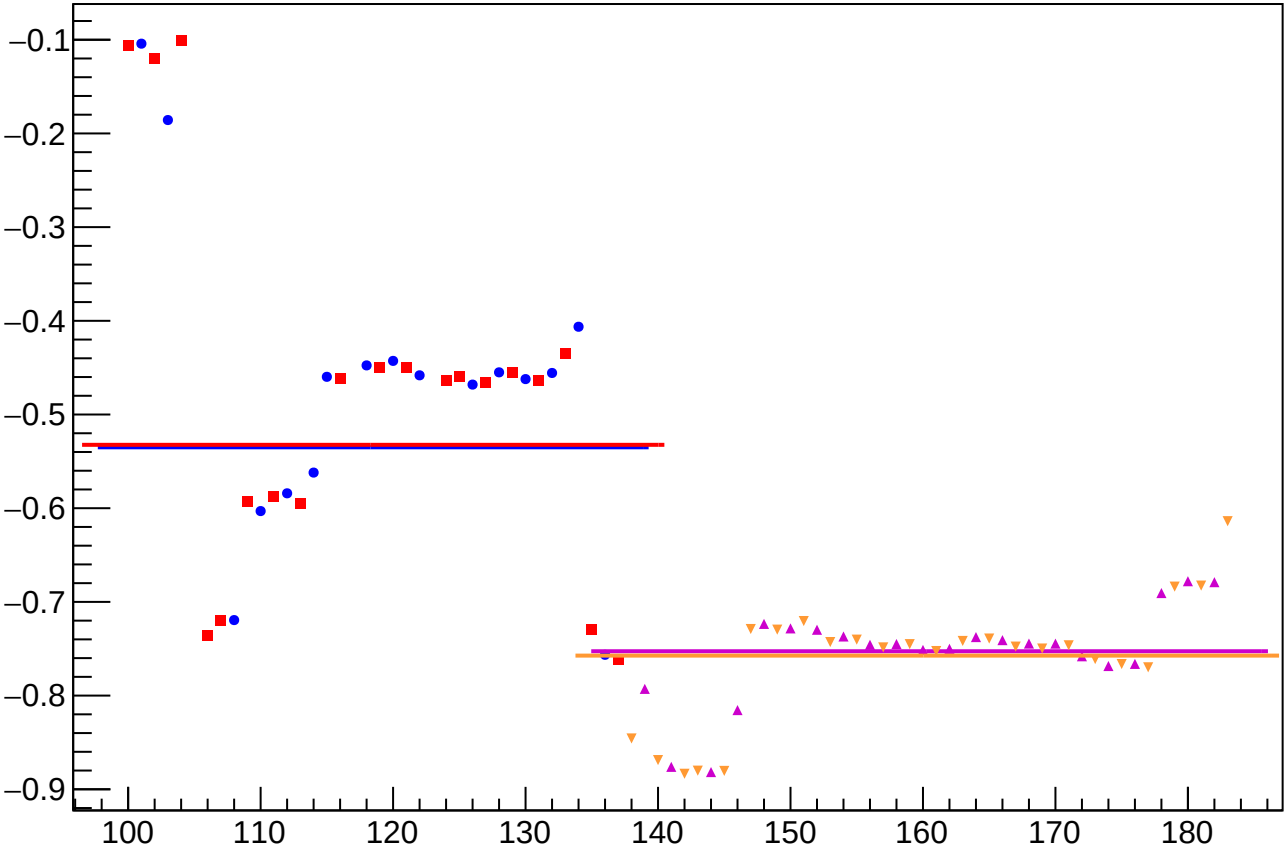
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:45387414.1/37

Out: 0.002+/-0.000 χ^2/NDF:47013259.9/42

All: 0.002+/-0.000 χ^2/NDF: 92400697.1/80

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.757+/-0.000 χ^2/NDF:193863092.6/23

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: -0.755+/-0.000 χ^2/NDF: 314817853.4/45

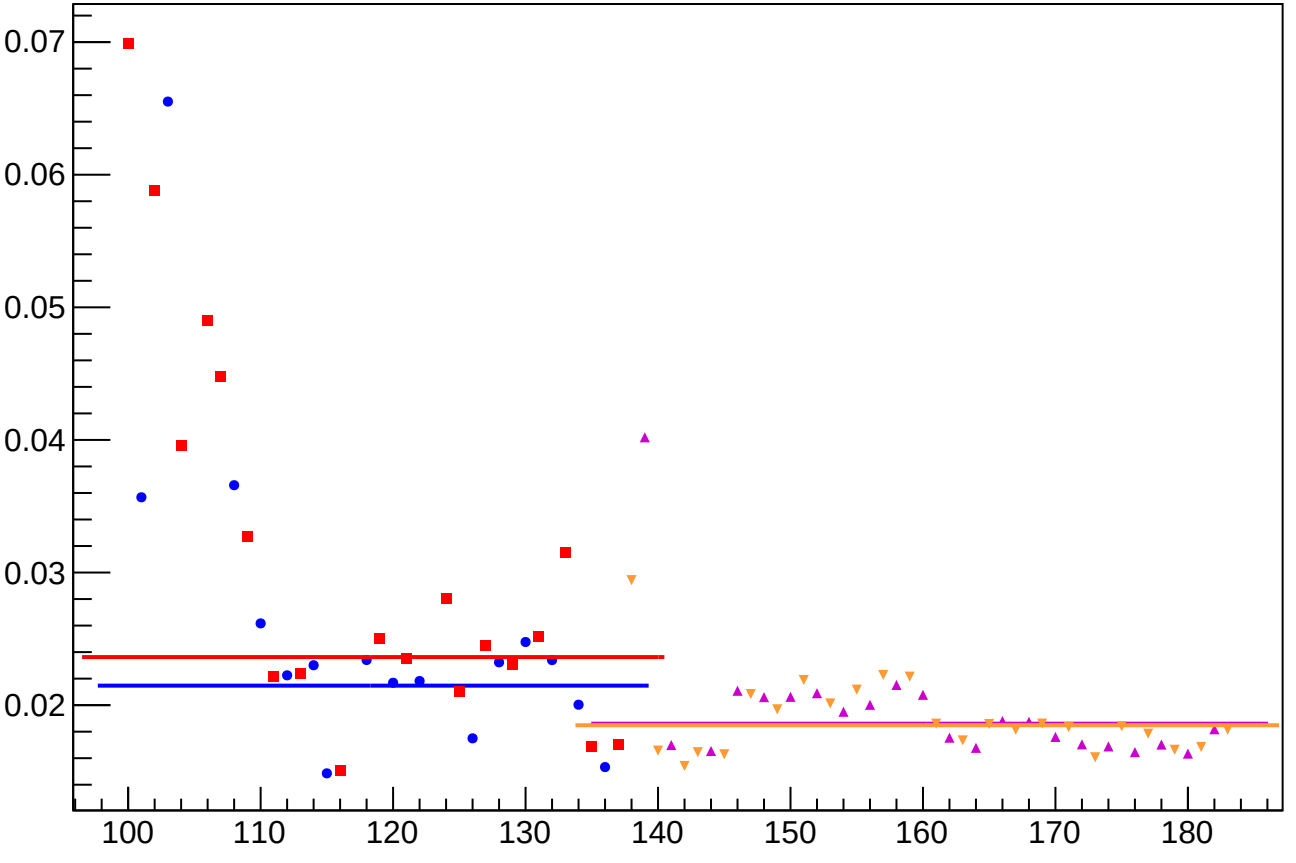
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.705+/-0.000 χ^2/NDF:852144988.5/37

Out: -0.716+/-0.000 χ^2/NDF:822032286.4/42

All: -0.711+/-0.000 χ^2/NDF: 1677613654.0/8

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:491658.7/23

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: 1231109.7/45

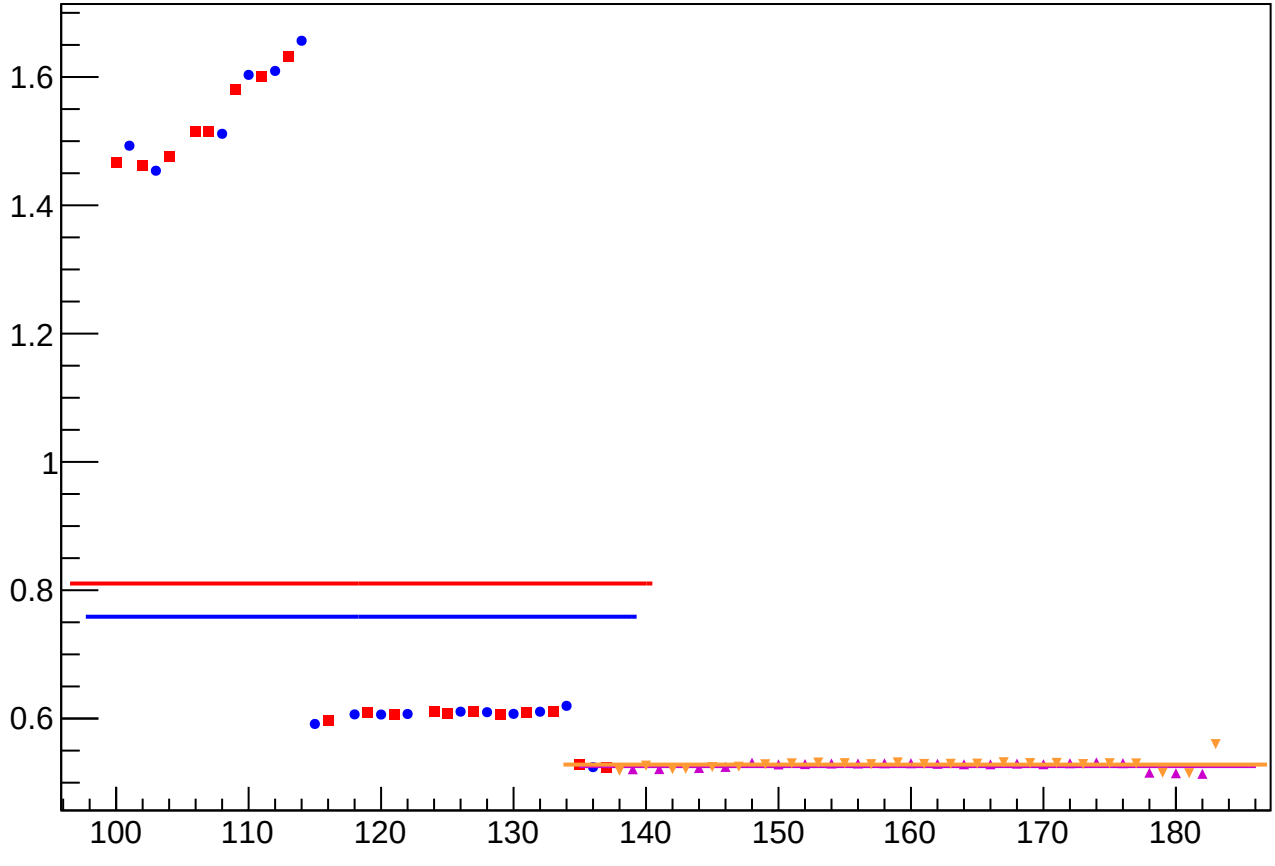
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.019+/-0.000 χ^2/NDF:2042452.0/37

Out: 0.019+/-0.000 χ^2/NDF:2201297.8/42

All: 0.019+/-0.000 χ^2/NDF: 4245690.6/80

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.528+/-0.000 χ^2/NDF:9881245.1/23

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: 0.527+/-0.000 χ^2/NDF: 14499359.4/45

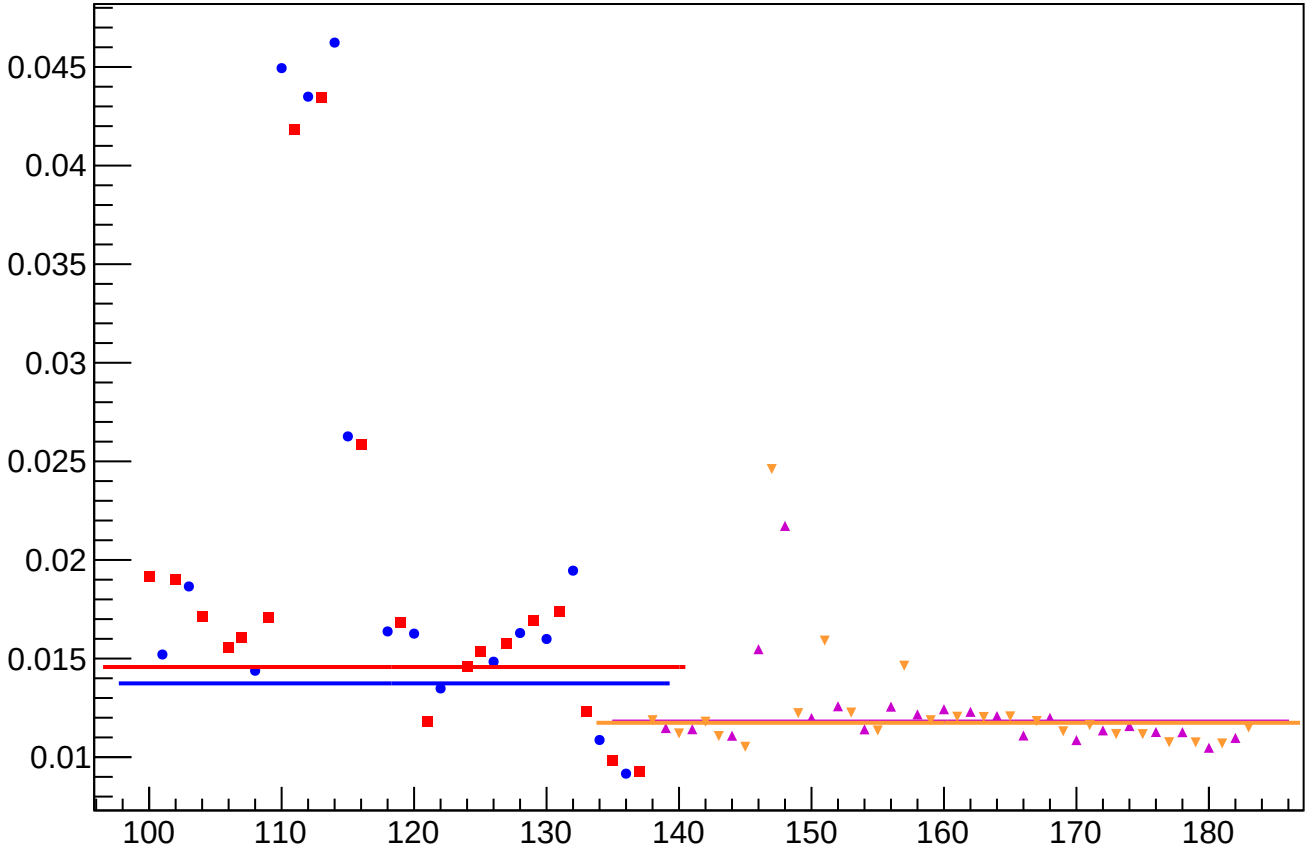
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.573+/-0.000 χ^2/NDF:5671662298.4/37

Out: 0.579+/-0.000 χ^2/NDF:6694854897.2/42

All: 0.576+/-0.000 χ^2/NDF: 12369758348.4/8

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:698366.4/23

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: 1215479.8/45

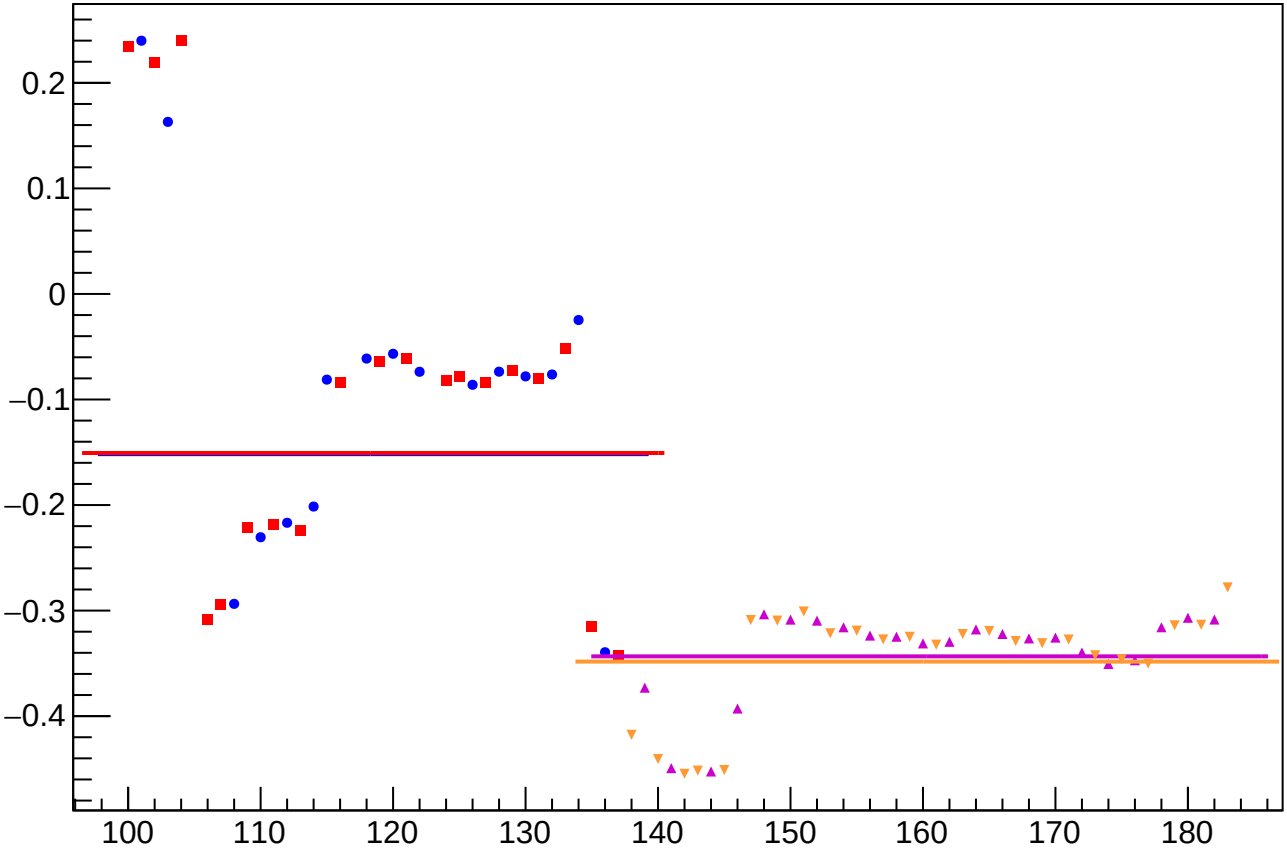
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.012+/-0.000 χ^2/NDF:2354739.3/37

Out: 0.012+/-0.000 χ^2/NDF:2538249.2/42

All: 0.012+/-0.000 χ^2/NDF: 4893533.4/80

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.348+/-0.000 χ^2/NDF:120547109.4/23

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: -0.346+/-0.000 χ^2/NDF: 205394857.0/45

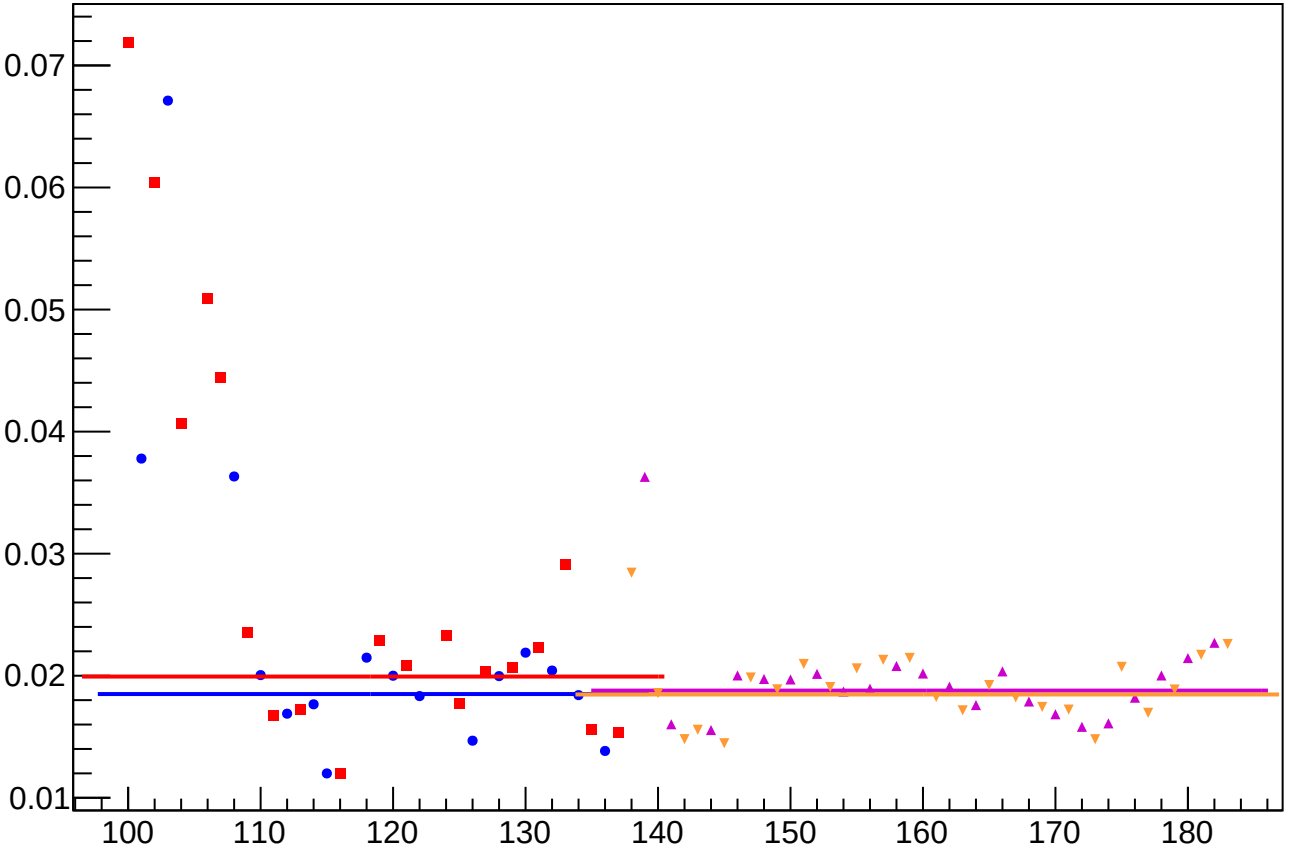
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.292+/-0.000 χ^2/NDF:774434756.5/37

Out: -0.303+/-0.000 χ^2/NDF:732171643.5/42

All: -0.297+/-0.000 χ^2/NDF: 1510177421.1/8

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:635788.5/23

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: 1357511.3/45

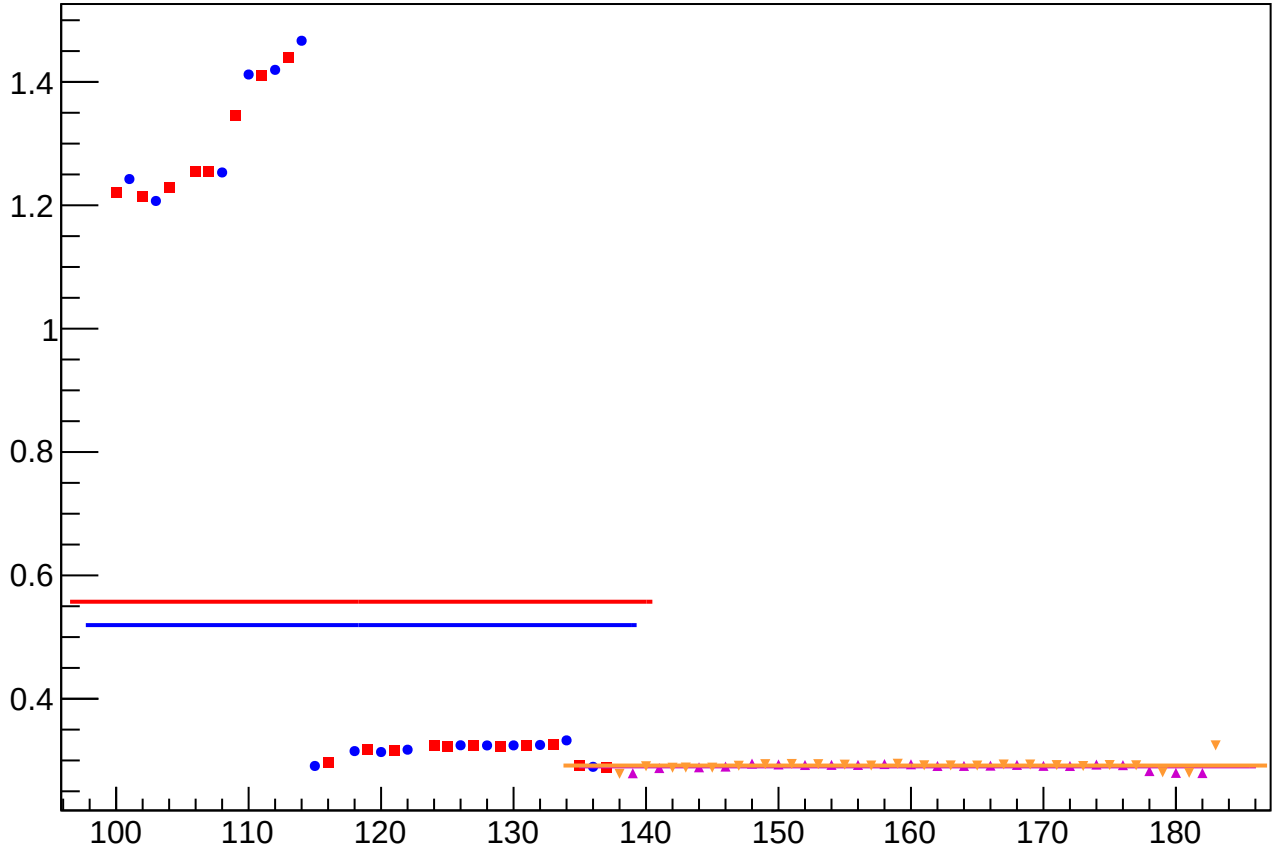
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:2091471.9/37

Out: 0.019+/-0.000 χ^2/NDF:2228779.3/42

All: 0.019+/-0.000 χ^2/NDF: 4320788.2/80

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.292+/-0.000 χ^2/NDF:6871894.8/23

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: 9773780.3/45

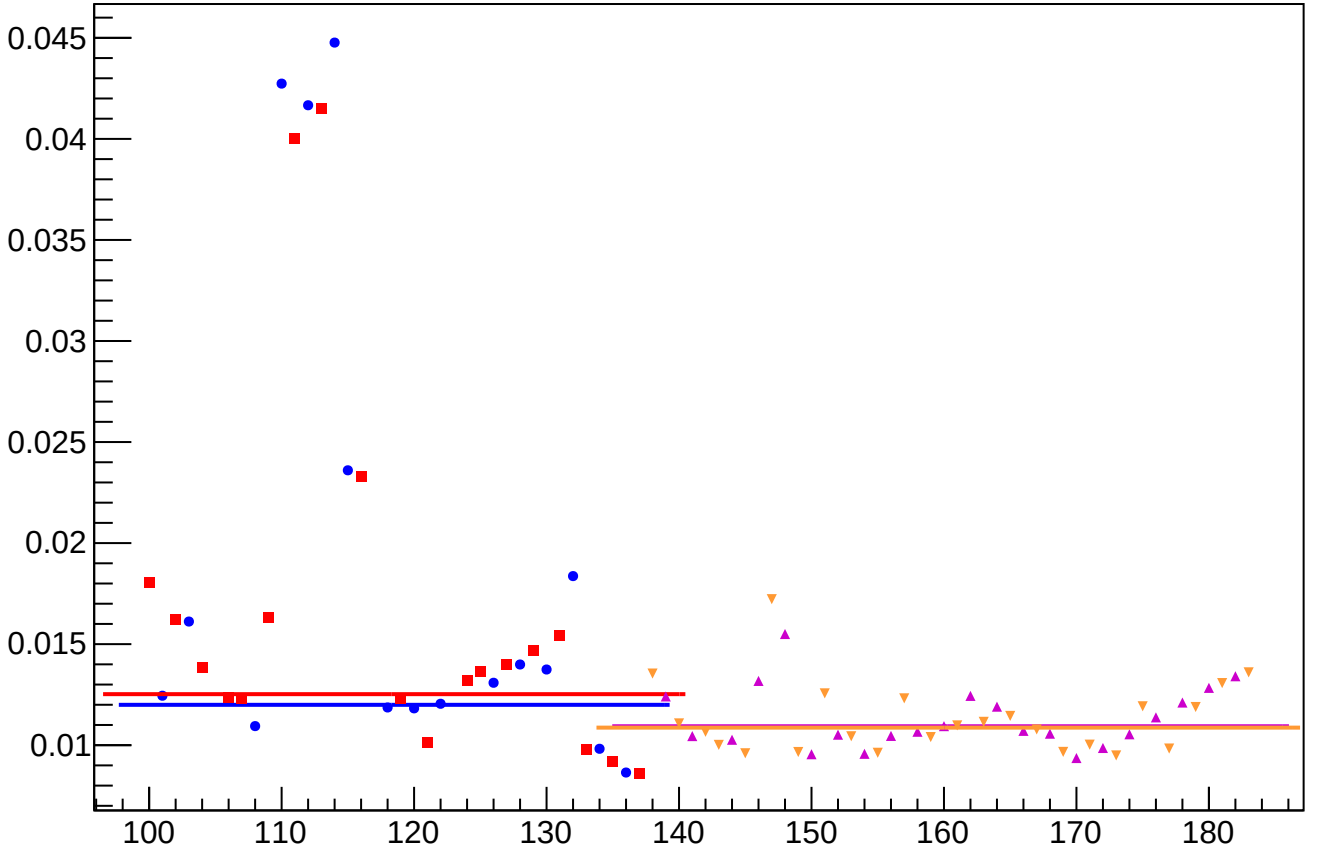
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.342+/-0.000 χ^2/NDF:8006516158.2/37

Out: 0.346+/-0.000 χ^2/NDF:8946651340.4/42

All: 0.344+/-0.000 χ^2/NDF: 16954588430.6/8

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:644299.8/23

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: 1149628.4/45

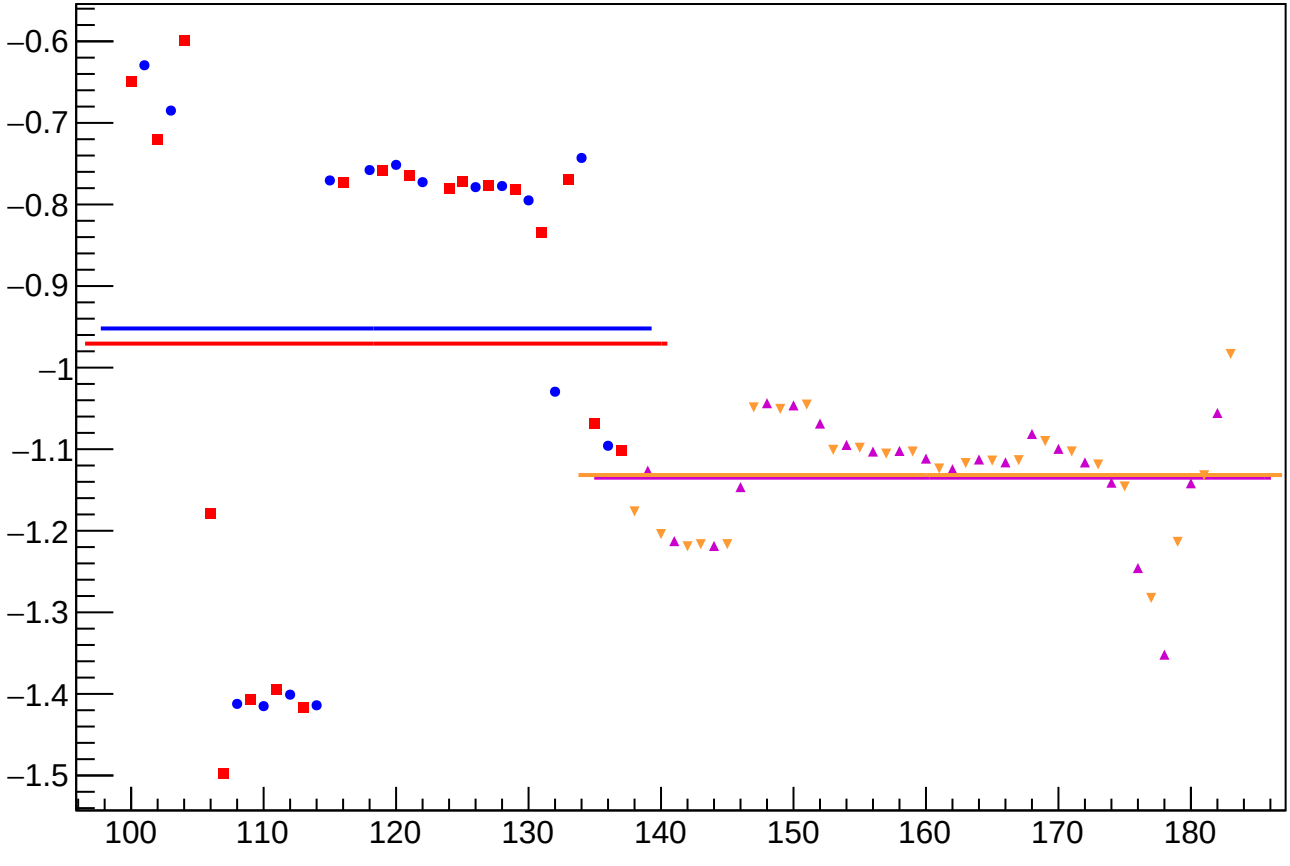
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:2068340.4/37

Out: 0.011+/-0.000 χ^2/NDF:2249164.9/42

All: 0.011+/-0.000 χ^2/NDF: 4317673.4/80

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.132+/-0.000 χ^2/NDF:216770257.6/23

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: -1.133+/-0.000 χ^2/NDF: 451261952.4/45

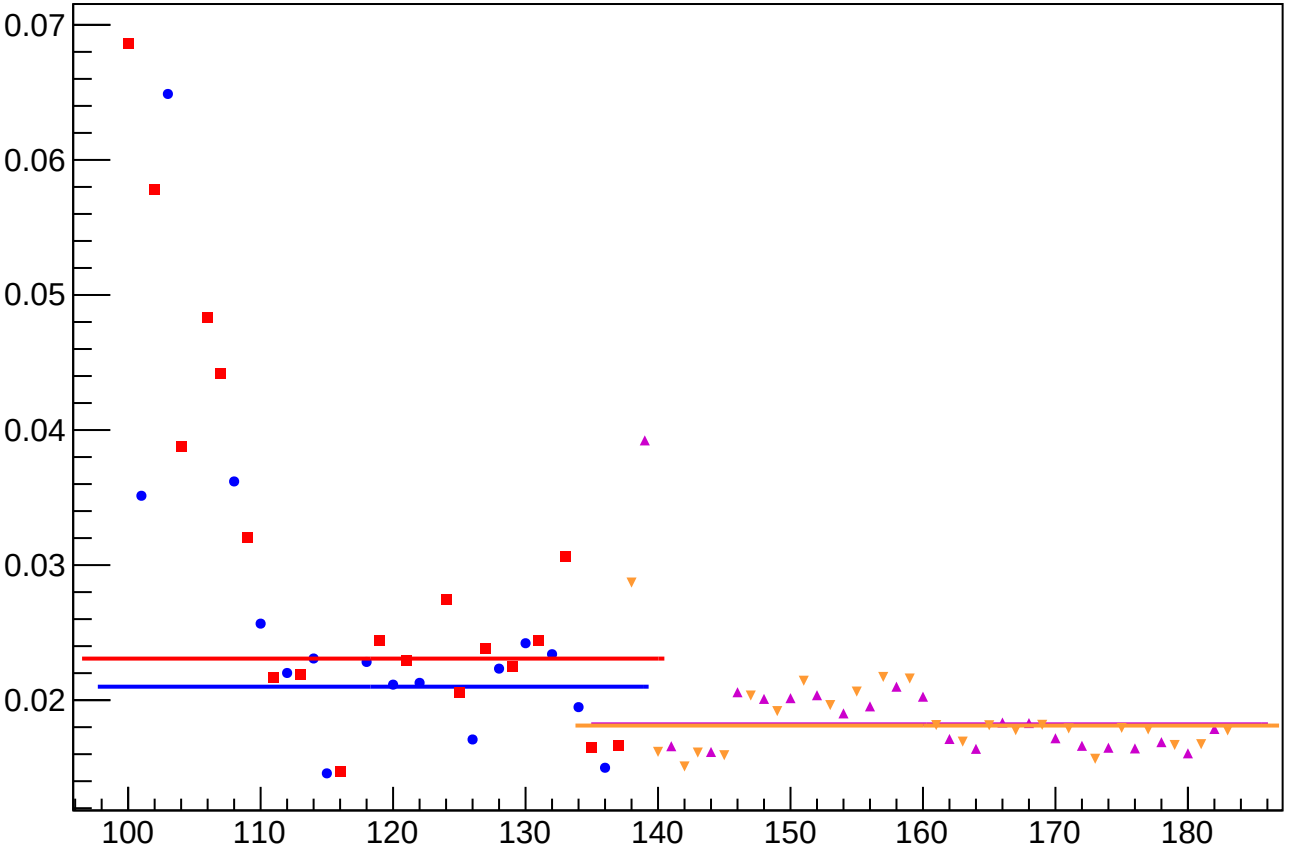
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.095+/-0.000 χ^2/NDF:1251341418.1/37

Out: -1.102+/-0.000 χ^2/NDF:1152808364.4/42

All: -1.099+/-0.000 χ^2/NDF: 2405649643.5/8

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:474001.5/23

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: 1197937.3/45

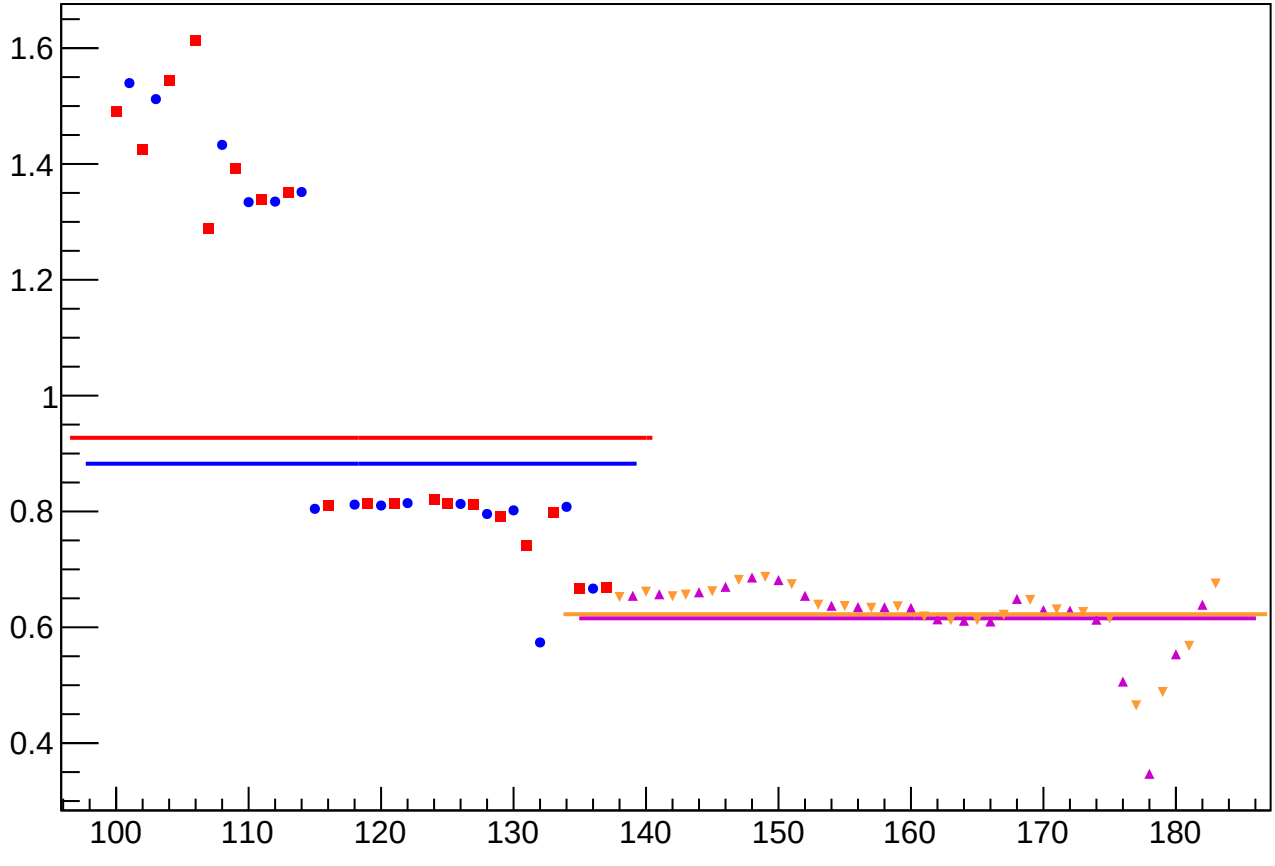
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.019+/-0.000 χ^2/NDF:2038132.3/37

Out: 0.019+/-0.000 χ^2/NDF:2175025.8/42

All: 0.019+/-0.000 χ^2/NDF: 4215532.1/80

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.623+/-0.000 χ^2/NDF:389519432.0/23

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: 0.619+/-0.000 χ^2/NDF: 1023712286.5/45

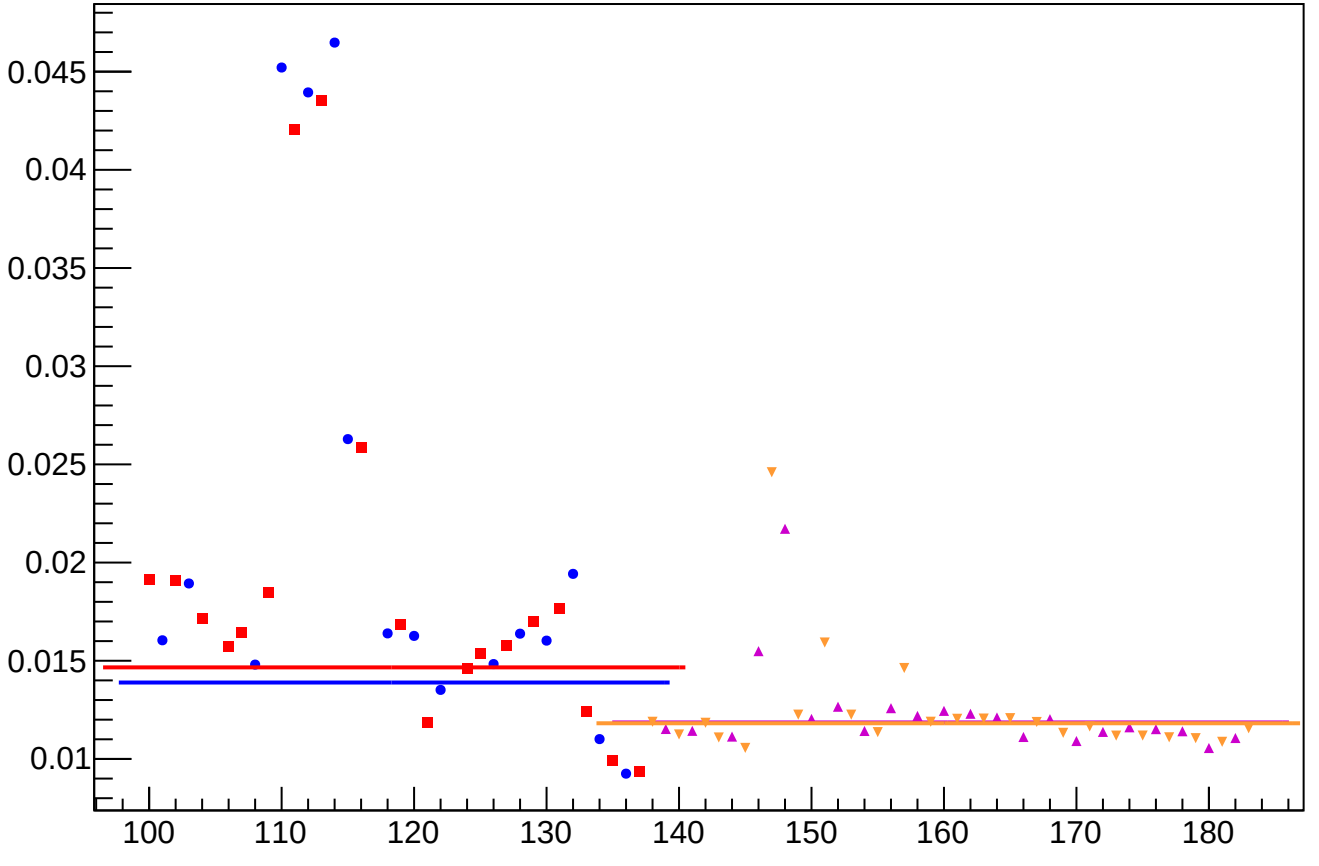
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.669+/-0.000 χ^2/NDF:5165798853.8/37

Out: 0.678+/-0.000 χ^2/NDF:5345683356.4/42

All: 0.673+/-0.000 χ^2/NDF: 10517501032.2/8

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:671985.9/23

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: 1177792.8/45

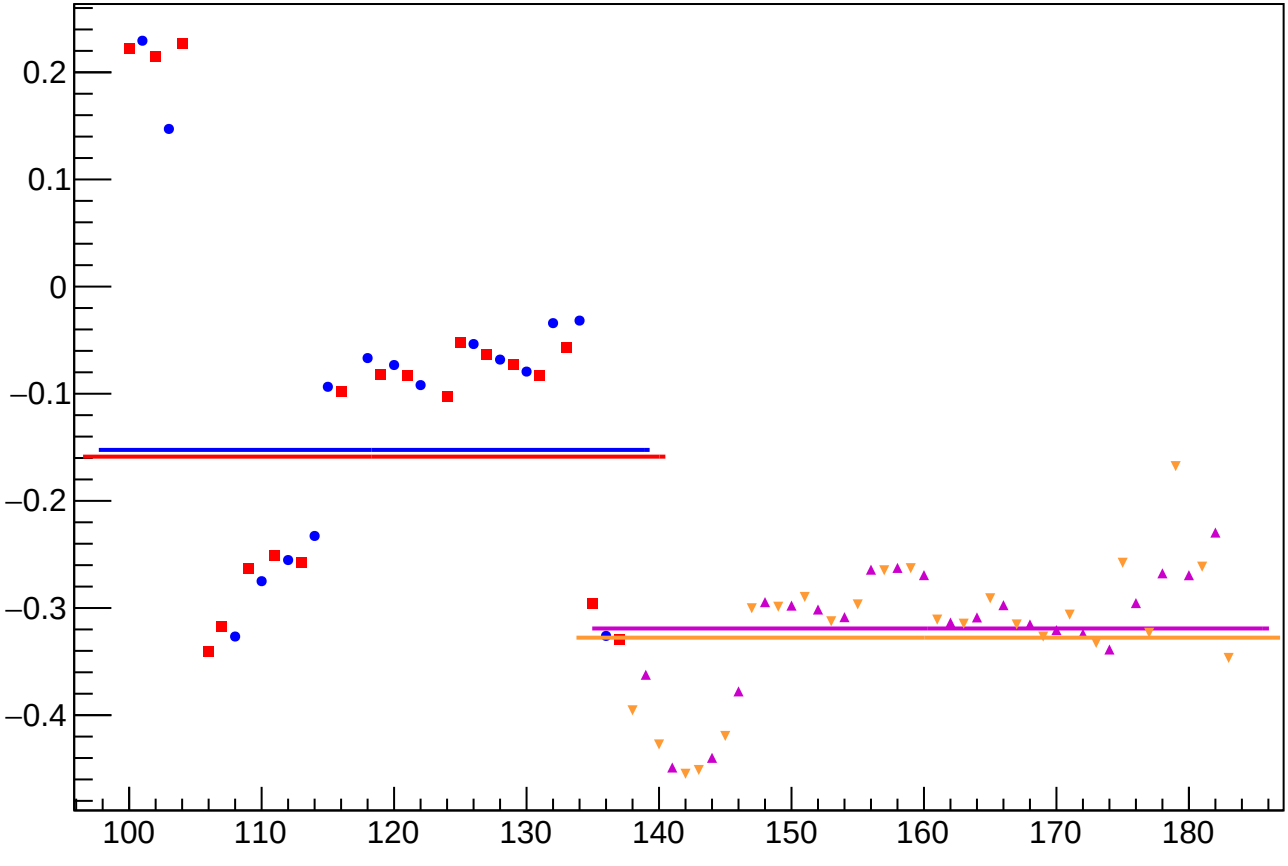
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.012+/-0.000 χ^2/NDF:2355052.8/37

Out: 0.012+/-0.000 χ^2/NDF:2521982.1/42

All: 0.012+/-0.000 χ^2/NDF: 4877696.1/80

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.328+/-0.000 χ^2/NDF:164558476.1/23

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: -0.324+/-0.000 χ^2/NDF: 296199064.8/45

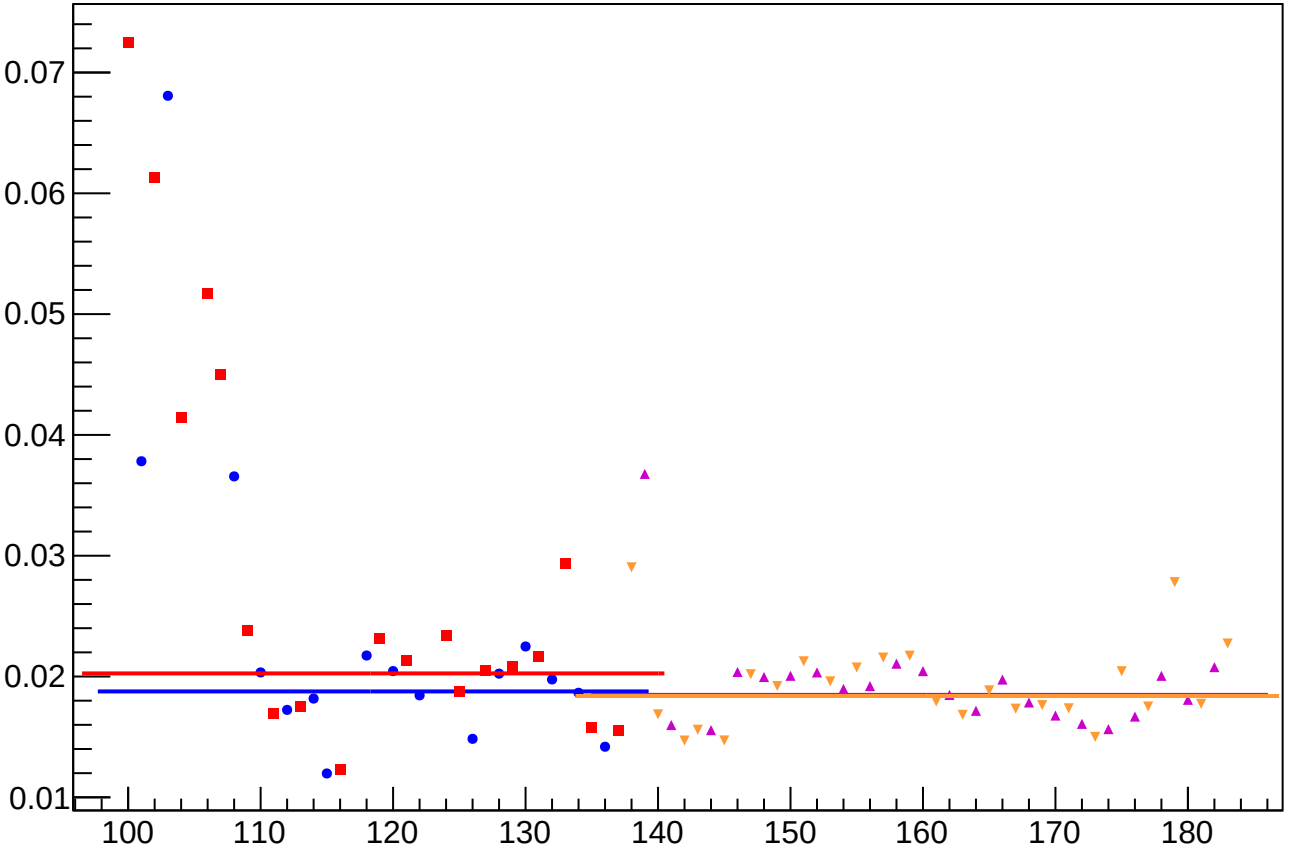
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.276+/-0.000 χ^2/NDF:711920187.6/37

Out: -0.289+/-0.000 χ^2/NDF:652475084.3/42

All: -0.282+/-0.000 χ^2/NDF: 1369732447.3/8

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:733576.0/23

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: 1442461.6/45

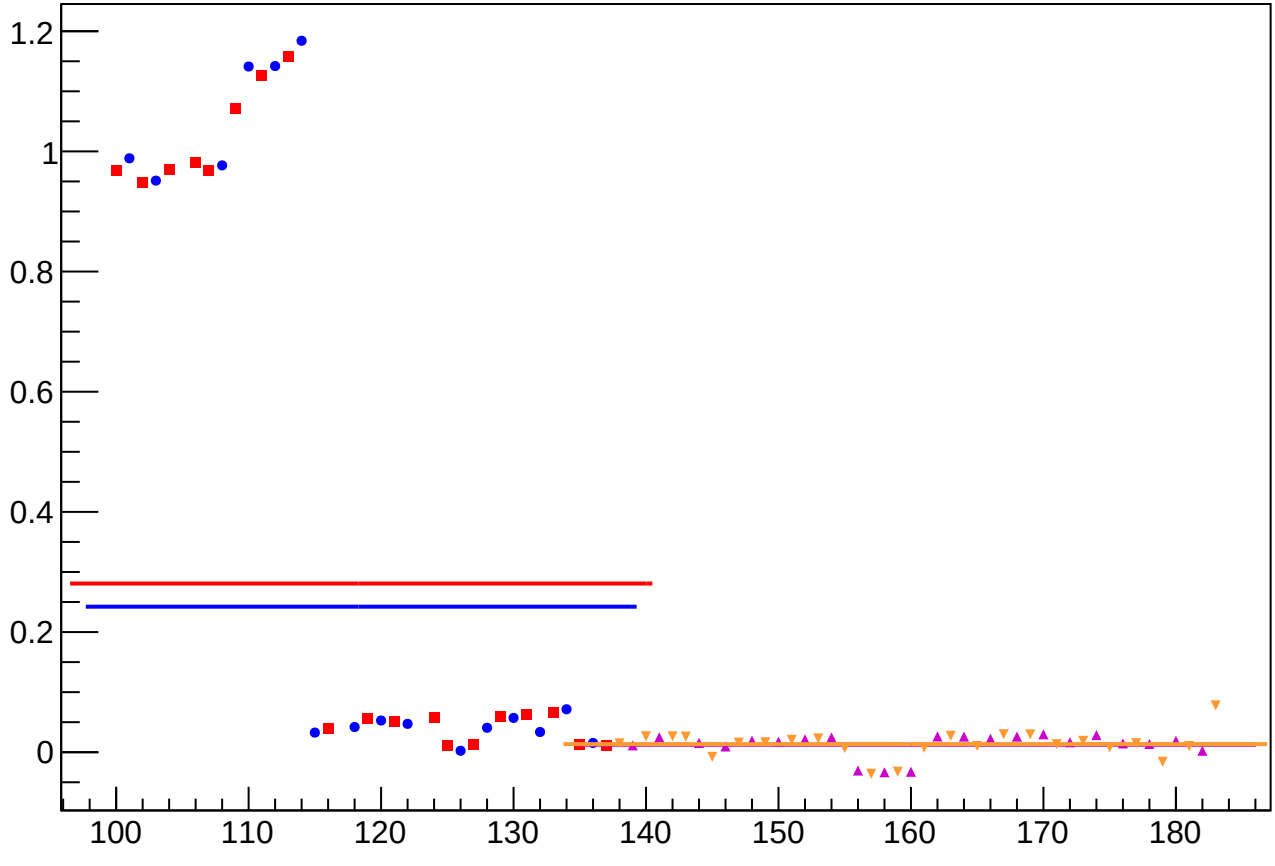
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:2059714.4/37

Out: 0.019+/-0.000 χ^2/NDF:2334835.1/42

All: 0.019+/-0.000 χ^2/NDF: 4398424.6/80

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:61956320.5/23

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: 0.013+/-0.000 χ^2/NDF: 120379765.6/45

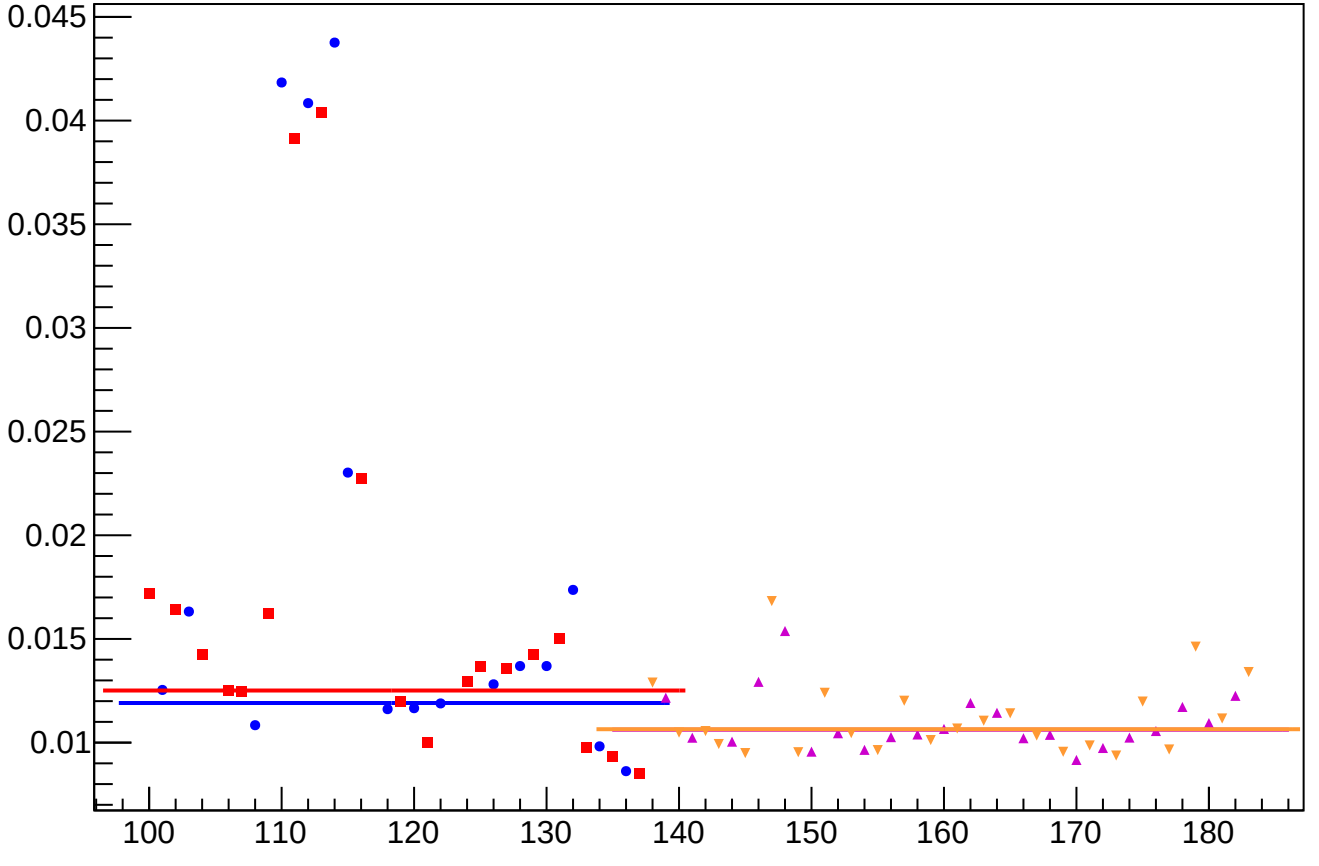
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.063+/-0.000 χ^2/NDF:8302234183.3/37

Out: 0.067+/-0.000 χ^2/NDF:9054462515.1/42

All: 0.065+/-0.000 χ^2/NDF: 17358683646.8/8

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:612971.7/23

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: 1012992.9/45

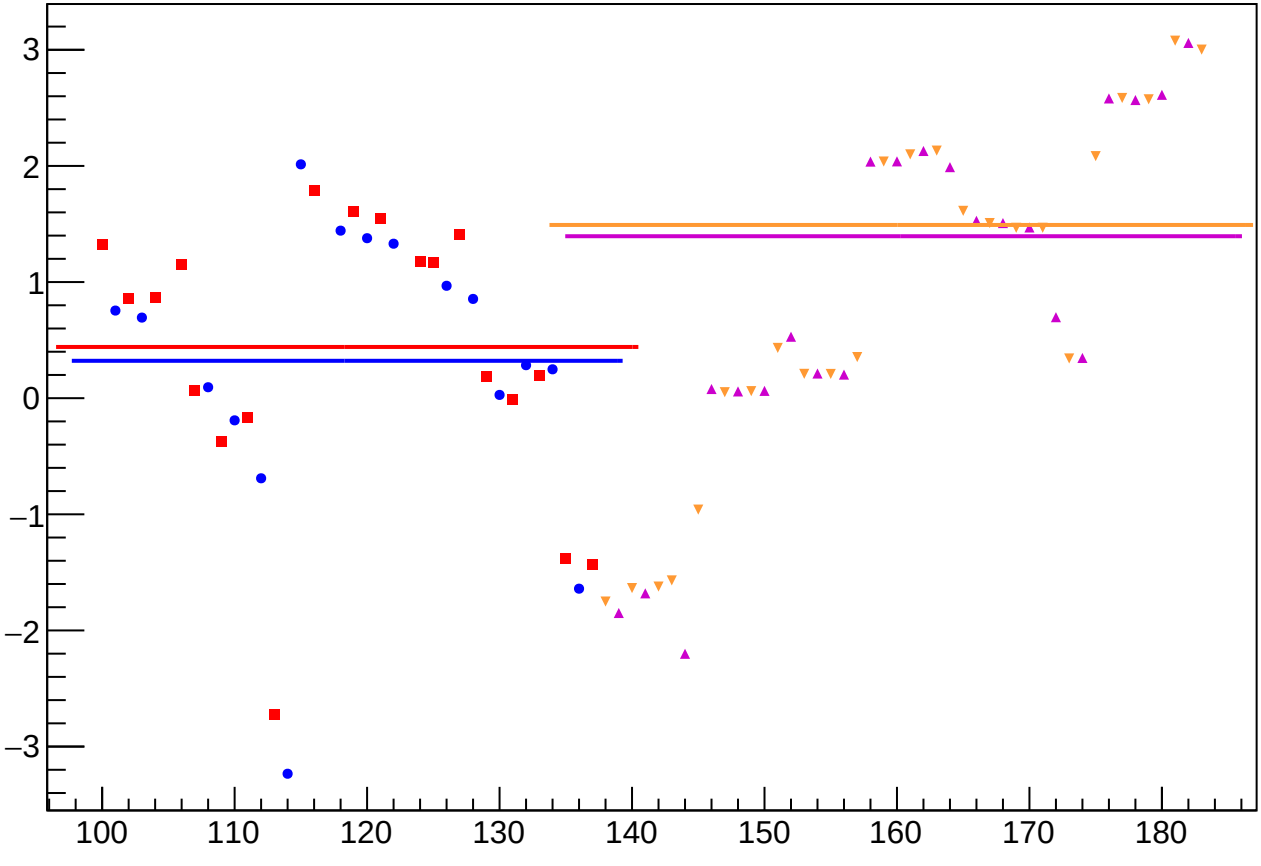
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1968518.6/37

Out: 0.011+/-0.000 χ^2/NDF:2223352.3/42

All: 0.011+/-0.000 χ^2/NDF: 4194567.9/80

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.492+/-0.000 χ^2/NDF:65718561551.7/23

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: 1.443+/-0.000 χ^2/NDF: 131209672700.4/45

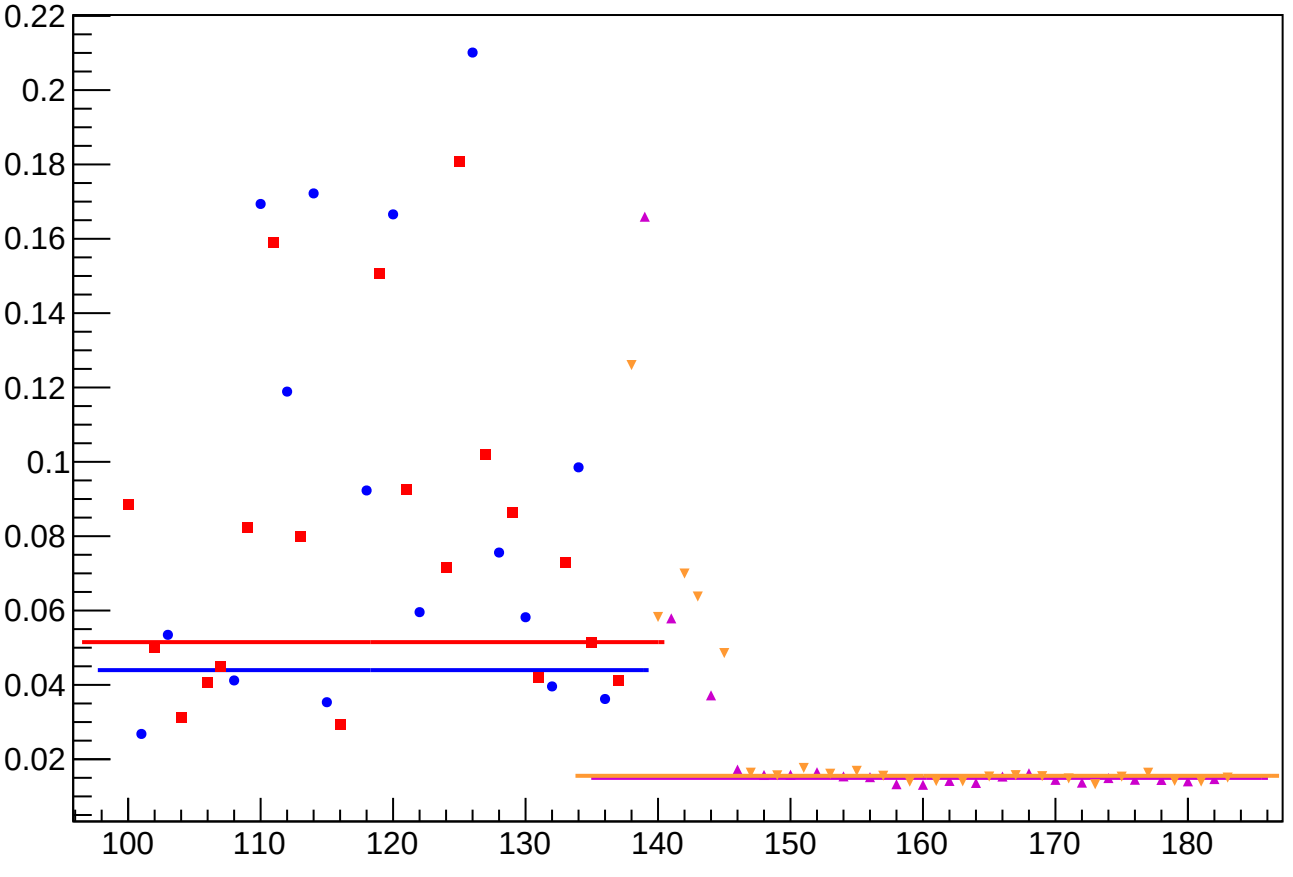
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.361+/-0.000 χ^2/NDF:69084188064.9/37

Out: 1.464+/-0.000 χ^2/NDF:69283347435.5/42

All: 1.412+/-0.000 χ^2/NDF: 138694881894.1

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:2984217.7/23

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: 5185706.1/45

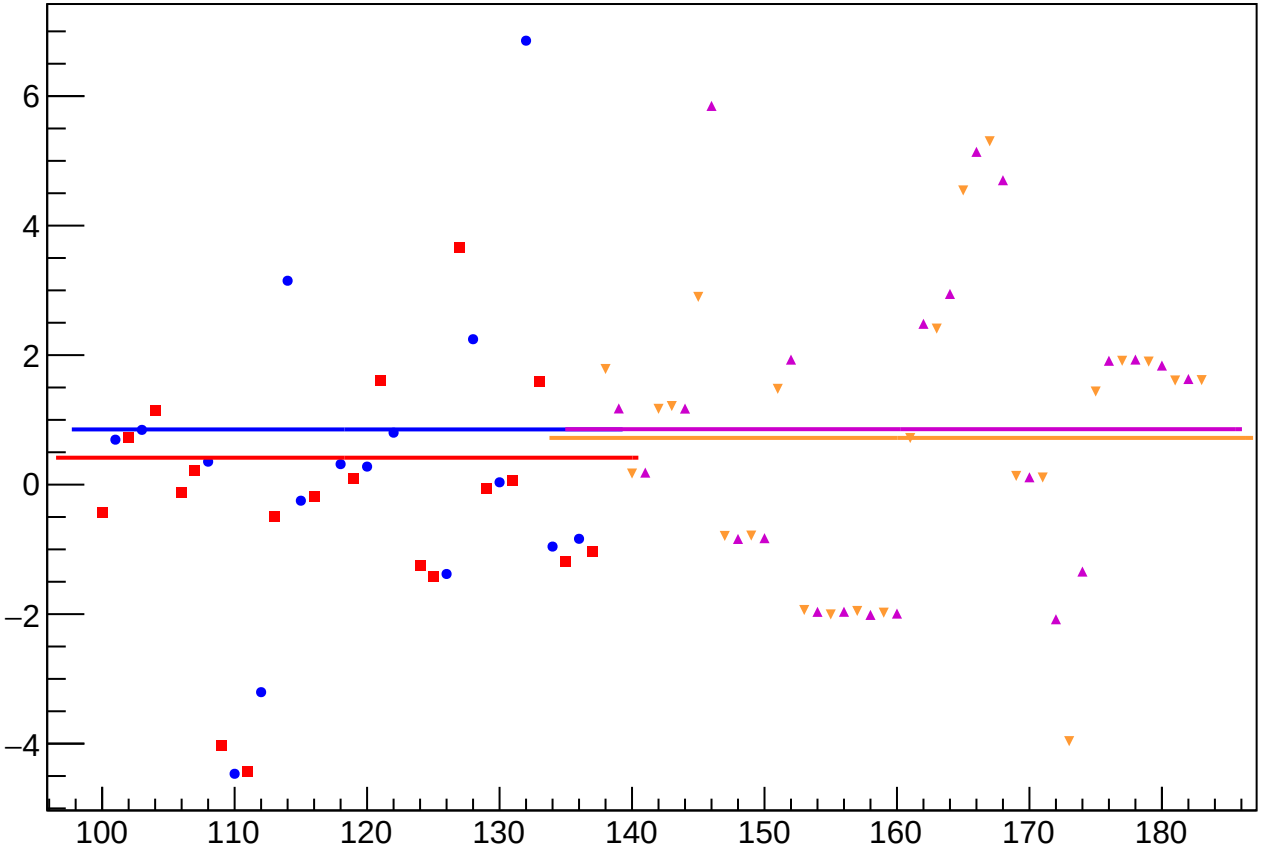
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.016+/-0.000 χ^2/NDF:8200582.1/37

Out: 0.017+/-0.000 χ^2/NDF:9494542.8/42

All: 0.016+/-0.000 χ^2/NDF: 17718331.5/80

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.721+/-0.000 χ^2/NDF:534640169531.1/23

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: 0.789+/-0.000 χ^2/NDF: 1154456298912.2/45

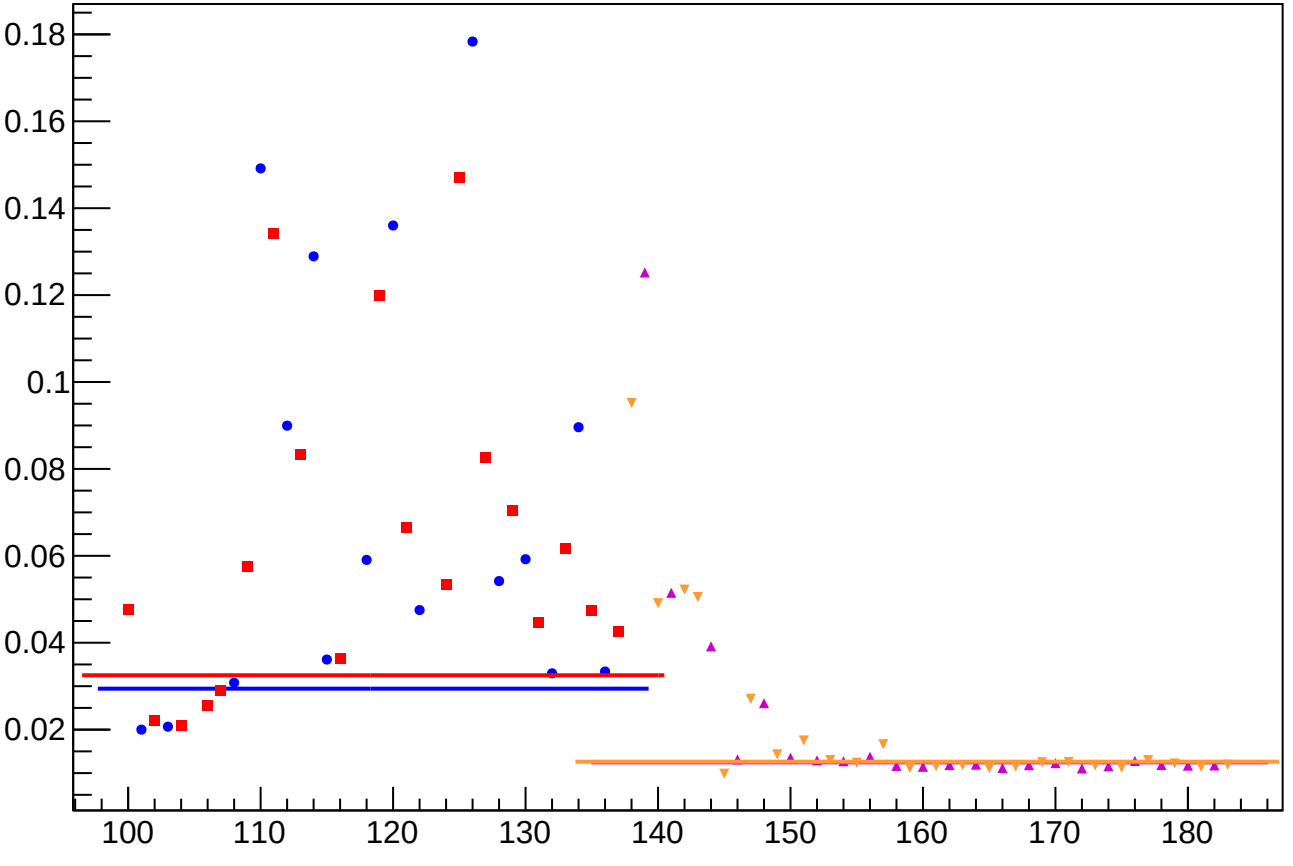
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.856+/-0.000 χ^2/NDF:630507853563.5/37

Out: 0.710+/-0.000 χ^2/NDF:540112514988.7/42

All: 0.783+/-0.000 χ^2/NDF: 1171707053165.

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:3191256.4/23

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: 5948592.2/45

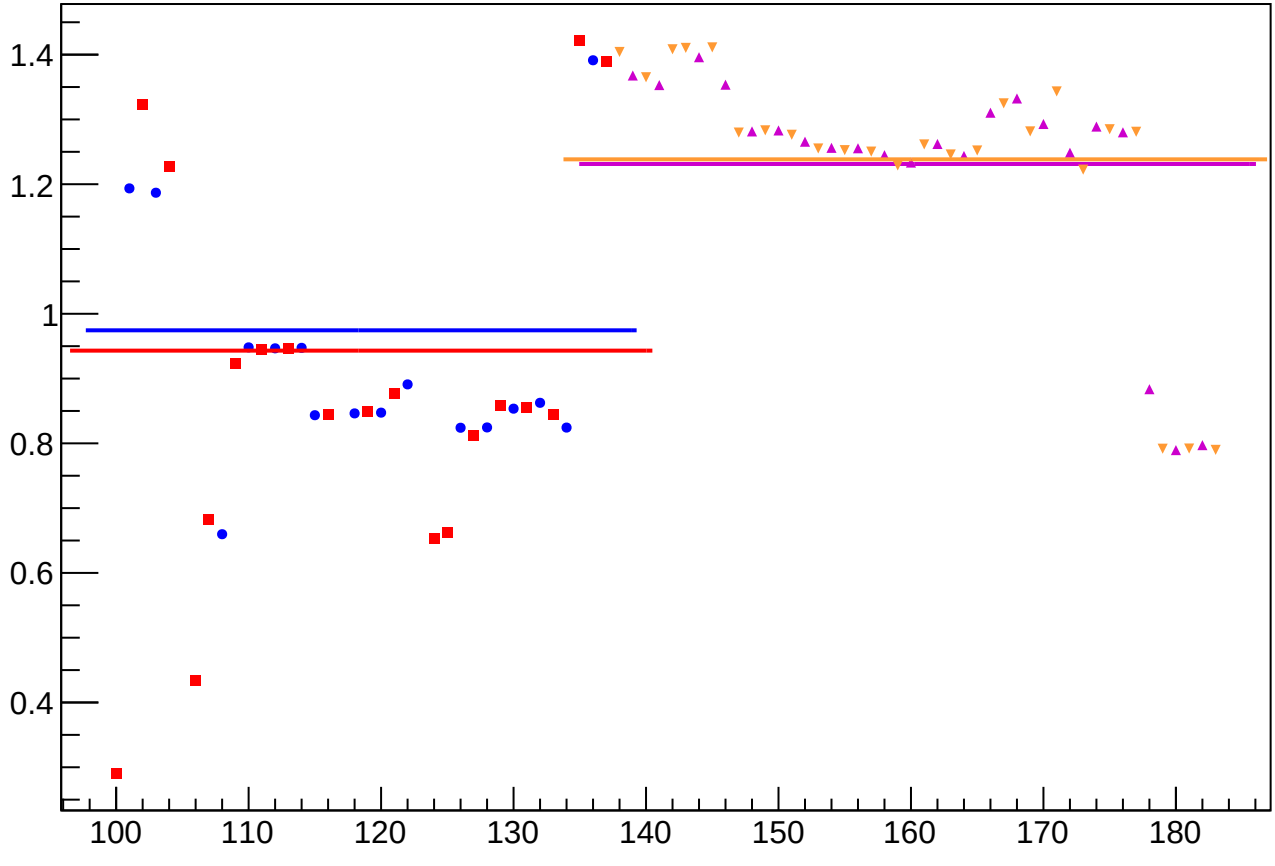
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.013+/-0.000 χ^2/NDF:8293975.5/37

Out: 0.013+/-0.000 χ^2/NDF:9474962.0/42

All: 0.013+/-0.000 χ^2/NDF: 17773311.8/80

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.238+/-0.000 χ^2/NDF:2846281595.0/23

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: 1.235+/-0.000 χ^2/NDF: 5244731728.6/45

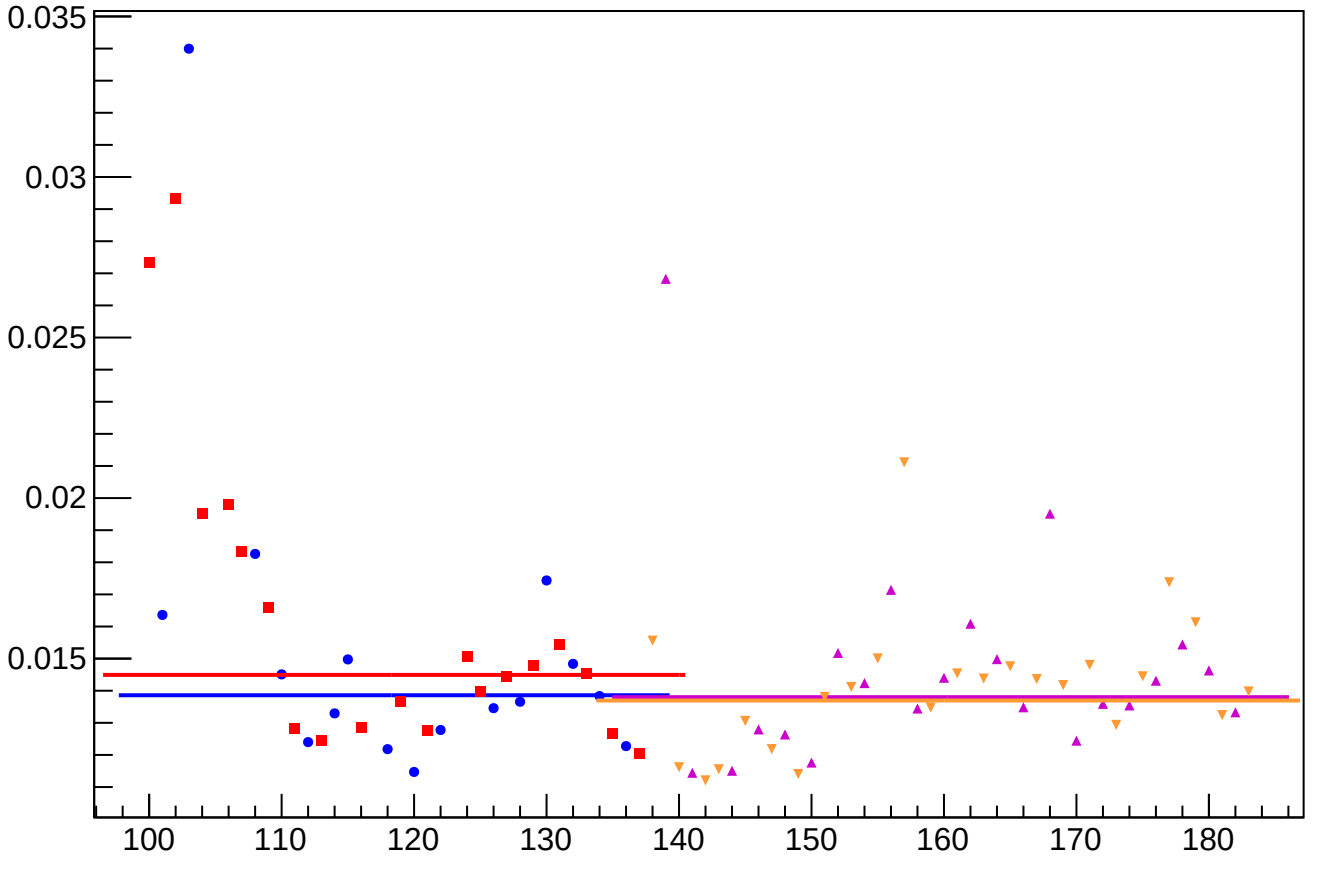
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.160+/-0.000 χ^2/NDF:5394353204.3/37

Out: 1.163+/-0.000 χ^2/NDF:6499793047.1/42

All: 1.161+/-0.000 χ^2/NDF: 11894814956.8/8

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:542389.2/23

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: 1413096.9/45

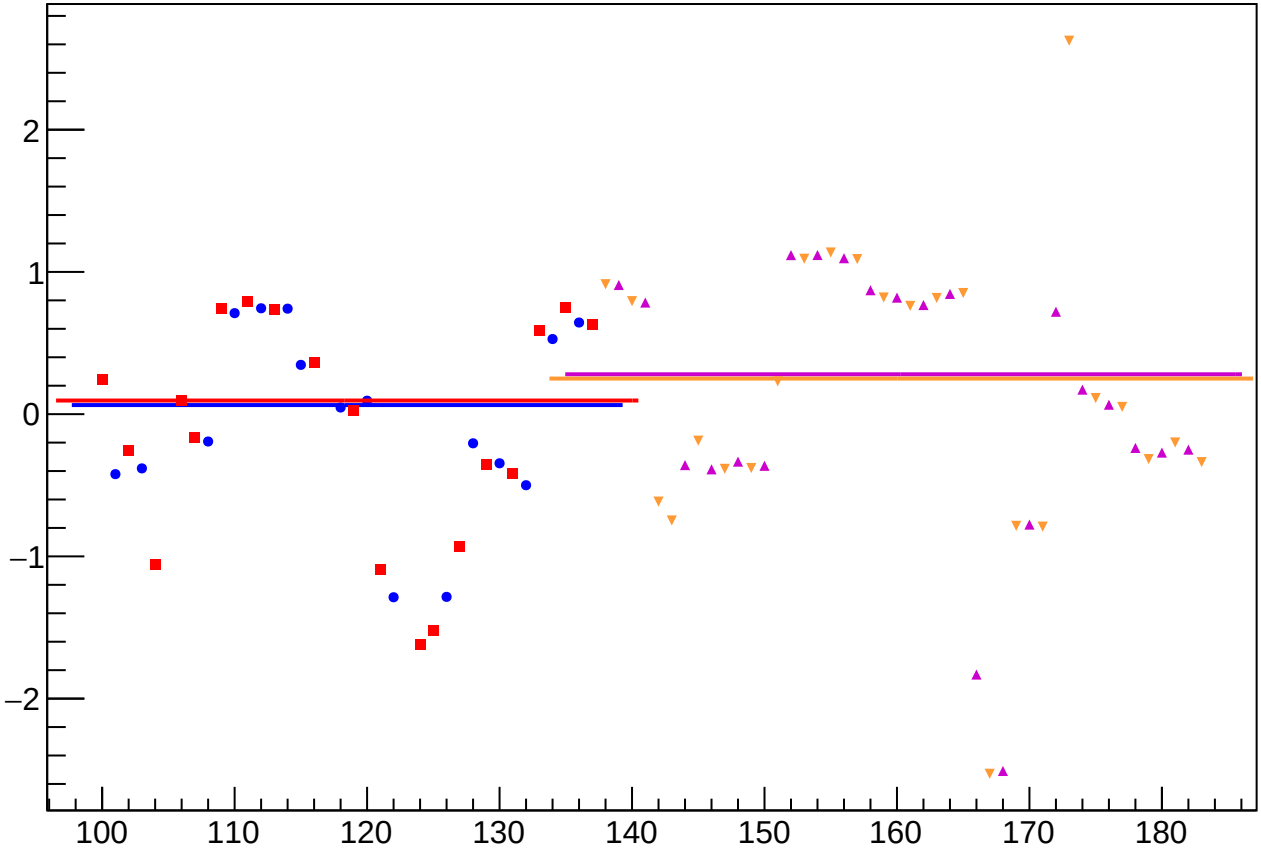
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1469923.3/37

Out: 0.014+/-0.000 χ^2/NDF:1115655.0/42

All: 0.014+/-0.000 χ^2/NDF: 2586389.5/80

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.250+/-0.000 χ^2/NDF:105107579646.0/23

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: 0.265+/-0.000 χ^2/NDF: 194980980654.3/45

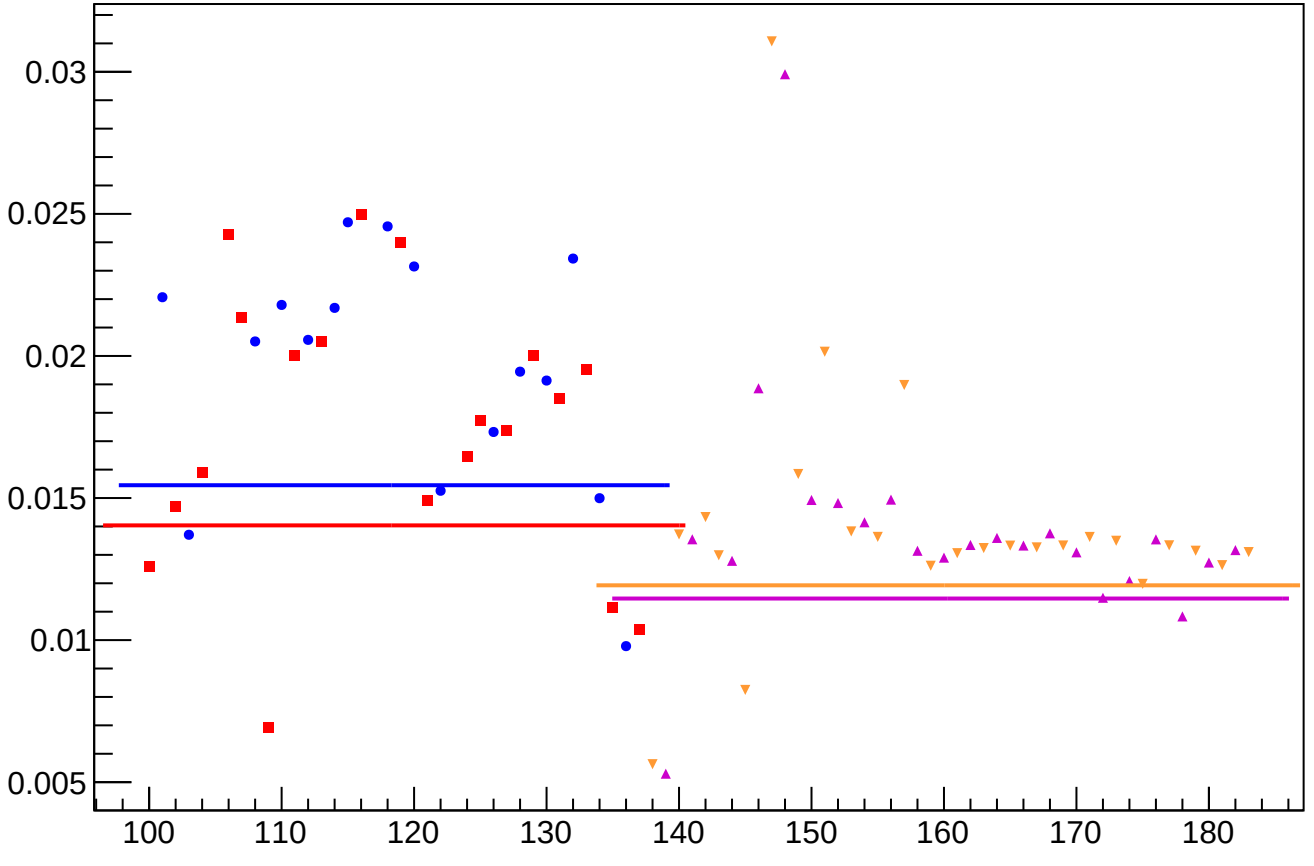
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.242+/-0.000 χ^2/NDF:101825176543.6/37

Out: 0.219+/-0.000 χ^2/NDF:123458077363.7/42

All: 0.230+/-0.000 χ^2/NDF: 225321543514.5

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:3257355.8/23

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: 6942913.8/45

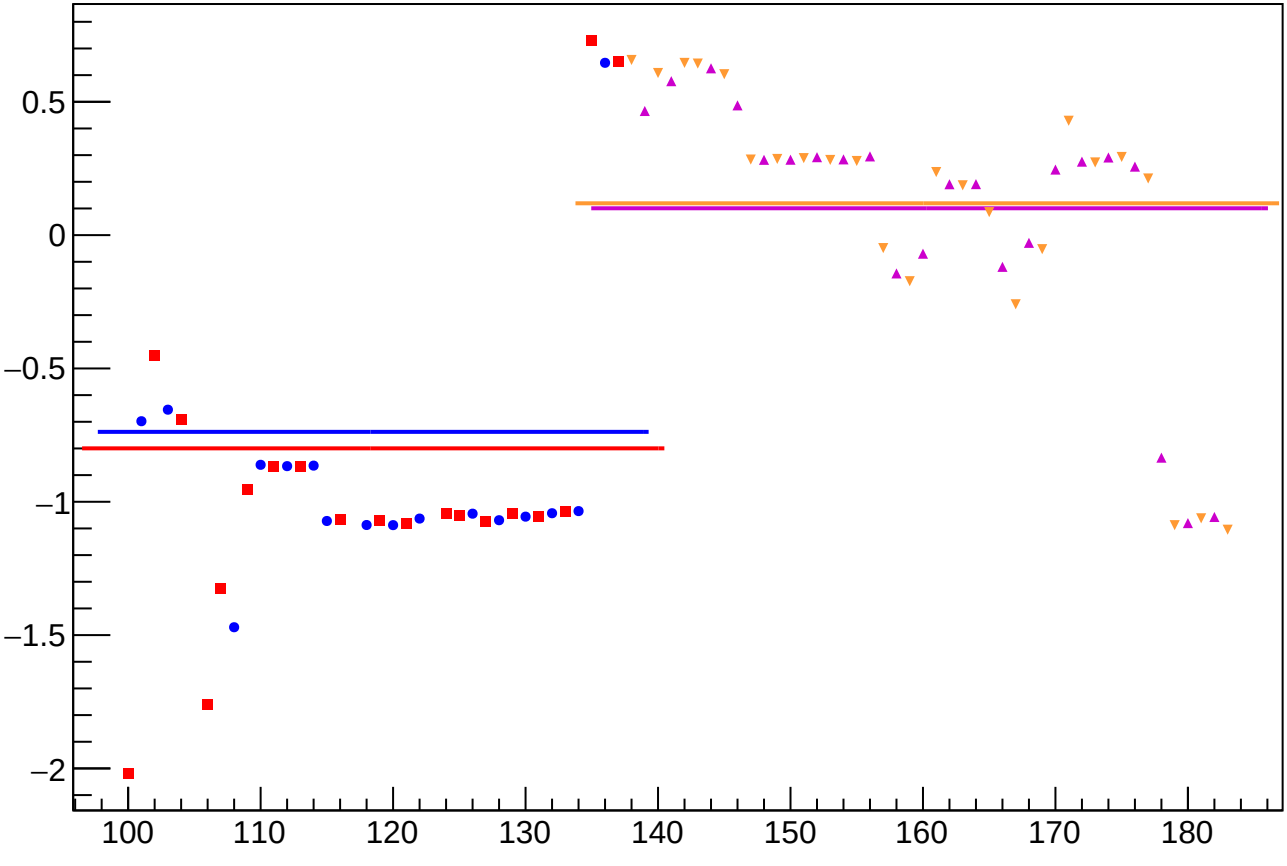
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5612110.1/37

Out: 0.012+/-0.000 χ^2/NDF:5155178.6/42

All: 0.012+/-0.000 χ^2/NDF: 10772294.3/80

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.119+/-0.000 χ^2/NDF:3554508911.9/23

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: 0.110+/-0.000 χ^2/NDF: 6508661996.6/45

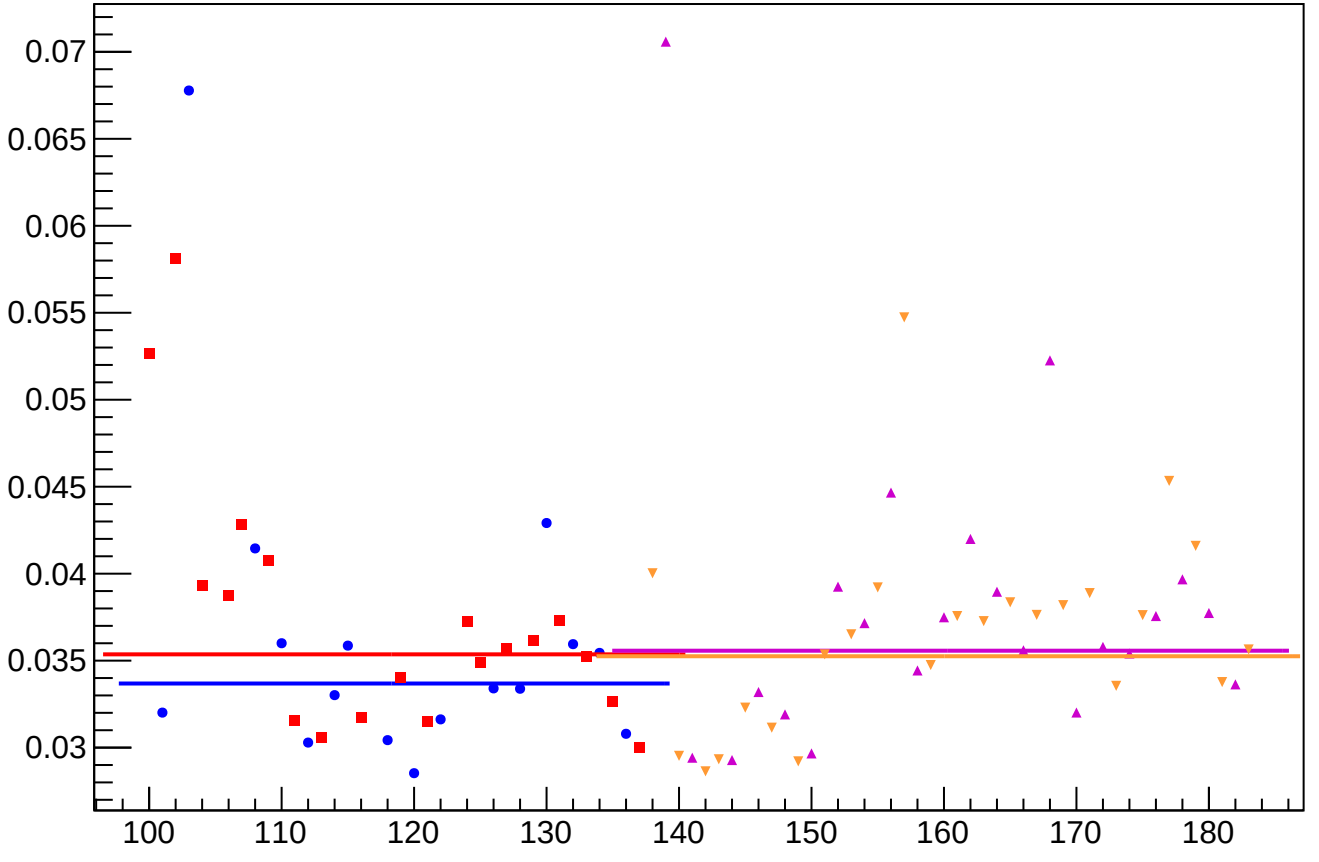
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.157+/-0.000 χ^2/NDF:7728851618.1/37

Out: -0.137+/-0.000 χ^2/NDF:8586058852.9/42

All: -0.147+/-0.000 χ^2/NDF: 16318500066.8/

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:606464.5/23

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: 1568056.0/45

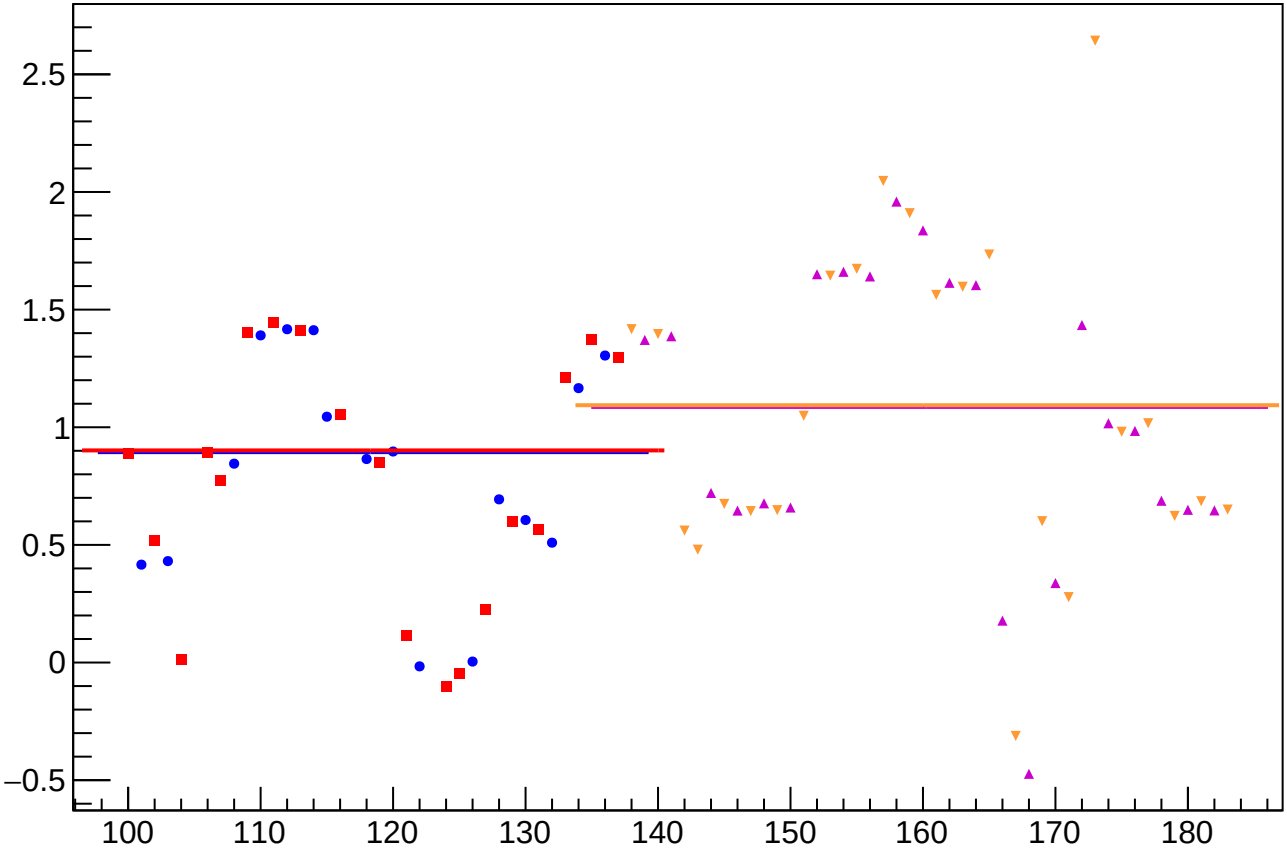
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.035+/-0.000 χ^2/NDF:1407878.7/37

Out: 0.035+/-0.000 χ^2/NDF:902907.7/42

All: 0.035+/-0.000 χ^2/NDF: 2312344.8/80

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.094+/-0.000 χ^2/NDF:93286496592.1/23

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: 1.090+/-0.000 χ^2/NDF: 166675366955.0/45

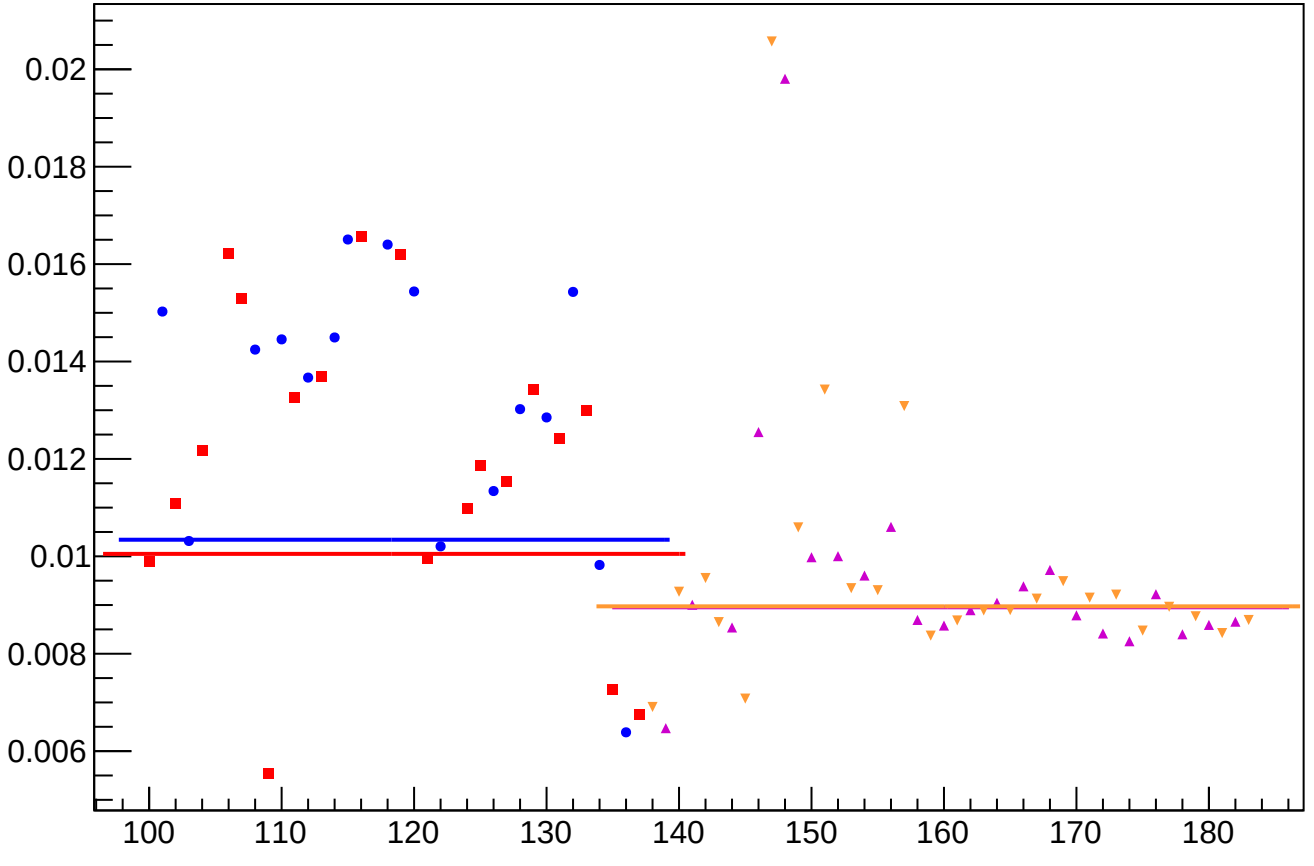
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.046+/-0.000 χ^2/NDF:87756783253.9/37

Out: 1.053+/-0.000 χ^2/NDF:112928422301.9/42

All: 1.049+/-0.000 χ^2/NDF: 200691350841.1

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:1146497.3/23

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: 2112608.7/45

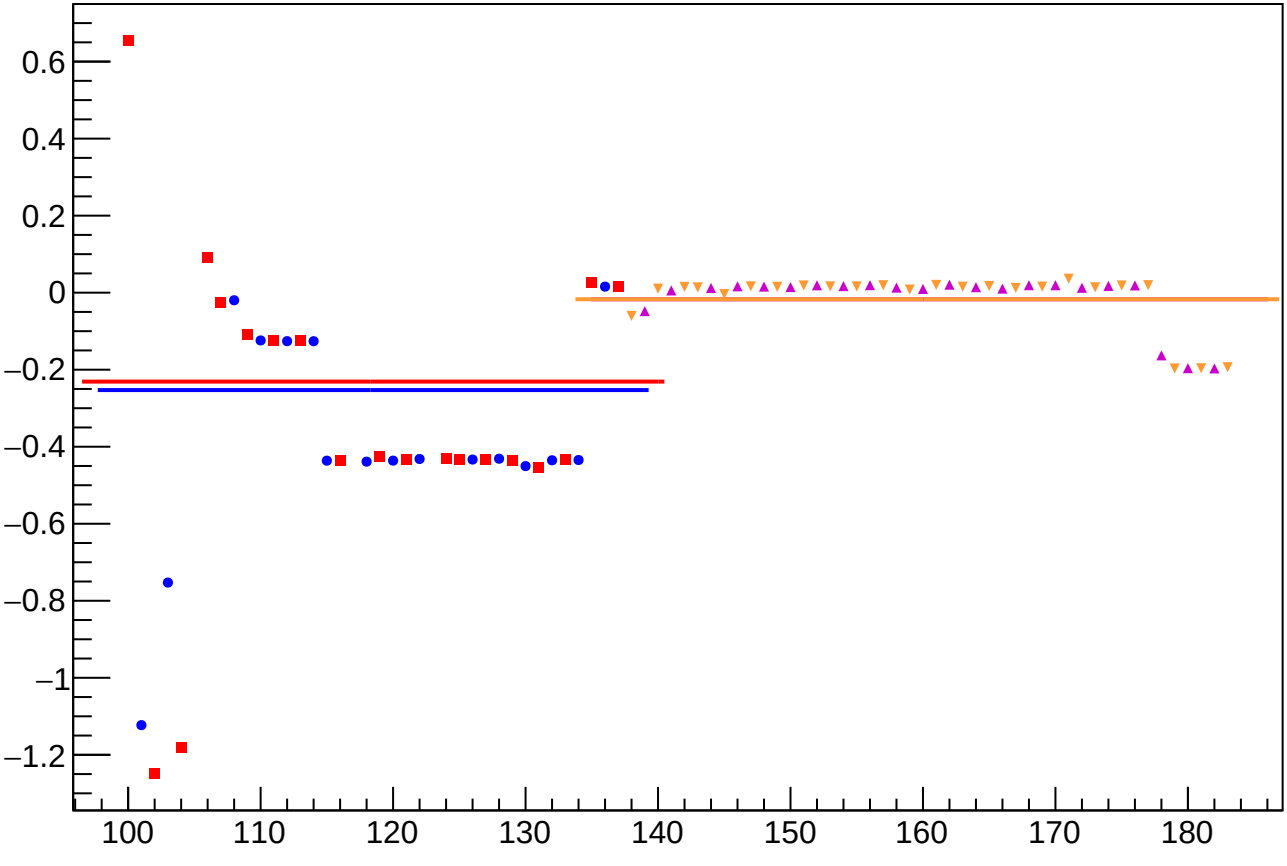
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2485865.0/37

Out: 0.009+/-0.000 χ^2/NDF:2593270.7/42

All: 0.009+/-0.000 χ^2/NDF: 5079634.1/80

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: -0.017+/-0.000 χ^2/NDF:990291513.2/23

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: -0.017+/-0.000 χ^2/NDF: 1891593999.4/45

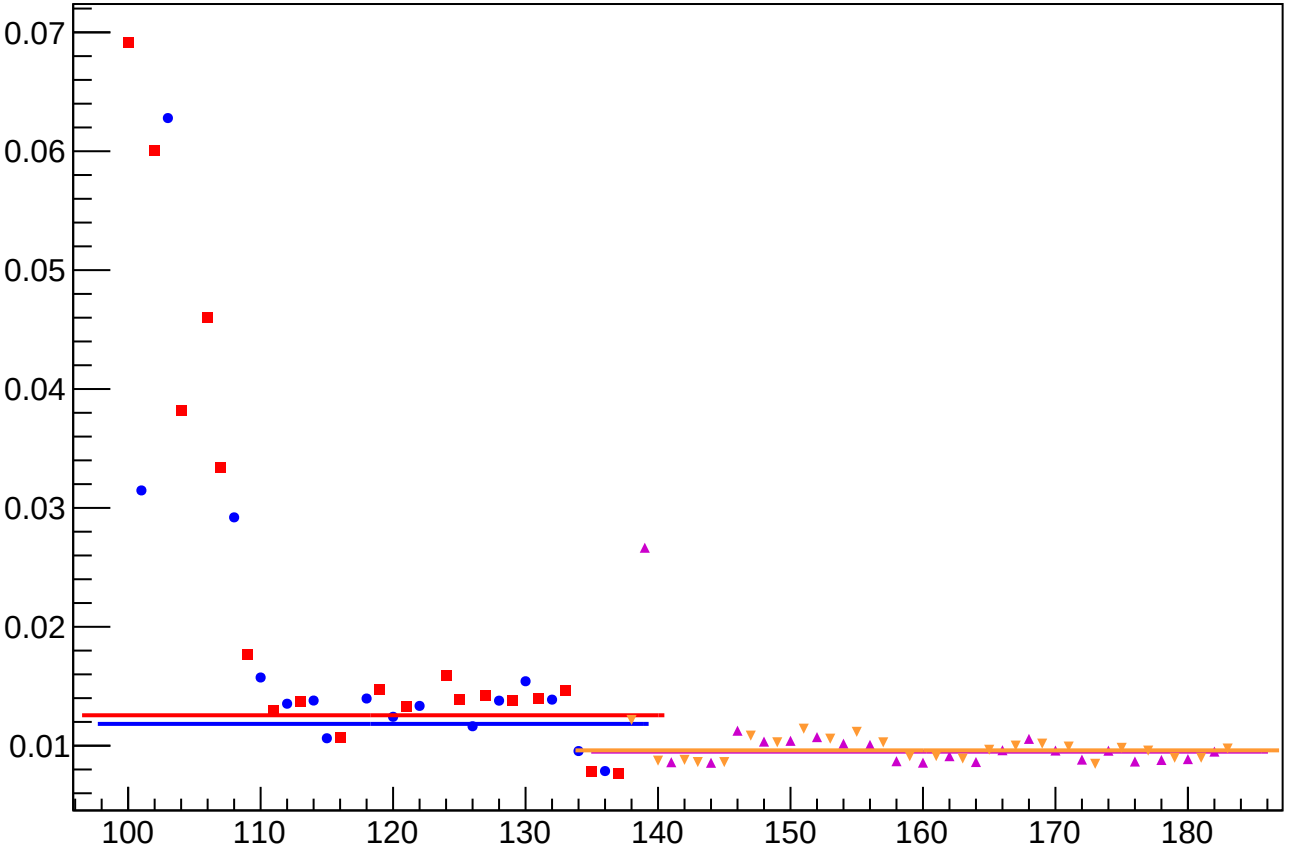
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.059+/-0.000 χ^2/NDF:4551721882.6/37

Out: -0.050+/-0.000 χ^2/NDF:4027969964.0/42

All: -0.054+/-0.000 χ^2/NDF: 8587666483.3/8

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:270189.8/23

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: 1172643.0/45

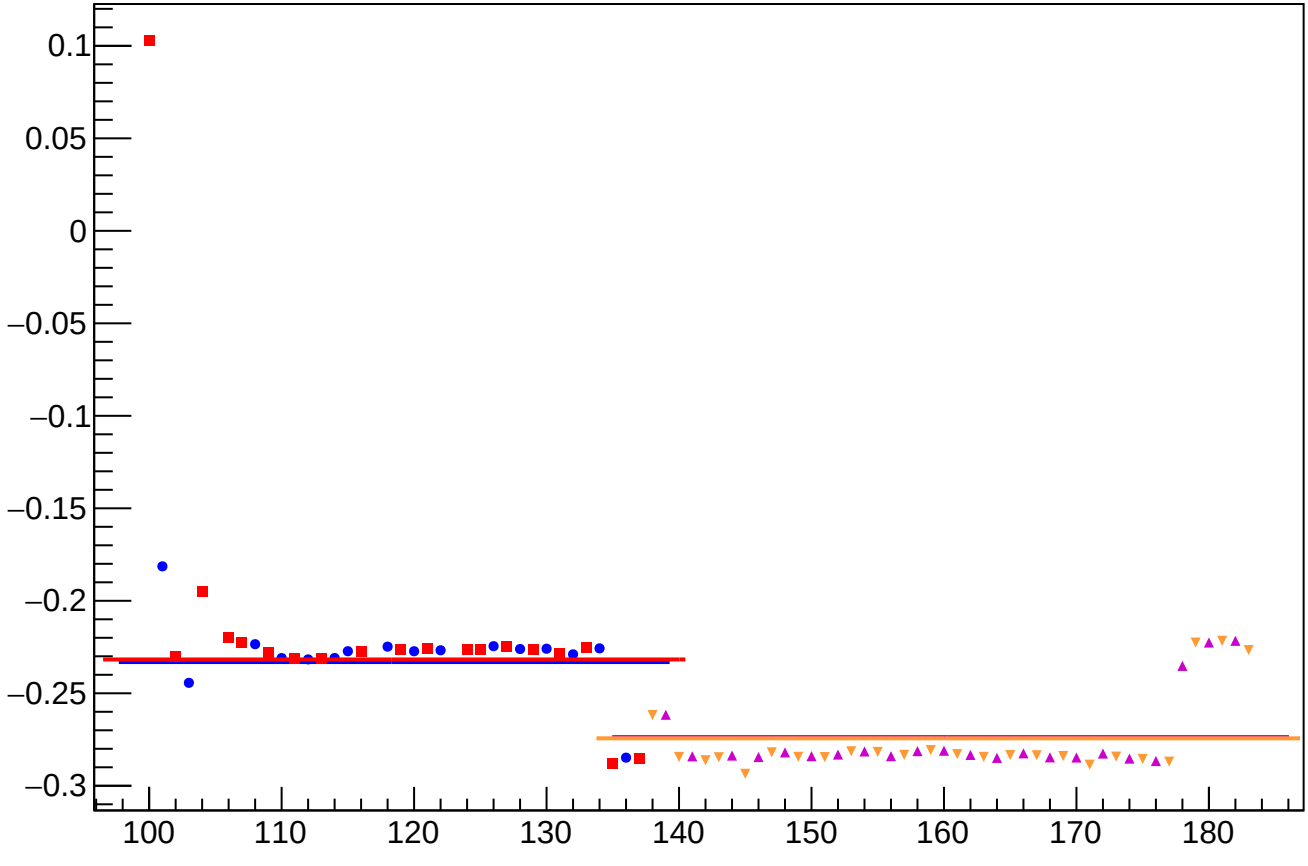
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3161917.6/37

Out: 0.010+/-0.000 χ^2/NDF:2955929.5/42

All: 0.010+/-0.000 χ^2/NDF: 6122467.2/80

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.274+/-0.000 χ^2/NDF:368100401.6/23

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: -0.274+/-0.000 χ^2/NDF: 672517608.4/45

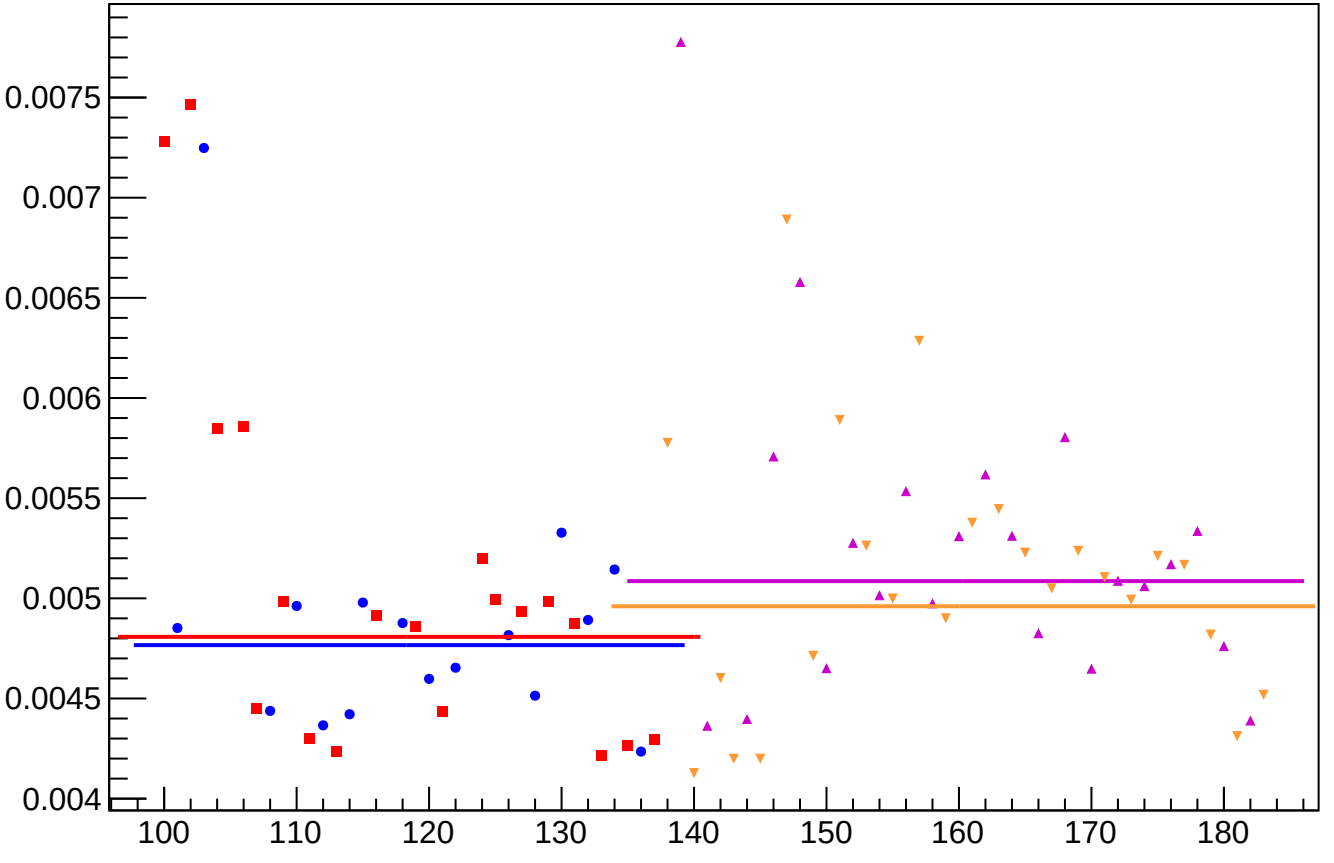
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.261+/-0.000 χ^2/NDF:828343707.9/37

Out: -0.262+/-0.000 χ^2/NDF:1031762162.1/42

All: -0.262+/-0.000 χ^2/NDF: 1860395816.3/8

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:519901.0/23

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: 1048617.7/45

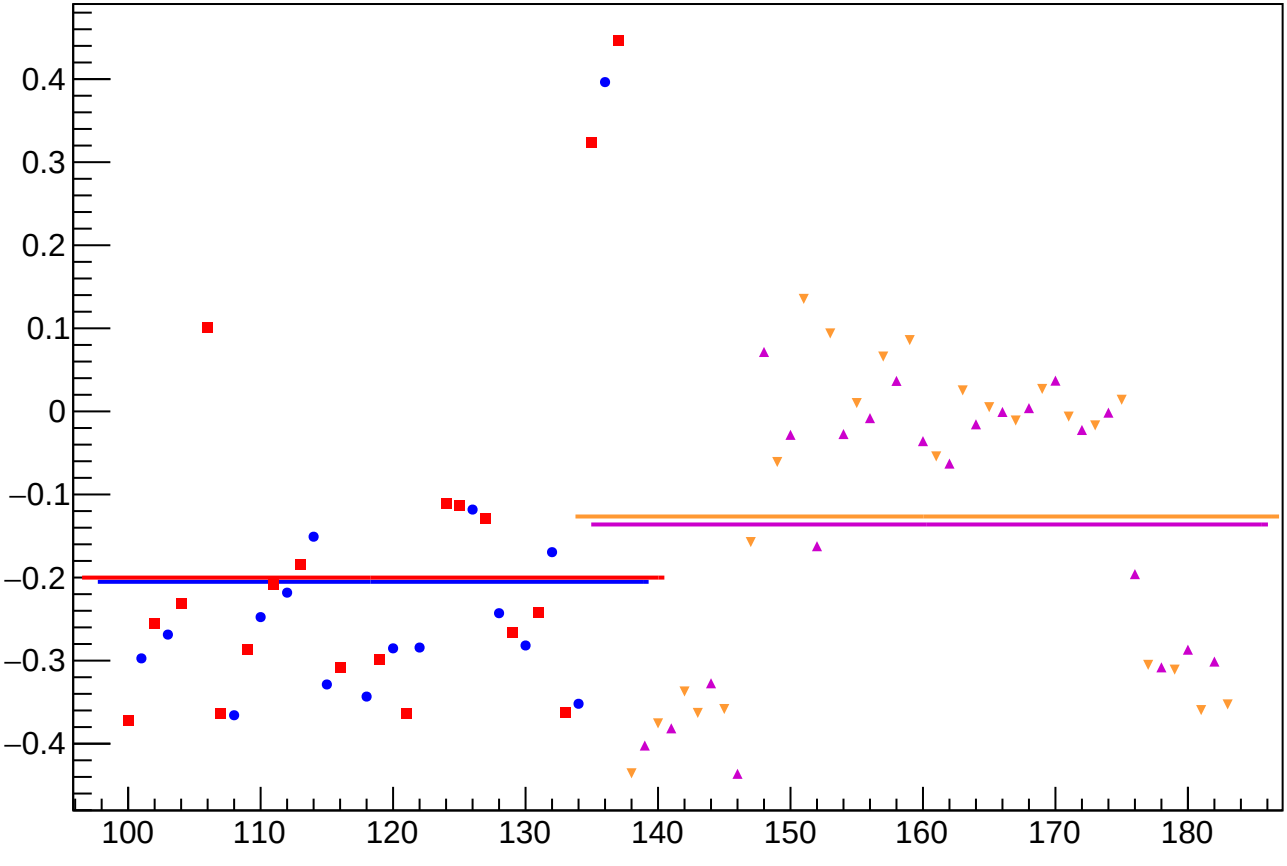
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:750014.8/37

Out: 0.005+/-0.000 χ^2/NDF:823312.3/42

All: 0.005+/-0.000 χ^2/NDF: 1578440.0/80

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.127+/-0.000 χ^2/NDF:20911827058.3/23

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: -0.131+/-0.000 χ^2/NDF: 35557761462.2/45

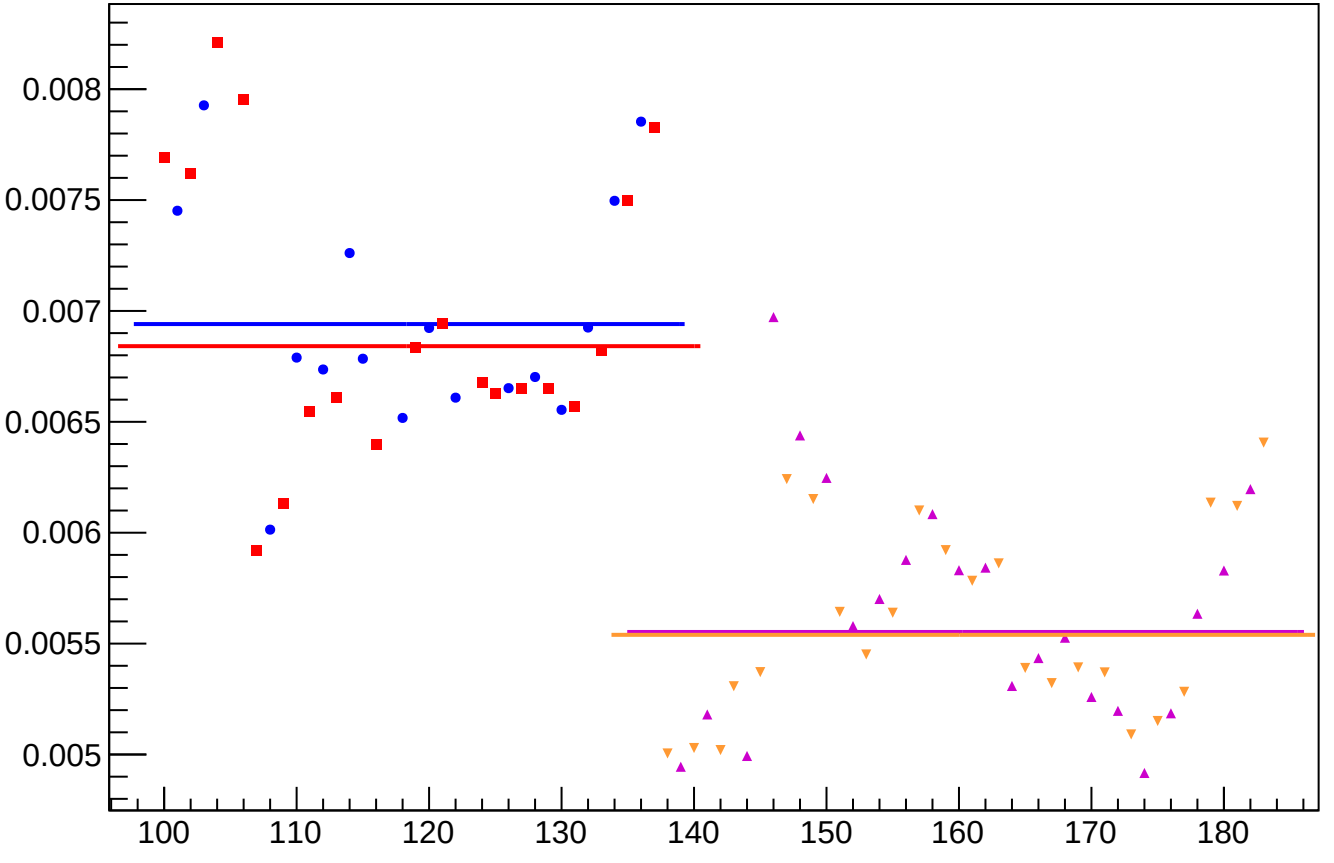
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.151+/-0.000 χ^2/NDF:21358527198.6/37

Out: -0.142+/-0.000 χ^2/NDF:26822738789.1/42

All: -0.146+/-0.000 χ^2/NDF: 48209271729.3/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:198067.4/23

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: 456421.7/45

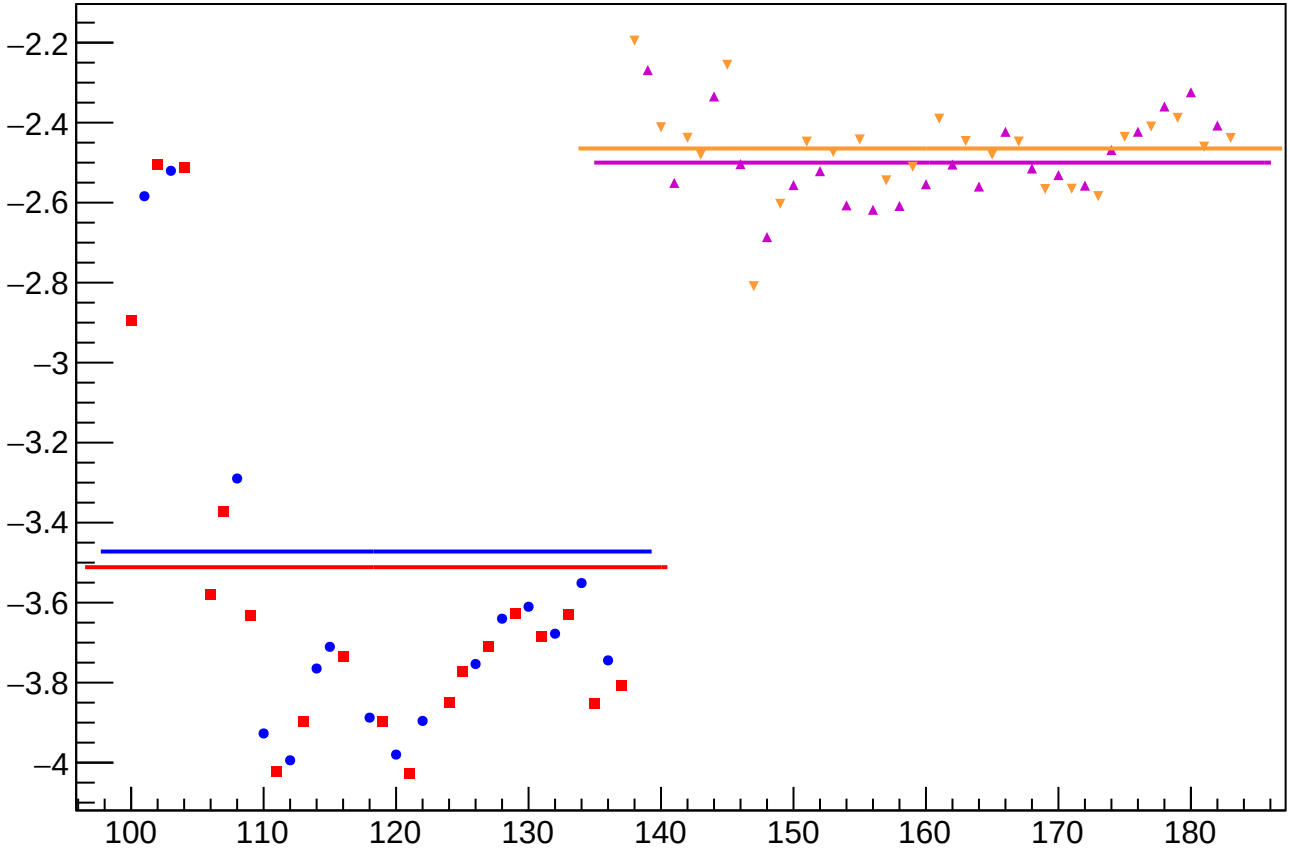
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:788436.6/37

Out: 0.006+/-0.000 χ^2/NDF:711973.2/42

All: 0.006+/-0.000 χ^2/NDF: 1501242.1/80

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.465+/-0.000 χ^2/NDF:2164593901.1/23

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: -2.482+/-0.000 χ^2/NDF: 4573331291.2/45

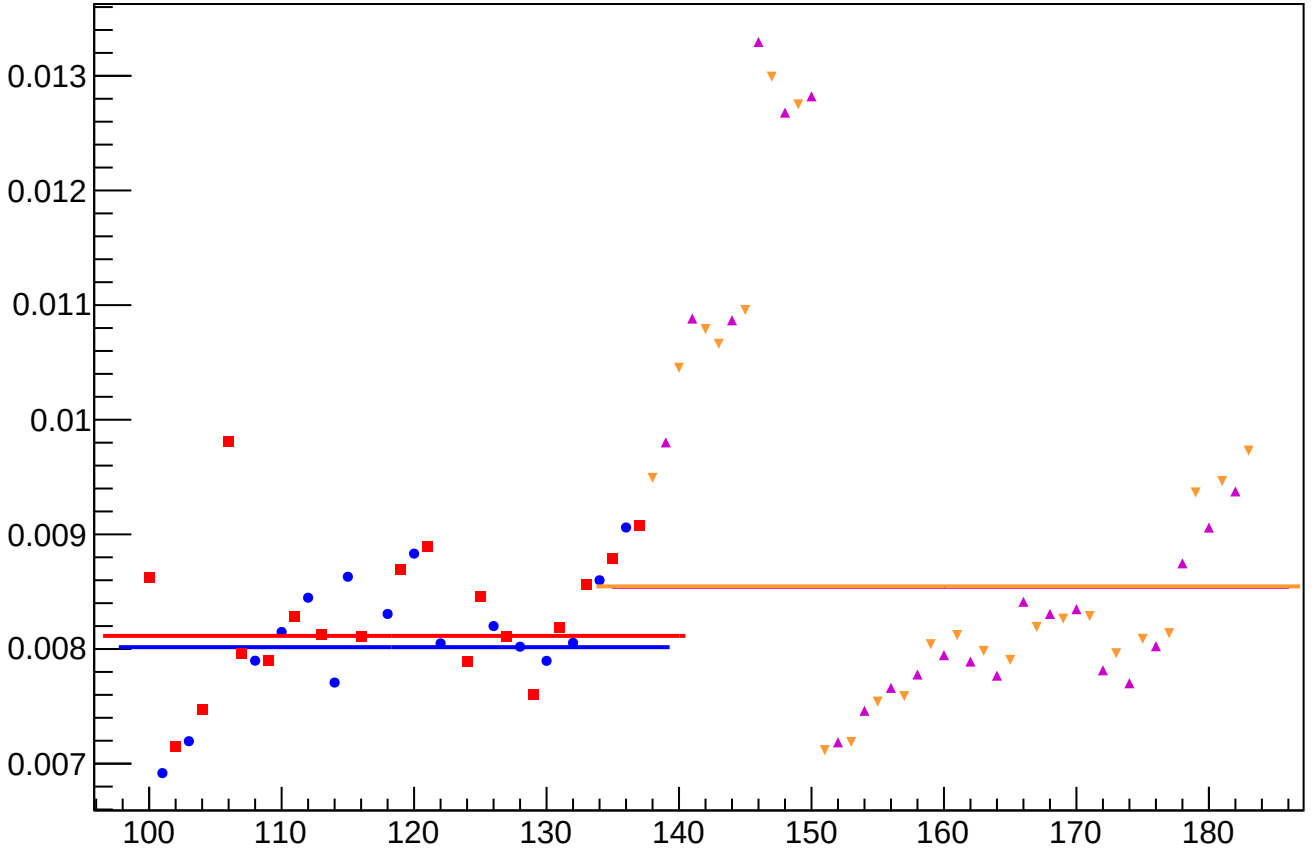
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -2.812+/-0.000 χ^2/NDF:101672437347.5/37

Out: -2.786+/-0.000 χ^2/NDF:113942651377.5/42

All: -2.799+/-0.000 χ^2/NDF: 215731609730.

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:817864.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.009+/-0.000 χ^2/NDF:909997.1/21

Left: 0.009+/-0.000 χ^2/NDF: 1727868.8/45

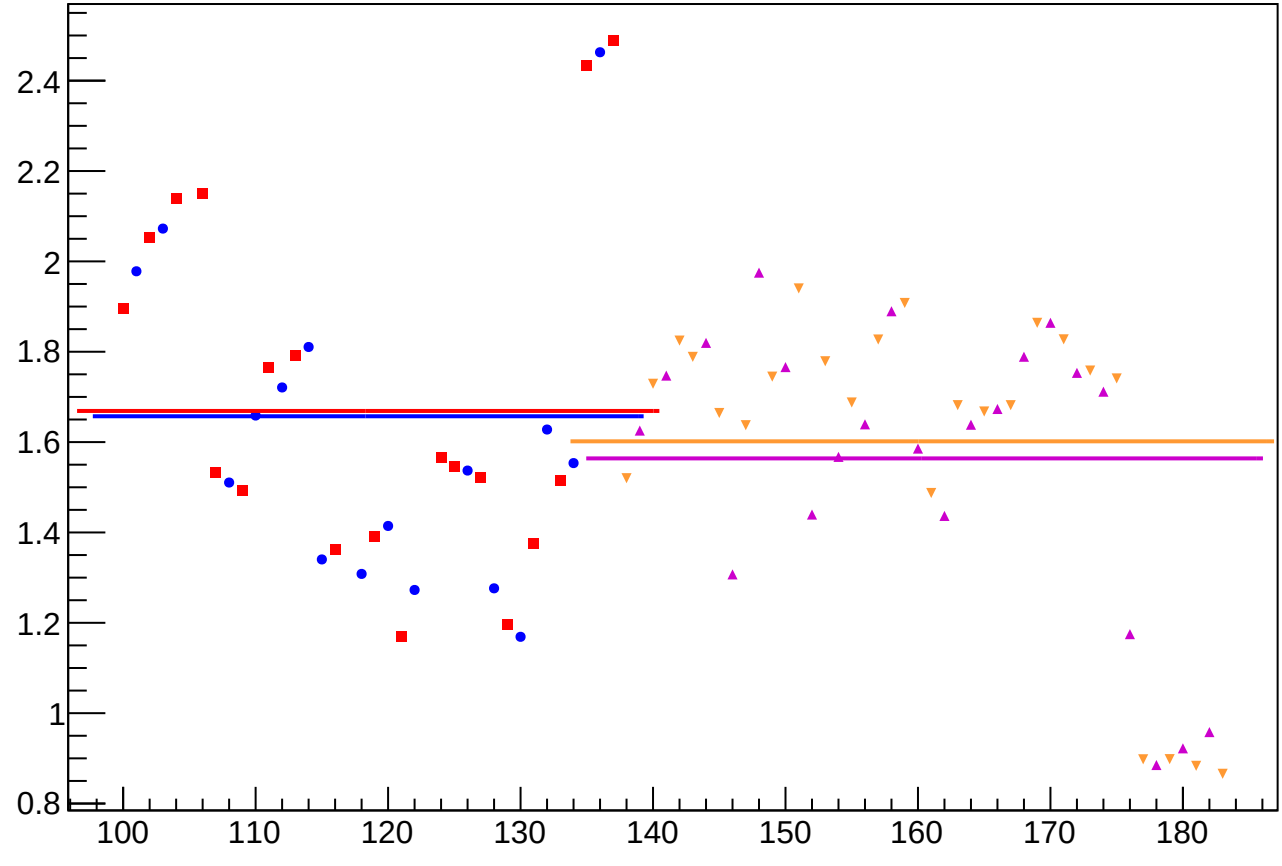
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:1036896.1/37

Out: 0.008+/-0.000 χ^2/NDF:916846.1/42

All: 0.008+/-0.000 χ^2/NDF: 1954334.7/80

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.602+/-0.000 χ^2/NDF:15884883894.6/23

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: 1.584+/-0.000 χ^2/NDF: 28880325059.3/45

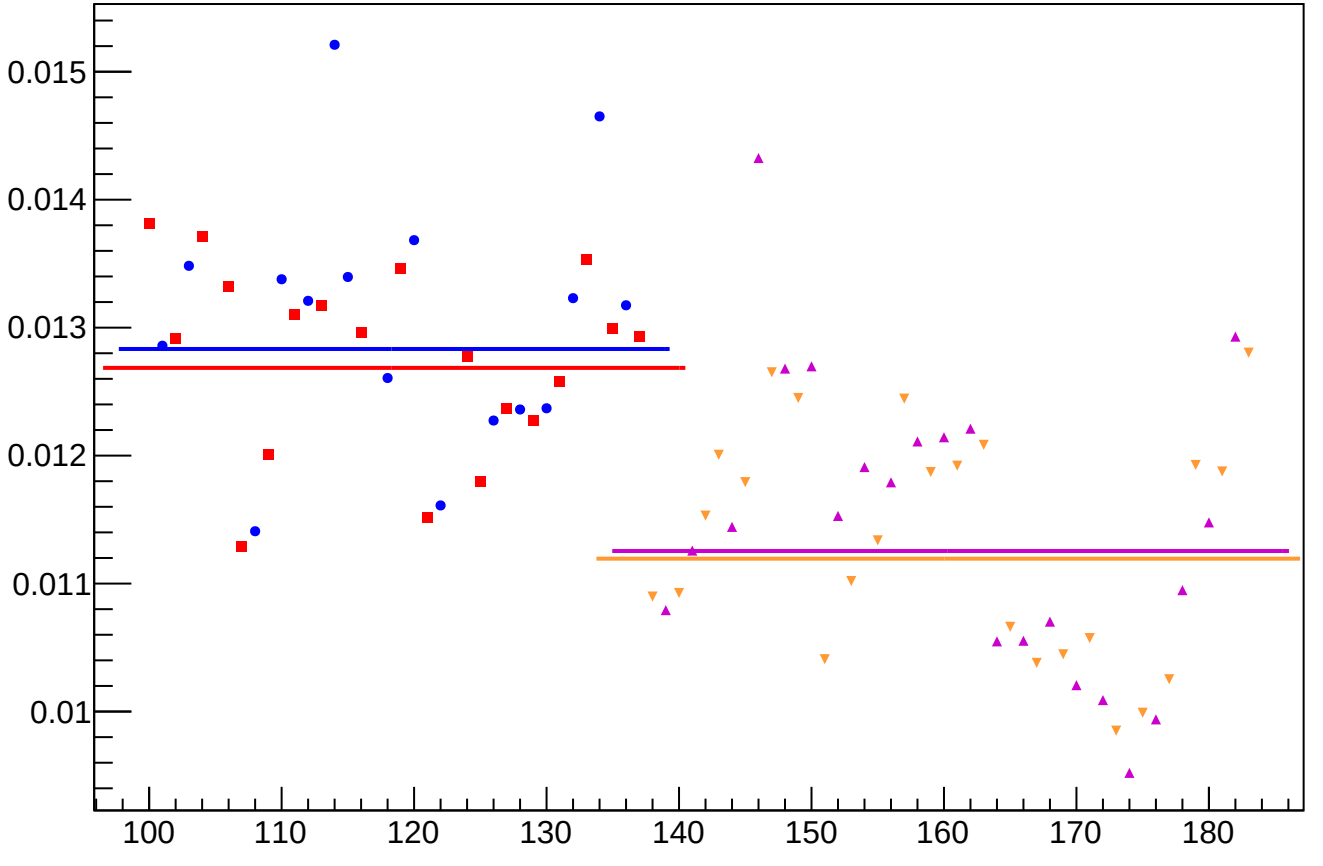
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.586+/-0.000 χ^2/NDF:19843316556.9/37

Out: 1.618+/-0.000 χ^2/NDF:22397281592.9/42

All: 1.603+/-0.000 χ^2/NDF: 42329963815.2/8

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:221997.7/23

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:310626.1/21

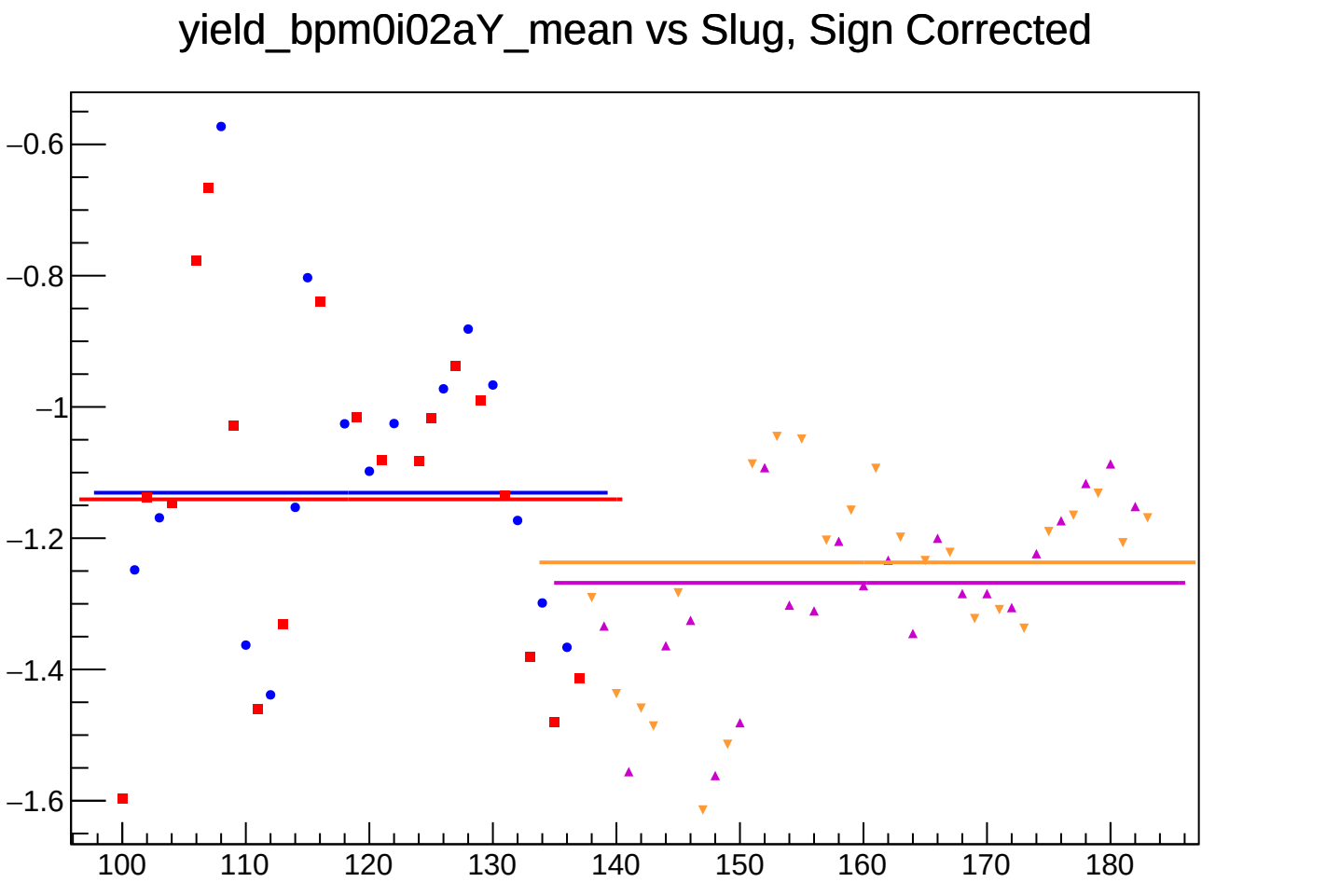
Left: 0.011+/-0.000 χ^2/NDF: 533122.7/45

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:417546.0/42

All: 0.012+/-0.000 χ^2/NDF: 943400.4/80



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.237+/-0.000 χ^2/NDF:4972271975.5/23

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: -1.252+/-0.000 χ^2/NDF: 8741168471.3/45

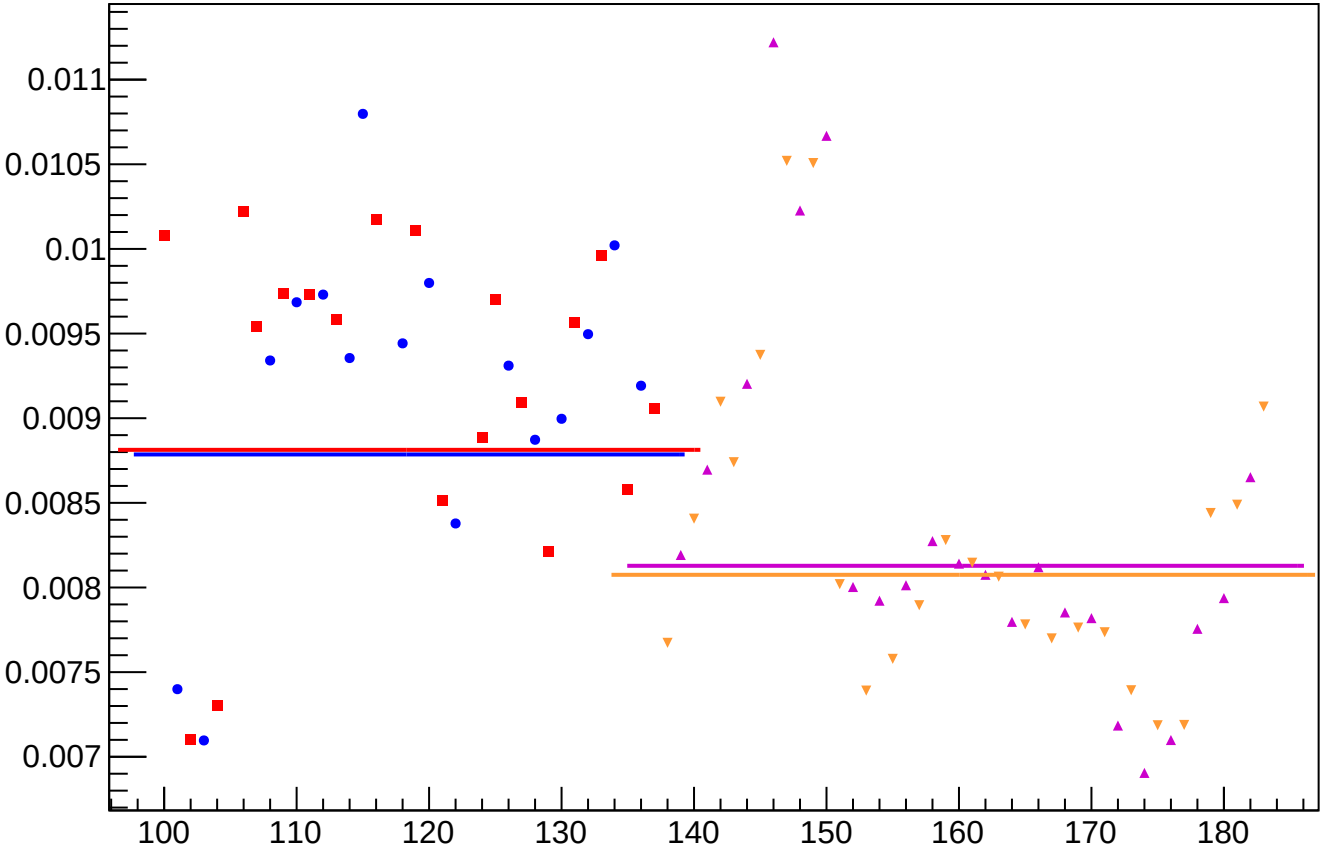
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.233+/-0.000 χ^2/NDF:8671747665.8/37

Out: -1.213+/-0.000 χ^2/NDF:9138282086.7/42

All: -1.223+/-0.000 χ^2/NDF: 17876172029.8/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:321815.3/23

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:409019.2/21

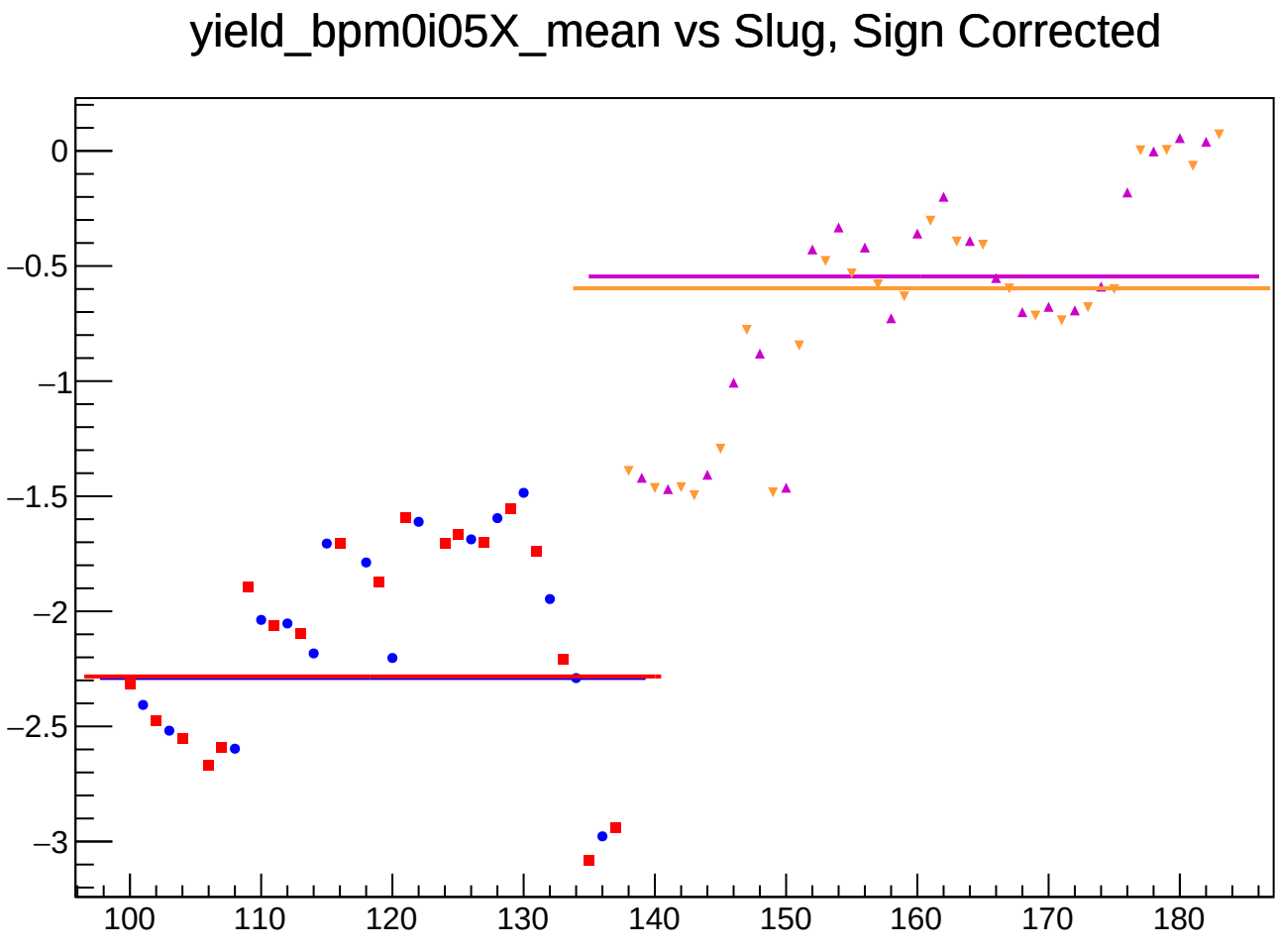
Left: 0.008+/-0.000 χ^2/NDF: 731582.7/45

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:599639.0/42

All: 0.008+/-0.000 χ^2/NDF: 1239662.0/80



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.597+/-0.000 χ^2/NDF:71337477366.0/23

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: -0.572+/-0.000 χ^2/NDF: 140052544941.7/45

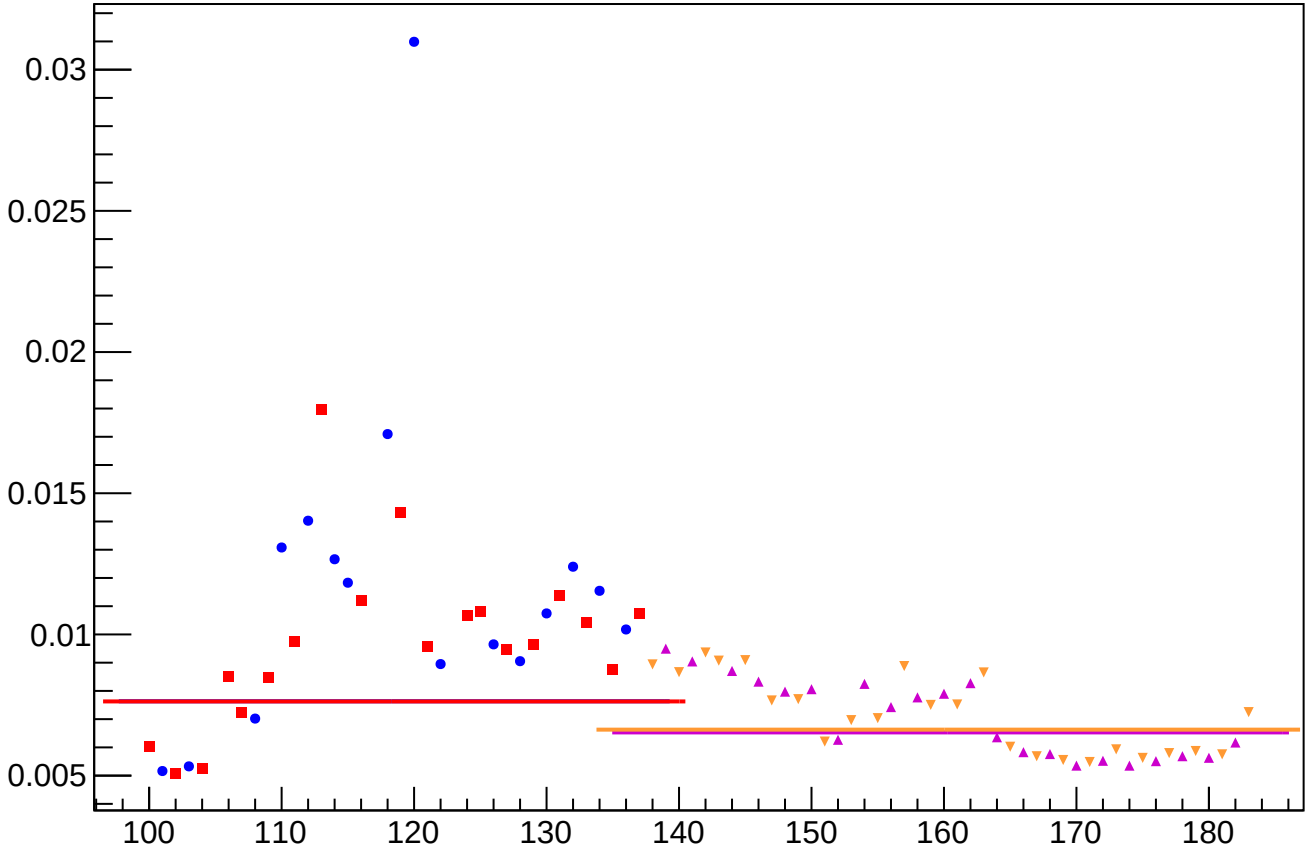
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -0.882+/-0.000 χ^2/NDF:297719960354.2/37

Out: -0.938+/-0.000 χ^2/NDF:304468100448.2/42

All: -0.910+/-0.000 χ^2/NDF: 602913692228.3

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:1068609.5/23

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: 2222459.7/45

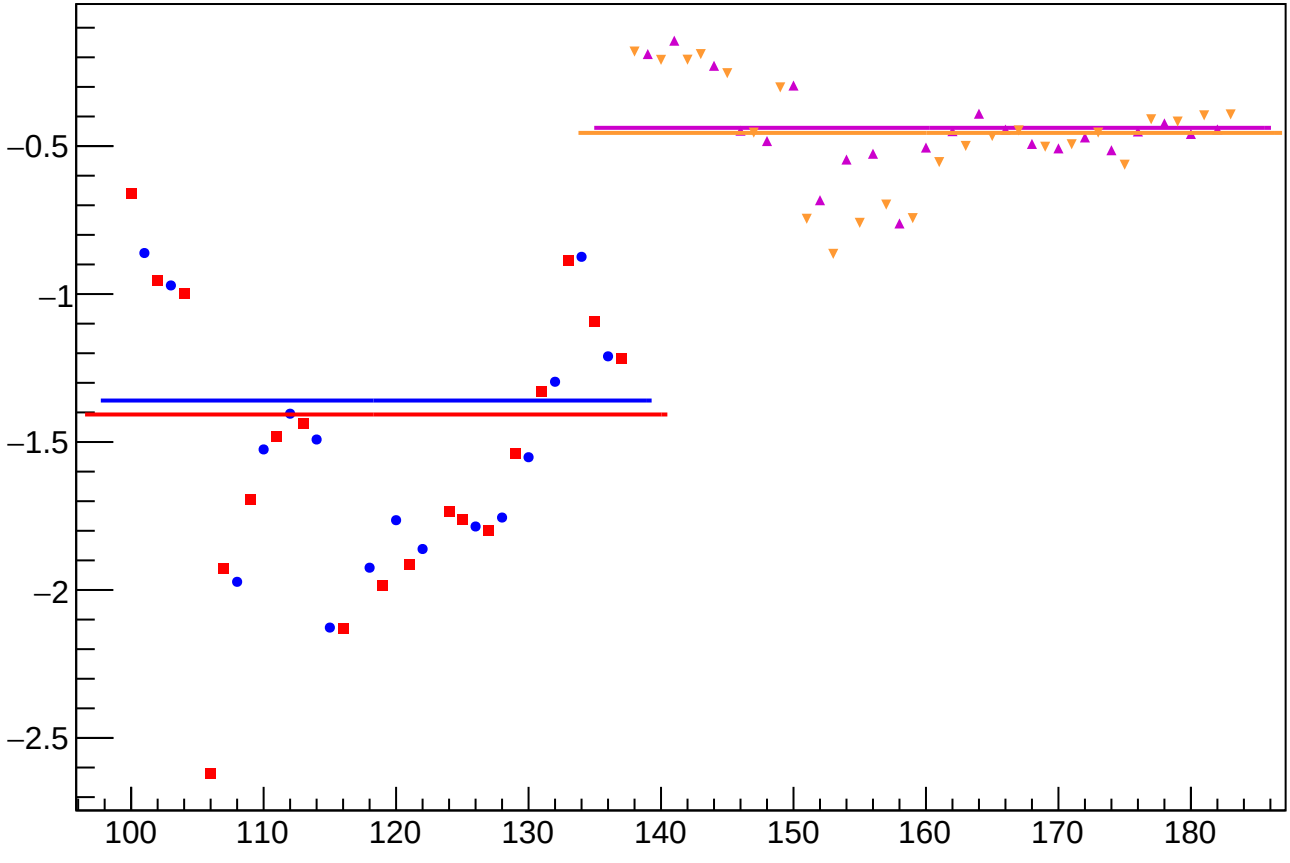
Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.007+/-0.000 χ^2/NDF:3032306.6/37

Out: 0.007+/-0.000 χ^2/NDF:2538095.3/42

All: 0.007+/-0.000 χ^2/NDF: 5573946.9/80

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.455+/-0.000 χ^2/NDF:28894633792.5/23

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.438+/-0.000 χ^2/NDF:16454440541.3/21

Left: -0.447+/-0.000 χ^2/NDF: 45470405043.2/45

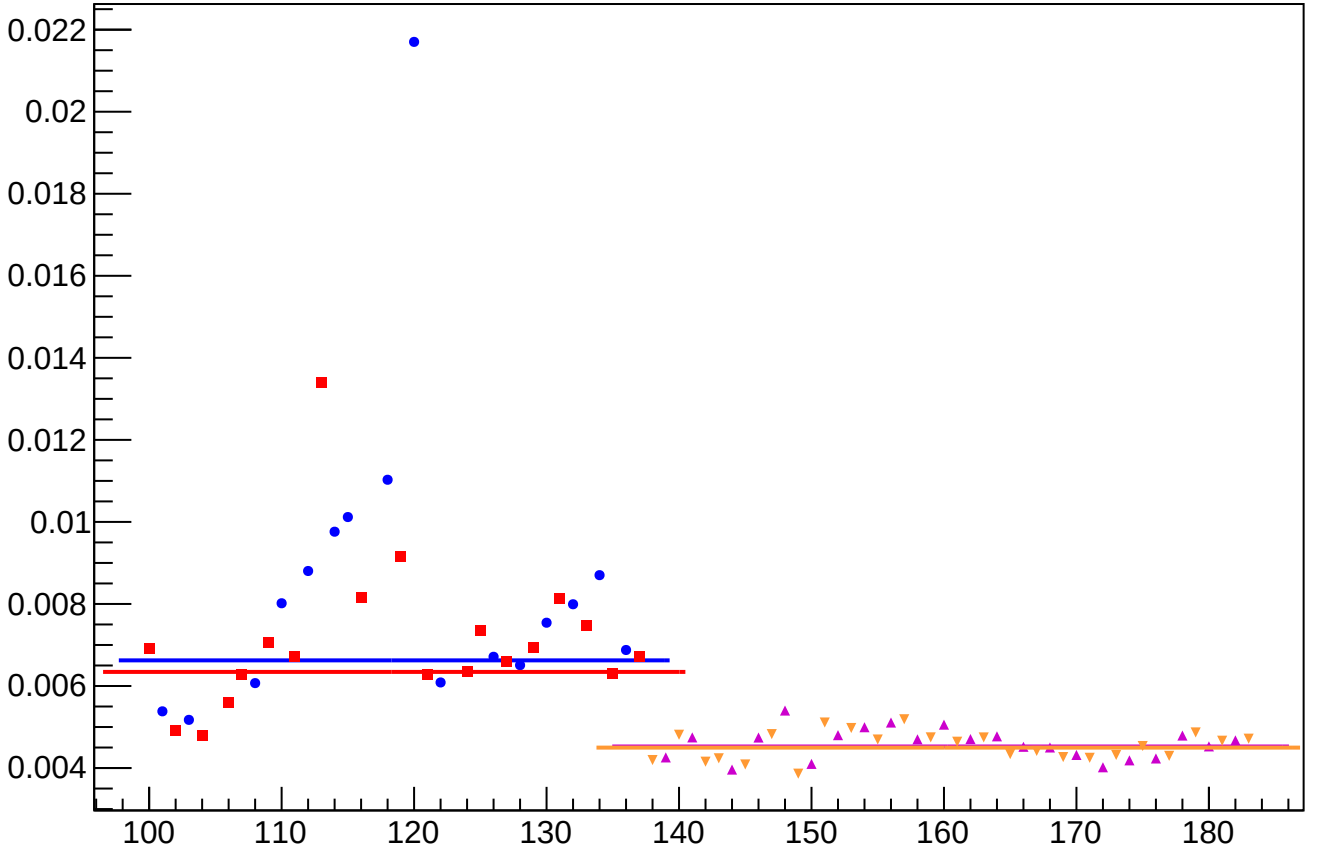
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.569+/-0.000 χ^2/NDF:134103376590.3/37

Out: -0.599+/-0.000 χ^2/NDF:175723261966.4/42

All: -0.584+/-0.000 χ^2/NDF: 310256418469.4

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:188049.7/23

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:210034.8/21

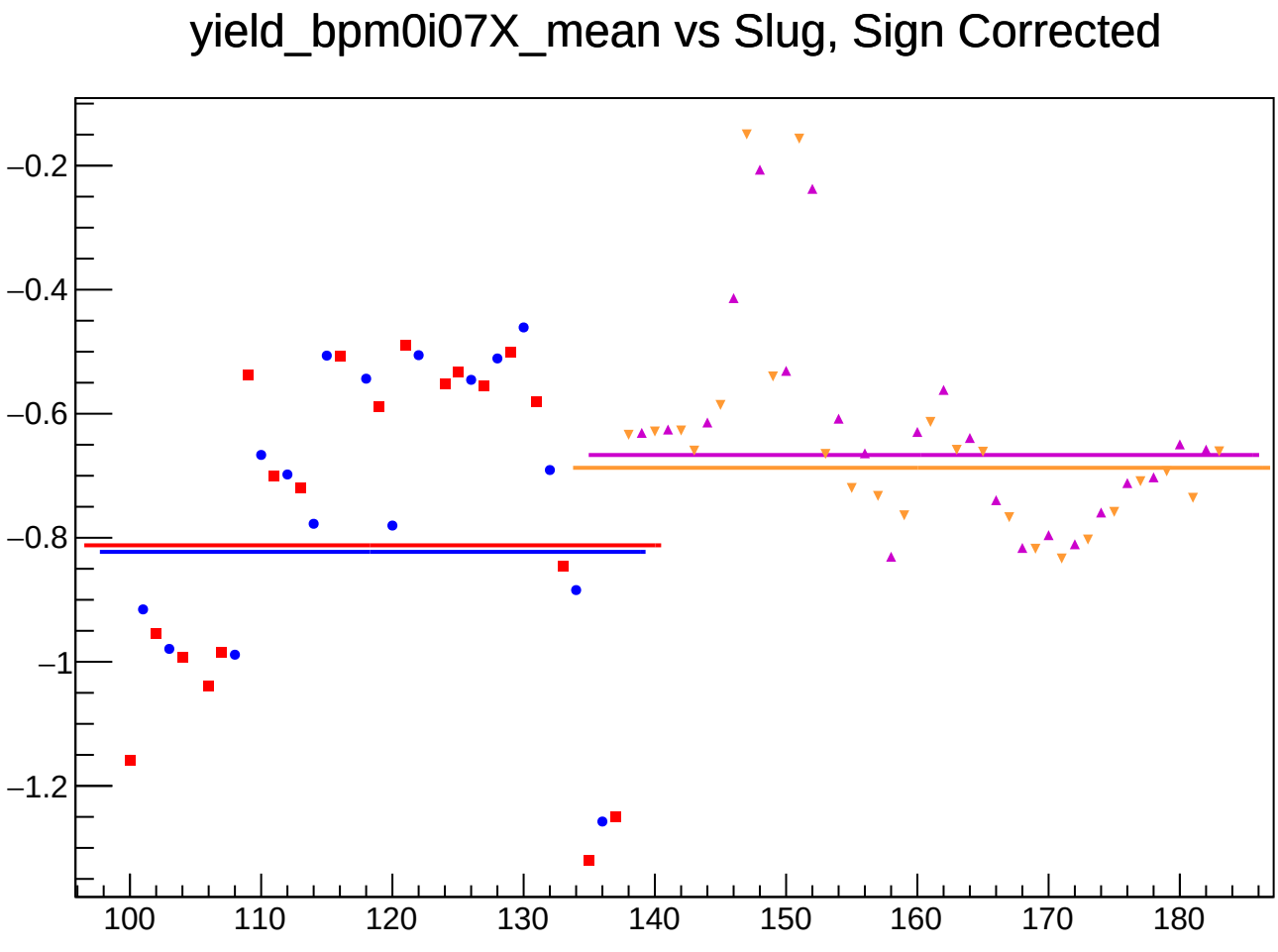
Left: 0.005+/-0.000 χ^2/NDF: 398704.7/45

Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

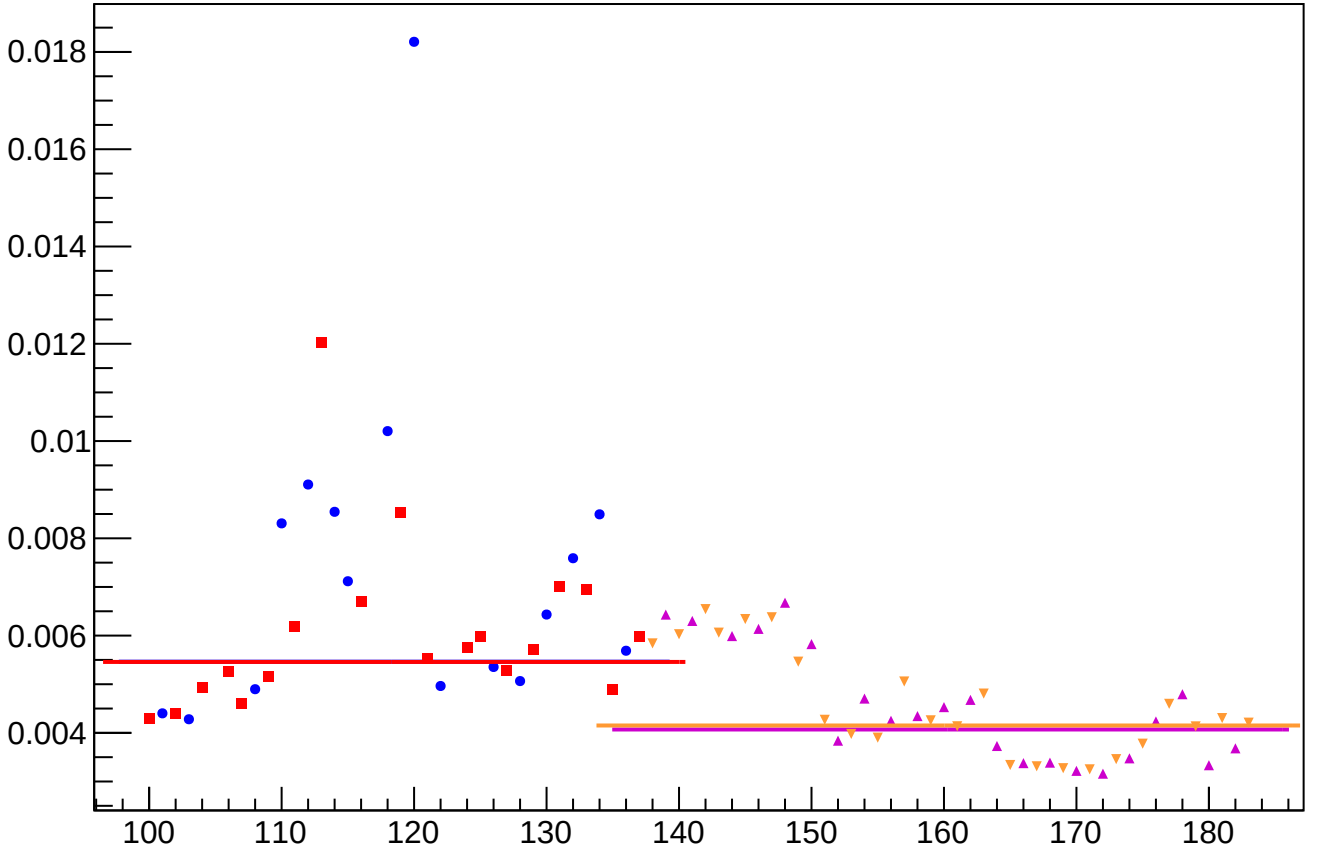
In: 0.005+/-0.000 χ^2/NDF:1902013.5/37

Out: 0.005+/-0.000 χ^2/NDF:1597237.1/42

All: 0.005+/-0.000 χ^2/NDF: 3501396.1/80


yield_bpm0i07X_mean vs Slug, Sign Corrected
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
180
Right In: -0.823+/-0.000 χ²/NDF: 12226599844.5/15
Left Out: -0.687+/-0.000 χ²/NDF:22461863972.2/23
Right Out: -0.812+/-0.000 χ²/NDF: 14825441332.4/18
Left In: -0.667+/-0.000 χ²/NDF:22524932208.0/21
Left: -0.677+/-0.000 χ²/NDF: 45188421242.0/45
Right: -0.817+/-0.000 χ²/NDF: 27062819602.4/34
In: -0.692+/-0.000 χ²/NDF:38514102947.6/37
Out: -0.709+/-0.000 χ²/NDF:39887488092.5/42
All: -0.701+/-0.000 χ²/NDF: 78560716177.5/

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:1505275.4/23

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: 3260607.8/45

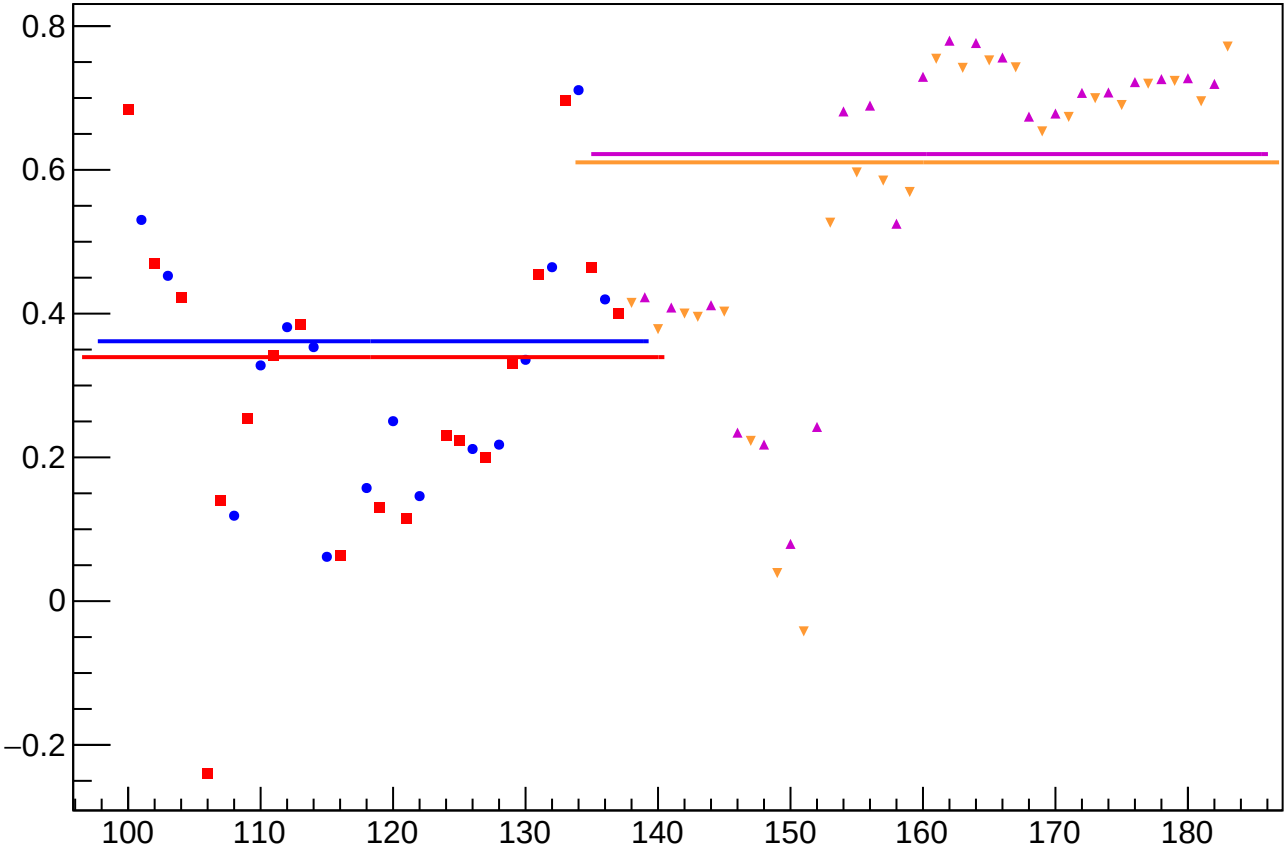
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.004+/-0.000 χ^2/NDF:3309850.4/37

Out: 0.004+/-0.000 χ^2/NDF:2581751.9/42

All: 0.004+/-0.000 χ^2/NDF: 5898992.4/80

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.610+/-0.000 χ^2/NDF:45437352894.1/23

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: 0.616+/-0.000 χ^2/NDF: 85426119089.2/45

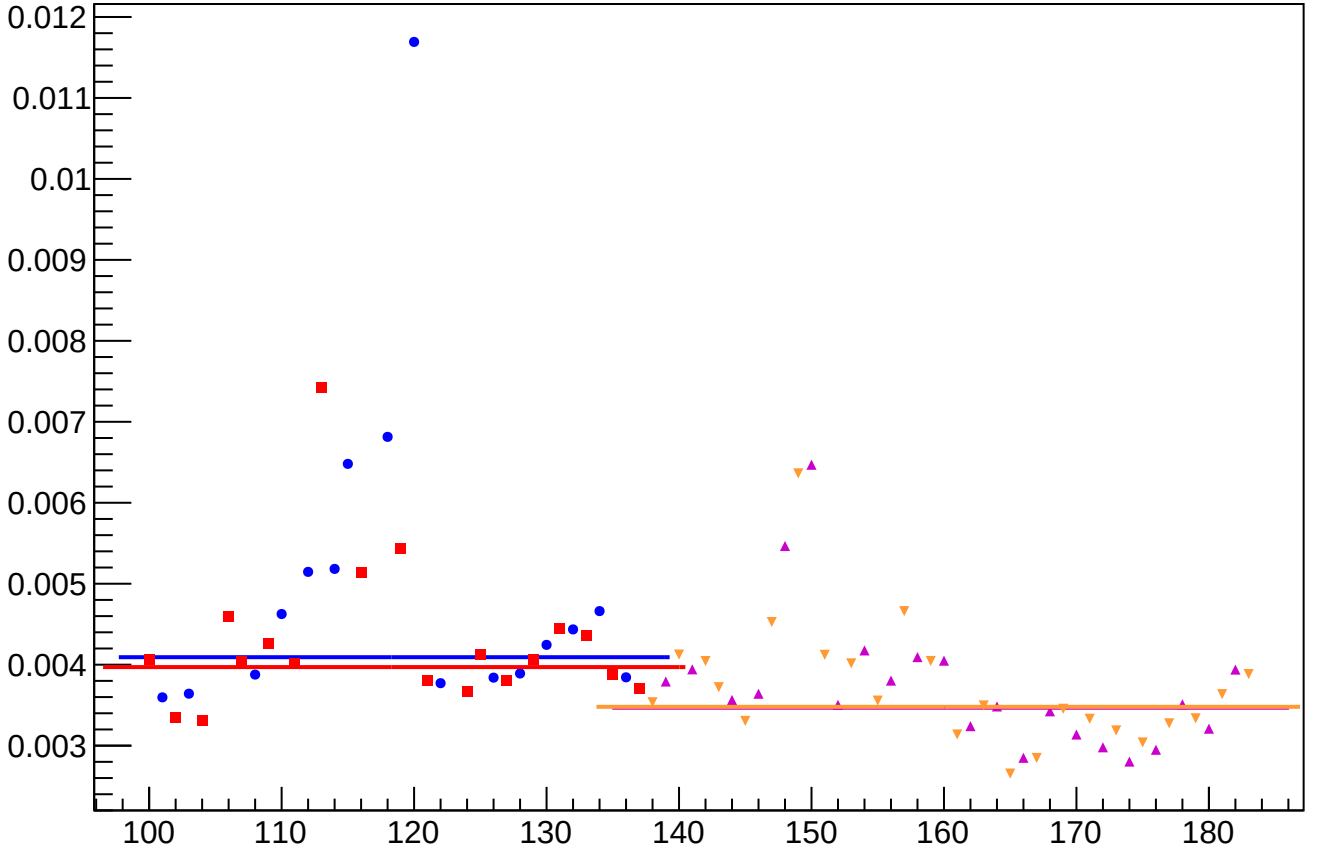
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.563+/-0.000 χ^2/NDF:67856666262.4/37

Out: 0.546+/-0.000 χ^2/NDF:80293515734.2/42

All: 0.554+/-0.000 χ^2/NDF: 148380748729.3

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:826339.9/23

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: 1720364.4/45

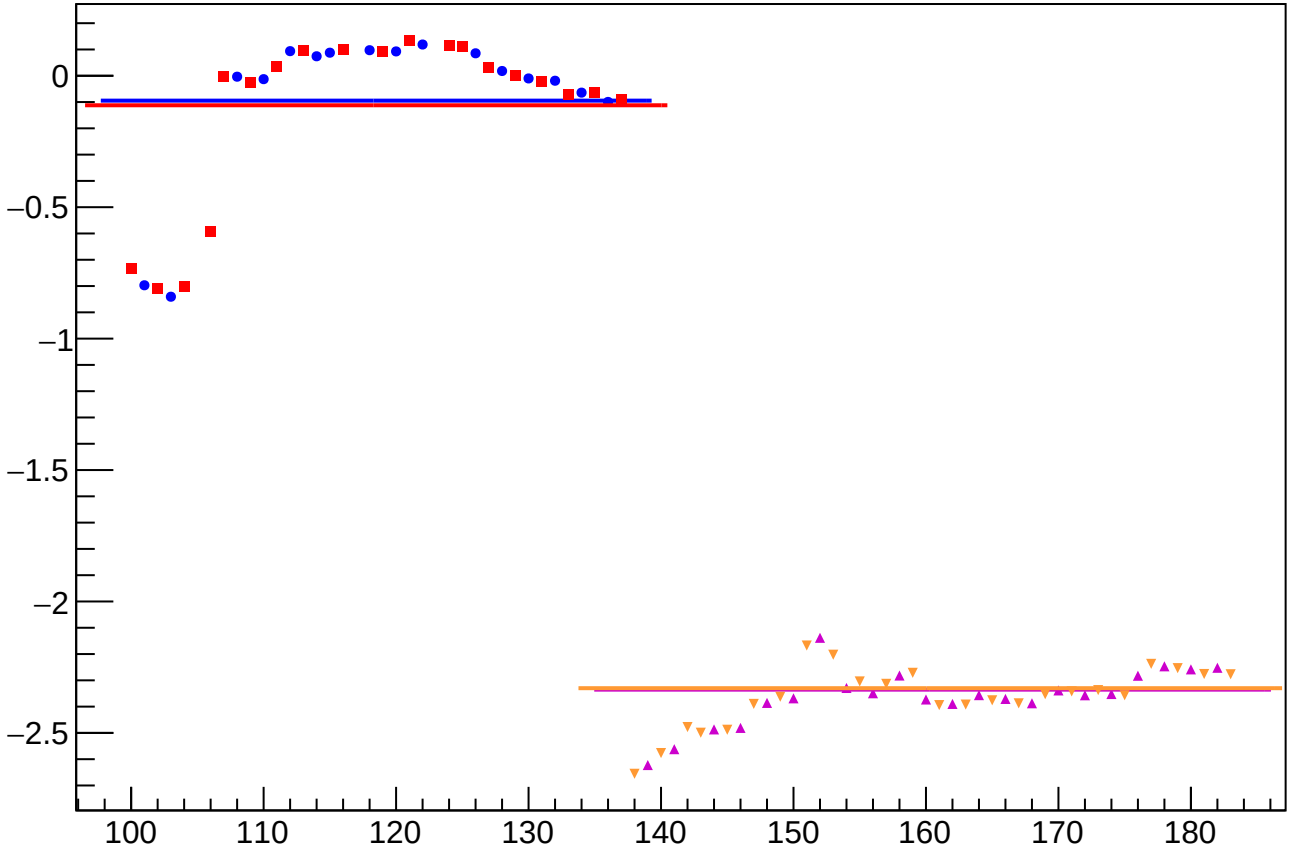
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1606058.5/37

Out: 0.004+/-0.000 χ^2/NDF:1289461.5/42

All: 0.004+/-0.000 χ^2/NDF: 2895837.6/80

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.330+/-0.000 χ^2/NDF:1979044167.8/23

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: -2.333+/-0.000 χ^2/NDF: 3653616337.9/45

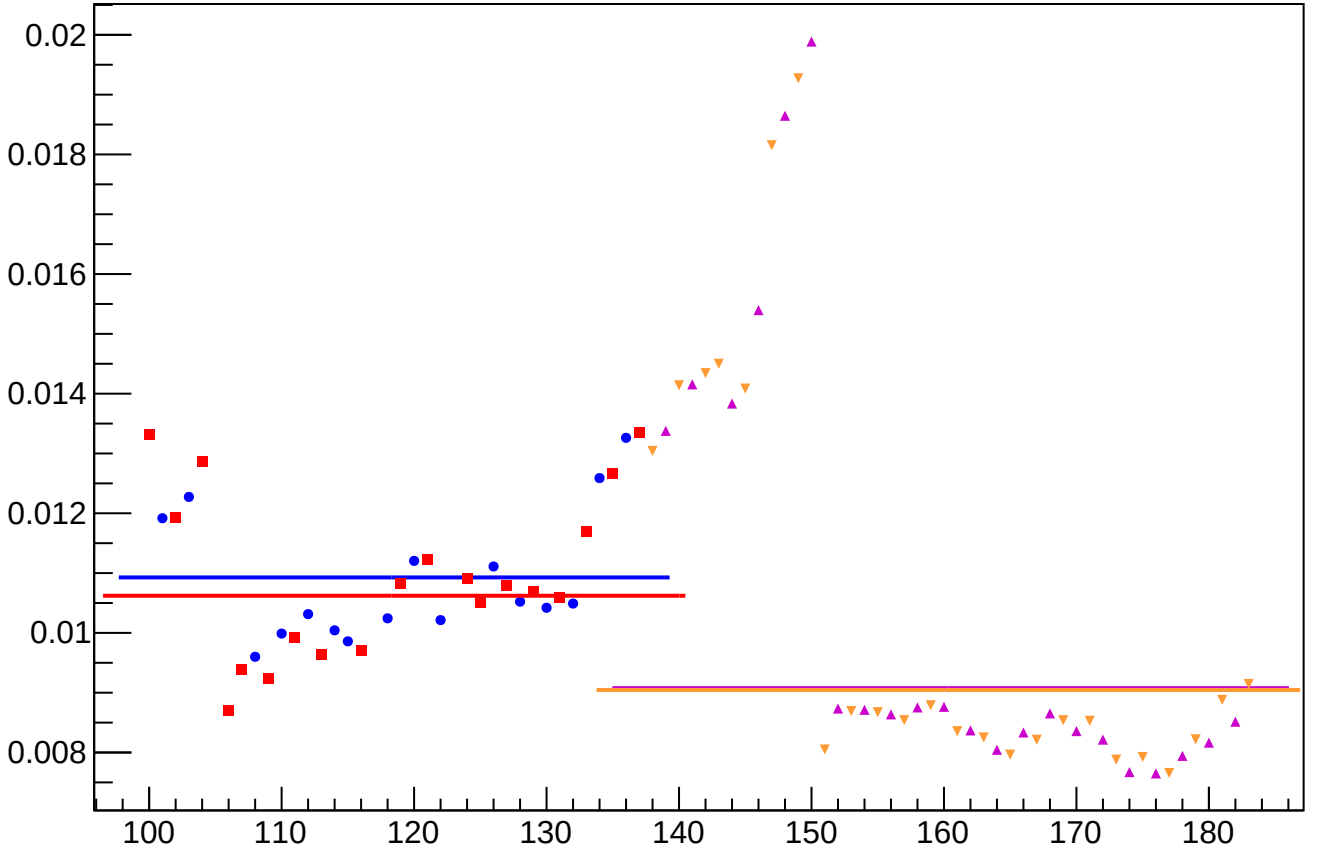
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.830+/-0.000 χ^2/NDF:239075065746.7/37

Out: -1.820+/-0.000 χ^2/NDF:255691782685.4/42

All: -1.825+/-0.000 χ^2/NDF: 494778910389.6

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:2048638.2/23

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: 4181759.7/45

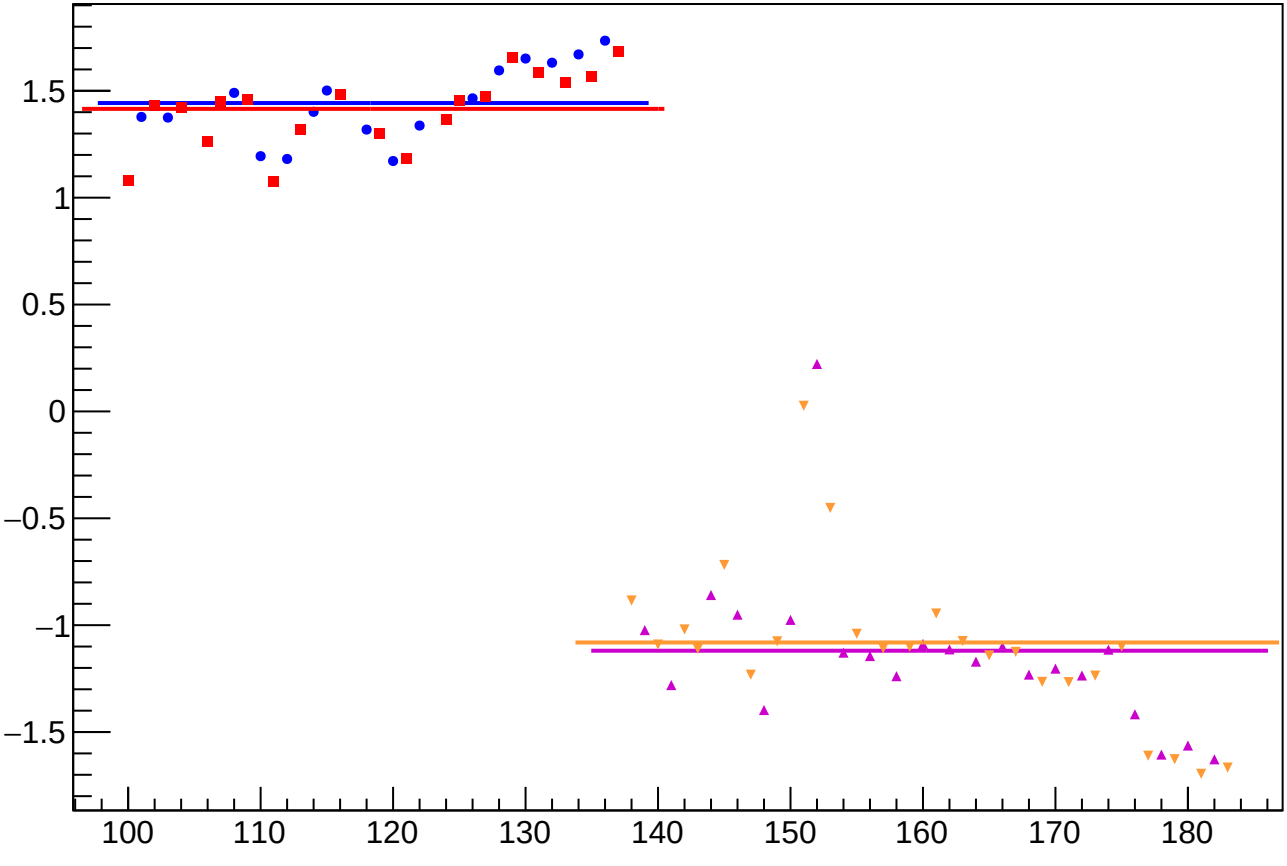
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.009+/-0.000 χ^2/NDF:2586173.7/37

Out: 0.009+/-0.000 χ^2/NDF:2489250.3/42

All: 0.009+/-0.000 χ^2/NDF: 5077461.5/80

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -1.081+/-0.000 χ^2/NDF:59531342901.3/23

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: -1.100+/-0.000 χ^2/NDF: 116982242949.0/45

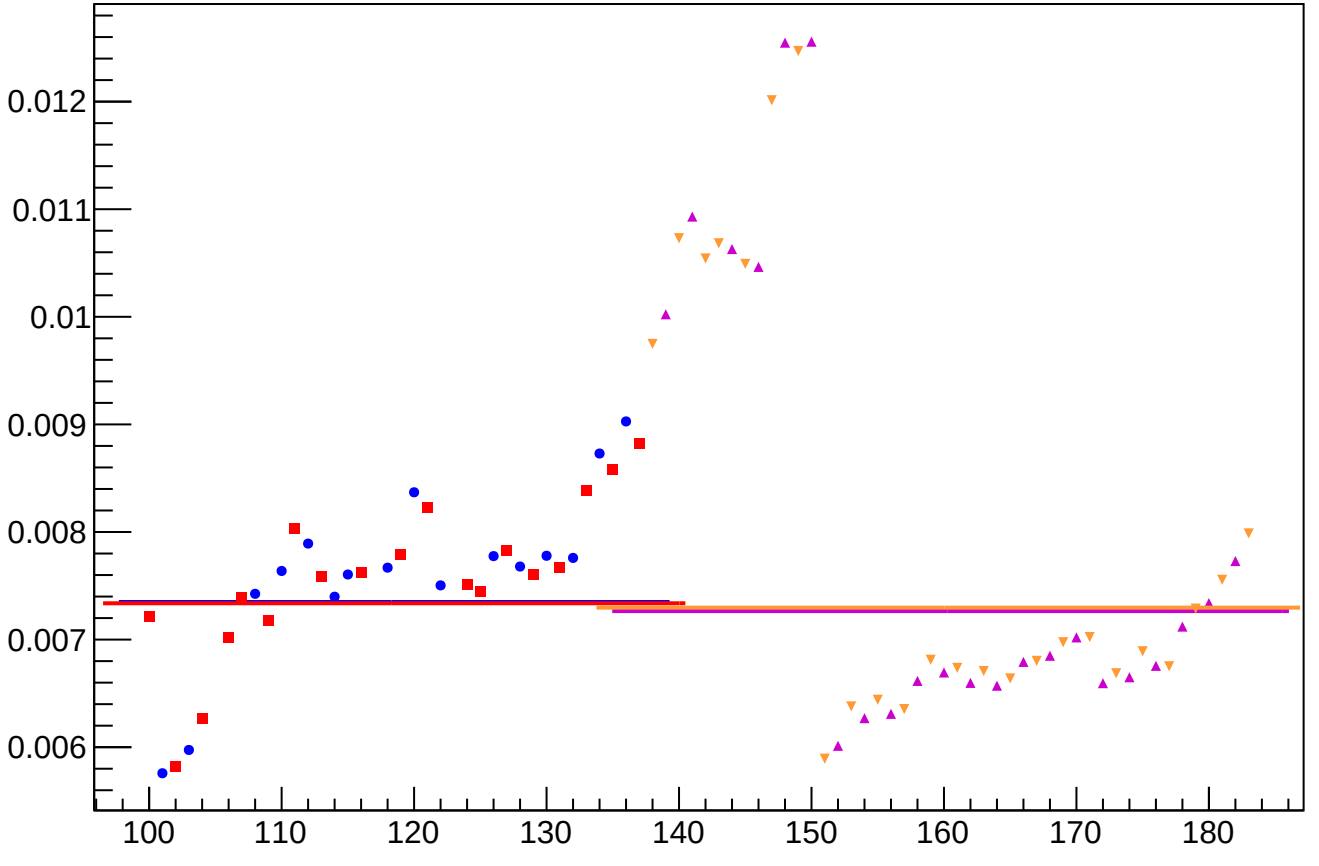
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: -0.385+/-0.000 χ^2/NDF:673530366462.1/37

Out: -0.367+/-0.000 χ^2/NDF:671775331552.6/42

All: -0.376+/-0.000 χ^2/NDF: 1345375648172

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:1501686.1/23

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: 3062067.6/45

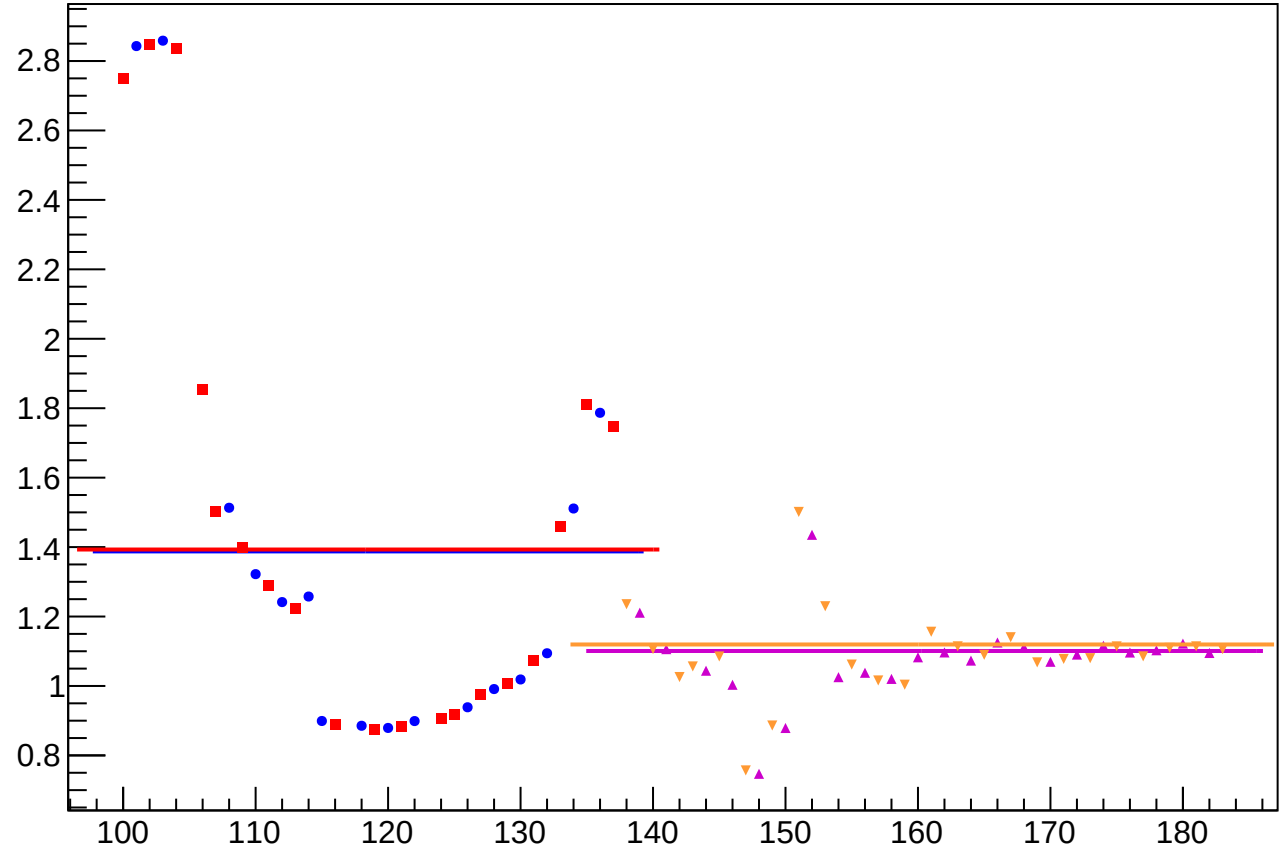
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1832229.5/37

Out: 0.007+/-0.000 χ^2/NDF:1697379.4/42

All: 0.007+/-0.000 χ^2/NDF: 3529781.8/80

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:5514534493.7/23

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: 1.110+/-0.000 χ^2/NDF: 9768769025.8/45

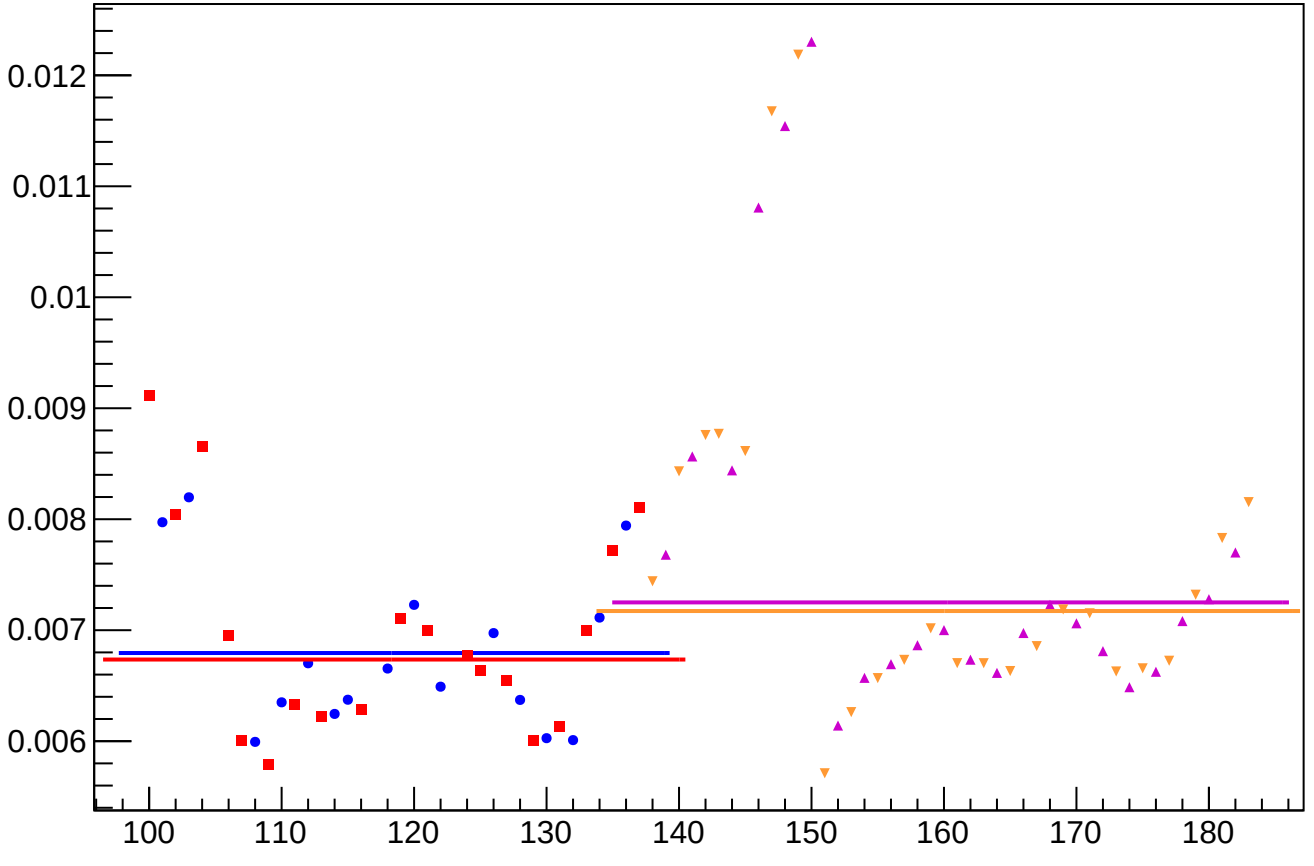
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.192+/-0.000 χ^2/NDF:71418998548.6/37

Out: 1.206+/-0.000 χ^2/NDF:69195966310.3/42

All: 1.199+/-0.000 χ^2/NDF: 140657456011.6

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:887846.2/23

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: 1804934.7/45

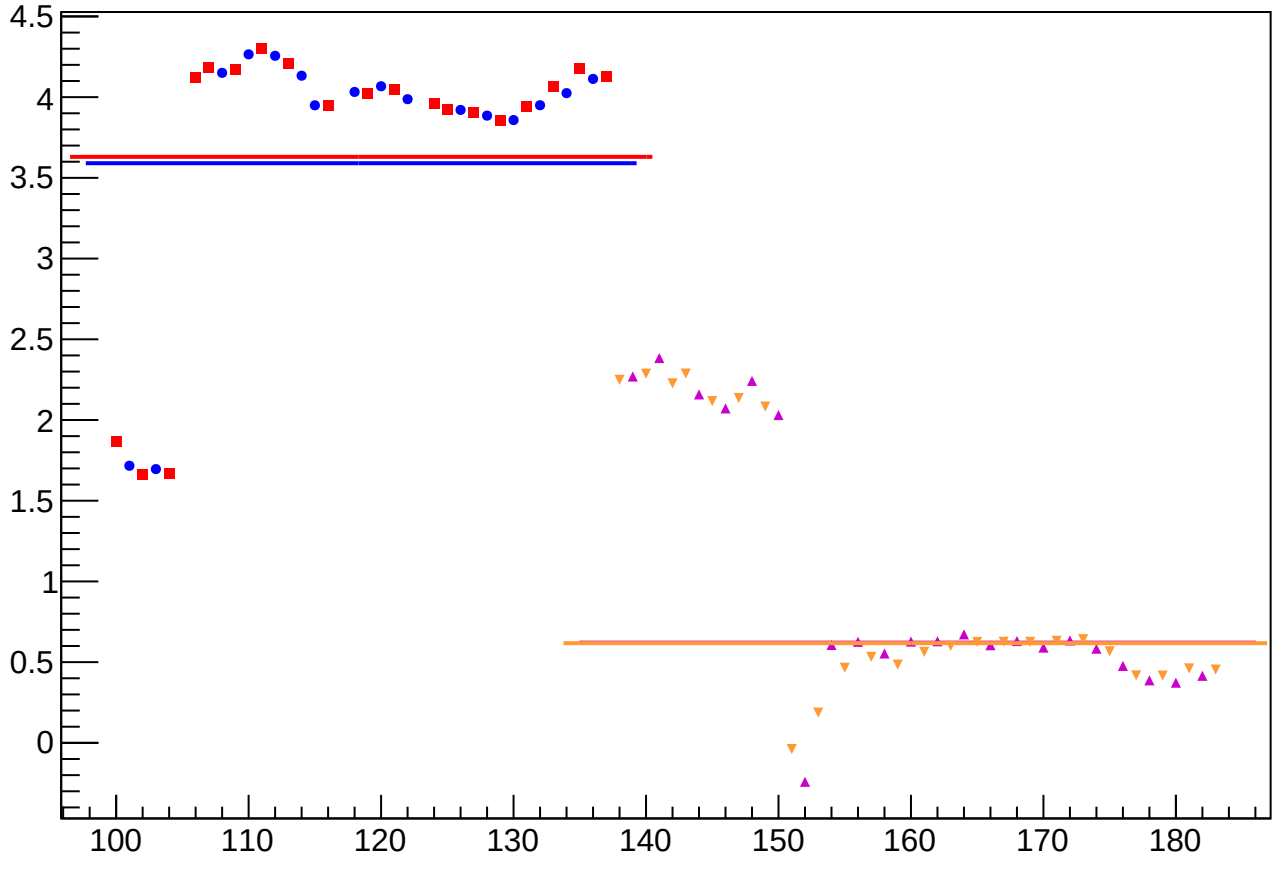
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1123036.5/37

Out: 0.007+/-0.000 χ^2/NDF:1128816.2/42

All: 0.007+/-0.000 χ^2/NDF: 2254245.2/80

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.618+/-0.000 χ^2/NDF:251760865990.8/23

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: 0.619+/-0.000 χ^2/NDF: 505628713876.5/45

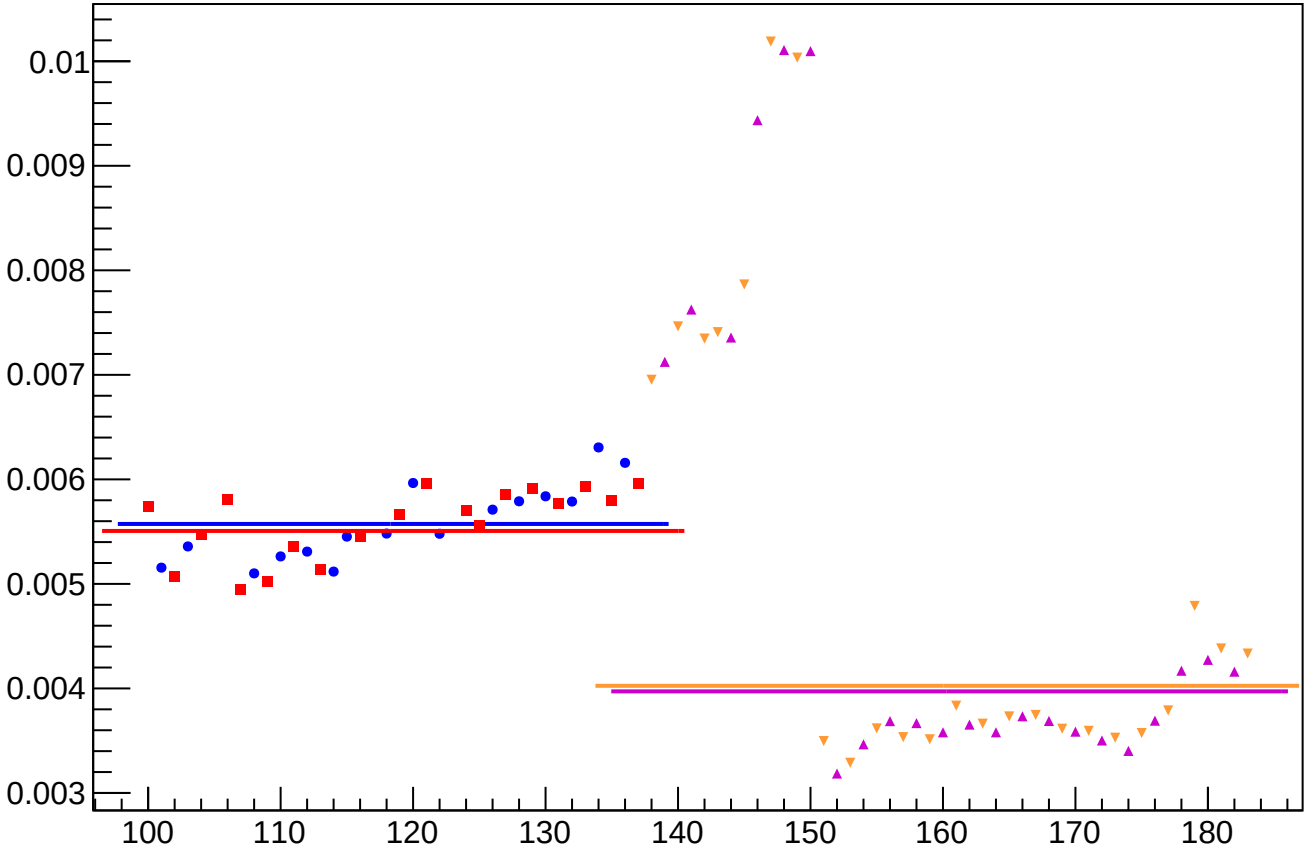
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.173+/-0.000 χ^2/NDF:2112474977824.1/37

Out: 1.183+/-0.000 χ^2/NDF:2239768560554.6/42

All: 1.178+/-0.000 χ^2/NDF: 4352300256097.

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:2962564.3/23

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: 6086938.1/45

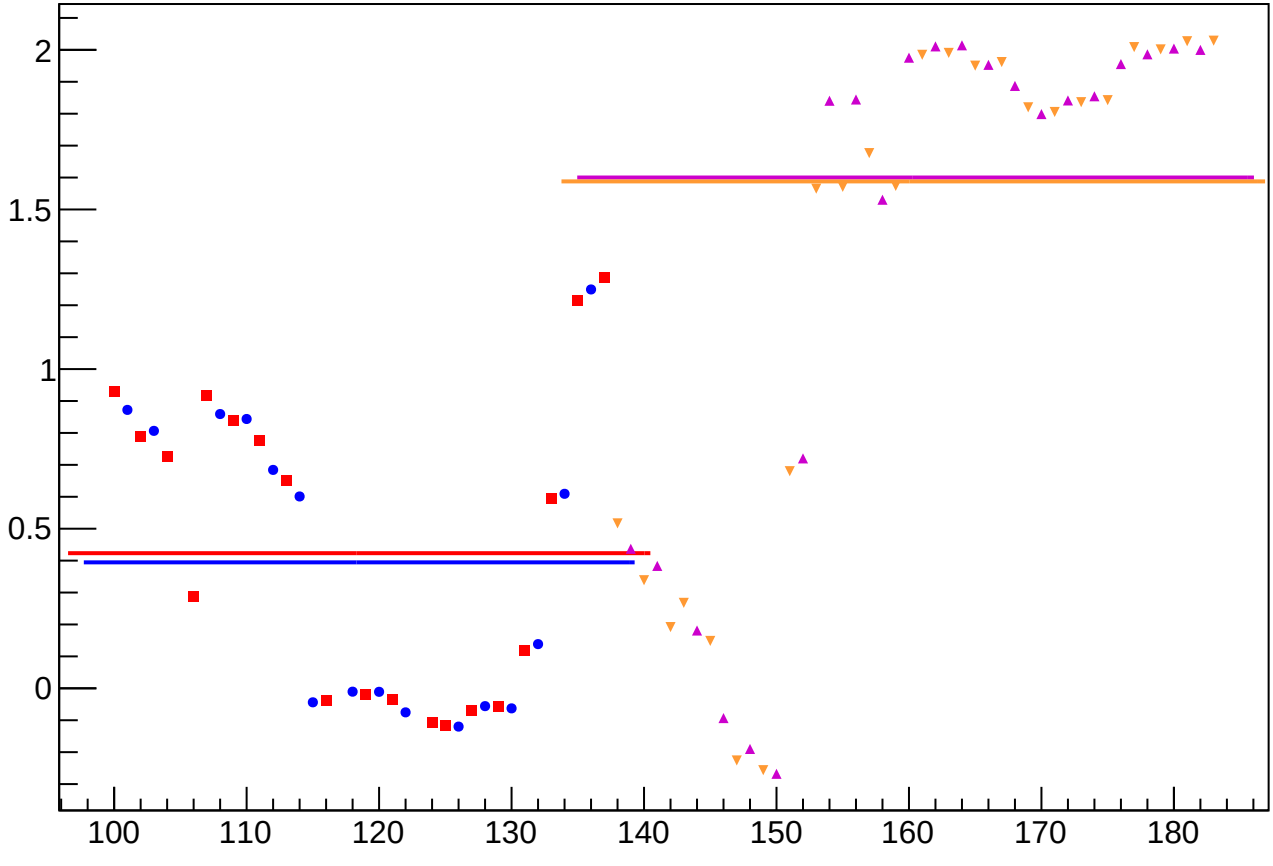
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.004+/-0.000 χ^2/NDF:4144025.9/37

Out: 0.004+/-0.000 χ^2/NDF:3878601.1/42

All: 0.004+/-0.000 χ^2/NDF: 8024025.8/80

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.588+/-0.000 χ^2/NDF:62137307809.1/23

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: 1.594+/-0.000 χ^2/NDF: 127979320613.7/45

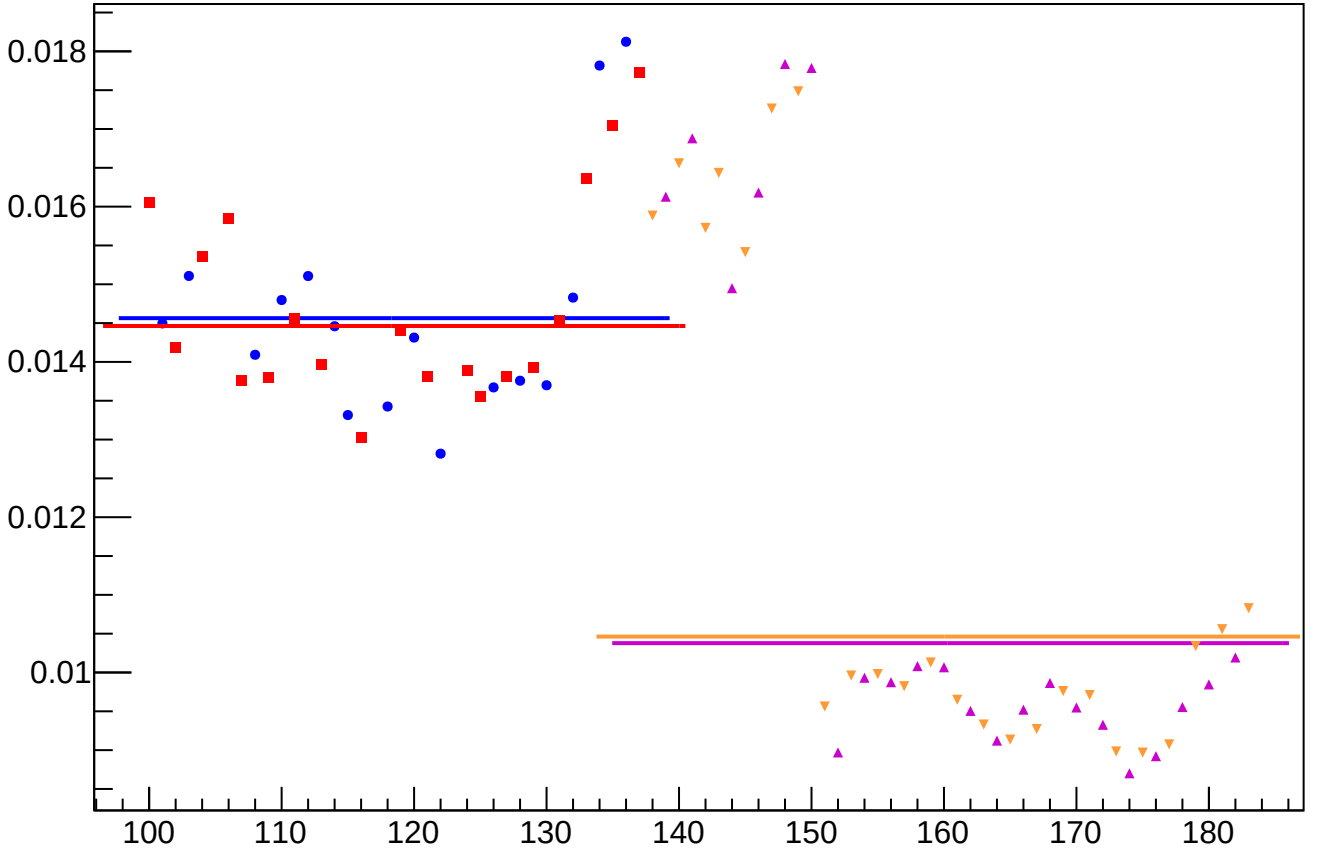
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.389+/-0.000 χ^2/NDF:113361633979.9/37

Out: 1.385+/-0.000 χ^2/NDF:108028849061.1/42

All: 1.387+/-0.000 χ^2/NDF: 221392601534.5

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:1660459.8/23

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: 3372121.9/45

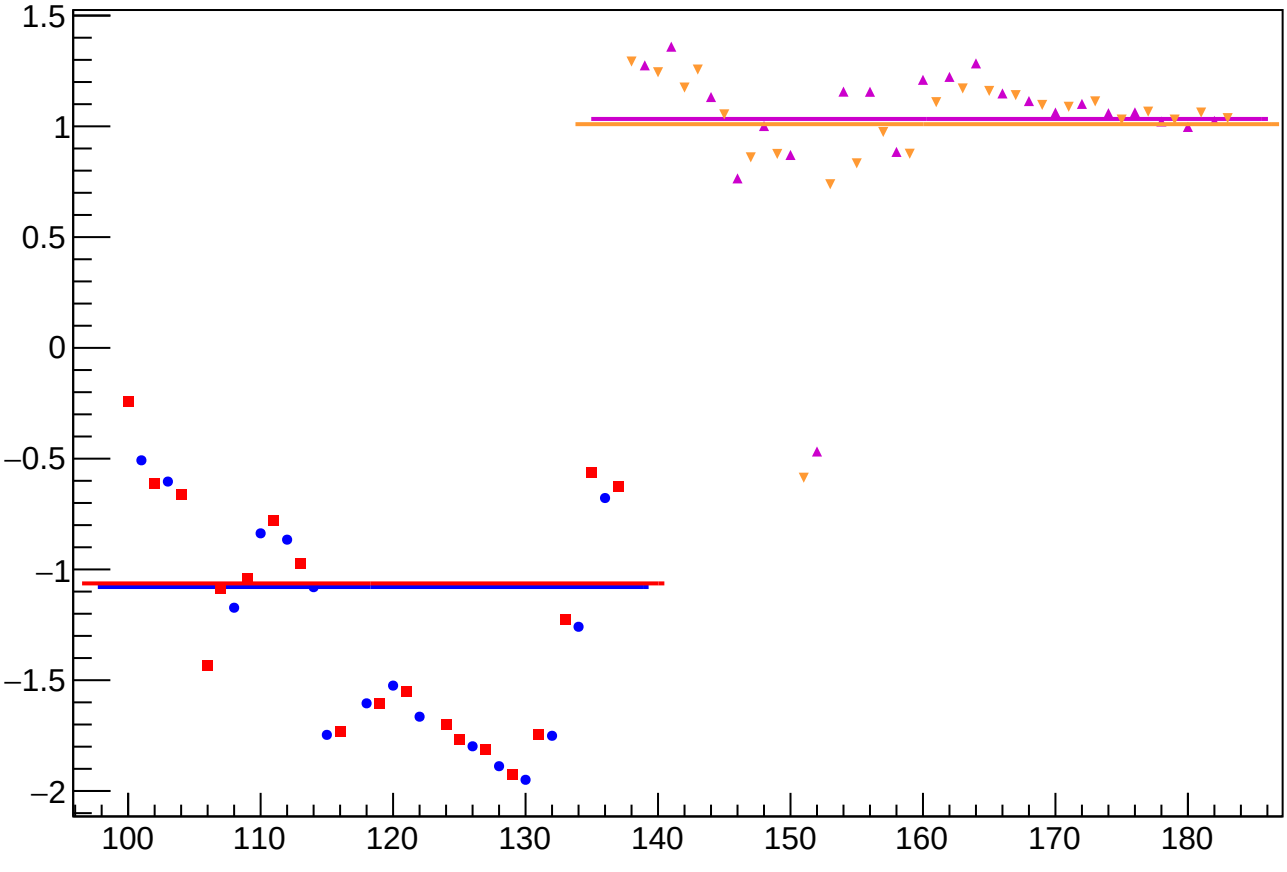
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.011+/-0.000 χ^2/NDF:2810874.3/37

Out: 0.011+/-0.000 χ^2/NDF:2658047.4/42

All: 0.011+/-0.000 χ^2/NDF: 5469420.8/80

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.010+/-0.000 χ^2/NDF:111086810589.7/23

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: 236842513578.1/45

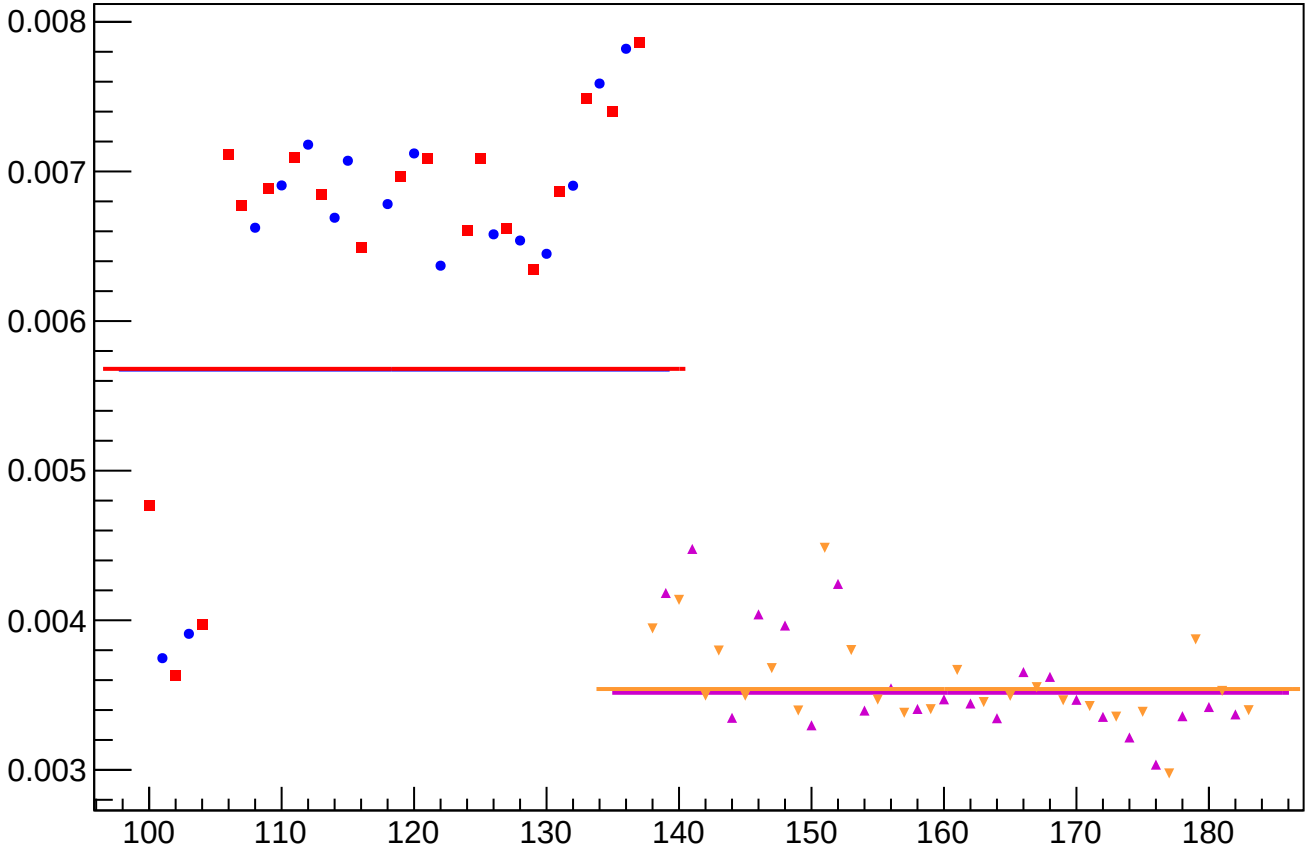
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.758+/-0.000 χ^2/NDF:952294524071.6/37

Out: 0.748+/-0.000 χ^2/NDF:911234417719.5/42

All: 0.753+/-0.000 χ^2/NDF: 1863603153410.

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:214538.9/23

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: 495955.3/45

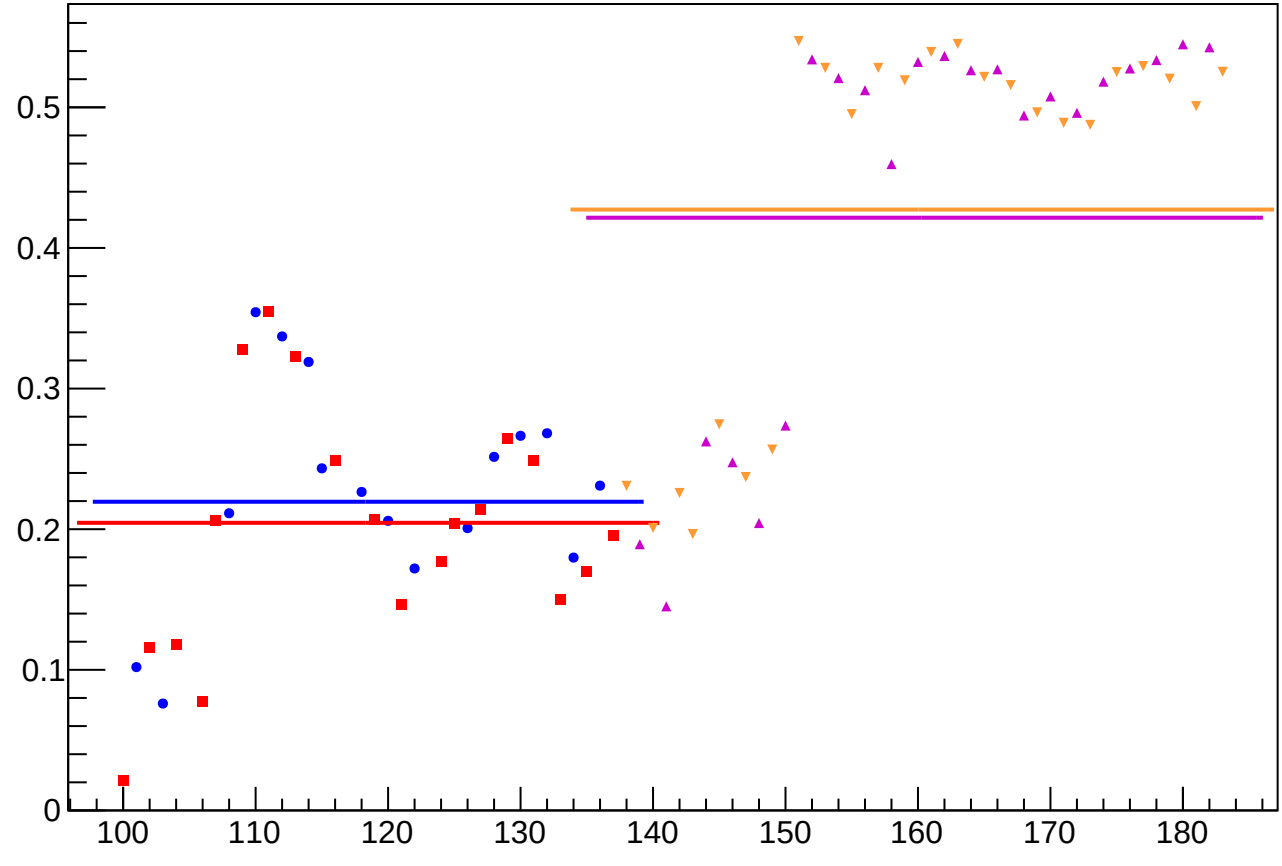
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2830064.4/37

Out: 0.004+/-0.000 χ^2/NDF:2794500.7/42

All: 0.004+/-0.000 χ^2/NDF: 5624850.4/80

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.427+/-0.000 χ^2/NDF:153458413976.2/23

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: 0.425+/-0.000 χ^2/NDF: 310937896550.9/45

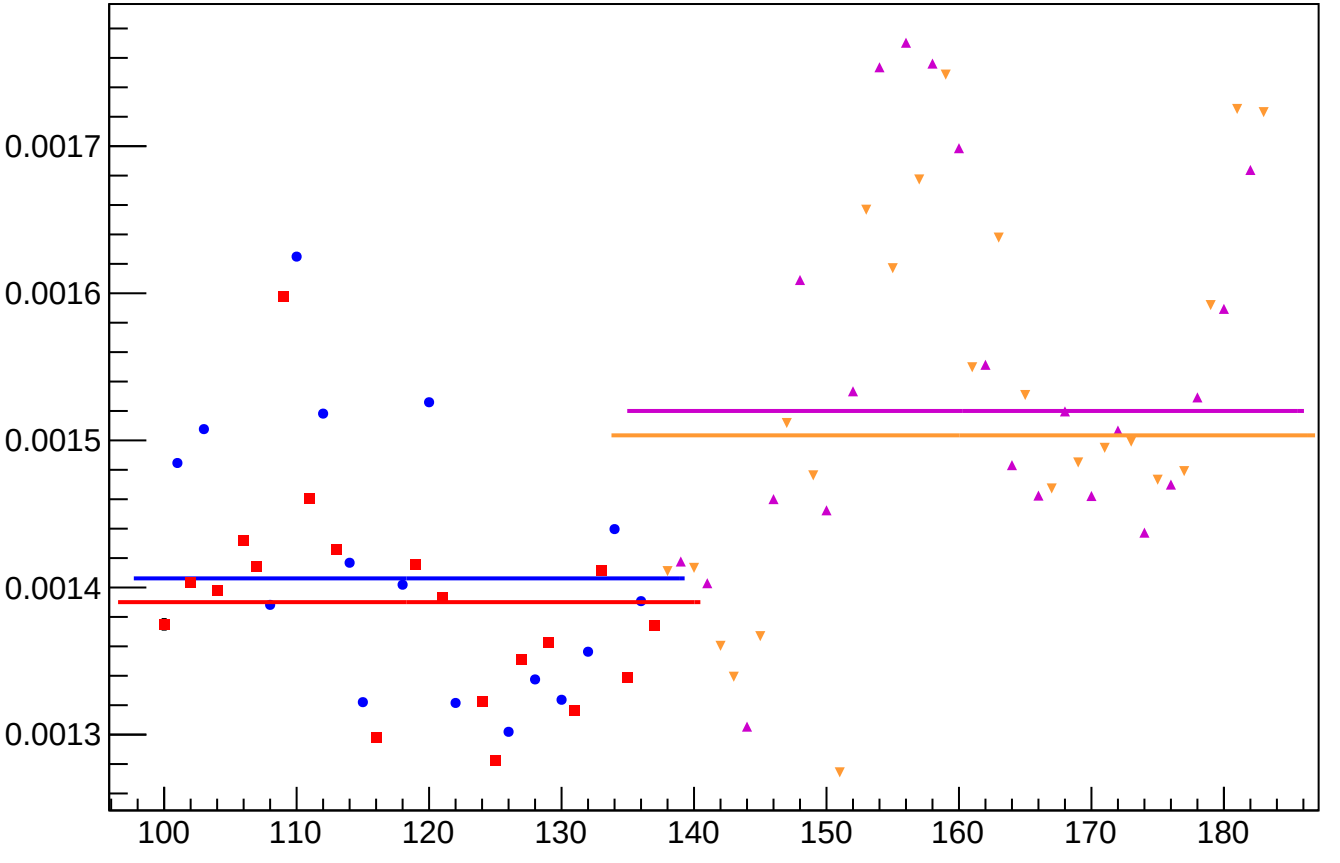
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.358+/-0.000 χ^2/NDF:272222655638.3/37

Out: 0.357+/-0.000 χ^2/NDF:305064357877.2/42

All: 0.358+/-0.000 χ^2/NDF: 577288440217.8

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:265155.2/23

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: 491901.2/45

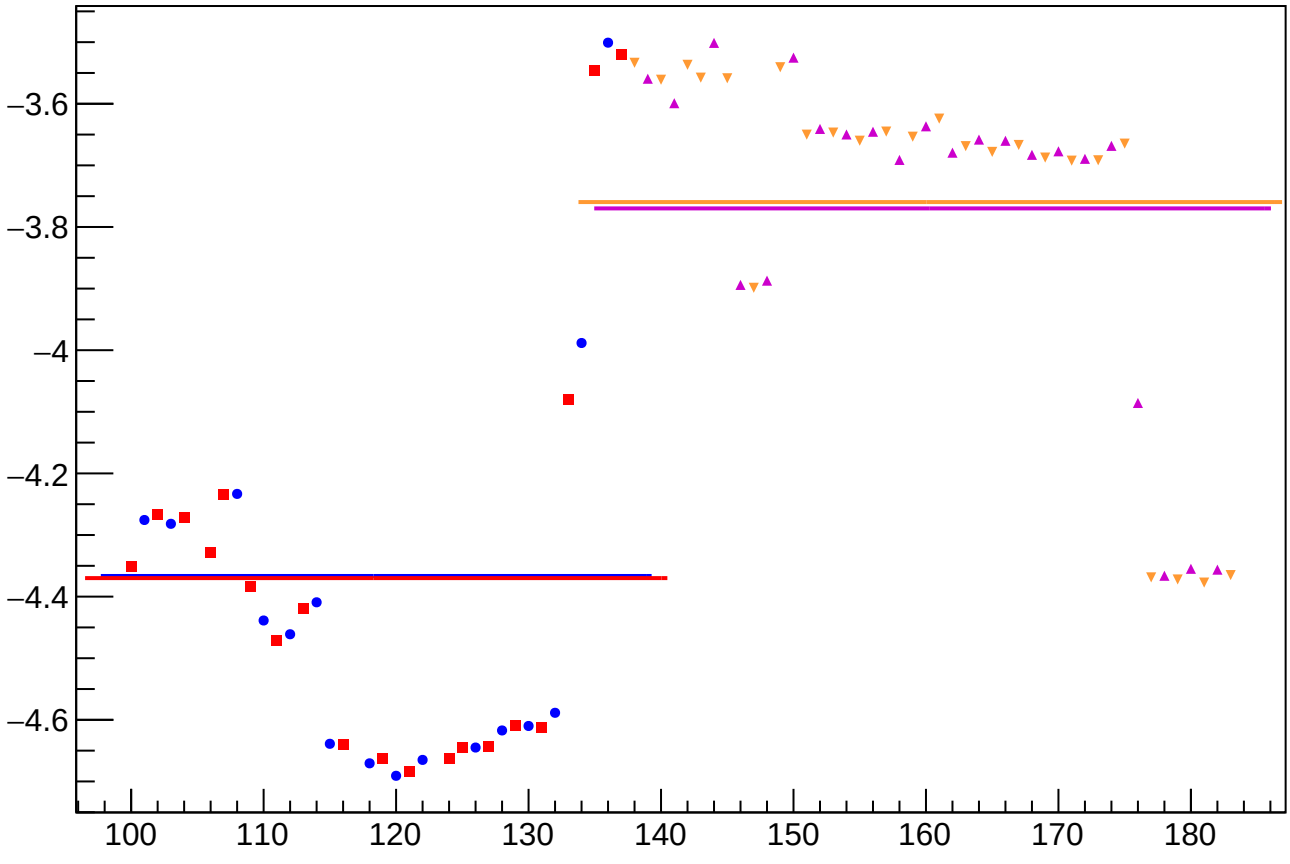
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:335066.1/37

Out: 0.001+/-0.000 χ^2/NDF:366924.0/42

All: 0.001+/-0.000 χ^2/NDF: 705081.0/80

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.760+/-0.000 χ^2/NDF:466268630816.5/23

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: -3.765+/-0.000 χ^2/NDF: 847903000496.2/45

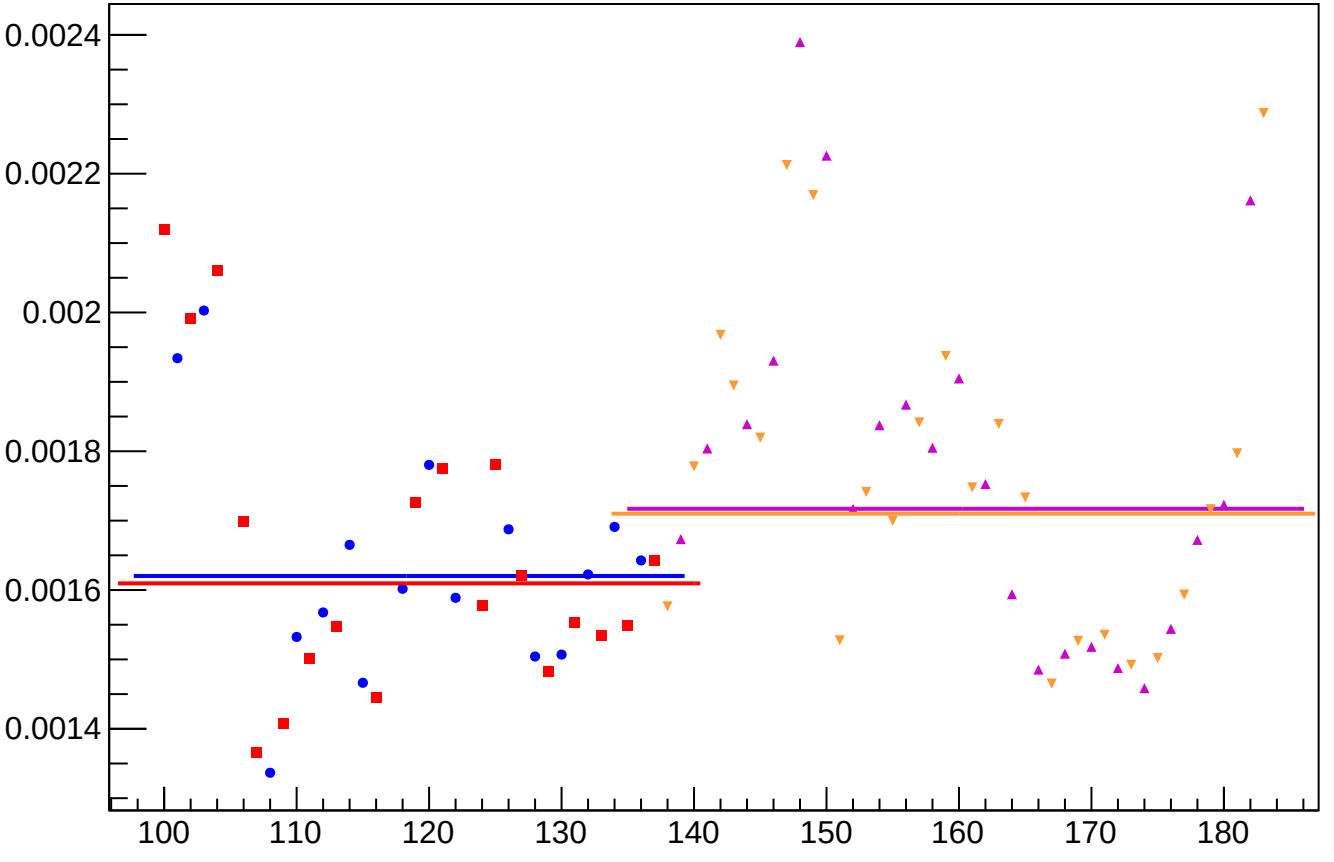
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.954+/-0.000 χ^2/NDF:1378825105140.3/37

Out: -3.946+/-0.000 χ^2/NDF:1473921680246.9/42

All: -3.950+/-0.000 χ^2/NDF: 2853046043120

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:525935.7/23

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: 1083862.3/45

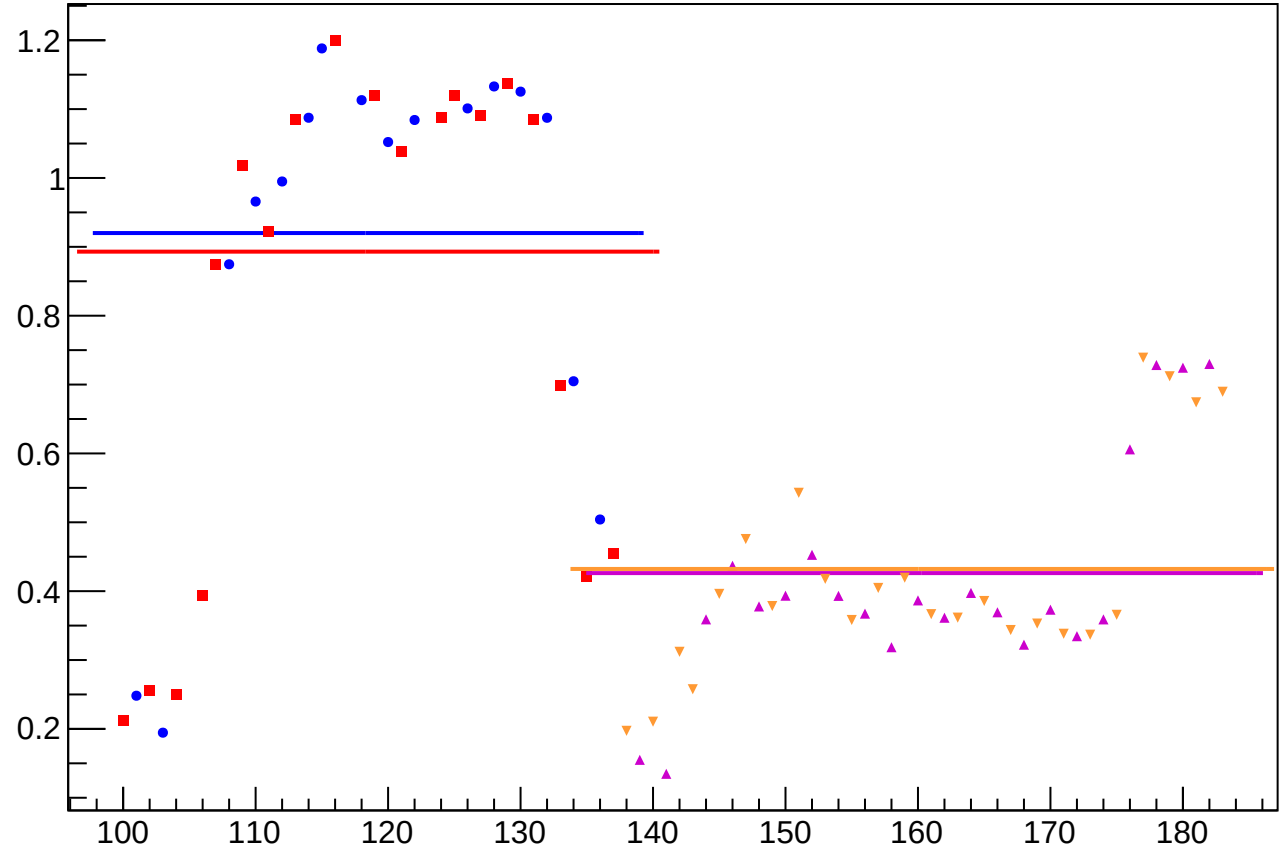
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:731765.9/37

Out: 0.002+/-0.000 χ^2/NDF:749401.8/42

All: 0.002+/-0.000 χ^2/NDF: 1481700.8/80

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.432+/-0.000 χ^2/NDF:8319860851.1/23

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: 0.429+/-0.000 χ^2/NDF: 17074718020.4/45

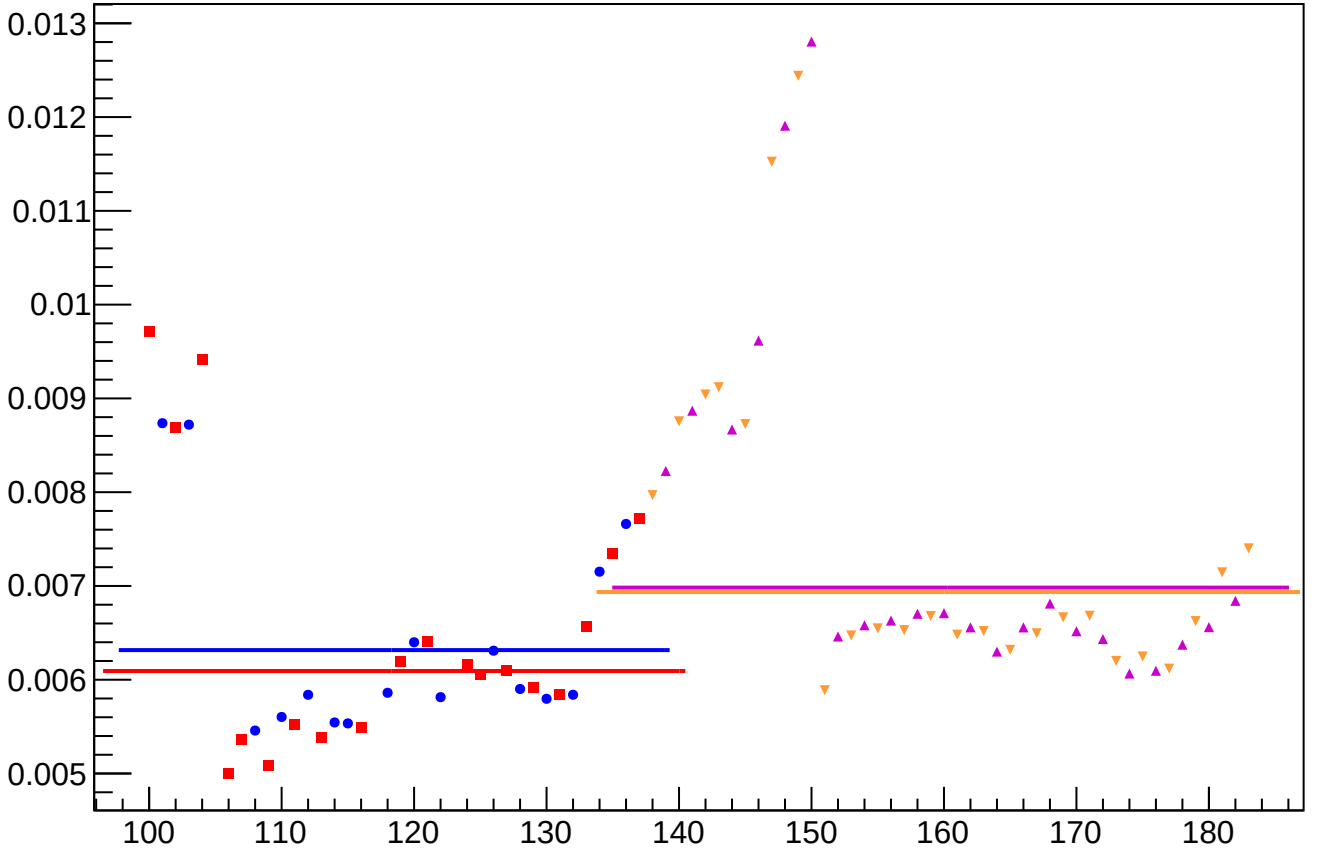
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.589+/-0.000 χ^2/NDF:52014090708.8/37

Out: 0.588+/-0.000 χ^2/NDF:53434122433.4/42

All: 0.589+/-0.000 χ^2/NDF: 105448833516.8

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:1088214.5/23

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1136459.4/21

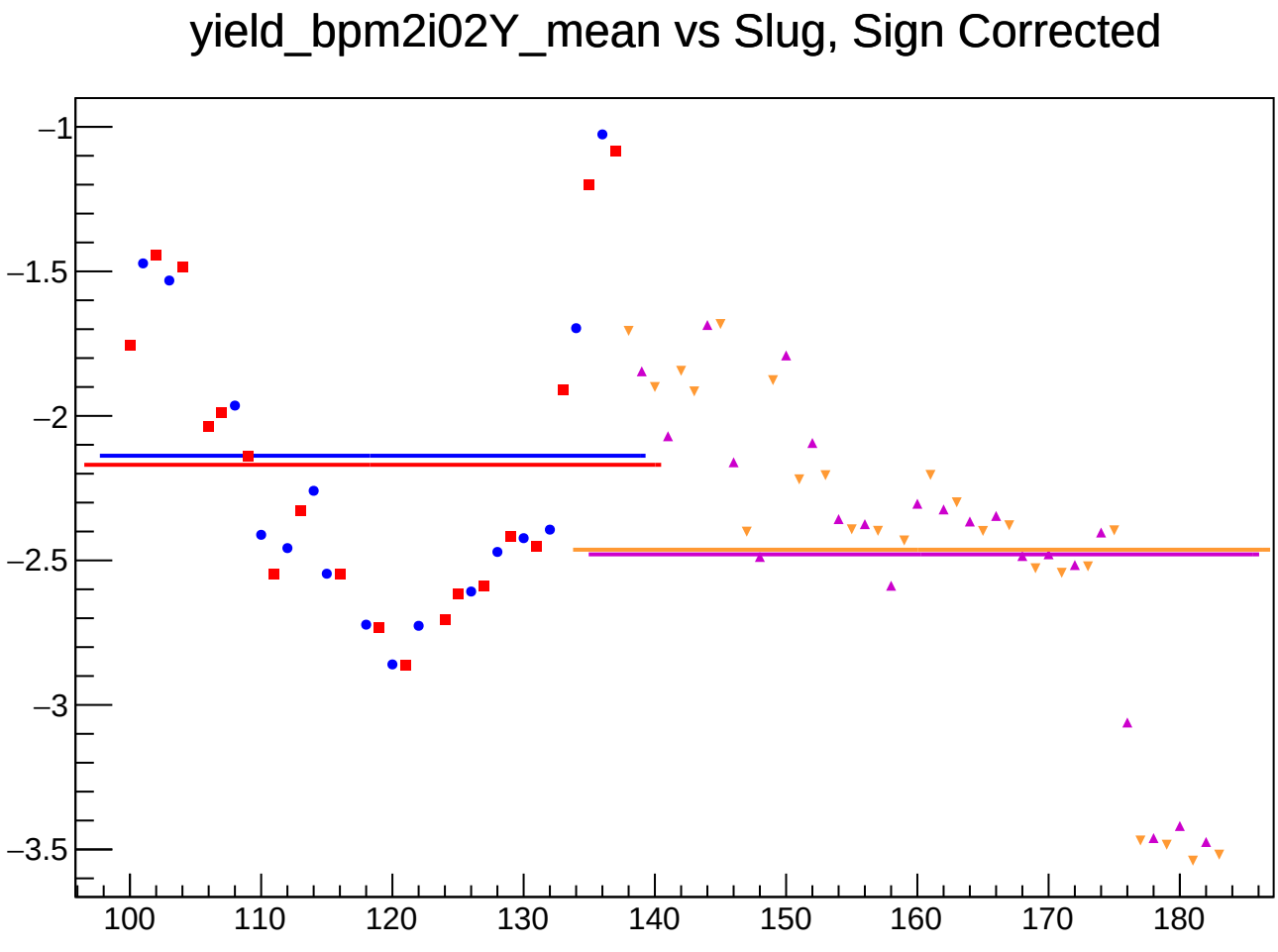
Left: 0.007+/-0.000 χ^2/NDF: 2225498.9/45

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

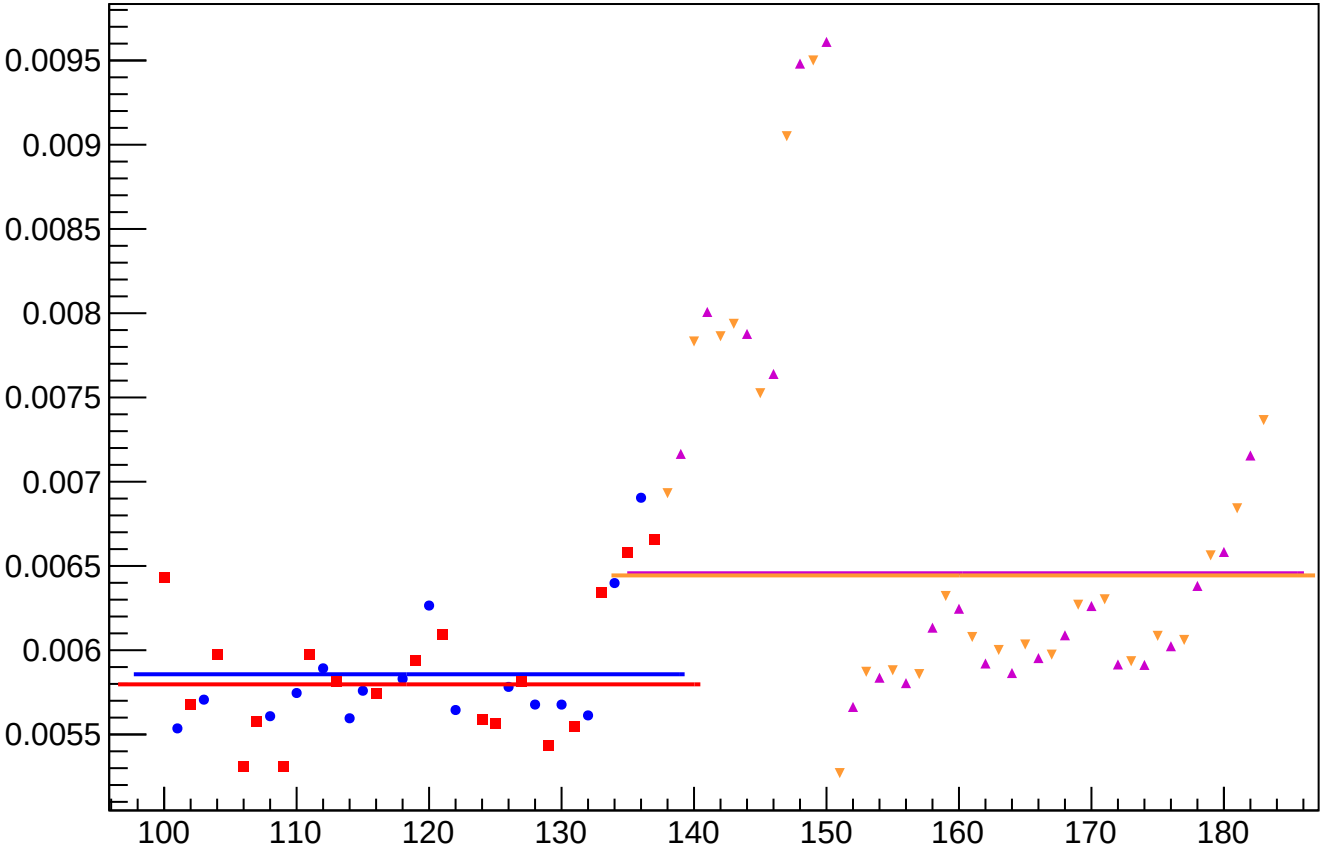
In: 0.007+/-0.000 χ^2/NDF:1576741.4/37

Out: 0.007+/-0.000 χ^2/NDF:1707681.8/42

All: 0.007+/-0.000 χ^2/NDF: 3291310.6/80


yield_bpm2i02Y_mean vs Slug, Sign Corrected
−1
−1.5
−2
−2.5
−3
−3.5
100
110
120
130
140
150
160
170
180
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.463+/-0.000 χ²/NDF:117006817446.5/23
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.479+/-0.000 χ²/NDF:89827212565.6/21
Left: -2.471+/-0.000 χ²/NDF: 206891041221.0/45
Right: -2.154+/-0.000 χ²/NDF: 123181980201.2/34
In: -2.366+/-0.000 χ²/NDF:171810817727.1/37
Out: -2.366+/-0.000 χ²/NDF:187227733987.8/42
All: -2.366+/-0.000 χ²/NDF: 359038554486.9

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:707231.9/23

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: 1426643.6/45

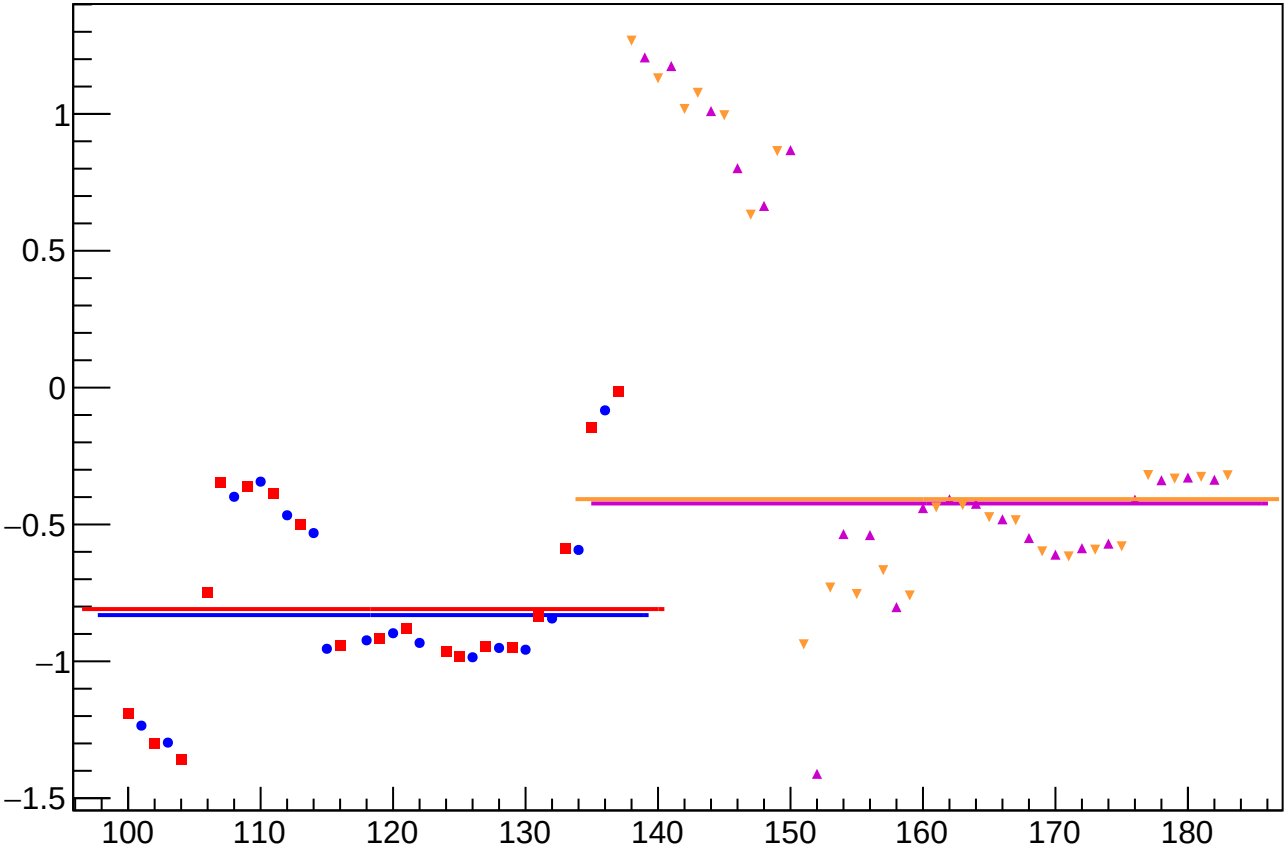
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:881975.3/37

Out: 0.006+/-0.000 χ^2/NDF:887781.9/42

All: 0.006+/-0.000 χ^2/NDF: 1770255.5/80

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.407+/-0.000 χ^2/NDF:81581009041.0/23

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: -0.415+/-0.000 χ^2/NDF: 171782528059.8/45

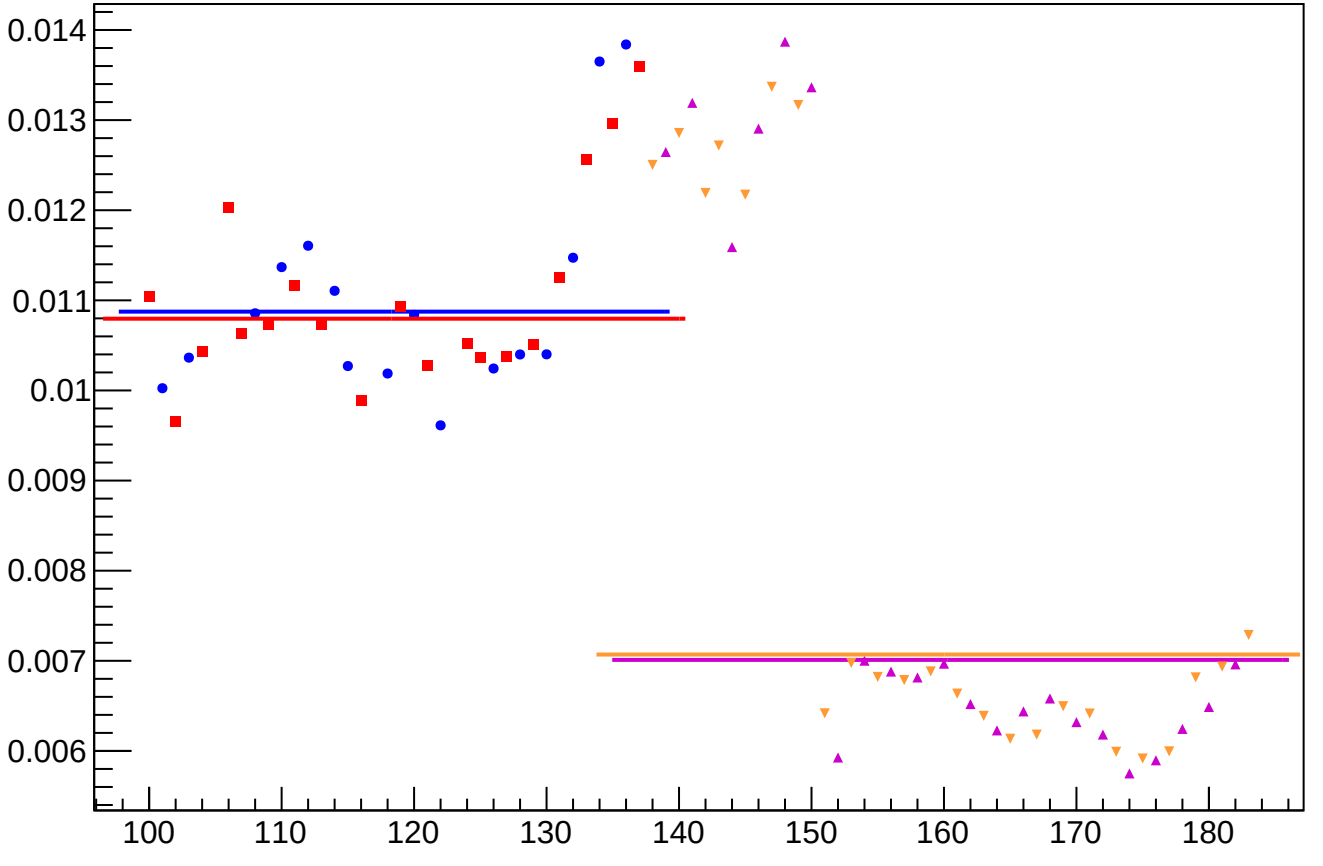
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.485+/-0.000 χ^2/NDF:105675045666.4/37

Out: -0.468+/-0.000 χ^2/NDF:98228901567.5/42

All: -0.476+/-0.000 χ^2/NDF: 203961914622.

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:2383800.1/23

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2456317.9/21

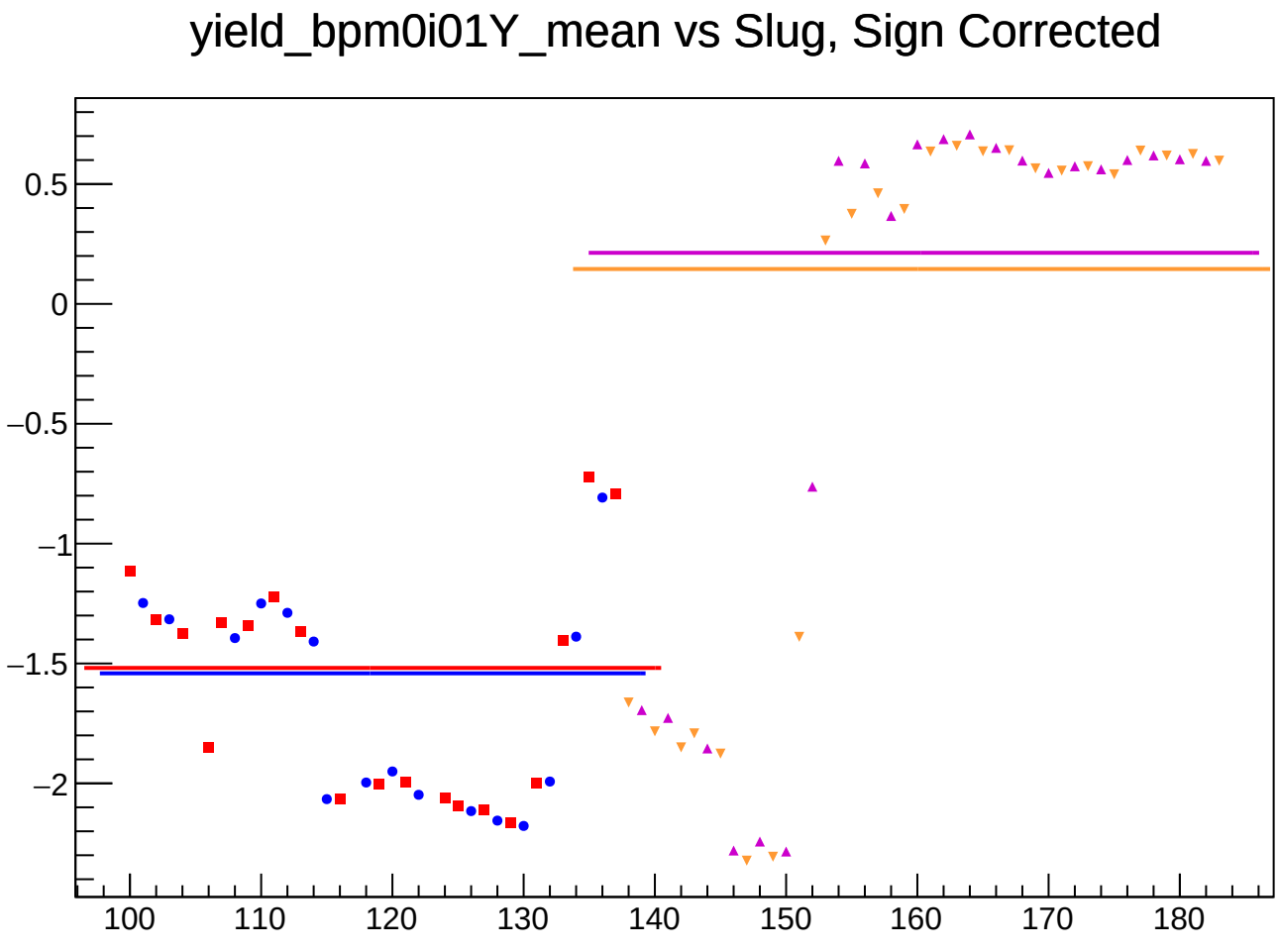
Left: 0.007+/-0.000 χ^2/NDF: 4841335.2/45

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:3946477.2/42

All: 0.008+/-0.000 χ^2/NDF: 8070432.3/80



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: 0.146+/-0.000 χ^2/NDF:2389495244512.3/23

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: 0.213+/-0.000 χ^2/NDF:2114213401408.3/21

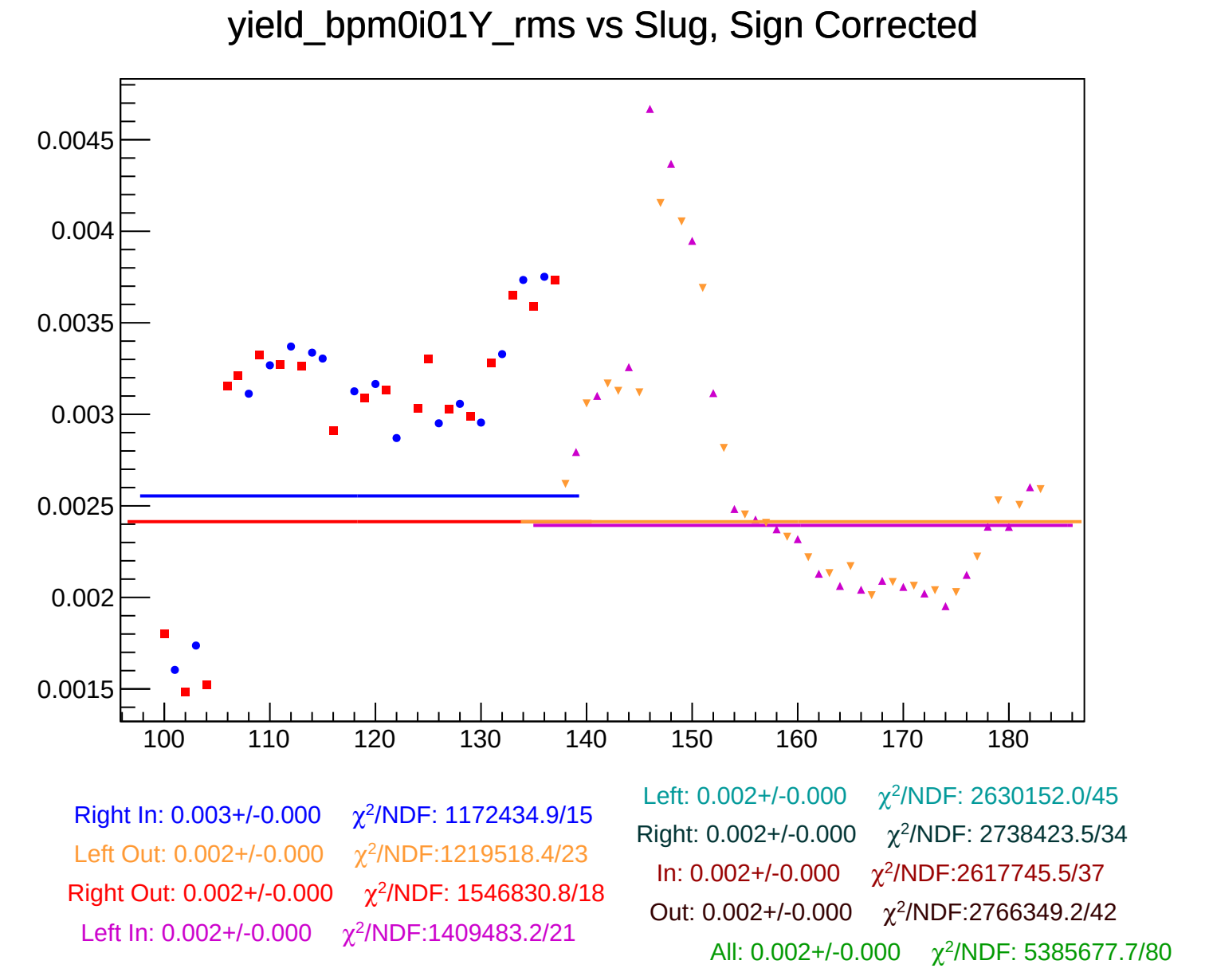
Left: 0.178+/-0.000 χ^2/NDF: 4510125480873.6/45

Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

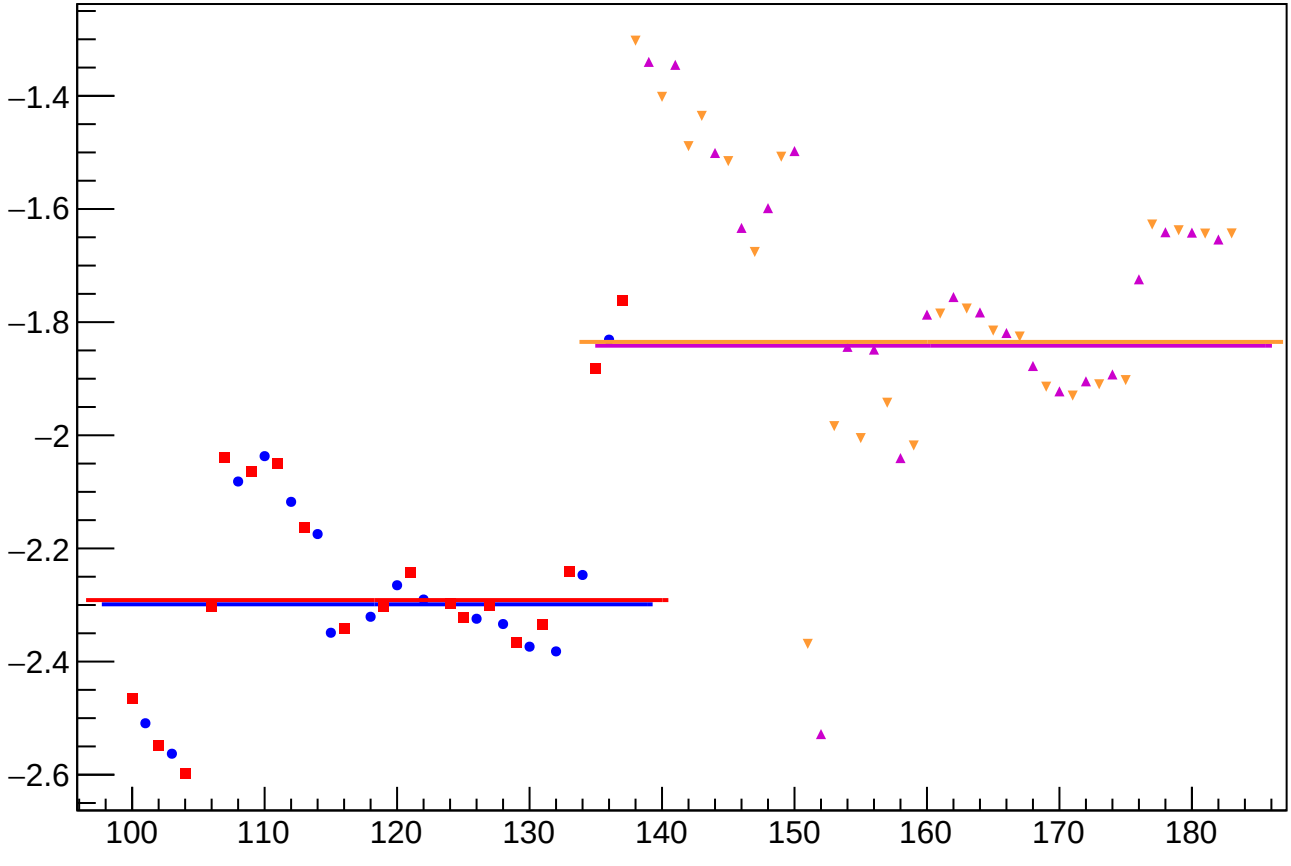
In: -0.231+/-0.000 χ^2/NDF:4410606556747.6/37

Out: -0.288+/-0.000 χ^2/NDF:4617172836544.6/42

All: -0.260+/-0.000 χ^2/NDF: 9033936932152


yield_bpm0i01Y_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 1172434.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1219518.4/23
Right Out: 0.002+/-0.000 χ²/NDF: 1546830.8/18
Left In: 0.002+/-0.000 χ²/NDF:1409483.2/21
Left: 0.002+/-0.000 χ²/NDF: 2630152.0/45
Right: 0.002+/-0.000 χ²/NDF: 2738423.5/34
In: 0.002+/-0.000 χ²/NDF:2617745.5/37
Out: 0.002+/-0.000 χ²/NDF:2766349.2/42
All: 0.002+/-0.000 χ²/NDF: 5385677.7/80

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.835+/-0.000 χ^2/NDF:37773977271.9/23

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.842+/-0.000 χ^2/NDF:52679622916.3/21

Left: -1.838+/-0.000 χ^2/NDF: 90474455465.2/45

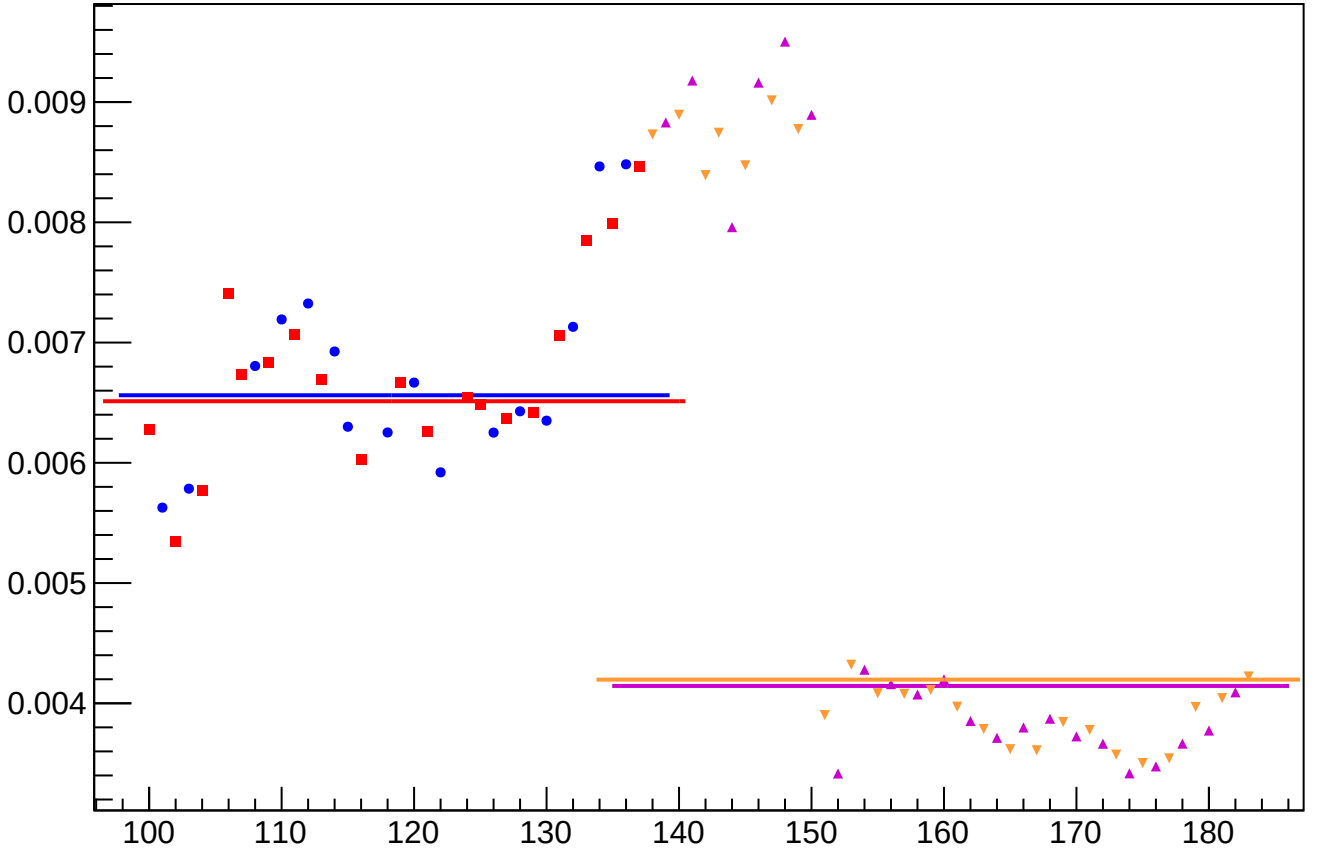
Right: -2.295+/-0.000 χ^2/NDF: 12964639512.9/34

In: -1.909+/-0.000 χ^2/NDF:87421070414.4/37

Out: -1.903+/-0.000 χ^2/NDF:74302966137.3/42

All: -1.906+/-0.000 χ^2/NDF: 161749438941.1

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:3091478.5/23

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: 6287457.5/45

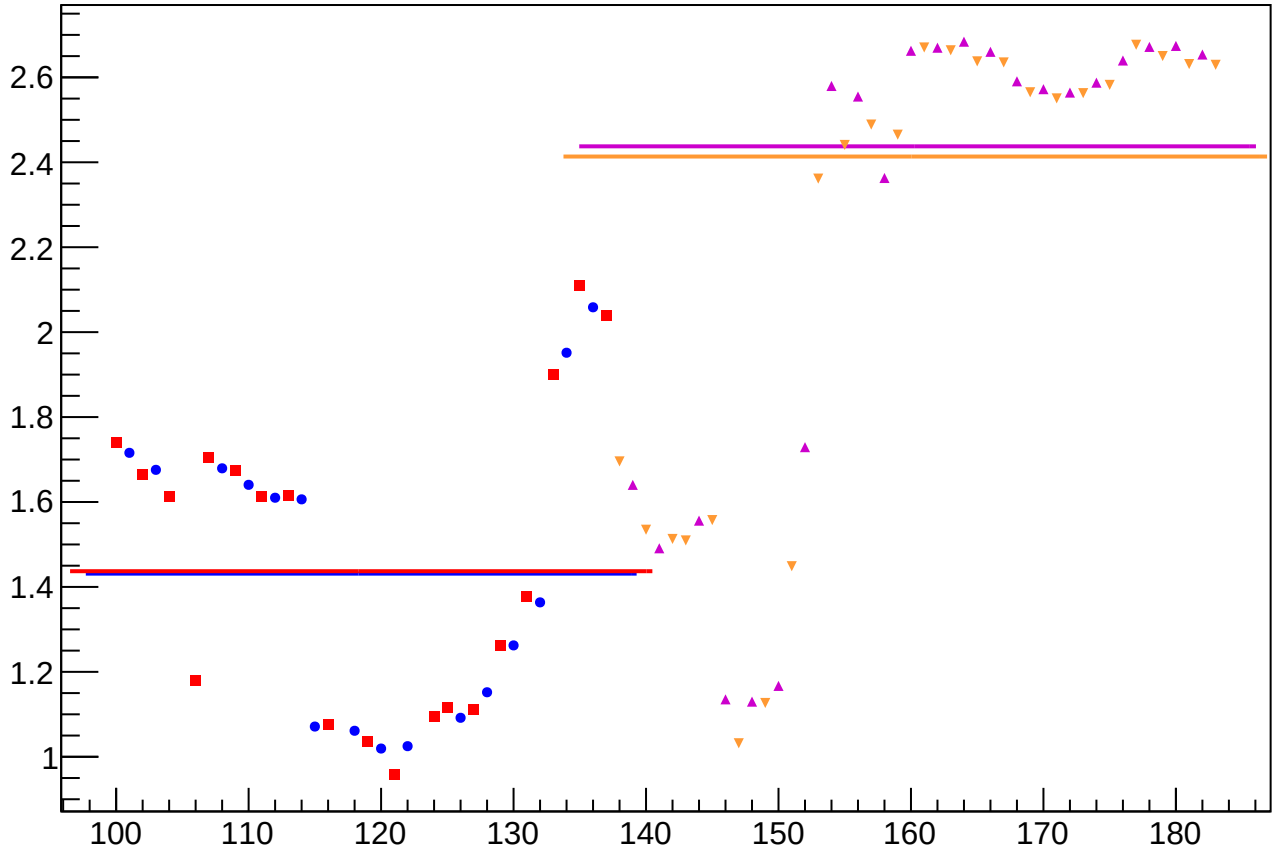
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:5015166.8/37

Out: 0.005+/-0.000 χ^2/NDF:4804767.8/42

All: 0.005+/-0.000 χ^2/NDF: 9821478.1/80

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.414+/-0.000 χ^2/NDF:242172532231.1/23

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: 2.425+/-0.000 χ^2/NDF: 473445482099.5/45

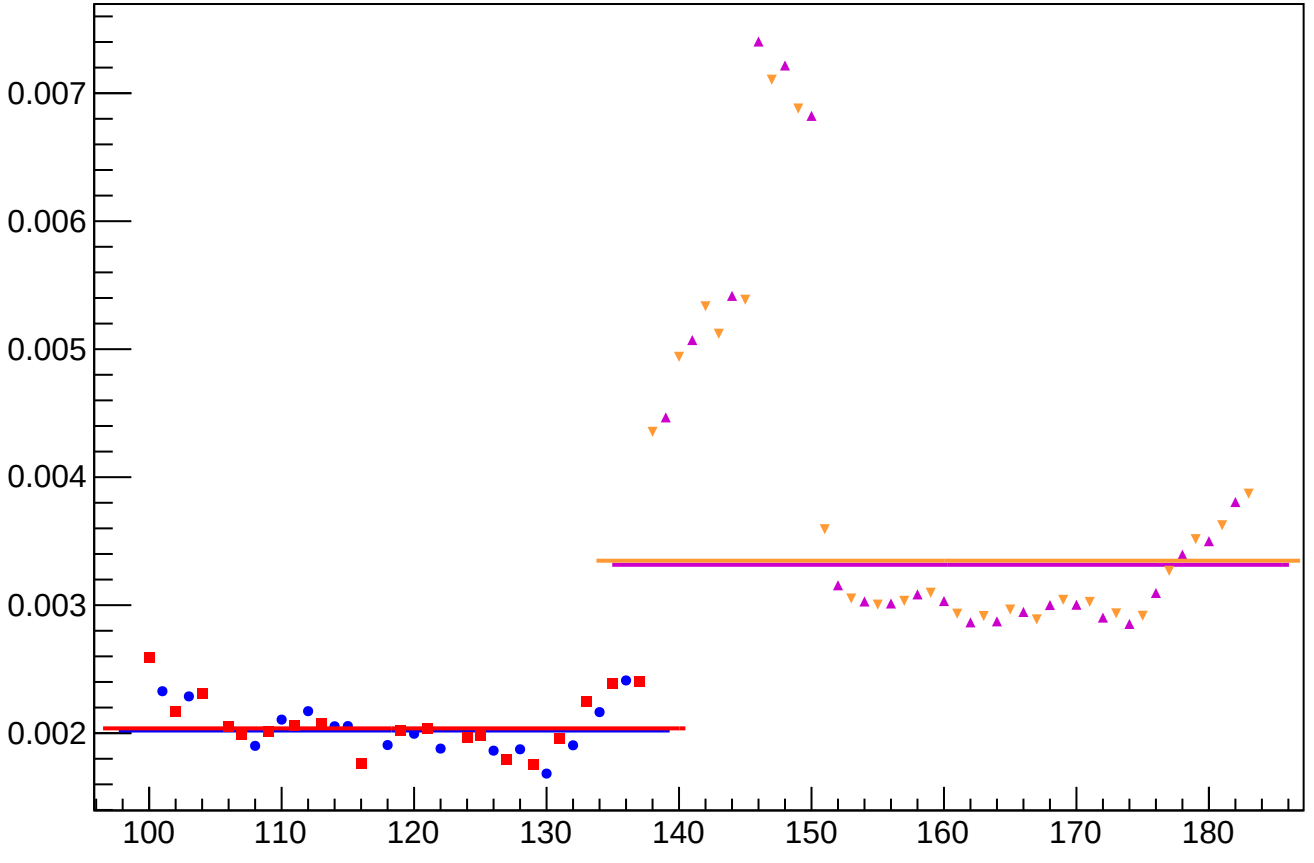
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.907+/-0.000 χ^2/NDF:1198498266288.0/37

Out: 1.910+/-0.000 χ^2/NDF:1178146064987.8/42

All: 1.909+/-0.000 χ^2/NDF: 2376659061036.

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:1813706.1/23

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: 3867727.0/45

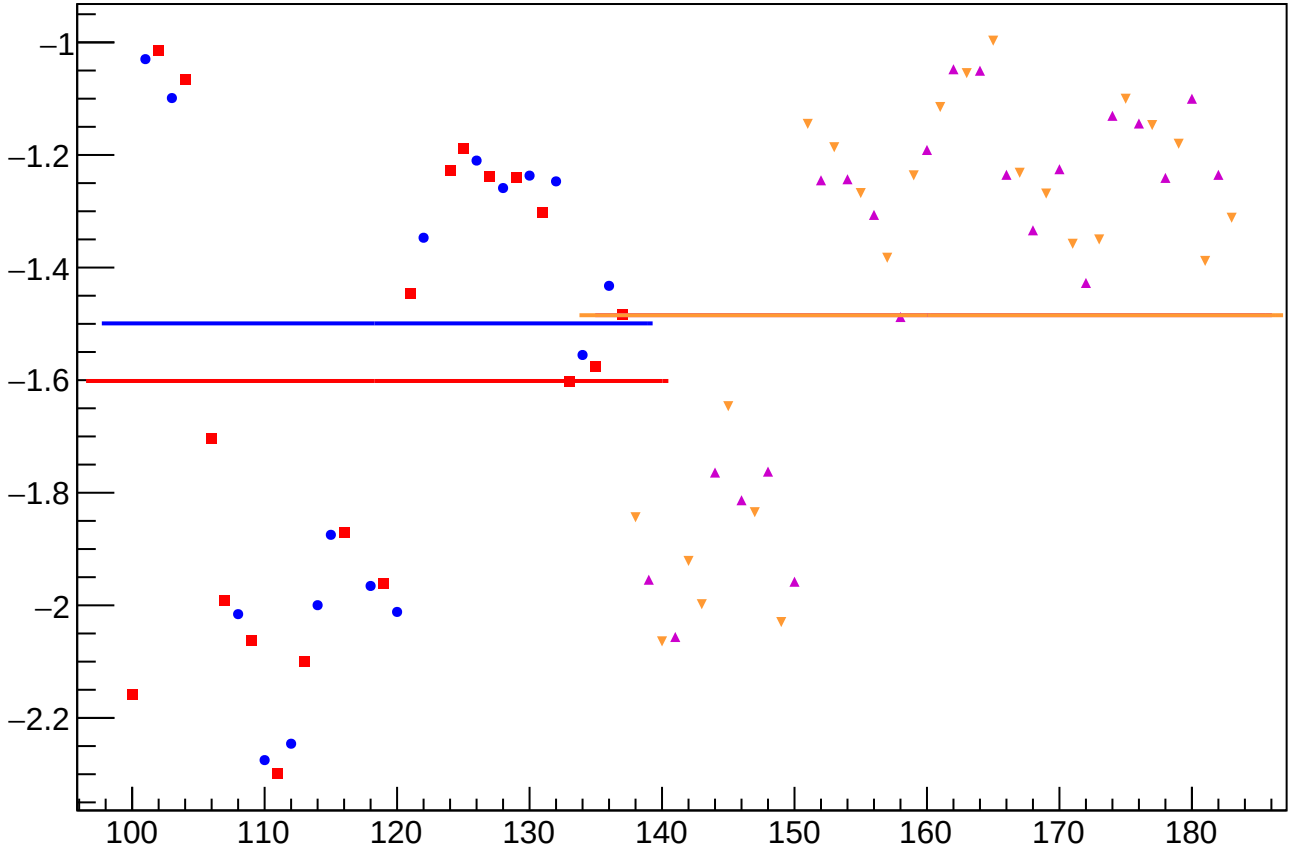
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.003+/-0.000 χ^2/NDF:4785853.4/37

Out: 0.003+/-0.000 χ^2/NDF:4640900.5/42

All: 0.003+/-0.000 χ^2/NDF: 9431590.7/80

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.485+/-0.000 χ^2/NDF:48429602941.6/23

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.484+/-0.000 χ^2/NDF:40310647769.3/21

Left: -1.485+/-0.000 χ^2/NDF: 88740255725.2/45

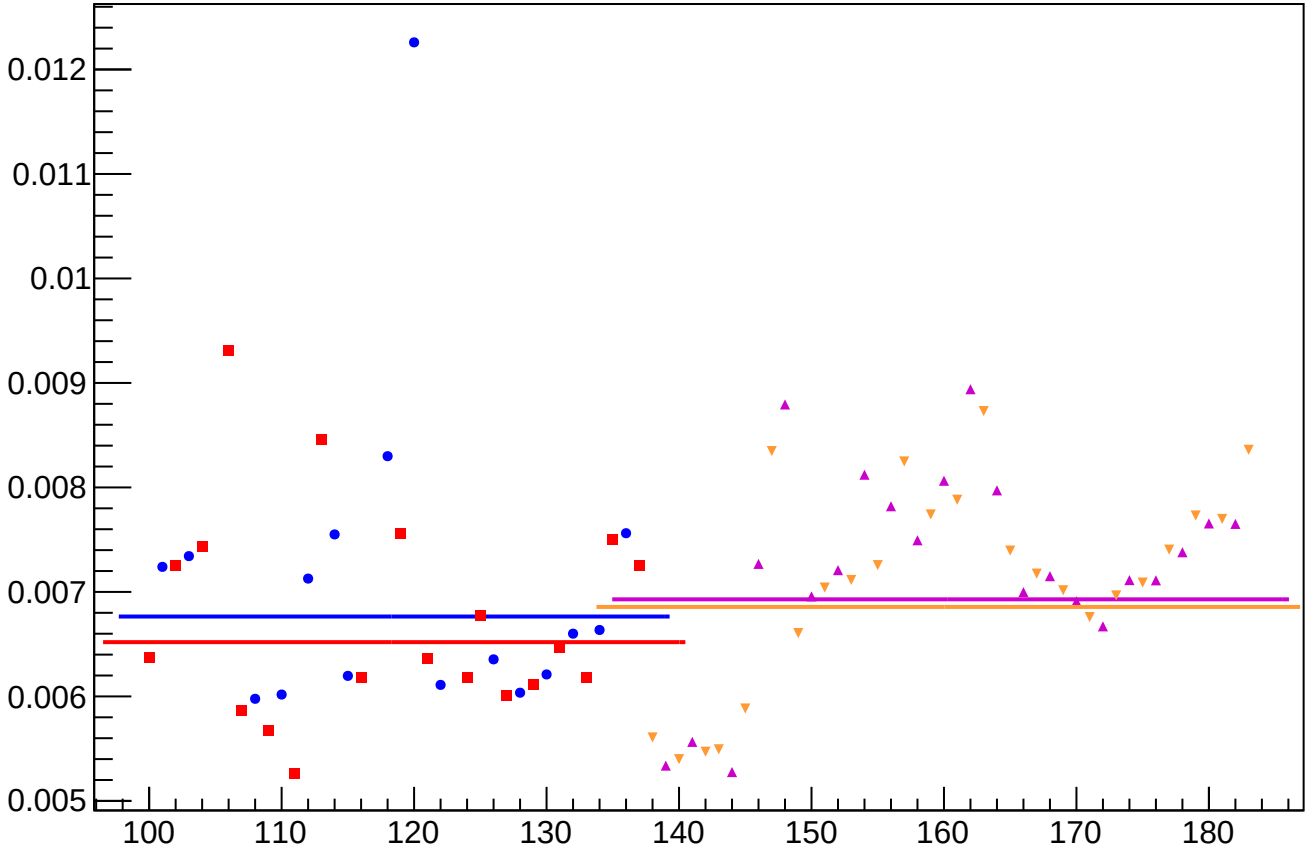
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.489+/-0.000 χ^2/NDF:63262723114.2/37

Out: -1.520+/-0.000 χ^2/NDF:78306296785.2/42

All: -1.505+/-0.000 χ^2/NDF: 141814770617.9

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:717376.8/23

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: 1443515.8/45

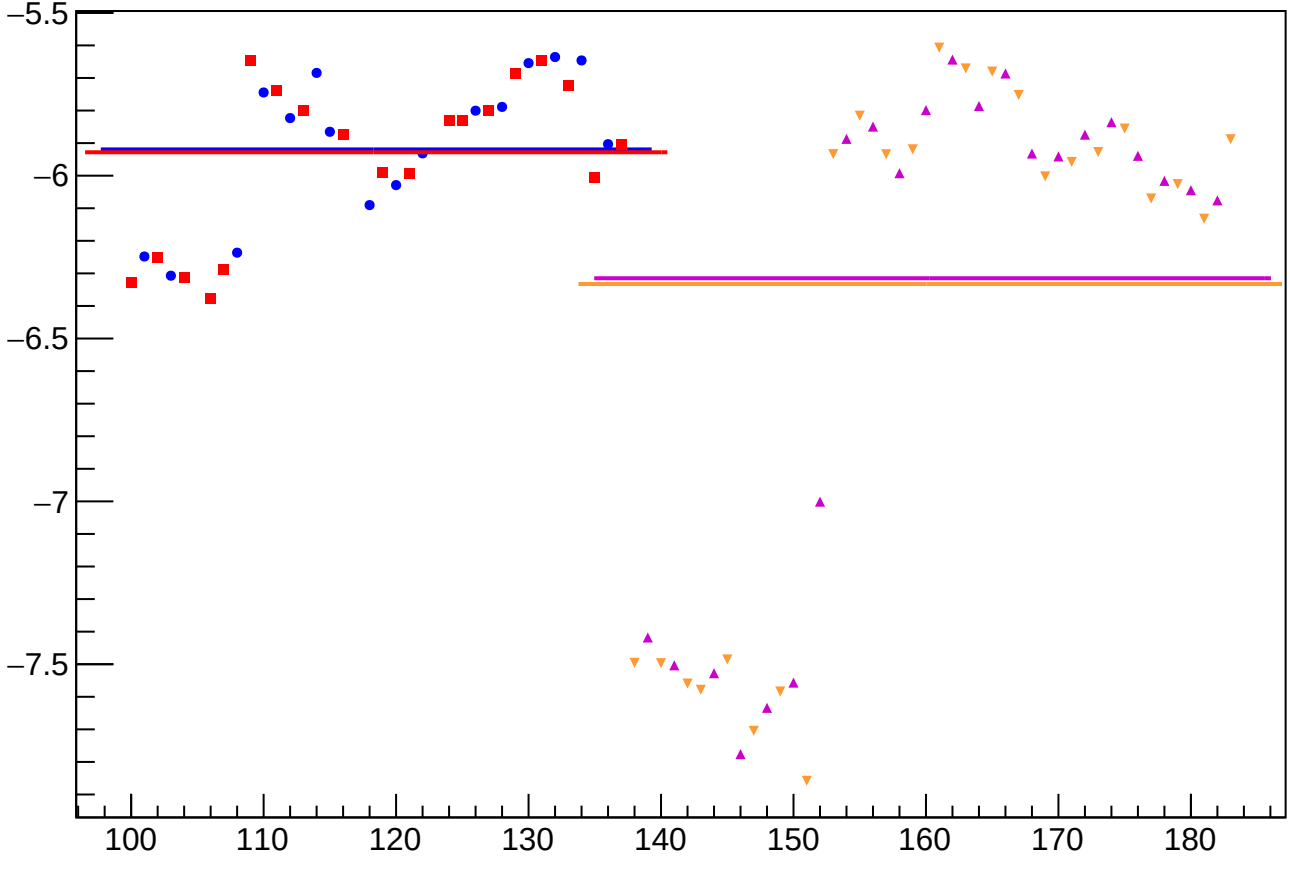
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:968236.4/37

Out: 0.007+/-0.000 χ^2/NDF:988634.5/42

All: 0.007+/-0.000 χ^2/NDF: 1965047.1/80

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.333+/-0.000 χ^2/NDF:110122289759.1/23

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: -6.324+/-0.000 χ^2/NDF: 201515266264.1/45

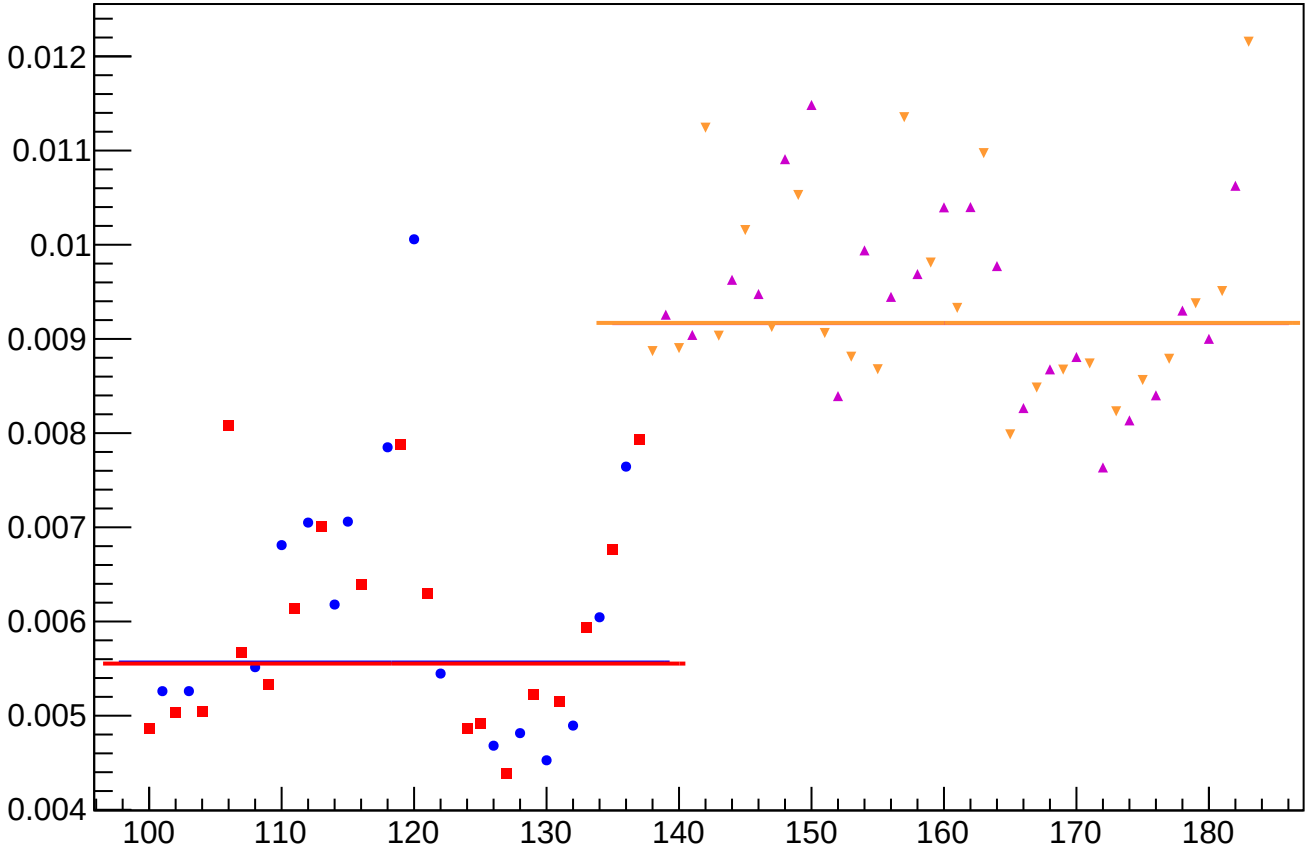
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.108+/-0.000 χ^2/NDF:117889630951.5/37

Out: -6.120+/-0.000 χ^2/NDF:139097622426.0/42

All: -6.114+/-0.000 χ^2/NDF: 257014399843.8

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:306938.4/23

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: 617831.0/45

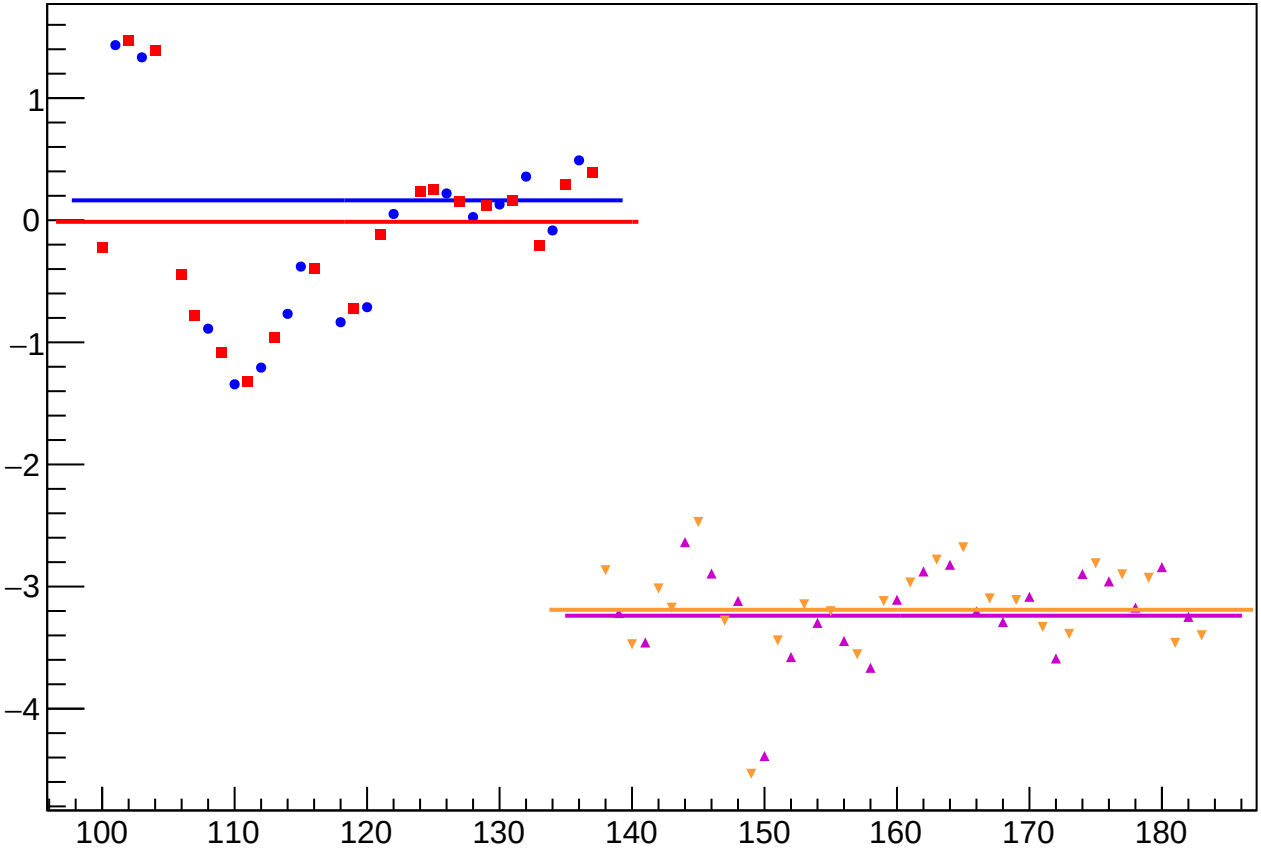
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:3260180.9/37

Out: 0.007+/-0.000 χ^2/NDF:3283481.2/42

All: 0.007+/-0.000 χ^2/NDF: 6543752.3/80

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.190+/-0.000 χ^2/NDF:9398920133.2/23

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: -3.214+/-0.000 χ^2/NDF: 17368627815.4/45

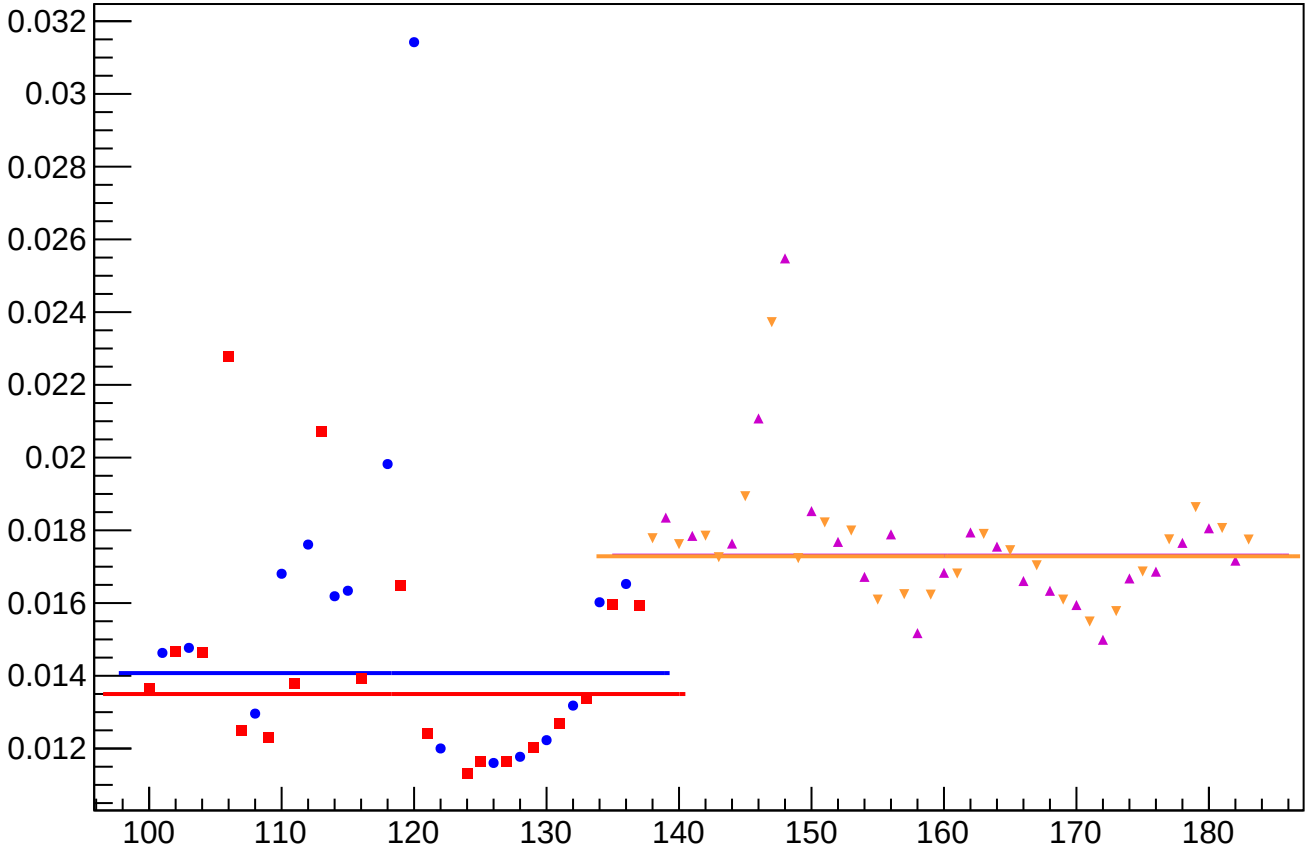
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -2.027+/-0.000 χ^2/NDF:262973485493.1/37

Out: -1.991+/-0.000 χ^2/NDF:265537277622.3/42

All: -2.008+/-0.000 χ^2/NDF: 528573075424.2

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:215802.3/23

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: 542881.0/45

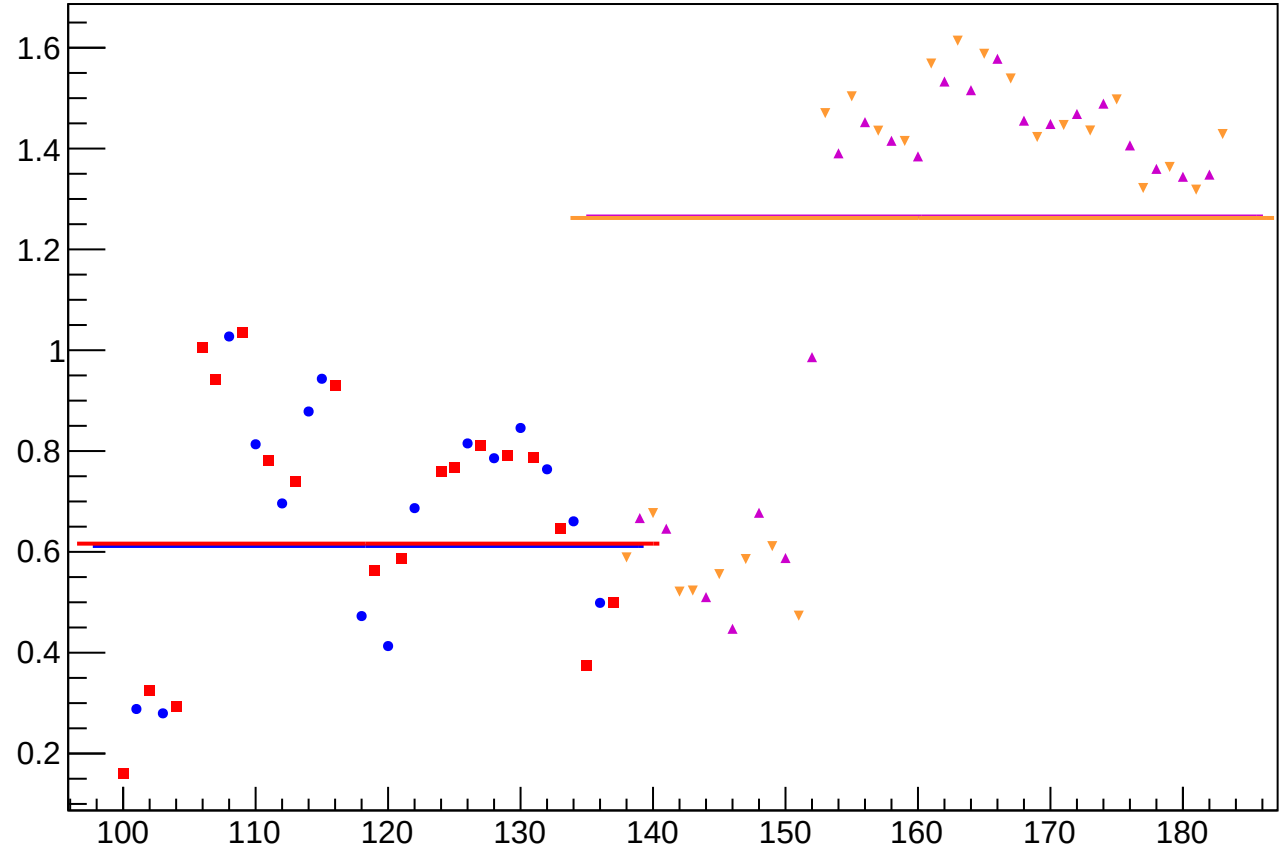
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1220085.4/37

Out: 0.016+/-0.000 χ^2/NDF:1194840.4/42

All: 0.016+/-0.000 χ^2/NDF: 2423203.5/80

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.262+/-0.000 χ^2/NDF:45536934069.9/23

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: 1.264+/-0.000 χ^2/NDF: 83078721798.6/45

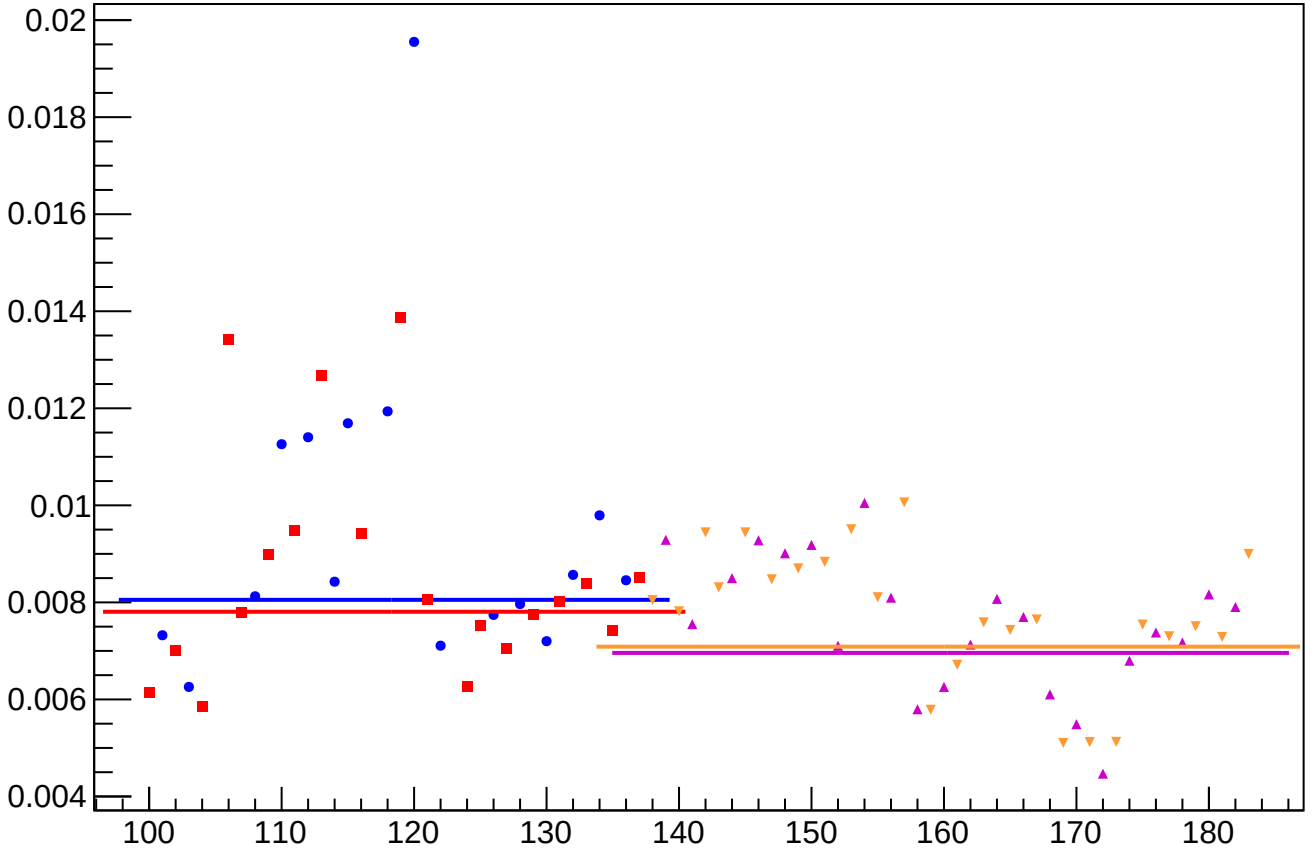
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 1.120+/-0.000 χ^2/NDF:74546289114.1/37

Out: 1.108+/-0.000 χ^2/NDF:85349694213.5/42

All: 1.114+/-0.000 χ^2/NDF: 159928013972.5

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:1474265.3/23

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: 2918184.2/45

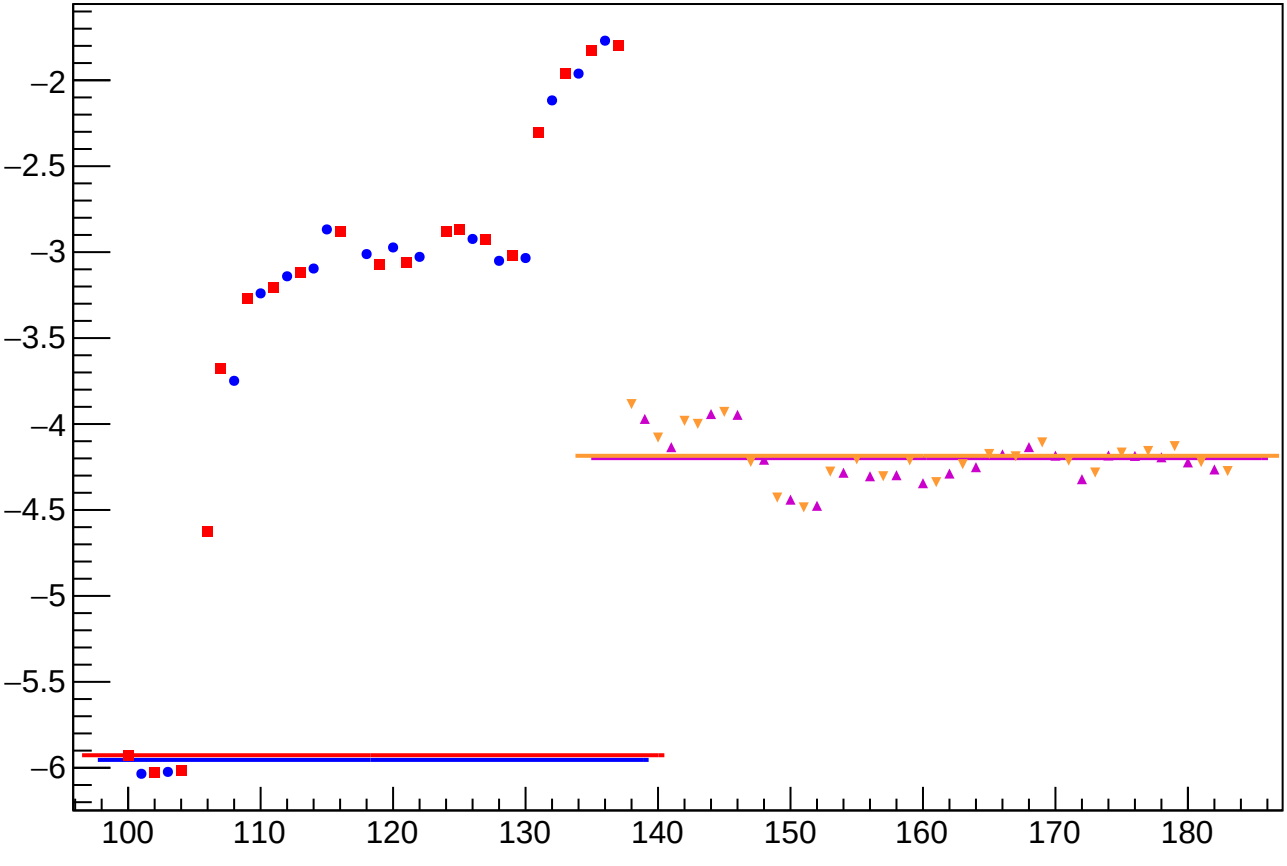
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.007+/-0.000 χ^2/NDF:2212571.5/37

Out: 0.007+/-0.000 χ^2/NDF:2144291.3/42

All: 0.007+/-0.000 χ^2/NDF: 4358306.3/80

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.185+/-0.000 χ^2/NDF:54790112.7/23

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: 96991505.0/45

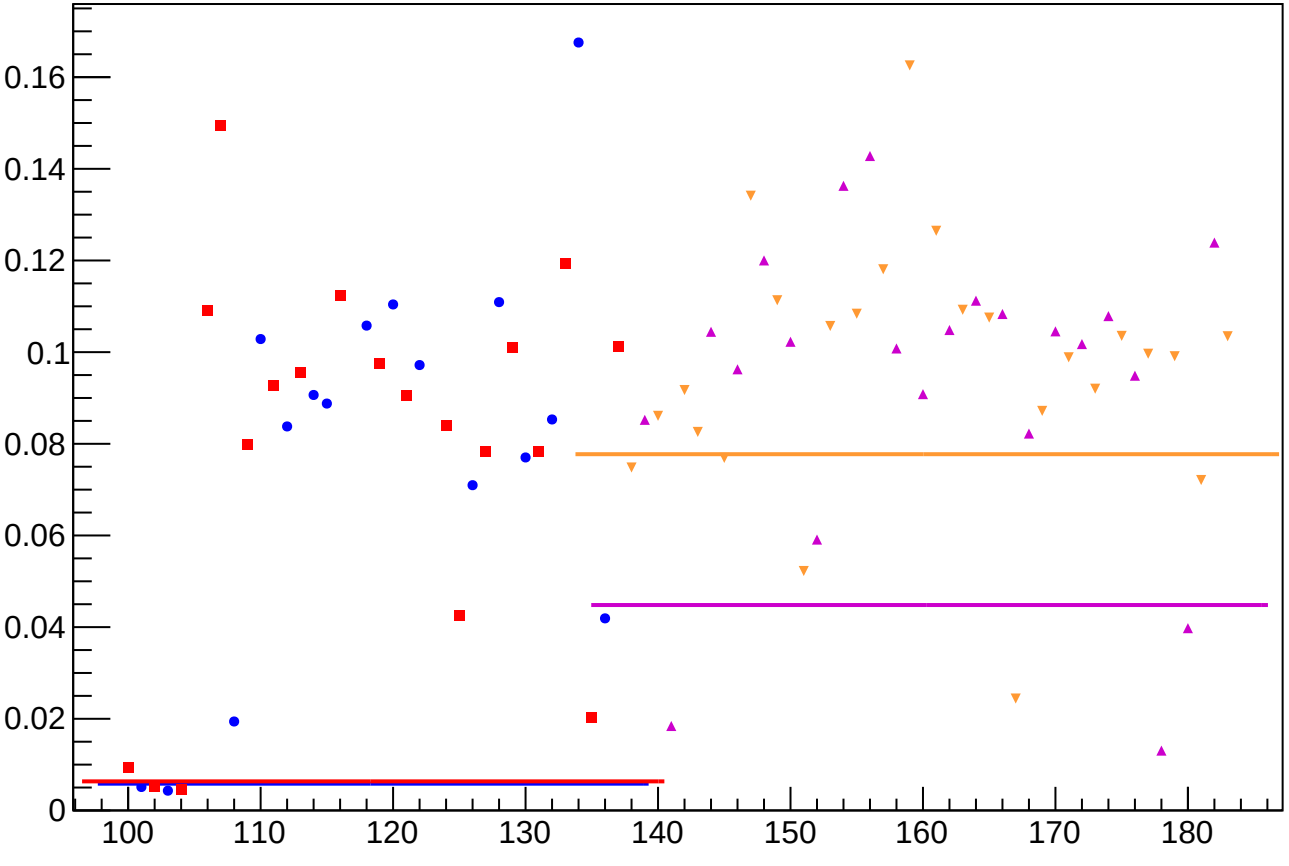
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.831+/-0.000 χ^2/NDF:24295523778.6/37

Out: -5.839+/-0.000 χ^2/NDF:20489850527.6/42

All: -5.834+/-0.000 χ^2/NDF: 44786831777.2/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.078+/-0.000 χ^2/NDF:4757691.9/23

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: 0.057+/-0.000 χ^2/NDF: 20371183.1/45

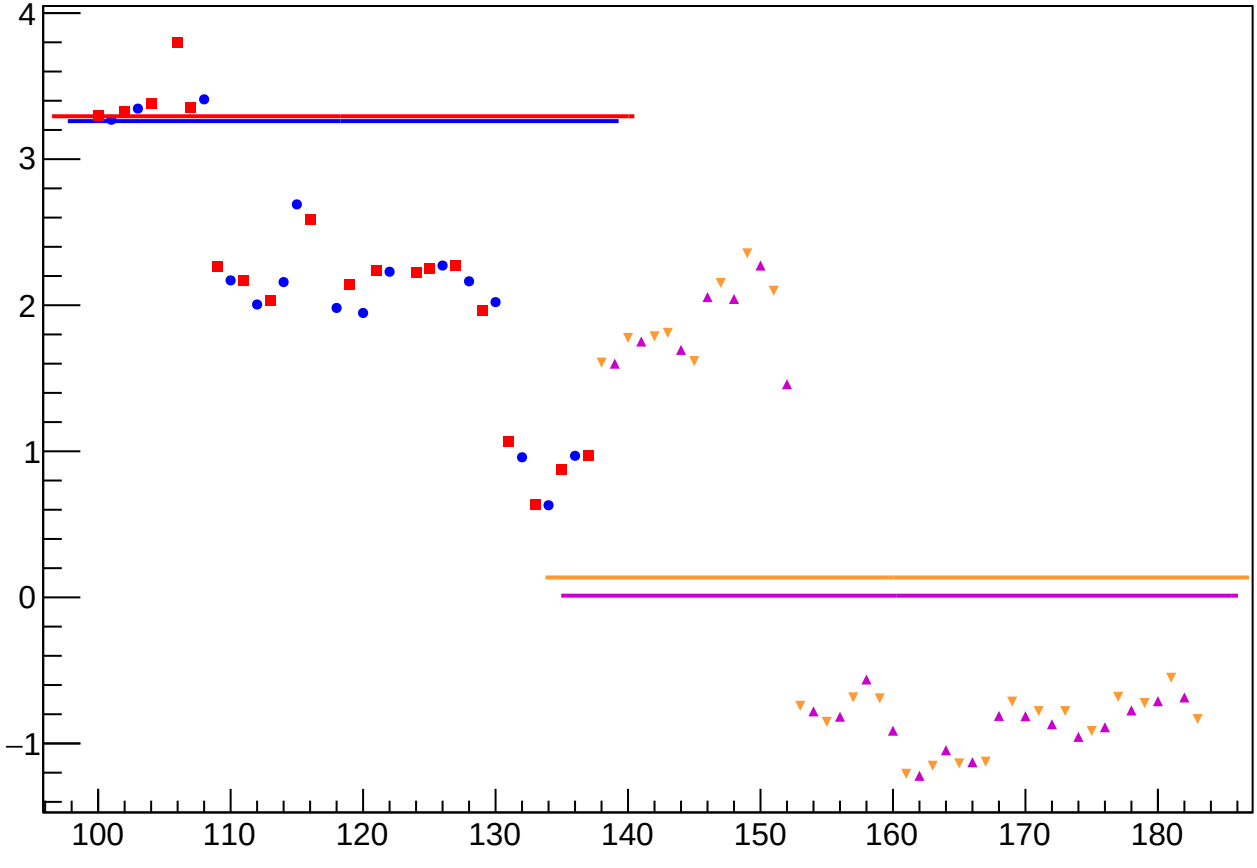
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.009+/-0.000 χ^2/NDF:32213473.7/37

Out: 0.010+/-0.000 χ^2/NDF:35381524.1/42

All: 0.009+/-0.000 χ^2/NDF: 67689847.8/80

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.136+/-0.000 χ^2/NDF:3498907195.2/23

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: 0.069+/-0.000 χ^2/NDF: 6919275560.5/45

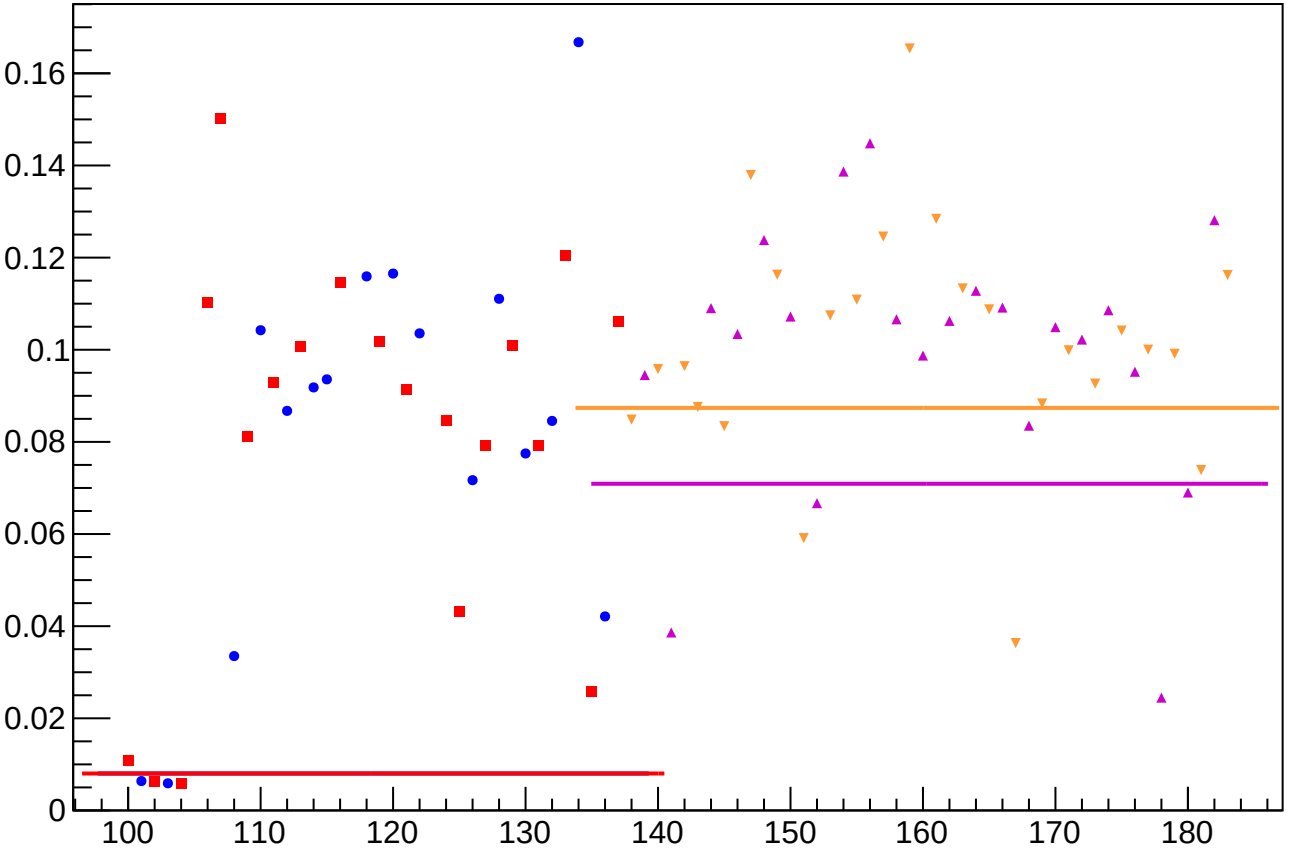
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.037+/-0.000 χ^2/NDF:28882705781.6/37

Out: 3.098+/-0.000 χ^2/NDF:24833141972.0/42

All: 3.067+/-0.000 χ^2/NDF: 53774265817.1/8

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.087+/-0.000 χ^2/NDF:3012107.6/23

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.071+/-0.000 χ^2/NDF:6475819.6/21

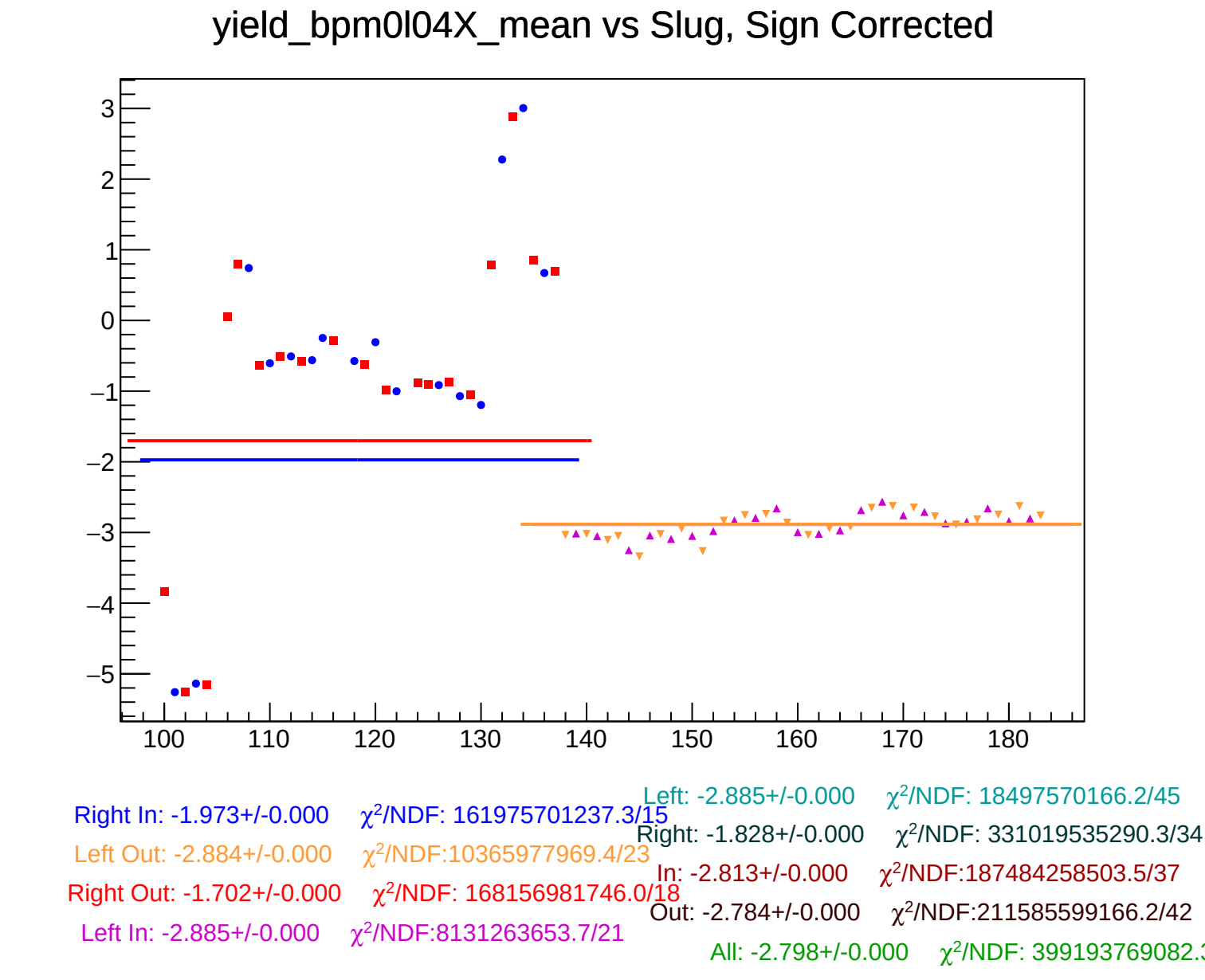
Left: 0.078+/-0.000 χ^2/NDF: 10056197.5/45

Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

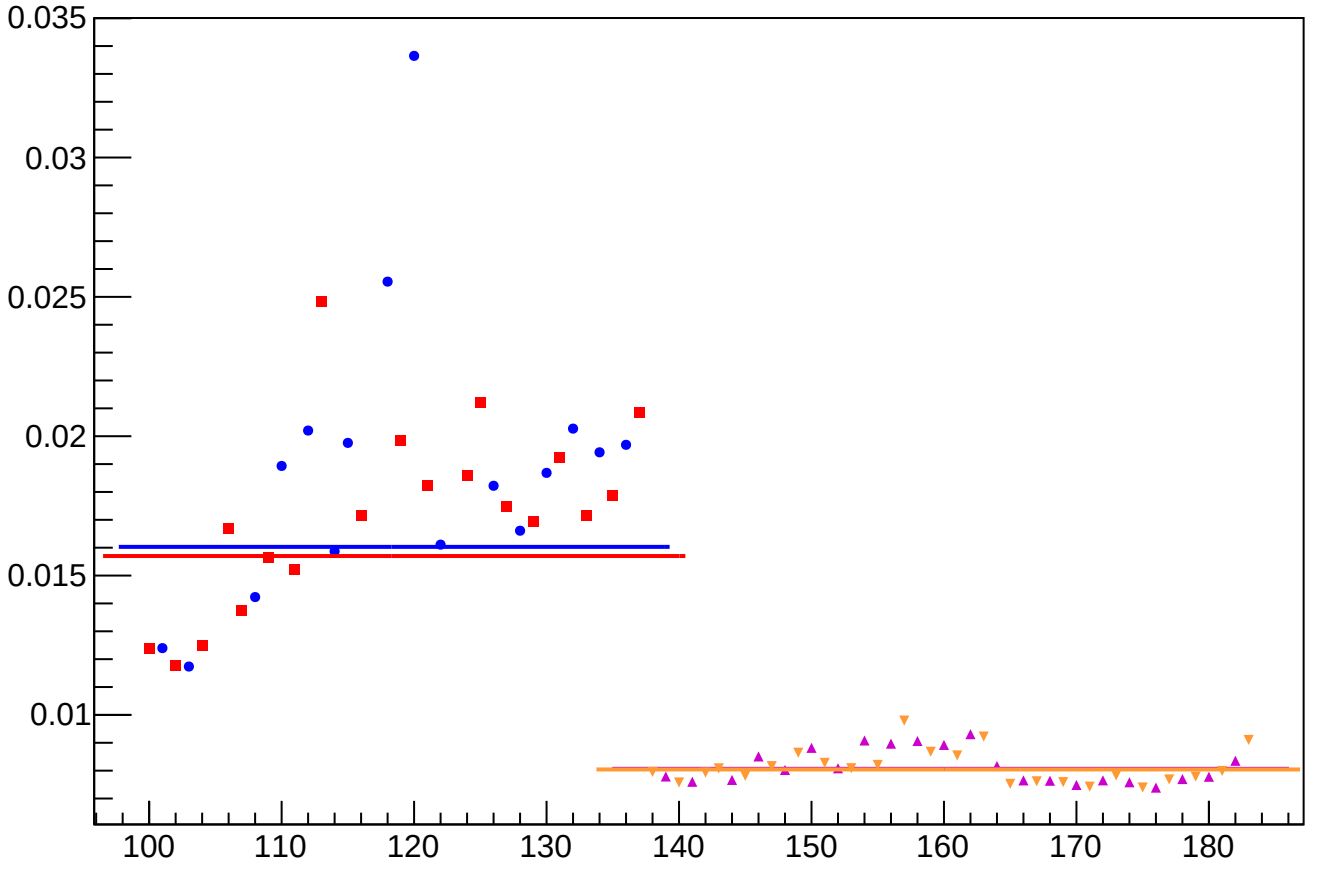
In: 0.012+/-0.000 χ^2/NDF:31731021.9/37

Out: 0.013+/-0.000 χ^2/NDF:34413260.1/42

All: 0.013+/-0.000 χ^2/NDF: 66156052.1/80


yield_bpm0l04X_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
Right In: -1.973+/-0.000 χ²/NDF: 161975701237.3/15
Left Out: -2.884+/-0.000 χ²/NDF:10365977969.4/23
Right Out: -1.702+/-0.000 χ²/NDF: 168156981746.0/18
Left In: -2.885+/-0.000 χ²/NDF:8131263653.7/21
Left: -2.885+/-0.000 χ²/NDF: 18497570166.2/45
Right: -1.828+/-0.000 χ²/NDF: 331019535290.3/34
In: -2.813+/-0.000 χ²/NDF:187484258503.5/37
Out: -2.784+/-0.000 χ²/NDF:211585599166.2/42
All: -2.798+/-0.000 χ²/NDF: 399193769082.3

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:171476.4/23

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: 347043.1/45

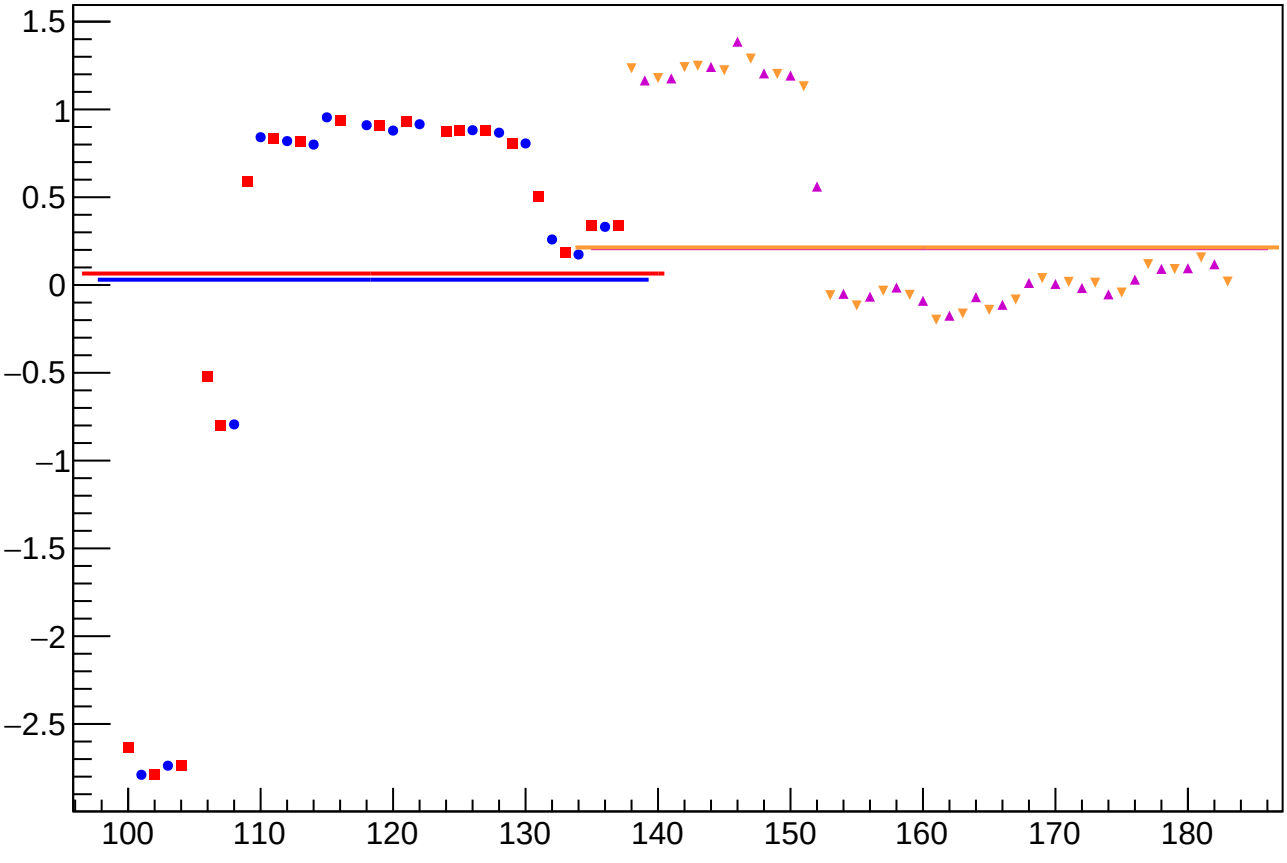
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3558044.5/37

Out: 0.009+/-0.000 χ^2/NDF:3450948.9/42

All: 0.009+/-0.000 χ^2/NDF: 7009009.3/80

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.214+/-0.000 χ^2/NDF:102710346685.3/23

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: 0.212+/-0.000 χ^2/NDF: 189653890197.0/45

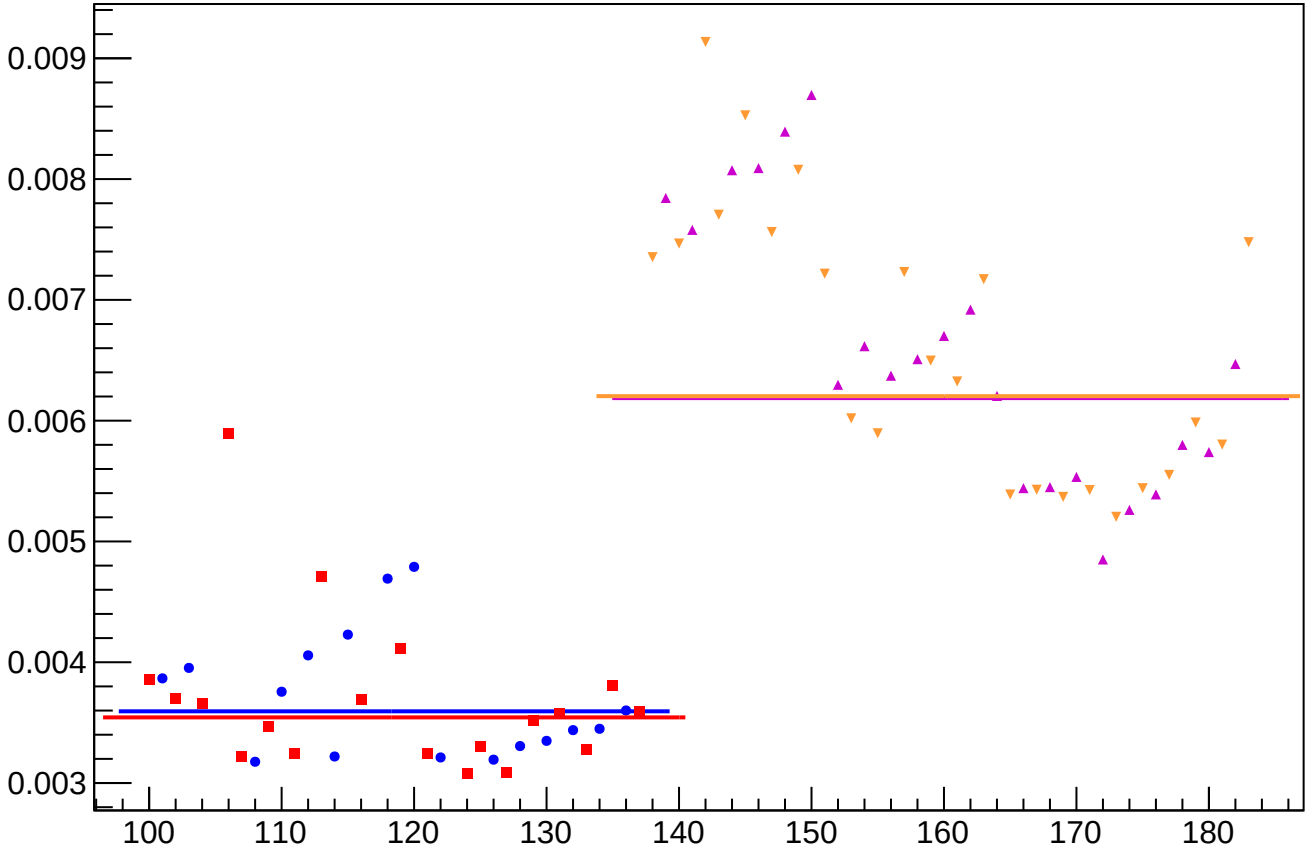
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.109+/-0.000 χ^2/NDF:945988153496.0/37

Out: 0.130+/-0.000 χ^2/NDF:1043546632904.4/42

All: 0.120+/-0.000 χ^2/NDF: 1989739217765.

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:773417.2/23

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: 1587622.3/45

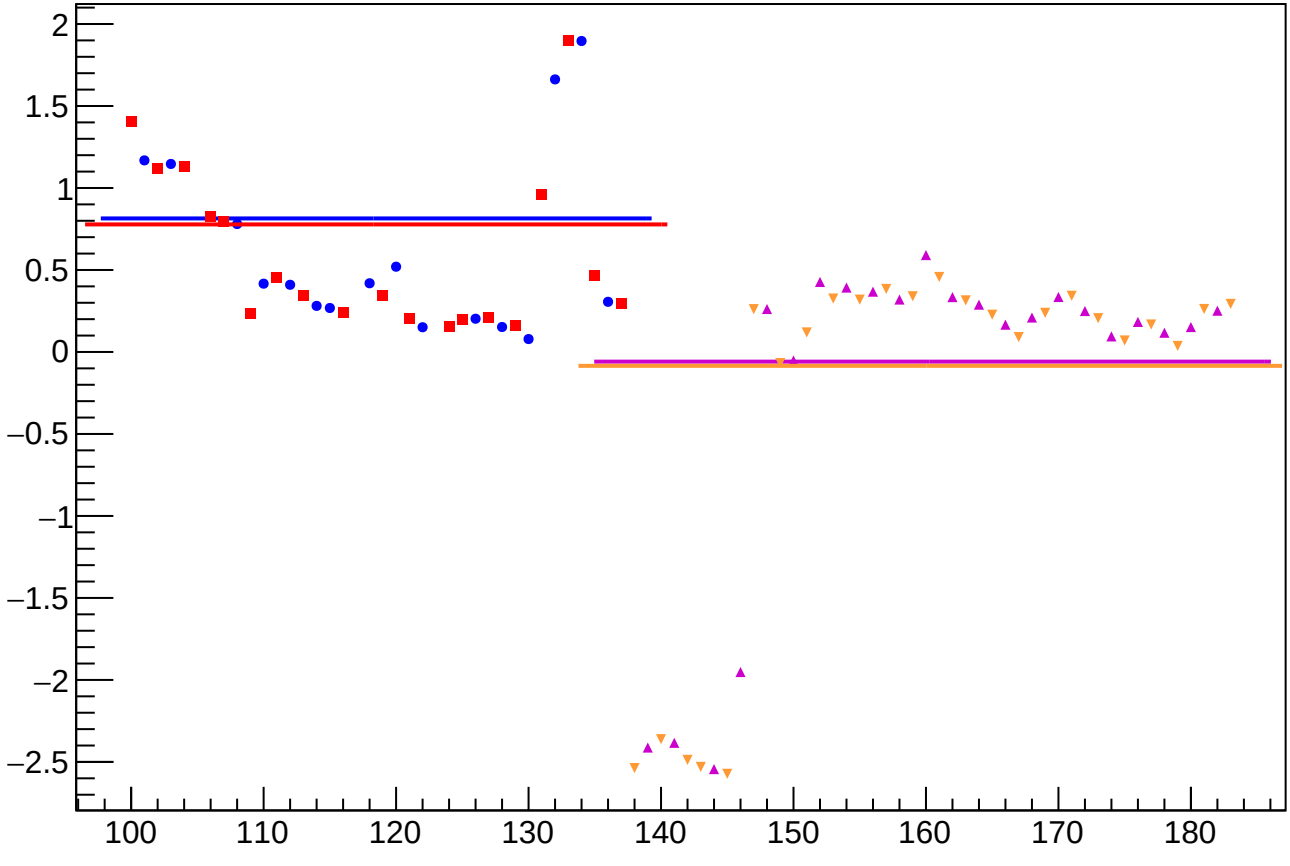
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.005+/-0.000 χ^2/NDF:4069776.6/37

Out: 0.005+/-0.000 χ^2/NDF:4426671.2/42

All: 0.005+/-0.000 χ^2/NDF: 8497732.5/80

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.085+/-0.000 χ^2/NDF:387736733456.0/23

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: -0.072+/-0.000 χ^2/NDF: 734339143773.1/45

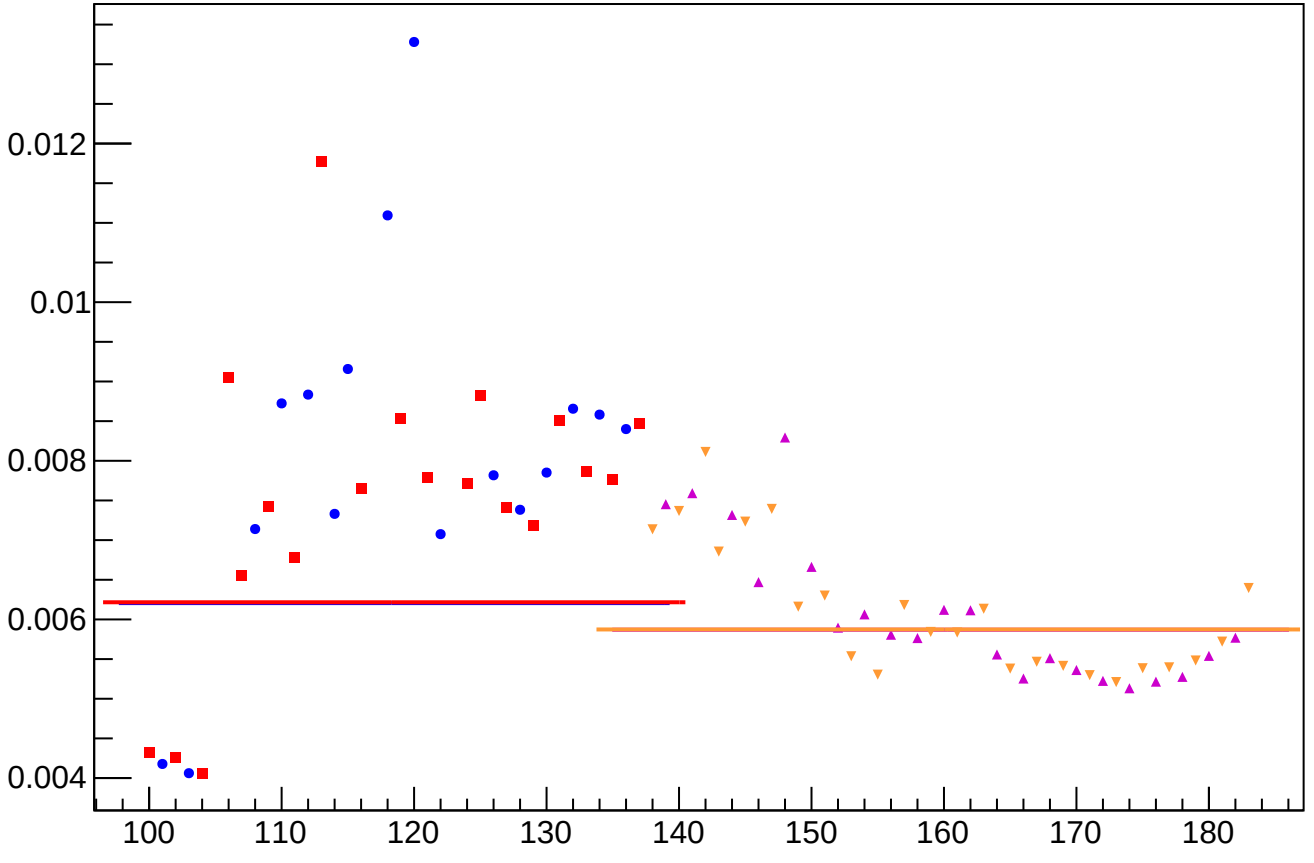
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.144+/-0.000 χ^2/NDF:466366282361.6/37

Out: 0.119+/-0.000 χ^2/NDF:510606197064.8/42

All: 0.131+/-0.000 χ^2/NDF: 977159815076.1

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:448333.0/23

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: 968791.6/45

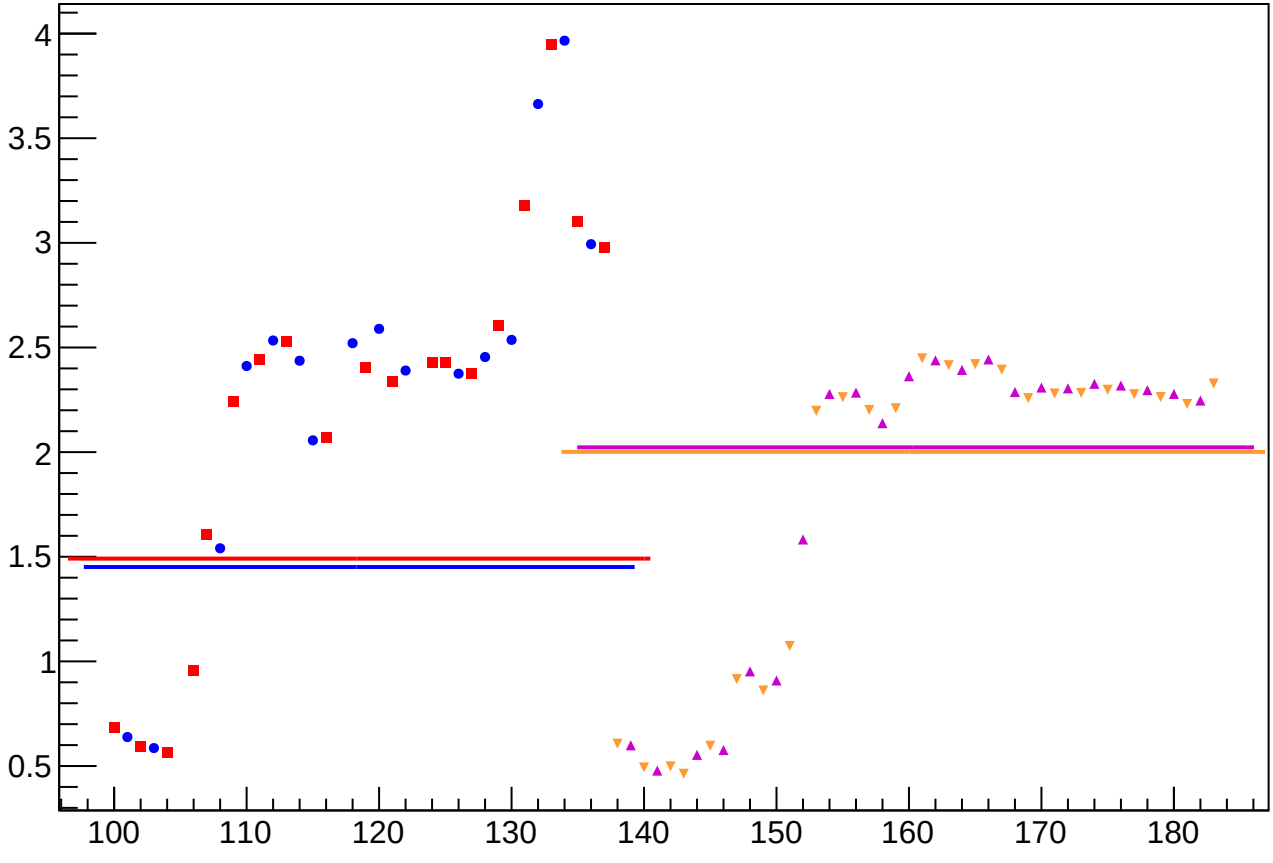
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1969381.7/37

Out: 0.006+/-0.000 χ^2/NDF:1637335.2/42

All: 0.006+/-0.000 χ^2/NDF: 3606746.7/80

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 2.001+/-0.000 χ^2/NDF:218731315910.6/23

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: 2.012+/-0.000 χ^2/NDF: 412660741698.4/45

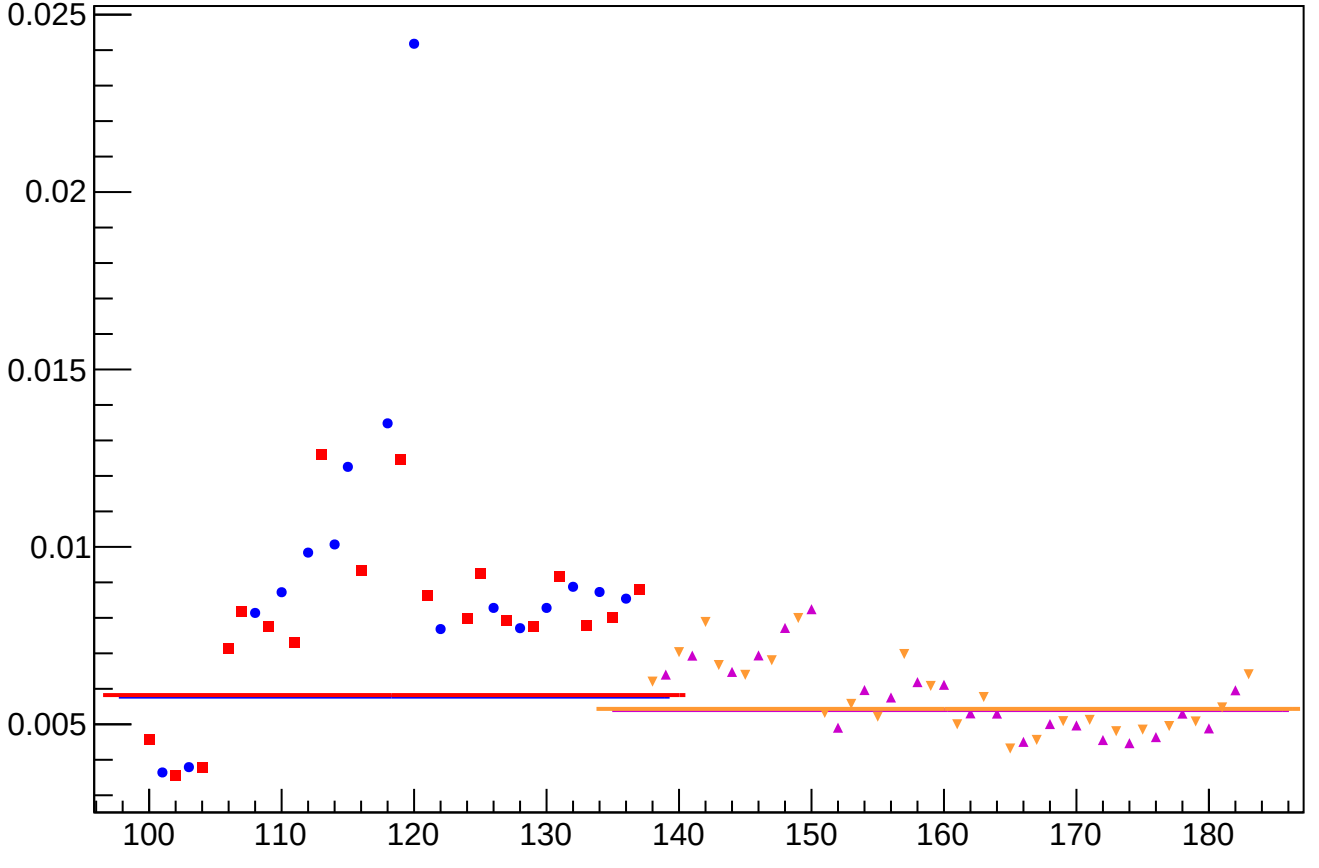
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.896+/-0.000 χ^2/NDF:401553711992.0/37

Out: 1.885+/-0.000 χ^2/NDF:438095707077.0/42

All: 1.890+/-0.000 χ^2/NDF: 839688330142.5

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:739304.4/23

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: 1554137.9/45

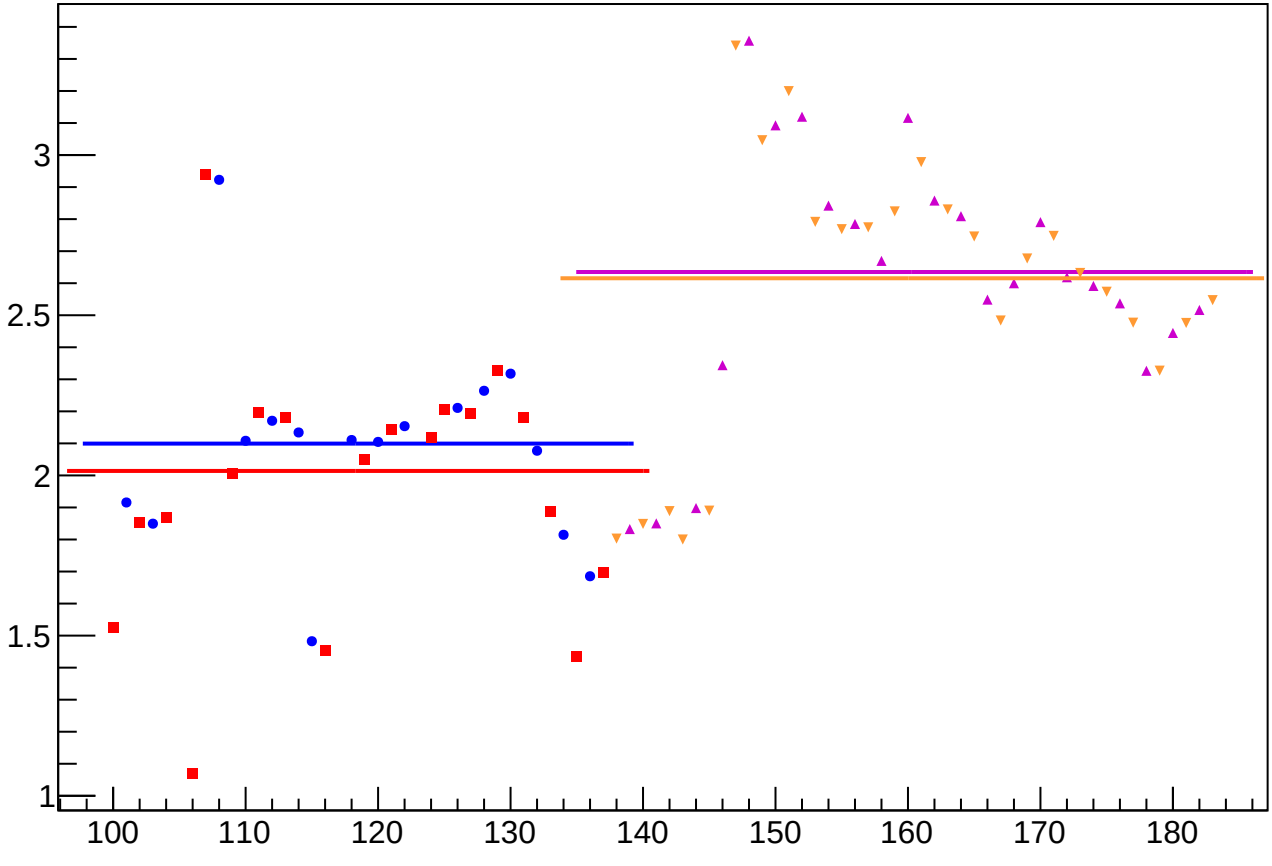
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.005+/-0.000 χ^2/NDF:3061593.0/37

Out: 0.006+/-0.000 χ^2/NDF:2732797.1/42

All: 0.006+/-0.000 χ^2/NDF: 5795359.0/80

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.615+/-0.000 χ^2/NDF:46306723570.3/23

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: 2.625+/-0.000 χ^2/NDF: 86772293699.8/45

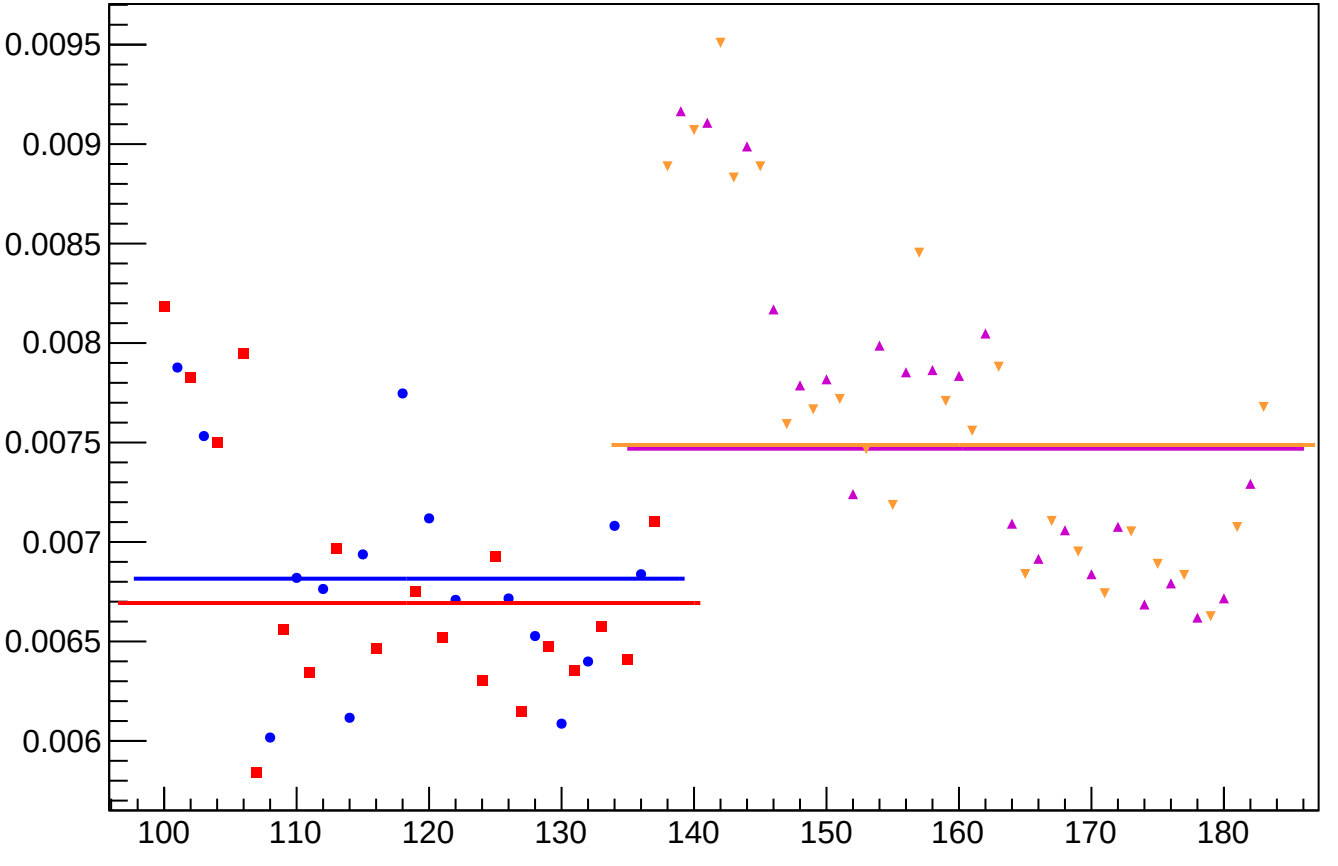
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.461+/-0.000 χ^2/NDF:82800559303.4/37

Out: 2.415+/-0.000 χ^2/NDF:104379313465.9/42

All: 2.437+/-0.000 χ^2/NDF: 187667250467.1

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:329749.6/23

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: 651697.1/45

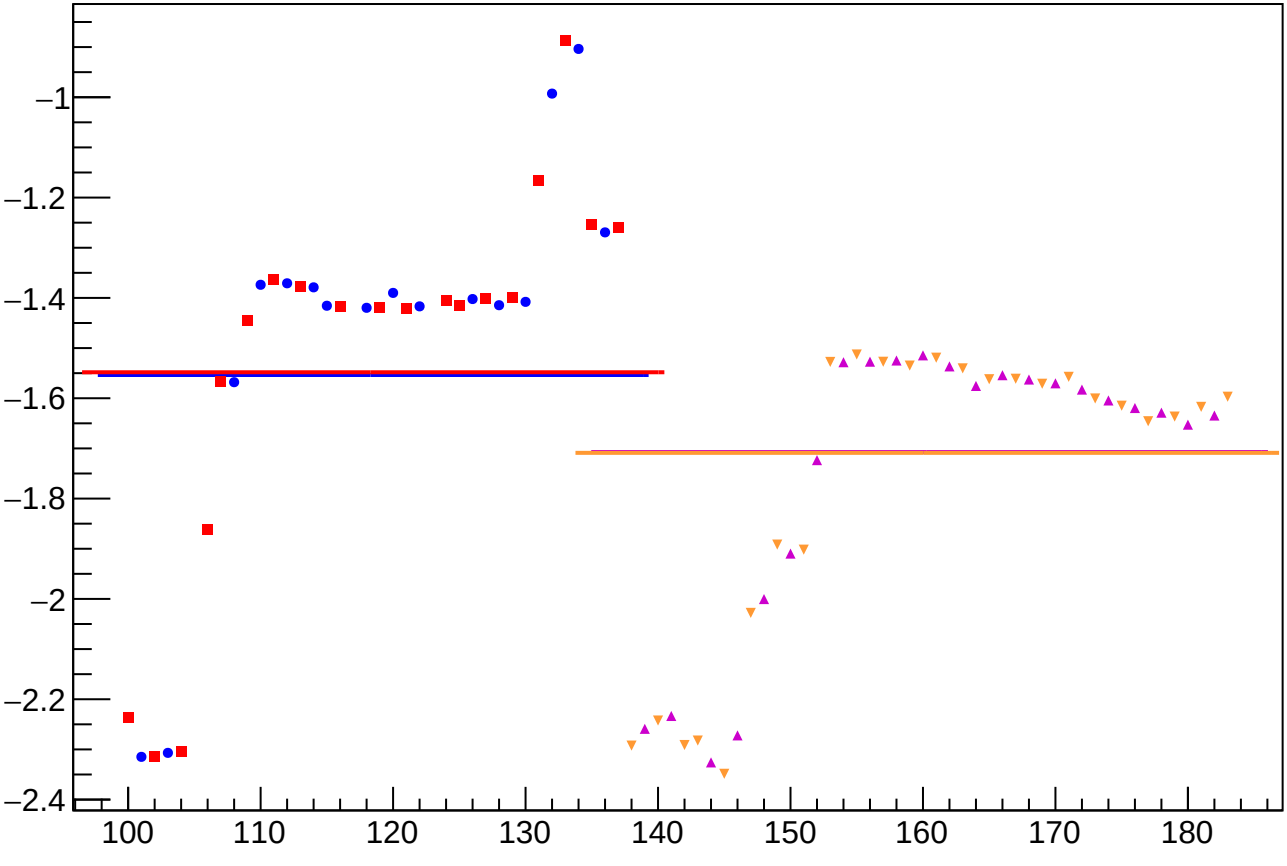
Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:493331.7/37

Out: 0.007+/-0.000 χ^2/NDF:551847.5/42

All: 0.007+/-0.000 χ^2/NDF: 1045701.4/80

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.709+/-0.000 χ^2/NDF:151493101798.9/23

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: -1.708+/-0.000 χ^2/NDF: 287593406567.5/45

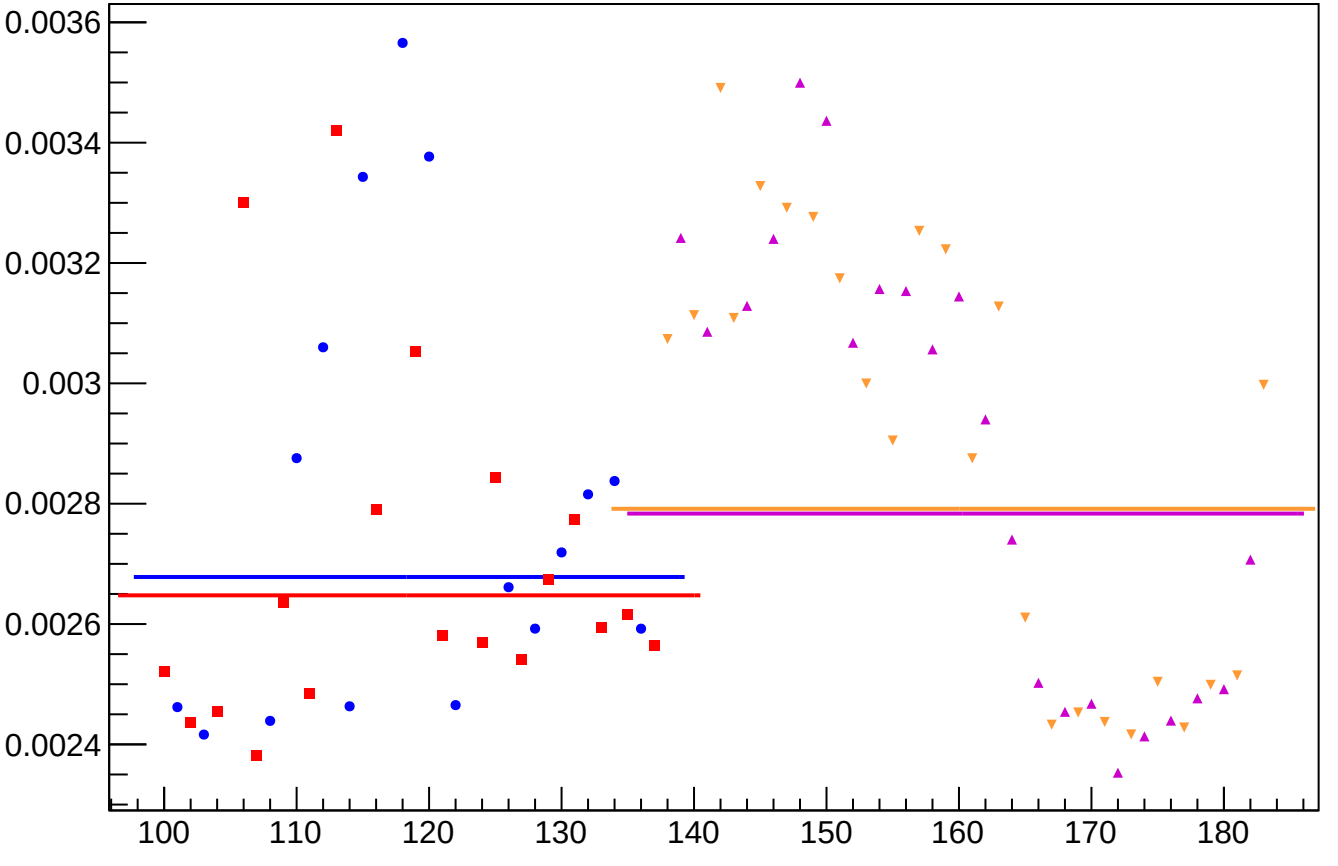
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.661+/-0.000 χ^2/NDF:326681189995.6/37

Out: -1.660+/-0.000 χ^2/NDF:344147069673.5/42

All: -1.660+/-0.000 χ^2/NDF: 670830633891.4

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:536620.1/23

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: 1093791.9/45

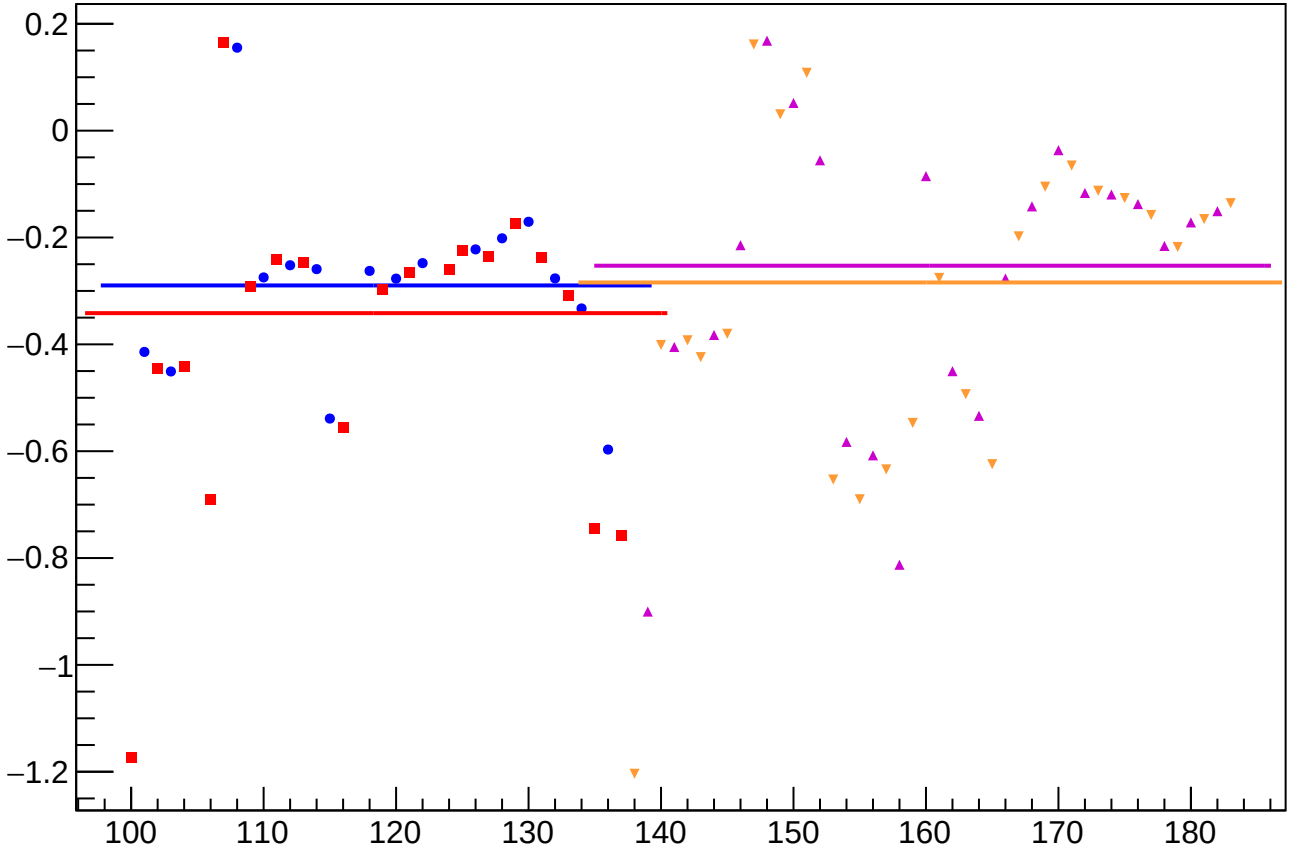
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:729434.1/37

Out: 0.003+/-0.000 χ^2/NDF:681503.5/42

All: 0.003+/-0.000 χ^2/NDF: 1410996.4/80

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.284+/-0.000 χ^2/NDF:9325973066.1/23

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: -0.269+/-0.000 χ^2/NDF: 16537599860.3/45

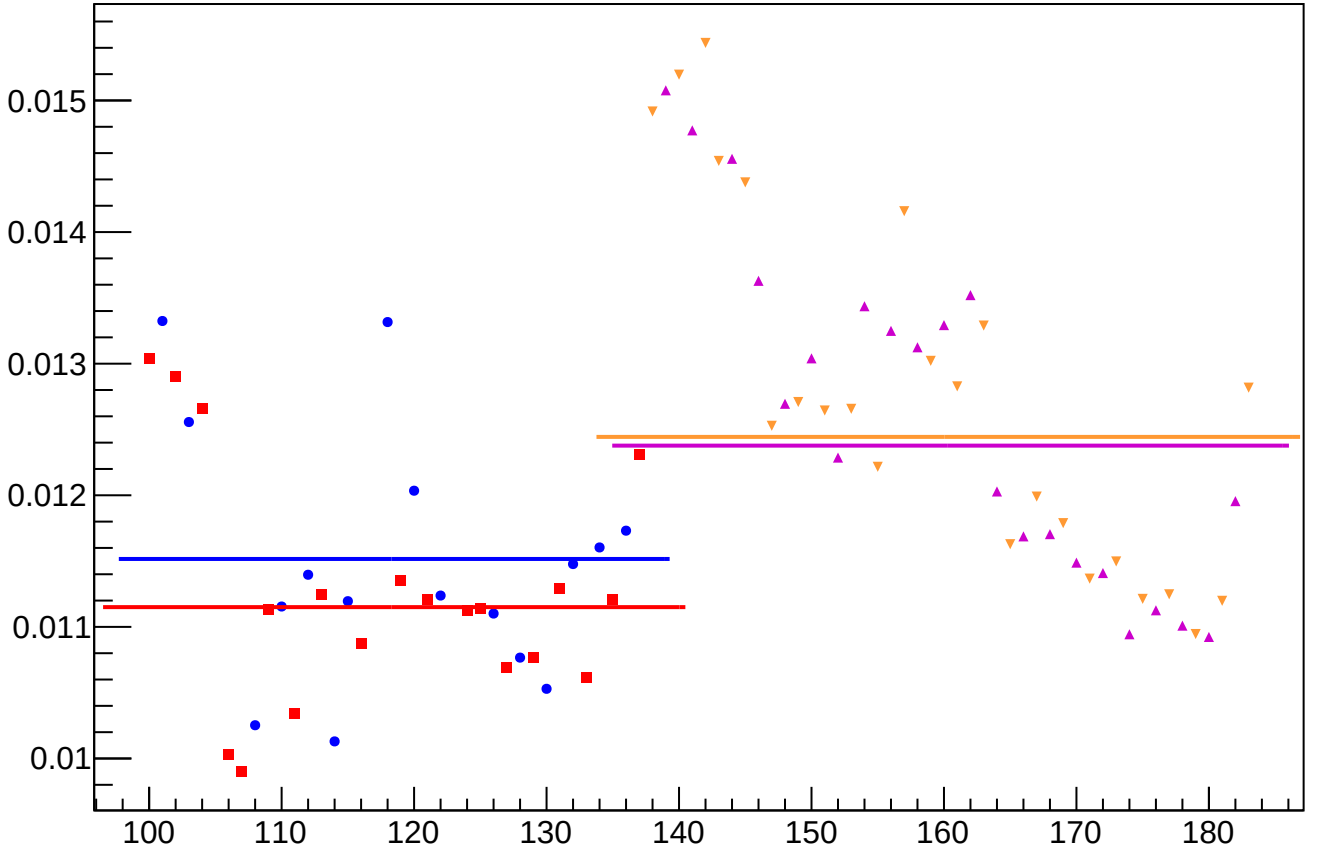
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.265+/-0.000 χ^2/NDF:8849308634.4/37

Out: -0.303+/-0.000 χ^2/NDF:12063287538.5/42

All: -0.285+/-0.000 χ^2/NDF: 21039388595.8/

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:339227.2/23

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: 666653.3/45

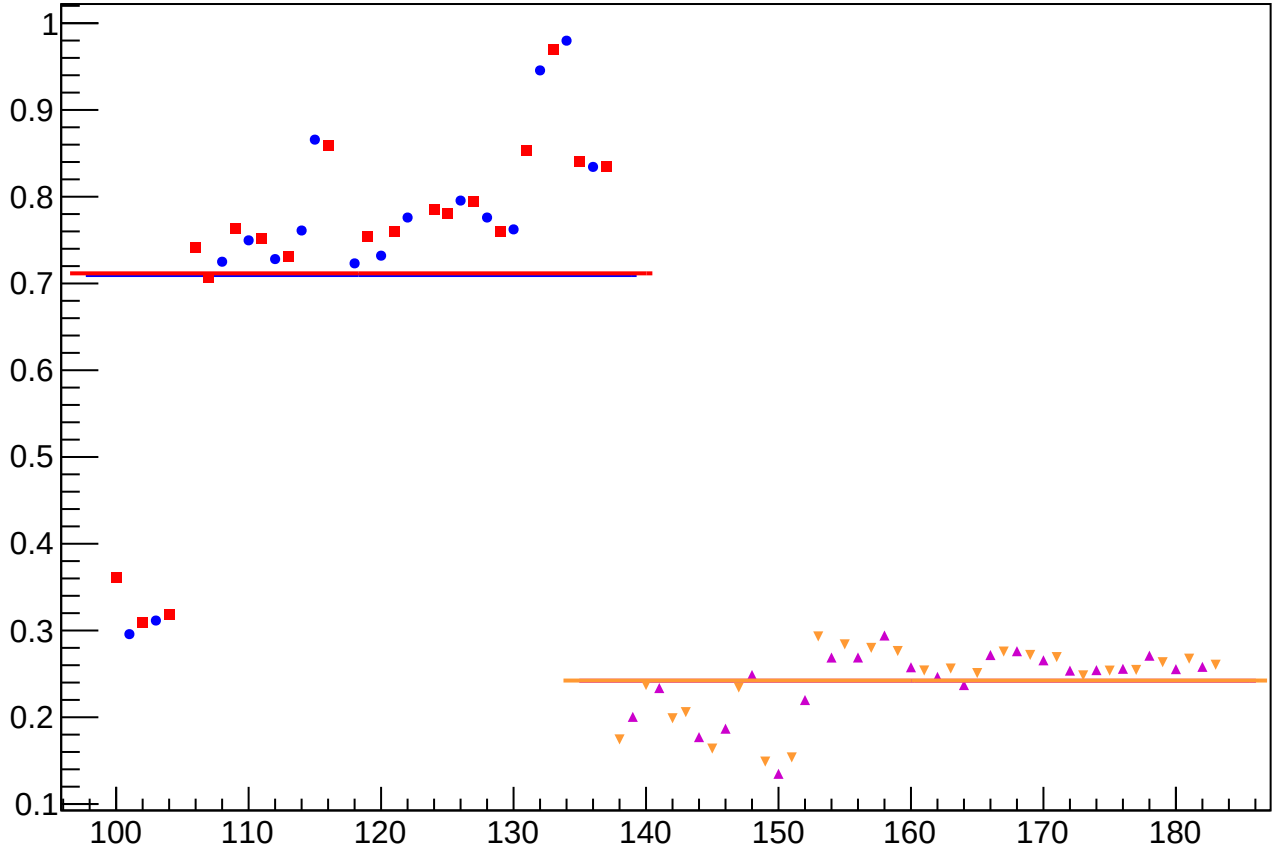
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:463843.1/37

Out: 0.012+/-0.000 χ^2/NDF:539773.8/42

All: 0.012+/-0.000 χ^2/NDF: 1005018.7/80

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.242+/-0.000 χ^2/NDF:7230041054.5/23

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: 12956925934.1/45

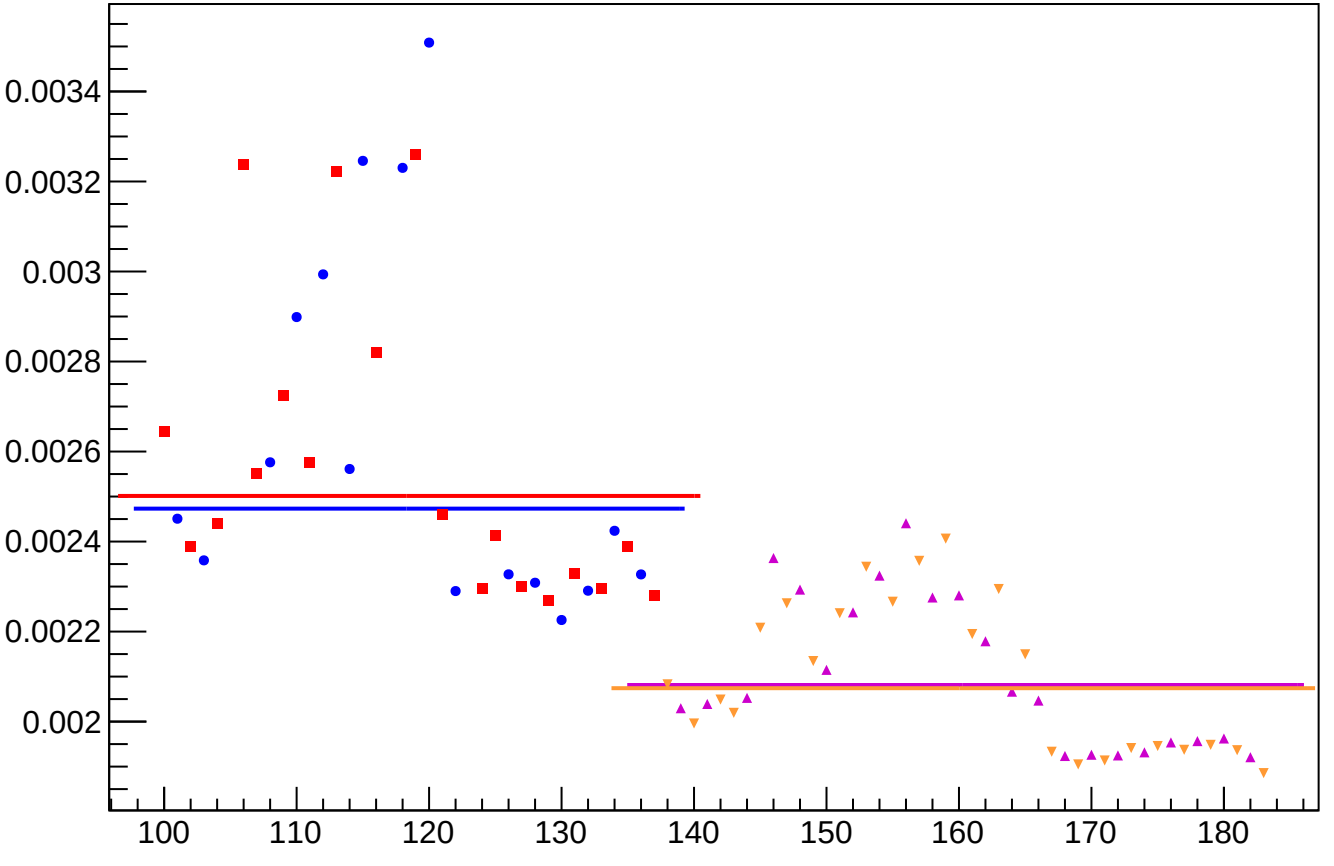
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.342+/-0.000 χ^2/NDF:246409408219.0/37

Out: 0.338+/-0.000 χ^2/NDF:248445617612.2/42

All: 0.340+/-0.000 χ^2/NDF: 494890627906.5

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:229020.5/23

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: 435887.5/45

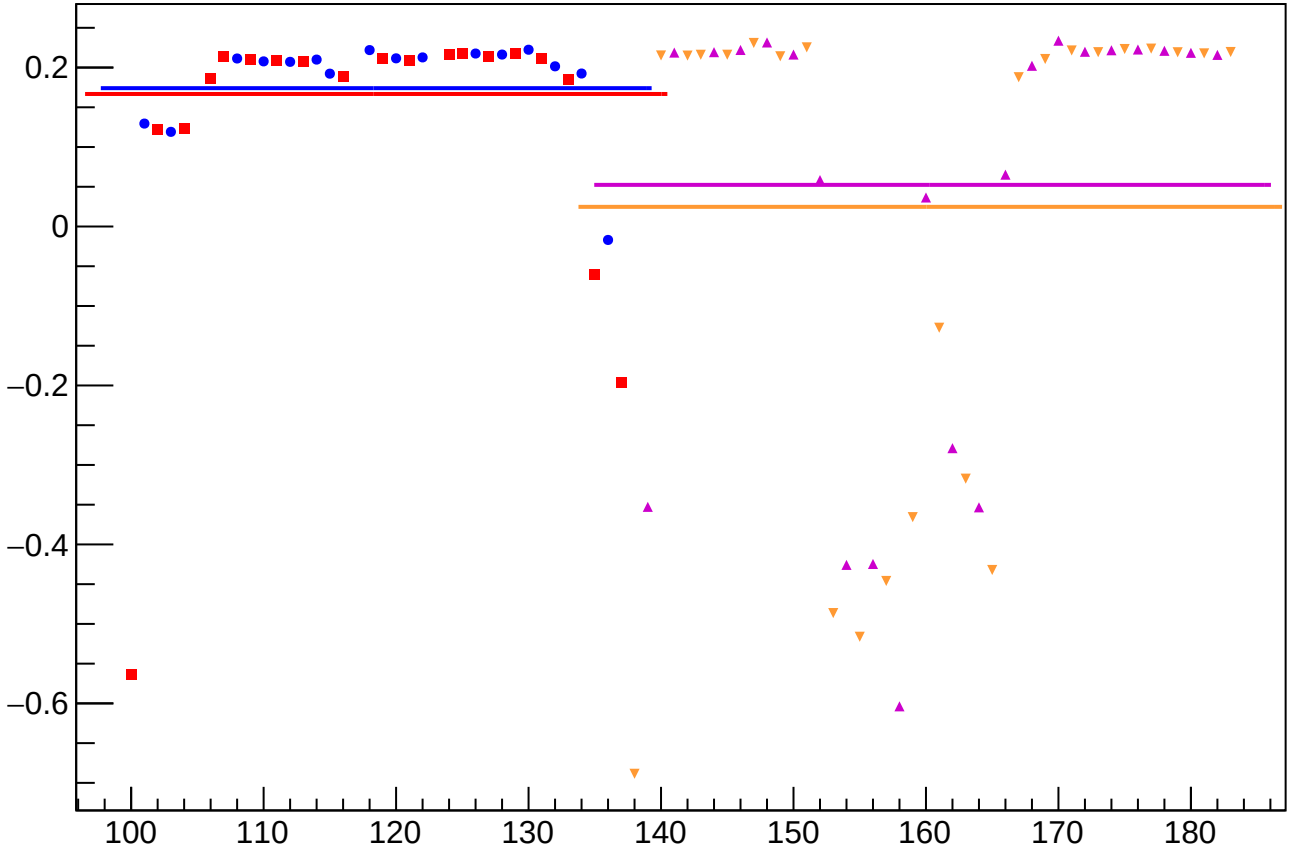
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:683989.2/37

Out: 0.002+/-0.000 χ^2/NDF:732882.8/42

All: 0.002+/-0.000 χ^2/NDF: 1416934.8/80

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:12911139256.0/23

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: 0.038+/-0.000 χ^2/NDF: 22613331373.1/45

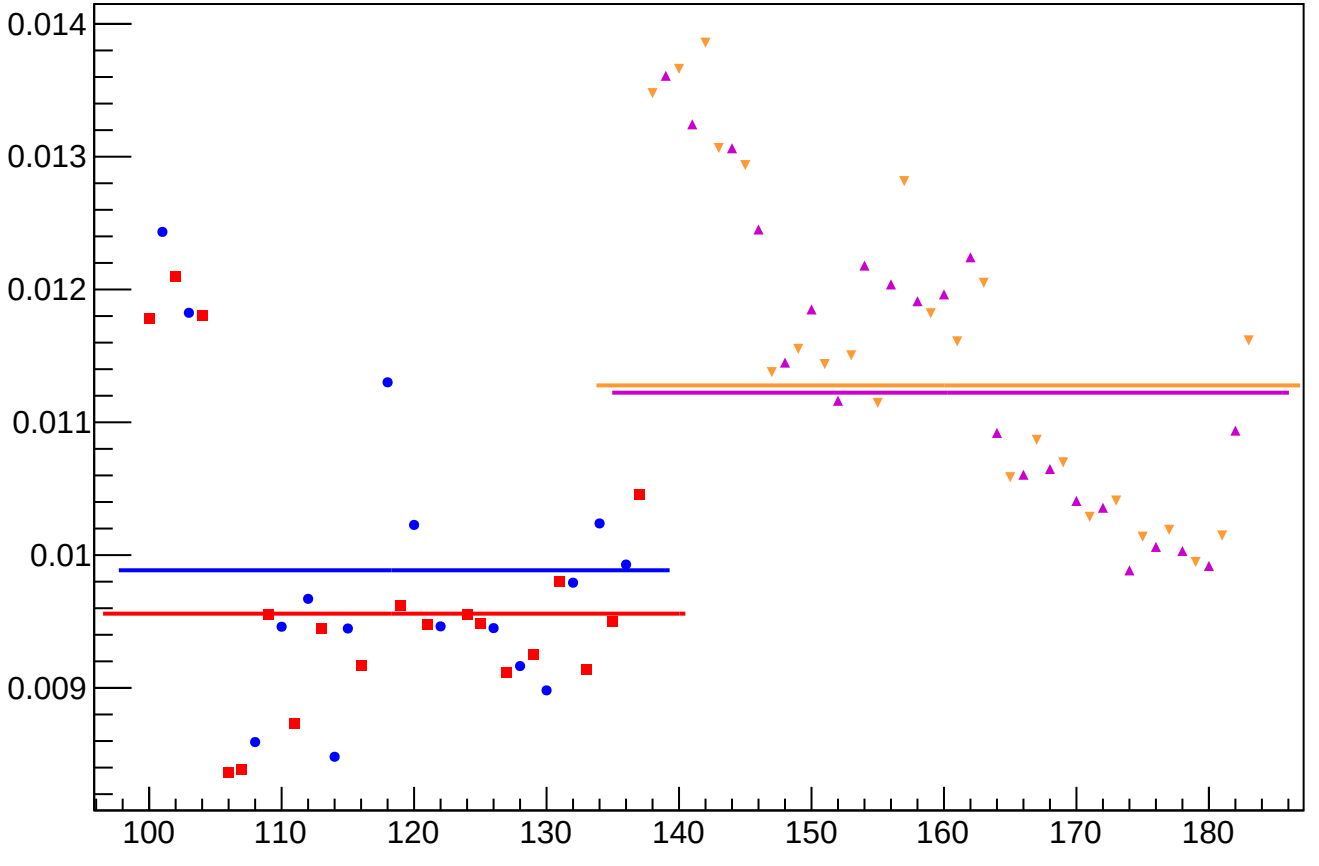
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.094+/-0.000 χ^2/NDF:10735716352.9/37

Out: 0.075+/-0.000 χ^2/NDF:14826970777.2/42

All: 0.084+/-0.000 χ^2/NDF: 25598950061.5/8

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:326326.4/23

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: 641986.2/45

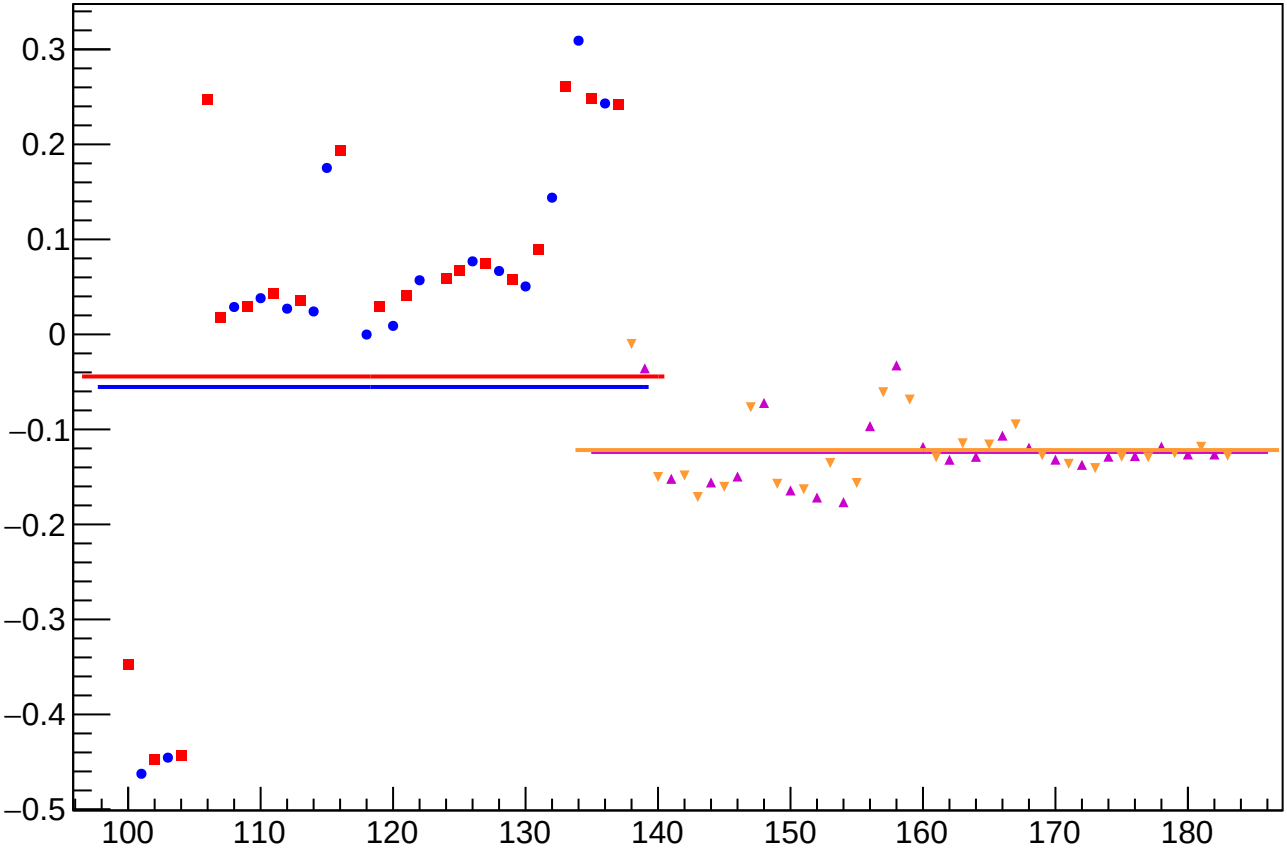
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:629230.2/37

Out: 0.011+/-0.000 χ^2/NDF:761854.5/42

All: 0.011+/-0.000 χ^2/NDF: 1393332.3/80

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:2922511134.4/23

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: 5736019119.9/45

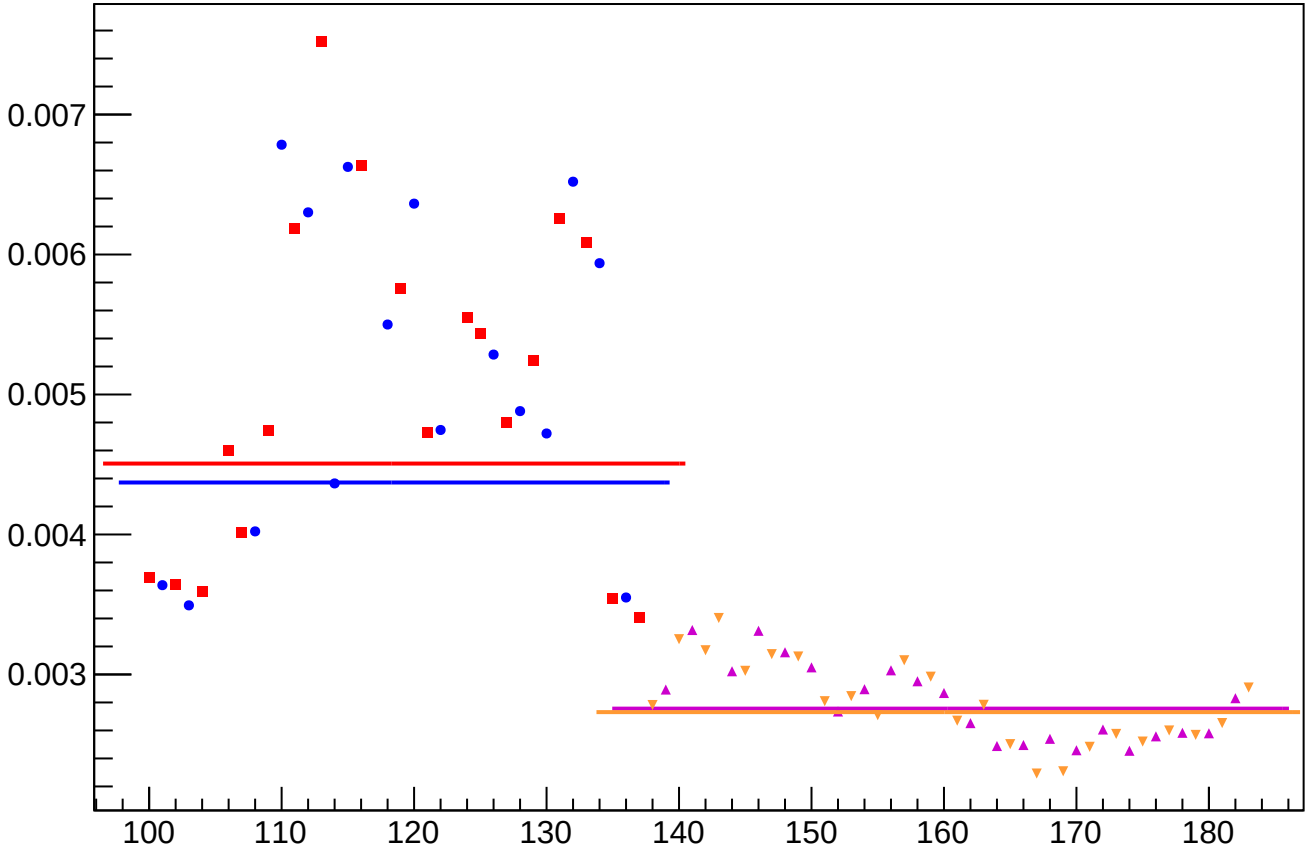
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.115+/-0.000 χ^2/NDF:28197317608.8/37

Out: -0.113+/-0.000 χ^2/NDF:26729705485.8/42

All: -0.114+/-0.000 χ^2/NDF: 54934284509.9/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:390272.9/23

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: 684827.7/45

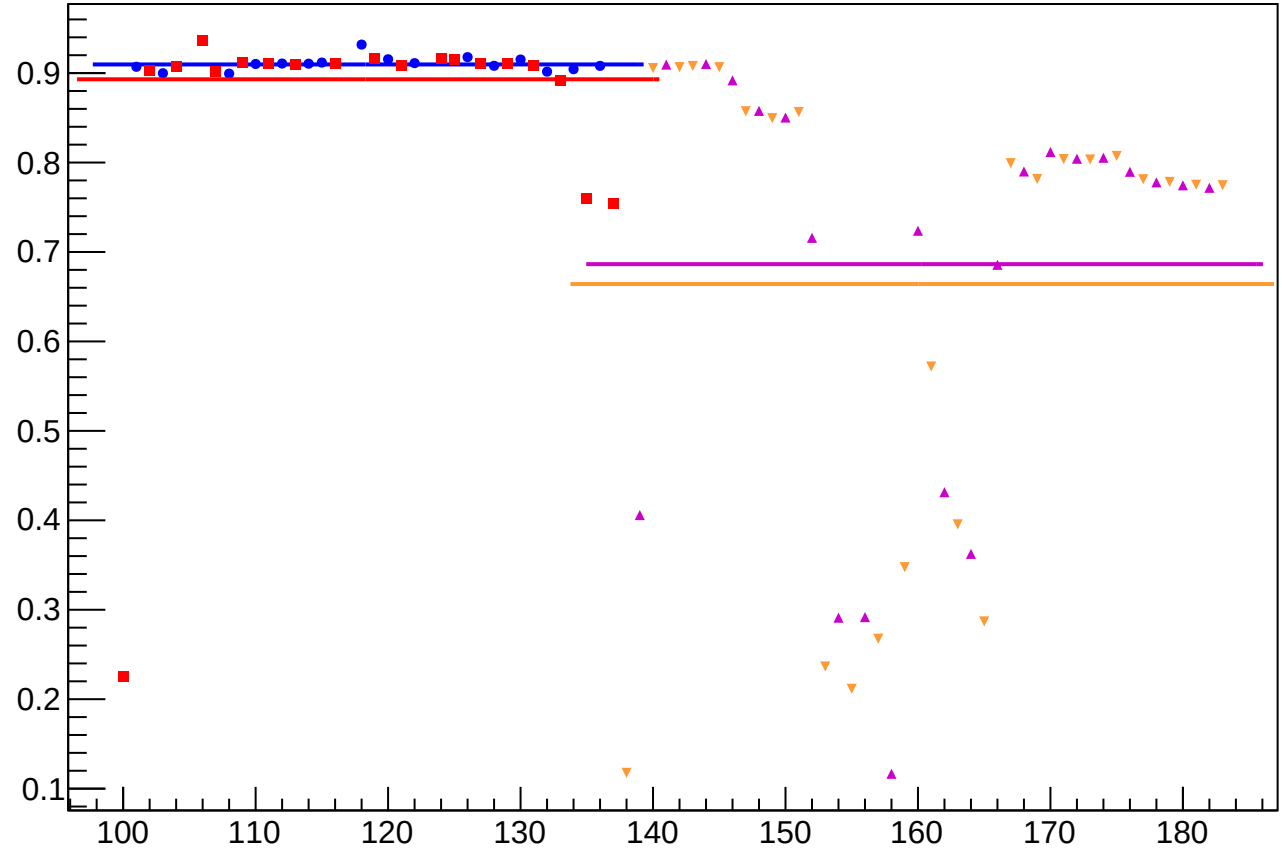
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:2412959.3/37

Out: 0.003+/-0.000 χ^2/NDF:2851315.2/42

All: 0.003+/-0.000 χ^2/NDF: 5265540.3/80

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.664+/-0.000 χ^2/NDF:9191052128.2/23

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: 0.675+/-0.000 χ^2/NDF: 16210128795.0/45

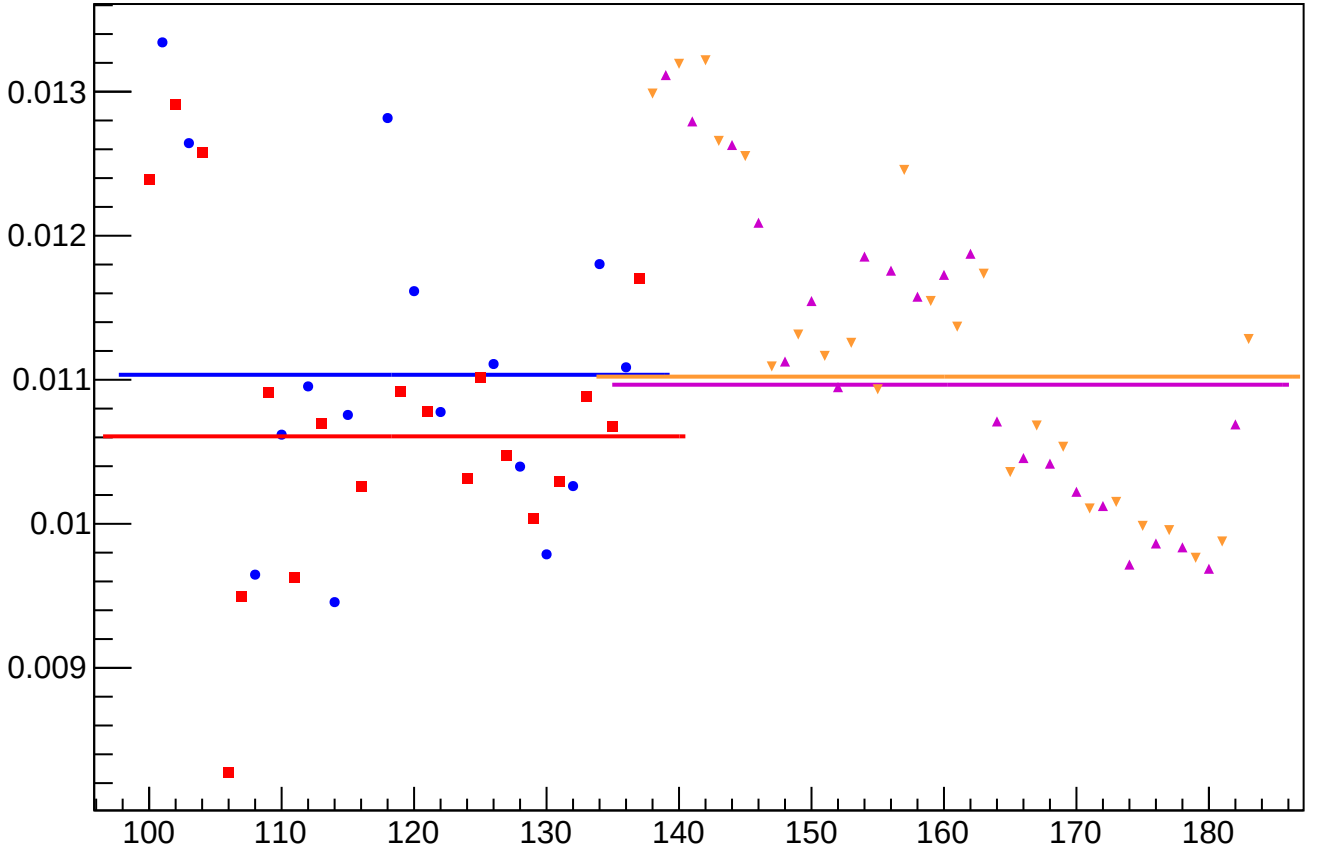
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.750+/-0.000 χ^2/NDF:9002104834.1/37

Out: 0.733+/-0.000 χ^2/NDF:11868688256.6/42

All: 0.741+/-0.000 χ^2/NDF: 20899830520.2/8

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:297955.9/23

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: 586064.9/45

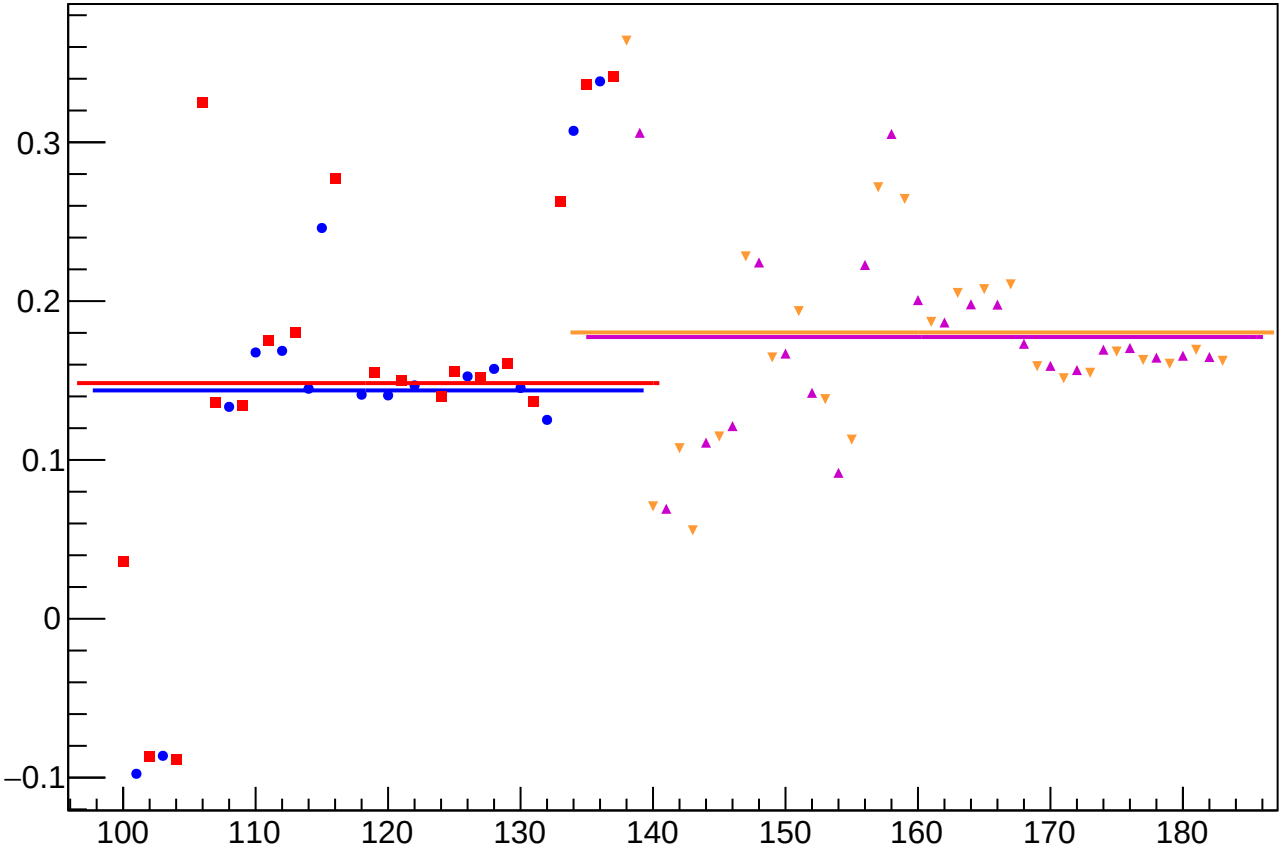
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:418387.4/37

Out: 0.011+/-0.000 χ^2/NDF:457306.2/42

All: 0.011+/-0.000 χ^2/NDF: 877280.9/80

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.180+/-0.000 χ^2/NDF:6444164600.7/23

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: 11069101279.3/45

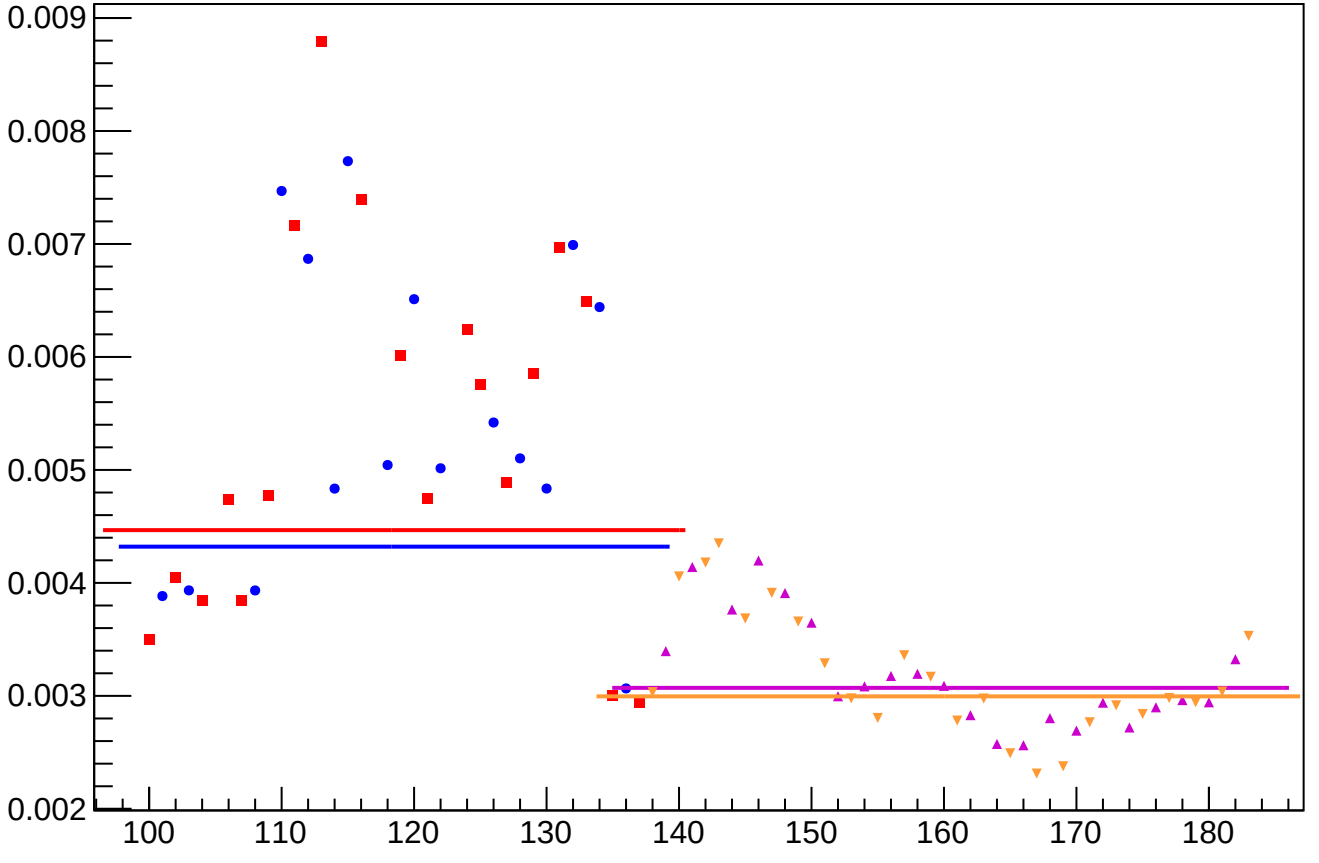
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.172+/-0.000 χ^2/NDF:12779150005.9/37

Out: 0.176+/-0.000 χ^2/NDF:13835037456.9/42

All: 0.174+/-0.000 χ^2/NDF: 26628577012.5/8

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:876766.8/23

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: 1474116.1/45

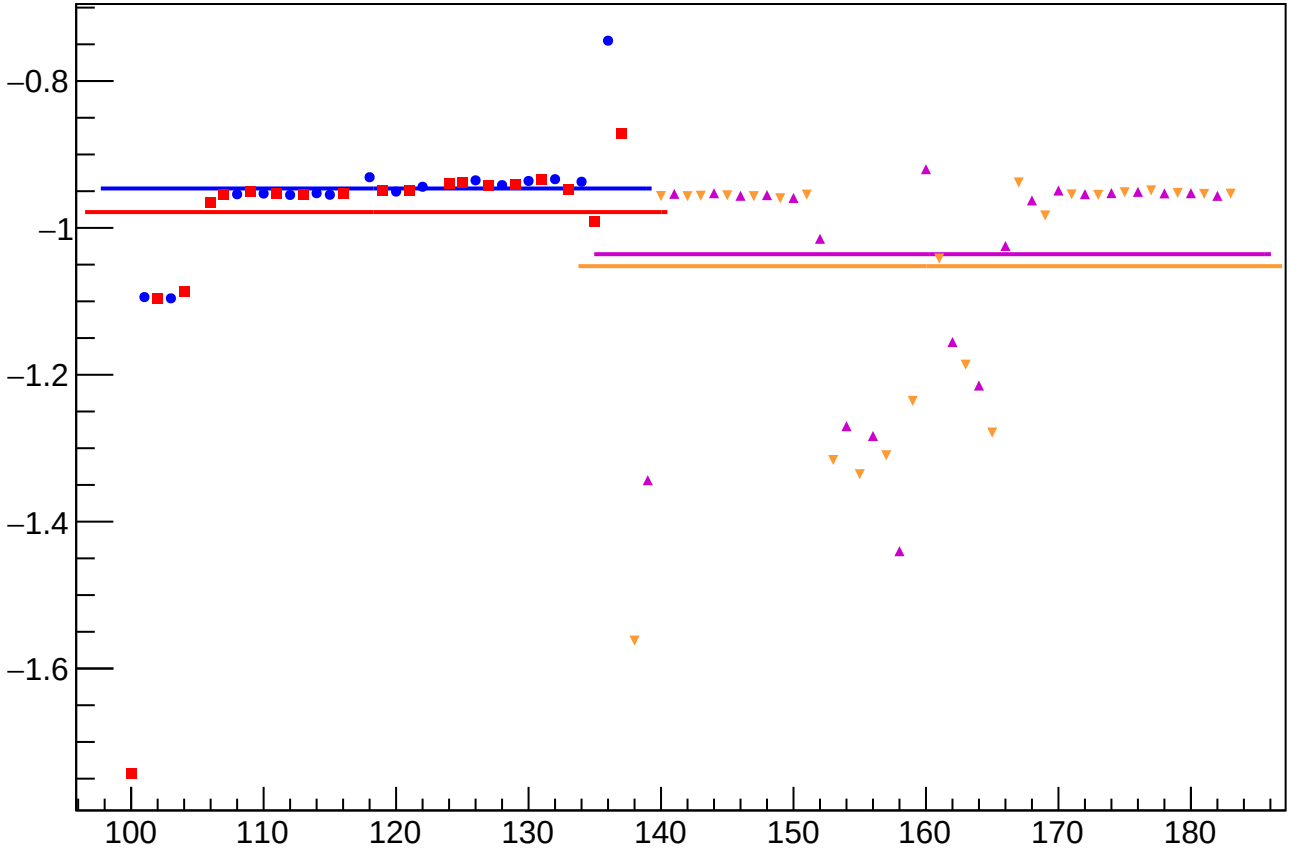
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:2280597.4/37

Out: 0.003+/-0.000 χ^2/NDF:3079294.7/42

All: 0.003+/-0.000 χ^2/NDF: 5369297.3/80

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.052+/-0.000 χ^2/NDF:5059116039.8/23

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: -1.044+/-0.000 χ^2/NDF: 8991212497.4/45

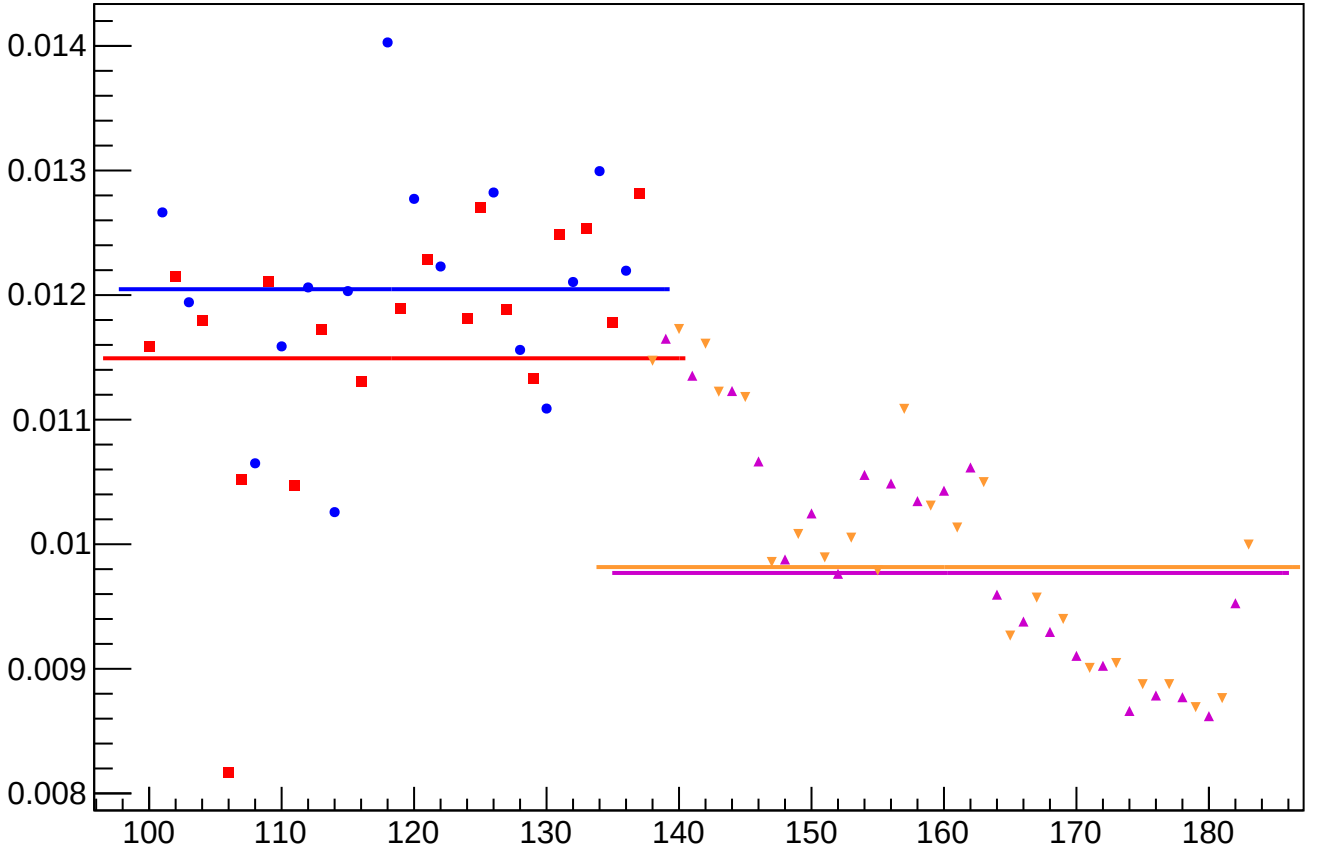
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.017+/-0.000 χ^2/NDF:4612460081.9/37

Out: -1.036+/-0.000 χ^2/NDF:5748707218.5/42

All: -1.027+/-0.000 χ^2/NDF: 10401319088.0/

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:292656.1/23

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:281809.9/21

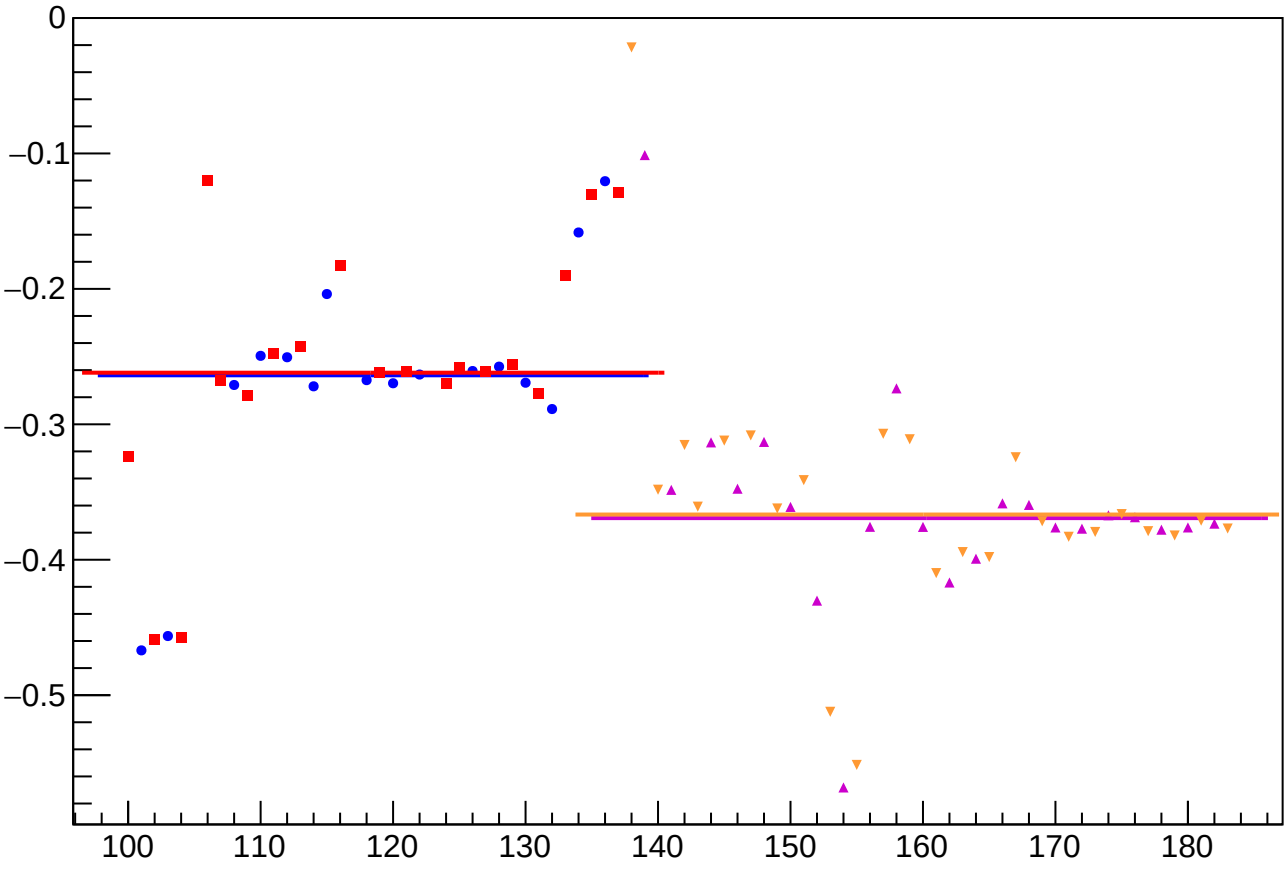
Left: 0.010+/-0.000 χ^2/NDF: 574879.1/45

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:680722.3/42

All: 0.010+/-0.000 χ^2/NDF: 1414996.0/80



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.367+/-0.000 χ^2/NDF:11944392968.5/23

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.369+/-0.000 χ^2/NDF:7580969282.5/21

Left: -0.368+/-0.000 χ^2/NDF: 19530571206.7/45

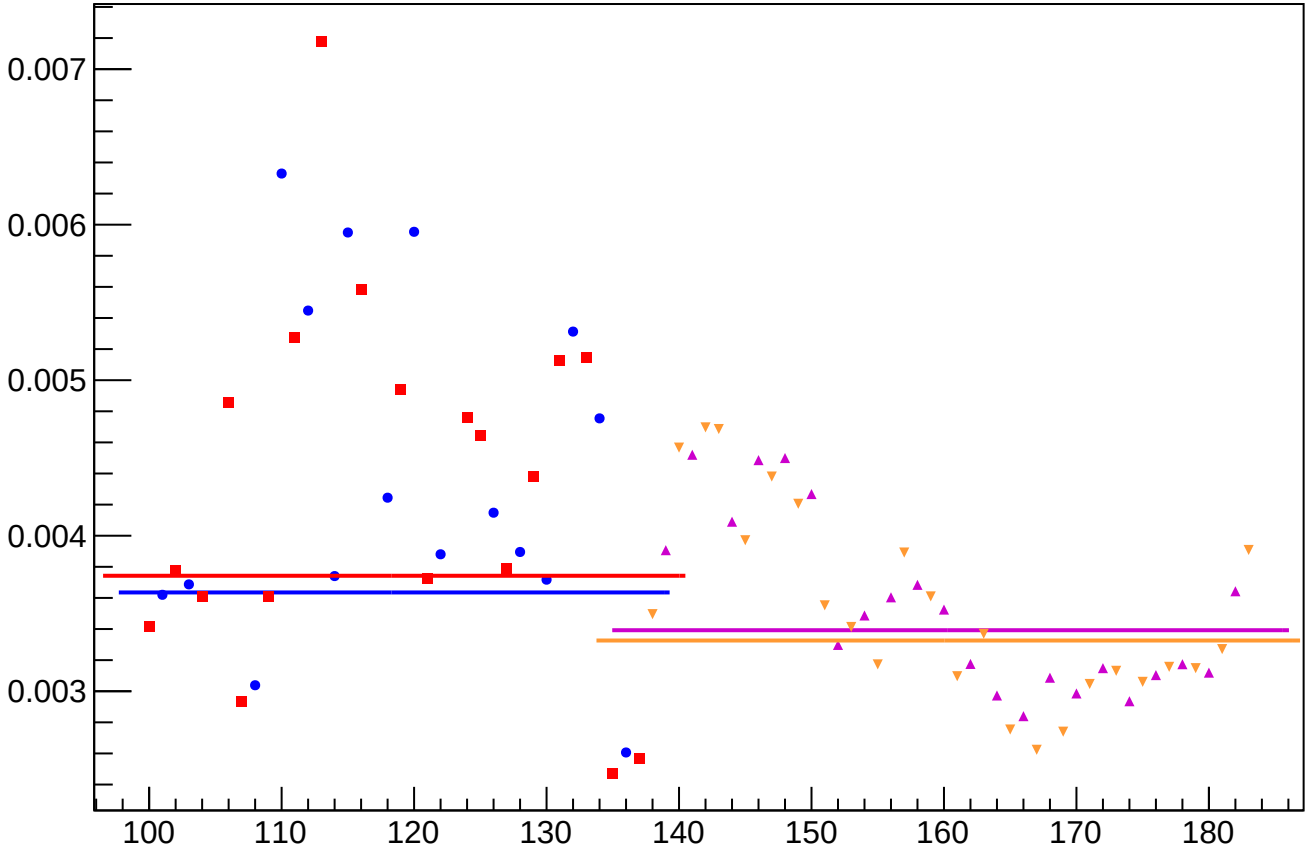
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.344+/-0.000 χ^2/NDF:17400841229.9/37

Out: -0.344+/-0.000 χ^2/NDF:20893267928.0/42

All: -0.344+/-0.000 χ^2/NDF: 38294279407.2/

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:843017.8/23

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: 1482944.1/45

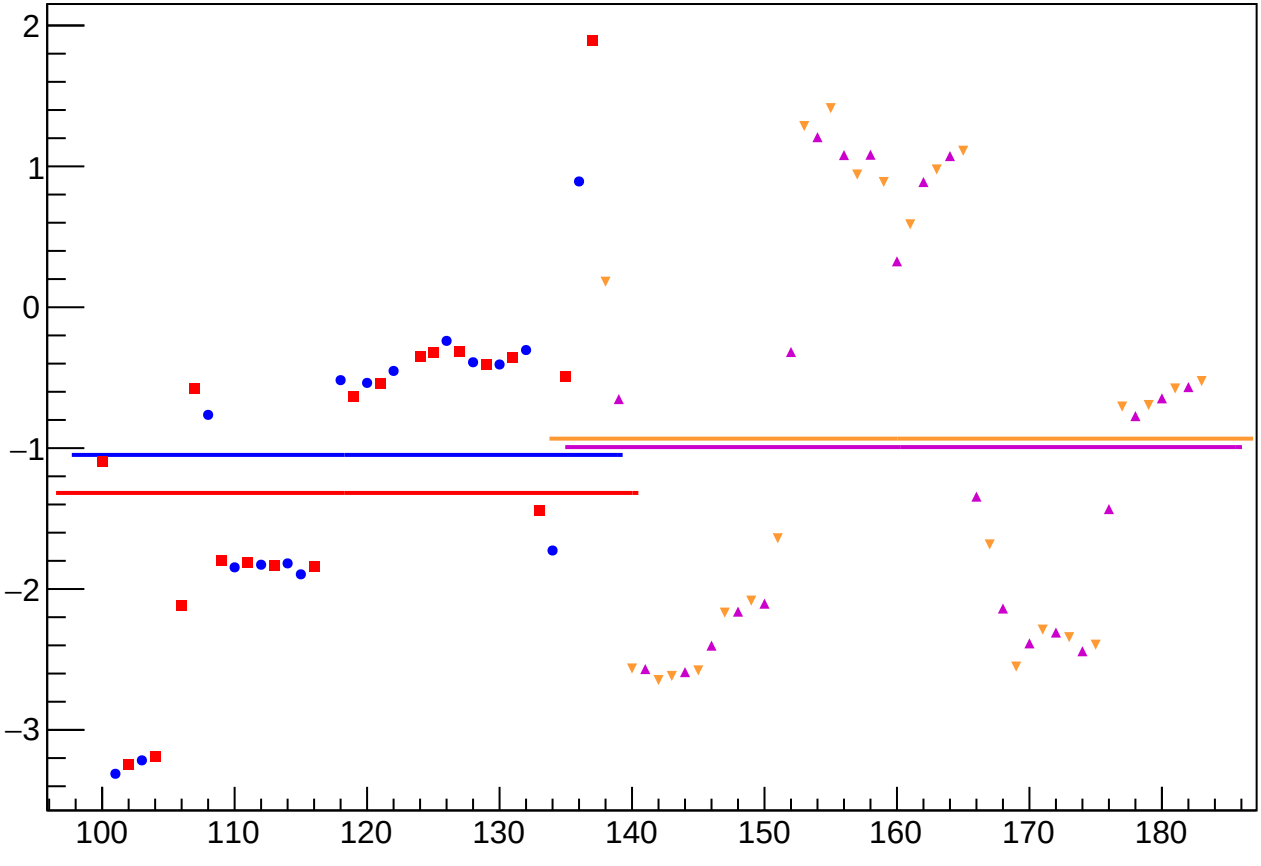
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.003+/-0.000 χ^2/NDF:1401408.9/37

Out: 0.003+/-0.000 χ^2/NDF:1854077.9/42

All: 0.003+/-0.000 χ^2/NDF: 3257651.6/80

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.932+/-0.000 χ^2/NDF:7241025435.1/23

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: -0.961+/-0.000 χ^2/NDF: 13151194220.6/45

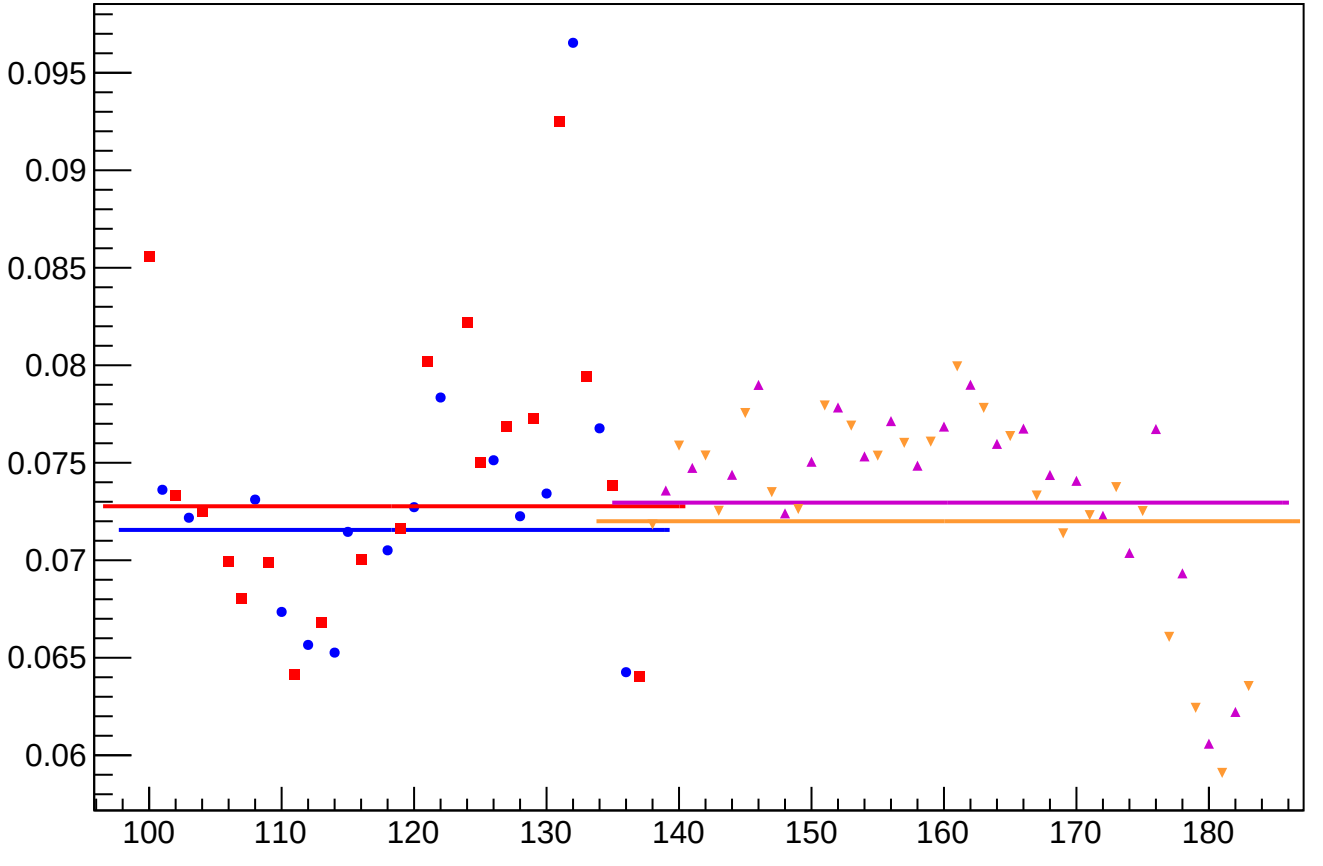
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.009+/-0.000 χ^2/NDF:8253924400.2/37

Out: -1.039+/-0.000 χ^2/NDF:9236806233.5/42

All: -1.024+/-0.000 χ^2/NDF: 17492868288.9/

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:233231.2/23

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: 0.072+/-0.000 χ^2/NDF: 414574.5/45

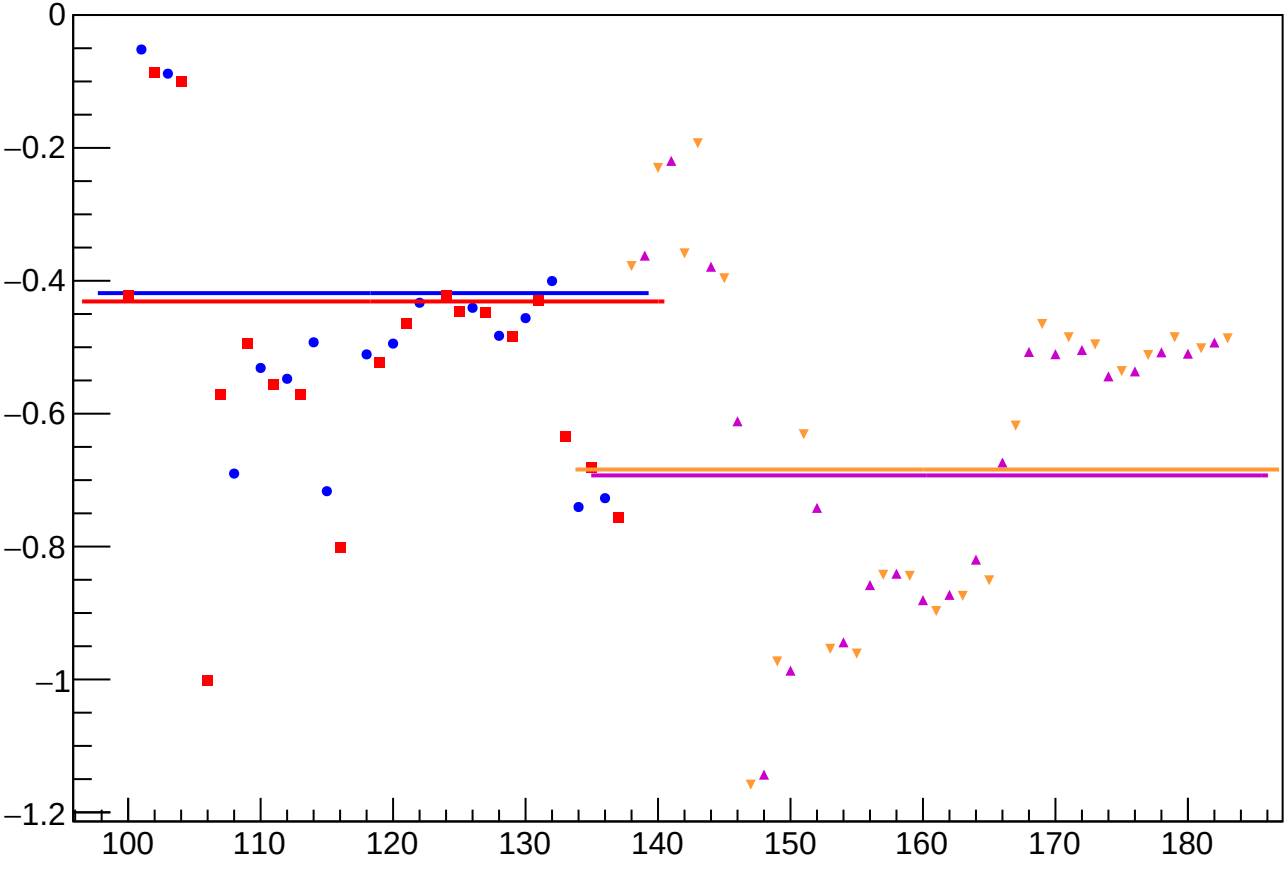
Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.073+/-0.000 χ^2/NDF:283229.4/37

Out: 0.072+/-0.000 χ^2/NDF:331278.0/42

All: 0.072+/-0.000 χ^2/NDF: 615044.8/80

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.684+/-0.000 χ^2/NDF:21679961047.3/23

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: -0.688+/-0.000 χ^2/NDF: 38387835858.8/45

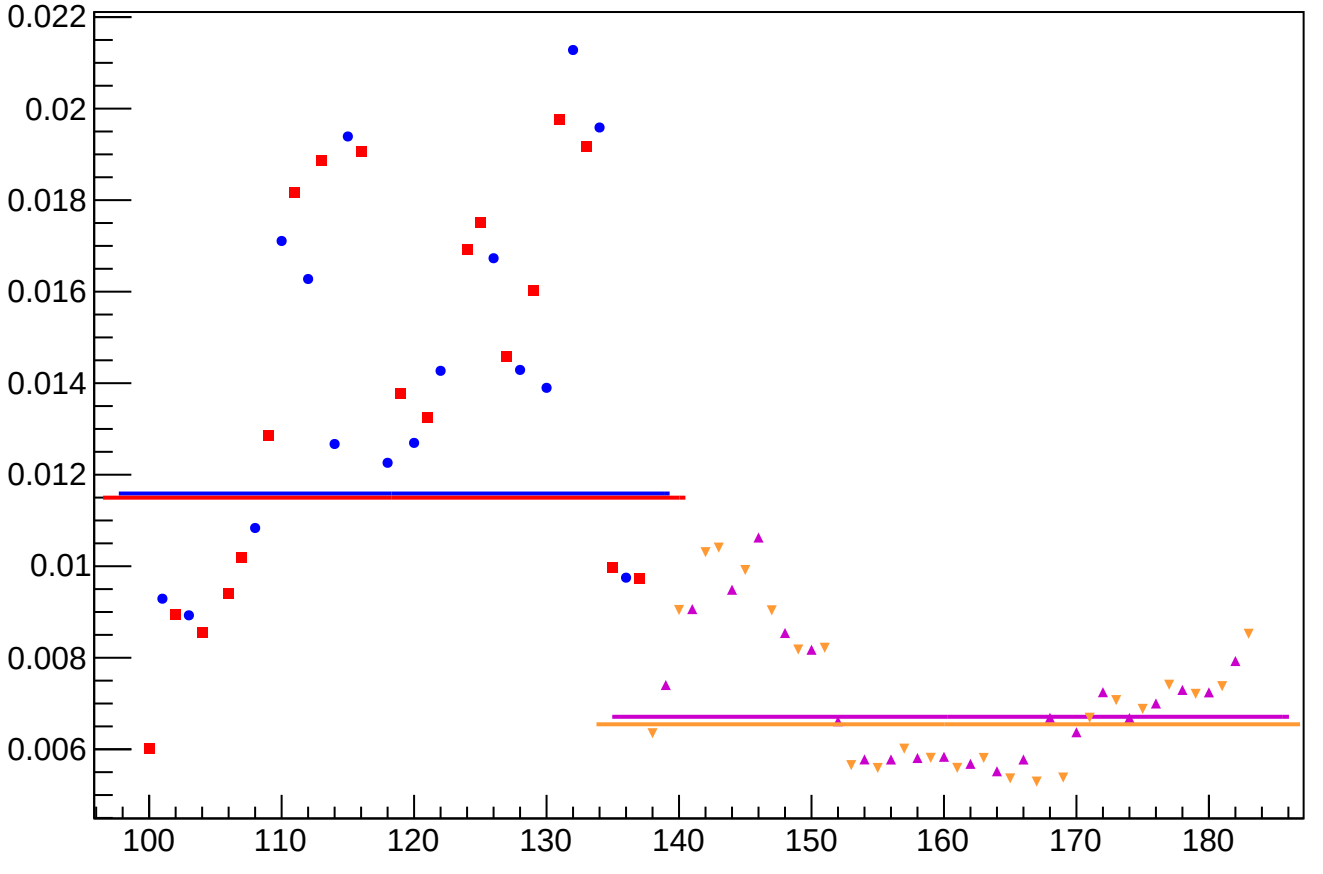
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.663+/-0.000 χ^2/NDF:22744080313.1/37

Out: -0.658+/-0.000 χ^2/NDF:27489547957.6/42

All: -0.661+/-0.000 χ^2/NDF: 50238381742.7/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:1386515.4/23

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: 2348663.3/45

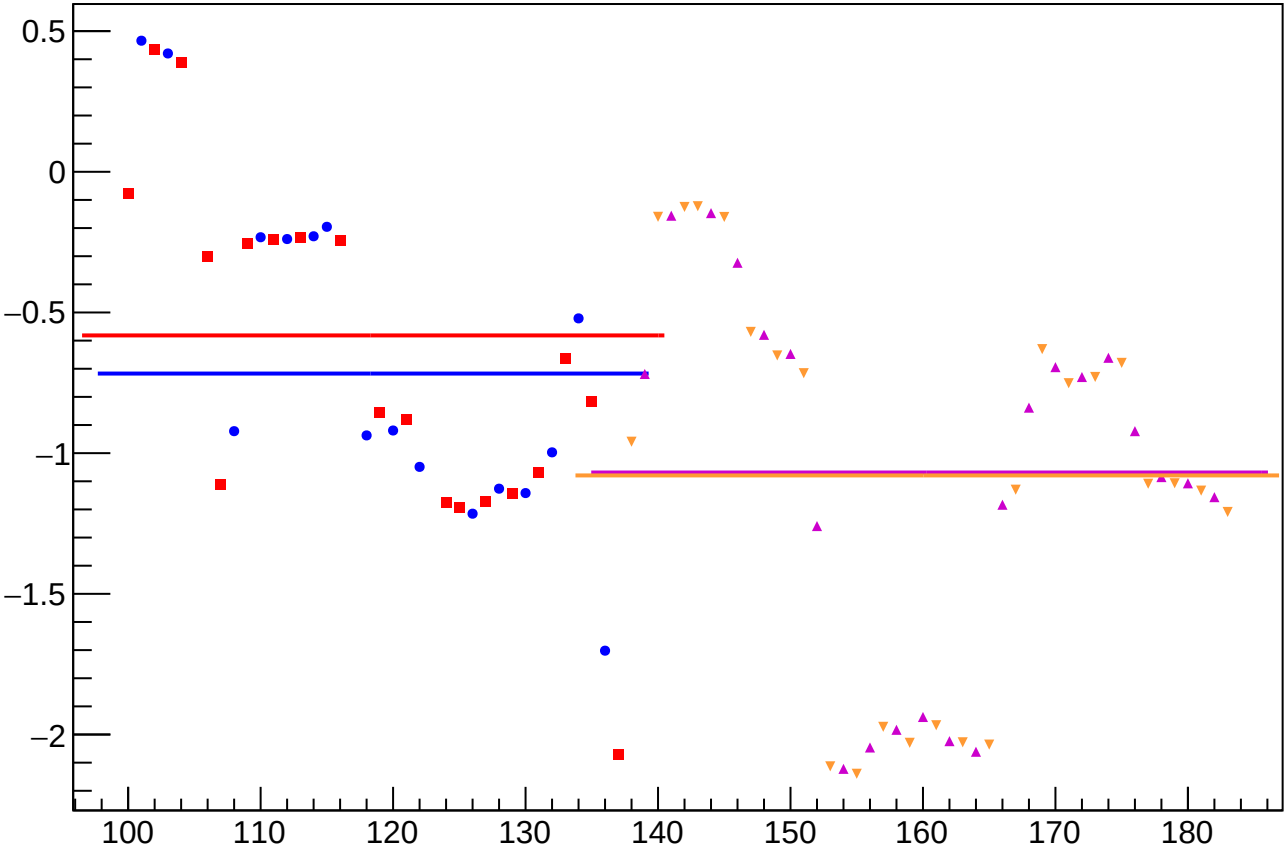
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3621885.3/37

Out: 0.007+/-0.000 χ^2/NDF:4554794.1/42

All: 0.007+/-0.000 χ^2/NDF: 8192562.3/80

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.079+/-0.000 χ^2/NDF:1151687175.2/23

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: -1.074+/-0.000 χ^2/NDF: 2126534520.6/45

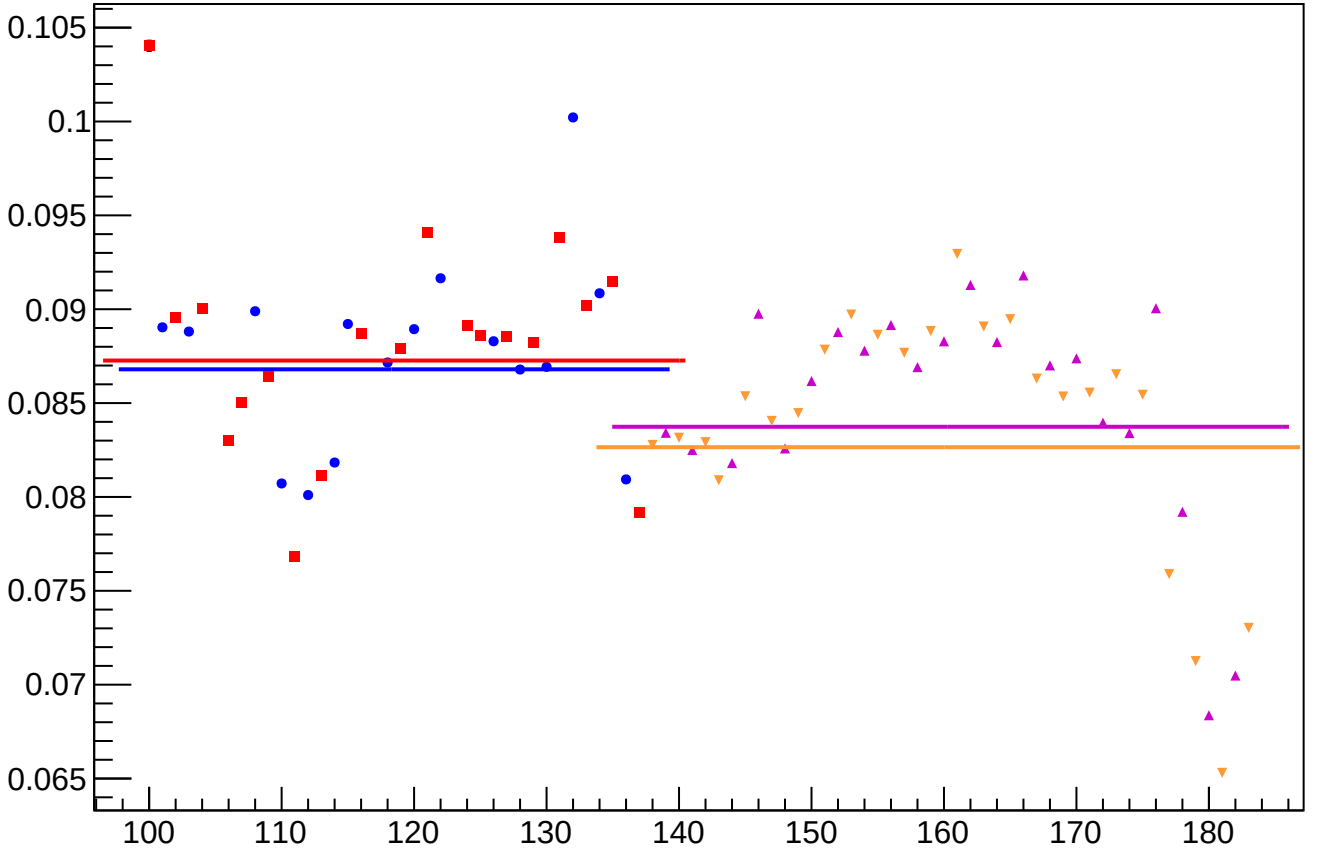
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.973+/-0.000 χ^2/NDF:1497763335.3/37

Out: -0.949+/-0.000 χ^2/NDF:1672537854.7/42

All: -0.961+/-0.000 χ^2/NDF: 3171318153.5/8

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:288497.2/23

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: 511767.4/45

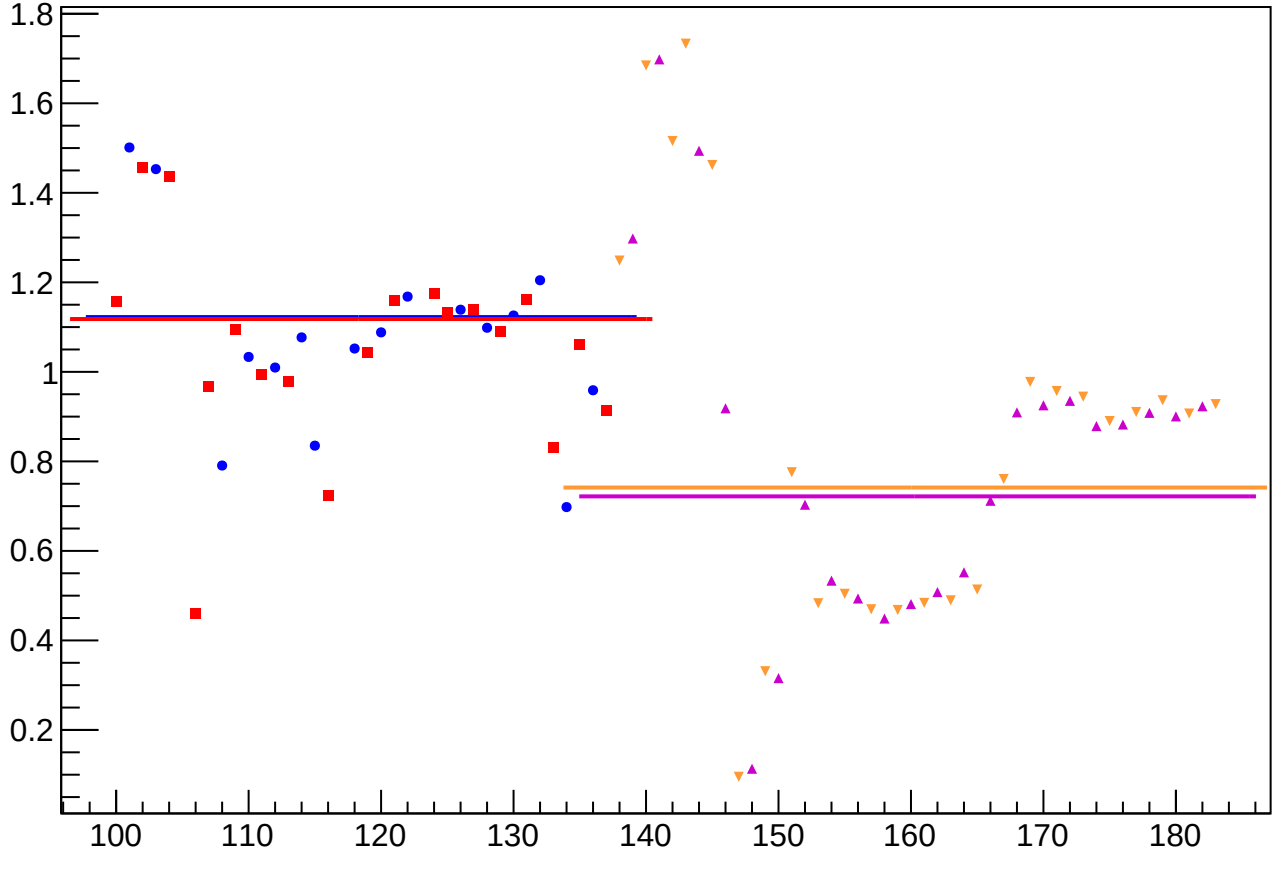
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.085+/-0.000 χ^2/NDF:276688.9/37

Out: 0.084+/-0.000 χ^2/NDF:365429.2/42

All: 0.084+/-0.000 χ^2/NDF: 643970.8/80

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.742+/-0.000 χ^2/NDF:32500141165.0/23

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: 0.732+/-0.000 χ^2/NDF: 58089594826.1/45

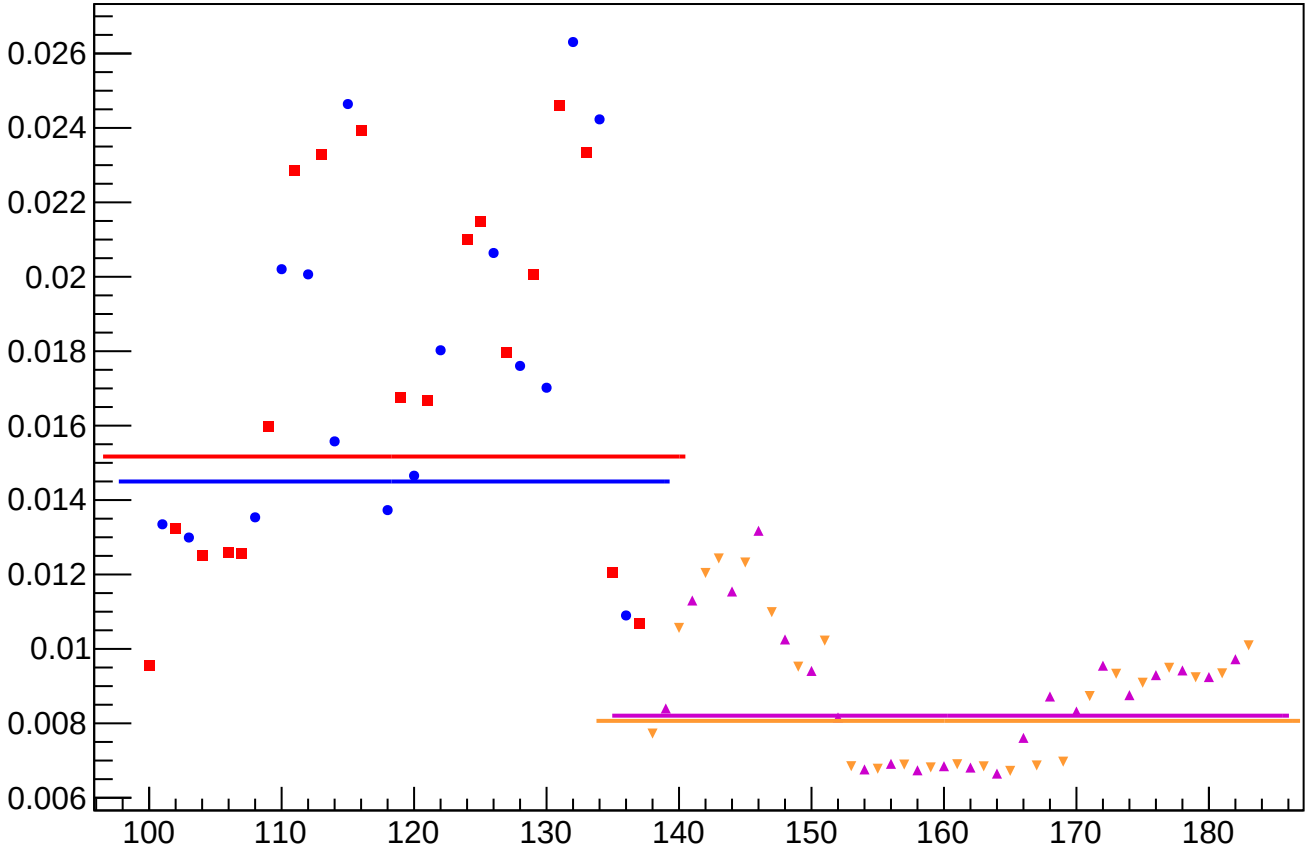
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.763+/-0.000 χ^2/NDF:31076996245.3/37

Out: 0.776+/-0.000 χ^2/NDF:37507504890.2/42

All: 0.770+/-0.000 χ^2/NDF: 68605177379.9/8

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:1388419.4/23

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: 2515061.4/45

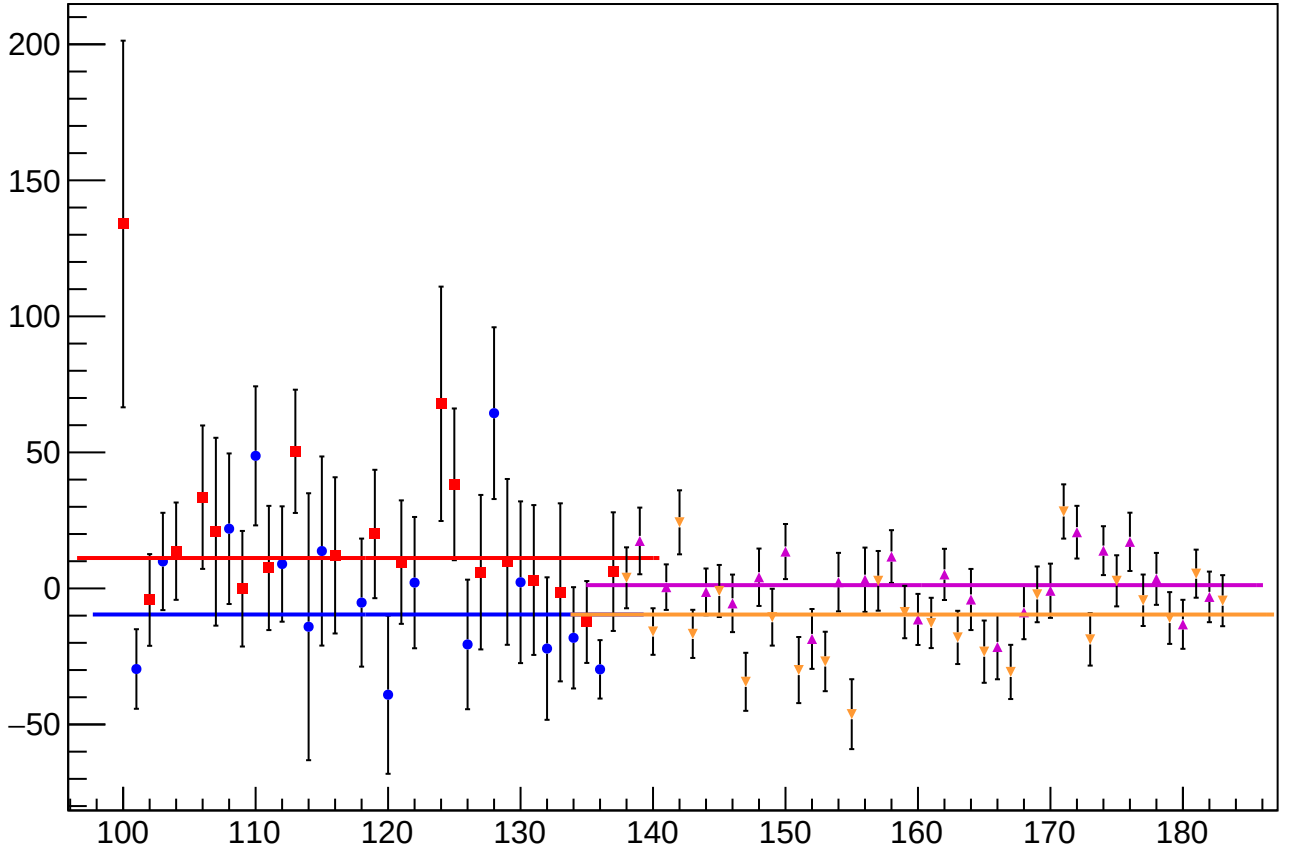
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3847676.9/37

Out: 0.009+/-0.000 χ^2/NDF:4700283.1/42

All: 0.009+/-0.000 χ^2/NDF: 8554598.4/80

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -9.597+/-2.047 χ^2/NDF:59.7/23

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: -4.398+/-1.474 χ^2/NDF: 99.4/45

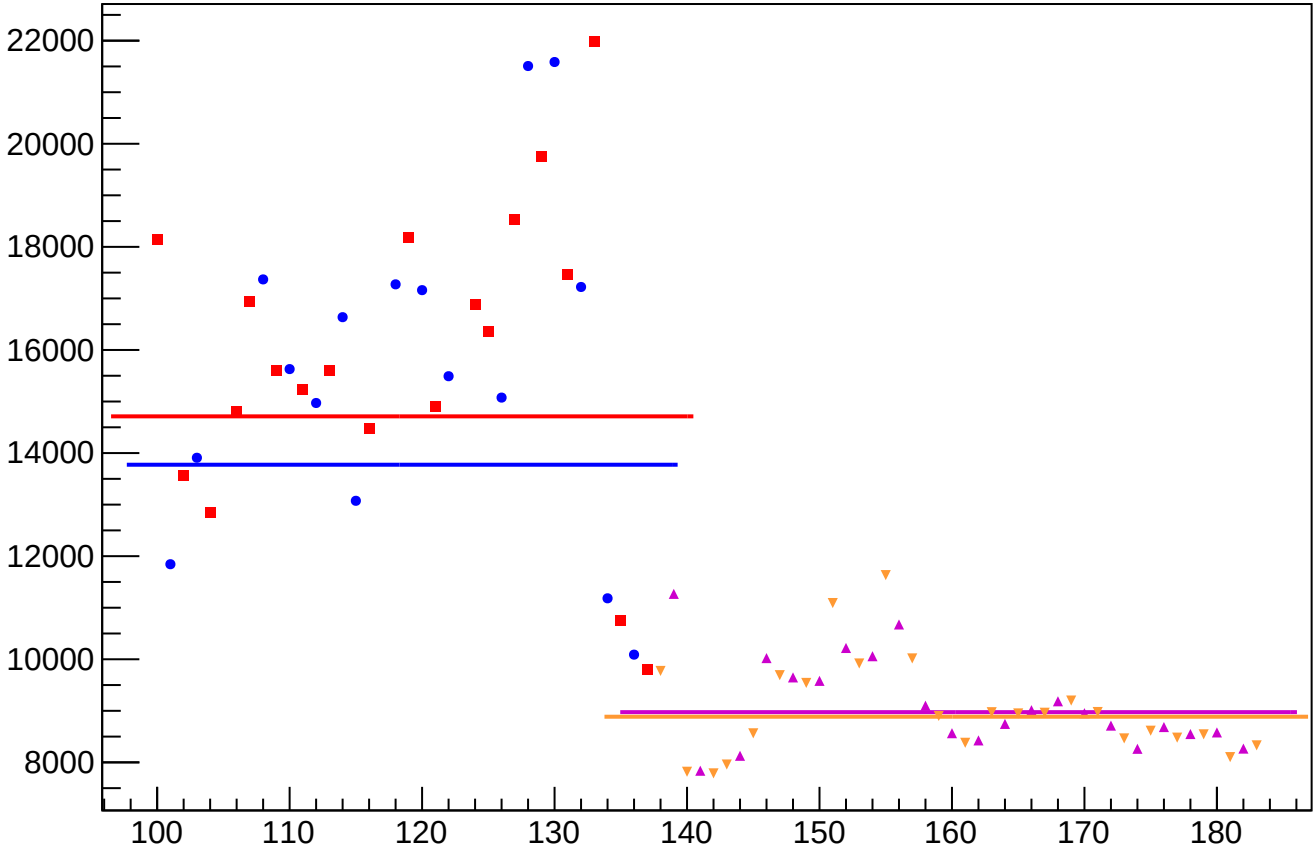
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -0.292+/-1.972 χ^2/NDF:51.8/37

Out: -7.068+/-1.918 χ^2/NDF:86.1/42

All: -3.774+/-1.375 χ^2/NDF: 143.9/80

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8885.547+/-1.447 χ^2/NDF:343961.4/23

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: 8928.266+/-1.042 χ^2/NDF: 641971.3/45

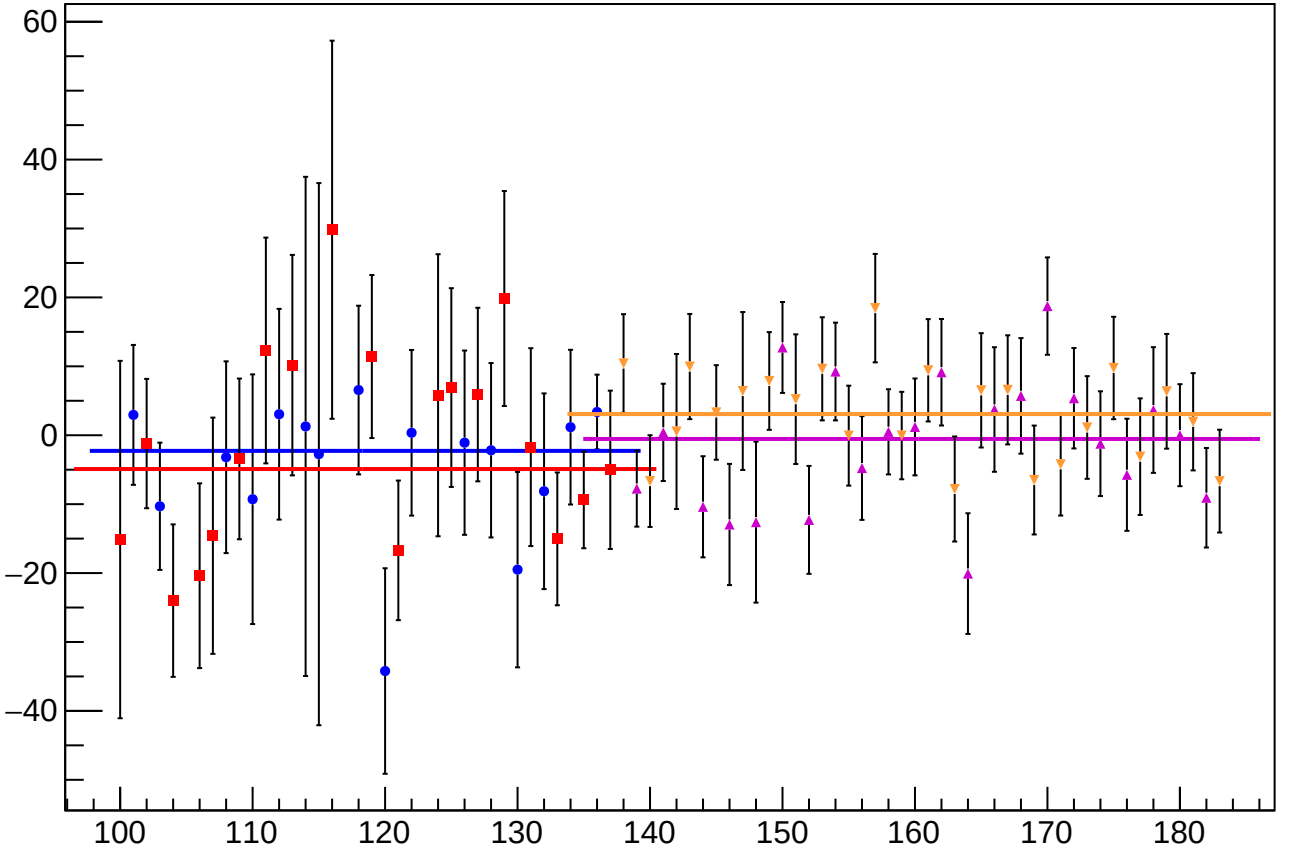
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 9641.150+/-1.394 χ^2/NDF:2461030.7/37

Out: 9594.899+/-1.356 χ^2/NDF:2874655.6/42

All: 9617.383+/-0.972 χ^2/NDF: 5336251.6/80

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.073+/-1.566 χ^2/NDF:18.5/23

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: 1.302+/-1.118 χ^2/NDF: 53.8/45

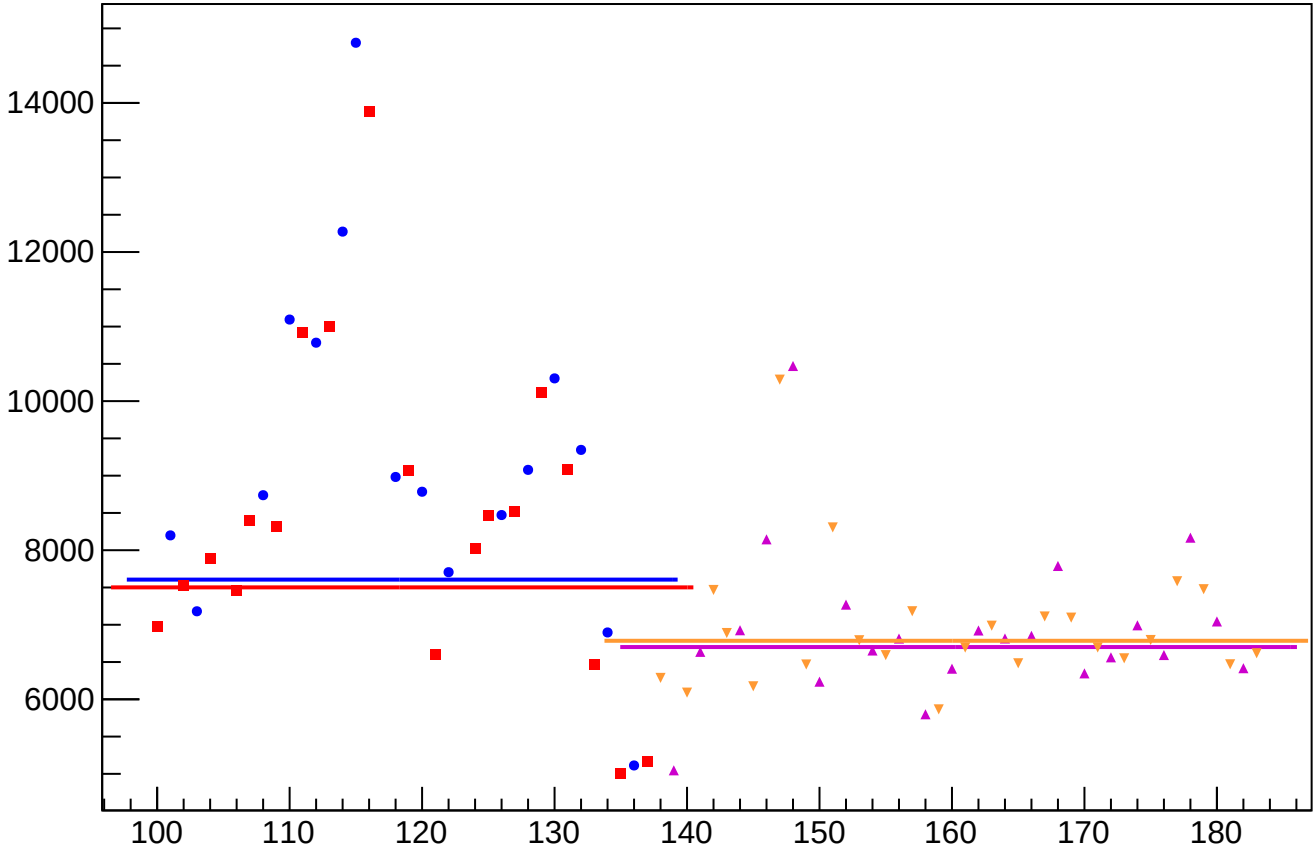
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -0.937+/-1.402 χ^2/NDF:42.2/37

Out: 1.208+/-1.371 χ^2/NDF:42.2/42

All: 0.159+/-0.980 χ^2/NDF: 85.6/80

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6785.078+/-1.108 χ^2/NDF:396611.1/23

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: 6743.849+/-0.791 χ^2/NDF: 1014553.4/45

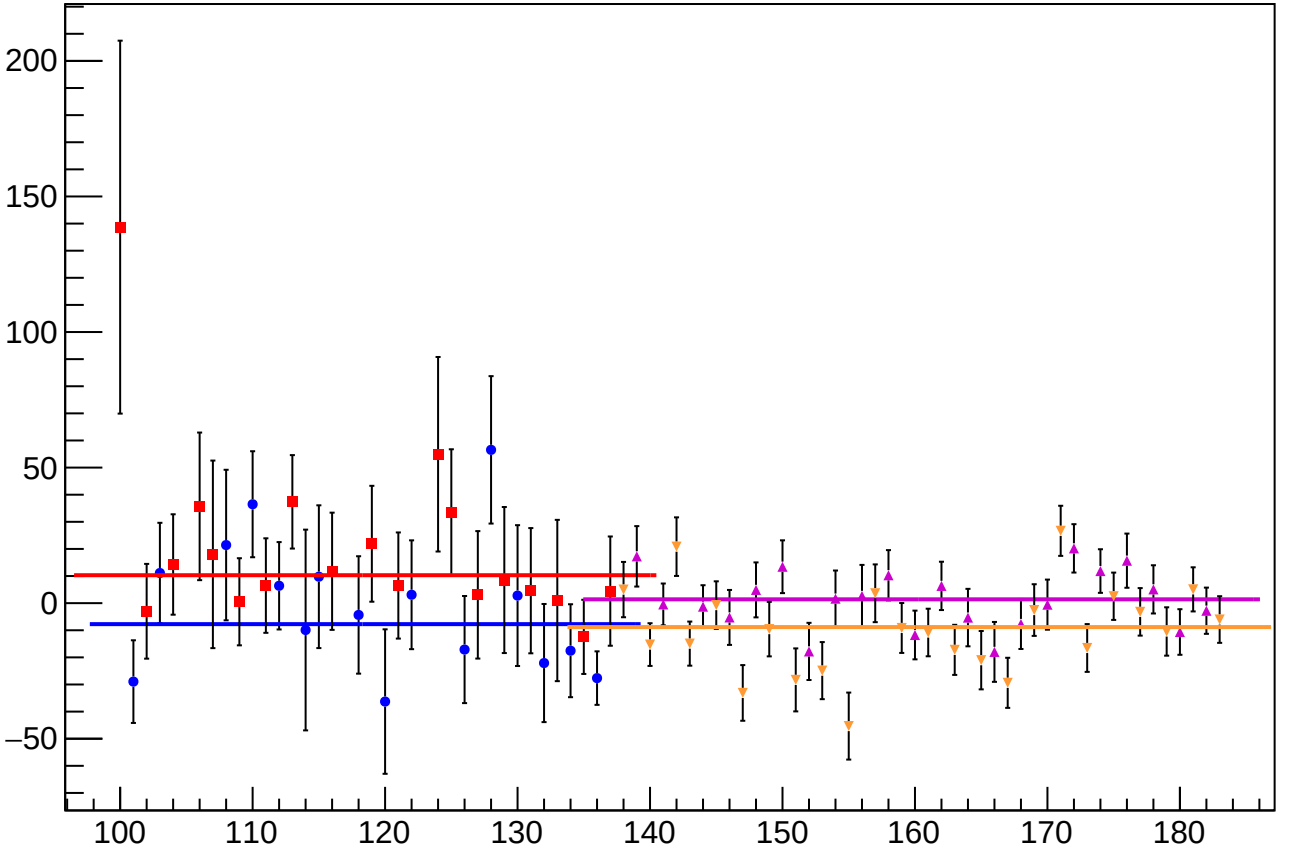
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6909.124+/-0.991 χ^2/NDF:1654229.5/37

Out: 6952.539+/-0.969 χ^2/NDF:1317977.7/42

All: 6931.309+/-0.693 χ^2/NDF: 2973187.8/80

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -8.825+/-1.913 χ^2/NDF:60.6/23

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: -3.908+/-1.379 χ^2/NDF: 100.4/45

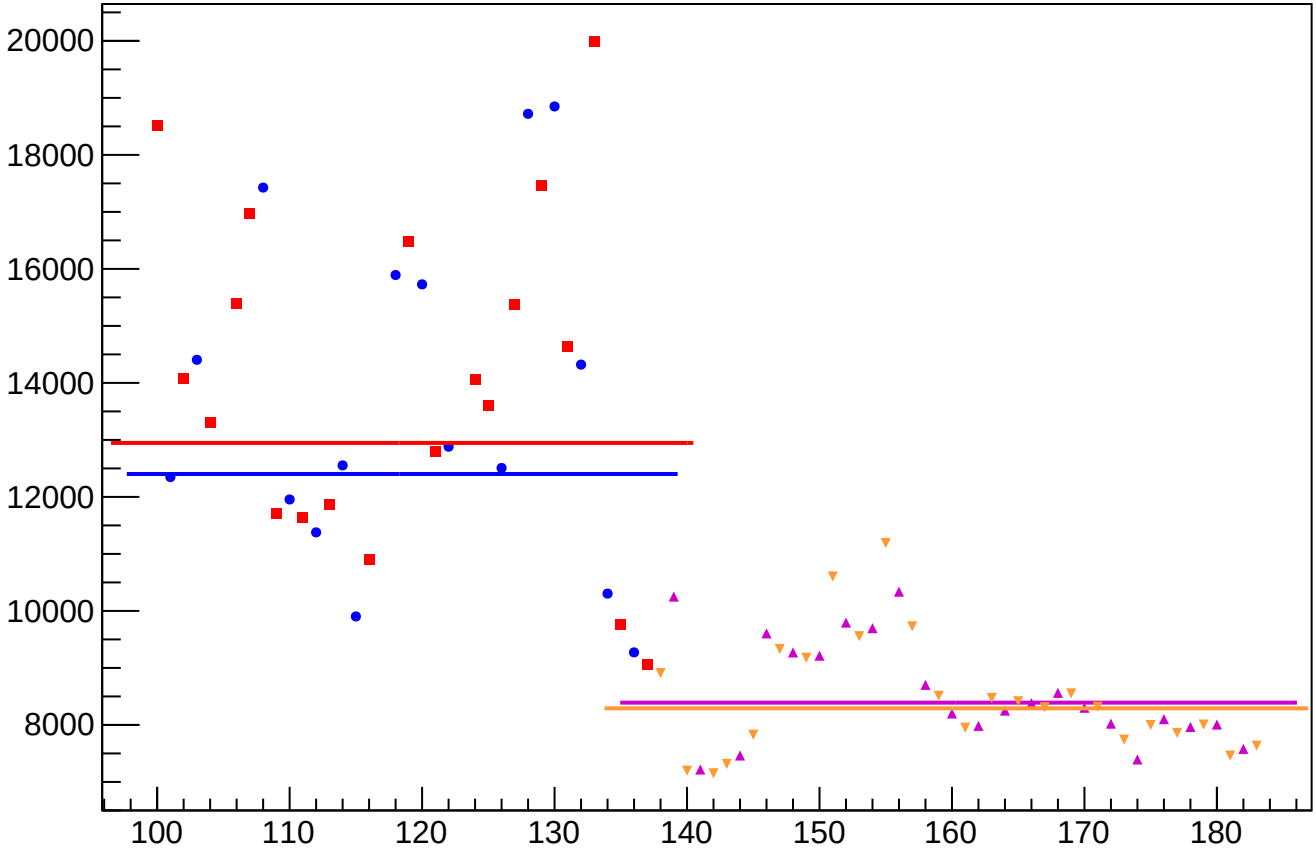
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: 0.045+/-1.835 χ^2/NDF:51.9/37

Out: -6.240+/-1.779 χ^2/NDF:88.0/42

All: -3.195+/-1.277 χ^2/NDF: 146.0/80

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8291.112+/-1.352 χ^2/NDF:449241.6/23

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: 8339.171+/-0.975 χ^2/NDF: 836062.4/45

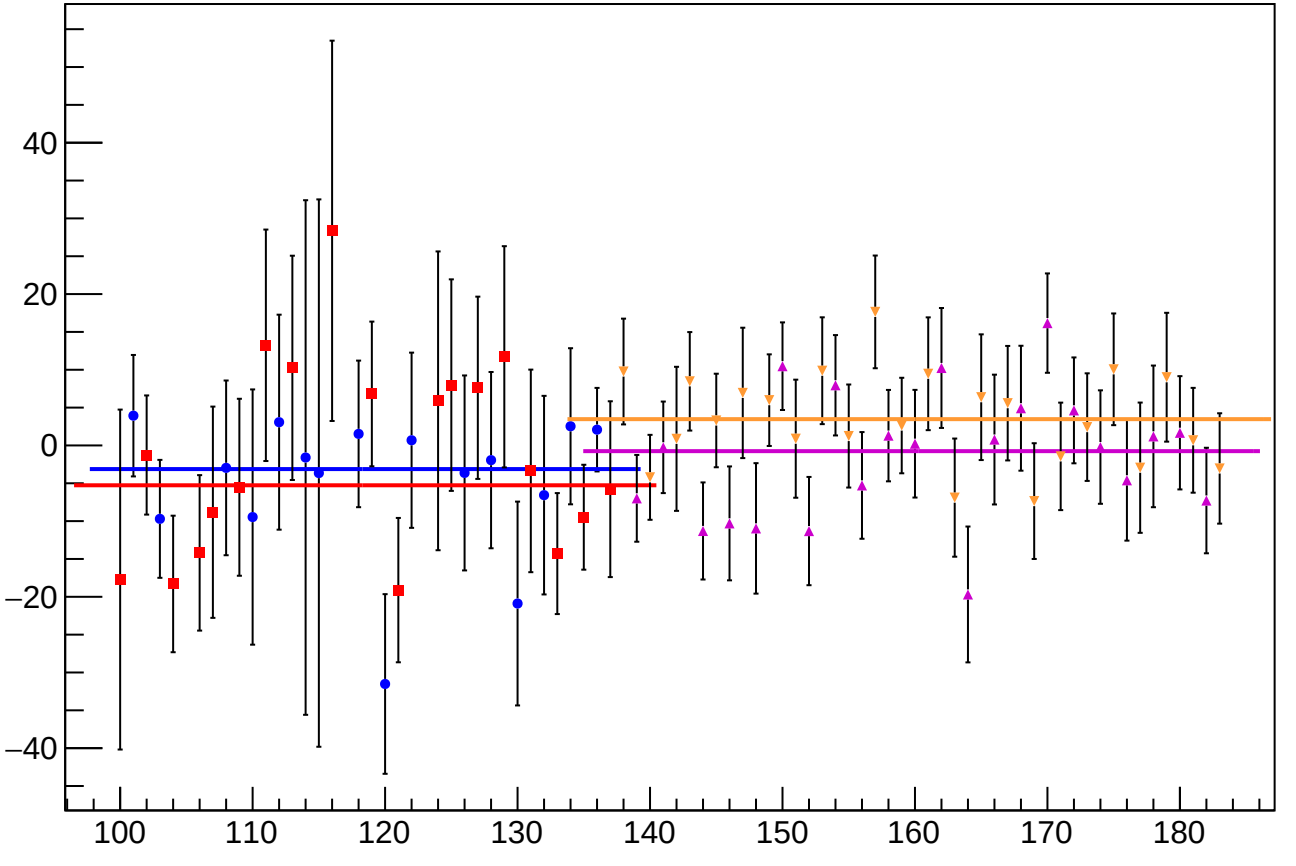
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 8990.137+/-1.297 χ^2/NDF:2276310.2/37

Out: 8920.051+/-1.258 χ^2/NDF:2605548.1/42

All: 8954.004+/-0.903 χ^2/NDF: 4883362.5/80

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.474+/-1.469 χ^2/NDF:16.2/23

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: 1.424+/-1.054 χ^2/NDF: 50.7/45

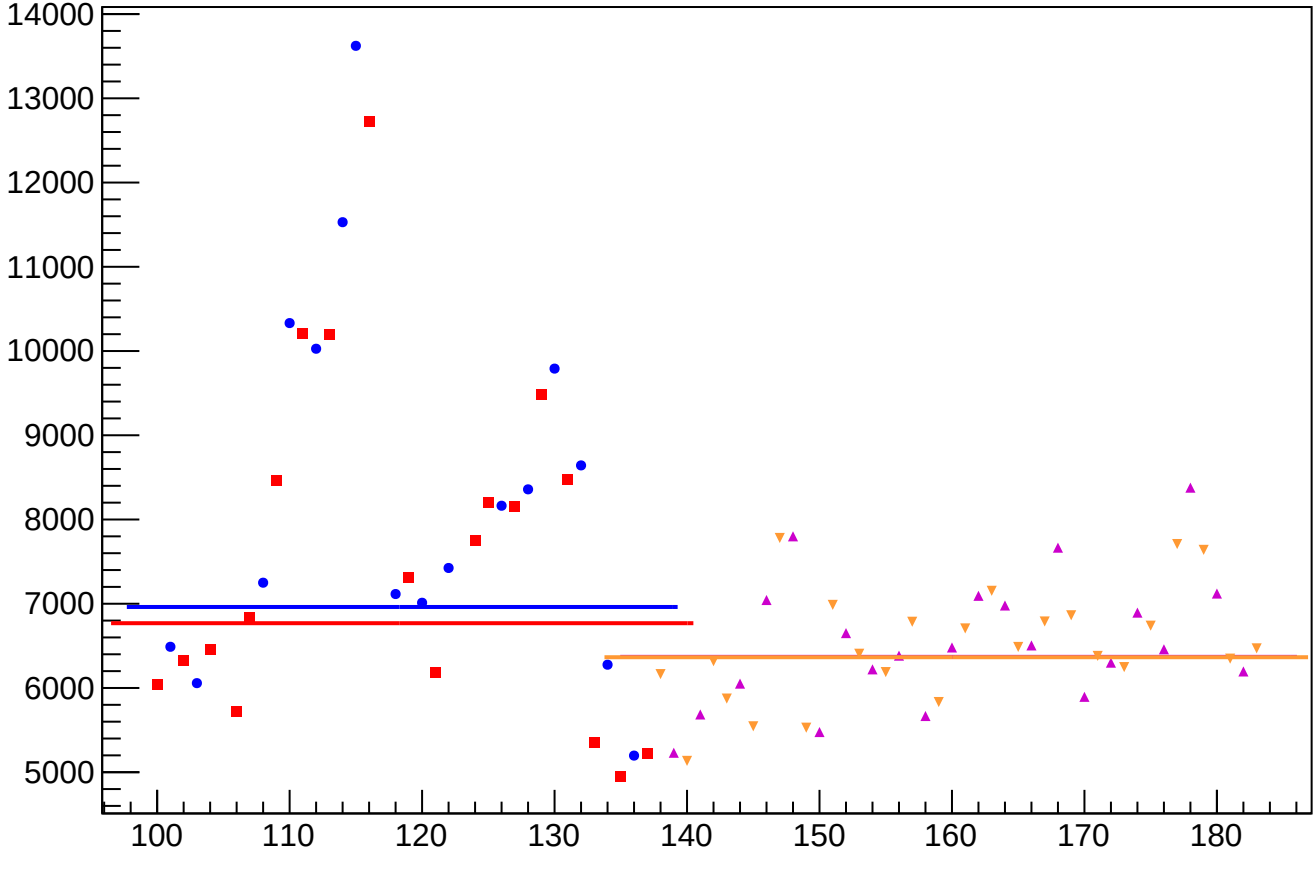
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -1.335+/-1.315 χ^2/NDF:42.0/37

Out: 1.301+/-1.273 χ^2/NDF:41.9/42

All: 0.026+/-0.915 χ^2/NDF: 86.0/80

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6364.971+/-1.039 χ^2/NDF:410940.0/23

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: 6367.160+/-0.745 χ^2/NDF: 880690.2/45

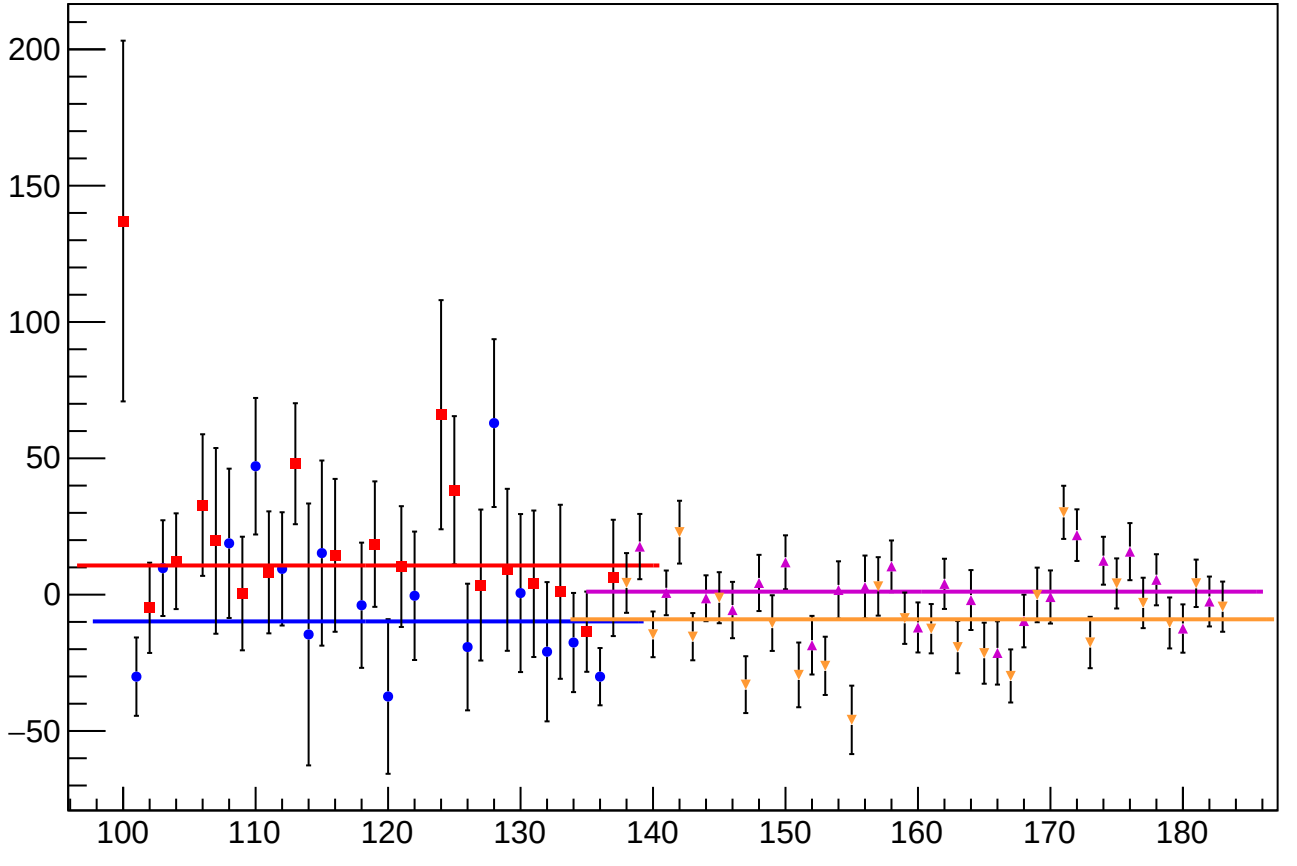
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6514.723+/-0.930 χ^2/NDF:1241190.4/37

Out: 6465.444+/-0.900 χ^2/NDF:1246675.9/42

All: 6489.282+/-0.647 χ^2/NDF: 2489315.8/80

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -9.039+/-2.003 χ^2/NDF:61.5/23

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: -4.162+/-1.443 χ^2/NDF: 100.2/45

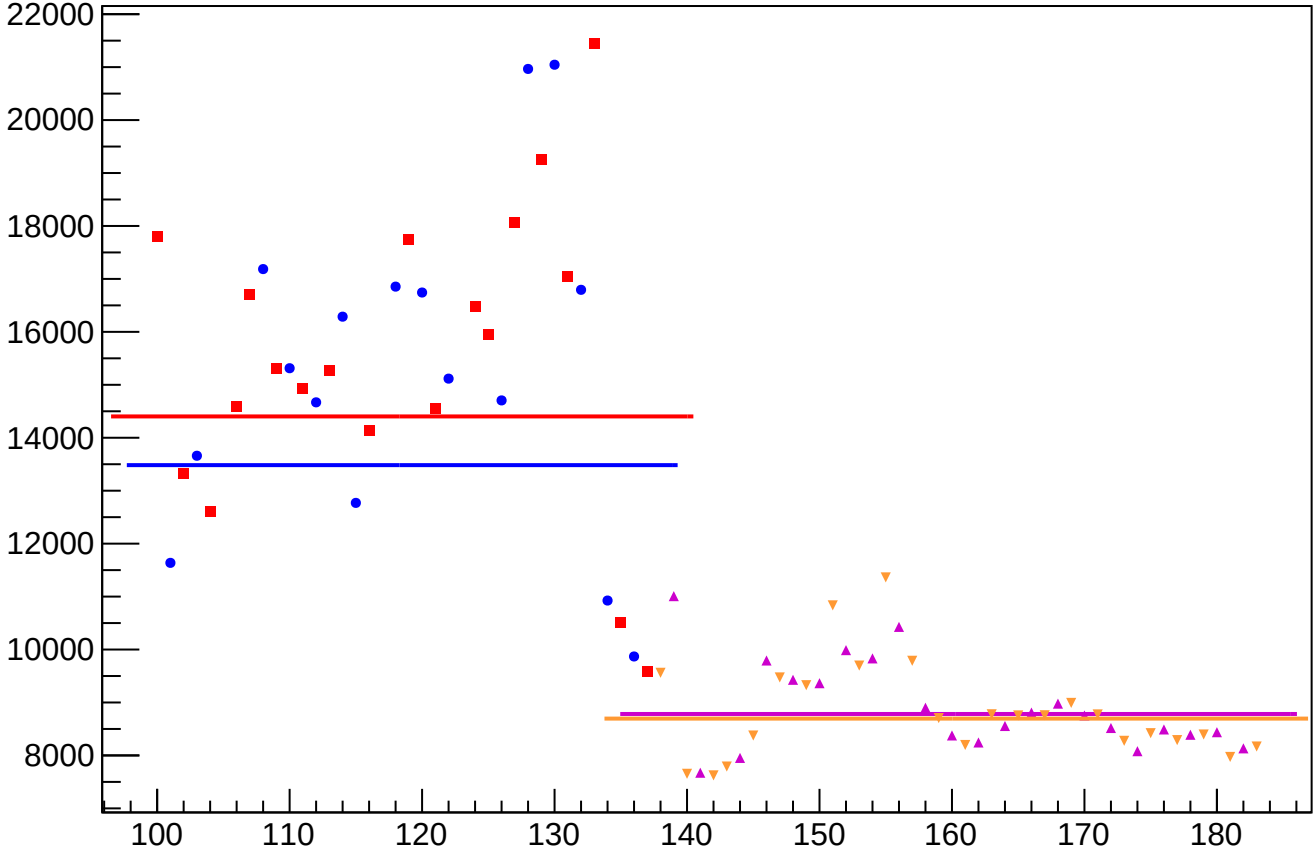
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -0.417+/-1.930 χ^2/NDF:52.3/37

Out: -6.637+/-1.877 χ^2/NDF:87.7/42

All: -3.613+/-1.345 χ^2/NDF: 145.3/80

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8695.625+/-1.416 χ^2/NDF:337728.7/23

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: 8737.640+/-1.020 χ^2/NDF: 629643.0/45

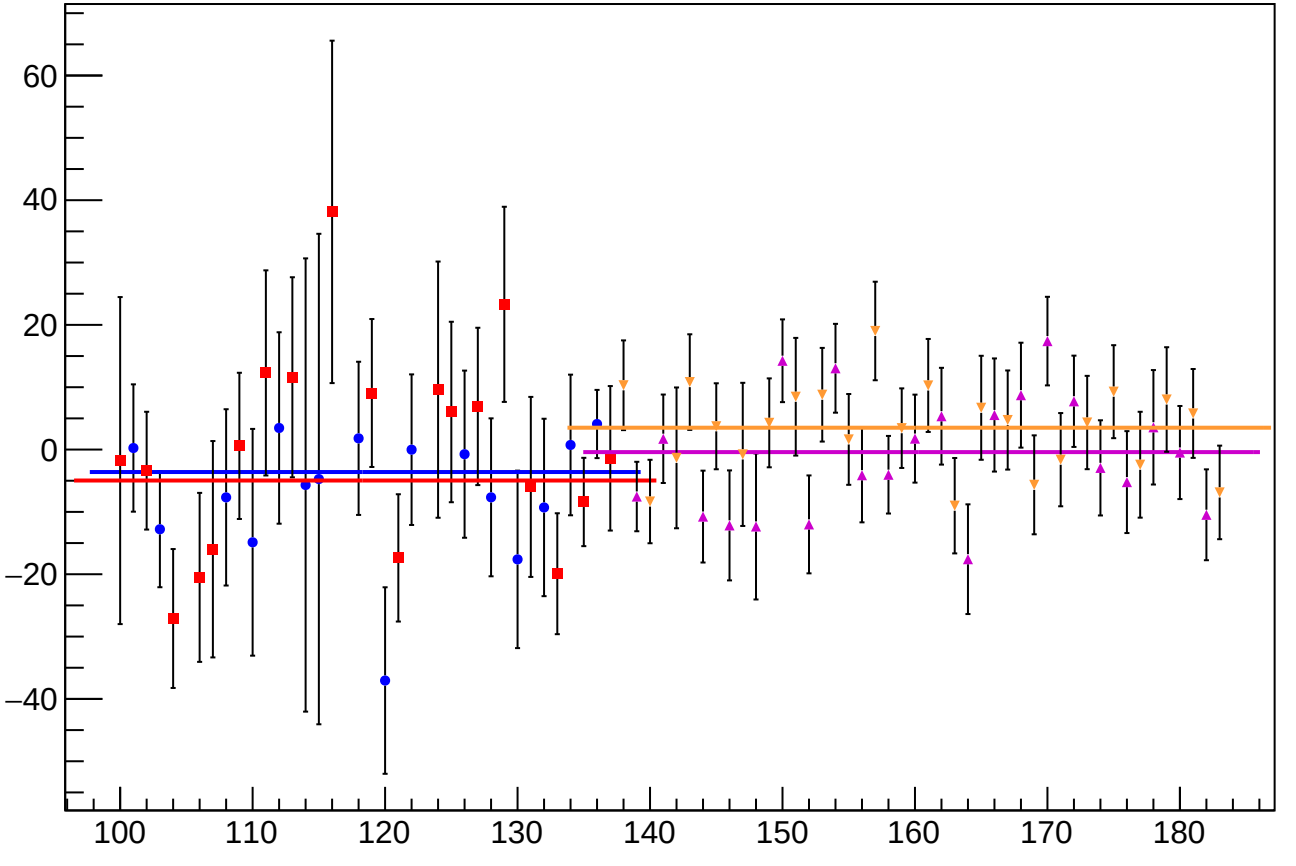
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9435.762+/-1.365 χ^2/NDF:2452628.6/37

Out: 9390.060+/-1.327 χ^2/NDF:2866428.7/42

All: 9412.276+/-0.951 χ^2/NDF: 5319633.8/80

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.504+/-1.574 χ^2/NDF:18.8/23

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: 1.587+/-1.124 χ^2/NDF: 55.7/45

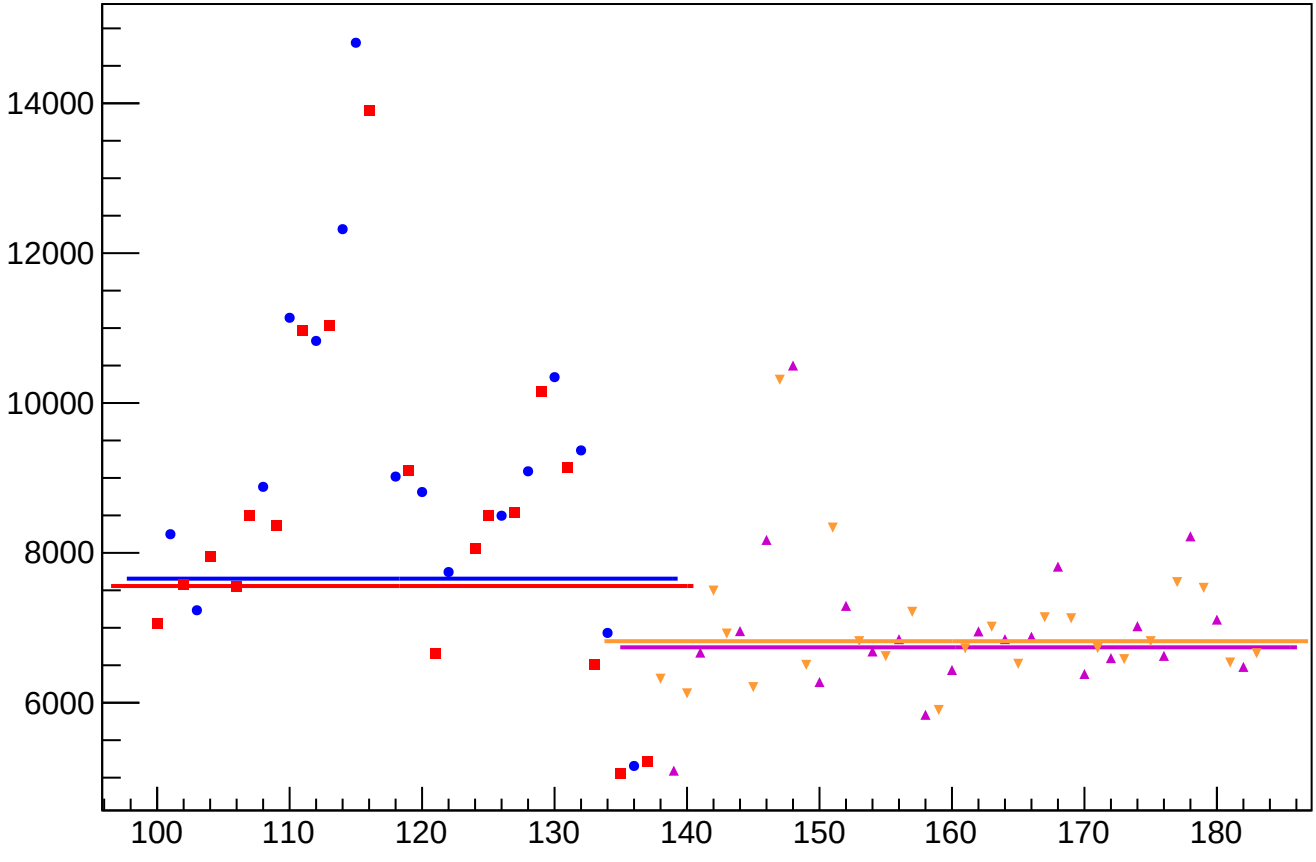
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -1.144+/-1.410 χ^2/NDF:45.2/37

Out: 1.530+/-1.379 χ^2/NDF:47.0/42

All: 0.223+/-0.986 χ^2/NDF: 94.0/80

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6821.151+/-1.113 χ^2/NDF:391217.7/23

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6739.384+/-1.136 χ^2/NDF:604842.2/21

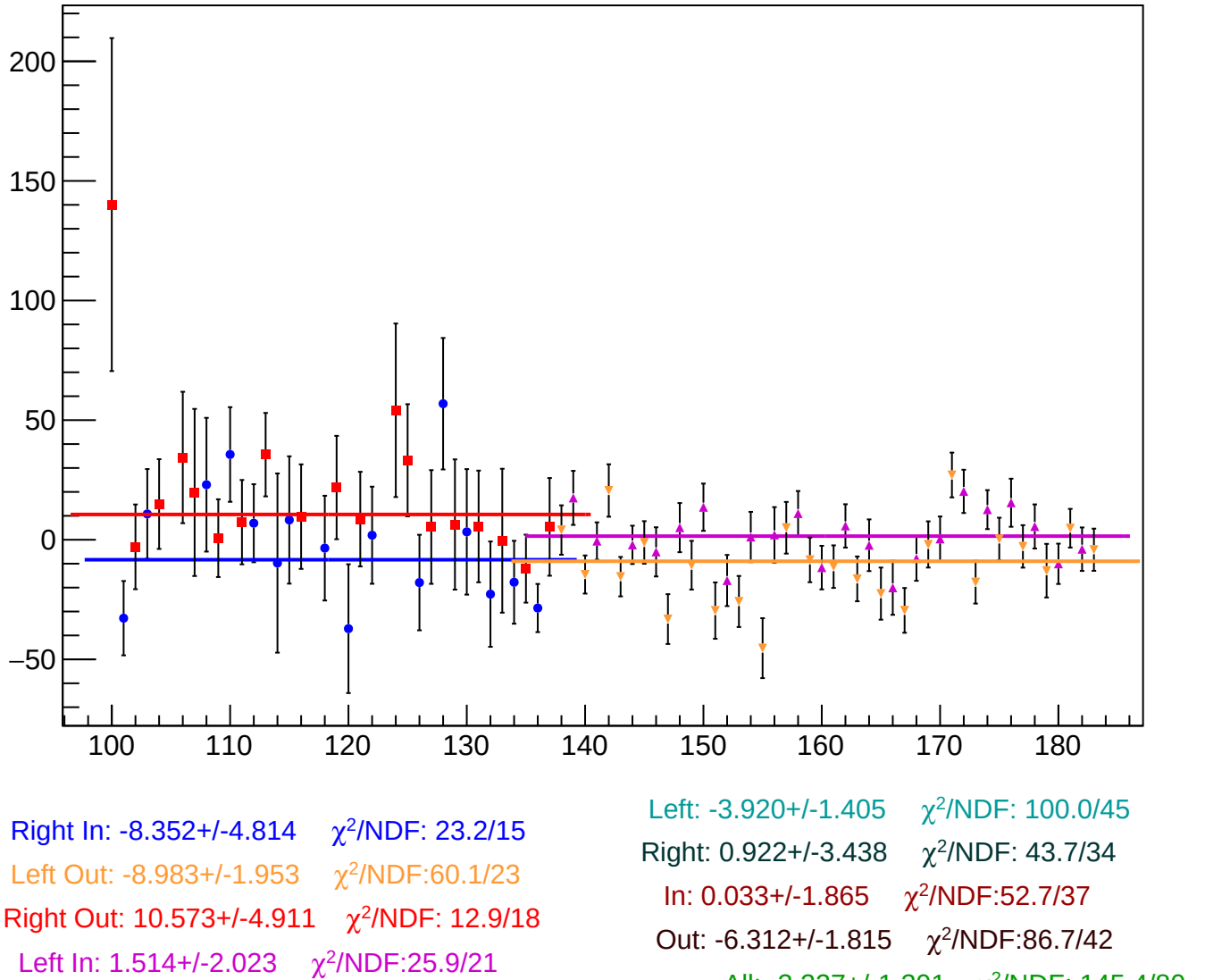
Left: 6781.084+/-0.795 χ^2/NDF: 998703.4/45

Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

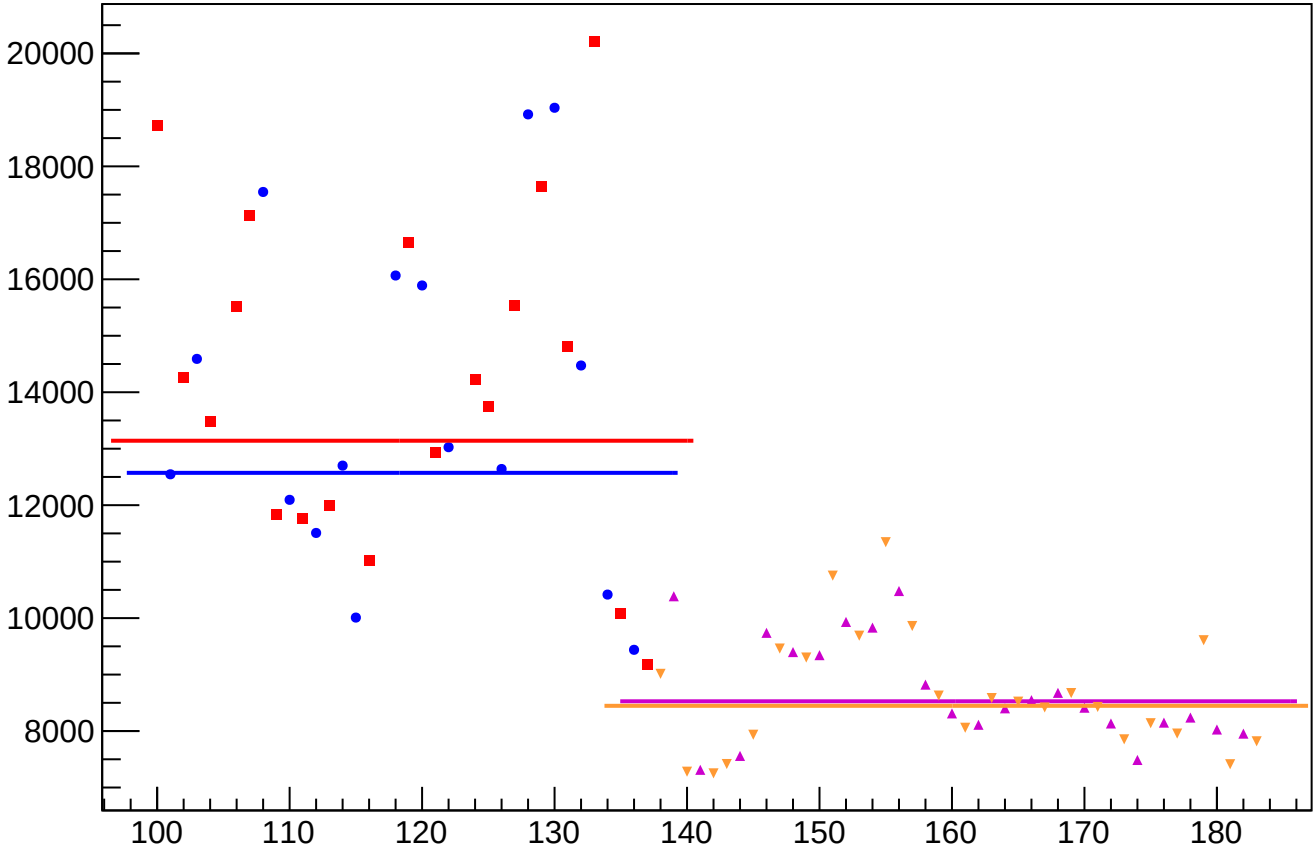
In: 6950.047+/-0.997 χ^2/NDF:1634288.0/37

Out: 6992.818+/-0.975 χ^2/NDF:1303071.4/42

All: 6971.905+/-0.697 χ^2/NDF: 2938300.5/80


diff_bpm4ecX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
Right In: -8.352+/-4.814 χ²/NDF: 23.2/15
Left Out: -8.983+/-1.953 χ²/NDF:60.1/23
Right Out: 10.573+/-4.911 χ²/NDF: 12.9/18
Left In: 1.514+/-2.023 χ²/NDF:25.9/21
Left: -3.920+/-1.405 χ²/NDF: 100.0/45
Right: 0.922+/-3.438 χ²/NDF: 43.7/34
In: 0.033+/-1.865 χ²/NDF:52.7/37
Out: -6.312+/-1.815 χ²/NDF:86.7/42
All: -3.227+/-1.301 χ²/NDF: 145.4/80

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8446.908+/-1.381 χ^2/NDF:476633.9/23

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: 8485.547+/-0.994 χ^2/NDF: 852471.8/45

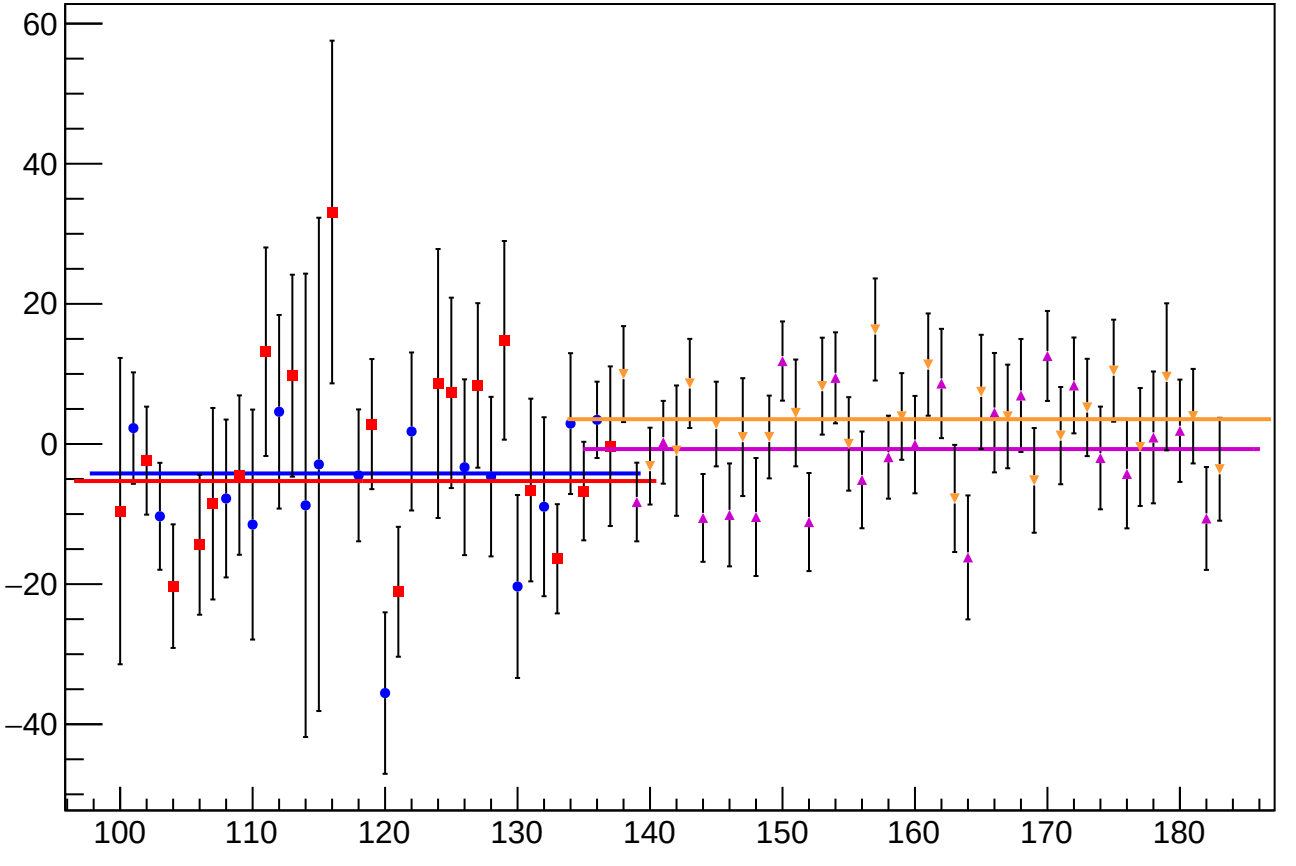
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9134.432+/-1.319 χ^2/NDF:2239760.0/37

Out: 9087.974+/-1.283 χ^2/NDF:2589278.9/42

All: 9110.566+/-0.920 χ^2/NDF: 4829676.3/80

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.544+/-1.447 χ^2/NDF:14.9/23

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: 1.469+/-1.037 χ^2/NDF: 50.5/45

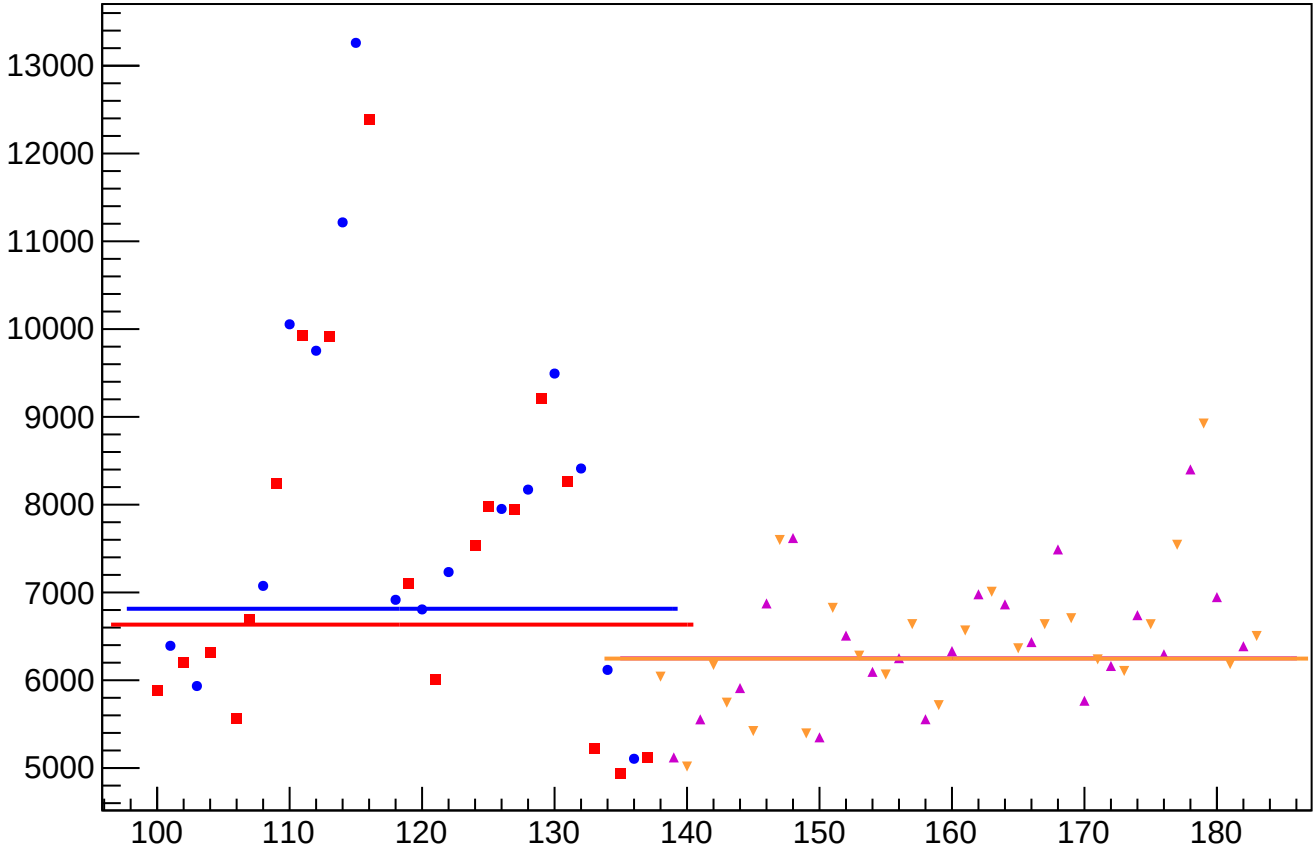
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -1.583+/-1.291 χ^2/NDF:46.6/37

Out: 1.331+/-1.252 χ^2/NDF:44.0/42

All: -0.081+/-0.899 χ^2/NDF: 93.2/80

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6246.679+/-1.023 χ^2/NDF:503253.7/23

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: 6247.989+/-0.733 χ^2/NDF: 987049.1/45

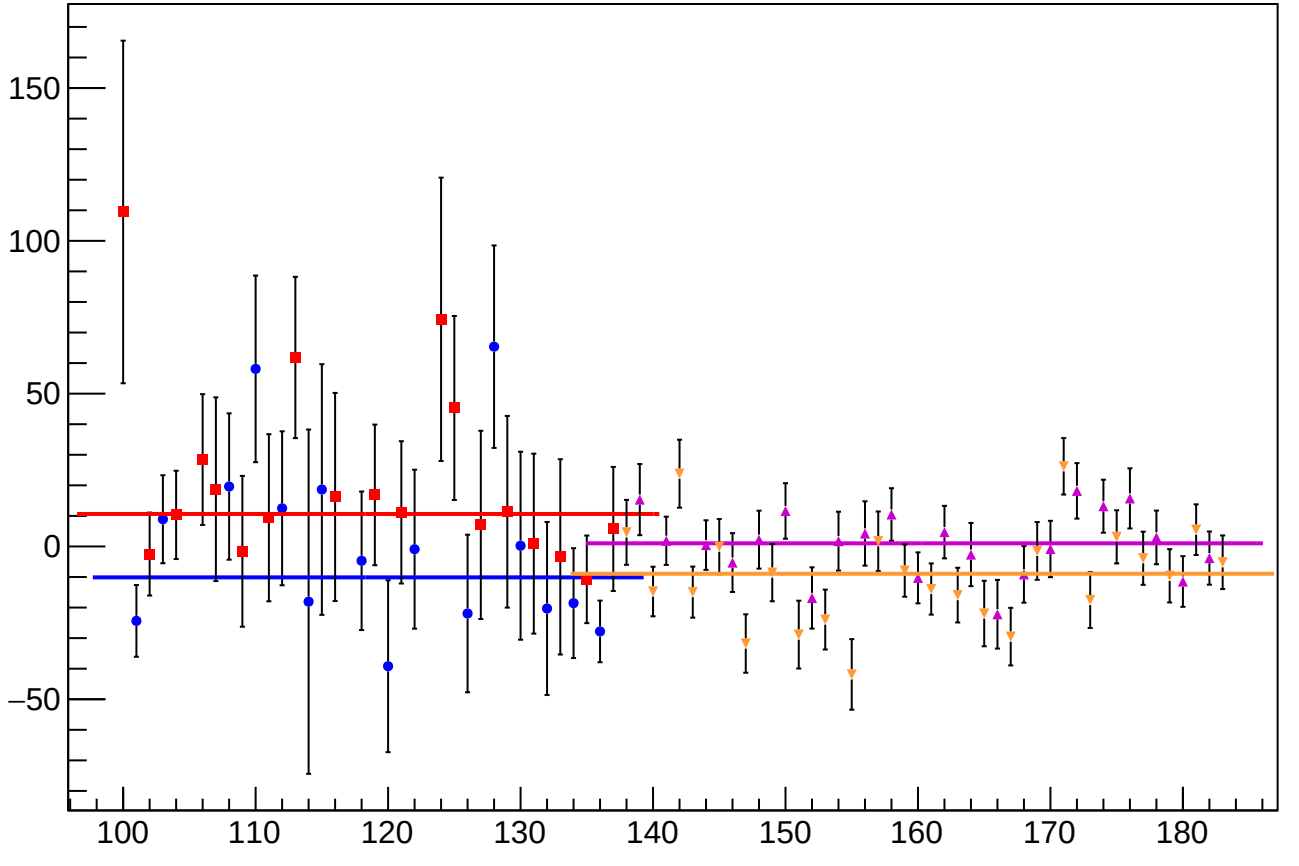
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6388.676+/-0.913 χ^2/NDF:1228998.6/37

Out: 6343.647+/-0.886 χ^2/NDF:1302464.6/42

All: 6365.473+/-0.636 χ^2/NDF: 2532716.5/80

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -8.932+/-1.890 χ^2/NDF:61.6/23

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: -4.130+/-1.360 χ^2/NDF: 100.8/45

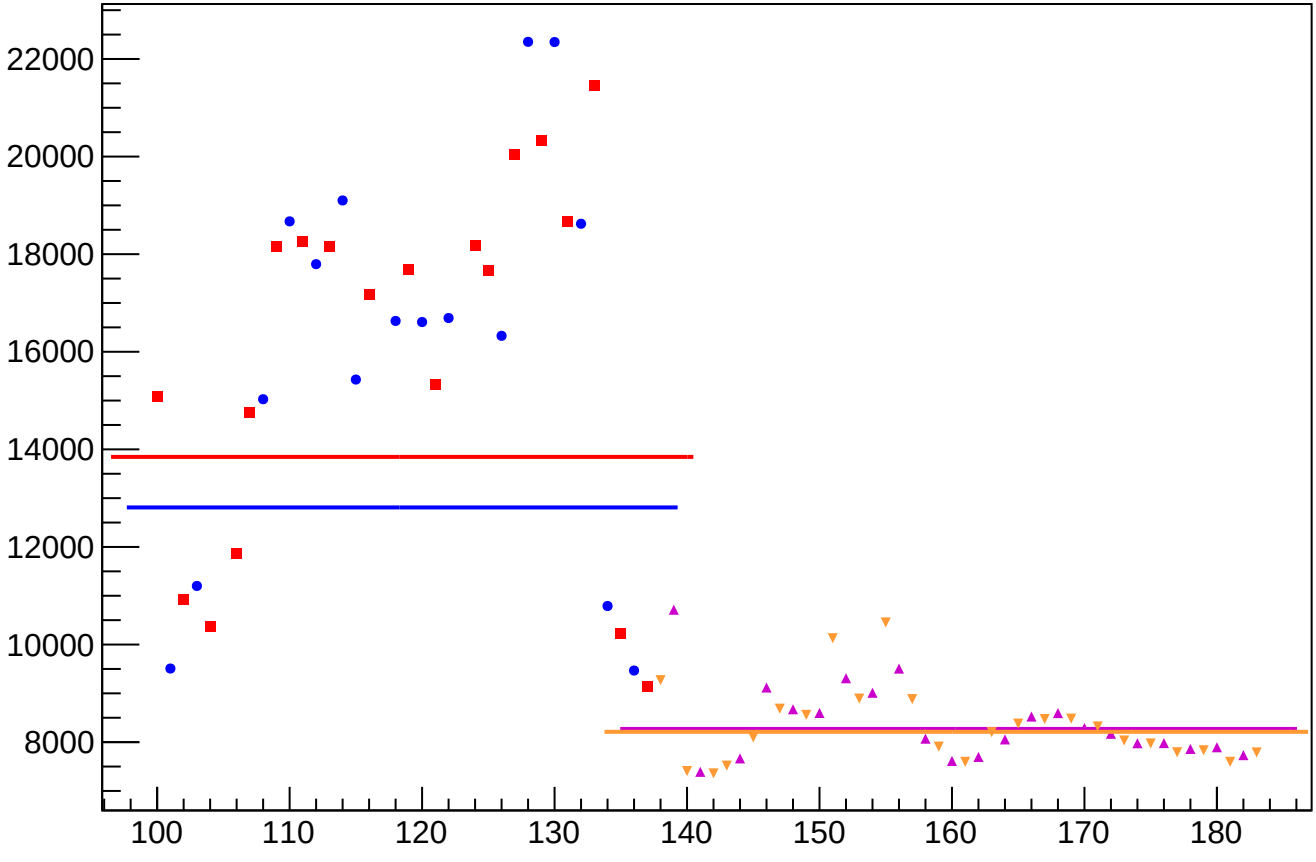
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -0.448+/-1.824 χ^2/NDF:51.4/37

Out: -6.709+/-1.779 χ^2/NDF:88.5/42

All: -3.656+/-1.273 χ^2/NDF: 146.0/80

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8211.976+/-1.336 χ^2/NDF:270906.8/23

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8270.923+/-1.384 χ^2/NDF:253547.3/21

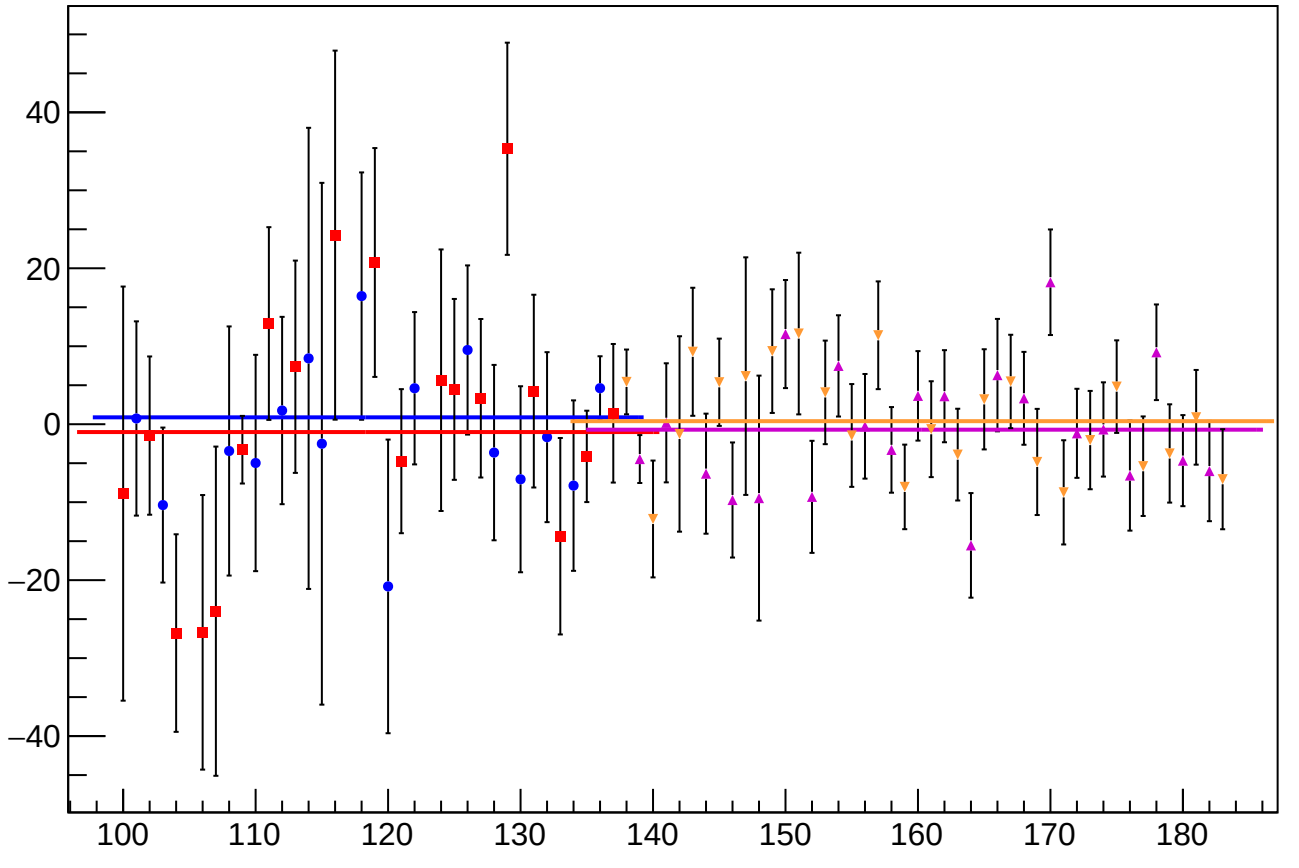
Left: 8240.407+/-0.961 χ^2/NDF: 525392.9/45

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 8870.617+/-1.290 χ^2/NDF:2922461.4/37

Out: 8852.275+/-1.258 χ^2/NDF:3388108.9/42

All: 8861.218+/-0.900 χ^2/NDF: 6310674.0/80



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 0.390+/-1.330 χ^2/NDF:21.4/23

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -0.702+/-1.302 χ^2/NDF:29.9/21

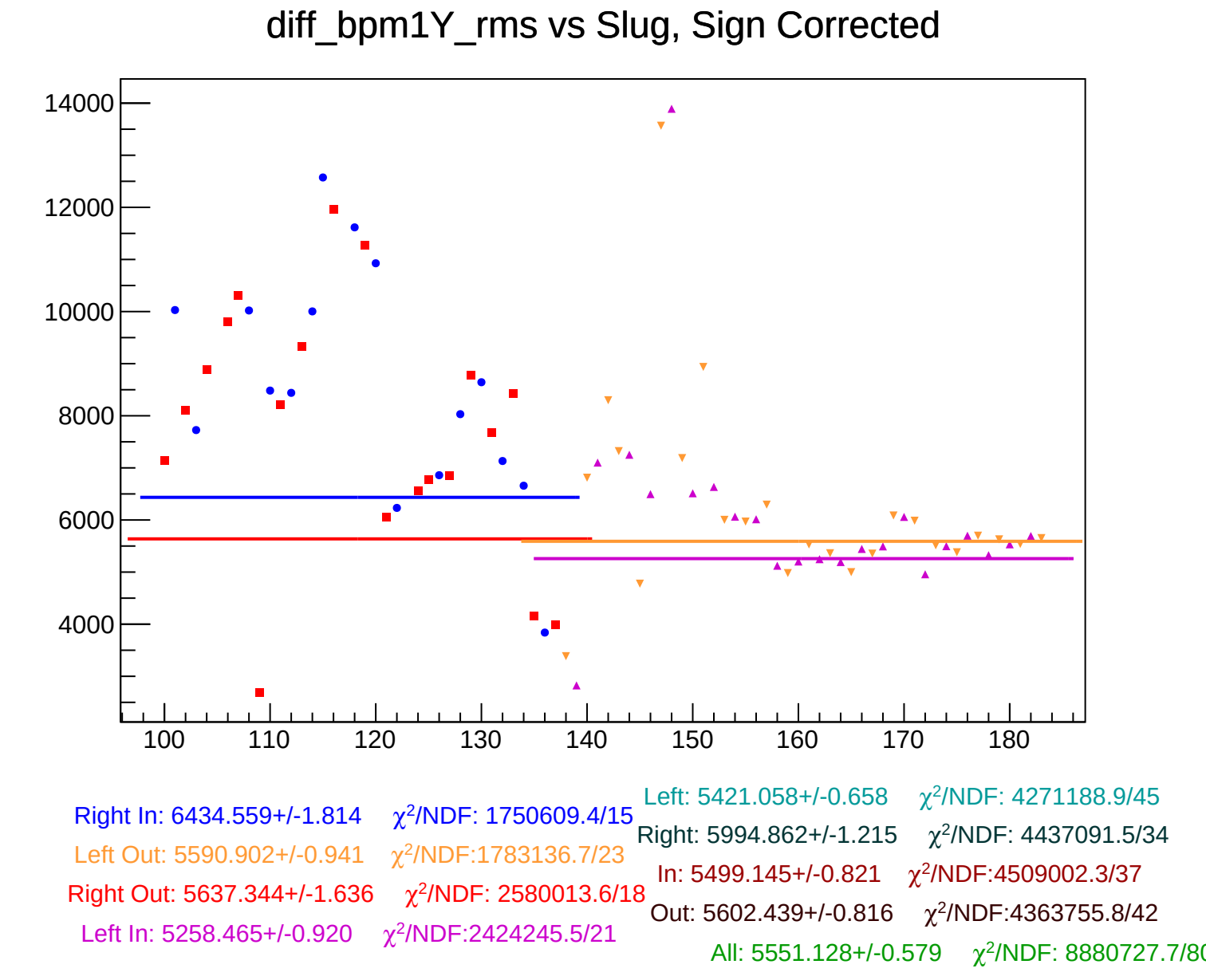
Left: -0.168+/-0.930 χ^2/NDF: 51.7/45

Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

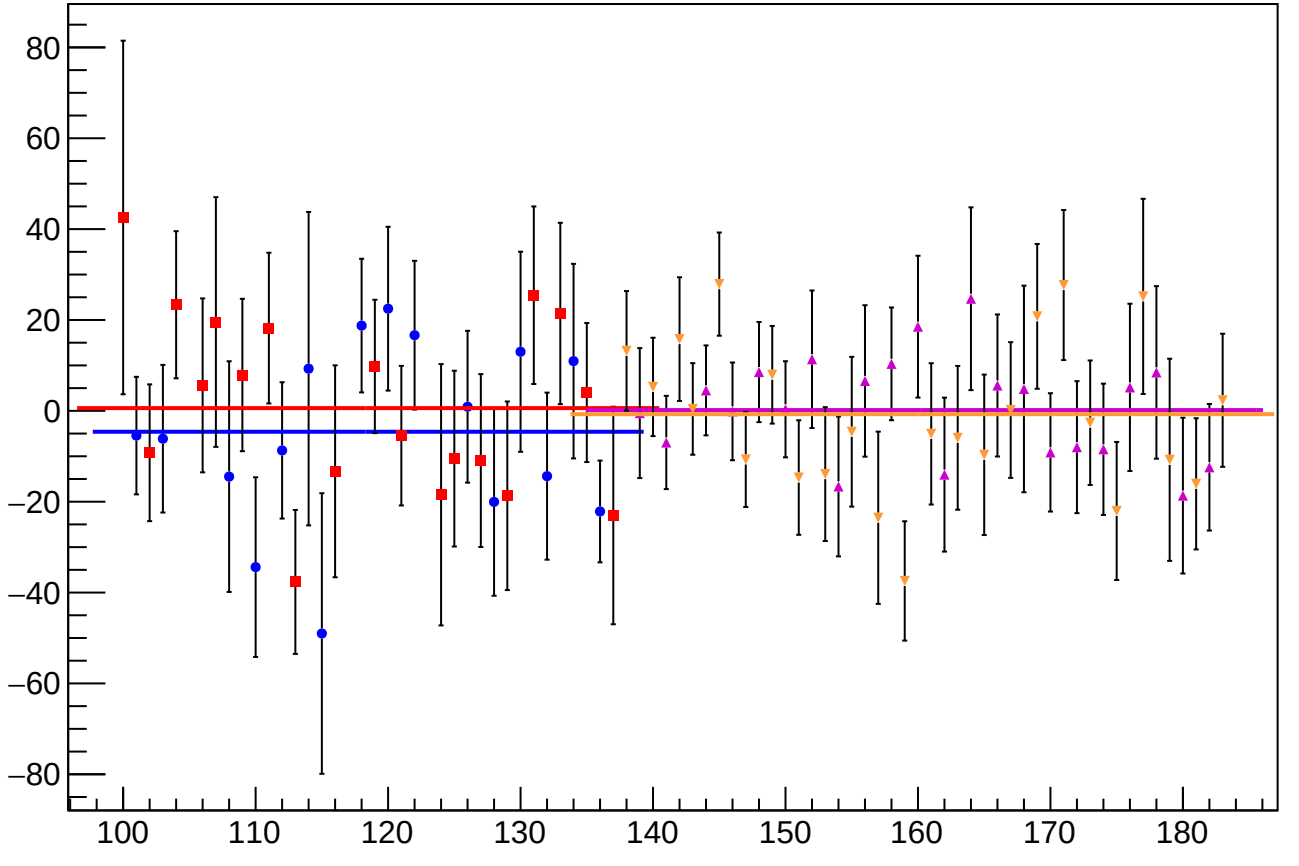
In: -0.378+/-1.161 χ^2/NDF:37.0/37

Out: 0.044+/-1.153 χ^2/NDF:44.0/42

All: -0.166+/-0.818 χ^2/NDF: 81.1/80


diff_bpm1Y_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 6434.559+/-1.814 χ²/NDF: 1750609.4/15
Left Out: 5590.902+/-0.941 χ²/NDF:1783136.7/23
Right Out: 5637.344+/-1.636 χ²/NDF: 2580013.6/18
Left In: 5258.465+/-0.920 χ²/NDF:2424245.5/21
Left: 5421.058+/-0.658 χ²/NDF: 4271188.9/45
Right: 5994.862+/-1.215 χ²/NDF: 4437091.5/34
In: 5499.145+/-0.821 χ²/NDF:4509002.3/37
Out: 5602.439+/-0.816 χ²/NDF:4363755.8/42
All: 5551.128+/-0.579 χ²/NDF: 8880727.7/80

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.737+/-2.829 χ^2/NDF:32.2/23

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 0.166+/-2.951 χ^2/NDF:11.0/21

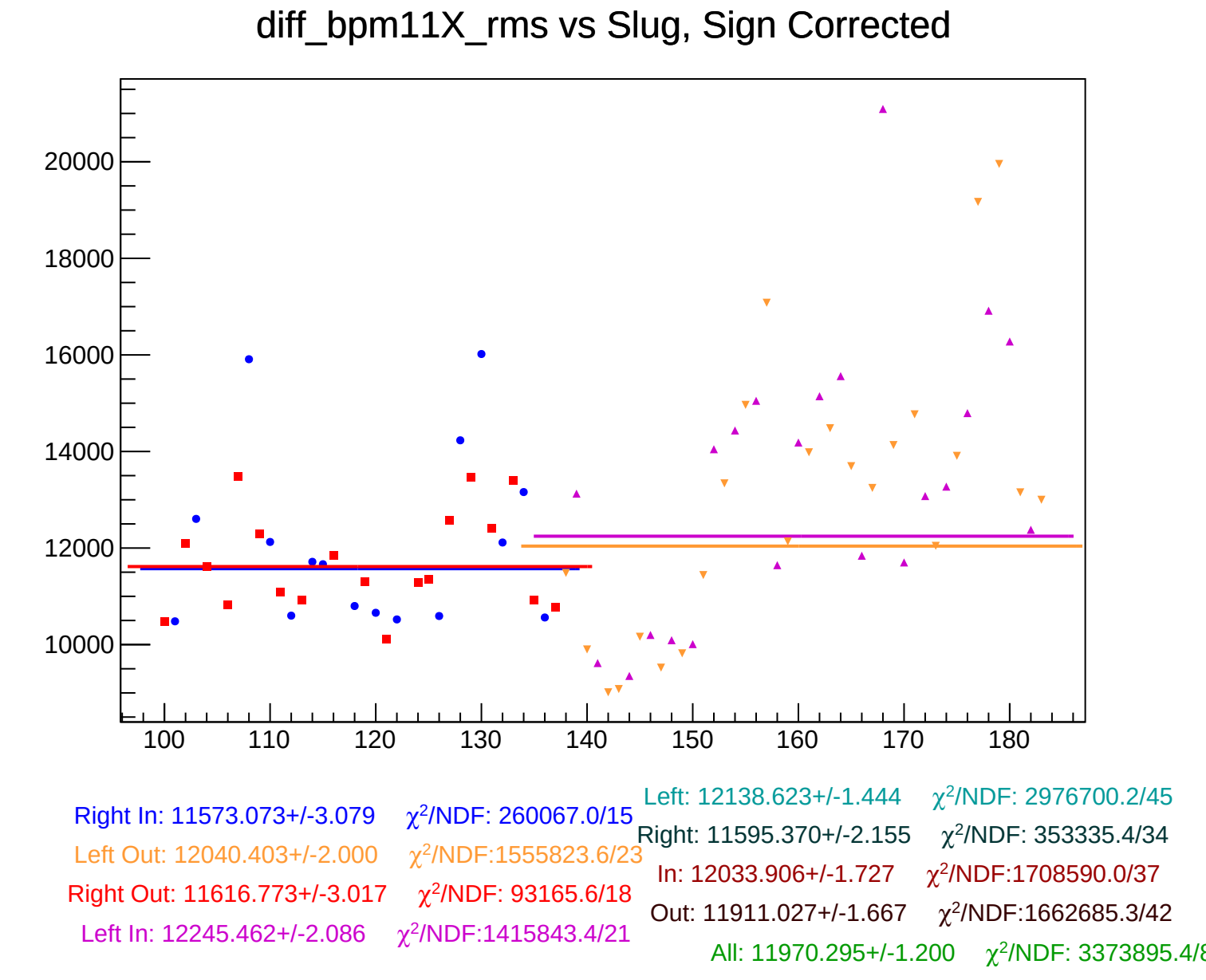
Left: -0.304+/-2.042 χ^2/NDF: 43.3/45

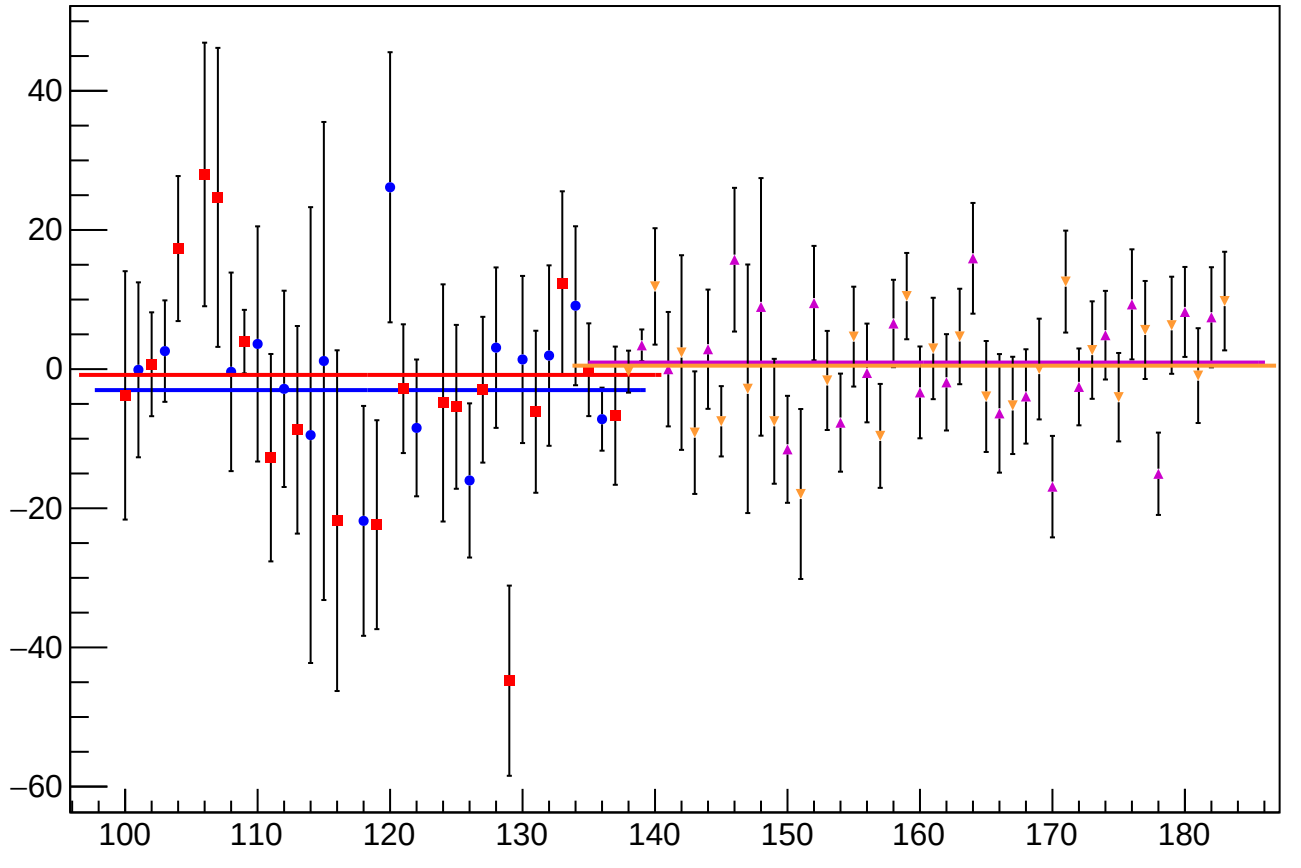
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -1.334+/-2.443 χ^2/NDF:27.6/37

Out: -0.329+/-2.358 χ^2/NDF:50.2/42

All: -0.814+/-1.696 χ^2/NDF: 77.9/80


diff_bpm11X_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
180
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 12040.403+/-2.000 χ²/NDF:1555823.6/23
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 12245.462+/-2.086 χ²/NDF:1415843.4/21
Left: 12138.623+/-1.444 χ²/NDF: 2976700.2/45
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 12033.906+/-1.727 χ²/NDF:1708590.0/37
Out: 11911.027+/-1.667 χ²/NDF:1662685.3/42
All: 11970.295+/-1.200 χ²/NDF: 3373895.4/8



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: 0.499+/-1.376 χ^2/NDF:21.4/23

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 0.946+/-1.303 χ^2/NDF:32.2/21

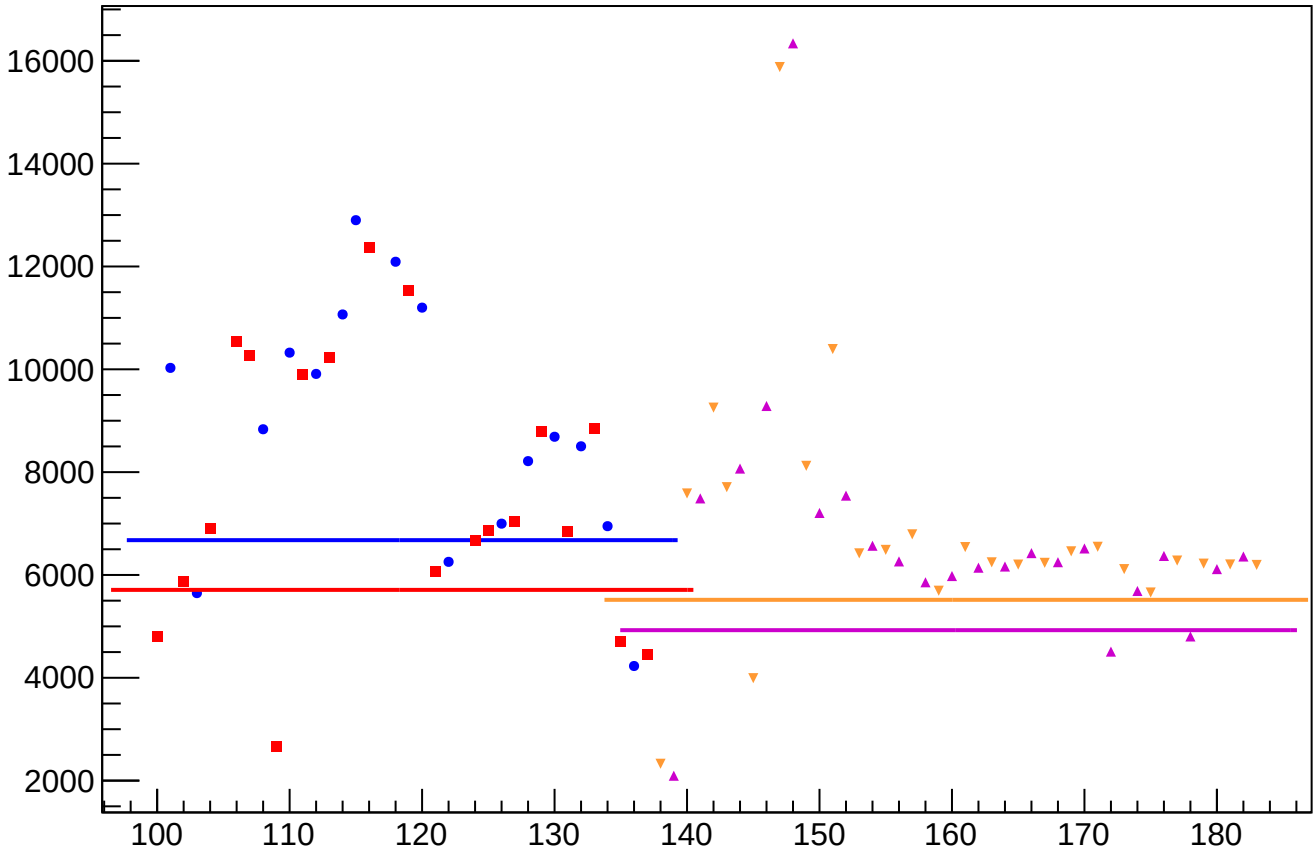
Left: 0.735+/-0.946 χ^2/NDF: 53.6/45

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.177+/-1.169 χ^2/NDF:42.6/37

Out: 0.159+/-1.188 χ^2/NDF:45.5/42

All: 0.169+/-0.833 χ^2/NDF: 88.1/80



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5516.431+/-0.973 χ^2/NDF:4363201.4/23

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4926.221+/-0.921 χ^2/NDF:5913414.3/21

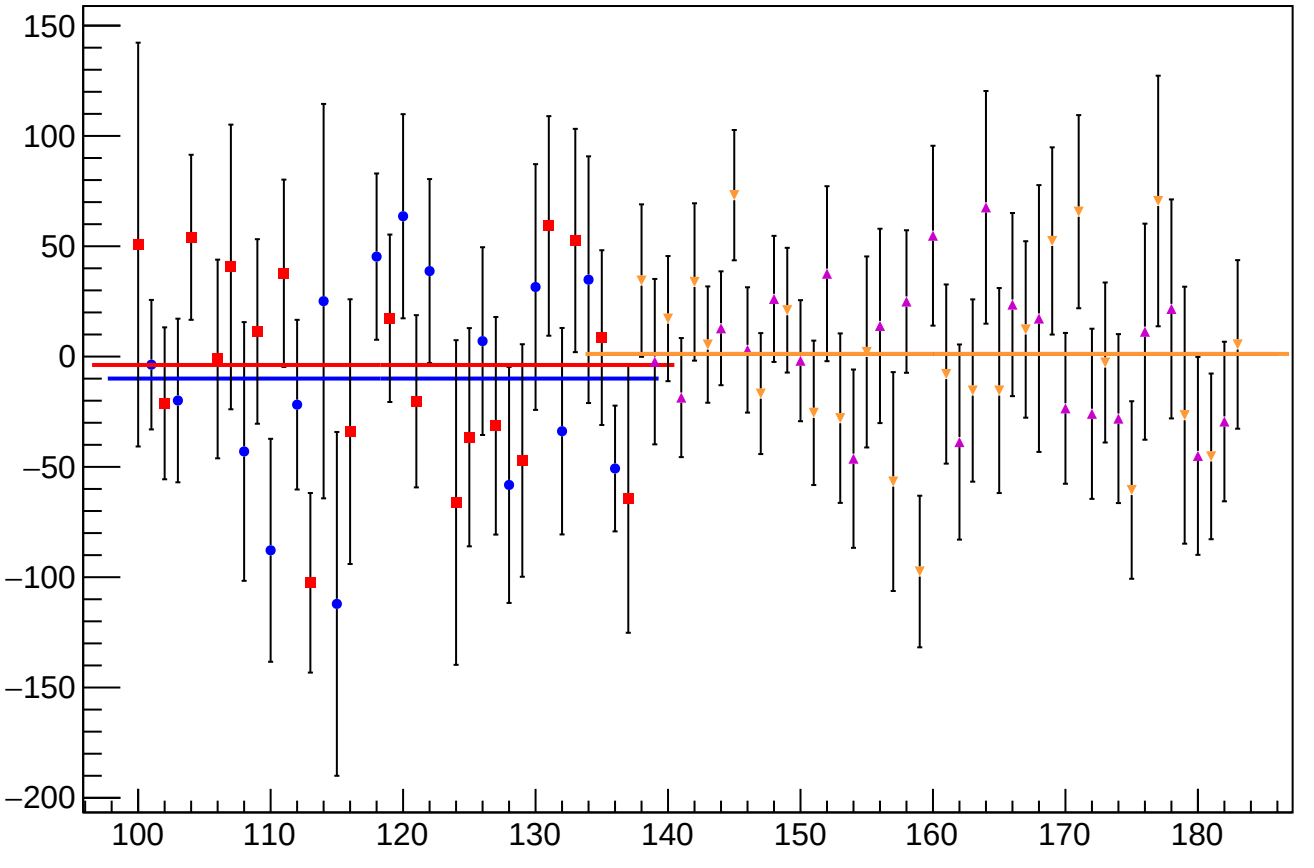
Left: 5205.097+/-0.669 χ^2/NDF: 10470583.8/45

Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5266.147+/-0.827 χ^2/NDF:8187585.0/37

Out: 5565.781+/-0.840 χ^2/NDF:6674315.3/42

All: 5413.616+/-0.589 χ^2/NDF: 14926518.4/8



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.200+/-7.419 χ^2/NDF:29.5/23

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 1.180+/-7.733 χ^2/NDF:12.5/21

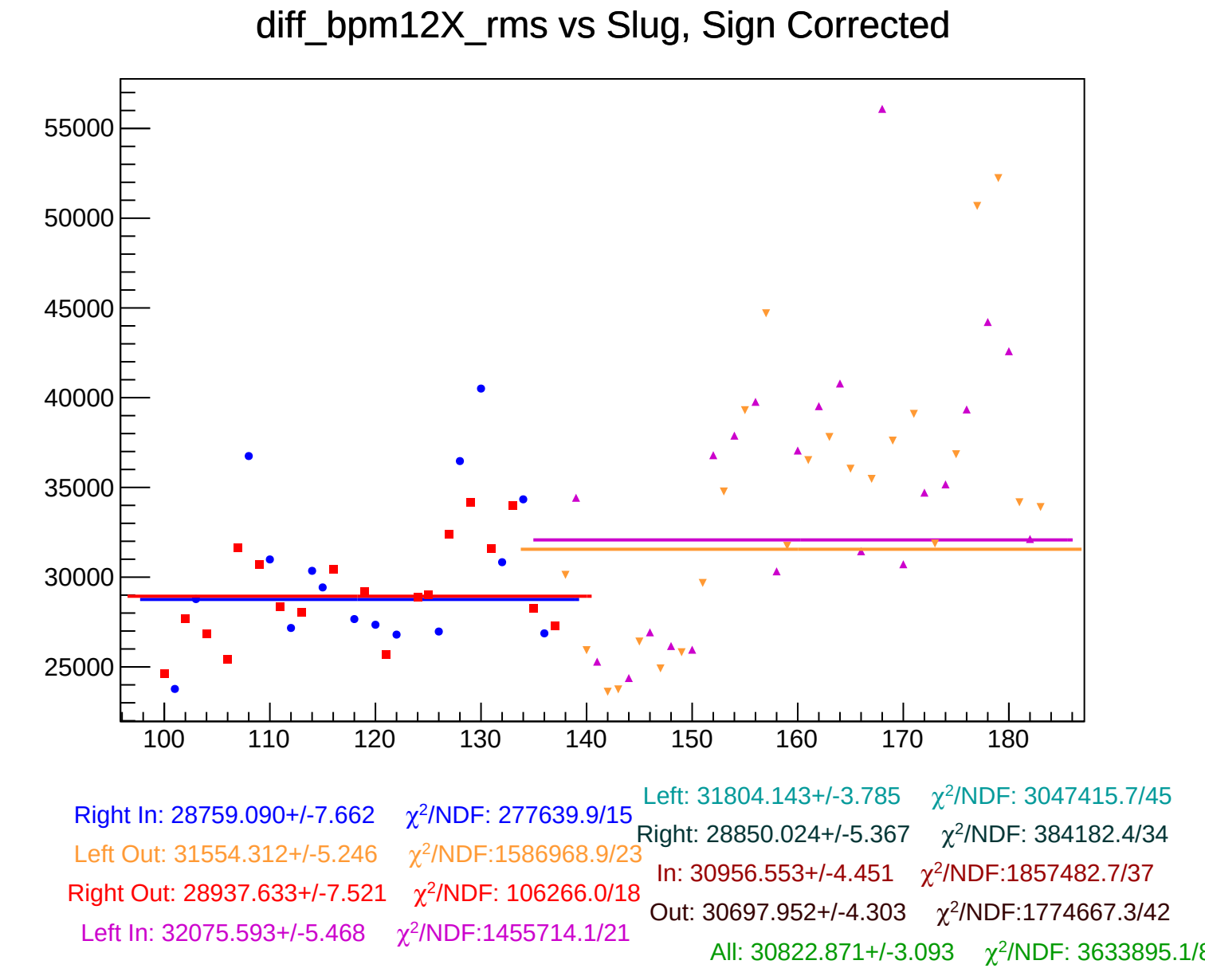
Left: 1.191+/-5.353 χ^2/NDF: 41.9/45

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

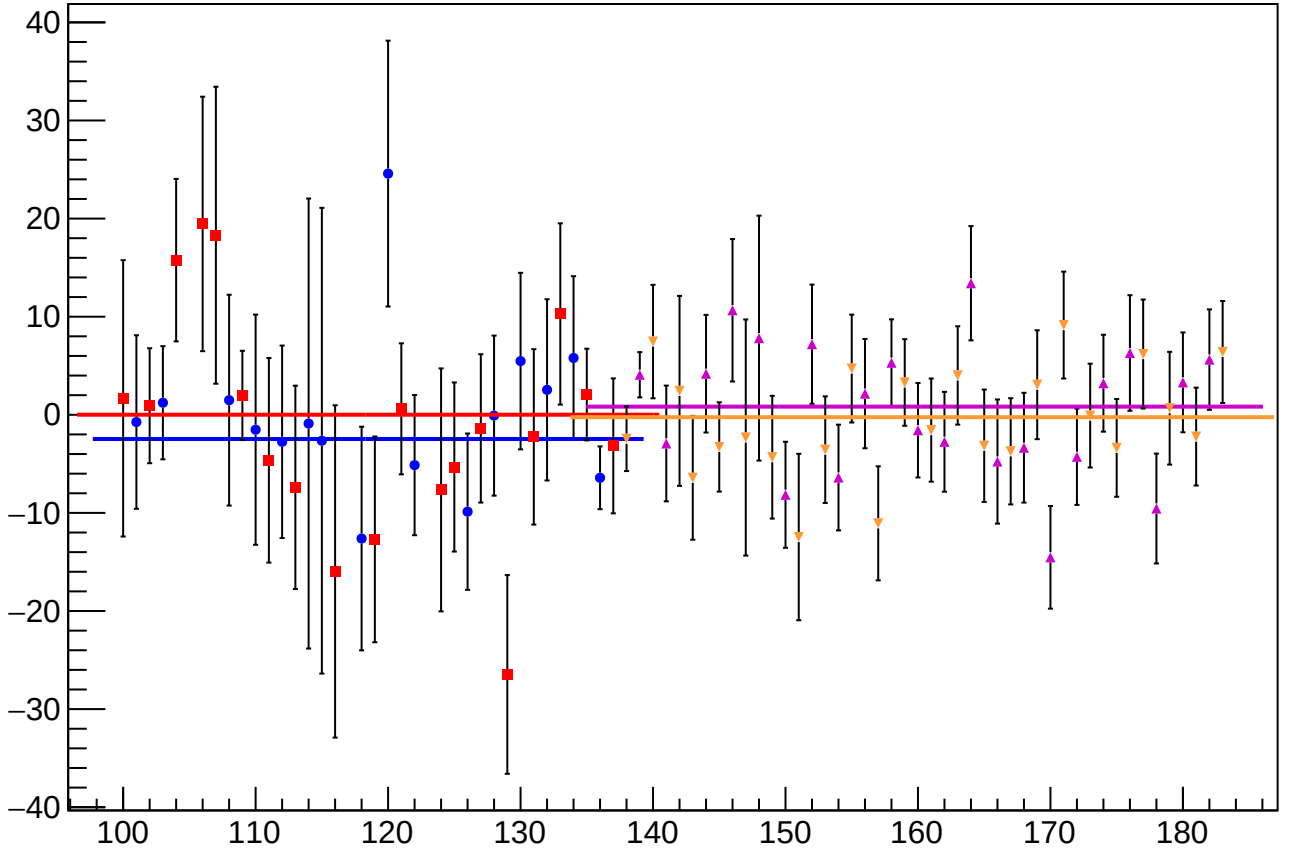
In: -2.582+/-6.295 χ^2/NDF:28.5/37

Out: -0.441+/-6.085 χ^2/NDF:46.9/42

All: -1.475+/-4.375 χ^2/NDF: 75.4/80


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: 31554.312+/-5.246 χ²/NDF:1586968.9/23
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32075.593+/-5.468 χ²/NDF:1455714.1/21
Left: 31804.143+/-3.785 χ²/NDF: 3047415.7/45
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30956.553+/-4.451 χ²/NDF:1857482.7/37
Out: 30697.952+/-4.303 χ²/NDF:1774667.3/42
All: 30822.871+/-3.093 χ²/NDF: 3633895.1/8

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.243+/-1.102 χ^2/NDF:19.9/23

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: 0.310+/-0.768 χ^2/NDF: 54.0/45

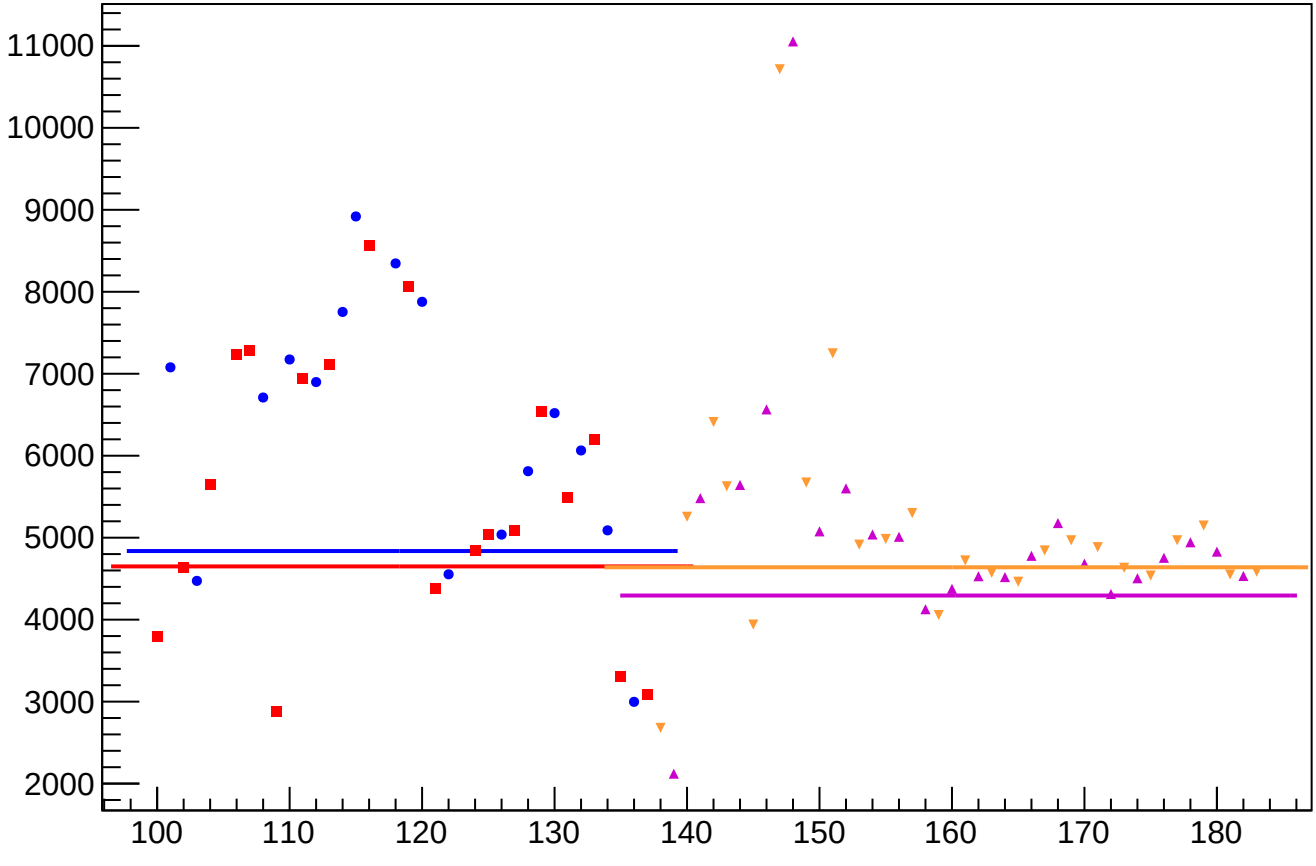
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.047+/-0.934 χ^2/NDF:46.0/37

Out: -0.176+/-0.944 χ^2/NDF:39.8/42

All: -0.063+/-0.664 χ^2/NDF: 85.9/80

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4638.969+/-0.779 χ^2/NDF:1762832.2/23

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: 4461.556+/-0.543 χ^2/NDF: 4959043.8/45

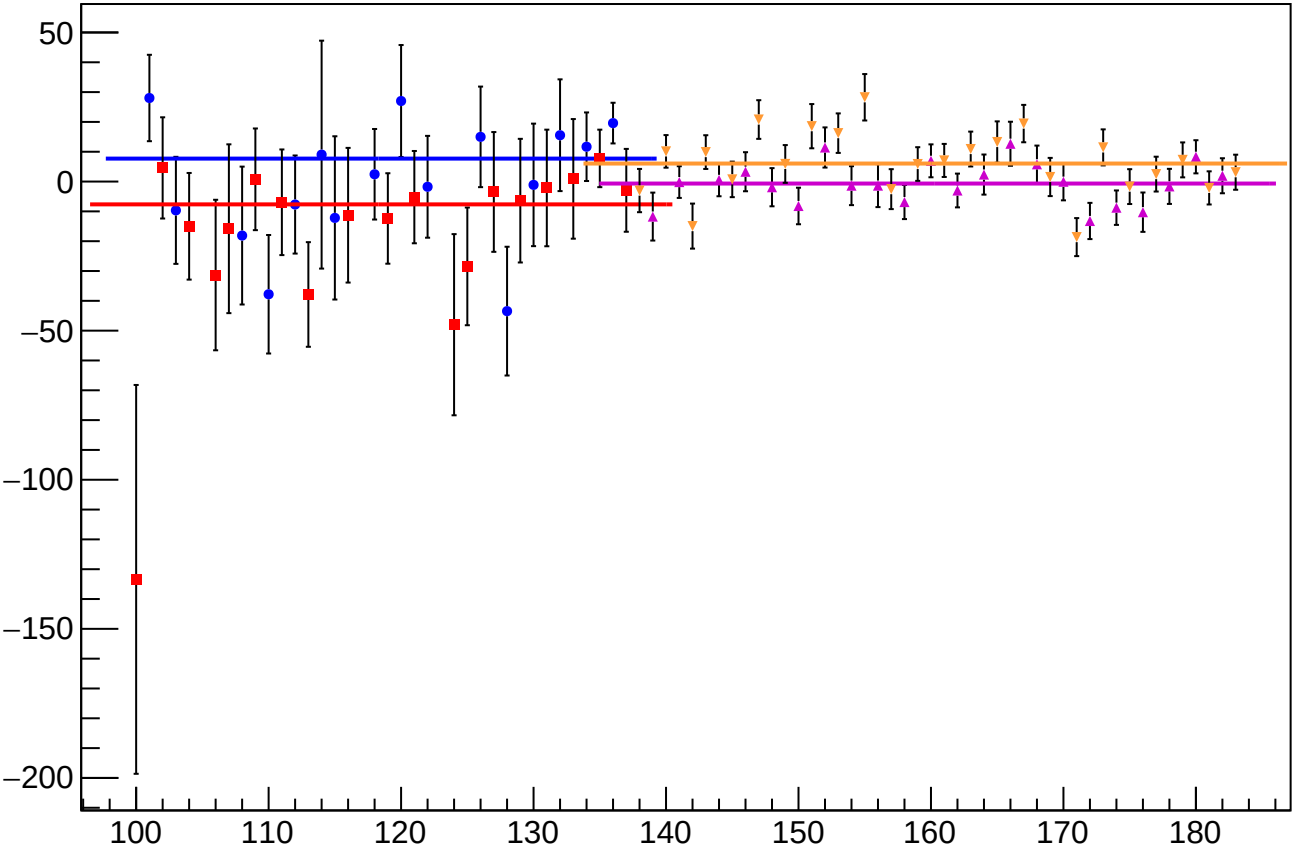
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4423.439+/-0.661 χ^2/NDF:4765727.2/37

Out: 4641.806+/-0.667 χ^2/NDF:3197430.6/42

All: 4531.491+/-0.470 χ^2/NDF: 8017231.3/80

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.043+/-1.267 χ^2/NDF:58.5/23

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: 2.809+/-0.912 χ^2/NDF: 98.1/45

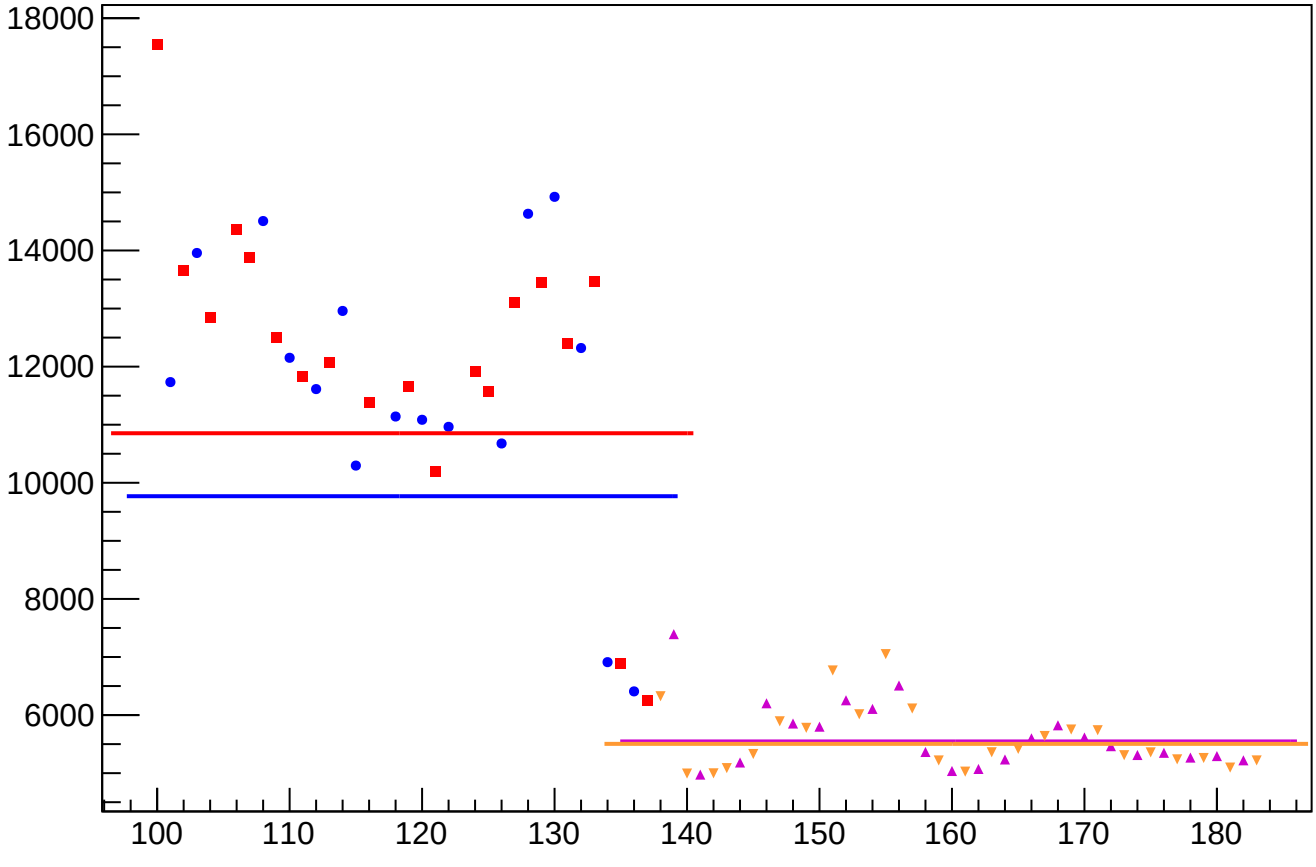
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 0.218+/-1.242 χ^2/NDF:52.0/37

Out: 4.848+/-1.211 χ^2/NDF:83.3/42

All: 2.593+/-0.867 χ^2/NDF: 142.4/80

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5504.376+/-0.896 χ^2/NDF:295552.5/23

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: 5524.503+/-0.645 χ^2/NDF: 596456.8/45

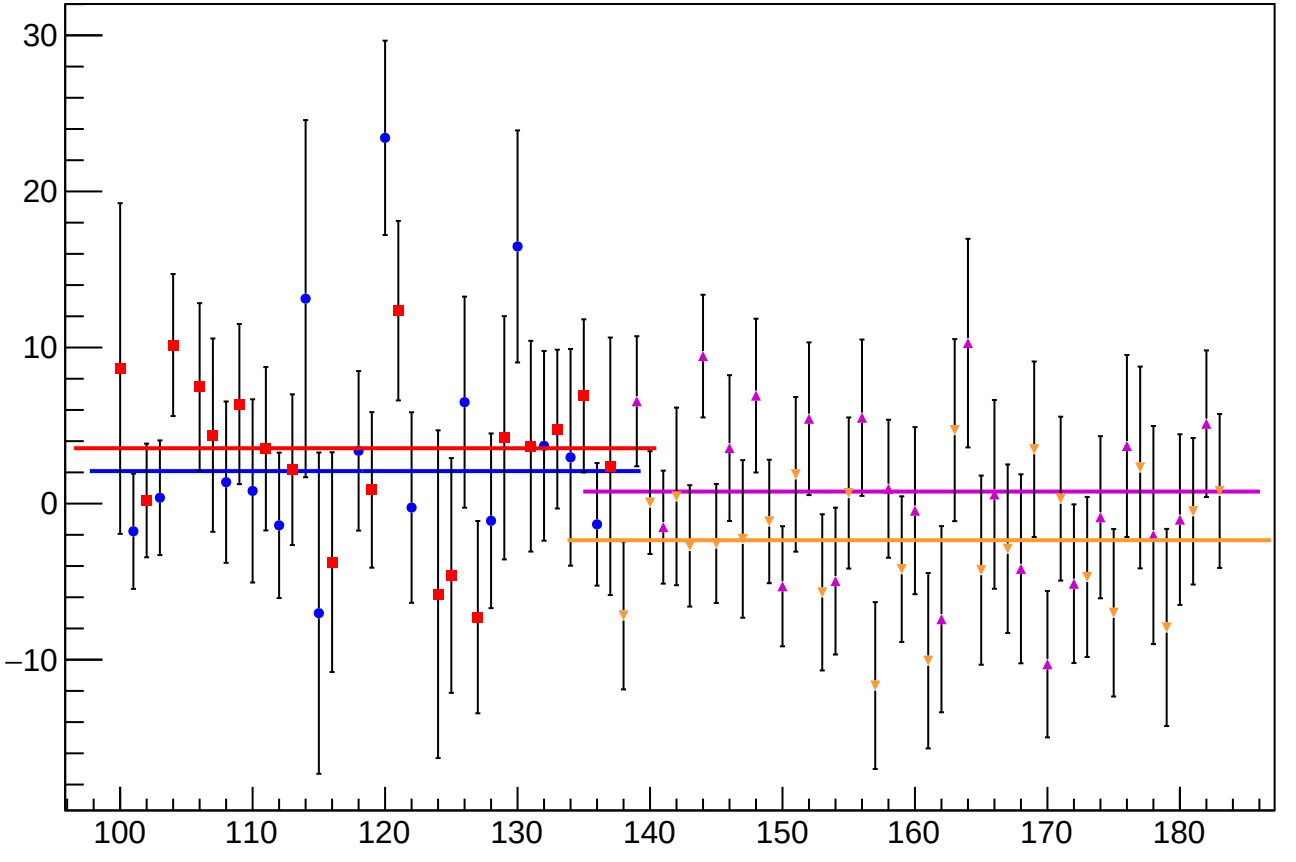
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 5992.628+/-0.878 χ^2/NDF:3699241.4/37

Out: 5970.880+/-0.856 χ^2/NDF:4278016.1/42

All: 5981.475+/-0.613 χ^2/NDF: 7977572.0/80

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.346+/-0.996 χ^2/NDF:14.3/23

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: -0.858+/-0.720 χ^2/NDF: 46.9/45

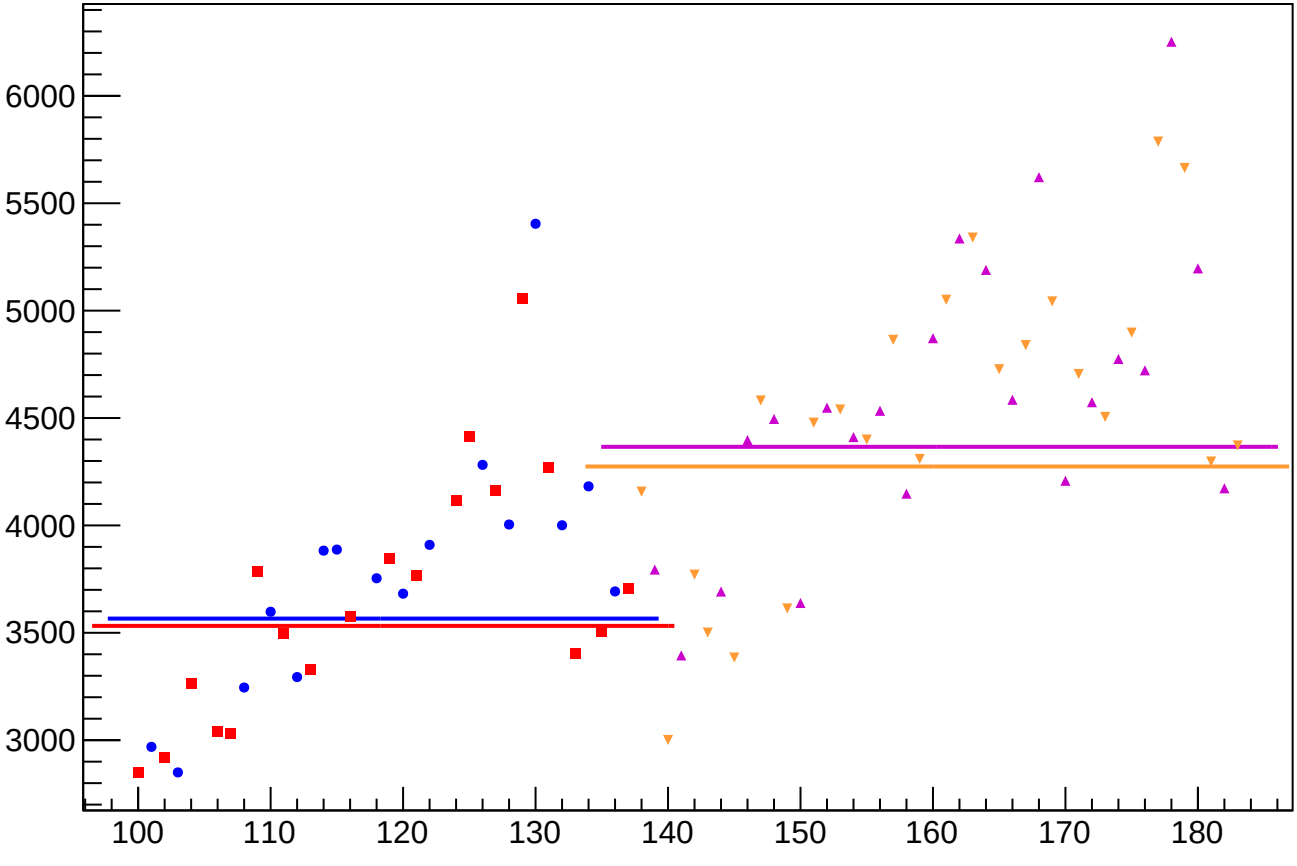
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 1.263+/-0.824 χ^2/NDF:49.5/37

Out: -0.176+/-0.791 χ^2/NDF:40.6/42

All: 0.514+/-0.571 χ^2/NDF: 91.7/80

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4274.228+/-0.704 χ^2/NDF:1029482.0/23

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: 4318.016+/-0.509 χ^2/NDF: 1771642.7/45

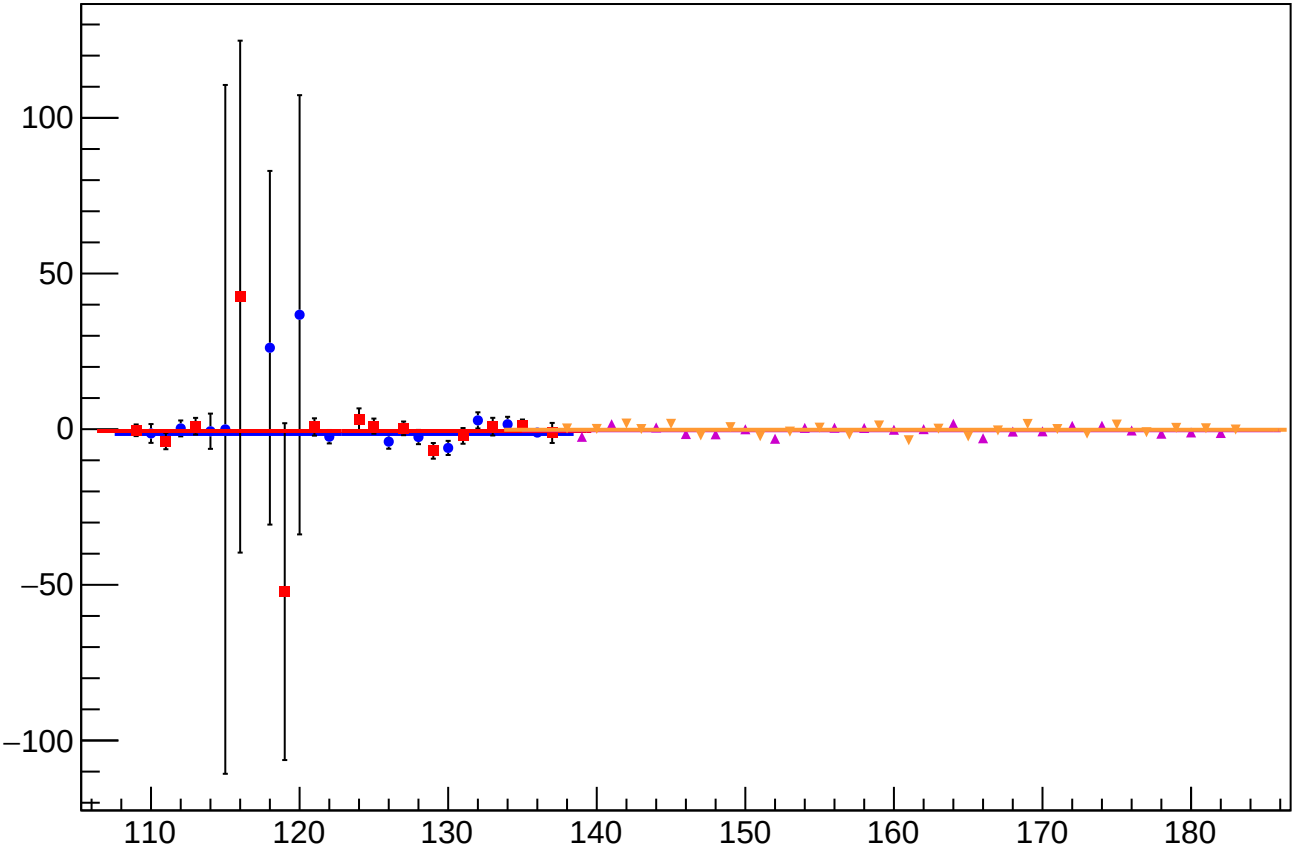
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 4066.120+/-0.582 χ^2/NDF:1517052.1/37

Out: 4000.992+/-0.560 χ^2/NDF:1717221.0/42

All: 4032.253+/-0.404 χ^2/NDF: 3240774.7/80

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.188+/-0.236 χ^2/NDF:33.6/23

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: -0.266+/-0.170 χ^2/NDF: 62.9/45

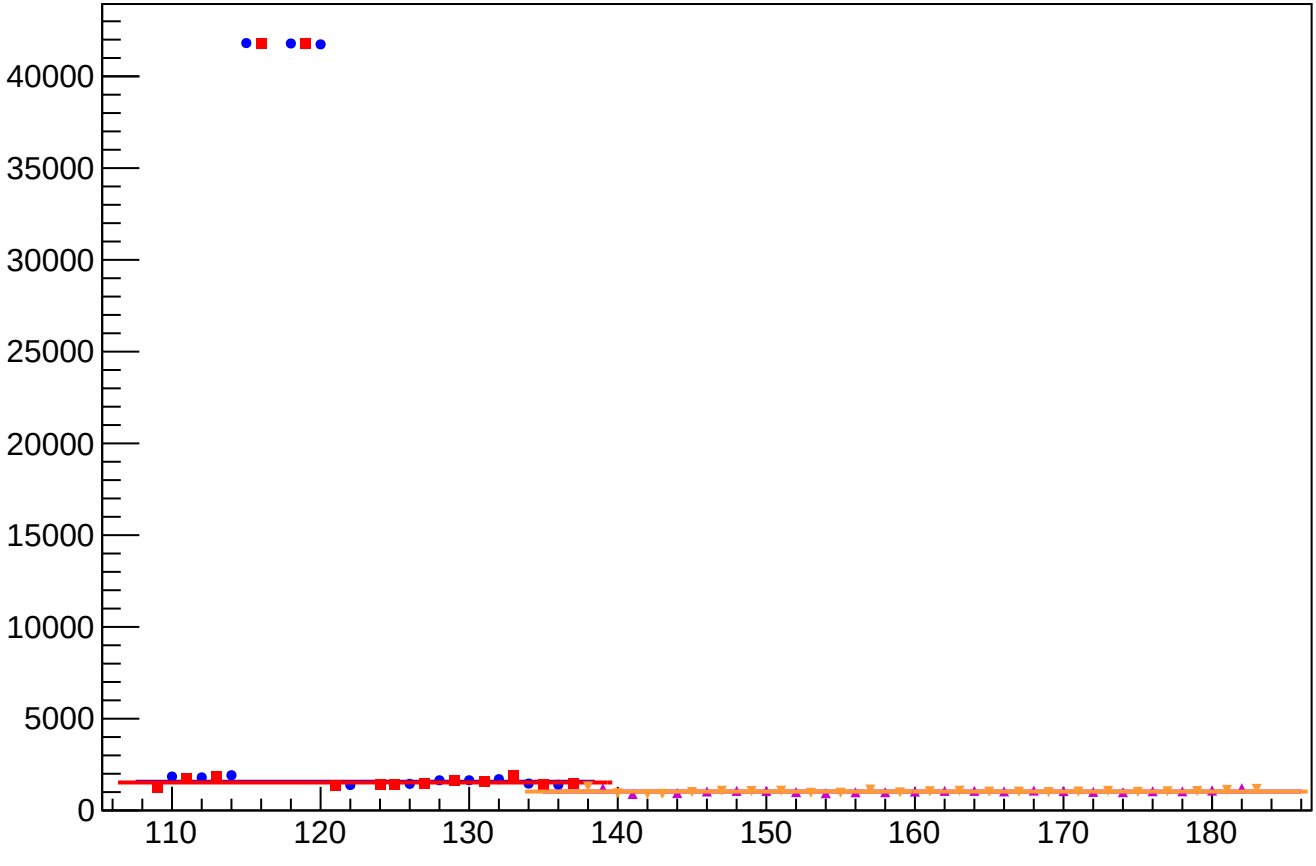
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.467+/-0.231 χ^2/NDF:42.5/34

Out: -0.228+/-0.225 χ^2/NDF:46.6/37

All: -0.344+/-0.161 χ^2/NDF: 89.6/72

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1029.112+/-0.167 χ^2/NDF:220169.8/23

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1030.265+/-0.172 χ^2/NDF:168988.1/21

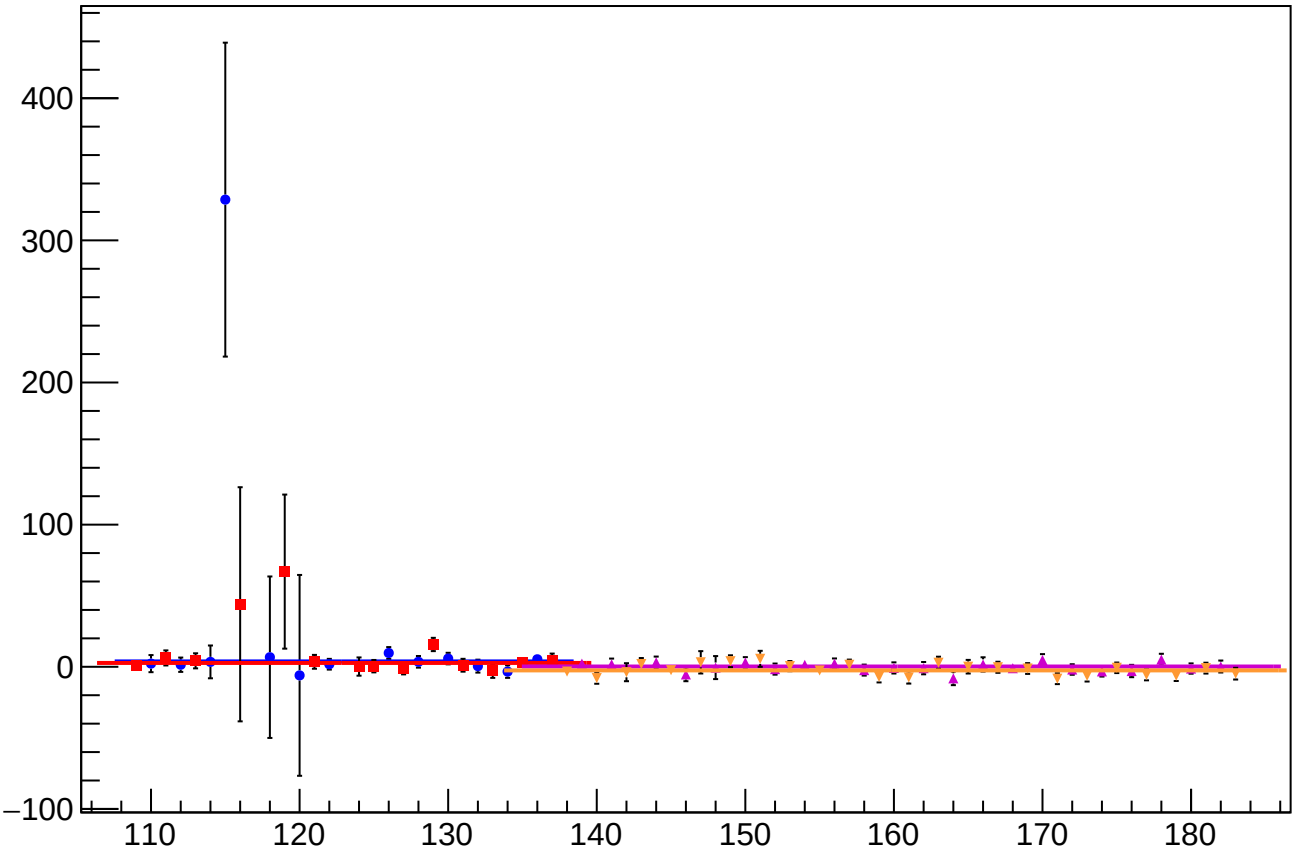
Left: 1029.672+/-0.120 χ^2/NDF: 389181.0/45

Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1083.388+/-0.163 χ^2/NDF:3142751.5/34

Out: 1077.624+/-0.159 χ^2/NDF:2817825.5/37

All: 1080.424+/-0.114 χ^2/NDF: 5961216.7/72



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.534+/-0.786 χ^2/NDF:20.7/23

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: -1.218+/-0.566 χ^2/NDF: 39.1/45

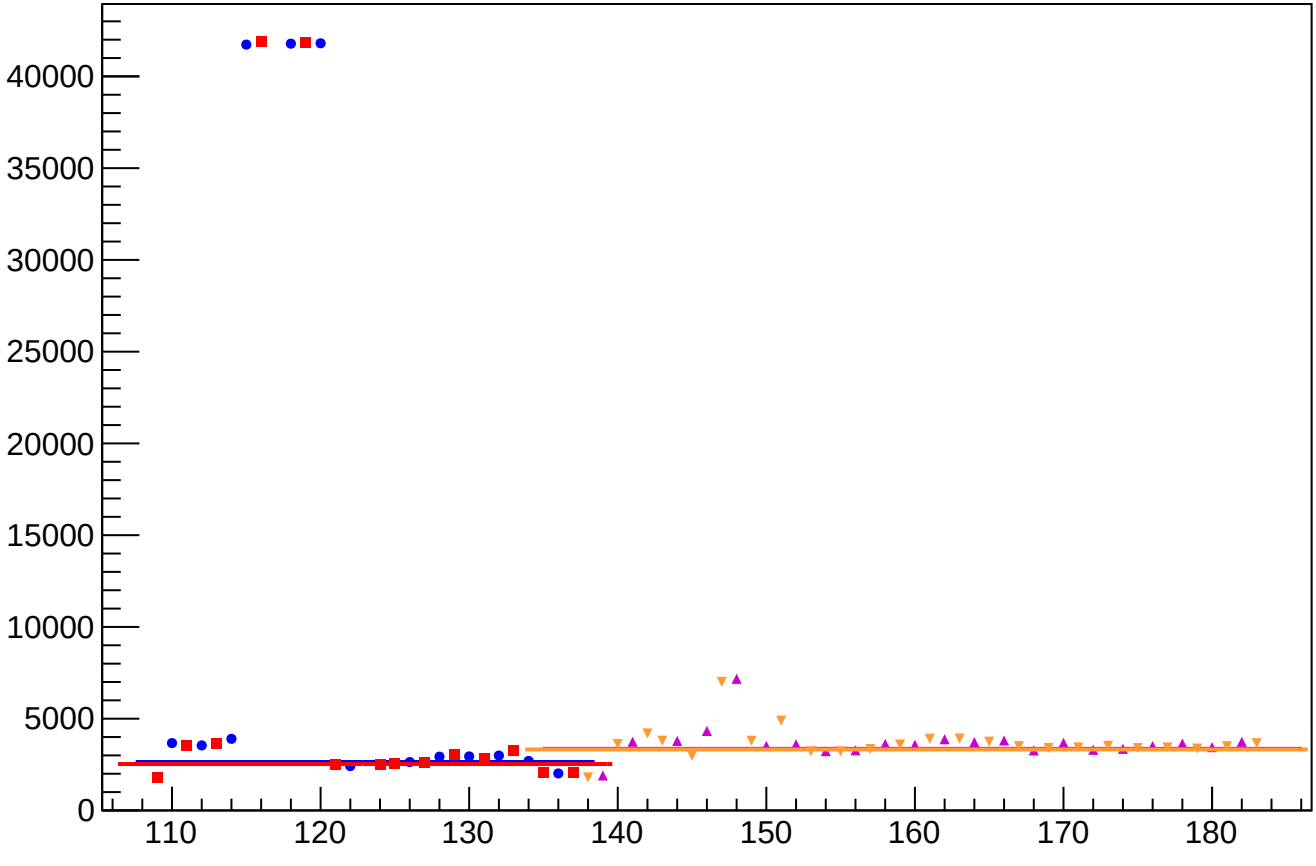
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.268+/-0.683 χ^2/NDF:33.5/34

Out: -0.979+/-0.659 χ^2/NDF:47.5/37

All: 0.105+/-0.474 χ^2/NDF: 86.6/72

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3322.439+/-0.556 χ^2/NDF:1905238.5/23

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3356.023+/-0.577 χ^2/NDF:1644587.9/21

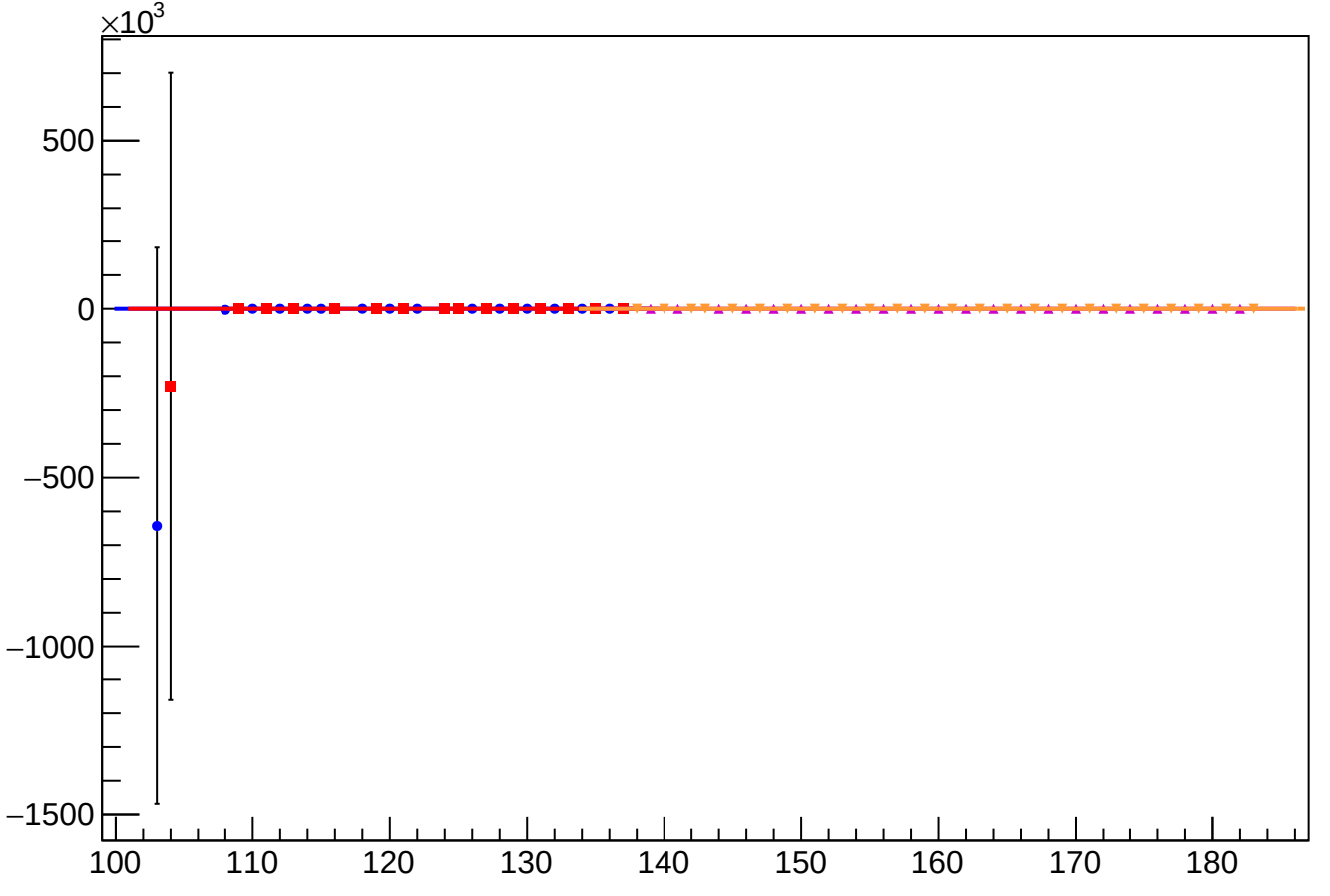
Left: 3338.619+/-0.400 χ^2/NDF: 3551584.3/45

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3141.849+/-0.483 χ^2/NDF:4279252.0/34

Out: 3087.137+/-0.466 χ^2/NDF:4459151.0/37

All: 3113.545+/-0.335 χ^2/NDF: 8745048.0/72



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.604+/-0.365 χ^2/NDF:49.7/23

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: -0.814+/-0.262 χ^2/NDF: 85.7/45

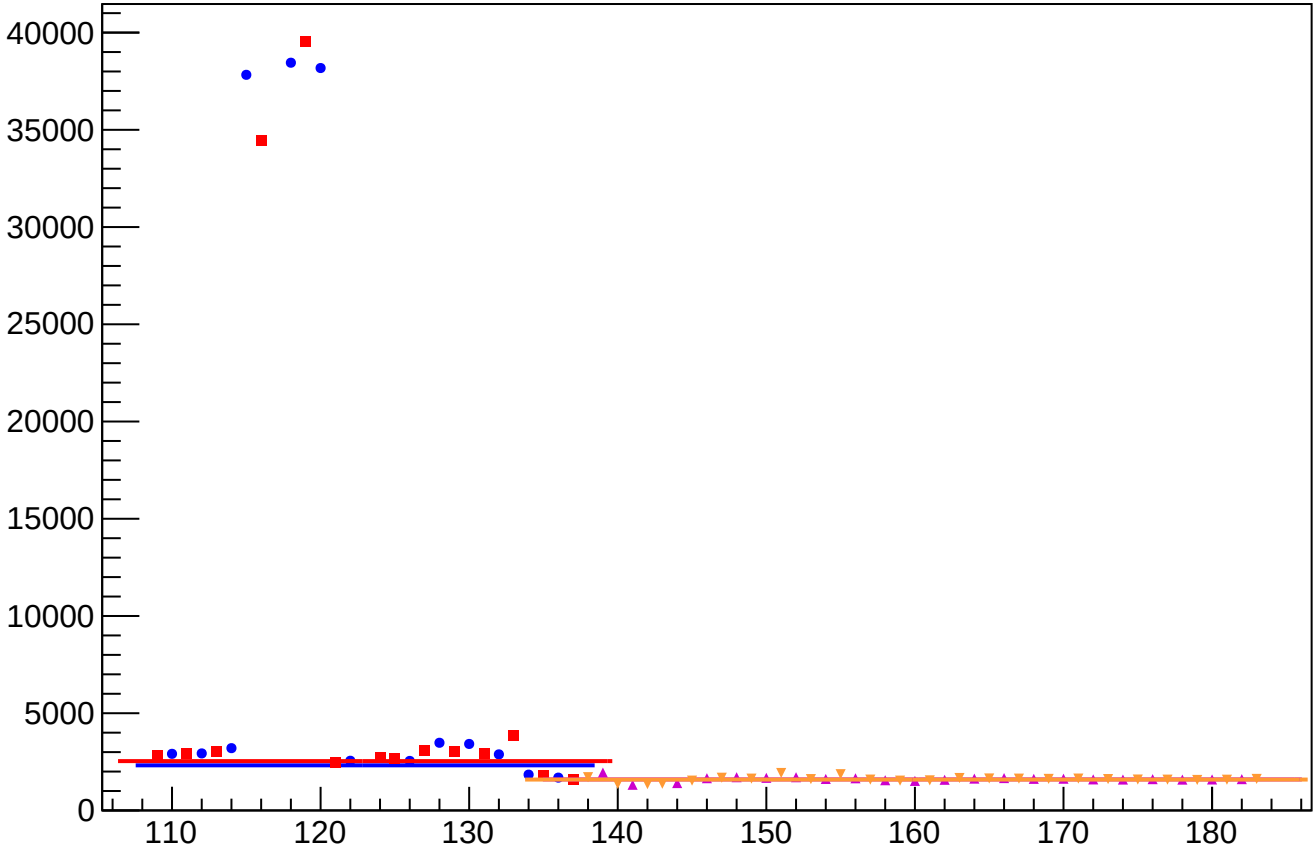
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.096+/-0.358 χ^2/NDF:46.2/36

Out: -1.248+/-0.350 χ^2/NDF:75.5/38

All: -0.685+/-0.250 χ^2/NDF: 127.0/75

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1588.525+/-0.258 χ^2/NDF:231383.6/23

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1595.469+/-0.267 χ^2/NDF:196374.4/21

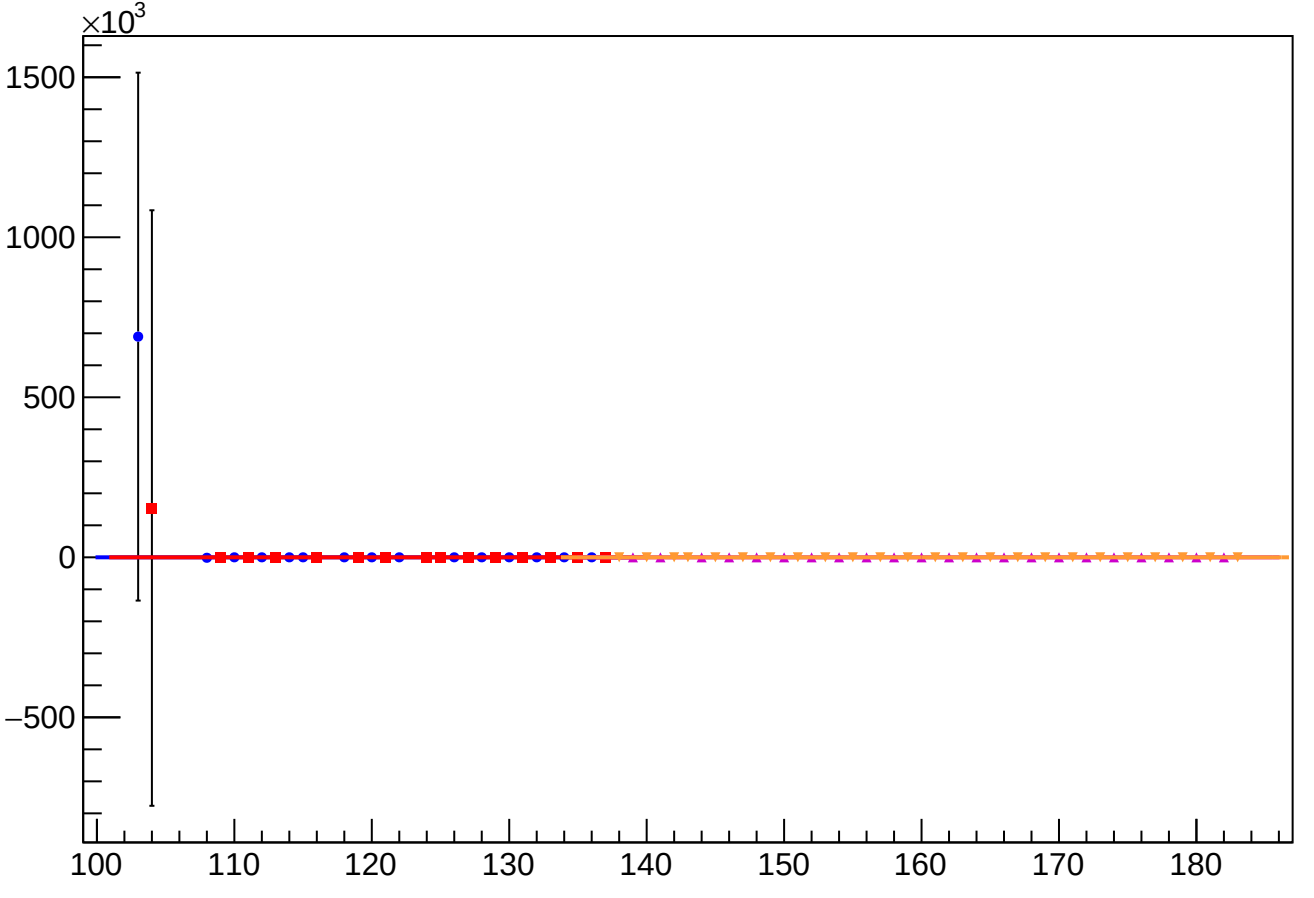
Left: 1591.882+/-0.186 χ^2/NDF: 428107.6/45

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1668.763+/-0.253 χ^2/NDF:3404053.0/34

Out: 1667.608+/-0.247 χ^2/NDF:3395380.7/37

All: 1668.172+/-0.177 χ^2/NDF: 6799444.4/72



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.261+/-0.506 χ^2/NDF:22.3/23

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: -0.671+/-0.357 χ^2/NDF: 41.4/45

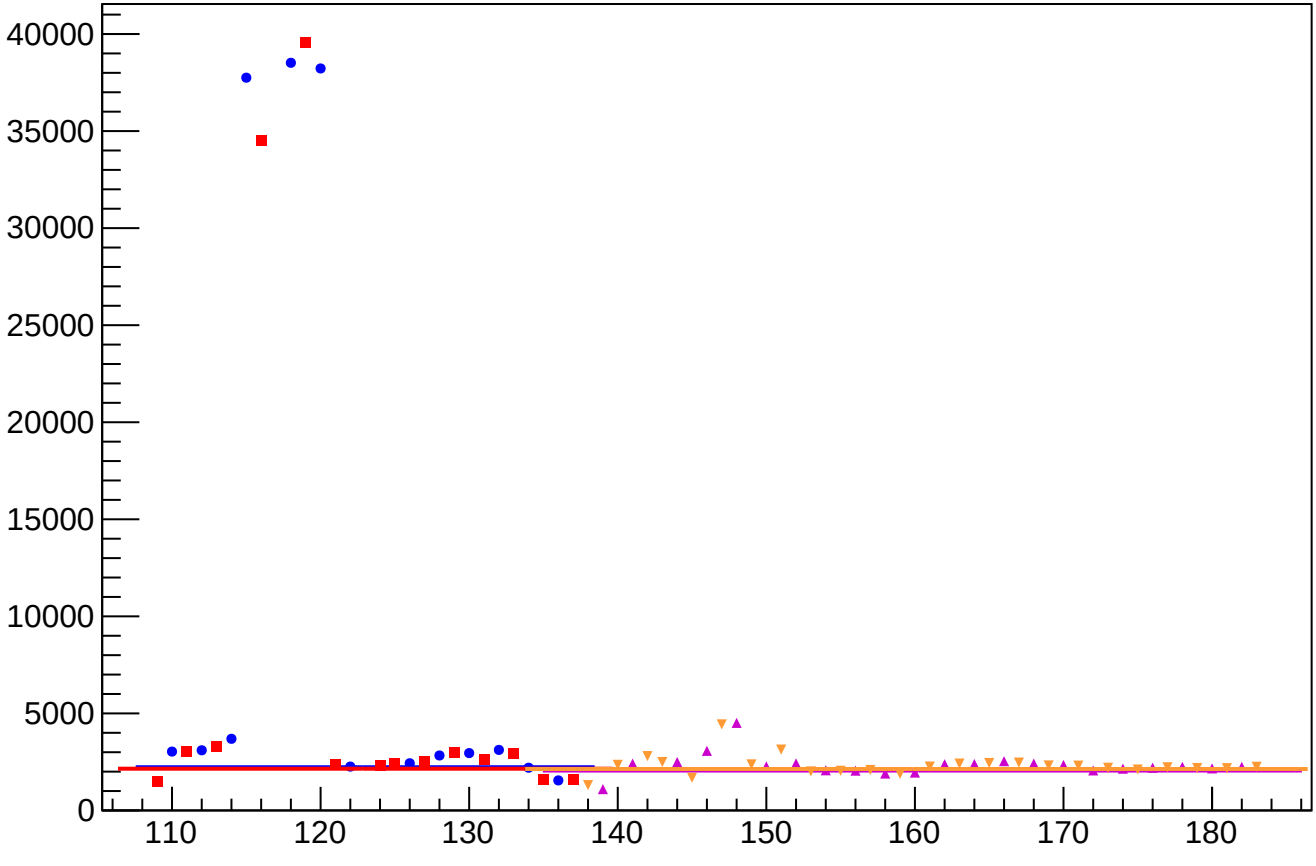
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.240+/-0.457 χ^2/NDF:23.7/36

Out: -0.669+/-0.456 χ^2/NDF:44.9/38

All: -0.216+/-0.323 χ^2/NDF: 70.6/75

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2137.120+/-0.357 χ^2/NDF:1477099.6/23

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2055.693+/-0.357 χ^2/NDF:2290276.3/21

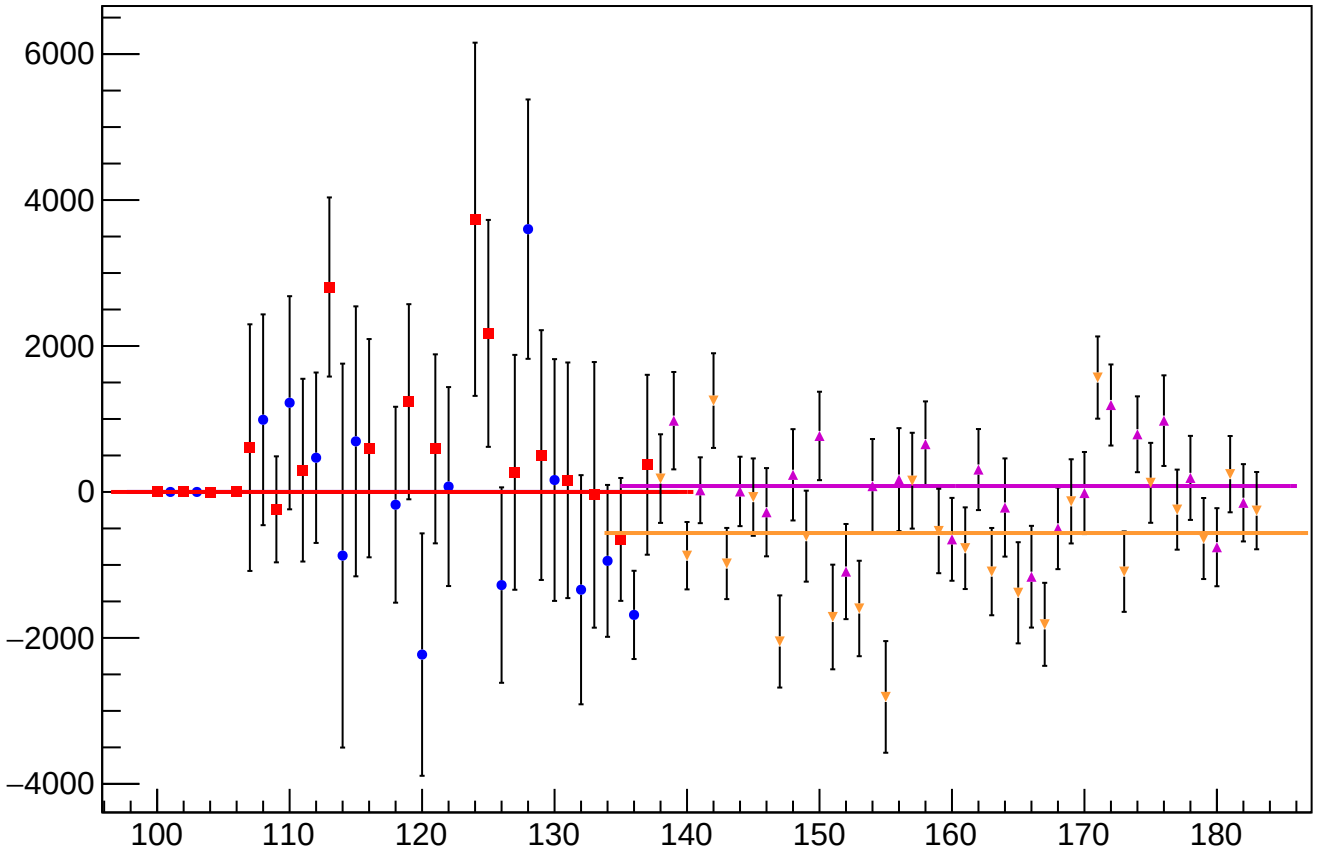
Left: 2096.366+/-0.253 χ^2/NDF: 3793343.2/45

Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2086.593+/-0.323 χ^2/NDF:4854053.0/34

Out: 2139.696+/-0.322 χ^2/NDF:3708698.1/37

All: 2113.236+/-0.228 χ^2/NDF: 8576286.5/72



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -562.654+/-118.129 χ^2/NDF:59.4/23

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 81.367+/-123.220 χ^2/NDF:24.7/21

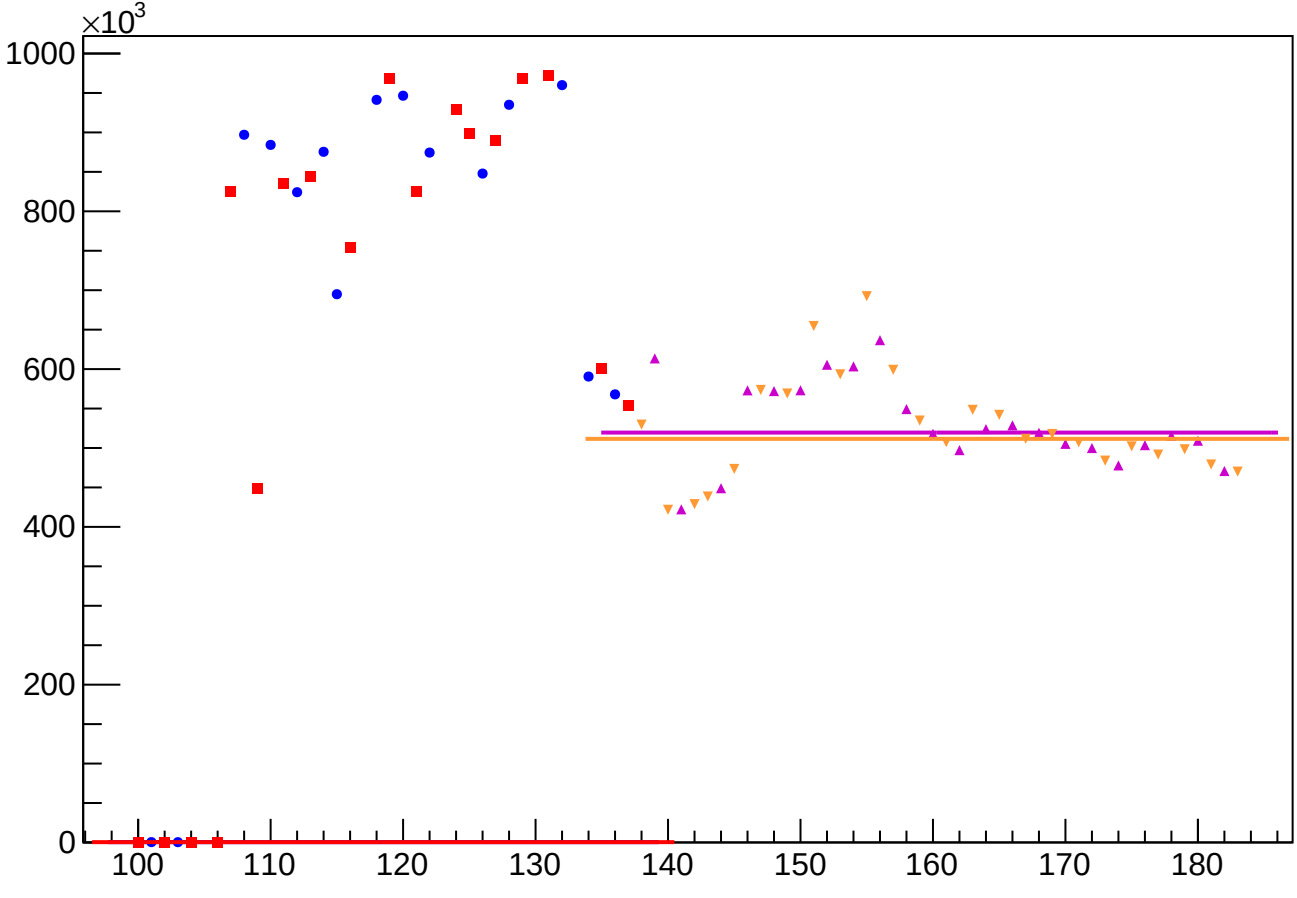
Left: -254.225+/-85.273 χ^2/NDF: 98.3/45

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:97.5/42

All: 0.063+/-0.241 χ^2/NDF: 140.9/80



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 511579.921+/-83.529 χ^2/NDF:504454.7/23

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: 515388.125+/-60.297 χ^2/NDF: 899276.3/45

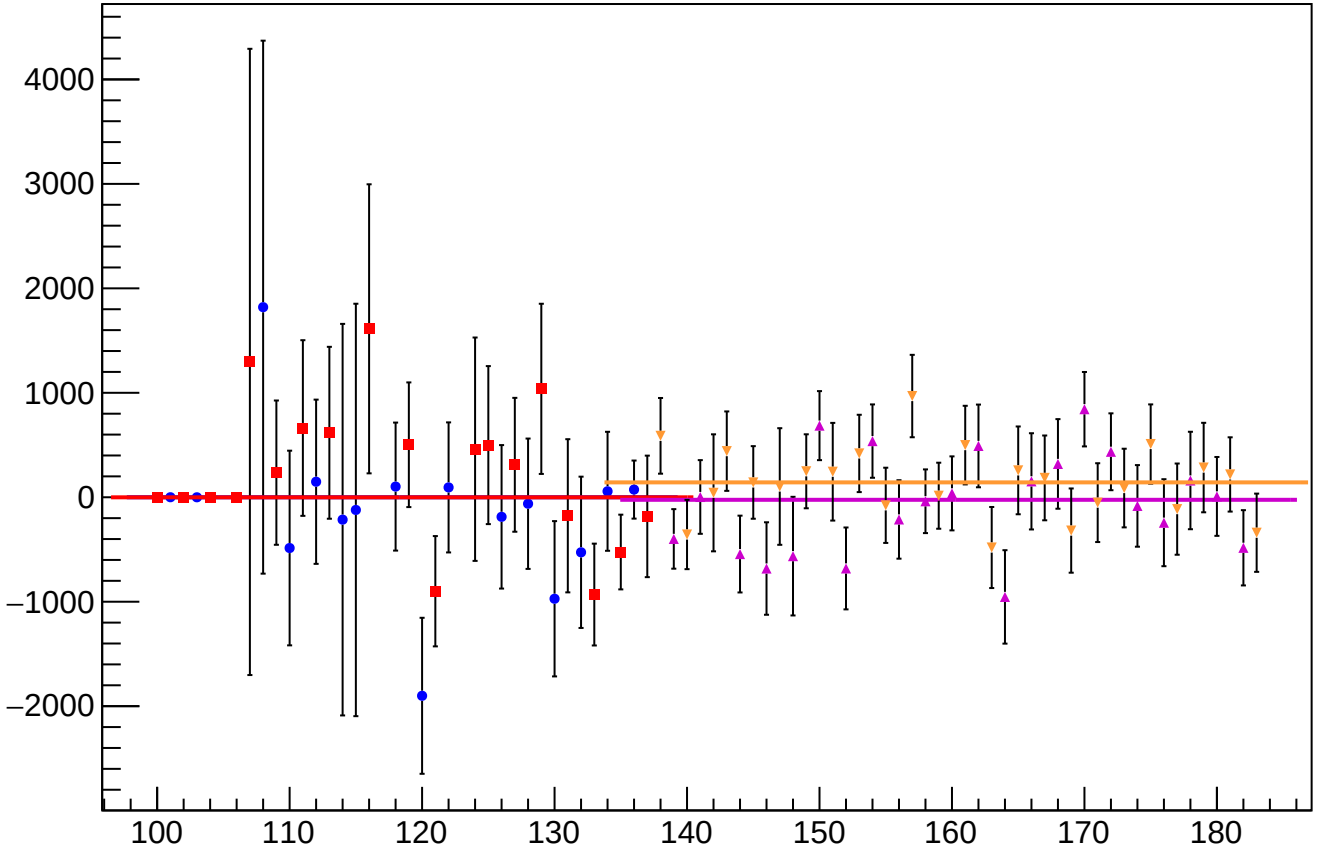
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 403.206+/-0.251 χ^2/NDF:44381600.8/36

Out: 397.176+/-0.232 χ^2/NDF:45605131.9/41

All: 399.945+/-0.170 χ^2/NDF: 89987043.6/78

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 142.459+/-78.897 χ^2/NDF:18.3/23

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -24.347+/-80.588 χ^2/NDF:33.5/21

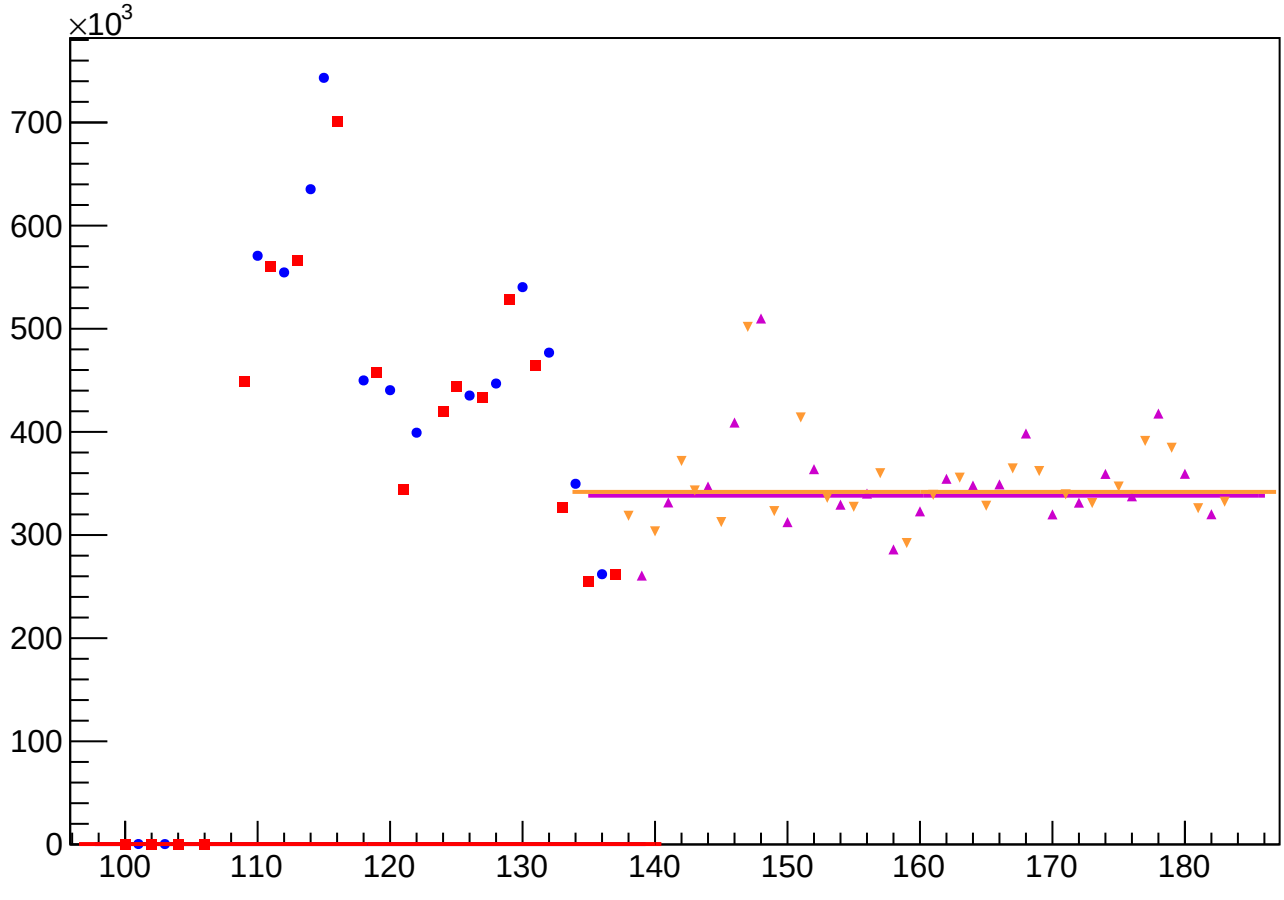
Left: 60.825+/-56.377 χ^2/NDF: 54.0/45

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:36.6/42

All: -0.329+/-0.237 χ^2/NDF: 82.1/80



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 341824.265+/-55.788 χ^2/NDF:398318.6/23

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 338169.096+/-56.987 χ^2/NDF:594087.6/21

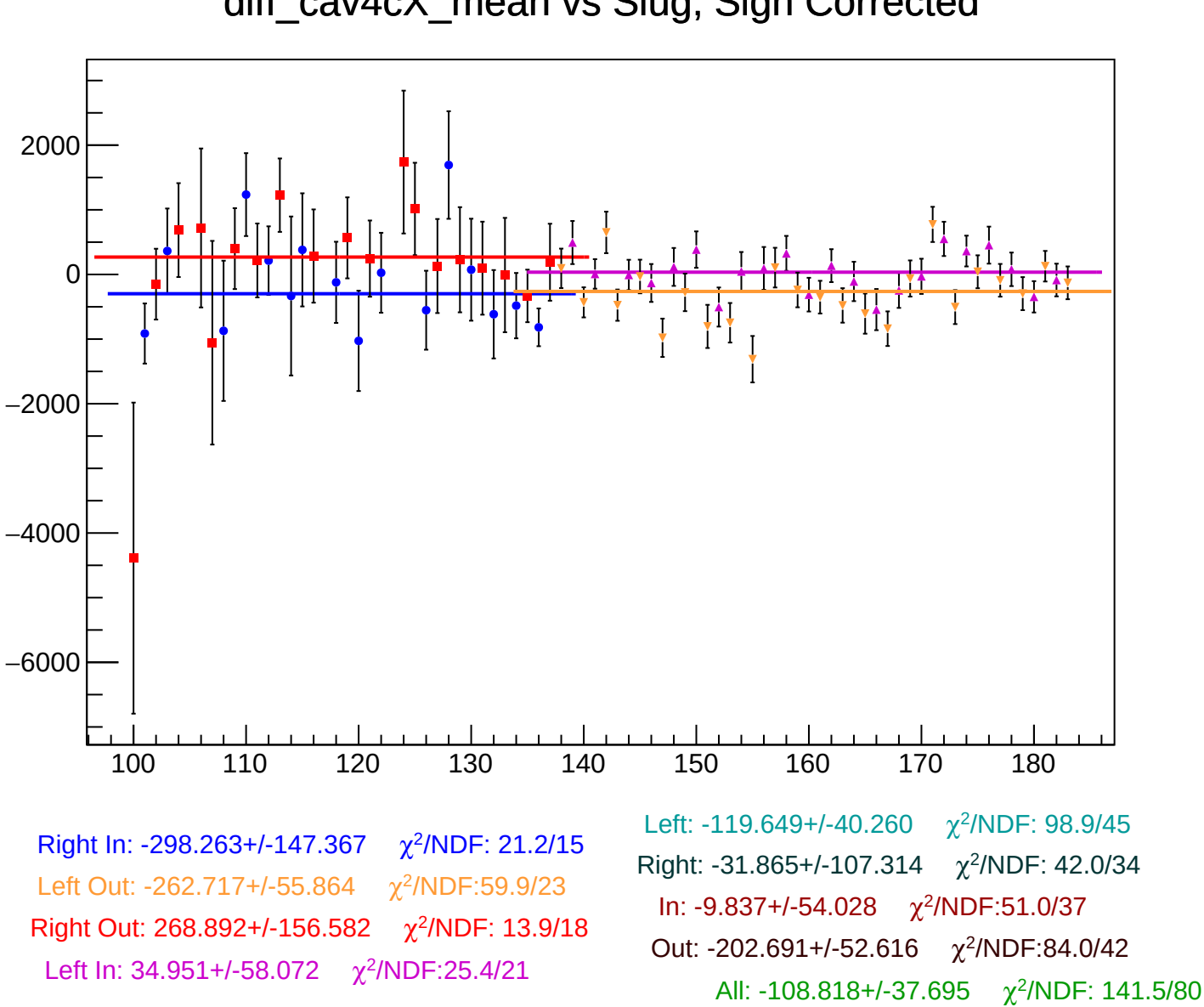
Left: 340035.534+/-39.865 χ^2/NDF: 994506.9/45

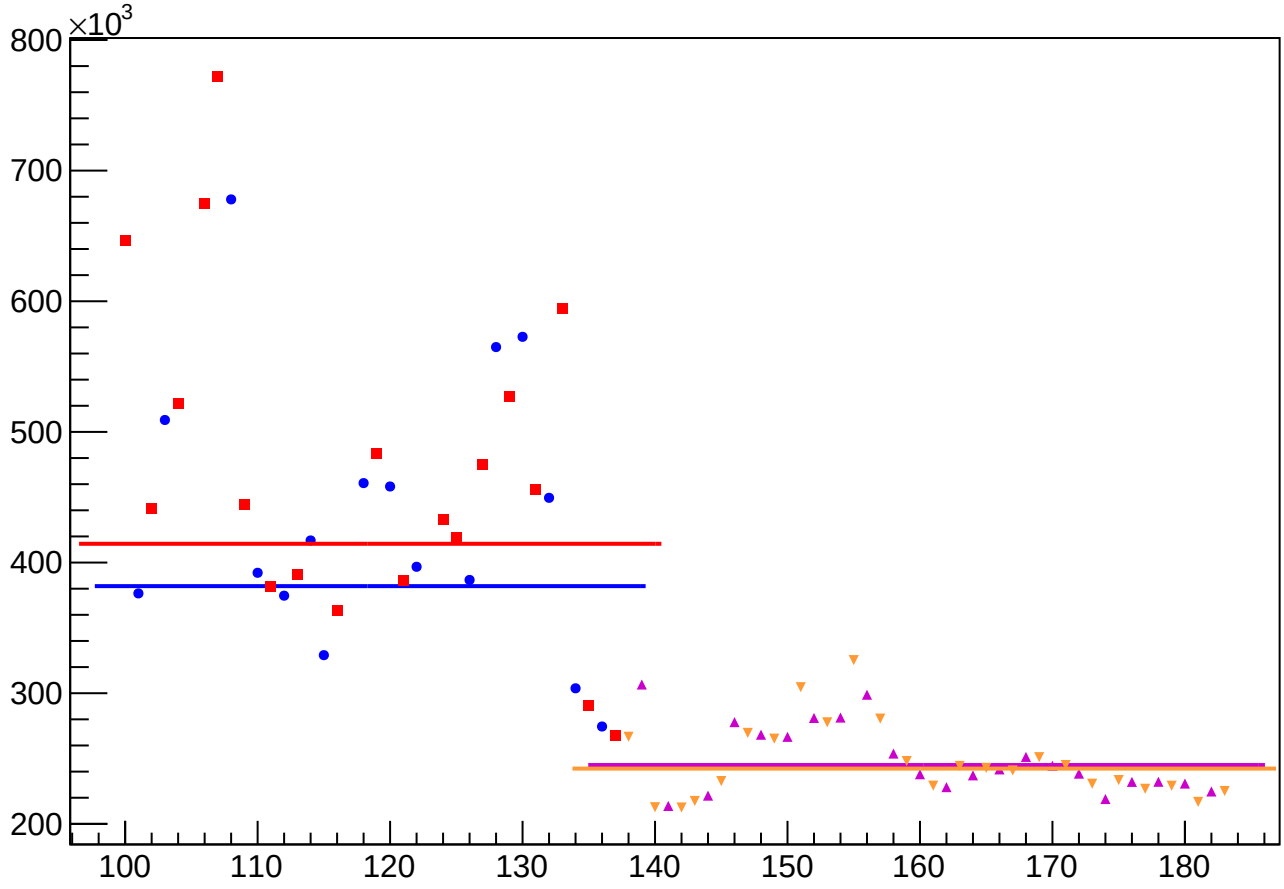
Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 396.542+/-0.245 χ^2/NDF:46858309.0/36

Out: 393.735+/-0.229 χ^2/NDF:48929033.7/41

All: 395.041+/-0.167 χ^2/NDF: 95787412.6/78


diff_cav4cX_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -298.263+/-147.367 χ²/NDF: 21.2/15
Left Out: -262.717+/-55.864 χ²/NDF:59.9/23
Right Out: 268.892+/-156.582 χ²/NDF: 13.9/18
Left In: 34.951+/-58.072 χ²/NDF:25.4/21
Left: -119.649+/-40.260 χ²/NDF: 98.9/45
Right: -31.865+/-107.314 χ²/NDF: 42.0/34
In: -9.837+/-54.028 χ²/NDF:51.0/37
Out: -202.691+/-52.616 χ²/NDF:84.0/42
All: -108.818+/-37.695 χ²/NDF: 141.5/80



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 242312.512+/-39.502 χ^2/NDF:409524.2/23

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 245032.645+/-41.063 χ^2/NDF:354462.6/21

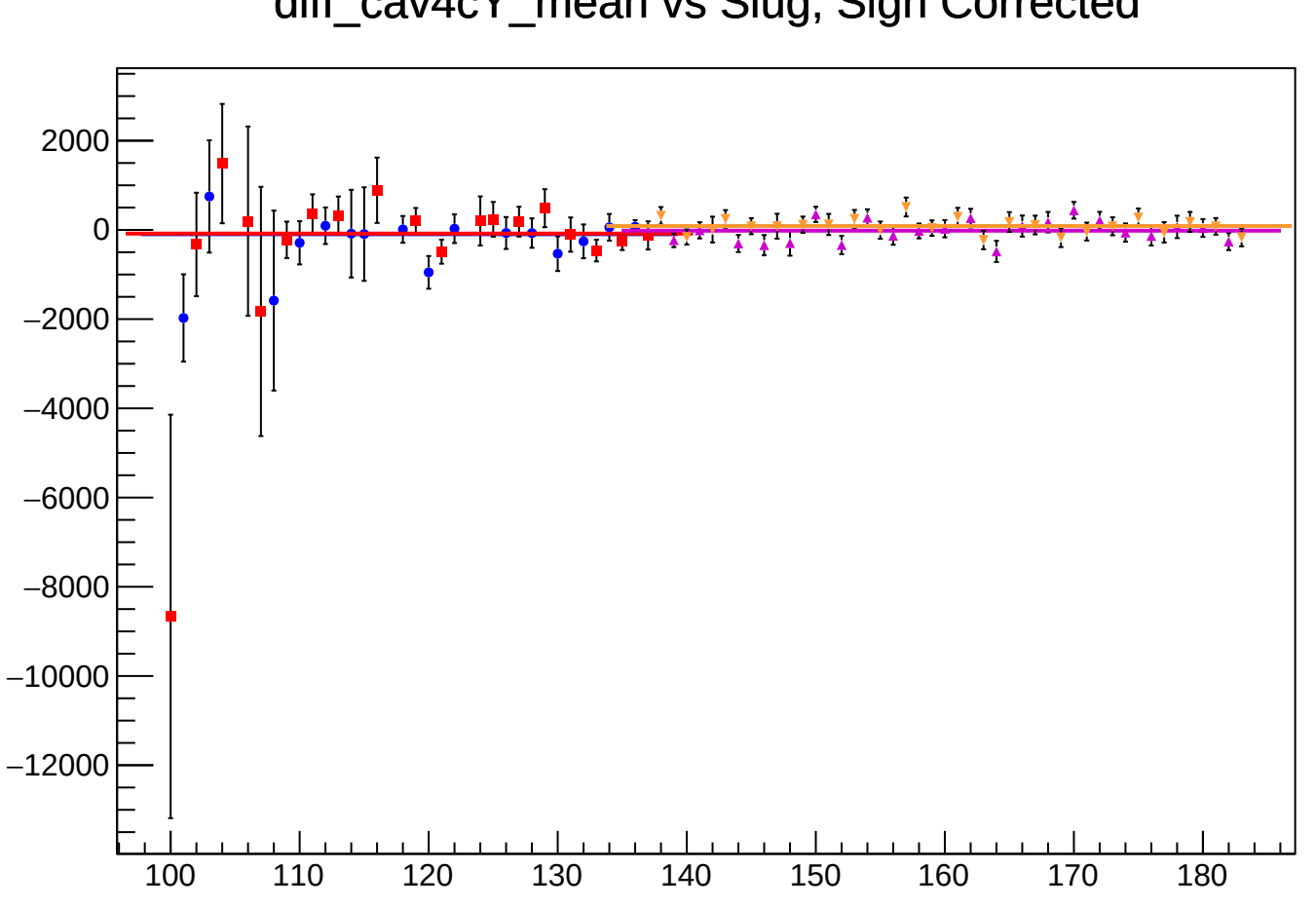
Left: 243619.892+/-28.468 χ^2/NDF: 766265.9/45

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 263431.808+/-38.205 χ^2/NDF:2685029.3/37

Out: 261732.450+/-37.206 χ^2/NDF:3311036.1/42

All: 262559.629+/-26.655 χ^2/NDF: 5997080.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 87.050+/-41.638 χ^2/NDF:17.7/23

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -17.494+/-42.664 χ^2/NDF:32.8/21

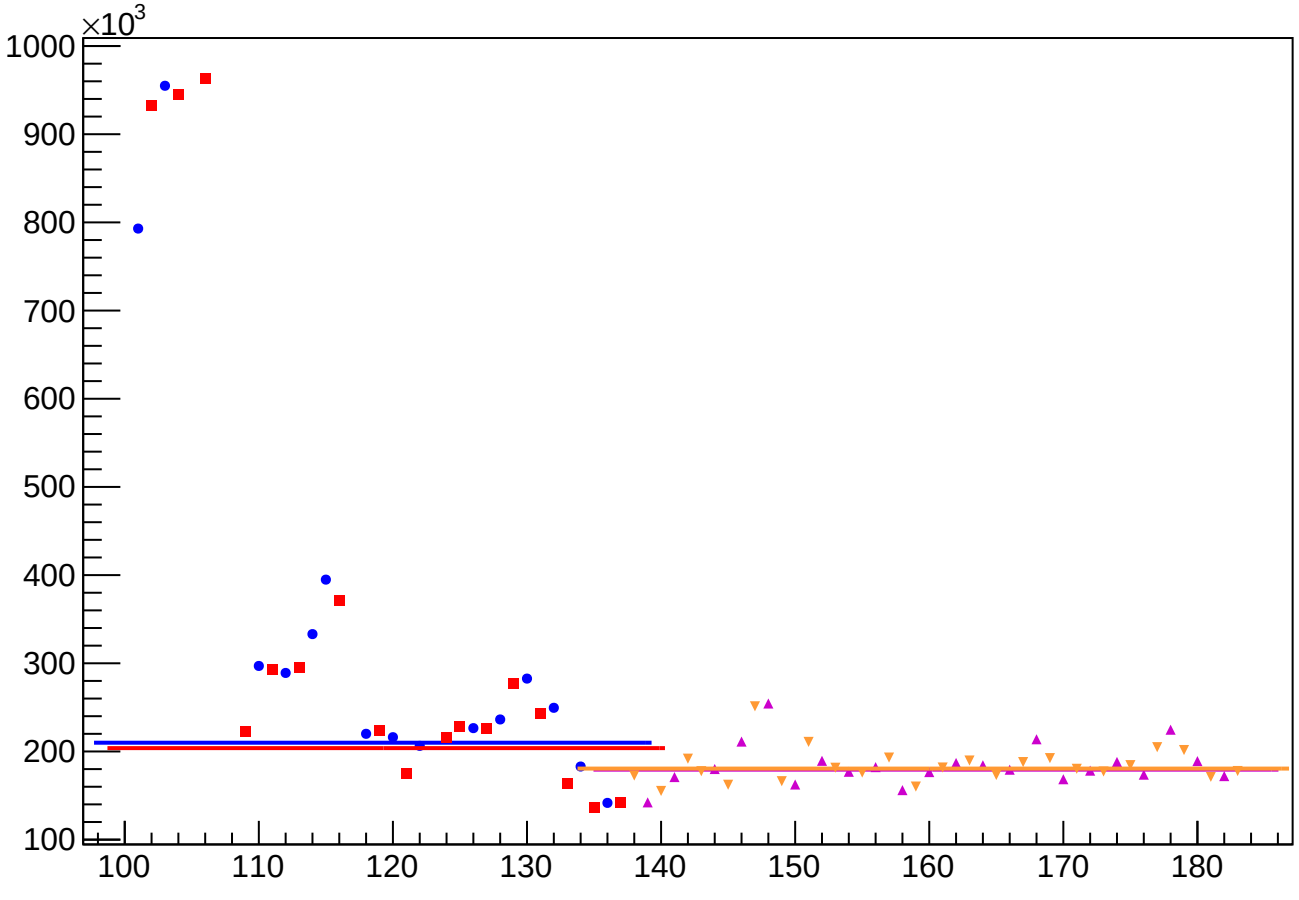
Left: 36.051+/-29.799 χ^2/NDF: 53.6/45

Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -32.333+/-38.412 χ^2/NDF:47.2/37

Out: 55.592+/-37.583 χ^2/NDF:39.9/42

All: 12.588+/-26.864 χ^2/NDF: 89.7/80



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 180585.749+/-29.442 χ^2/NDF:342377.2/23

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 179365.047+/-30.168 χ^2/NDF:495048.0/21

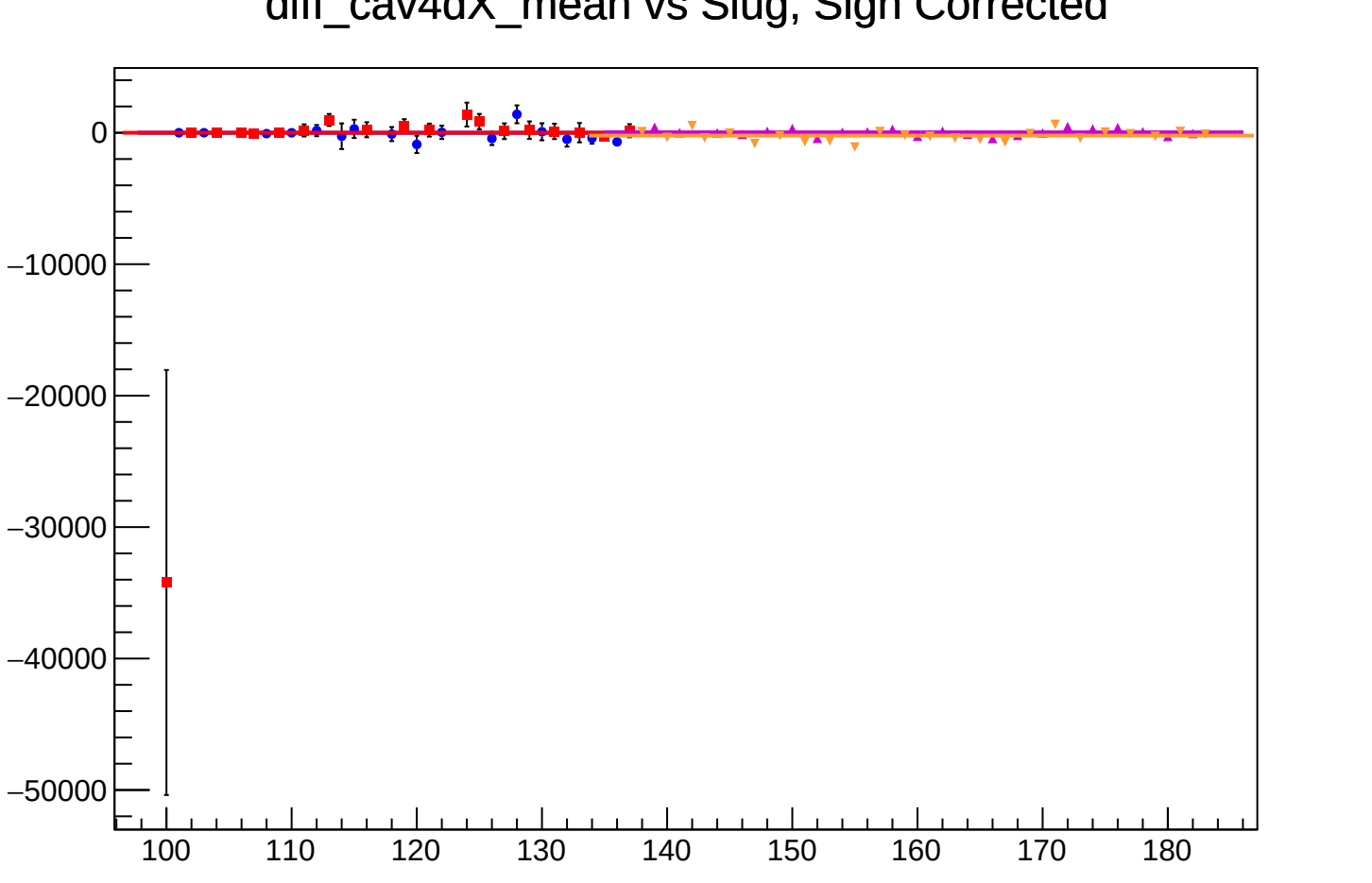
Left: 179990.257+/-21.071 χ^2/NDF: 838263.8/45

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 185137.117+/-27.171 χ^2/NDF:2648787.9/36

Out: 184868.093+/-26.588 χ^2/NDF:2527503.5/40

All: 184999.688+/-19.003 χ^2/NDF: 5176341.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -217.646+/-46.675 χ^2/NDF:59.6/23

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: -96.940+/-33.647 χ^2/NDF: 98.9/45

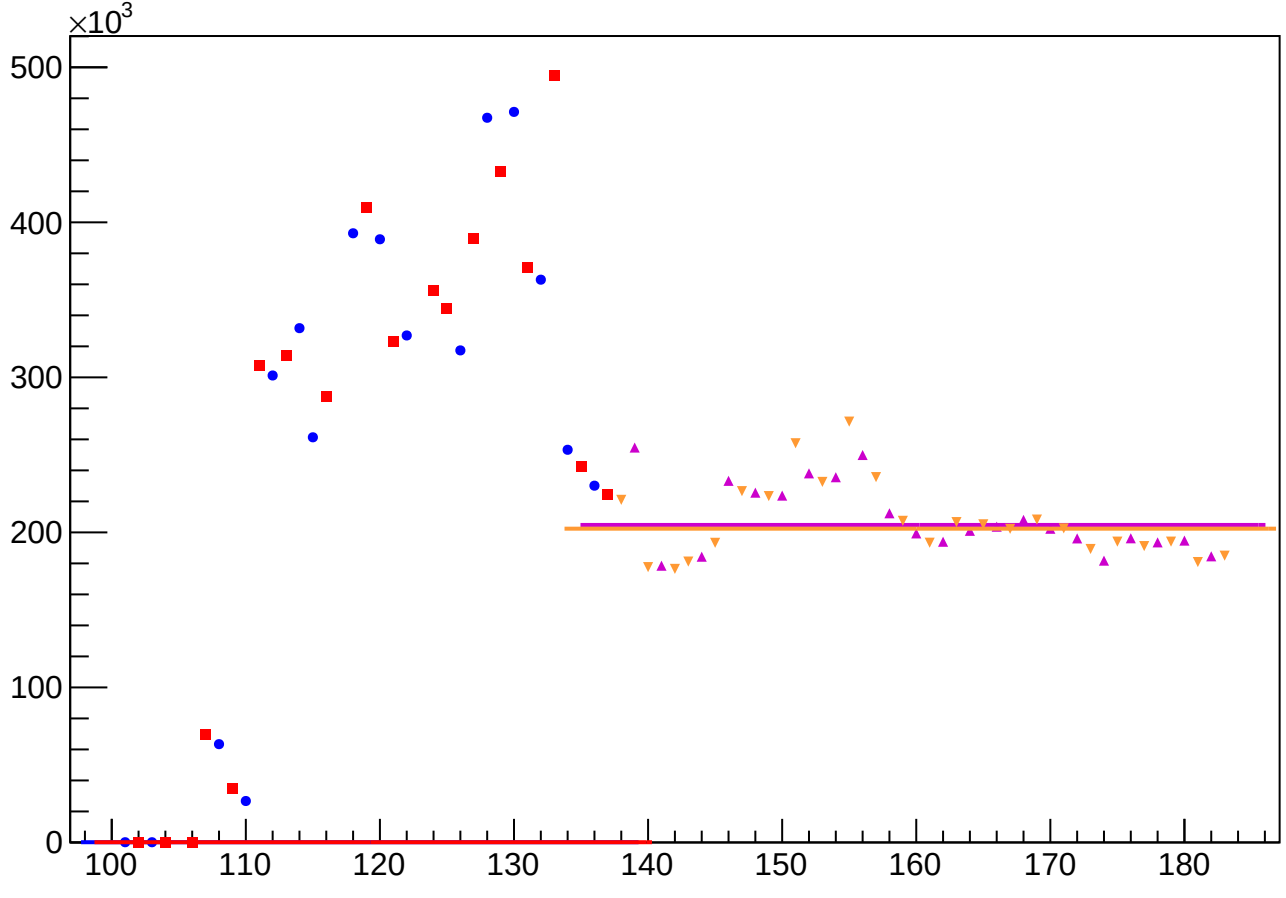
Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:44.0/37

Out: 0.353+/-0.160 χ^2/NDF:97.9/42

All: 0.173+/-0.117 χ^2/NDF: 144.6/80

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 202397.604+/-33.004 χ^2/NDF:428647.4/23

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: 203553.579+/-23.792 χ^2/NDF: 798623.9/45

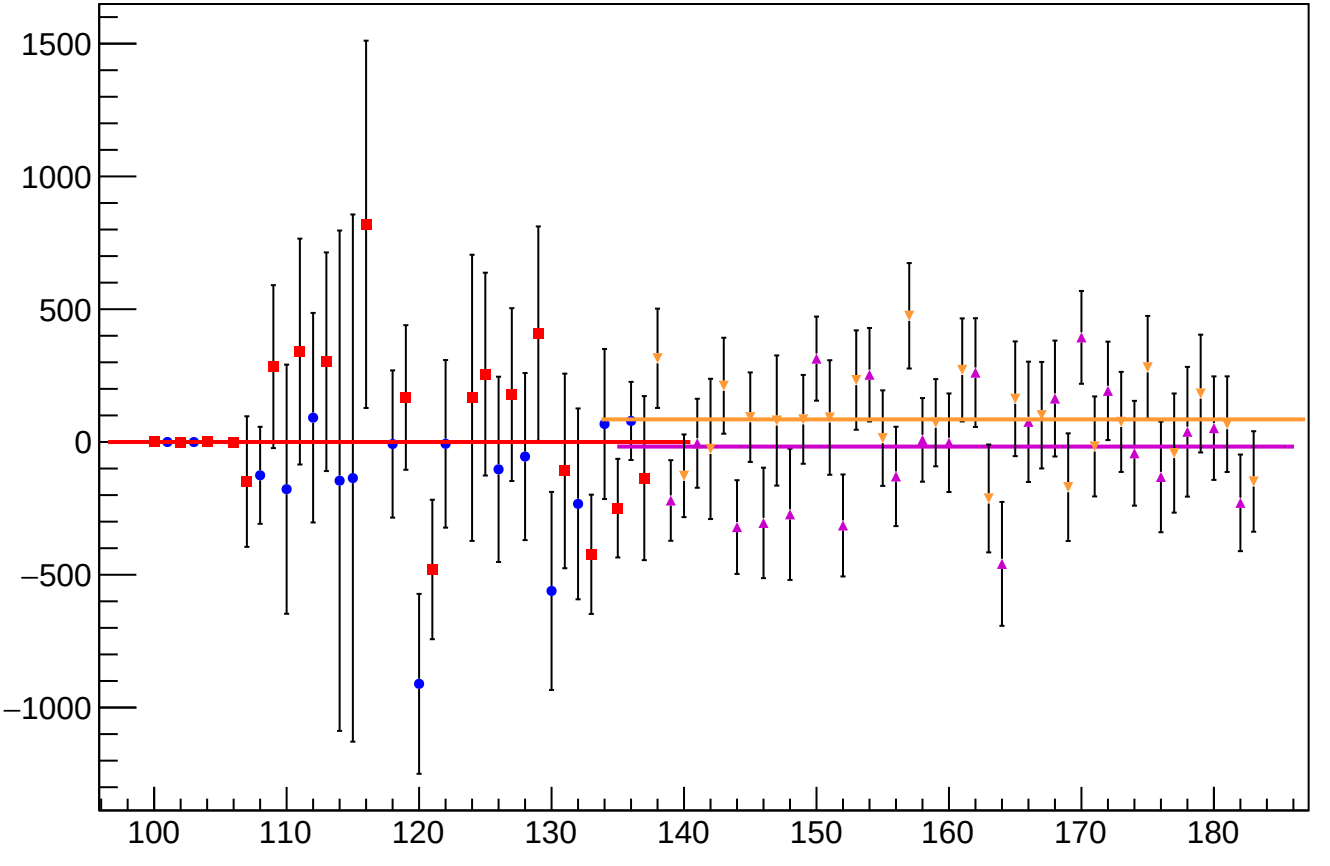
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 151.669+/-0.122 χ^2/NDF:47211593.7/37

Out: 151.759+/-0.113 χ^2/NDF:49268281.2/41

All: 151.717+/-0.083 χ^2/NDF: 96479875.2/79

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 85.098+/-39.245 χ^2/NDF:16.9/23

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -17.354+/-40.343 χ^2/NDF:32.2/21

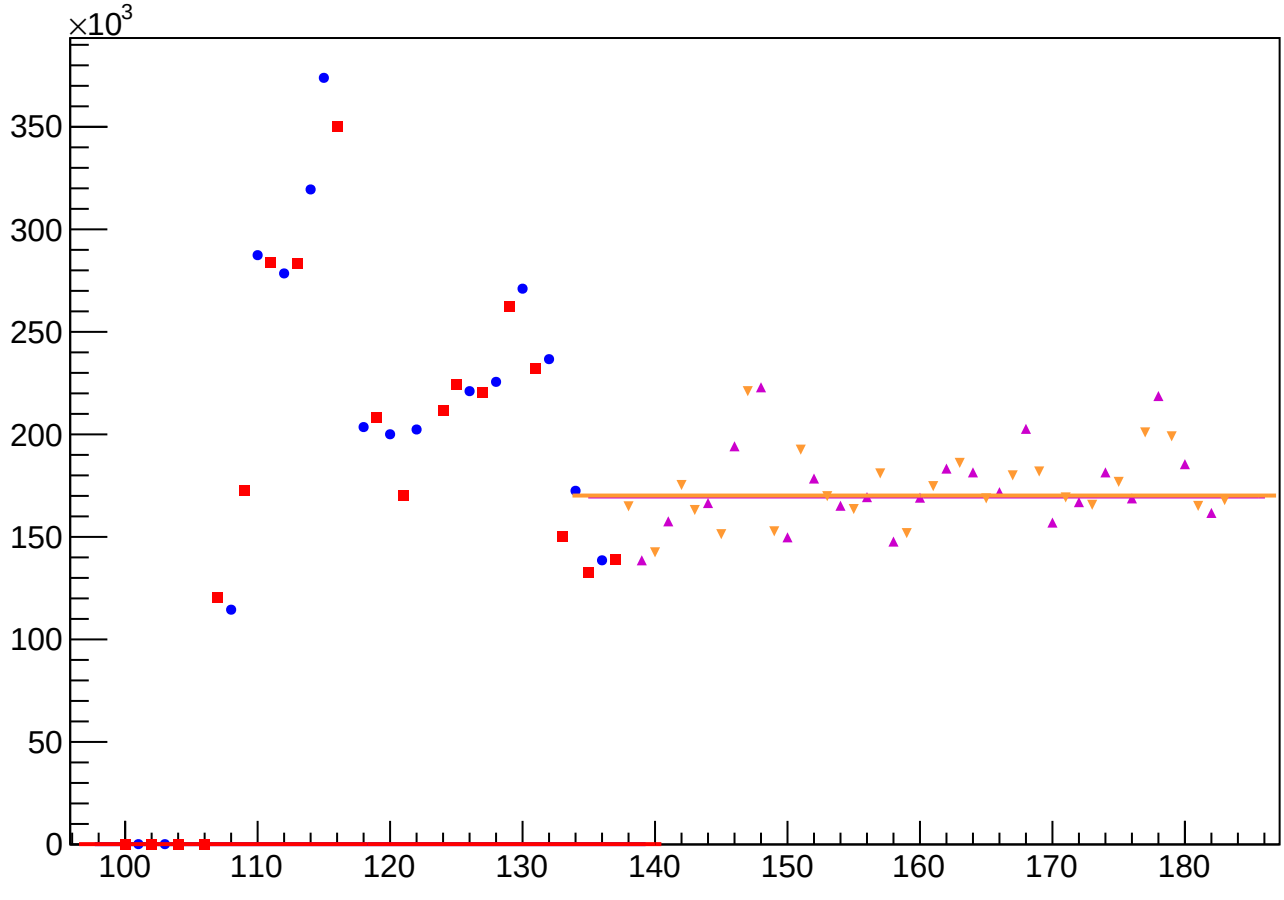
Left: 35.285+/-28.130 χ^2/NDF: 52.4/45

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:36.8/42

All: -0.098+/-0.121 χ^2/NDF: 80.5/80



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 170171.357+/-27.750 χ^2/NDF:358816.4/23

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: 169943.472+/-19.891 χ^2/NDF: 826395.3/45

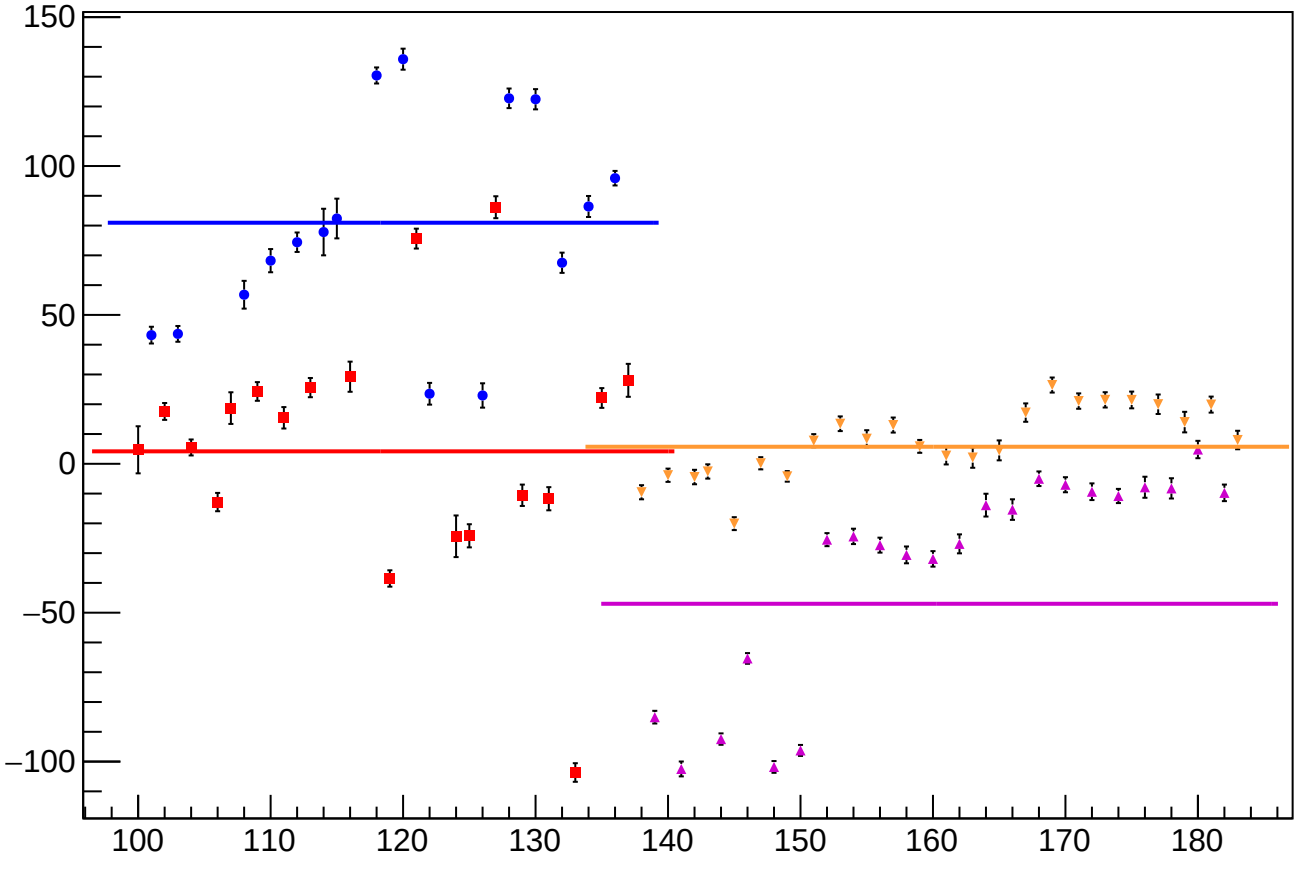
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 156.732+/-0.125 χ^2/NDF:47697765.2/37

Out: 159.217+/-0.118 χ^2/NDF:49224801.0/42

All: 158.052+/-0.086 χ^2/NDF: 96922775.0/80

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 5.728+/-0.517 χ^2/NDF:529.6/23

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: -20.085+/-0.369 χ^2/NDF: 10792.0/45

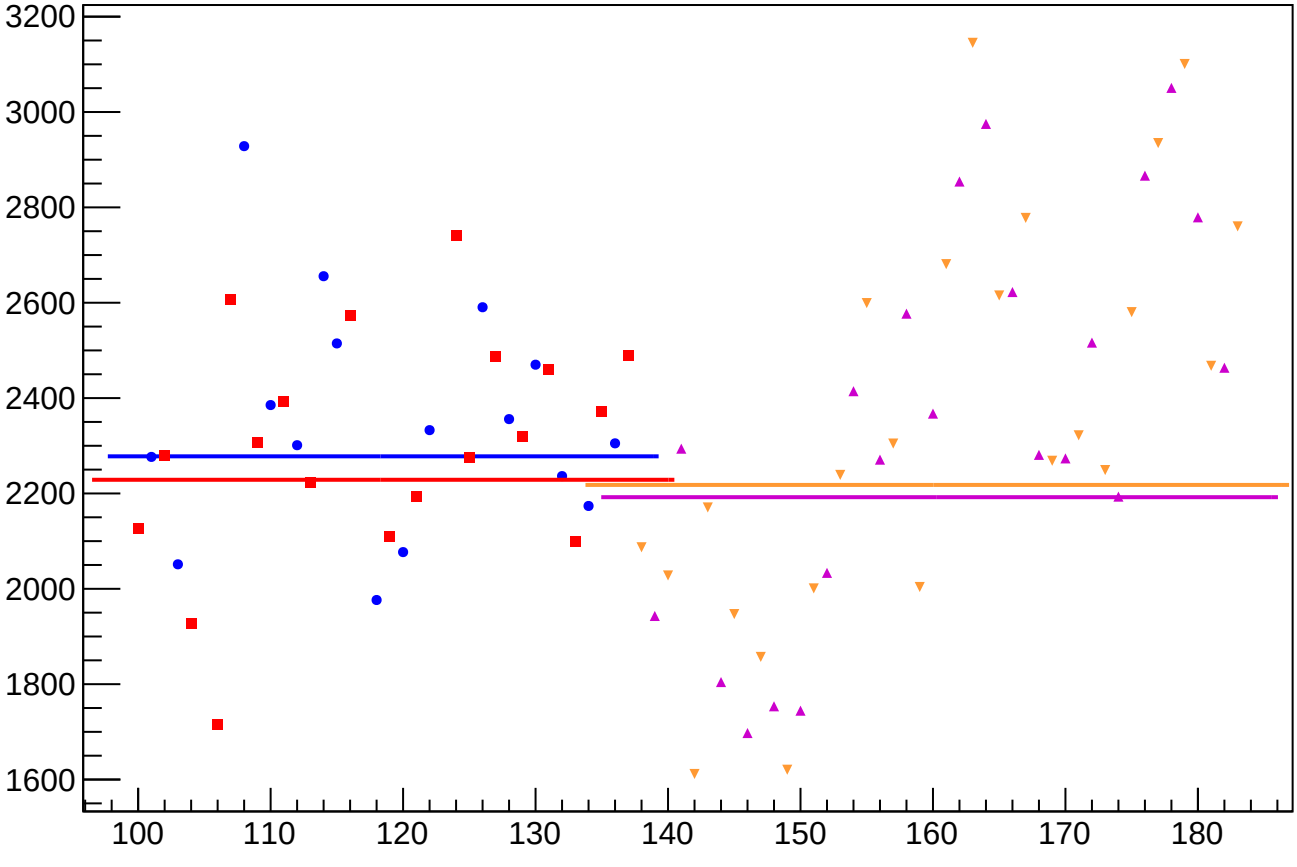
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -11.507+/-0.448 χ^2/NDF:23295.9/37

Out: 5.289+/-0.437 χ^2/NDF:3251.9/42

All: -2.894+/-0.313 χ^2/NDF: 27267.1/80

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2217.895+/-0.365 χ^2/NDF:1172933.6/23

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: 2205.312+/-0.261 χ^2/NDF: 2262921.6/45

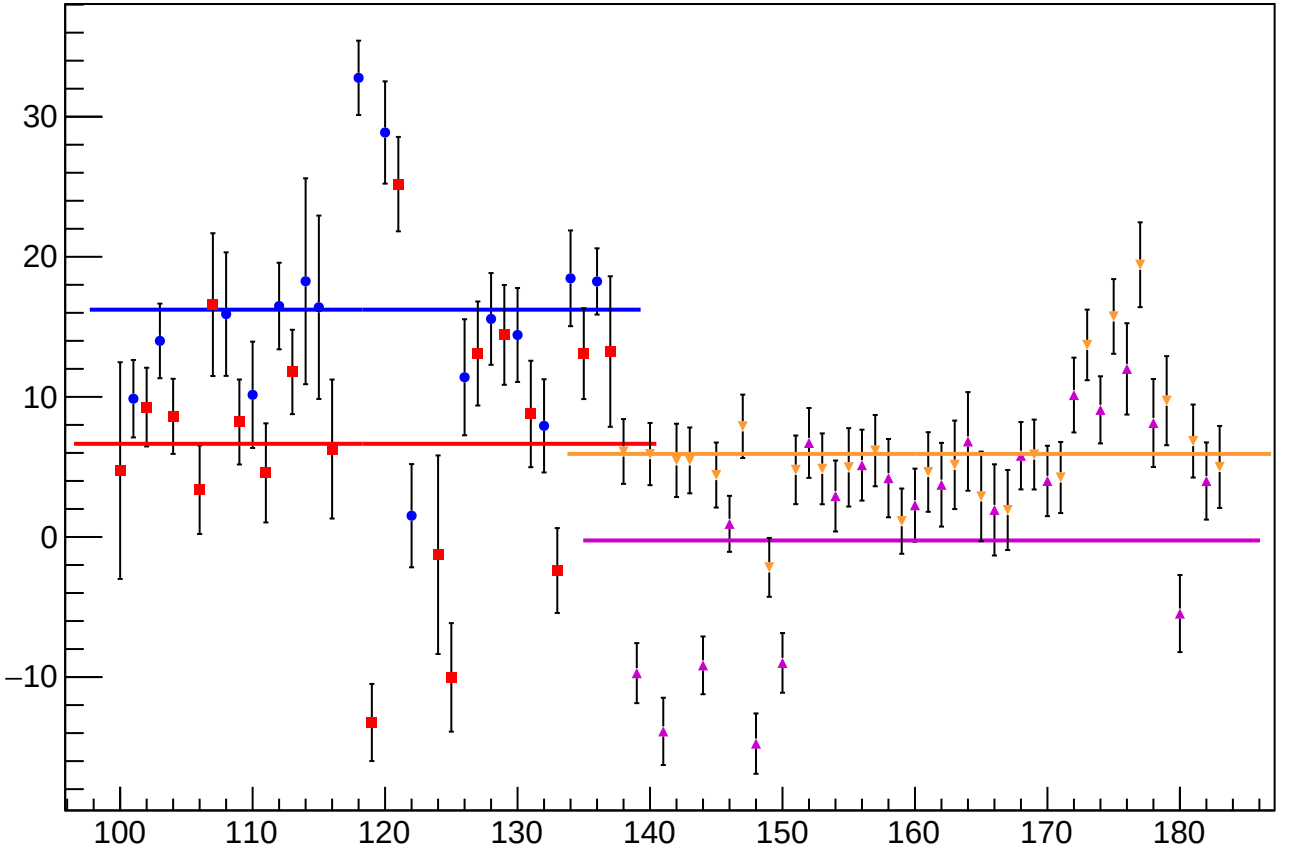
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2215.958+/-0.317 χ^2/NDF:1217968.3/37

Out: 2220.961+/-0.309 χ^2/NDF:1324317.2/42

All: 2218.524+/-0.221 χ^2/NDF: 2542413.1/80

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.931+/-0.524 χ^2/NDF:69.1/23

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: 2.925+/-0.375 χ^2/NDF: 360.0/45

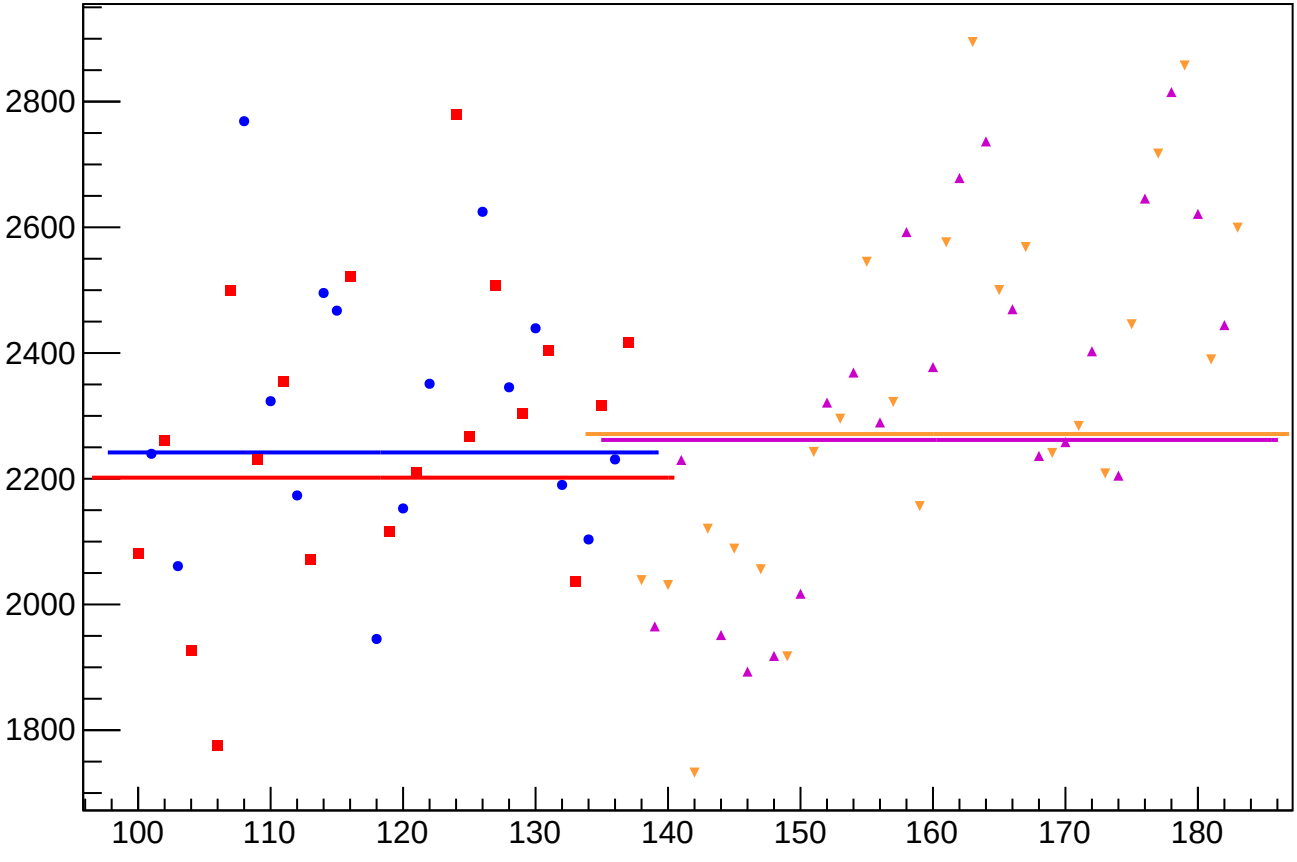
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.566+/-0.453 χ^2/NDF:581.5/37

Out: 6.144+/-0.440 χ^2/NDF:204.2/42

All: 5.378+/-0.315 χ^2/NDF: 792.0/80

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2271.144+/-0.370 χ^2/NDF:532932.1/23

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2261.738+/-0.381 χ^2/NDF:489404.8/21

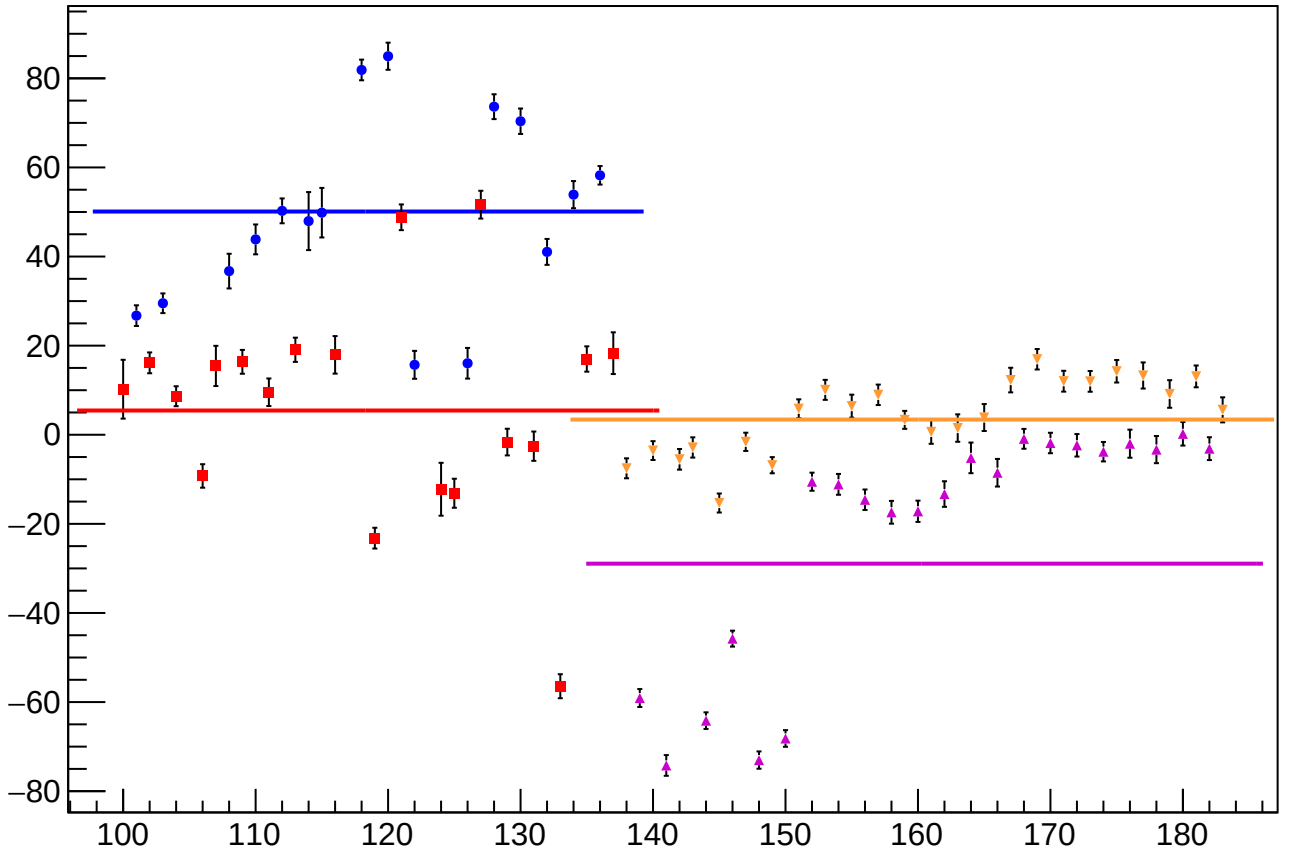
Left: 2266.568+/-0.265 χ^2/NDF: 1022650.7/45

Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2255.927+/-0.320 χ^2/NDF:592463.3/37

Out: 2250.653+/-0.311 χ^2/NDF:673181.5/42

All: 2253.213+/-0.223 χ^2/NDF: 1265784.5/80



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 3.409+/-0.483 χ^2/NDF:312.5/23

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: -12.398+/-0.345 χ^2/NDF: 5762.0/45

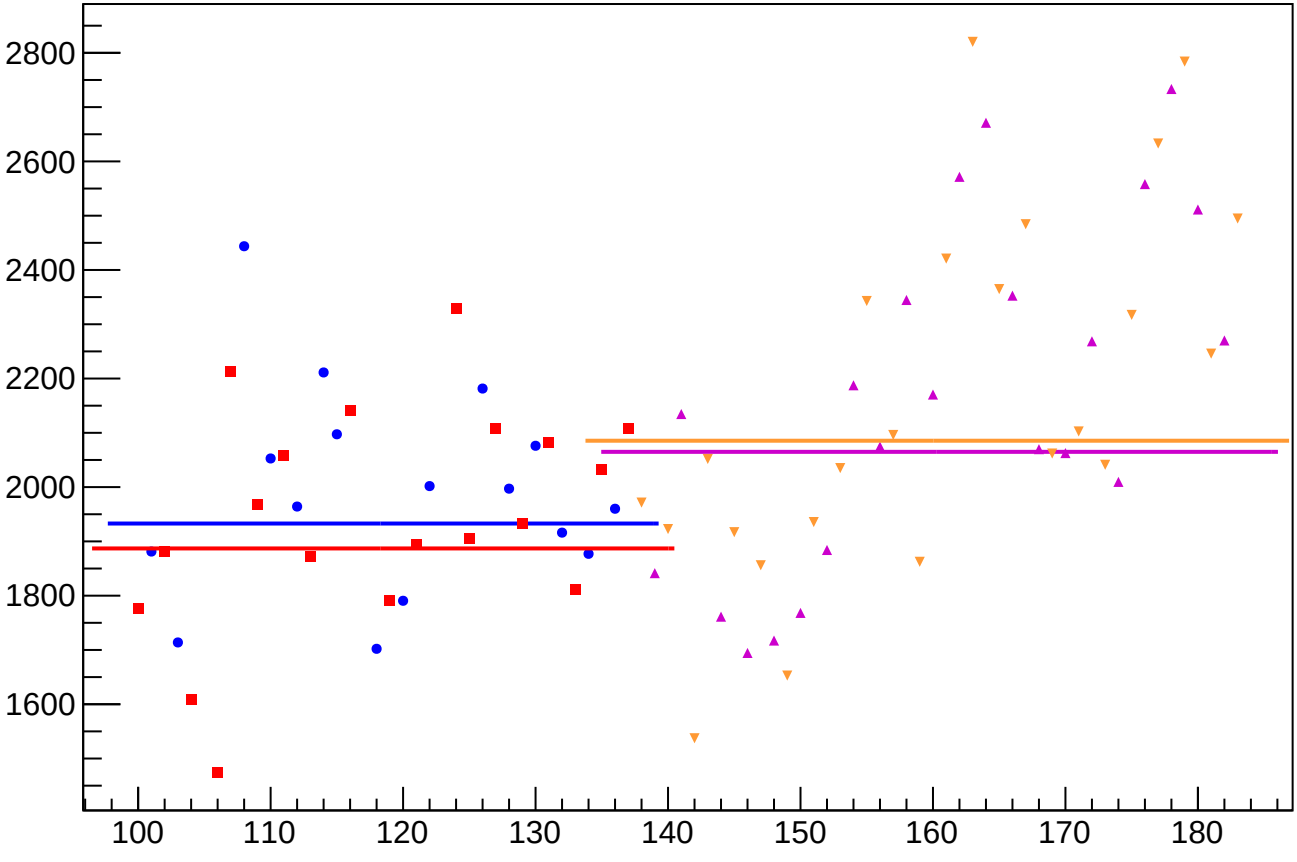
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.743+/-0.408 χ^2/NDF:12306.7/37

Out: 4.072+/-0.396 χ^2/NDF:1629.9/42

All: 0.274+/-0.284 χ^2/NDF: 14125.5/80

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2085.444+/-0.341 χ^2/NDF:780700.4/23

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: 2075.436+/-0.244 χ^2/NDF: 1482634.7/45

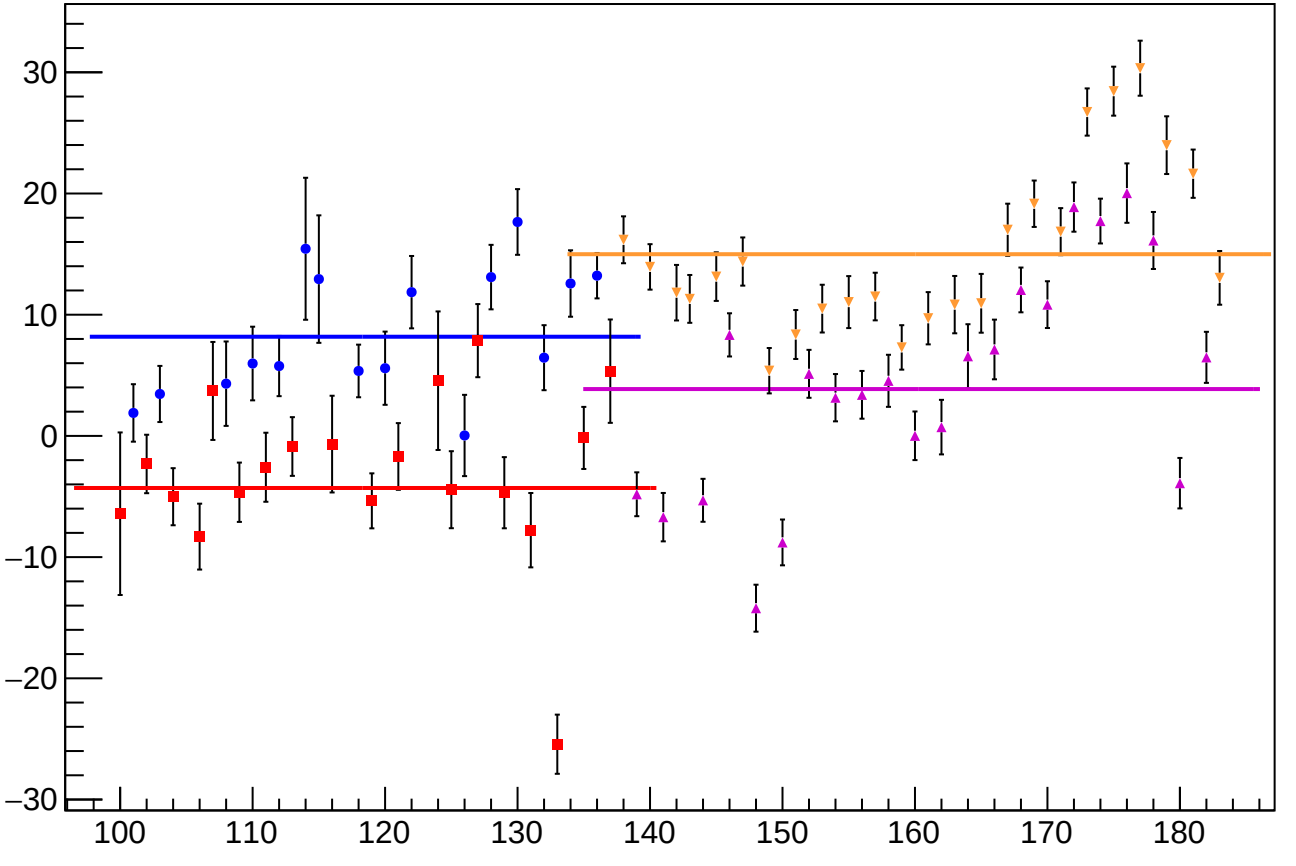
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 2022.871+/-0.288 χ^2/NDF:851711.4/37

Out: 2020.745+/-0.280 χ^2/NDF:1040565.7/42

All: 2021.778+/-0.201 χ^2/NDF: 1892305.0/80

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 14.992+/-0.418 χ^2/NDF:244.3/23

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: 9.595+/-0.300 χ^2/NDF: 1042.3/45

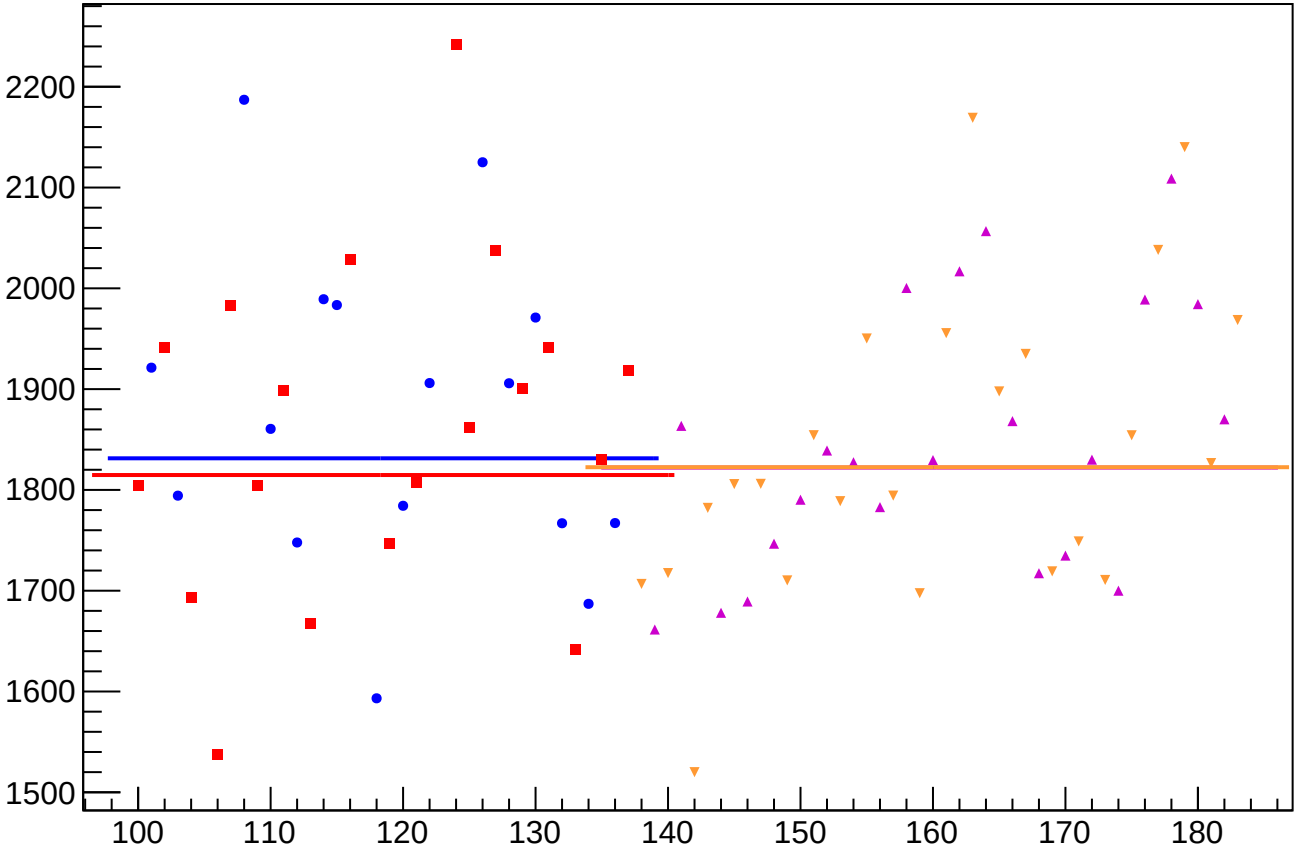
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 5.094+/-0.365 χ^2/NDF:535.3/37

Out: 9.529+/-0.354 χ^2/NDF:960.5/42

All: 7.376+/-0.254 χ^2/NDF: 1571.9/80

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1822.527+/-0.296 χ^2/NDF:210489.7/23

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: 1822.345+/-0.212 χ^2/NDF: 372672.3/45

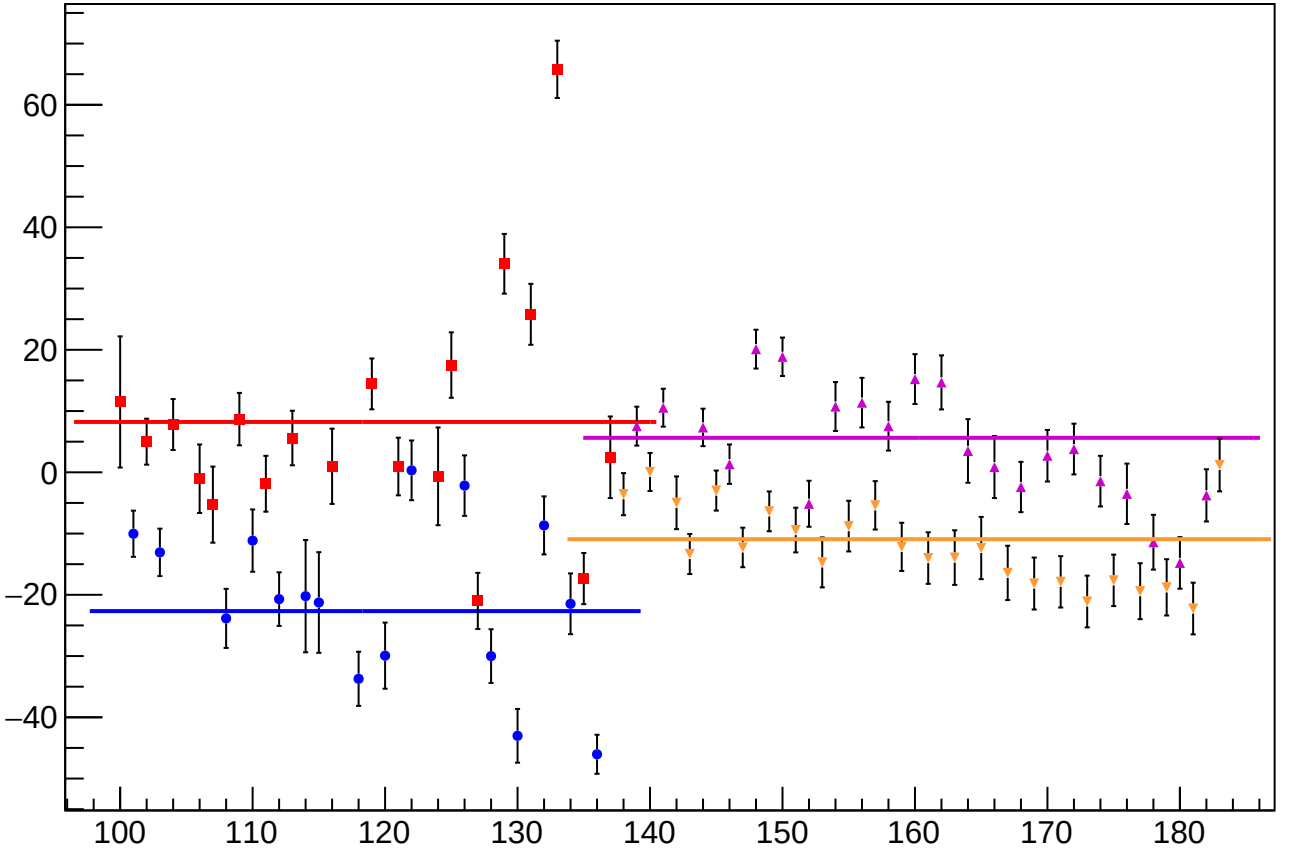
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1824.772+/-0.258 χ^2/NDF:249360.7/37

Out: 1820.331+/-0.250 χ^2/NDF:301423.0/42

All: 1822.487+/-0.180 χ^2/NDF: 550936.3/80

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -10.916+/-0.798 χ^2/NDF:69.0/23

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 5.632+/-0.820 χ^2/NDF:120.3/21

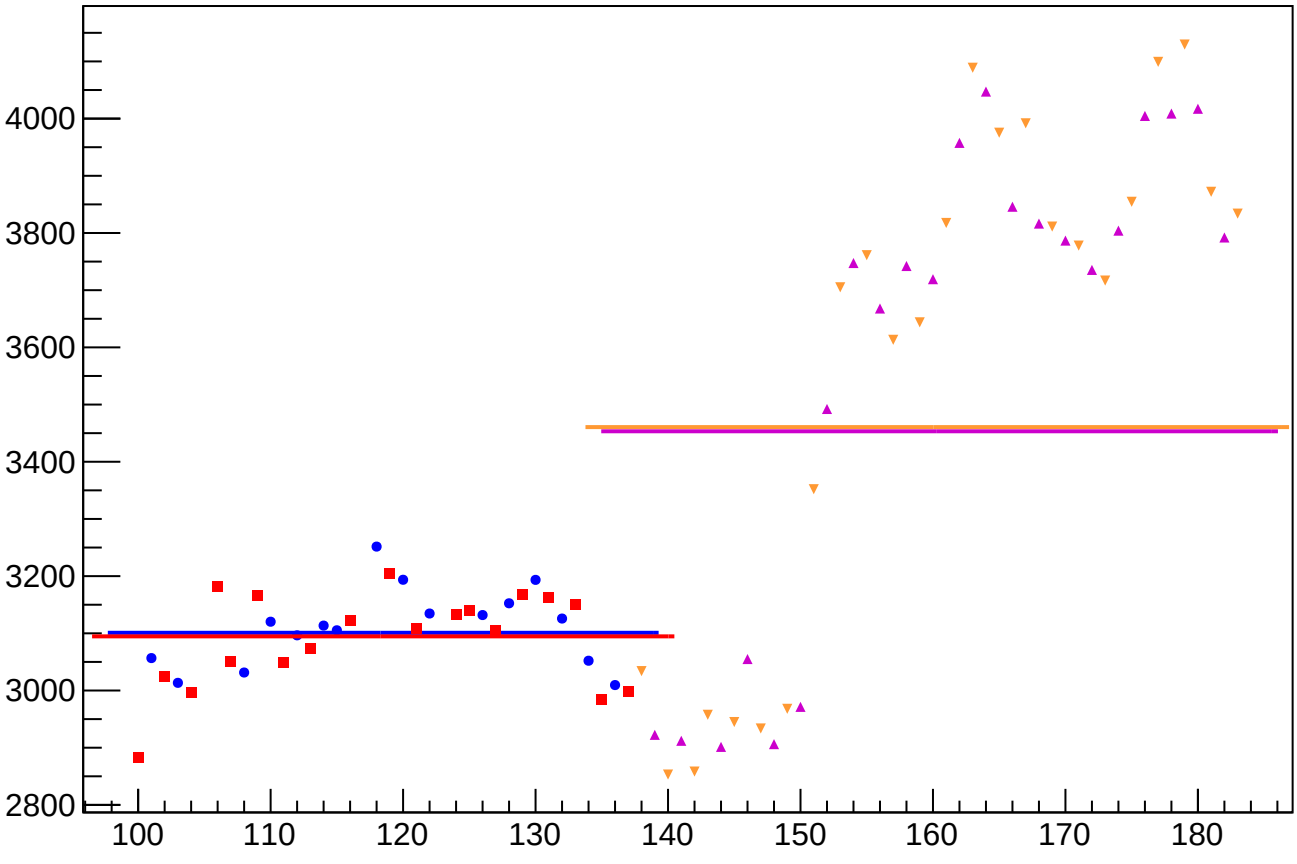
Left: -2.861+/-0.572 χ^2/NDF: 398.5/45

Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -3.879+/-0.668 χ^2/NDF:678.0/37

Out: -4.535+/-0.652 χ^2/NDF:555.5/42

All: -4.215+/-0.466 χ^2/NDF: 1234.0/80



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3460.591+/-0.564 χ^2/NDF:638716.7/23

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3453.292+/-0.580 χ^2/NDF:575716.7/21

Left: 3457.038+/-0.404 χ^2/NDF: 1214514.8/45

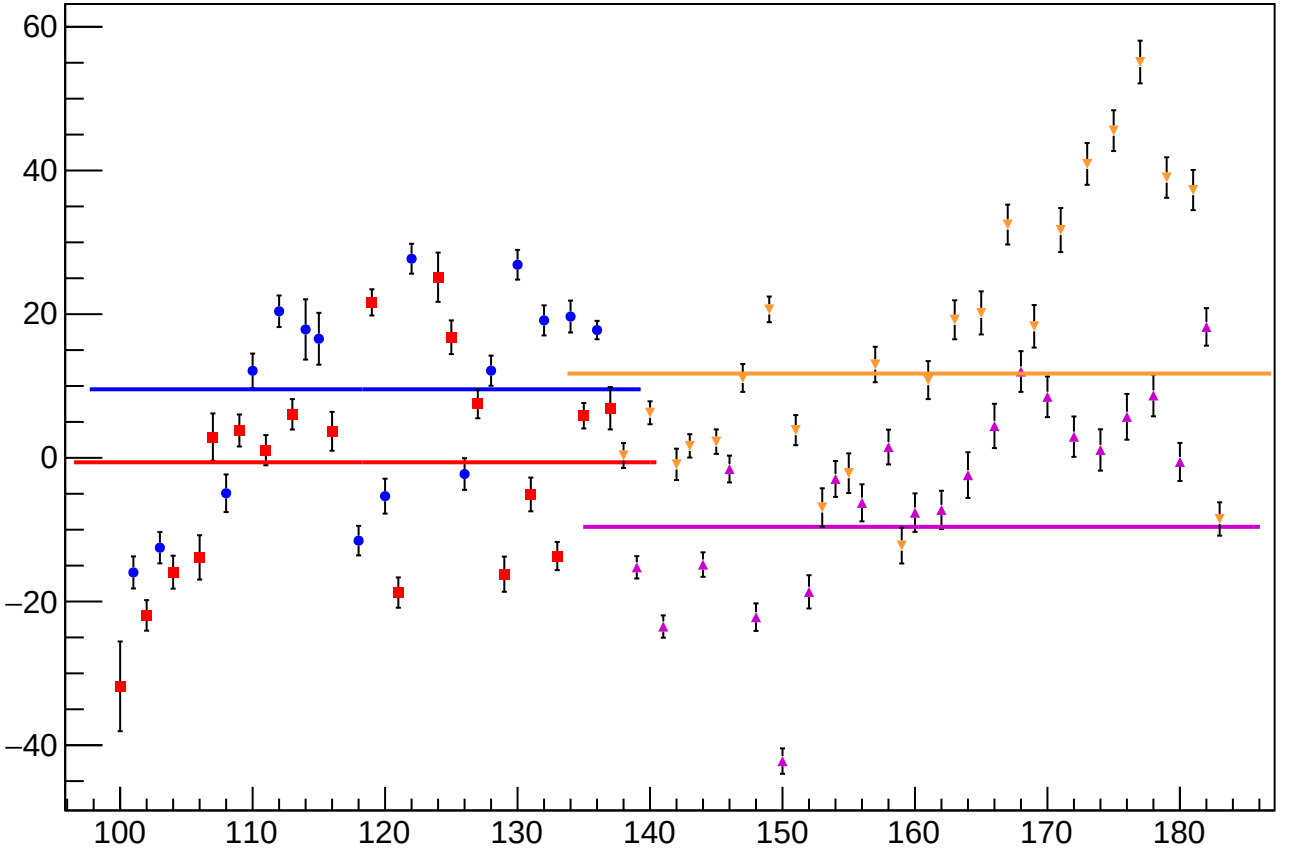
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3334.860+/-0.472 χ^2/NDF:707838.2/37

Out: 3338.615+/-0.461 χ^2/NDF:787395.3/42

All: 3336.784+/-0.330 χ^2/NDF: 1495265.9/80

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 11.733+/-0.467 χ^2/NDF:1190.8/23

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: 1.532+/-0.337 χ^2/NDF: 3088.6/45

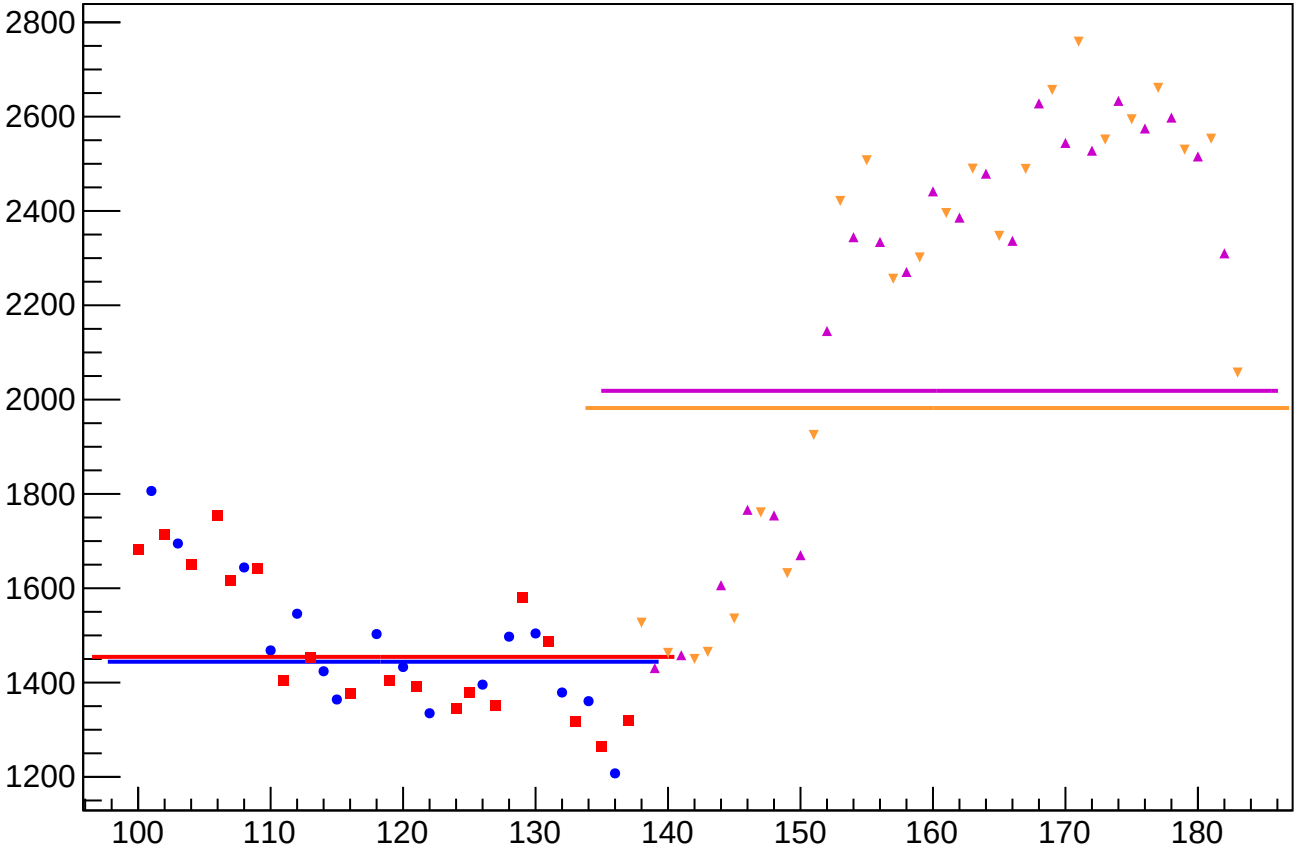
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -1.031+/-0.362 χ^2/NDF:2287.3/37

Out: 6.387+/-0.351 χ^2/NDF:2160.0/42

All: 2.791+/-0.252 χ^2/NDF: 4663.3/80

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1982.168+/-0.330 χ^2/NDF:1977332.4/23

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 2018.613+/-0.345 χ^2/NDF:1612776.7/21

Left: 1999.591+/-0.238 χ^2/NDF: 3595942.9/45

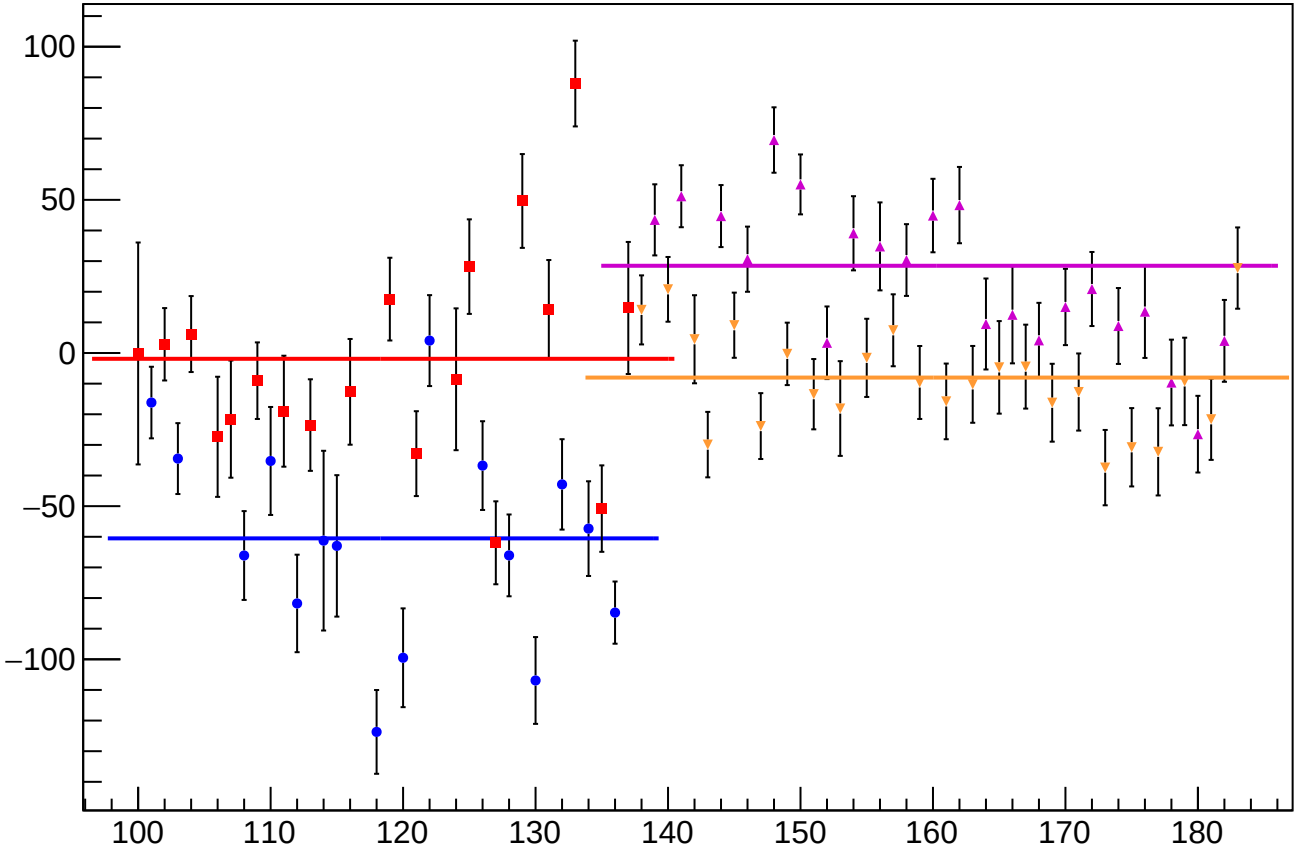
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1761.352+/-0.256 χ^2/NDF:3036492.5/37

Out: 1753.777+/-0.248 χ^2/NDF:3227425.1/42

All: 1757.449+/-0.178 χ^2/NDF: 6264368.3/80

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -8.020+/-2.509 χ^2/NDF:45.4/23

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: 9.765+/-1.797 χ^2/NDF: 231.6/45

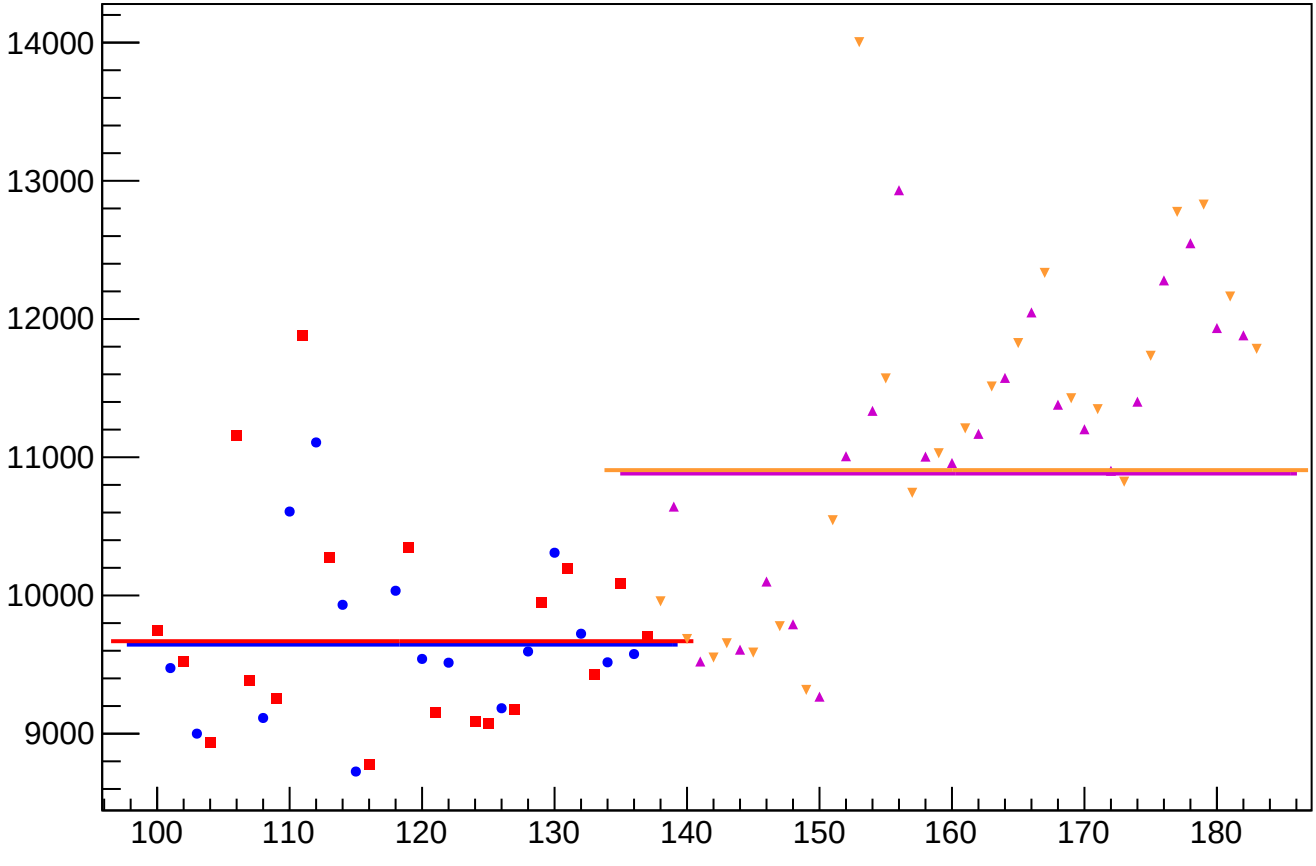
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -1.671+/-2.093 χ^2/NDF:578.3/37

Out: -5.973+/-2.048 χ^2/NDF:151.2/42

All: -3.869+/-1.464 χ^2/NDF: 731.7/80

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10906.700+/-1.774 χ^2/NDF:422483.3/23

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: 10894.791+/-1.271 χ^2/NDF: 716505.6/45

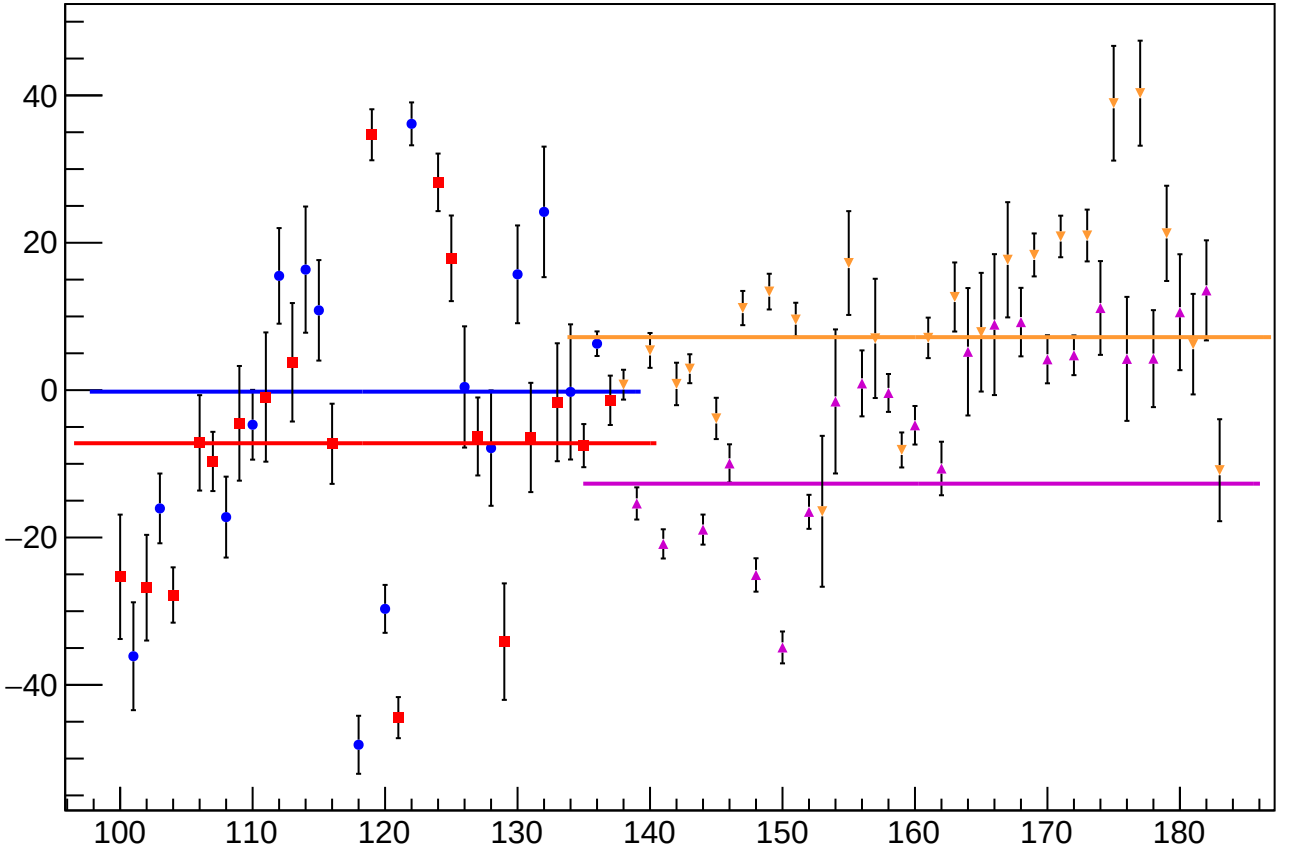
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 10462.872+/-1.480 χ^2/NDF:494709.5/37

Out: 10493.233+/-1.448 χ^2/NDF:664869.3/42

All: 10478.385+/-1.035 χ^2/NDF: 1159793.8/8

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 7.191+/-0.654 χ^2/NDF:201.7/23

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: -2.642+/-0.465 χ^2/NDF: 1016.8/45

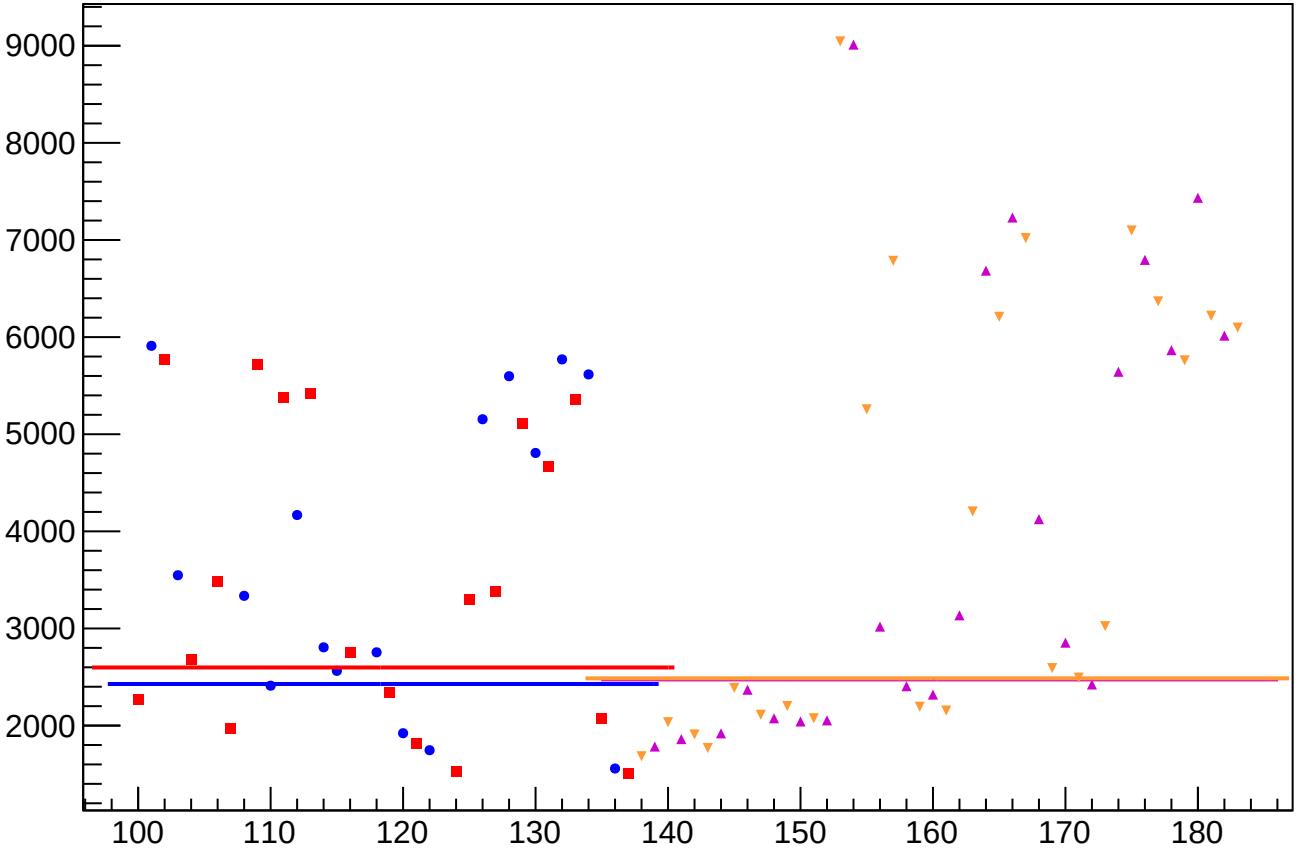
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -9.122+/-0.559 χ^2/NDF:934.1/37

Out: 3.291+/-0.559 χ^2/NDF:818.4/42

All: -2.913+/-0.395 χ^2/NDF: 1999.1/80

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2486.411+/-0.463 χ^2/NDF:7005028.5/23

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: 2480.925+/-0.329 χ^2/NDF: 12897403.9/45

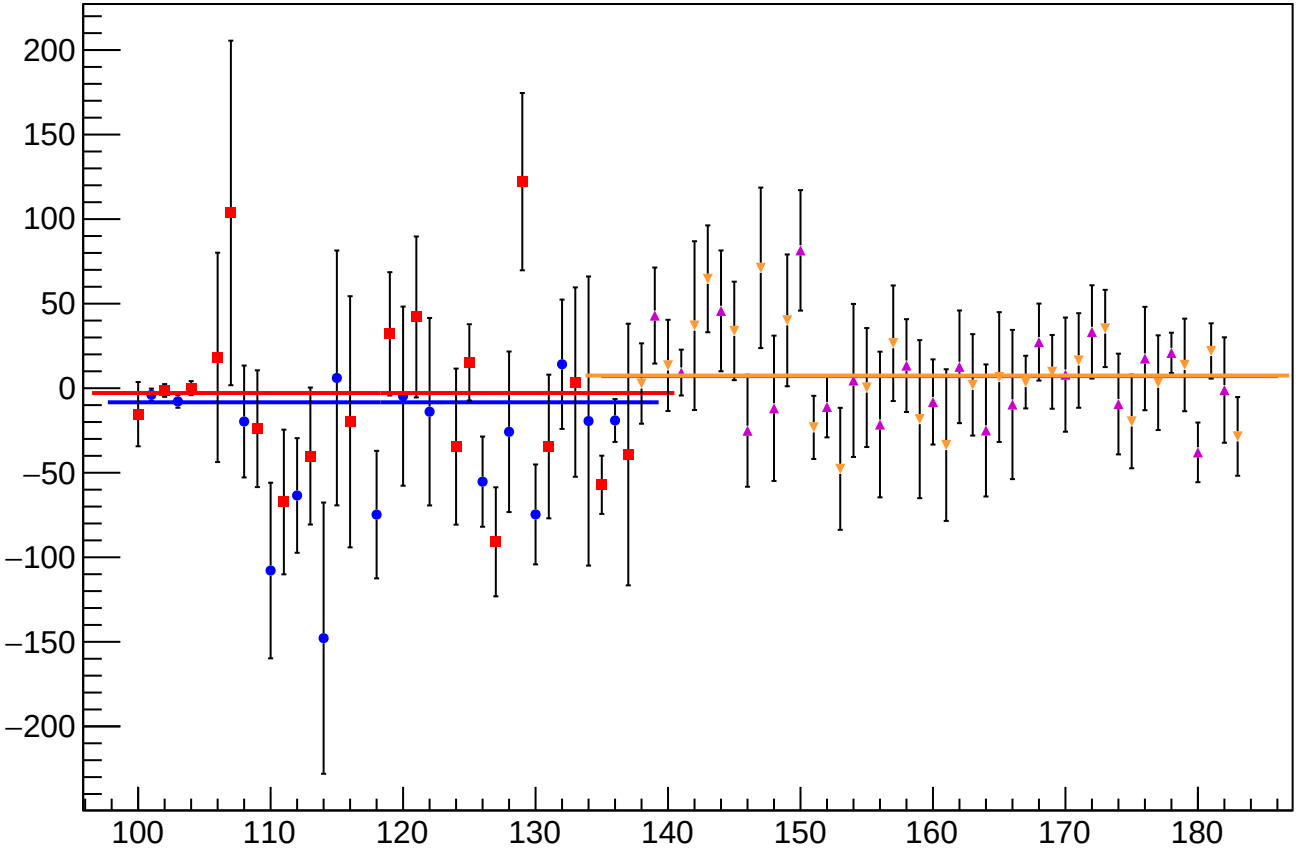
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2461.808+/-0.395 χ^2/NDF:8710342.7/37

Out: 2516.728+/-0.395 χ^2/NDF:9535804.6/42

All: 2489.280+/-0.279 χ^2/NDF: 18255802.0/8

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.495+/-5.439 χ^2/NDF:19.5/23

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: 7.325+/-3.774 χ^2/NDF: 40.6/45

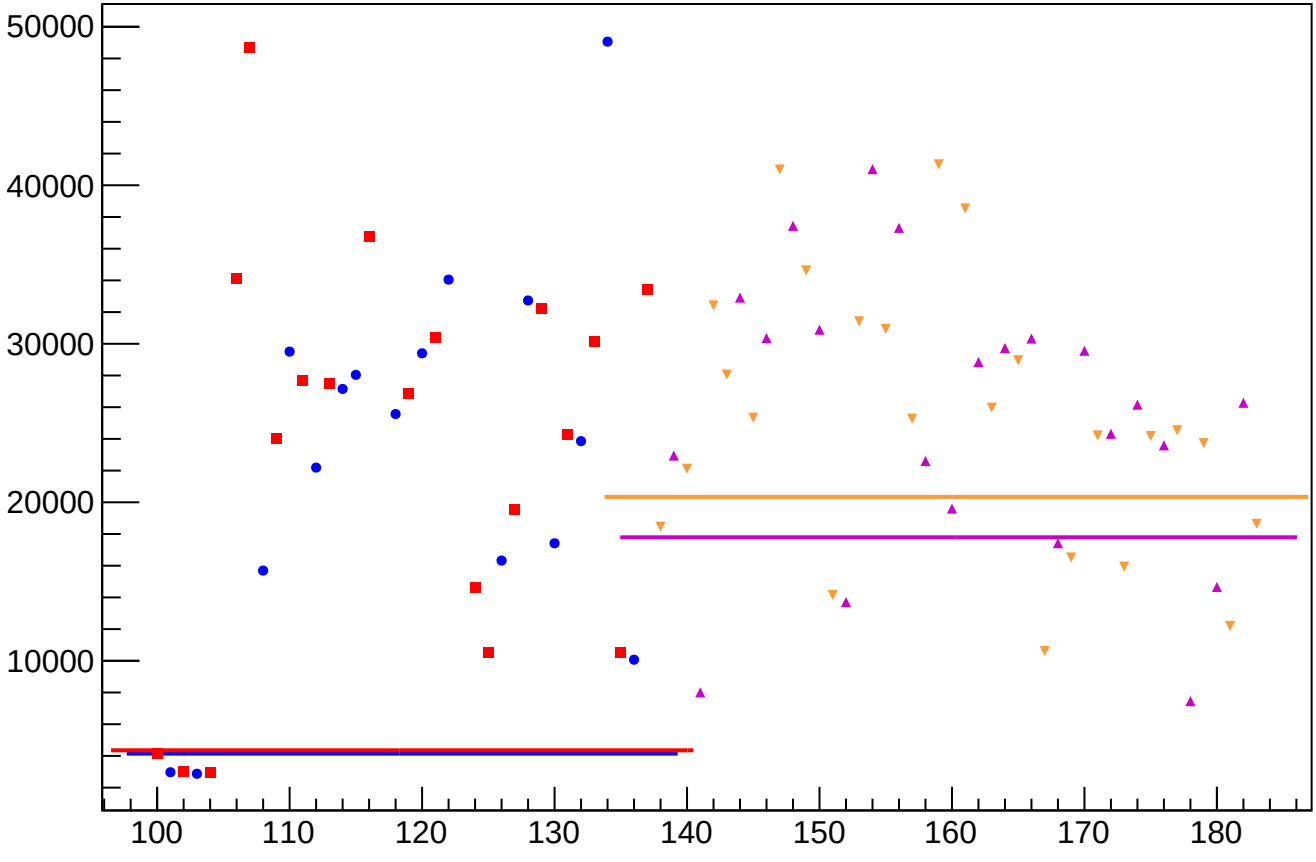
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -5.462+/-2.256 χ^2/NDF:51.6/37

Out: -0.877+/-2.375 χ^2/NDF:55.0/42

All: -3.286+/-1.636 χ^2/NDF: 108.6/80

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 20342.002+/-3.846 χ^2/NDF:4074643.4/23

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: 19019.925+/-2.669 χ^2/NDF: 10724490.1/45

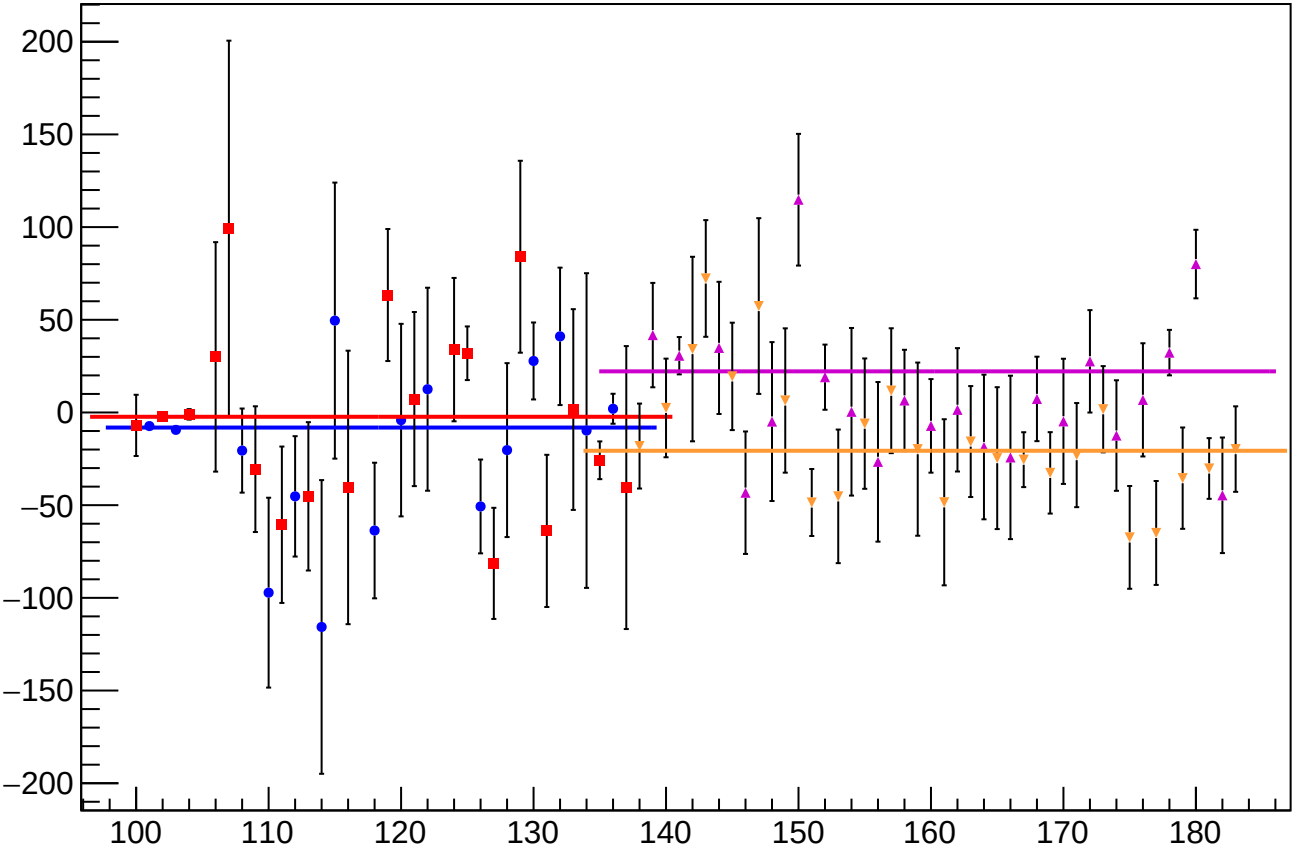
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 6673.473+/-1.595 χ^2/NDF:24302299.0/37

Out: 7401.776+/-1.679 χ^2/NDF:25684607.3/42

All: 7018.973+/-1.157 χ^2/NDF: 50085782.9/8

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -20.650+/-5.377 χ^2/NDF:27.5/23

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 22.181+/-4.979 χ^2/NDF:36.0/21

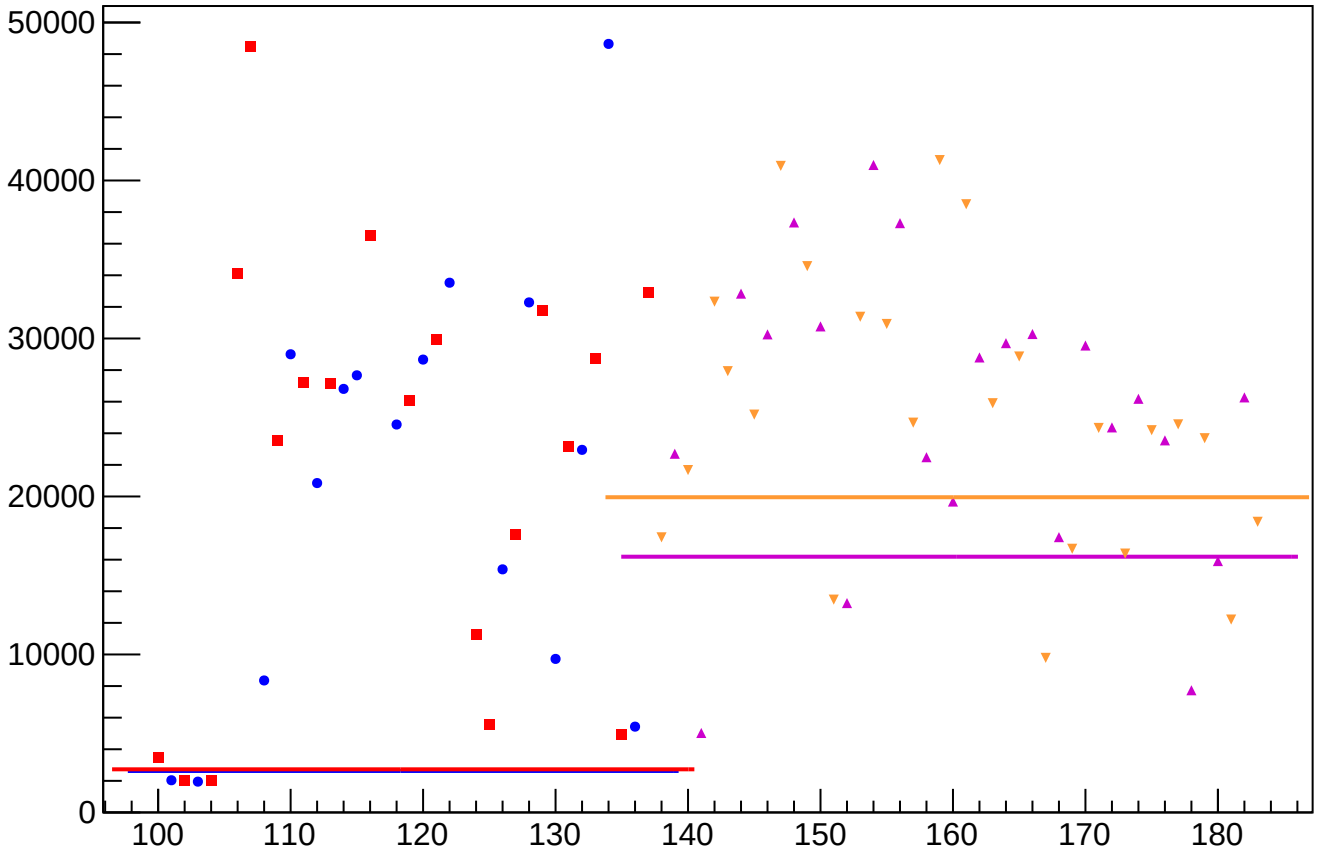
Left: 2.411+/-3.653 χ^2/NDF: 97.7/45

Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -4.899+/-1.626 χ^2/NDF:88.3/37

Out: -4.211+/-1.725 χ^2/NDF:71.0/42

All: -4.576+/-1.183 χ^2/NDF: 159.3/80



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 19951.769+/-3.802 χ^2/NDF:4341687.9/23

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 16187.568+/-3.521 χ^2/NDF:8198185.8/21

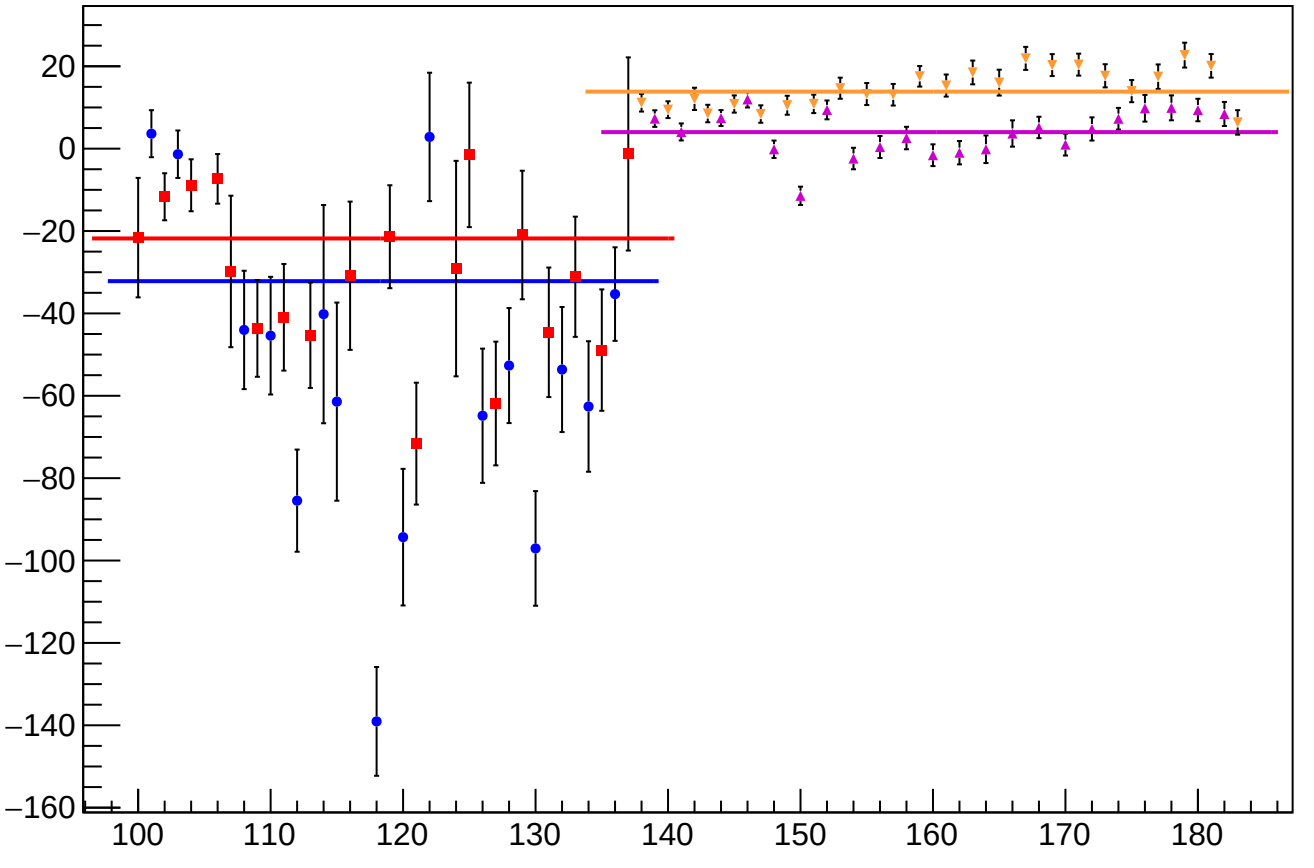
Left: 17925.078+/-2.583 χ^2/NDF: 13067505.8/45

Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 4072.772+/-1.150 χ^2/NDF:28232952.9/37

Out: 4503.066+/-1.220 χ^2/NDF:30728381.1/42

All: 4275.182+/-0.837 χ^2/NDF: 59027214.0/8



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.845+/-0.517 χ^2/NDF:74.6/23

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: 9.086+/-0.371 χ^2/NDF: 363.4/45

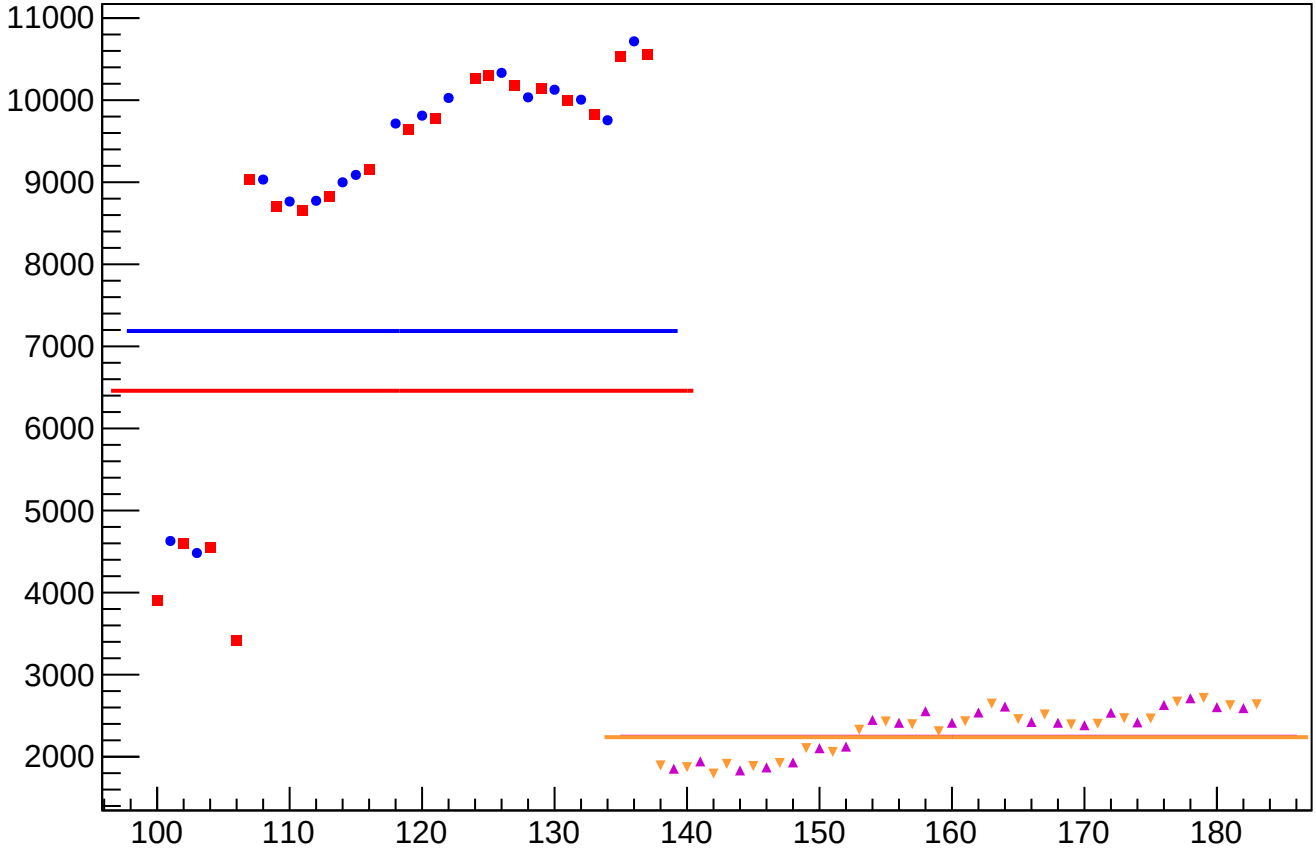
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 2.785+/-0.524 χ^2/NDF:477.9/37

Out: 12.448+/-0.506 χ^2/NDF:310.3/42

All: 7.783+/-0.364 χ^2/NDF: 964.1/80

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2238.461+/-0.365 χ^2/NDF:646528.1/23

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: 2240.989+/-0.262 χ^2/NDF: 1274616.3/45

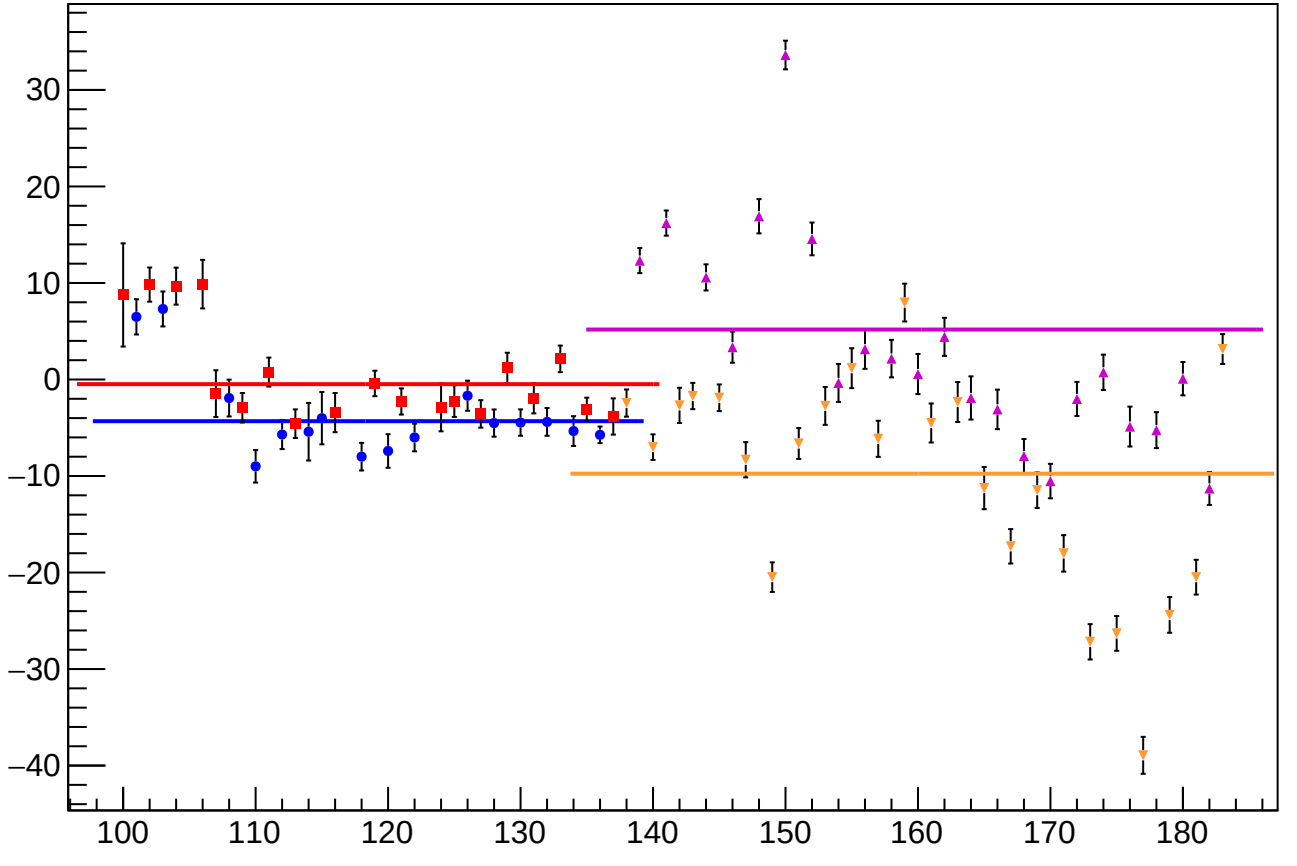
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2411.826+/-0.371 χ^2/NDF:8180990.3/37

Out: 2403.932+/-0.358 χ^2/NDF:8157557.7/42

All: 2407.743+/-0.257 χ^2/NDF: 16338782.7/8

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -9.758+/-0.352 χ^2/NDF:925.5/23

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: -2.625+/-0.254 χ^2/NDF: 2699.1/45

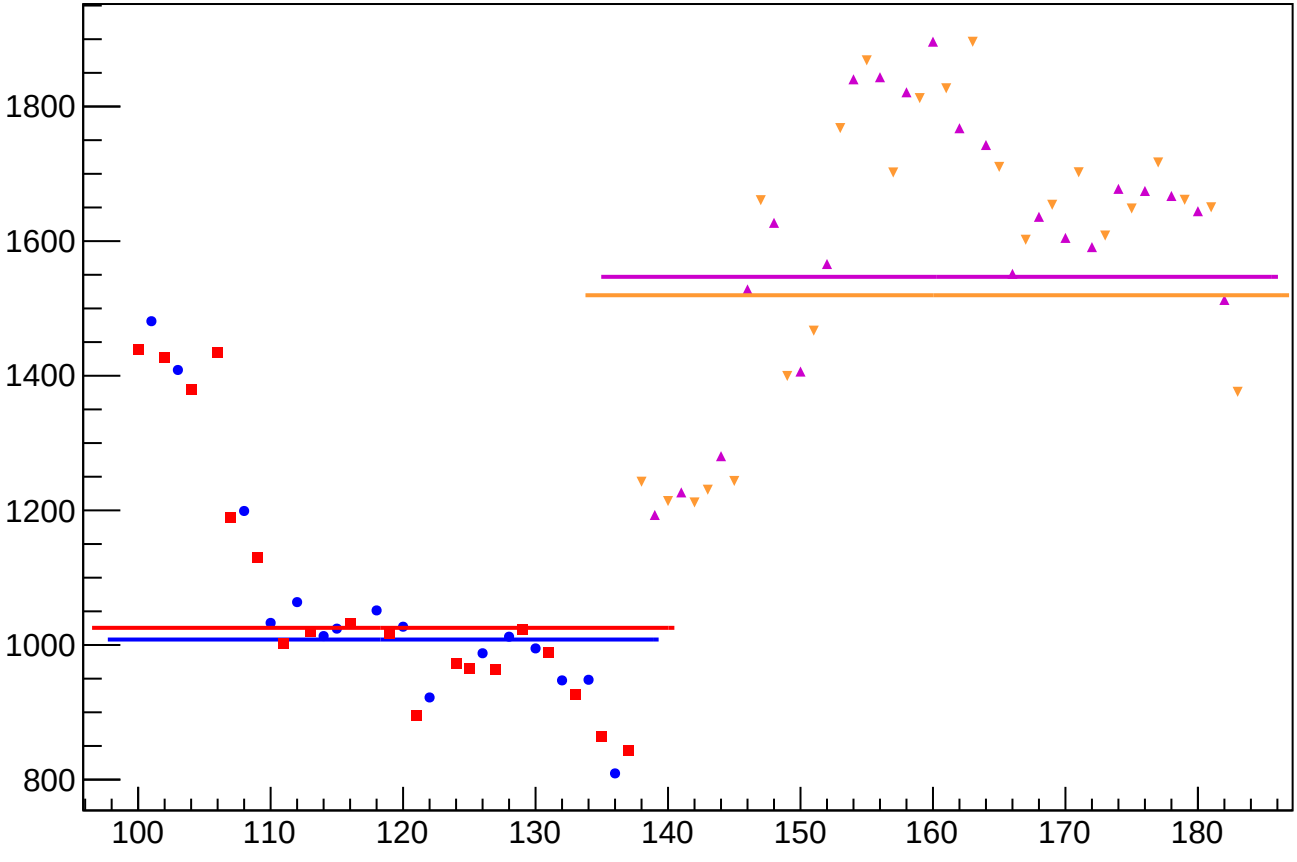
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 0.574+/-0.264 χ^2/NDF:1340.3/37

Out: -5.456+/-0.258 χ^2/NDF:1364.6/42

All: -2.516+/-0.185 χ^2/NDF: 2971.6/80

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1519.613+/-0.249 χ^2/NDF:826522.8/23

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: 1532.684+/-0.180 χ^2/NDF: 1466723.8/45

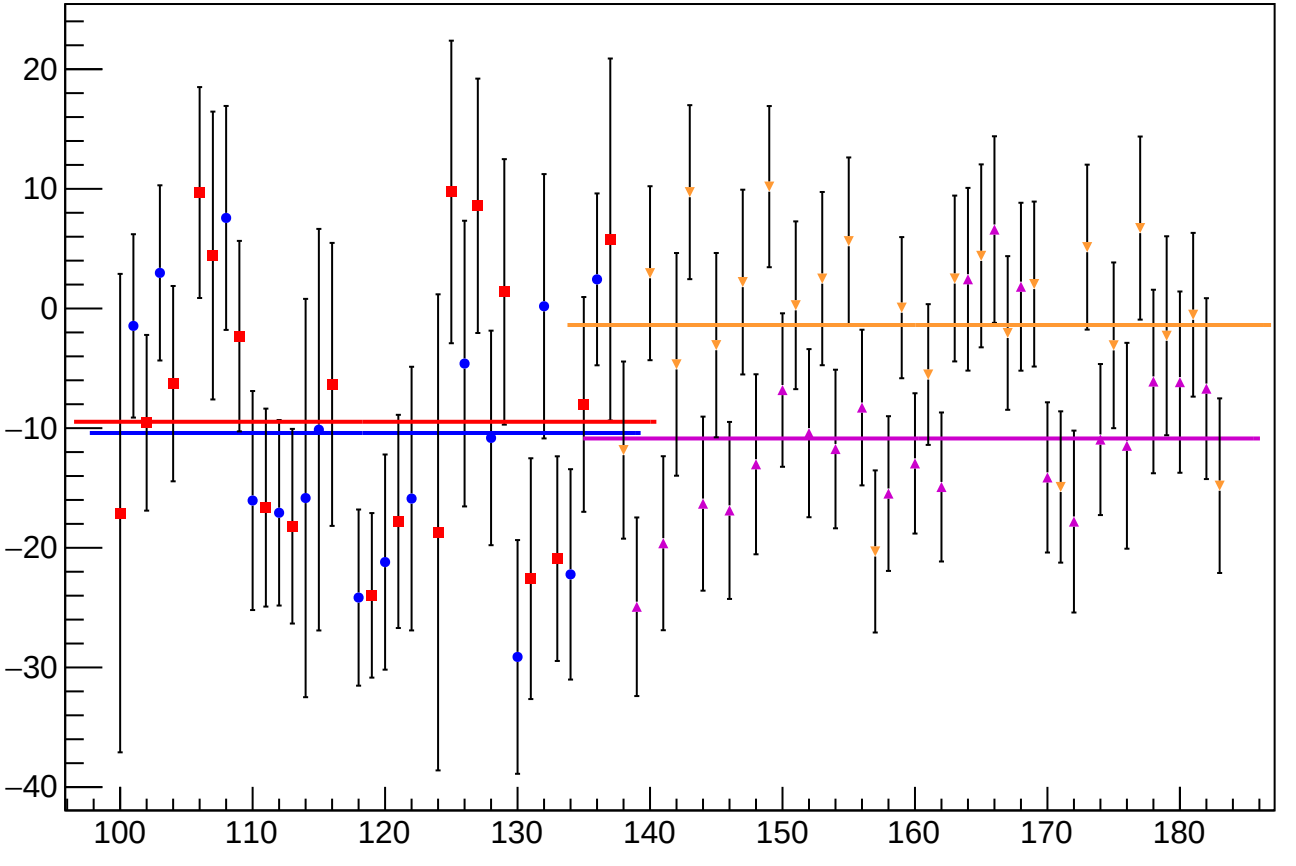
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1285.860+/-0.187 χ^2/NDF:3089007.5/37

Out: 1290.483+/-0.182 χ^2/NDF:2999013.1/42

All: 1288.229+/-0.131 χ^2/NDF: 6088334.1/80

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -1.379+/-1.437 χ^2/NDF:28.9/23

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: -5.939+/-1.035 χ^2/NDF: 71.3/45

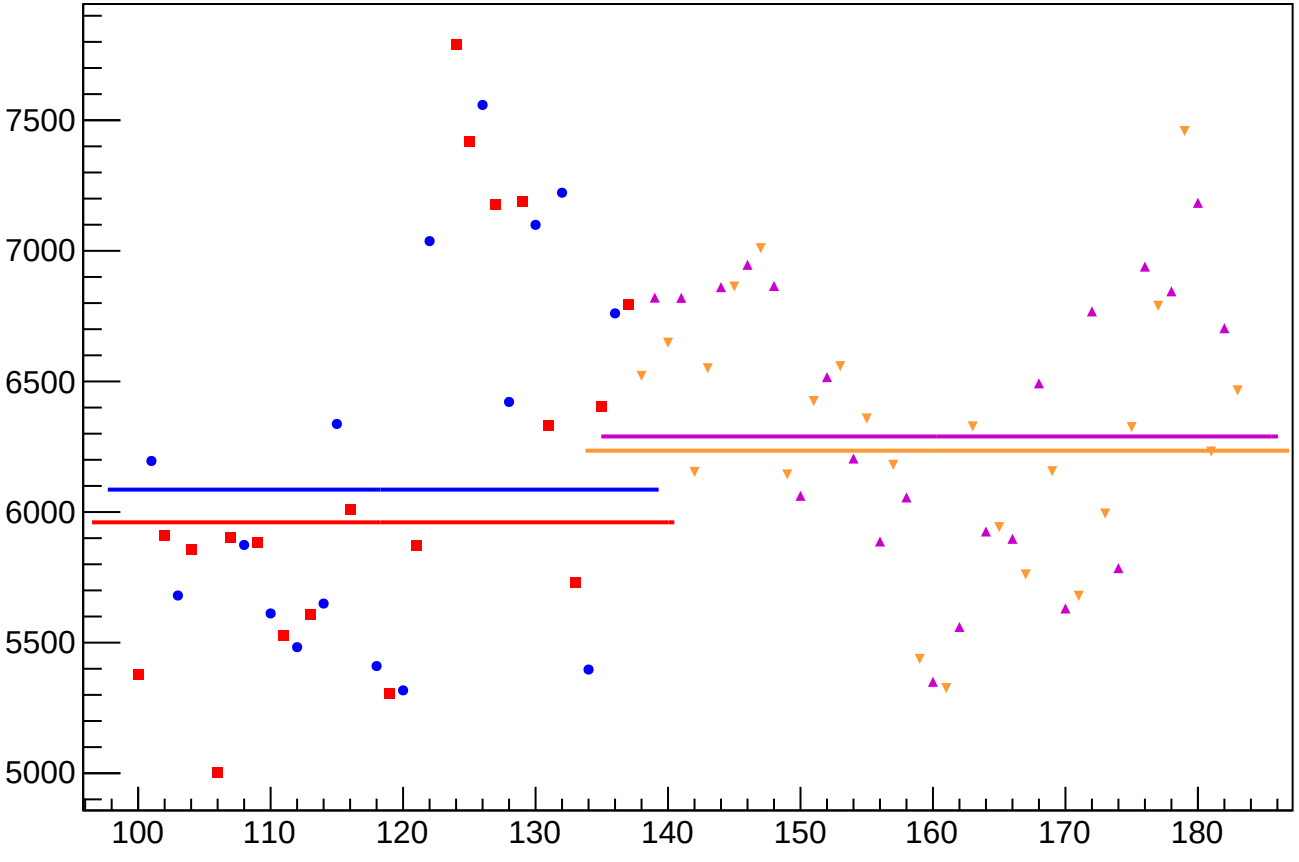
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -10.725+/-1.249 χ^2/NDF:46.1/37

Out: -3.811+/-1.201 χ^2/NDF:63.8/42

All: -7.134+/-0.866 χ^2/NDF: 125.8/80

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6234.881+/-1.016 χ^2/NDF:226230.5/23

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6289.351+/-1.056 χ^2/NDF:264435.4/21

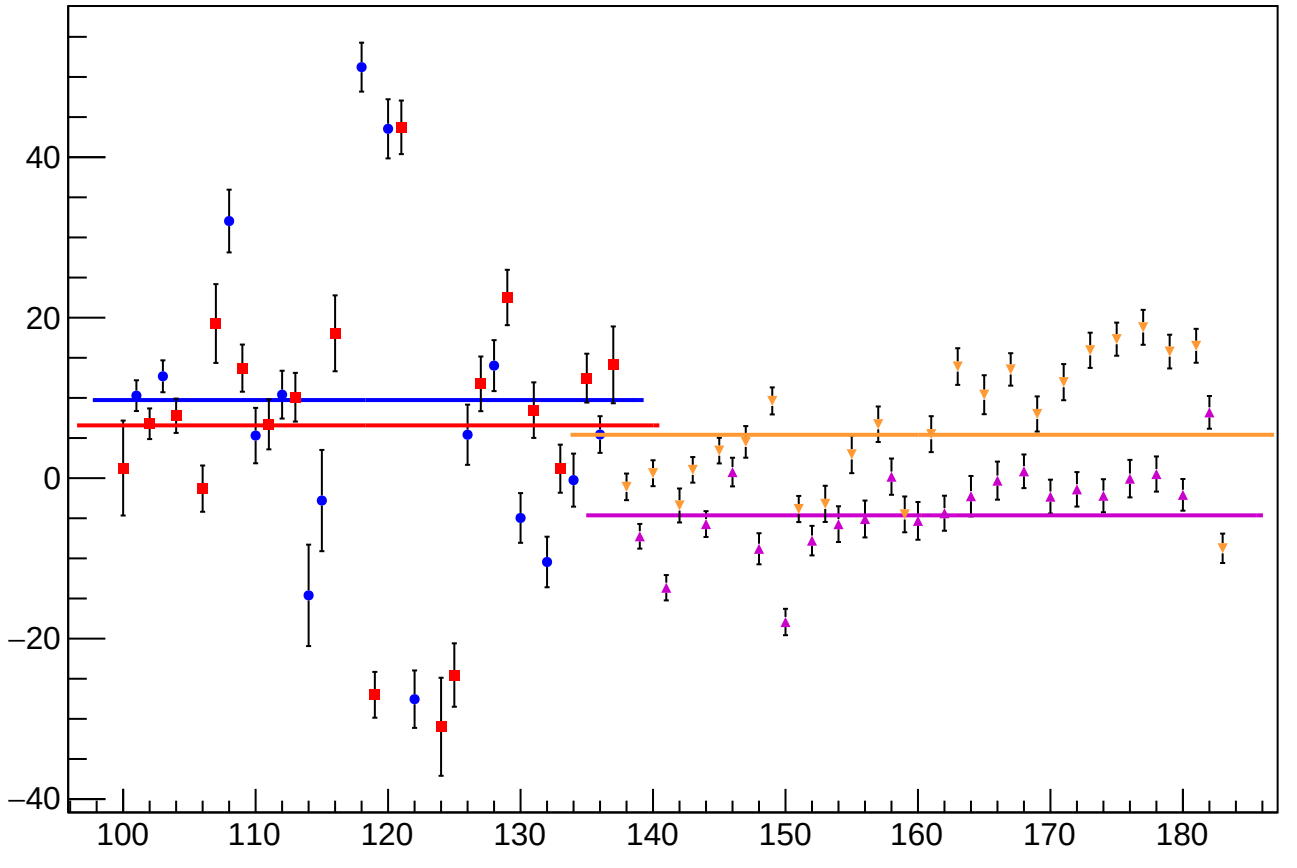
Left: 6261.071+/-0.732 χ^2/NDF: 492048.0/45

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6228.286+/-0.883 χ^2/NDF:454702.9/37

Out: 6152.399+/-0.850 χ^2/NDF:410919.8/42

All: 6188.871+/-0.612 χ^2/NDF: 869457.3/80



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 5.405+/-0.404 χ^2/NDF:374.9/23

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: 0.633+/-0.292 χ^2/NDF: 858.6/45

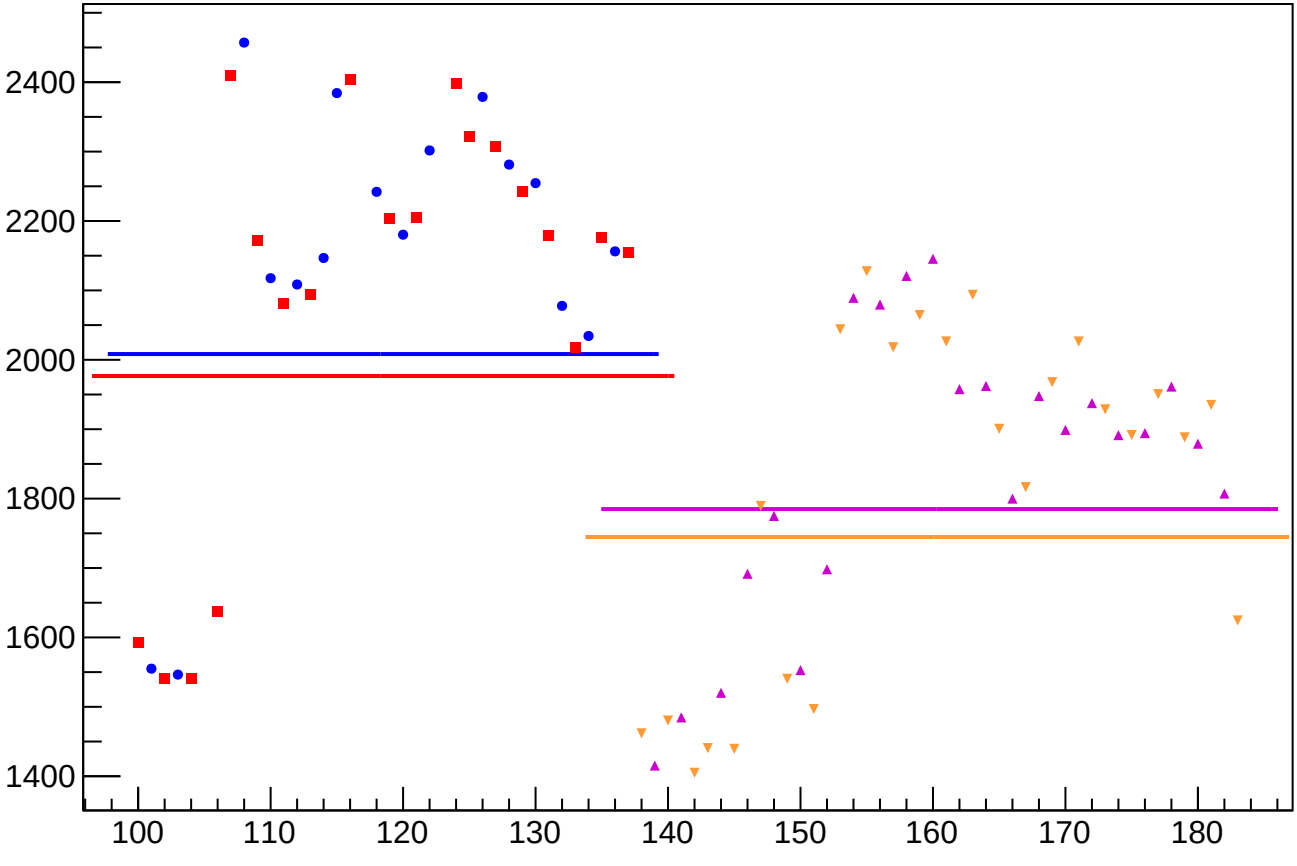
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.188+/-0.370 χ^2/NDF:977.3/37

Out: 5.679+/-0.353 χ^2/NDF:800.7/42

All: 2.402+/-0.255 χ^2/NDF: 1958.3/80

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1744.699+/-0.285 χ^2/NDF:763048.9/23

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: 1763.823+/-0.207 χ^2/NDF: 1303412.4/45

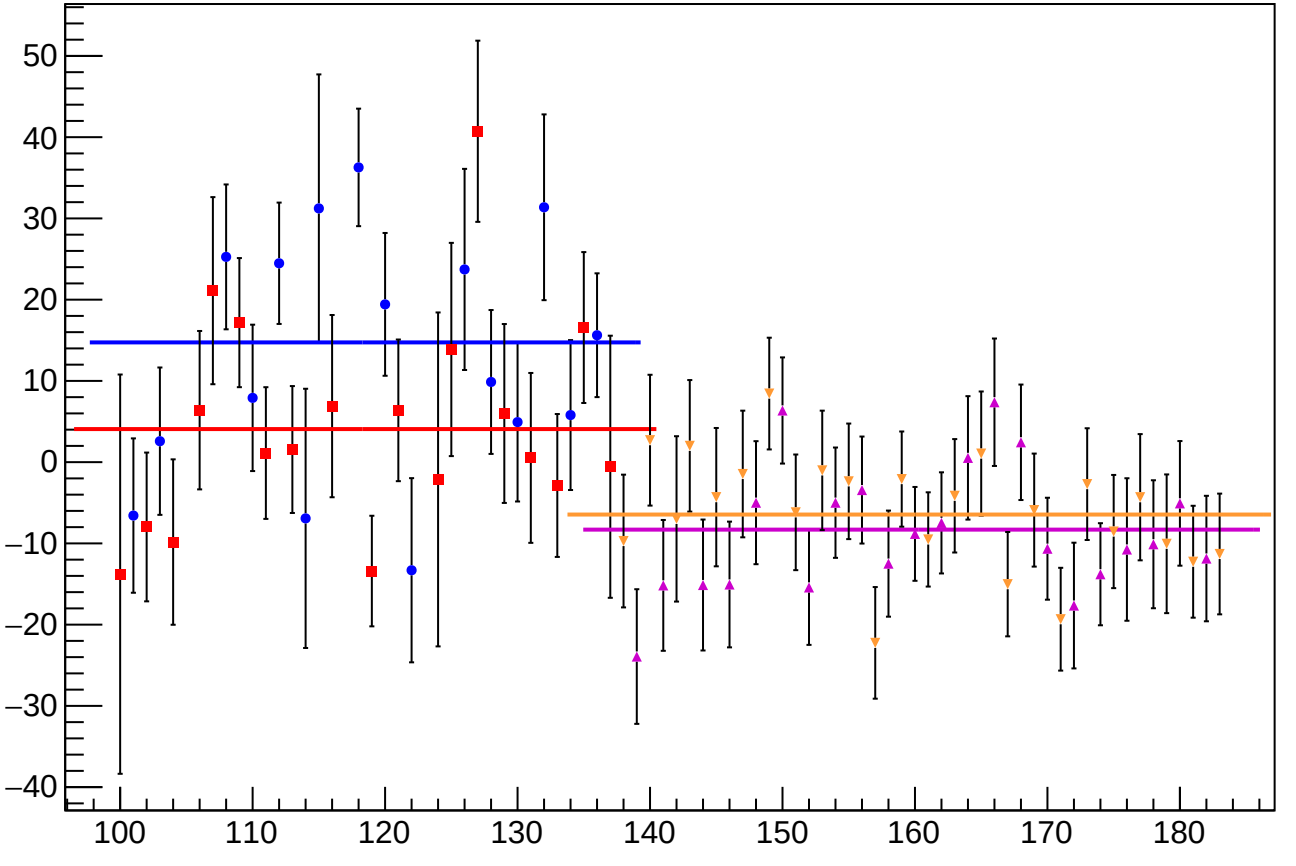
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1838.526+/-0.261 χ^2/NDF:1008378.2/37

Out: 1798.985+/-0.250 χ^2/NDF:1282987.6/42

All: 1817.855+/-0.181 χ^2/NDF: 2303321.7/80

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -6.448+/-1.469 χ^2/NDF:23.5/23

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: -7.343+/-1.057 χ^2/NDF: 48.0/45

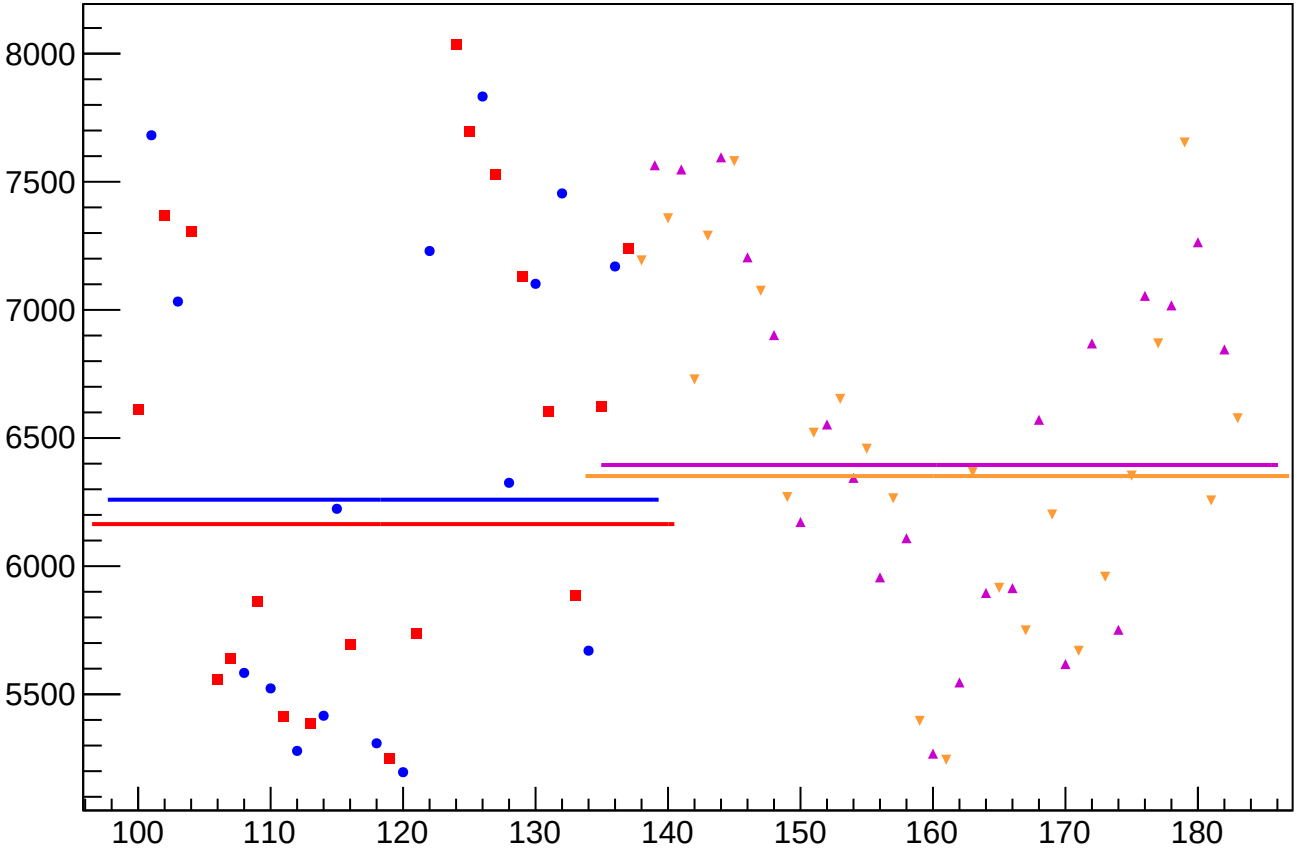
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: -1.515+/-1.280 χ^2/NDF:124.7/37

Out: -3.351+/-1.234 χ^2/NDF:68.8/42

All: -2.467+/-0.888 χ^2/NDF: 194.5/80

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6351.600+/-1.039 χ^2/NDF:384868.3/23

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: 6372.390+/-0.748 χ^2/NDF: 804094.5/45

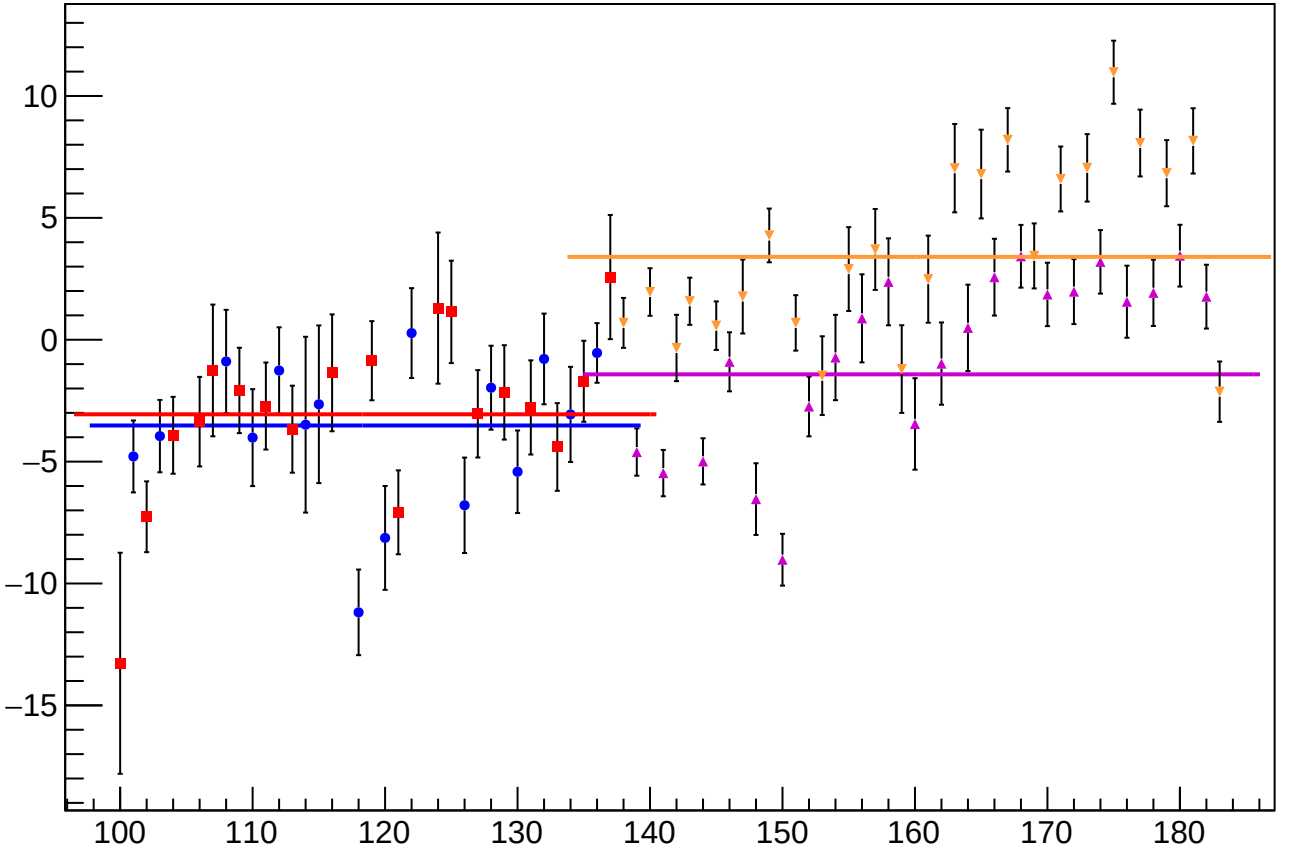
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6354.887+/-0.905 χ^2/NDF:731650.5/37

Out: 6296.409+/-0.872 χ^2/NDF:659518.9/42

All: 6324.578+/-0.628 χ^2/NDF: 1393333.8/80

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 3.400+/-0.266 χ^2/NDF:170.5/23

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: 1.102+/-0.193 χ^2/NDF: 519.7/45

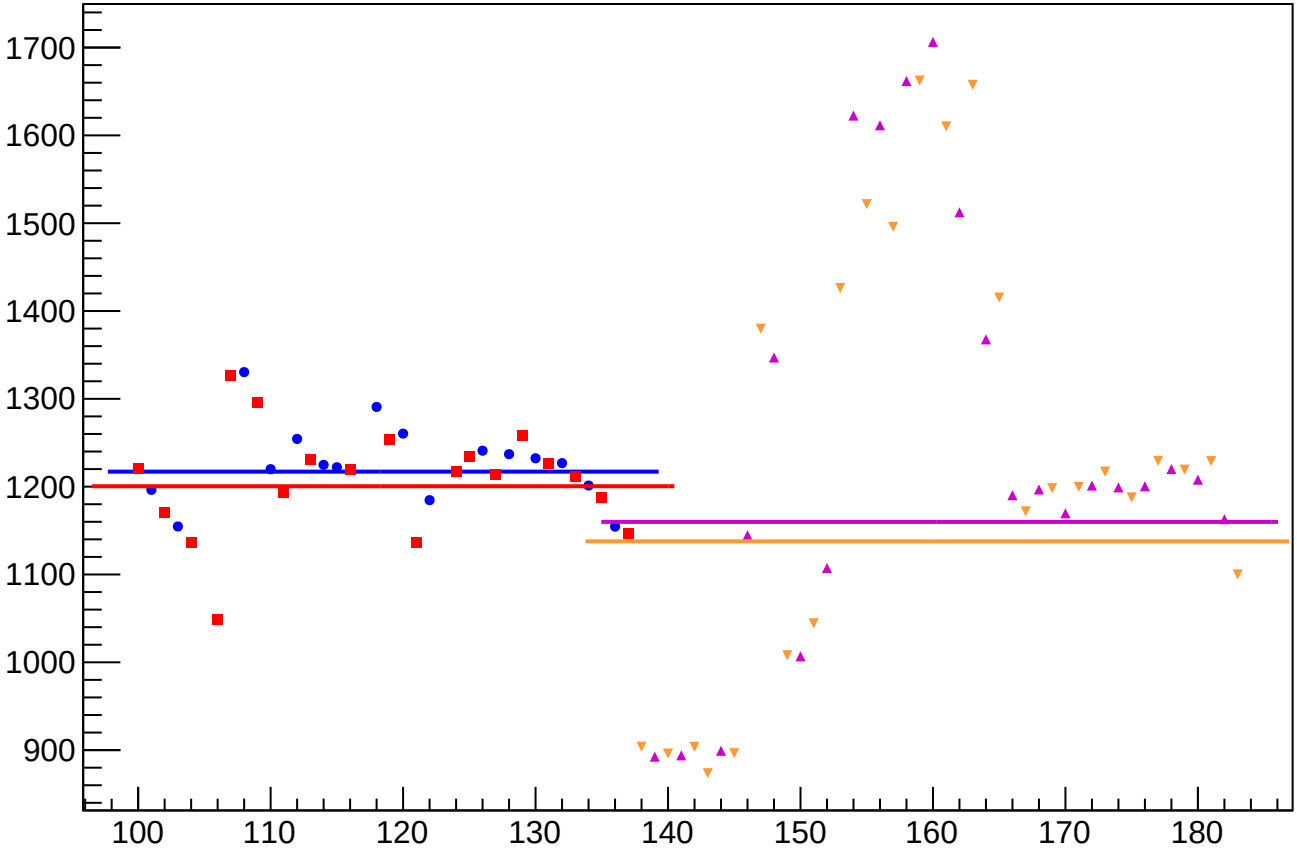
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -1.998+/-0.238 χ^2/NDF:253.9/37

Out: 1.657+/-0.228 χ^2/NDF:363.8/42

All: -0.093+/-0.164 χ^2/NDF: 741.2/80

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1137.773+/-0.188 χ^2/NDF:1468961.9/23

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: 1148.308+/-0.136 χ^2/NDF: 2735033.5/45

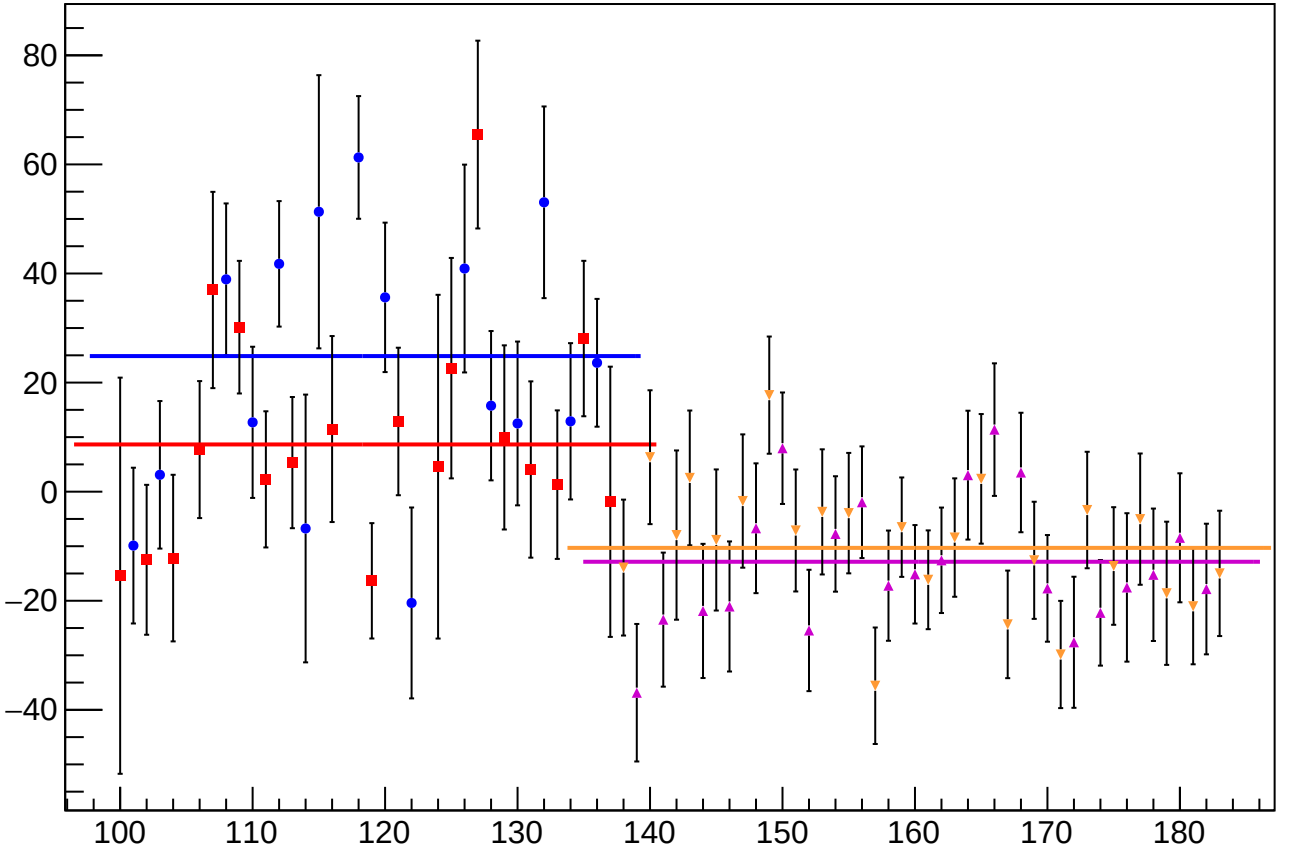
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1175.649+/-0.168 χ^2/NDF:1304375.0/37

Out: 1154.697+/-0.161 χ^2/NDF:1536518.3/42

All: 1164.729+/-0.116 χ^2/NDF: 2849002.0/80

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -10.304+/-2.274 χ^2/NDF:26.7/23

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -12.851+/-2.363 χ^2/NDF:23.9/21

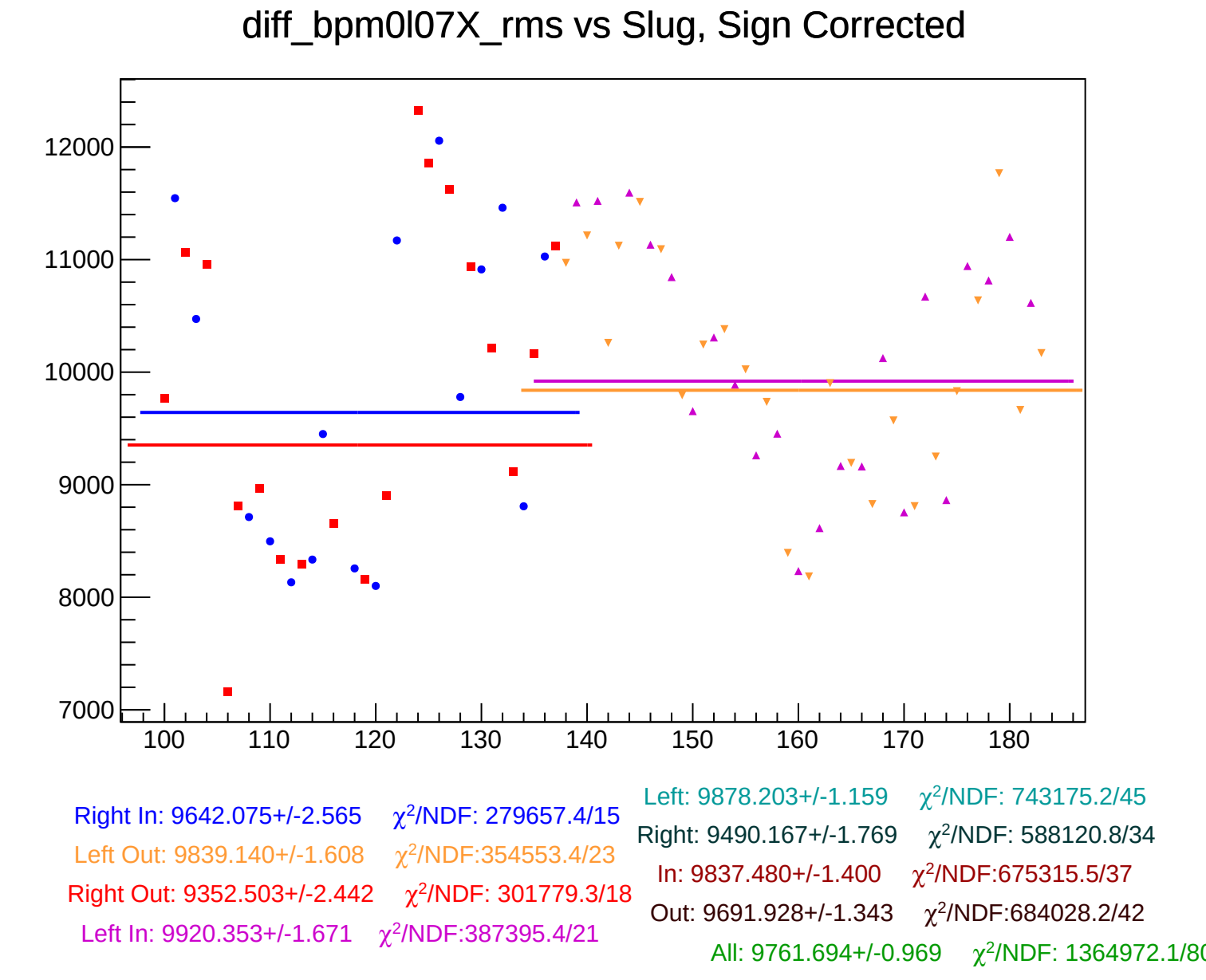
Left: -11.529+/-1.639 χ^2/NDF: 51.2/45

Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

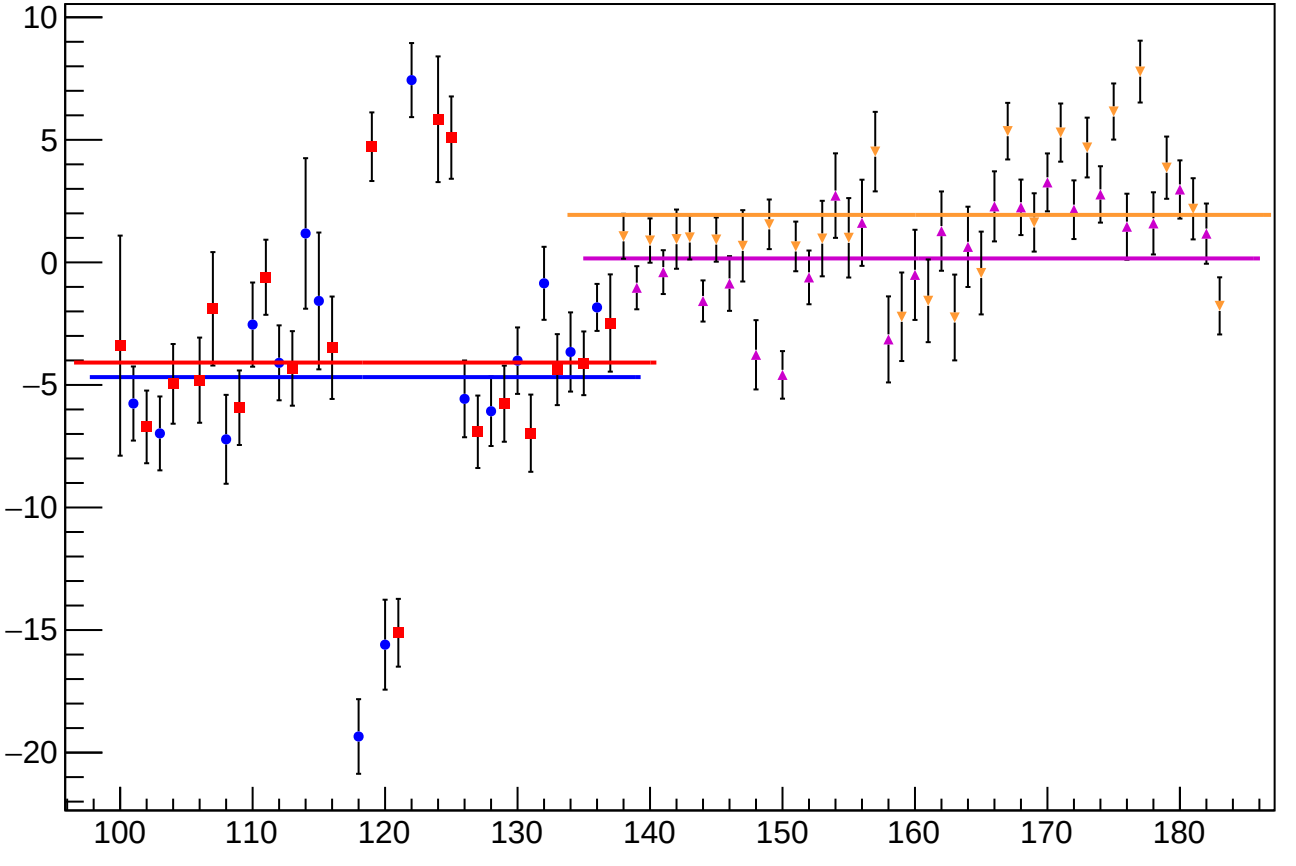
In: -1.620+/-1.980 χ^2/NDF:137.9/37

Out: -4.568+/-1.900 χ^2/NDF:77.9/42

All: -3.155+/-1.371 χ^2/NDF: 216.9/80


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: 9839.140+/-1.608 χ²/NDF:354553.4/23
Right Out: 9352.503+/-2.442 χ²/NDF: 301779.3/18
Left In: 9920.353+/-1.671 χ²/NDF:387395.4/21
Left: 9878.203+/-1.159 χ²/NDF: 743175.2/45
Right: 9490.167+/-1.769 χ²/NDF: 588120.8/34
In: 9837.480+/-1.400 χ²/NDF:675315.5/37
Out: 9691.928+/-1.343 χ²/NDF:684028.2/42
All: 9761.694+/-0.969 χ²/NDF: 1364972.1/80

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.938+/-0.244 χ^2/NDF:97.7/23

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: 1.093+/-0.177 χ^2/NDF: 198.4/45

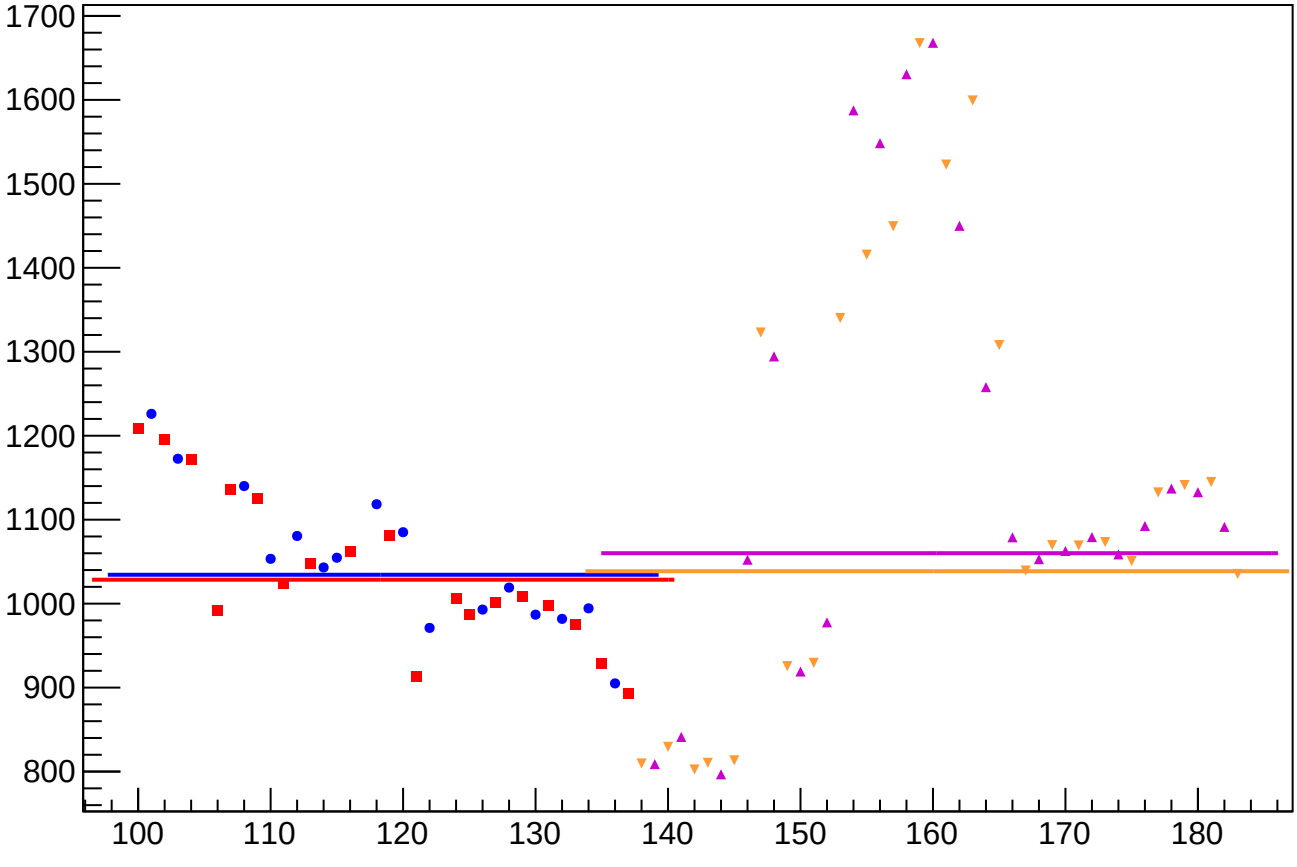
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -1.324+/-0.214 χ^2/NDF:405.9/37

Out: 0.151+/-0.205 χ^2/NDF:446.0/42

All: -0.556+/-0.148 χ^2/NDF: 876.7/80

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1038.608+/-0.173 χ^2/NDF:1706589.3/23

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: 1048.823+/-0.125 χ^2/NDF: 3237144.6/45

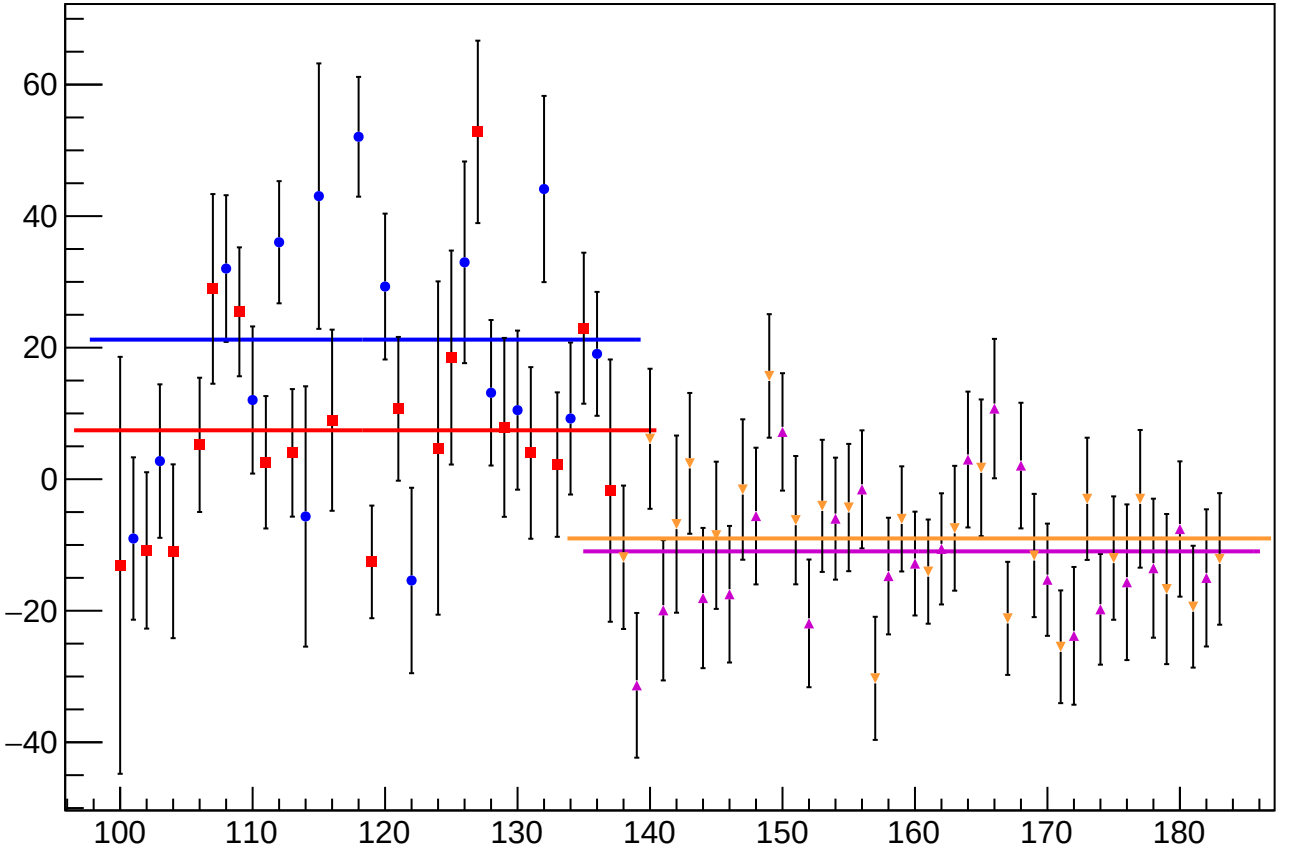
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1052.207+/-0.151 χ^2/NDF:1642634.0/37

Out: 1035.610+/-0.145 χ^2/NDF:1809228.4/42

All: 1043.563+/-0.105 χ^2/NDF: 3458145.0/80

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -9.006+/-1.984 χ^2/NDF:26.5/23

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: -9.953+/-1.430 χ^2/NDF: 50.4/45

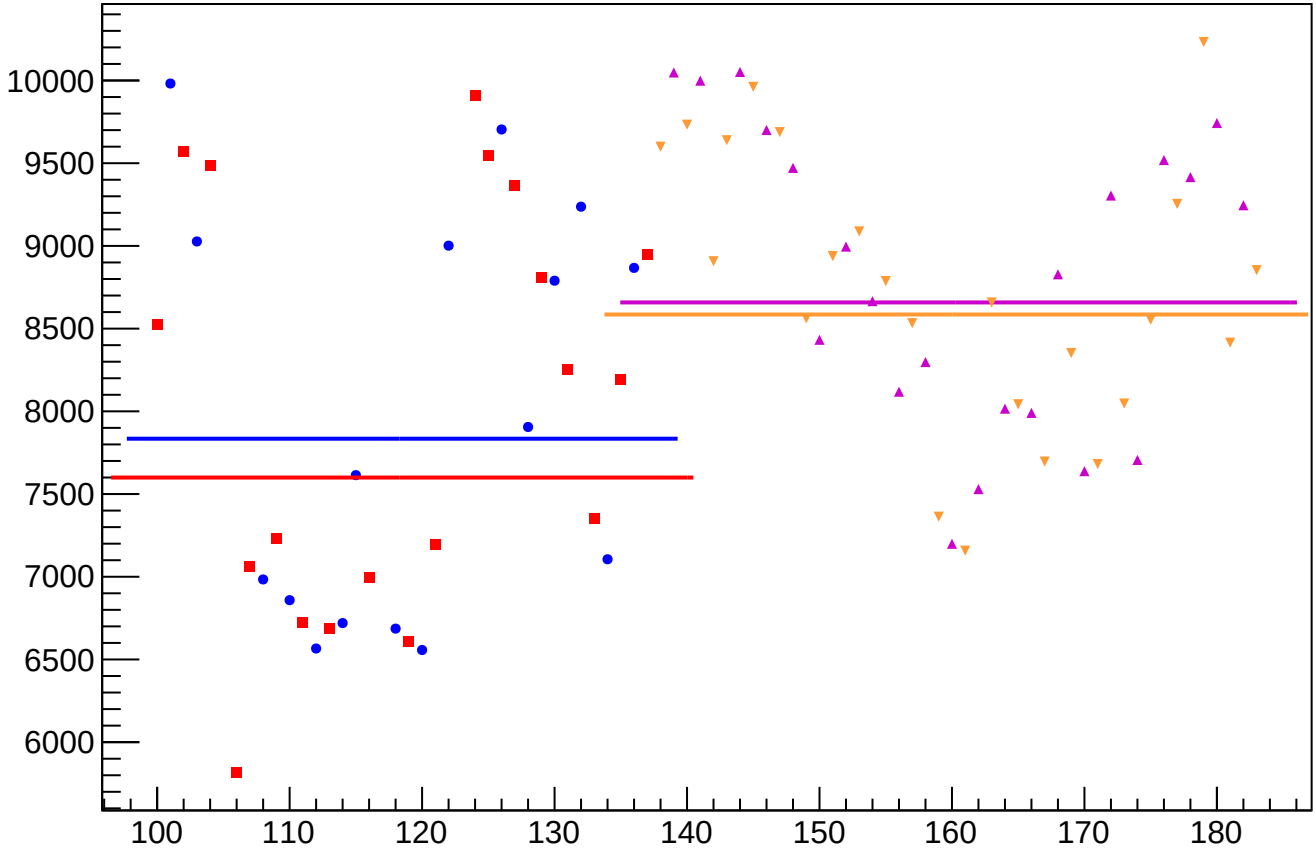
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: -0.419+/-1.690 χ^2/NDF:143.5/37

Out: -3.536+/-1.621 χ^2/NDF:79.1/42

All: -2.042+/-1.170 χ^2/NDF: 224.4/80

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8585.475+/-1.403 χ^2/NDF:342042.6/23

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: 8620.512+/-1.011 χ^2/NDF: 719155.4/45

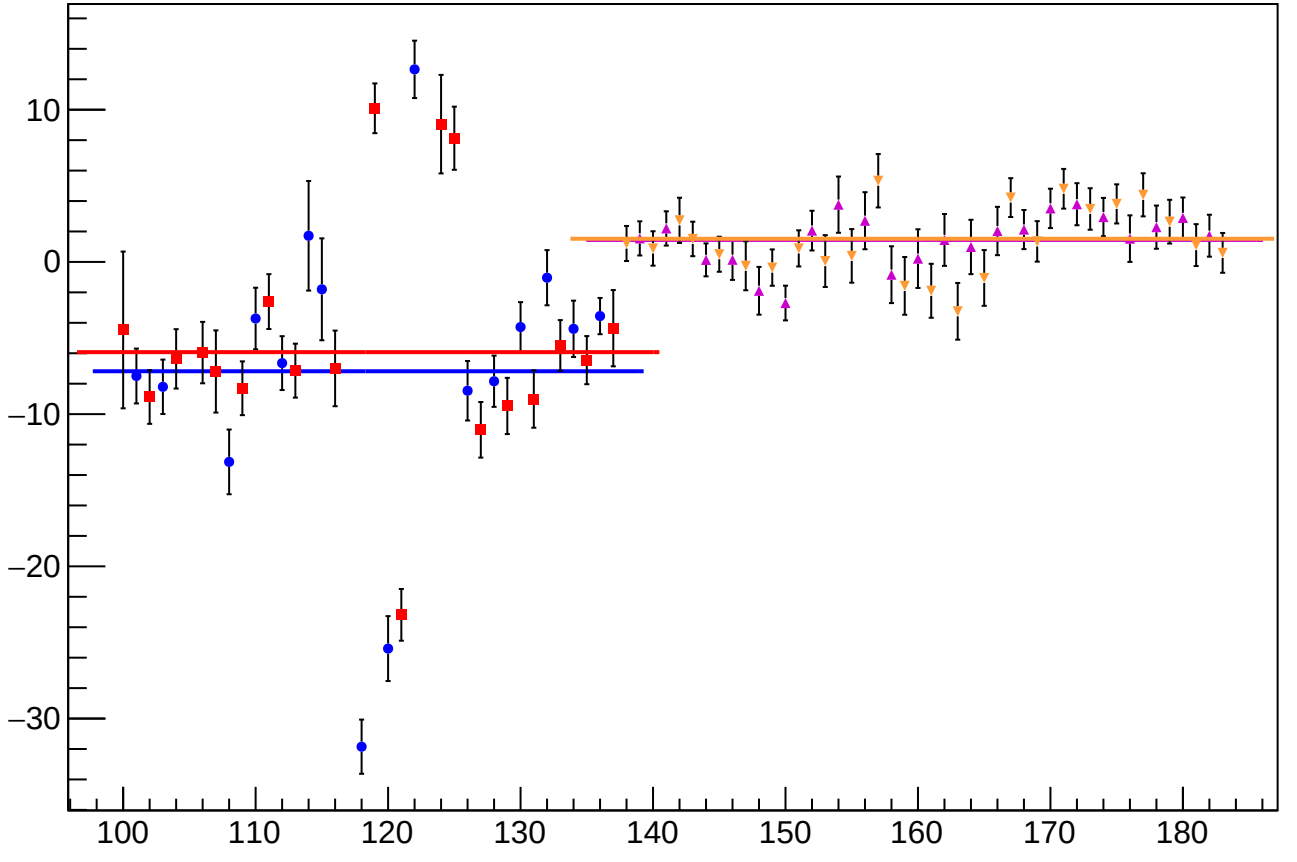
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8388.271+/-1.195 χ^2/NDF:798587.5/37

Out: 8257.538+/-1.146 χ^2/NDF:850536.9/42

All: 8320.173+/-0.827 χ^2/NDF: 1655357.3/80

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.523+/-0.283 χ^2/NDF:48.1/23

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.445+/-0.297 χ^2/NDF:33.7/21

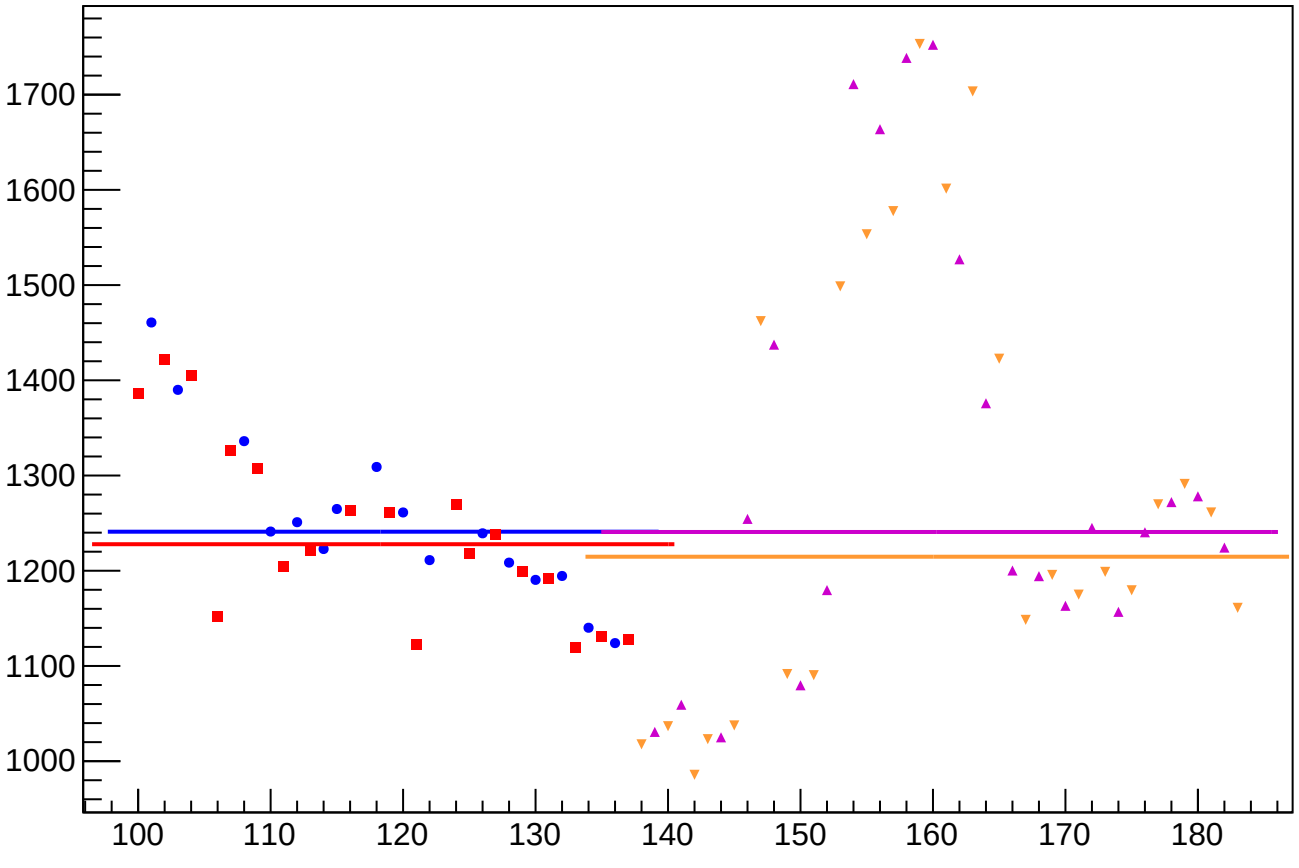
Left: 1.486+/-0.205 χ^2/NDF: 81.8/45

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

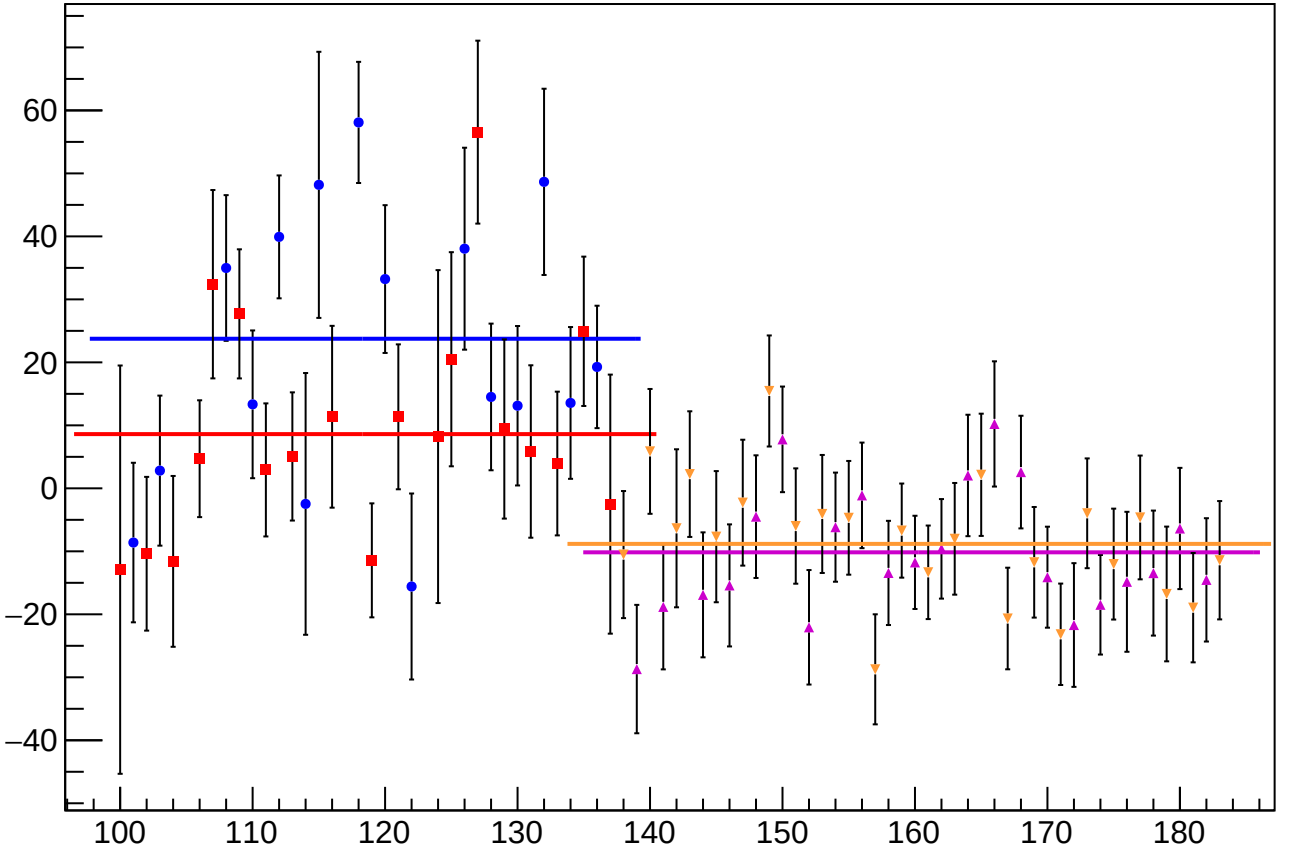
In: -1.077+/-0.250 χ^2/NDF:702.4/37

Out: -0.592+/-0.239 χ^2/NDF:535.4/42

All: -0.824+/-0.173 χ^2/NDF: 1239.8/80


diff_bpm0l08Y_rms vs Slug, Sign Corrected
1700
1600
1500
1400
1300
1200
1100
1000
100
110
120
130
140
150
160
170
180
Right In: 1241.007+/-0.327 χ²/NDF: 80653.5/15
Left Out: 1214.728+/-0.200 χ²/NDF:1009435.7/23
Right Out: 1227.864+/-0.318 χ²/NDF: 82339.2/18
Left In: 1240.709+/-0.210 χ²/NDF:882801.7/21
Left: 1227.079+/-0.145 χ²/NDF: 1900260.2/45
Right: 1234.245+/-0.228 χ²/NDF: 163824.2/34
In: 1240.796+/-0.177 χ²/NDF:963455.8/37
Out: 1218.458+/-0.169 χ²/NDF:1092999.7/42
All: 1229.142+/-0.122 χ²/NDF: 2064789.1/80

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -8.819+/-1.856 χ^2/NDF:27.1/23

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -10.159+/-1.929 χ^2/NDF:24.3/21

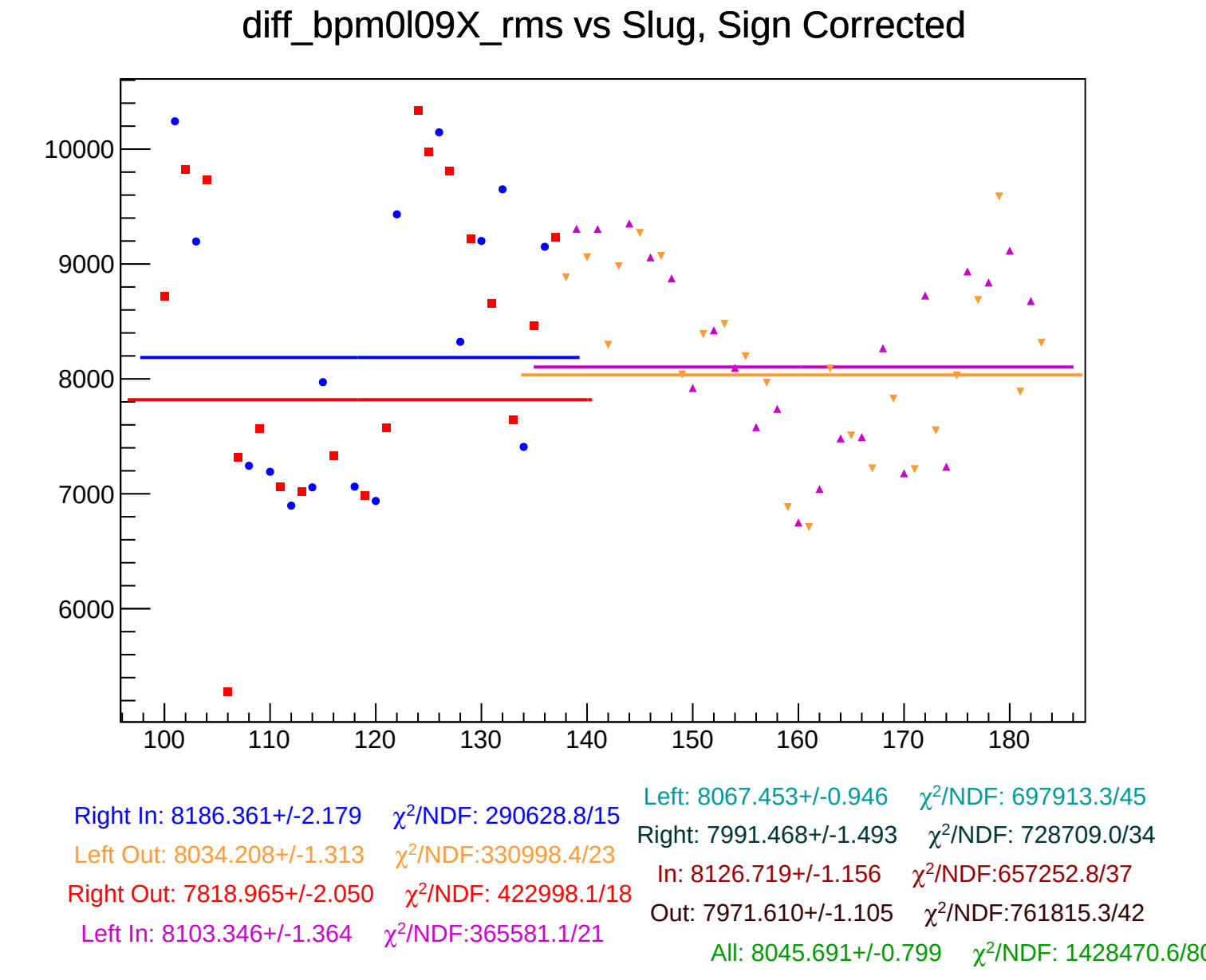
Left: -9.463+/-1.338 χ^2/NDF: 51.6/45

Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

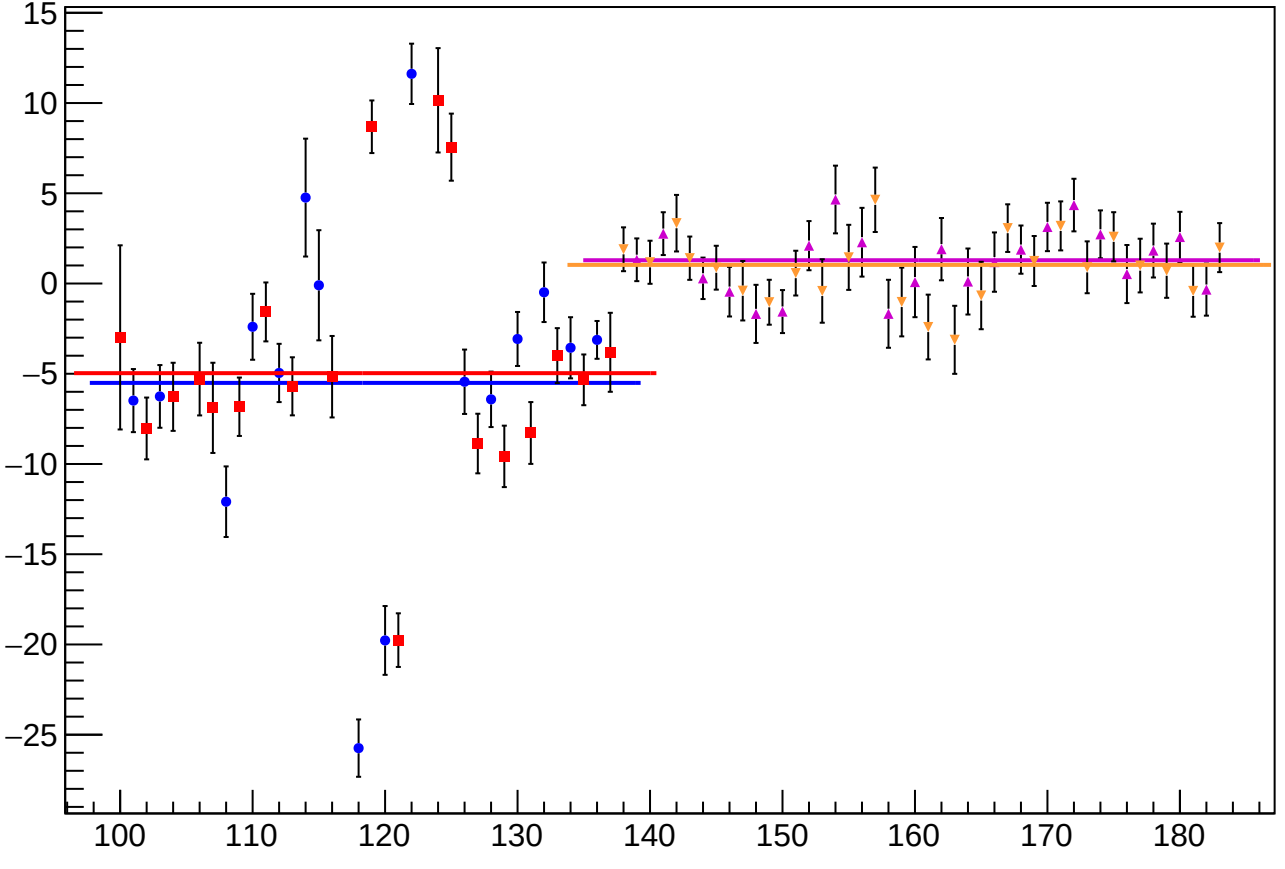
In: -0.612+/-1.635 χ^2/NDF:154.7/37

Out: -3.750+/-1.563 χ^2/NDF:83.2/42

All: -2.251+/-1.130 χ^2/NDF: 239.8/80


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: 8034.208+/-1.313 χ²/NDF:330998.4/23
Right Out: 7818.965+/-2.050 χ²/NDF: 422998.1/18
Left In: 8103.346+/-1.364 χ²/NDF:365581.1/21
Left: 8067.453+/-0.946 χ²/NDF: 697913.3/45
Right: 7991.468+/-1.493 χ²/NDF: 728709.0/34
In: 8126.719+/-1.156 χ²/NDF:657252.8/37
Out: 7971.610+/-1.105 χ²/NDF:761815.3/42
All: 8045.691+/-0.799 χ²/NDF: 1428470.6/80

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.032+/-0.295 χ^2/NDF:29.6/23

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: 1.155+/-0.213 χ^2/NDF: 60.4/45

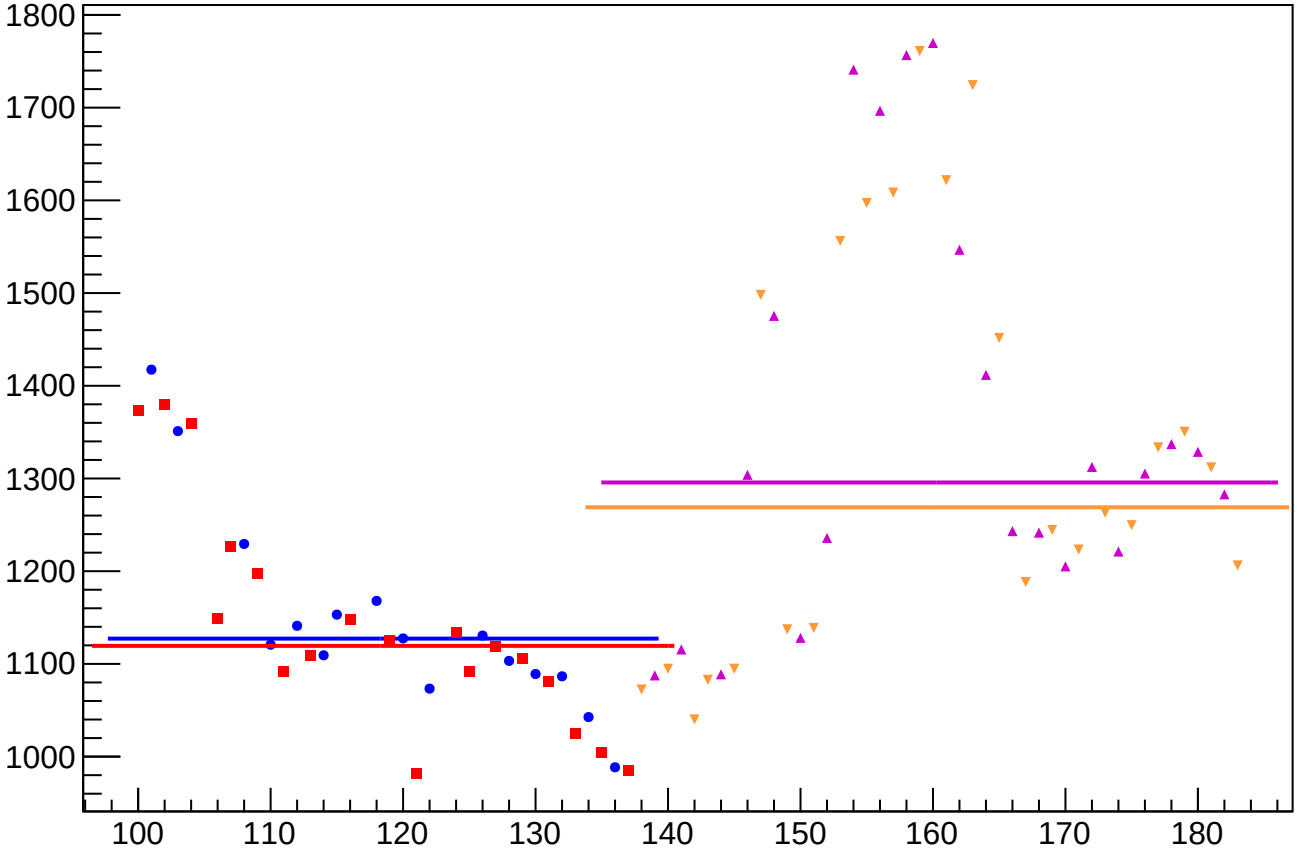
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -1.096+/-0.249 χ^2/NDF:569.4/37

Out: -1.010+/-0.239 χ^2/NDF:457.9/42

All: -1.051+/-0.173 χ^2/NDF: 1027.4/80

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1268.952+/-0.208 χ^2/NDF:875013.6/23

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: 1281.667+/-0.151 χ^2/NDF: 1638177.9/45

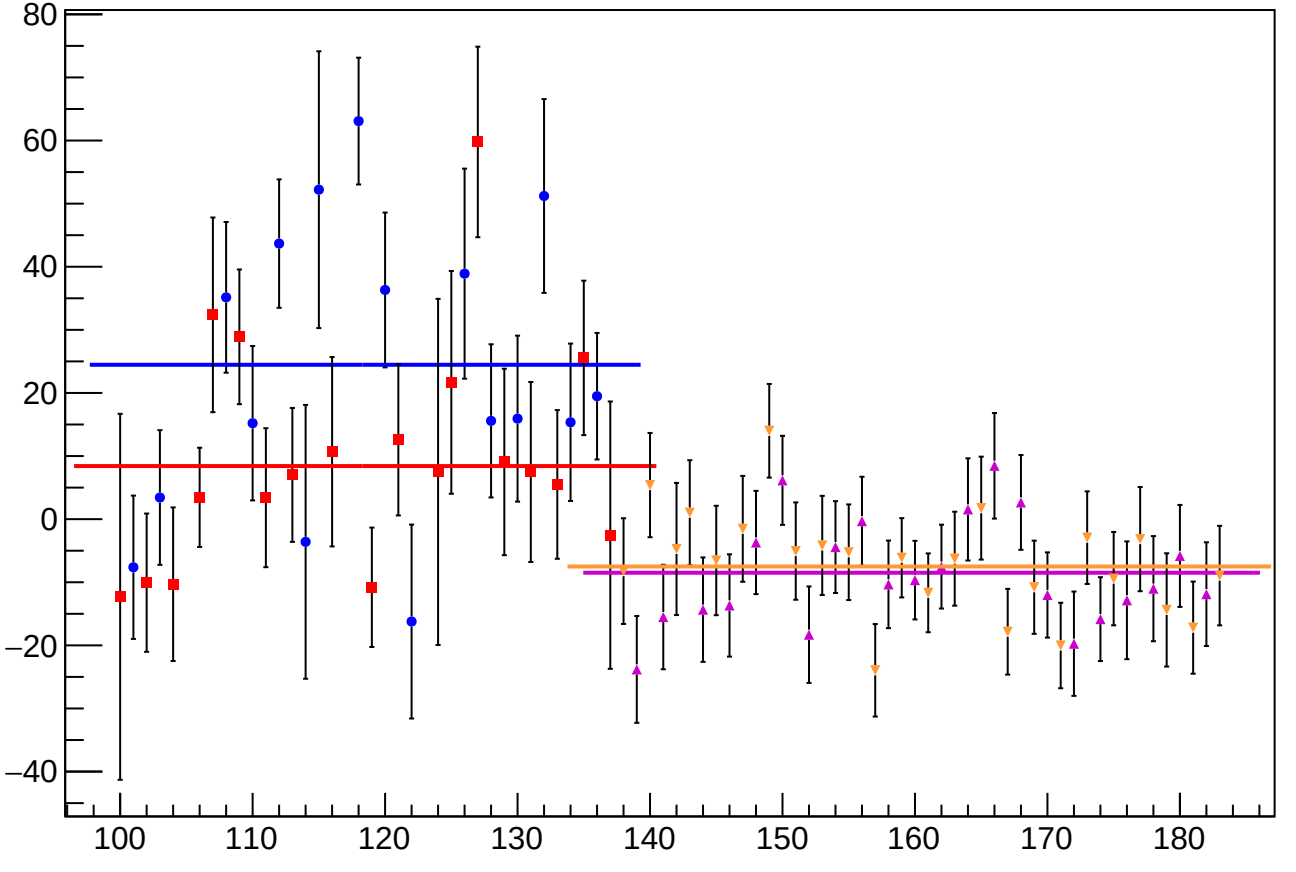
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1236.578+/-0.176 χ^2/NDF:1103751.0/37

Out: 1218.078+/-0.169 χ^2/NDF:1190824.1/42

All: 1226.951+/-0.122 χ^2/NDF: 2300303.6/80

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -7.505+/-1.558 χ^2/NDF:28.7/23

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: -7.978+/-1.123 χ^2/NDF: 53.7/45

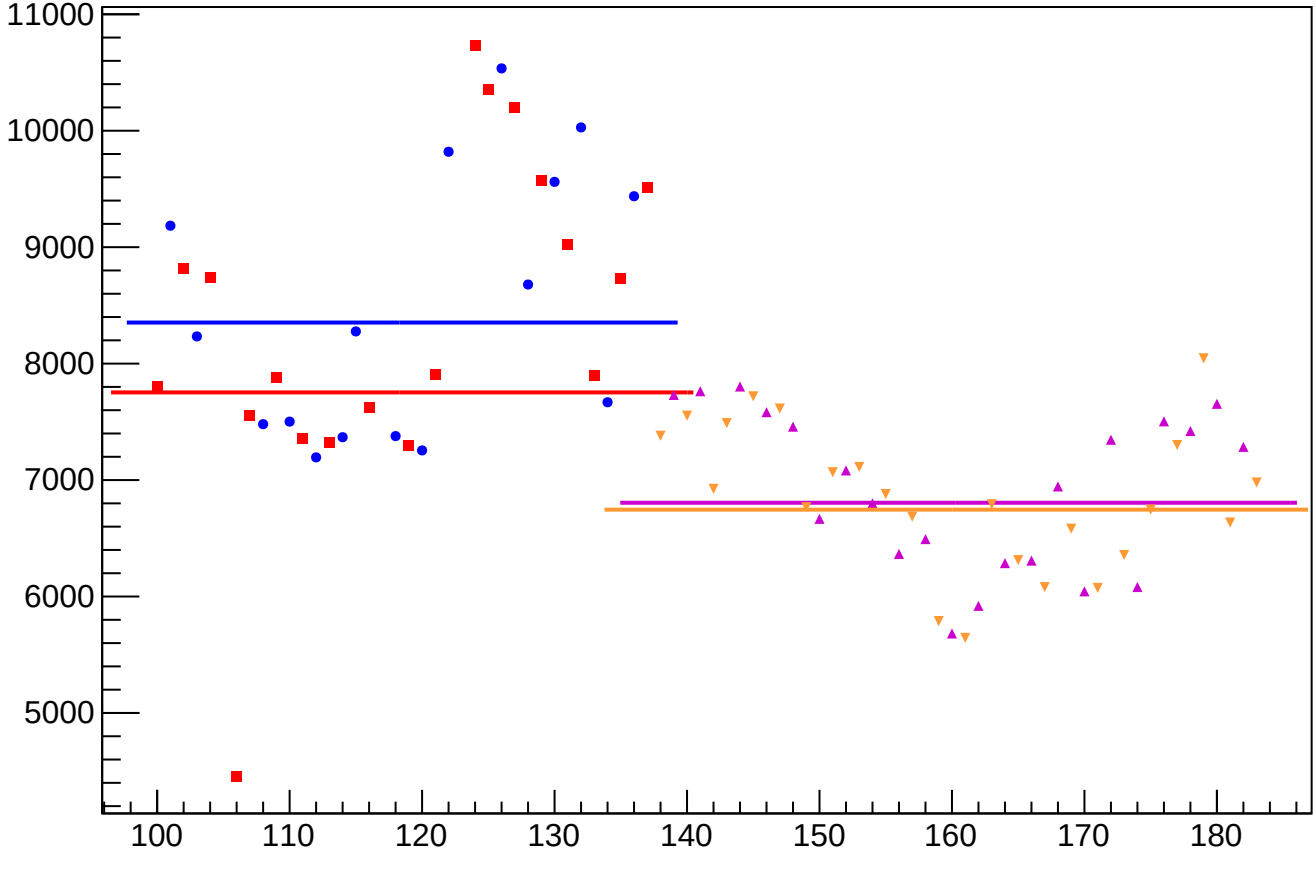
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: -1.552+/-1.439 χ^2/NDF:160.2/37

Out: -3.921+/-1.372 χ^2/NDF:83.4/42

All: -2.793+/-0.993 χ^2/NDF: 245.0/80

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6745.952+/-1.102 χ^2/NDF:315273.0/23

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: 6774.456+/-0.794 χ^2/NDF: 668060.3/45

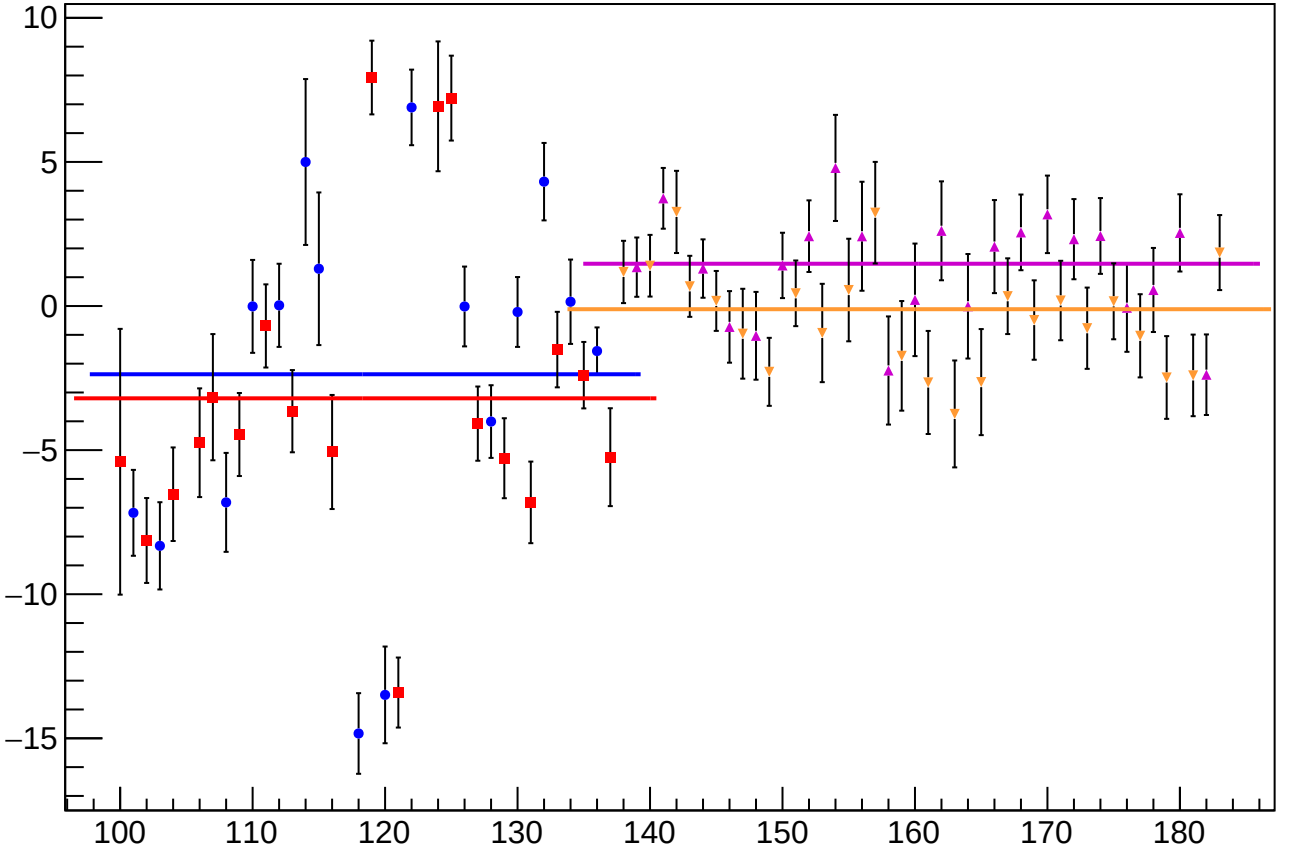
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7131.040+/-1.018 χ^2/NDF:956261.5/37

Out: 6972.616+/-0.970 χ^2/NDF:1091270.8/42

All: 7048.041+/-0.702 χ^2/NDF: 2060232.8/80

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: -0.110+/-0.279 χ^2/NDF:34.6/23

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: 0.640+/-0.202 χ^2/NDF: 82.8/45

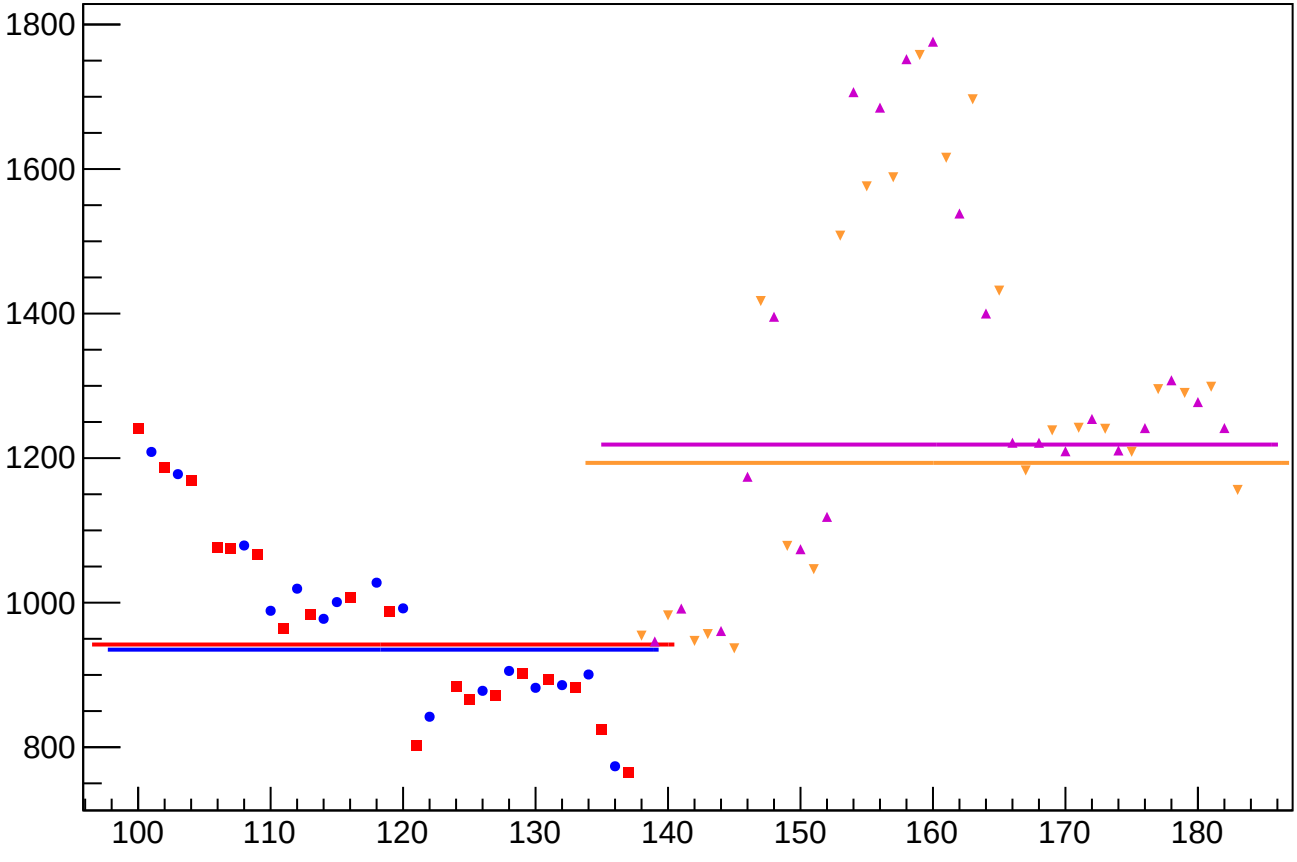
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.109+/-0.225 χ^2/NDF:359.1/37

Out: -1.326+/-0.217 χ^2/NDF:333.5/42

All: -0.738+/-0.156 χ^2/NDF: 707.7/80

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1193.422+/-0.197 χ^2/NDF:1318988.1/23

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1218.757+/-0.207 χ^2/NDF:1127260.8/21

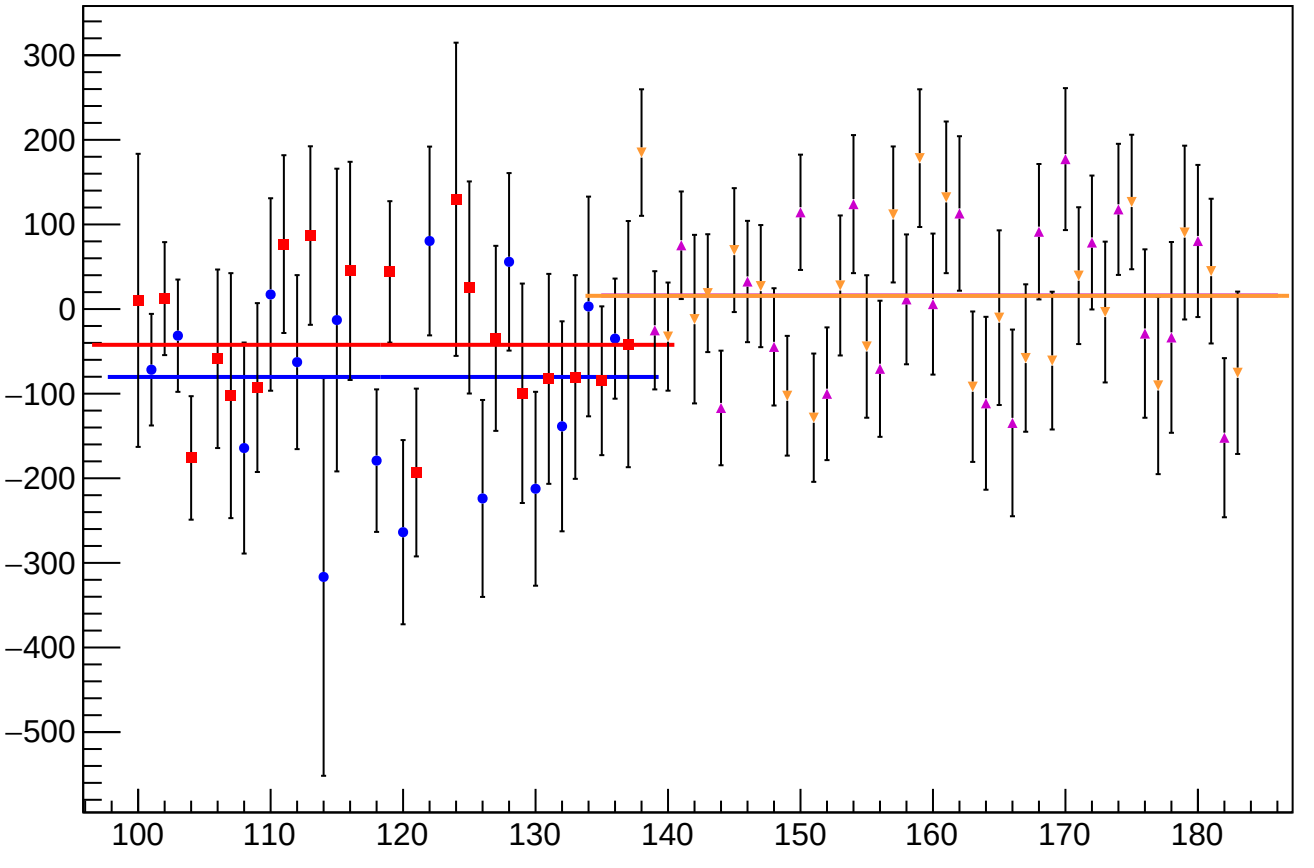
Left: 1205.472+/-0.143 χ^2/NDF: 2454101.4/45

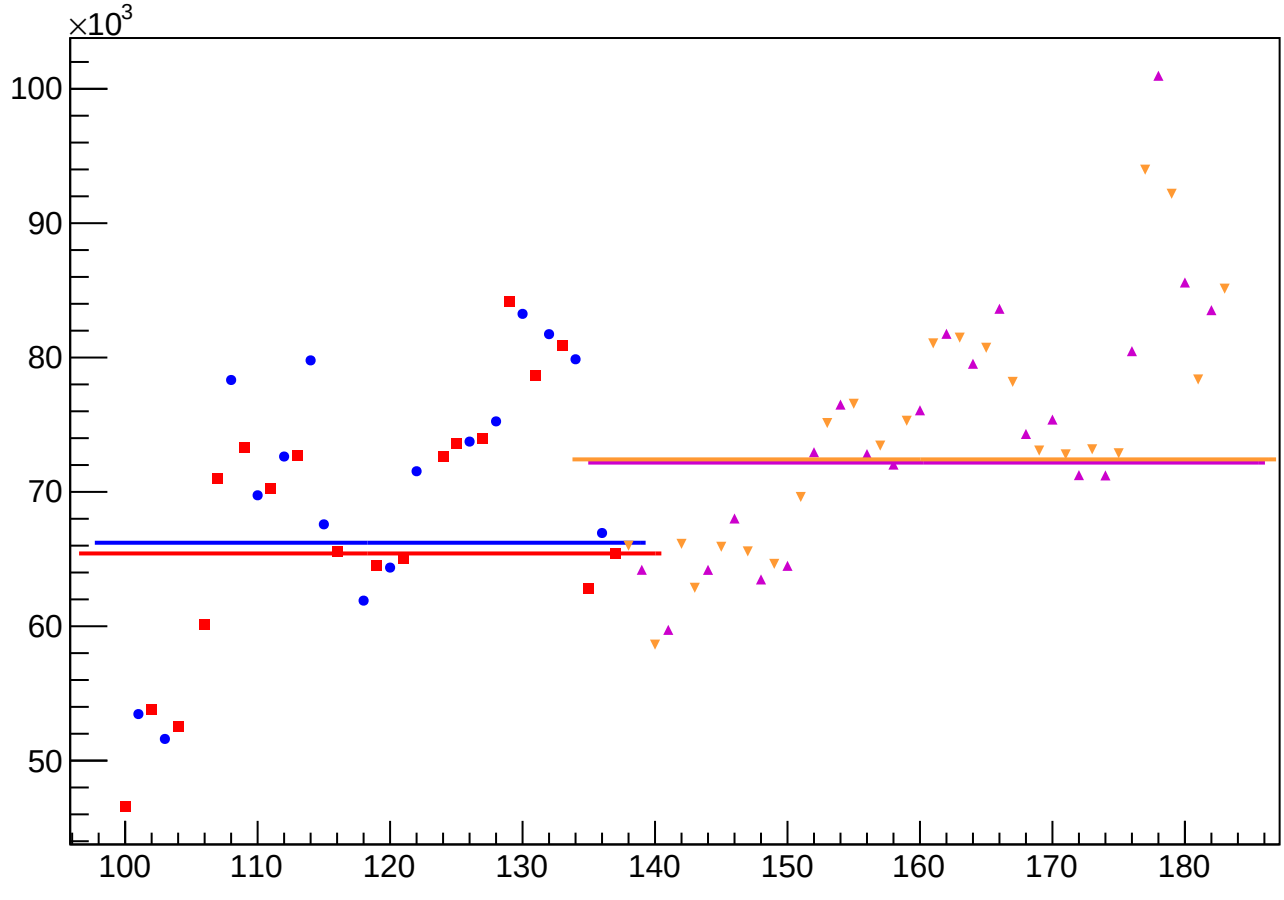
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1102.099+/-0.159 χ^2/NDF:2153949.3/37

Out: 1094.587+/-0.154 χ^2/NDF:2190350.0/42

All: 1098.216+/-0.110 χ^2/NDF: 4345454.7/80


diff_bpm0r03X_mean vs Slug, Sign Corrected
300
200
100
0
−100
−200
−300
−400
−500
100
110
120
130
140
150
160
170
180
Right In: -80.250+/-24.909 χ²/NDF: 14.8/15
Left Out: 15.654+/-16.691 χ²/NDF:28.2/23
Right Out: -42.263+/-24.144 χ²/NDF: 13.0/18
Left In: 16.026+/-17.129 χ²/NDF:28.7/21
Left: 15.835+/-11.954 χ²/NDF: 56.8/45
Right: -60.665+/-17.337 χ²/NDF: 29.0/34
In: -14.885+/-14.114 χ²/NDF:53.6/37
Out: -3.074+/-13.729 χ²/NDF:45.0/42
All: -8.816+/-9.841 χ²/NDF: 99.0/80



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 72419.951+/-11.802 χ^2/NDF:488822.9/23

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: 72303.465+/-8.453 χ^2/NDF: 970255.3/45

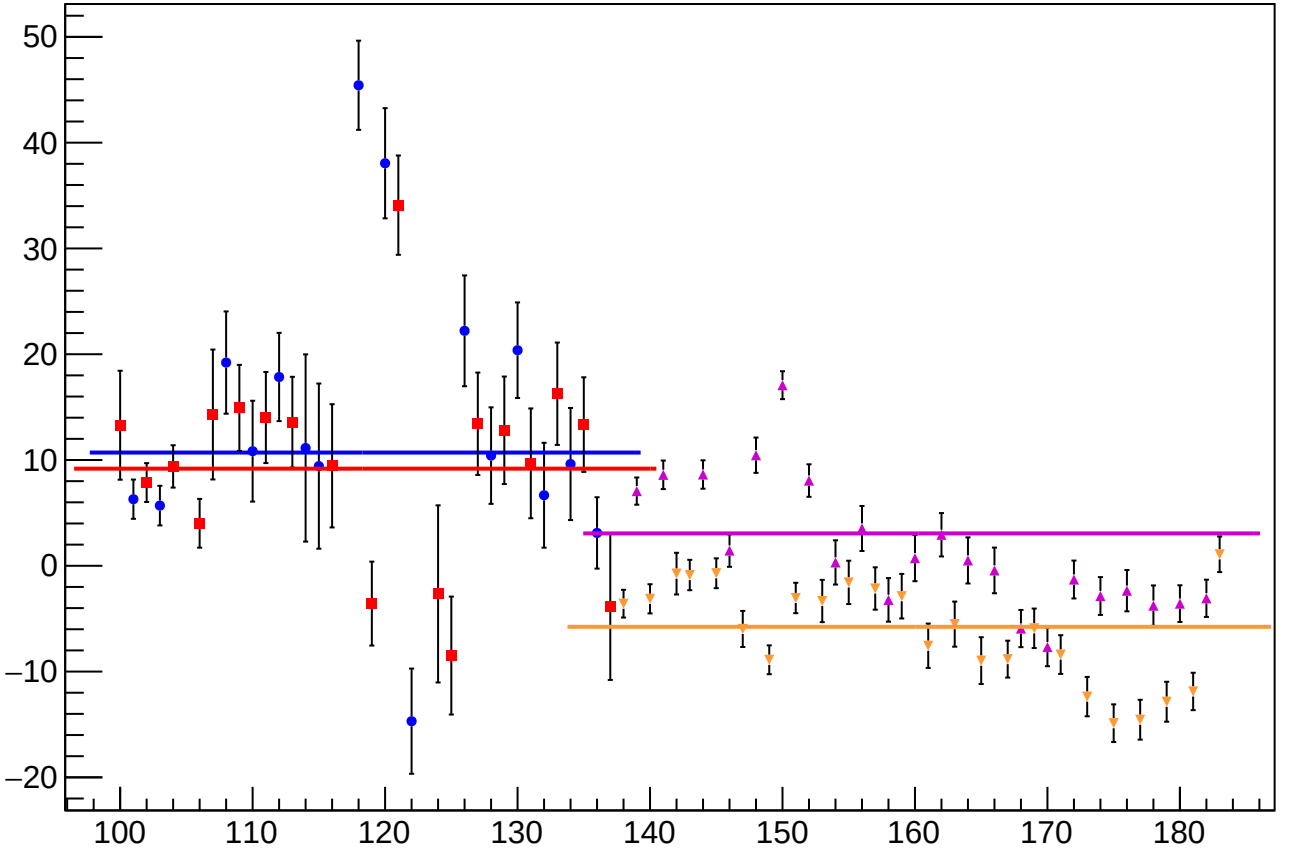
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 70265.744+/-9.980 χ^2/NDF:897470.9/37

Out: 70156.052+/-9.708 χ^2/NDF:907176.0/42

All: 70209.383+/-6.959 χ^2/NDF: 1804709.0/8

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -5.769+/-0.352 χ^2/NDF:168.3/23

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: -1.523+/-0.253 χ^2/NDF: 801.1/45

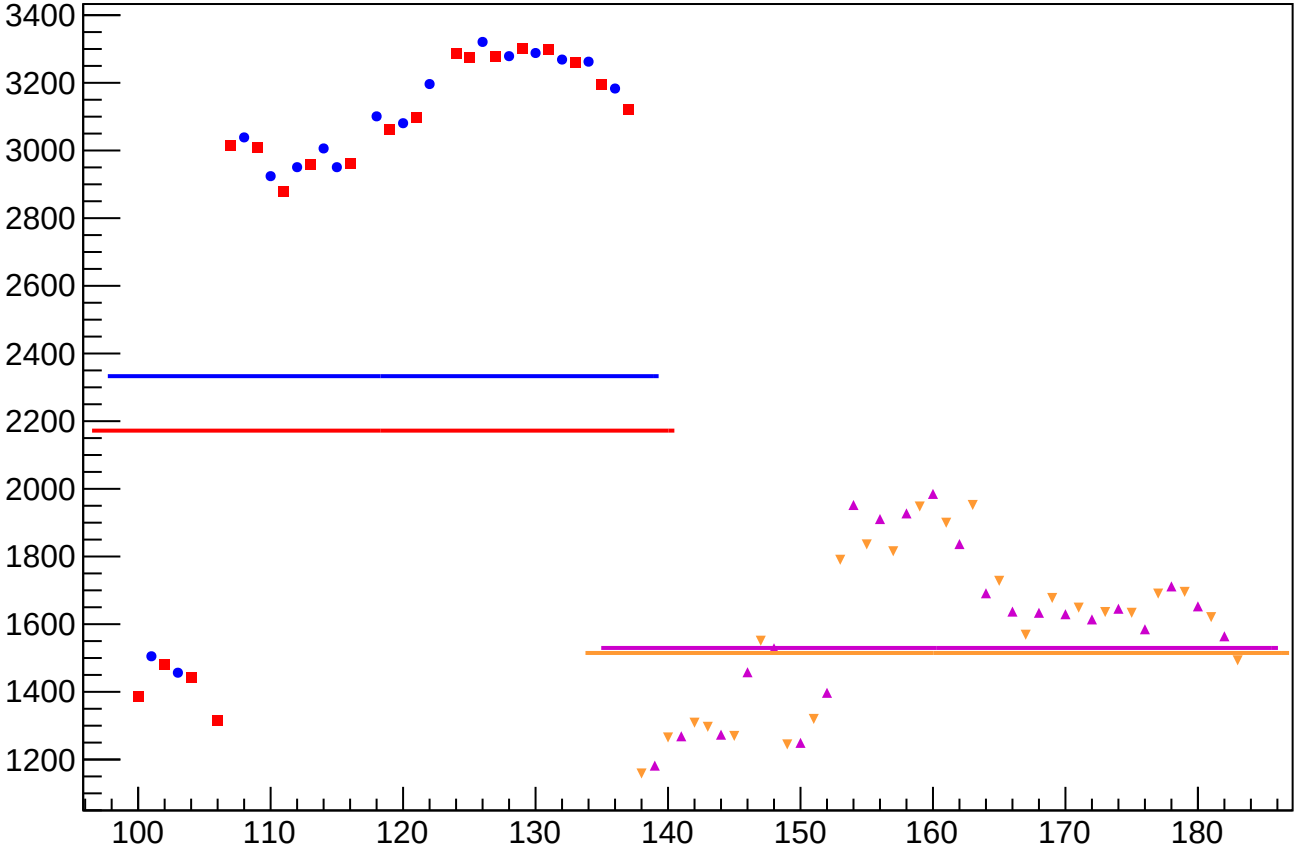
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 4.102+/-0.340 χ^2/NDF:544.7/37

Out: -3.585+/-0.325 χ^2/NDF:502.0/42

All: 0.088+/-0.235 χ^2/NDF: 1314.2/80

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1514.901+/-0.249 χ^2/NDF:932973.0/23

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: 1522.040+/-0.179 χ^2/NDF: 1763158.0/45

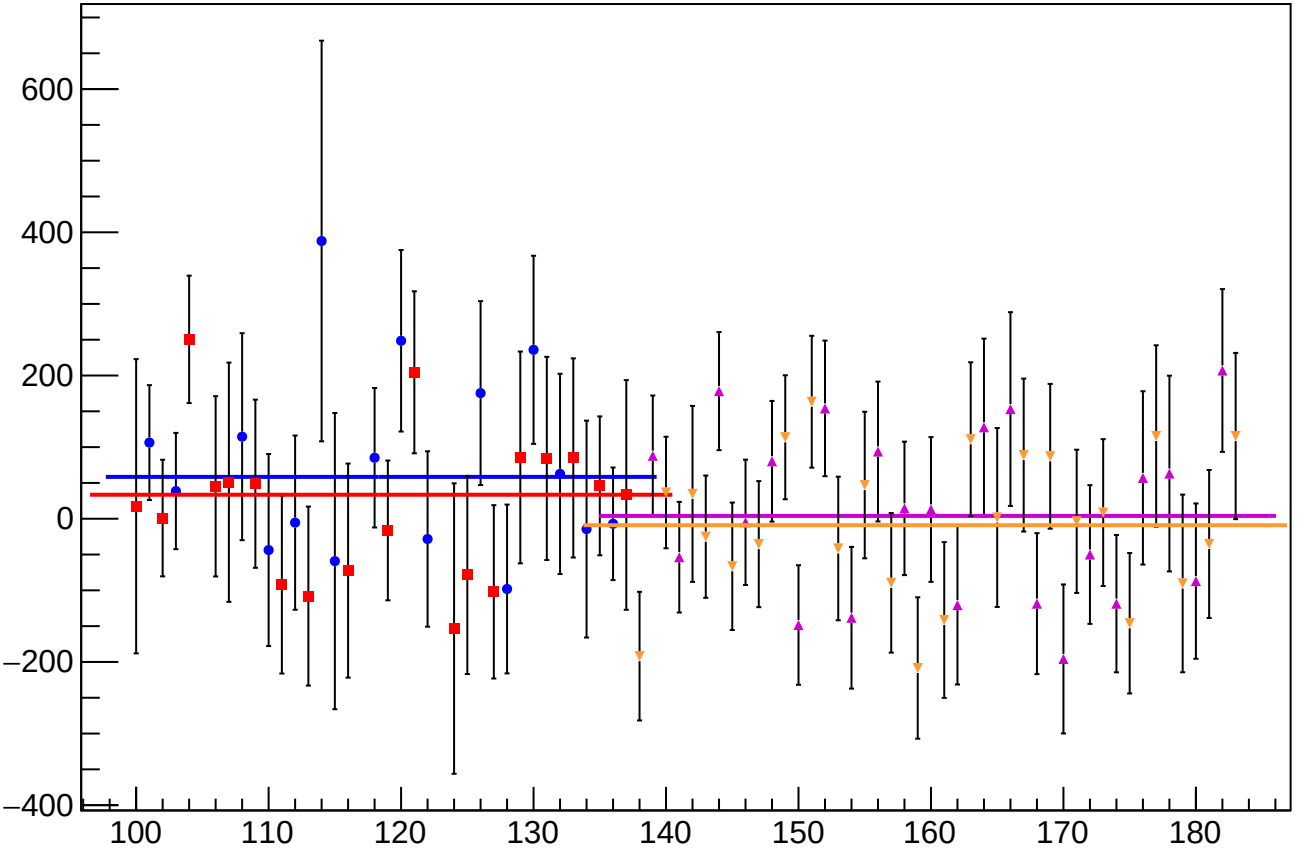
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1639.064+/-0.240 χ^2/NDF:3795499.4/37

Out: 1610.883+/-0.230 χ^2/NDF:3937635.2/42

All: 1624.351+/-0.166 χ^2/NDF: 7740325.5/80

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -9.052+/-20.342 χ^2/NDF:24.9/23

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 3.948+/-20.857 χ^2/NDF:30.6/21

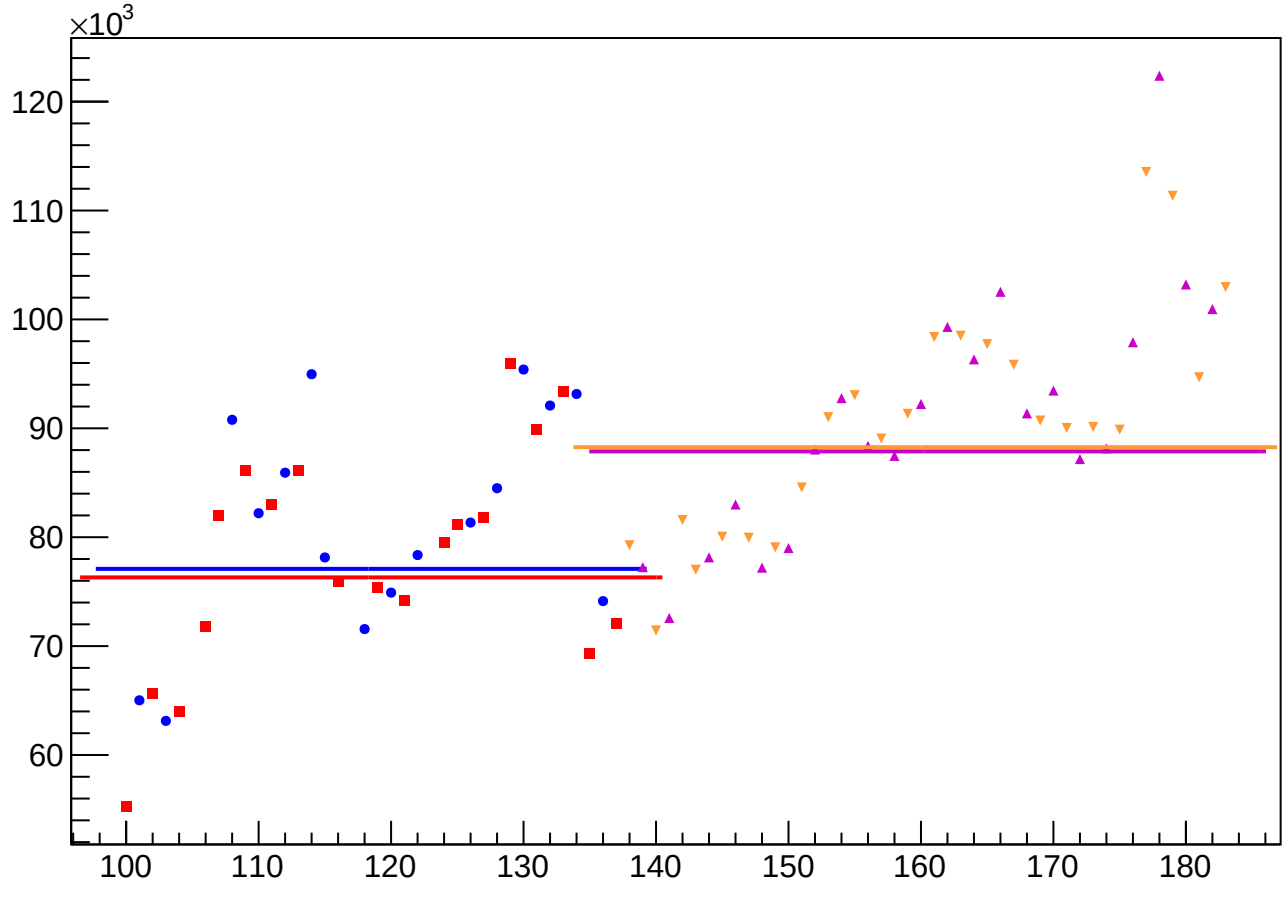
Left: -2.714+/-14.562 χ^2/NDF: 55.7/45

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 22.597+/-16.916 χ^2/NDF:44.2/37

Out: 5.583+/-16.479 χ^2/NDF:41.1/42

All: 13.867+/-11.804 χ^2/NDF: 85.8/80



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 88270.277+/-14.384 χ^2/NDF:471390.8/23

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: 88081.174+/-10.297 χ^2/NDF: 949549.4/45

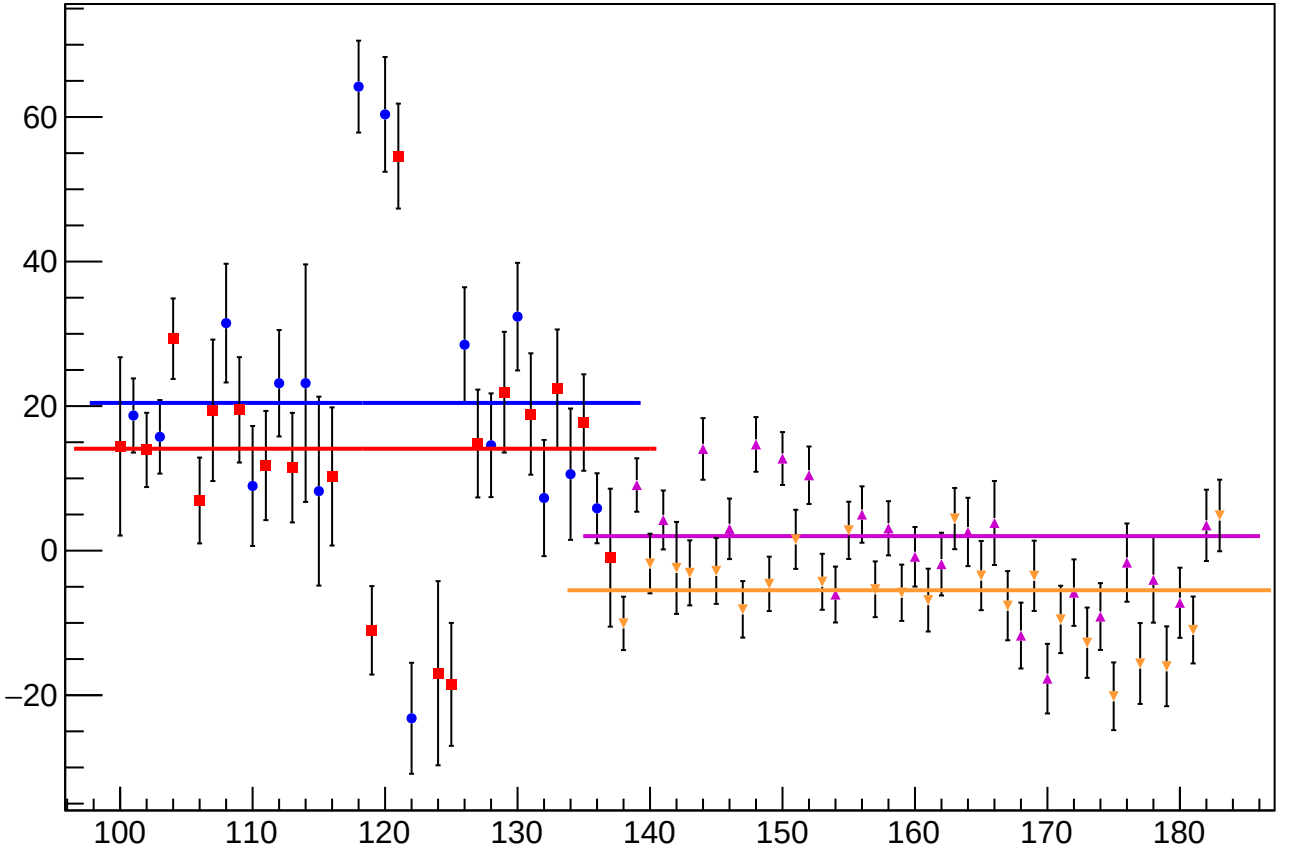
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 84190.409+/-11.961 χ^2/NDF:909489.3/37

Out: 84158.380+/-11.652 χ^2/NDF:943554.2/42

All: 84173.975+/-8.346 χ^2/NDF: 1853047.1/8

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.476+/-0.899 χ^2/NDF:42.8/23

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 2.013+/-0.923 χ^2/NDF:82.6/21

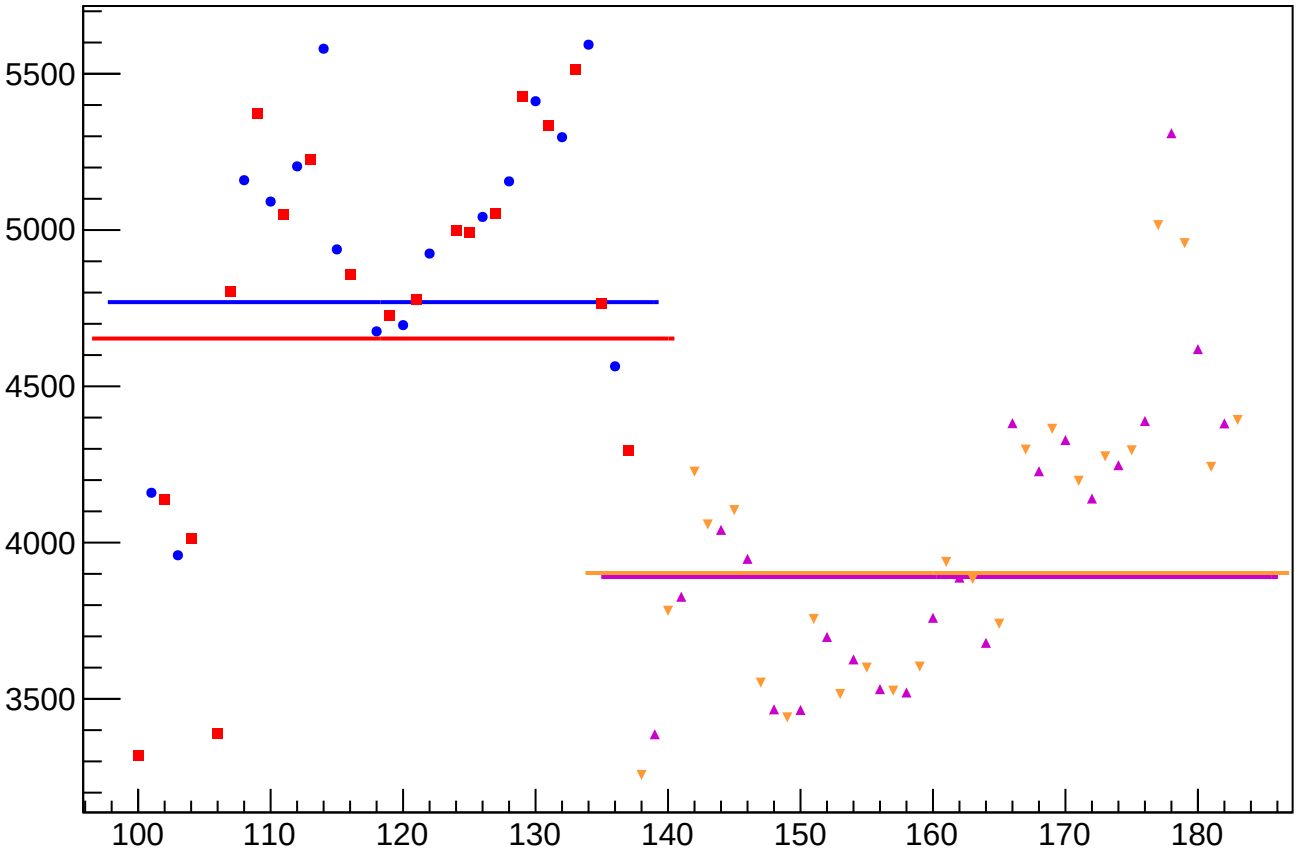
Left: -1.830+/-0.644 χ^2/NDF: 159.1/45

Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 5.908+/-0.819 χ^2/NDF:294.7/37

Out: -1.252+/-0.796 χ^2/NDF:228.9/42

All: 2.225+/-0.571 χ^2/NDF: 562.9/80



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3902.716+/-0.636 χ^2/NDF:436127.3/23

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: 3896.482+/-0.455 χ^2/NDF: 841603.7/45

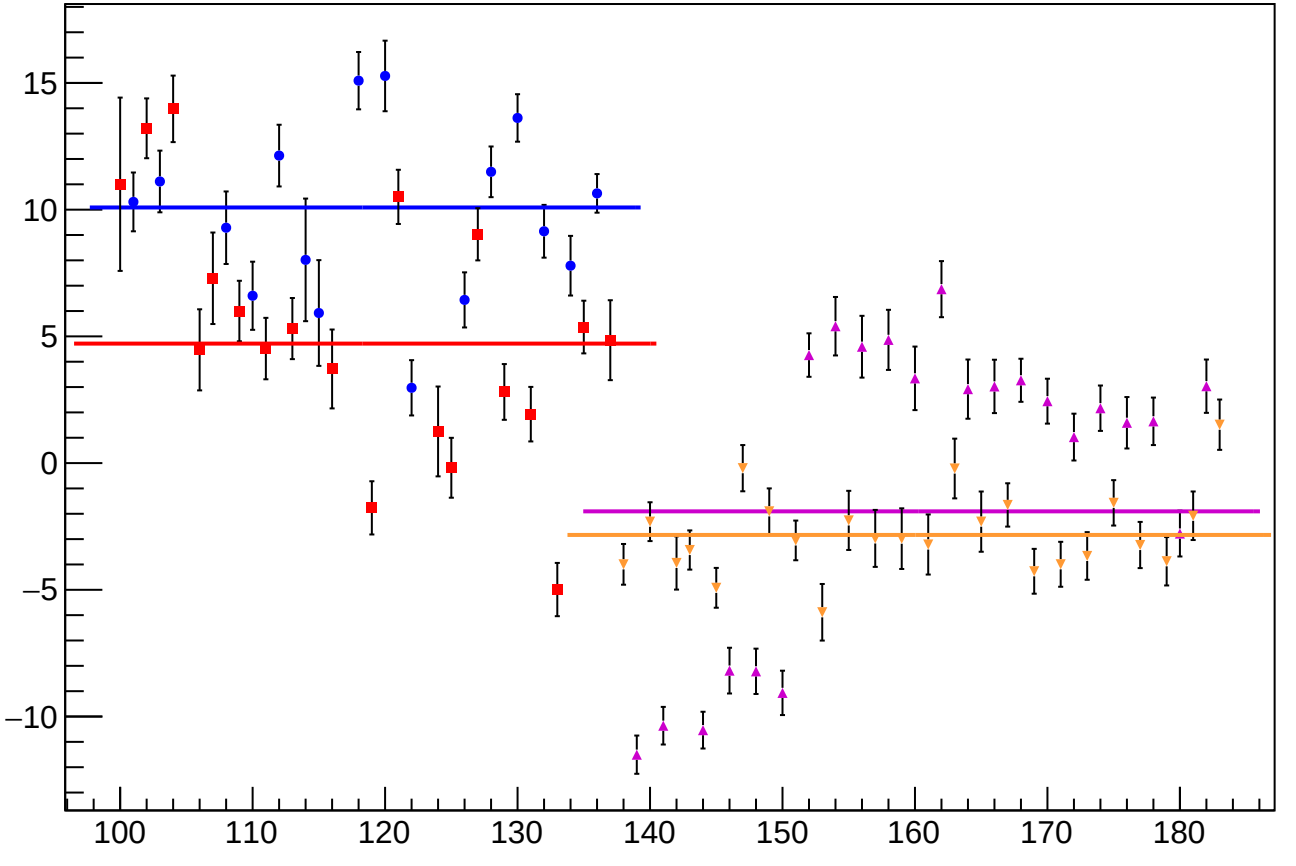
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4075.827+/-0.579 χ^2/NDF:941130.1/37

Out: 4064.581+/-0.563 χ^2/NDF:1001875.5/42

All: 4070.041+/-0.404 χ^2/NDF: 1943199.5/80

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -2.835+/-0.191 χ^2/NDF:64.0/23

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: -2.389+/-0.138 χ^2/NDF: 1087.0/45

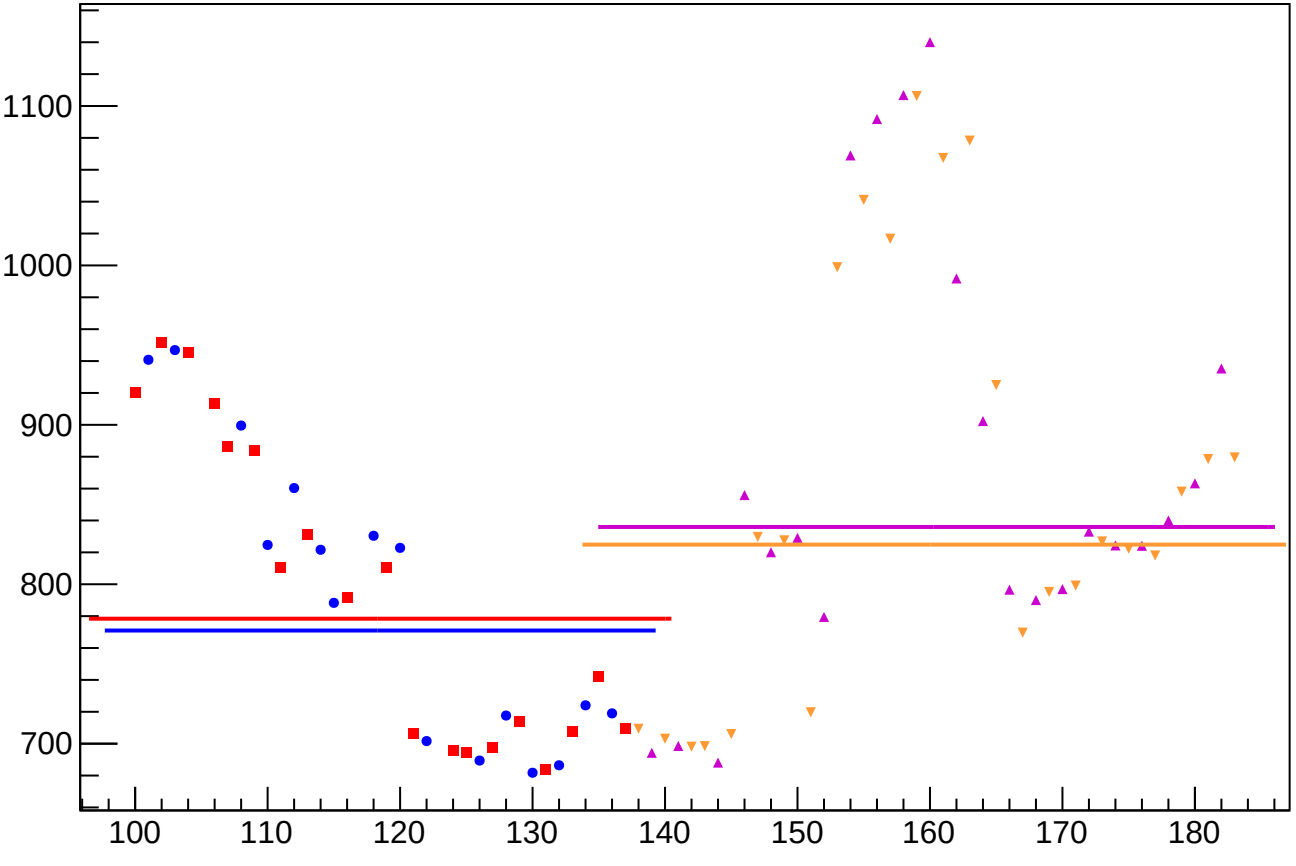
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 1.975+/-0.164 χ^2/NDF:2305.2/37

Out: -0.501+/-0.159 χ^2/NDF:856.5/42

All: 0.697+/-0.114 χ^2/NDF: 3279.3/80

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 824.873+/-0.135 χ^2/NDF:760035.9/23

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: 830.167+/-0.098 χ^2/NDF: 1466542.9/45

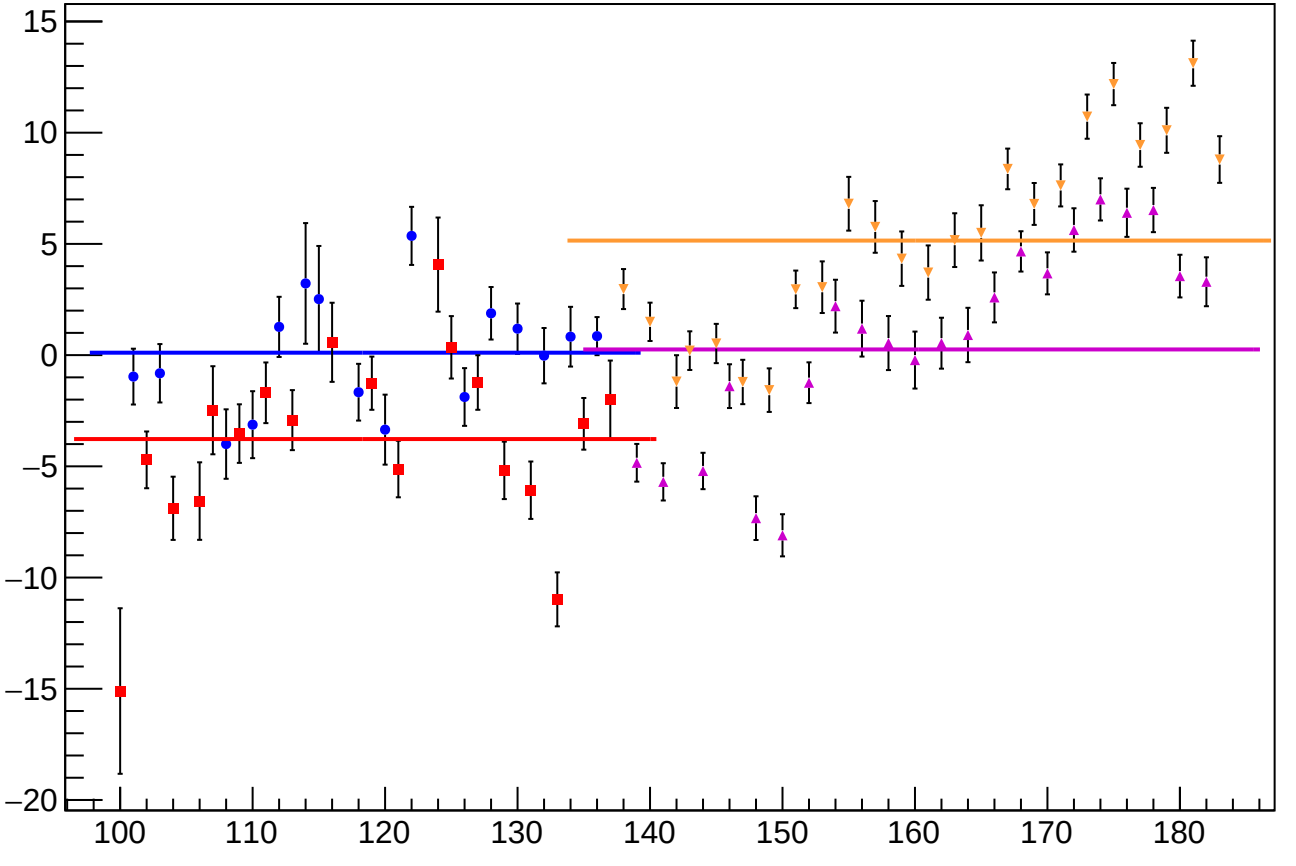
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 814.917+/-0.116 χ^2/NDF:964863.1/37

Out: 810.506+/-0.112 χ^2/NDF:993134.8/42

All: 812.641+/-0.081 χ^2/NDF: 1958744.2/80

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 5.149+/-0.206 χ^2/NDF:440.1/23

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: 2.801+/-0.148 χ^2/NDF: 1203.2/45

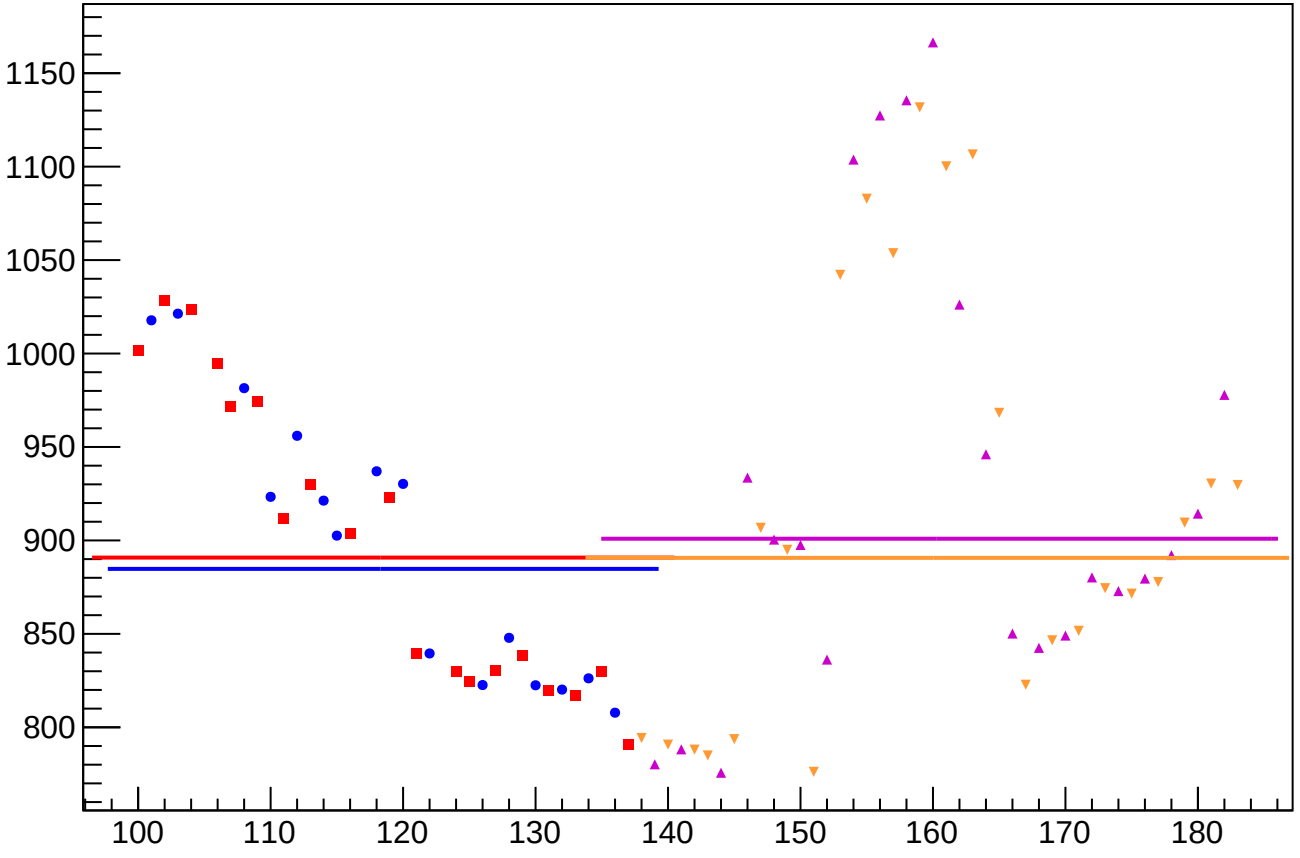
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: 0.212+/-0.180 χ^2/NDF:536.7/37

Out: 2.611+/-0.174 χ^2/NDF:1075.6/42

All: 1.450+/-0.125 χ^2/NDF: 1704.4/80

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 890.669+/-0.145 χ^2/NDF:515056.6/23

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: 895.580+/-0.105 χ^2/NDF: 996052.5/45

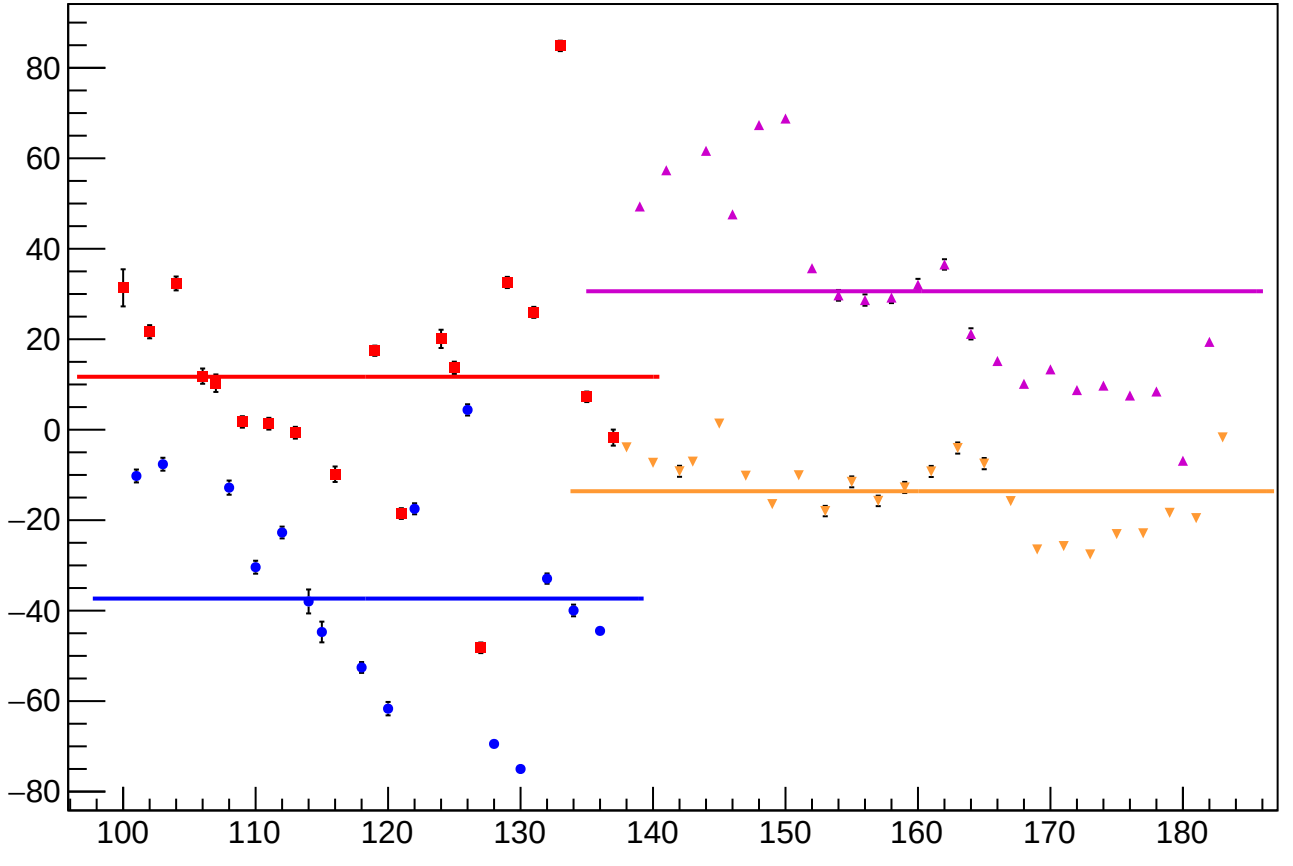
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 896.125+/-0.127 χ^2/NDF:586476.3/37

Out: 890.711+/-0.123 χ^2/NDF:622820.5/42

All: 893.331+/-0.088 χ^2/NDF: 1210235.0/80

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -13.600+/-0.207 χ^2/NDF:1599.7/23

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: 7.519+/-0.150 χ^2/NDF: 33734.1/45

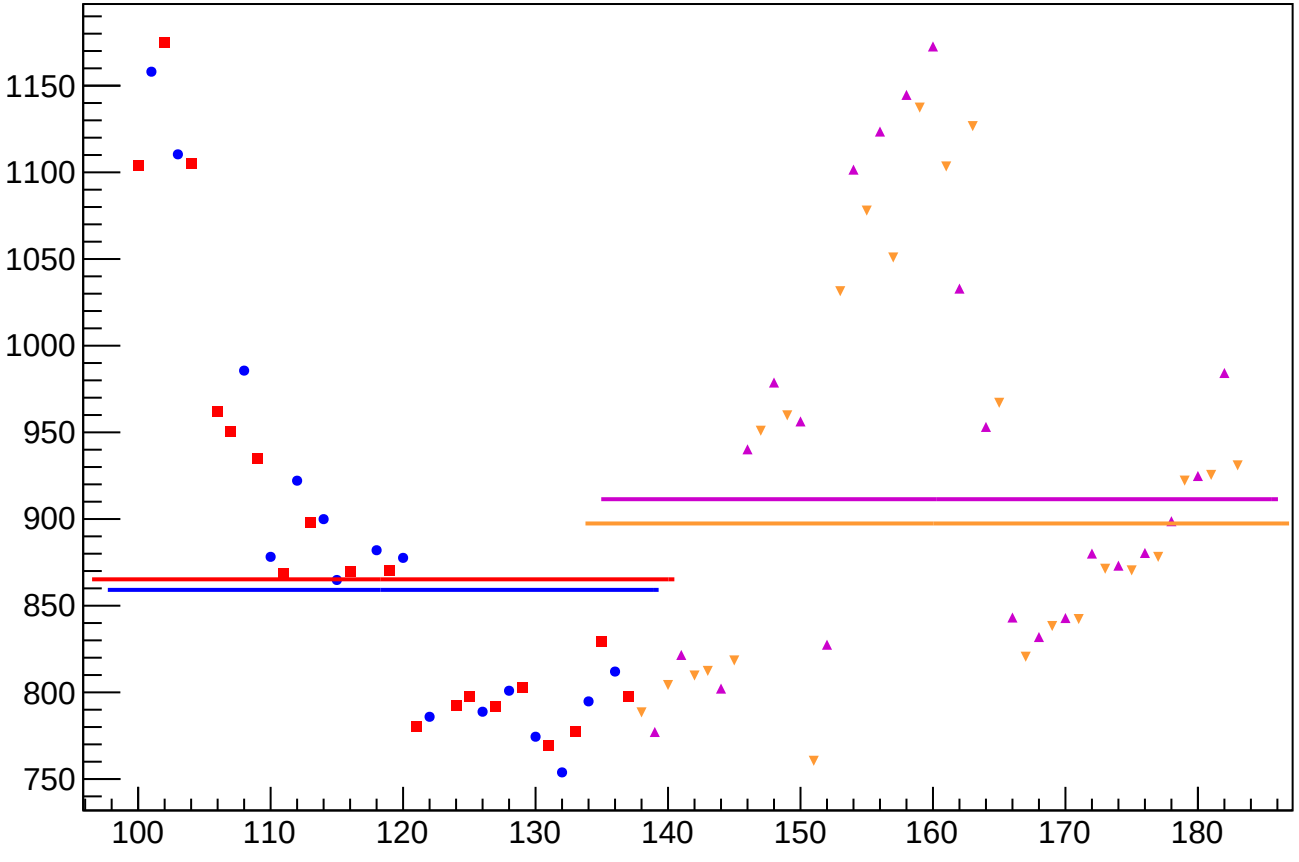
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.415+/-0.180 χ^2/NDF:46248.7/37

Out: -6.056+/-0.174 χ^2/NDF:14510.7/42

All: 1.412+/-0.125 χ^2/NDF: 64594.4/80

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 897.433+/-0.146 χ^2/NDF:515876.8/23

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: 904.123+/-0.106 χ^2/NDF: 994187.9/45

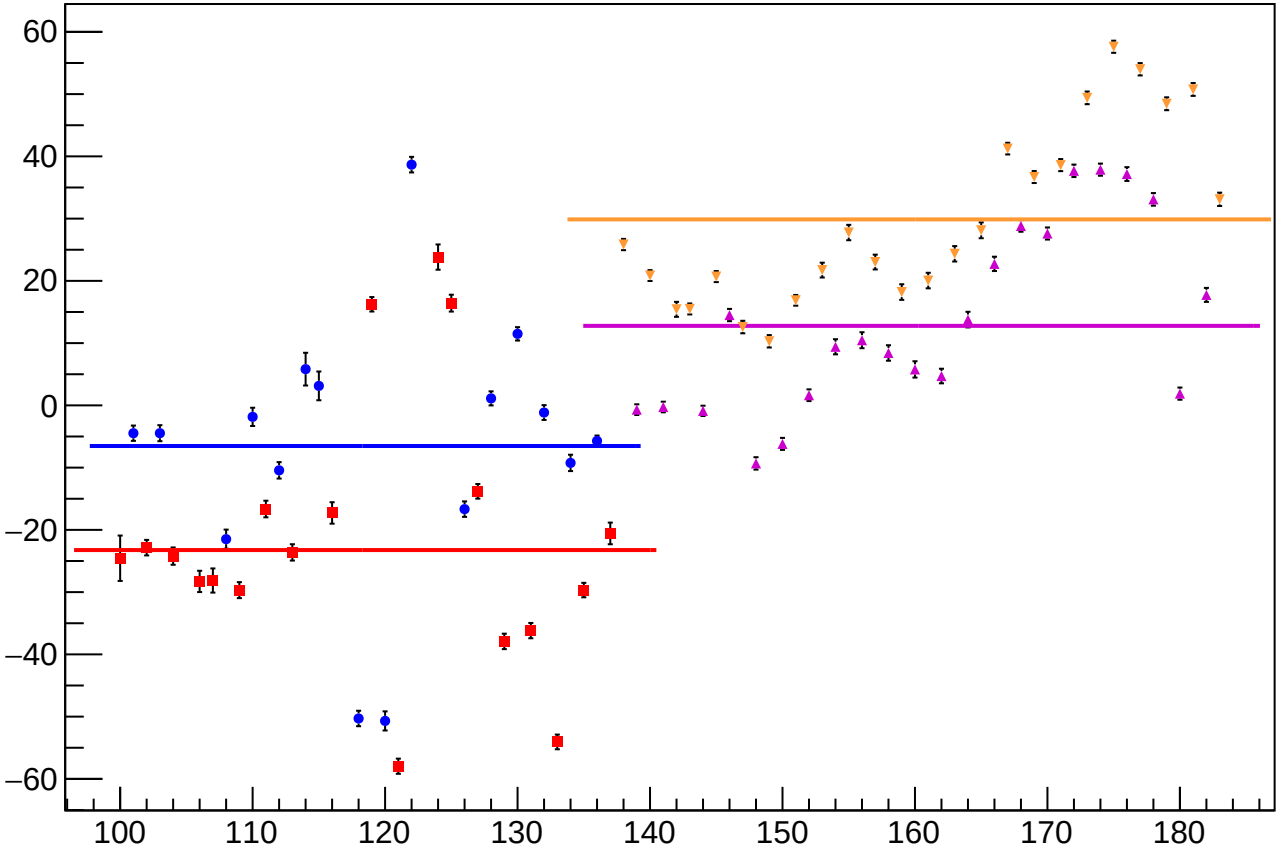
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 895.120+/-0.127 χ^2/NDF:739034.9/37

Out: 887.828+/-0.123 χ^2/NDF:753964.9/42

All: 891.348+/-0.088 χ^2/NDF: 1494703.3/80

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 29.876+/-0.210 χ^2/NDF:4576.4/23

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: 21.676+/-0.151 χ^2/NDF: 12547.3/45

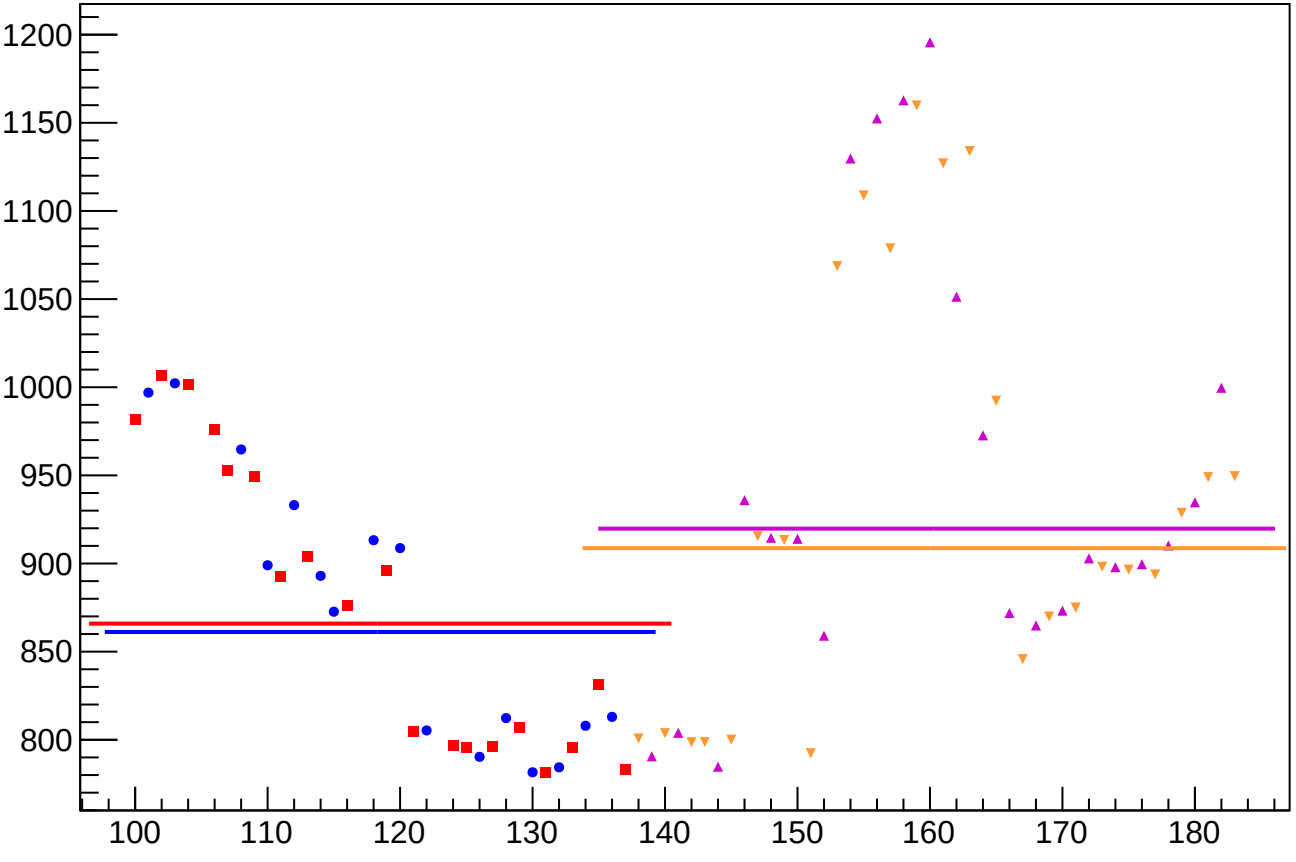
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: 6.664+/-0.181 χ^2/NDF:11198.8/37

Out: 13.699+/-0.175 χ^2/NDF:28572.0/42

All: 10.295+/-0.126 χ^2/NDF: 40553.3/80

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 908.689+/-0.148 χ^2/NDF:538813.0/23

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: 914.009+/-0.107 χ^2/NDF: 1032547.8/45

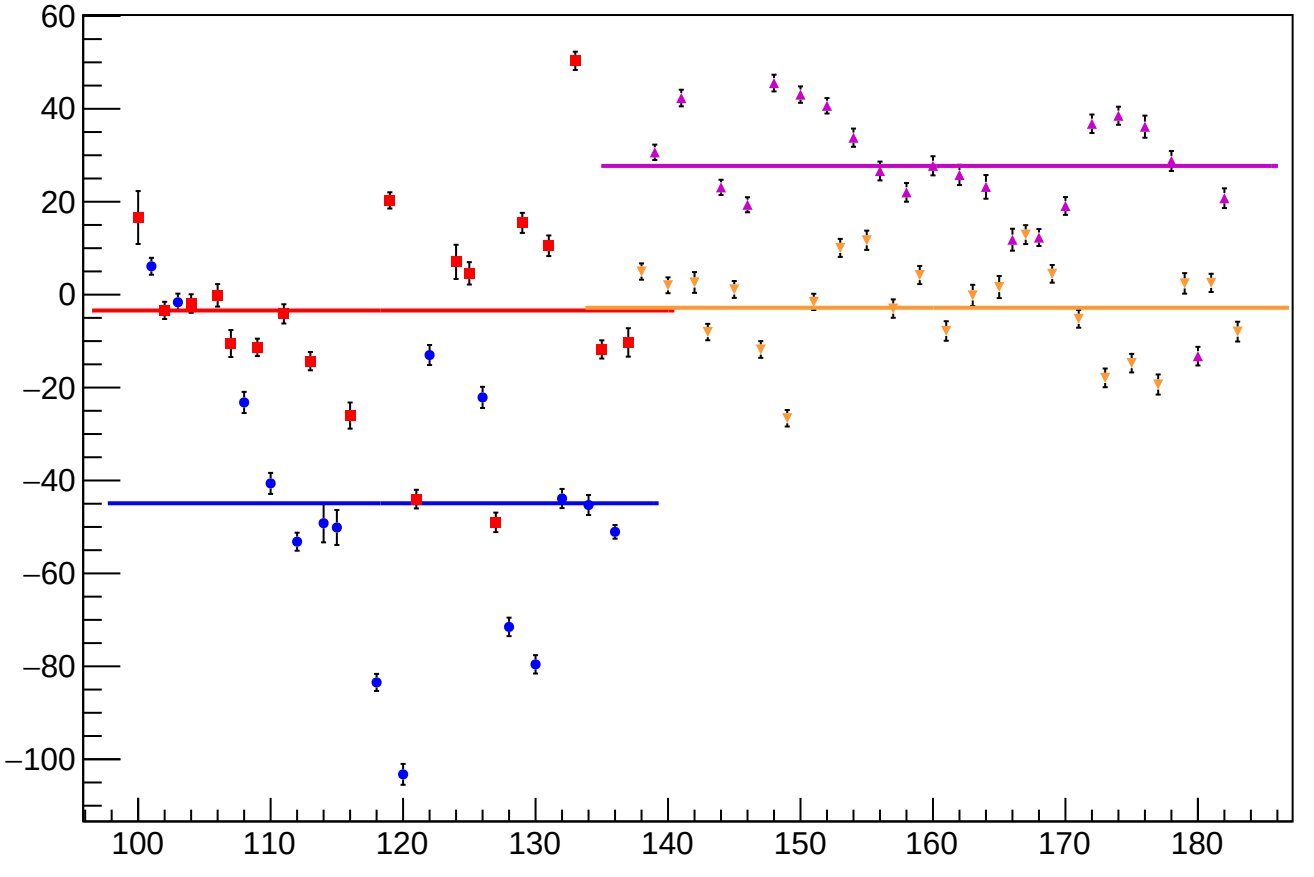
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 901.230+/-0.128 χ^2/NDF:650105.5/37

Out: 895.660+/-0.124 χ^2/NDF:682562.0/42

All: 898.355+/-0.089 χ^2/NDF: 1333648.4/80

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.826+/-0.400 χ^2/NDF:614.4/23

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: 11.995+/-0.287 χ^2/NDF: 4433.8/45

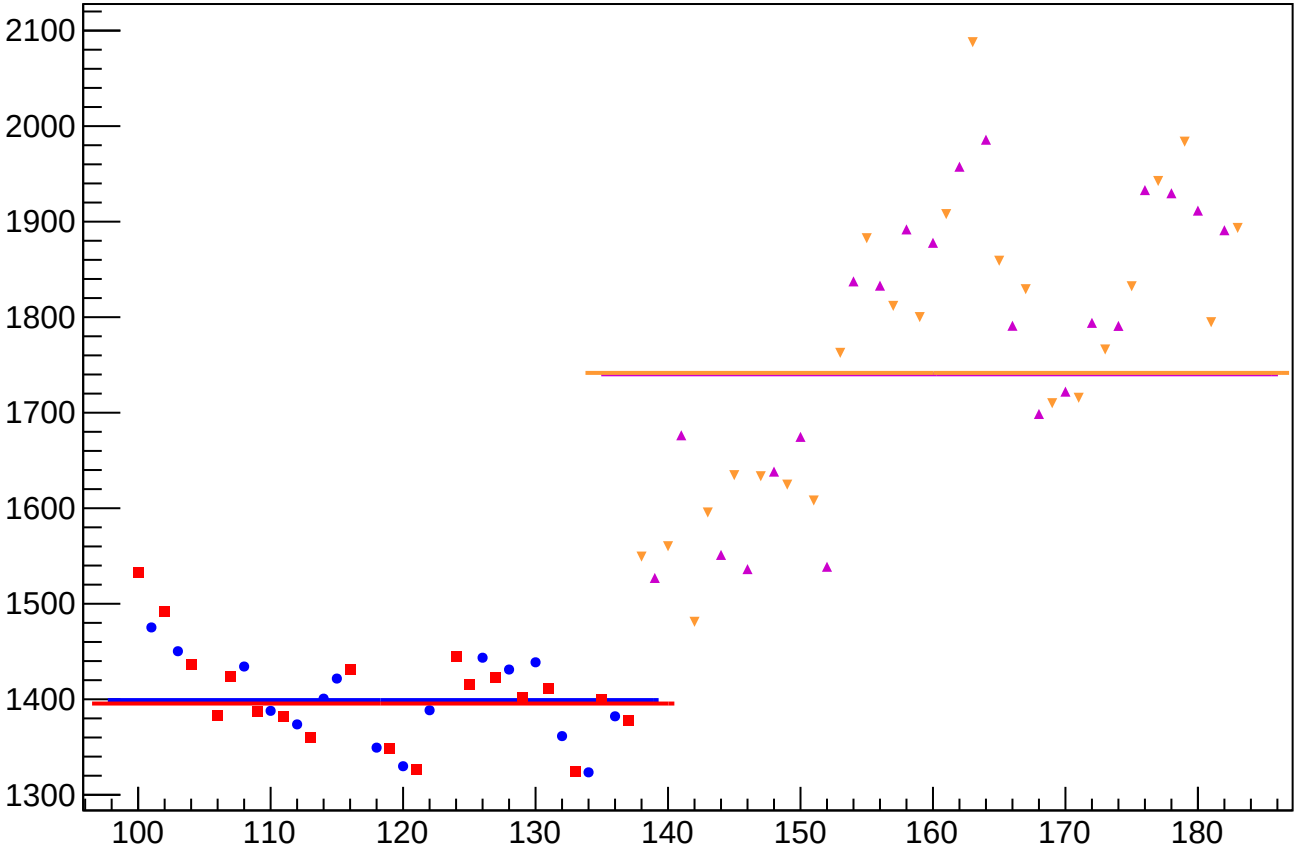
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -0.275+/-0.323 χ^2/NDF:16355.7/37

Out: -3.051+/-0.314 χ^2/NDF:2717.3/42

All: -1.699+/-0.225 χ^2/NDF: 19111.0/80

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1741.675+/-0.283 χ^2/NDF:261714.7/23

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: 1740.958+/-0.203 χ^2/NDF: 520133.4/45

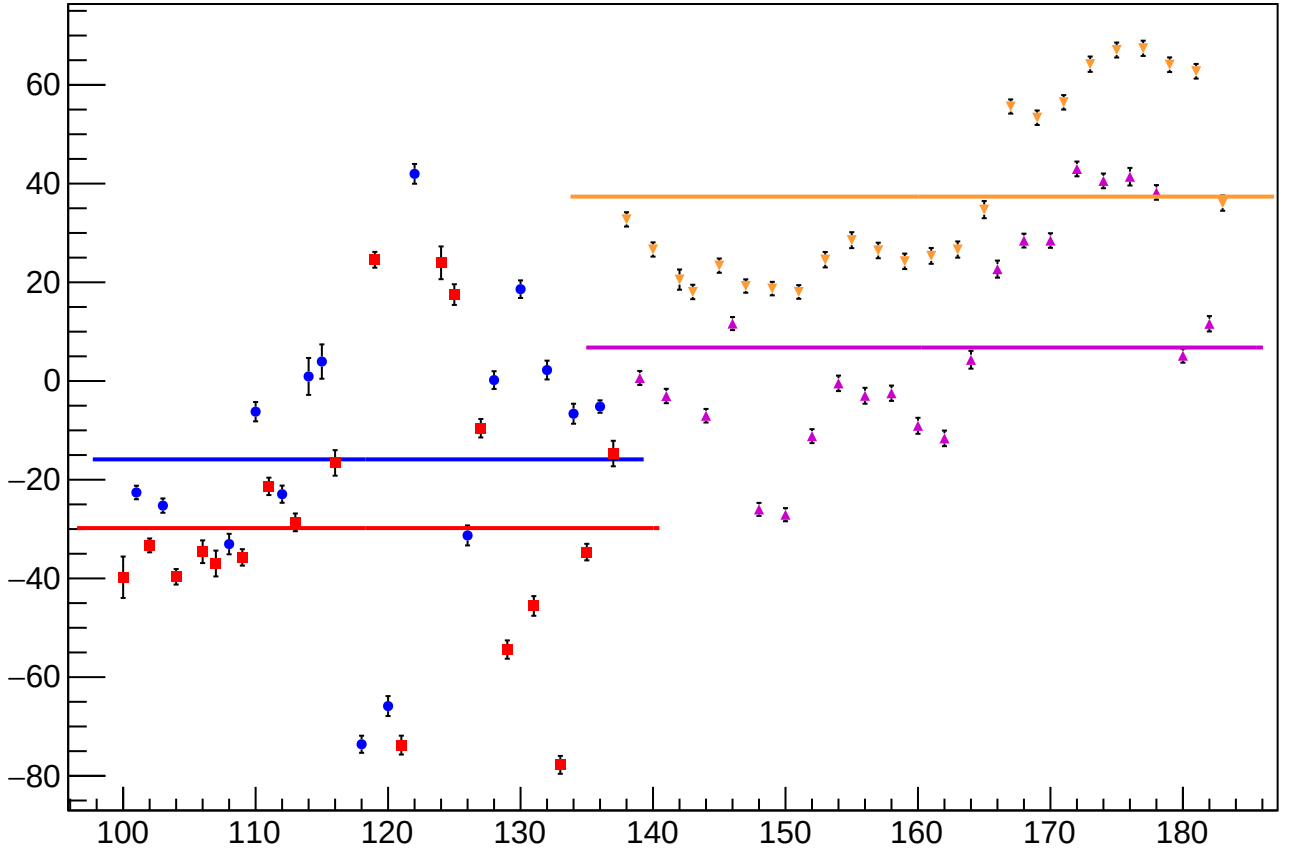
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1608.791+/-0.228 χ^2/NDF:802197.4/37

Out: 1609.642+/-0.222 χ^2/NDF:849665.1/42

All: 1609.227+/-0.159 χ^2/NDF: 1651869.6/80

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 37.361+/-0.310 χ^2/NDF:3395.7/23

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: 22.493+/-0.222 χ^2/NDF: 12527.8/45

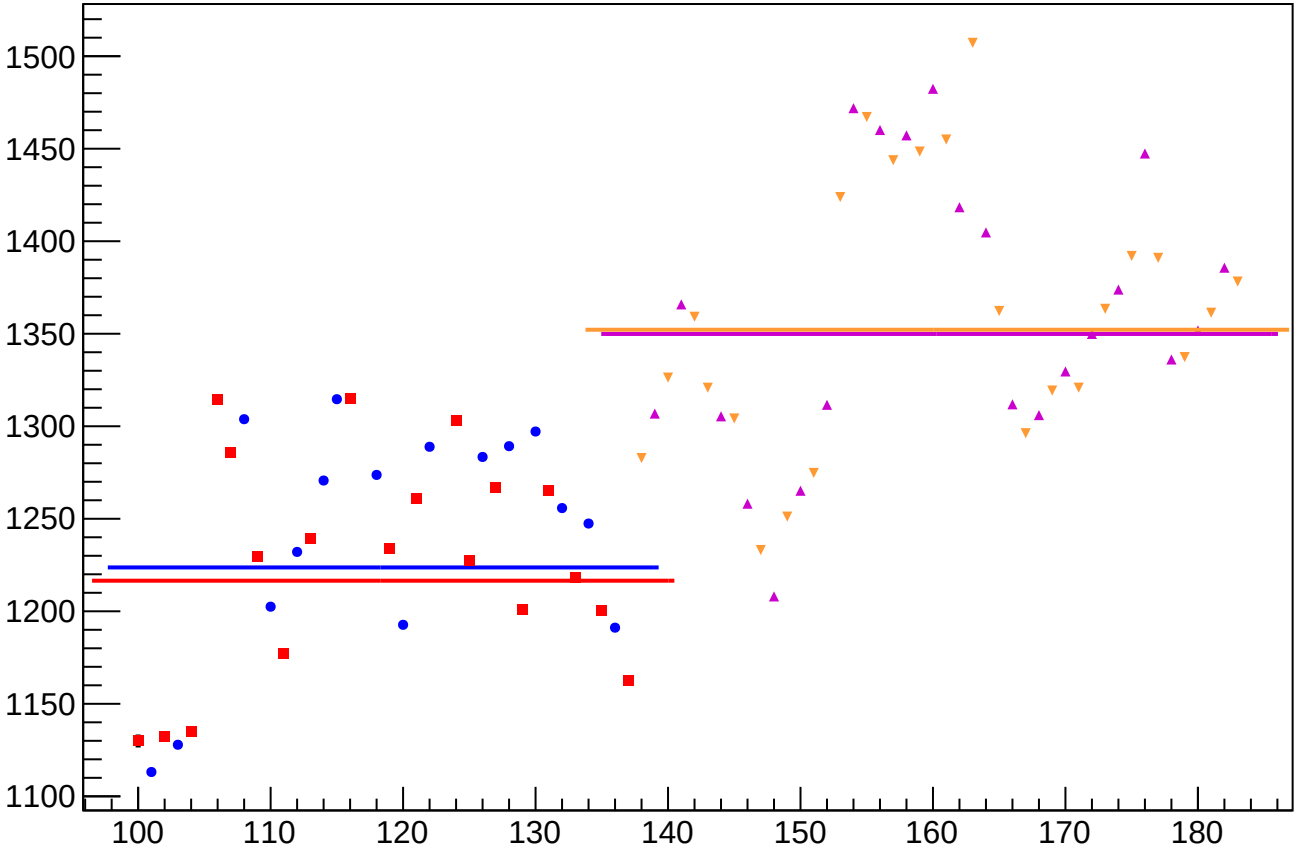
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -0.663+/-0.261 χ^2/NDF:9536.6/37

Out: 15.394+/-0.254 χ^2/NDF:22449.2/42

All: 7.578+/-0.182 χ^2/NDF: 33928.9/80

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1352.165+/-0.219 χ^2/NDF:104127.9/23

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: 1351.051+/-0.157 χ^2/NDF: 211590.1/45

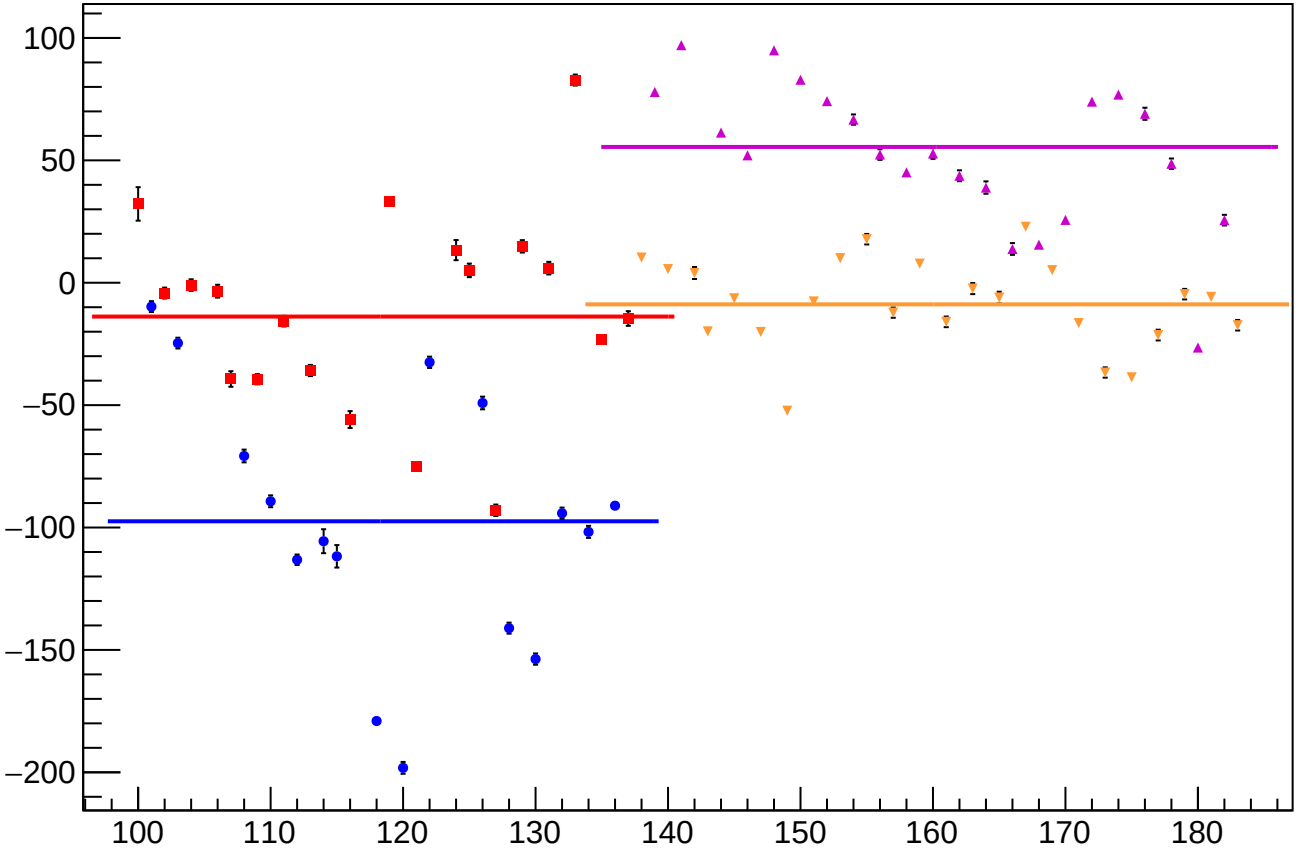
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1308.419+/-0.185 χ^2/NDF:251446.8/37

Out: 1307.802+/-0.180 χ^2/NDF:258894.8/42

All: 1308.103+/-0.129 χ^2/NDF: 510347.3/80

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.828+/-0.410 χ^2/NDF:1952.7/23

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: 22.259+/-0.294 χ^2/NDF: 18581.5/45

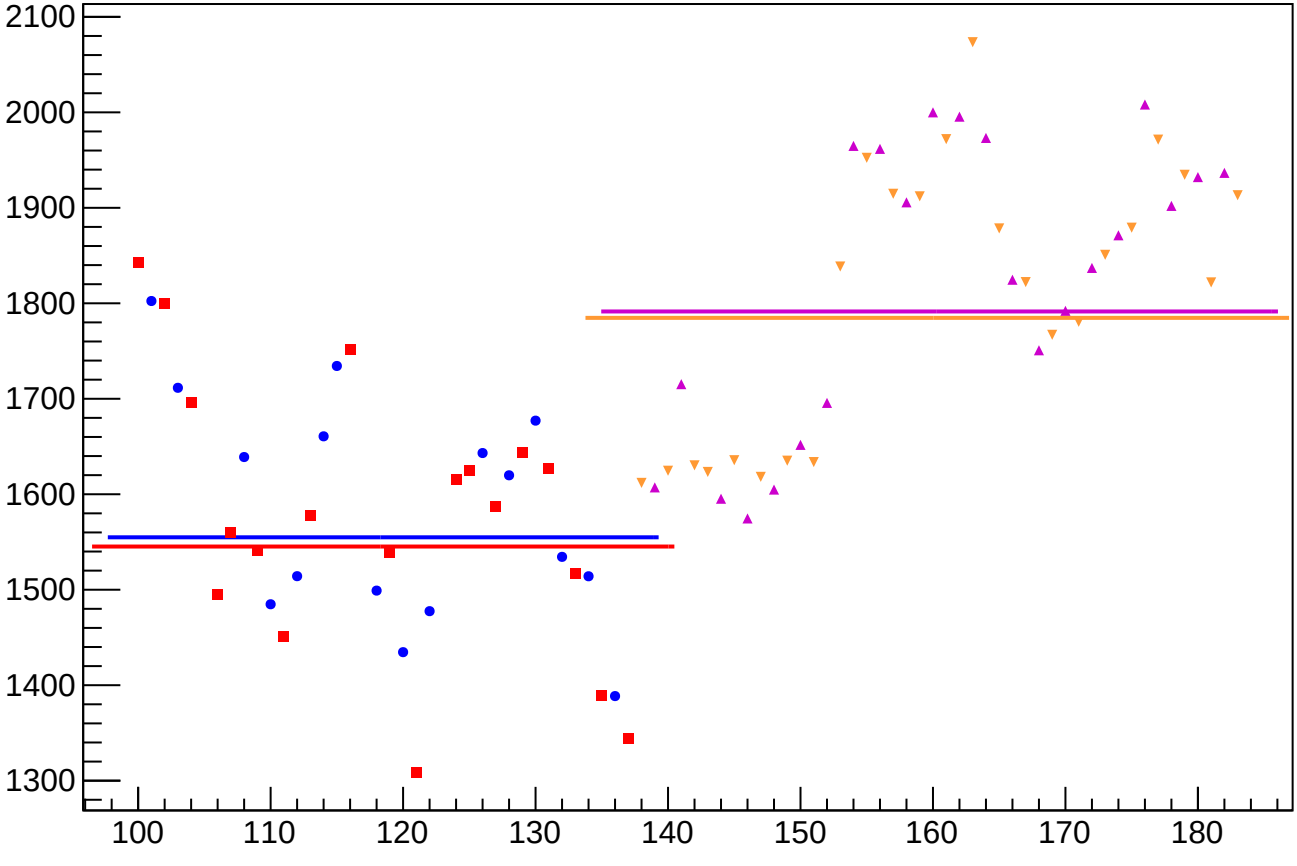
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: 2.224+/-0.342 χ^2/NDF:58425.6/37

Out: -10.544+/-0.332 χ^2/NDF:7355.9/42

All: -4.352+/-0.238 χ^2/NDF: 66499.6/80

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1784.740+/-0.290 χ^2/NDF:236071.9/23

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: 1787.985+/-0.208 χ^2/NDF: 486605.6/45

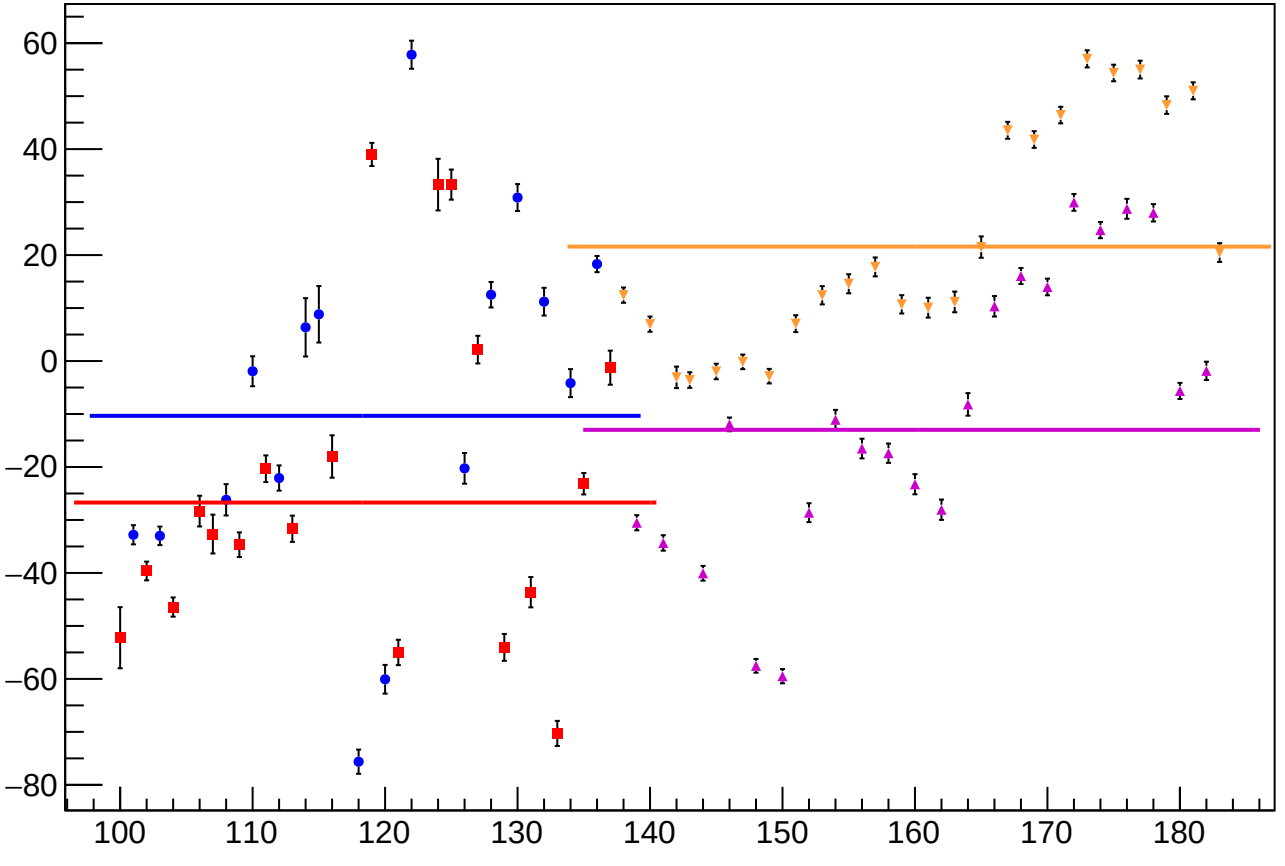
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1709.082+/-0.242 χ^2/NDF:555444.3/37

Out: 1702.335+/-0.235 χ^2/NDF:580028.9/42

All: 1705.607+/-0.168 χ^2/NDF: 1135874.2/80

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 21.601+/-0.332 χ^2/NDF:4159.8/23

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: 4.852+/-0.238 χ^2/NDF: 16050.8/45

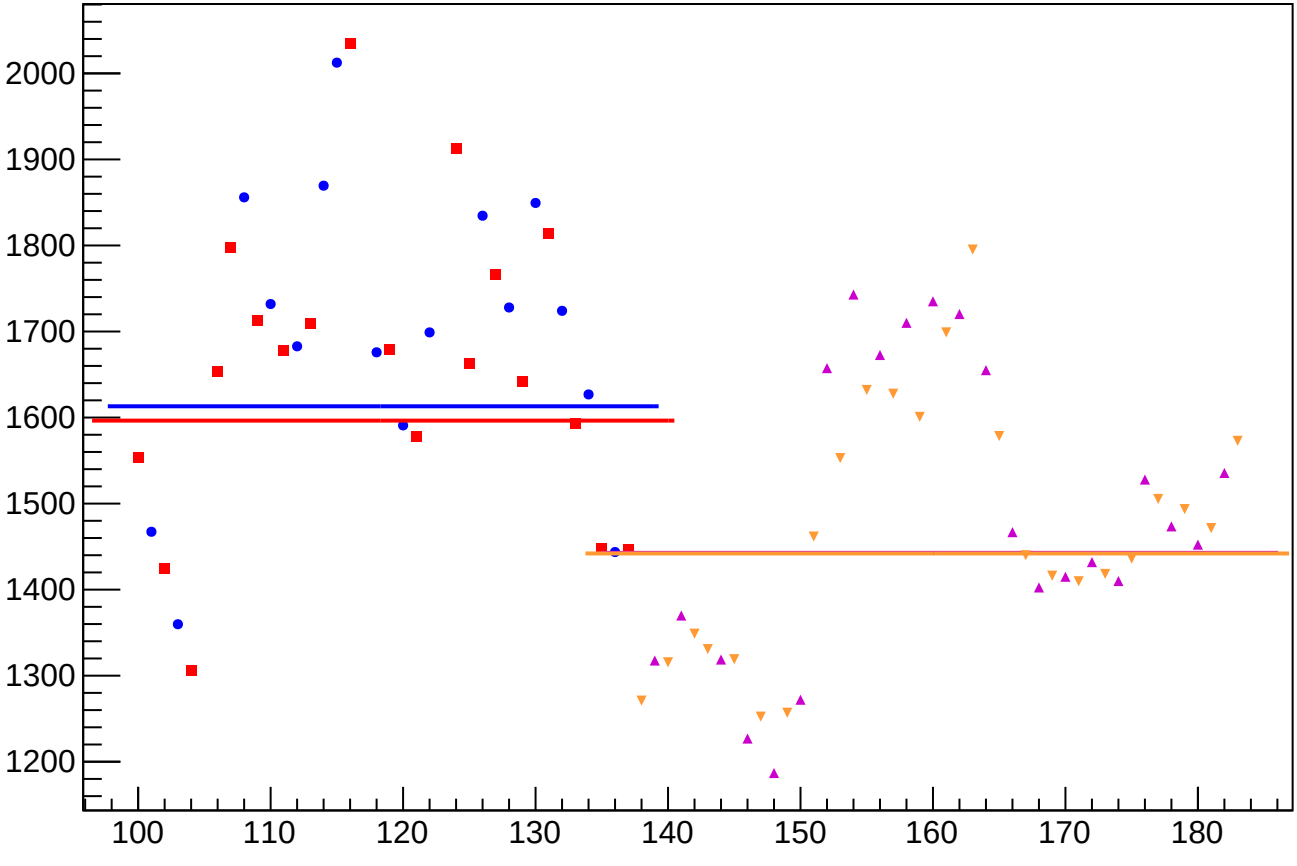
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -12.343+/-0.298 χ^2/NDF:9648.3/37

Out: 9.887+/-0.289 χ^2/NDF:11842.8/42

All: -0.887+/-0.207 χ^2/NDF: 24364.0/80

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1442.037+/-0.235 χ^2/NDF:347089.2/23

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: 1442.378+/-0.168 χ^2/NDF: 826872.3/45

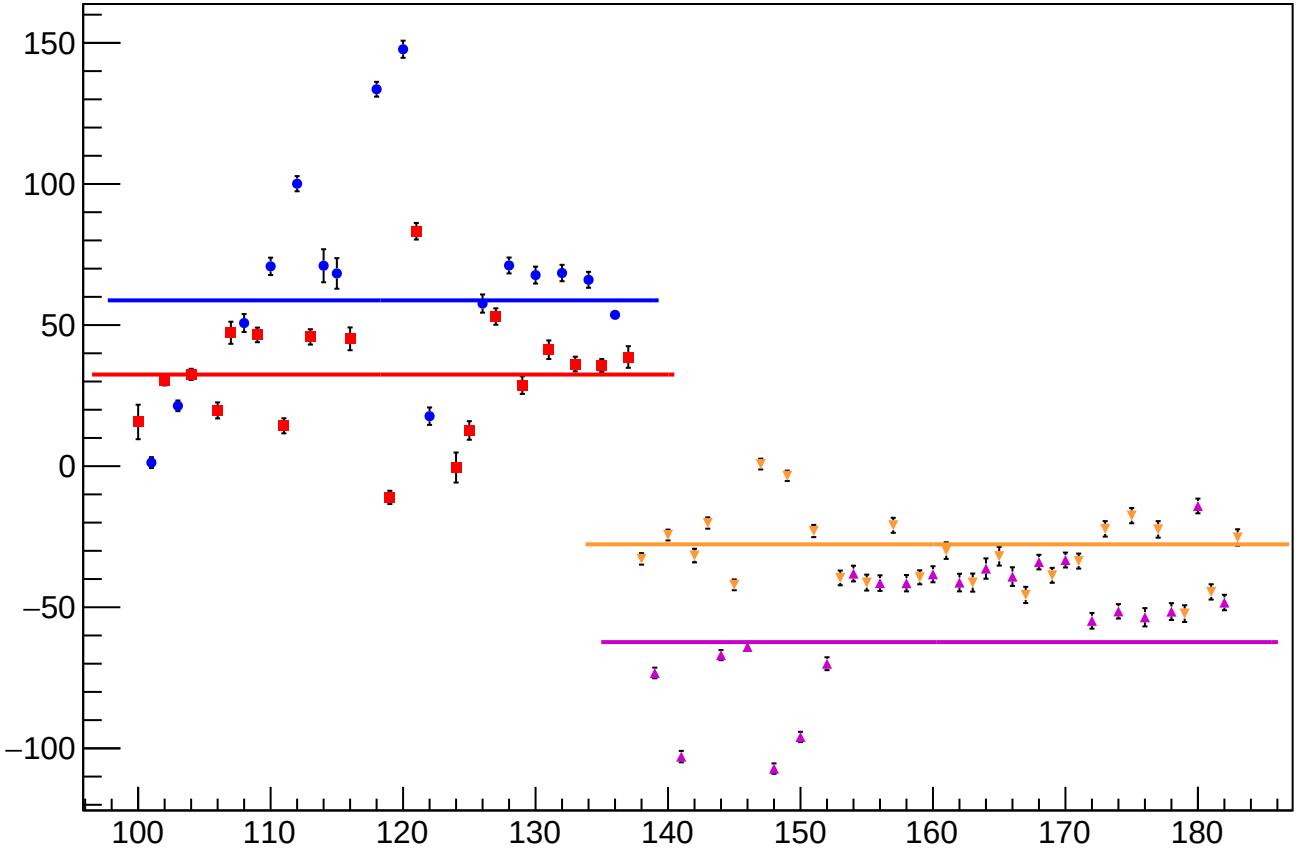
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1484.252+/-0.211 χ^2/NDF:755162.3/37

Out: 1479.477+/-0.204 χ^2/NDF:612860.2/42

All: 1481.791+/-0.147 χ^2/NDF: 1368287.6/80

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -27.694+/-0.498 χ^2/NDF:766.1/23

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: -44.465+/-0.358 χ^2/NDF: 5549.2/45

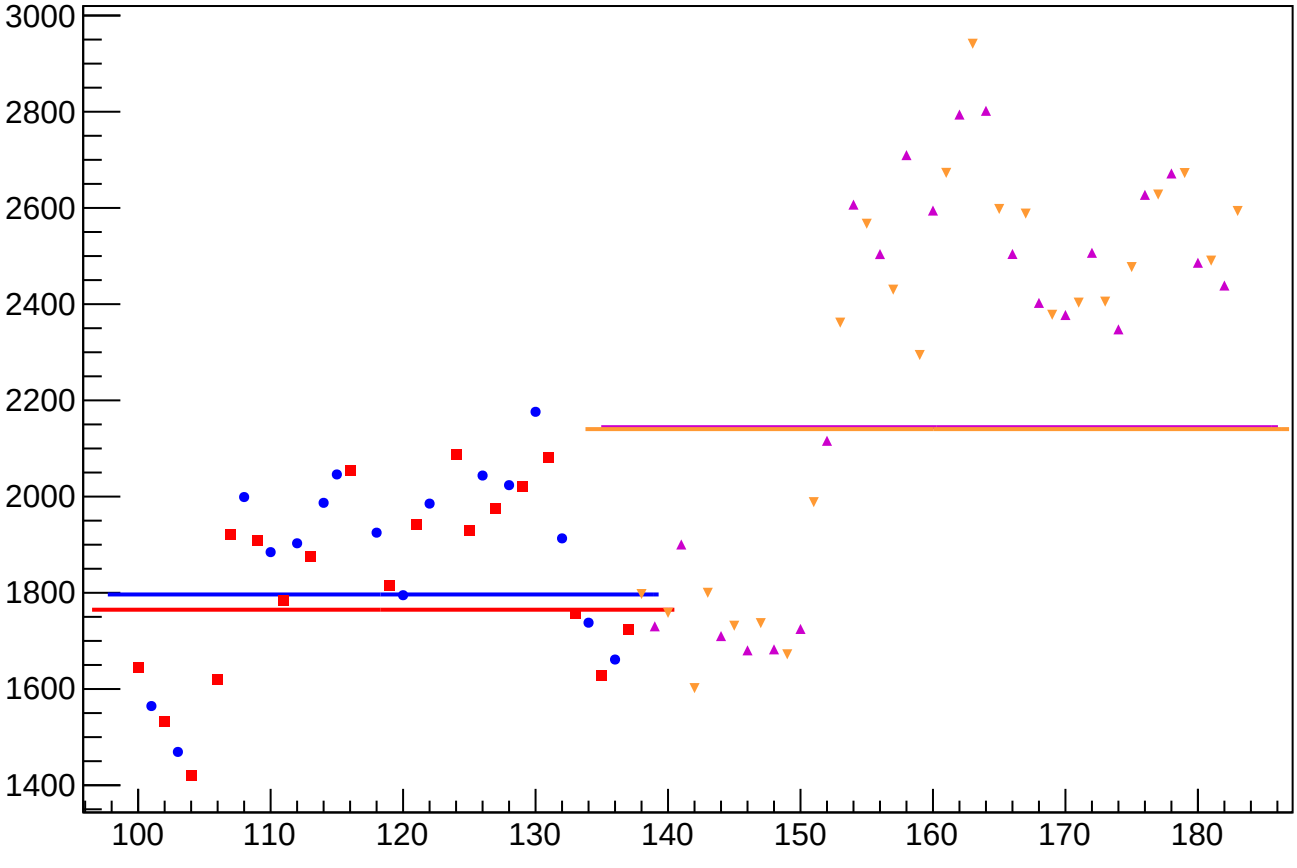
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -17.599+/-0.409 χ^2/NDF:26339.3/37

Out: -5.346+/-0.395 χ^2/NDF:7107.1/42

All: -11.266+/-0.284 χ^2/NDF: 33910.8/80

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2140.267+/-0.352 χ^2/NDF:1267143.8/23

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: 2142.222+/-0.253 χ^2/NDF: 2516587.6/45

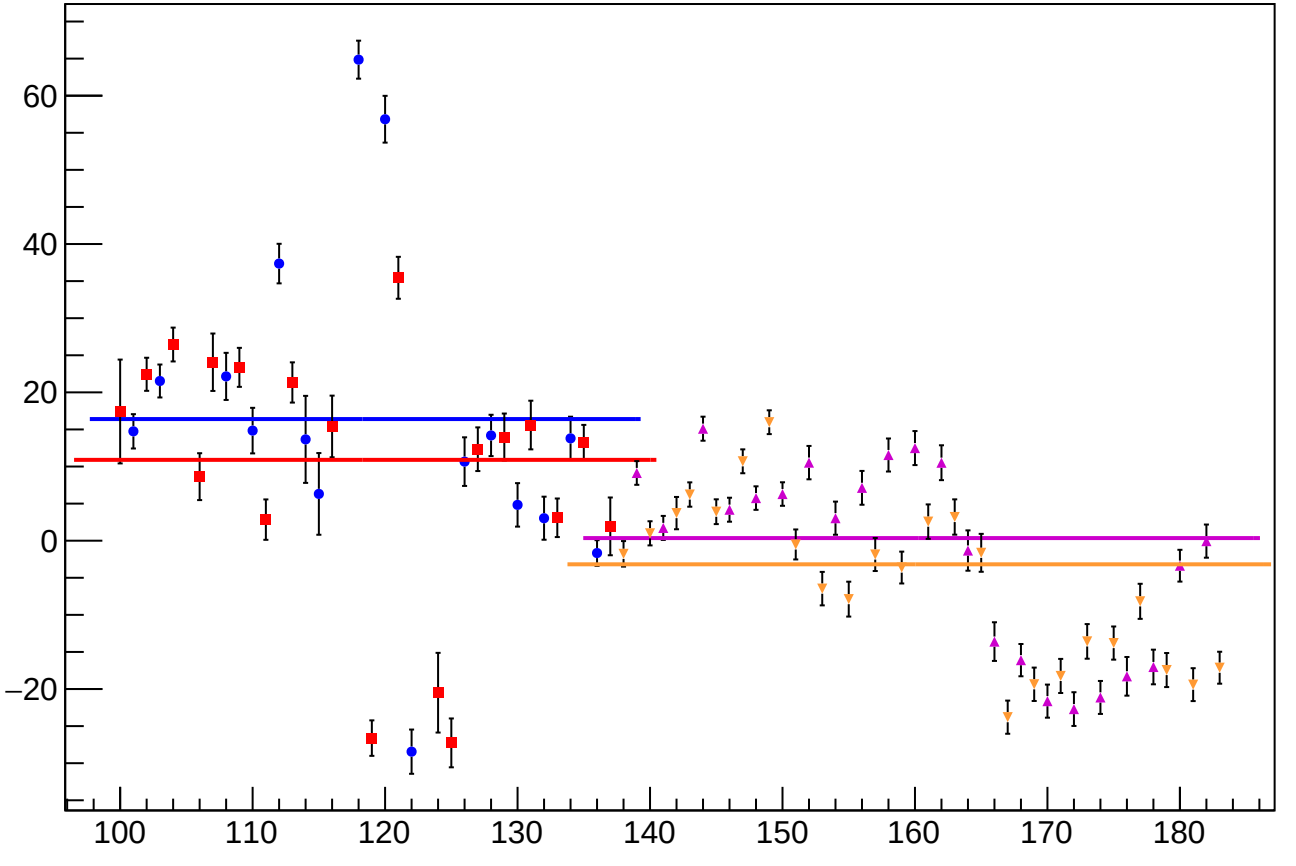
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 2015.813+/-0.289 χ^2/NDF:1779788.0/37

Out: 2000.816+/-0.279 χ^2/NDF:1878464.6/42

All: 2008.062+/-0.201 χ^2/NDF: 3659643.9/80

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -3.185+/-0.417 χ^2/NDF:667.4/23

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: -1.482+/-0.300 χ^2/NDF: 1438.8/45

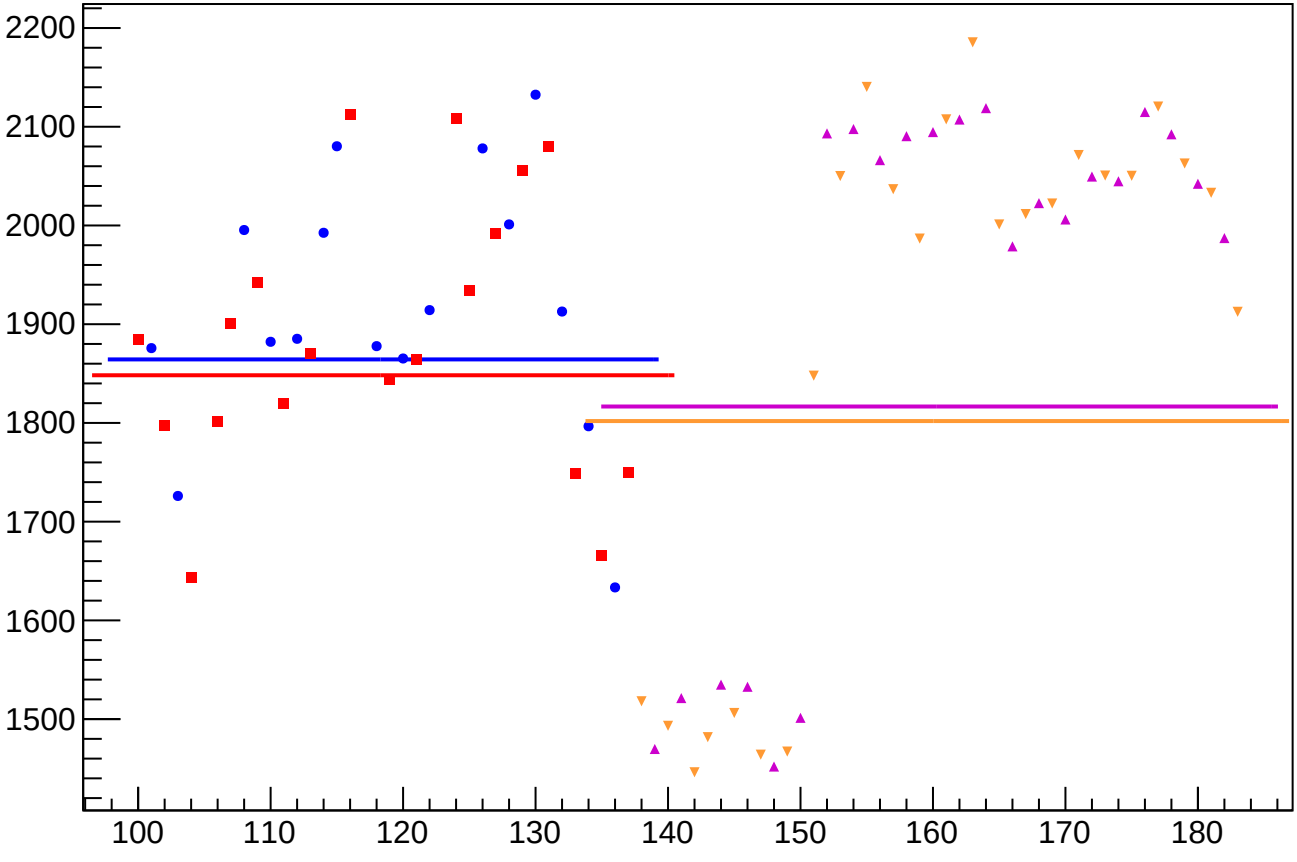
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 4.840+/-0.368 χ^2/NDF:2093.8/37

Out: 0.699+/-0.355 χ^2/NDF:1623.2/42

All: 2.699+/-0.255 χ^2/NDF: 3782.7/80

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1801.890+/-0.295 χ^2/NDF:896711.6/23

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: 1808.990+/-0.212 χ^2/NDF: 1736450.4/45

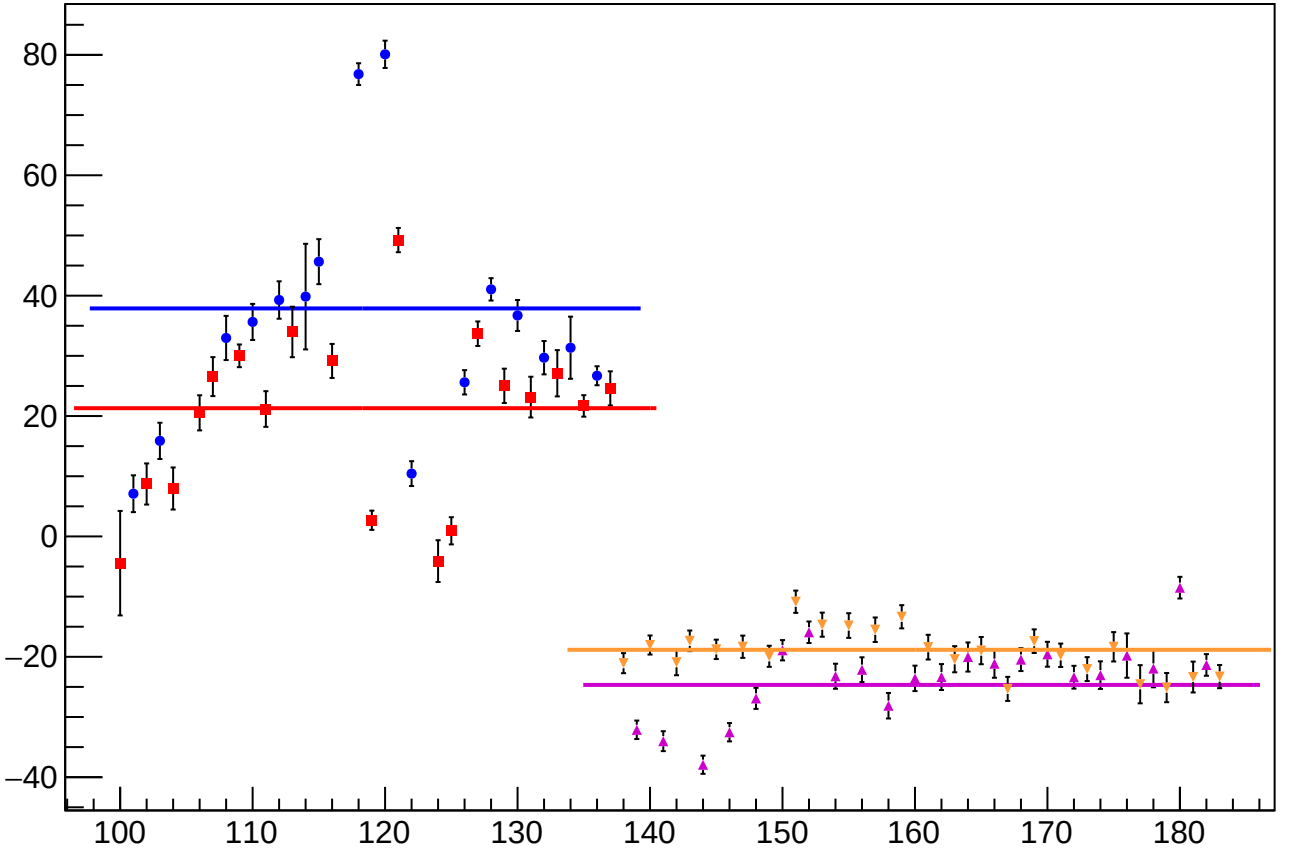
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1829.974+/-0.260 χ^2/NDF:928634.9/37

Out: 1814.684+/-0.251 χ^2/NDF:978485.8/42

All: 1822.068+/-0.181 χ^2/NDF: 1908910.8/80

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.831+/-0.404 χ^2/NDF:74.7/23

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: -21.694+/-0.288 χ^2/NDF: 483.6/45

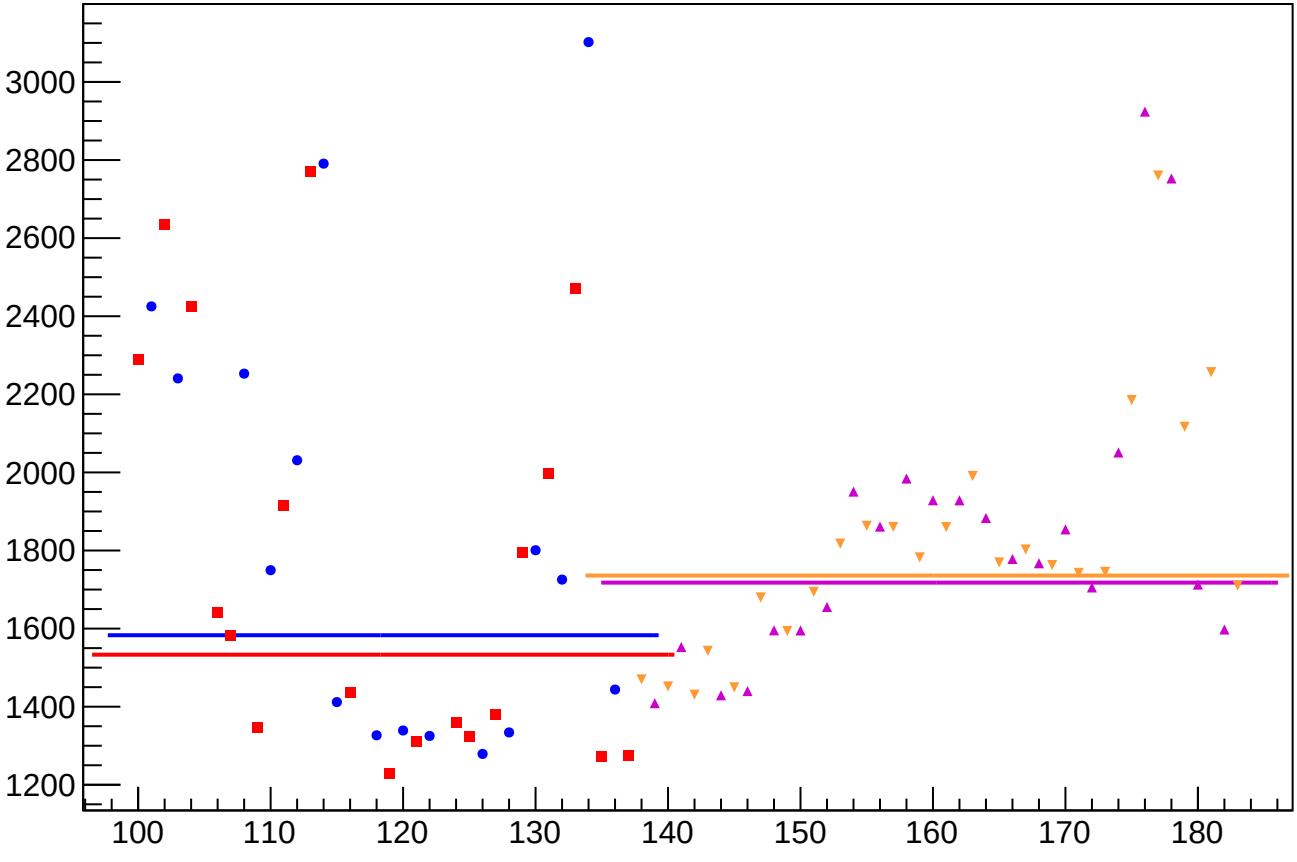
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -5.646+/-0.343 χ^2/NDF:8585.0/37

Out: -6.124+/-0.334 χ^2/NDF:3788.9/42

All: -5.892+/-0.239 χ^2/NDF: 12374.9/80

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1735.871+/-0.285 χ^2/NDF:726619.0/23

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: 1727.007+/-0.204 χ^2/NDF: 1603944.3/45

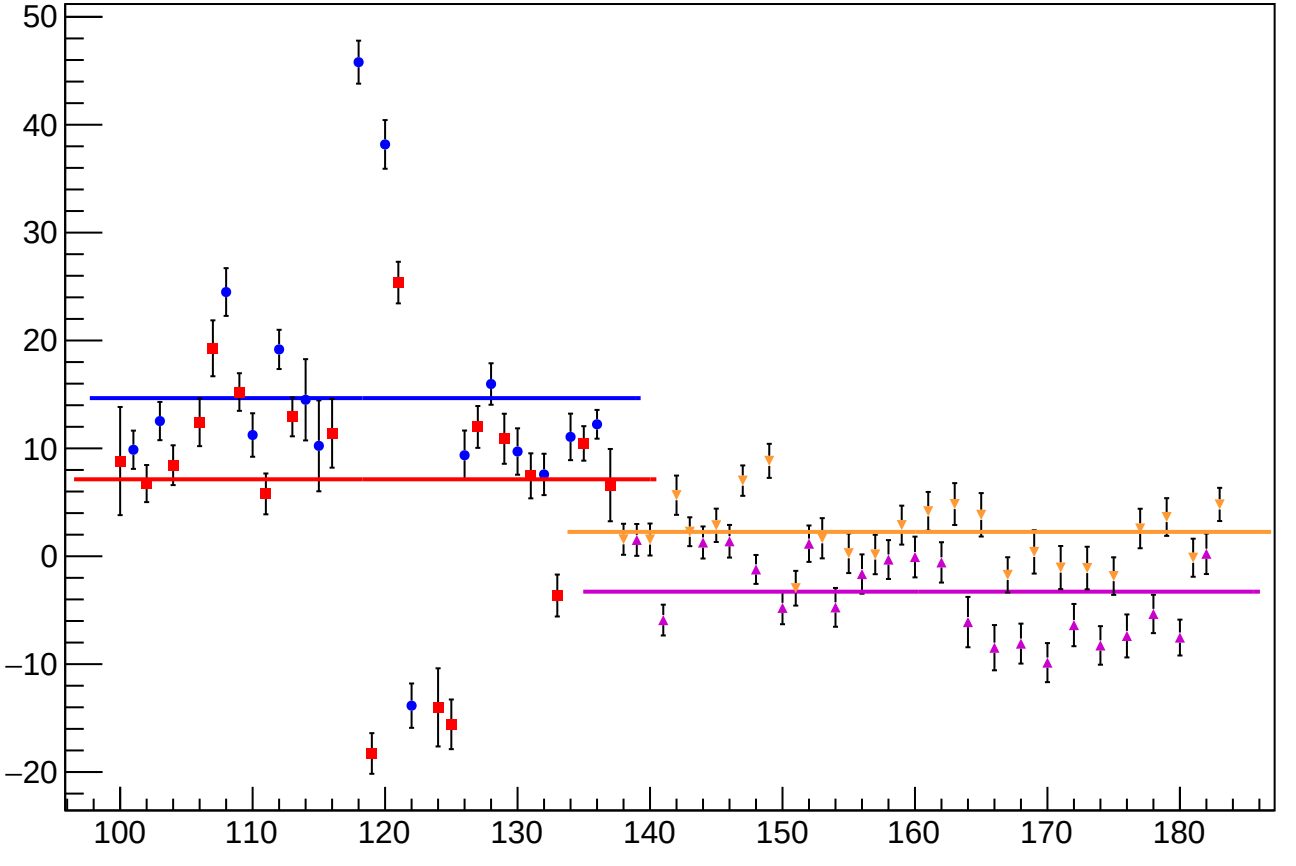
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1676.815+/-0.243 χ^2/NDF:1728266.4/37

Out: 1671.703+/-0.236 χ^2/NDF:1837102.4/42

All: 1674.186+/-0.169 χ^2/NDF: 3565596.9/80

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.258+/-0.346 χ^2/NDF:72.8/23

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: -0.356+/-0.251 χ^2/NDF: 299.7/45

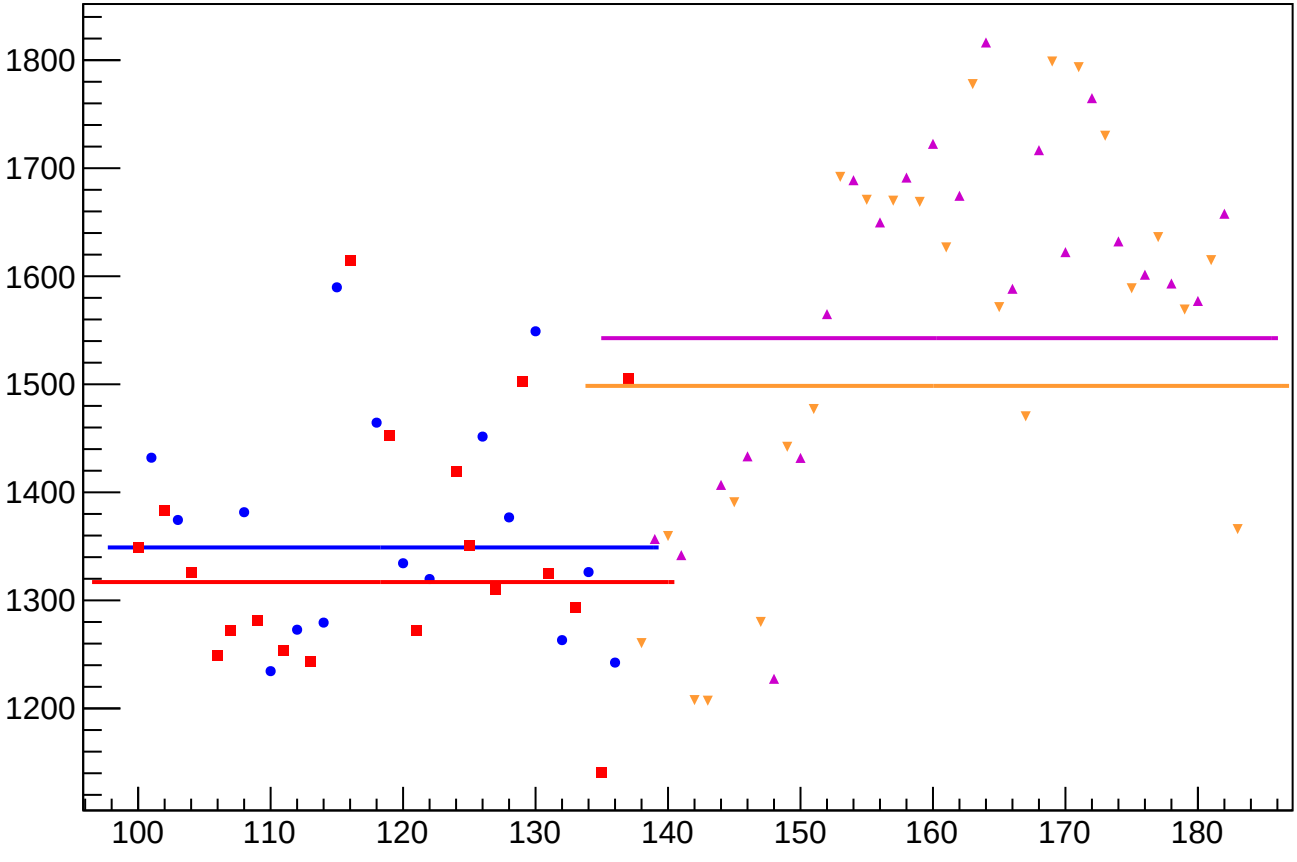
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 2.906+/-0.296 χ^2/NDF:1549.0/37

Out: 3.911+/-0.281 χ^2/NDF:649.6/42

All: 3.435+/-0.204 χ^2/NDF: 2204.6/80

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1498.519+/-0.245 χ^2/NDF:567890.1/23

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: 1519.368+/-0.178 χ^2/NDF: 957633.4/45

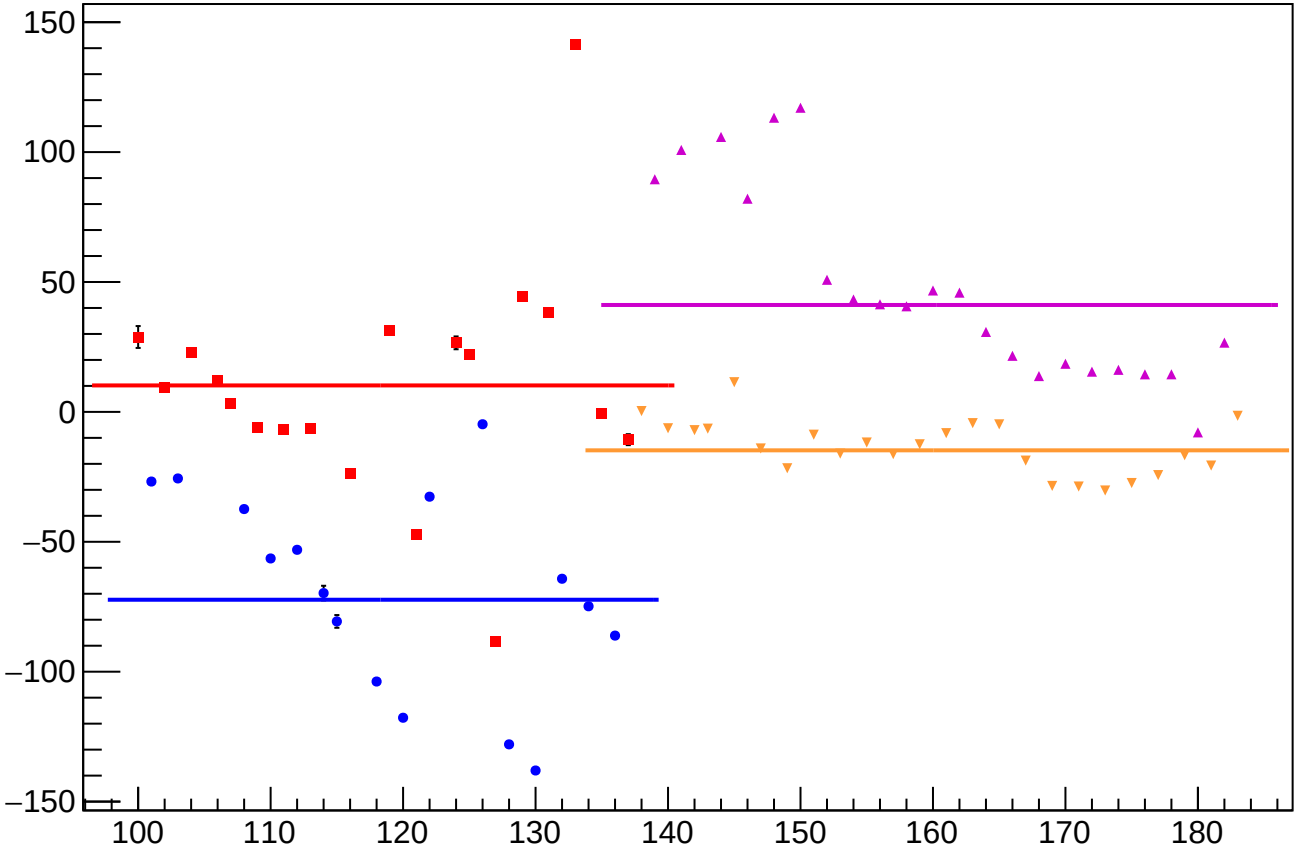
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1475.888+/-0.210 χ^2/NDF:635881.5/37

Out: 1436.972+/-0.199 χ^2/NDF:841424.0/42

All: 1455.421+/-0.144 χ^2/NDF: 1495450.0/80

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -14.795+/-0.184 χ^2/NDF:3079.4/23

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: 12.116+/-0.133 χ^2/NDF: 78454.9/45

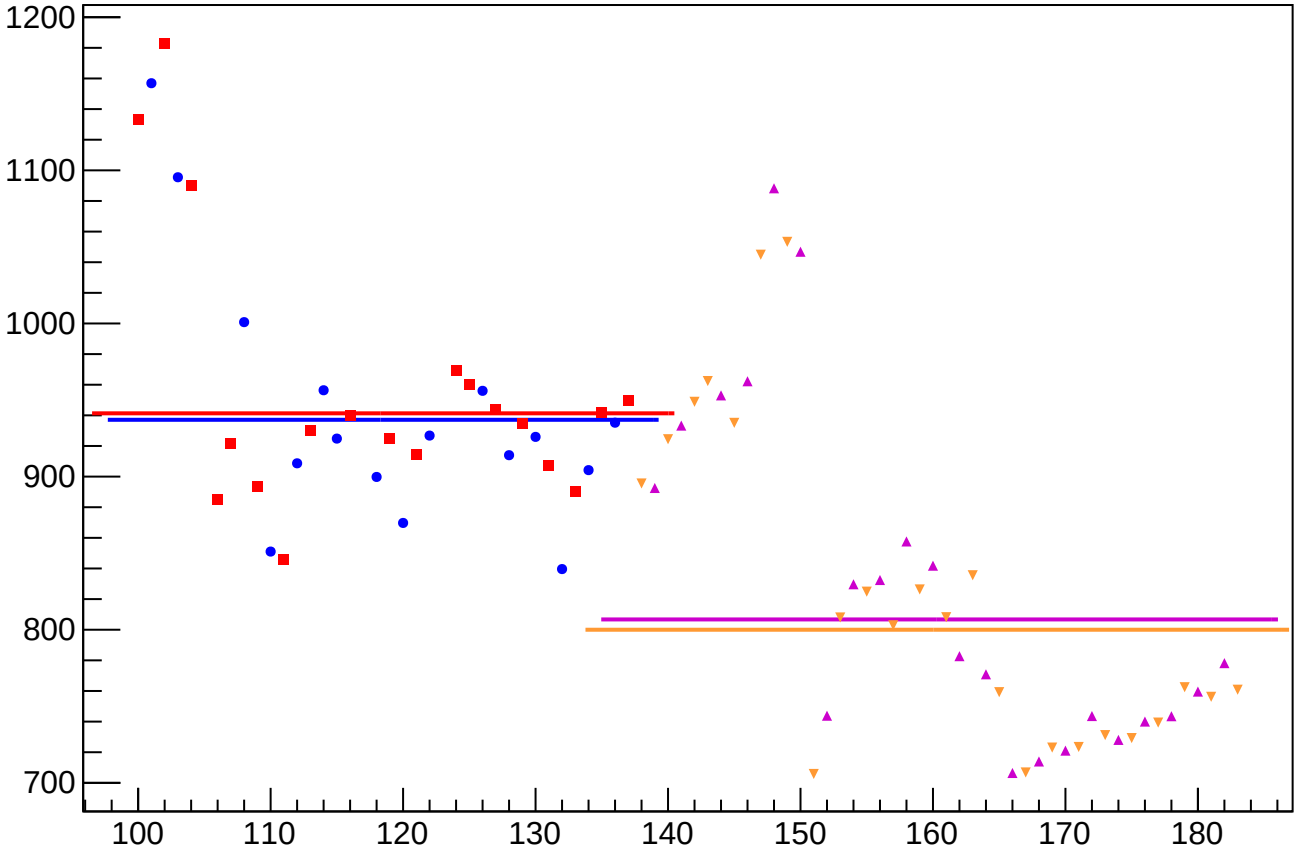
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 14.967+/-0.168 χ^2/NDF:124273.9/37

Out: -9.238+/-0.162 χ^2/NDF:26213.9/42

All: 2.470+/-0.117 χ^2/NDF: 161220.2/80

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 799.997+/-0.130 χ^2/NDF:496910.4/23

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: 803.232+/-0.094 χ^2/NDF: 1009296.6/45

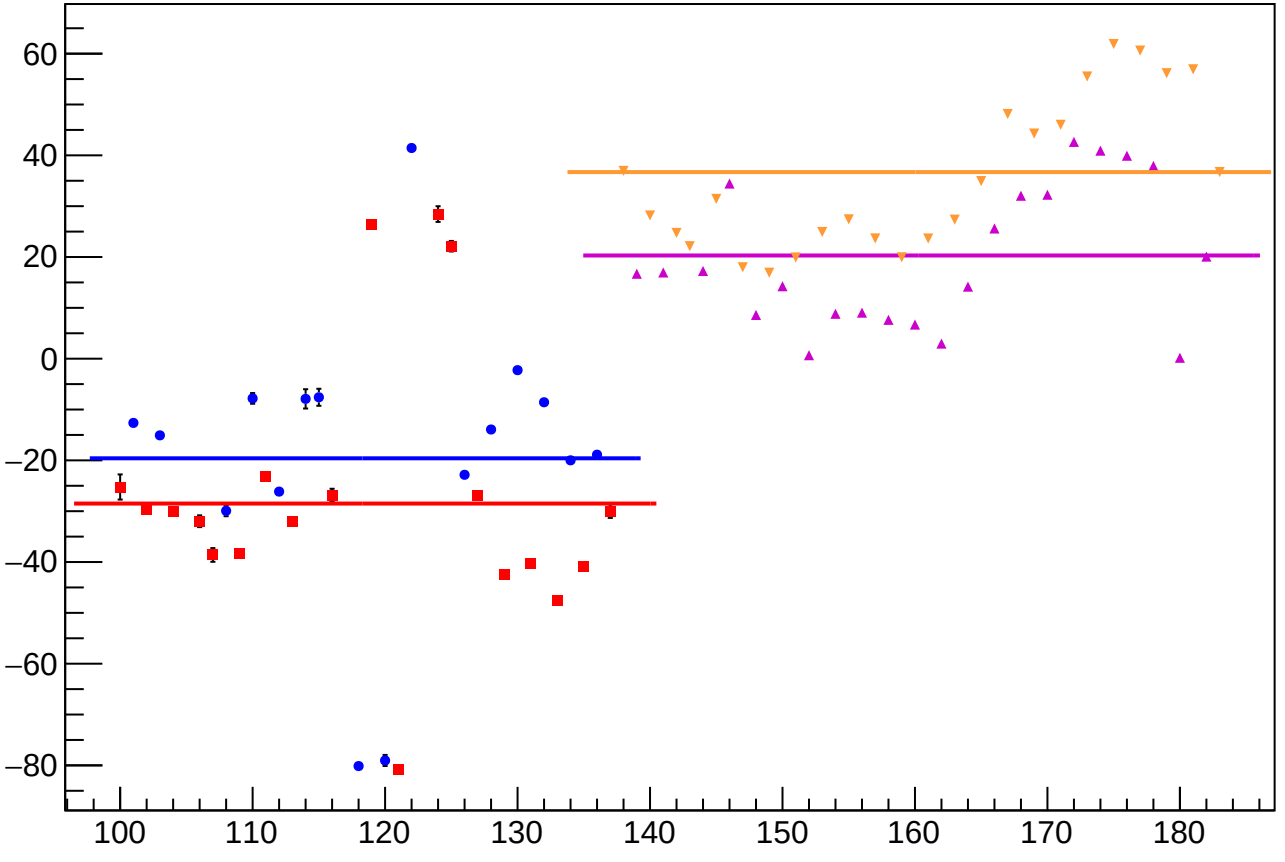
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 836.813+/-0.119 χ^2/NDF:829894.6/37

Out: 831.434+/-0.115 χ^2/NDF:859601.6/42

All: 834.035+/-0.083 χ^2/NDF: 1690556.3/80

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 36.707+/-0.146 χ^2/NDF:10231.1/23

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: 28.835+/-0.106 χ^2/NDF: 24665.4/45

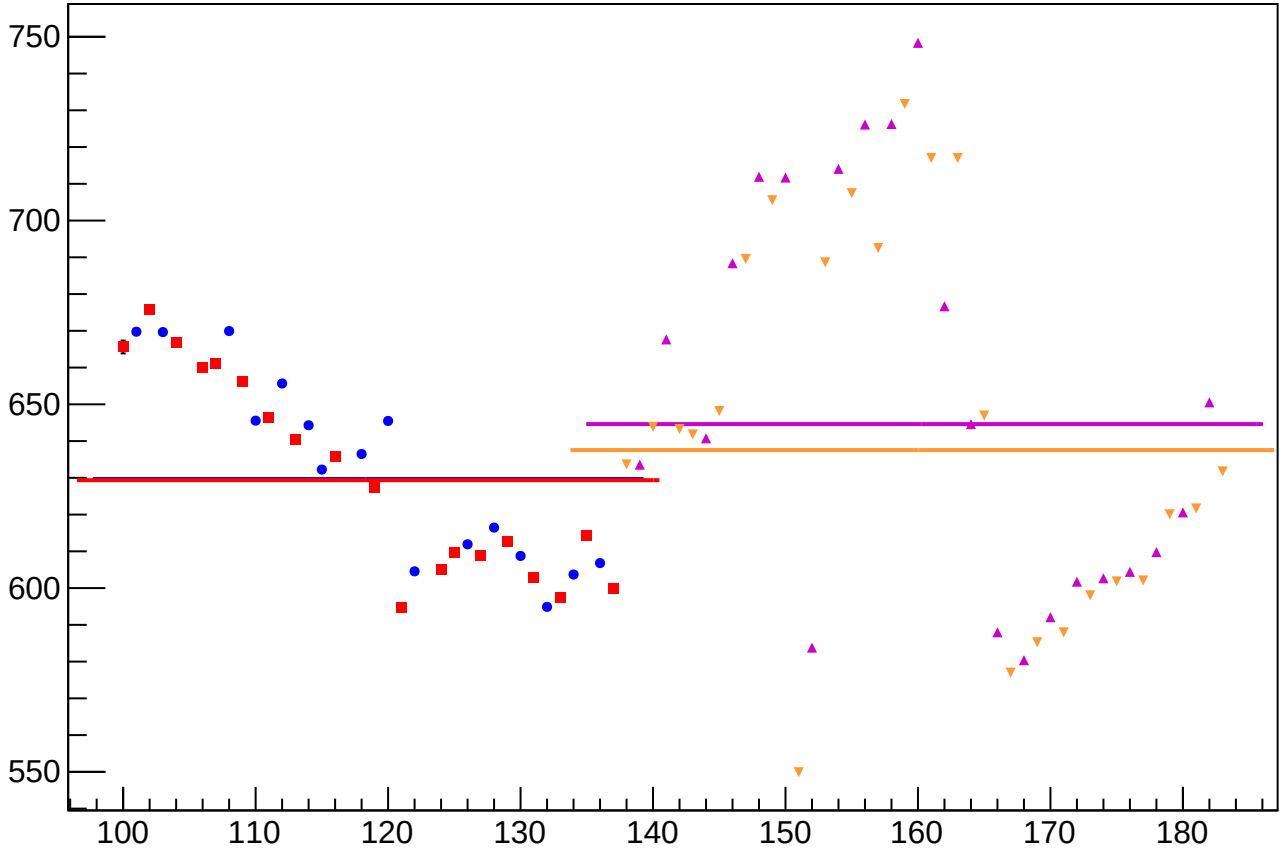
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: 8.420+/-0.128 χ^2/NDF:41986.0/37

Out: 17.866+/-0.123 χ^2/NDF:80508.8/42

All: 13.304+/-0.089 χ^2/NDF: 125322.5/80

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 637.547+/-0.104 χ^2/NDF:236536.2/23

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: 640.943+/-0.075 χ^2/NDF: 467994.1/45

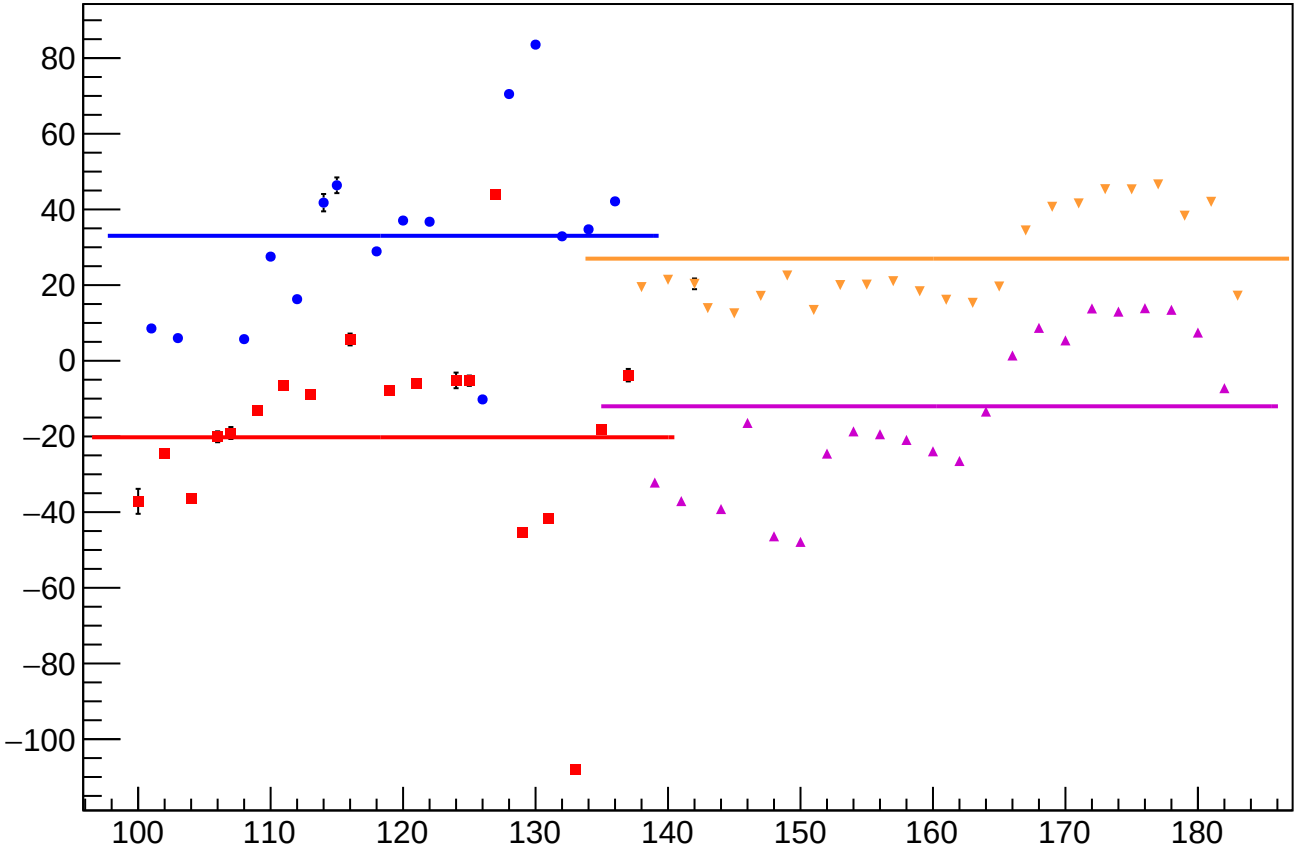
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 640.167+/-0.090 χ^2/NDF:260271.5/37

Out: 635.182+/-0.087 χ^2/NDF:265134.1/42

All: 637.590+/-0.063 χ^2/NDF: 526980.5/80

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 26.995+/-0.208 χ^2/NDF:3363.6/23

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: 8.161+/-0.150 χ^2/NDF: 28849.5/45

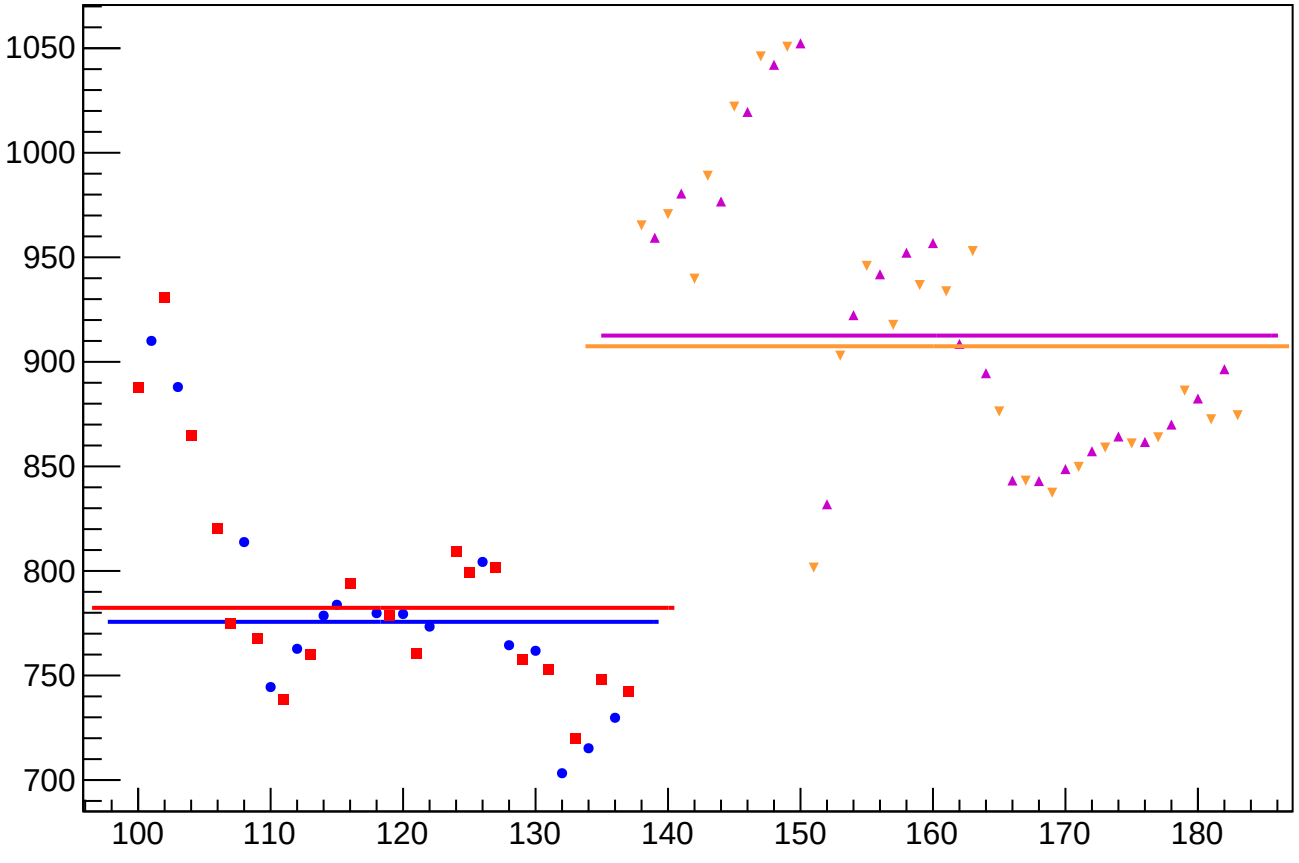
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 4.083+/-0.173 χ^2/NDF:30854.1/37

Out: 10.643+/-0.168 χ^2/NDF:33048.9/42

All: 7.448+/-0.121 χ^2/NDF: 64643.0/80

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 907.459+/-0.147 χ^2/NDF:194163.8/23

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: 909.925+/-0.106 χ^2/NDF: 369277.3/45

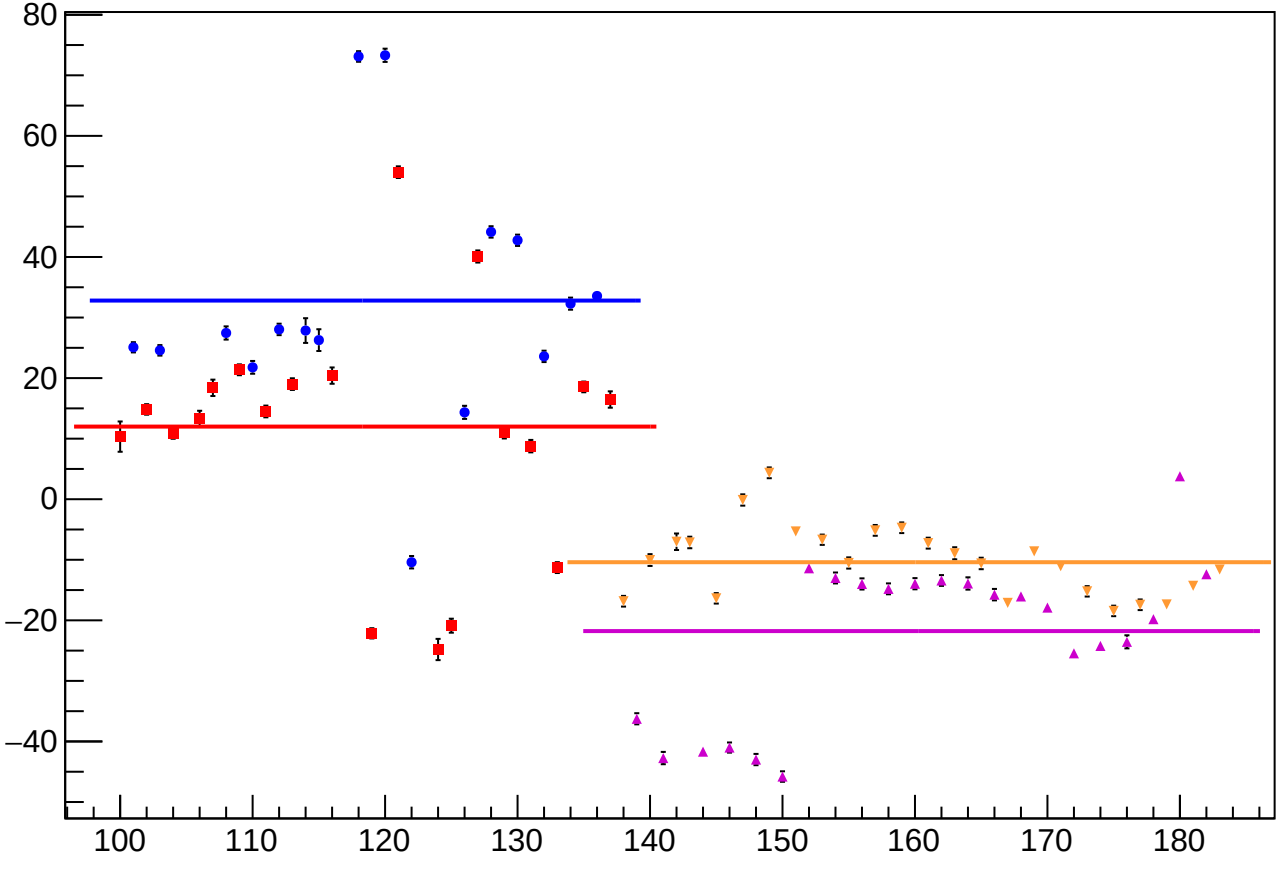
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 863.623+/-0.122 χ^2/NDF:537736.3/37

Out: 864.128+/-0.119 χ^2/NDF:508926.2/42

All: 863.882+/-0.085 χ^2/NDF: 1046671.3/80

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -10.401+/-0.177 χ^2/NDF:1041.7/23

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: -15.892+/-0.127 χ^2/NDF: 8229.2/45

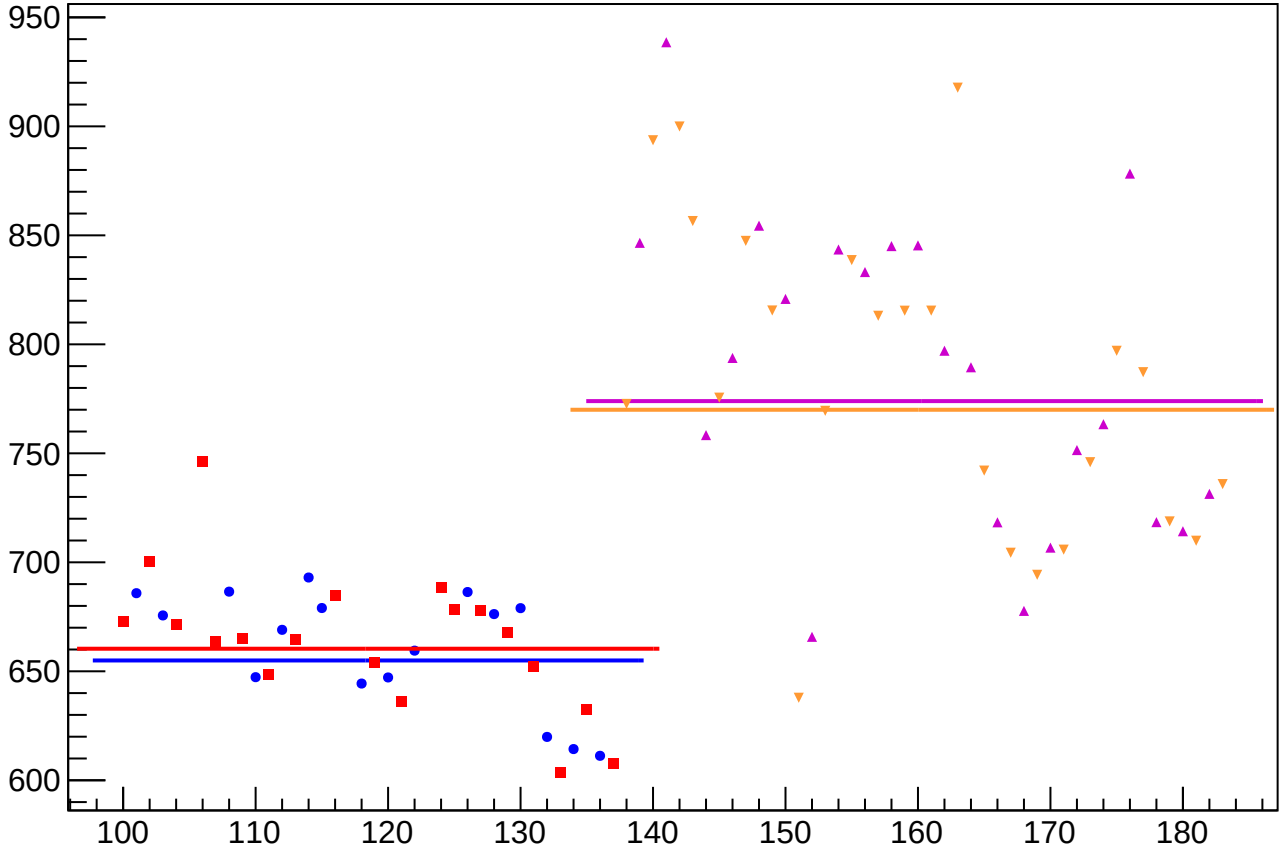
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: -2.012+/-0.147 χ^2/NDF:43501.9/37

Out: -2.546+/-0.143 χ^2/NDF:13201.9/42

All: -2.286+/-0.102 χ^2/NDF: 56710.6/80

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 769.986+/-0.125 χ^2/NDF:304442.7/23

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: 771.900+/-0.090 χ^2/NDF: 587728.6/45

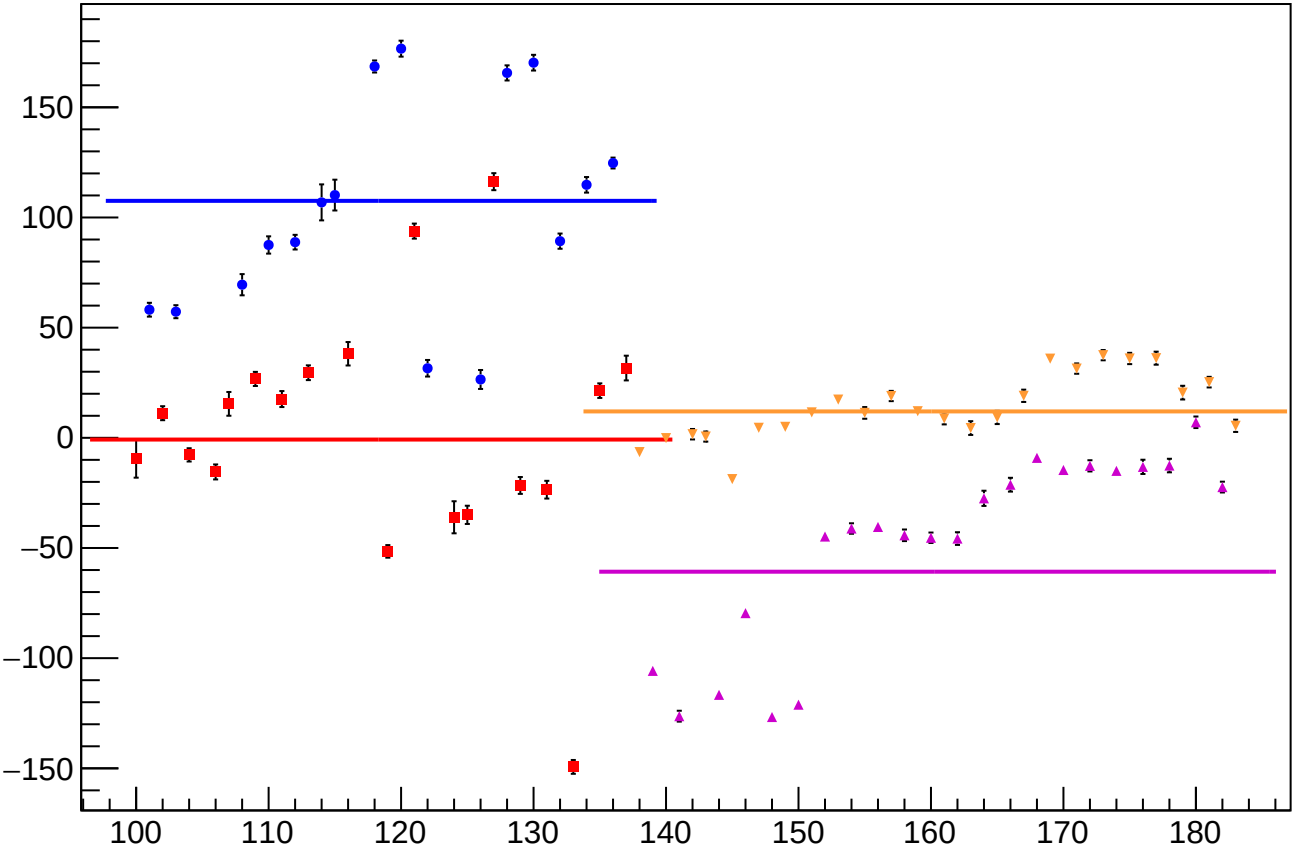
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 730.867+/-0.104 χ^2/NDF:614110.5/37

Out: 731.531+/-0.101 χ^2/NDF:603275.1/42

All: 731.207+/-0.072 χ^2/NDF: 1217406.6/80

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 11.983+/-0.474 χ^2/NDF:947.1/23

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: -23.644+/-0.339 χ^2/NDF: 21109.0/45

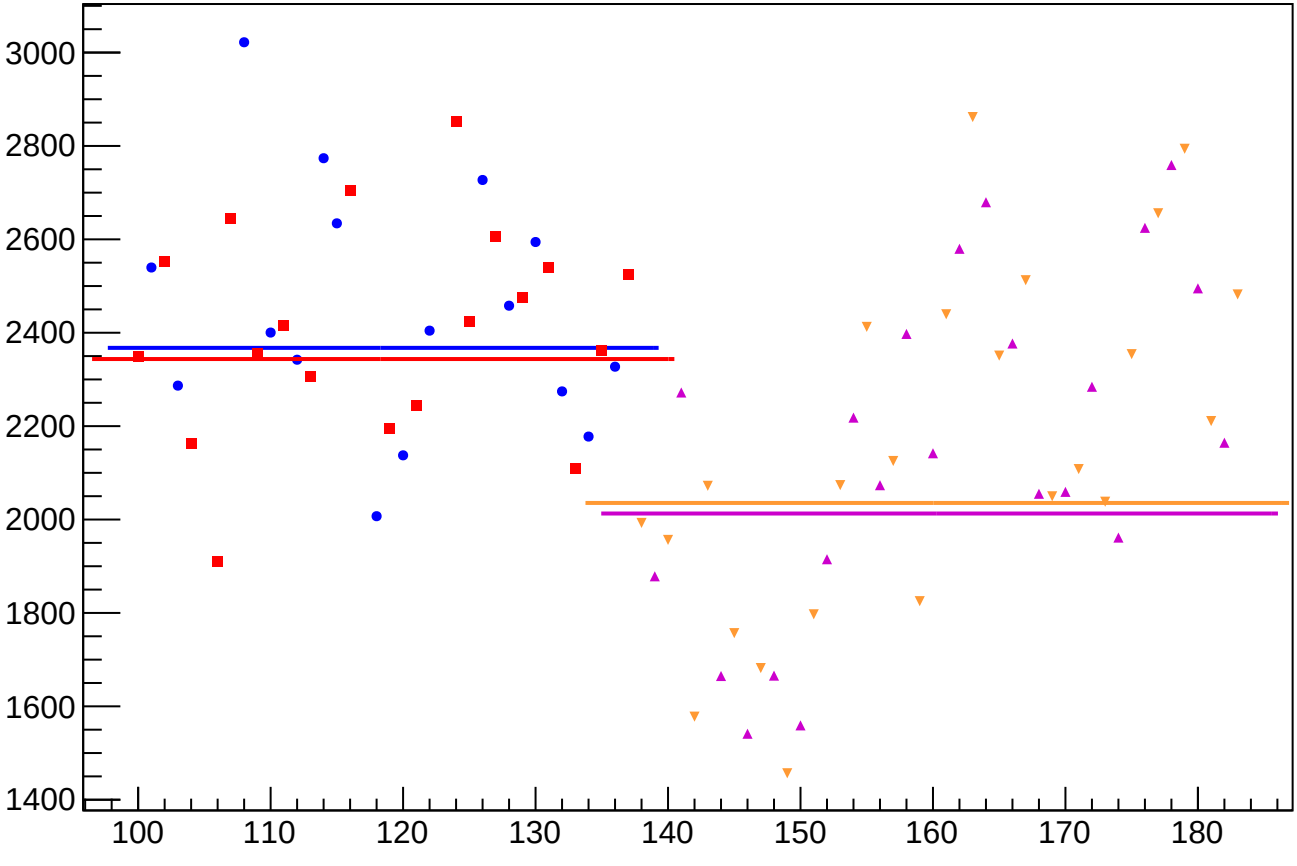
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -22.052+/-0.425 χ^2/NDF:39413.5/37

Out: 9.011+/-0.415 χ^2/NDF:5879.9/42

All: -6.175+/-0.297 χ^2/NDF: 48029.2/80

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 2035.545+/-0.335 χ^2/NDF:1114625.6/23

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: 2024.457+/-0.239 χ^2/NDF: 2153194.3/45

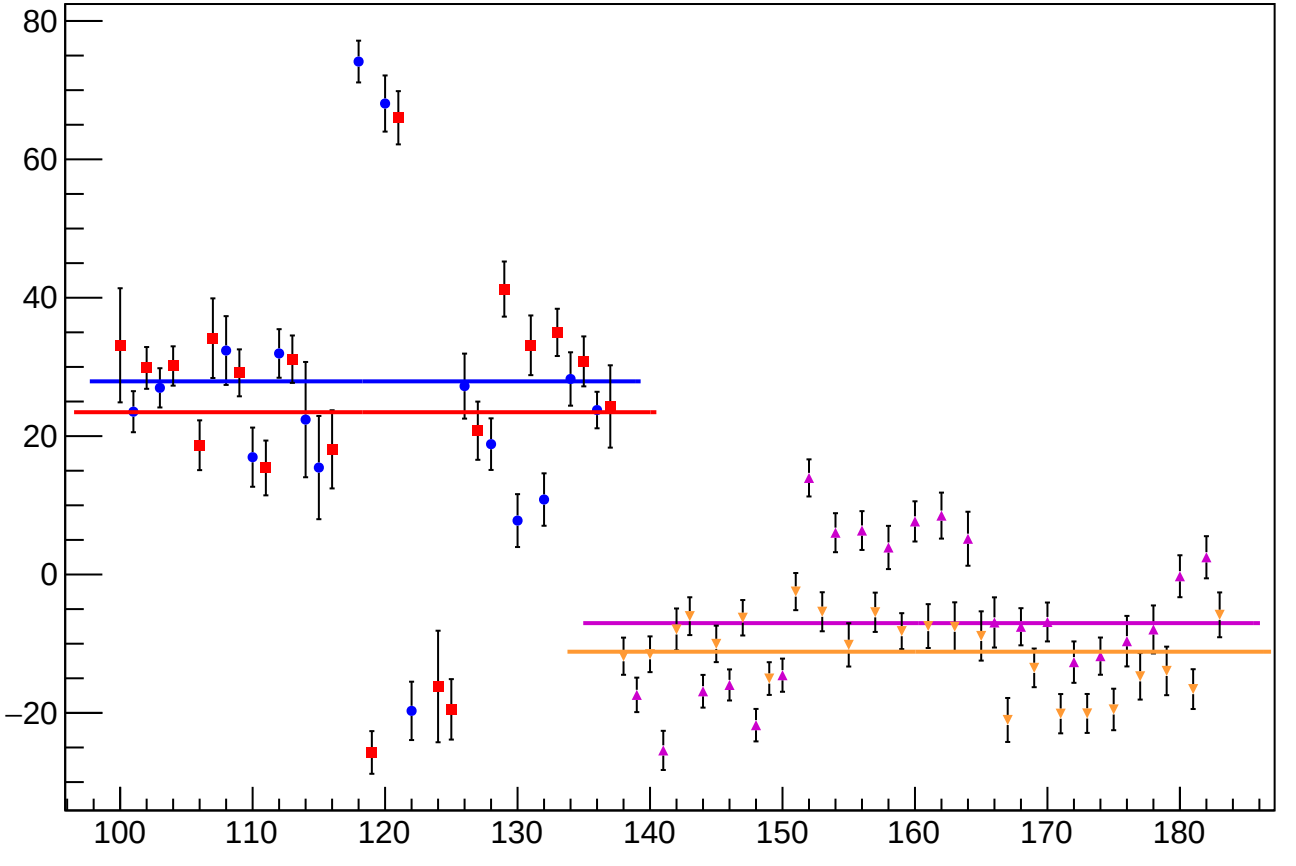
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2094.491+/-0.300 χ^2/NDF:1410327.0/37

Out: 2107.250+/-0.294 χ^2/NDF:1423564.6/42

All: 2101.012+/-0.210 χ^2/NDF: 2834814.8/80

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -11.158+/-0.589 χ^2/NDF:80.3/23

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.026+/-0.603 χ^2/NDF:339.2/21

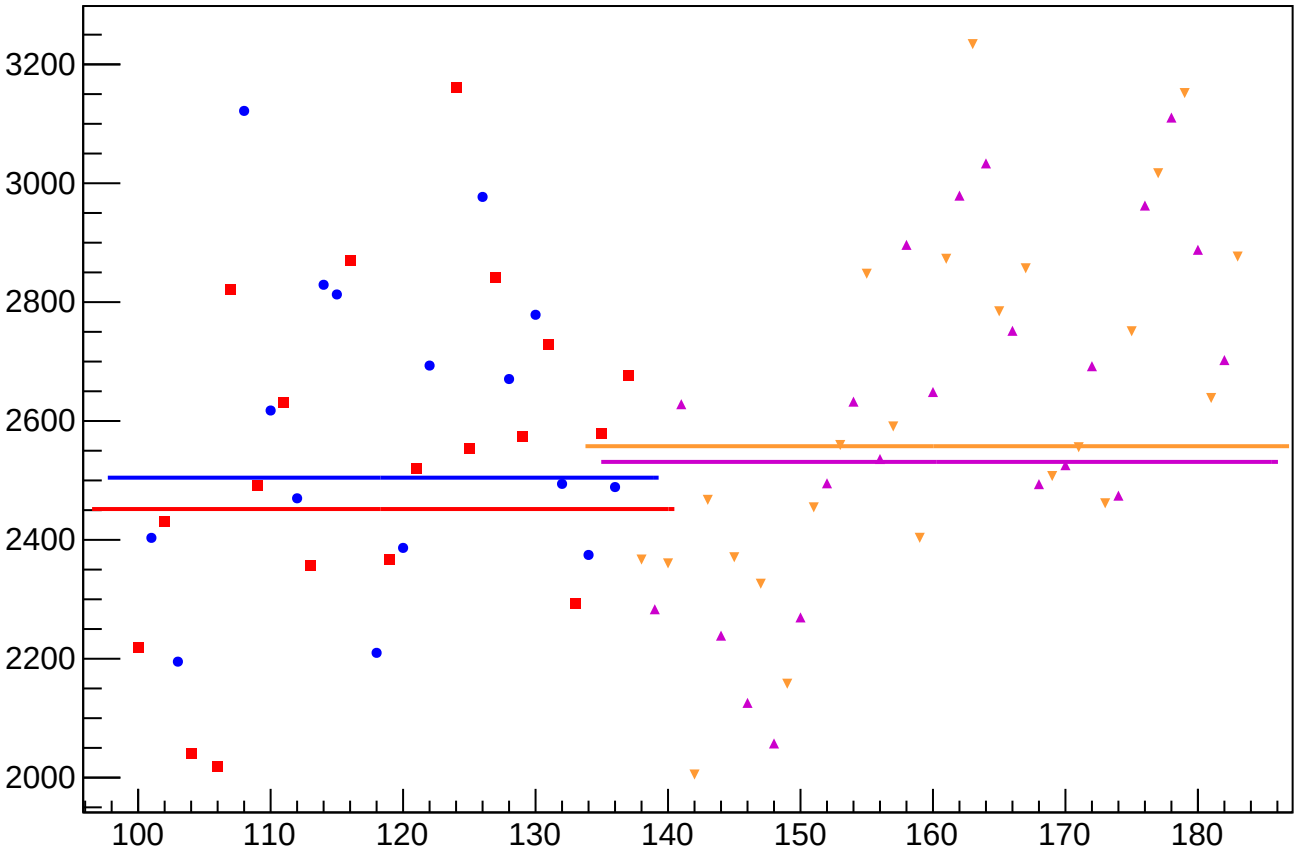
Left: -9.138+/-0.421 χ^2/NDF: 443.5/45

Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 3.201+/-0.507 χ^2/NDF:1854.0/37

Out: -0.811+/-0.493 χ^2/NDF:1679.2/42

All: 1.141+/-0.354 χ^2/NDF: 3565.4/80



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2557.590+/-0.417 χ^2/NDF:447492.3/23

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: 2544.682+/-0.298 χ^2/NDF: 907874.5/45

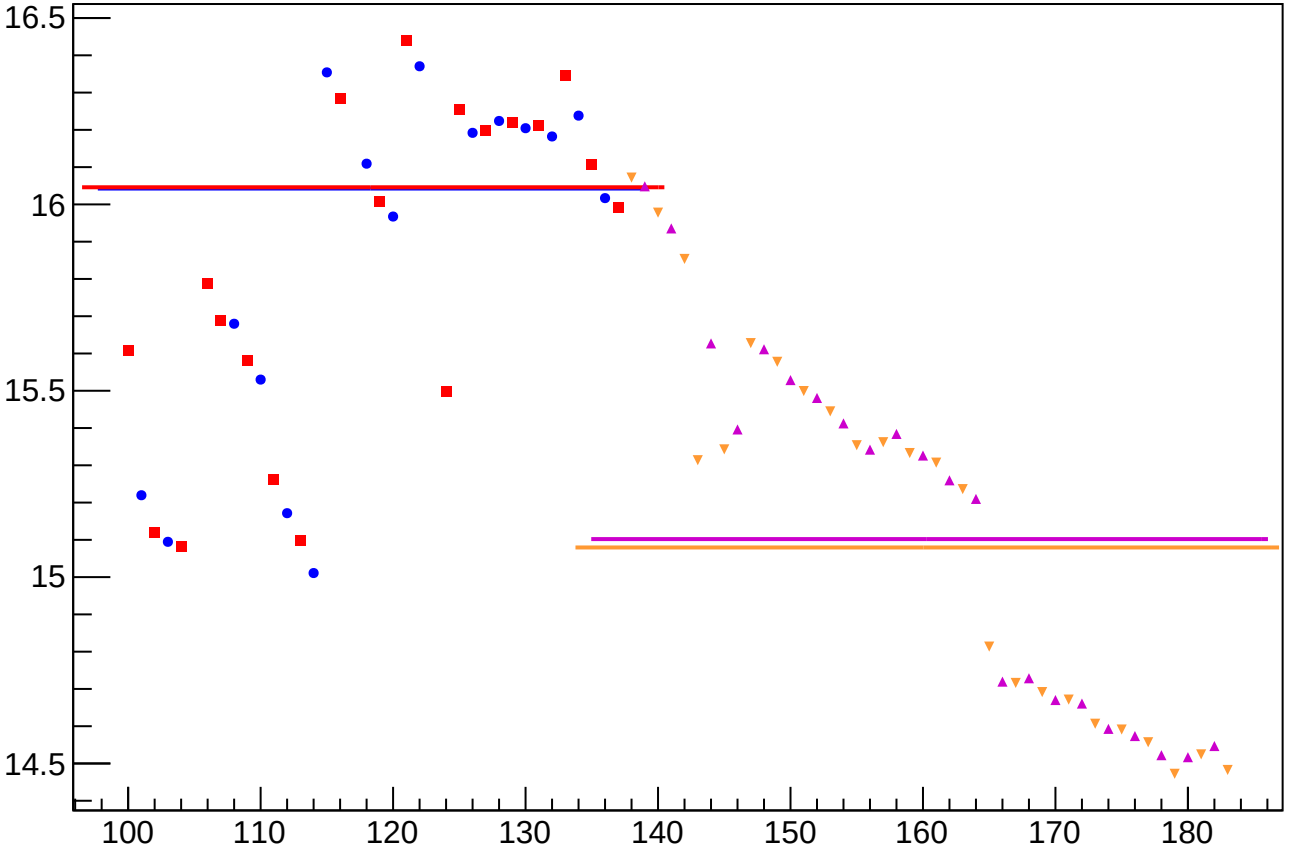
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2523.422+/-0.358 χ^2/NDF:586154.1/37

Out: 2525.993+/-0.349 χ^2/NDF:619961.9/42

All: 2524.742+/-0.250 χ^2/NDF: 1206142.4/80

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.080+/-0.000 χ^2/NDF:42837648482.1/23

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: 15.090+/-0.000 χ^2/NDF: 80727527651.3/45

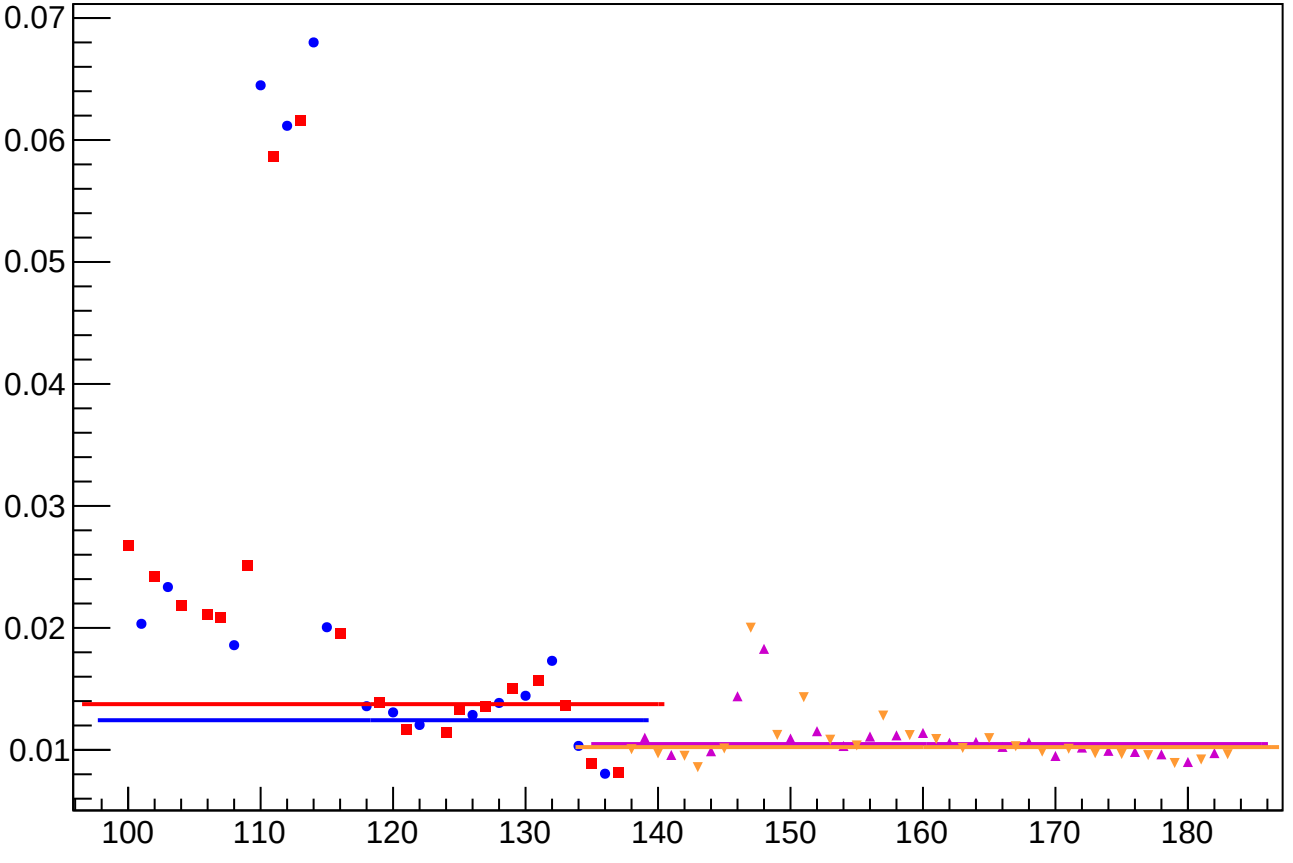
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.279+/-0.000 χ^2/NDF:66276275635.2/37

Out: 15.224+/-0.000 χ^2/NDF:70284589487.6/42

All: 15.251+/-0.000 χ^2/NDF: 136851351225.

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:757670.1/23

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: 1335086.8/45

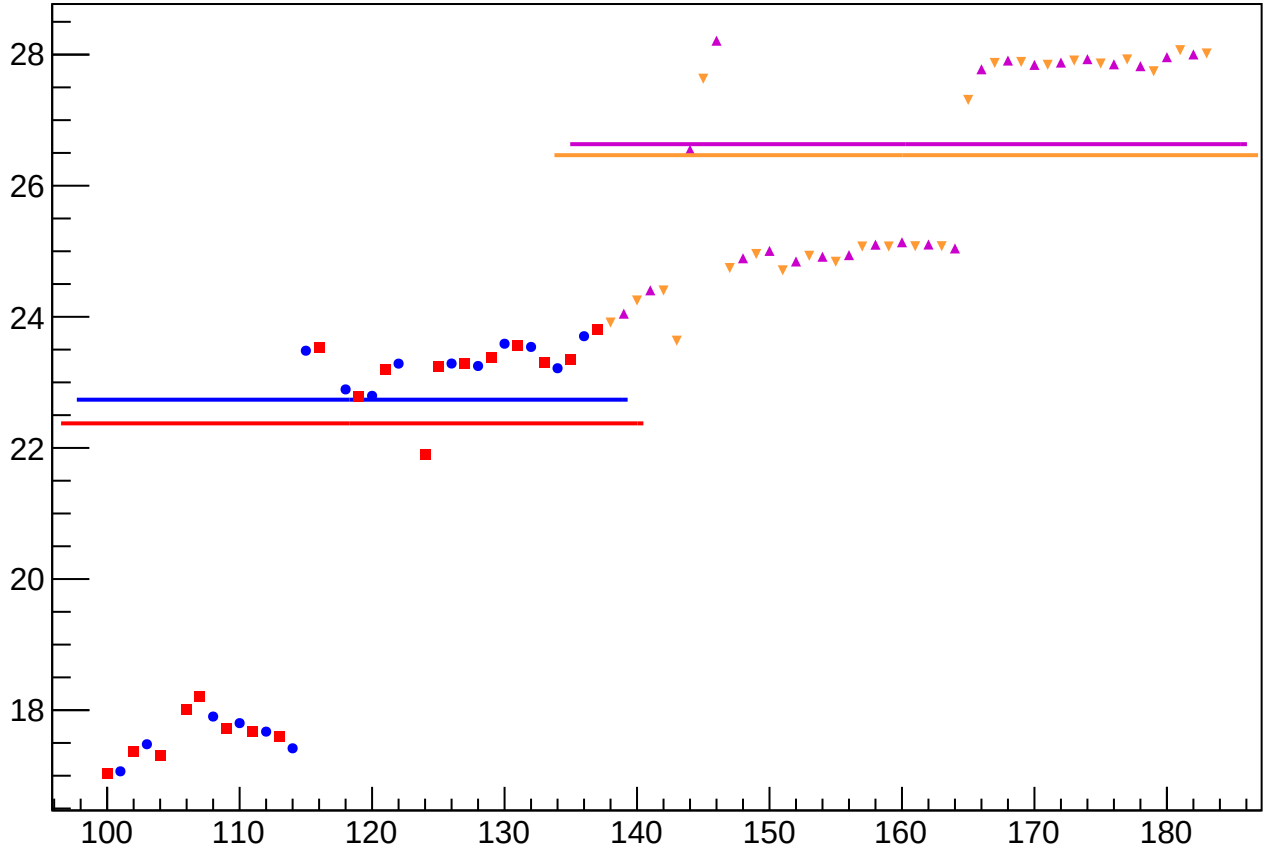
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:3105242.5/37

Out: 0.011+/-0.000 χ^2/NDF:3622953.9/42

All: 0.011+/-0.000 χ^2/NDF: 6729757.6/80

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 26.466+/-0.000 χ^2/NDF:3828527474.4/23

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: 26.546+/-0.000 χ^2/NDF: 6692487891.4/45

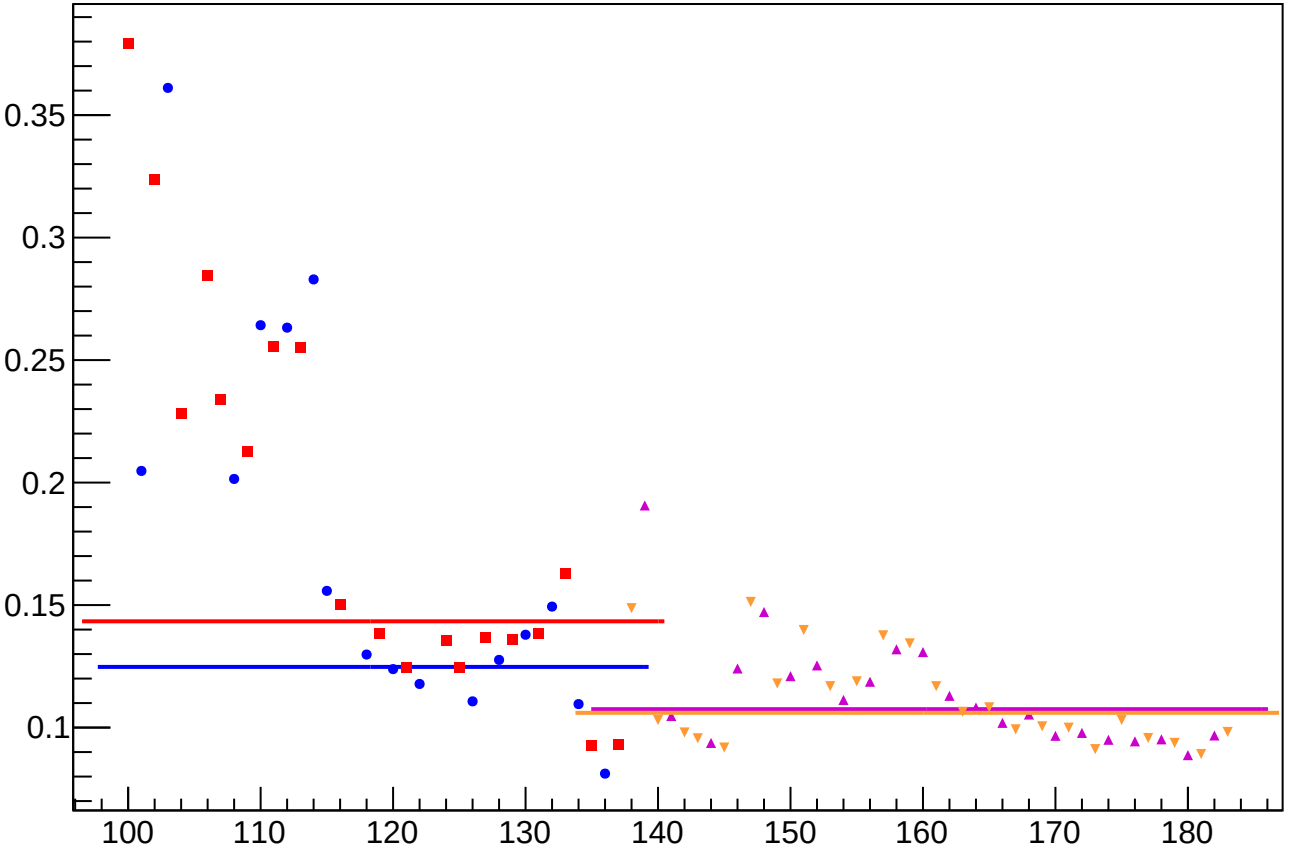
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 25.834+/-0.000 χ^2/NDF:8213979910.3/37

Out: 25.807+/-0.000 χ^2/NDF:8968930654.1/42

All: 25.820+/-0.000 χ^2/NDF: 17183561513.2

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:747728.7/23

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: 1602406.4/45

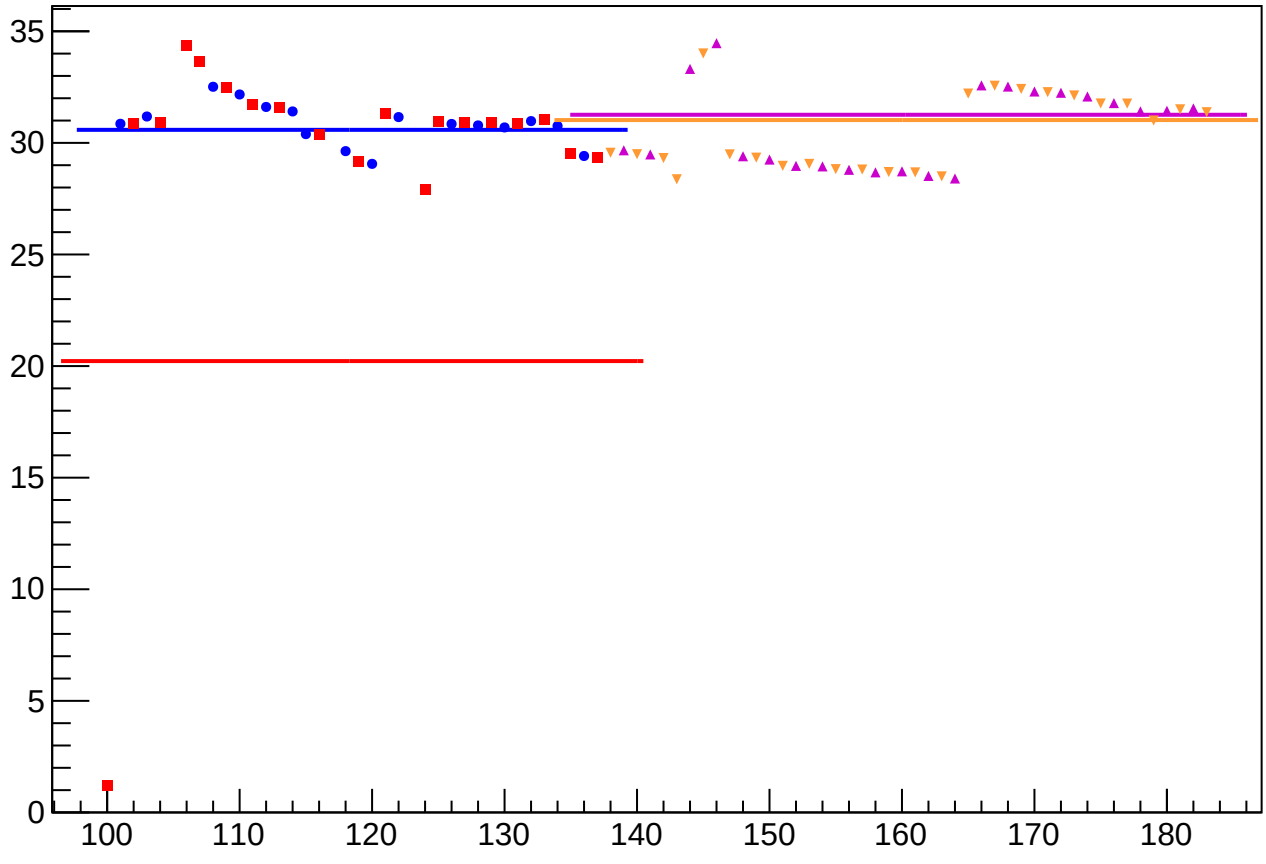
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.111+/-0.000 χ^2/NDF:2763893.6/37

Out: 0.112+/-0.000 χ^2/NDF:2972079.8/42

All: 0.112+/-0.000 χ^2/NDF: 5737623.1/80

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 31.022+/-0.000 χ^2/NDF:11866953625.6/23

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: 31.139+/-0.000 χ^2/NDF: 24568531111.3/45

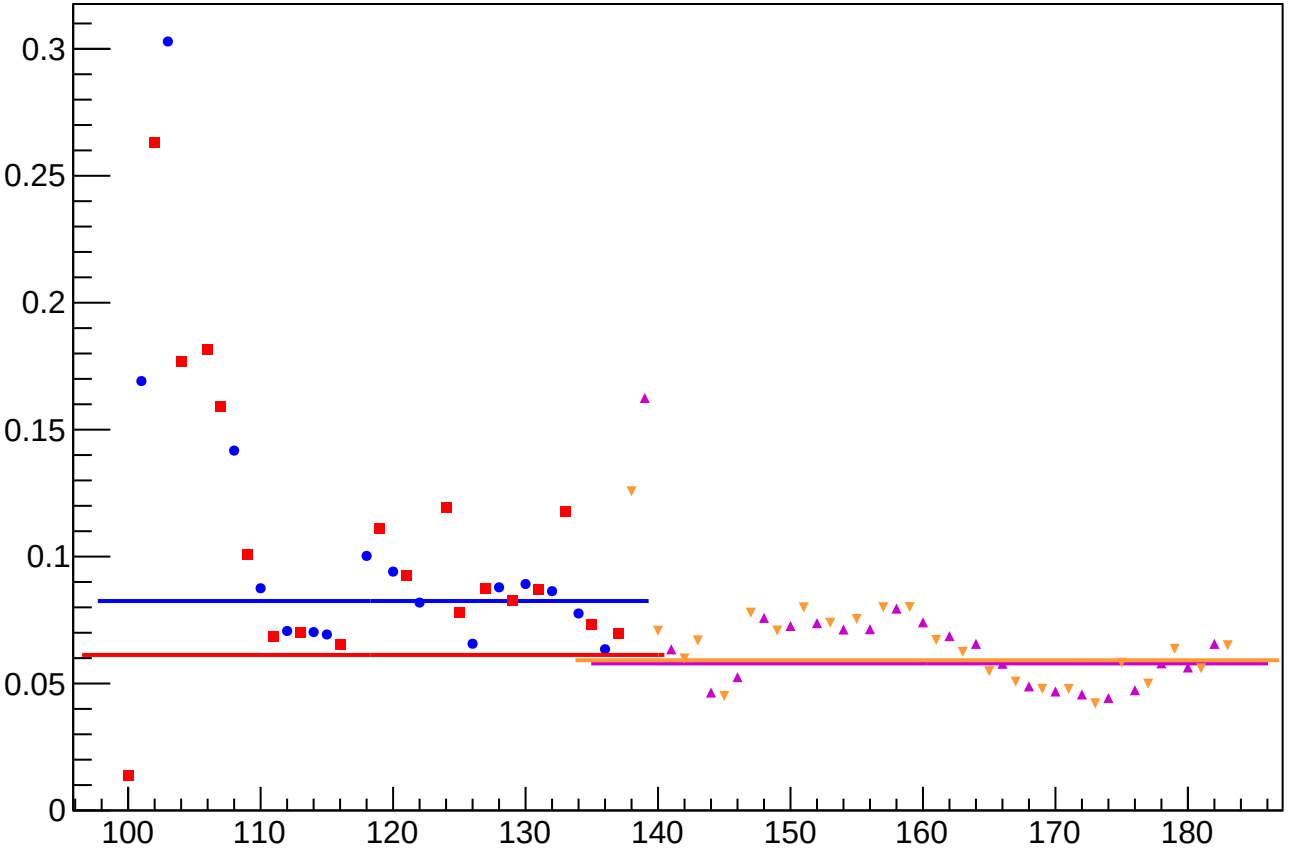
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.152+/-0.000 χ^2/NDF:13533951398.3/37

Out: 28.797+/-0.000 χ^2/NDF:333859805108.5/42

All: 29.923+/-0.000 χ^2/NDF: 361392800899.

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:1519894.9/23

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: 0.059+/-0.000 χ^2/NDF: 3240726.8/45

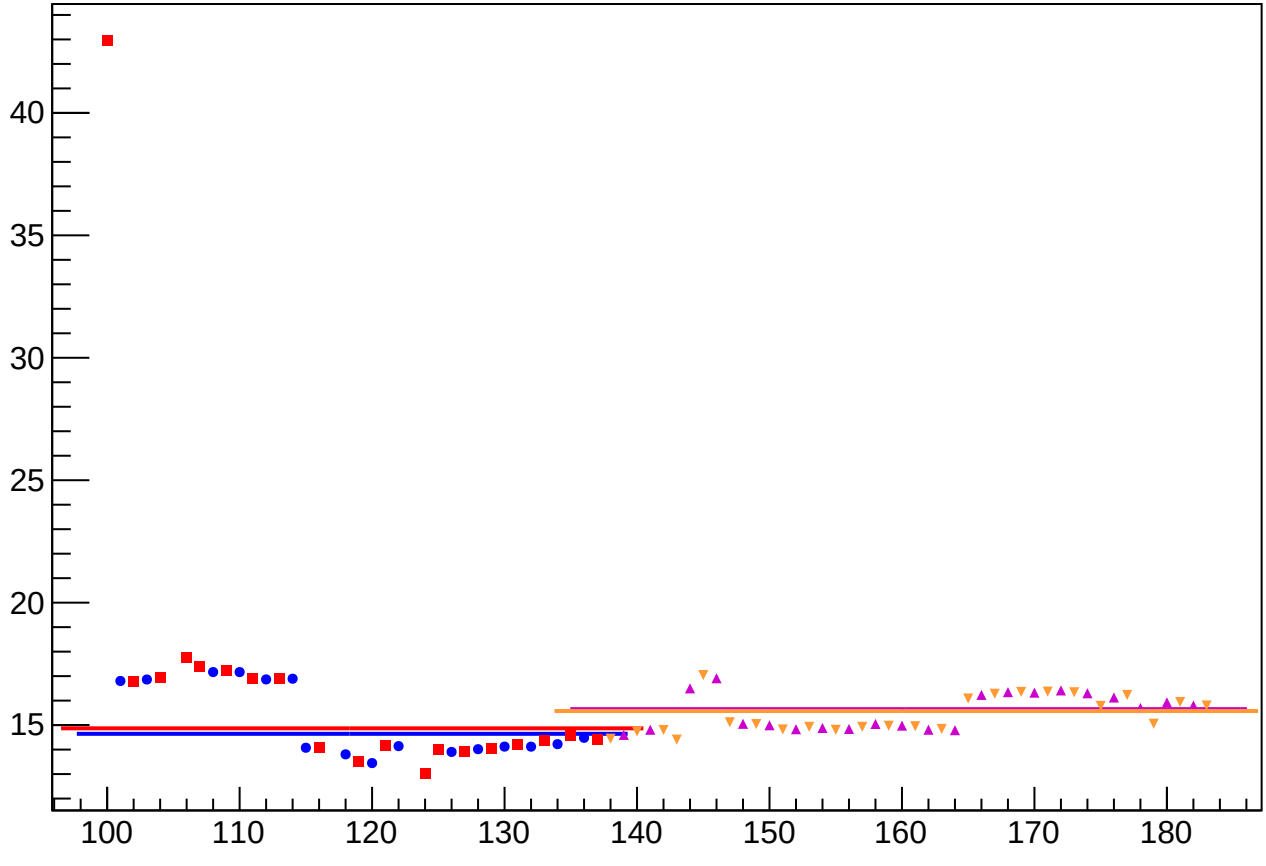
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.062+/-0.000 χ^2/NDF:3761151.2/37

Out: 0.060+/-0.000 χ^2/NDF:5541908.9/42

All: 0.061+/-0.000 χ^2/NDF: 9329081.1/80

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.575+/-0.000 χ^2/NDF:2205070849.8/23

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: 15.612+/-0.000 χ^2/NDF: 4061170783.3/45

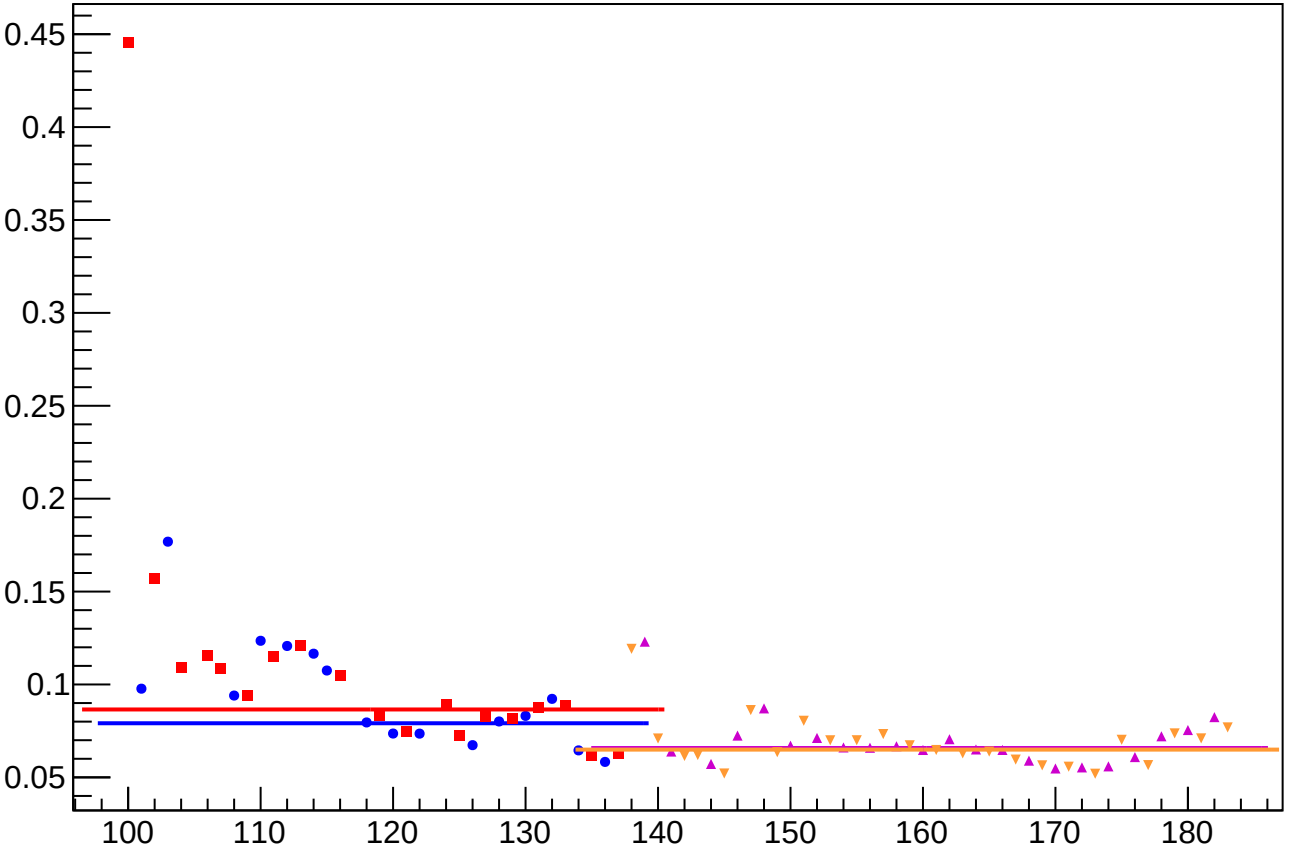
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.440+/-0.000 χ^2/NDF:3791560732.2/37

Out: 15.450+/-0.000 χ^2/NDF:4272339034.0/42

All: 15.445+/-0.000 χ^2/NDF: 8064115680.8/8

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:843093.2/23

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: 1630052.3/45

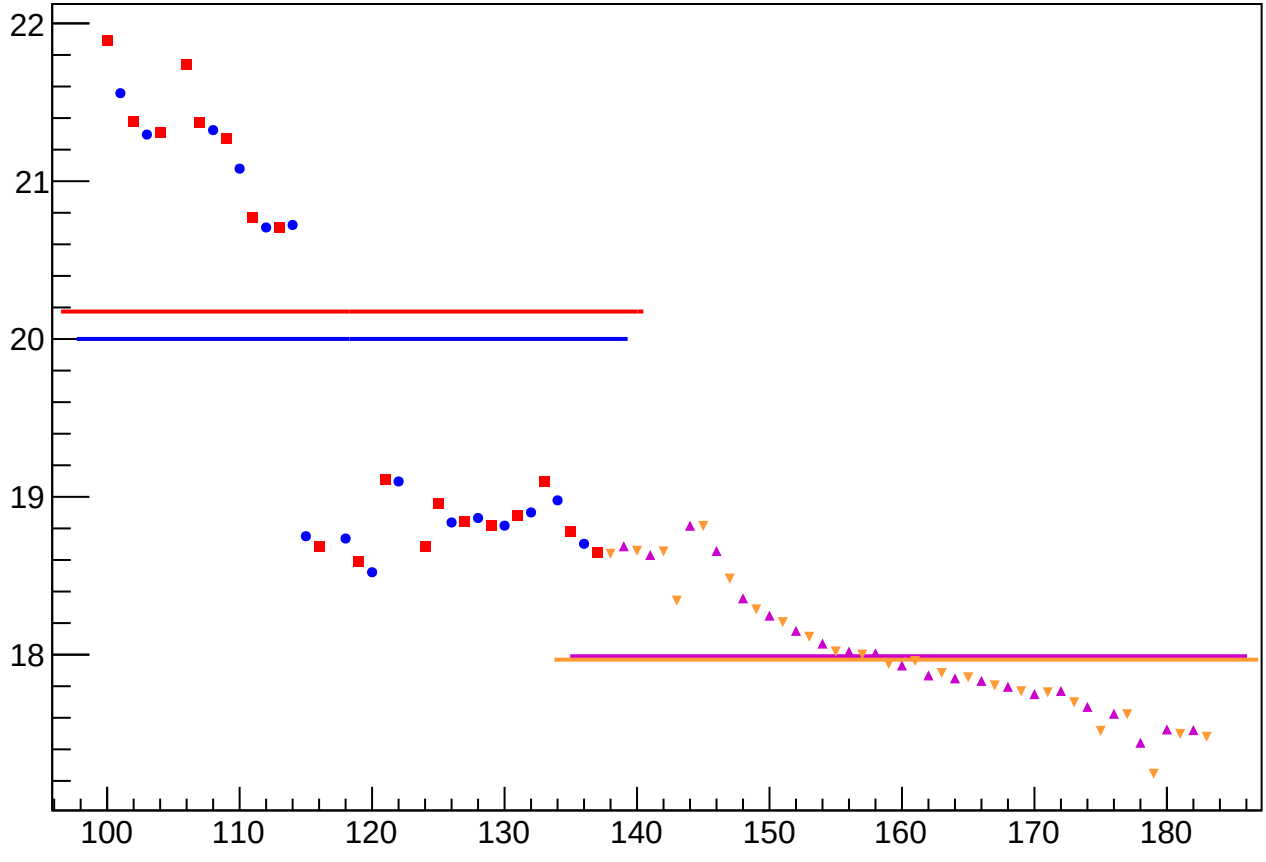
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.069+/-0.000 χ^2/NDF:1965425.6/37

Out: 0.069+/-0.000 χ^2/NDF:2267466.0/42

All: 0.069+/-0.000 χ^2/NDF: 4232988.2/80

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 17.969+/-0.000 χ^2/NDF:3008609799.9/23

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: 17.979+/-0.000 χ^2/NDF: 5612560378.2/45

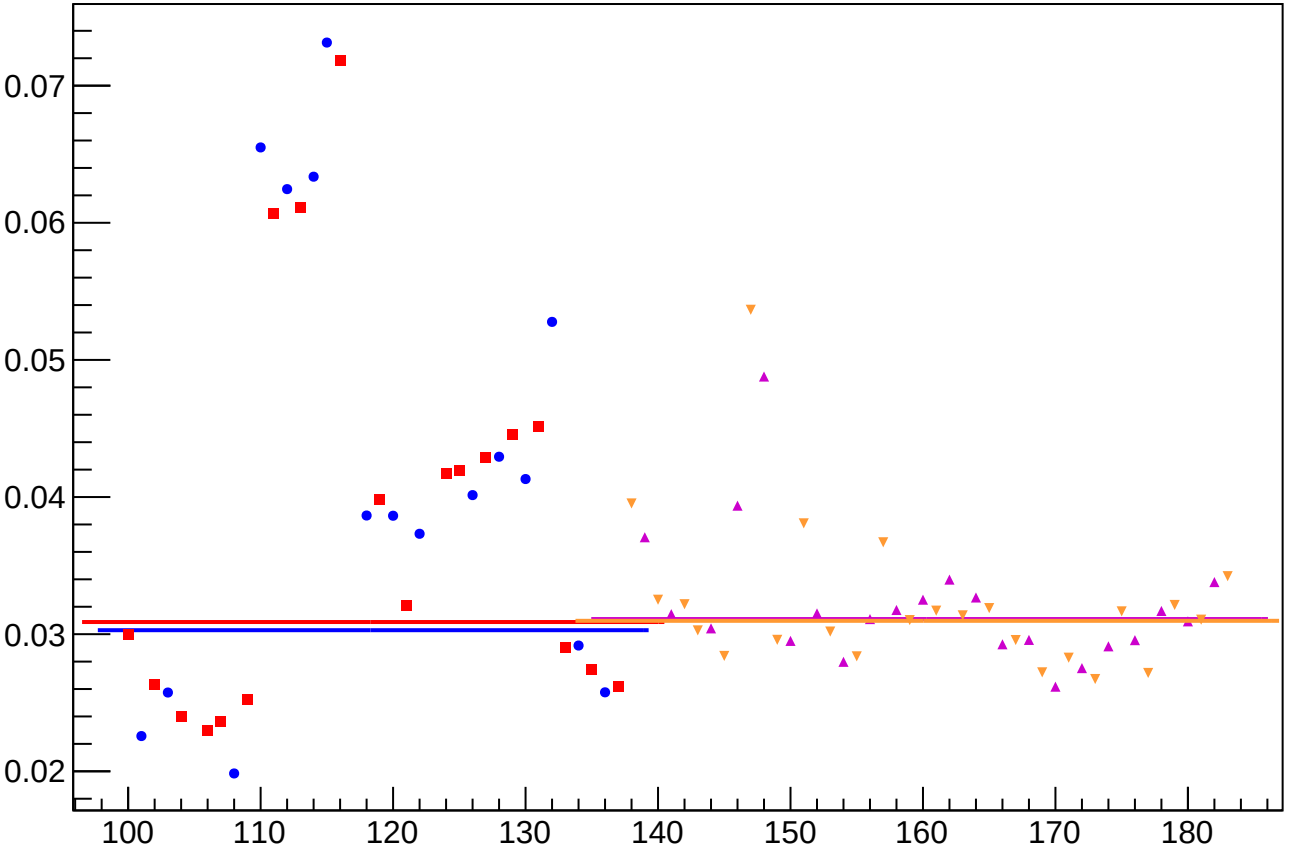
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.532+/-0.000 χ^2/NDF:32671770576.0/37

Out: 18.536+/-0.000 χ^2/NDF:36991022775.6/42

All: 18.534+/-0.000 χ^2/NDF: 69663031607.3

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:619505.8/23

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: 1099620.0/45

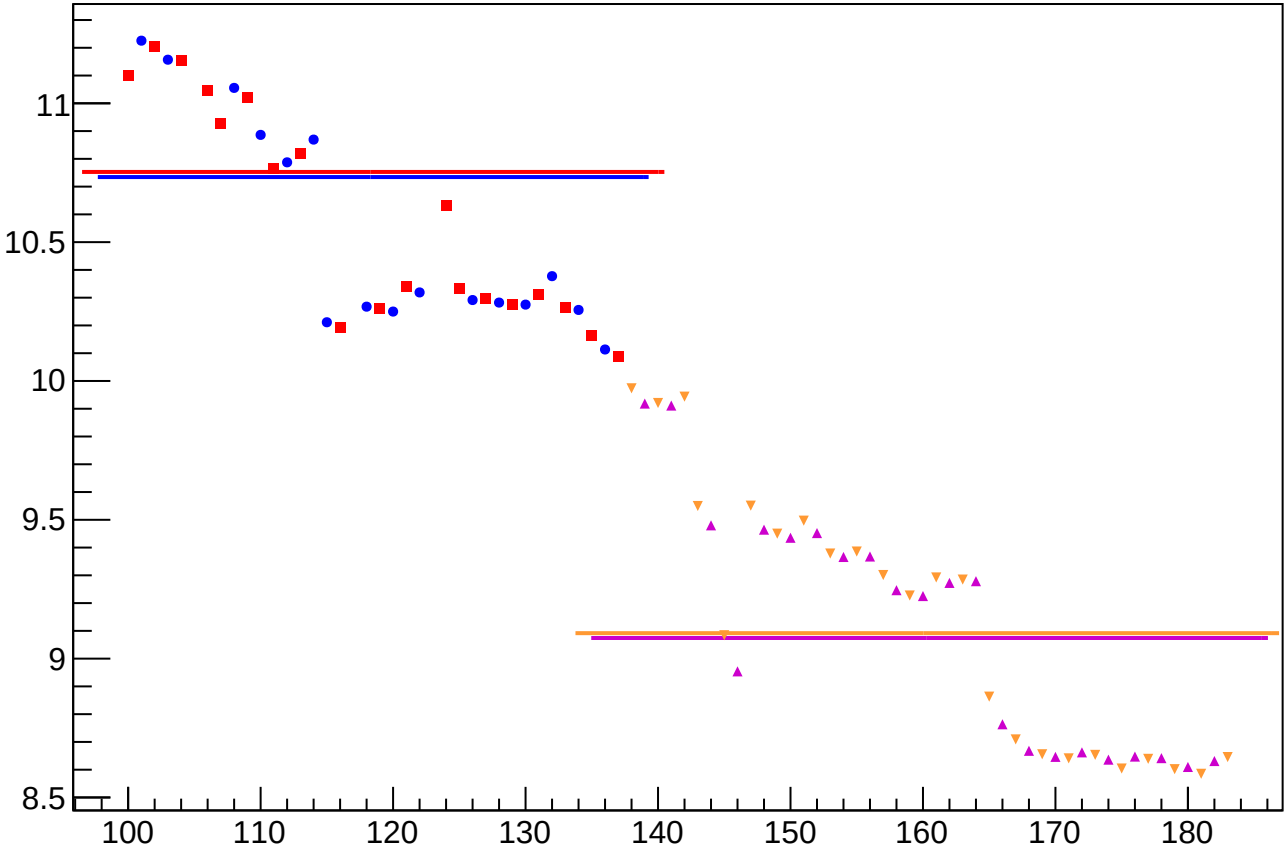
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1933459.4/37

Out: 0.031+/-0.000 χ^2/NDF:1824310.1/42

All: 0.031+/-0.000 χ^2/NDF: 3757883.7/80

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.092+/-0.000 χ^2/NDF:10065411466.4/23

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: 9.083+/-0.000 χ^2/NDF: 17963978730.3/45

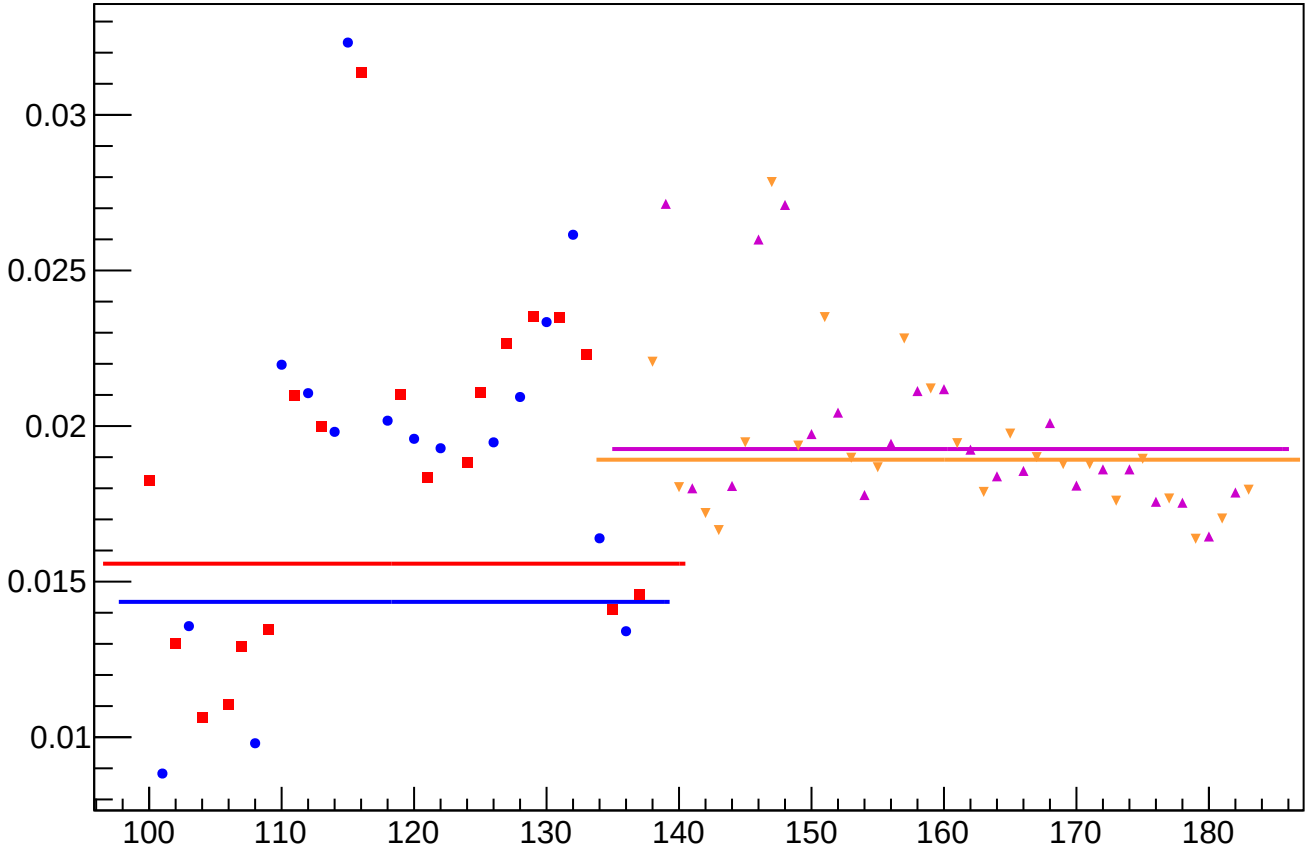
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 9.715+/-0.000 χ^2/NDF:60491282238.1/37

Out: 9.664+/-0.000 χ^2/NDF:60528922052.6/42

All: 9.689+/-0.000 χ^2/NDF: 121114141132.0

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:437952.5/23

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: 980232.0/45

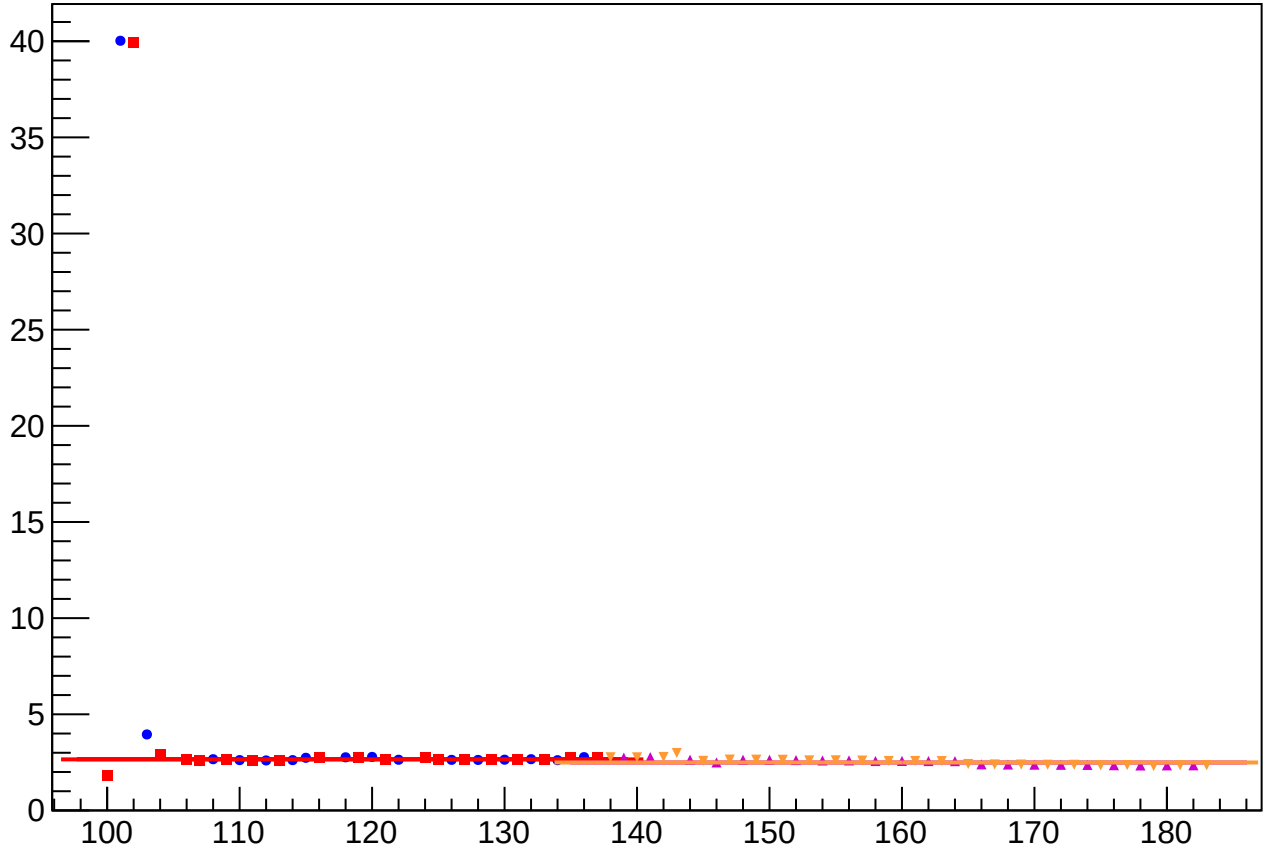
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2836709.3/37

Out: 0.018+/-0.000 χ^2/NDF:1883252.4/42

All: 0.018+/-0.000 χ^2/NDF: 4731679.4/80

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.495+/-0.000 χ^2/NDF:91036582586.4/23

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: 2.493+/-0.000 χ^2/NDF: 150231099993.6/45

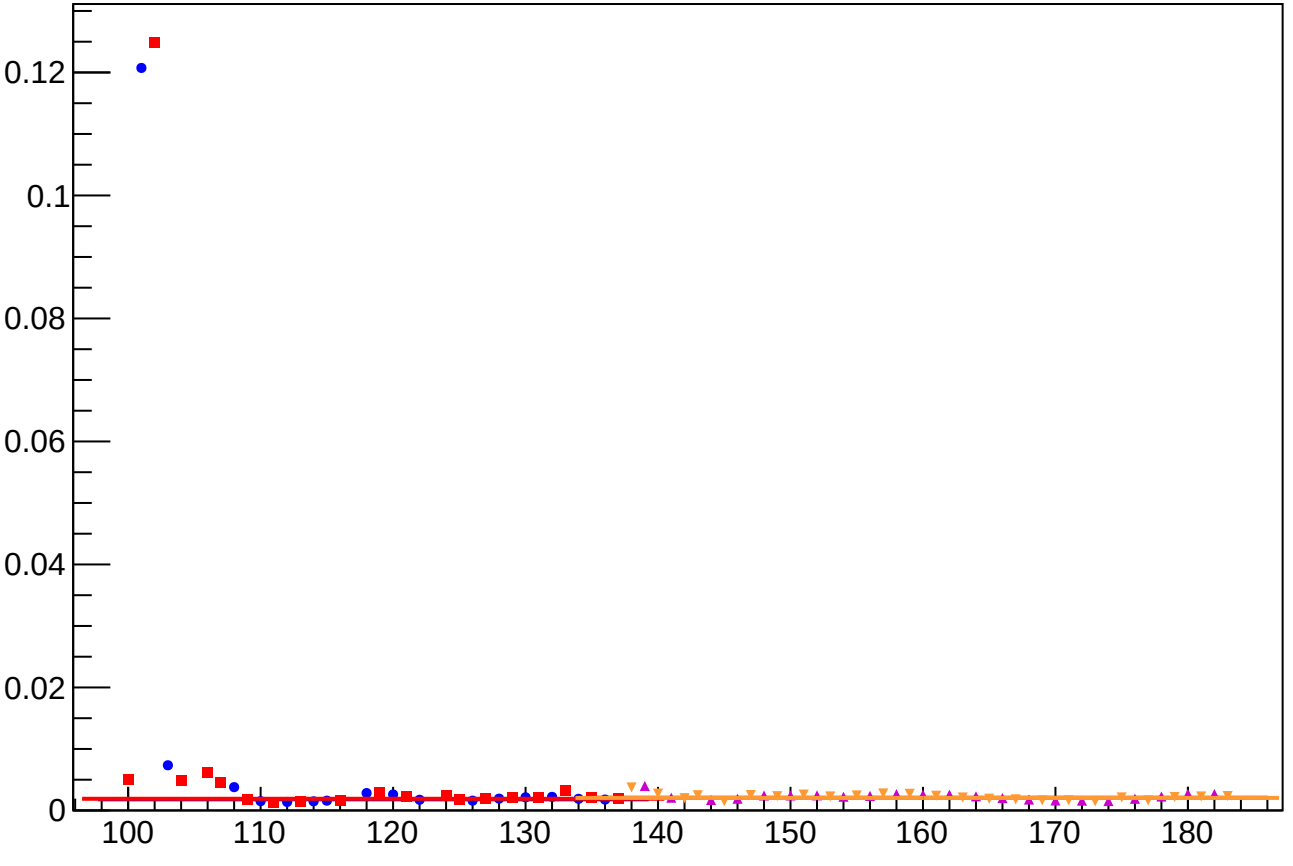
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.543+/-0.000 χ^2/NDF:156853283907.6/37

Out: 2.539+/-0.000 χ^2/NDF:182741415734.2/42

All: 2.541+/-0.000 χ^2/NDF: 339639068007.7

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:1502138.3/23

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: 2905688.0/45

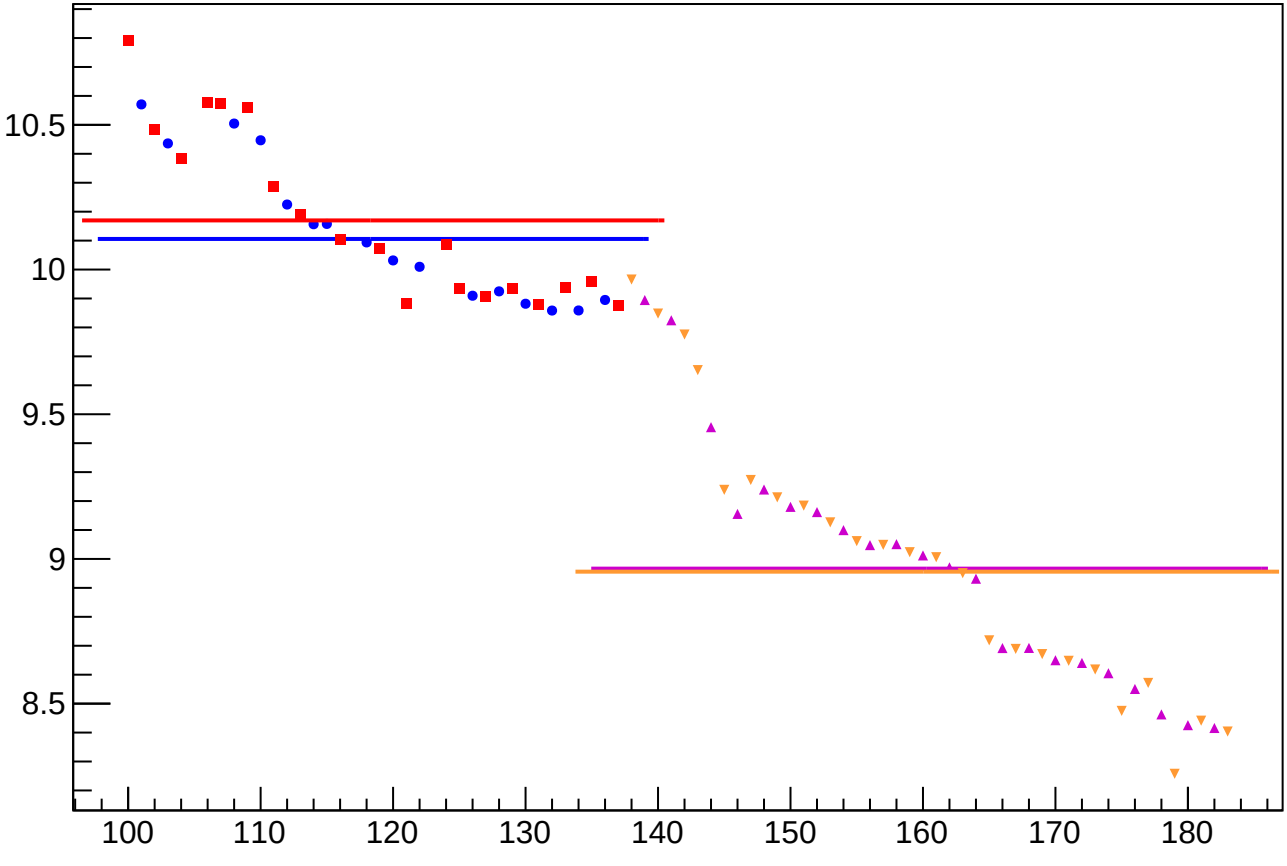
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:3353498.4/37

Out: 0.002+/-0.000 χ^2/NDF:4067099.2/42

All: 0.002+/-0.000 χ^2/NDF: 7420900.0/80

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 8.956+/-0.000 χ^2/NDF:63703067842.7/23

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 8.966+/-0.000 χ^2/NDF:48764809817.6/21

Left: 8.961+/-0.000 χ^2/NDF: 112488554493.9/45

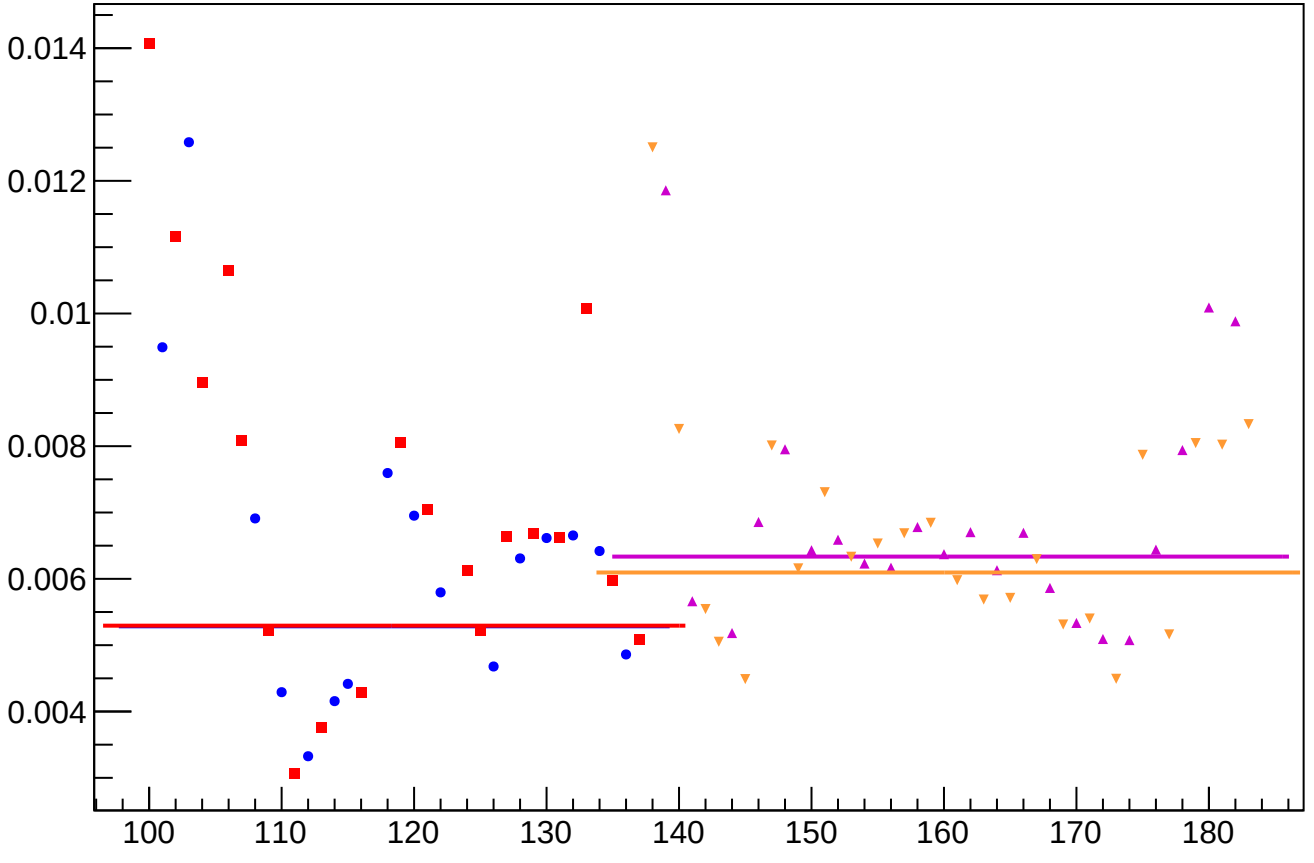
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.367+/-0.000 χ^2/NDF:220676356739.9/37

Out: 9.353+/-0.000 χ^2/NDF:268022327878.6/42

All: 9.360+/-0.000 χ^2/NDF: 488755979966.7

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:1408307.2/23

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: 2604526.8/45

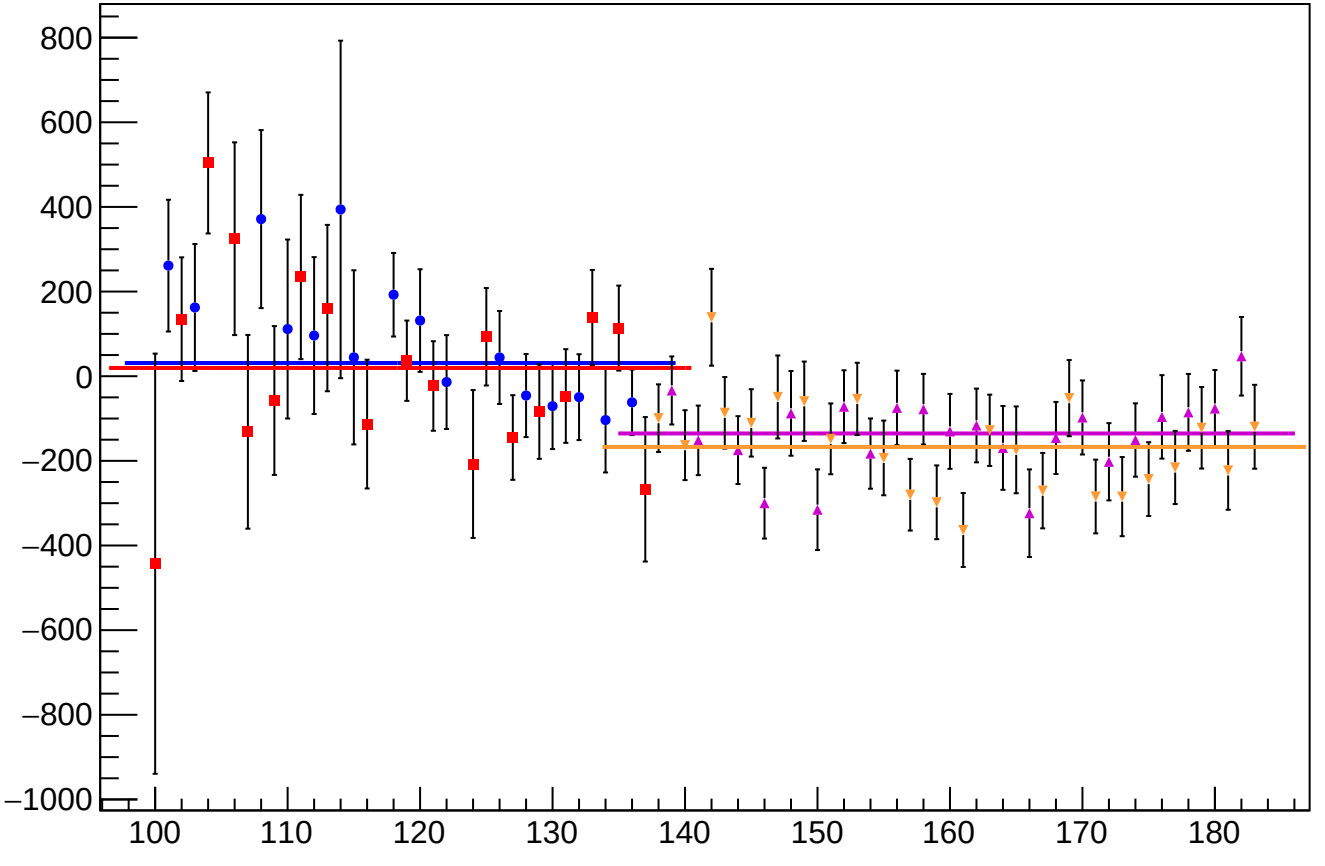
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2725567.7/37

Out: 0.006+/-0.000 χ^2/NDF:3370871.1/42

All: 0.006+/-0.000 χ^2/NDF: 6106501.6/80

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -167.160+/-18.168 χ^2/NDF:31.6/23

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: -151.833+/-13.095 χ^2/NDF: 53.4/45

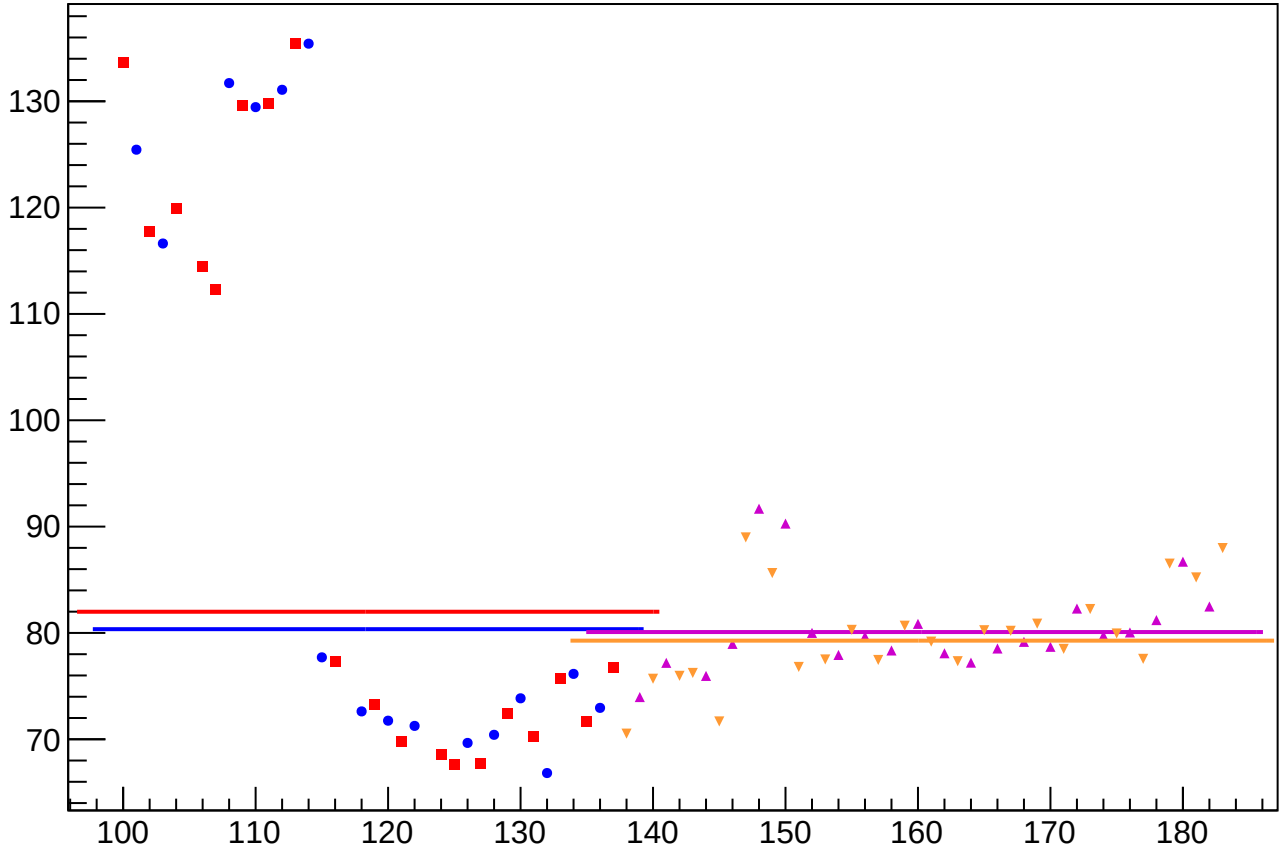
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -89.713+/-16.102 χ^2/NDF:56.7/37

Out: -119.554+/-15.682 χ^2/NDF:84.4/42

All: -105.027+/-11.234 χ^2/NDF: 142.9/80

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 79.275+/-0.013 χ^2/NDF:123474.9/23

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 80.084+/-0.013 χ^2/NDF:89197.0/21

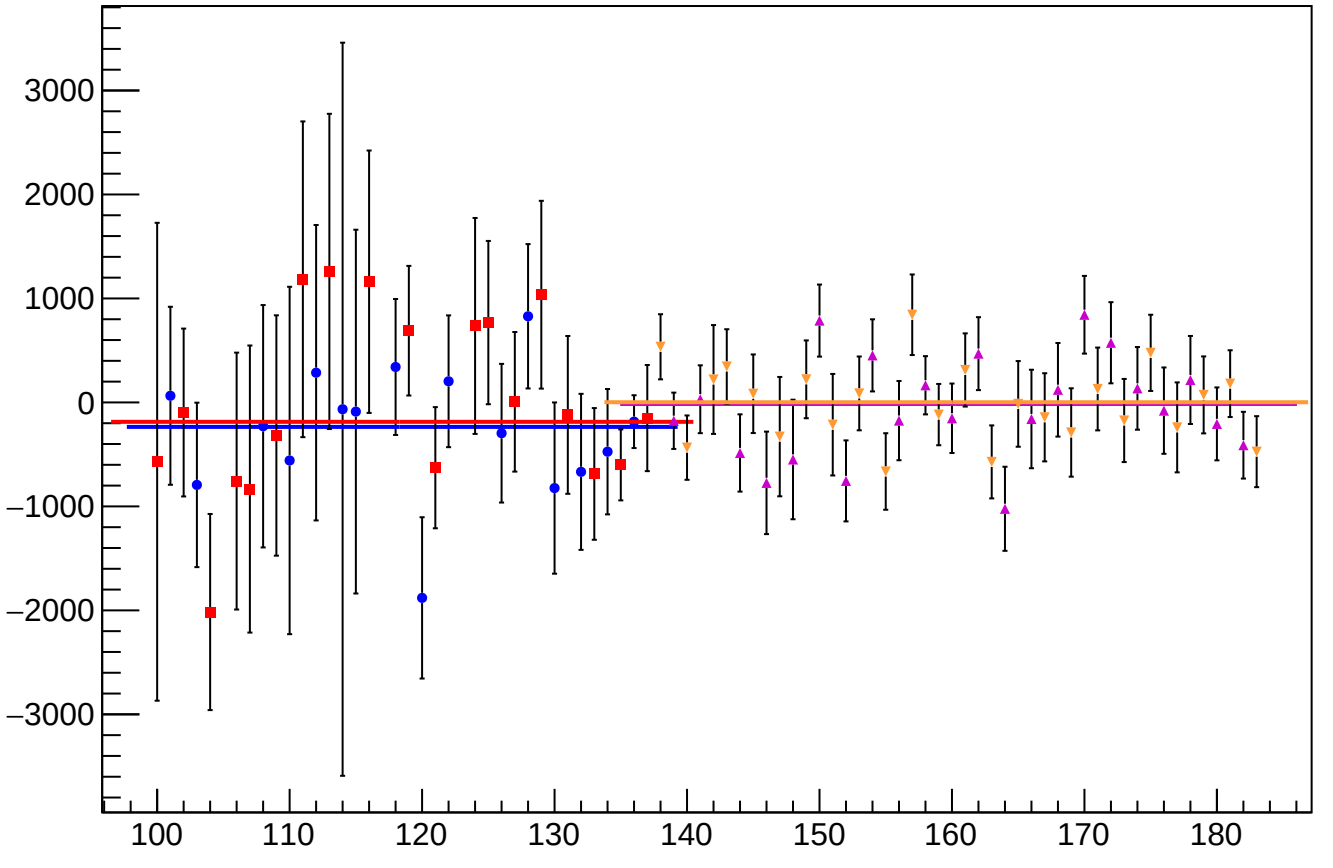
Left: 79.664+/-0.009 χ^2/NDF: 214576.0/45

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 80.158+/-0.011 χ^2/NDF:929348.4/37

Out: 79.968+/-0.011 χ^2/NDF:1067222.7/42

All: 80.060+/-0.008 χ^2/NDF: 1996713.6/80



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 1.957+/-76.468 χ^2/NDF:23.7/23

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: -6.274+/-54.785 χ^2/NDF: 58.6/45

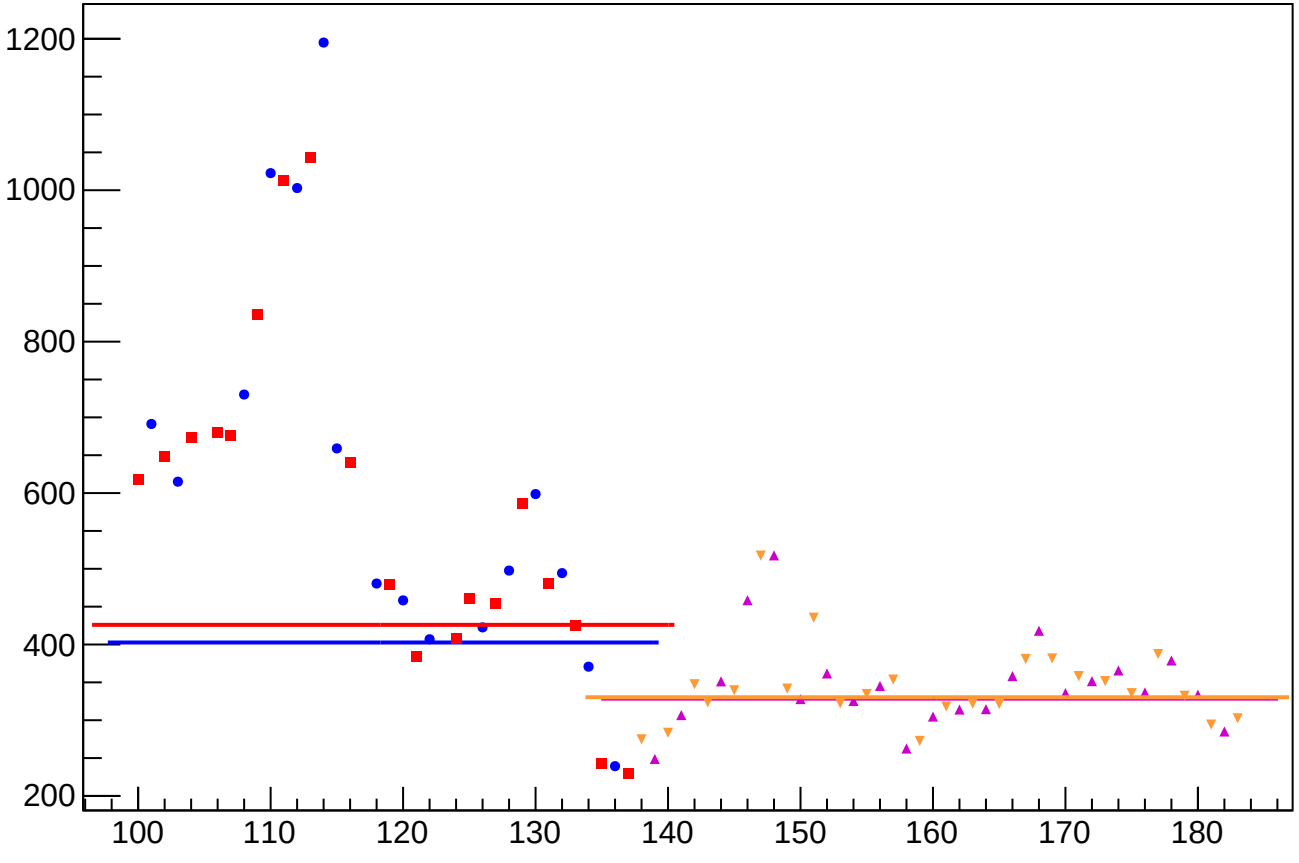
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -56.190+/-70.809 χ^2/NDF:46.3/37

Out: -29.654+/-69.765 χ^2/NDF:40.7/42

All: -42.725+/-49.696 χ^2/NDF: 87.1/80

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 330.326+/-0.054 χ^2/NDF:656460.5/23

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: 329.435+/-0.039 χ^2/NDF: 1525915.4/45

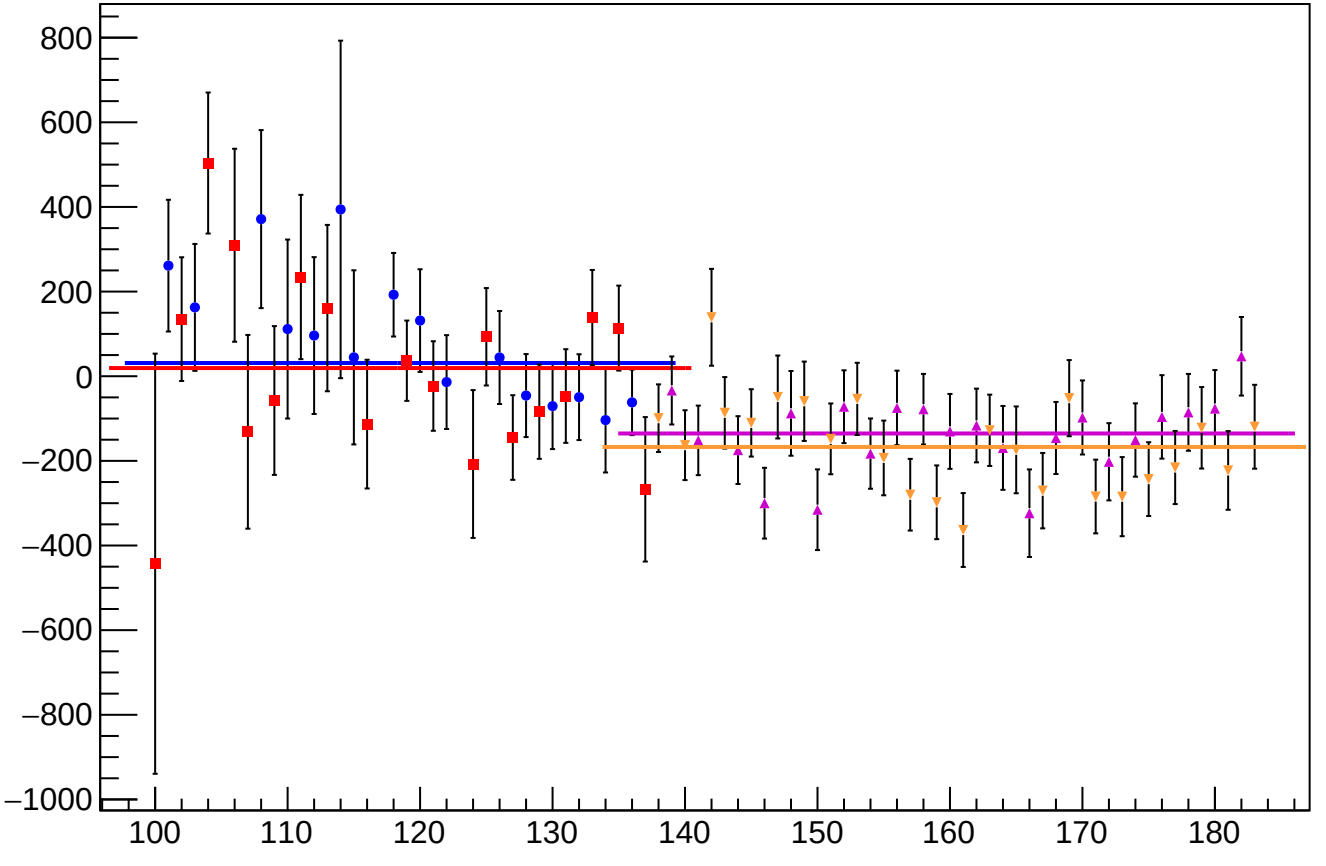
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 342.360+/-0.050 χ^2/NDF:3562471.2/37

Out: 346.360+/-0.049 χ^2/NDF:3549870.0/42

All: 344.390+/-0.035 χ^2/NDF: 7115580.3/80

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -167.157+/-18.168 χ^2/NDF:31.6/23

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: -151.835+/-13.095 χ^2/NDF: 53.4/45

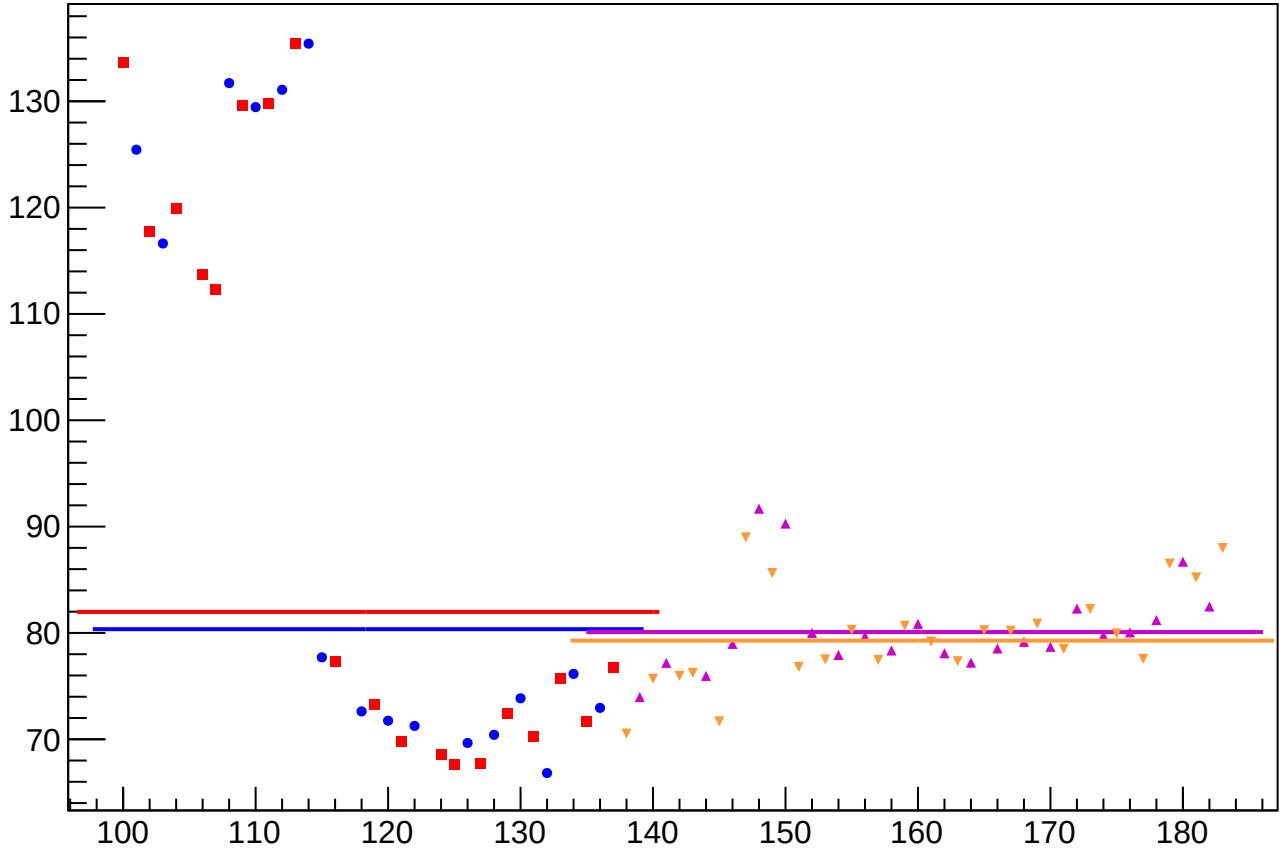
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -89.714+/-16.102 χ^2/NDF:56.7/37

Out: -119.629+/-15.682 χ^2/NDF:84.1/42

All: -105.066+/-11.234 χ^2/NDF: 142.6/80

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 79.275+/-0.013 χ^2/NDF:123474.9/23

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 80.084+/-0.013 χ^2/NDF:89197.0/21

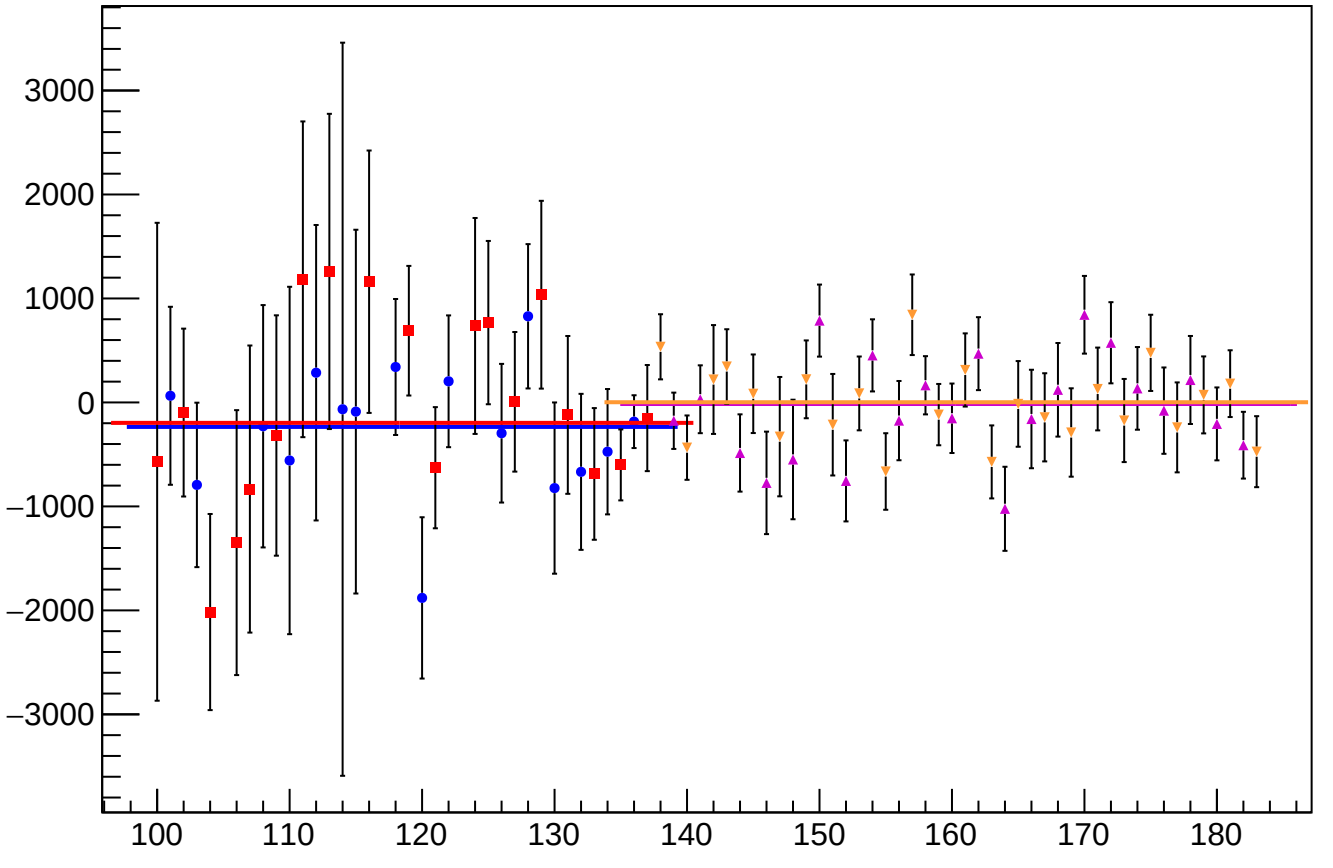
Left: 79.664+/-0.009 χ^2/NDF: 214576.1/45

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.158+/-0.011 χ^2/NDF:929348.6/37

Out: 79.964+/-0.011 χ^2/NDF:1065225.1/42

All: 80.058+/-0.008 χ^2/NDF: 1994722.0/80



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 1.958+/-76.468 χ^2/NDF:23.7/23

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: -6.276+/-54.785 χ^2/NDF: 58.6/45

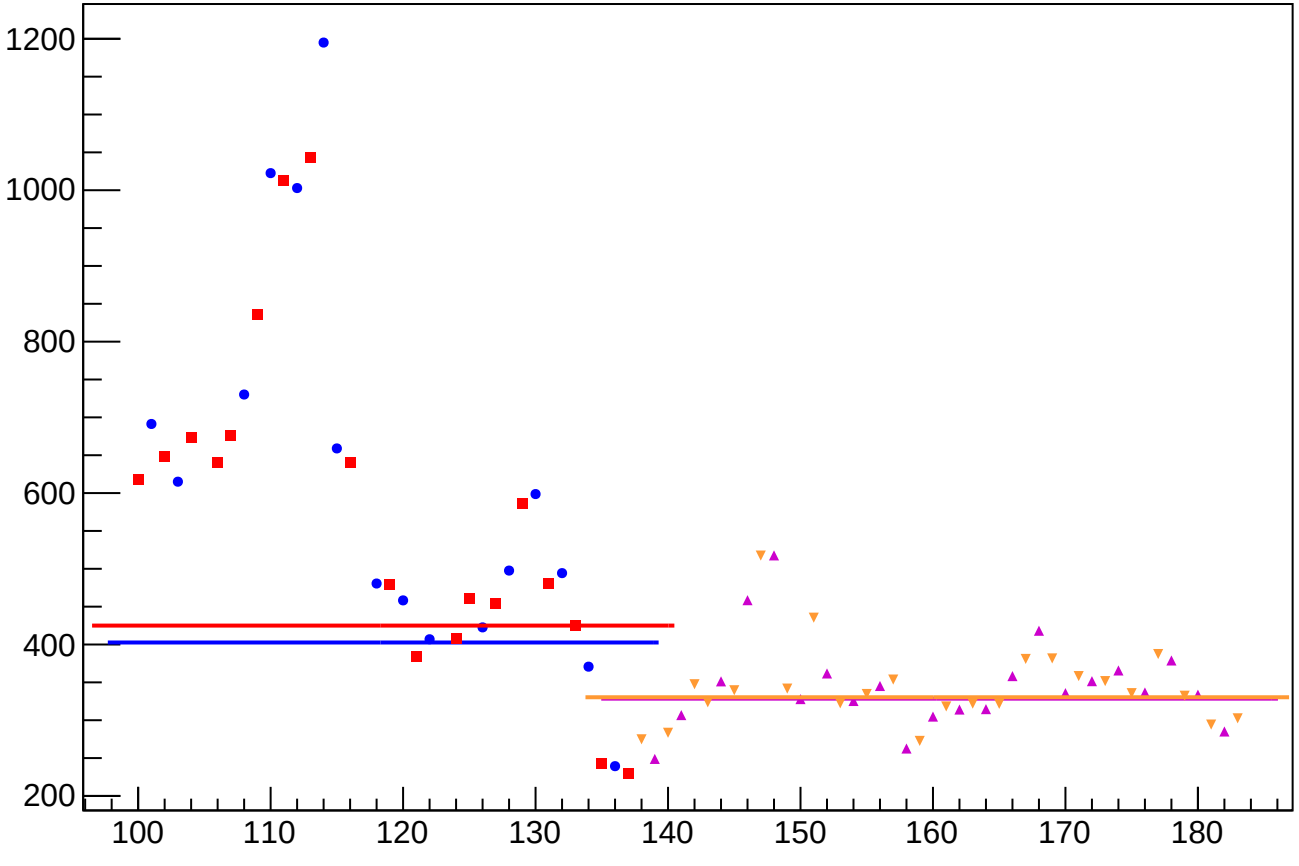
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -56.194+/-70.809 χ^2/NDF:46.3/37

Out: -31.292+/-69.771 χ^2/NDF:41.4/42

All: -43.559+/-49.699 χ^2/NDF: 87.8/80

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 330.326+/-0.054 χ^2/NDF:656468.9/23

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 328.495+/-0.056 χ^2/NDF:868894.1/21

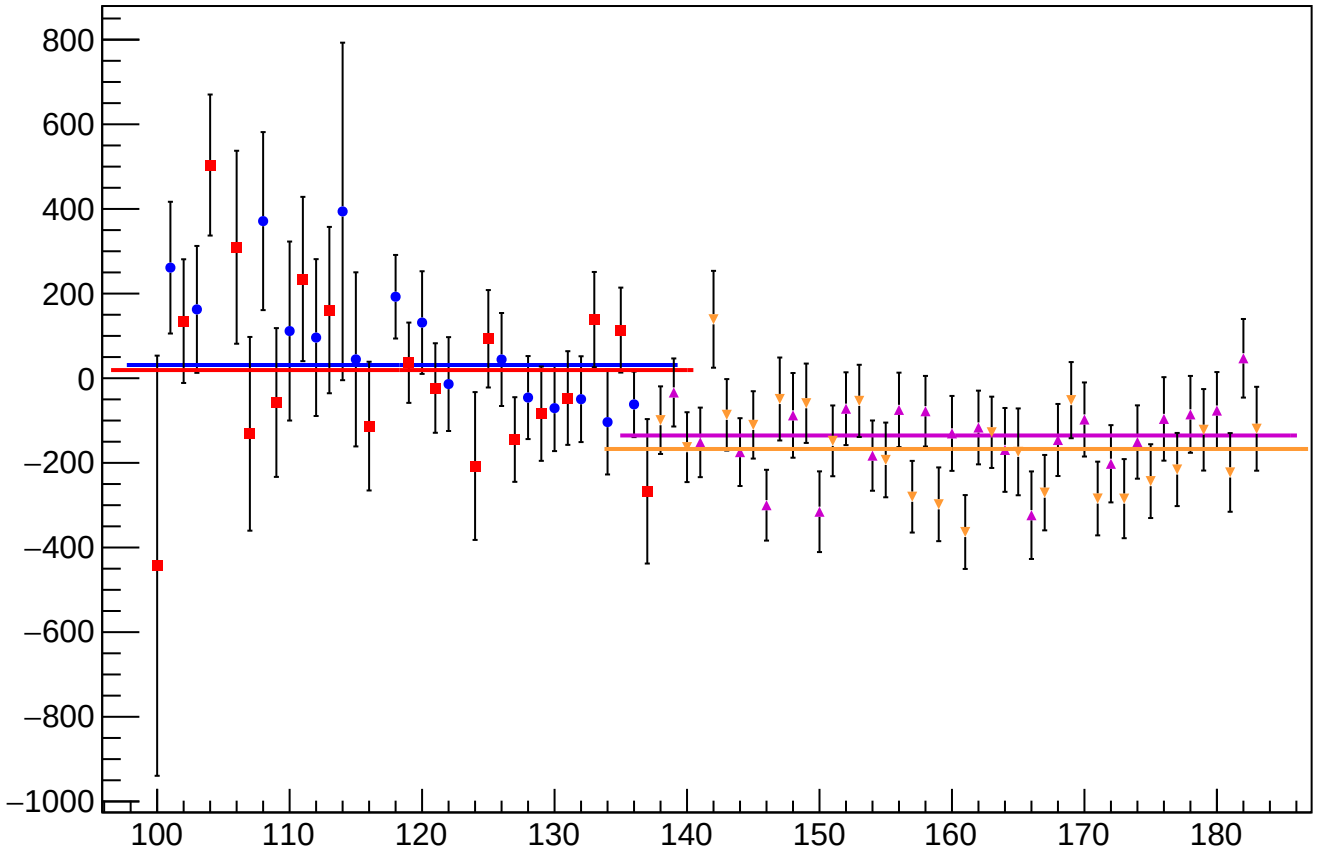
Left: 329.435+/-0.039 χ^2/NDF: 1525920.6/45

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 342.360+/-0.050 χ^2/NDF:3562463.7/37

Out: 346.179+/-0.049 χ^2/NDF:3510798.3/42

All: 344.298+/-0.035 χ^2/NDF: 7076213.2/80



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -167.157+/-18.168 χ^2/NDF:31.6/23

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -135.267+/-18.892 χ^2/NDF:20.4/21

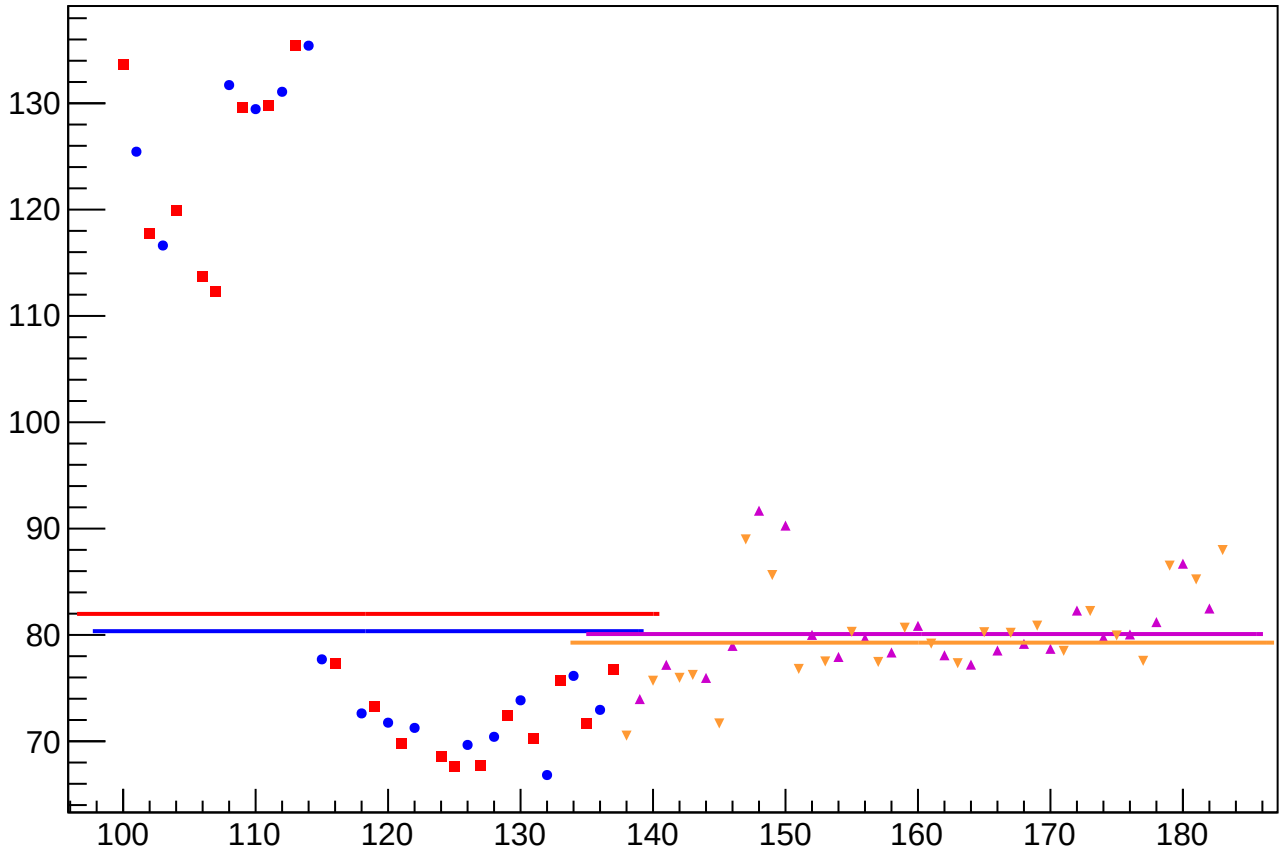
Left: -151.835+/-13.095 χ^2/NDF: 53.4/45

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -89.714+/-16.102 χ^2/NDF:56.7/37

Out: -119.629+/-15.682 χ^2/NDF:84.1/42

All: -105.066+/-11.234 χ^2/NDF: 142.6/80



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 79.275+/-0.013 χ^2/NDF:123474.9/23

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 80.084+/-0.013 χ^2/NDF:89197.0/21

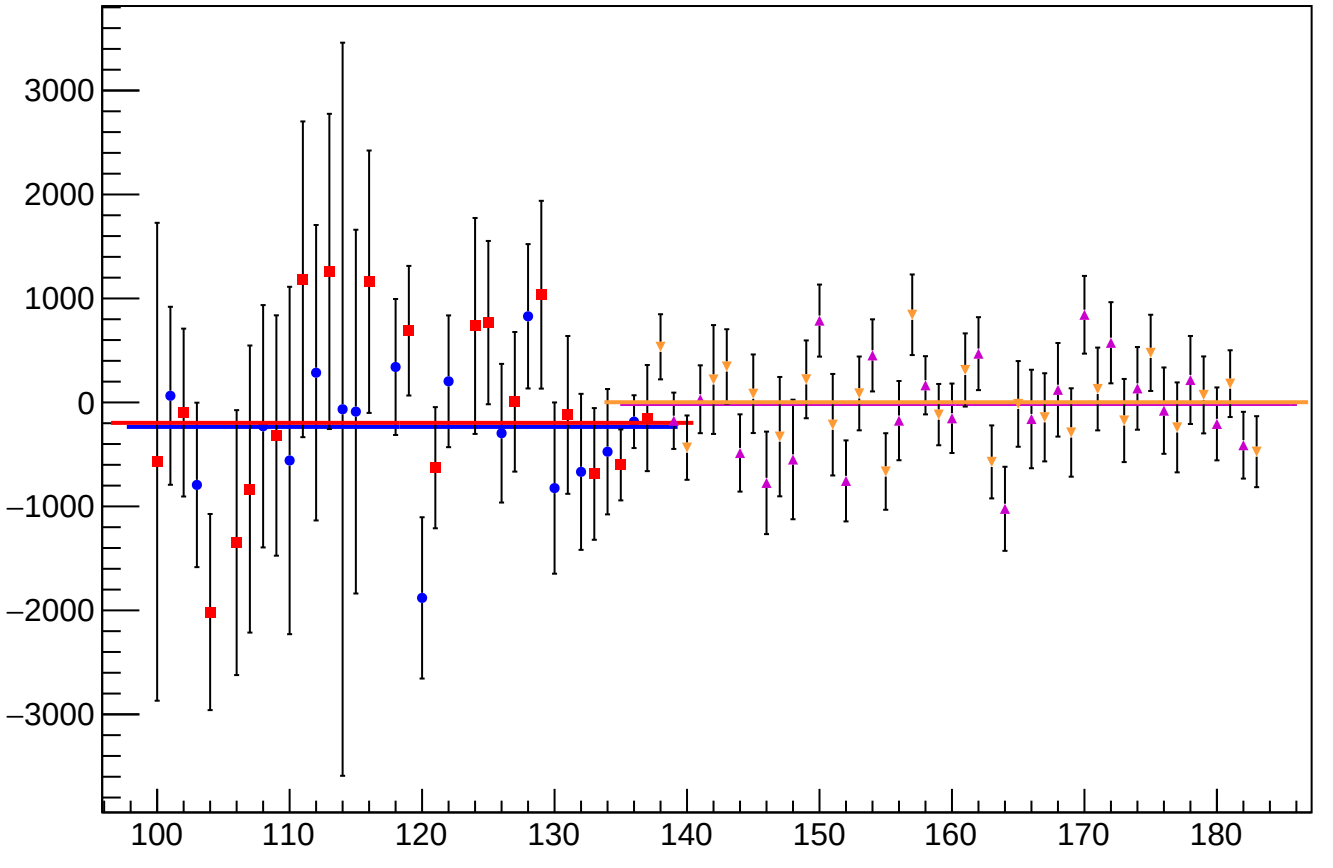
Left: 79.664+/-0.009 χ^2/NDF: 214576.1/45

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.158+/-0.011 χ^2/NDF:929348.6/37

Out: 79.964+/-0.011 χ^2/NDF:1065225.1/42

All: 80.058+/-0.008 χ^2/NDF: 1994722.0/80



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 1.958+/-76.468 χ^2/NDF:23.7/23

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: -6.276+/-54.785 χ^2/NDF: 58.6/45

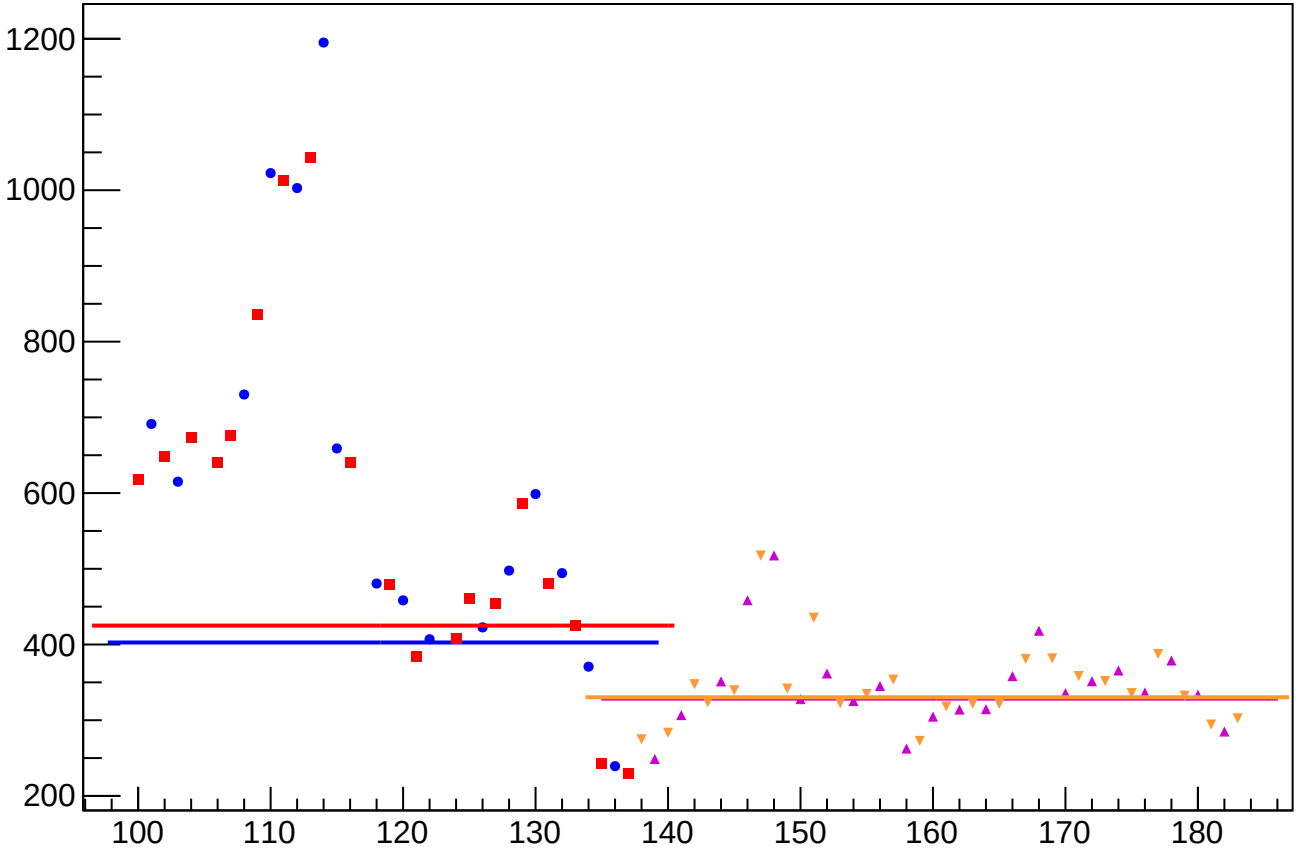
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -56.194+/-70.809 χ^2/NDF:46.3/37

Out: -31.292+/-69.771 χ^2/NDF:41.4/42

All: -43.559+/-49.699 χ^2/NDF: 87.8/80

asym_sam1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 330.326+/-0.054 χ^2/NDF:656468.9/23

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 328.495+/-0.056 χ^2/NDF:868894.1/21

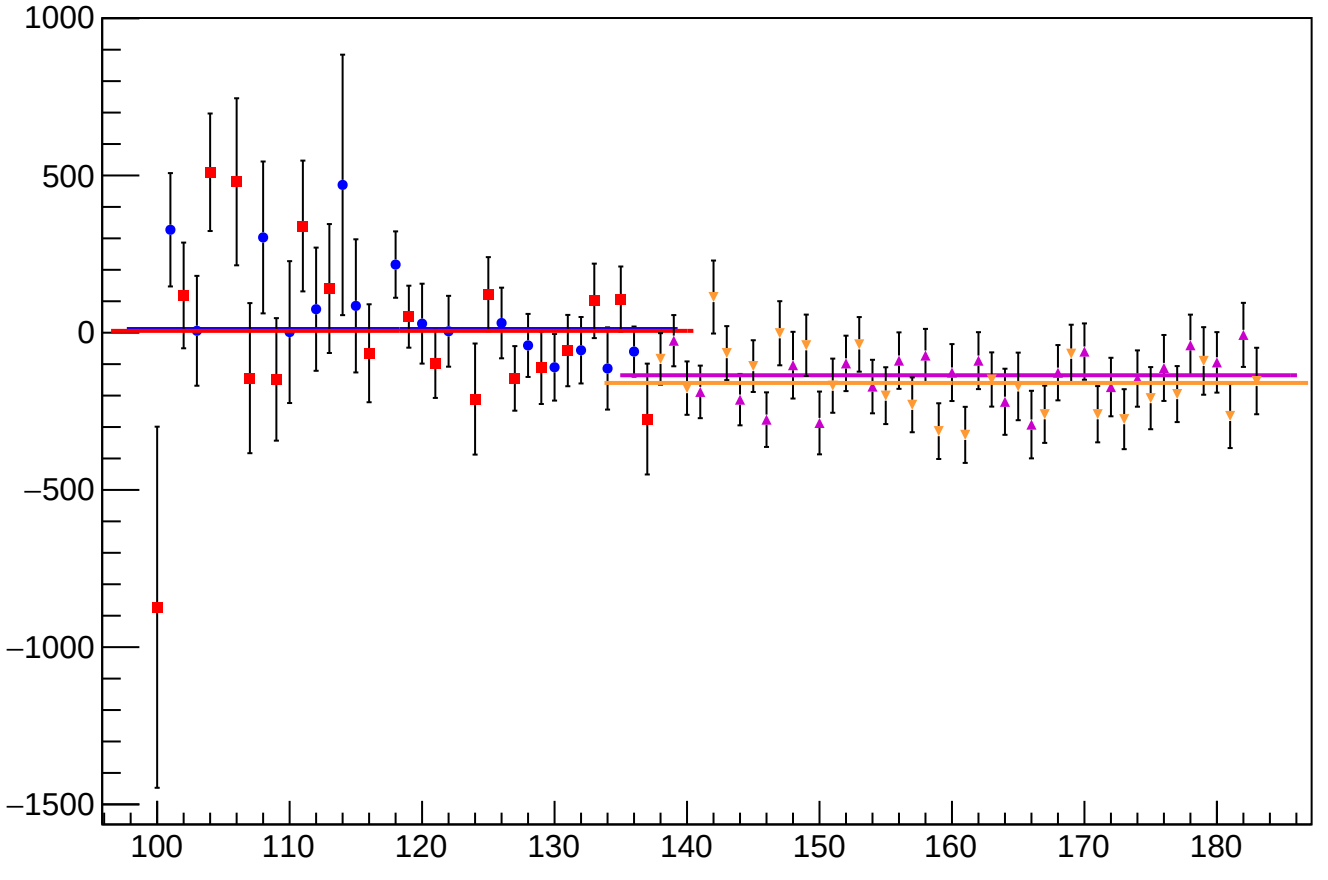
Left: 329.435+/-0.039 χ^2/NDF: 1525920.6/45

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 342.360+/-0.050 χ^2/NDF:3562463.7/37

Out: 346.179+/-0.049 χ^2/NDF:3510798.3/42

All: 344.298+/-0.035 χ^2/NDF: 7076213.2/80



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -159.742+/-18.844 χ^2/NDF:28.1/23

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: -148.012+/-13.573 χ^2/NDF: 45.0/45

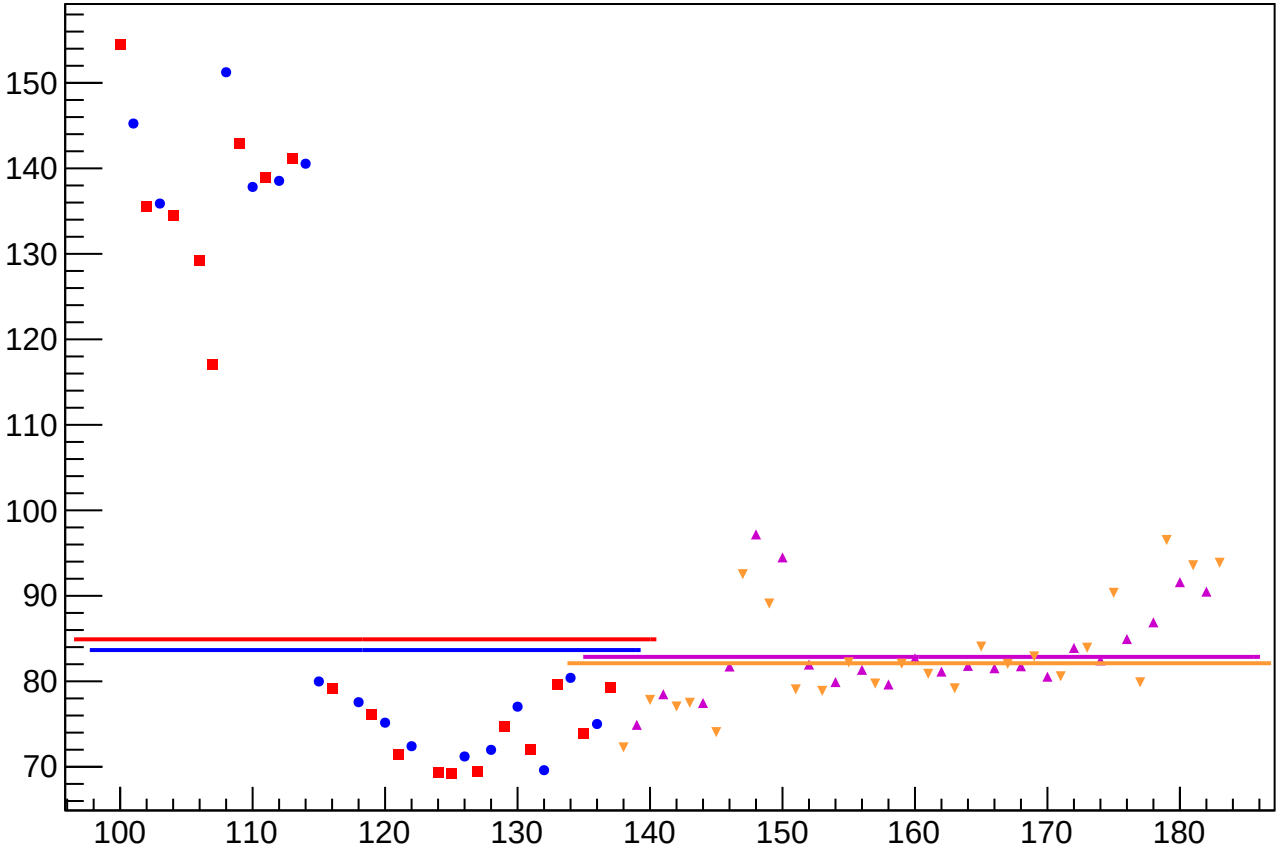
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -95.888+/-16.736 χ^2/NDF:44.7/37

Out: -117.979+/-16.295 χ^2/NDF:76.3/42

All: -107.228+/-11.675 χ^2/NDF: 122.0/80

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 82.114+/-0.013 χ^2/NDF:206582.7/23

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 82.860+/-0.014 χ^2/NDF:138416.5/21

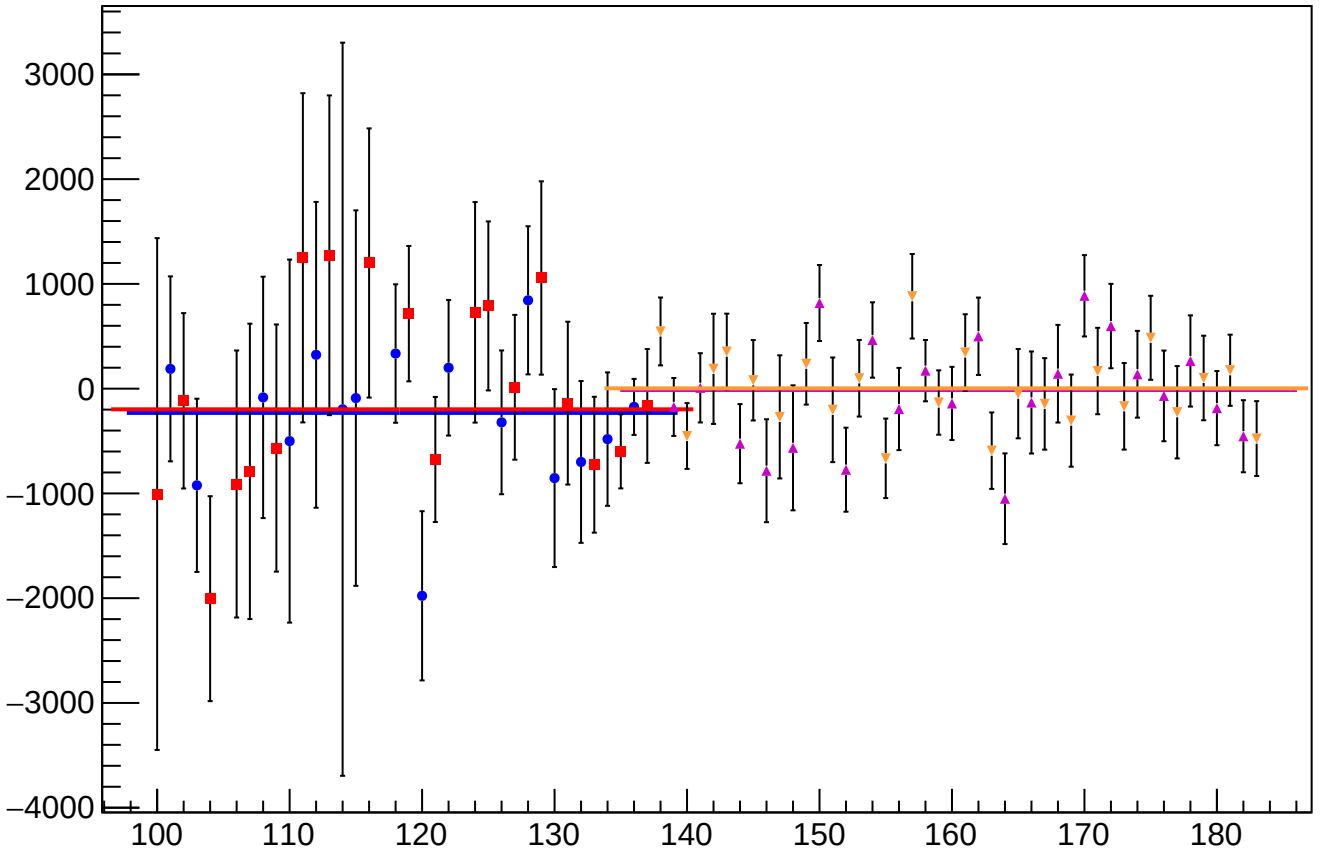
Left: 82.473+/-0.010 χ^2/NDF: 346505.1/45

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 83.074+/-0.012 χ^2/NDF:1174103.1/37

Out: 82.820+/-0.012 χ^2/NDF:1339382.1/42

All: 82.944+/-0.008 χ^2/NDF: 2513720.9/80



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 2.899+/-79.302 χ^2/NDF:23.2/23

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -12.528+/-81.319 χ^2/NDF:34.8/21

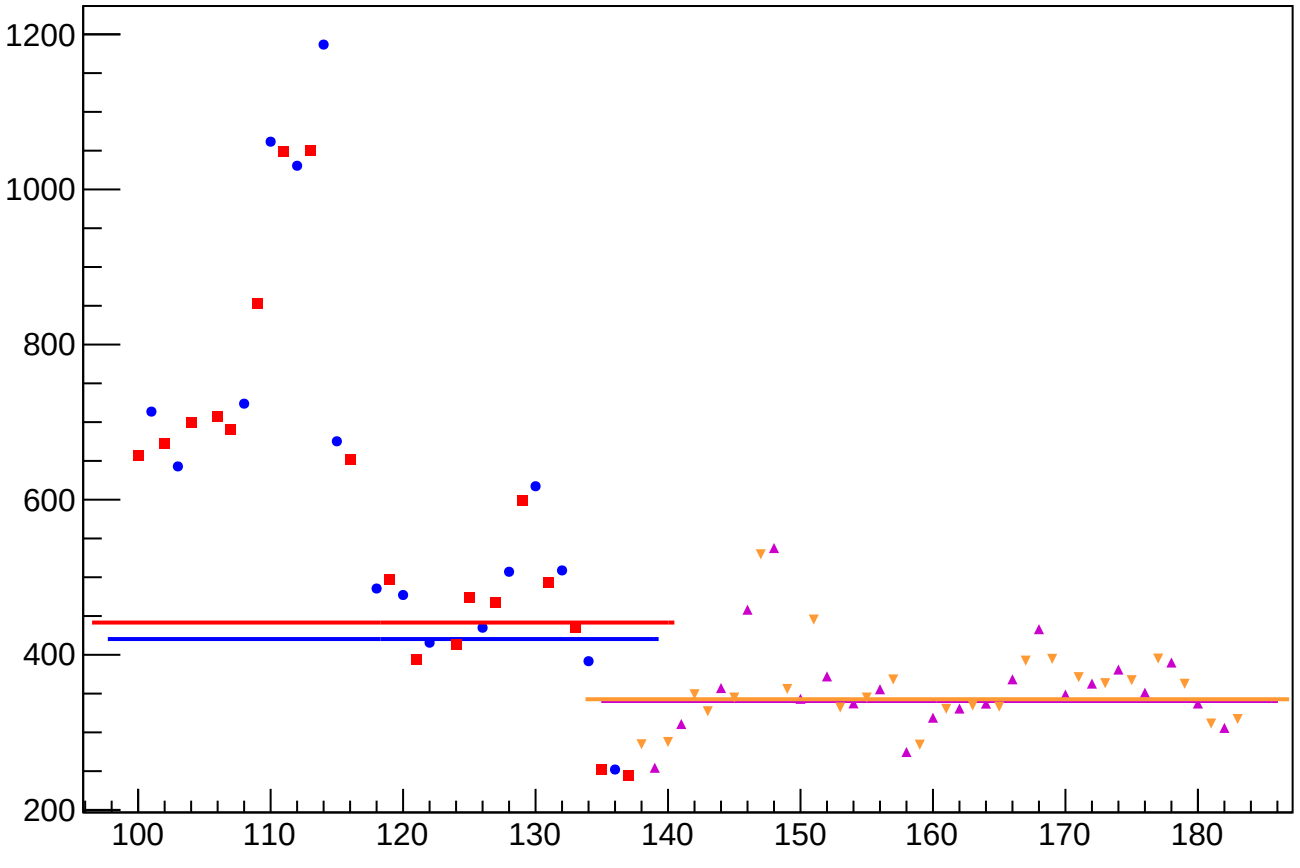
Left: -4.621+/-56.774 χ^2/NDF: 58.0/45

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -53.233+/-73.369 χ^2/NDF:46.6/37

Out: -30.842+/-72.308 χ^2/NDF:40.2/42

All: -41.874+/-51.500 χ^2/NDF: 86.8/80



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 342.735+/-0.056 χ^2/NDF:642175.0/23

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 340.463+/-0.058 χ^2/NDF:832174.3/21

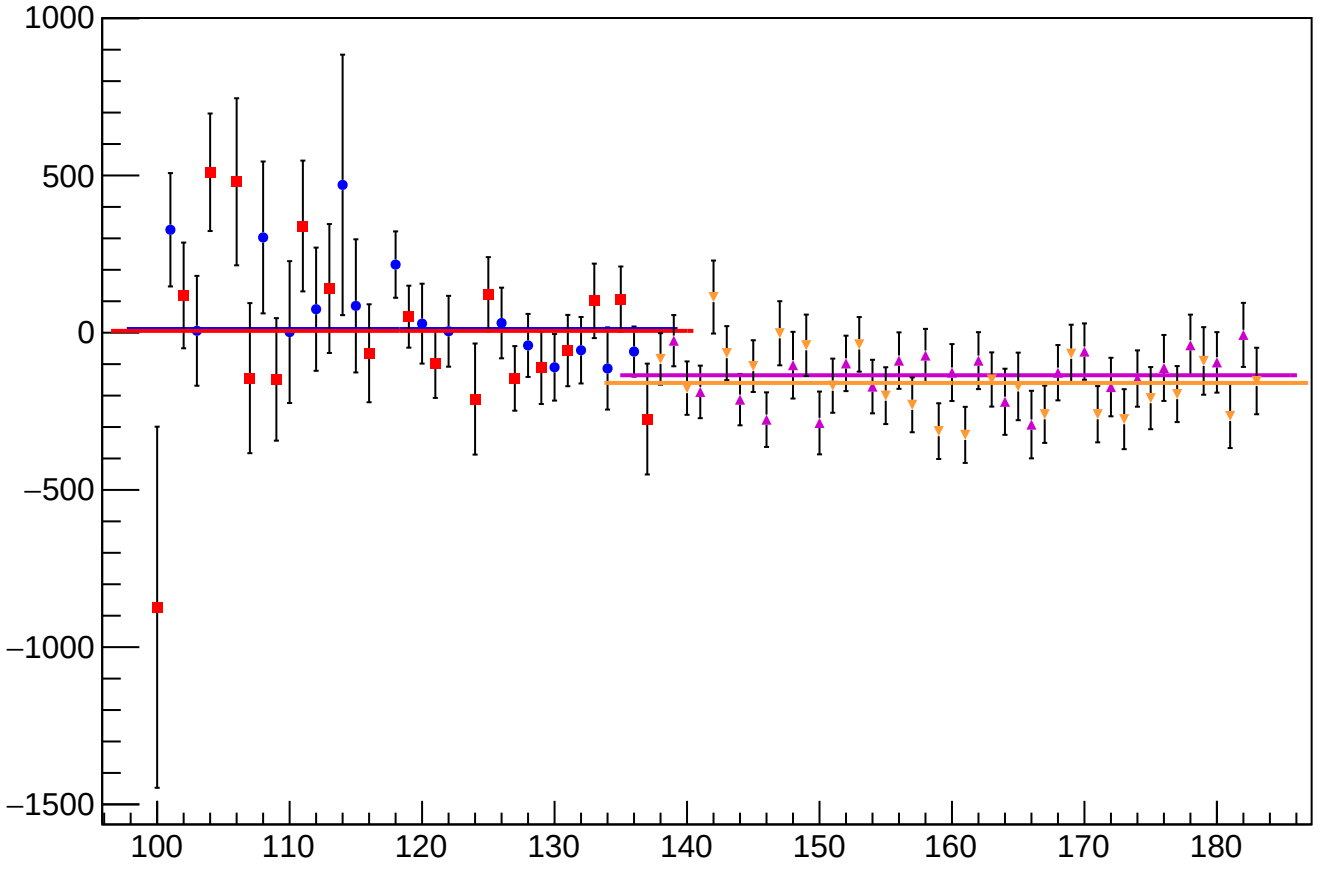
Left: 341.628+/-0.040 χ^2/NDF: 1475149.4/45

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 355.316+/-0.052 χ^2/NDF:3445556.2/37

Out: 359.405+/-0.051 χ^2/NDF:3473872.3/42

All: 357.390+/-0.036 χ^2/NDF: 6922579.3/80



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -159.742+/-18.844 χ^2/NDF:28.1/23

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: -148.012+/-13.573 χ^2/NDF: 45.0/45

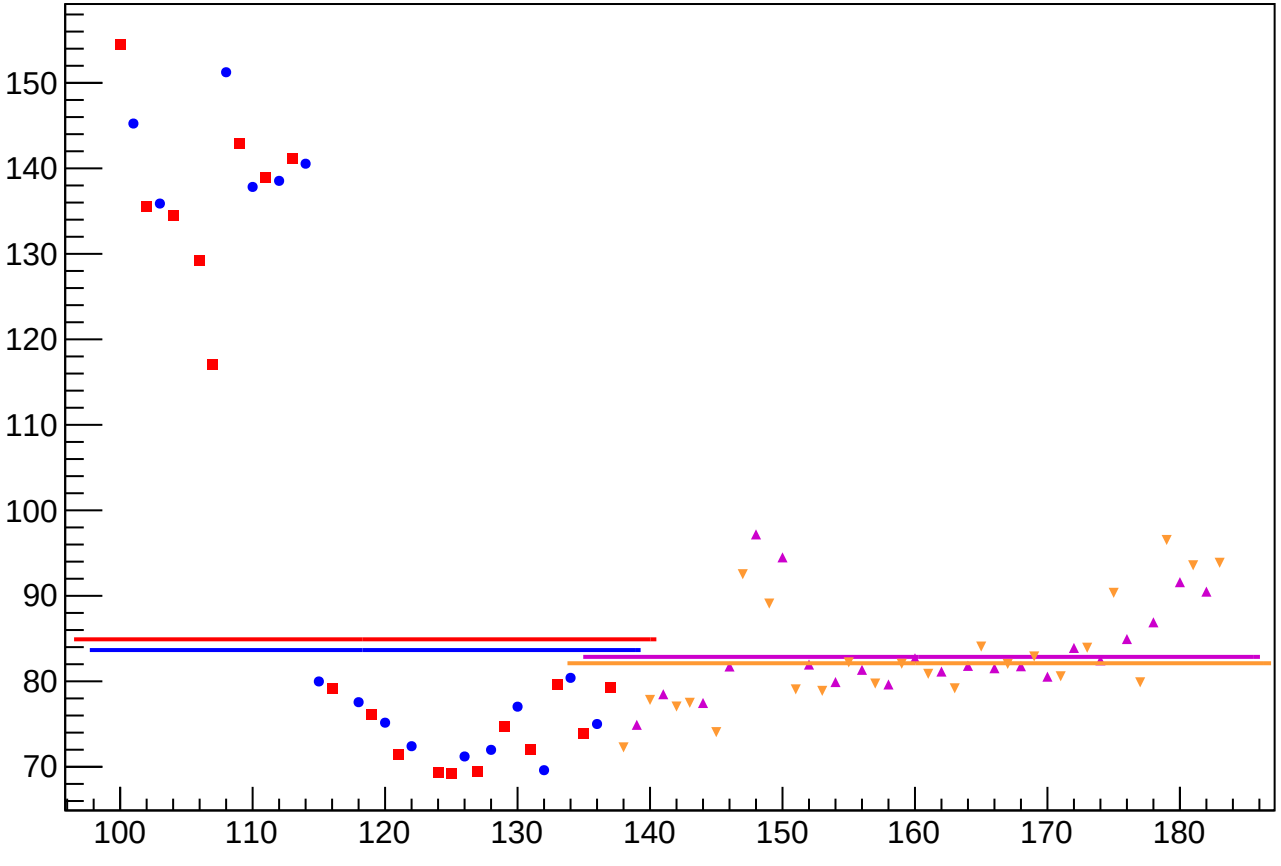
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -95.887+/-16.736 χ^2/NDF:44.7/37

Out: -117.979+/-16.295 χ^2/NDF:76.3/42

All: -107.228+/-11.675 χ^2/NDF: 122.0/80

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 82.114+/-0.013 χ^2/NDF:206582.8/23

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 82.860+/-0.014 χ^2/NDF:138415.0/21

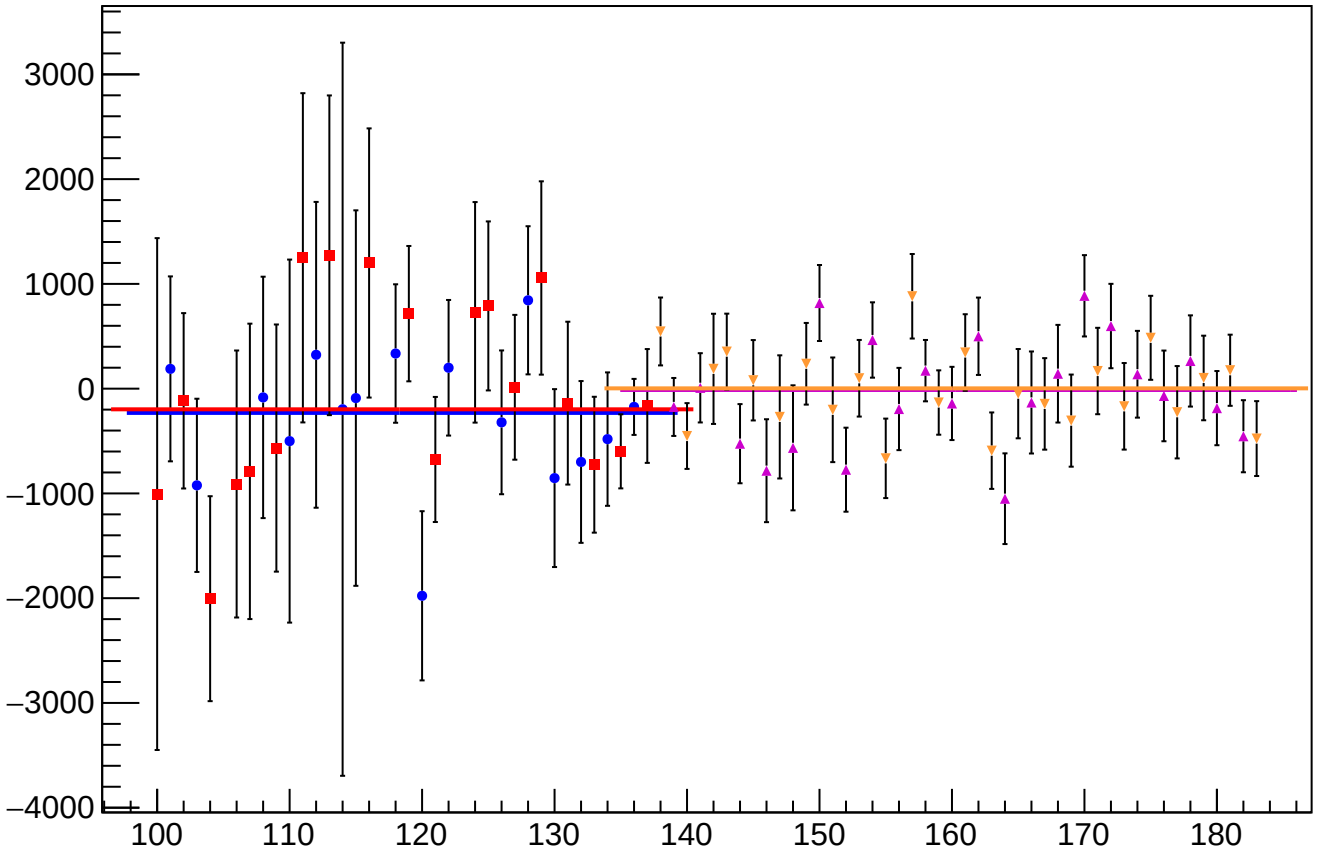
Left: 82.473+/-0.010 χ^2/NDF: 346503.7/45

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 83.074+/-0.012 χ^2/NDF:1174101.0/37

Out: 82.820+/-0.012 χ^2/NDF:1339380.8/42

All: 82.943+/-0.008 χ^2/NDF: 2513717.5/80



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 2.899+/-79.302 χ^2/NDF:23.2/23

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -12.528+/-81.319 χ^2/NDF:34.8/21

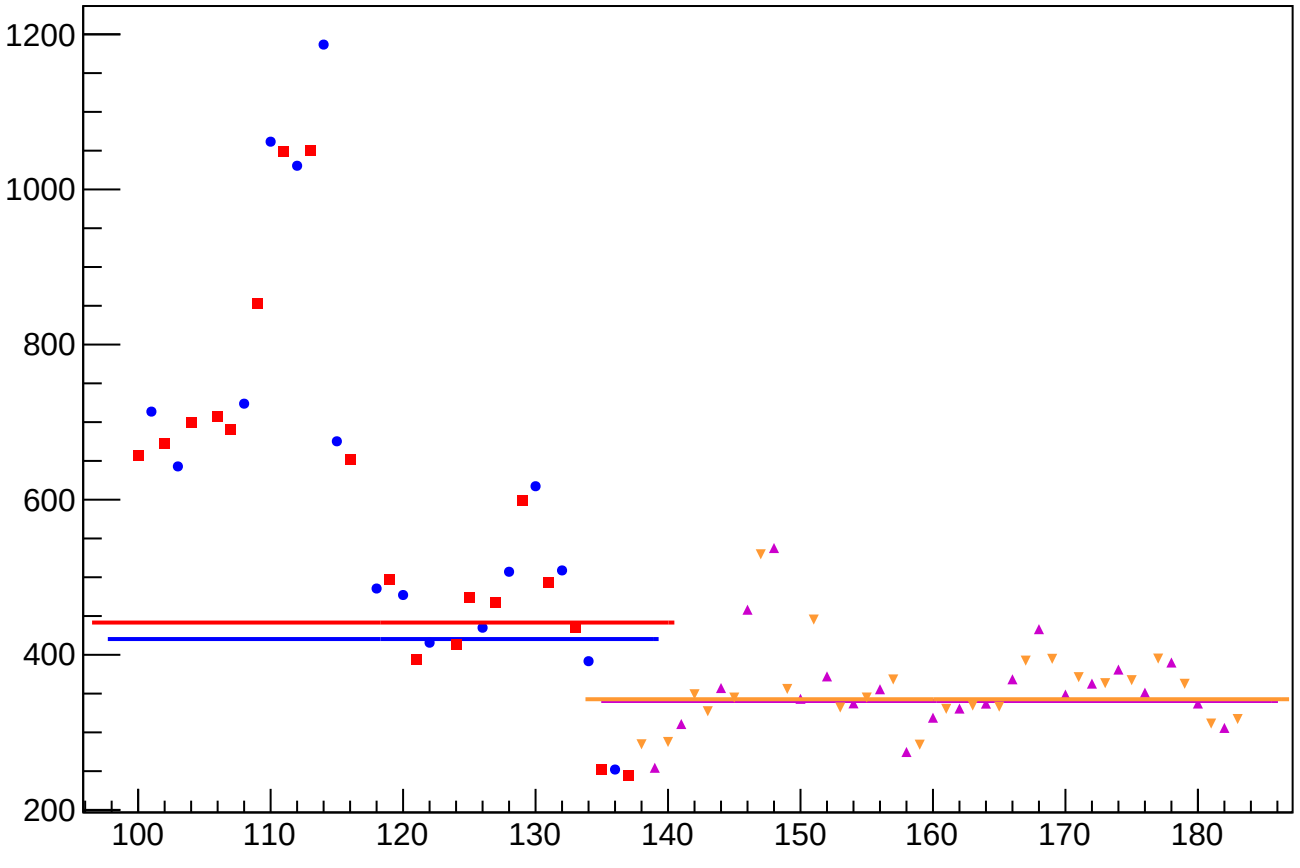
Left: -4.621+/-56.774 χ^2/NDF: 58.0/45

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -53.233+/-73.369 χ^2/NDF:46.6/37

Out: -30.842+/-72.308 χ^2/NDF:40.2/42

All: -41.874+/-51.500 χ^2/NDF: 86.8/80



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 342.735+/-0.056 χ^2/NDF:642176.7/23

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: 341.628+/-0.040 χ^2/NDF: 1475154.0/45

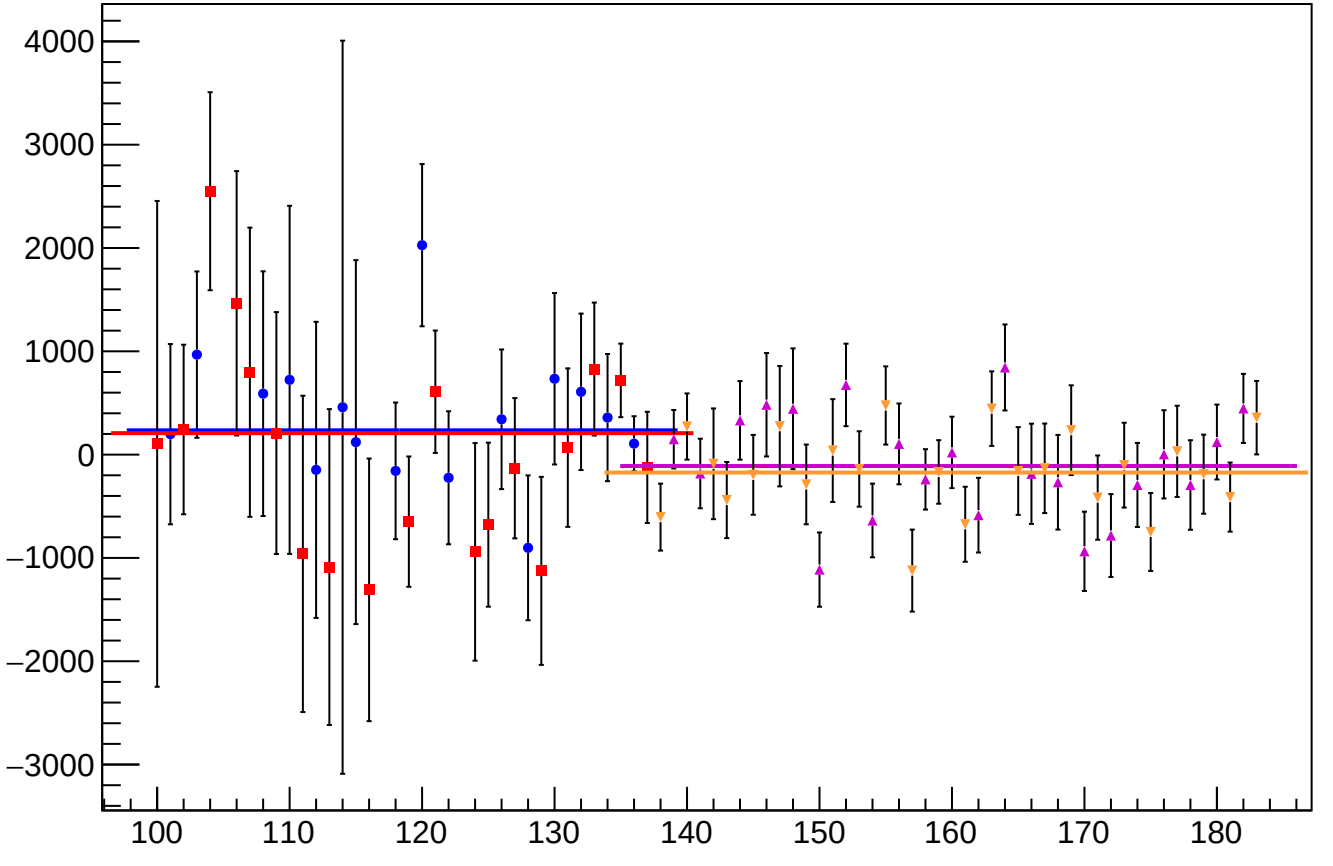
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 355.316+/-0.052 χ^2/NDF:3445559.7/37

Out: 359.404+/-0.051 χ^2/NDF:3473873.9/42

All: 357.390+/-0.036 χ^2/NDF: 6922584.5/80

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -173.446+/-78.785 χ^2/NDF:25.2/23

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: -142.835+/-56.469 χ^2/NDF: 62.7/45

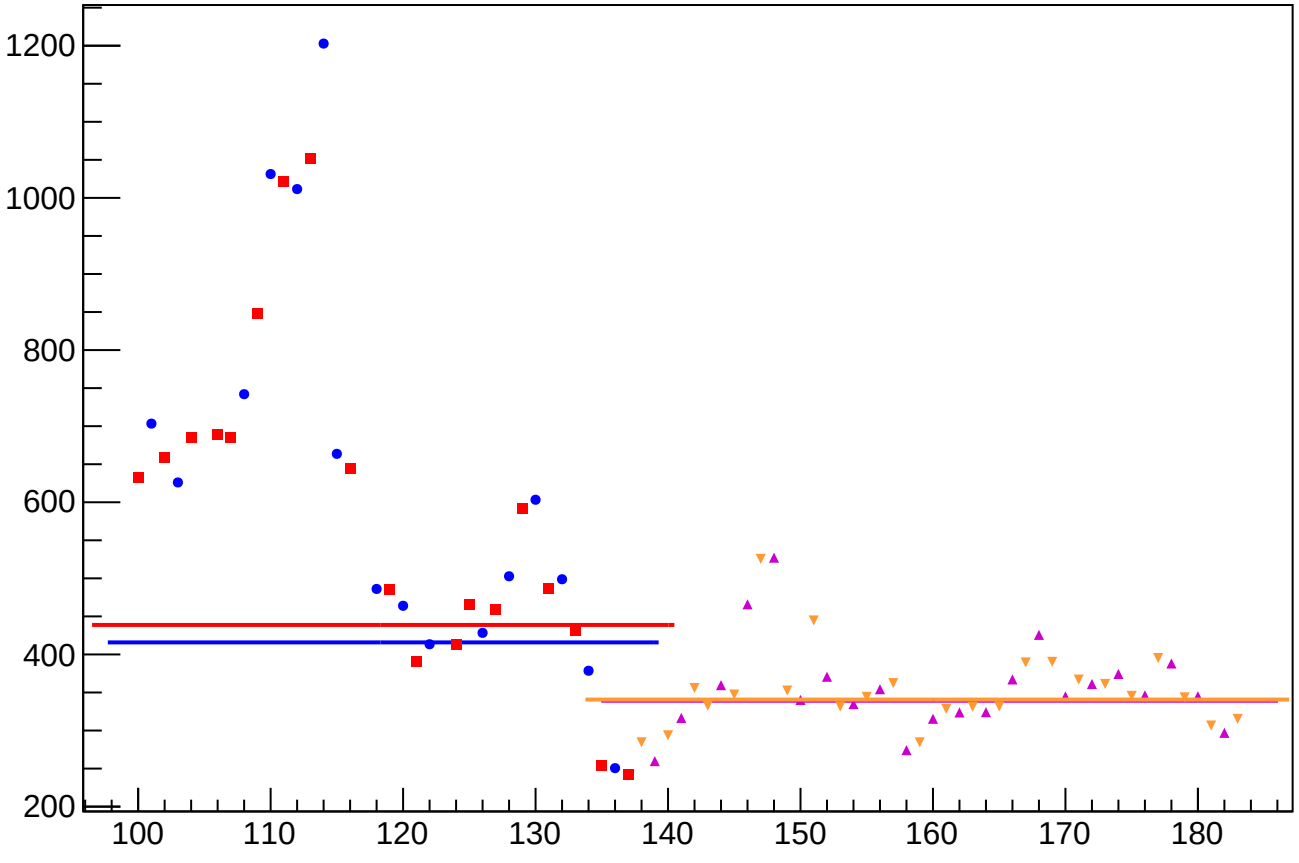
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: -45.474+/-72.963 χ^2/NDF:51.3/37

Out: -109.000+/-71.821 χ^2/NDF:49.5/42

All: -77.738+/-51.184 χ^2/NDF: 101.2/80

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 340.686+/-0.056 χ^2/NDF:602333.6/23

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 339.168+/-0.057 χ^2/NDF:795582.3/21

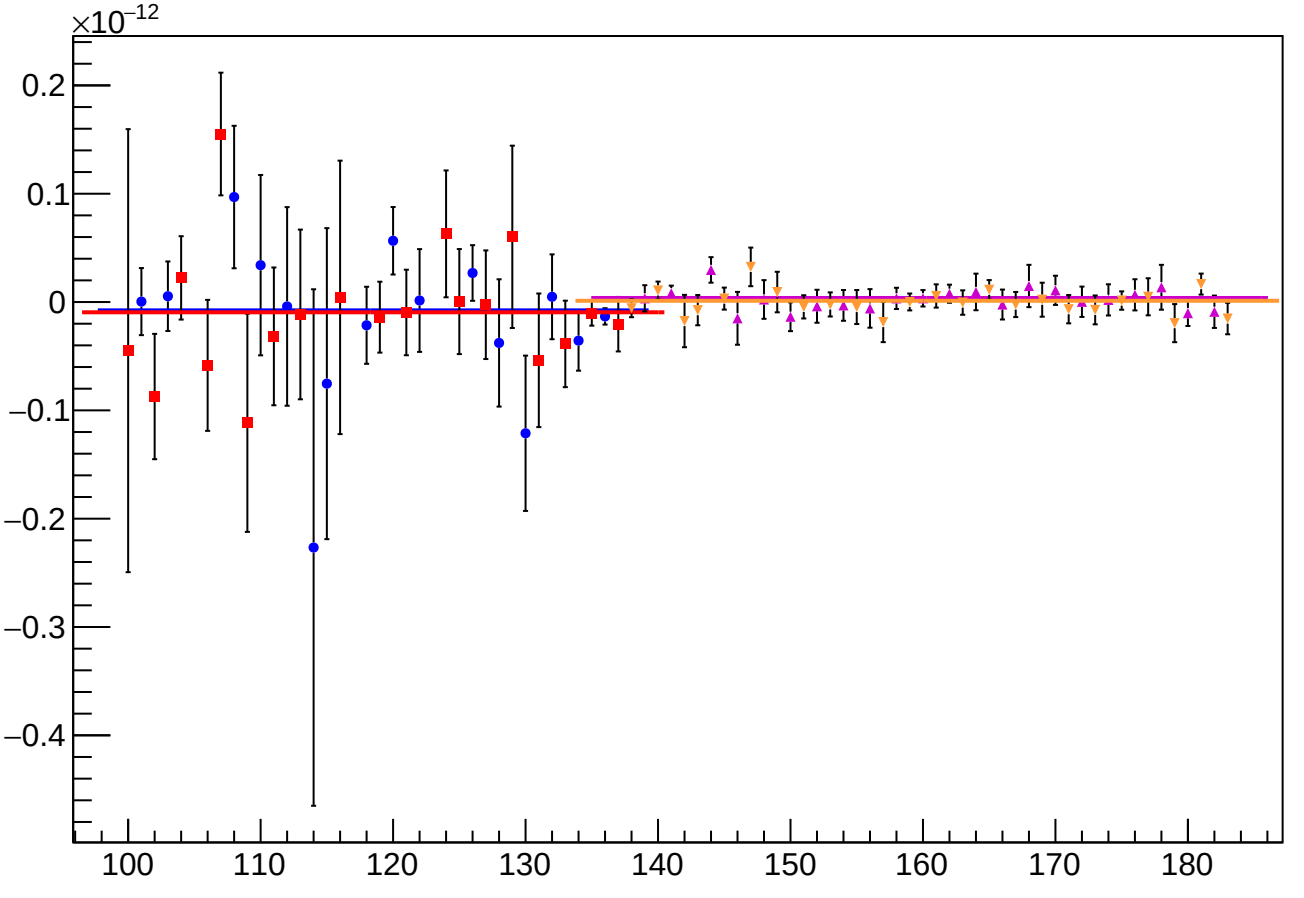
Left: 339.947+/-0.040 χ^2/NDF: 1398276.9/45

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 353.595+/-0.052 χ^2/NDF:3356912.8/37

Out: 357.260+/-0.051 χ^2/NDF:3360957.1/42

All: 355.457+/-0.036 χ^2/NDF: 6720433.2/80



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

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

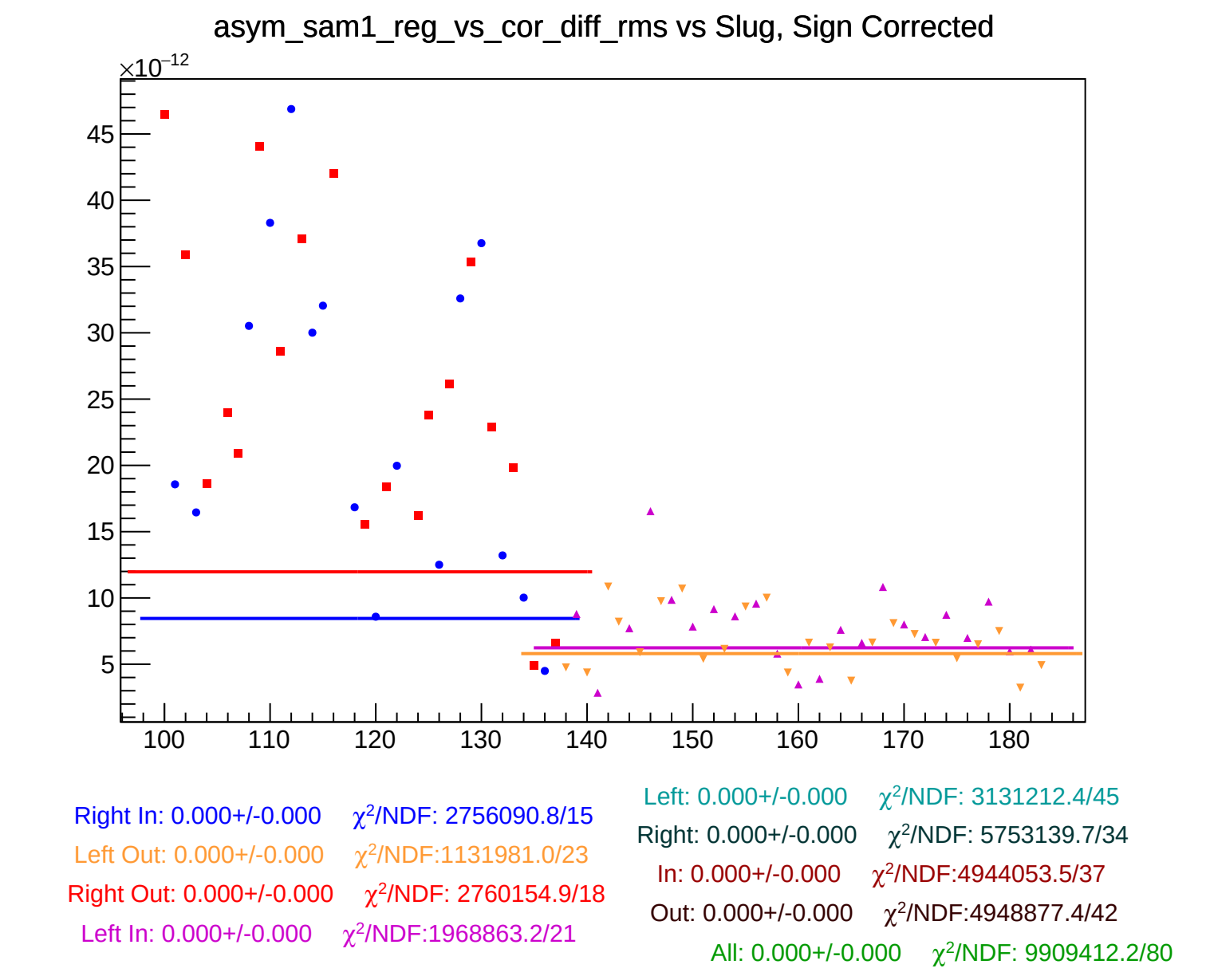
Left: 0.000+/-0.000 χ^2/NDF: 27.9/45

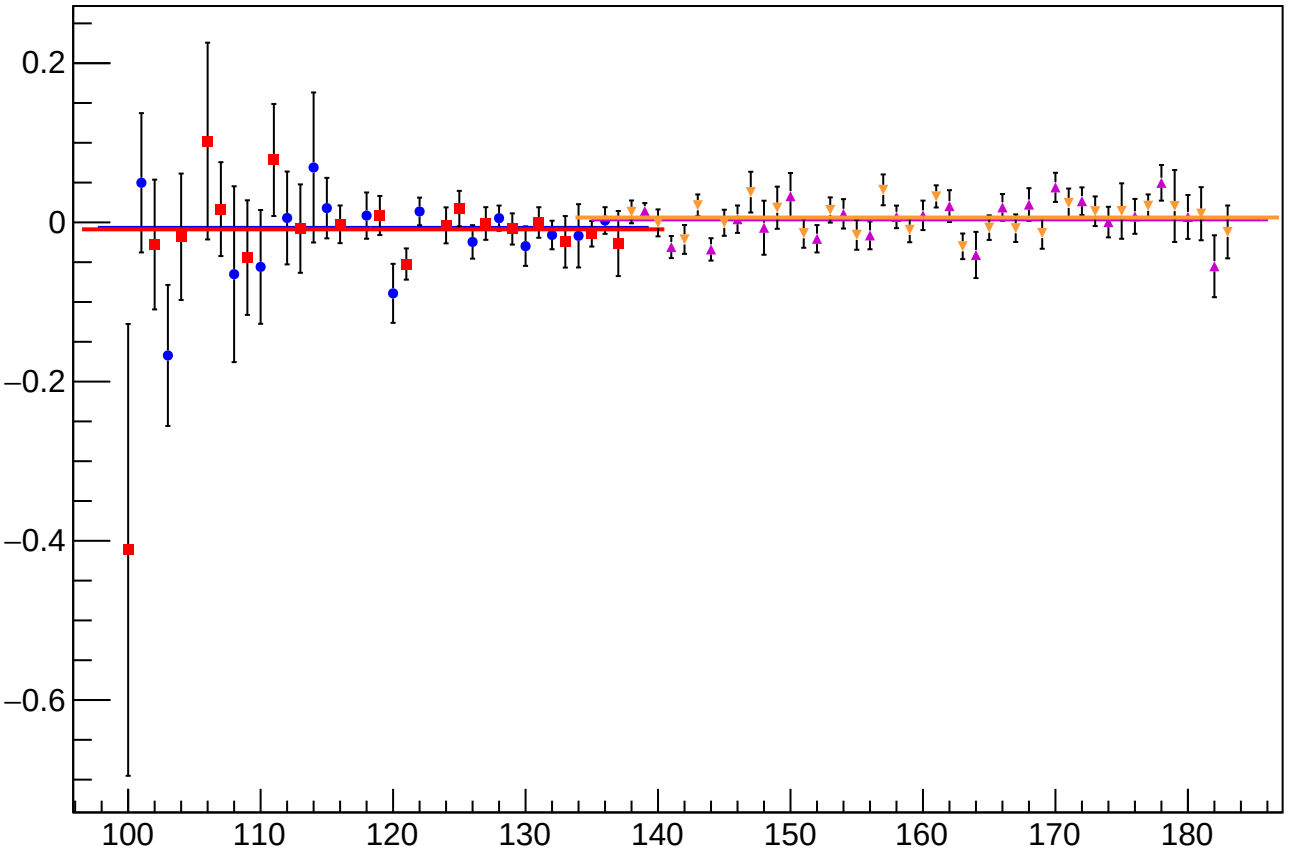
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:29.6/37

Out: 0.000+/-0.000 χ^2/NDF:33.4/42

All: 0.000+/-0.000 χ^2/NDF: 63.2/80


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1131981.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1968863.2/21
Left: 0.000+/-0.000 χ²/NDF: 3131212.4/45
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4944053.5/37
Out: 0.000+/-0.000 χ²/NDF:4948877.4/42
All: 0.000+/-0.000 χ²/NDF: 9909412.2/80



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/23

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.004 χ^2/NDF:37.1/21

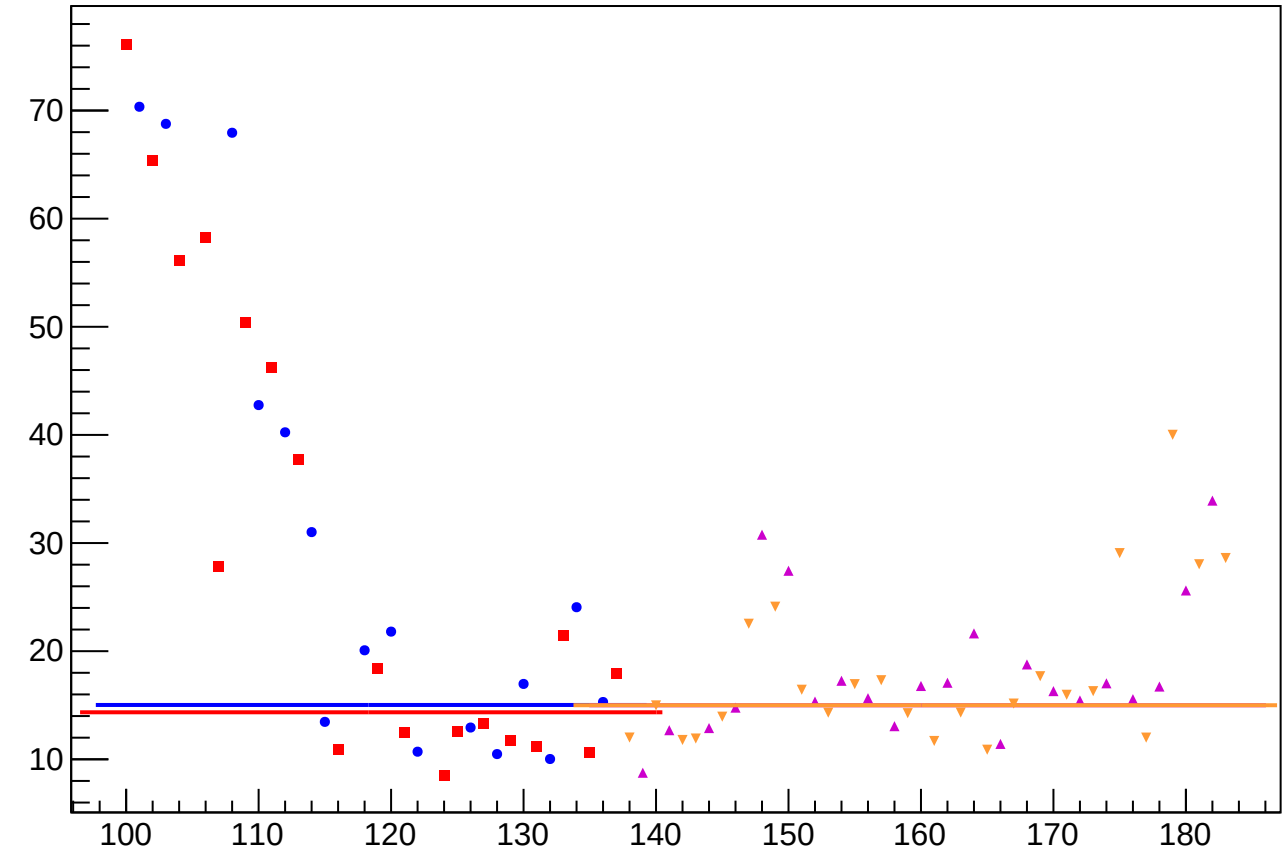
Left: 0.005+/-0.003 χ^2/NDF: 64.0/45

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:54.0/37

Out: 0.002+/-0.003 χ^2/NDF:43.4/42

All: 0.002+/-0.002 χ^2/NDF: 97.4/80



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 15.001+/-0.003 χ^2/NDF:2721191.3/23

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.997+/-0.003 χ^2/NDF:2862095.9/21

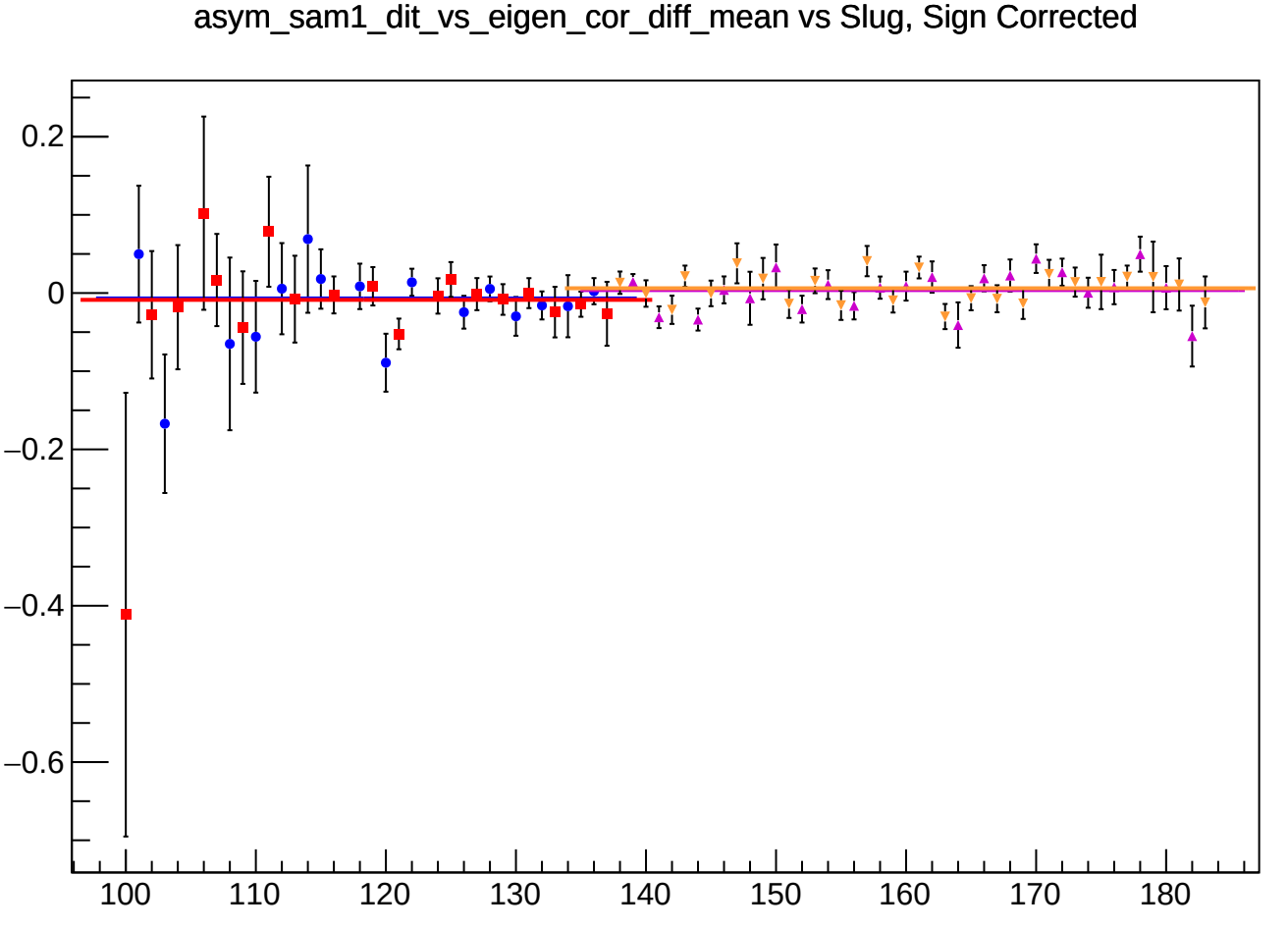
Left: 14.999+/-0.002 χ^2/NDF: 5583288.0/45

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 15.004+/-0.002 χ^2/NDF:6300383.3/37

Out: 14.837+/-0.002 χ^2/NDF:6365845.0/42

All: 14.917+/-0.002 χ^2/NDF: 12668851.5/80



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/23

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.004 χ^2/NDF:37.1/21

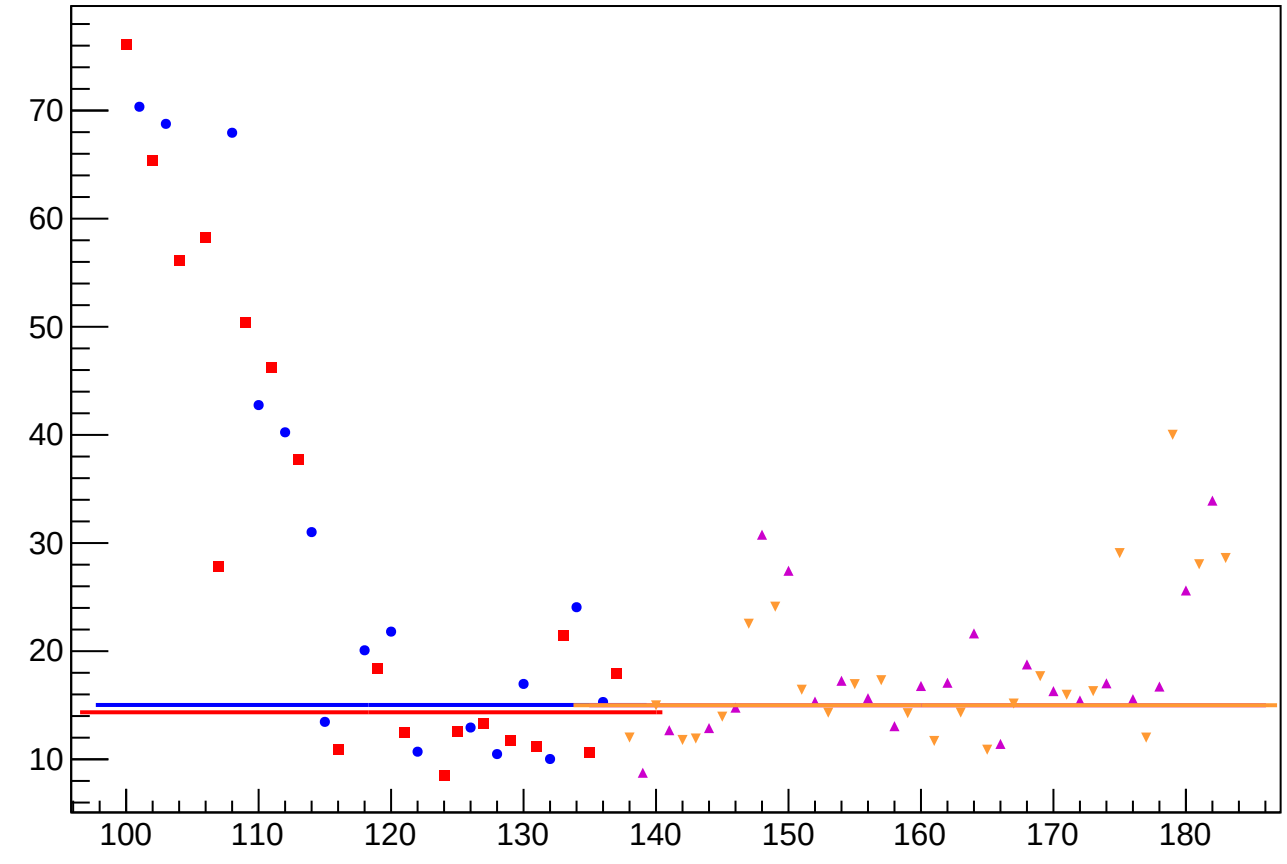
Left: 0.005+/-0.003 χ^2/NDF: 64.0/45

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:54.0/37

Out: 0.002+/-0.003 χ^2/NDF:43.4/42

All: 0.002+/-0.002 χ^2/NDF: 97.4/80



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 15.001+/-0.003 χ^2/NDF:2721191.3/23

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.997+/-0.003 χ^2/NDF:2862095.9/21

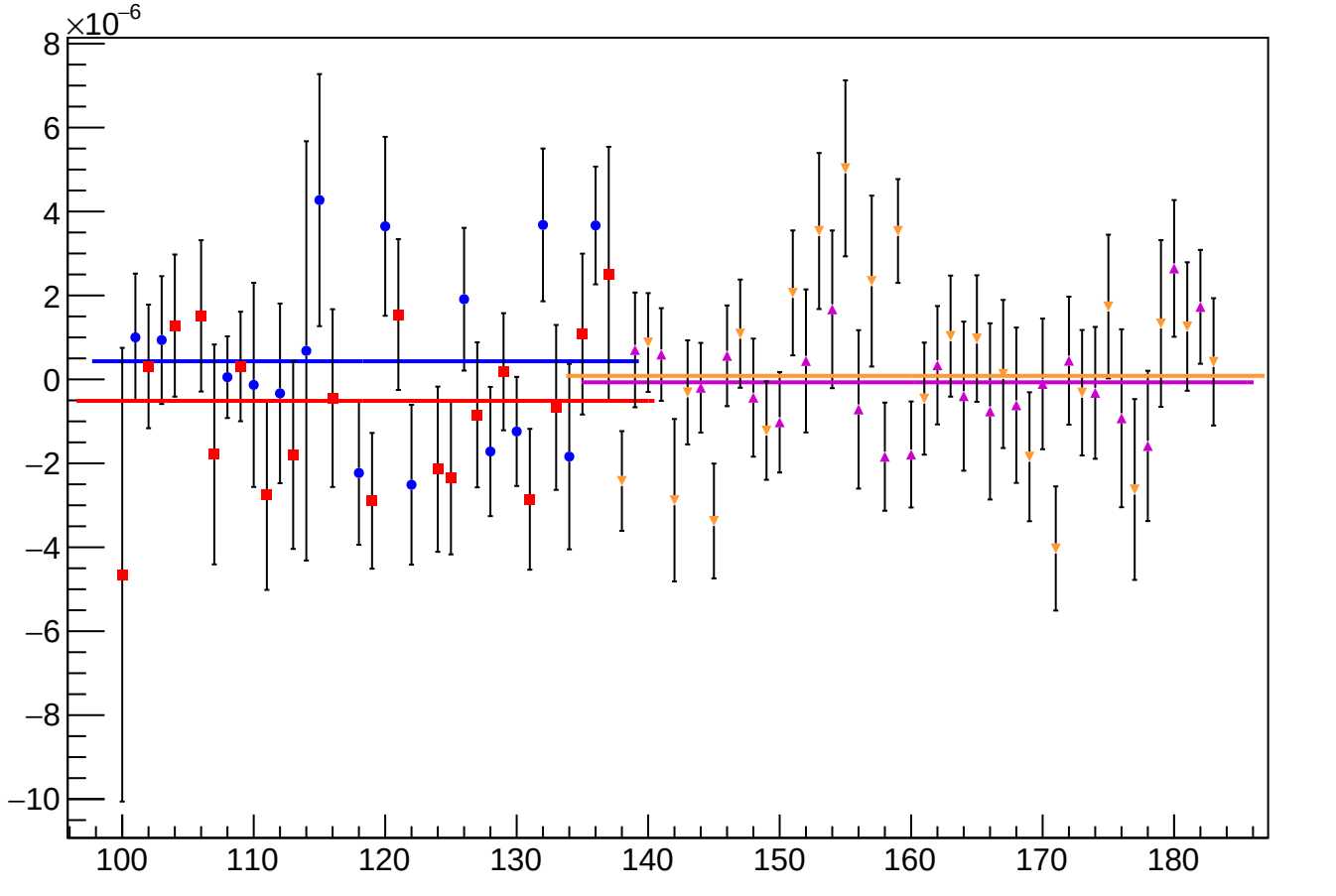
Left: 14.999+/-0.002 χ^2/NDF: 5583288.0/45

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 15.004+/-0.002 χ^2/NDF:6300383.3/37

Out: 14.837+/-0.002 χ^2/NDF:6365845.0/42

All: 14.917+/-0.002 χ^2/NDF: 12668851.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.3/21

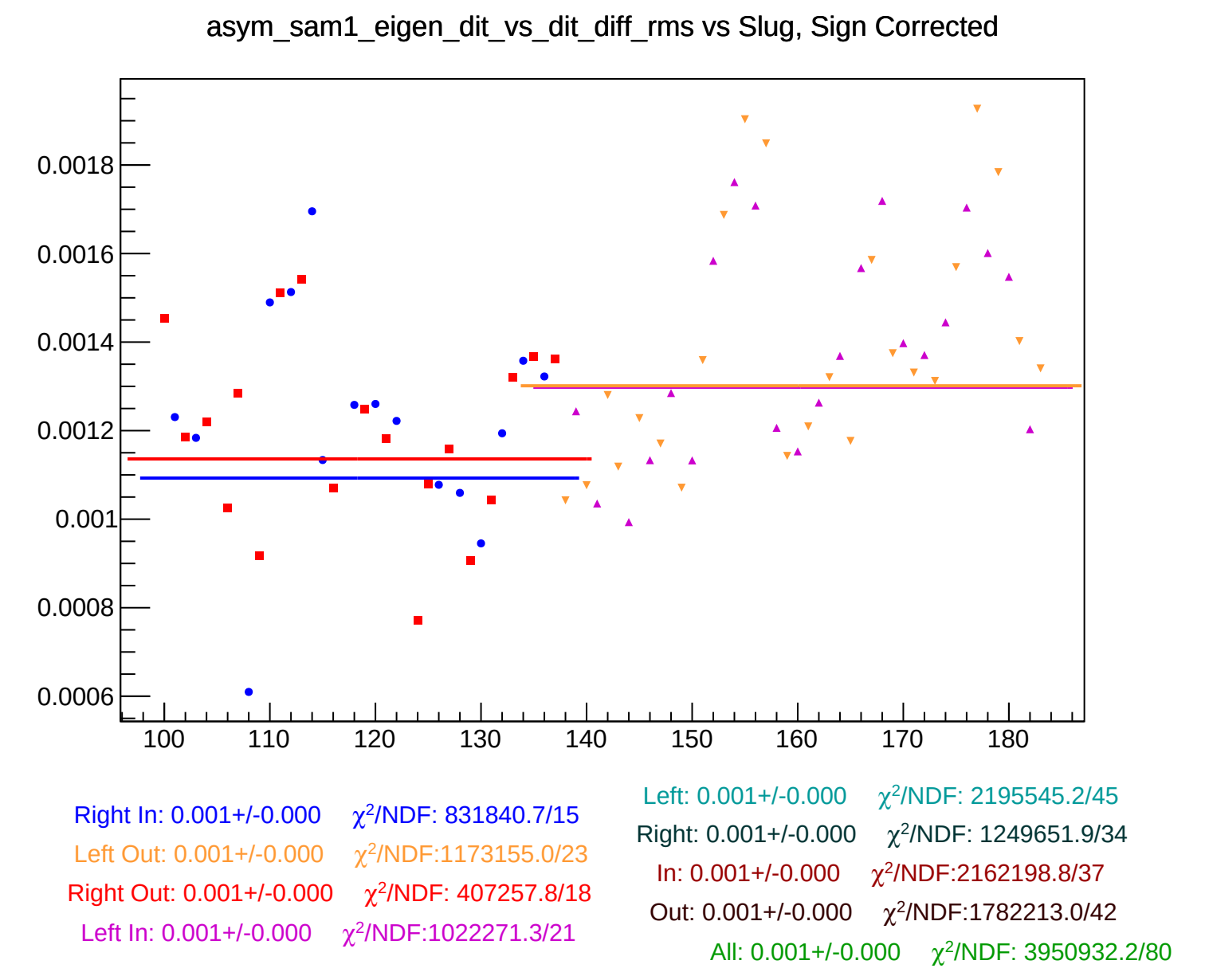
Left: 0.000+/-0.000 χ^2/NDF: 61.7/45

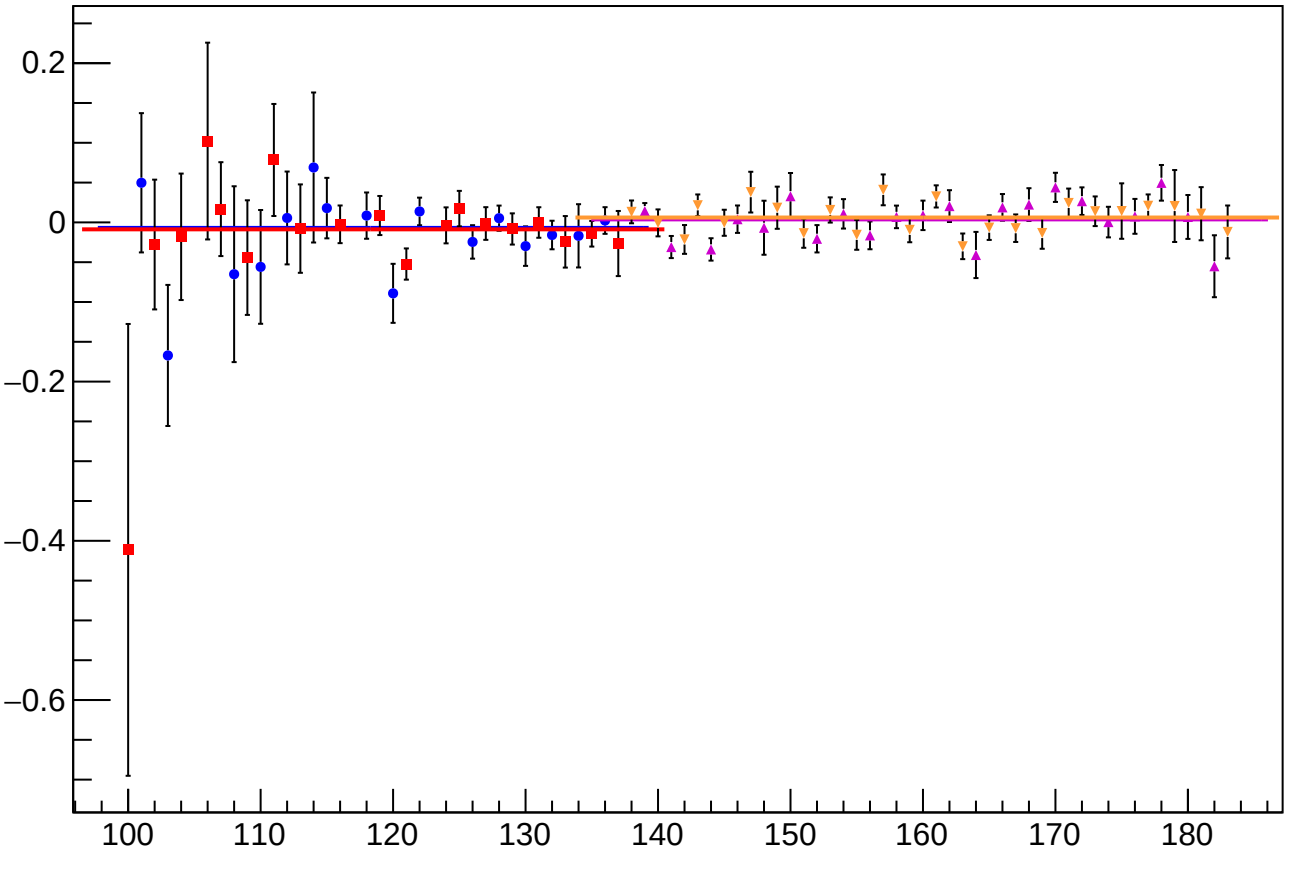
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:36.5/37

Out: -0.000+/-0.000 χ^2/NDF:64.9/42

All: -0.000+/-0.000 χ^2/NDF: 101.8/80


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:1173155.0/23
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: 2195545.2/45
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:1782213.0/42
All: 0.001+/-0.000 χ²/NDF: 3950932.2/80



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/23

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.004 χ^2/NDF:37.1/21

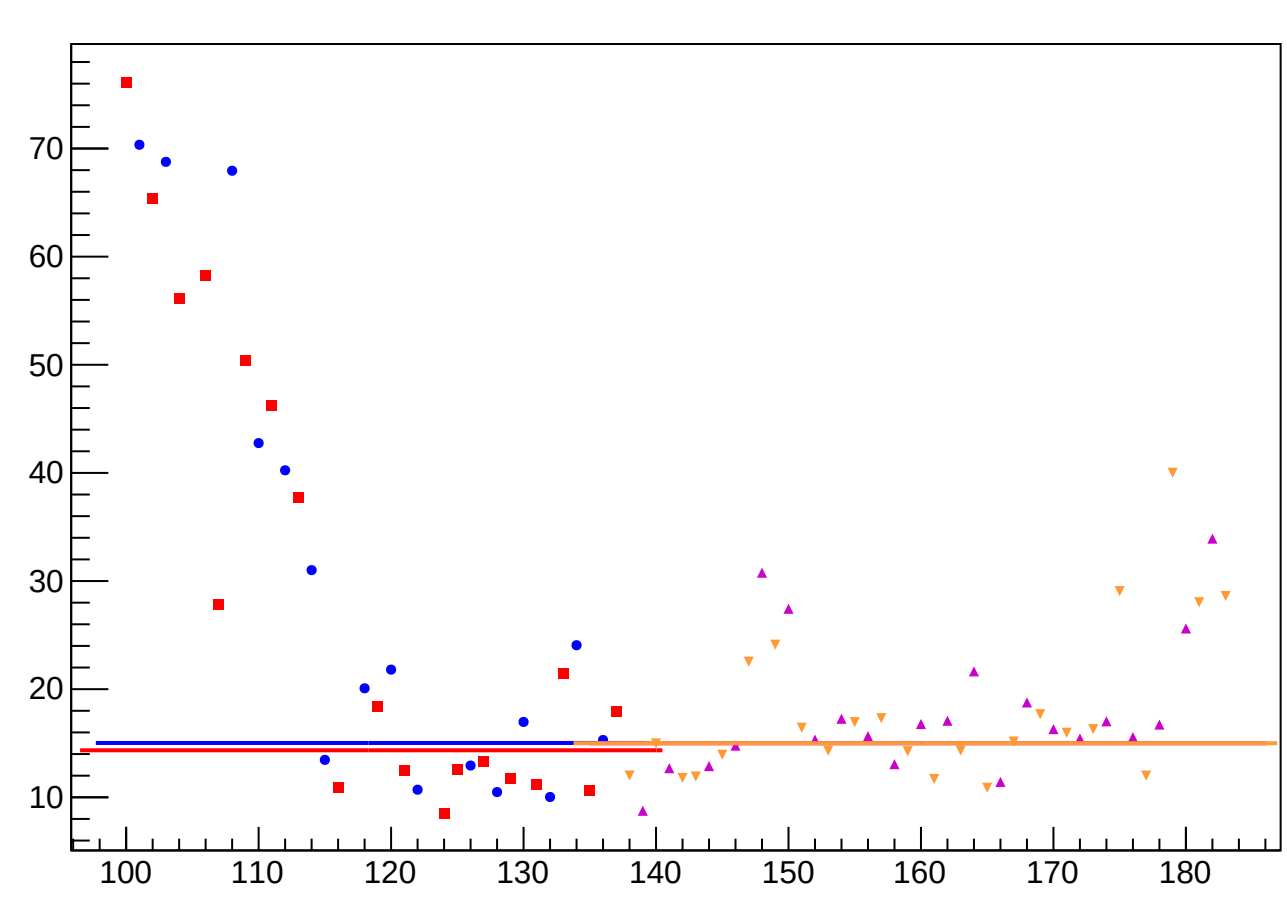
Left: 0.005+/-0.003 χ^2/NDF: 64.0/45

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:54.0/37

Out: 0.002+/-0.003 χ^2/NDF:43.4/42

All: 0.002+/-0.002 χ^2/NDF: 97.4/80



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 15.000+/-0.003 χ^2/NDF:2721396.0/23

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.997+/-0.003 χ^2/NDF:2862134.8/21

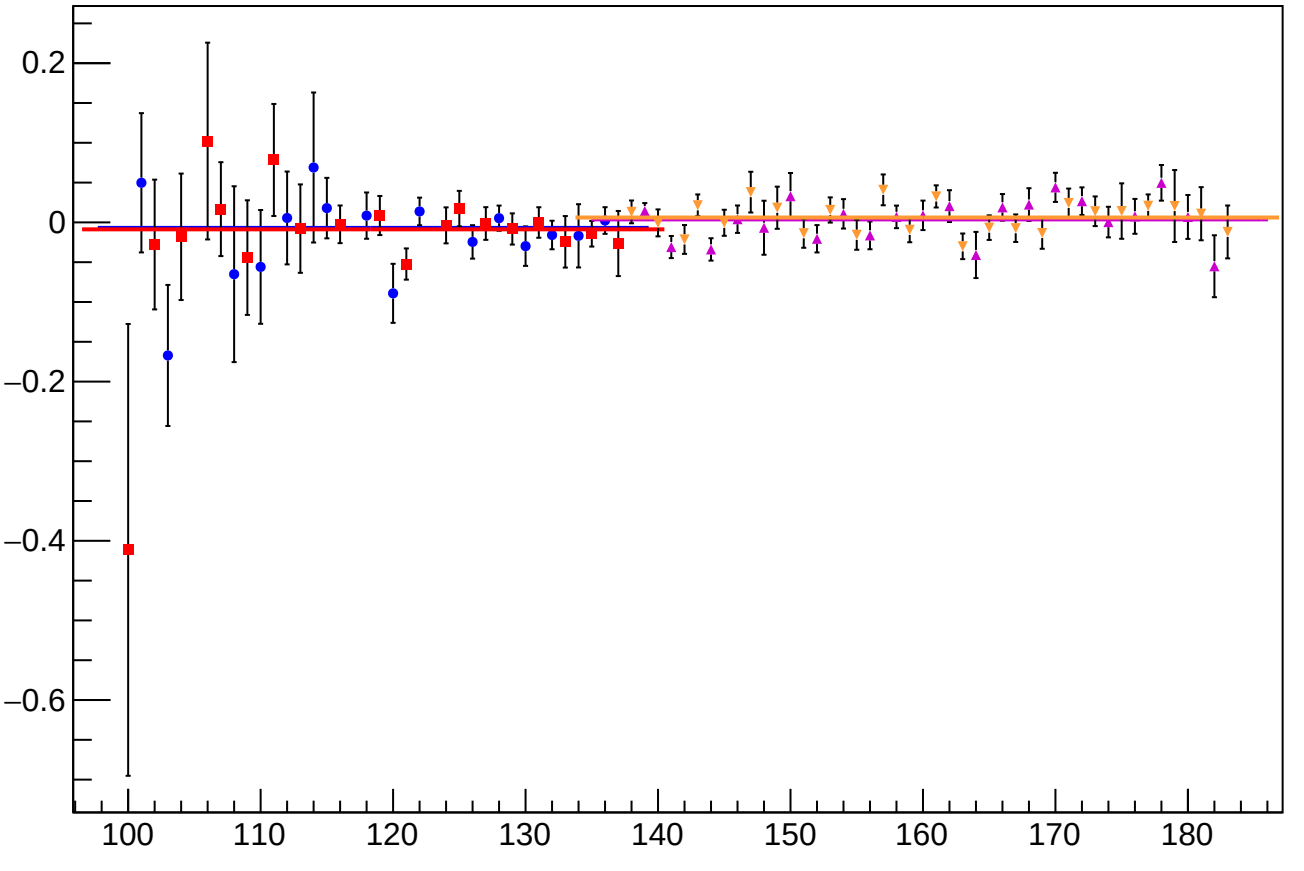
Left: 14.999+/-0.002 χ^2/NDF: 5583531.5/45

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 15.004+/-0.002 χ^2/NDF:6300440.4/37

Out: 14.837+/-0.002 χ^2/NDF:6366033.0/42

All: 14.917+/-0.002 χ^2/NDF: 12669097.6/80



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/23

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: 64.0/45

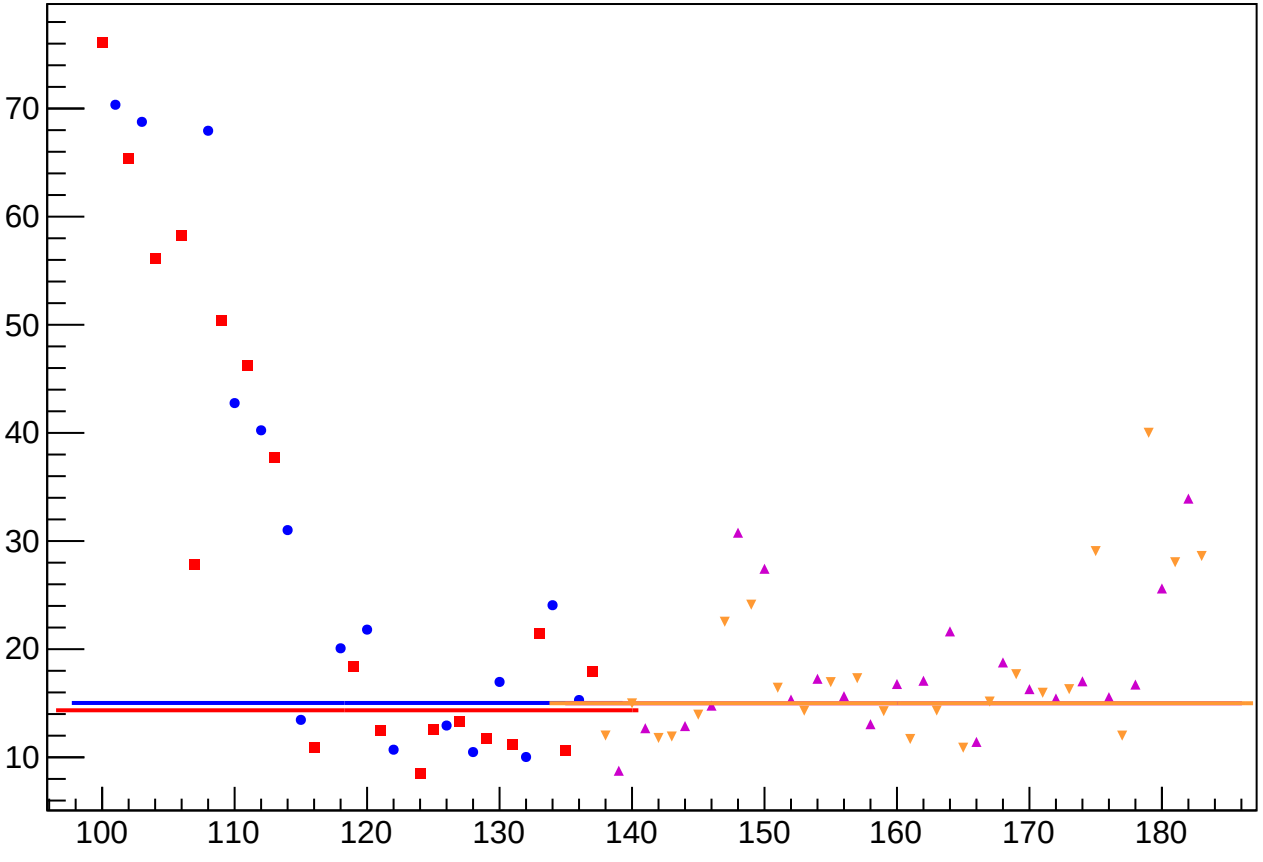
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:54.0/37

Out: 0.002+/-0.003 χ^2/NDF:43.4/42

All: 0.002+/-0.002 χ^2/NDF: 97.4/80

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: 15.000+/-0.003 χ^2/NDF:2721396.0/23

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.997+/-0.003 χ^2/NDF:2862134.8/21

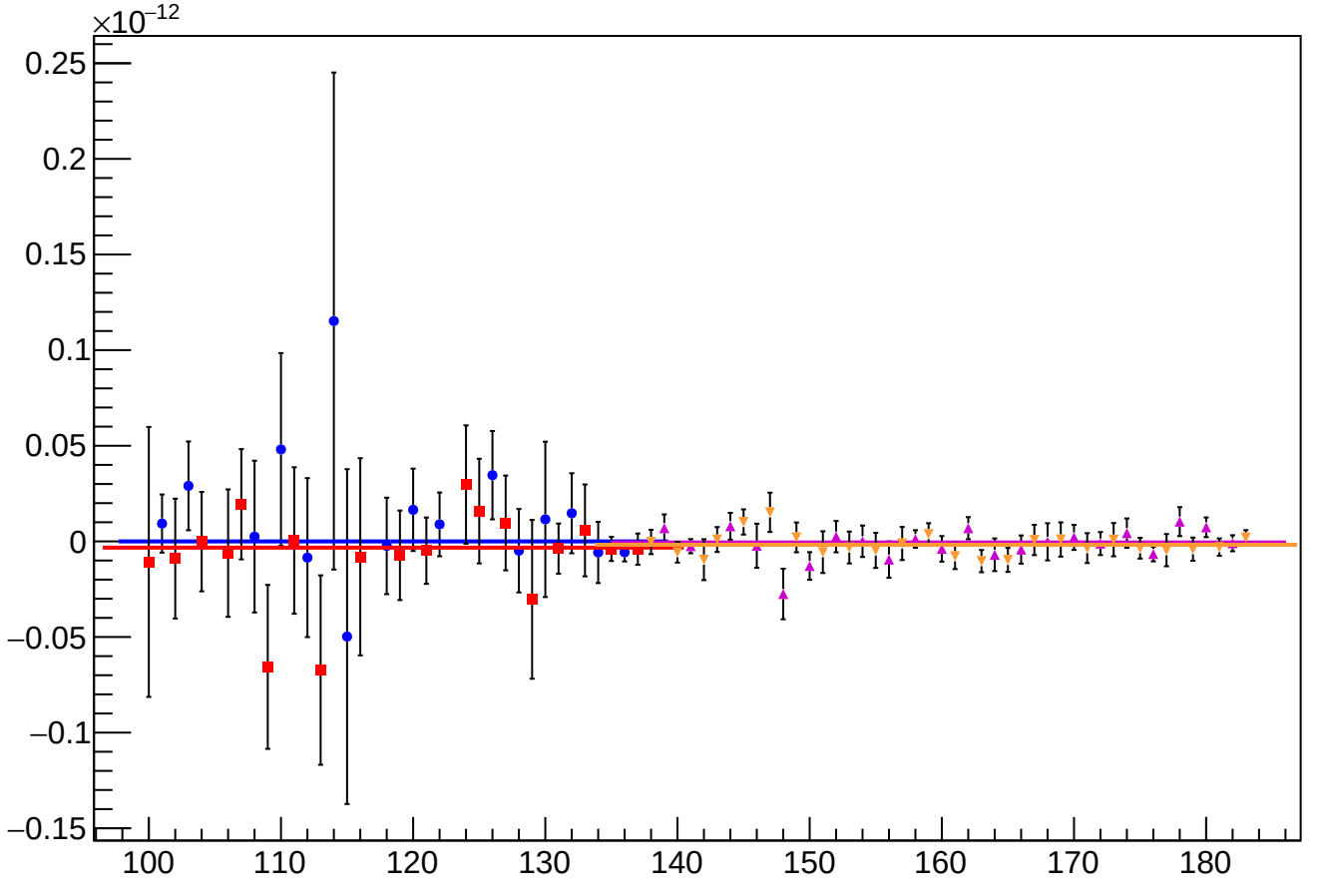
Left: 14.999+/-0.002 χ^2/NDF: 5583531.5/45

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 15.004+/-0.002 χ^2/NDF:6300440.4/37

Out: 14.837+/-0.002 χ^2/NDF:6366033.0/42

All: 14.917+/-0.002 χ^2/NDF: 12669097.6/80



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:21.3/21

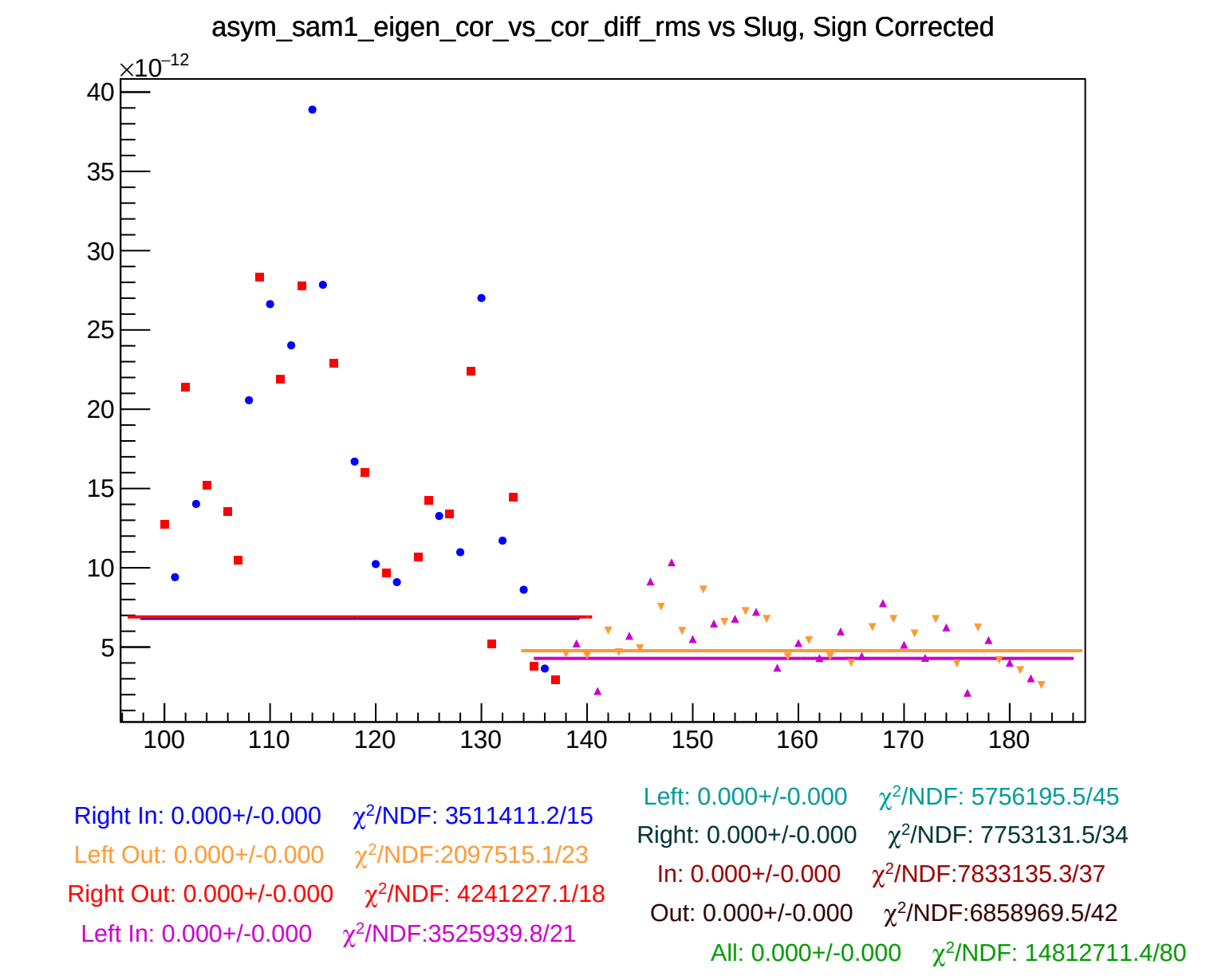
Left: -0.000+/-0.000 χ^2/NDF: 36.6/45

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

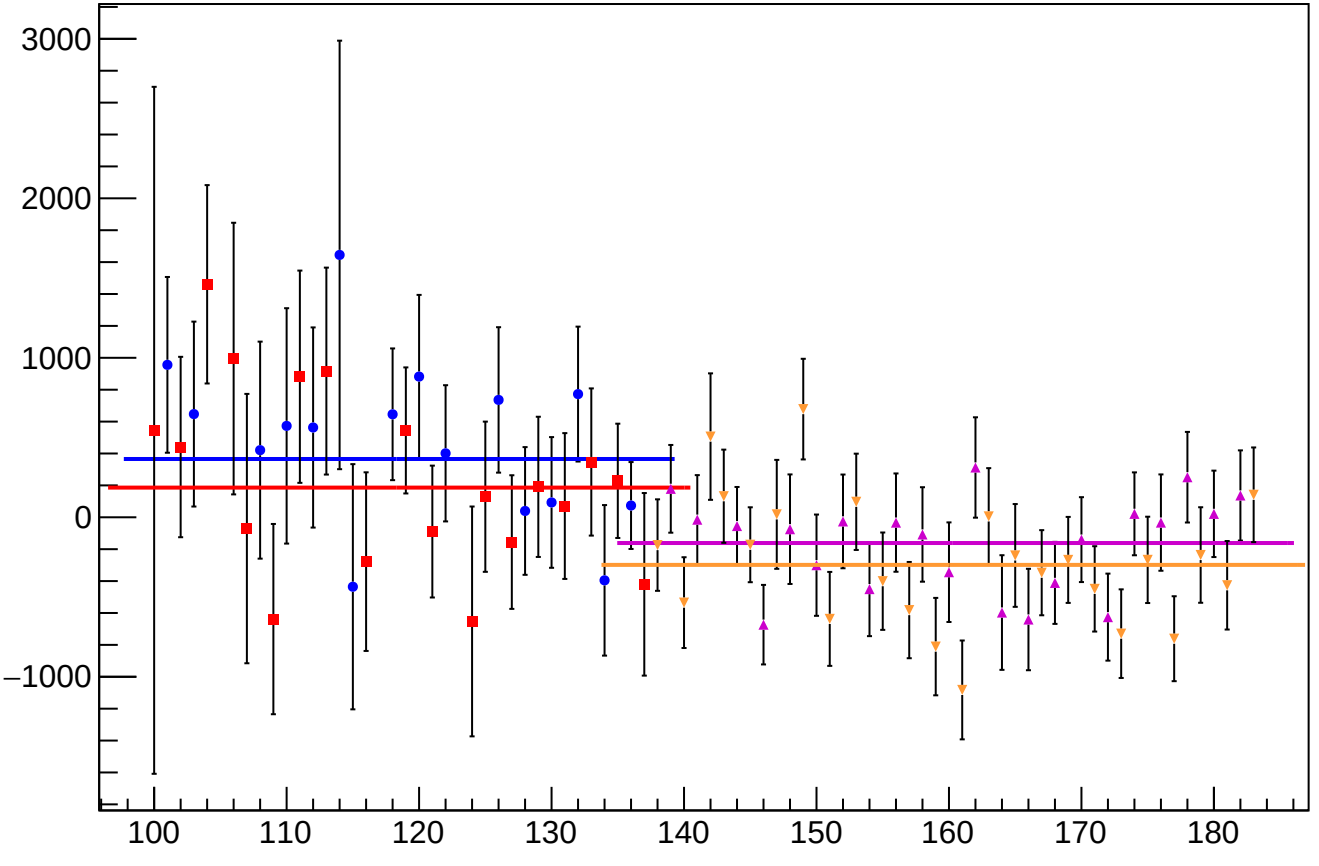
In: -0.000+/-0.000 χ^2/NDF:30.6/37

Out: -0.000+/-0.000 χ^2/NDF:22.1/42

All: -0.000+/-0.000 χ^2/NDF: 53.3/80


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2097515.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:3525939.8/21
Left: 0.000+/-0.000 χ²/NDF: 5756195.5/45
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:7833135.3/37
Out: 0.000+/-0.000 χ²/NDF:6858969.5/42
All: 0.000+/-0.000 χ²/NDF: 14812711.4/80

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -298.435+/-59.425 χ^2/NDF:40.4/23

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: -231.883+/-42.627 χ^2/NDF: 65.4/45

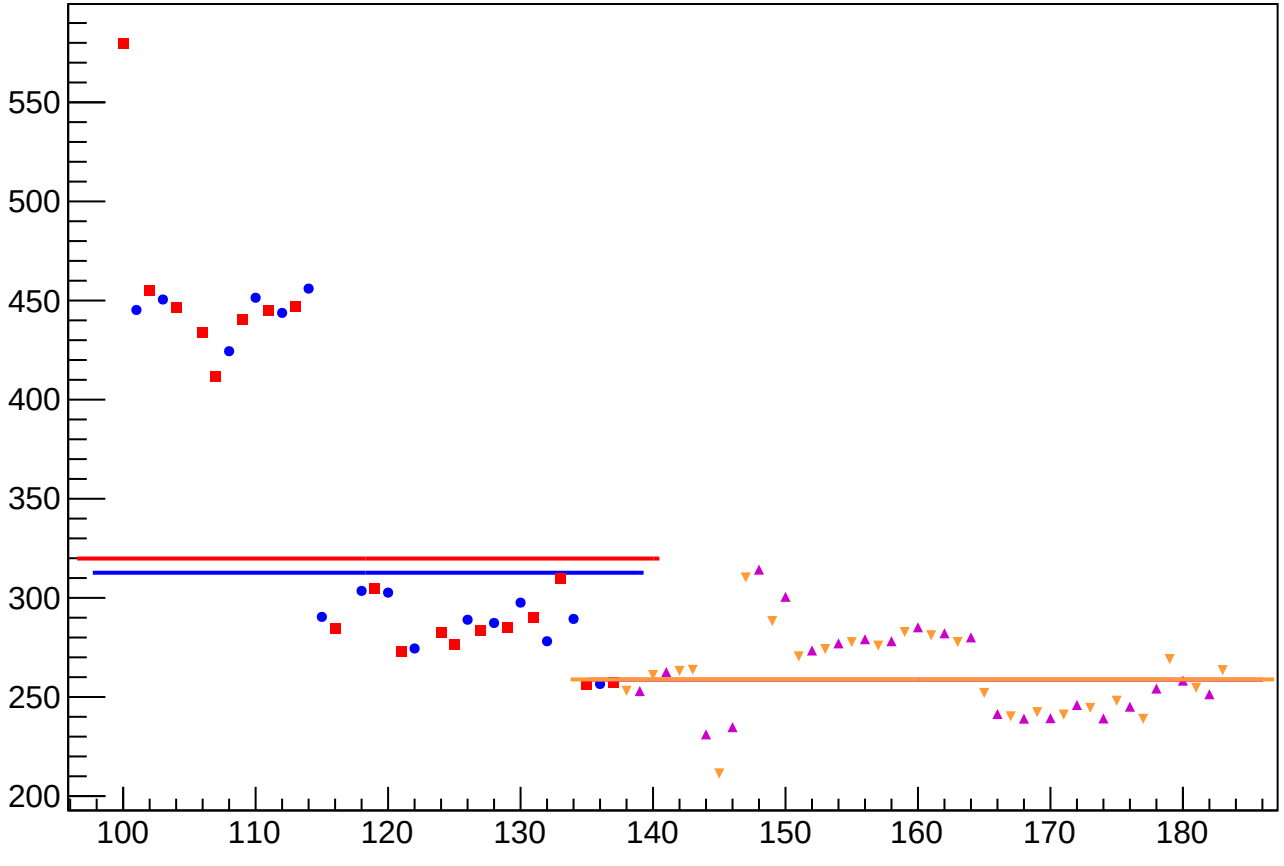
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -50.998+/-54.399 χ^2/NDF:49.4/37

Out: -203.245+/-53.269 χ^2/NDF:68.5/42

All: -128.720+/-38.060 χ^2/NDF: 121.9/80

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 258.858+/-0.042 χ^2/NDF:248615.5/23

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 258.724+/-0.043 χ^2/NDF:244459.3/21

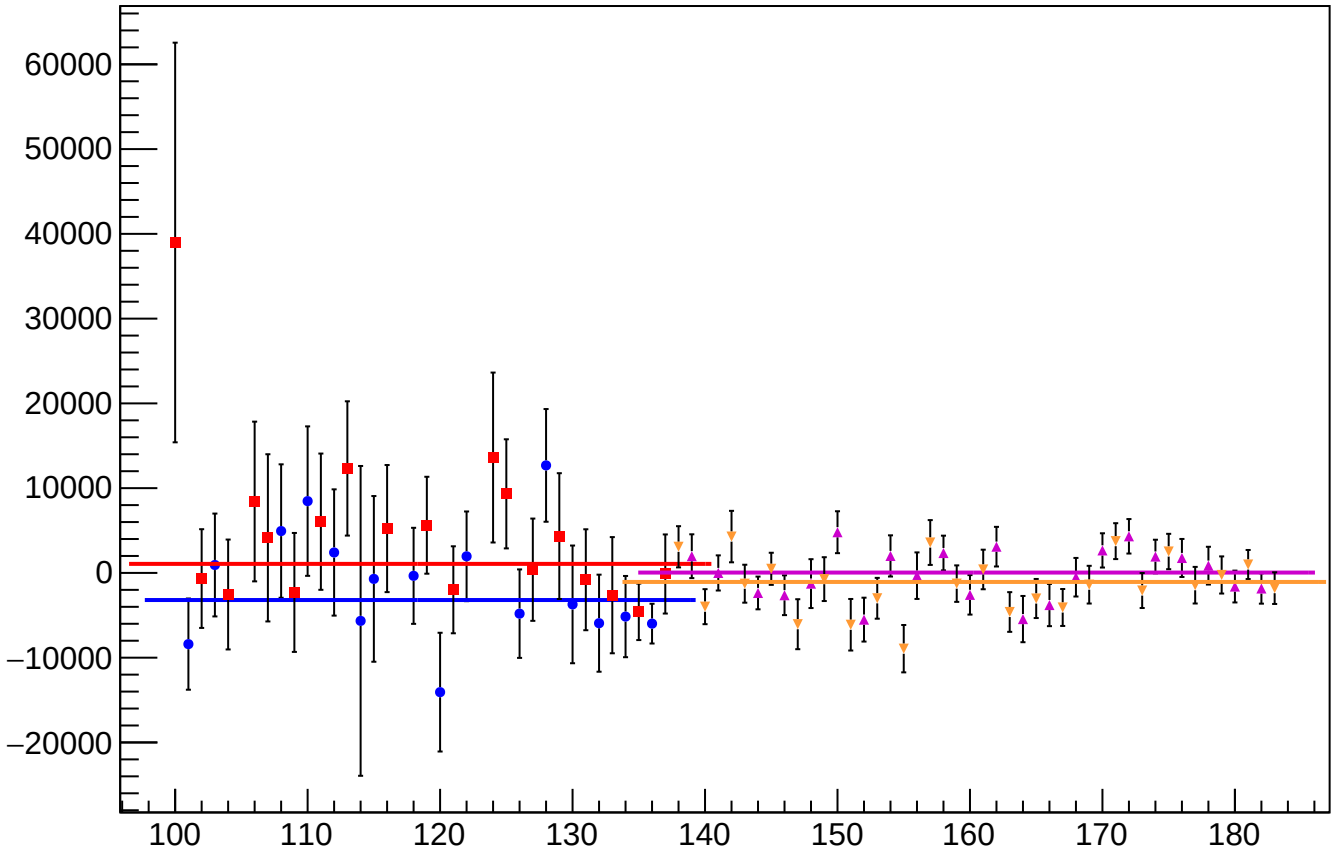
Left: 258.793+/-0.030 χ^2/NDF: 493079.8/45

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 270.024+/-0.038 χ^2/NDF:1172458.7/37

Out: 270.838+/-0.038 χ^2/NDF:1360243.8/42

All: 270.439+/-0.027 χ^2/NDF: 2532931.0/80



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1065.644+/-459.932 χ^2/NDF:41.5/23

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: 41.189+/-476.832 χ^2/NDF:32.9/21

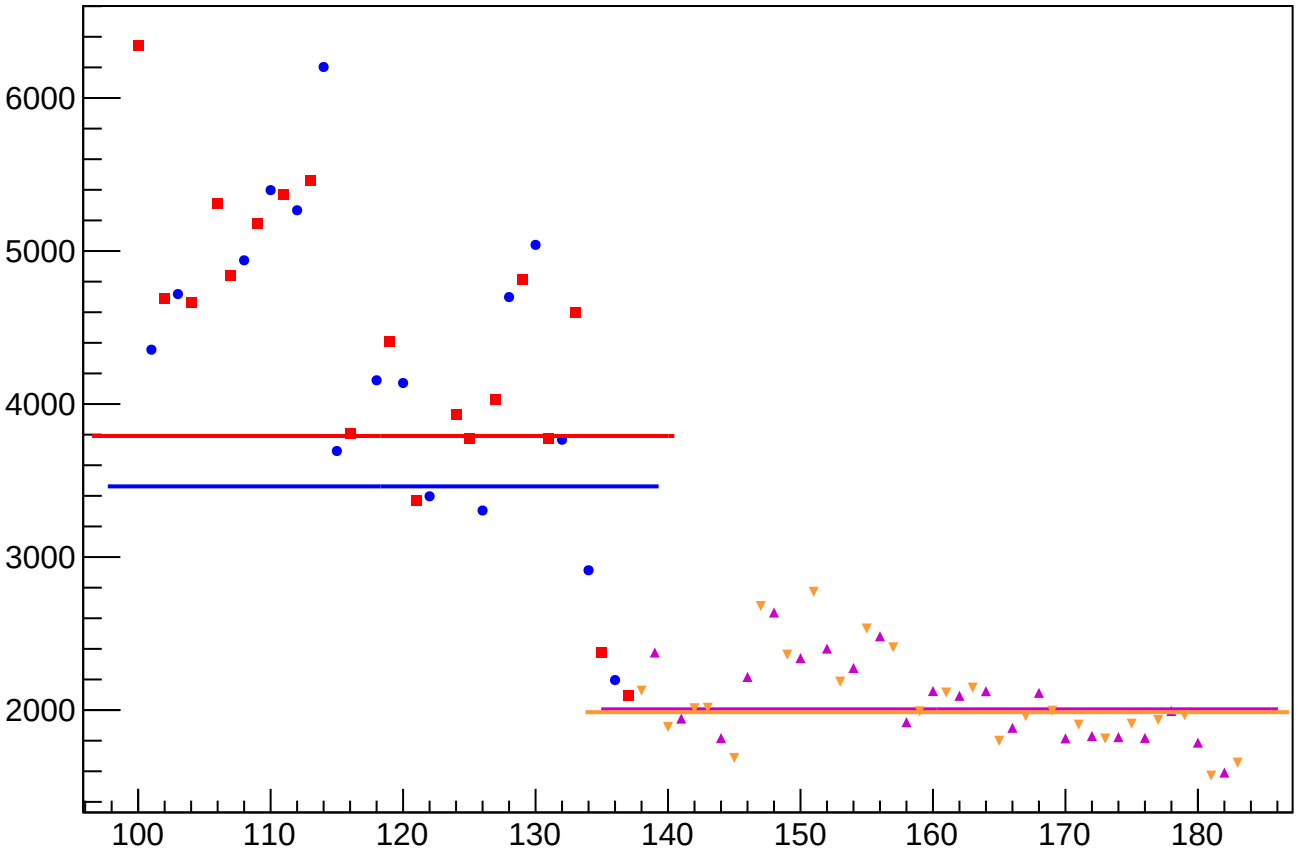
Left: -532.189+/-331.035 χ^2/NDF: 77.2/45

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -316.382+/-449.751 χ^2/NDF:54.1/37

Out: -869.145+/-438.221 χ^2/NDF:57.9/42

All: -599.940+/-313.866 χ^2/NDF: 112.7/80



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 1986.350+/-0.325 χ^2/NDF:718676.6/23

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: 1995.322+/-0.234 χ^2/NDF: 1284396.9/45

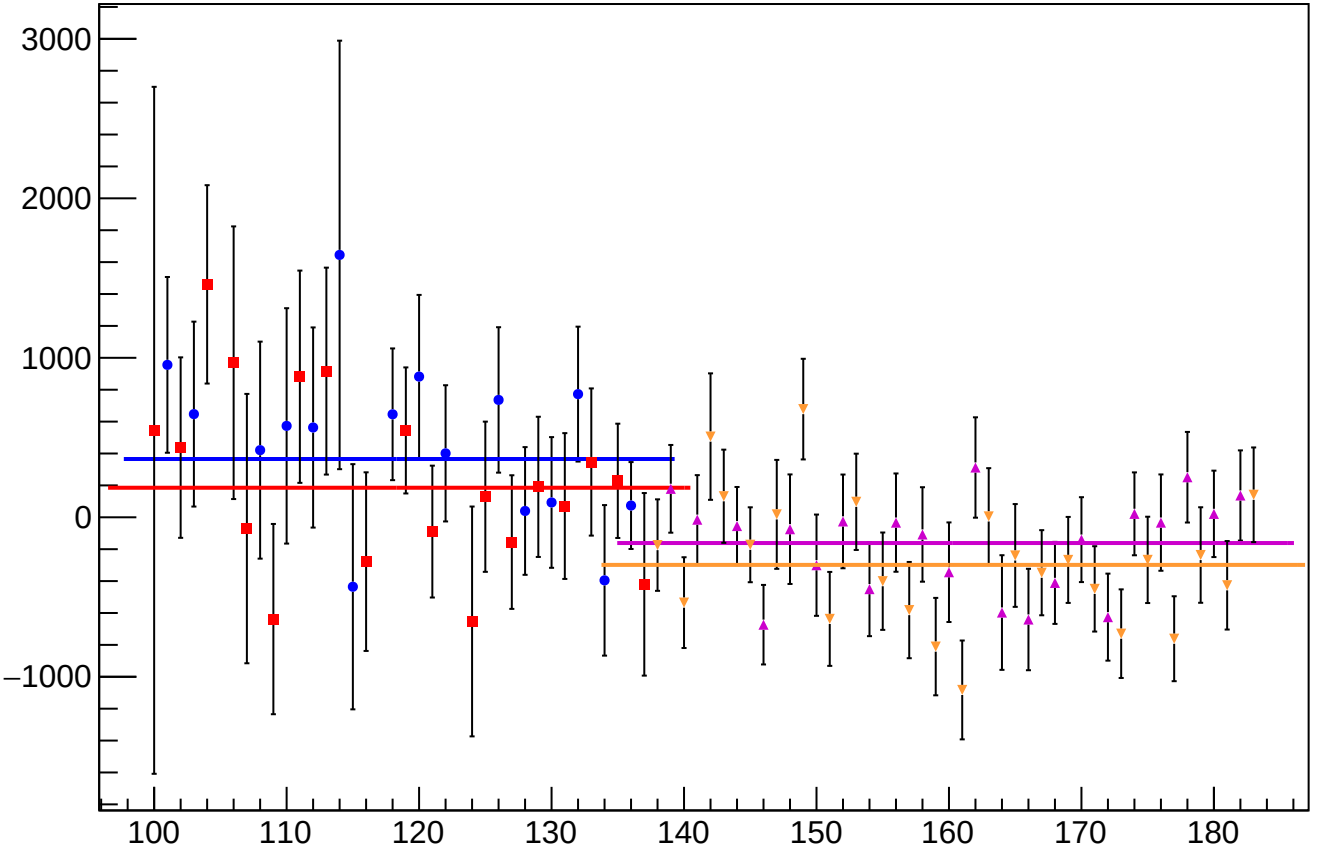
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2165.762+/-0.318 χ^2/NDF:3934450.3/37

Out: 2152.730+/-0.310 χ^2/NDF:4713557.5/42

All: 2159.076+/-0.222 χ^2/NDF: 8648869.2/80

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -298.434+/-59.425 χ^2/NDF:40.4/23

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: -231.887+/-42.627 χ^2/NDF: 65.4/45

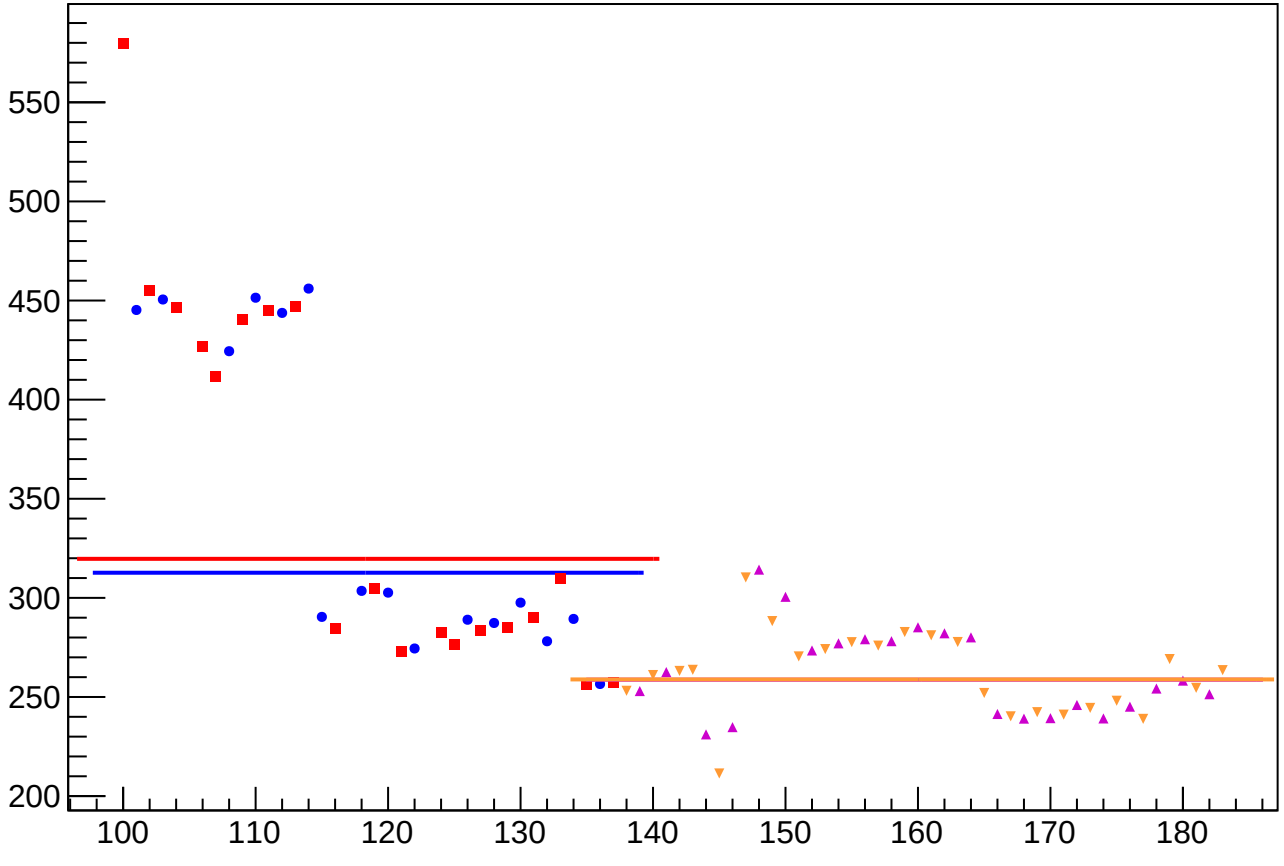
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -51.009+/-54.399 χ^2/NDF:49.4/37

Out: -203.417+/-53.270 χ^2/NDF:68.4/42

All: -128.811+/-38.061 χ^2/NDF: 121.8/80

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.858+/-0.042 χ^2/NDF:248615.5/23

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 258.724+/-0.043 χ^2/NDF:244459.3/21

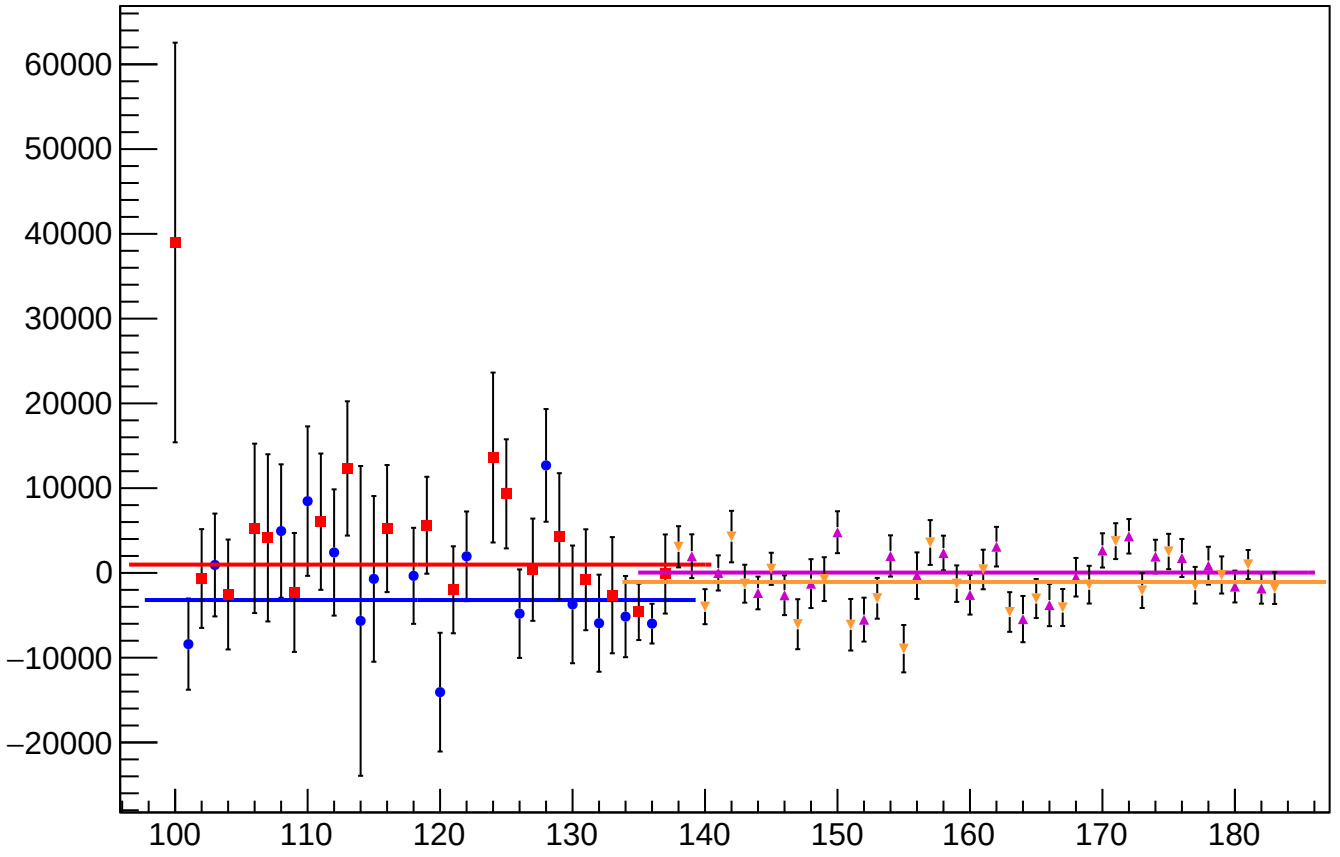
Left: 258.793+/-0.030 χ^2/NDF: 493079.8/45

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 270.024+/-0.038 χ^2/NDF:1172460.3/37

Out: 270.807+/-0.038 χ^2/NDF:1354010.7/42

All: 270.423+/-0.027 χ^2/NDF: 2526682.5/80



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1065.642+/-459.932 χ^2/NDF:41.5/23

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 41.188+/-476.833 χ^2/NDF:32.9/21

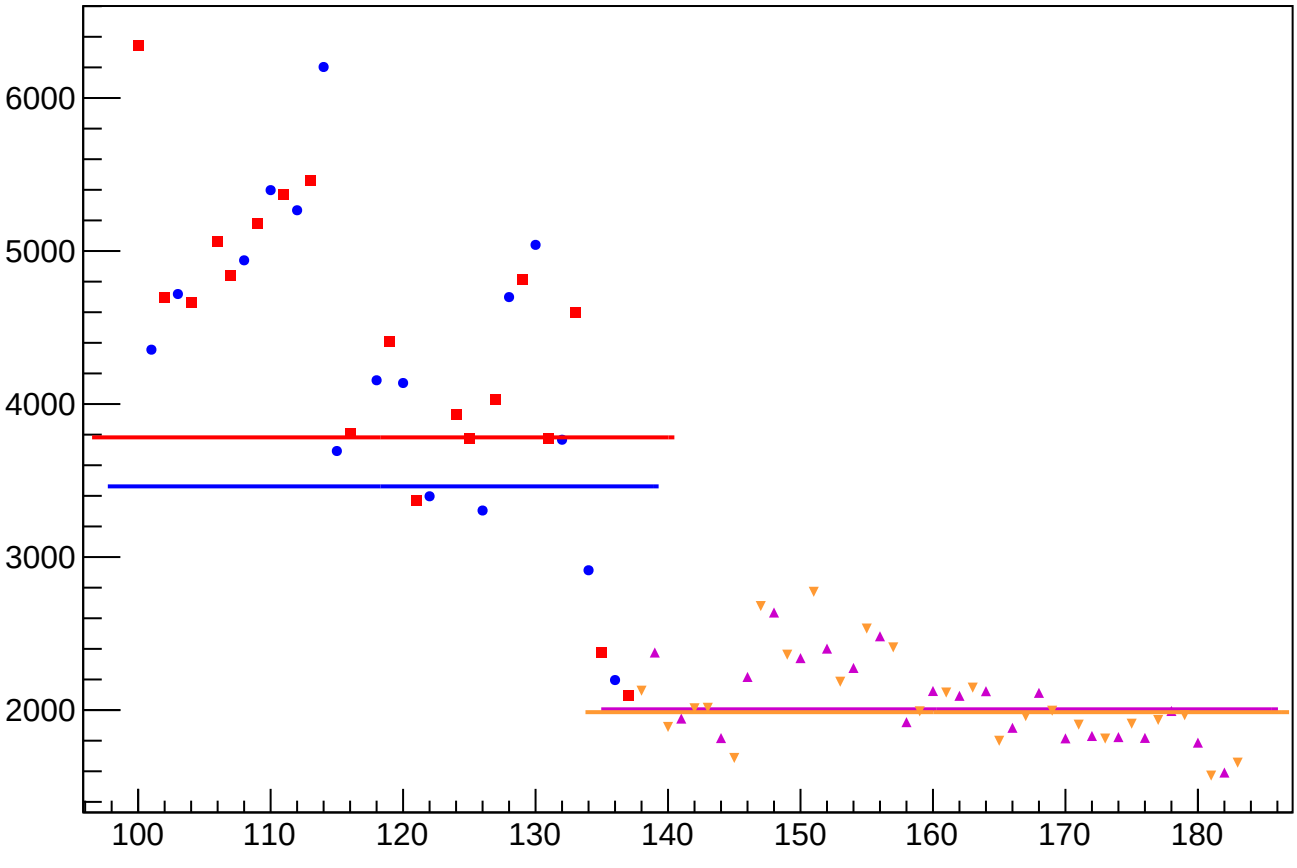
Left: -532.189+/-331.035 χ^2/NDF: 77.2/45

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -316.374+/-449.751 χ^2/NDF:54.1/37

Out: -877.439+/-438.275 χ^2/NDF:57.3/42

All: -604.156+/-313.886 χ^2/NDF: 112.2/80



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1986.350+/-0.325 χ^2/NDF:718677.0/23

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: 1995.323+/-0.234 χ^2/NDF: 1284396.8/45

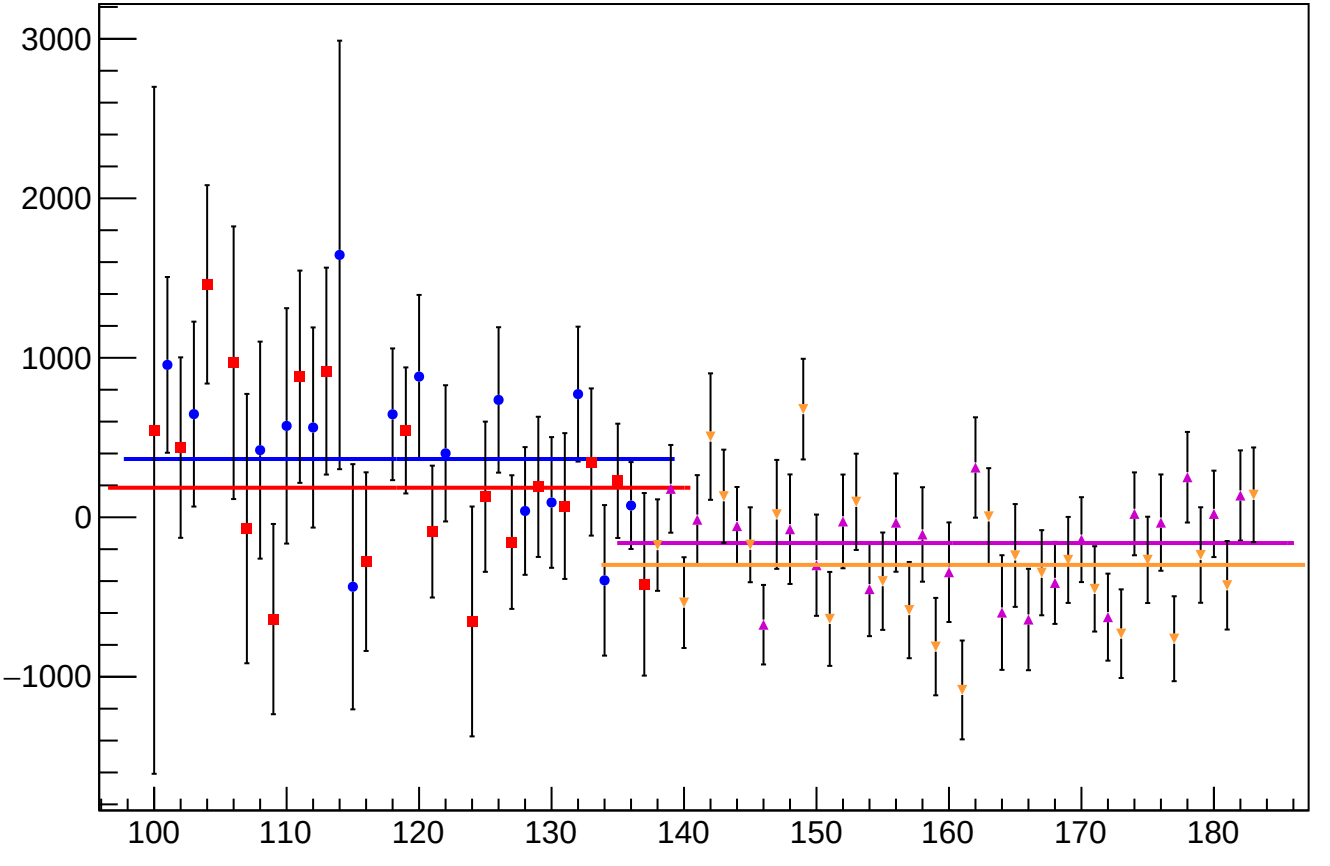
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2165.762+/-0.318 χ^2/NDF:3934468.3/37

Out: 2151.494+/-0.310 χ^2/NDF:4658960.0/42

All: 2158.444+/-0.222 χ^2/NDF: 8594460.8/80

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -298.434+/-59.425 χ^2/NDF:40.4/23

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: -231.887+/-42.627 χ^2/NDF: 65.4/45

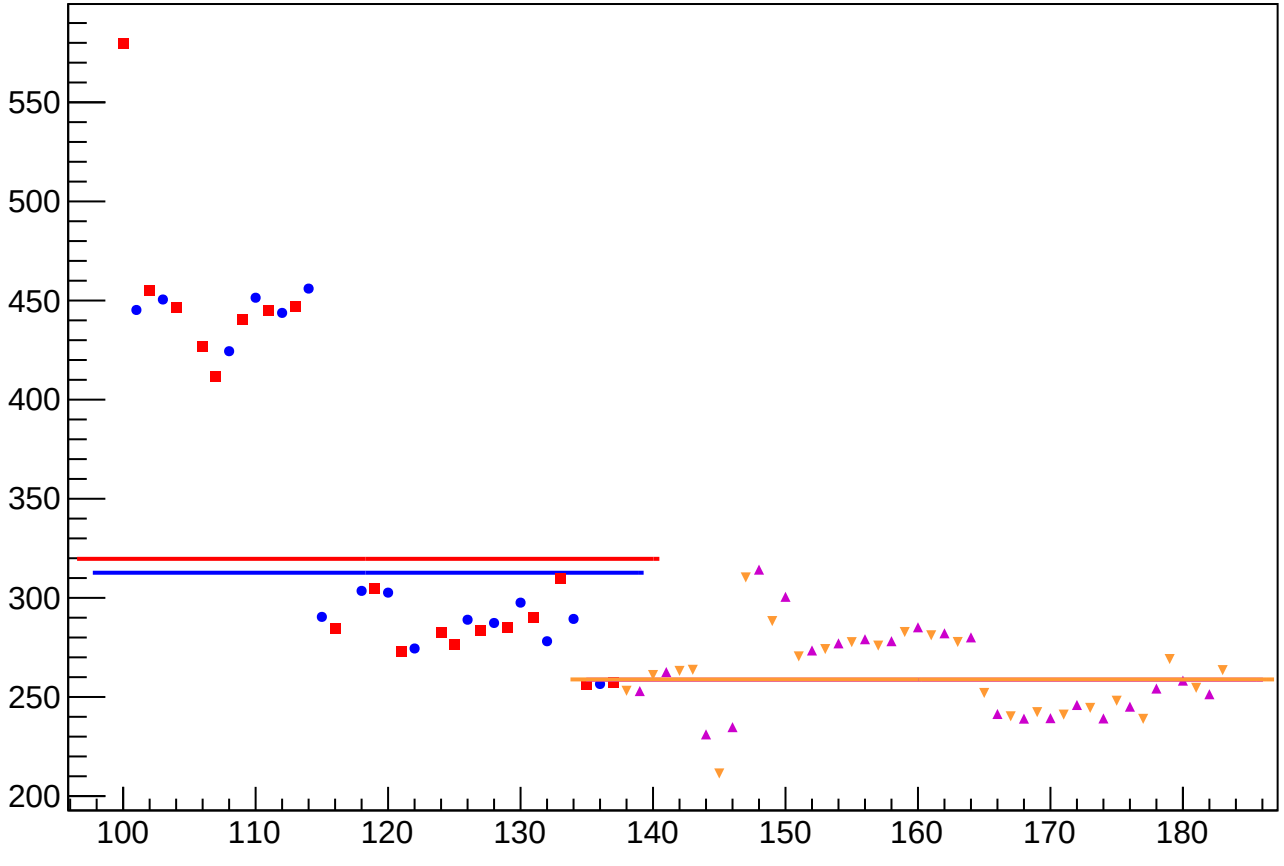
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -51.009+/-54.399 χ^2/NDF:49.4/37

Out: -203.417+/-53.270 χ^2/NDF:68.4/42

All: -128.811+/-38.061 χ^2/NDF: 121.8/80

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.858+/-0.042 χ^2/NDF:248615.5/23

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 258.724+/-0.043 χ^2/NDF:244459.3/21

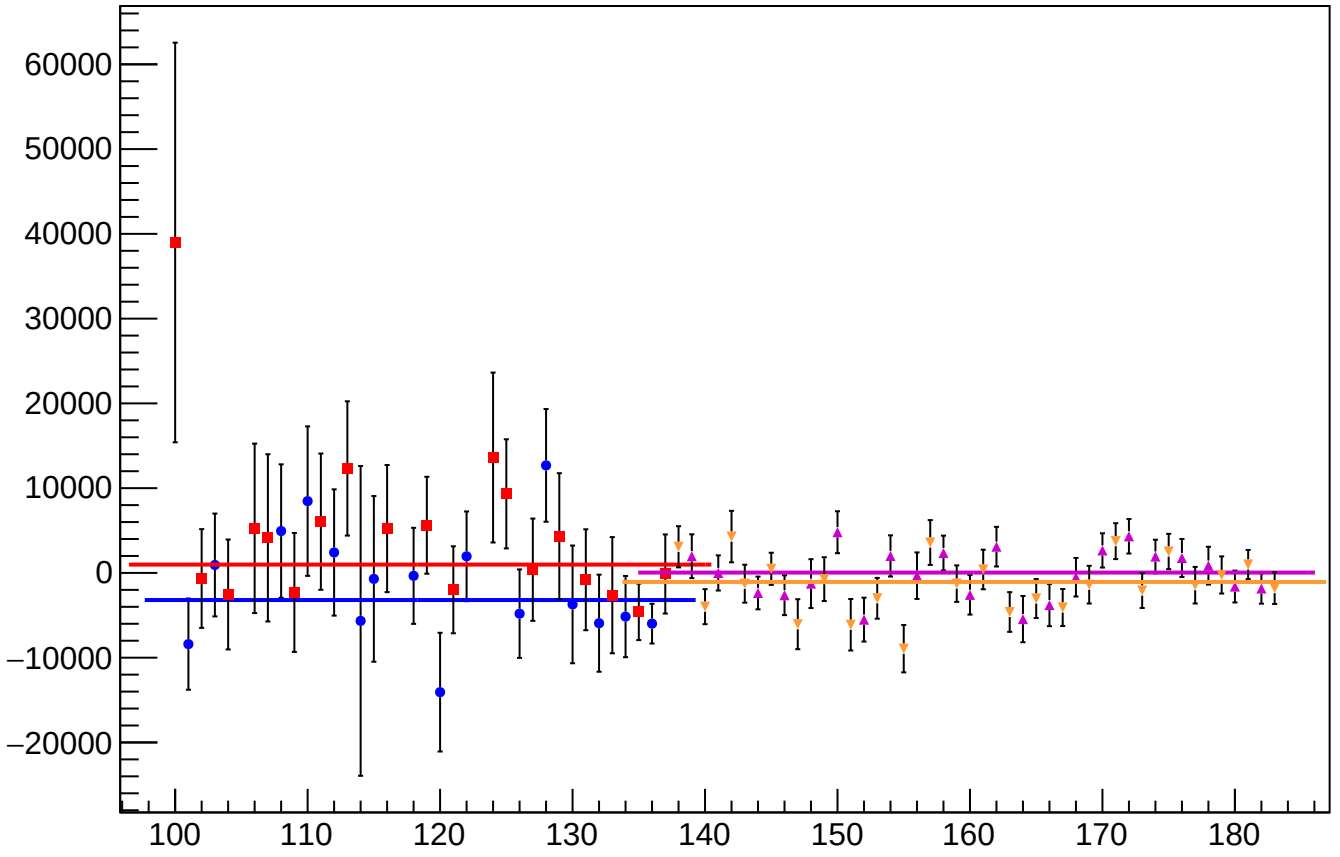
Left: 258.793+/-0.030 χ^2/NDF: 493079.8/45

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 270.024+/-0.038 χ^2/NDF:1172460.3/37

Out: 270.807+/-0.038 χ^2/NDF:1354010.7/42

All: 270.423+/-0.027 χ^2/NDF: 2526682.5/80



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1065.642+/-459.932 χ^2/NDF:41.5/23

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 41.188+/-476.833 χ^2/NDF:32.9/21

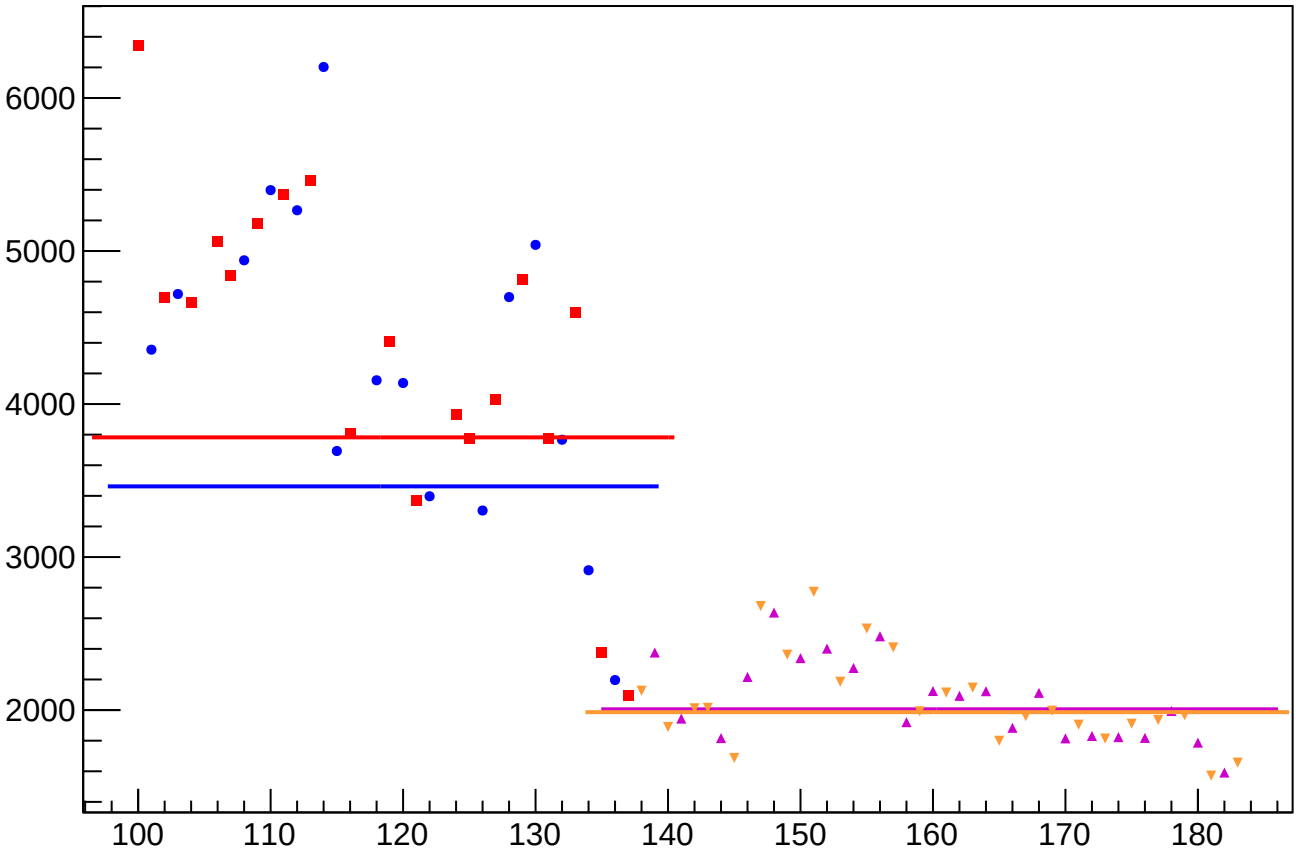
Left: -532.189+/-331.035 χ^2/NDF: 77.2/45

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -316.374+/-449.751 χ^2/NDF:54.1/37

Out: -877.439+/-438.275 χ^2/NDF:57.3/42

All: -604.156+/-313.886 χ^2/NDF: 112.2/80



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1986.350+/-0.325 χ^2/NDF:718677.0/23

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2004.967+/-0.337 χ^2/NDF:564140.5/21

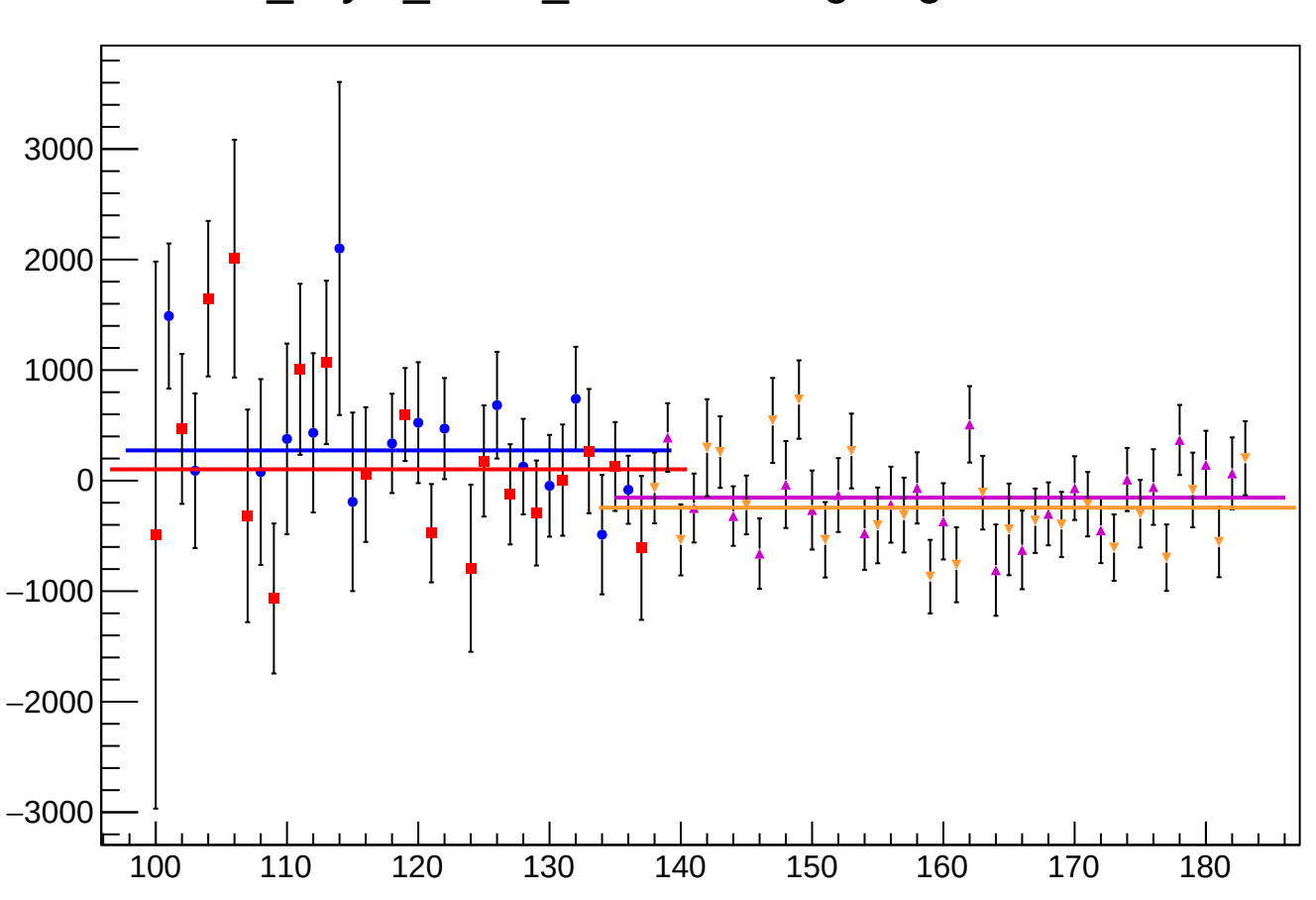
Left: 1995.323+/-0.234 χ^2/NDF: 1284396.8/45

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2165.762+/-0.318 χ^2/NDF:3934468.3/37

Out: 2151.494+/-0.310 χ^2/NDF:4658960.0/42

All: 2158.444+/-0.222 χ^2/NDF: 8594460.8/80



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -244.698+/-66.586 χ^2/NDF:33.6/23

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: -200.359+/-47.817 χ^2/NDF: 56.0/45

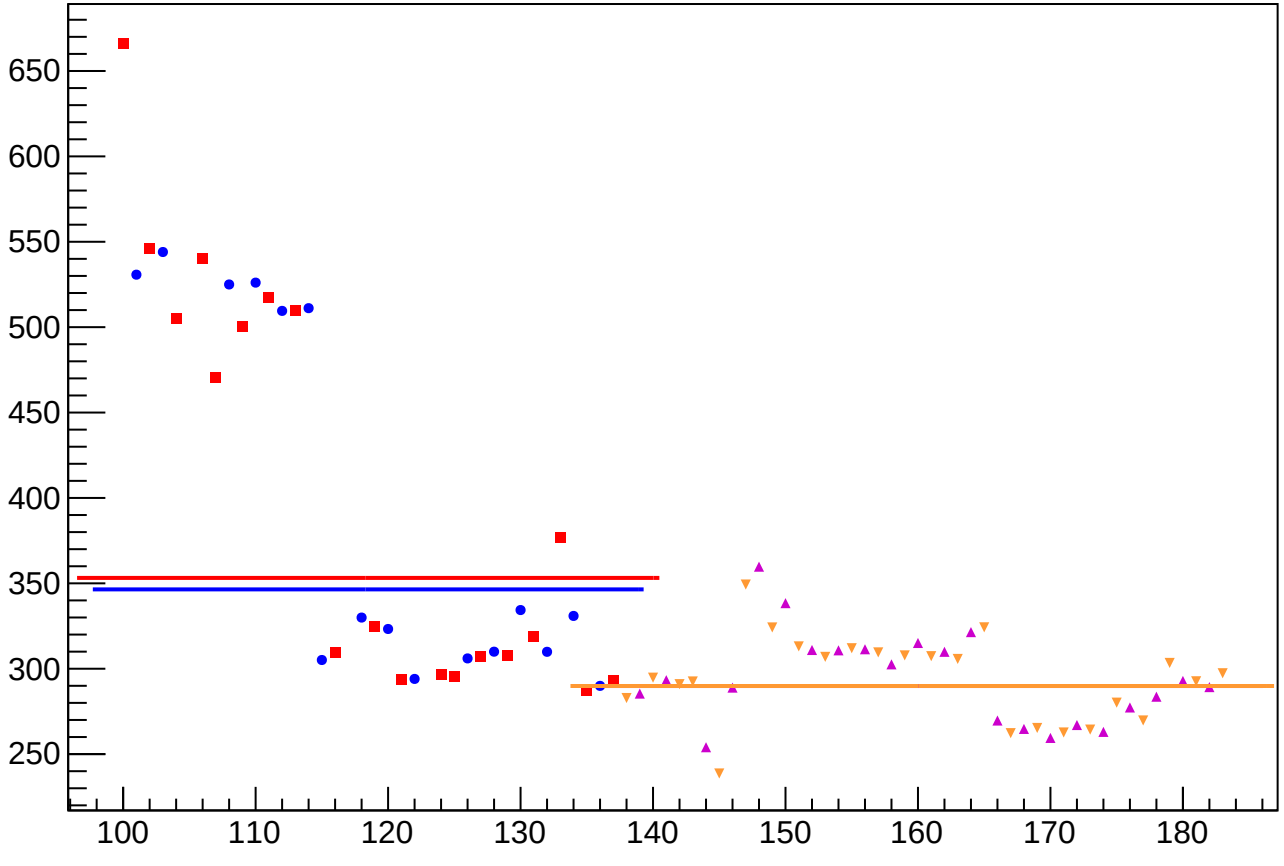
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -62.756+/-61.000 χ^2/NDF:41.1/37

Out: -175.646+/-59.595 χ^2/NDF:60.3/42

All: -120.515+/-42.628 χ^2/NDF: 103.2/80

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 289.885+/-0.047 χ^2/NDF:279965.7/23

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 289.870+/-0.049 χ^2/NDF:269533.6/21

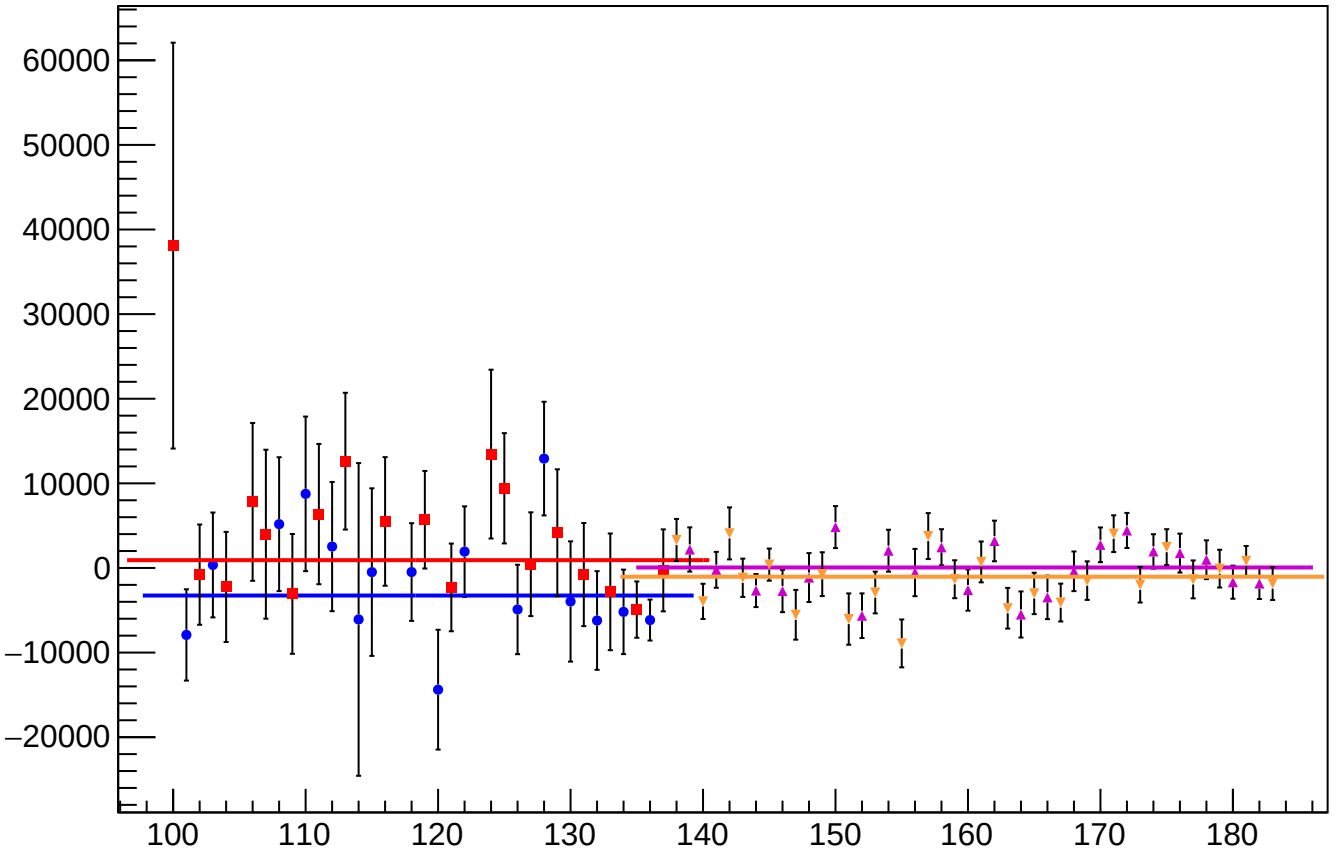
Left: 289.878+/-0.034 χ^2/NDF: 549499.4/45

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 301.856+/-0.043 χ^2/NDF:1325627.8/37

Out: 302.478+/-0.042 χ^2/NDF:1505860.2/42

All: 302.174+/-0.030 χ^2/NDF: 2831594.3/80



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1036.277+/-470.286 χ^2/NDF:40.3/23

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 56.141+/-488.655 χ^2/NDF:32.9/21

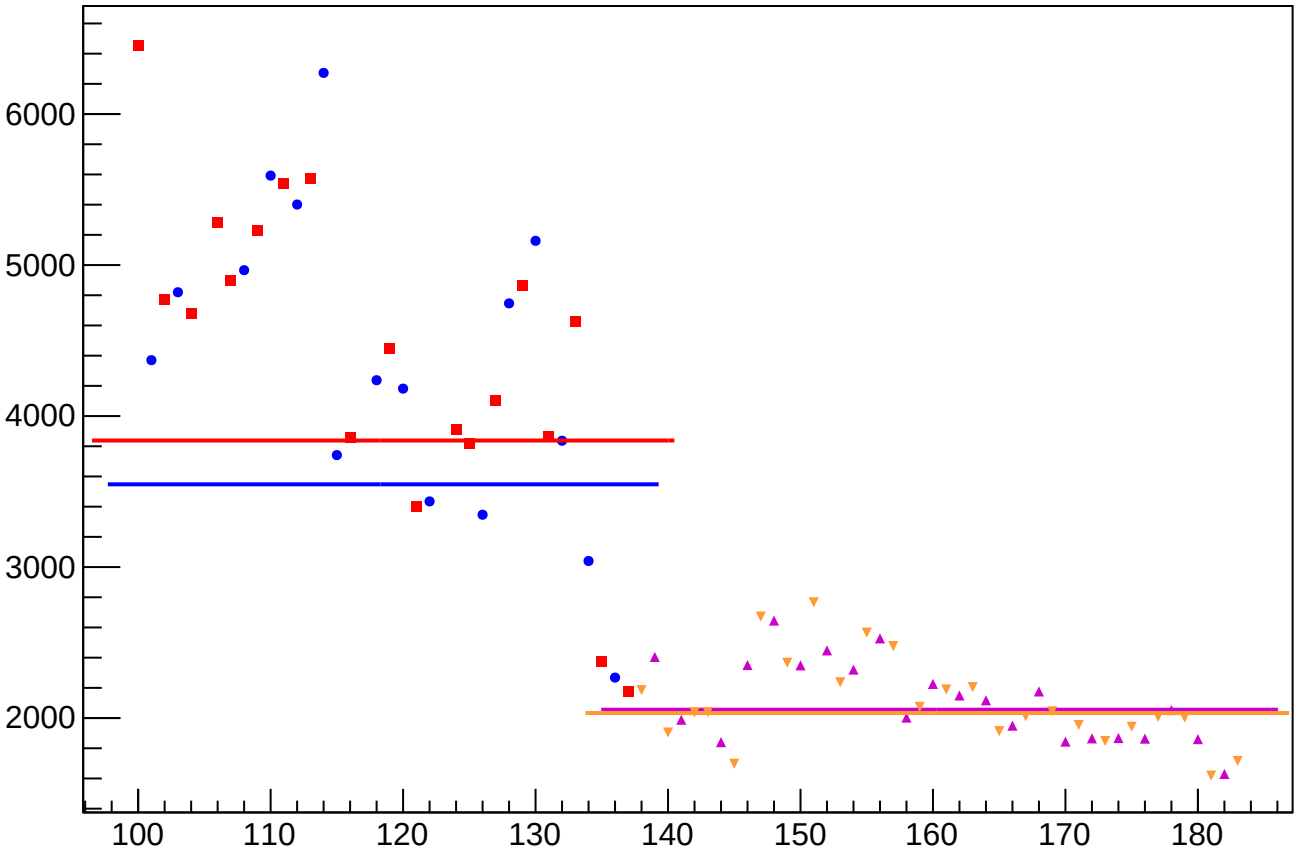
Left: -510.986+/-338.850 χ^2/NDF: 75.8/45

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -311.238+/-460.783 χ^2/NDF:54.0/37

Out: -852.433+/-447.657 χ^2/NDF:56.6/42

All: -589.653+/-321.082 χ^2/NDF: 111.3/80



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2033.456+/-0.333 χ^2/NDF:670635.4/23

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2055.461+/-0.346 χ^2/NDF:546261.4/21

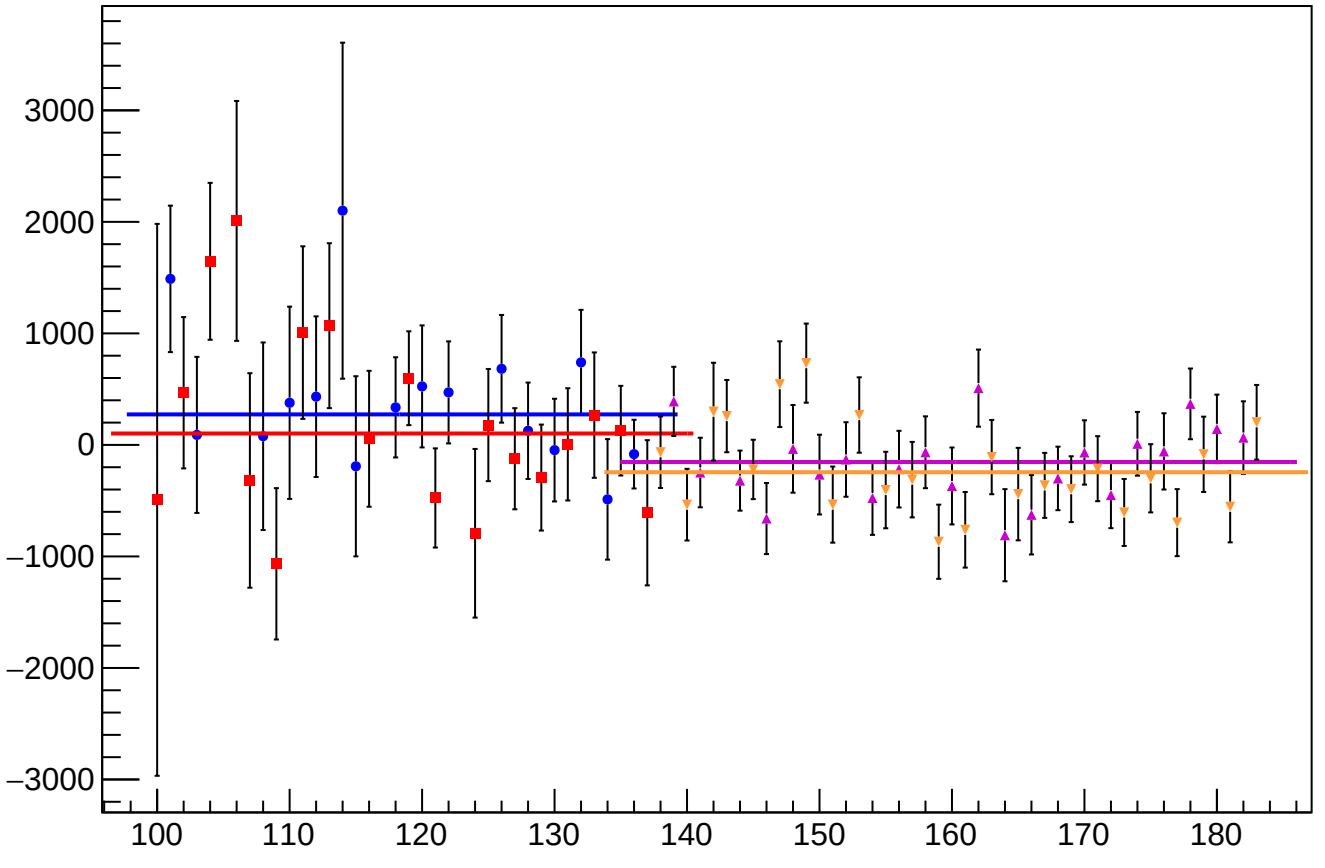
Left: 2044.037+/-0.240 χ^2/NDF: 1219002.2/45

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2220.866+/-0.326 χ^2/NDF:3872468.8/37

Out: 2202.934+/-0.317 χ^2/NDF:4592001.7/42

All: 2211.641+/-0.227 χ^2/NDF: 8466028.8/80



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -244.702+/-66.586 χ^2/NDF:33.6/23

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -153.148+/-68.710 χ^2/NDF:21.5/21

Left: -200.362+/-47.817 χ^2/NDF: 56.0/45

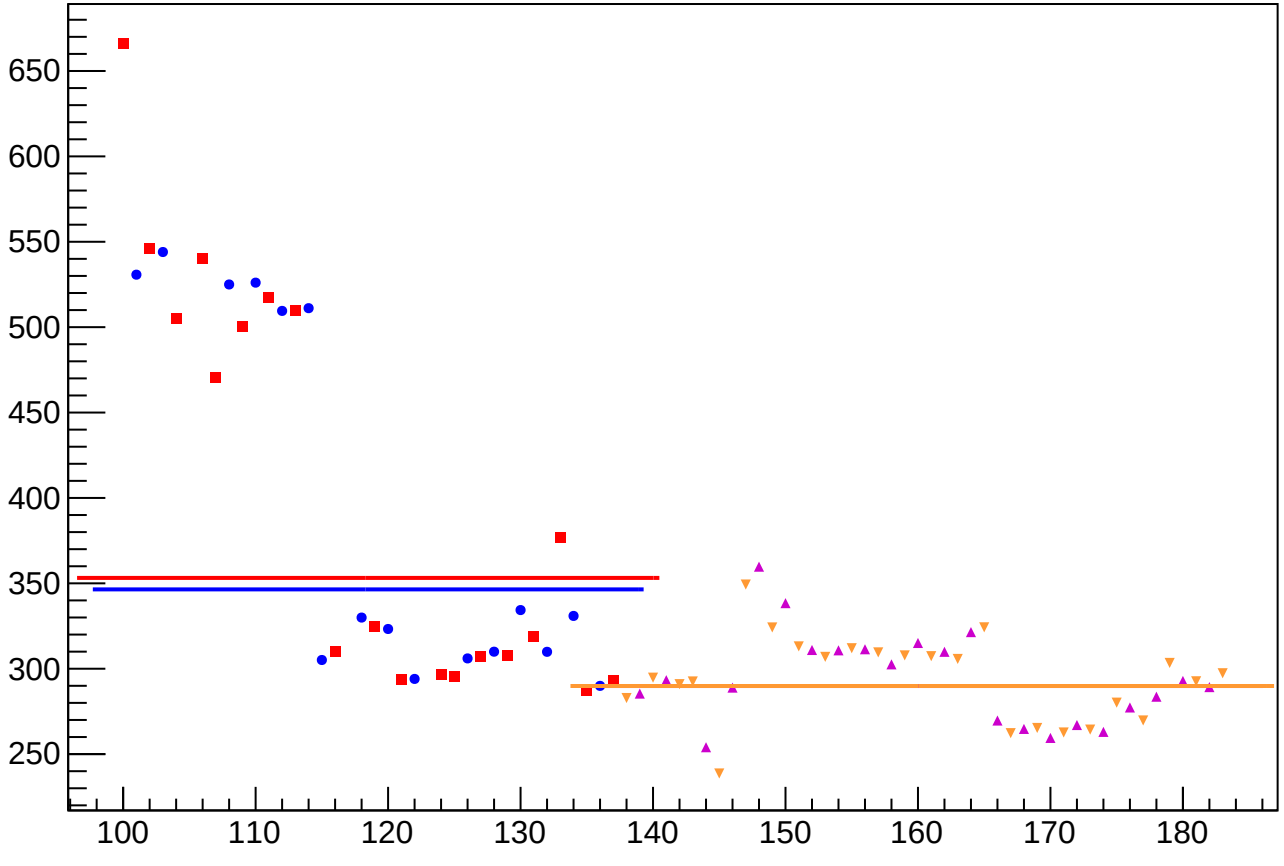
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -62.755+/-61.000 χ^2/NDF:41.1/37

Out: -175.648+/-59.595 χ^2/NDF:60.3/42

All: -120.516+/-42.628 χ^2/NDF: 103.2/80

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 289.885+/-0.047 χ^2/NDF:279971.3/23

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: 289.878+/-0.034 χ^2/NDF: 549507.3/45

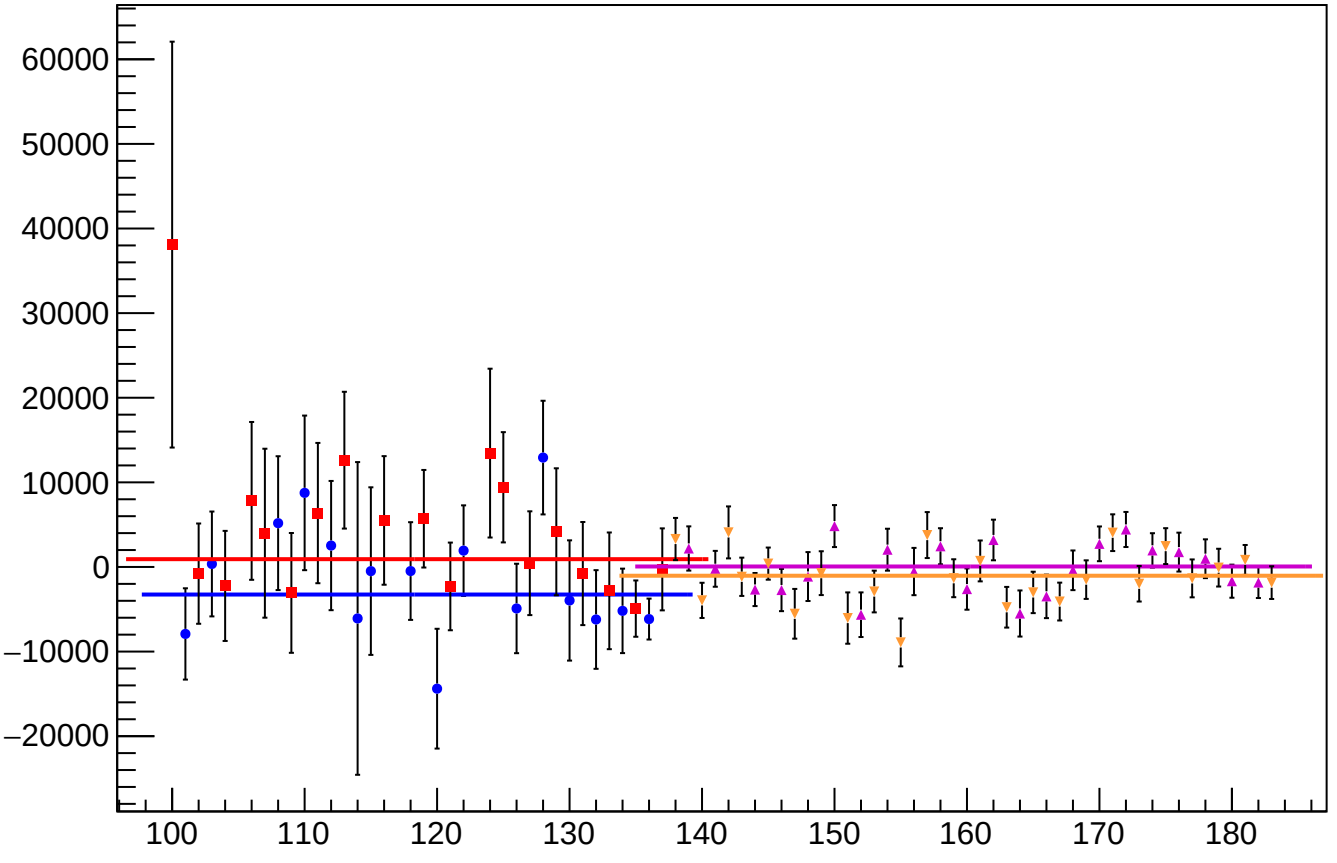
Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 301.856+/-0.043 χ^2/NDF:1325603.9/37

Out: 302.478+/-0.042 χ^2/NDF:1505842.4/42

All: 302.174+/-0.030 χ^2/NDF: 2831552.8/80

asym_sam2_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1036.277+/-470.286 χ^2/NDF:40.3/23

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: 56.142+/-488.655 χ^2/NDF:32.9/21

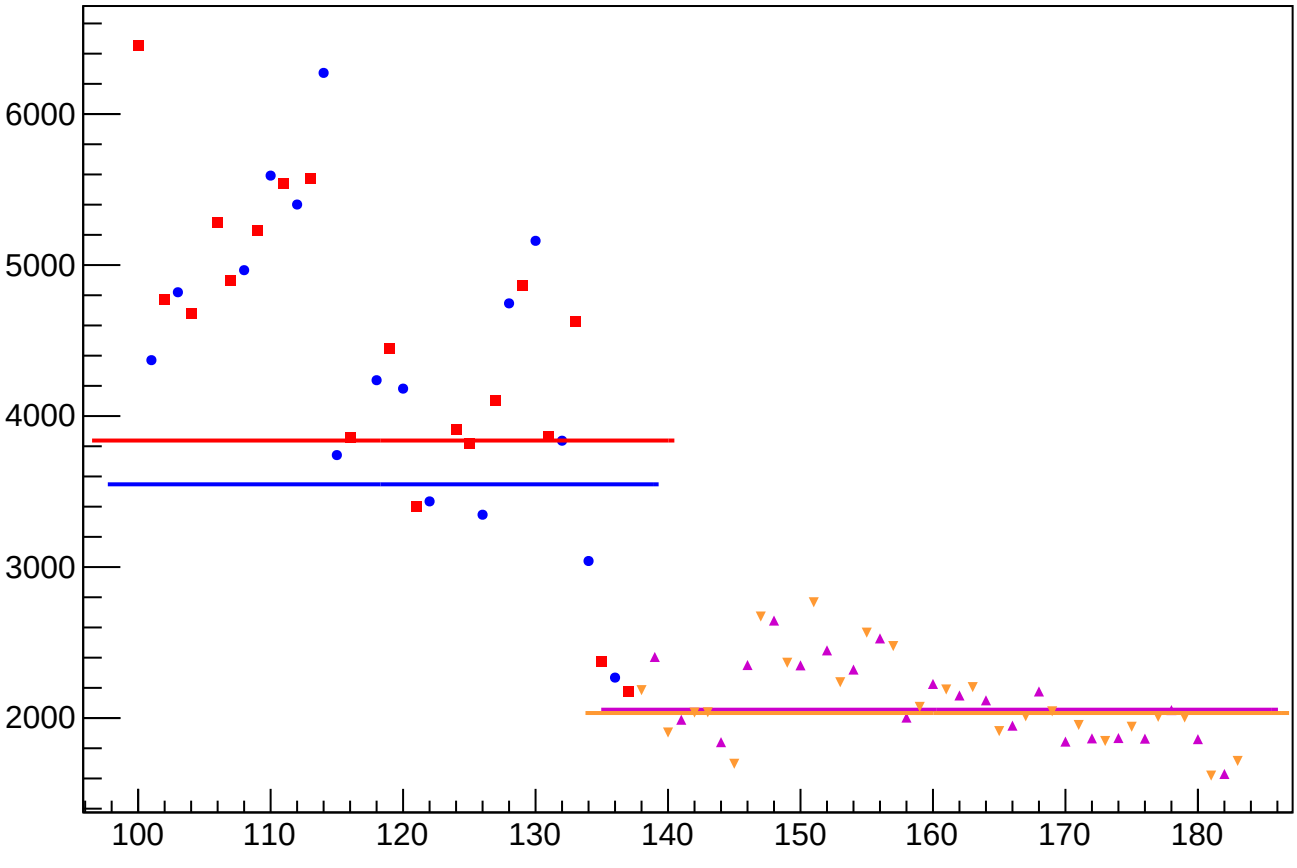
Left: -510.986+/-338.850 χ^2/NDF: 75.8/45

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -311.237+/-460.783 χ^2/NDF:54.0/37

Out: -852.432+/-447.657 χ^2/NDF:56.6/42

All: -589.652+/-321.082 χ^2/NDF: 111.3/80



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2033.456+/-0.333 χ^2/NDF:670640.0/23

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: 2044.037+/-0.240 χ^2/NDF: 1219011.9/45

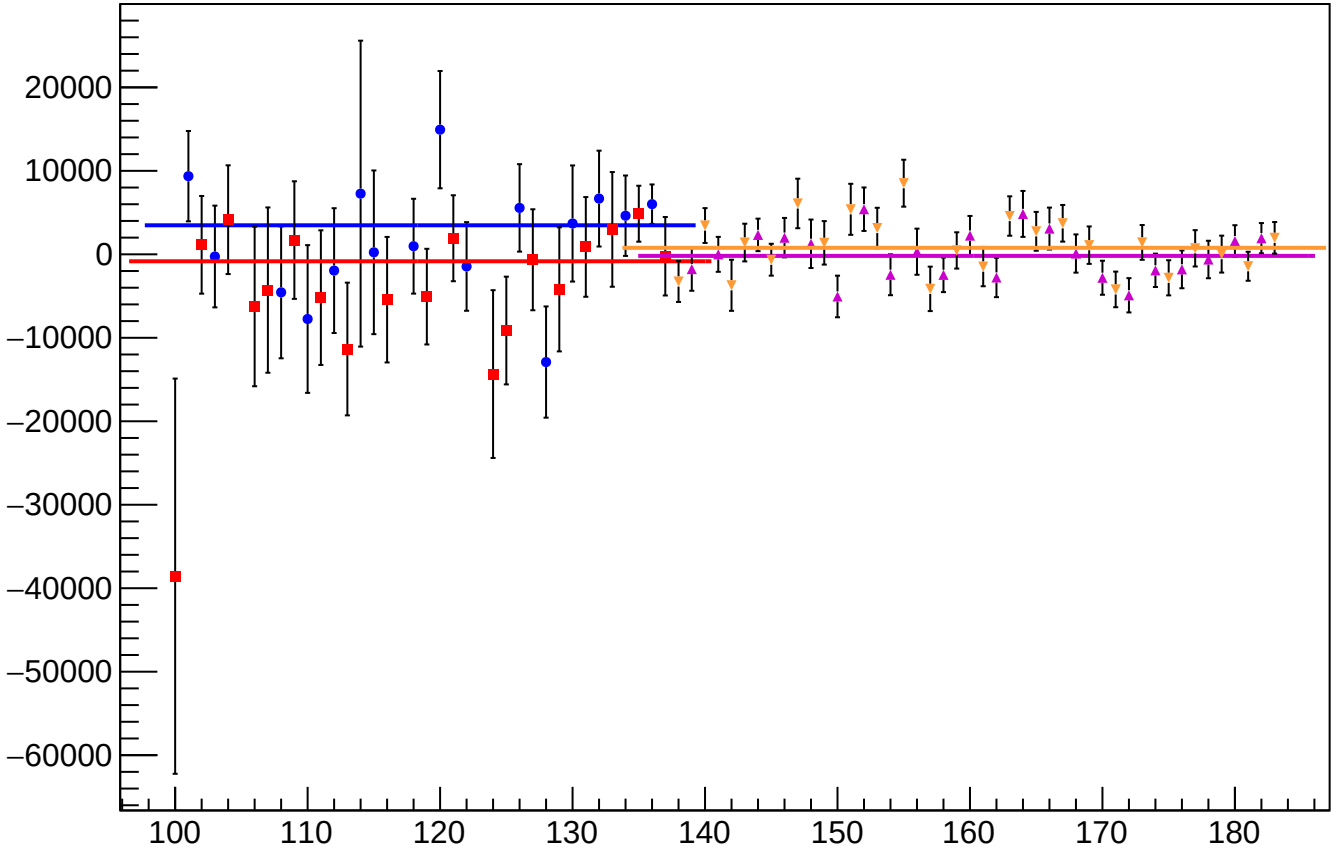
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2220.866+/-0.326 χ^2/NDF:3872457.3/37

Out: 2202.934+/-0.317 χ^2/NDF:4591989.4/42

All: 2211.641+/-0.227 χ^2/NDF: 8466004.9/80

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 778.520+/-463.991 χ^2/NDF:41.3/23

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: 313.217+/-333.925 χ^2/NDF: 74.8/45

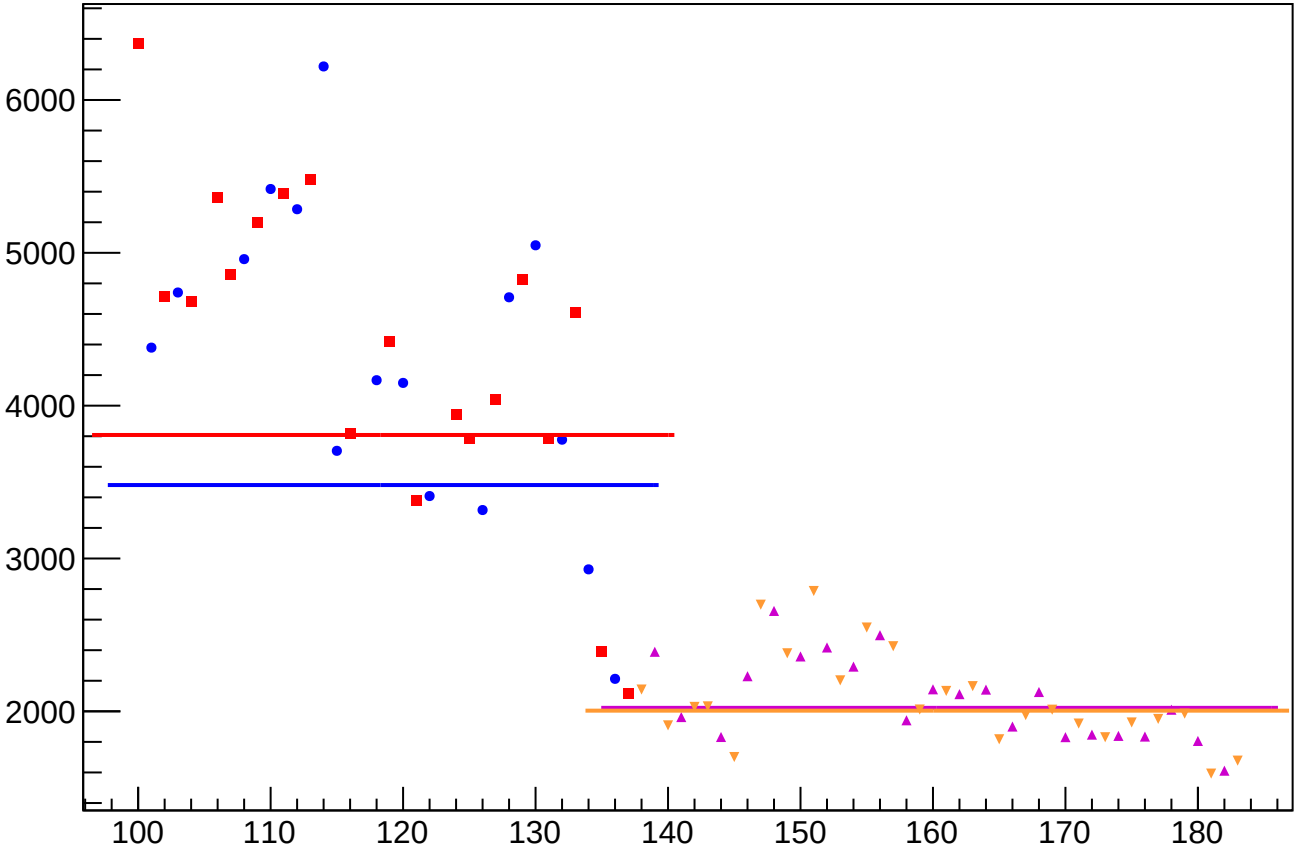
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 220.500+/-453.444 χ^2/NDF:54.2/37

Out: 628.806+/-441.907 χ^2/NDF:56.4/42

All: 429.913+/-316.476 χ^2/NDF: 111.1/80

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2004.406+/-0.328 χ^2/NDF:703997.7/23

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2022.686+/-0.340 χ^2/NDF:553126.8/21

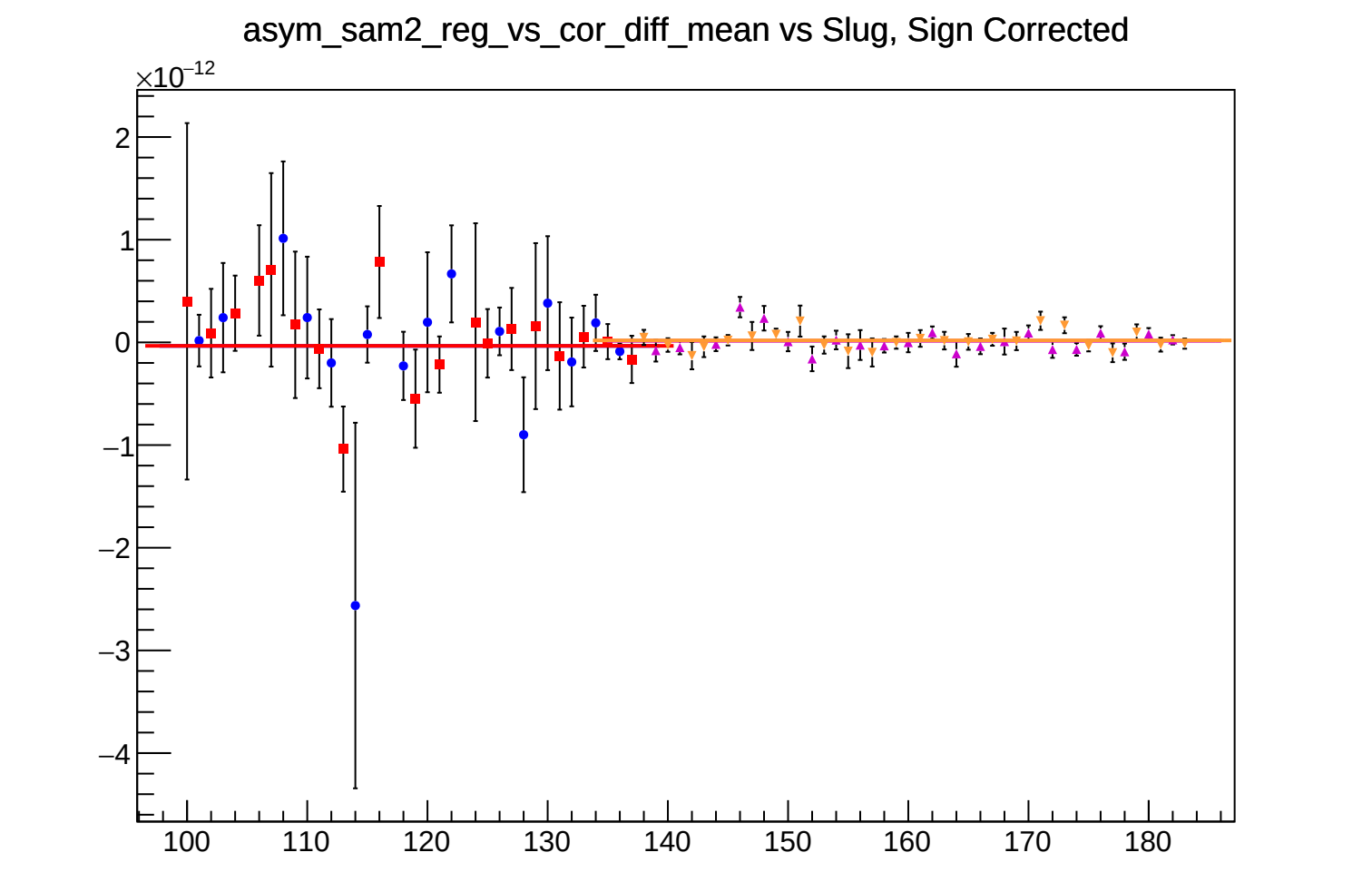
Left: 2013.219+/-0.236 χ^2/NDF: 1258621.0/45

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2184.667+/-0.321 χ^2/NDF:3891570.0/37

Out: 2172.021+/-0.312 χ^2/NDF:4660210.5/42

All: 2178.181+/-0.224 χ^2/NDF: 8552578.3/80



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:30.6/21

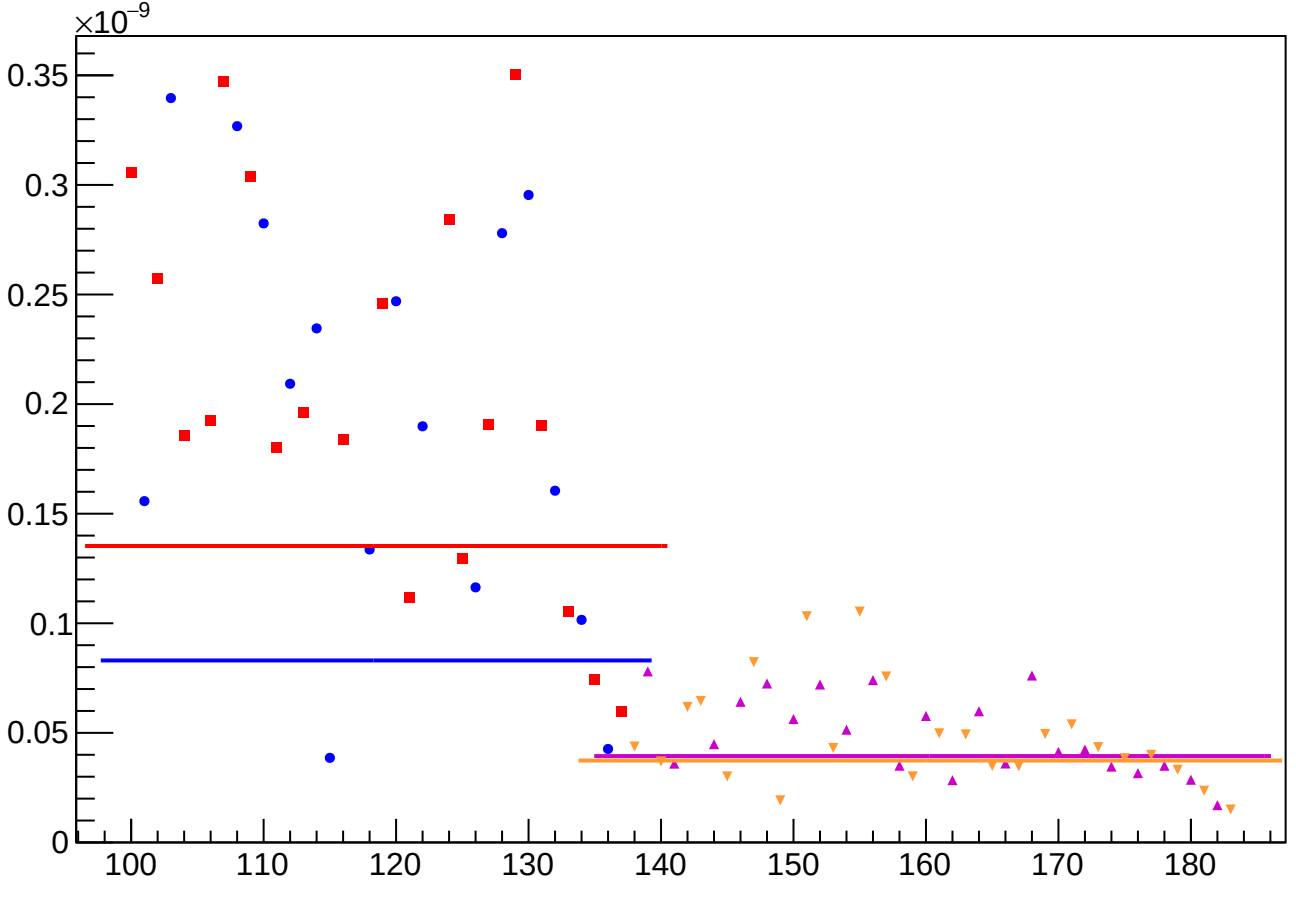
Left: 0.000+/-0.000 χ^2/NDF: 50.1/45

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:43.2/37

Out: 0.000+/-0.000 χ^2/NDF:33.3/42

All: 0.000+/-0.000 χ^2/NDF: 76.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2318725.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1896989.0/21

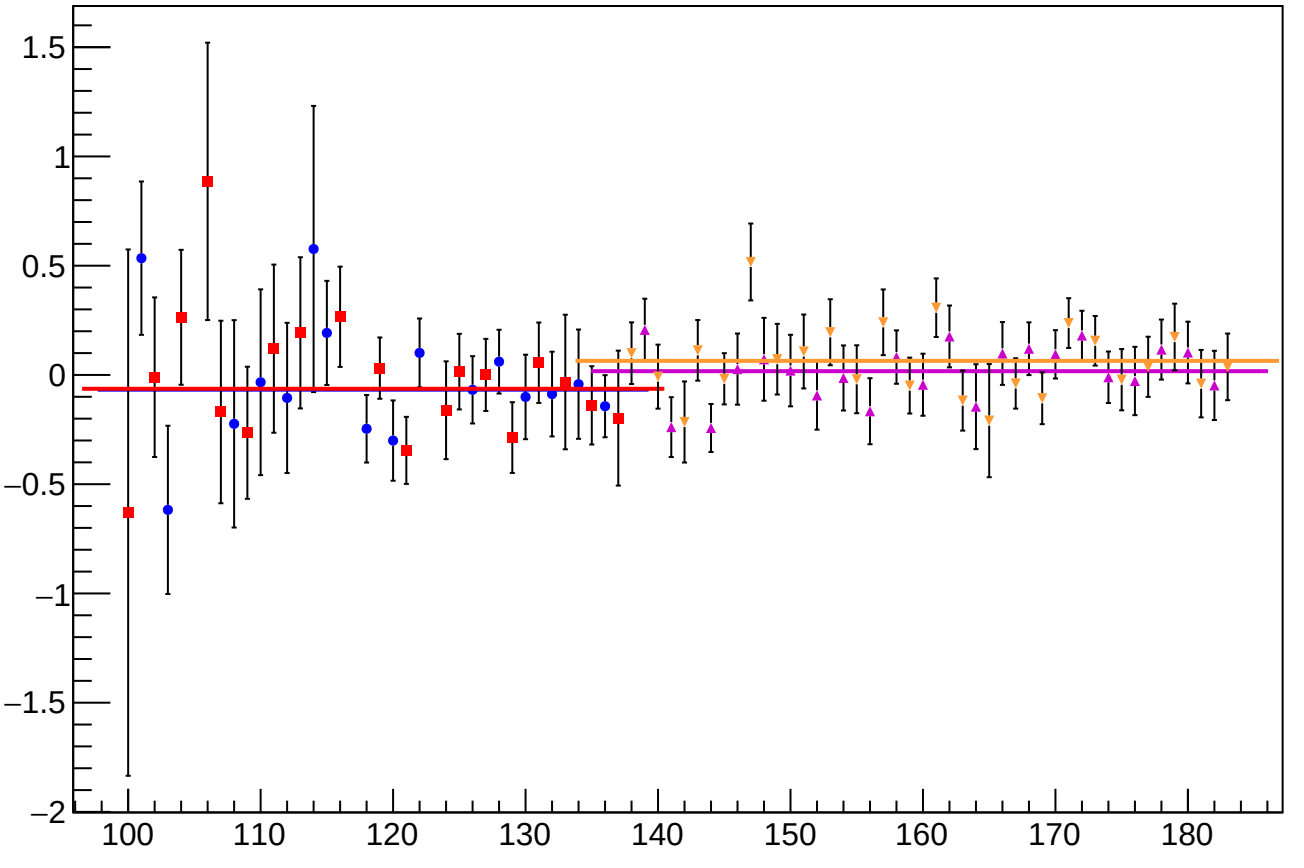
Left: 0.000+/-0.000 χ^2/NDF: 4232298.2/45

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:6298635.5/42

All: 0.000+/-0.000 χ^2/NDF: 11878868.9/80



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.029 χ^2/NDF:26.5/23

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.017+/-0.030 χ^2/NDF:20.2/21

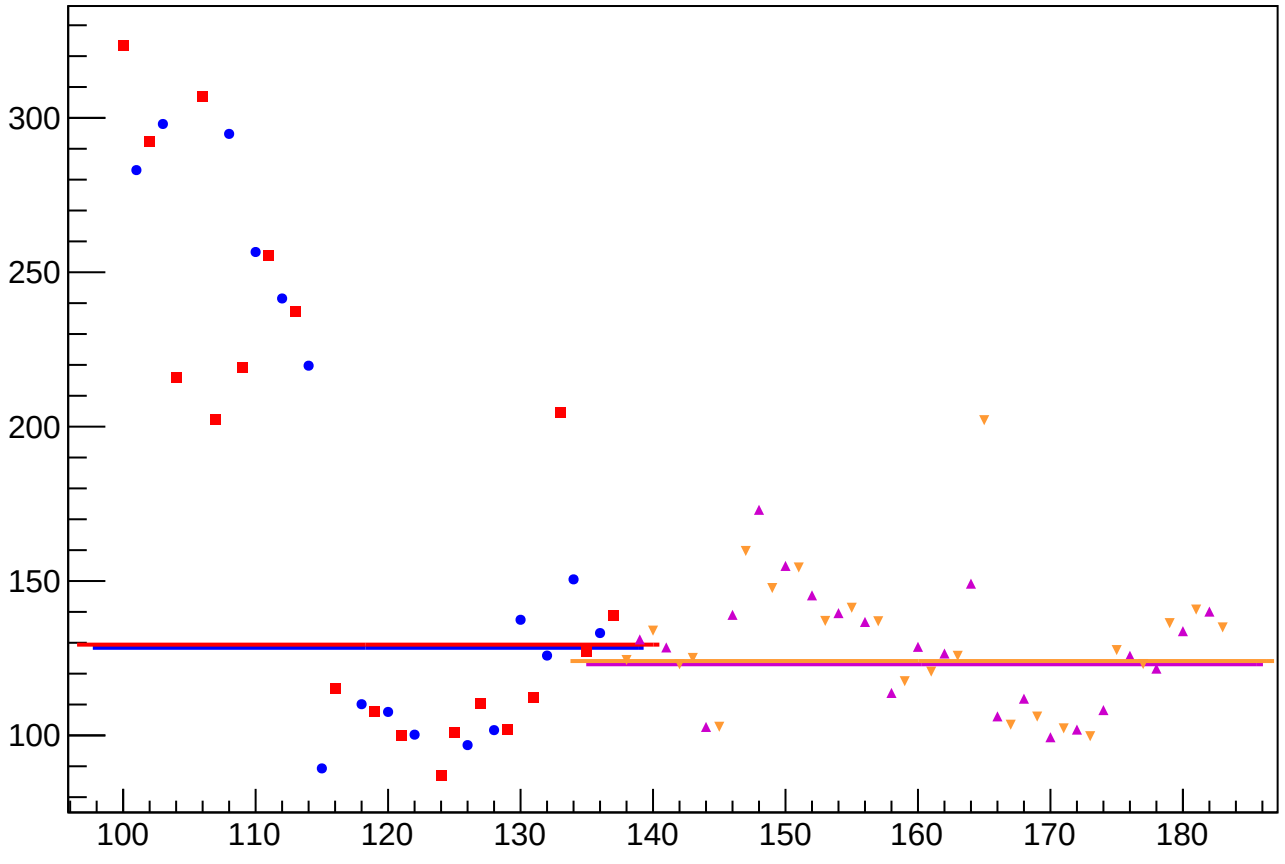
Left: 0.041+/-0.021 χ^2/NDF: 48.0/45

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+/-0.025 χ^2/NDF:45.2/42

All: 0.016+/-0.018 χ^2/NDF: 81.0/80



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.080+/-0.020 χ^2/NDF:830288.0/23

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 123.039+/-0.021 χ^2/NDF:718746.3/21

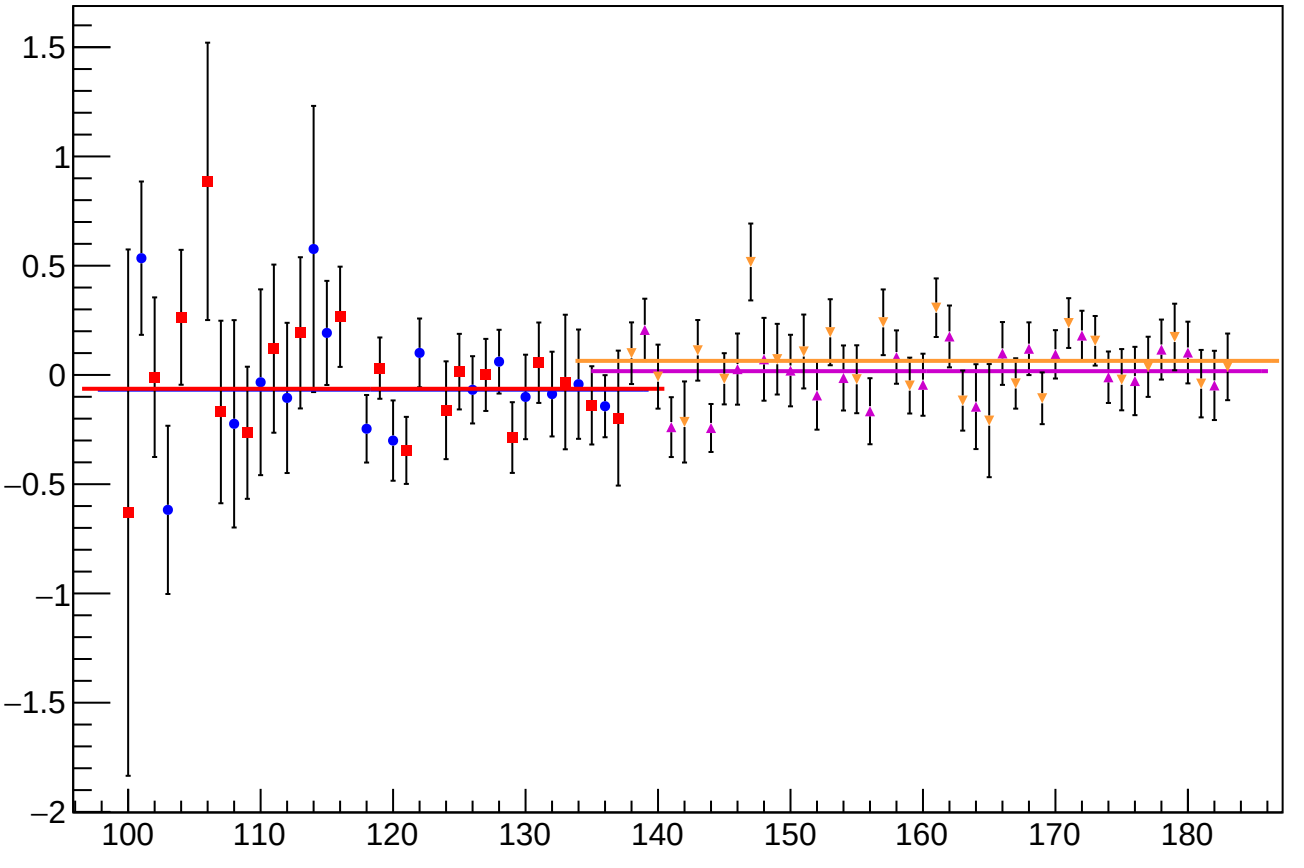
Left: 123.572+/-0.015 χ^2/NDF: 1550304.9/45

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 124.353+/-0.018 χ^2/NDF:2539874.9/37

Out: 125.344+/-0.018 χ^2/NDF:2734748.2/42

All: 124.858+/-0.013 χ^2/NDF: 5276143.4/80



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.029 χ^2/NDF:26.5/23

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.017+/-0.030 χ^2/NDF:20.2/21

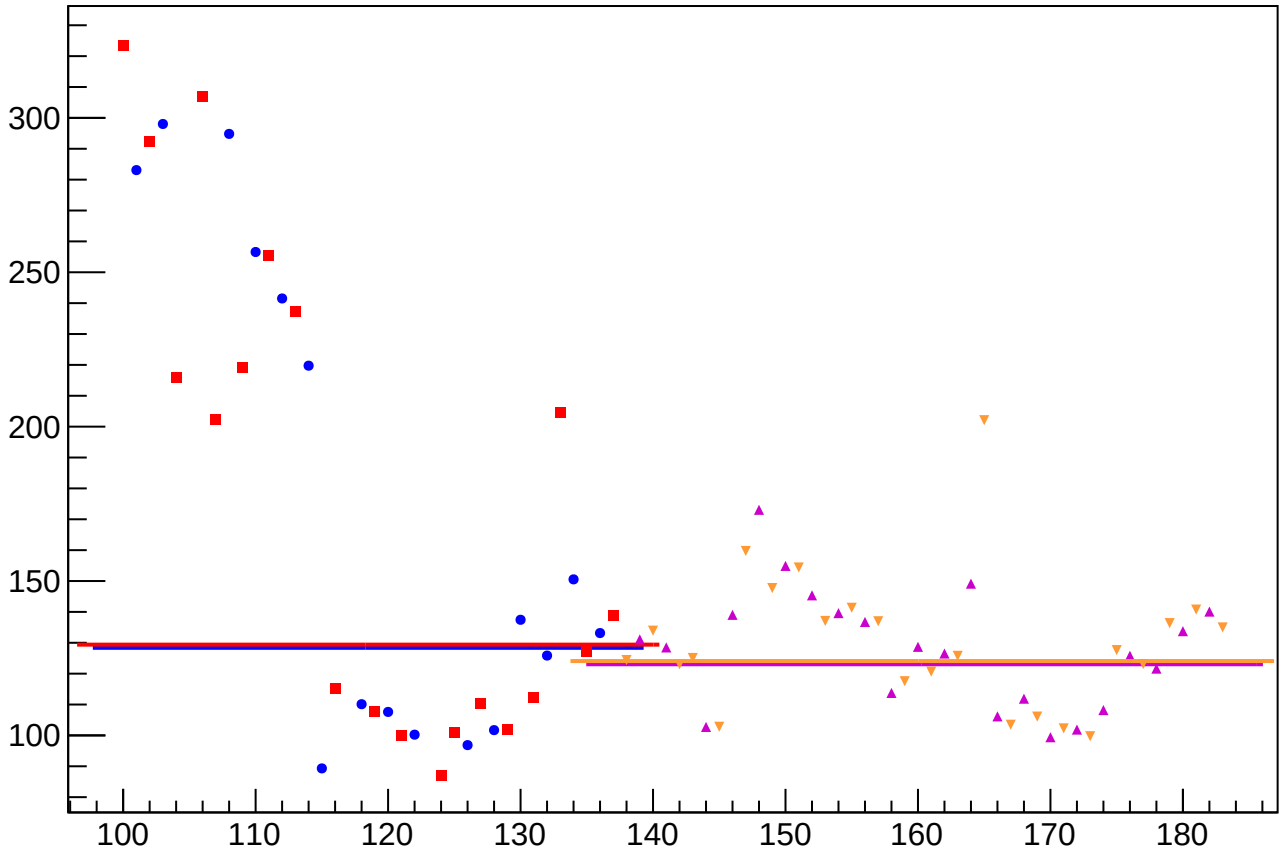
Left: 0.041+/-0.021 χ^2/NDF: 48.0/45

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+/-0.025 χ^2/NDF:45.2/42

All: 0.016+/-0.018 χ^2/NDF: 81.0/80



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.080+/-0.020 χ^2/NDF:830288.0/23

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 123.039+/-0.021 χ^2/NDF:718746.3/21

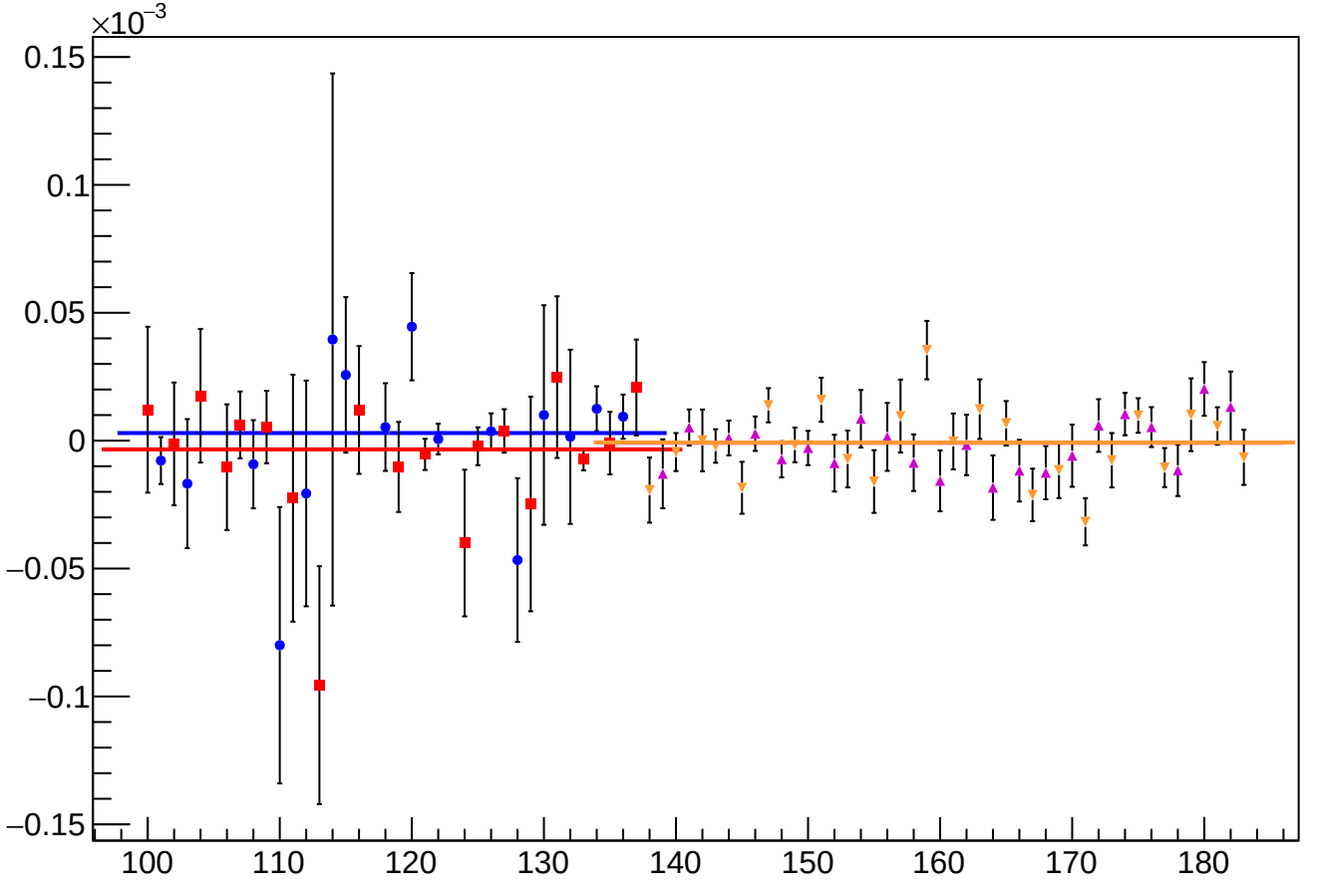
Left: 123.572+/-0.015 χ^2/NDF: 1550304.9/45

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 124.353+/-0.018 χ^2/NDF:2539874.9/37

Out: 125.344+/-0.018 χ^2/NDF:2734748.2/42

All: 124.858+/-0.013 χ^2/NDF: 5276143.4/80



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.8/23

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

Left In: -0.000+/-0.000 χ^2/NDF:19.4/21

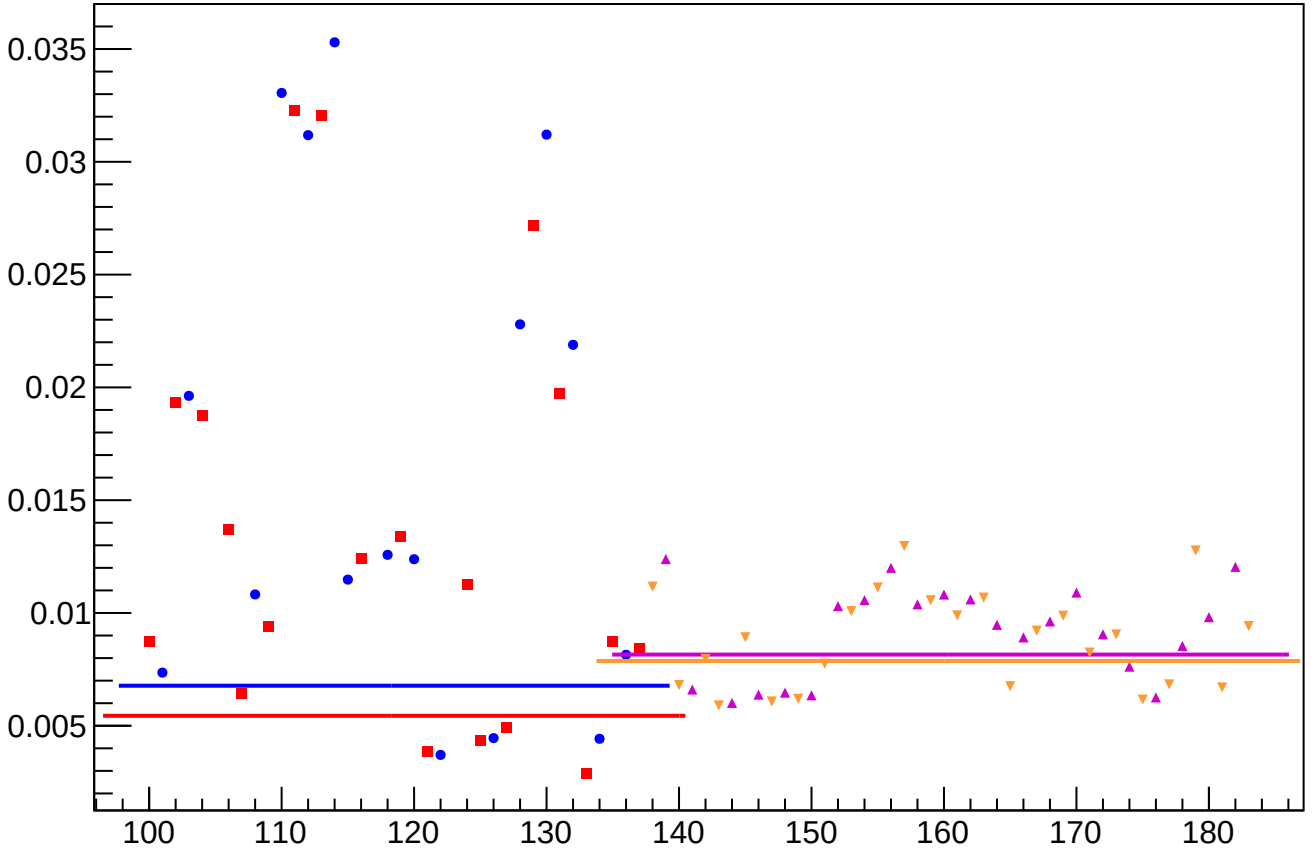
Left: -0.000+/-0.000 χ^2/NDF: 70.2/45

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:64.1/42

All: -0.000+/-0.000 χ^2/NDF: 99.4/80



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:2073643.0/23

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:2017675.5/21

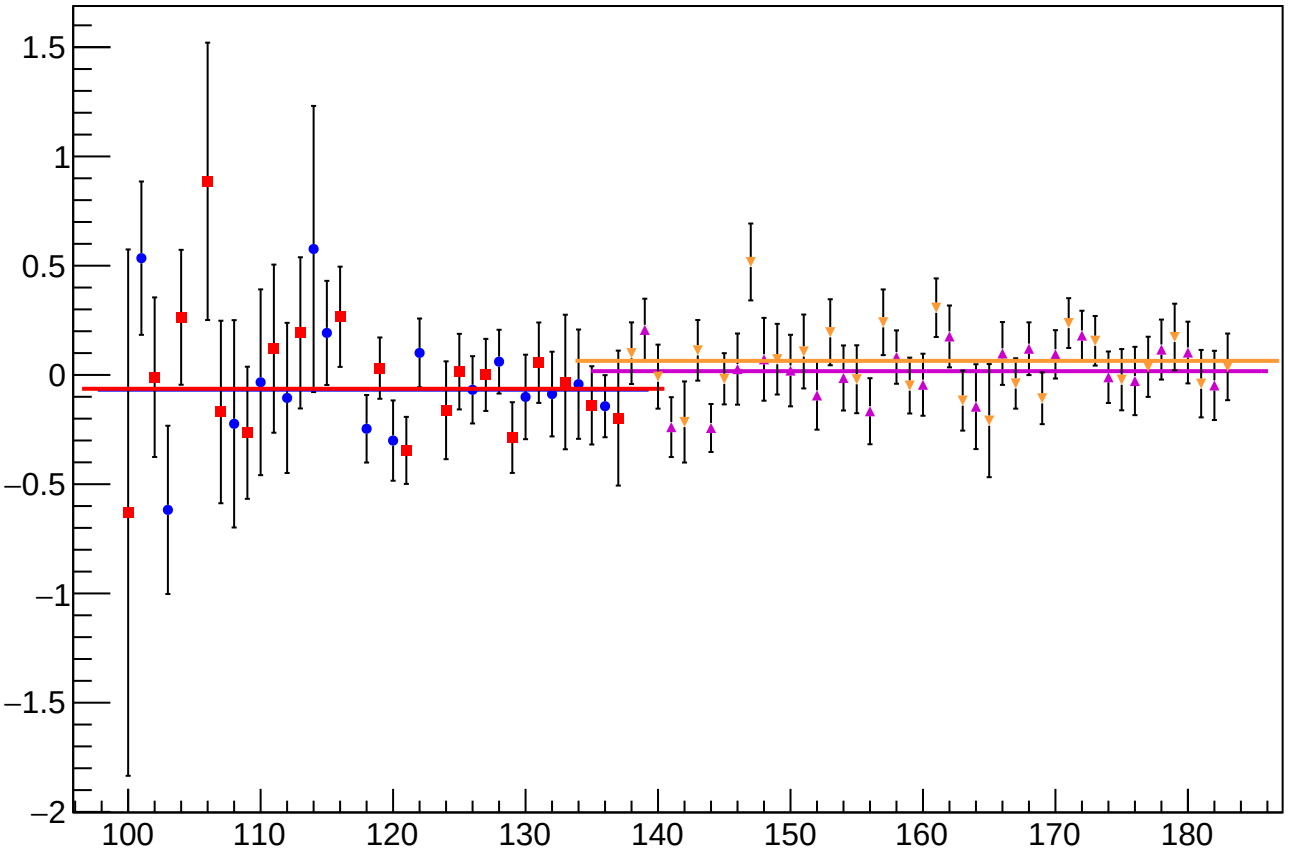
Left: 0.008+/-0.000 χ^2/NDF: 4112800.7/45

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:8802195.3/42

All: 0.007+/-0.000 χ^2/NDF: 16063822.1/80



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.029 χ^2/NDF:26.5/23

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.017+/-0.030 χ^2/NDF:20.2/21

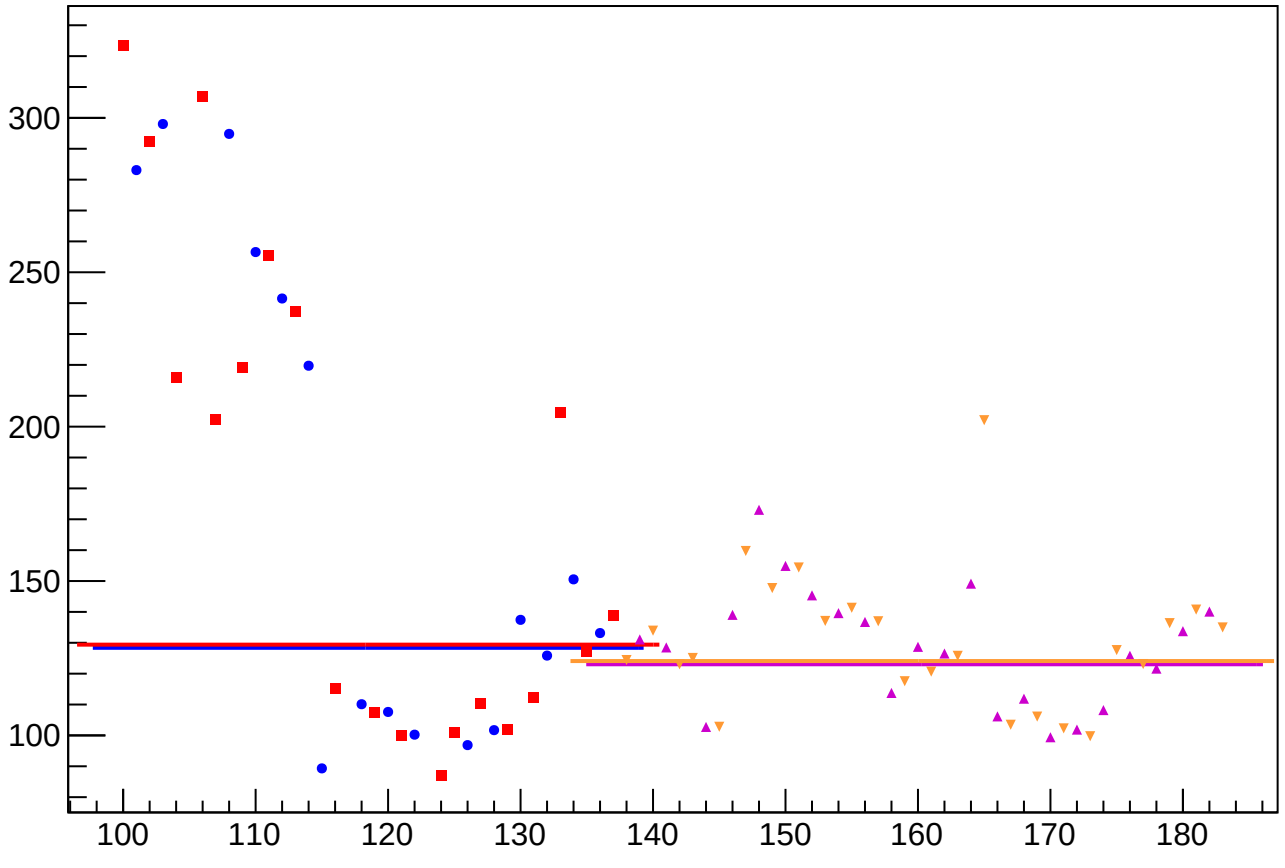
Left: 0.041+/-0.021 χ^2/NDF: 48.0/45

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+/-0.025 χ^2/NDF:45.2/42

All: 0.016+/-0.018 χ^2/NDF: 81.0/80



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.080+/-0.020 χ^2/NDF:830337.8/23

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 123.039+/-0.021 χ^2/NDF:718769.6/21

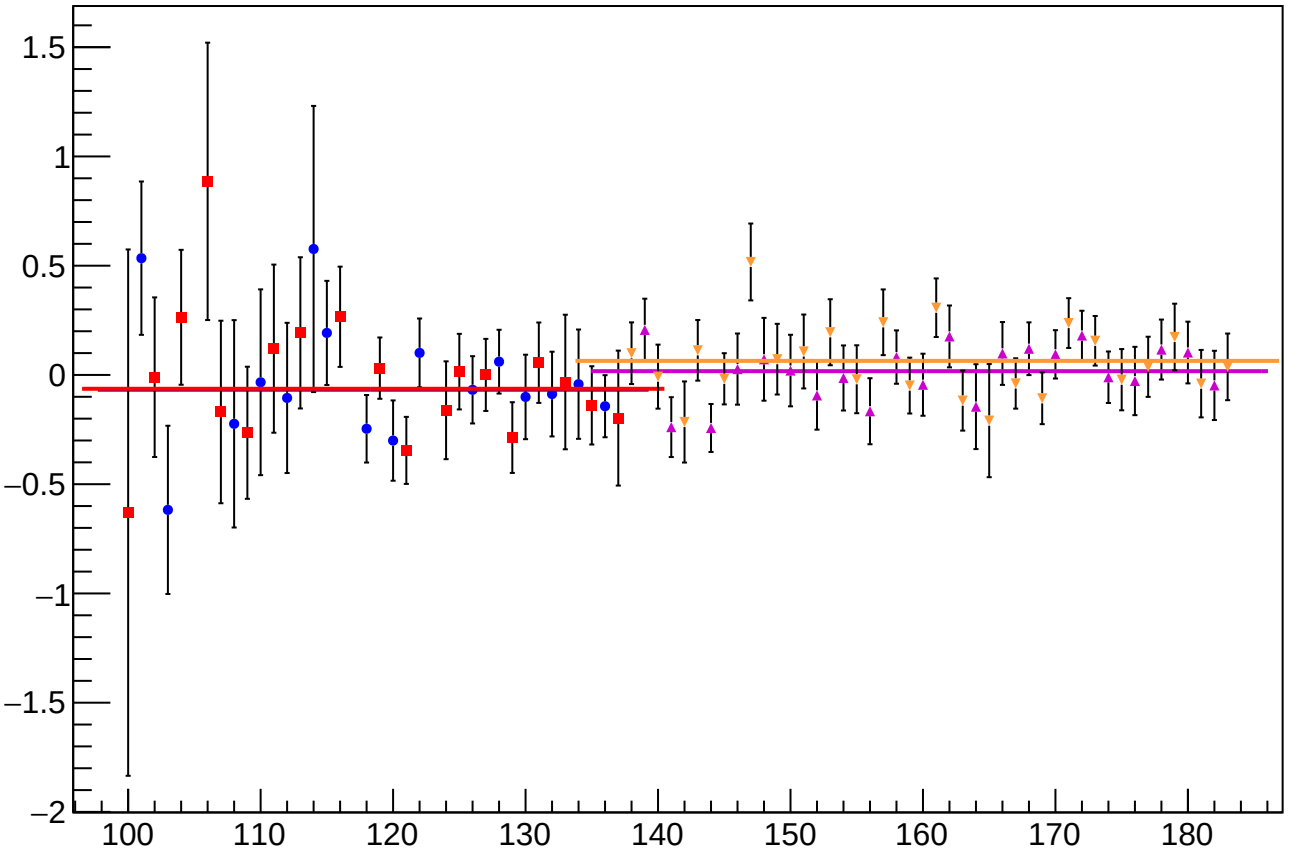
Left: 123.572+/-0.015 χ^2/NDF: 1550378.1/45

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 124.352+/-0.018 χ^2/NDF:2539830.3/37

Out: 125.344+/-0.018 χ^2/NDF:2734781.5/42

All: 124.858+/-0.013 χ^2/NDF: 5276132.2/80



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.029 χ^2/NDF:26.5/23

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: 0.041+/-0.021 χ^2/NDF: 48.0/45

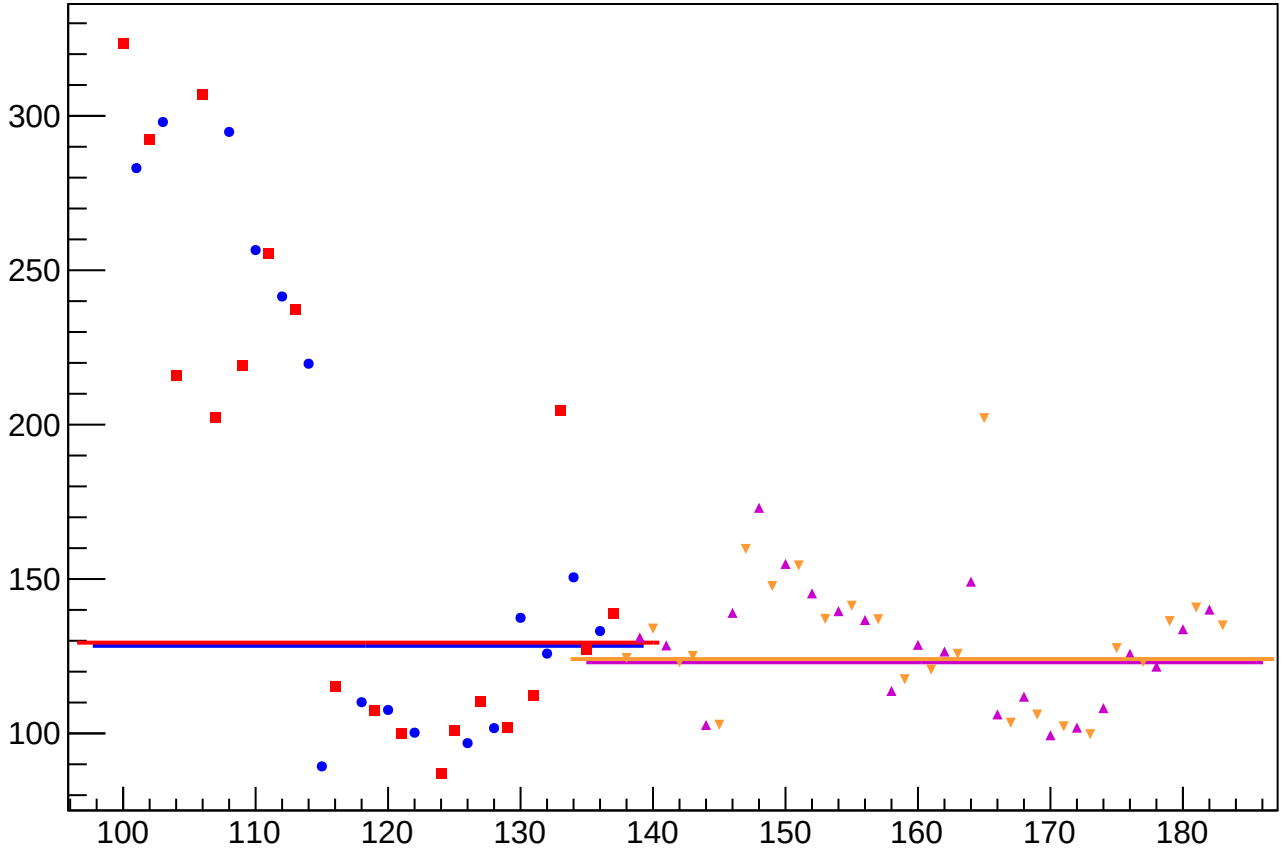
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.004+/-0.026 χ^2/NDF:34.6/37

Out: 0.034+/-0.025 χ^2/NDF:45.2/42

All: 0.016+/-0.018 χ^2/NDF: 81.0/80

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: 124.080+/-0.020 χ^2/NDF:830337.8/23

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 123.039+/-0.021 χ^2/NDF:718769.6/21

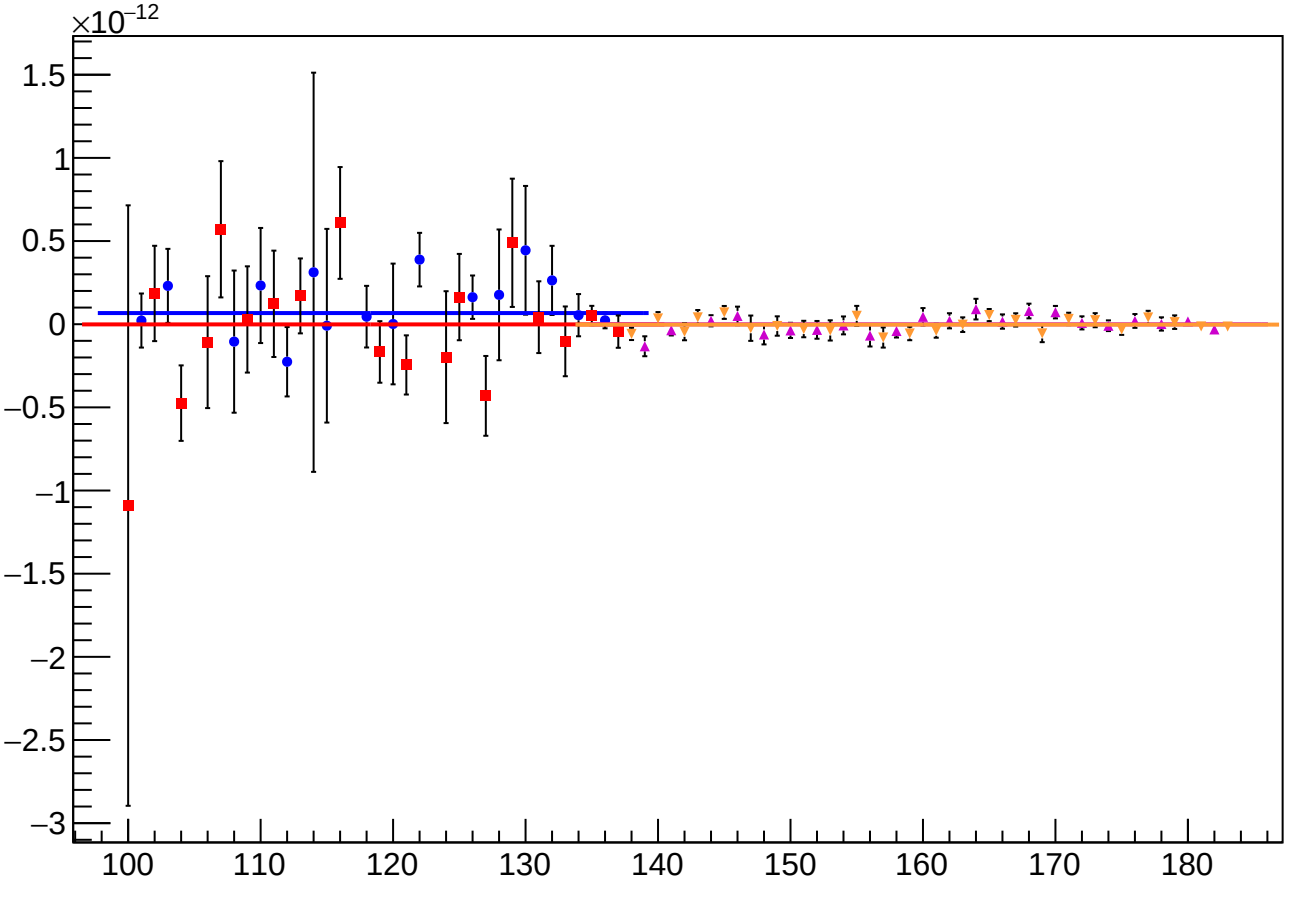
Left: 123.572+/-0.015 χ^2/NDF: 1550378.1/45

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 124.352+/-0.018 χ^2/NDF:2539830.3/37

Out: 125.344+/-0.018 χ^2/NDF:2734781.5/42

All: 124.858+/-0.013 χ^2/NDF: 5276132.2/80



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:24.5/21

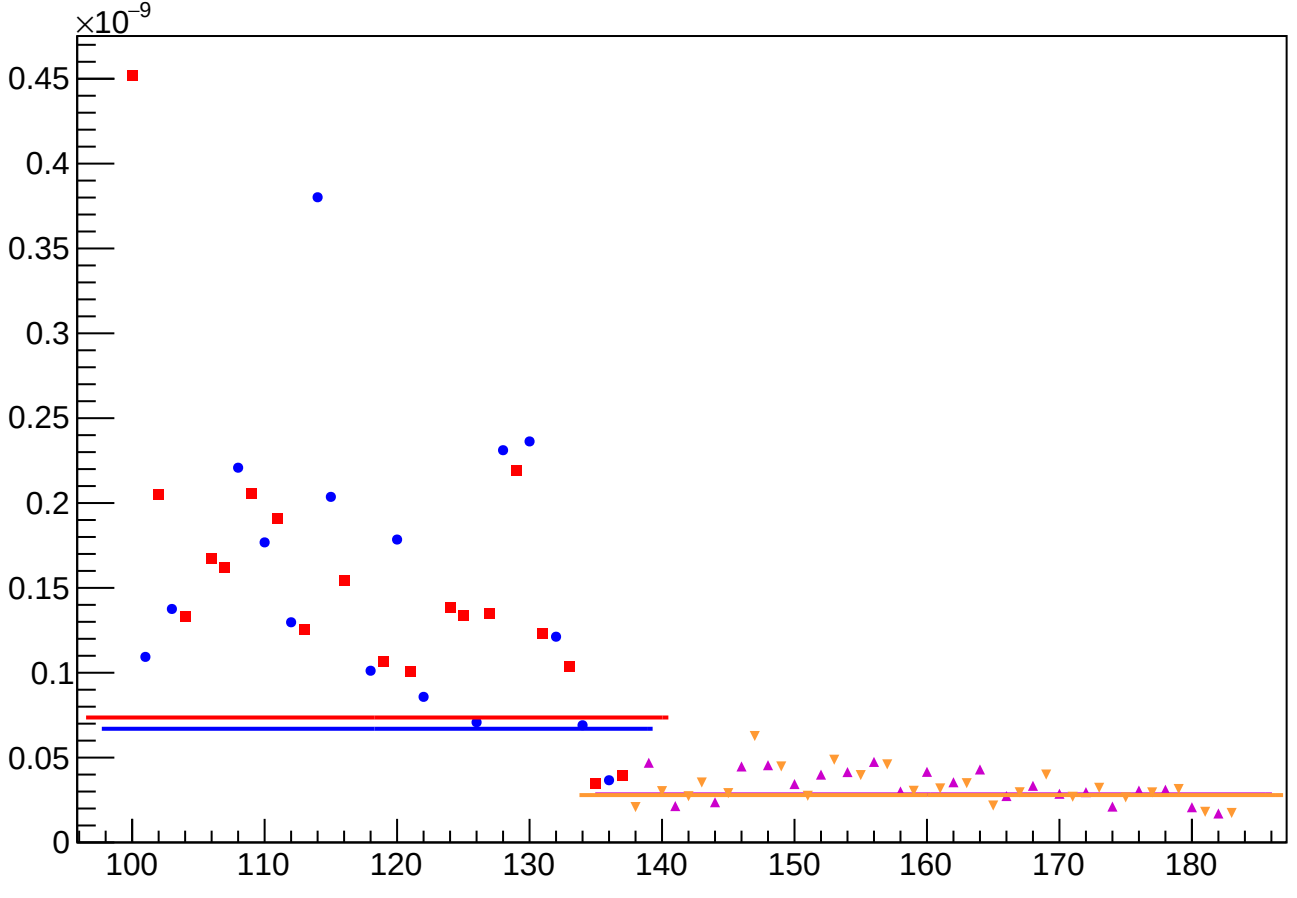
Left: -0.000+/-0.000 χ^2/NDF: 46.4/45

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:42.5/42

All: 0.000+/-0.000 χ^2/NDF: 80.9/80



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2254223.7/23

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: 4436450.6/45

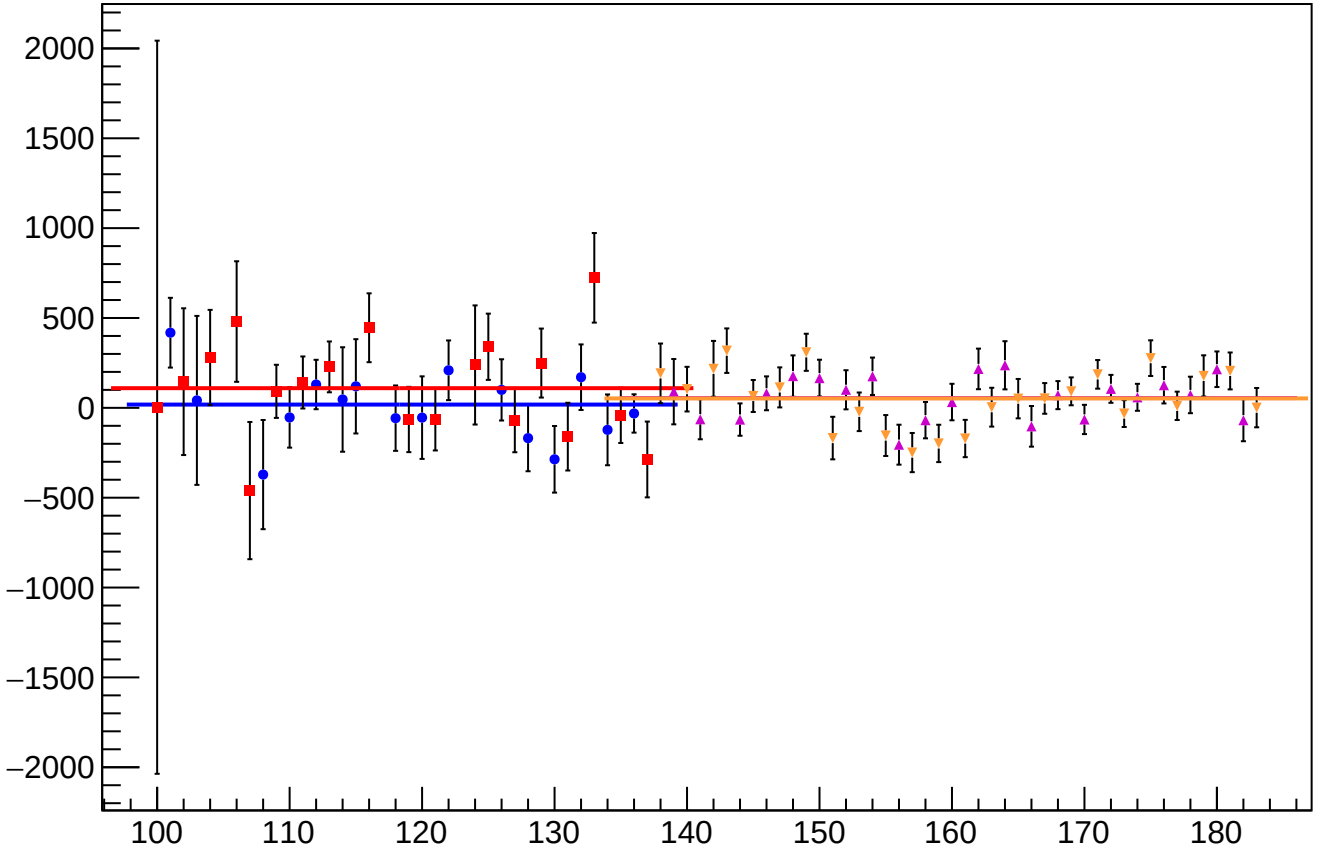
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:7532051.3/37

Out: 0.000+/-0.000 χ^2/NDF:8492746.3/42

All: 0.000+/-0.000 χ^2/NDF: 16029925.4/80

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 52.492+/-20.681 χ^2/NDF:52.0/23

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: 53.433+/-14.830 χ^2/NDF: 78.5/45

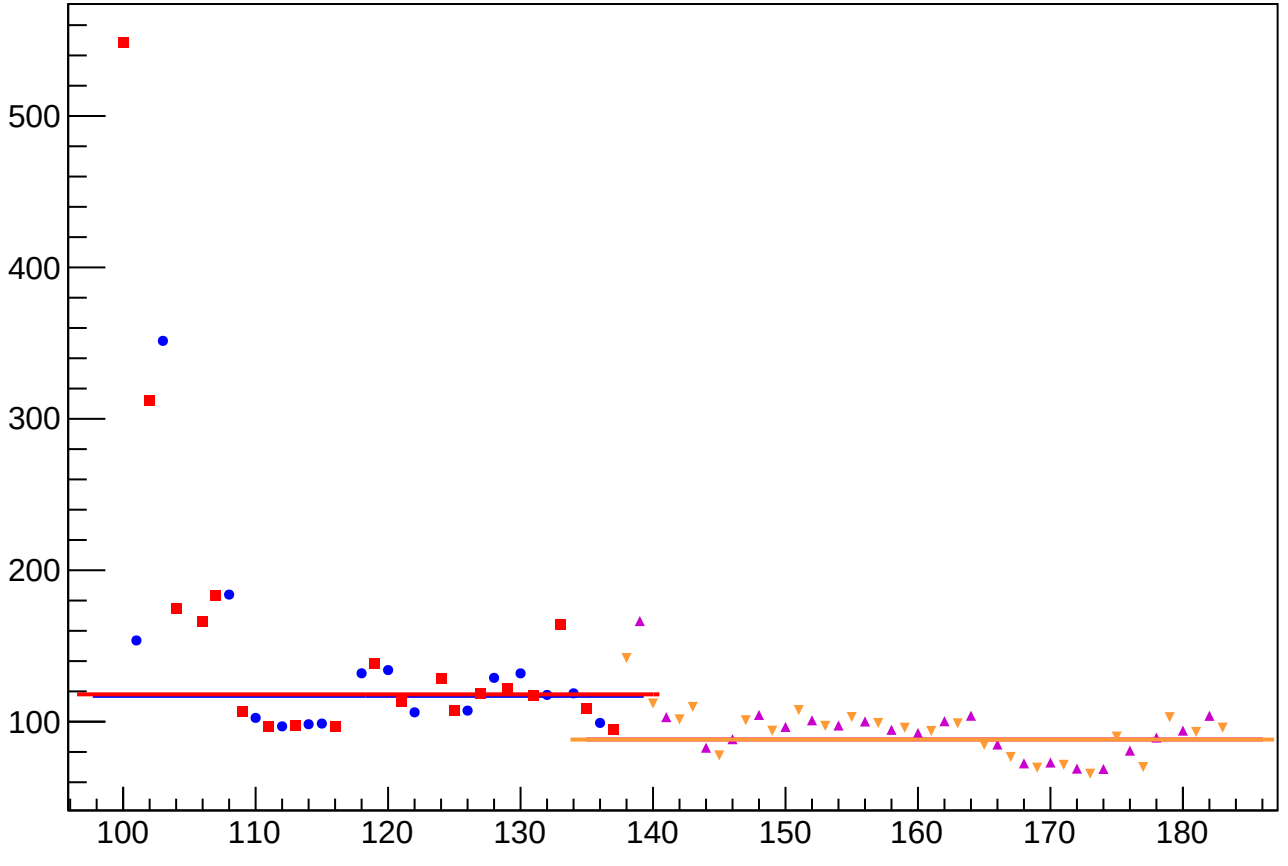
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 47.977+/-19.290 χ^2/NDF:40.9/37

Out: 62.127+/-18.850 χ^2/NDF:78.7/42

All: 55.215+/-13.482 χ^2/NDF: 119.9/80

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 88.206+/-0.015 χ^2/NDF:1156290.4/23

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 88.261+/-0.015 χ^2/NDF:1056736.6/21

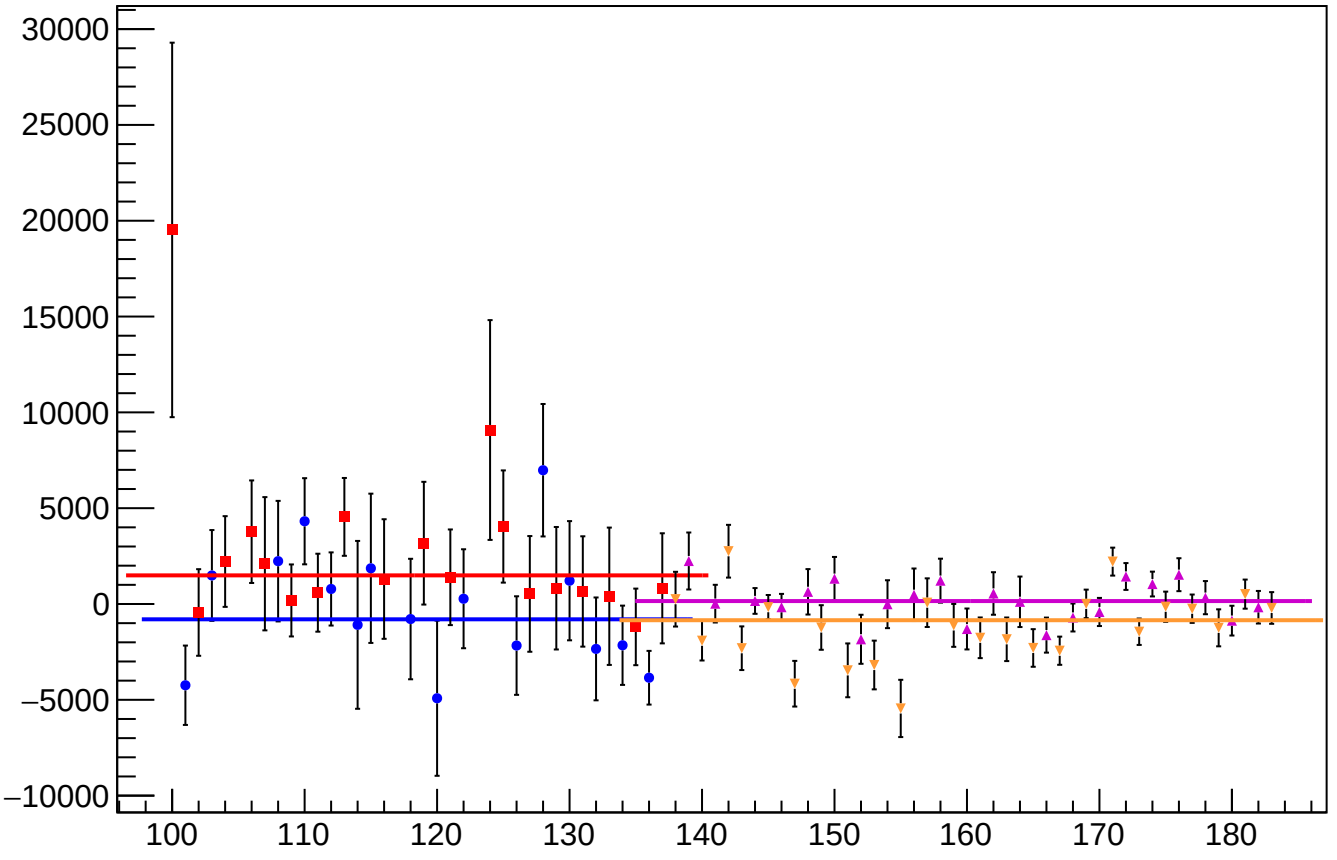
Left: 88.233+/-0.010 χ^2/NDF: 2213034.0/45

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 93.392+/-0.014 χ^2/NDF:2567891.0/37

Out: 93.257+/-0.013 χ^2/NDF:2852163.7/42

All: 93.323+/-0.010 χ^2/NDF: 5420104.6/80



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -846.439+/-190.020 χ^2/NDF:69.5/23

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 153.168+/-191.819 χ^2/NDF:24.3/21

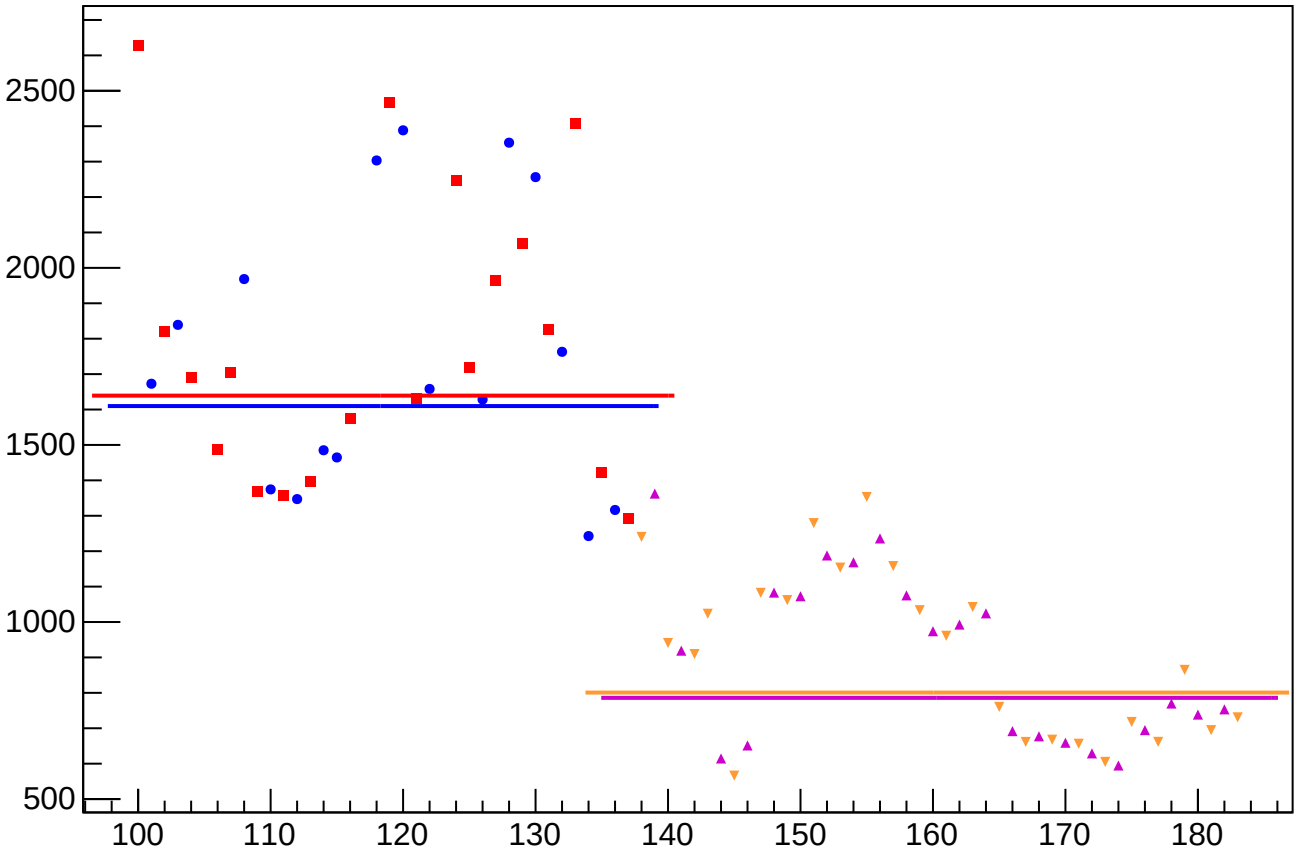
Left: -351.344+/-134.996 χ^2/NDF: 107.5/45

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: 68.991+/-183.145 χ^2/NDF:49.9/37

Out: -641.330+/-181.503 χ^2/NDF:95.7/42

All: -289.369+/-128.918 χ^2/NDF: 153.2/80



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 800.807+/-0.134 χ^2/NDF:2374984.9/23

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: 793.391+/-0.095 χ^2/NDF: 4536869.7/45

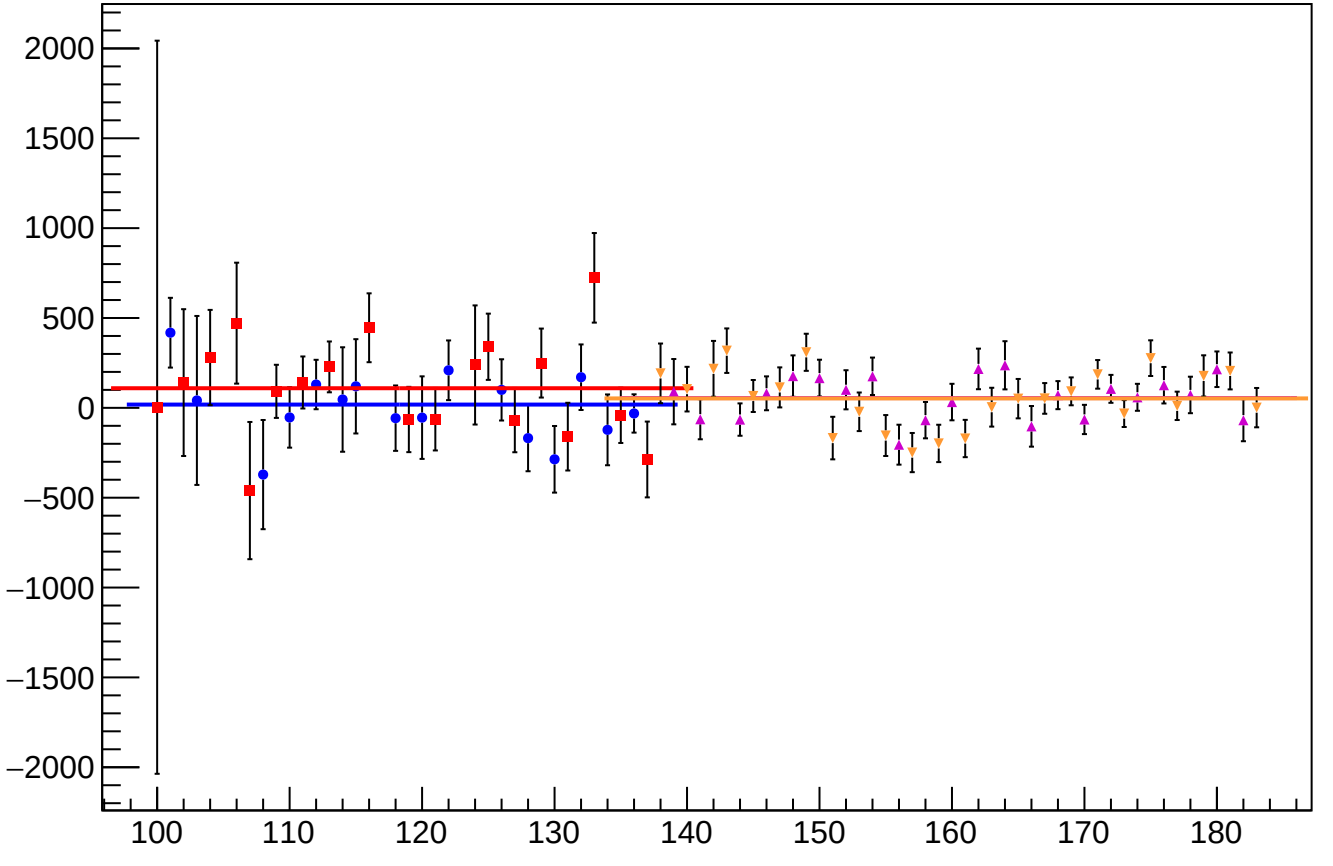
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 858.665+/-0.130 χ^2/NDF:6036701.4/37

Out: 874.288+/-0.128 χ^2/NDF:6307686.4/42

All: 866.547+/-0.091 χ^2/NDF: 12351730.2/80

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 52.497+/-20.681 χ^2/NDF:52.0/23

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: 53.438+/-14.830 χ^2/NDF: 78.5/45

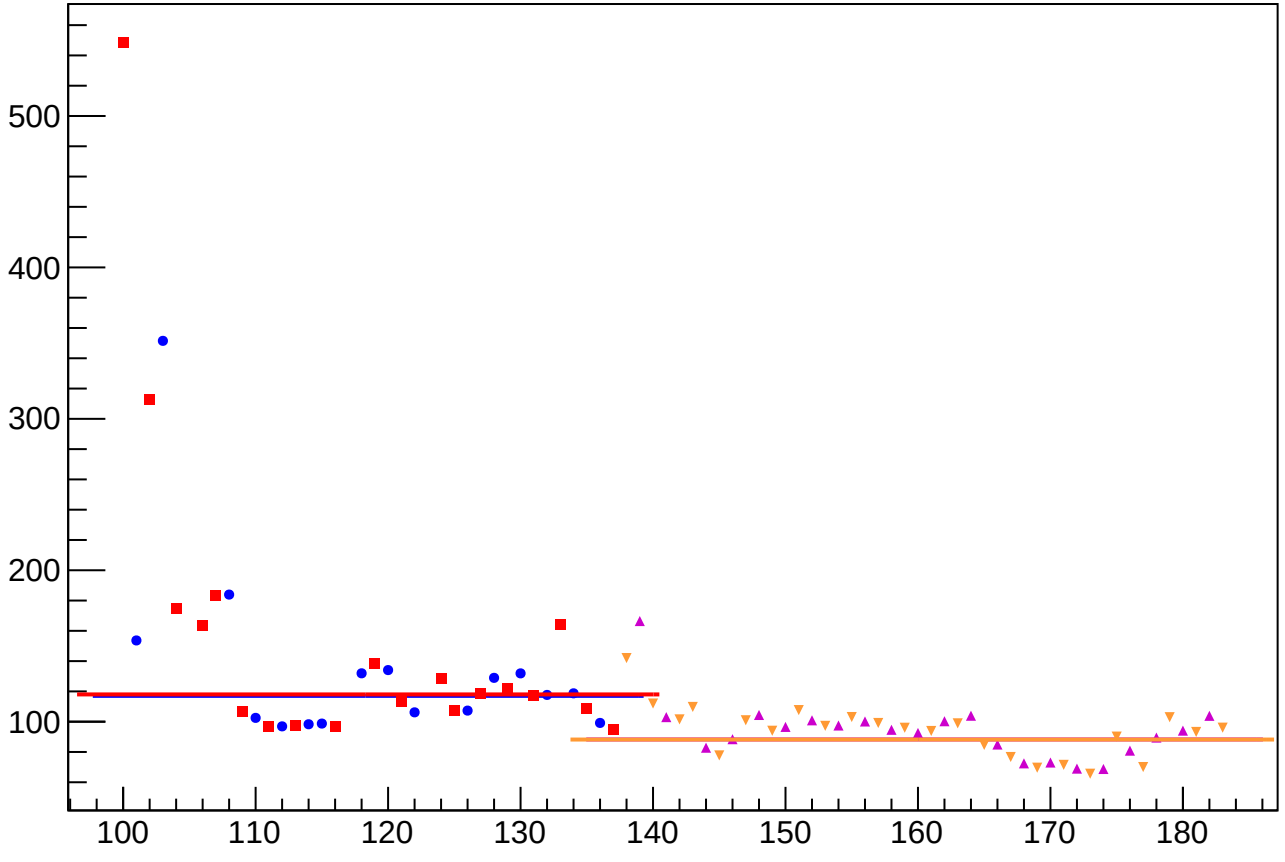
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 47.978+/-19.290 χ^2/NDF:40.9/37

Out: 62.082+/-18.850 χ^2/NDF:78.6/42

All: 55.193+/-13.482 χ^2/NDF: 119.8/80

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.206+/-0.015 χ^2/NDF:1156290.4/23

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 88.261+/-0.015 χ^2/NDF:1056736.6/21

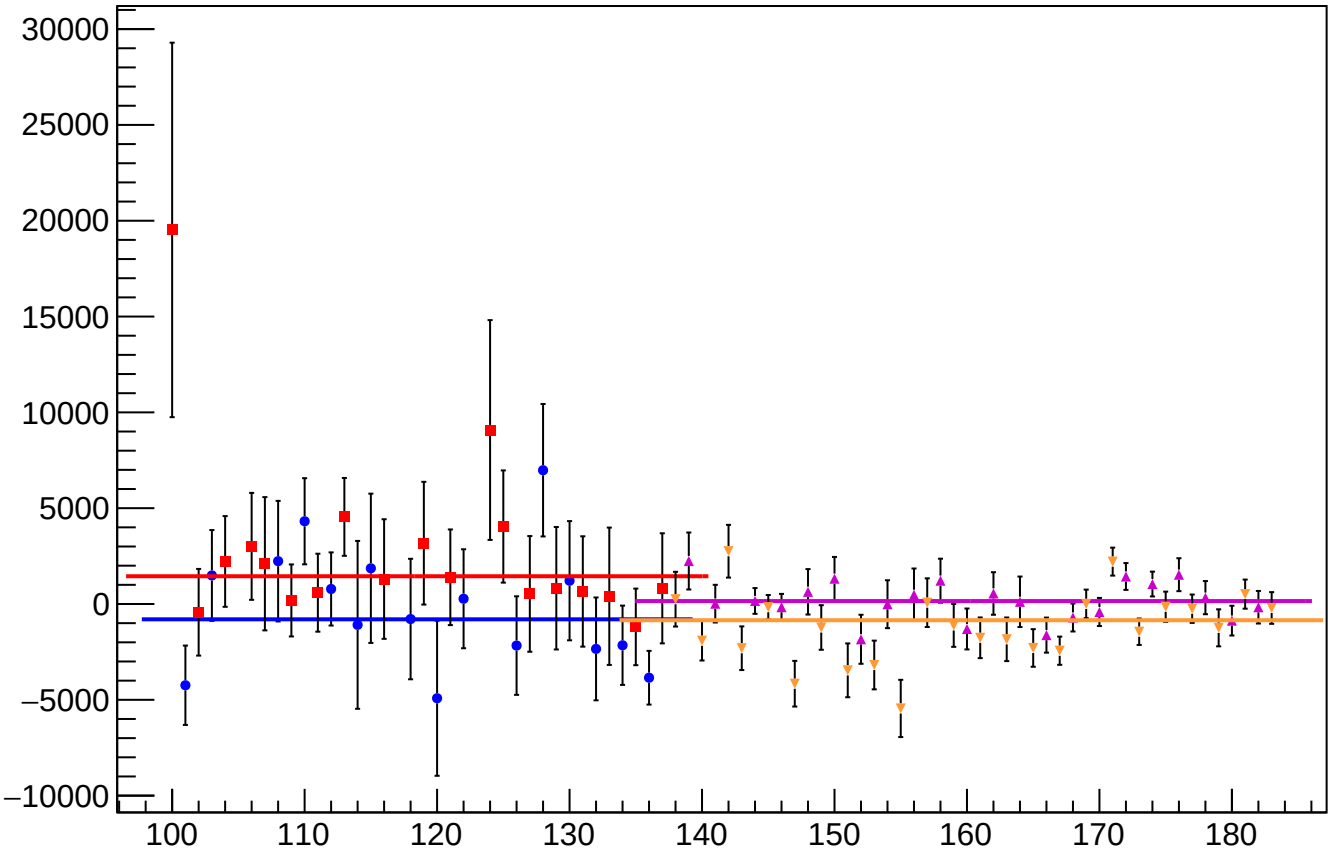
Left: 88.233+/-0.010 χ^2/NDF: 2213034.0/45

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.392+/-0.014 χ^2/NDF:2567892.6/37

Out: 93.248+/-0.013 χ^2/NDF:2845448.5/42

All: 93.318+/-0.010 χ^2/NDF: 5413398.1/80



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -846.433+/-190.020 χ^2/NDF:69.5/23

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 153.171+/-191.819 χ^2/NDF:24.3/21

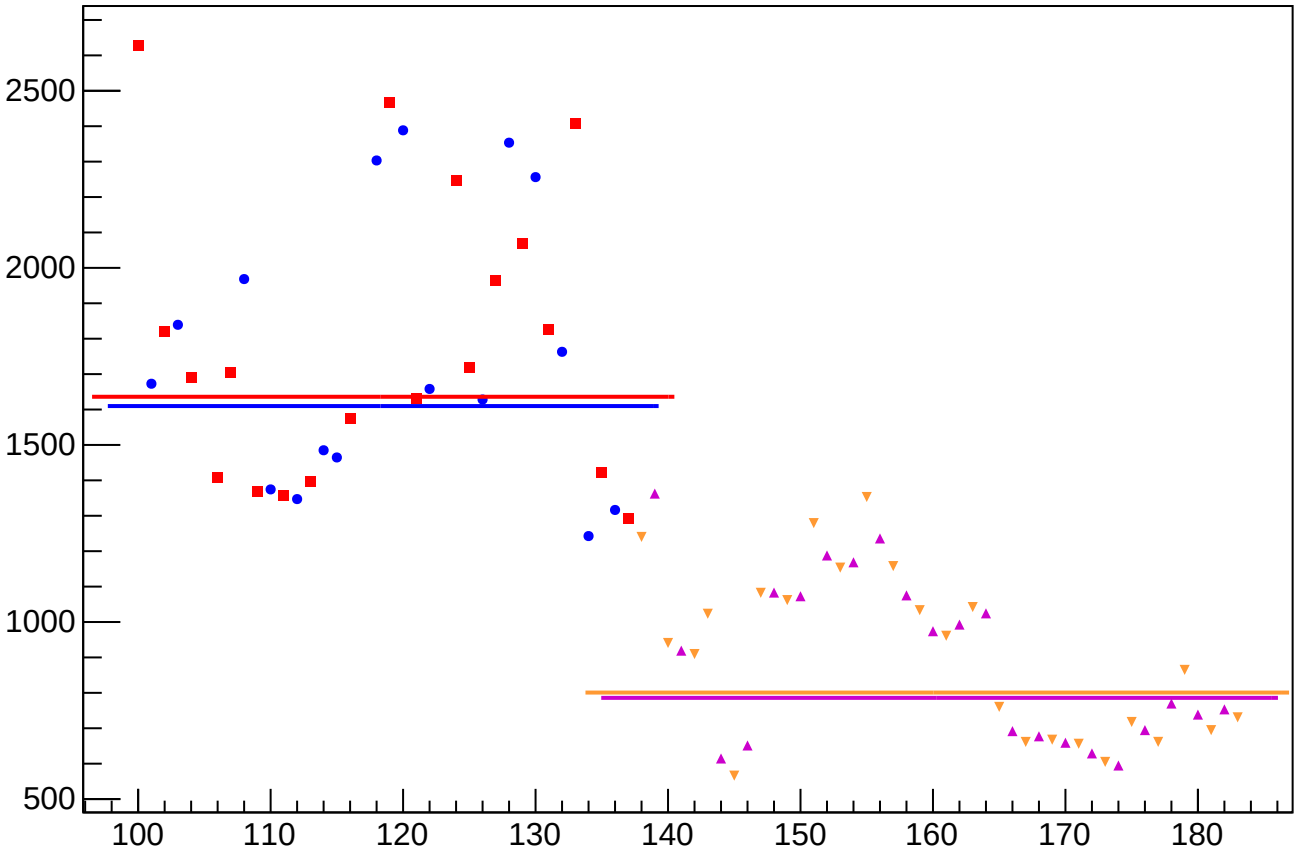
Left: -351.340+/-134.996 χ^2/NDF: 107.5/45

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 68.997+/-183.145 χ^2/NDF:49.9/37

Out: -646.112+/-181.537 χ^2/NDF:94.7/42

All: -291.711+/-128.931 χ^2/NDF: 152.3/80



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 800.807+/-0.134 χ^2/NDF:2374985.7/23

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: 793.391+/-0.095 χ^2/NDF: 4536868.5/45

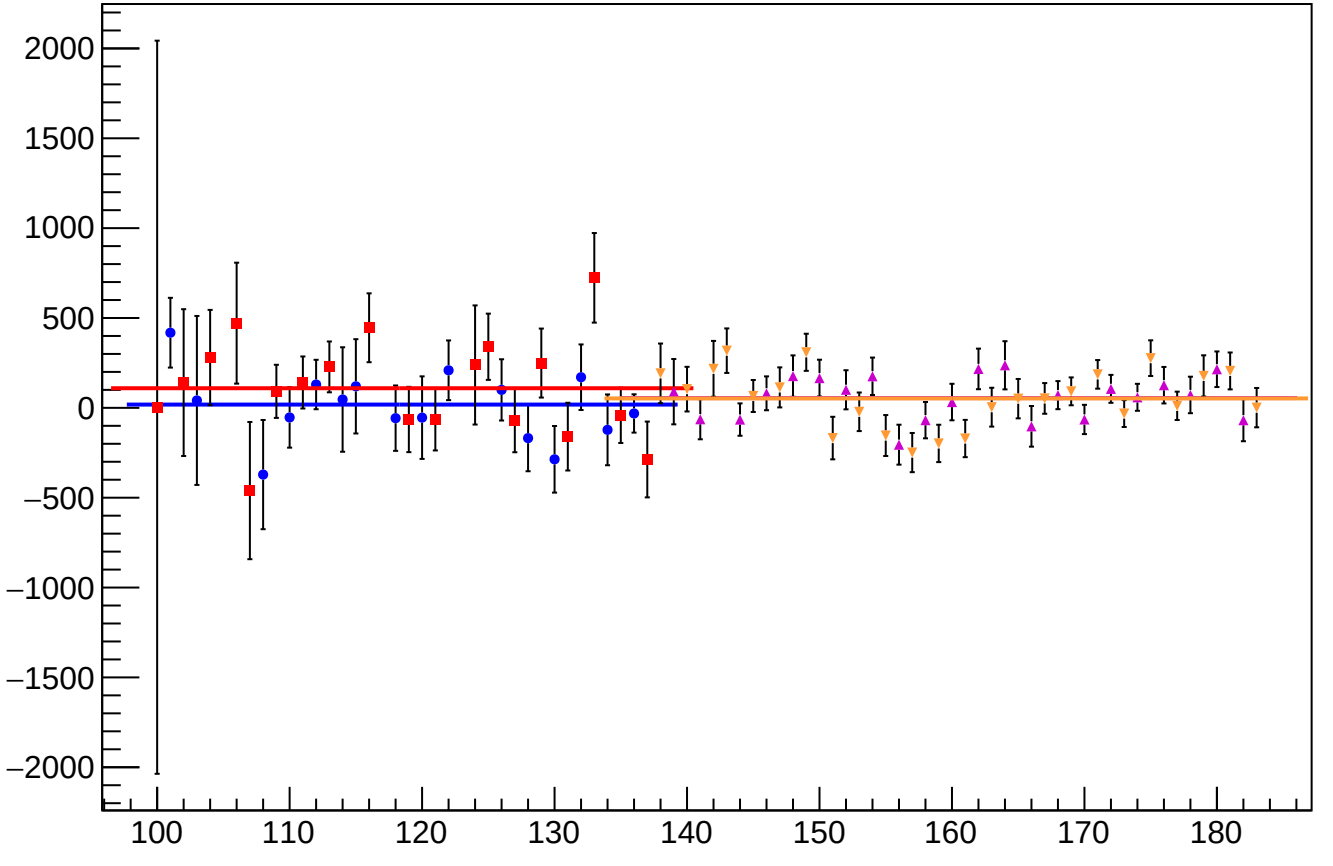
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 858.665+/-0.130 χ^2/NDF:6036757.9/37

Out: 873.716+/-0.128 χ^2/NDF:6275830.7/42

All: 866.257+/-0.091 χ^2/NDF: 12319401.2/80

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 52.497+/-20.681 χ^2/NDF:52.0/23

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 54.434+/-21.278 χ^2/NDF:26.5/21

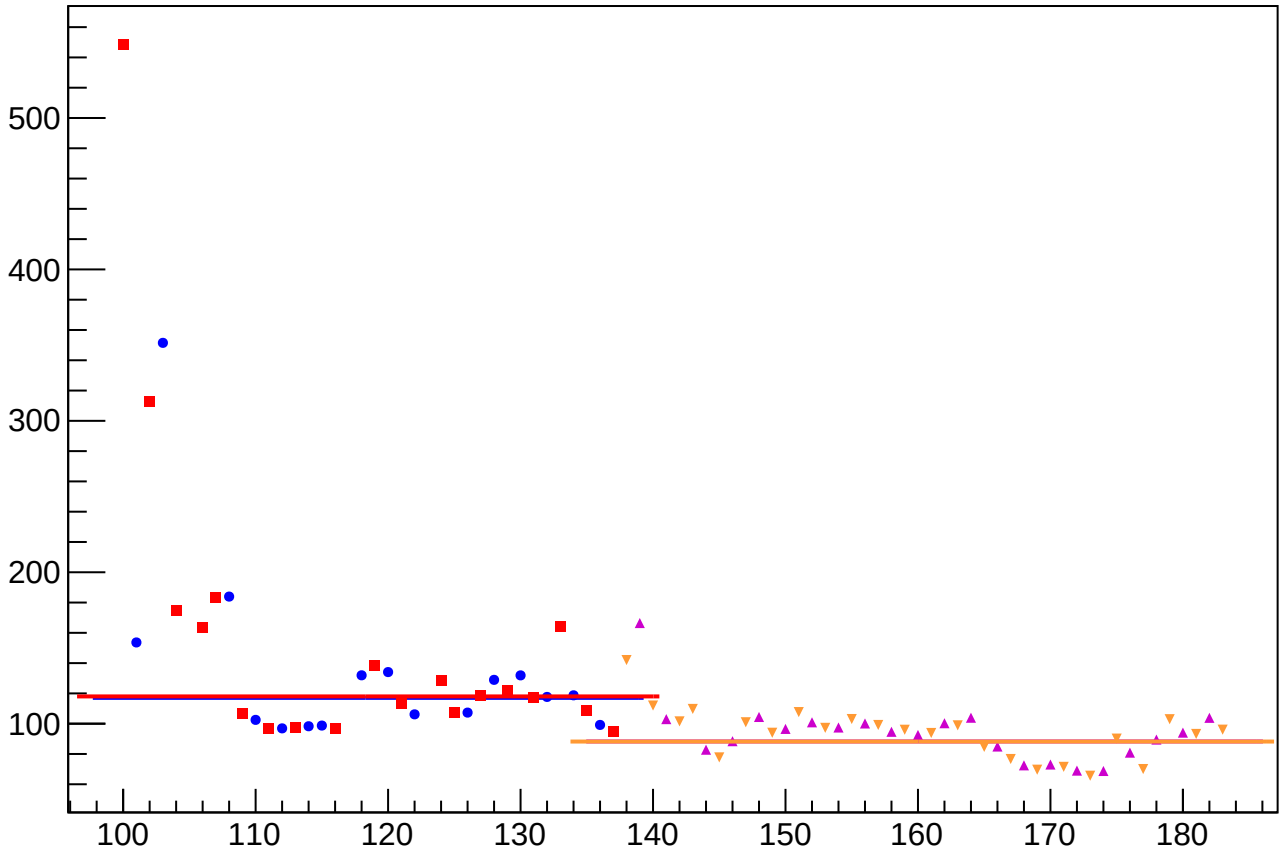
Left: 53.438+/-14.830 χ^2/NDF: 78.5/45

Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 47.978+/-19.290 χ^2/NDF:40.9/37

Out: 62.082+/-18.850 χ^2/NDF:78.6/42

All: 55.193+/-13.482 χ^2/NDF: 119.8/80



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.206+/-0.015 χ^2/NDF:1156290.4/23

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 88.261+/-0.015 χ^2/NDF:1056736.6/21

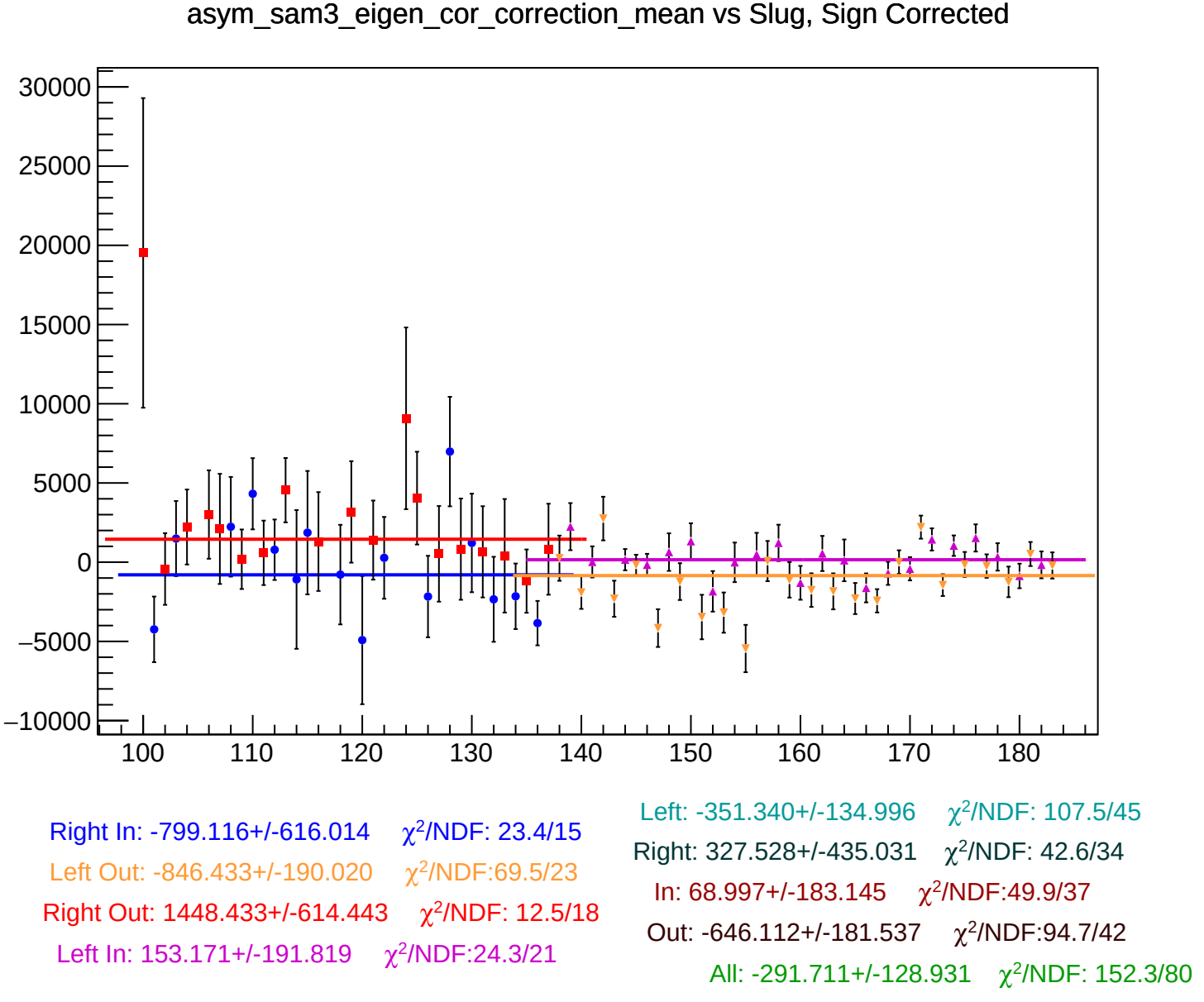
Left: 88.233+/-0.010 χ^2/NDF: 2213034.0/45

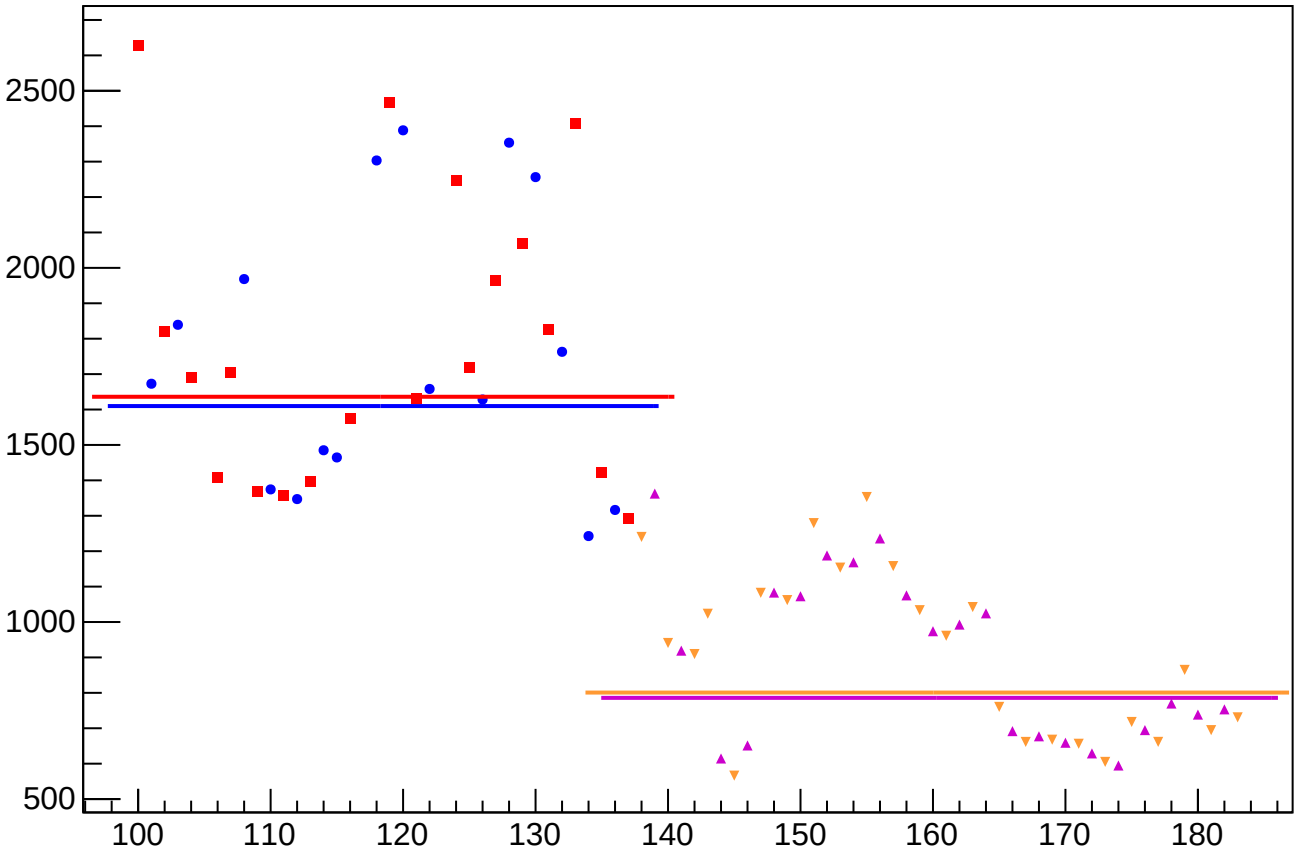
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.392+/-0.014 χ^2/NDF:2567892.6/37

Out: 93.248+/-0.013 χ^2/NDF:2845448.5/42

All: 93.318+/-0.010 χ^2/NDF: 5413398.1/80


asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -799.116+/-616.014 χ²/NDF: 23.4/15
Left Out: -846.433+/-190.020 χ²/NDF:69.5/23
Right Out: 1448.433+/-614.443 χ²/NDF: 12.5/18
Left In: 153.171+/-191.819 χ²/NDF:24.3/21
Left: -351.340+/-134.996 χ²/NDF: 107.5/45
Right: 327.528+/-435.031 χ²/NDF: 42.6/34
In: 68.997+/-183.145 χ²/NDF:49.9/37
Out: -646.112+/-181.537 χ²/NDF:94.7/42
All: -291.711+/-128.931 χ²/NDF: 152.3/80



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 800.807+/-0.134 χ^2/NDF:2374985.7/23

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: 793.391+/-0.095 χ^2/NDF: 4536868.5/45

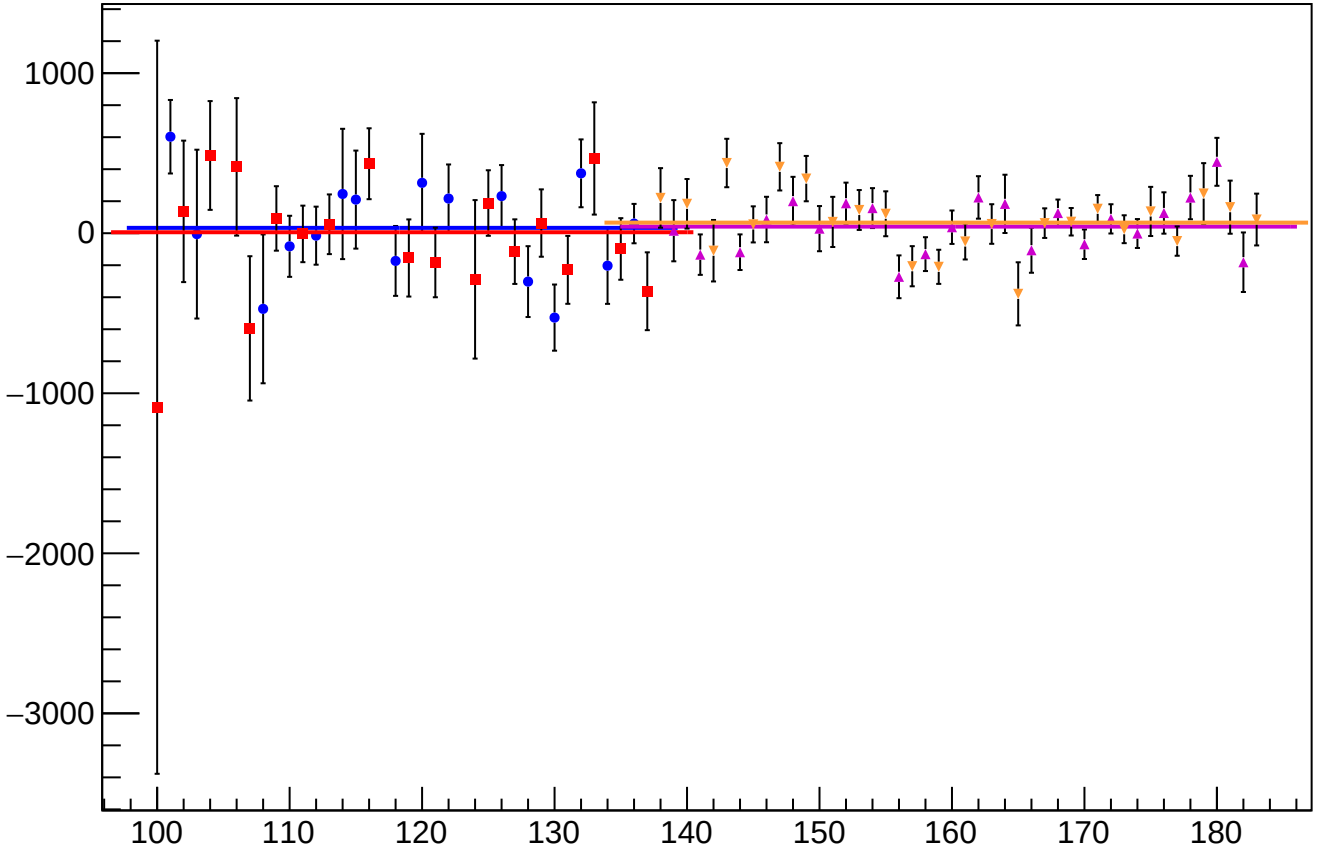
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 858.665+/-0.130 χ^2/NDF:6036757.9/37

Out: 873.716+/-0.128 χ^2/NDF:6275830.7/42

All: 866.257+/-0.091 χ^2/NDF: 12319401.2/80

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 66.219+/-25.177 χ^2/NDF:40.0/23

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 41.389+/-25.806 χ^2/NDF:33.0/21

Left: 54.111+/-18.021 χ^2/NDF: 73.5/45

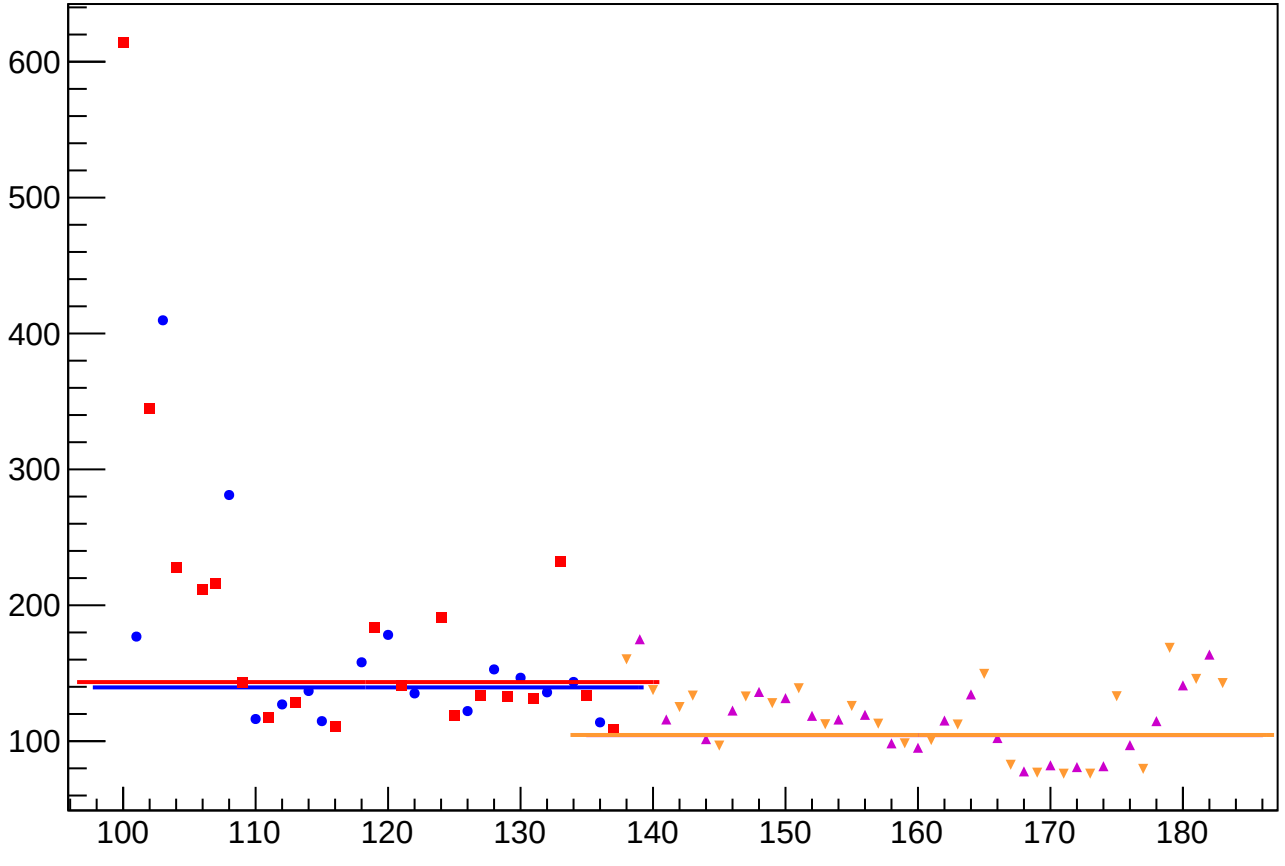
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 39.957+/-23.356 χ^2/NDF:58.2/37

Out: 56.139+/-22.969 χ^2/NDF:58.3/42

All: 48.183+/-16.376 χ^2/NDF: 116.7/80

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 104.554+/-0.018 χ^2/NDF:2220563.3/23

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: 104.497+/-0.013 χ^2/NDF: 3779348.6/45

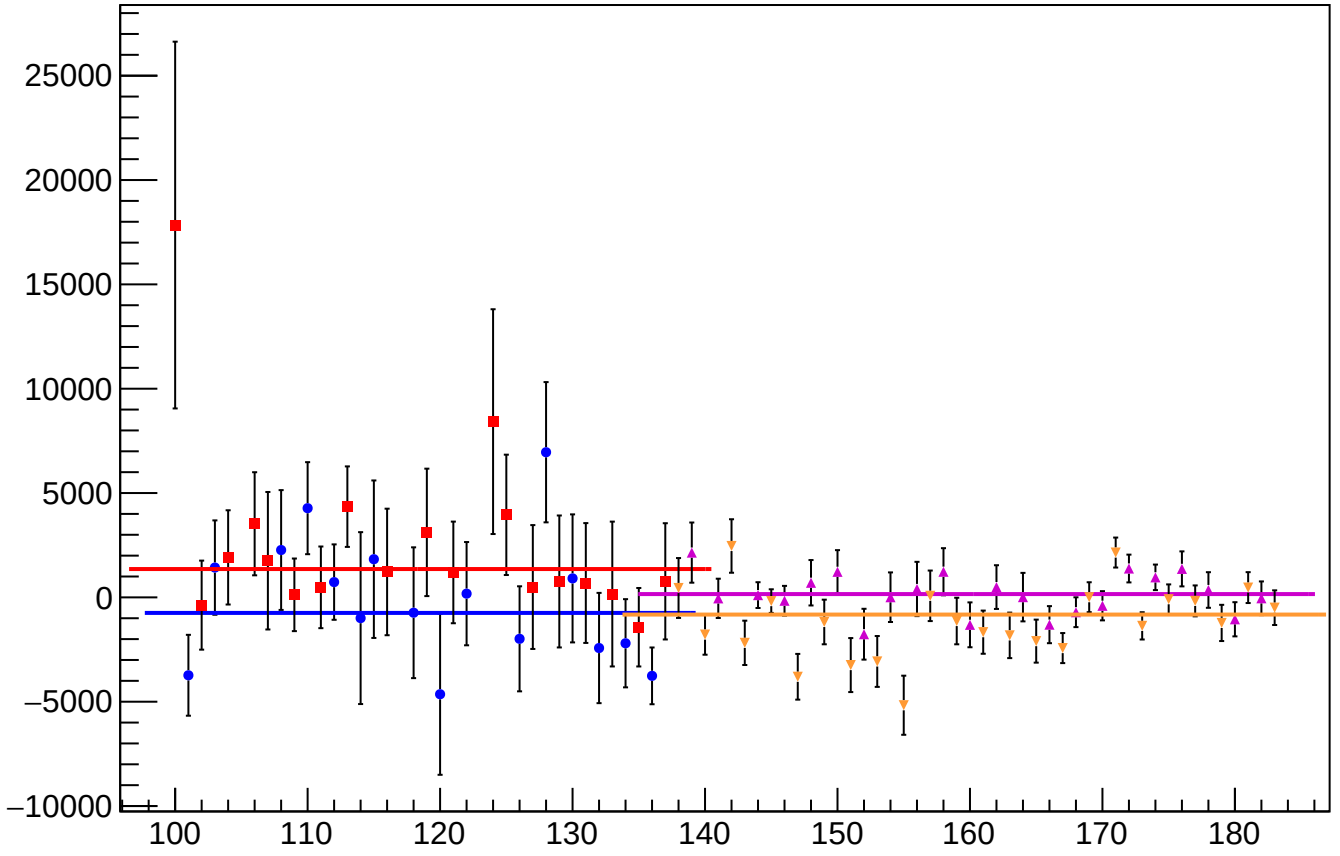
Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 110.793+/-0.017 χ^2/NDF:3206052.8/37

Out: 111.081+/-0.016 χ^2/NDF:4138927.3/42

All: 110.939+/-0.012 χ^2/NDF: 7345135.3/80

asym_sam3_dit_correction_mean vs Slug, Sign Corrected



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -823.993+/-181.306 χ^2/NDF:68.2/23

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 157.947+/-184.855 χ^2/NDF:23.2/21

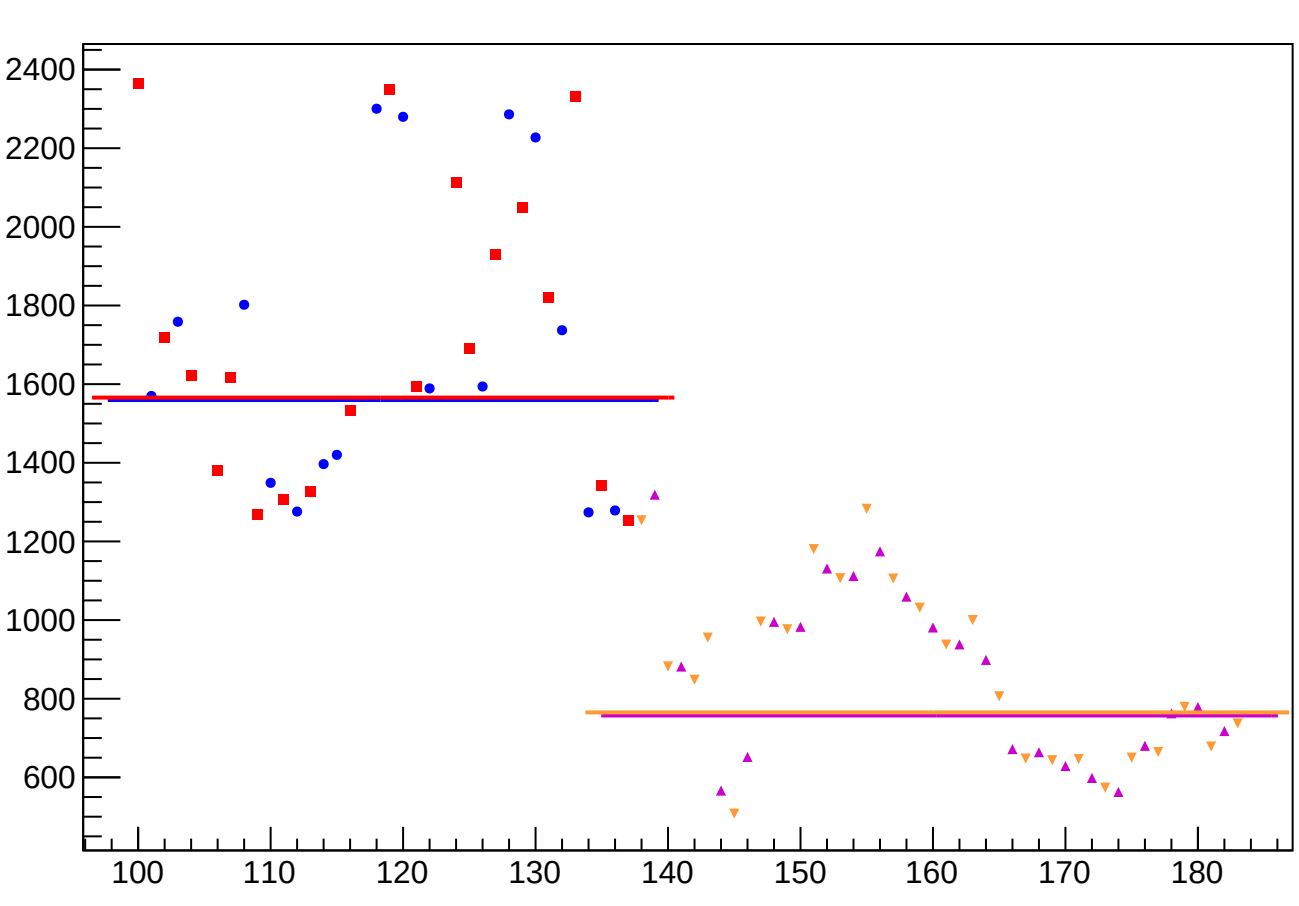
Left: -342.539+/-129.439 χ^2/NDF: 105.7/45

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: 78.689+/-176.553 χ^2/NDF:48.8/37

Out: -633.264+/-173.201 χ^2/NDF:94.3/42

All: -284.111+/-123.640 χ^2/NDF: 151.4/80



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 765.200+/-0.128 χ^2/NDF:2424704.7/23

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 757.410+/-0.131 χ^2/NDF:2114546.1/21

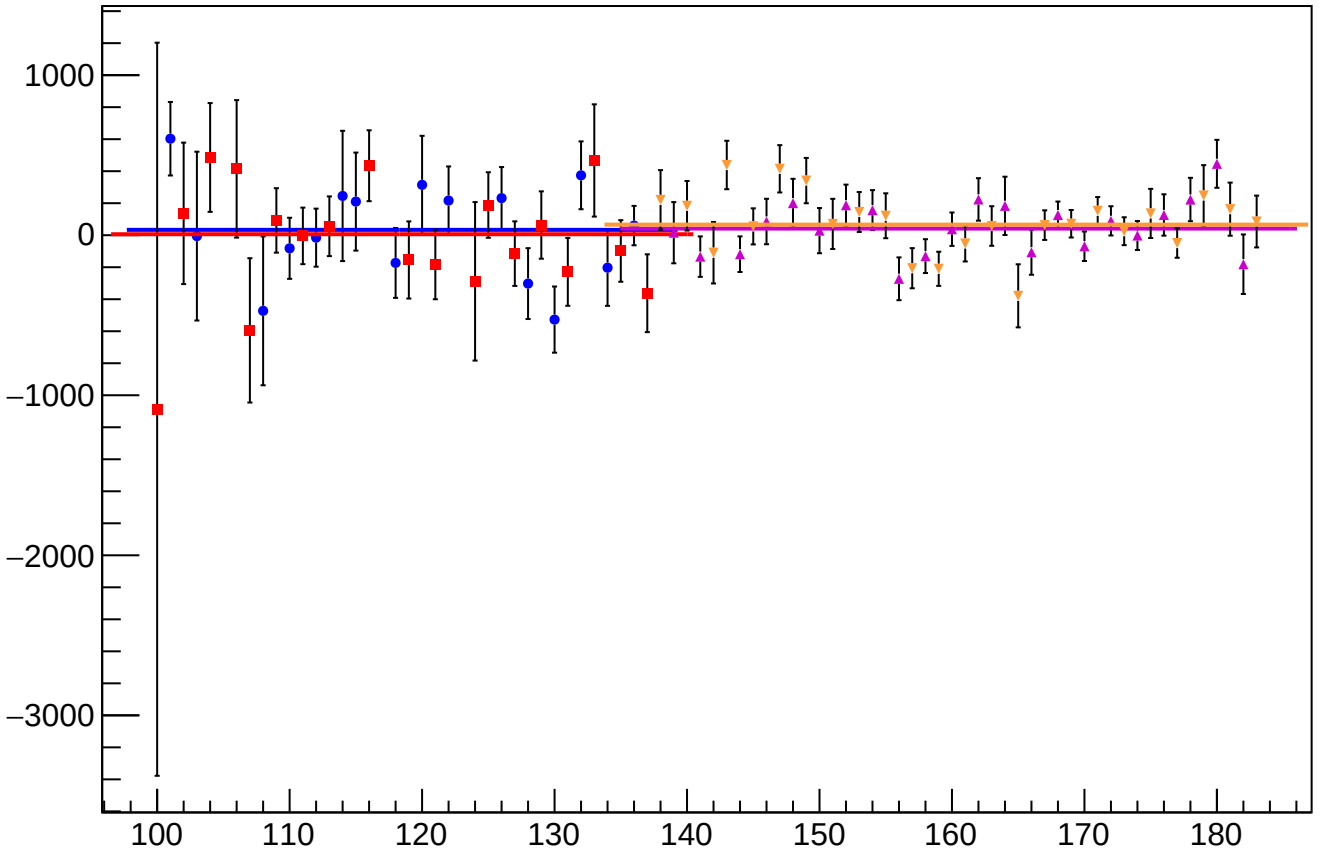
Left: 761.380+/-0.092 χ^2/NDF: 4541061.1/45

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 827.860+/-0.125 χ^2/NDF:6027034.4/37

Out: 835.185+/-0.122 χ^2/NDF:6397595.7/42

All: 831.593+/-0.087 χ^2/NDF: 12426384.4/80



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 66.220+/-25.177 χ^2/NDF:40.0/23

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: 54.111+/-18.021 χ^2/NDF: 73.5/45

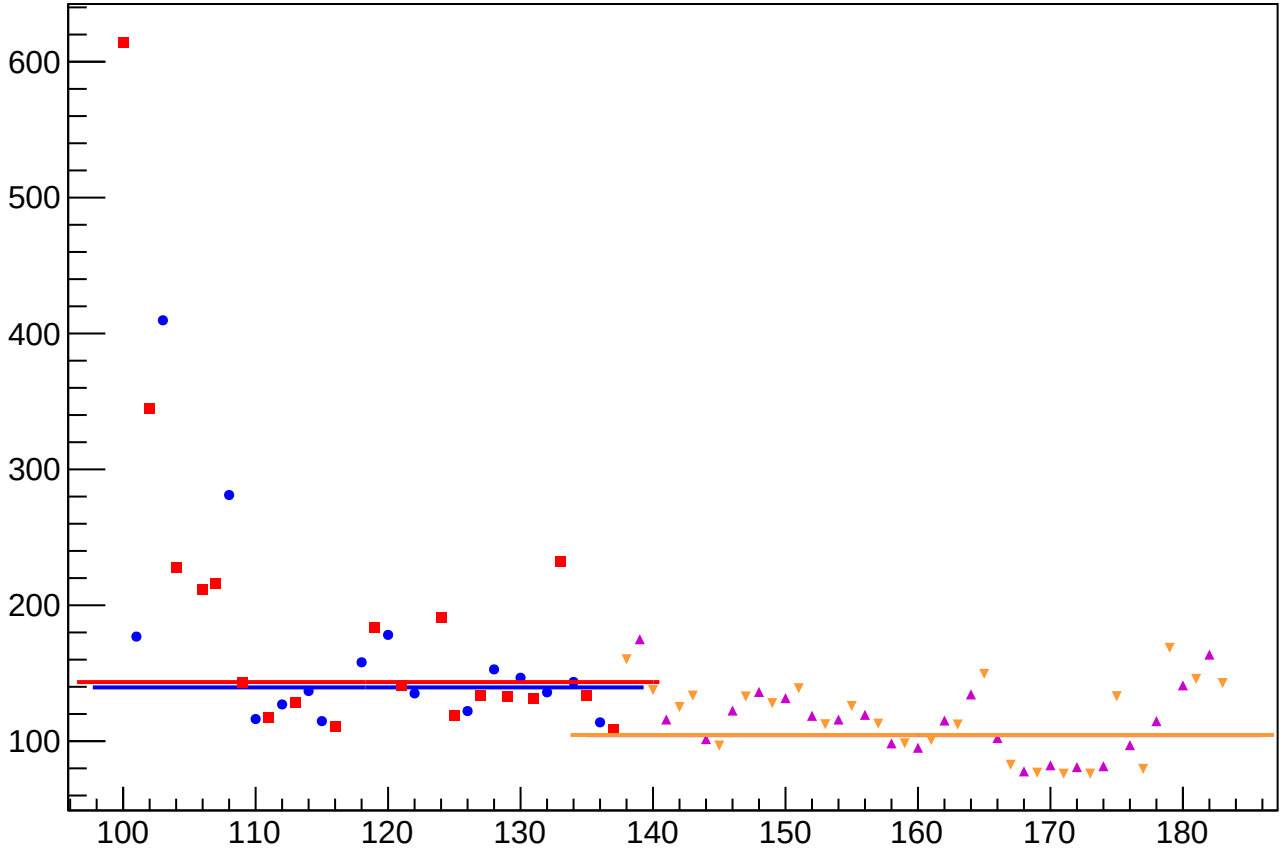
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 39.955+/-23.356 χ^2/NDF:58.2/37

Out: 56.139+/-22.969 χ^2/NDF:58.3/42

All: 48.182+/-16.377 χ^2/NDF: 116.7/80

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 104.554+/-0.018 χ^2/NDF:2220583.6/23

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 104.437+/-0.018 χ^2/NDF:1558773.0/21

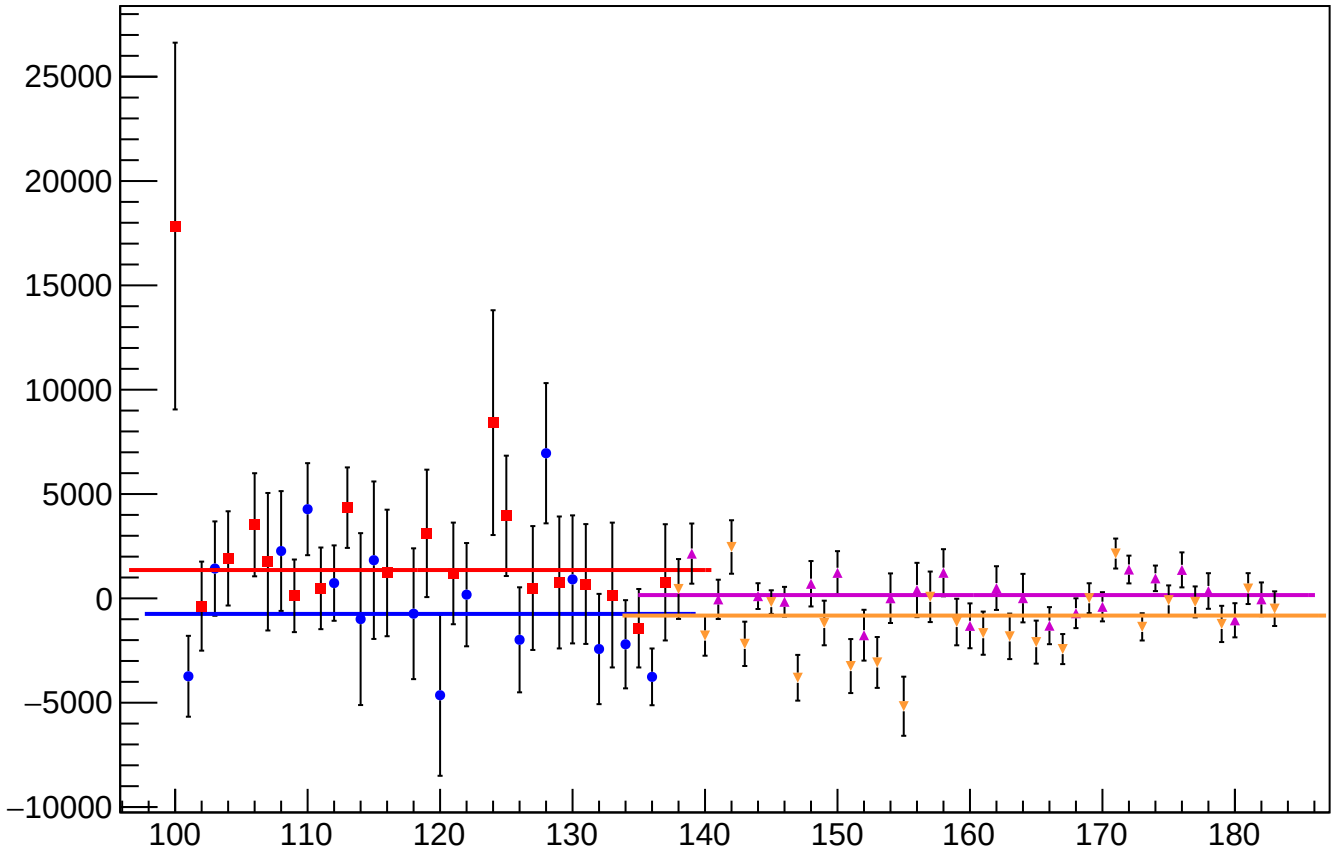
Left: 104.497+/-0.013 χ^2/NDF: 3779377.7/45

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 110.793+/-0.017 χ^2/NDF:3206060.3/37

Out: 111.082+/-0.016 χ^2/NDF:4138954.7/42

All: 110.940+/-0.012 χ^2/NDF: 7345170.3/80



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -823.994+/-181.306 χ^2/NDF:68.2/23

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 157.947+/-184.855 χ^2/NDF:23.2/21

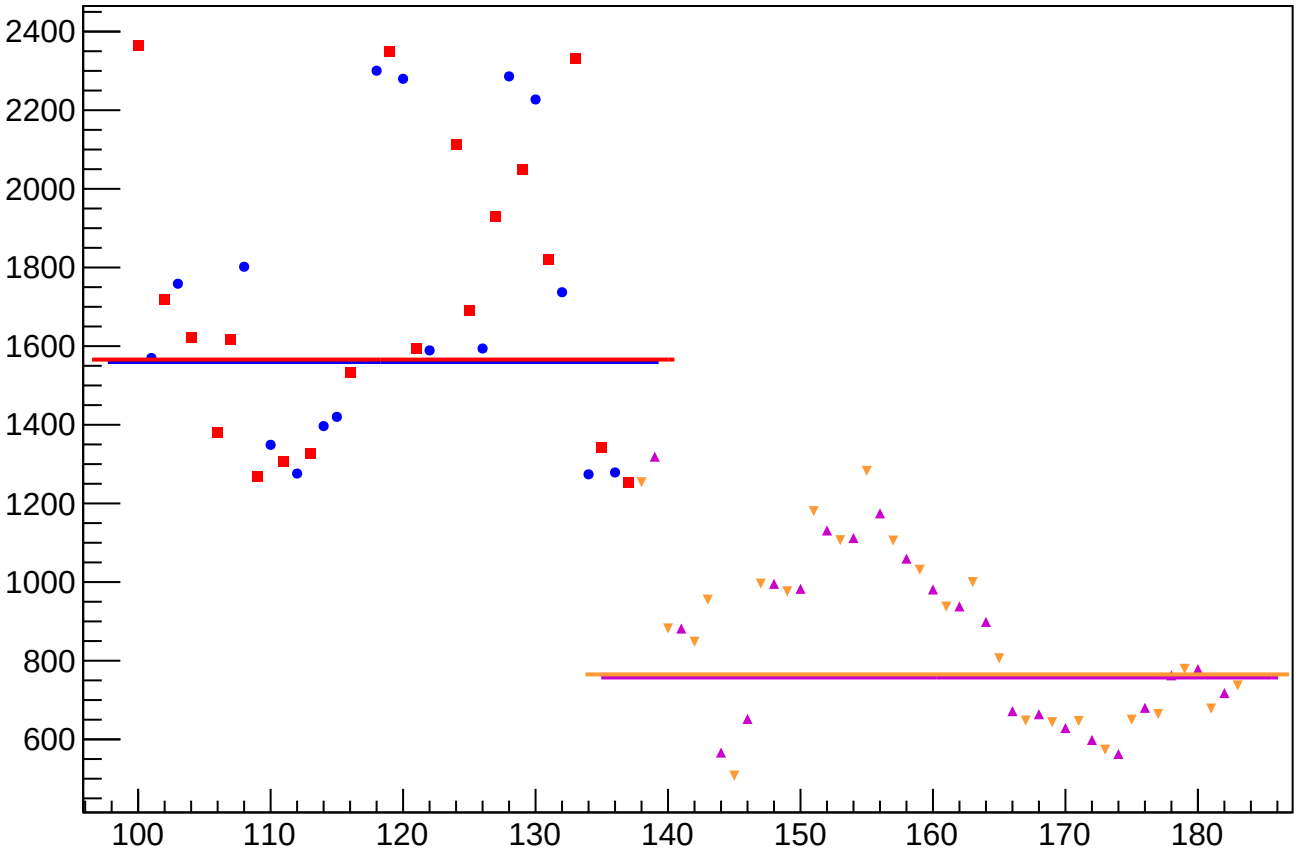
Left: -342.540+/-129.439 χ^2/NDF: 105.7/45

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: 78.689+/-176.553 χ^2/NDF:48.8/37

Out: -633.265+/-173.201 χ^2/NDF:94.3/42

All: -284.111+/-123.639 χ^2/NDF: 151.4/80



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 765.199+/-0.128 χ^2/NDF:2424698.2/23

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: 761.380+/-0.092 χ^2/NDF: 4541049.5/45

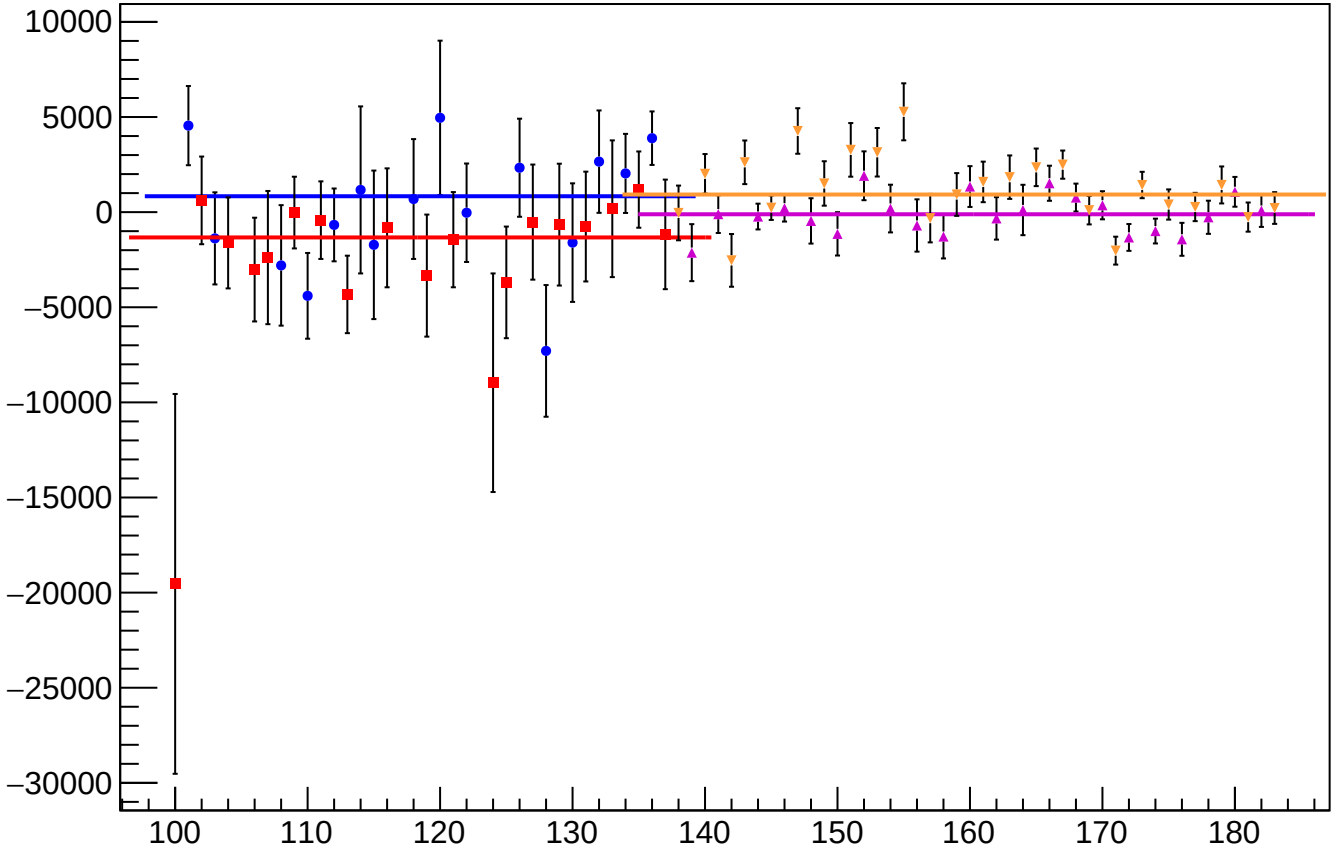
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 827.860+/-0.125 χ^2/NDF:6027028.7/37

Out: 835.185+/-0.122 χ^2/NDF:6397582.9/42

All: 831.592+/-0.087 χ^2/NDF: 12426365.9/80

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 925.853+/-191.283 χ^2/NDF:64.5/23

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: 412.070+/-135.913 χ^2/NDF: 102.1/45

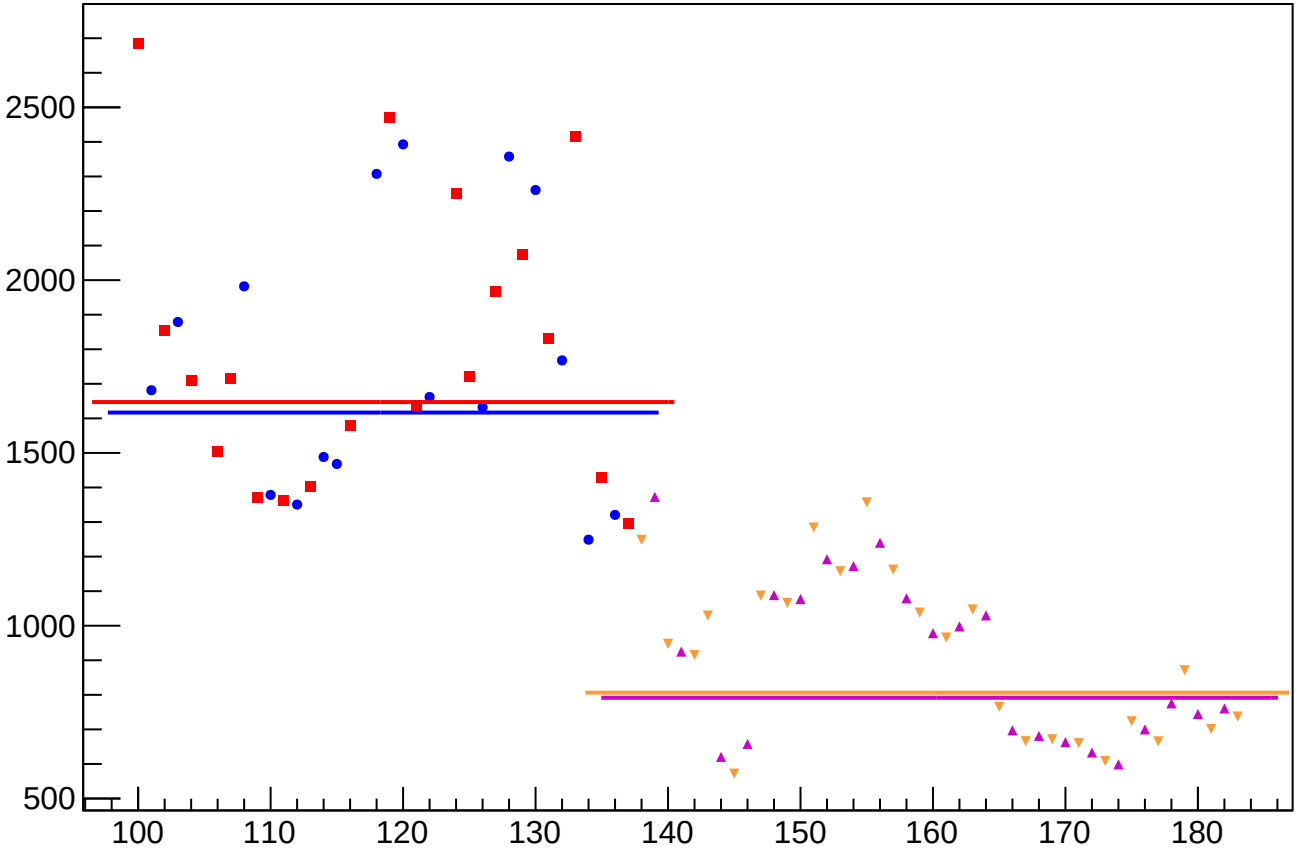
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: -27.689+/-184.377 χ^2/NDF:50.1/37

Out: 727.754+/-182.689 χ^2/NDF:88.8/42

All: 353.505+/-129.773 χ^2/NDF: 147.4/80

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 806.353+/-0.135 χ^2/NDF:2352678.0/23

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 791.534+/-0.137 χ^2/NDF:2134648.0/21

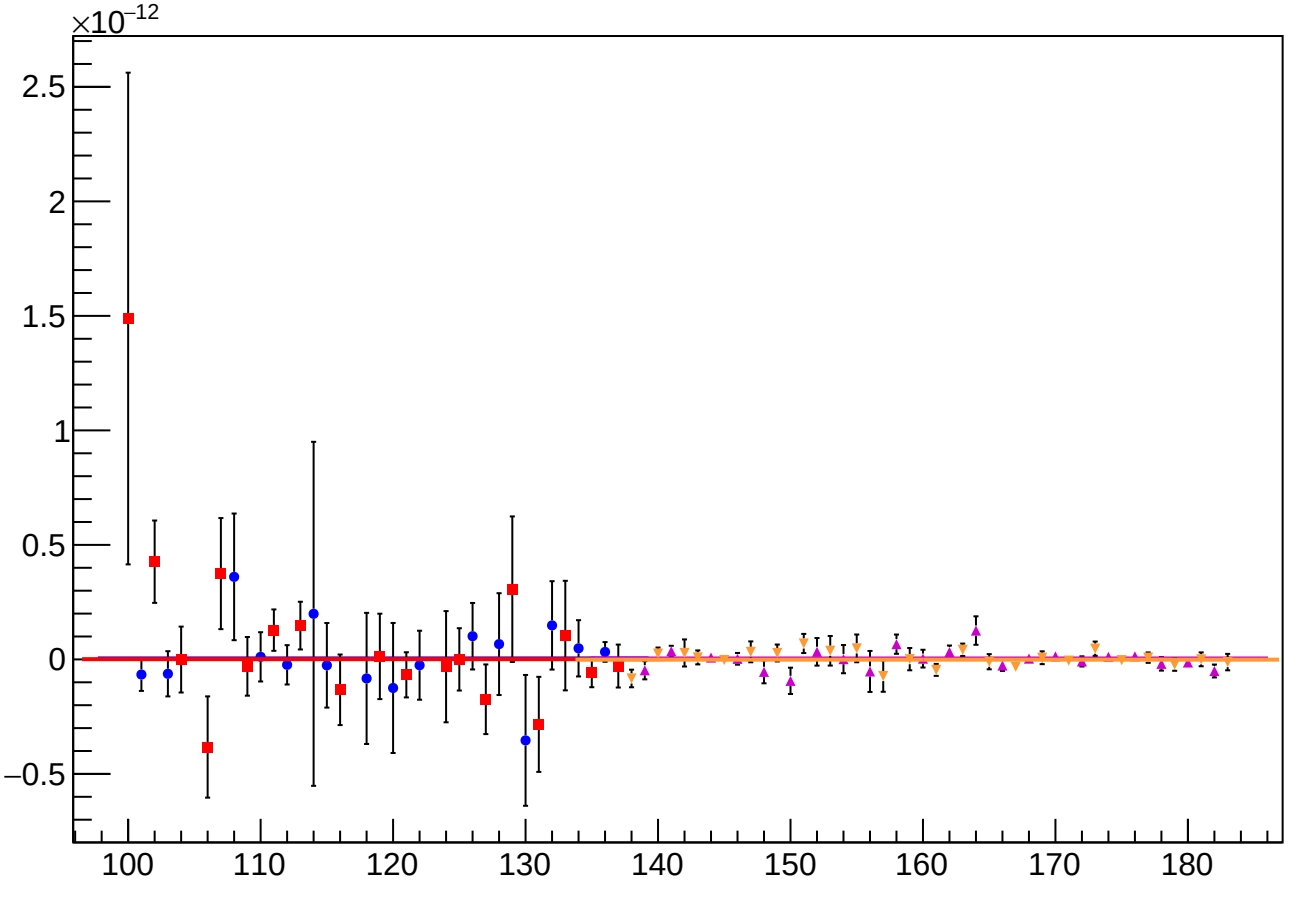
Left: 799.016+/-0.096 χ^2/NDF: 4493269.9/45

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 864.805+/-0.130 χ^2/NDF:5998600.9/37

Out: 880.210+/-0.129 χ^2/NDF:6271238.6/42

All: 872.579+/-0.092 χ^2/NDF: 12276884.7/80



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:23.8/21

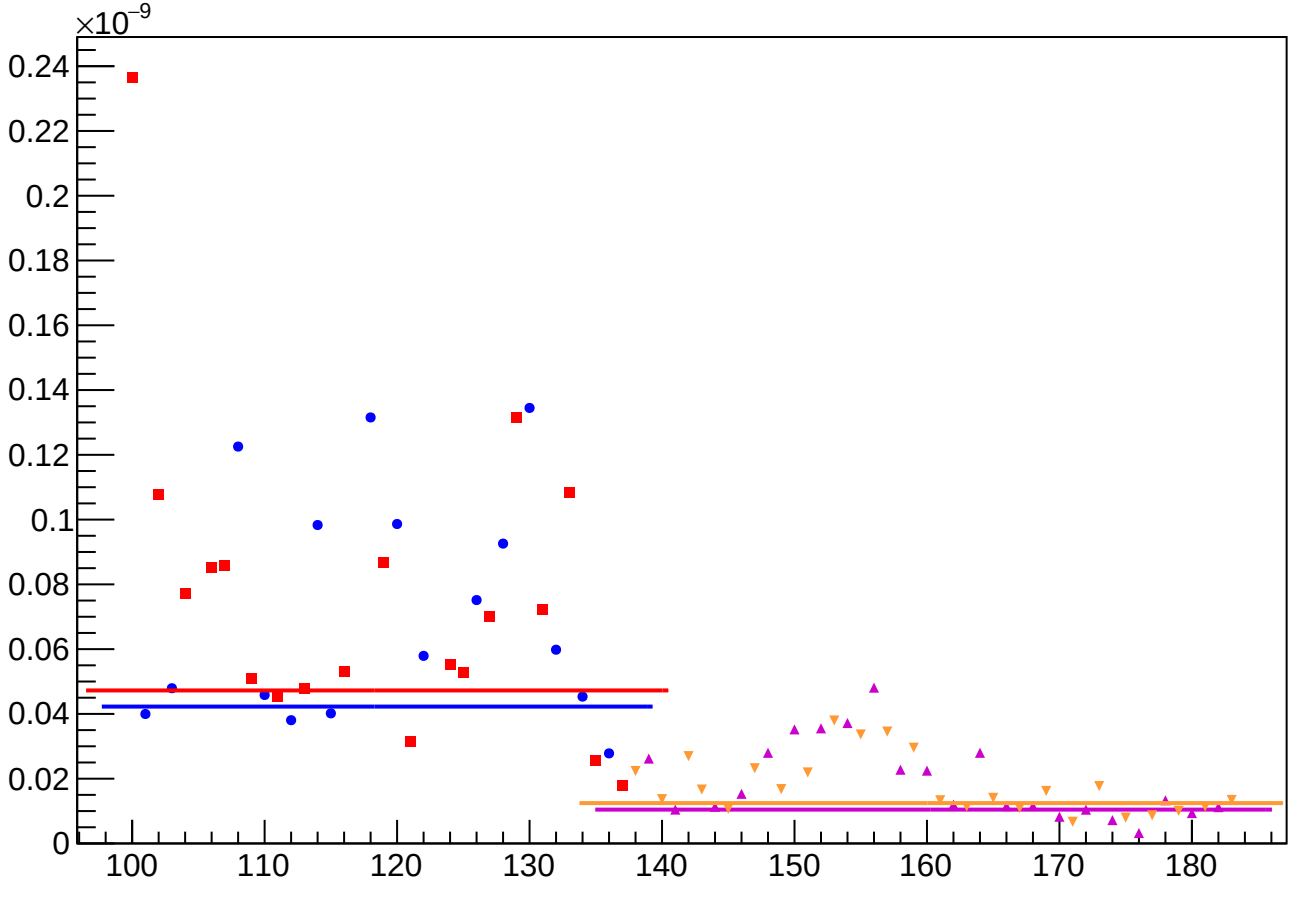
Left: 0.000+/-0.000 χ^2/NDF: 47.9/45

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:47.0/42

All: 0.000+/-0.000 χ^2/NDF: 78.2/80



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2214346.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3615341.6/21

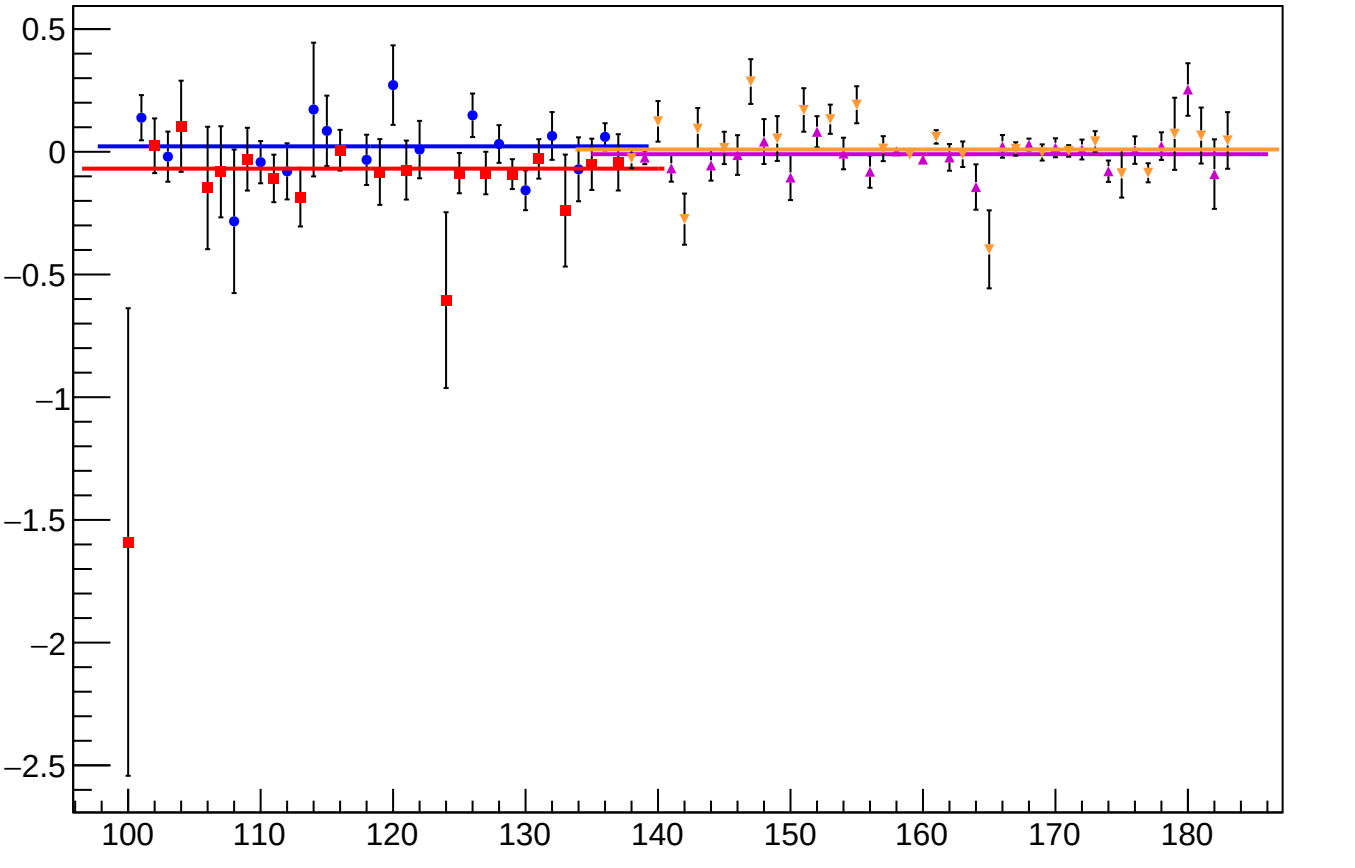
Left: 0.000+/-0.000 χ^2/NDF: 5971520.8/45

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:6175007.1/42

All: 0.000+/-0.000 χ^2/NDF: 13726458.6/80



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:54.4/23

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:24.1/21

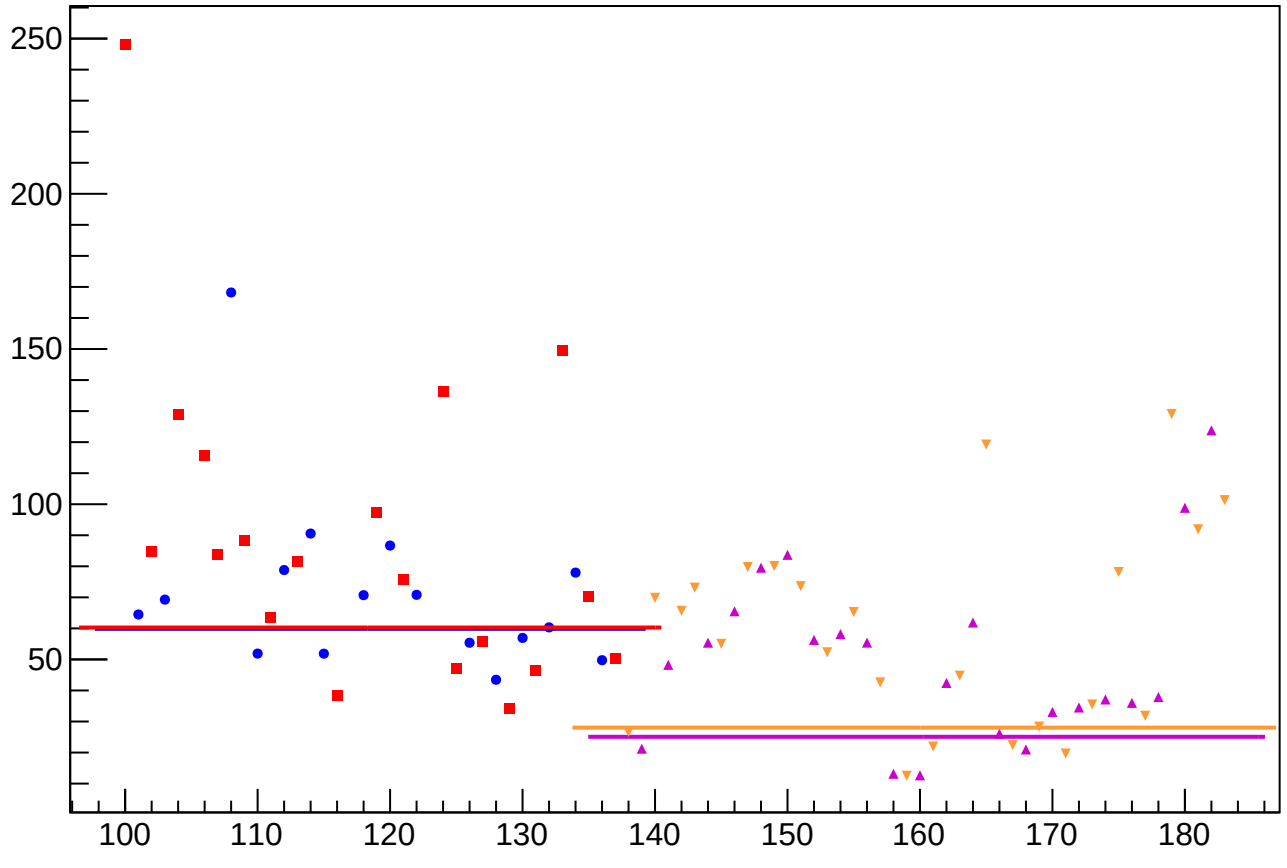
Left: -0.001+/-0.006 χ^2/NDF: 81.3/45

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:41.1/37

Out: 0.002+/-0.008 χ^2/NDF:72.6/42

All: -0.003+/-0.005 χ^2/NDF: 114.3/80



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 28.029+/-0.006 χ^2/NDF:10778643.1/23

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 25.072+/-0.006 χ^2/NDF:9629901.4/21

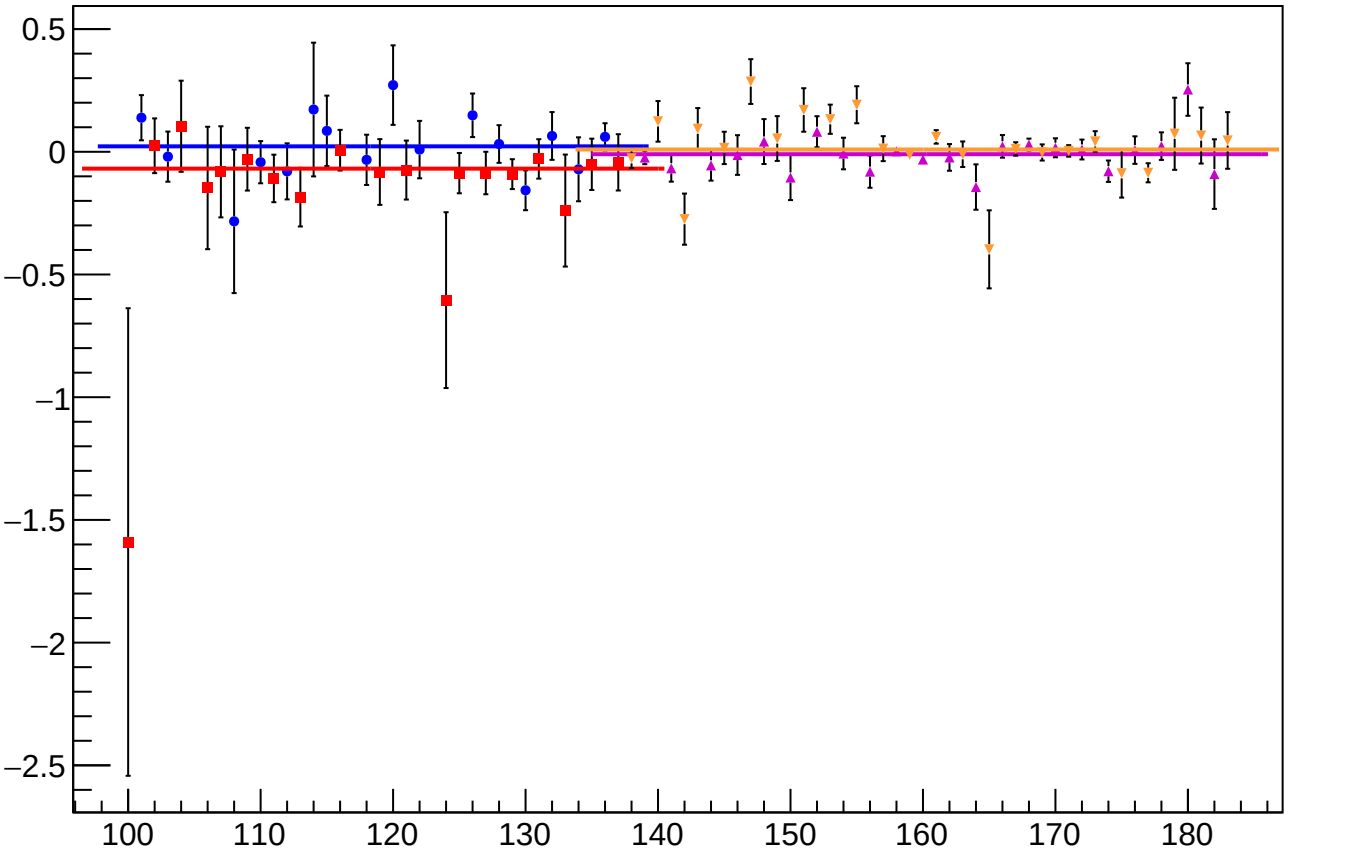
Left: 26.454+/-0.004 χ^2/NDF: 20538549.2/45

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 28.330+/-0.005 χ^2/NDF:13933753.3/37

Out: 31.280+/-0.006 χ^2/NDF:15682974.6/42

All: 29.715+/-0.004 χ^2/NDF: 29760083.6/80



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:54.4/23

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:24.1/21

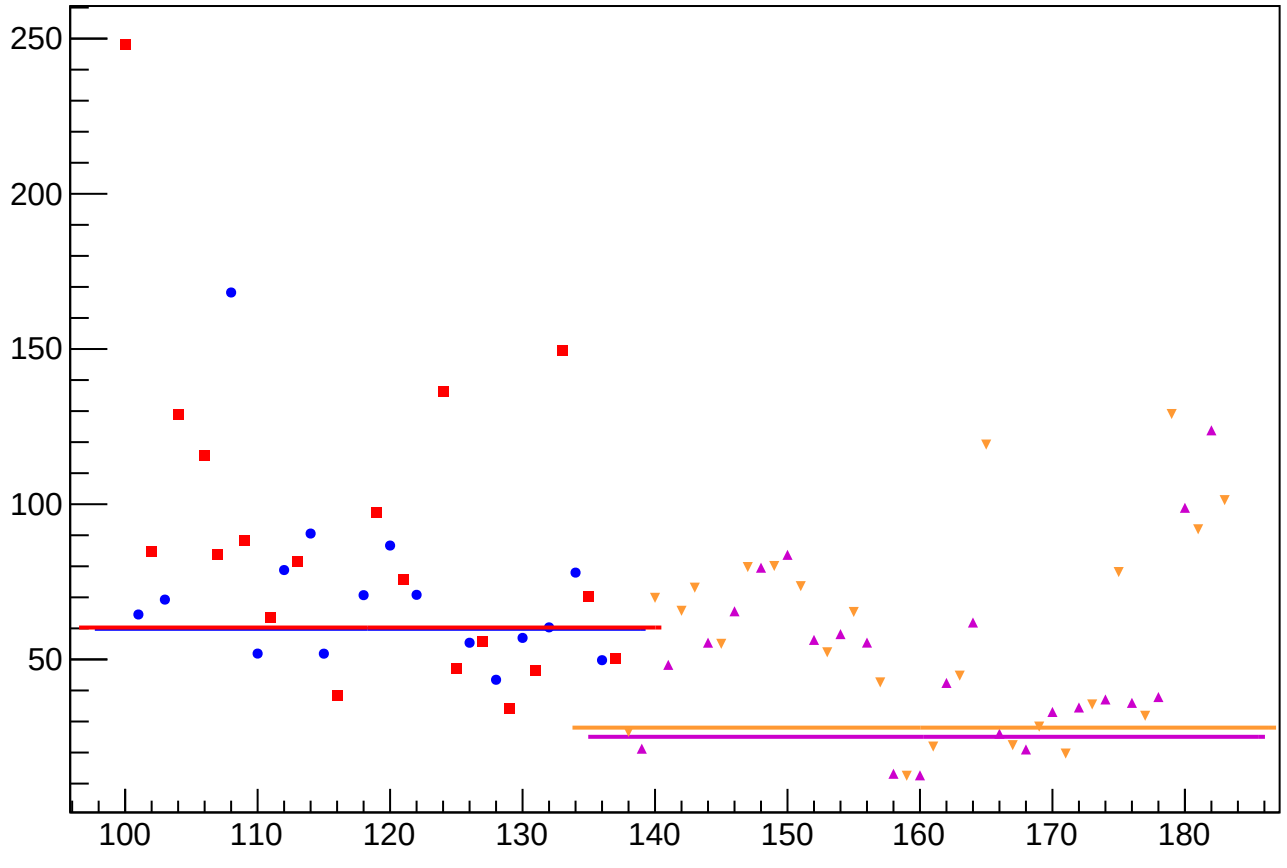
Left: -0.001+/-0.006 χ^2/NDF: 81.3/45

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:41.1/37

Out: 0.002+/-0.008 χ^2/NDF:72.6/42

All: -0.003+/-0.005 χ^2/NDF: 114.3/80



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 28.029+/-0.006 χ^2/NDF:10778643.1/23

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 25.072+/-0.006 χ^2/NDF:9629901.4/21

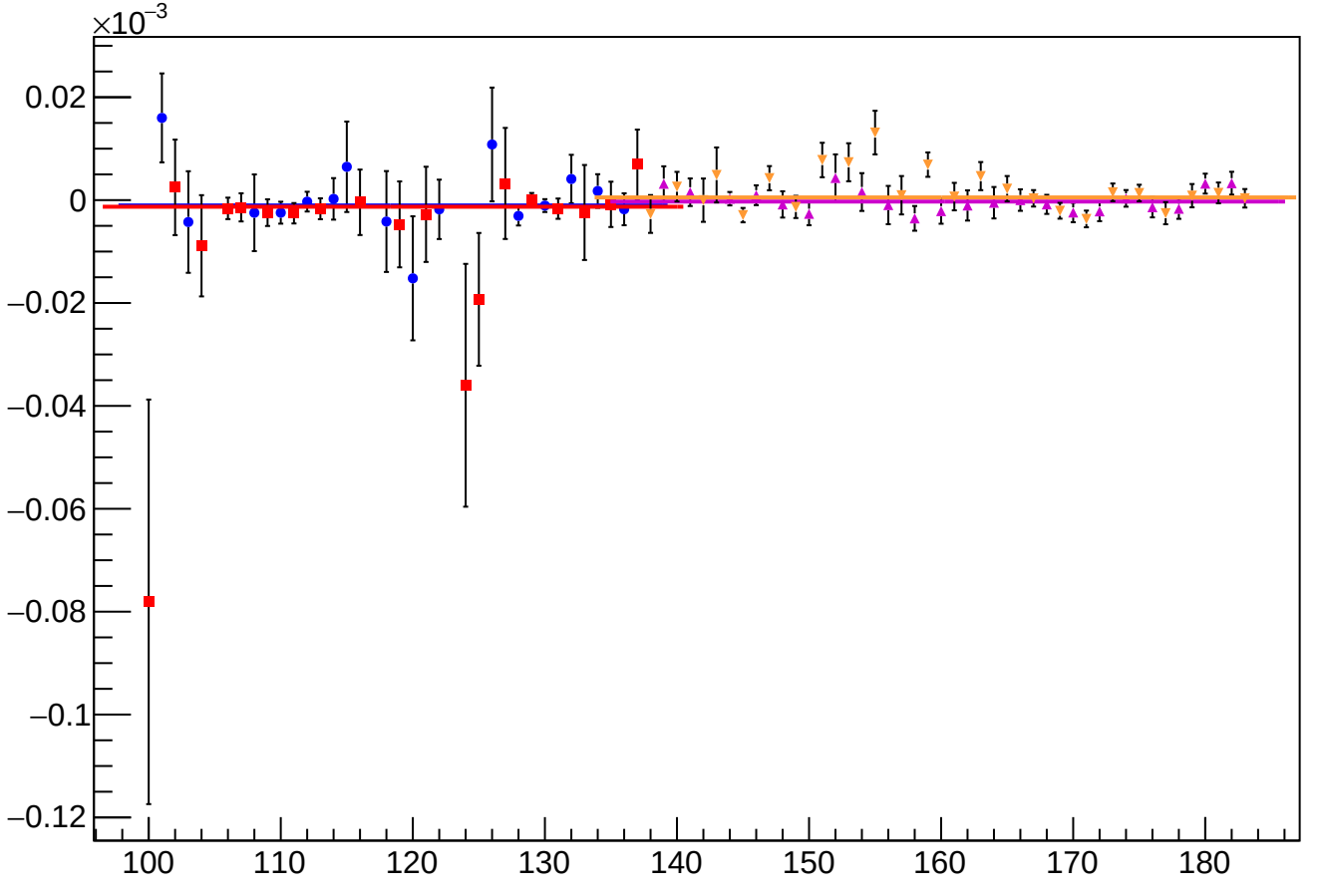
Left: 26.454+/-0.004 χ^2/NDF: 20538549.2/45

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 28.330+/-0.005 χ^2/NDF:13933753.3/37

Out: 31.280+/-0.006 χ^2/NDF:15682974.6/42

All: 29.715+/-0.004 χ^2/NDF: 29760083.6/80



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/21

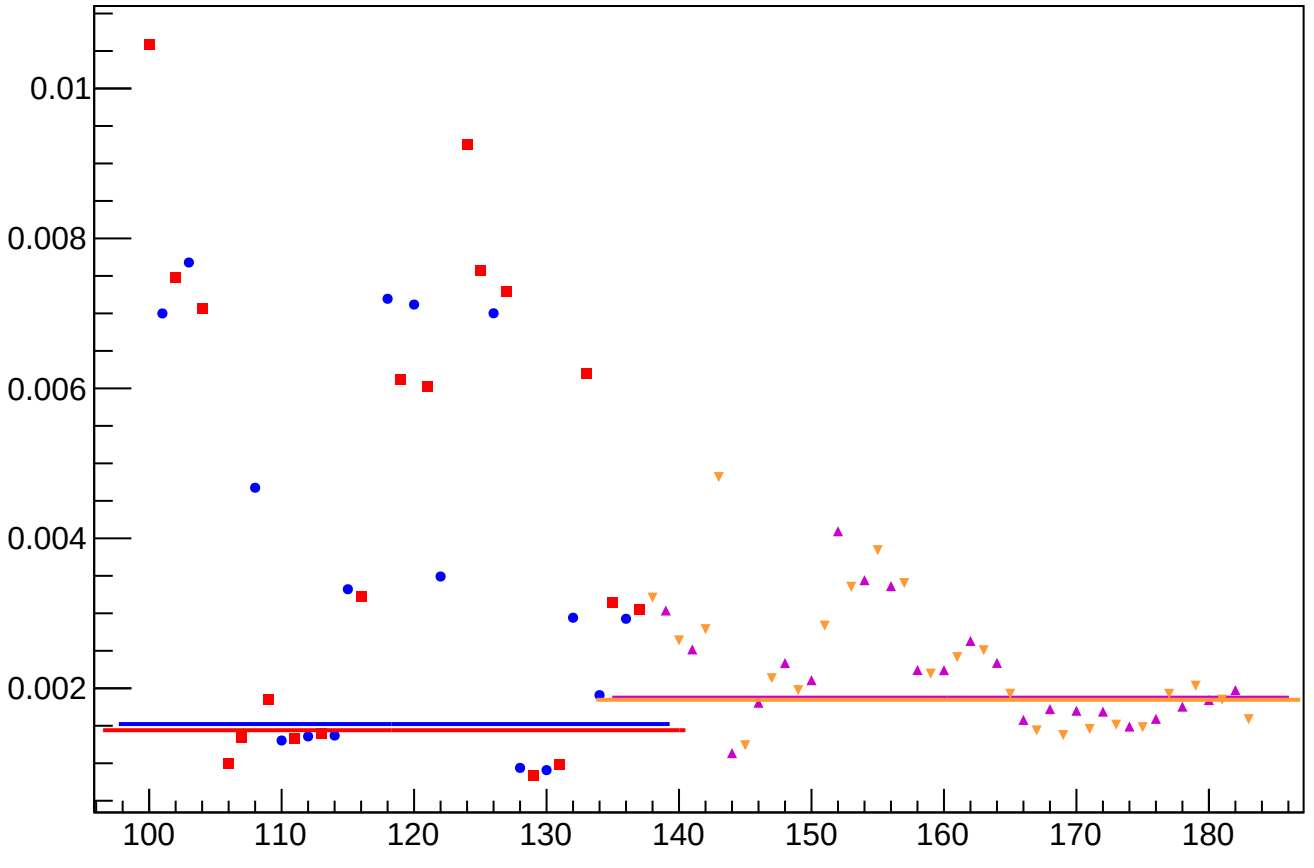
Left: 0.000+/-0.000 χ^2/NDF: 68.4/45

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:67.9/42

All: -0.000+/-0.000 χ^2/NDF: 96.9/80



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3776954.1/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2760839.6/21

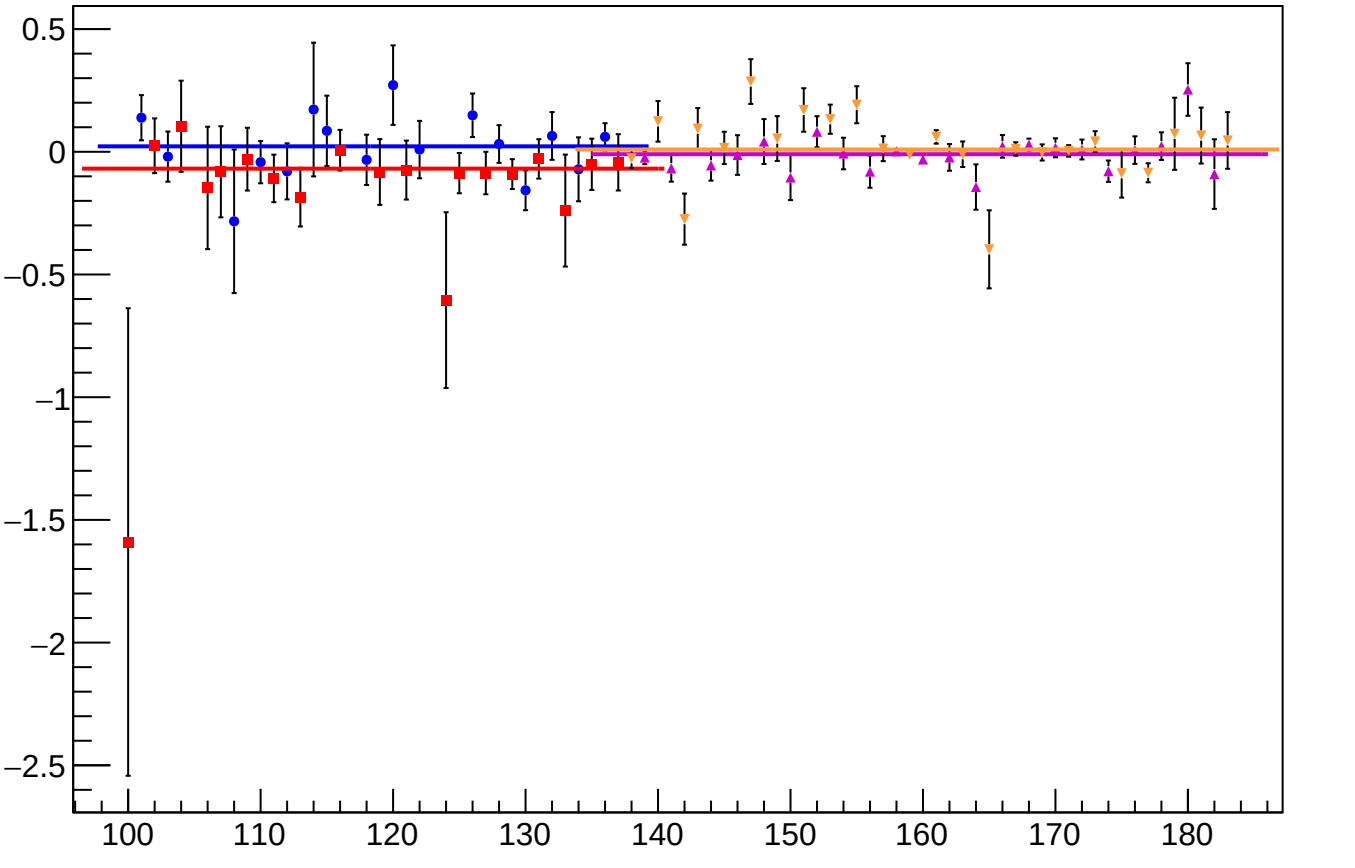
Left: 0.002+/-0.000 χ^2/NDF: 6541612.3/45

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:10044428.0/42

All: 0.002+/-0.000 χ^2/NDF: 18327960.2/80



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:54.4/23

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: 81.3/45

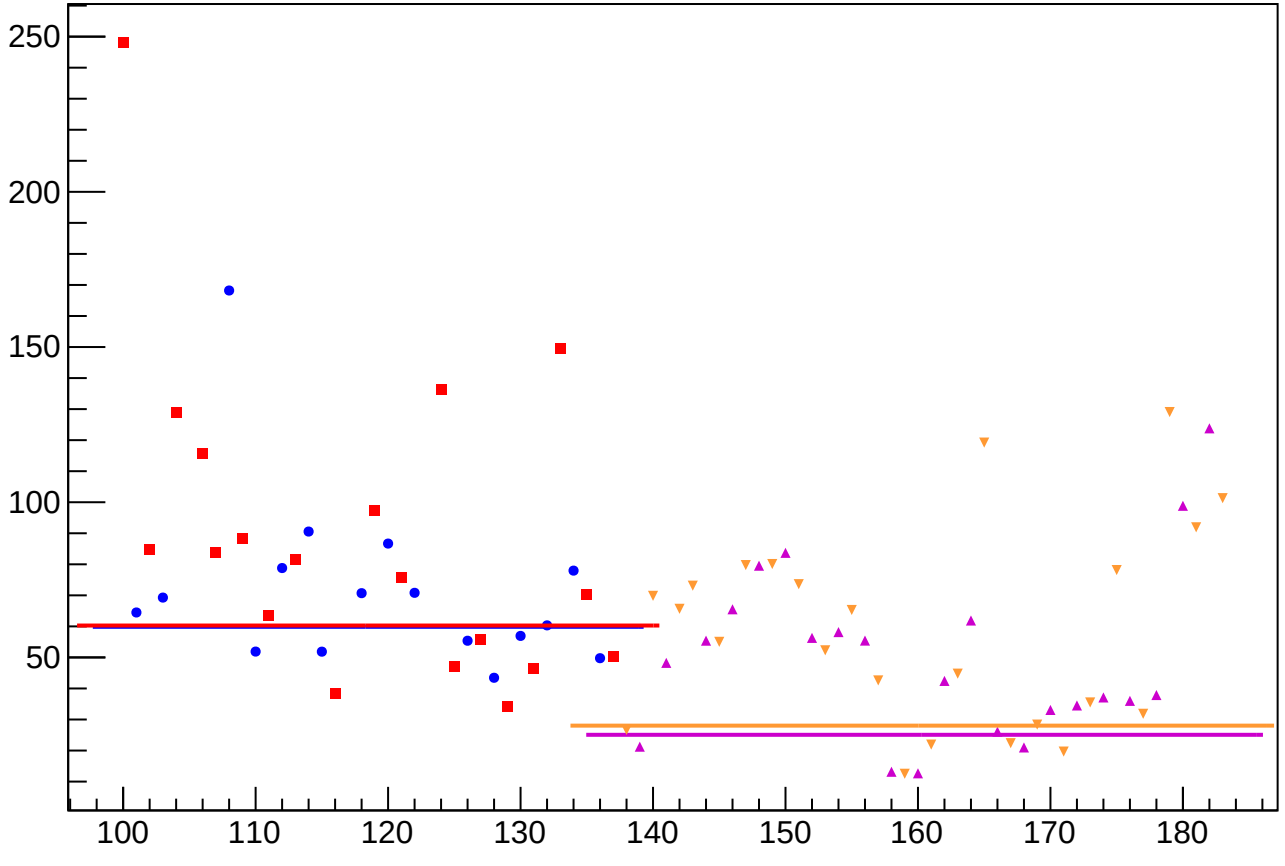
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:41.1/37

Out: 0.002+/-0.008 χ^2/NDF:72.6/42

All: -0.003+/-0.005 χ^2/NDF: 114.3/80

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 28.028+/-0.006 χ^2/NDF:10779706.0/23

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 25.071+/-0.006 χ^2/NDF:9630398.1/21

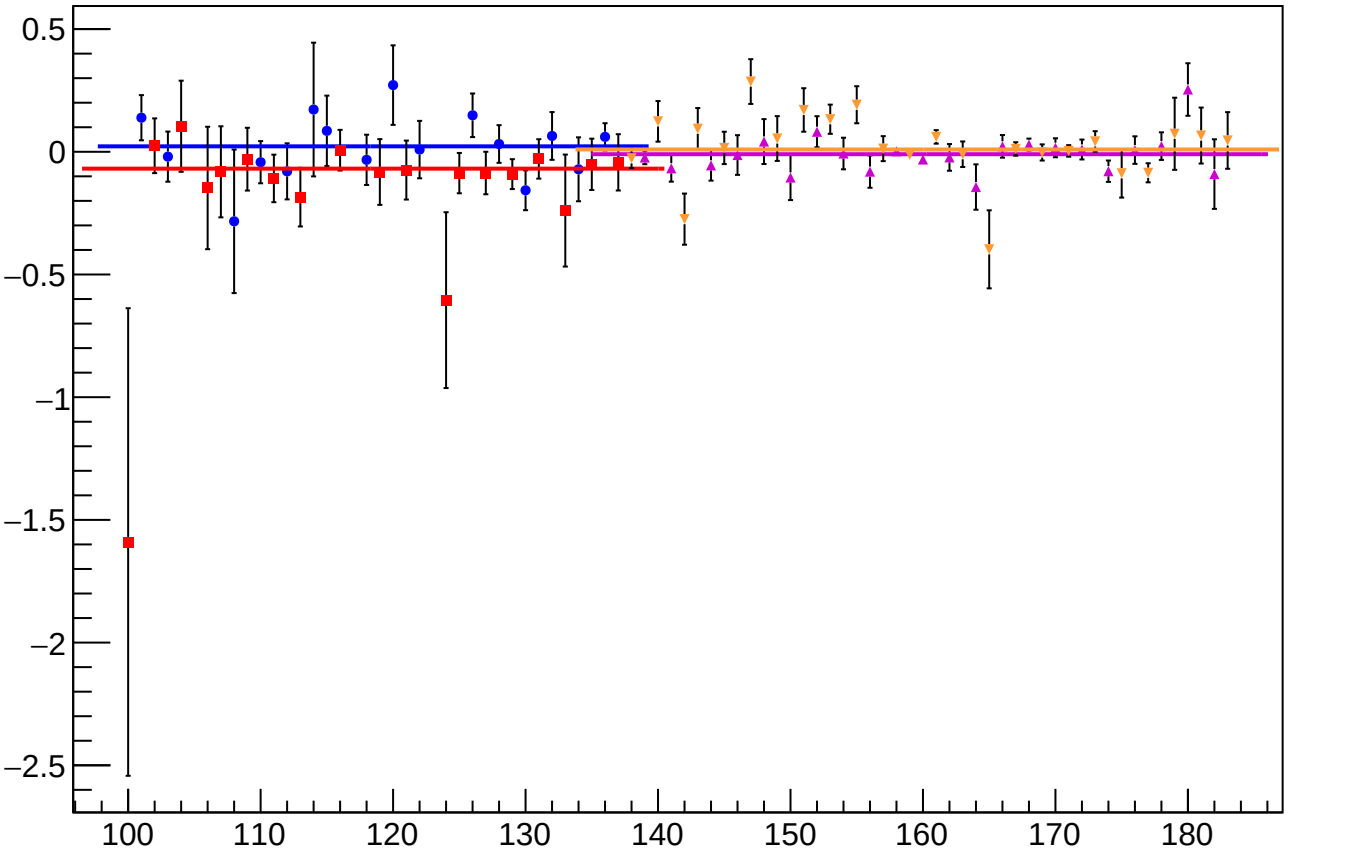
Left: 26.453+/-0.004 χ^2/NDF: 20540037.2/45

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 28.329+/-0.005 χ^2/NDF:13934446.5/37

Out: 31.279+/-0.006 χ^2/NDF:15684369.5/42

All: 29.714+/-0.004 χ^2/NDF: 29762092.8/80



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:54.4/23

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:24.1/21

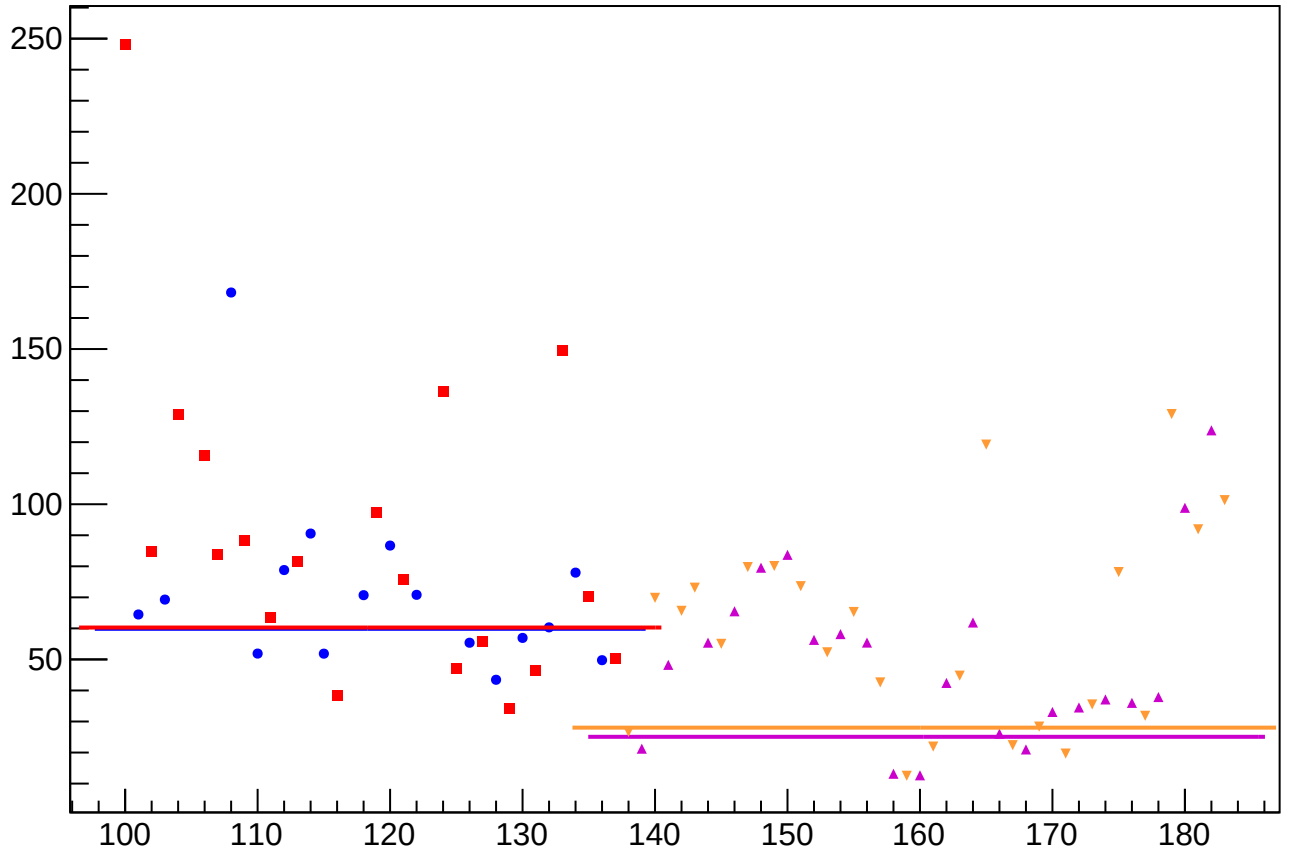
Left: -0.001+/-0.006 χ^2/NDF: 81.3/45

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:41.1/37

Out: 0.002+/-0.008 χ^2/NDF:72.6/42

All: -0.003+/-0.005 χ^2/NDF: 114.3/80



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 28.028+/-0.006 χ^2/NDF:10779706.0/23

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 25.071+/-0.006 χ^2/NDF:9630398.1/21

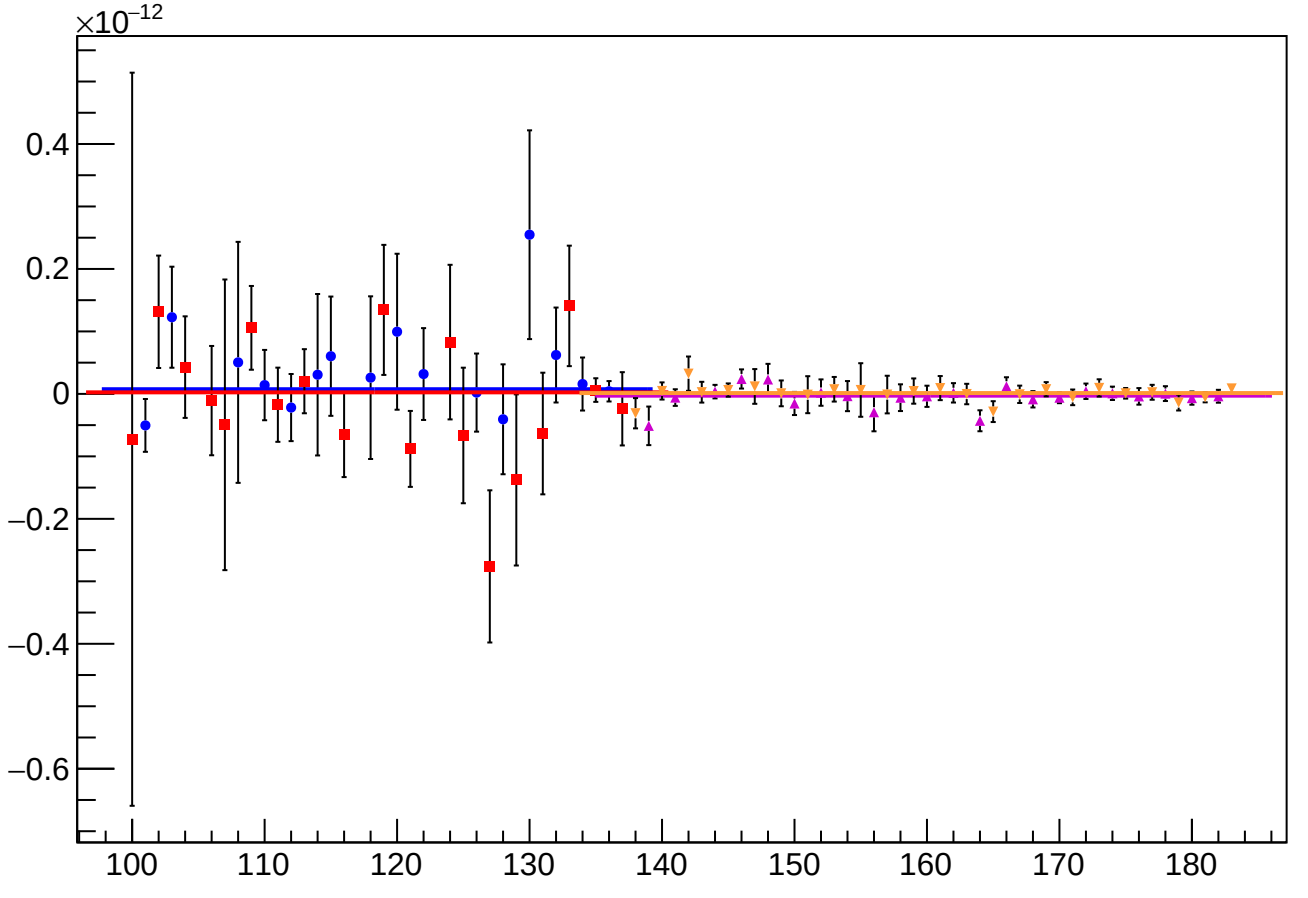
Left: 26.453+/-0.004 χ^2/NDF: 20540037.2/45

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 28.329+/-0.005 χ^2/NDF:13934446.5/37

Out: 31.279+/-0.006 χ^2/NDF:15684369.5/42

All: 29.714+/-0.004 χ^2/NDF: 29762092.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:16.1/21

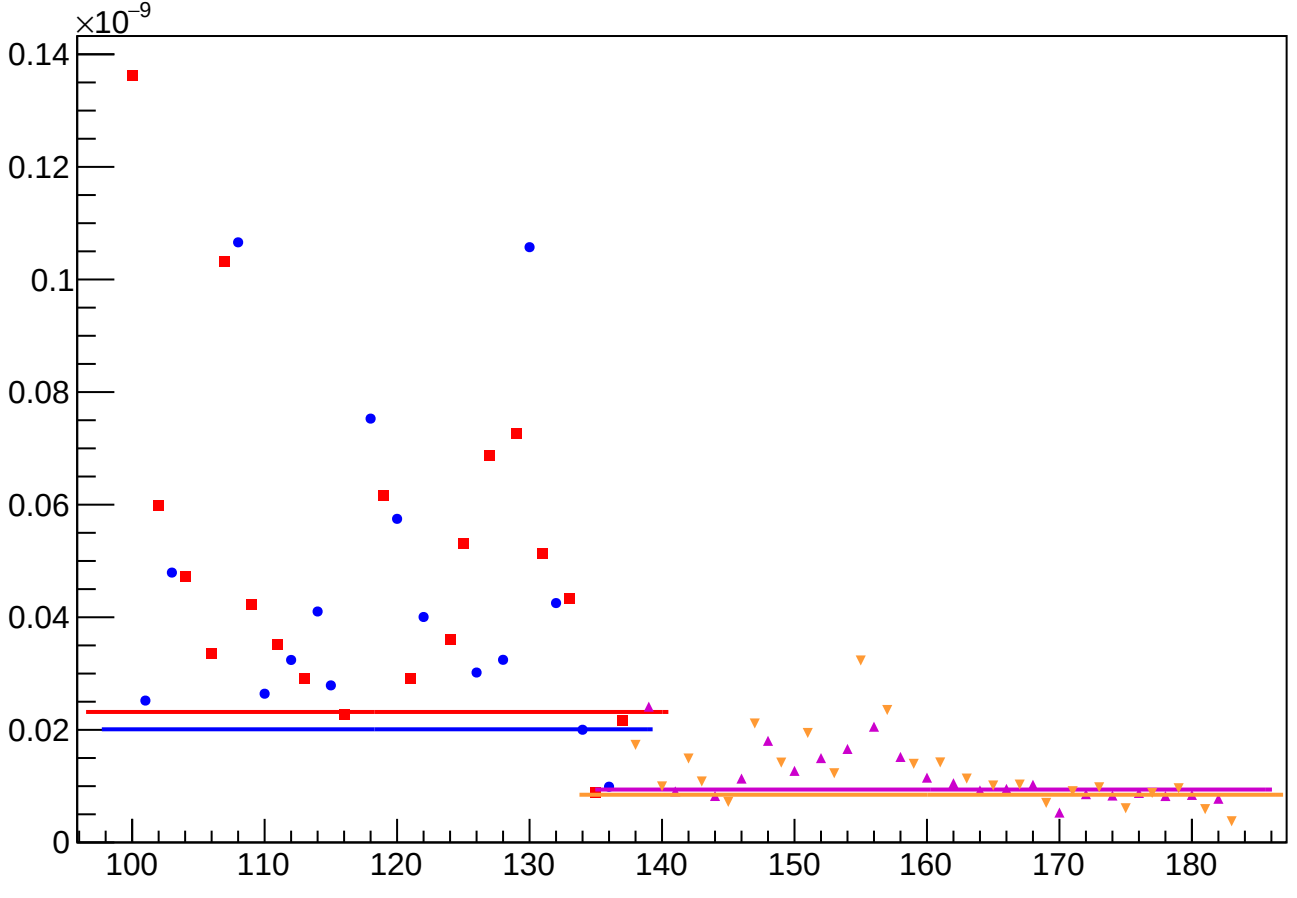
Left: -0.000+/-0.000 χ^2/NDF: 28.5/45

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:30.9/42

All: -0.000+/-0.000 χ^2/NDF: 57.0/80



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4340919.3/23

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: 6588478.3/45

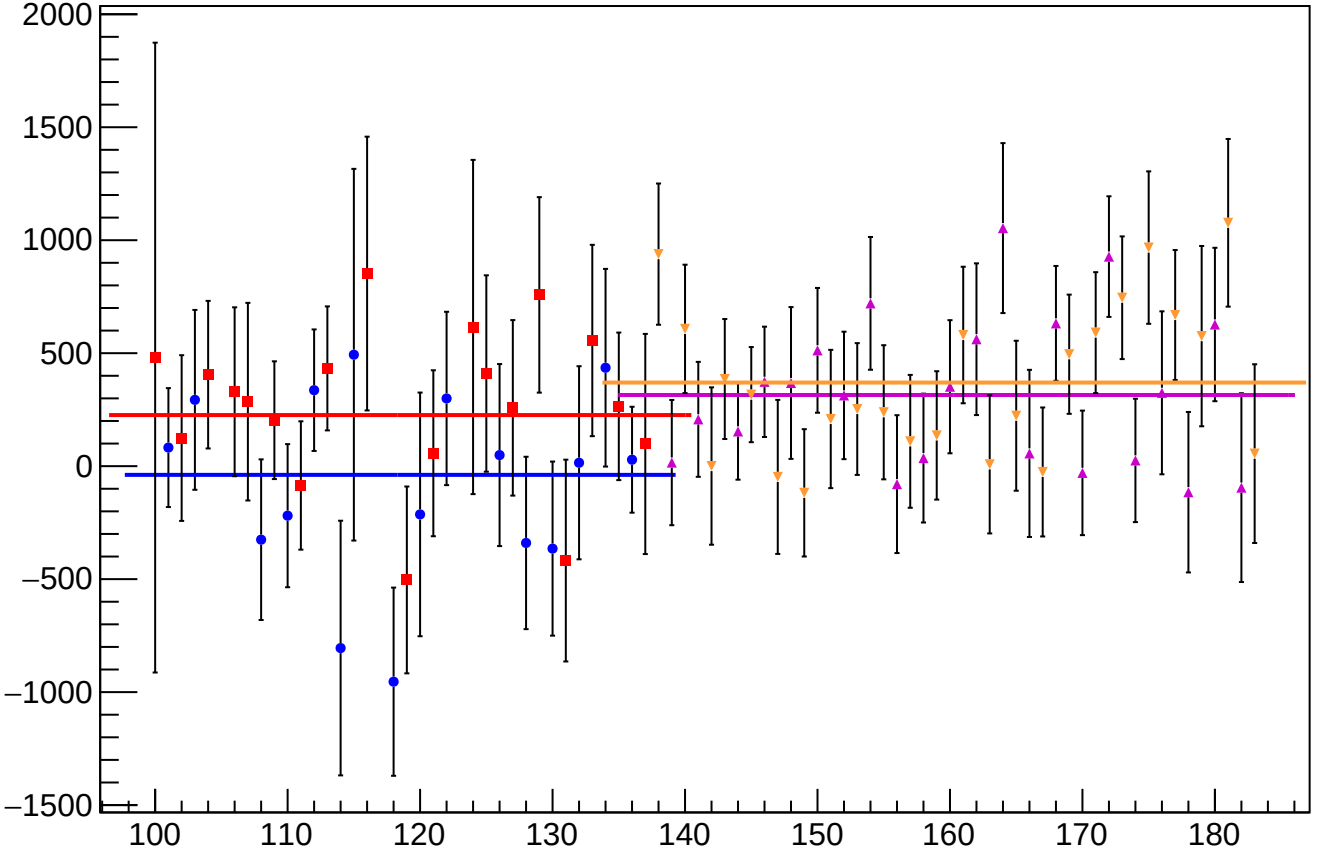
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:6730483.9/37

Out: 0.000+/-0.000 χ^2/NDF:10140708.8/42

All: 0.000+/-0.000 χ^2/NDF: 16983783.0/80

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 369.990+/-60.596 χ^2/NDF:27.4/23

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: 343.249+/-43.453 χ^2/NDF: 52.5/45

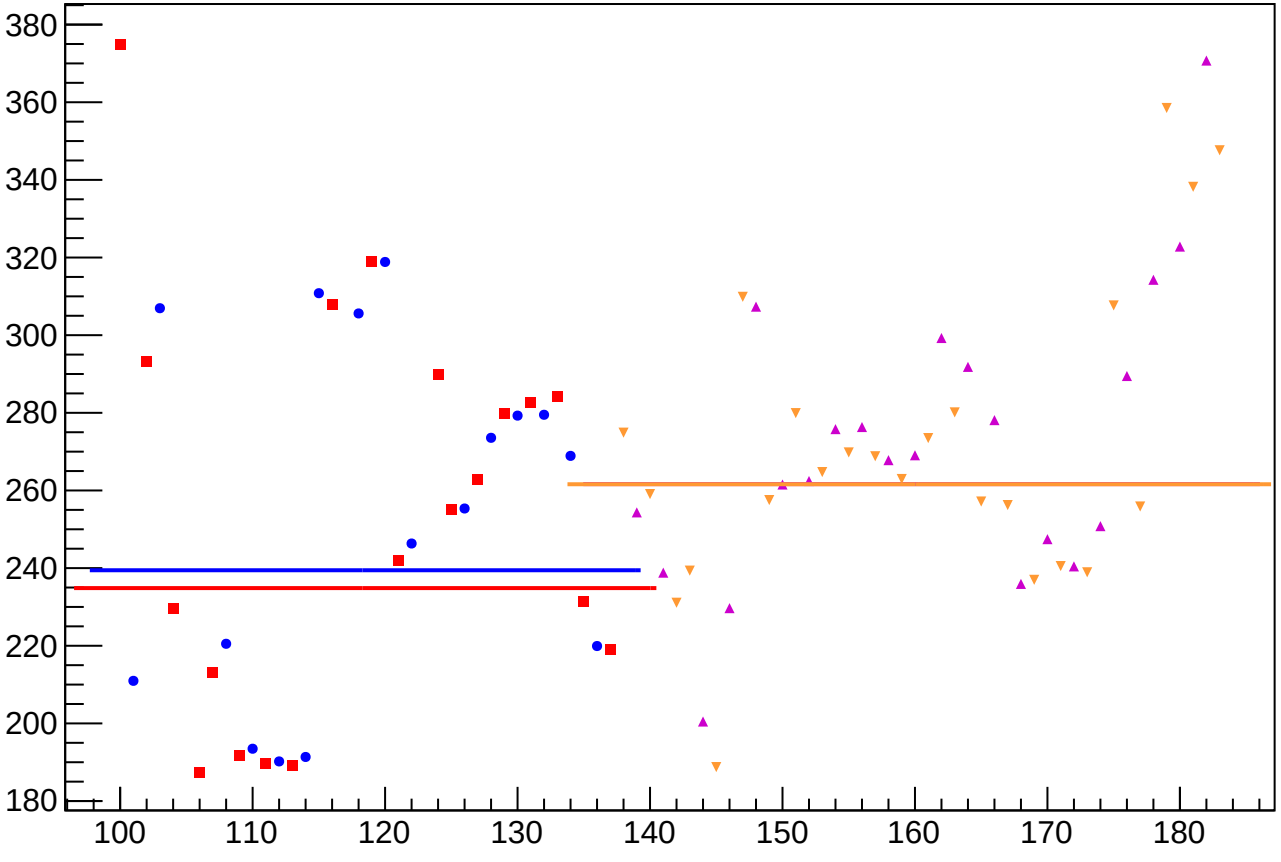
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 201.391+/-51.363 χ^2/NDF:49.5/37

Out: 323.664+/-49.892 χ^2/NDF:40.6/42

All: 264.305+/-35.788 χ^2/NDF: 93.0/80

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 261.602+/-0.043 χ^2/NDF:714817.2/23

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 261.641+/-0.044 χ^2/NDF:605032.1/21

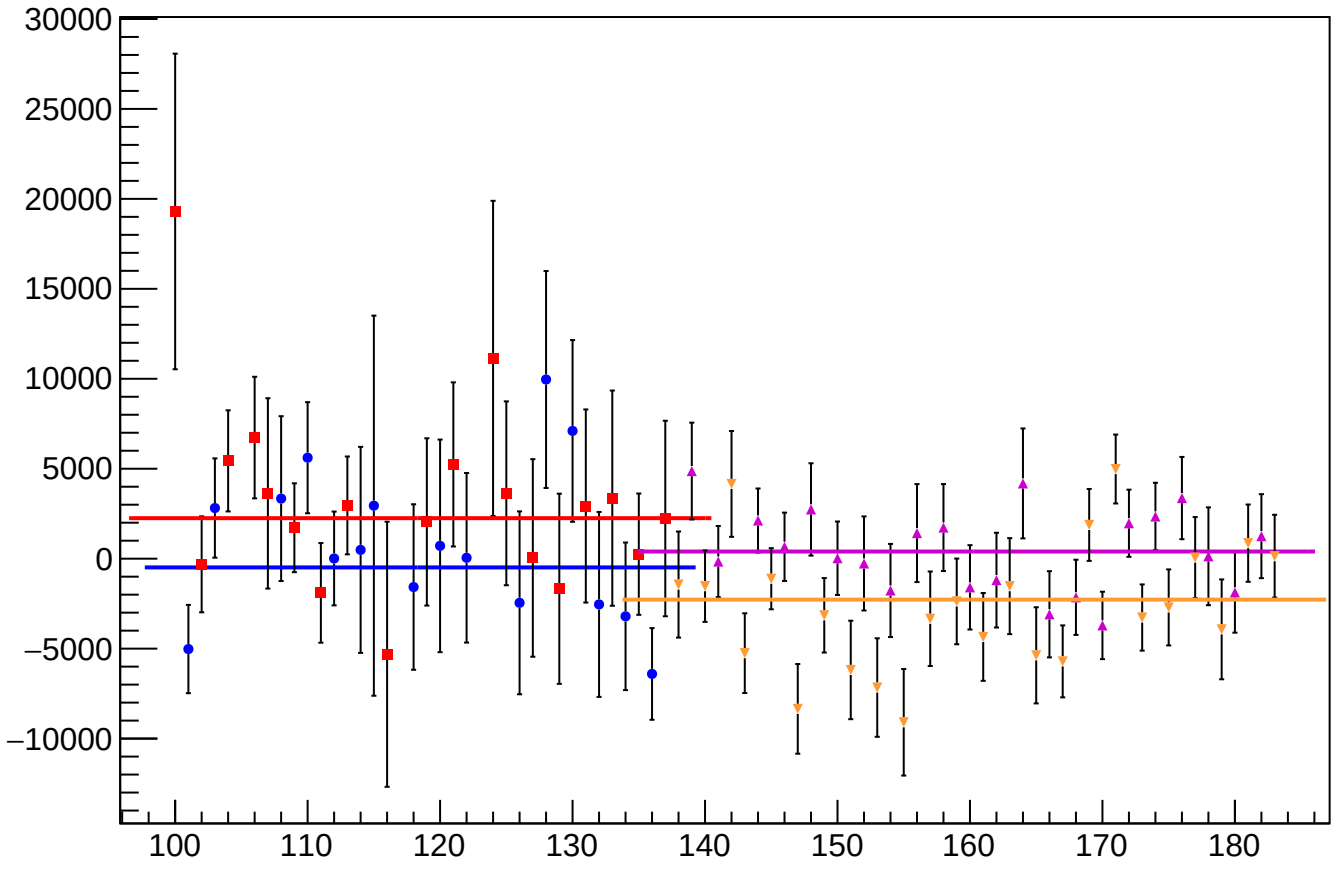
Left: 261.621+/-0.031 χ^2/NDF: 1319849.6/45

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 254.512+/-0.036 χ^2/NDF:1087401.8/37

Out: 252.987+/-0.035 χ^2/NDF:1322051.6/42

All: 253.727+/-0.025 χ^2/NDF: 2410360.4/80



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2276.013+/-466.050 χ^2/NDF:52.9/23

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 397.849+/-477.620 χ^2/NDF:21.6/21

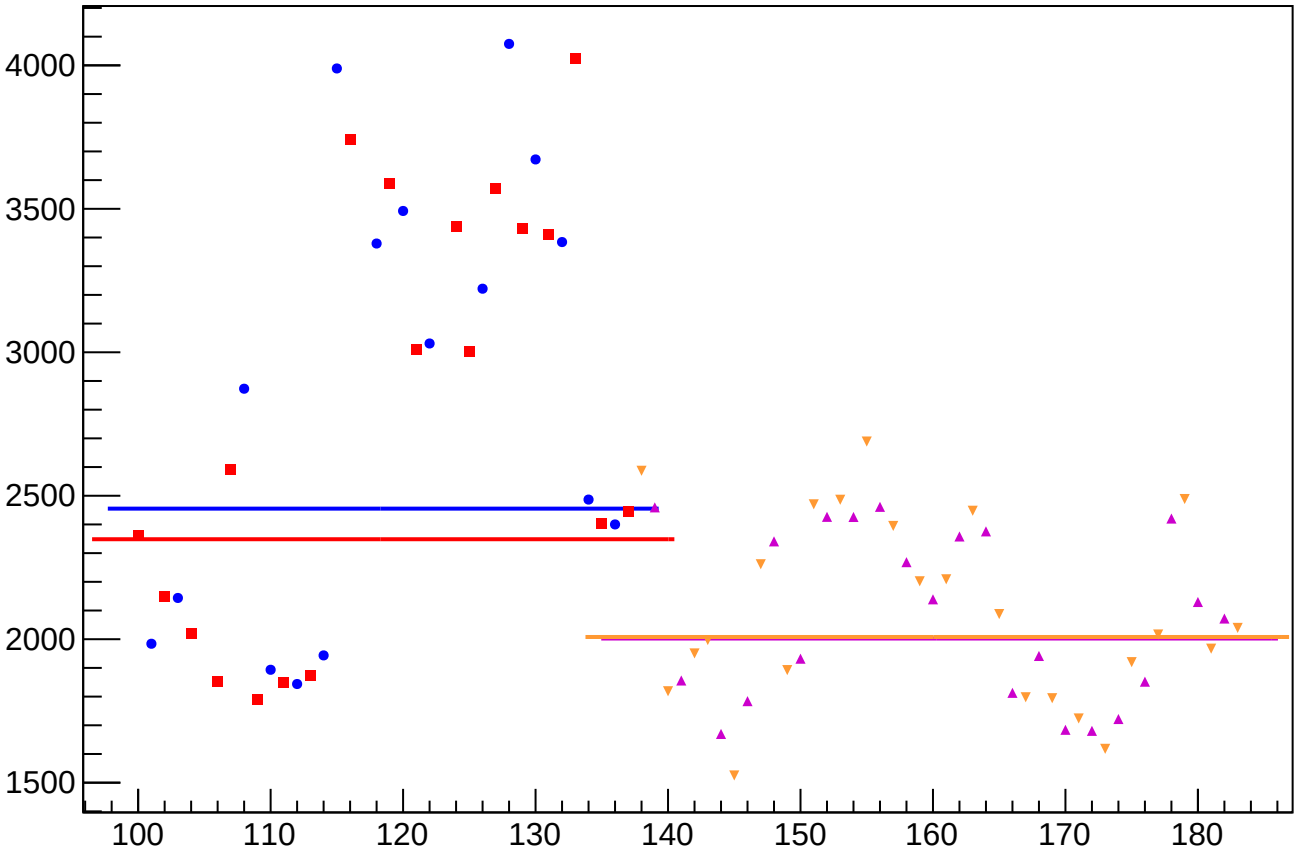
Left: -971.862+/-333.562 χ^2/NDF: 90.5/45

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 218.768+/-426.494 χ^2/NDF:43.4/37

Out: -1308.737+/-413.282 χ^2/NDF:86.9/42

All: -569.009+/-296.795 χ^2/NDF: 136.9/80



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2007.748+/-0.330 χ^2/NDF:877787.2/23

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: 2005.131+/-0.236 χ^2/NDF: 1580778.6/45

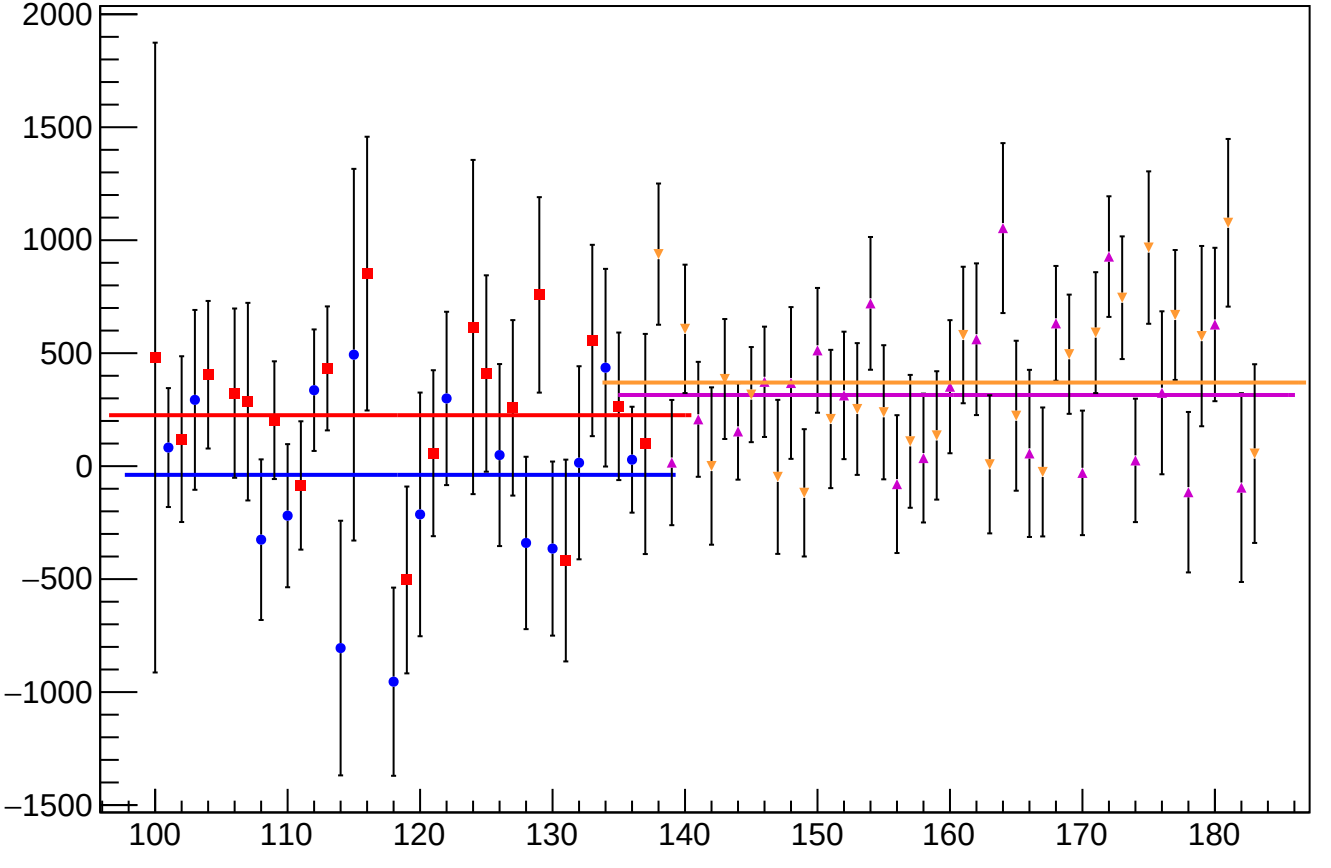
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2094.118+/-0.302 χ^2/NDF:1961357.1/37

Out: 2080.530+/-0.292 χ^2/NDF:2158536.4/42

All: 2087.110+/-0.210 χ^2/NDF: 4120940.6/80

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 370.006+/-60.596 χ^2/NDF:27.4/23

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: 343.260+/-43.453 χ^2/NDF: 52.5/45

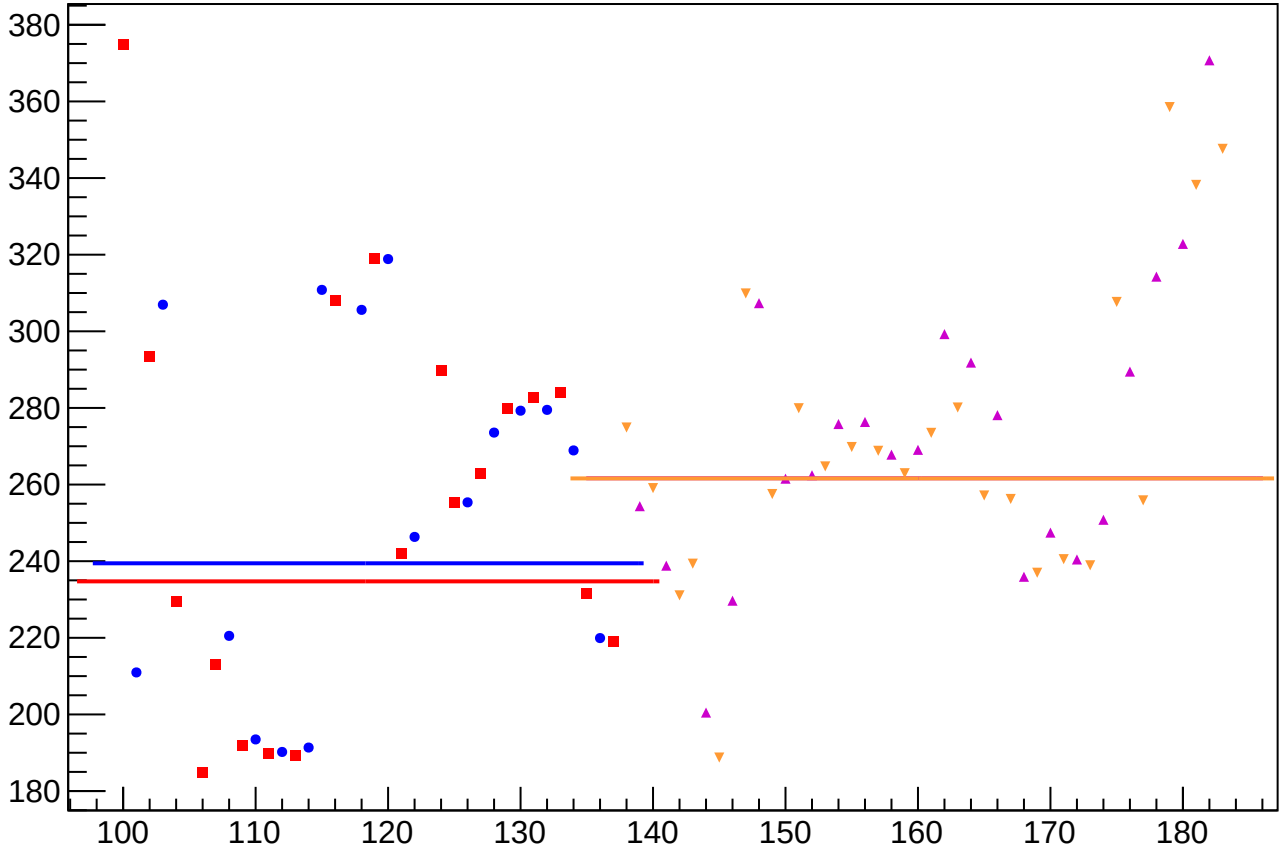
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 201.388+/-51.363 χ^2/NDF:49.5/37

Out: 323.475+/-49.894 χ^2/NDF:40.6/42

All: 264.203+/-35.789 χ^2/NDF: 93.1/80

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 261.602+/-0.043 χ^2/NDF:714817.2/23

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 261.641+/-0.044 χ^2/NDF:605032.1/21

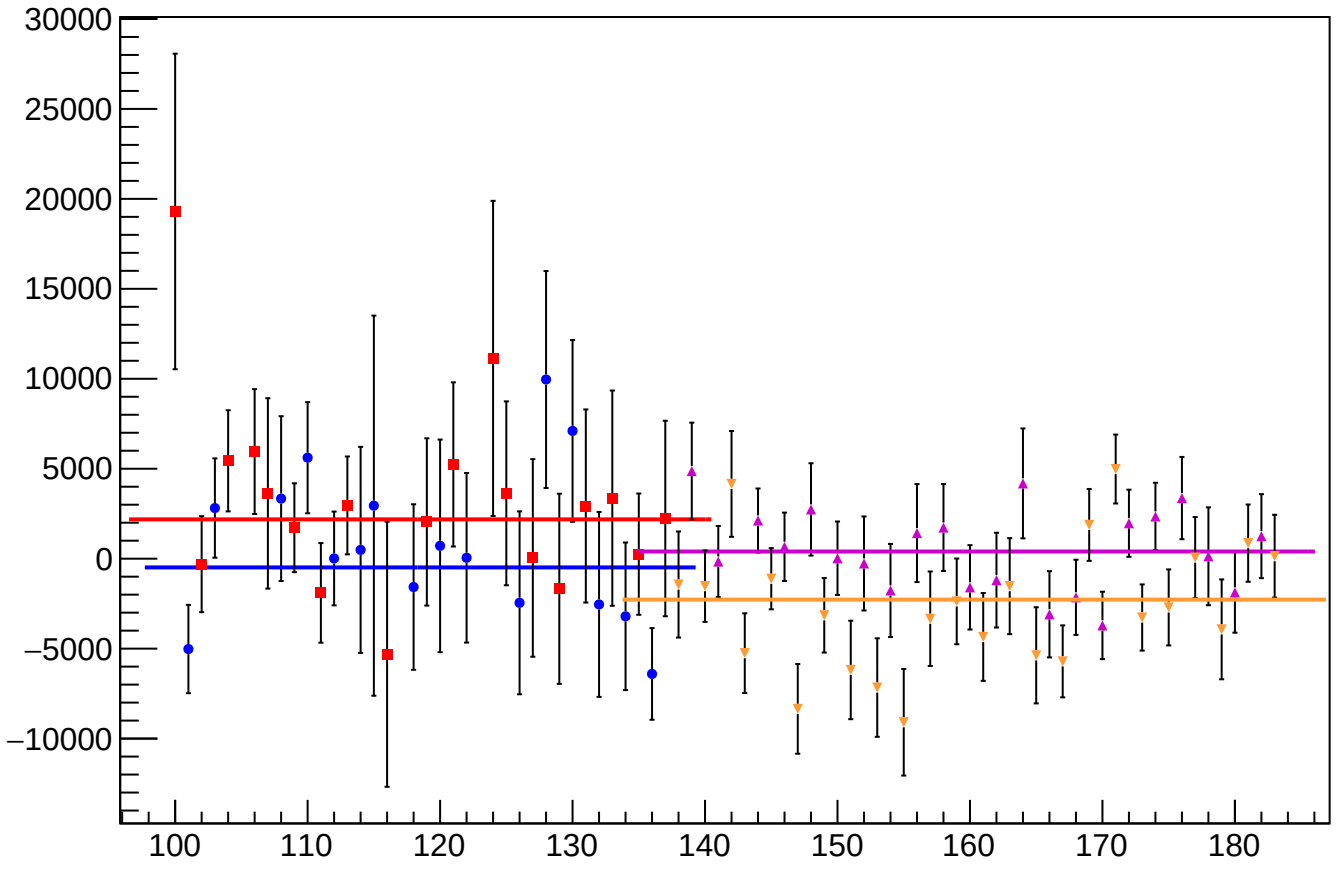
Left: 261.621+/-0.031 χ^2/NDF: 1319849.7/45

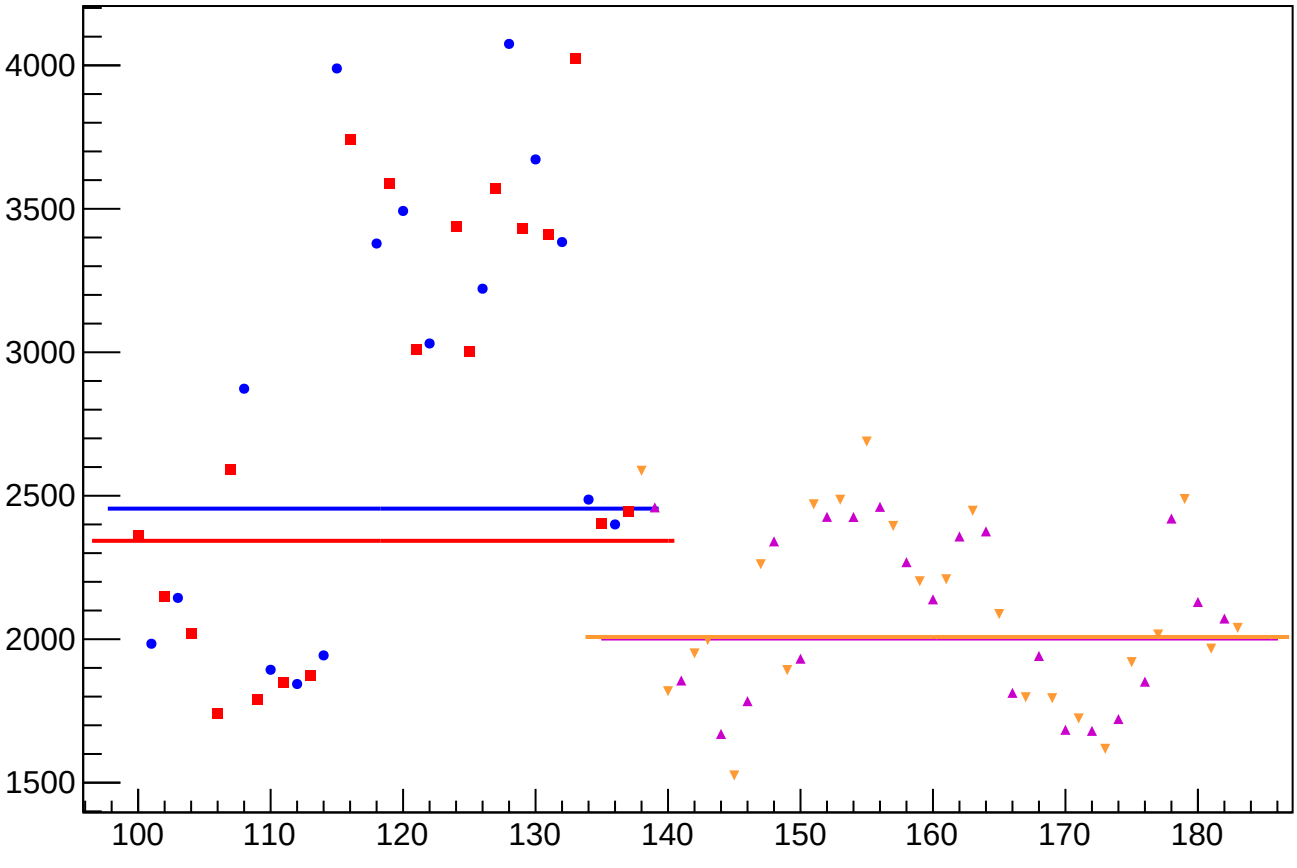
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 254.512+/-0.036 χ^2/NDF:1087403.8/37

Out: 252.949+/-0.035 χ^2/NDF:1326692.9/42

All: 253.708+/-0.025 χ^2/NDF: 2415048.7/80


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: -2275.993+/-466.050 χ²/NDF:52.9/23
Right Out: 2184.834+/-895.863 χ²/NDF: 13.3/18
Left In: 397.856+/-477.620 χ²/NDF:21.6/21
Left: -971.848+/-333.562 χ²/NDF: 90.5/45
Right: 924.081+/-650.950 χ²/NDF: 38.6/34
In: 218.742+/-426.494 χ²/NDF:43.4/37
Out: -1325.877+/-413.449 χ²/NDF:85.6/42
All: -577.552+/-296.857 χ²/NDF: 135.8/80



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2007.748+/-0.330 χ^2/NDF:877787.8/23

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: 2005.132+/-0.236 χ^2/NDF: 1580779.9/45

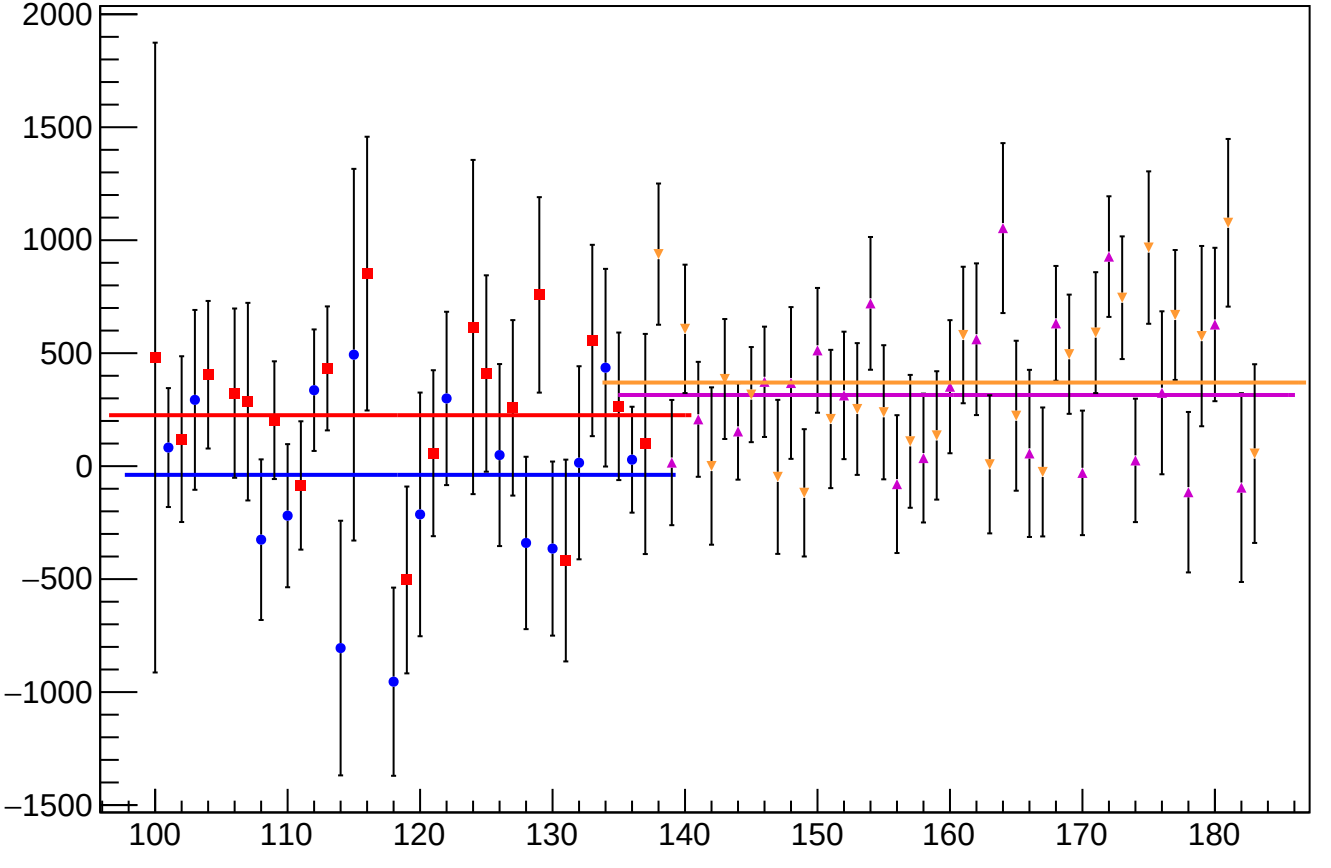
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2094.122+/-0.302 χ^2/NDF:1961359.9/37

Out: 2079.144+/-0.292 χ^2/NDF:2168546.9/42

All: 2086.400+/-0.210 χ^2/NDF: 4131178.5/80

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 370.006+/-60.596 χ^2/NDF:27.4/23

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 314.948+/-62.346 χ^2/NDF:24.7/21

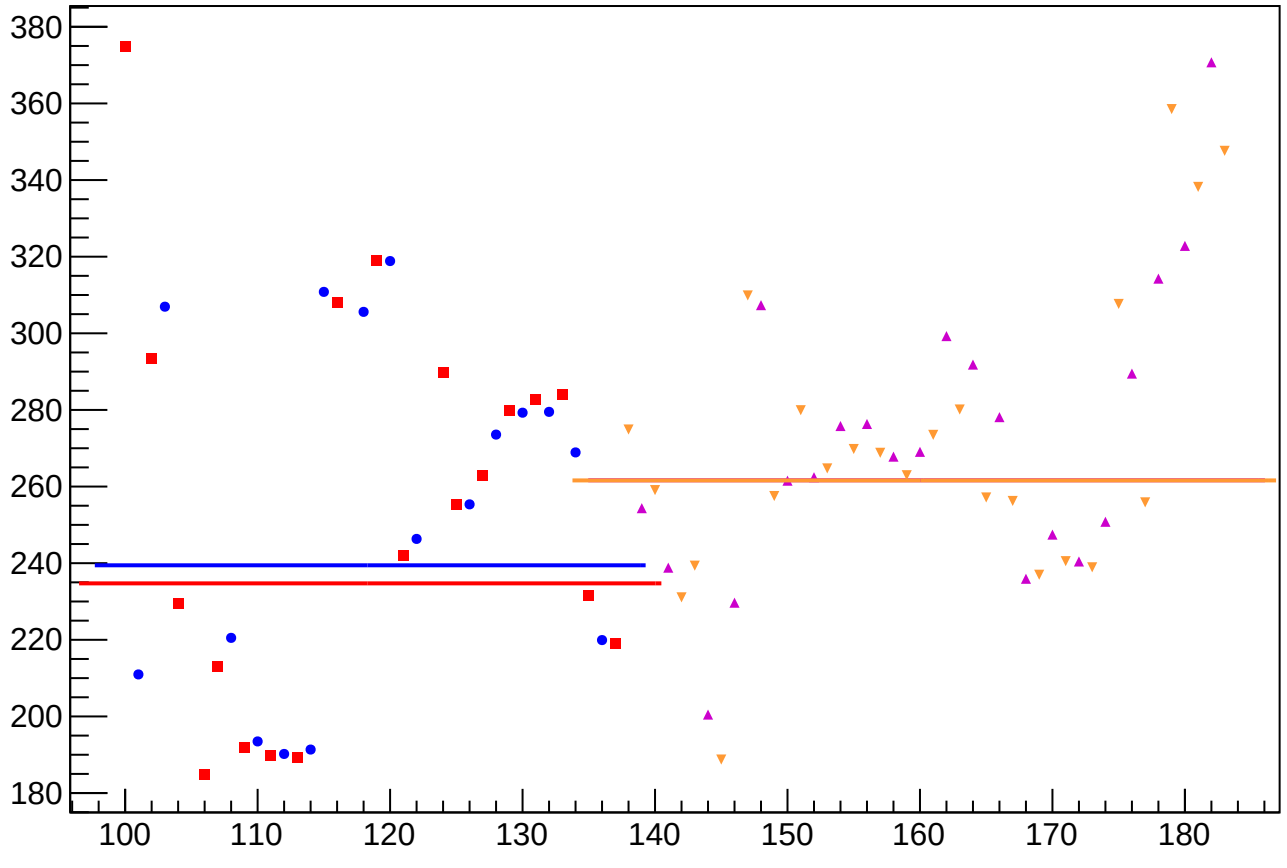
Left: 343.260+/-43.453 χ^2/NDF: 52.5/45

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 201.388+/-51.363 χ^2/NDF:49.5/37

Out: 323.475+/-49.894 χ^2/NDF:40.6/42

All: 264.203+/-35.789 χ^2/NDF: 93.1/80



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 261.602+/-0.043 χ^2/NDF:714817.2/23

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: 261.621+/-0.031 χ^2/NDF: 1319849.7/45

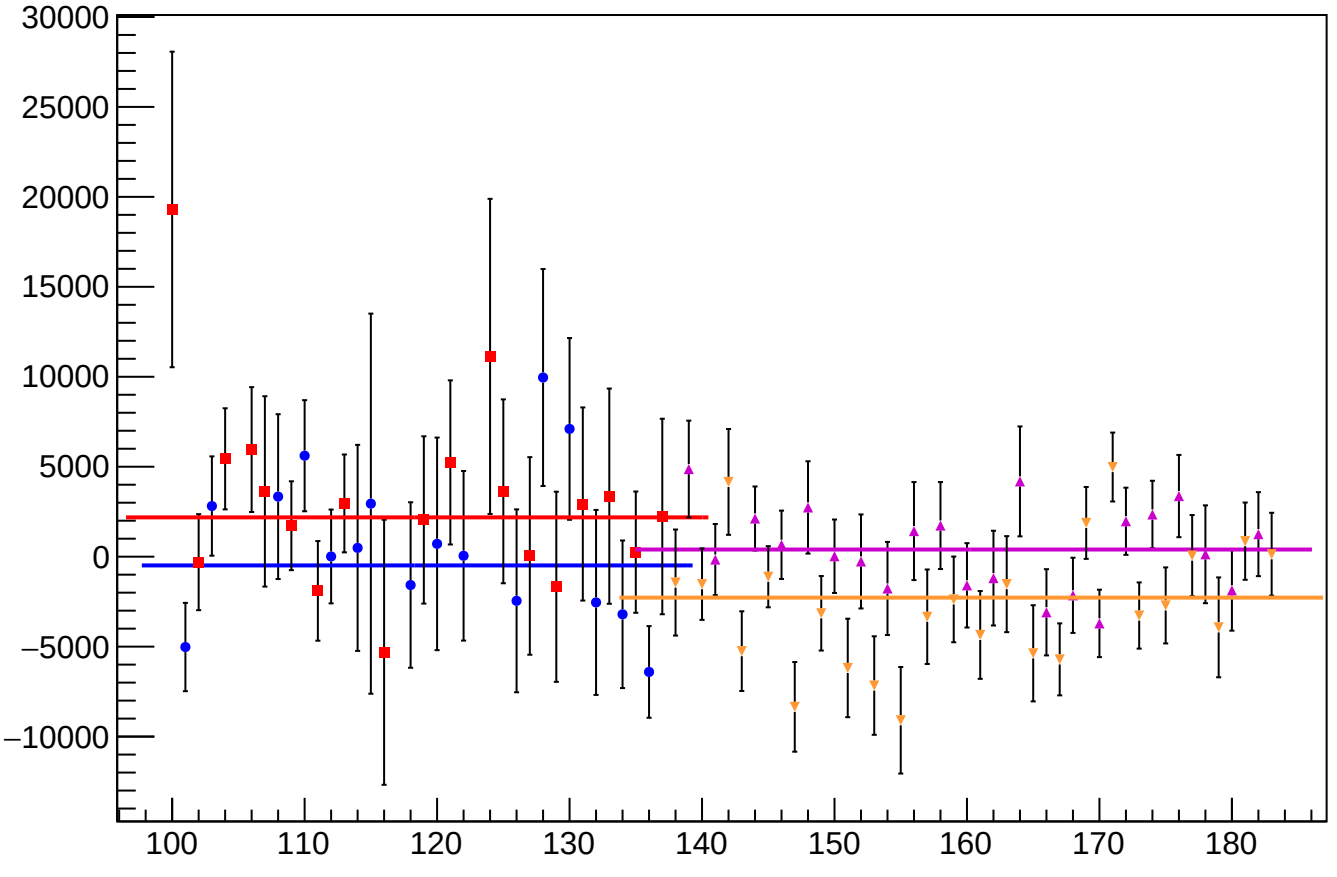
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 254.512+/-0.036 χ^2/NDF:1087403.8/37

Out: 252.949+/-0.035 χ^2/NDF:1326692.9/42

All: 253.708+/-0.025 χ^2/NDF: 2415048.7/80

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2275.993+/-466.050 χ^2/NDF:52.9/23

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 397.856+/-477.620 χ^2/NDF:21.6/21

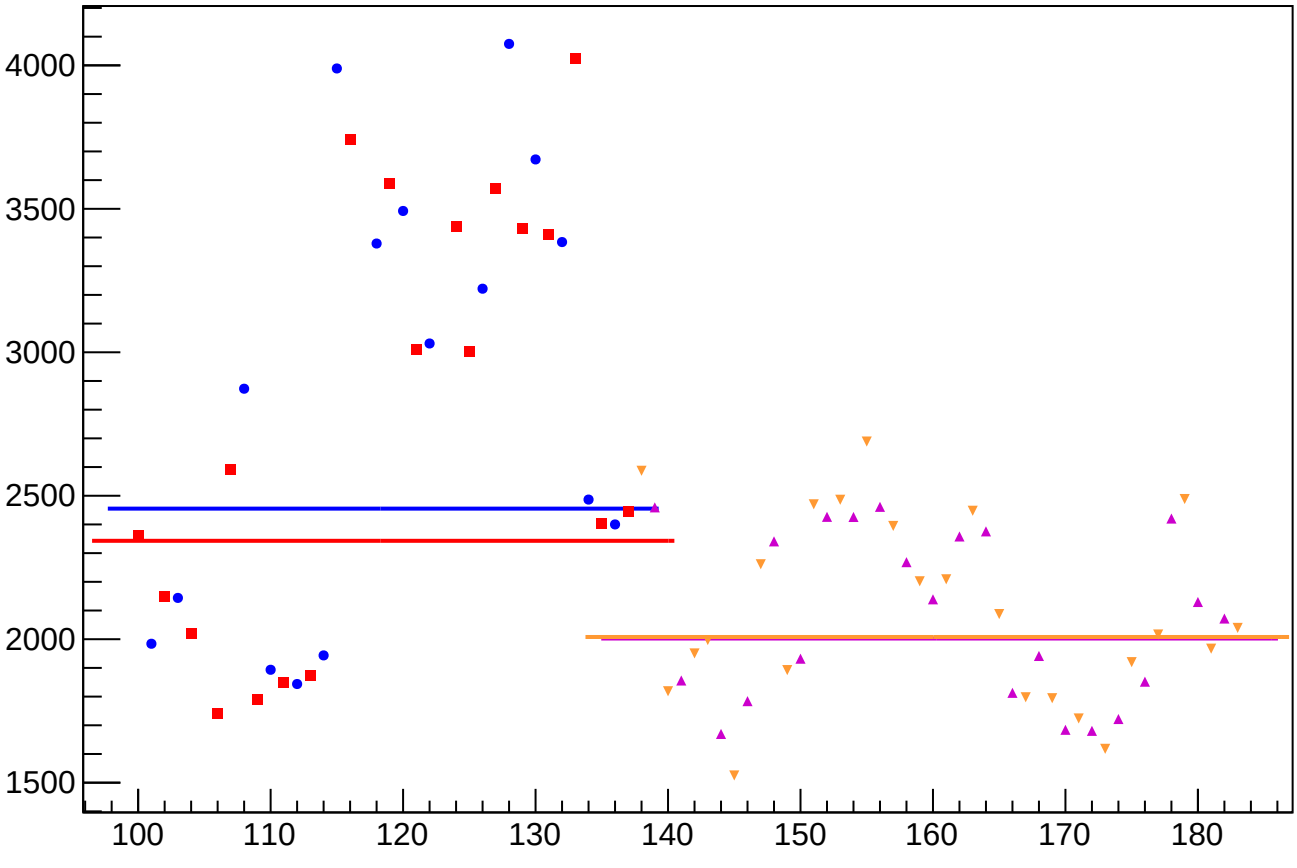
Left: -971.848+/-333.562 χ^2/NDF: 90.5/45

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 218.742+/-426.494 χ^2/NDF:43.4/37

Out: -1325.877+/-413.449 χ^2/NDF:85.6/42

All: -577.552+/-296.857 χ^2/NDF: 135.8/80



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2007.748+/-0.330 χ^2/NDF:877787.8/23

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: 2005.132+/-0.236 χ^2/NDF: 1580779.9/45

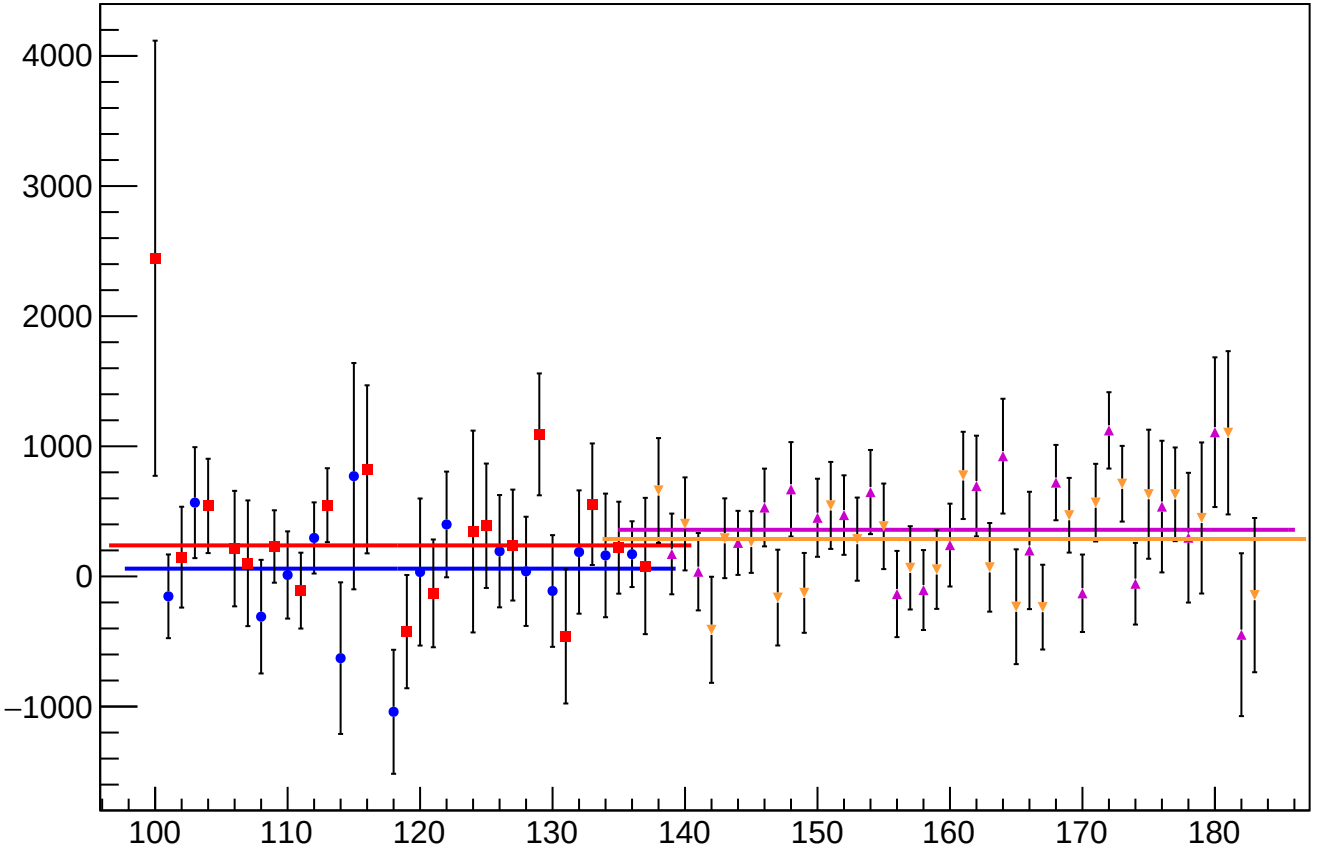
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2094.122+/-0.302 χ^2/NDF:1961359.9/37

Out: 2079.144+/-0.292 χ^2/NDF:2168546.9/42

All: 2086.400+/-0.210 χ^2/NDF: 4131178.5/80

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 287.747+/-70.273 χ^2/NDF:22.6/23

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: 322.252+/-50.273 χ^2/NDF: 50.3/45

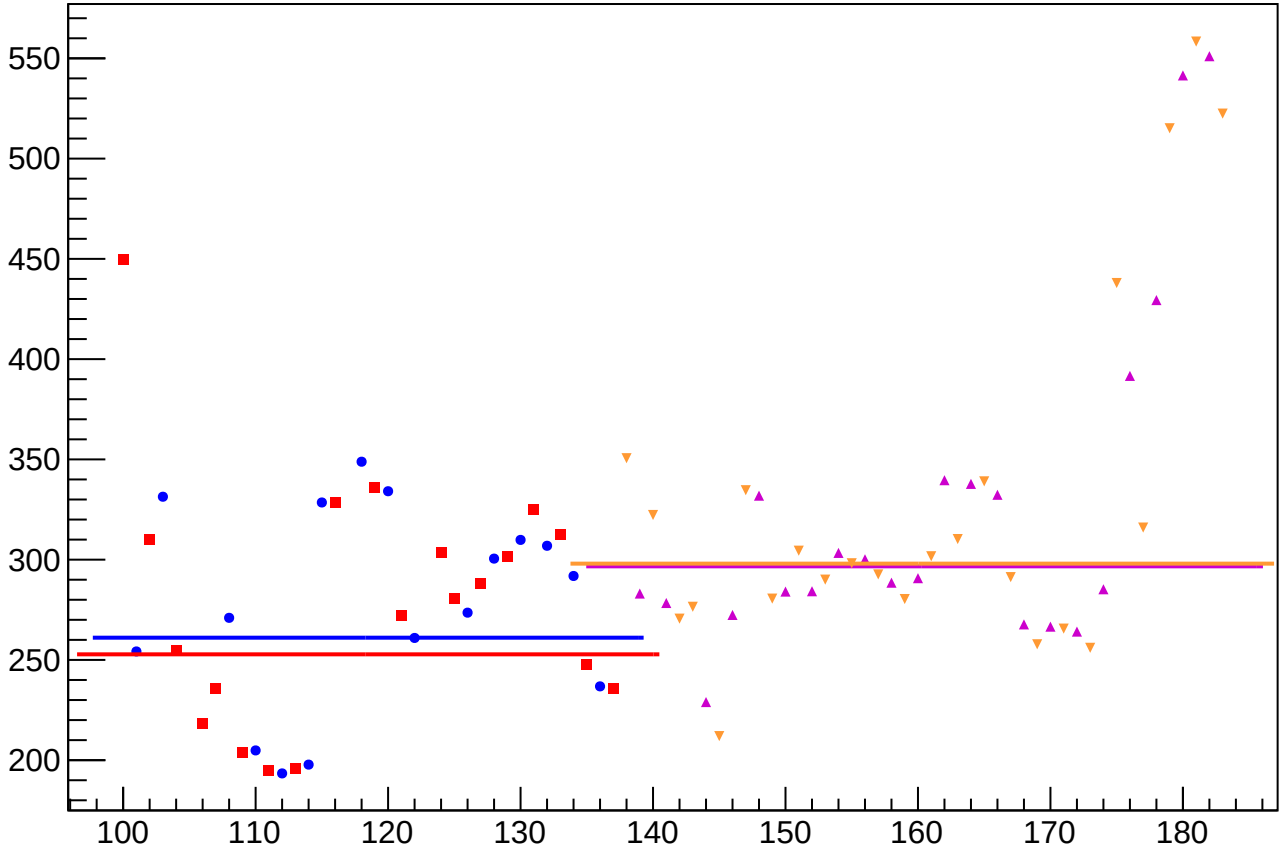
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 255.498+/-58.249 χ^2/NDF:45.2/37

Out: 270.351+/-56.509 χ^2/NDF:37.7/42

All: 263.149+/-40.559 χ^2/NDF: 82.9/80

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 298.016+/-0.050 χ^2/NDF:1561843.1/23

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 296.670+/-0.051 χ^2/NDF:1231936.2/21

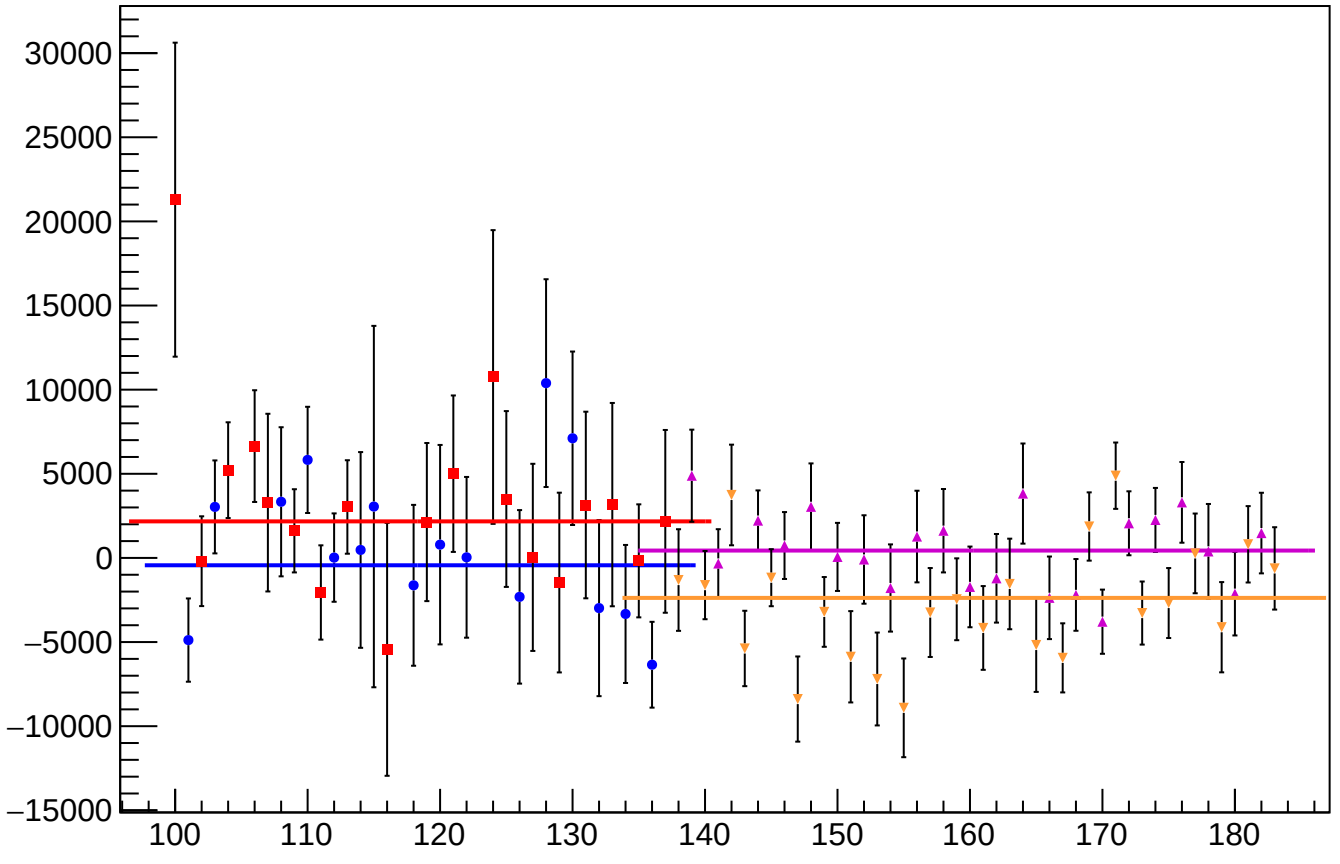
Left: 297.359+/-0.036 χ^2/NDF: 2794138.0/45

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 284.409+/-0.041 χ^2/NDF:1863135.3/37

Out: 282.034+/-0.040 χ^2/NDF:2391897.6/42

All: 283.186+/-0.029 χ^2/NDF: 4256745.6/80



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2375.609+/-473.721 χ^2/NDF:49.3/23

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 437.884+/-487.637 χ^2/NDF:20.5/21

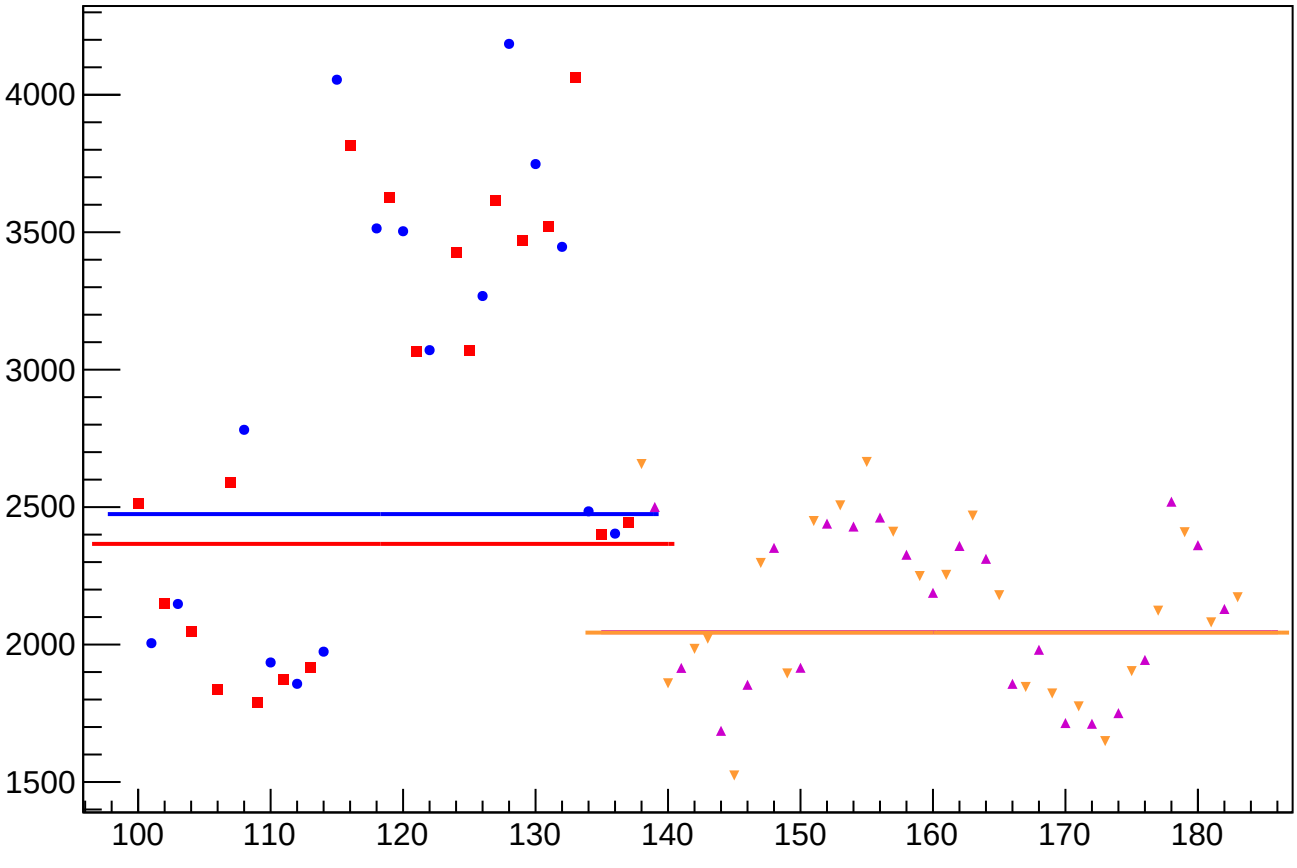
Left: -1009.580+/-339.785 χ^2/NDF: 87.0/45

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 257.047+/-434.309 χ^2/NDF:42.4/37

Out: -1390.893+/-419.308 χ^2/NDF:83.3/42

All: -595.873+/-301.659 χ^2/NDF: 133.1/80



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2043.479+/-0.335 χ^2/NDF:853344.3/23

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2045.010+/-0.345 χ^2/NDF:690205.3/21

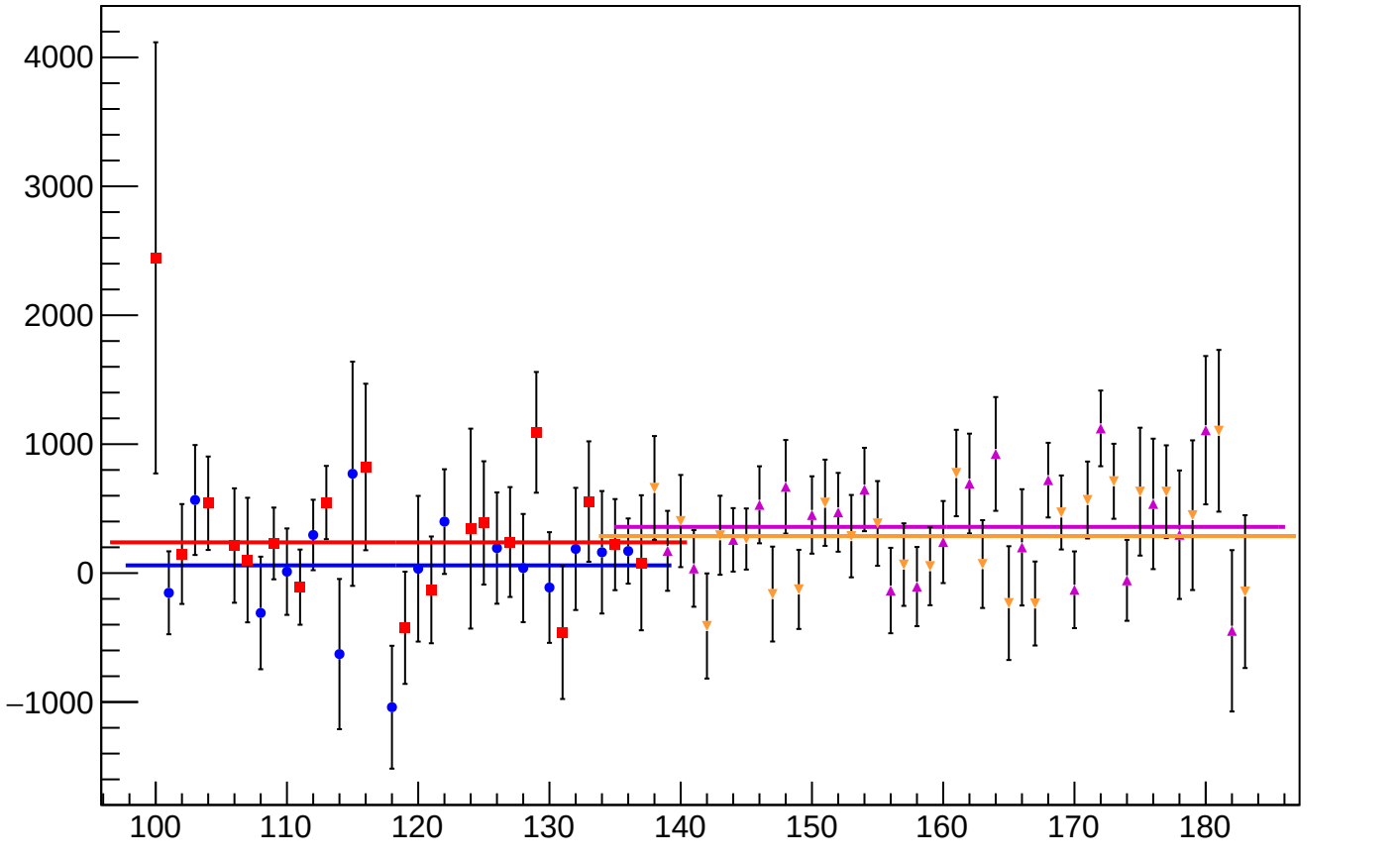
Left: 2044.222+/-0.240 χ^2/NDF: 1543559.8/45

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

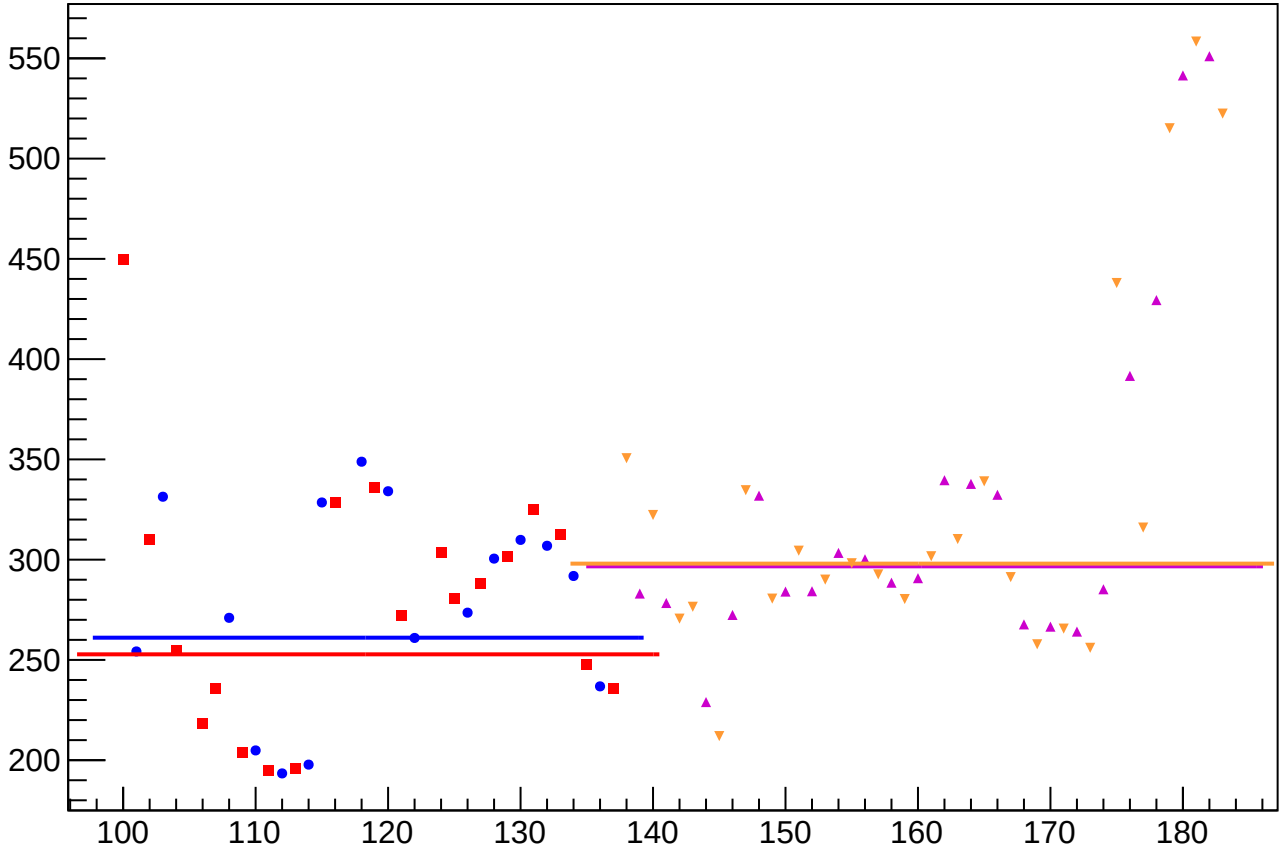
In: 2133.837+/-0.307 χ^2/NDF:1927421.0/37

Out: 2113.362+/-0.296 χ^2/NDF:2131529.1/42

All: 2123.240+/-0.213 χ^2/NDF: 4061250.7/80


eigen_dit_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
100
110
120
130
140
150
160
170
180
Right In: 59.734+/-99.230 χ²/NDF: 12.0/15
Left Out: 287.752+/-70.273 χ²/NDF:22.6/23
Right Out: 238.515+/-95.062 χ²/NDF: 14.9/18
Left In: 358.424+/-71.950 χ²/NDF:27.2/21
Left: 322.254+/-50.273 χ²/NDF: 50.3/45
Right: 152.957+/-68.645 χ²/NDF: 28.6/34
In: 255.500+/-58.249 χ²/NDF:45.2/37
Out: 270.354+/-56.509 χ²/NDF:37.7/42
All: 263.152+/-40.559 χ²/NDF: 82.9/80

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 298.017+/-0.050 χ^2/NDF:1561842.6/23

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 296.670+/-0.051 χ^2/NDF:1231916.9/21

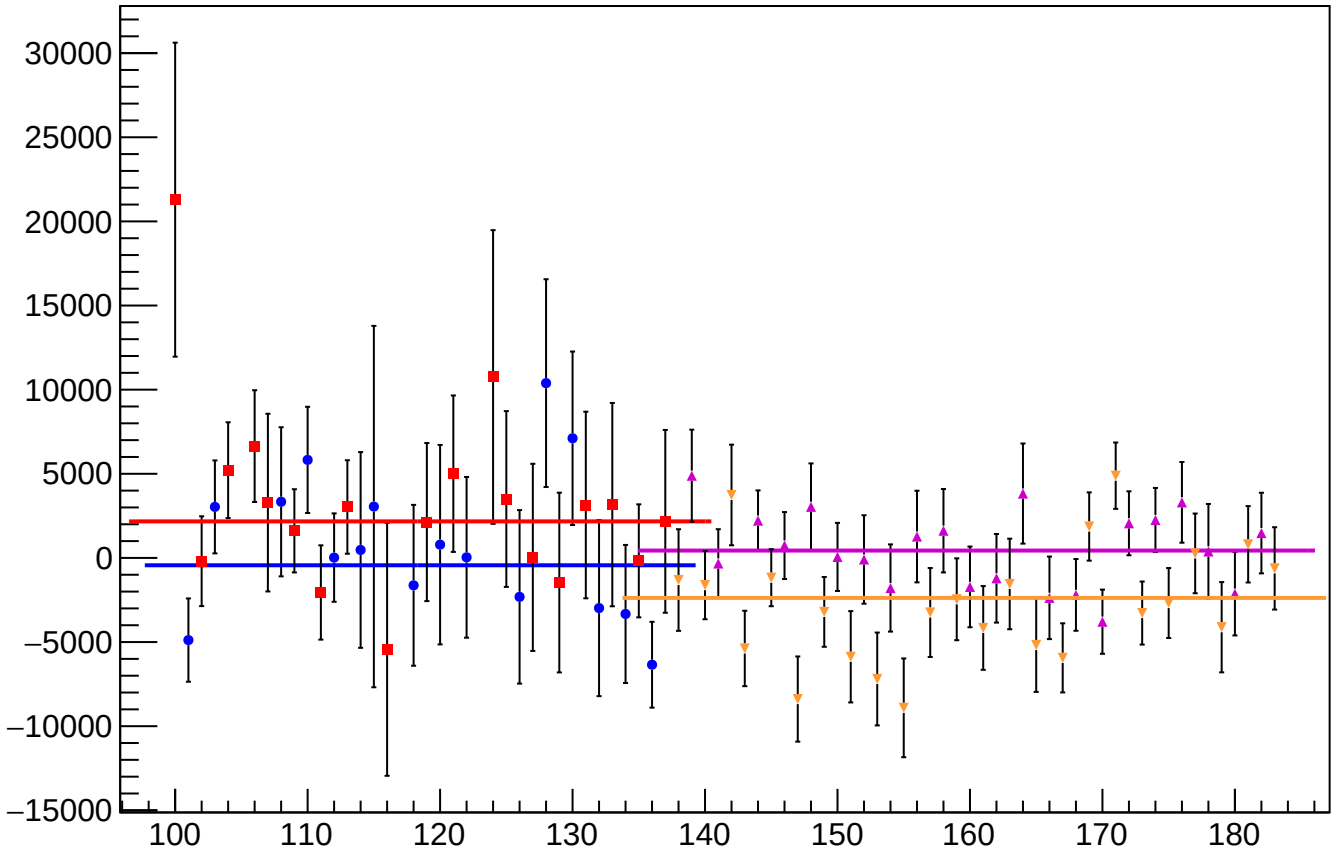
Left: 297.359+/-0.036 χ^2/NDF: 2794118.2/45

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 284.409+/-0.041 χ^2/NDF:1863120.8/37

Out: 282.034+/-0.040 χ^2/NDF:2391904.4/42

All: 283.186+/-0.029 χ^2/NDF: 4256737.9/80



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2375.603+/-473.720 χ^2/NDF:49.3/23

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 437.881+/-487.636 χ^2/NDF:20.5/21

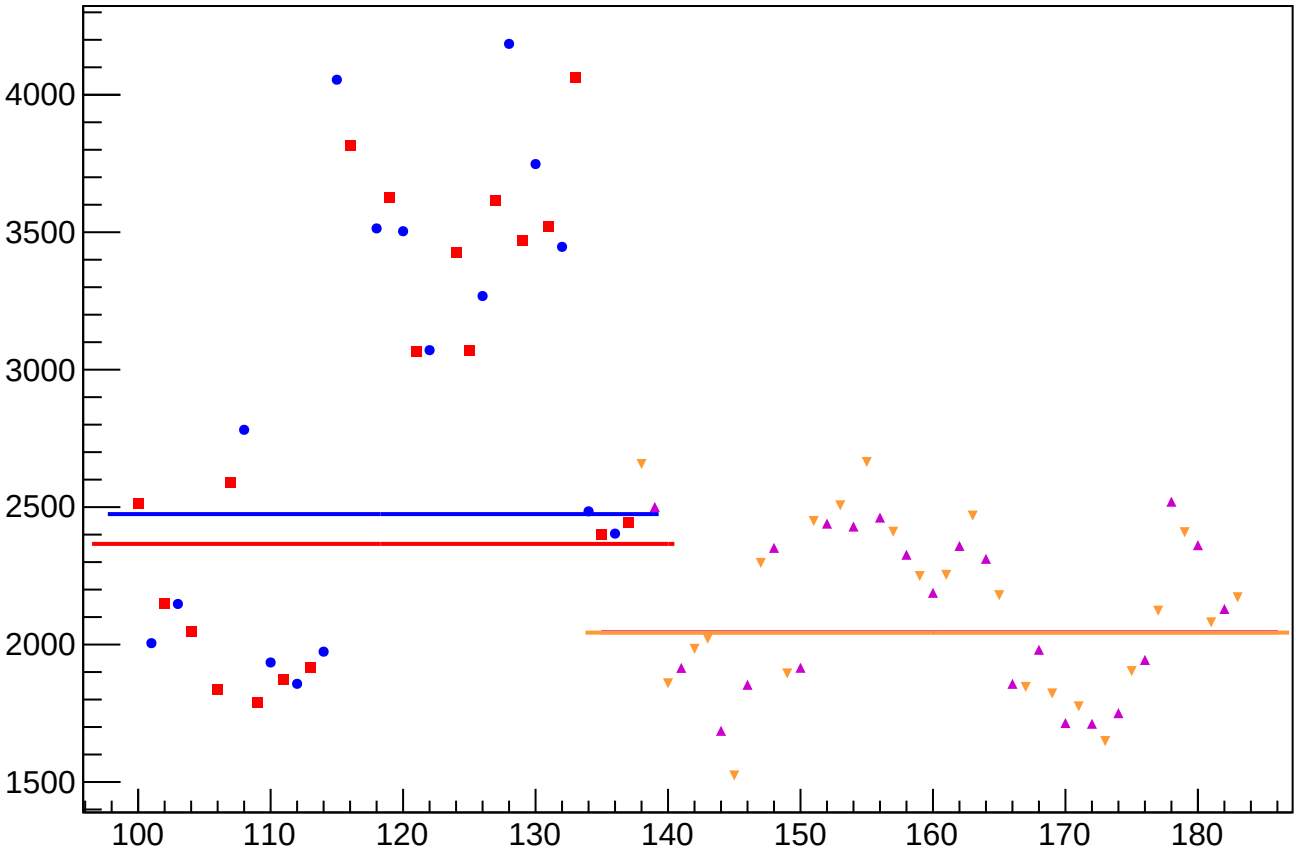
Left: -1009.579+/-339.784 χ^2/NDF: 87.0/45

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 257.046+/-434.308 χ^2/NDF:42.4/37

Out: -1390.890+/-419.308 χ^2/NDF:83.3/42

All: -595.872+/-301.659 χ^2/NDF: 133.1/80



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2043.476+/-0.335 χ^2/NDF:853346.6/23

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: 2044.219+/-0.240 χ^2/NDF: 1543560.6/45

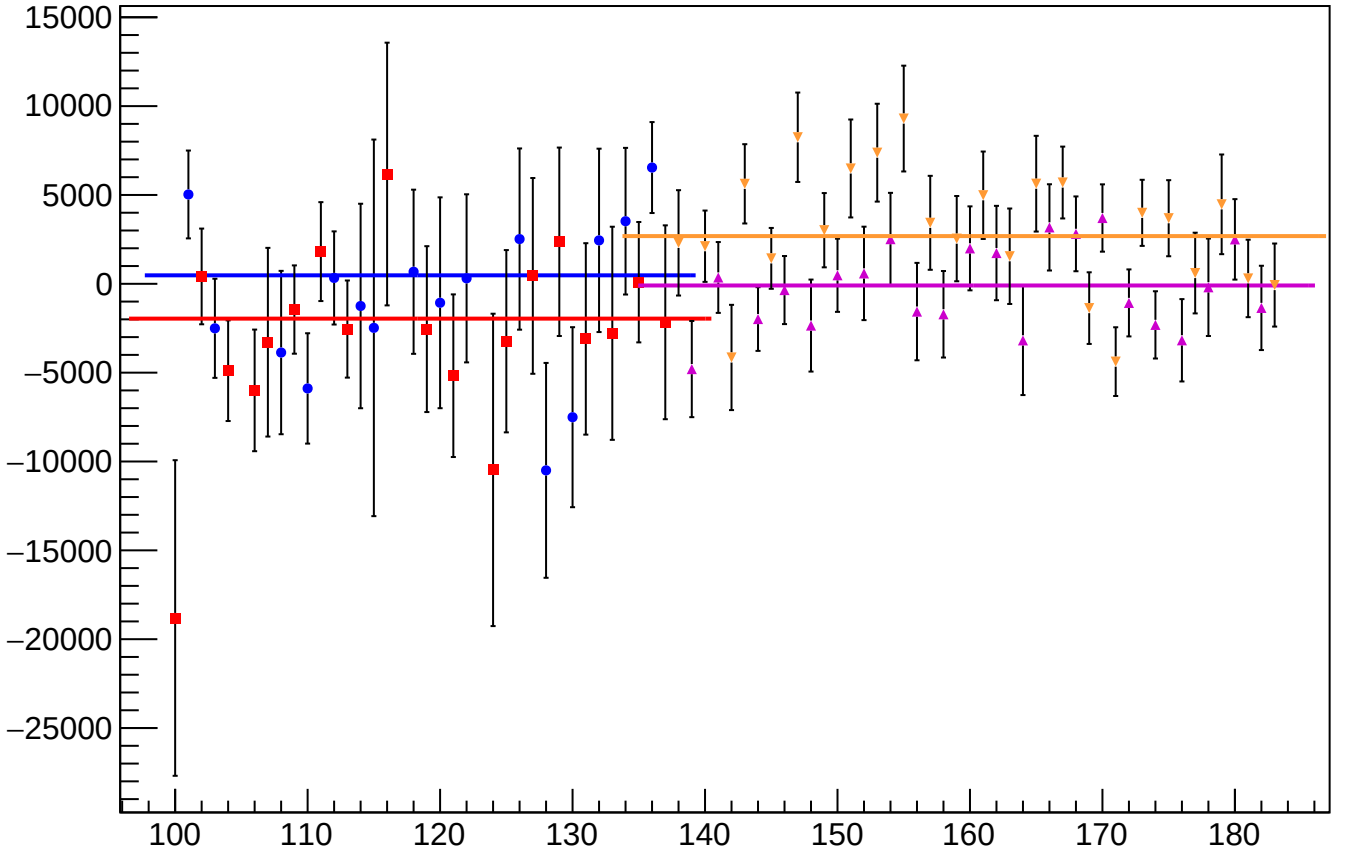
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2133.835+/-0.307 χ^2/NDF:1927425.0/37

Out: 2113.359+/-0.296 χ^2/NDF:2131535.8/42

All: 2123.237+/-0.213 χ^2/NDF: 4061261.5/80

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2685.201+/-470.372 χ^2/NDF:48.8/23

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: 1329.652+/-336.649 χ^2/NDF: 87.7/45

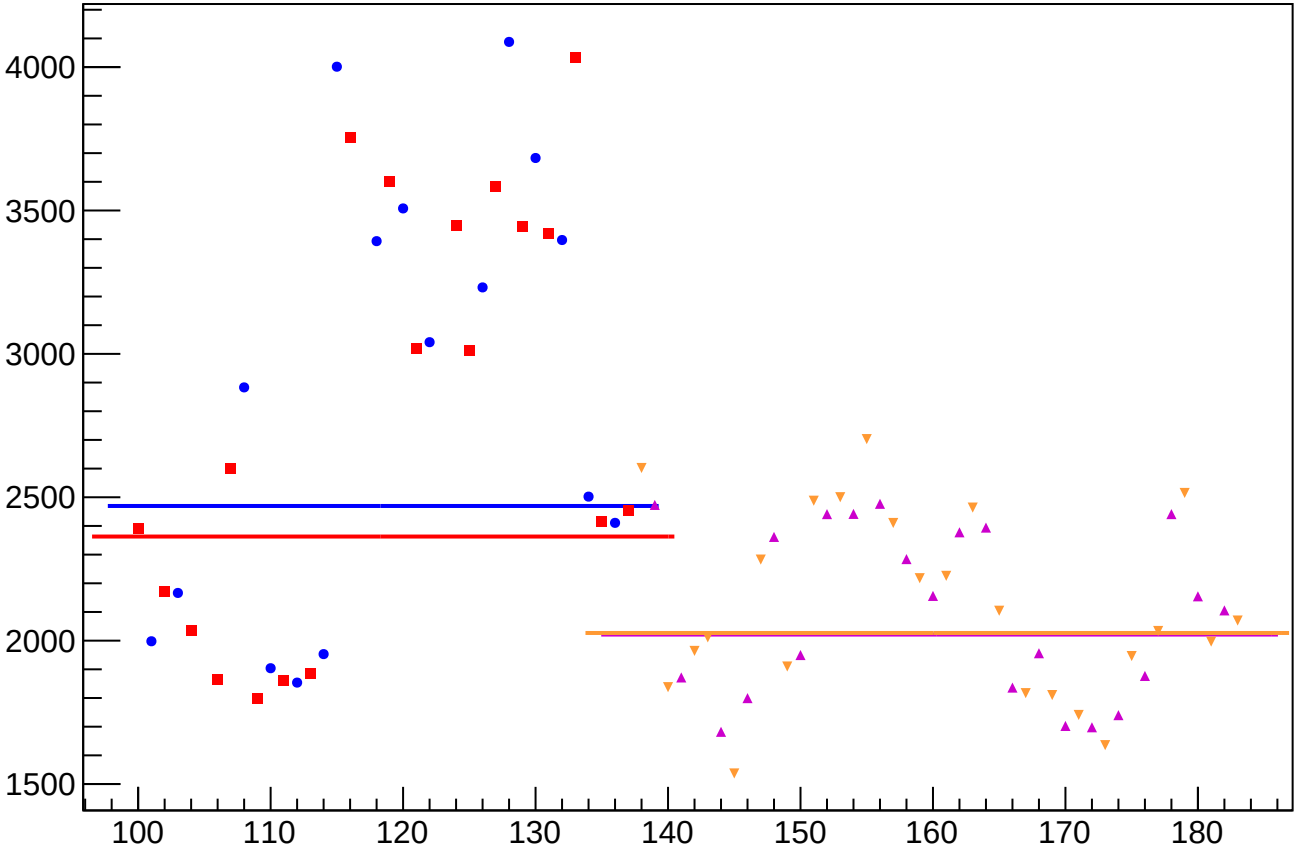
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: 22.504+/-430.113 χ^2/NDF:44.3/37

Out: 1688.184+/-416.842 χ^2/NDF:82.6/42

All: 881.437+/-299.334 χ^2/NDF: 134.6/80

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2026.776+/-0.333 χ^2/NDF:866725.6/23

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2021.199+/-0.341 χ^2/NDF:693479.8/21

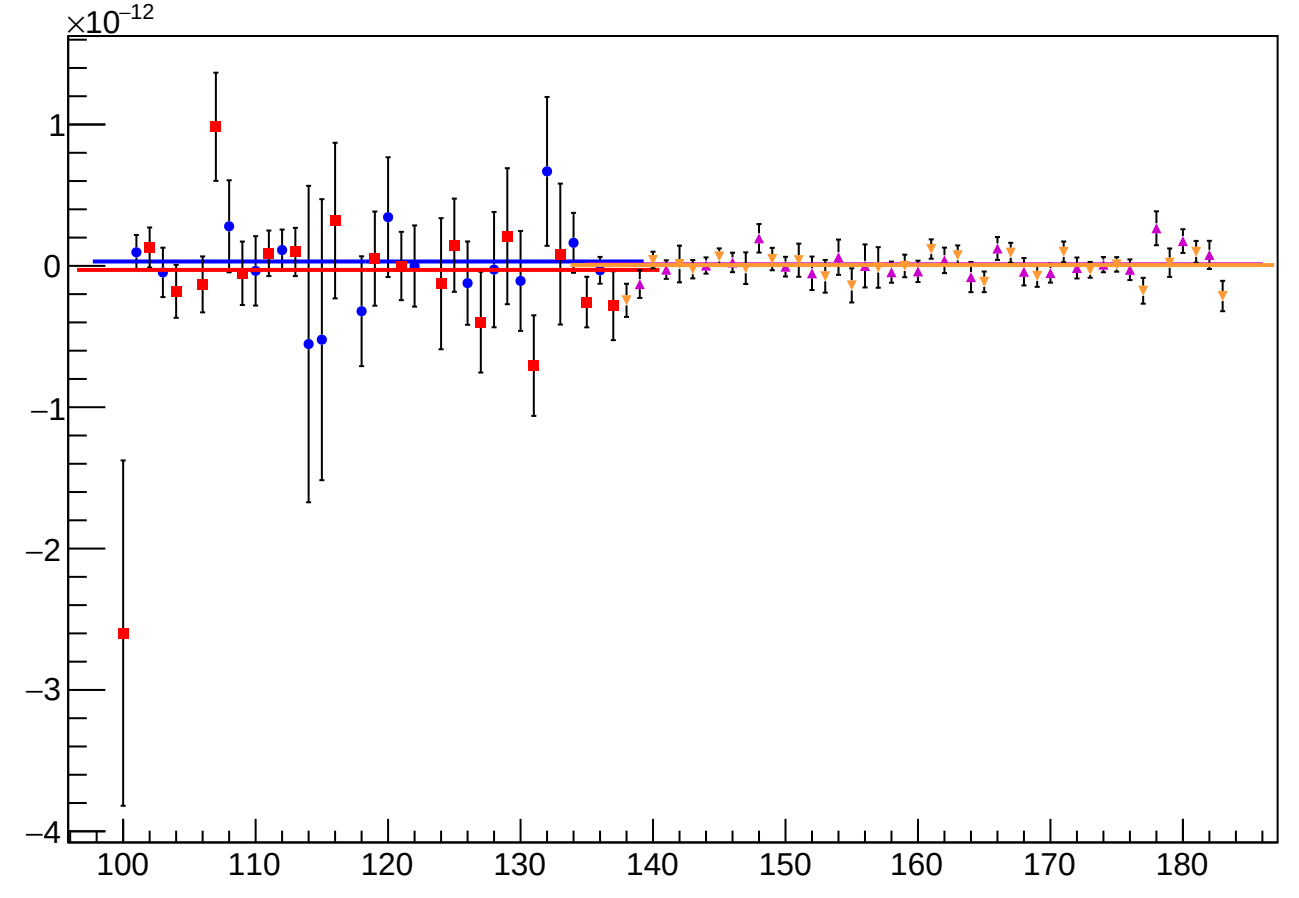
Left: 2024.056+/-0.238 χ^2/NDF: 1560342.5/45

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2112.591+/-0.304 χ^2/NDF:1932436.4/37

Out: 2098.960+/-0.295 χ^2/NDF:2129494.2/42

All: 2105.562+/-0.212 χ^2/NDF: 4062966.3/80



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:20.3/21

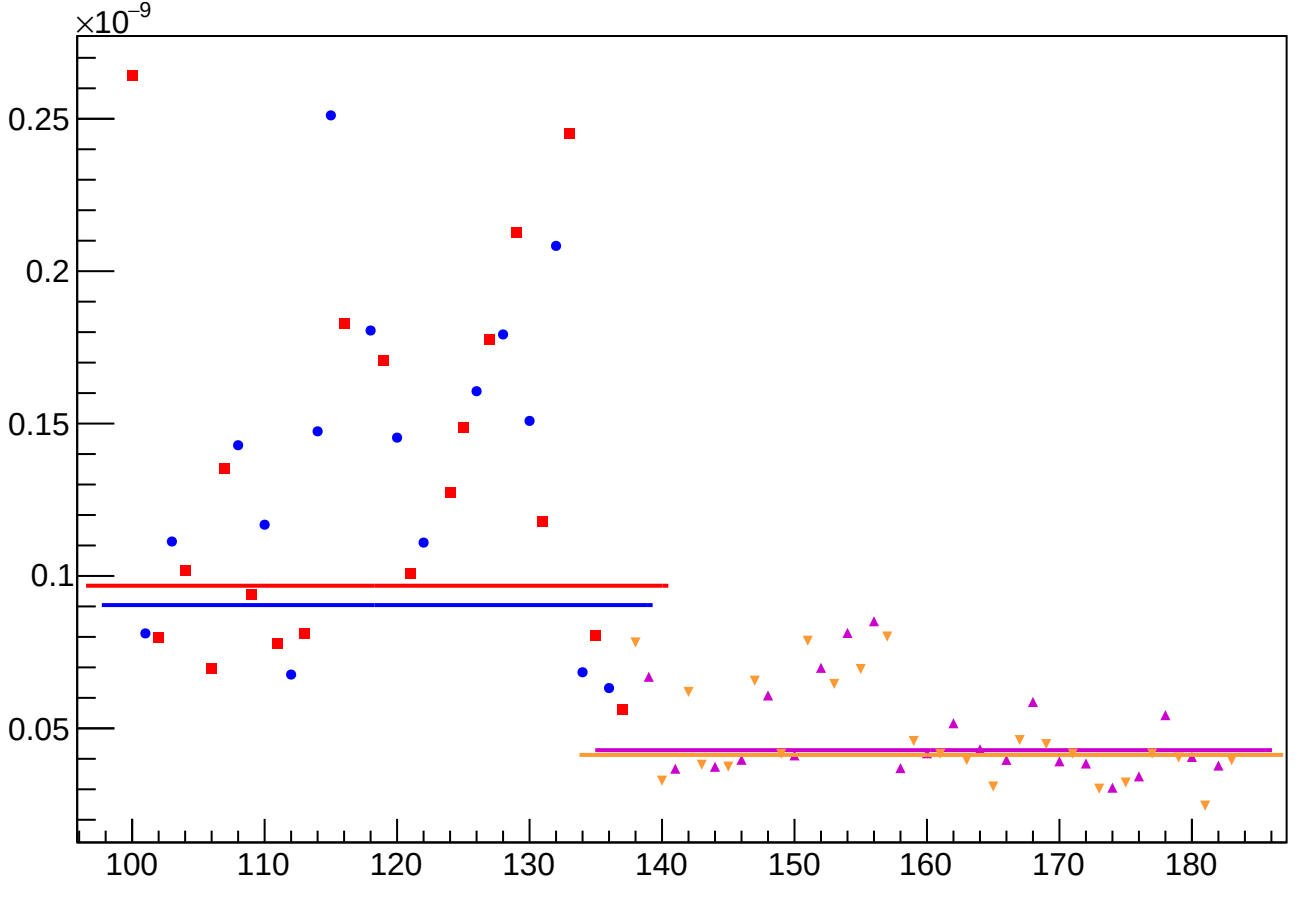
Left: 0.000+/-0.000 χ^2/NDF: 49.4/45

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:52.6/42

All: 0.000+/-0.000 χ^2/NDF: 79.4/80



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1235492.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:931326.0/21

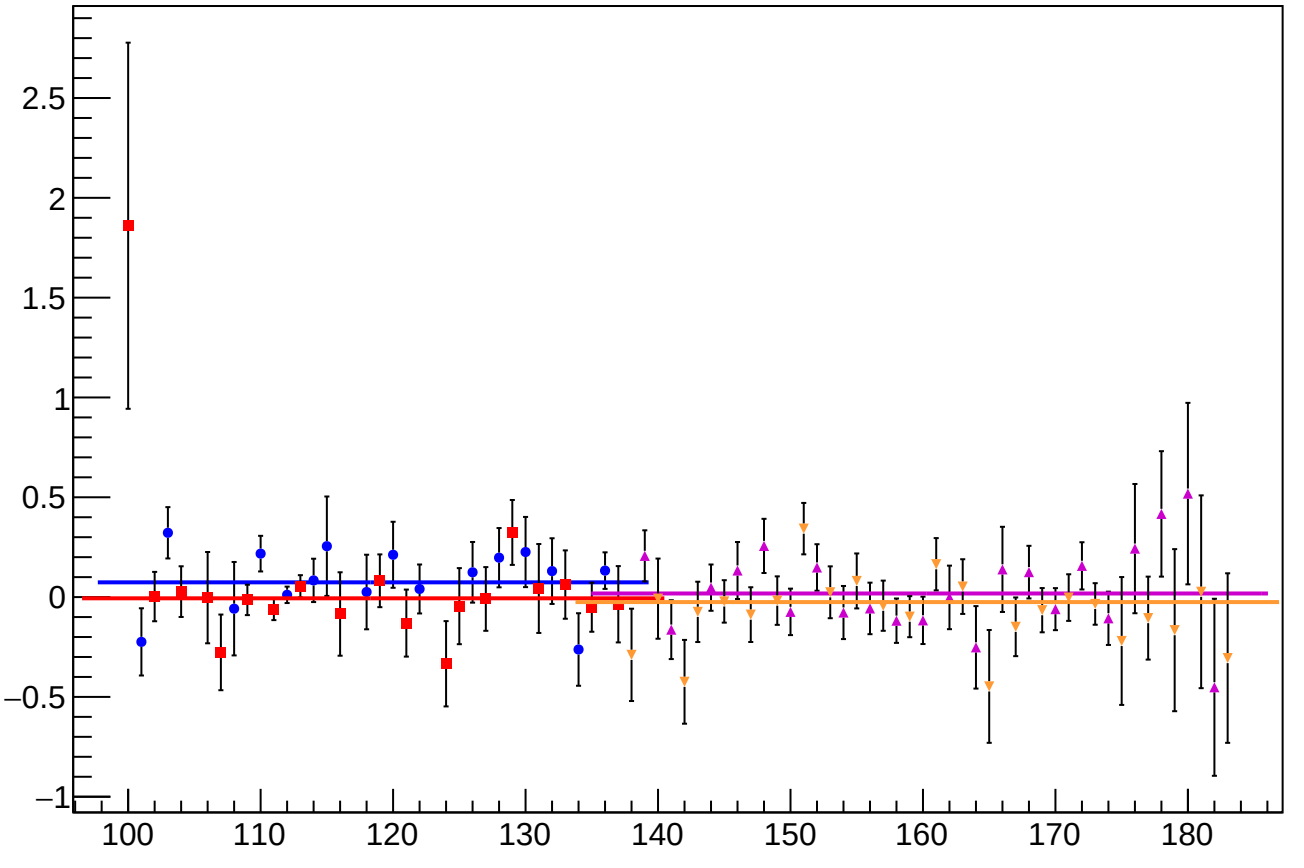
Left: 0.000+/-0.000 χ^2/NDF: 2175775.2/45

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:3909570.3/42

All: 0.000+/-0.000 χ^2/NDF: 7265439.3/80



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.025+/-0.030 χ^2/NDF:21.3/23

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.018+/-0.030 χ^2/NDF:22.9/21

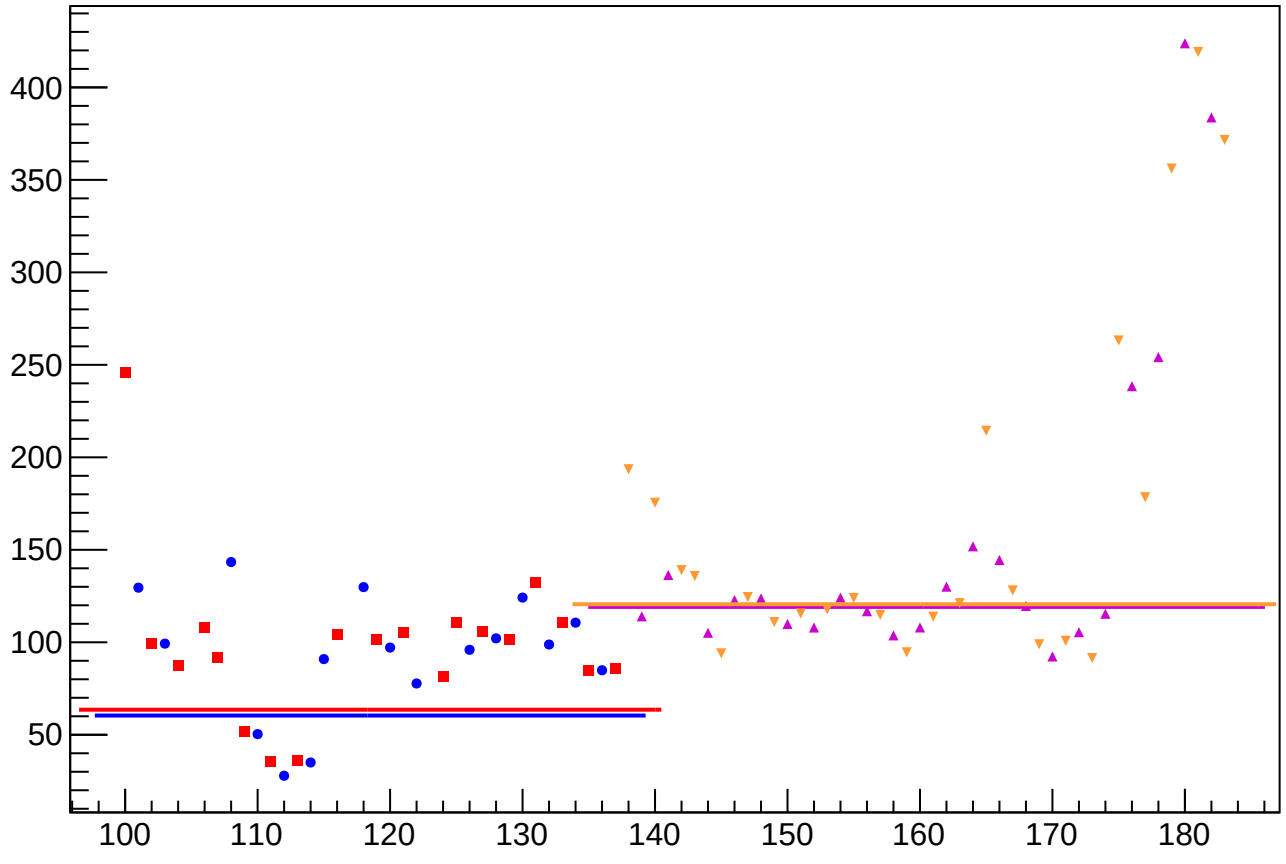
Left: -0.004+/-0.021 χ^2/NDF: 45.2/45

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:37.9/42

All: 0.017+/-0.014 χ^2/NDF: 86.7/80



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 120.568+/-0.021 χ^2/NDF:3870334.4/23

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 119.128+/-0.021 χ^2/NDF:2652011.7/21

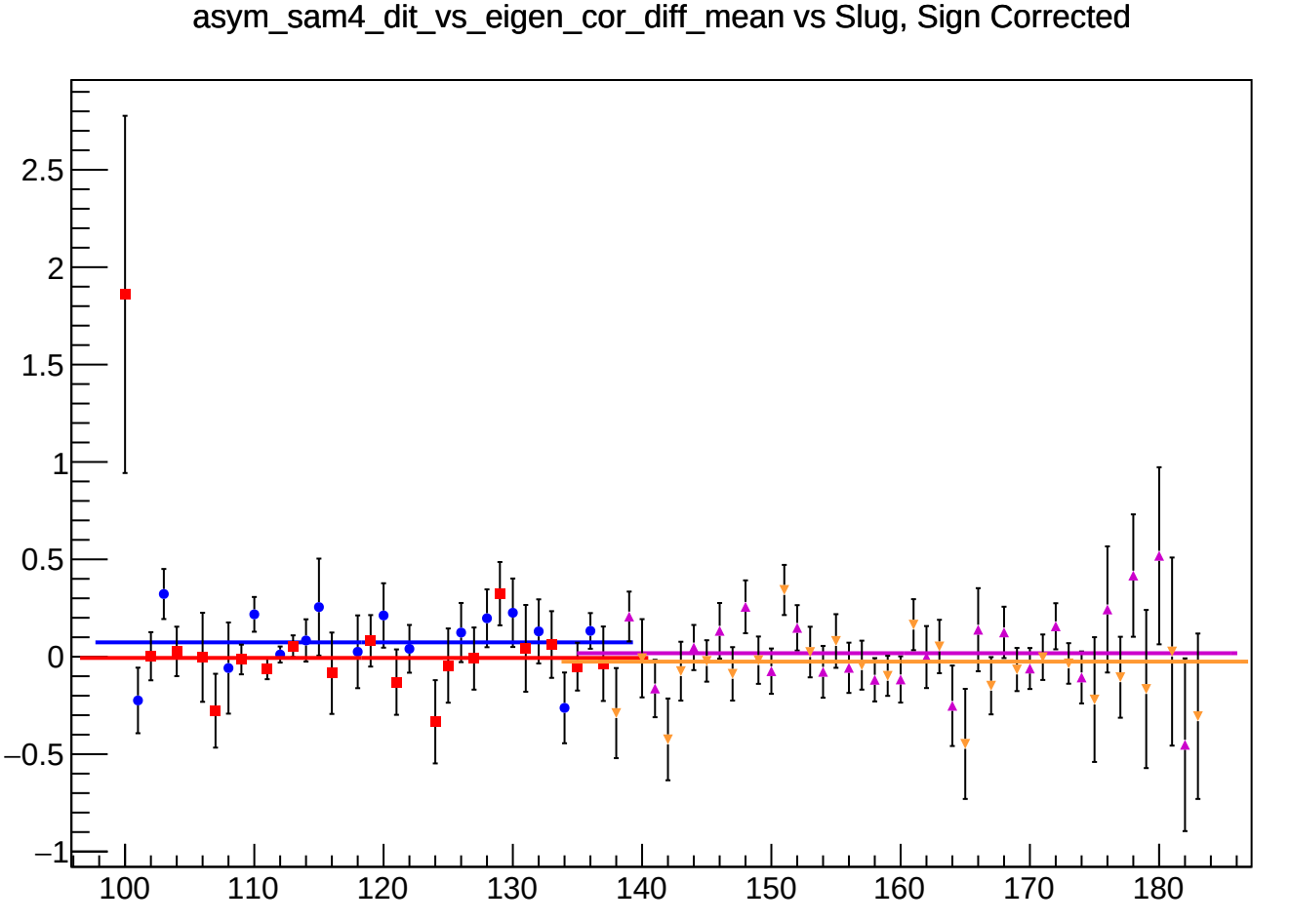
Left: 119.856+/-0.015 χ^2/NDF: 6524632.8/45

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 86.427+/-0.014 χ^2/NDF:10379550.7/37

Out: 88.956+/-0.014 χ^2/NDF:10548659.1/42

All: 87.702+/-0.010 χ^2/NDF: 20944093.6/80



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.025+/-0.030 χ^2/NDF:21.3/23

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.018+/-0.030 χ^2/NDF:22.9/21

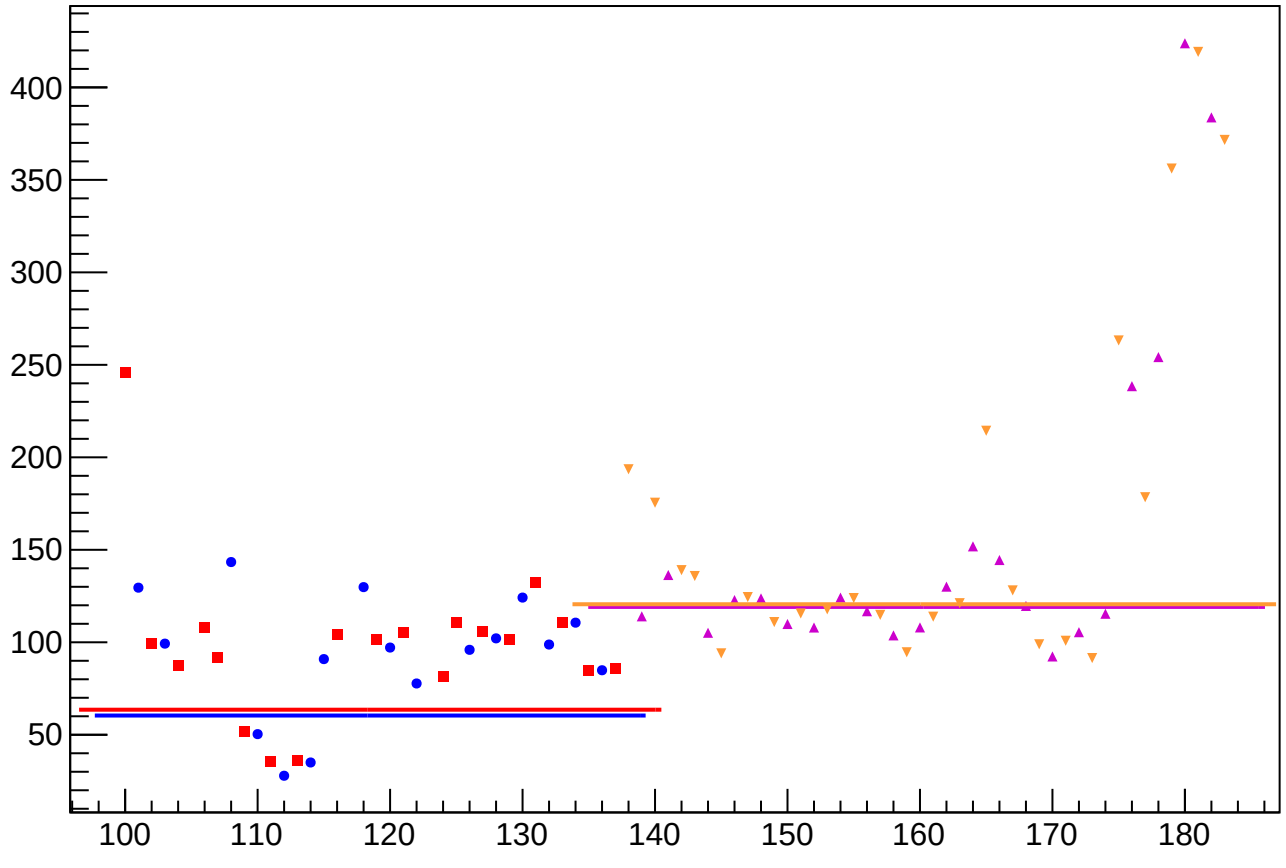
Left: -0.004+/-0.021 χ^2/NDF: 45.2/45

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:37.9/42

All: 0.017+/-0.014 χ^2/NDF: 86.7/80



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 120.568+/-0.021 χ^2/NDF:3870334.4/23

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 119.128+/-0.021 χ^2/NDF:2652011.7/21

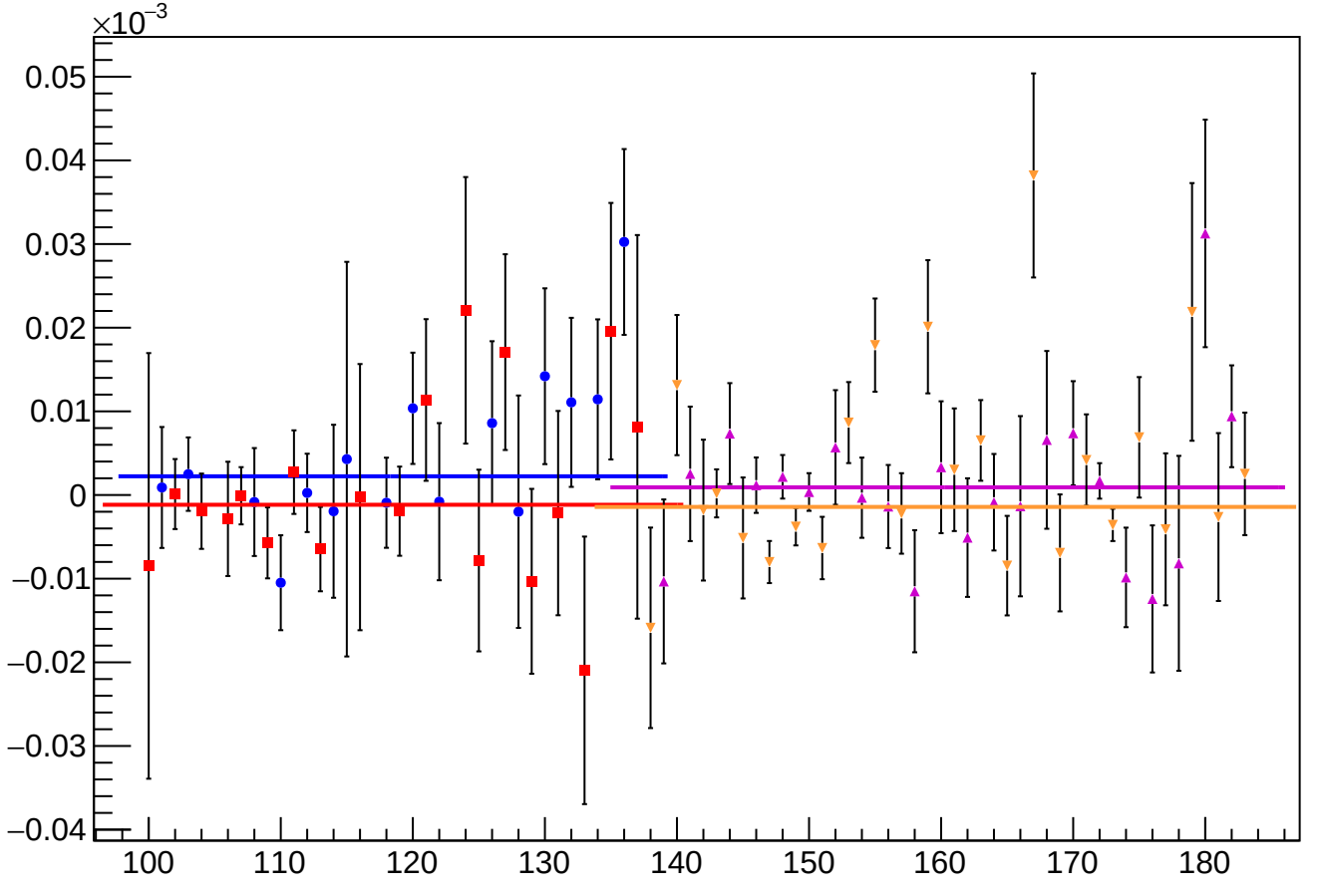
Left: 119.856+/-0.015 χ^2/NDF: 6524632.8/45

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 86.427+/-0.014 χ^2/NDF:10379550.7/37

Out: 88.956+/-0.014 χ^2/NDF:10548659.1/42

All: 87.702+/-0.010 χ^2/NDF: 20944093.6/80



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

Left Out: -0.000+/-0.000 χ^2/NDF:60.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:21.9/21

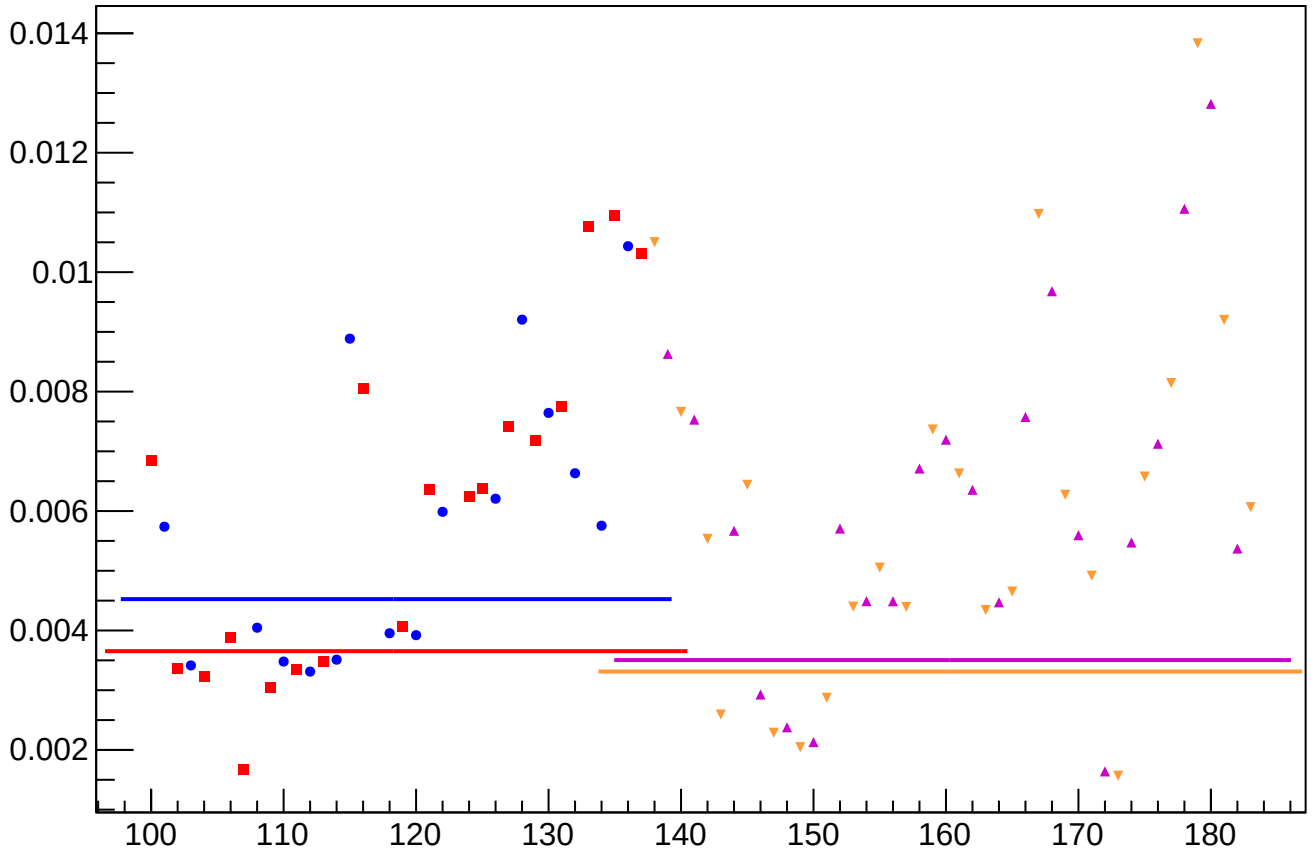
Left: -0.000+/-0.000 χ^2/NDF: 85.4/45

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:74.6/42

All: -0.000+/-0.000 χ^2/NDF: 119.2/80



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:10247750.9/23

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:9169642.0/21

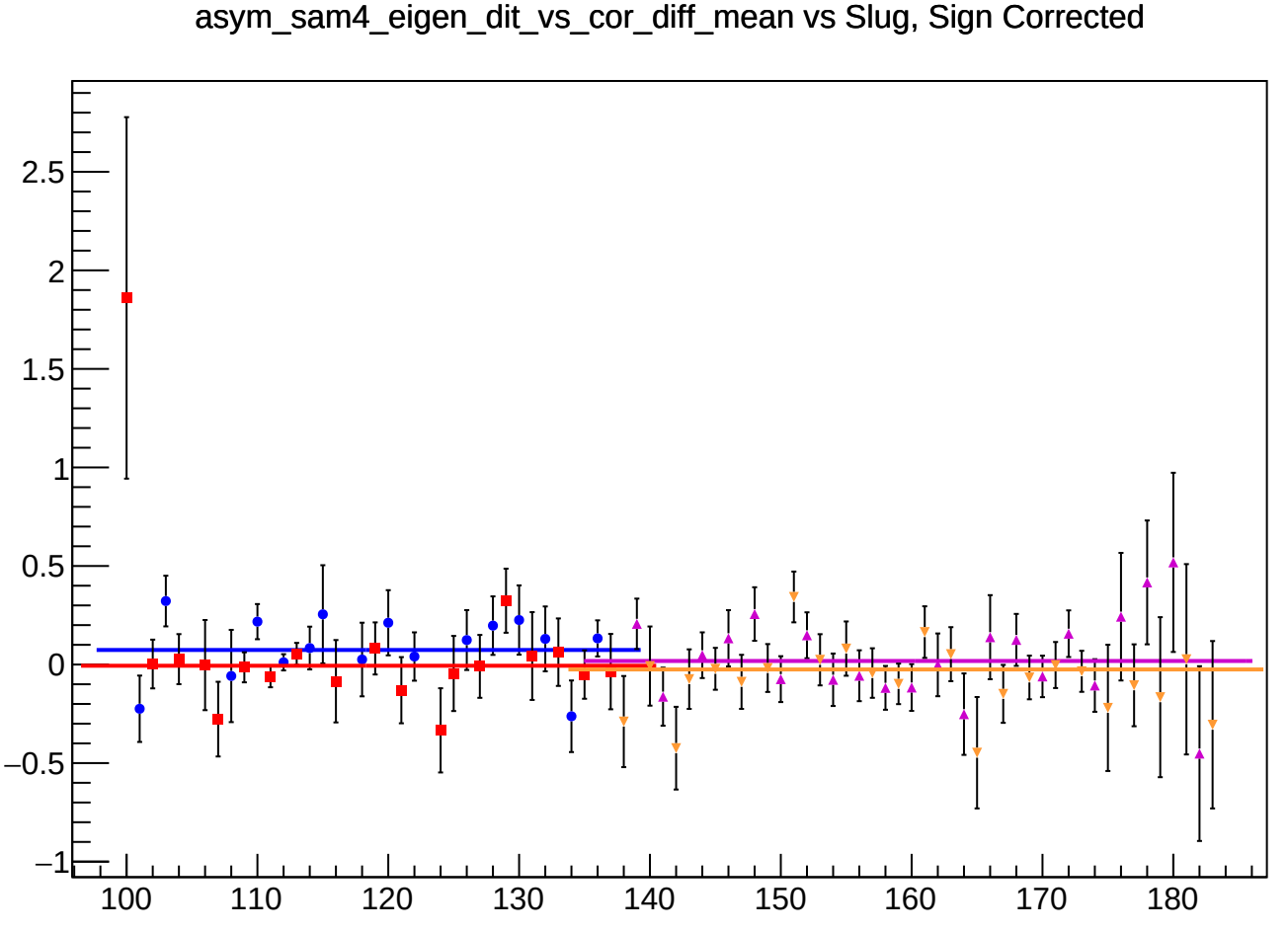
Left: 0.003+/-0.000 χ^2/NDF: 19458317.6/45

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:13256929.6/42

All: 0.004+/-0.000 χ^2/NDF: 24802829.7/80



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.025+/-0.030 χ^2/NDF:21.3/23

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.018+/-0.030 χ^2/NDF:22.9/21

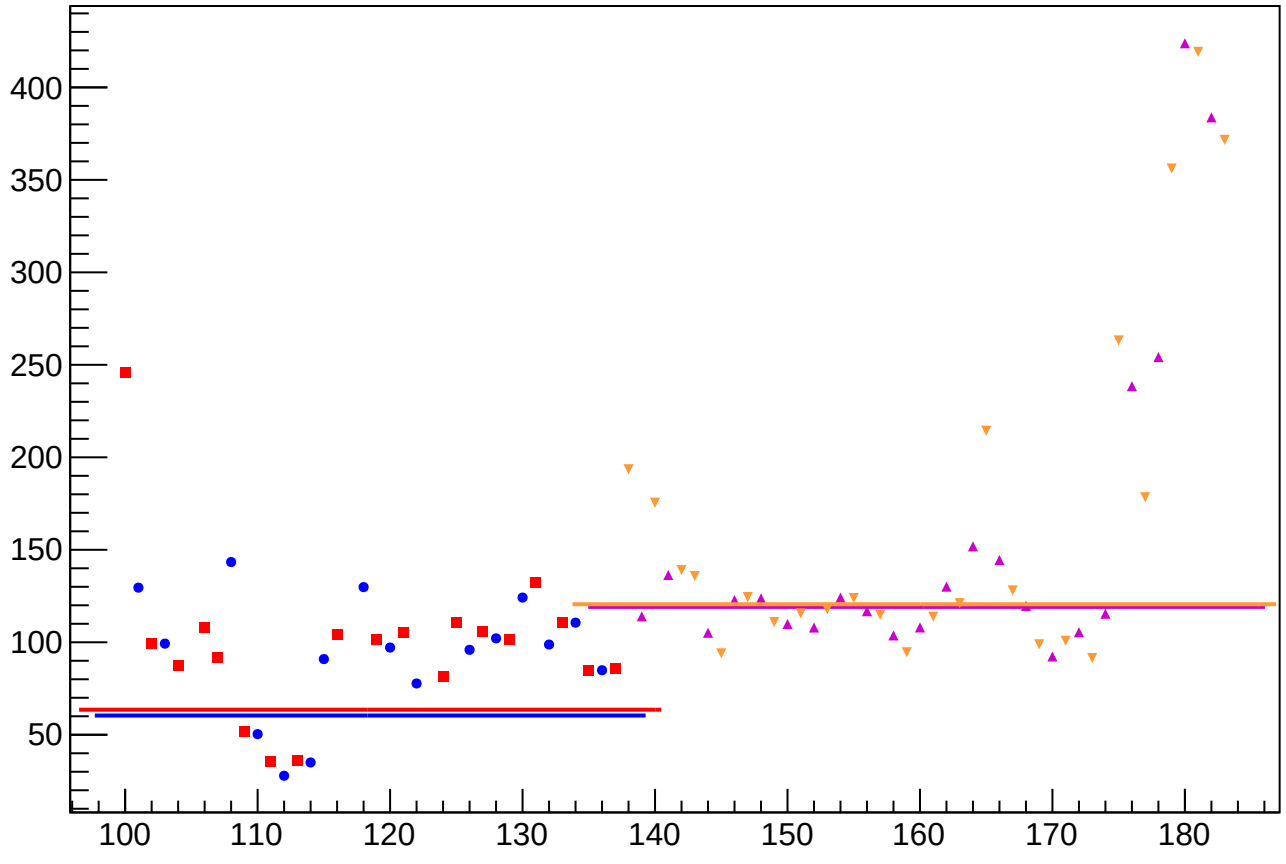
Left: -0.004+/-0.021 χ^2/NDF: 45.2/45

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:37.9/42

All: 0.017+/-0.014 χ^2/NDF: 86.7/80



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 120.568+/-0.021 χ^2/NDF:3870282.9/23

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: 119.857+/-0.015 χ^2/NDF: 6524517.5/45

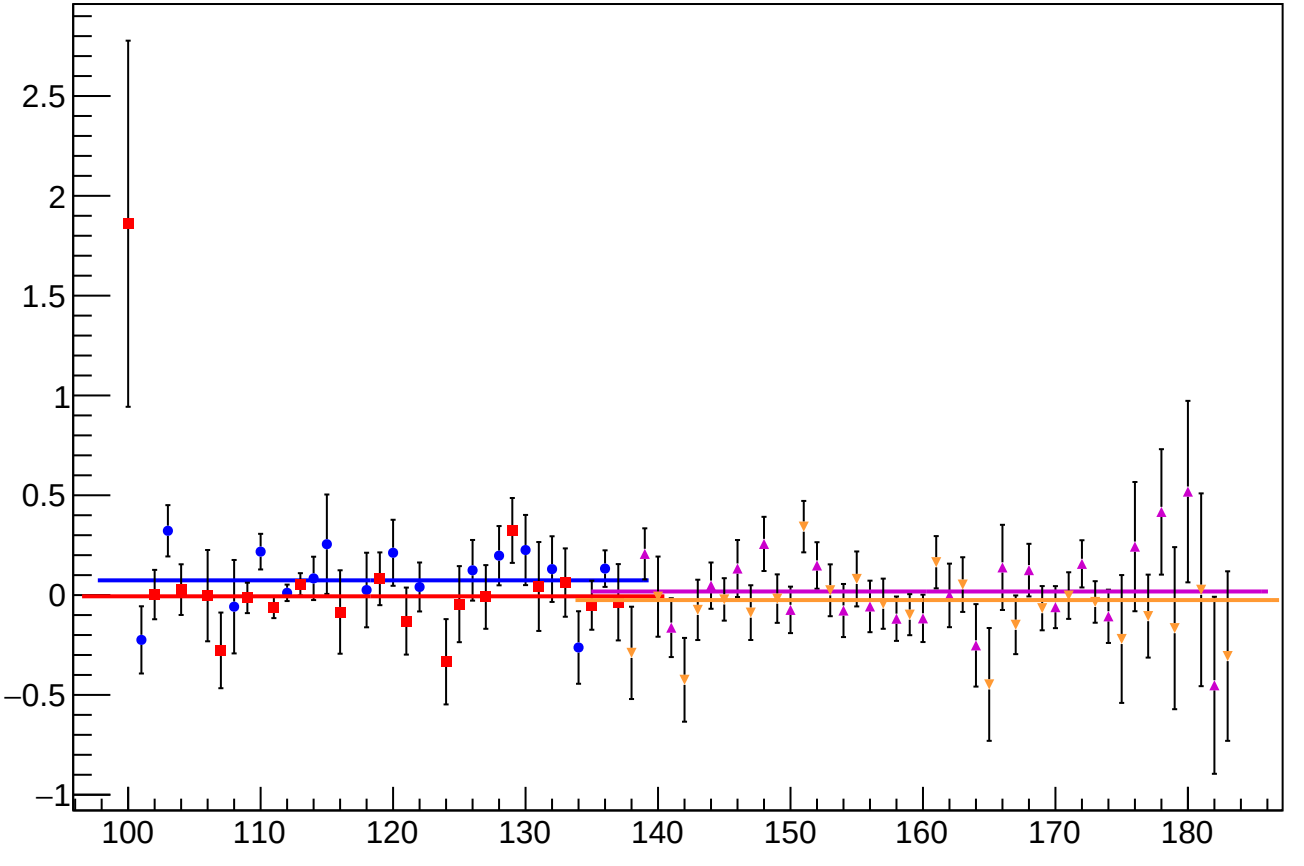
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 86.425+/-0.014 χ^2/NDF:10380224.4/37

Out: 88.954+/-0.014 χ^2/NDF:10549300.2/42

All: 87.701+/-0.010 χ^2/NDF: 20945412.8/80

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: -0.025+/-0.030 χ^2/NDF:21.3/23

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.018+/-0.030 χ^2/NDF:22.9/21

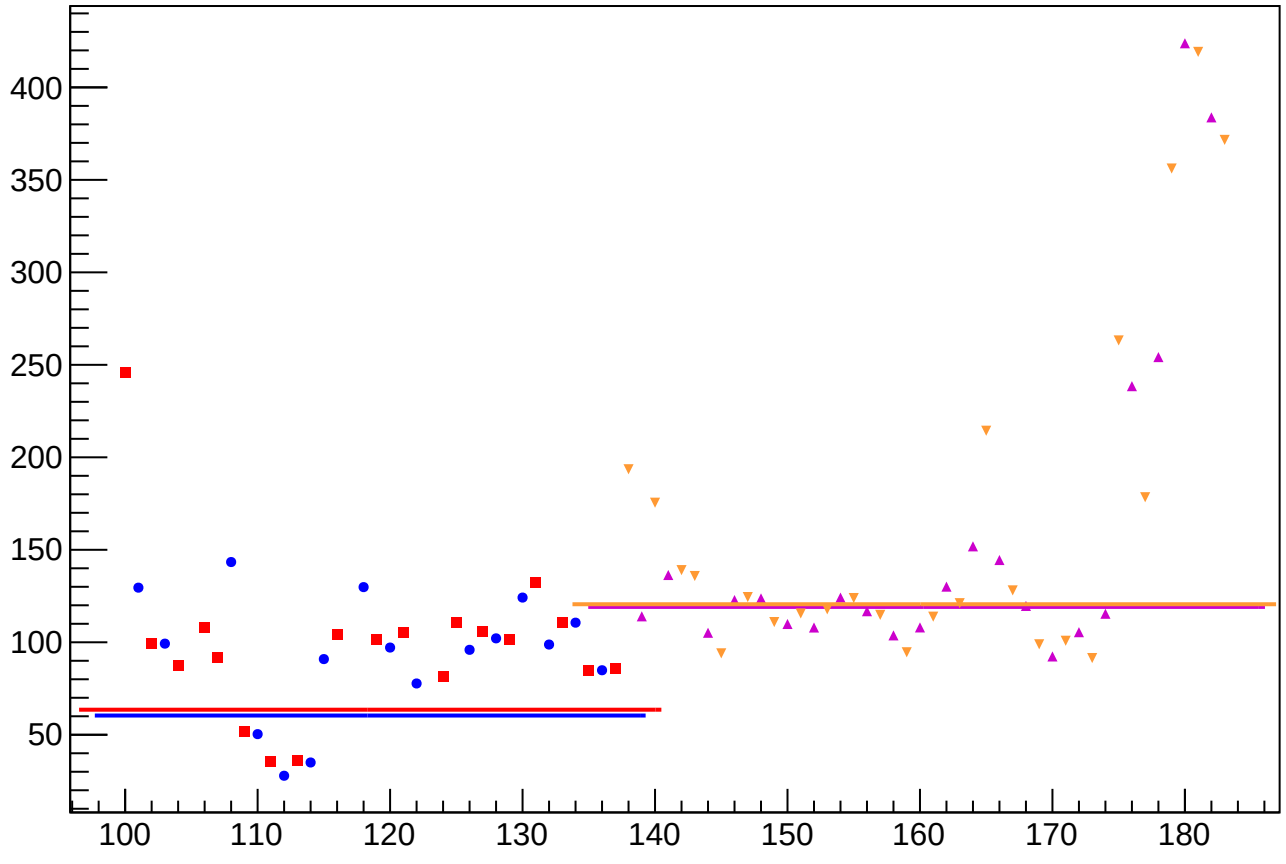
Left: -0.004+/-0.021 χ^2/NDF: 45.2/45

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:37.9/42

All: 0.017+/-0.014 χ^2/NDF: 86.7/80



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 120.568+/-0.021 χ^2/NDF:3870282.9/23

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 119.129+/-0.021 χ^2/NDF:2651947.8/21

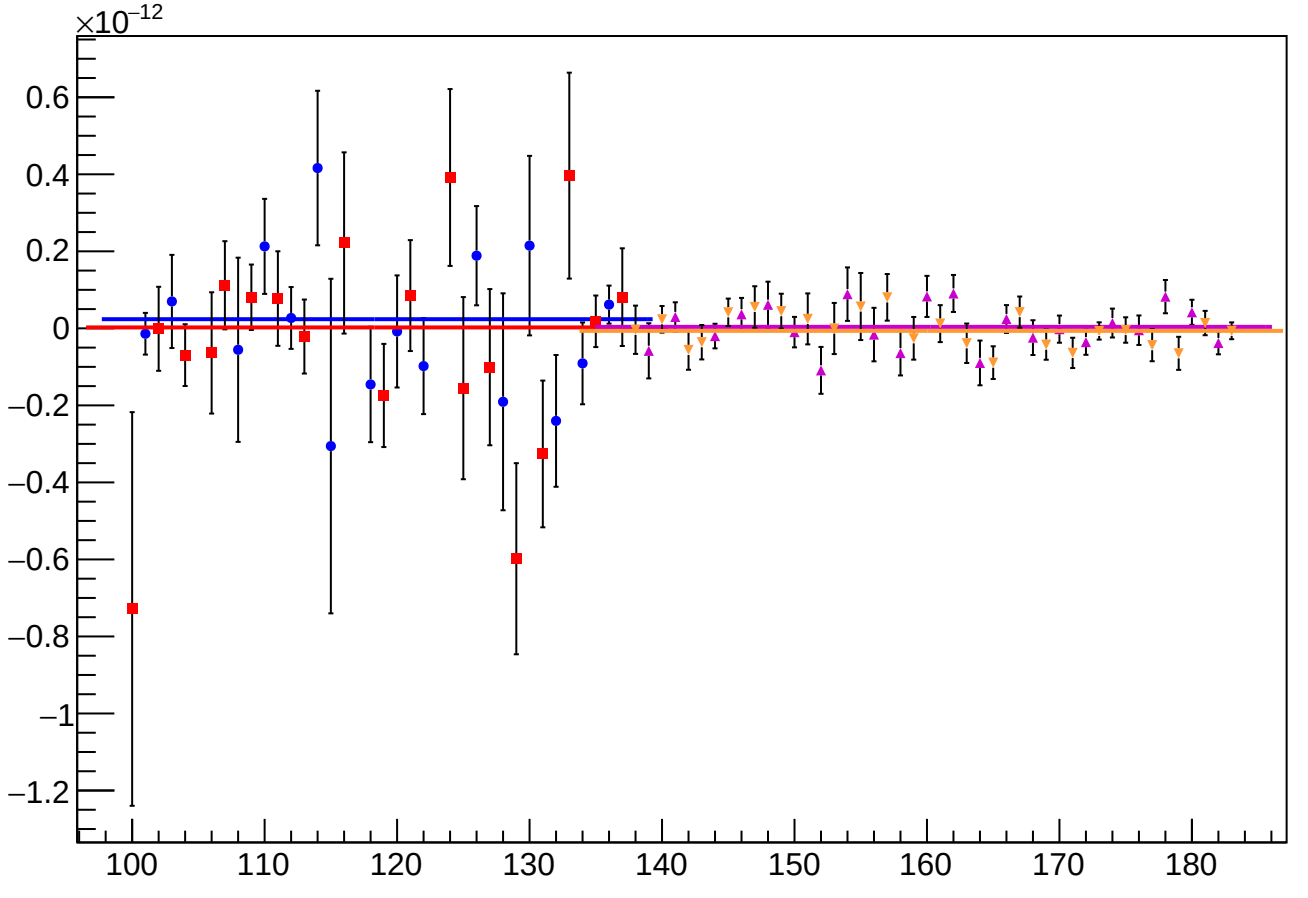
Left: 119.857+/-0.015 χ^2/NDF: 6524517.5/45

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 86.425+/-0.014 χ^2/NDF:10380224.4/37

Out: 88.954+/-0.014 χ^2/NDF:10549300.2/42

All: 87.701+/-0.010 χ^2/NDF: 20945412.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:26.8/21

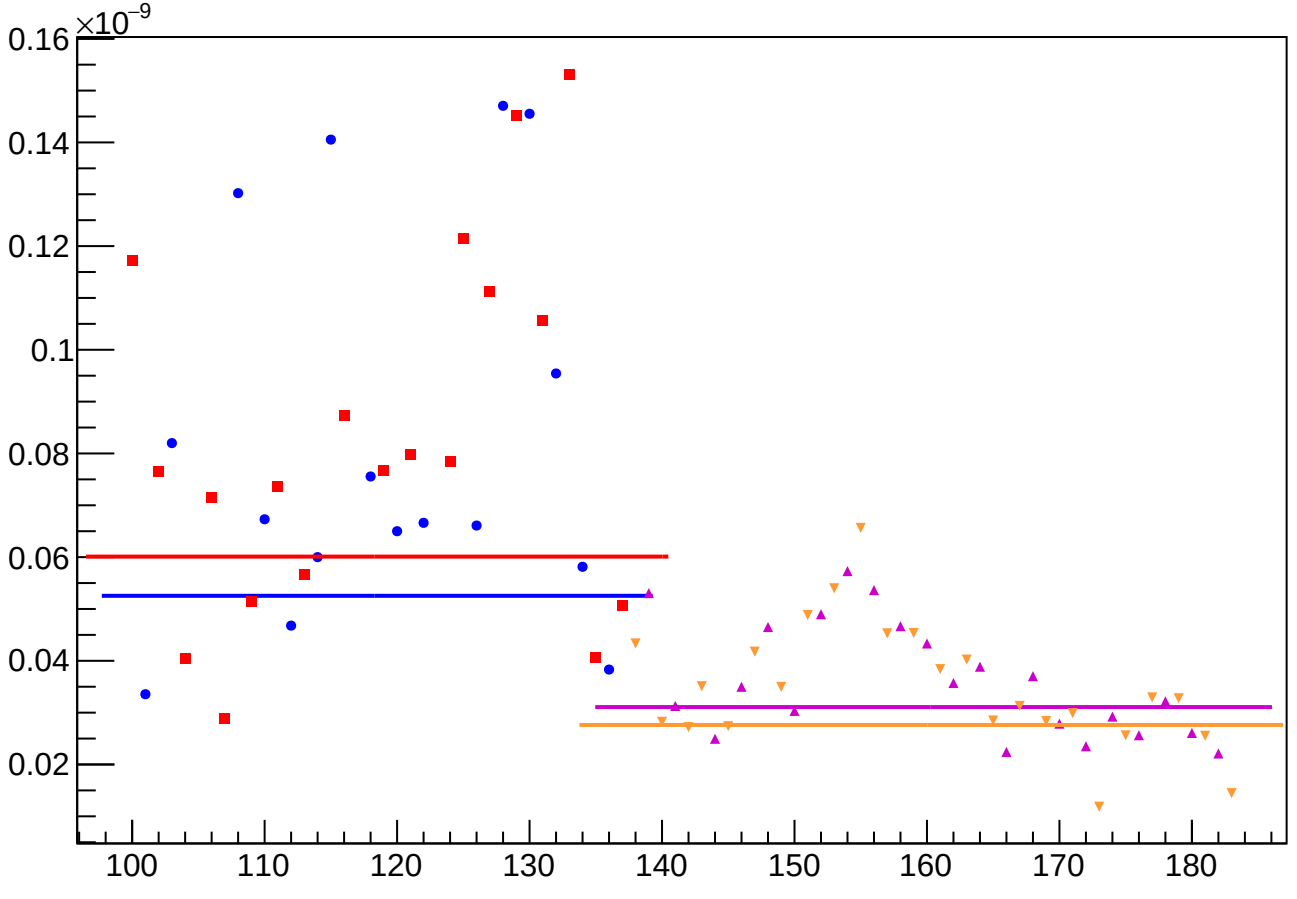
Left: -0.000+/-0.000 χ^2/NDF: 48.8/45

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:44.5/42

All: -0.000+/-0.000 χ^2/NDF: 89.7/80



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3688259.1/23

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: 5786550.0/45

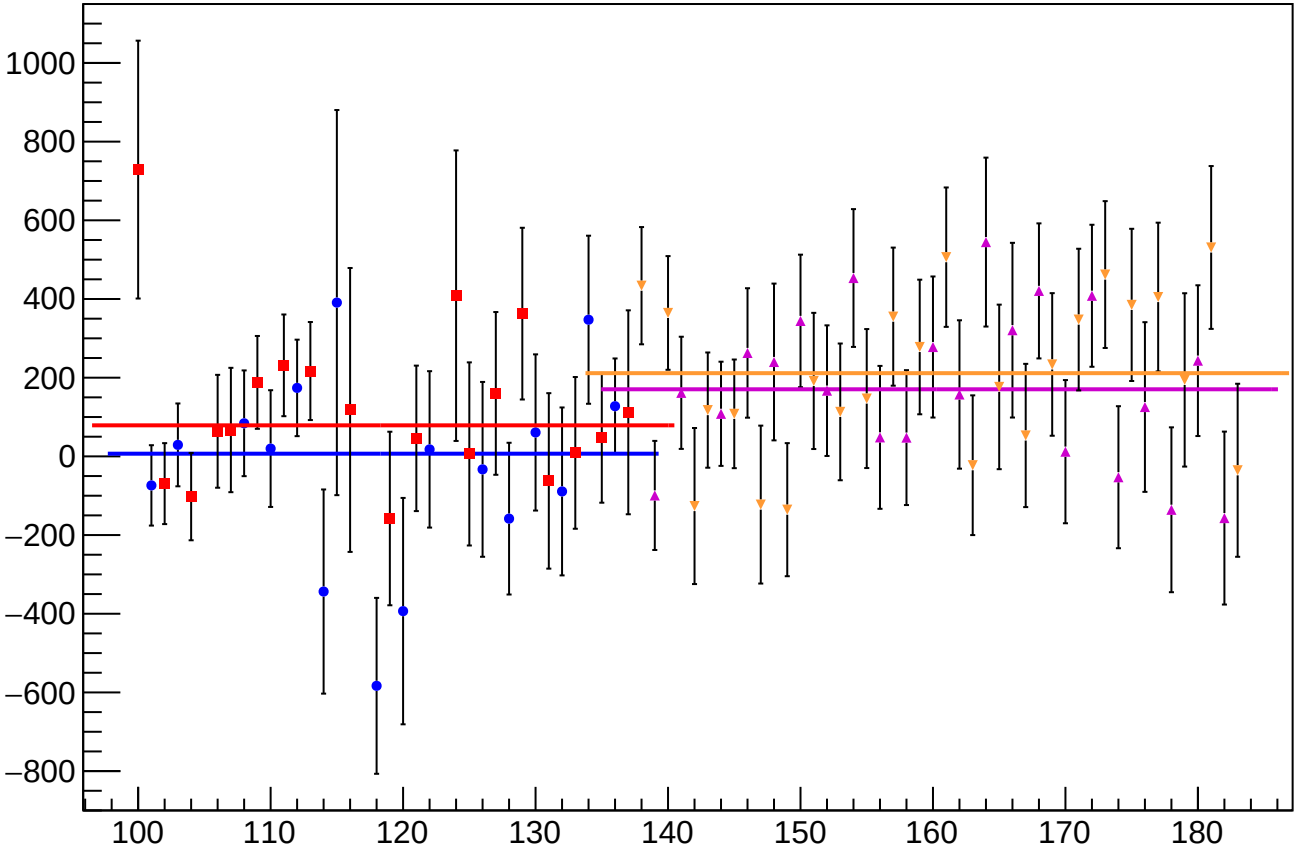
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:4786902.9/37

Out: 0.000+/-0.000 χ^2/NDF:7572956.3/42

All: 0.000+/-0.000 χ^2/NDF: 12525719.7/80

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 211.505+/-36.076 χ^2/NDF:28.7/23

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: 191.850+/-26.027 χ^2/NDF: 52.9/45

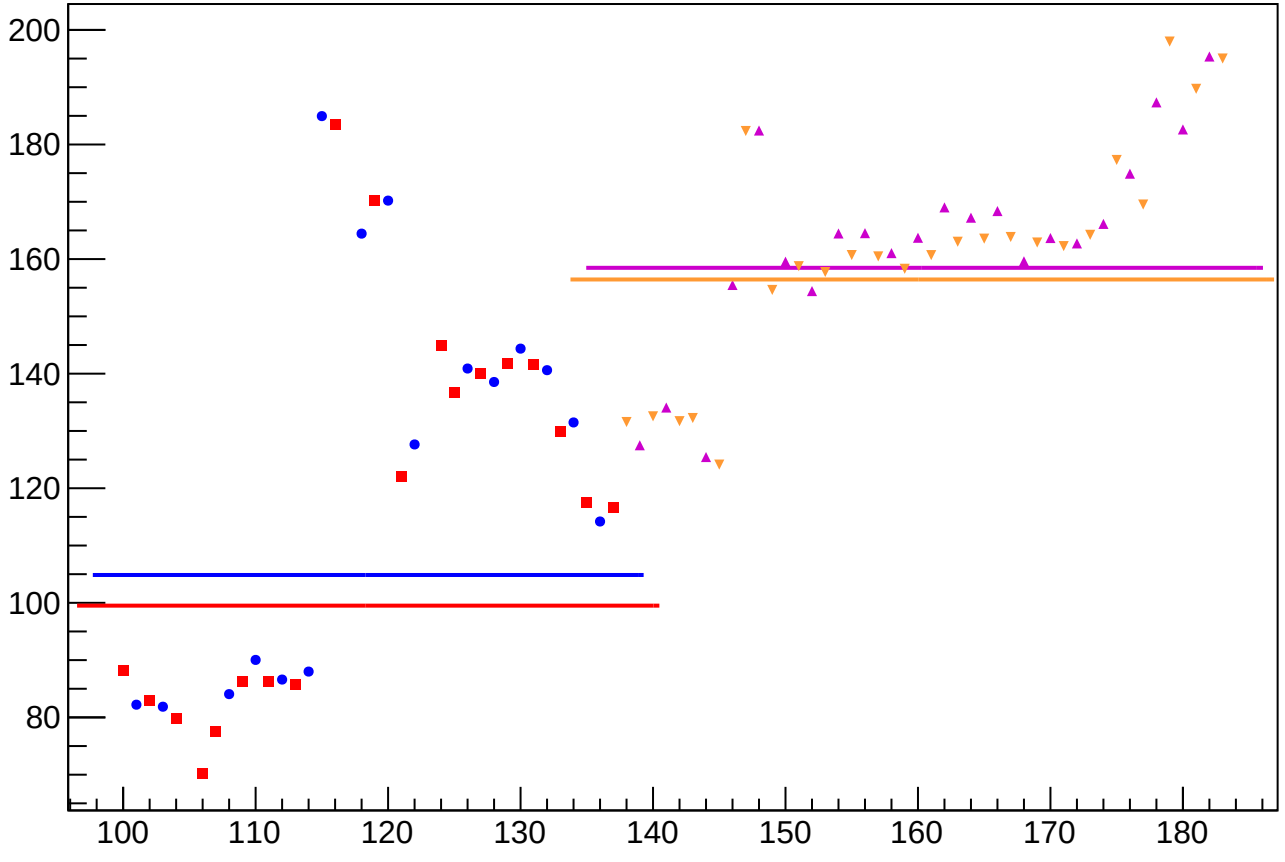
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 94.465+/-27.504 χ^2/NDF:51.2/37

Out: 148.472+/-26.133 χ^2/NDF:51.8/42

All: 122.848+/-18.945 χ^2/NDF: 105.0/80

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 156.439+/-0.026 χ^2/NDF:576899.0/23

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 158.476+/-0.027 χ^2/NDF:478117.1/21

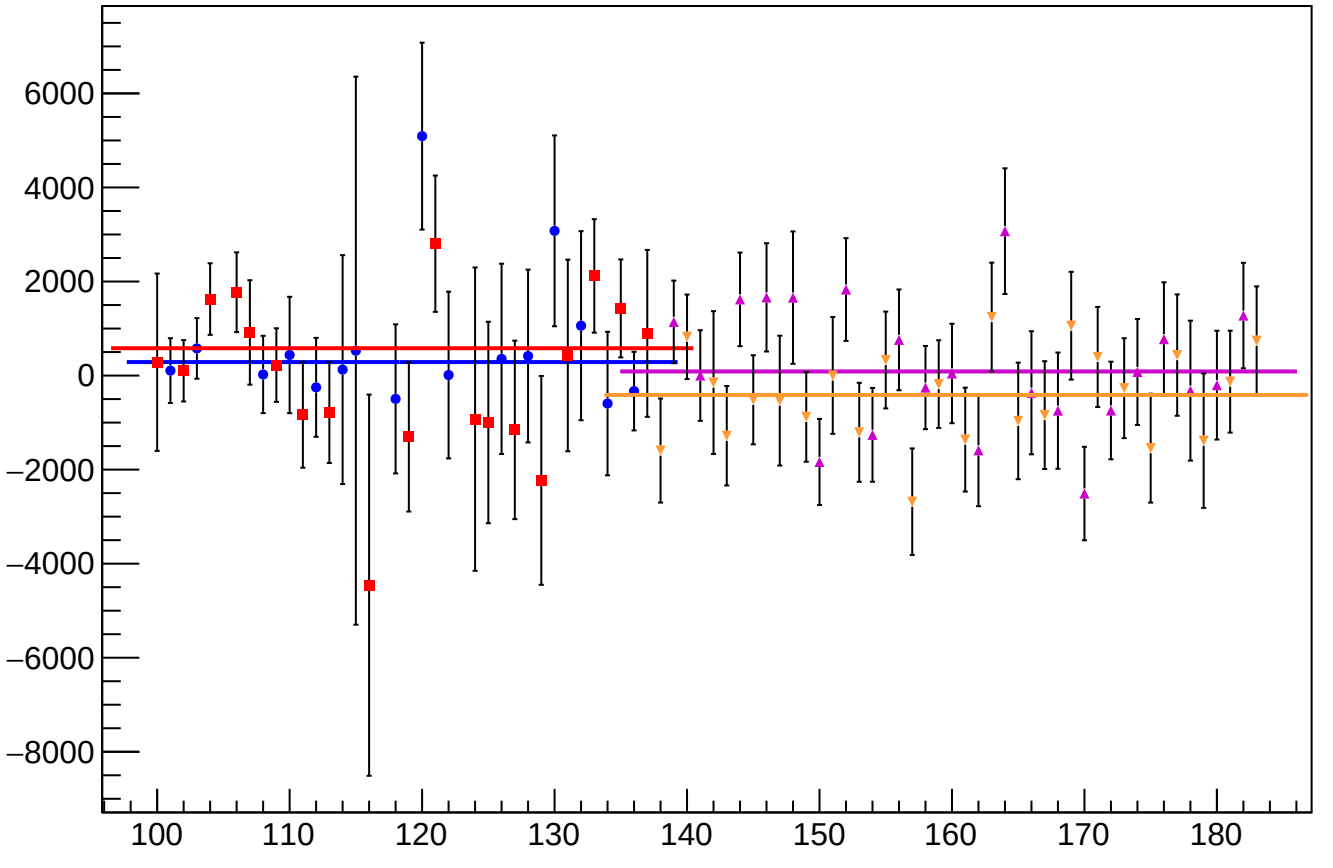
Left: 157.416+/-0.018 χ^2/NDF: 1058072.2/45

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 133.568+/-0.019 χ^2/NDF:3299892.6/37

Out: 129.381+/-0.018 χ^2/NDF:3983236.9/42

All: 131.368+/-0.013 χ^2/NDF: 7307493.9/80



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -412.333+/-226.481 χ^2/NDF:17.6/23

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: -168.028+/-161.946 χ^2/NDF: 52.8/45

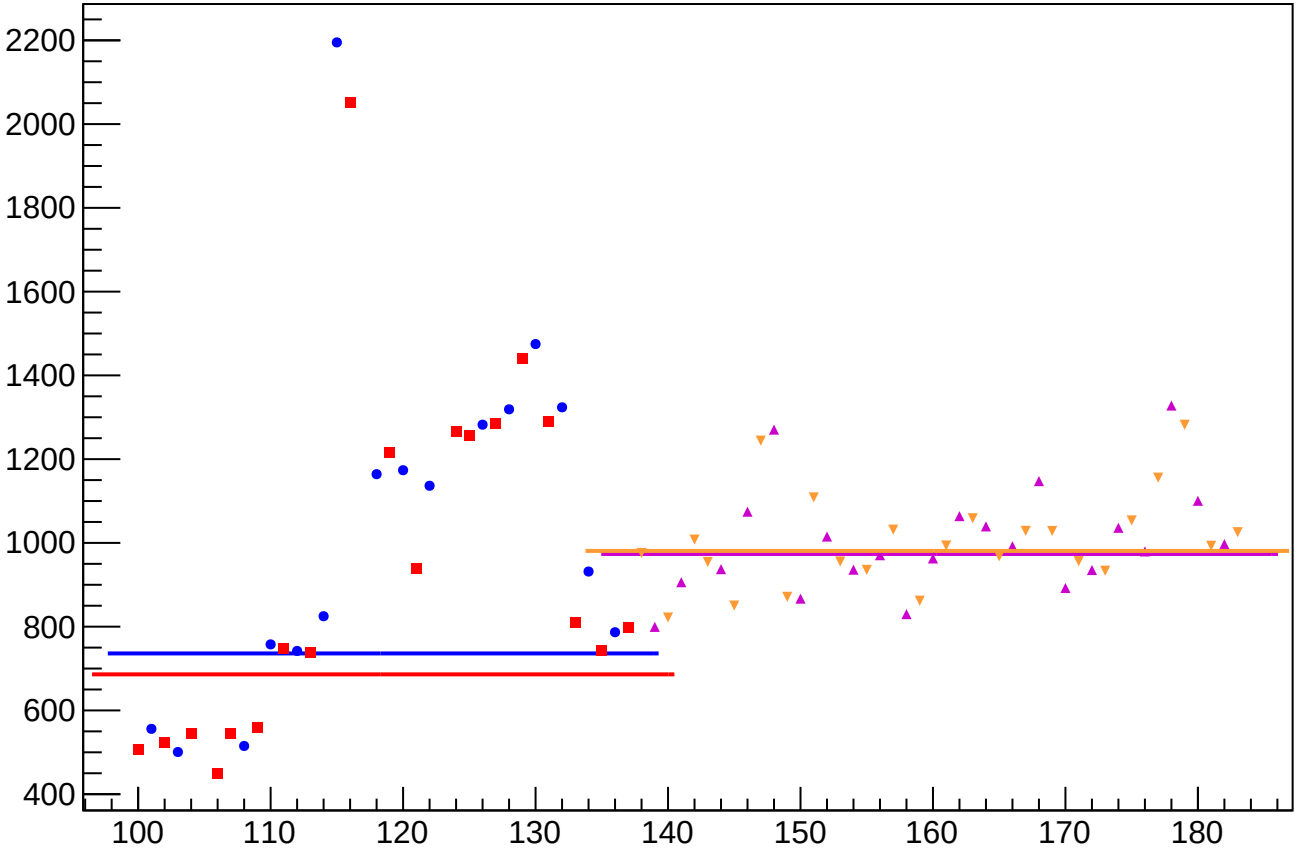
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 164.104+/-181.835 χ^2/NDF:42.8/37

Out: -1.582+/-173.459 χ^2/NDF:44.3/42

All: 77.357+/-125.511 χ^2/NDF: 87.6/80

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 980.855+/-0.160 χ^2/NDF:422799.2/23

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 973.600+/-0.164 χ^2/NDF:498503.4/21

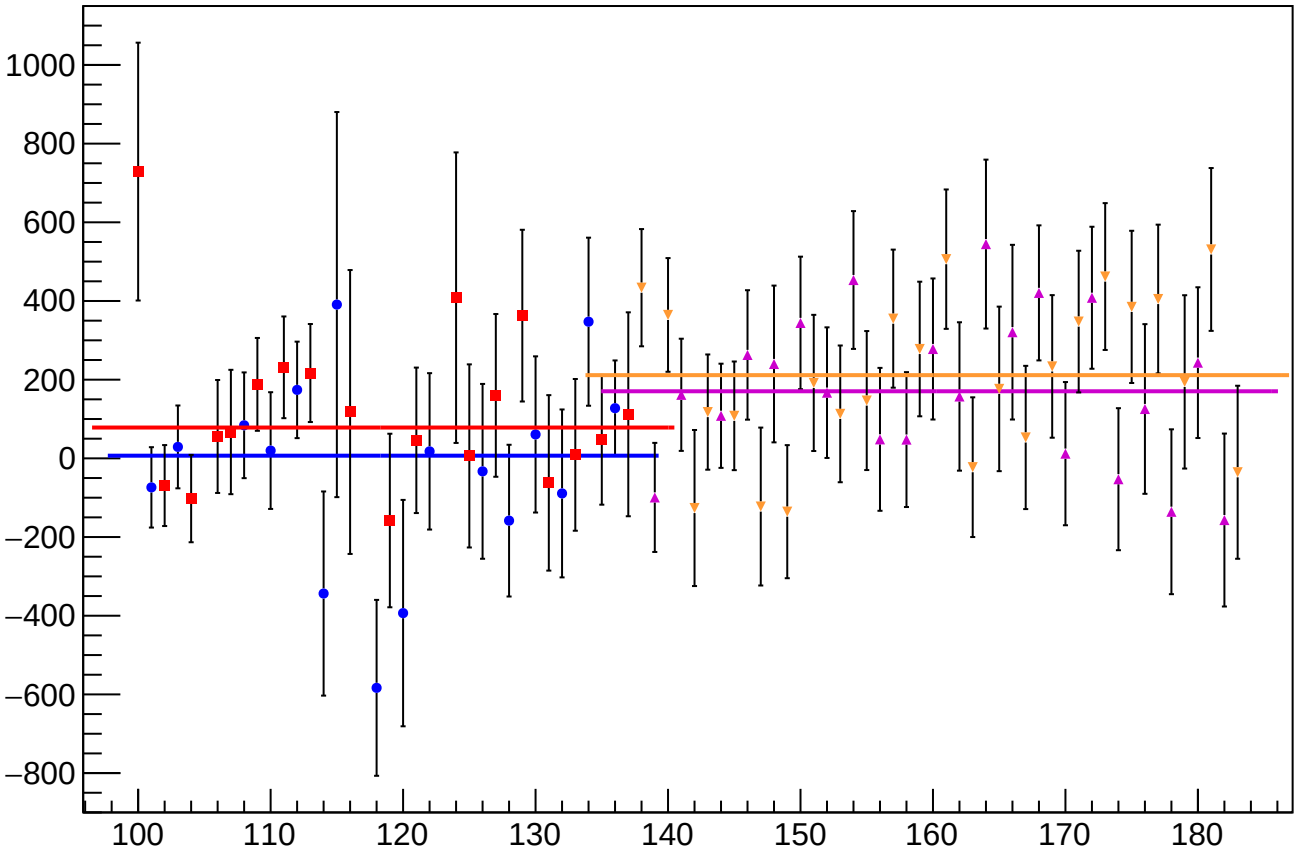
Left: 977.310+/-0.115 χ^2/NDF: 922305.5/45

Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

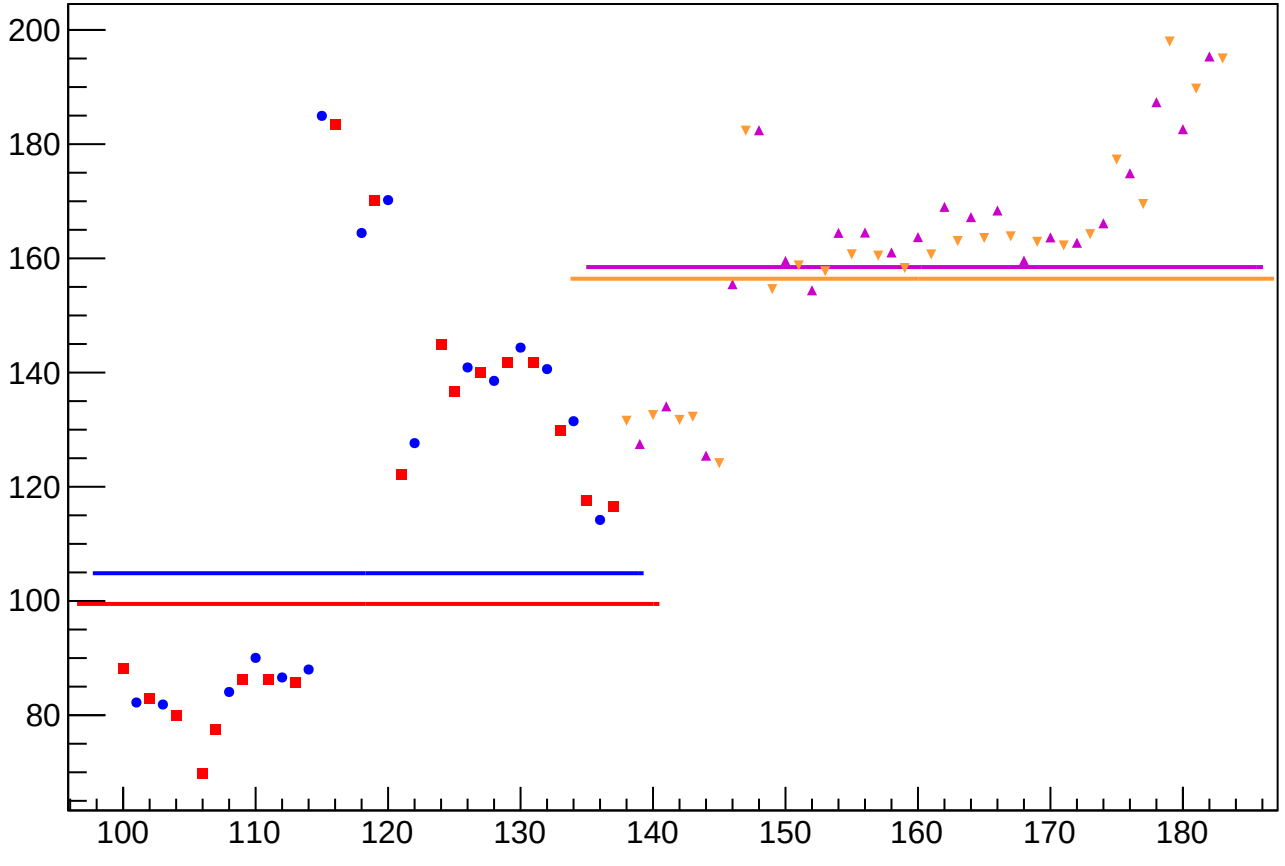
In: 882.418+/-0.129 χ^2/NDF:3150106.4/37

Out: 859.001+/-0.123 χ^2/NDF:3642382.4/42

All: 870.158+/-0.089 χ^2/NDF: 6809854.3/80


cor_asym_sam5_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 211.507+/-36.076 χ²/NDF:28.7/23
Right Out: 78.347+/-37.909 χ²/NDF: 16.7/18
Left In: 170.518+/-37.587 χ²/NDF:23.6/21
Left: 191.853+/-26.027 χ²/NDF: 52.9/45
Right: 44.806+/-27.629 χ²/NDF: 37.1/34
In: 94.462+/-27.504 χ²/NDF:51.2/37
Out: 148.224+/-26.133 χ²/NDF:51.8/42
All: 122.716+/-18.945 χ²/NDF: 105.1/80

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 156.439+/-0.026 χ^2/NDF:576899.0/23

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 158.476+/-0.027 χ^2/NDF:478117.2/21

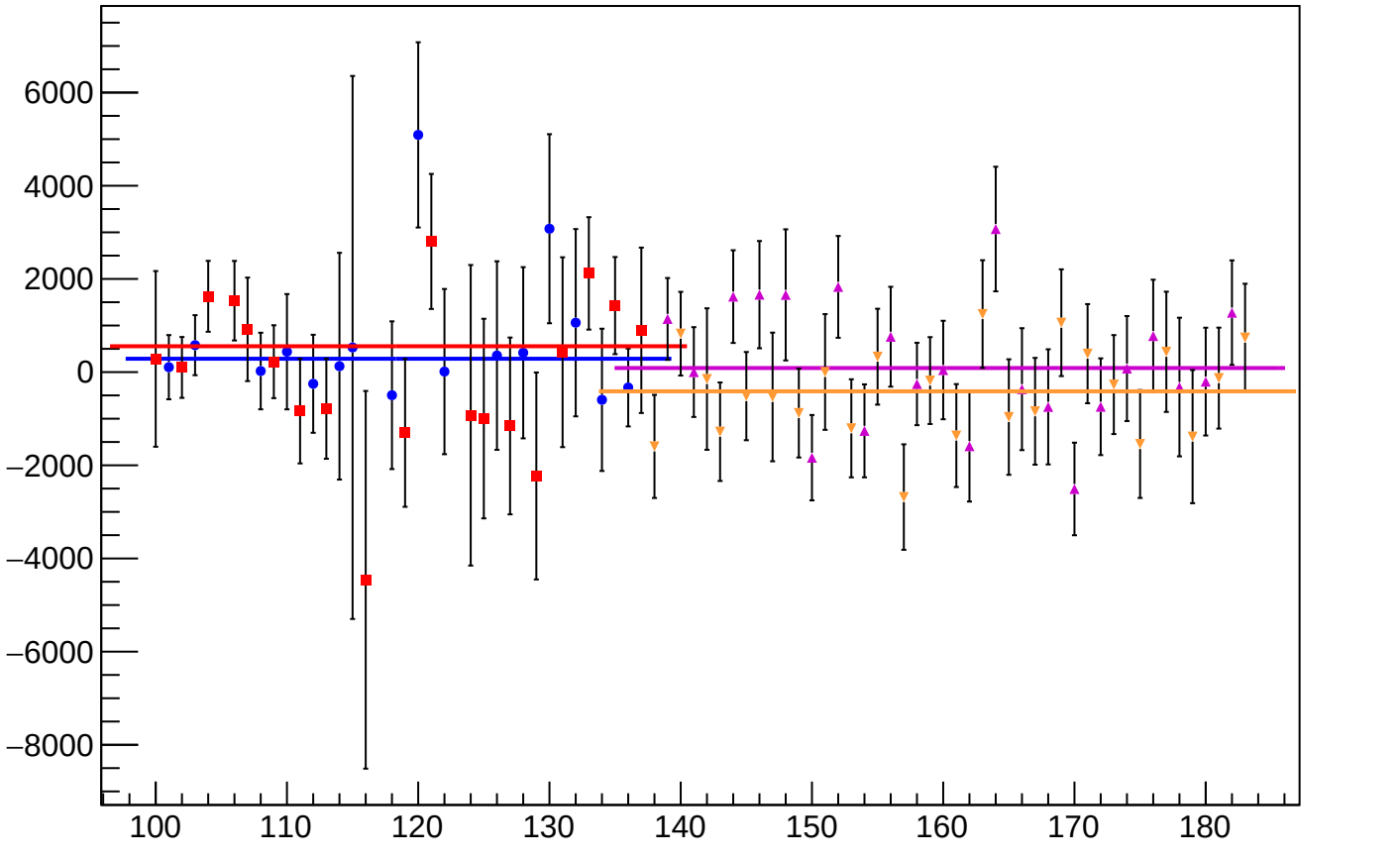
Left: 157.416+/-0.018 χ^2/NDF: 1058072.3/45

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 133.568+/-0.019 χ^2/NDF:3299890.6/37

Out: 129.372+/-0.018 χ^2/NDF:3987235.0/42

All: 131.363+/-0.013 χ^2/NDF: 7311598.3/80



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -412.324+/-226.481 χ^2/NDF:17.6/23

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: -168.024+/-161.946 χ^2/NDF: 52.8/45

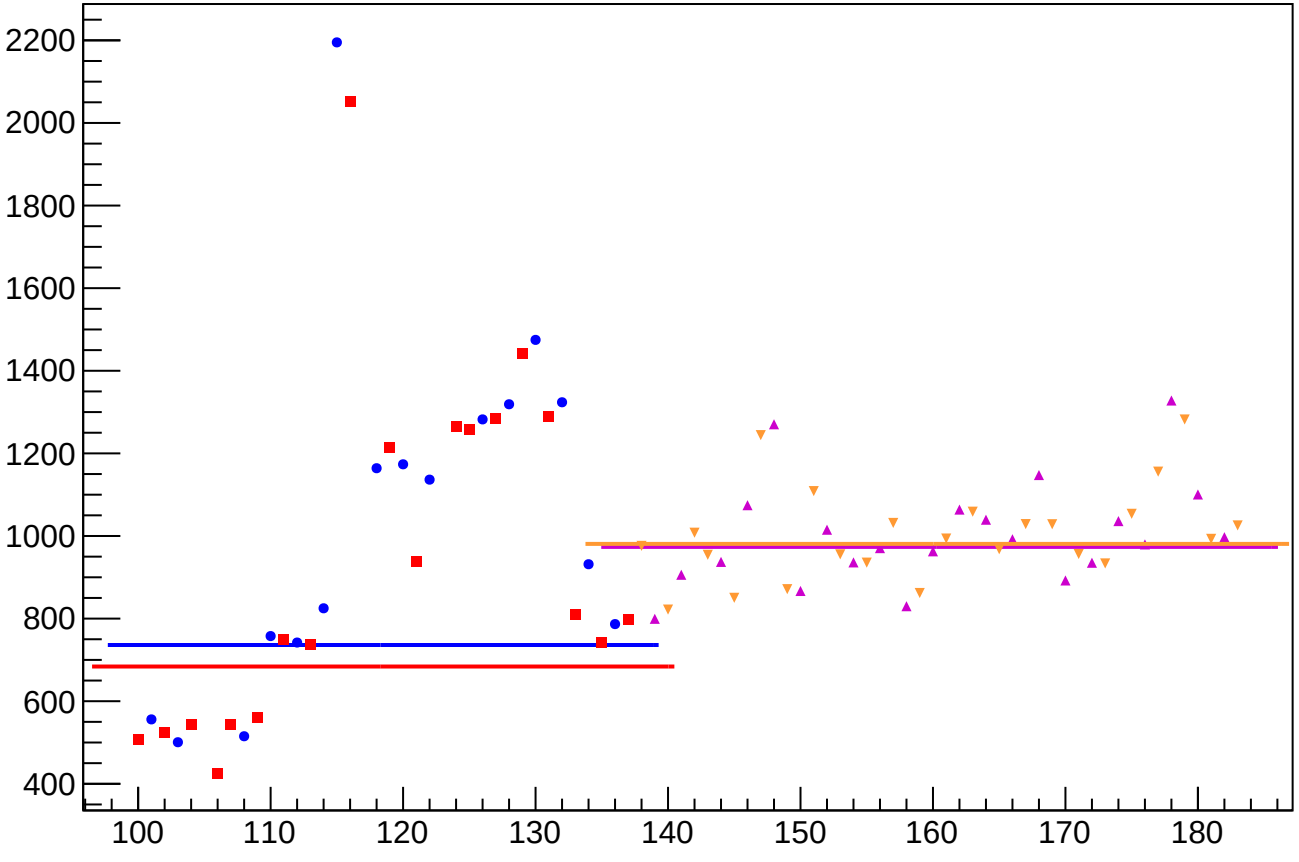
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 164.104+/-181.835 χ^2/NDF:42.8/37

Out: -12.544+/-173.506 χ^2/NDF:43.1/42

All: 71.641+/-125.529 χ^2/NDF: 86.5/80

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 980.856+/-0.160 χ^2/NDF:422797.6/23

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 973.600+/-0.164 χ^2/NDF:498505.9/21

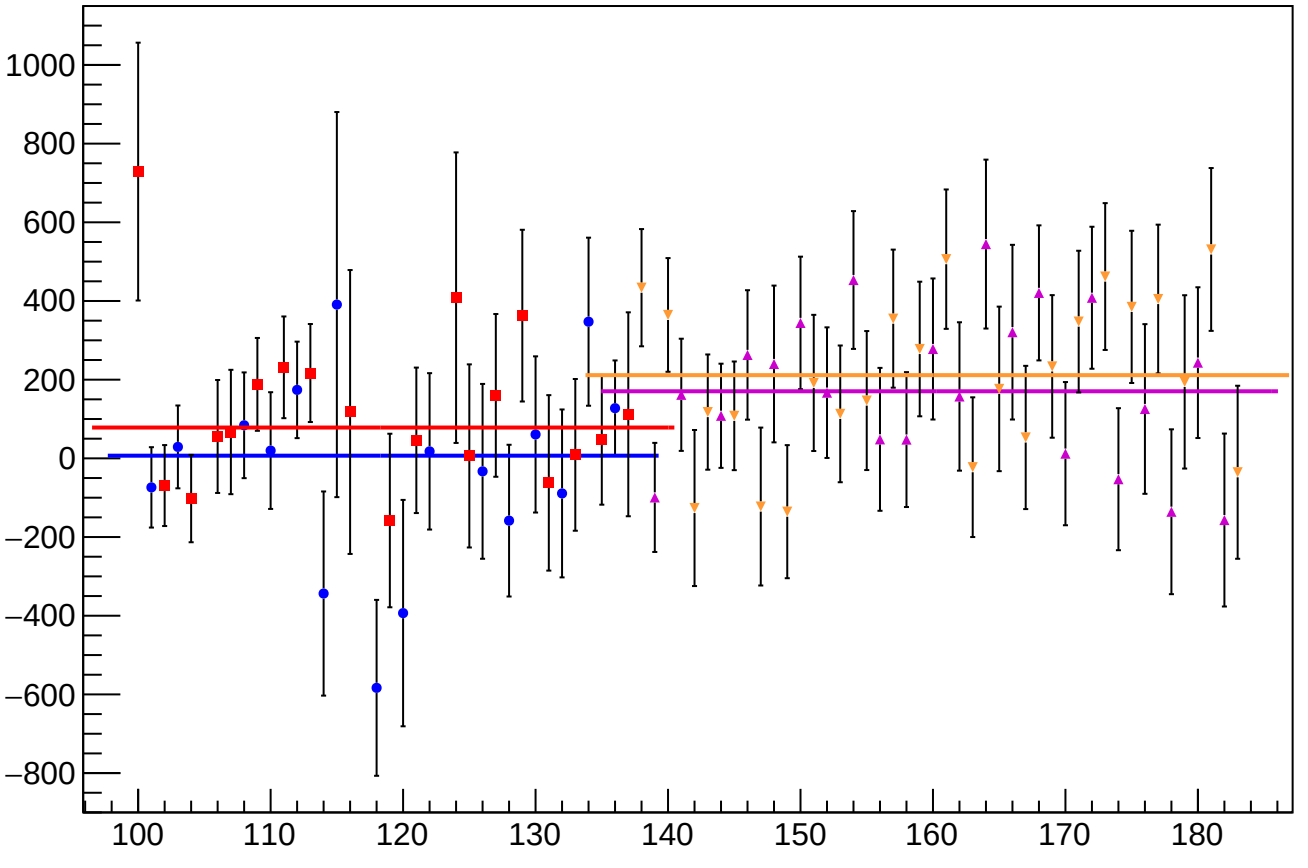
Left: 977.310+/-0.115 χ^2/NDF: 922306.5/45

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 882.418+/-0.129 χ^2/NDF:3150115.2/37

Out: 858.217+/-0.123 χ^2/NDF:3692798.7/42

All: 869.750+/-0.089 χ^2/NDF: 6861456.8/80



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 211.507+/-36.076 χ^2/NDF:28.7/23

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: 191.853+/-26.027 χ^2/NDF: 52.9/45

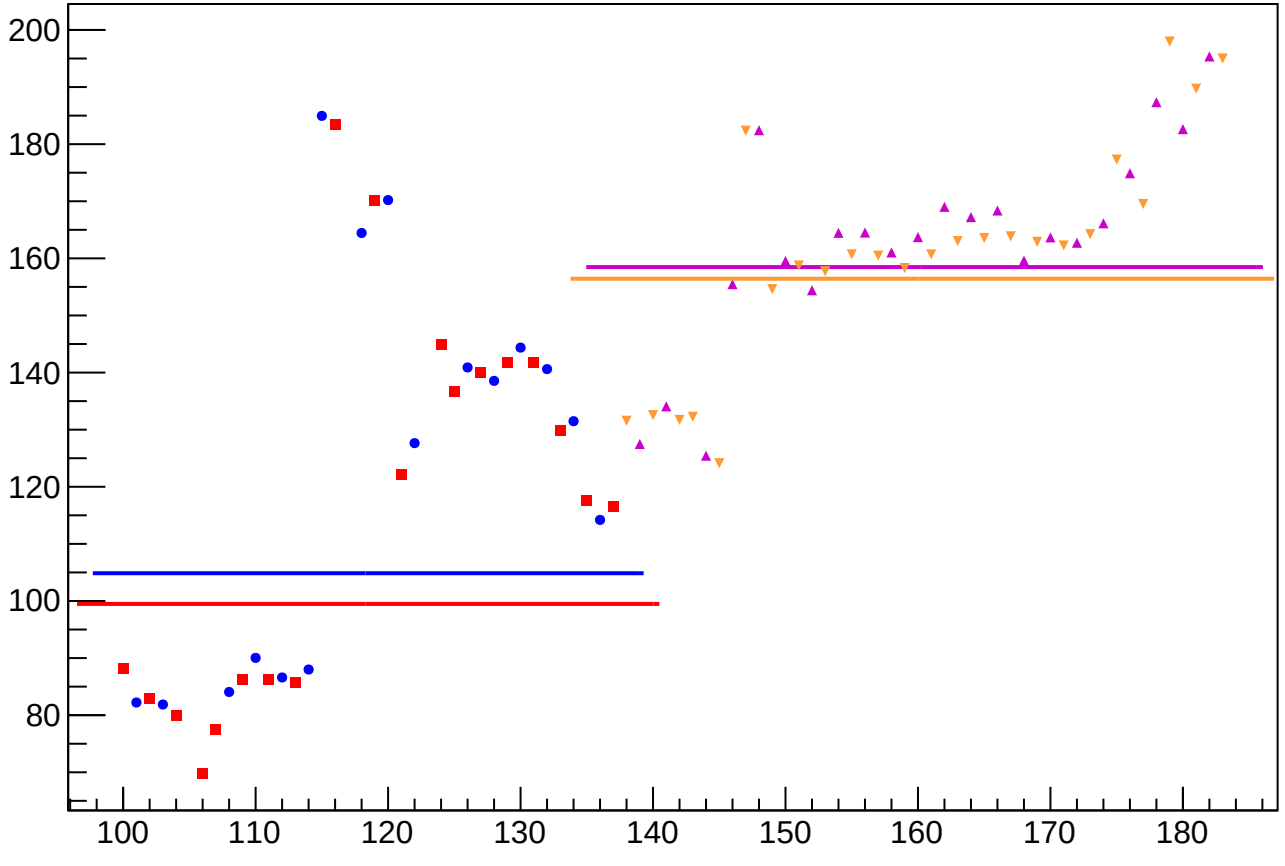
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 94.462+/-27.504 χ^2/NDF:51.2/37

Out: 148.224+/-26.133 χ^2/NDF:51.8/42

All: 122.716+/-18.945 χ^2/NDF: 105.1/80

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 156.439+/-0.026 χ^2/NDF:576899.0/23

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 158.476+/-0.027 χ^2/NDF:478117.2/21

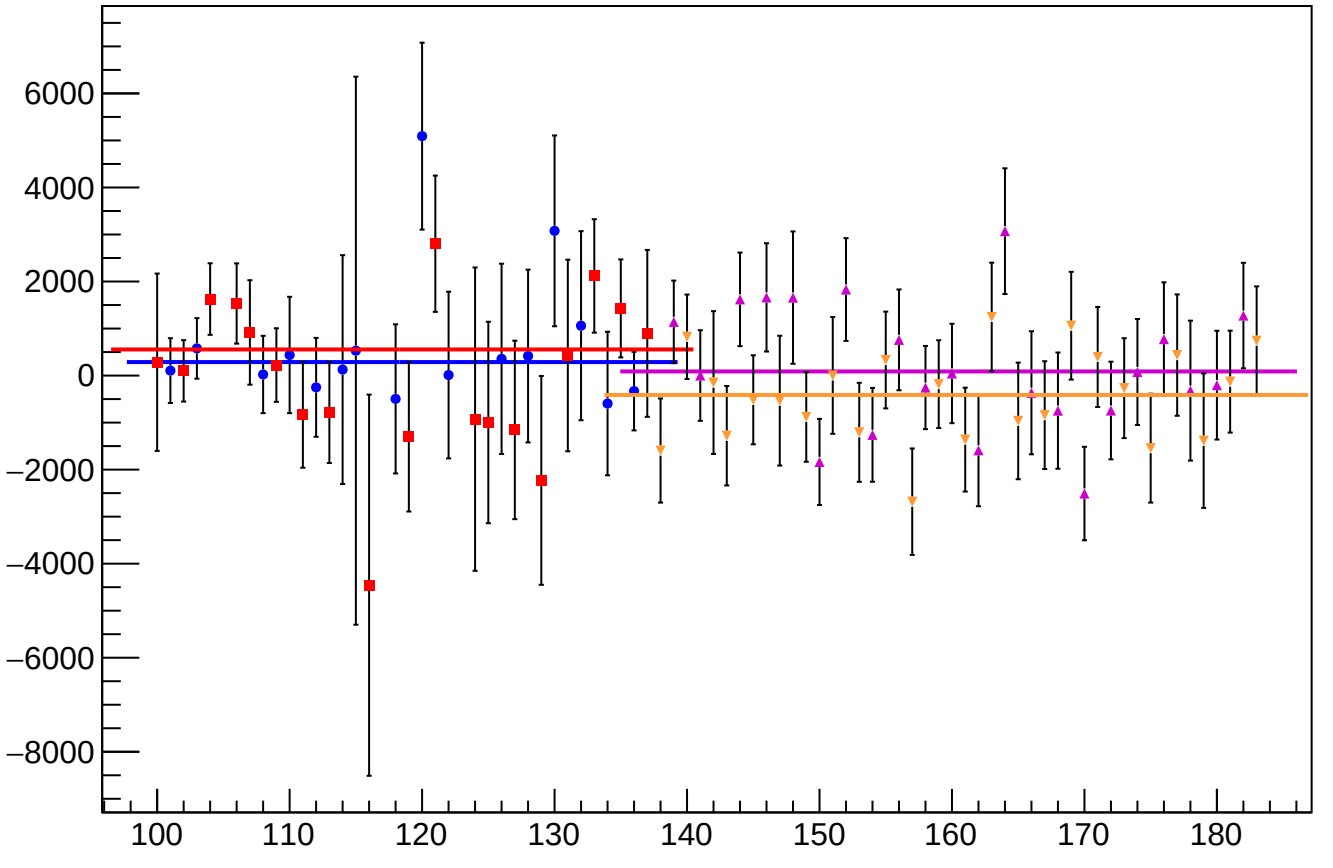
Left: 157.416+/-0.018 χ^2/NDF: 1058072.3/45

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 133.568+/-0.019 χ^2/NDF:3299890.6/37

Out: 129.372+/-0.018 χ^2/NDF:3987235.0/42

All: 131.363+/-0.013 χ^2/NDF: 7311598.3/80



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -412.324+/-226.481 χ^2/NDF:17.6/23

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 87.577+/-231.660 χ^2/NDF:32.9/21

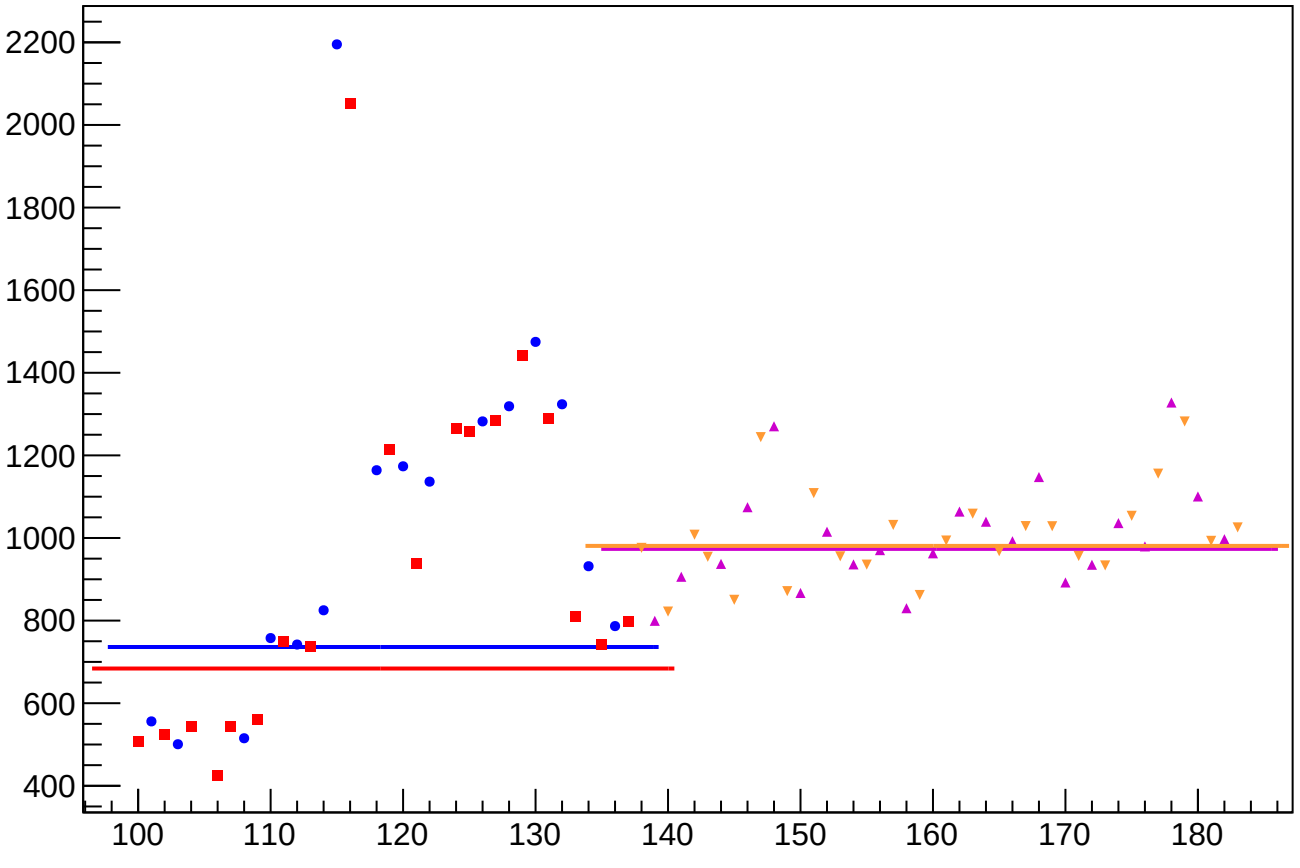
Left: -168.024+/-161.946 χ^2/NDF: 52.8/45

Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 164.104+/-181.835 χ^2/NDF:42.8/37

Out: -12.544+/-173.506 χ^2/NDF:43.1/42

All: 71.641+/-125.529 χ^2/NDF: 86.5/80



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 980.856+/-0.160 χ^2/NDF:422797.6/23

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: 977.310+/-0.115 χ^2/NDF: 922306.5/45

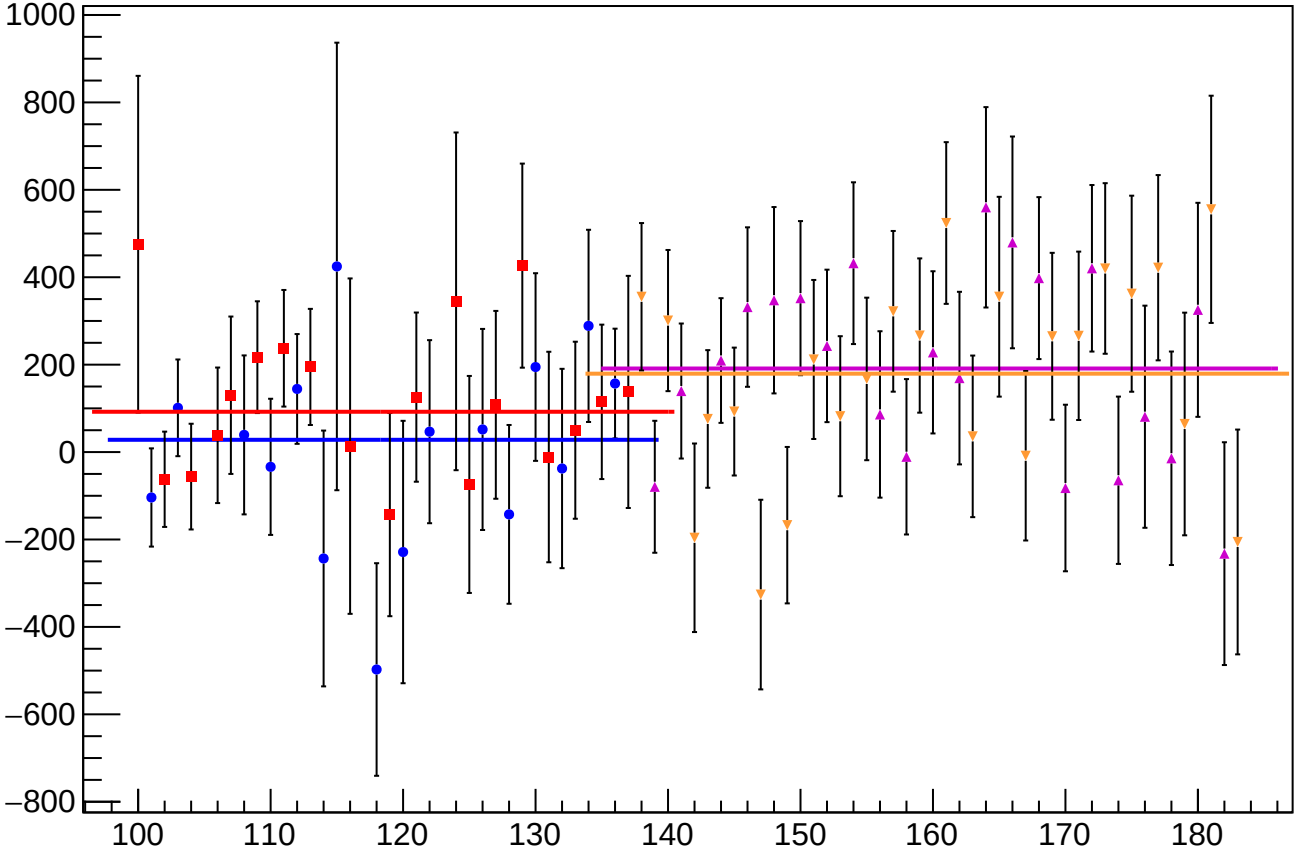
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 882.418+/-0.129 χ^2/NDF:3150115.2/37

Out: 858.217+/-0.123 χ^2/NDF:3692798.7/42

All: 869.750+/-0.089 χ^2/NDF: 6861456.8/80

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 179.356+/-38.997 χ^2/NDF:29.9/23

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: 185.034+/-28.119 χ^2/NDF: 53.1/45

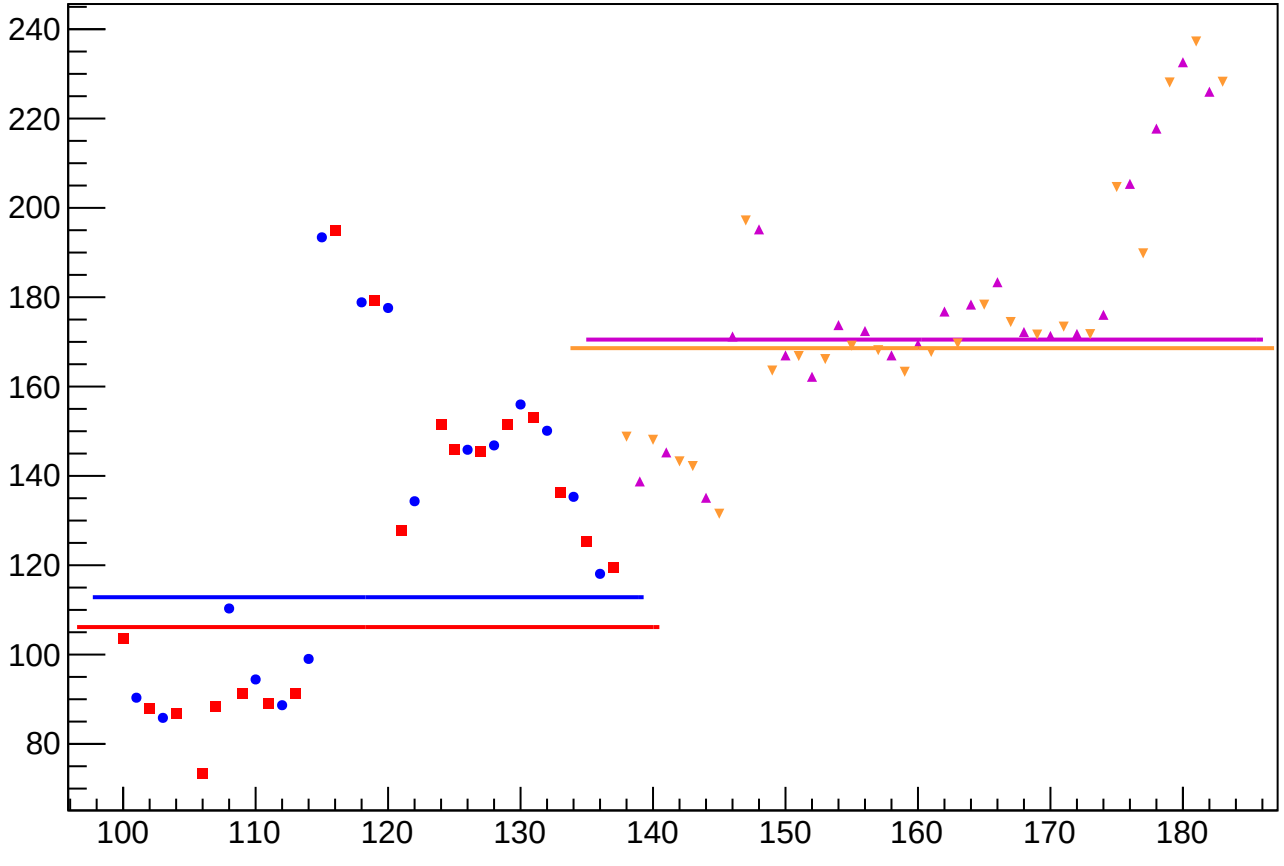
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 115.172+/-29.655 χ^2/NDF:44.3/37

Out: 137.490+/-28.104 χ^2/NDF:44.0/42

All: 126.930+/-20.399 χ^2/NDF: 88.6/80

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 168.597+/-0.028 χ^2/NDF:746525.3/23

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 170.517+/-0.029 χ^2/NDF:646862.7/21

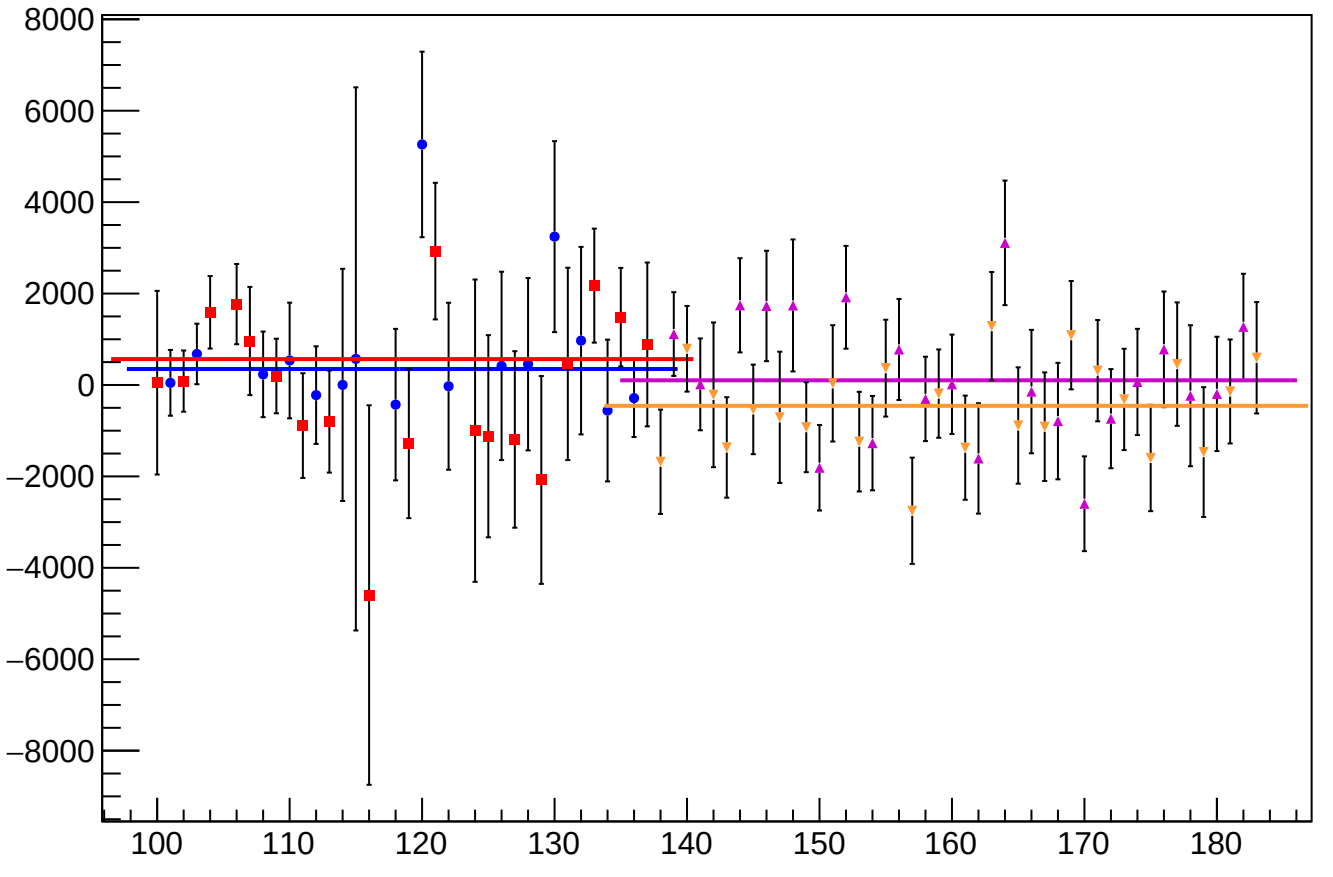
Left: 169.519+/-0.020 χ^2/NDF: 1395714.3/45

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 143.637+/-0.021 χ^2/NDF:3401519.2/37

Out: 138.588+/-0.020 χ^2/NDF:4212896.4/42

All: 140.977+/-0.014 χ^2/NDF: 7644951.4/80



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -456.261+/-234.198 χ^2/NDF:17.2/23

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 101.787+/-240.215 χ^2/NDF:32.2/21

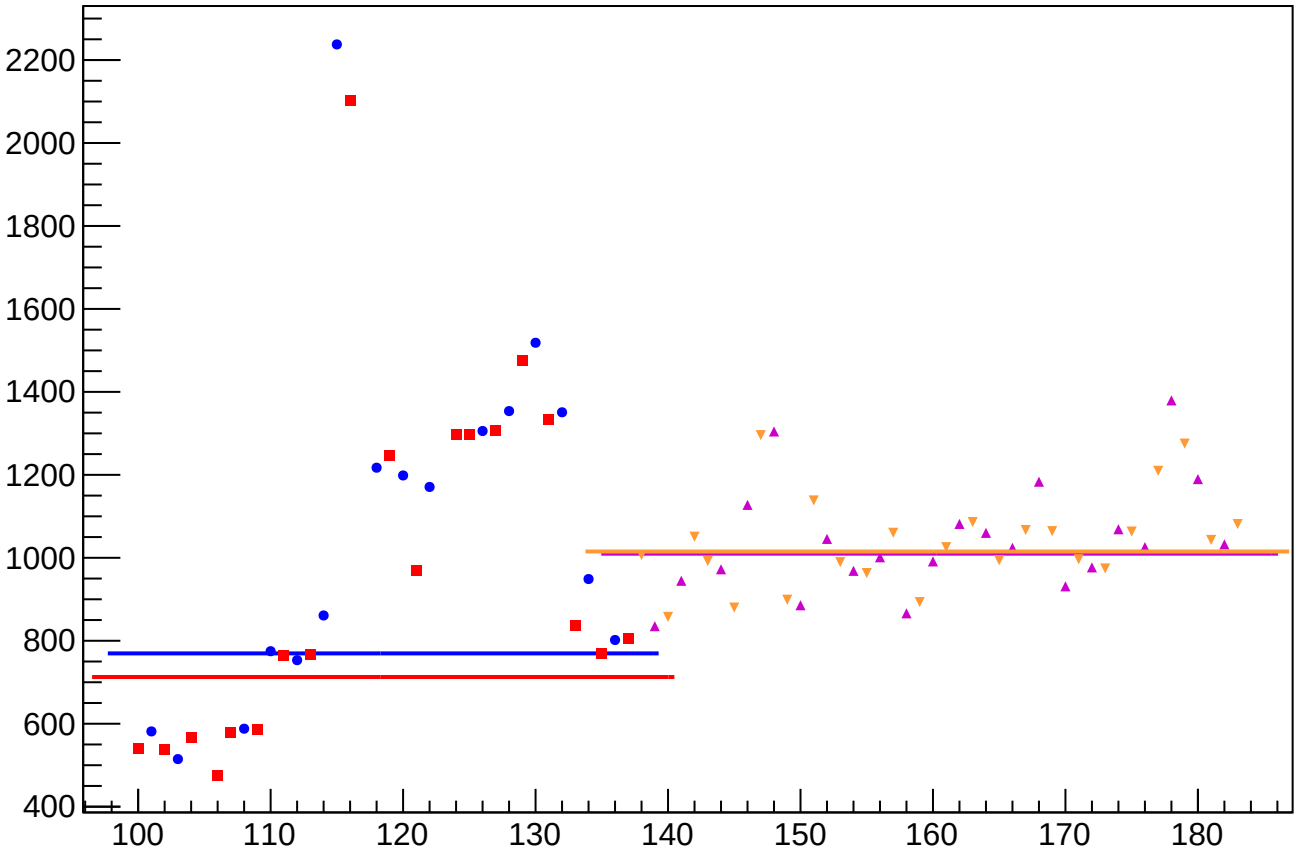
Left: -184.314+/-167.690 χ^2/NDF: 52.1/45

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 196.345+/-188.791 χ^2/NDF:42.4/37

Out: -34.076+/-179.436 χ^2/NDF:43.3/42

All: 75.284+/-130.062 χ^2/NDF: 86.5/80



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 1015.217+/-0.166 χ^2/NDF:397889.6/23

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 1009.951+/-0.170 χ^2/NDF:498625.4/21

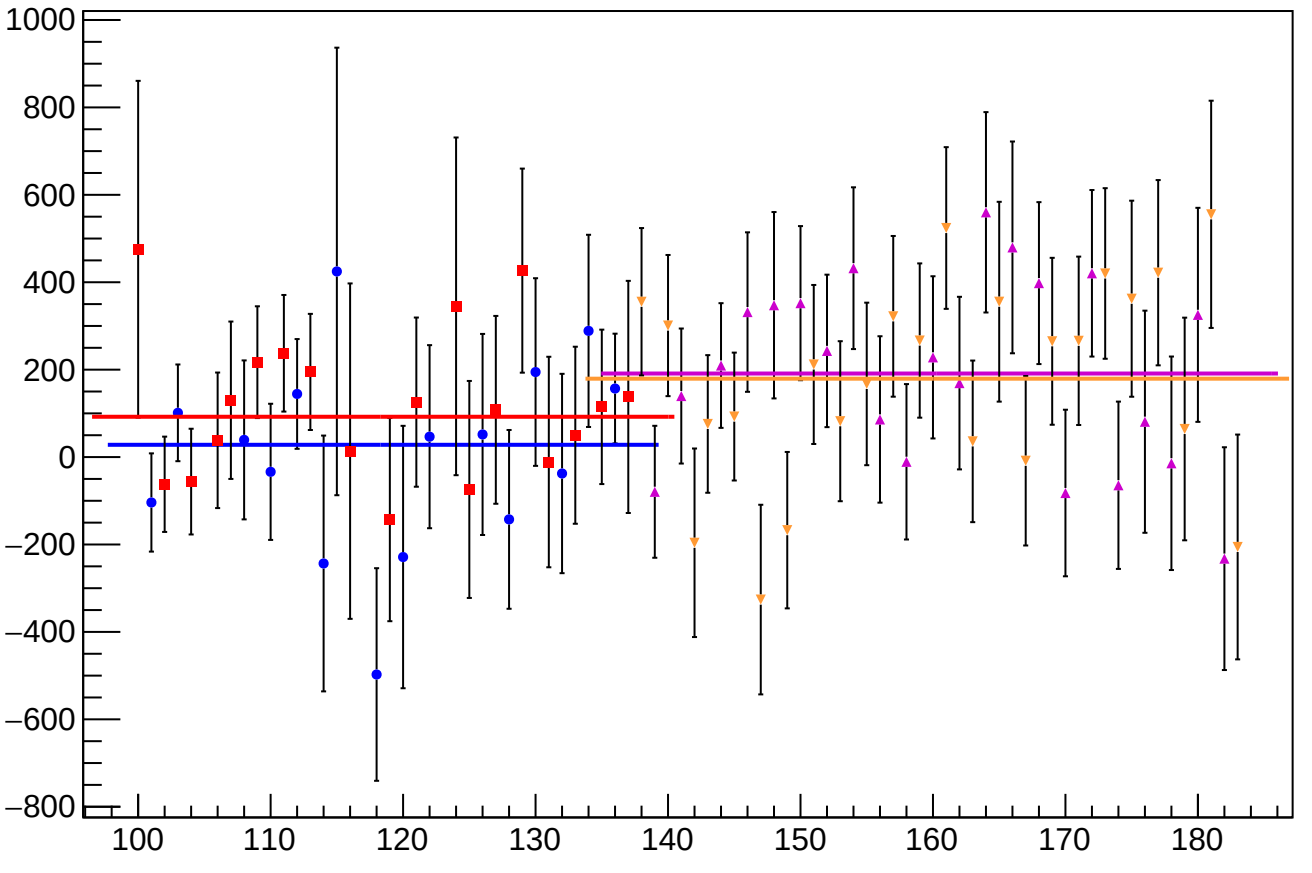
Left: 1012.651+/-0.119 χ^2/NDF: 897007.8/45

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

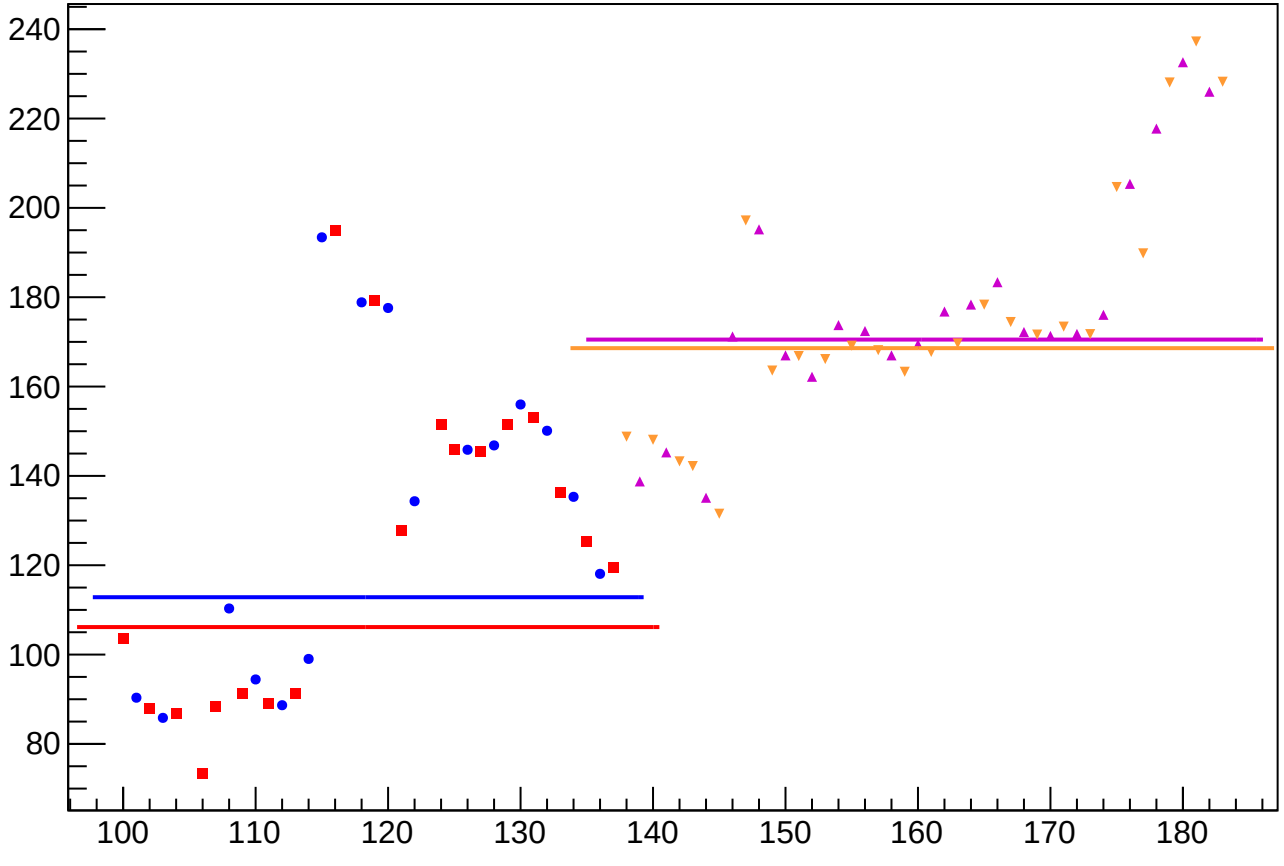
In: 918.043+/-0.133 χ^2/NDF:3004345.5/37

Out: 890.254+/-0.127 χ^2/NDF:3543910.6/42

All: 903.443+/-0.092 χ^2/NDF: 6571023.4/80


eigen_dit_asym_sam5_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
Right In: 28.093+/-43.439 χ²/NDF: 13.6/15
Left Out: 179.356+/-38.997 χ²/NDF:29.9/23
Right Out: 92.247+/-40.539 χ²/NDF: 11.7/18
Left In: 191.183+/-40.585 χ²/NDF:23.2/21
Left: 185.034+/-28.119 χ²/NDF: 53.1/45
Right: 62.383+/-29.637 χ²/NDF: 26.4/34
In: 115.171+/-29.655 χ²/NDF:44.3/37
Out: 137.490+/-28.104 χ²/NDF:44.0/42
All: 126.930+/-20.399 χ²/NDF: 88.6/80

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 168.597+/-0.028 χ^2/NDF:746513.8/23

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 170.517+/-0.029 χ^2/NDF:646852.9/21

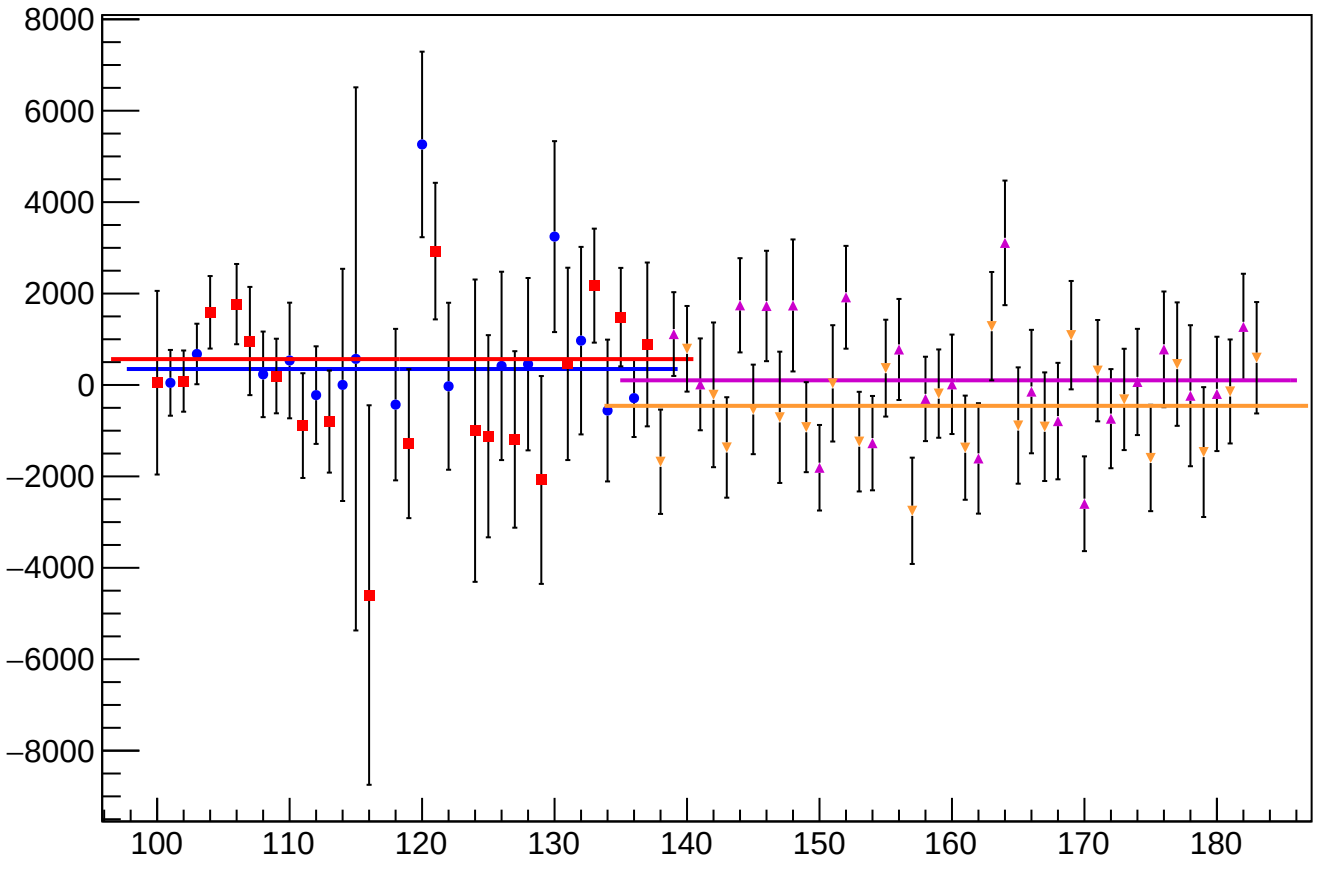
Left: 169.519+/-0.020 χ^2/NDF: 1395693.4/45

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 143.636+/-0.021 χ^2/NDF:3401543.6/37

Out: 138.588+/-0.020 χ^2/NDF:4212903.4/42

All: 140.977+/-0.014 χ^2/NDF: 7644983.0/80



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -456.260+/-234.198 χ^2/NDF:17.2/23

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 101.788+/-240.215 χ^2/NDF:32.2/21

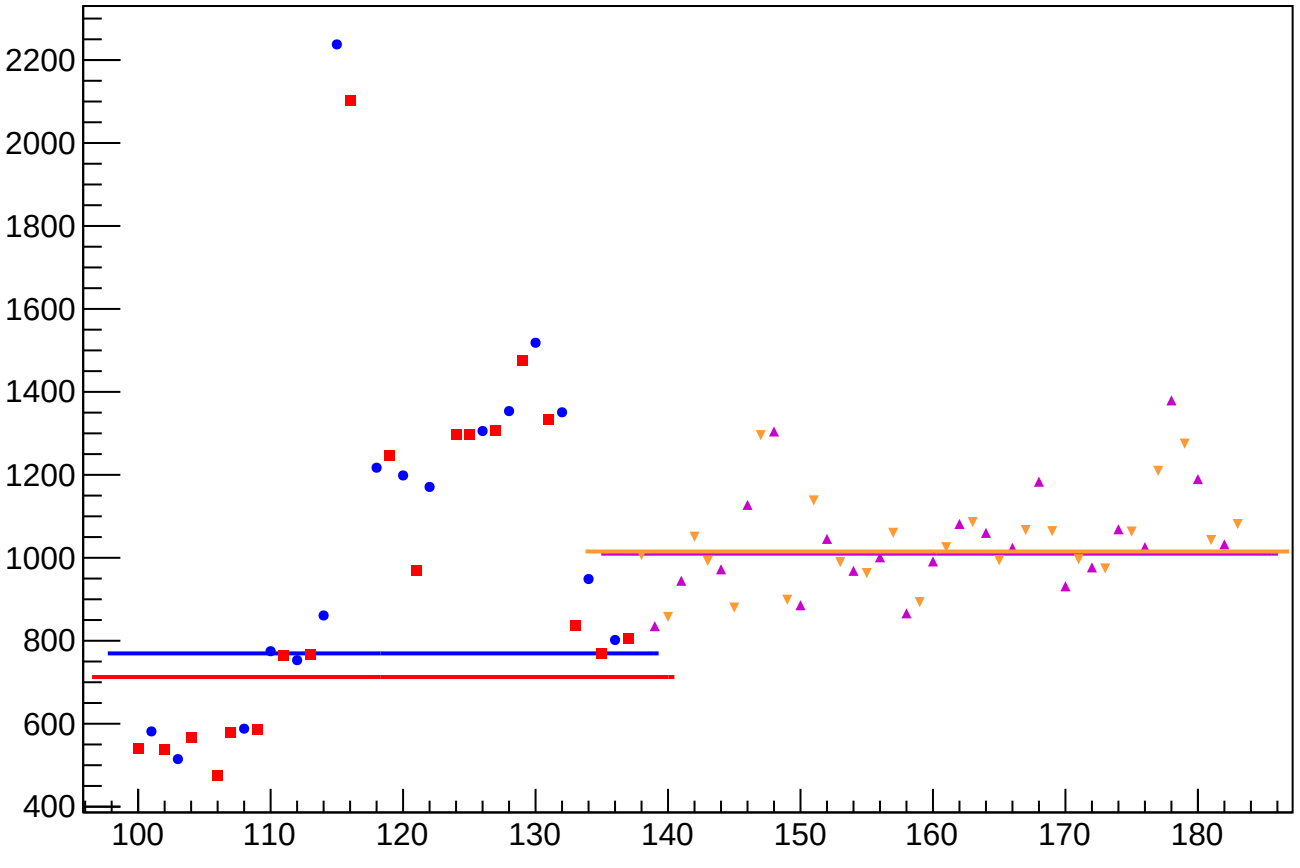
Left: -184.313+/-167.690 χ^2/NDF: 52.1/45

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 196.345+/-188.791 χ^2/NDF:42.4/37

Out: -34.074+/-179.436 χ^2/NDF:43.3/42

All: 75.285+/-130.062 χ^2/NDF: 86.5/80



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 1015.218+/-0.166 χ^2/NDF:397888.0/23

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: 1012.652+/-0.119 χ^2/NDF: 897006.1/45

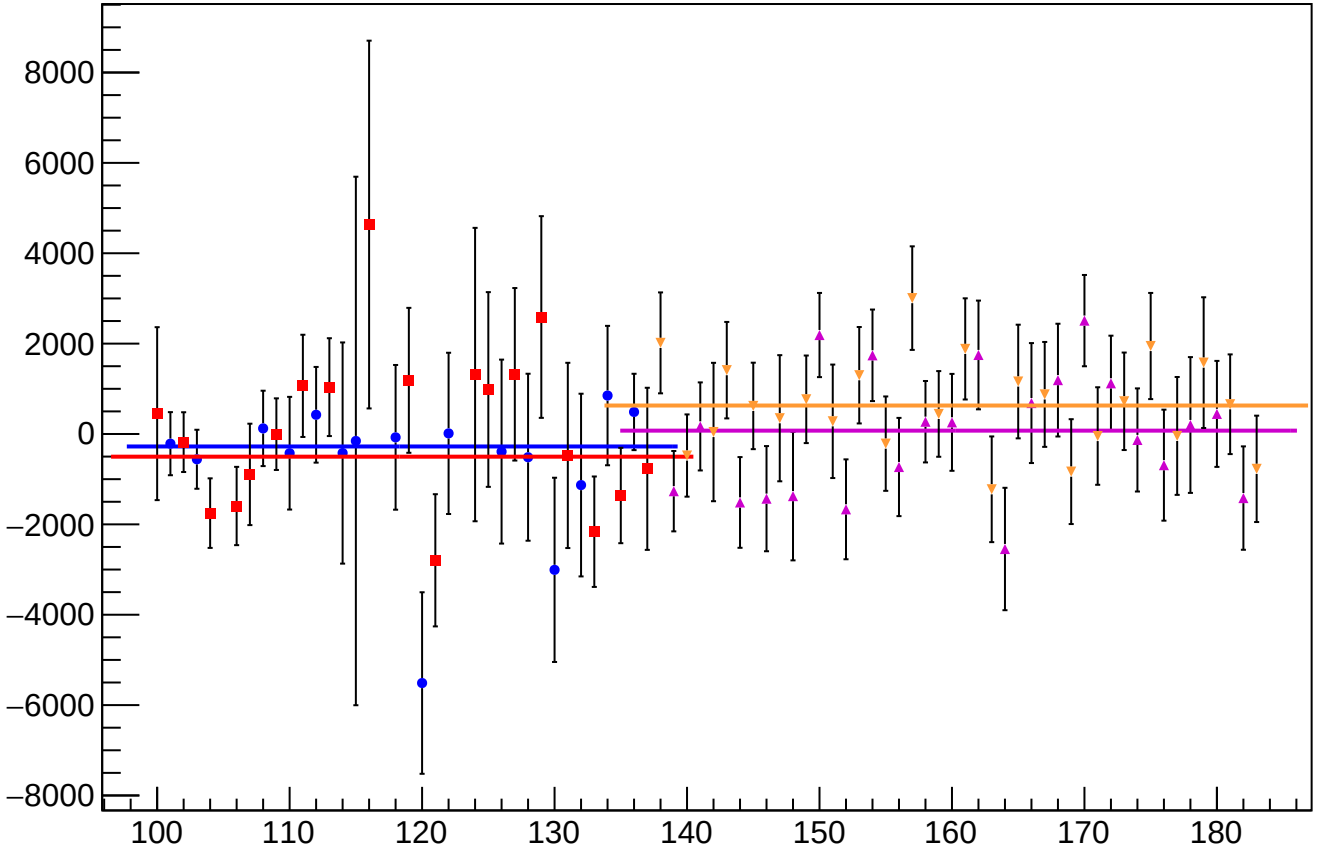
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 918.044+/-0.133 χ^2/NDF:3004359.3/37

Out: 890.254+/-0.127 χ^2/NDF:3543923.8/42

All: 903.443+/-0.092 χ^2/NDF: 6571050.7/80

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 630.126+/-229.515 χ^2/NDF:18.6/23

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: 358.566+/-164.158 χ^2/NDF: 55.6/45

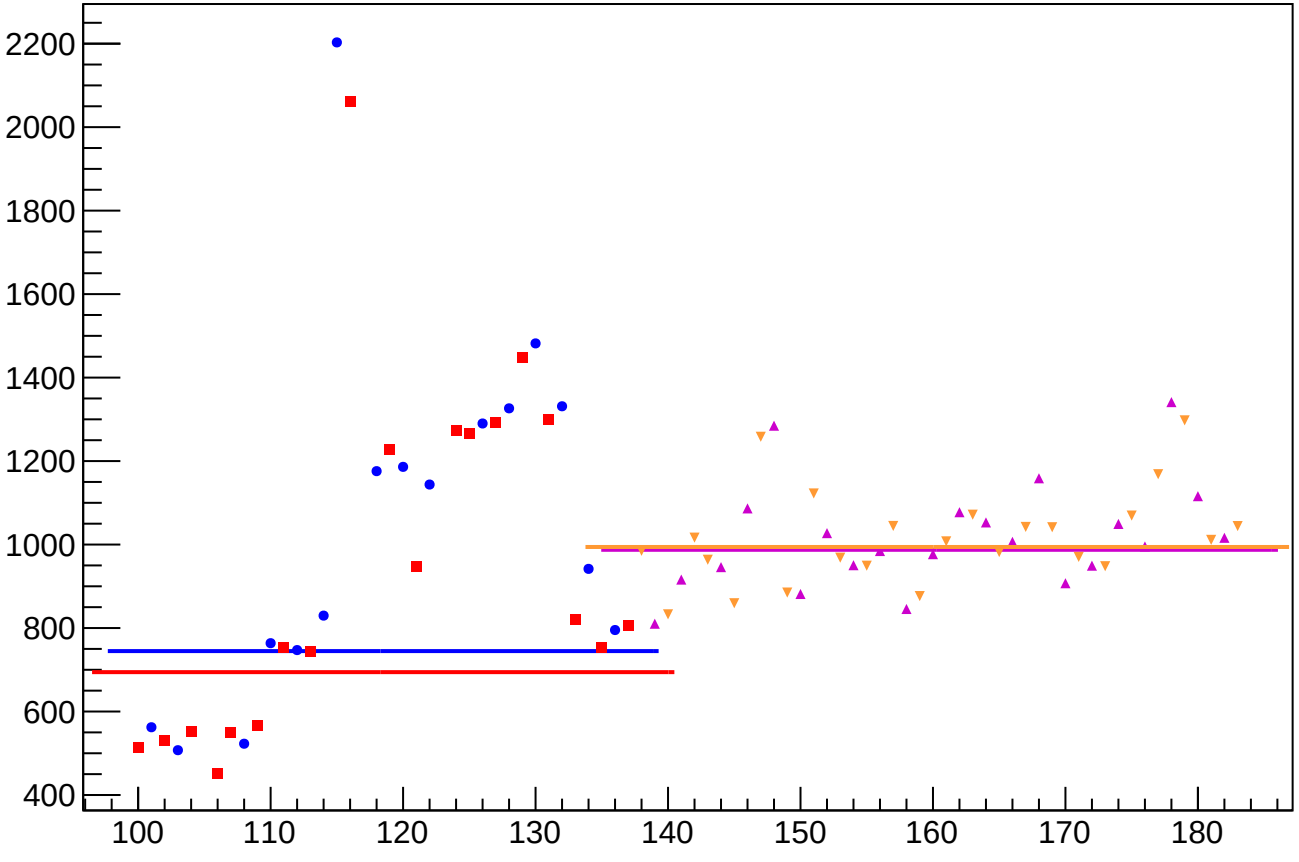
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -60.831+/-184.165 χ^2/NDF:46.1/37

Out: 161.291+/-175.676 χ^2/NDF:49.1/42

All: 55.467+/-127.117 χ^2/NDF: 96.0/80

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 994.206+/-0.162 χ^2/NDF:418675.8/23

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 987.445+/-0.166 χ^2/NDF:487469.6/21

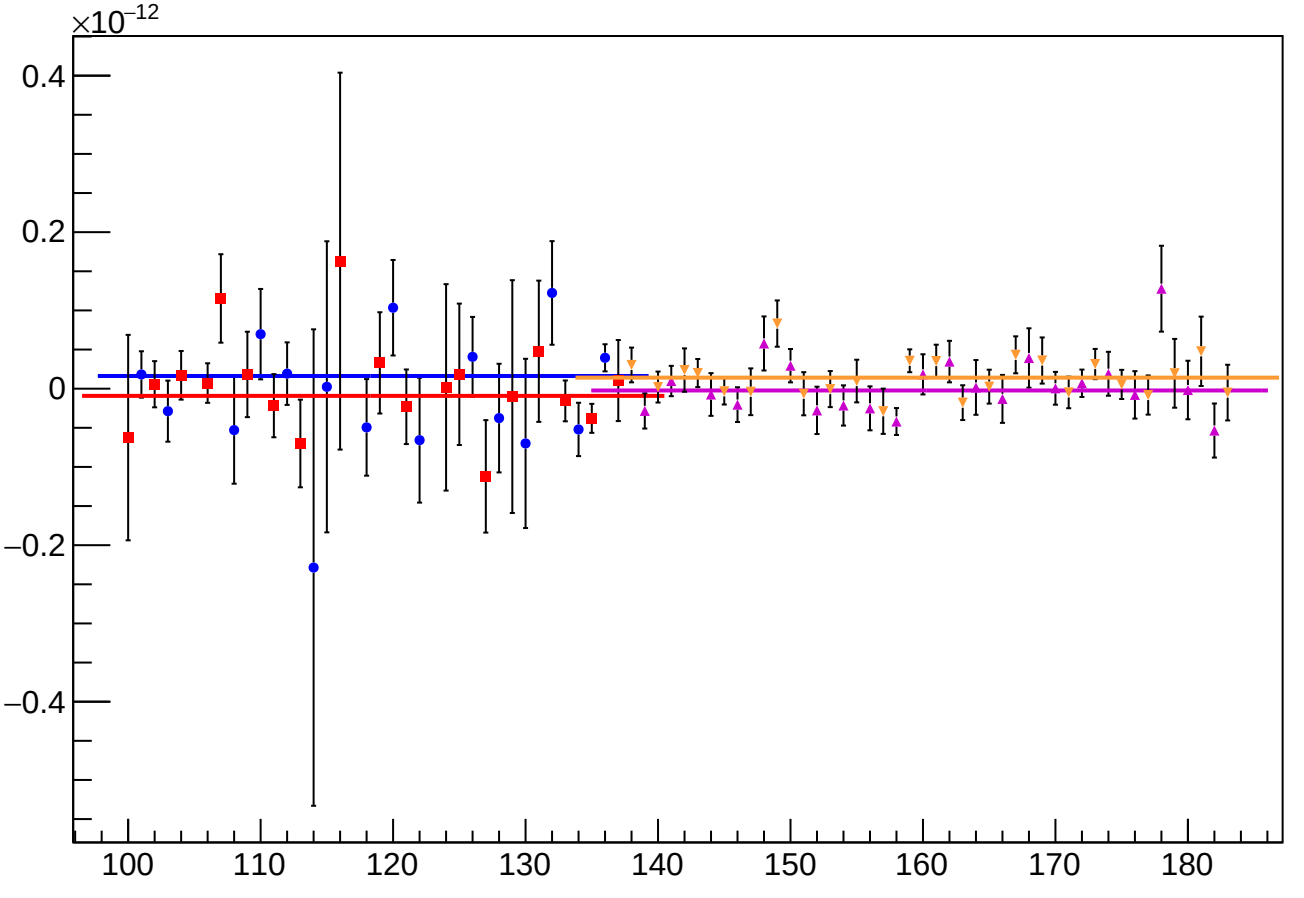
Left: 990.903+/-0.116 χ^2/NDF: 906993.1/45

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 893.956+/-0.130 χ^2/NDF:3132388.4/37

Out: 870.027+/-0.124 χ^2/NDF:3636158.9/42

All: 881.428+/-0.090 χ^2/NDF: 6786225.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:27.5/21

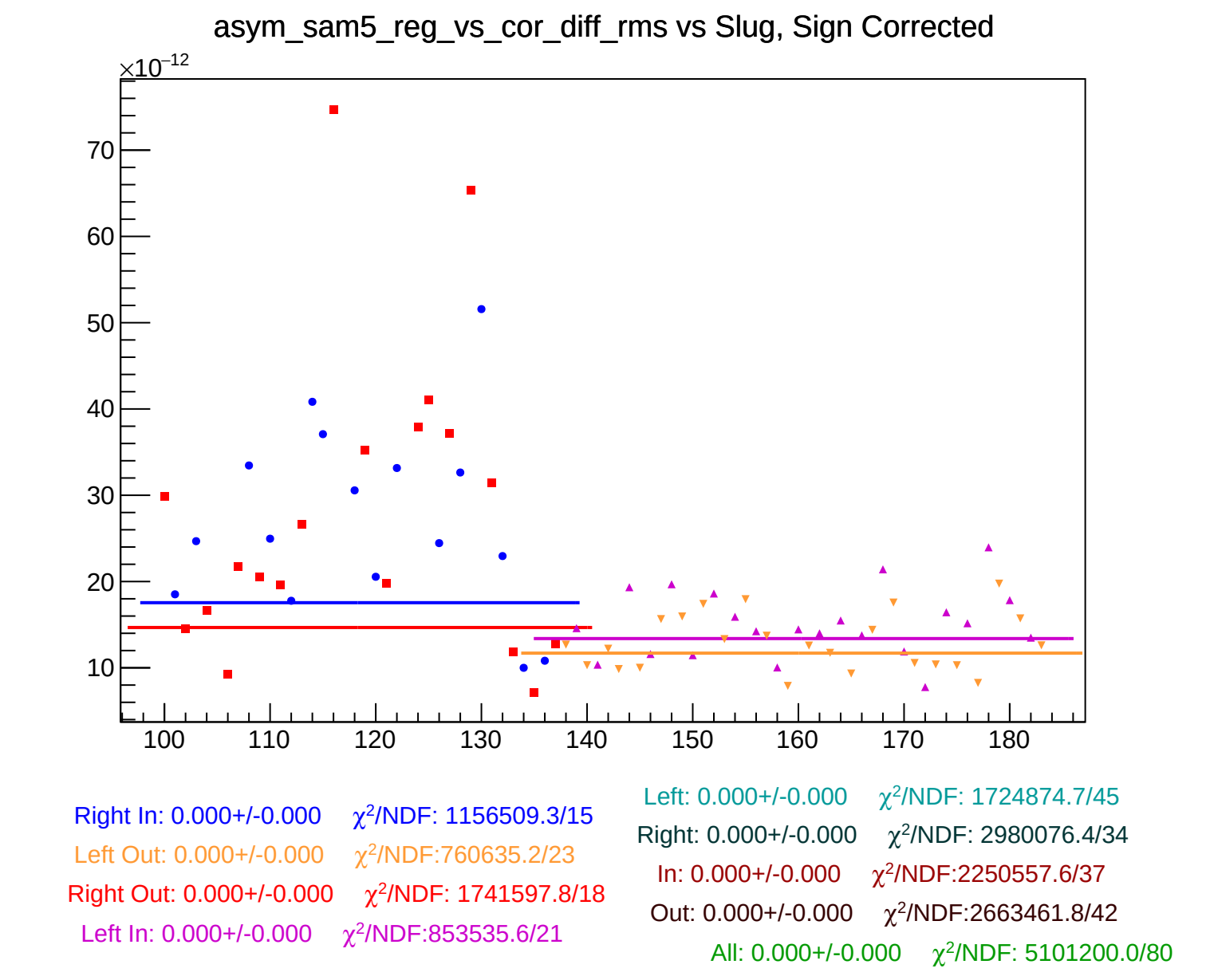
Left: 0.000+/-0.000 χ^2/NDF: 55.2/45

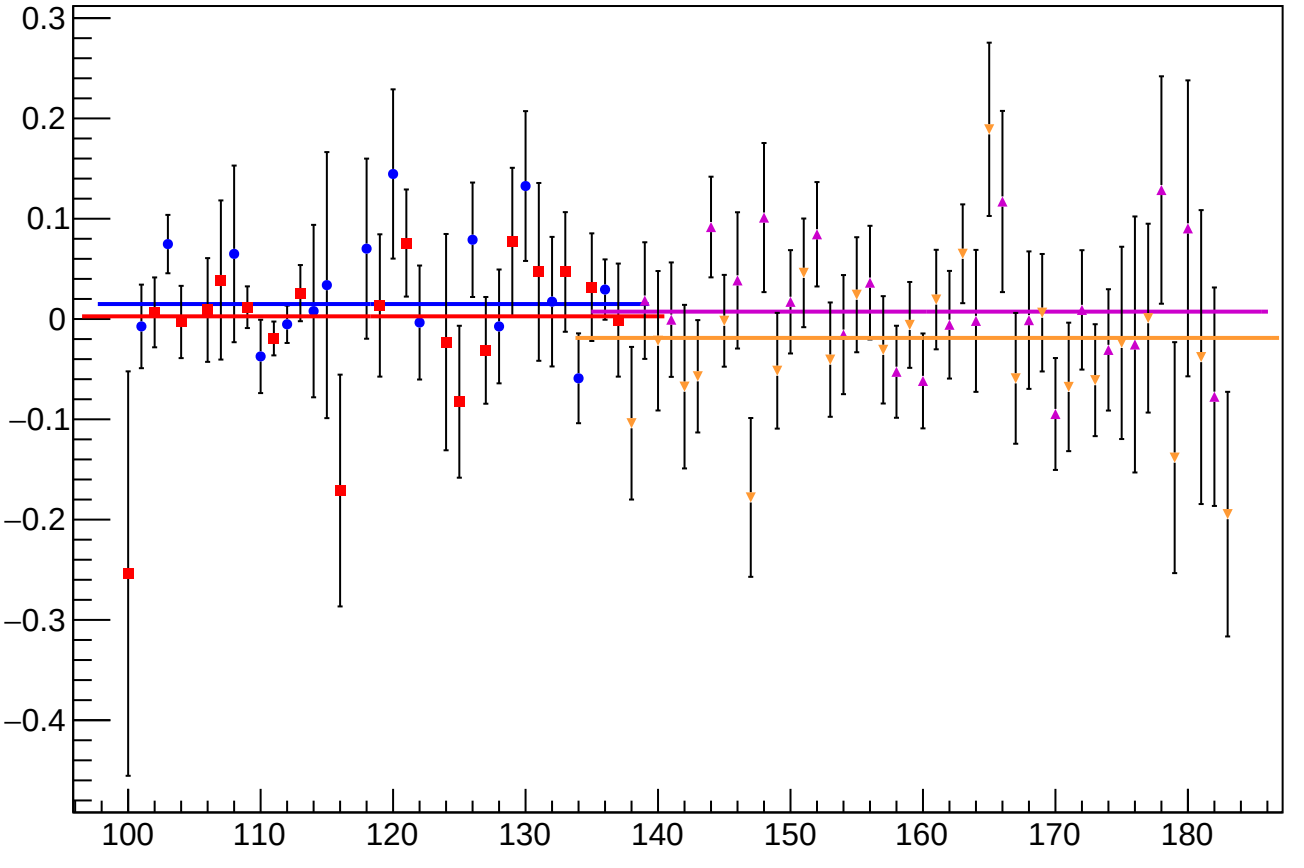
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:47.9/37

Out: 0.000+/-0.000 χ^2/NDF:41.5/42

All: 0.000+/-0.000 χ^2/NDF: 90.9/80


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:760635.2/23
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: 1724874.7/45
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:2663461.8/42
All: 0.000+/-0.000 χ²/NDF: 5101200.0/80



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.019+/-0.013 χ^2/NDF:23.1/23

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: -0.006+/-0.009 χ^2/NDF: 43.7/45

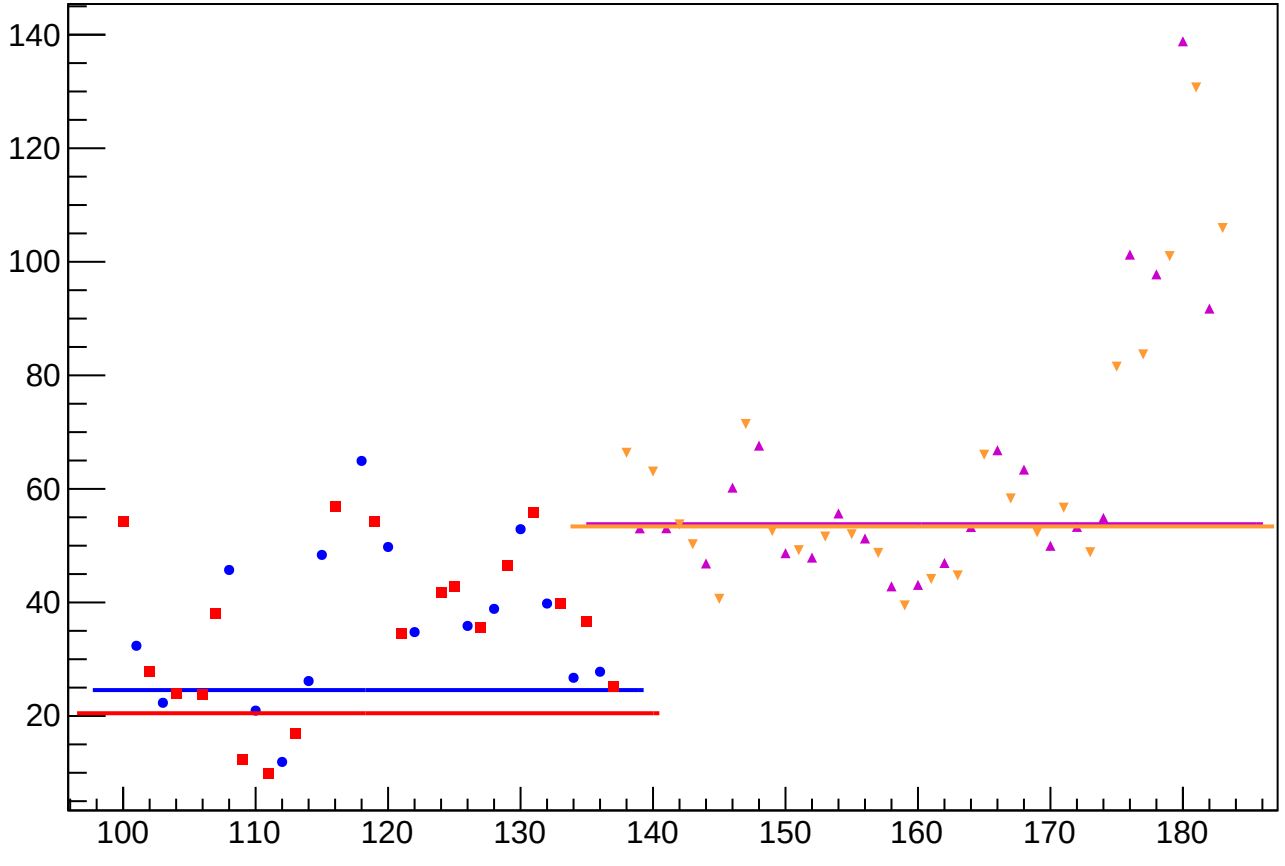
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:36.6/37

Out: -0.005+/-0.007 χ^2/NDF:37.4/42

All: 0.003+/-0.006 χ^2/NDF: 76.2/80

asym_sam5_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 53.391+/-0.009 χ^2/NDF:2458190.7/23

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: 53.580+/-0.007 χ^2/NDF: 4461431.5/45

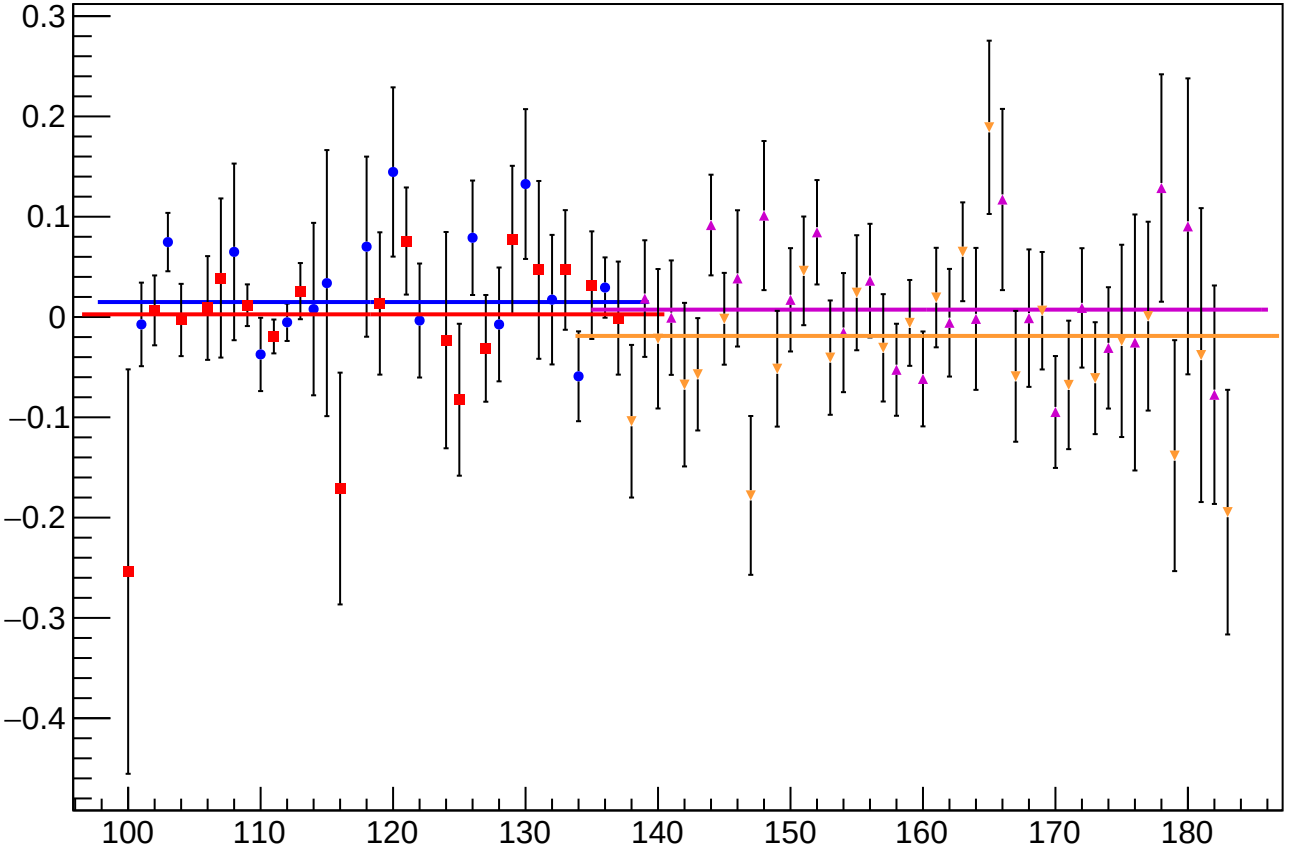
Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 35.943+/-0.006 χ^2/NDF:10417484.3/37

Out: 31.719+/-0.005 χ^2/NDF:14724483.6/42

All: 33.621+/-0.004 χ^2/NDF: 25428562.8/80

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.019+/-0.013 χ^2/NDF:23.1/23

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: -0.006+/-0.009 χ^2/NDF: 43.7/45

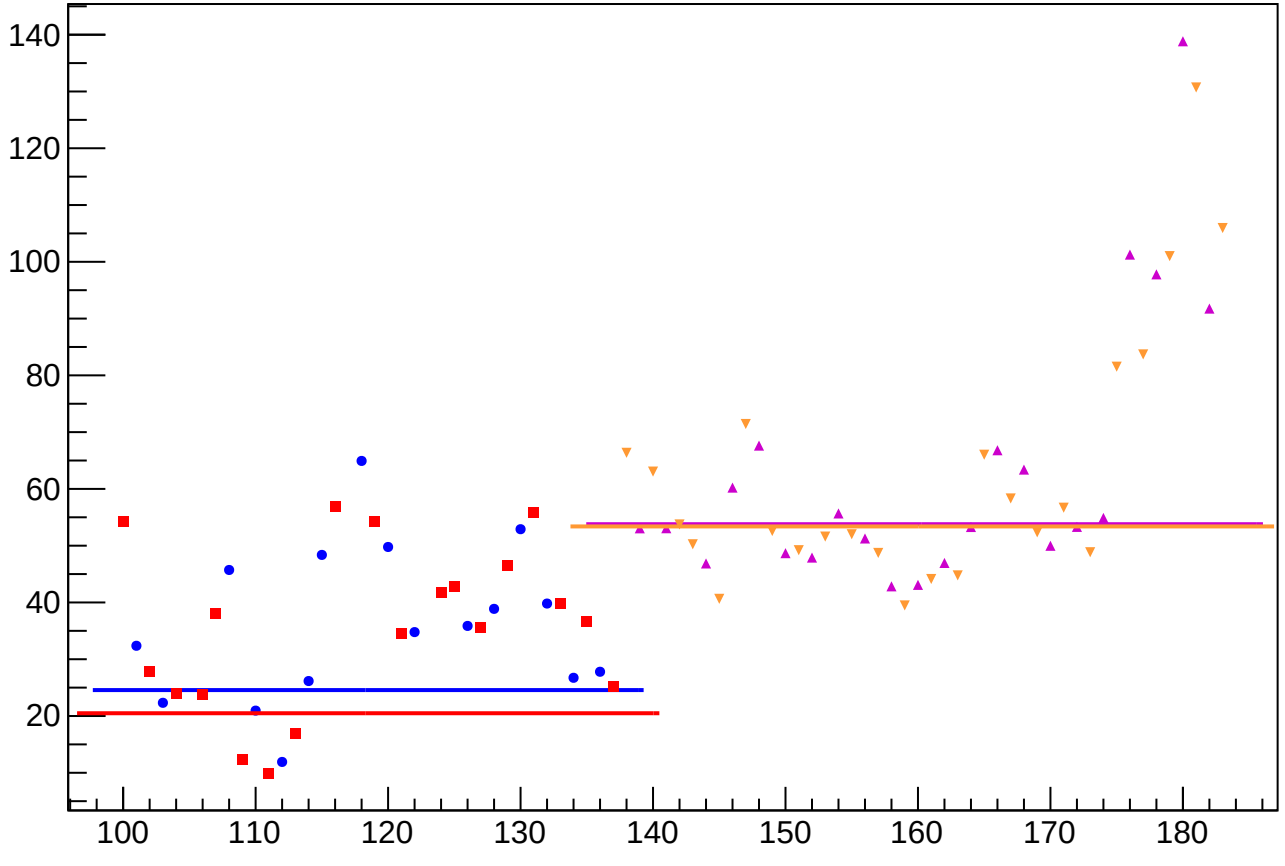
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:36.6/37

Out: -0.005+/-0.007 χ^2/NDF:37.4/42

All: 0.003+/-0.006 χ^2/NDF: 76.2/80

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: 53.391+/-0.009 χ^2/NDF:2458190.7/23

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.782+/-0.009 χ^2/NDF:2002337.2/21

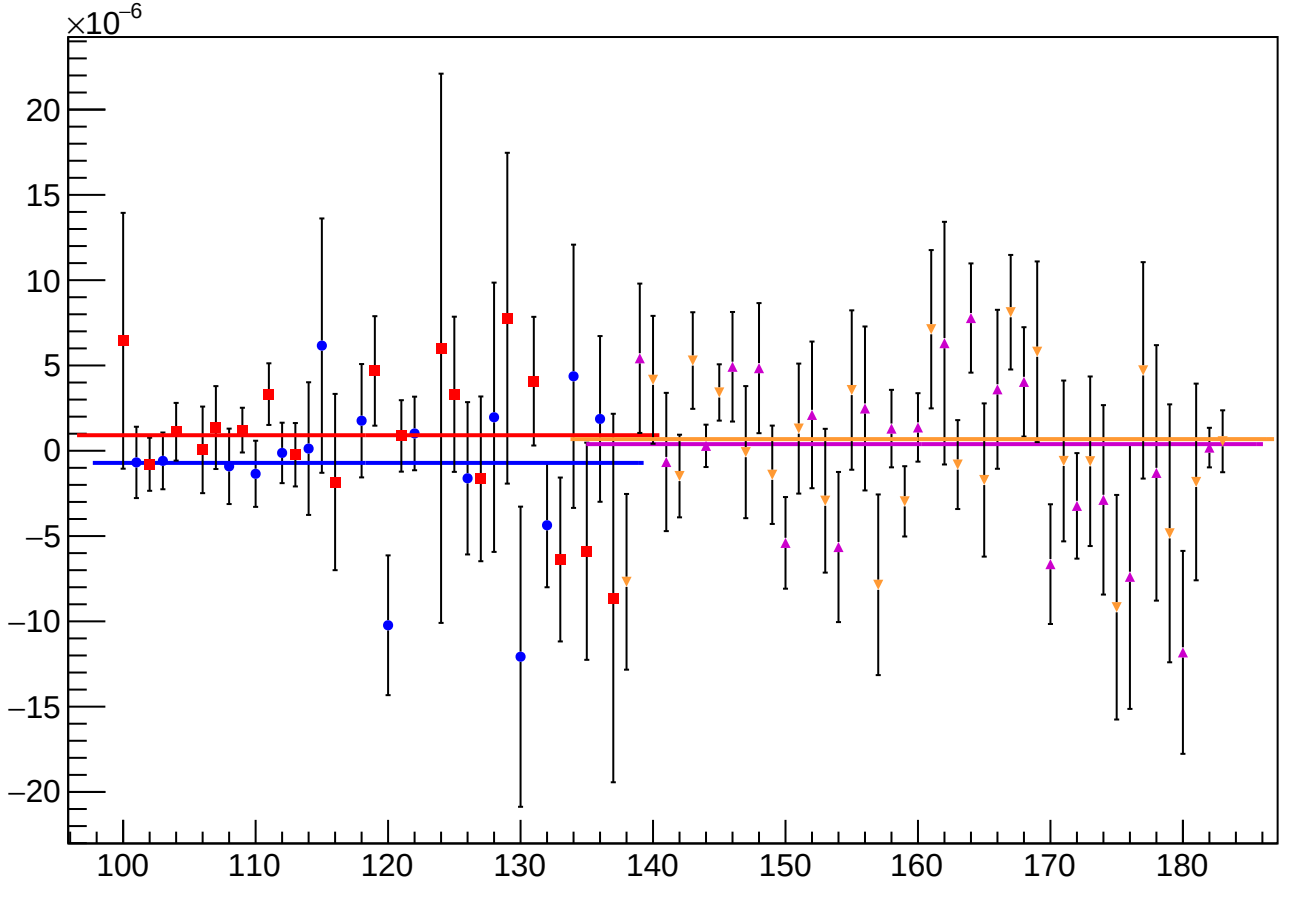
Left: 53.580+/-0.007 χ^2/NDF: 4461431.5/45

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 35.943+/-0.006 χ^2/NDF:10417484.3/37

Out: 31.719+/-0.005 χ^2/NDF:14724483.6/42

All: 33.621+/-0.004 χ^2/NDF: 25428562.8/80



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:30.9/21

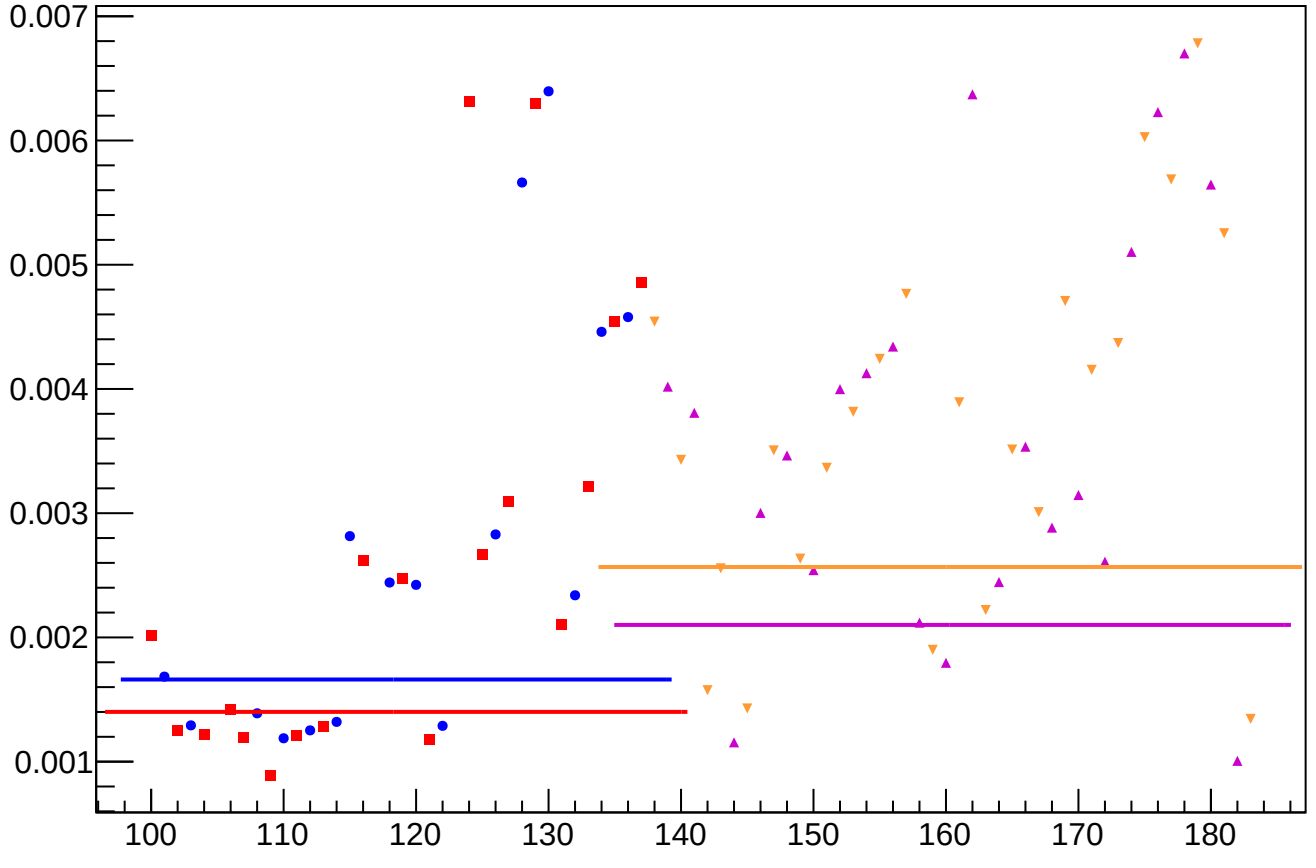
Left: 0.000+/-0.000 χ^2/NDF: 60.0/45

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:41.0/42

All: 0.000+/-0.000 χ^2/NDF: 86.5/80



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:7020089.1/23

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: 16918053.8/45

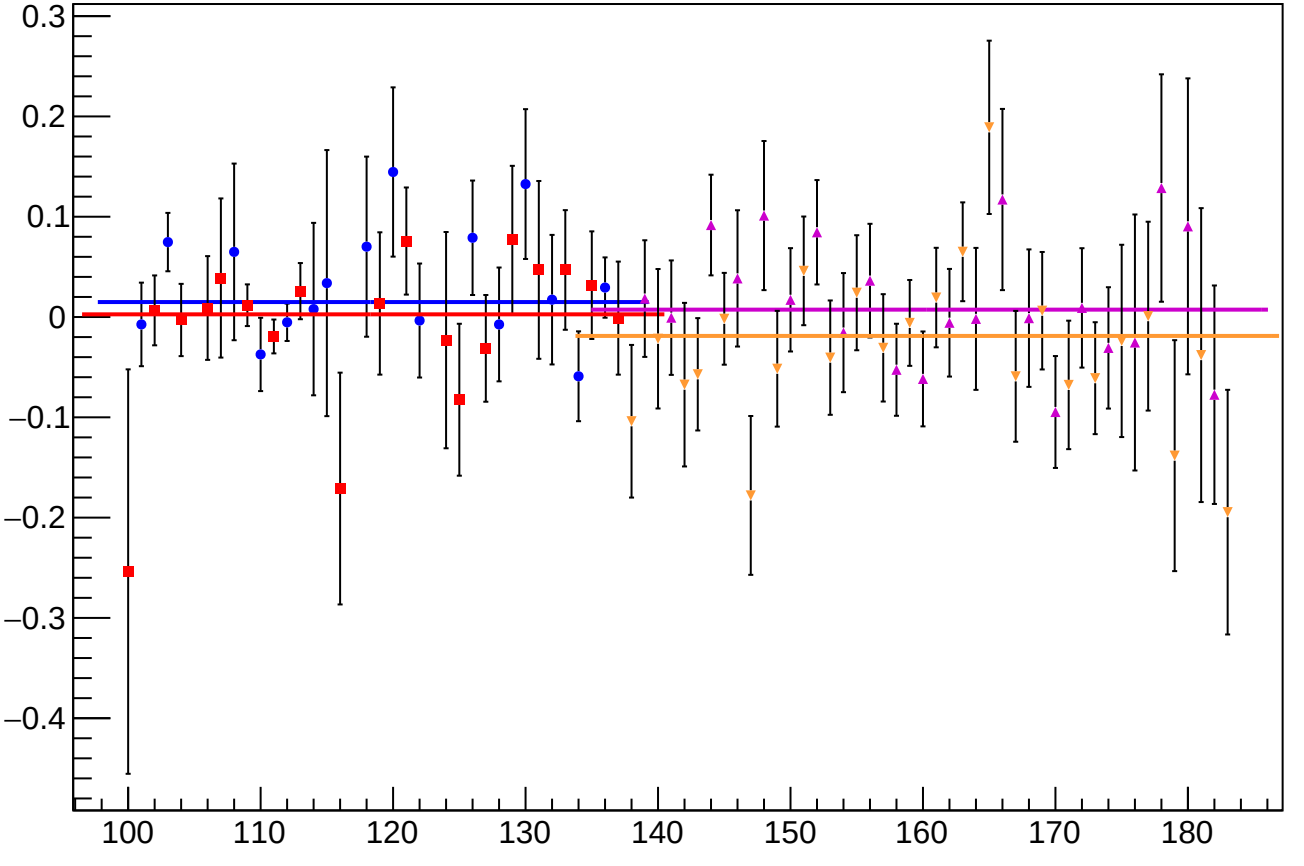
Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:12750864.3/37

Out: 0.002+/-0.000 χ^2/NDF:13382696.7/42

All: 0.002+/-0.000 χ^2/NDF: 26134047.5/80

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.019+/-0.013 χ^2/NDF:23.1/23

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.007+/-0.013 χ^2/NDF:18.6/21

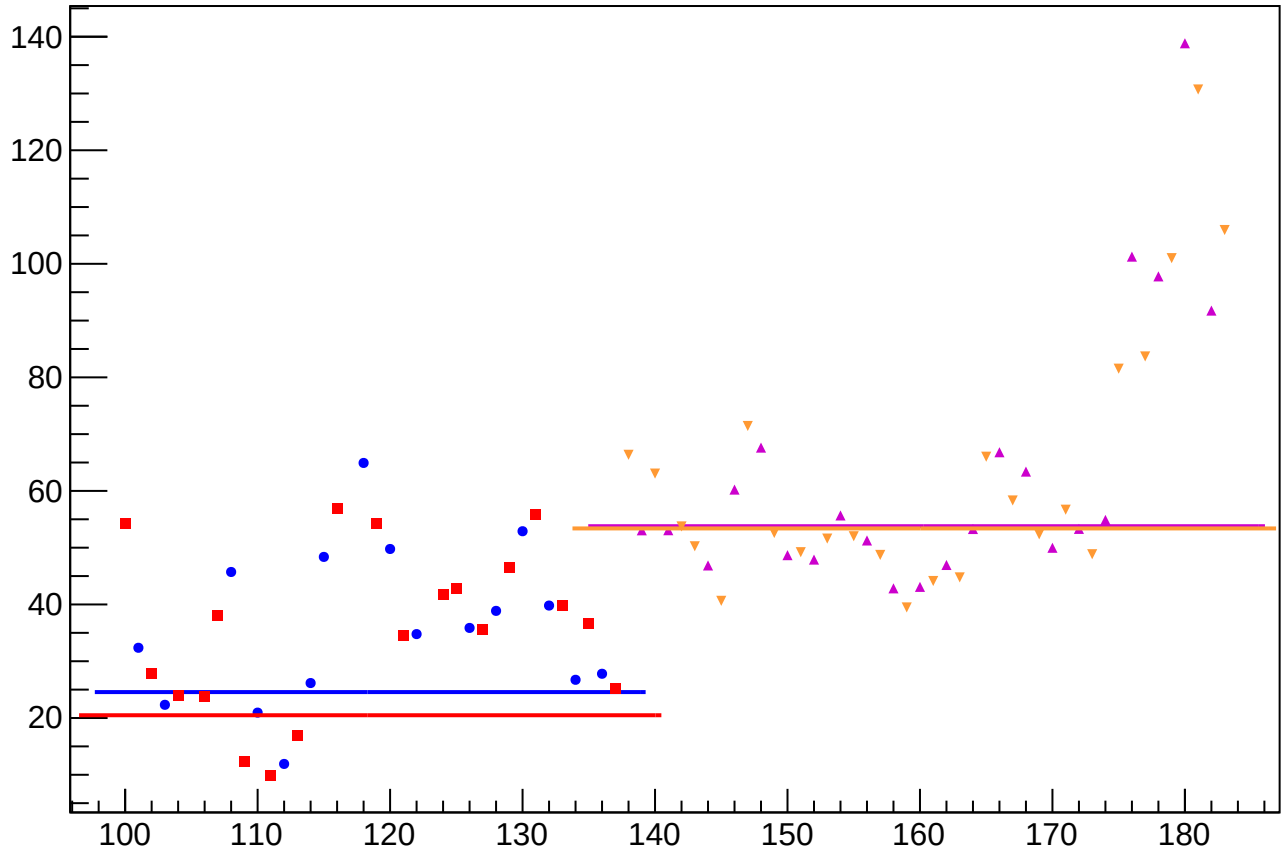
Left: -0.006+/-0.009 χ^2/NDF: 43.7/45

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:36.6/37

Out: -0.005+/-0.007 χ^2/NDF:37.4/42

All: 0.003+/-0.006 χ^2/NDF: 76.2/80



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.391+/-0.009 χ^2/NDF:2458238.4/23

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.783+/-0.009 χ^2/NDF:2002378.2/21

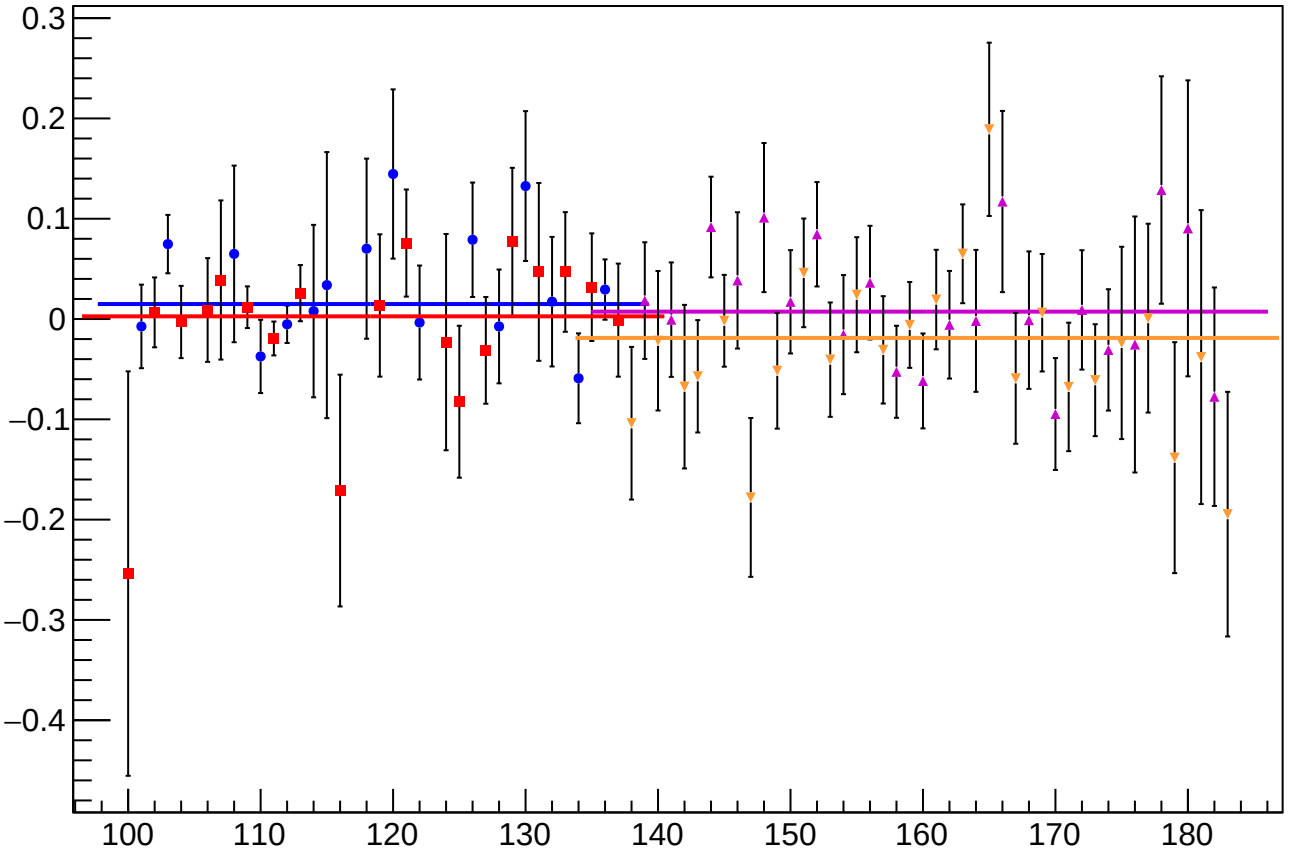
Left: 53.580+/-0.007 χ^2/NDF: 4461520.5/45

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 35.942+/-0.006 χ^2/NDF:10417802.4/37

Out: 31.718+/-0.005 χ^2/NDF:14724963.2/42

All: 33.620+/-0.004 χ^2/NDF: 25429378.8/80



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.019+/-0.013 χ^2/NDF:23.1/23

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.007+/-0.013 χ^2/NDF:18.6/21

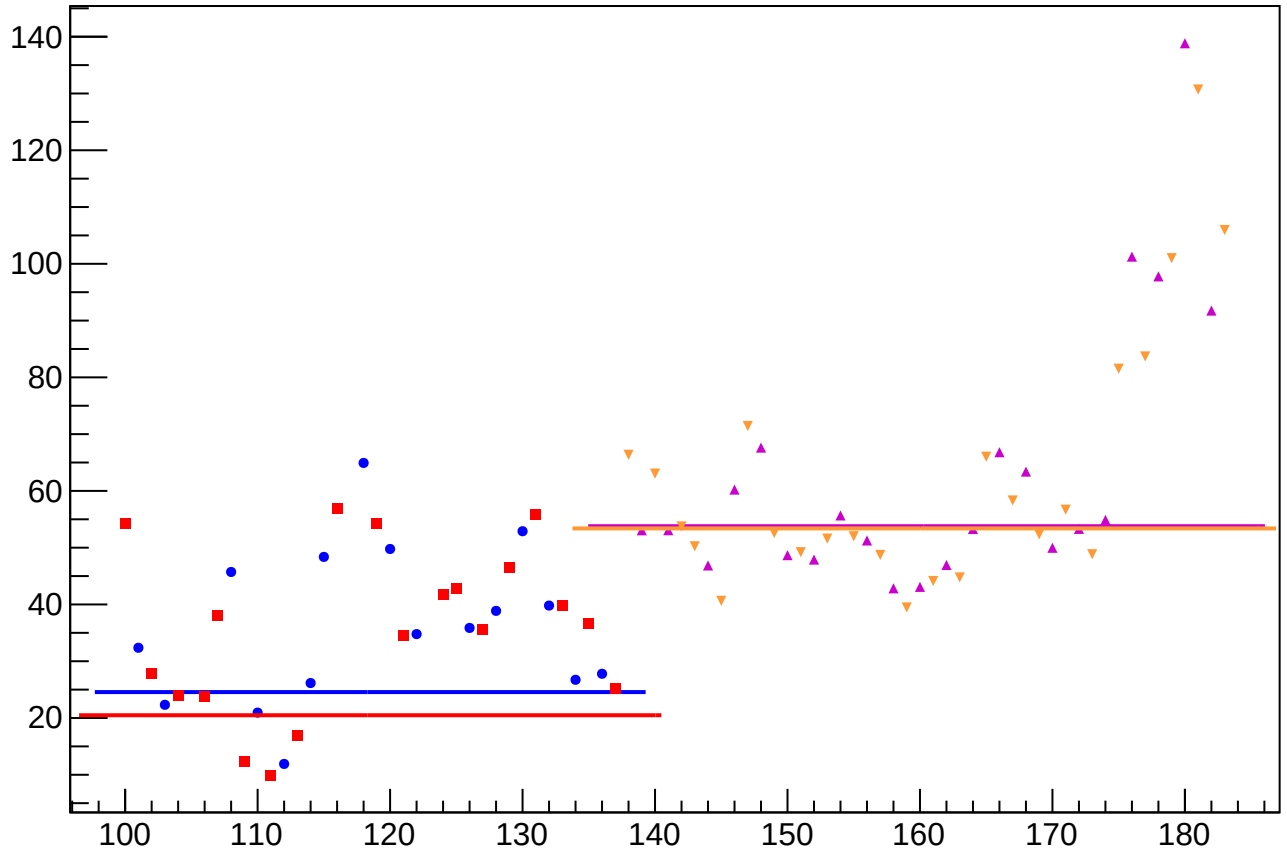
Left: -0.006+/-0.009 χ^2/NDF: 43.7/45

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:36.6/37

Out: -0.005+/-0.007 χ^2/NDF:37.4/42

All: 0.003+/-0.006 χ^2/NDF: 76.2/80



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.391+/-0.009 χ^2/NDF:2458238.4/23

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.783+/-0.009 χ^2/NDF:2002378.2/21

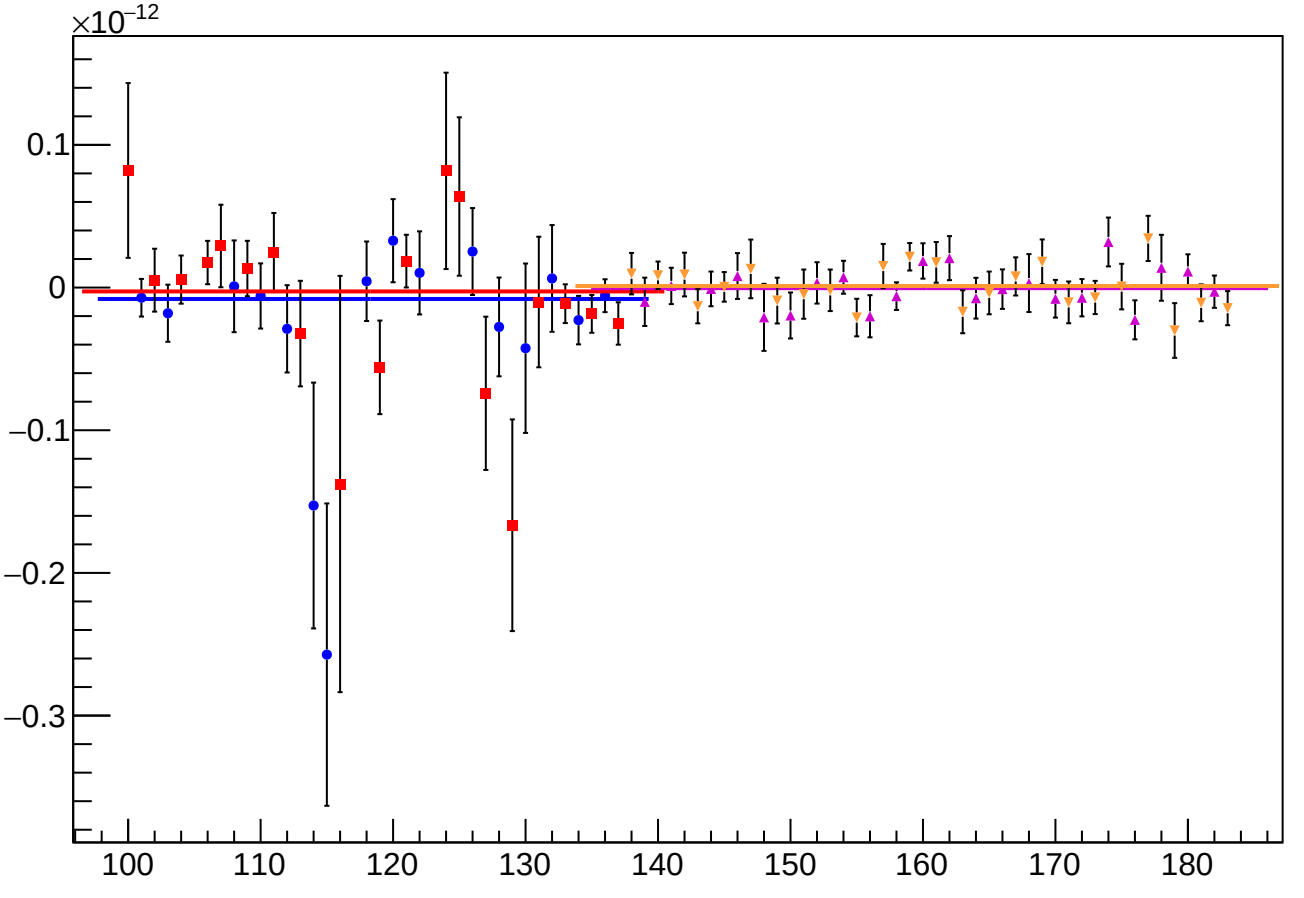
Left: 53.580+/-0.007 χ^2/NDF: 4461520.5/45

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 35.942+/-0.006 χ^2/NDF:10417802.4/37

Out: 31.718+/-0.005 χ^2/NDF:14724963.2/42

All: 33.620+/-0.004 χ^2/NDF: 25429378.8/80



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.7/23

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: 44.9/45

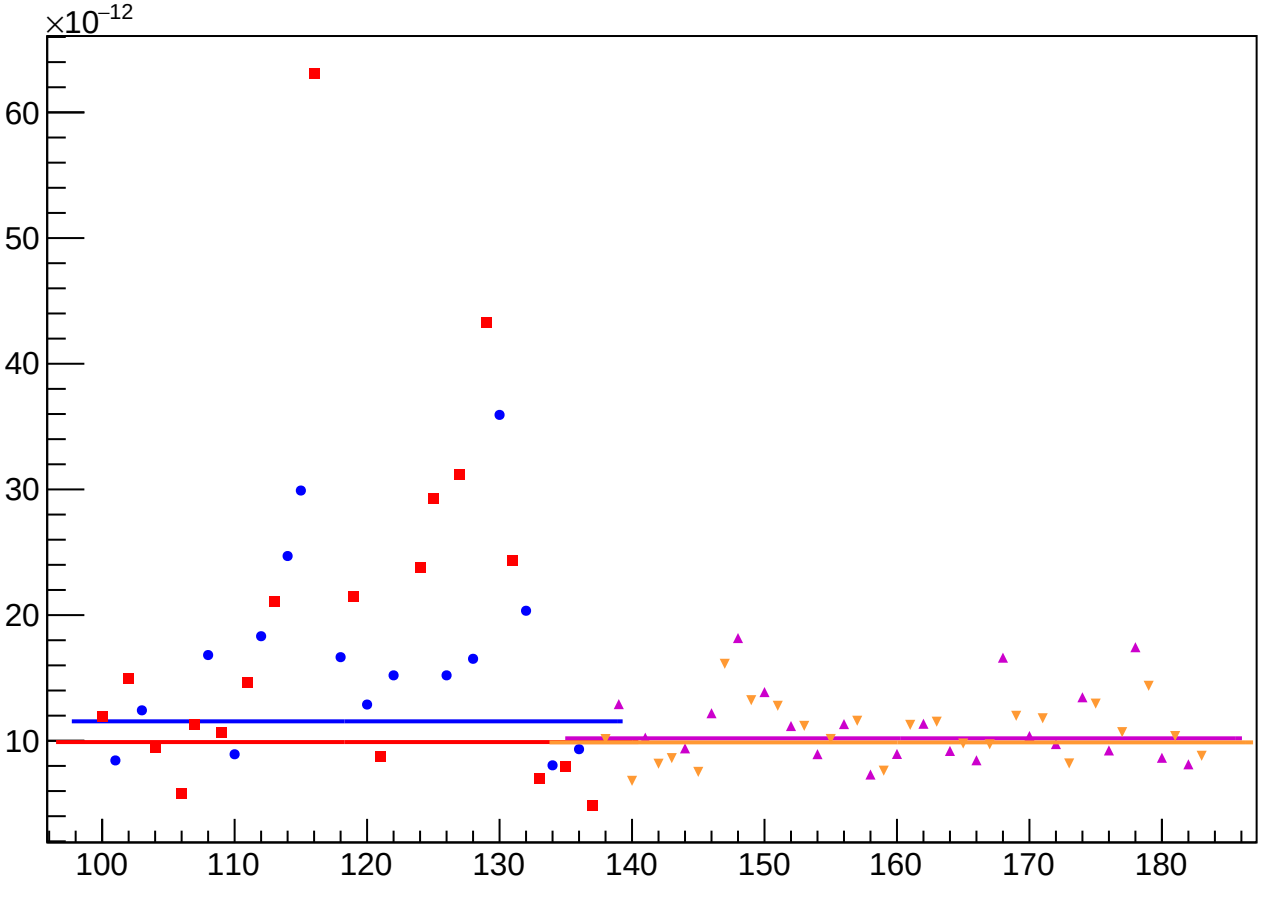
Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:33.9/37

Out: 0.000+/-0.000 χ^2/NDF:53.2/42

All: -0.000+/-0.000 χ^2/NDF: 87.5/80

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:1195412.6/23

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: 2511584.2/45

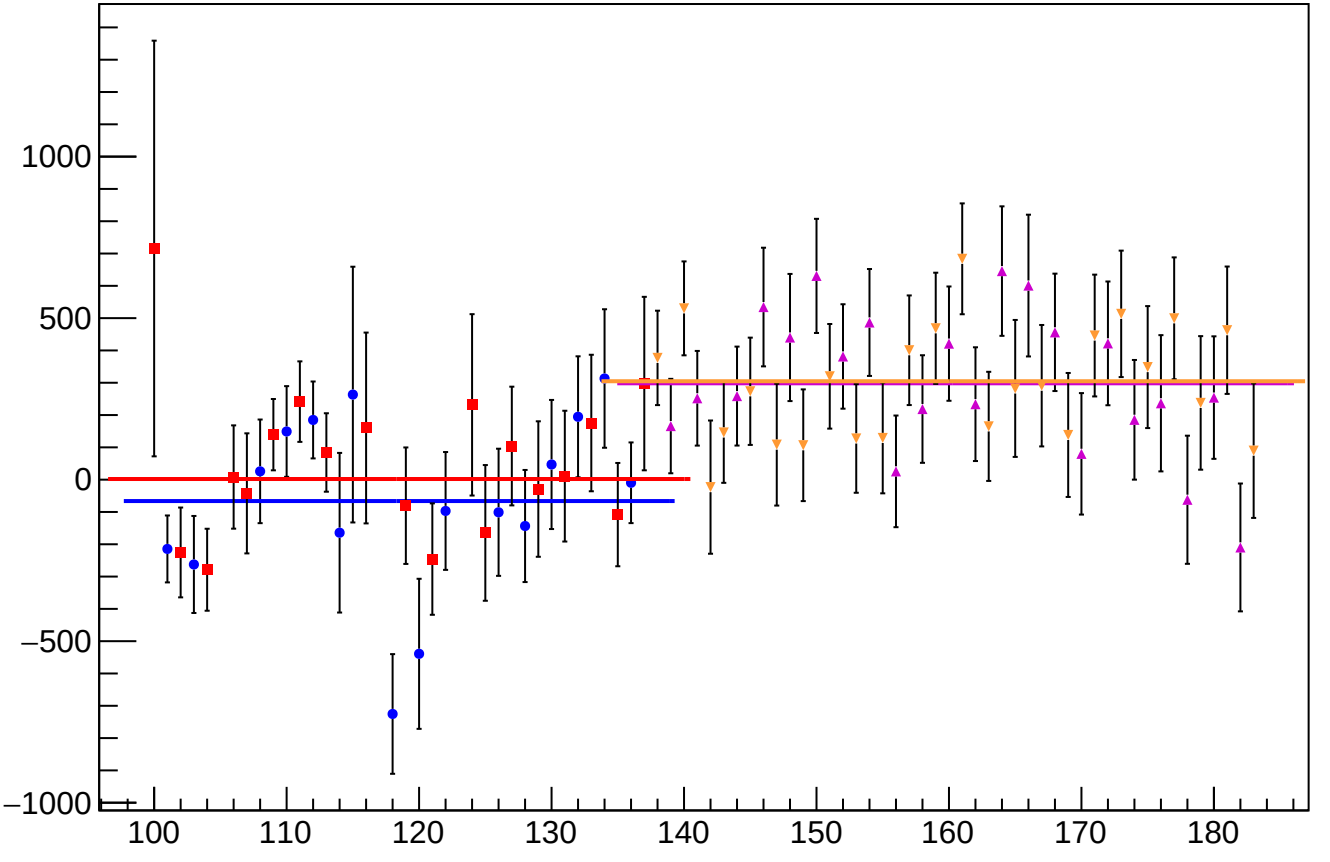
Right: 0.000+/-0.000 χ^2/NDF: 3905918.0/34

In: 0.000+/-0.000 χ^2/NDF:2570155.1/37

Out: 0.000+/-0.000 χ^2/NDF:3831214.8/42

All: 0.000+/-0.000 χ^2/NDF: 6456793.6/80

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 304.671+/-36.226 χ^2/NDF:23.0/23

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: 301.638+/-26.208 χ^2/NDF: 52.4/45

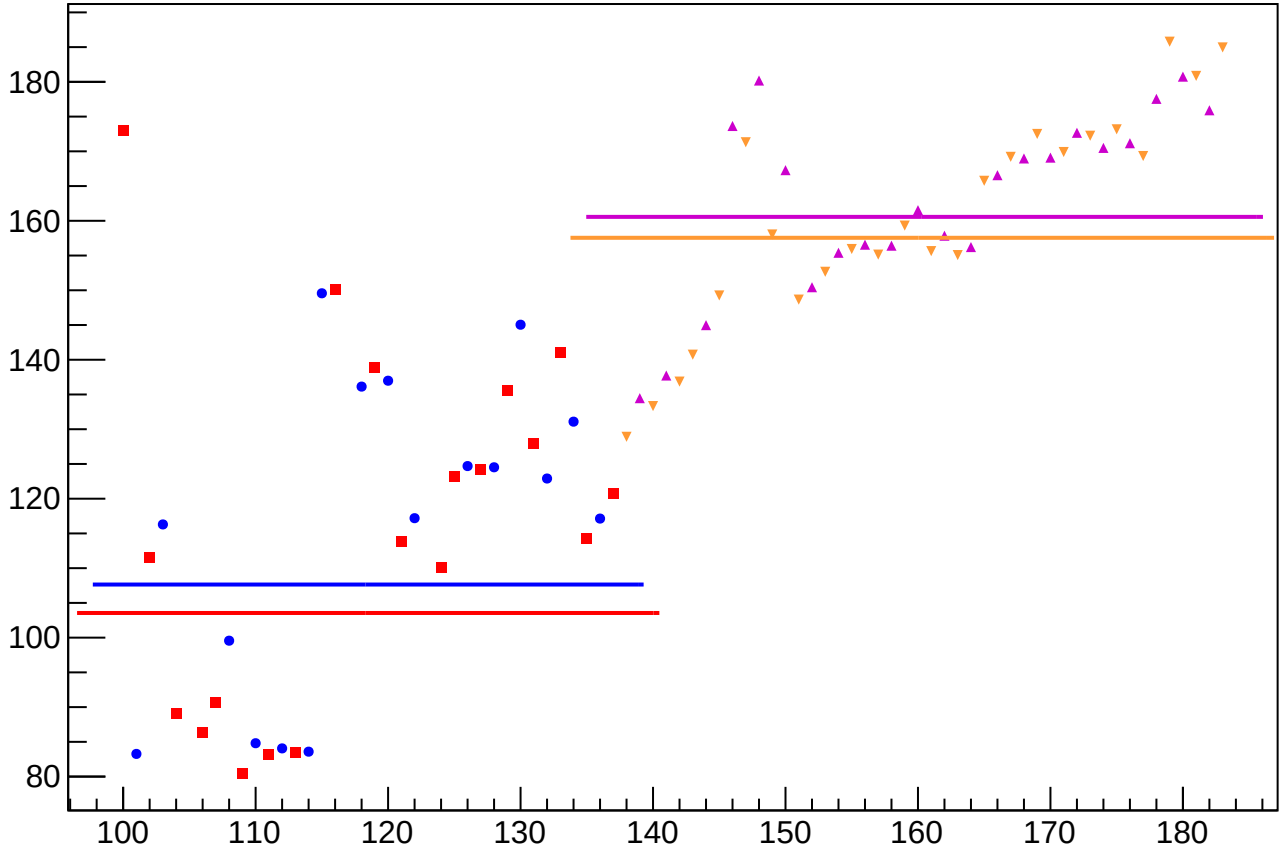
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 129.772+/-27.835 χ^2/NDF:106.5/37

Out: 163.971+/-26.500 χ^2/NDF:76.6/42

All: 147.711+/-19.193 χ^2/NDF: 183.8/80

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 157.555+/-0.026 χ^2/NDF:364700.9/23

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 160.566+/-0.027 χ^2/NDF:257597.0/21

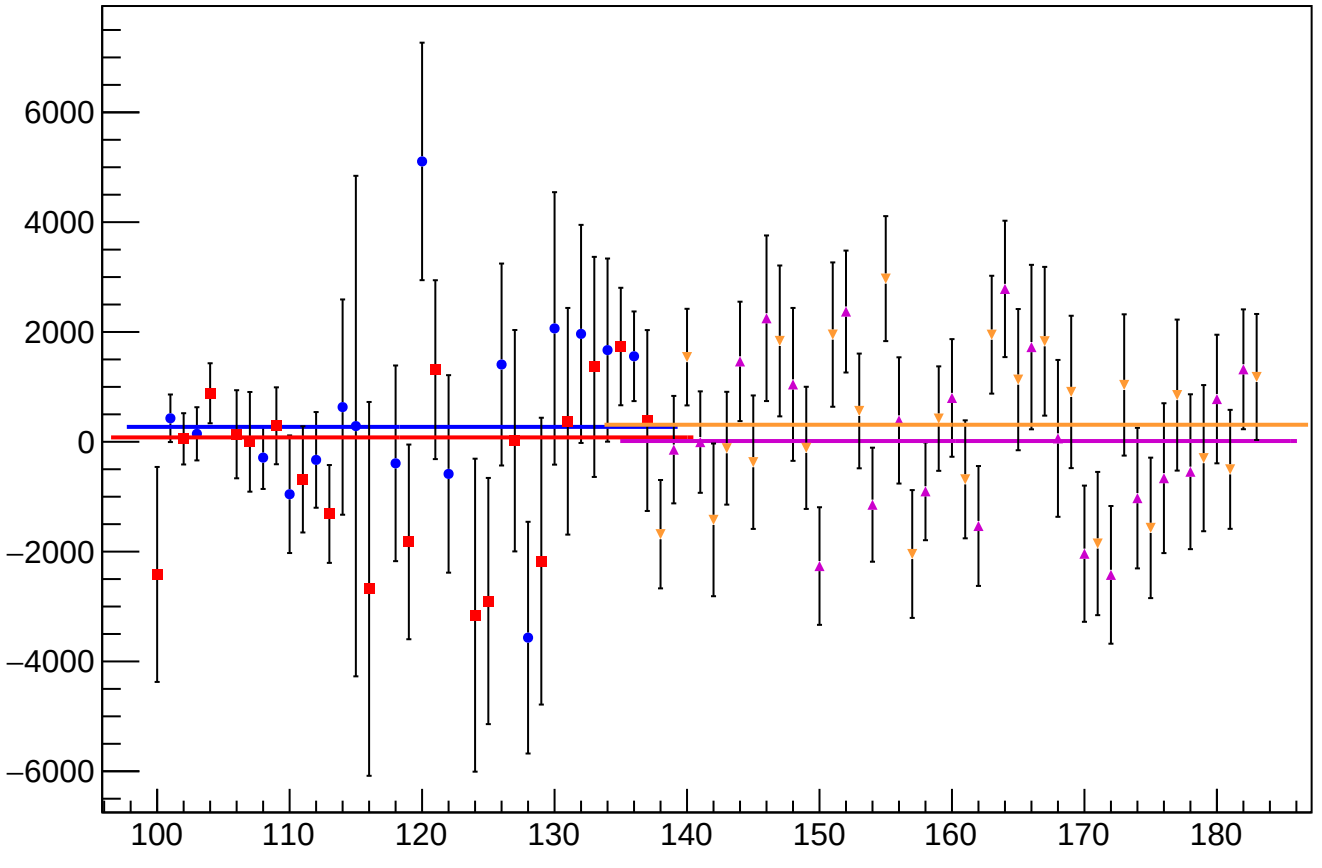
Left: 158.990+/-0.019 χ^2/NDF: 628885.2/45

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 136.099+/-0.020 χ^2/NDF:2587566.8/37

Out: 132.448+/-0.019 χ^2/NDF:3048348.4/42

All: 134.184+/-0.014 χ^2/NDF: 5653956.3/80



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 310.582+/-236.893 χ^2/NDF:32.4/23

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 13.971+/-246.601 χ^2/NDF:34.3/21

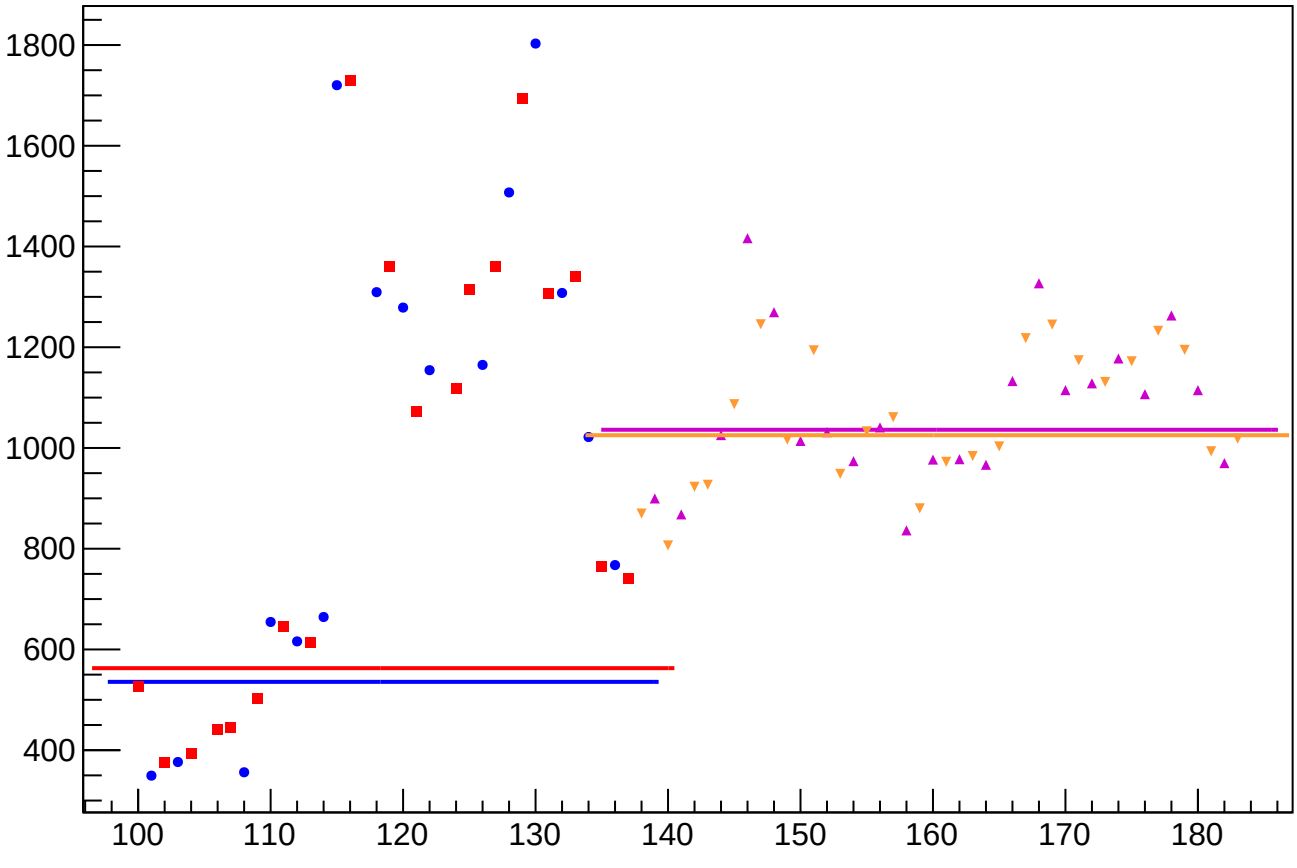
Left: 168.230+/-170.838 χ^2/NDF: 67.4/45

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 151.329+/-168.456 χ^2/NDF:51.3/37

Out: 193.010+/-165.808 χ^2/NDF:48.9/42

All: 172.500+/-118.169 χ^2/NDF: 100.3/80



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1025.331+/-0.168 χ^2/NDF:595986.3/23

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: 1030.533+/-0.121 χ^2/NDF: 1221405.8/45

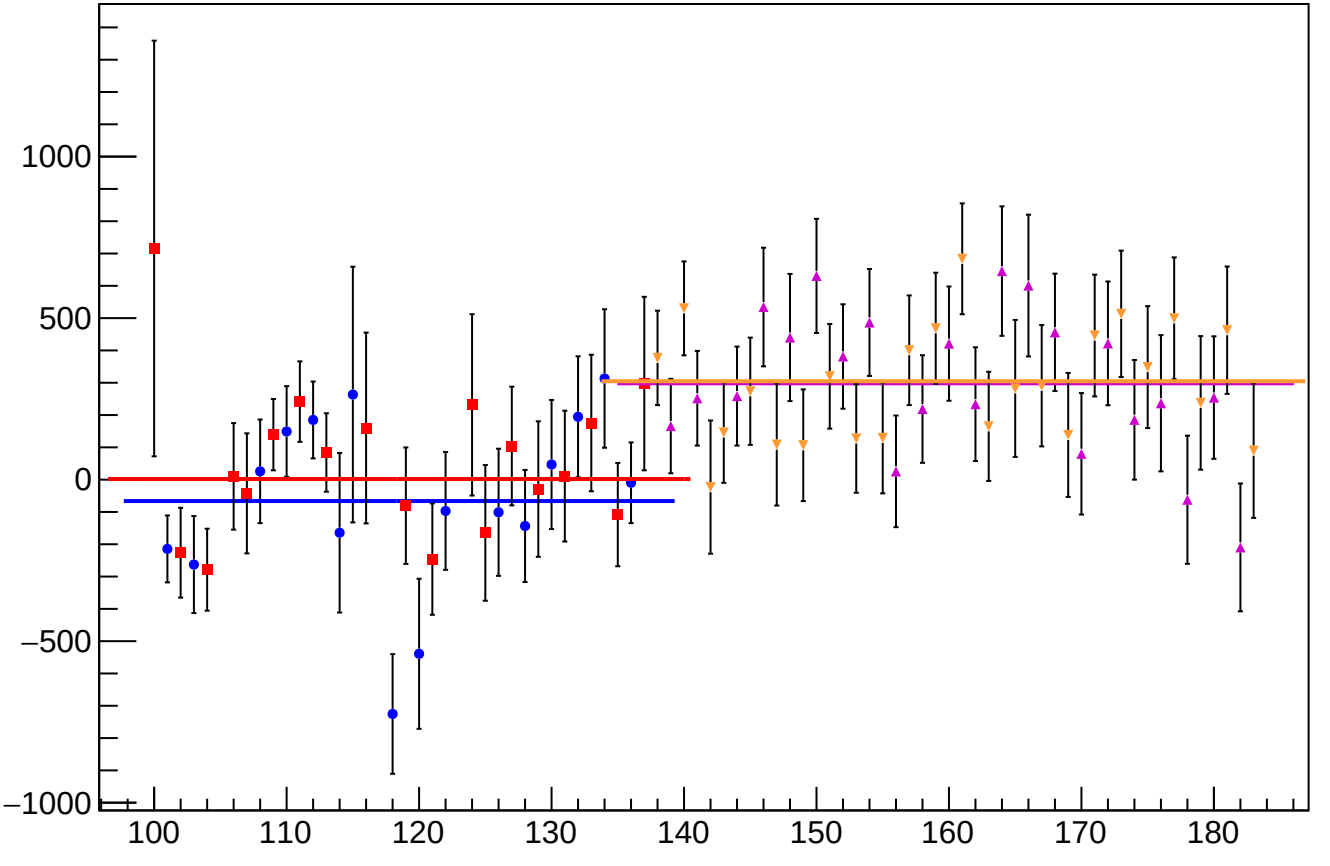
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 769.231+/-0.119 χ^2/NDF:8649663.0/37

Out: 789.416+/-0.117 χ^2/NDF:7595492.5/42

All: 779.484+/-0.084 χ^2/NDF: 16259739.7/80

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 304.669+/-36.226 χ^2/NDF:23.0/23

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: 301.640+/-26.208 χ^2/NDF: 52.4/45

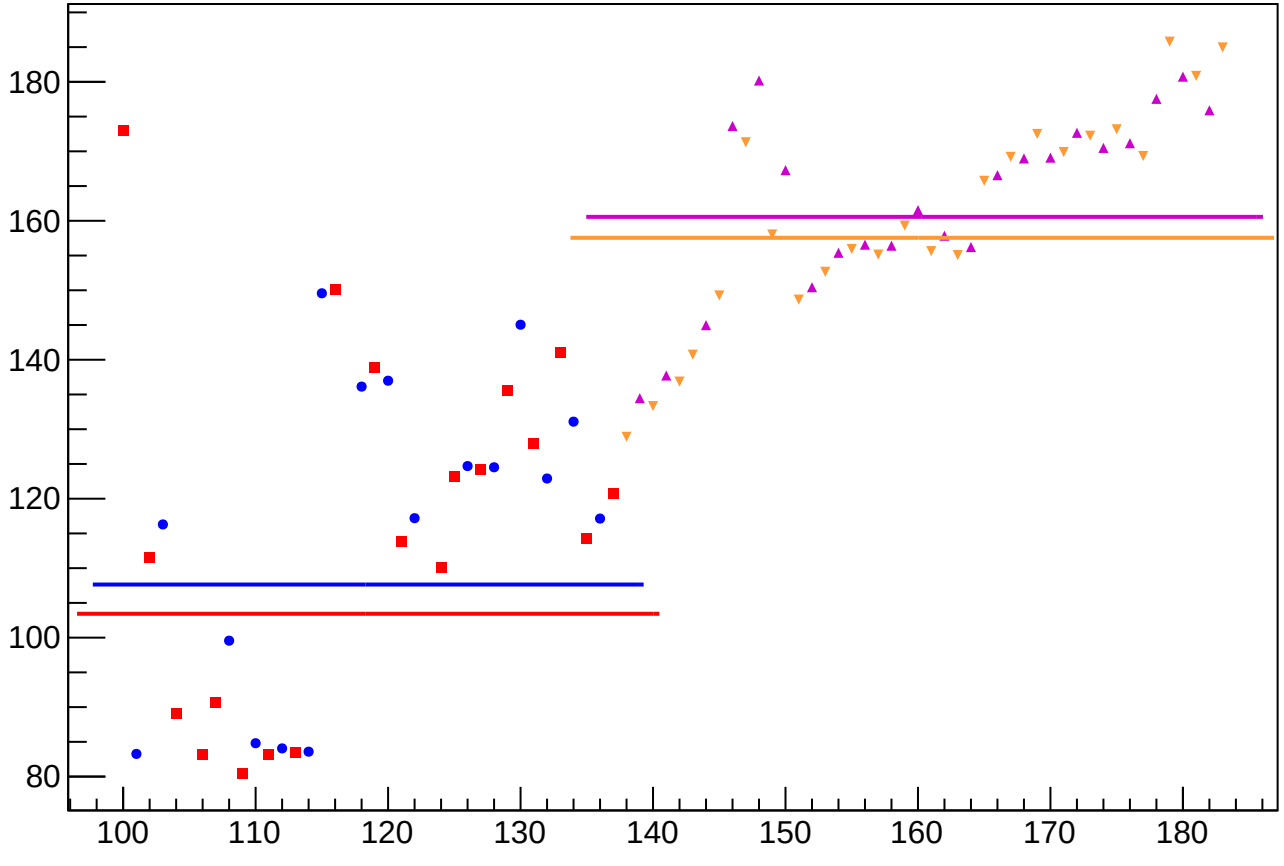
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 129.763+/-27.835 χ^2/NDF:106.5/37

Out: 164.263+/-26.522 χ^2/NDF:76.5/42

All: 147.846+/-19.201 χ^2/NDF: 183.8/80

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 157.555+/-0.026 χ^2/NDF:364700.9/23

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 160.566+/-0.027 χ^2/NDF:257597.0/21

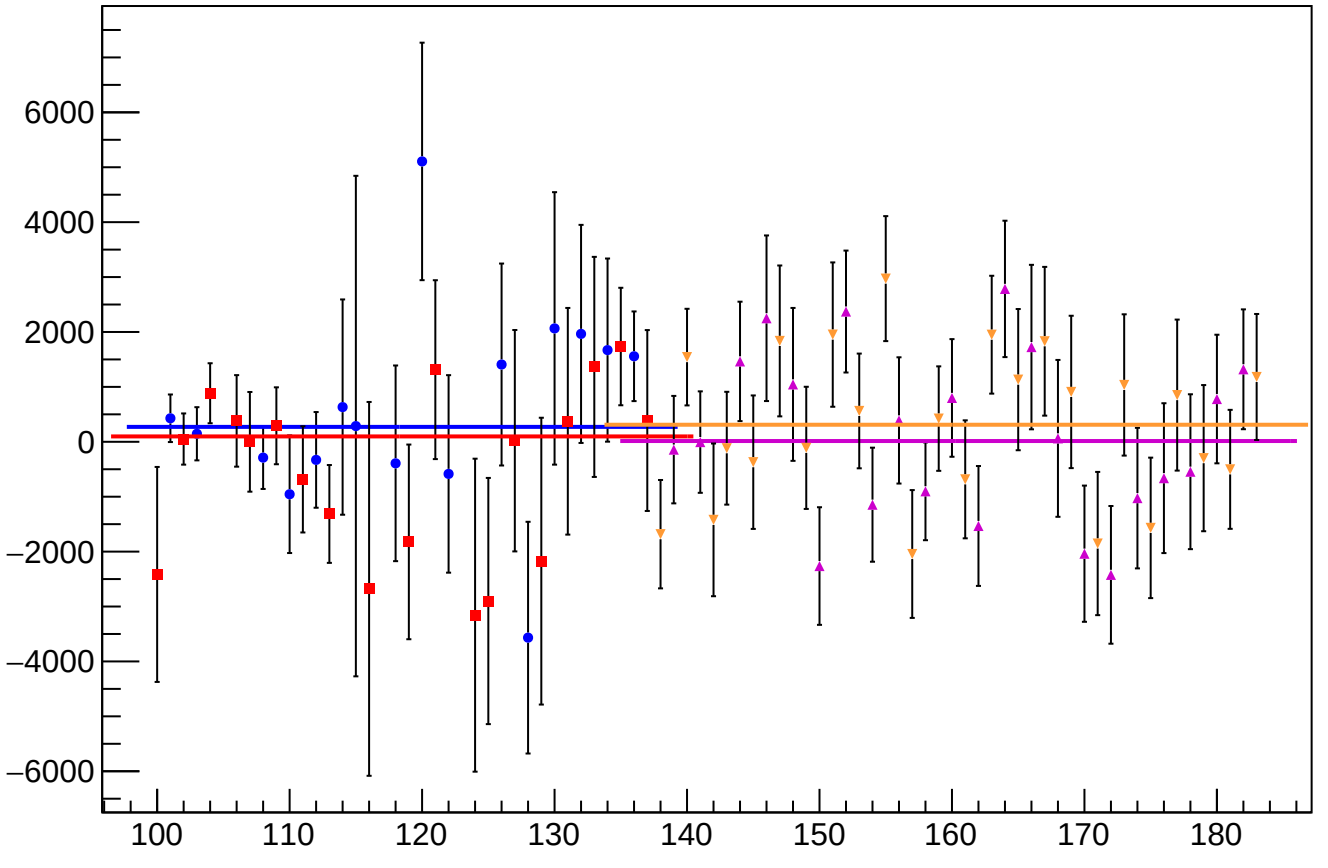
Left: 158.990+/-0.019 χ^2/NDF: 628885.2/45

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 136.099+/-0.020 χ^2/NDF:2587563.8/37

Out: 132.445+/-0.019 χ^2/NDF:3060333.6/42

All: 134.184+/-0.014 χ^2/NDF: 5665959.5/80



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 310.586+/-236.893 χ^2/NDF:32.4/23

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 13.972+/-246.601 χ^2/NDF:34.3/21

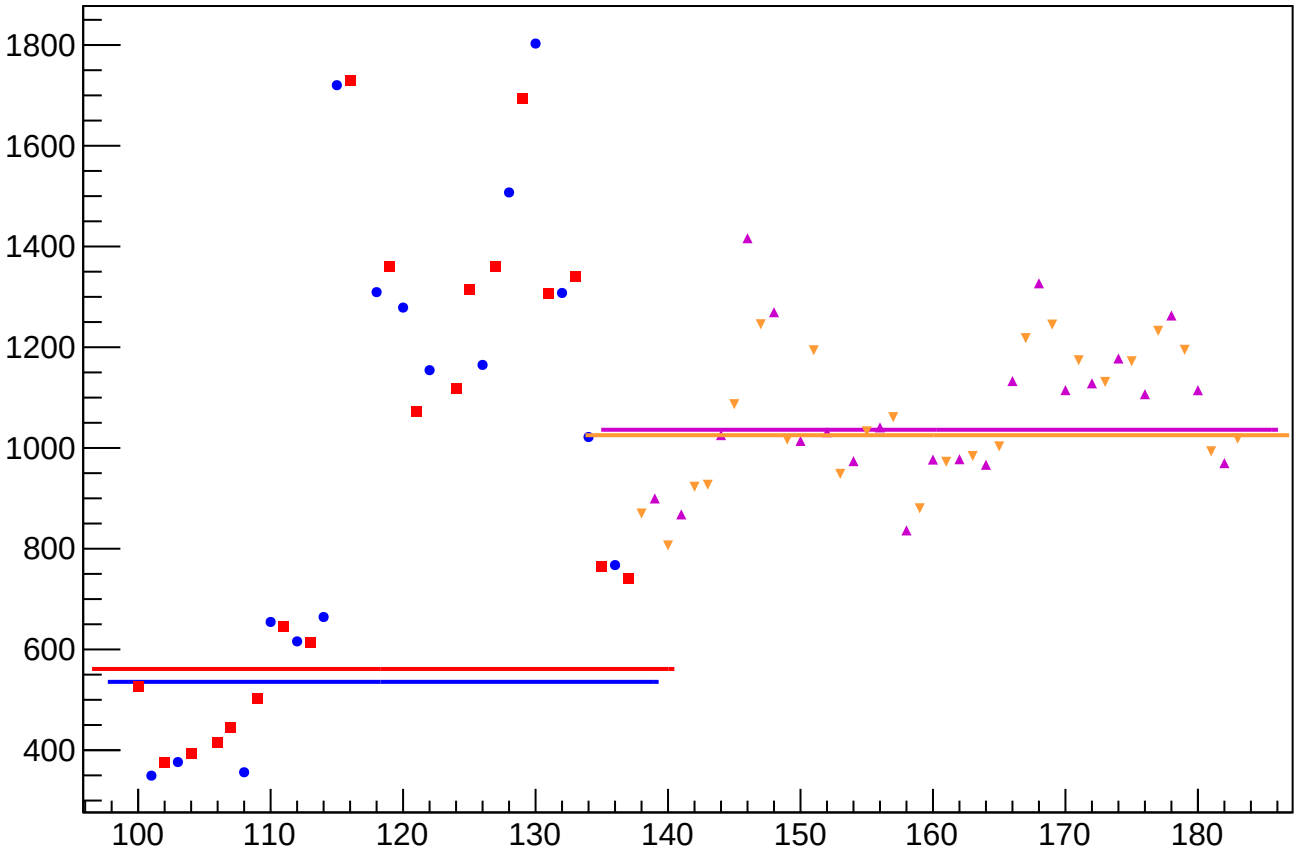
Left: 168.233+/-170.838 χ^2/NDF: 67.4/45

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 151.408+/-168.453 χ^2/NDF:51.3/37

Out: 202.354+/-166.036 χ^2/NDF:49.0/42

All: 177.249+/-118.251 χ^2/NDF: 100.3/80



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1025.331+/-0.168 χ^2/NDF:595985.6/23

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1036.172+/-0.174 χ^2/NDF:623406.1/21

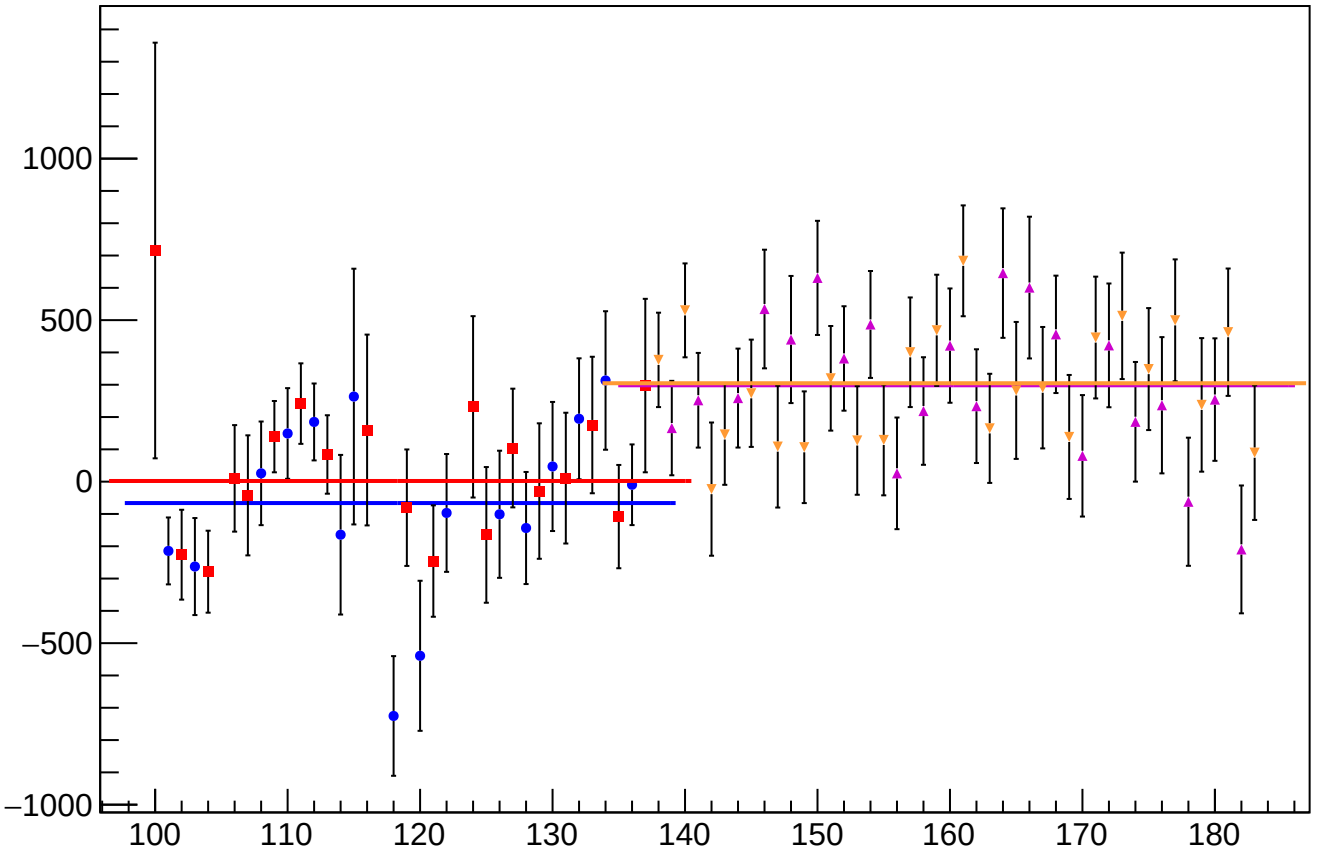
Left: 1030.534+/-0.121 χ^2/NDF: 1221401.9/45

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 769.212+/-0.119 χ^2/NDF:8650371.3/37

Out: 789.238+/-0.117 χ^2/NDF:7631416.4/42

All: 779.370+/-0.084 χ^2/NDF: 16296123.8/80



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 304.669+/-36.226 χ^2/NDF:23.0/23

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: 301.640+/-26.208 χ^2/NDF: 52.4/45

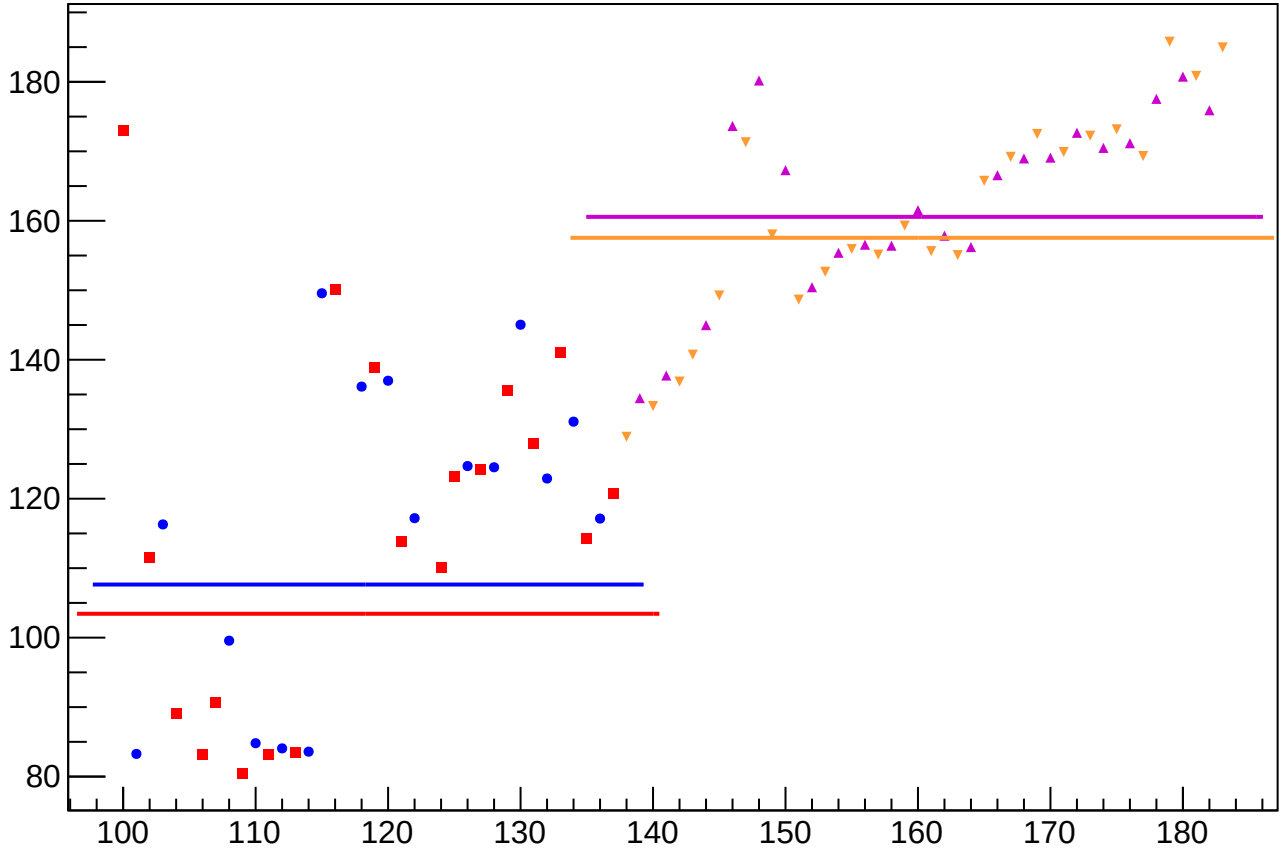
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 129.763+/-27.835 χ^2/NDF:106.5/37

Out: 164.263+/-26.522 χ^2/NDF:76.5/42

All: 147.846+/-19.201 χ^2/NDF: 183.8/80

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 157.555+/-0.026 χ^2/NDF:364700.9/23

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 160.566+/-0.027 χ^2/NDF:257597.0/21

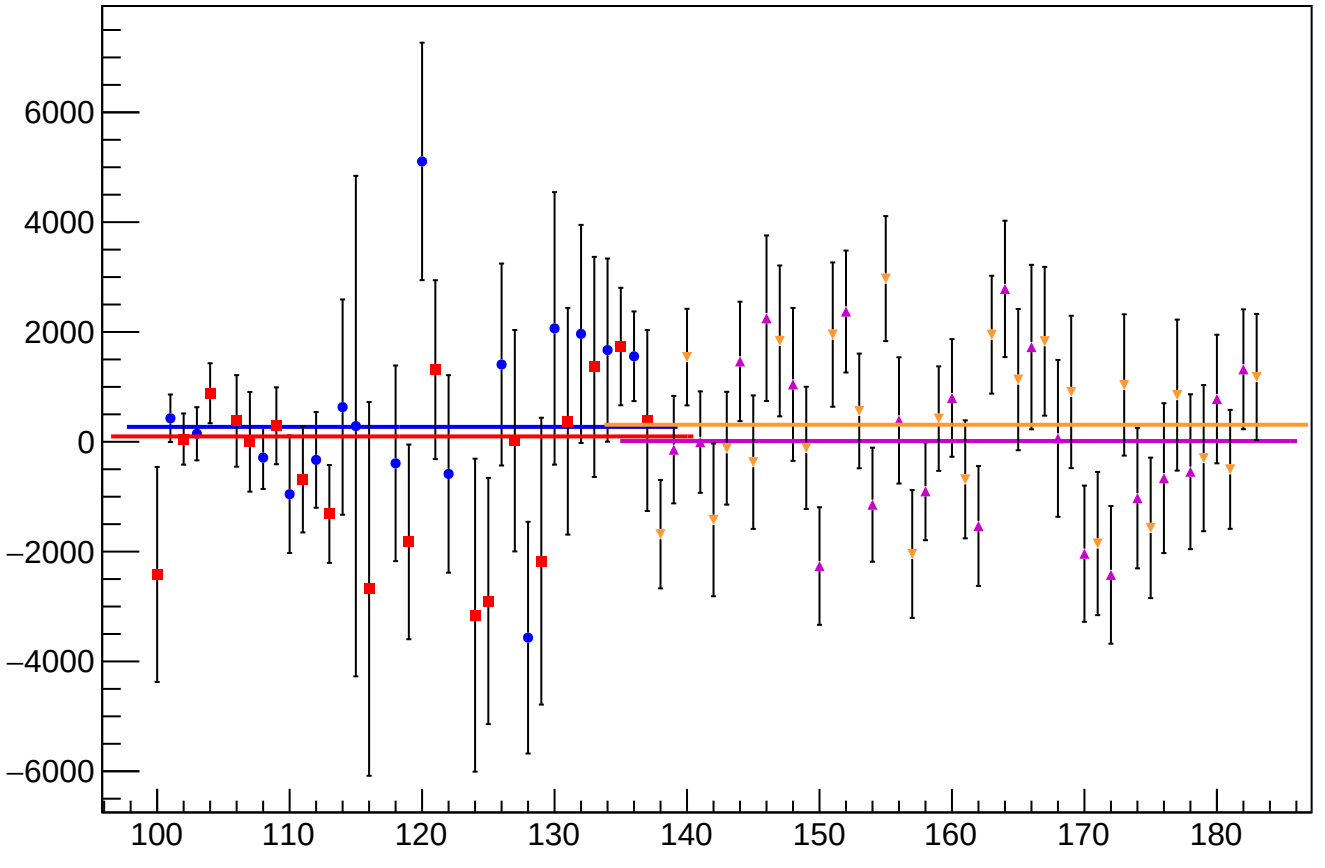
Left: 158.990+/-0.019 χ^2/NDF: 628885.2/45

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 136.099+/-0.020 χ^2/NDF:2587563.8/37

Out: 132.445+/-0.019 χ^2/NDF:3060333.6/42

All: 134.184+/-0.014 χ^2/NDF: 5665959.5/80



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 310.586+/-236.893 χ^2/NDF:32.4/23

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 13.972+/-246.601 χ^2/NDF:34.3/21

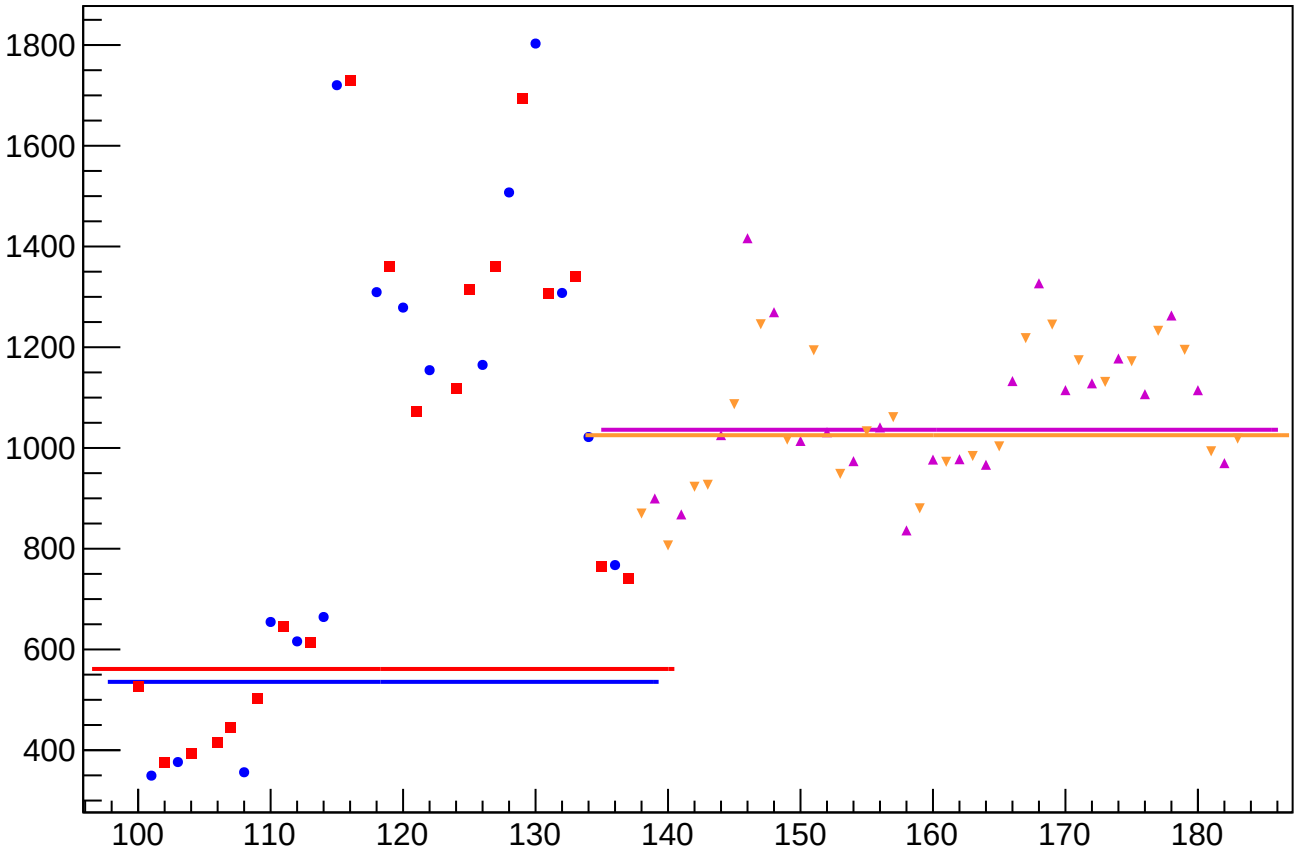
Left: 168.233+/-170.838 χ^2/NDF: 67.4/45

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 151.408+/-168.453 χ^2/NDF:51.3/37

Out: 202.354+/-166.036 χ^2/NDF:49.0/42

All: 177.249+/-118.251 χ^2/NDF: 100.3/80



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1025.331+/-0.168 χ^2/NDF:595985.6/23

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: 1030.534+/-0.121 χ^2/NDF: 1221401.9/45

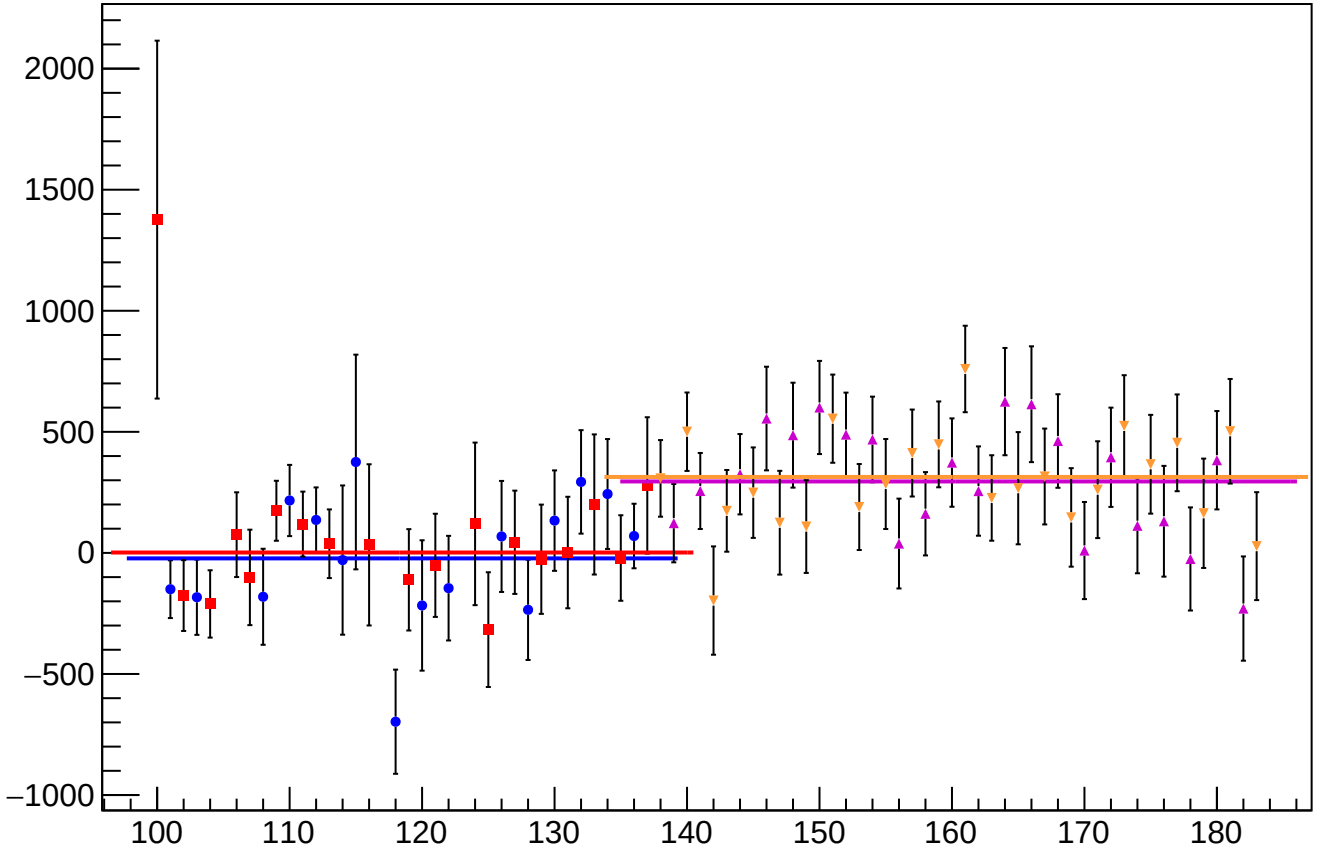
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 769.212+/-0.119 χ^2/NDF:8650371.3/37

Out: 789.238+/-0.117 χ^2/NDF:7631416.4/42

All: 779.370+/-0.084 χ^2/NDF: 16296123.8/80

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 313.672+/-39.091 χ^2/NDF:24.1/23

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: 304.801+/-28.246 χ^2/NDF: 51.9/45

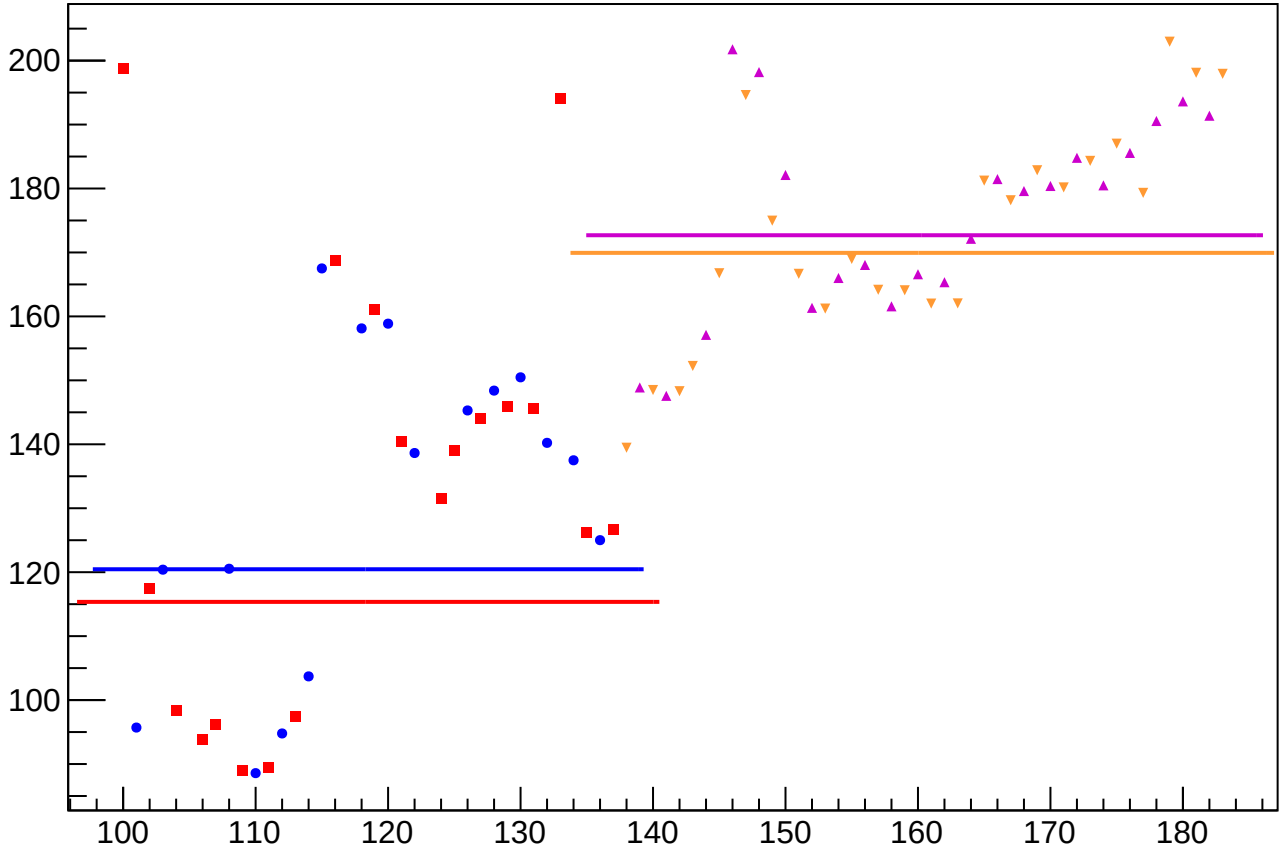
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 154.647+/-30.521 χ^2/NDF:78.7/37

Out: 174.473+/-29.094 χ^2/NDF:66.8/42

All: 165.034+/-21.059 χ^2/NDF: 145.7/80

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 169.937+/-0.028 χ^2/NDF:353887.0/23

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 172.692+/-0.029 χ^2/NDF:283014.5/21

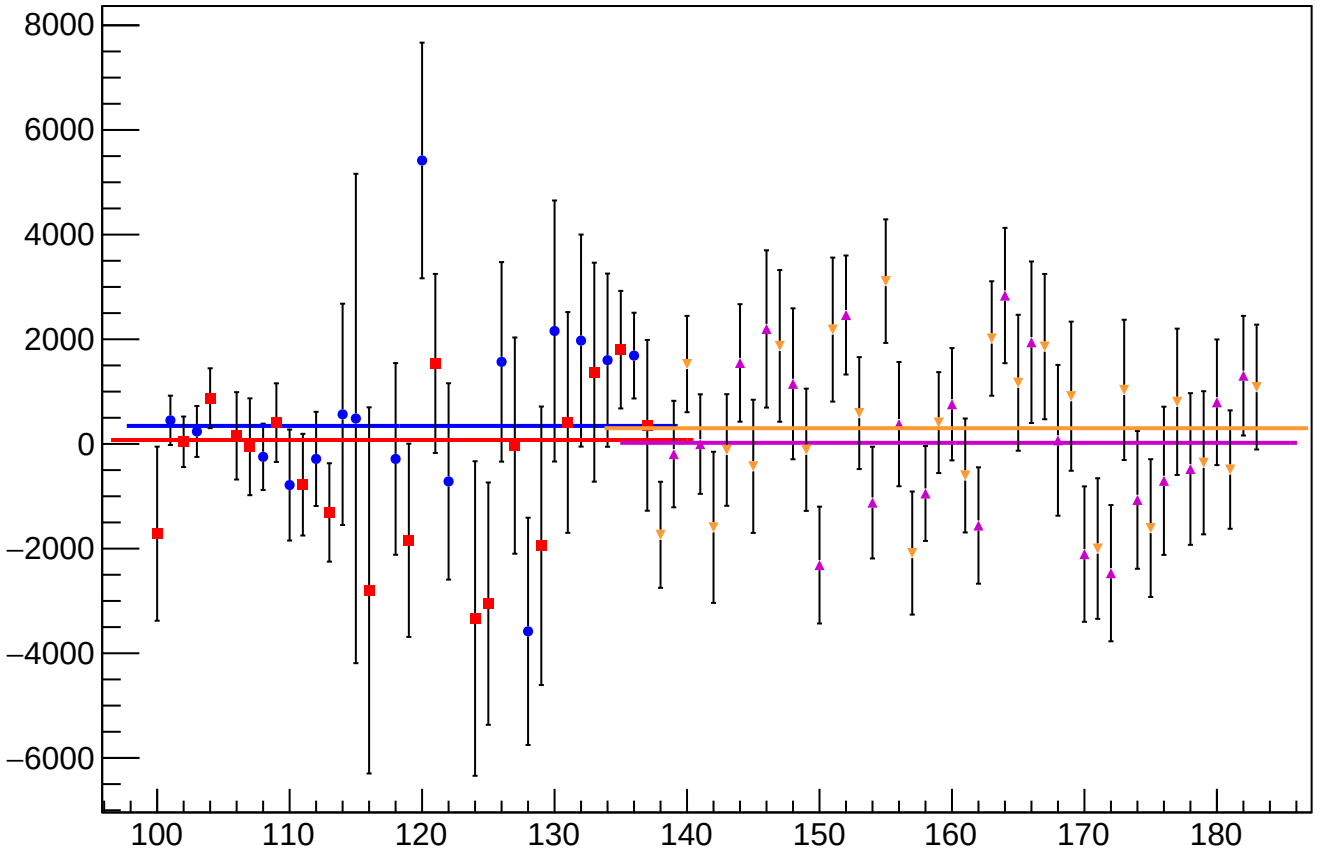
Left: 171.254+/-0.020 χ^2/NDF: 641649.5/45

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 149.605+/-0.022 χ^2/NDF:2258073.9/37

Out: 145.592+/-0.021 χ^2/NDF:2860267.6/42

All: 147.502+/-0.015 χ^2/NDF: 5136455.5/80



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 301.068+/-244.262 χ^2/NDF:32.7/23

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 21.331+/-253.663 χ^2/NDF:33.9/21

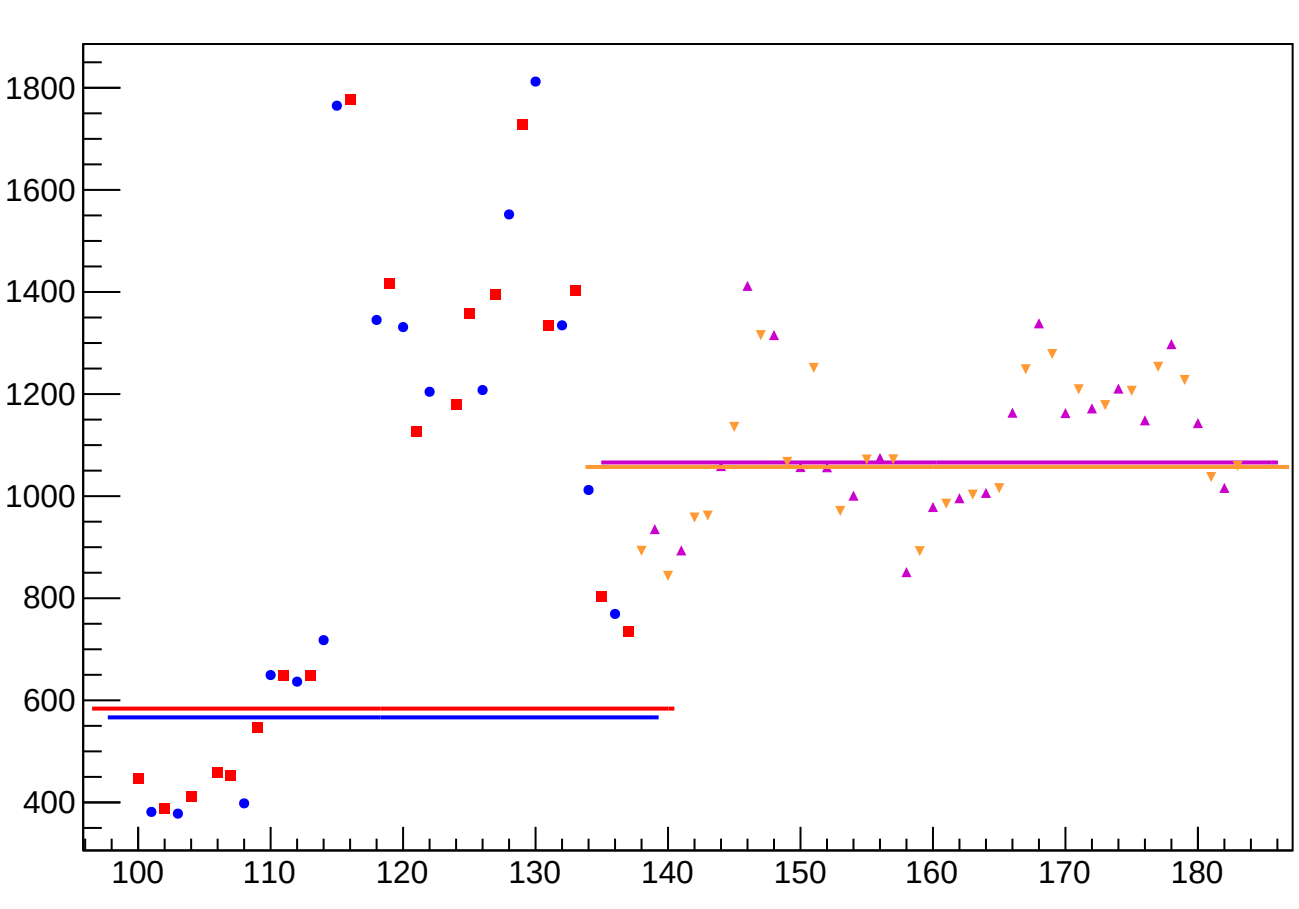
Left: 166.479+/-175.949 χ^2/NDF: 67.2/45

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 190.794+/-174.920 χ^2/NDF:51.0/37

Out: 186.490+/-171.366 χ^2/NDF:48.4/42

All: 188.598+/-122.411 χ^2/NDF: 99.4/80



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1057.165+/-0.173 χ^2/NDF:609164.5/23

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1066.014+/-0.179 χ^2/NDF:608181.8/21

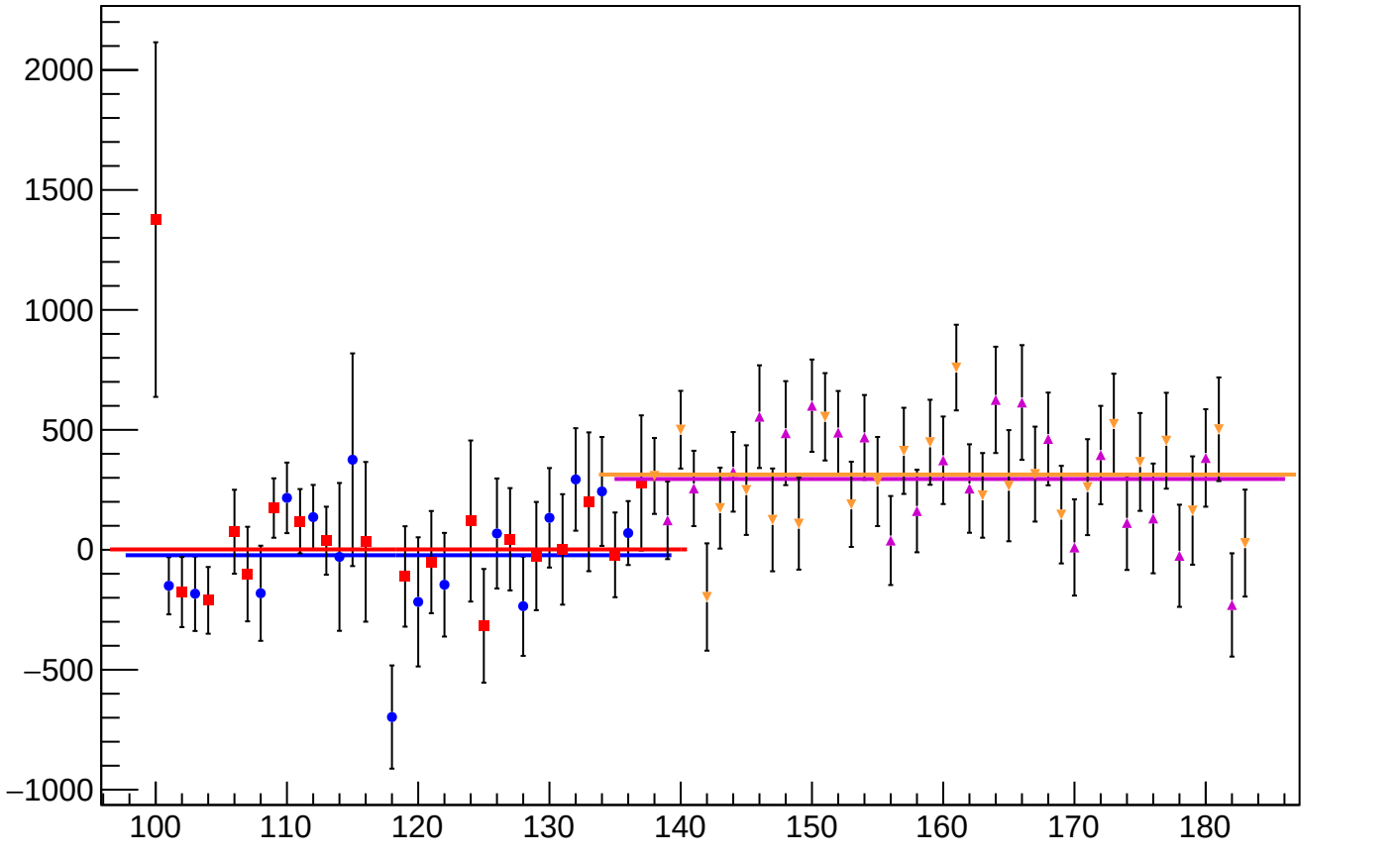
Left: 1061.422+/-0.124 χ^2/NDF: 1218609.2/45

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

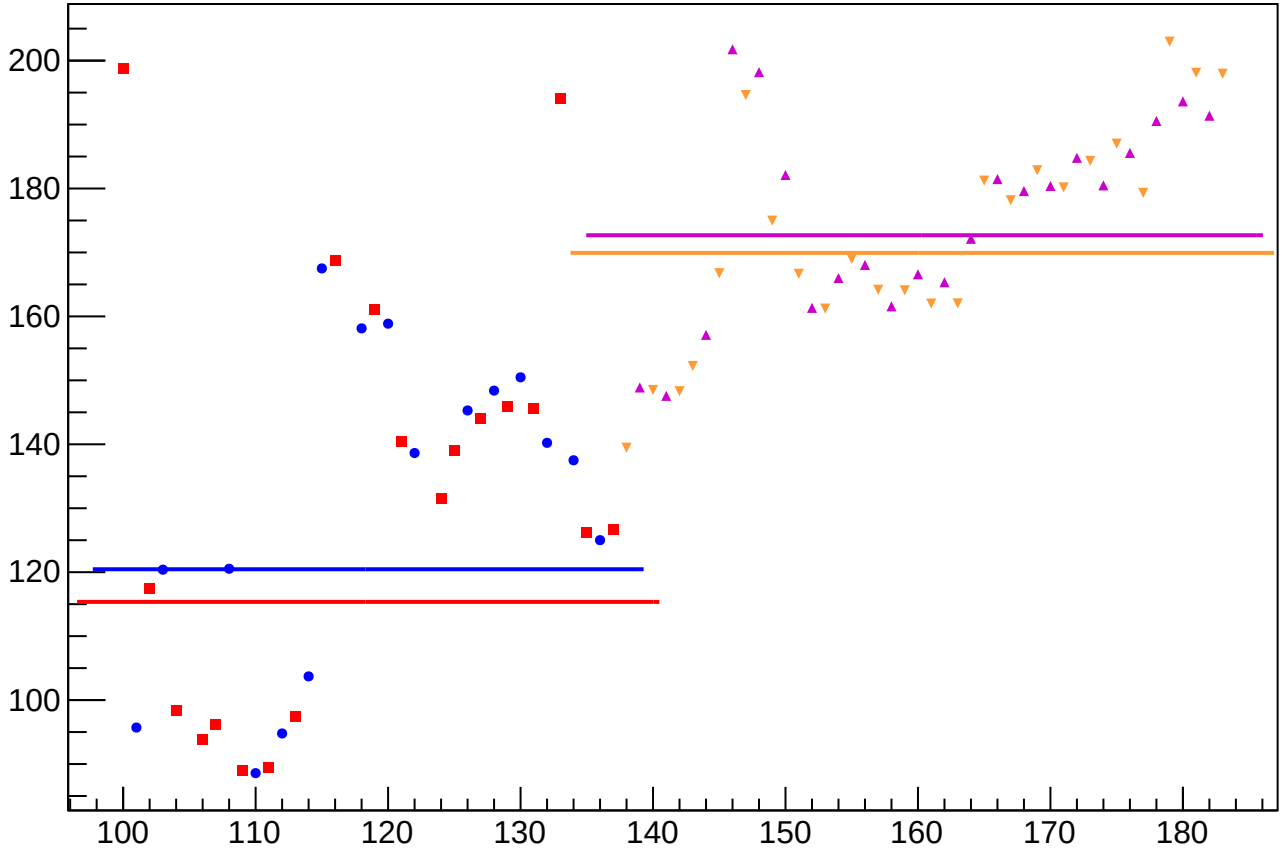
In: 804.081+/-0.124 χ^2/NDF:8106576.8/37

Out: 816.786+/-0.121 χ^2/NDF:7530991.3/42

All: 810.564+/-0.087 χ^2/NDF: 15642951.4/80


eigen_dit_asym_sam6_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: -22.680+/-45.908 χ²/NDF: 24.2/15
Left Out: 313.673+/-39.090 χ²/NDF:24.1/23
Right Out: 1.601+/-43.563 χ²/NDF: 14.3/18
Left In: 295.110+/-40.859 χ²/NDF:27.7/21
Left: 304.802+/-28.246 χ²/NDF: 51.9/45
Right: -9.903+/-31.600 χ²/NDF: 38.6/34
In: 154.646+/-30.521 χ²/NDF:78.7/37
Out: 174.474+/-29.094 χ²/NDF:66.8/42
All: 165.035+/-21.059 χ²/NDF: 145.7/80

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 169.937+/-0.028 χ^2/NDF:353887.6/23

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 172.692+/-0.029 χ^2/NDF:283014.9/21

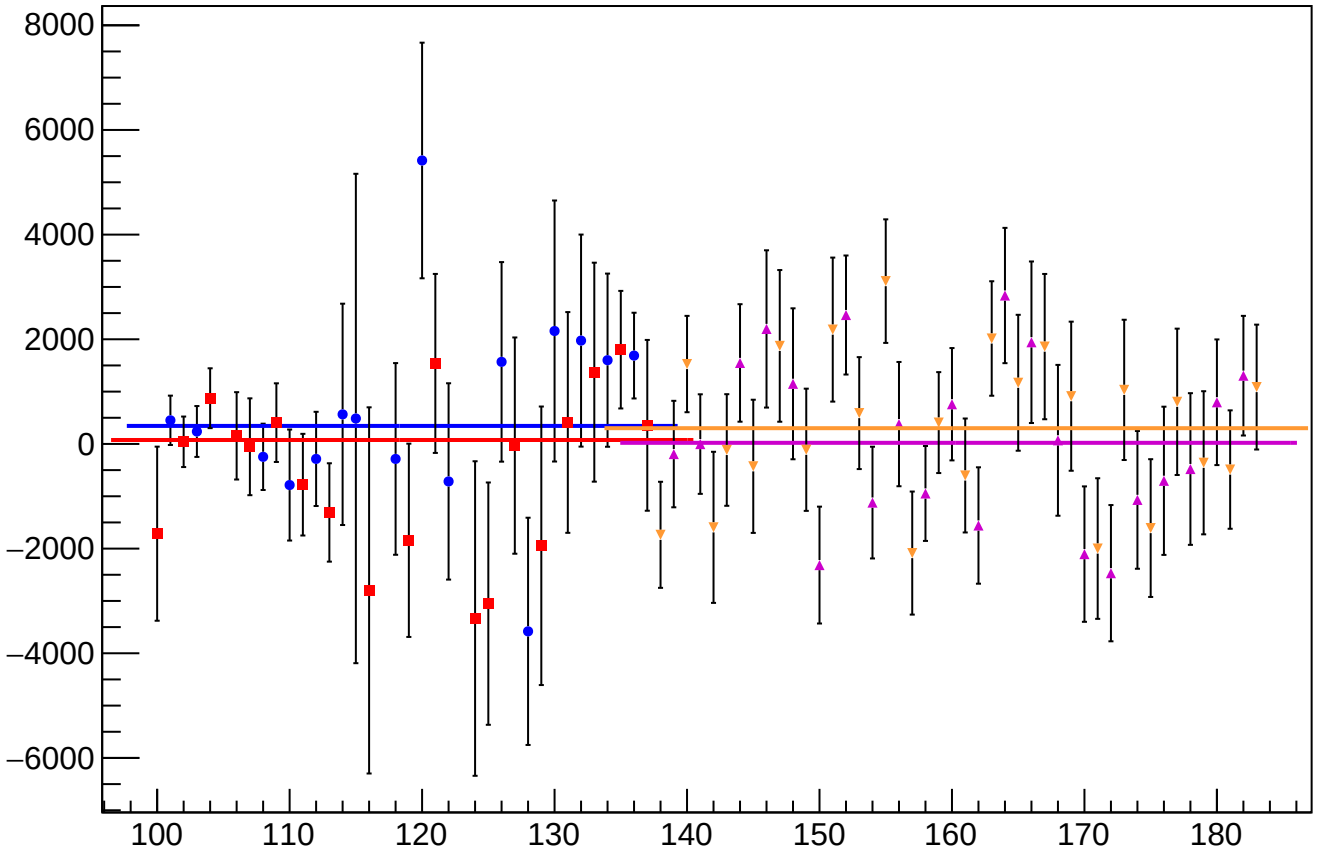
Left: 171.254+/-0.020 χ^2/NDF: 641650.6/45

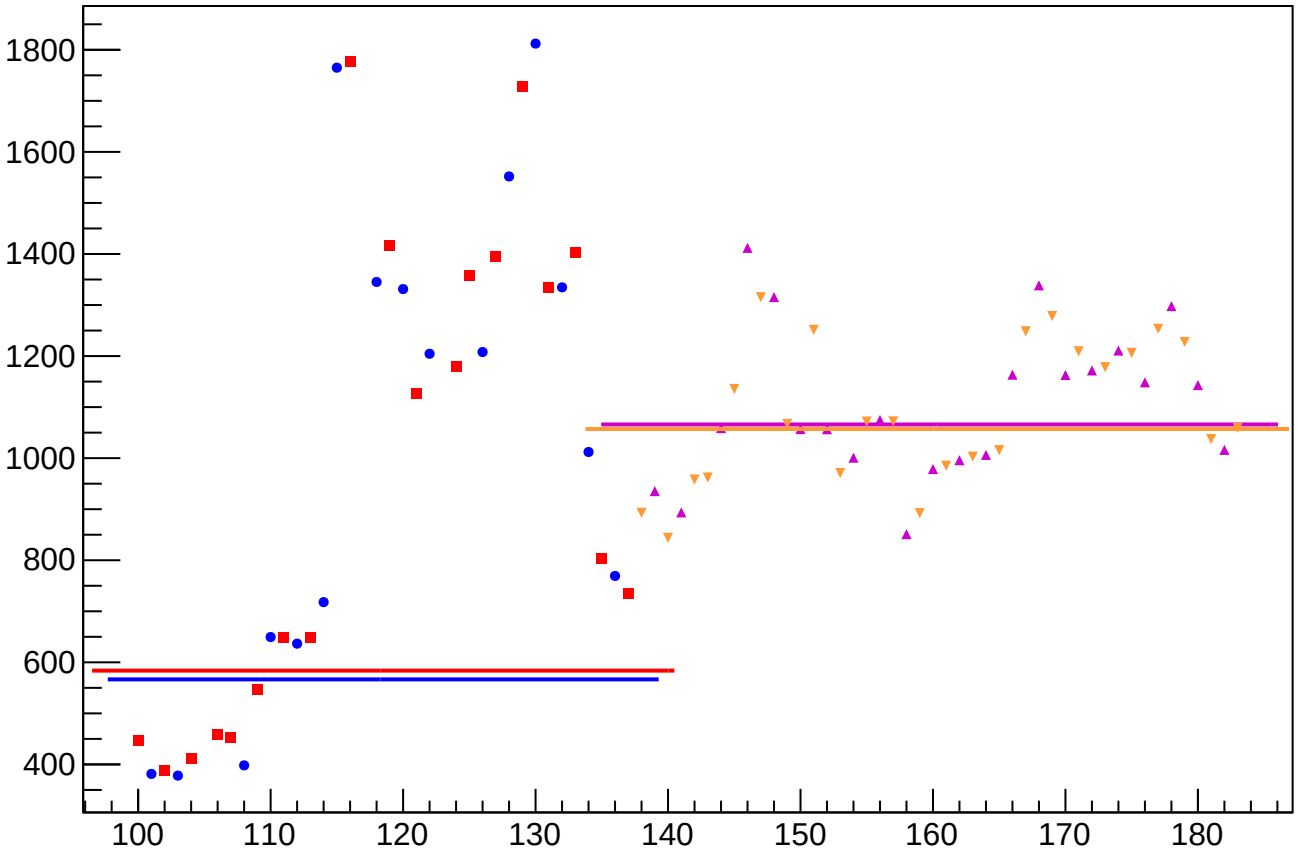
Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 149.604+/-0.022 χ^2/NDF:2258086.8/37

Out: 145.592+/-0.021 χ^2/NDF:2860272.1/42

All: 147.502+/-0.015 χ^2/NDF: 5136472.6/80


asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: 344.436+/-241.531 χ²/NDF: 16.2/15
Left Out: 301.069+/-244.262 χ²/NDF:32.7/23
Right Out: 75.435+/-240.479 χ²/NDF: 15.3/18
Left In: 21.330+/-253.663 χ²/NDF:33.9/21
Left: 166.479+/-175.949 χ²/NDF: 67.2/45
Right: 209.348+/-170.415 χ²/NDF: 32.1/34
In: 190.794+/-174.920 χ²/NDF:51.0/37
Out: 186.491+/-171.366 χ²/NDF:48.4/42
All: 188.599+/-122.411 χ²/NDF: 99.4/80



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1057.165+/-0.173 χ^2/NDF:609169.6/23

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: 1061.422+/-0.124 χ^2/NDF: 1218617.9/45

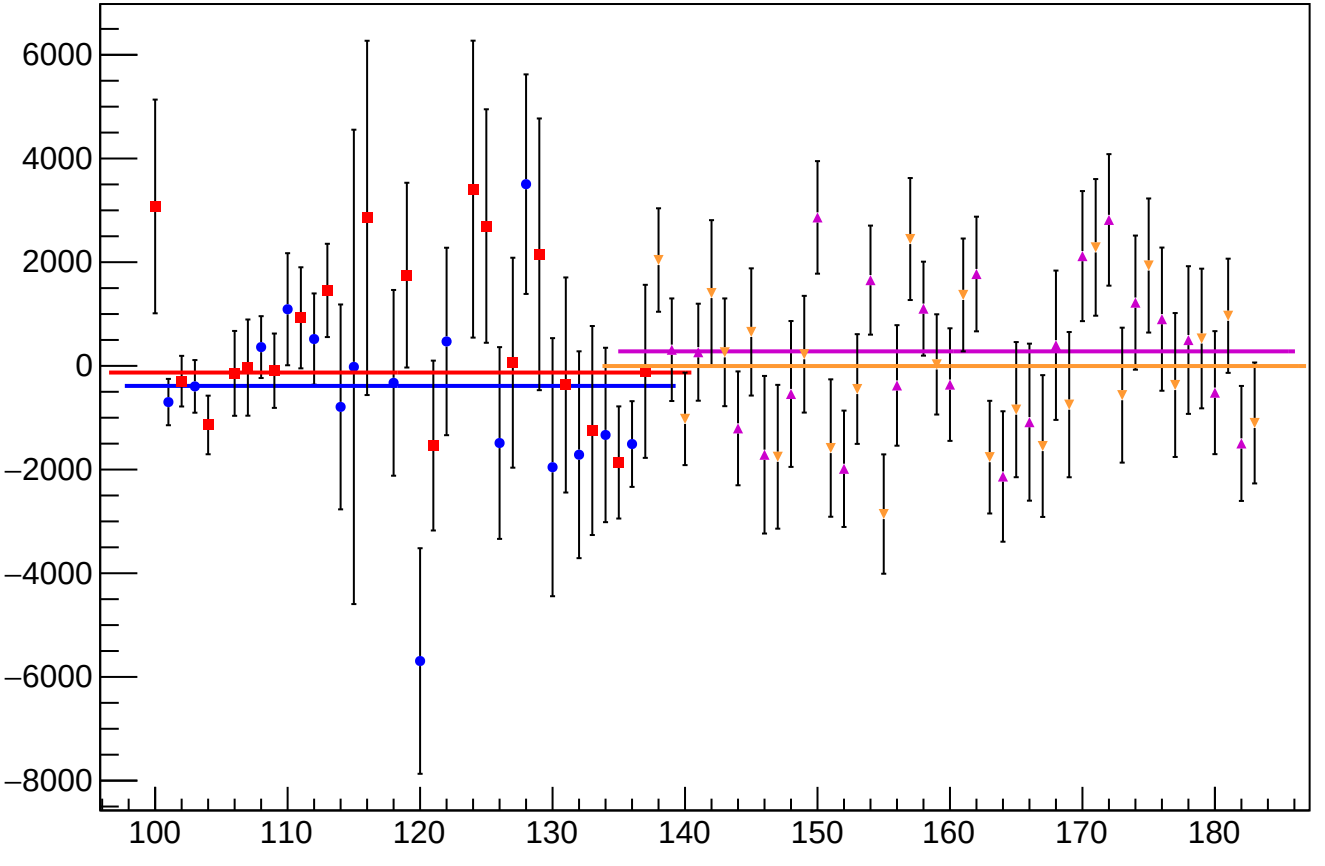
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 804.081+/-0.124 χ^2/NDF:8106600.9/37

Out: 816.785+/-0.121 χ^2/NDF:7531010.0/42

All: 810.563+/-0.087 χ^2/NDF: 15642994.5/80

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -3.147+/-239.781 χ^2/NDF:34.1/23

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: 132.695+/-172.933 χ^2/NDF: 67.8/45

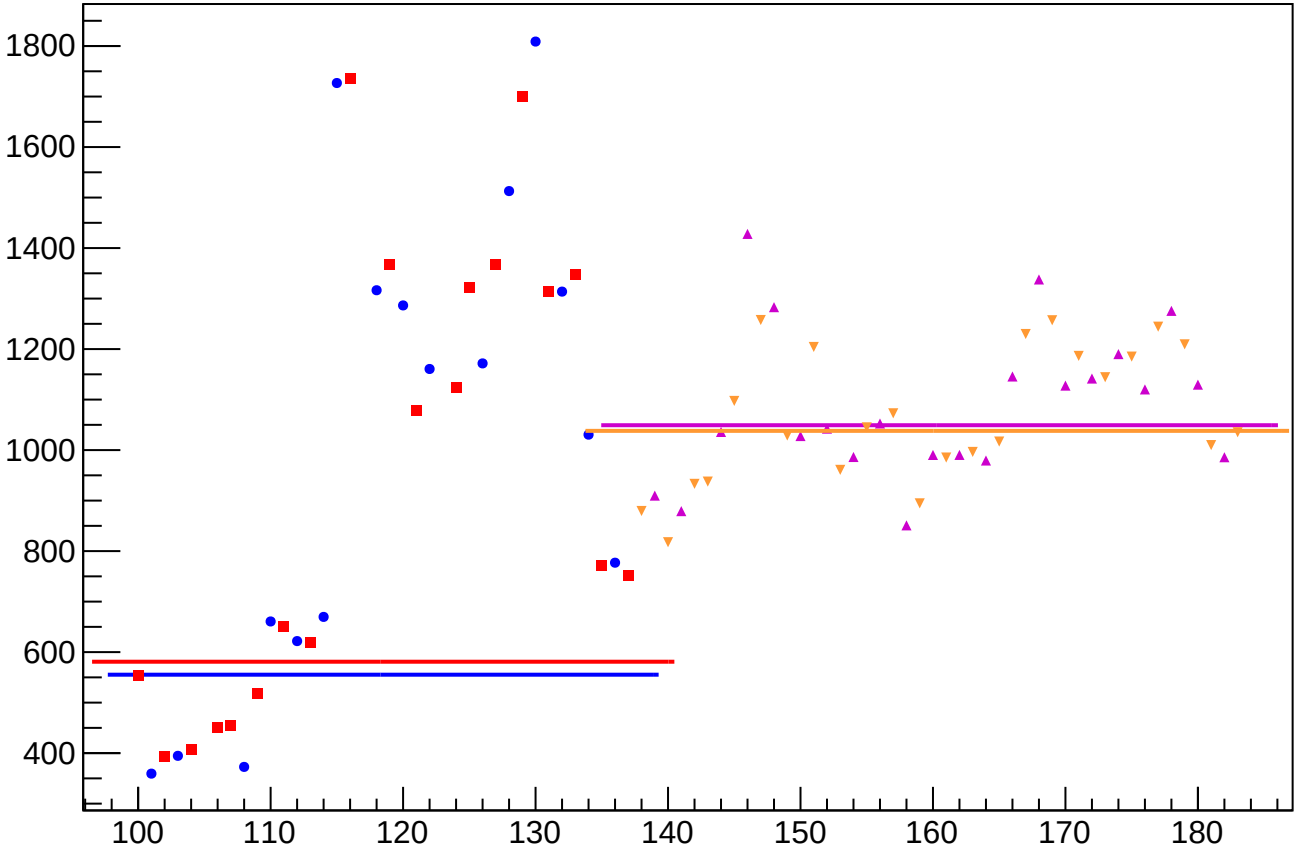
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -69.861+/-172.081 χ^2/NDF:54.7/37

Out: -66.269+/-169.004 χ^2/NDF:53.6/42

All: -68.033+/-120.577 χ^2/NDF: 108.4/80

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1038.074+/-0.170 χ^2/NDF:584210.6/23

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1049.252+/-0.177 χ^2/NDF:609016.2/21

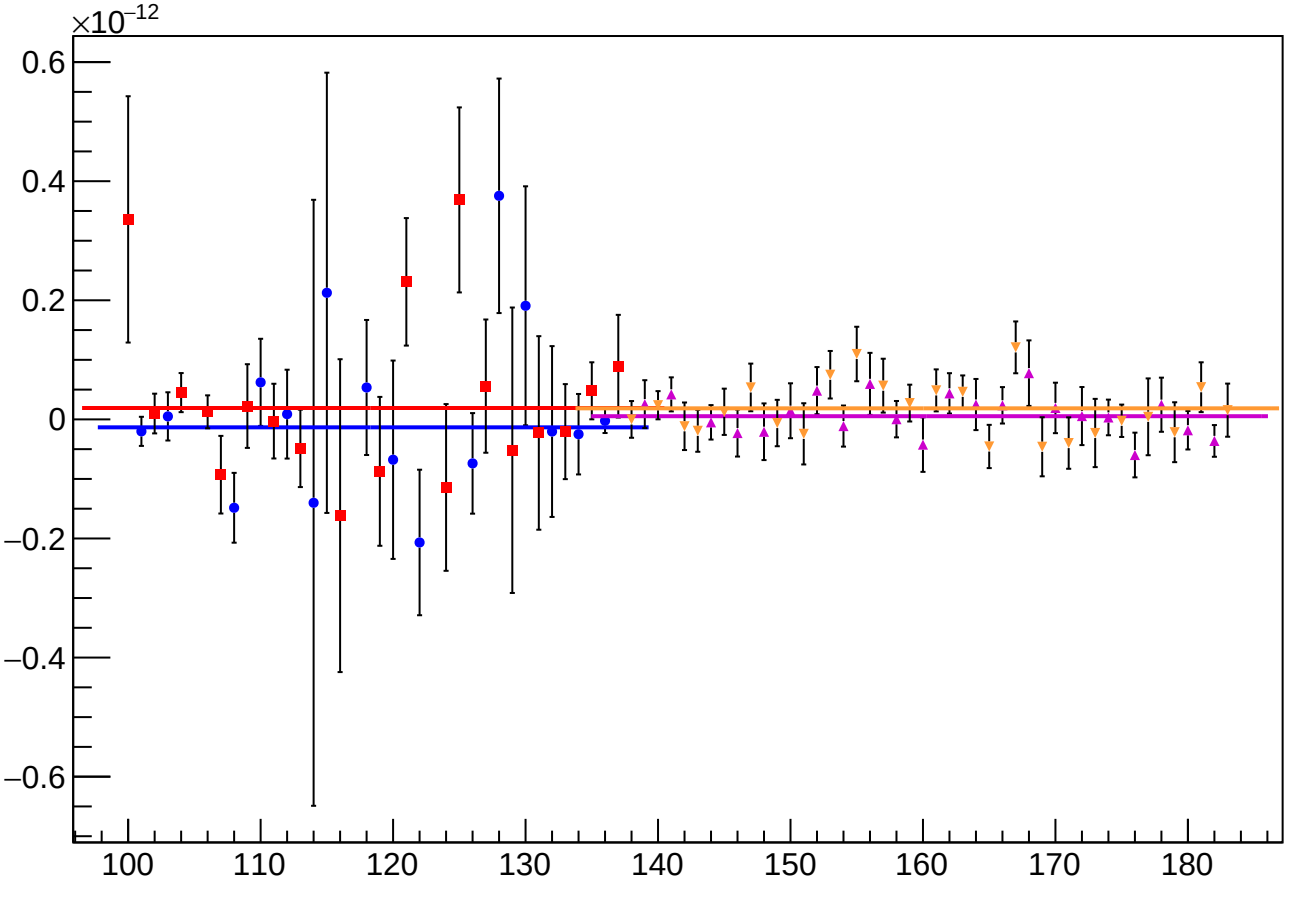
Left: 1043.438+/-0.122 χ^2/NDF: 1195312.4/45

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 789.990+/-0.122 χ^2/NDF:8201276.3/37

Out: 808.062+/-0.120 χ^2/NDF:7224912.5/42

All: 799.189+/-0.085 χ^2/NDF: 15437417.9/80



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/21

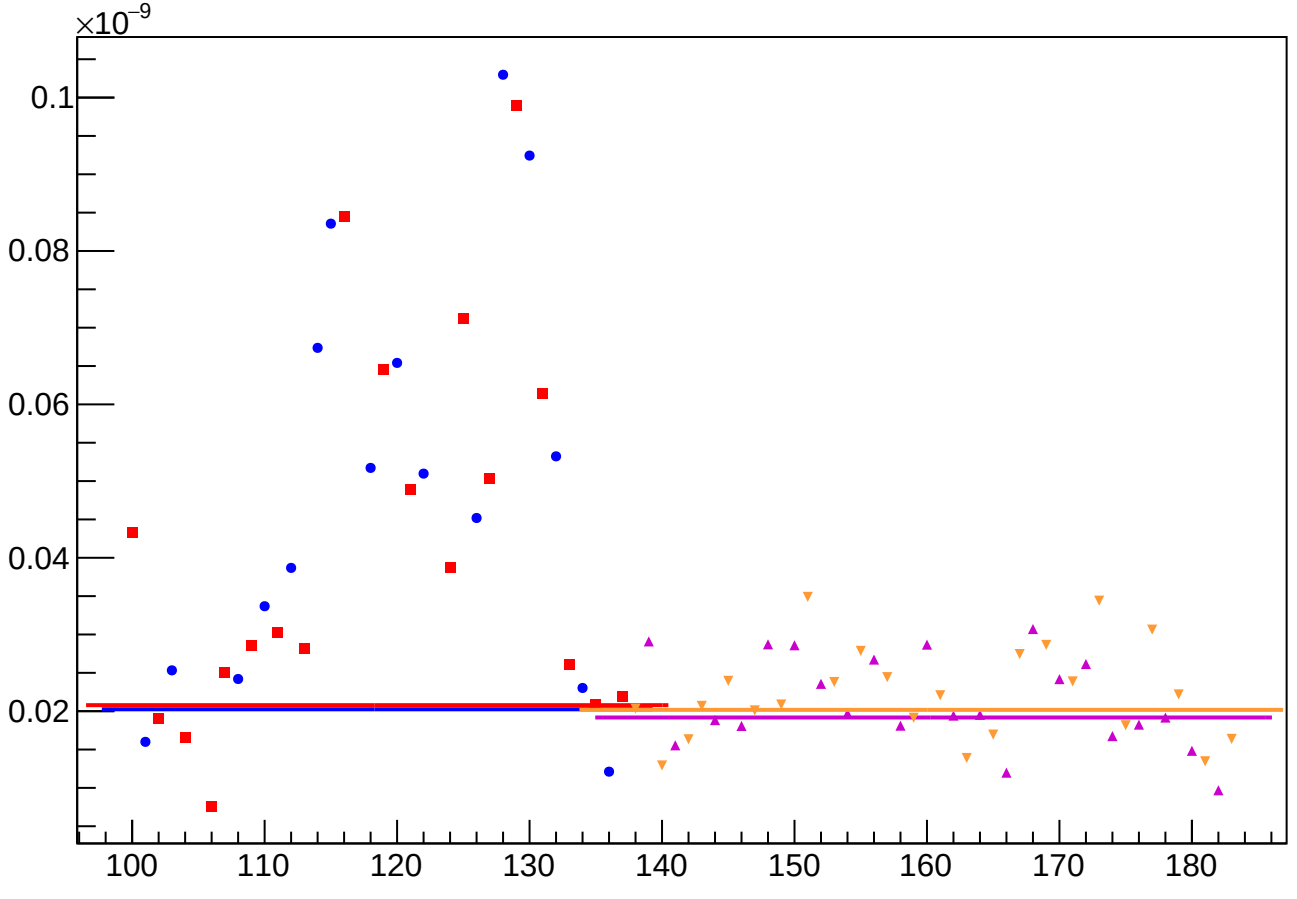
Left: 0.000+/-0.000 χ^2/NDF: 45.0/45

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:47.1/42

All: 0.000+/-0.000 χ^2/NDF: 84.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:993354.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1047156.5/21

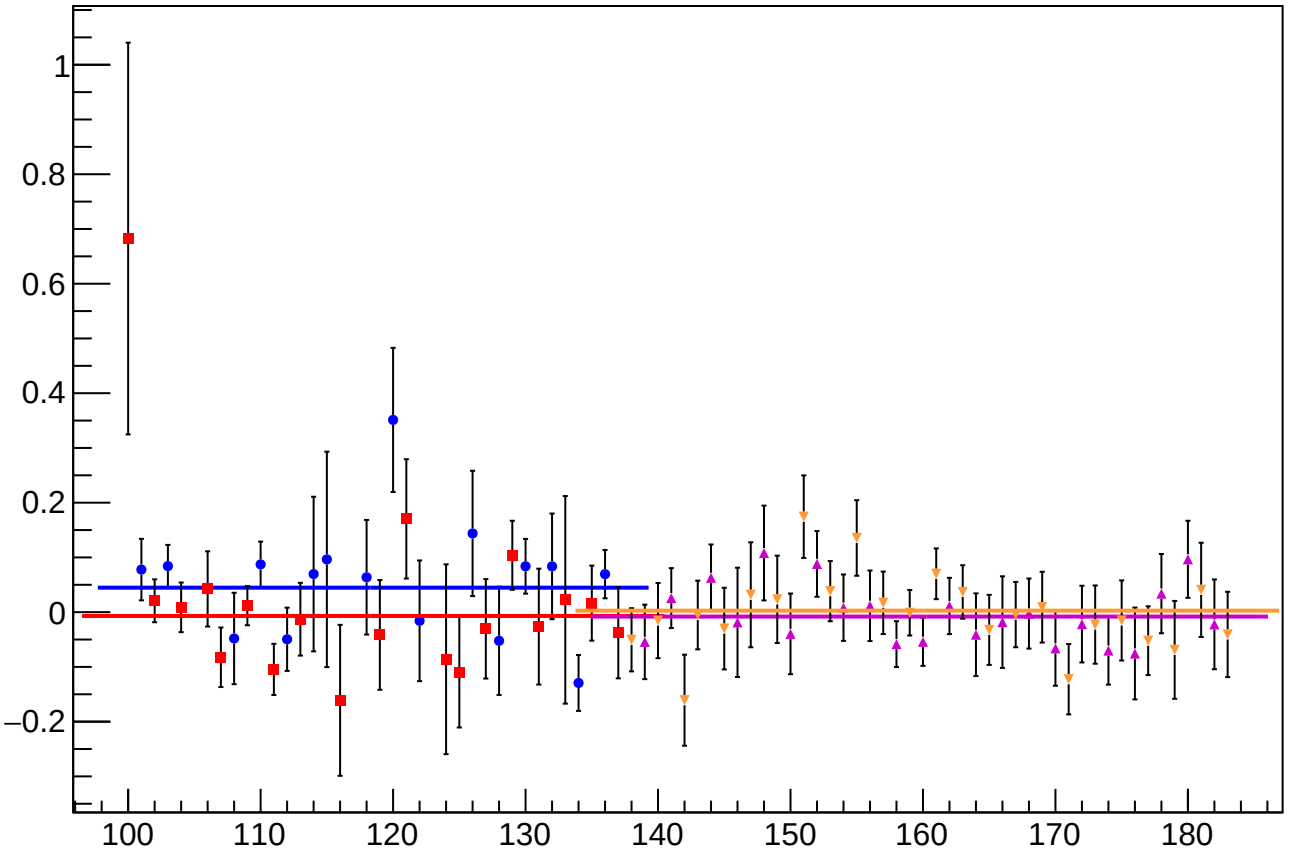
Left: 0.000+/-0.000 χ^2/NDF: 2057101.3/45

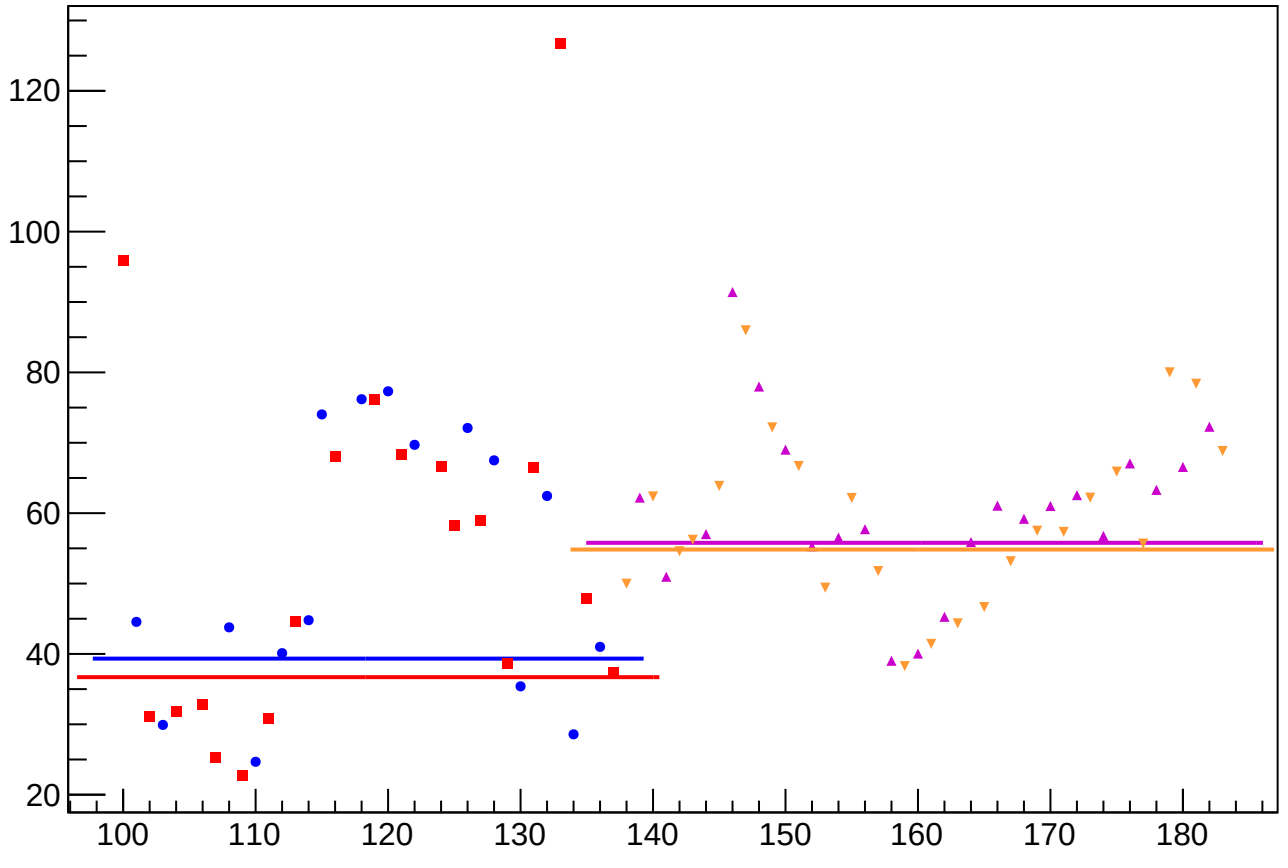
Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:3061850.7/37

Out: 0.000+/-0.000 χ^2/NDF:2852228.8/42

All: 0.000+/-0.000 χ^2/NDF: 5930412.3/80


asym_sam6_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.003+/-0.013 χ²/NDF:23.4/23
Right Out: -0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.008+/-0.014 χ²/NDF:14.8/21
Left: -0.002+/-0.009 χ²/NDF: 38.5/45
Right: 0.017+/-0.011 χ²/NDF: 52.3/34
In: 0.014+/-0.010 χ²/NDF:47.7/37
Out: -0.001+/-0.010 χ²/NDF:43.7/42
All: 0.006+/-0.007 χ²/NDF: 92.6/80



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 54.831+/-0.009 χ^2/NDF:1530232.1/23

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.788+/-0.010 χ^2/NDF:1376604.5/21

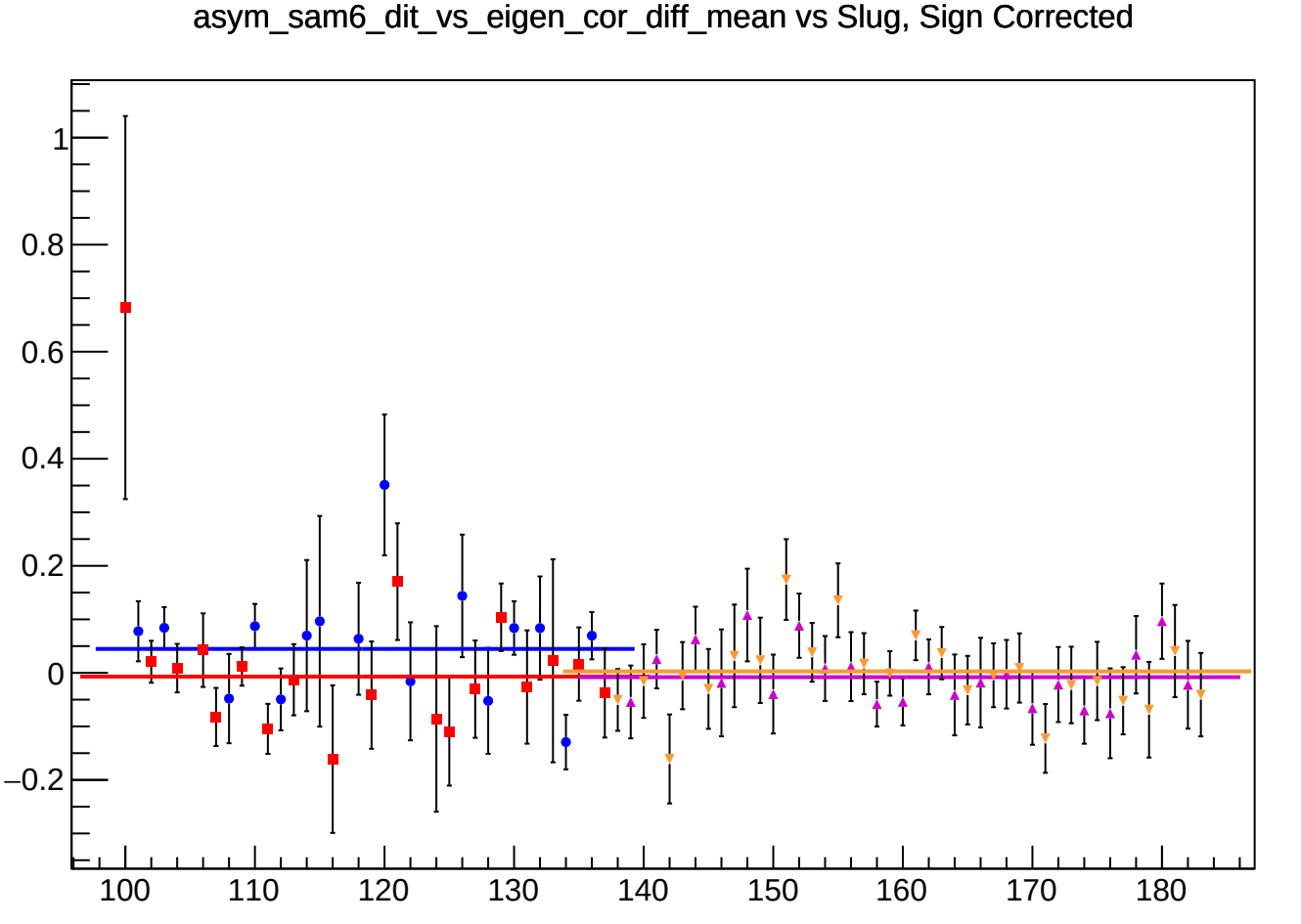
Left: 55.288+/-0.007 χ^2/NDF: 2912008.3/45

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 48.904+/-0.007 χ^2/NDF:4169784.9/37

Out: 47.116+/-0.007 χ^2/NDF:5281193.9/42

All: 47.965+/-0.005 χ^2/NDF: 9482225.6/80



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:23.4/23

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.014 χ^2/NDF:14.8/21

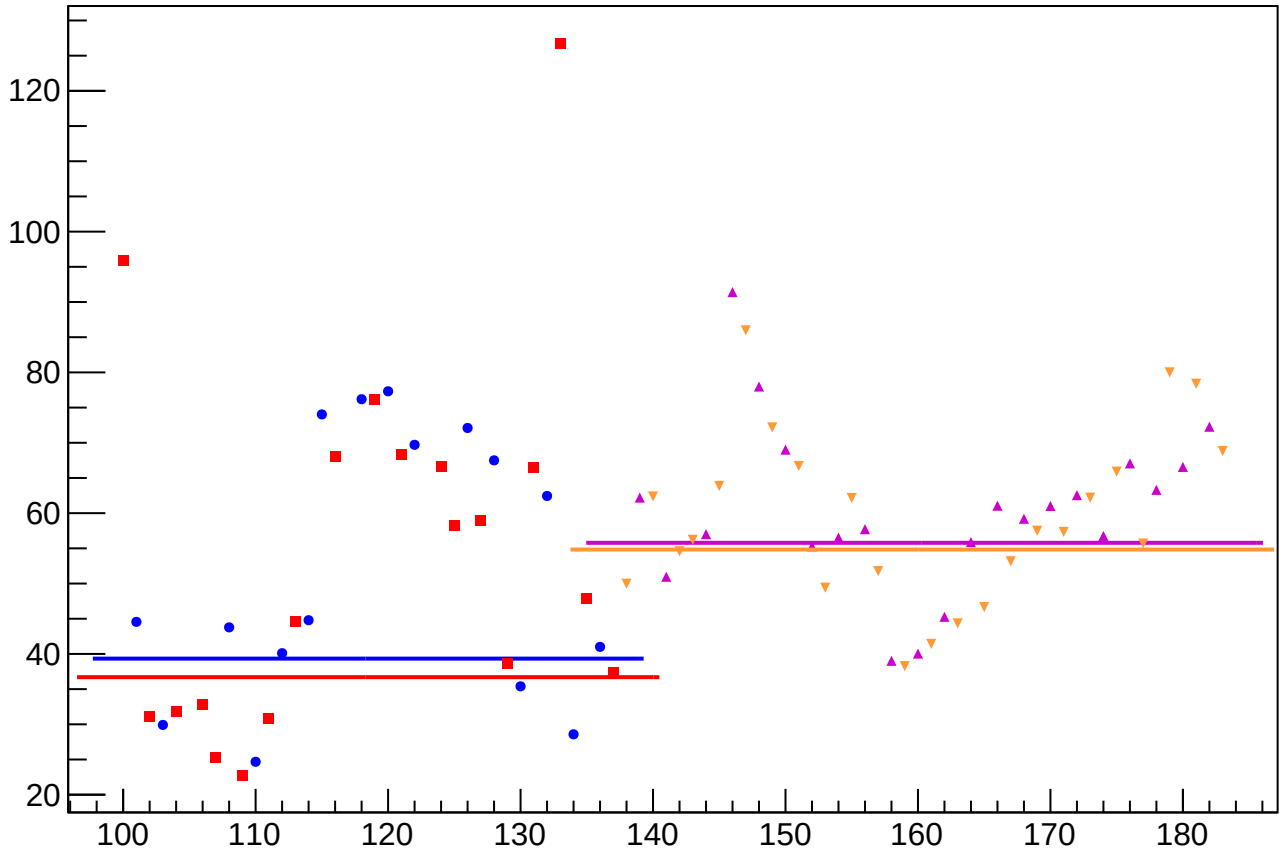
Left: -0.002+/-0.009 χ^2/NDF: 38.5/45

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:43.7/42

All: 0.006+/-0.007 χ^2/NDF: 92.6/80



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 54.831+/-0.009 χ^2/NDF:1530232.1/23

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.788+/-0.010 χ^2/NDF:1376604.5/21

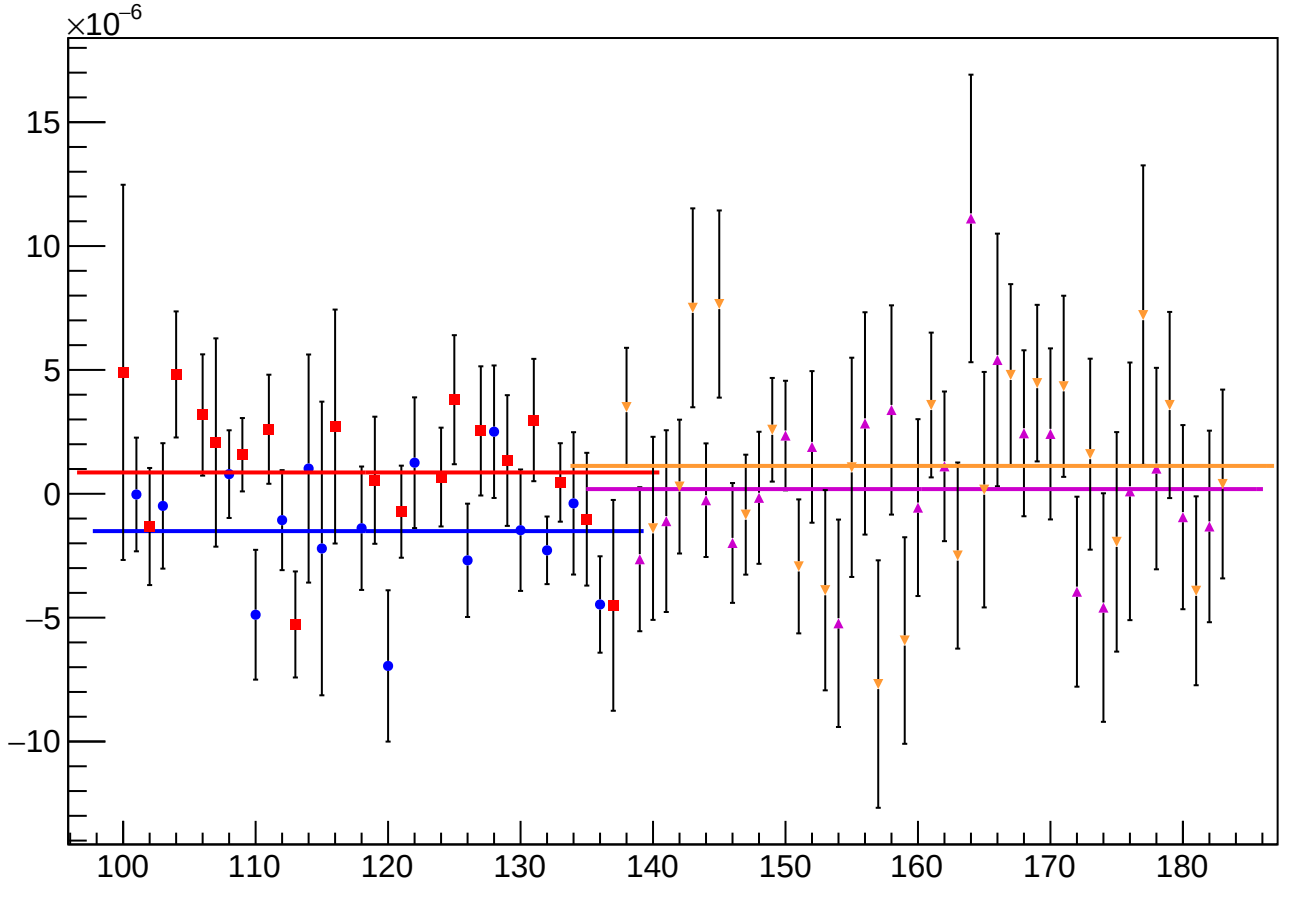
Left: 55.288+/-0.007 χ^2/NDF: 2912008.3/45

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 48.904+/-0.007 χ^2/NDF:4169784.9/37

Out: 47.116+/-0.007 χ^2/NDF:5281193.9/42

All: 47.965+/-0.005 χ^2/NDF: 9482225.6/80



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/21

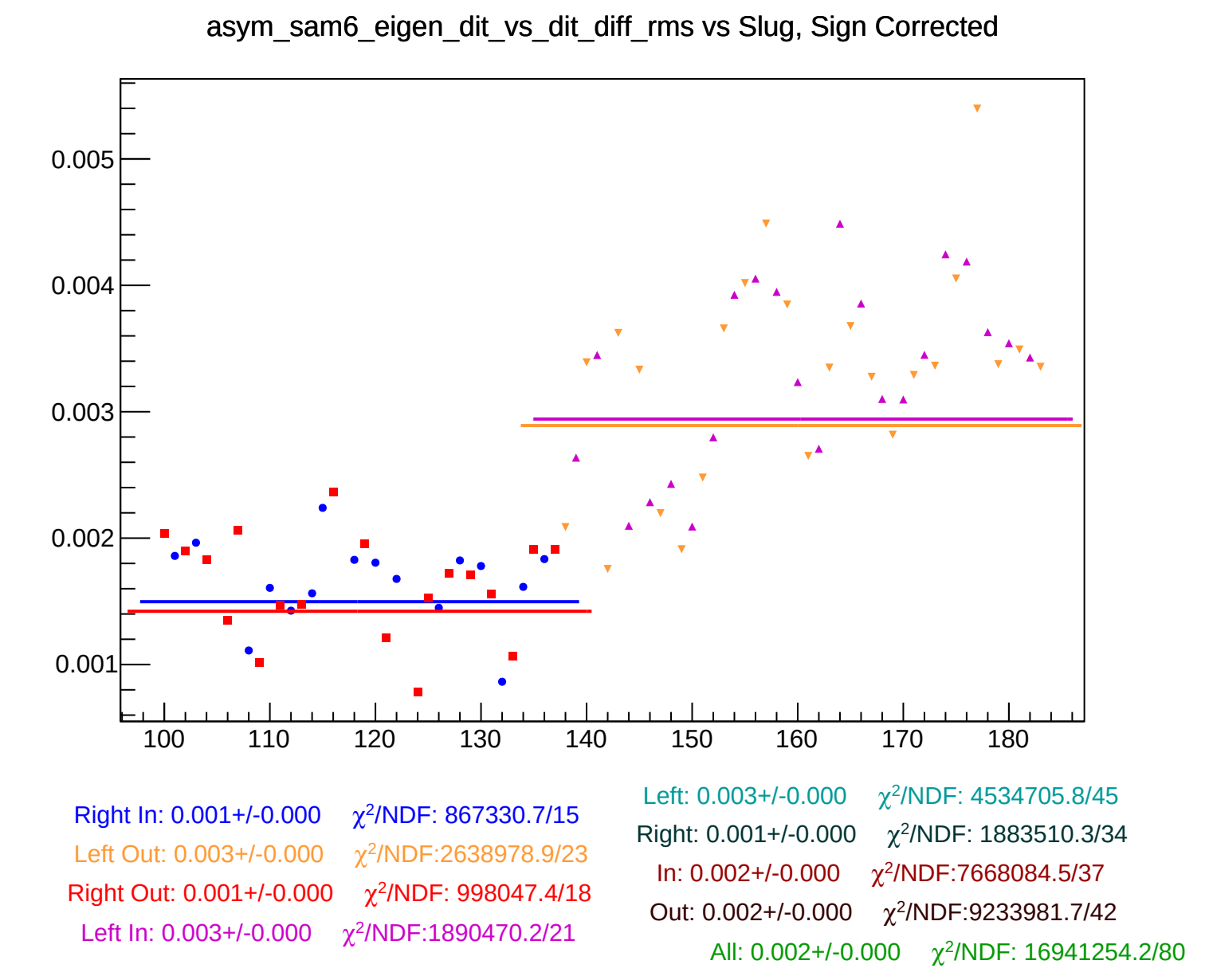
Left: 0.000+/-0.000 χ^2/NDF: 41.1/45

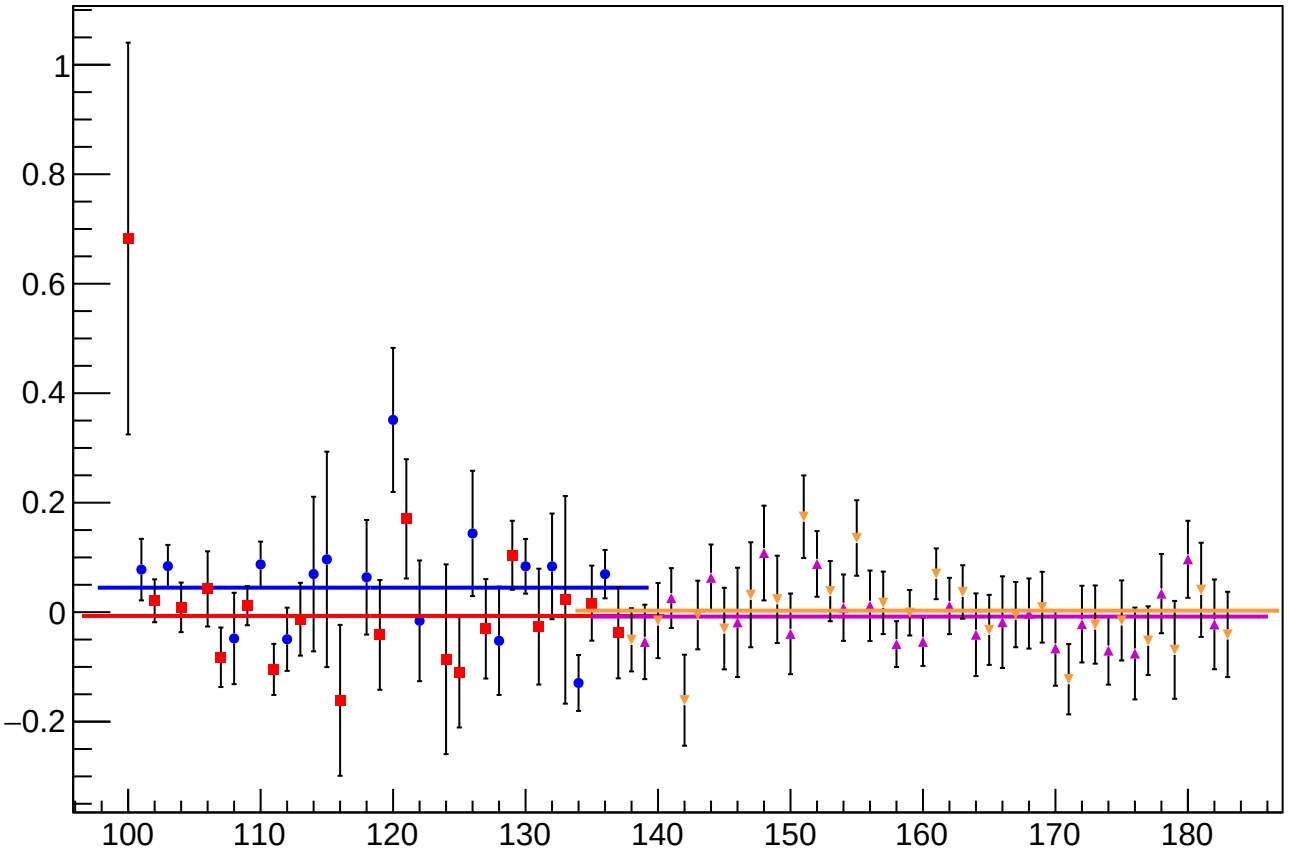
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:31.2/37

Out: 0.000+/-0.000 χ^2/NDF:45.5/42

All: 0.000+/-0.000 χ^2/NDF: 85.0/80


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:2638978.9/23
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: 4534705.8/45
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:9233981.7/42
All: 0.002+/-0.000 χ²/NDF: 16941254.2/80



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:23.4/23

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.014 χ^2/NDF:14.8/21

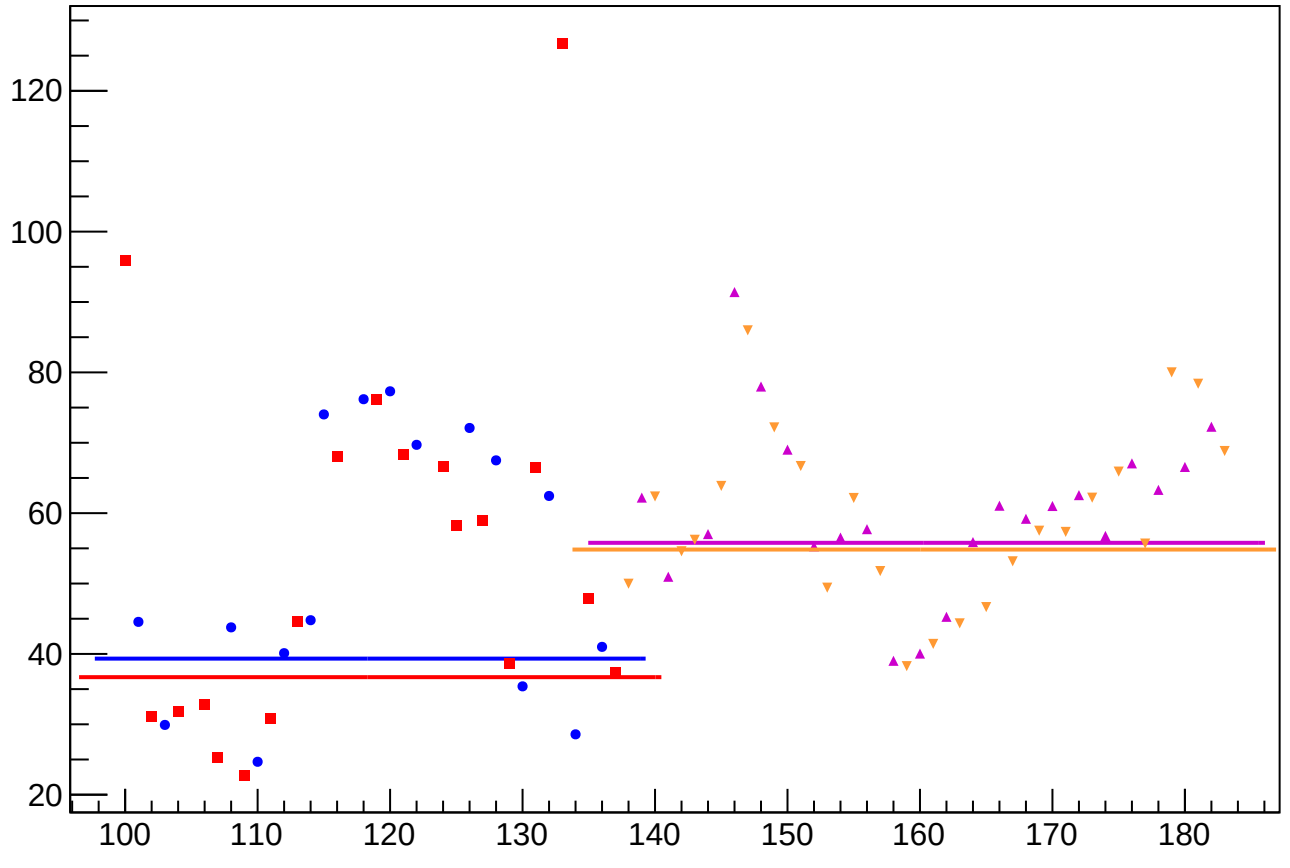
Left: -0.002+/-0.009 χ^2/NDF: 38.5/45

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:43.7/42

All: 0.006+/-0.007 χ^2/NDF: 92.6/80



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 54.830+/-0.009 χ^2/NDF:1530350.3/23

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.786+/-0.010 χ^2/NDF:1376767.2/21

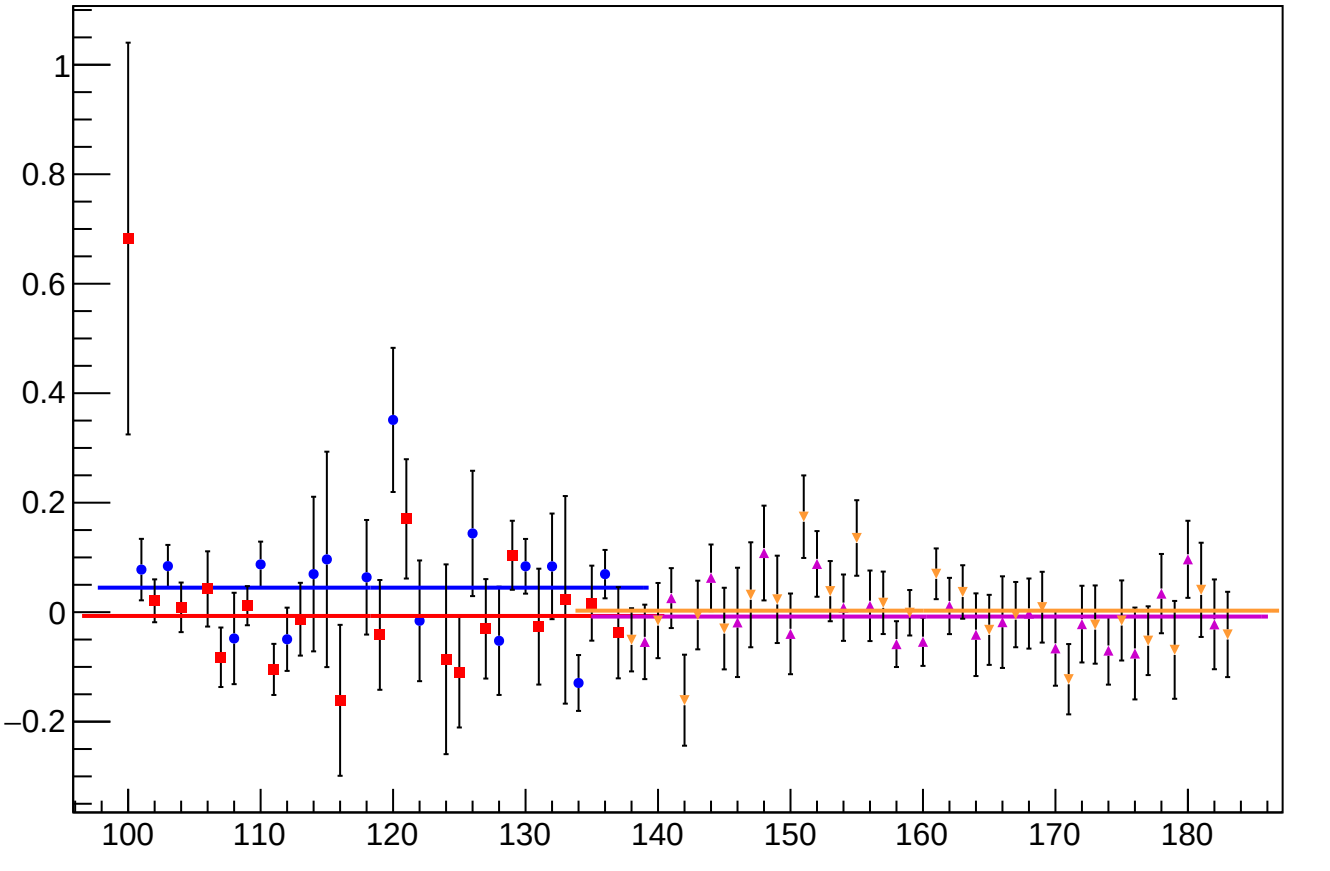
Left: 55.287+/-0.007 χ^2/NDF: 2912287.5/45

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

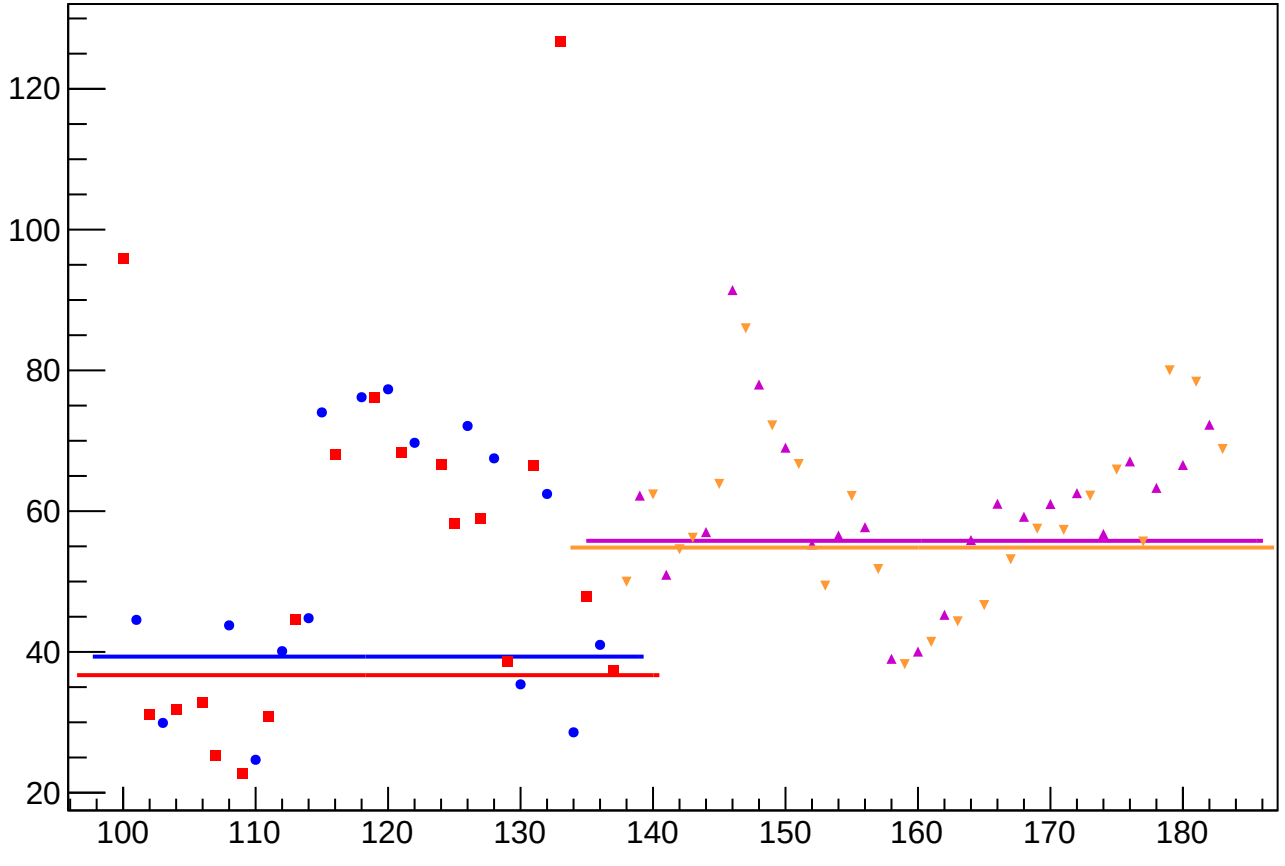
In: 48.903+/-0.007 χ^2/NDF:4169908.2/37

Out: 47.115+/-0.007 χ^2/NDF:5281206.6/42

All: 47.964+/-0.005 χ^2/NDF: 9482353.6/80


asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.003+/-0.013 χ²/NDF:23.4/23
Right Out: -0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.008+/-0.014 χ²/NDF:14.8/21
Left: -0.002+/-0.009 χ²/NDF: 38.5/45
Right: 0.017+/-0.011 χ²/NDF: 52.3/34
In: 0.014+/-0.010 χ²/NDF:47.7/37
Out: -0.001+/-0.010 χ²/NDF:43.7/42
All: 0.006+/-0.007 χ²/NDF: 92.6/80

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: 54.830+/-0.009 χ^2/NDF:1530350.3/23

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: 55.287+/-0.007 χ^2/NDF: 2912287.5/45

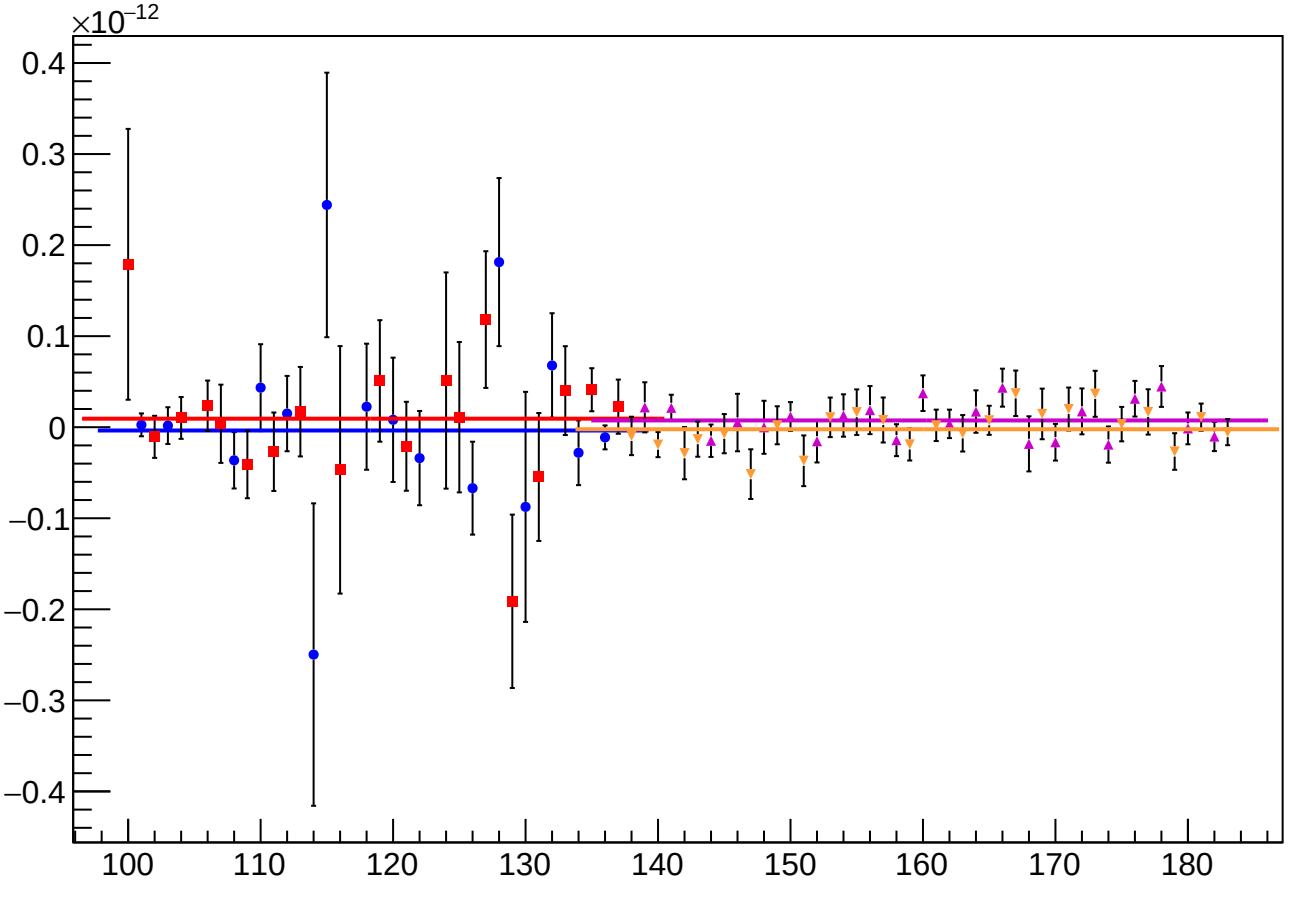
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 48.903+/-0.007 χ^2/NDF:4169908.2/37

Out: 47.115+/-0.007 χ^2/NDF:5281206.6/42

All: 47.964+/-0.005 χ^2/NDF: 9482353.6/80

asym_sam6_eigen_cor_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:19.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.0/21

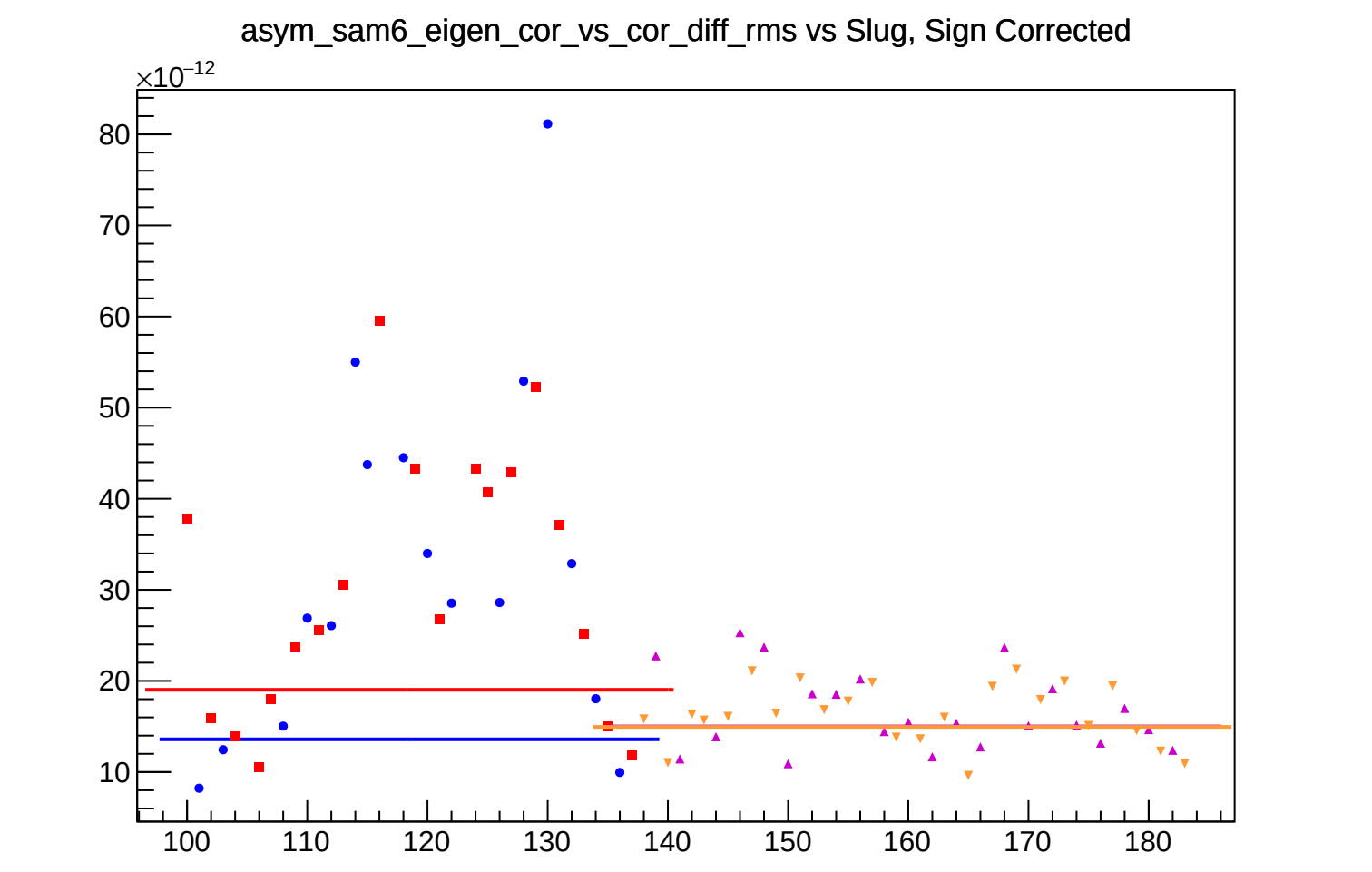
Left: 0.000+/-0.000 χ^2/NDF: 42.9/45

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:36.4/42

All: 0.000+/-0.000 χ^2/NDF: 76.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1299126.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1410368.1/21

Left: 0.000+/-0.000 χ^2/NDF: 2709643.6/45

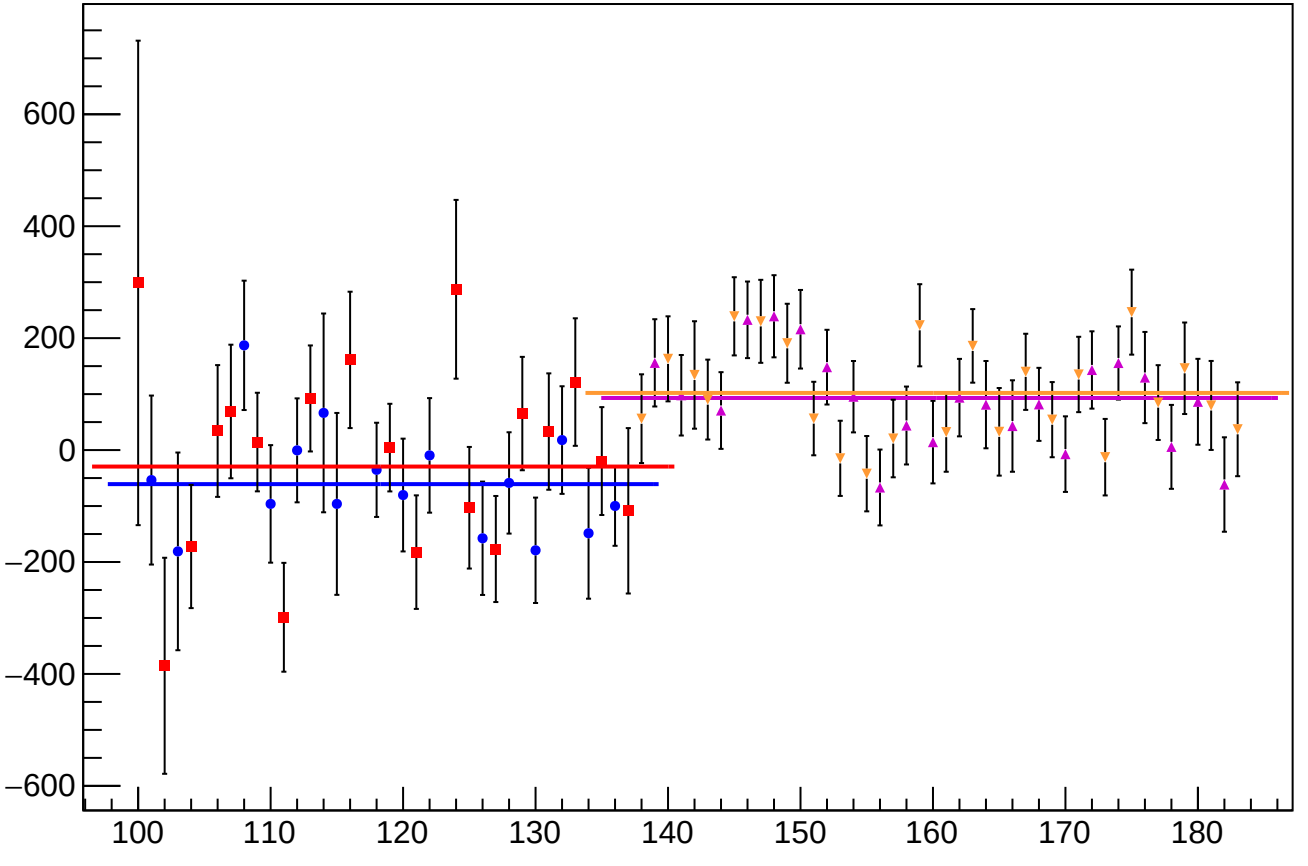
Right: 0.000+/-0.000 χ^2/NDF: 5674807.3/34

In: 0.000+/-0.000 χ^2/NDF:4654049.6/37

Out: 0.000+/-0.000 χ^2/NDF:3681907.2/42

All: 0.000+/-0.000 χ^2/NDF: 8409476.1/80

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 102.120+/-14.734 χ^2/NDF:33.6/23

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: 97.750+/-10.590 χ^2/NDF: 62.7/45

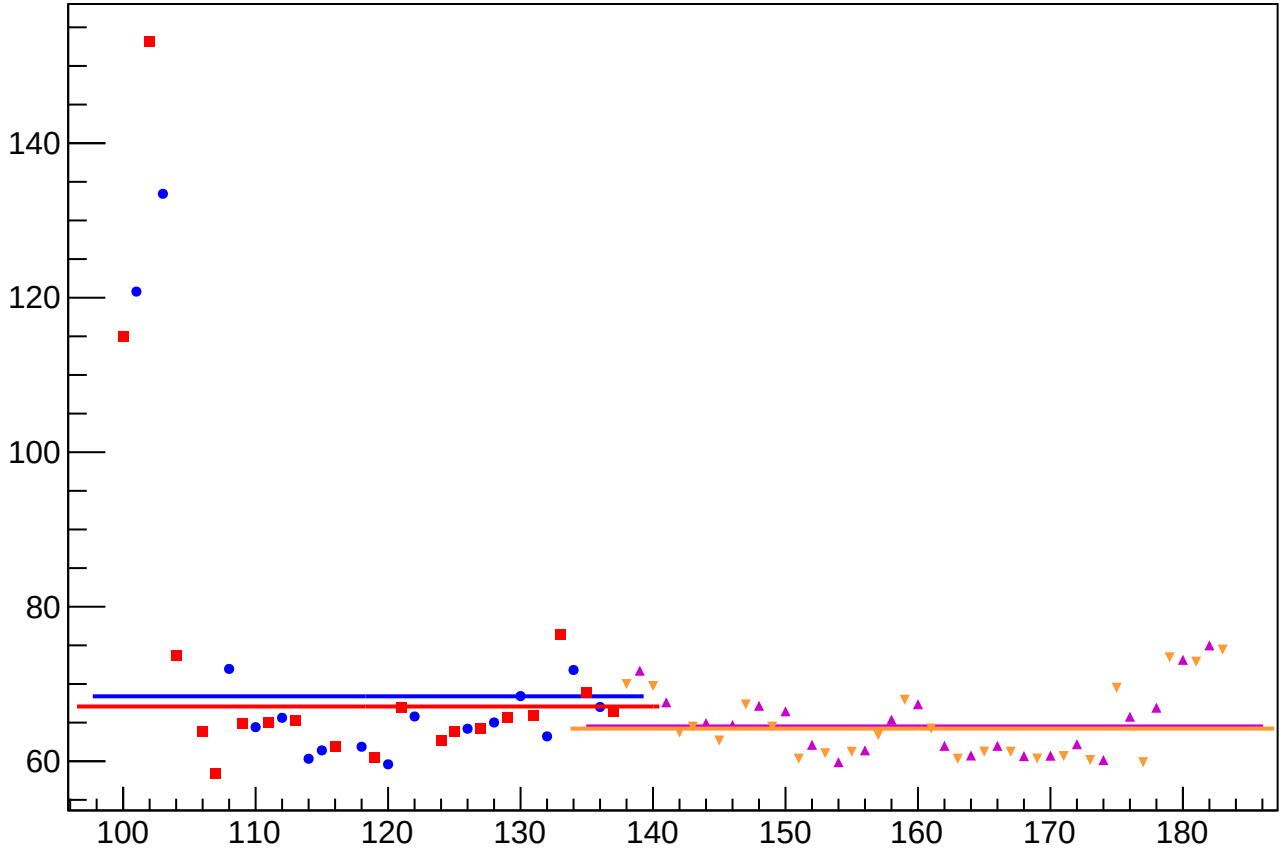
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 53.868+/-13.150 χ^2/NDF:65.4/37

Out: 68.413+/-12.707 χ^2/NDF:85.3/42

All: 61.390+/-9.138 χ^2/NDF: 151.3/80

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.224+/-0.010 χ^2/NDF:176940.6/23

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 64.506+/-0.011 χ^2/NDF:137999.4/21

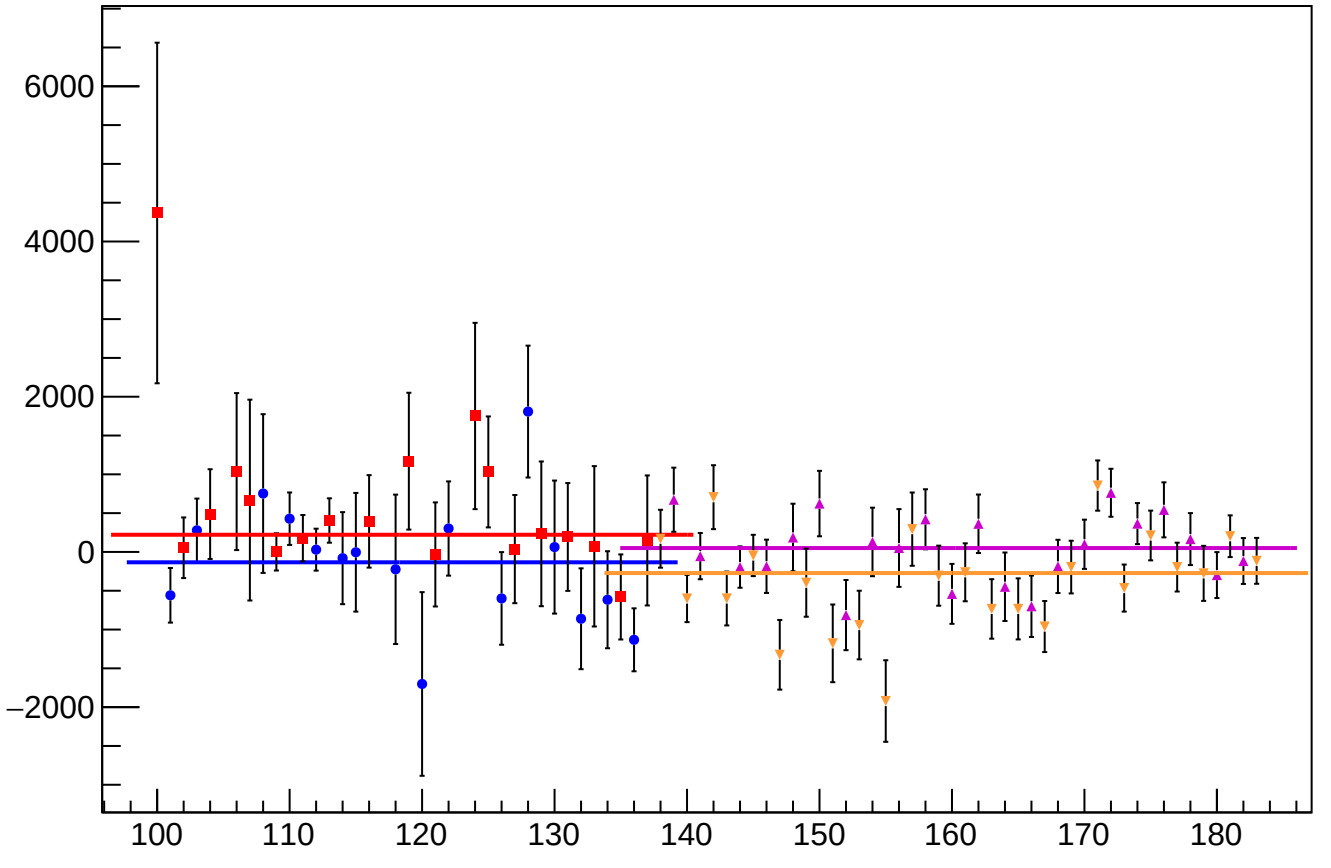
Left: 64.360+/-0.007 χ^2/NDF: 315294.1/45

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 65.498+/-0.009 χ^2/NDF:740916.6/37

Out: 64.957+/-0.009 χ^2/NDF:678090.7/42

All: 65.218+/-0.006 χ^2/NDF: 1420761.9/80



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -272.128+/-72.124 χ^2/NDF:57.8/23

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 50.145+/-74.650 χ^2/NDF:29.1/21

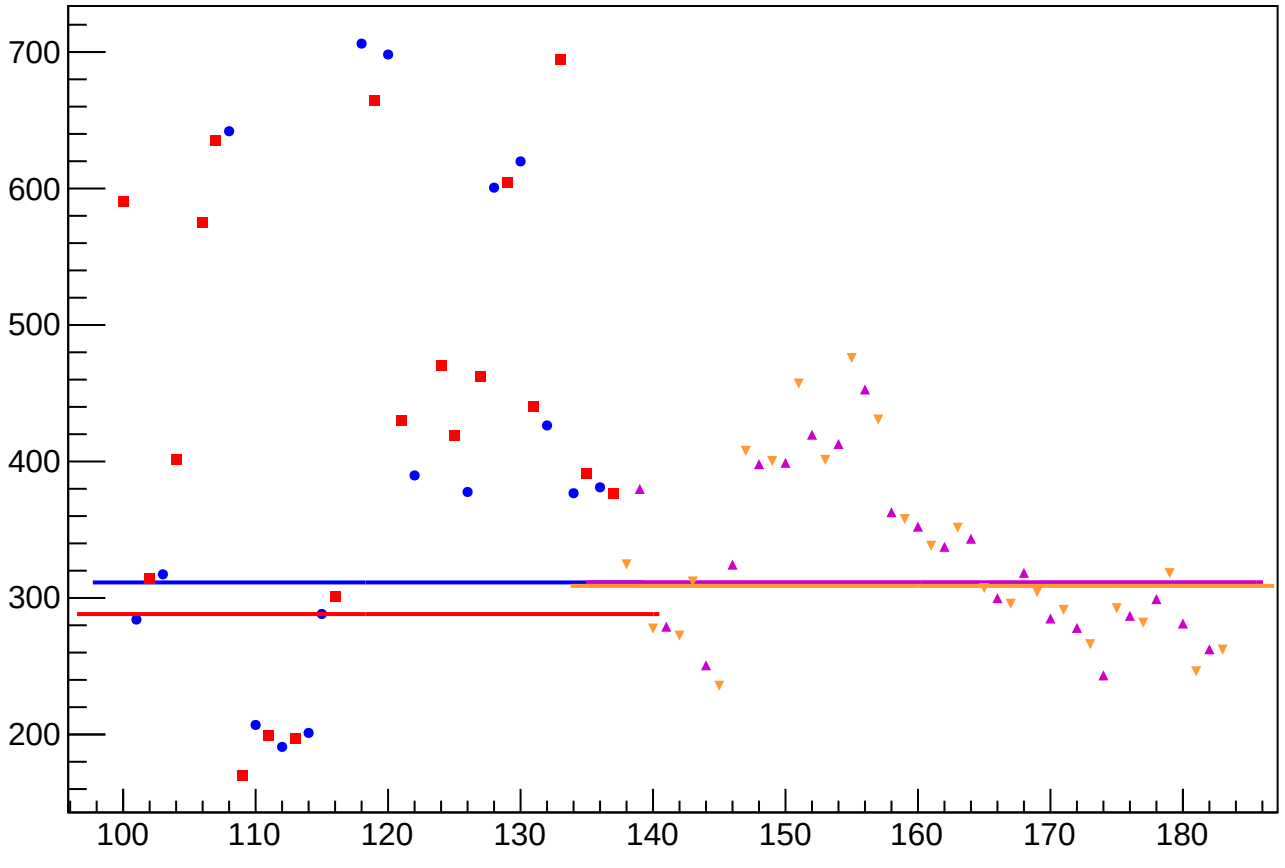
Left: -116.535+/-51.869 χ^2/NDF: 96.6/45

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: 2.354+/-64.212 χ^2/NDF:53.2/37

Out: -137.557+/-61.508 χ^2/NDF:83.1/42

All: -70.608+/-44.418 χ^2/NDF: 138.8/80



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 308.866+/-0.051 χ^2/NDF:1271773.1/23

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: 310.149+/-0.037 χ^2/NDF: 2341270.0/45

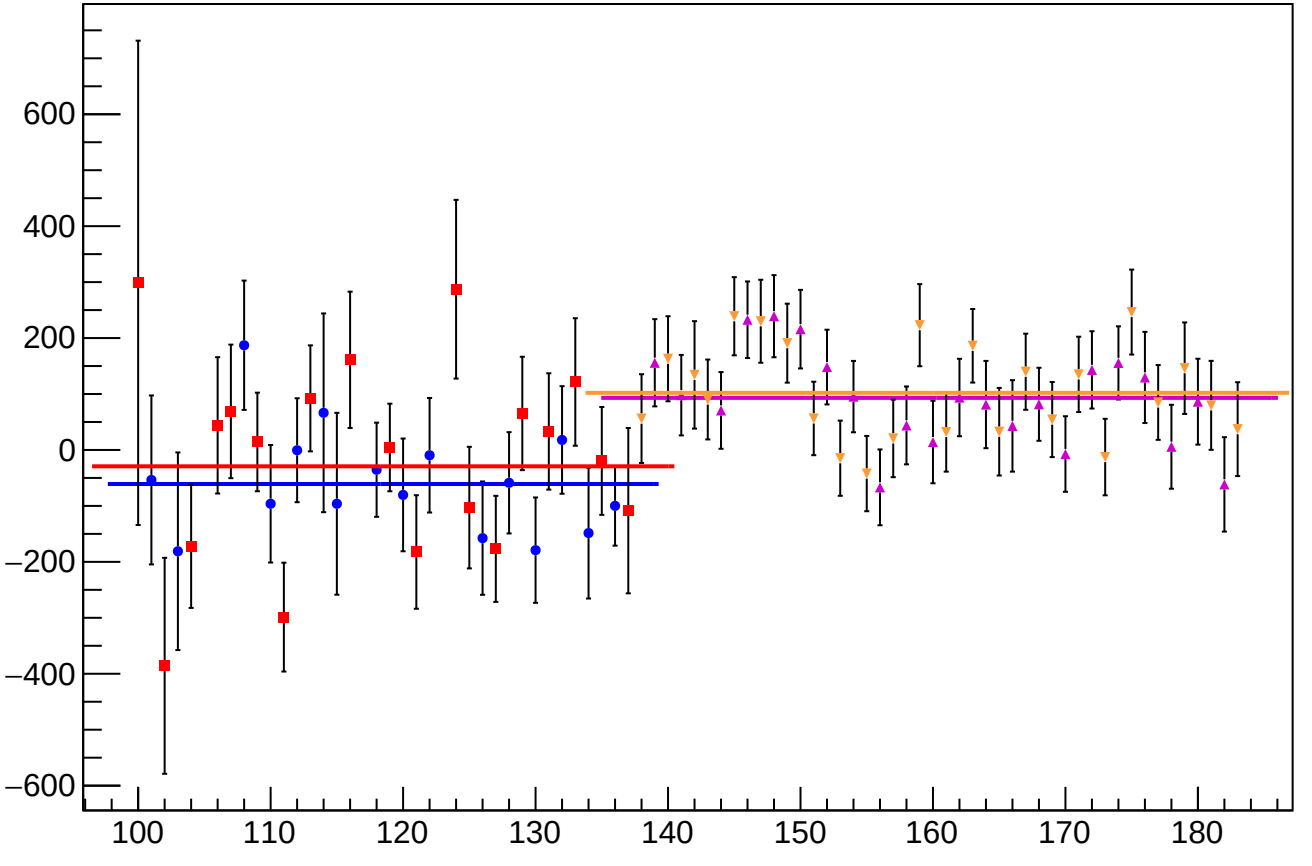
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 311.487+/-0.045 χ^2/NDF:3191986.4/37

Out: 303.232+/-0.043 χ^2/NDF:4031914.4/42

All: 307.182+/-0.031 χ^2/NDF: 7241141.2/80

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 102.120+/-14.734 χ^2/NDF:33.6/23

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: 97.750+/-10.590 χ^2/NDF: 62.7/45

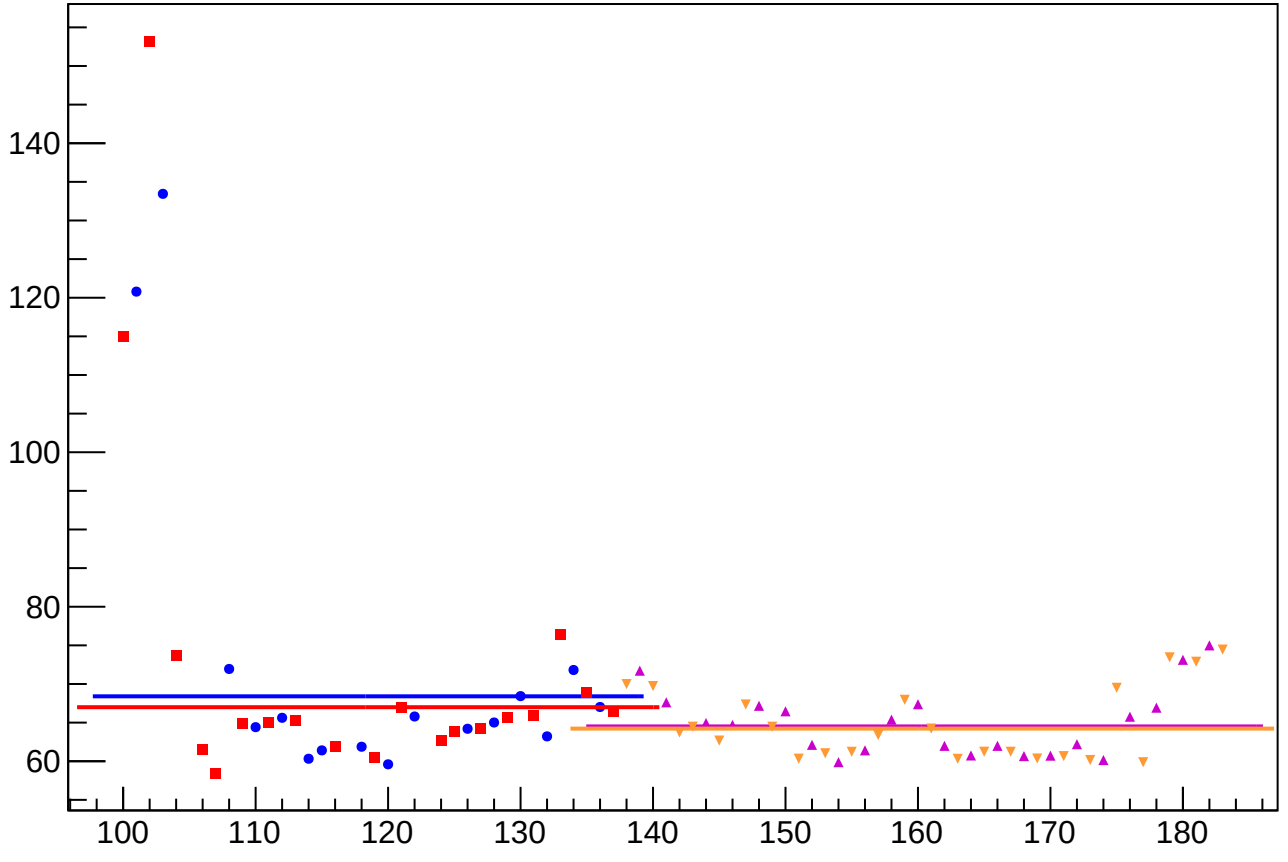
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 53.867+/-13.150 χ^2/NDF:65.4/37

Out: 68.547+/-12.712 χ^2/NDF:85.2/42

All: 61.456+/-9.140 χ^2/NDF: 151.3/80

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.224+/-0.010 χ^2/NDF:176940.6/23

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.506+/-0.011 χ^2/NDF:137999.4/21

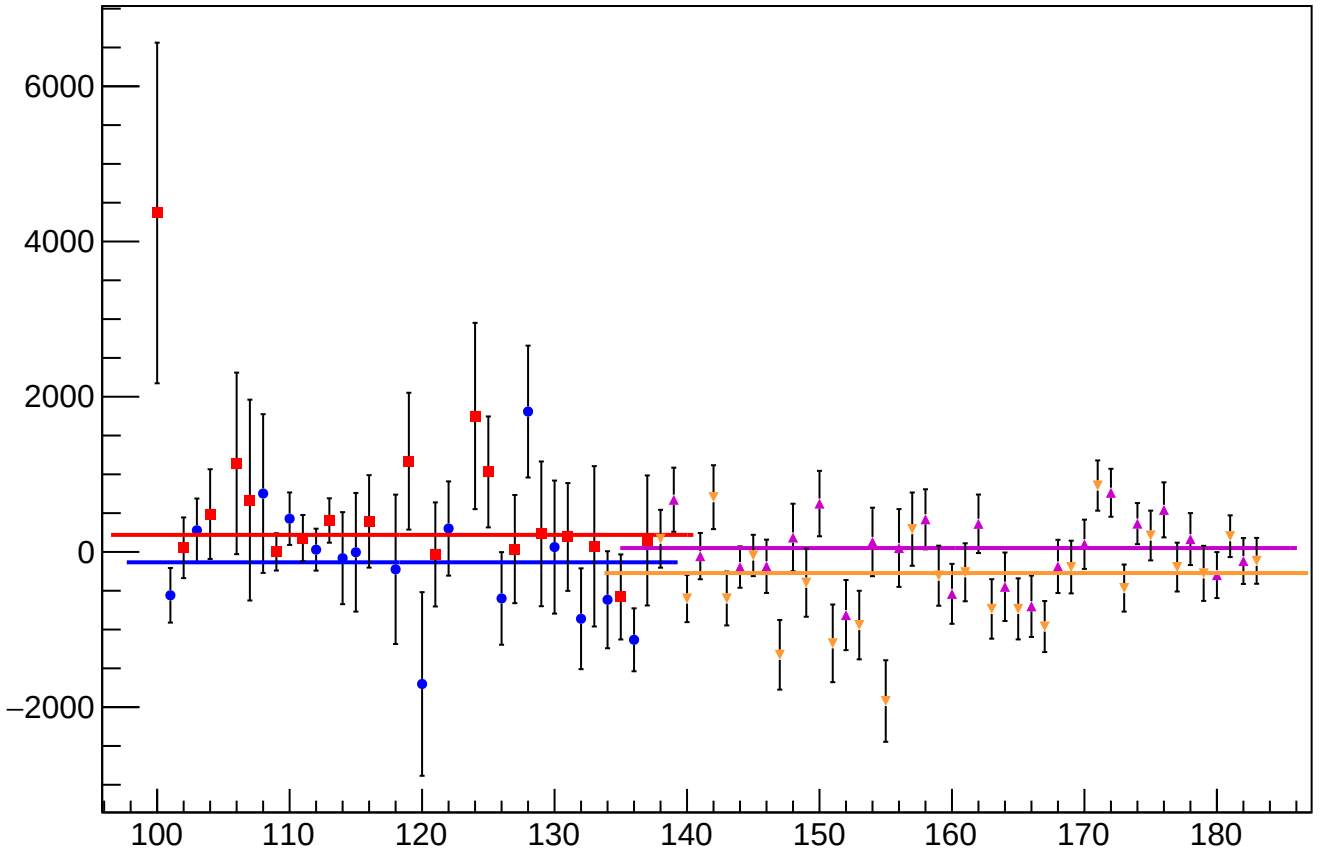
Left: 64.360+/-0.007 χ^2/NDF: 315294.1/45

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.498+/-0.009 χ^2/NDF:740916.9/37

Out: 64.932+/-0.009 χ^2/NDF:679511.5/42

All: 65.206+/-0.006 χ^2/NDF: 1422347.6/80



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -272.130+/-72.124 χ^2/NDF:57.8/23

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 50.143+/-74.650 χ^2/NDF:29.1/21

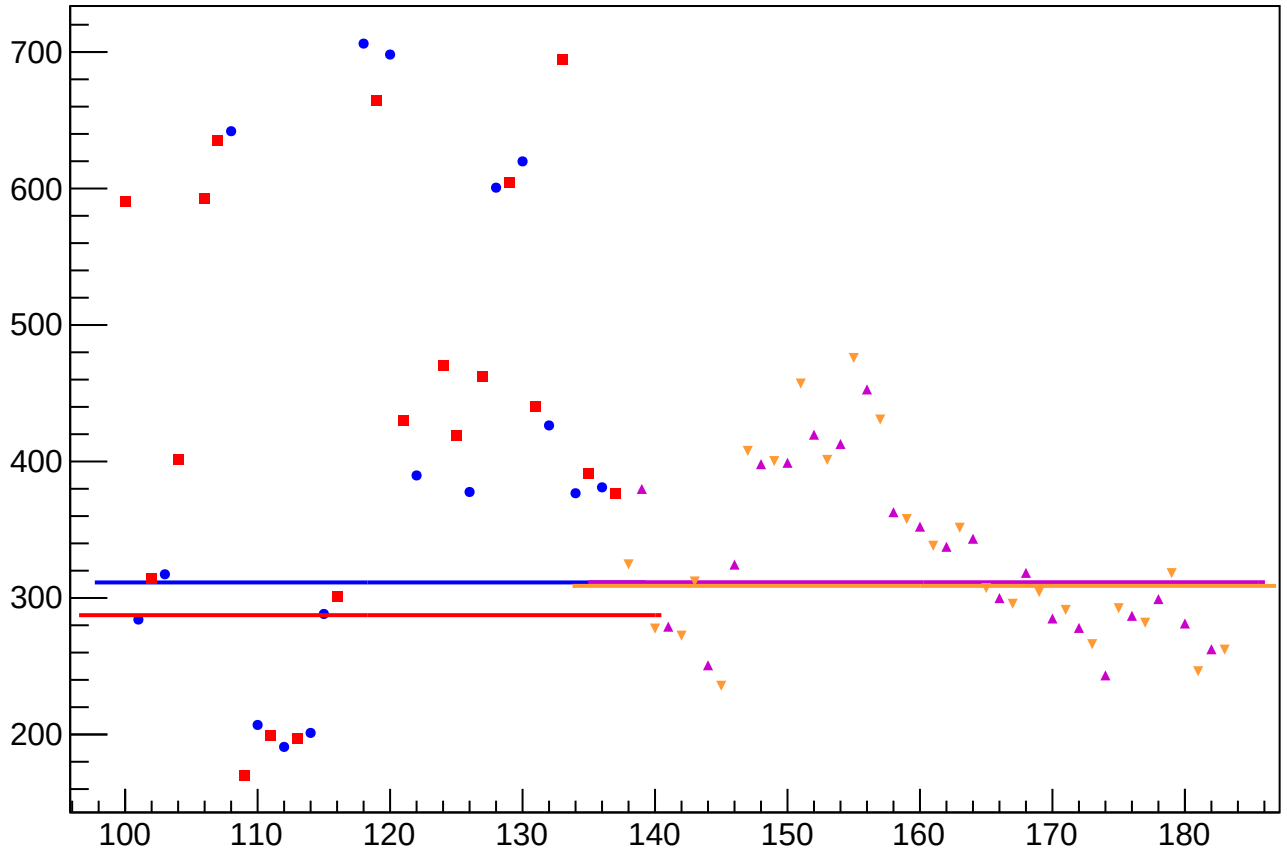
Left: -116.537+/-51.869 χ^2/NDF: 96.6/45

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: 2.354+/-64.212 χ^2/NDF:53.2/37

Out: -138.367+/-61.538 χ^2/NDF:83.0/42

All: -70.997+/-44.429 χ^2/NDF: 138.7/80



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 308.866+/-0.051 χ^2/NDF:1271772.0/23

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 311.523+/-0.053 χ^2/NDF:1068188.6/21

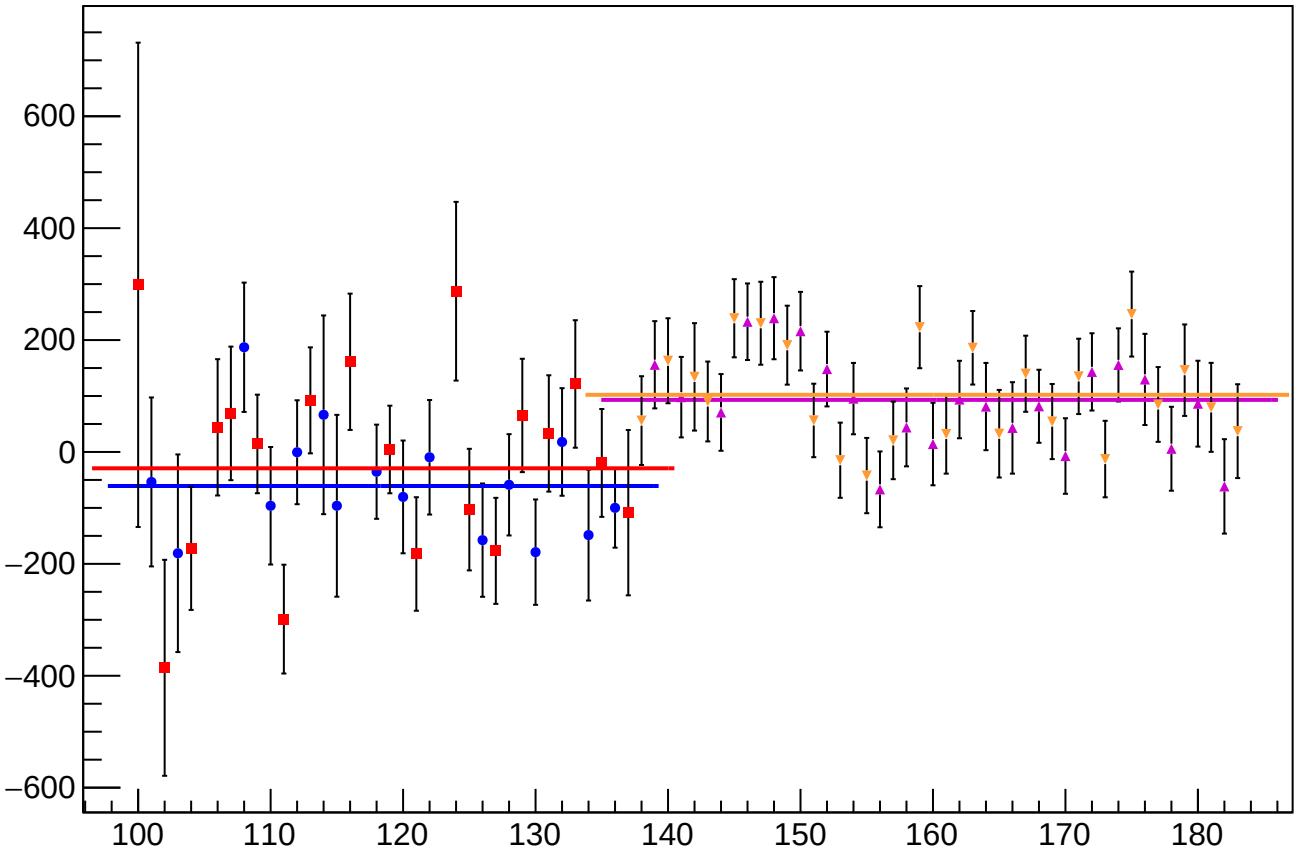
Left: 310.149+/-0.037 χ^2/NDF: 2341270.9/45

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 311.488+/-0.045 χ^2/NDF:3191989.4/37

Out: 303.031+/-0.044 χ^2/NDF:4010163.0/42

All: 307.079+/-0.031 χ^2/NDF: 7220237.5/80



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 102.120+/-14.734 χ^2/NDF:33.6/23

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: 97.750+/-10.590 χ^2/NDF: 62.7/45

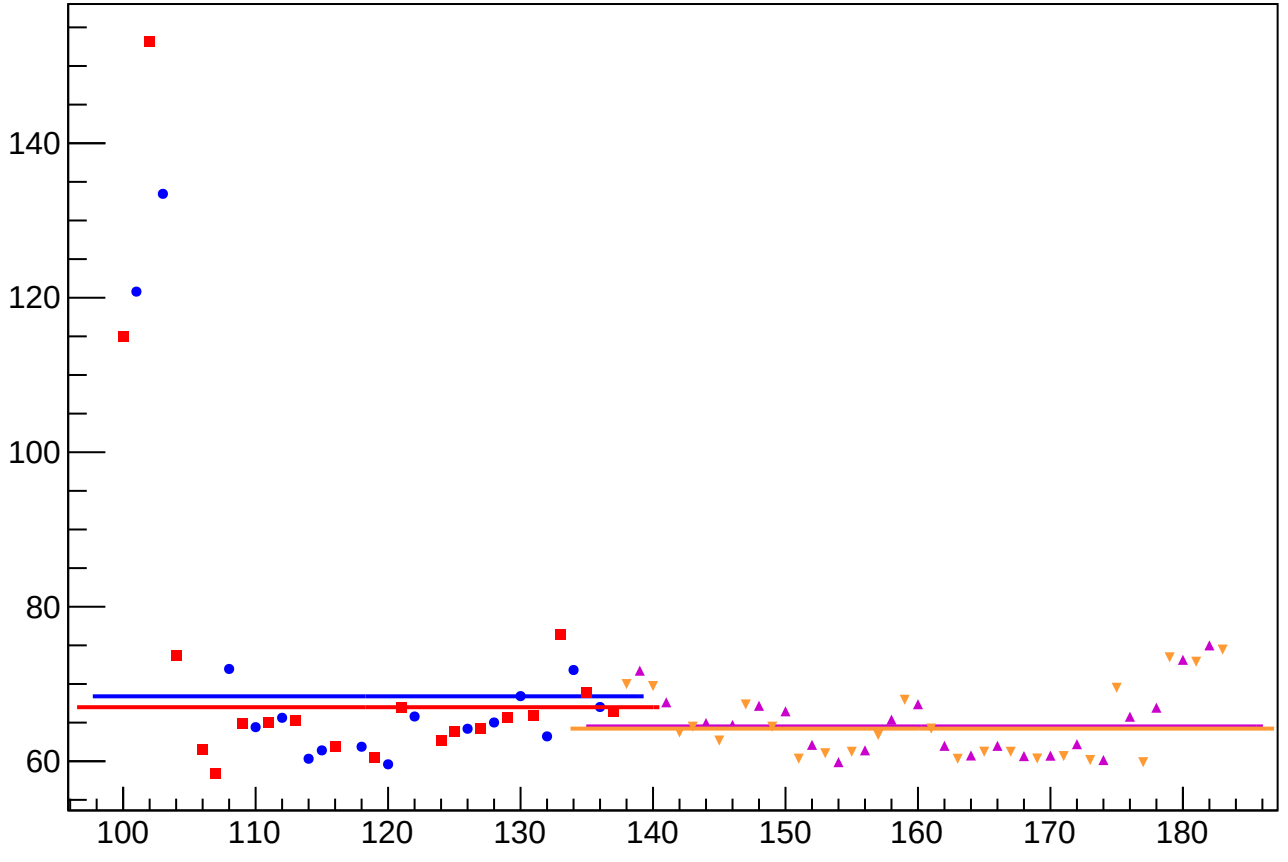
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 53.867+/-13.150 χ^2/NDF:65.4/37

Out: 68.547+/-12.712 χ^2/NDF:85.2/42

All: 61.456+/-9.140 χ^2/NDF: 151.3/80

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.224+/-0.010 χ^2/NDF:176940.6/23

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: 64.360+/-0.007 χ^2/NDF: 315294.1/45

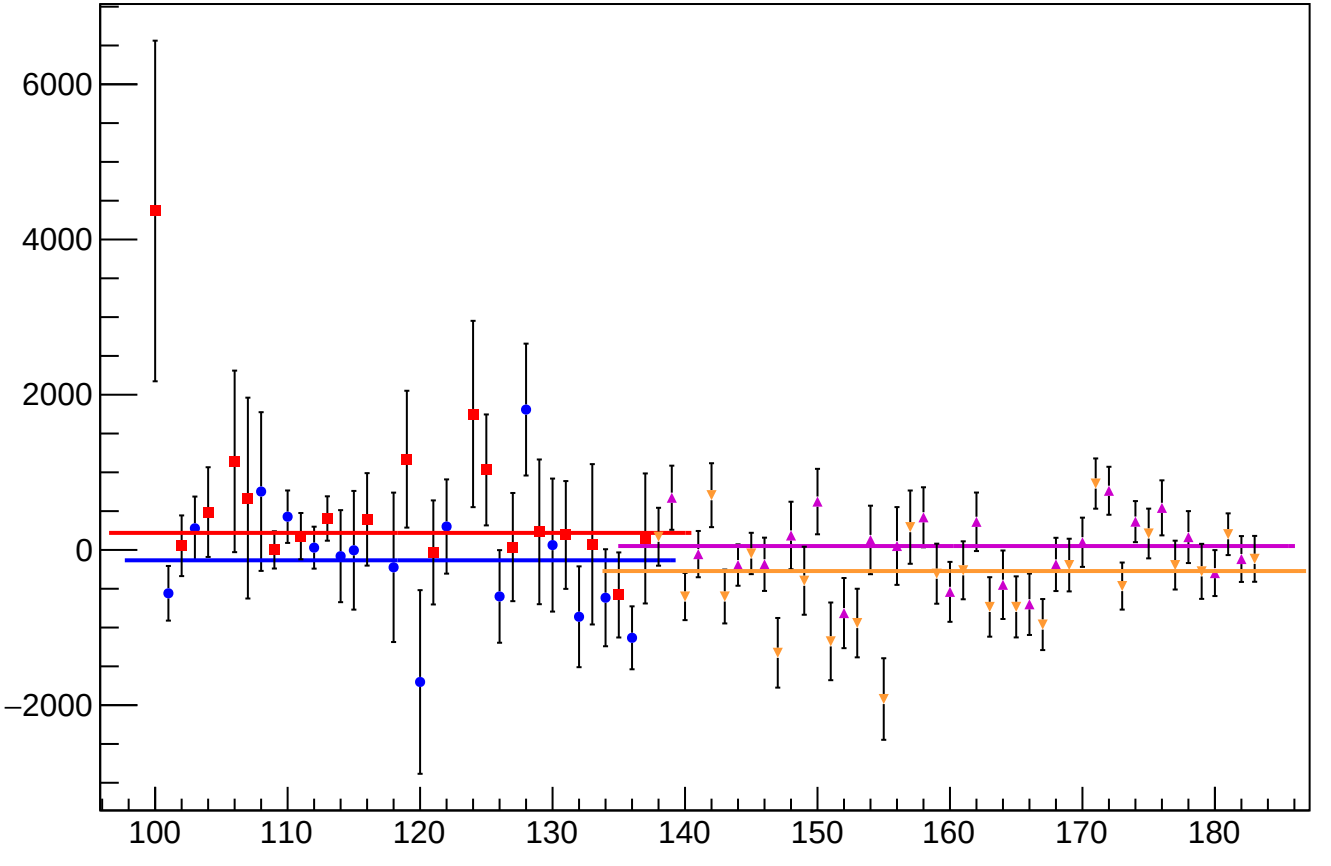
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.498+/-0.009 χ^2/NDF:740916.9/37

Out: 64.932+/-0.009 χ^2/NDF:679511.5/42

All: 65.206+/-0.006 χ^2/NDF: 1422347.6/80

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -272.130+/-72.124 χ^2/NDF:57.8/23

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 50.143+/-74.650 χ^2/NDF:29.1/21

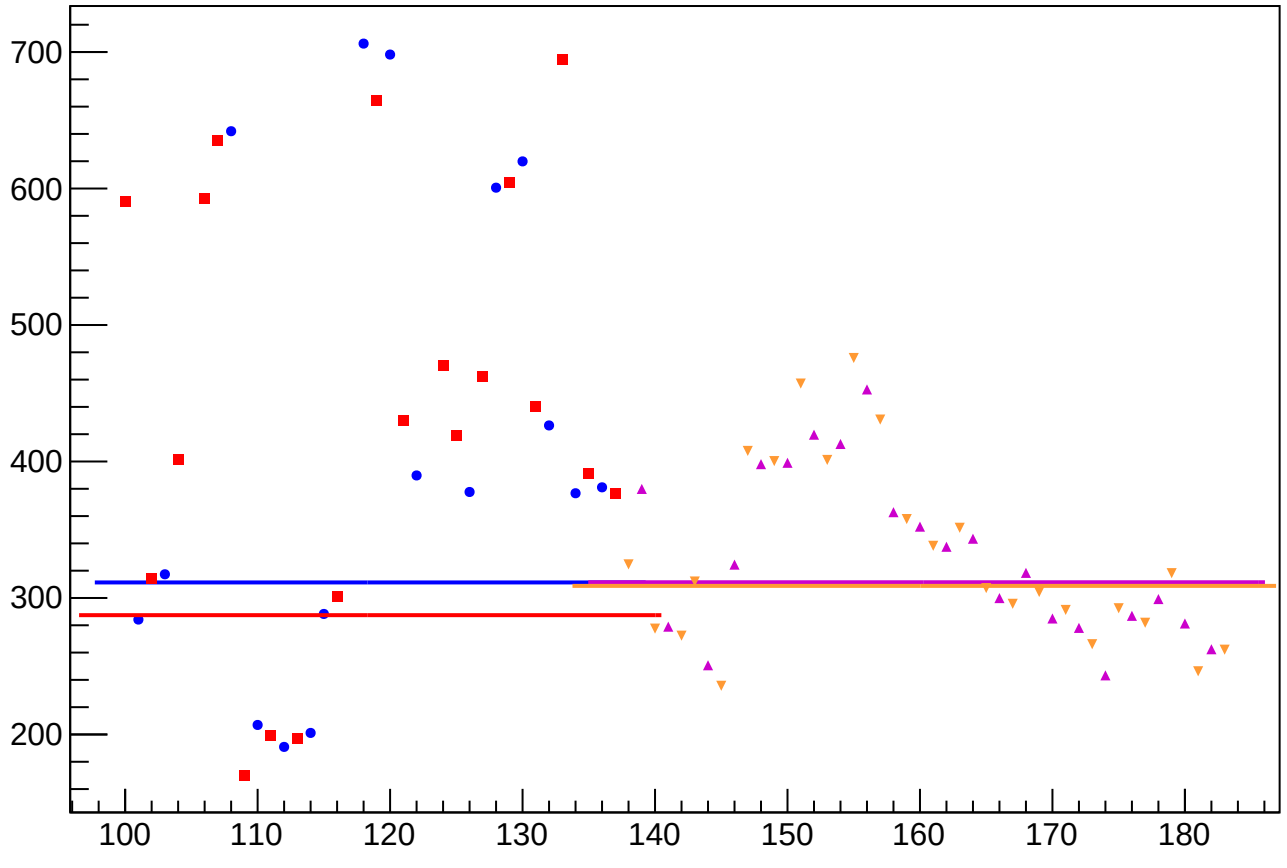
Left: -116.537+/-51.869 χ^2/NDF: 96.6/45

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: 2.354+/-64.212 χ^2/NDF:53.2/37

Out: -138.367+/-61.538 χ^2/NDF:83.0/42

All: -70.997+/-44.429 χ^2/NDF: 138.7/80



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 308.866+/-0.051 χ^2/NDF:1271772.0/23

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: 310.149+/-0.037 χ^2/NDF: 2341270.9/45

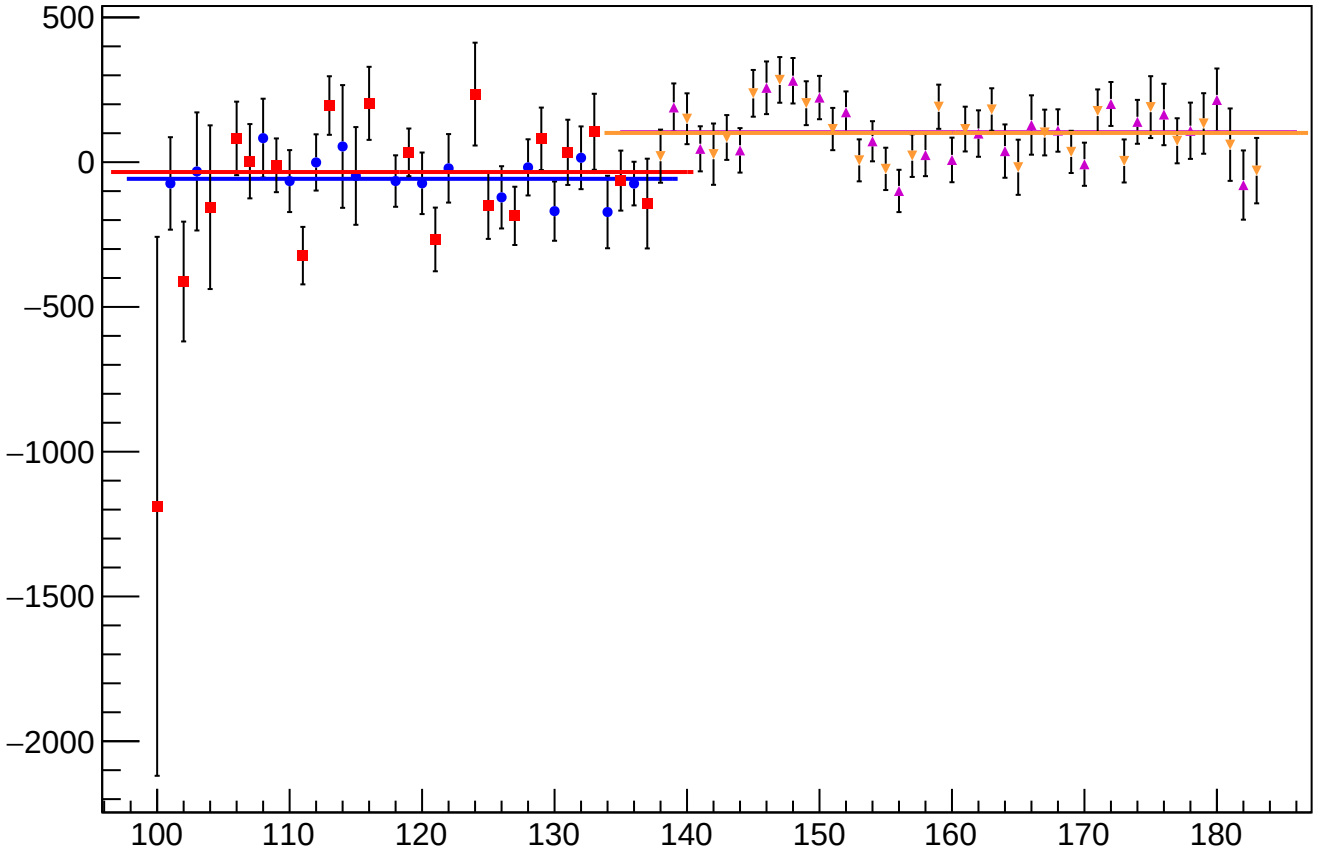
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 311.488+/-0.045 χ^2/NDF:3191989.4/37

Out: 303.031+/-0.044 χ^2/NDF:4010163.0/42

All: 307.079+/-0.031 χ^2/NDF: 7220237.5/80

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 100.996+/-16.730 χ^2/NDF:27.5/23

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: 102.201+/-12.045 χ^2/NDF: 60.3/45

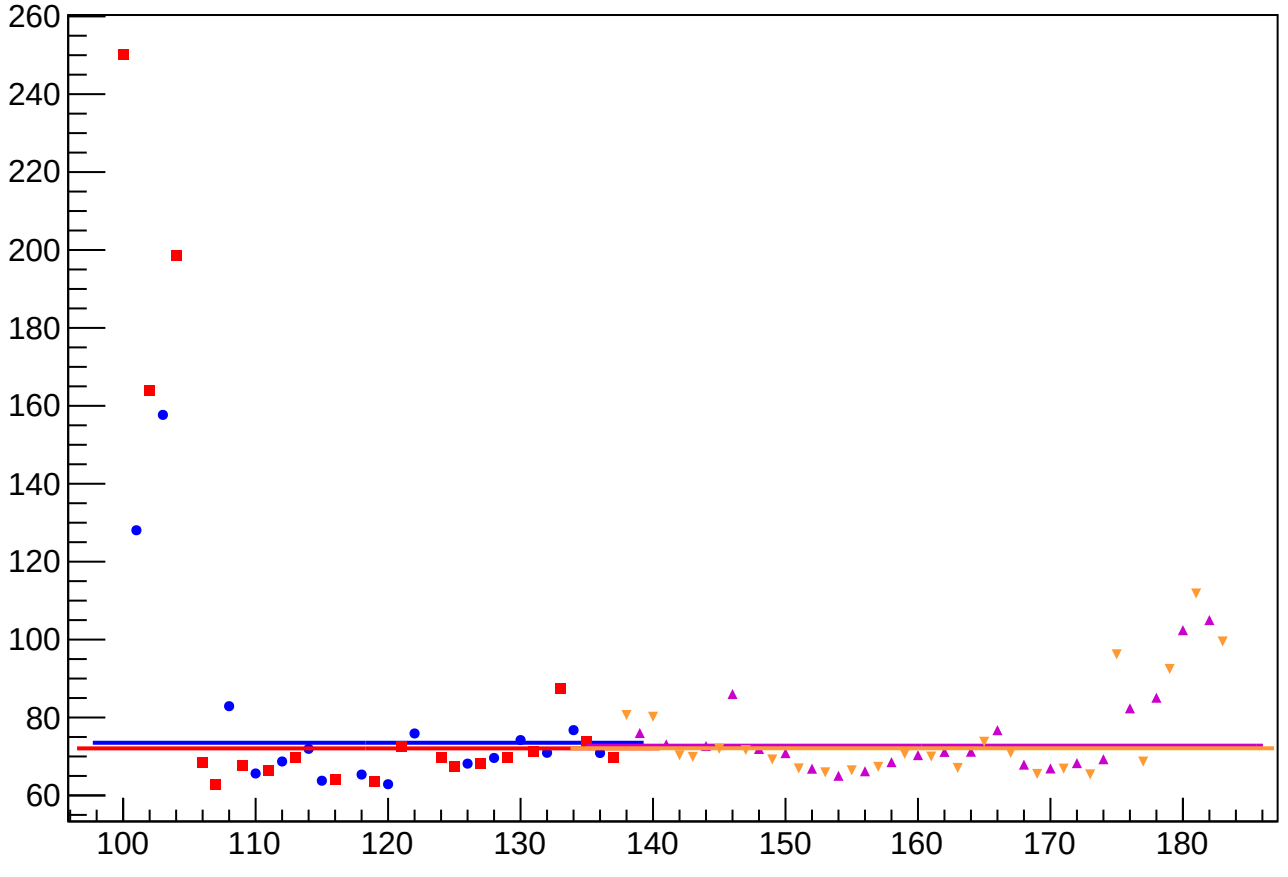
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 58.995+/-14.765 χ^2/NDF:61.4/37

Out: 64.324+/-14.278 χ^2/NDF:82.4/42

All: 61.749+/-10.264 χ^2/NDF: 143.8/80

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 72.103+/-0.012 χ^2/NDF:640742.5/23

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 72.768+/-0.012 χ^2/NDF:489759.1/21

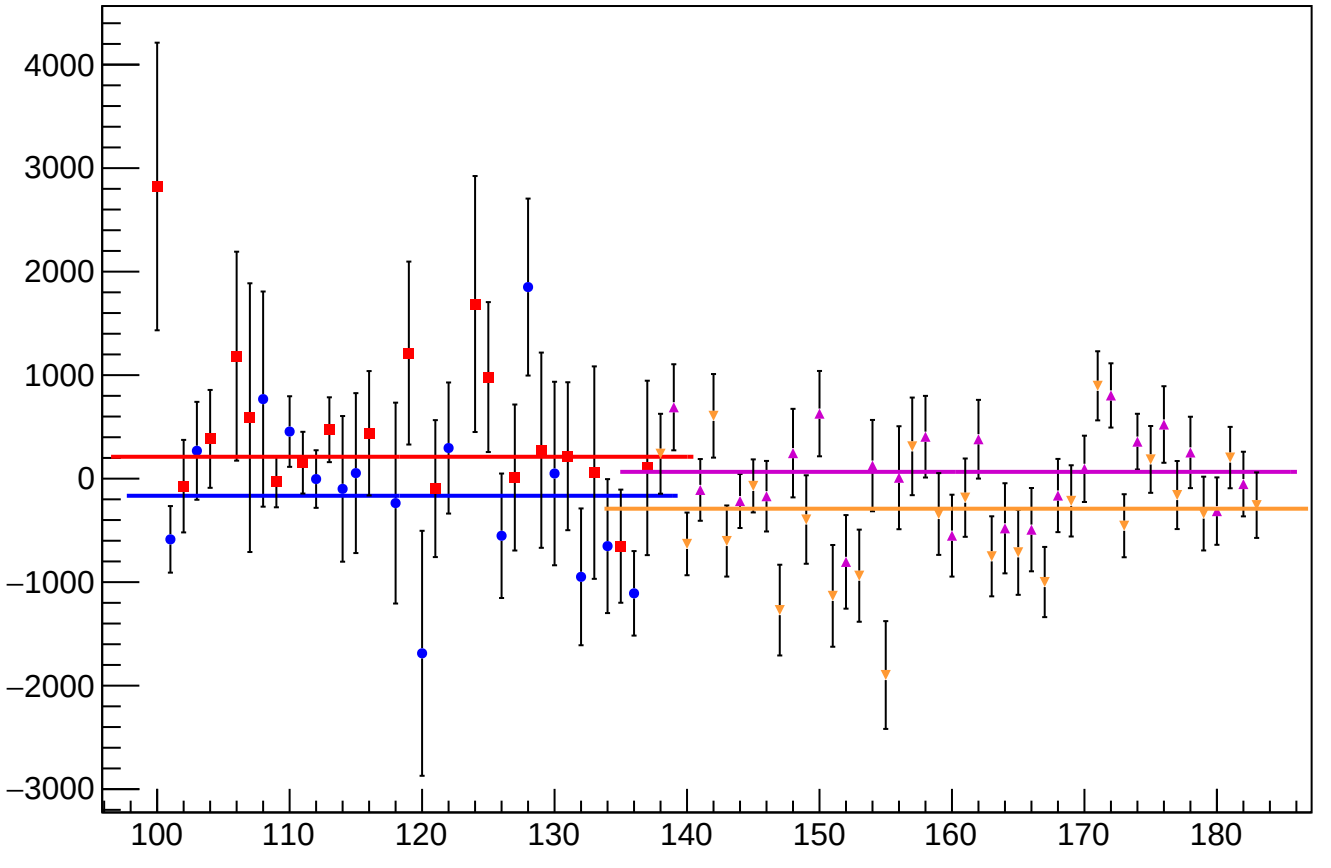
Left: 72.424+/-0.009 χ^2/NDF: 1132023.9/45

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 72.976+/-0.010 χ^2/NDF:1147640.2/37

Out: 72.095+/-0.010 χ^2/NDF:1599239.2/42

All: 72.521+/-0.007 χ^2/NDF: 2750554.8/80



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -290.497+/-73.231 χ^2/NDF:56.0/23

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 65.514+/-75.750 χ^2/NDF:27.9/21

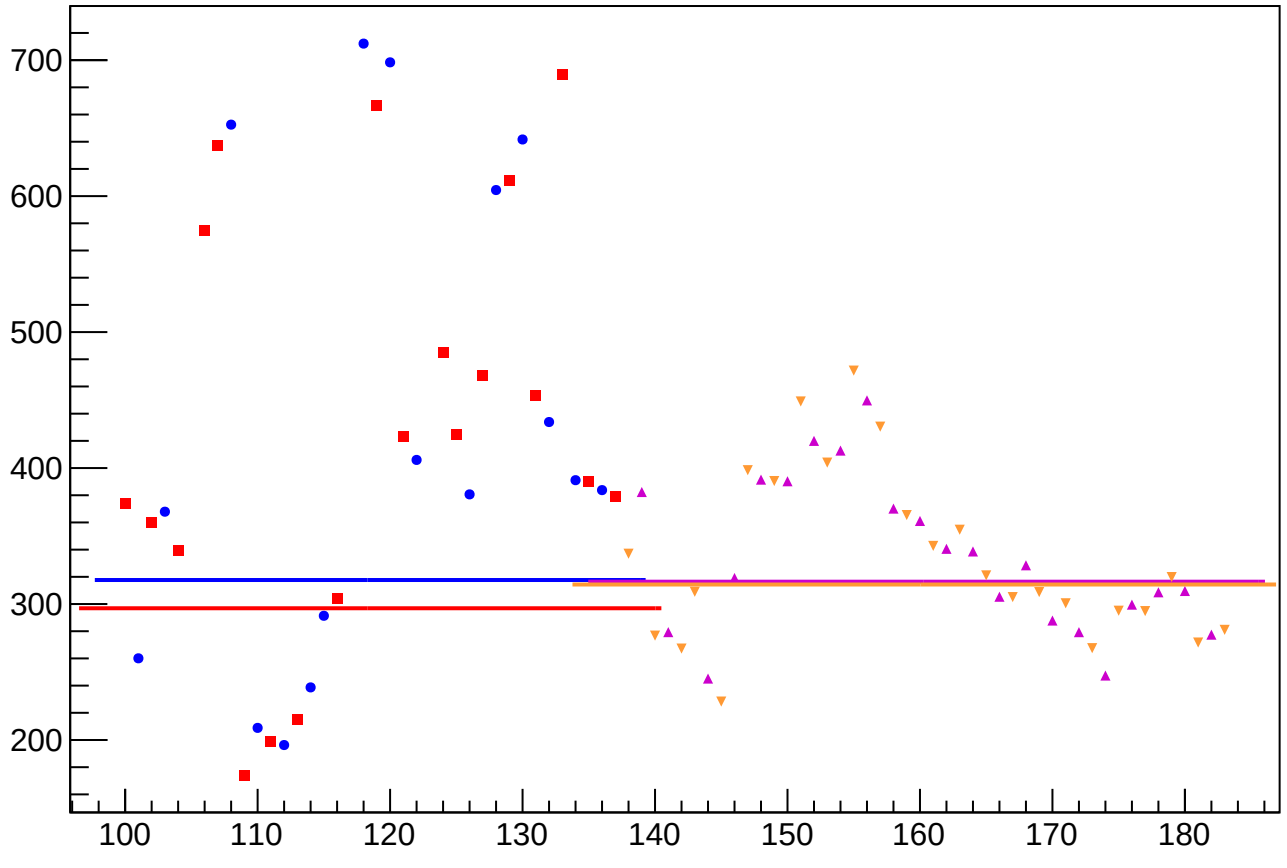
Left: -118.507+/-52.650 χ^2/NDF: 95.3/45

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: 5.896+/-65.247 χ^2/NDF:53.0/37

Out: -154.518+/-62.528 χ^2/NDF:82.3/42

All: -77.723+/-45.145 χ^2/NDF: 138.4/80



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 314.362+/-0.052 χ^2/NDF:1160846.9/23

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: 315.360+/-0.037 χ^2/NDF: 2155370.3/45

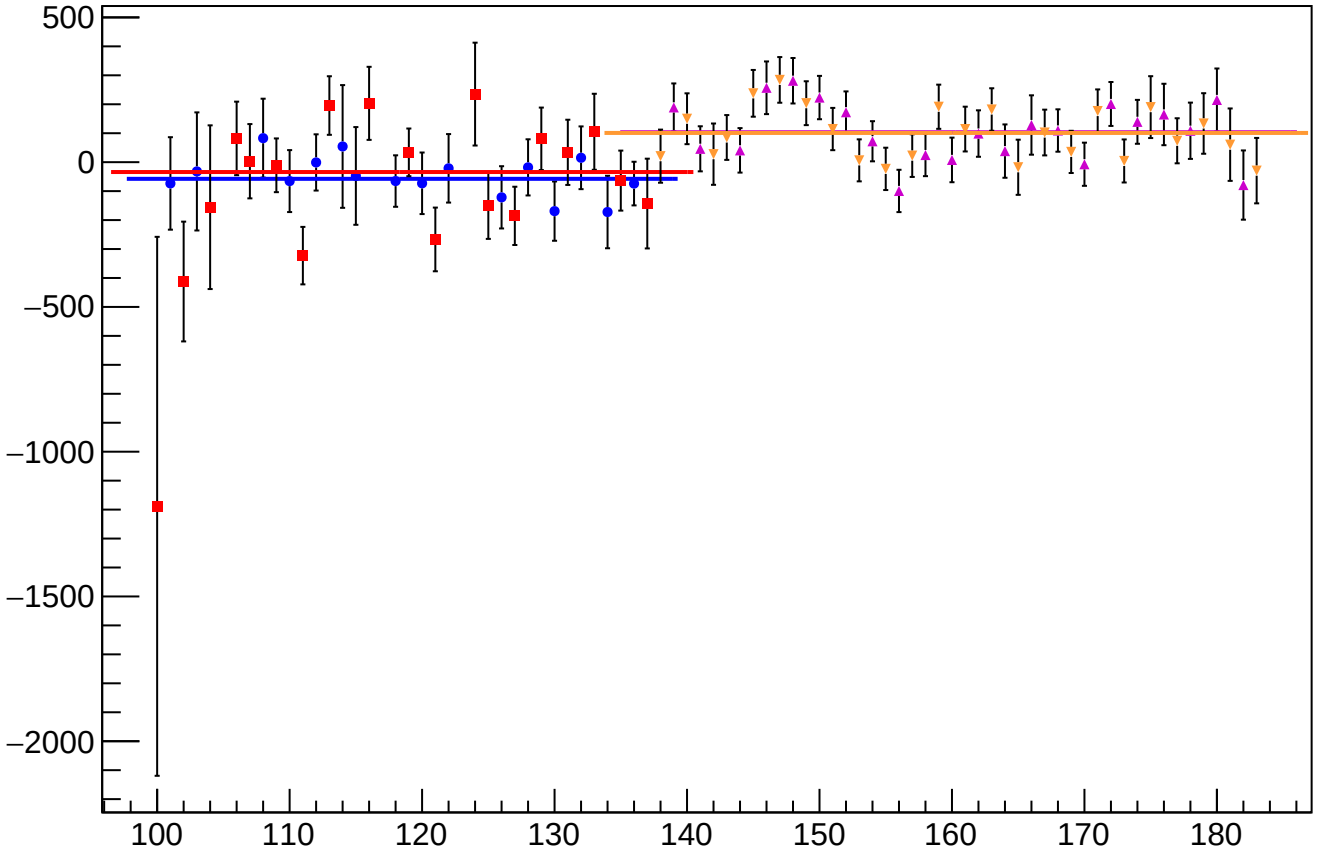
Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 316.748+/-0.046 χ^2/NDF:3130083.4/37

Out: 309.627+/-0.044 χ^2/NDF:3732740.8/42

All: 313.036+/-0.032 χ^2/NDF: 6875241.1/80

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 100.996+/-16.730 χ^2/NDF:27.5/23

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: 102.201+/-12.045 χ^2/NDF: 60.3/45

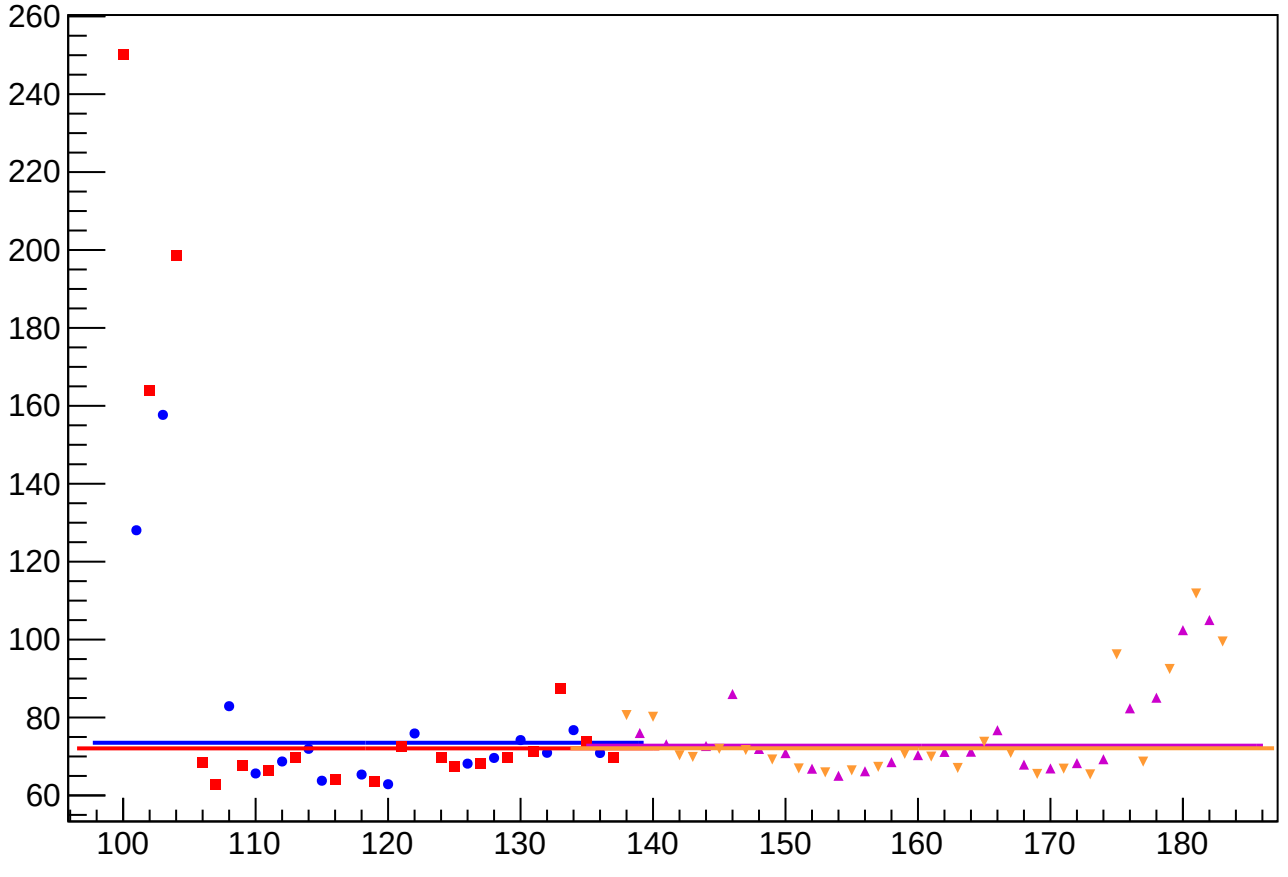
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 58.995+/-14.765 χ^2/NDF:61.4/37

Out: 64.323+/-14.278 χ^2/NDF:82.4/42

All: 61.748+/-10.264 χ^2/NDF: 143.8/80

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 72.103+/-0.012 χ^2/NDF:640739.8/23

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 72.768+/-0.012 χ^2/NDF:489759.8/21

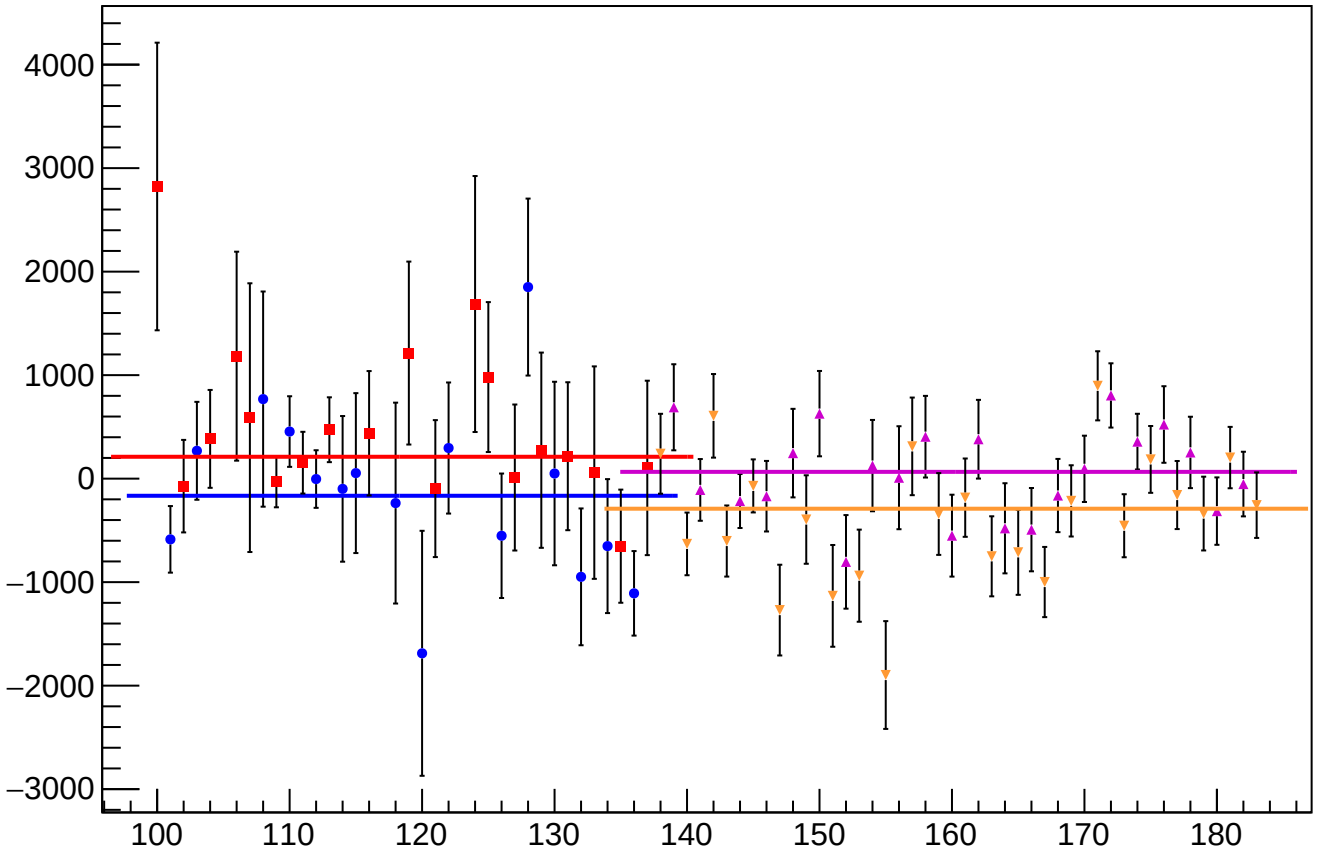
Left: 72.424+/-0.009 χ^2/NDF: 1132022.0/45

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 72.976+/-0.010 χ^2/NDF:1147642.1/37

Out: 72.095+/-0.010 χ^2/NDF:1599237.8/42

All: 72.521+/-0.007 χ^2/NDF: 2750555.4/80



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -290.497+/-73.231 χ^2/NDF:56.0/23

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 65.513+/-75.750 χ^2/NDF:27.9/21

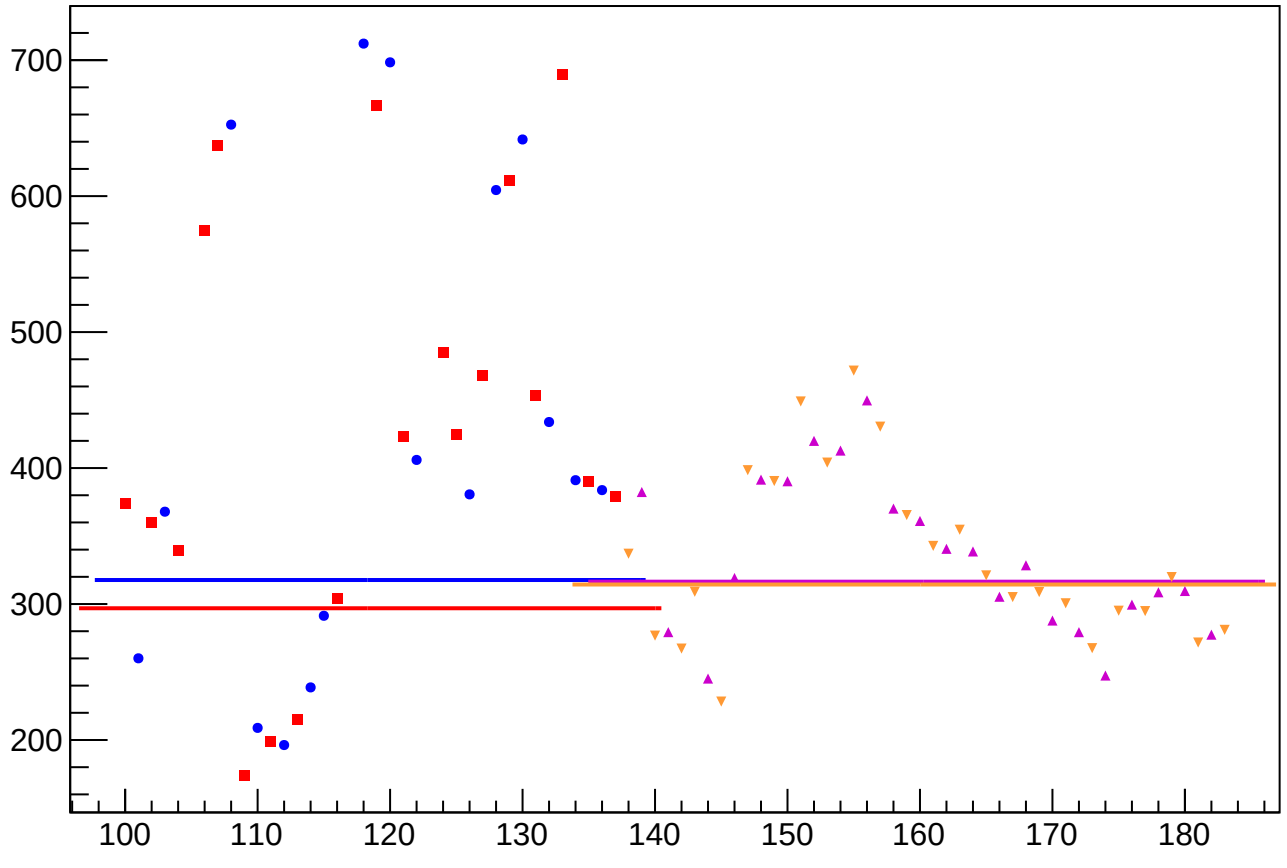
Left: -118.508+/-52.650 χ^2/NDF: 95.3/45

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: 5.895+/-65.247 χ^2/NDF:53.0/37

Out: -154.517+/-62.528 χ^2/NDF:82.3/42

All: -77.723+/-45.145 χ^2/NDF: 138.4/80



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 314.362+/-0.052 χ^2/NDF:1160852.5/23

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: 315.361+/-0.037 χ^2/NDF: 2155374.9/45

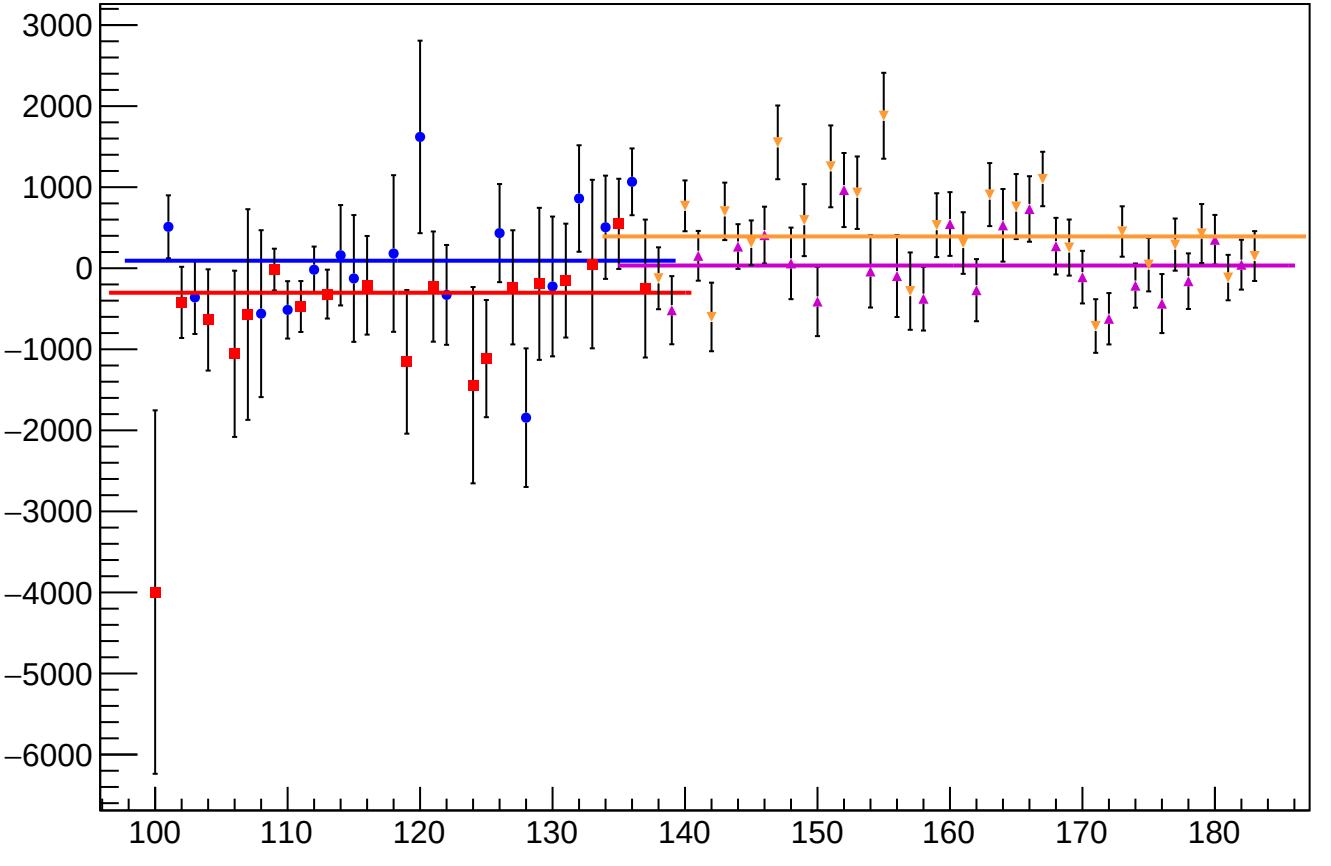
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 316.747+/-0.046 χ^2/NDF:3130113.2/37

Out: 309.627+/-0.044 χ^2/NDF:3732762.9/42

All: 313.035+/-0.032 χ^2/NDF: 6875293.0/80

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 392.331+/-73.908 χ^2/NDF:54.3/23

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: 218.892+/-53.134 χ^2/NDF: 91.3/45

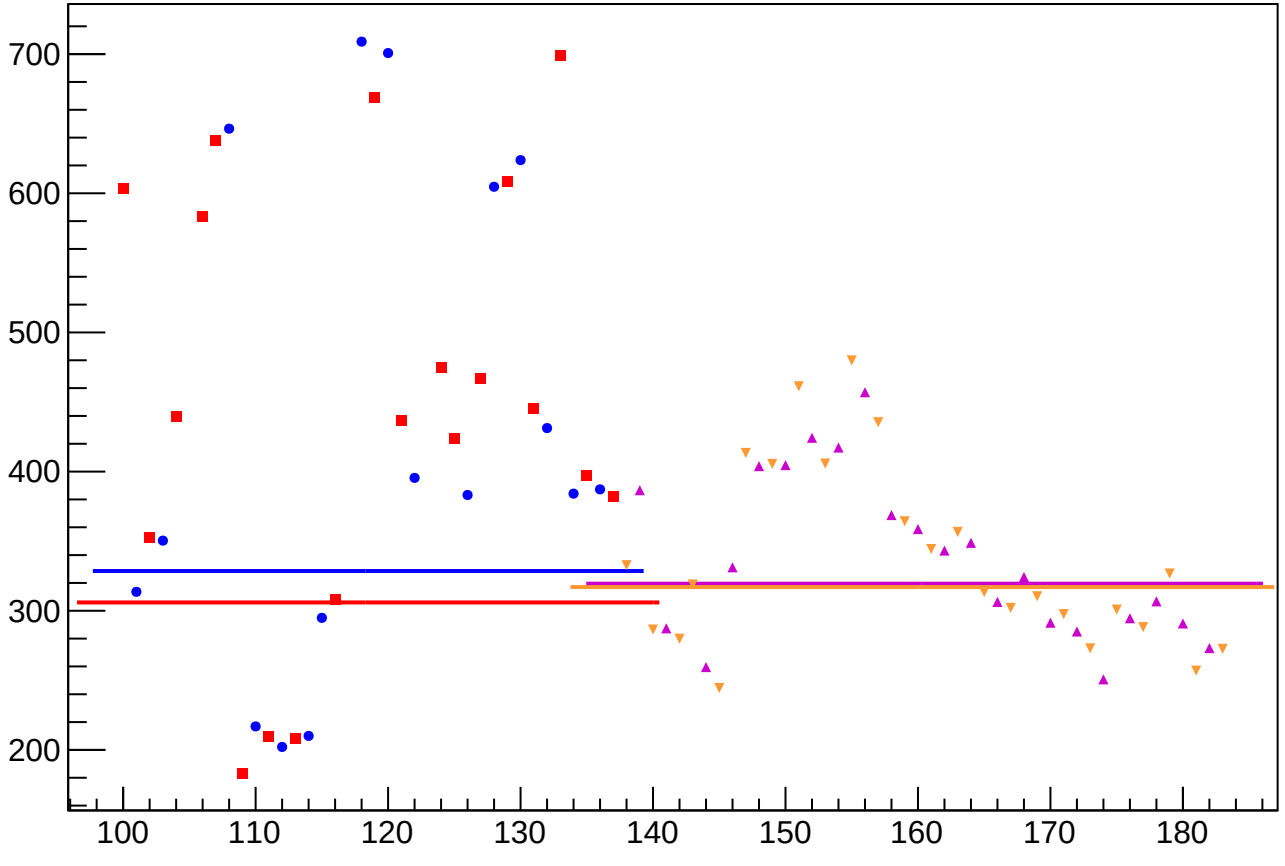
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 48.300+/-66.141 χ^2/NDF:46.5/37

Out: 210.072+/-63.475 χ^2/NDF:88.3/42

All: 132.512+/-45.797 χ^2/NDF: 137.9/80

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 317.037+/-0.052 χ^2/NDF:1167064.2/23

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 319.450+/-0.054 χ^2/NDF:982206.2/21

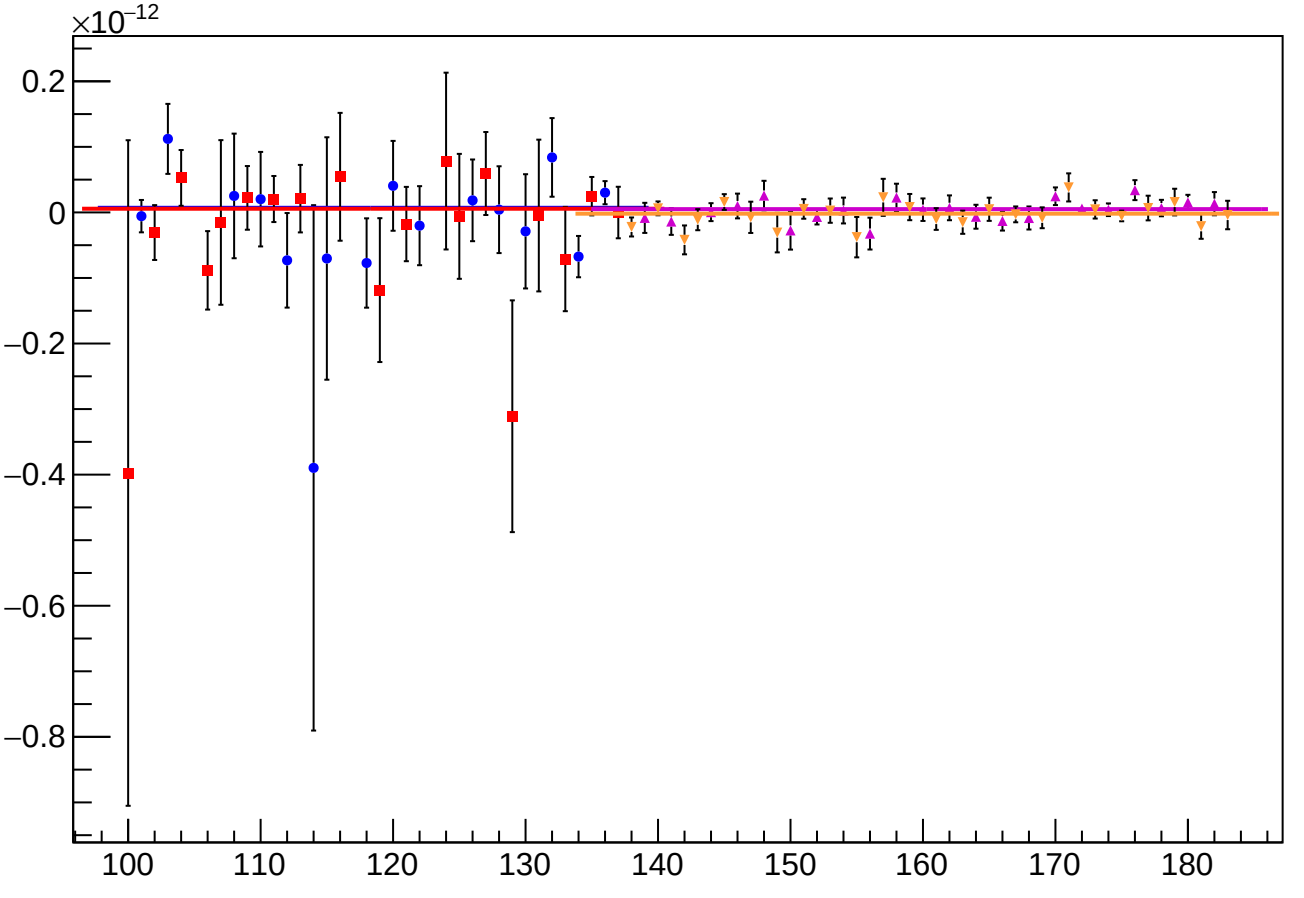
Left: 318.203+/-0.038 χ^2/NDF: 2150300.9/45

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 321.742+/-0.047 χ^2/NDF:2948229.0/37

Out: 314.138+/-0.045 χ^2/NDF:3706255.4/42

All: 317.783+/-0.032 χ^2/NDF: 6668244.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/21

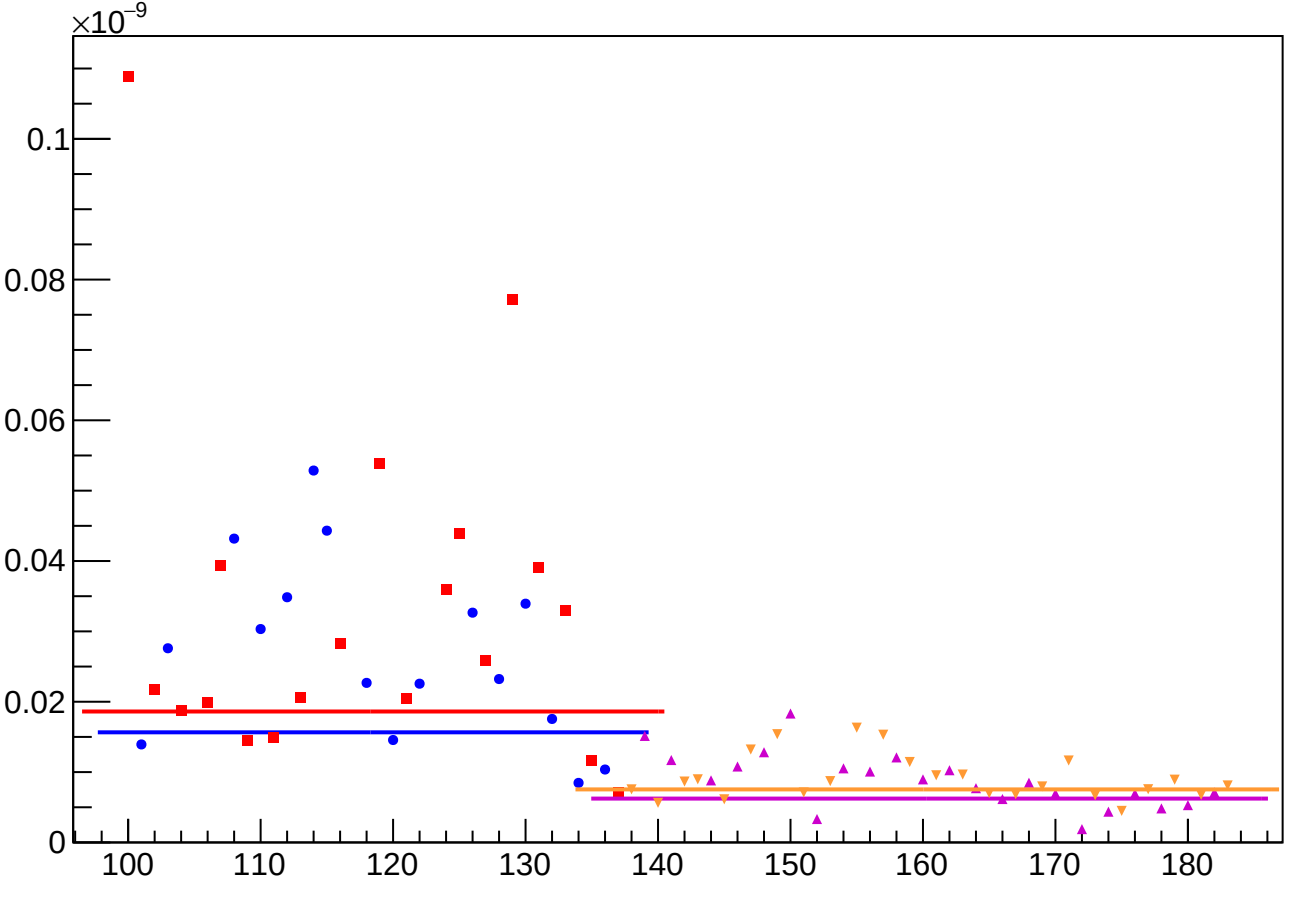
Left: 0.000+/-0.000 χ^2/NDF: 38.3/45

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:32.1/42

All: 0.000+/-0.000 χ^2/NDF: 69.1/80



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1207102.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2744321.7/21

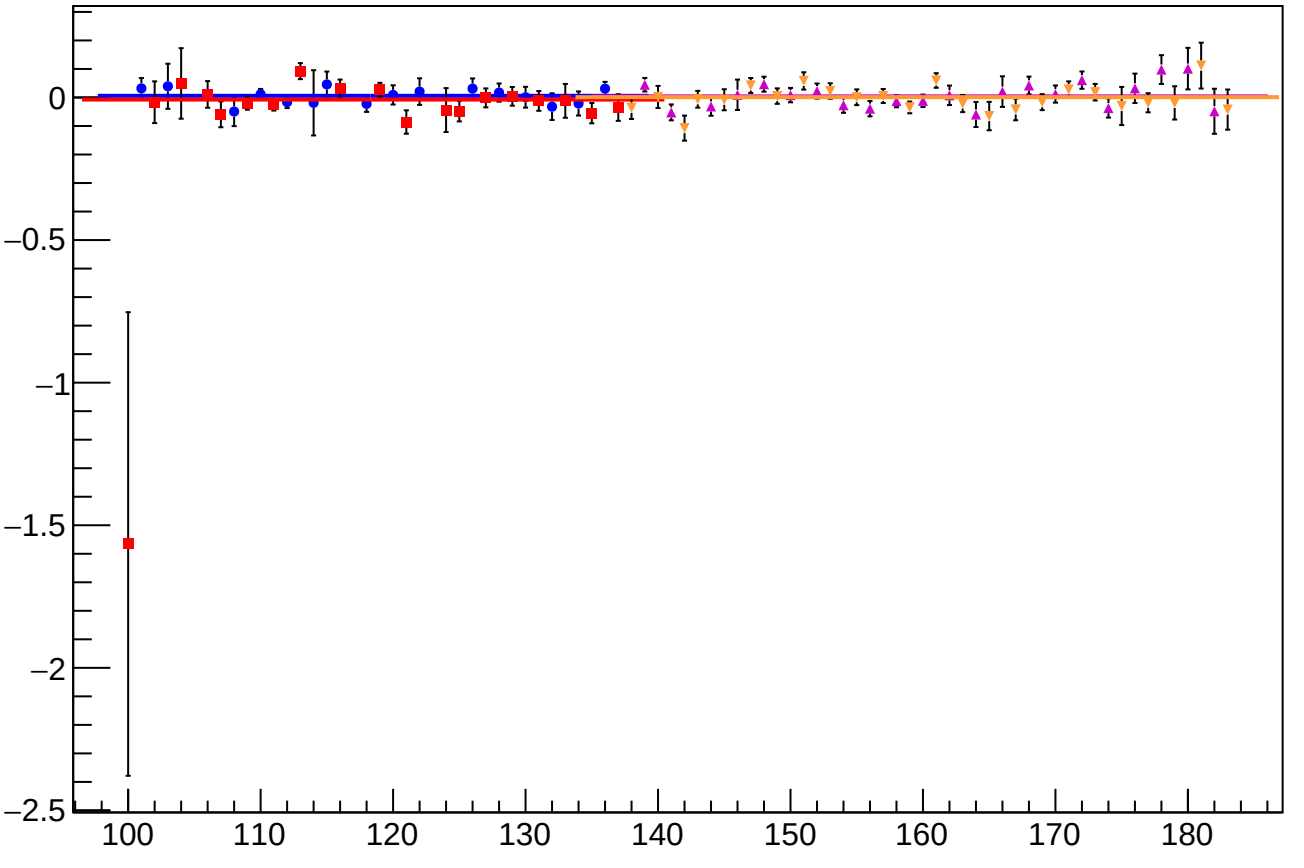
Left: 0.000+/-0.000 χ^2/NDF: 4123058.5/45

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:3835048.4/42

All: 0.000+/-0.000 χ^2/NDF: 9295667.4/80



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:30.3/23

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.007 χ^2/NDF:31.1/21

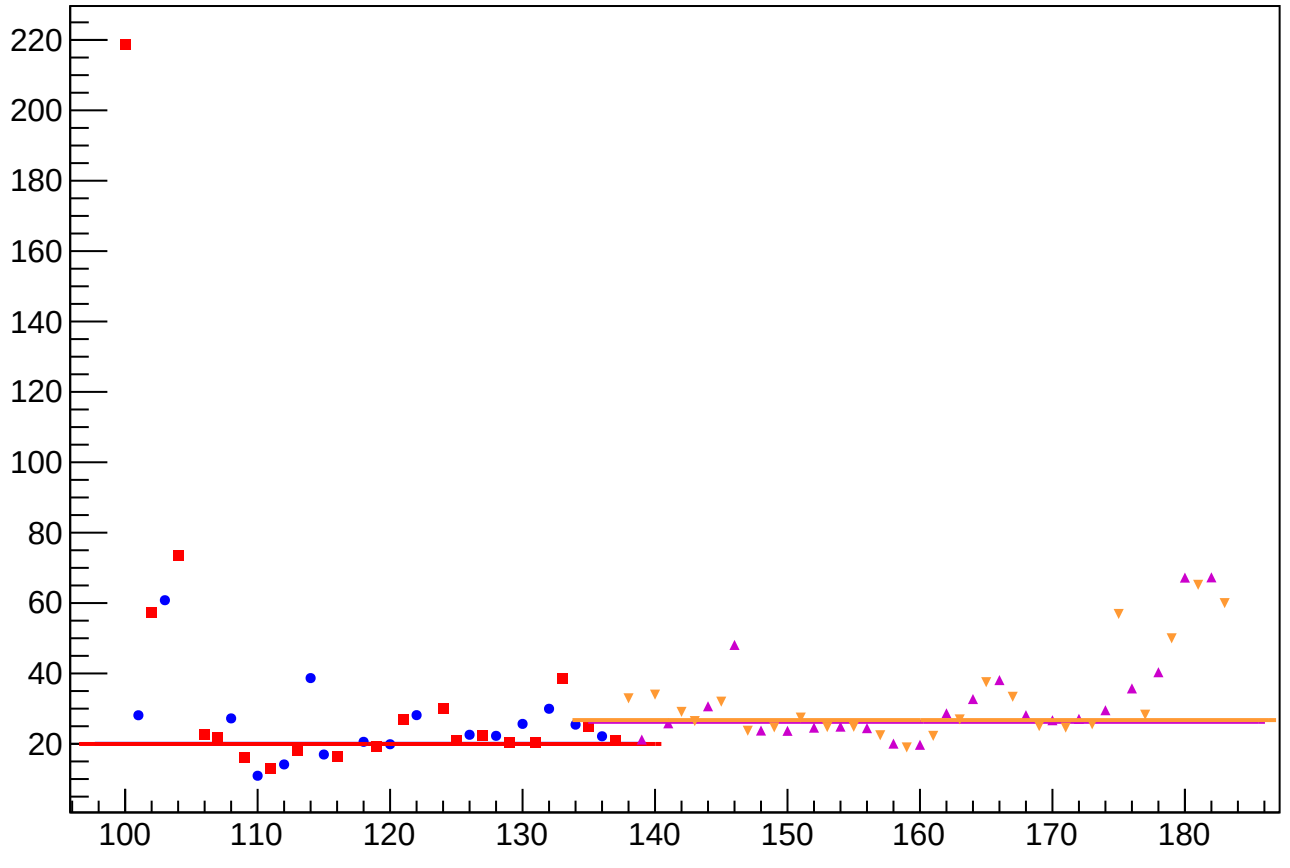
Left: 0.002+/-0.005 χ^2/NDF: 61.5/45

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:60.7/42

All: 0.001+/-0.004 χ^2/NDF: 100.7/80



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.745+/-0.005 χ^2/NDF:2439108.0/23

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.257+/-0.005 χ^2/NDF:2447130.0/21

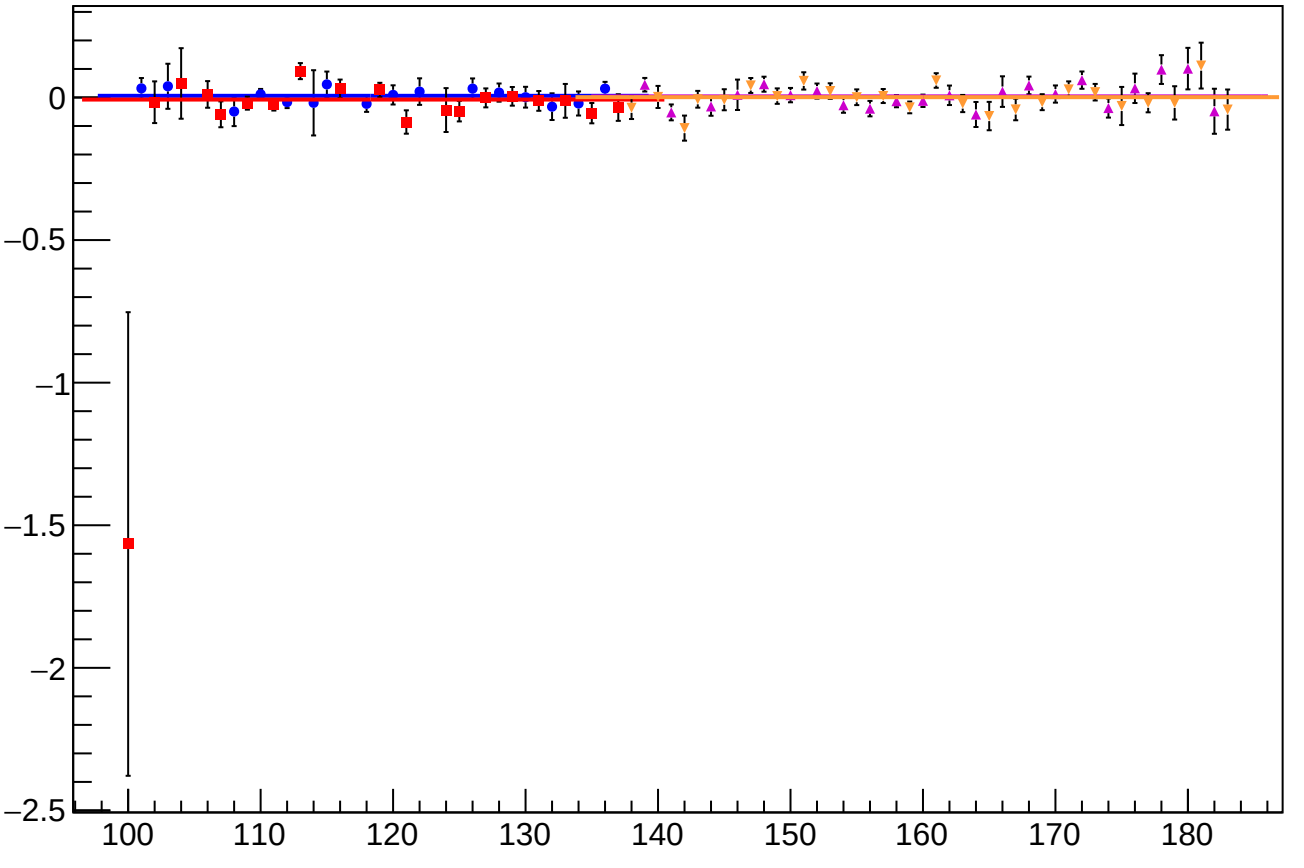
Left: 26.505+/-0.003 χ^2/NDF: 4891751.8/45

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.776+/-0.004 χ^2/NDF:4796769.2/37

Out: 24.075+/-0.004 χ^2/NDF:5007259.4/42

All: 23.928+/-0.003 χ^2/NDF: 9807445.8/80



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:30.3/23

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.007 χ^2/NDF:31.1/21

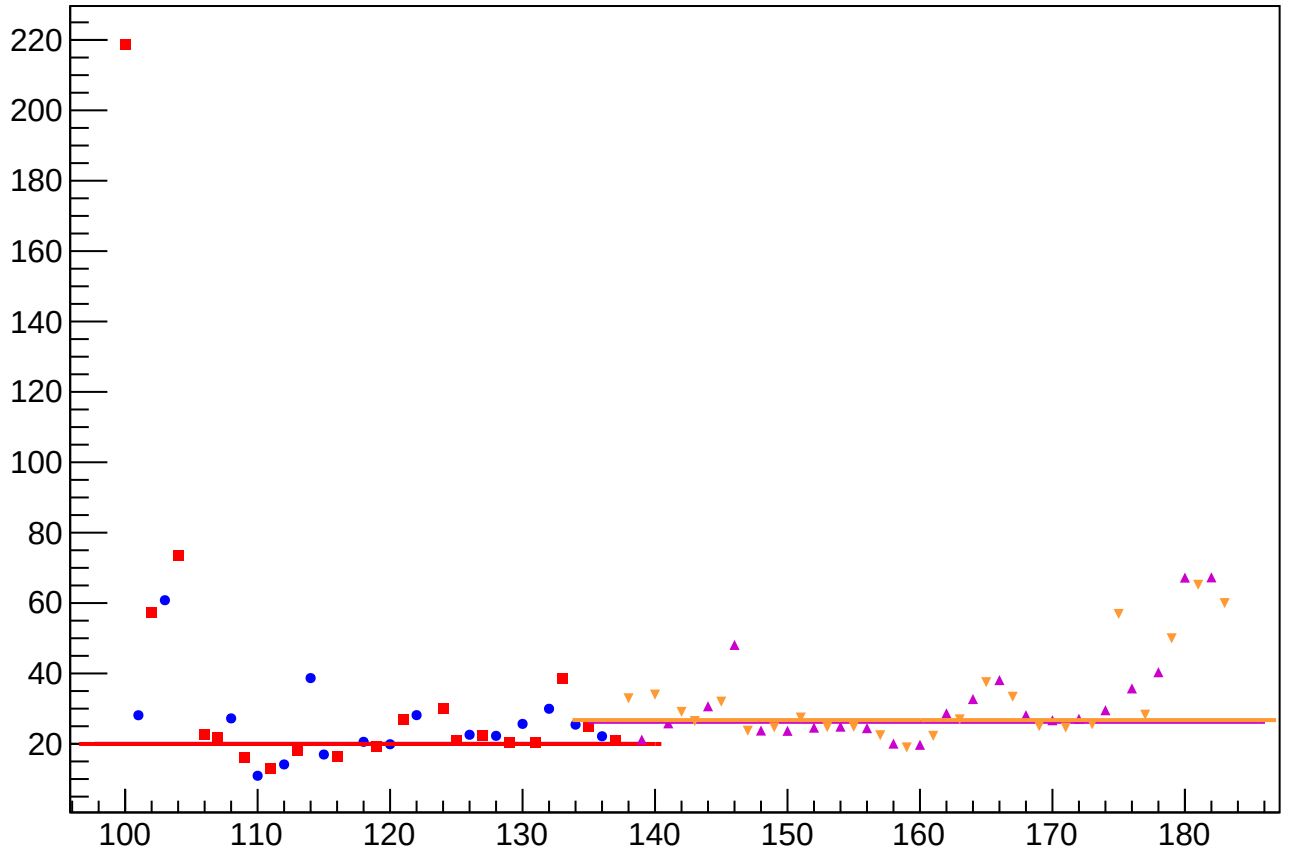
Left: 0.002+/-0.005 χ^2/NDF: 61.5/45

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:60.7/42

All: 0.001+/-0.004 χ^2/NDF: 100.7/80



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.745+/-0.005 χ^2/NDF:2439108.0/23

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.257+/-0.005 χ^2/NDF:2447130.0/21

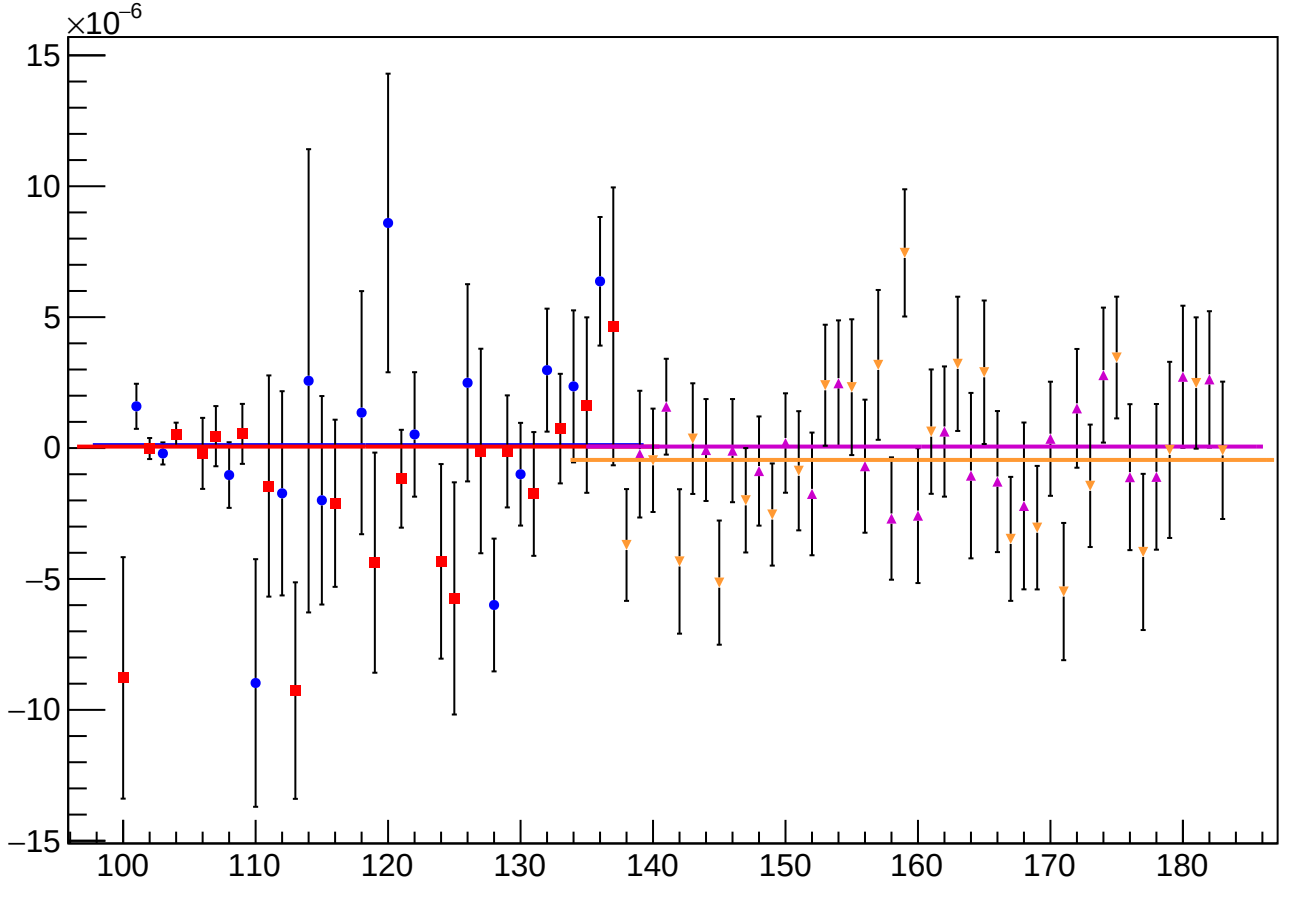
Left: 26.505+/-0.003 χ^2/NDF: 4891751.8/45

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.776+/-0.004 χ^2/NDF:4796769.2/37

Out: 24.075+/-0.004 χ^2/NDF:5007259.4/42

All: 23.928+/-0.003 χ^2/NDF: 9807445.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.8/21

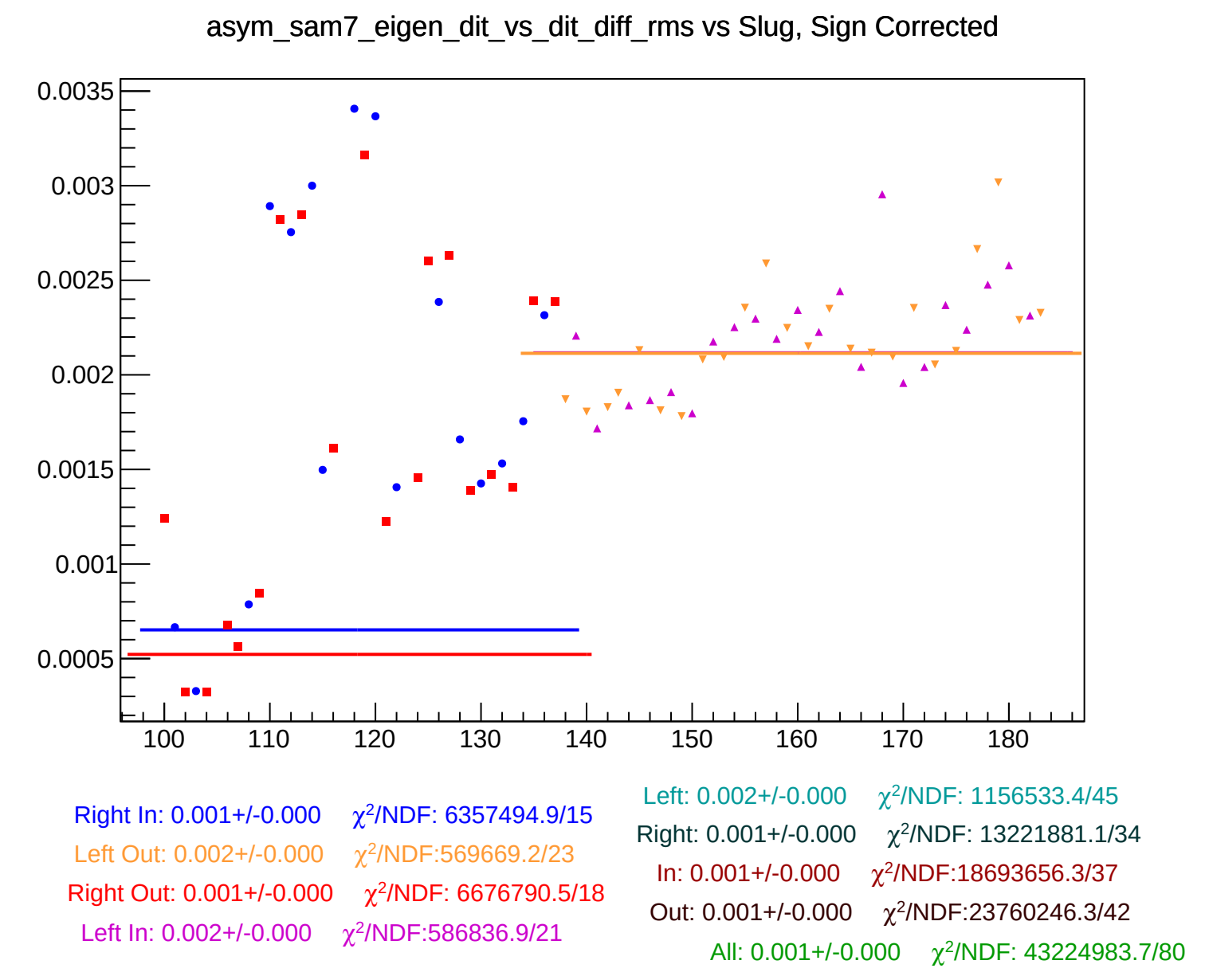
Left: -0.000+/-0.000 χ^2/NDF: 51.4/45

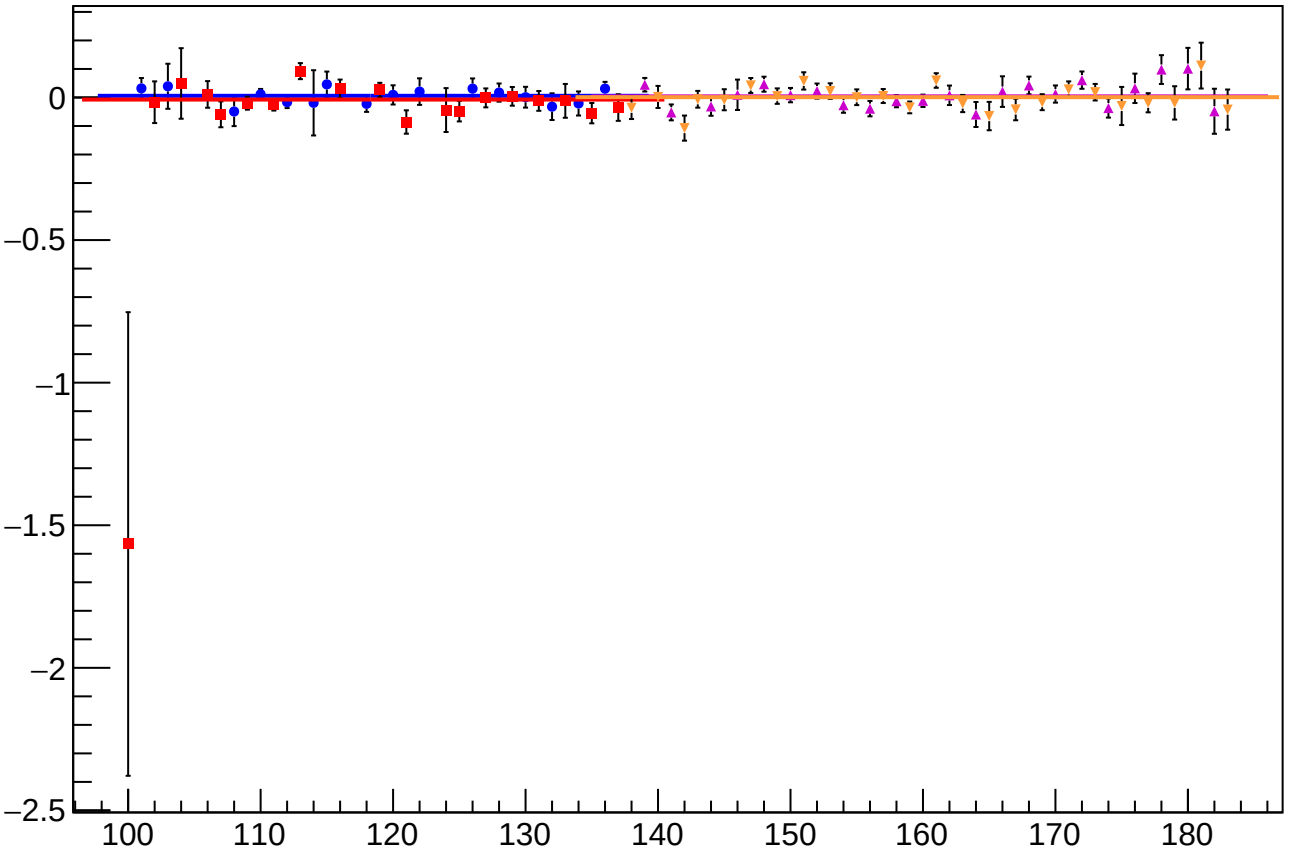
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:35.9/37

Out: -0.000+/-0.000 χ^2/NDF:59.0/42

All: 0.000+/-0.000 χ^2/NDF: 95.1/80


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:569669.2/23
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: 1156533.4/45
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:23760246.3/42
All: 0.001+/-0.000 χ²/NDF: 43224983.7/80



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:30.3/23

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.007 χ^2/NDF:31.1/21

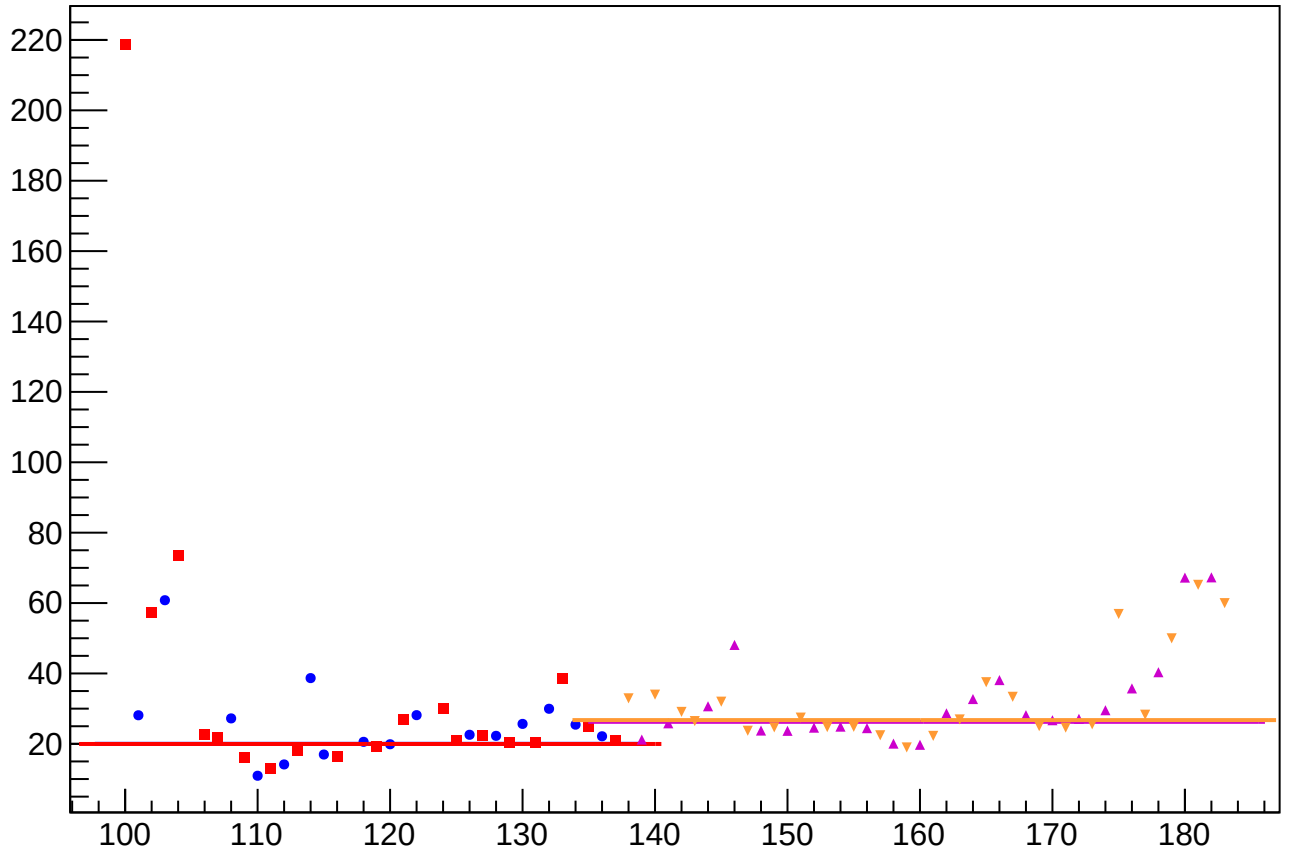
Left: 0.002+/-0.005 χ^2/NDF: 61.5/45

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:60.7/42

All: 0.001+/-0.004 χ^2/NDF: 100.7/80



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.745+/-0.005 χ^2/NDF:2439153.6/23

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 26.257+/-0.005 χ^2/NDF:2447206.3/21

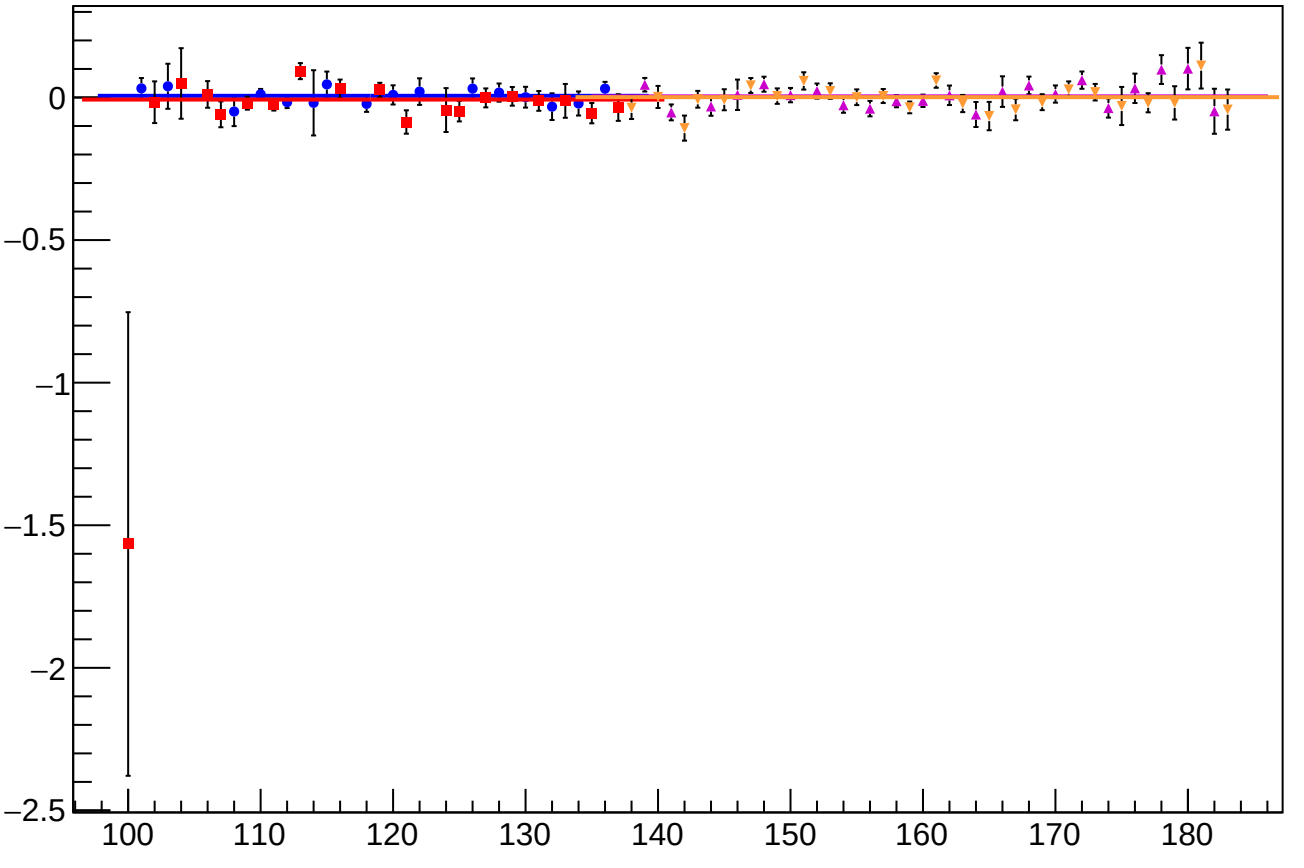
Left: 26.505+/-0.003 χ^2/NDF: 4891874.3/45

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.776+/-0.004 χ^2/NDF:4796546.8/37

Out: 24.075+/-0.004 χ^2/NDF:5007207.0/42

All: 23.928+/-0.003 χ^2/NDF: 9807167.6/80



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:30.3/23

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: 0.002+/-0.005 χ^2/NDF: 61.5/45

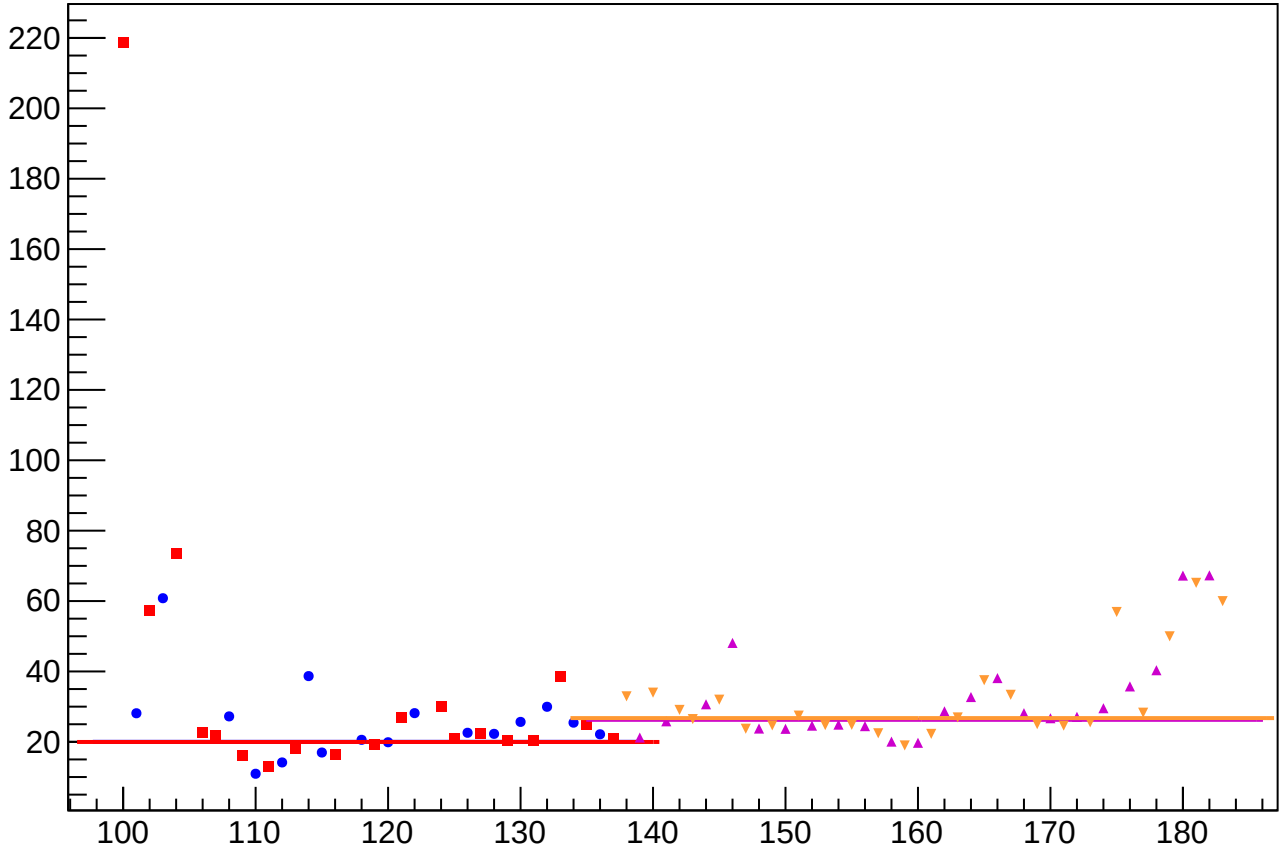
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.005+/-0.005 χ^2/NDF:39.0/37

Out: -0.002+/-0.005 χ^2/NDF:60.7/42

All: 0.001+/-0.004 χ^2/NDF: 100.7/80

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.745+/-0.005 χ^2/NDF:2439153.6/23

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: 26.505+/-0.003 χ^2/NDF: 4891874.3/45

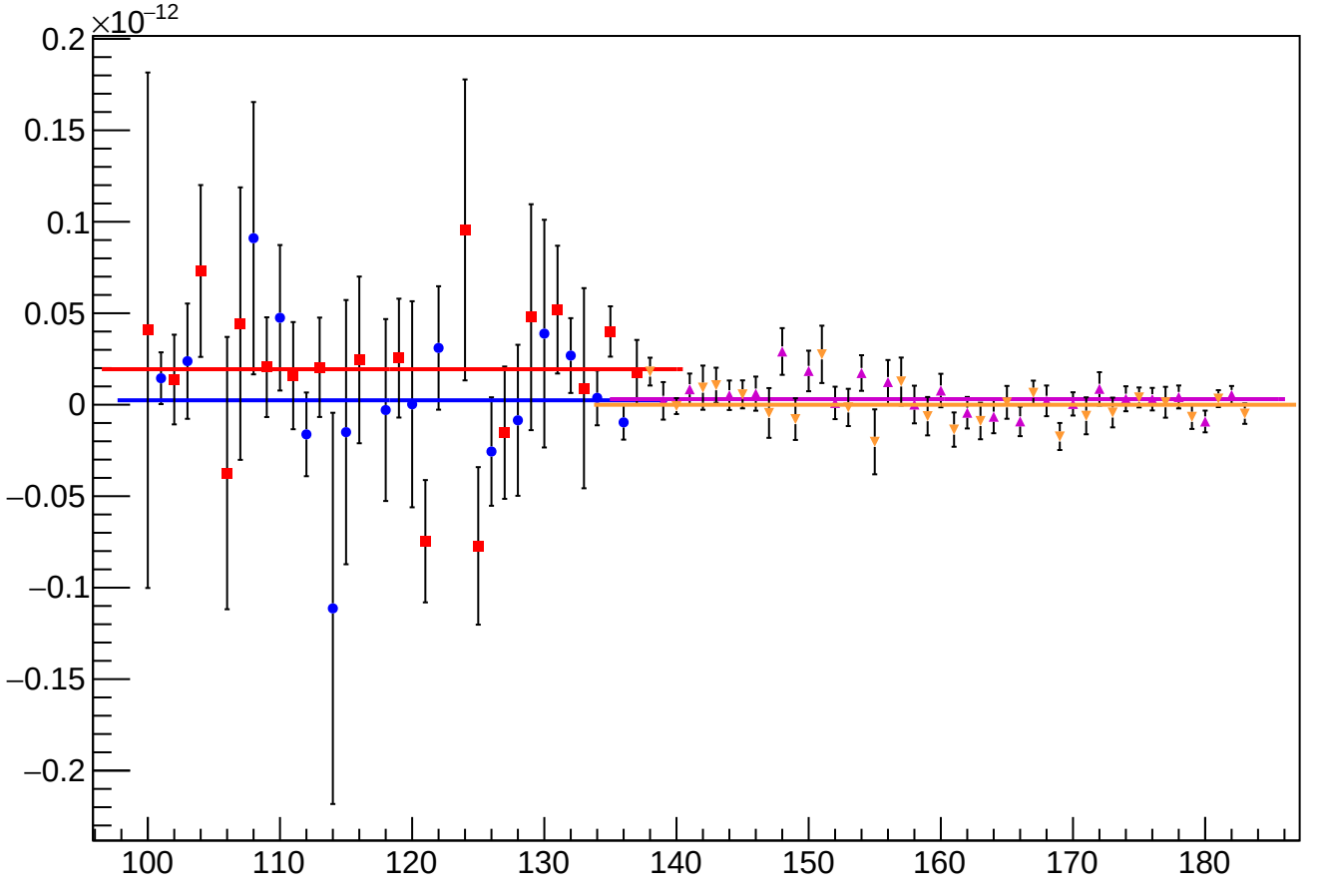
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.776+/-0.004 χ^2/NDF:4796546.8/37

Out: 24.075+/-0.004 χ^2/NDF:5007207.0/42

All: 23.928+/-0.003 χ^2/NDF: 9807167.6/80

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:27.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:19.0/21

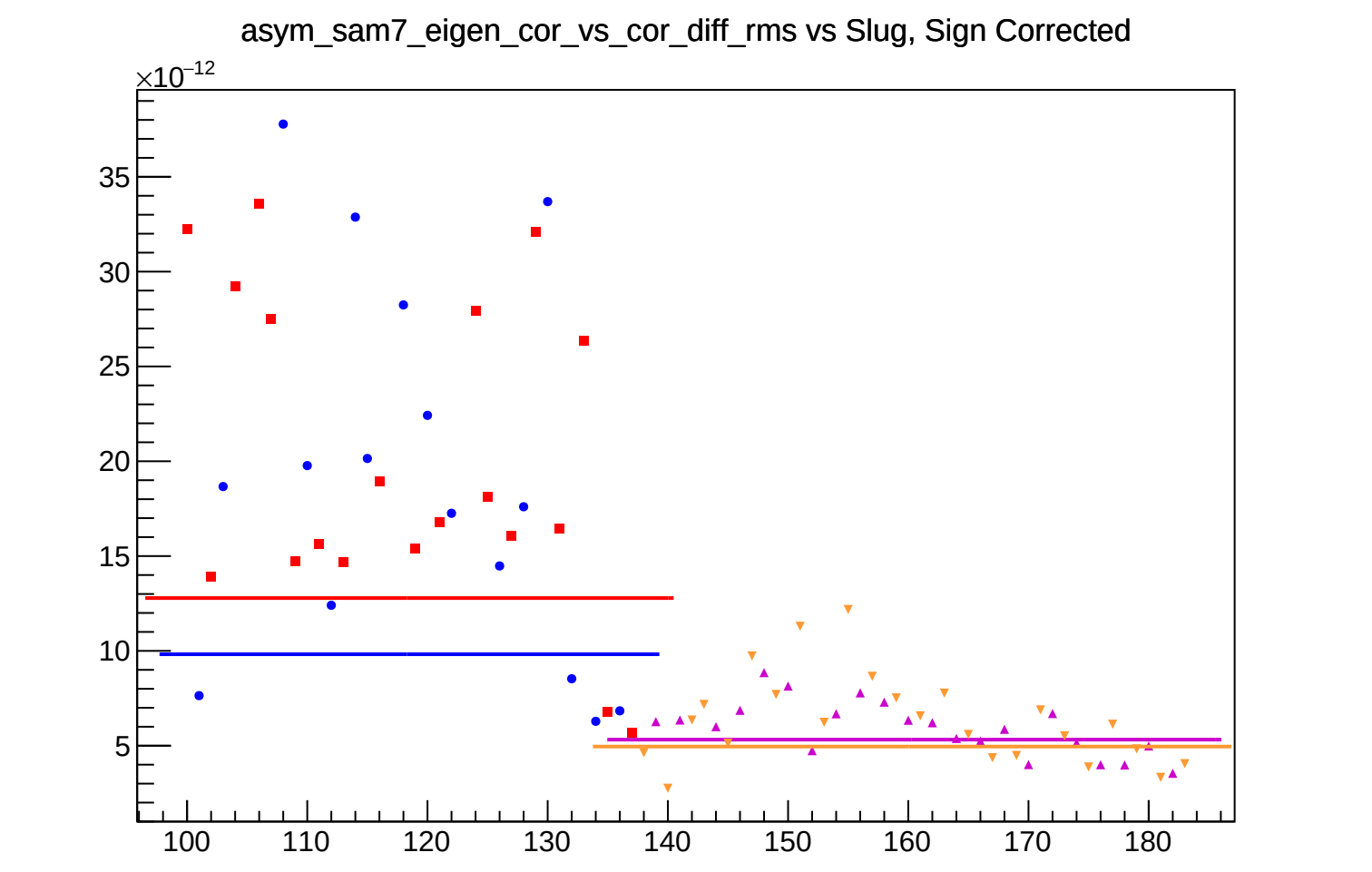
Left: 0.000+/-0.000 χ^2/NDF: 48.0/45

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:54.7/42

All: 0.000+/-0.000 χ^2/NDF: 85.4/80



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2739699.5/23

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: 4028946.0/45

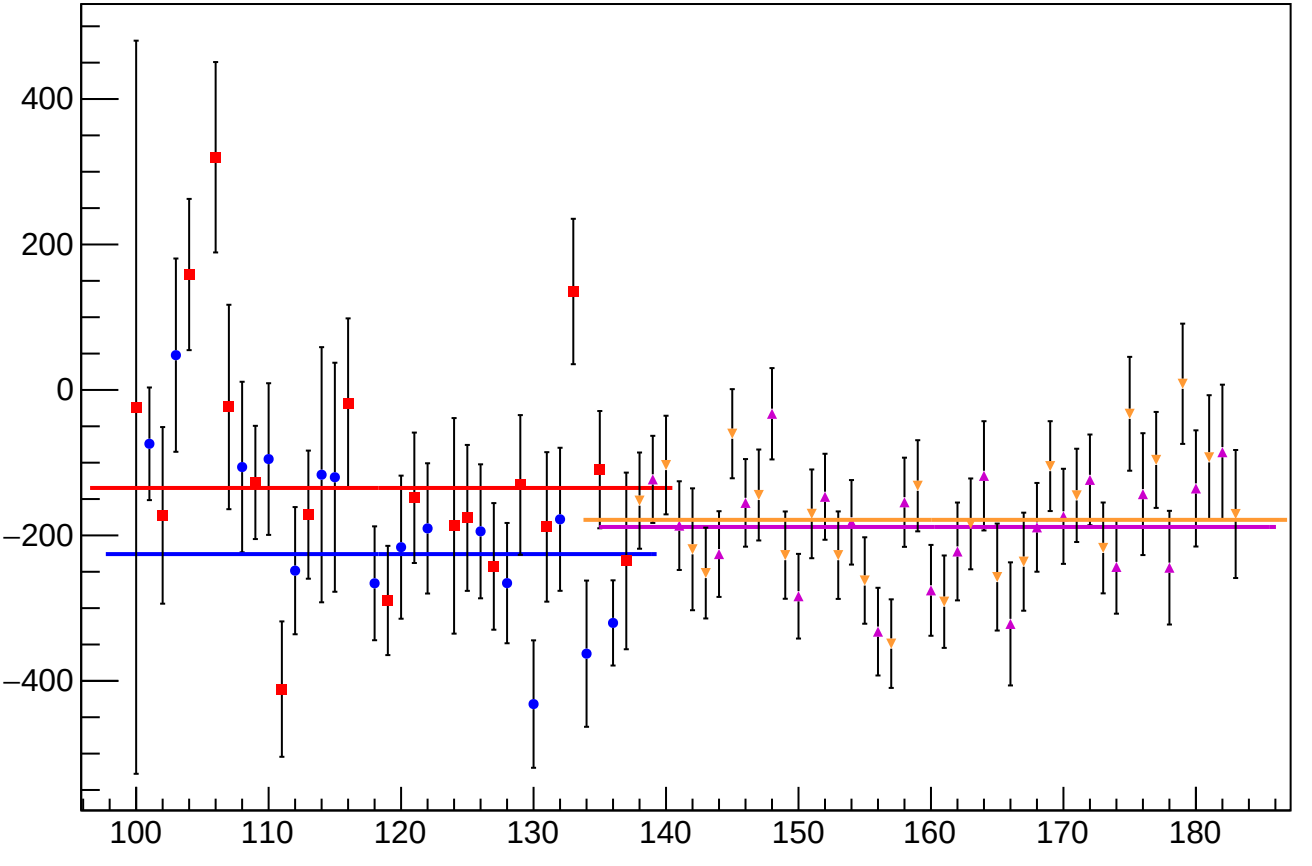
Right: 0.000+/-0.000 χ^2/NDF: 3988919.3/34

In: 0.000+/-0.000 χ^2/NDF:4359531.4/37

Out: 0.000+/-0.000 χ^2/NDF:6882515.8/42

All: 0.000+/-0.000 χ^2/NDF: 11291273.7/80

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -178.611+/-13.517 χ^2/NDF:37.0/23

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: -183.360+/-9.698 χ^2/NDF: 64.3/45

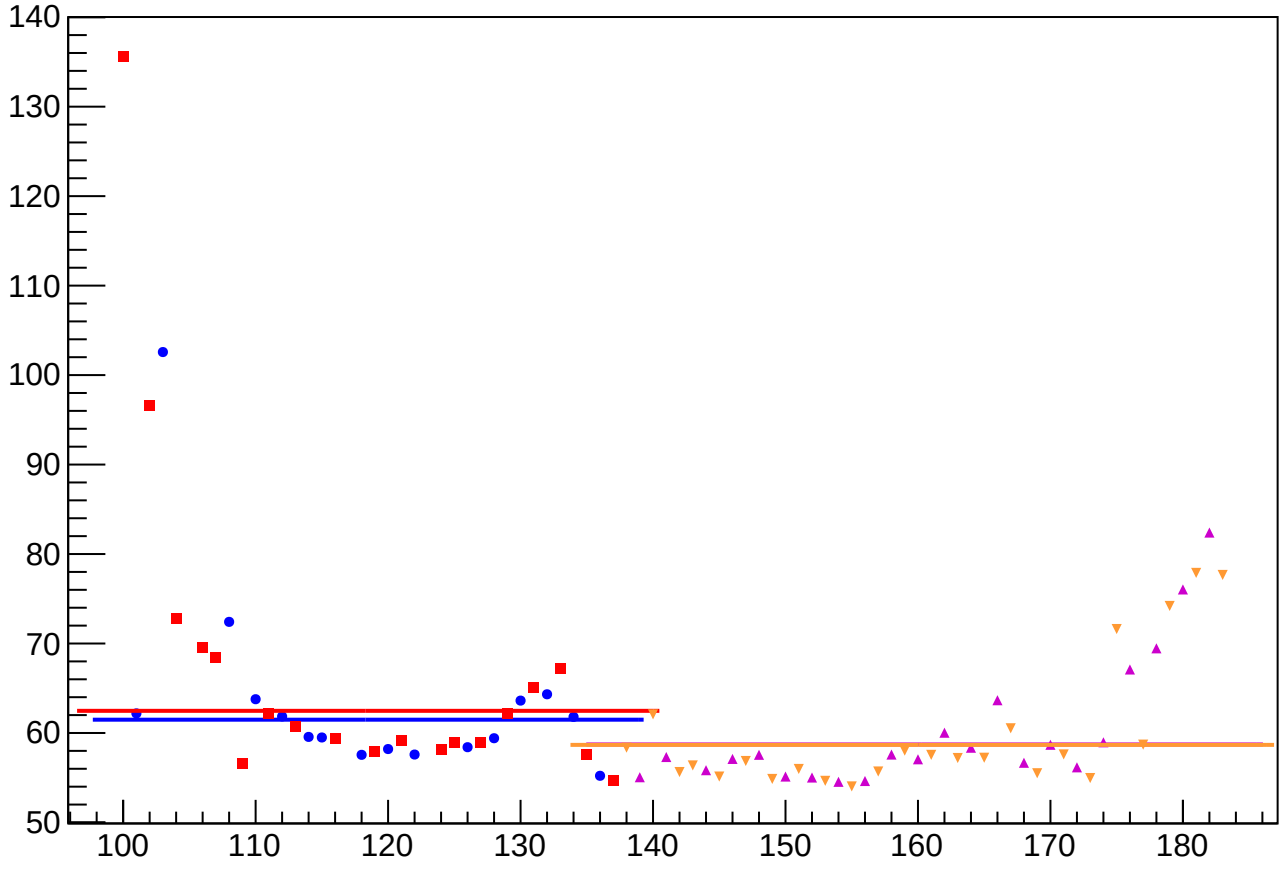
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -198.325+/-11.927 χ^2/NDF:51.6/37

Out: -167.493+/-11.678 χ^2/NDF:84.9/42

All: -182.583+/-8.344 χ^2/NDF: 139.9/80

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 58.671+/-0.010 χ^2/NDF:393330.0/23

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 58.720+/-0.010 χ^2/NDF:347747.1/21

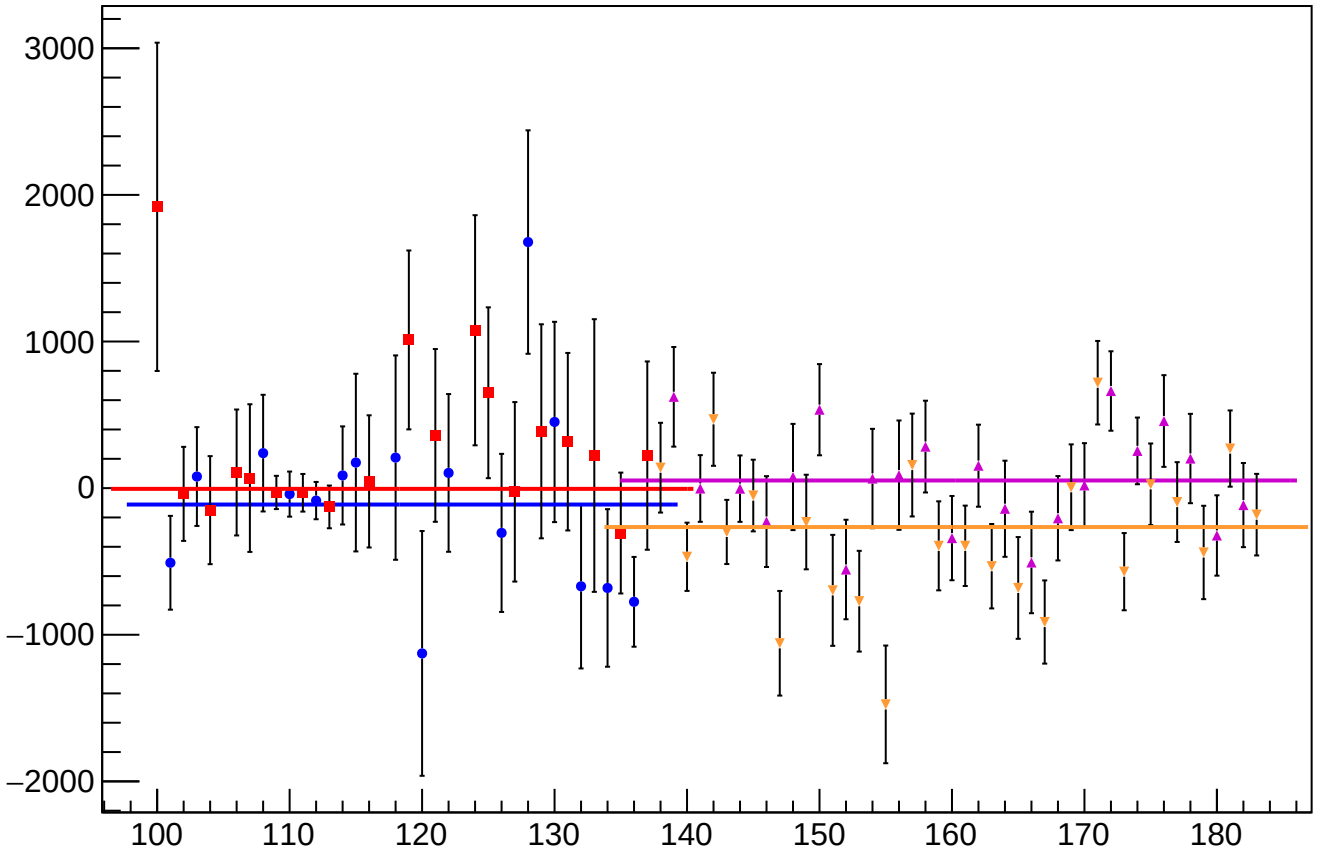
Left: 58.695+/-0.007 χ^2/NDF: 741090.1/45

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 59.456+/-0.008 χ^2/NDF:619419.6/37

Out: 59.636+/-0.008 χ^2/NDF:714661.2/42

All: 59.548+/-0.006 χ^2/NDF: 1334311.4/80



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -265.424+/-59.407 χ^2/NDF:55.8/23

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 52.263+/-62.406 χ^2/NDF:25.7/21

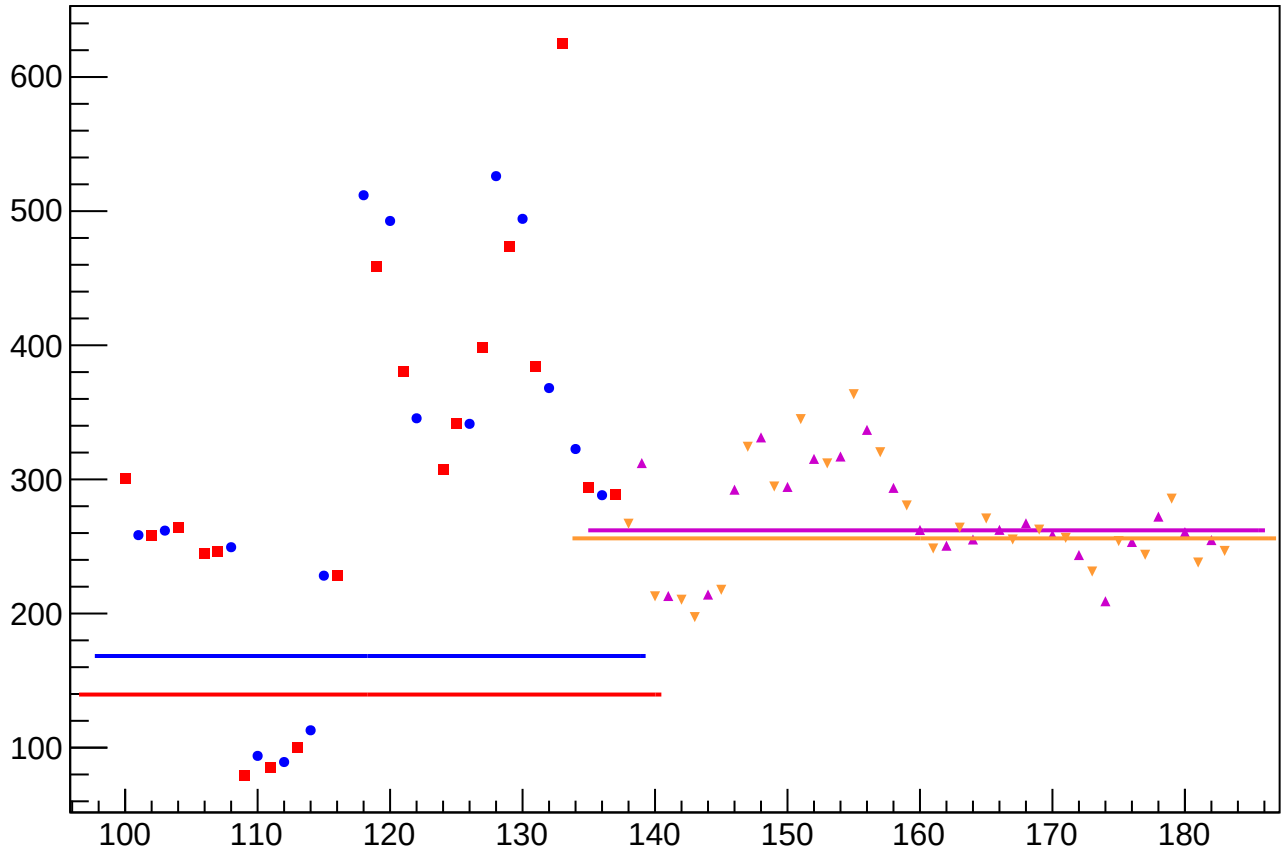
Left: -114.397+/-43.028 χ^2/NDF: 95.1/45

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -13.623+/-48.284 χ^2/NDF:46.9/37

Out: -144.705+/-43.519 χ^2/NDF:76.3/42

All: -85.949+/-32.326 χ^2/NDF: 127.3/80



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 256.031+/-0.042 χ^2/NDF:853818.1/23

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: 258.881+/-0.030 χ^2/NDF: 1534065.7/45

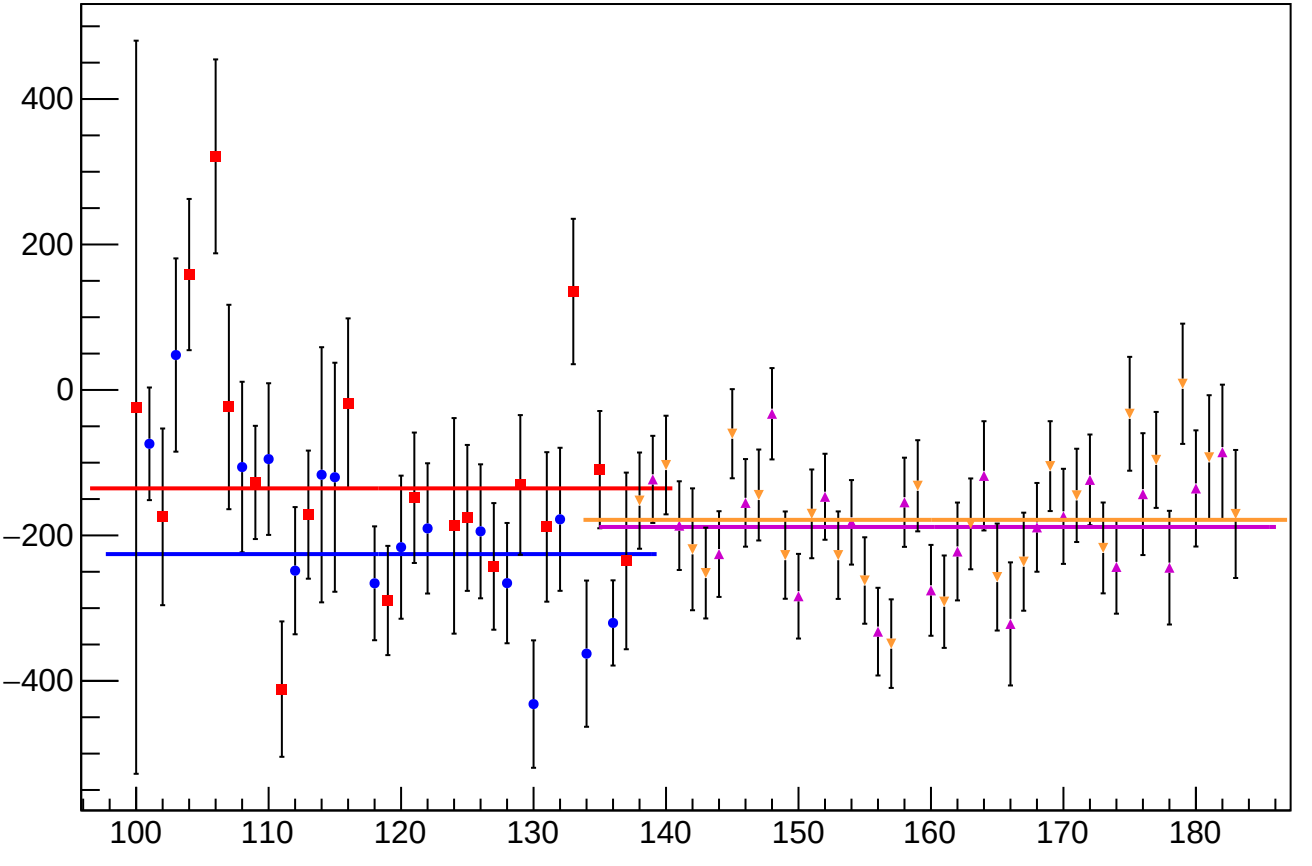
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 224.418+/-0.034 χ^2/NDF:7024179.1/37

Out: 202.079+/-0.031 χ^2/NDF:9568010.6/42

All: 212.092+/-0.023 χ^2/NDF: 16828410.4/80

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -178.607+/-13.517 χ^2/NDF:37.0/23

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: -183.358+/-9.698 χ^2/NDF: 64.3/45

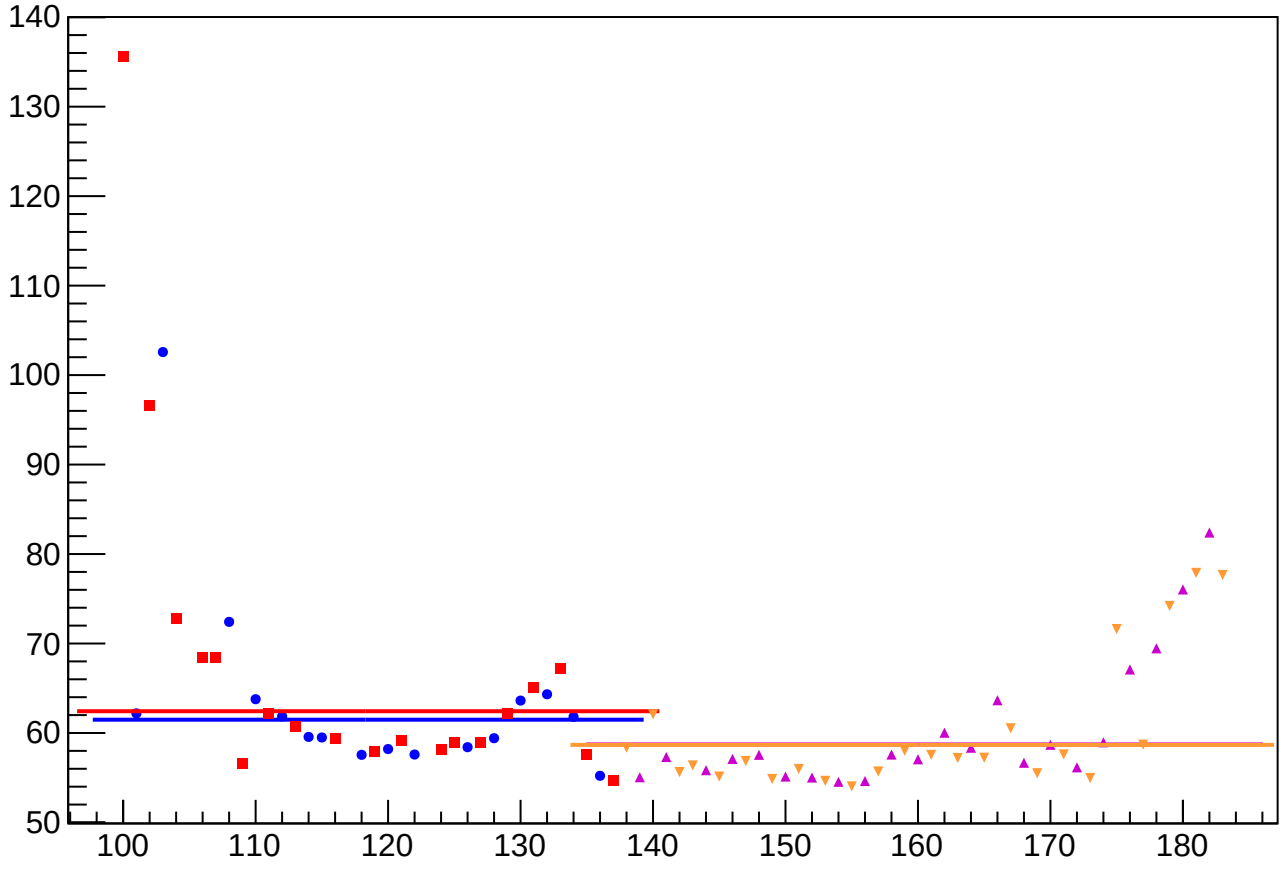
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -198.325+/-11.927 χ^2/NDF:51.6/37

Out: -167.638+/-11.680 χ^2/NDF:84.5/42

All: -182.660+/-8.345 χ^2/NDF: 139.5/80

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.671+/-0.010 χ^2/NDF:393330.0/23

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 58.720+/-0.010 χ^2/NDF:347747.2/21

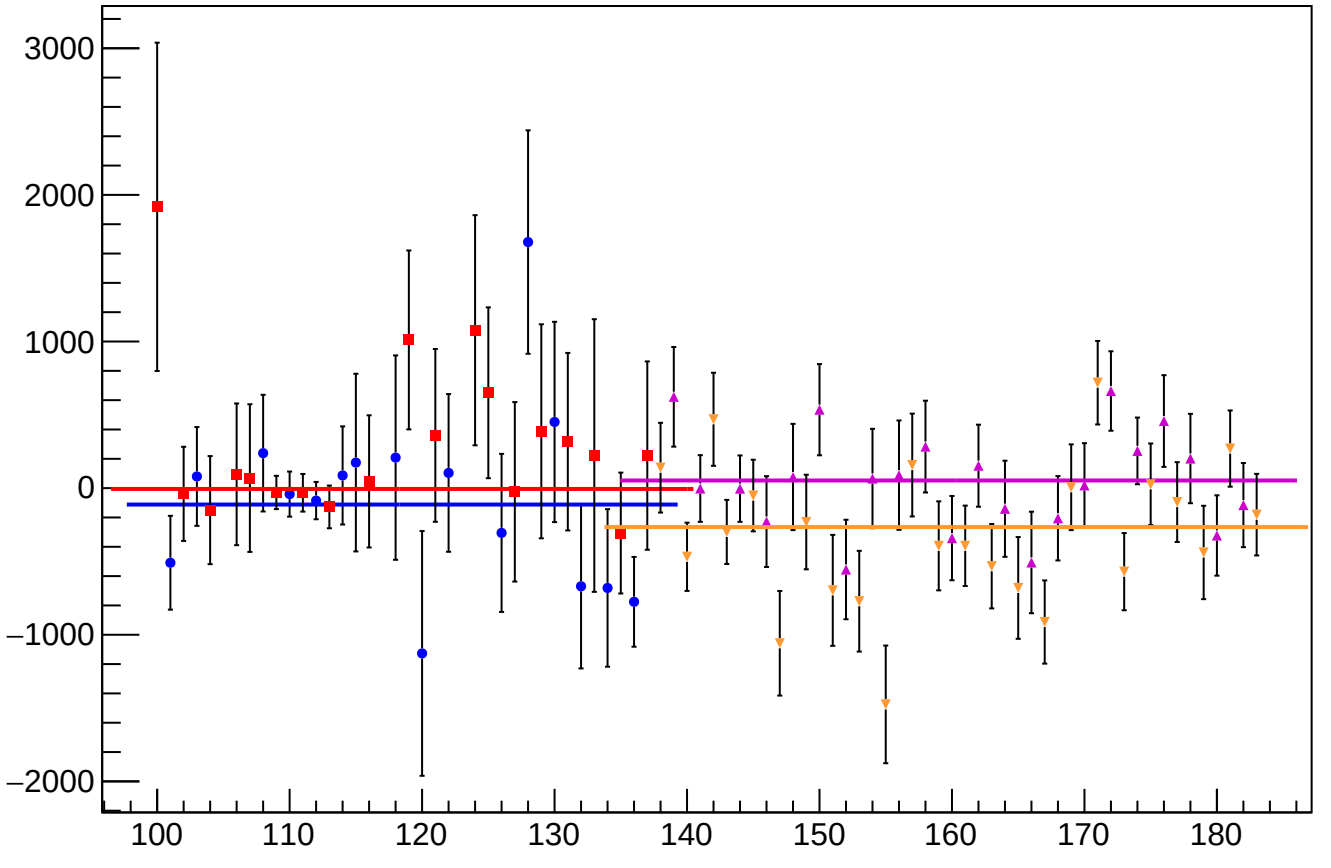
Left: 58.695+/-0.007 χ^2/NDF: 741090.1/45

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.456+/-0.008 χ^2/NDF:619422.2/37

Out: 59.624+/-0.008 χ^2/NDF:711983.1/42

All: 59.542+/-0.006 χ^2/NDF: 1331606.6/80



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -265.424+/-59.407 χ^2/NDF:55.8/23

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 52.262+/-62.406 χ^2/NDF:25.7/21

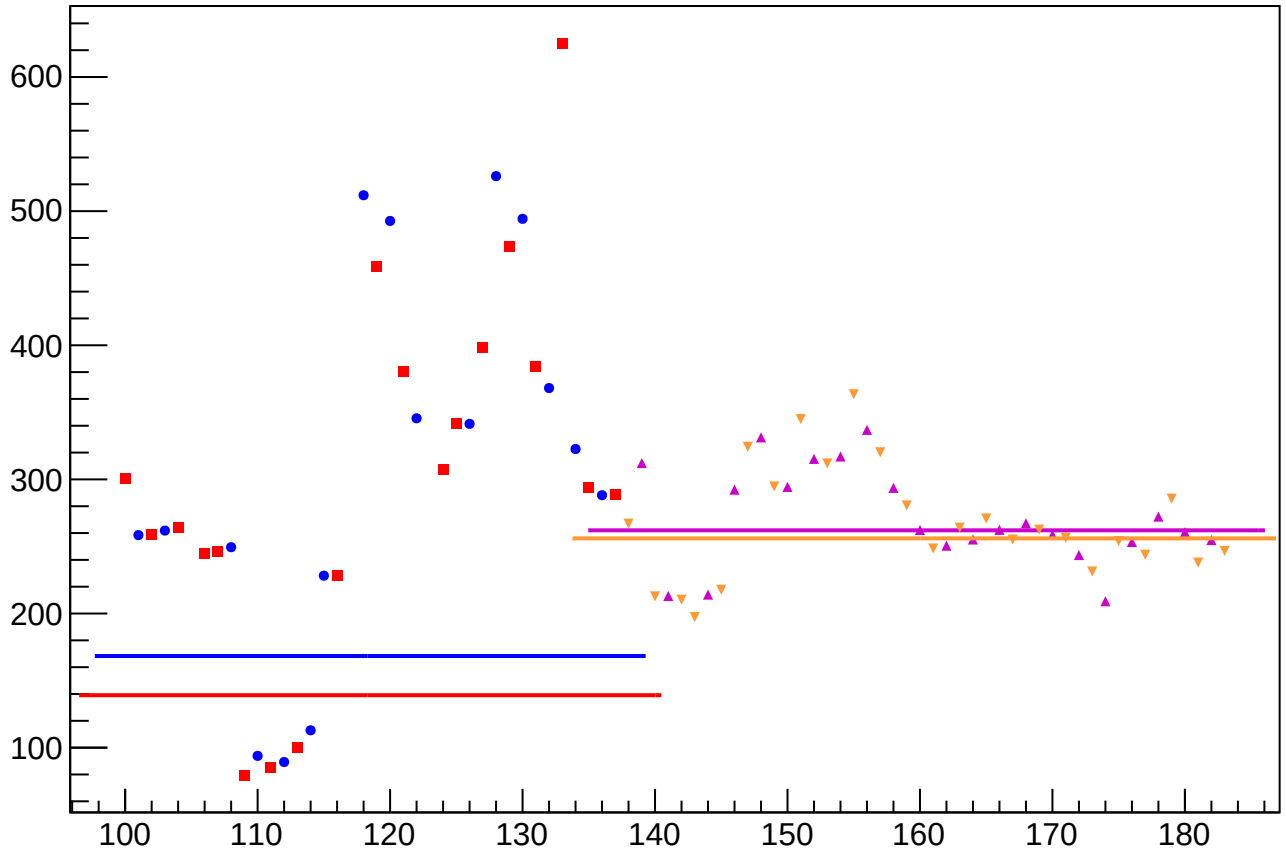
Left: -114.398+/-43.028 χ^2/NDF: 95.1/45

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -13.616+/-48.284 χ^2/NDF:46.9/37

Out: -145.346+/-43.567 χ^2/NDF:76.2/42

All: -86.228+/-32.346 χ^2/NDF: 127.3/80



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 256.031+/-0.042 χ^2/NDF:853818.9/23

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.026+/-0.044 χ^2/NDF:670564.0/21

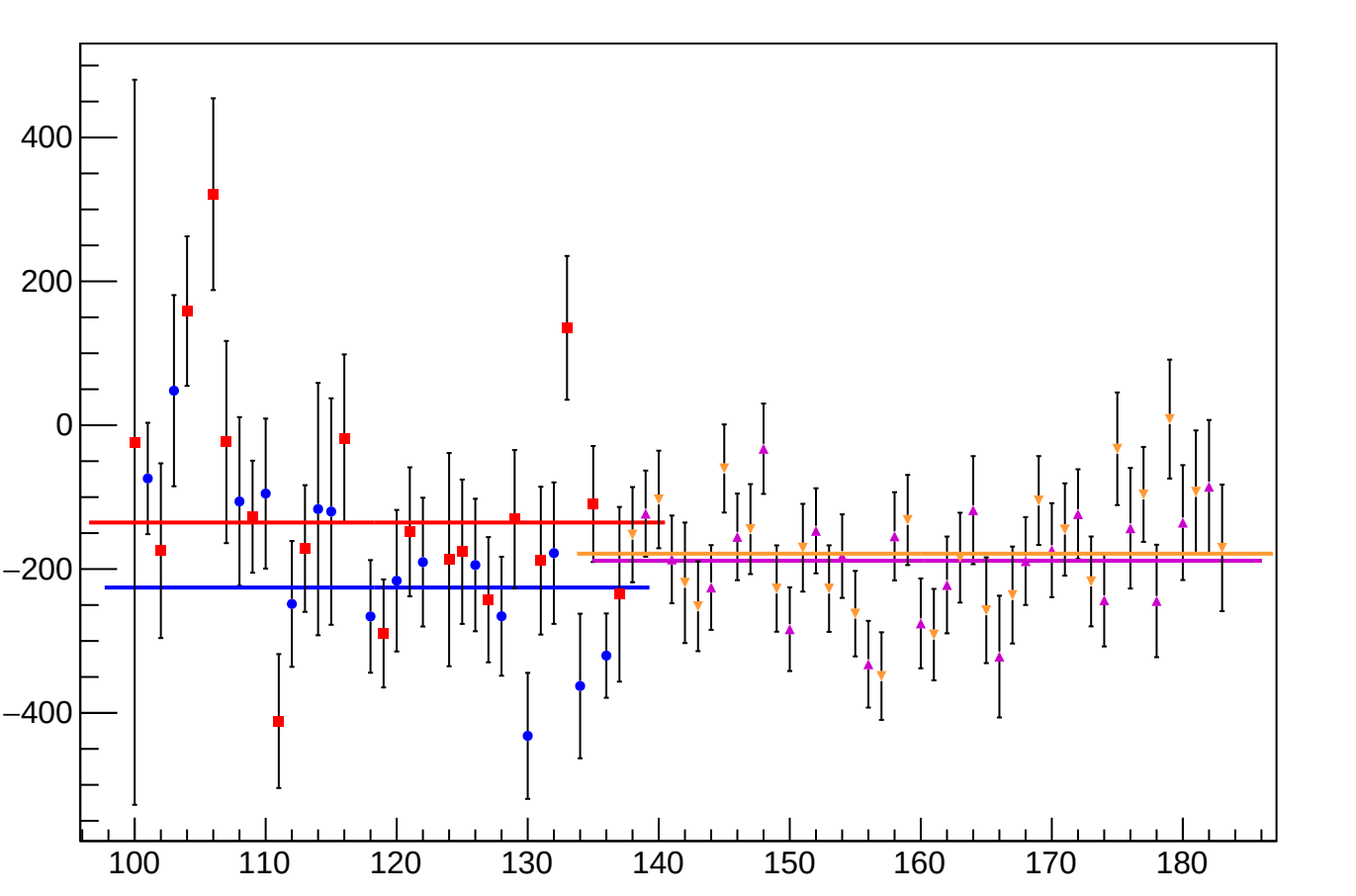
Left: 258.881+/-0.030 χ^2/NDF: 1534065.6/45

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 224.418+/-0.034 χ^2/NDF:7024210.8/37

Out: 201.990+/-0.031 χ^2/NDF:9564656.8/42

All: 212.055+/-0.023 χ^2/NDF: 16826732.3/80



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -178.607+/-13.517 χ^2/NDF:37.0/23

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -188.398+/-13.923 χ^2/NDF:27.1/21

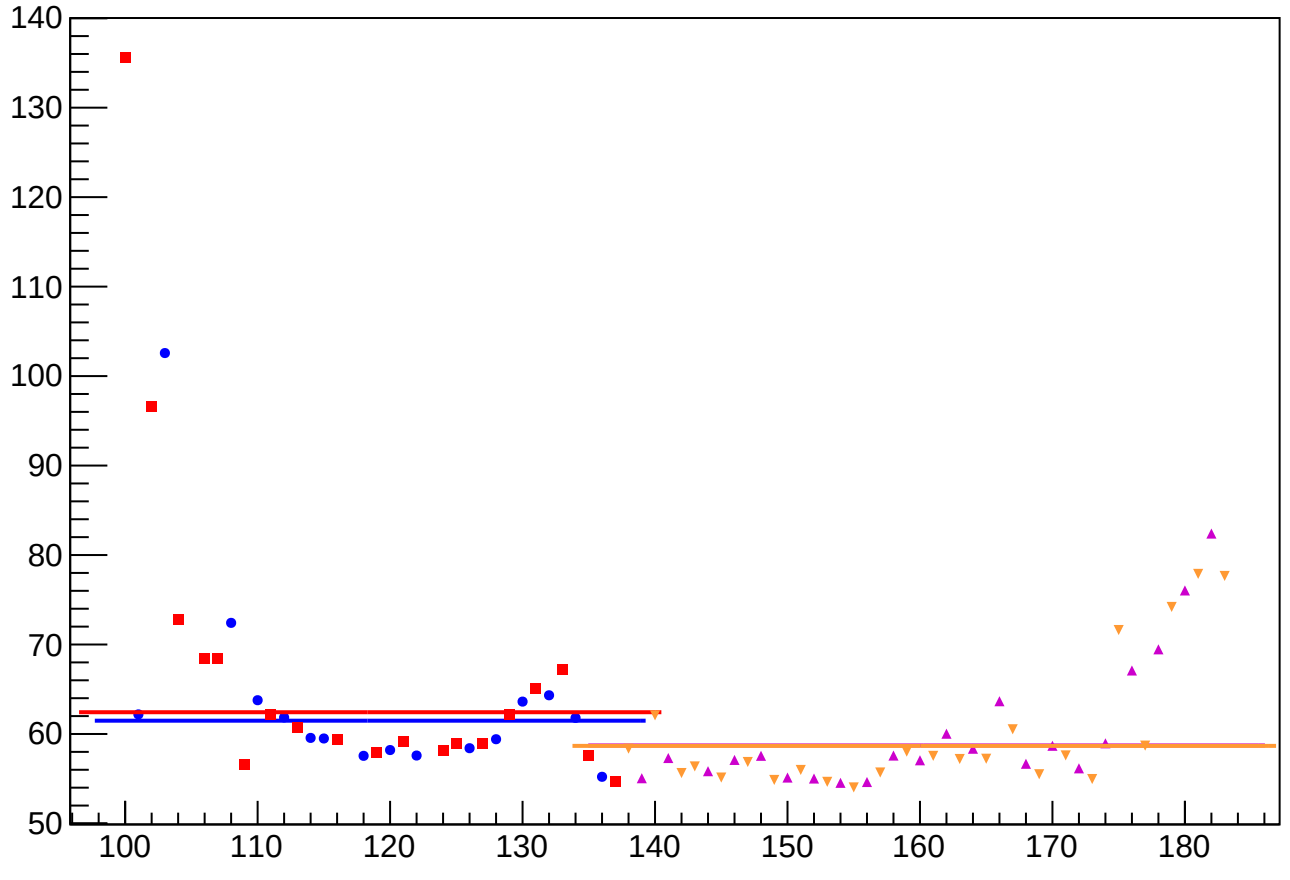
Left: -183.358+/-9.698 χ^2/NDF: 64.3/45

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -198.325+/-11.927 χ^2/NDF:51.6/37

Out: -167.638+/-11.680 χ^2/NDF:84.5/42

All: -182.660+/-8.345 χ^2/NDF: 139.5/80



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.671+/-0.010 χ^2/NDF:393330.0/23

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 58.720+/-0.010 χ^2/NDF:347747.2/21

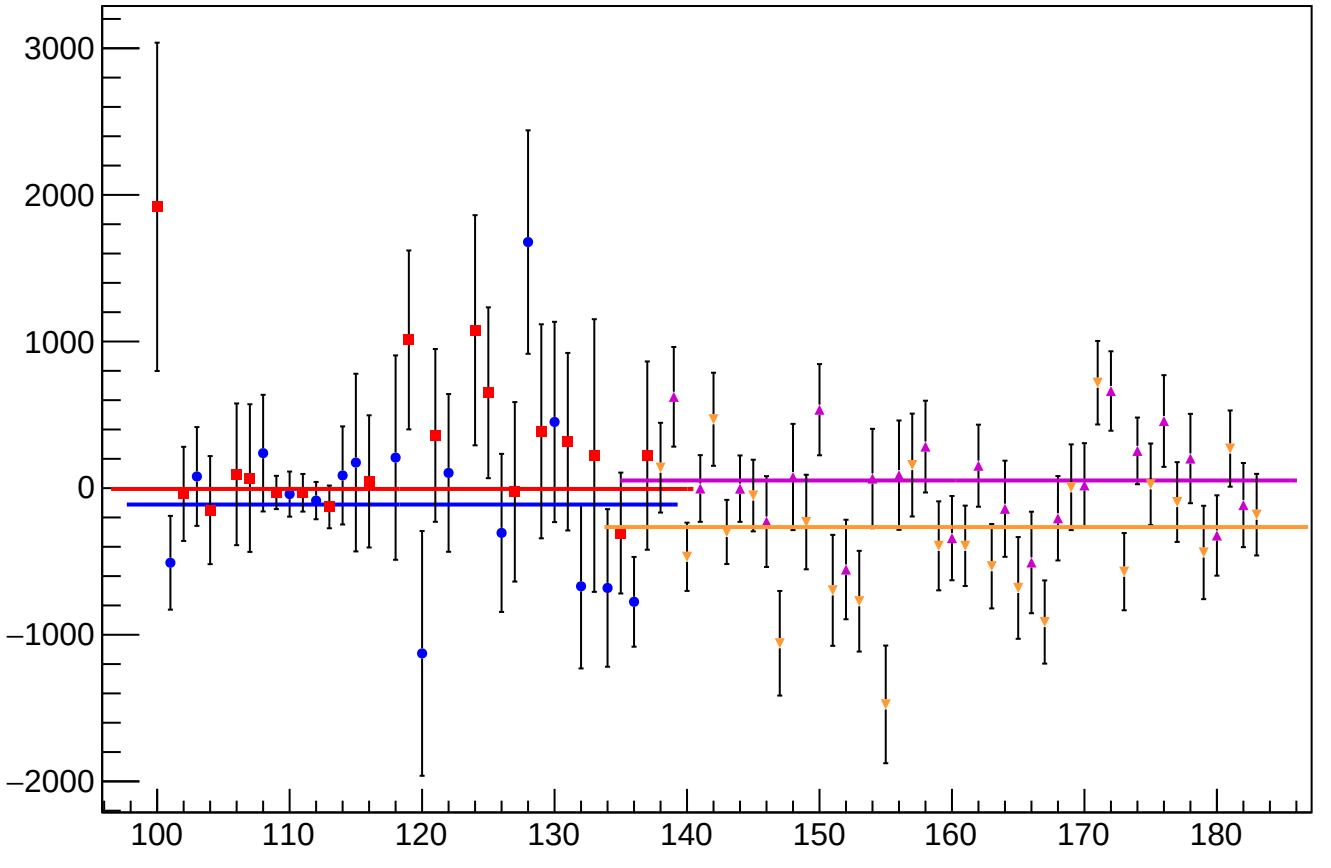
Left: 58.695+/-0.007 χ^2/NDF: 741090.1/45

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.456+/-0.008 χ^2/NDF:619422.2/37

Out: 59.624+/-0.008 χ^2/NDF:711983.1/42

All: 59.542+/-0.006 χ^2/NDF: 1331606.6/80



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -265.424+/-59.407 χ^2/NDF:55.8/23

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 52.262+/-62.406 χ^2/NDF:25.7/21

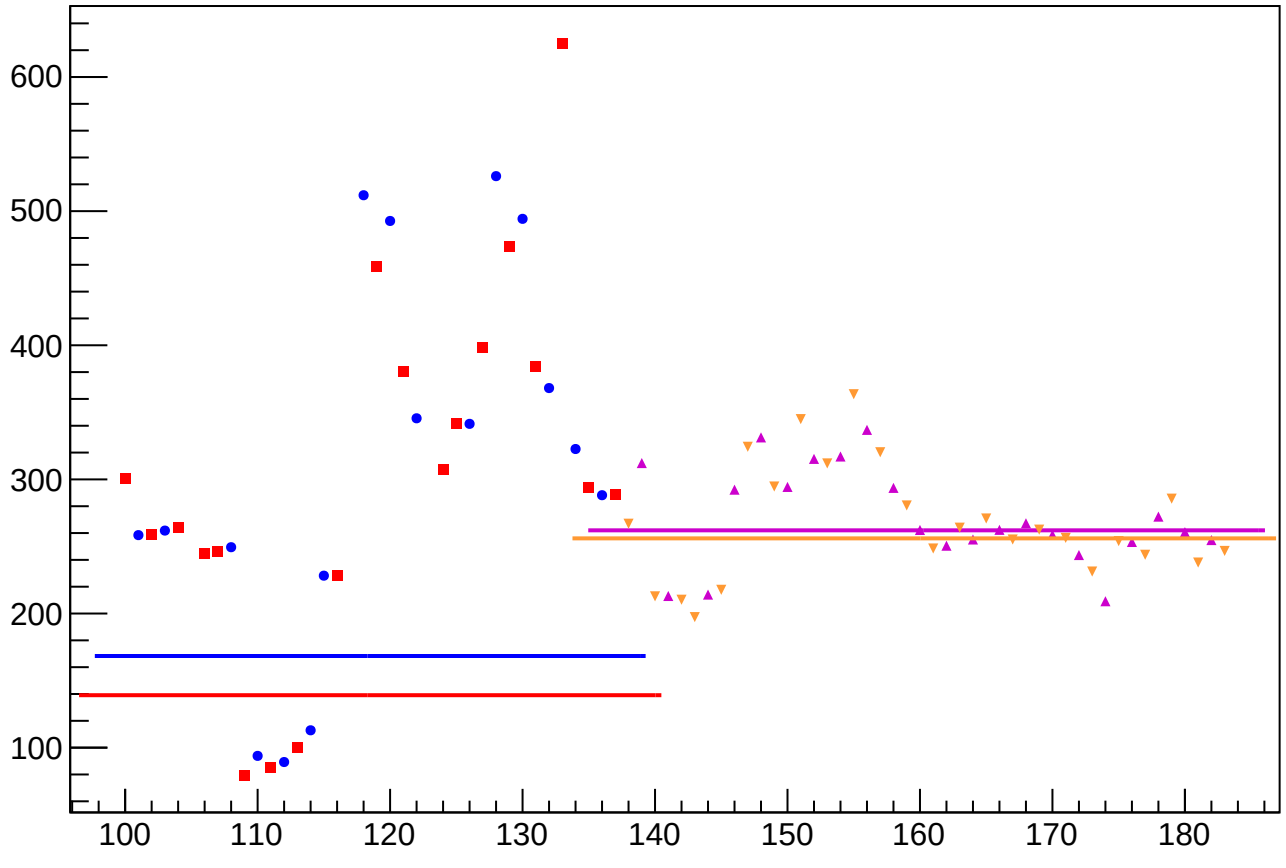
Left: -114.398+/-43.028 χ^2/NDF: 95.1/45

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -13.616+/-48.284 χ^2/NDF:46.9/37

Out: -145.346+/-43.567 χ^2/NDF:76.2/42

All: -86.228+/-32.346 χ^2/NDF: 127.3/80



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 256.031+/-0.042 χ^2/NDF:853818.9/23

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: 258.881+/-0.030 χ^2/NDF: 1534065.6/45

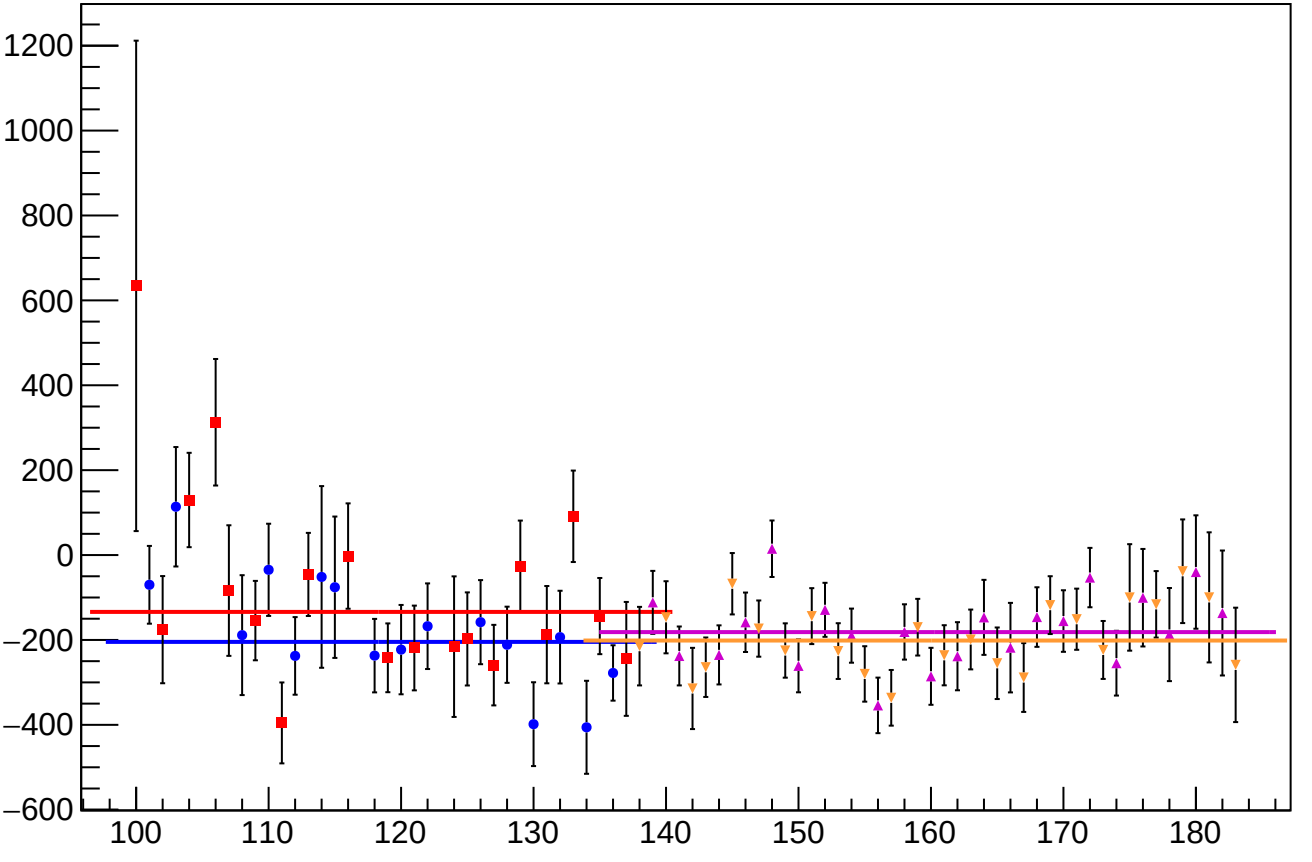
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 224.418+/-0.034 χ^2/NDF:7024210.8/37

Out: 201.990+/-0.031 χ^2/NDF:9564656.8/42

All: 212.055+/-0.023 χ^2/NDF: 16826732.3/80

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -201.368+/-15.631 χ^2/NDF:21.3/23

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: -191.715+/-11.206 χ^2/NDF: 51.9/45

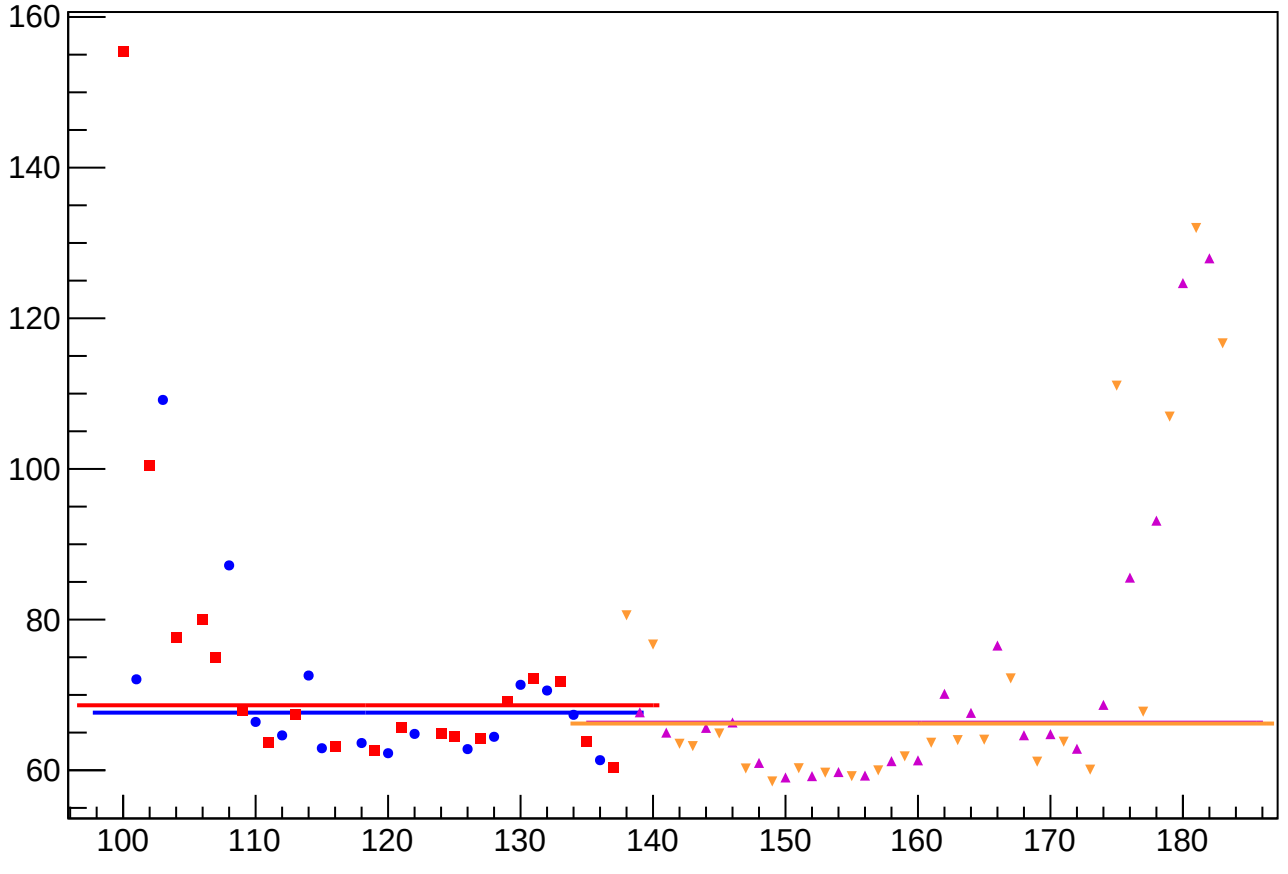
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -188.059+/-13.601 χ^2/NDF:50.4/37

Out: -182.931+/-13.324 χ^2/NDF:63.7/42

All: -185.442+/-9.518 χ^2/NDF: 114.1/80

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 66.201+/-0.011 χ^2/NDF:1389653.2/23

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 66.318+/-0.011 χ^2/NDF:1075250.6/21

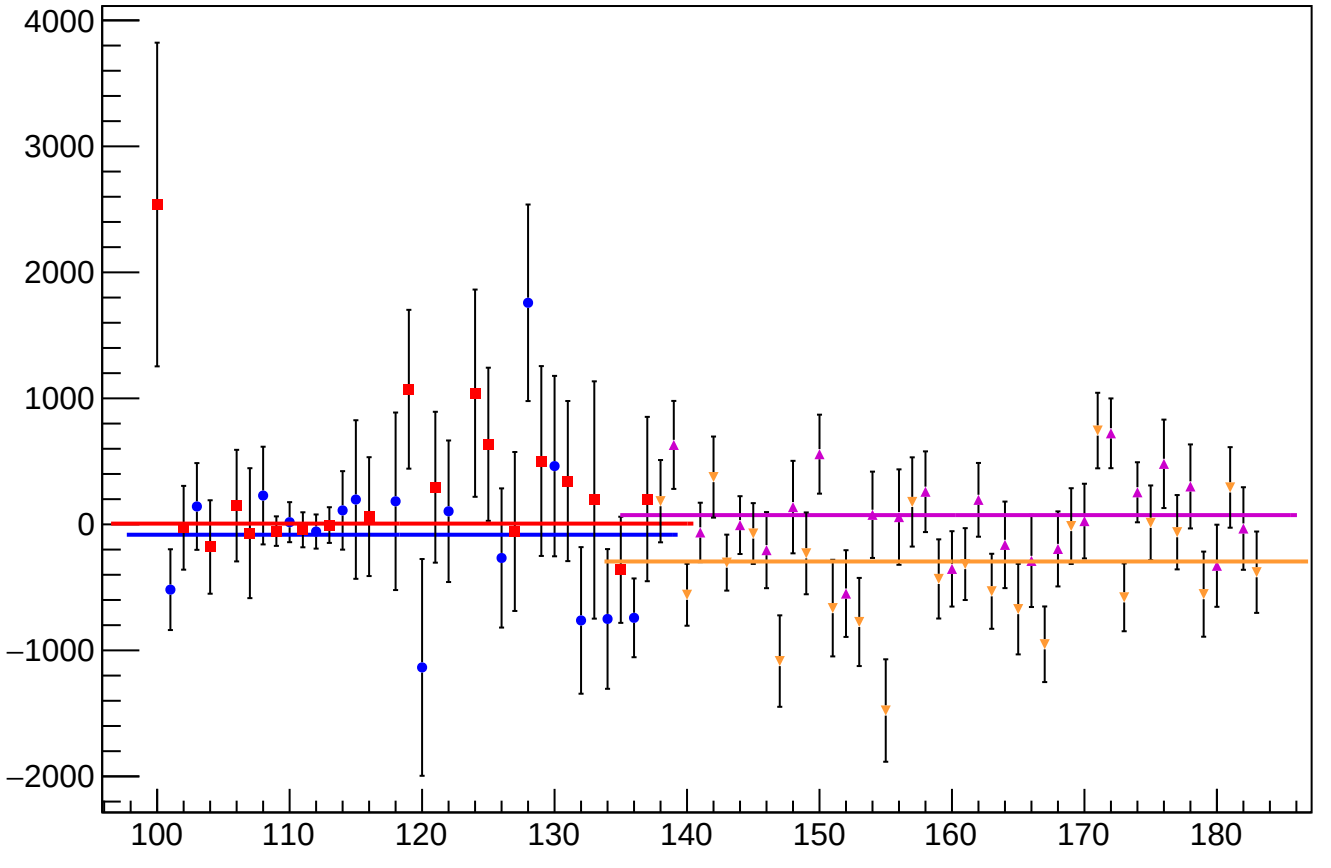
Left: 66.258+/-0.008 χ^2/NDF: 2464958.2/45

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

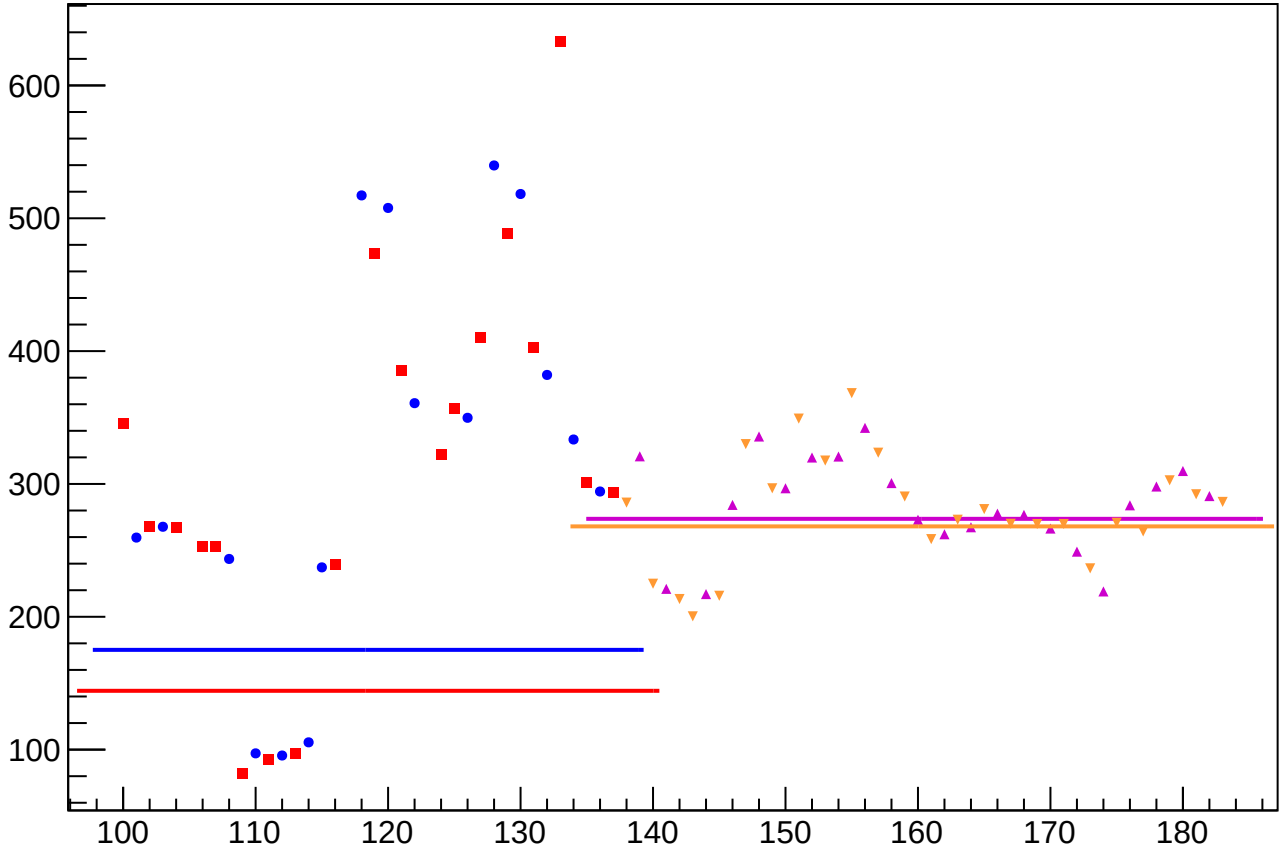
In: 66.695+/-0.010 χ^2/NDF:1342806.8/37

Out: 66.863+/-0.009 χ^2/NDF:1650956.8/42

All: 66.781+/-0.007 χ^2/NDF: 2993919.1/80


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: -294.465+/-62.171 χ²/NDF:52.8/23
Right Out: 6.063+/-65.910 χ²/NDF: 12.0/18
Left In: 73.527+/-65.176 χ²/NDF:23.9/21
Left: -119.149+/-44.986 χ²/NDF: 93.4/45
Right: -30.347+/-50.524 χ²/NDF: 32.0/34
In: 10.139+/-50.191 χ²/NDF:45.4/37
Out: -152.968+/-45.226 χ²/NDF:75.8/42
All: -79.880+/-33.598 χ²/NDF: 127.1/80

asym_sam8_dit_correction_rms vs Slug, Sign Corrected



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 268.051+/-0.044 χ^2/NDF:862630.8/23

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: 270.761+/-0.032 χ^2/NDF: 1520902.6/45

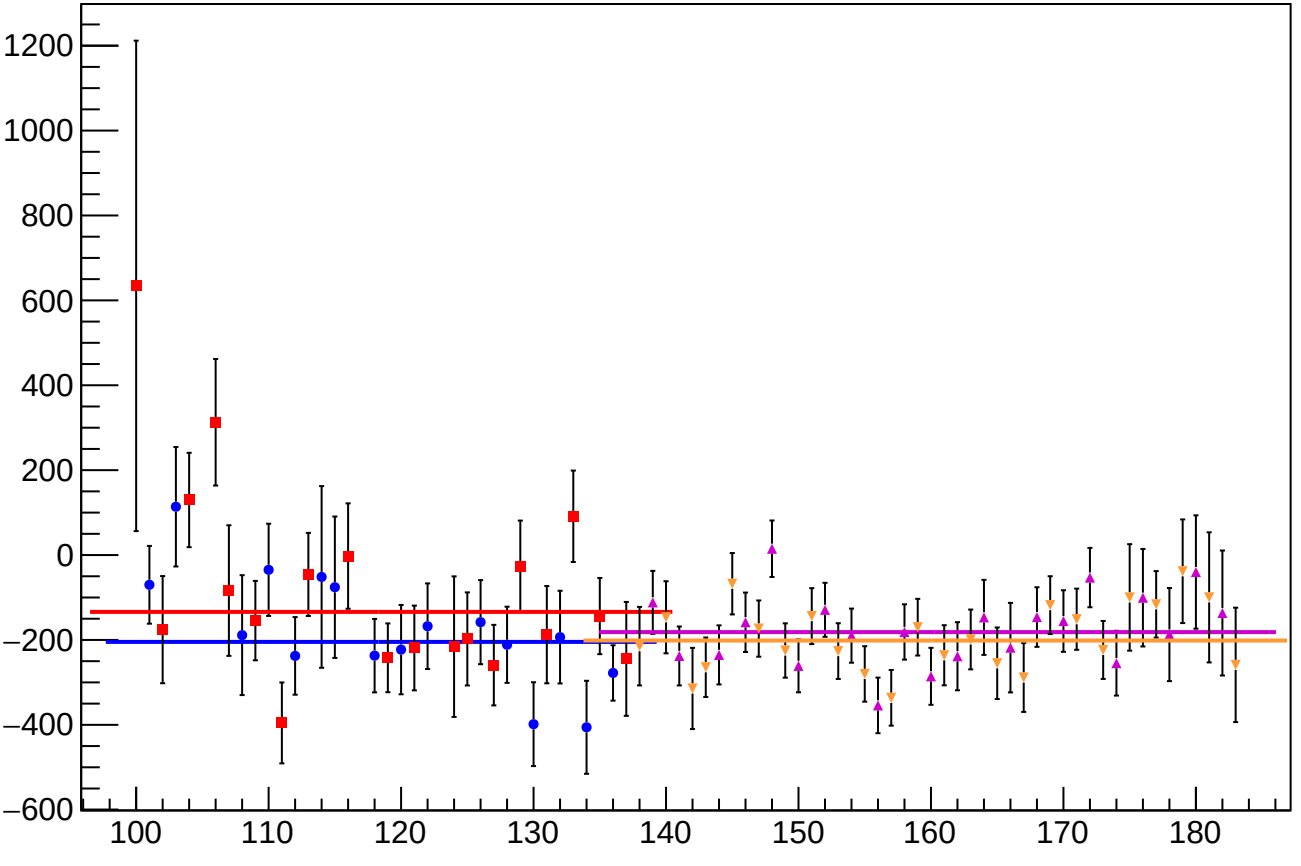
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 233.596+/-0.035 χ^2/NDF:6943749.9/37

Out: 209.774+/-0.032 χ^2/NDF:9727449.2/42

All: 220.449+/-0.024 χ^2/NDF: 16919844.8/80

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -201.367+/-15.631 χ^2/NDF:21.3/23

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -181.509+/-16.073 χ^2/NDF:29.8/21

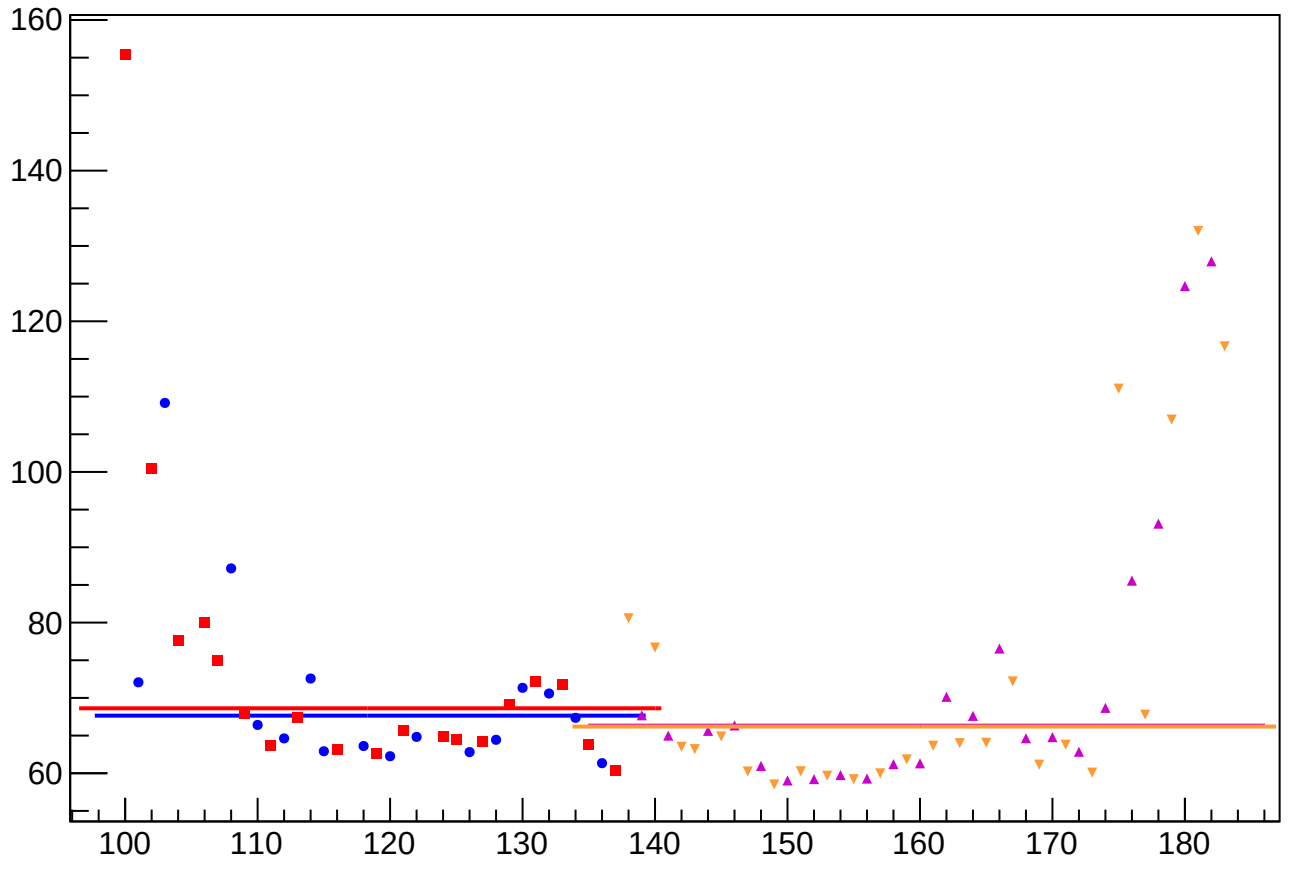
Left: -191.715+/-11.206 χ^2/NDF: 51.9/45

Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -188.059+/-13.601 χ^2/NDF:50.4/37

Out: -182.931+/-13.324 χ^2/NDF:63.7/42

All: -185.442+/-9.518 χ^2/NDF: 114.1/80



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 66.201+/-0.011 χ^2/NDF:1389655.3/23

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 66.318+/-0.011 χ^2/NDF:1075244.4/21

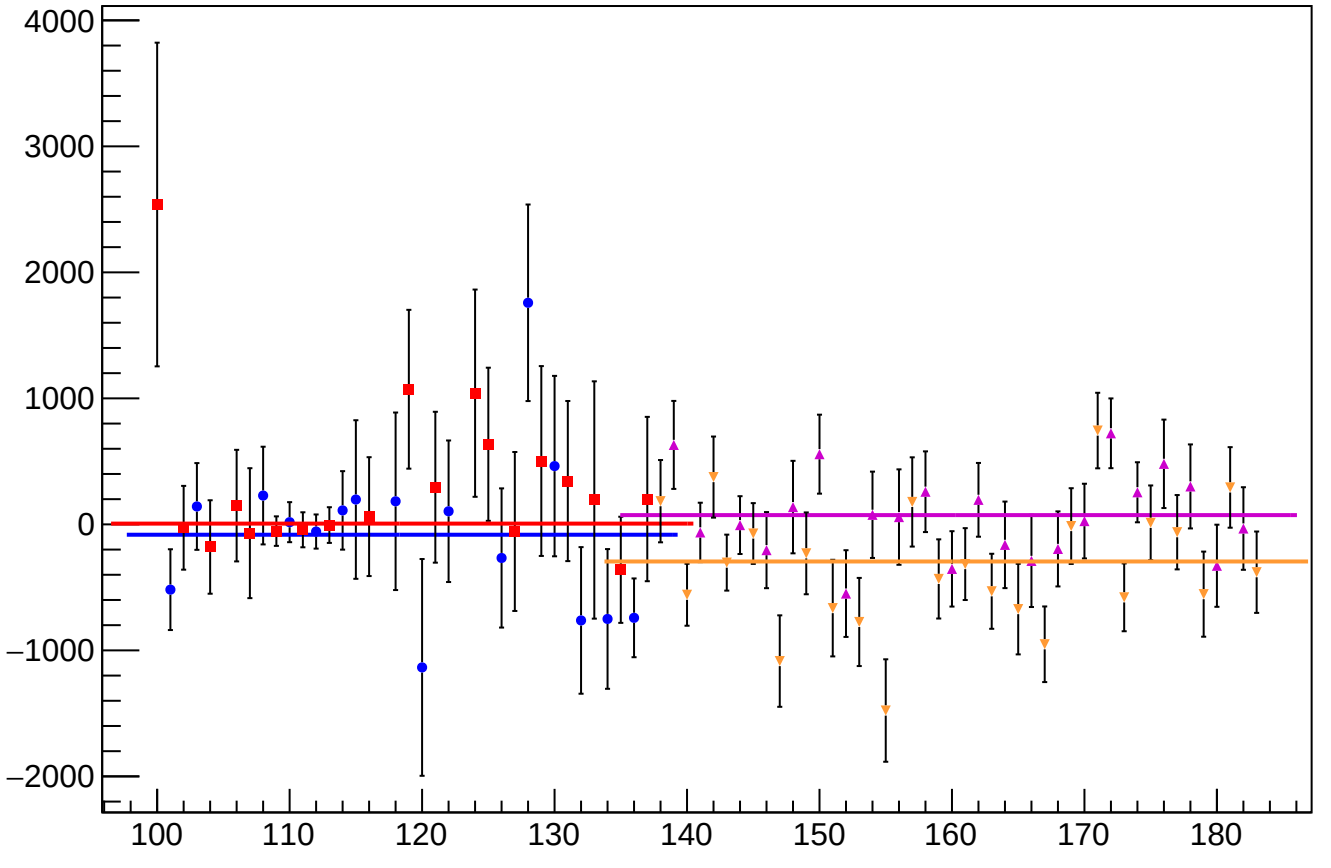
Left: 66.258+/-0.008 χ^2/NDF: 2464954.1/45

Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 66.695+/-0.010 χ^2/NDF:1342798.5/37

Out: 66.863+/-0.009 χ^2/NDF:1650957.8/42

All: 66.781+/-0.007 χ^2/NDF: 2993911.7/80



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -294.464+/-62.170 χ^2/NDF:52.8/23

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 73.527+/-65.176 χ^2/NDF:23.9/21

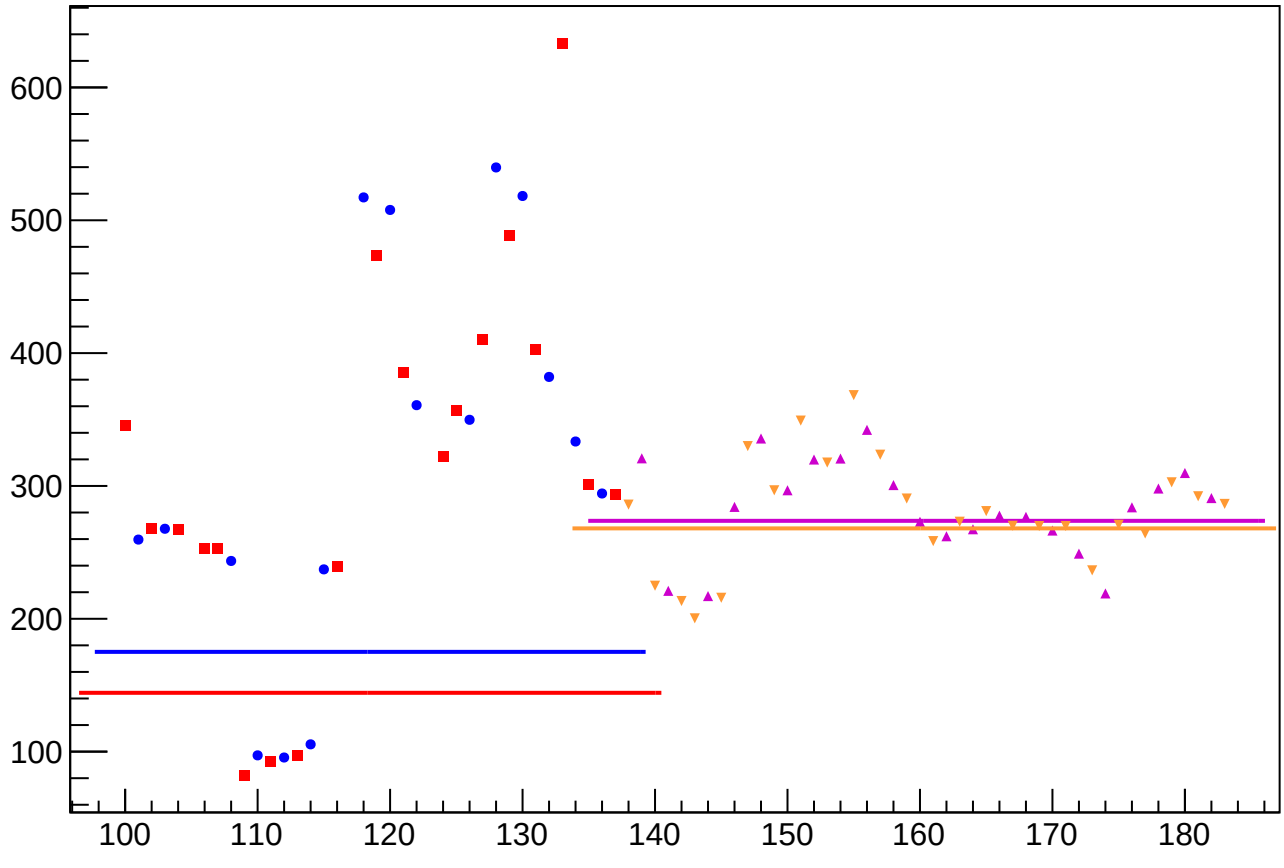
Left: -119.149+/-44.986 χ^2/NDF: 93.4/45

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 10.139+/-50.191 χ^2/NDF:45.4/37

Out: -152.969+/-45.225 χ^2/NDF:75.8/42

All: -79.880+/-33.598 χ^2/NDF: 127.1/80



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 268.050+/-0.044 χ^2/NDF:862641.0/23

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: 270.760+/-0.032 χ^2/NDF: 1520918.4/45

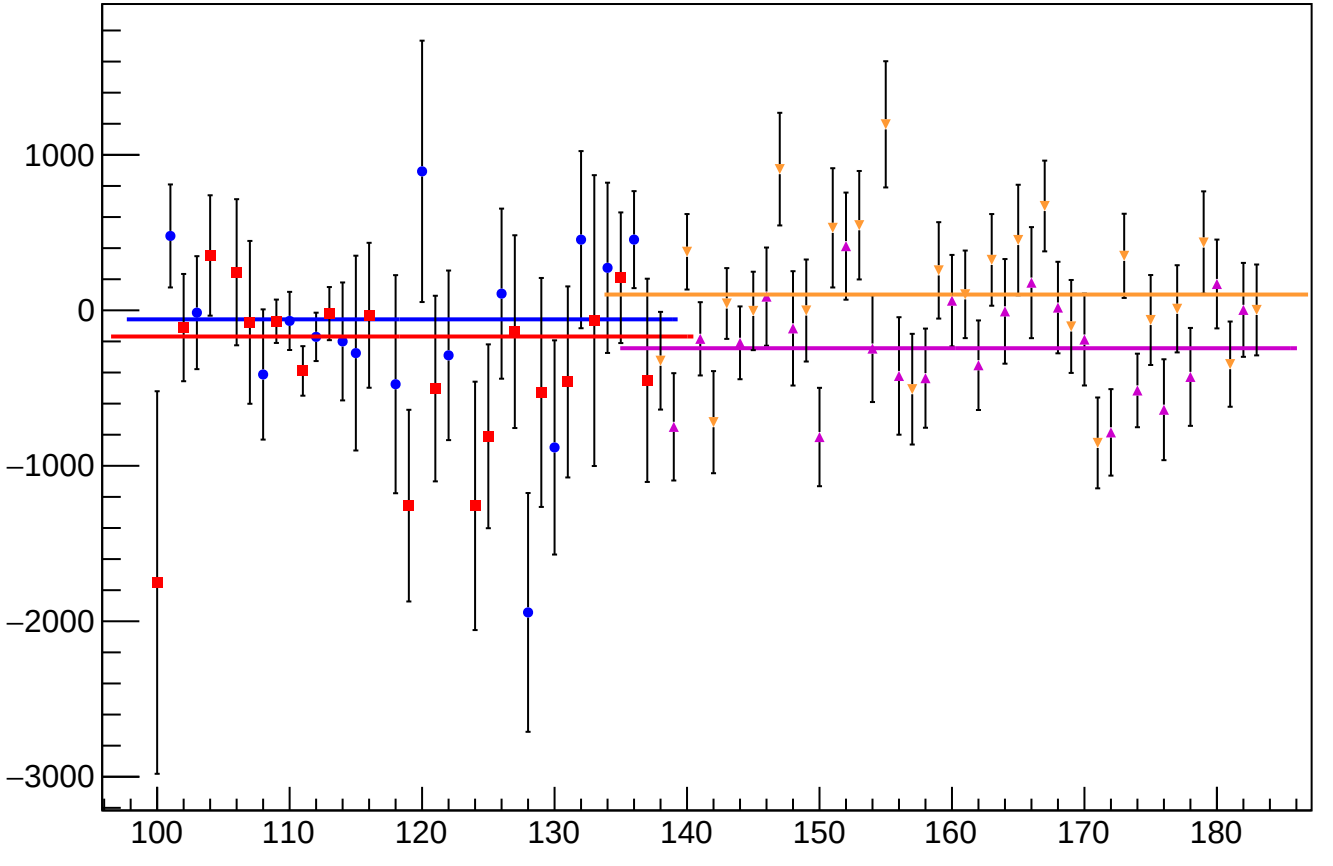
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 233.595+/-0.035 χ^2/NDF:6943812.4/37

Out: 209.774+/-0.032 χ^2/NDF:9727421.4/42

All: 220.448+/-0.024 χ^2/NDF: 16919867.9/80

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 101.610+/-61.211 χ^2/NDF:49.6/23

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: -62.829+/-44.301 χ^2/NDF: 89.3/45

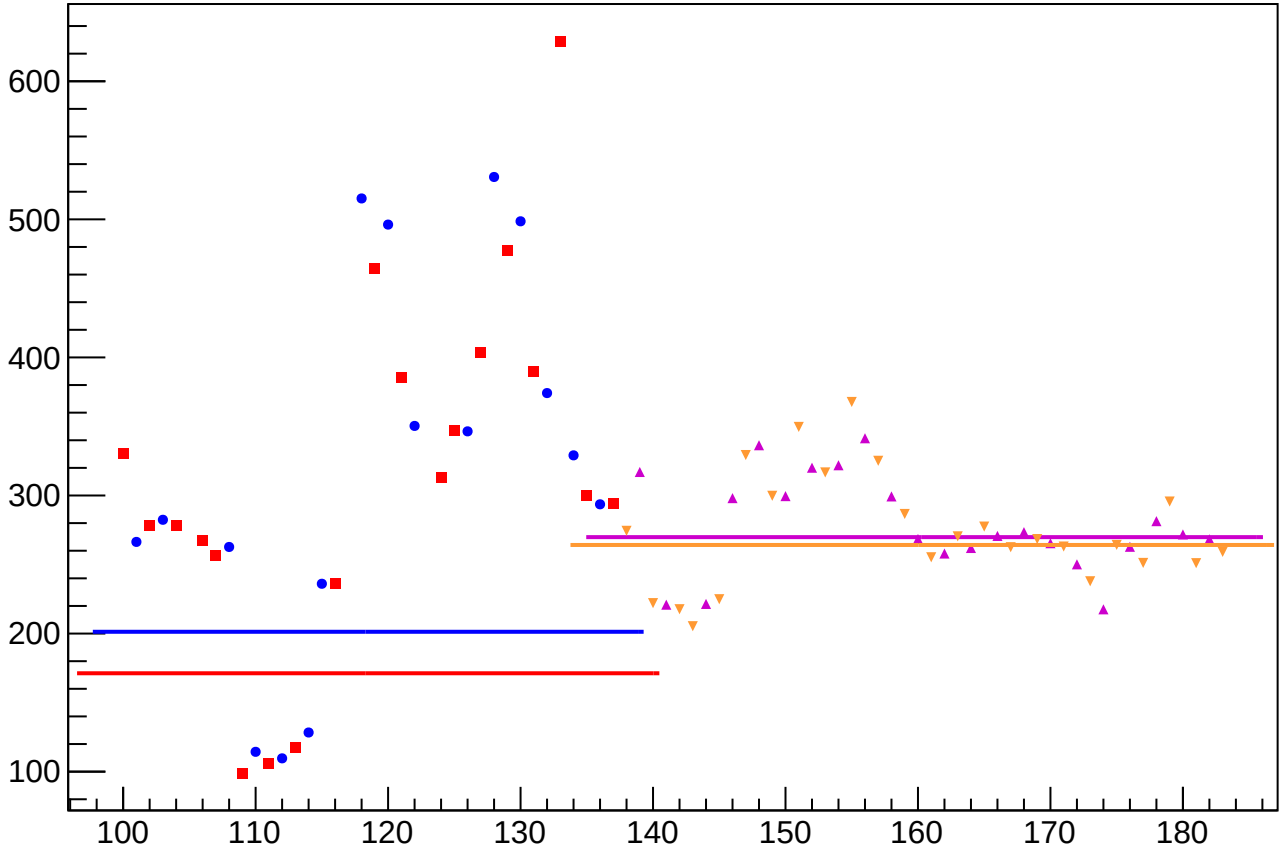
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -178.120+/-51.634 χ^2/NDF:44.9/37

Out: -7.005+/-47.320 χ^2/NDF:72.9/42

All: -85.117+/-34.886 χ^2/NDF: 123.8/80

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 264.169+/-0.043 χ^2/NDF:769857.4/23

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 269.848+/-0.045 χ^2/NDF:602169.5/21

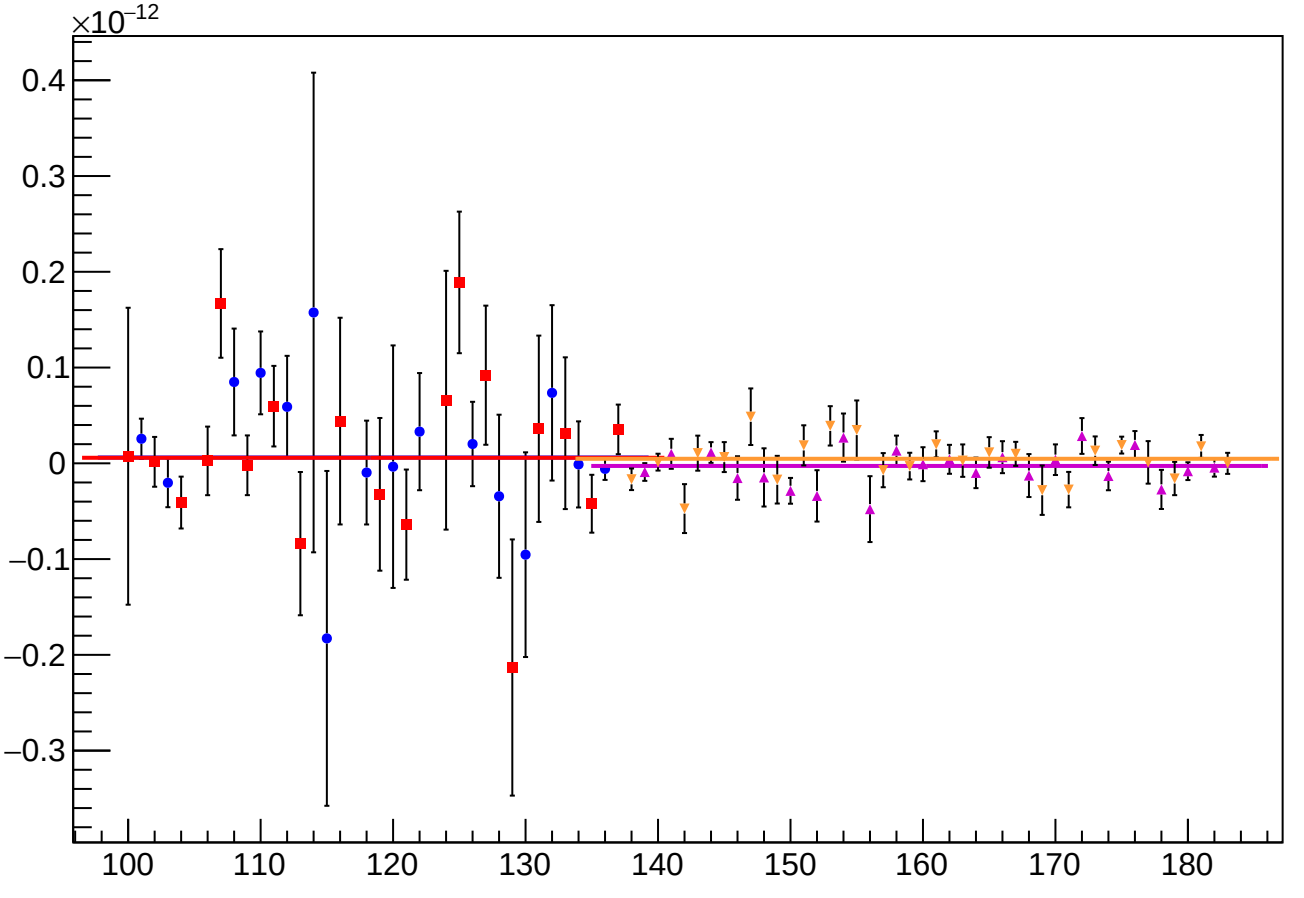
Left: 266.873+/-0.031 χ^2/NDF: 1380223.7/45

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 245.643+/-0.037 χ^2/NDF:4979522.3/37

Out: 226.781+/-0.033 χ^2/NDF:6816787.4/42

All: 235.391+/-0.025 χ^2/NDF: 11941364.4/80



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

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.0/21

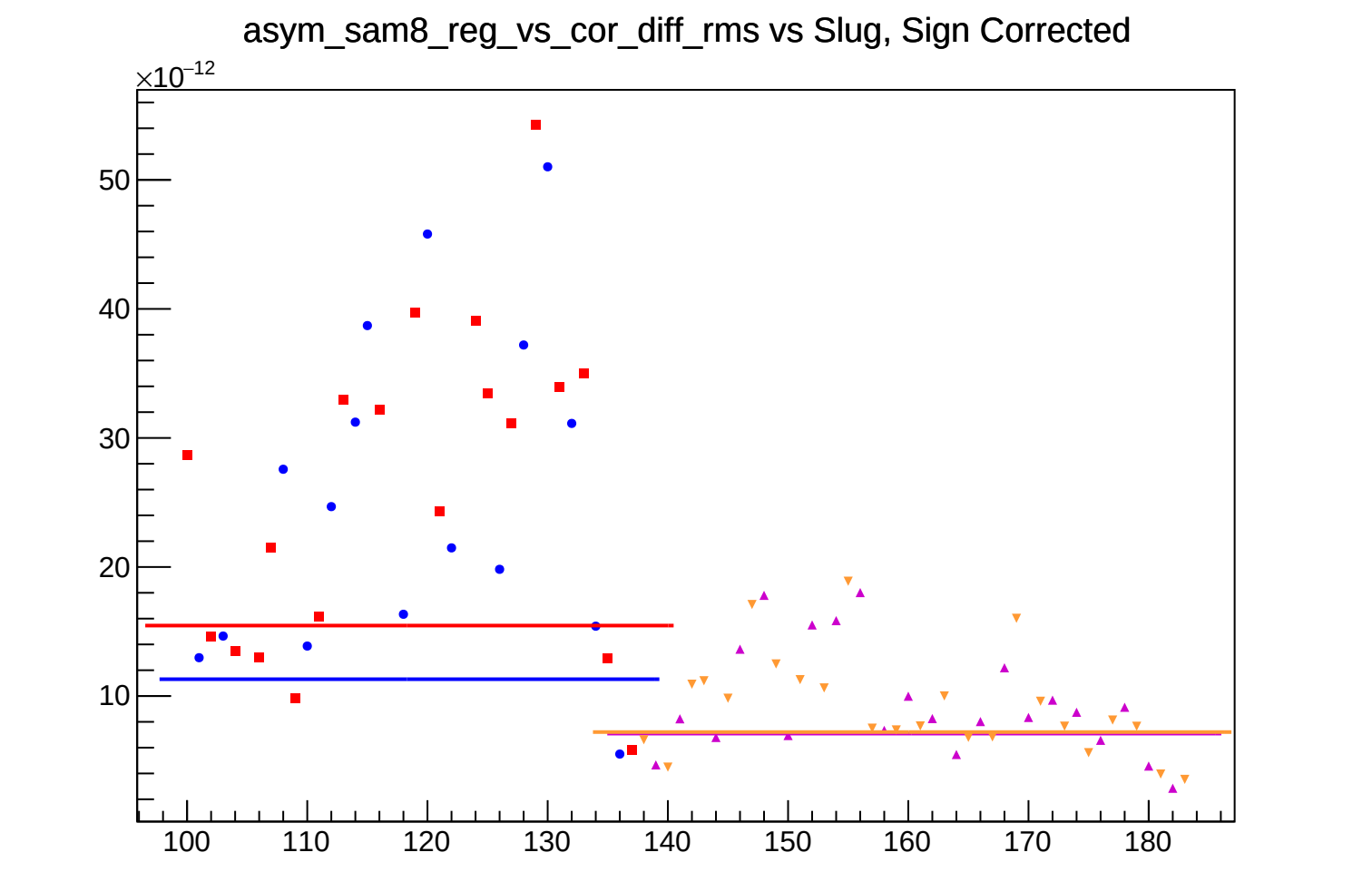
Left: 0.000+/-0.000 χ^2/NDF: 51.8/45

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:58.4/42

All: 0.000+/-0.000 χ^2/NDF: 96.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1890499.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2050061.2/21

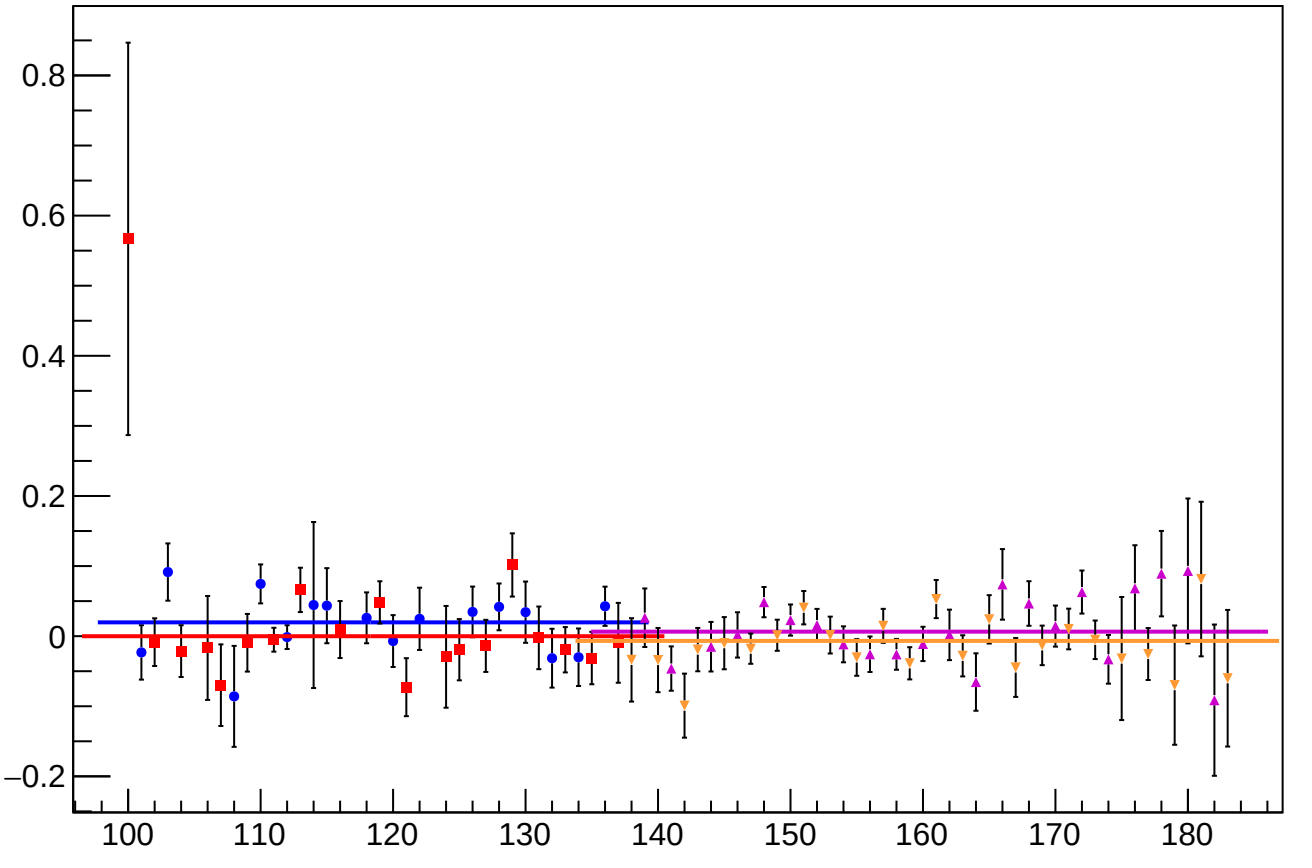
Left: 0.000+/-0.000 χ^2/NDF: 3942032.3/45

Right: 0.000+/-0.000 χ^2/NDF: 3431603.8/34

In: 0.000+/-0.000 χ^2/NDF:4292531.6/37

Out: 0.000+/-0.000 χ^2/NDF:4536119.8/42

All: 0.000+/-0.000 χ^2/NDF: 8836076.6/80



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:22.0/23

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:28.3/21

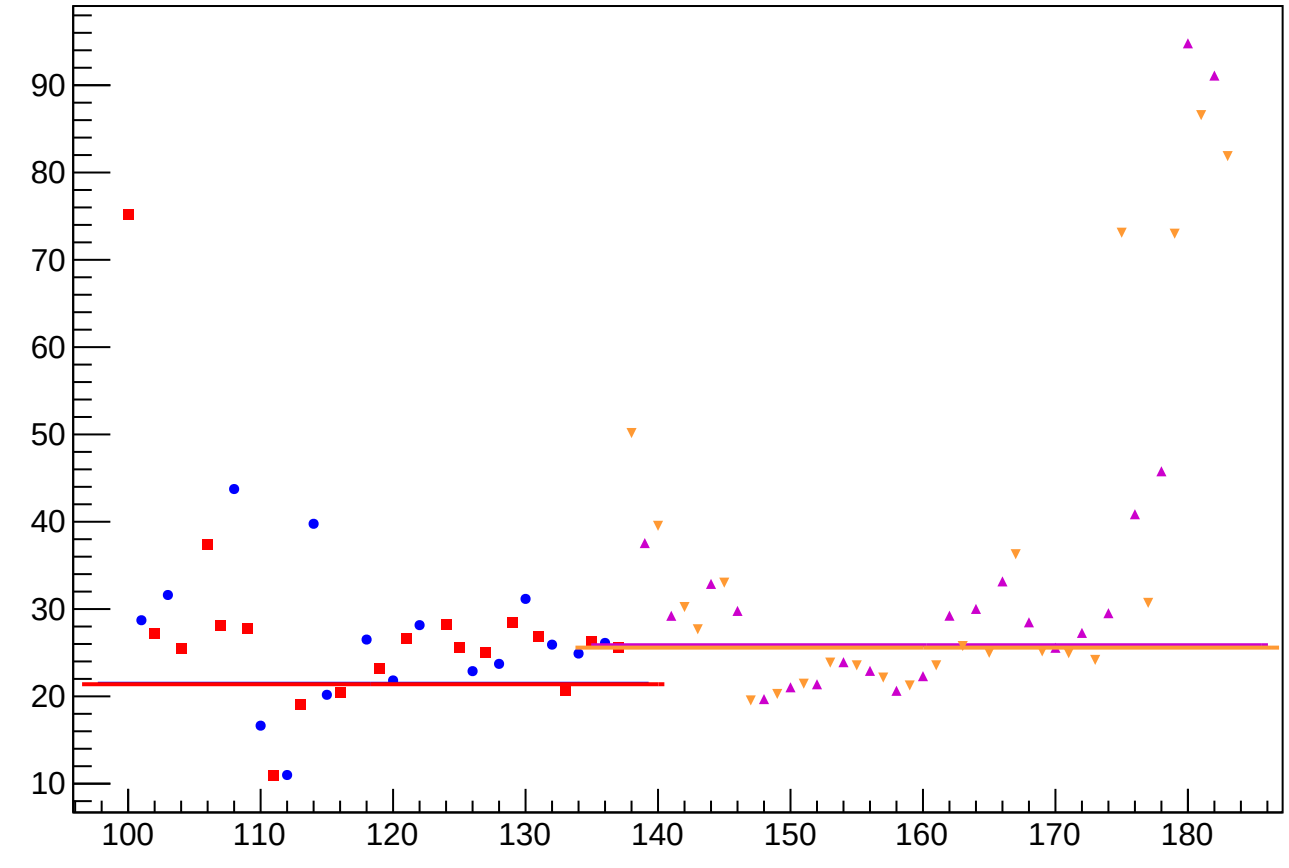
Left: -0.000+/-0.005 χ^2/NDF: 52.4/45

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:45.2/42

All: 0.003+/-0.004 χ^2/NDF: 96.6/80



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.583+/-0.005 χ^2/NDF:3773608.4/23

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: 25.715+/-0.003 χ^2/NDF: 6664265.6/45

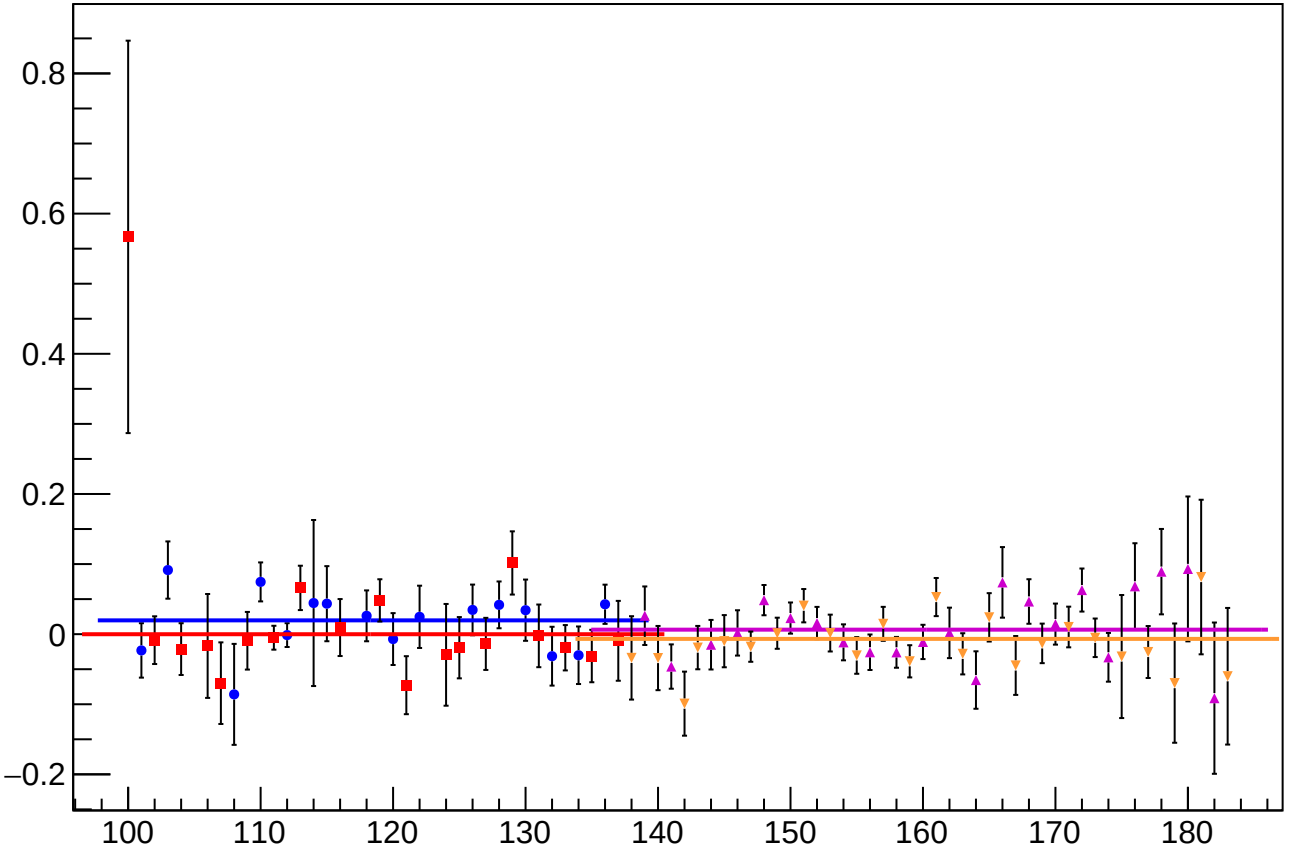
Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 24.231+/-0.004 χ^2/NDF:4755701.8/37

Out: 24.064+/-0.004 χ^2/NDF:5395548.7/42

All: 24.145+/-0.003 χ^2/NDF: 10152279.0/80

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:22.0/23

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: 52.4/45

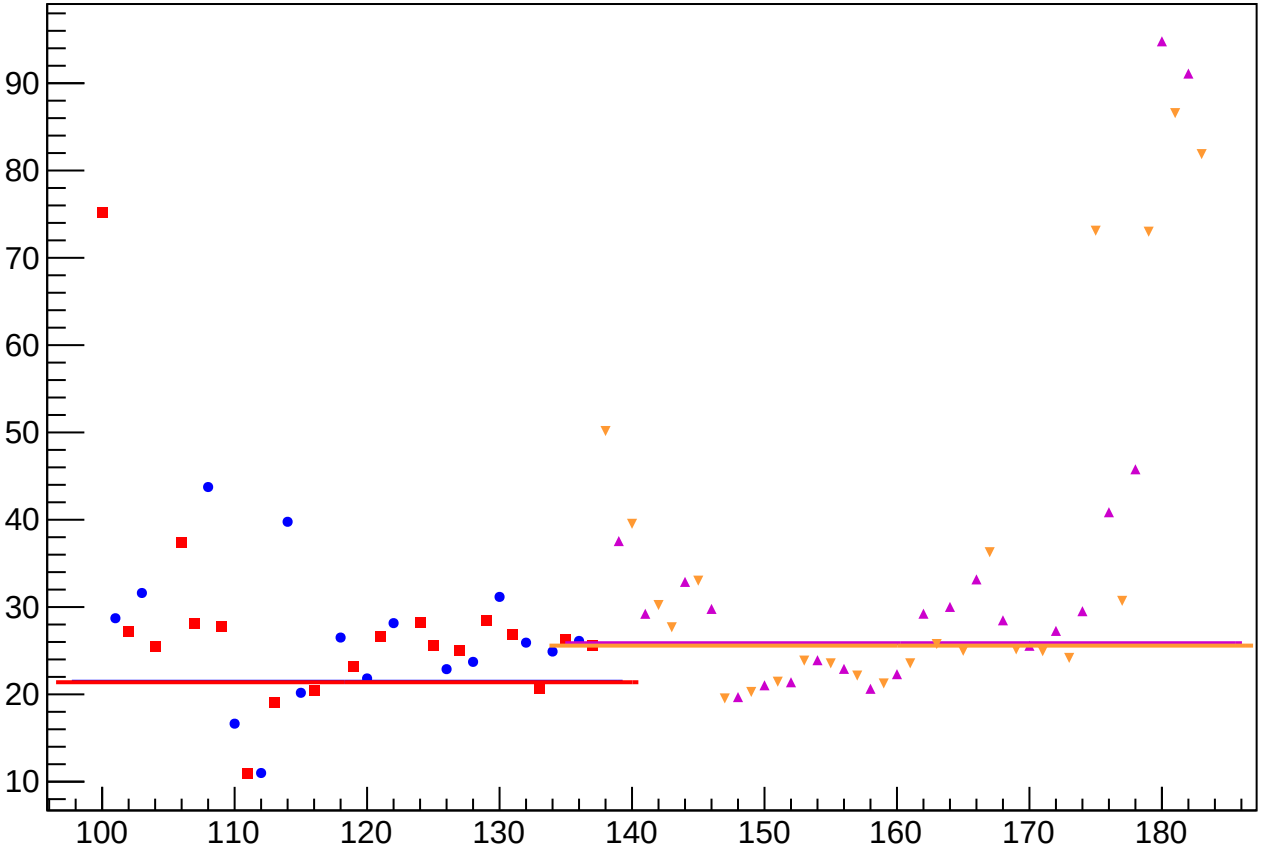
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:46.8/37

Out: -0.004+/-0.005 χ^2/NDF:45.2/42

All: 0.003+/-0.004 χ^2/NDF: 96.6/80

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.583+/-0.005 χ^2/NDF:3773608.4/23

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.857+/-0.005 χ^2/NDF:2888898.8/21

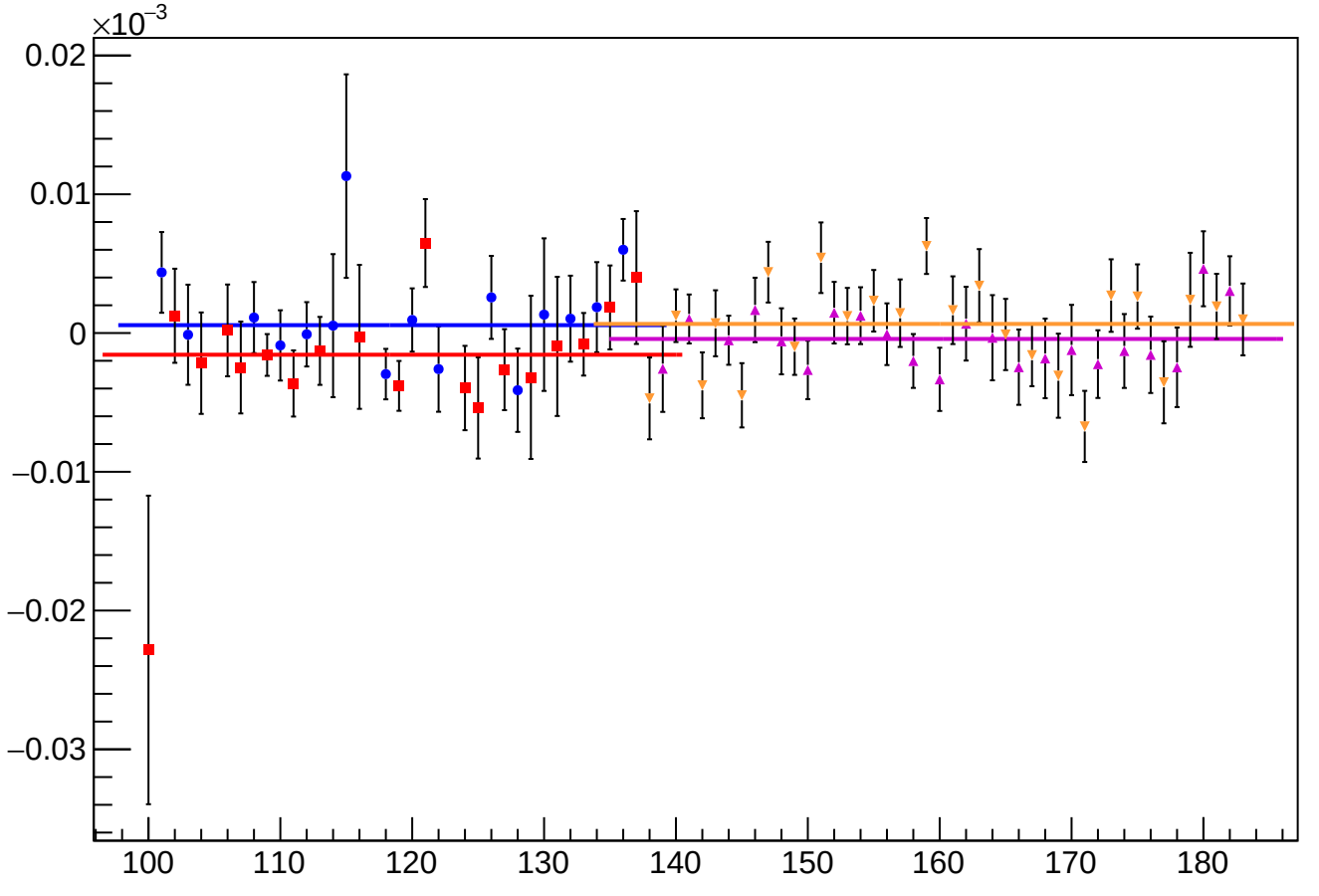
Left: 25.715+/-0.003 χ^2/NDF: 6664265.6/45

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 24.231+/-0.004 χ^2/NDF:4755701.8/37

Out: 24.064+/-0.004 χ^2/NDF:5395548.7/42

All: 24.145+/-0.003 χ^2/NDF: 10152279.0/80



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

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.6/21

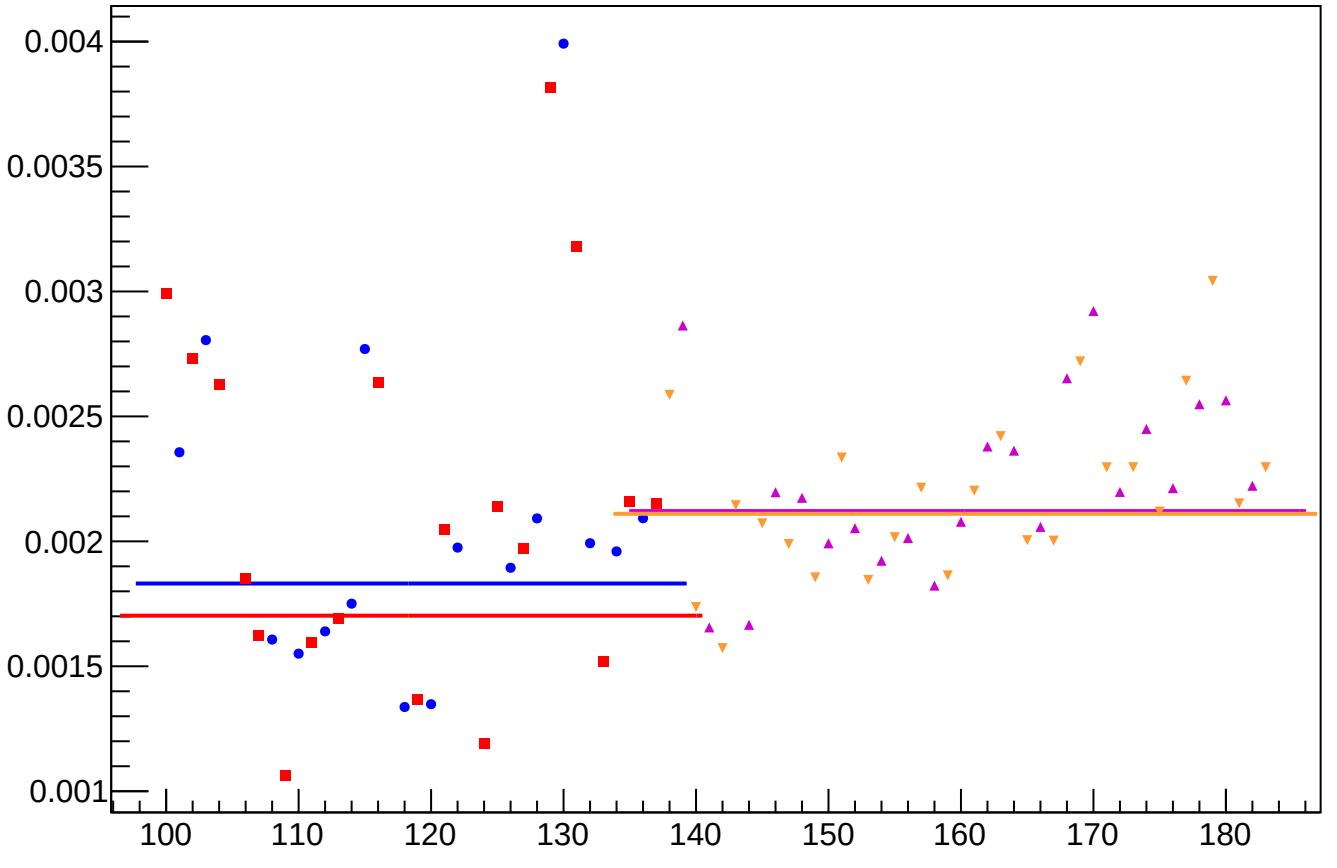
Left: 0.000+/-0.000 χ^2/NDF: 60.5/45

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:69.1/42

All: -0.000+/-0.000 χ^2/NDF: 103.3/80



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:724704.1/23

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:828236.5/21

Left: 0.002+/-0.000 χ^2/NDF: 1553420.9/45

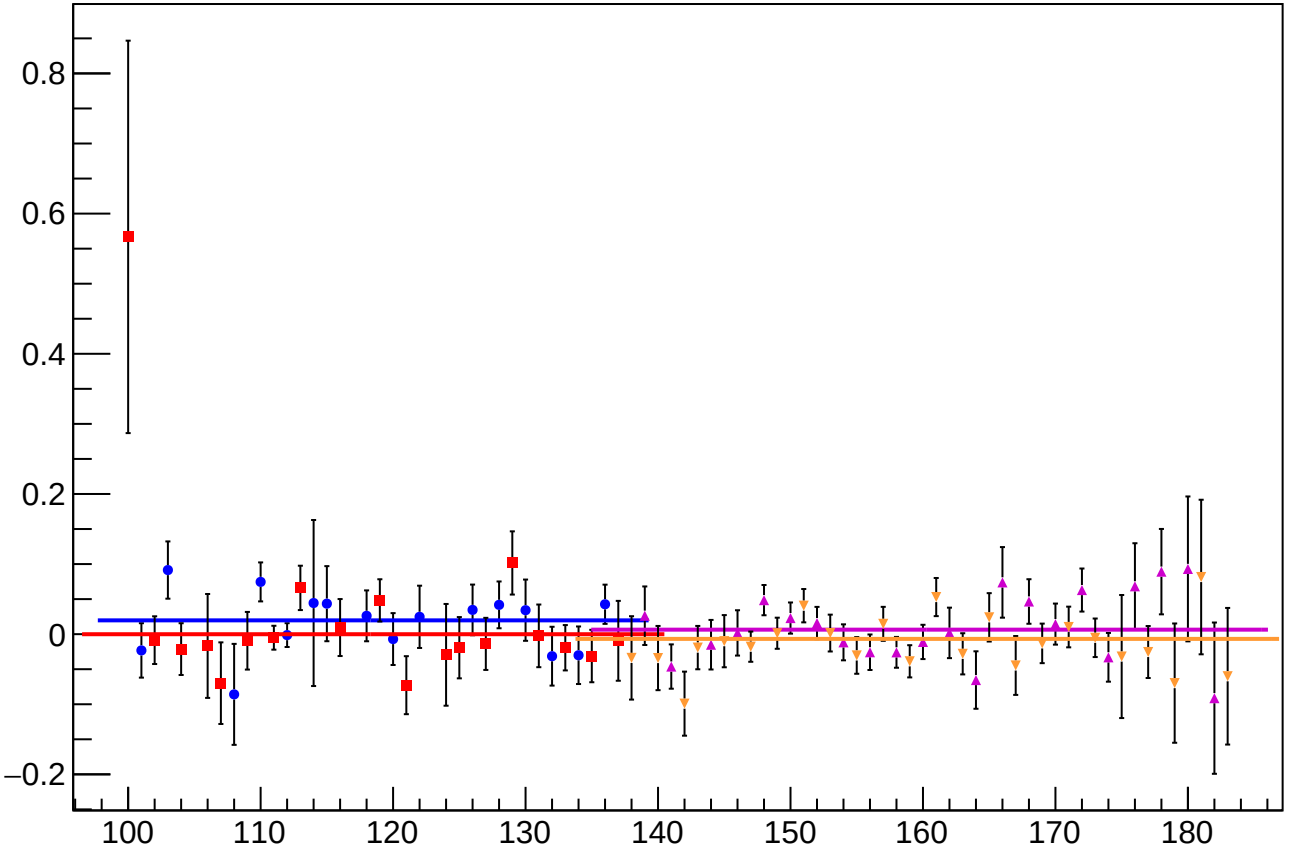
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1950869.0/37

Out: 0.002+/-0.000 χ^2/NDF:2696515.3/42

All: 0.002+/-0.000 χ^2/NDF: 4667477.3/80

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:22.0/23

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:28.3/21

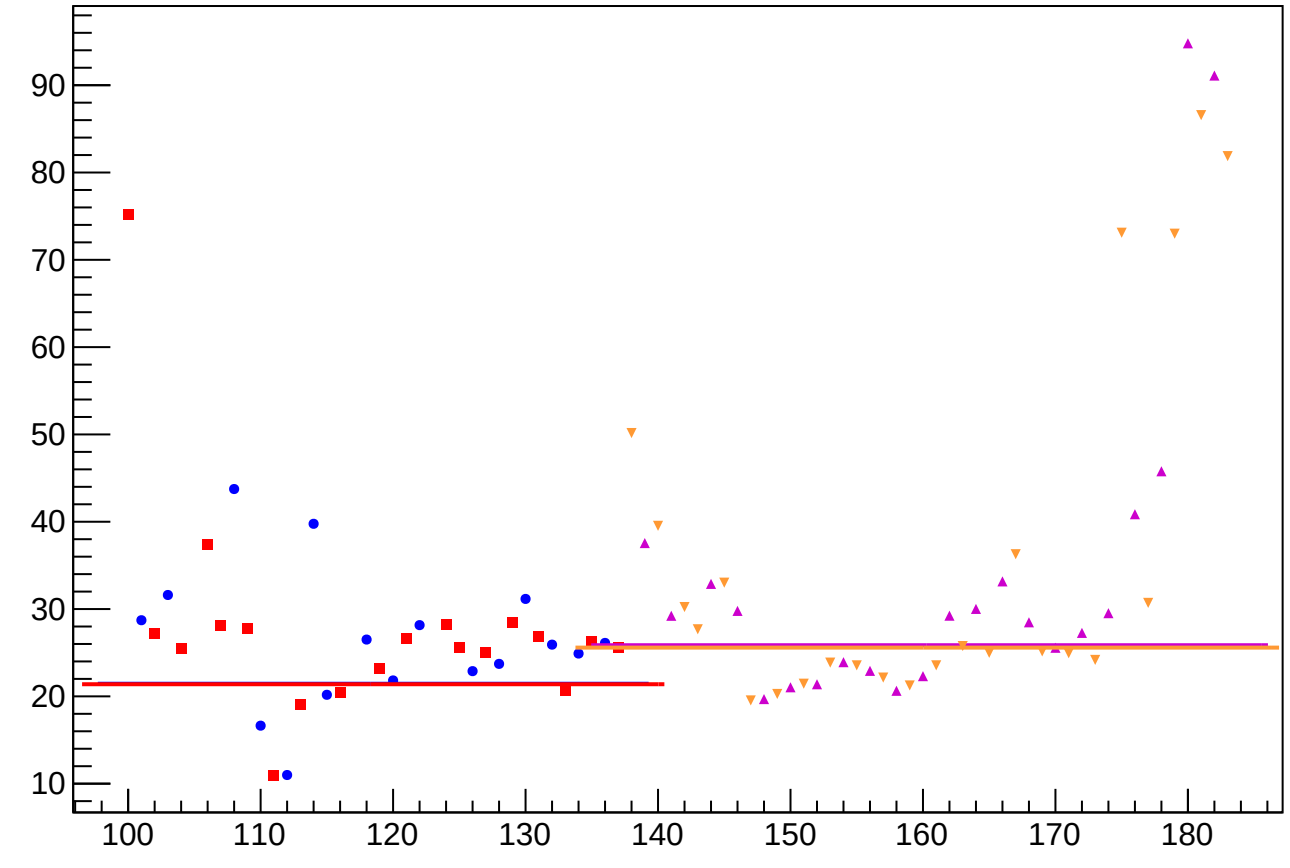
Left: -0.000+/-0.005 χ^2/NDF: 52.4/45

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:45.2/42

All: 0.003+/-0.004 χ^2/NDF: 96.6/80



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.583+/-0.005 χ^2/NDF:3773612.3/23

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: 25.715+/-0.003 χ^2/NDF: 6664250.3/45

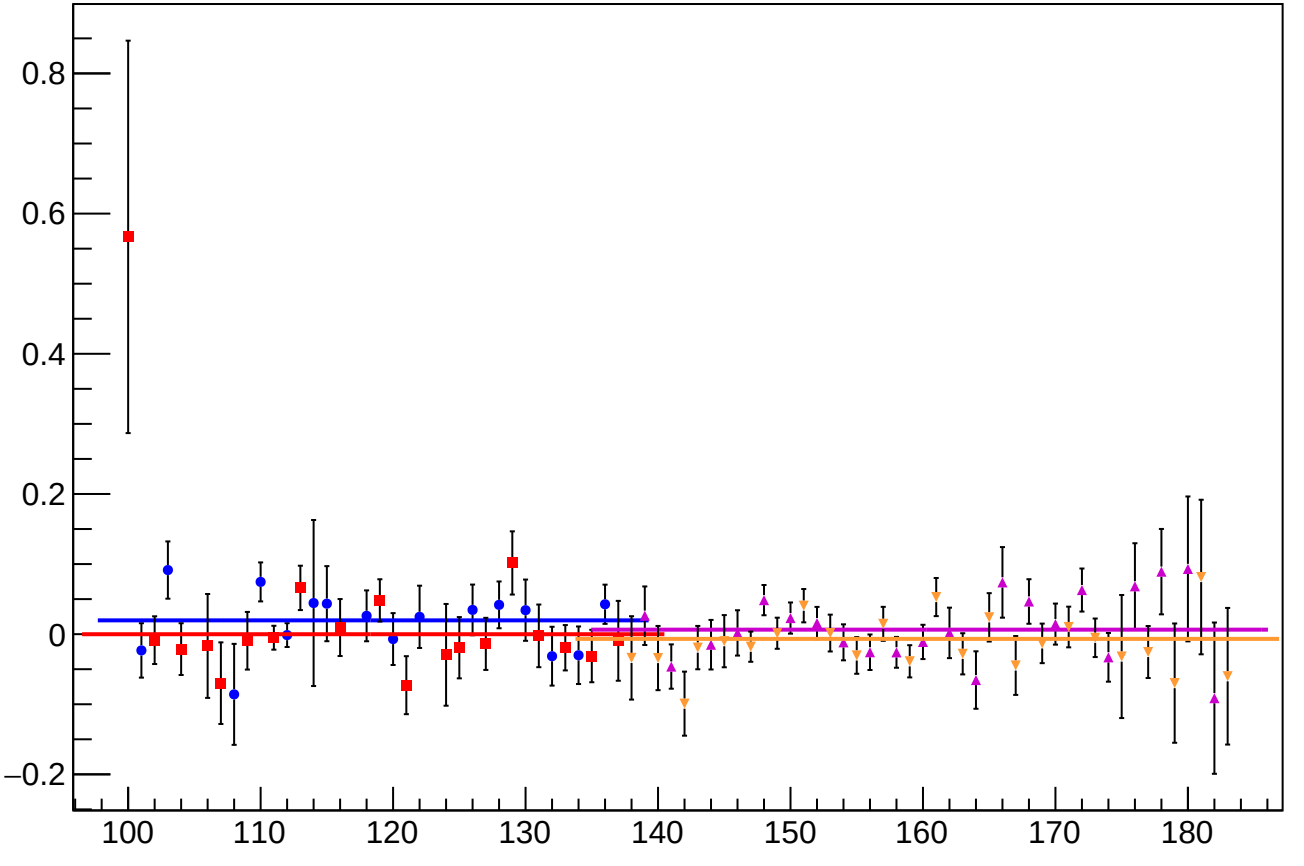
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 24.230+/-0.004 χ^2/NDF:4755957.4/37

Out: 24.064+/-0.004 χ^2/NDF:5395794.3/42

All: 24.145+/-0.003 χ^2/NDF: 10152780.2/80

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:22.0/23

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: 52.4/45

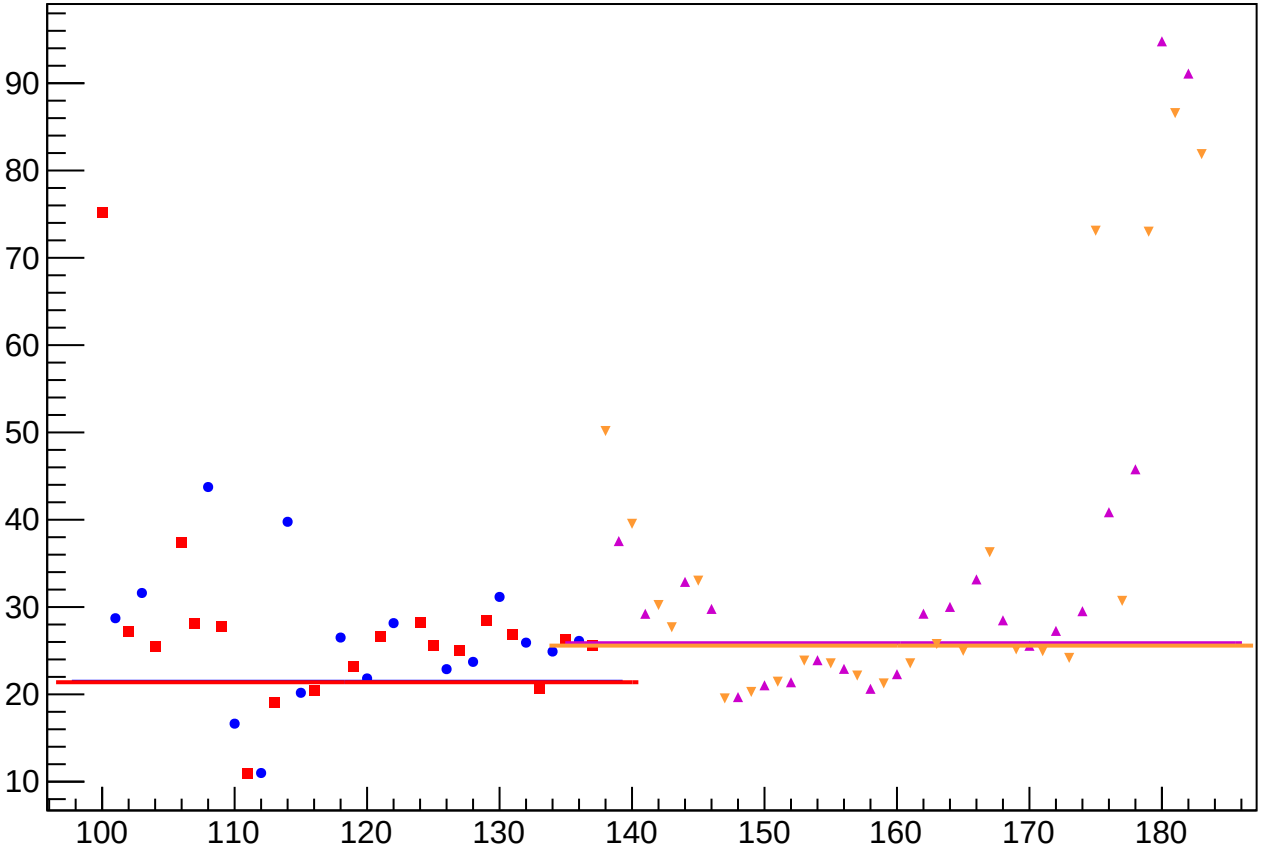
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:46.8/37

Out: -0.004+/-0.005 χ^2/NDF:45.2/42

All: 0.003+/-0.004 χ^2/NDF: 96.6/80

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.583+/-0.005 χ^2/NDF:3773612.3/23

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.857+/-0.005 χ^2/NDF:2888879.2/21

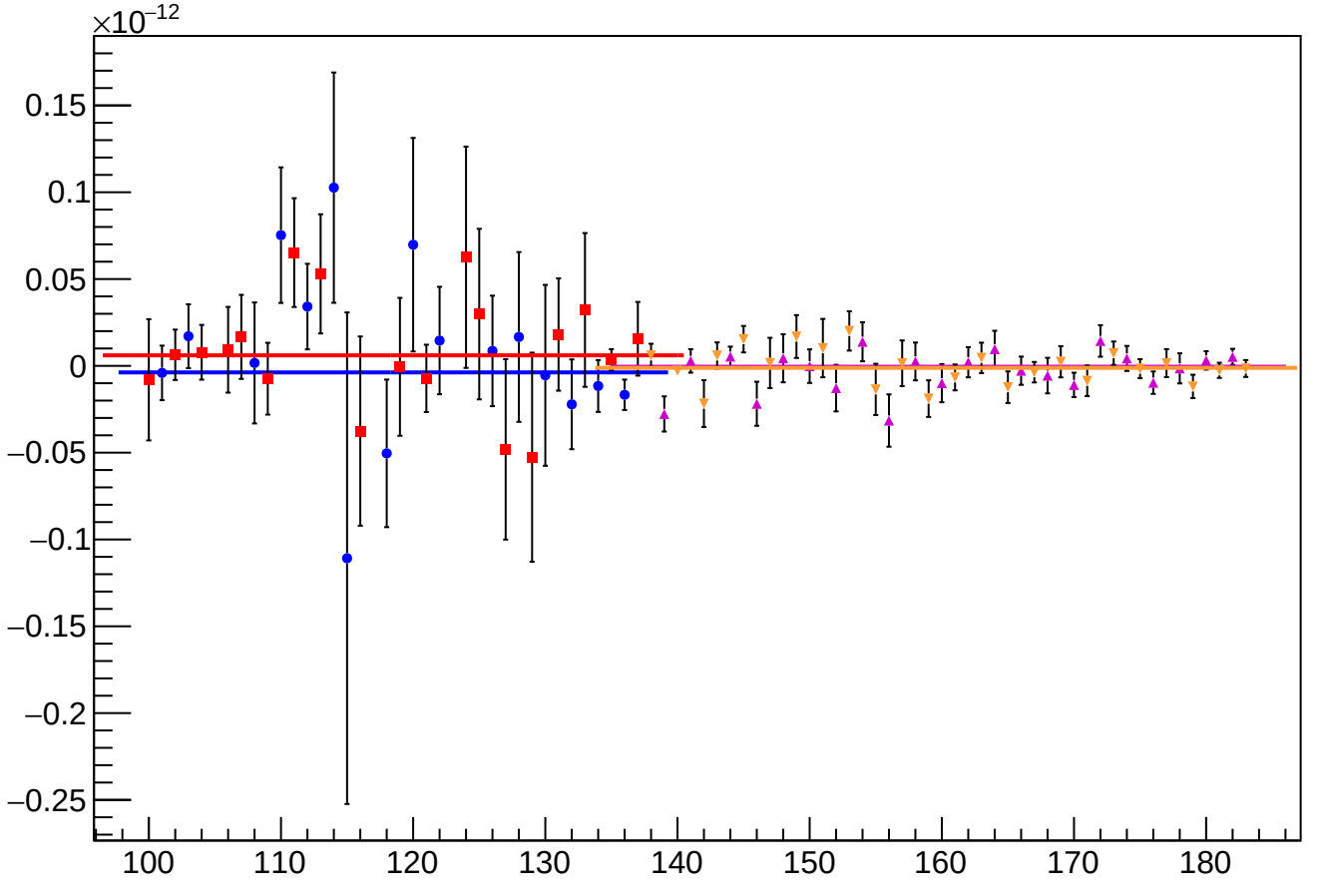
Left: 25.715+/-0.003 χ^2/NDF: 6664250.3/45

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 24.230+/-0.004 χ^2/NDF:4755957.4/37

Out: 24.064+/-0.004 χ^2/NDF:5395794.3/42

All: 24.145+/-0.003 χ^2/NDF: 10152780.2/80



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:29.7/21

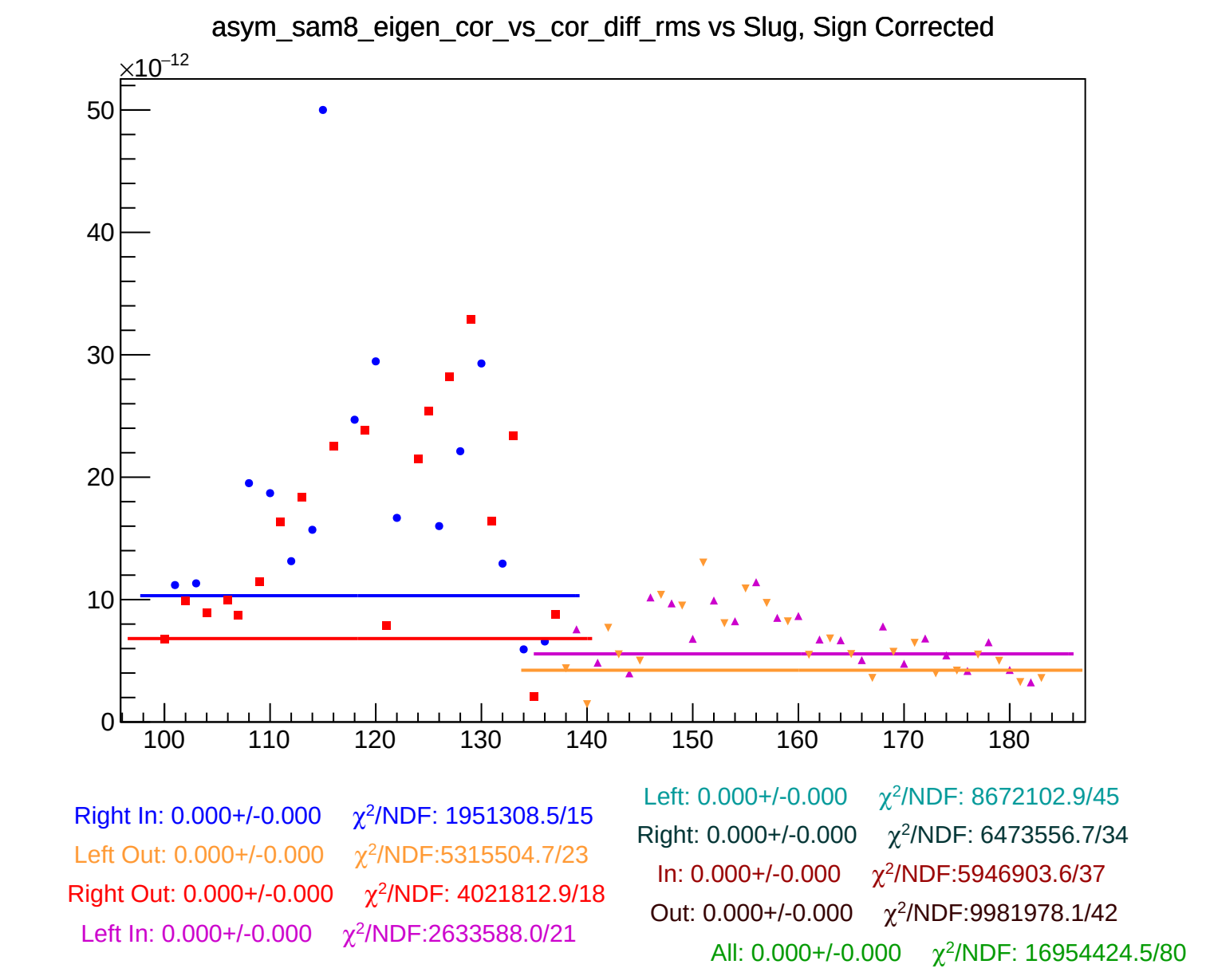
Left: -0.000+/-0.000 χ^2/NDF: 56.7/45

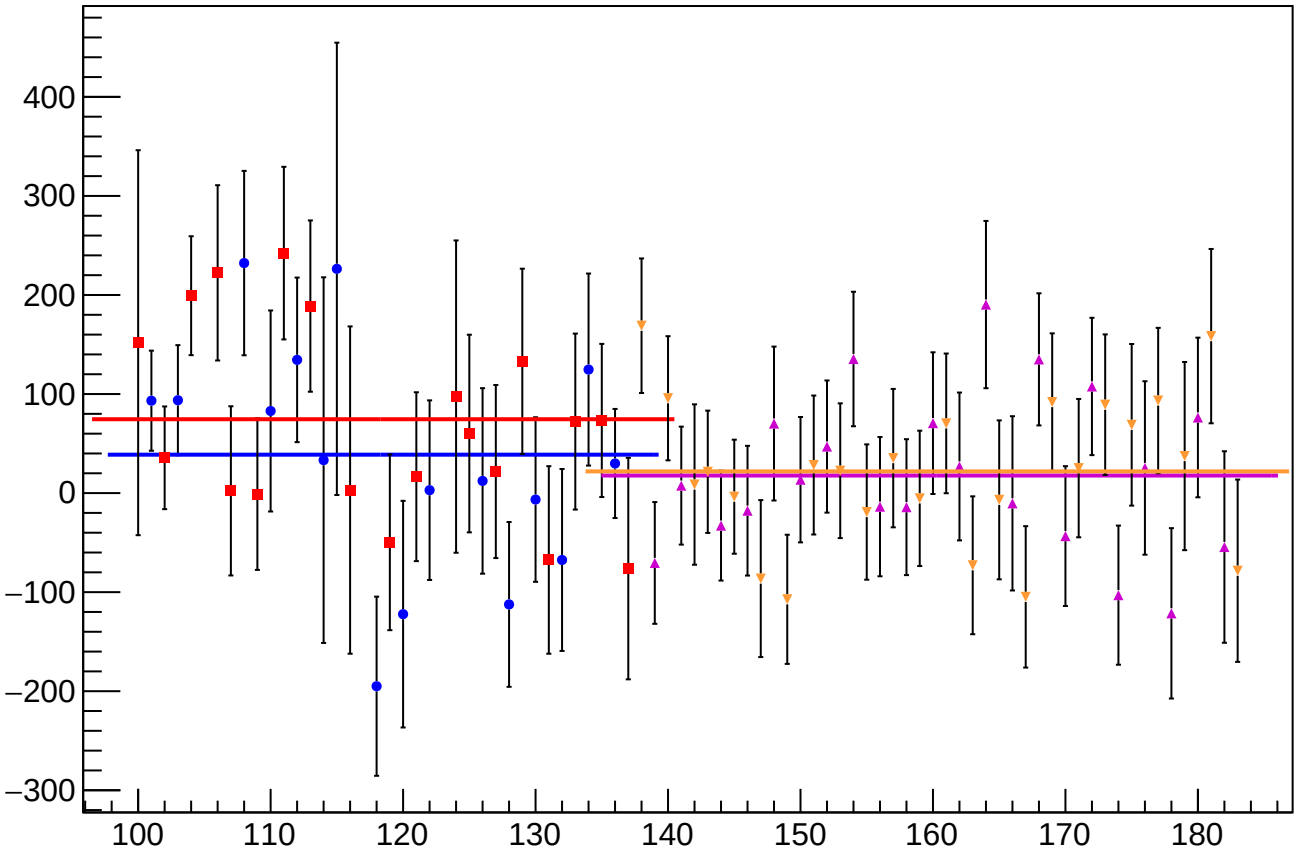
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:47.2/37

Out: -0.000+/-0.000 χ^2/NDF:40.8/42

All: -0.000+/-0.000 χ^2/NDF: 88.0/80


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:5315504.7/23
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: 8672102.9/45
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:9981978.1/42
All: 0.000+/-0.000 χ²/NDF: 16954424.5/80



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 21.930+/-14.586 χ^2/NDF:25.1/23

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 17.742+/-15.103 χ^2/NDF:24.3/21

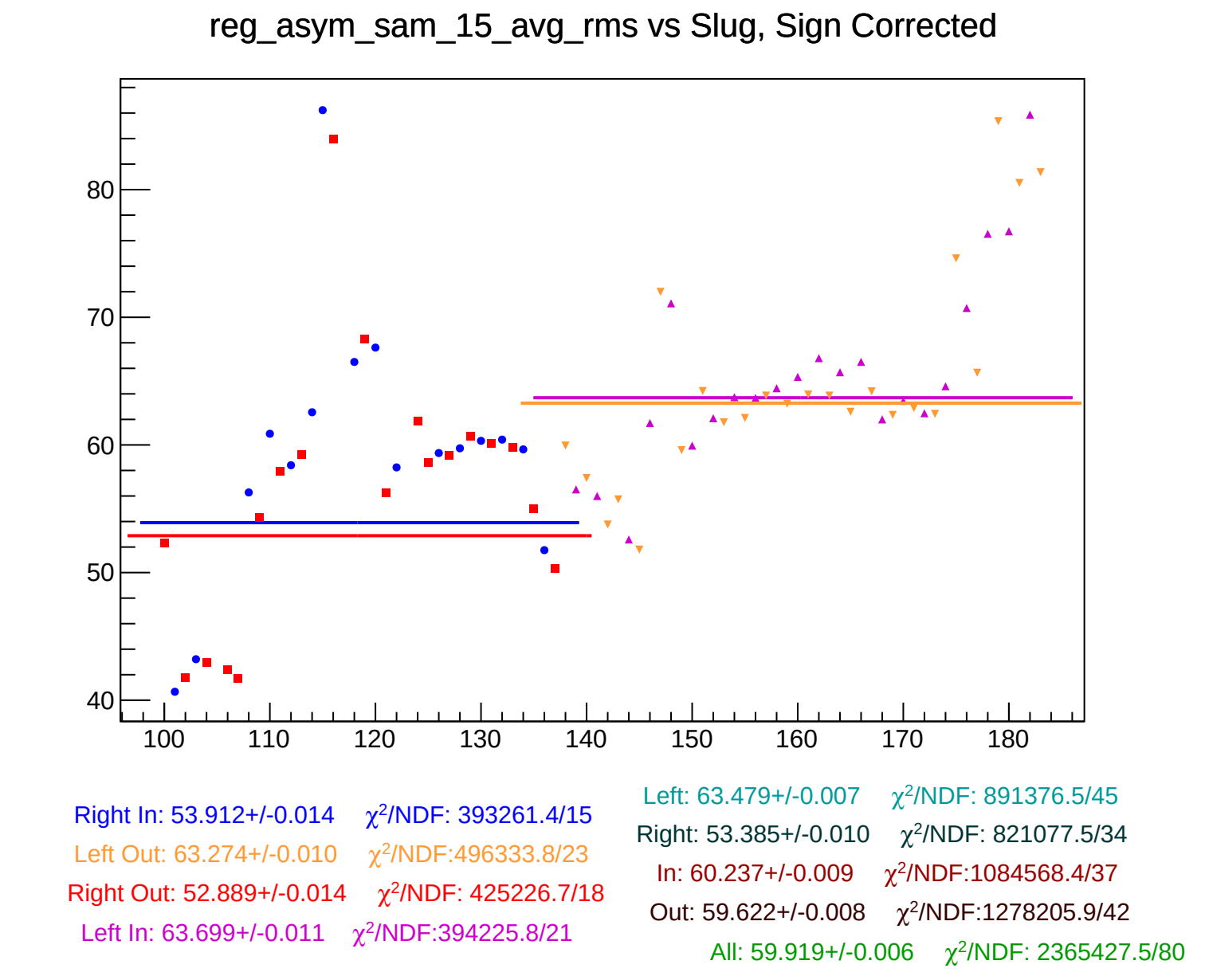
Left: 19.909+/-10.492 χ^2/NDF: 49.4/45

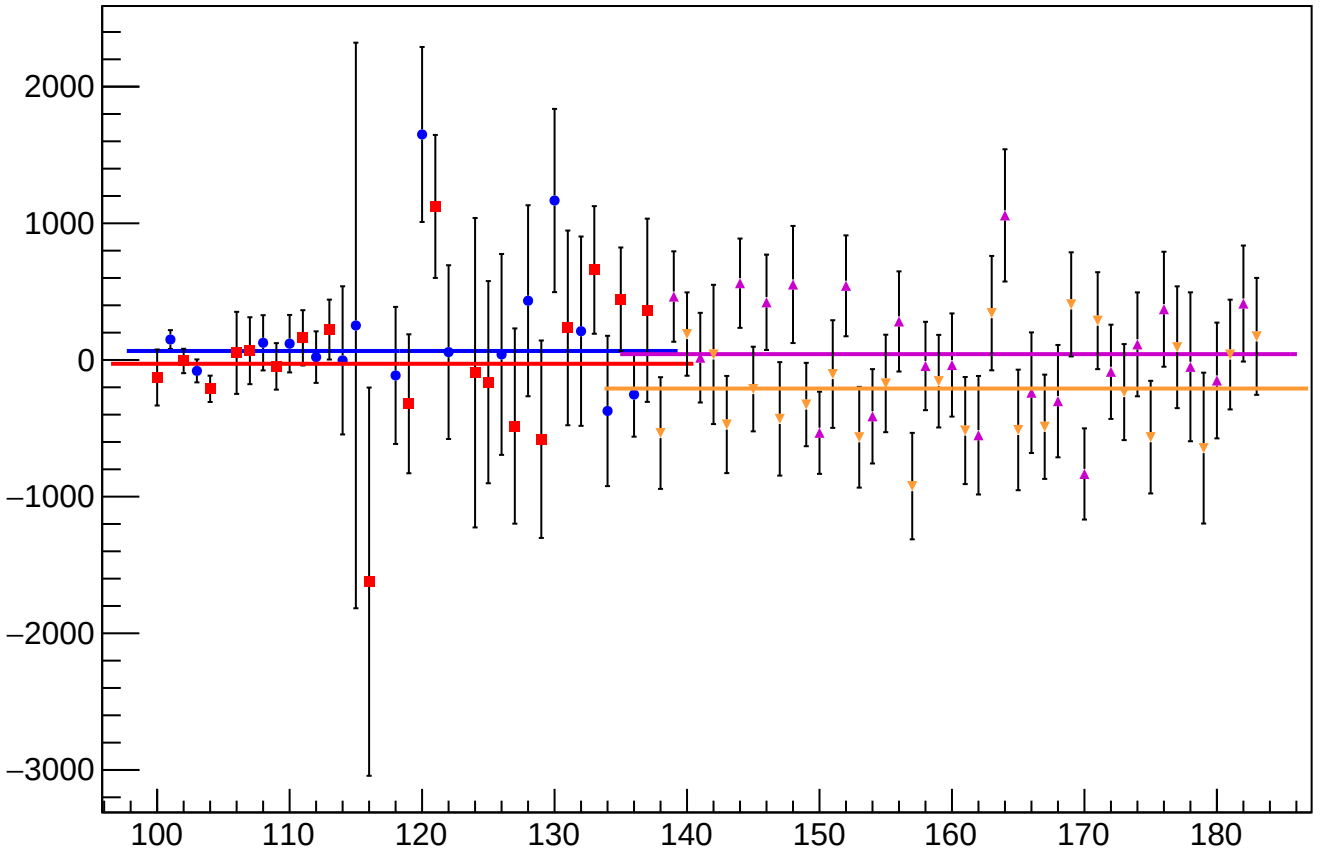
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 25.185+/-12.141 χ^2/NDF:48.3/37

Out: 40.448+/-11.744 χ^2/NDF:52.1/42

All: 33.070+/-8.441 χ^2/NDF: 101.3/80


reg_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
50
40
100
110
120
130
140
150
160
170
180
Right In: 53.912+/-0.014 χ²/NDF: 393261.4/15
Left Out: 63.274+/-0.010 χ²/NDF:496333.8/23
Right Out: 52.889+/-0.014 χ²/NDF: 425226.7/18
Left In: 63.699+/-0.011 χ²/NDF:394225.8/21
Left: 63.479+/-0.007 χ²/NDF: 891376.5/45
Right: 53.385+/-0.010 χ²/NDF: 821077.5/34
In: 60.237+/-0.009 χ²/NDF:1084568.4/37
Out: 59.622+/-0.008 χ²/NDF:1278205.9/42
All: 59.919+/-0.006 χ²/NDF: 2365427.5/80



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -208.894+/-77.731 χ^2/NDF:18.9/23

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: -86.264+/-55.652 χ^2/NDF: 54.6/45

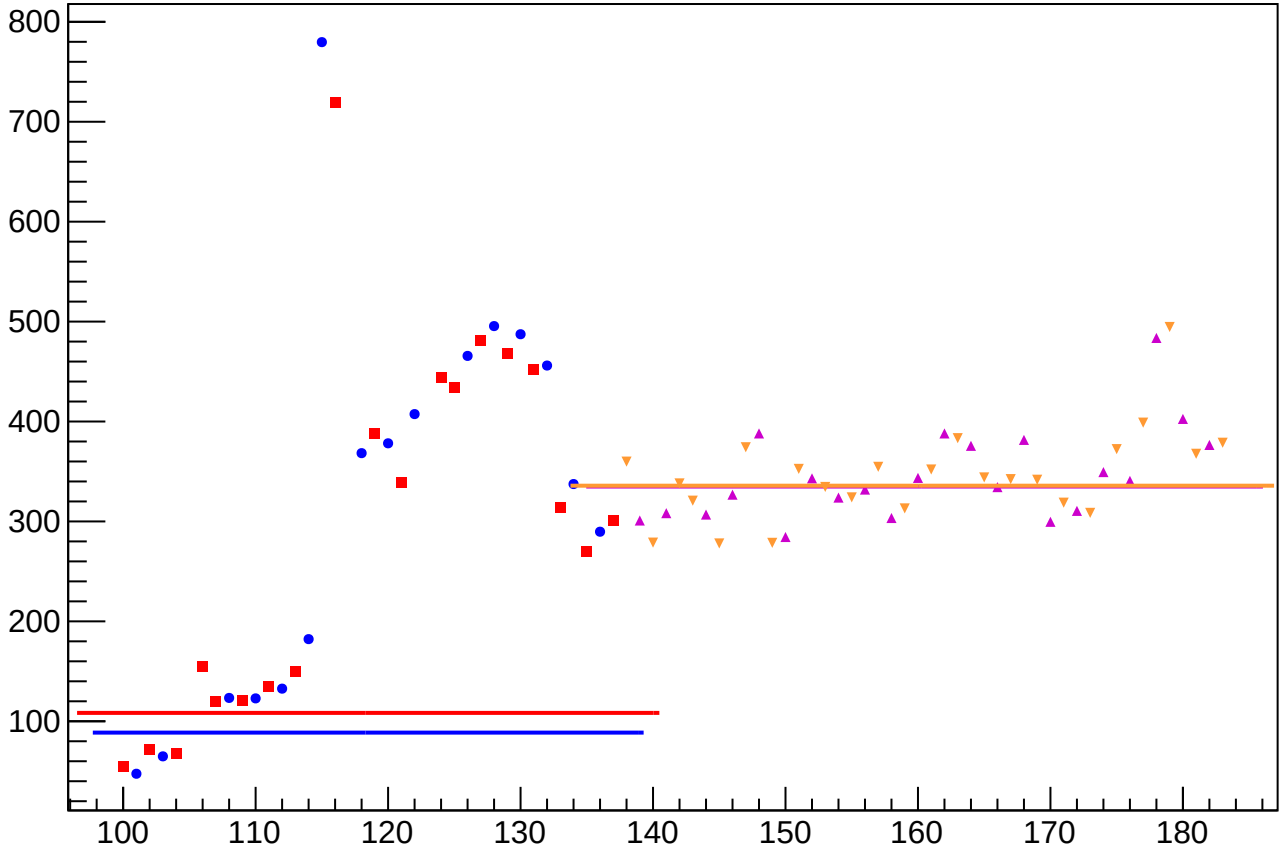
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 59.980+/-40.152 χ^2/NDF:46.4/37

Out: -81.272+/-42.224 χ^2/NDF:40.7/42

All: -7.095+/-29.097 χ^2/NDF: 93.0/80

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: 335.766+/-0.055 χ^2/NDF:558869.0/23

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 334.903+/-0.056 χ^2/NDF:485463.1/21

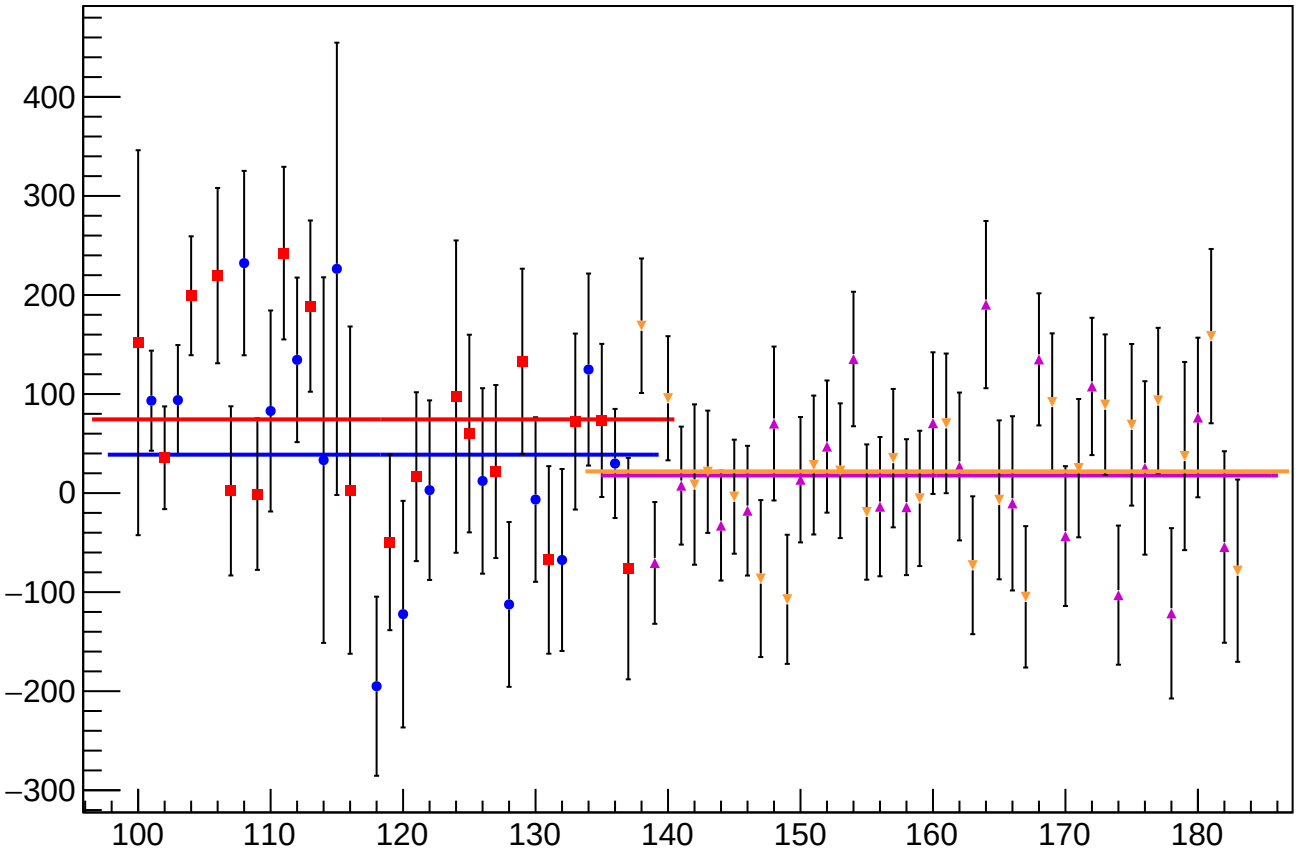
Left: 335.345+/-0.039 χ^2/NDF: 1044452.5/45

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 151.133+/-0.028 χ^2/NDF:21376436.3/37

Out: 175.481+/-0.030 χ^2/NDF:17985695.1/42

All: 162.694+/-0.021 χ^2/NDF: 39711354.9/80



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 21.932+/-14.586 χ^2/NDF:25.1/23

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 17.742+/-15.103 χ^2/NDF:24.3/21

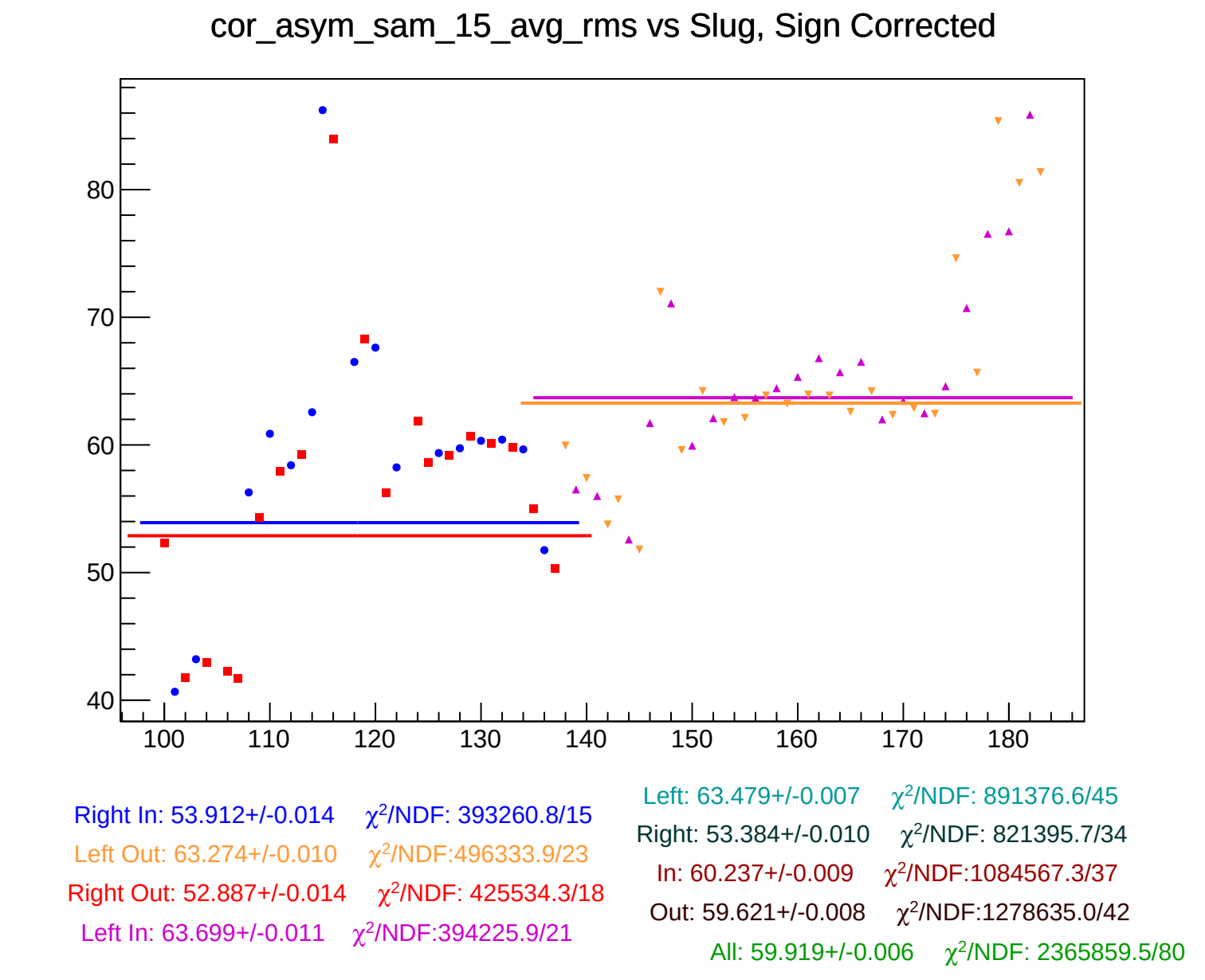
Left: 19.910+/-10.492 χ^2/NDF: 49.4/45

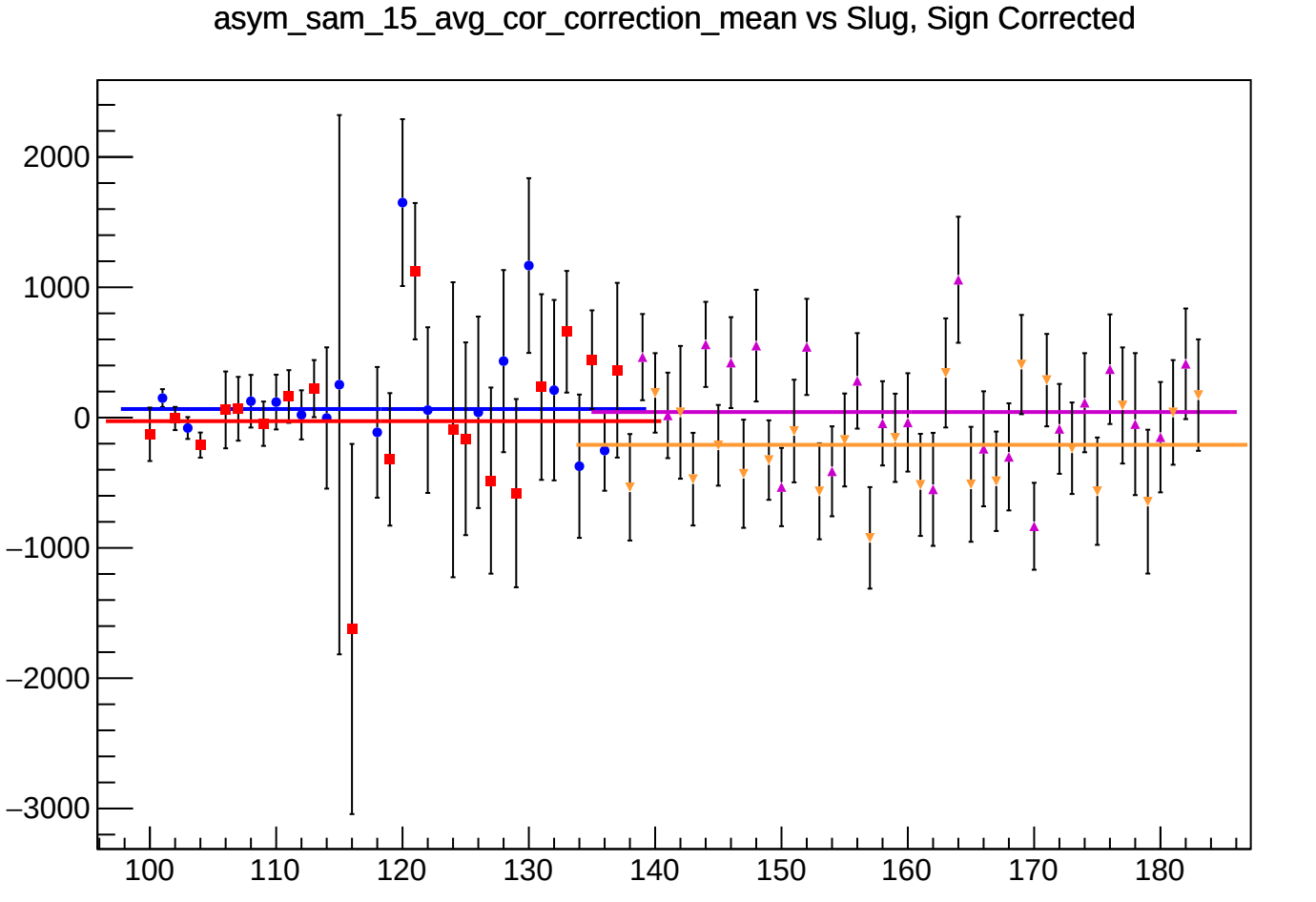
Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

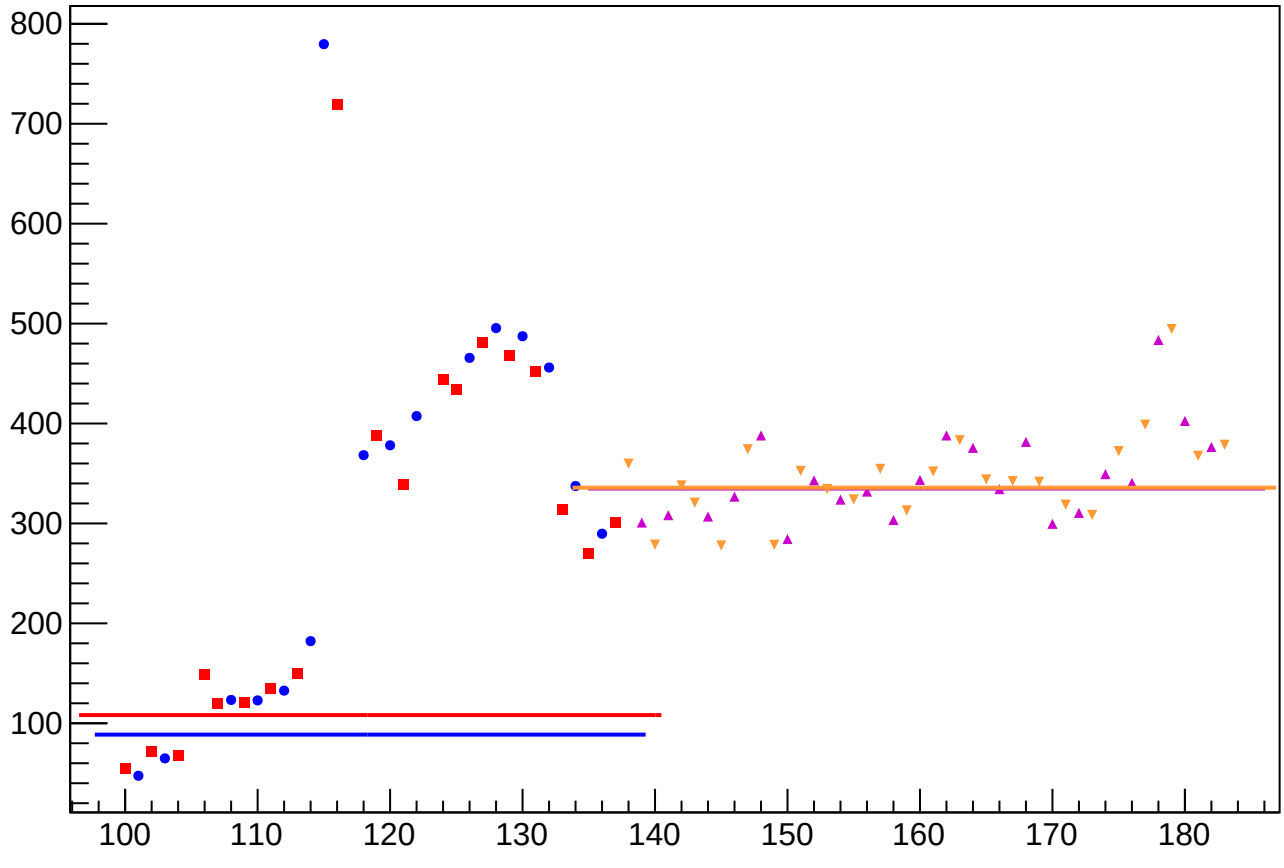
In: 25.189+/-12.141 χ^2/NDF:48.3/37

Out: 40.400+/-11.744 χ^2/NDF:52.0/42

All: 33.047+/-8.441 χ^2/NDF: 101.1/80


cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
50
40
100
110
120
130
140
150
160
170
180
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 63.274+/-0.010 χ²/NDF:496333.9/23
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 63.699+/-0.011 χ²/NDF:394225.9/21
Left: 63.479+/-0.007 χ²/NDF: 891376.6/45
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 60.237+/-0.009 χ²/NDF:1084567.3/37
Out: 59.621+/-0.008 χ²/NDF:1278635.0/42
All: 59.919+/-0.006 χ²/NDF: 2365859.5/80


asym_sam_15_avg_cor_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: 65.857+/-46.477 χ²/NDF: 15.7/15
Left Out: -208.890+/-77.731 χ²/NDF:18.9/23
Right Out: -27.406+/-50.249 χ²/NDF: 18.0/18
Left In: 42.700+/-79.714 χ²/NDF:30.6/21
Left: -86.264+/-55.652 χ²/NDF: 54.6/45
Right: 22.856+/-34.120 χ²/NDF: 35.6/34
In: 59.982+/-40.151 χ²/NDF:46.4/37
Out: -80.894+/-42.199 χ²/NDF:40.8/42
All: -6.955+/-29.088 χ²/NDF: 93.0/80



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 335.766+/-0.055 χ^2/NDF:558865.6/23

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 334.902+/-0.056 χ^2/NDF:485468.8/21

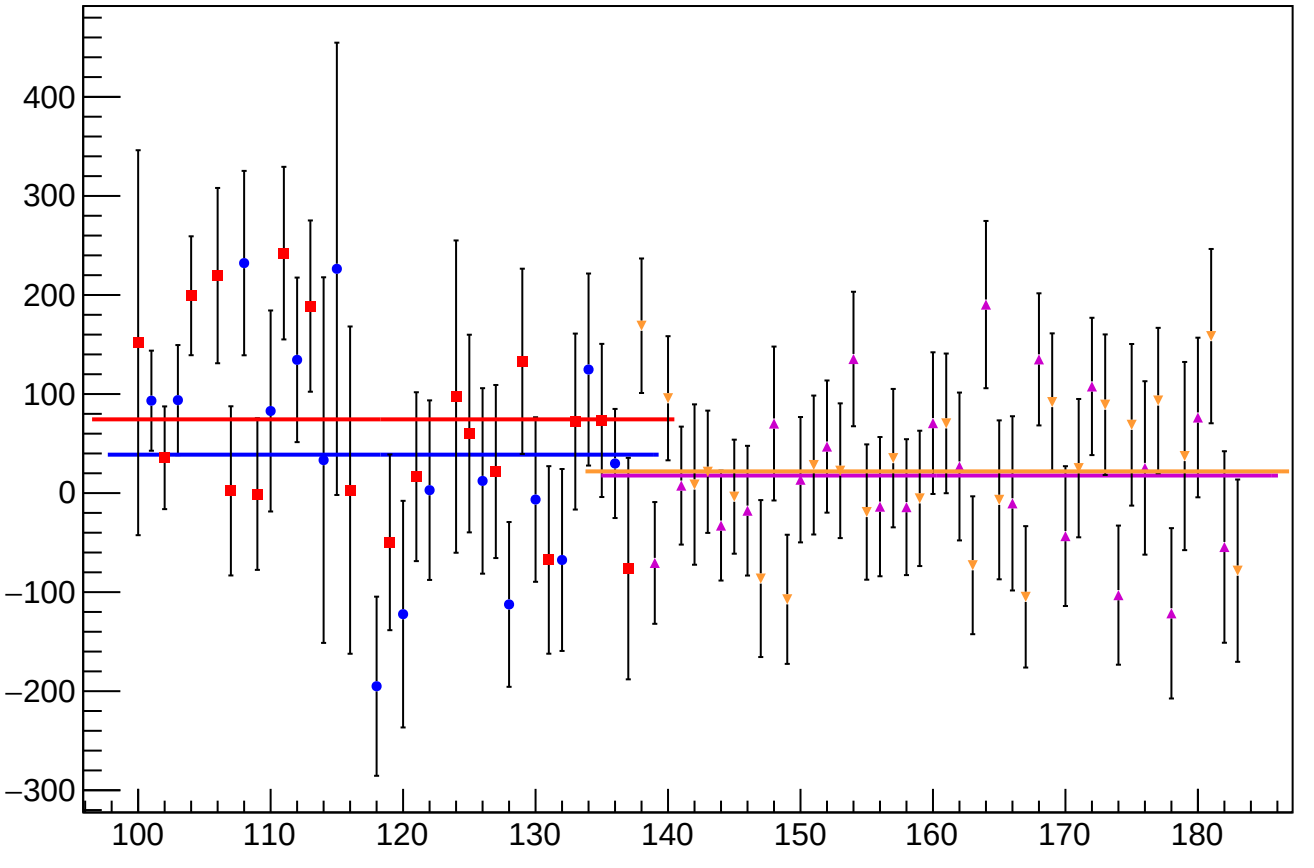
Left: 335.345+/-0.039 χ^2/NDF: 1044454.8/45

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 151.129+/-0.028 χ^2/NDF:21376961.2/37

Out: 175.274+/-0.030 χ^2/NDF:18002742.2/42

All: 162.601+/-0.021 χ^2/NDF: 39723365.9/80



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 21.932+/-14.586 χ^2/NDF:25.1/23

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 17.742+/-15.103 χ^2/NDF:24.3/21

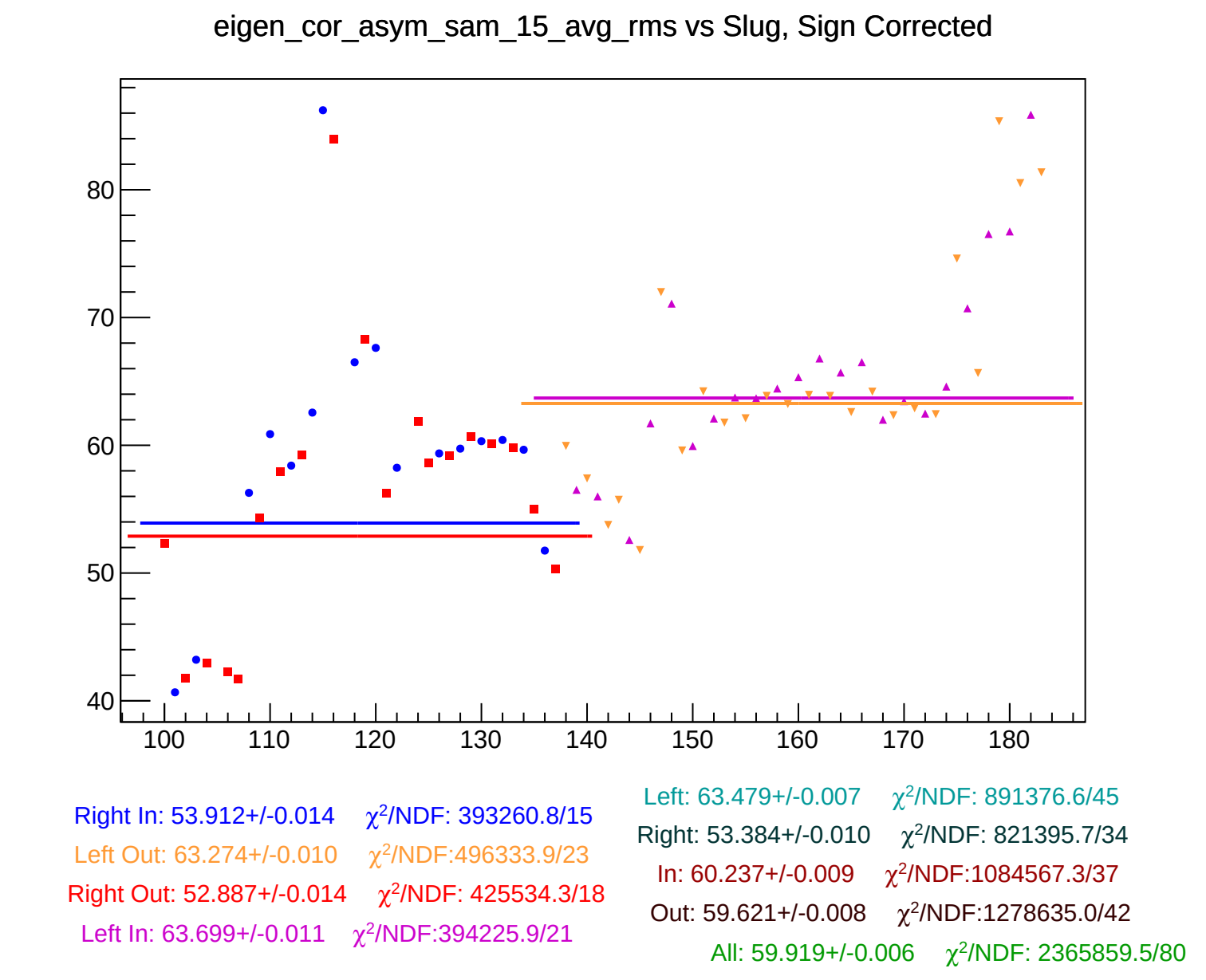
Left: 19.910+/-10.492 χ^2/NDF: 49.4/45

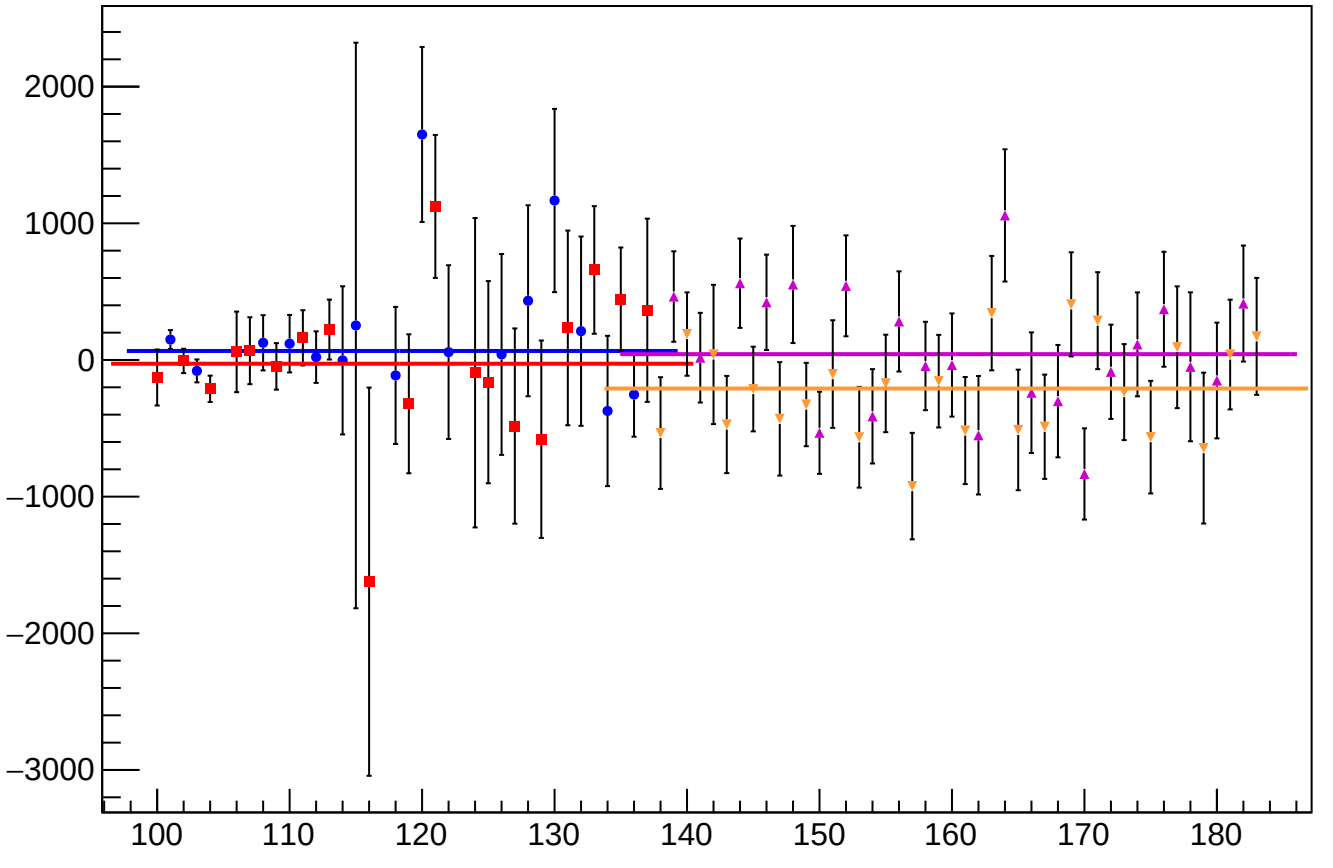
Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 25.189+/-12.141 χ^2/NDF:48.3/37

Out: 40.400+/-11.744 χ^2/NDF:52.0/42

All: 33.047+/-8.441 χ^2/NDF: 101.1/80


eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
50
40
100
110
120
130
140
150
160
170
180
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 63.274+/-0.010 χ²/NDF:496333.9/23
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 63.699+/-0.011 χ²/NDF:394225.9/21
Left: 63.479+/-0.007 χ²/NDF: 891376.6/45
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 60.237+/-0.009 χ²/NDF:1084567.3/37
Out: 59.621+/-0.008 χ²/NDF:1278635.0/42
All: 59.919+/-0.006 χ²/NDF: 2365859.5/80



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -208.890+/-77.731 χ^2/NDF:18.9/23

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: -86.264+/-55.652 χ^2/NDF: 54.6/45

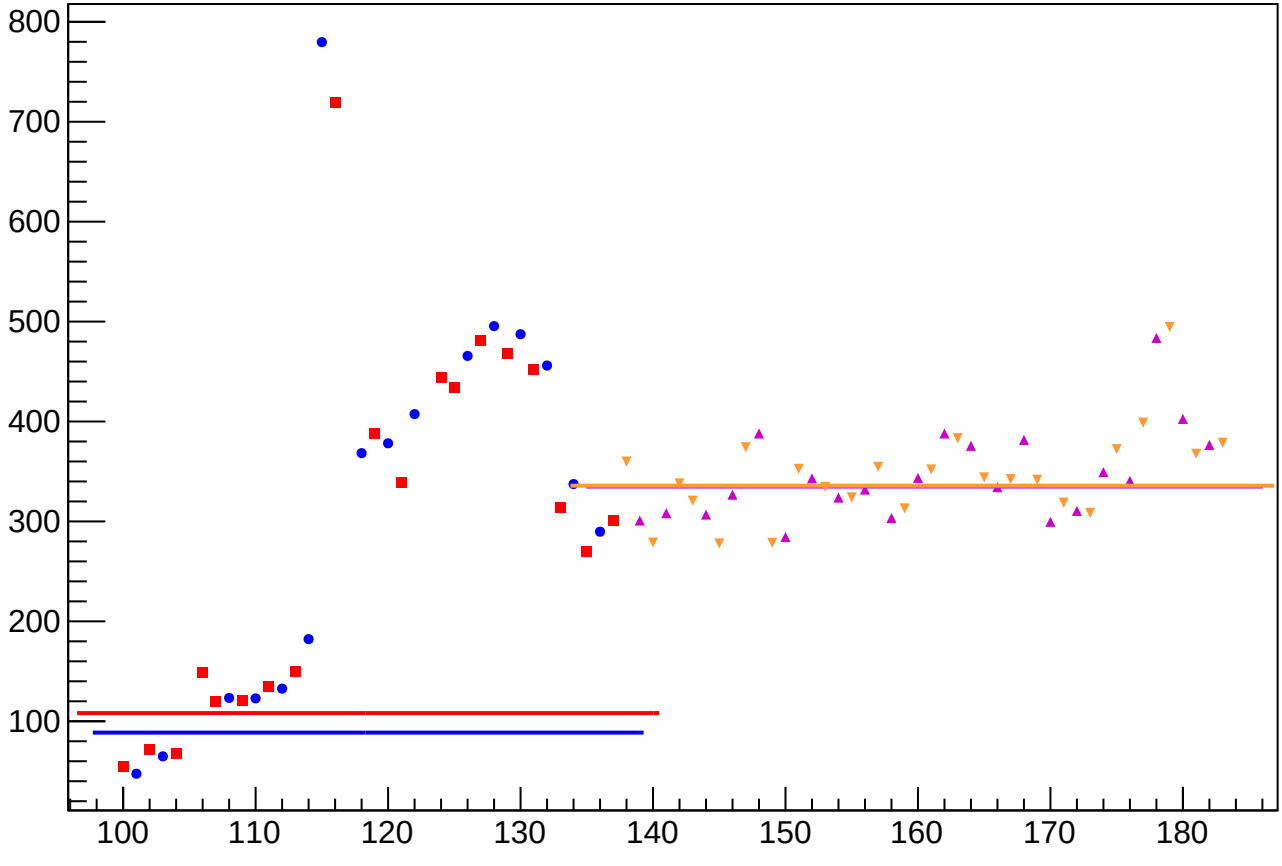
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 59.982+/-40.151 χ^2/NDF:46.4/37

Out: -80.894+/-42.199 χ^2/NDF:40.8/42

All: -6.955+/-29.088 χ^2/NDF: 93.0/80

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: 335.766+/-0.055 χ^2/NDF:558865.6/23

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 334.902+/-0.056 χ^2/NDF:485468.8/21

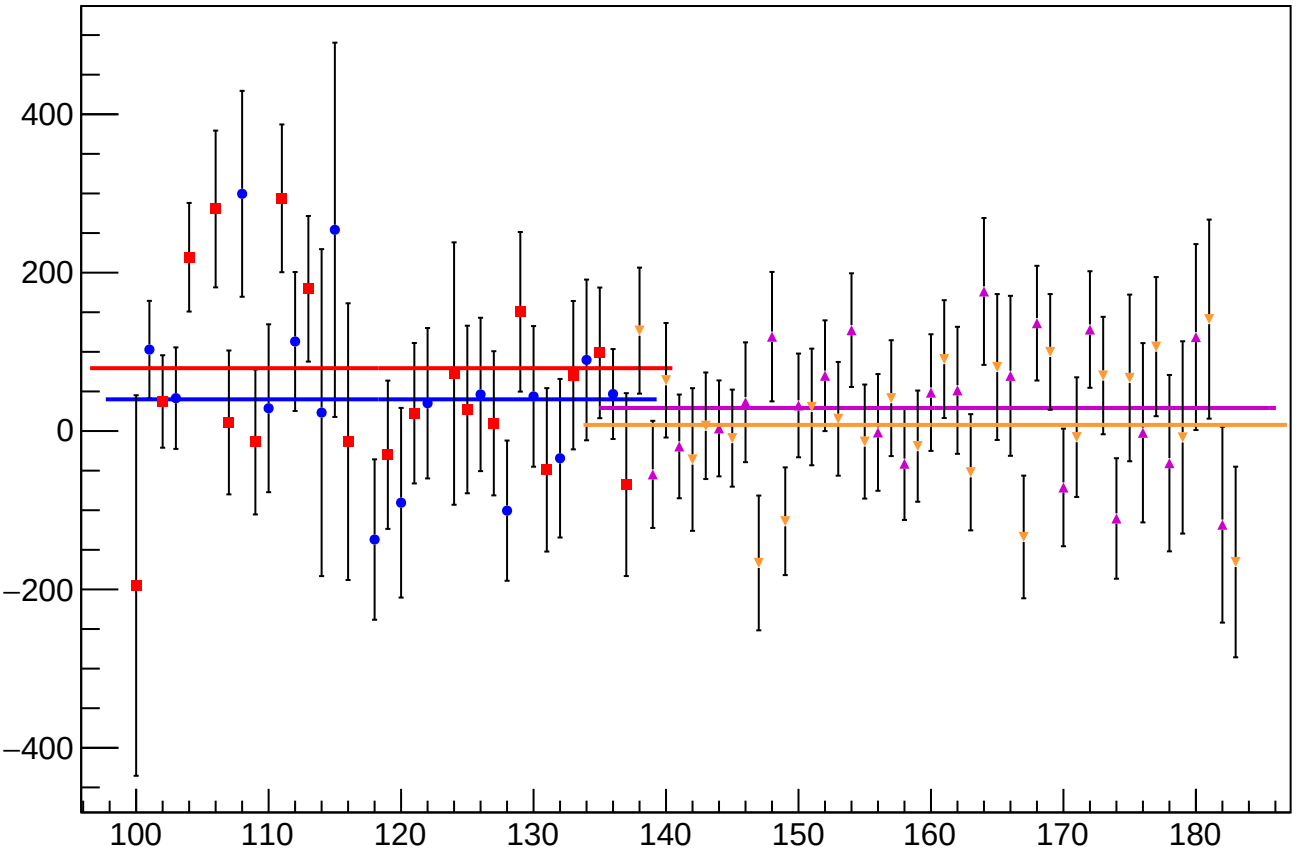
Left: 335.345+/-0.039 χ^2/NDF: 1044454.8/45

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 151.129+/-0.028 χ^2/NDF:21376961.2/37

Out: 175.274+/-0.030 χ^2/NDF:18002742.2/42

All: 162.601+/-0.021 χ^2/NDF: 39723365.9/80



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 7.757+/-16.033 χ^2/NDF:24.1/23

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 29.116+/-16.568 χ^2/NDF:21.3/21

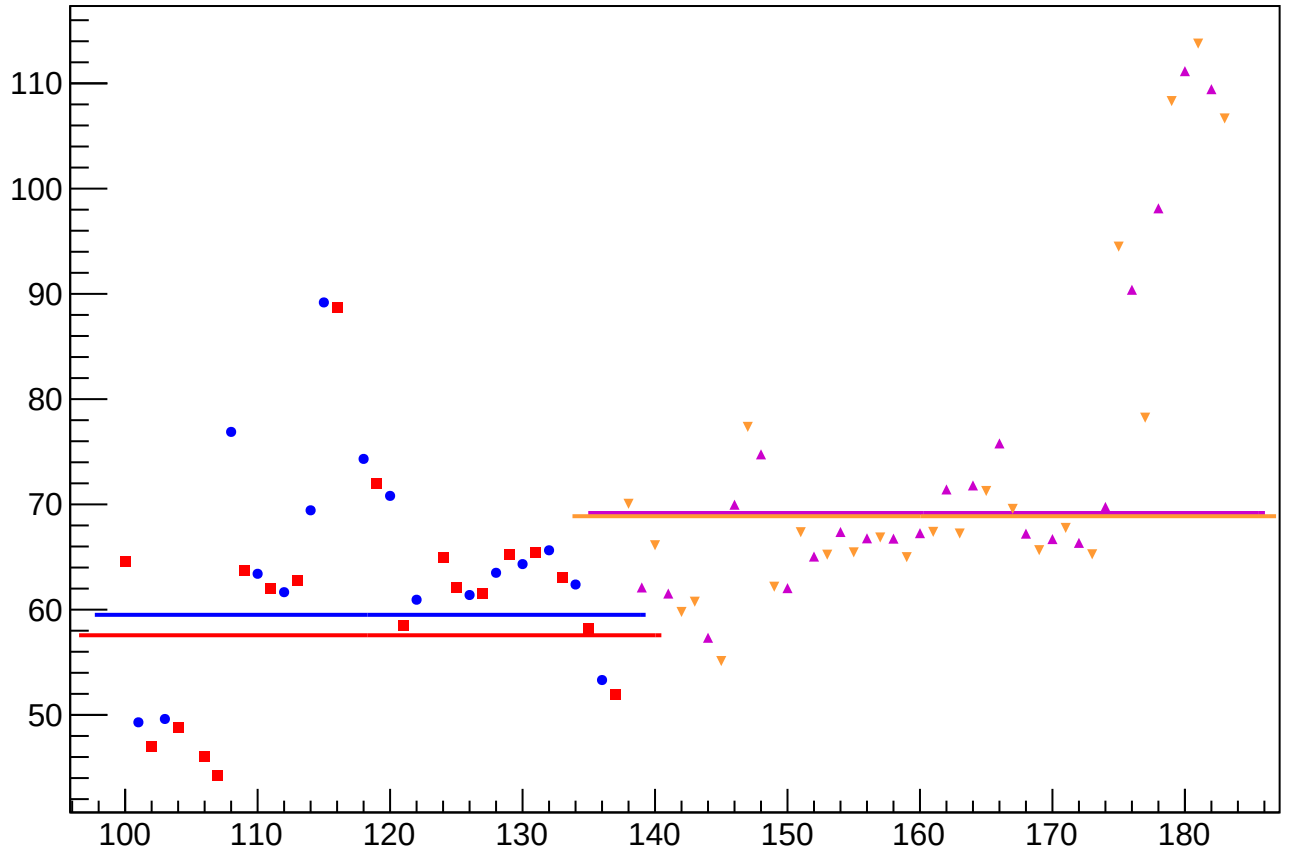
Left: 18.085+/-11.521 χ^2/NDF: 46.3/45

Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 32.950+/-13.344 χ^2/NDF:35.6/37

Out: 33.234+/-12.869 χ^2/NDF:56.0/42

All: 33.097+/-9.263 χ^2/NDF: 91.7/80



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 68.878+/-0.011 χ^2/NDF:1028378.4/23

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 69.182+/-0.012 χ^2/NDF:864670.7/21

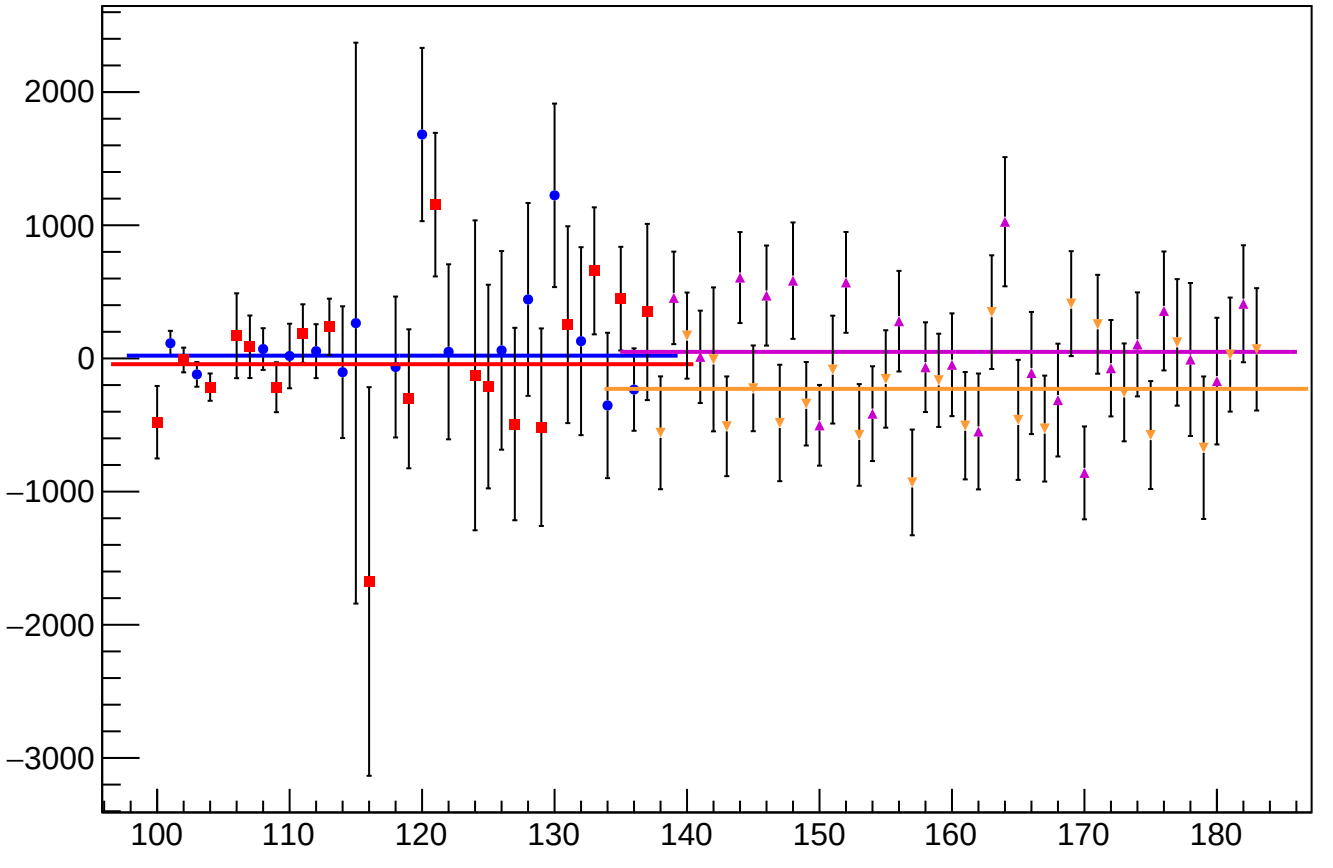
Left: 69.025+/-0.008 χ^2/NDF: 1893398.3/45

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 65.784+/-0.009 χ^2/NDF:1387371.0/37

Out: 64.854+/-0.009 χ^2/NDF:1729842.0/42

All: 65.302+/-0.007 χ^2/NDF: 3122244.2/80



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -228.459+/-80.607 χ^2/NDF:17.7/23

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 49.295+/-82.848 χ^2/NDF:29.4/21

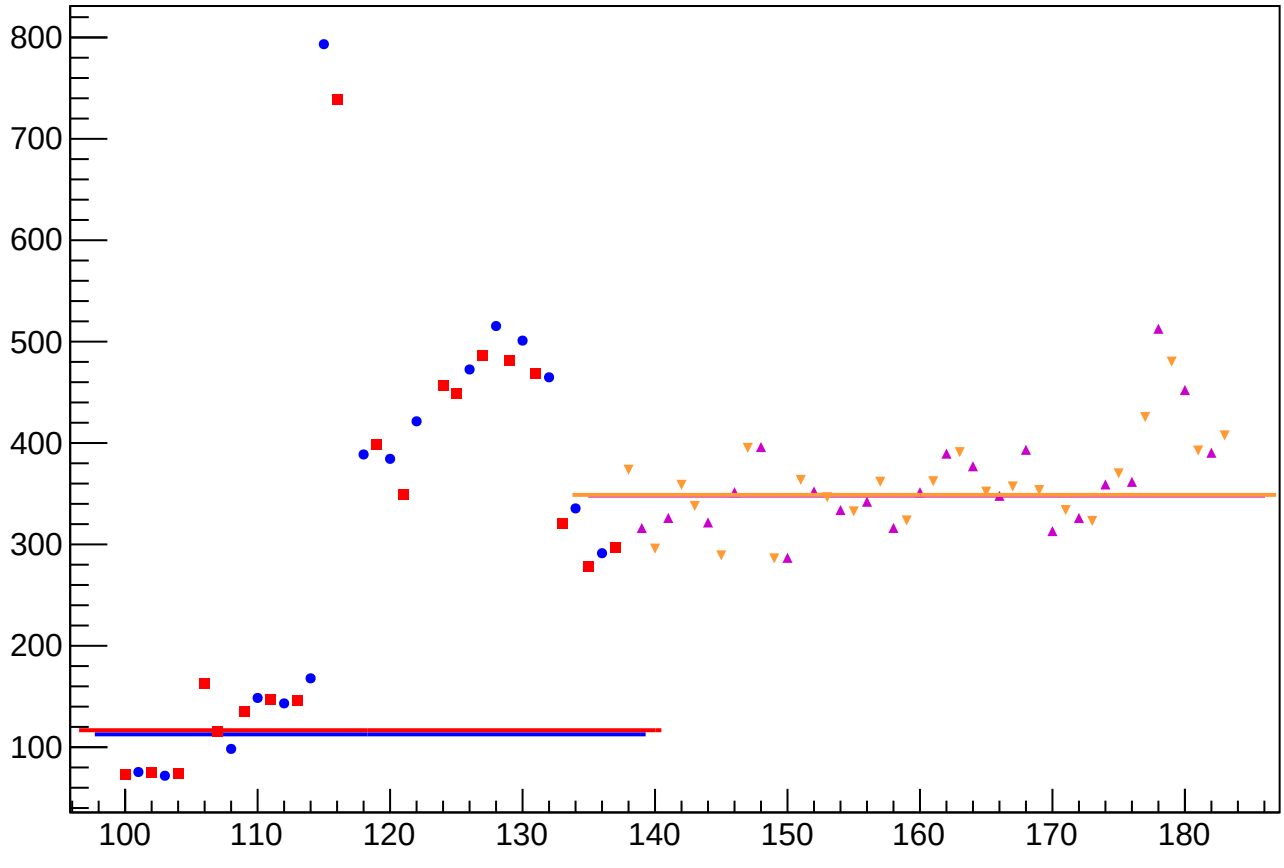
Left: -93.390+/-57.774 χ^2/NDF: 52.8/45

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 29.233+/-44.994 χ^2/NDF:44.1/37

Out: -99.470+/-44.407 χ^2/NDF:42.9/42

All: -35.963+/-31.606 χ^2/NDF: 91.1/80



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 348.850+/-0.057 χ^2/NDF:521266.6/23

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 348.167+/-0.059 χ^2/NDF:522587.3/21

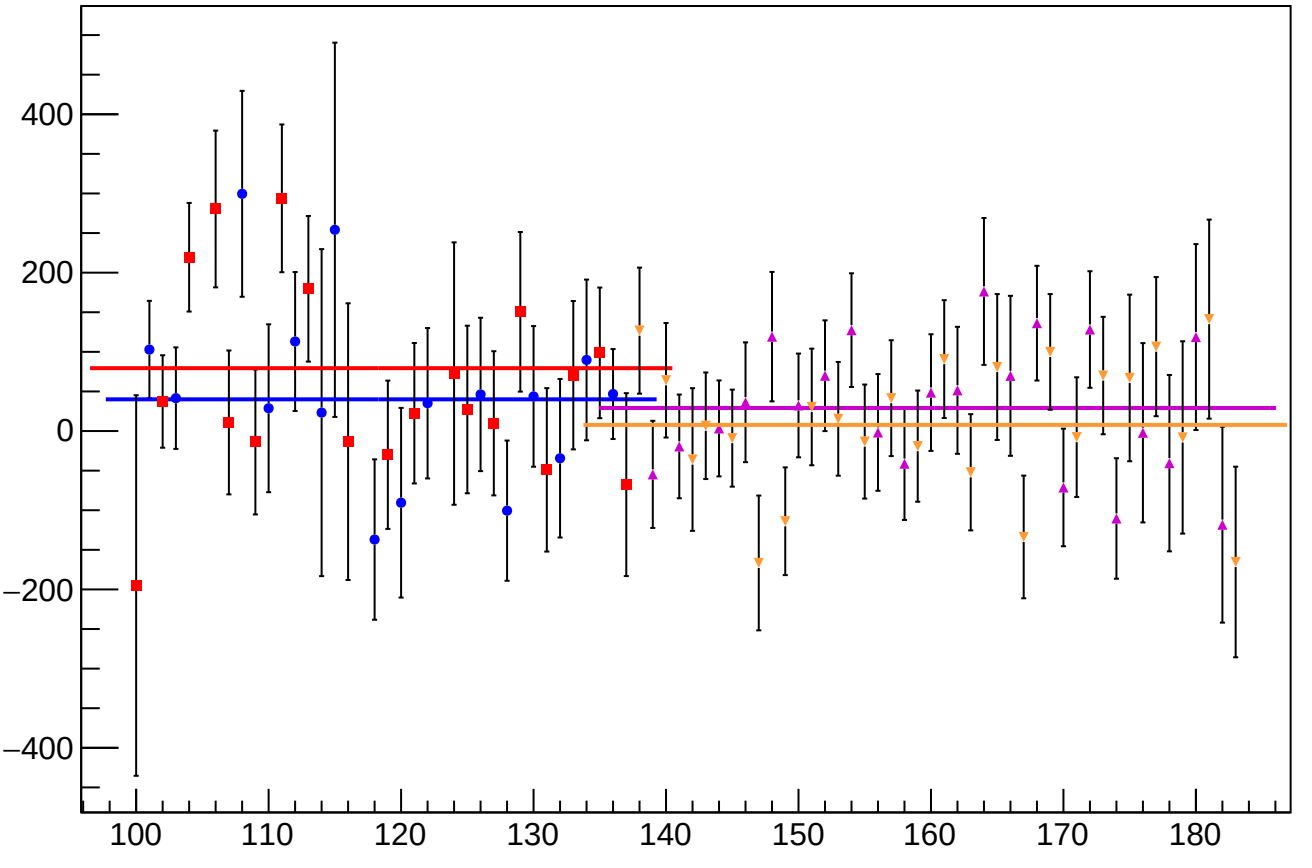
Left: 348.518+/-0.041 χ^2/NDF: 1043923.7/45

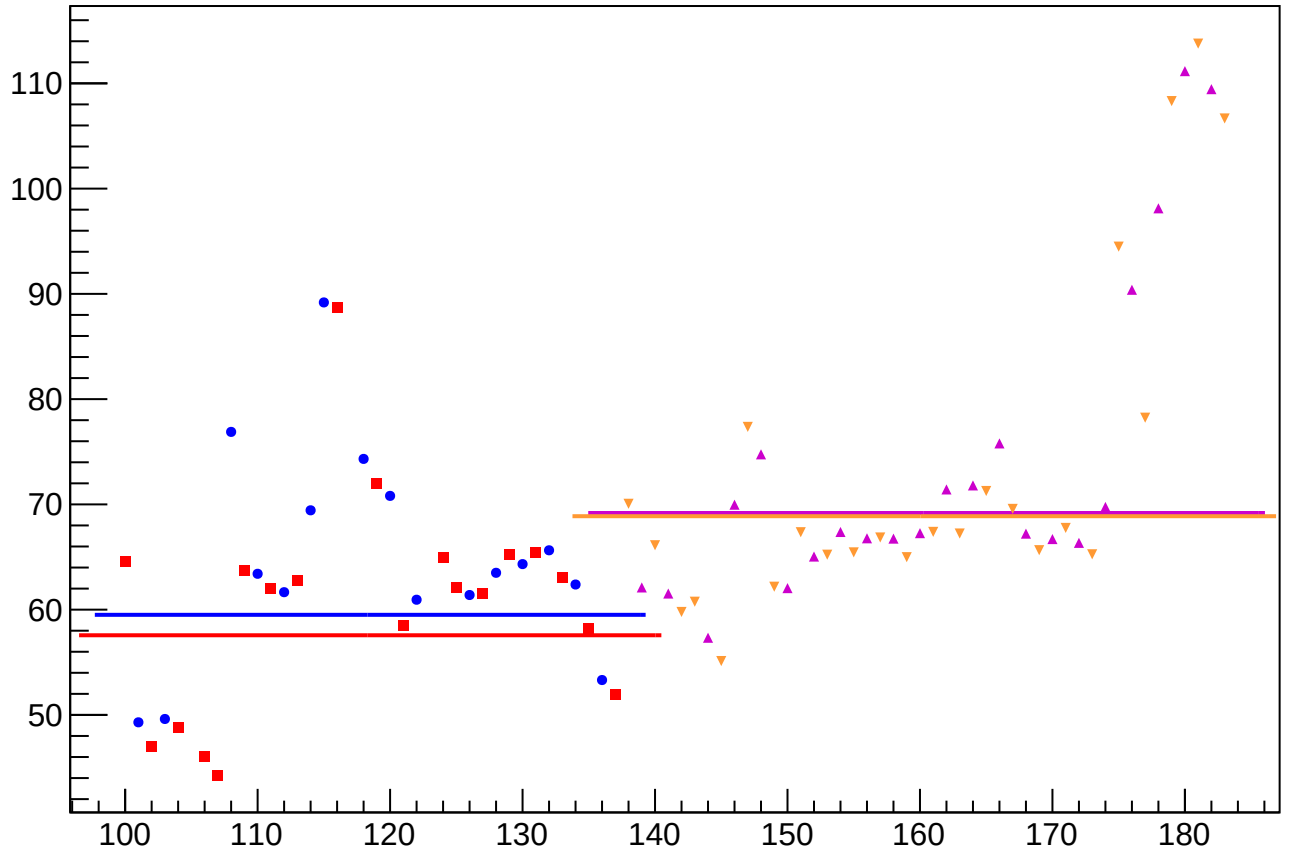
Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 182.128+/-0.032 χ^2/NDF:17515843.4/37

Out: 187.181+/-0.031 χ^2/NDF:17213582.7/42

All: 184.687+/-0.022 χ^2/NDF: 34742205.6/80


eigen_dit_asym_sam_15_avg_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
Right In: 40.030+/-22.515 χ²/NDF: 14.1/15
Left Out: 7.757+/-16.033 χ²/NDF:24.1/23
Right Out: 79.378+/-21.577 χ²/NDF: 24.8/18
Left In: 29.116+/-16.568 χ²/NDF:21.3/21
Left: 18.086+/-11.521 χ²/NDF: 46.3/45
Right: 60.540+/-15.578 χ²/NDF: 40.5/34
In: 32.950+/-13.344 χ²/NDF:35.6/37
Out: 33.234+/-12.869 χ²/NDF:56.0/42
All: 33.097+/-9.263 χ²/NDF: 91.7/80



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 68.878+/-0.011 χ^2/NDF:1028361.3/23

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 69.182+/-0.012 χ^2/NDF:864655.0/21

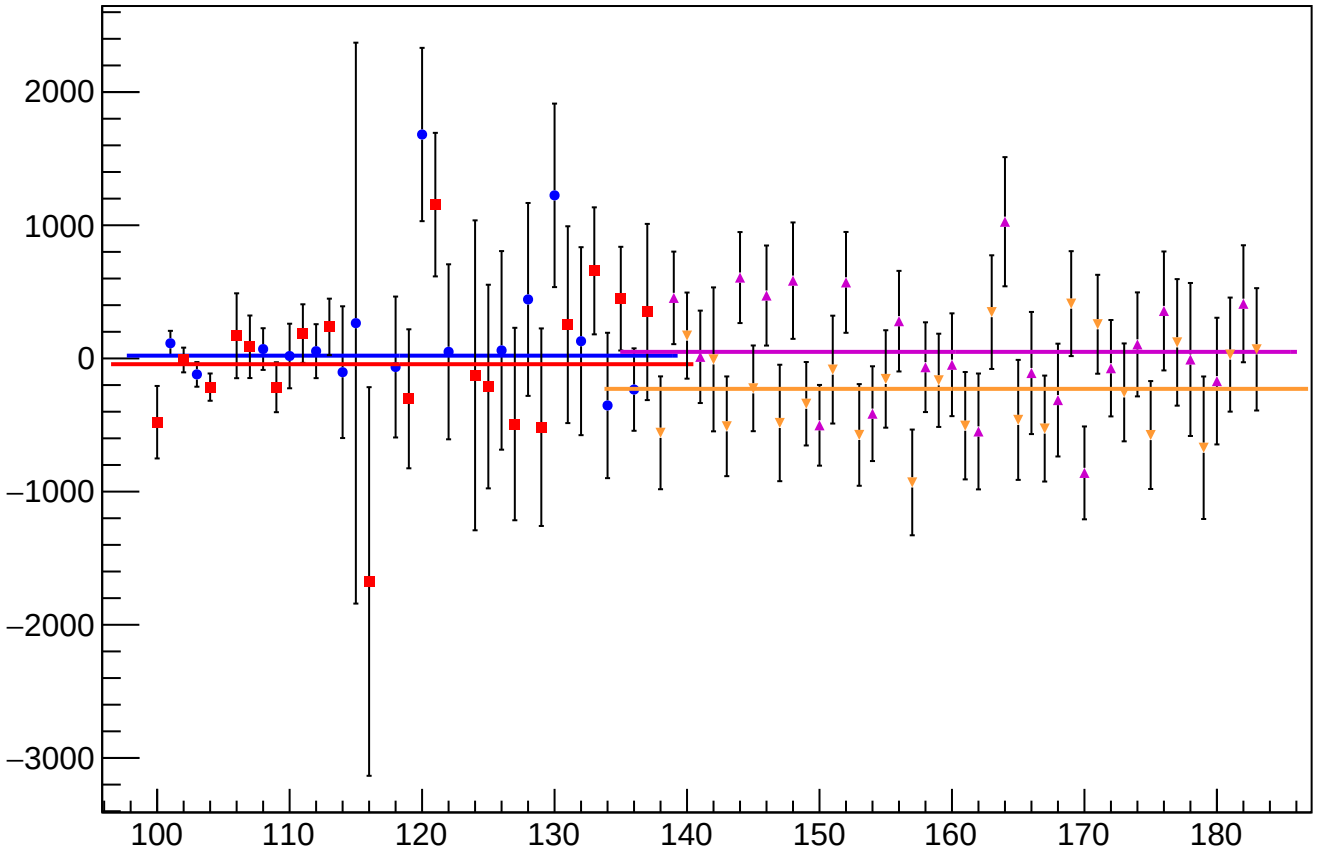
Left: 69.025+/-0.008 χ^2/NDF: 1893365.7/45

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 65.784+/-0.009 χ^2/NDF:1387364.8/37

Out: 64.854+/-0.009 χ^2/NDF:1729831.6/42

All: 65.302+/-0.007 χ^2/NDF: 3122227.9/80



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -228.458+/-80.607 χ^2/NDF:17.7/23

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: -93.390+/-57.774 χ^2/NDF: 52.8/45

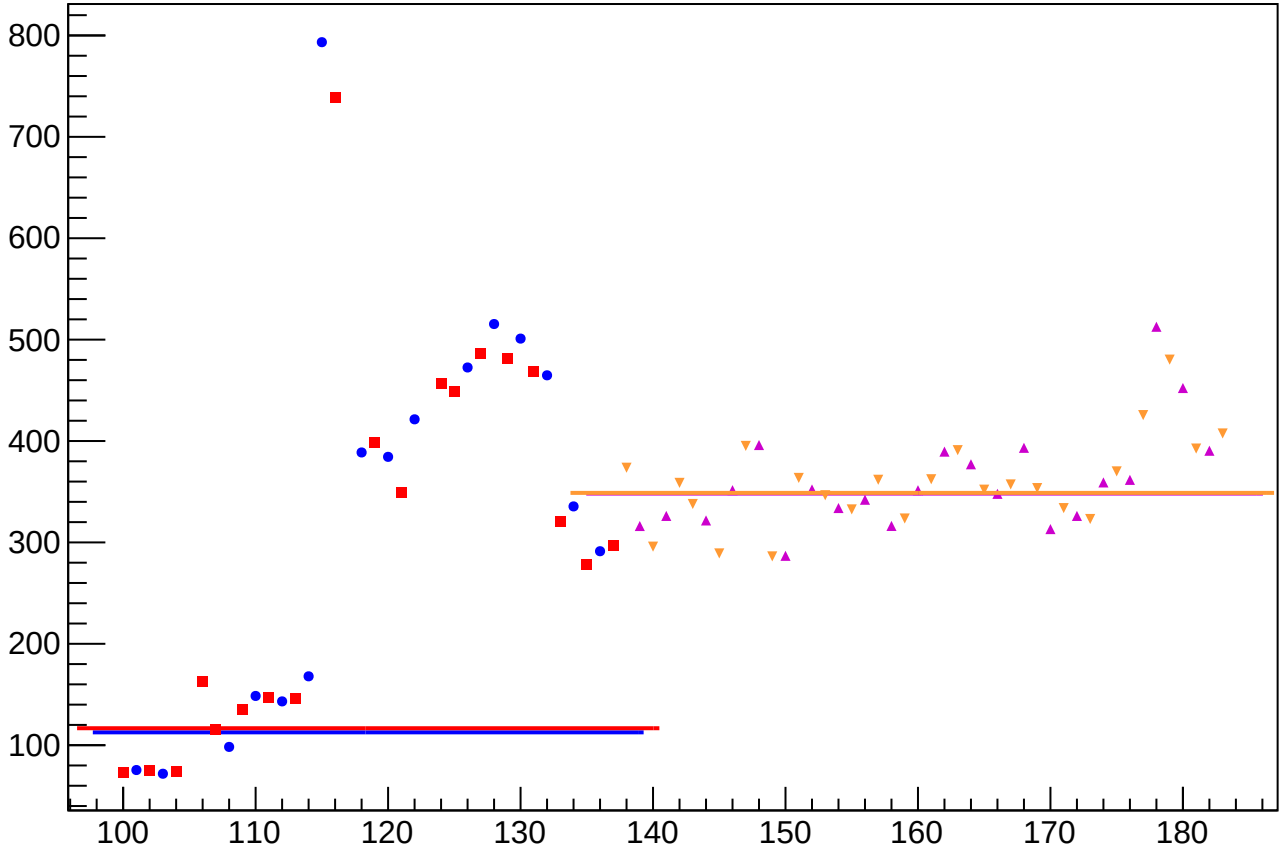
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 29.233+/-44.994 χ^2/NDF:44.1/37

Out: -99.469+/-44.407 χ^2/NDF:42.9/42

All: -35.963+/-31.606 χ^2/NDF: 91.1/80

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: 348.850+/-0.057 χ^2/NDF:521258.4/23

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: 348.518+/-0.041 χ^2/NDF: 1043908.6/45

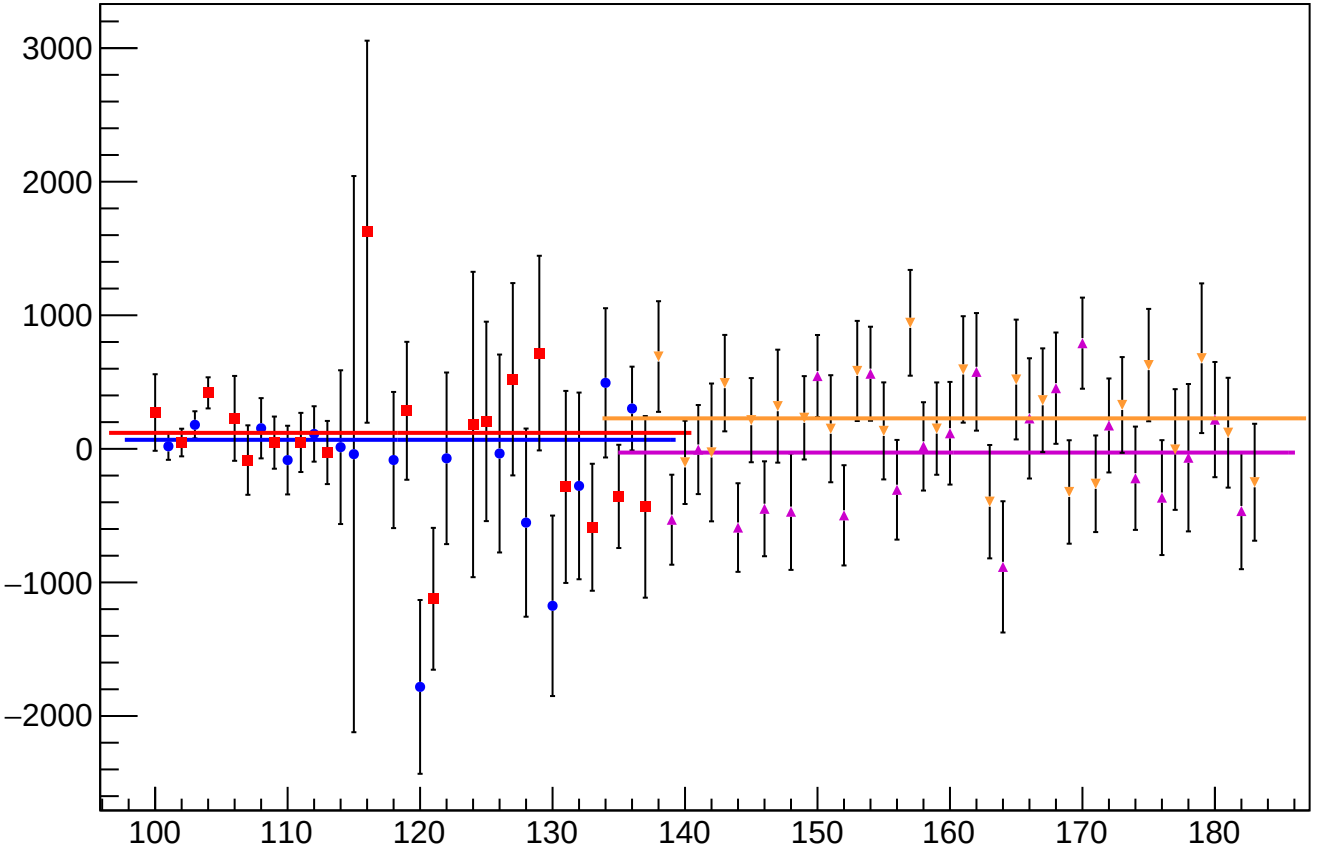
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 182.127+/-0.032 χ^2/NDF:17515902.6/37

Out: 187.181+/-0.031 χ^2/NDF:17213661.3/42

All: 184.687+/-0.022 χ^2/NDF: 34742342.7/80

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 228.331+/-79.160 χ^2/NDF:18.1/23

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: 103.485+/-56.683 χ^2/NDF: 54.2/45

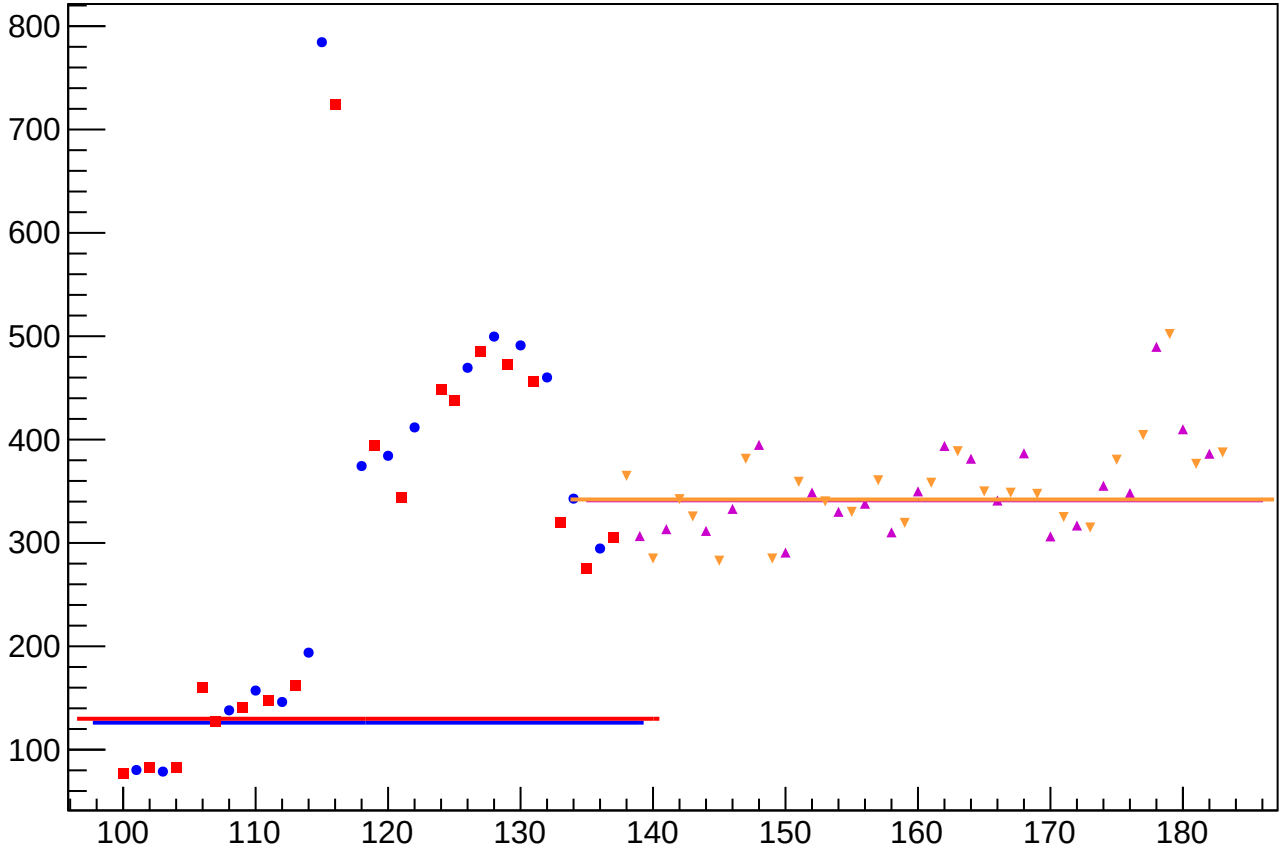
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 34.496+/-47.821 χ^2/NDF:47.7/37

Out: 157.554+/-46.755 χ^2/NDF:40.4/42

All: 97.412+/-33.431 χ^2/NDF: 91.5/80

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 342.061+/-0.056 χ^2/NDF:549854.6/23

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 341.278+/-0.057 χ^2/NDF:474708.7/21

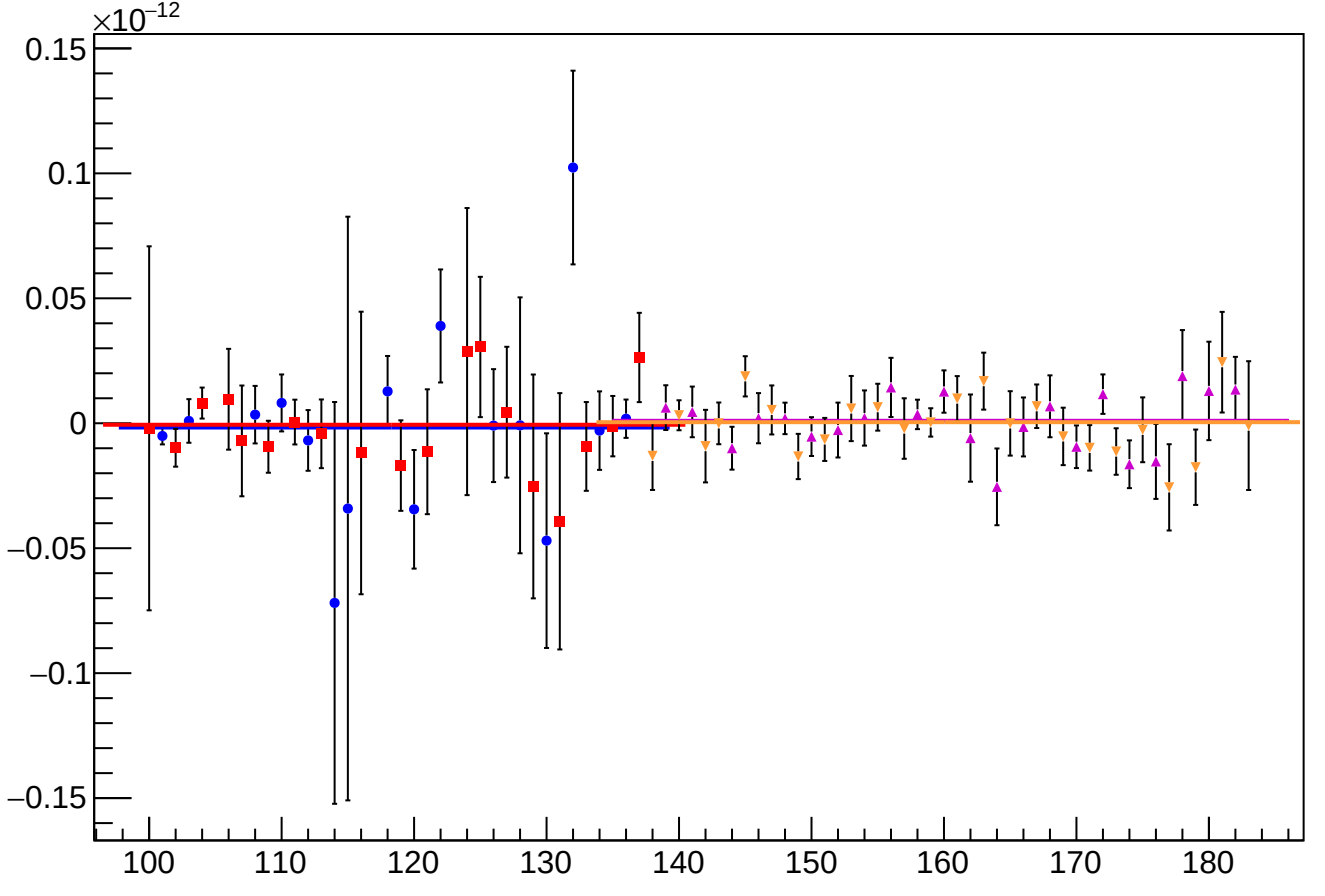
Left: 341.679+/-0.040 χ^2/NDF: 1024658.6/45

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 200.758+/-0.034 χ^2/NDF:14863287.6/37

Out: 203.923+/-0.033 χ^2/NDF:14550938.3/42

All: 202.376+/-0.024 χ^2/NDF: 29418703.5/80



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.7/23

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: 42.4/45

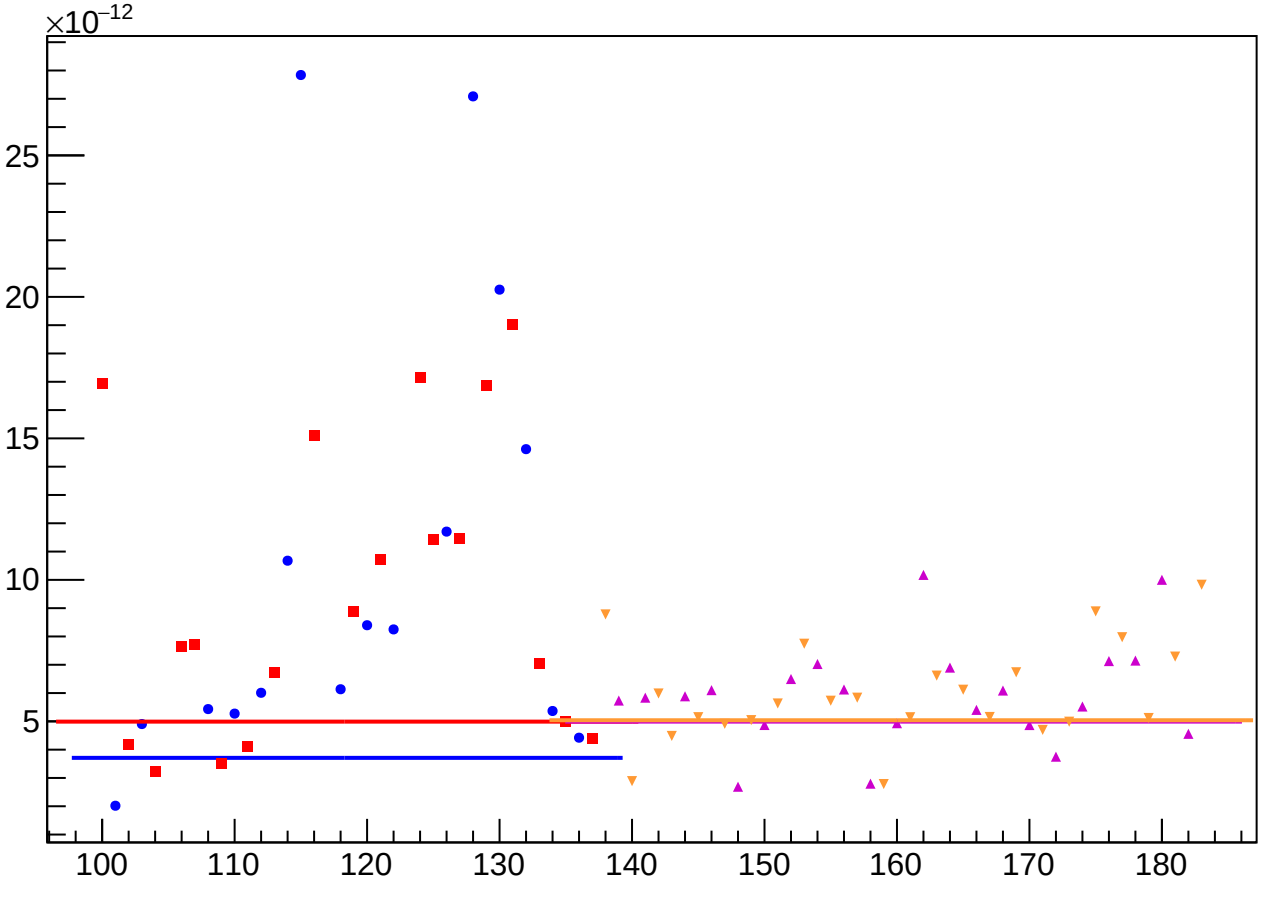
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:38.1/37

Out: 0.000+/-0.000 χ^2/NDF:33.3/42

All: 0.000+/-0.000 χ^2/NDF: 71.4/80

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1282711.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1224016.5/21

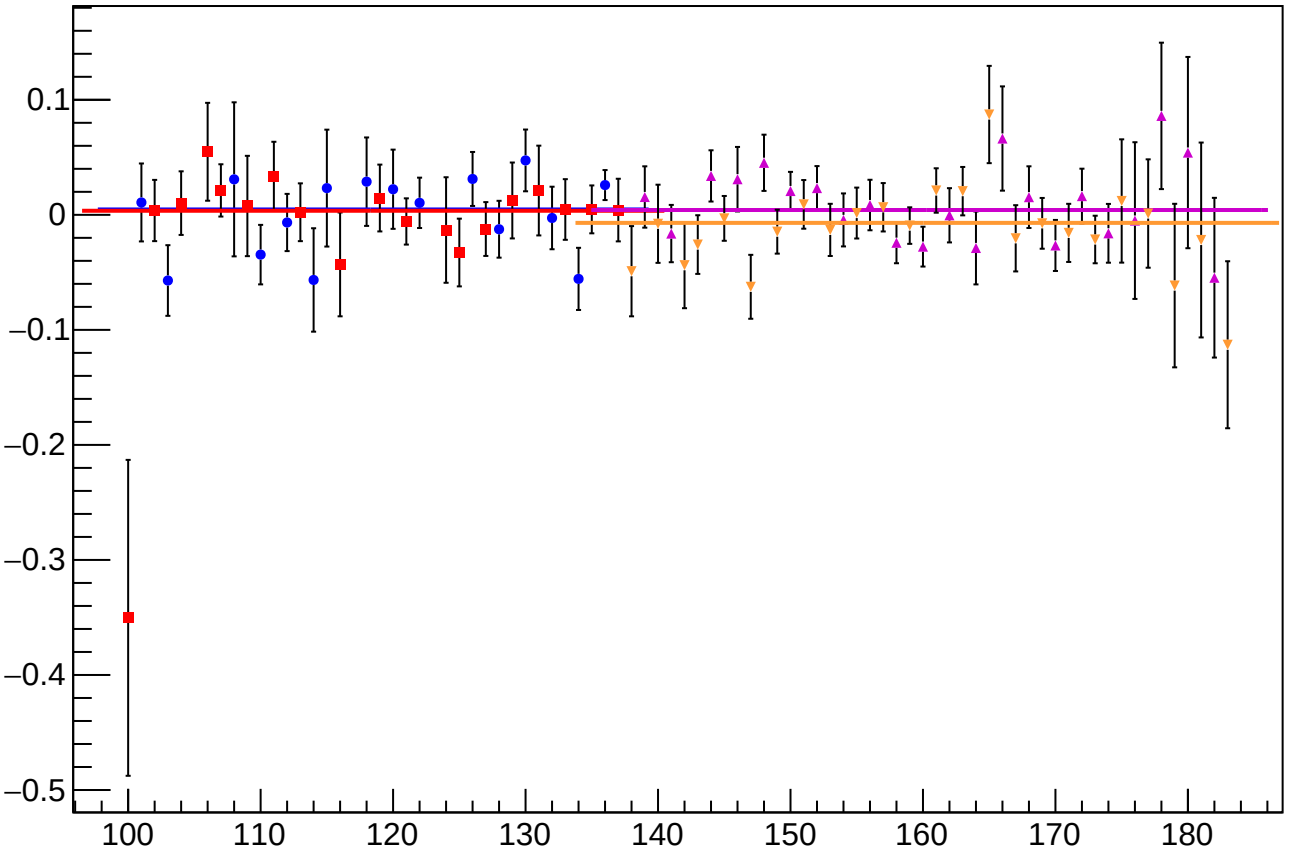
Left: 0.000+/-0.000 χ^2/NDF: 2507276.8/45

Right: 0.000+/-0.000 χ^2/NDF: 3664320.8/34

In: 0.000+/-0.000 χ^2/NDF:3702579.9/37

Out: 0.000+/-0.000 χ^2/NDF:2578409.6/42

All: 0.000+/-0.000 χ^2/NDF: 6391385.4/80



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.007+/-0.005 χ^2/NDF:20.6/23

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:23.2/21

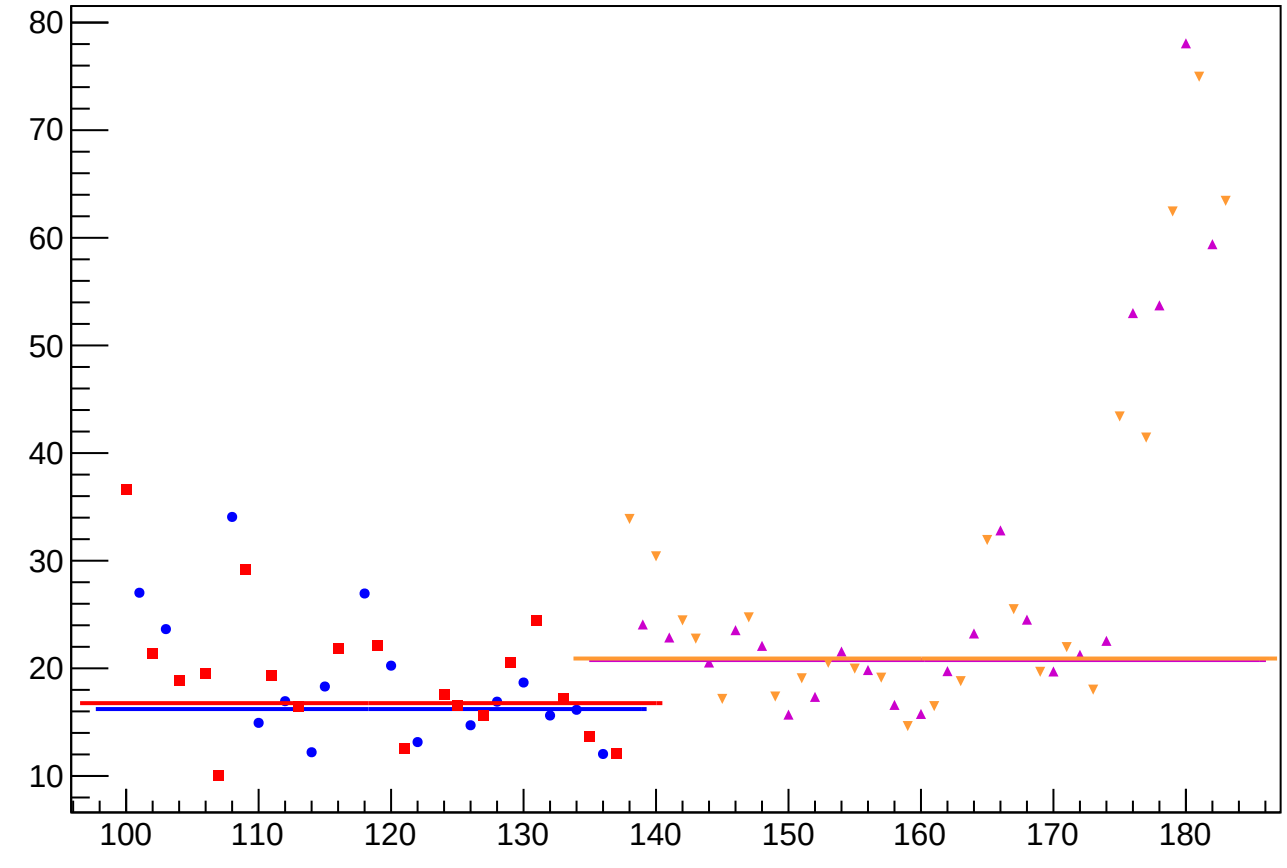
Left: -0.001+/-0.004 χ^2/NDF: 46.1/45

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:35.8/42

All: 0.001+/-0.003 χ^2/NDF: 82.1/80



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.912+/-0.004 χ^2/NDF:4206180.2/23

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.770+/-0.004 χ^2/NDF:3367625.6/21

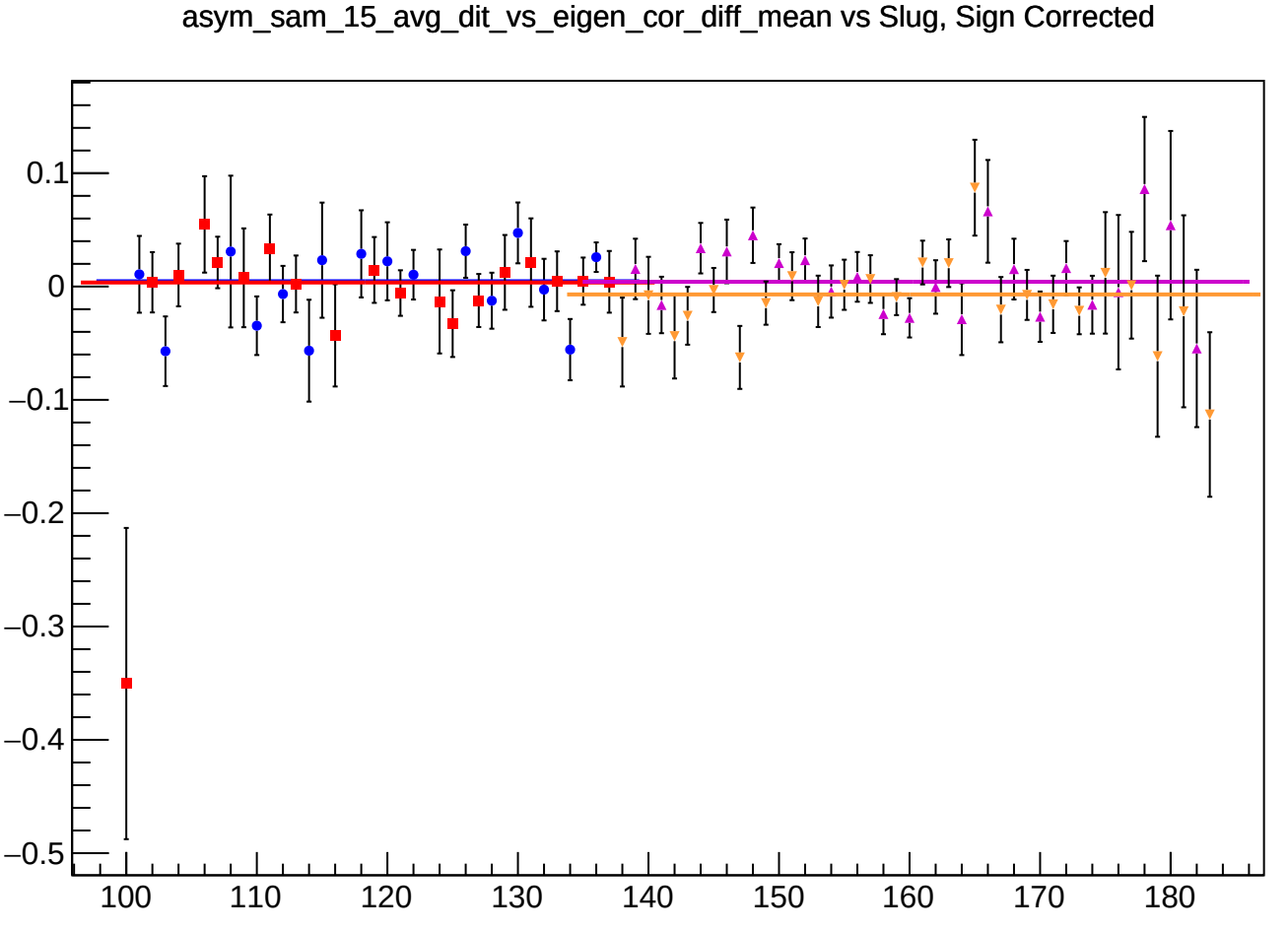
Left: 20.842+/-0.003 χ^2/NDF: 7574536.6/45

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.973+/-0.003 χ^2/NDF:4893791.2/37

Out: 19.329+/-0.003 χ^2/NDF:5556857.5/42

All: 19.152+/-0.002 χ^2/NDF: 10458180.3/80



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.007+/-0.005 χ^2/NDF:20.6/23

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: 46.1/45

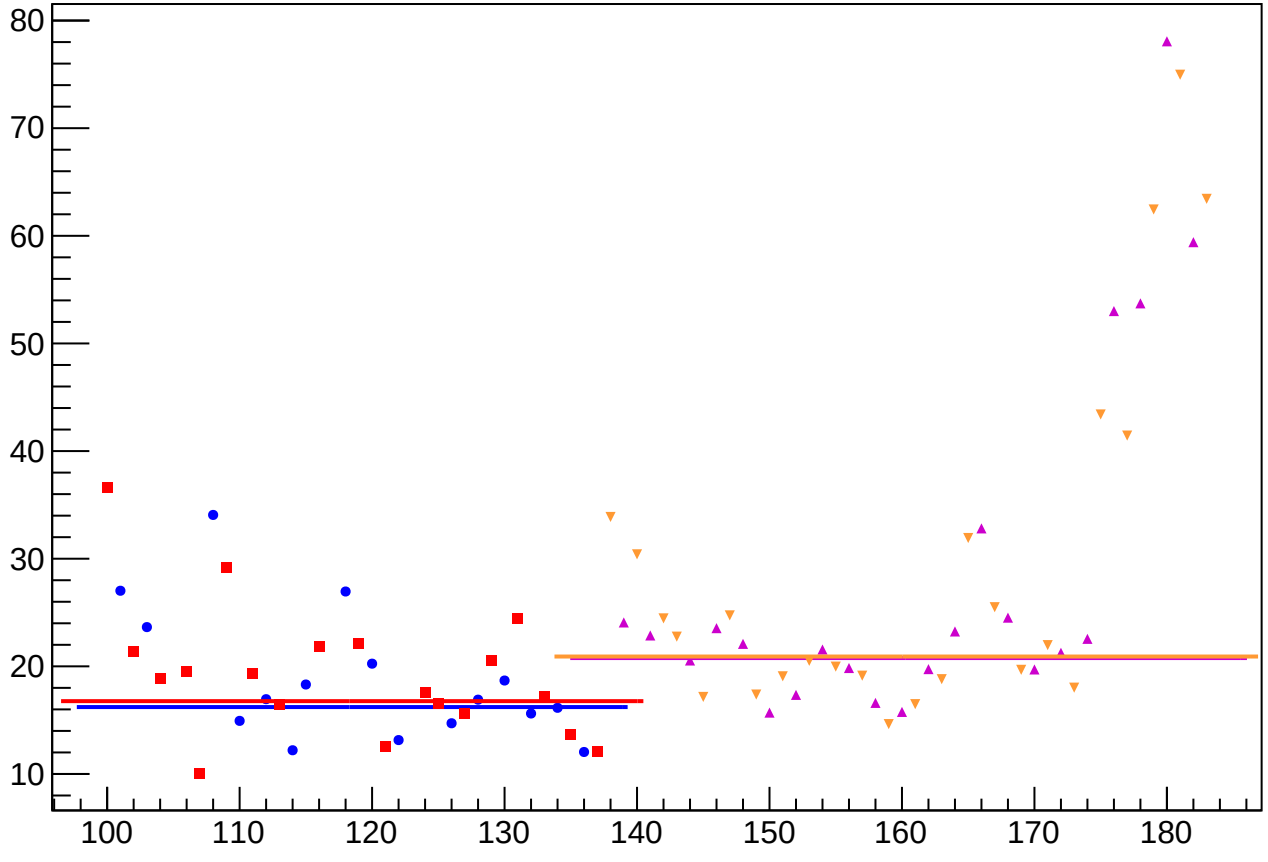
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:44.6/37

Out: -0.003+/-0.004 χ^2/NDF:35.8/42

All: 0.001+/-0.003 χ^2/NDF: 82.1/80

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.912+/-0.004 χ^2/NDF:4206180.2/23

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.770+/-0.004 χ^2/NDF:3367625.6/21

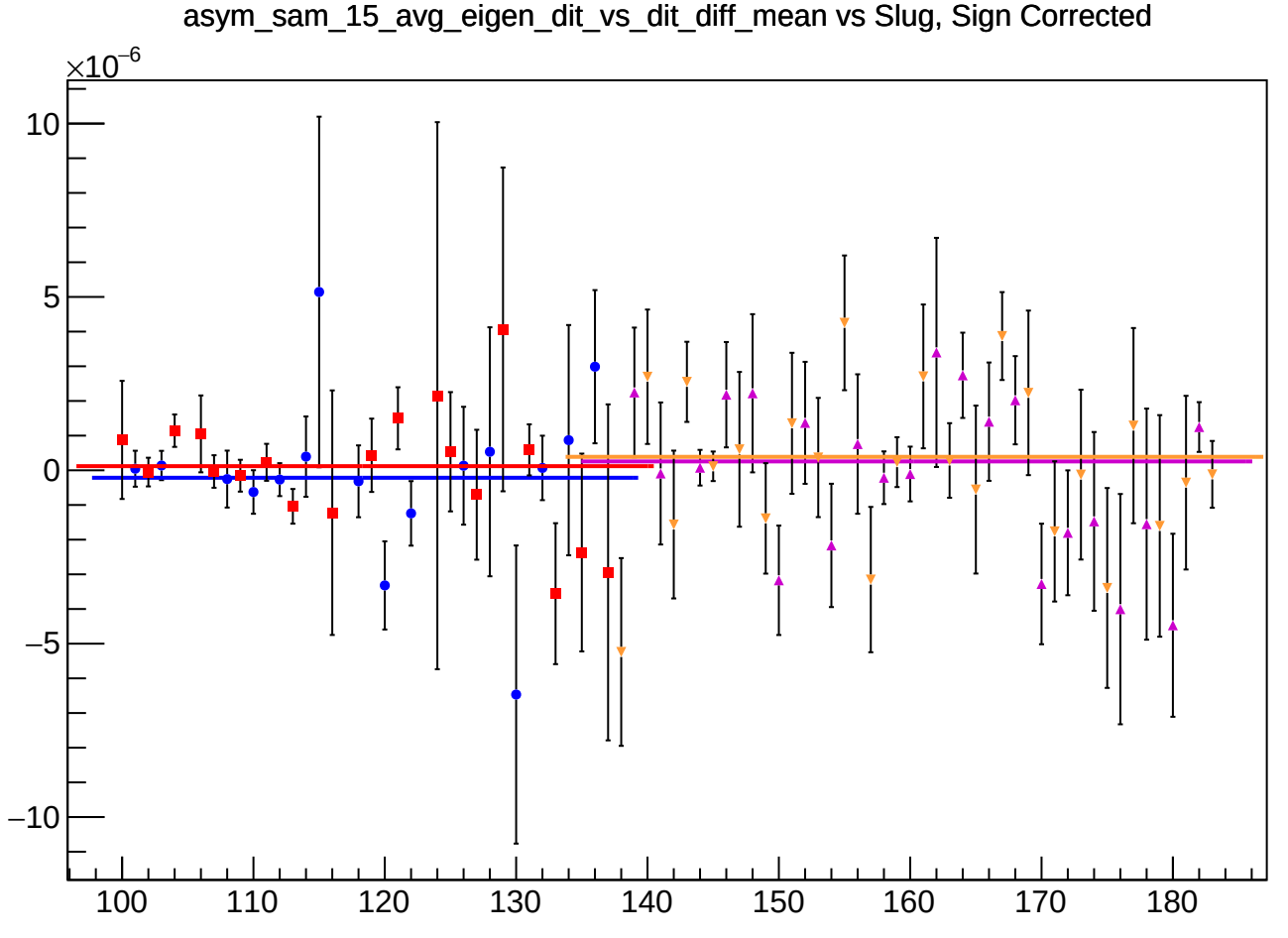
Left: 20.842+/-0.003 χ^2/NDF: 7574536.6/45

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.973+/-0.003 χ^2/NDF:4893791.2/37

Out: 19.329+/-0.003 χ^2/NDF:5556857.5/42

All: 19.152+/-0.002 χ^2/NDF: 10458180.3/80



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:31.6/21

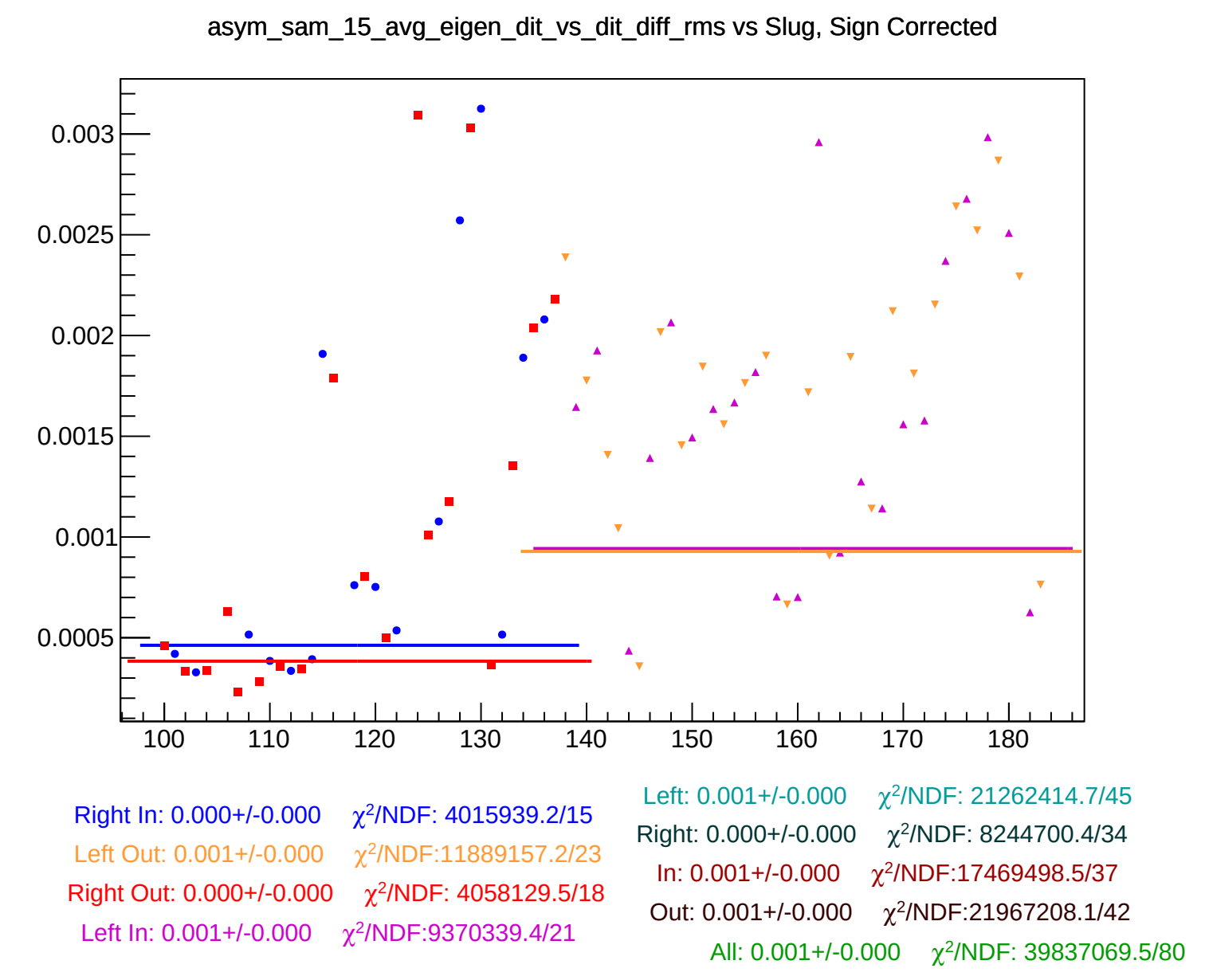
Left: 0.000+/-0.000 χ^2/NDF: 63.8/45

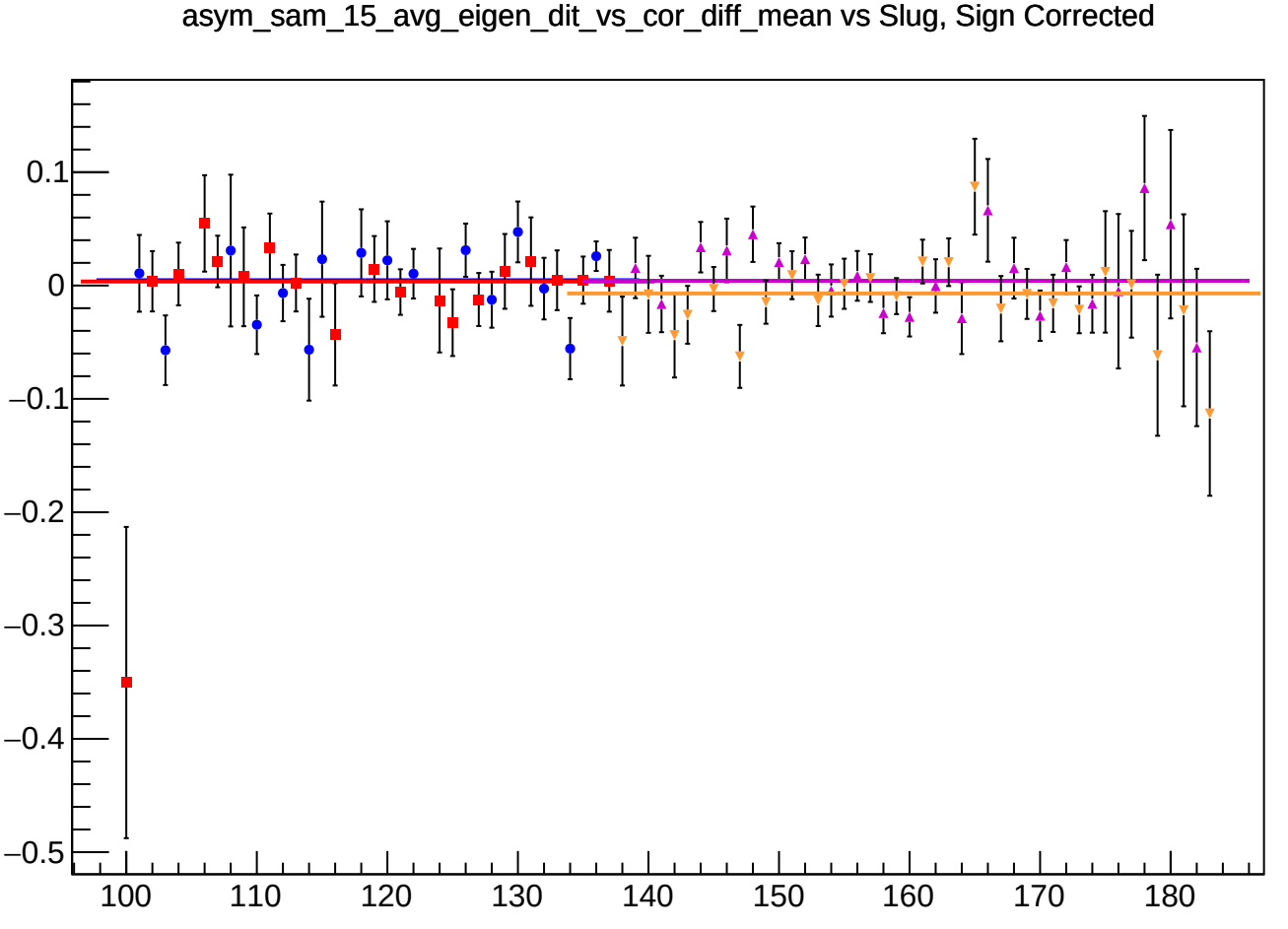
Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:48.0/37

Out: 0.000+/-0.000 χ^2/NDF:53.1/42

All: 0.000+/-0.000 χ^2/NDF: 102.3/80


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:11889157.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:9370339.4/21
Left: 0.001+/-0.000 χ²/NDF: 21262414.7/45
Right: 0.000+/-0.000 χ²/NDF: 8244700.4/34
In: 0.001+/-0.000 χ²/NDF:17469498.5/37
Out: 0.001+/-0.000 χ²/NDF:21967208.1/42
All: 0.001+/-0.000 χ²/NDF: 39837069.5/80



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.007+/-0.005 χ^2/NDF:20.6/23

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: 46.1/45

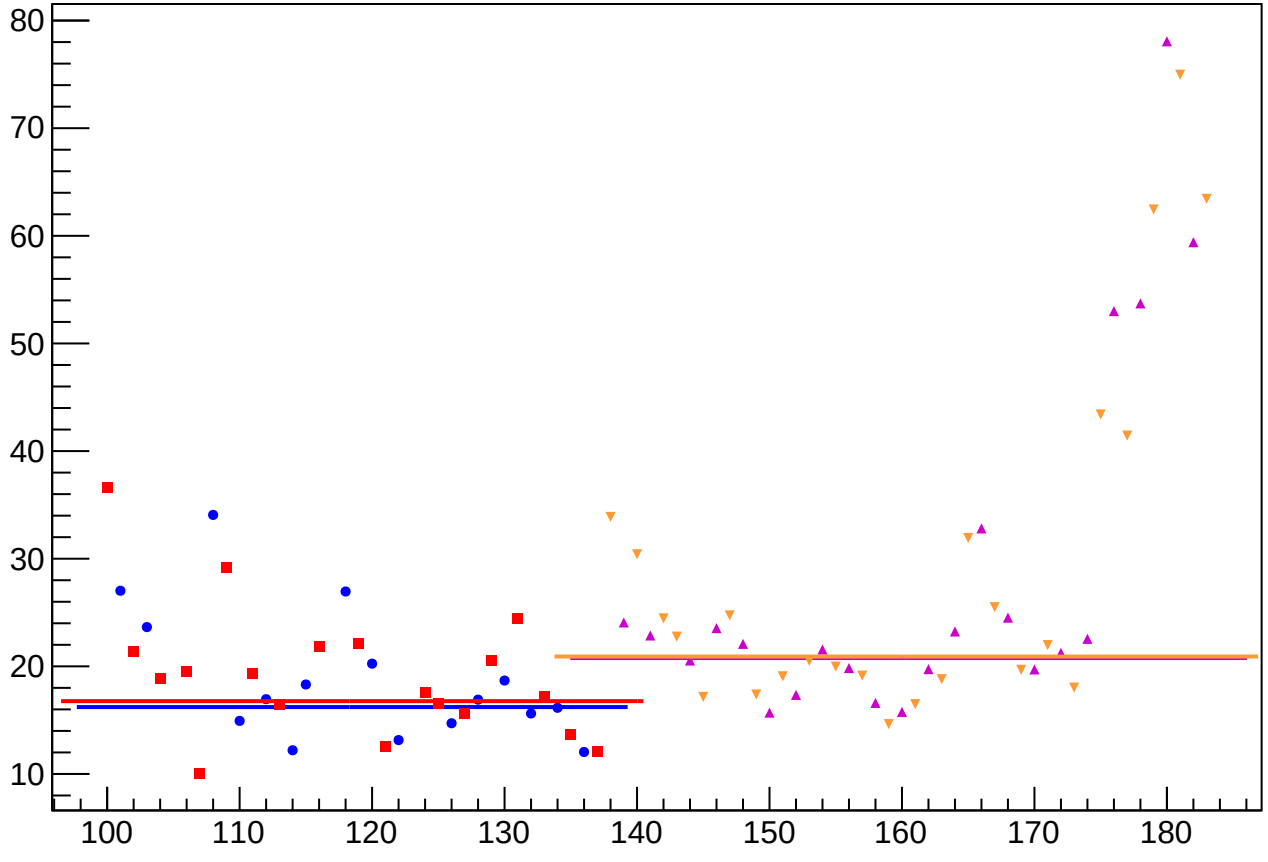
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:44.6/37

Out: -0.003+/-0.004 χ^2/NDF:35.8/42

All: 0.001+/-0.003 χ^2/NDF: 82.1/80

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.912+/-0.004 χ^2/NDF:4206156.3/23

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.770+/-0.004 χ^2/NDF:3367671.7/21

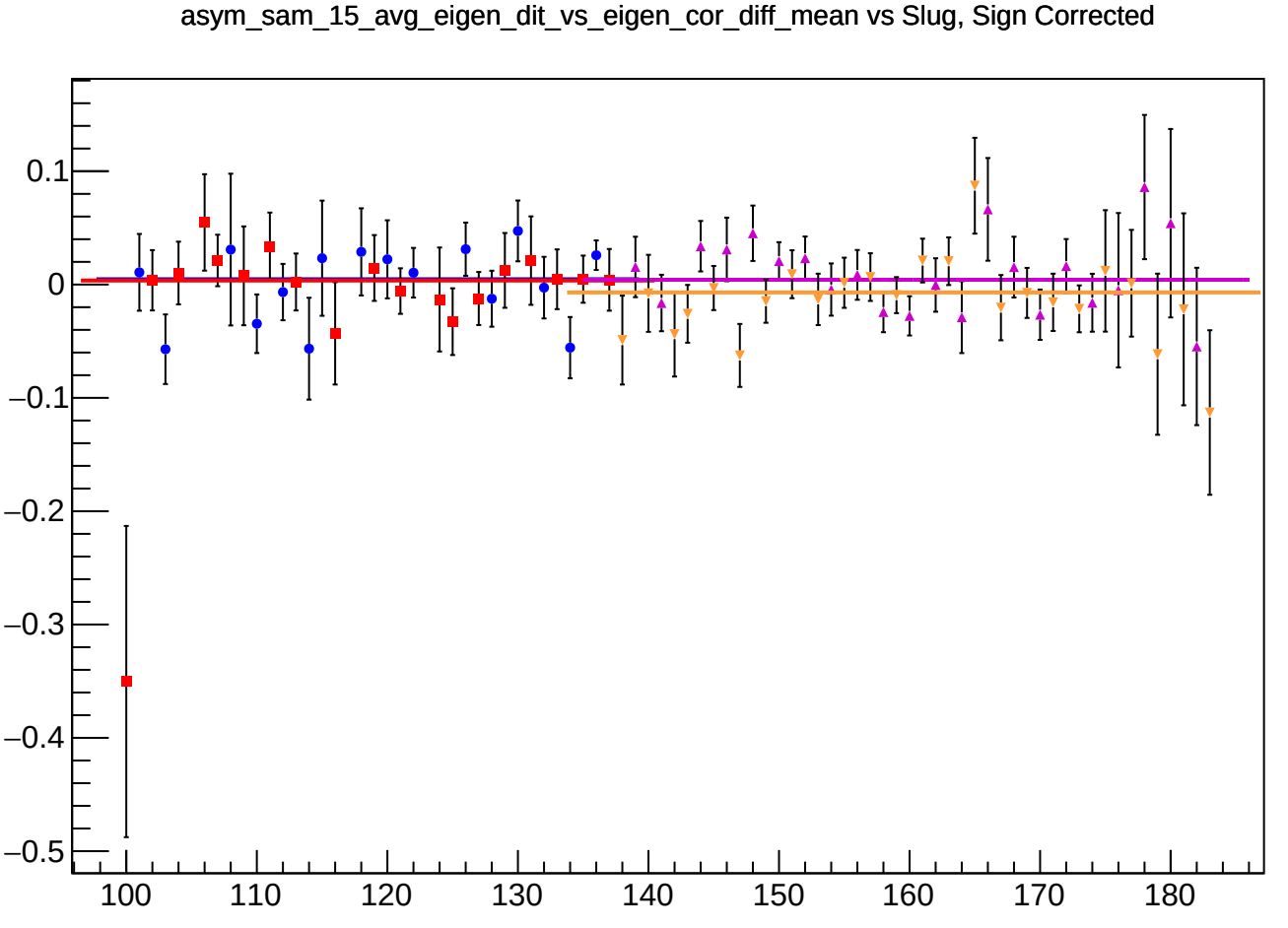
Left: 20.842+/-0.003 χ^2/NDF: 7574559.5/45

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.973+/-0.003 χ^2/NDF:4893872.6/37

Out: 19.329+/-0.003 χ^2/NDF:5556911.1/42

All: 19.152+/-0.002 χ^2/NDF: 10458316.8/80



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.007+/-0.005 χ^2/NDF:20.6/23

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: 46.1/45

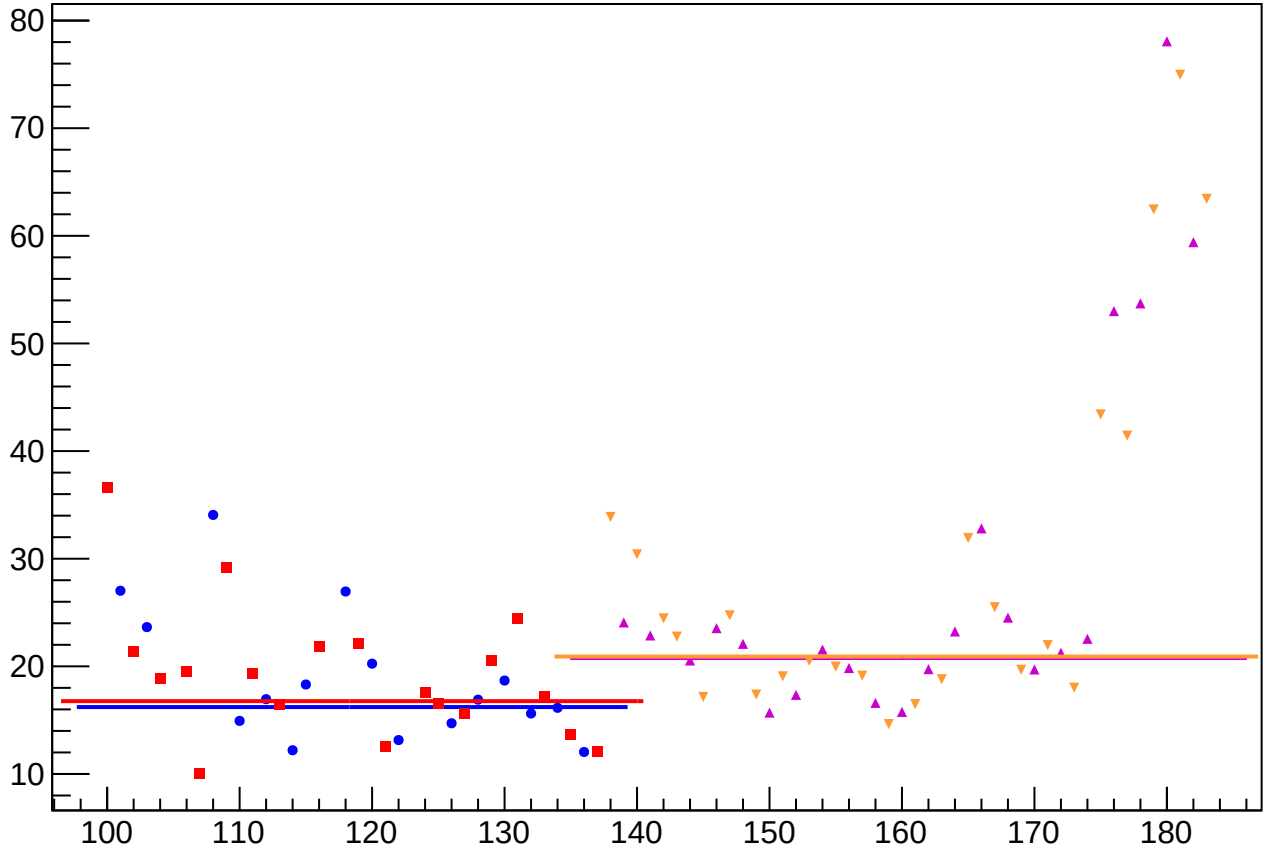
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:44.6/37

Out: -0.003+/-0.004 χ^2/NDF:35.8/42

All: 0.001+/-0.003 χ^2/NDF: 82.1/80

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: 20.912+/-0.004 χ^2/NDF:4206156.3/23

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.770+/-0.004 χ^2/NDF:3367671.7/21

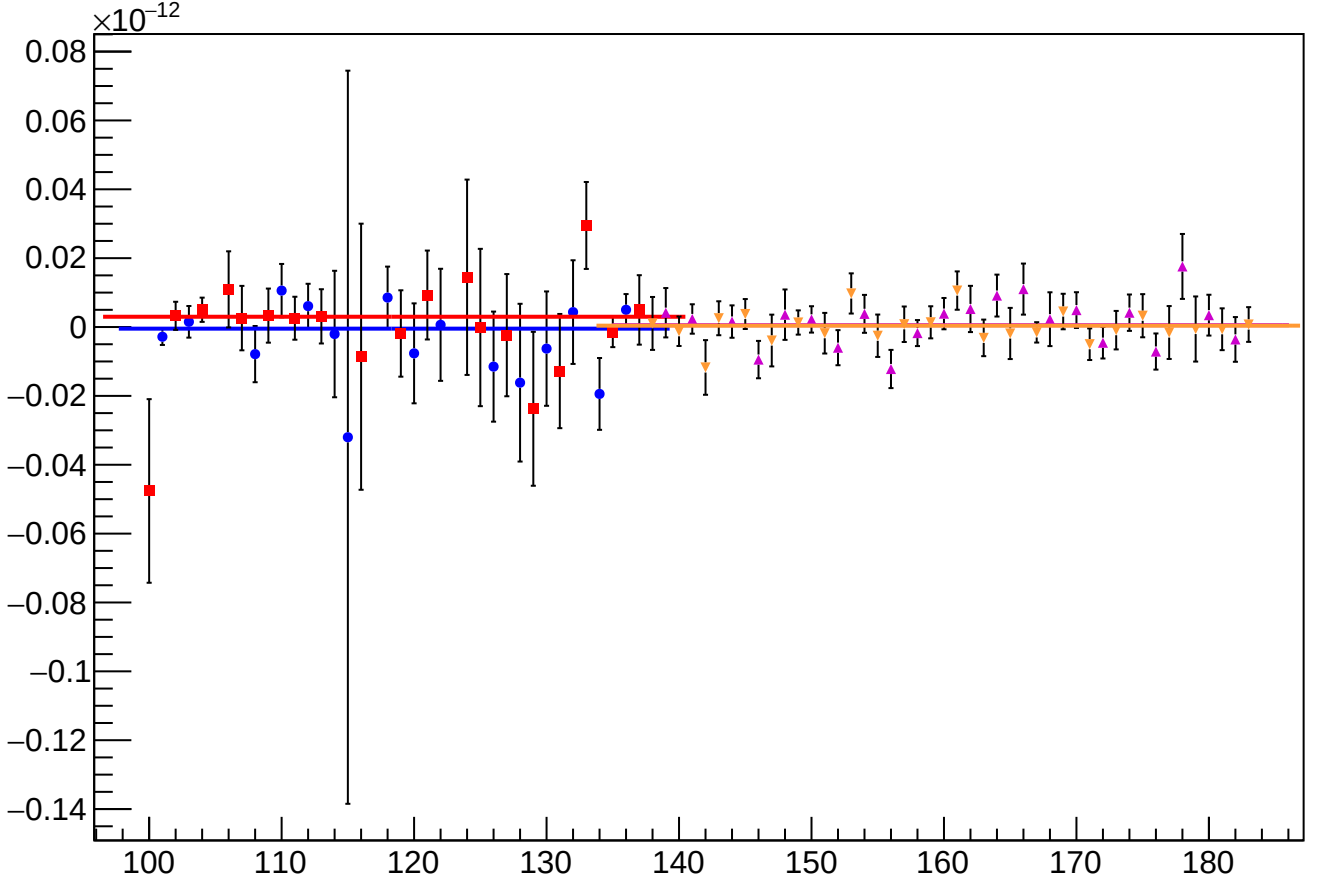
Left: 20.842+/-0.003 χ^2/NDF: 7574559.5/45

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.973+/-0.003 χ^2/NDF:4893872.6/37

Out: 19.329+/-0.003 χ^2/NDF:5556911.1/42

All: 19.152+/-0.002 χ^2/NDF: 10458316.8/80



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/23

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: 38.8/45

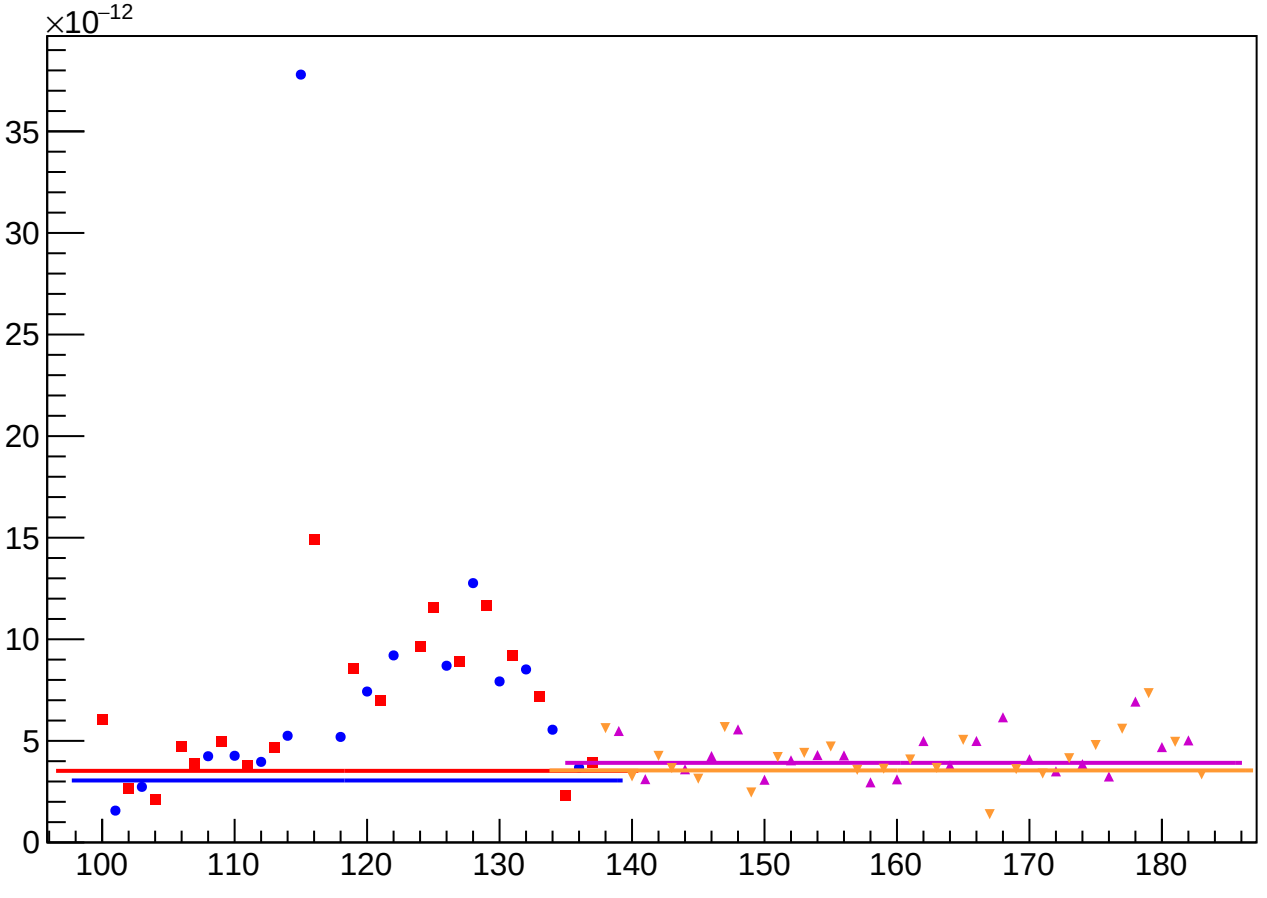
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: 0.000+/-0.000 χ^2/NDF:38.0/37

Out: 0.000+/-0.000 χ^2/NDF:27.9/42

All: 0.000+/-0.000 χ^2/NDF: 66.3/80

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:2527338.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1197774.0/21

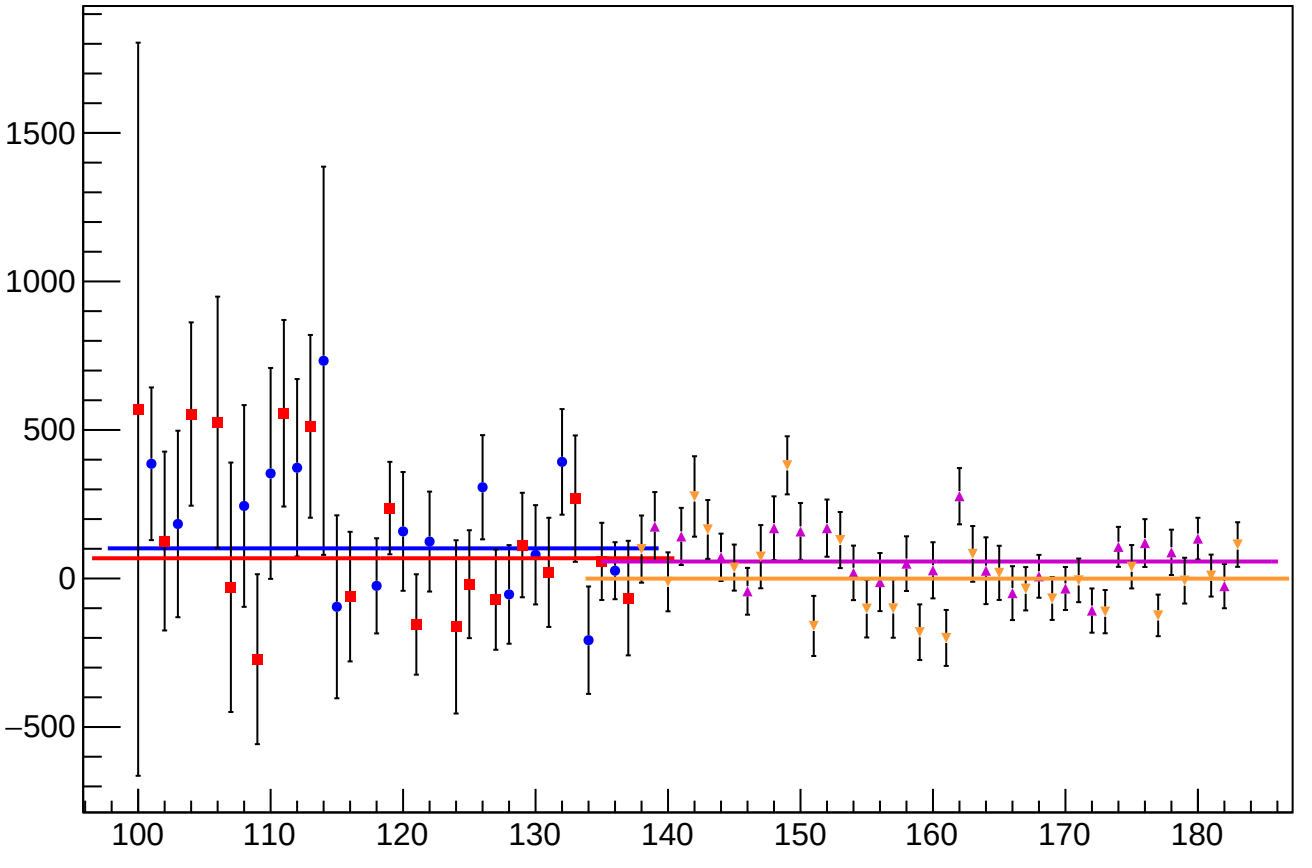
Left: 0.000+/-0.000 χ^2/NDF: 3839042.2/45

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:5086640.5/42

All: 0.000+/-0.000 χ^2/NDF: 9610321.2/80



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: -0.423+/-17.492 χ^2/NDF:48.4/23

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: 27.414+/-12.567 χ^2/NDF: 79.0/45

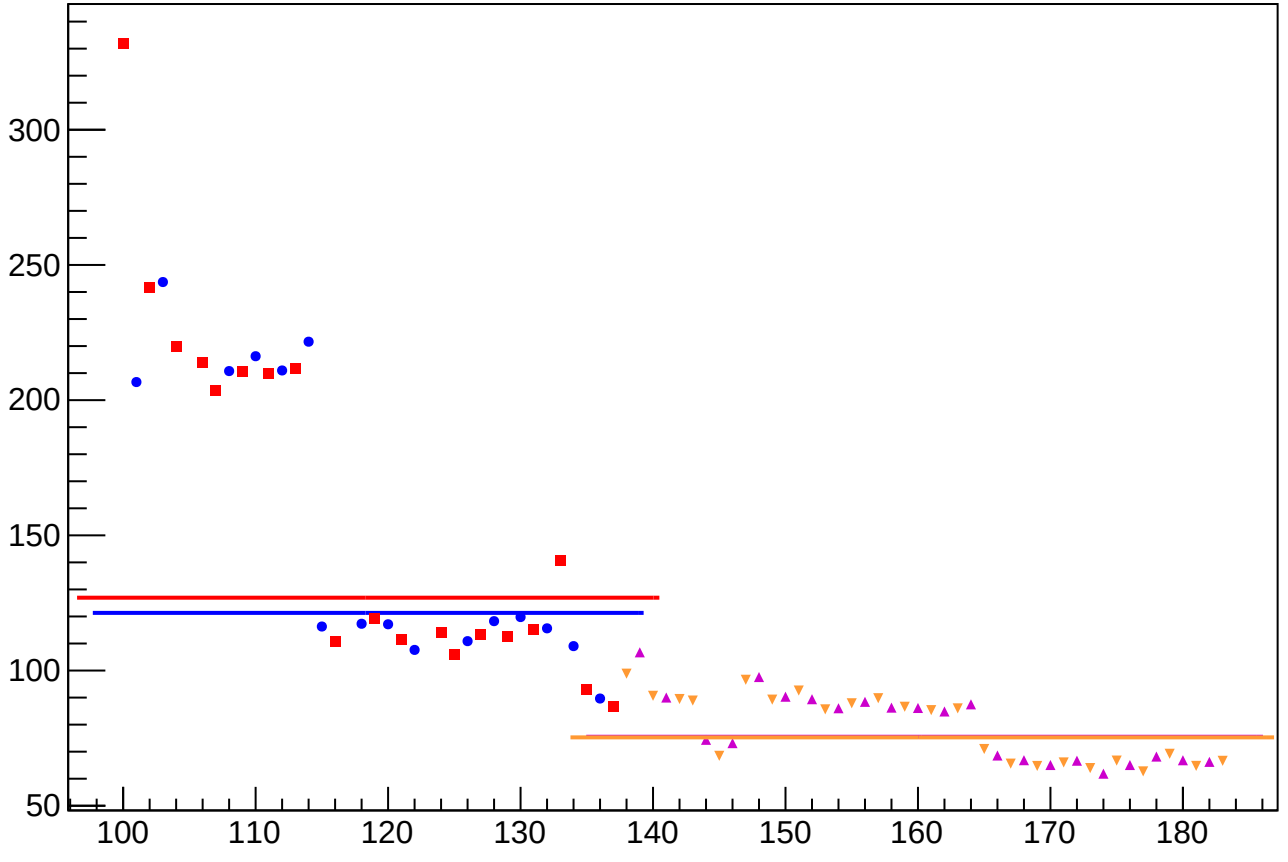
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 62.688+/-16.893 χ^2/NDF:39.5/37

Out: 7.232+/-16.486 χ^2/NDF:66.3/42

All: 34.285+/-11.799 χ^2/NDF: 111.2/80

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 75.285+/-0.012 χ^2/NDF:908285.2/23

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 75.517+/-0.013 χ^2/NDF:829588.4/21

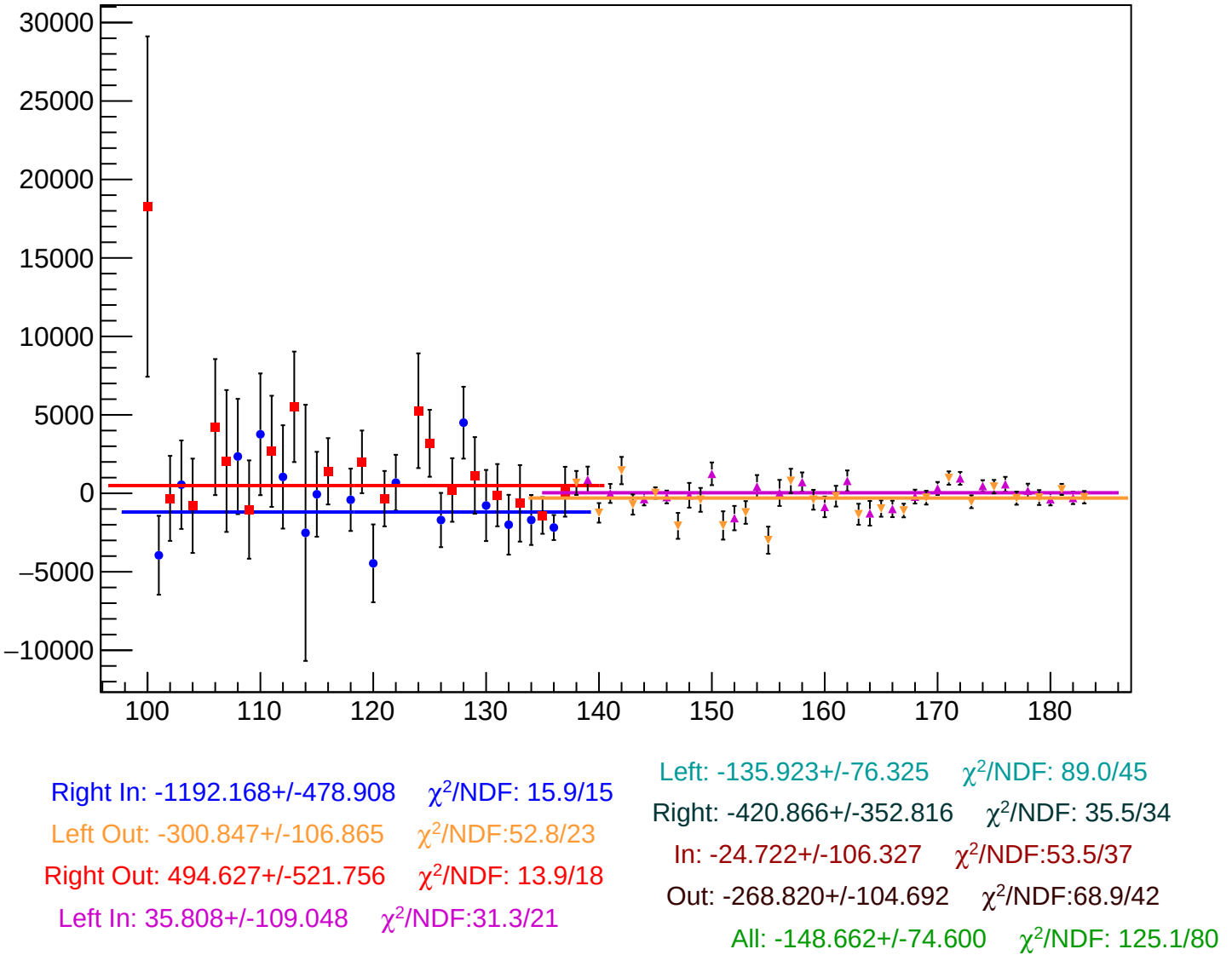
Left: 75.397+/-0.009 χ^2/NDF: 1738043.0/45

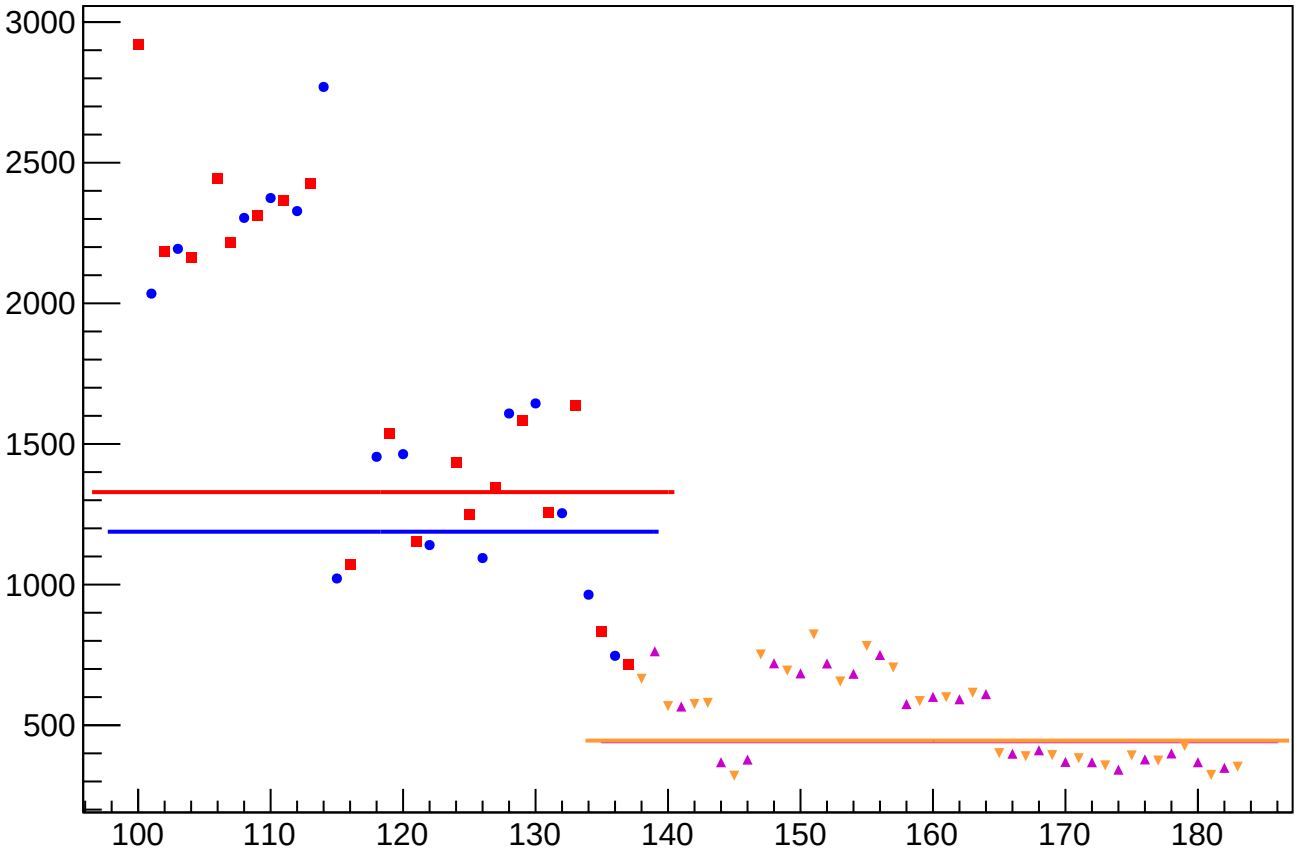
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

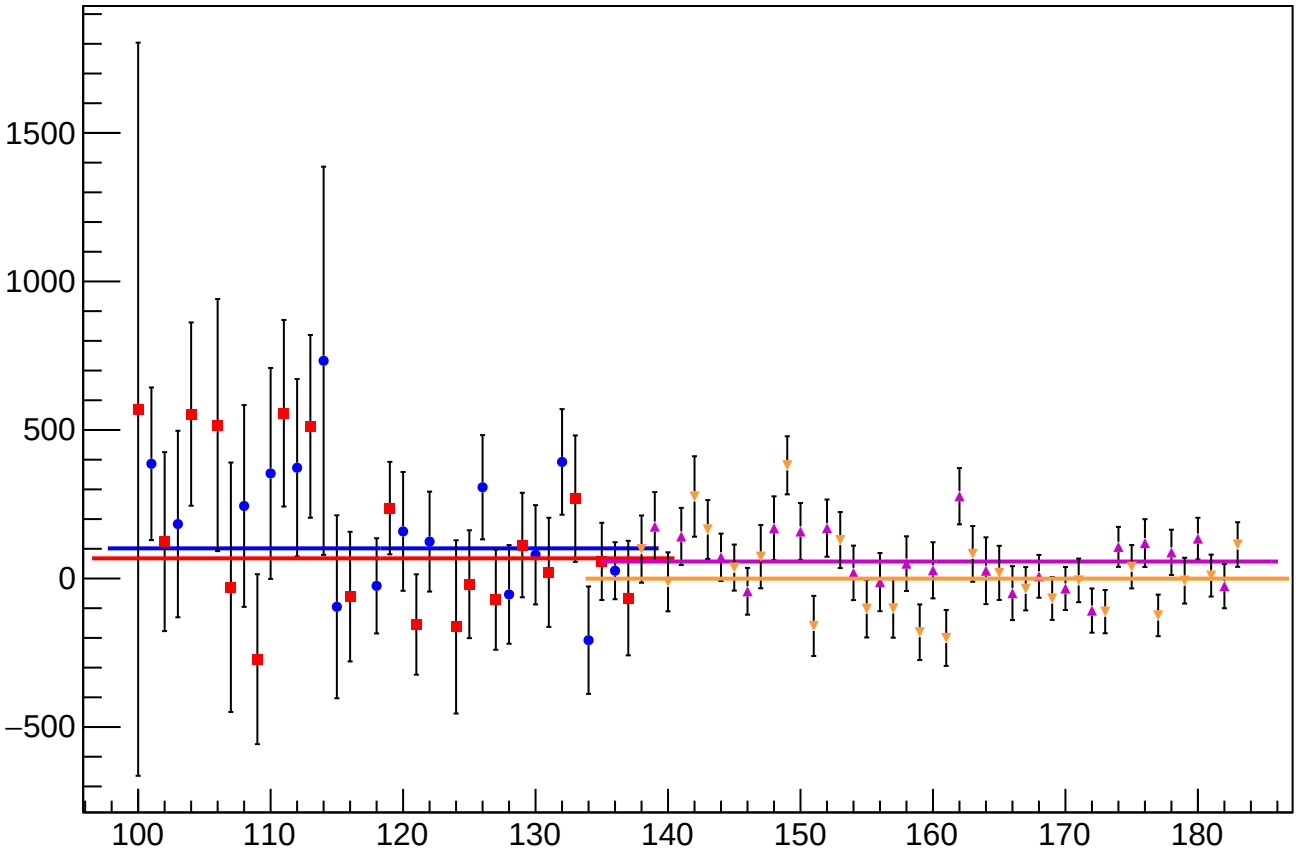
In: 81.279+/-0.012 χ^2/NDF:3733463.3/37

Out: 81.056+/-0.012 χ^2/NDF:4328406.8/42

All: 81.165+/-0.008 χ^2/NDF: 8062048.0/80


asym_sam_26_avg_reg_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: -1192.168+/-478.908 χ²/NDF: 15.9/15
Left Out: -300.847+/-106.865 χ²/NDF:52.8/23
Right Out: 494.627+/-521.756 χ²/NDF: 13.9/18
Left In: 35.808+/-109.048 χ²/NDF:31.3/21
Left: -135.923+/-76.325 χ²/NDF: 89.0/45
Right: -420.866+/-352.816 χ²/NDF: 35.5/34
In: -24.722+/-106.327 χ²/NDF:53.5/37
Out: -268.820+/-104.692 χ²/NDF:68.9/42
All: -148.662+/-74.600 χ²/NDF: 125.1/80


asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
Right In: 1188.069+/-0.339 χ²/NDF: 2044635.7/15
Left Out: 445.329+/-0.076 χ²/NDF:3132822.3/23
Right Out: 1328.816+/-0.369 χ²/NDF: 1957758.3/18
Left In: 443.032+/-0.077 χ²/NDF:2659521.8/21
Left: 444.204+/-0.054 χ²/NDF: 5792796.8/45
Right: 1252.427+/-0.249 χ²/NDF: 4081382.8/34
In: 479.757+/-0.075 χ²/NDF:9305974.1/37
Out: 480.900+/-0.074 χ²/NDF:10594210.9/42
All: 480.337+/-0.053 χ²/NDF: 19900302.3/80



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -0.422+/-17.492 χ^2/NDF:48.4/23

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 57.108+/-18.067 χ^2/NDF:25.3/21

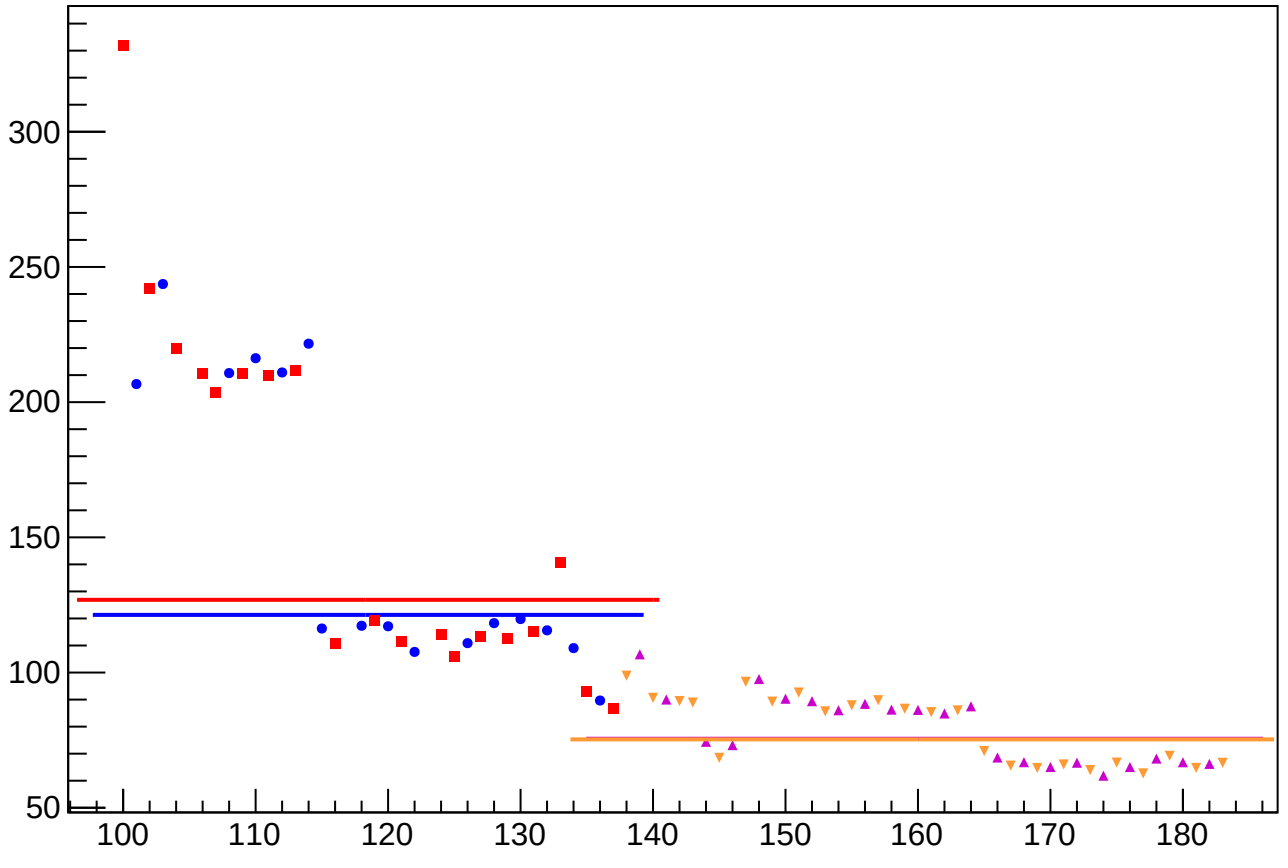
Left: 27.413+/-12.567 χ^2/NDF: 79.0/45

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 62.685+/-16.893 χ^2/NDF:39.5/37

Out: 7.207+/-16.486 χ^2/NDF:66.2/42

All: 34.271+/-11.799 χ^2/NDF: 111.2/80



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 75.285+/-0.012 χ^2/NDF:908285.2/23

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 75.517+/-0.013 χ^2/NDF:829588.4/21

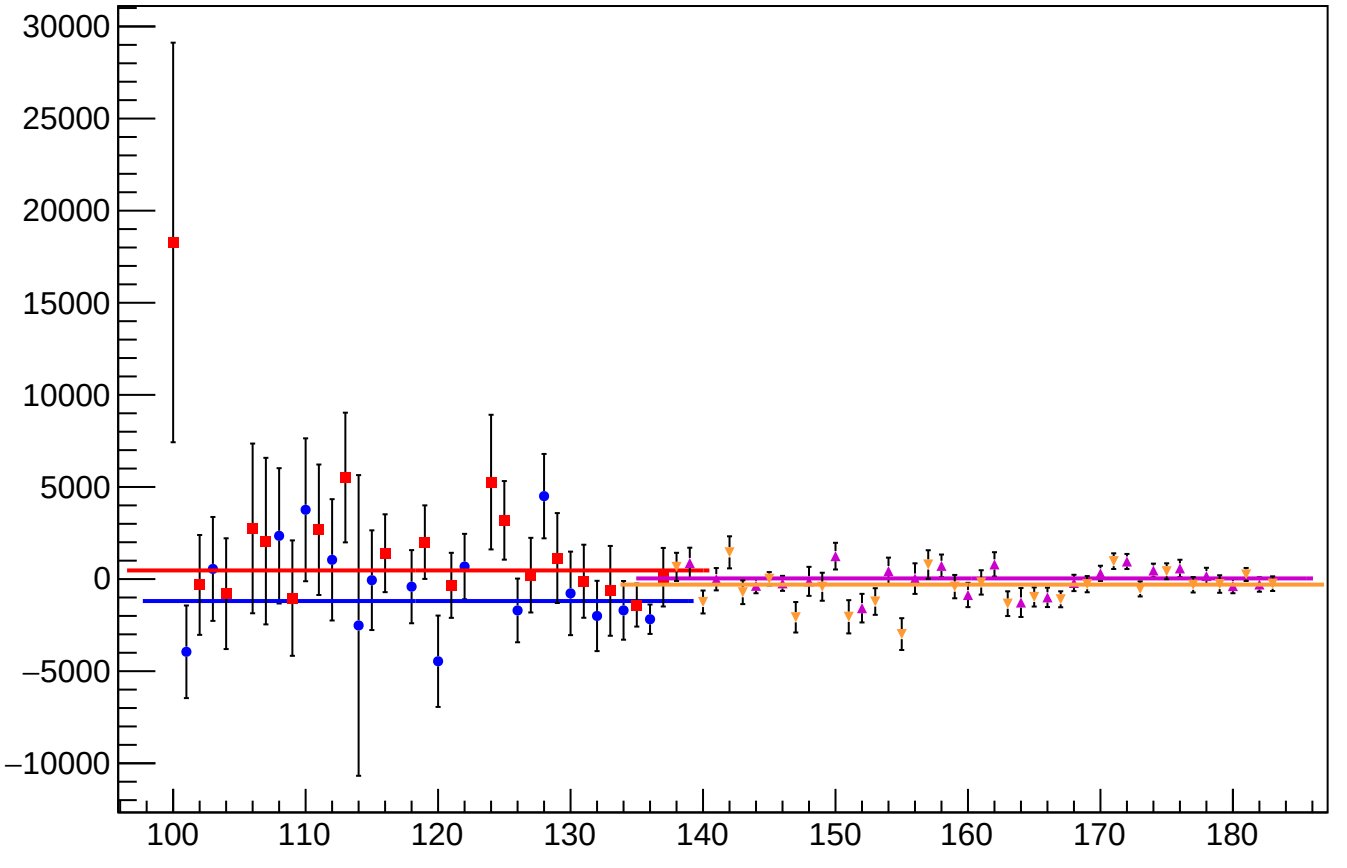
Left: 75.397+/-0.009 χ^2/NDF: 1738042.9/45

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 81.279+/-0.012 χ^2/NDF:3733465.3/37

Out: 81.050+/-0.012 χ^2/NDF:4318306.1/42

All: 81.161+/-0.008 χ^2/NDF: 8051959.4/80



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -300.846+/-106.865 χ^2/NDF:52.8/23

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 35.809+/-109.048 χ^2/NDF:31.3/21

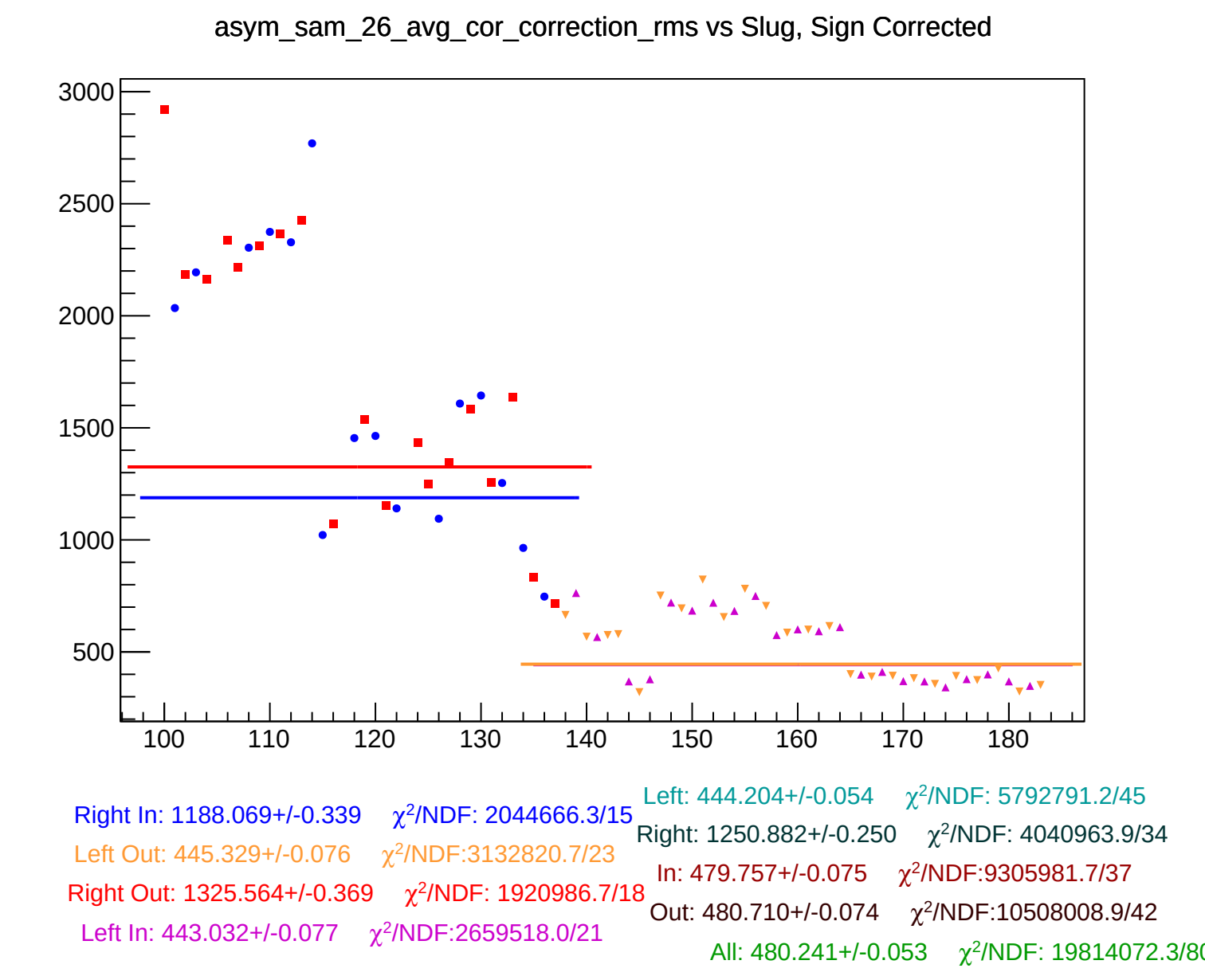
Left: -135.922+/-76.325 χ^2/NDF: 89.0/45

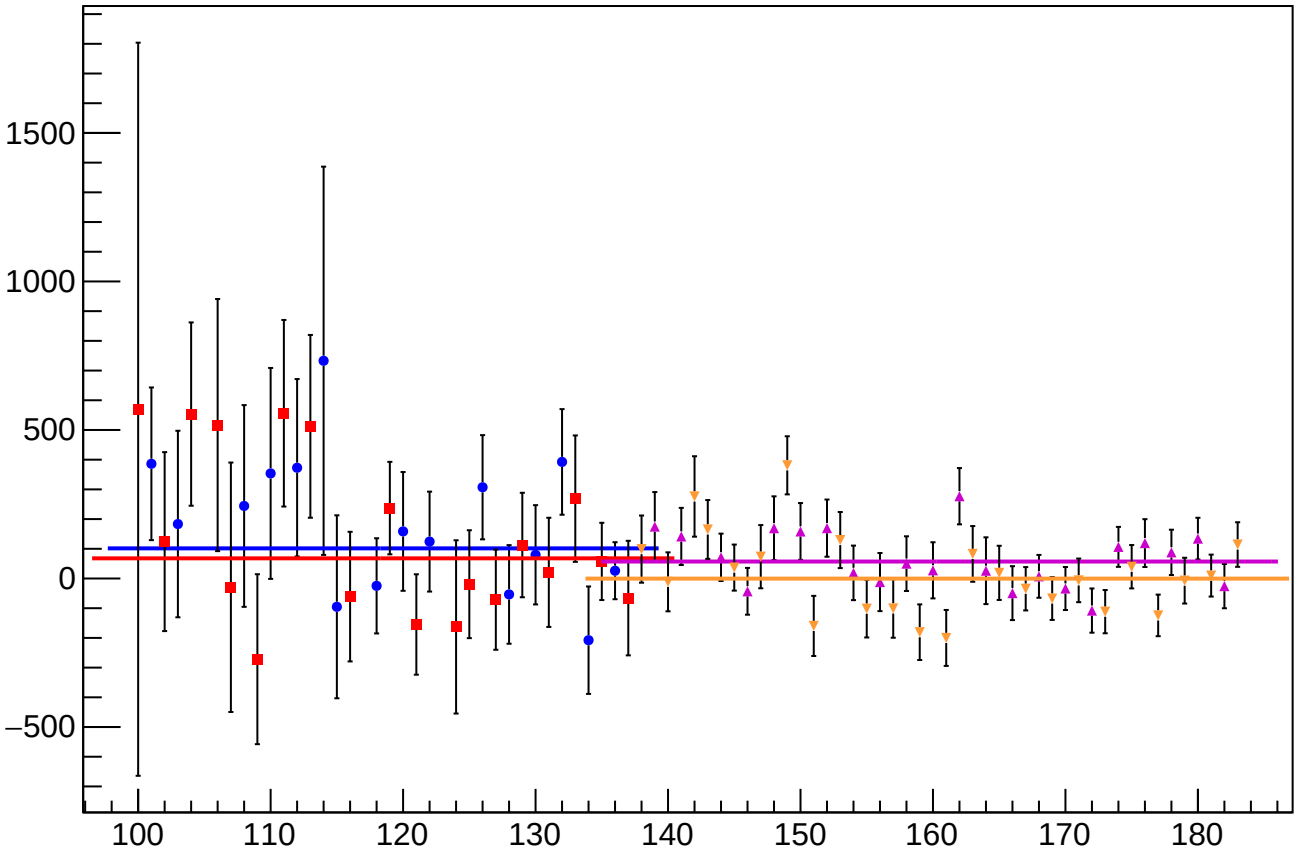
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -24.720+/-106.327 χ^2/NDF:53.5/37

Out: -269.872+/-104.696 χ^2/NDF:68.3/42

All: -149.191+/-74.601 χ^2/NDF: 124.4/80


asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
Right In: 1188.069+/-0.339 χ²/NDF: 2044666.3/15
Left Out: 445.329+/-0.076 χ²/NDF:3132820.7/23
Right Out: 1325.564+/-0.369 χ²/NDF: 1920986.7/18
Left In: 443.032+/-0.077 χ²/NDF:2659518.0/21
Left: 444.204+/-0.054 χ²/NDF: 5792791.2/45
Right: 1250.882+/-0.250 χ²/NDF: 4040963.9/34
In: 479.757+/-0.075 χ²/NDF:9305981.7/37
Out: 480.710+/-0.074 χ²/NDF:10508008.9/42
All: 480.241+/-0.053 χ²/NDF: 19814072.3/80



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -0.422+/-17.492 χ^2/NDF:48.4/23

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 57.108+/-18.067 χ^2/NDF:25.3/21

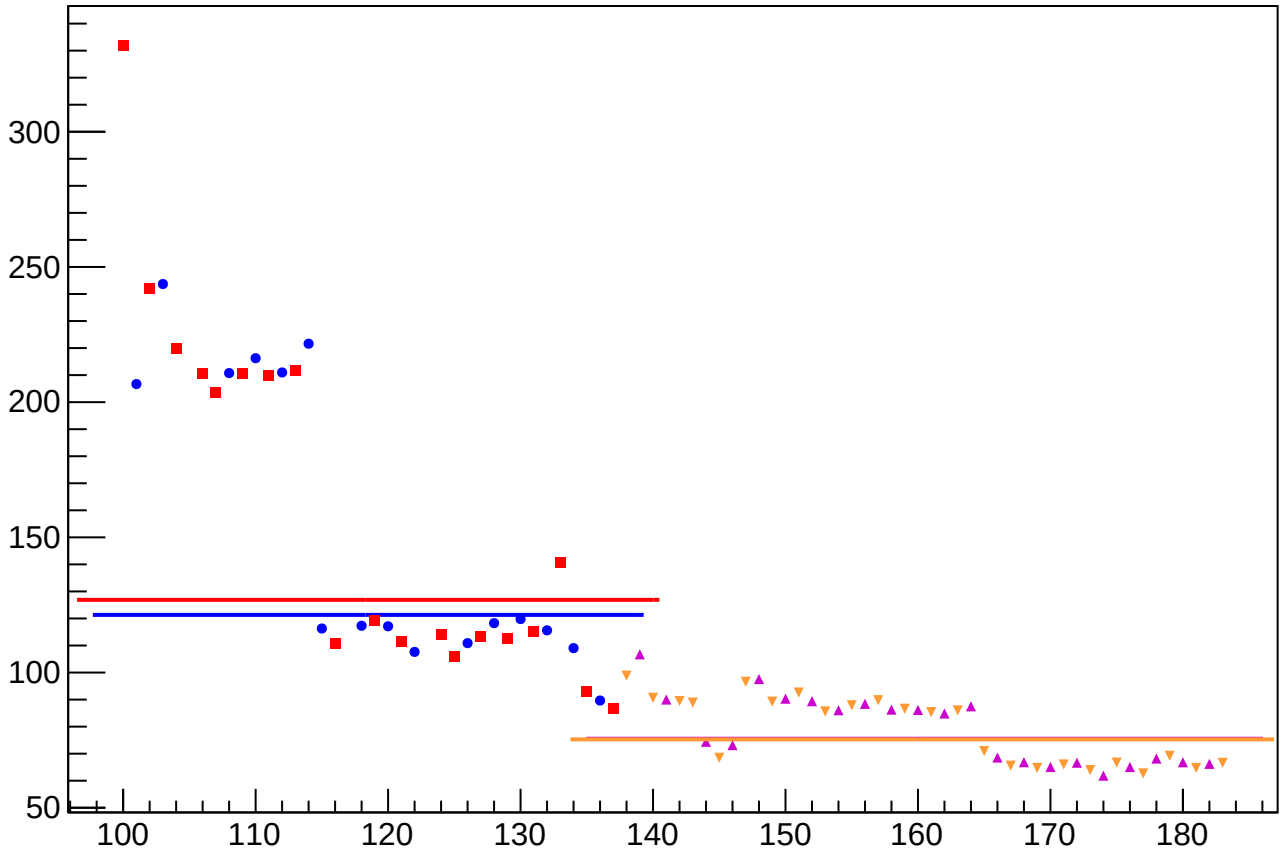
Left: 27.413+/-12.567 χ^2/NDF: 79.0/45

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 62.685+/-16.893 χ^2/NDF:39.5/37

Out: 7.207+/-16.486 χ^2/NDF:66.2/42

All: 34.271+/-11.799 χ^2/NDF: 111.2/80



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 75.285+/-0.012 χ^2/NDF:908285.2/23

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: 75.397+/-0.009 χ^2/NDF: 1738042.9/45

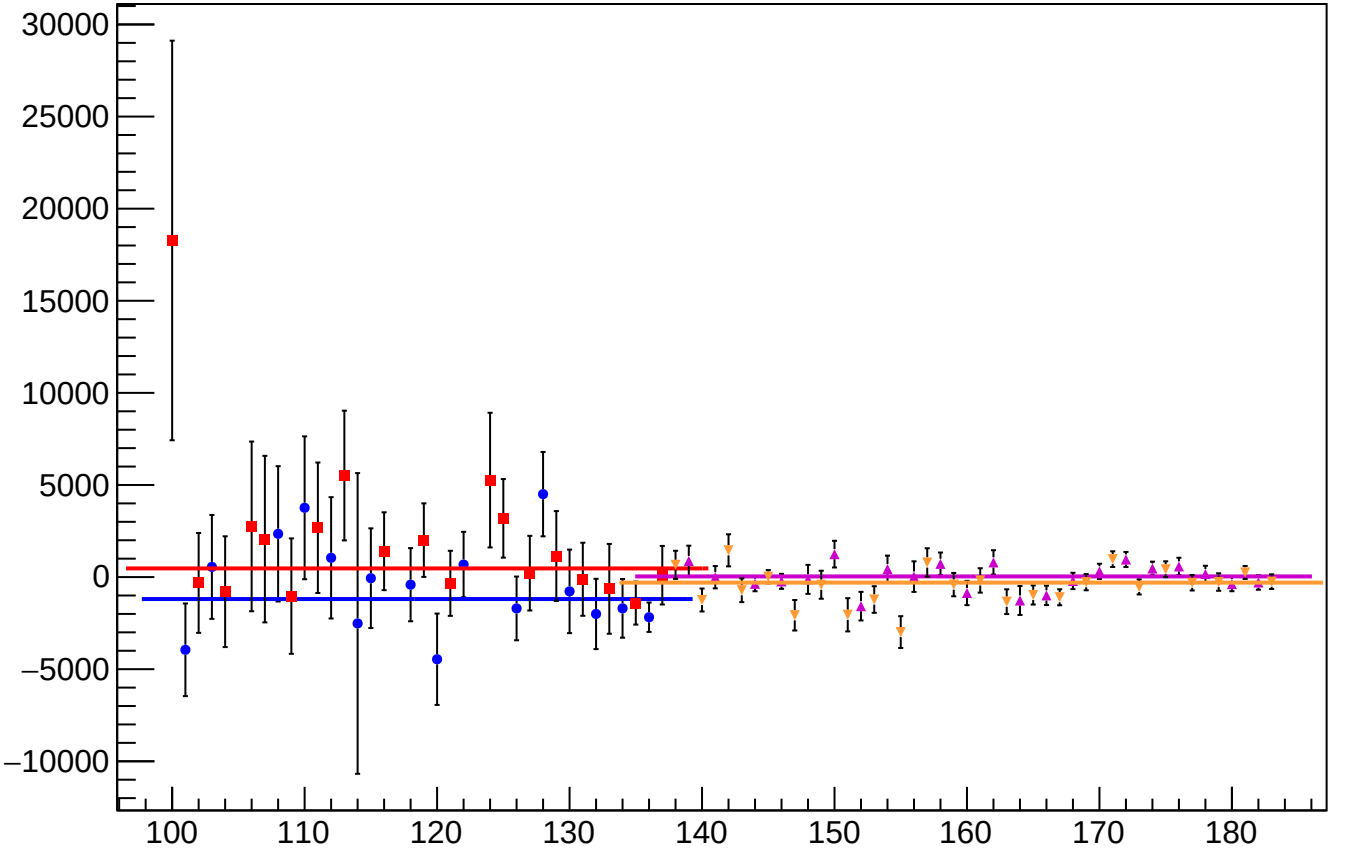
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 81.279+/-0.012 χ^2/NDF:3733465.3/37

Out: 81.050+/-0.012 χ^2/NDF:4318306.1/42

All: 81.161+/-0.008 χ^2/NDF: 8051959.4/80

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: -300.846+/-106.865 χ^2/NDF:52.8/23

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: -135.922+/-76.325 χ^2/NDF: 89.0/45

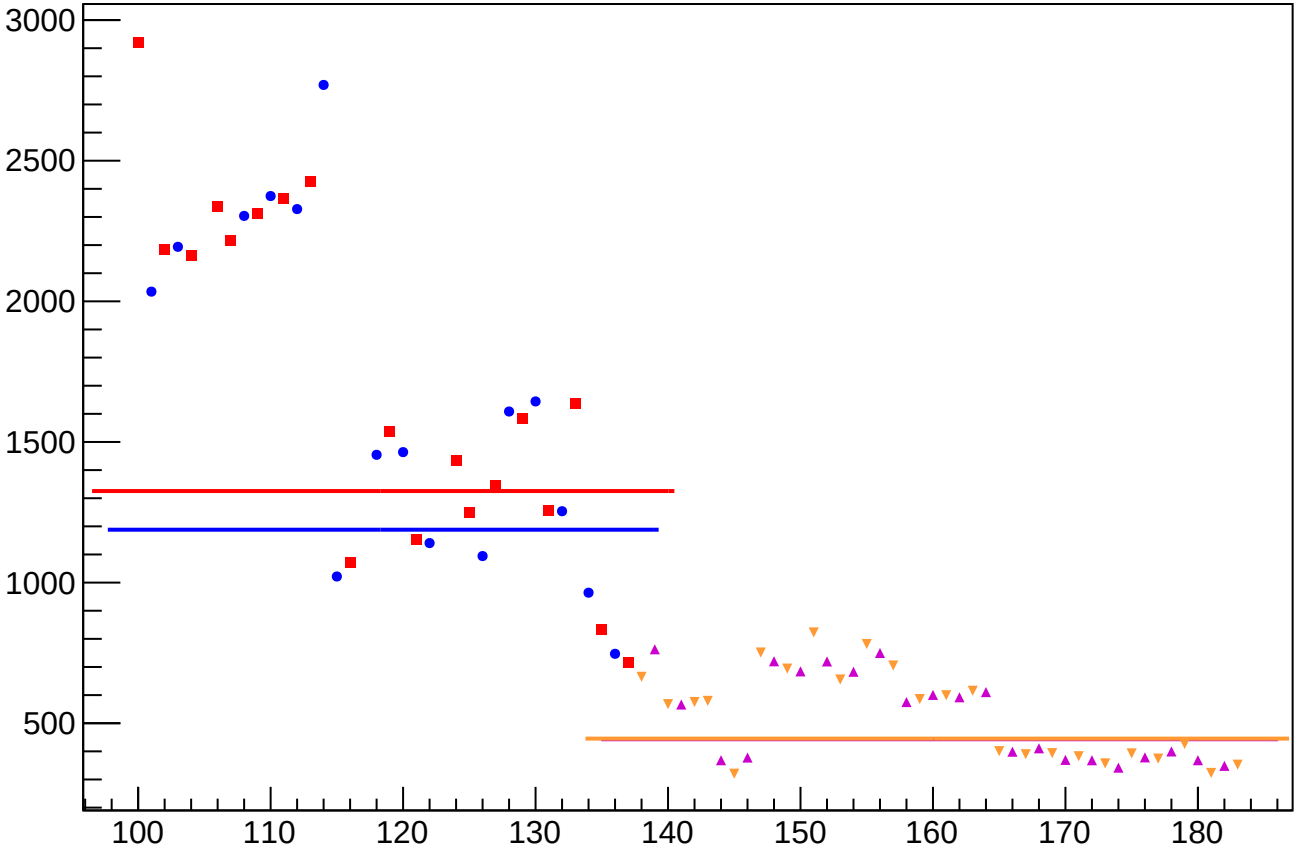
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -24.720+/-106.327 χ^2/NDF:53.5/37

Out: -269.872+/-104.696 χ^2/NDF:68.3/42

All: -149.191+/-74.601 χ^2/NDF: 124.4/80

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: 445.329+/-0.076 χ^2/NDF:3132820.7/23

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 443.032+/-0.077 χ^2/NDF:2659518.0/21

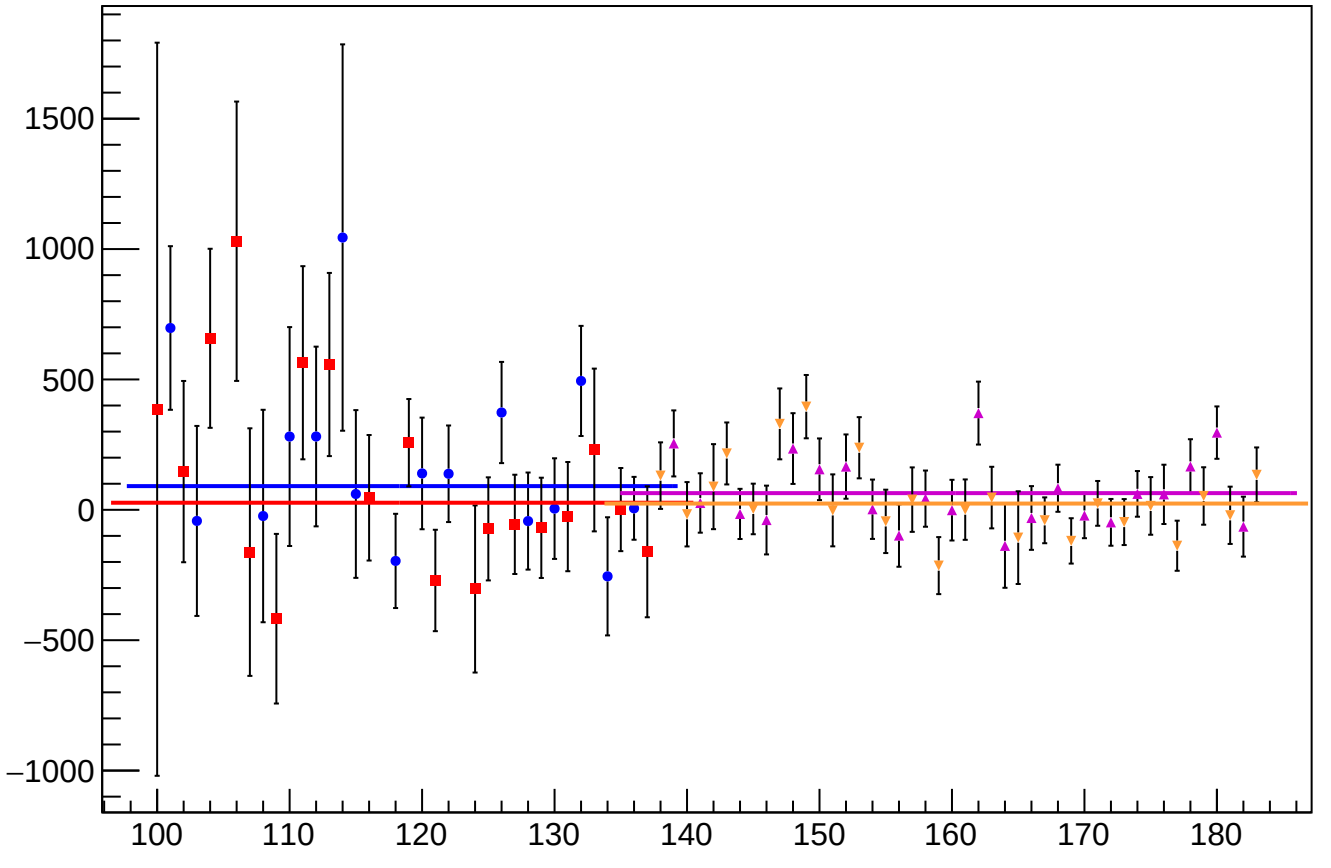
Left: 444.204+/-0.054 χ^2/NDF: 5792791.2/45

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 479.757+/-0.075 χ^2/NDF:9305981.7/37

Out: 480.710+/-0.074 χ^2/NDF:10508008.9/42

All: 480.241+/-0.053 χ^2/NDF: 19814072.3/80



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 24.015+/-22.614 χ^2/NDF:35.2/23

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: 43.362+/-16.251 χ^2/NDF: 64.5/45

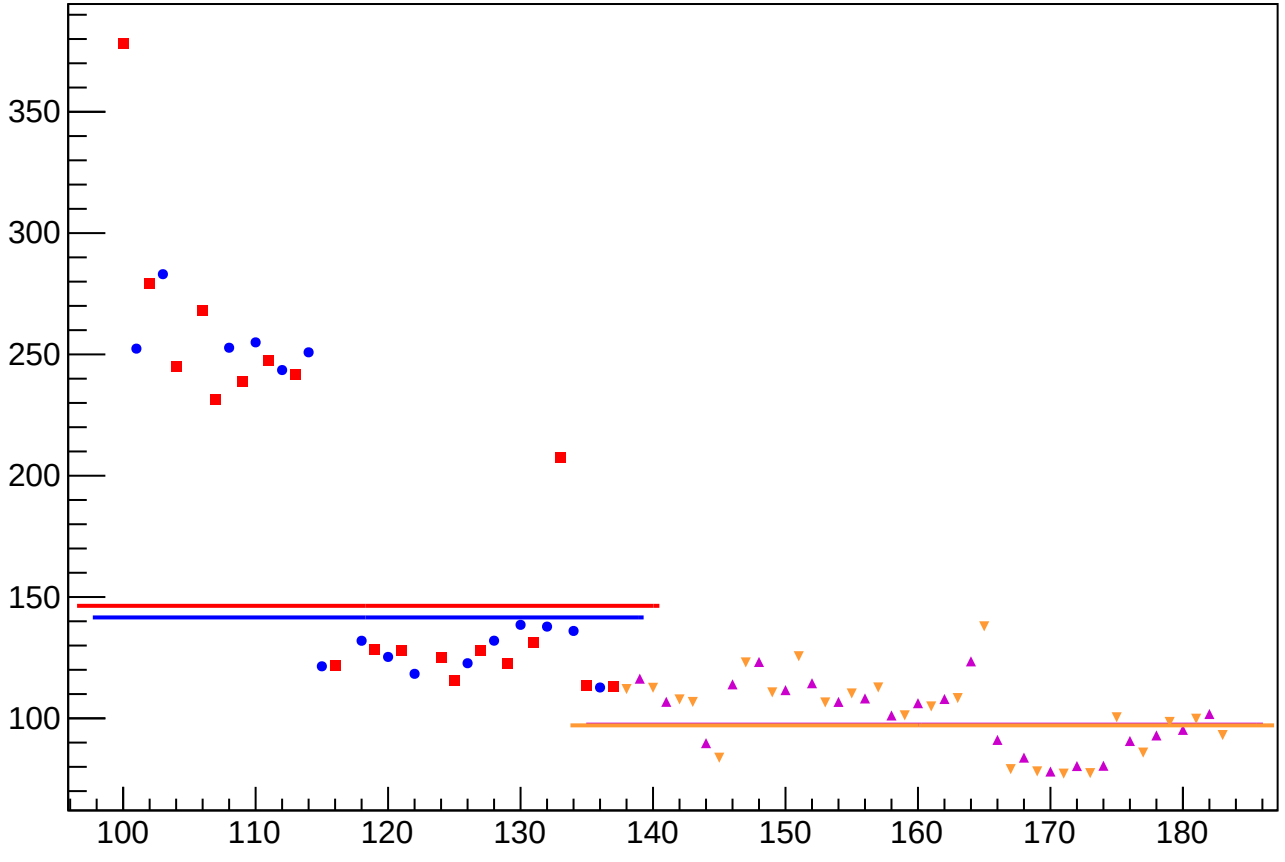
Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 68.064+/-21.541 χ^2/NDF:46.1/37

Out: 24.444+/-21.021 χ^2/NDF:55.7/42

All: 45.720+/-15.045 χ^2/NDF: 103.9/80

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.101+/-0.016 χ^2/NDF:925586.3/23

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 97.397+/-0.017 χ^2/NDF:665442.4/21

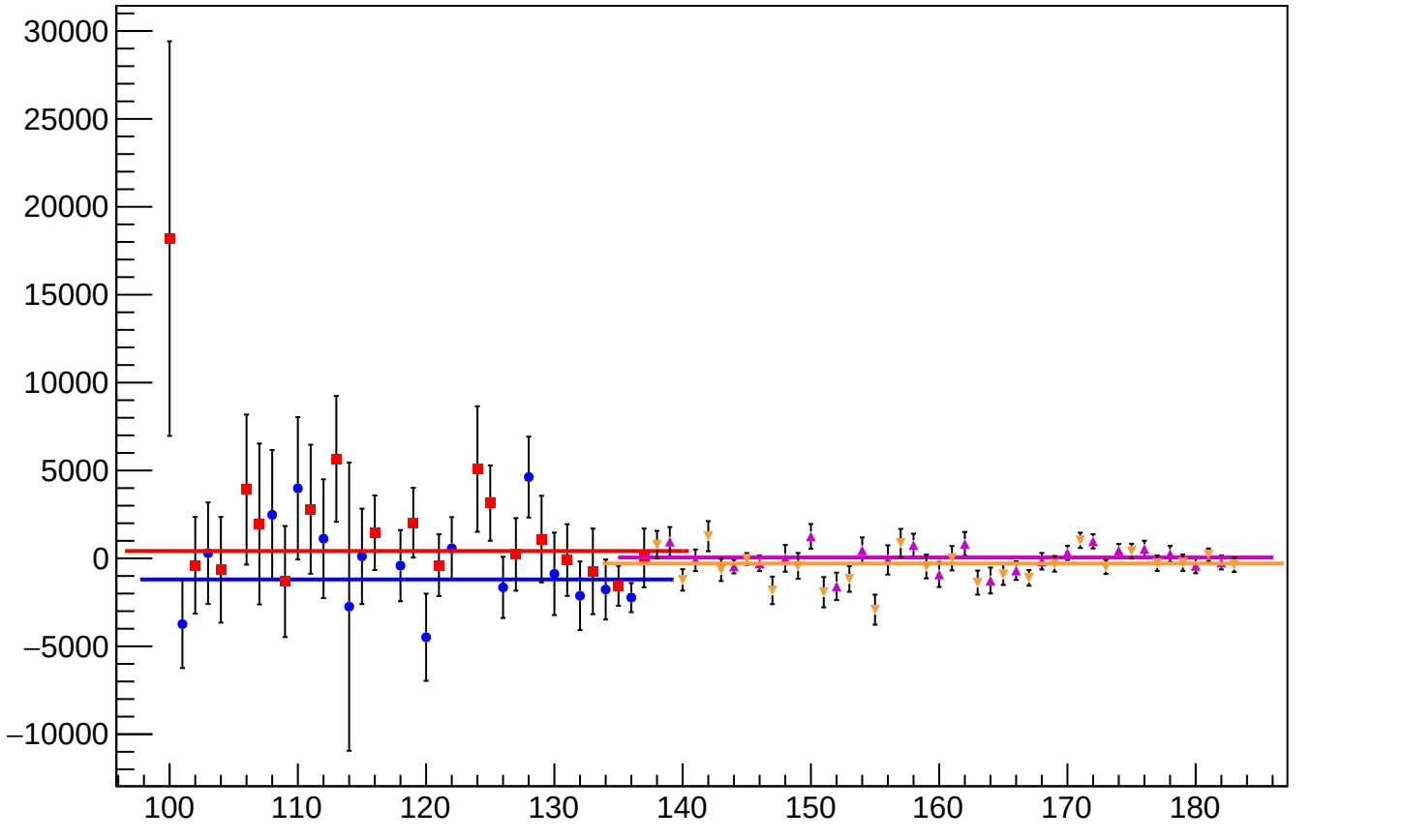
Left: 97.244+/-0.011 χ^2/NDF: 1591193.9/45

Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 104.038+/-0.015 χ^2/NDF:3002627.5/37

Out: 103.798+/-0.015 χ^2/NDF:3729597.4/42

All: 103.915+/-0.011 χ^2/NDF: 6732352.2/80



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -291.097+/-107.647 χ^2/NDF:50.1/23

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: 51.828+/-110.417 χ^2/NDF:30.7/21

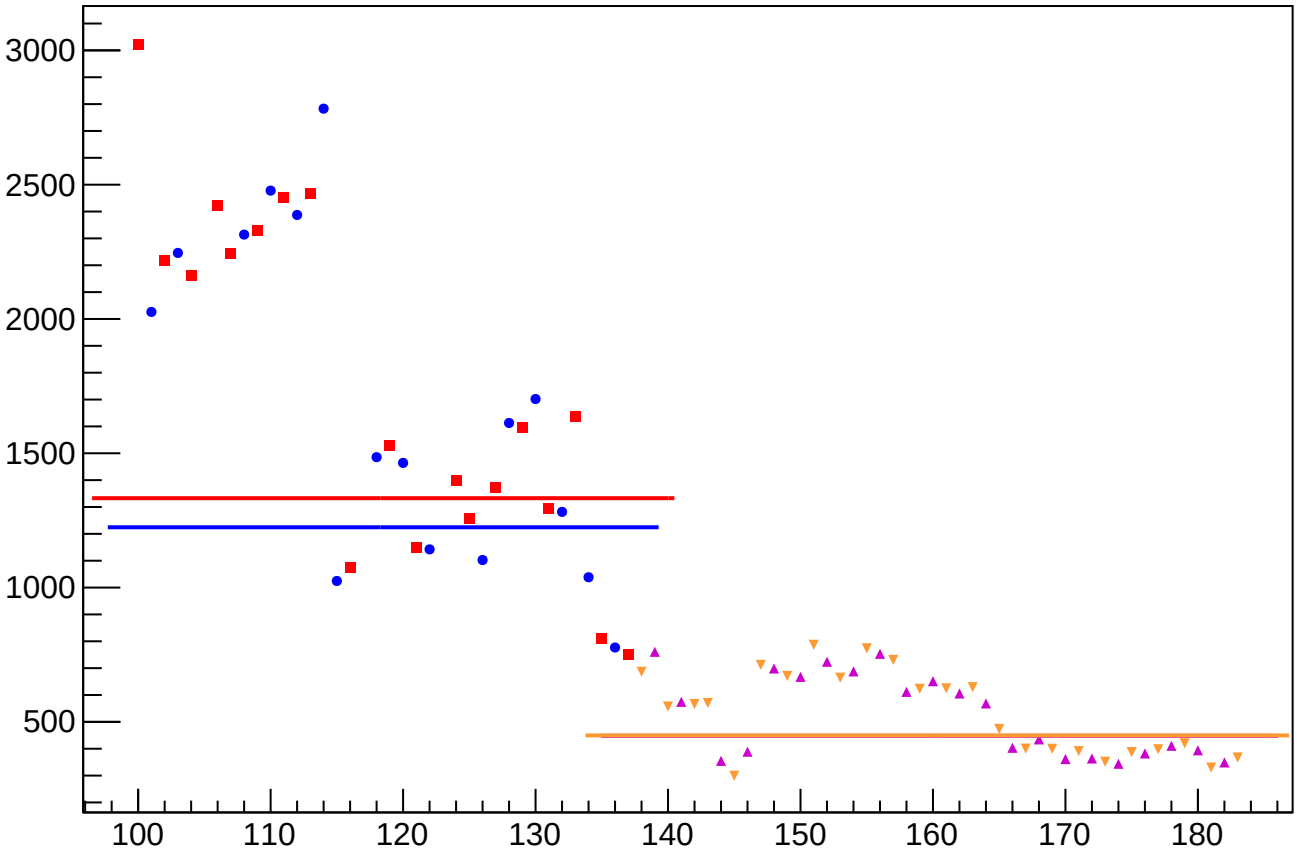
Left: -123.991+/-77.079 χ^2/NDF: 85.8/45

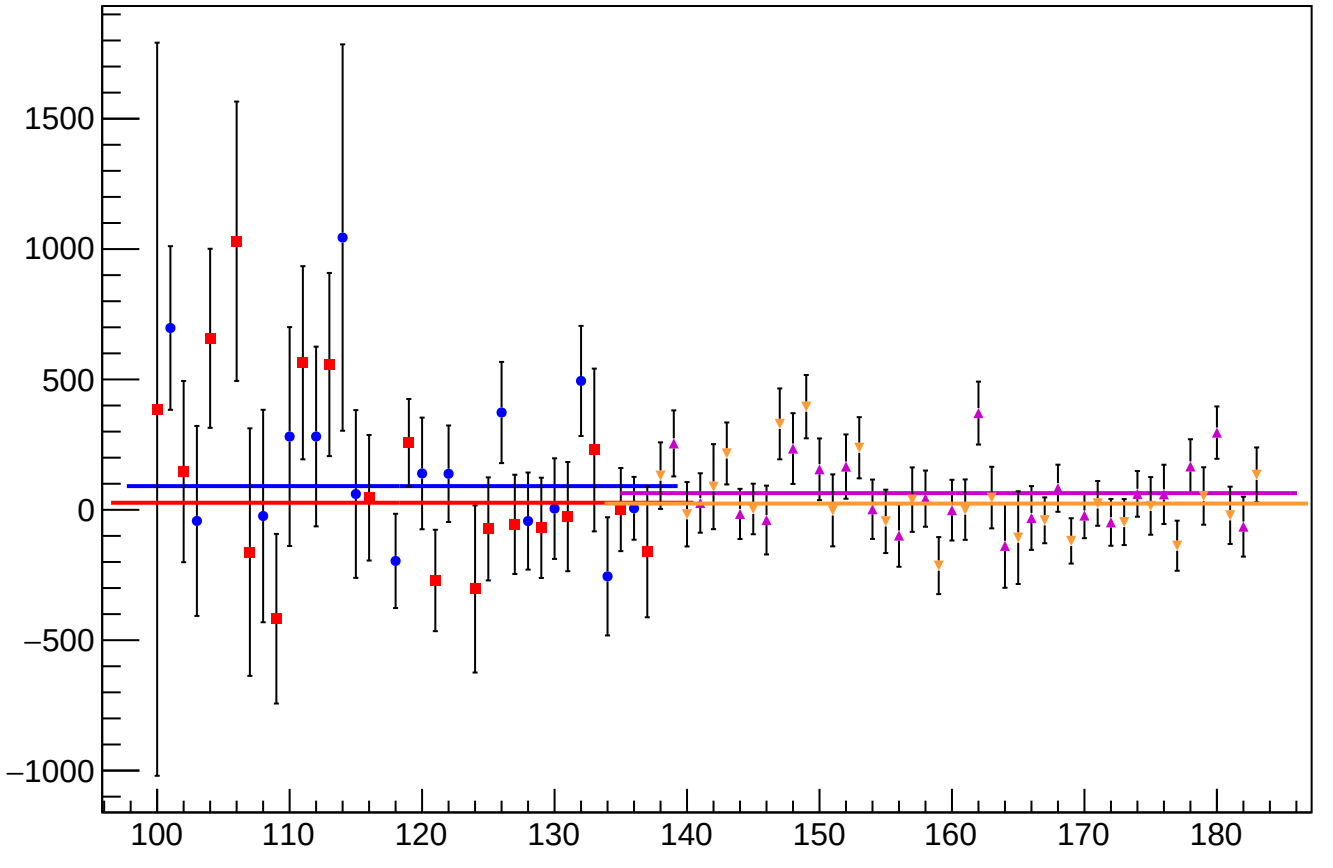
Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: -8.183+/-107.731 χ^2/NDF:52.9/37

Out: -262.197+/-105.443 χ^2/NDF:66.2/42

All: -137.915+/-75.355 χ^2/NDF: 121.9/80


asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
Right In: 1224.470+/-0.347 χ²/NDF: 1959362.3/15
Left Out: 449.554+/-0.076 χ²/NDF:3162704.9/23
Right Out: 1332.785+/-0.370 χ²/NDF: 1994811.5/18
Left In: 447.991+/-0.078 χ²/NDF:2676129.8/21
Left: 448.792+/-0.055 χ²/NDF: 5839040.1/45
Right: 1275.169+/-0.253 χ²/NDF: 3999659.2/34
In: 485.313+/-0.076 χ²/NDF:9389436.6/37
Out: 485.340+/-0.075 χ²/NDF:10612935.6/42
All: 485.327+/-0.053 χ²/NDF: 20002372.3/80



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 24.013+/-22.614 χ^2/NDF:35.2/23

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: 43.361+/-16.251 χ^2/NDF: 64.5/45

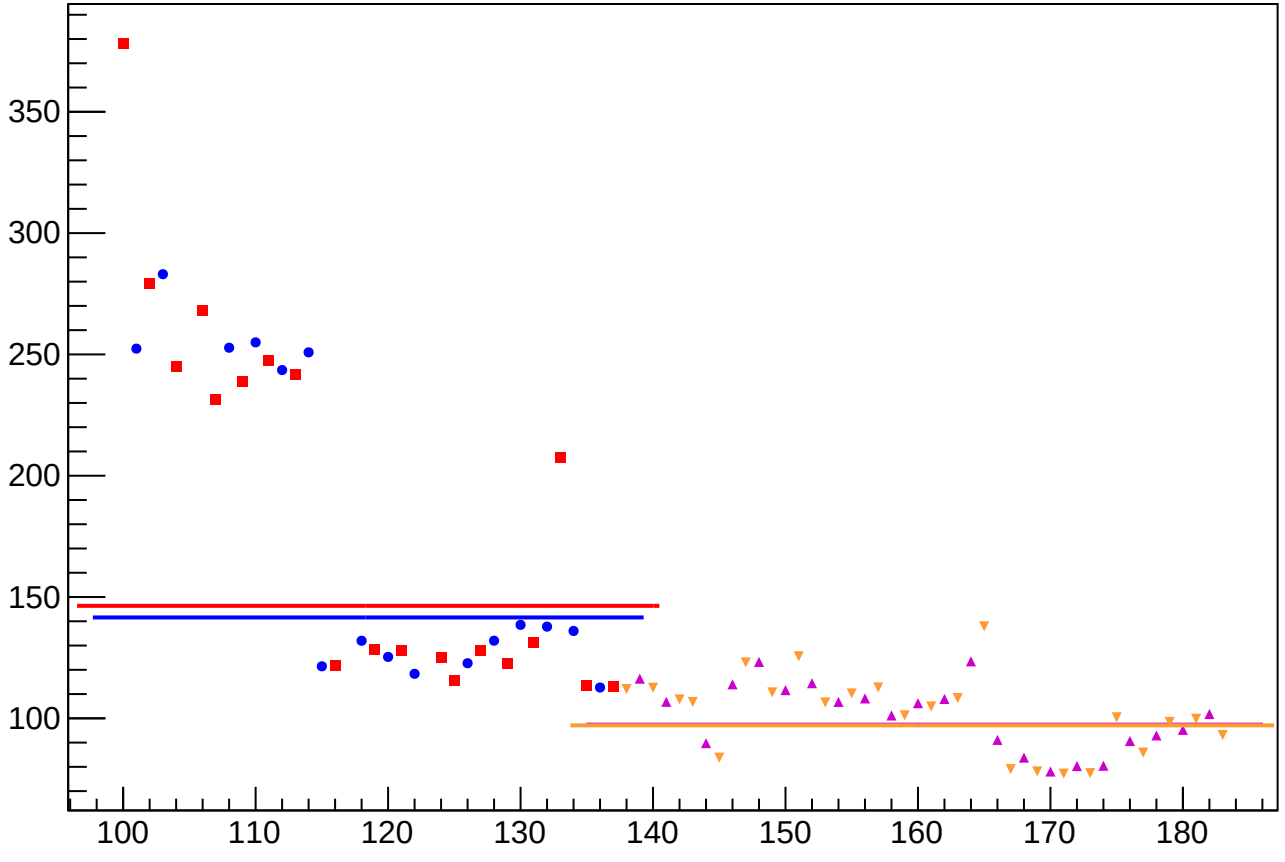
Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 68.064+/-21.541 χ^2/NDF:46.1/37

Out: 24.443+/-21.021 χ^2/NDF:55.7/42

All: 45.720+/-15.045 χ^2/NDF: 103.9/80

eigen_dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.102+/-0.016 χ^2/NDF:925587.2/23

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: 97.245+/-0.011 χ^2/NDF: 1591184.0/45

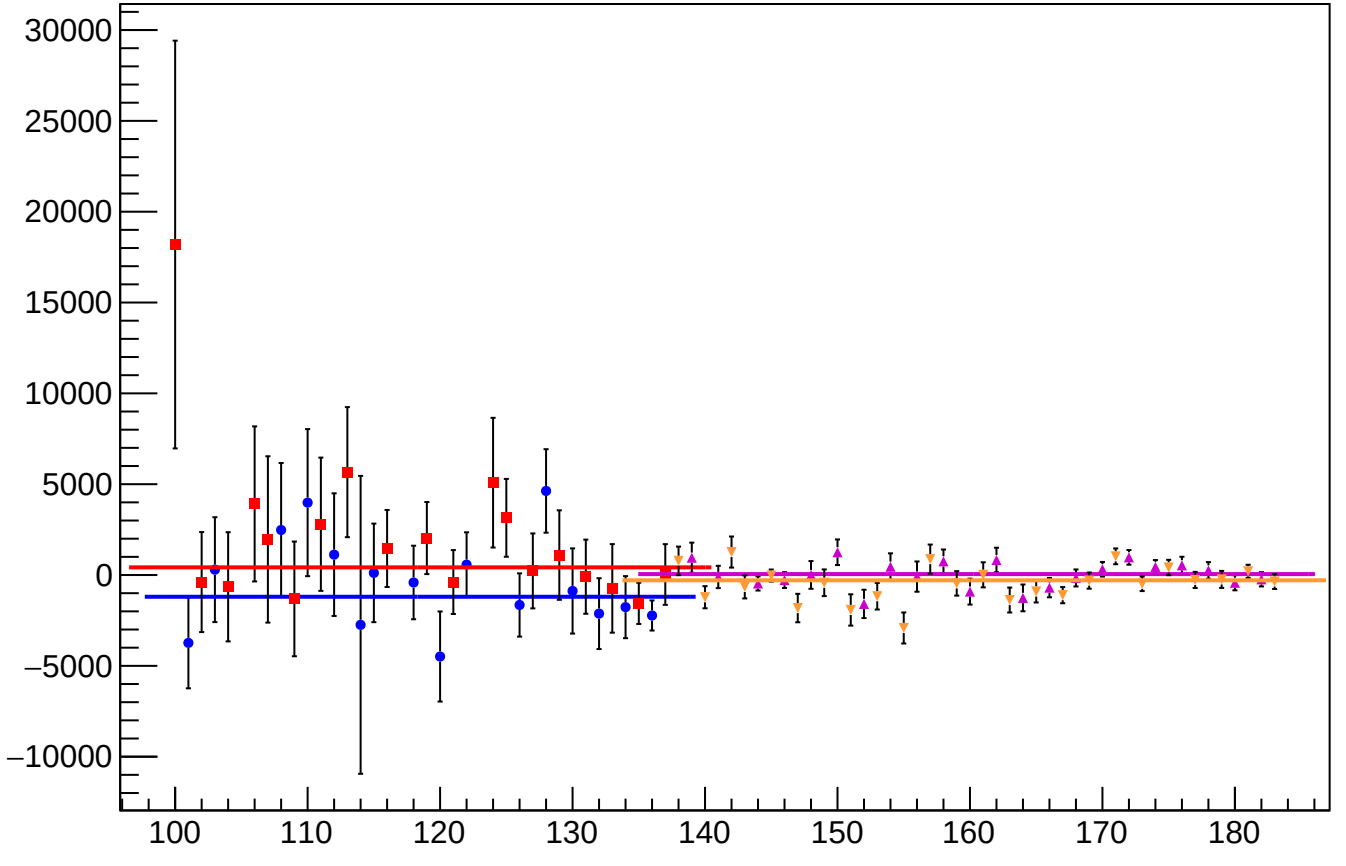
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 104.039+/-0.015 χ^2/NDF:3002556.1/37

Out: 103.798+/-0.015 χ^2/NDF:3729557.5/42

All: 103.916+/-0.011 χ^2/NDF: 6732241.0/80

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -291.096+/-107.646 χ^2/NDF:50.1/23

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: -123.991+/-77.078 χ^2/NDF: 85.8/45

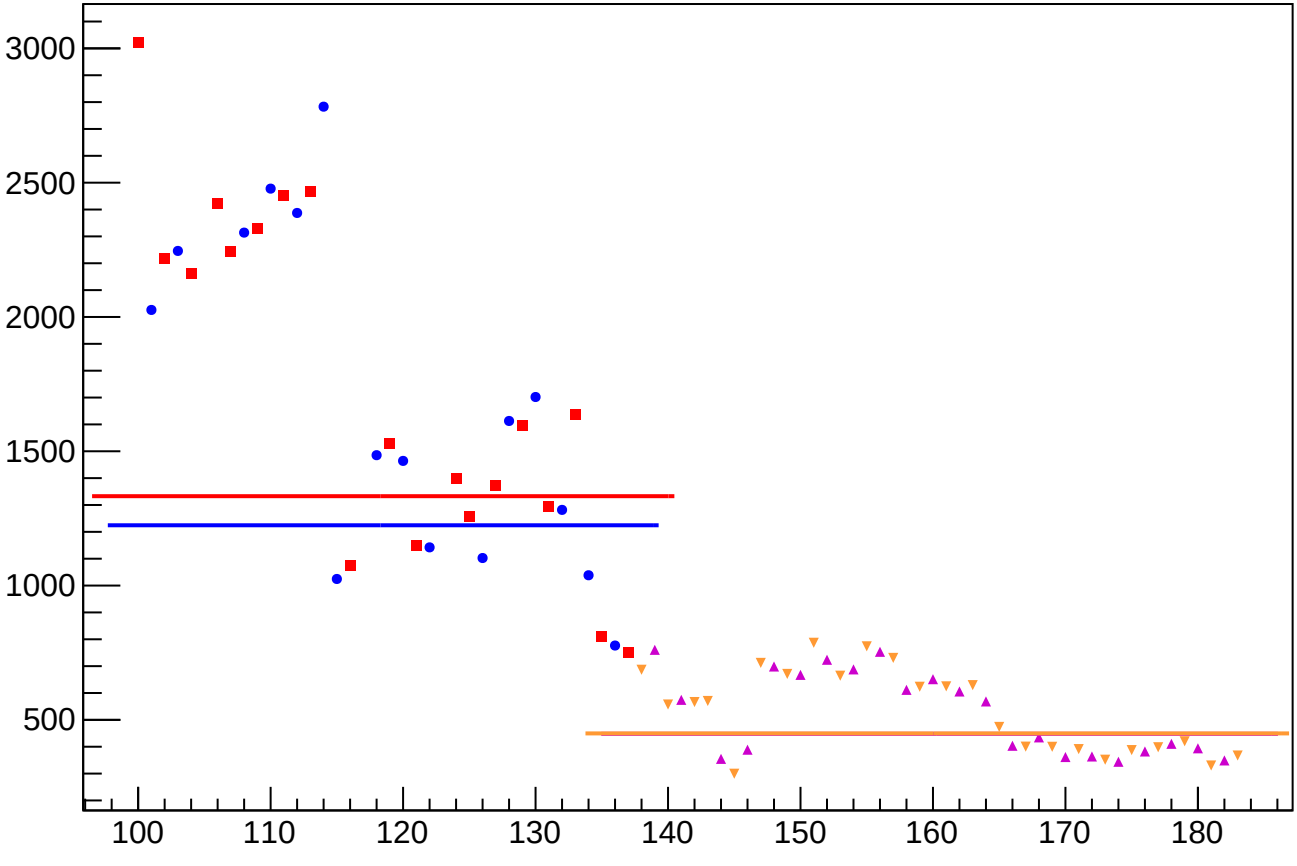
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -8.182+/-107.731 χ^2/NDF:52.9/37

Out: -262.196+/-105.443 χ^2/NDF:66.2/42

All: -137.915+/-75.355 χ^2/NDF: 121.9/80

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: 449.553+/-0.076 χ^2/NDF:3162729.9/23

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 447.991+/-0.078 χ^2/NDF:2676141.8/21

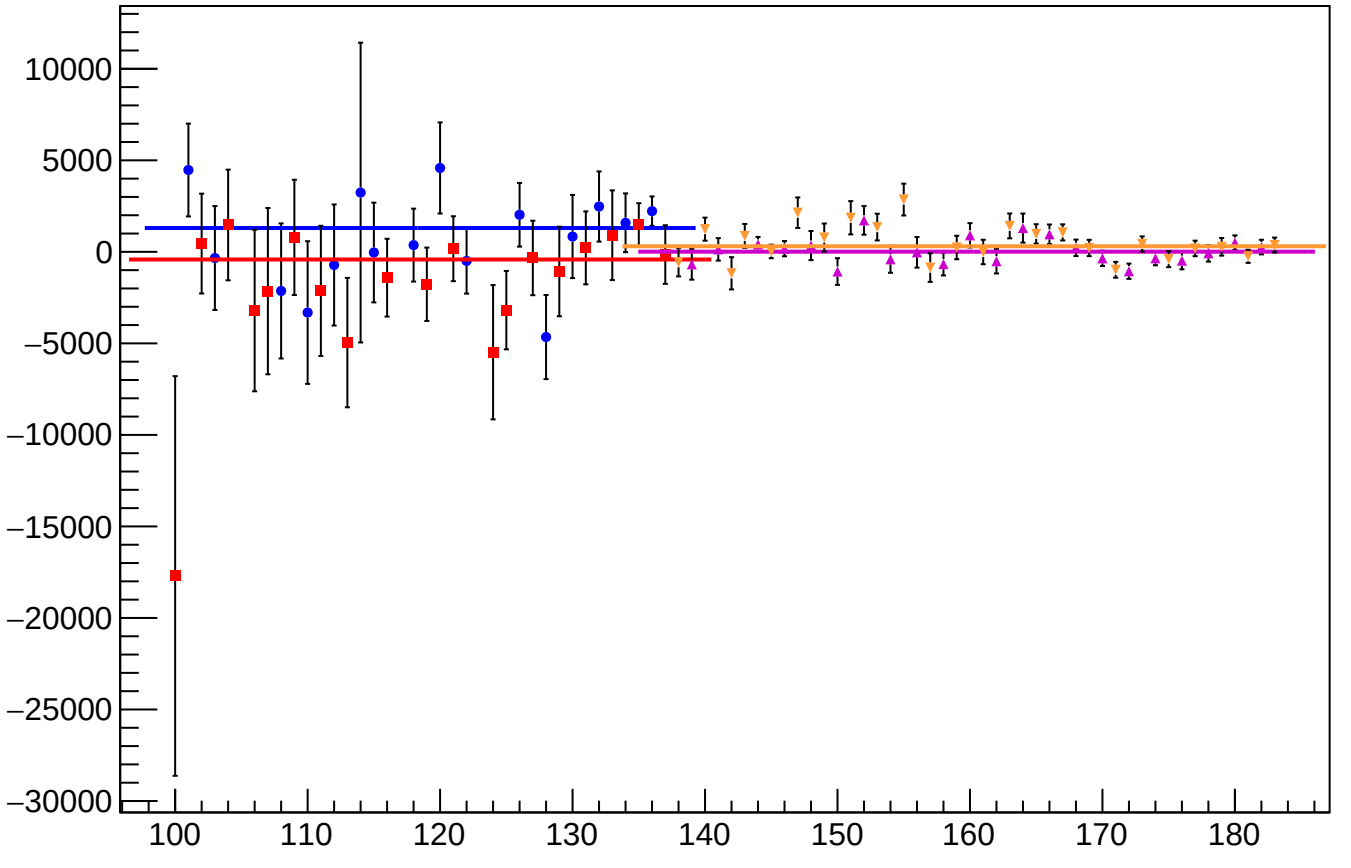
Left: 448.792+/-0.055 χ^2/NDF: 5839077.0/45

Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 485.313+/-0.076 χ^2/NDF:9389438.2/37

Out: 485.340+/-0.075 χ^2/NDF:10612954.3/42

All: 485.327+/-0.053 χ^2/NDF: 20002392.6/80



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 305.865+/-108.449 χ^2/NDF:50.2/23

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: 160.580+/-77.472 χ^2/NDF: 84.0/45

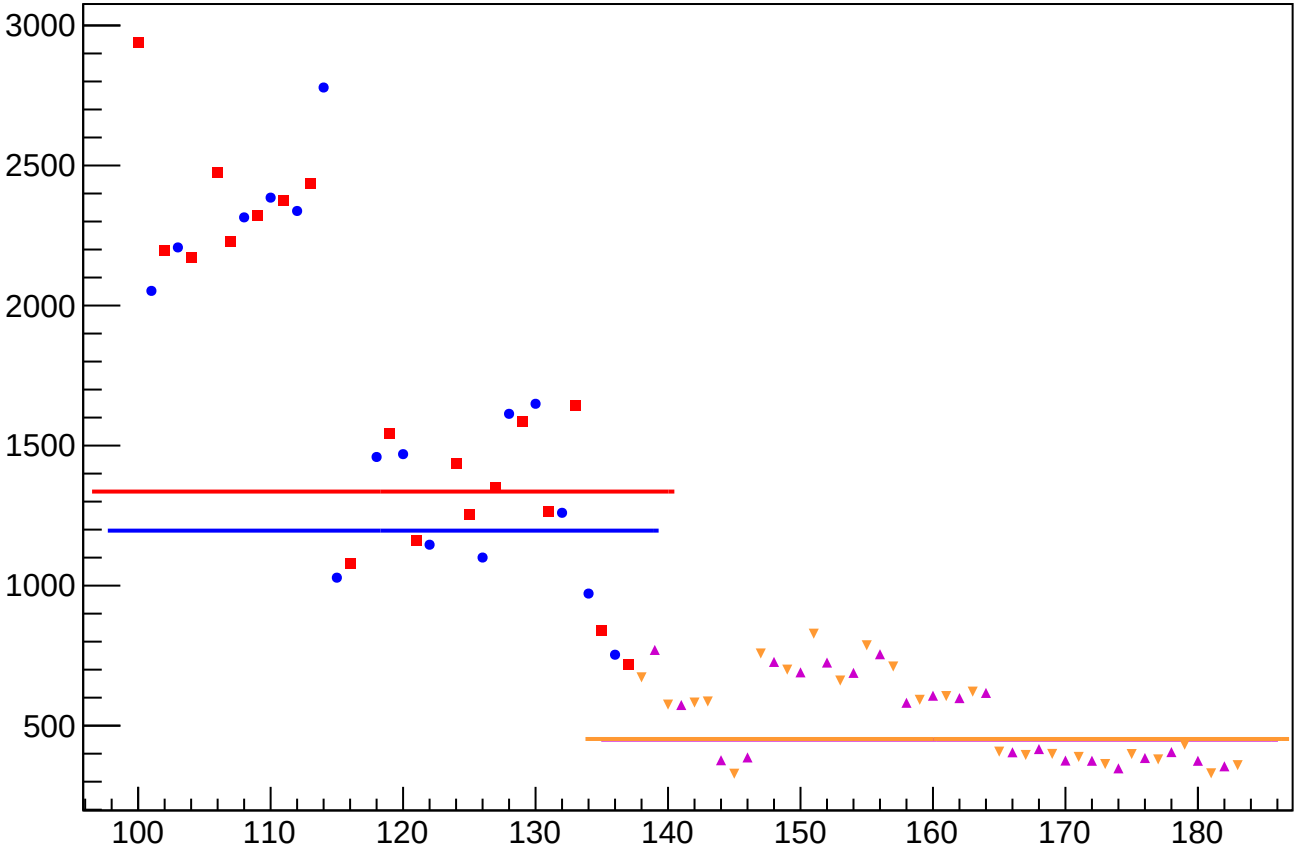
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 73.953+/-107.900 χ^2/NDF:53.5/37

Out: 276.177+/-106.203 χ^2/NDF:65.1/42

All: 176.668+/-75.689 χ^2/NDF: 120.3/80

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 452.450+/-0.077 χ^2/NDF:3058256.8/23

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 450.246+/-0.078 χ^2/NDF:2598474.0/21

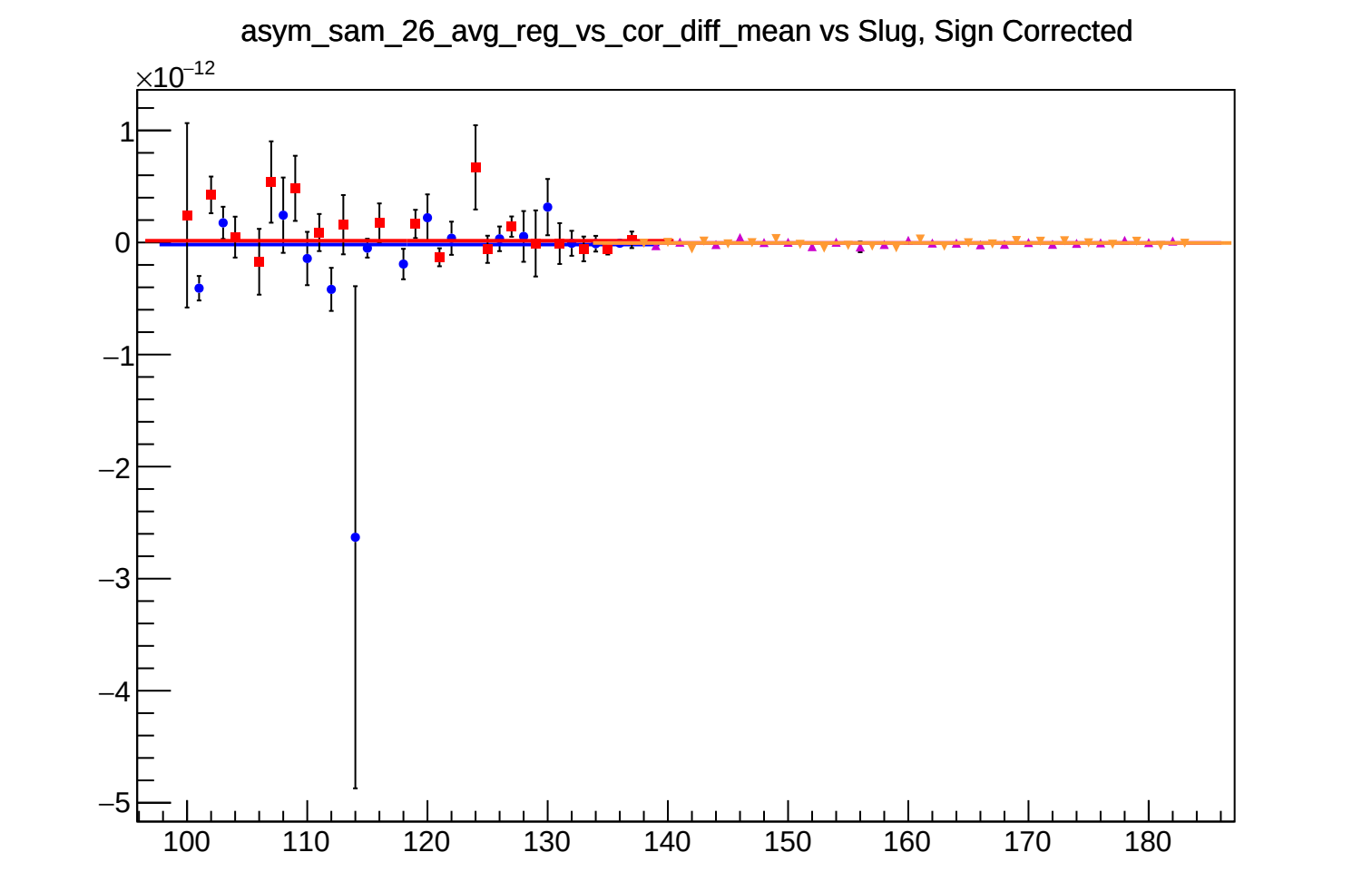
Left: 451.371+/-0.055 χ^2/NDF: 5657135.3/45

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 487.642+/-0.076 χ^2/NDF:9183006.1/37

Out: 488.665+/-0.075 χ^2/NDF:10449842.1/42

All: 488.162+/-0.054 χ^2/NDF: 19632939.6/80



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.7/21

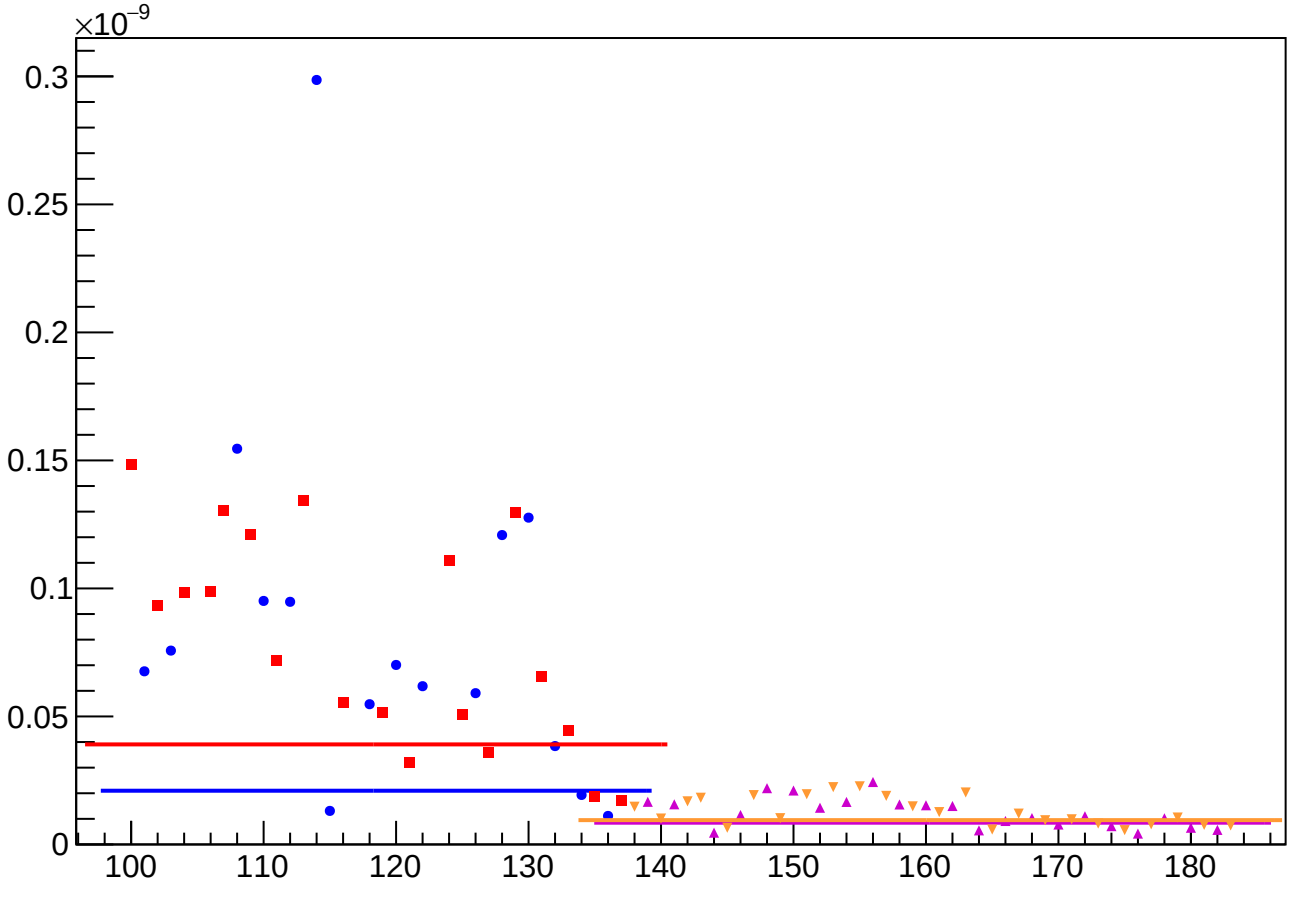
Left: -0.000+/-0.000 χ^2/NDF: 37.9/45

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:47.3/42

All: -0.000+/-0.000 χ^2/NDF: 91.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2421822.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2732733.9/21

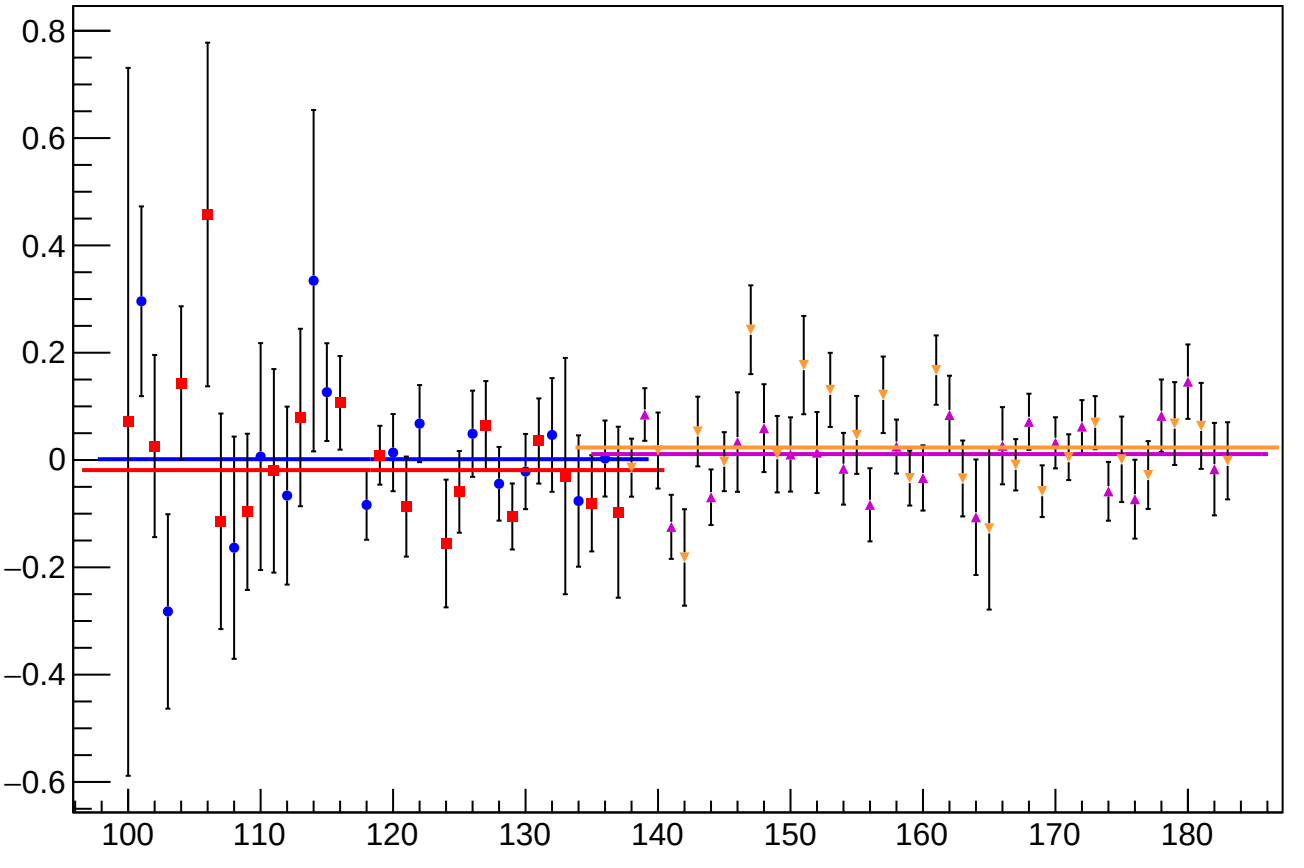
Left: 0.000+/-0.000 χ^2/NDF: 5221151.5/45

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:6751597.2/42

All: 0.000+/-0.000 χ^2/NDF: 13879746.7/80



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:34.1/23

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: 0.017+/-0.009 χ^2/NDF: 60.2/45

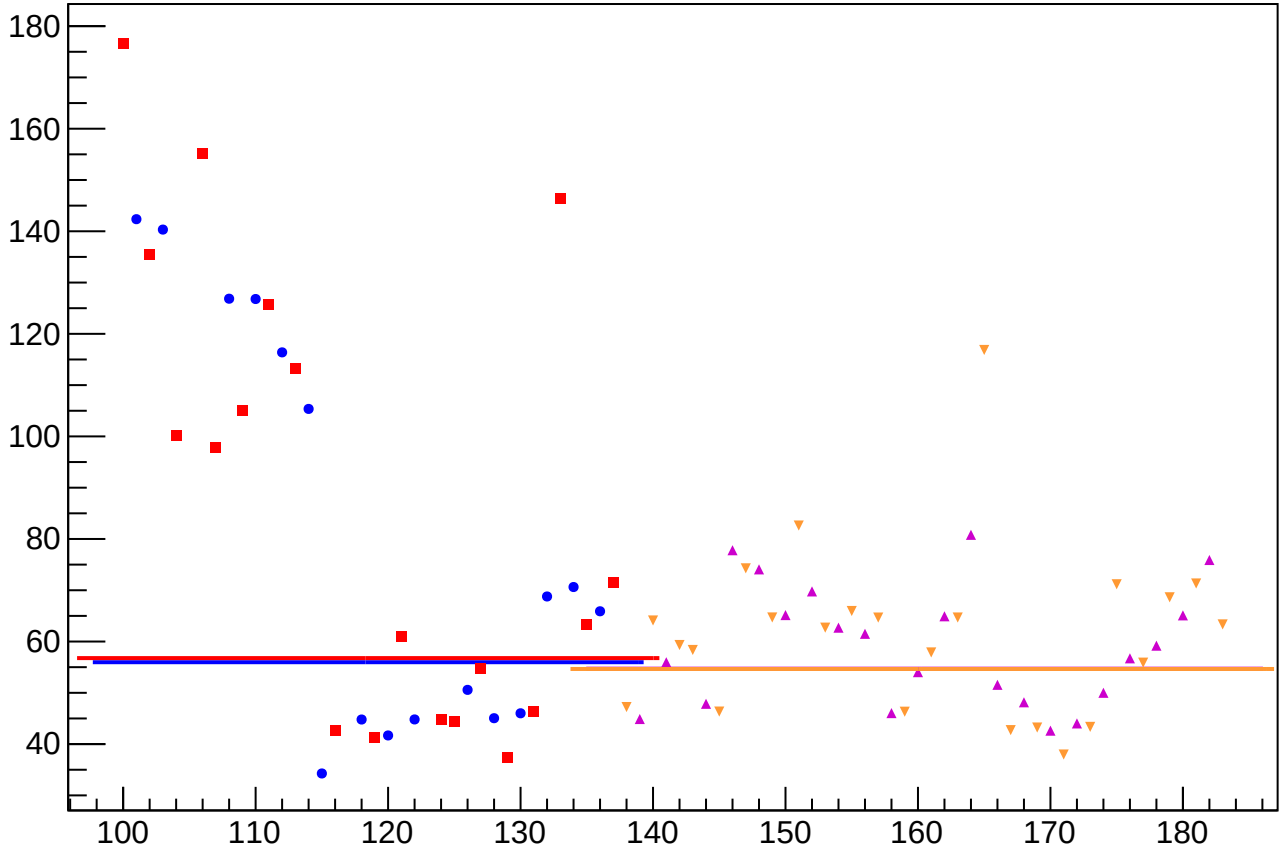
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.009+/-0.012 χ^2/NDF:38.9/37

Out: 0.014+/-0.011 χ^2/NDF:49.7/42

All: 0.011+/-0.008 χ^2/NDF: 88.7/80

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 54.650+/-0.009 χ^2/NDF:1935418.8/23

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: 54.678+/-0.007 χ^2/NDF: 3126001.4/45

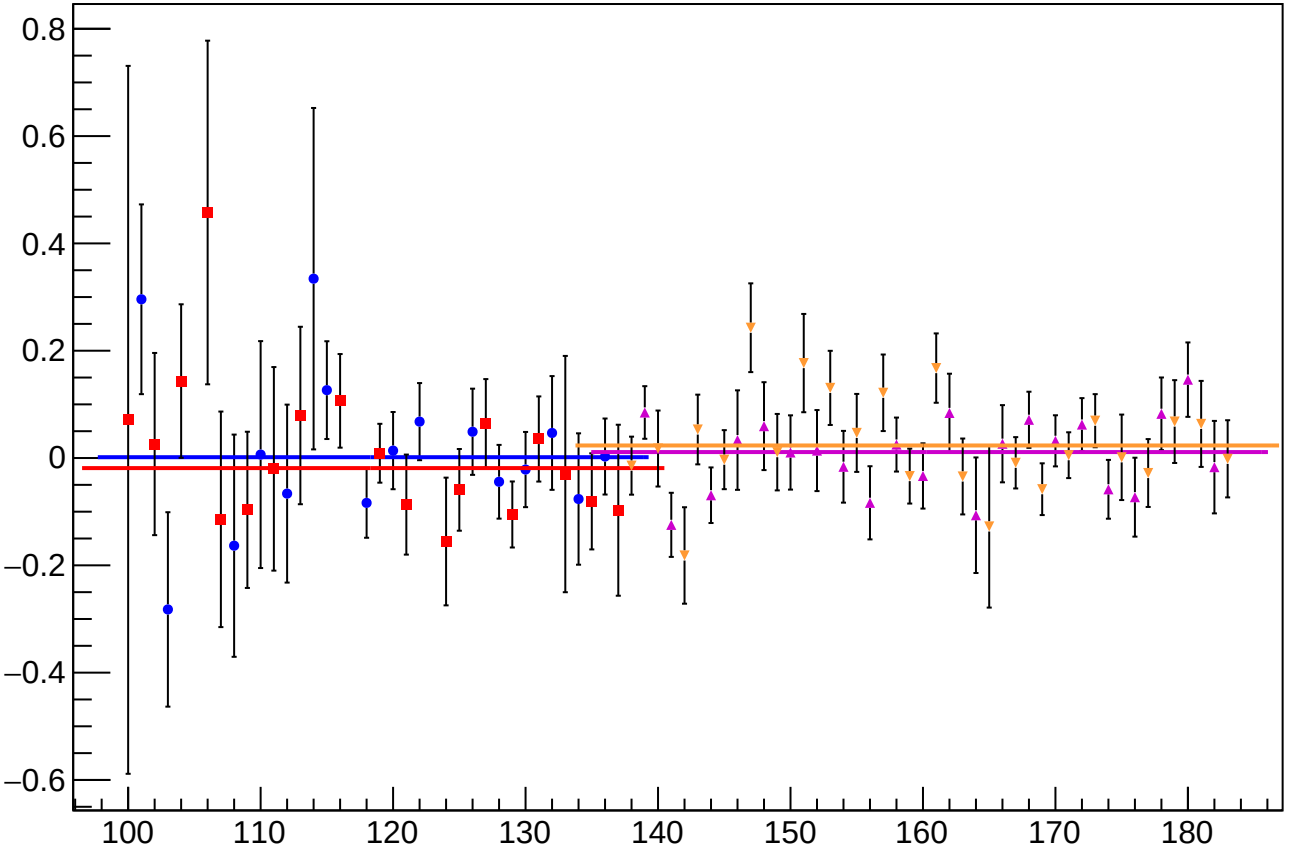
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 55.017+/-0.008 χ^2/NDF:3374766.7/37

Out: 55.148+/-0.008 χ^2/NDF:4501084.4/42

All: 55.084+/-0.006 χ^2/NDF: 7875978.8/80

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:34.1/23

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.011+/-0.013 χ^2/NDF:25.7/21

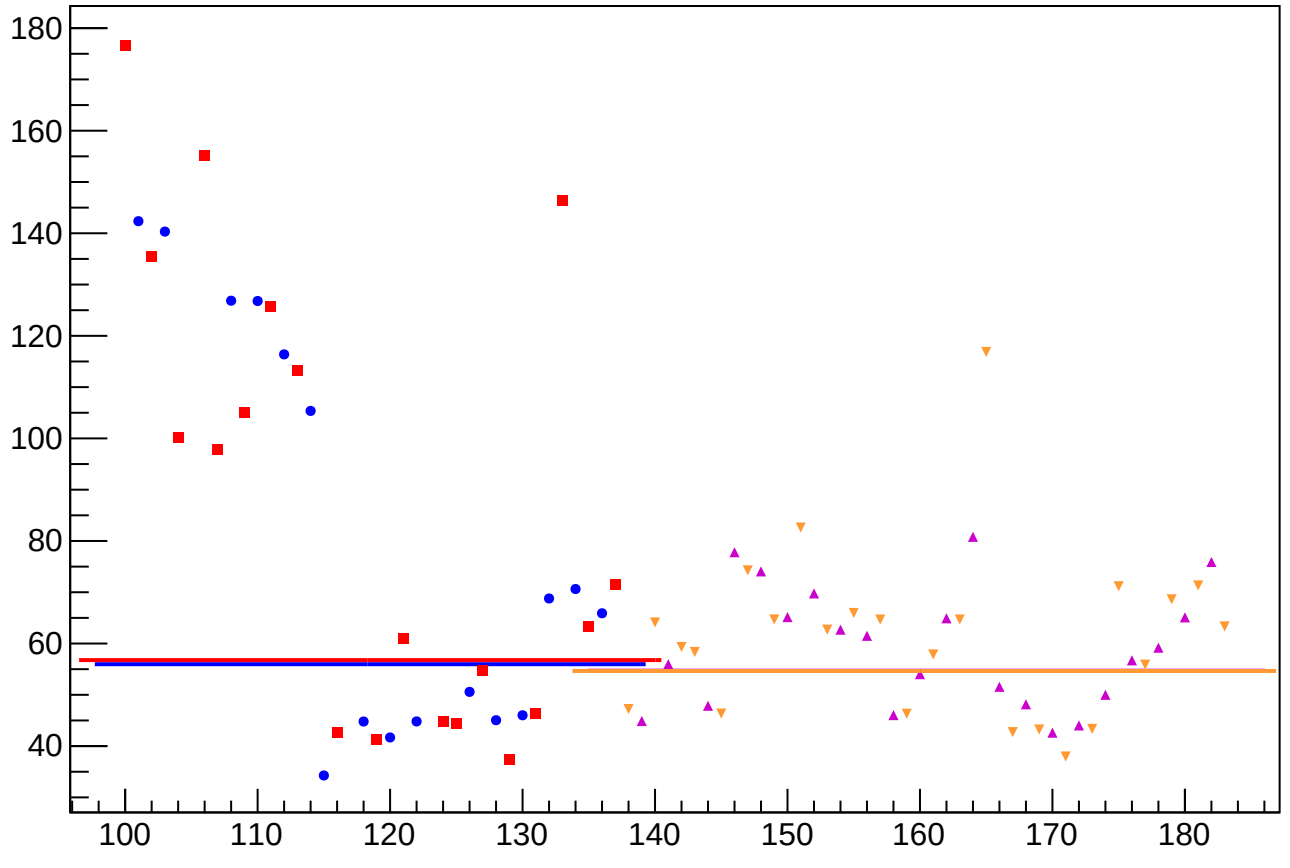
Left: 0.017+/-0.009 χ^2/NDF: 60.2/45

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+/-0.011 χ^2/NDF:49.7/42

All: 0.011+/-0.008 χ^2/NDF: 88.7/80



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 54.650+/-0.009 χ^2/NDF:1935418.8/23

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.707+/-0.009 χ^2/NDF:1190564.1/21

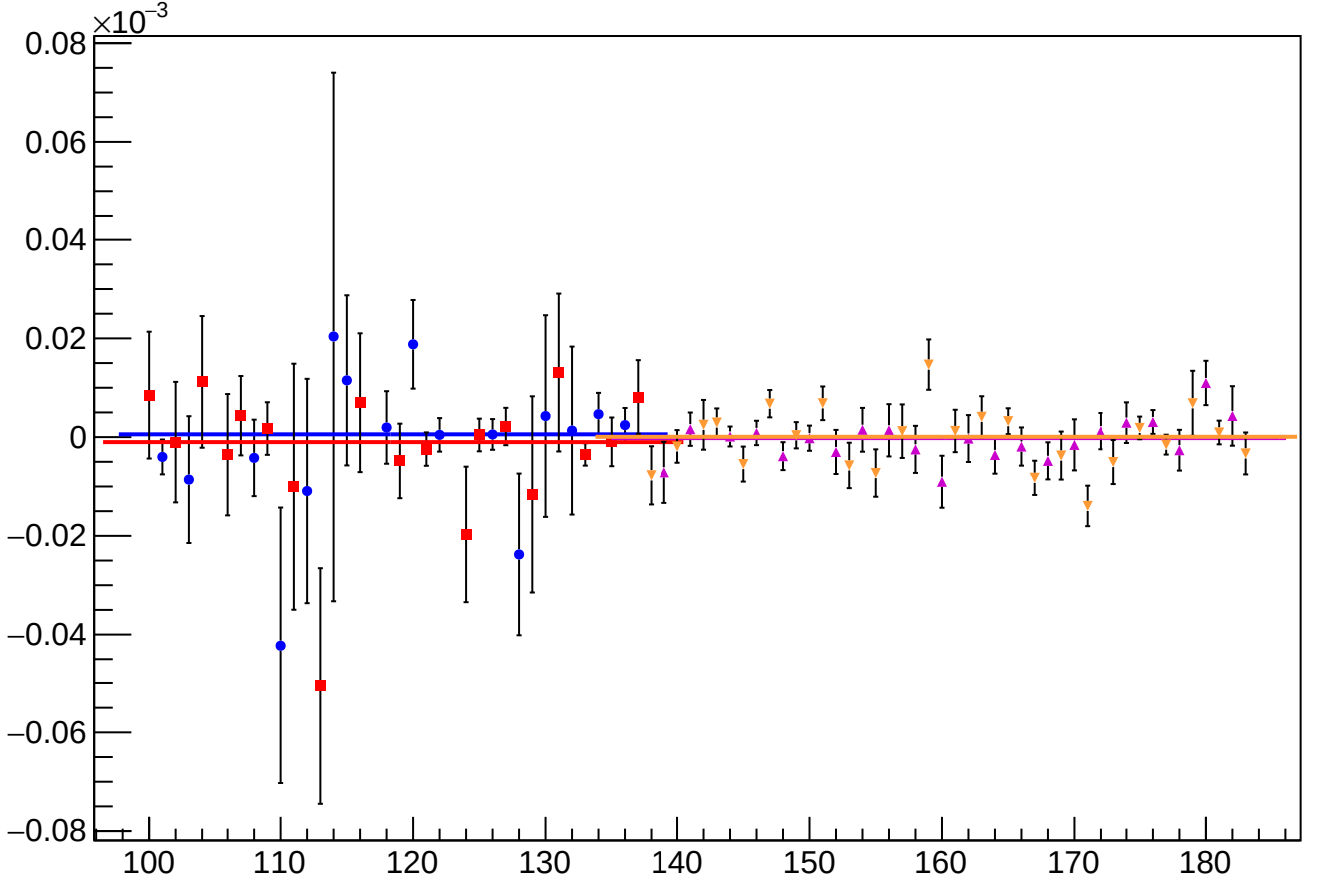
Left: 54.678+/-0.007 χ^2/NDF: 3126001.4/45

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 55.017+/-0.008 χ^2/NDF:3374766.7/37

Out: 55.148+/-0.008 χ^2/NDF:4501084.4/42

All: 55.084+/-0.006 χ^2/NDF: 7875978.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/21

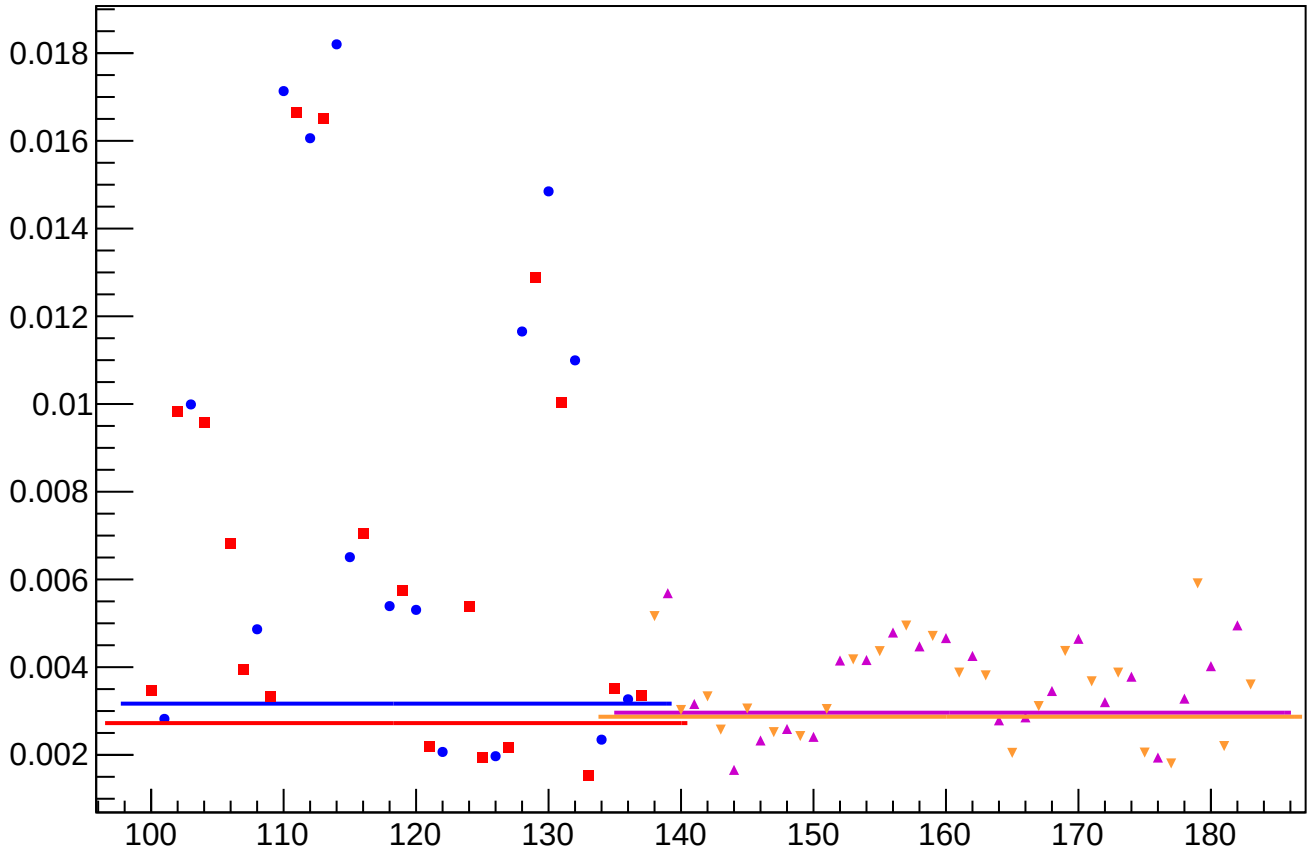
Left: -0.000+/-0.000 χ^2/NDF: 72.1/45

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:32.9/37

Out: -0.000+/-0.000 χ^2/NDF:67.0/42

All: -0.000+/-0.000 χ^2/NDF: 99.9/80



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3599002.1/23

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3618472.4/21

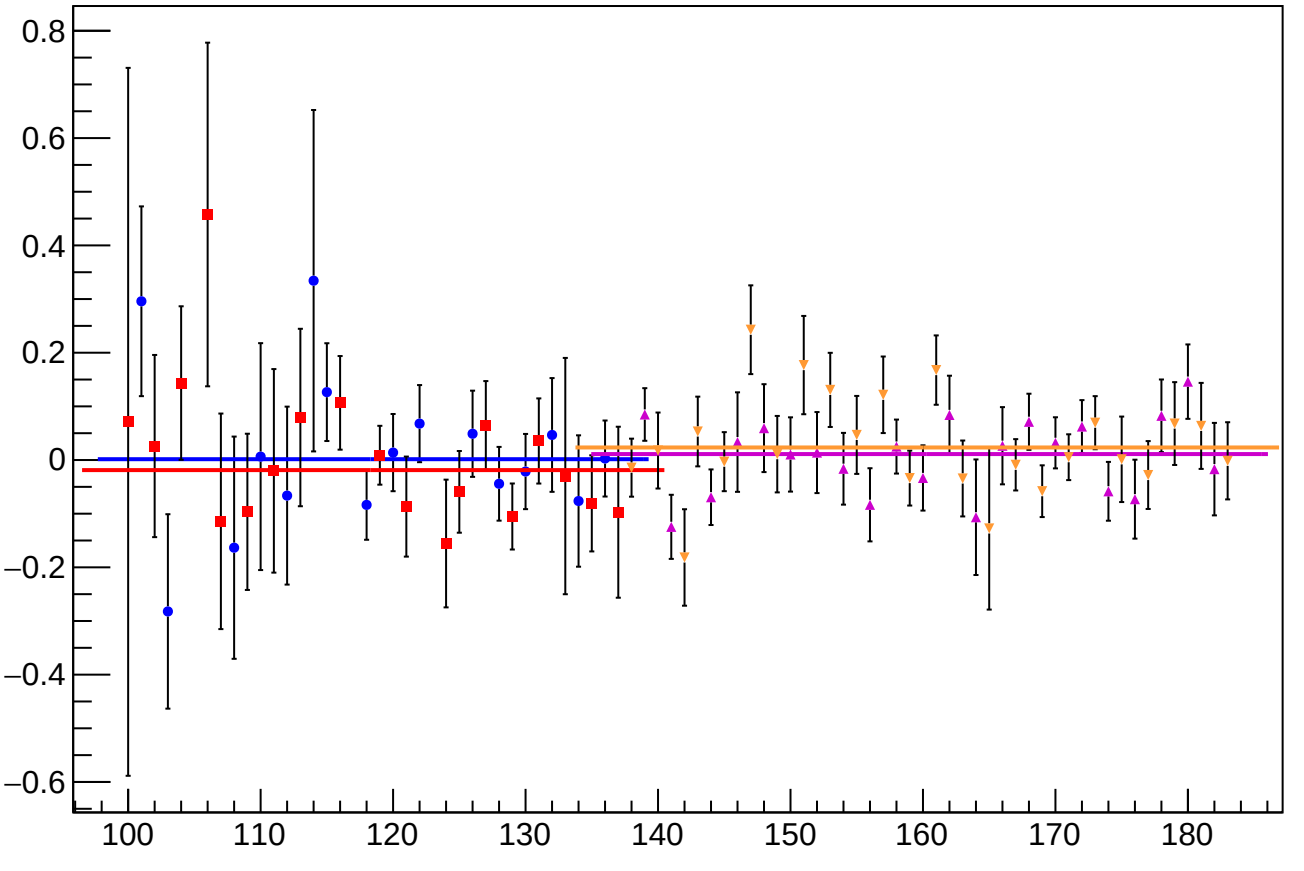
Left: 0.003+/-0.000 χ^2/NDF: 7233683.3/45

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:8195987.9/37

Out: 0.003+/-0.000 χ^2/NDF:8772176.7/42

All: 0.003+/-0.000 χ^2/NDF: 17038512.4/80



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:34.1/23

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: 0.017+/-0.009 χ^2/NDF: 60.2/45

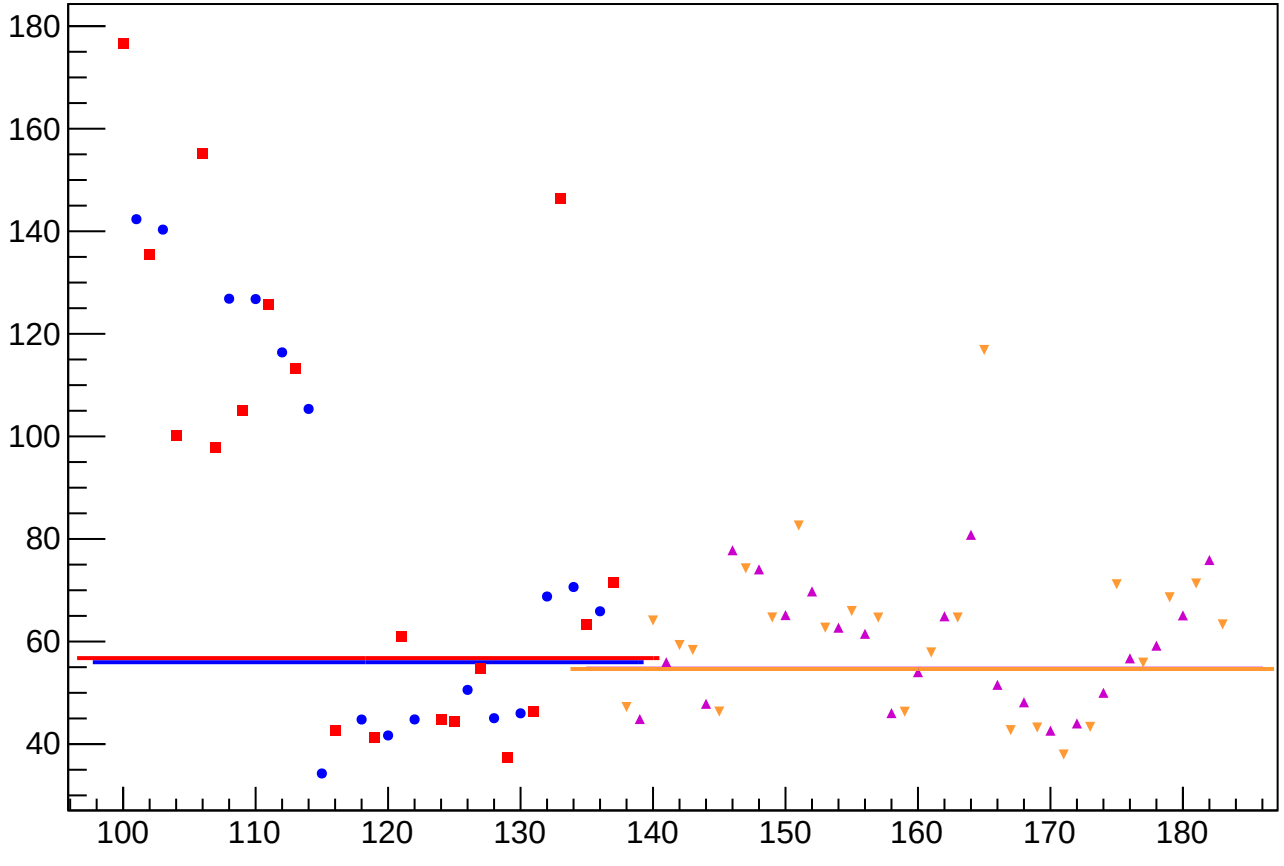
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.009+/-0.012 χ^2/NDF:38.9/37

Out: 0.014+/-0.011 χ^2/NDF:49.7/42

All: 0.011+/-0.008 χ^2/NDF: 88.7/80

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: 54.651+/-0.009 χ^2/NDF:1935412.9/23

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: 54.678+/-0.007 χ^2/NDF: 3125963.3/45

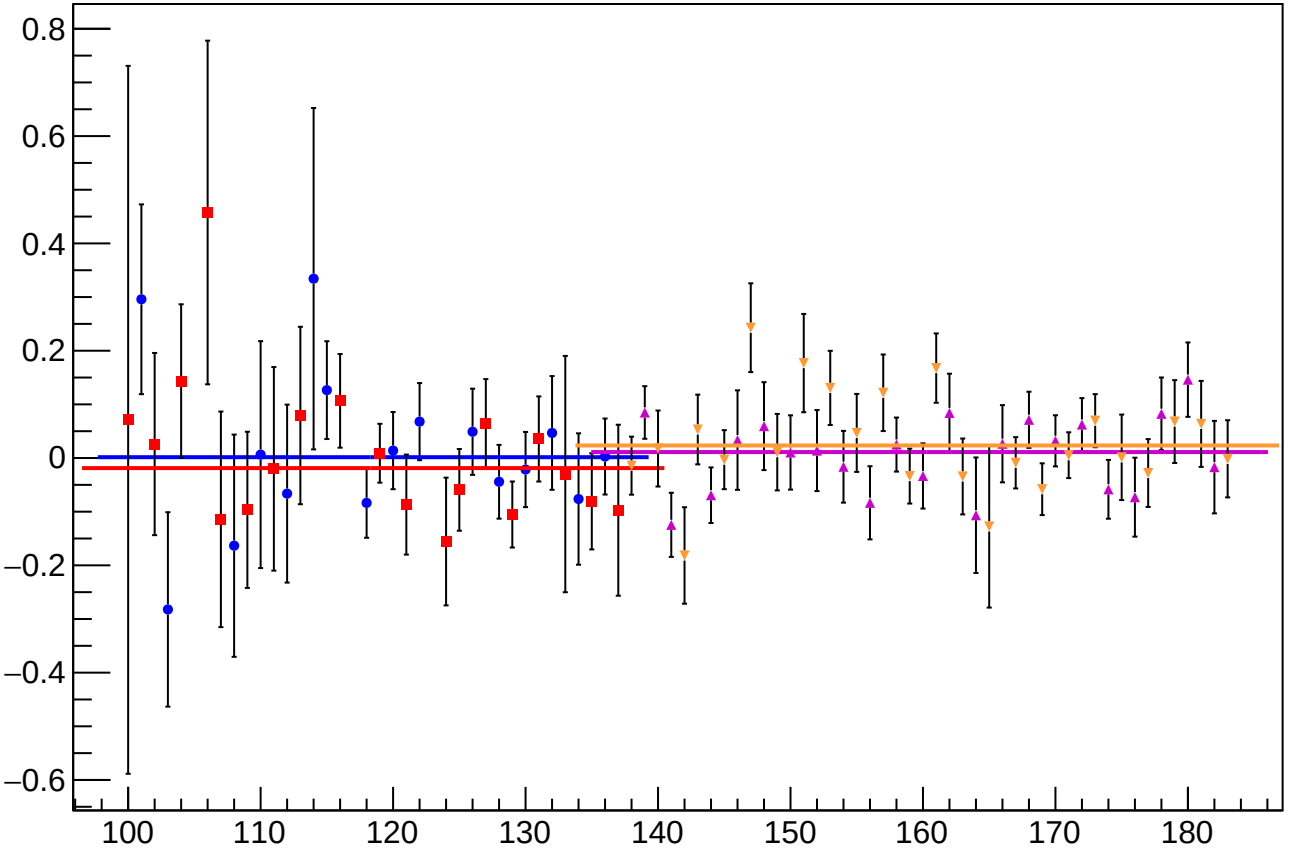
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.018+/-0.008 χ^2/NDF:3374656.2/37

Out: 55.148+/-0.008 χ^2/NDF:4501012.1/42

All: 55.084+/-0.006 χ^2/NDF: 7875795.7/80

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: 0.023+/-0.013 χ^2/NDF:34.1/23

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: 0.017+/-0.009 χ^2/NDF: 60.2/45

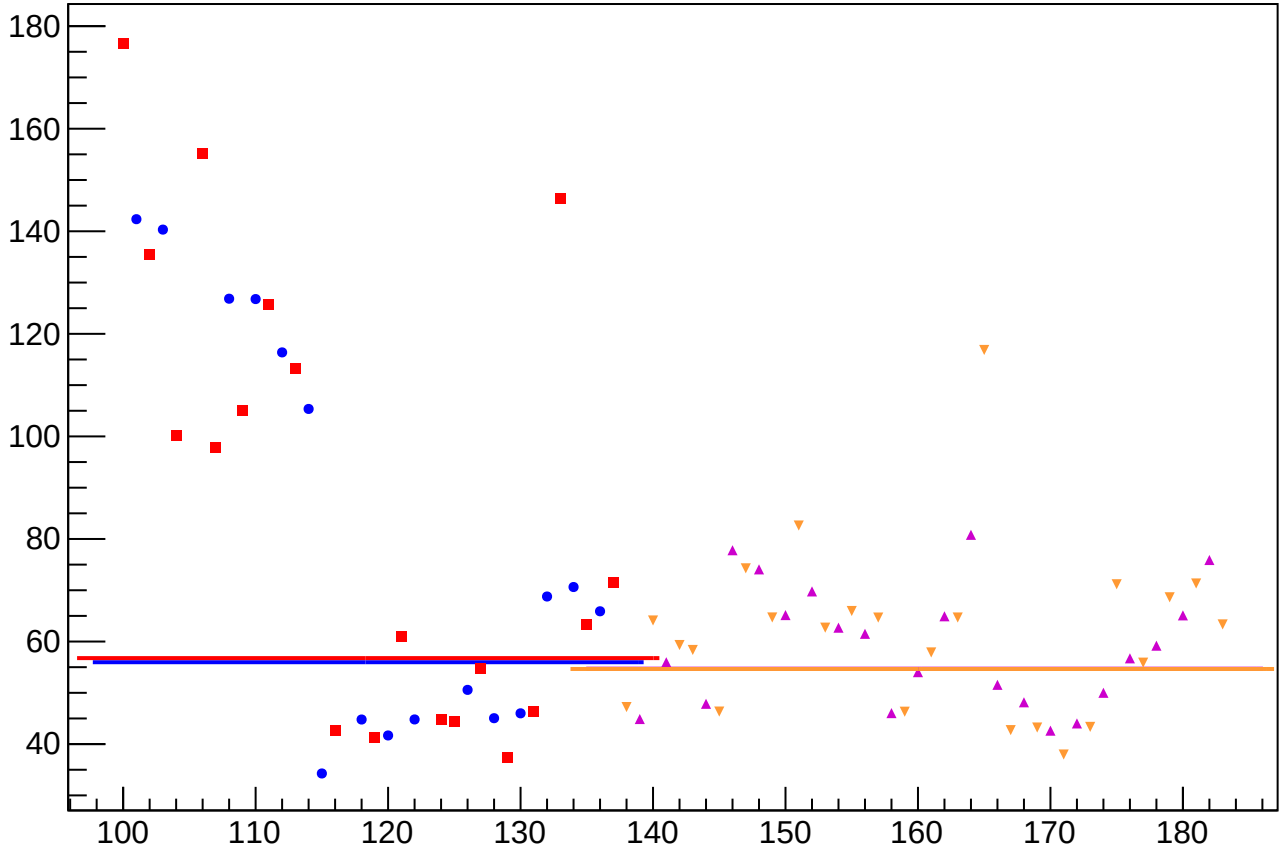
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.009+/-0.012 χ^2/NDF:38.9/37

Out: 0.014+/-0.011 χ^2/NDF:49.7/42

All: 0.011+/-0.008 χ^2/NDF: 88.7/80

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: 54.651+/-0.009 χ^2/NDF:1935412.9/23

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.708+/-0.009 χ^2/NDF:1190531.8/21

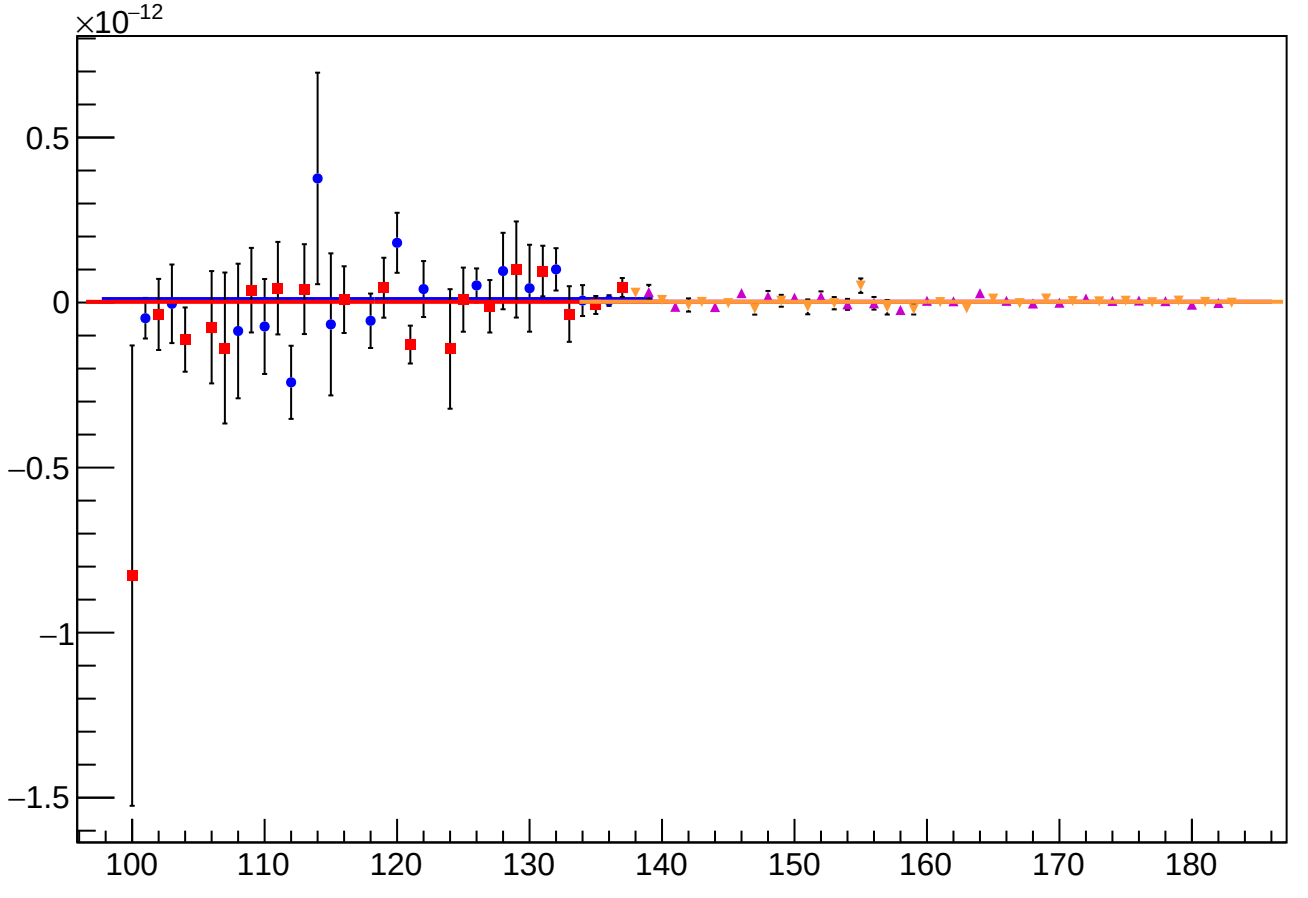
Left: 54.678+/-0.007 χ^2/NDF: 3125963.3/45

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.018+/-0.008 χ^2/NDF:3374656.2/37

Out: 55.148+/-0.008 χ^2/NDF:4501012.1/42

All: 55.084+/-0.006 χ^2/NDF: 7875795.7/80



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:32.9/21

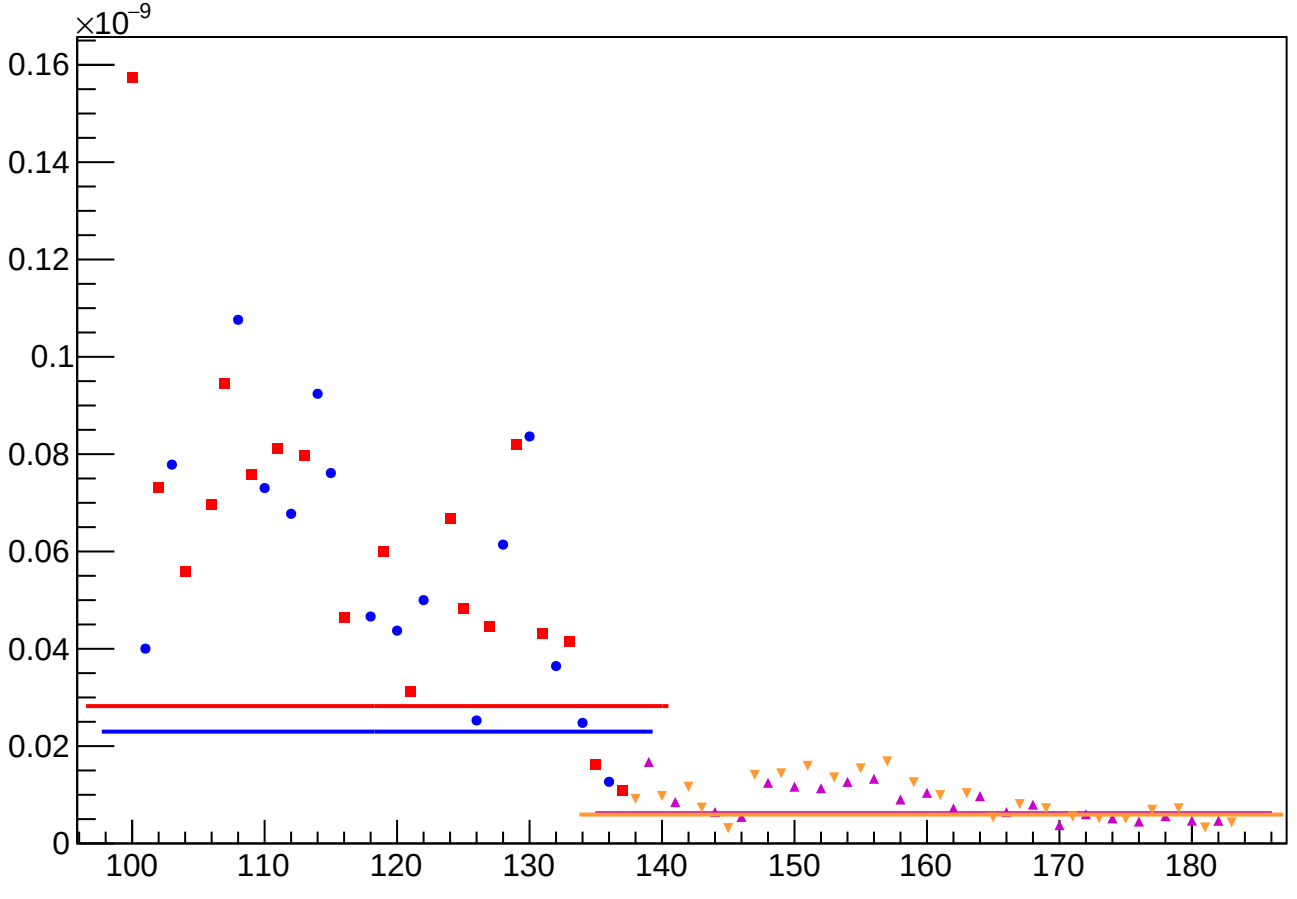
Left: 0.000+/-0.000 χ^2/NDF: 53.1/45

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:34.5/42

All: 0.000+/-0.000 χ^2/NDF: 83.4/80



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:5468573.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3186146.2/21

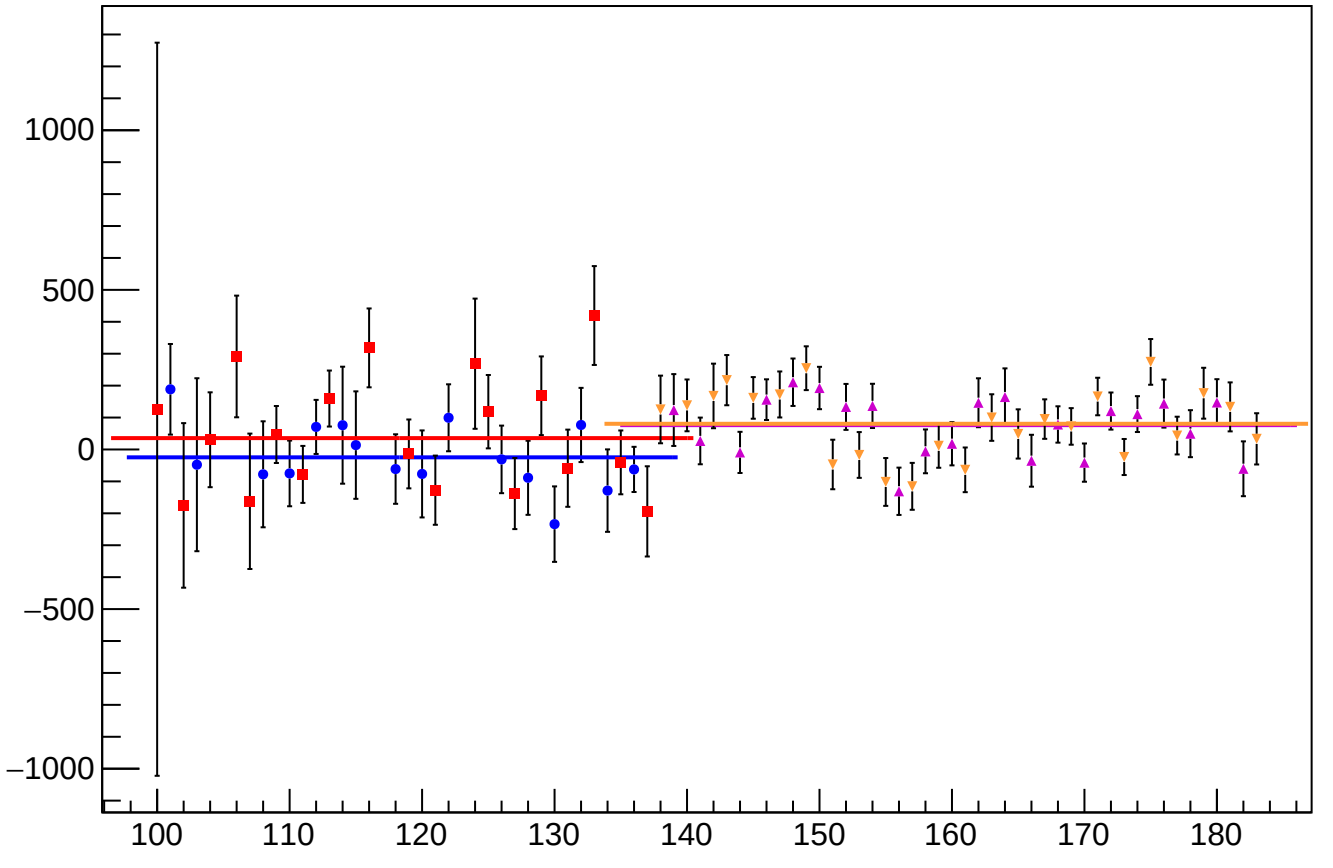
Left: 0.000+/-0.000 χ^2/NDF: 8677591.5/45

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:13367881.1/42

All: 0.000+/-0.000 χ^2/NDF: 23589610.1/80



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 80.443+/-14.480 χ^2/NDF:52.7/23

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 76.219+/-14.897 χ^2/NDF:34.6/21

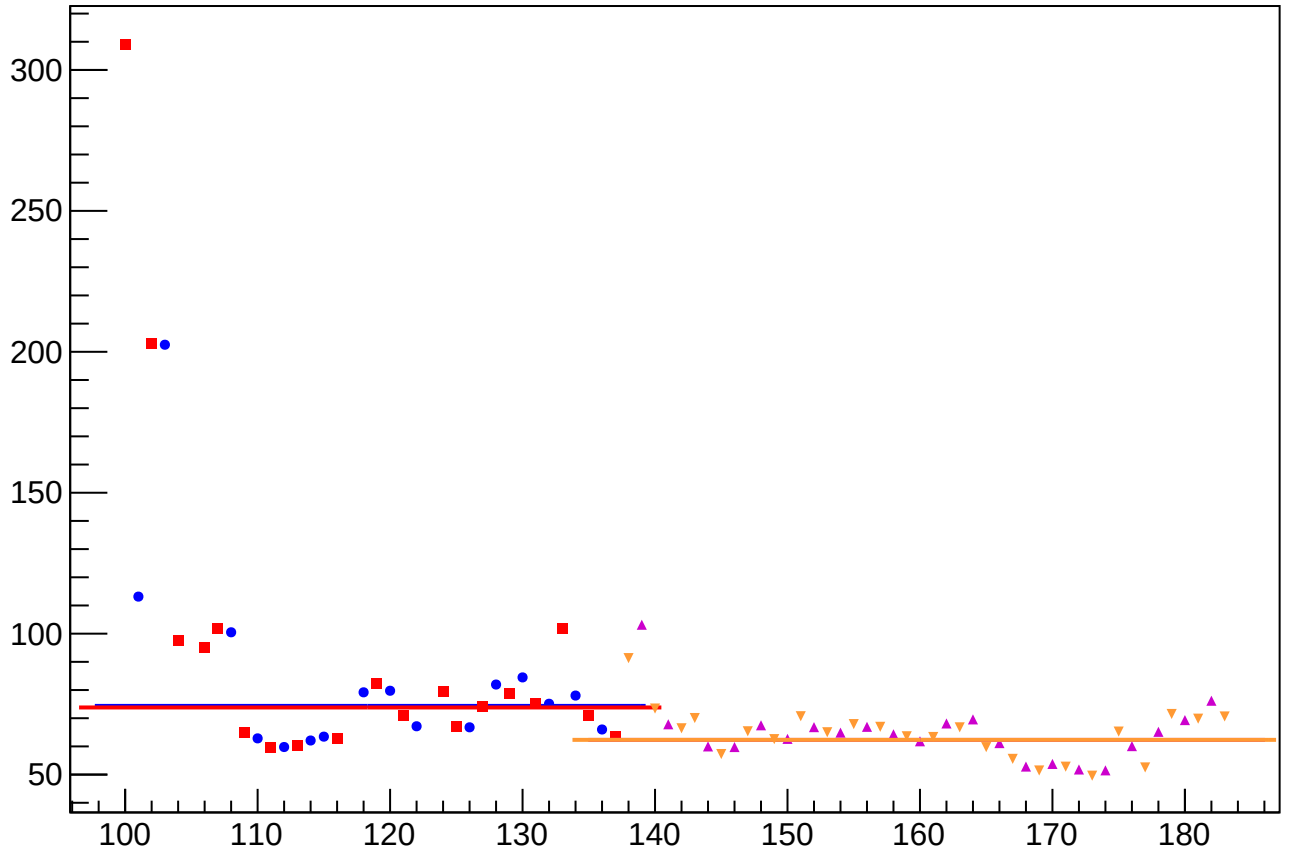
Left: 78.390+/-10.383 χ^2/NDF: 87.3/45

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 55.063+/-13.242 χ^2/NDF:55.2/37

Out: 71.215+/-12.905 χ^2/NDF:84.8/42

All: 63.347+/-9.242 χ^2/NDF: 140.8/80



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 62.322+/-0.010 χ^2/NDF:656190.5/23

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: 62.309+/-0.007 χ^2/NDF: 1303059.8/45

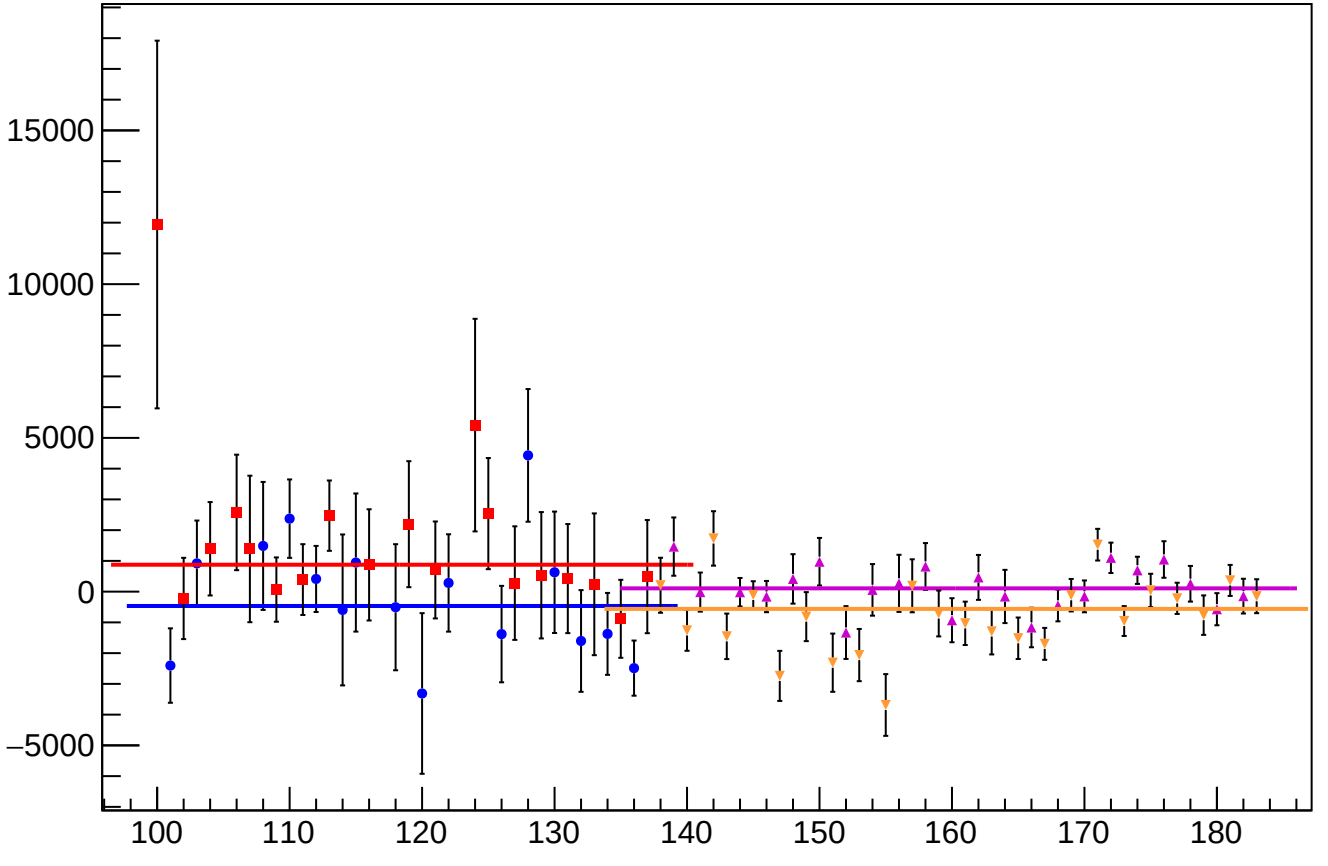
Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 64.828+/-0.009 χ^2/NDF:1750063.9/37

Out: 64.686+/-0.009 χ^2/NDF:1847288.2/42

All: 64.755+/-0.007 χ^2/NDF: 3597469.2/80

asym_sam_37_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -561.154+/-129.477 χ^2/NDF:67.1/23

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: -232.409+/-92.248 χ^2/NDF: 105.7/45

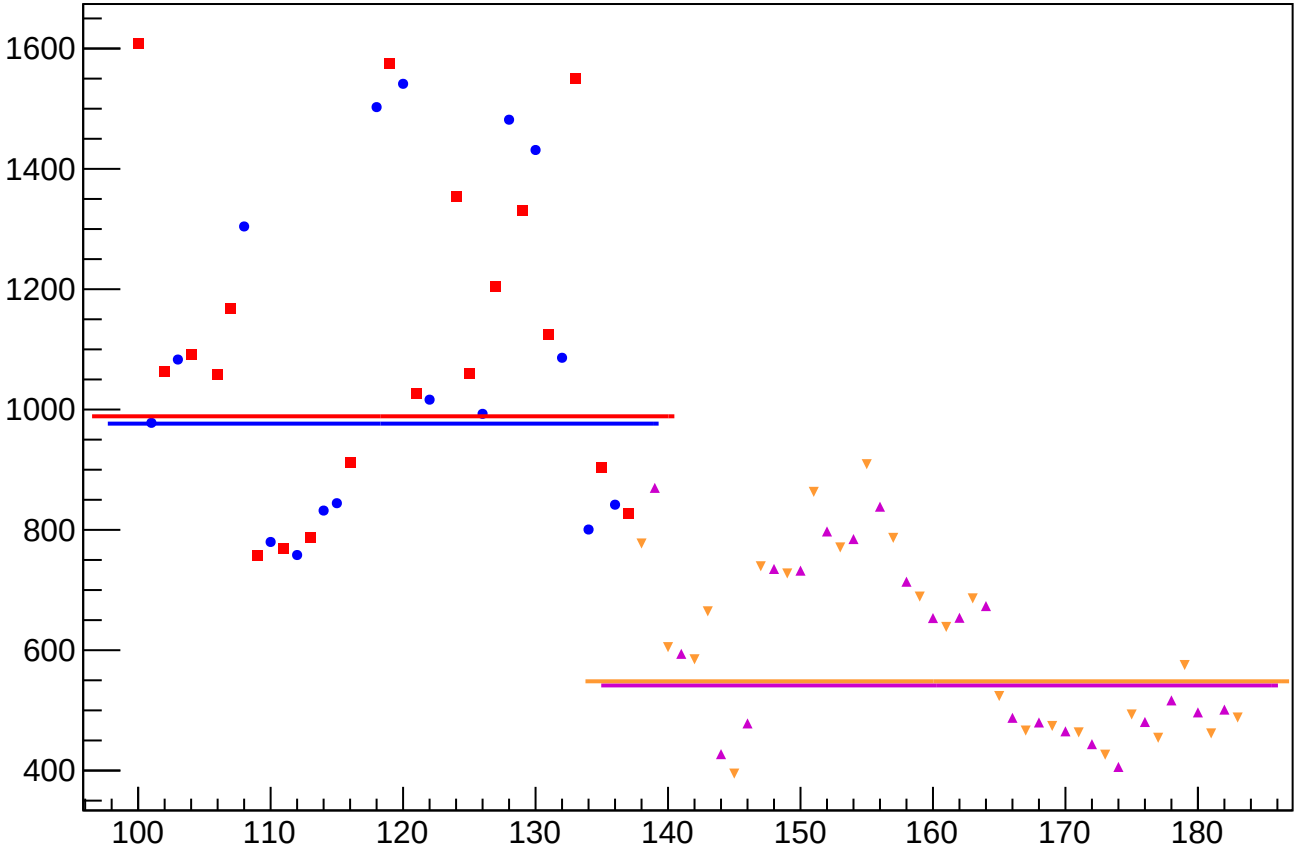
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: 43.788+/-124.060 χ^2/NDF:51.3/37

Out: -406.113+/-122.290 χ^2/NDF:93.4/42

All: -184.395+/-87.091 χ^2/NDF: 151.4/80

asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 548.323+/-0.092 χ^2/NDF:2038001.2/23

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 541.498+/-0.093 χ^2/NDF:1840332.0/21

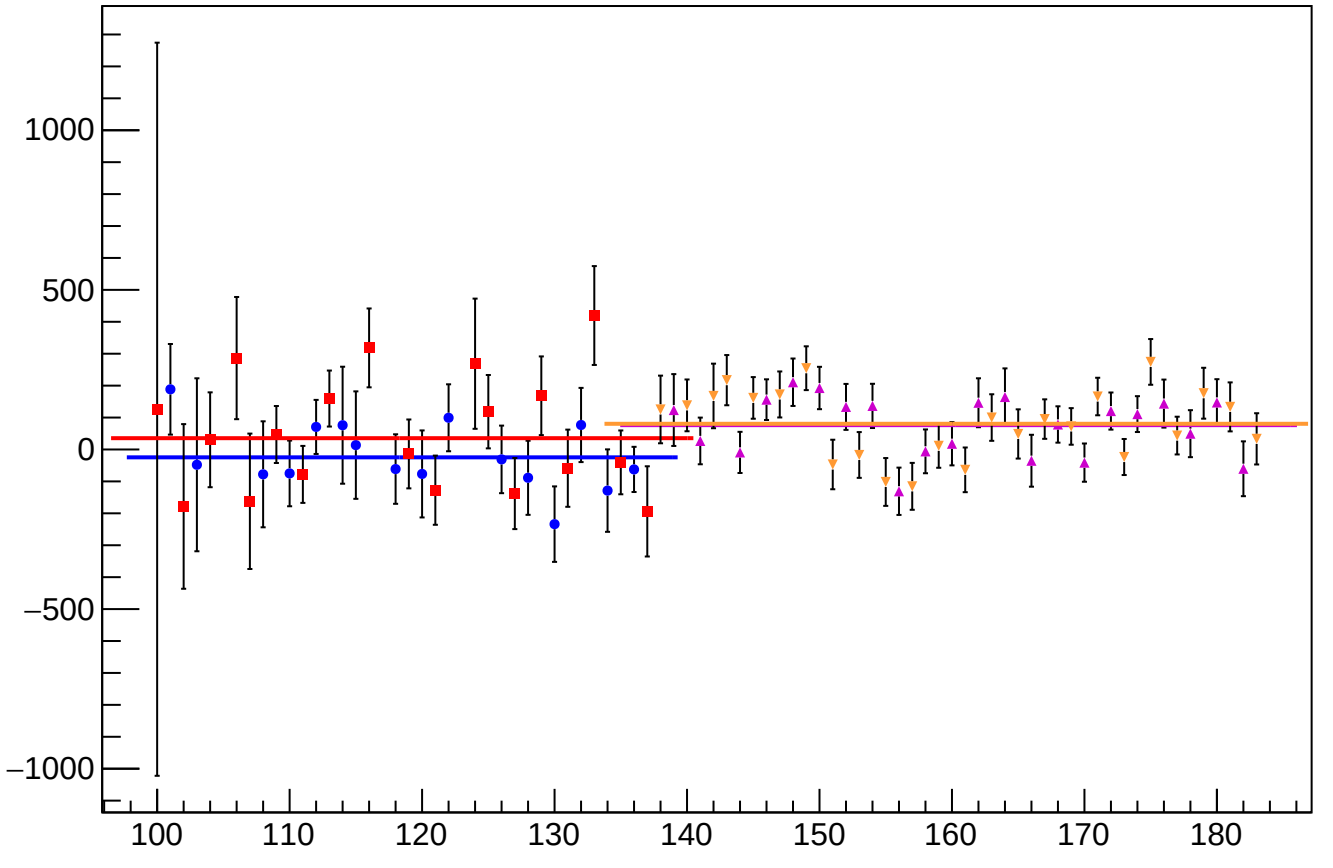
Left: 544.962+/-0.065 χ^2/NDF: 3881070.2/45

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 589.109+/-0.088 χ^2/NDF:4974192.8/37

Out: 595.860+/-0.086 χ^2/NDF:5251513.2/42

All: 592.533+/-0.062 χ^2/NDF: 10228710.0/80



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 80.446+/-14.480 χ^2/NDF:52.7/23

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: 78.392+/-10.383 χ^2/NDF: 87.3/45

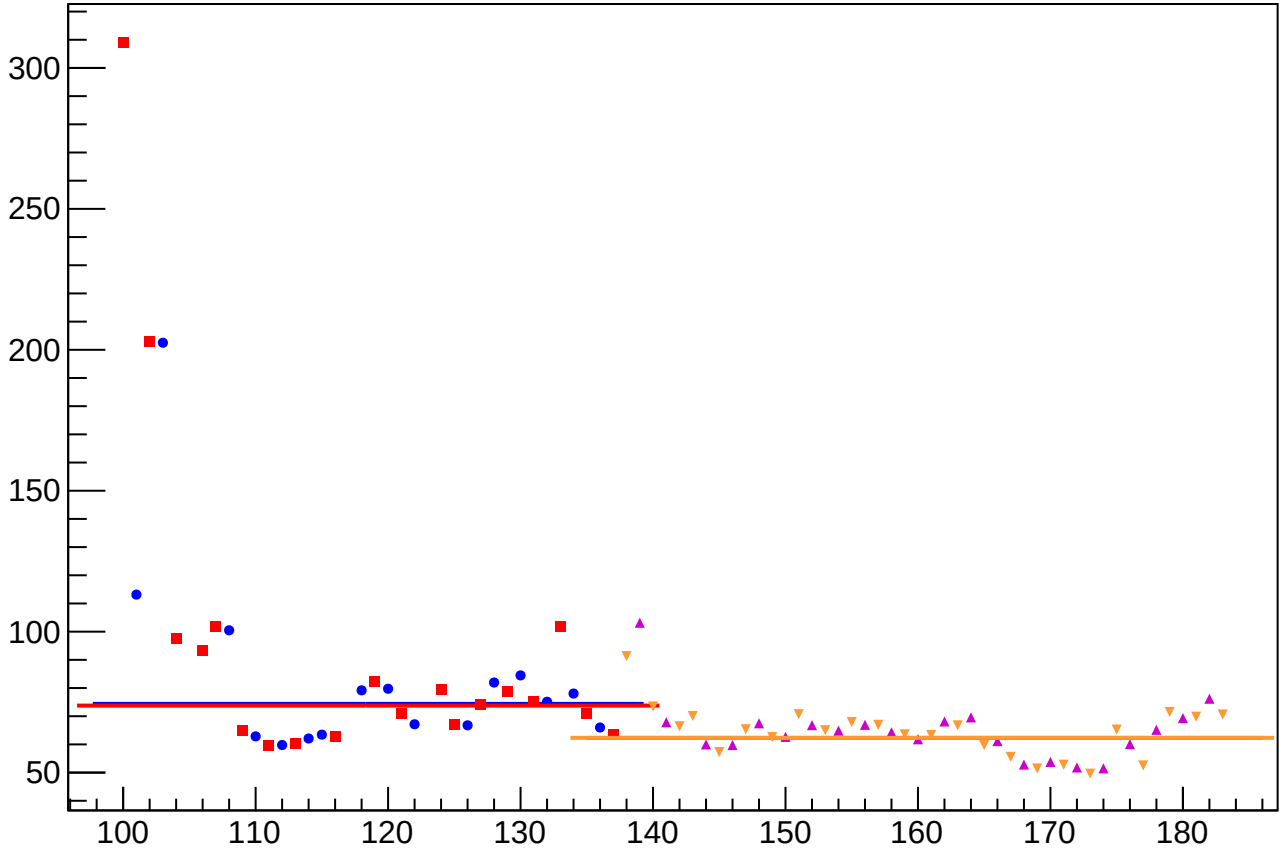
Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 55.061+/-13.242 χ^2/NDF:55.2/37

Out: 71.178+/-12.905 χ^2/NDF:84.7/42

All: 63.327+/-9.242 χ^2/NDF: 140.7/80

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.322+/-0.010 χ^2/NDF:656190.5/23

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 62.295+/-0.011 χ^2/NDF:646865.8/21

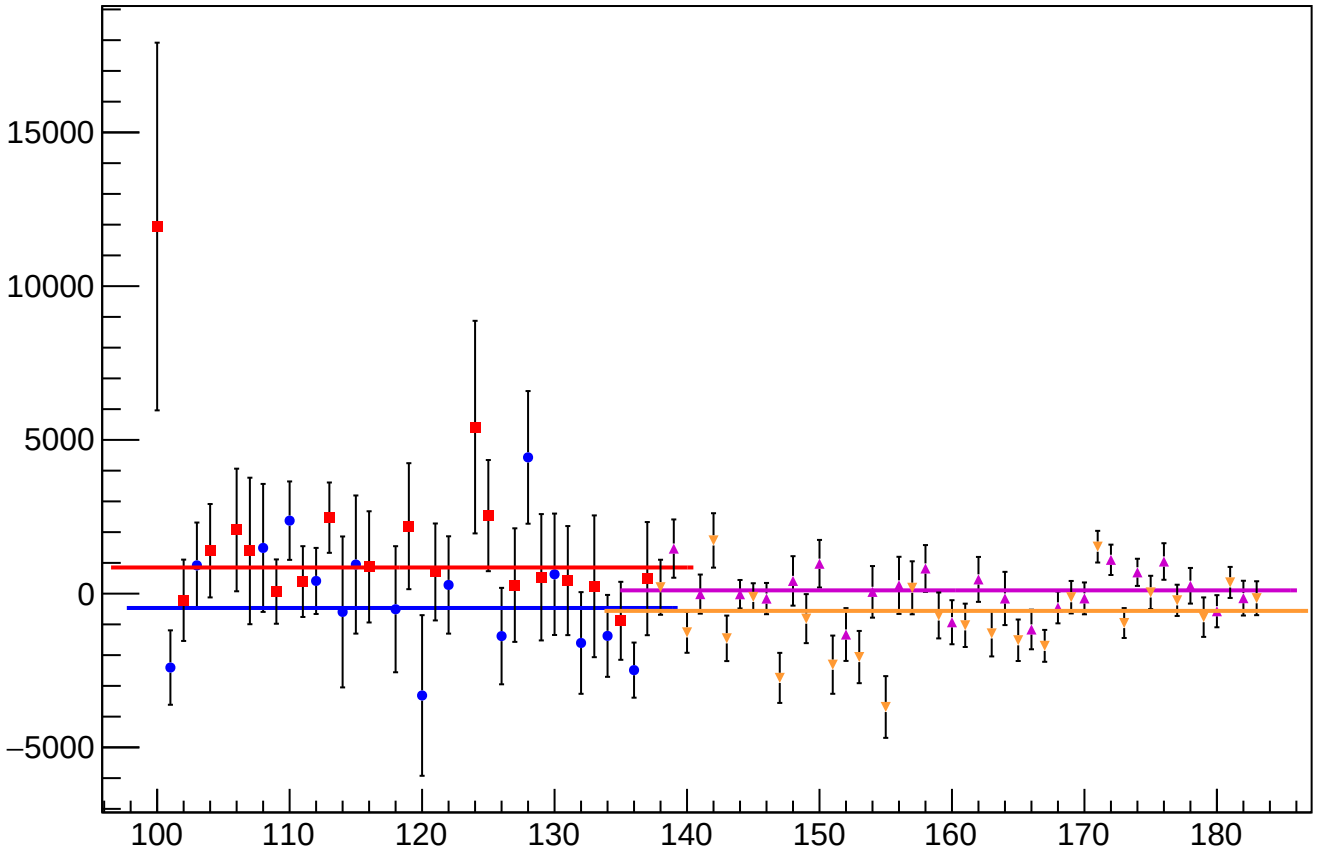
Left: 62.309+/-0.007 χ^2/NDF: 1303059.8/45

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.828+/-0.009 χ^2/NDF:1750065.7/37

Out: 64.677+/-0.009 χ^2/NDF:1841577.2/42

All: 64.751+/-0.007 χ^2/NDF: 3591775.5/80



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -561.153+/-129.477 χ^2/NDF:67.1/23

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 106.493+/-131.462 χ^2/NDF:25.5/21

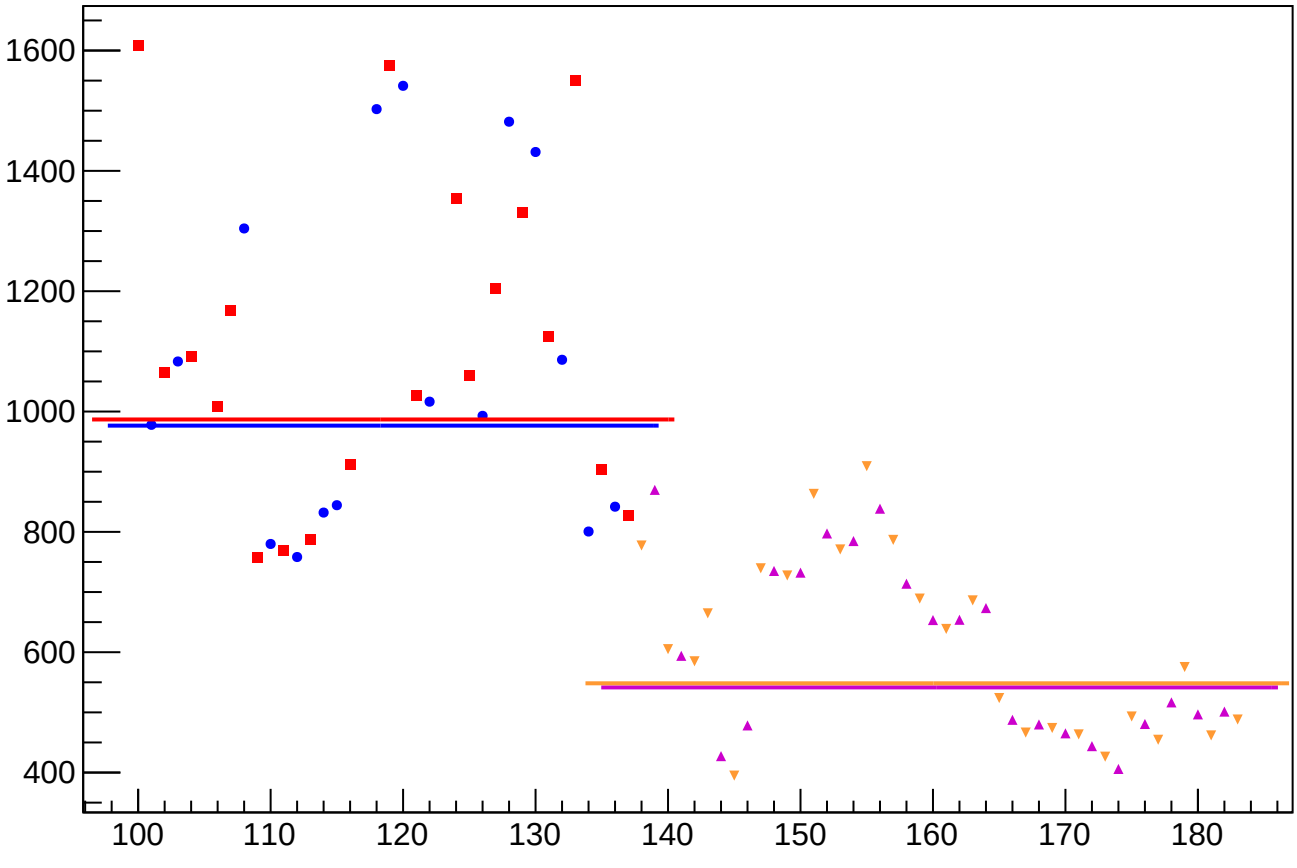
Left: -232.408+/-92.248 χ^2/NDF: 105.7/45

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 43.791+/-124.060 χ^2/NDF:51.3/37

Out: -409.388+/-122.320 χ^2/NDF:92.5/42

All: -185.999+/-87.102 χ^2/NDF: 150.5/80



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 548.323+/-0.092 χ^2/NDF:2037999.9/23

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 541.498+/-0.093 χ^2/NDF:1840332.0/21

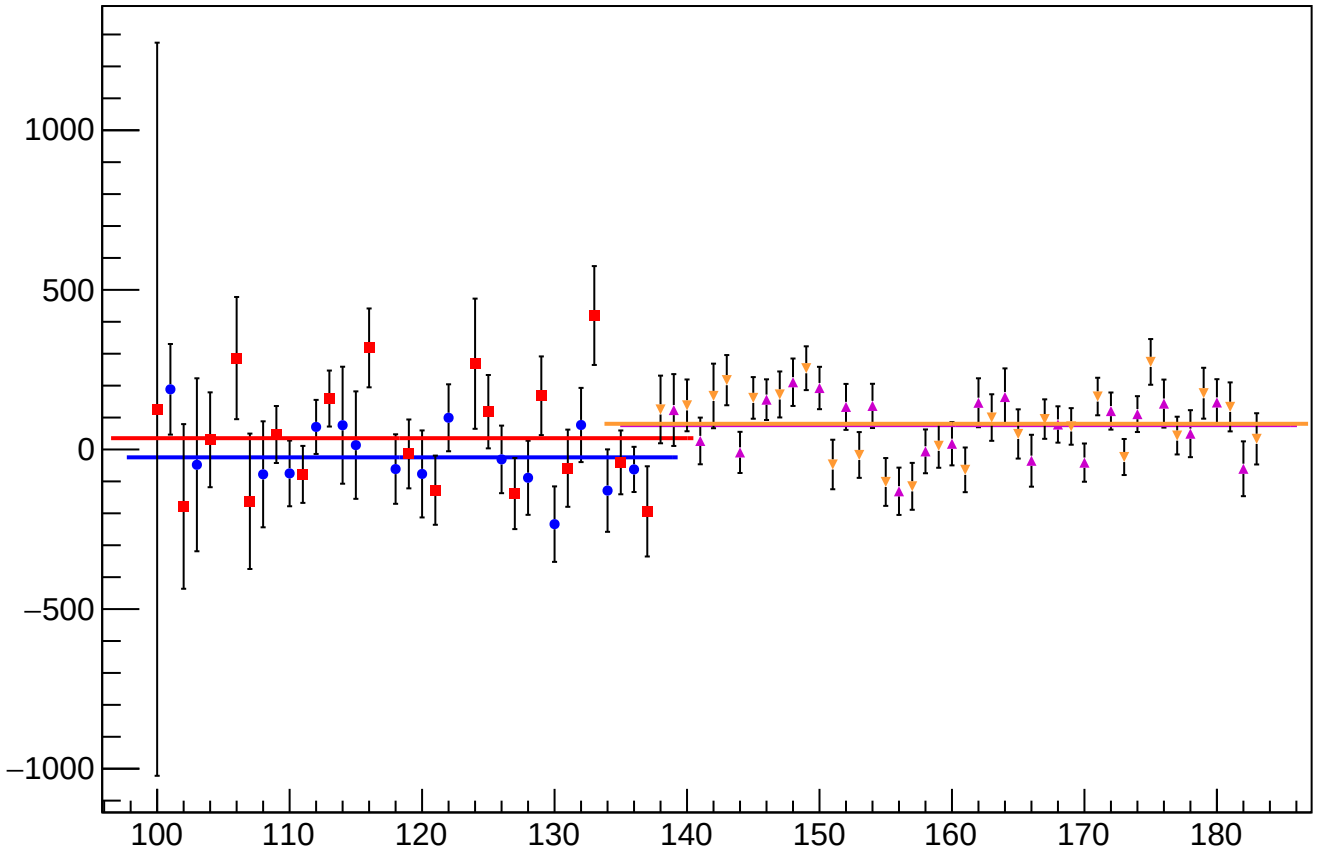
Left: 544.962+/-0.065 χ^2/NDF: 3881068.6/45

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 589.109+/-0.088 χ^2/NDF:4974249.6/37

Out: 595.457+/-0.086 χ^2/NDF:5217075.9/42

All: 592.328+/-0.062 χ^2/NDF: 10193981.1/80



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 80.446+/-14.480 χ^2/NDF:52.7/23

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 76.219+/-14.897 χ^2/NDF:34.6/21

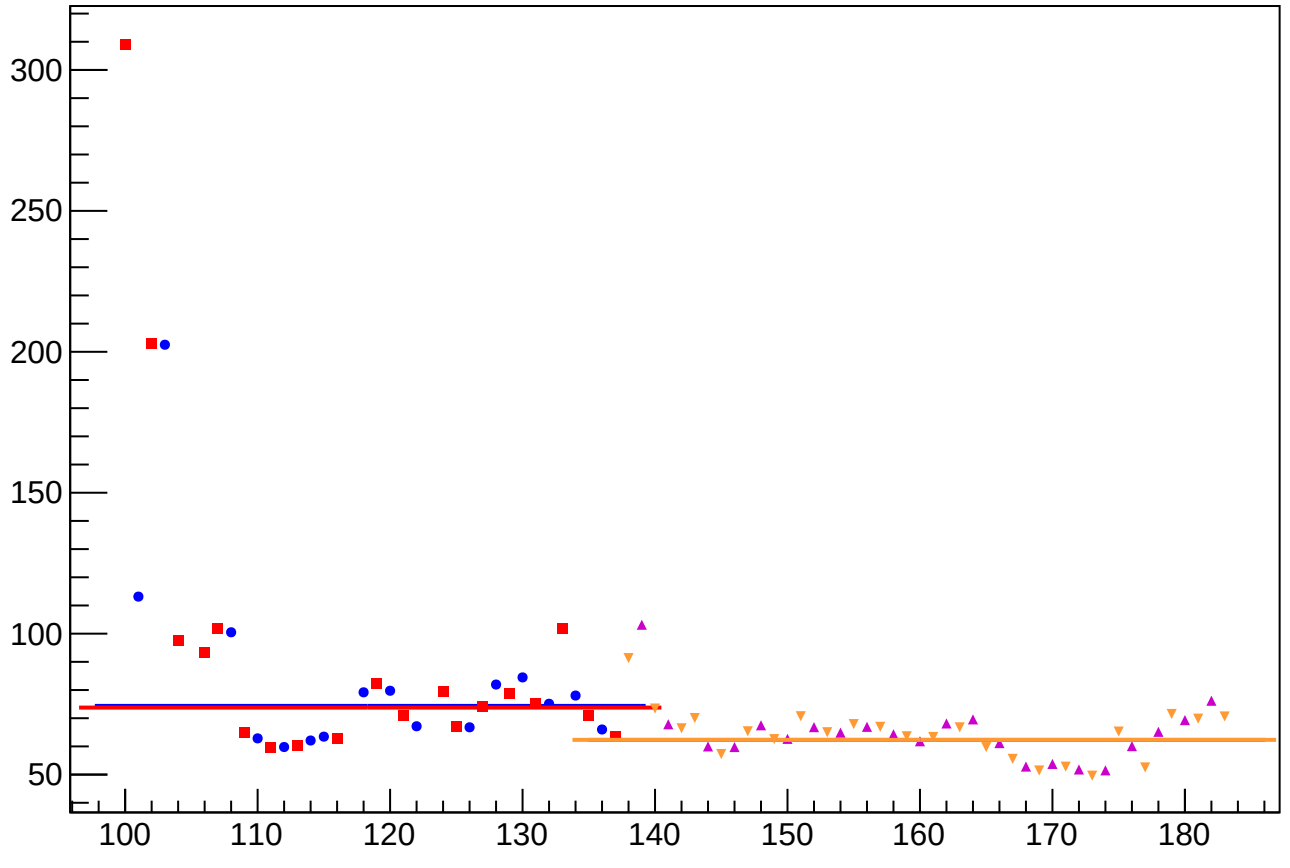
Left: 78.392+/-10.383 χ^2/NDF: 87.3/45

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 55.061+/-13.242 χ^2/NDF:55.2/37

Out: 71.178+/-12.905 χ^2/NDF:84.7/42

All: 63.327+/-9.242 χ^2/NDF: 140.7/80



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.322+/-0.010 χ^2/NDF:656190.5/23

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: 62.309+/-0.007 χ^2/NDF: 1303059.8/45

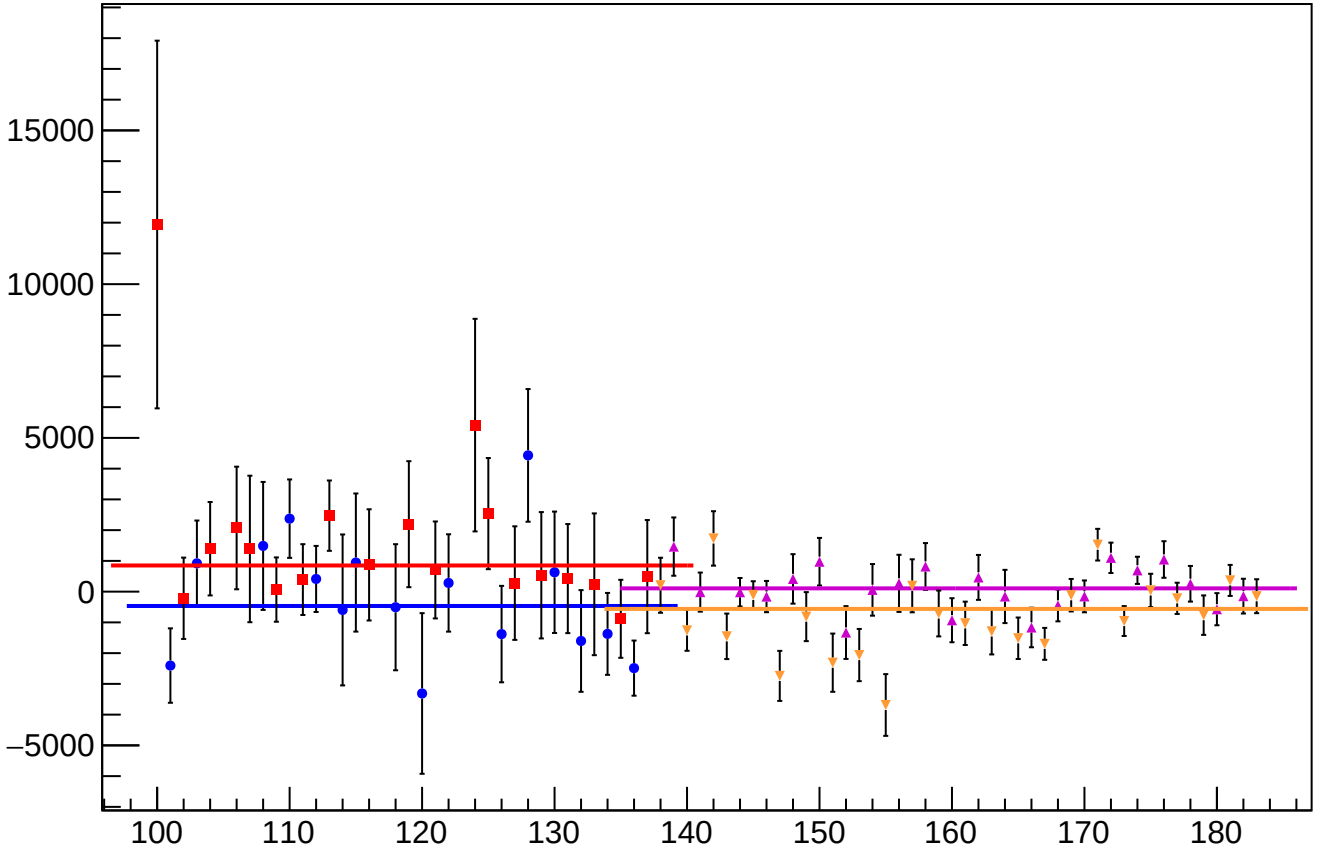
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.828+/-0.009 χ^2/NDF:1750065.7/37

Out: 64.677+/-0.009 χ^2/NDF:1841577.2/42

All: 64.751+/-0.007 χ^2/NDF: 3591775.5/80

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: -561.153+/-129.477 χ^2/NDF:67.1/23

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 106.493+/-131.462 χ^2/NDF:25.5/21

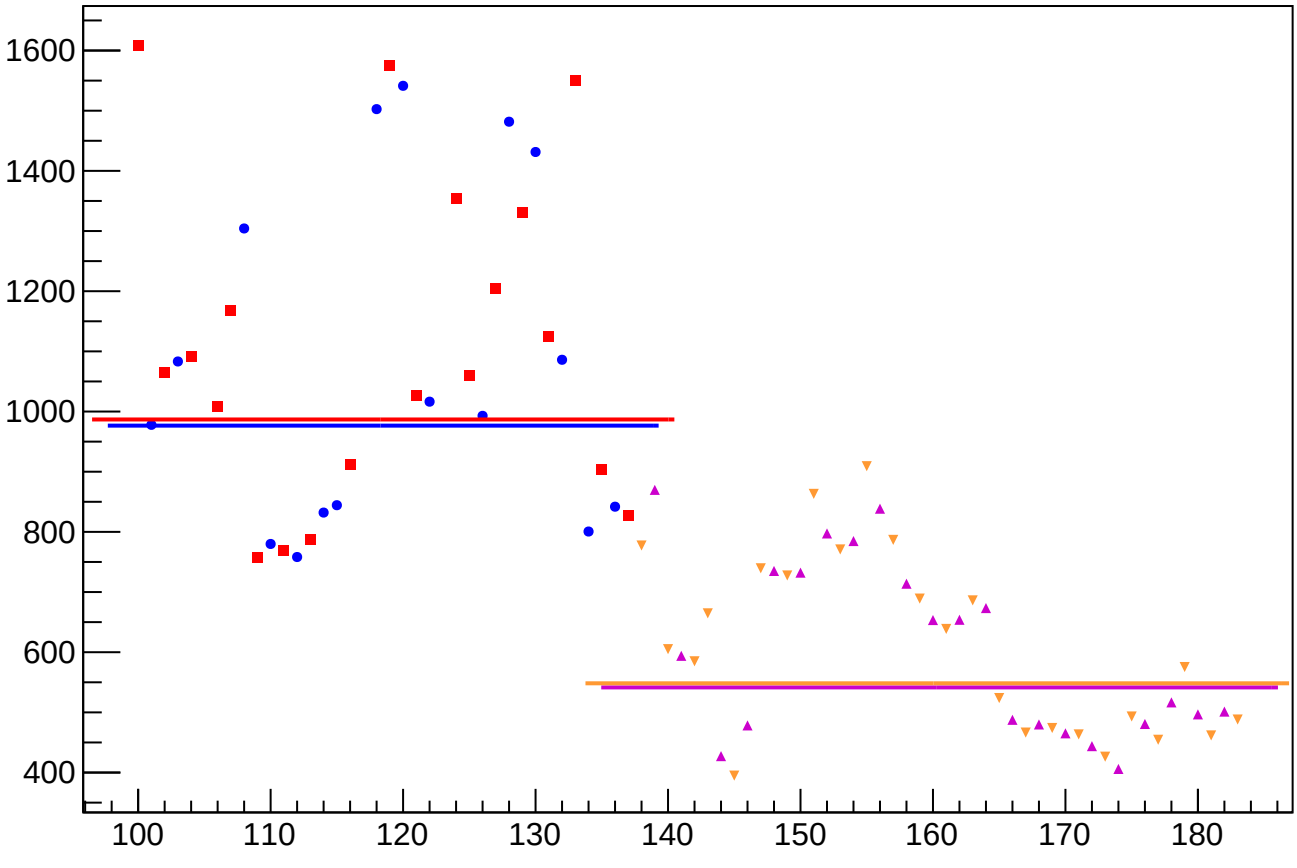
Left: -232.408+/-92.248 χ^2/NDF: 105.7/45

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 43.791+/-124.060 χ^2/NDF:51.3/37

Out: -409.388+/-122.320 χ^2/NDF:92.5/42

All: -185.999+/-87.102 χ^2/NDF: 150.5/80



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 548.323+/-0.092 χ^2/NDF:2037999.9/23

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: 544.962+/-0.065 χ^2/NDF: 3881068.6/45

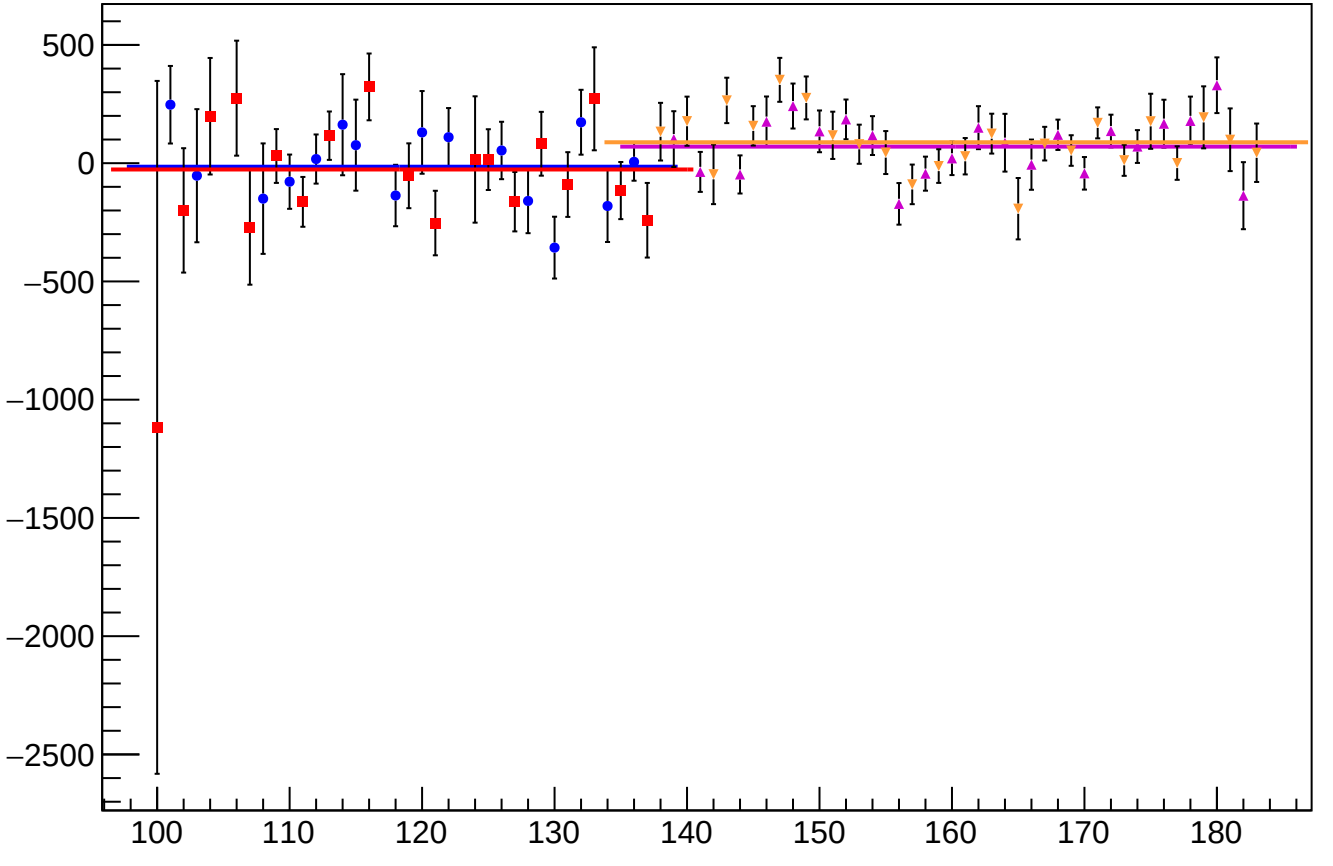
Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 589.109+/-0.088 χ^2/NDF:4974249.6/37

Out: 595.457+/-0.086 χ^2/NDF:5217075.9/42

All: 592.328+/-0.062 χ^2/NDF: 10193981.1/80

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 88.459+/-17.837 χ^2/NDF:36.9/23

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: 79.534+/-12.793 χ^2/NDF: 73.3/45

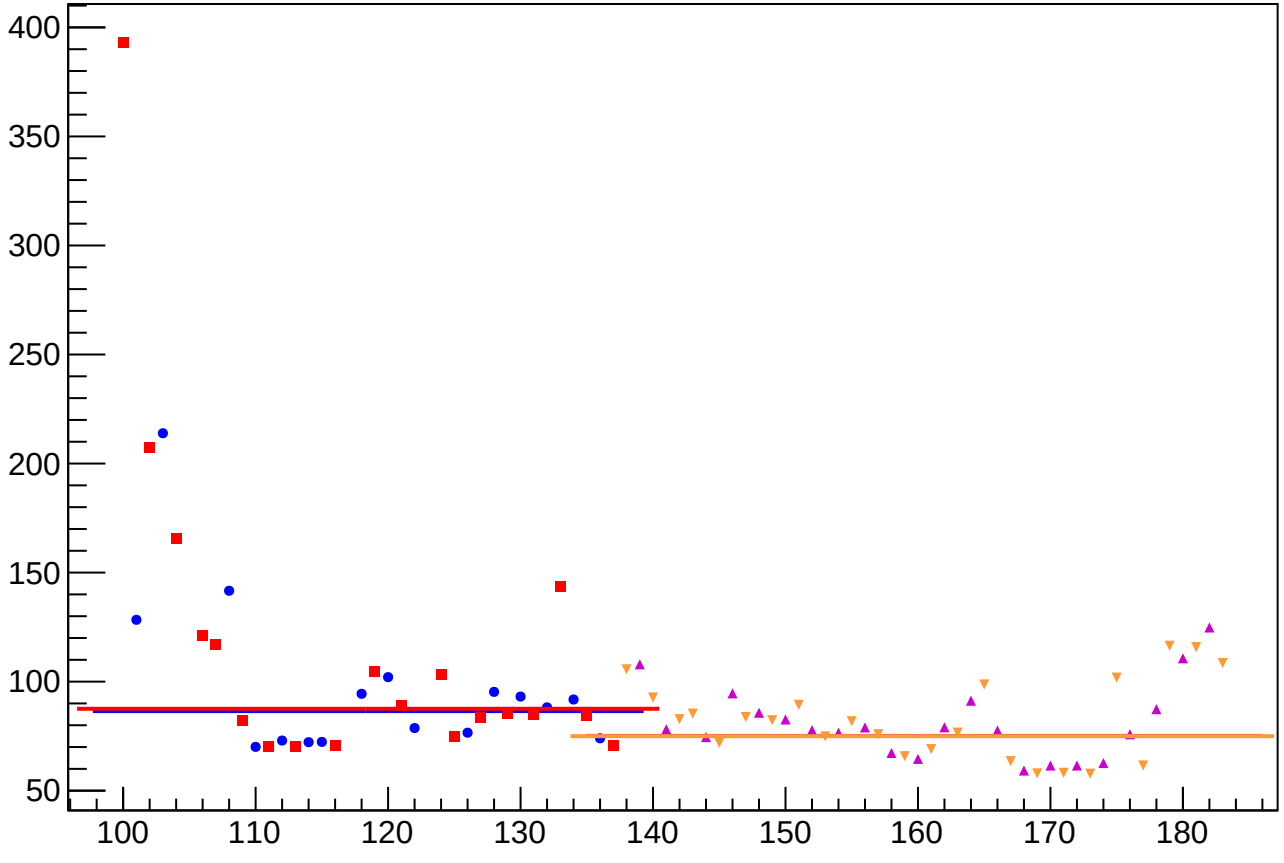
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 50.675+/-16.128 χ^2/NDF:59.1/37

Out: 63.697+/-15.803 χ^2/NDF:69.4/42

All: 57.319+/-11.288 χ^2/NDF: 128.8/80

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 74.987+/-0.013 χ^2/NDF:1589383.0/23

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: 75.040+/-0.009 χ^2/NDF: 2767934.5/45

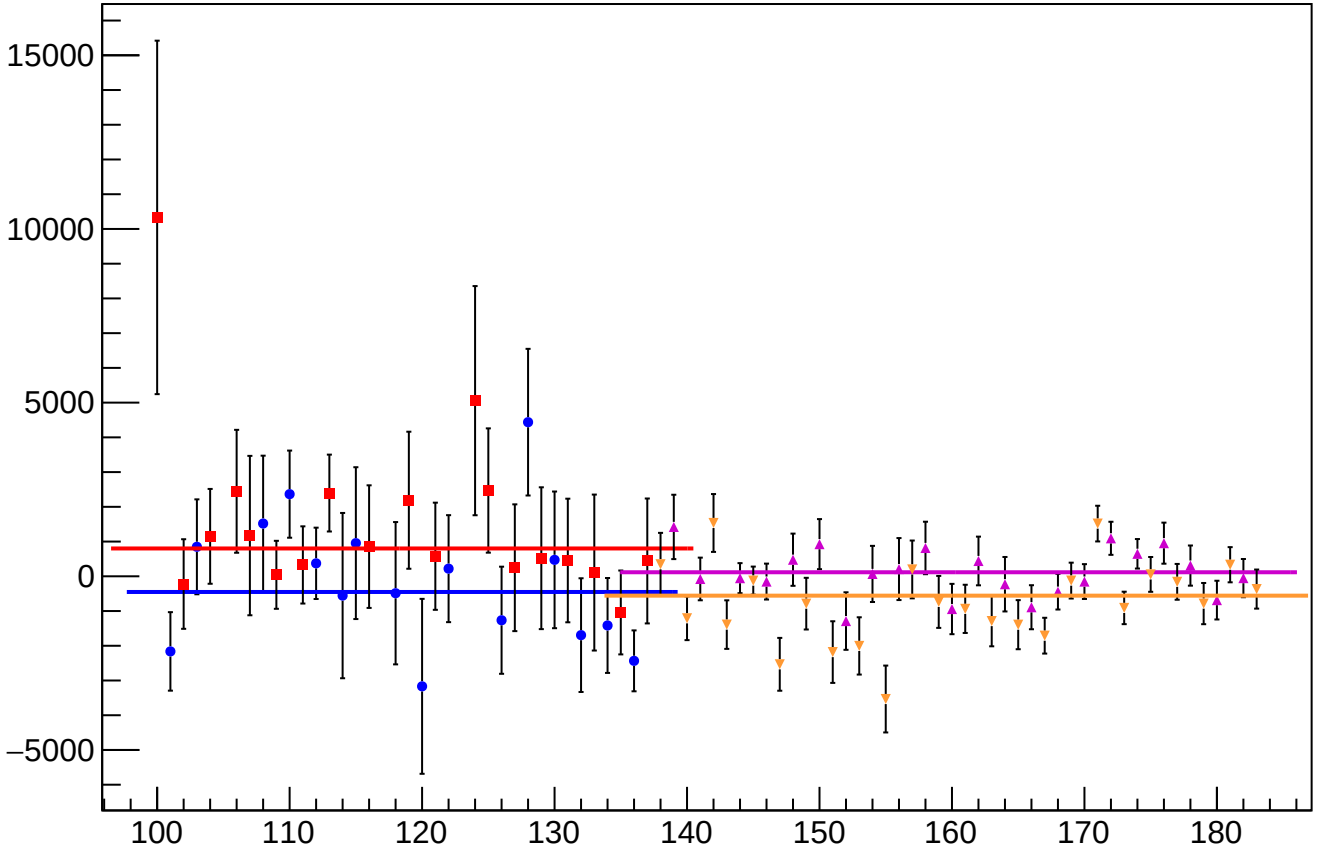
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 77.696+/-0.011 χ^2/NDF:2210537.5/37

Out: 77.690+/-0.011 χ^2/NDF:2932747.9/42

All: 77.693+/-0.008 χ^2/NDF: 5143285.6/80

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: -557.271+/-125.502 χ^2/NDF:65.4/23

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 116.375+/-128.303 χ^2/NDF:24.3/21

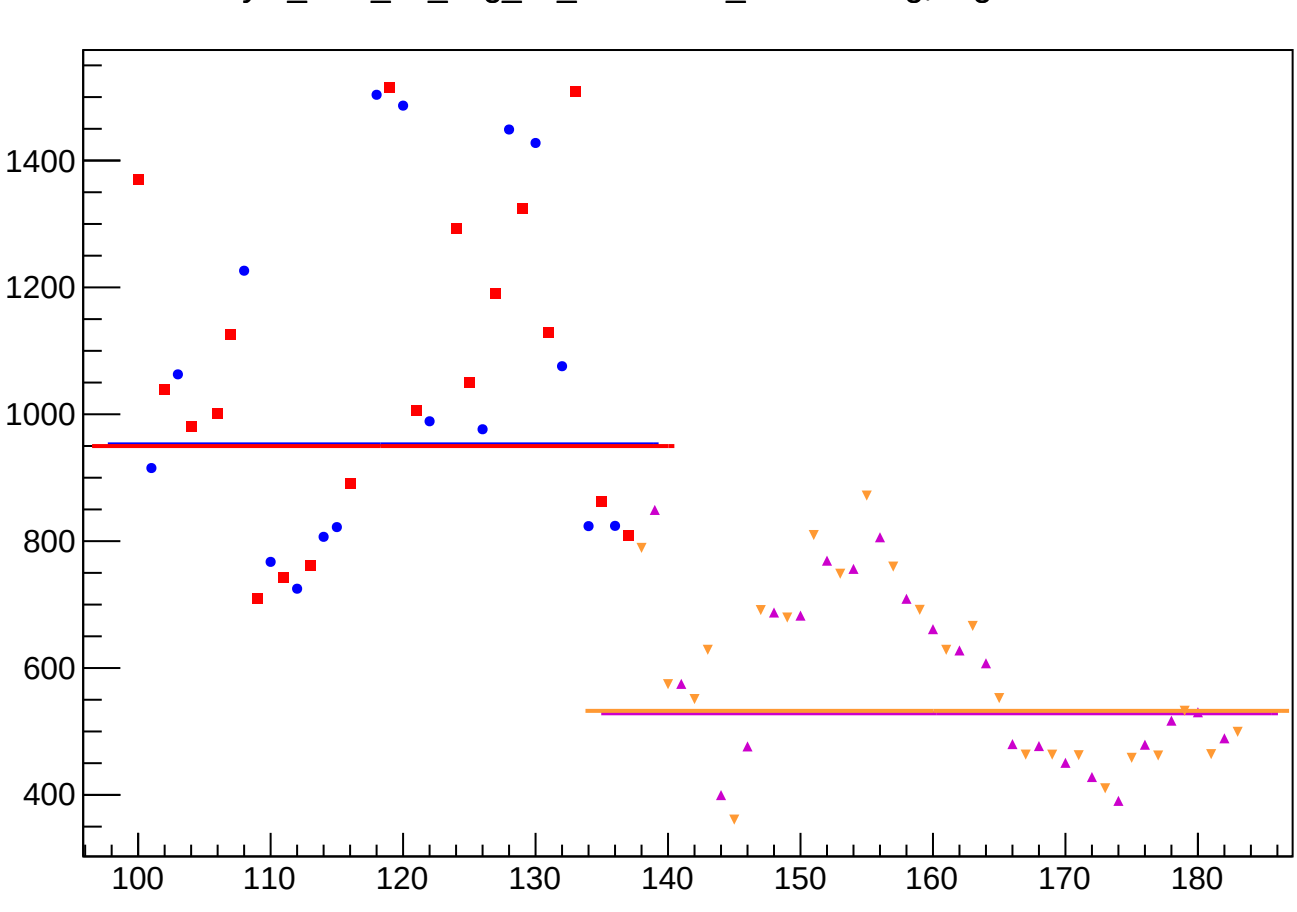
Left: -227.881+/-89.717 χ^2/NDF: 103.9/45

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: 54.121+/-121.065 χ^2/NDF:50.2/37

Out: -408.493+/-118.430 χ^2/NDF:91.9/42

All: -182.274+/-84.659 χ^2/NDF: 149.5/80



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 532.486+/-0.089 χ^2/NDF:2034825.9/23

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 528.653+/-0.091 χ^2/NDF:1797699.3/21

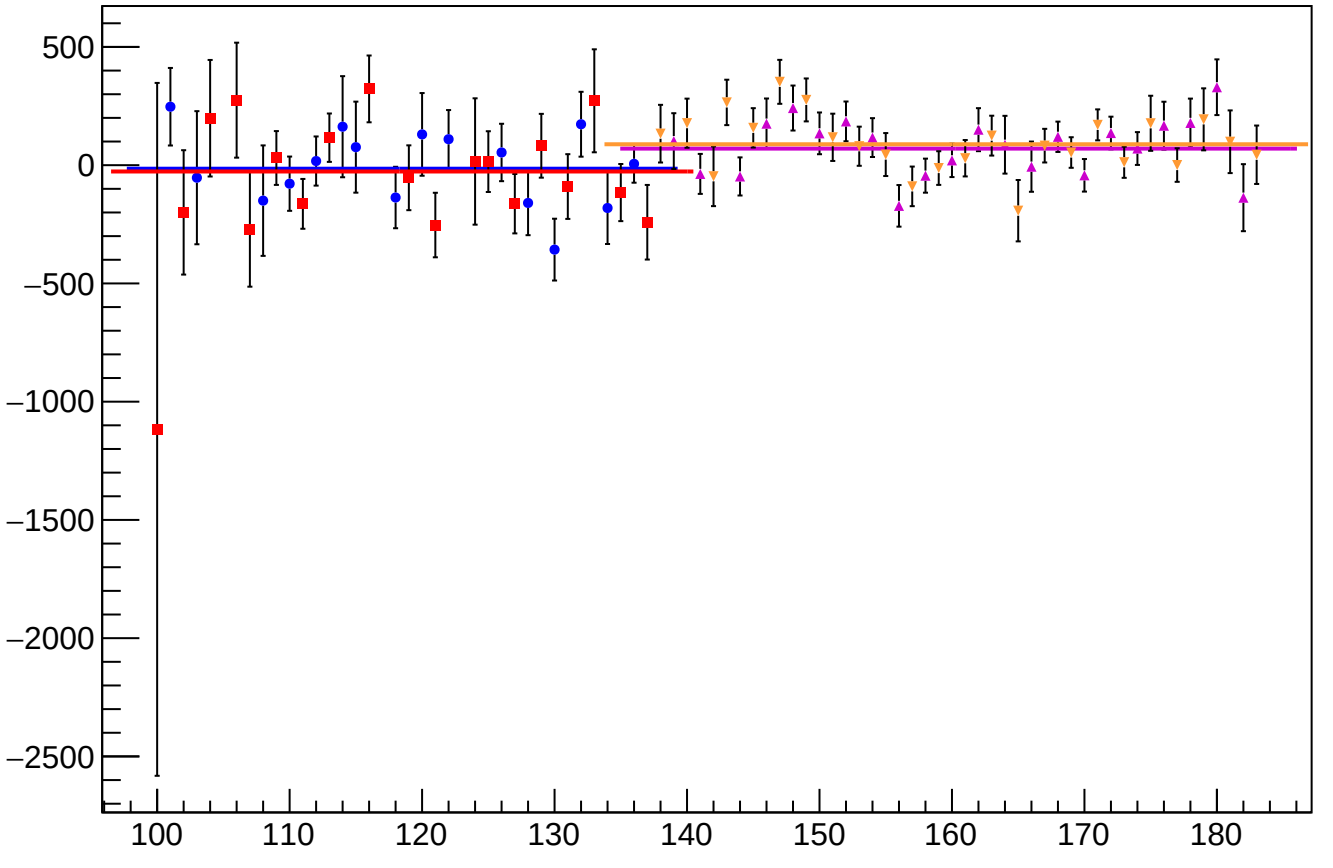
Left: 530.612+/-0.063 χ^2/NDF: 3833437.6/45

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 575.133+/-0.086 χ^2/NDF:4937853.0/37

Out: 578.199+/-0.084 χ^2/NDF:5209376.3/42

All: 576.700+/-0.060 χ^2/NDF: 10147884.9/80



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 88.459+/-17.837 χ^2/NDF:36.9/23

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 70.080+/-18.359 χ^2/NDF:35.9/21

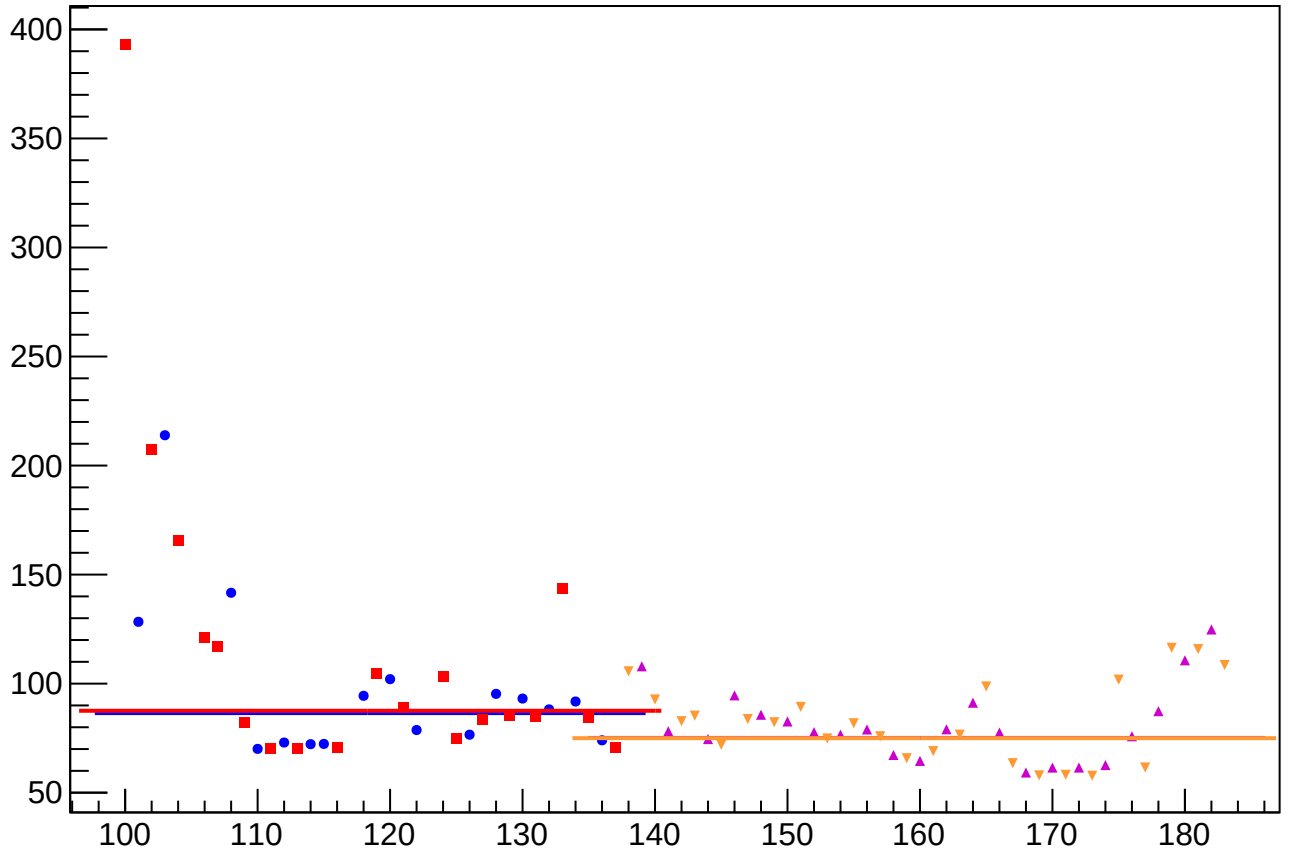
Left: 79.534+/-12.793 χ^2/NDF: 73.3/45

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 50.674+/-16.128 χ^2/NDF:59.1/37

Out: 63.697+/-15.803 χ^2/NDF:69.4/42

All: 57.318+/-11.288 χ^2/NDF: 128.8/80



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 74.987+/-0.013 χ^2/NDF:1589384.0/23

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: 75.040+/-0.009 χ^2/NDF: 2767937.4/45

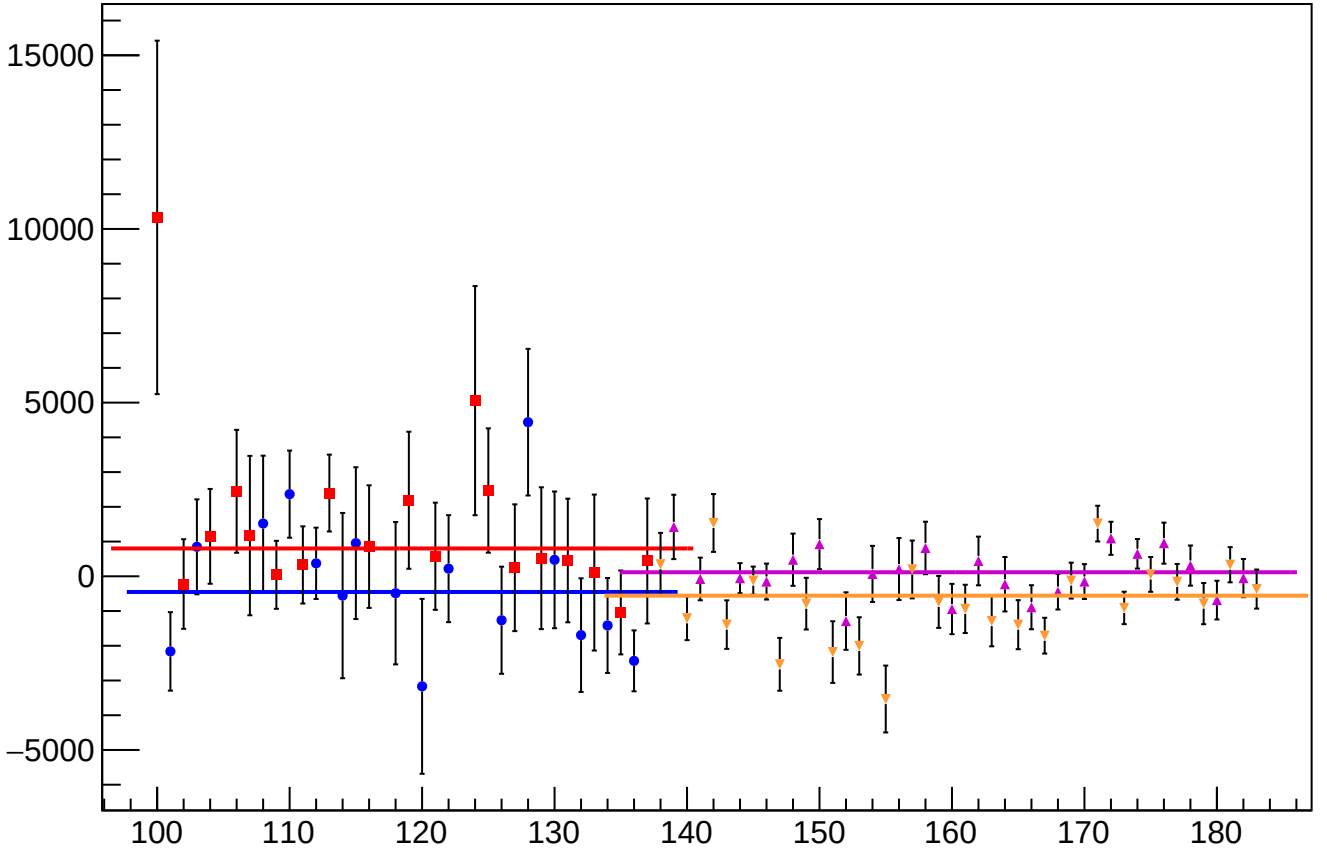
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 77.697+/-0.011 χ^2/NDF:2210534.2/37

Out: 77.690+/-0.011 χ^2/NDF:2932751.5/42

All: 77.694+/-0.008 χ^2/NDF: 5143285.9/80

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: -557.271+/-125.502 χ^2/NDF:65.4/23

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: -227.882+/-89.717 χ^2/NDF: 103.9/45

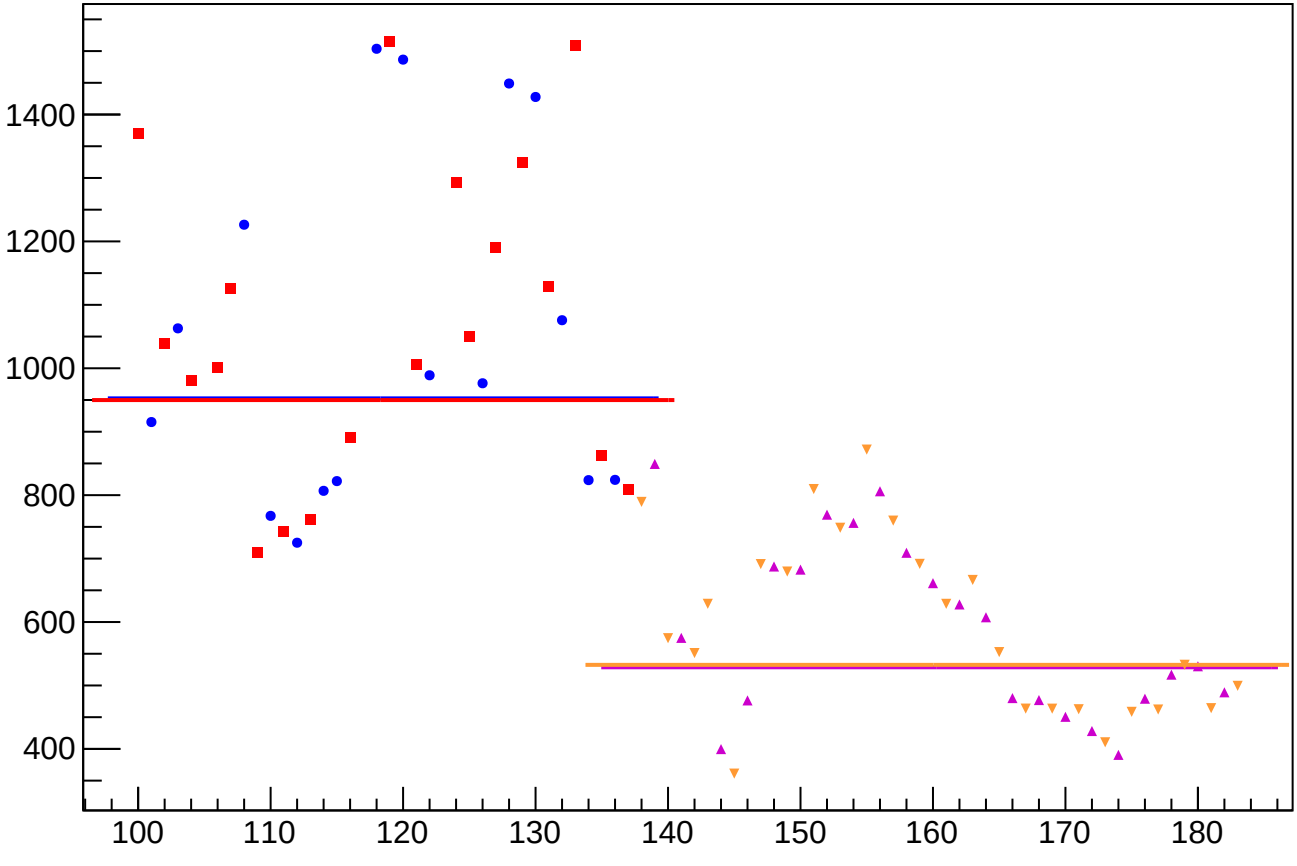
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: 54.121+/-121.064 χ^2/NDF:50.2/37

Out: -408.493+/-118.430 χ^2/NDF:91.9/42

All: -182.274+/-84.659 χ^2/NDF: 149.5/80

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 532.486+/-0.089 χ^2/NDF:2034820.9/23

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 528.652+/-0.091 χ^2/NDF:1797693.6/21

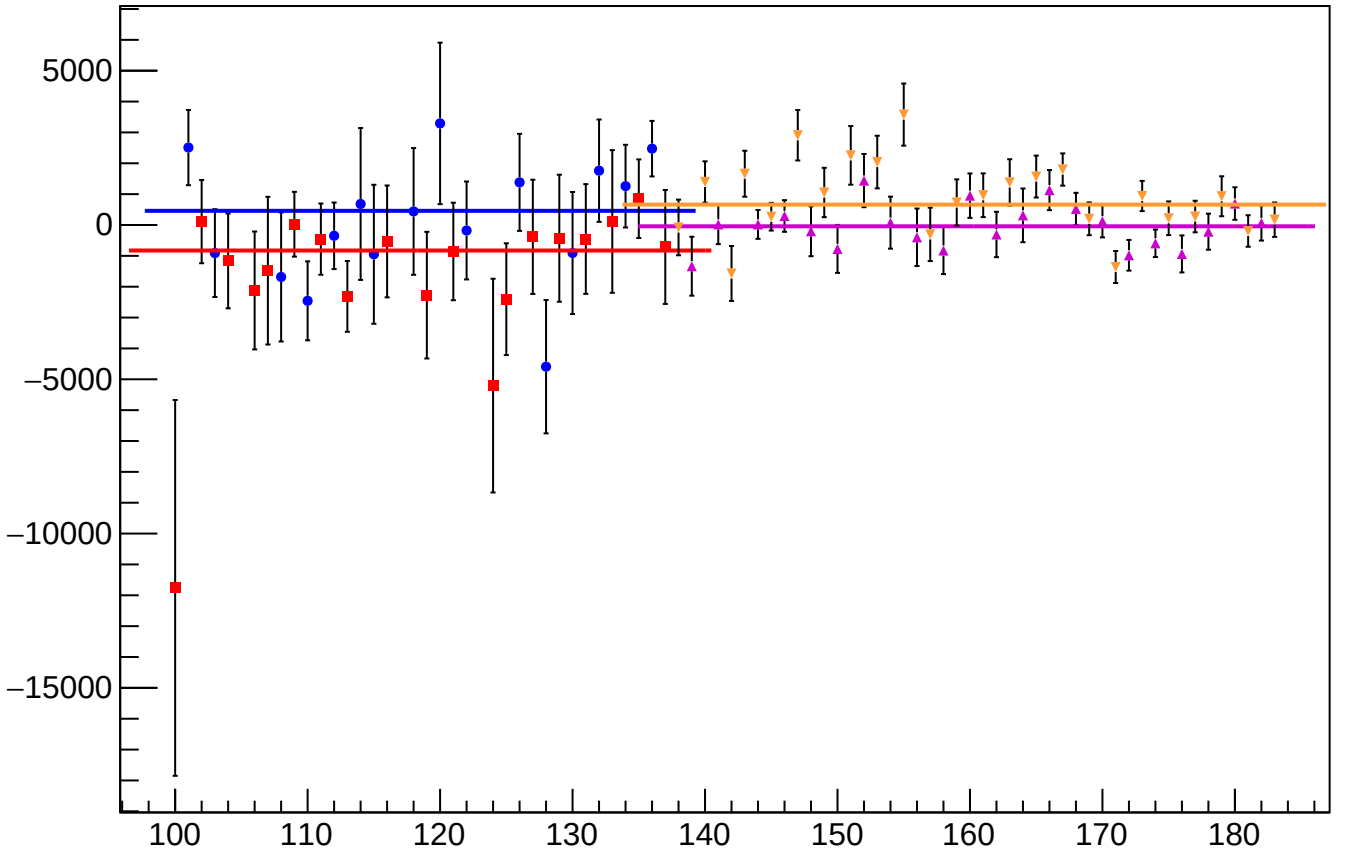
Left: 530.611+/-0.063 χ^2/NDF: 3833426.9/45

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 575.133+/-0.086 χ^2/NDF:4937840.1/37

Out: 578.199+/-0.084 χ^2/NDF:5209361.7/42

All: 576.700+/-0.060 χ^2/NDF: 10147857.3/80



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 660.534+/-130.415 χ^2/NDF:62.5/23

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: 314.493+/-92.924 χ^2/NDF: 100.3/45

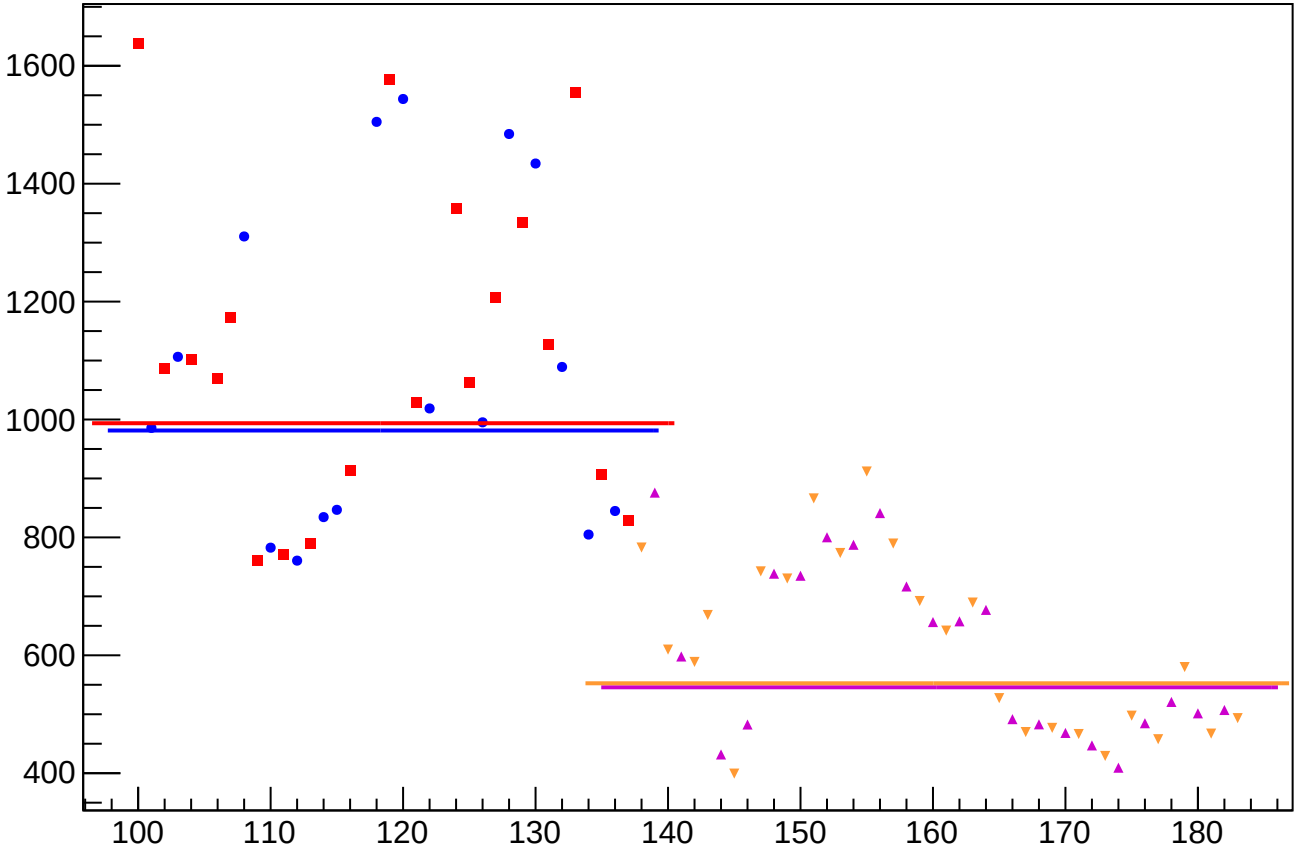
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 12.767+/-124.946 χ^2/NDF:49.7/37

Out: 499.505+/-123.152 χ^2/NDF:88.2/42

All: 259.656+/-87.709 χ^2/NDF: 145.6/80

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 552.524+/-0.092 χ^2/NDF:2007994.3/23

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 545.726+/-0.094 χ^2/NDF:1814506.1/21

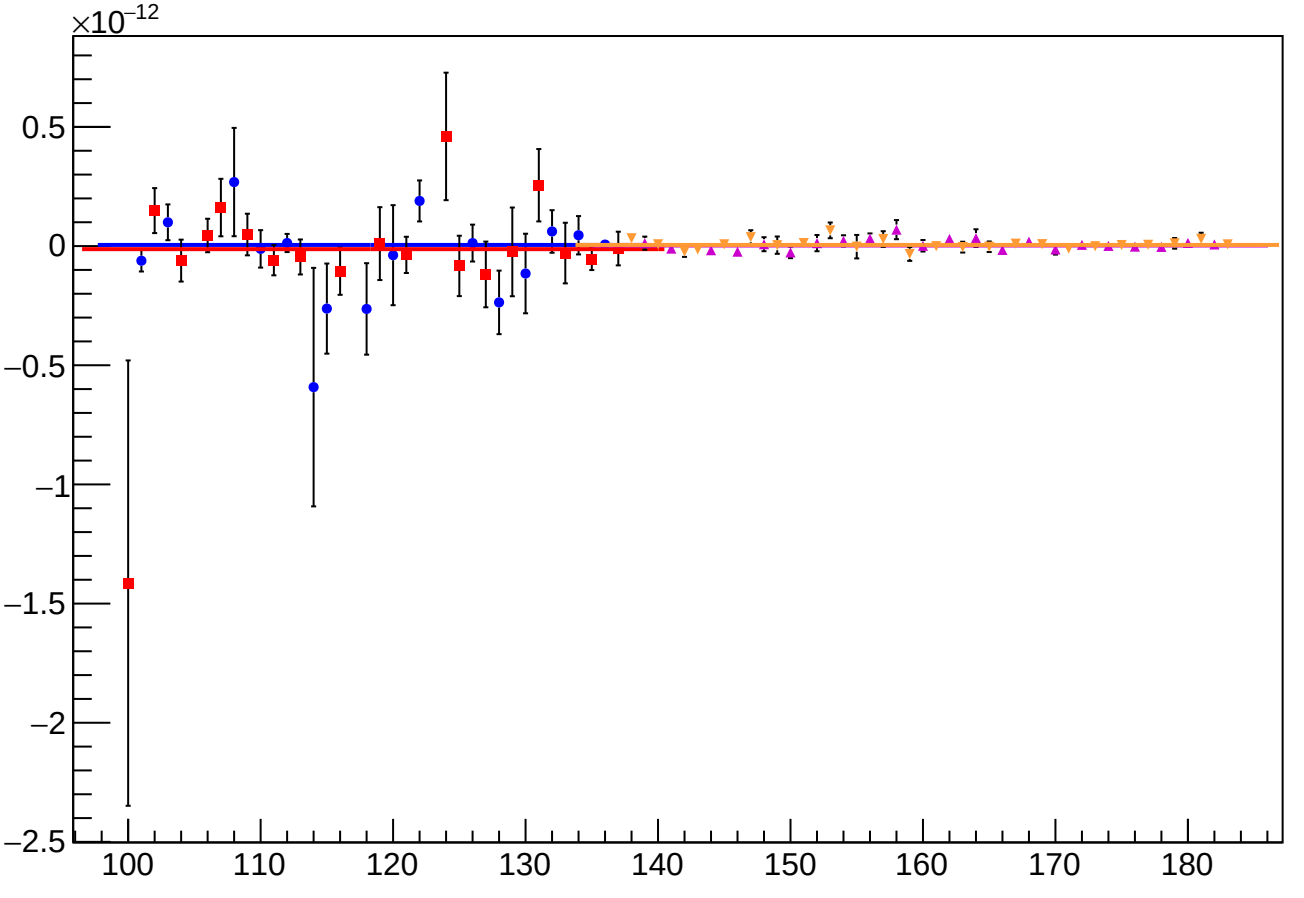
Left: 549.177+/-0.066 χ^2/NDF: 3825175.2/45

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 593.607+/-0.088 χ^2/NDF:4930573.6/37

Out: 600.295+/-0.087 χ^2/NDF:5206012.7/42

All: 597.000+/-0.062 χ^2/NDF: 10139492.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.9/21

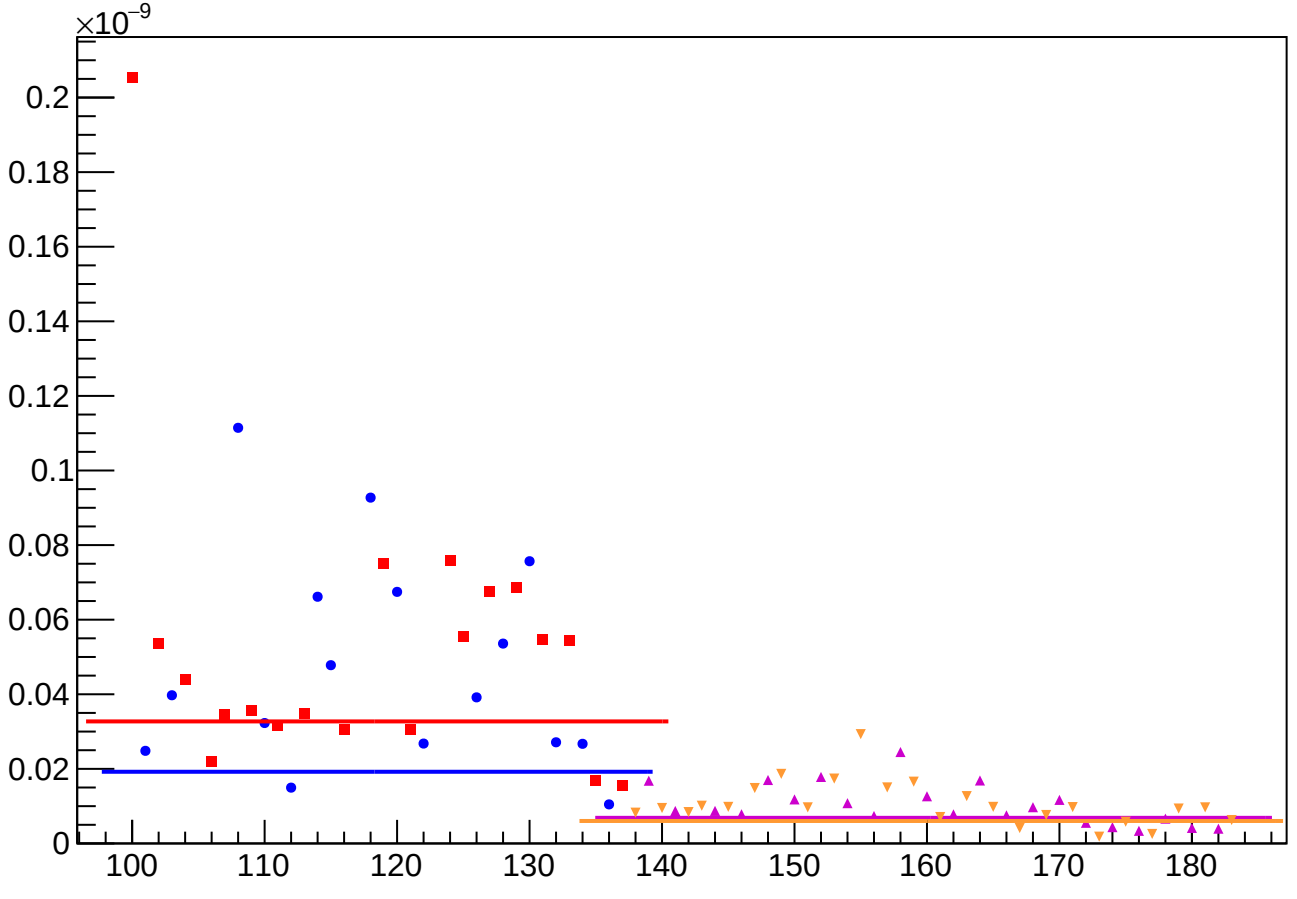
Left: 0.000+/-0.000 χ^2/NDF: 35.7/45

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:34.6/42

All: 0.000+/-0.000 χ^2/NDF: 74.4/80



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3600716.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2417052.6/21

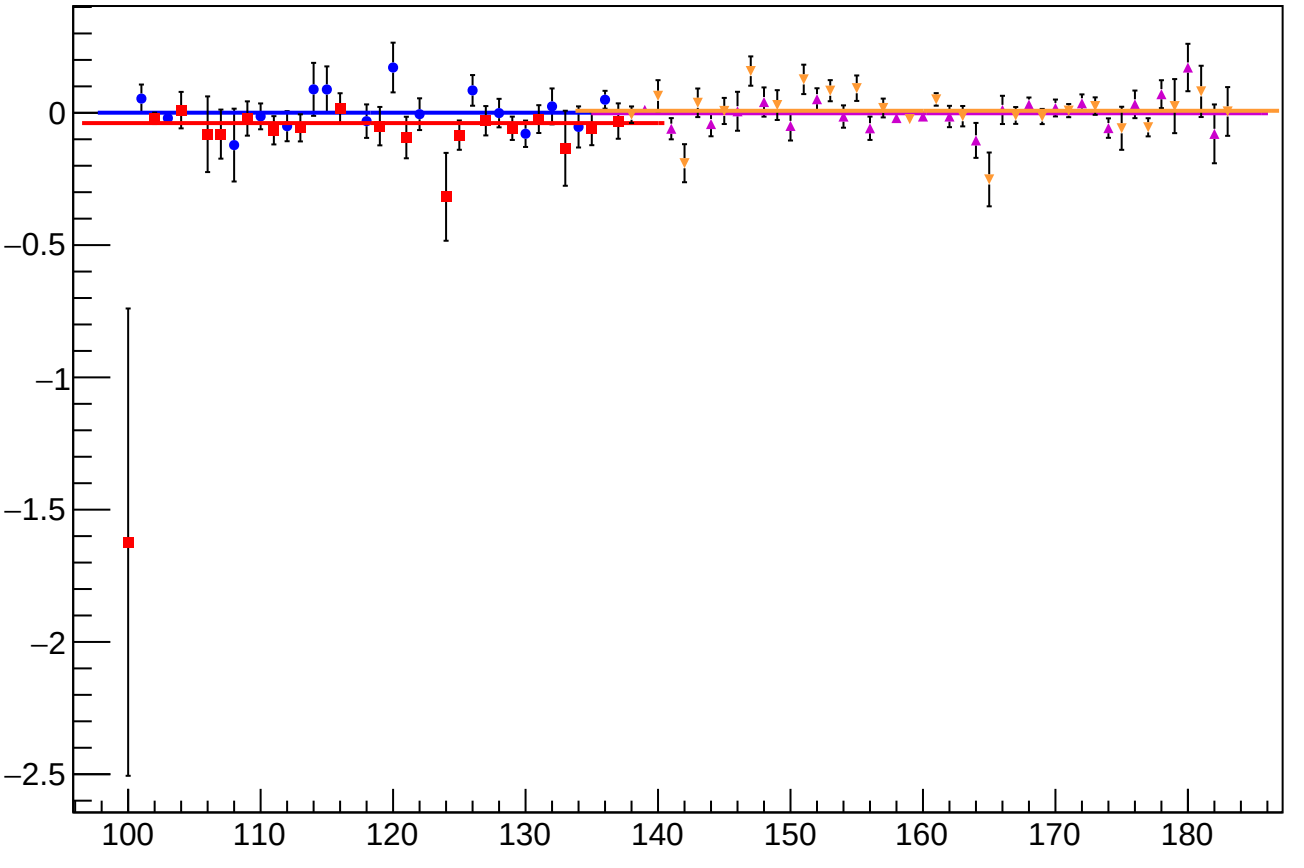
Left: 0.000+/-0.000 χ^2/NDF: 6085208.5/45

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:5782385.6/37

Out: 0.000+/-0.000 χ^2/NDF:8024062.5/42

All: 0.000+/-0.000 χ^2/NDF: 13889408.0/80



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/23

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: 72.9/45

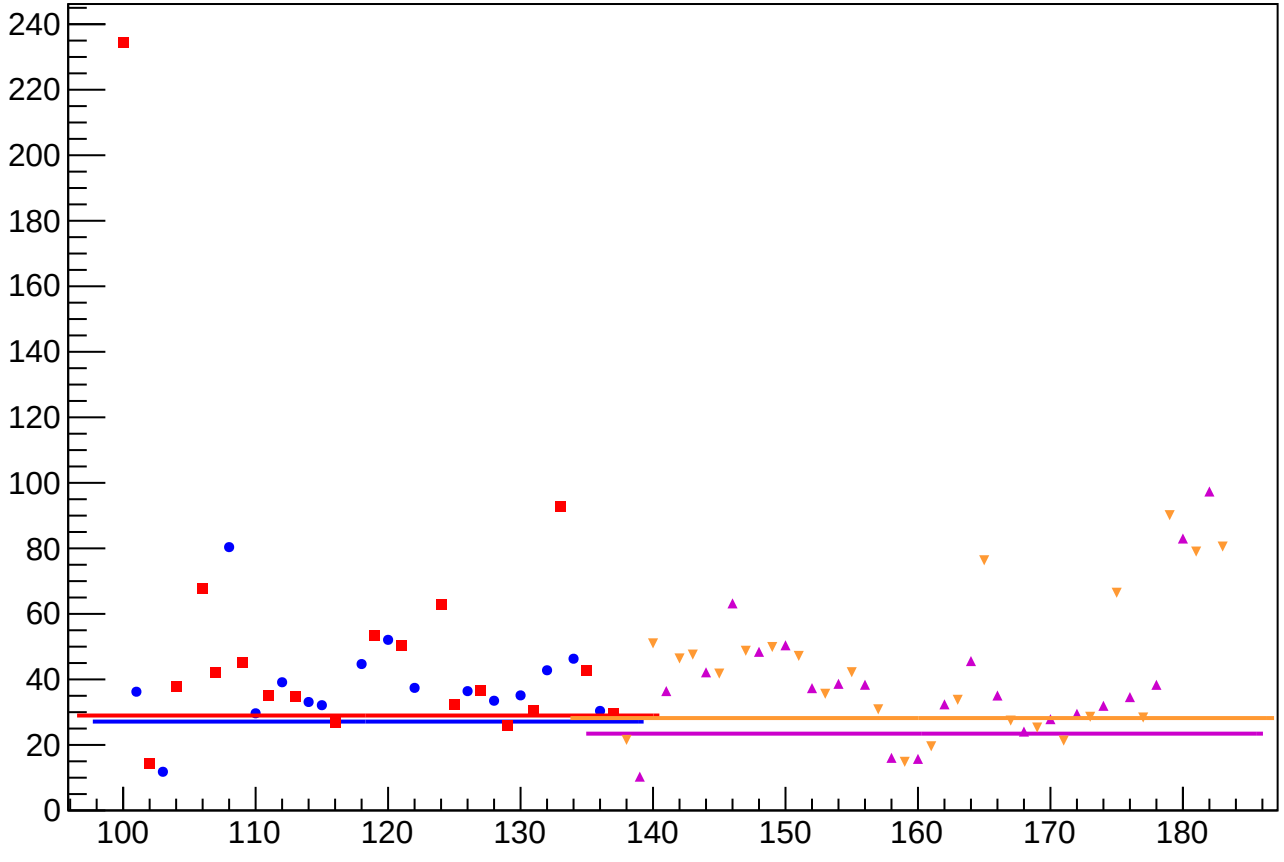
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:41.1/37

Out: -0.005+/-0.007 χ^2/NDF:68.5/42

All: -0.003+/-0.004 χ^2/NDF: 109.7/80

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 28.200+/-0.005 χ^2/NDF:6596387.7/23

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 23.444+/-0.005 χ^2/NDF:7997352.9/21

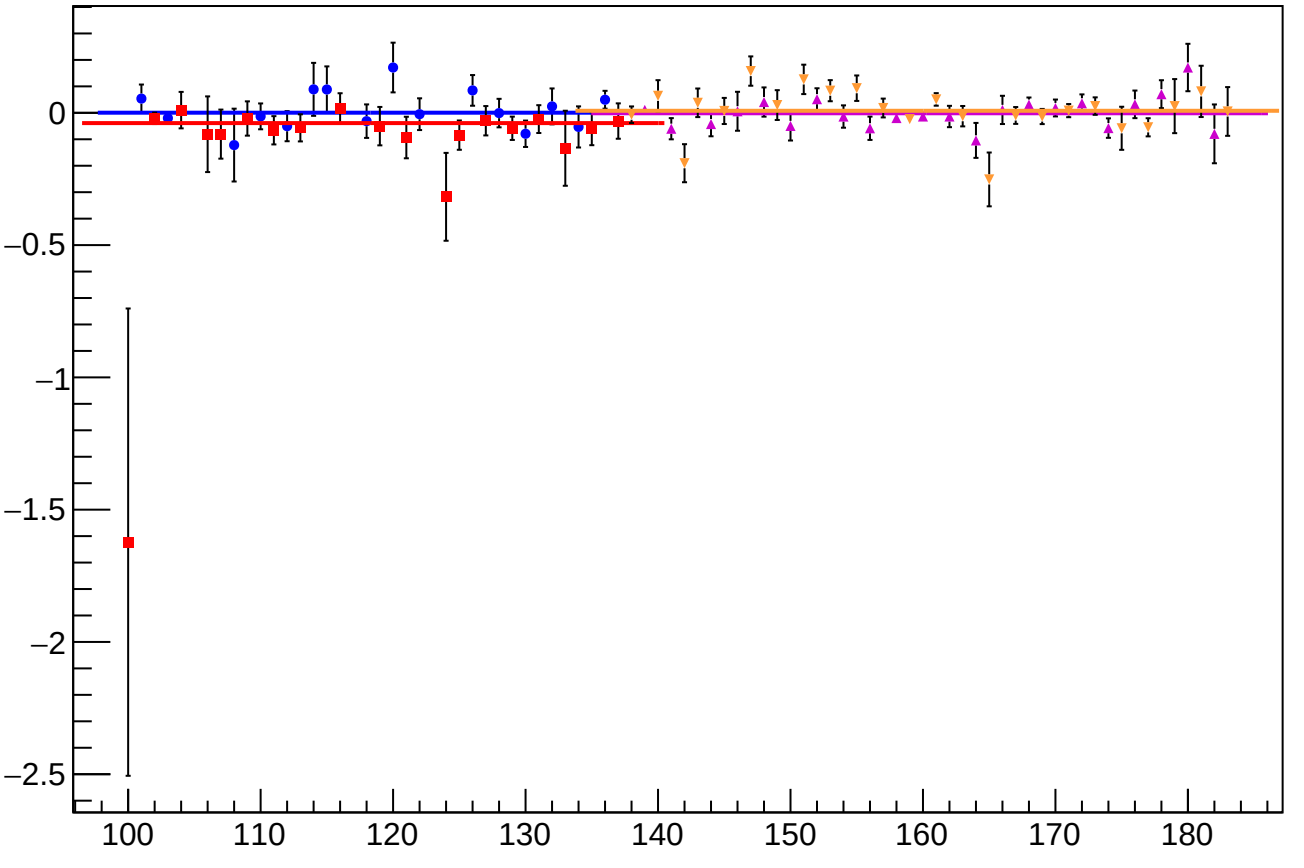
Left: 25.568+/-0.004 χ^2/NDF: 15028522.9/45

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 24.339+/-0.004 χ^2/NDF:10554576.7/37

Out: 28.406+/-0.005 χ^2/NDF:9058227.1/42

All: 26.185+/-0.003 χ^2/NDF: 20039767.8/80



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/23

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: 72.9/45

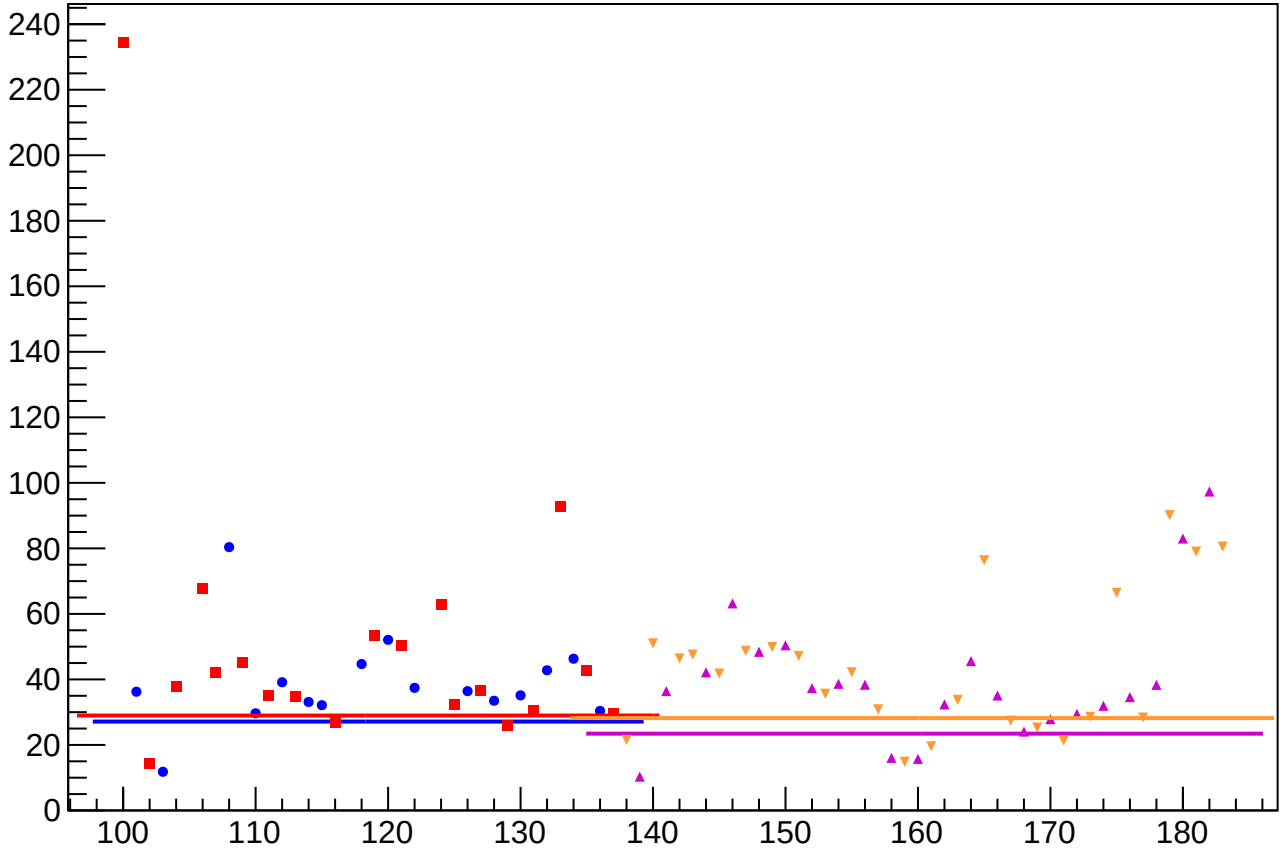
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:41.1/37

Out: -0.005+/-0.007 χ^2/NDF:68.5/42

All: -0.003+/-0.004 χ^2/NDF: 109.7/80

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 28.200+/-0.005 χ^2/NDF:6596387.7/23

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 23.444+/-0.005 χ^2/NDF:7997352.9/21

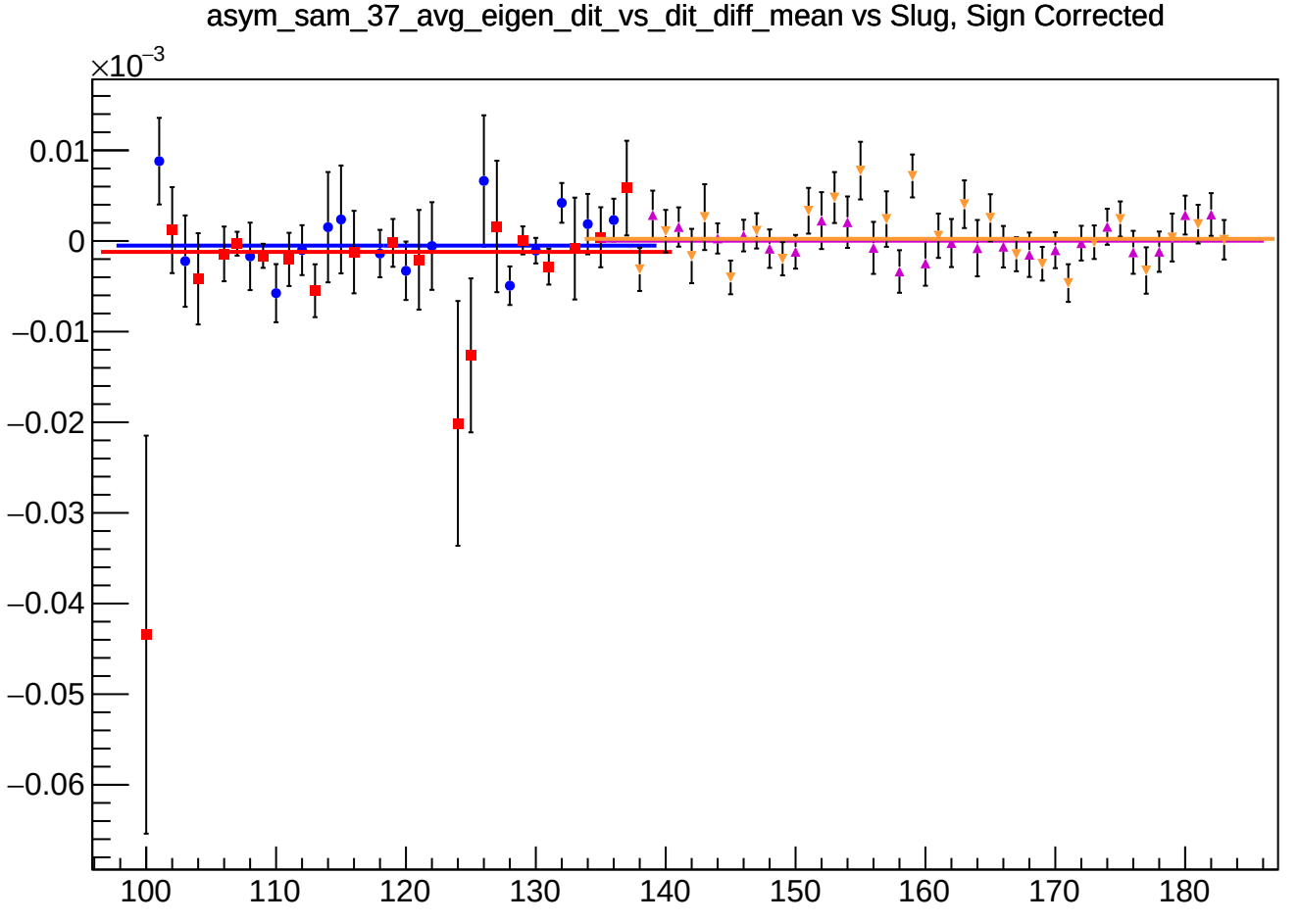
Left: 25.568+/-0.004 χ^2/NDF: 15028522.9/45

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 24.339+/-0.004 χ^2/NDF:10554576.7/37

Out: 28.406+/-0.005 χ^2/NDF:9058227.1/42

All: 26.185+/-0.003 χ^2/NDF: 20039767.8/80



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.9/23

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: 55.8/45

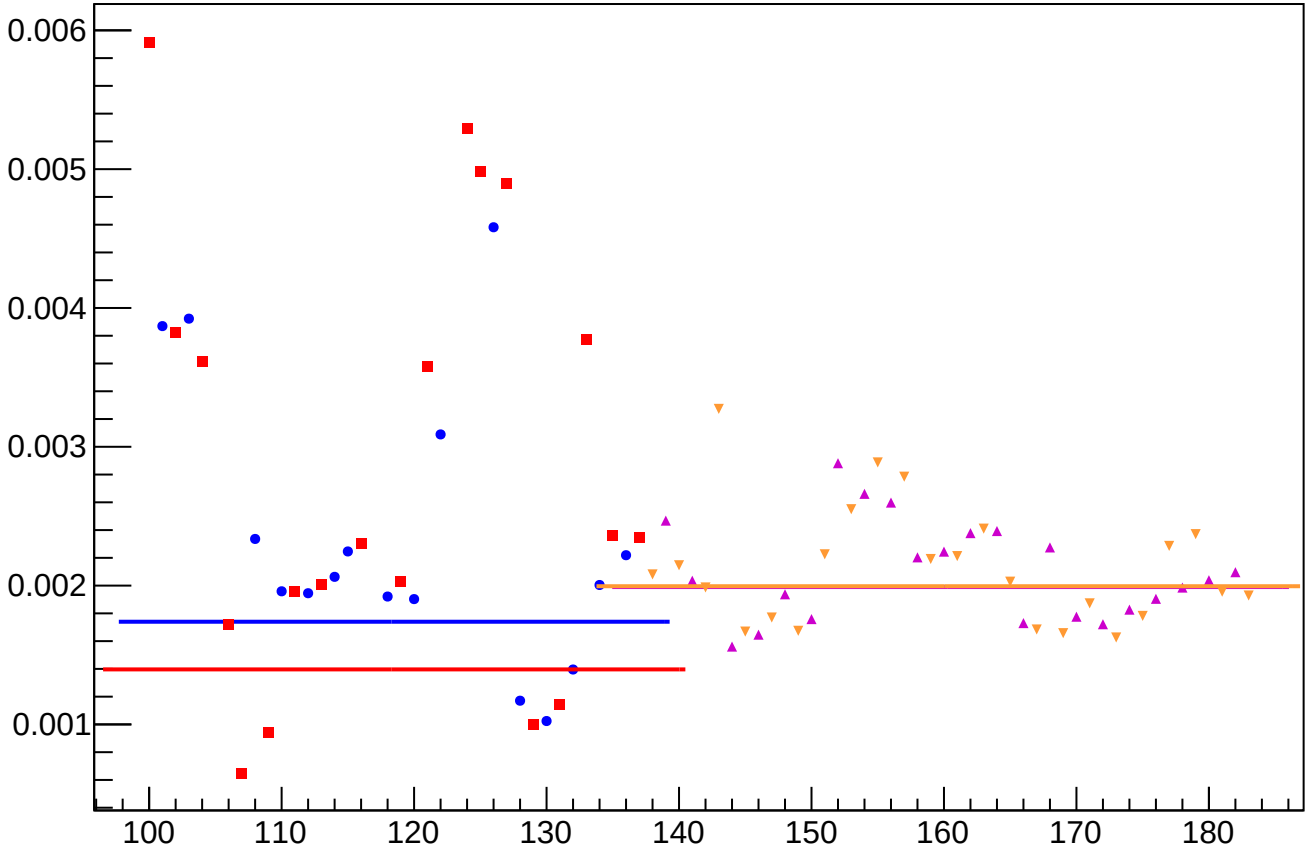
Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:32.2/37

Out: -0.000+/-0.000 χ^2/NDF:62.0/42

All: -0.000+/-0.000 χ^2/NDF: 94.3/80

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1173157.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:920871.8/21

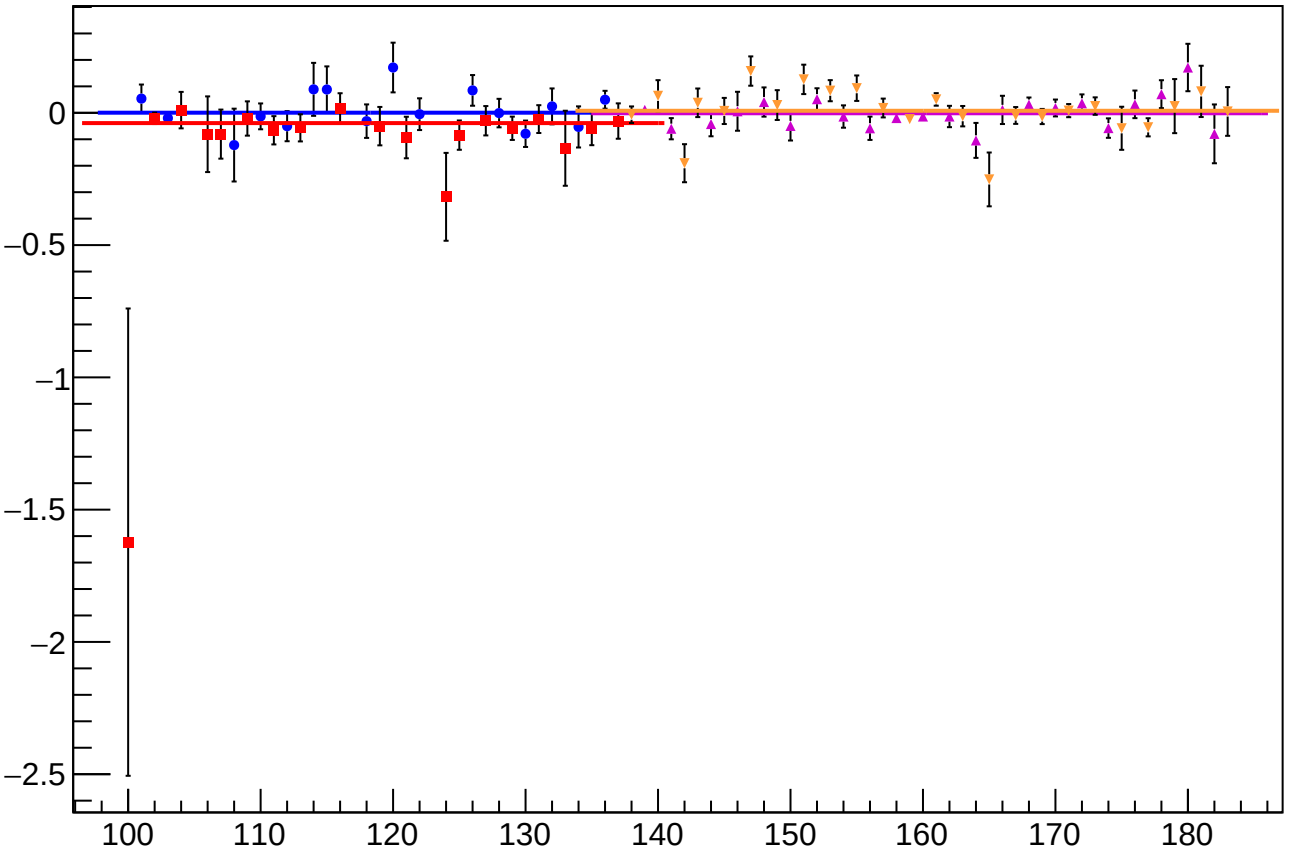
Left: 0.002+/-0.000 χ^2/NDF: 2094189.6/45

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:6710998.7/42

All: 0.002+/-0.000 χ^2/NDF: 10075272.8/80



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/23

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: 72.9/45

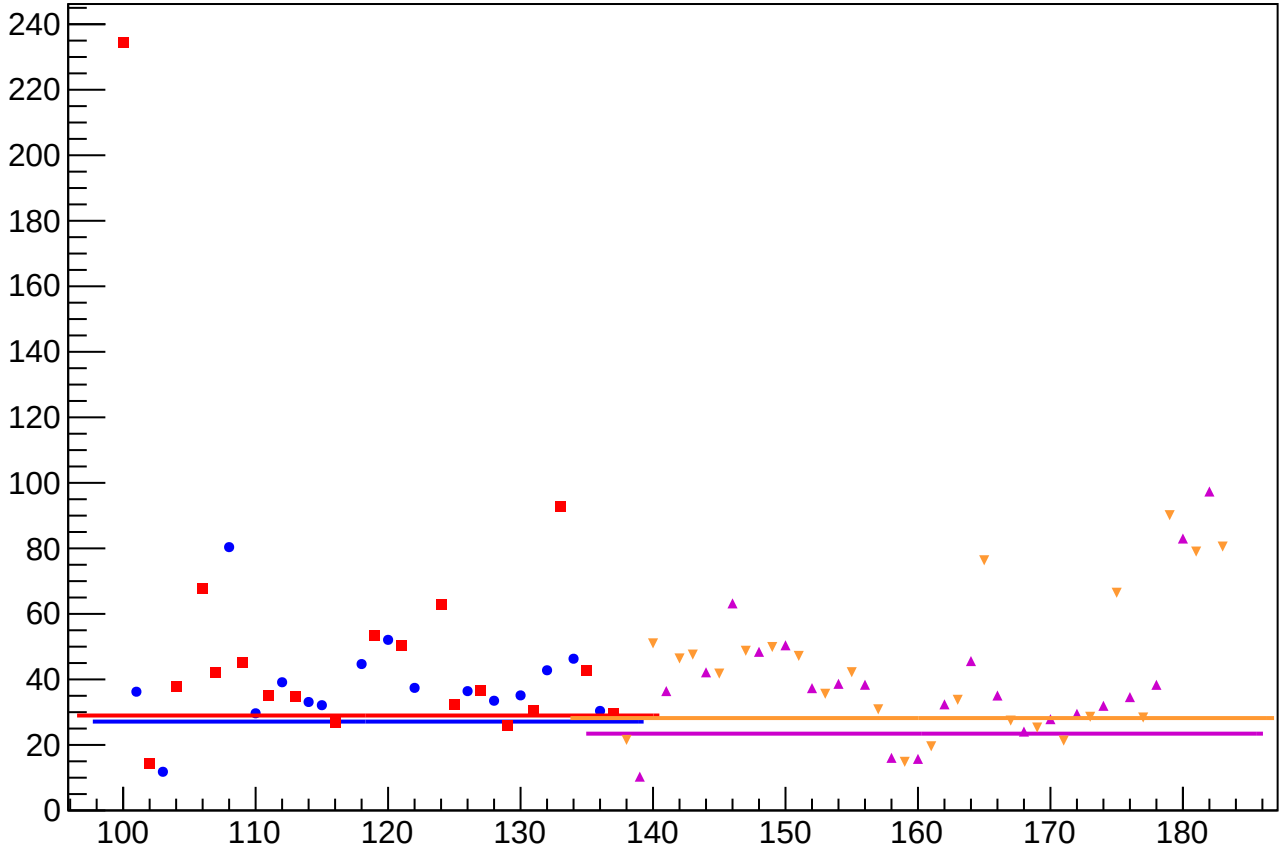
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:41.1/37

Out: -0.005+/-0.007 χ^2/NDF:68.5/42

All: -0.003+/-0.004 χ^2/NDF: 109.7/80

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 28.200+/-0.005 χ^2/NDF:6596843.5/23

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 23.443+/-0.005 χ^2/NDF:7998399.4/21

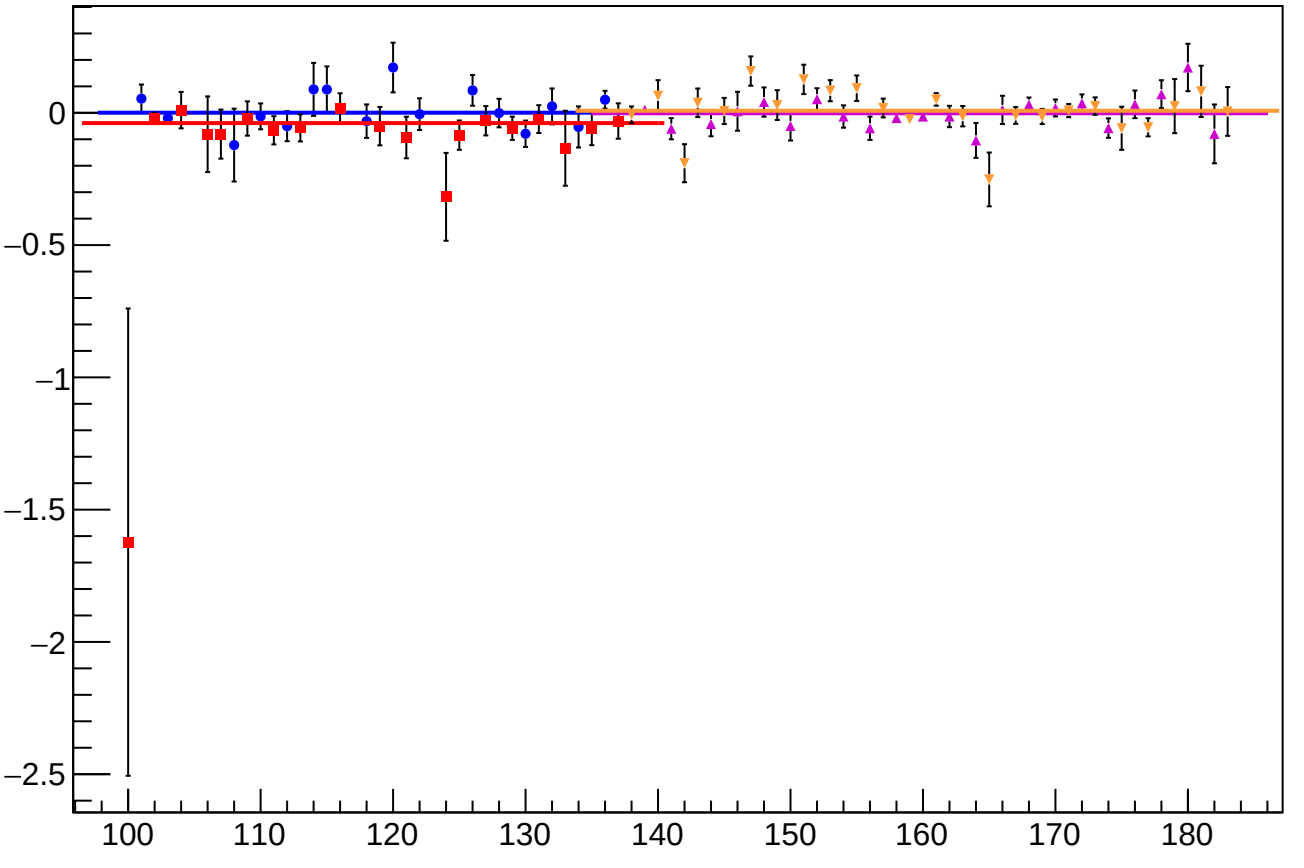
Left: 25.567+/-0.004 χ^2/NDF: 15030178.8/45

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 24.338+/-0.004 χ^2/NDF:10555991.6/37

Out: 28.407+/-0.005 χ^2/NDF:9058131.5/42

All: 26.185+/-0.003 χ^2/NDF: 20041403.7/80



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/23

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: 72.9/45

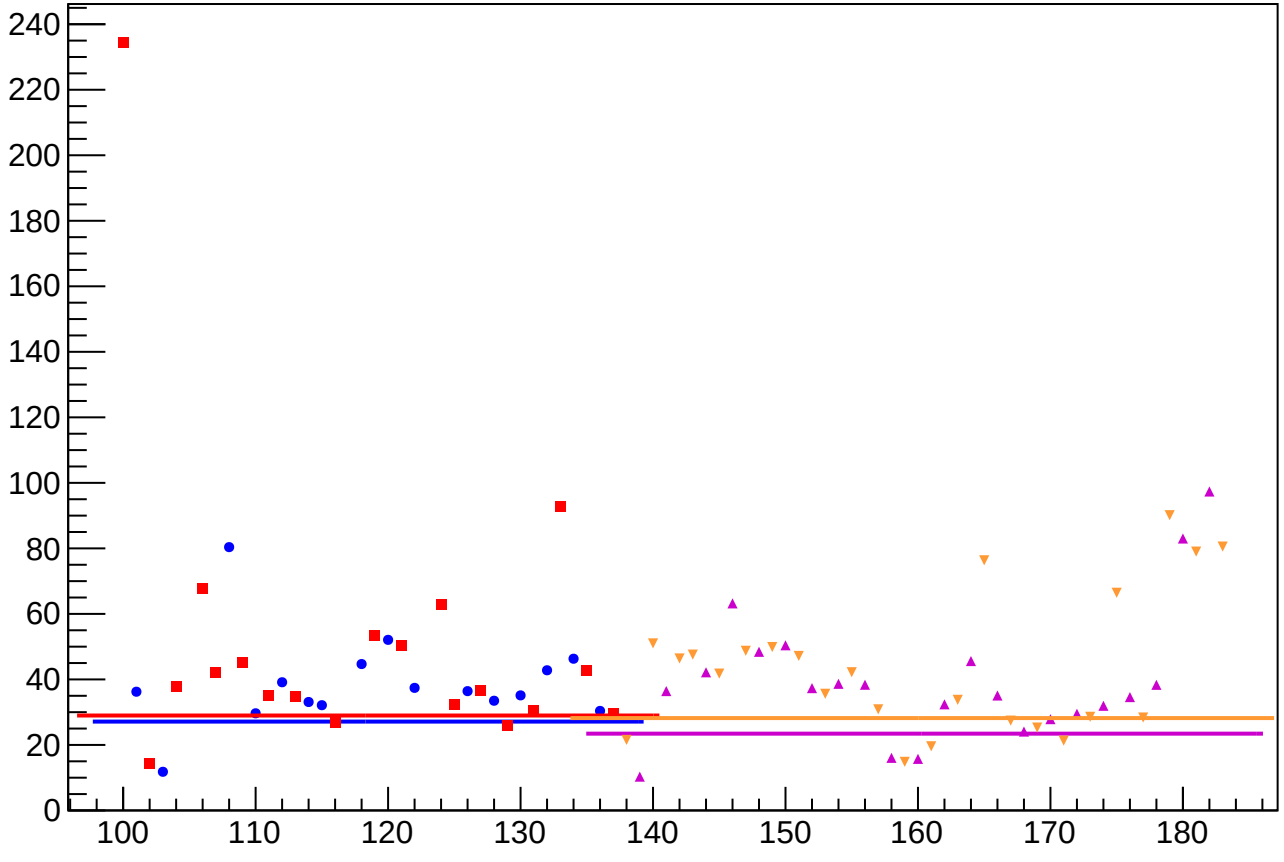
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:41.1/37

Out: -0.005+/-0.007 χ^2/NDF:68.5/42

All: -0.003+/-0.004 χ^2/NDF: 109.7/80

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 28.200+/-0.005 χ^2/NDF:6596843.5/23

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 23.443+/-0.005 χ^2/NDF:7998399.4/21

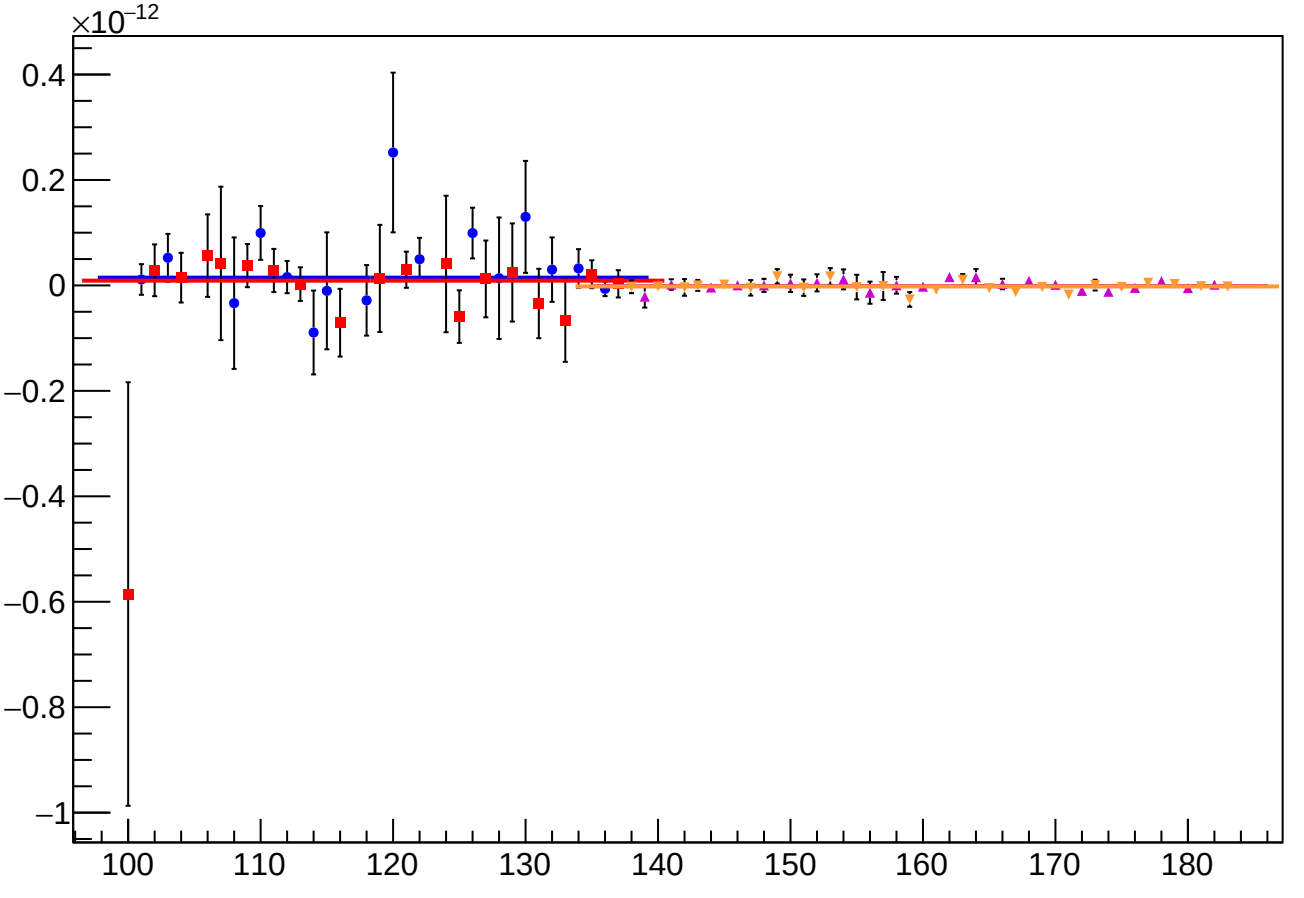
Left: 25.567+/-0.004 χ^2/NDF: 15030178.8/45

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 24.338+/-0.004 χ^2/NDF:10555991.6/37

Out: 28.407+/-0.005 χ^2/NDF:9058131.5/42

All: 26.185+/-0.003 χ^2/NDF: 20041403.7/80



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/23

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: 31.3/45

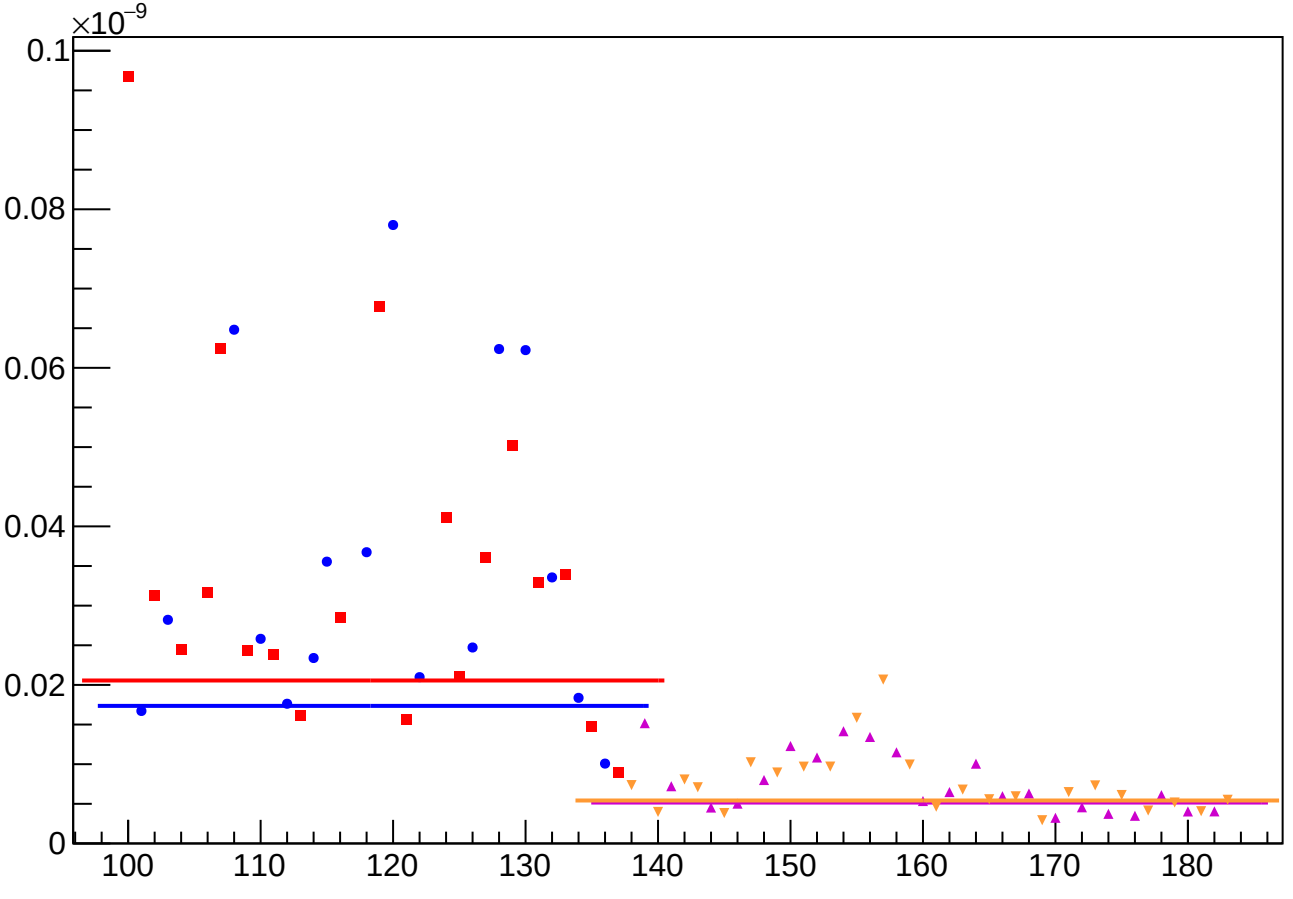
Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: -0.000+/-0.000 χ^2/NDF:34.5/37

Out: -0.000+/-0.000 χ^2/NDF:25.5/42

All: -0.000+/-0.000 χ^2/NDF: 60.1/80

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3064291.3/23

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: 6476028.6/45

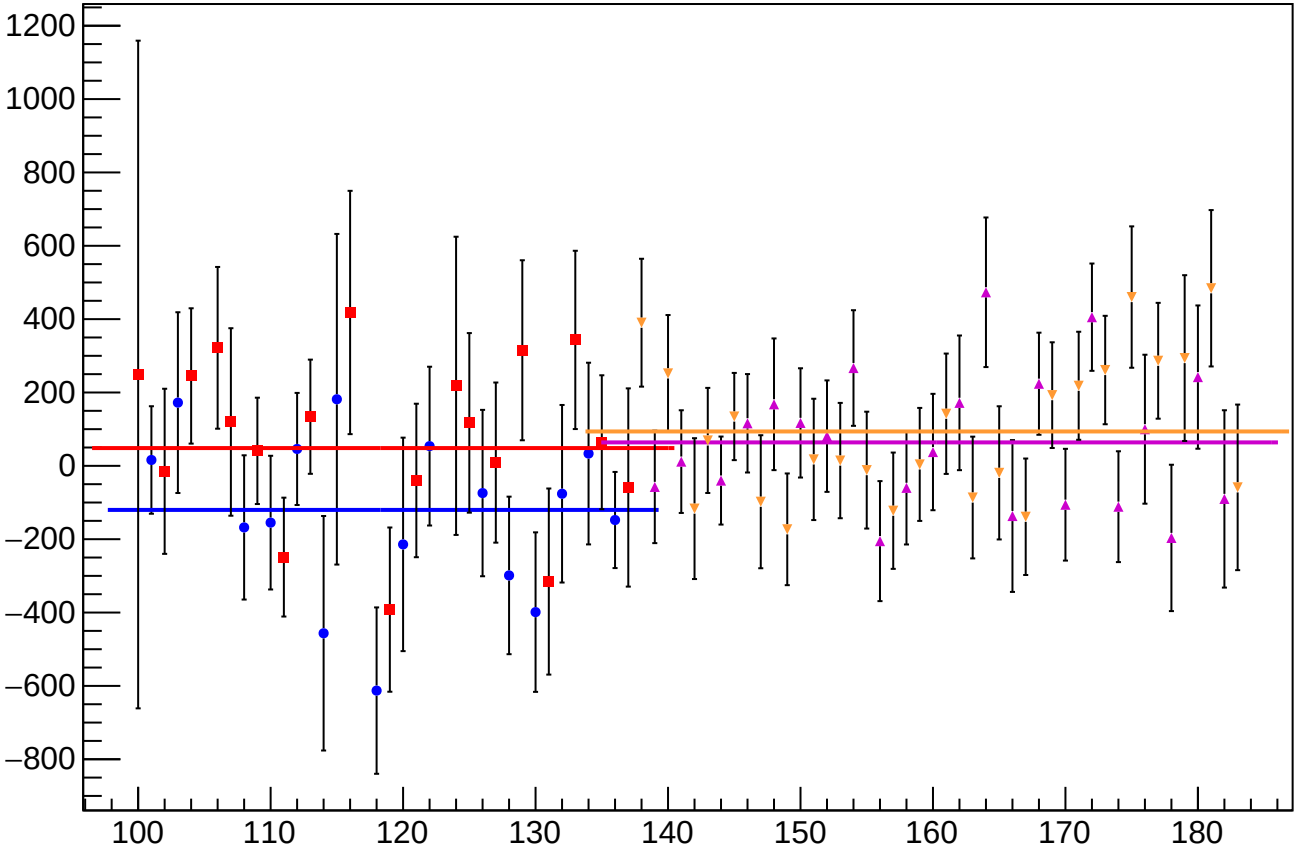
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:9048224.7/37

Out: 0.000+/-0.000 χ^2/NDF:8794891.9/42

All: 0.000+/-0.000 χ^2/NDF: 17862860.8/80

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 93.775+/-33.288 χ^2/NDF:28.5/23

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: 79.278+/-23.873 χ^2/NDF: 53.7/45

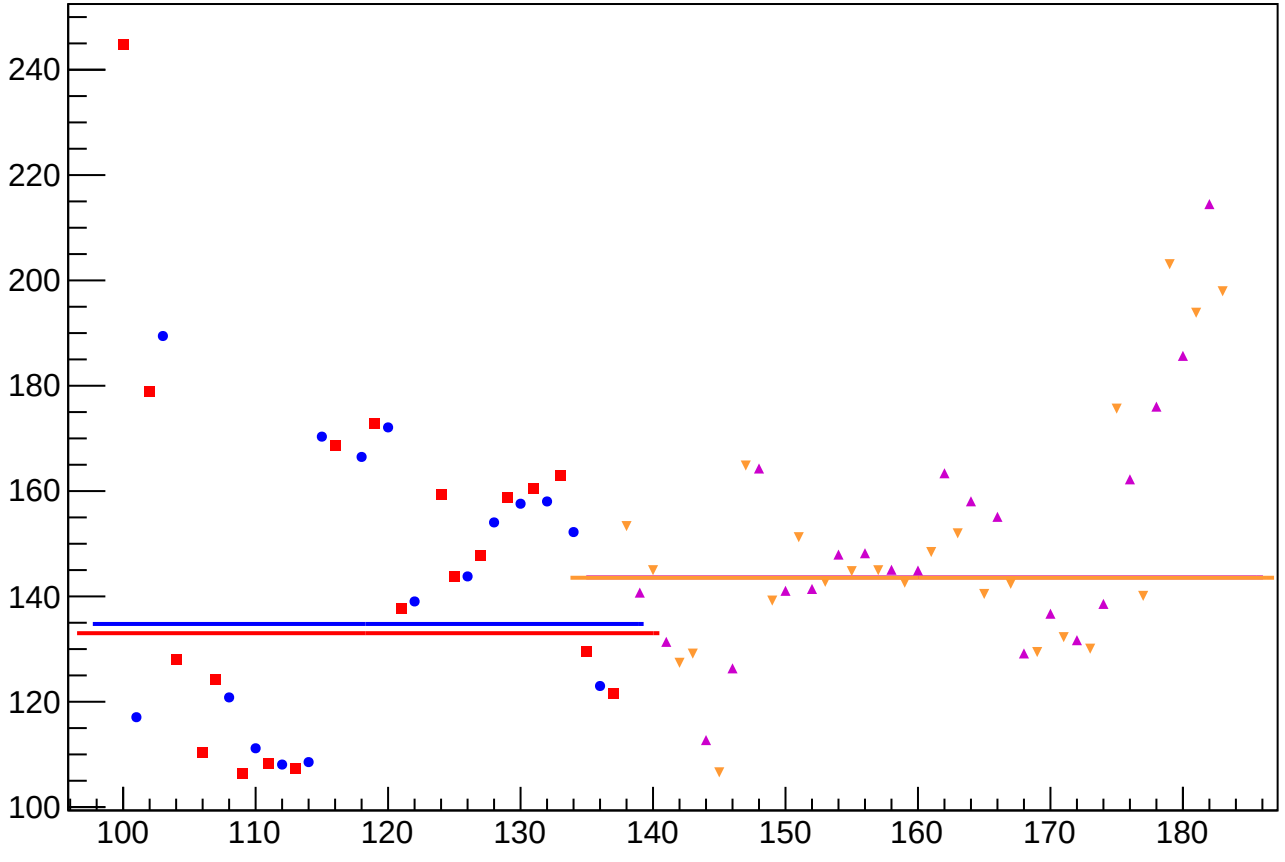
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: 6.853+/-28.455 χ^2/NDF:47.2/37

Out: 79.820+/-27.694 χ^2/NDF:46.1/42

All: 44.325+/-19.846 χ^2/NDF: 96.6/80

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 143.545+/-0.024 χ^2/NDF:745821.5/23

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: 143.579+/-0.017 χ^2/NDF: 1373210.1/45

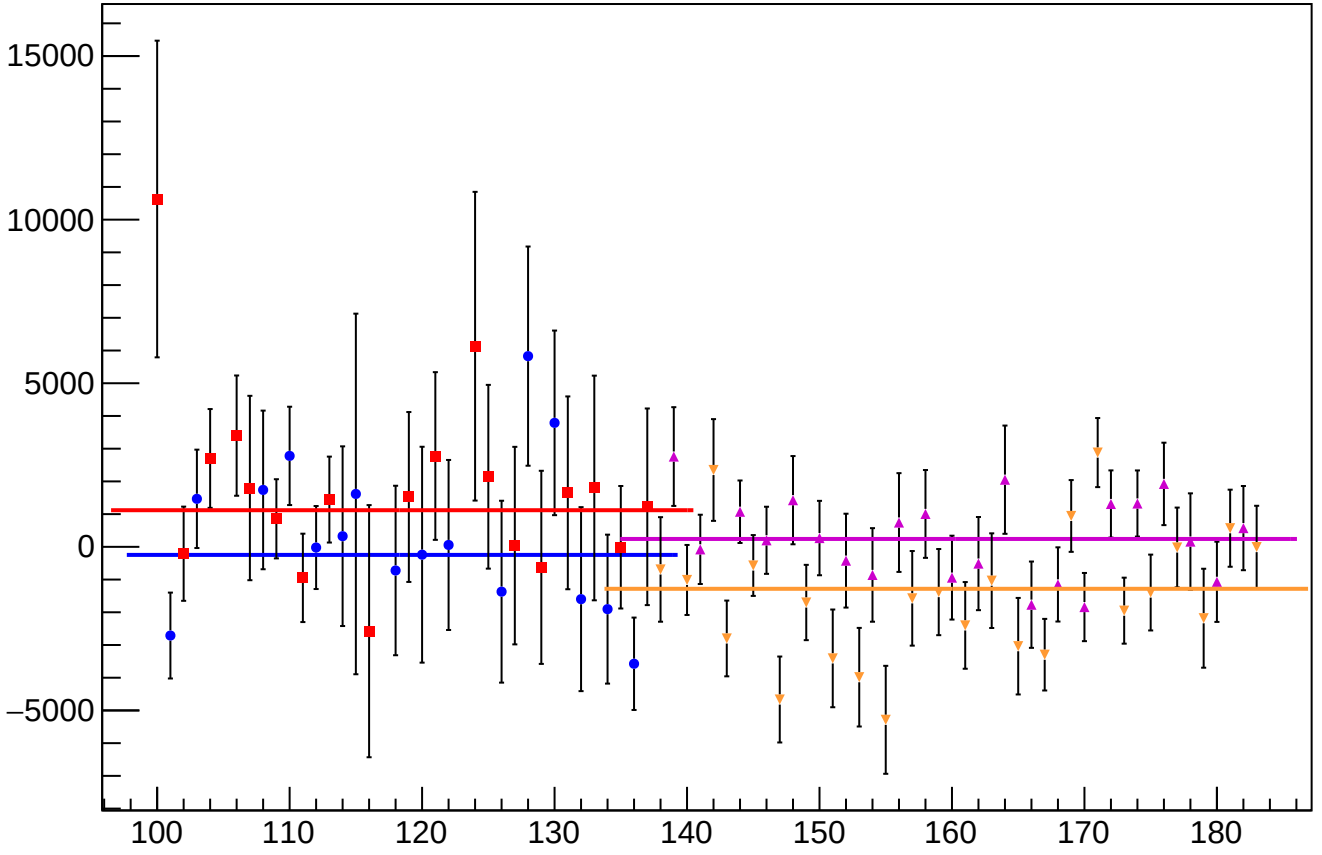
Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 140.874+/-0.020 χ^2/NDF:1085504.0/37

Out: 140.304+/-0.020 χ^2/NDF:1303098.7/42

All: 140.581+/-0.014 χ^2/NDF: 2389015.0/80

asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1282.502+/-254.121 χ^2/NDF:56.5/23

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 241.039+/-260.813 χ^2/NDF:21.0/21

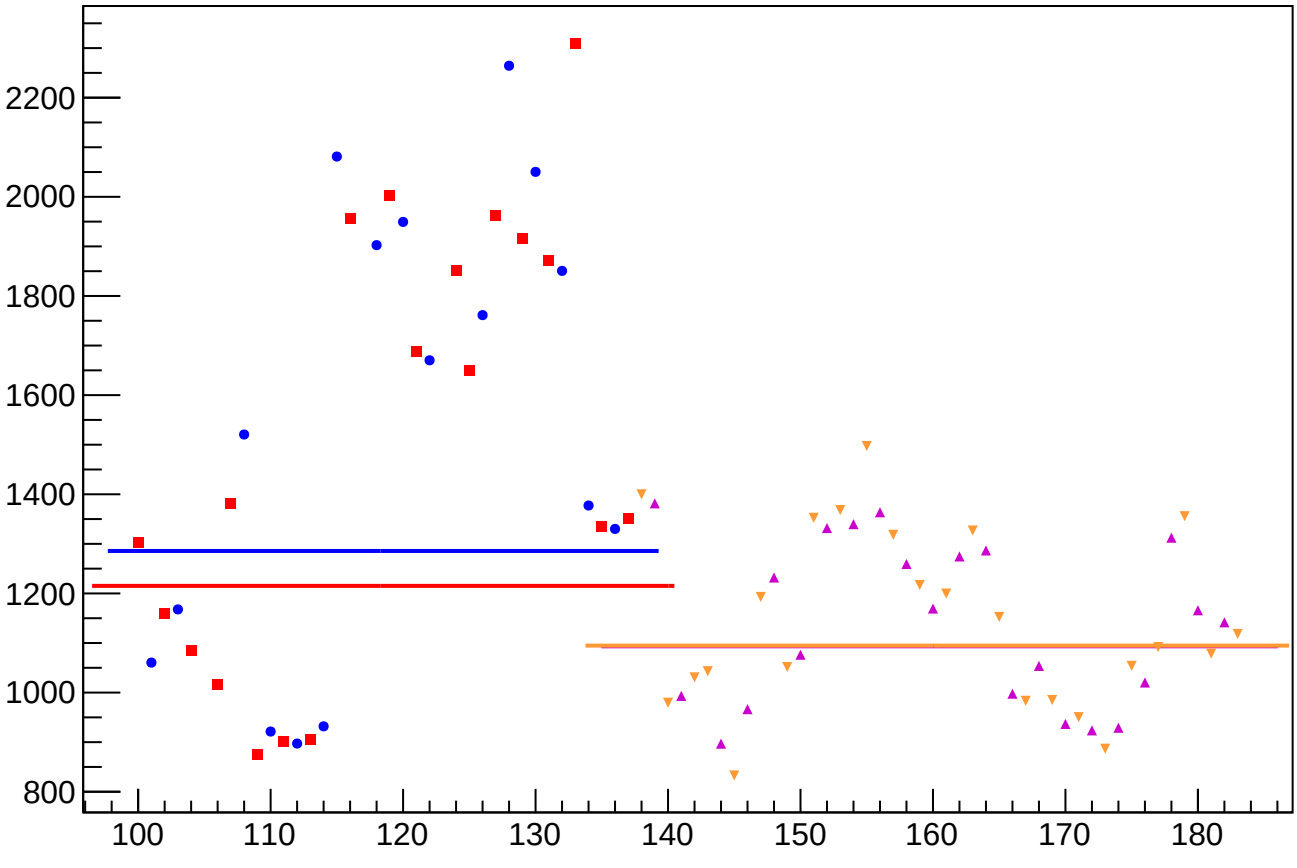
Left: -540.528+/-182.011 χ^2/NDF: 95.0/45

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 137.249+/-231.383 χ^2/NDF:43.4/37

Out: -736.292+/-223.366 χ^2/NDF:90.2/42

All: -314.917+/-160.703 χ^2/NDF: 141.0/80



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1094.767+/-0.180 χ^2/NDF:879397.3/23

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1093.311+/-0.184 χ^2/NDF:730202.0/21

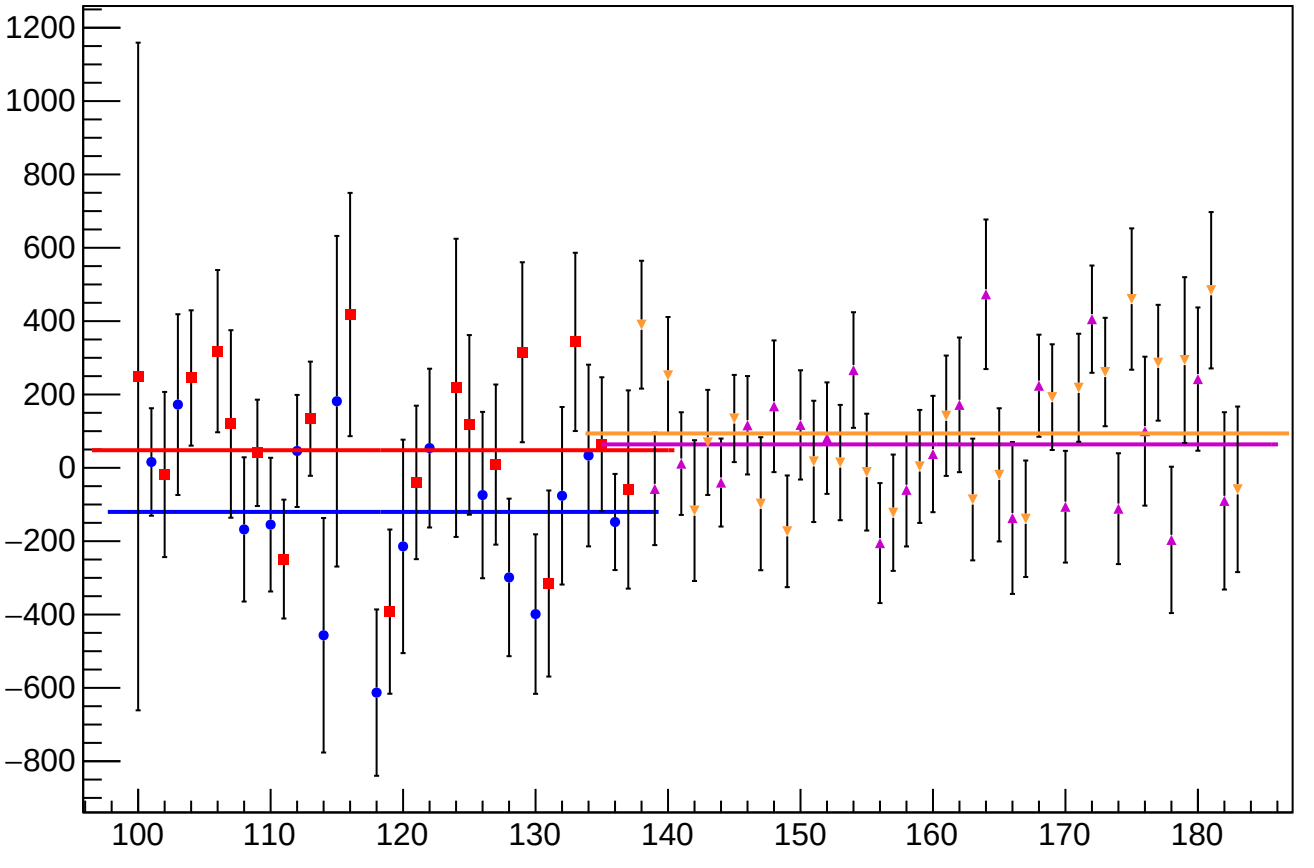
Left: 1094.058+/-0.129 χ^2/NDF: 1609631.3/45

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1134.273+/-0.164 χ^2/NDF:2132303.7/37

Out: 1122.162+/-0.158 χ^2/NDF:2367901.5/42

All: 1128.004+/-0.114 χ^2/NDF: 4503041.2/80



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 93.785+/-33.288 χ^2/NDF:28.5/23

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 63.927+/-34.256 χ^2/NDF:24.8/21

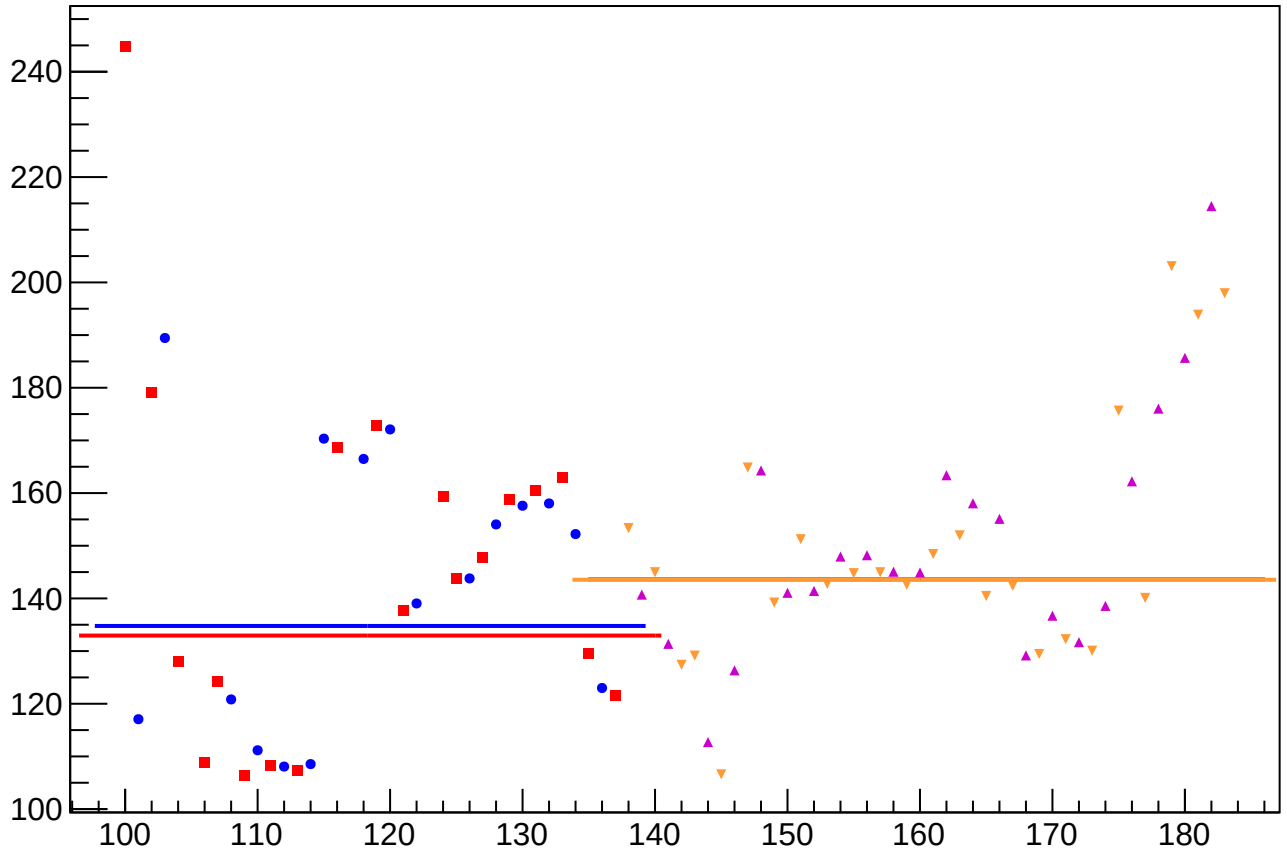
Left: 79.284+/-23.873 χ^2/NDF: 53.7/45

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 6.852+/-28.455 χ^2/NDF:47.2/37

Out: 79.696+/-27.695 χ^2/NDF:46.0/42

All: 44.259+/-19.846 χ^2/NDF: 96.6/80



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 143.545+/-0.024 χ^2/NDF:745821.5/23

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 143.616+/-0.024 χ^2/NDF:627384.2/21

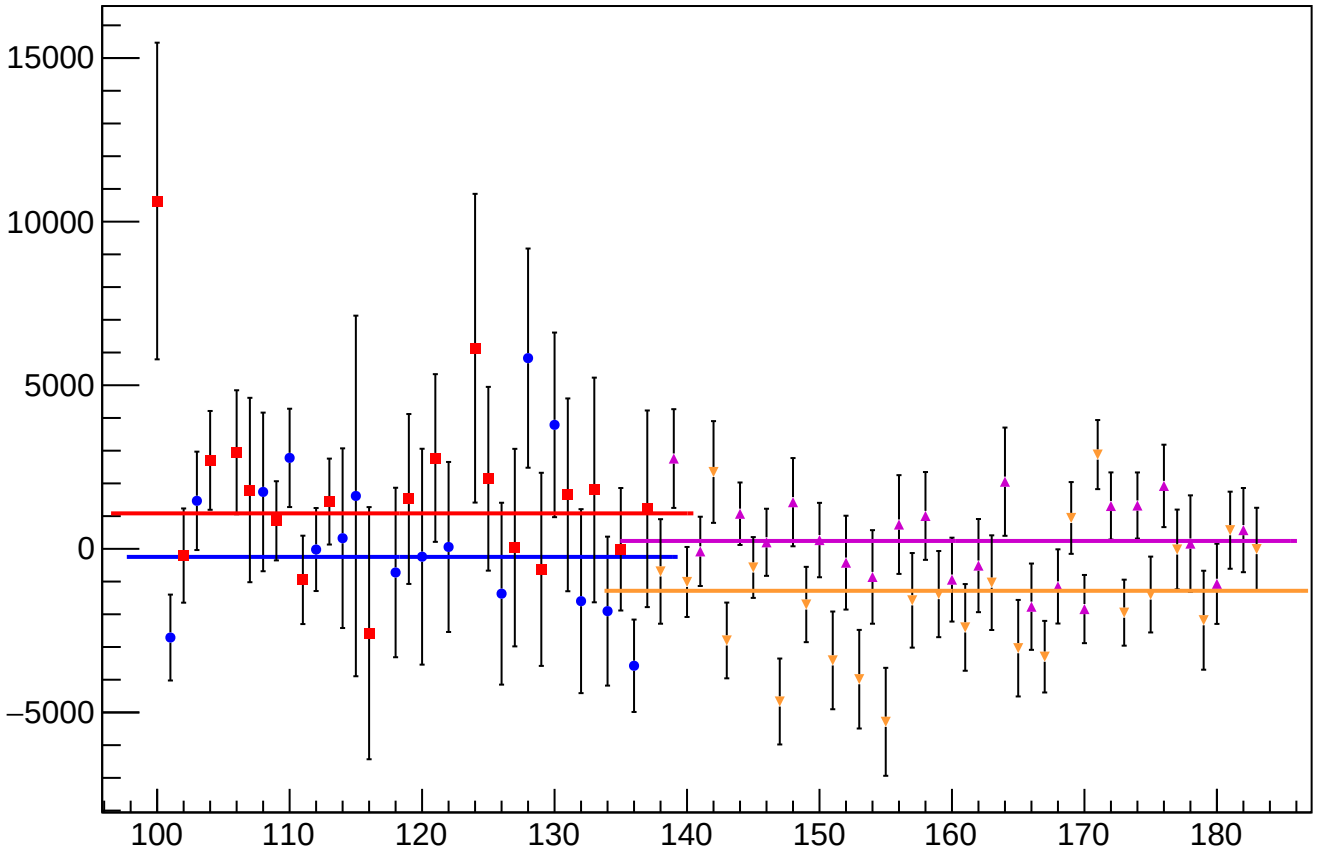
Left: 143.579+/-0.017 χ^2/NDF: 1373210.2/45

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 140.874+/-0.020 χ^2/NDF:1085506.9/37

Out: 140.283+/-0.020 χ^2/NDF:1307066.2/42

All: 140.570+/-0.014 χ^2/NDF: 2393016.9/80



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1282.490+/-254.121 χ^2/NDF:56.5/23

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 241.043+/-260.813 χ^2/NDF:21.0/21

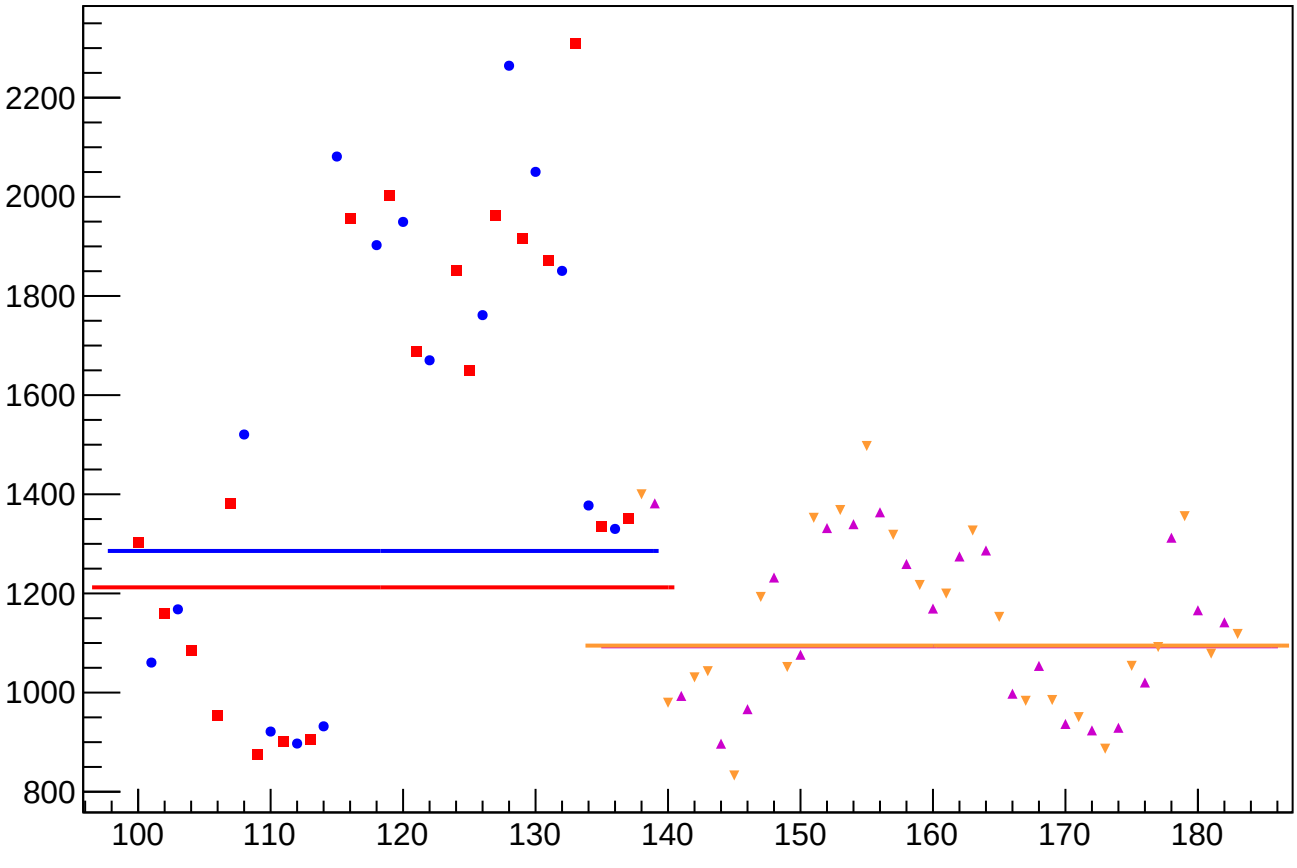
Left: -540.520+/-182.011 χ^2/NDF: 95.0/45

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 137.239+/-231.384 χ^2/NDF:43.4/37

Out: -745.953+/-223.466 χ^2/NDF:88.9/42

All: -319.726+/-160.740 χ^2/NDF: 139.9/80



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1094.766+/-0.180 χ^2/NDF:879397.9/23

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1093.311+/-0.184 χ^2/NDF:730202.6/21

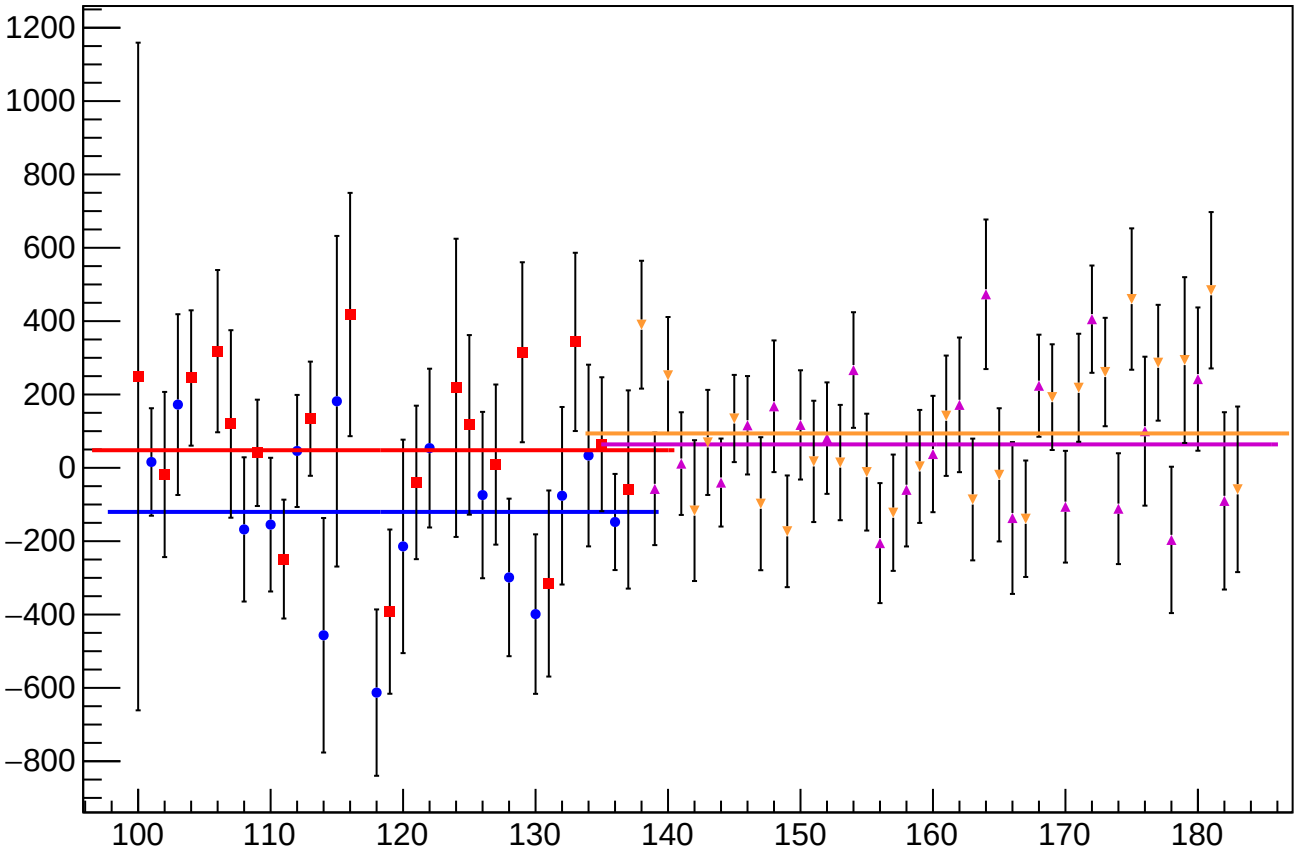
Left: 1094.058+/-0.129 χ^2/NDF: 1609632.4/45

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1134.275+/-0.164 χ^2/NDF:2132308.0/37

Out: 1121.407+/-0.158 χ^2/NDF:2376988.1/42

All: 1127.617+/-0.114 χ^2/NDF: 4512496.6/80



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 93.785+/-33.288 χ^2/NDF:28.5/23

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 63.927+/-34.256 χ^2/NDF:24.8/21

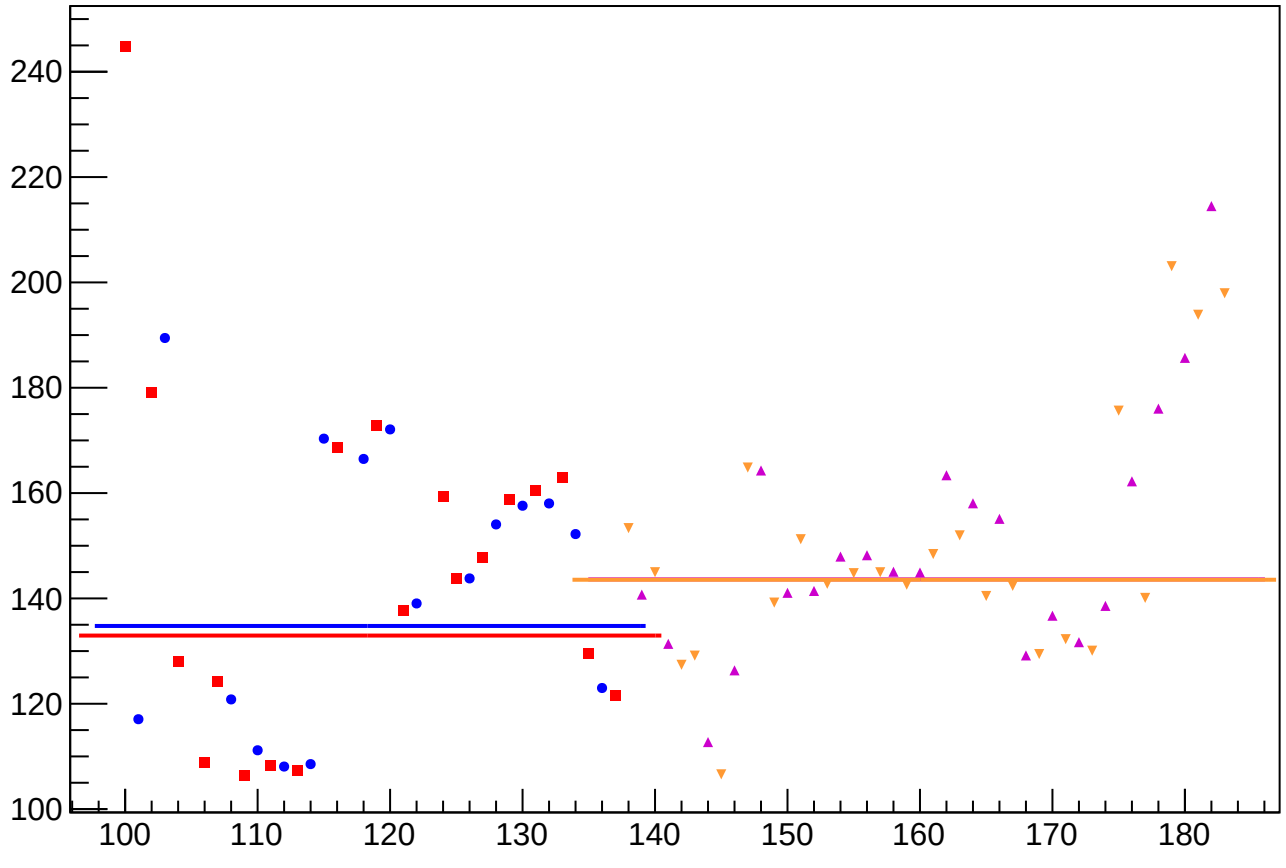
Left: 79.284+/-23.873 χ^2/NDF: 53.7/45

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 6.852+/-28.455 χ^2/NDF:47.2/37

Out: 79.696+/-27.695 χ^2/NDF:46.0/42

All: 44.259+/-19.846 χ^2/NDF: 96.6/80



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 143.545+/-0.024 χ^2/NDF:745821.5/23

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: 143.579+/-0.017 χ^2/NDF: 1373210.2/45

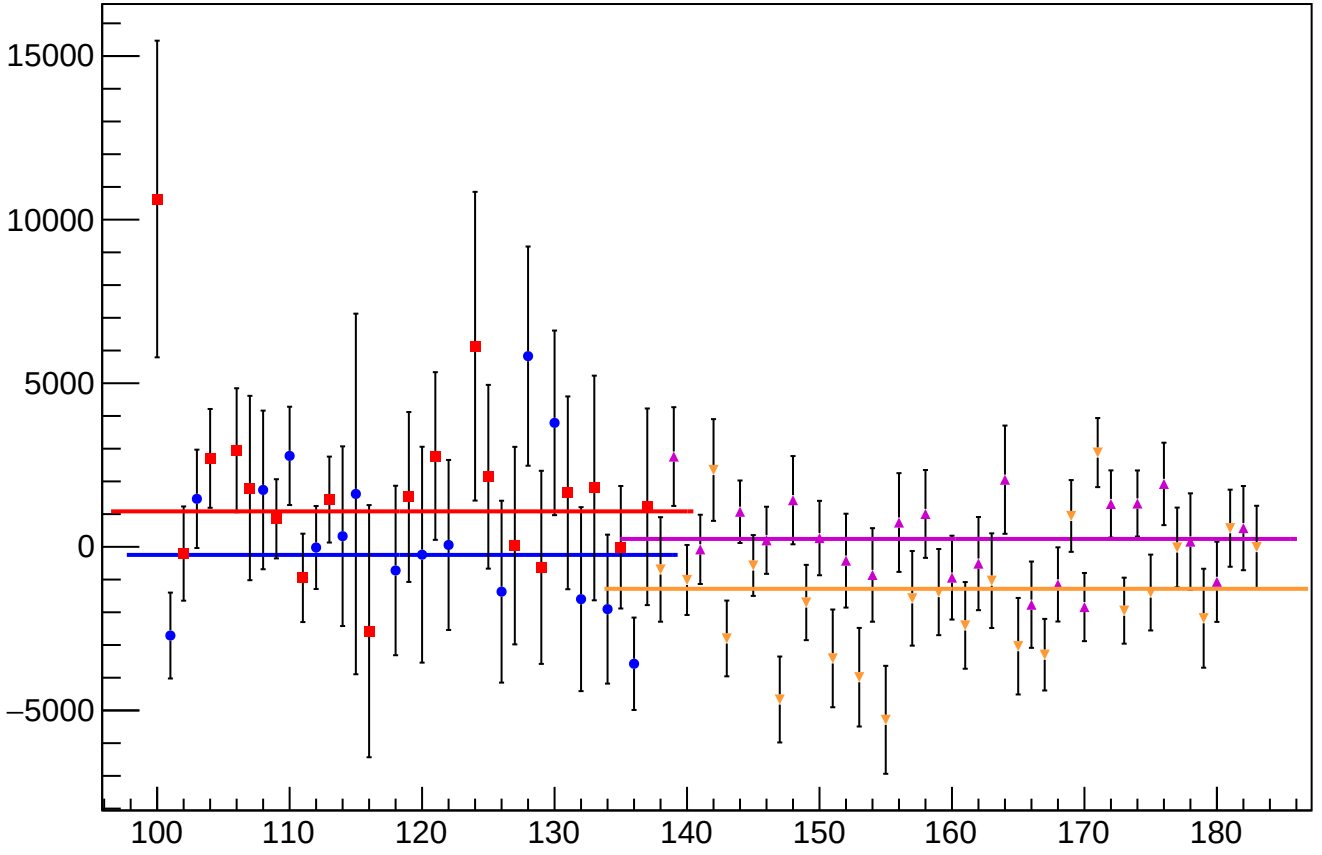
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 140.874+/-0.020 χ^2/NDF:1085506.9/37

Out: 140.283+/-0.020 χ^2/NDF:1307066.2/42

All: 140.570+/-0.014 χ^2/NDF: 2393016.9/80

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: -1282.490+/-254.121 χ^2/NDF:56.5/23

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 241.043+/-260.813 χ^2/NDF:21.0/21

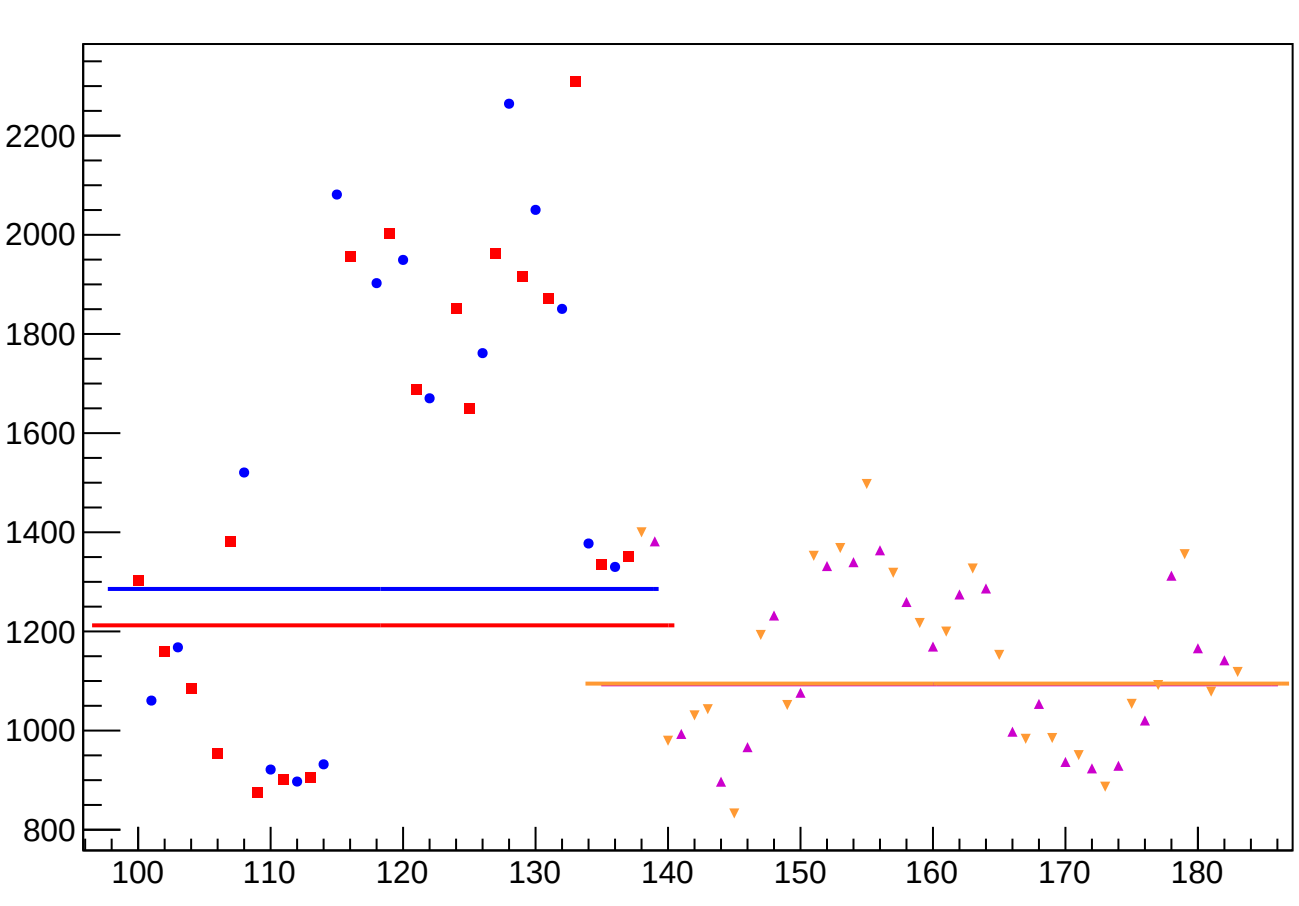
Left: -540.520+/-182.011 χ^2/NDF: 95.0/45

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 137.239+/-231.384 χ^2/NDF:43.4/37

Out: -745.953+/-223.466 χ^2/NDF:88.9/42

All: -319.726+/-160.740 χ^2/NDF: 139.9/80



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1094.766+/-0.180 χ^2/NDF:879397.9/23

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1093.311+/-0.184 χ^2/NDF:730202.6/21

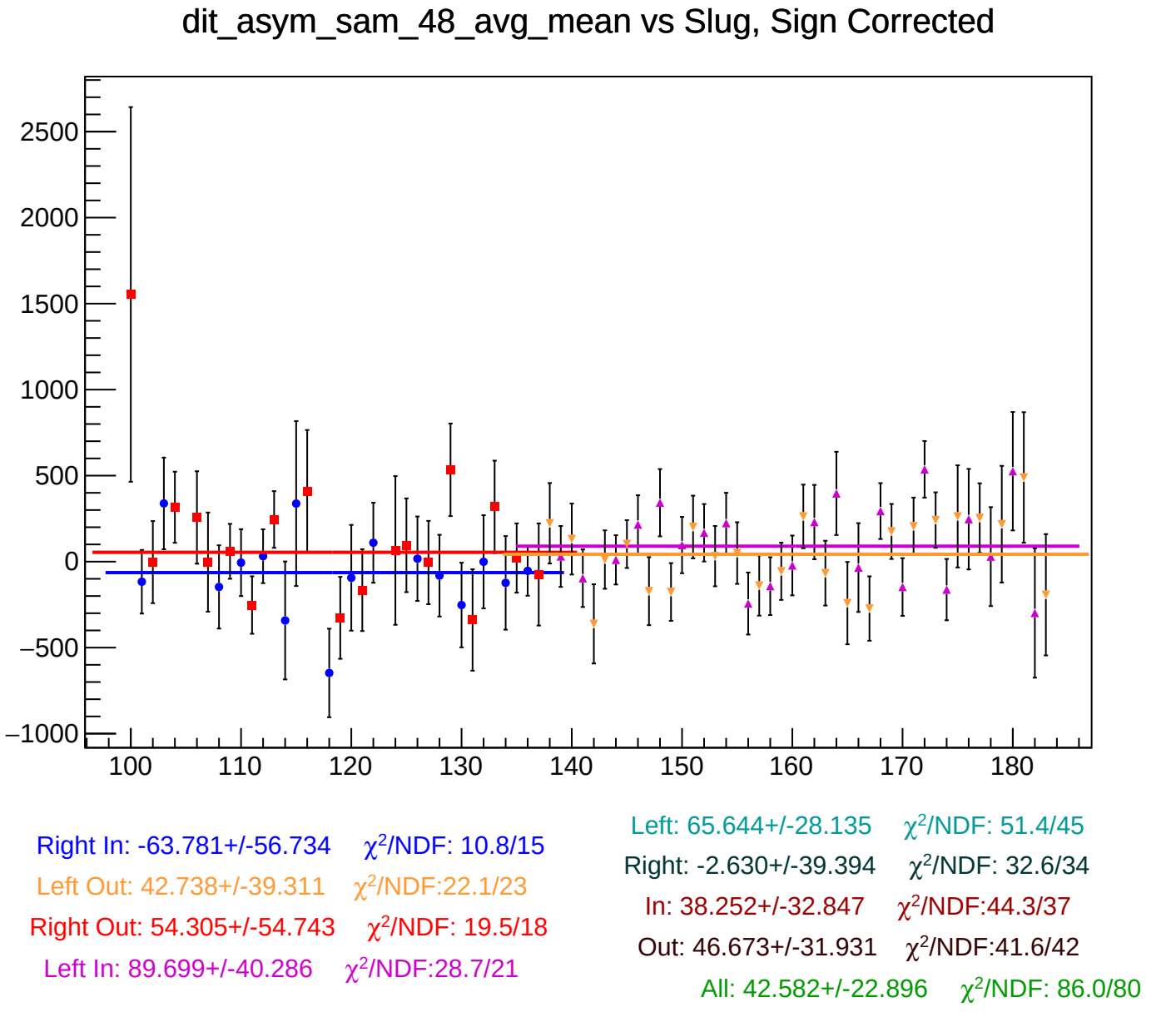
Left: 1094.058+/-0.129 χ^2/NDF: 1609632.4/45

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

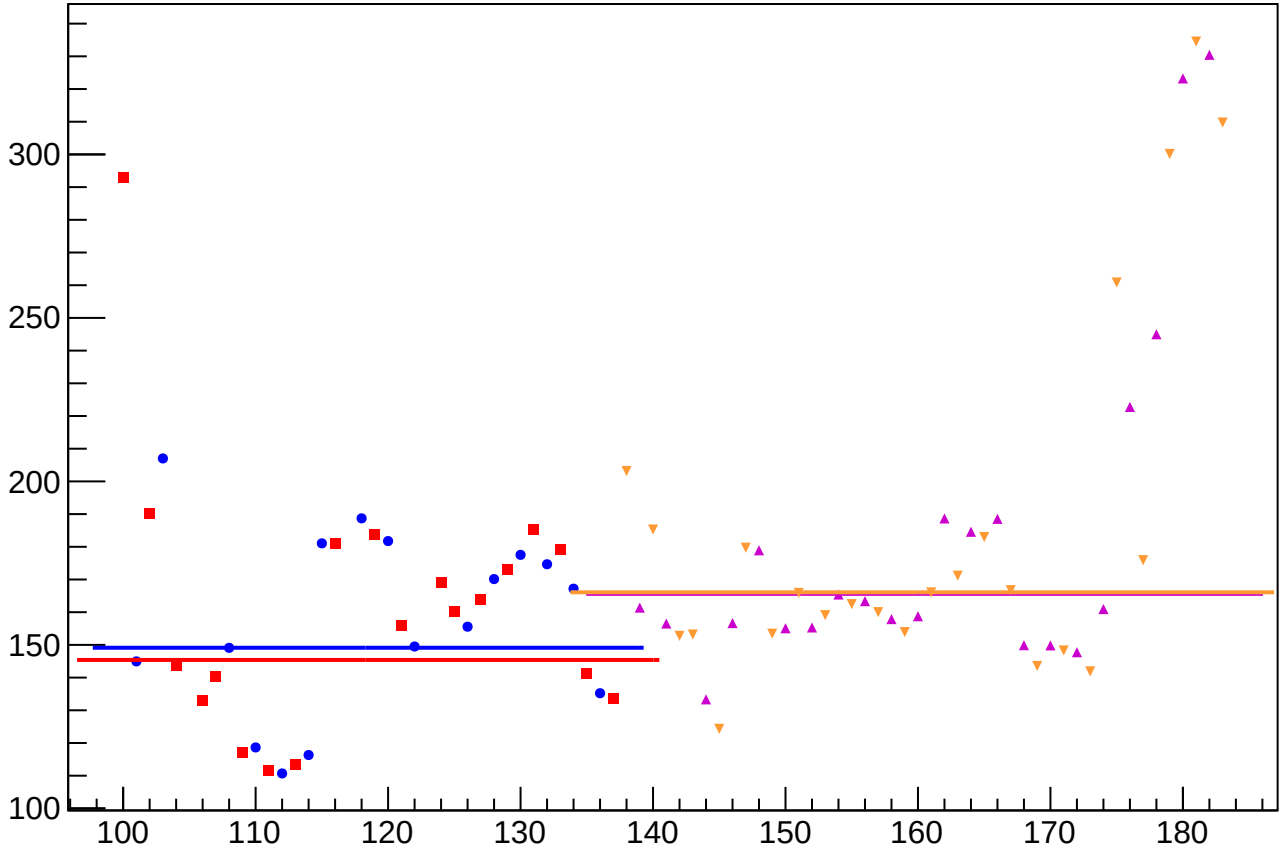
In: 1134.275+/-0.164 χ^2/NDF:2132308.0/37

Out: 1121.407+/-0.158 χ^2/NDF:2376988.1/42

All: 1127.617+/-0.114 χ^2/NDF: 4512496.6/80


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: -63.781+/-56.734 χ²/NDF: 10.8/15
Left Out: 42.738+/-39.311 χ²/NDF:22.1/23
Right Out: 54.305+/-54.743 χ²/NDF: 19.5/18
Left In: 89.699+/-40.286 χ²/NDF:28.7/21
Left: 65.644+/-28.135 χ²/NDF: 51.4/45
Right: -2.630+/-39.394 χ²/NDF: 32.6/34
In: 38.252+/-32.847 χ²/NDF:44.3/37
Out: 46.673+/-31.931 χ²/NDF:41.6/42
All: 42.582+/-22.896 χ²/NDF: 86.0/80

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 166.084+/-0.028 χ^2/NDF:1669595.0/23

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 165.608+/-0.028 χ^2/NDF:1291104.0/21

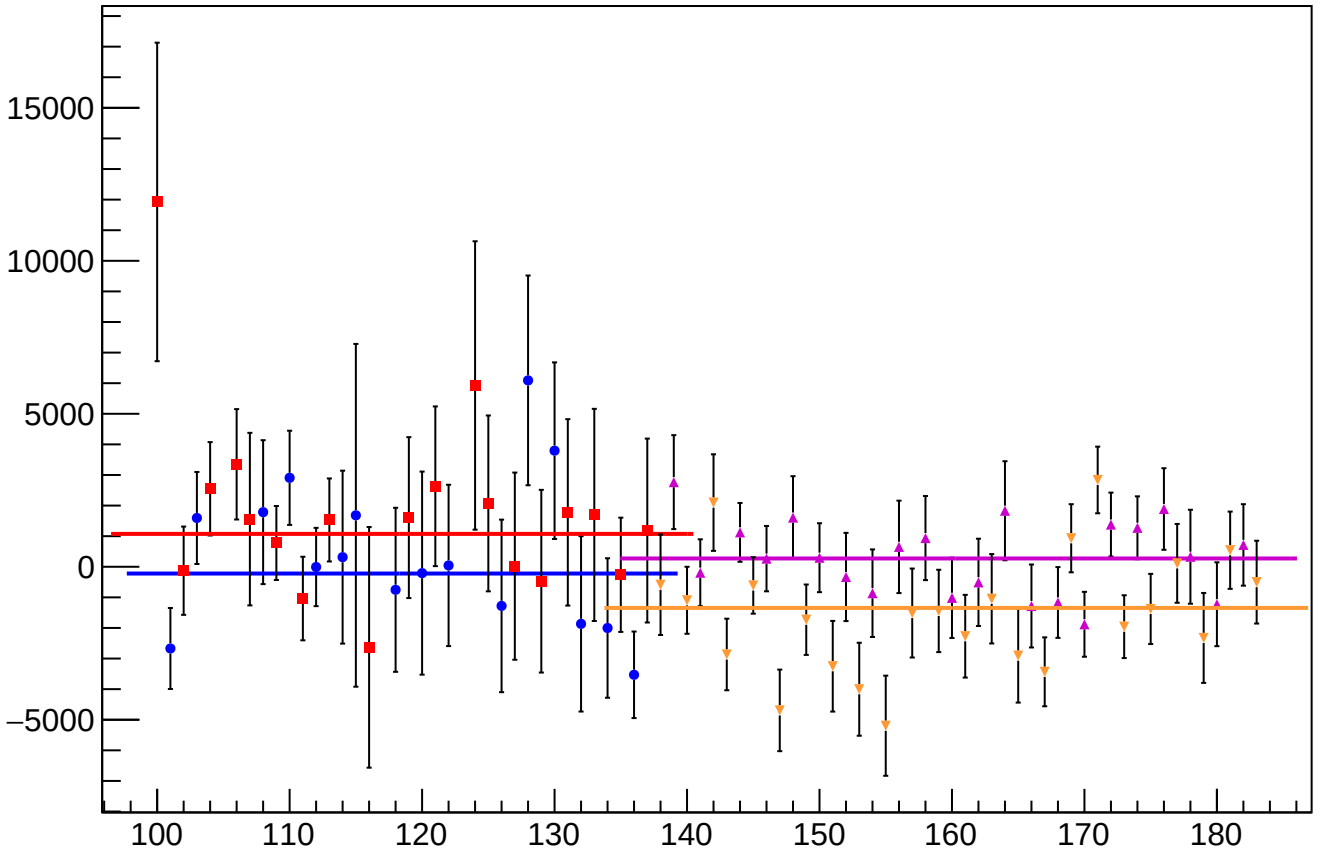
Left: 165.852+/-0.020 χ^2/NDF: 2960841.6/45

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 160.085+/-0.023 χ^2/NDF:1854271.5/37

Out: 159.046+/-0.023 χ^2/NDF:2383810.1/42

All: 159.551+/-0.016 χ^2/NDF: 4239109.6/80



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1344.818+/-258.673 χ^2/NDF:52.6/23

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: -561.082+/-185.626 χ^2/NDF: 91.3/45

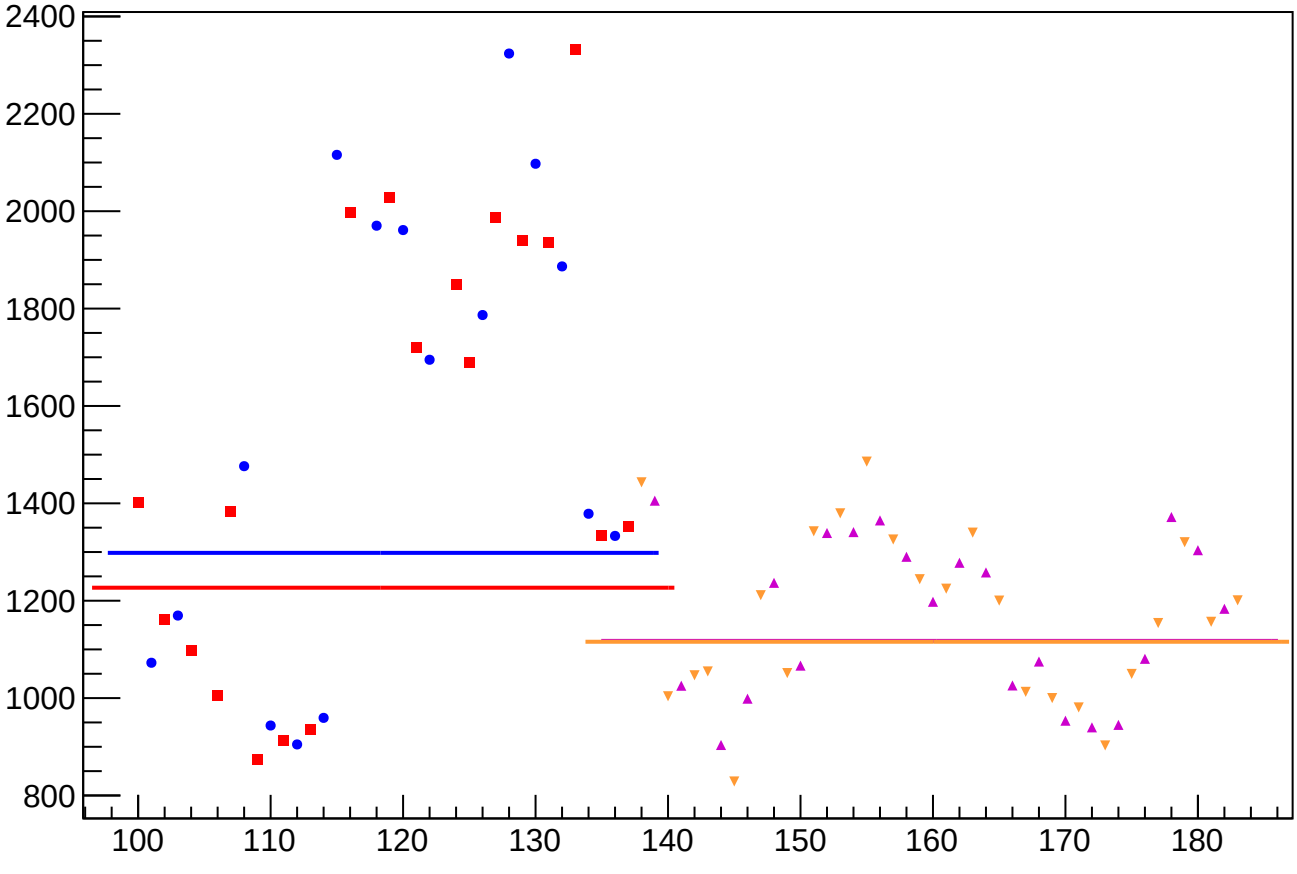
Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 164.153+/-235.838 χ^2/NDF:42.3/37

Out: -787.521+/-226.932 χ^2/NDF:86.4/42

All: -329.992+/-163.523 χ^2/NDF: 137.2/80

asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1115.728+/-0.183 χ^2/NDF:867277.5/23

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1117.485+/-0.188 χ^2/NDF:729176.7/21

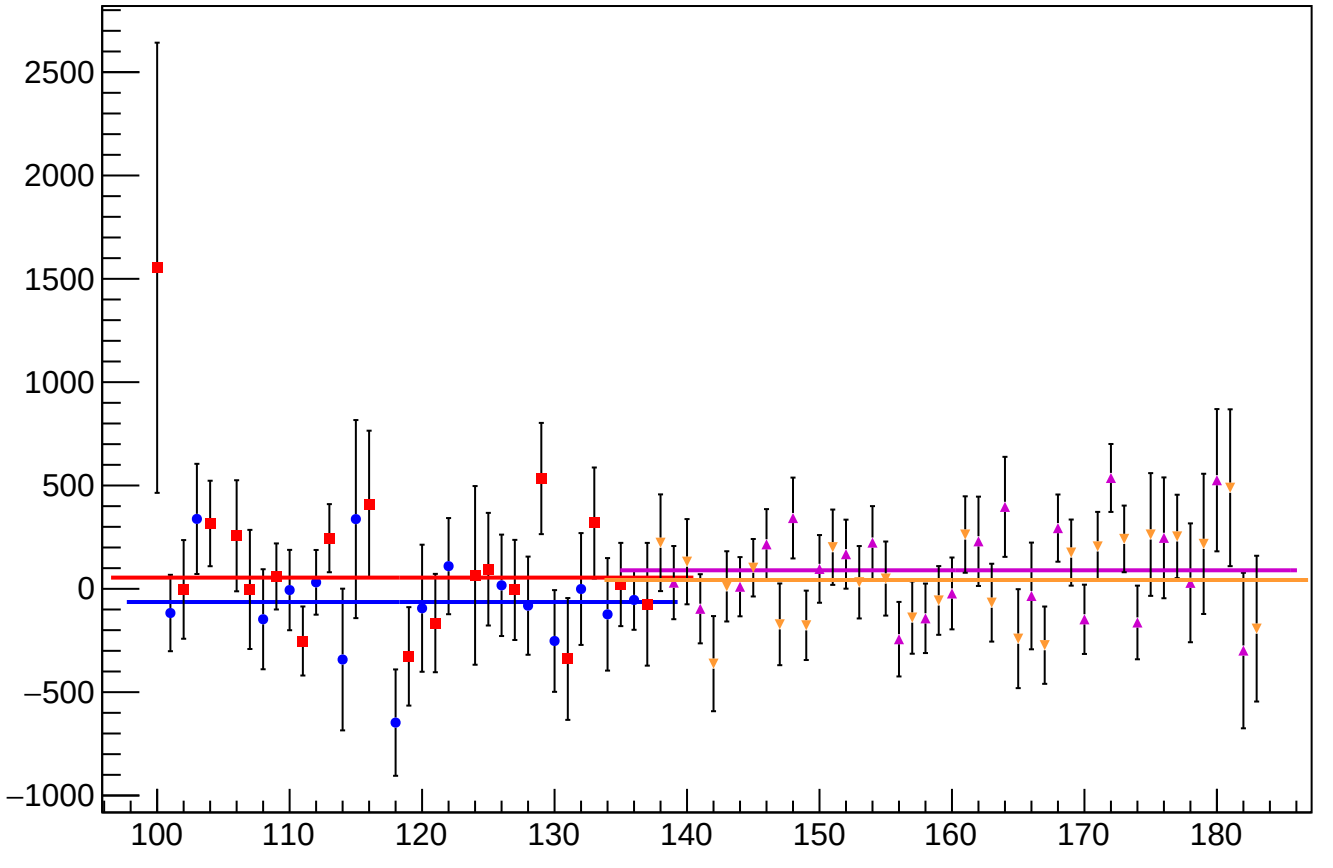
Left: 1116.580+/-0.131 χ^2/NDF: 1596498.9/45

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1156.731+/-0.167 χ^2/NDF:2111077.2/37

Out: 1141.298+/-0.160 χ^2/NDF:2356636.0/42

All: 1148.718+/-0.116 χ^2/NDF: 4472160.5/80



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 42.740+/-39.311 χ^2/NDF:22.1/23

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 89.699+/-40.286 χ^2/NDF:28.7/21

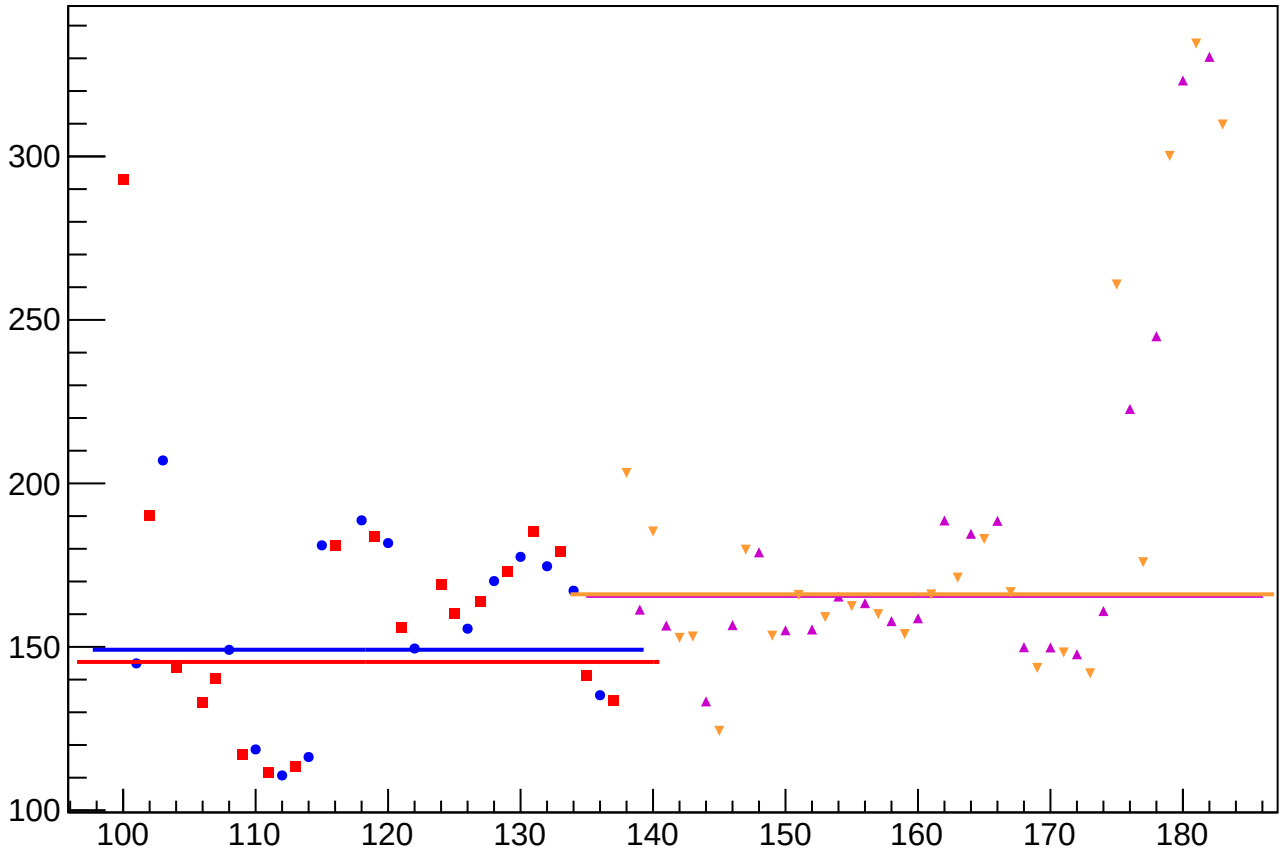
Left: 65.645+/-28.135 χ^2/NDF: 51.4/45

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 38.253+/-32.847 χ^2/NDF:44.3/37

Out: 46.675+/-31.931 χ^2/NDF:41.6/42

All: 42.583+/-22.896 χ^2/NDF: 86.0/80



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 166.084+/-0.028 χ^2/NDF:1669590.9/23

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 165.609+/-0.028 χ^2/NDF:1291083.1/21

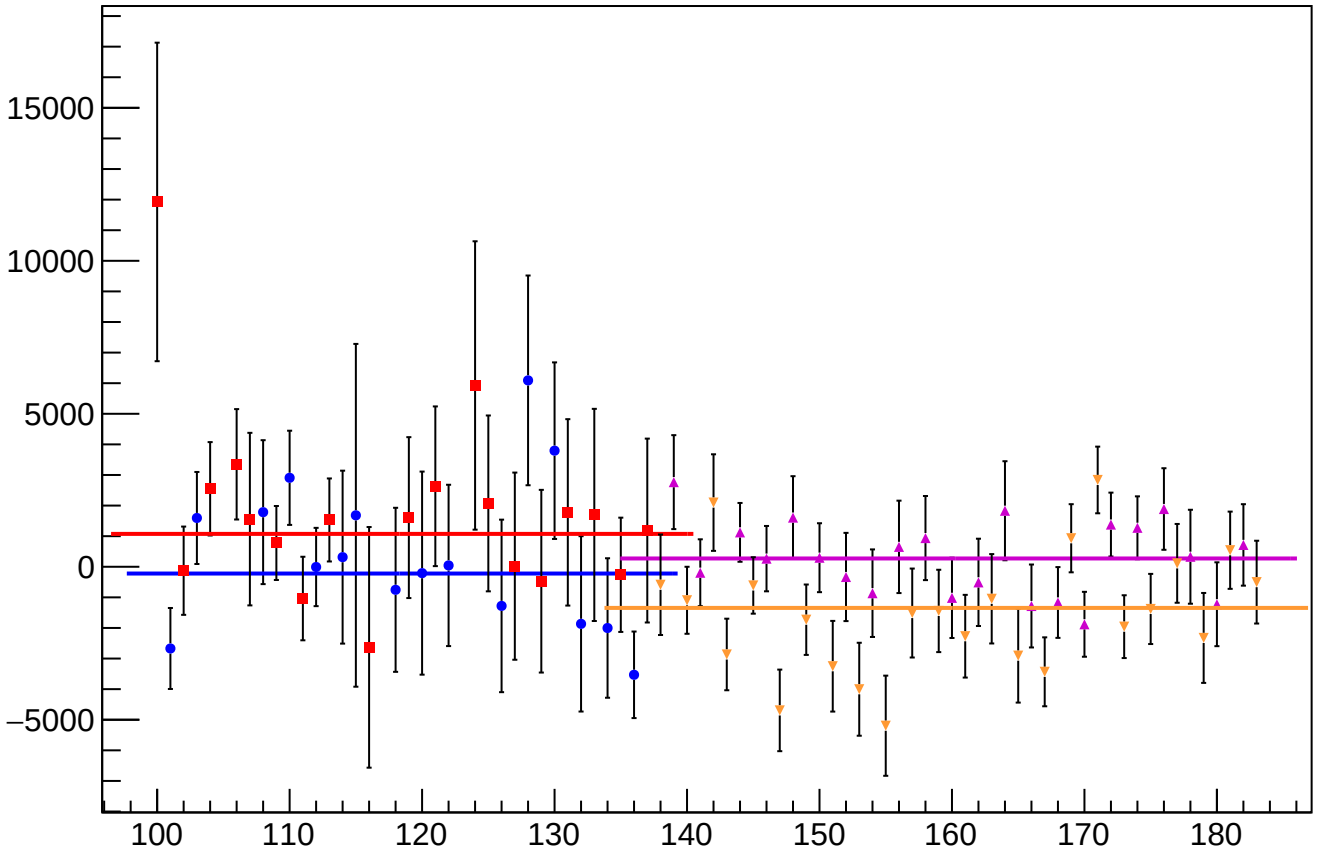
Left: 165.852+/-0.020 χ^2/NDF: 2960816.7/45

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 160.085+/-0.023 χ^2/NDF:1854255.4/37

Out: 159.046+/-0.023 χ^2/NDF:2383813.9/42

All: 159.551+/-0.016 χ^2/NDF: 4239097.3/80



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1344.815+/-258.673 χ^2/NDF:52.6/23

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: -561.081+/-185.625 χ^2/NDF: 91.3/45

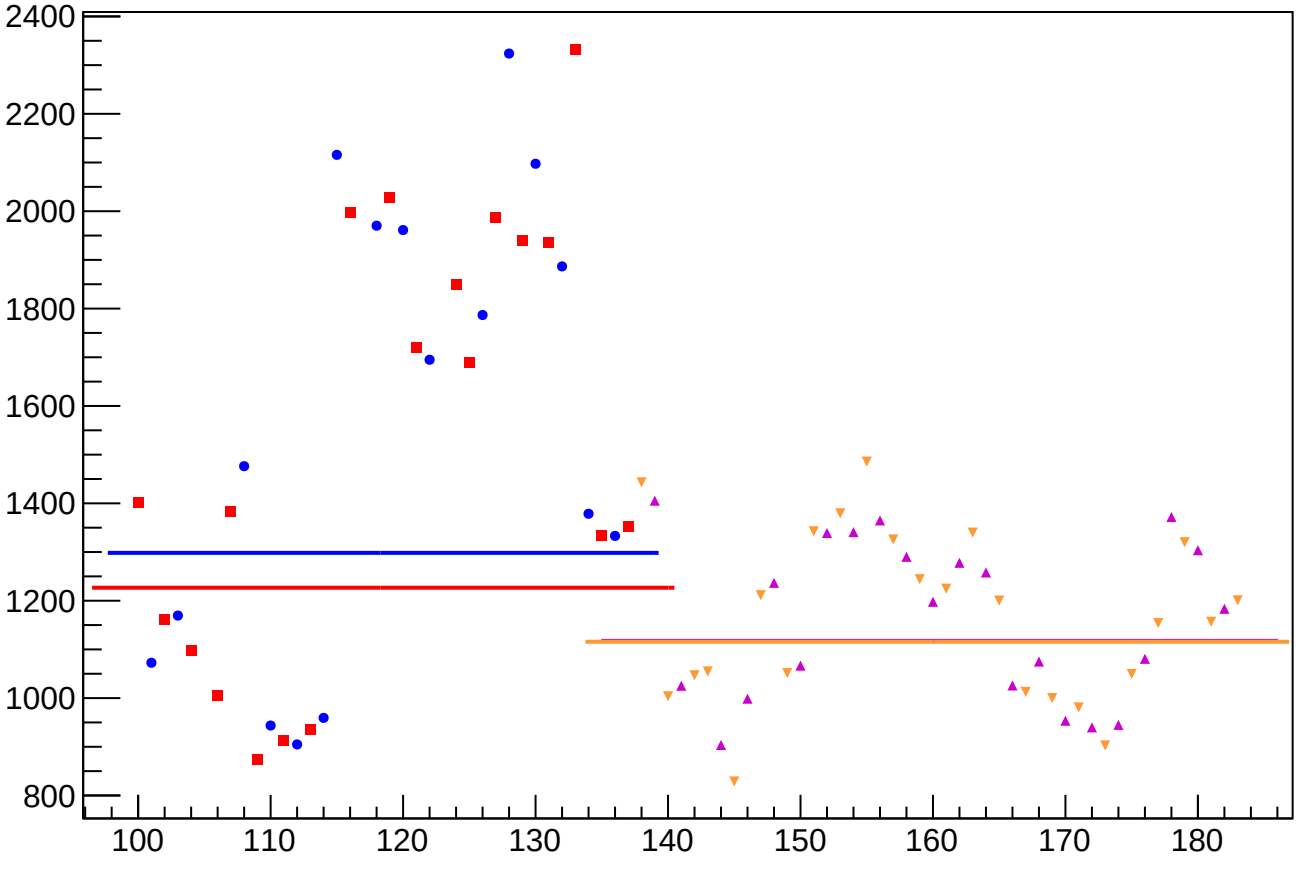
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 164.152+/-235.837 χ^2/NDF:42.3/37

Out: -787.520+/-226.931 χ^2/NDF:86.4/42

All: -329.992+/-163.523 χ^2/NDF: 137.2/80

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: 1115.726+/-0.183 χ^2/NDF:867279.4/23

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1117.483+/-0.188 χ^2/NDF:729175.6/21

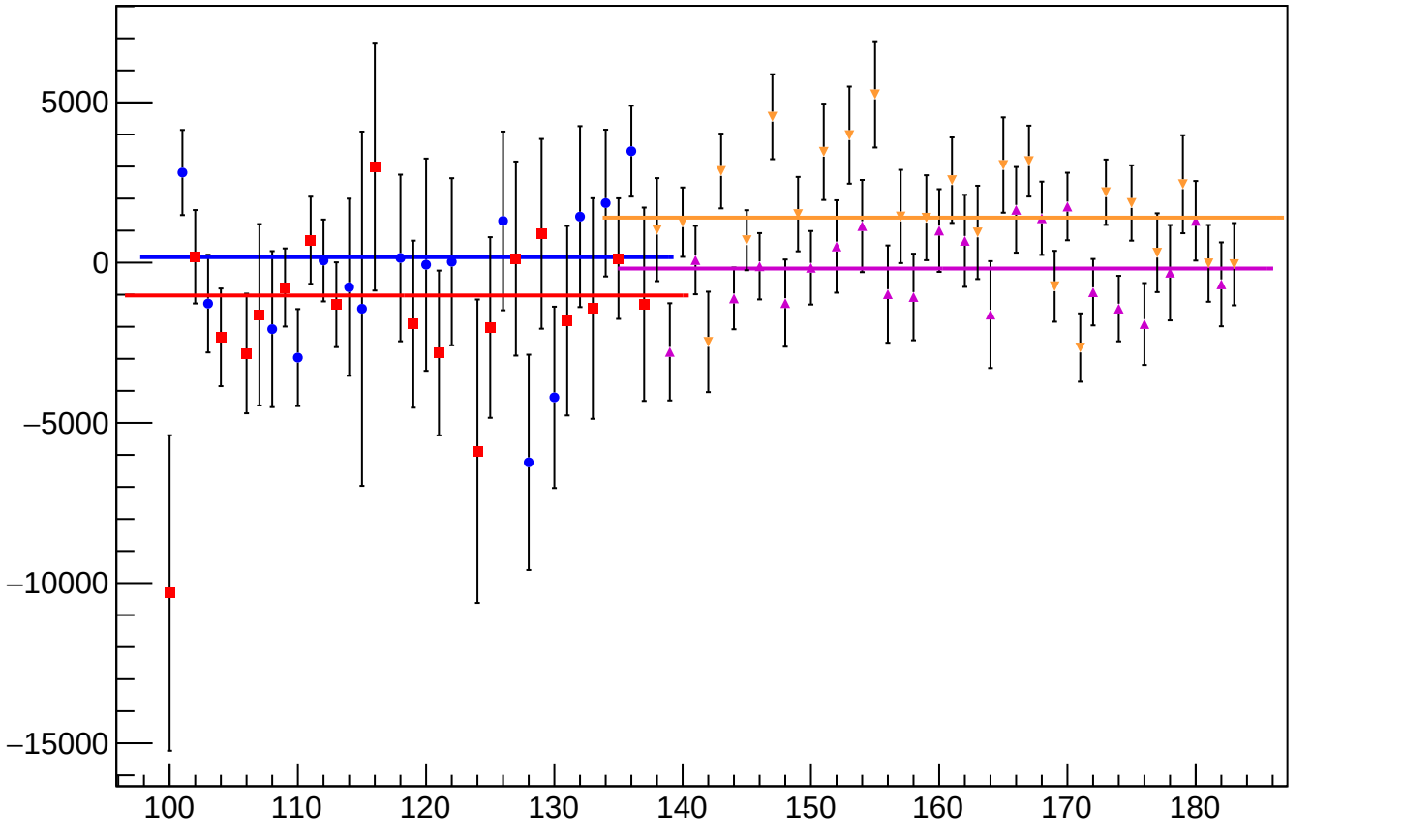
Left: 1116.578+/-0.131 χ^2/NDF: 1596499.7/45

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1156.729+/-0.167 χ^2/NDF:2111081.8/37

Out: 1141.296+/-0.160 χ^2/NDF:2356642.1/42

All: 1148.716+/-0.116 χ^2/NDF: 4472171.2/80



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1404.338+/-256.559 χ^2/NDF:51.7/23

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: 630.830+/-183.749 χ^2/NDF: 91.2/45

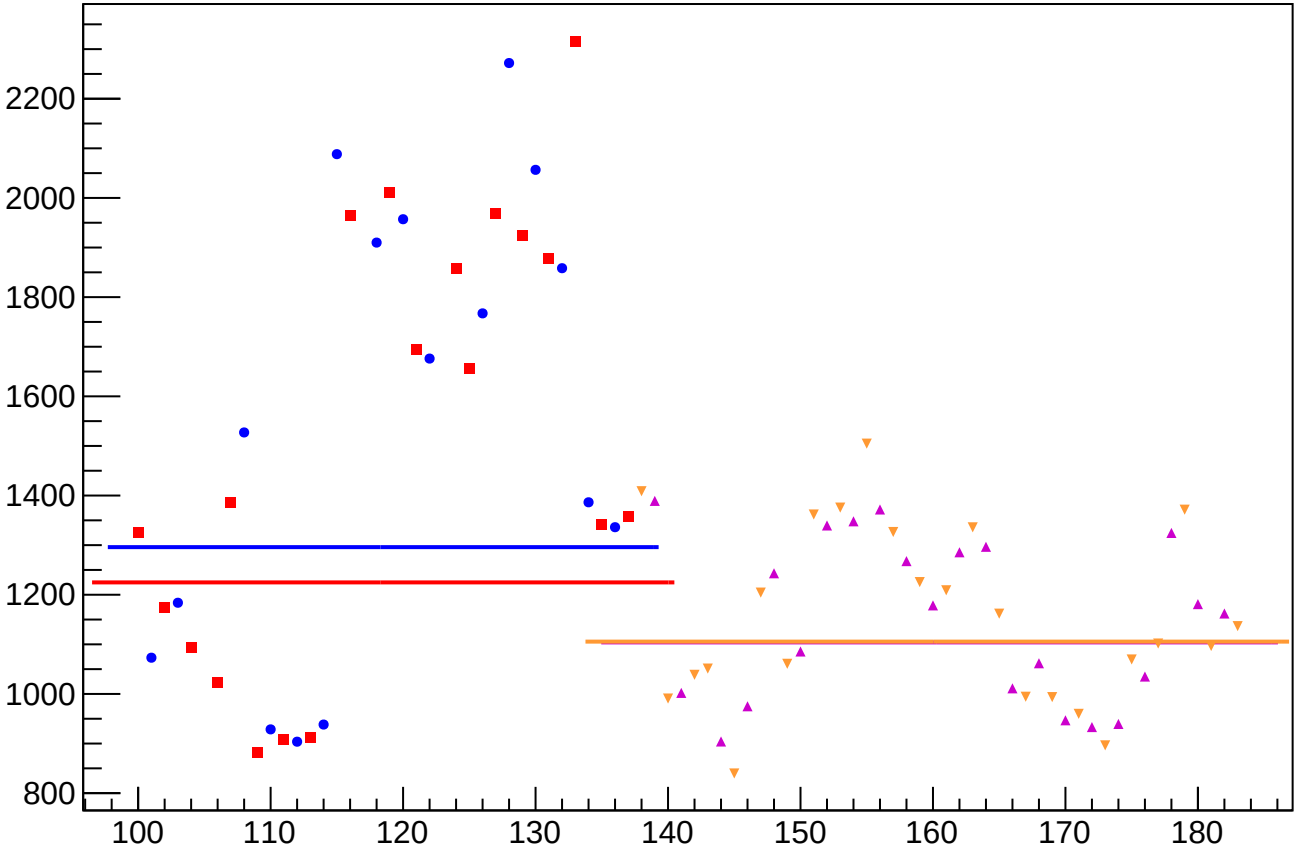
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -108.000+/-233.480 χ^2/NDF:43.8/37

Out: 850.589+/-225.413 χ^2/NDF:83.6/42

All: 388.142+/-162.168 χ^2/NDF: 136.2/80

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1105.497+/-0.181 χ^2/NDF:867558.1/23

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1103.899+/-0.186 χ^2/NDF:719872.4/21

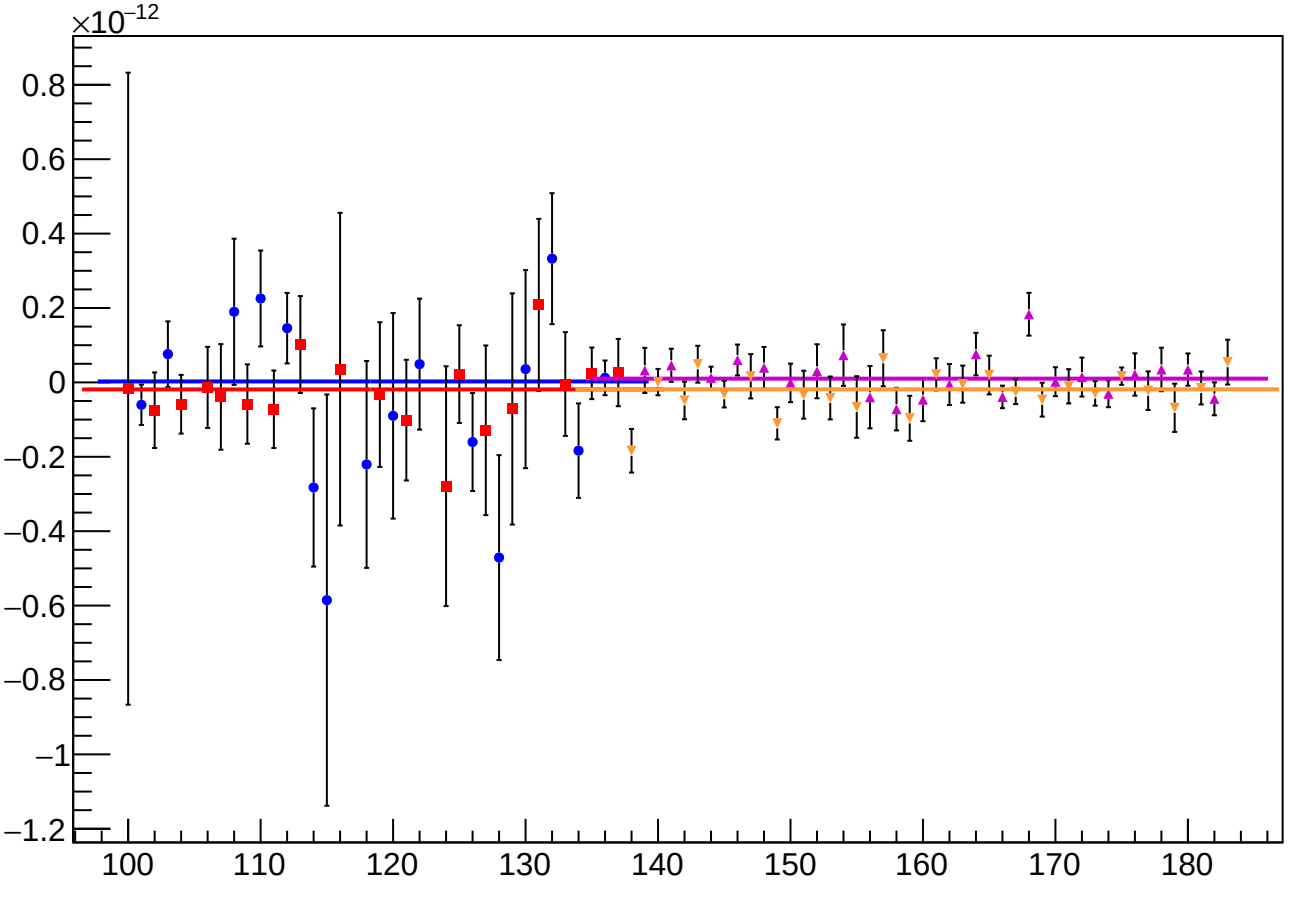
Left: 1104.719+/-0.130 χ^2/NDF: 1587468.3/45

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1144.937+/-0.165 χ^2/NDF:2101480.9/37

Out: 1132.722+/-0.159 χ^2/NDF:2337593.2/42

All: 1138.615+/-0.115 χ^2/NDF: 4441907.3/80



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:23.0/21

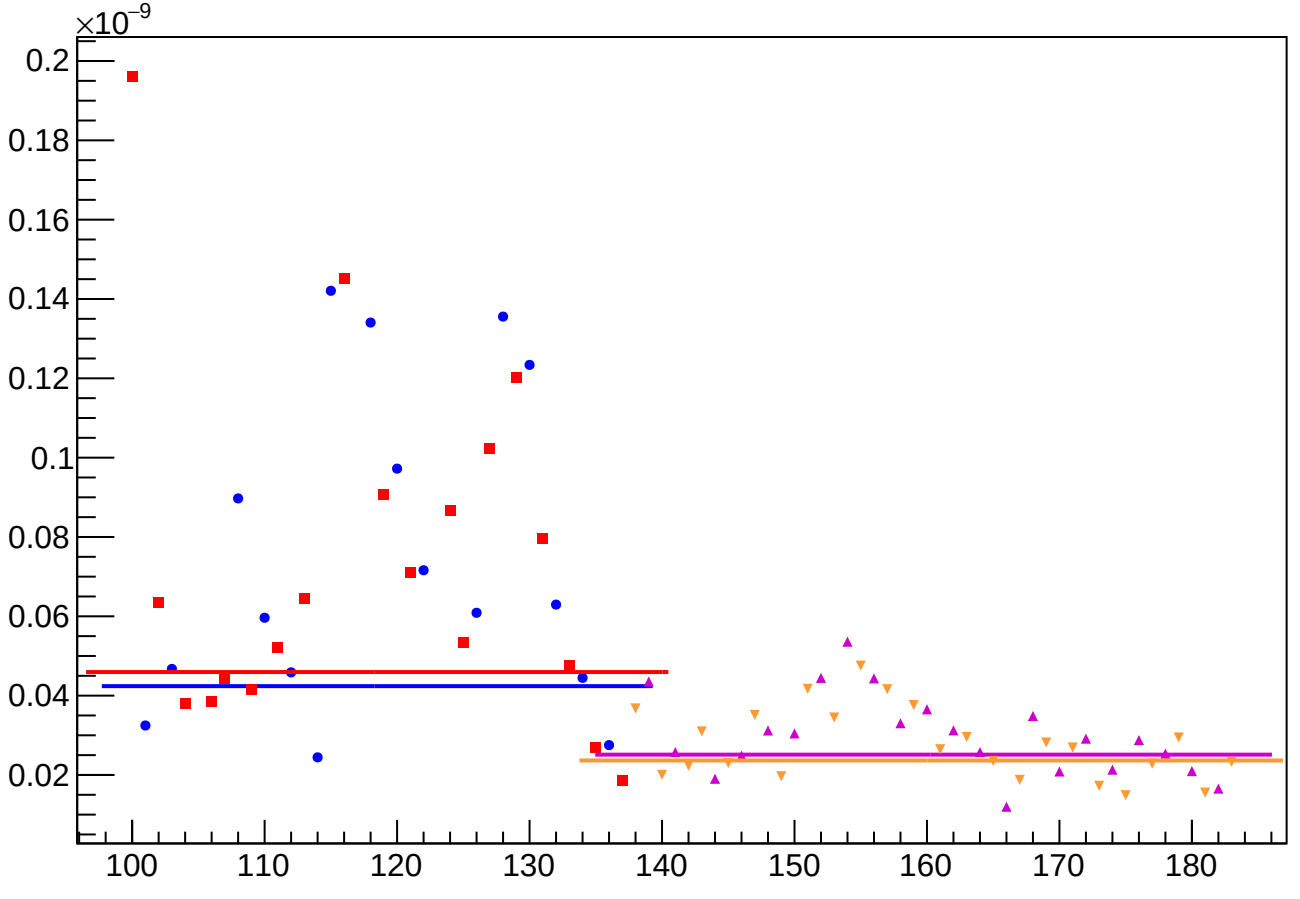
Left: -0.000+/-0.000 χ^2/NDF: 52.7/45

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:30.0/42

All: -0.000+/-0.000 χ^2/NDF: 79.9/80



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1425862.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1532979.0/21

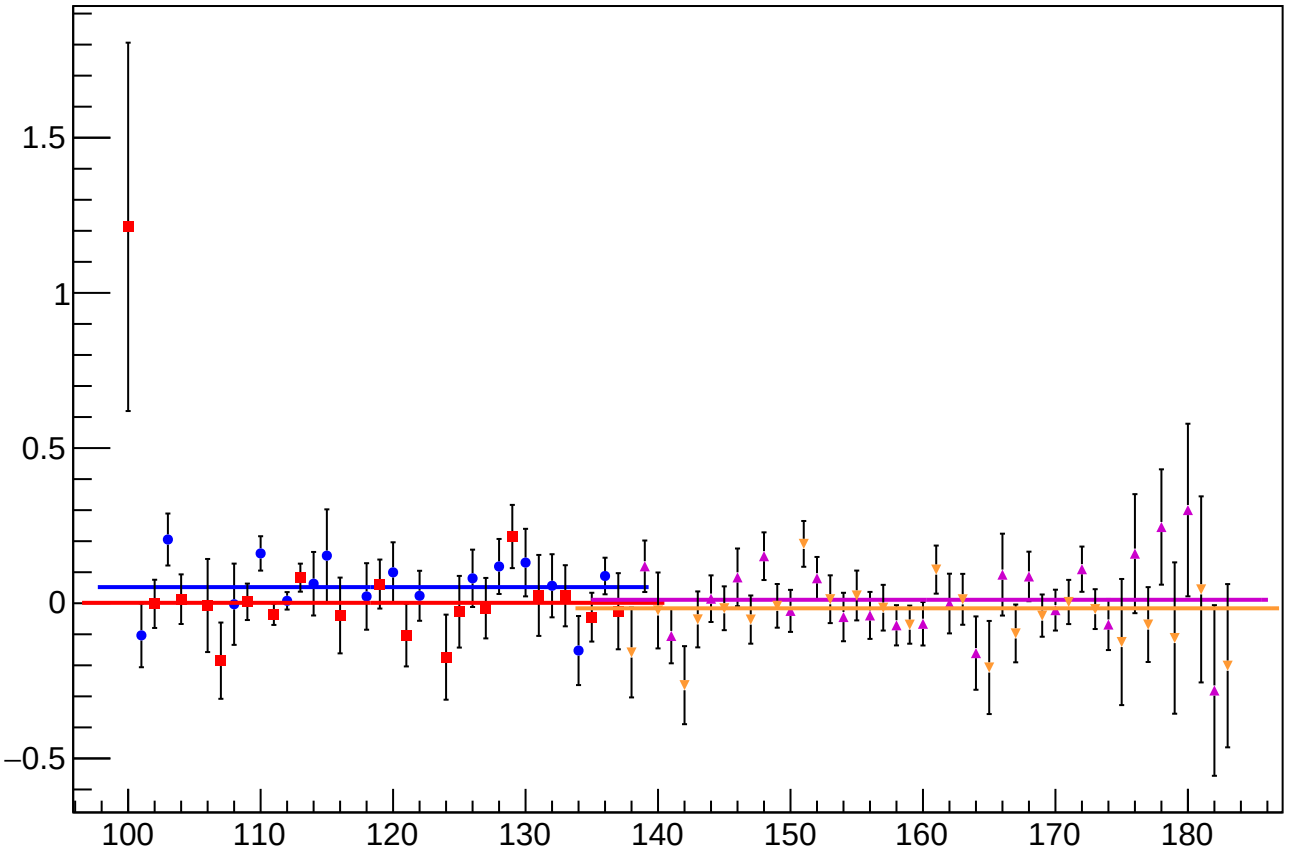
Left: 0.000+/-0.000 χ^2/NDF: 2981816.5/45

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:3627587.8/42

All: 0.000+/-0.000 χ^2/NDF: 7257765.2/80



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.8/23

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.011+/-0.018 χ^2/NDF:23.3/21

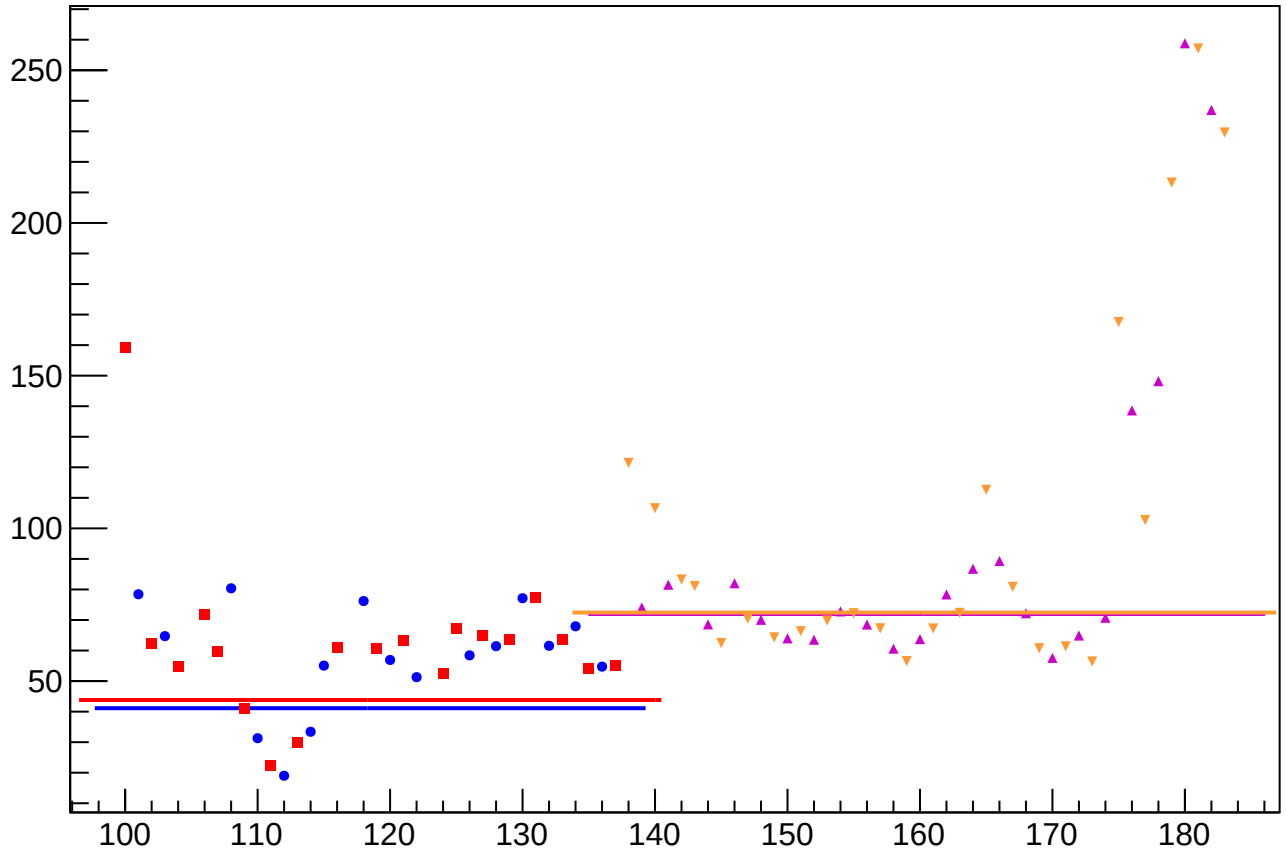
Left: -0.003+/-0.013 χ^2/NDF: 45.2/45

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:40.5/42

All: 0.012+/-0.009 χ^2/NDF: 89.2/80



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 72.448+/-0.013 χ^2/NDF:3752413.8/23

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 71.968+/-0.013 χ^2/NDF:2595948.5/21

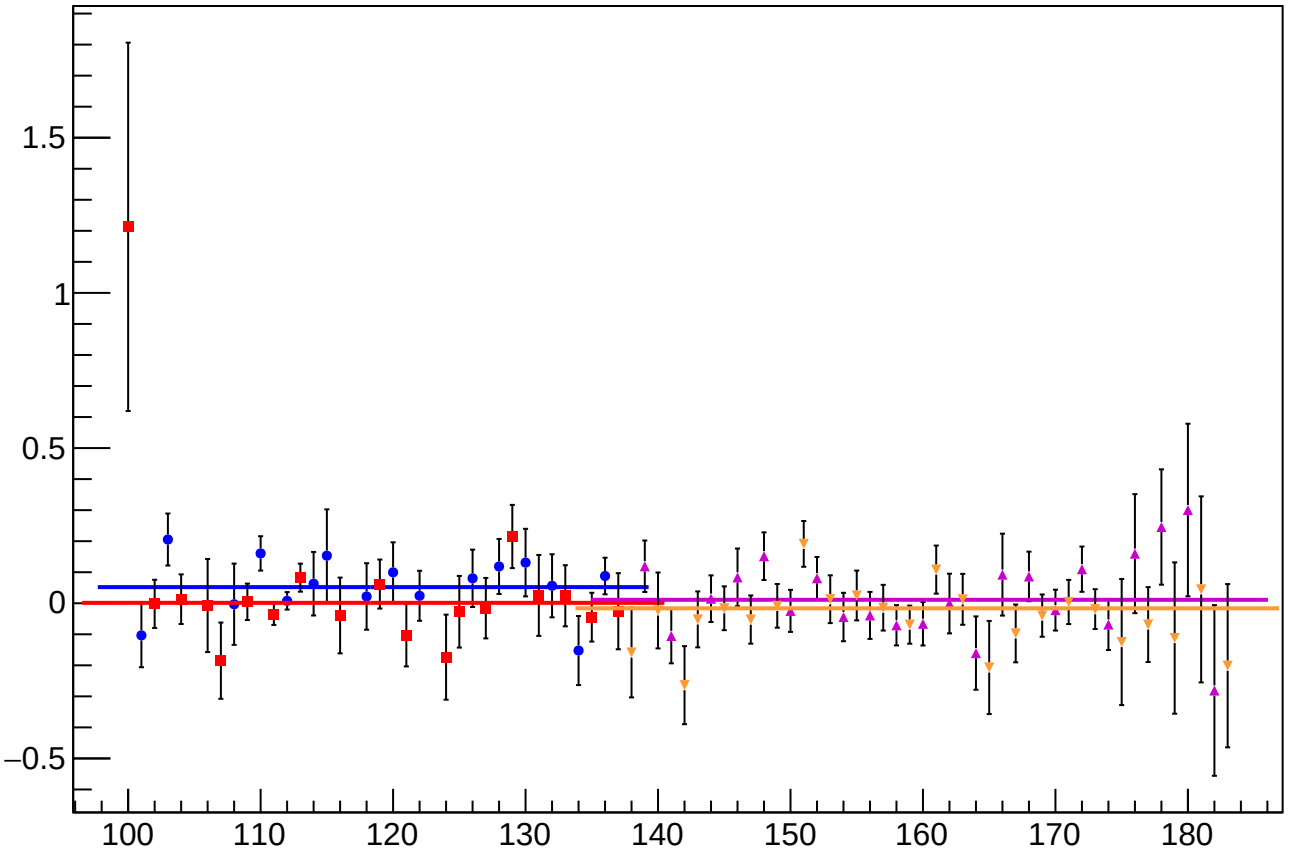
Left: 72.212+/-0.009 χ^2/NDF: 6349063.6/45

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 56.105+/-0.009 χ^2/NDF:8448289.5/37

Out: 58.088+/-0.009 χ^2/NDF:8344509.9/42

All: 57.100+/-0.006 χ^2/NDF: 16817116.0/80



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.8/23

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.011+/-0.018 χ^2/NDF:23.3/21

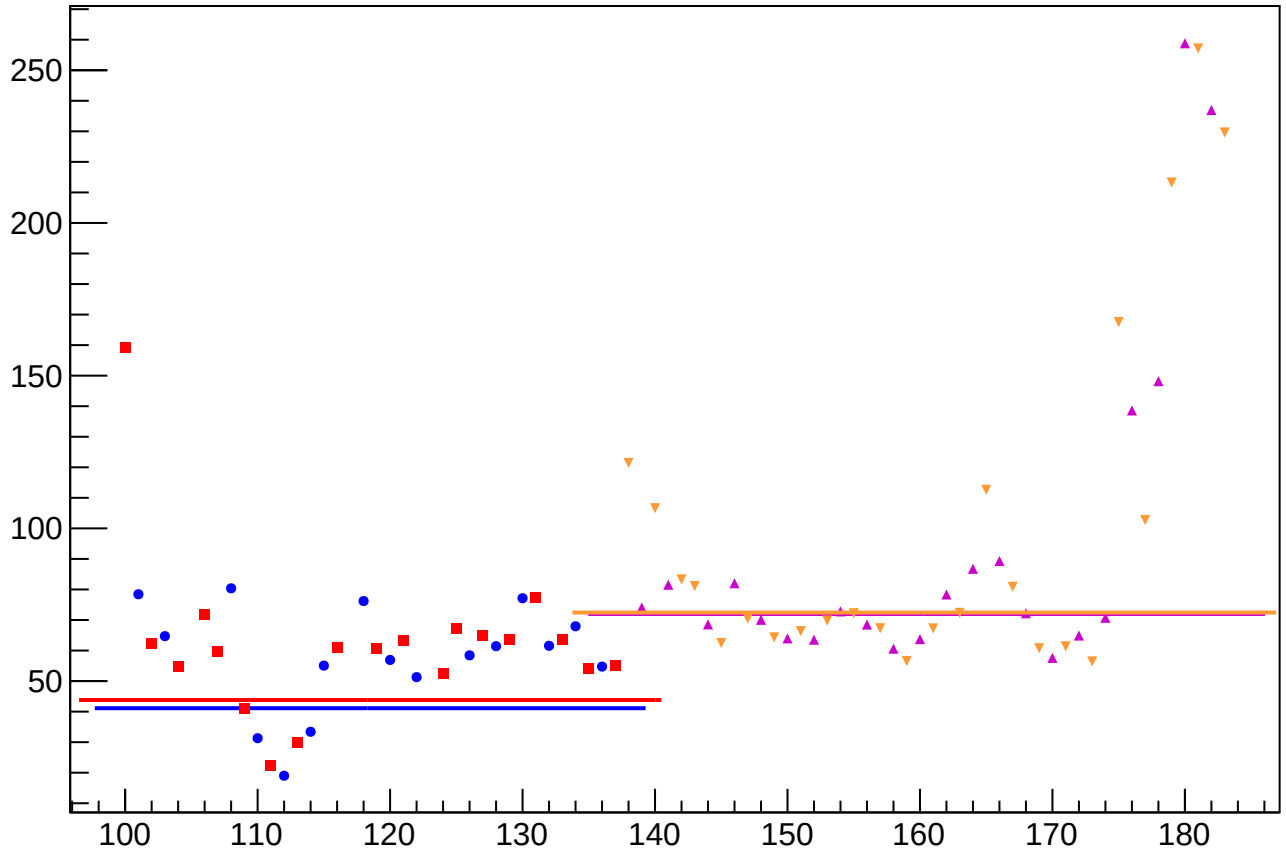
Left: -0.003+/-0.013 χ^2/NDF: 45.2/45

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:40.5/42

All: 0.012+/-0.009 χ^2/NDF: 89.2/80



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 72.448+/-0.013 χ^2/NDF:3752413.8/23

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 71.968+/-0.013 χ^2/NDF:2595948.5/21

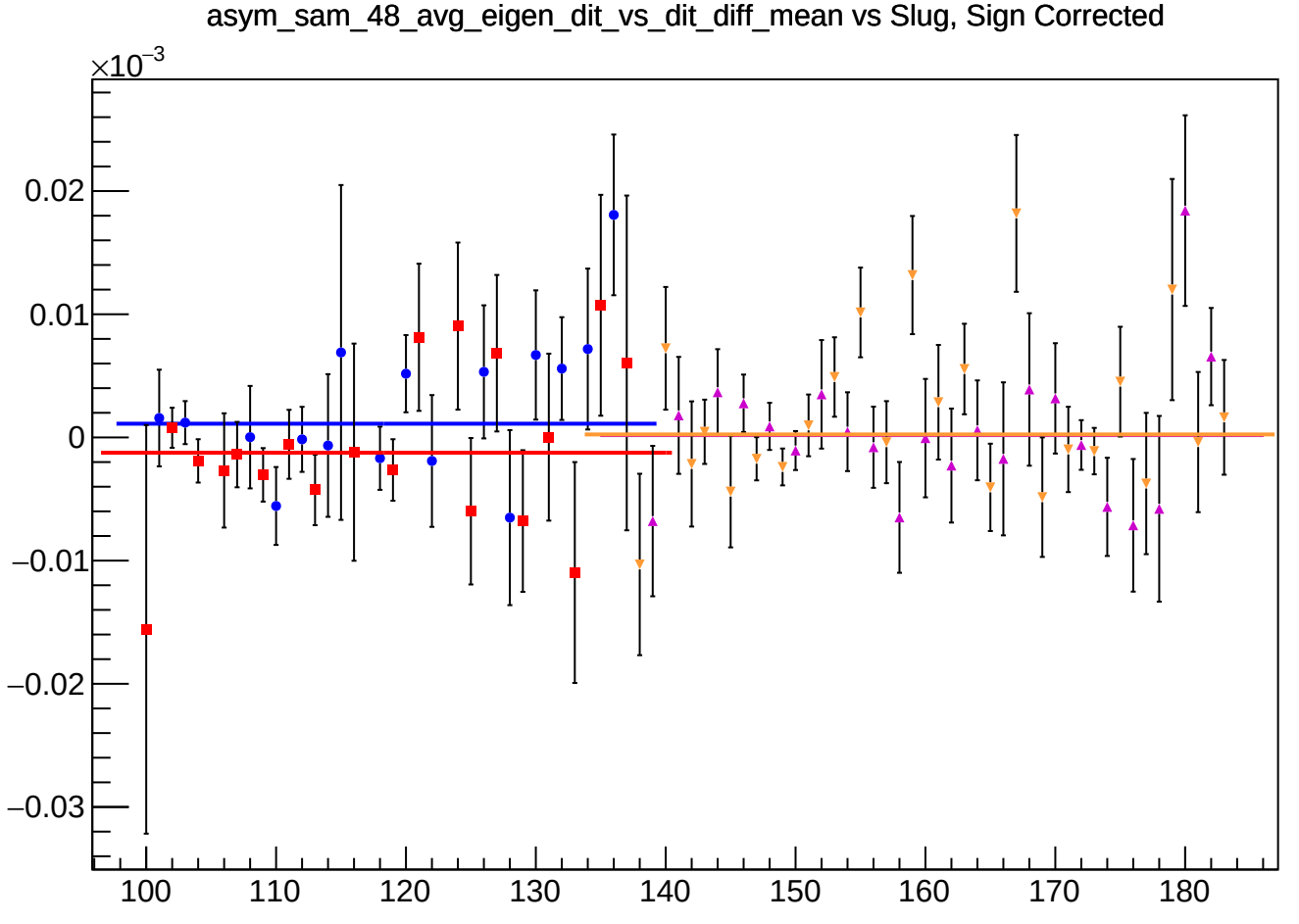
Left: 72.212+/-0.009 χ^2/NDF: 6349063.6/45

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 56.105+/-0.009 χ^2/NDF:8448289.5/37

Out: 58.088+/-0.009 χ^2/NDF:8344509.9/42

All: 57.100+/-0.006 χ^2/NDF: 16817116.0/80



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/23

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: 64.8/45

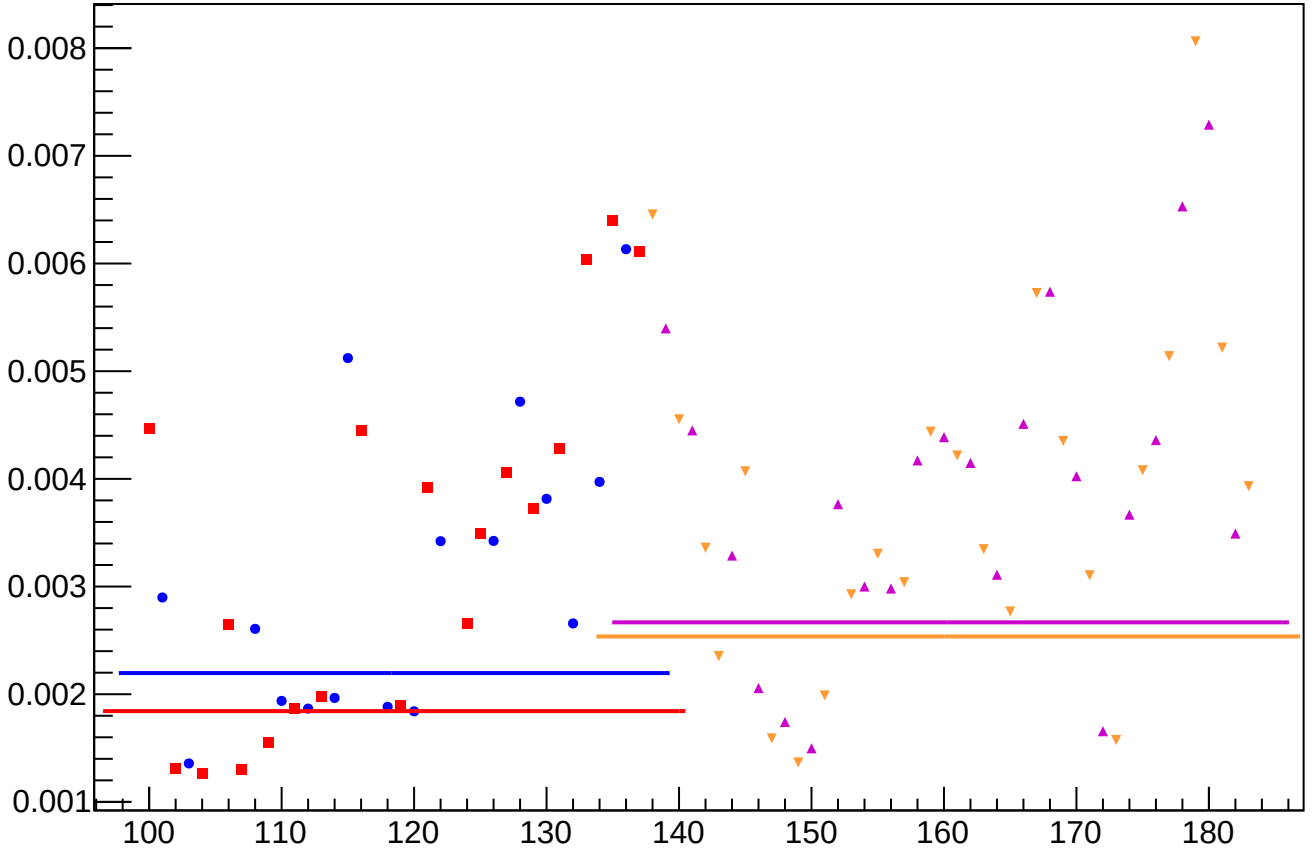
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:41.9/37

Out: -0.000+/-0.000 χ^2/NDF:61.5/42

All: 0.000+/-0.000 χ^2/NDF: 104.9/80

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:7324295.3/23

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:6321577.0/21

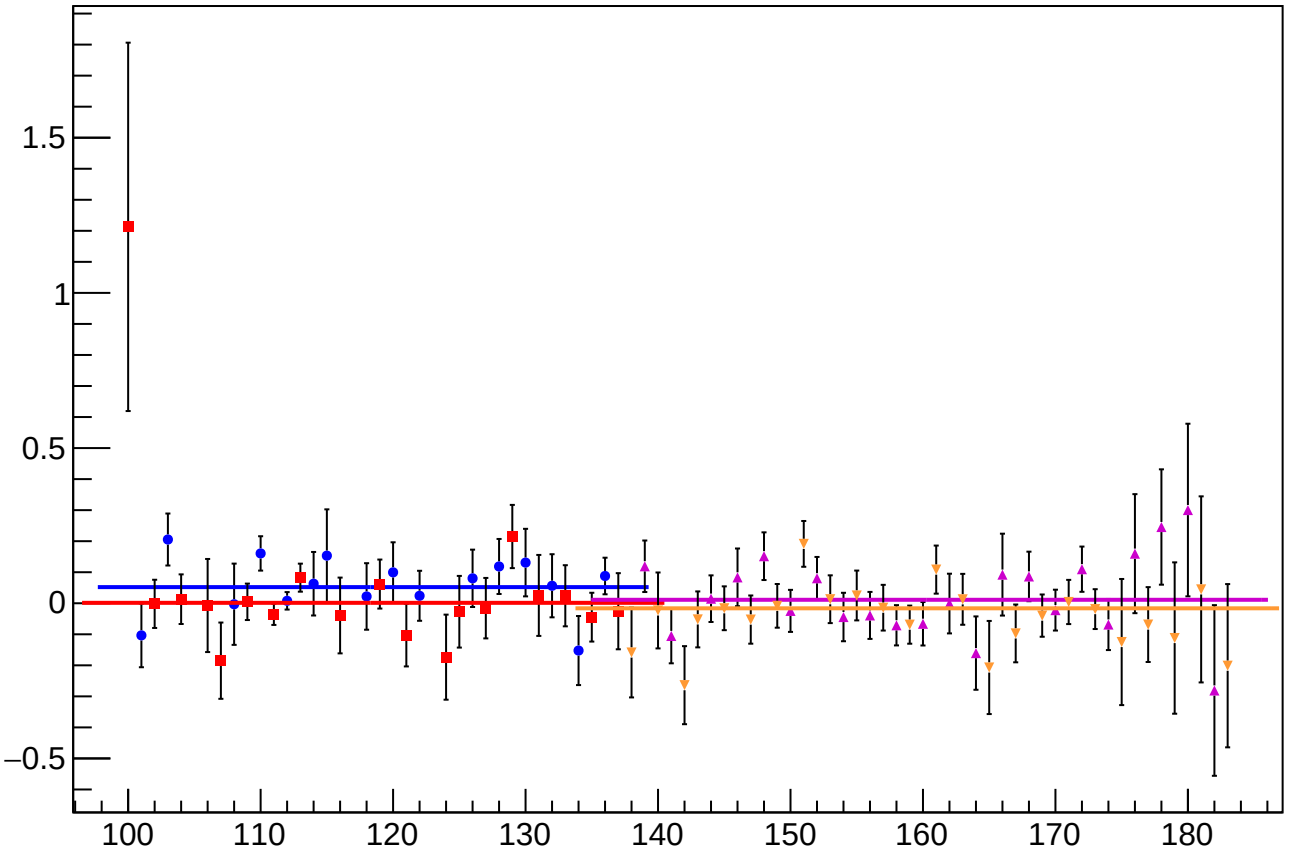
Left: 0.003+/-0.000 χ^2/NDF: 13682748.4/45

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:11411624.6/42

All: 0.002+/-0.000 χ^2/NDF: 20578319.3/80



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.8/23

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.011+/-0.018 χ^2/NDF:23.3/21

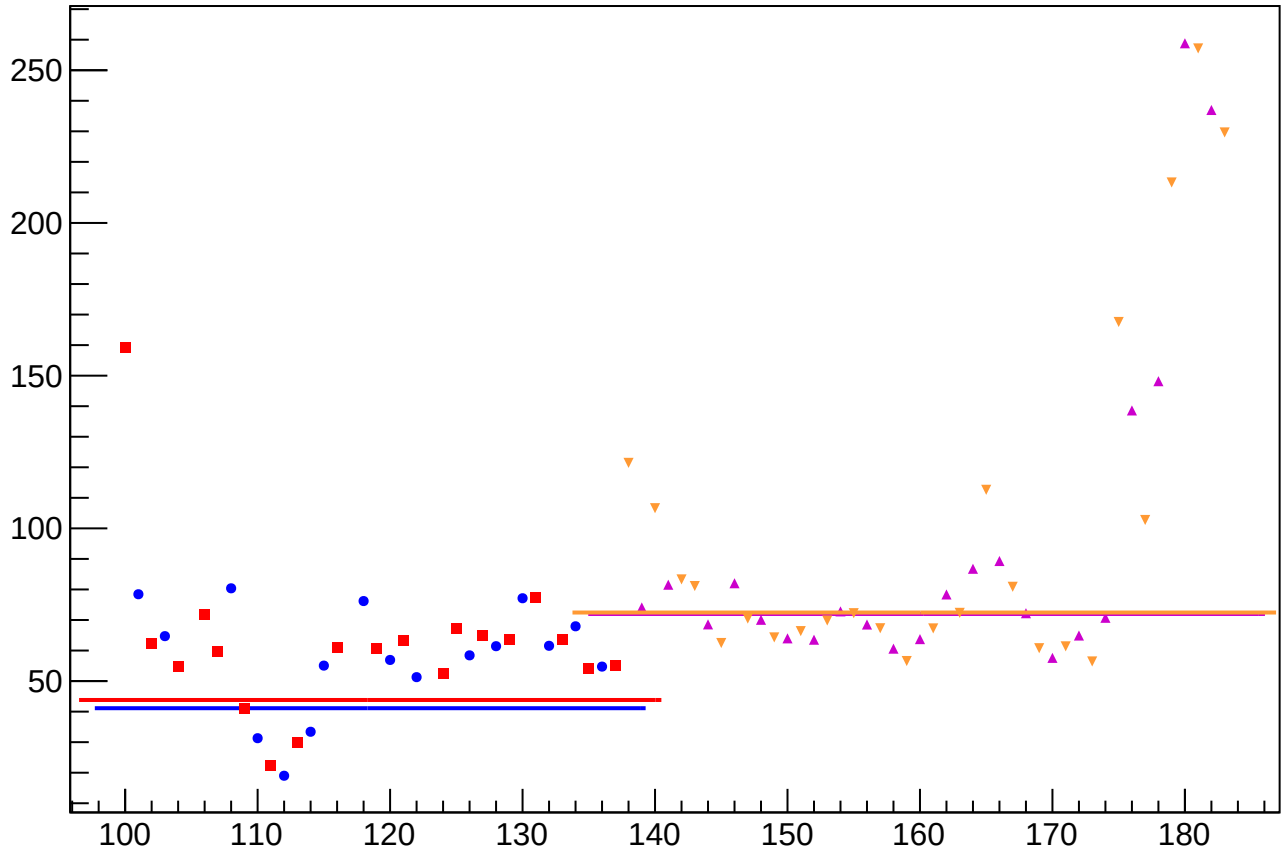
Left: -0.003+/-0.013 χ^2/NDF: 45.2/45

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:40.5/42

All: 0.012+/-0.009 χ^2/NDF: 89.2/80



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 72.449+/-0.013 χ^2/NDF:3752360.8/23

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: 72.213+/-0.009 χ^2/NDF: 6348942.1/45

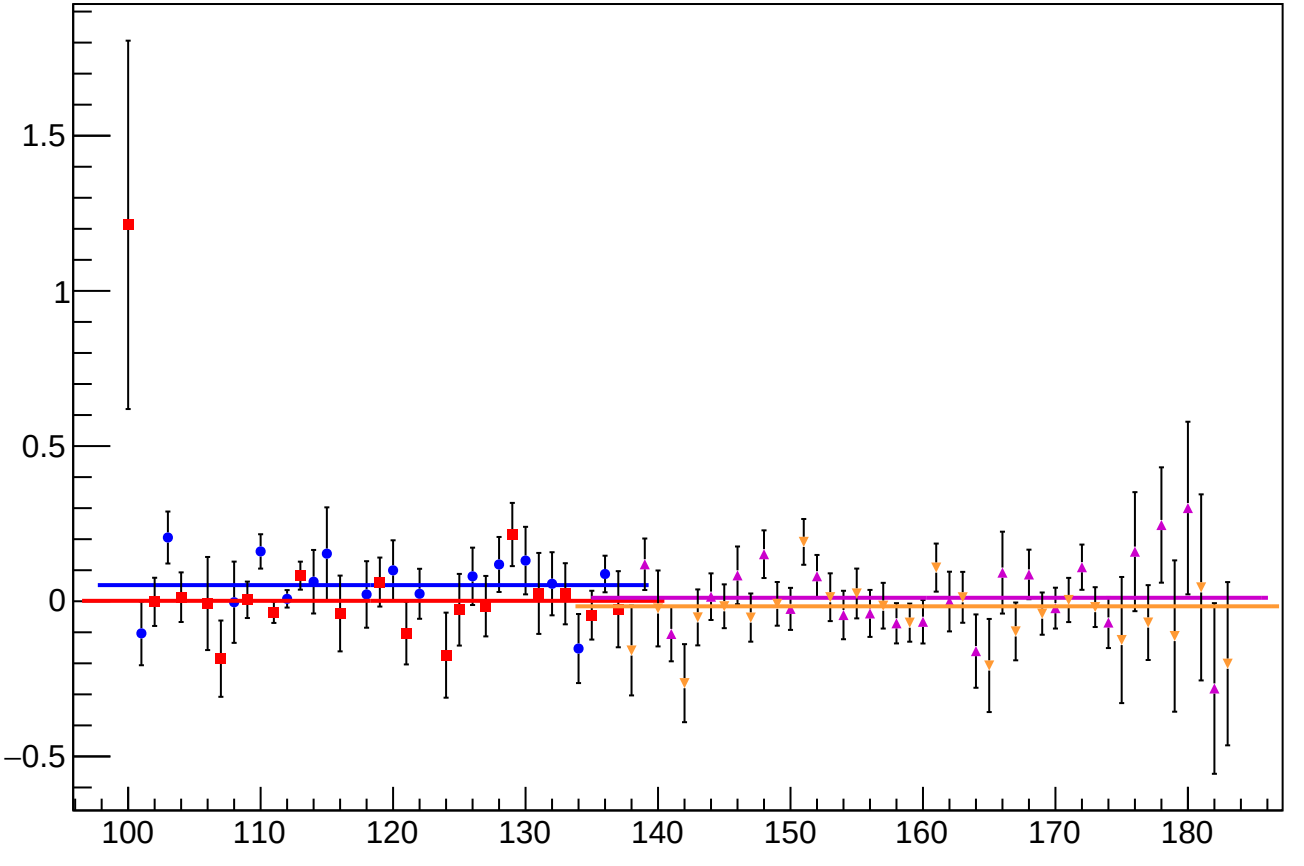
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 56.104+/-0.009 χ^2/NDF:8448691.8/37

Out: 58.088+/-0.009 χ^2/NDF:8344915.6/42

All: 57.100+/-0.006 χ^2/NDF: 16817926.1/80

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: -0.016+/-0.018 χ^2/NDF:20.8/23

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: -0.003+/-0.013 χ^2/NDF: 45.2/45

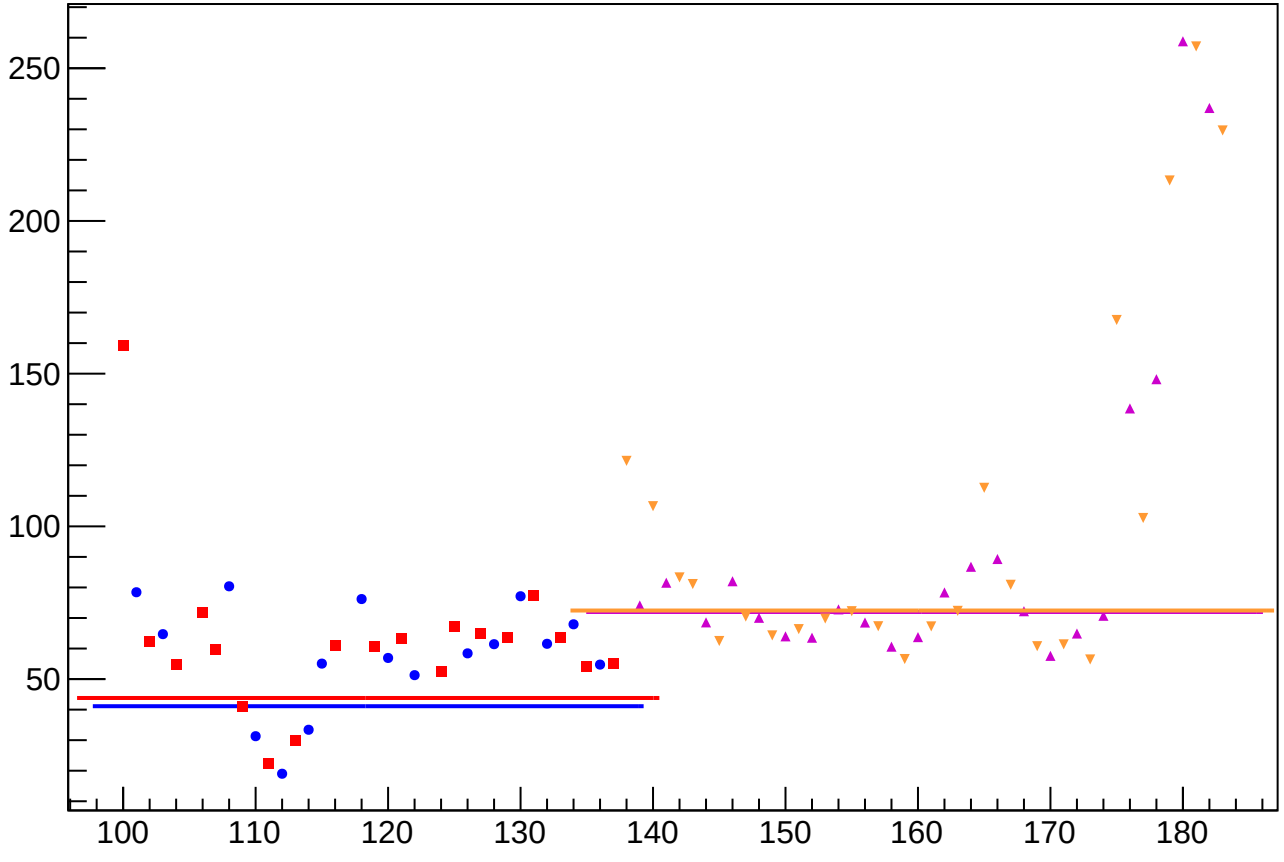
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:43.8/37

Out: -0.007+/-0.013 χ^2/NDF:40.5/42

All: 0.012+/-0.009 χ^2/NDF: 89.2/80

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: 72.449+/-0.013 χ^2/NDF:3752360.8/23

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 71.968+/-0.013 χ^2/NDF:2595880.0/21

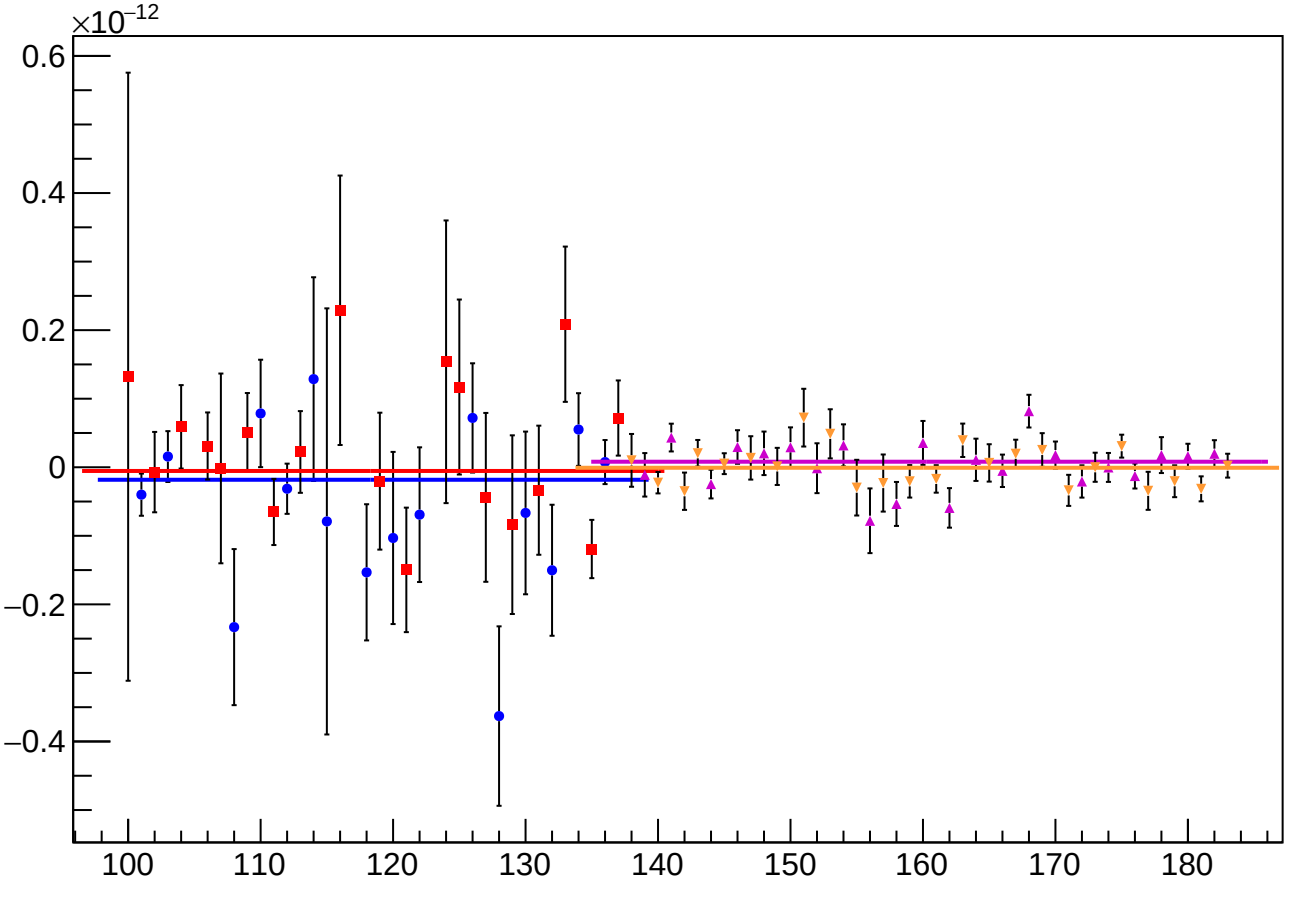
Left: 72.213+/-0.009 χ^2/NDF: 6348942.1/45

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 56.104+/-0.009 χ^2/NDF:8448691.8/37

Out: 58.088+/-0.009 χ^2/NDF:8344915.6/42

All: 57.100+/-0.006 χ^2/NDF: 16817926.1/80



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:34.9/21

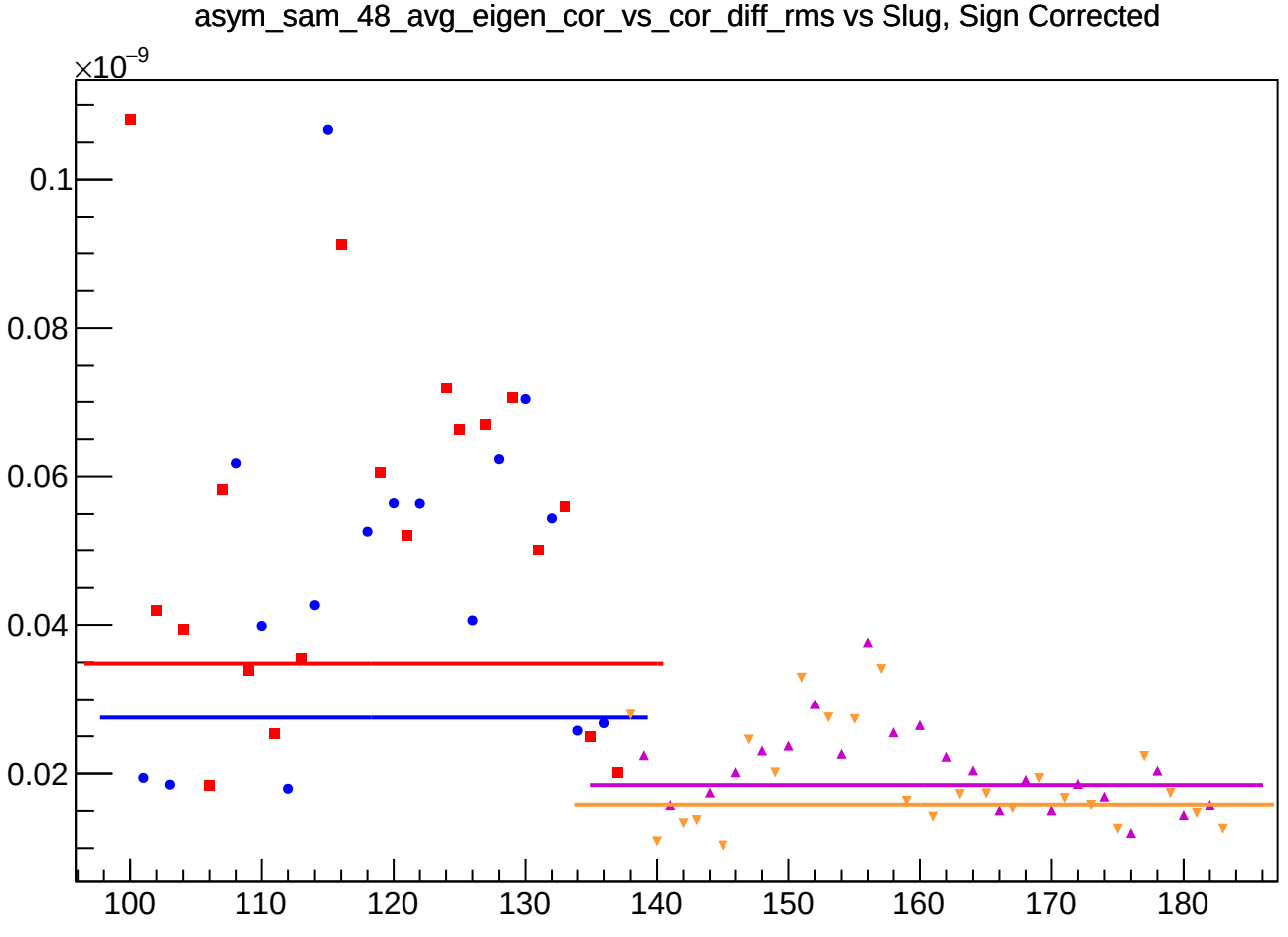
Left: 0.000+/-0.000 χ^2/NDF: 64.4/45

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:51.2/42

All: 0.000+/-0.000 χ^2/NDF: 112.9/80



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2328707.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1511764.3/21

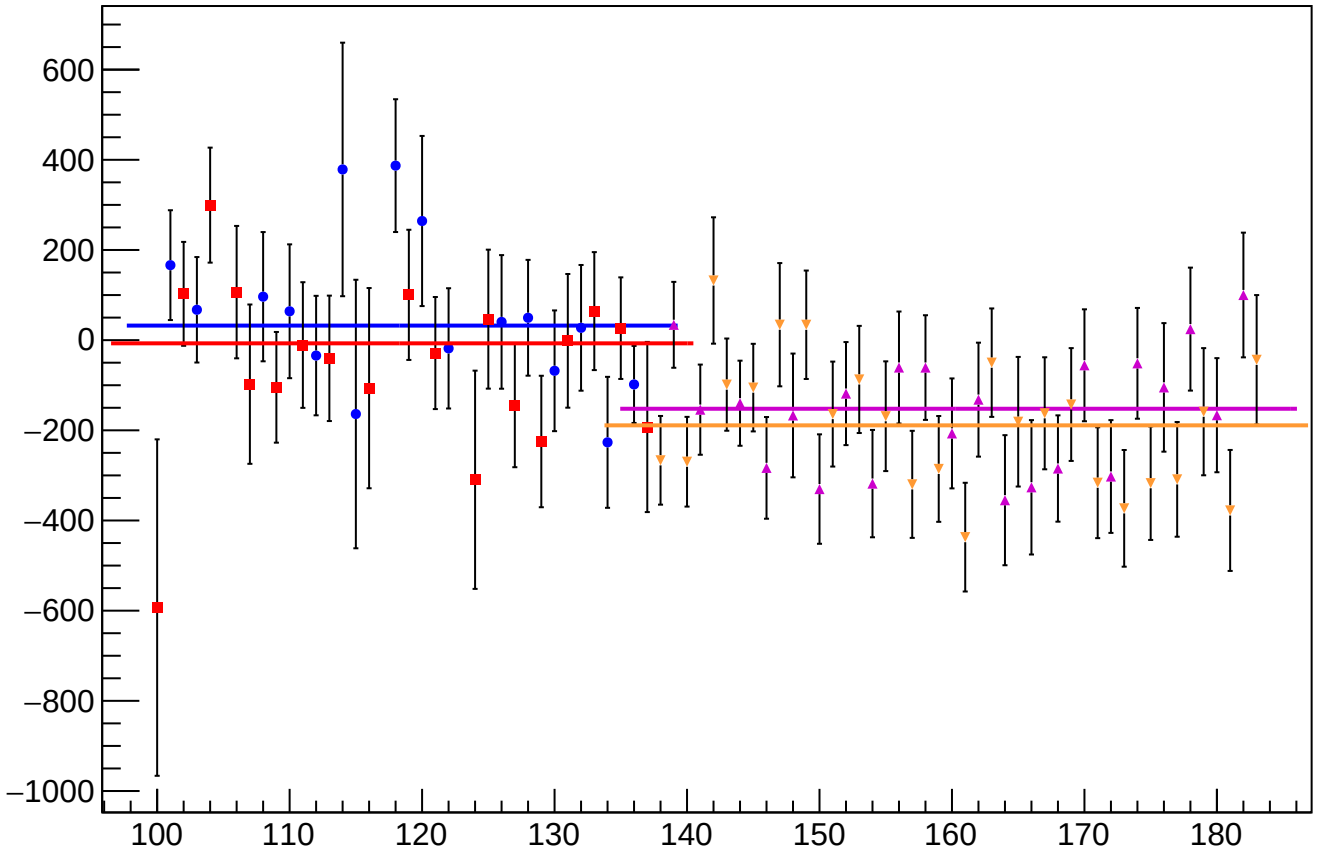
Left: 0.000+/-0.000 χ^2/NDF: 4119833.7/45

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:6416847.6/42

All: 0.000+/-0.000 χ^2/NDF: 10671994.4/80



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -188.969+/-24.578 χ^2/NDF:30.7/23

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -152.169+/-25.684 χ^2/NDF:23.2/21

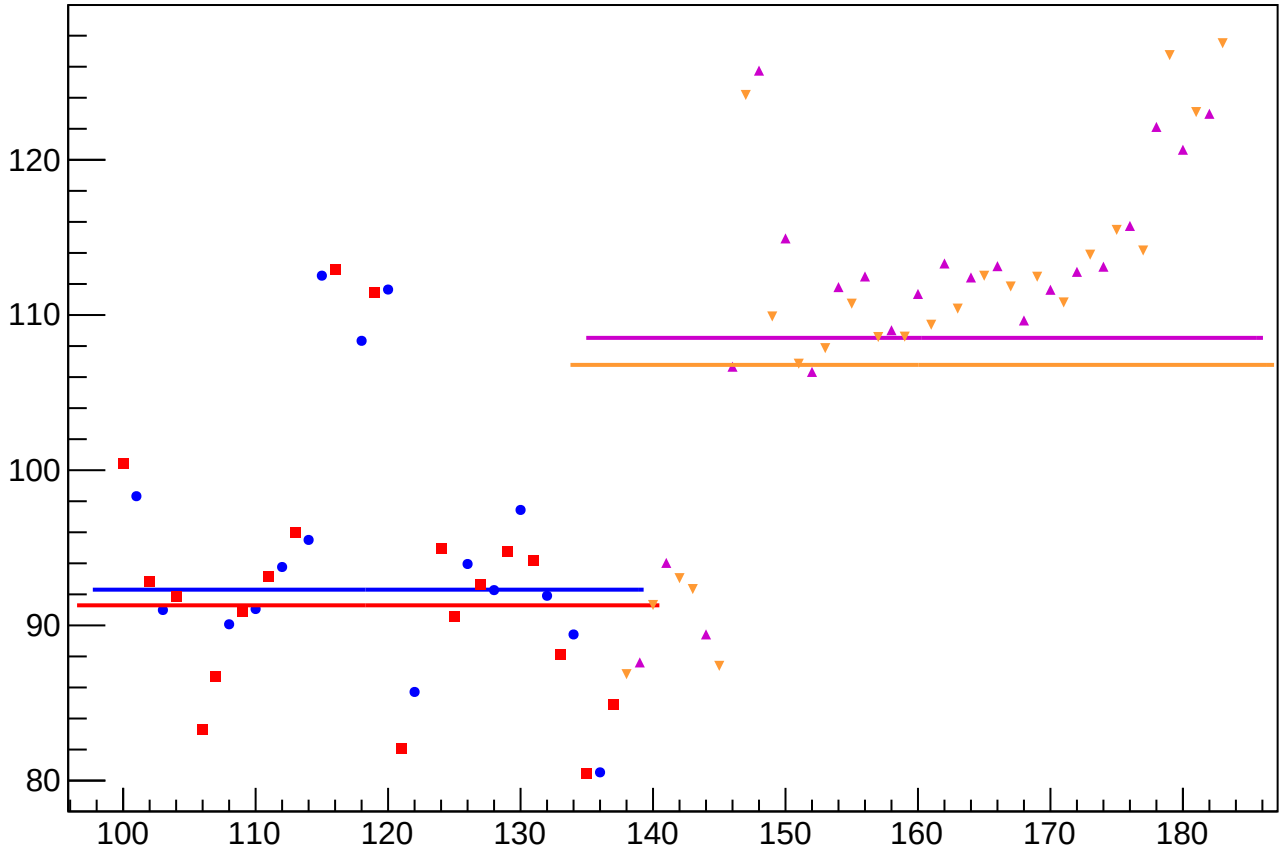
Left: -171.378+/-17.758 χ^2/NDF: 55.0/45

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -86.214+/-20.587 χ^2/NDF:59.0/37

Out: -125.119+/-19.800 χ^2/NDF:67.7/42

All: -106.424+/-14.271 χ^2/NDF: 128.5/80



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.787+/-0.017 χ^2/NDF:455230.1/23

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 108.528+/-0.018 χ^2/NDF:341360.7/21

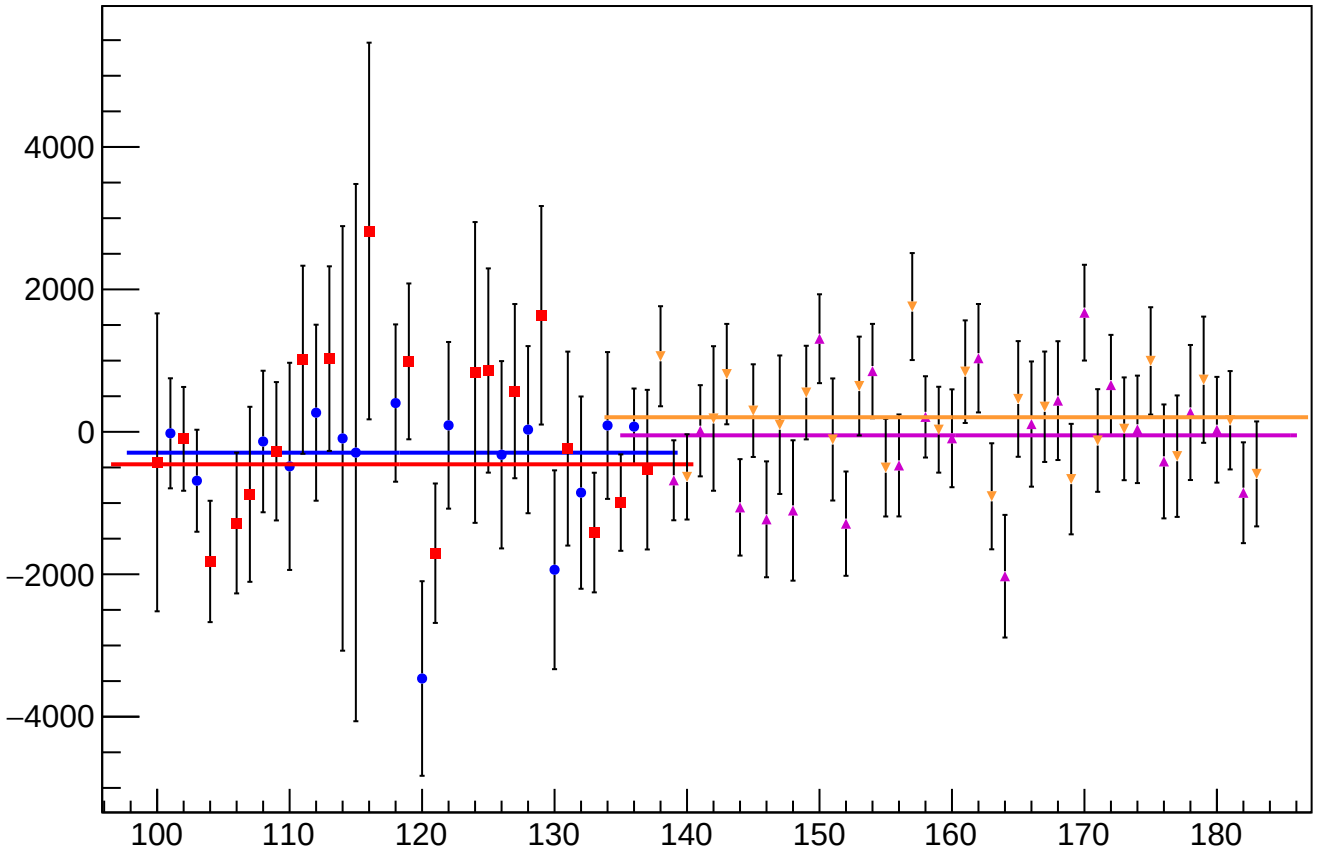
Left: 107.619+/-0.013 χ^2/NDF: 801387.5/45

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 102.726+/-0.015 χ^2/NDF:733807.0/37

Out: 101.348+/-0.014 χ^2/NDF:839282.0/42

All: 102.011+/-0.010 χ^2/NDF: 1577744.6/80



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 205.008+/-150.094 χ^2/NDF:18.1/23

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -49.105+/-153.471 χ^2/NDF:33.6/21

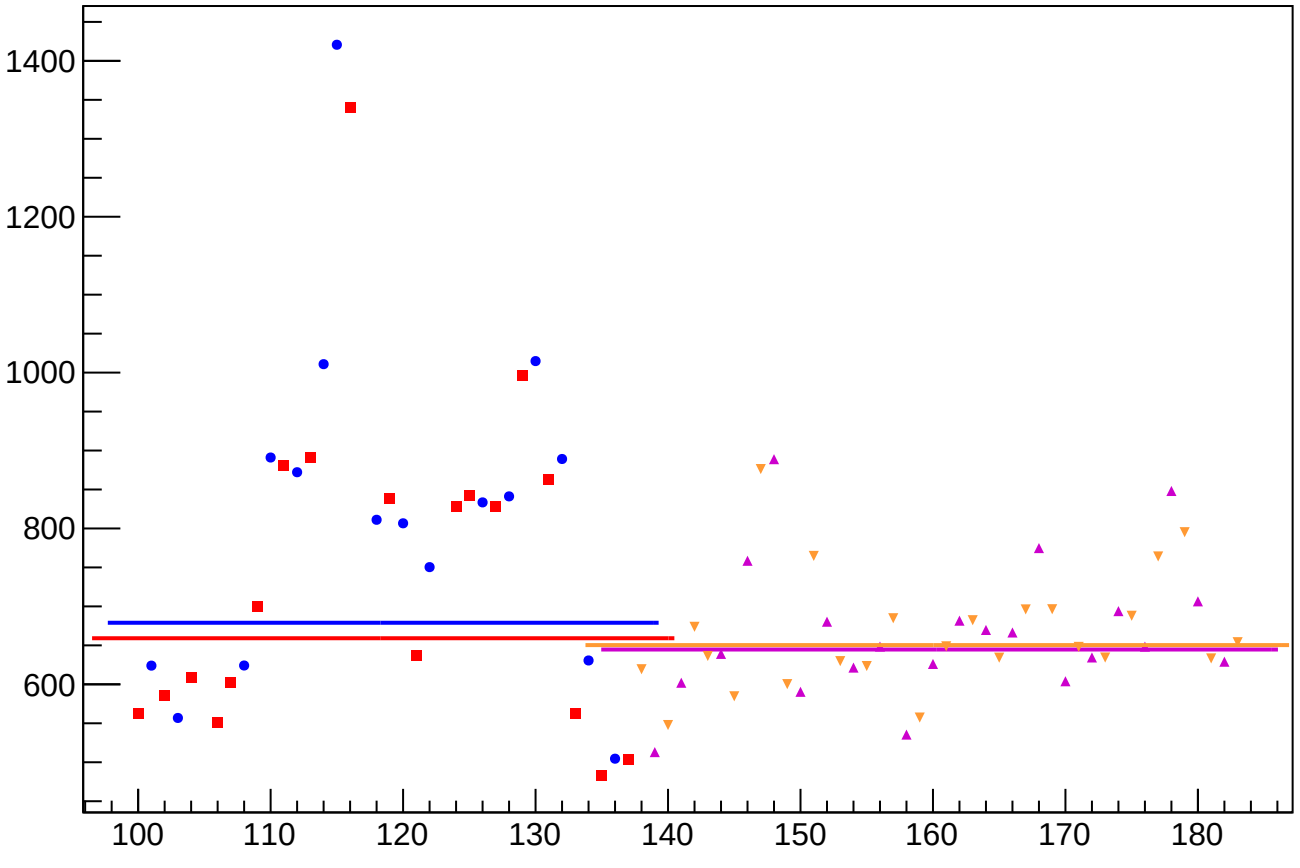
Left: 80.778+/-107.307 χ^2/NDF: 53.2/45

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -112.173+/-132.124 χ^2/NDF:43.1/37

Out: 28.591+/-128.507 χ^2/NDF:40.2/42

All: -39.838+/-92.120 χ^2/NDF: 83.9/80



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 650.337+/-0.106 χ^2/NDF:411445.7/23

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 644.663+/-0.109 χ^2/NDF:557503.2/21

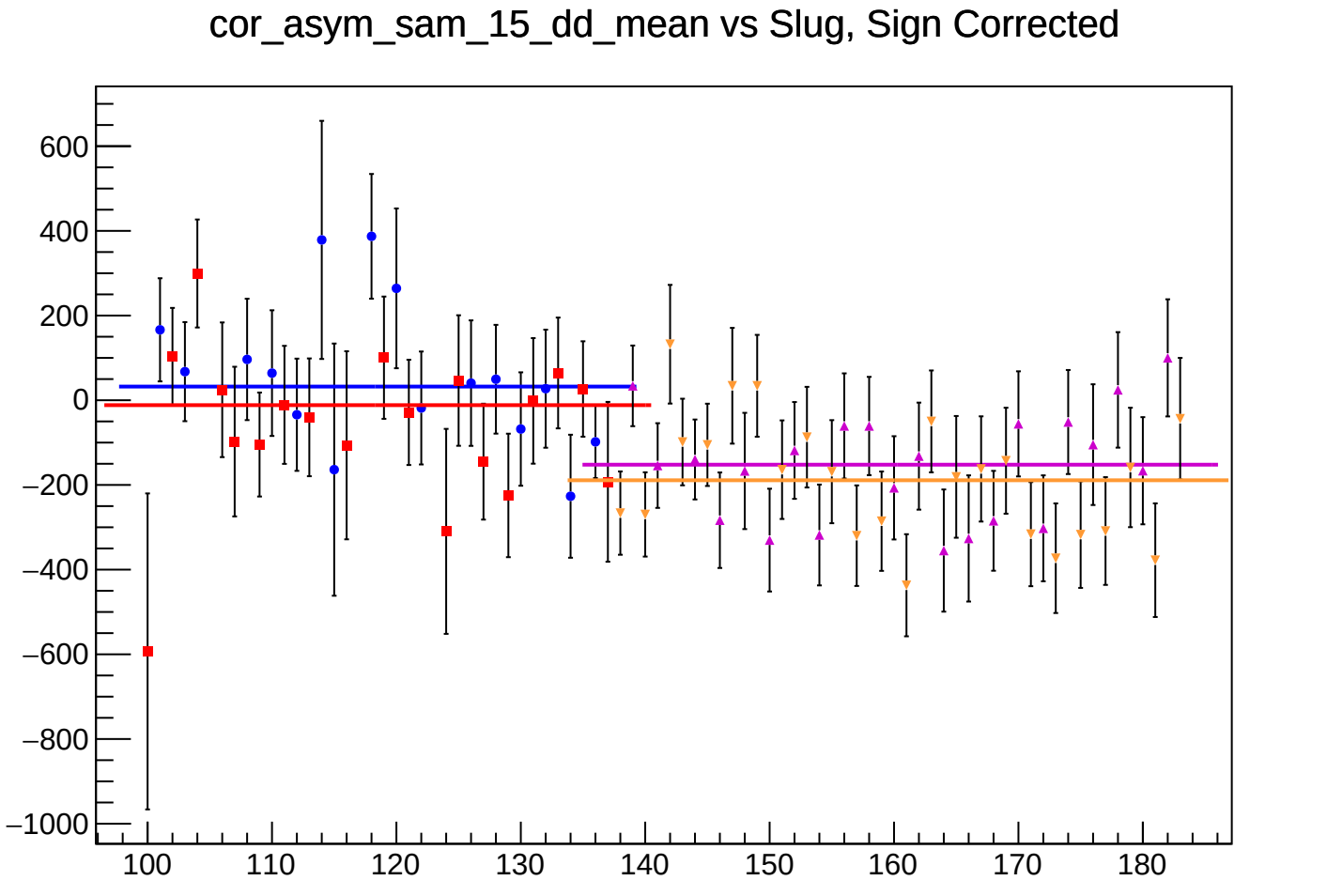
Left: 647.563+/-0.076 χ^2/NDF: 970346.3/45

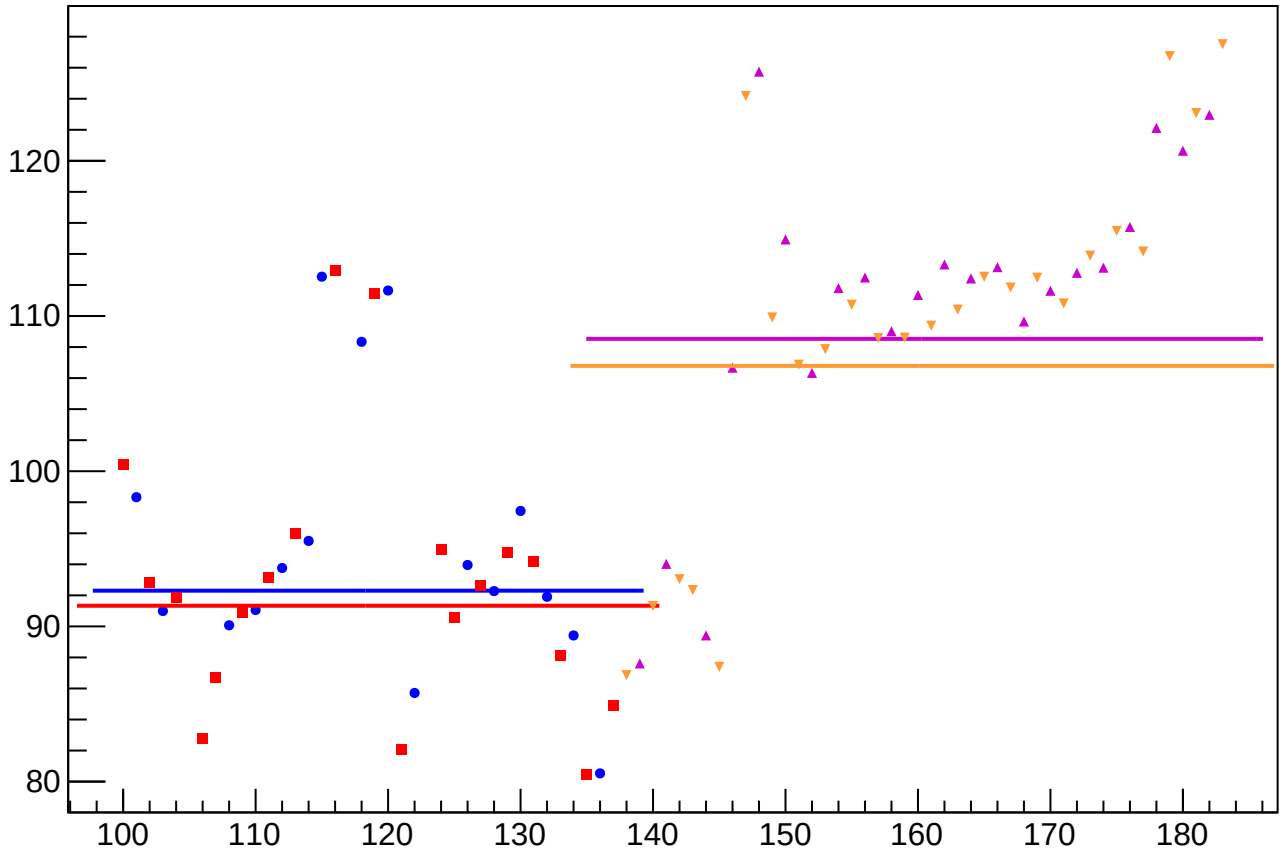
Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 653.552+/-0.093 χ^2/NDF:1351406.0/37

Out: 652.685+/-0.091 χ^2/NDF:1209157.2/42

All: 653.106+/-0.065 χ^2/NDF: 2560607.4/80


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: -188.969+/-24.578 χ²/NDF:30.7/23
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -152.174+/-25.684 χ²/NDF:23.2/21
Left: -171.380+/-17.758 χ²/NDF: 55.0/45
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: -86.212+/-20.587 χ²/NDF:59.0/37
Out: -127.010+/-19.827 χ²/NDF:66.1/42
All: -107.378+/-14.281 χ²/NDF: 127.1/80



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.787+/-0.017 χ^2/NDF:455230.1/23

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.528+/-0.018 χ^2/NDF:341360.7/21

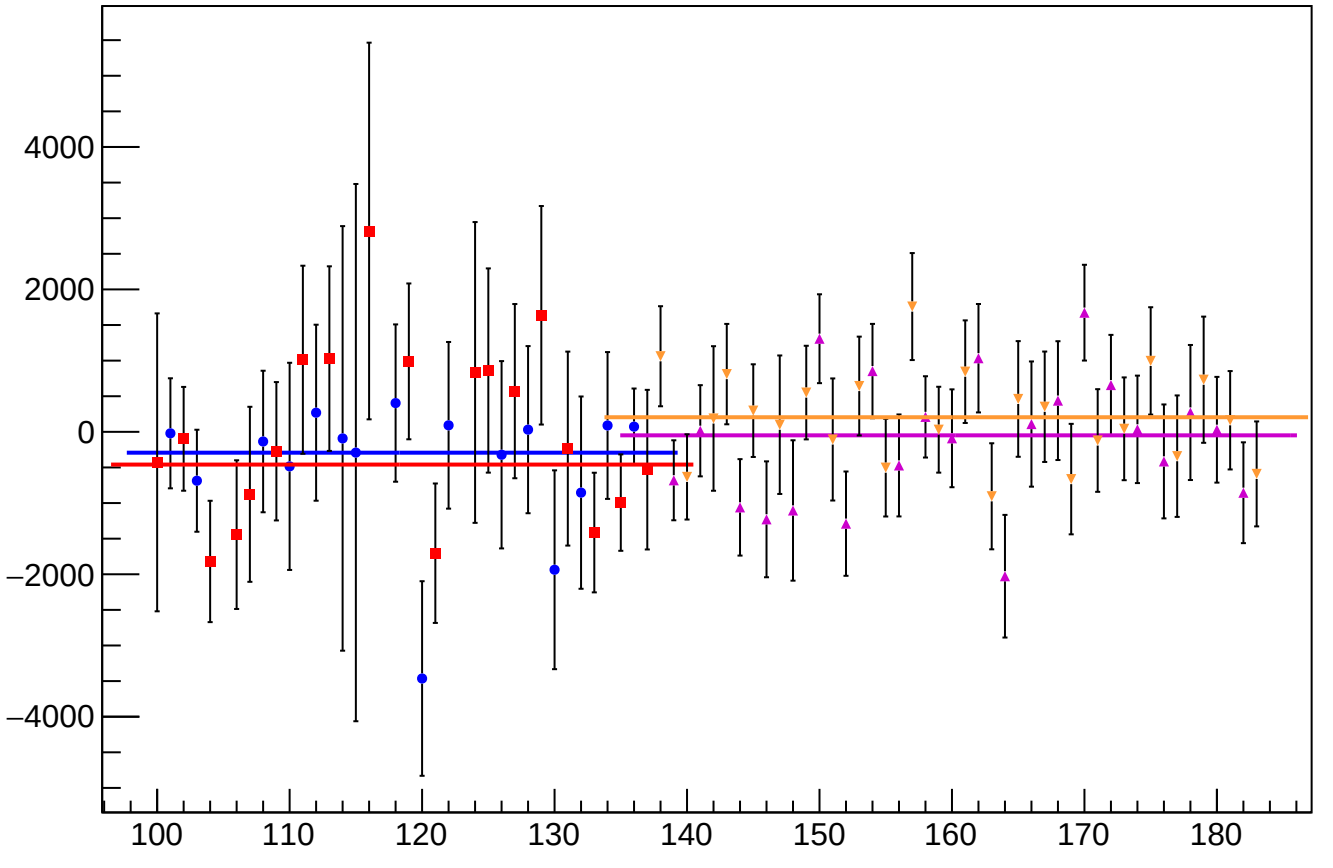
Left: 107.619+/-0.013 χ^2/NDF: 801387.6/45

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 102.727+/-0.015 χ^2/NDF:733806.9/37

Out: 101.389+/-0.014 χ^2/NDF:836342.6/42

All: 102.033+/-0.010 χ^2/NDF: 1574530.0/80



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 205.004+/-150.094 χ^2/NDF:18.2/23

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: 80.775+/-107.307 χ^2/NDF: 53.2/45

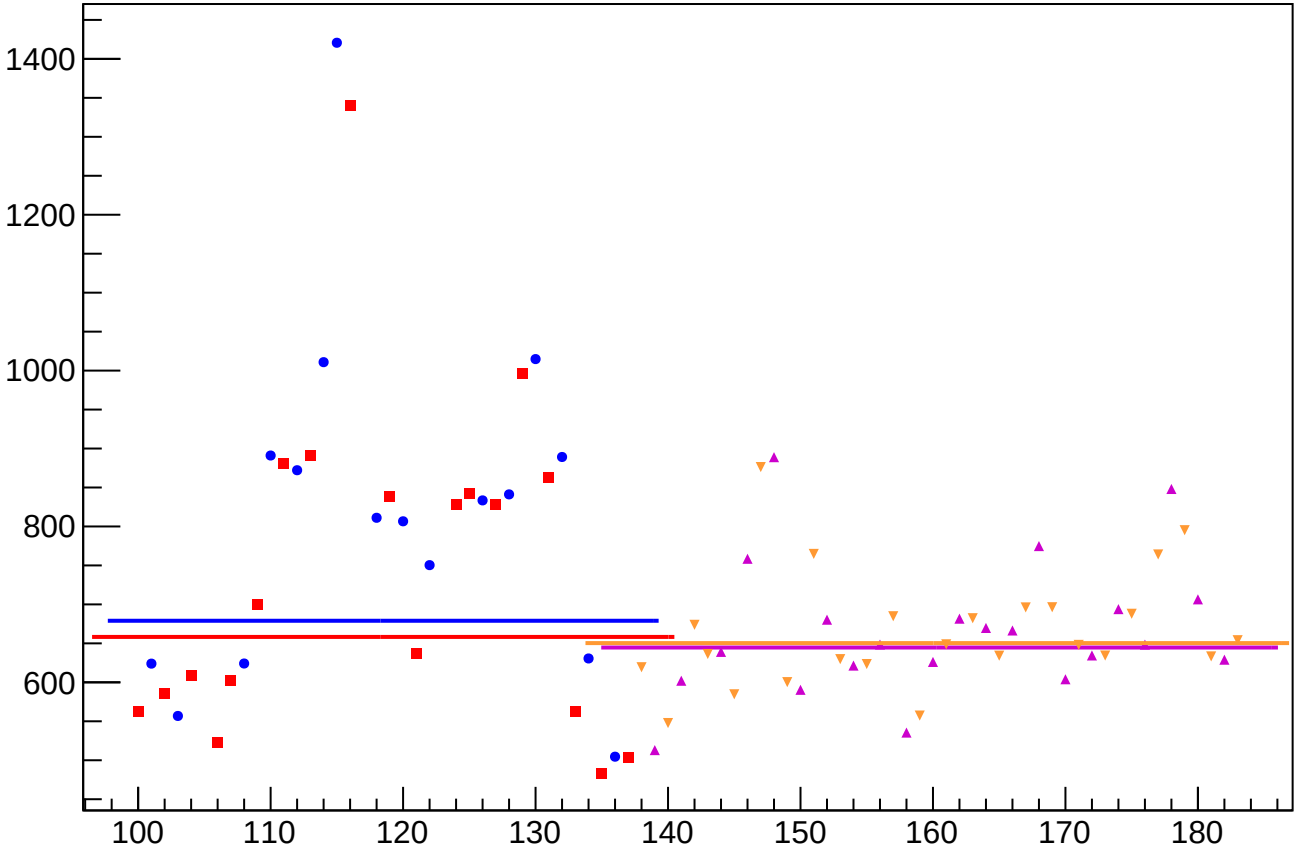
Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -112.173+/-132.124 χ^2/NDF:43.1/37

Out: 28.444+/-128.621 χ^2/NDF:40.4/42

All: -39.976+/-92.162 χ^2/NDF: 84.1/80

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 650.337+/-0.106 χ^2/NDF:411446.5/23

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 644.663+/-0.109 χ^2/NDF:557504.0/21

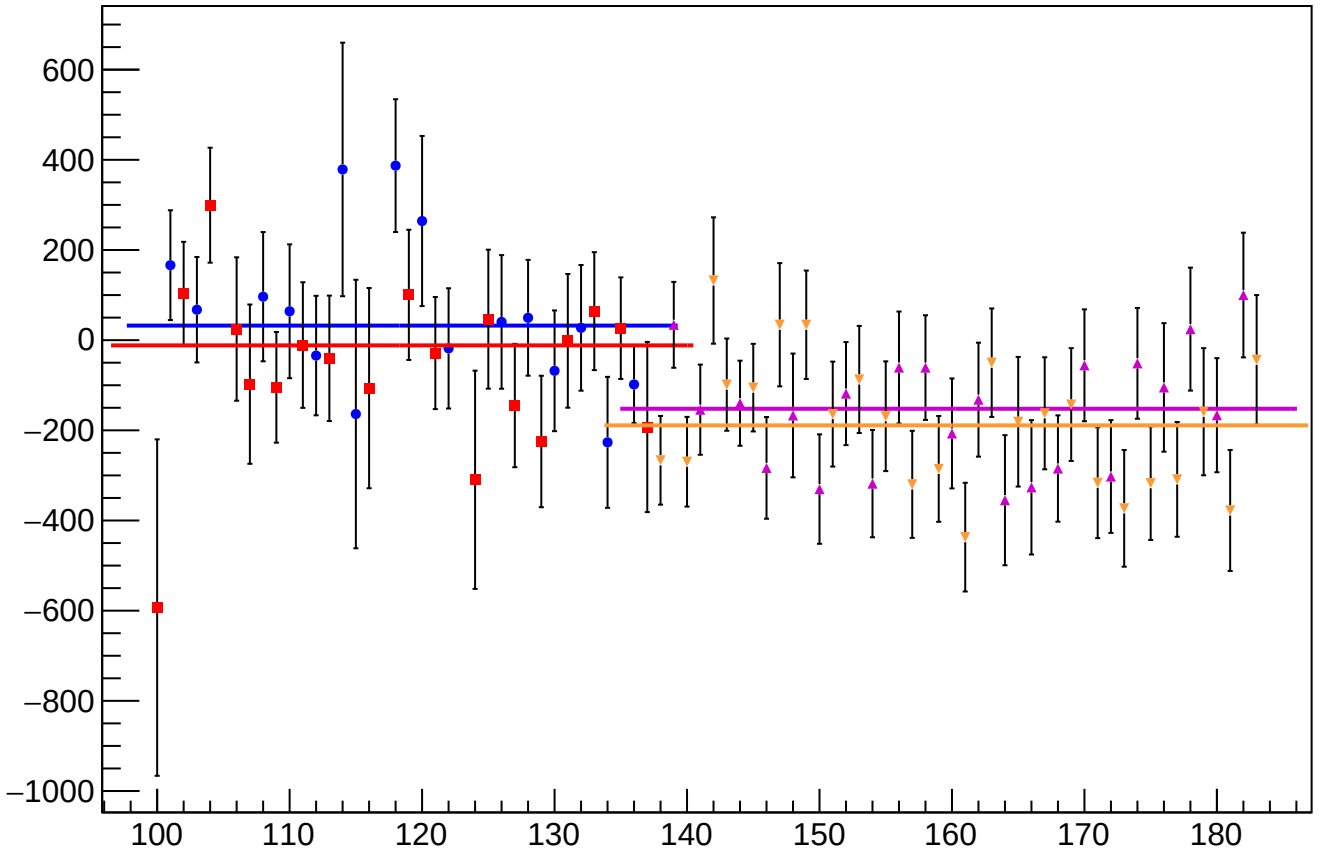
Left: 647.563+/-0.076 χ^2/NDF: 970347.9/45

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 653.552+/-0.093 χ^2/NDF:1351408.3/37

Out: 652.442+/-0.091 χ^2/NDF:1218825.8/42

All: 652.982+/-0.065 χ^2/NDF: 2570306.5/80



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -188.969+/-24.578 χ^2/NDF:30.7/23

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -152.174+/-25.684 χ^2/NDF:23.2/21

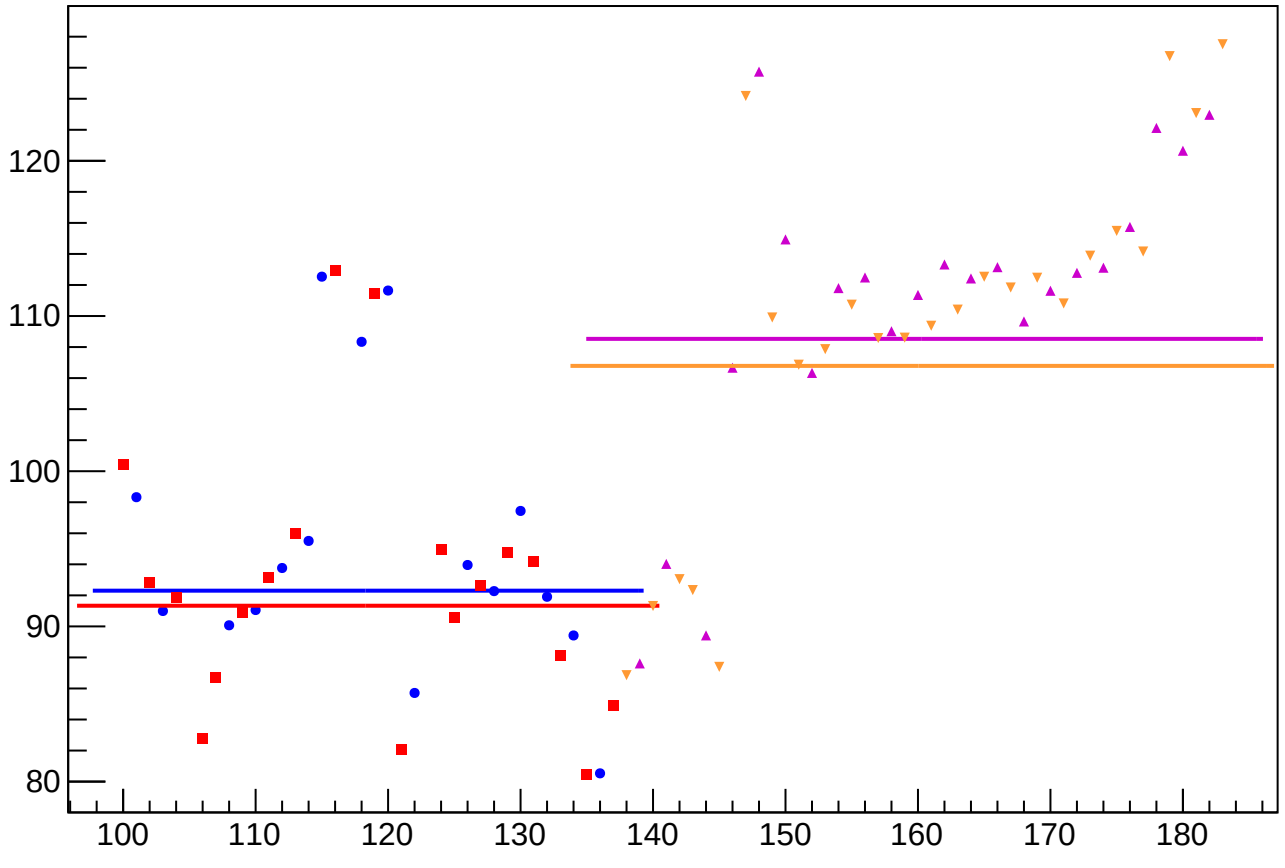
Left: -171.380+/-17.758 χ^2/NDF: 55.0/45

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -86.212+/-20.587 χ^2/NDF:59.0/37

Out: -127.010+/-19.827 χ^2/NDF:66.1/42

All: -107.378+/-14.281 χ^2/NDF: 127.1/80



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.787+/-0.017 χ^2/NDF:455230.1/23

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.528+/-0.018 χ^2/NDF:341360.7/21

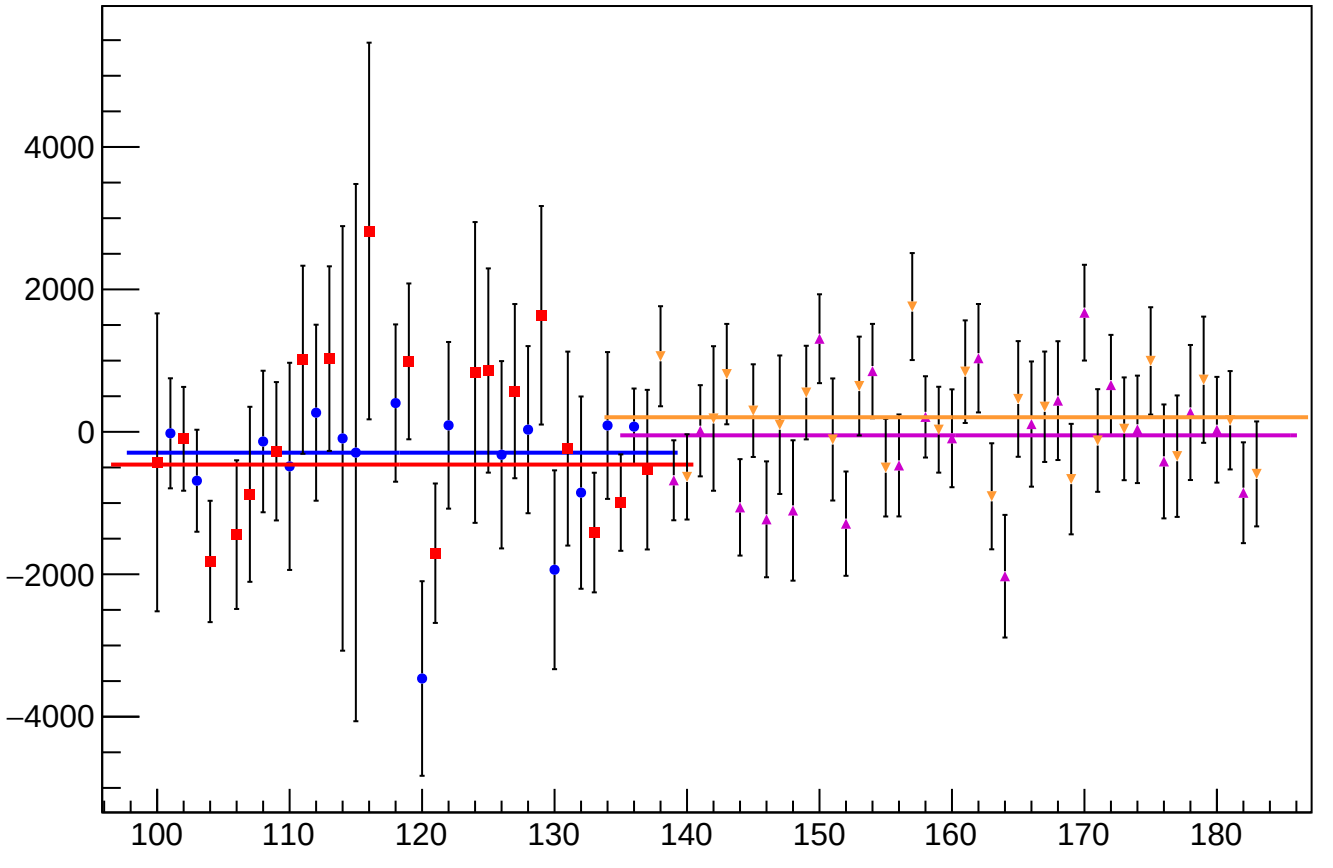
Left: 107.619+/-0.013 χ^2/NDF: 801387.6/45

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 102.727+/-0.015 χ^2/NDF:733806.9/37

Out: 101.389+/-0.014 χ^2/NDF:836342.6/42

All: 102.033+/-0.010 χ^2/NDF: 1574530.0/80



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 205.004+/-150.094 χ^2/NDF:18.2/23

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: 80.775+/-107.307 χ^2/NDF: 53.2/45

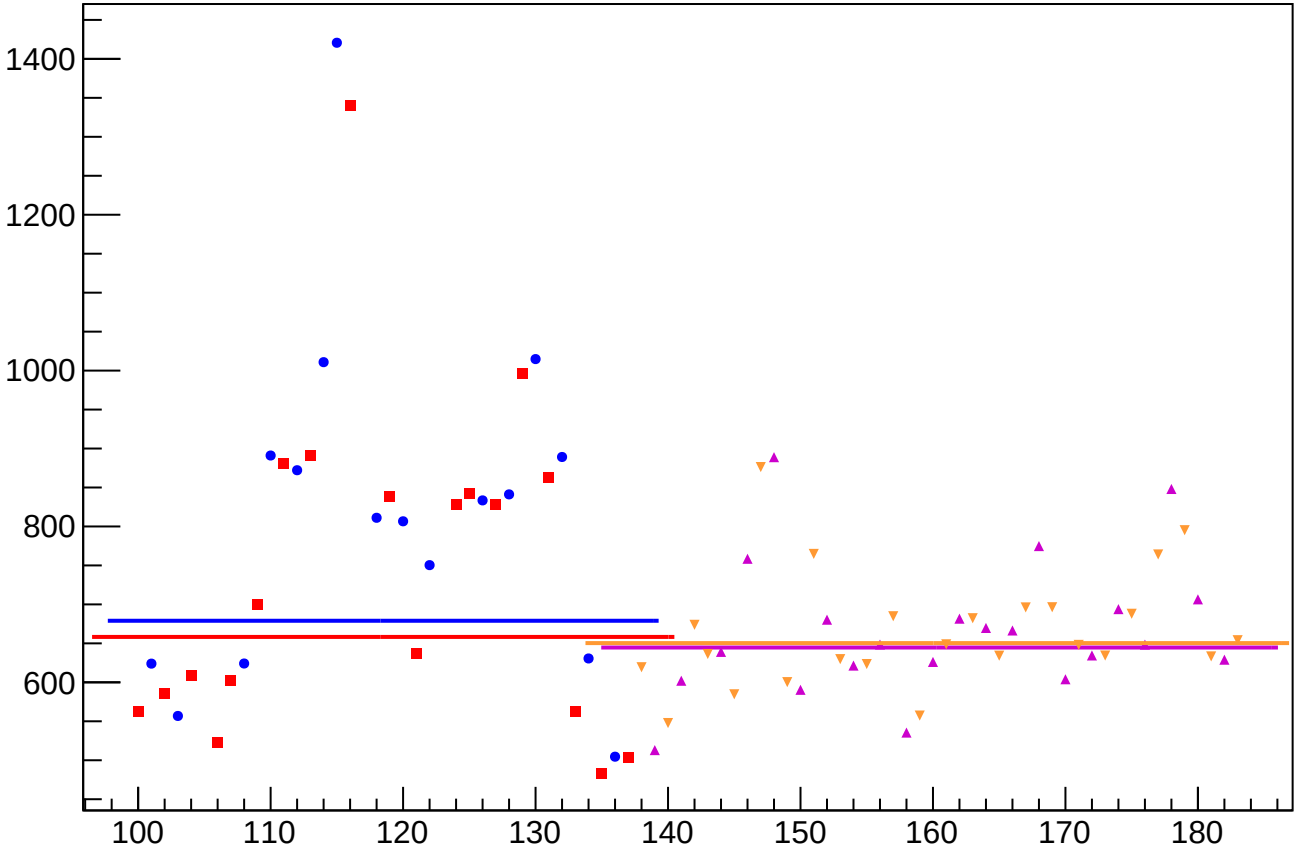
Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -112.173+/-132.124 χ^2/NDF:43.1/37

Out: 28.444+/-128.621 χ^2/NDF:40.4/42

All: -39.976+/-92.162 χ^2/NDF: 84.1/80

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: 650.337+/-0.106 χ^2/NDF:411446.5/23

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 644.663+/-0.109 χ^2/NDF:557504.0/21

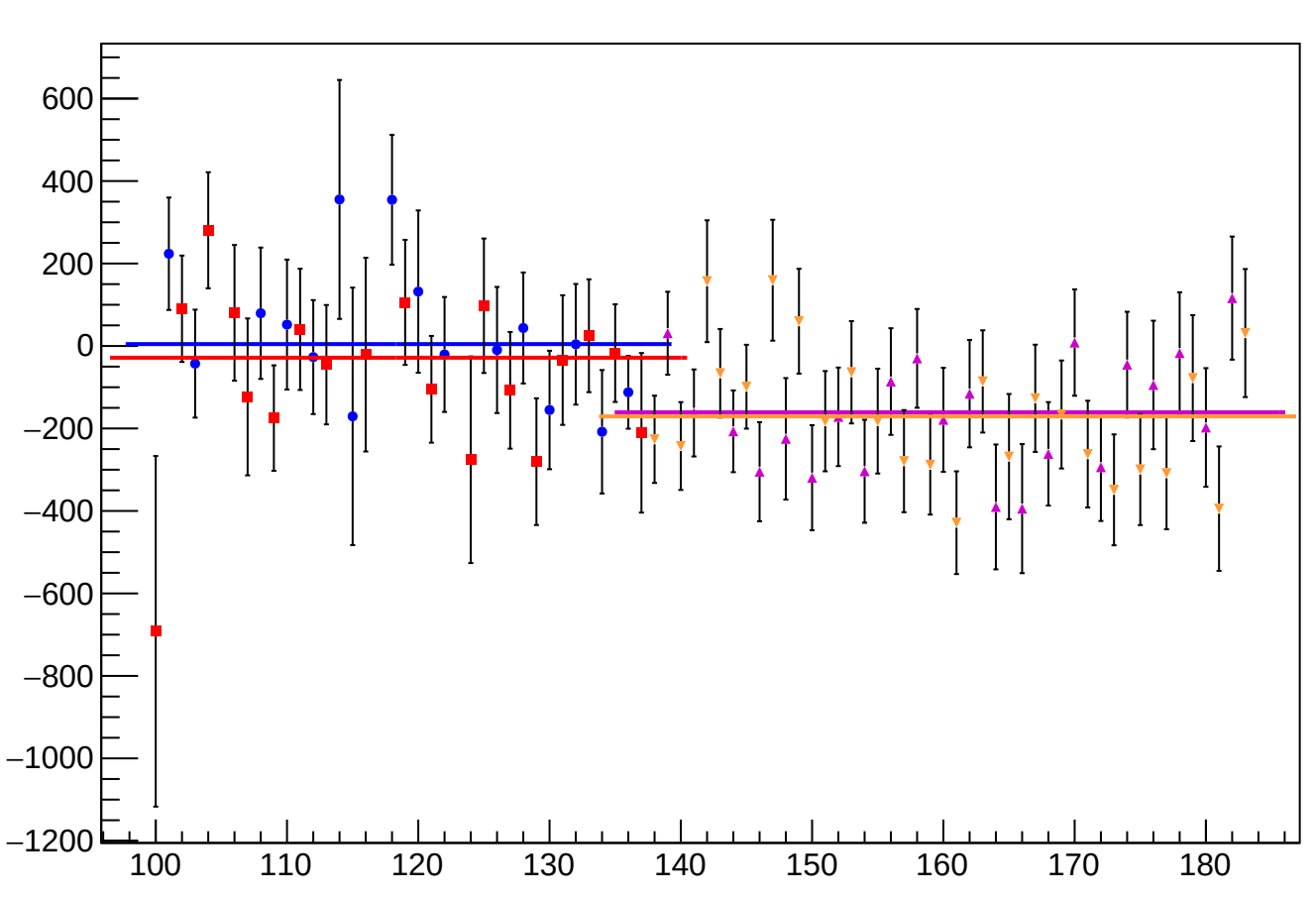
Left: 647.563+/-0.076 χ^2/NDF: 970347.9/45

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 653.552+/-0.093 χ^2/NDF:1351408.3/37

Out: 652.442+/-0.091 χ^2/NDF:1218825.8/42

All: 652.982+/-0.065 χ^2/NDF: 2570306.5/80



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -170.698+/-25.938 χ^2/NDF:31.7/23

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: -165.944+/-18.740 χ^2/NDF: 55.1/45

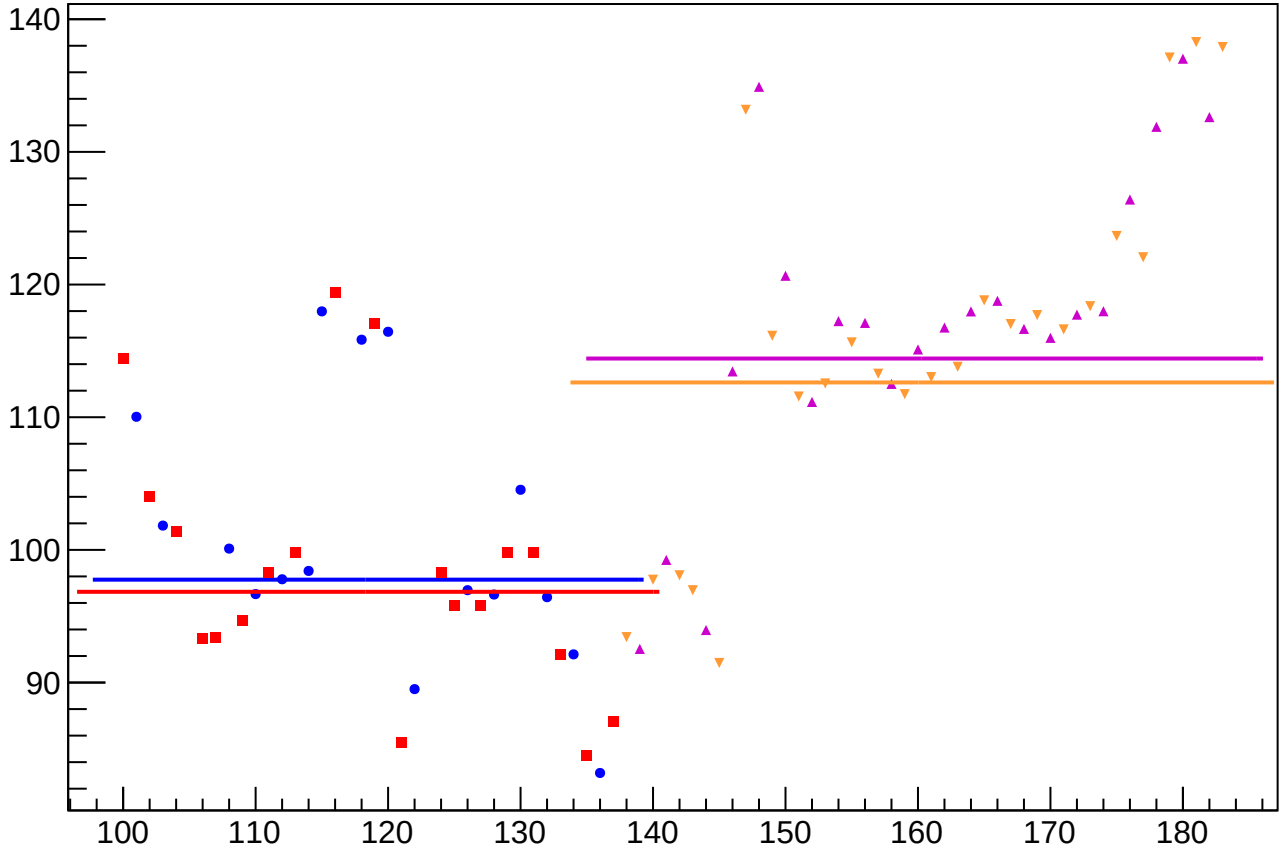
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -101.989+/-21.763 χ^2/NDF:52.0/37

Out: -121.110+/-20.936 χ^2/NDF:59.3/42

All: -111.920+/-15.088 χ^2/NDF: 111.6/80

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 112.621+/-0.018 χ^2/NDF:495252.8/23

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: 113.483+/-0.013 χ^2/NDF: 894771.5/45

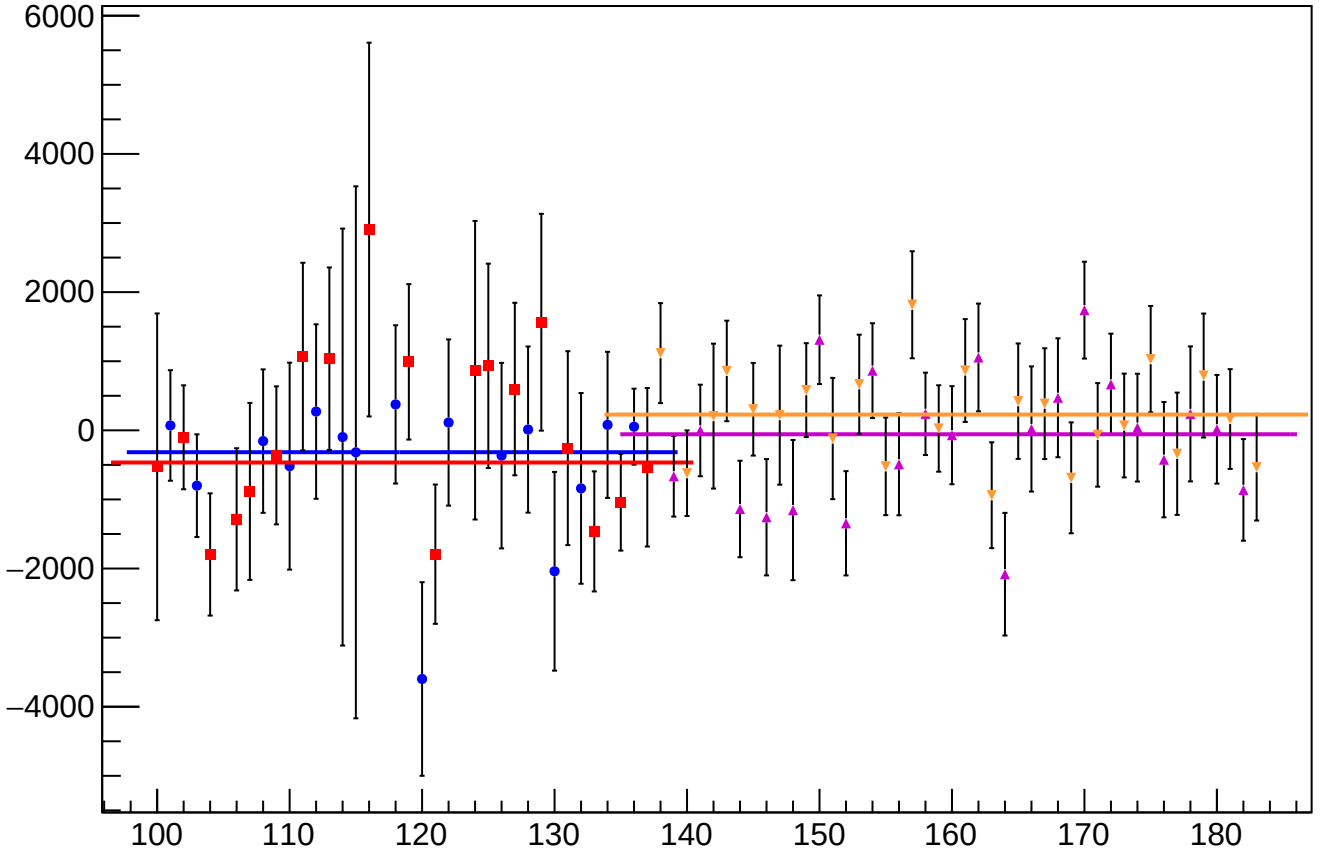
Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 108.501+/-0.015 χ^2/NDF:804275.3/37

Out: 107.121+/-0.015 χ^2/NDF:868435.6/42

All: 107.784+/-0.011 χ^2/NDF: 1676883.7/80

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: 228.312+/-155.105 χ^2/NDF:17.9/23

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -56.856+/-158.974 χ^2/NDF:33.2/21

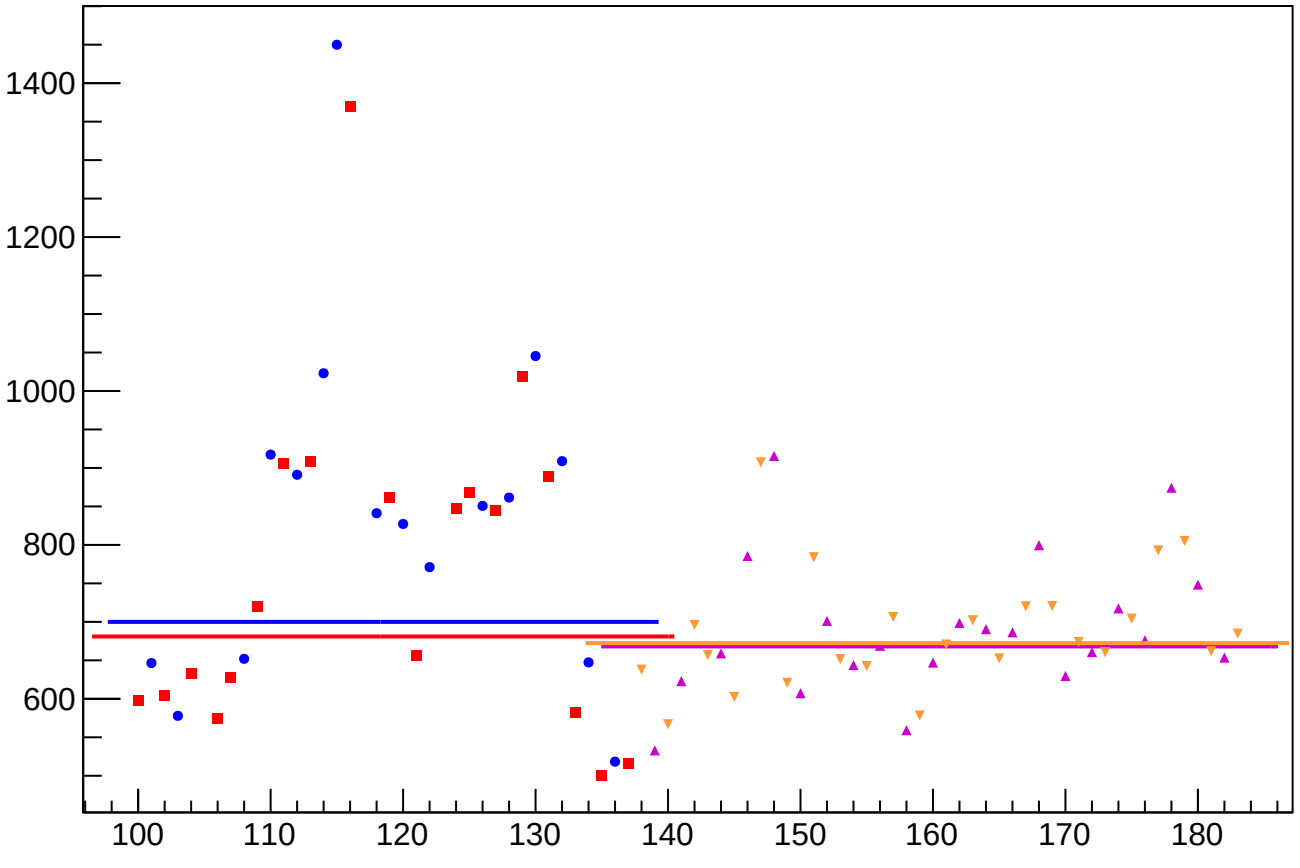
Left: 89.240+/-111.018 χ^2/NDF: 52.8/45

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -124.637+/-136.664 χ^2/NDF:43.1/37

Out: 42.676+/-132.746 χ^2/NDF:39.7/42

All: -38.548+/-95.220 χ^2/NDF: 83.6/80



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 672.391+/-0.110 χ^2/NDF:397545.1/23

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 668.071+/-0.112 χ^2/NDF:544643.7/21

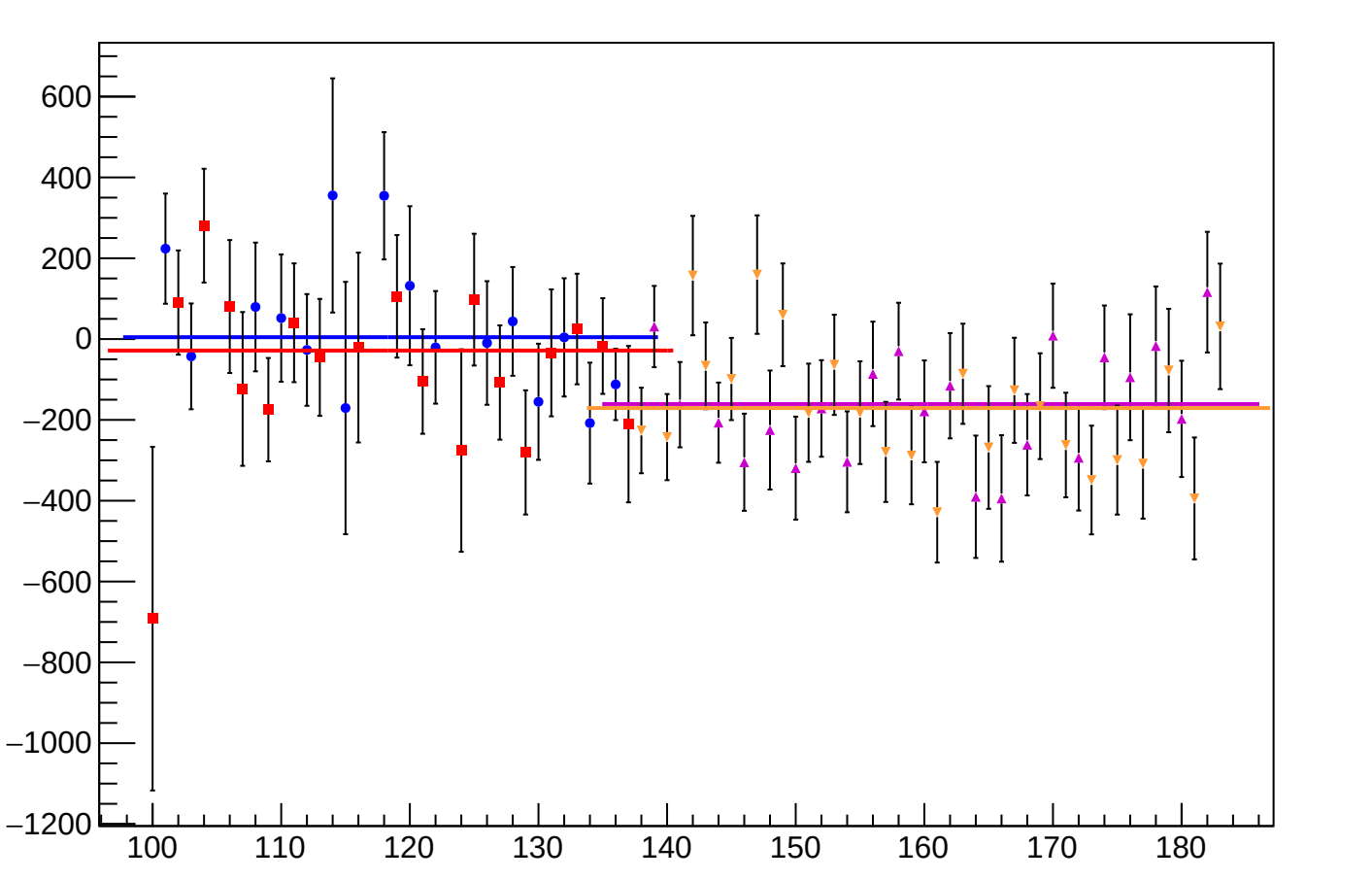
Left: 670.284+/-0.079 χ^2/NDF: 942945.5/45

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 676.397+/-0.097 χ^2/NDF:1319328.7/37

Out: 674.699+/-0.094 χ^2/NDF:1168597.0/42

All: 675.523+/-0.067 χ^2/NDF: 2488084.6/80



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -170.698+/-25.938 χ^2/NDF:31.7/23

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -160.754+/-27.106 χ^2/NDF:23.4/21

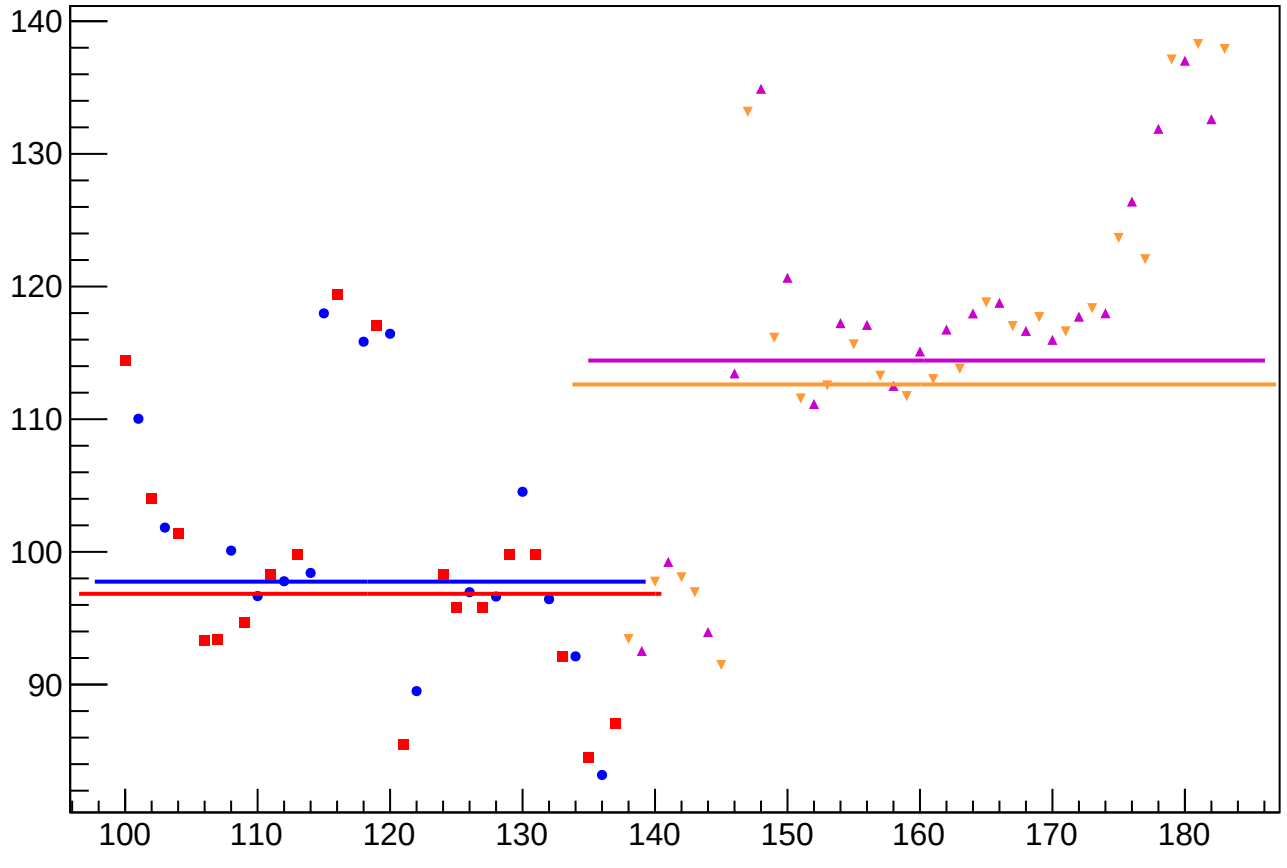
Left: -165.945+/-18.740 χ^2/NDF: 55.1/45

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -101.988+/-21.763 χ^2/NDF:52.0/37

Out: -121.110+/-20.936 χ^2/NDF:59.3/42

All: -111.920+/-15.088 χ^2/NDF: 111.6/80



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 112.621+/-0.018 χ^2/NDF:495246.6/23

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 114.424+/-0.019 χ^2/NDF:394899.3/21

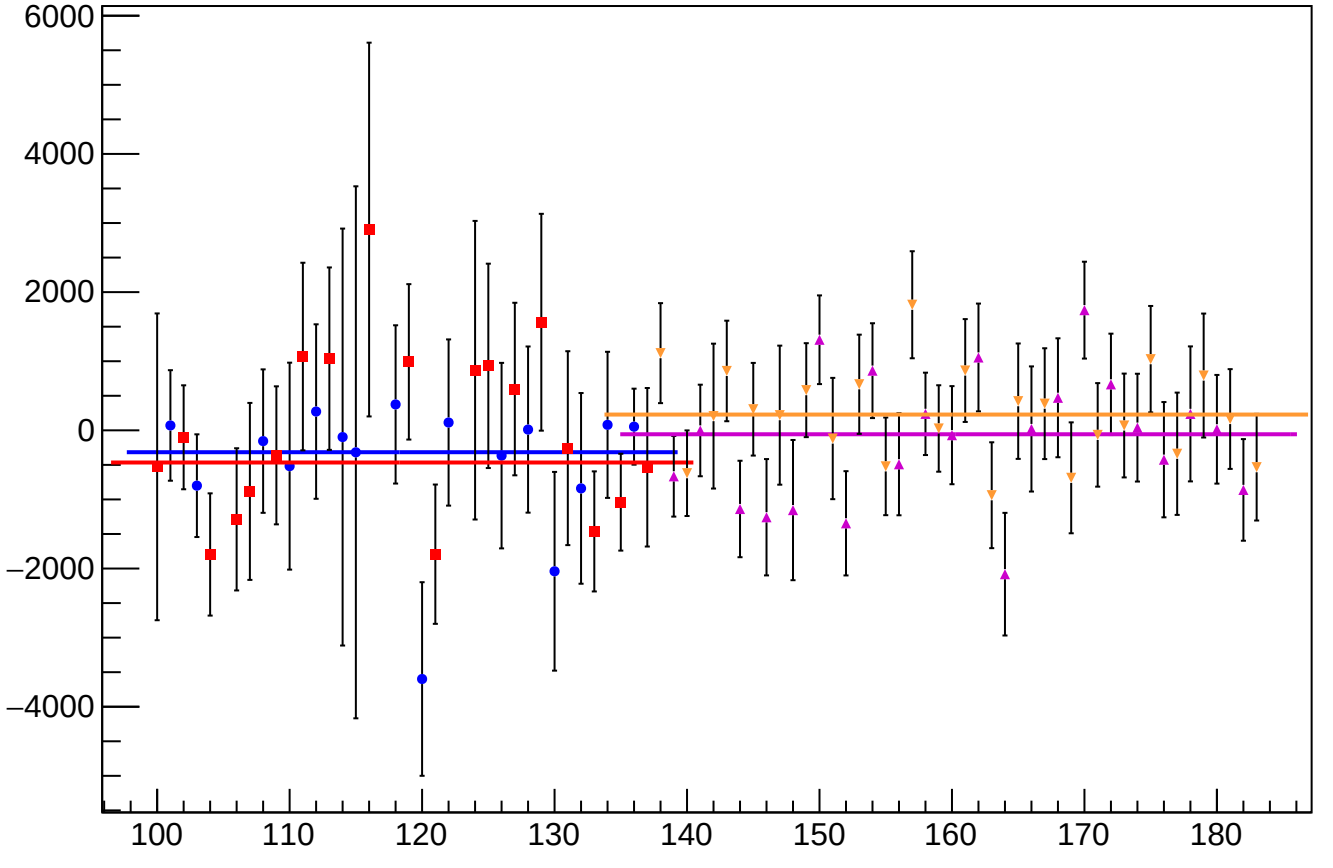
Left: 113.483+/-0.013 χ^2/NDF: 894762.7/45

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 108.501+/-0.015 χ^2/NDF:804285.8/37

Out: 107.121+/-0.015 χ^2/NDF:868443.8/42

All: 107.784+/-0.011 χ^2/NDF: 1676902.6/80



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 228.311+/-155.105 χ^2/NDF:17.9/23

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -56.857+/-158.974 χ^2/NDF:33.2/21

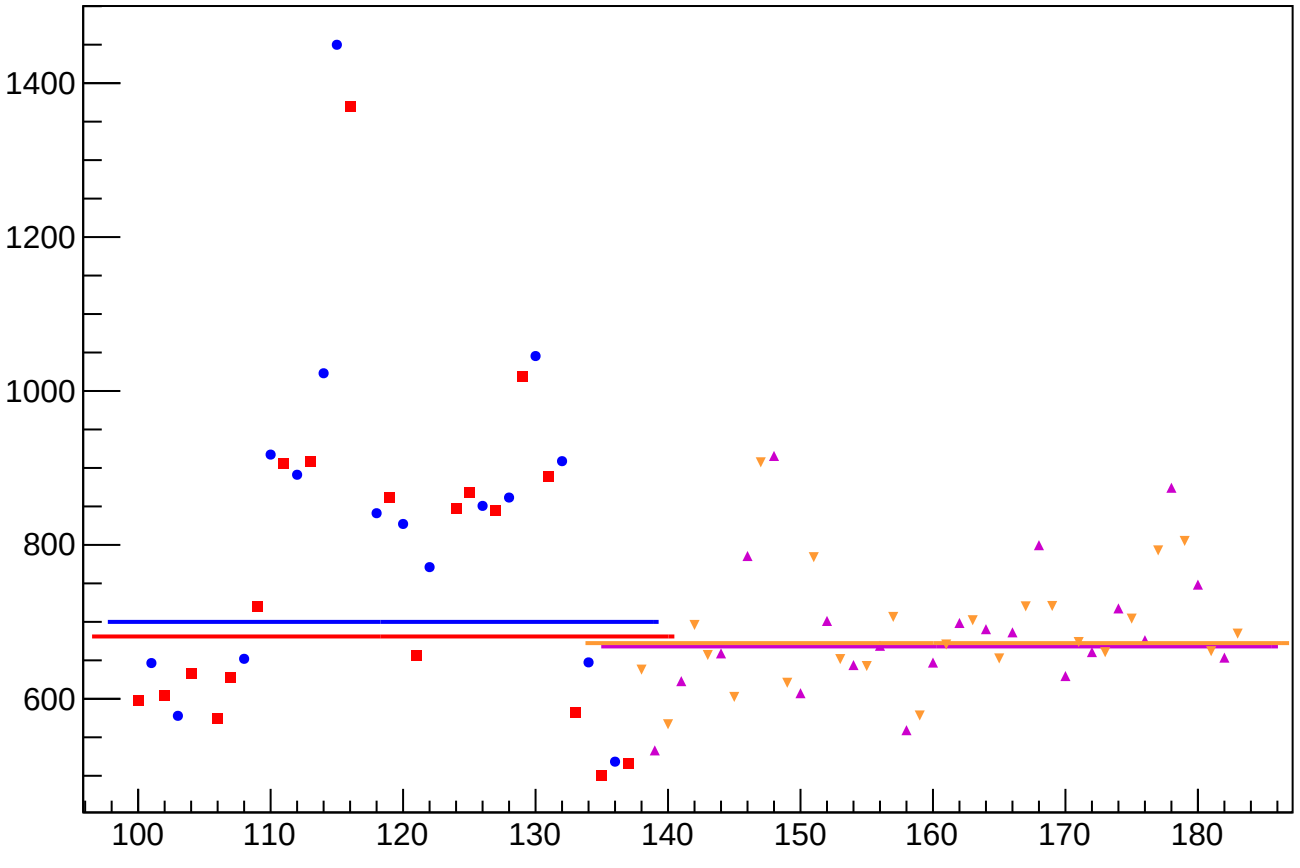
Left: 89.240+/-111.018 χ^2/NDF: 52.8/45

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -124.637+/-136.664 χ^2/NDF:43.1/37

Out: 42.675+/-132.746 χ^2/NDF:39.7/42

All: -38.548+/-95.220 χ^2/NDF: 83.6/80



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 672.392+/-0.110 χ^2/NDF:397545.4/23

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: 670.285+/-0.079 χ^2/NDF: 942947.8/45

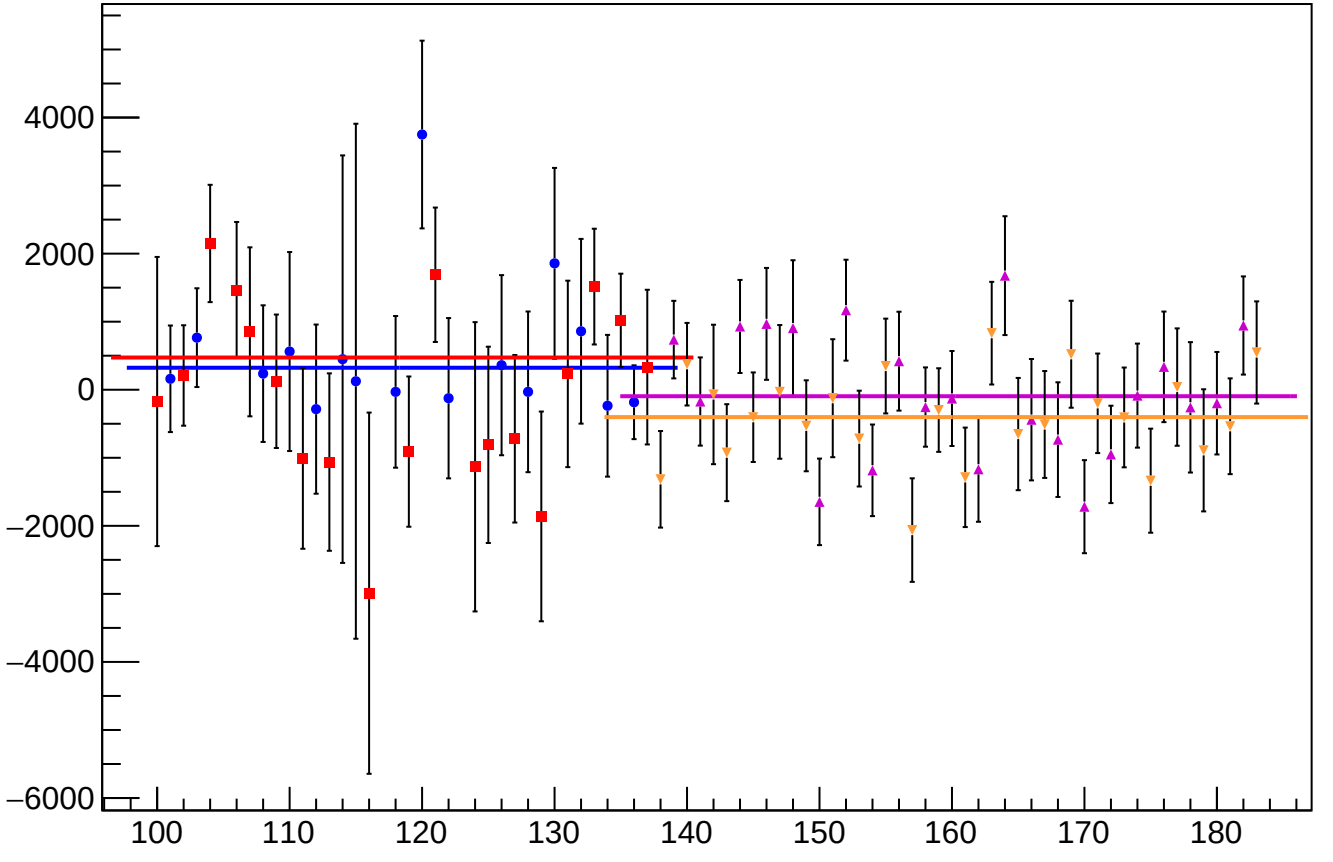
Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 676.397+/-0.097 χ^2/NDF:1319330.9/37

Out: 674.699+/-0.094 χ^2/NDF:1168599.7/42

All: 675.523+/-0.067 χ^2/NDF: 2488089.4/80

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -402.271+/-152.224 χ^2/NDF:19.8/23

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: -252.319+/-108.863 χ^2/NDF: 57.1/45

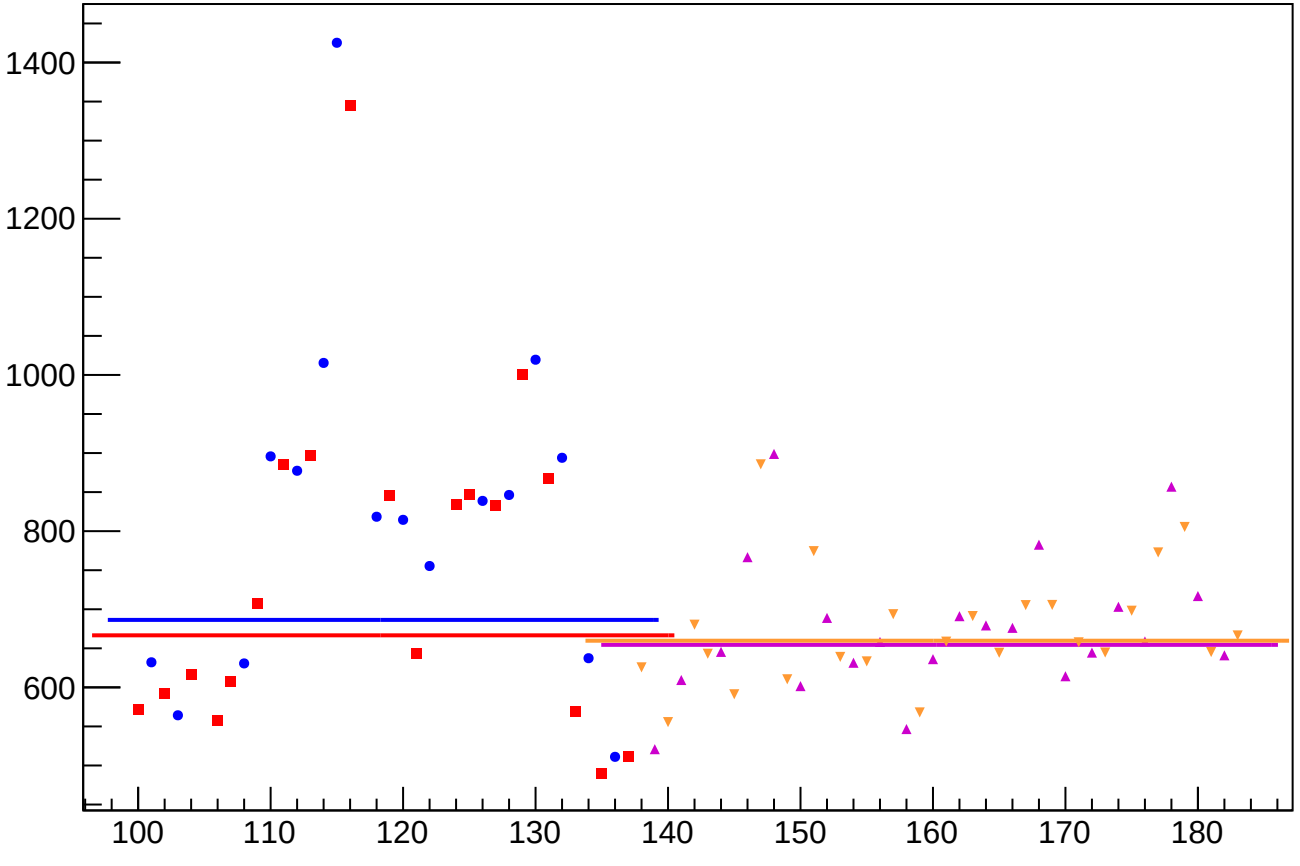
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 13.732+/-133.922 χ^2/NDF:47.0/37

Out: -167.297+/-130.204 χ^2/NDF:48.1/42

All: -79.331+/-93.355 χ^2/NDF: 96.0/80

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 659.744+/-0.108 χ^2/NDF:403734.5/23

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 654.457+/-0.110 χ^2/NDF:540902.8/21

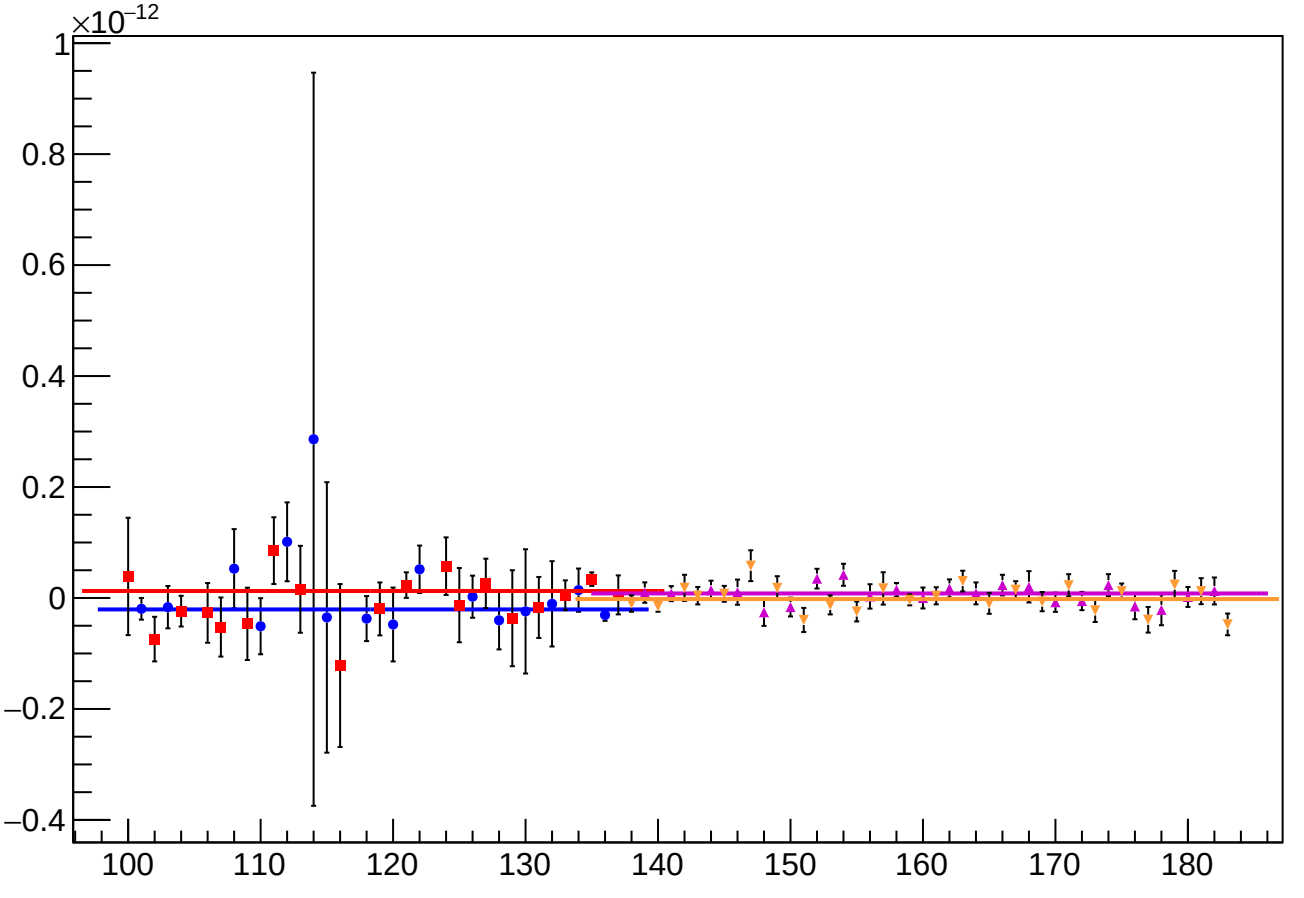
Left: 657.161+/-0.077 χ^2/NDF: 945815.7/45

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 662.781+/-0.095 χ^2/NDF:1312274.7/37

Out: 661.593+/-0.092 χ^2/NDF:1181868.0/42

All: 662.170+/-0.066 χ^2/NDF: 2494223.6/80



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/23

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: 50.8/45

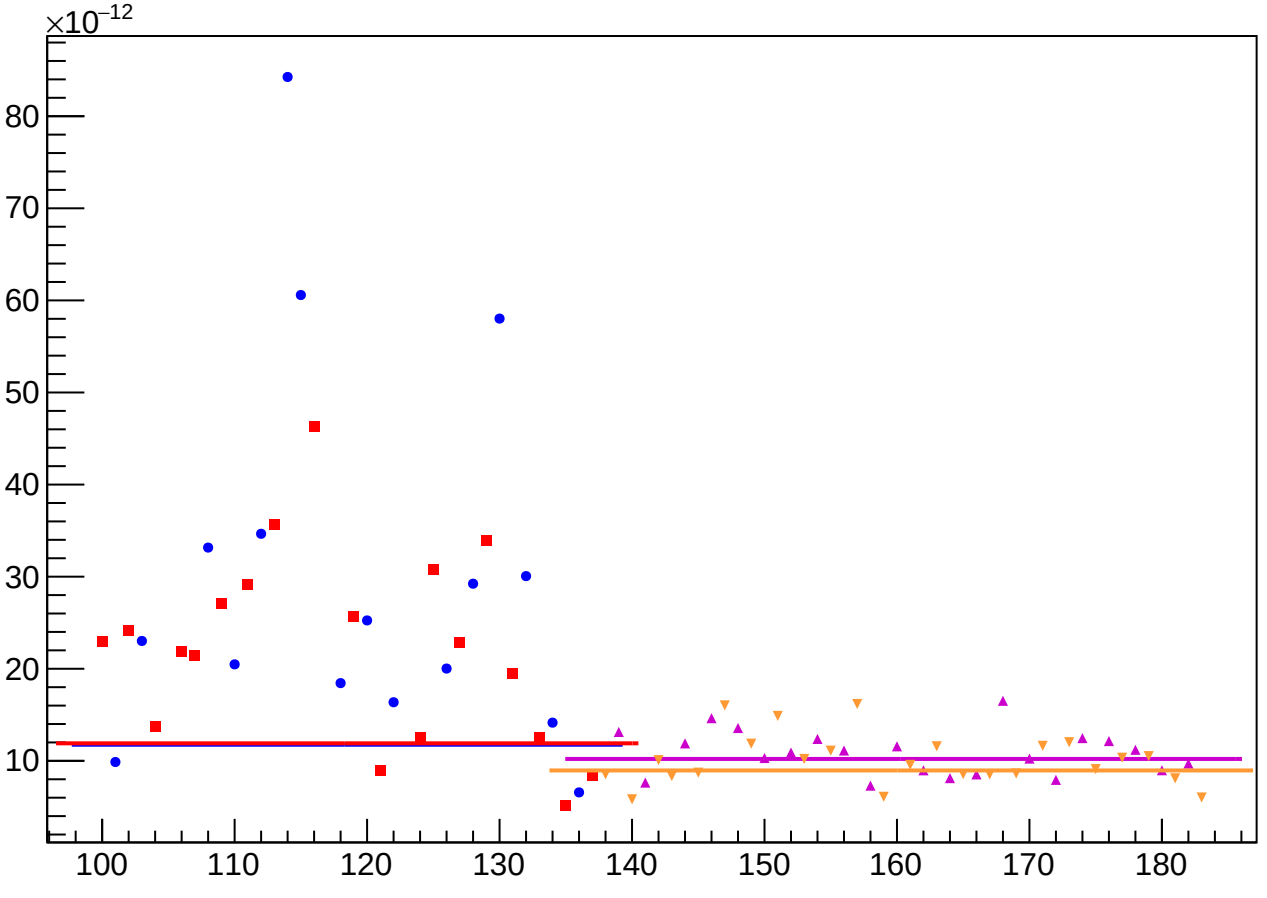
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:36.1/37

Out: 0.000+/-0.000 χ^2/NDF:51.7/42

All: 0.000+/-0.000 χ^2/NDF: 88.0/80

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1035681.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

Left In: 0.000+/-0.000 χ^2/NDF:650263.3/21

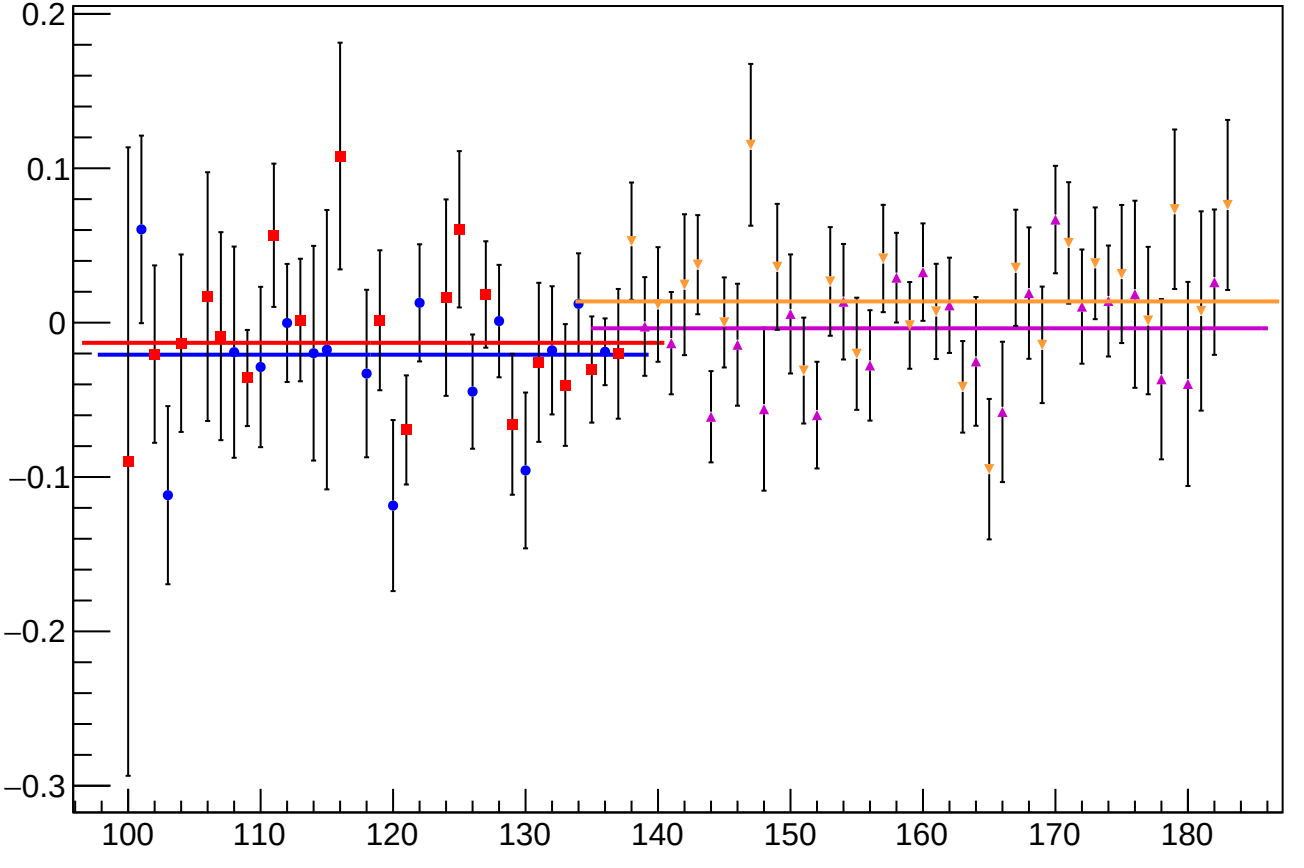
Left: 0.000+/-0.000 χ^2/NDF: 1799611.2/45

Right: 0.000+/-0.000 χ^2/NDF: 4364012.6/34

In: 0.000+/-0.000 χ^2/NDF:2873459.4/37

Out: 0.000+/-0.000 χ^2/NDF:3474353.5/42

All: 0.000+/-0.000 χ^2/NDF: 6453118.3/80



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.014+/-0.008 χ^2/NDF:24.0/23

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: 45.2/45

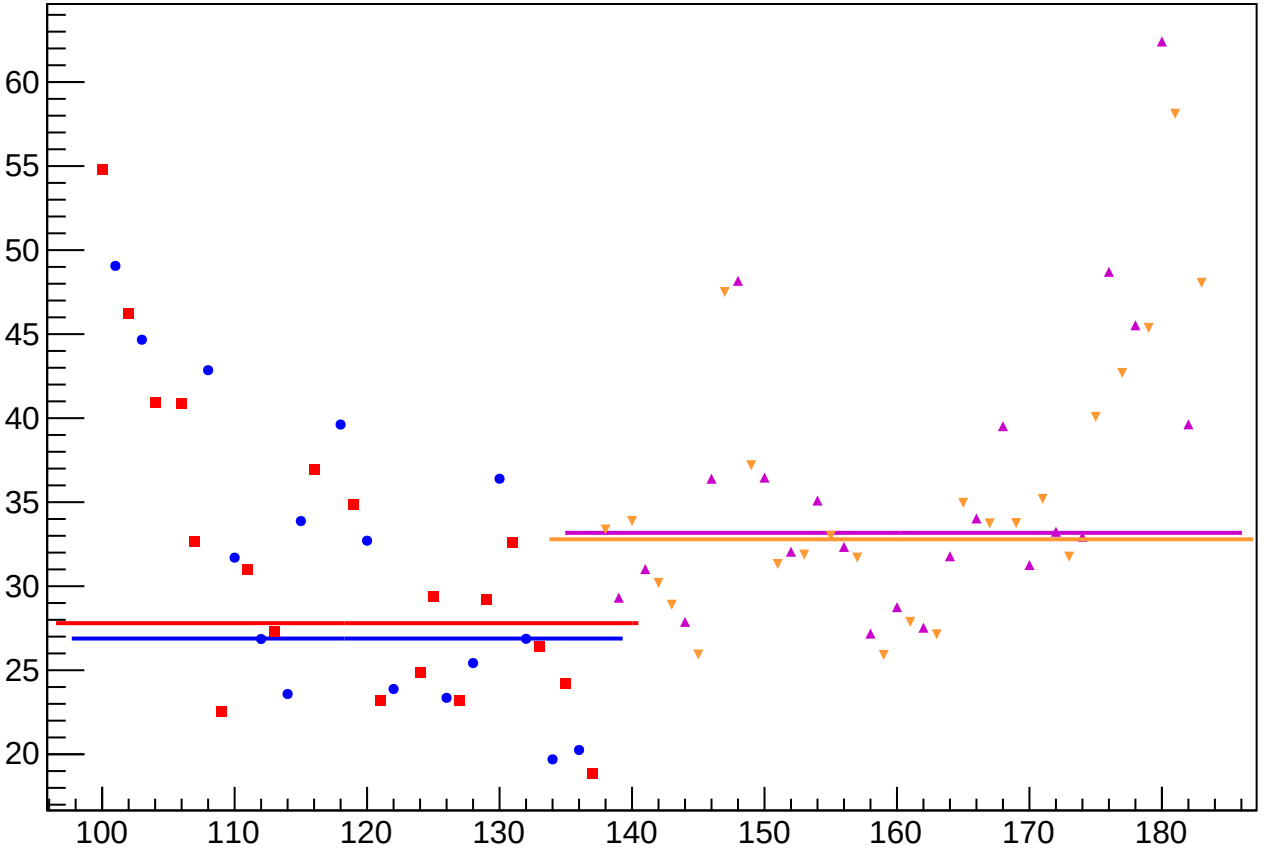
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:33.0/37

Out: 0.004+/-0.006 χ^2/NDF:42.1/42

All: -0.003+/-0.004 χ^2/NDF: 77.7/80

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: 32.791+/-0.005 χ^2/NDF:1315297.8/23

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 33.176+/-0.006 χ^2/NDF:1217847.8/21

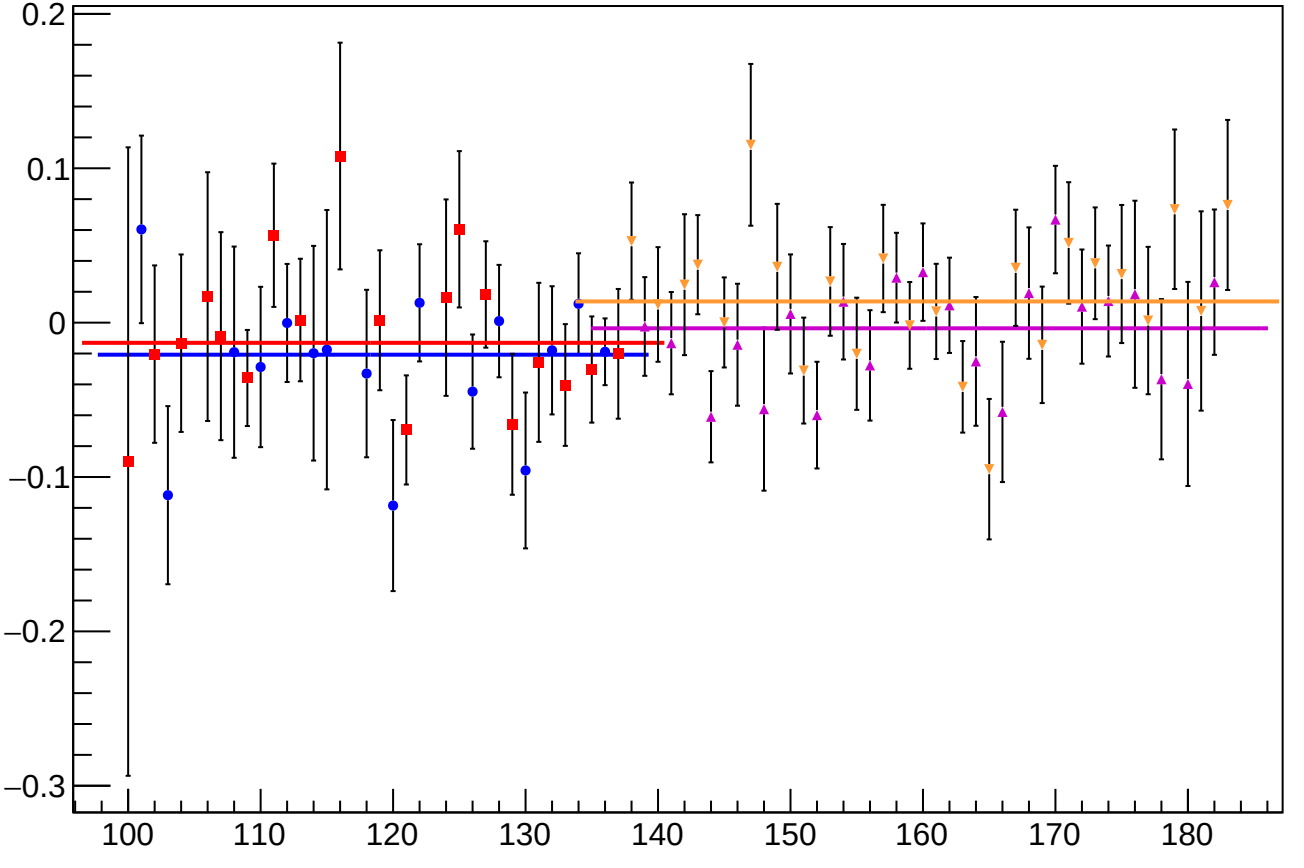
Left: 32.976+/-0.004 χ^2/NDF: 2535544.6/45

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 30.861+/-0.005 χ^2/NDF:2791169.2/37

Out: 31.057+/-0.004 χ^2/NDF:2370692.5/42

All: 30.961+/-0.003 χ^2/NDF: 5162835.6/80



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.014+/-0.008 χ^2/NDF:24.0/23

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:18.8/21

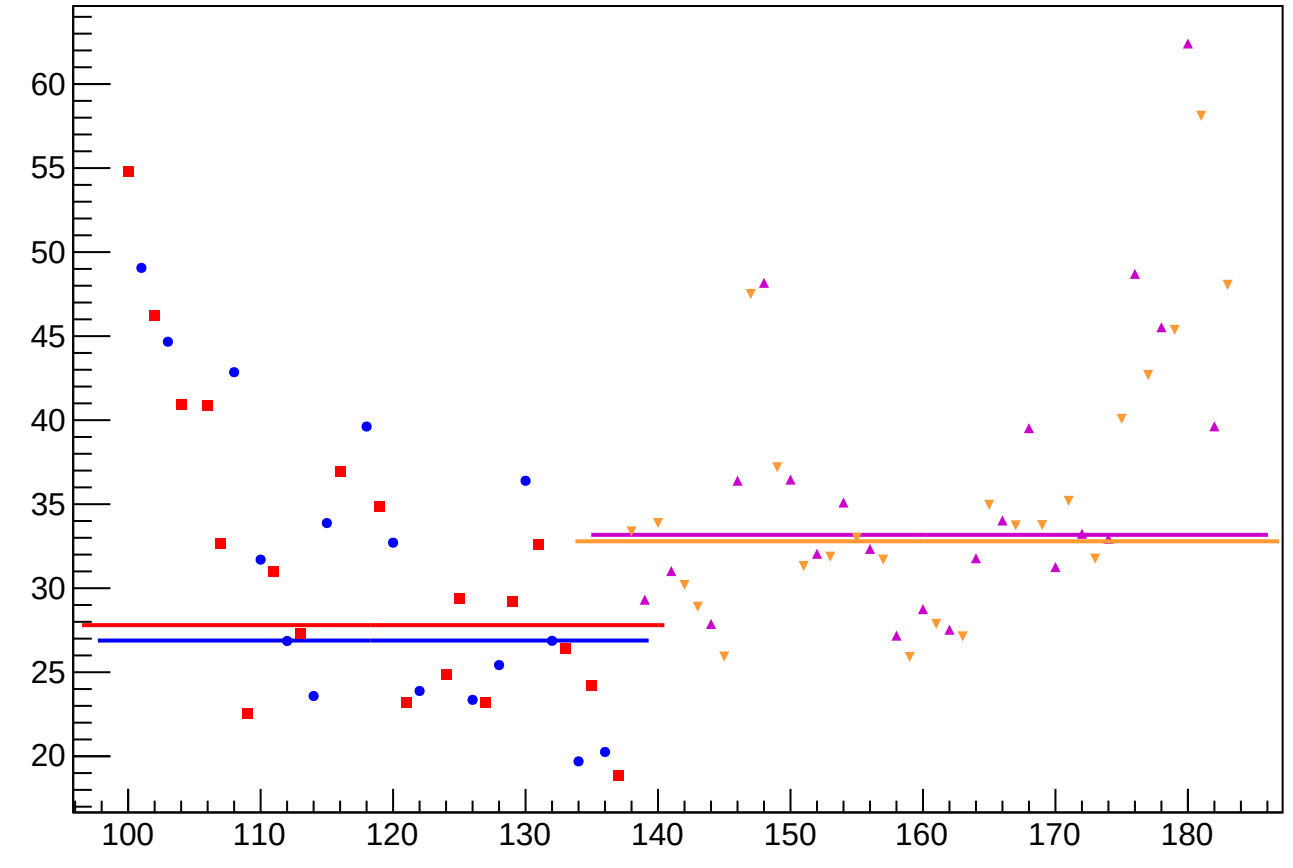
Left: 0.005+/-0.006 χ^2/NDF: 45.2/45

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:33.0/37

Out: 0.004+/-0.006 χ^2/NDF:42.1/42

All: -0.003+/-0.004 χ^2/NDF: 77.7/80



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.791+/-0.005 χ^2/NDF:1315297.8/23

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 33.176+/-0.006 χ^2/NDF:1217847.8/21

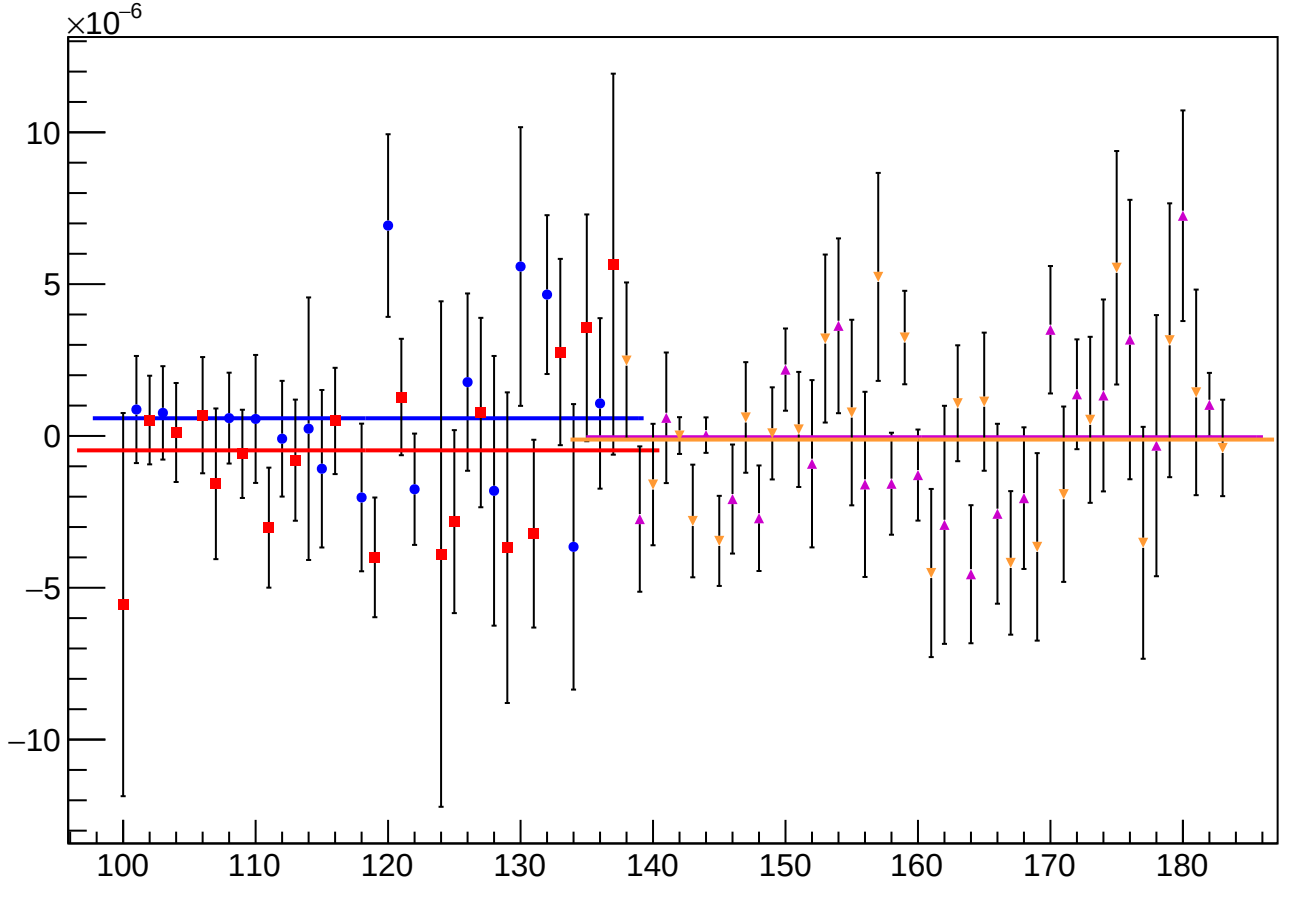
Left: 32.976+/-0.004 χ^2/NDF: 2535544.6/45

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 30.861+/-0.005 χ^2/NDF:2791169.2/37

Out: 31.057+/-0.004 χ^2/NDF:2370692.5/42

All: 30.961+/-0.003 χ^2/NDF: 5162835.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:26.8/21

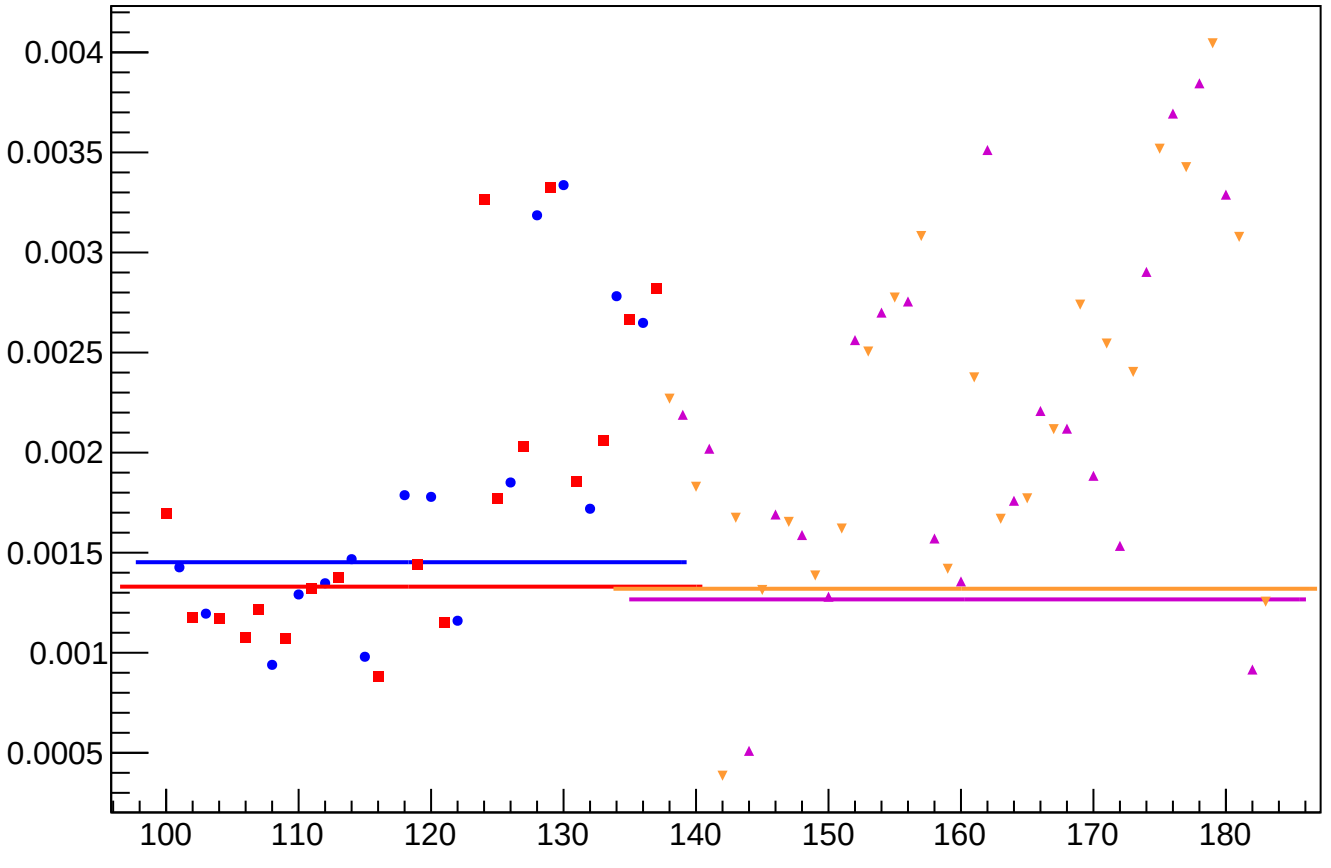
Left: -0.000+/-0.000 χ^2/NDF: 56.1/45

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:40.3/37

Out: -0.000+/-0.000 χ^2/NDF:42.9/42

All: -0.000+/-0.000 χ^2/NDF: 83.9/80



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:11010306.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.001+/-0.000 χ^2/NDF:9717408.9/21

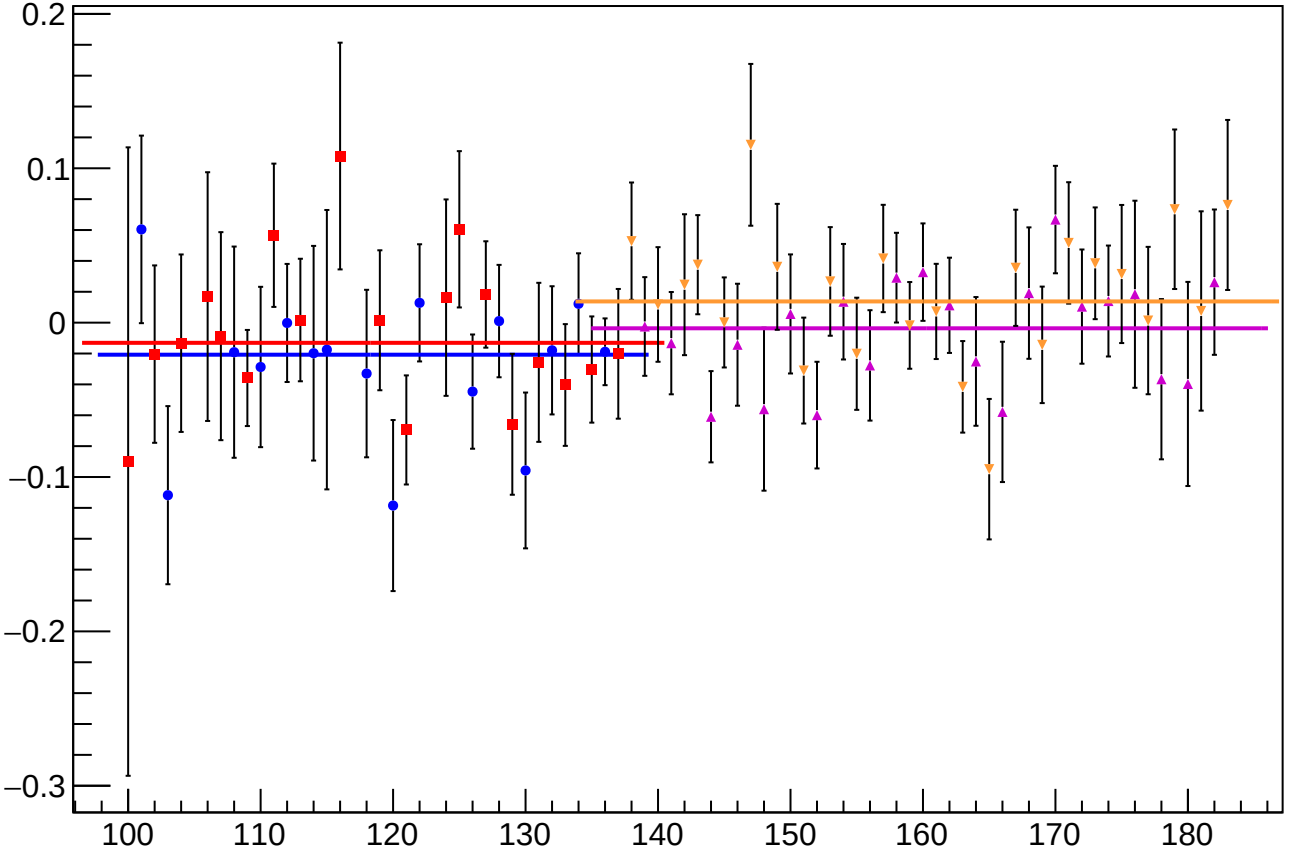
Left: 0.001+/-0.000 χ^2/NDF: 20749439.4/45

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:12413676.3/42

All: 0.001+/-0.000 χ^2/NDF: 23992466.4/80



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.014+/-0.008 χ^2/NDF:24.0/23

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: 45.2/45

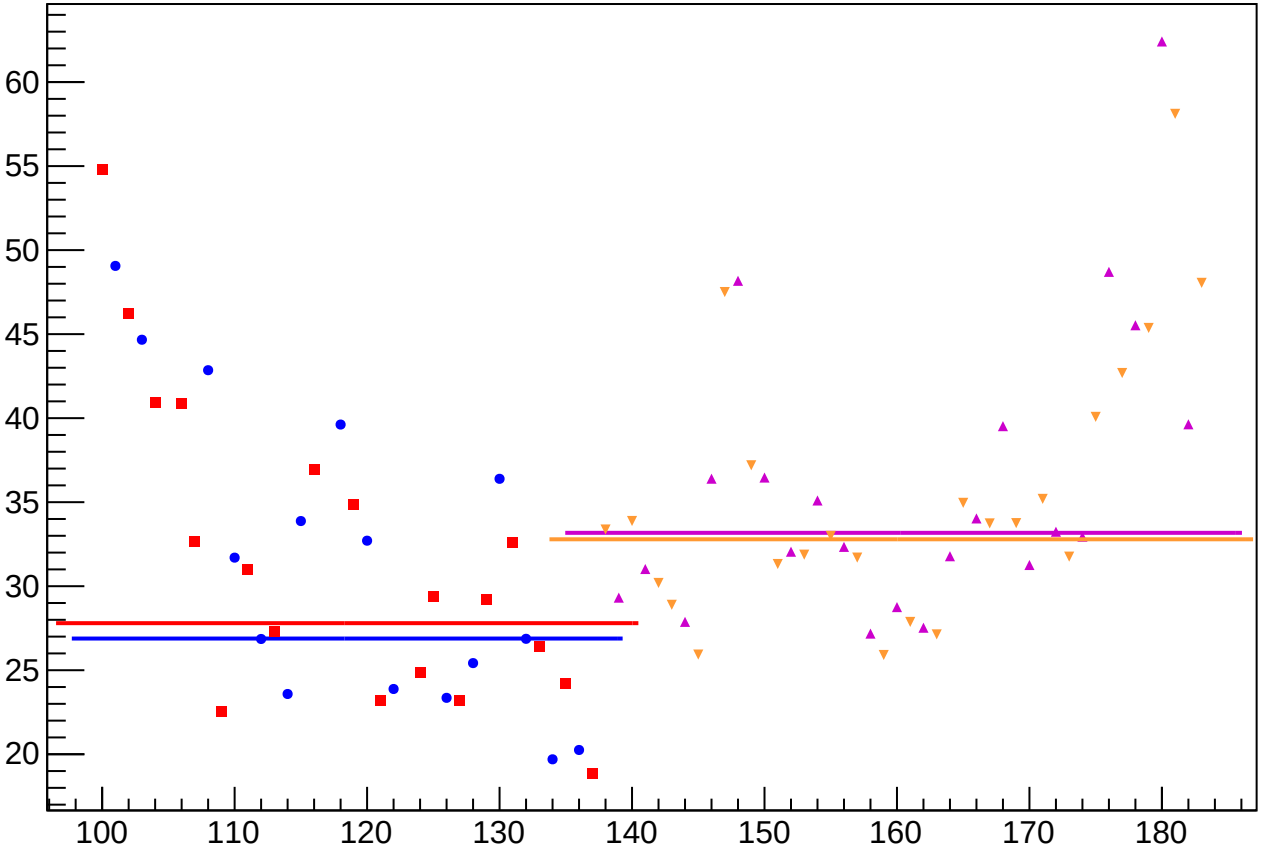
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:33.0/37

Out: 0.004+/-0.006 χ^2/NDF:42.1/42

All: -0.003+/-0.004 χ^2/NDF: 77.7/80

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.791+/-0.005 χ^2/NDF:1315368.2/23

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: 32.976+/-0.004 χ^2/NDF: 2535685.4/45

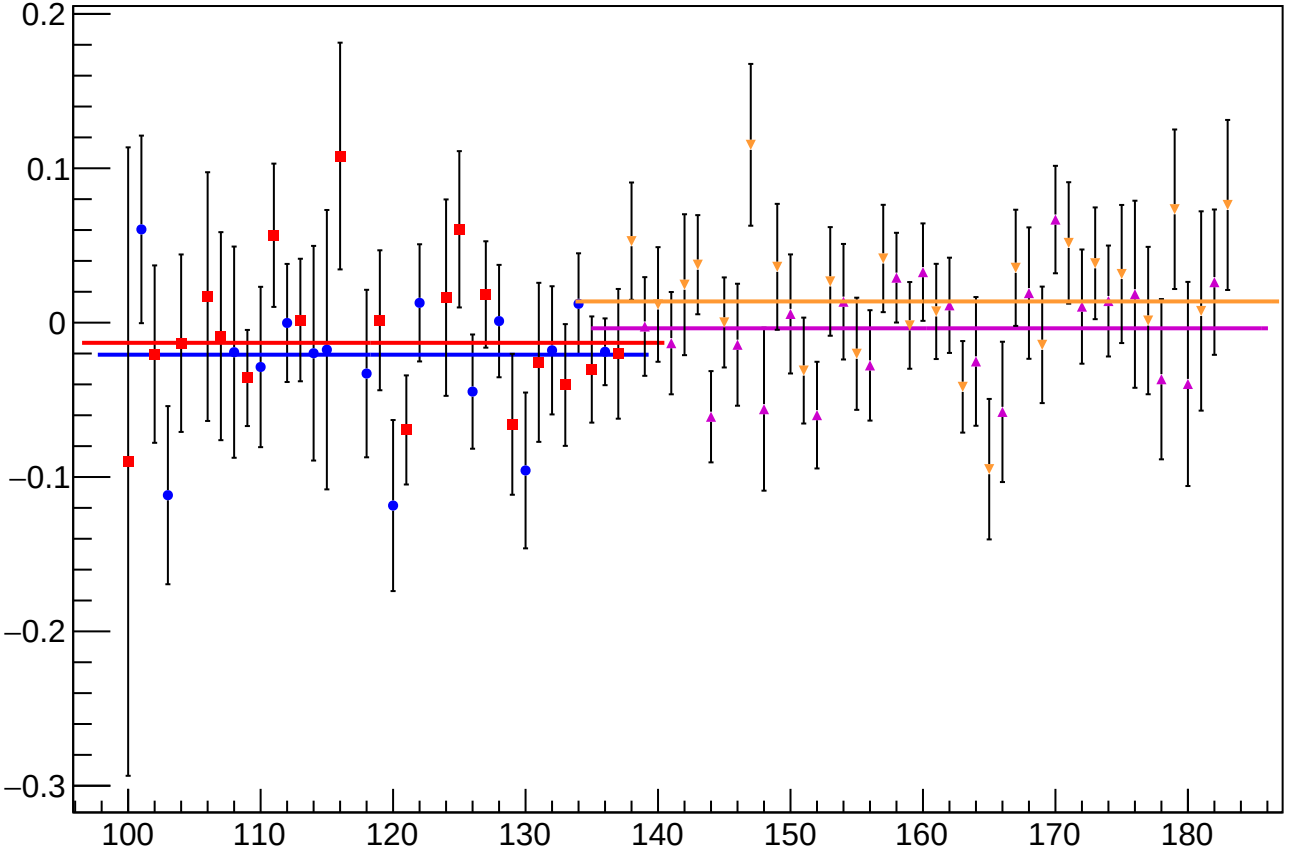
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 30.860+/-0.005 χ^2/NDF:2791395.1/37

Out: 31.056+/-0.004 χ^2/NDF:2371036.9/42

All: 30.961+/-0.003 χ^2/NDF: 5163403.8/80

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: 0.014+/-0.008 χ^2/NDF:24.0/23

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: 45.2/45

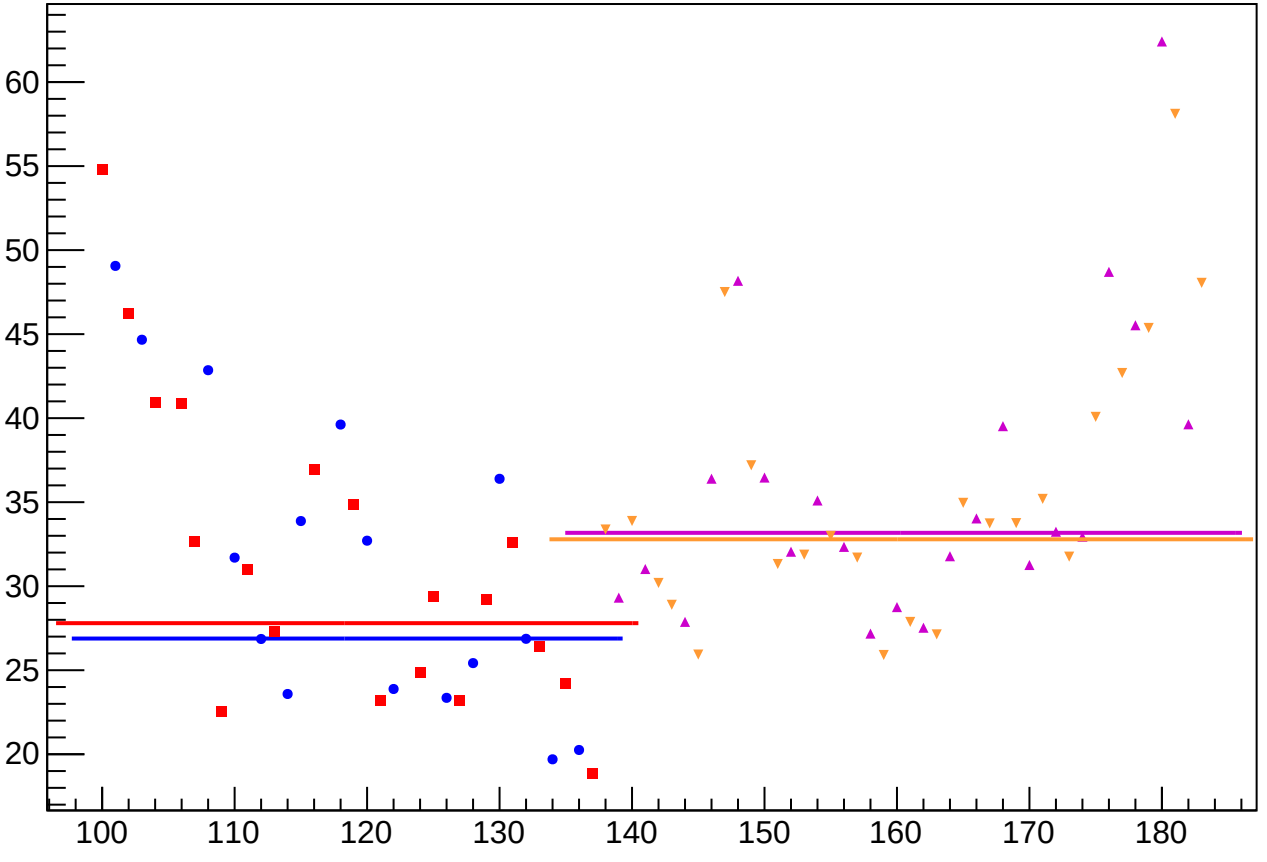
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:33.0/37

Out: 0.004+/-0.006 χ^2/NDF:42.1/42

All: -0.003+/-0.004 χ^2/NDF: 77.7/80

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.791+/-0.005 χ^2/NDF:1315368.2/23

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 33.176+/-0.006 χ^2/NDF:1217917.0/21

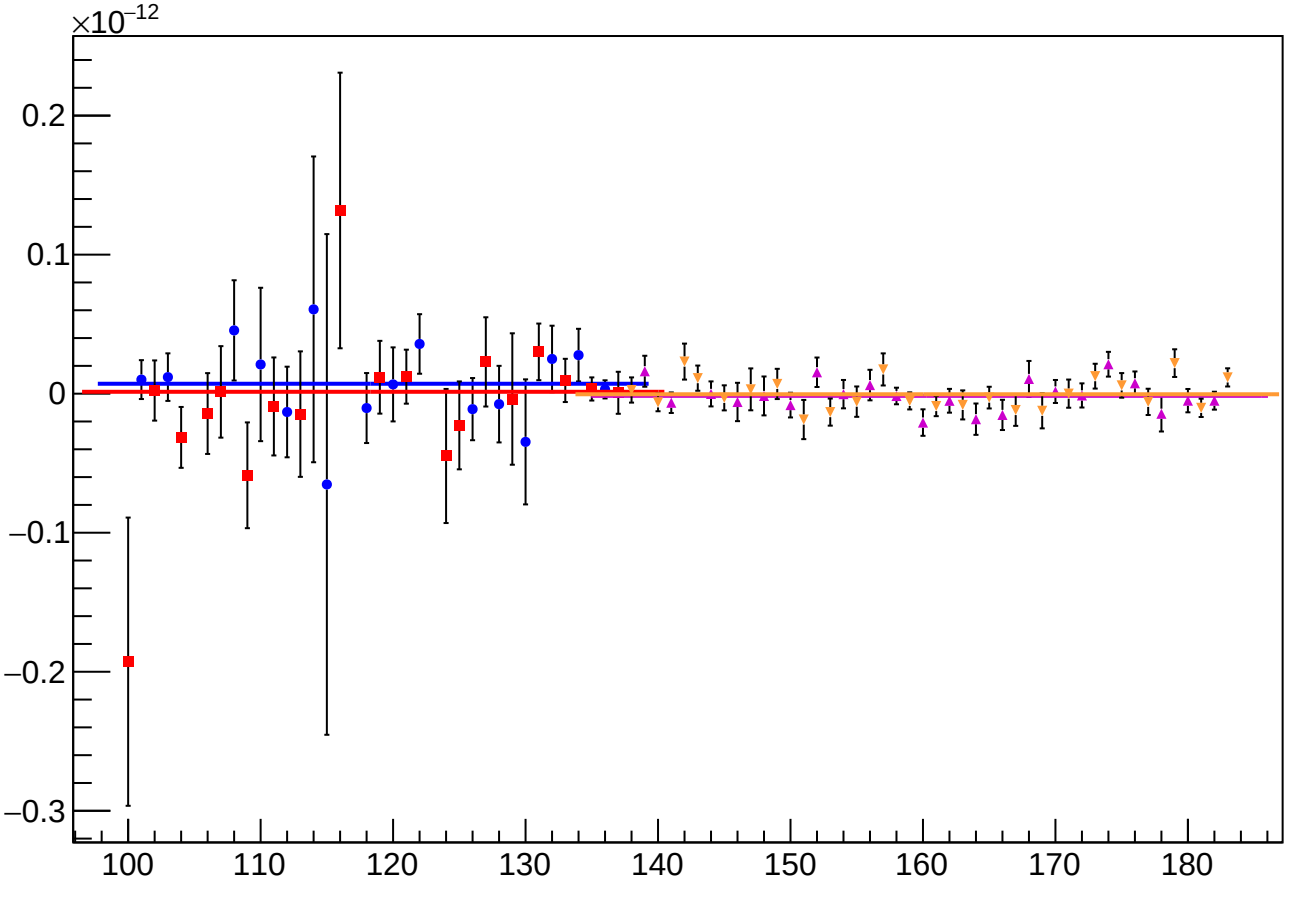
Left: 32.976+/-0.004 χ^2/NDF: 2535685.4/45

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 30.860+/-0.005 χ^2/NDF:2791395.1/37

Out: 31.056+/-0.004 χ^2/NDF:2371036.9/42

All: 30.961+/-0.003 χ^2/NDF: 5163403.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:24.9/21

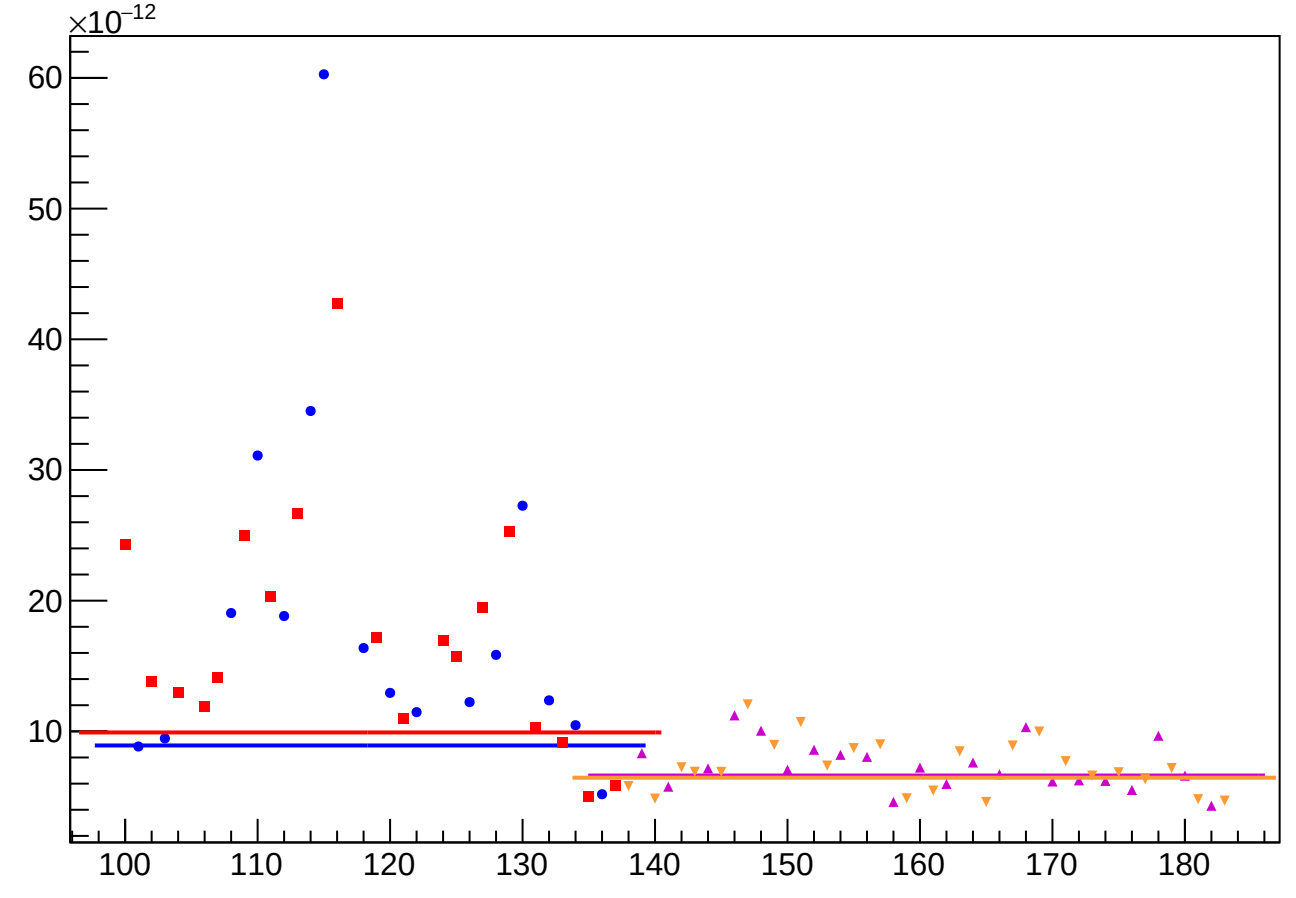
Left: -0.000+/-0.000 χ^2/NDF: 55.8/45

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:46.0/42

All: -0.000+/-0.000 χ^2/NDF: 82.3/80



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1842433.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1427103.8/21

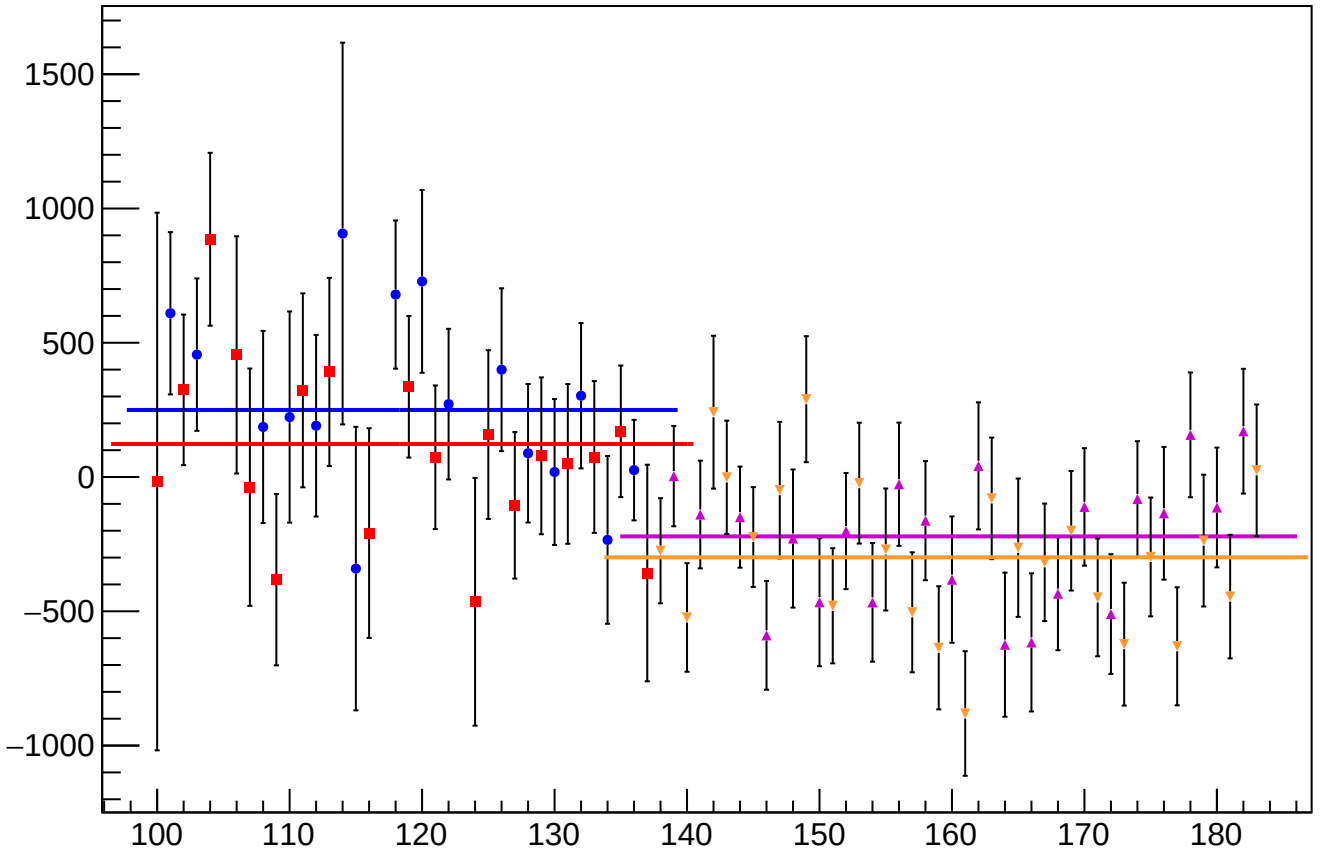
Left: 0.000+/-0.000 χ^2/NDF: 3277220.5/45

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:5373712.4/42

All: 0.000+/-0.000 χ^2/NDF: 9634171.3/80



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -298.946+/-45.872 χ^2/NDF:33.9/23

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -221.046+/-47.474 χ^2/NDF:23.7/21

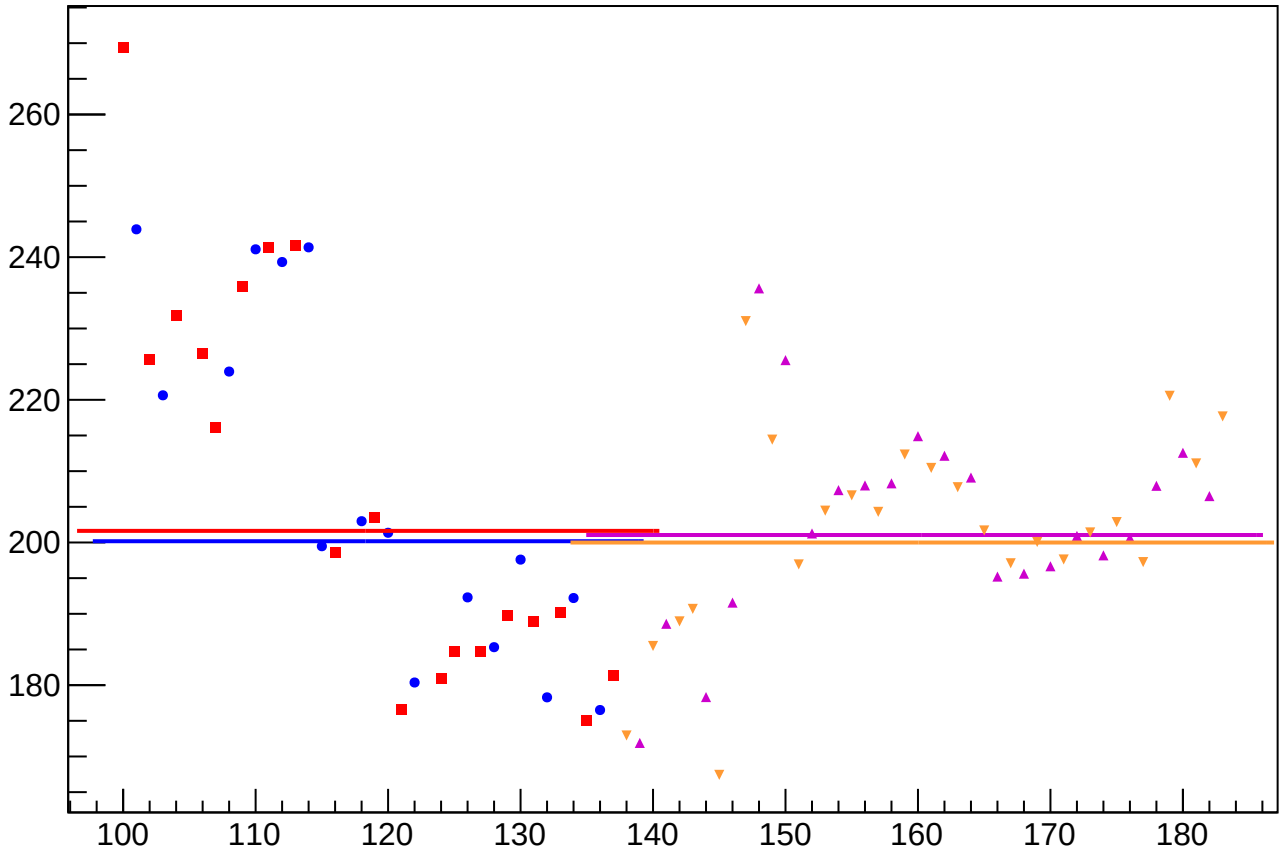
Left: -261.333+/-32.988 χ^2/NDF: 59.0/45

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -86.054+/-40.094 χ^2/NDF:65.7/37

Out: -182.659+/-39.043 χ^2/NDF:72.8/42

All: -135.640+/-27.972 χ^2/NDF: 141.4/80



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 199.994+/-0.032 χ^2/NDF:200466.0/23

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: 200.503+/-0.023 χ^2/NDF: 378635.8/45

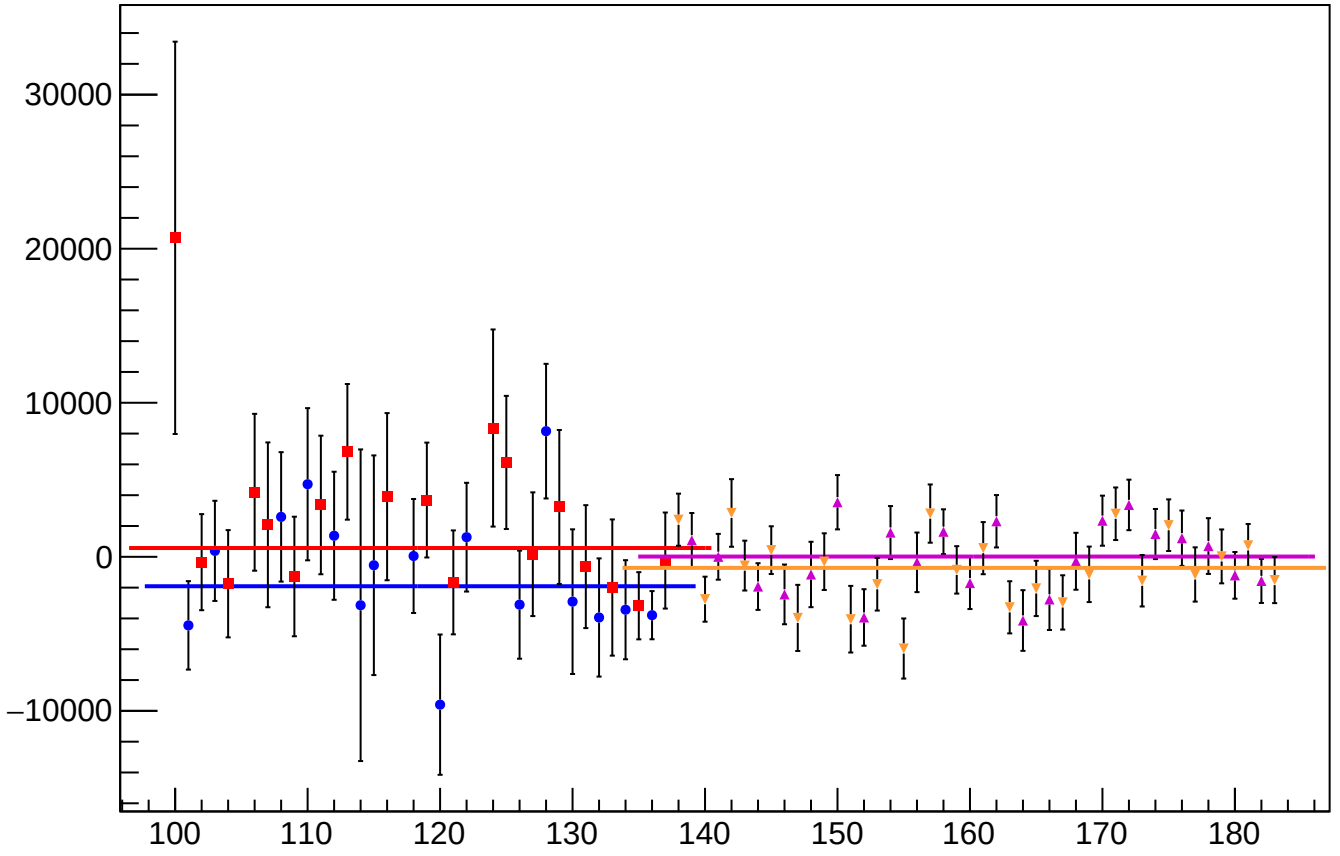
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 200.799+/-0.028 χ^2/NDF:358854.5/37

Out: 200.444+/-0.028 χ^2/NDF:398409.9/42

All: 200.617+/-0.020 χ^2/NDF: 757344.5/80

asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -717.655+/-349.904 χ^2/NDF:38.3/23

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: -364.703+/-252.139 χ^2/NDF: 73.8/45

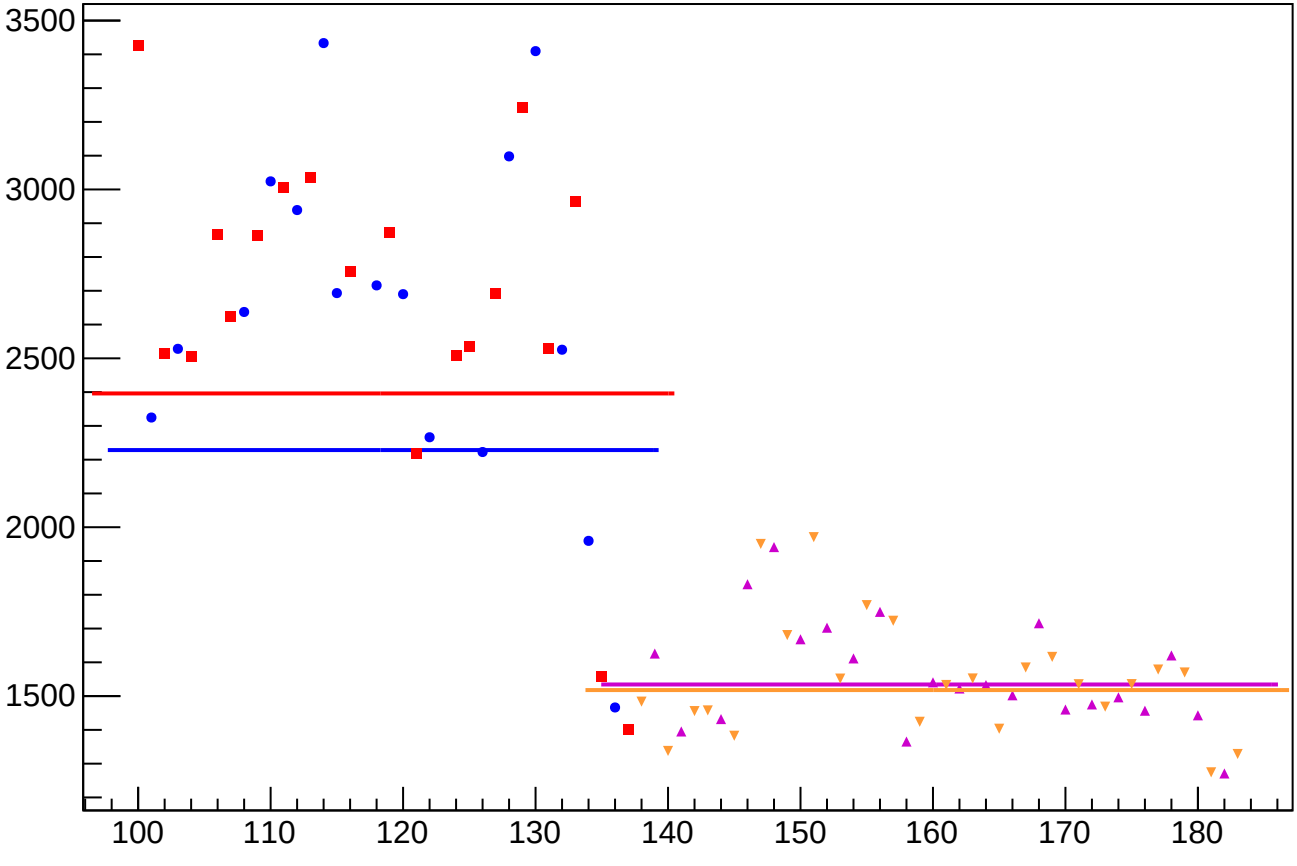
Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -276.271+/-334.883 χ^2/NDF:54.0/37

Out: -548.603+/-326.145 χ^2/NDF:54.7/42

All: -416.036+/-233.648 χ^2/NDF: 109.0/80

asym_sam_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1517.844+/-0.247 χ^2/NDF:418114.2/23

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1534.410+/-0.257 χ^2/NDF:347626.0/21

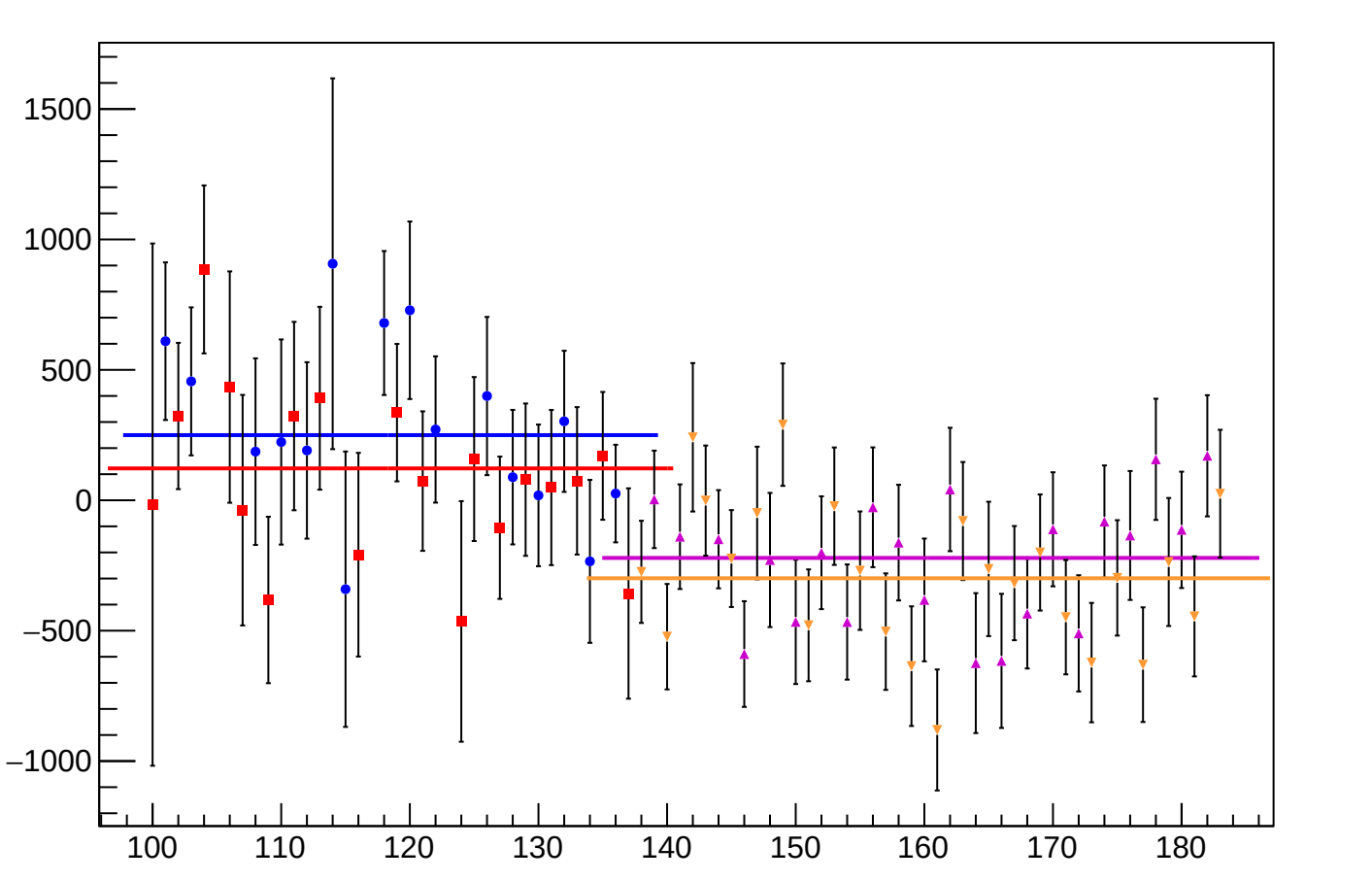
Left: 1525.808+/-0.178 χ^2/NDF: 767895.5/45

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1639.869+/-0.237 χ^2/NDF:2402210.1/37

Out: 1633.060+/-0.231 χ^2/NDF:2870494.0/42

All: 1636.375+/-0.165 χ^2/NDF: 5273128.4/80



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -298.945+/-45.872 χ^2/NDF:33.9/23

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -221.054+/-47.474 χ^2/NDF:23.7/21

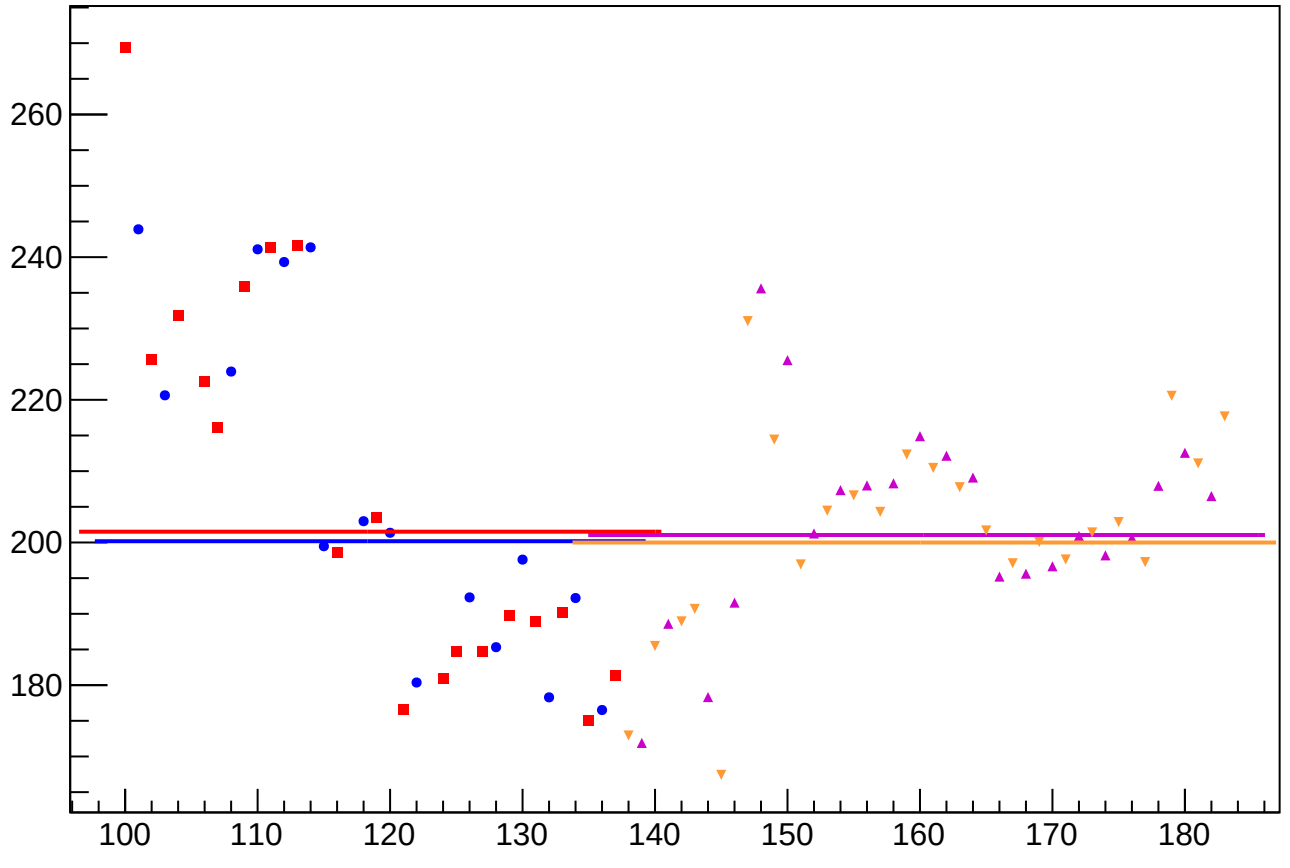
Left: -261.335+/-32.988 χ^2/NDF: 59.0/45

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -86.058+/-40.094 χ^2/NDF:65.7/37

Out: -182.897+/-39.044 χ^2/NDF:72.6/42

All: -135.762+/-27.972 χ^2/NDF: 141.2/80



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 199.994+/-0.032 χ^2/NDF:200466.0/23

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 201.049+/-0.034 χ^2/NDF:177659.8/21

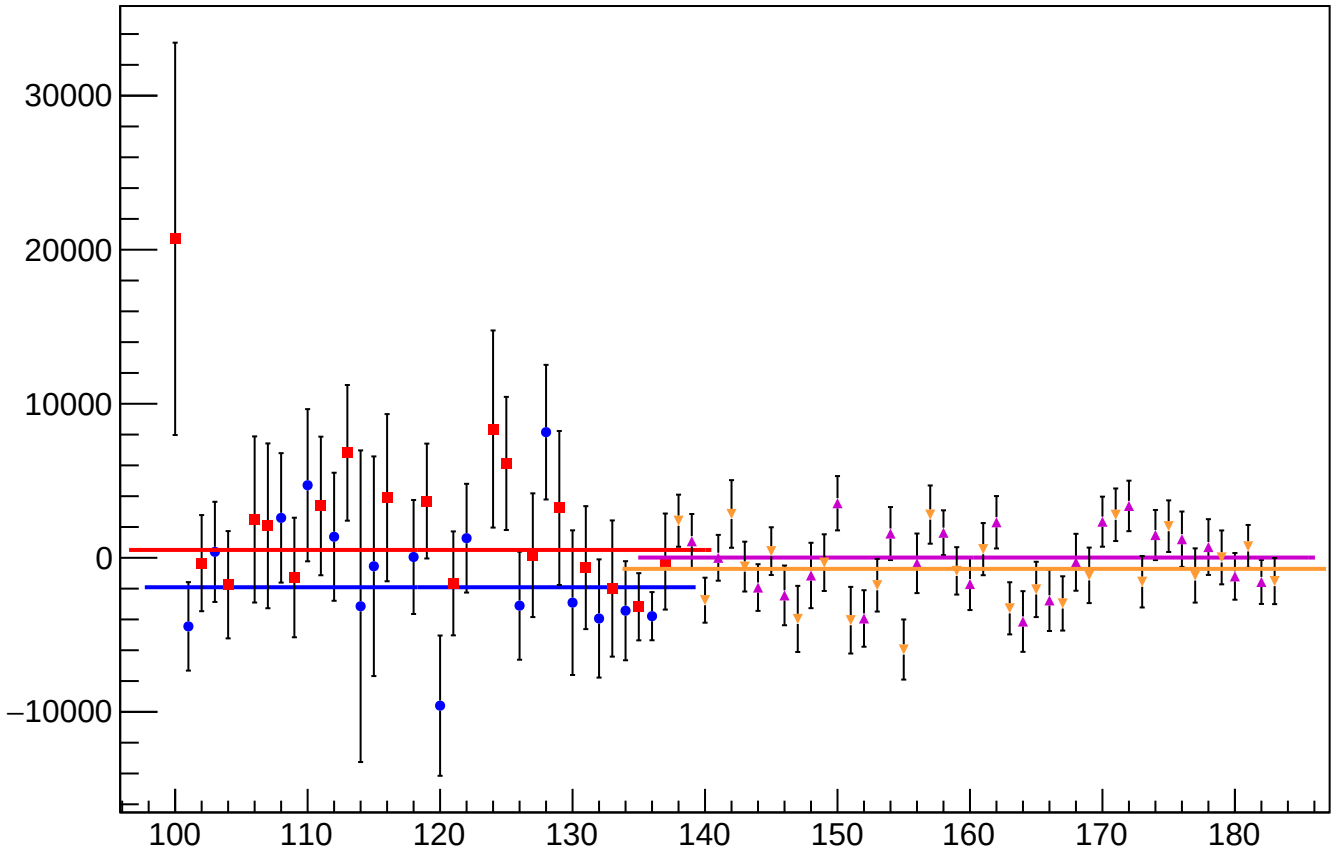
Left: 200.503+/-0.023 χ^2/NDF: 378635.8/45

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.799+/-0.028 χ^2/NDF:358854.8/37

Out: 200.413+/-0.028 χ^2/NDF:396502.1/42

All: 200.601+/-0.020 χ^2/NDF: 755451.8/80



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -717.656+/-349.904 χ^2/NDF:38.3/23

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 16.524+/-363.650 χ^2/NDF:33.4/21

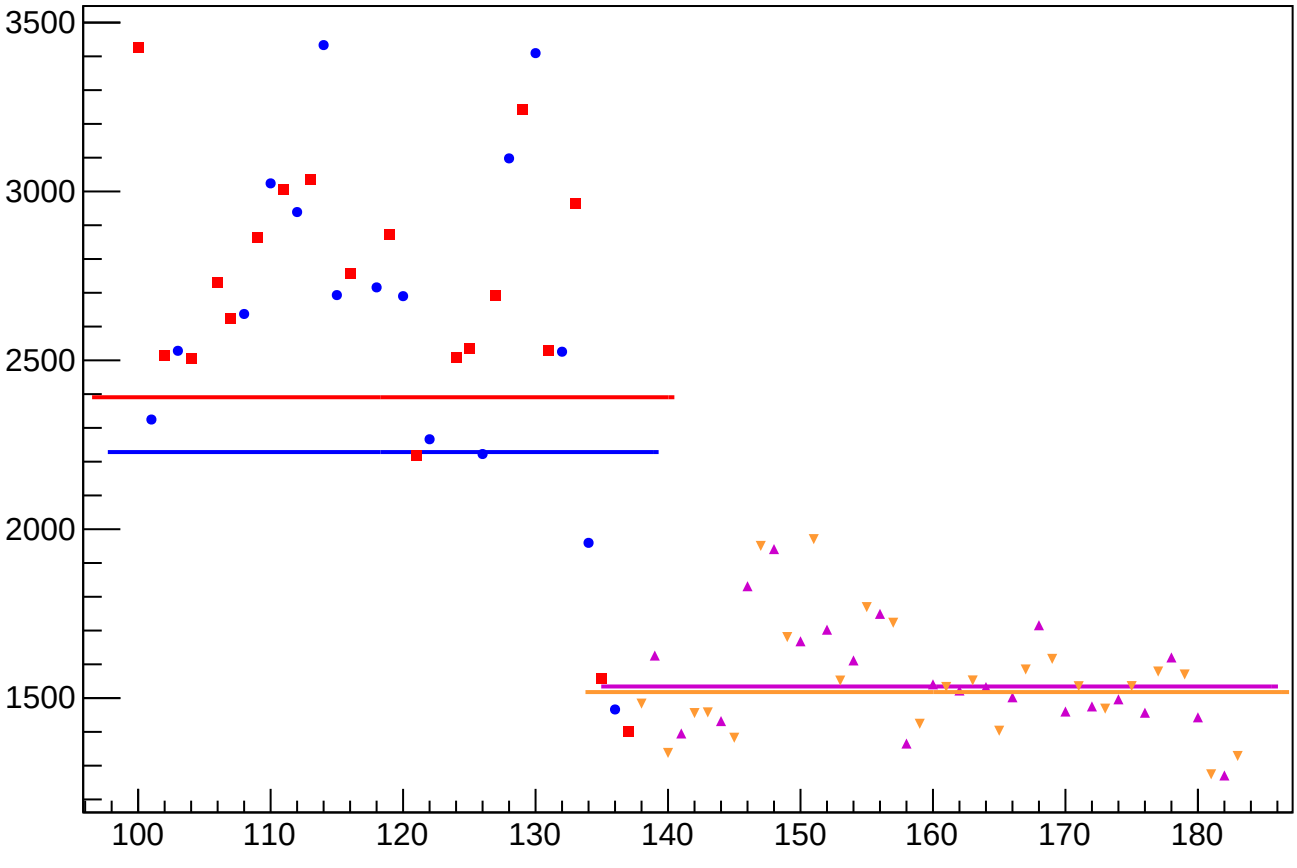
Left: -364.704+/-252.139 χ^2/NDF: 73.8/45

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -276.265+/-334.883 χ^2/NDF:54.0/37

Out: -556.917+/-326.220 χ^2/NDF:54.1/42

All: -420.268+/-233.675 χ^2/NDF: 108.5/80



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1517.844+/-0.247 χ^2/NDF:418114.8/23

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1534.411+/-0.257 χ^2/NDF:347625.4/21

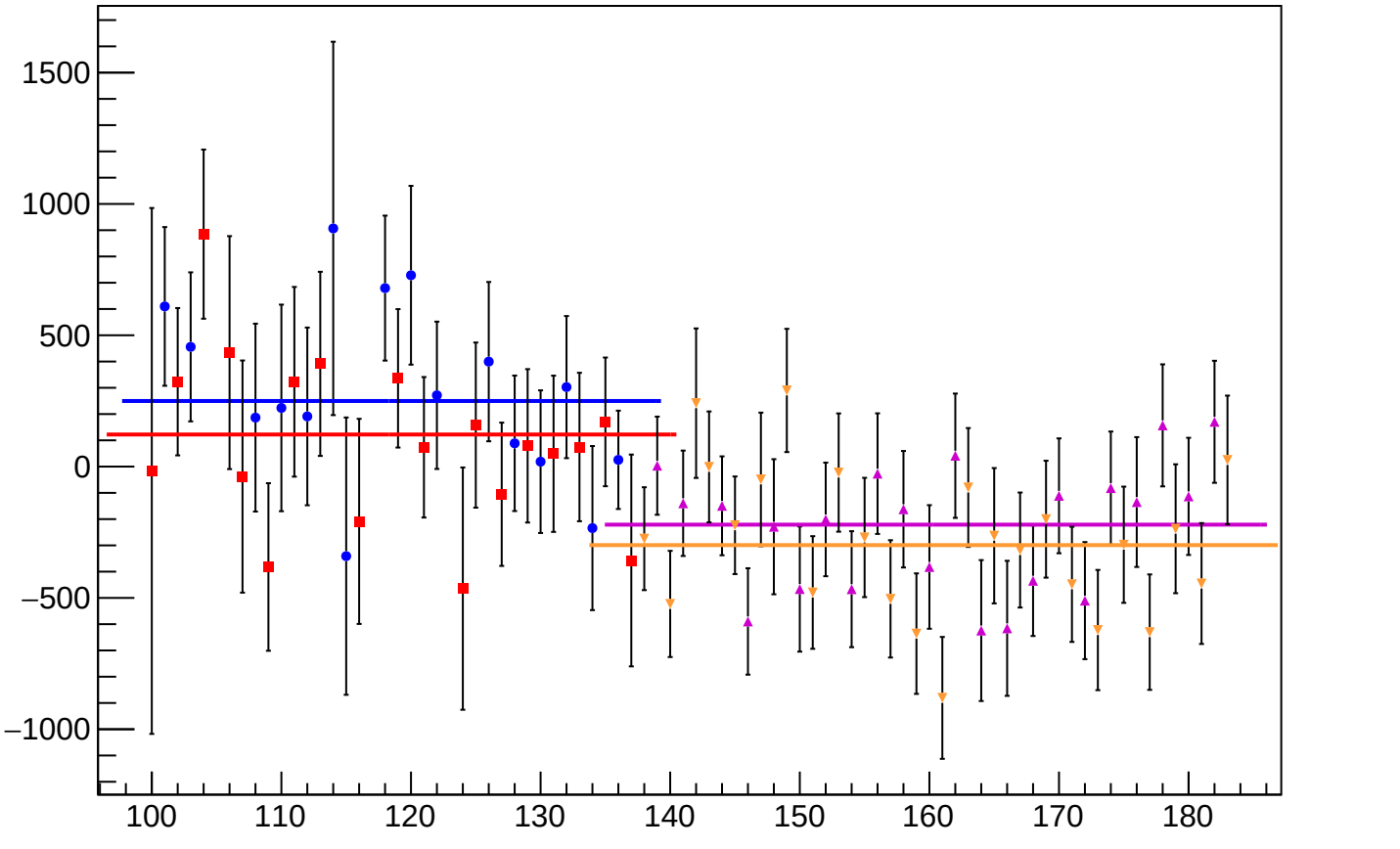
Left: 1525.808+/-0.178 χ^2/NDF: 767895.6/45

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1639.870+/-0.237 χ^2/NDF:2402220.5/37

Out: 1632.014+/-0.231 χ^2/NDF:2836069.2/42

All: 1635.839+/-0.165 χ^2/NDF: 5238854.6/80



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -298.945+/-45.872 χ^2/NDF:33.9/23

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -221.054+/-47.474 χ^2/NDF:23.7/21

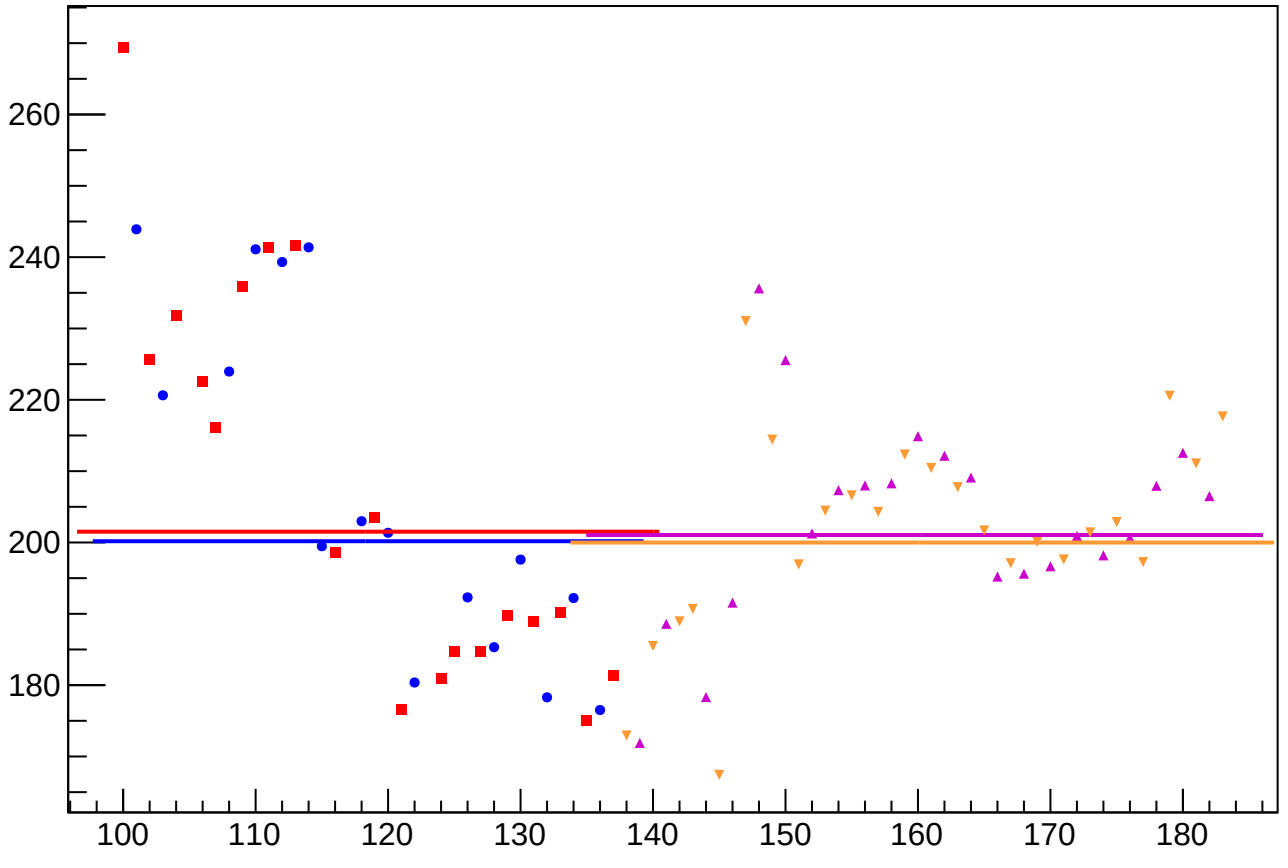
Left: -261.335+/-32.988 χ^2/NDF: 59.0/45

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -86.058+/-40.094 χ^2/NDF:65.7/37

Out: -182.897+/-39.044 χ^2/NDF:72.6/42

All: -135.762+/-27.972 χ^2/NDF: 141.2/80



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 199.994+/-0.032 χ^2/NDF:200466.0/23

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: 200.503+/-0.023 χ^2/NDF: 378635.8/45

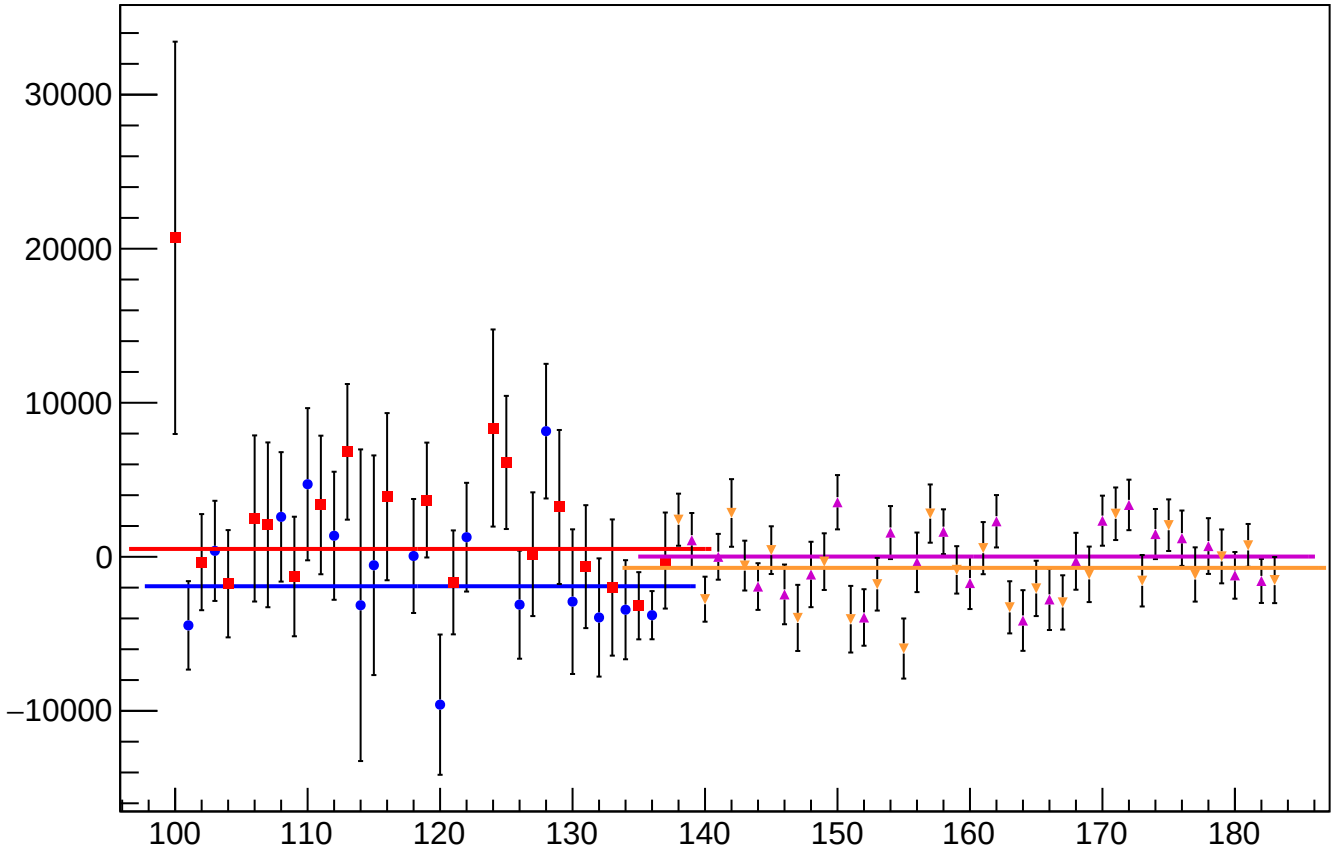
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.799+/-0.028 χ^2/NDF:358854.8/37

Out: 200.413+/-0.028 χ^2/NDF:396502.1/42

All: 200.601+/-0.020 χ^2/NDF: 755451.8/80

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -717.656+/-349.904 χ^2/NDF:38.3/23

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 16.524+/-363.650 χ^2/NDF:33.4/21

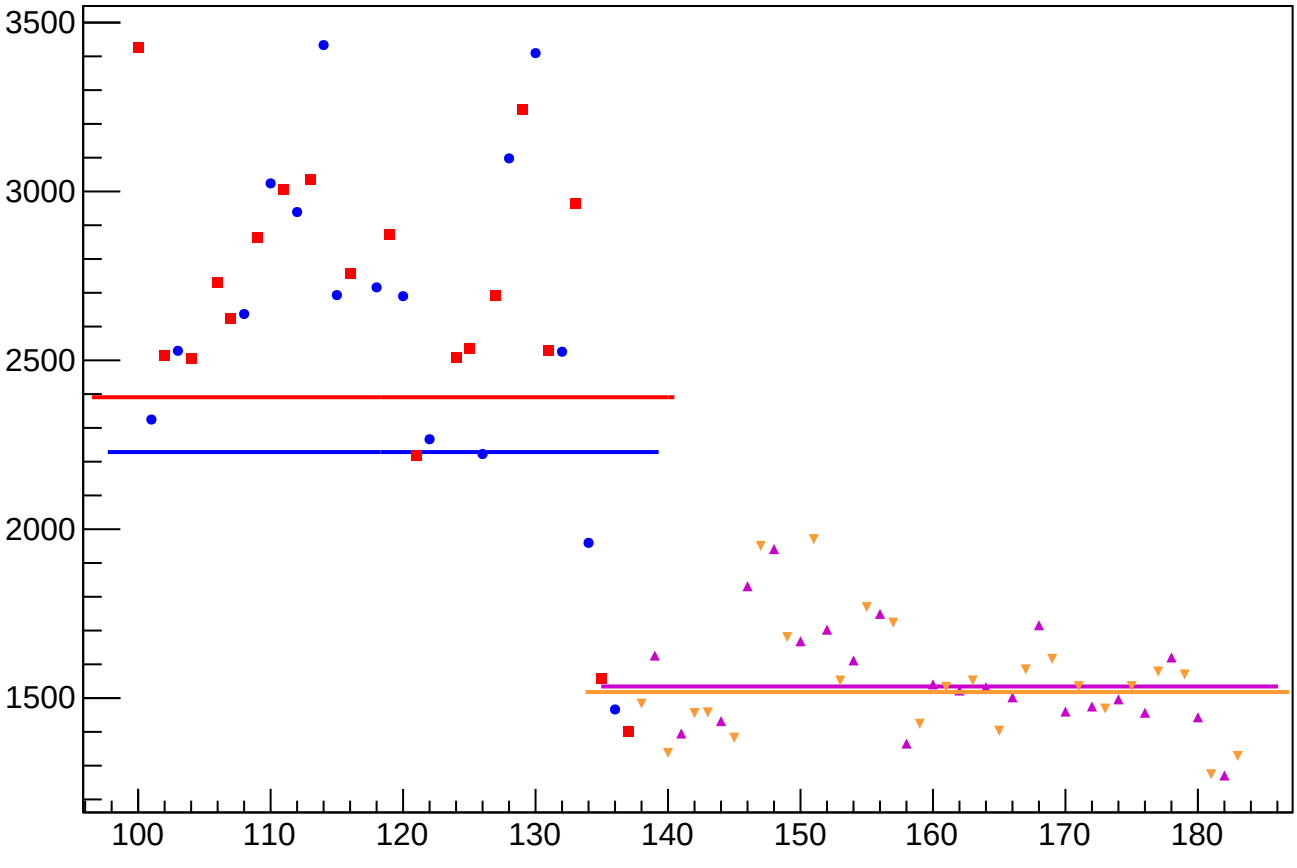
Left: -364.704+/-252.139 χ^2/NDF: 73.8/45

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -276.265+/-334.883 χ^2/NDF:54.0/37

Out: -556.917+/-326.220 χ^2/NDF:54.1/42

All: -420.268+/-233.675 χ^2/NDF: 108.5/80



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1517.844+/-0.247 χ^2/NDF:418114.8/23

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: 1525.808+/-0.178 χ^2/NDF: 767895.6/45

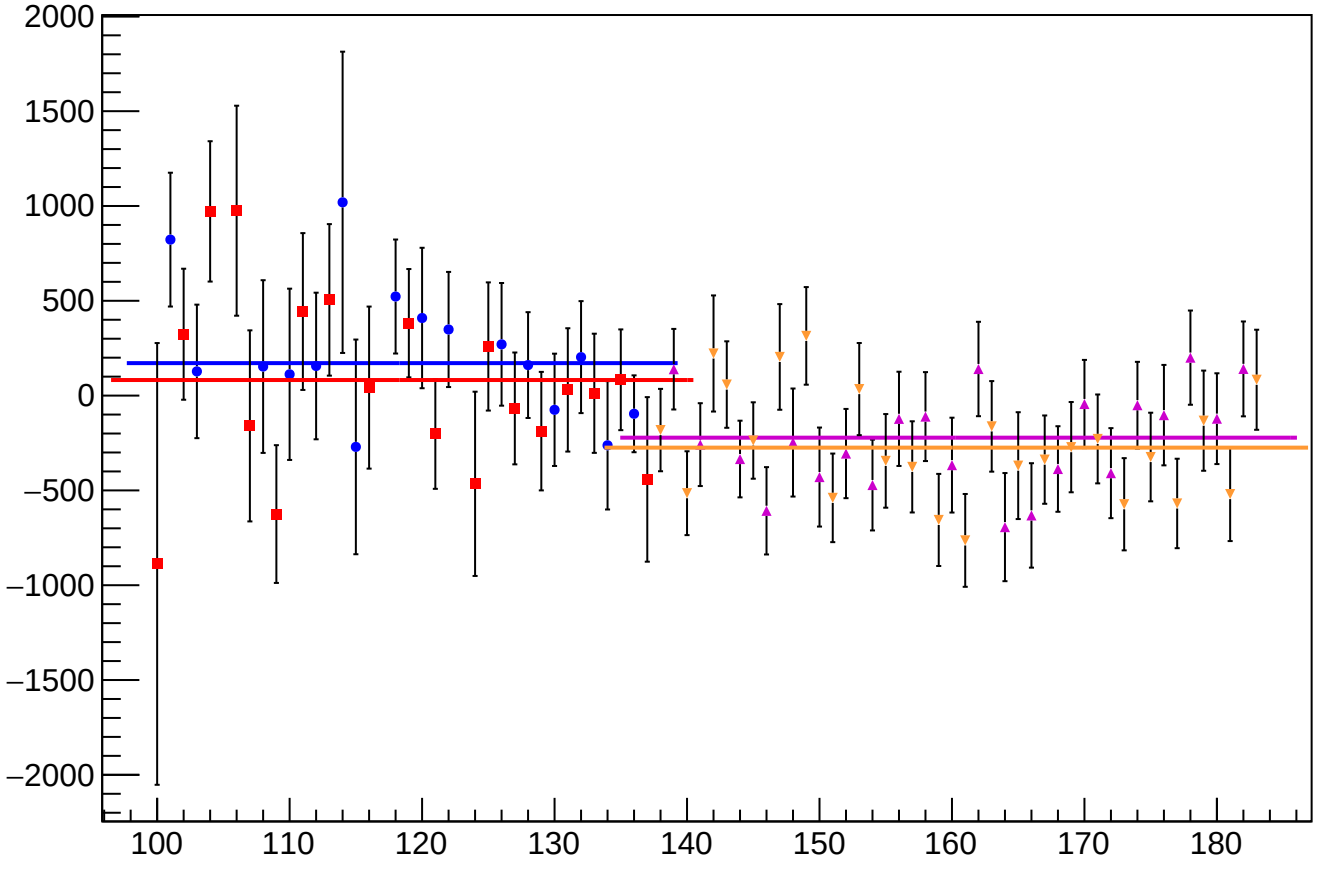
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1639.870+/-0.237 χ^2/NDF:2402220.5/37

Out: 1632.014+/-0.231 χ^2/NDF:2836069.2/42

All: 1635.839+/-0.165 χ^2/NDF: 5238854.6/80

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -274.438+/-49.425 χ^2/NDF:30.6/23

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -221.885+/-51.314 χ^2/NDF:23.3/21

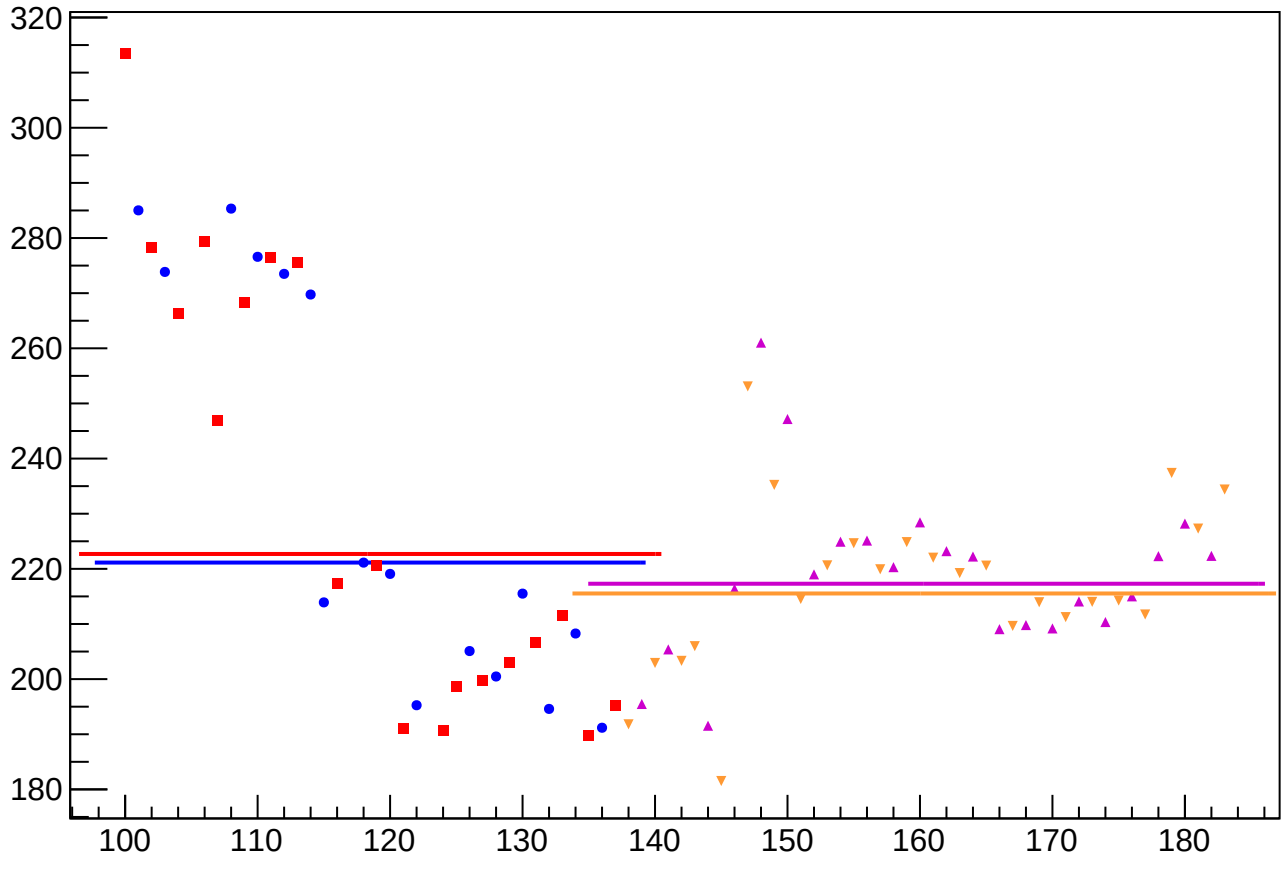
Left: -249.146+/-35.598 χ^2/NDF: 54.5/45

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -113.390+/-43.663 χ^2/NDF:51.0/37

Out: -180.333+/-42.405 χ^2/NDF:66.0/42

All: -147.840+/-30.420 χ^2/NDF: 118.2/80



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 215.532+/-0.035 χ^2/NDF:182988.0/23

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 217.299+/-0.036 χ^2/NDF:157503.6/21

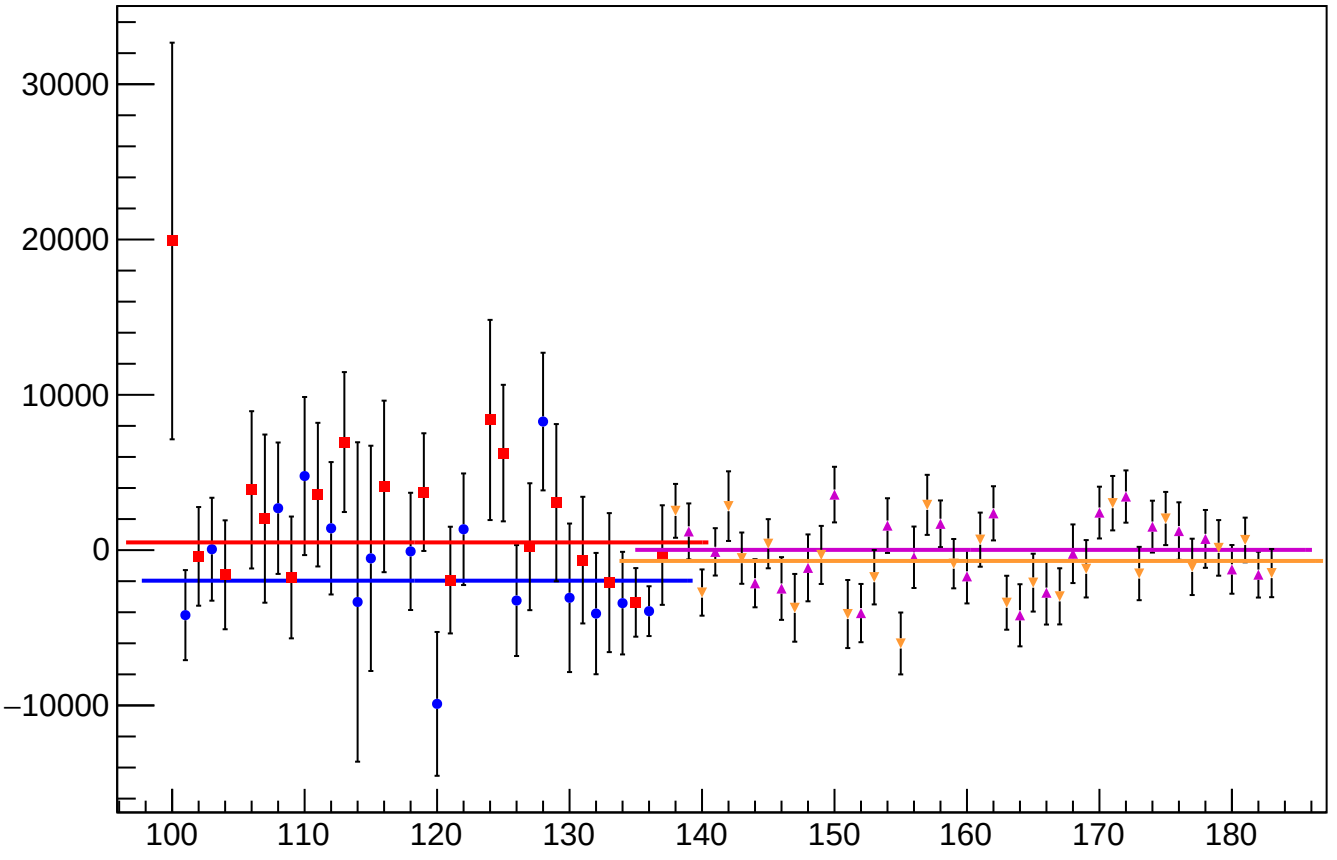
Left: 216.383+/-0.025 χ^2/NDF: 341722.1/45

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 218.359+/-0.031 χ^2/NDF:479296.1/37

Out: 217.423+/-0.030 χ^2/NDF:521113.0/42

All: 217.877+/-0.022 χ^2/NDF: 1000882.0/80



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -696.159+/-358.911 χ^2/NDF:37.6/23

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: 16.369+/-373.337 χ^2/NDF:33.4/21

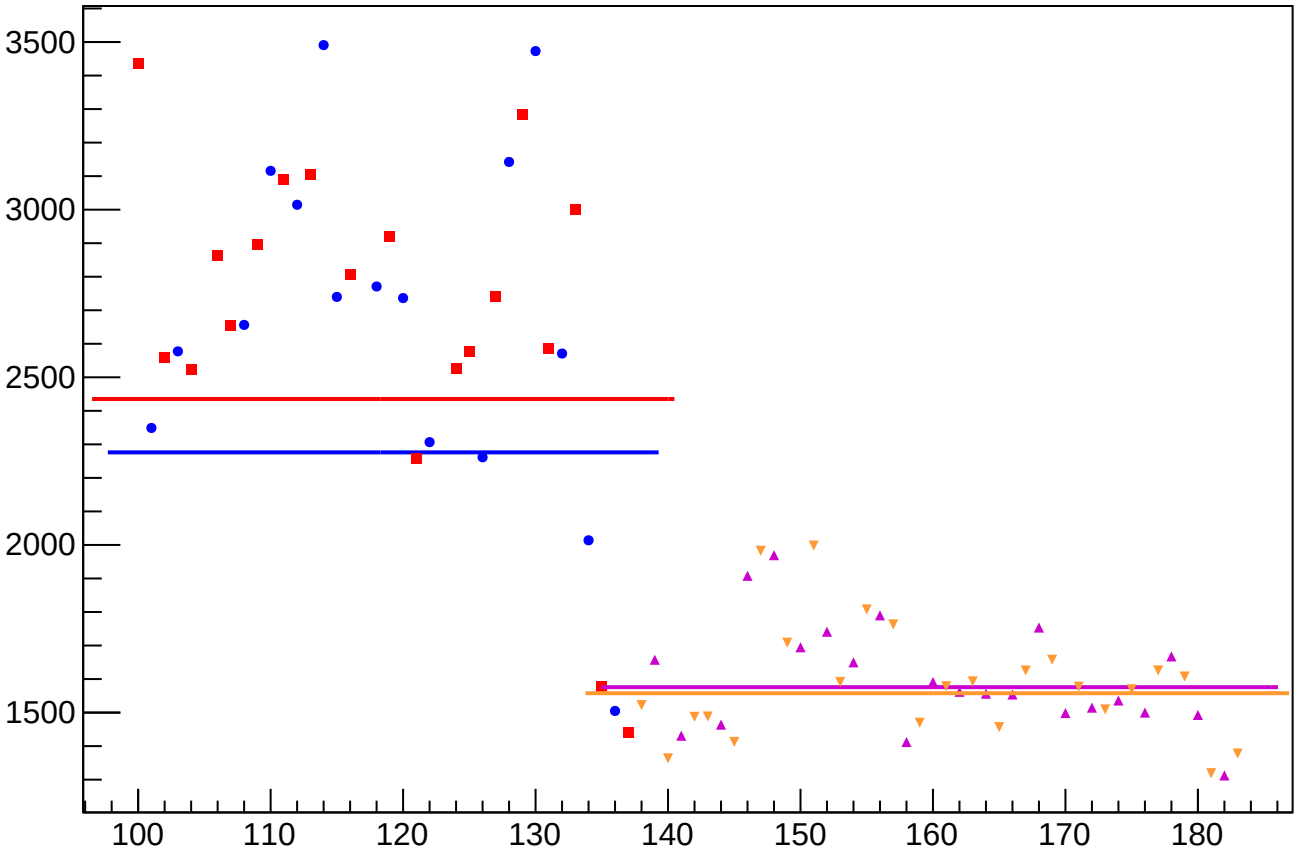
Left: -353.926+/-258.738 χ^2/NDF: 72.9/45

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -288.206+/-343.484 χ^2/NDF:53.9/37

Out: -536.946+/-334.114 χ^2/NDF:53.8/42

All: -416.015+/-239.498 χ^2/NDF: 108.0/80



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1557.792+/-0.254 χ^2/NDF:391446.1/23

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: 1566.452+/-0.183 χ^2/NDF: 726316.6/45

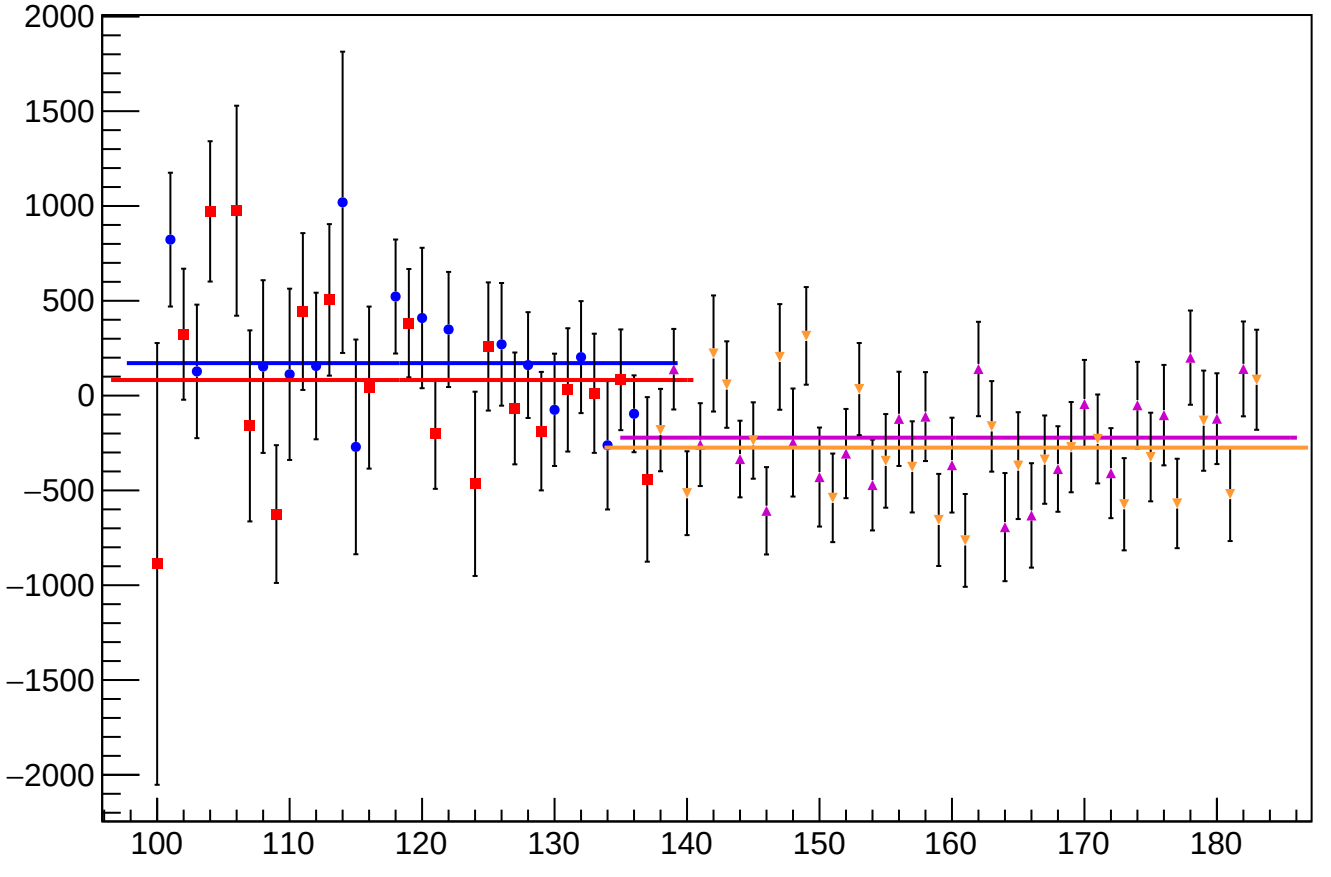
Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1683.343+/-0.243 χ^2/NDF:2339893.9/37

Out: 1674.864+/-0.236 χ^2/NDF:2778062.5/42

All: 1678.987+/-0.169 χ^2/NDF: 5118582.5/80

eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -274.440+/-49.425 χ^2/NDF:30.6/23

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: -249.148+/-35.598 χ^2/NDF: 54.5/45

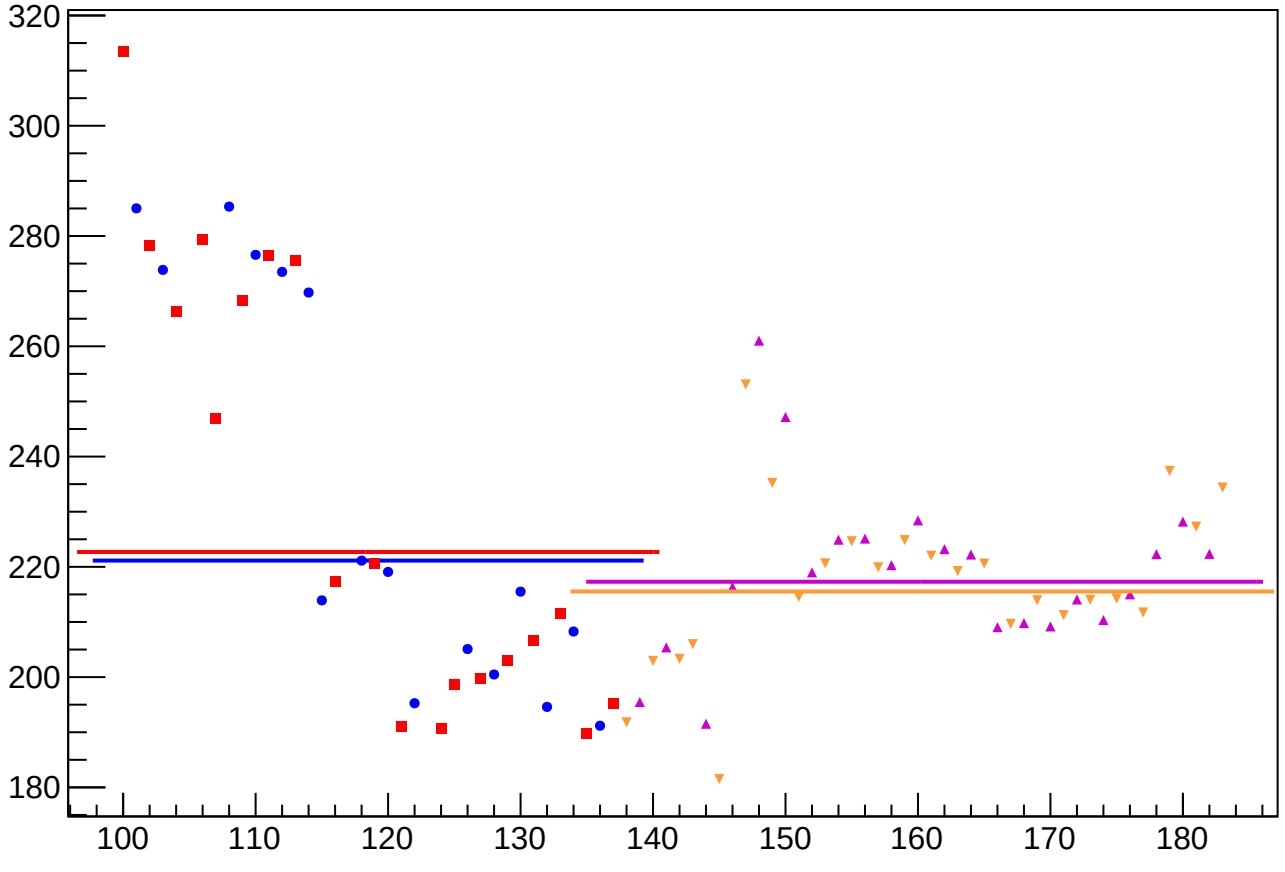
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -113.389+/-43.663 χ^2/NDF:51.0/37

Out: -180.334+/-42.405 χ^2/NDF:66.0/42

All: -147.840+/-30.420 χ^2/NDF: 118.2/80

eigen_dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 215.532+/-0.035 χ^2/NDF:182992.0/23

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 217.299+/-0.036 χ^2/NDF:157506.1/21

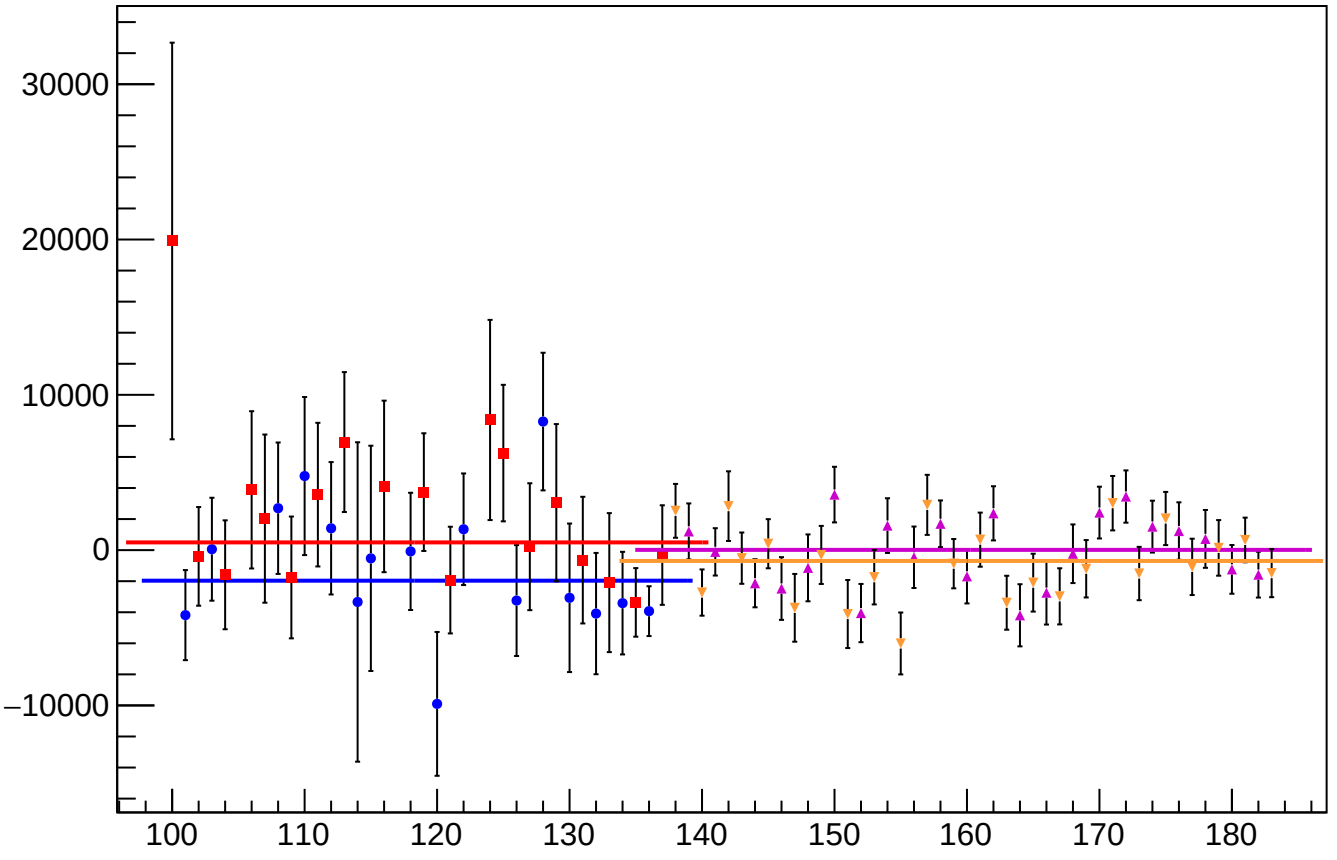
Left: 216.382+/-0.025 χ^2/NDF: 341728.4/45

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 218.358+/-0.031 χ^2/NDF:479291.9/37

Out: 217.423+/-0.030 χ^2/NDF:521107.5/42

All: 217.877+/-0.022 χ^2/NDF: 1000872.1/80



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -696.159+/-358.911 χ^2/NDF:37.6/23

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: 16.370+/-373.337 χ^2/NDF:33.4/21

Left: -353.926+/-258.738 χ^2/NDF: 72.9/45

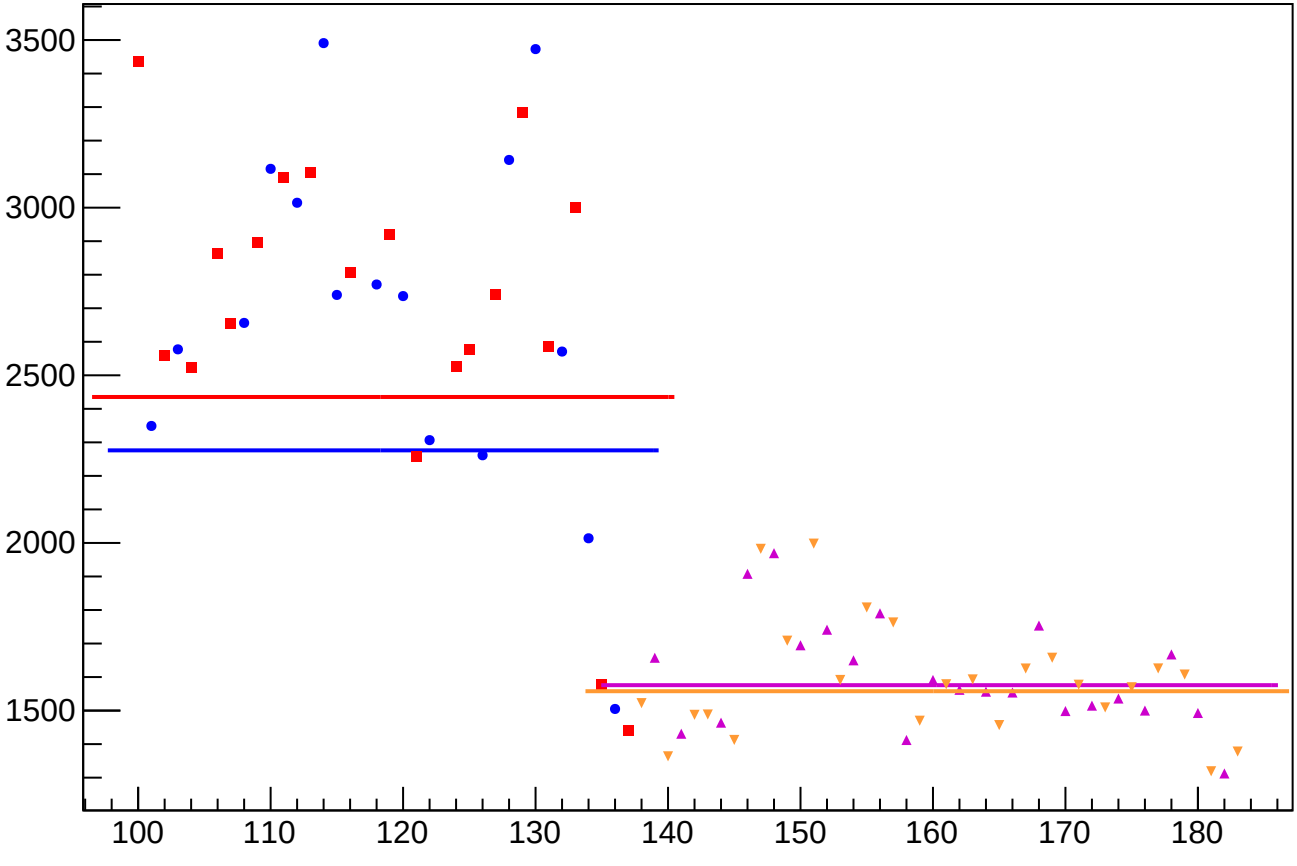
Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -288.205+/-343.483 χ^2/NDF:53.9/37

Out: -536.946+/-334.114 χ^2/NDF:53.8/42

All: -416.014+/-239.498 χ^2/NDF: 108.0/80

asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1557.792+/-0.254 χ^2/NDF:391449.1/23

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1575.823+/-0.264 χ^2/NDF:332449.4/21

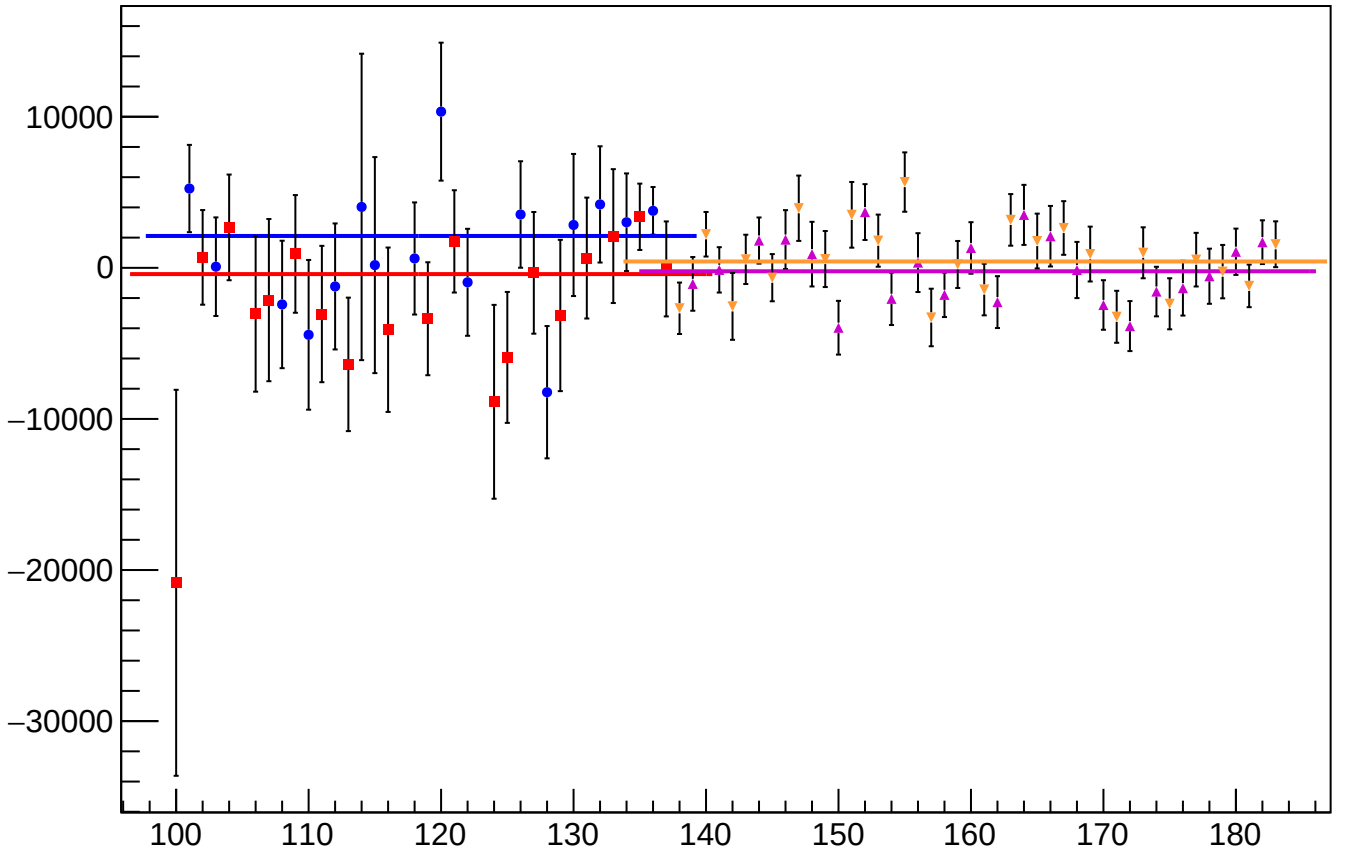
Left: 1566.452+/-0.183 χ^2/NDF: 726322.8/45

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1683.343+/-0.243 χ^2/NDF:2339882.2/37

Out: 1674.865+/-0.236 χ^2/NDF:2778049.8/42

All: 1678.987+/-0.169 χ^2/NDF: 5118558.0/80



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 421.258+/-353.098 χ^2/NDF:38.8/23

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: 109.598+/-254.425 χ^2/NDF: 72.4/45

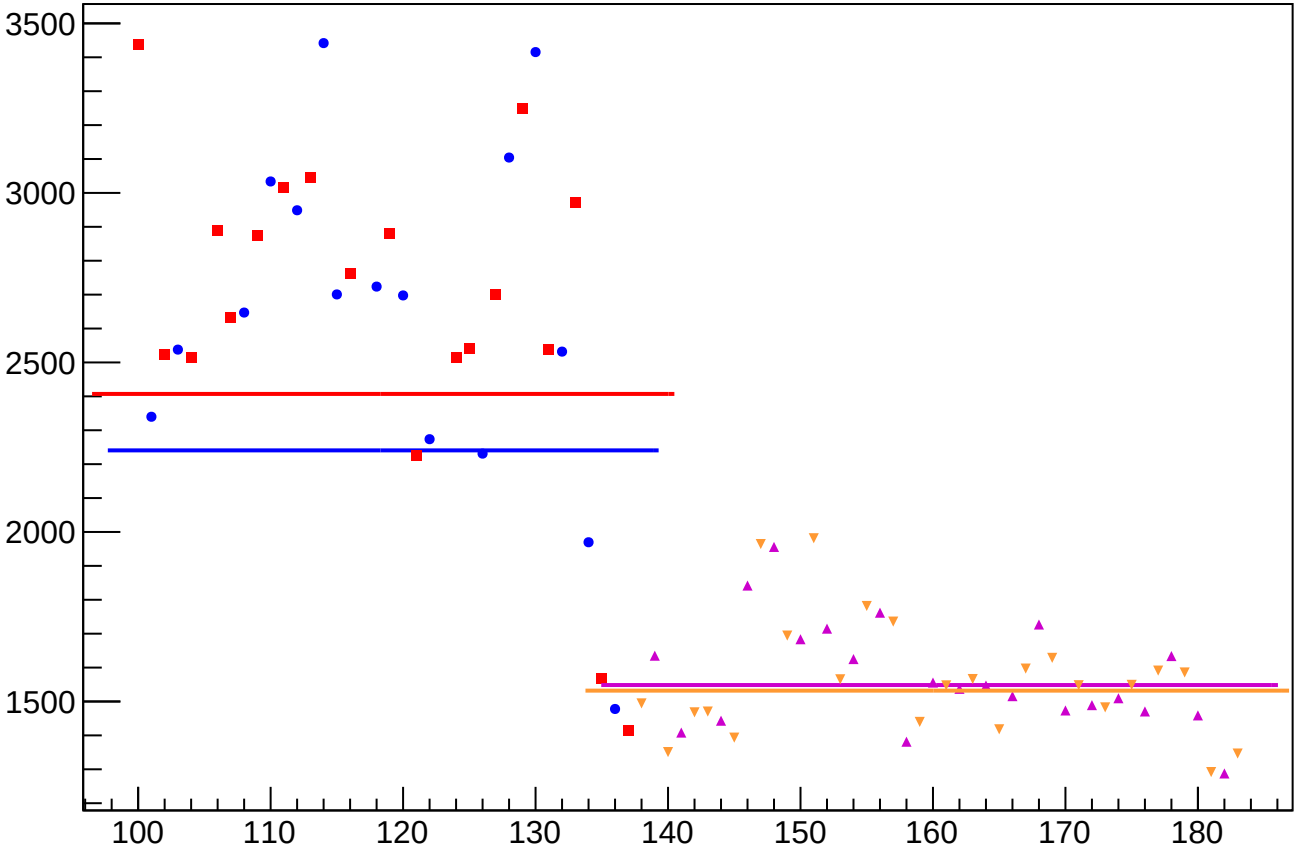
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 130.555+/-337.688 χ^2/NDF:54.8/37

Out: 310.770+/-328.919 χ^2/NDF:54.1/42

All: 223.033+/-235.620 χ^2/NDF: 109.1/80

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1532.037+/-0.250 χ^2/NDF:406640.1/23

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1548.522+/-0.259 χ^2/NDF:337728.1/21

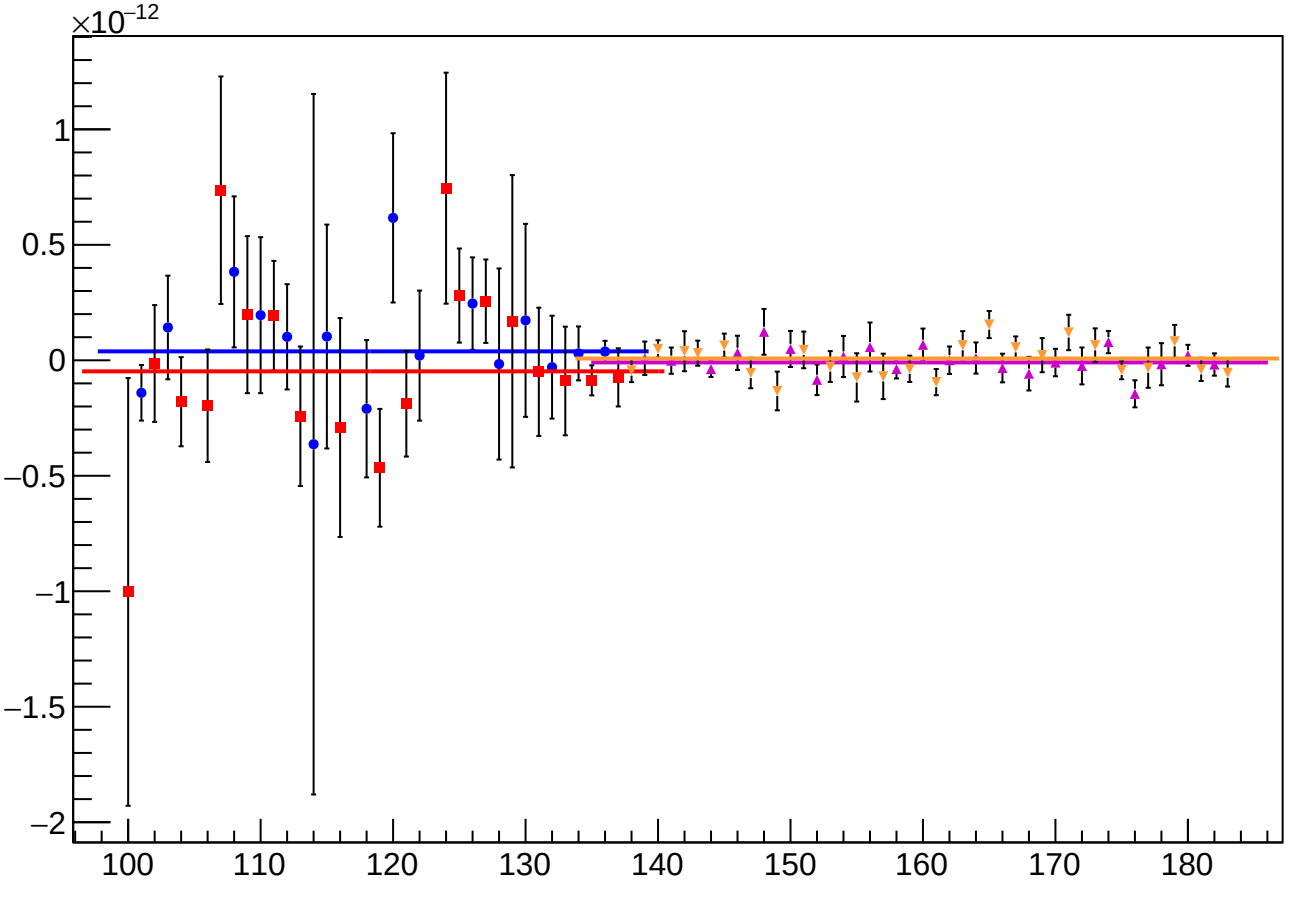
Left: 1539.963+/-0.180 χ^2/NDF: 746464.3/45

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1654.420+/-0.239 χ^2/NDF:2360091.2/37

Out: 1647.779+/-0.233 χ^2/NDF:2820364.5/42

All: 1651.012+/-0.167 χ^2/NDF: 5180852.7/80



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/21

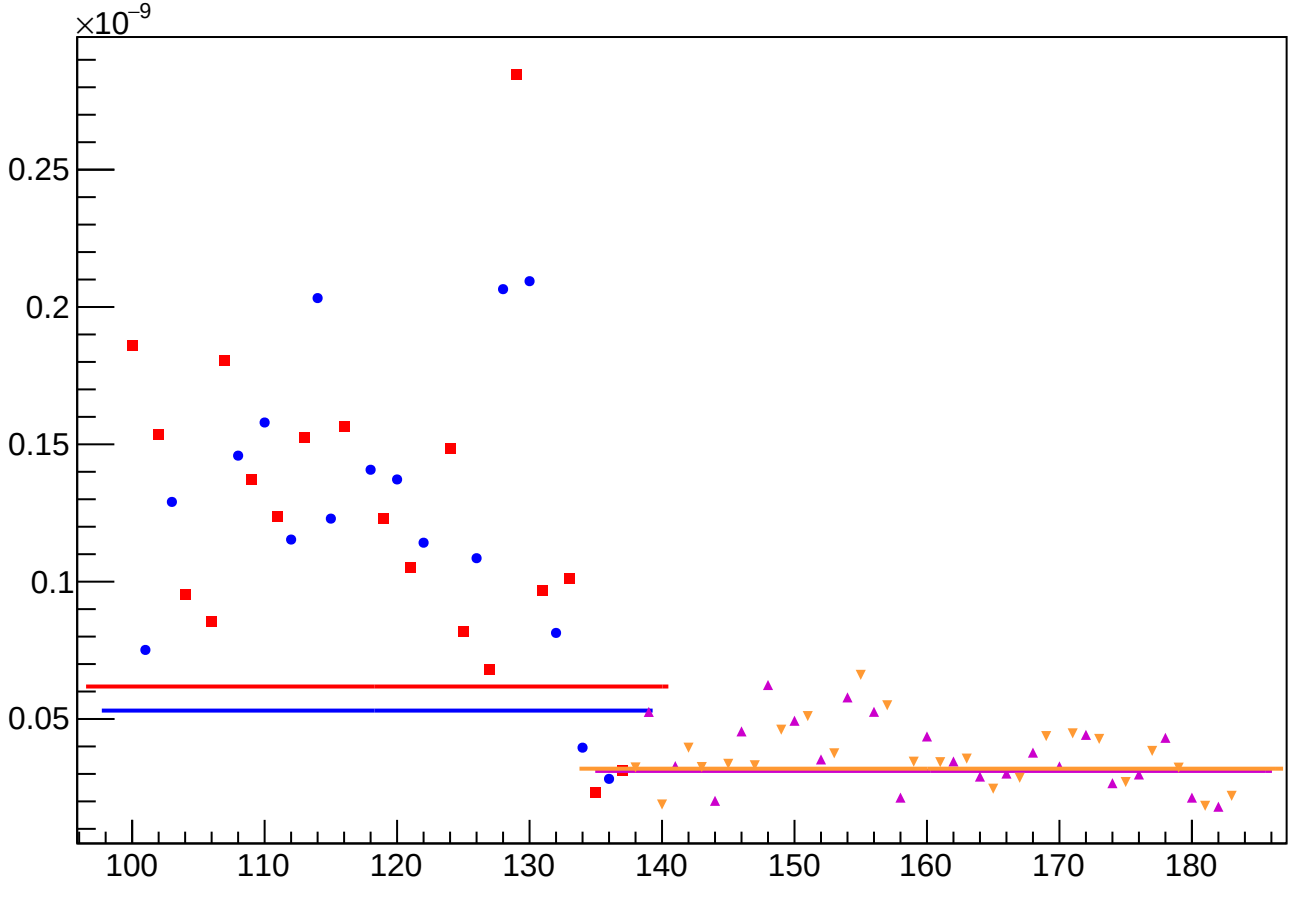
Left: -0.000+/-0.000 χ^2/NDF: 46.7/45

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:48.7/42

All: -0.000+/-0.000 χ^2/NDF: 75.7/80



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1219041.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1586549.9/21

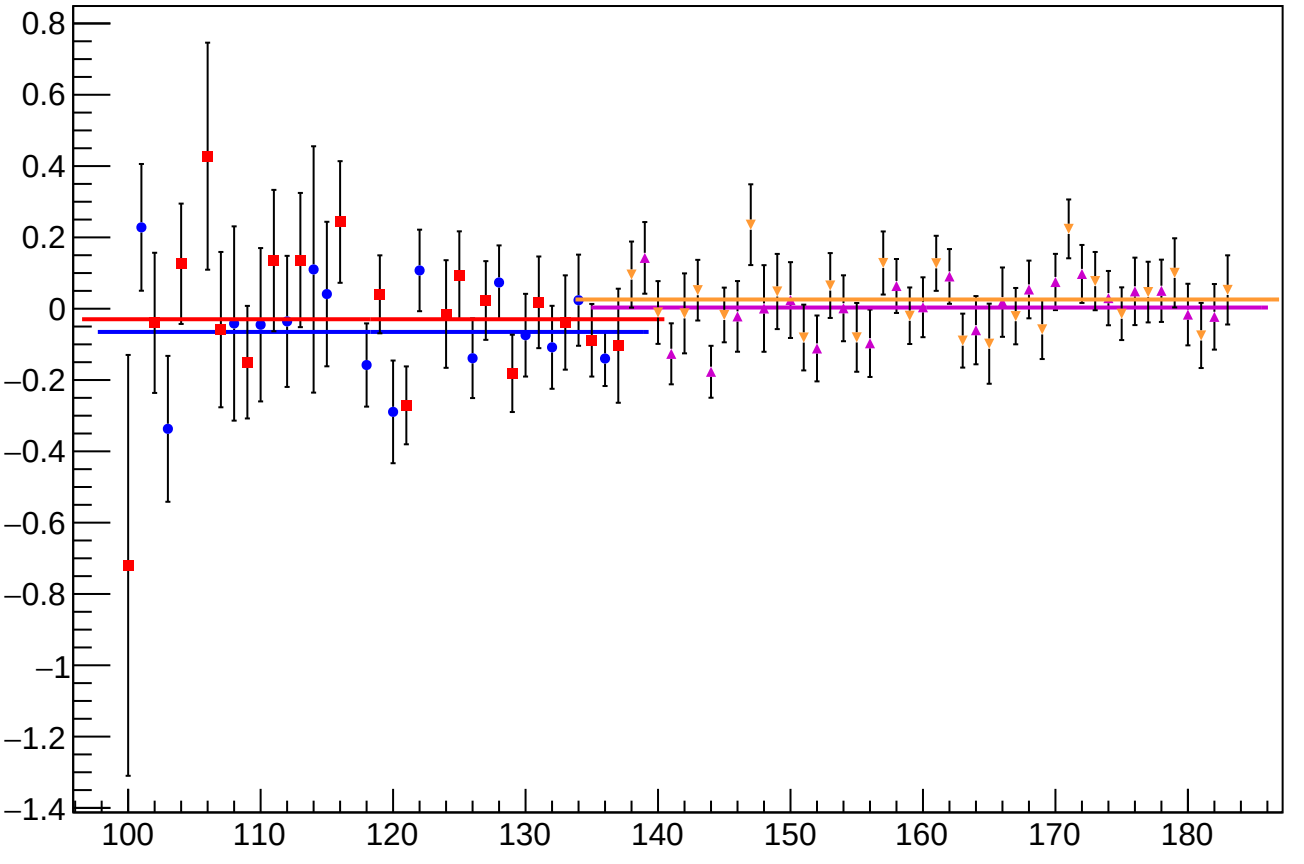
Left: 0.000+/-0.000 χ^2/NDF: 2809880.3/45

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:4517710.5/42

All: 0.000+/-0.000 χ^2/NDF: 9334173.6/80



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.018 χ^2/NDF:24.2/23

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: 0.015+/-0.013 χ^2/NDF: 43.8/45

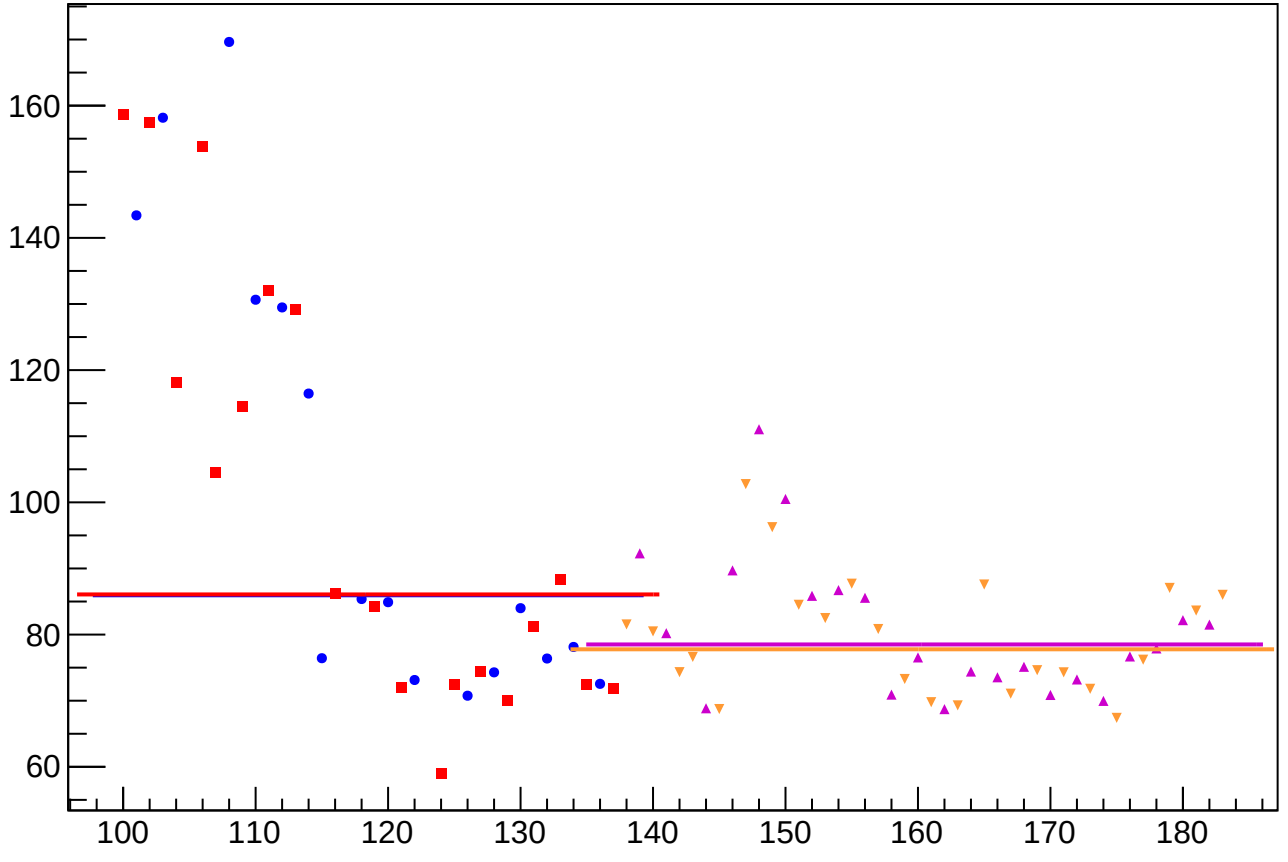
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.016 χ^2/NDF:36.2/37

Out: 0.013+/-0.016 χ^2/NDF:44.5/42

All: 0.001+/-0.011 χ^2/NDF: 82.0/80

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.774+/-0.013 χ^2/NDF:414387.2/23

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.508+/-0.013 χ^2/NDF:493006.7/21

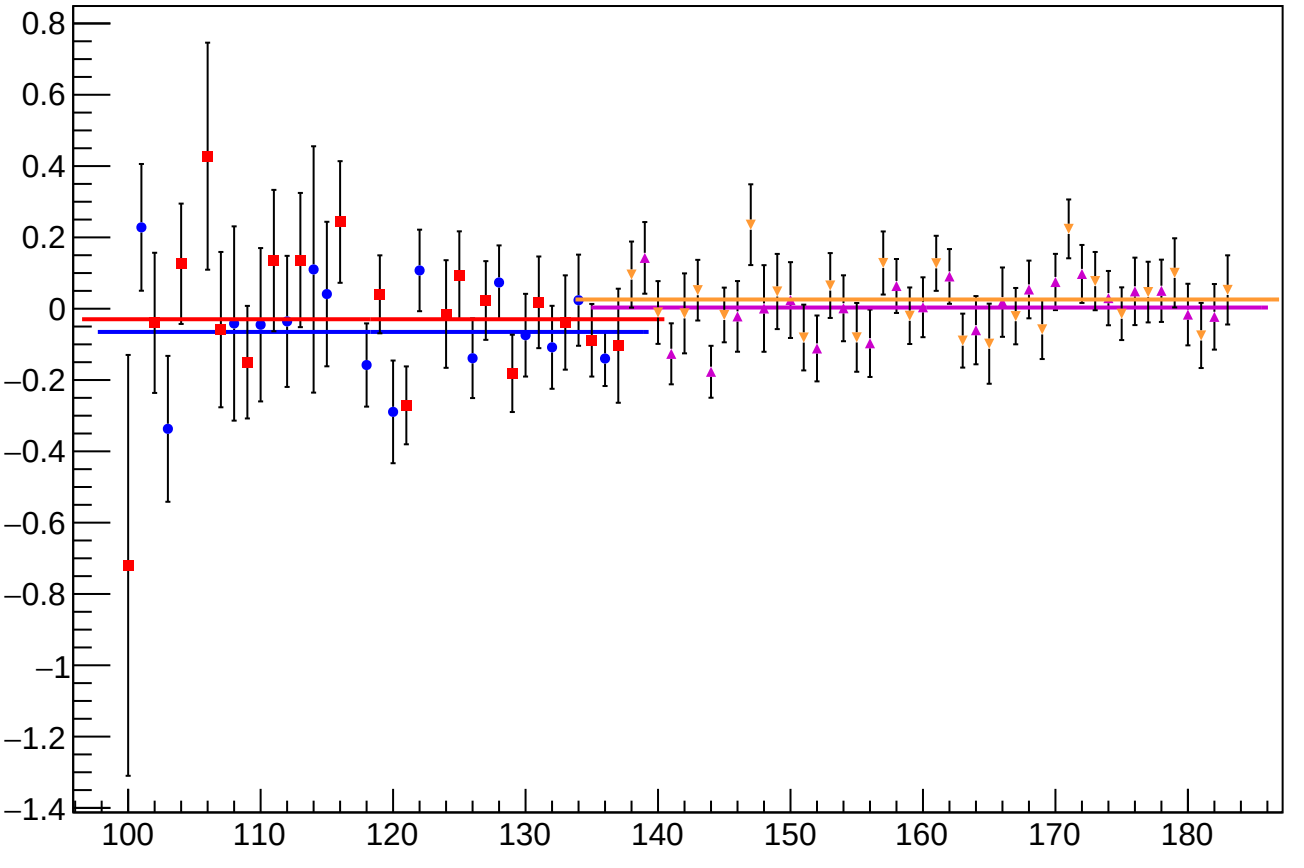
Left: 78.125+/-0.009 χ^2/NDF: 909000.1/45

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.289+/-0.012 χ^2/NDF:1603853.1/37

Out: 79.669+/-0.011 χ^2/NDF:1503588.4/42

All: 79.968+/-0.008 χ^2/NDF: 3108941.3/80



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.018 χ^2/NDF:24.2/23

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: 0.015+/-0.013 χ^2/NDF: 43.8/45

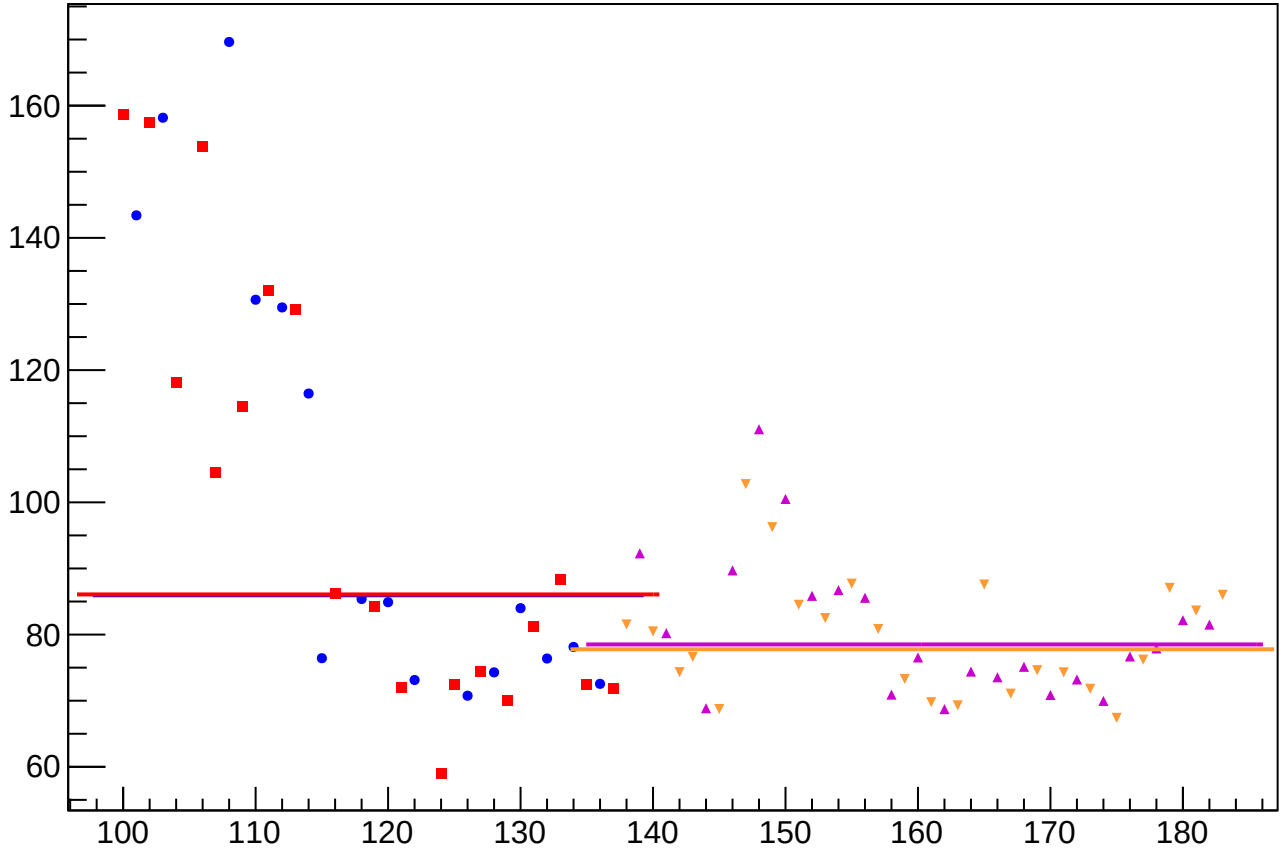
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.016 χ^2/NDF:36.2/37

Out: 0.013+/-0.016 χ^2/NDF:44.5/42

All: 0.001+/-0.011 χ^2/NDF: 82.0/80

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.774+/-0.013 χ^2/NDF:414387.2/23

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.508+/-0.013 χ^2/NDF:493006.7/21

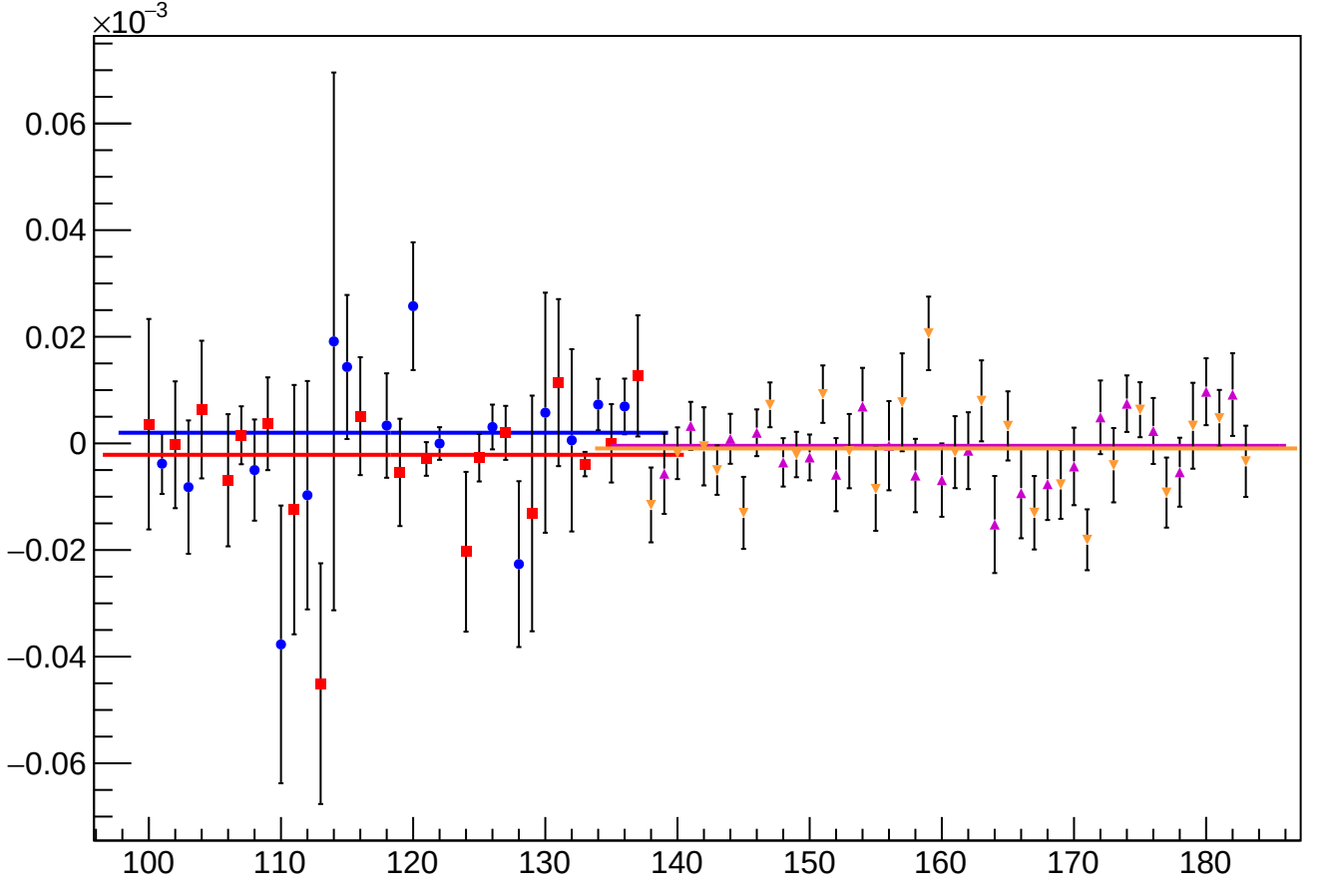
Left: 78.125+/-0.009 χ^2/NDF: 909000.1/45

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.289+/-0.012 χ^2/NDF:1603853.1/37

Out: 79.669+/-0.011 χ^2/NDF:1503588.4/42

All: 79.968+/-0.008 χ^2/NDF: 3108941.3/80



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:18.4/21

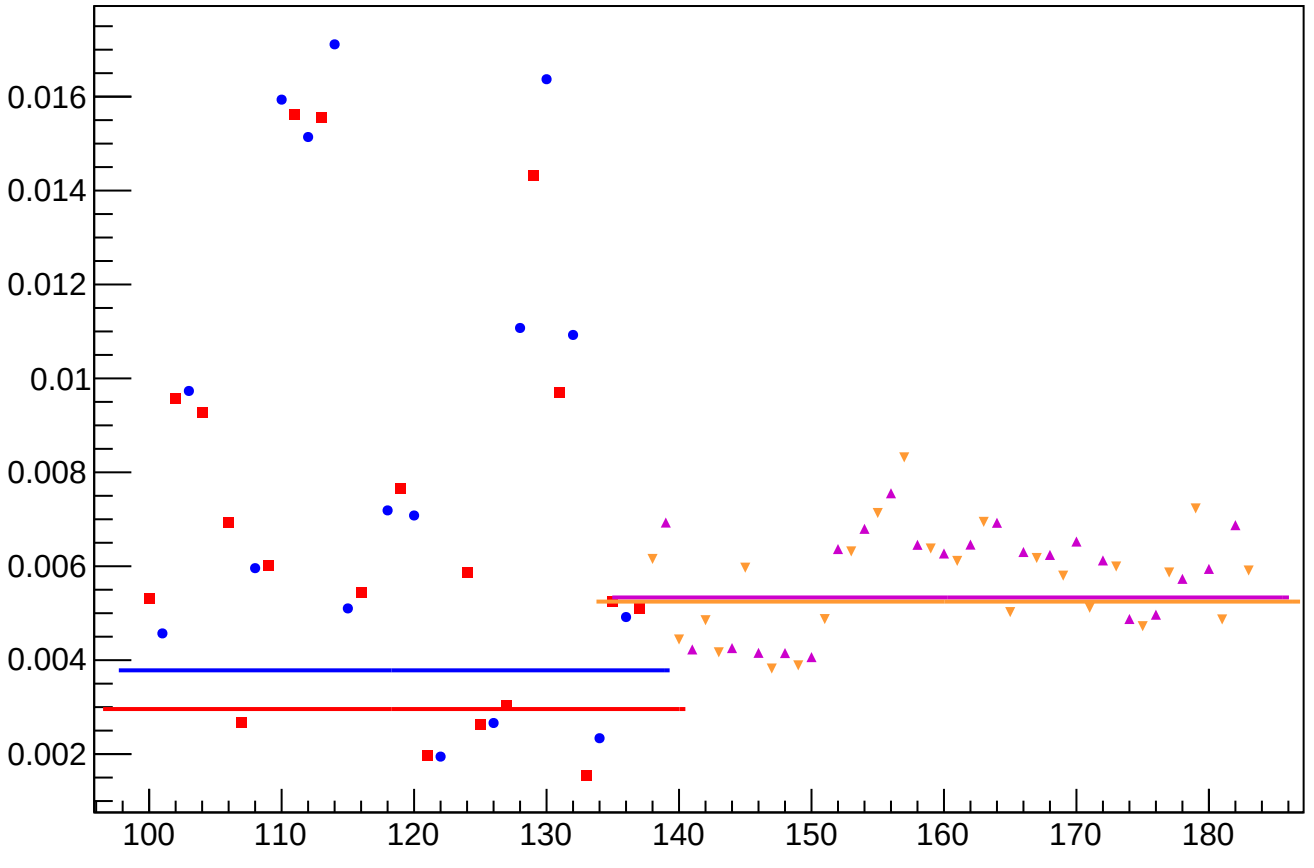
Left: -0.000+/-0.000 χ^2/NDF: 64.1/45

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:34.6/37

Out: -0.000+/-0.000 χ^2/NDF:57.5/42

All: -0.000+/-0.000 χ^2/NDF: 93.9/80



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1509657.8/23

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: 3022667.2/45

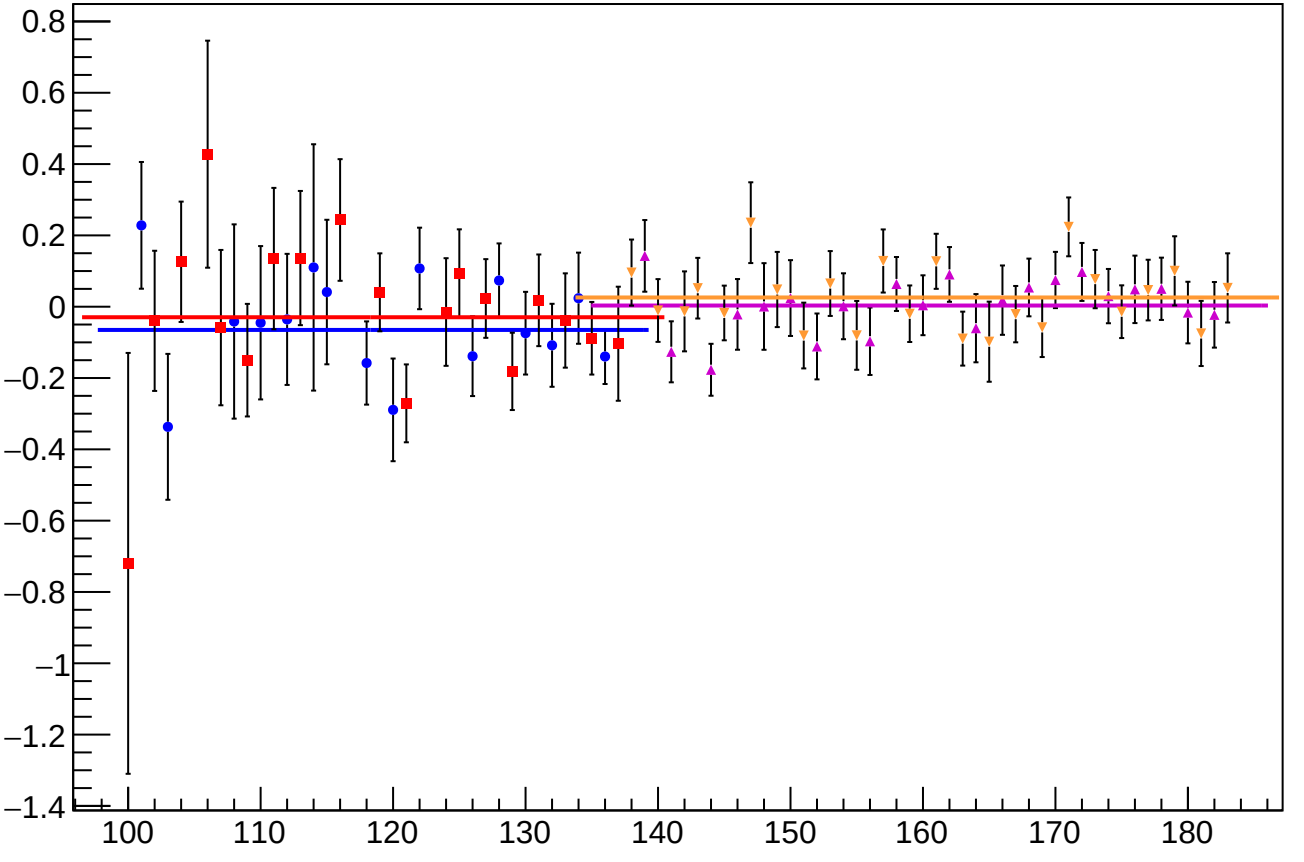
Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:7222364.2/37

Out: 0.004+/-0.000 χ^2/NDF:10064231.7/42

All: 0.004+/-0.000 χ^2/NDF: 17582692.1/80

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: 0.026+/-0.018 χ^2/NDF:24.2/23

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: 0.015+/-0.013 χ^2/NDF: 43.8/45

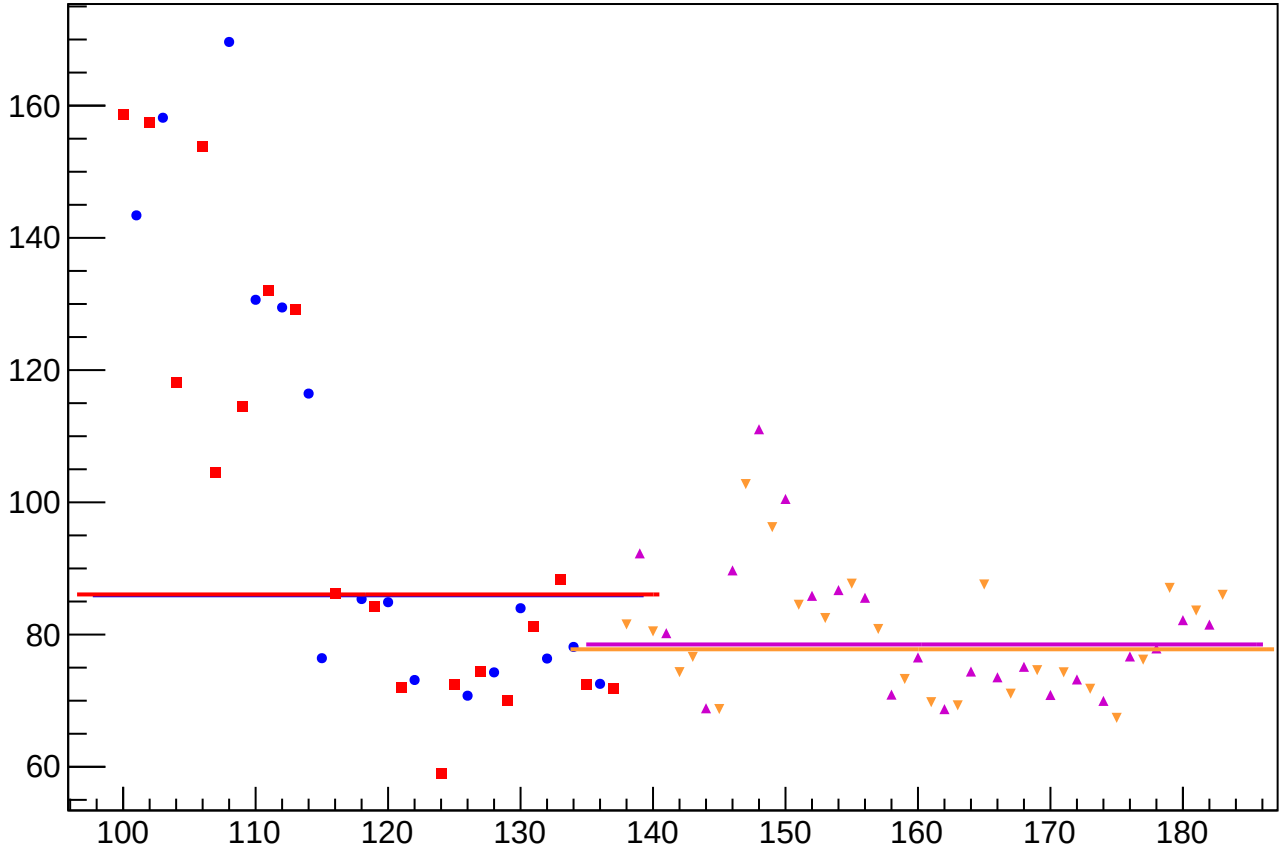
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.016 χ^2/NDF:36.2/37

Out: 0.013+/-0.016 χ^2/NDF:44.5/42

All: 0.001+/-0.011 χ^2/NDF: 82.0/80

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: 77.773+/-0.013 χ^2/NDF:414425.9/23

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: 78.125+/-0.009 χ^2/NDF: 909074.1/45

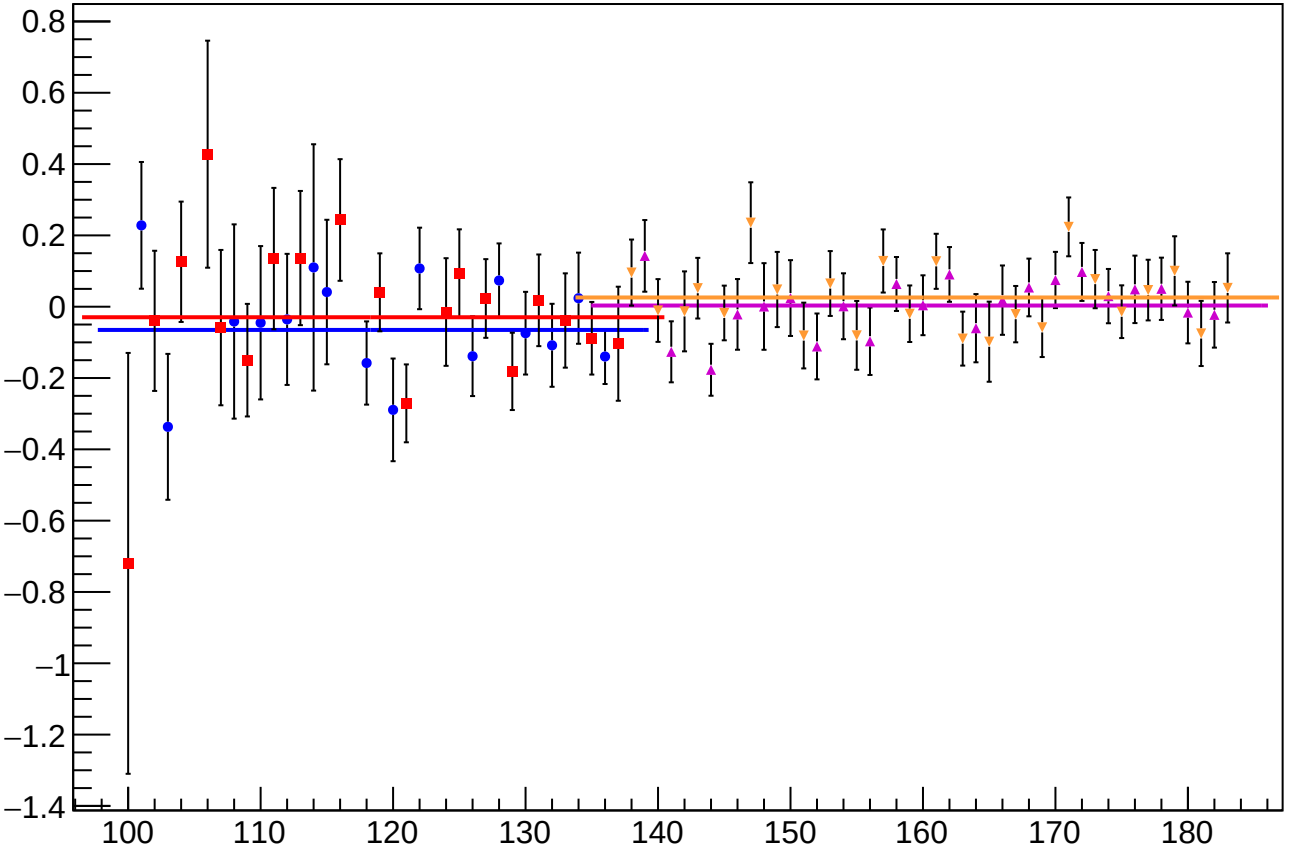
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.288+/-0.012 χ^2/NDF:1603839.3/37

Out: 79.668+/-0.011 χ^2/NDF:1503584.2/42

All: 79.967+/-0.008 χ^2/NDF: 3108921.7/80

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: 0.026+/-0.018 χ^2/NDF:24.2/23

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: 0.015+/-0.013 χ^2/NDF: 43.8/45

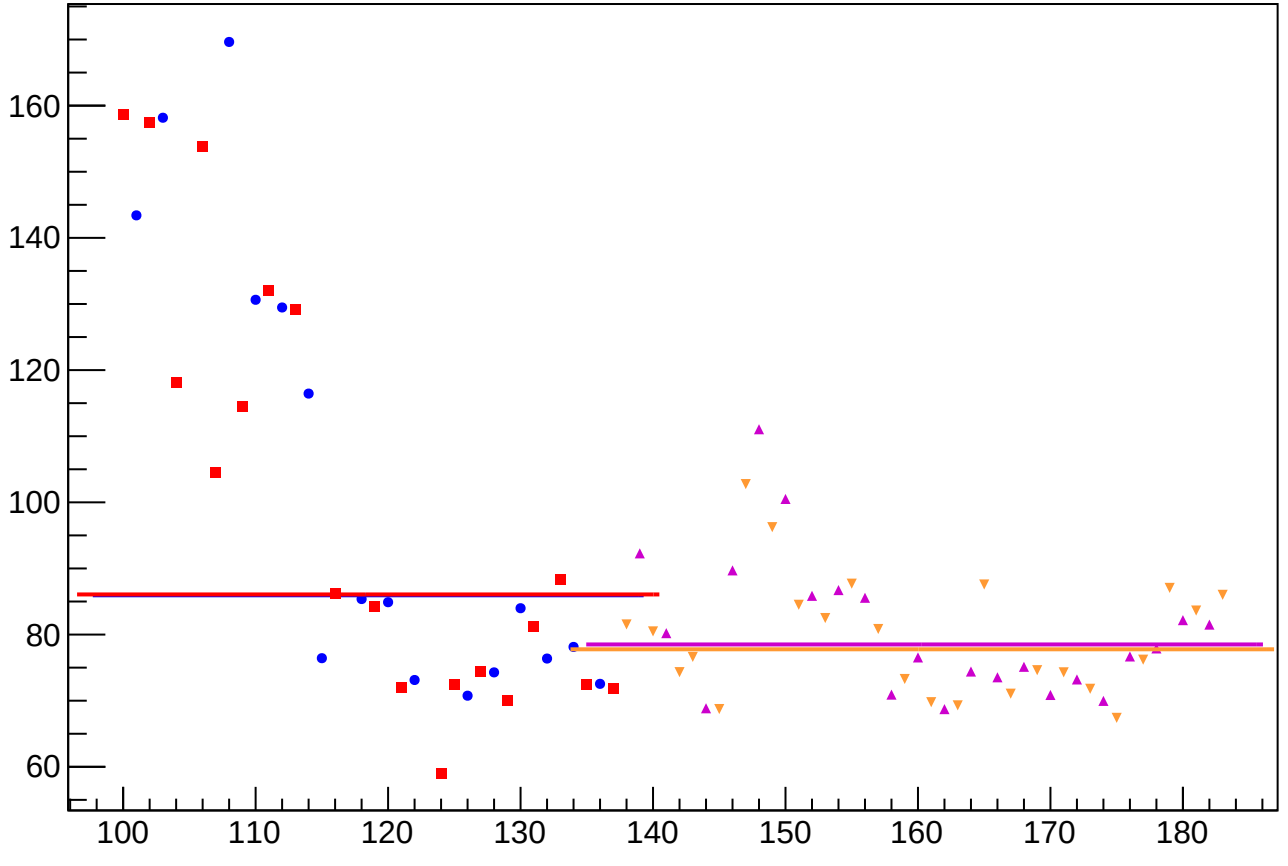
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.016 χ^2/NDF:36.2/37

Out: 0.013+/-0.016 χ^2/NDF:44.5/42

All: 0.001+/-0.011 χ^2/NDF: 82.0/80

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: 77.773+/-0.013 χ^2/NDF:414425.9/23

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.507+/-0.013 χ^2/NDF:493043.4/21

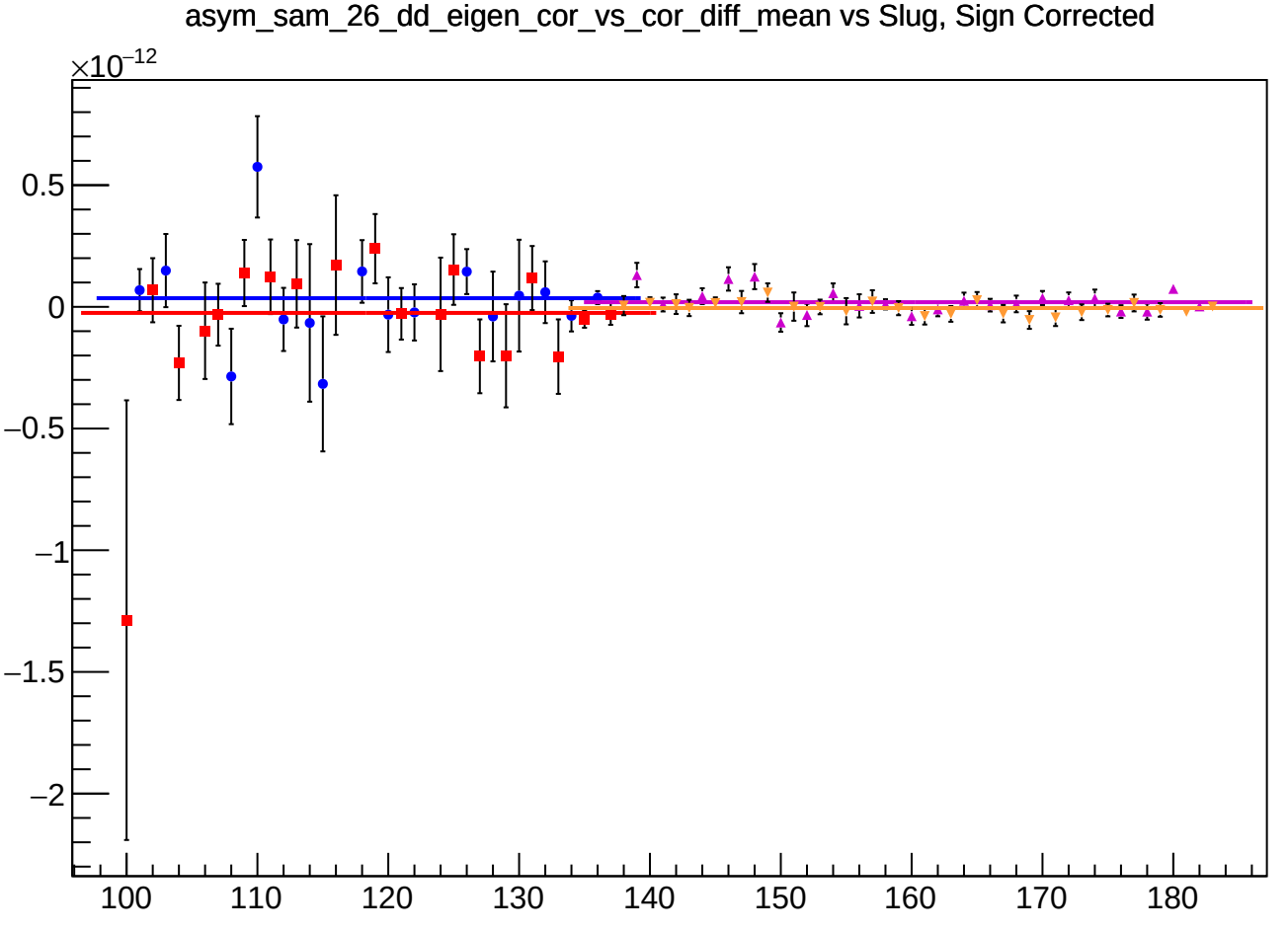
Left: 78.125+/-0.009 χ^2/NDF: 909074.1/45

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.288+/-0.012 χ^2/NDF:1603839.3/37

Out: 79.668+/-0.011 χ^2/NDF:1503584.2/42

All: 79.967+/-0.008 χ^2/NDF: 3108921.7/80



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:37.8/21

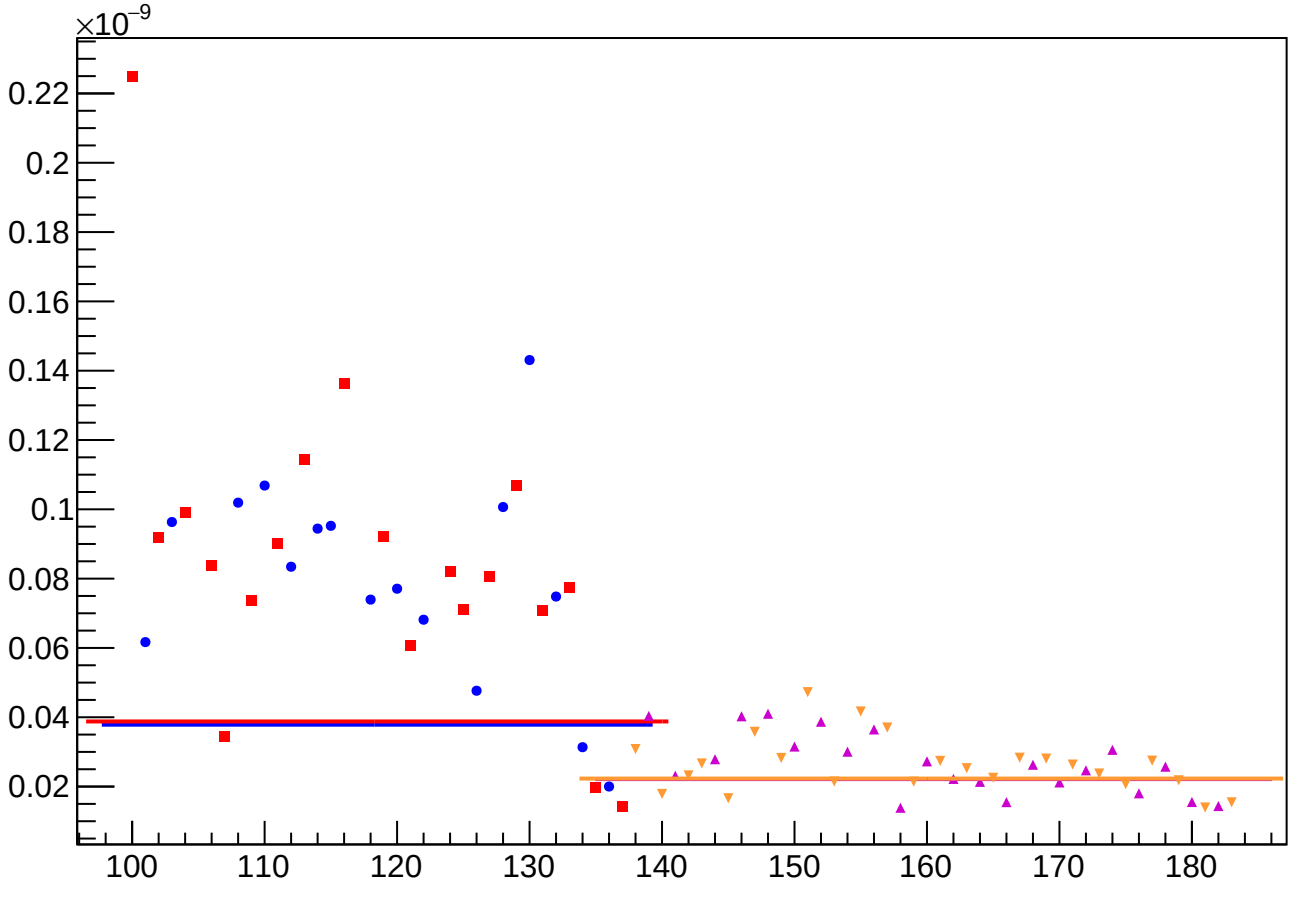
Left: 0.000+/-0.000 χ^2/NDF: 57.7/45

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:31.5/42

All: 0.000+/-0.000 χ^2/NDF: 95.9/80



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2290473.4/23

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: 5064997.0/45

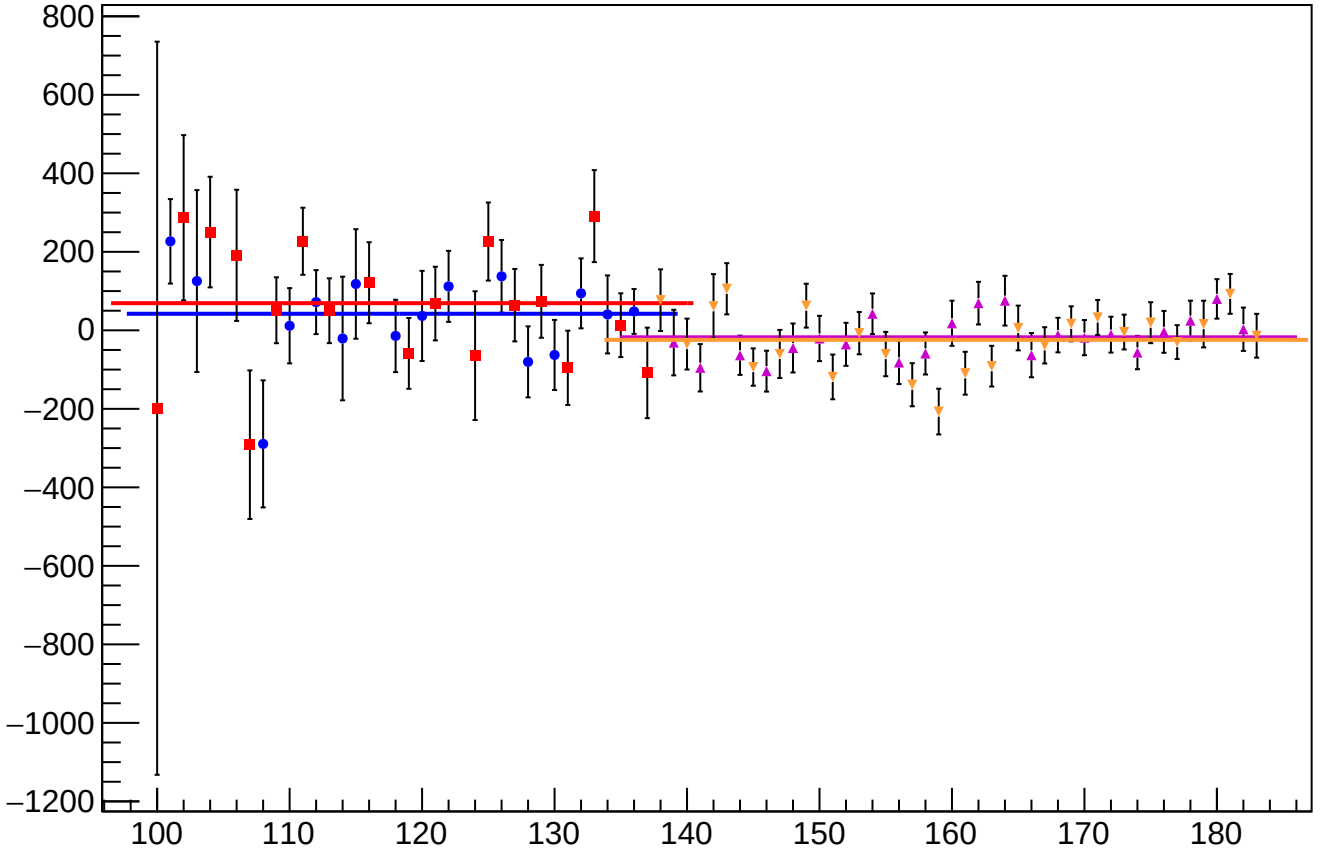
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:7284903.8/37

Out: 0.000+/-0.000 χ^2/NDF:7435584.0/42

All: 0.000+/-0.000 χ^2/NDF: 14720565.7/80

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -24.199+/-10.977 χ^2/NDF:42.8/23

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: -21.069+/-7.871 χ^2/NDF: 63.1/45

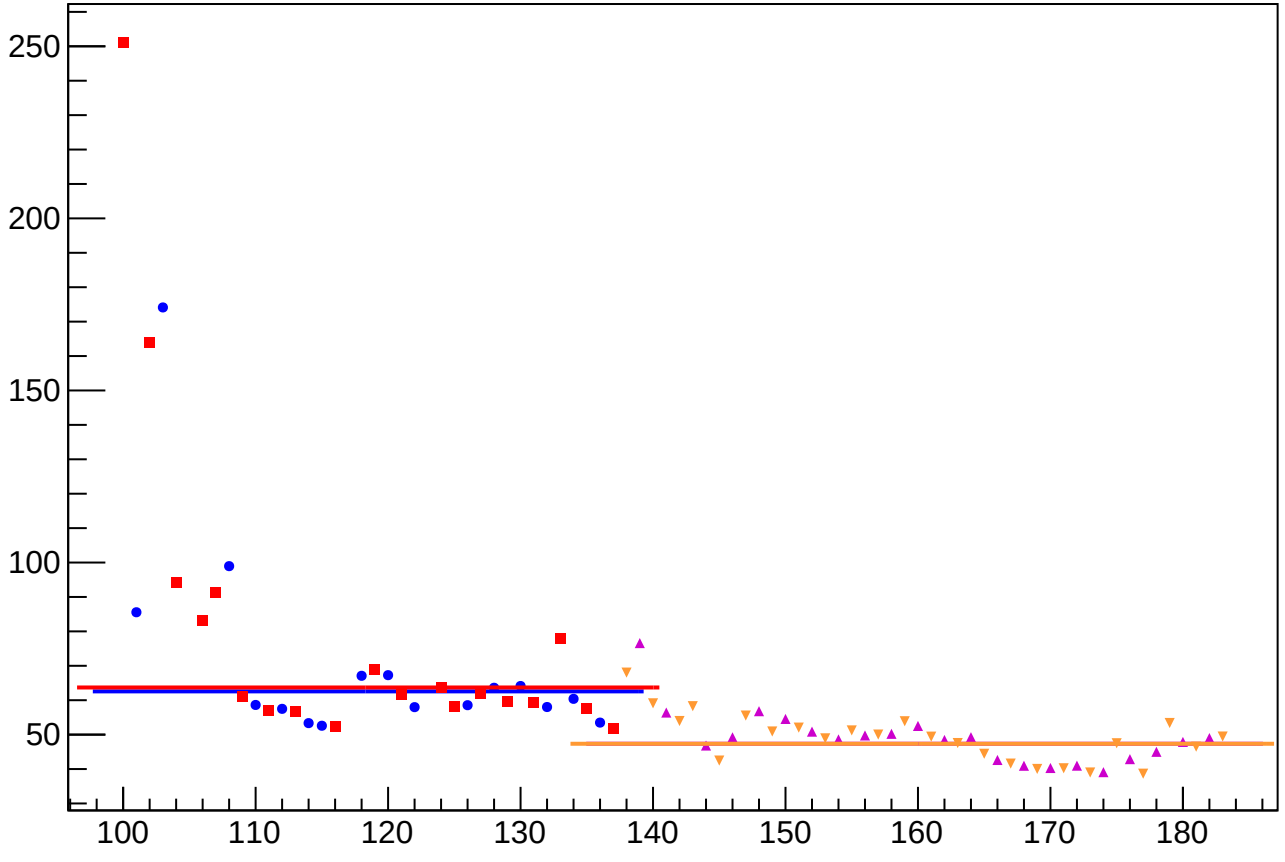
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -7.037+/-10.234 χ^2/NDF:38.8/37

Out: -8.490+/-10.012 χ^2/NDF:80.3/42

All: -7.779+/-7.157 χ^2/NDF: 119.1/80

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.346+/-0.008 χ^2/NDF:713318.1/23

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.348+/-0.008 χ^2/NDF:648560.3/21

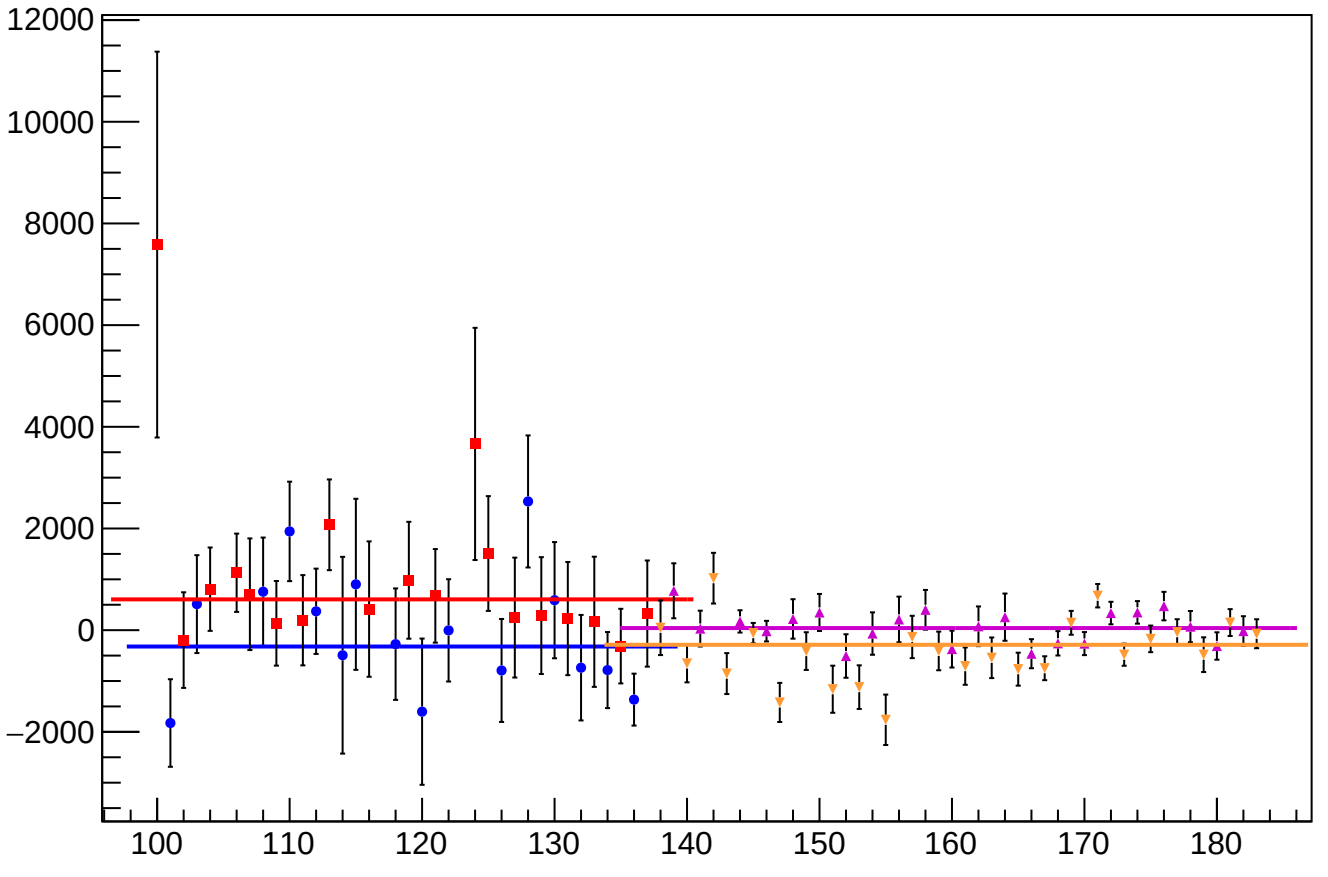
Left: 47.347+/-0.006 χ^2/NDF: 1361878.4/45

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 50.067+/-0.007 χ^2/NDF:2056330.1/37

Out: 50.095+/-0.007 χ^2/NDF:2293775.7/42

All: 50.081+/-0.005 χ^2/NDF: 4350113.2/80



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -287.546+/-63.099 χ^2/NDF:71.0/23

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 41.451+/-63.130 χ^2/NDF:21.8/21

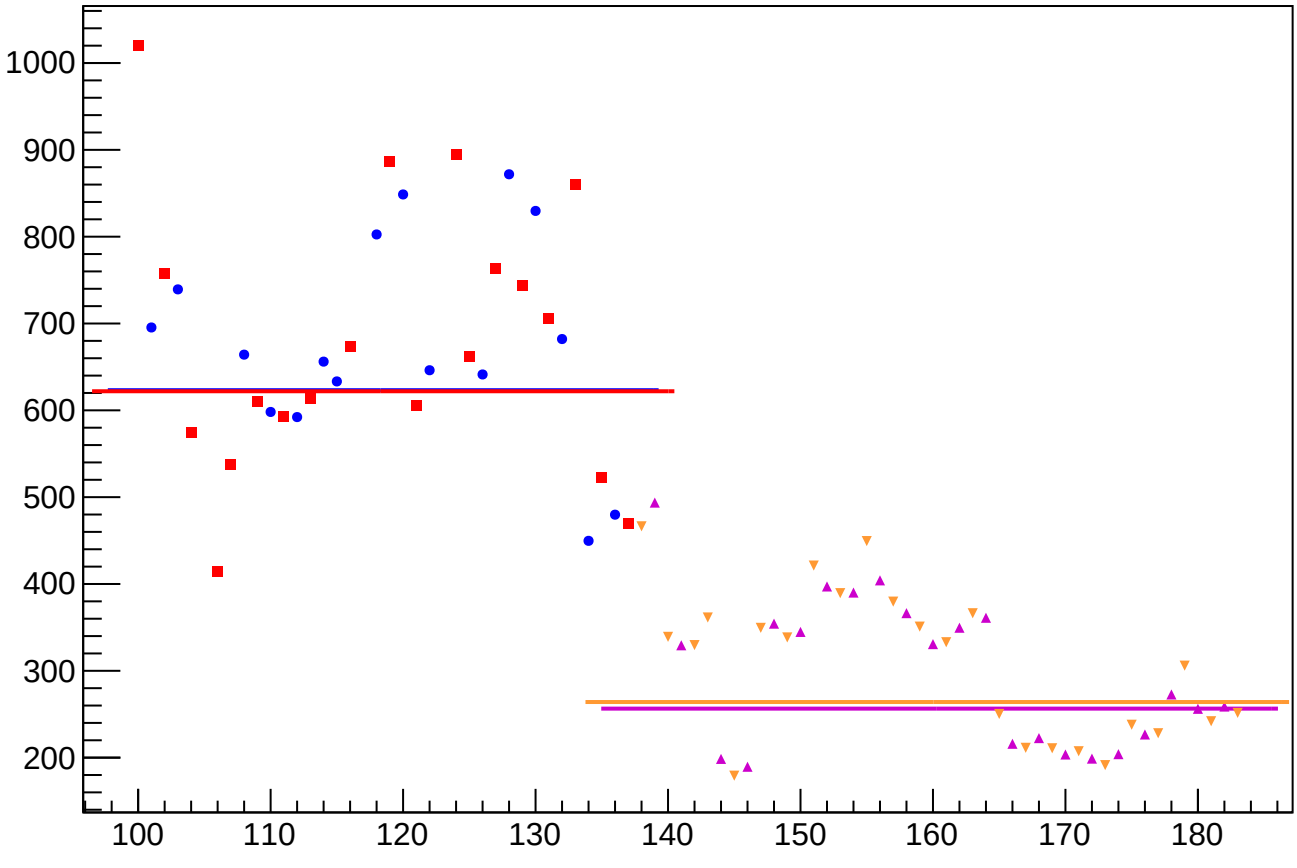
Left: -123.127+/-44.629 χ^2/NDF: 106.4/45

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 17.672+/-61.028 χ^2/NDF:46.7/37

Out: -226.814+/-60.917 χ^2/NDF:97.1/42

All: -104.793+/-43.114 χ^2/NDF: 151.8/80



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 264.061+/-0.045 χ^2/NDF:2852836.8/23

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: 260.257+/-0.032 χ^2/NDF: 5501237.1/45

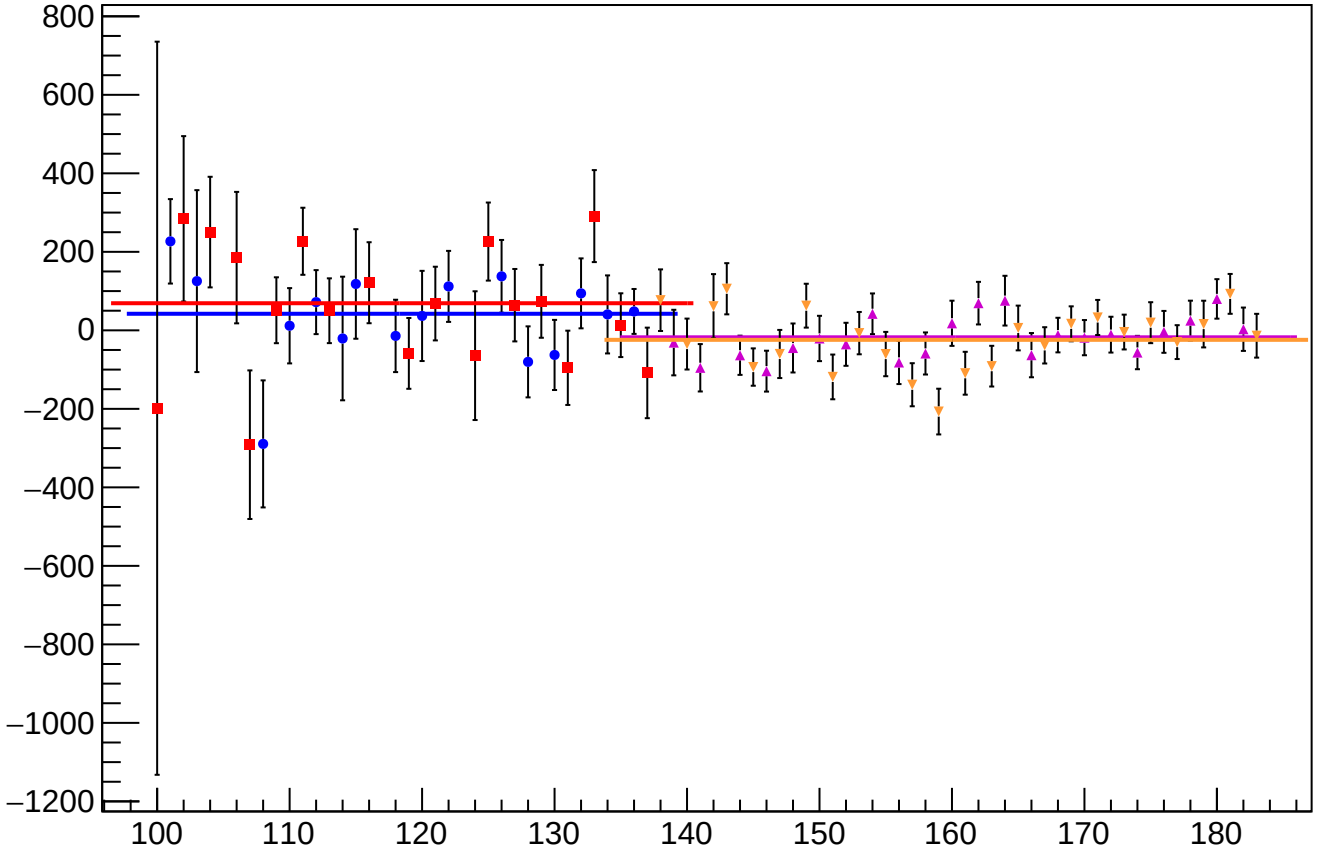
Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 280.465+/-0.043 χ^2/NDF:7619162.1/37

Out: 288.391+/-0.043 χ^2/NDF:7809719.7/42

All: 284.435+/-0.030 χ^2/NDF: 15445781.3/80

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -24.196+/-10.977 χ^2/NDF:42.8/23

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: -21.066+/-7.871 χ^2/NDF: 63.1/45

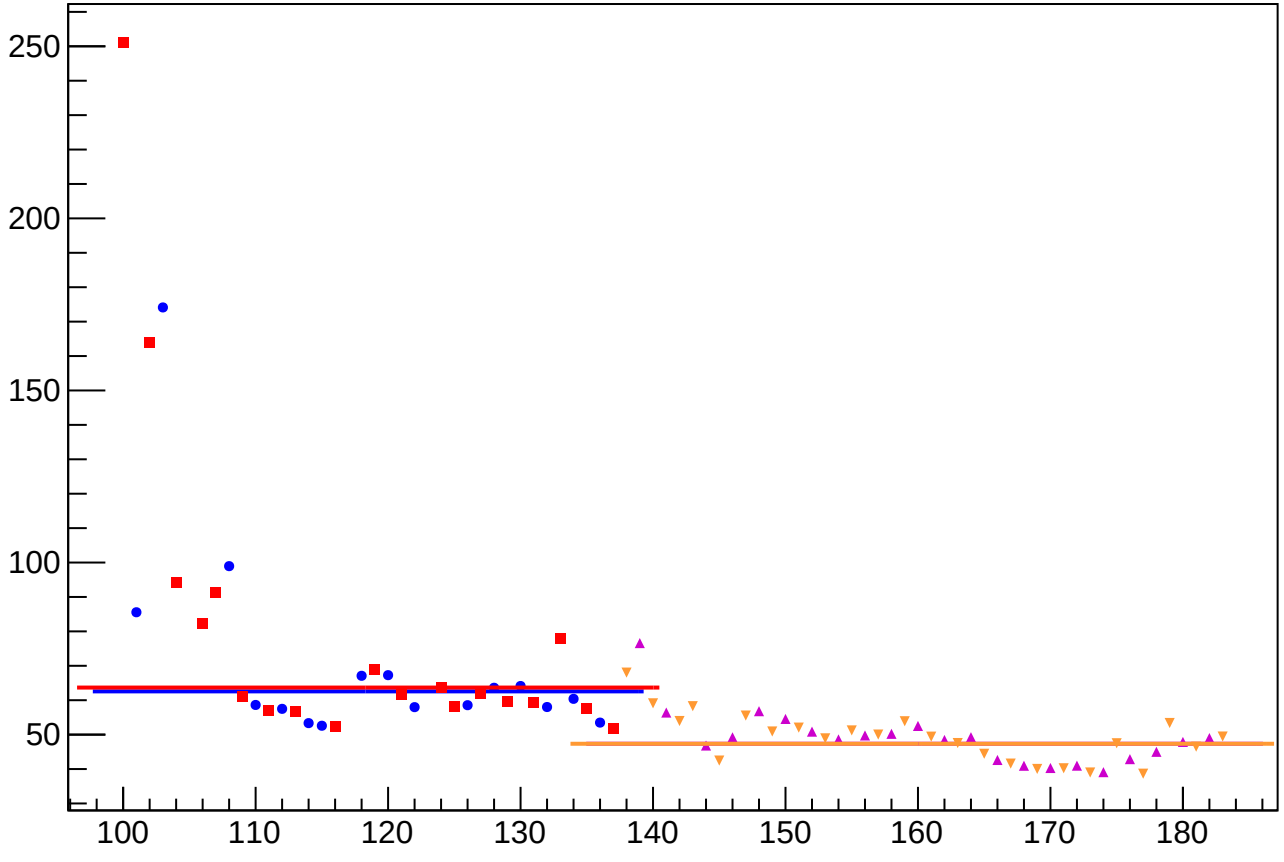
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -7.036+/-10.234 χ^2/NDF:38.8/37

Out: -8.519+/-10.012 χ^2/NDF:80.2/42

All: -7.794+/-7.157 χ^2/NDF: 119.0/80

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.346+/-0.008 χ^2/NDF:713318.0/23

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.348+/-0.008 χ^2/NDF:648560.3/21

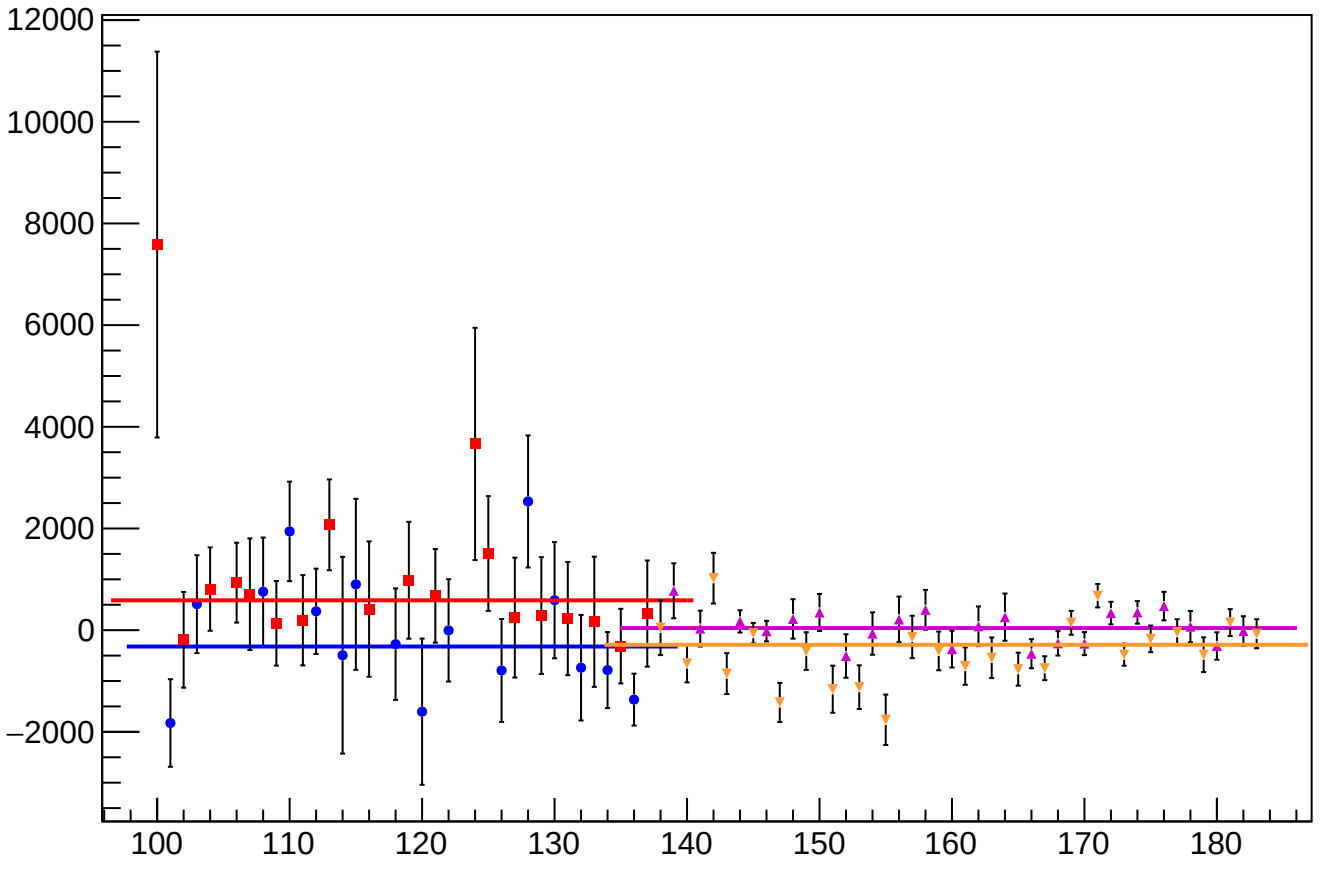
Left: 47.347+/-0.006 χ^2/NDF: 1361878.3/45

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.067+/-0.007 χ^2/NDF:2056331.9/37

Out: 50.090+/-0.007 χ^2/NDF:2288751.2/42

All: 50.079+/-0.005 χ^2/NDF: 4345088.3/80



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -287.541+/-63.099 χ^2/NDF:71.0/23

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 41.453+/-63.130 χ^2/NDF:21.8/21

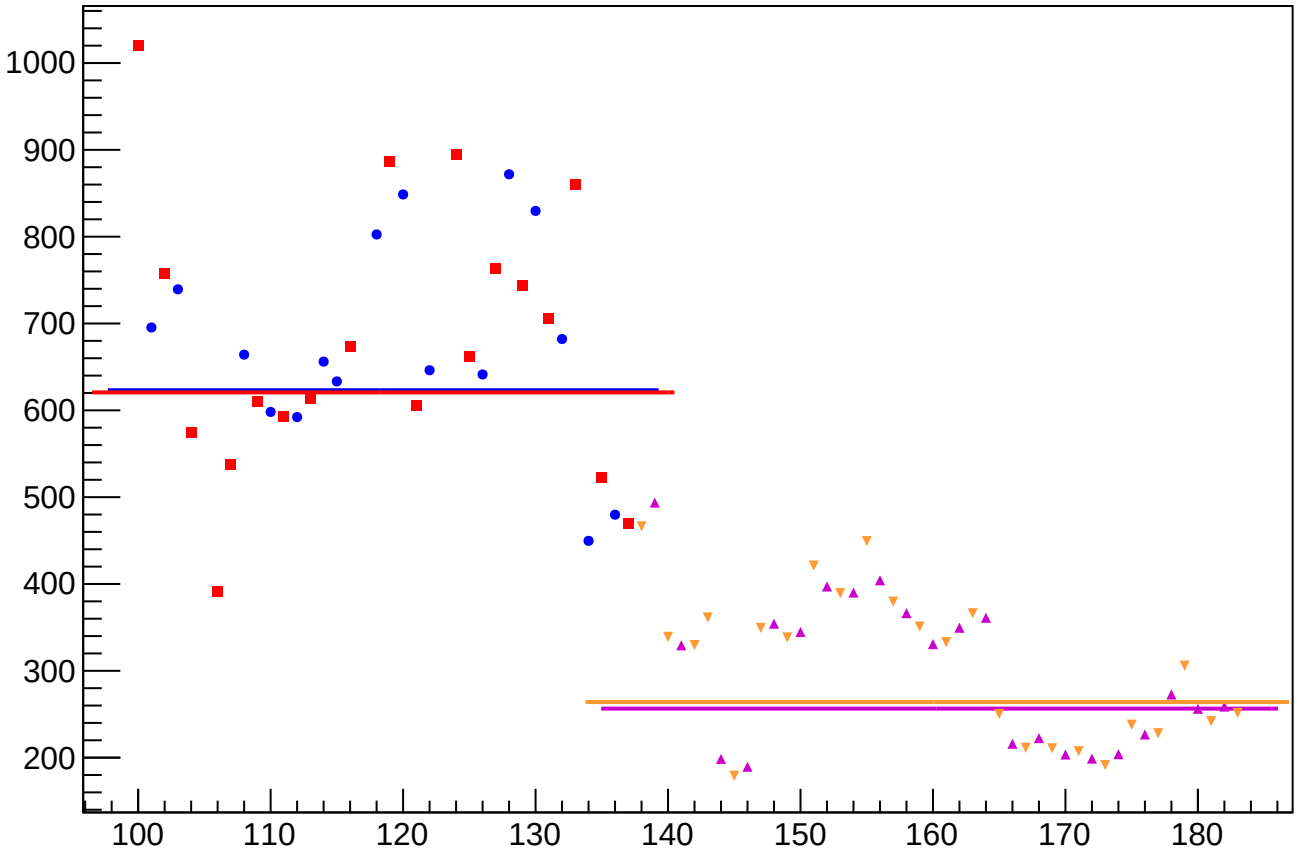
Left: -123.124+/-44.629 χ^2/NDF: 106.4/45

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 17.675+/-61.028 χ^2/NDF:46.7/37

Out: -228.283+/-60.925 χ^2/NDF:96.2/42

All: -105.512+/-43.117 χ^2/NDF: 151.0/80



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 264.061+/-0.045 χ^2/NDF:2852842.7/23

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 256.449+/-0.045 χ^2/NDF:2633852.0/21

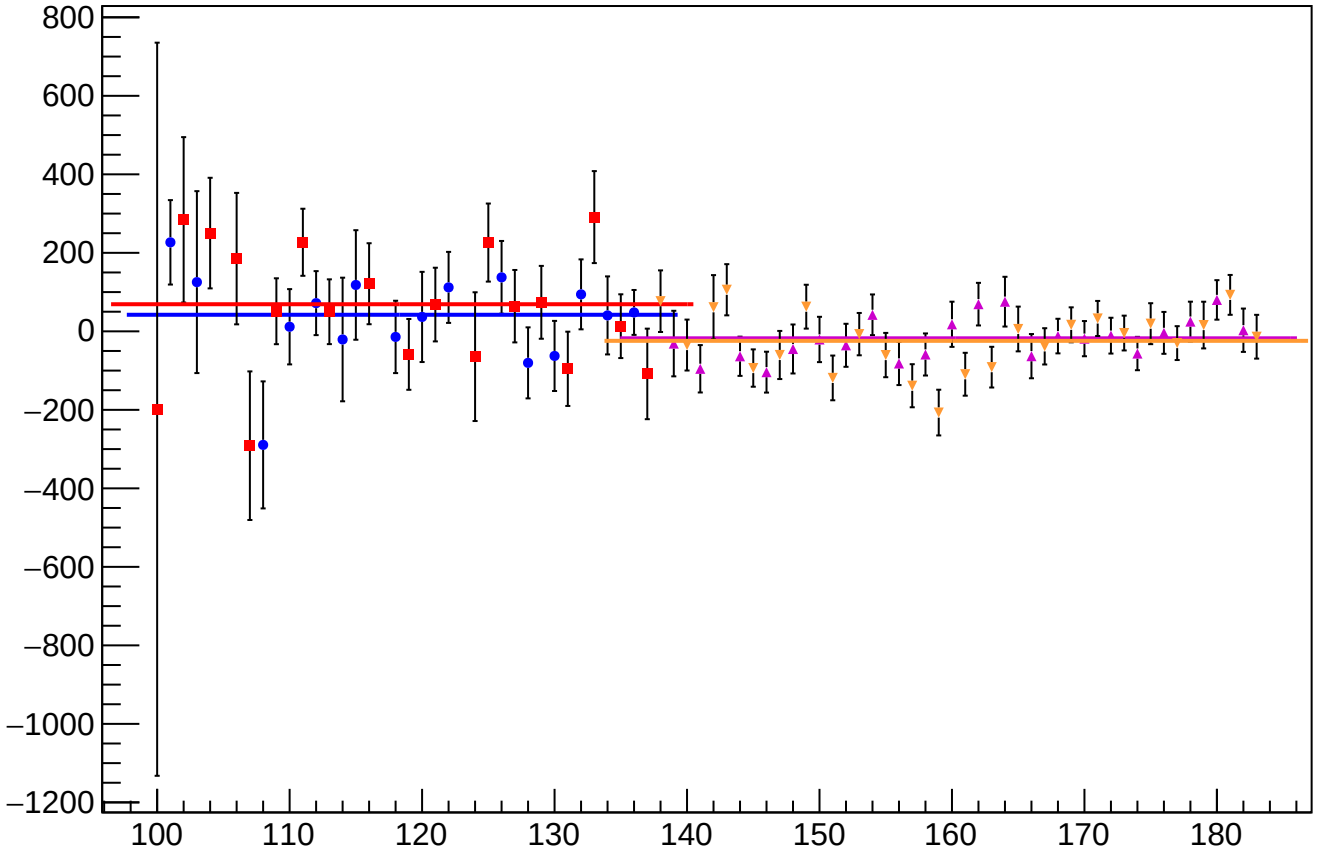
Left: 260.257+/-0.032 χ^2/NDF: 5501237.4/45

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 280.465+/-0.043 χ^2/NDF:7619206.1/37

Out: 288.218+/-0.043 χ^2/NDF:7790802.6/42

All: 284.348+/-0.030 χ^2/NDF: 15426177.0/80



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -24.196+/-10.977 χ^2/NDF:42.8/23

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -17.753+/-11.292 χ^2/NDF:20.2/21

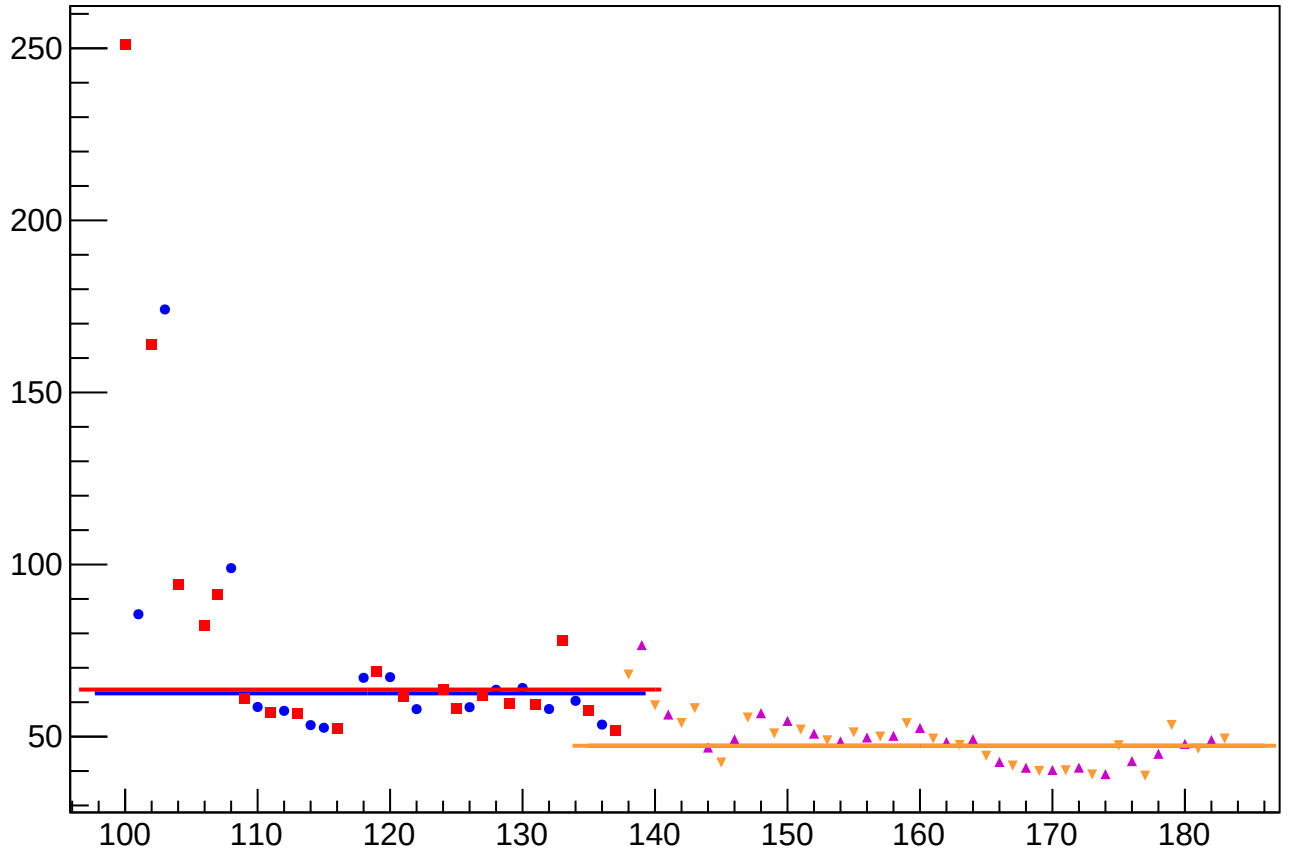
Left: -21.066+/-7.871 χ^2/NDF: 63.1/45

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -7.036+/-10.234 χ^2/NDF:38.8/37

Out: -8.519+/-10.012 χ^2/NDF:80.2/42

All: -7.794+/-7.157 χ^2/NDF: 119.0/80



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.346+/-0.008 χ^2/NDF:713318.0/23

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.348+/-0.008 χ^2/NDF:648560.3/21

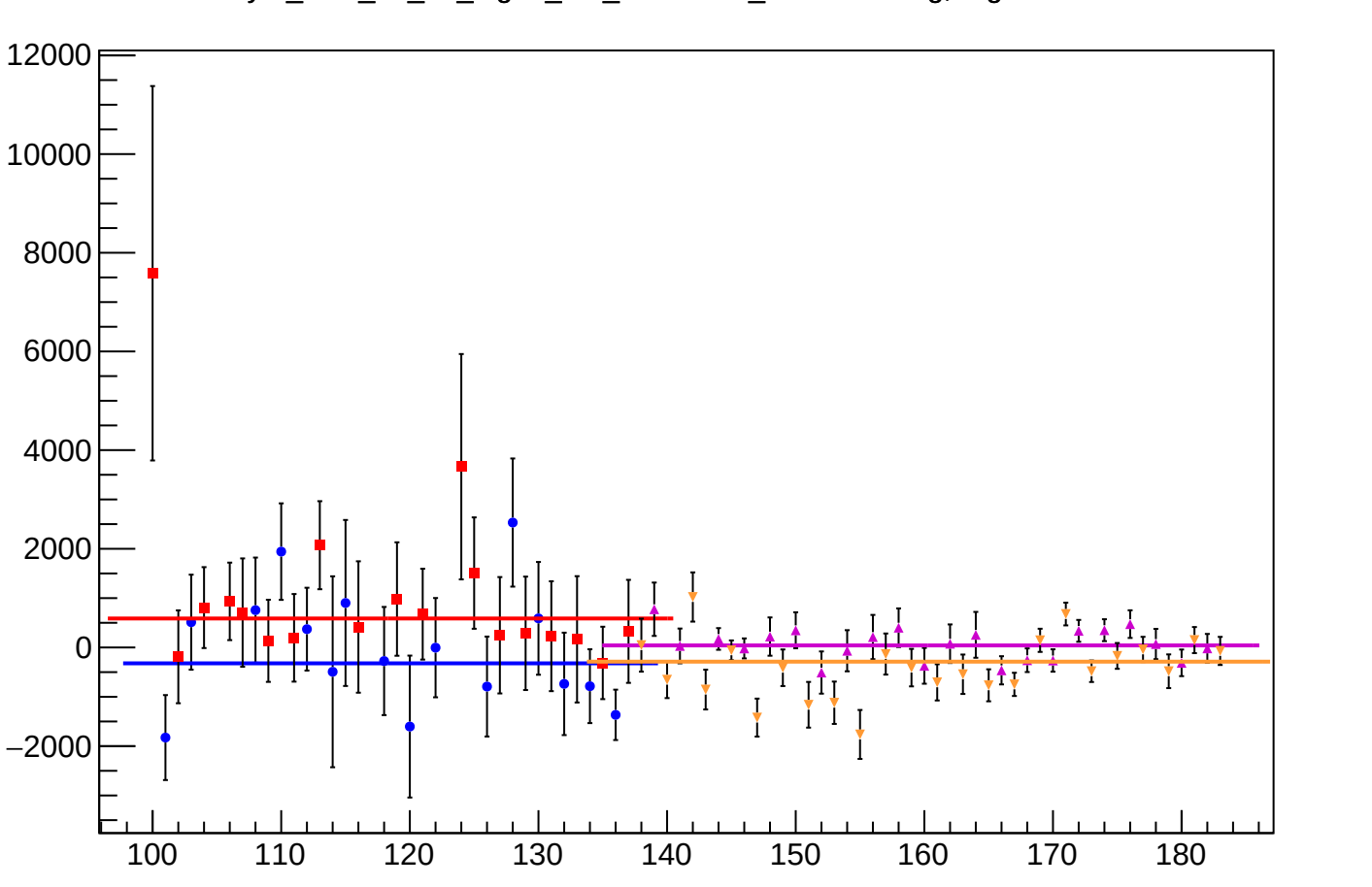
Left: 47.347+/-0.006 χ^2/NDF: 1361878.3/45

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.067+/-0.007 χ^2/NDF:2056331.9/37

Out: 50.090+/-0.007 χ^2/NDF:2288751.2/42

All: 50.079+/-0.005 χ^2/NDF: 4345088.3/80



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -287.541+/-63.099 χ^2/NDF:71.0/23

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 41.453+/-63.130 χ^2/NDF:21.8/21

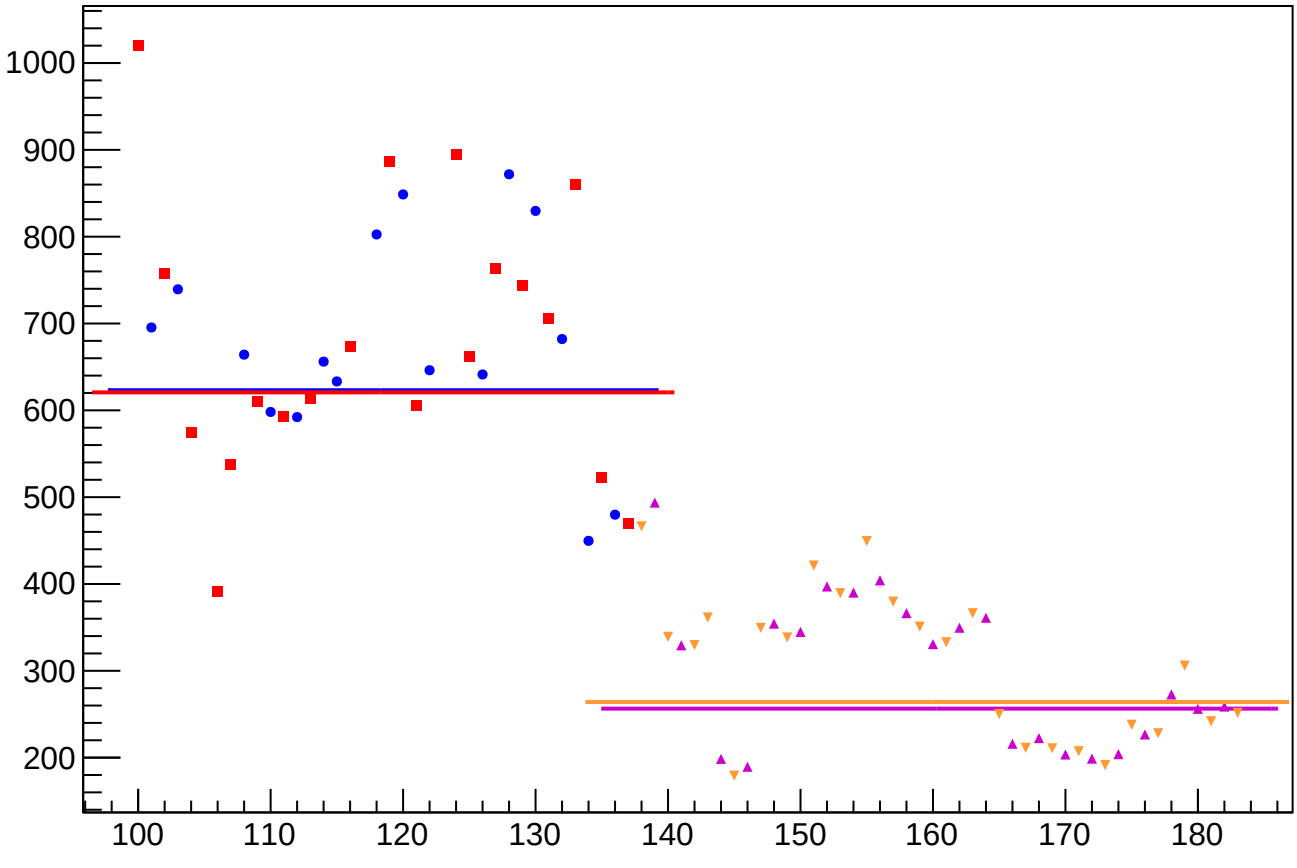
Left: -123.124+/-44.629 χ^2/NDF: 106.4/45

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 17.675+/-61.028 χ^2/NDF:46.7/37

Out: -228.283+/-60.925 χ^2/NDF:96.2/42

All: -105.512+/-43.117 χ^2/NDF: 151.0/80



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 264.061+/-0.045 χ^2/NDF:2852842.7/23

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 256.449+/-0.045 χ^2/NDF:2633852.0/21

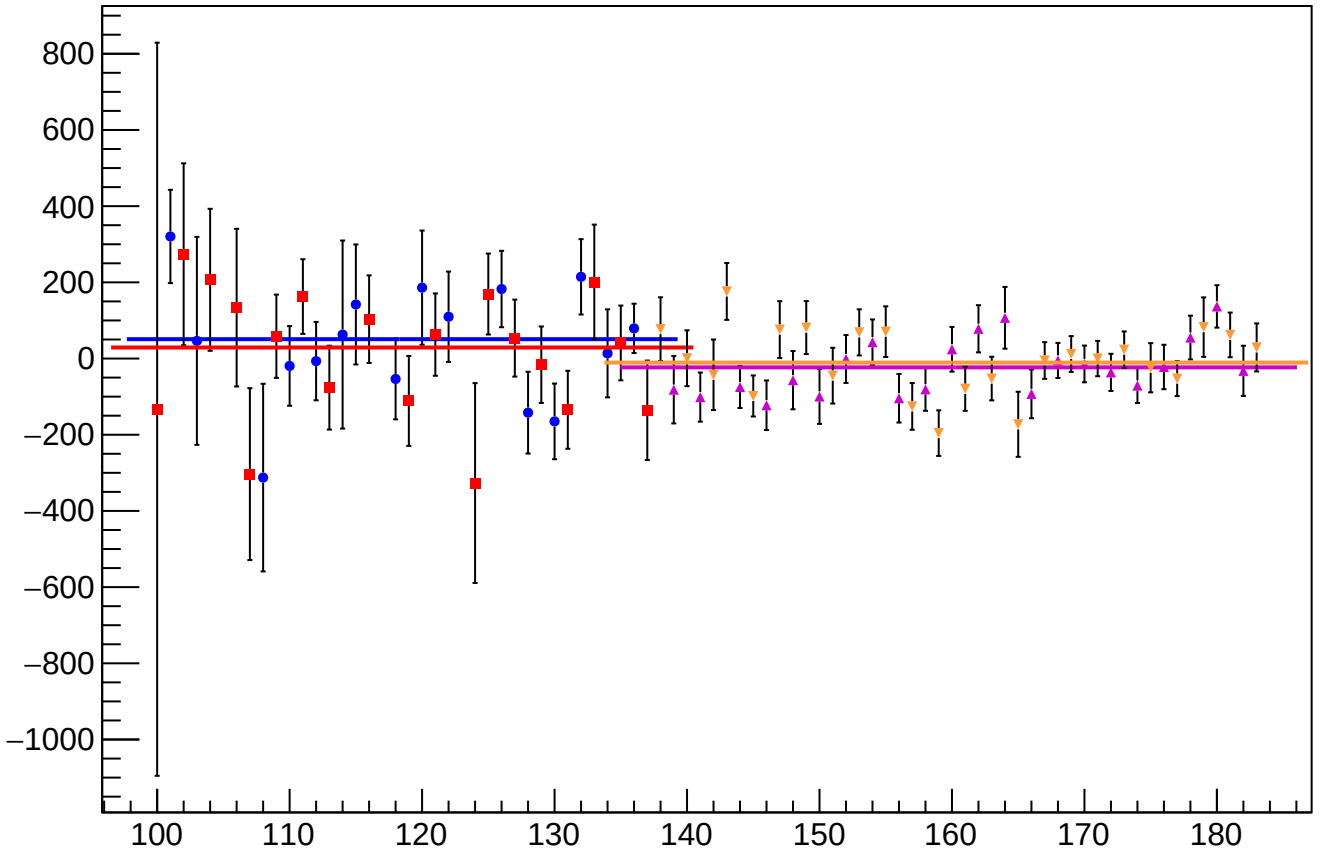
Left: 260.257+/-0.032 χ^2/NDF: 5501237.4/45

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 280.465+/-0.043 χ^2/NDF:7619206.1/37

Out: 288.218+/-0.043 χ^2/NDF:7790802.6/42

All: 284.348+/-0.030 χ^2/NDF: 15426177.0/80



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -10.568+/-12.371 χ^2/NDF:40.4/23

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: -16.751+/-8.831 χ^2/NDF: 69.9/45

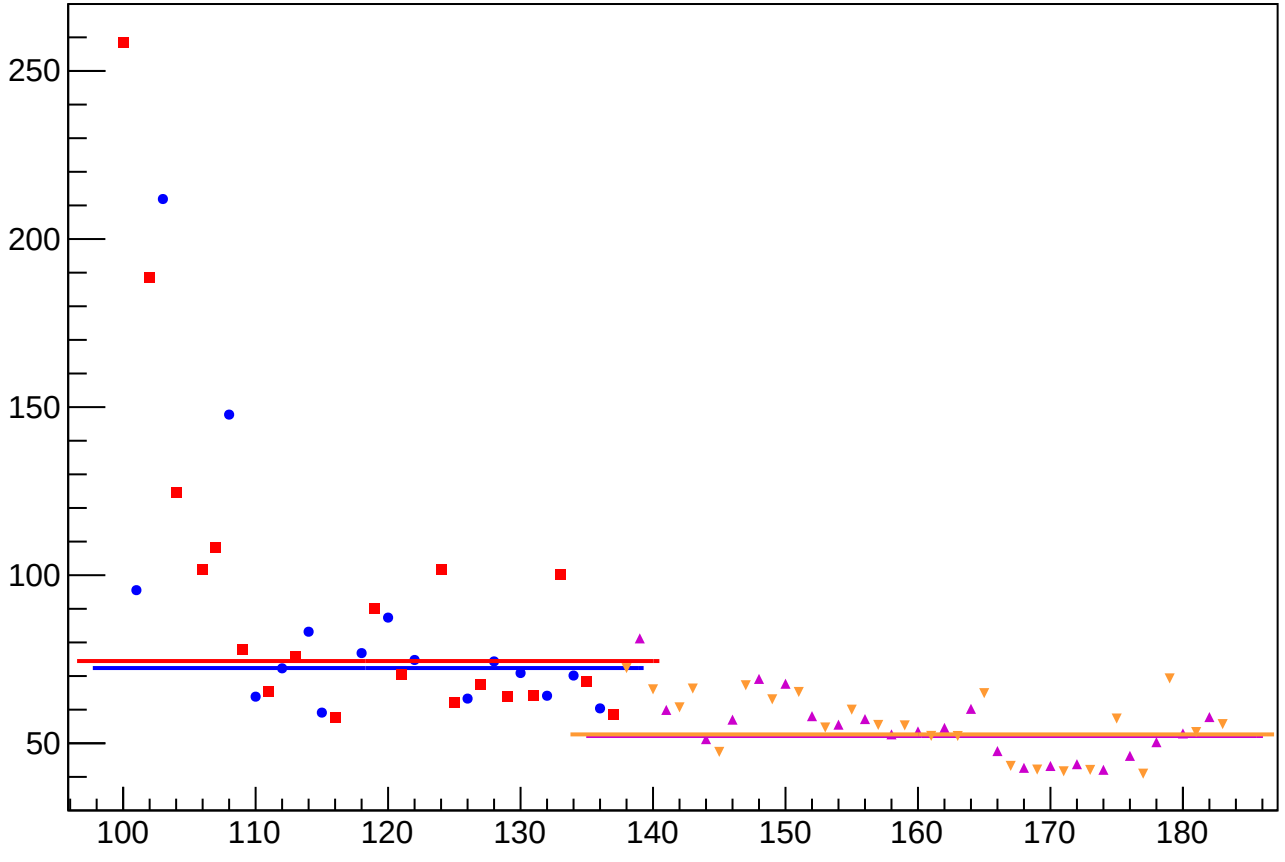
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -10.925+/-11.520 χ^2/NDF:57.6/37

Out: -4.438+/-11.373 χ^2/NDF:60.5/42

All: -7.640+/-8.094 χ^2/NDF: 118.2/80

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.640+/-0.009 χ^2/NDF:1156932.0/23

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 52.161+/-0.009 χ^2/NDF:863724.0/21

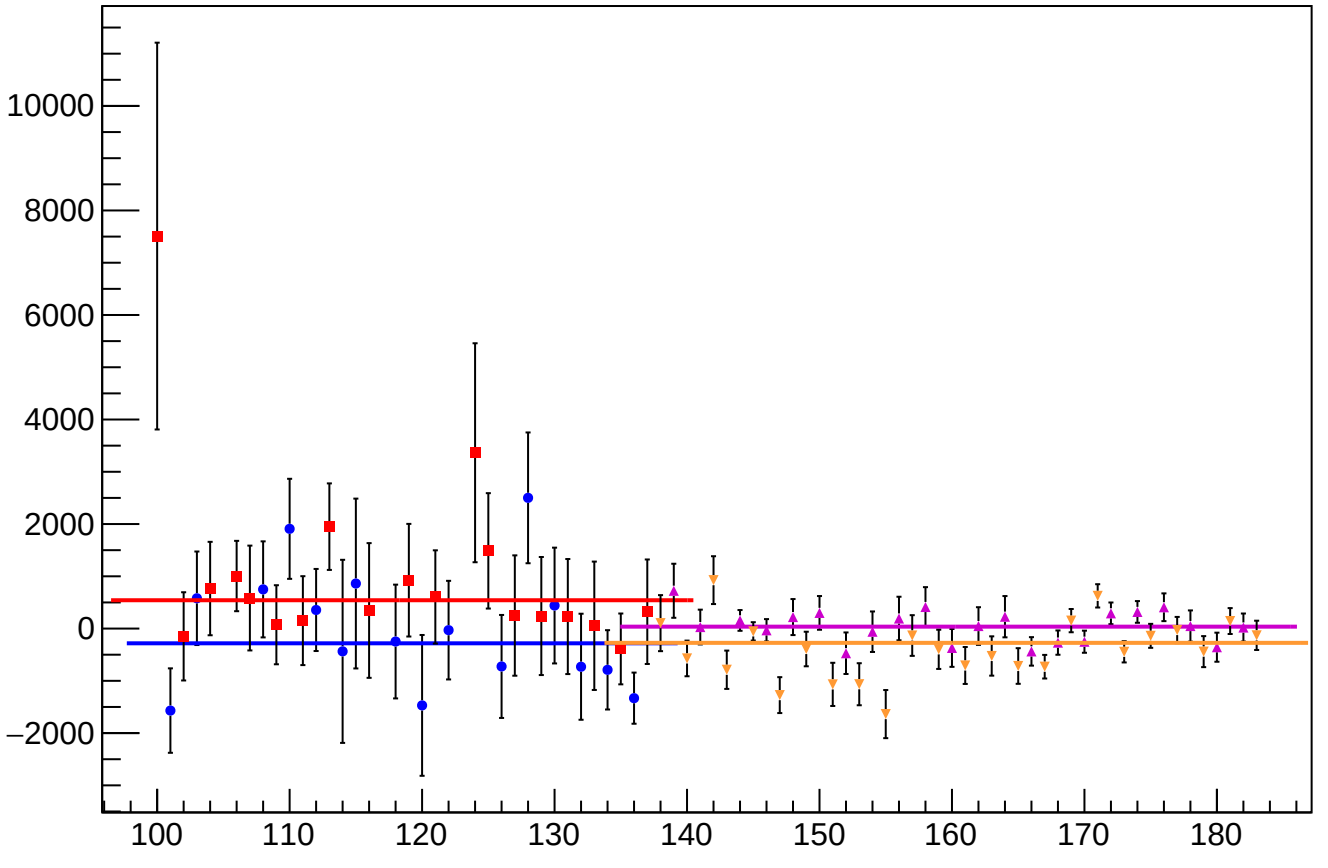
Left: 52.406+/-0.006 χ^2/NDF: 2022126.0/45

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 55.508+/-0.008 χ^2/NDF:2652600.2/37

Out: 56.018+/-0.008 χ^2/NDF:3172502.1/42

All: 55.766+/-0.006 χ^2/NDF: 5827088.3/80



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -273.323+/-58.928 χ^2/NDF:69.9/23

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 36.636+/-59.922 χ^2/NDF:21.4/21

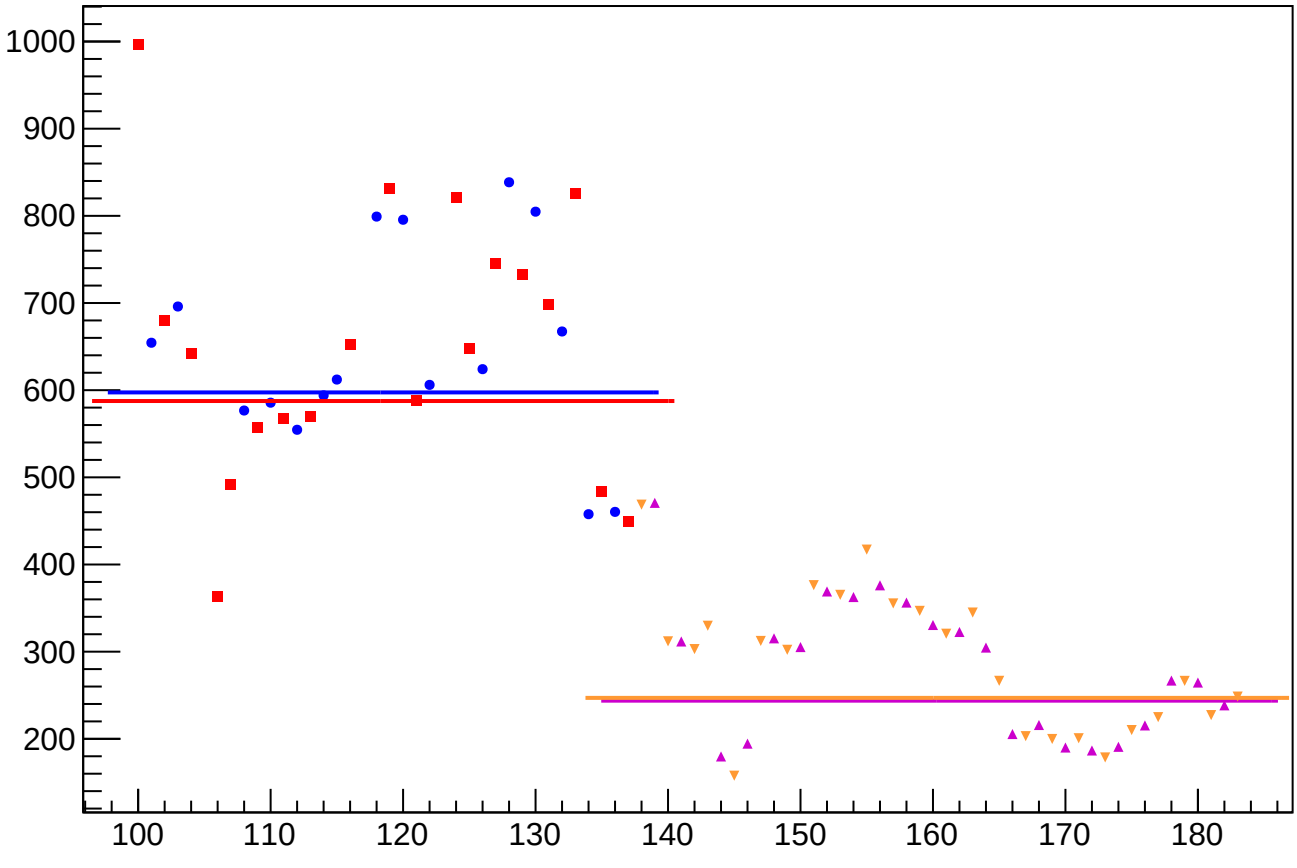
Left: -120.934+/-42.015 χ^2/NDF: 104.9/45

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 16.011+/-57.950 χ^2/NDF:46.0/37

Out: -219.157+/-56.937 χ^2/NDF:95.9/42

All: -103.646+/-40.614 χ^2/NDF: 150.3/80



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 246.987+/-0.042 χ^2/NDF:2925688.8/23

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 243.802+/-0.042 χ^2/NDF:2490528.4/21

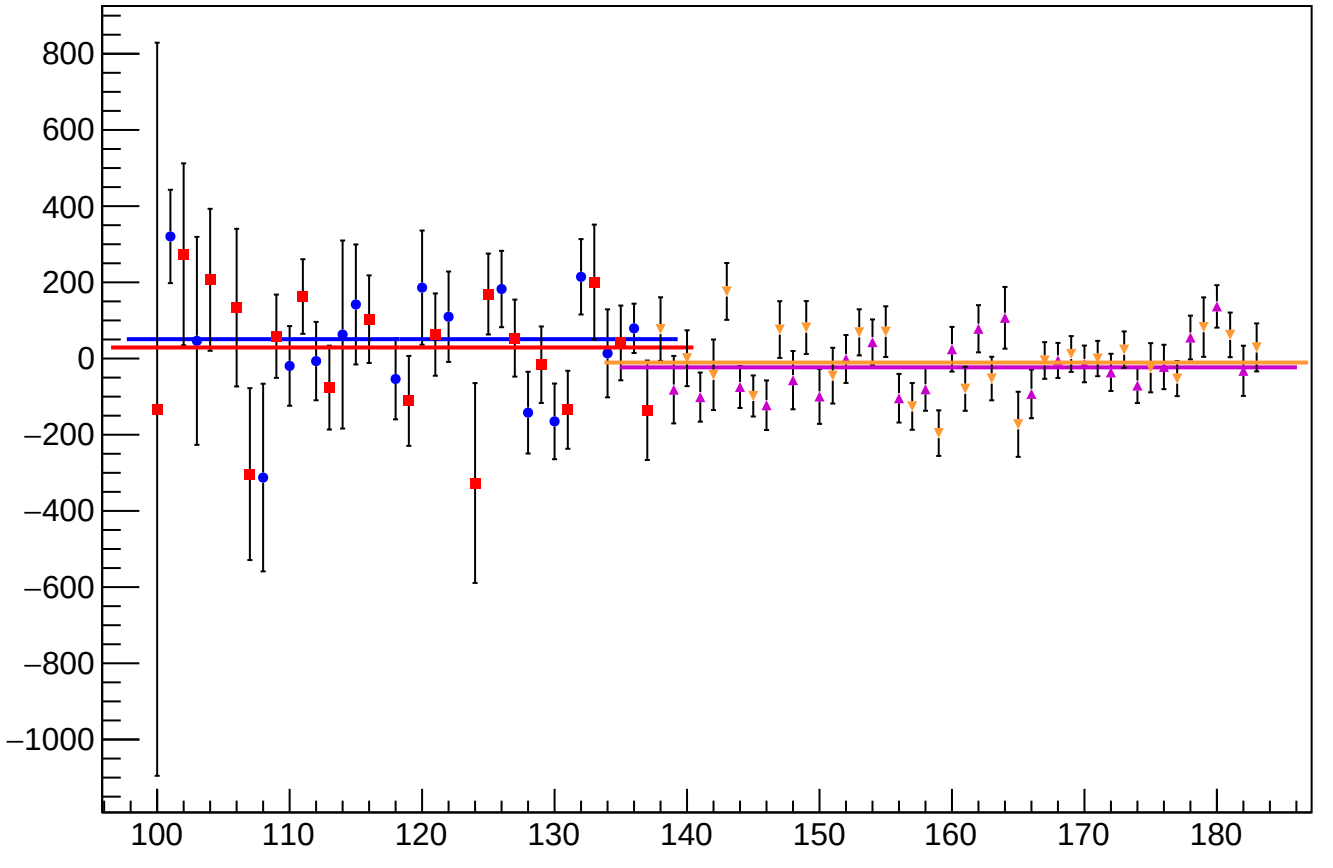
Left: 245.421+/-0.030 χ^2/NDF: 5419090.2/45

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 266.689+/-0.041 χ^2/NDF:7532681.6/37

Out: 269.613+/-0.040 χ^2/NDF:8052865.5/42

All: 268.177+/-0.029 χ^2/NDF: 15588136.8/80



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -10.567+/-12.371 χ^2/NDF:40.4/23

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -23.178+/-12.611 χ^2/NDF:29.0/21

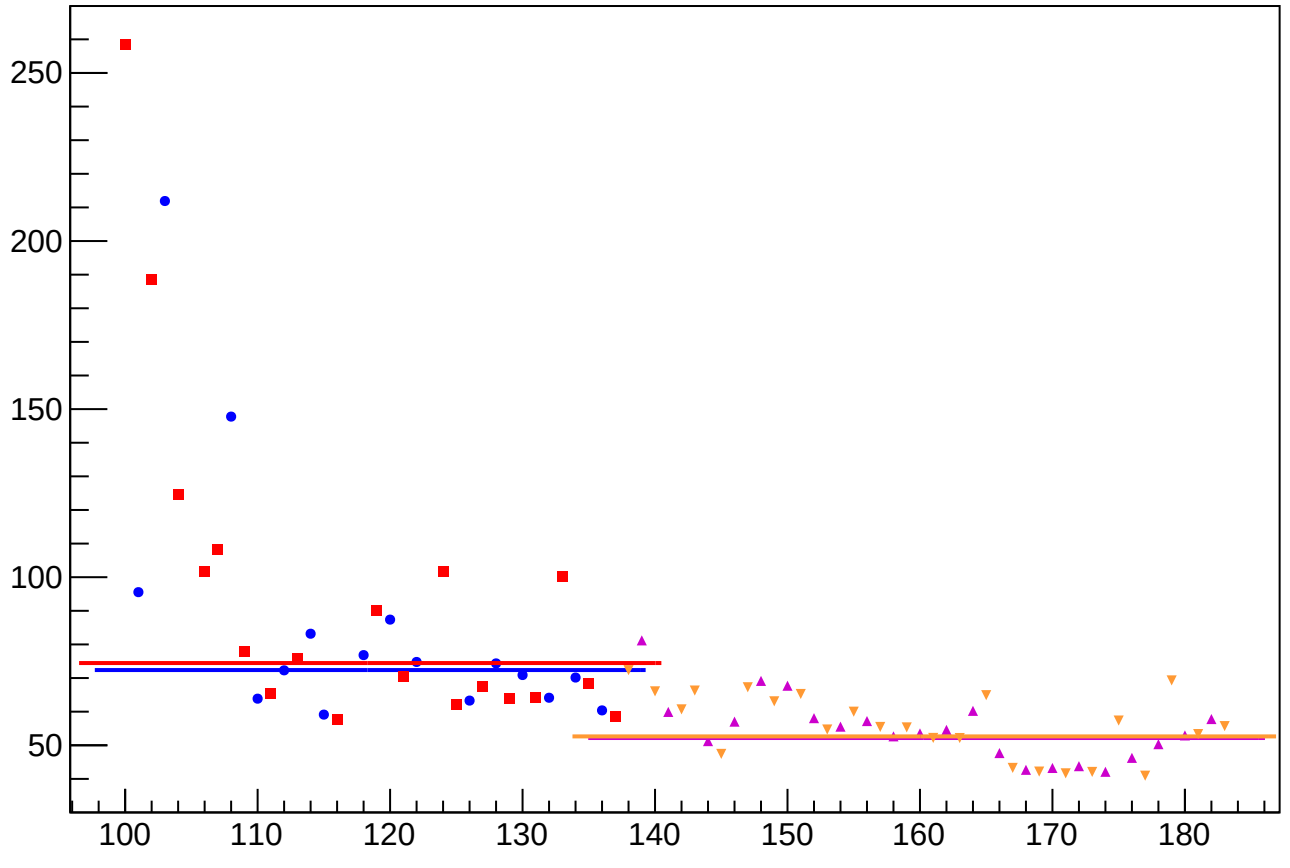
Left: -16.751+/-8.831 χ^2/NDF: 69.9/45

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -10.926+/-11.520 χ^2/NDF:57.6/37

Out: -4.437+/-11.373 χ^2/NDF:60.5/42

All: -7.640+/-8.094 χ^2/NDF: 118.2/80



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.640+/-0.009 χ^2/NDF:1156960.0/23

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 52.162+/-0.009 χ^2/NDF:863732.9/21

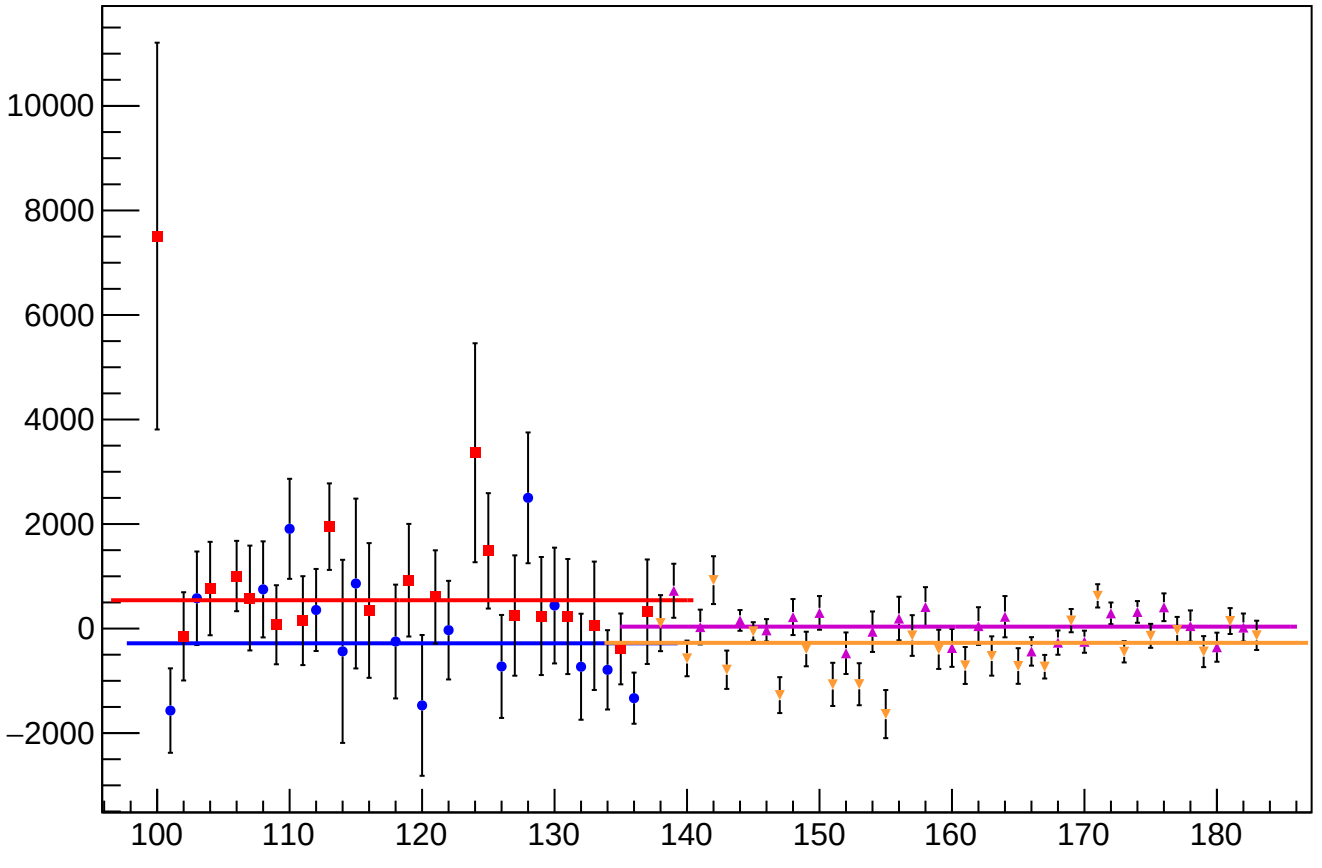
Left: 52.406+/-0.006 χ^2/NDF: 2022162.9/45

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 55.508+/-0.008 χ^2/NDF:2652599.3/37

Out: 56.018+/-0.008 χ^2/NDF:3172512.9/42

All: 55.766+/-0.006 χ^2/NDF: 5827098.3/80



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -273.323+/-58.928 χ^2/NDF:69.9/23

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: -120.935+/-42.015 χ^2/NDF: 104.9/45

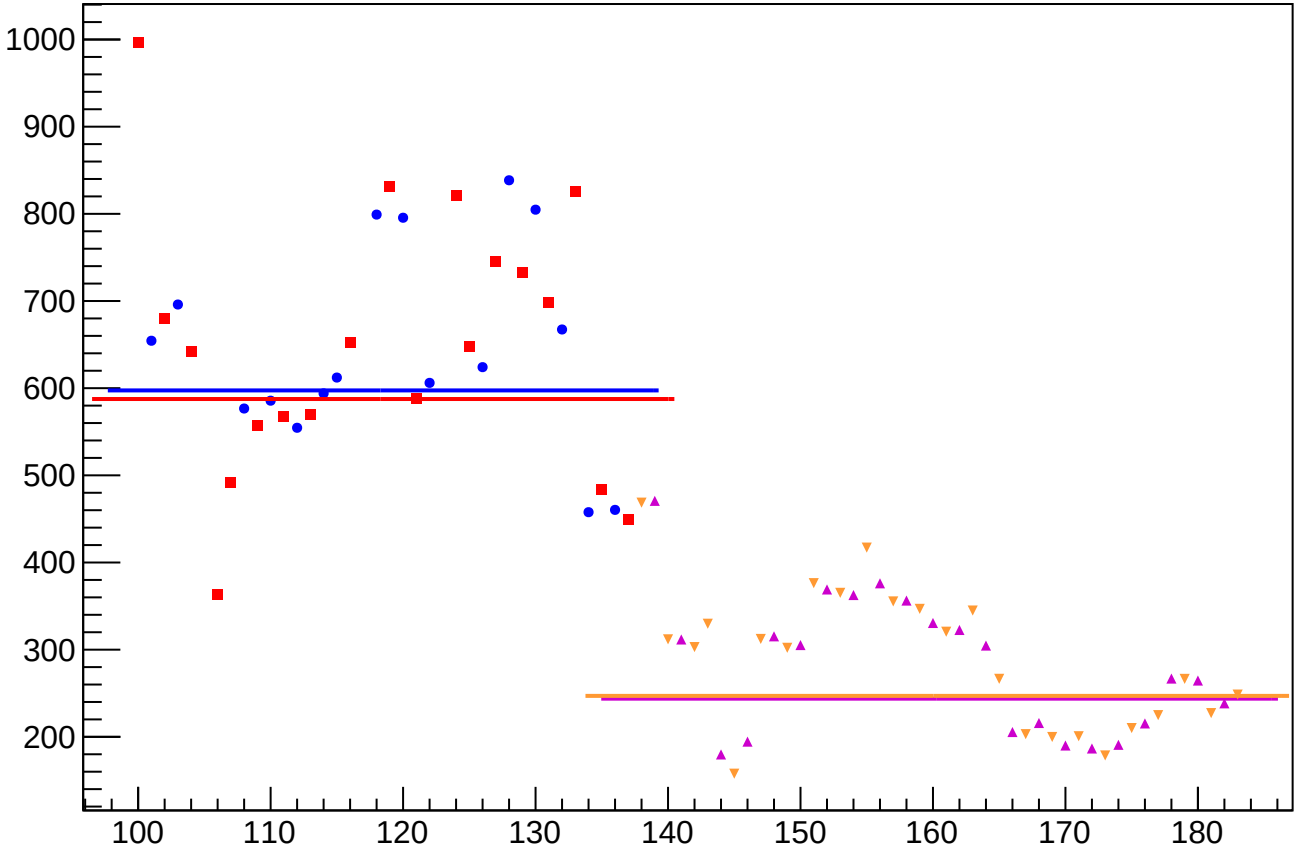
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 16.011+/-57.950 χ^2/NDF:46.0/37

Out: -219.157+/-56.937 χ^2/NDF:95.9/42

All: -103.646+/-40.614 χ^2/NDF: 150.3/80

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: 246.987+/-0.042 χ^2/NDF:2925677.3/23

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 243.801+/-0.042 χ^2/NDF:2490521.6/21

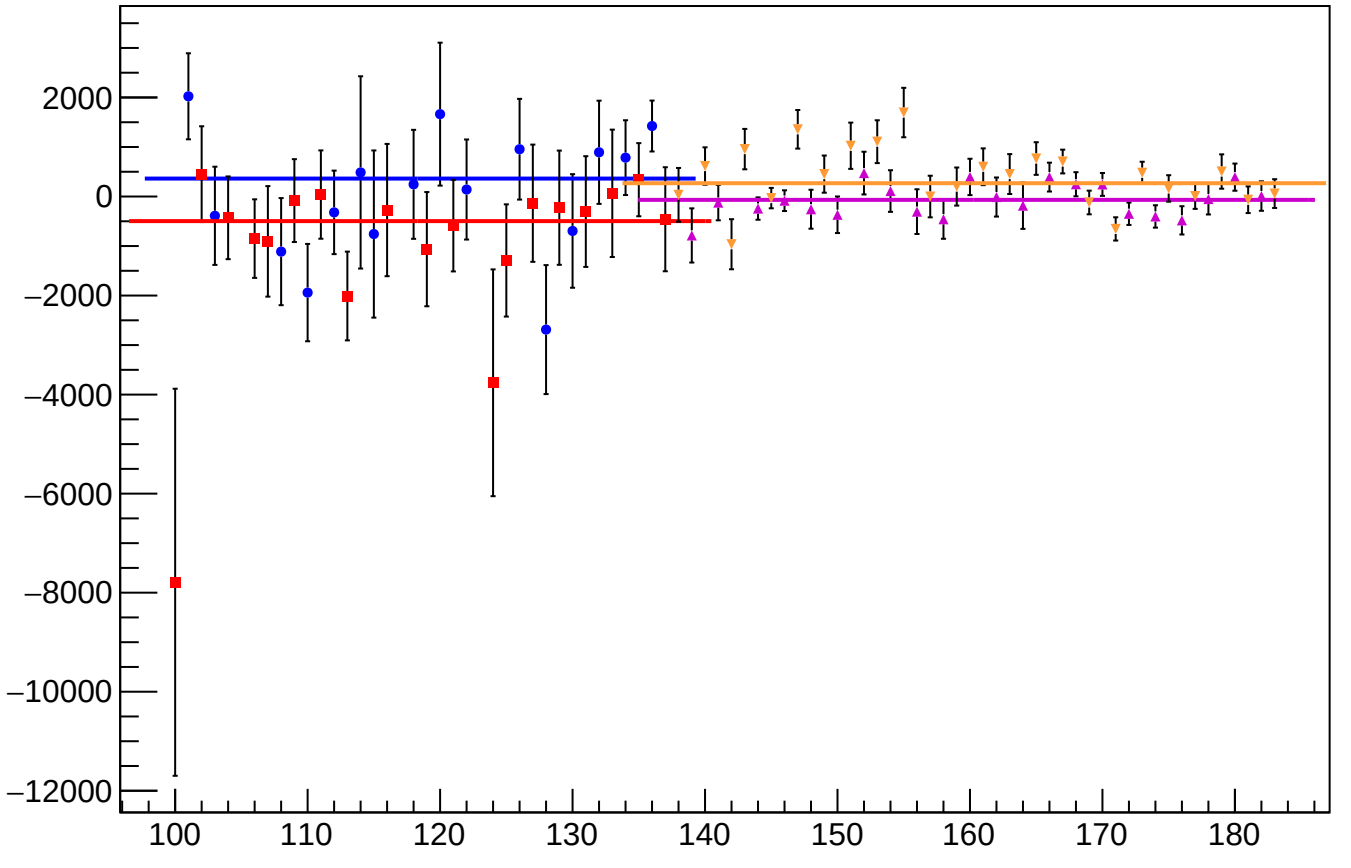
Left: 245.421+/-0.030 χ^2/NDF: 5419072.2/45

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 266.689+/-0.041 χ^2/NDF:7532682.6/37

Out: 269.613+/-0.040 χ^2/NDF:8052850.9/42

All: 268.177+/-0.029 χ^2/NDF: 15588123.3/80



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 268.796+/-64.182 χ^2/NDF:64.3/23

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: 100.962+/-45.429 χ^2/NDF: 100.6/45

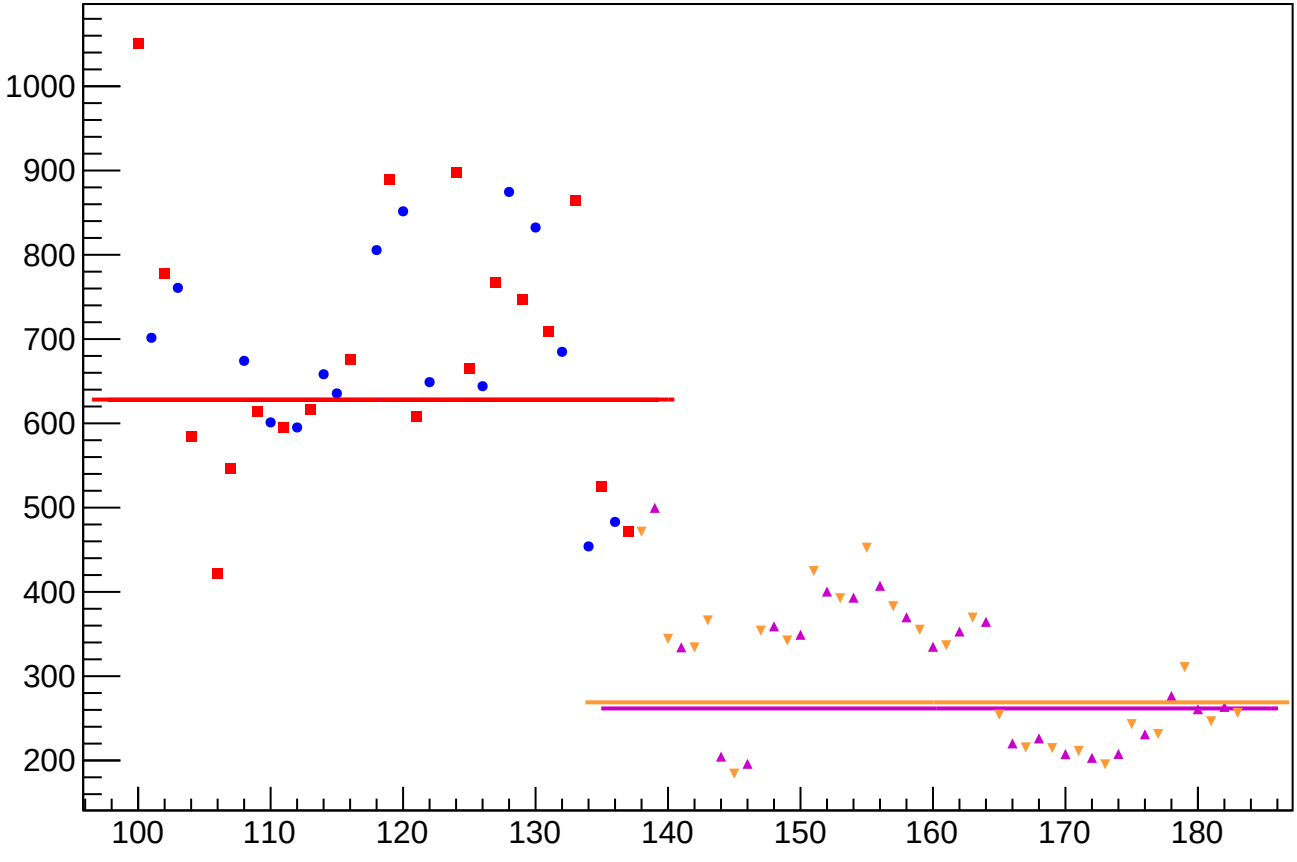
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -38.815+/-62.125 χ^2/NDF:50.7/37

Out: 216.095+/-61.933 χ^2/NDF:86.8/42

All: 89.035+/-43.861 χ^2/NDF: 145.9/80

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 268.961+/-0.045 χ^2/NDF:2762567.5/23

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 261.700+/-0.045 χ^2/NDF:2532348.2/21

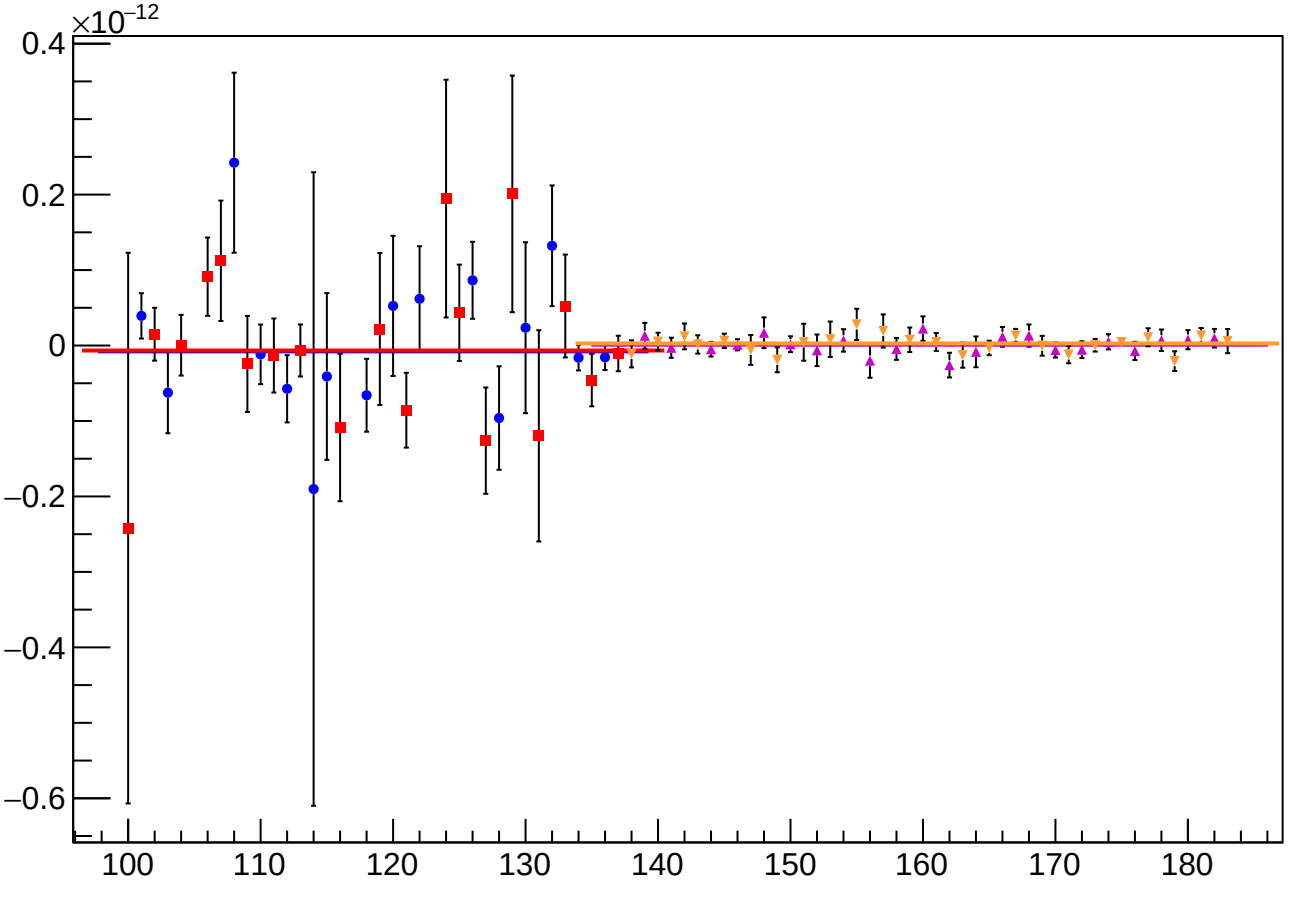
Left: 265.338+/-0.032 χ^2/NDF: 5307685.5/45

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 286.176+/-0.044 χ^2/NDF:7433205.6/37

Out: 293.698+/-0.044 χ^2/NDF:7648816.3/42

All: 289.949+/-0.031 χ^2/NDF: 15096728.5/80



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/21

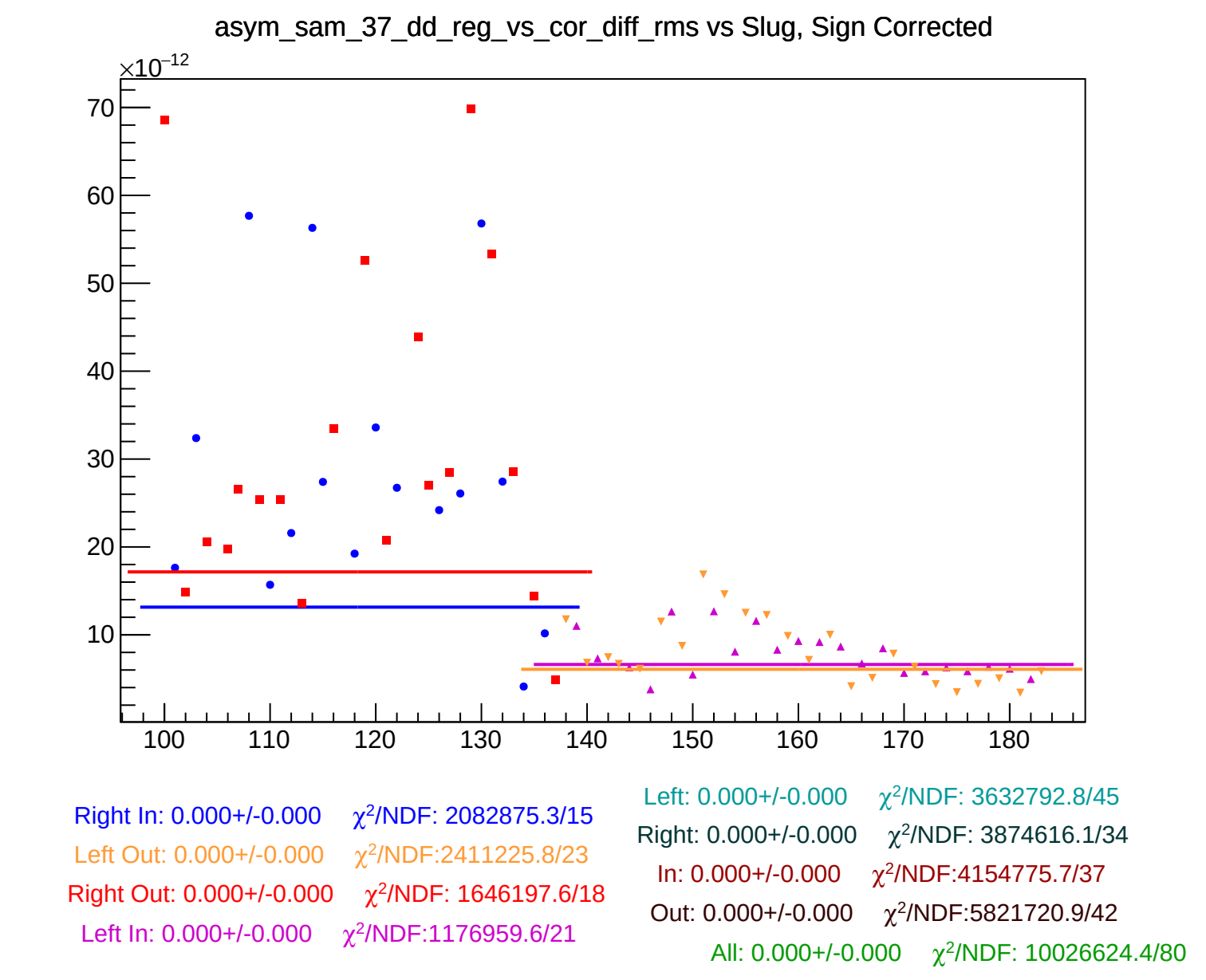
Left: 0.000+/-0.000 χ^2/NDF: 25.9/45

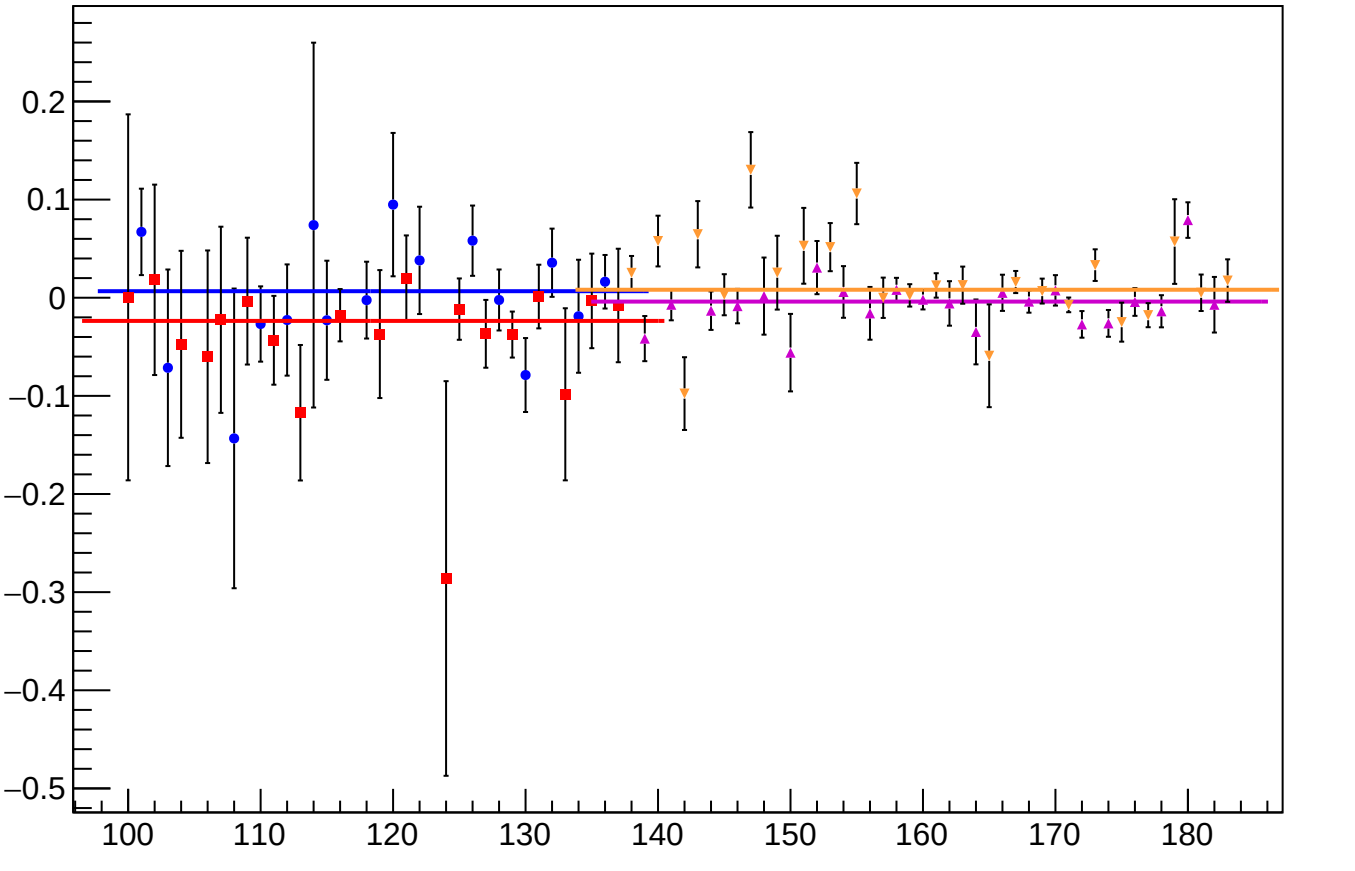
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:33.0/37

Out: 0.000+/-0.000 χ^2/NDF:35.1/42

All: 0.000+/-0.000 χ^2/NDF: 68.4/80


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2411225.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1176959.6/21
Left: 0.000+/-0.000 χ²/NDF: 3632792.8/45
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:4154775.7/37
Out: 0.000+/-0.000 χ²/NDF:5821720.9/42
All: 0.000+/-0.000 χ²/NDF: 10026624.4/80



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.003 χ^2/NDF:58.5/23

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: 100.6/45

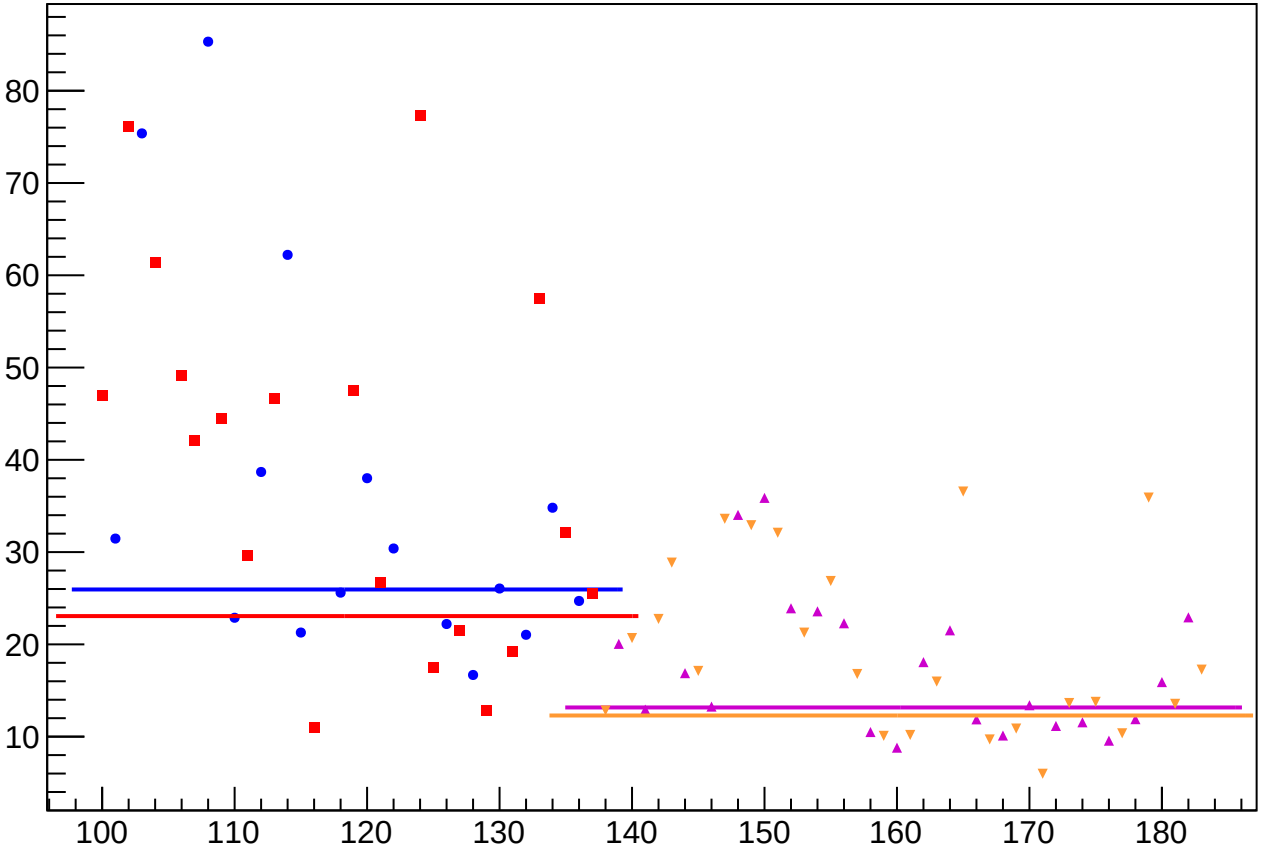
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.003 χ^2/NDF:52.2/37

Out: 0.005+/-0.003 χ^2/NDF:74.2/42

All: 0.001+/-0.002 χ^2/NDF: 129.2/80

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: 12.291+/-0.002 χ^2/NDF:6482193.0/23

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.162+/-0.003 χ^2/NDF:3686076.1/21

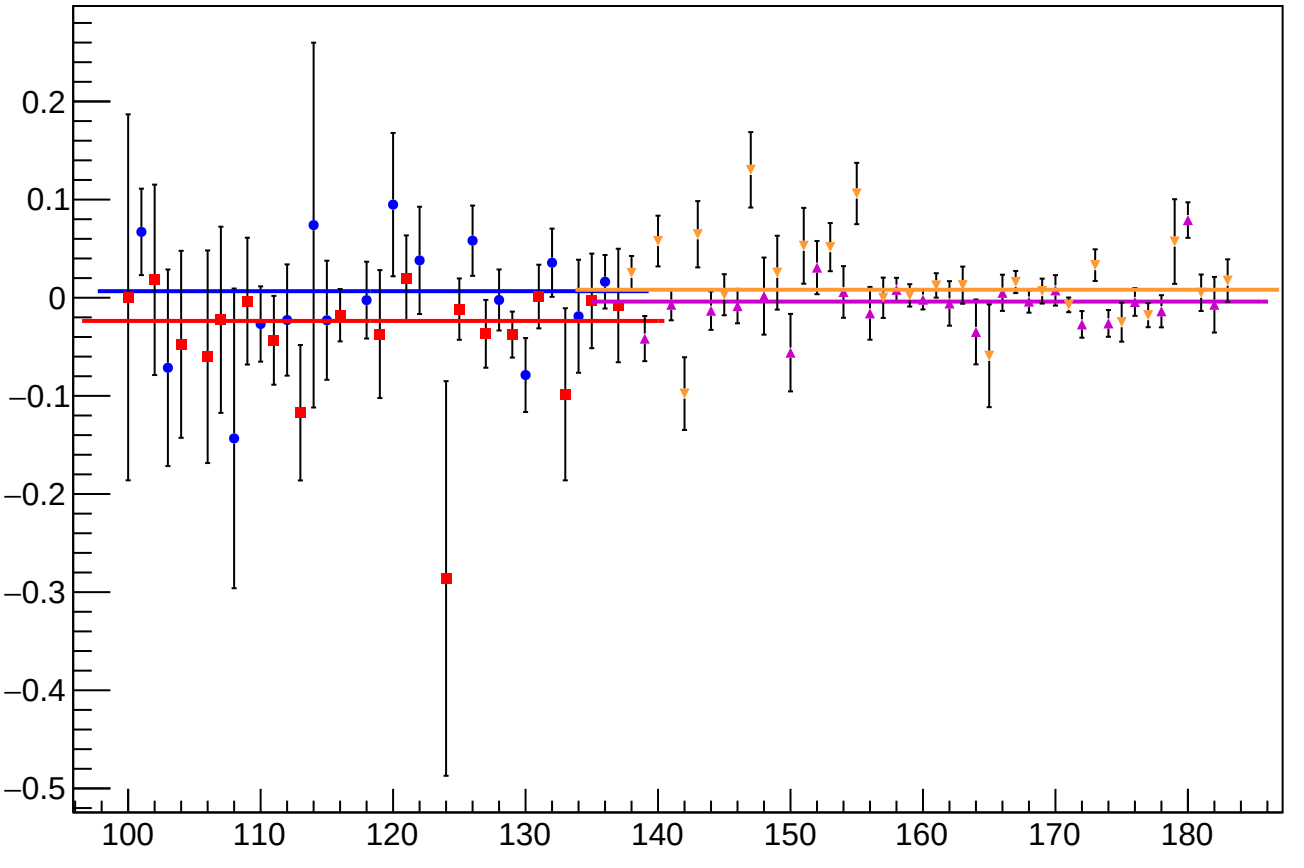
Left: 12.704+/-0.002 χ^2/NDF: 10228427.2/45

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.403+/-0.002 χ^2/NDF:7464386.0/37

Out: 13.345+/-0.002 χ^2/NDF:11742164.4/42

All: 13.847+/-0.002 χ^2/NDF: 19305093.1/80



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.003 χ^2/NDF:58.5/23

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.004 χ^2/NDF:36.4/21

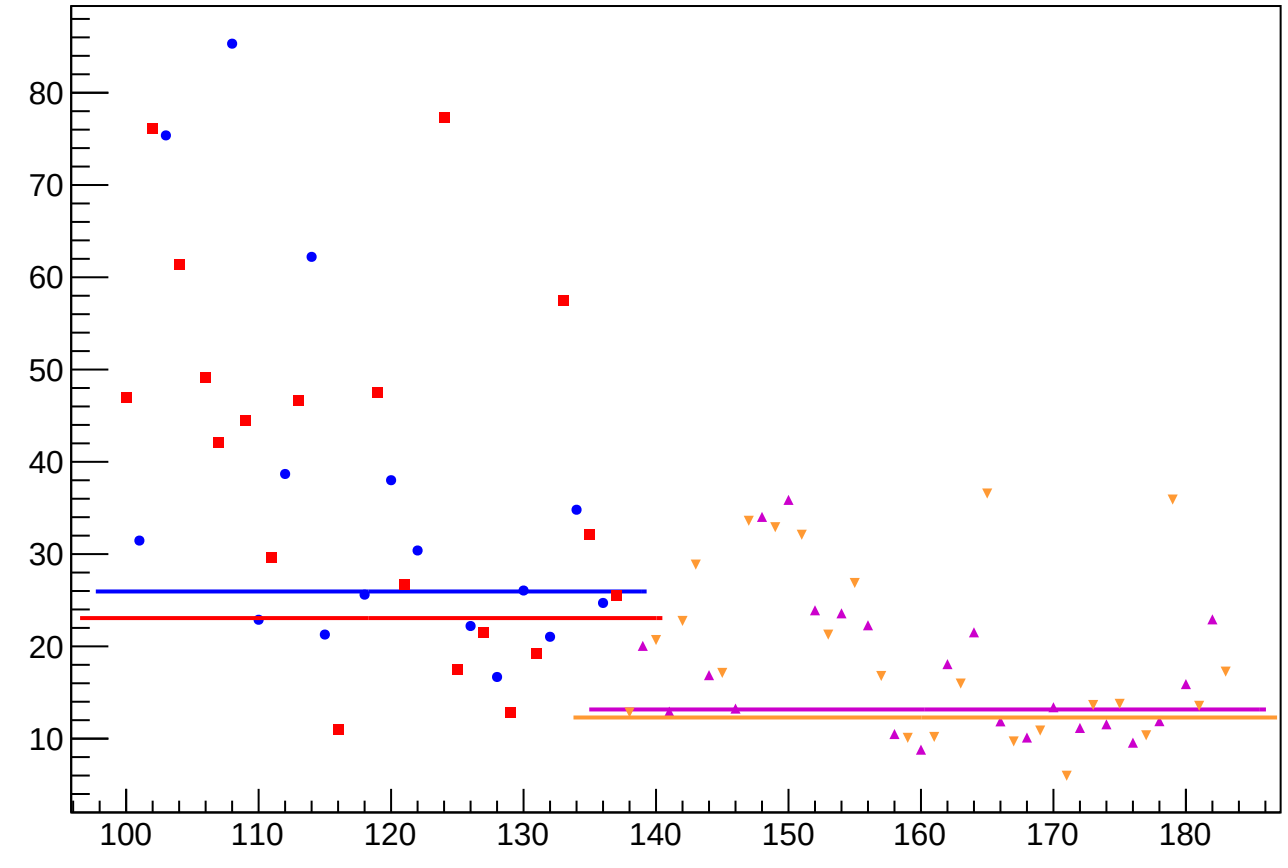
Left: 0.002+/-0.003 χ^2/NDF: 100.6/45

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:74.2/42

All: 0.001+/-0.002 χ^2/NDF: 129.2/80



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.291+/-0.002 χ^2/NDF:6482193.0/23

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.162+/-0.003 χ^2/NDF:3686076.1/21

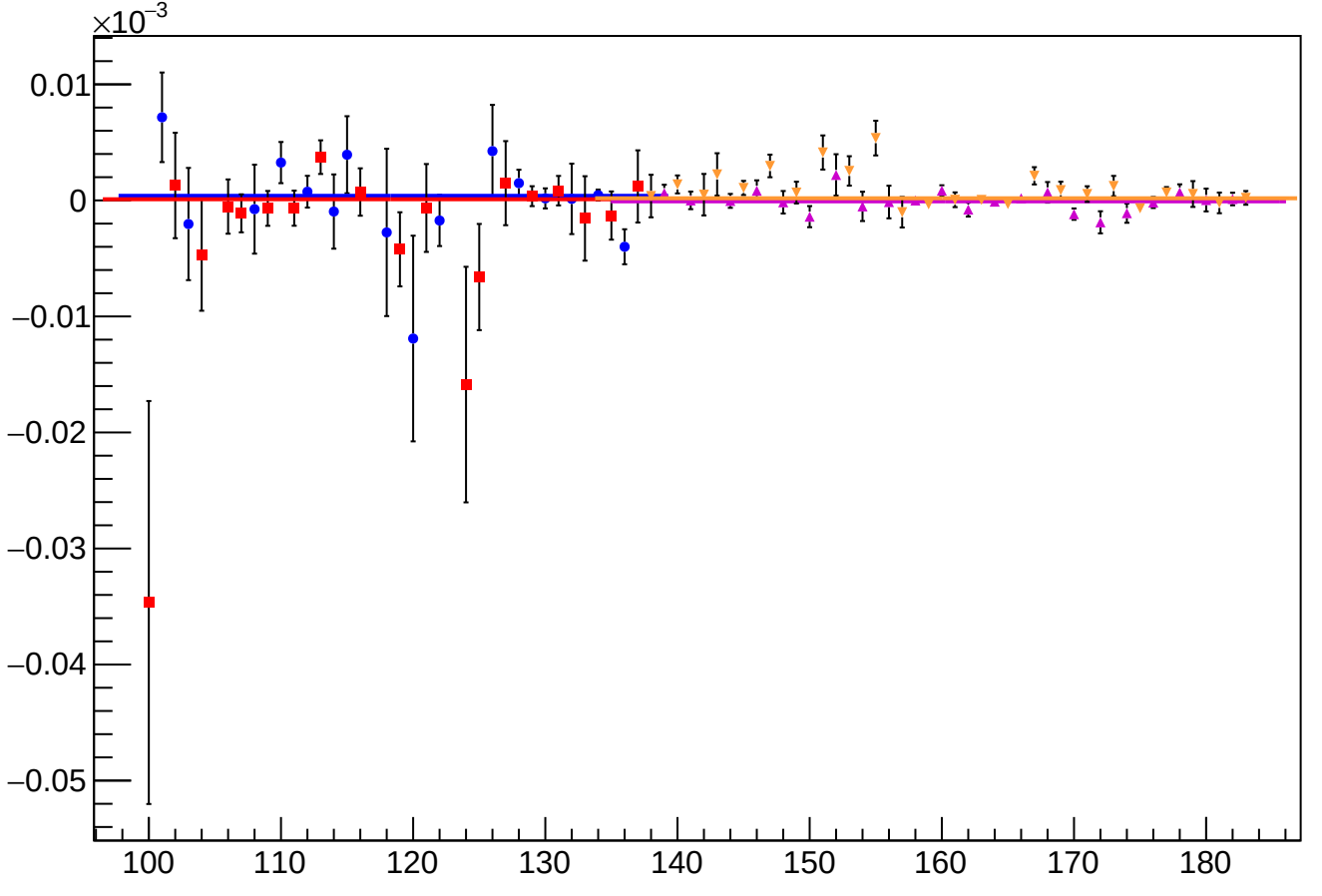
Left: 12.704+/-0.002 χ^2/NDF: 10228427.2/45

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.403+/-0.002 χ^2/NDF:7464386.0/37

Out: 13.345+/-0.002 χ^2/NDF:11742164.4/42

All: 13.847+/-0.002 χ^2/NDF: 19305093.1/80



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:60.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:24.0/21

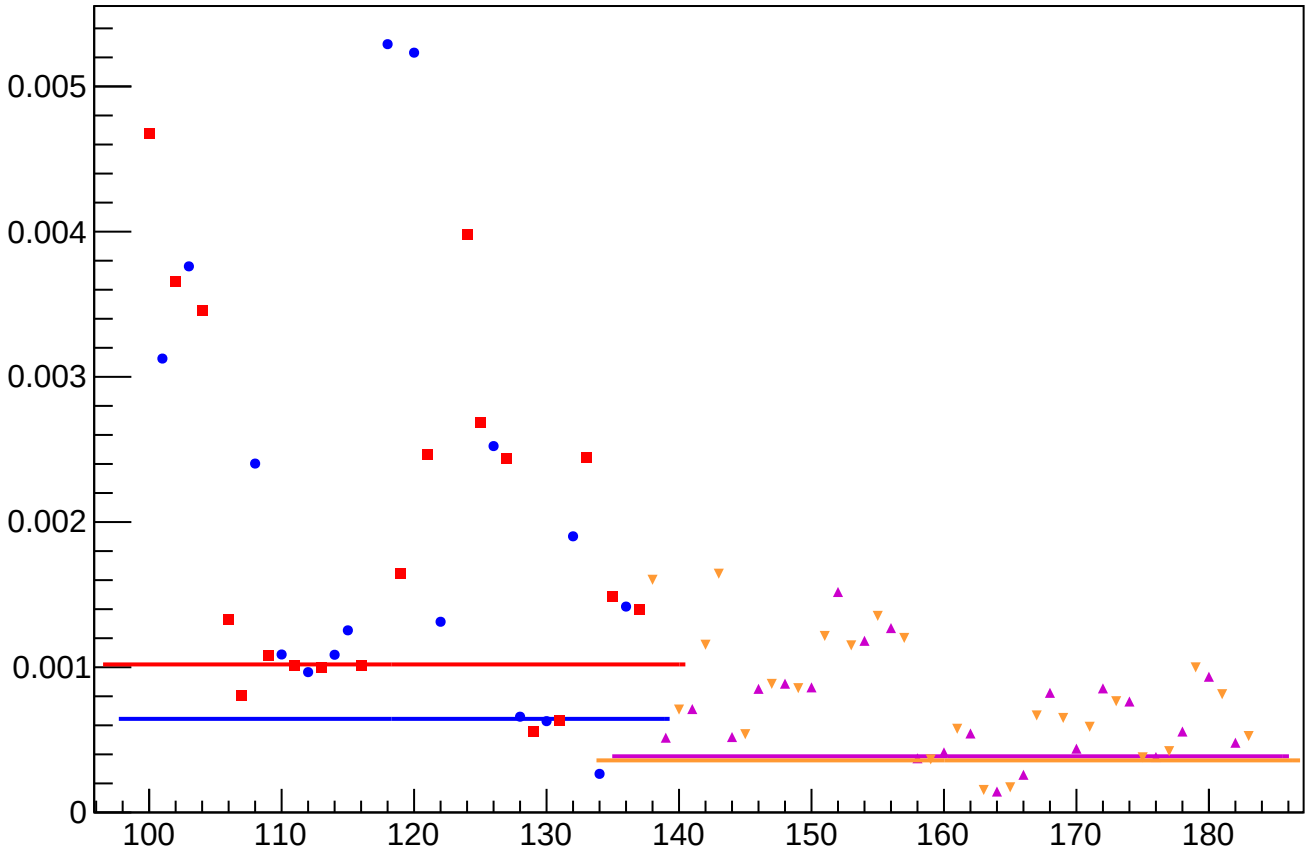
Left: 0.000+/-0.000 χ^2/NDF: 87.1/45

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:80.6/42

All: 0.000+/-0.000 χ^2/NDF: 129.3/80



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13986741.6/23

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10443638.5/21

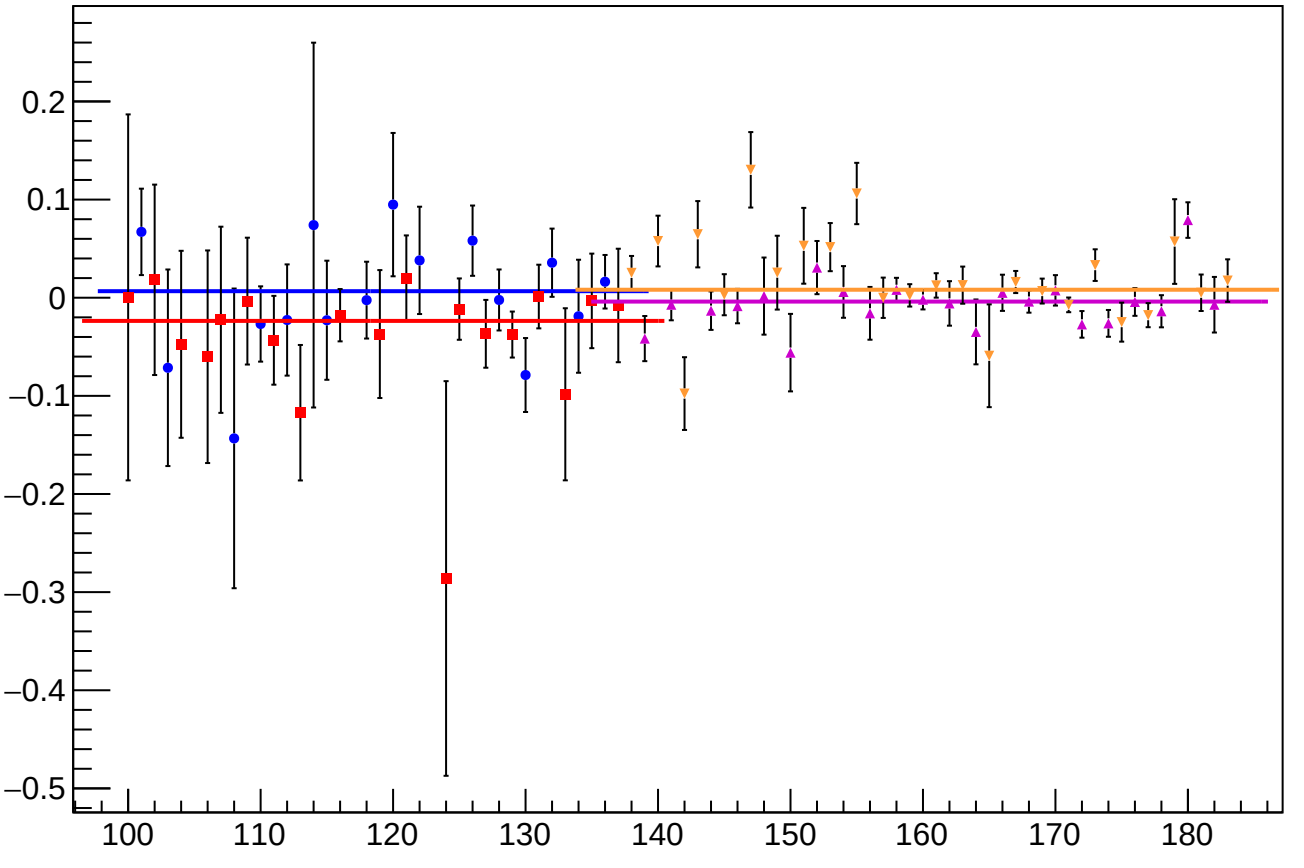
Left: 0.000+/-0.000 χ^2/NDF: 24496363.2/45

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:21736023.7/42

All: 0.000+/-0.000 χ^2/NDF: 39824308.0/80



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.003 χ^2/NDF:58.5/23

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.004 χ^2/NDF:36.4/21

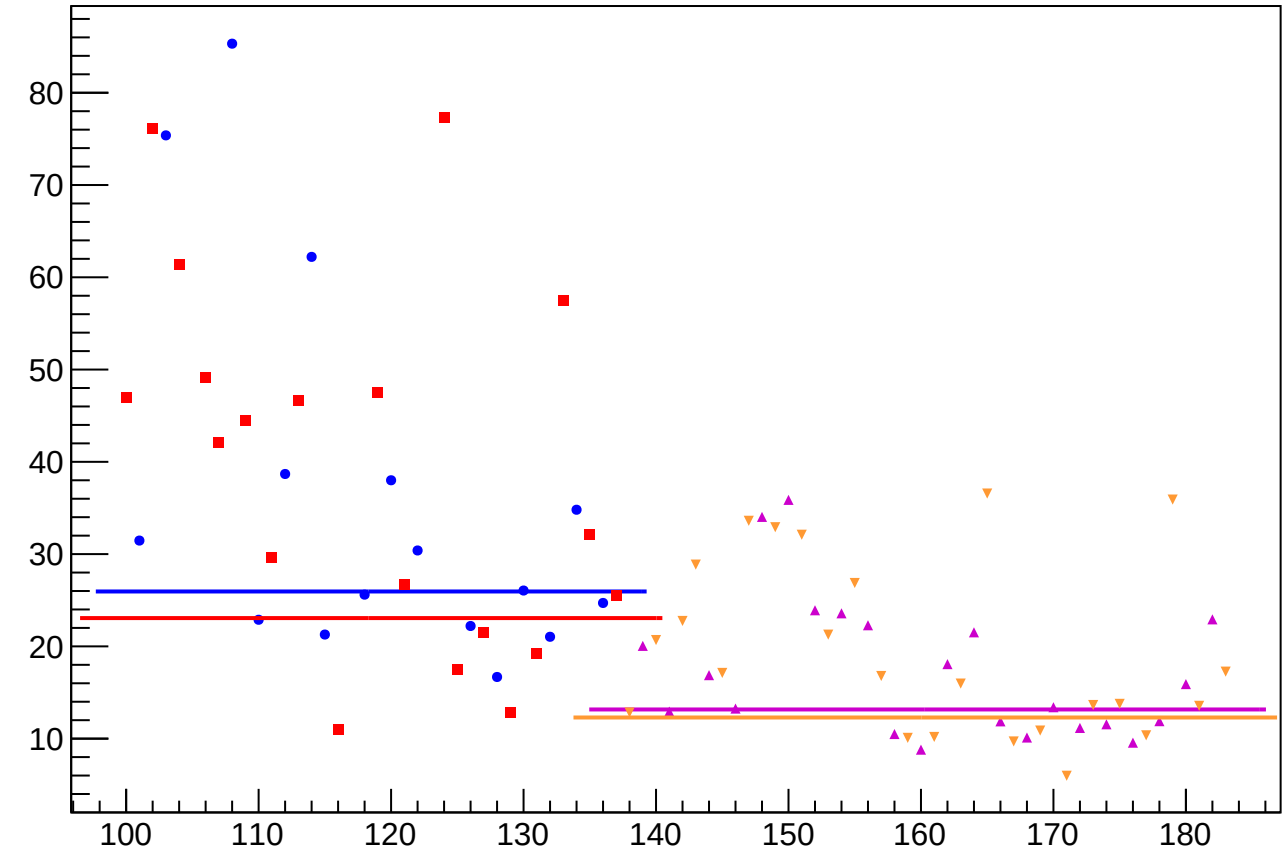
Left: 0.002+/-0.003 χ^2/NDF: 100.6/45

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:74.2/42

All: 0.001+/-0.002 χ^2/NDF: 129.2/80



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.292+/-0.002 χ^2/NDF:6482424.1/23

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.162+/-0.003 χ^2/NDF:3686232.7/21

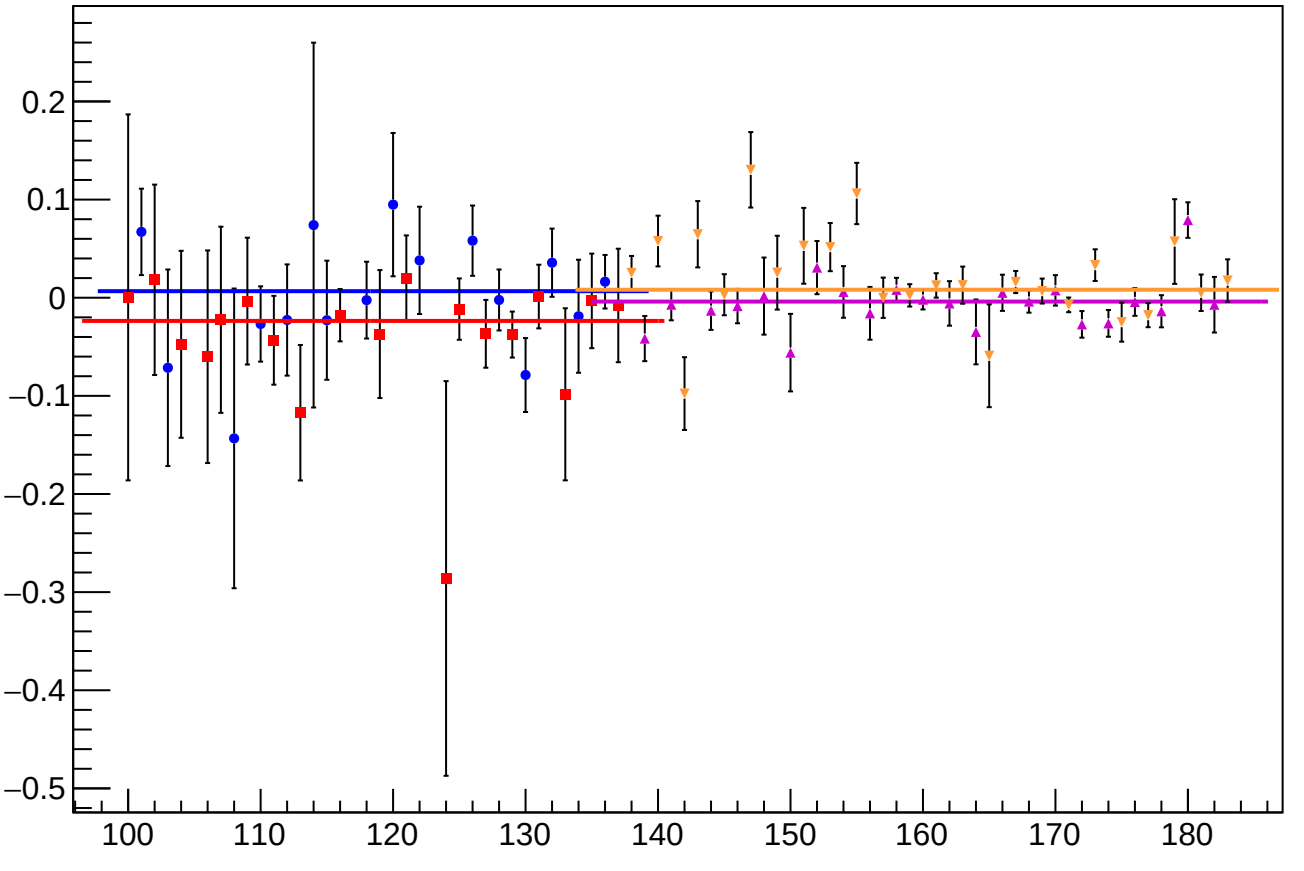
Left: 12.704+/-0.002 χ^2/NDF: 10228808.5/45

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.403+/-0.002 χ^2/NDF:7464578.1/37

Out: 13.345+/-0.002 χ^2/NDF:11742329.5/42

All: 13.847+/-0.002 χ^2/NDF: 19305440.1/80



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.003 χ^2/NDF:58.5/23

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: 100.6/45

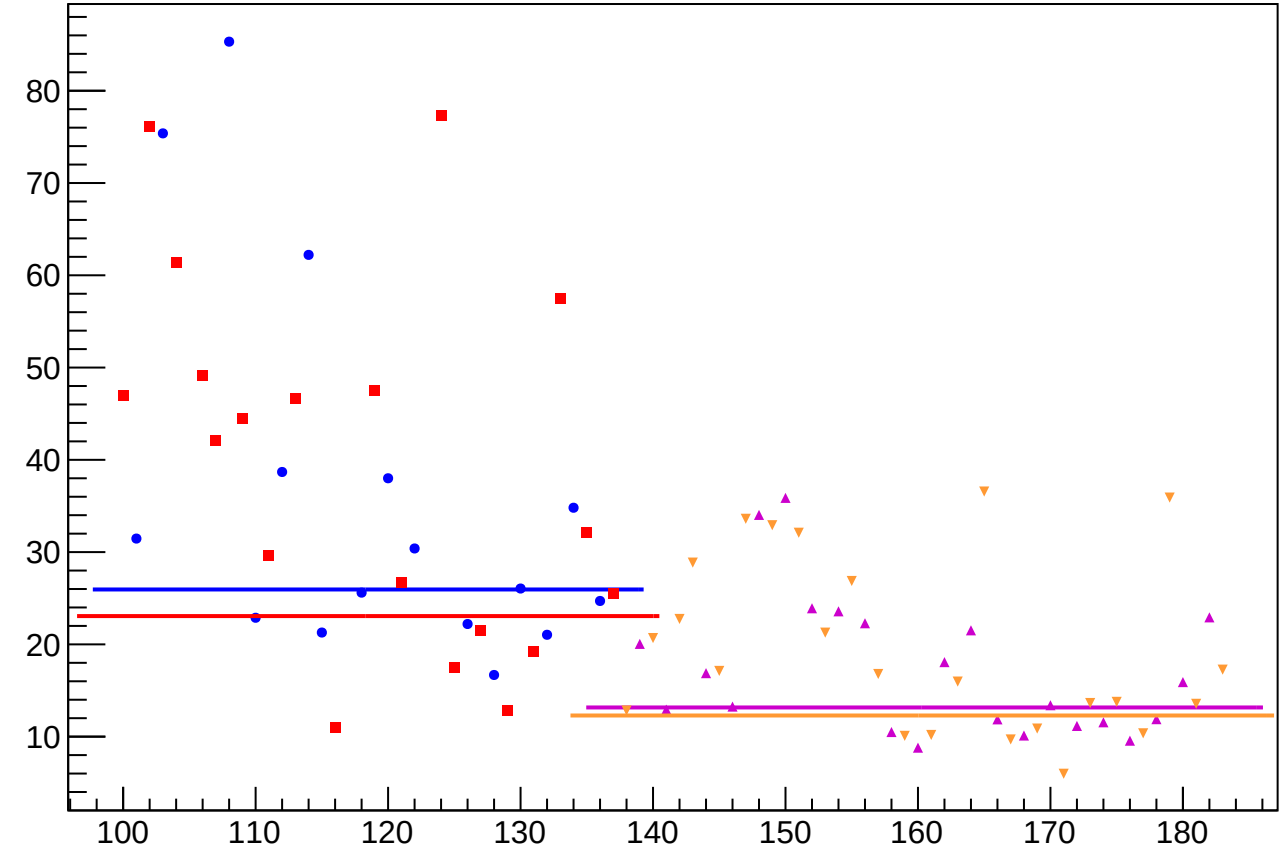
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.003 χ^2/NDF:52.2/37

Out: 0.005+/-0.003 χ^2/NDF:74.2/42

All: 0.001+/-0.002 χ^2/NDF: 129.2/80

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: 12.292+/-0.002 χ^2/NDF:6482424.1/23

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.162+/-0.003 χ^2/NDF:3686232.7/21

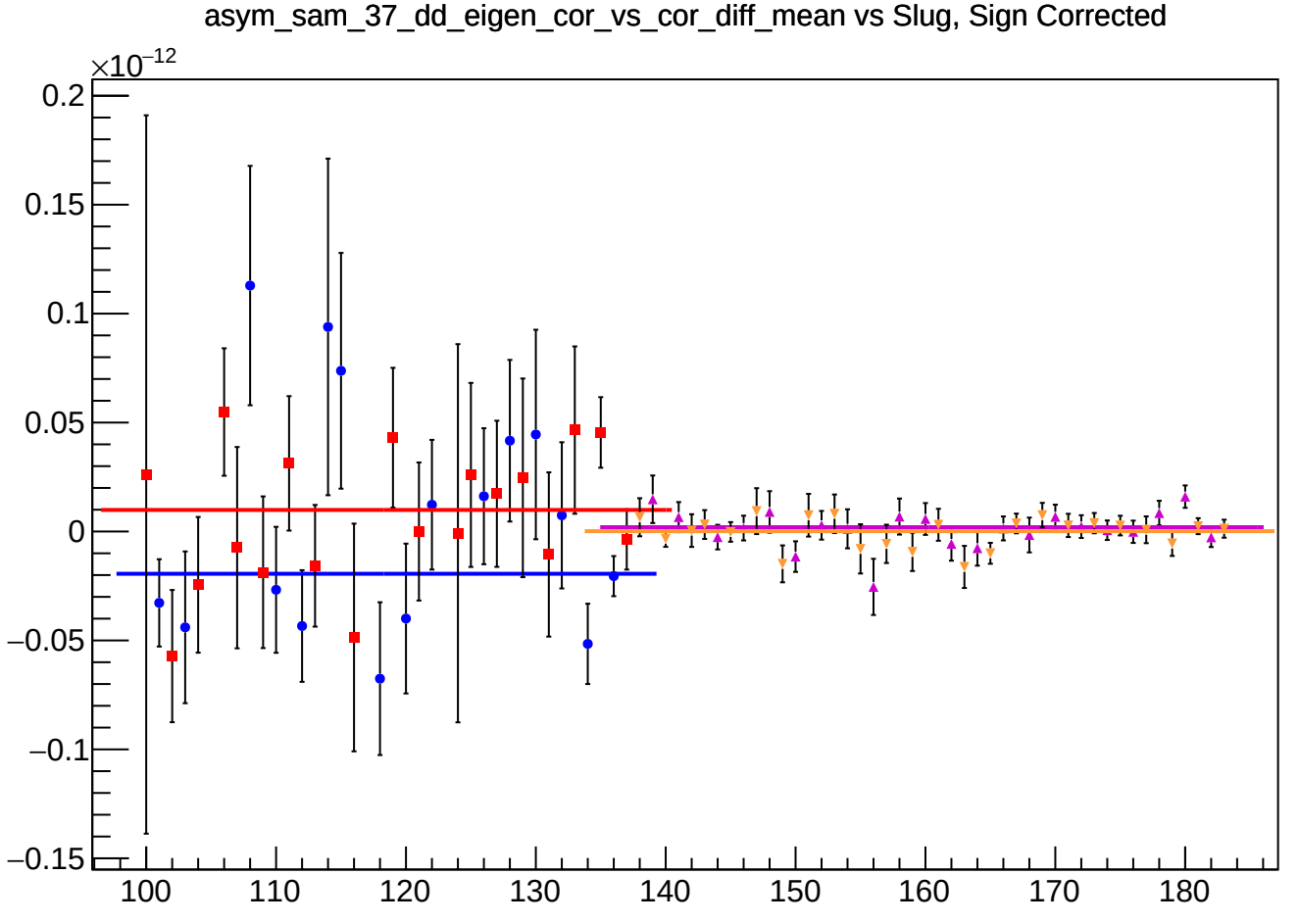
Left: 12.704+/-0.002 χ^2/NDF: 10228808.5/45

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

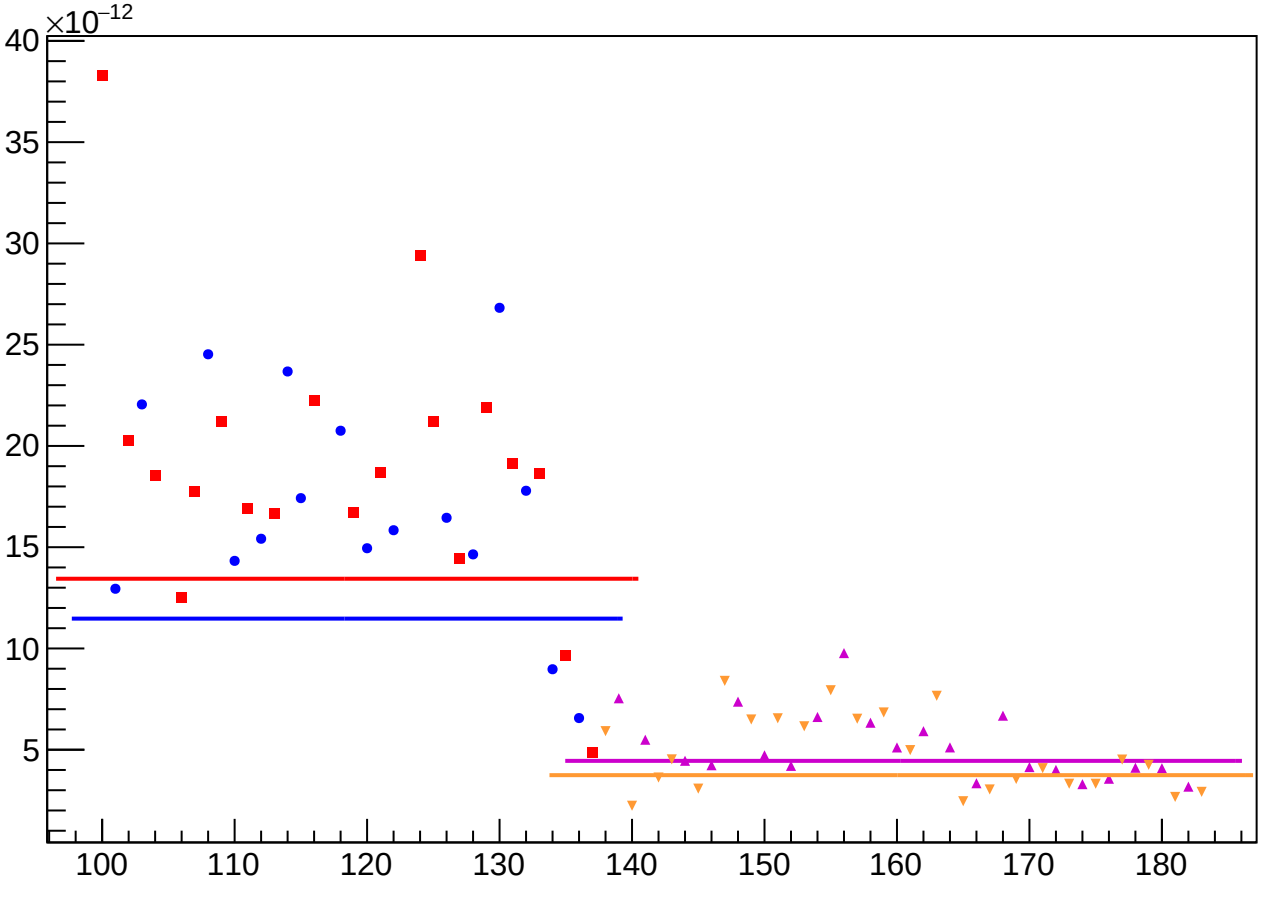
In: 14.403+/-0.002 χ^2/NDF:7464578.1/37

Out: 13.345+/-0.002 χ^2/NDF:11742329.5/42

All: 13.847+/-0.002 χ^2/NDF: 19305440.1/80


asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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: 25.7/15
Left Out: 0.000+/-0.000 χ²/NDF:21.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 20.3/18
Left In: 0.000+/-0.000 χ²/NDF:25.4/21
Left: 0.000+/-0.000 χ²/NDF: 47.9/45
Right: -0.000+/-0.000 χ²/NDF: 56.4/34
In: 0.000+/-0.000 χ²/NDF:63.0/37
Out: 0.000+/-0.000 χ²/NDF:43.8/42
All: 0.000+/-0.000 χ²/NDF: 106.9/80

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3083342.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1697801.0/21

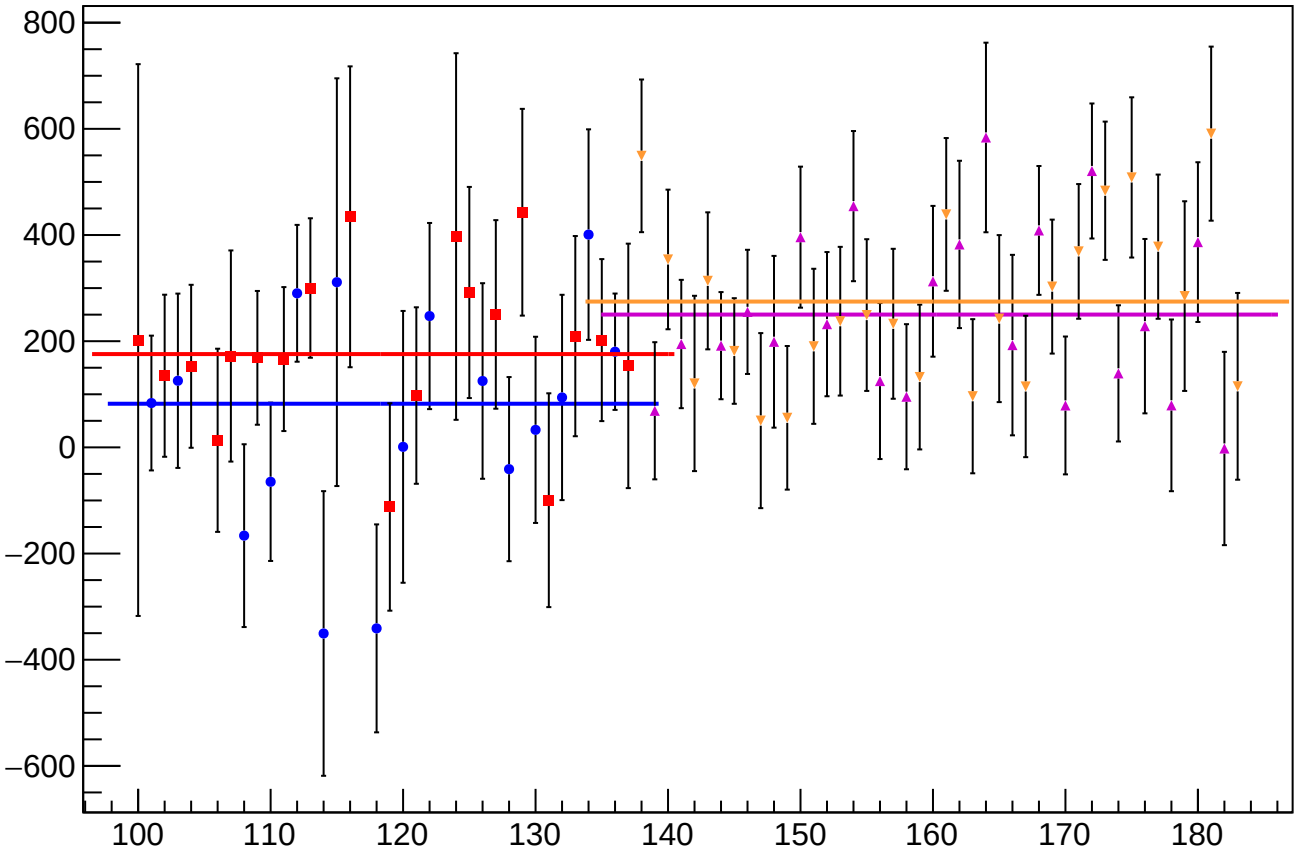
Left: 0.000+/-0.000 χ^2/NDF: 5095460.2/45

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:8732383.1/42

All: 0.000+/-0.000 χ^2/NDF: 14987401.3/80



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 274.657+/-28.611 χ^2/NDF:26.9/23

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: 262.753+/-20.517 χ^2/NDF: 52.3/45

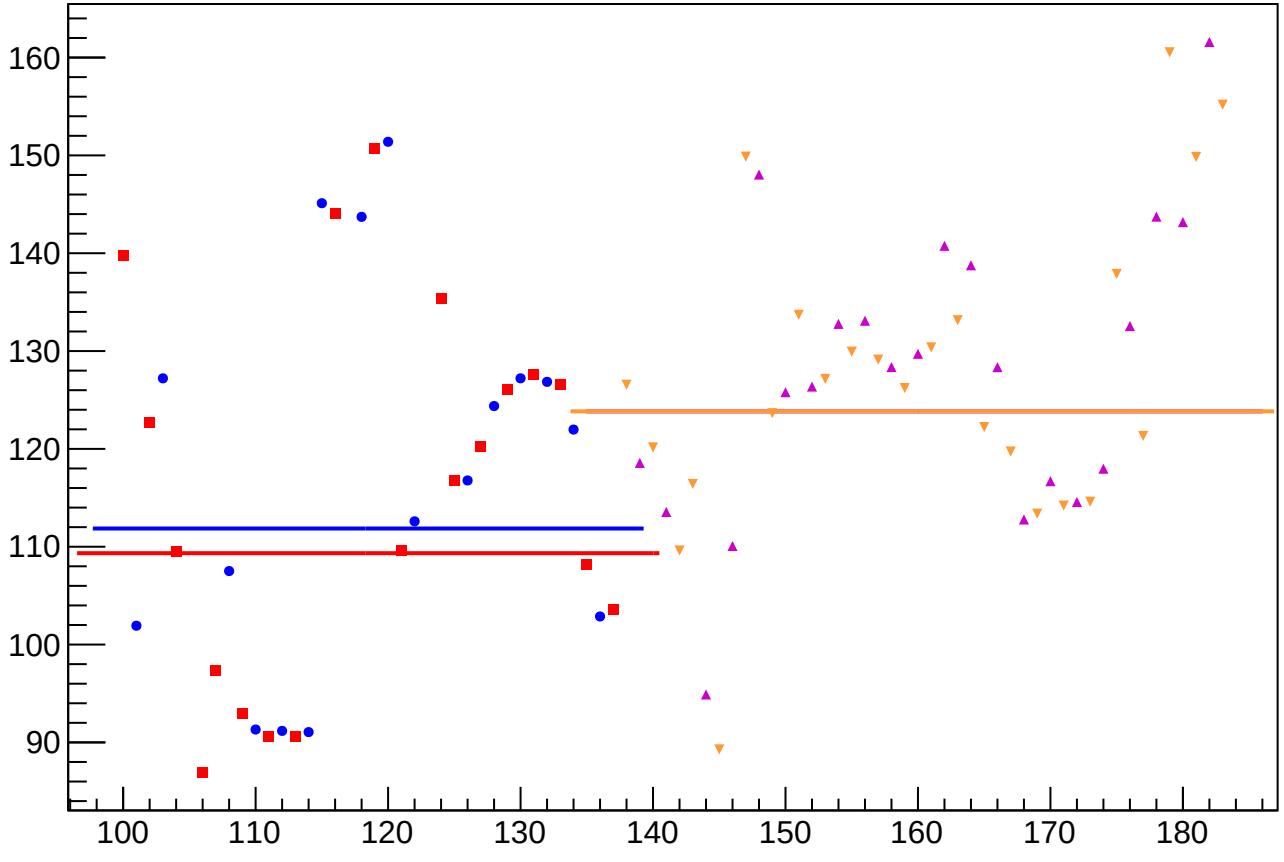
Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 195.057+/-24.131 χ^2/NDF:54.1/37

Out: 241.910+/-23.401 χ^2/NDF:40.8/42

All: 219.203+/-16.799 χ^2/NDF: 96.8/80

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 123.839+/-0.020 χ^2/NDF:598269.5/23

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 123.836+/-0.021 χ^2/NDF:508318.6/21

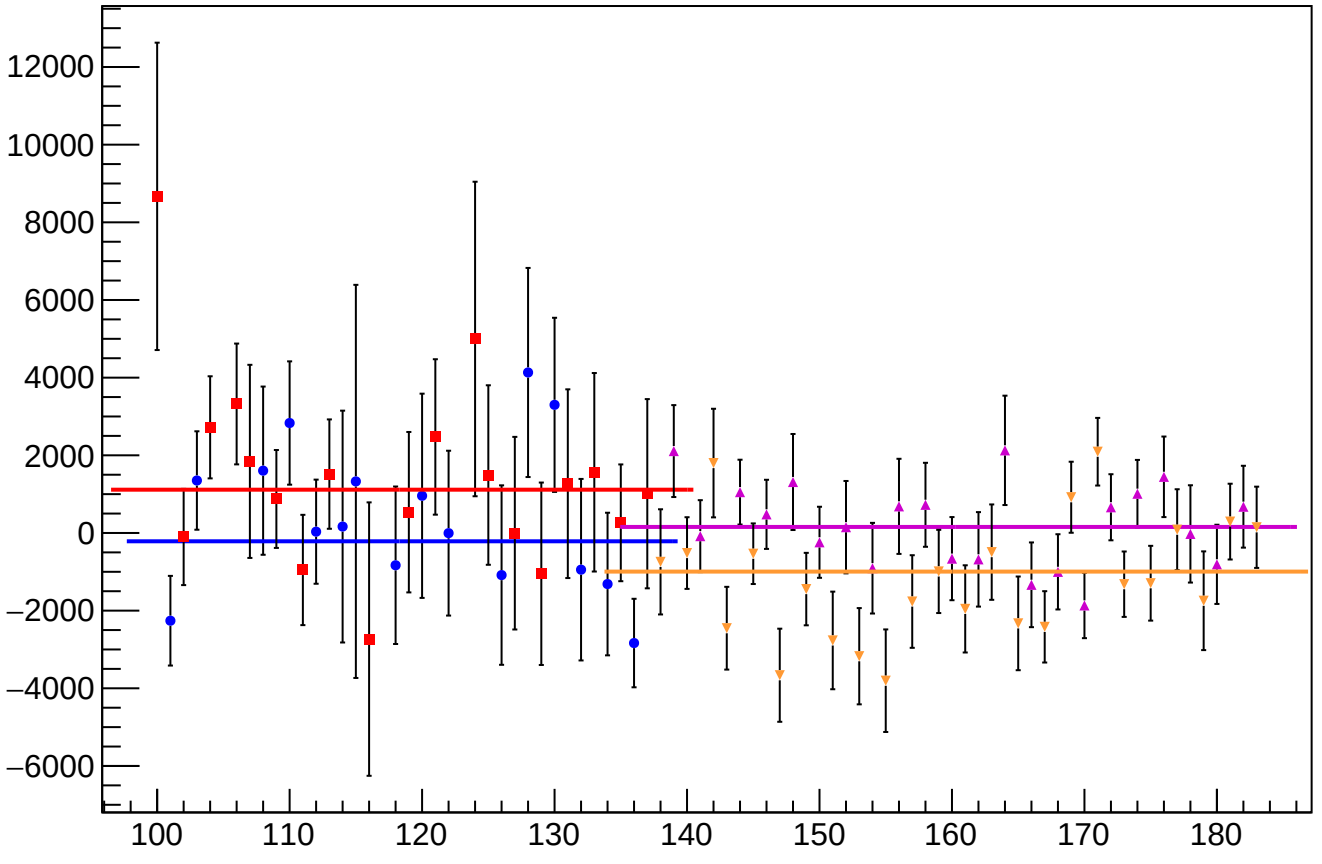
Left: 123.837+/-0.015 χ^2/NDF: 1106588.1/45

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 119.908+/-0.017 χ^2/NDF:922881.7/37

Out: 119.040+/-0.017 χ^2/NDF:1135511.6/42

All: 119.460+/-0.012 χ^2/NDF: 2059727.8/80



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -994.505+/-213.864 χ^2/NDF:47.8/23

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 155.466+/-218.838 χ^2/NDF:22.5/21

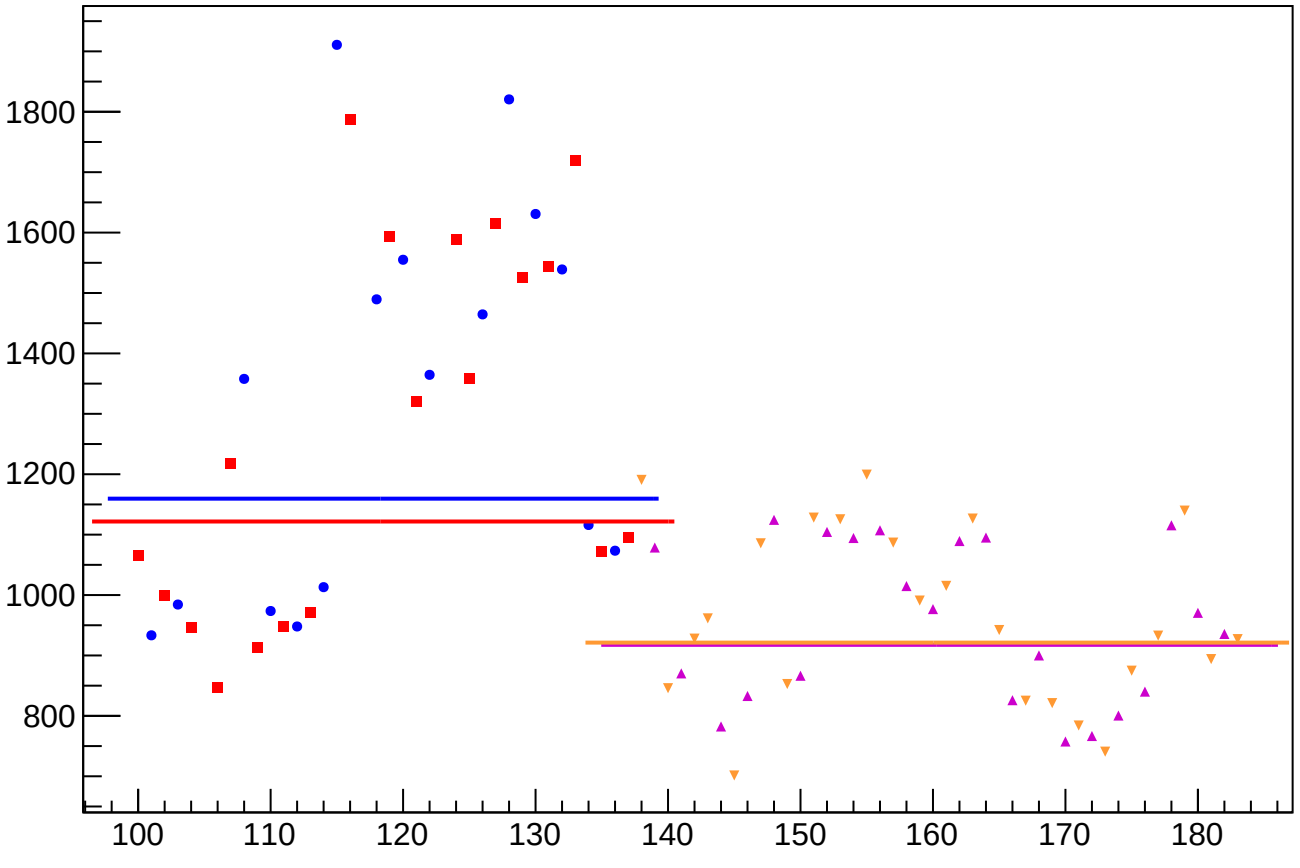
Left: -432.738+/-152.953 χ^2/NDF: 84.4/45

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 83.208+/-196.287 χ^2/NDF:43.5/37

Out: -565.176+/-190.861 χ^2/NDF:82.1/42

All: -250.071+/-136.837 χ^2/NDF: 131.2/80



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 921.283+/-0.151 χ^2/NDF:870259.5/23

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 917.576+/-0.155 χ^2/NDF:665145.4/21

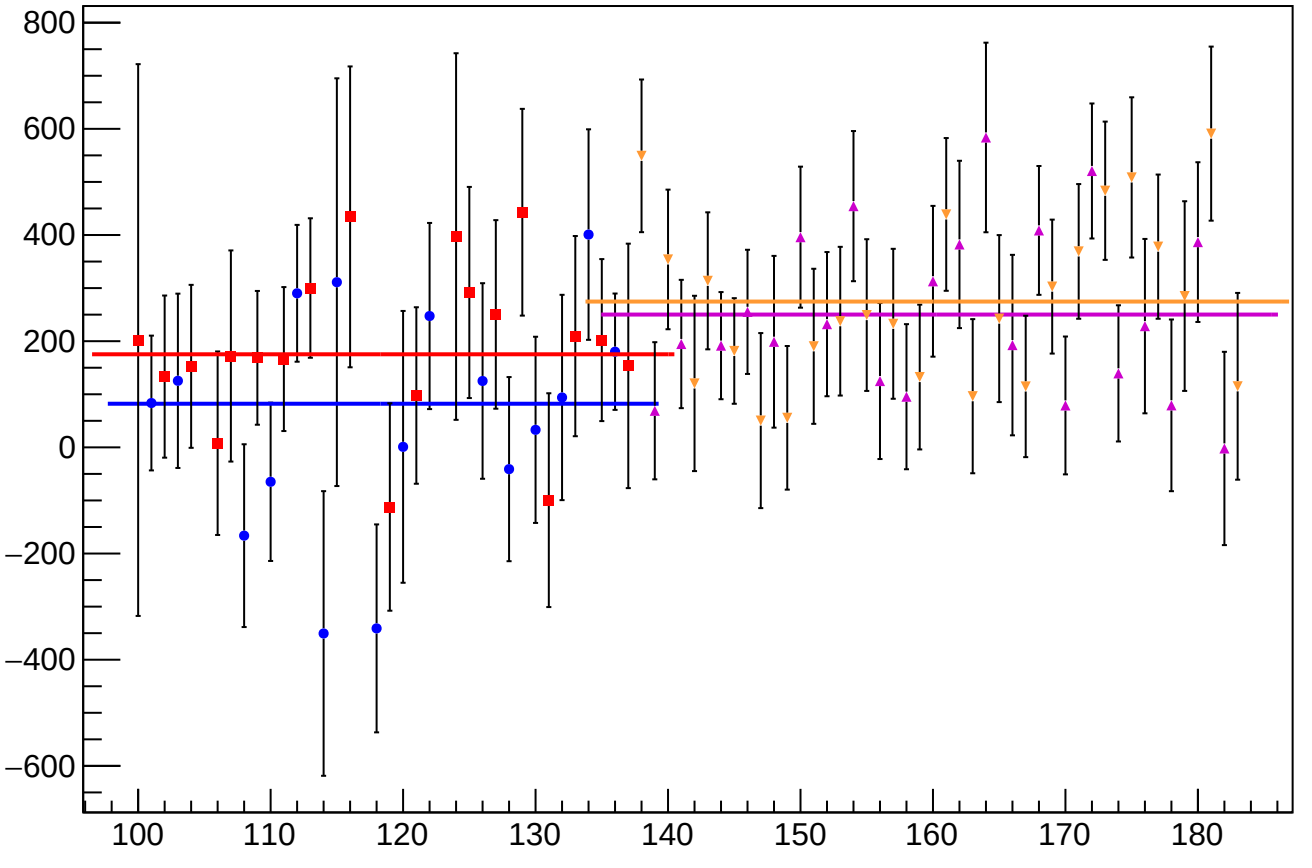
Left: 919.472+/-0.108 χ^2/NDF: 1535698.4/45

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 964.879+/-0.139 χ^2/NDF:1826891.2/37

Out: 962.088+/-0.135 χ^2/NDF:2010235.1/42

All: 963.445+/-0.097 χ^2/NDF: 3837334.2/80



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 274.663+/-28.611 χ^2/NDF:26.9/23

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 250.155+/-29.438 χ^2/NDF:25.0/21

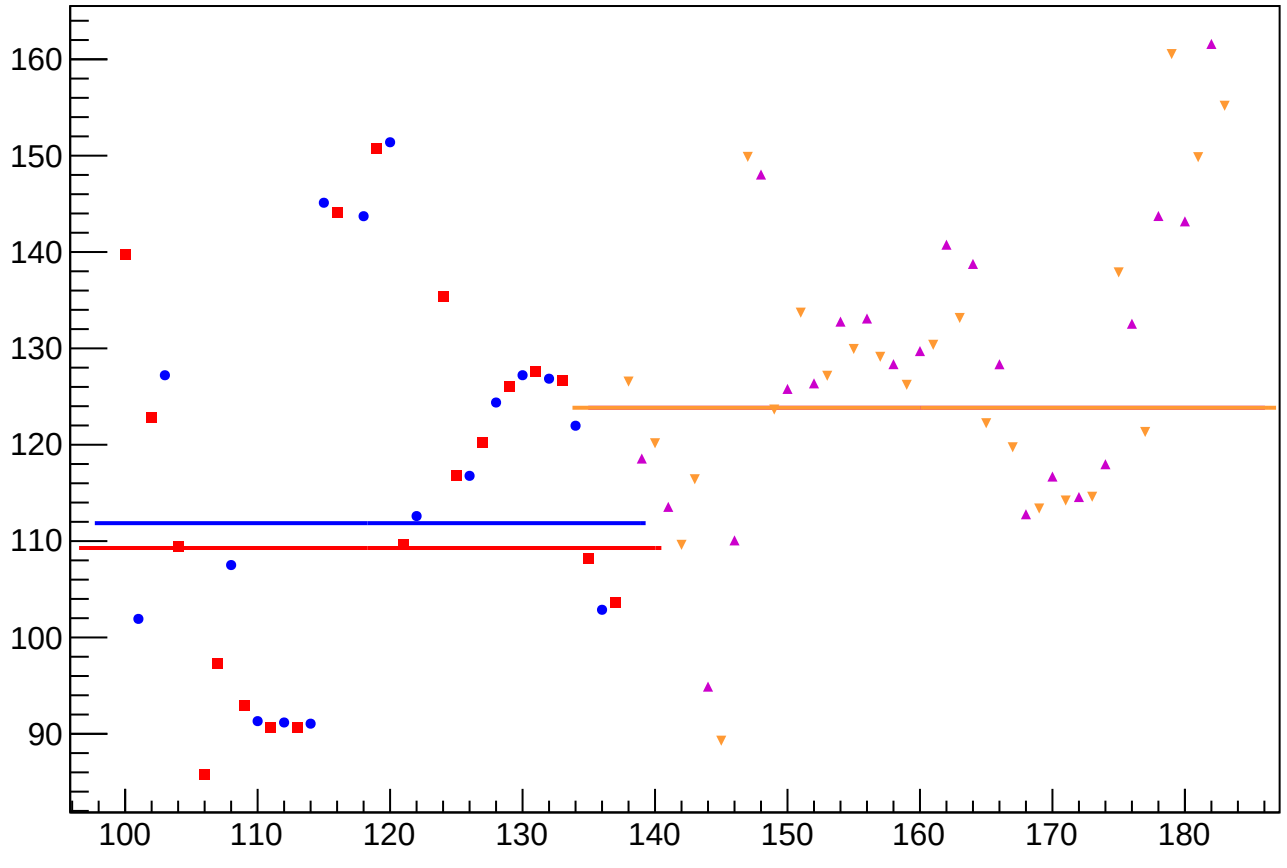
Left: 262.758+/-20.517 χ^2/NDF: 52.3/45

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 195.056+/-24.131 χ^2/NDF:54.1/37

Out: 241.790+/-23.402 χ^2/NDF:40.8/42

All: 219.140+/-16.800 χ^2/NDF: 96.9/80



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 123.839+/-0.020 χ^2/NDF:598269.5/23

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 123.836+/-0.021 χ^2/NDF:508318.6/21

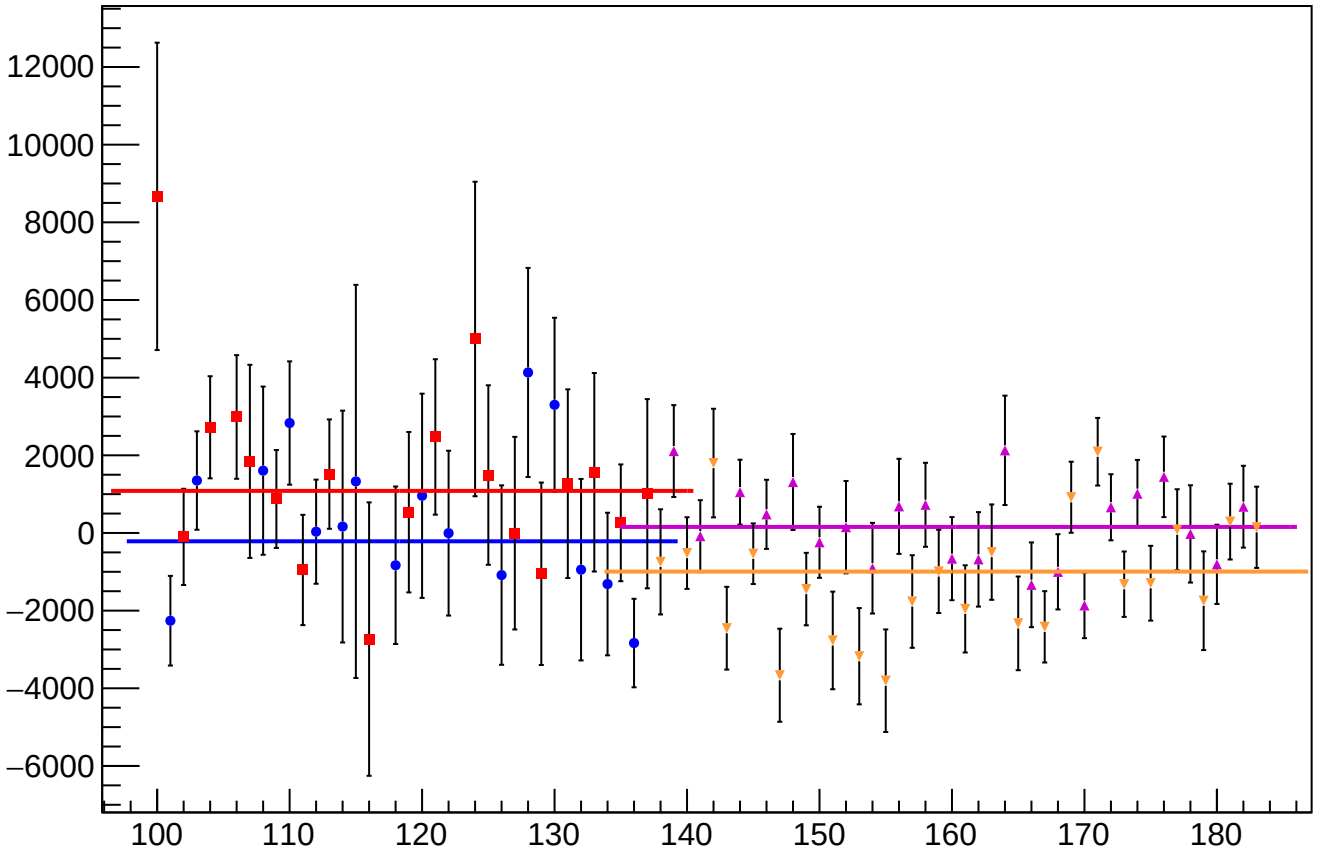
Left: 123.837+/-0.015 χ^2/NDF: 1106588.1/45

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 119.908+/-0.017 χ^2/NDF:922882.4/37

Out: 119.022+/-0.017 χ^2/NDF:1140291.1/42

All: 119.451+/-0.012 χ^2/NDF: 2064562.9/80



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -994.498+/-213.864 χ^2/NDF:47.8/23

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 155.469+/-218.838 χ^2/NDF:22.5/21

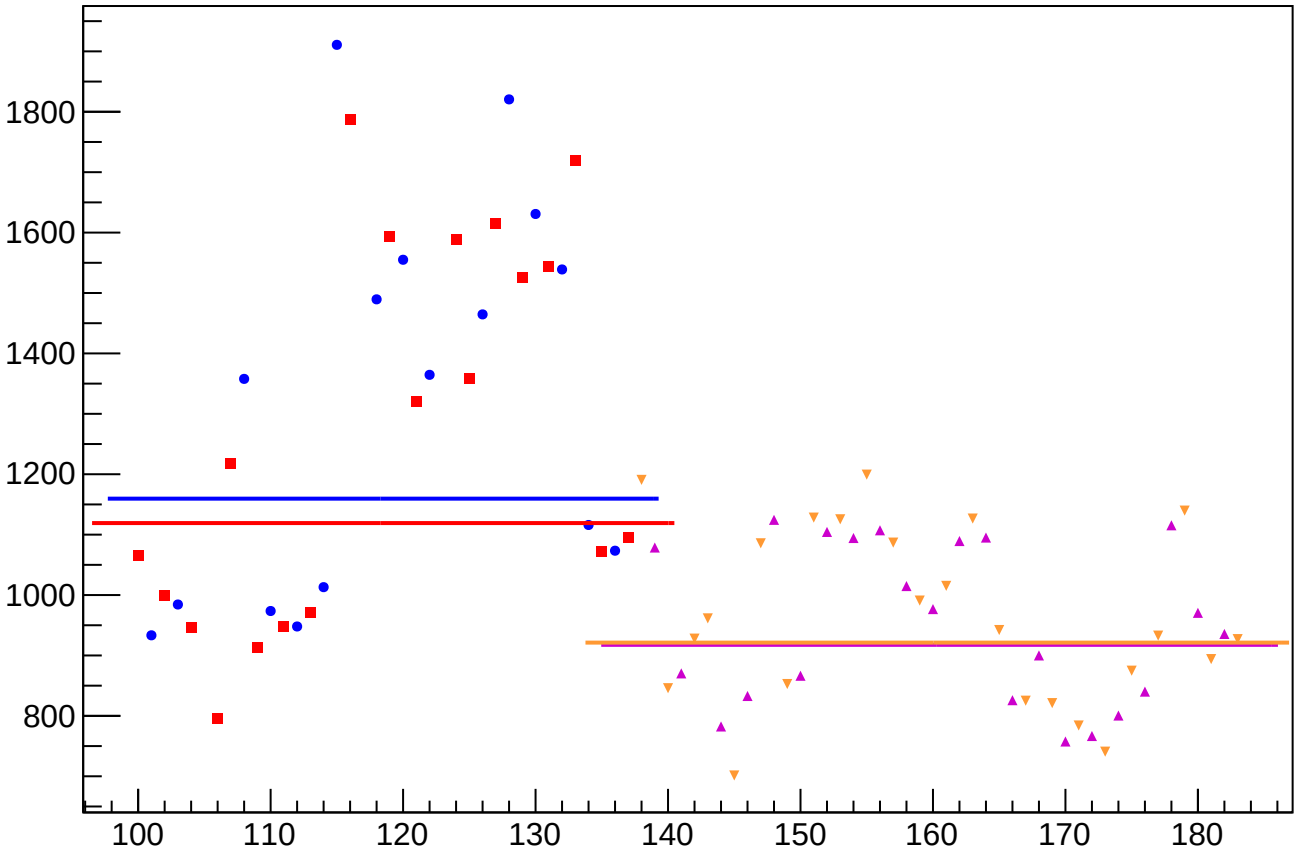
Left: -432.733+/-152.953 χ^2/NDF: 84.4/45

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 83.193+/-196.288 χ^2/NDF:43.5/37

Out: -572.600+/-190.928 χ^2/NDF:80.9/42

All: -253.779+/-136.862 χ^2/NDF: 130.1/80



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 921.283+/-0.151 χ^2/NDF:870259.8/23

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 917.576+/-0.155 χ^2/NDF:665146.6/21

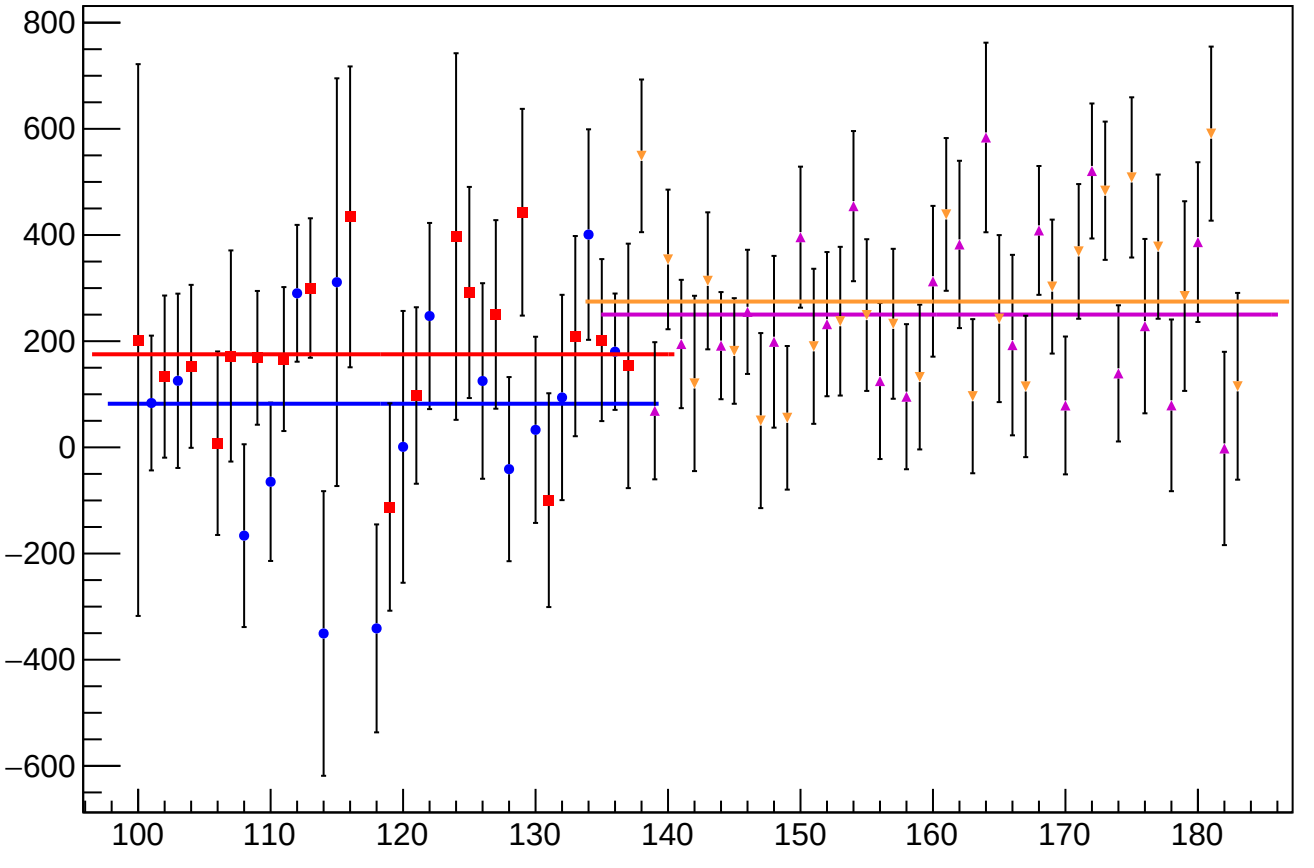
Left: 919.472+/-0.108 χ^2/NDF: 1535699.9/45

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 964.881+/-0.139 χ^2/NDF:1826893.1/37

Out: 961.449+/-0.135 χ^2/NDF:2020948.8/42

All: 963.117+/-0.097 χ^2/NDF: 3848156.2/80



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 274.663+/-28.611 χ^2/NDF:26.9/23

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 250.155+/-29.438 χ^2/NDF:25.0/21

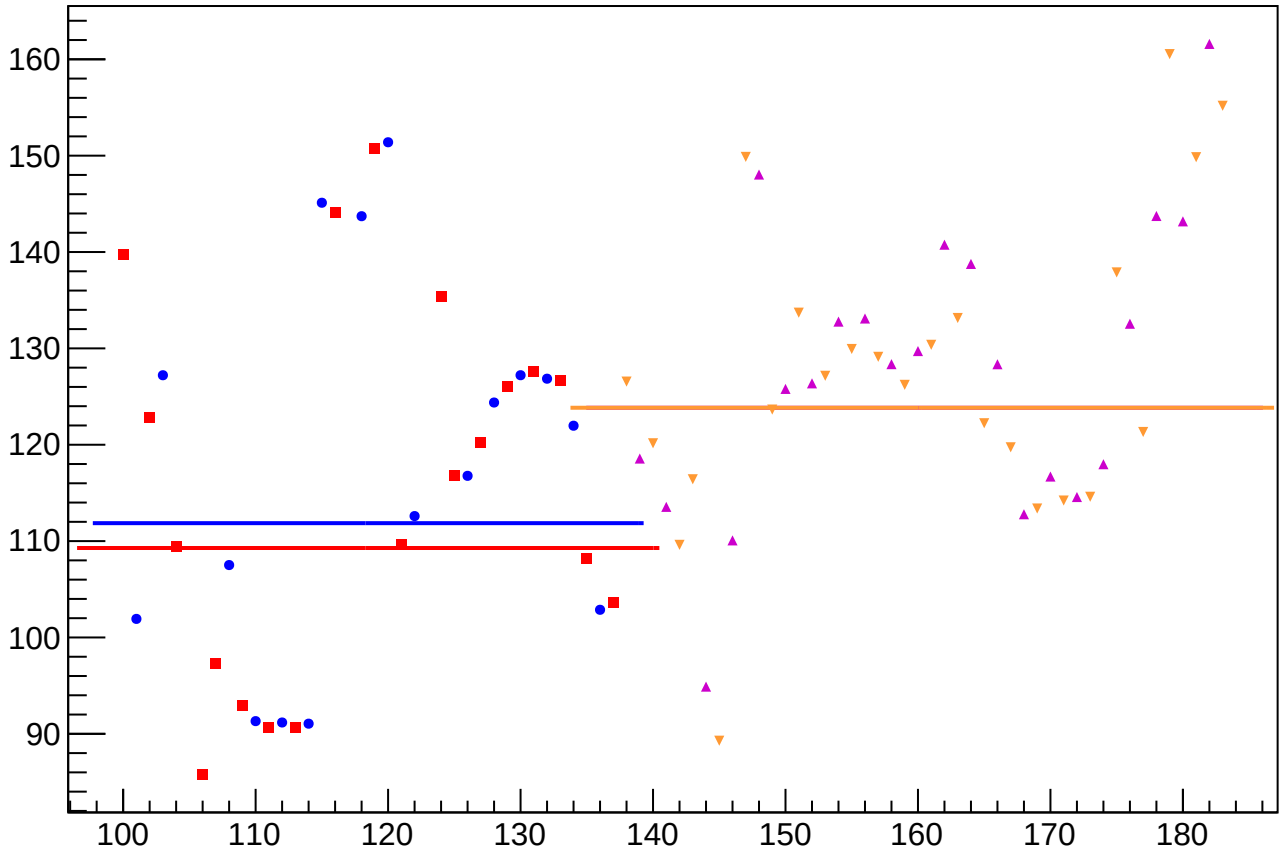
Left: 262.758+/-20.517 χ^2/NDF: 52.3/45

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 195.056+/-24.131 χ^2/NDF:54.1/37

Out: 241.790+/-23.402 χ^2/NDF:40.8/42

All: 219.140+/-16.800 χ^2/NDF: 96.9/80



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 123.839+/-0.020 χ^2/NDF:598269.5/23

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: 123.837+/-0.015 χ^2/NDF: 1106588.1/45

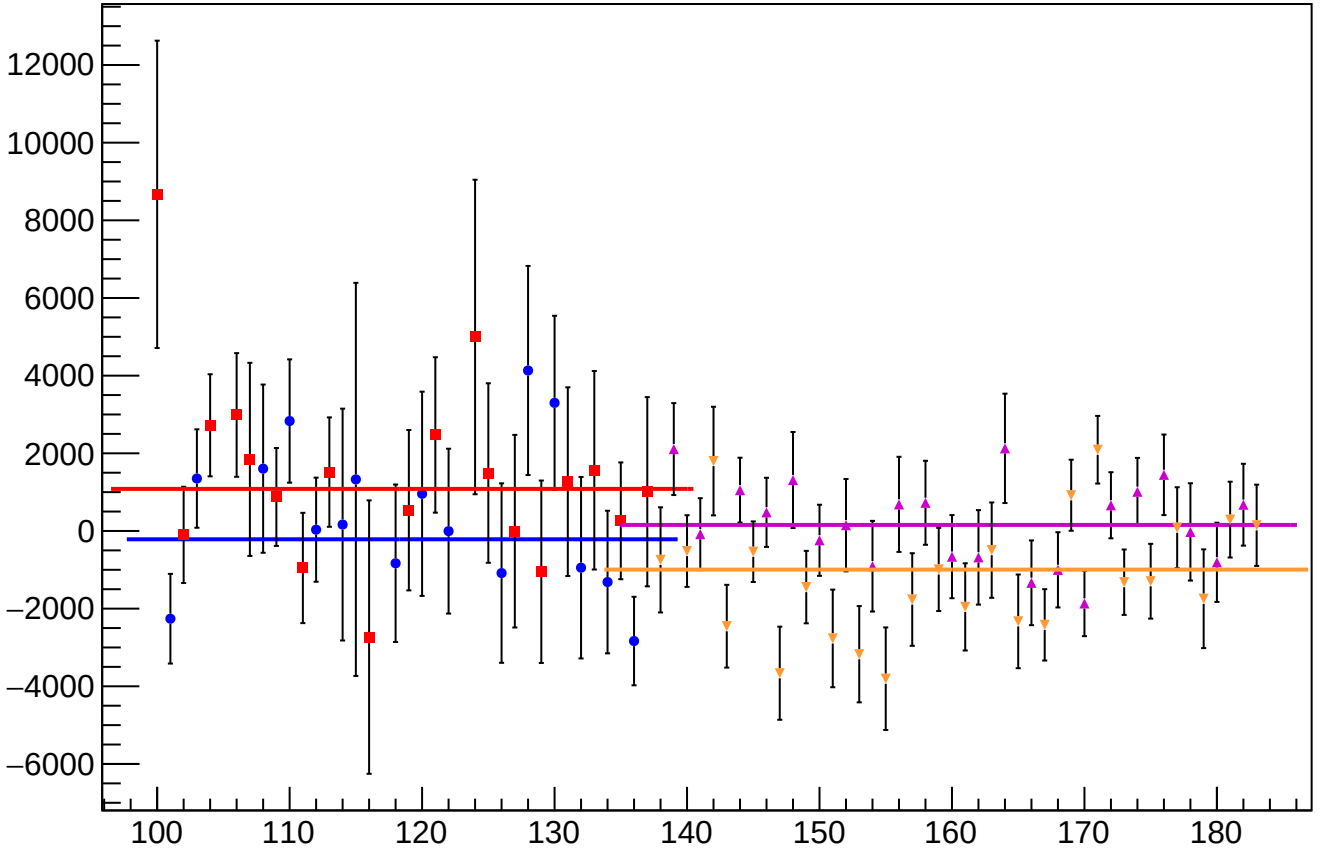
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 119.908+/-0.017 χ^2/NDF:922882.4/37

Out: 119.022+/-0.017 χ^2/NDF:1140291.1/42

All: 119.451+/-0.012 χ^2/NDF: 2064562.9/80

asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -994.498+/-213.864 χ^2/NDF:47.8/23

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 155.469+/-218.838 χ^2/NDF:22.5/21

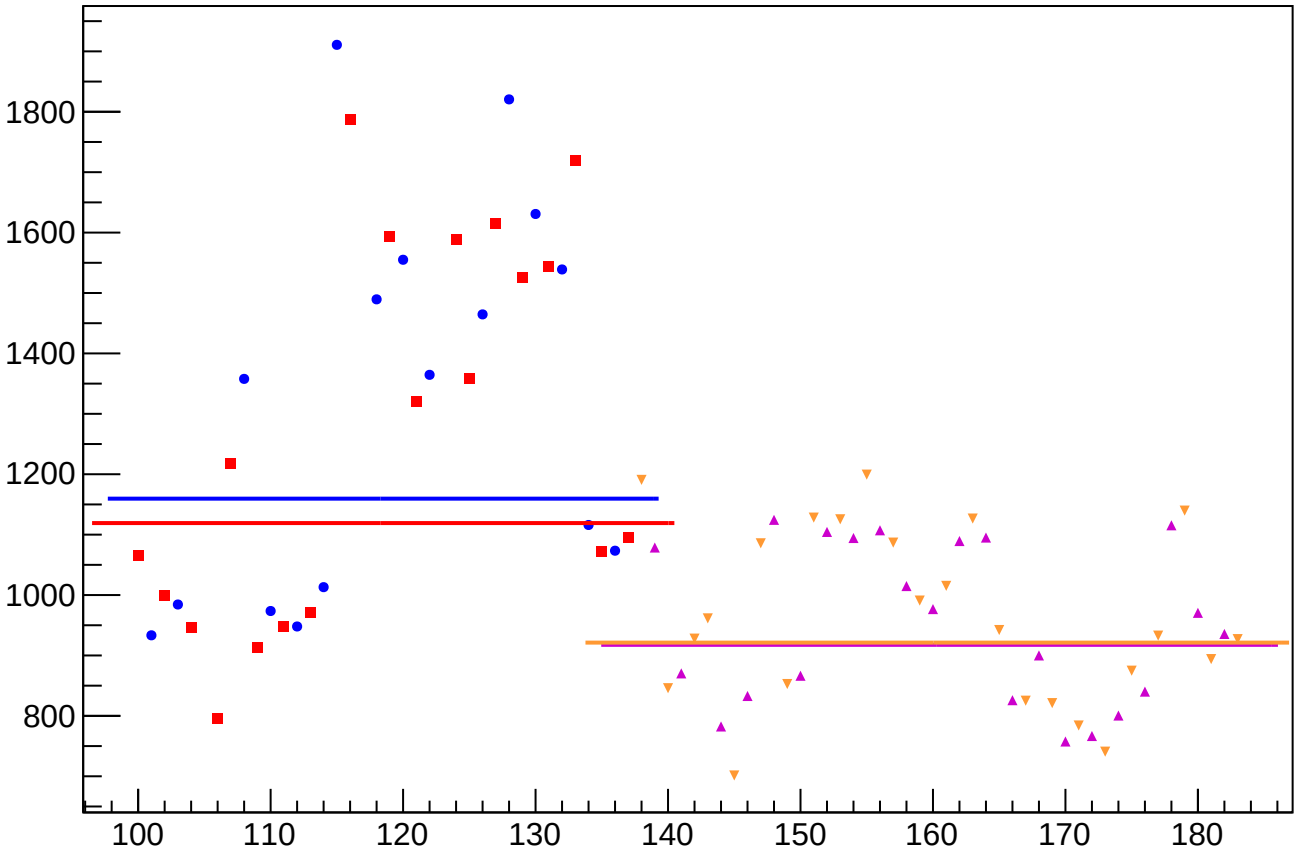
Left: -432.733+/-152.953 χ^2/NDF: 84.4/45

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 83.193+/-196.288 χ^2/NDF:43.5/37

Out: -572.600+/-190.928 χ^2/NDF:80.9/42

All: -253.779+/-136.862 χ^2/NDF: 130.1/80



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 921.283+/-0.151 χ^2/NDF:870259.8/23

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: 919.472+/-0.108 χ^2/NDF: 1535699.9/45

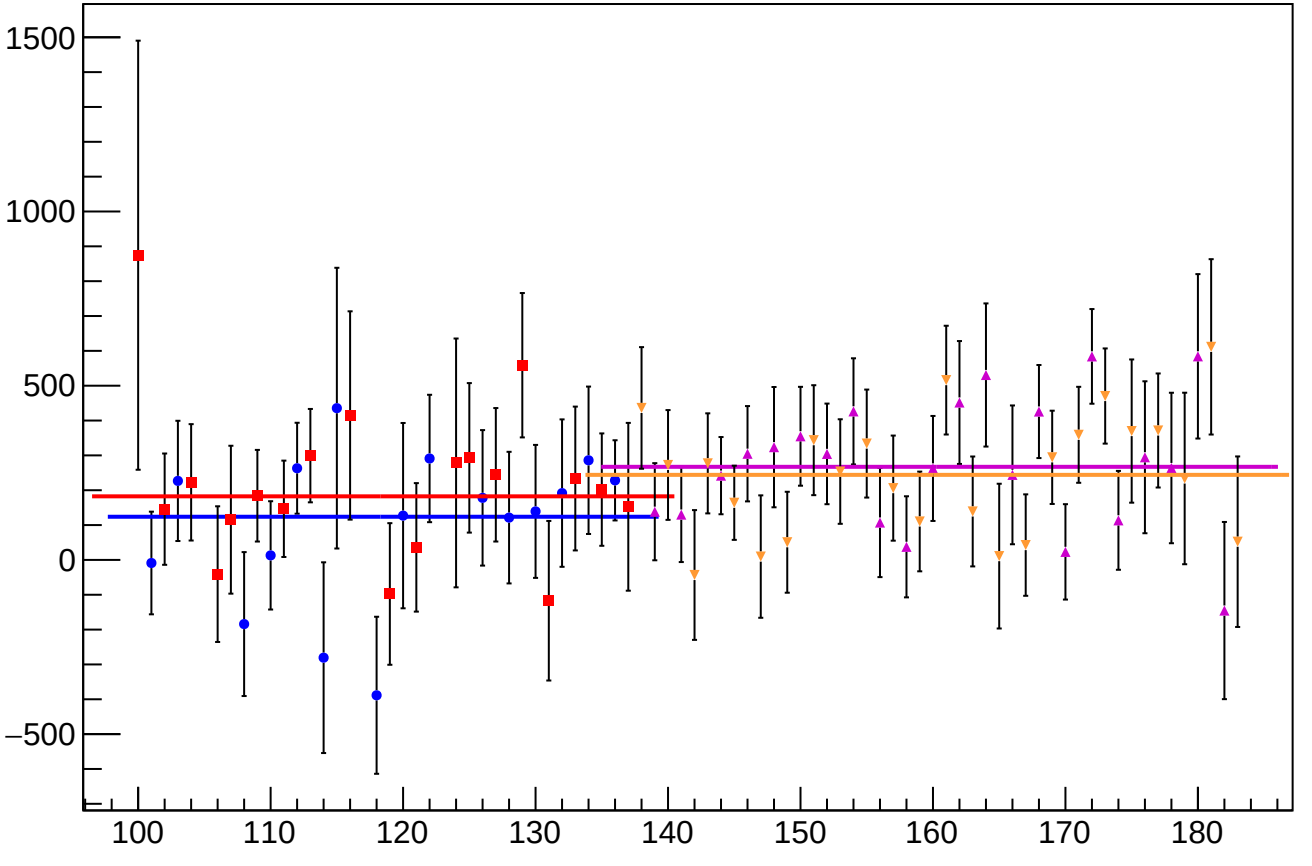
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 964.881+/-0.139 χ^2/NDF:1826893.1/37

Out: 961.449+/-0.135 χ^2/NDF:2020948.8/42

All: 963.117+/-0.097 χ^2/NDF: 3848156.2/80

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 244.117+/-32.249 χ^2/NDF:23.4/23

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: 255.382+/-23.072 χ^2/NDF: 49.3/45

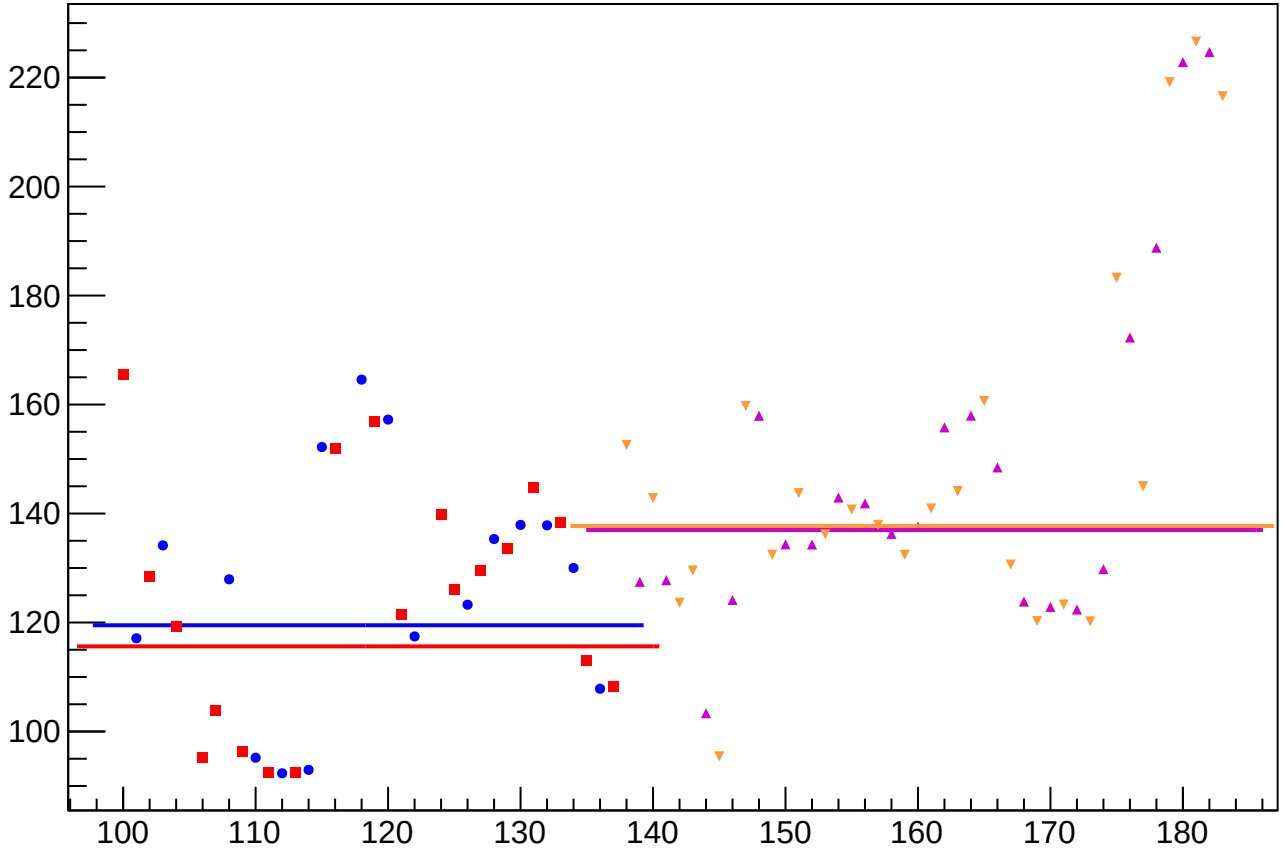
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 217.382+/-26.671 χ^2/NDF:47.6/37

Out: 222.071+/-25.848 χ^2/NDF:37.0/42

All: 219.800+/-18.561 χ^2/NDF: 84.6/80

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 137.716+/-0.023 χ^2/NDF:1290954.0/23

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 136.974+/-0.023 χ^2/NDF:1045646.4/21

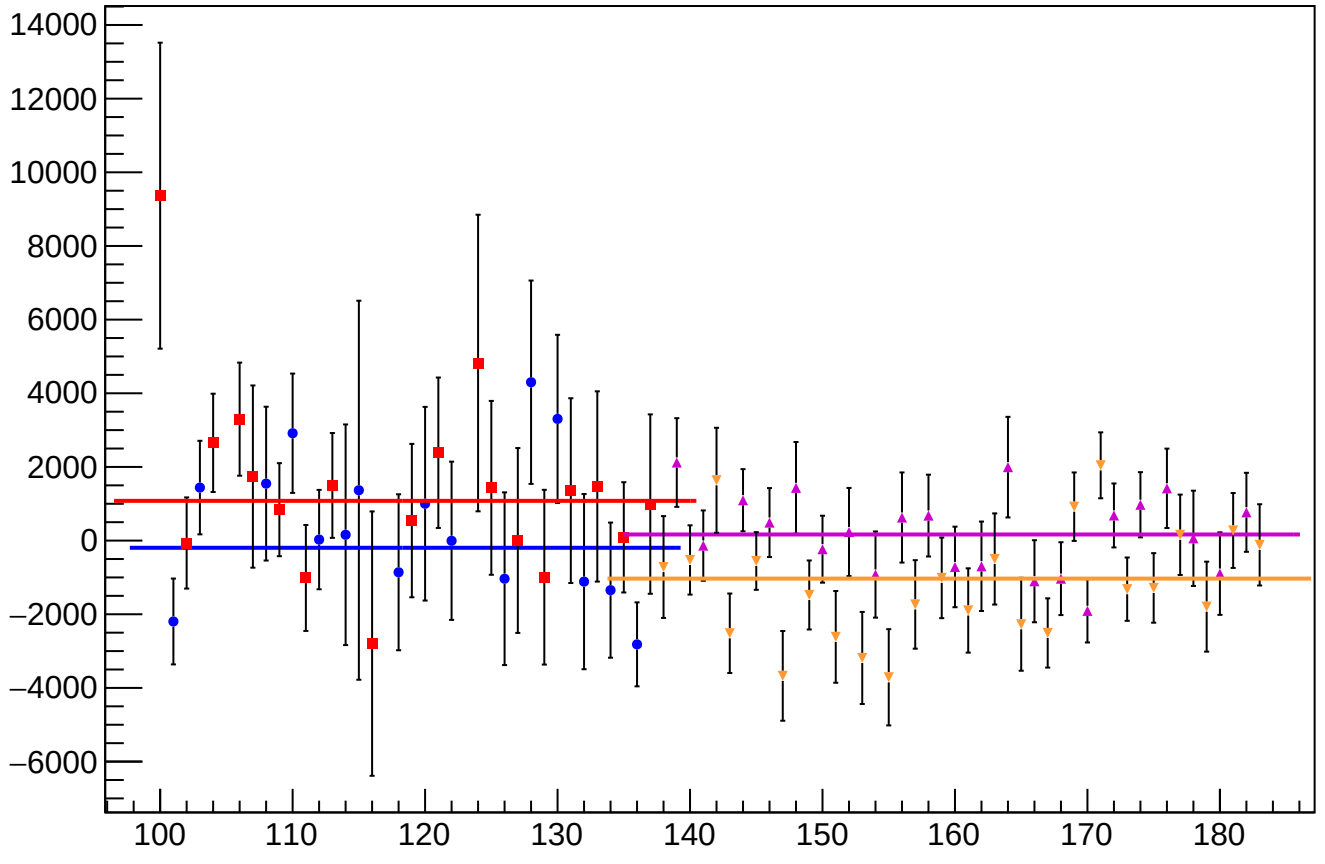
Left: 137.354+/-0.016 χ^2/NDF: 2337117.9/45

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 130.898+/-0.019 χ^2/NDF:1620696.5/37

Out: 129.815+/-0.018 χ^2/NDF:2053619.3/42

All: 130.340+/-0.013 χ^2/NDF: 3676015.3/80



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1031.601+/-217.169 χ^2/NDF:44.7/23

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 166.424+/-223.286 χ^2/NDF:21.8/21

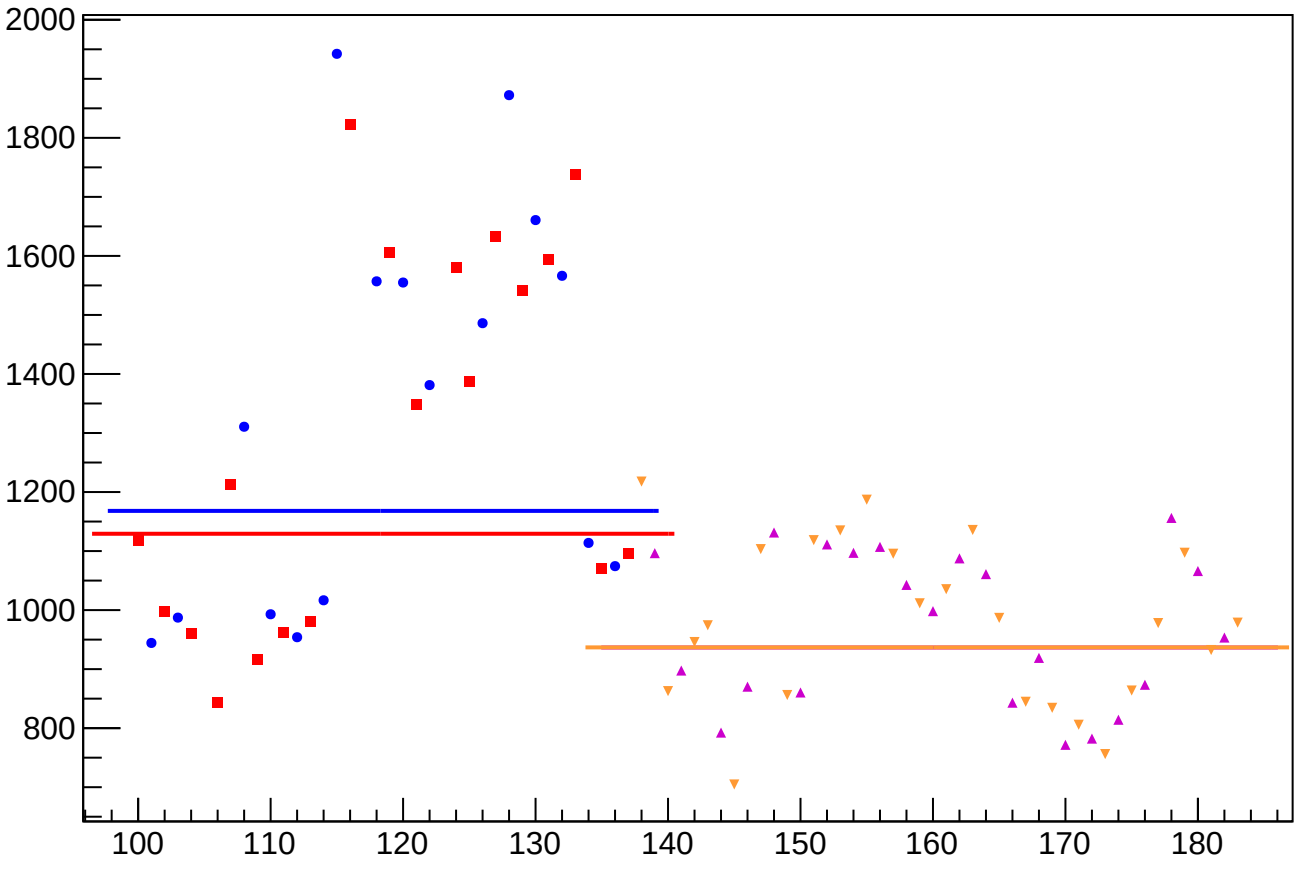
Left: -449.222+/-155.679 χ^2/NDF: 81.3/45

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 94.319+/-199.781 χ^2/NDF:42.7/37

Out: -596.074+/-193.474 χ^2/NDF:78.8/42

All: -261.946+/-138.983 χ^2/NDF: 127.7/80



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 936.831+/-0.154 χ^2/NDF:832425.9/23

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 936.615+/-0.158 χ^2/NDF:642620.0/21

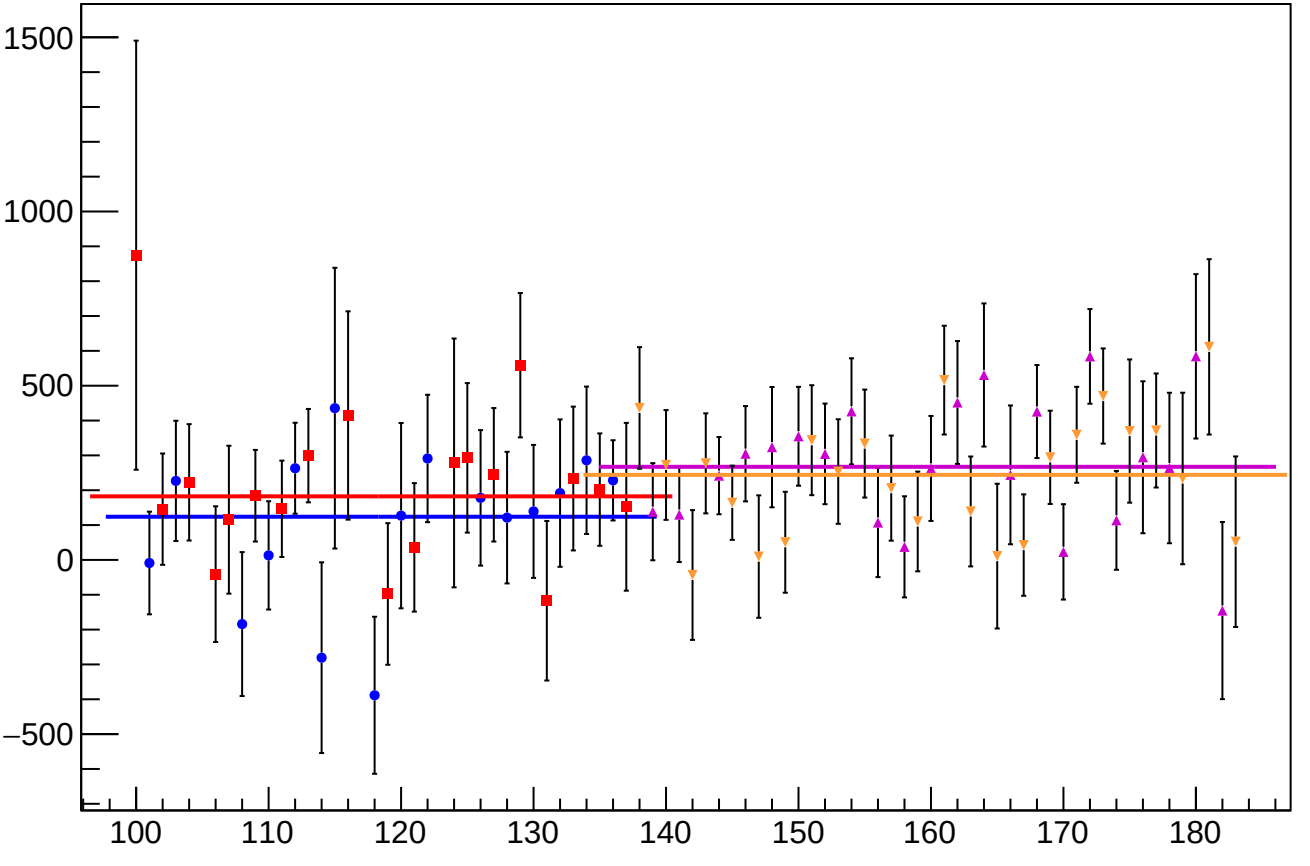
Left: 936.726+/-0.110 χ^2/NDF: 1475046.9/45

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 982.779+/-0.141 χ^2/NDF:1780588.7/37

Out: 976.543+/-0.137 χ^2/NDF:1963806.7/42

All: 979.561+/-0.098 χ^2/NDF: 3745400.7/80



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 244.119+/-32.249 χ^2/NDF:23.4/23

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 267.194+/-33.021 χ^2/NDF:25.6/21

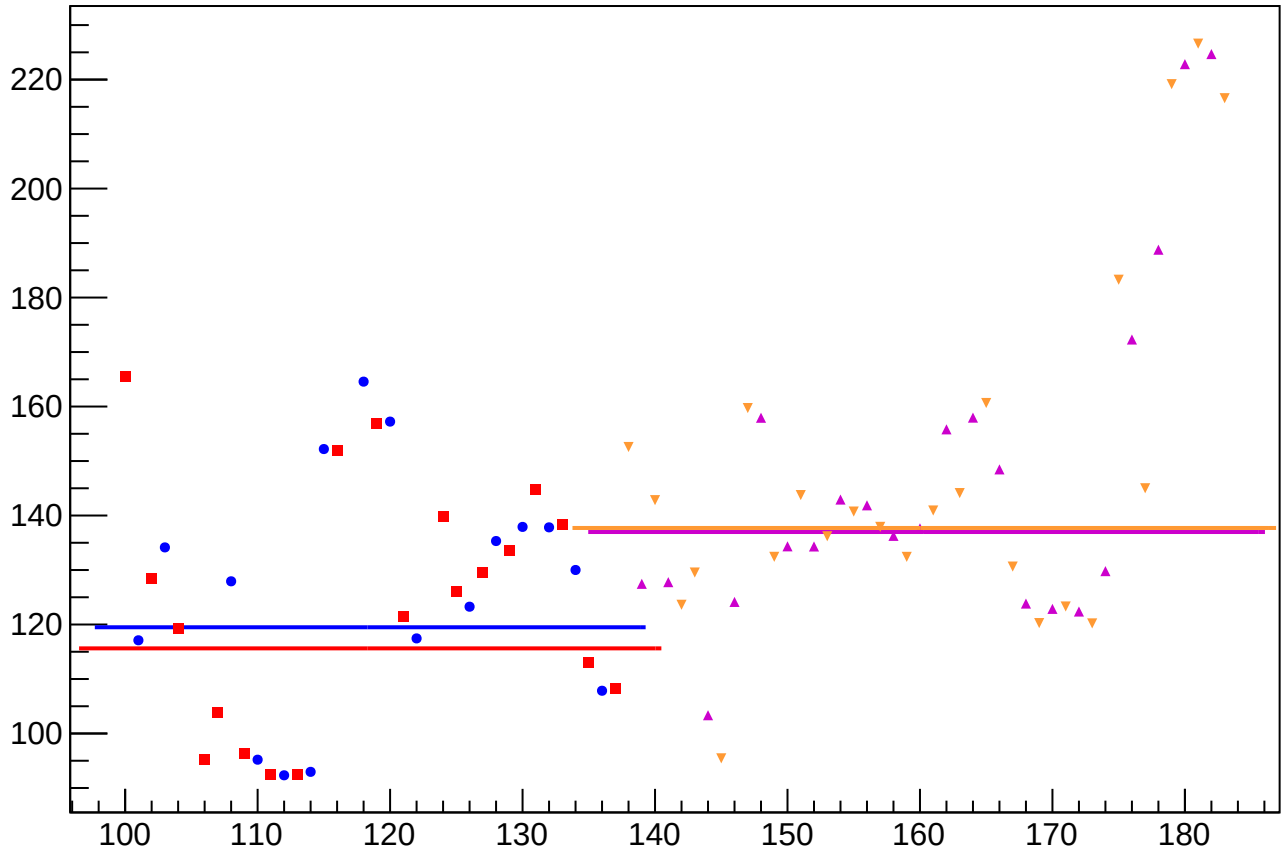
Left: 255.384+/-23.072 χ^2/NDF: 49.3/45

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 217.384+/-26.671 χ^2/NDF:47.6/37

Out: 222.073+/-25.848 χ^2/NDF:37.0/42

All: 219.802+/-18.561 χ^2/NDF: 84.6/80



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 137.716+/-0.023 χ^2/NDF:1290959.4/23

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 136.974+/-0.023 χ^2/NDF:1045631.4/21

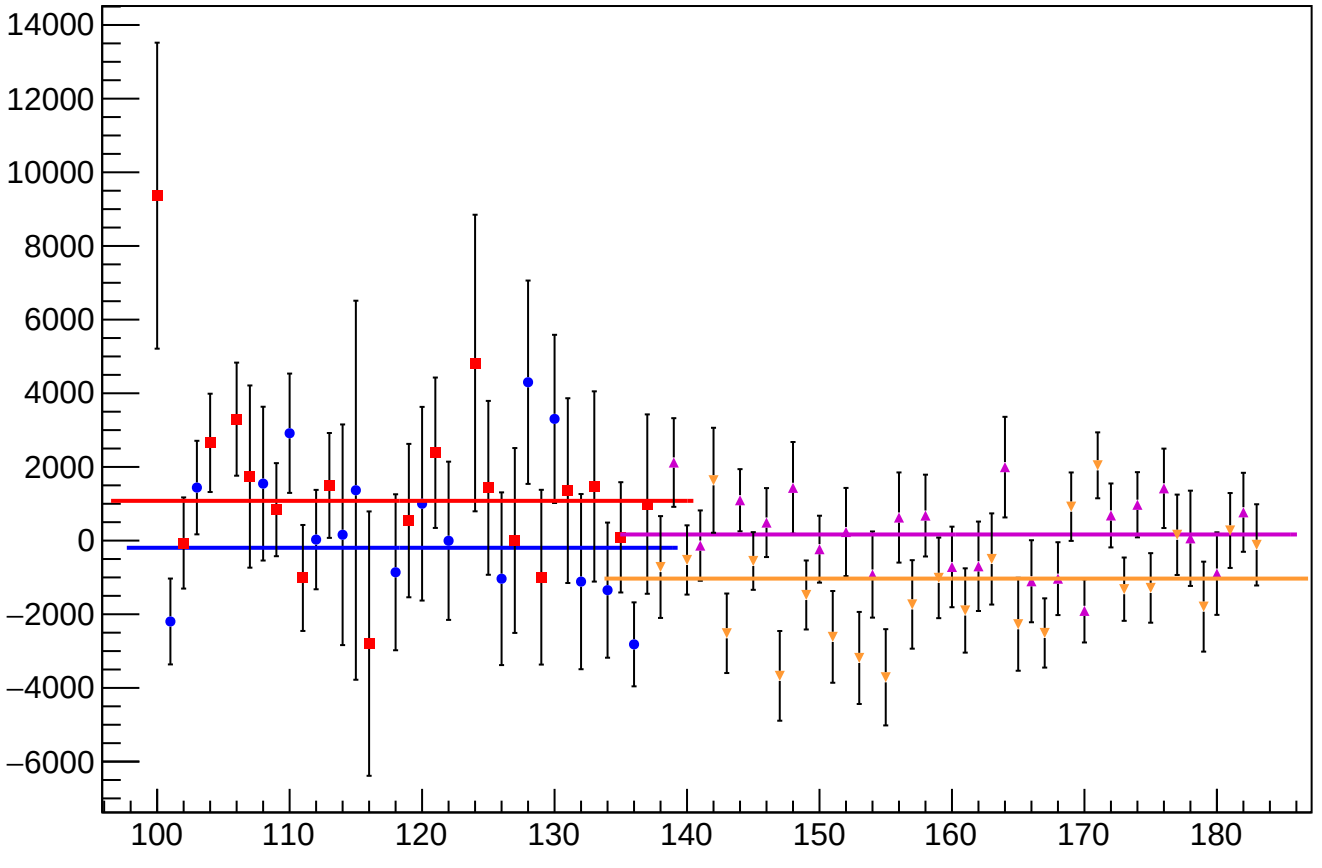
Left: 137.354+/-0.016 χ^2/NDF: 2337108.2/45

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 130.898+/-0.019 χ^2/NDF:1620684.1/37

Out: 129.815+/-0.018 χ^2/NDF:2053630.9/42

All: 130.340+/-0.013 χ^2/NDF: 3676014.7/80



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1031.599+/-217.169 χ^2/NDF:44.7/23

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: -449.221+/-155.679 χ^2/NDF: 81.3/45

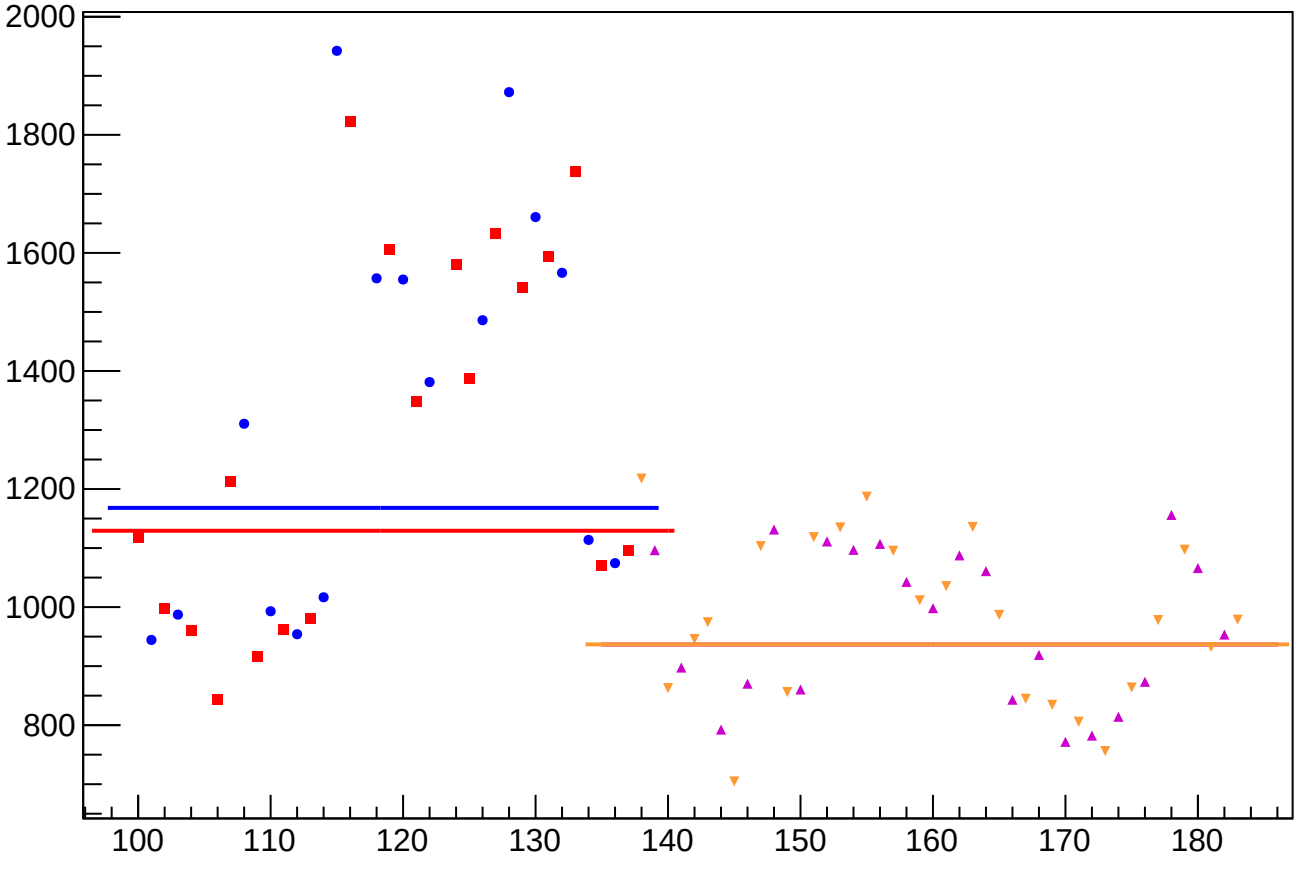
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 94.319+/-199.781 χ^2/NDF:42.7/37

Out: -596.073+/-193.474 χ^2/NDF:78.8/42

All: -261.946+/-138.983 χ^2/NDF: 127.7/80

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: 936.830+/-0.154 χ^2/NDF:832428.6/23

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: 936.725+/-0.110 χ^2/NDF: 1475048.1/45

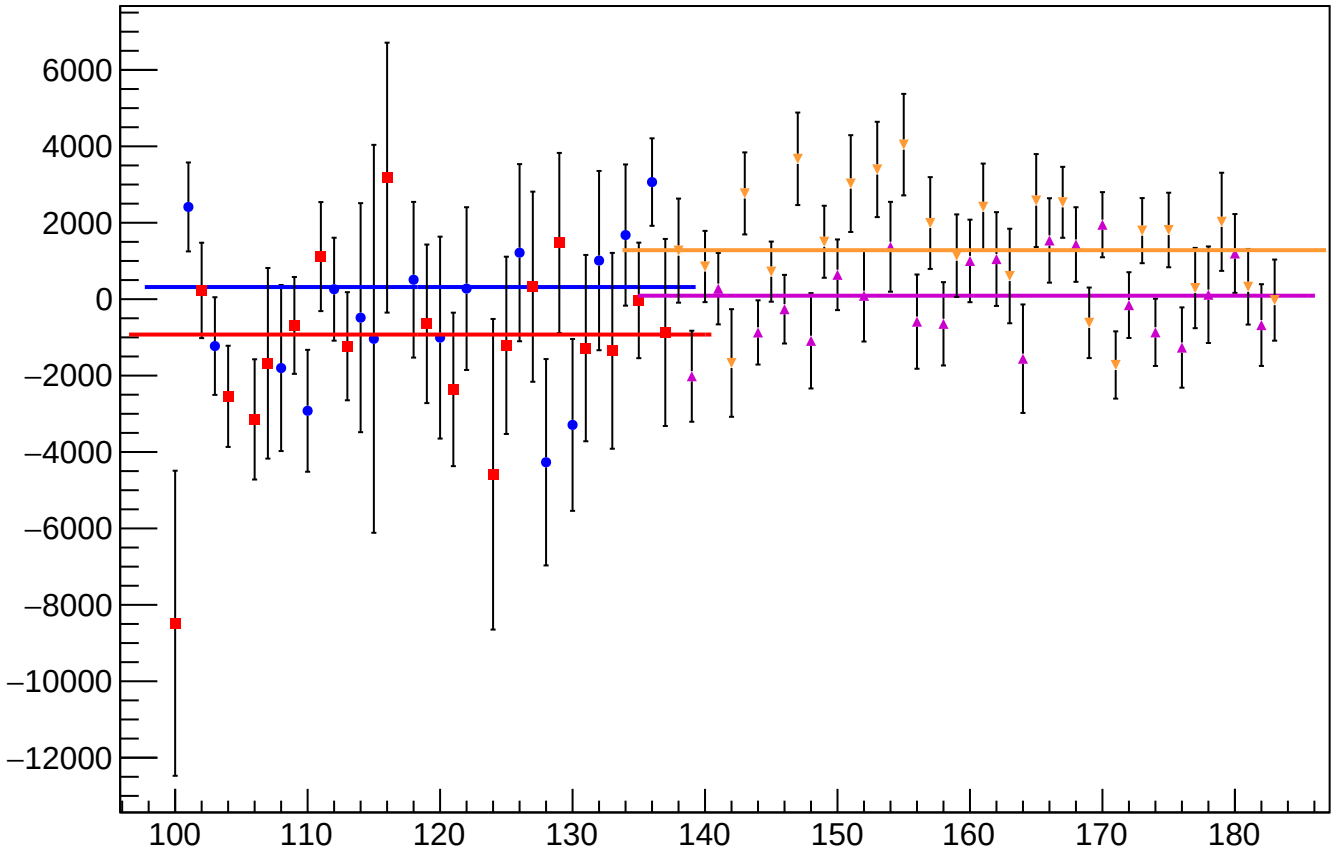
Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 982.778+/-0.141 χ^2/NDF:1780592.3/37

Out: 976.542+/-0.137 χ^2/NDF:1963813.8/42

All: 979.560+/-0.098 χ^2/NDF: 3745411.5/80

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1282.053+/-215.923 χ^2/NDF:44.9/23

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: 90.777+/-220.945 χ^2/NDF:23.4/21

Left: 700.108+/-154.425 χ^2/NDF: 83.2/45

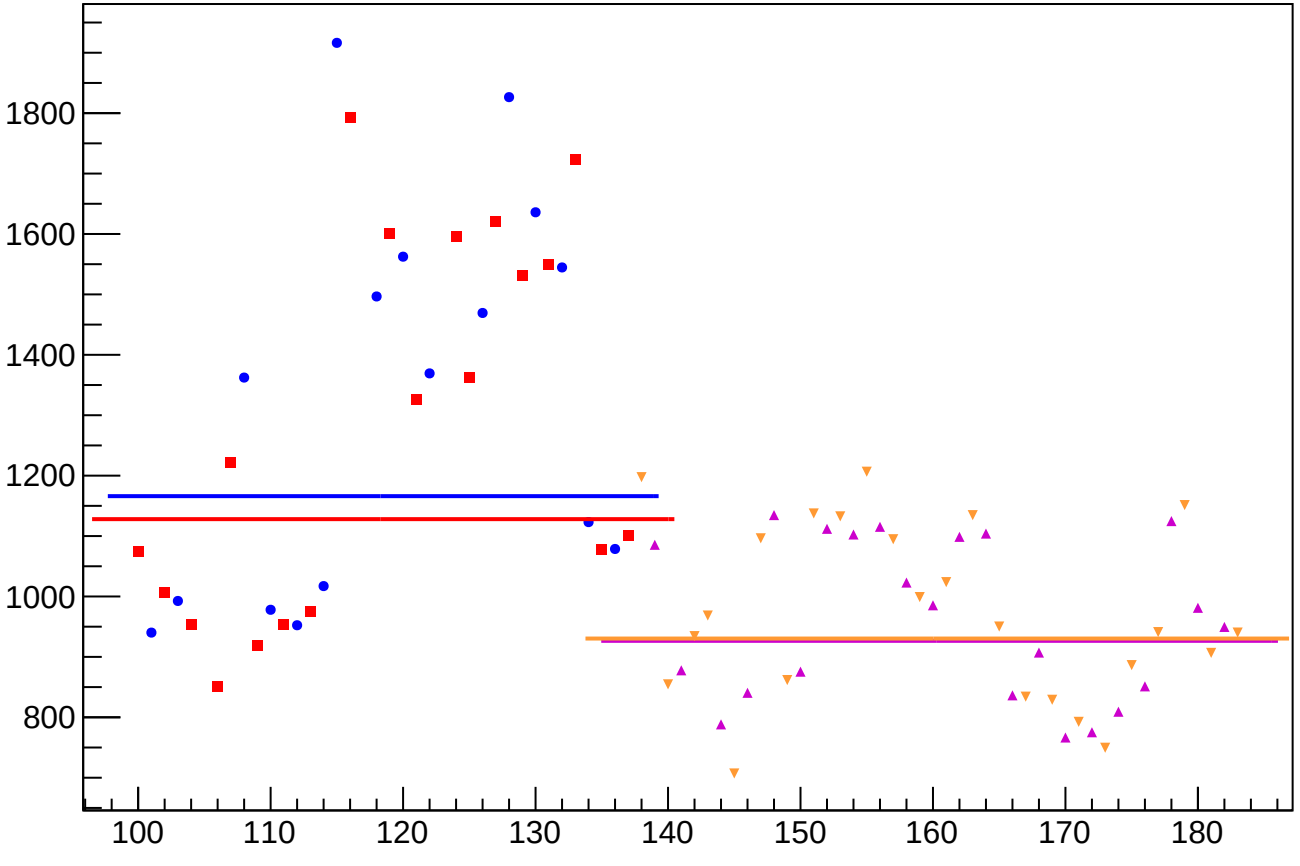
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 135.372+/-198.012 χ^2/NDF:45.8/37

Out: 829.722+/-192.541 χ^2/NDF:80.9/42

All: 492.273+/-138.041 χ^2/NDF: 133.0/80

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 930.369+/-0.153 χ^2/NDF:858082.8/23

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 926.590+/-0.156 χ^2/NDF:655084.0/21

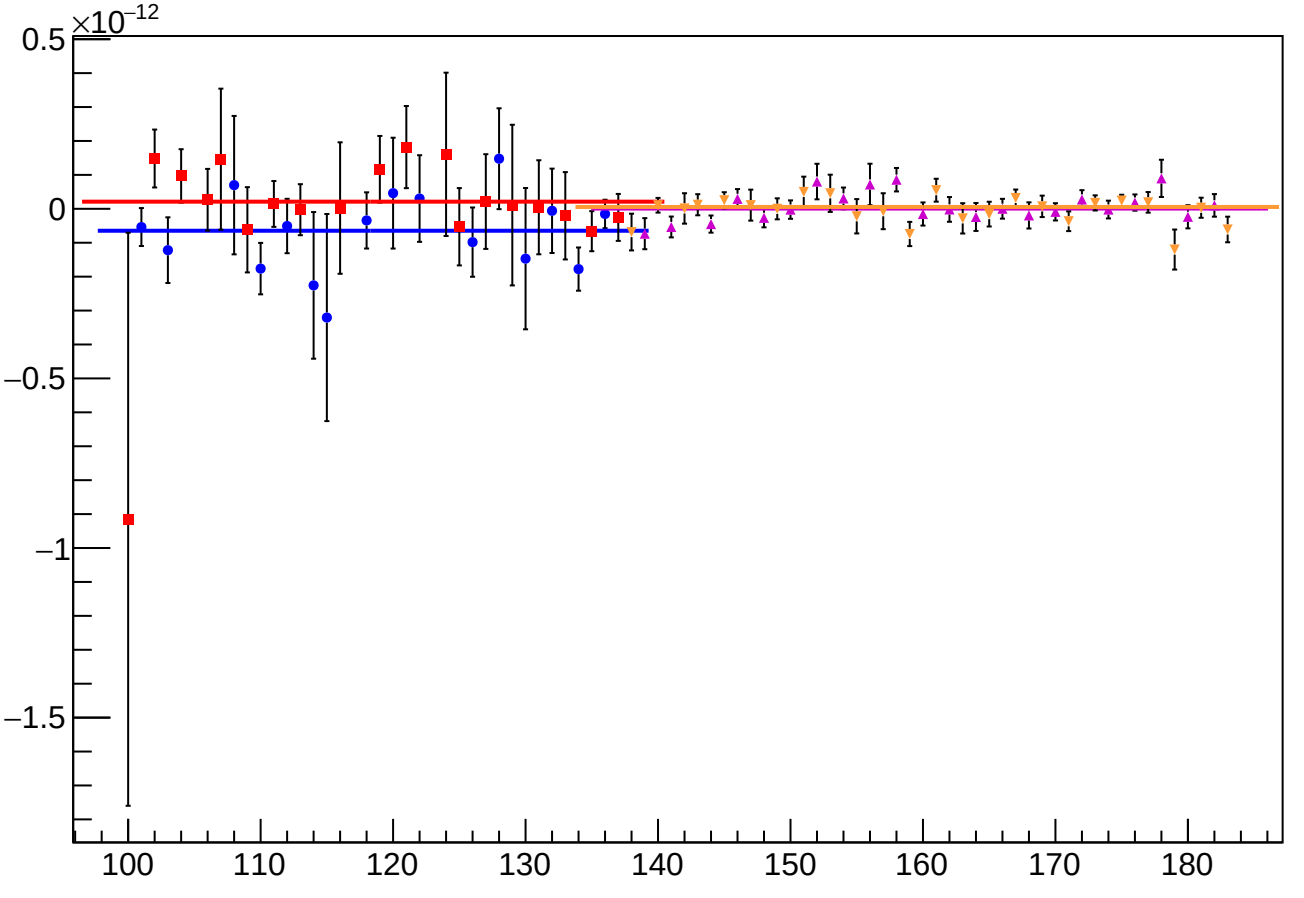
Left: 928.523+/-0.109 χ^2/NDF: 1513466.1/45

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 973.720+/-0.140 χ^2/NDF:1794532.3/37

Out: 970.856+/-0.136 χ^2/NDF:1977099.2/42

All: 972.248+/-0.098 χ^2/NDF: 3771846.7/80



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:27.2/21

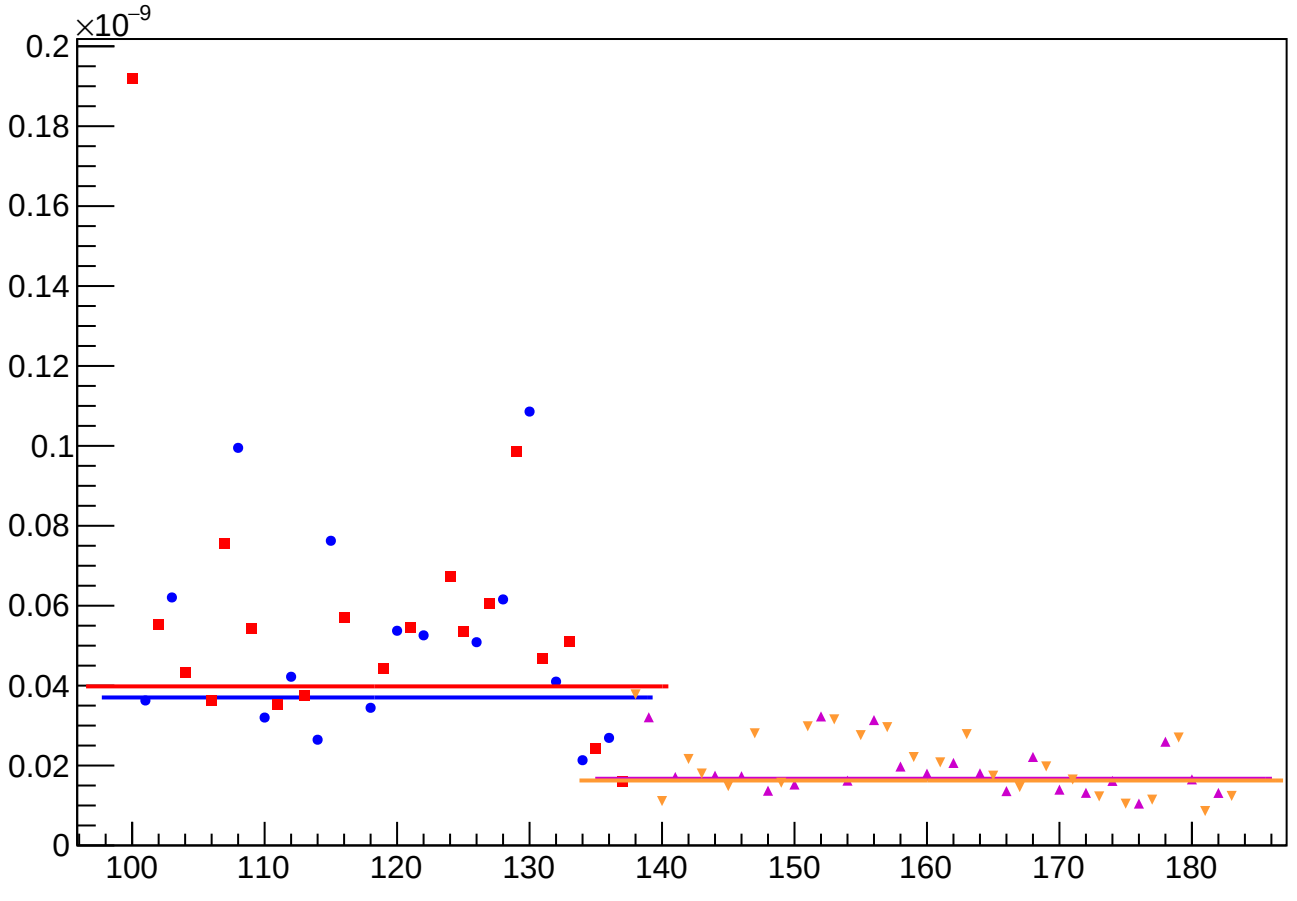
Left: 0.000+/-0.000 χ^2/NDF: 52.6/45

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:37.0/42

All: 0.000+/-0.000 χ^2/NDF: 86.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1988663.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:927477.6/21

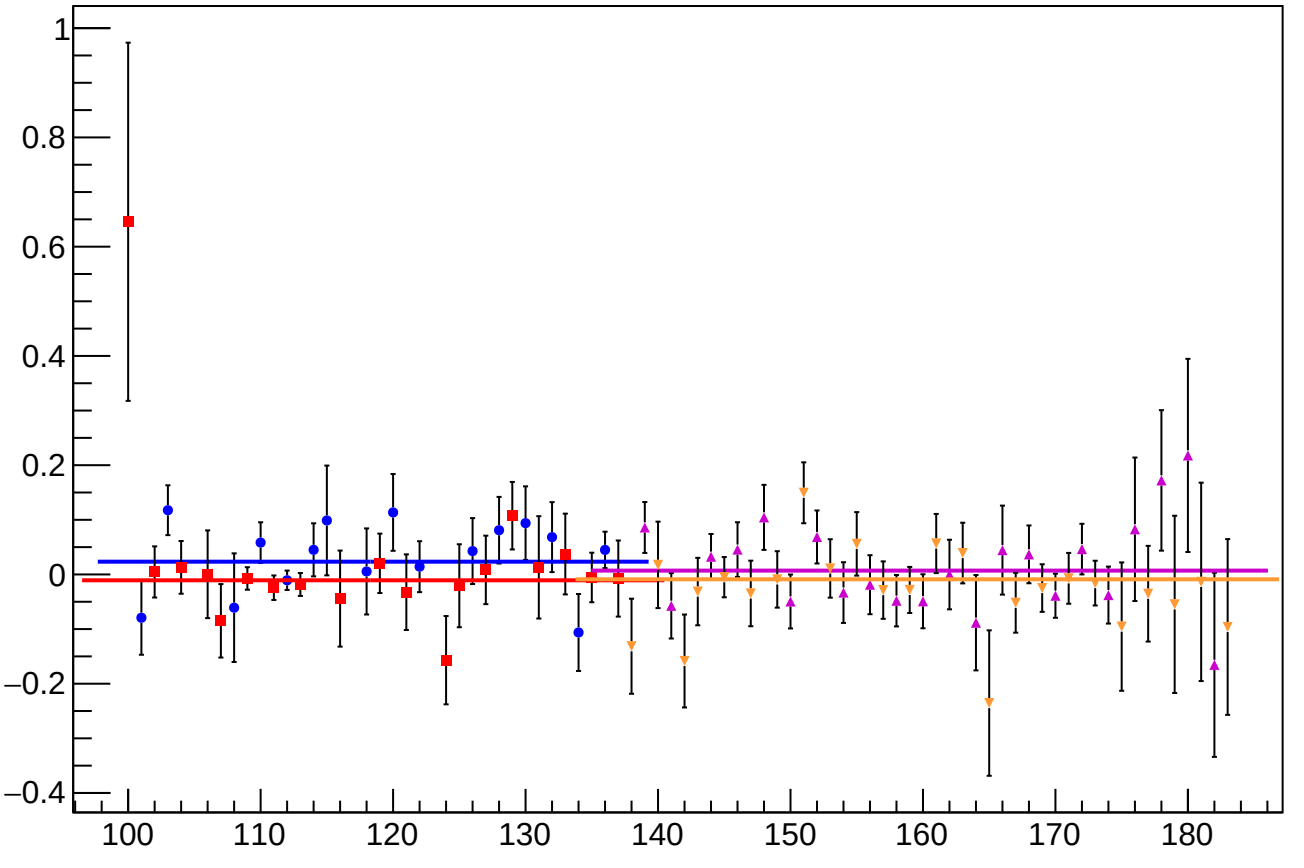
Left: 0.000+/-0.000 χ^2/NDF: 2920399.8/45

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:4819166.1/42

All: 0.000+/-0.000 χ^2/NDF: 8331544.6/80



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.009+/-0.012 χ^2/NDF:22.2/23

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.012 χ^2/NDF:22.9/21

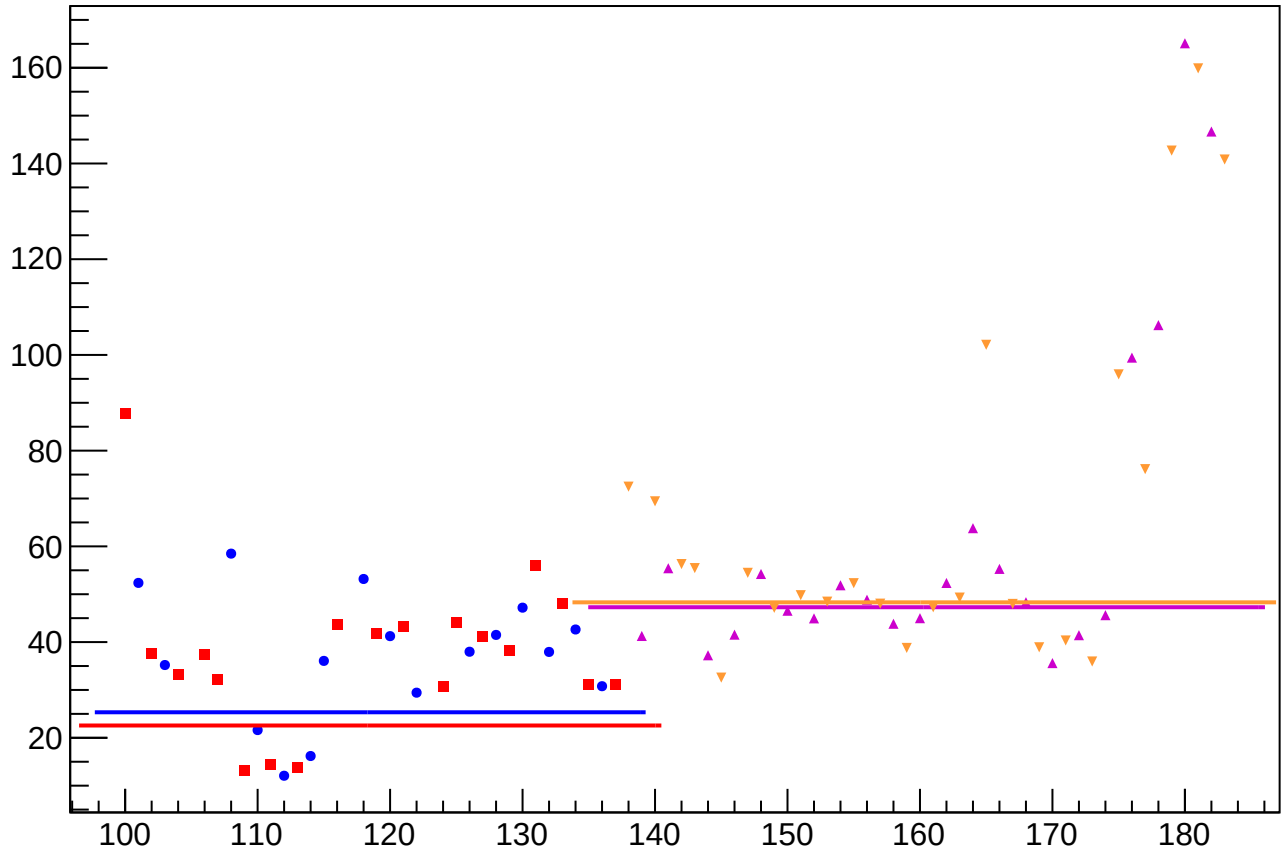
Left: -0.001+/-0.009 χ^2/NDF: 46.1/45

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:36.5/42

All: 0.002+/-0.006 χ^2/NDF: 86.6/80



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.306+/-0.008 χ^2/NDF:4127745.1/23

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: 47.796+/-0.006 χ^2/NDF: 7035559.6/45

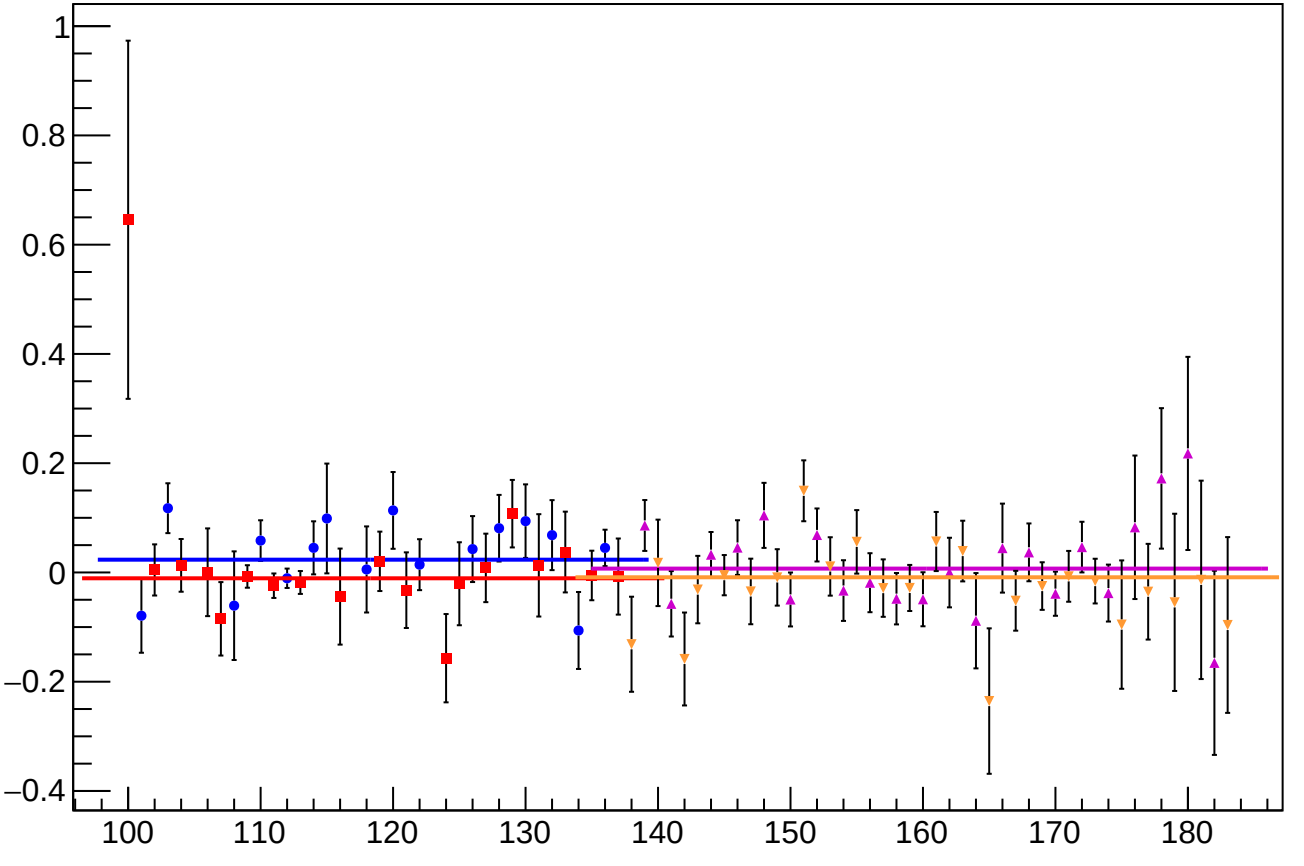
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 35.374+/-0.006 χ^2/NDF:9422896.4/37

Out: 32.853+/-0.005 χ^2/NDF:12775528.6/42

All: 34.024+/-0.004 χ^2/NDF: 22300732.8/80

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.009+/-0.012 χ^2/NDF:22.2/23

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.012 χ^2/NDF:22.9/21

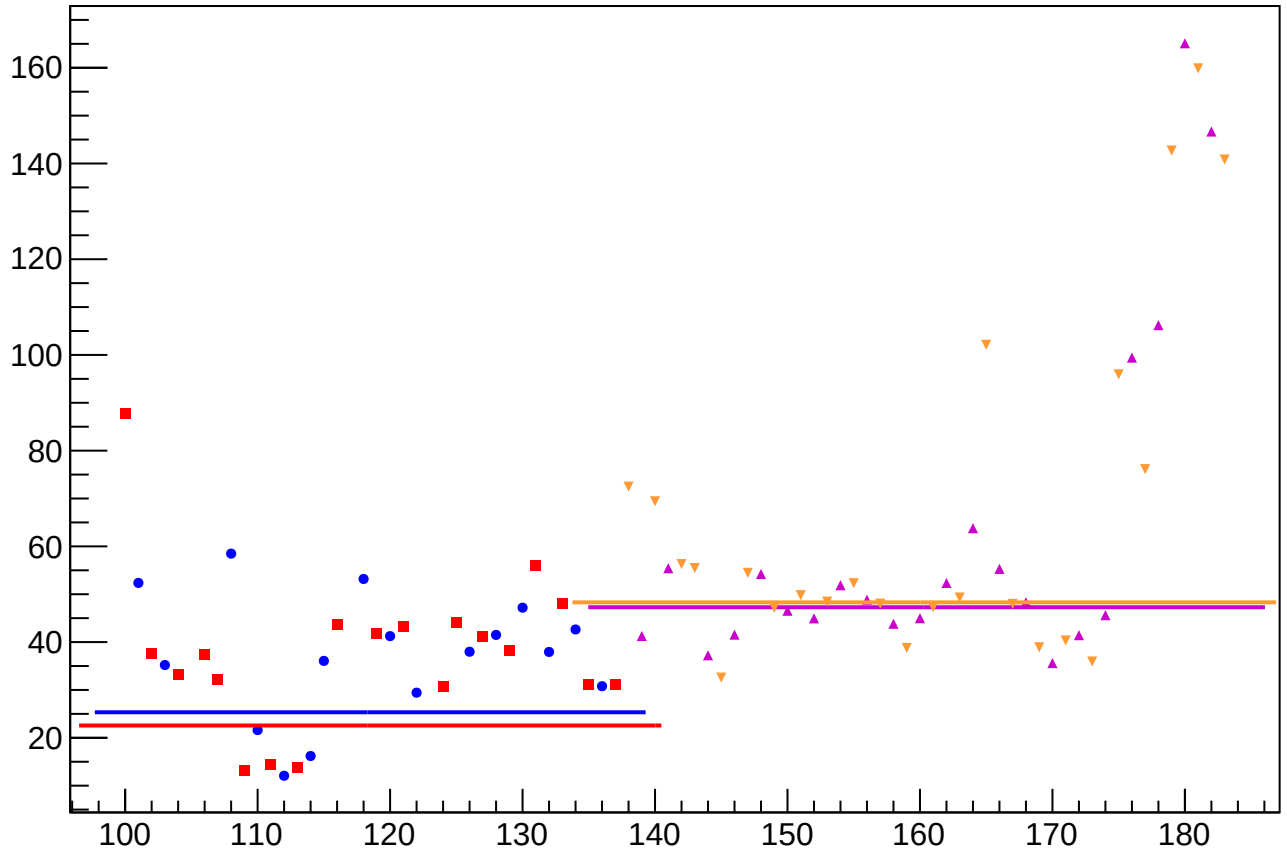
Left: -0.001+/-0.009 χ^2/NDF: 46.1/45

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:36.5/42

All: 0.002+/-0.006 χ^2/NDF: 86.6/80



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.306+/-0.008 χ^2/NDF:4127745.1/23

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 47.282+/-0.009 χ^2/NDF:2900588.8/21

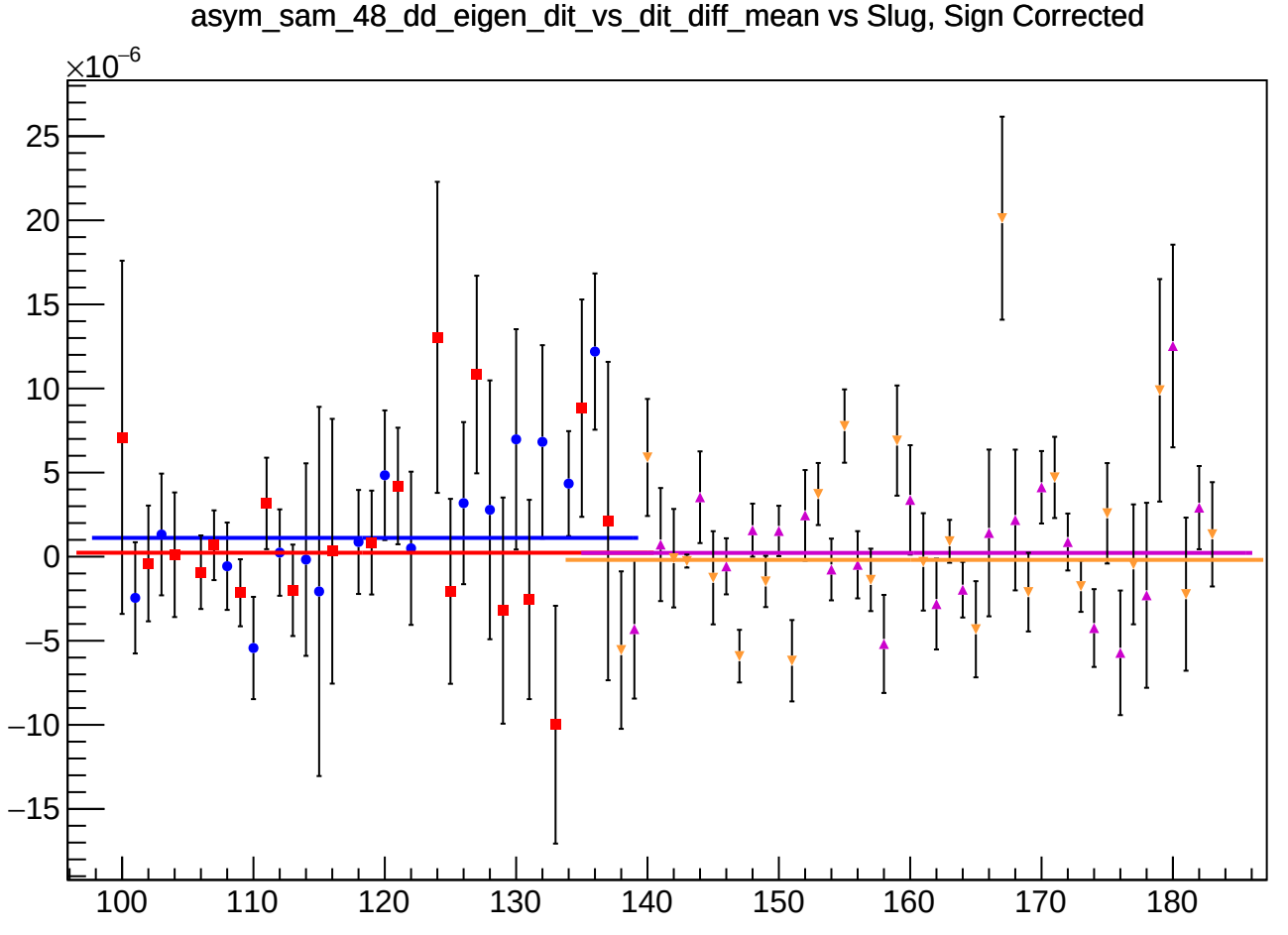
Left: 47.796+/-0.006 χ^2/NDF: 7035559.6/45

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 35.374+/-0.006 χ^2/NDF:9422896.4/37

Out: 32.853+/-0.005 χ^2/NDF:12775528.6/42

All: 34.024+/-0.004 χ^2/NDF: 22300732.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:71.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:28.5/21

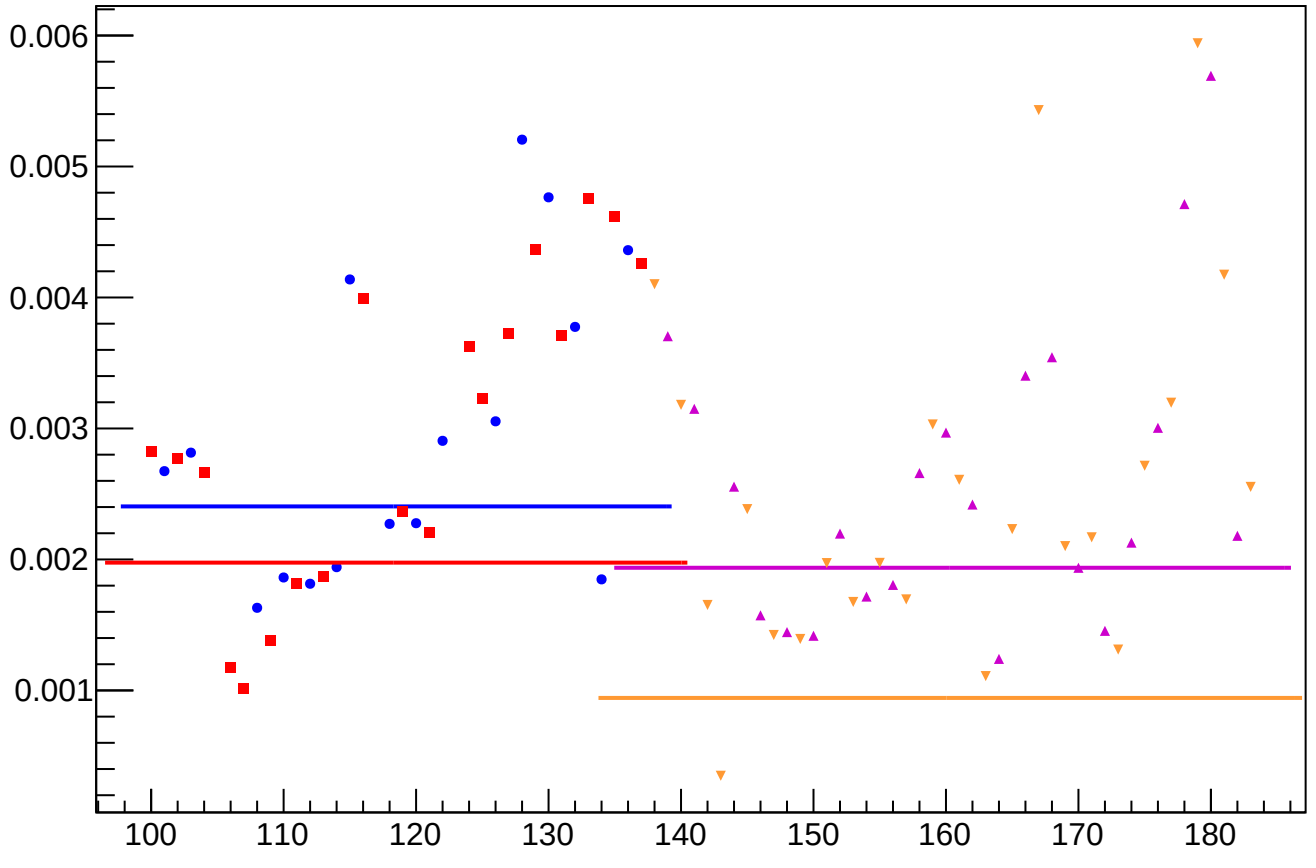
Left: -0.000+/-0.000 χ^2/NDF: 100.4/45

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:86.7/42

All: 0.000+/-0.000 χ^2/NDF: 133.2/80



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:17288284.1/23

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:4175608.3/21

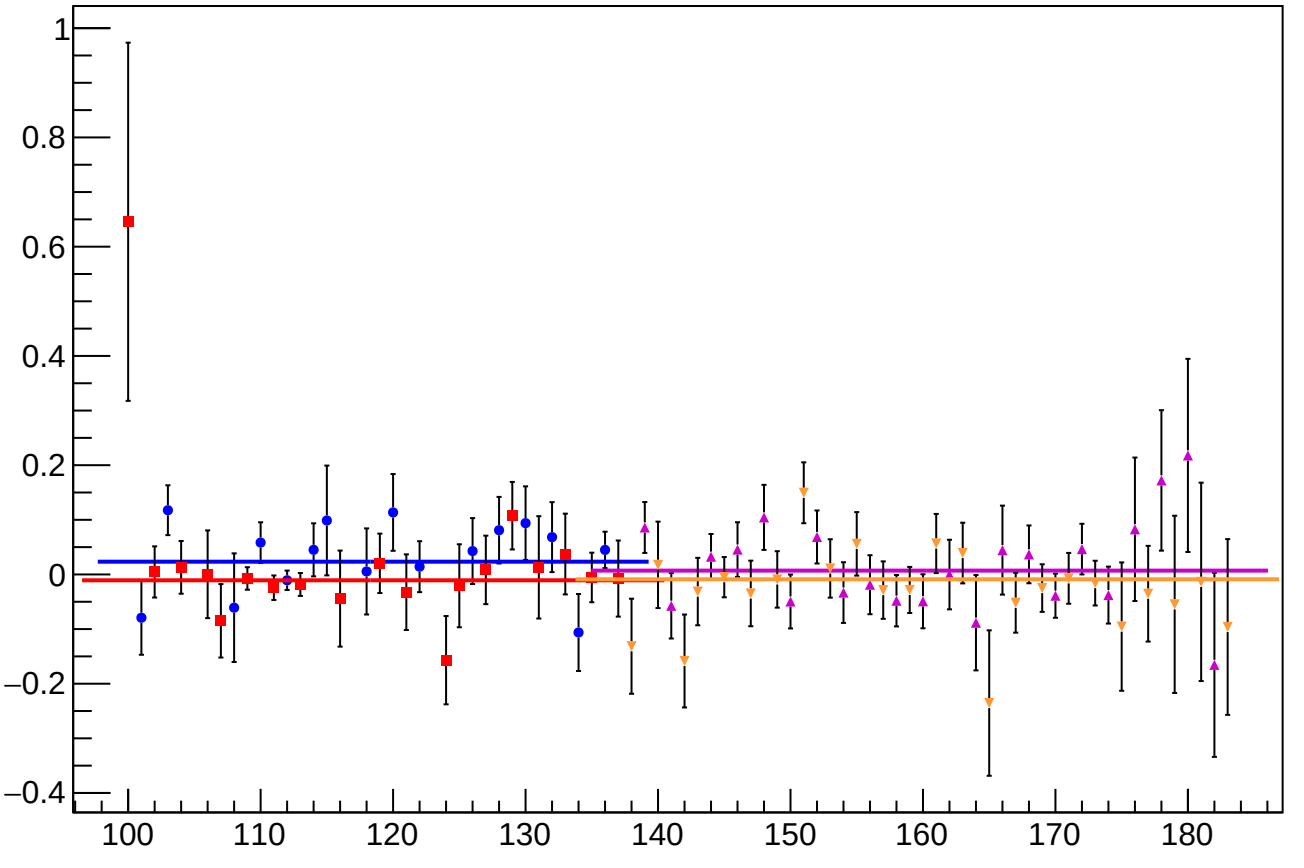
Left: 0.001+/-0.000 χ^2/NDF: 27296364.9/45

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:22904644.2/42

All: 0.001+/-0.000 χ^2/NDF: 35868133.7/80



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.009+/-0.012 χ^2/NDF:22.2/23

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.012 χ^2/NDF:23.0/21

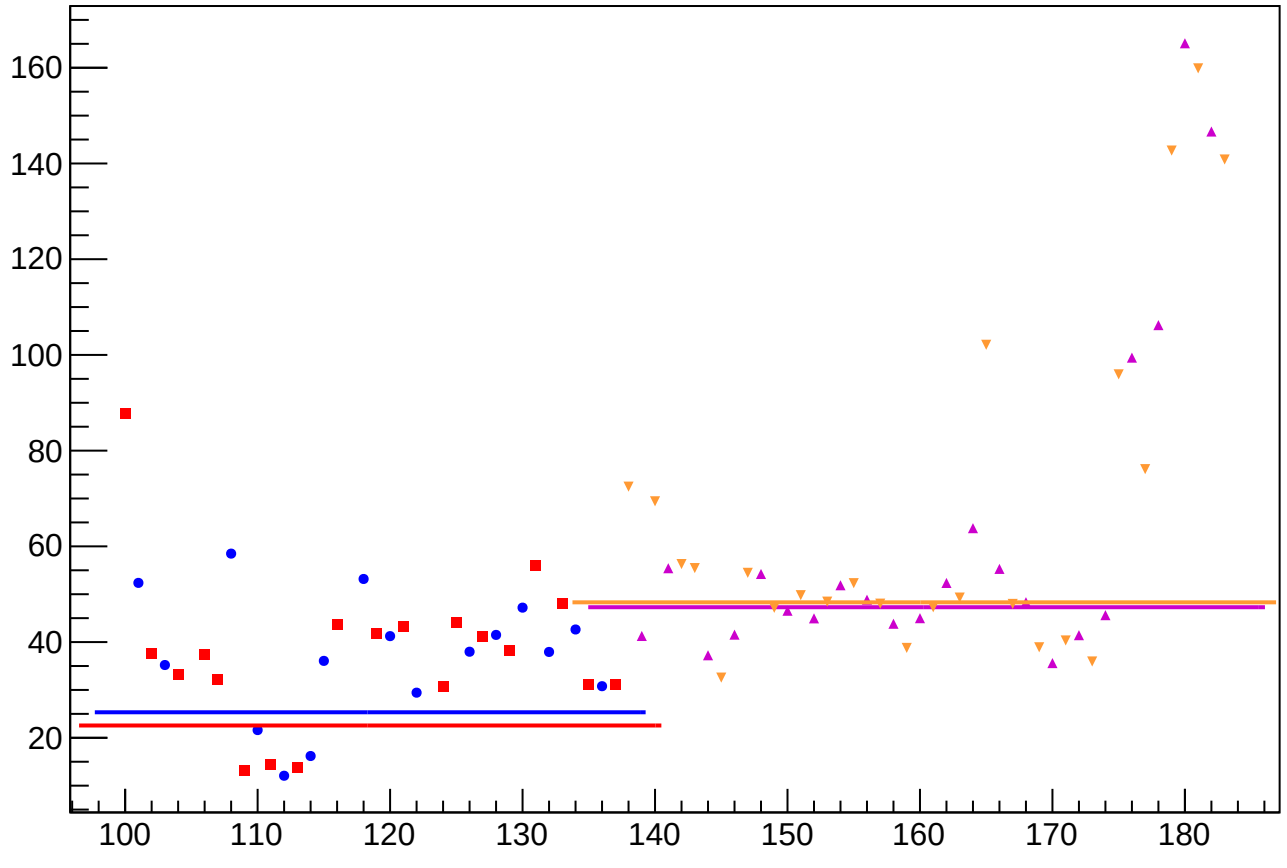
Left: -0.001+/-0.009 χ^2/NDF: 46.1/45

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:36.5/42

All: 0.002+/-0.006 χ^2/NDF: 86.6/80



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.306+/-0.008 χ^2/NDF:4127712.7/23

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: 47.796+/-0.006 χ^2/NDF: 7035476.6/45

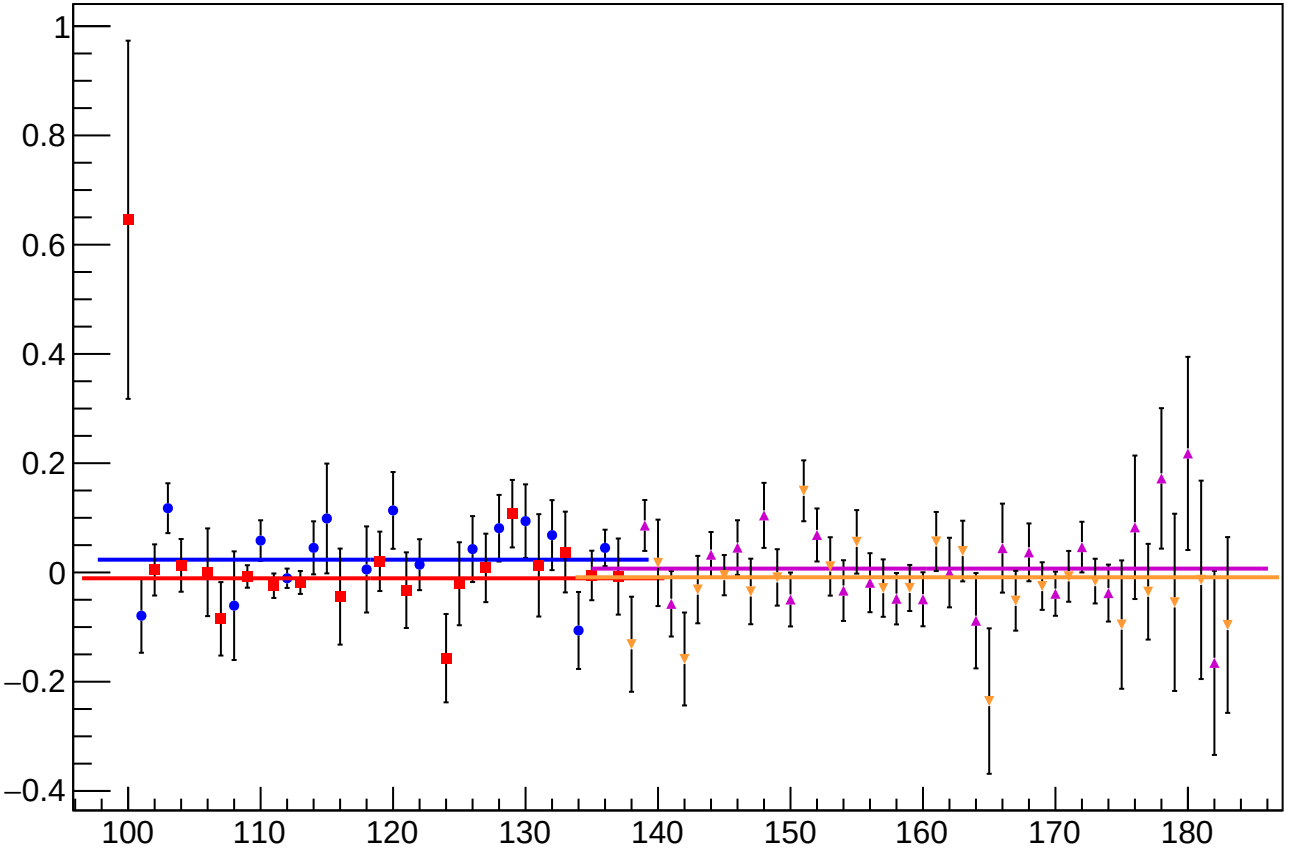
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 35.373+/-0.006 χ^2/NDF:9423864.8/37

Out: 32.853+/-0.005 χ^2/NDF:12775889.8/42

All: 34.024+/-0.004 χ^2/NDF: 22302004.6/80

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: -0.009+/-0.012 χ^2/NDF:22.2/23

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: 46.1/45

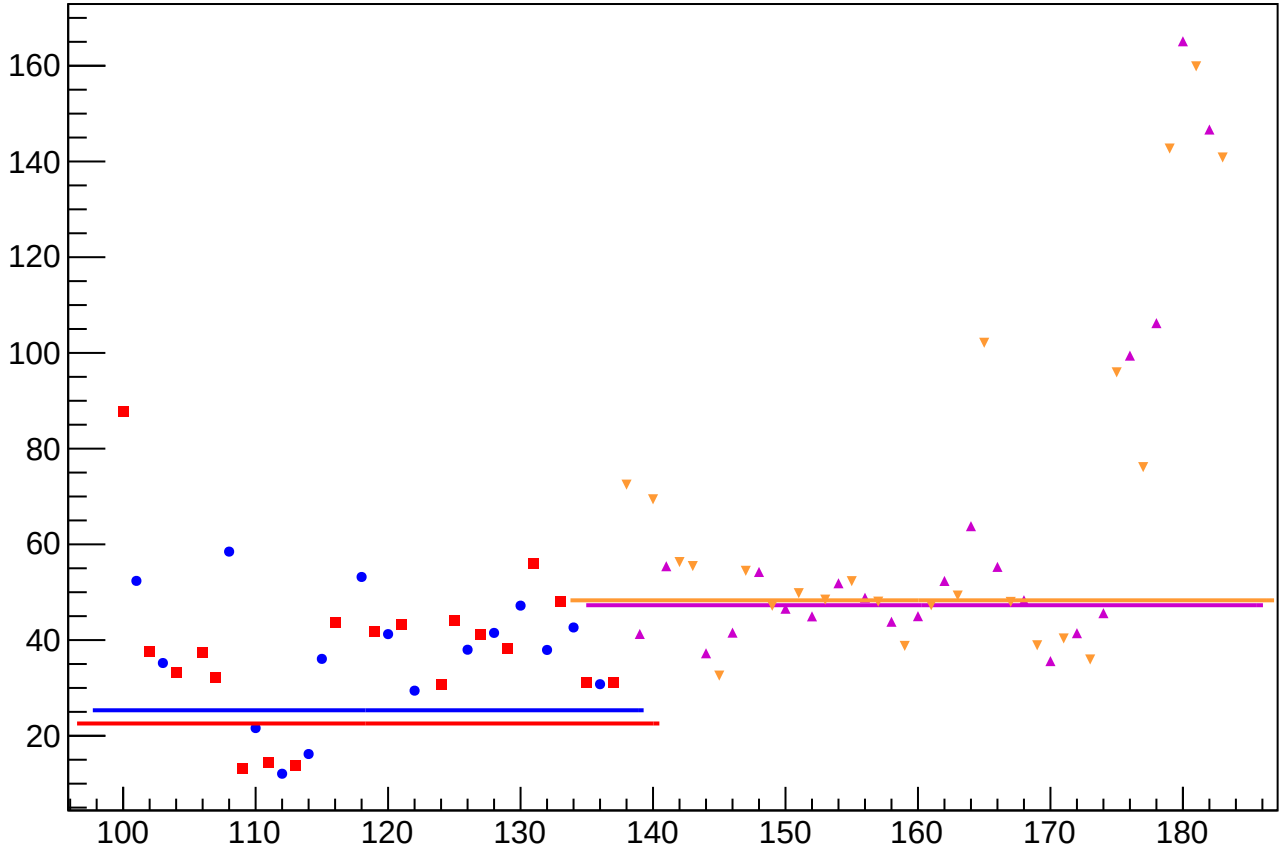
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:44.7/37

Out: -0.010+/-0.008 χ^2/NDF:36.5/42

All: 0.002+/-0.006 χ^2/NDF: 86.6/80

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: 48.306+/-0.008 χ^2/NDF:4127712.7/23

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 47.283+/-0.009 χ^2/NDF:2900538.2/21

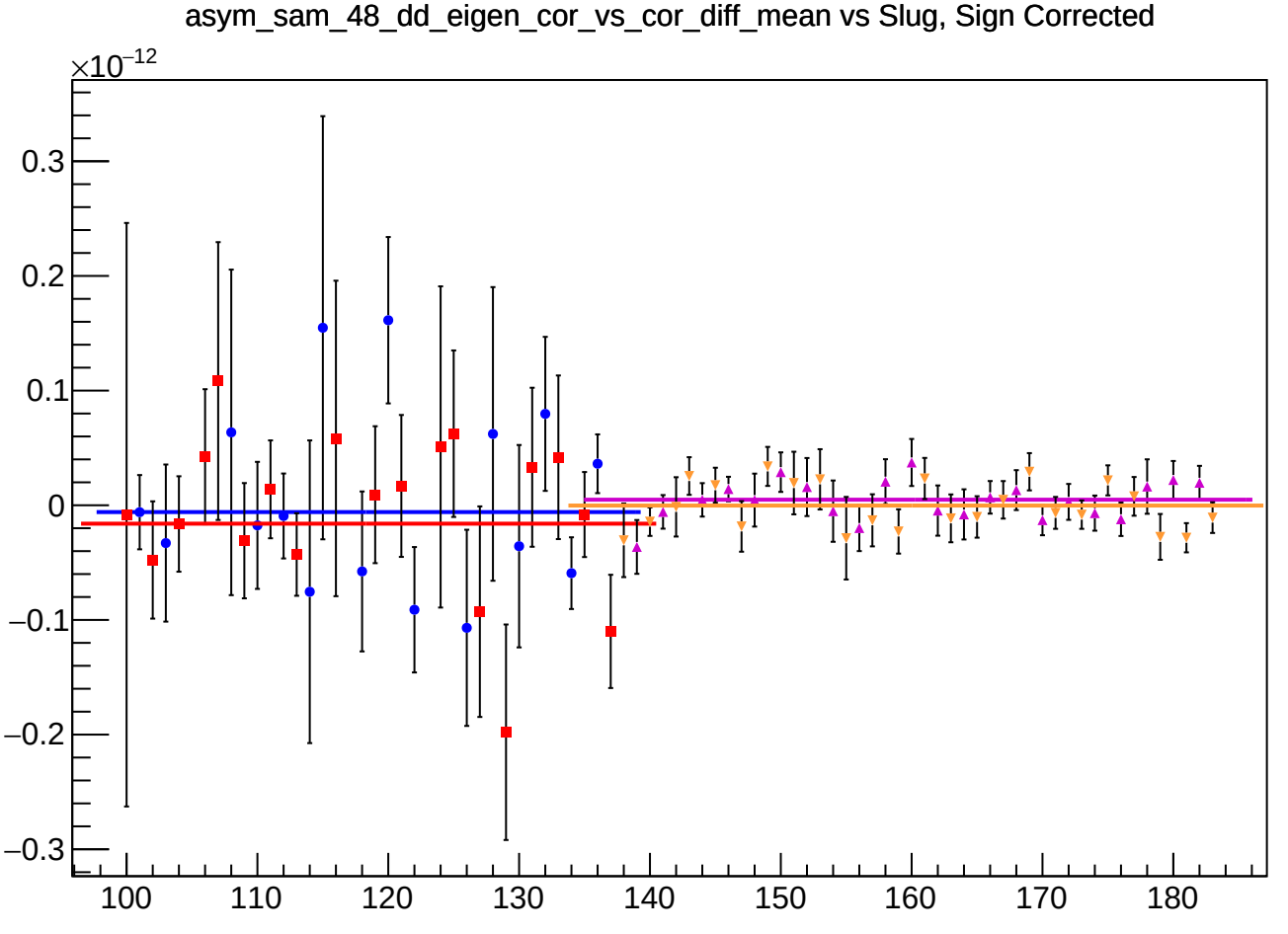
Left: 47.796+/-0.006 χ^2/NDF: 7035476.6/45

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 35.373+/-0.006 χ^2/NDF:9423864.8/37

Out: 32.853+/-0.005 χ^2/NDF:12775889.8/42

All: 34.024+/-0.004 χ^2/NDF: 22302004.6/80



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:18.2/21

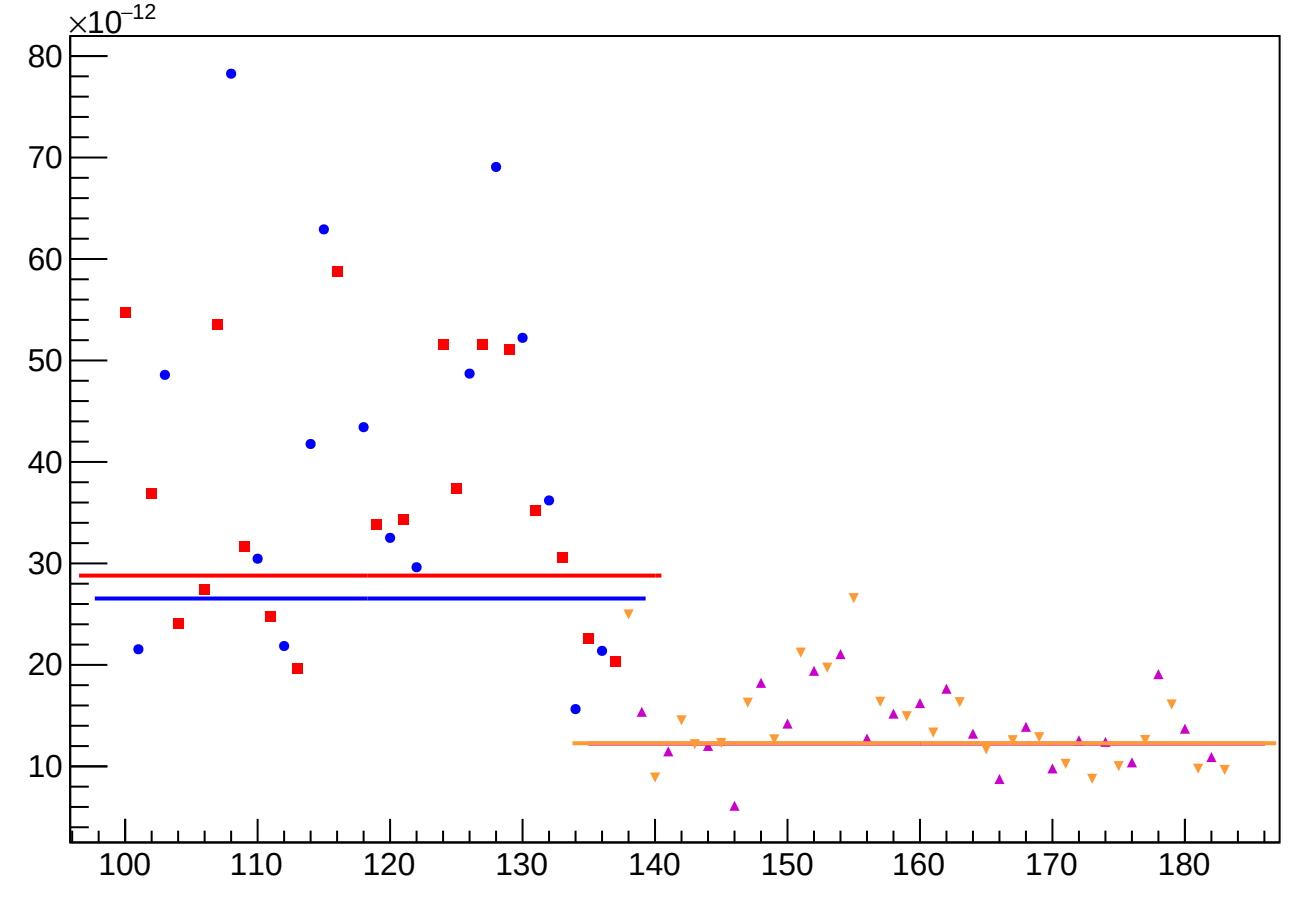
Left: 0.000+/-0.000 χ^2/NDF: 50.2/45

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:47.3/42

All: 0.000+/-0.000 χ^2/NDF: 86.2/80



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1915078.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1924342.1/21

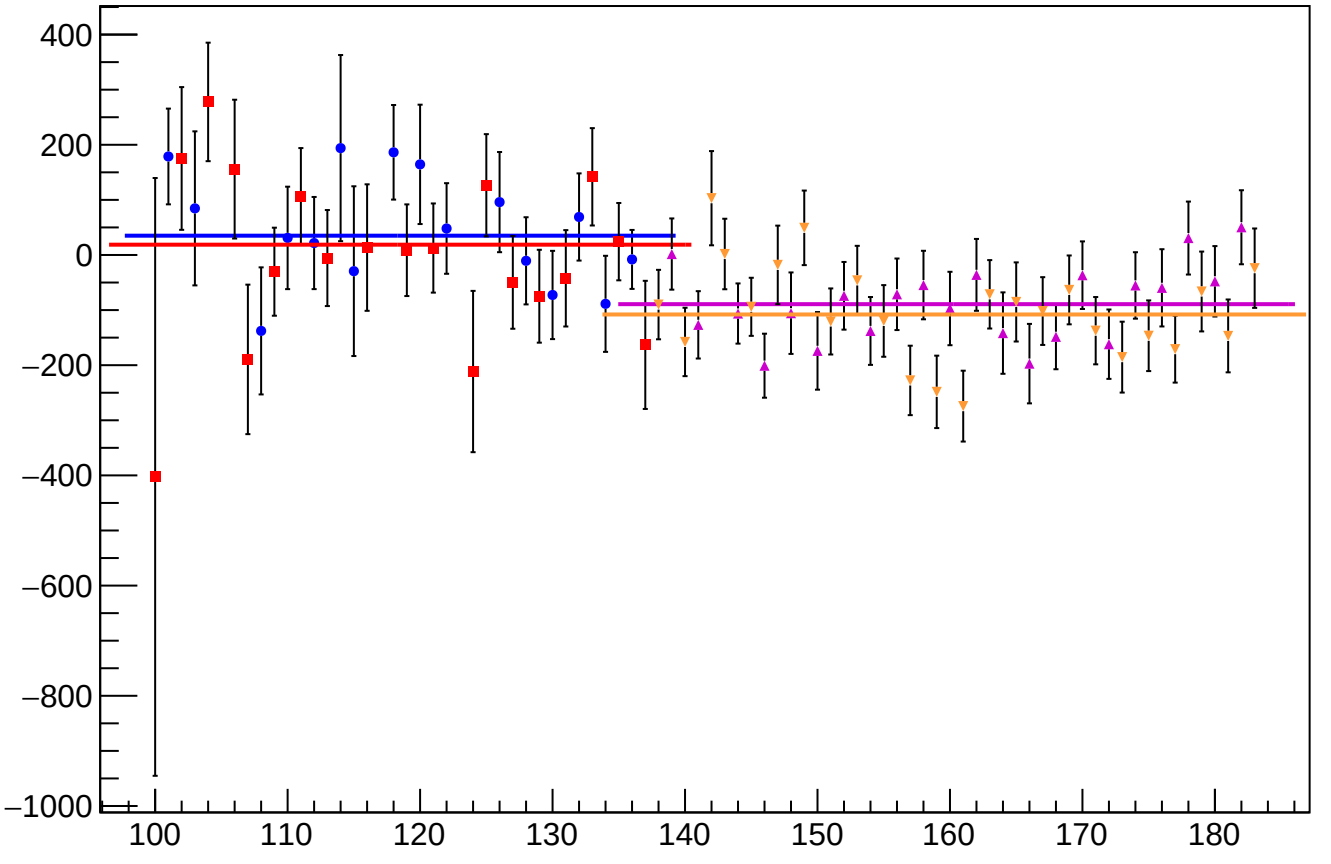
Left: 0.000+/-0.000 χ^2/NDF: 3839530.6/45

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:5715970.9/42

All: 0.000+/-0.000 χ^2/NDF: 11674719.6/80



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.964+/-13.162 χ^2/NDF:38.9/23

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -89.253+/-13.654 χ^2/NDF:23.7/21

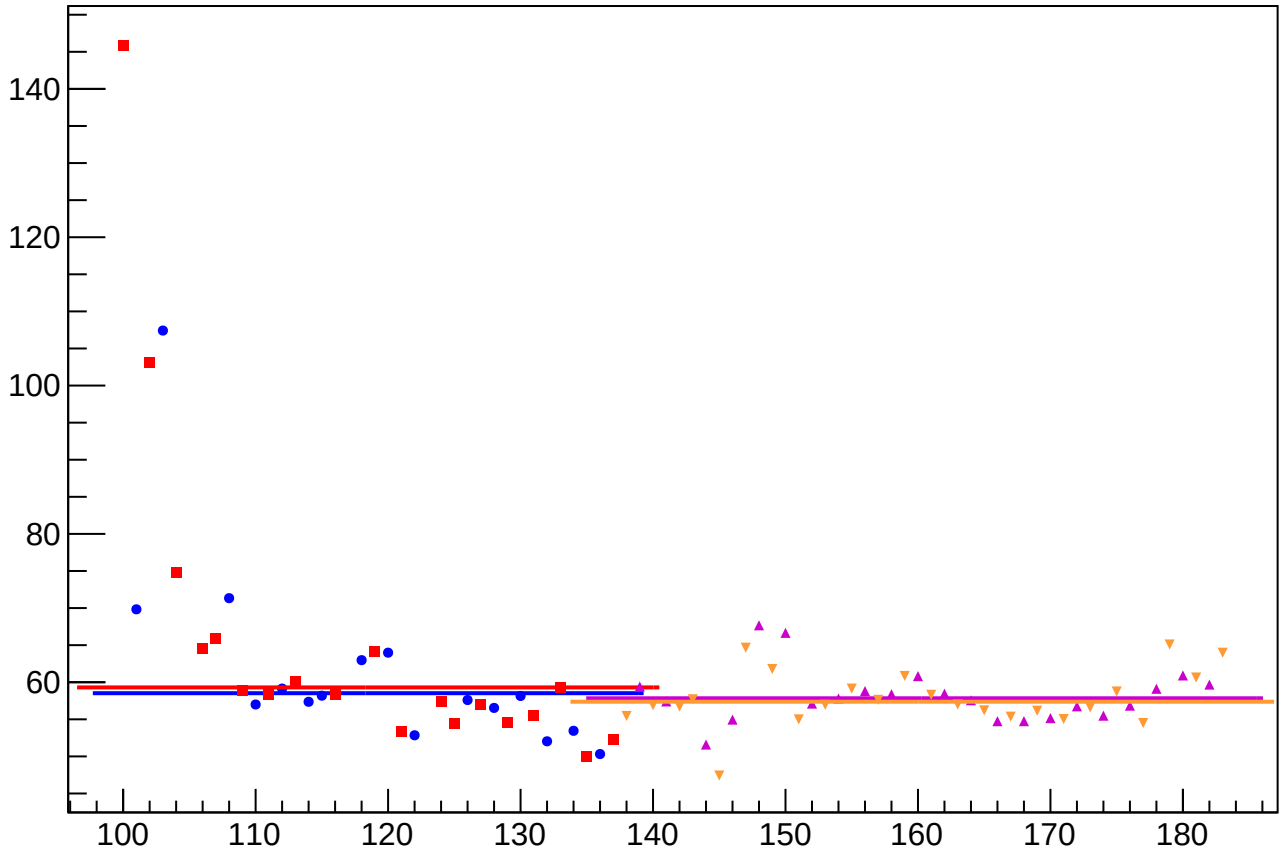
Left: -98.951+/-9.476 χ^2/NDF: 63.6/45

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -55.000+/-11.621 χ^2/NDF:62.8/37

Out: -74.883+/-11.313 χ^2/NDF:86.6/42

All: -65.208+/-8.106 χ^2/NDF: 150.8/80



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 57.374+/-0.009 χ^2/NDF:170054.6/23

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.836+/-0.010 χ^2/NDF:128073.2/21

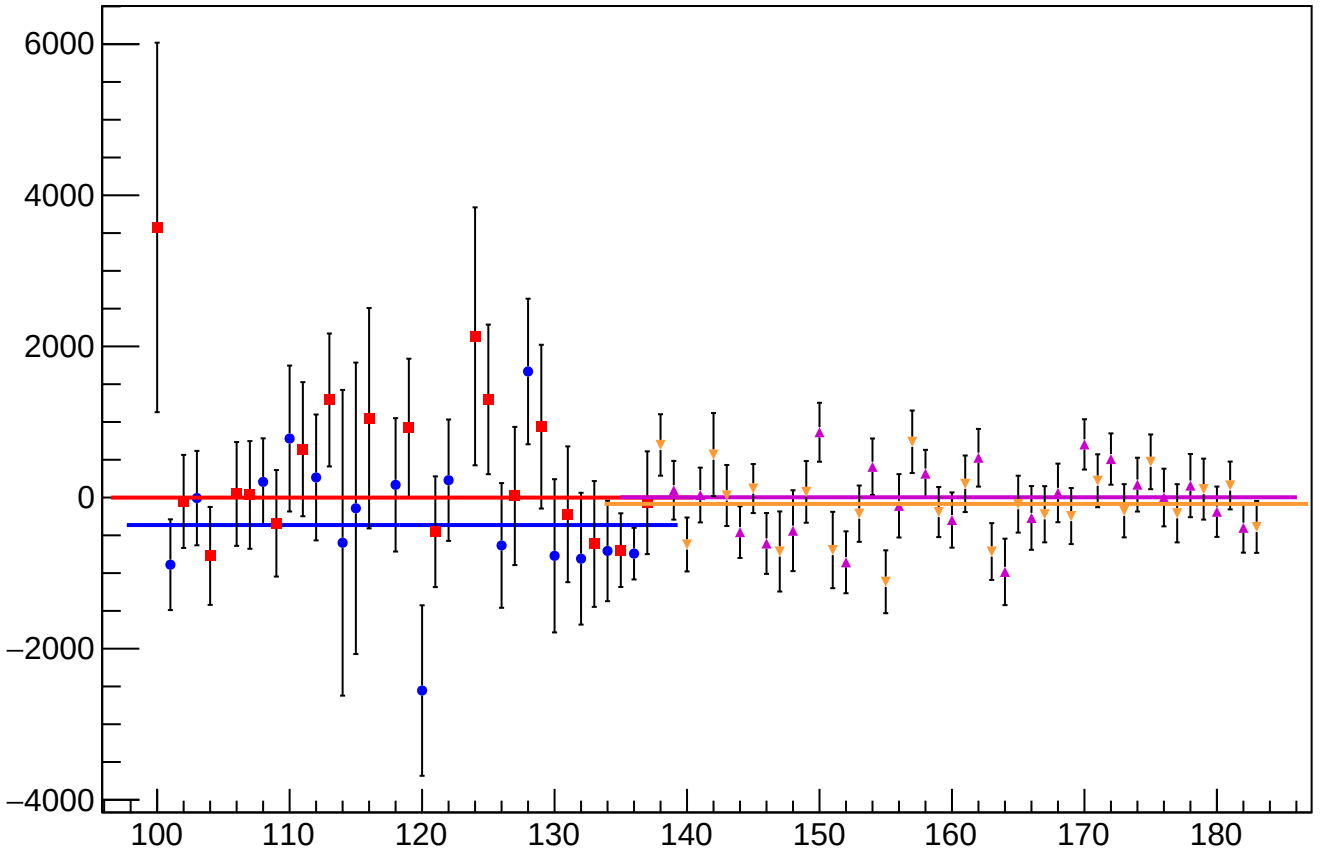
Left: 57.597+/-0.007 χ^2/NDF: 299312.4/45

Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.025+/-0.008 χ^2/NDF:522205.5/37

Out: 57.878+/-0.008 χ^2/NDF:587860.0/42

All: 57.949+/-0.006 χ^2/NDF: 1110230.5/80



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -84.033+/-77.802 χ^2/NDF:29.7/23

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: 3.624+/-80.035 χ^2/NDF:33.2/21

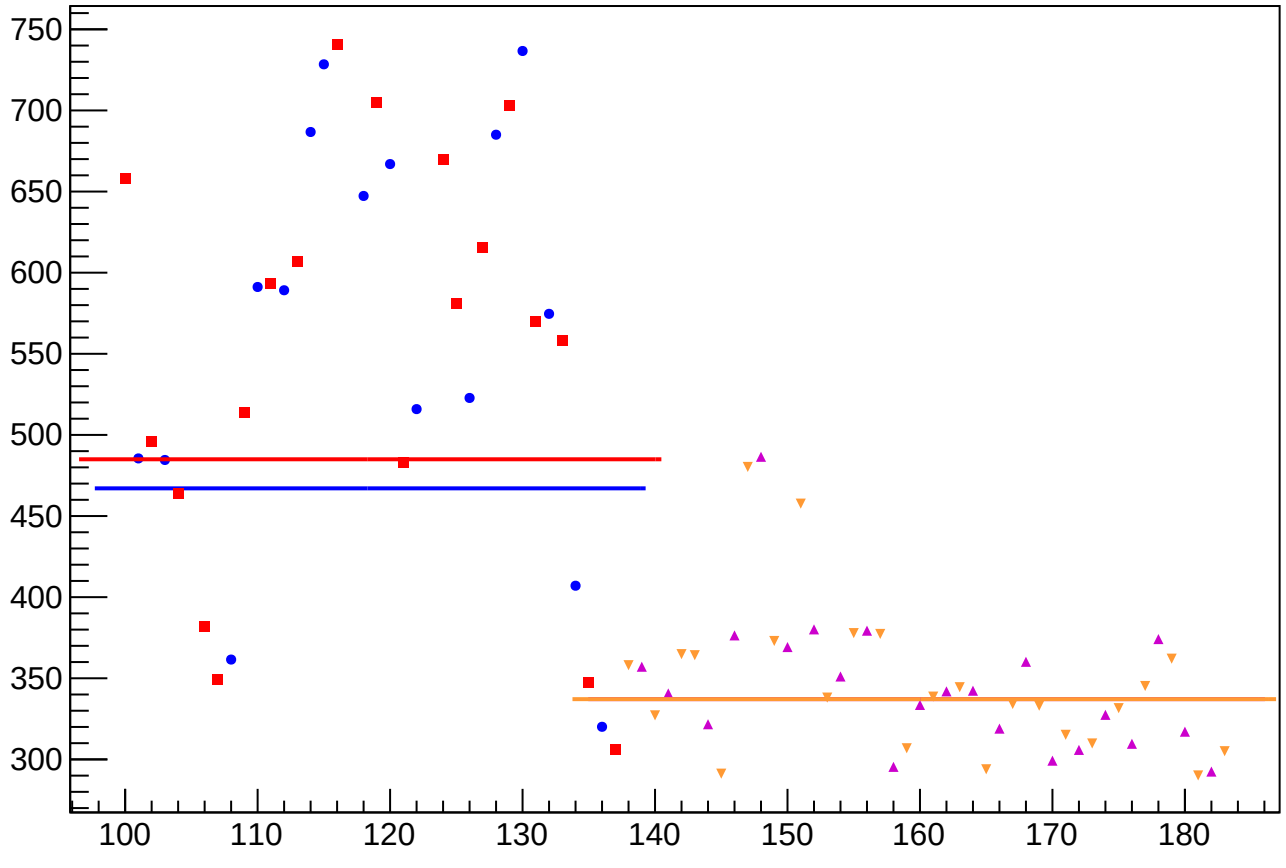
Left: -41.445+/-55.787 χ^2/NDF: 63.6/45

Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -56.735+/-73.172 χ^2/NDF:51.9/37

Out: -71.267+/-71.605 χ^2/NDF:45.0/42

All: -64.158+/-51.177 χ^2/NDF: 96.9/80



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 337.135+/-0.055 χ^2/NDF:508669.5/23

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 337.153+/-0.057 χ^2/NDF:404423.8/21

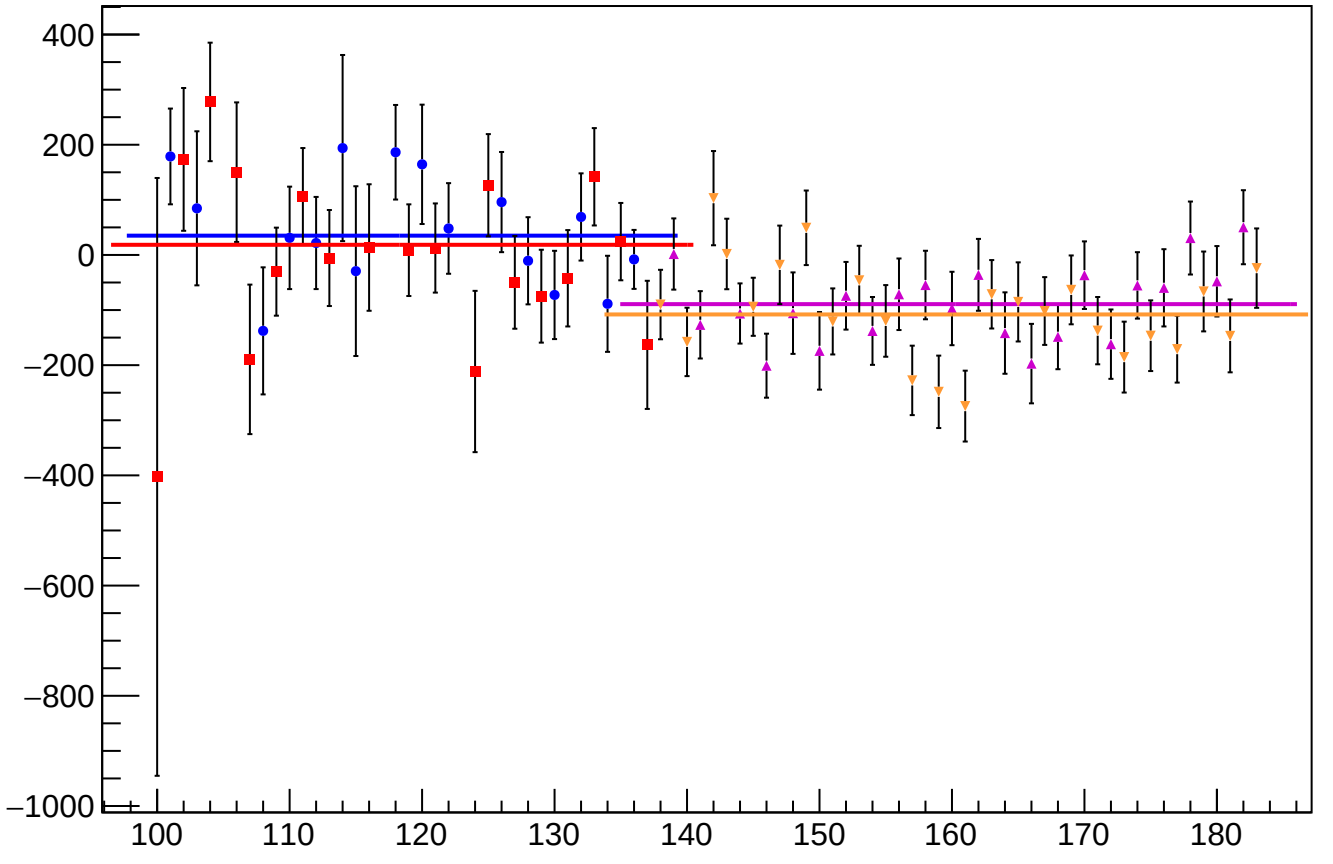
Left: 337.144+/-0.039 χ^2/NDF: 913093.4/45

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 358.479+/-0.052 χ^2/NDF:2299745.5/37

Out: 359.750+/-0.051 χ^2/NDF:2487485.5/42

All: 359.128+/-0.036 χ^2/NDF: 4787539.1/80



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.963+/-13.162 χ^2/NDF:38.9/23

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -89.255+/-13.654 χ^2/NDF:23.7/21

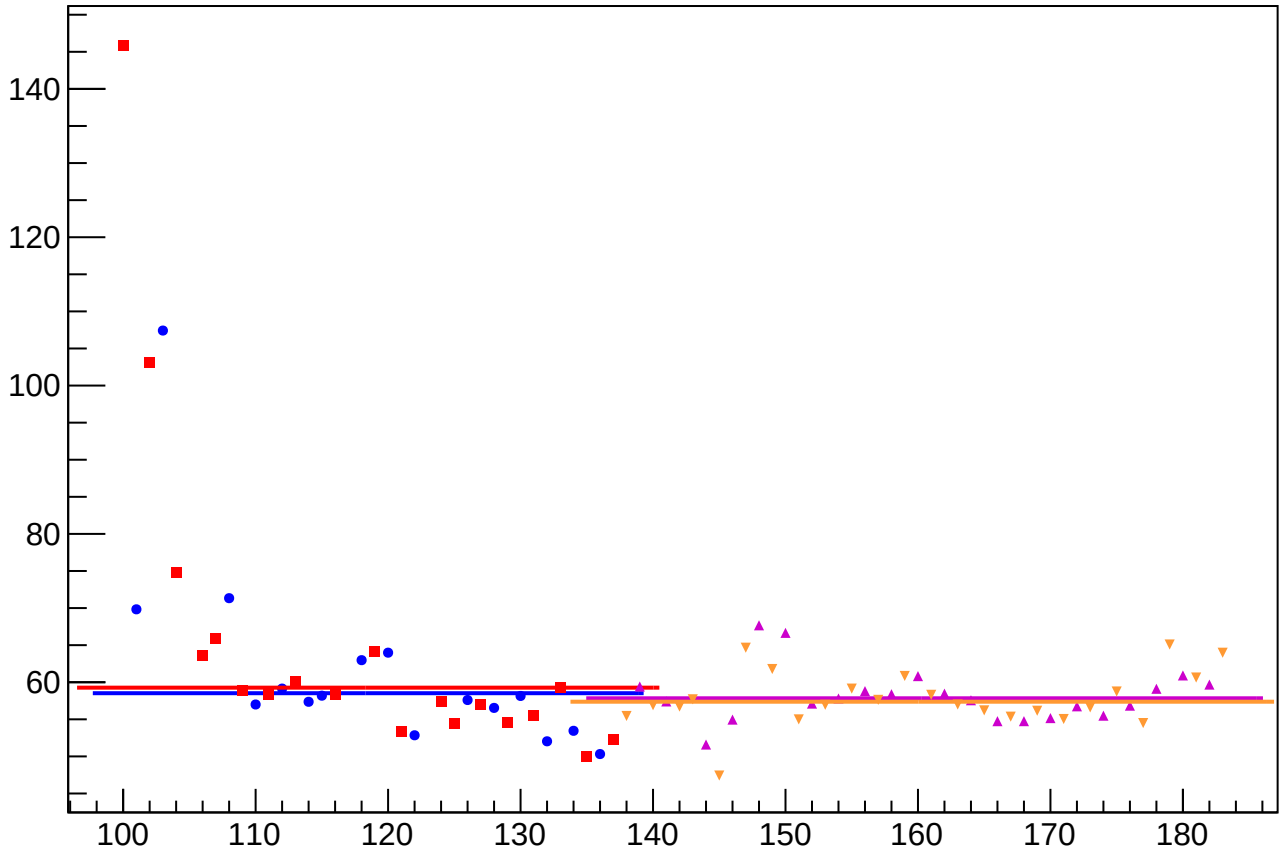
Left: -98.952+/-9.476 χ^2/NDF: 63.6/45

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -55.001+/-11.621 χ^2/NDF:62.8/37

Out: -74.963+/-11.314 χ^2/NDF:86.3/42

All: -65.249+/-8.106 χ^2/NDF: 150.6/80



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.374+/-0.009 χ^2/NDF:170054.6/23

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.836+/-0.010 χ^2/NDF:128073.2/21

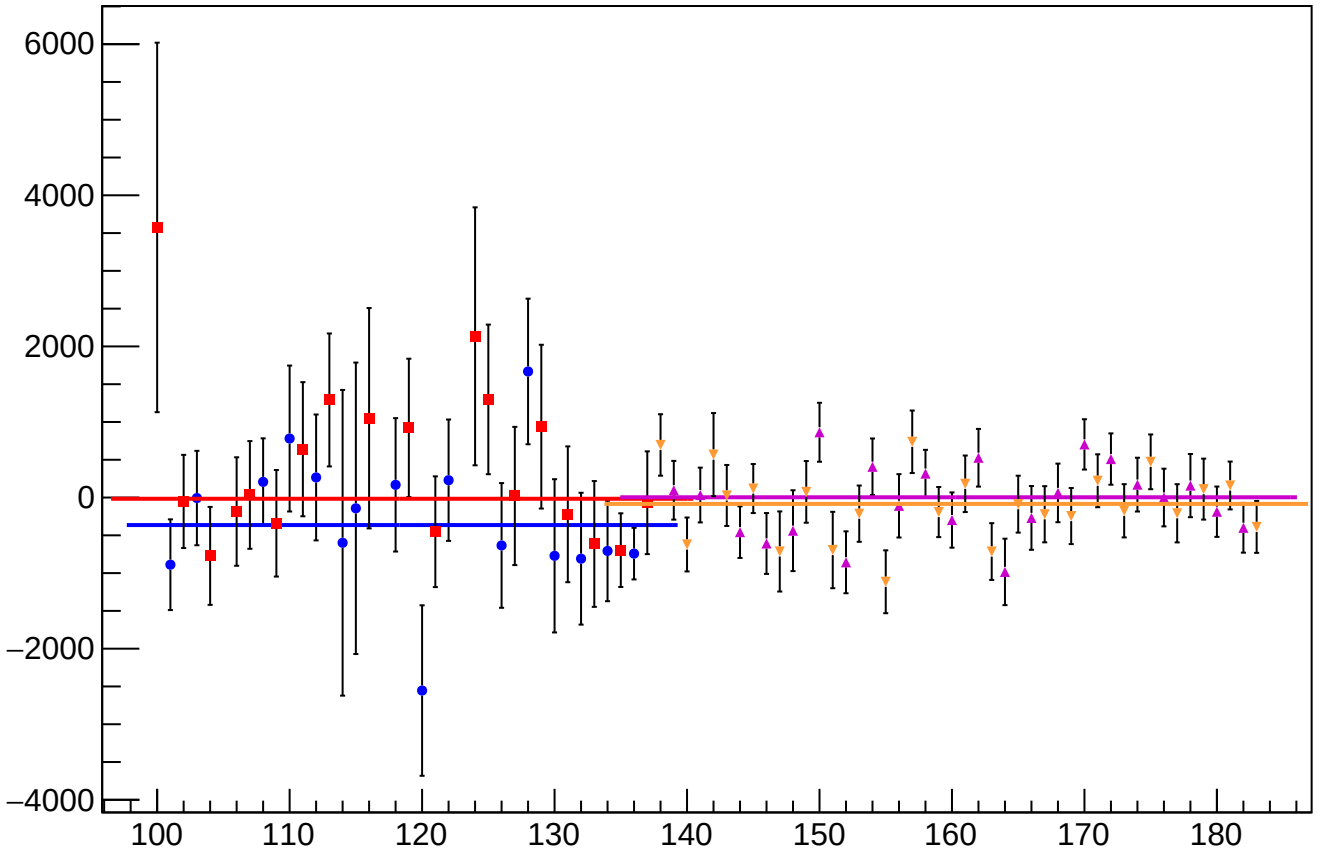
Left: 57.597+/-0.007 χ^2/NDF: 299312.5/45

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.025+/-0.008 χ^2/NDF:522207.6/37

Out: 57.869+/-0.008 χ^2/NDF:586495.1/42

All: 57.945+/-0.006 χ^2/NDF: 1108887.2/80



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -84.035+/-77.802 χ^2/NDF:29.7/23

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: -41.446+/-55.787 χ^2/NDF: 63.6/45

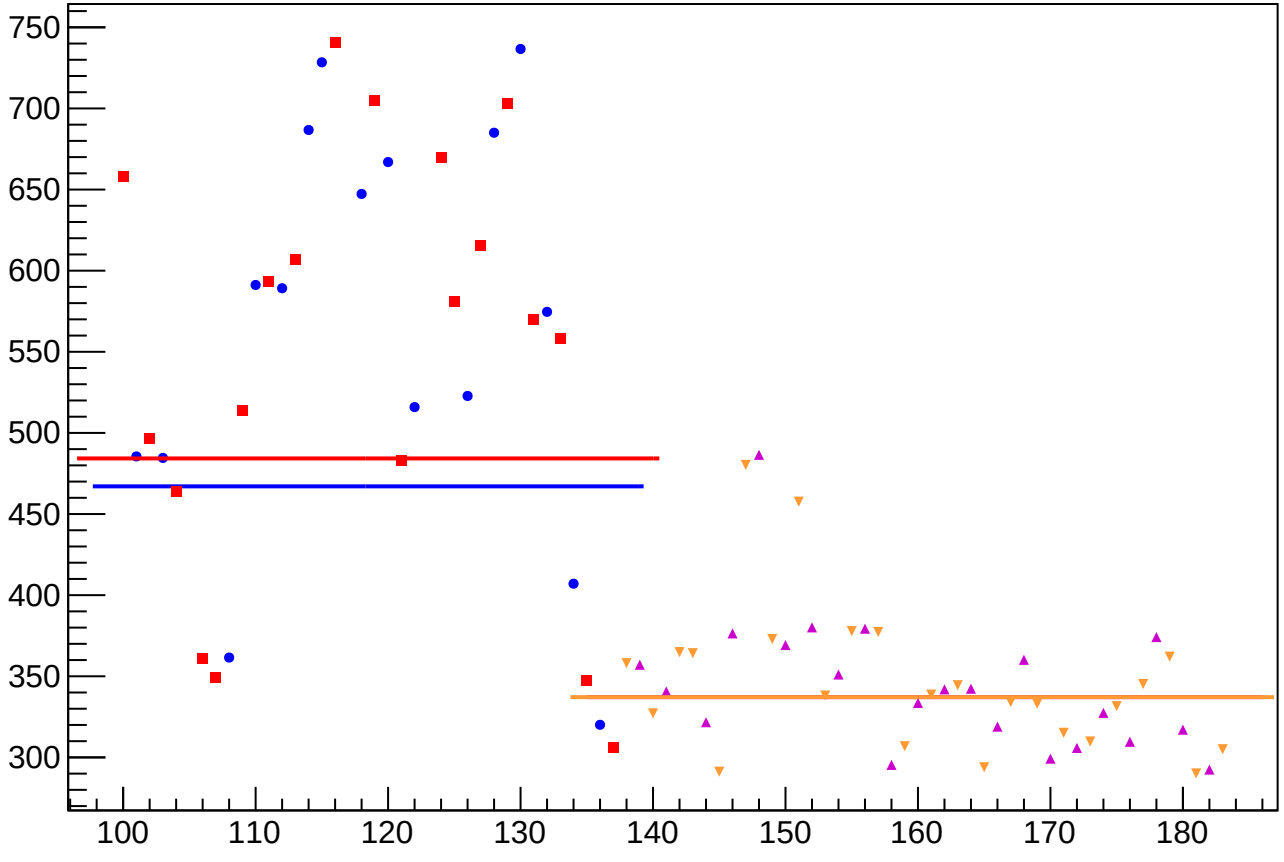
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -56.730+/-73.172 χ^2/NDF:51.9/37

Out: -73.696+/-71.638 χ^2/NDF:45.0/42

All: -65.392+/-51.190 χ^2/NDF: 96.9/80

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: 337.135+/-0.055 χ^2/NDF:508670.1/23

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 337.153+/-0.057 χ^2/NDF:404426.4/21

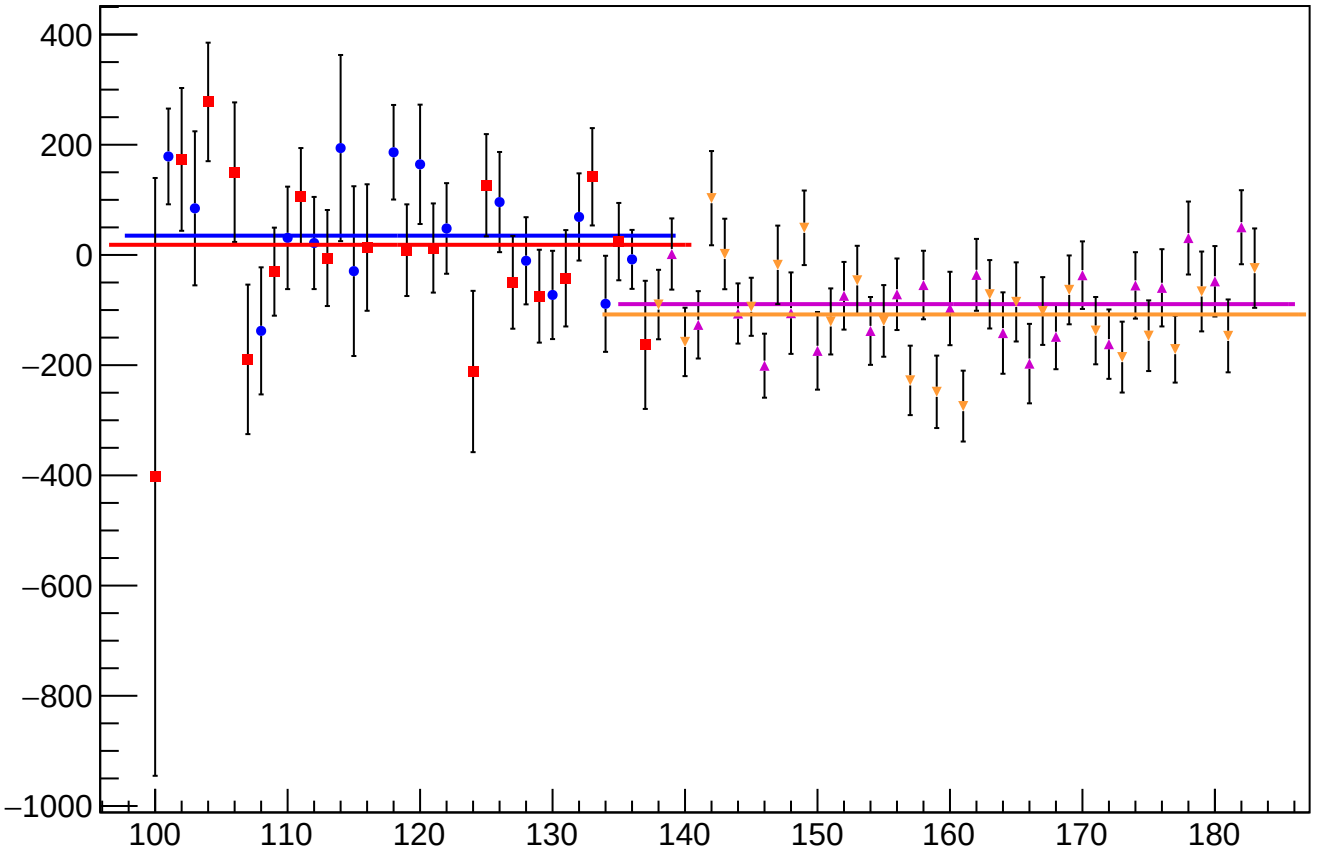
Left: 337.144+/-0.039 χ^2/NDF: 913096.6/45

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 358.479+/-0.052 χ^2/NDF:2299776.6/37

Out: 359.524+/-0.051 χ^2/NDF:2485924.4/42

All: 359.013+/-0.036 χ^2/NDF: 4785909.2/80



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.963+/-13.162 χ^2/NDF:38.9/23

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -89.255+/-13.654 χ^2/NDF:23.7/21

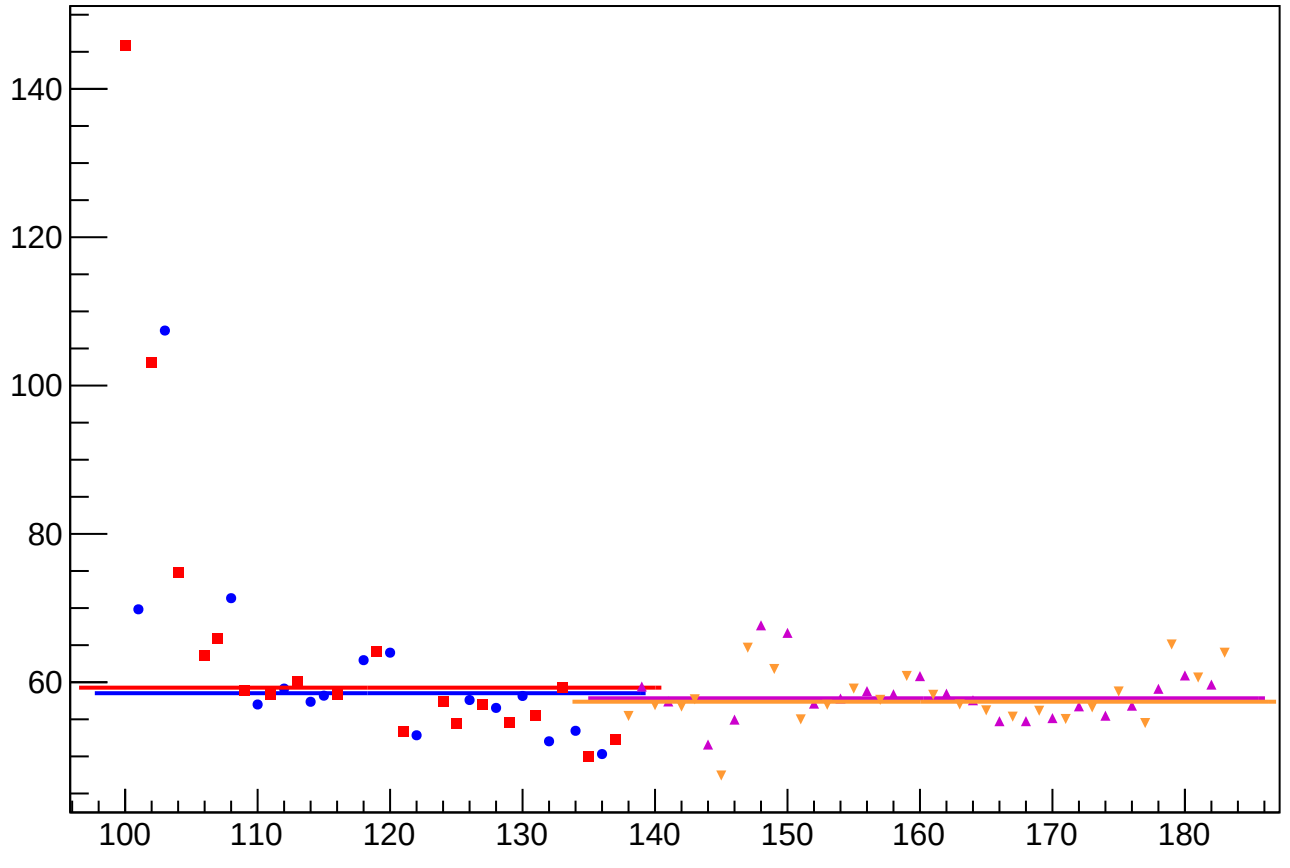
Left: -98.952+/-9.476 χ^2/NDF: 63.6/45

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -55.001+/-11.621 χ^2/NDF:62.8/37

Out: -74.963+/-11.314 χ^2/NDF:86.3/42

All: -65.249+/-8.106 χ^2/NDF: 150.6/80



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.374+/-0.009 χ^2/NDF:170054.6/23

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: 57.597+/-0.007 χ^2/NDF: 299312.5/45

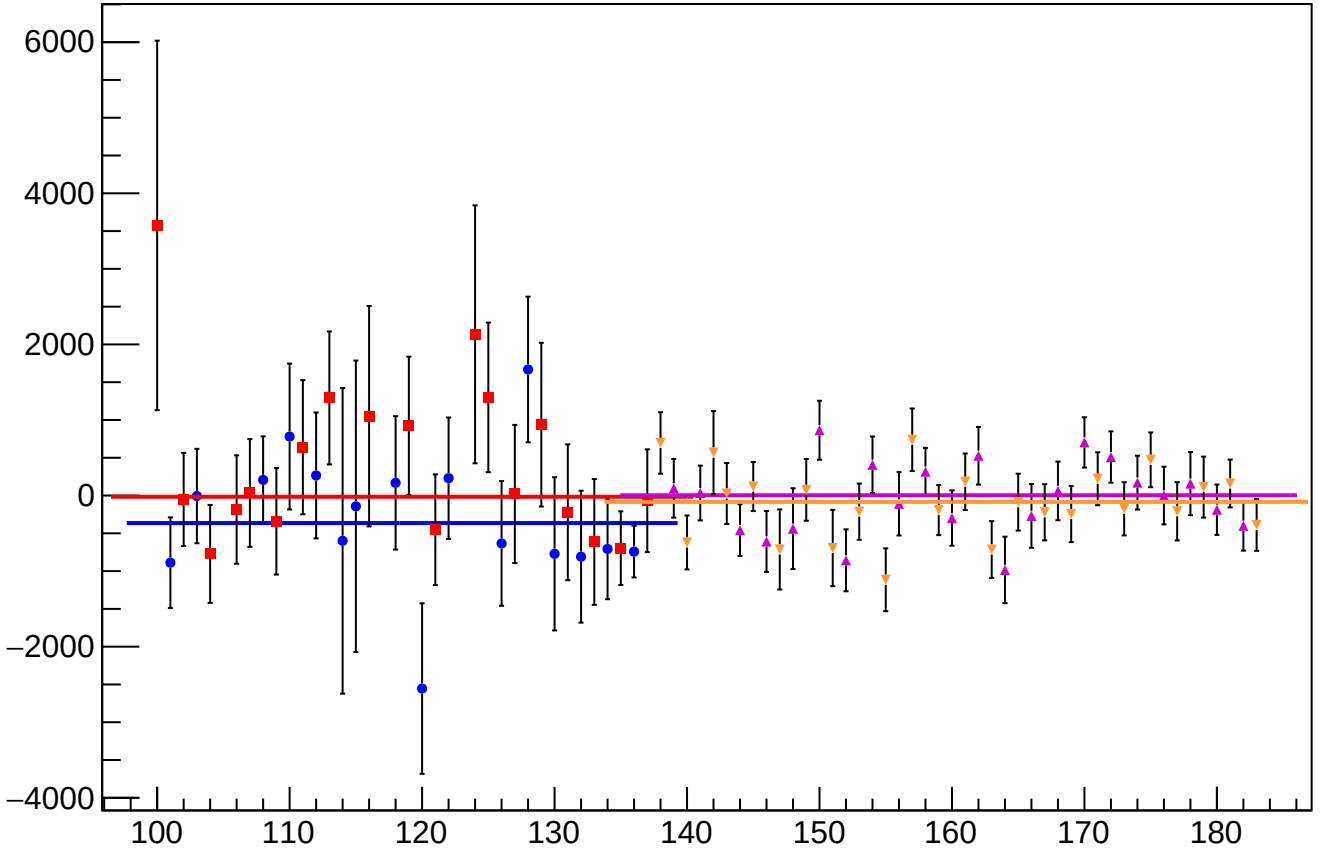
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.025+/-0.008 χ^2/NDF:522207.6/37

Out: 57.869+/-0.008 χ^2/NDF:586495.1/42

All: 57.945+/-0.006 χ^2/NDF: 1108887.2/80

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: -84.035+/-77.802 χ^2/NDF:29.7/23

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: -41.446+/-55.787 χ^2/NDF: 63.6/45

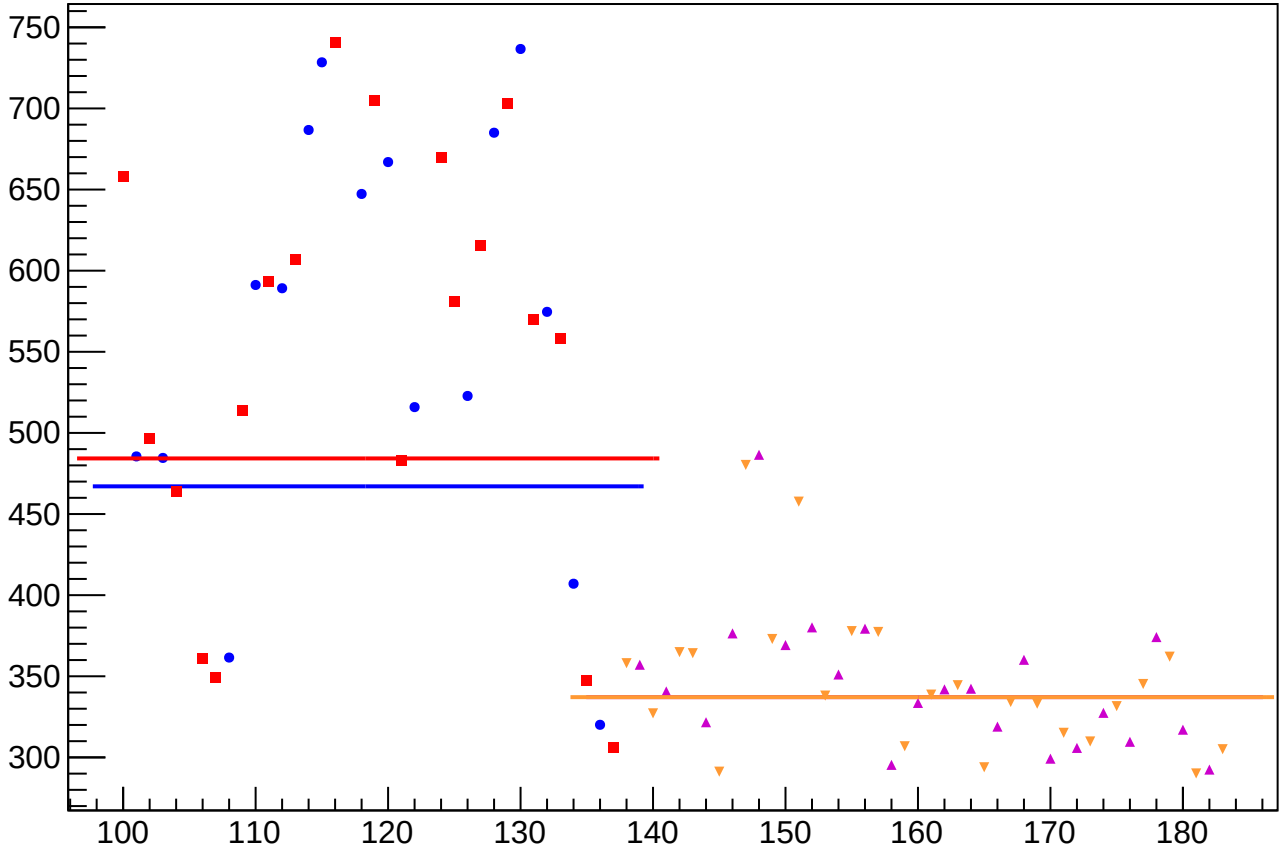
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -56.730+/-73.172 χ^2/NDF:51.9/37

Out: -73.696+/-71.638 χ^2/NDF:45.0/42

All: -65.392+/-51.190 χ^2/NDF: 96.9/80

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: 337.135+/-0.055 χ^2/NDF:508670.1/23

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 337.153+/-0.057 χ^2/NDF:404426.4/21

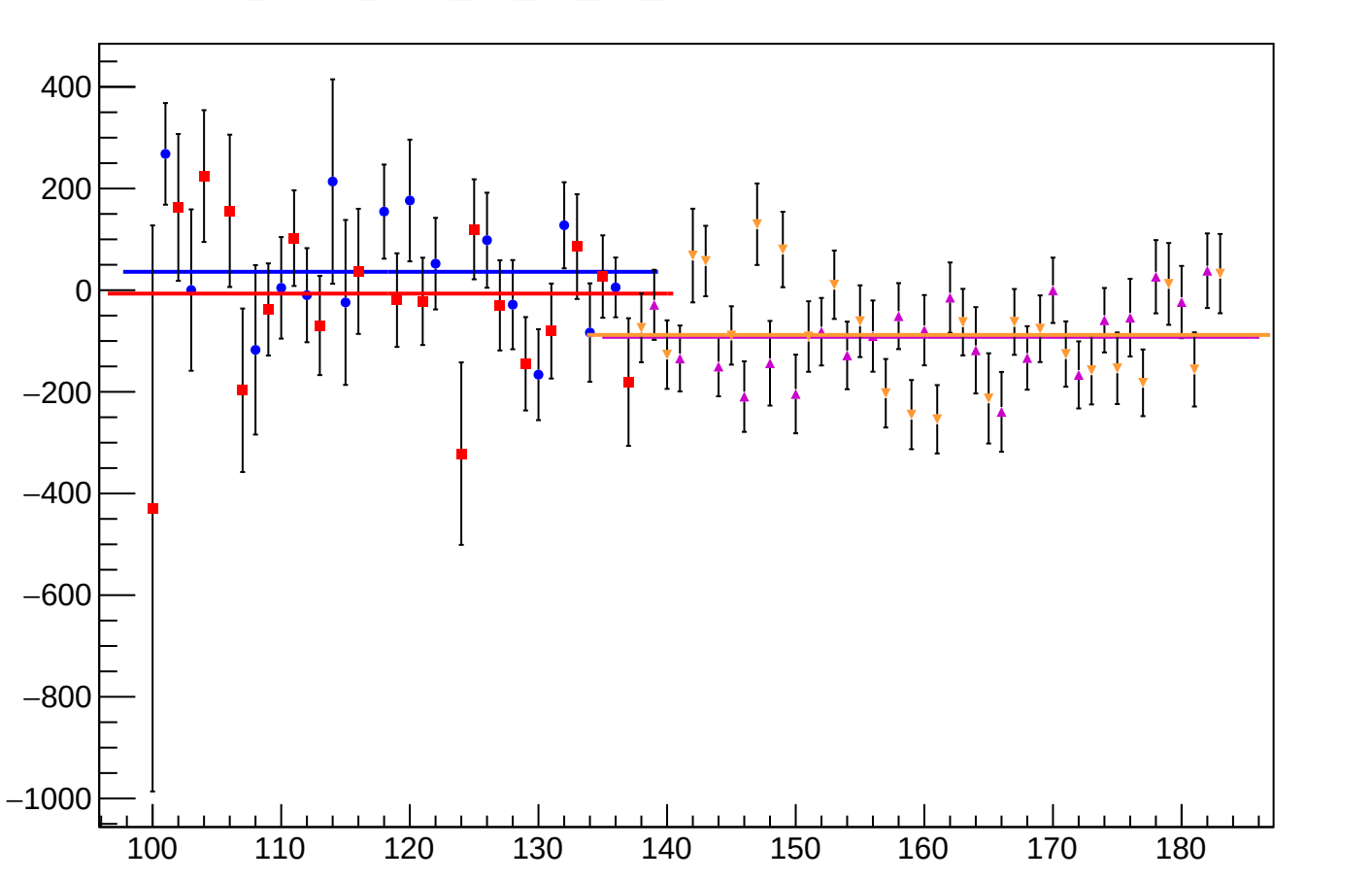
Left: 337.144+/-0.039 χ^2/NDF: 913096.6/45

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 358.479+/-0.052 χ^2/NDF:2299776.6/37

Out: 359.524+/-0.051 χ^2/NDF:2485924.4/42

All: 359.013+/-0.036 χ^2/NDF: 4785909.2/80



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -88.061+/-14.247 χ^2/NDF:48.2/23

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -91.790+/-14.750 χ^2/NDF:24.3/21

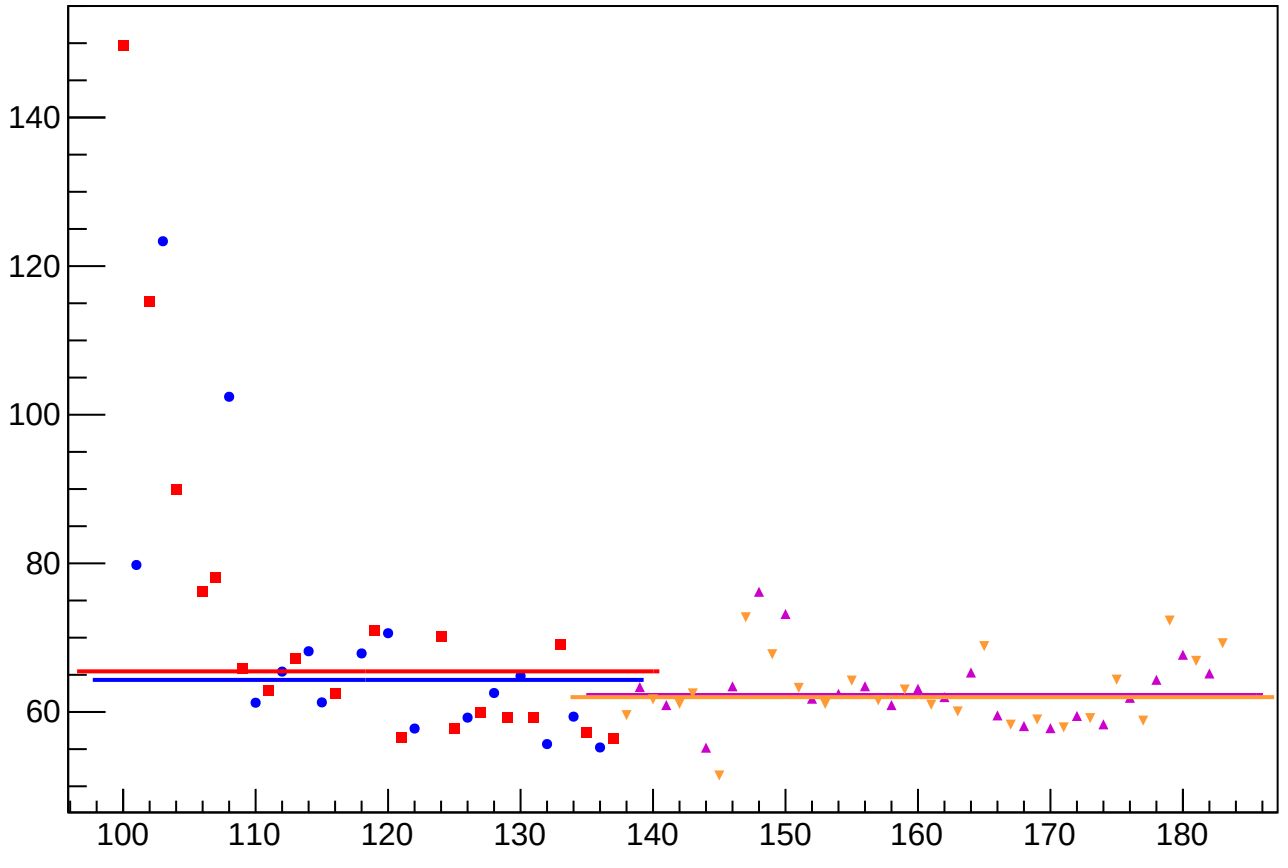
Left: -89.861+/-10.247 χ^2/NDF: 72.6/45

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -57.694+/-12.633 χ^2/NDF:64.0/37

Out: -67.590+/-12.324 χ^2/NDF:76.8/42

All: -62.764+/-8.822 χ^2/NDF: 141.1/80



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.996+/-0.010 χ^2/NDF:224183.1/23

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.285+/-0.010 χ^2/NDF:179935.8/21

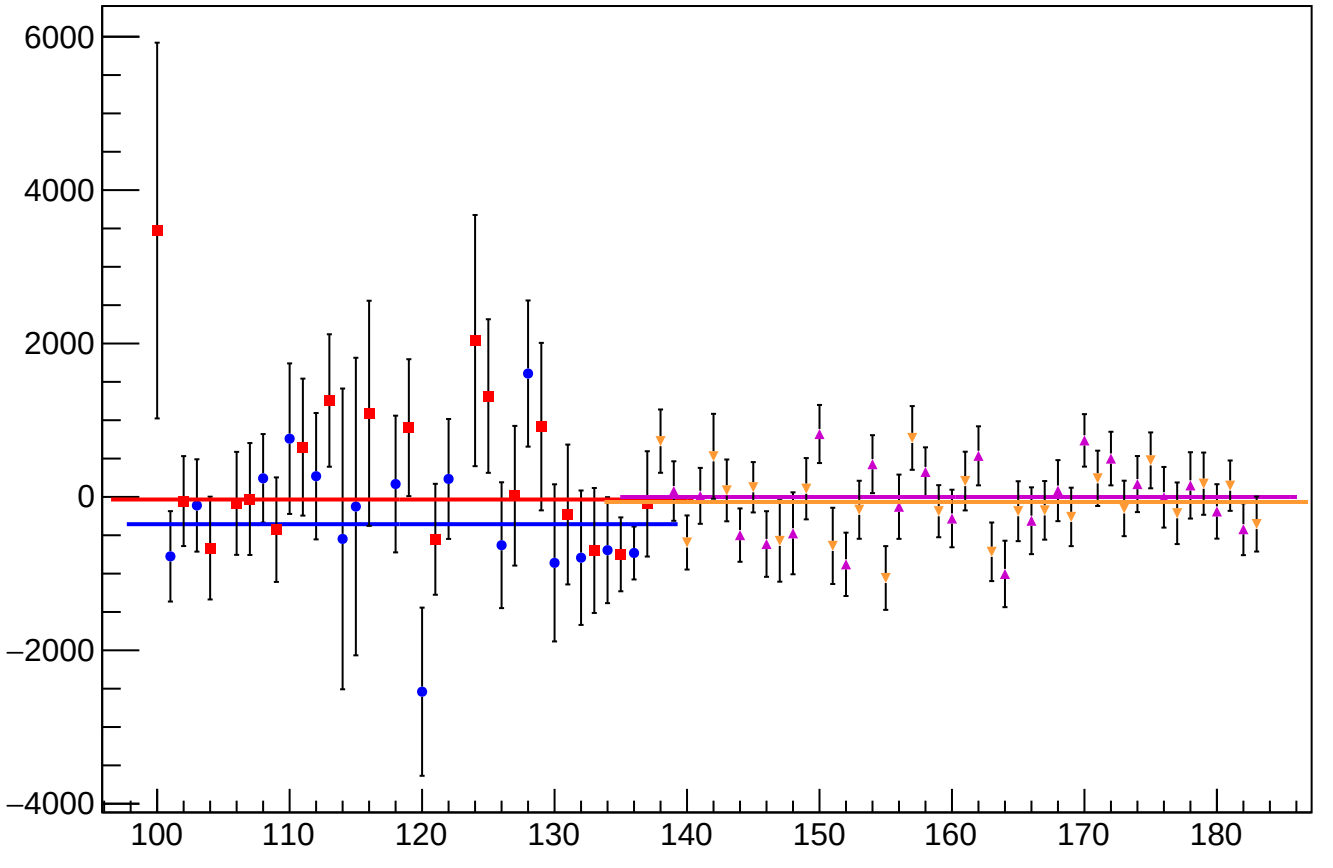
Left: 62.135+/-0.007 χ^2/NDF: 404515.1/45

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.826+/-0.009 χ^2/NDF:722113.3/37

Out: 62.869+/-0.009 χ^2/NDF:736409.4/42

All: 62.848+/-0.006 χ^2/NDF: 1458534.8/80



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -66.044+/-79.081 χ^2/NDF:28.3/23

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: -34.602+/-56.802 χ^2/NDF: 62.5/45

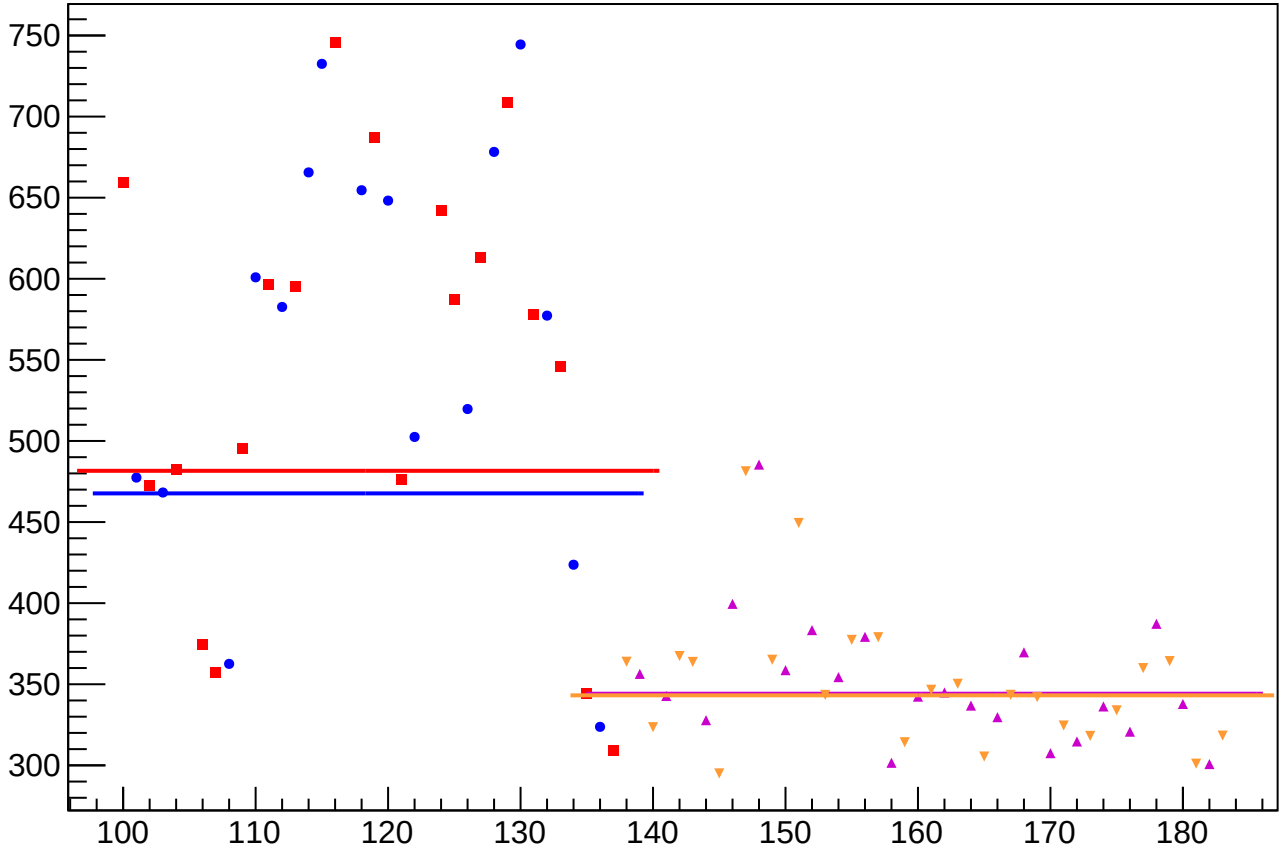
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -61.378+/-74.373 χ^2/NDF:51.8/37

Out: -60.900+/-72.502 χ^2/NDF:43.7/42

All: -61.133+/-51.916 χ^2/NDF: 95.6/80

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: 343.164+/-0.056 χ^2/NDF:426058.7/23

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 344.171+/-0.058 χ^2/NDF:360967.8/21

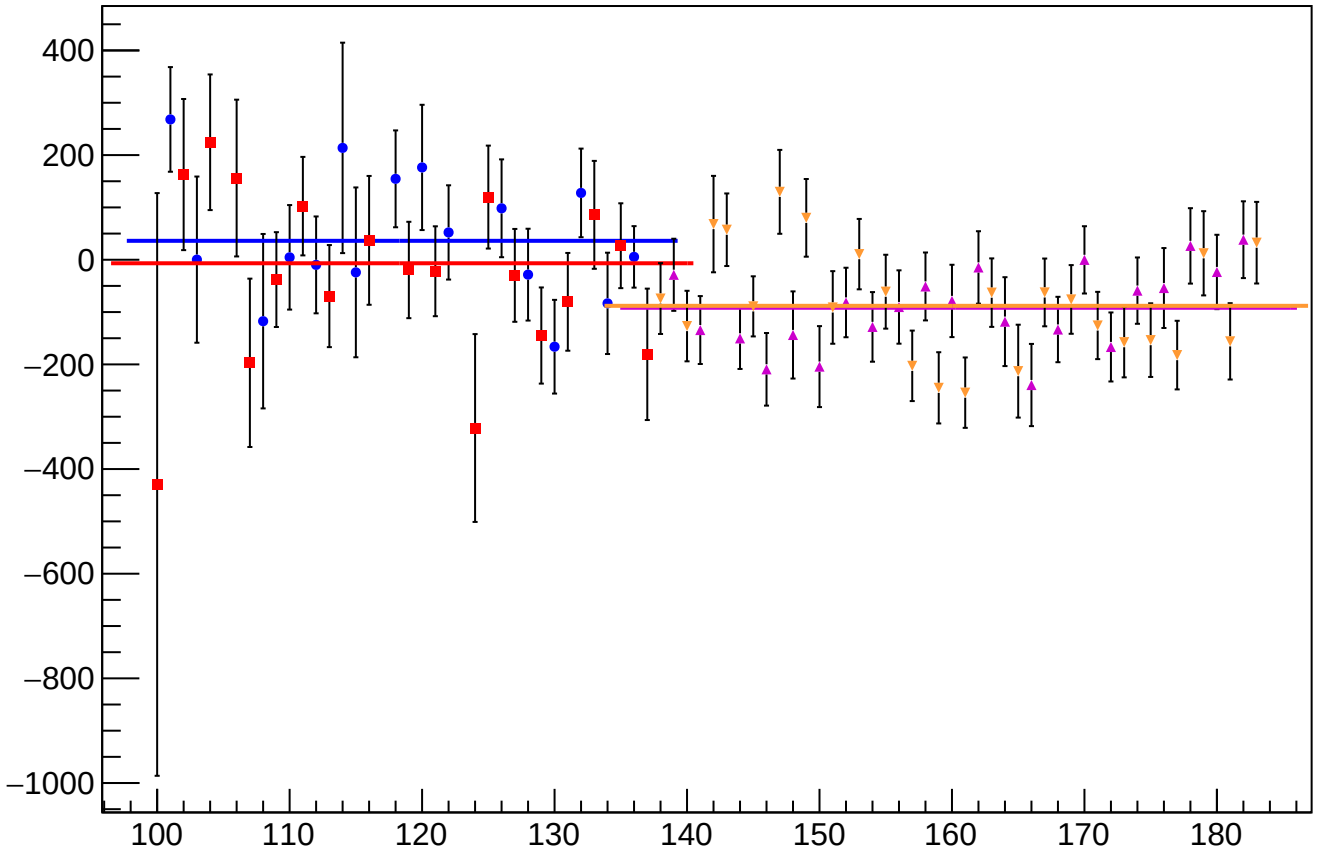
Left: 343.652+/-0.040 χ^2/NDF: 787183.7/45

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 365.178+/-0.053 χ^2/NDF:2125415.3/37

Out: 365.239+/-0.051 χ^2/NDF:2257663.7/42

All: 365.209+/-0.037 χ^2/NDF: 4383079.7/80



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -88.060+/-14.247 χ^2/NDF:48.2/23

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -91.790+/-14.750 χ^2/NDF:24.3/21

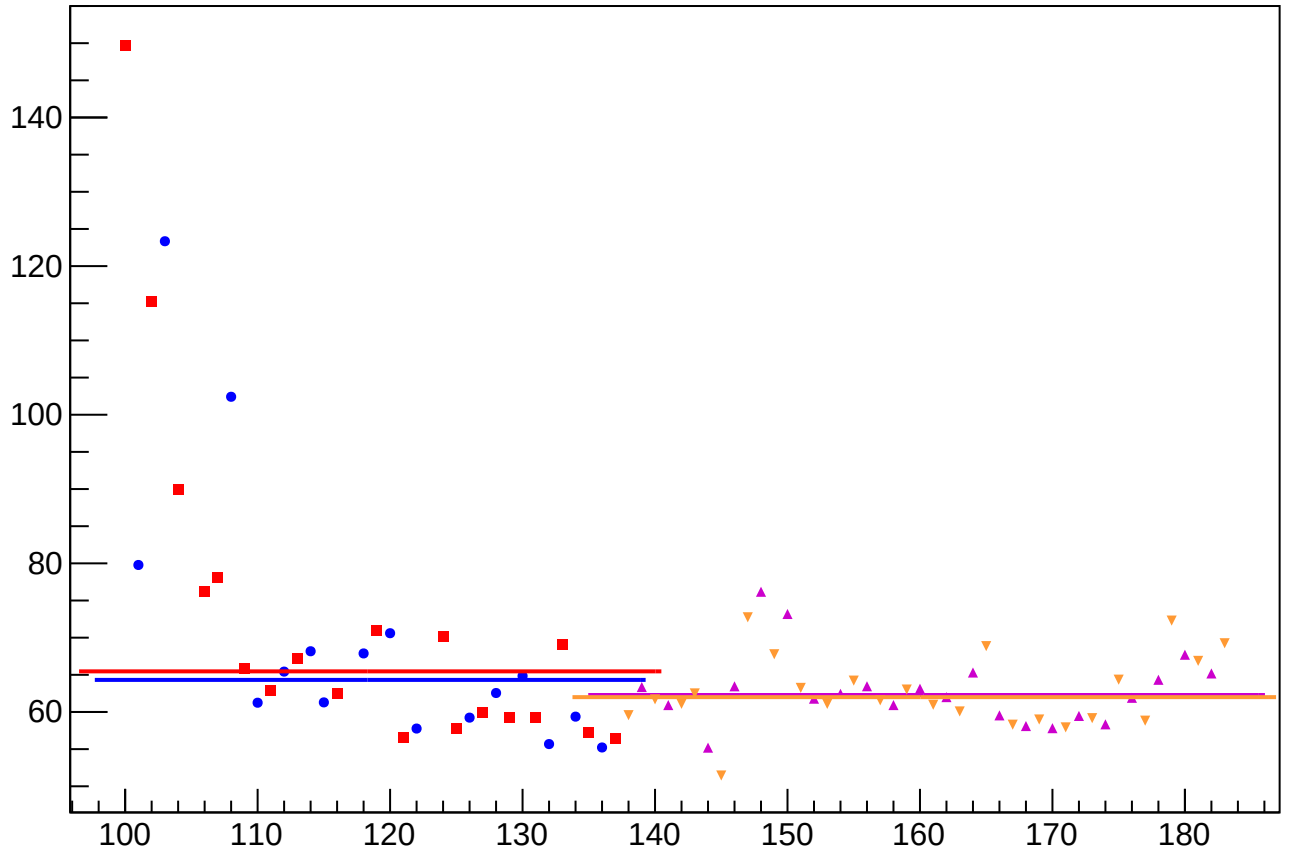
Left: -89.861+/-10.247 χ^2/NDF: 72.6/45

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -57.693+/-12.633 χ^2/NDF:64.0/37

Out: -67.590+/-12.324 χ^2/NDF:76.8/42

All: -62.764+/-8.822 χ^2/NDF: 141.1/80



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.996+/-0.010 χ^2/NDF:224187.3/23

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: 62.135+/-0.007 χ^2/NDF: 404522.7/45

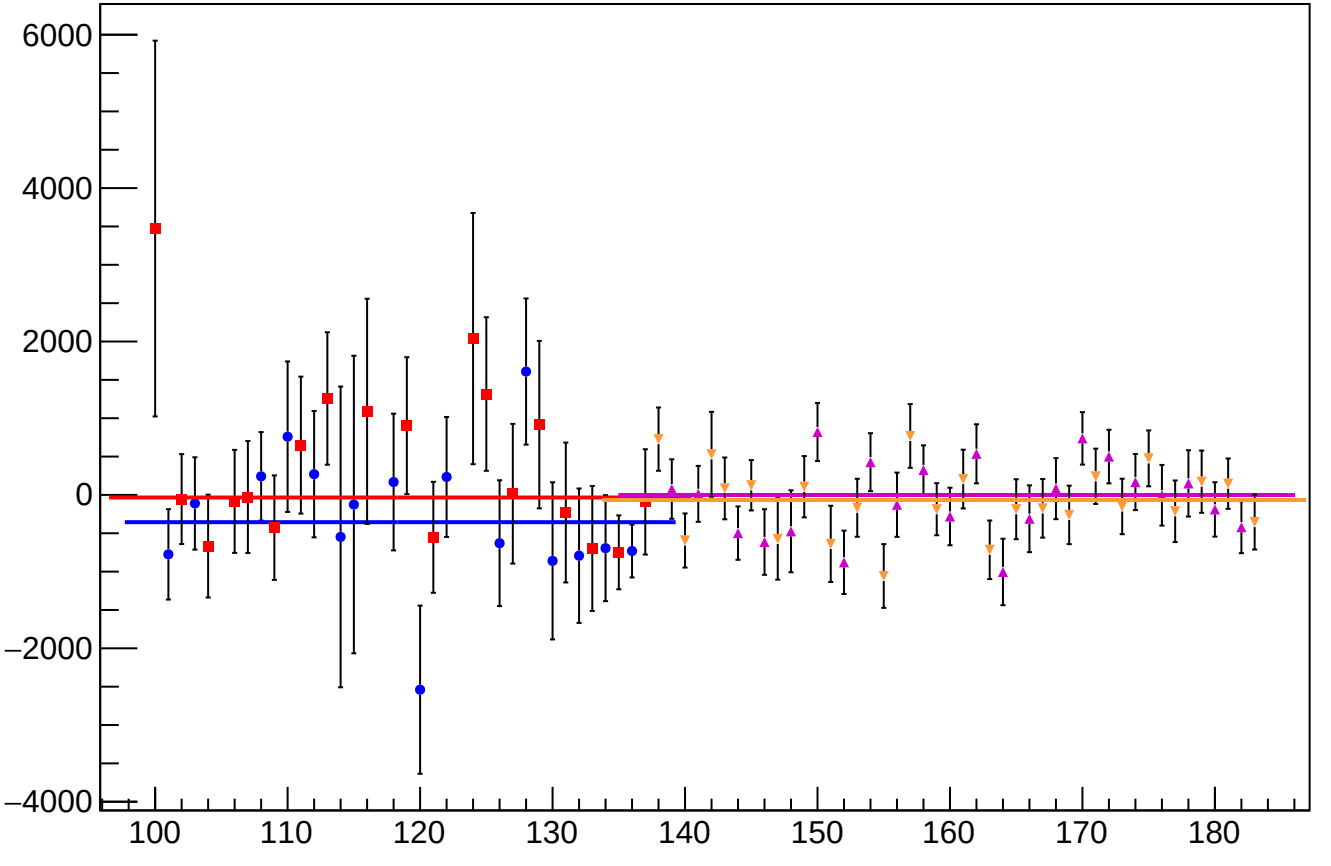
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.826+/-0.009 χ^2/NDF:722123.6/37

Out: 62.869+/-0.009 χ^2/NDF:736418.0/42

All: 62.848+/-0.006 χ^2/NDF: 1458553.7/80

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: -66.044+/-79.081 χ^2/NDF:28.3/23

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: -34.602+/-56.802 χ^2/NDF: 62.5/45

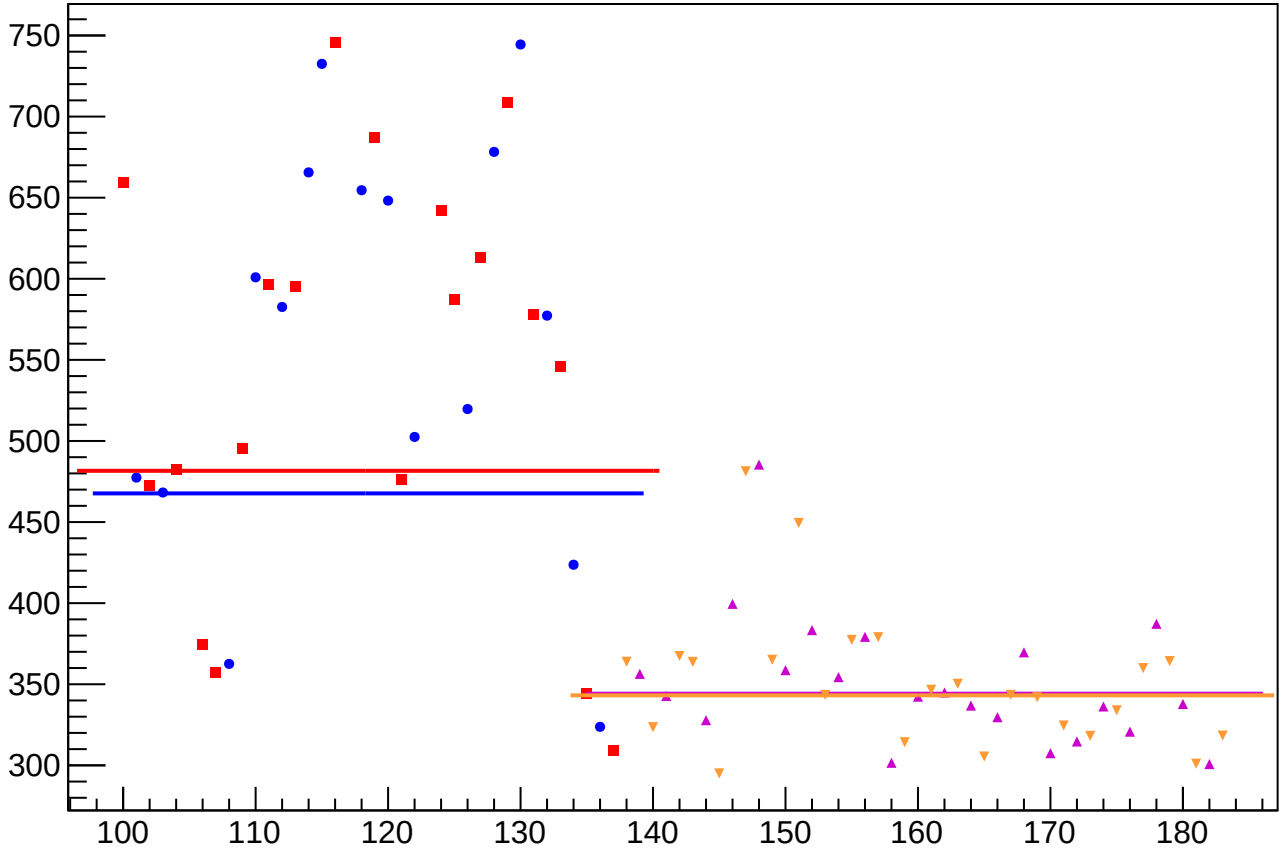
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -61.378+/-74.373 χ^2/NDF:51.8/37

Out: -60.900+/-72.502 χ^2/NDF:43.7/42

All: -61.133+/-51.916 χ^2/NDF: 95.6/80

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: 343.164+/-0.056 χ^2/NDF:426060.8/23

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: 343.652+/-0.040 χ^2/NDF: 787187.5/45

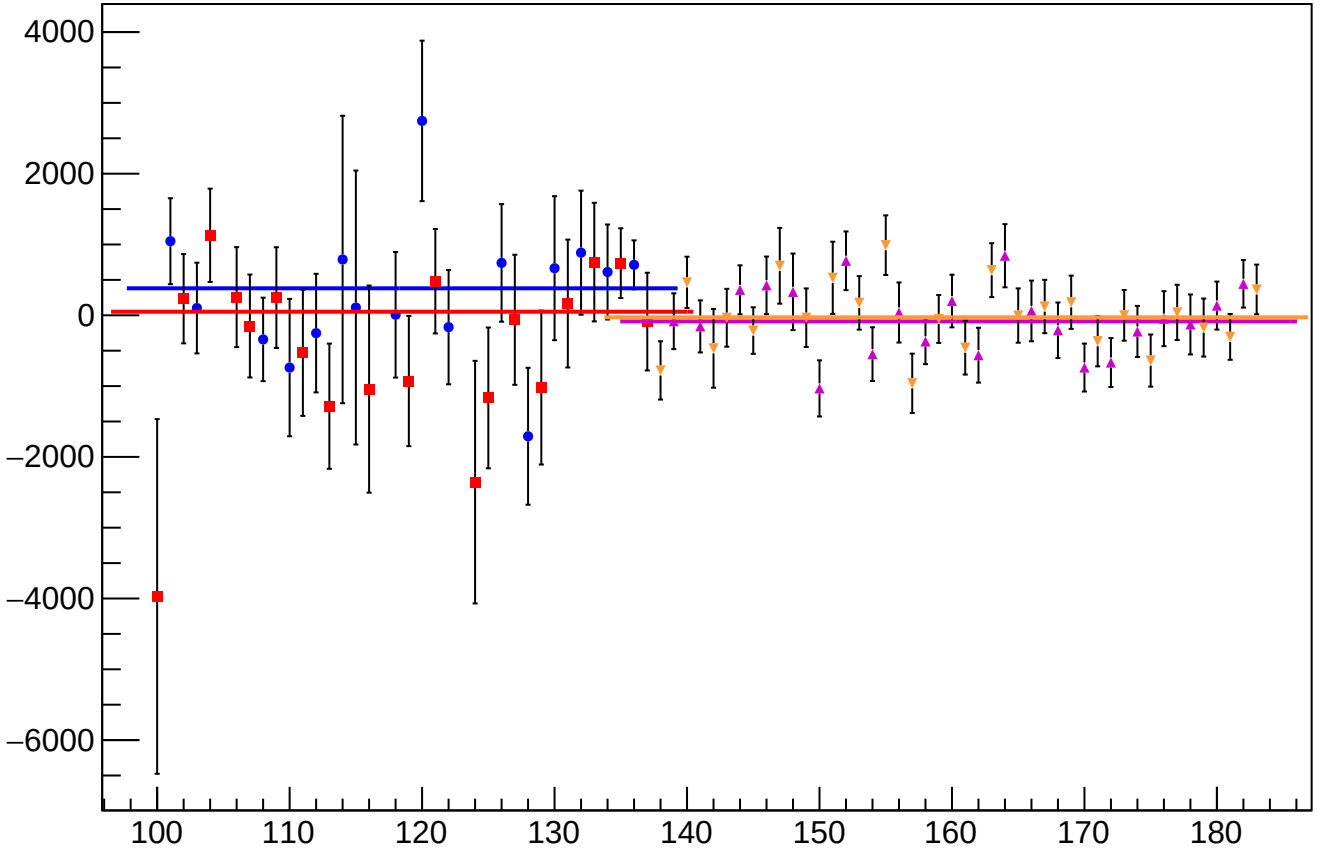
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 365.178+/-0.053 χ^2/NDF:2125411.2/37

Out: 365.239+/-0.051 χ^2/NDF:2257656.9/42

All: 365.209+/-0.037 χ^2/NDF: 4383068.7/80

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -28.550+/-78.982 χ^2/NDF:30.9/23

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: -56.665+/-56.634 χ^2/NDF: 63.6/45

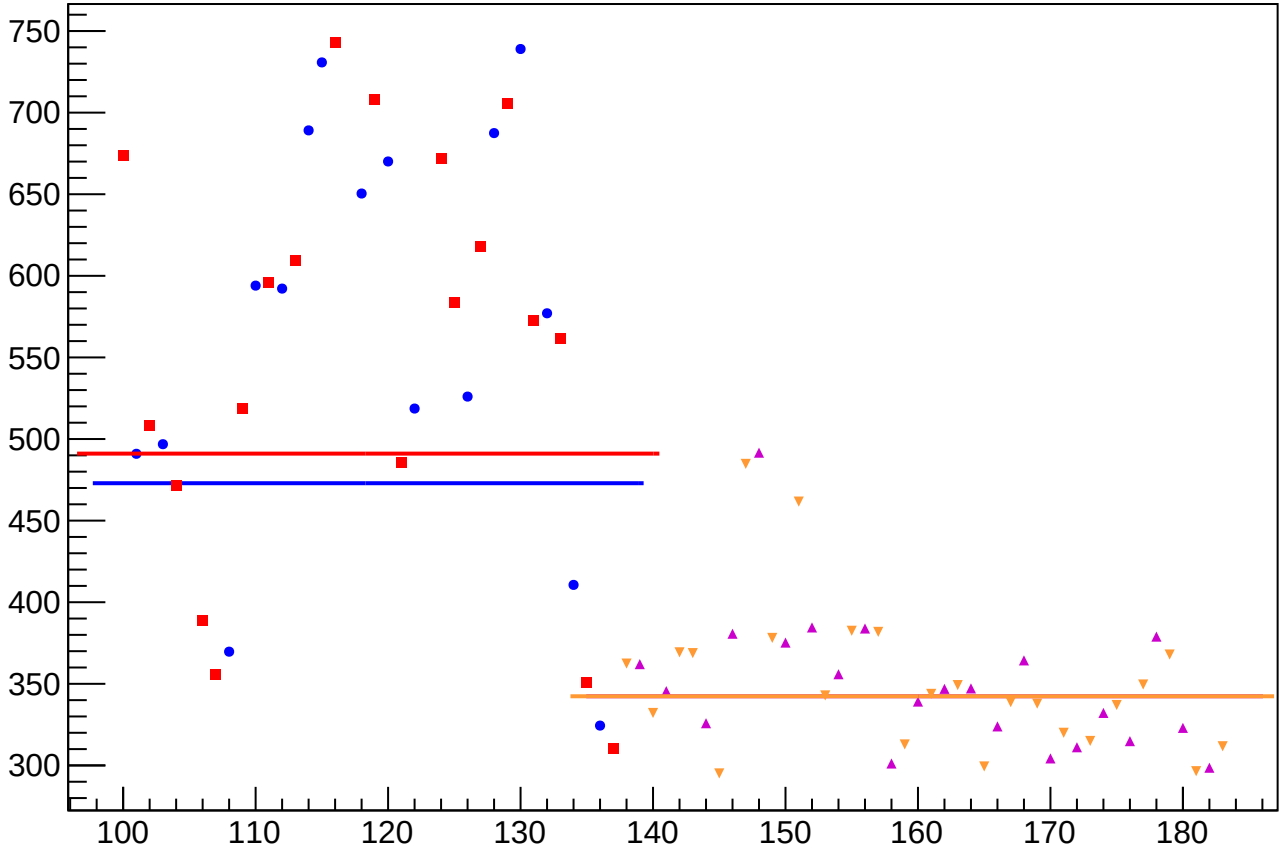
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: -9.193+/-74.237 χ^2/NDF:54.1/37

Out: -16.408+/-72.655 χ^2/NDF:48.5/42

All: -12.879+/-51.925 χ^2/NDF: 102.6/80

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 342.375+/-0.056 χ^2/NDF:488460.7/23

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 342.379+/-0.057 χ^2/NDF:388461.8/21

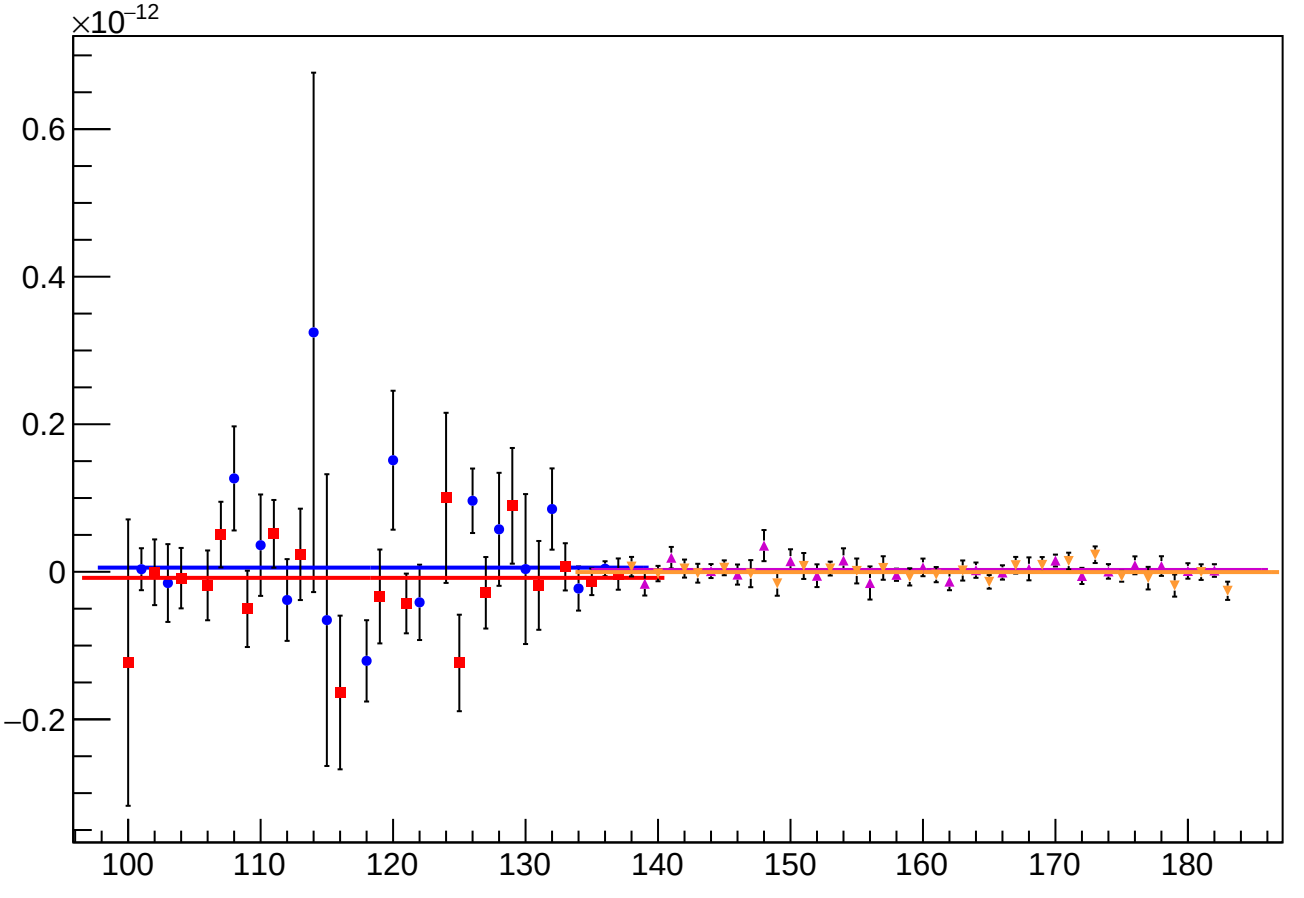
Left: 342.377+/-0.040 χ^2/NDF: 876922.5/45

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 363.943+/-0.052 χ^2/NDF:2241595.2/37

Out: 365.243+/-0.051 χ^2/NDF:2426095.6/42

All: 364.607+/-0.037 χ^2/NDF: 4668003.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/21

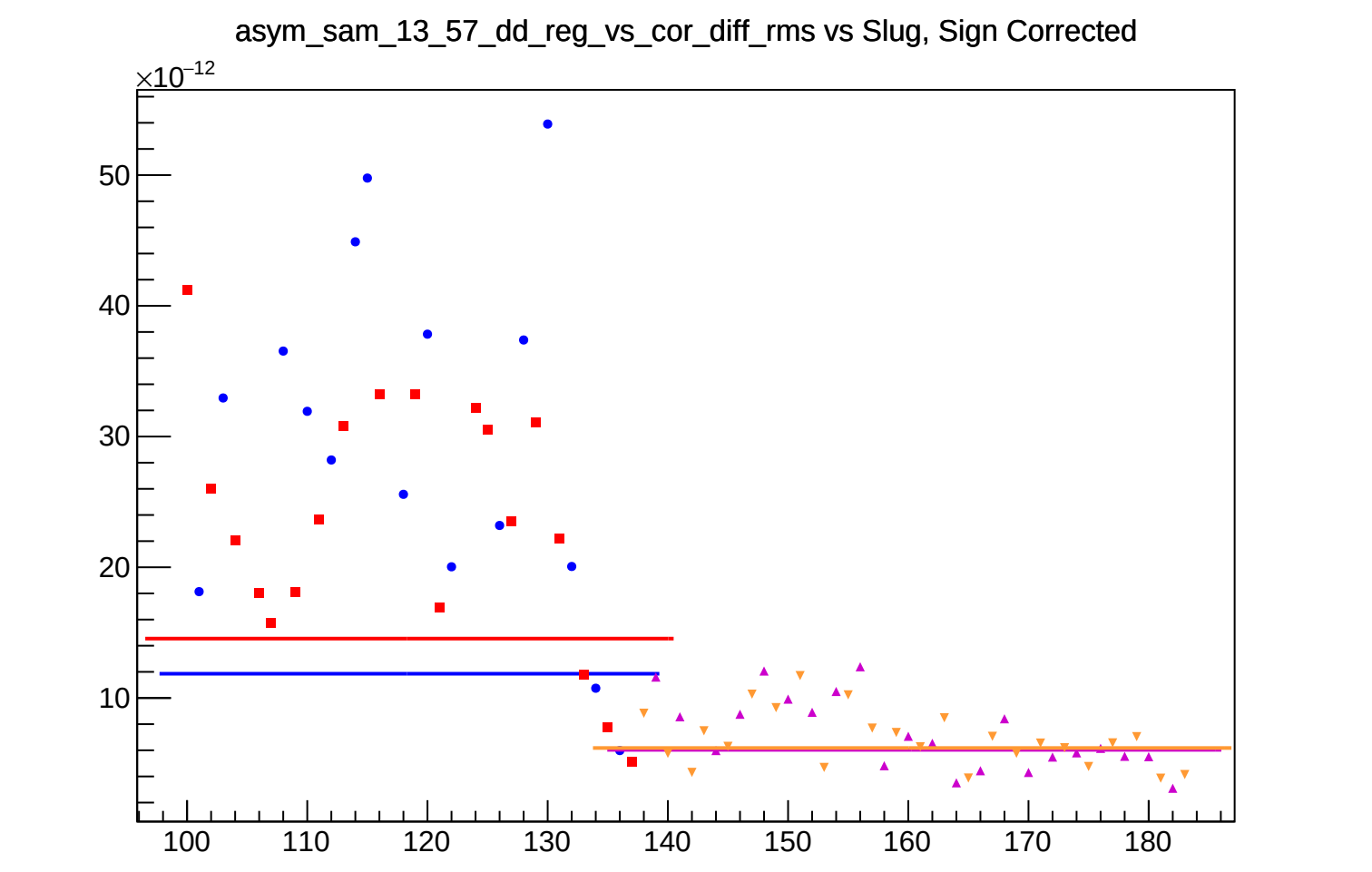
Left: 0.000+/-0.000 χ^2/NDF: 33.3/45

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:33.7/42

All: 0.000+/-0.000 χ^2/NDF: 69.7/80



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1154629.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1660273.6/21

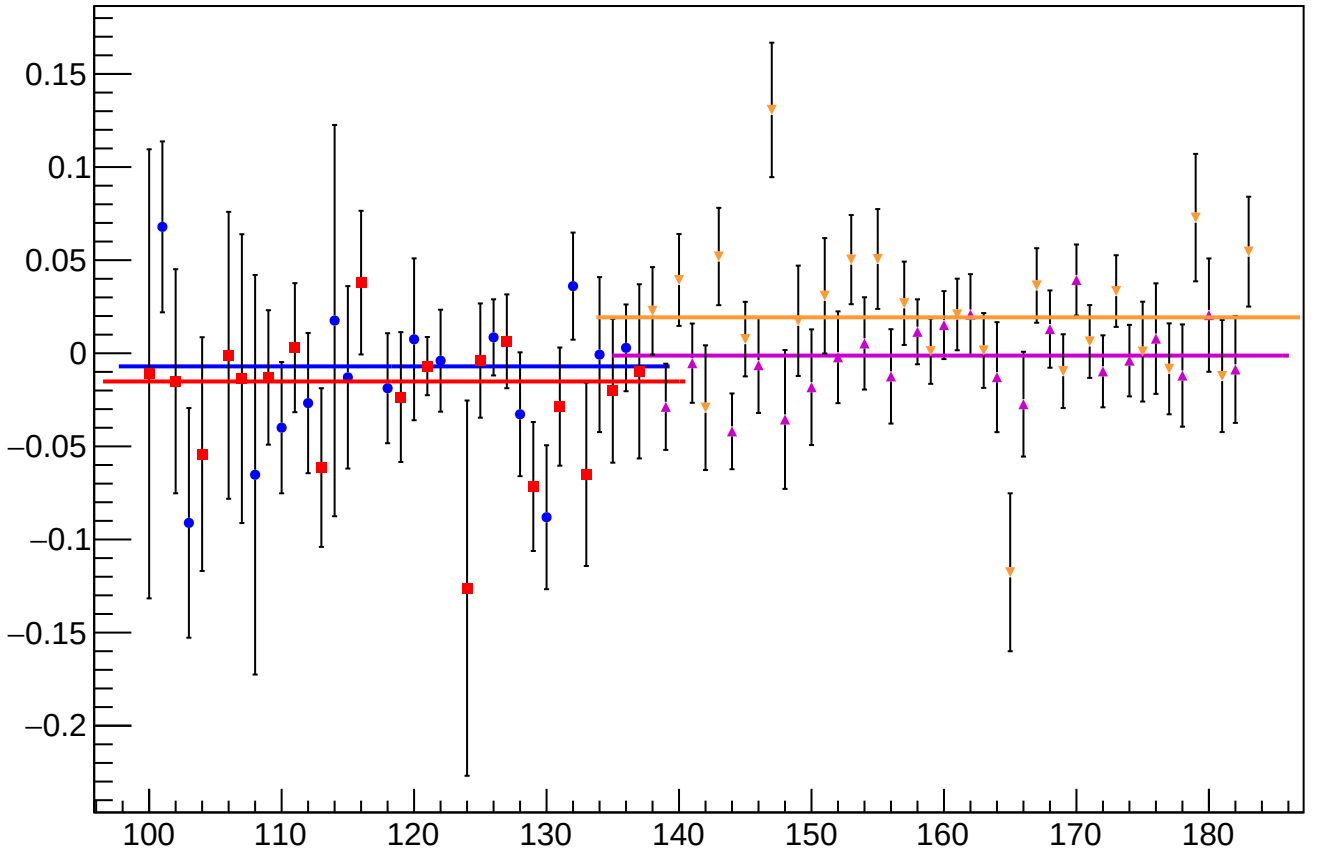
Left: 0.000+/-0.000 χ^2/NDF: 2818319.1/45

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:4445970.4/42

All: 0.000+/-0.000 χ^2/NDF: 9903780.9/80



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:40.4/23

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:16.3/21

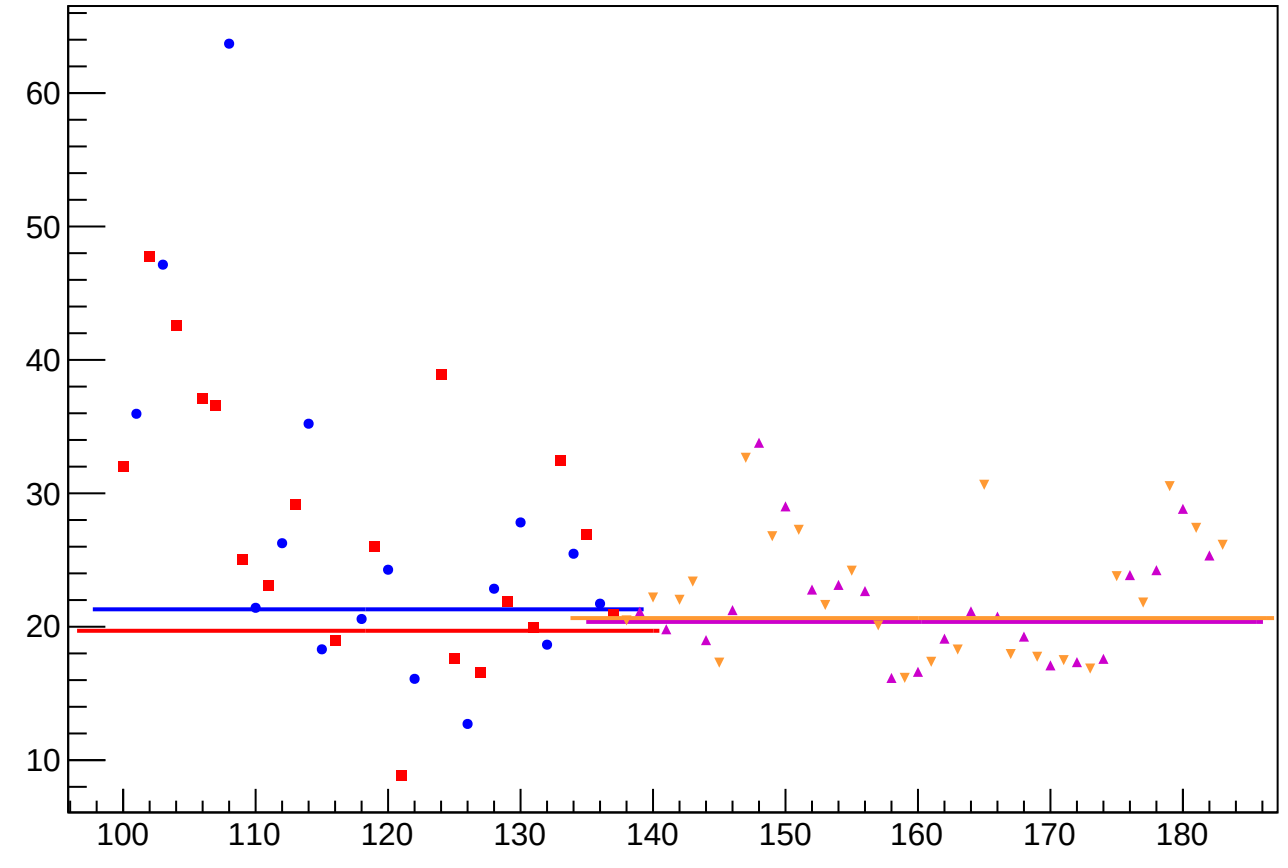
Left: 0.009+/-0.003 χ^2/NDF: 65.4/45

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:31.0/37

Out: 0.010+/-0.004 χ^2/NDF:63.4/42

All: 0.004+/-0.003 χ^2/NDF: 99.1/80



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.648+/-0.003 χ^2/NDF:1432120.9/23

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.362+/-0.004 χ^2/NDF:1136967.0/21

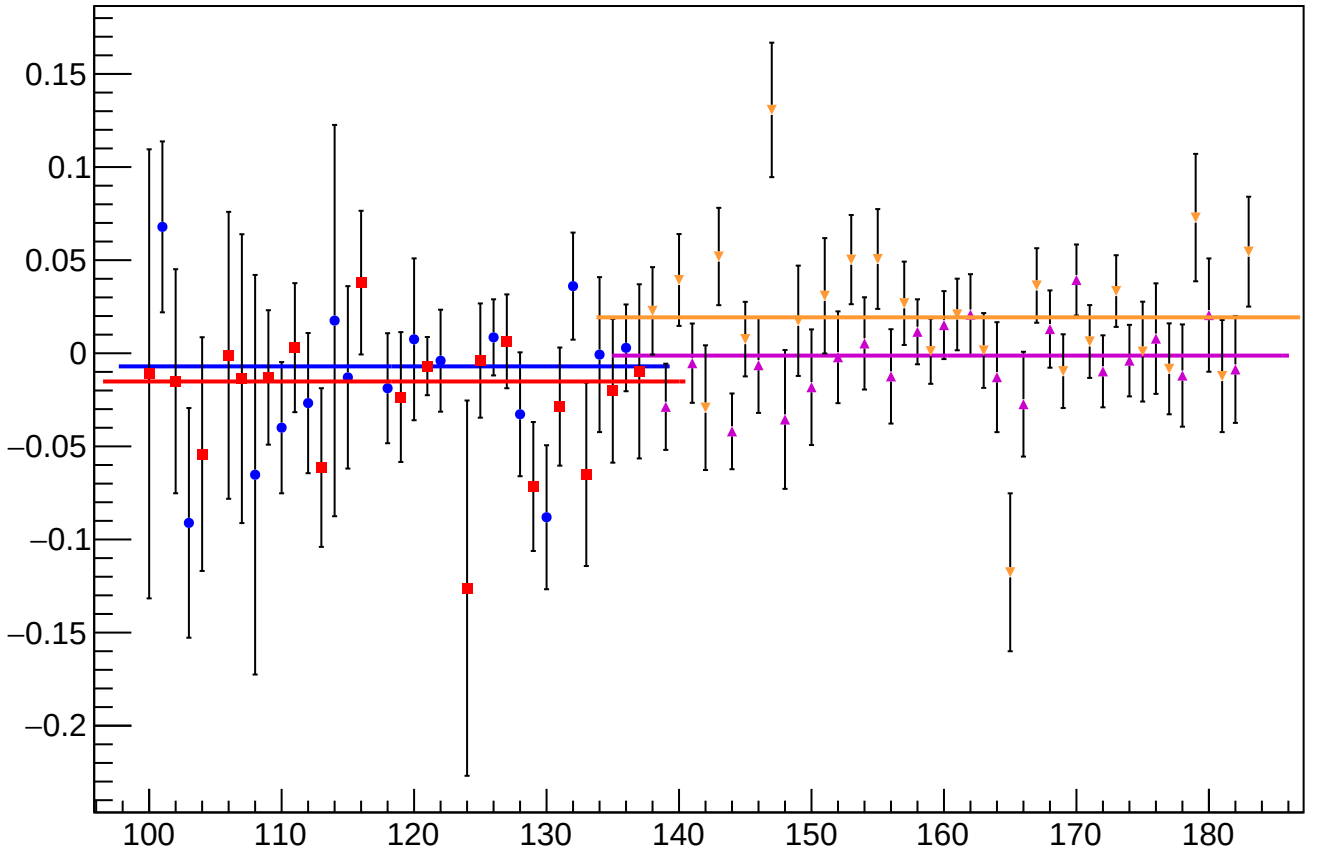
Left: 20.507+/-0.002 χ^2/NDF: 2572451.9/45

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.597+/-0.003 χ^2/NDF:2634333.7/37

Out: 20.400+/-0.003 χ^2/NDF:3890866.9/42

All: 20.496+/-0.002 χ^2/NDF: 6527346.4/80



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:40.4/23

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+/-0.003 χ^2/NDF: 65.4/45

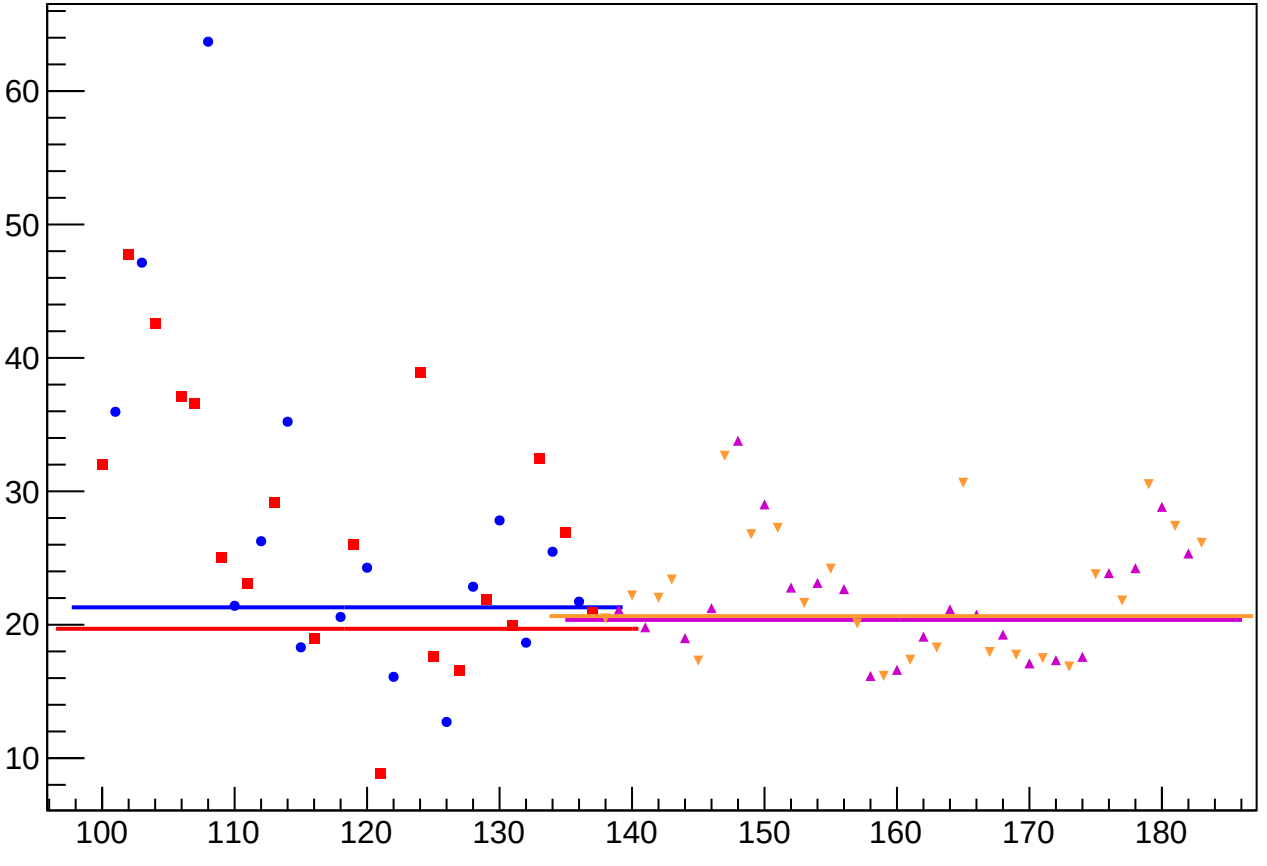
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:31.0/37

Out: 0.010+/-0.004 χ^2/NDF:63.4/42

All: 0.004+/-0.003 χ^2/NDF: 99.1/80

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: 20.648+/-0.003 χ^2/NDF:1432120.9/23

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.362+/-0.004 χ^2/NDF:1136967.0/21

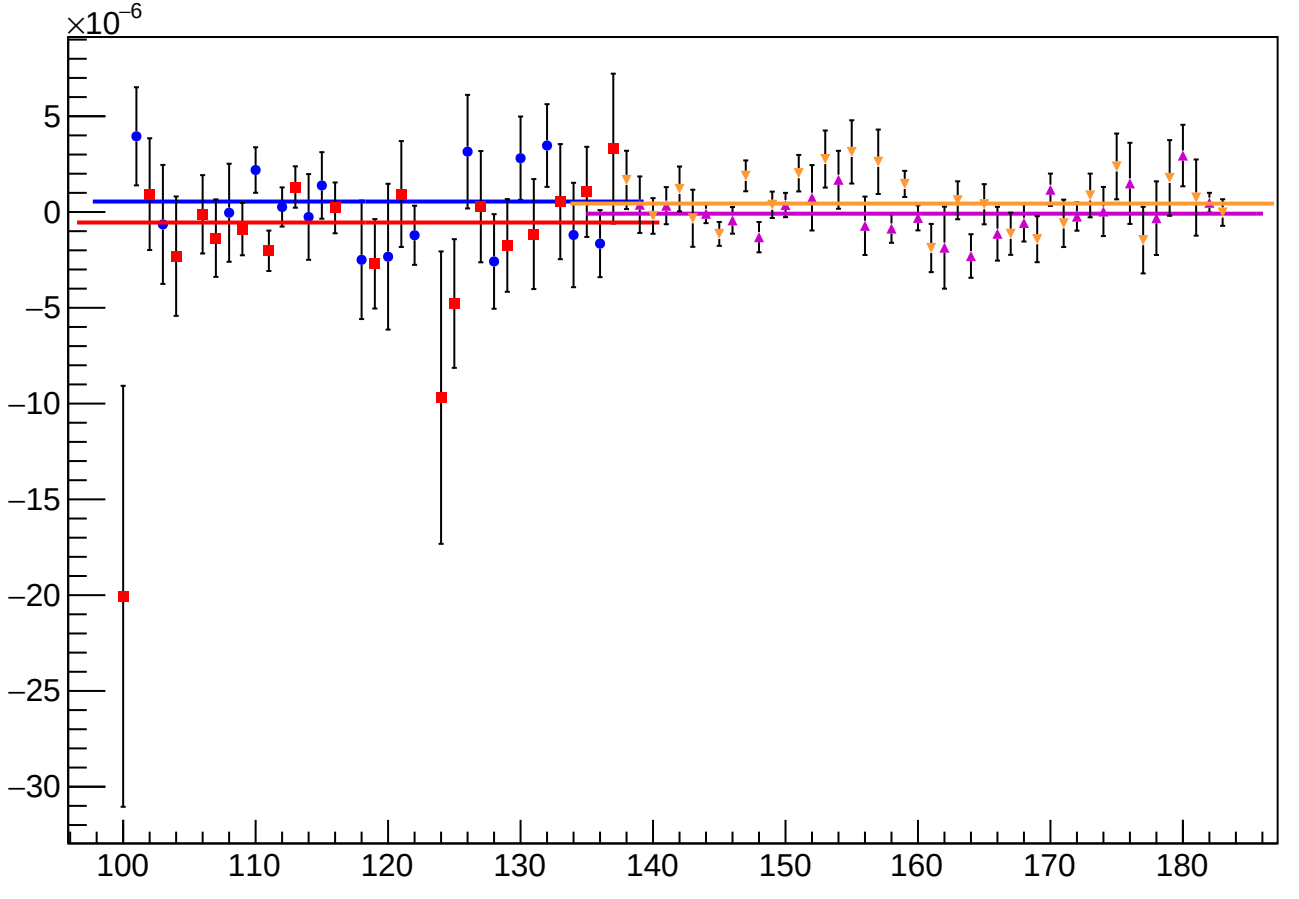
Left: 20.507+/-0.002 χ^2/NDF: 2572451.9/45

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.597+/-0.003 χ^2/NDF:2634333.7/37

Out: 20.400+/-0.003 χ^2/NDF:3890866.9/42

All: 20.496+/-0.002 χ^2/NDF: 6527346.4/80



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/21

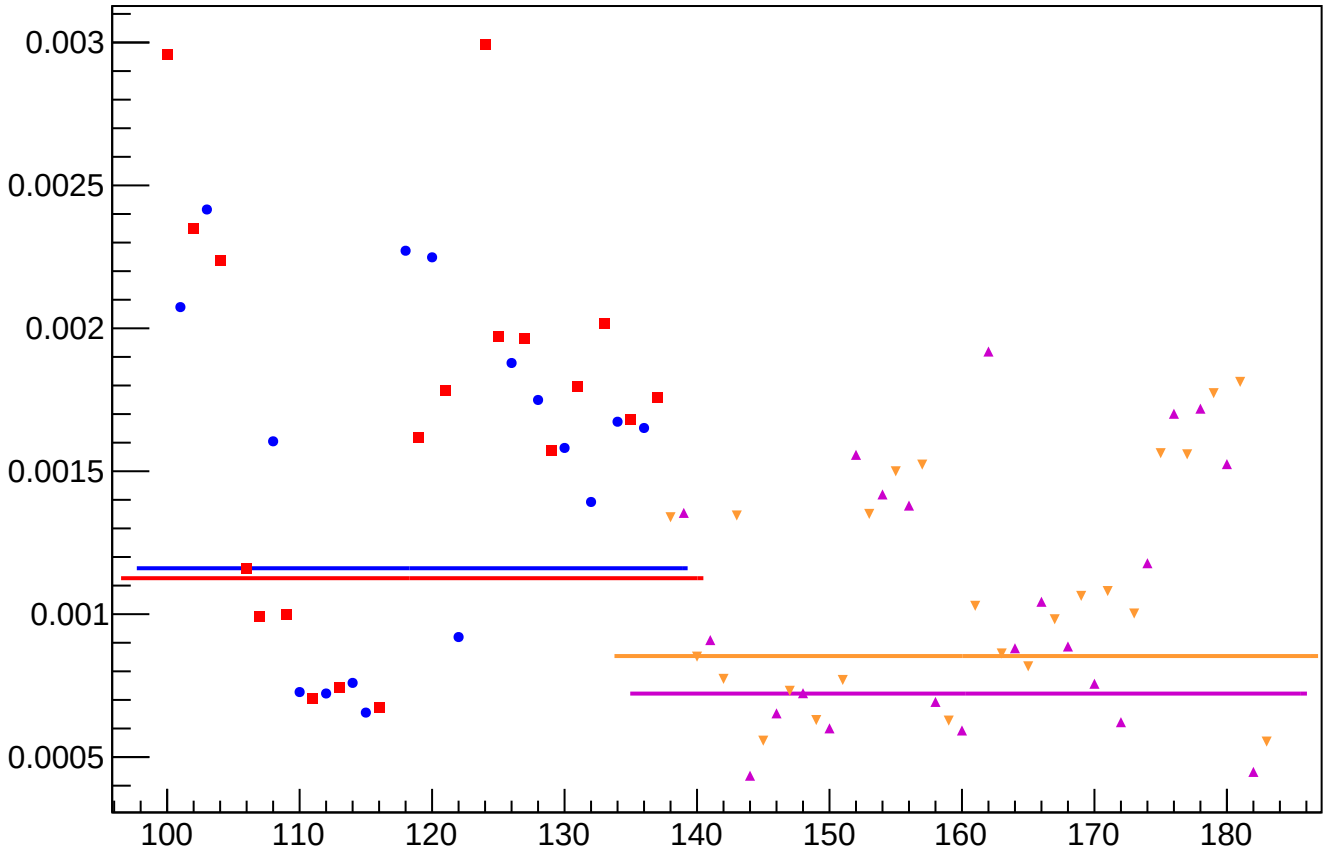
Left: 0.000+/-0.000 χ^2/NDF: 58.3/45

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:54.6/42

All: 0.000+/-0.000 χ^2/NDF: 91.0/80



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4393910.2/23

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:5730785.3/21

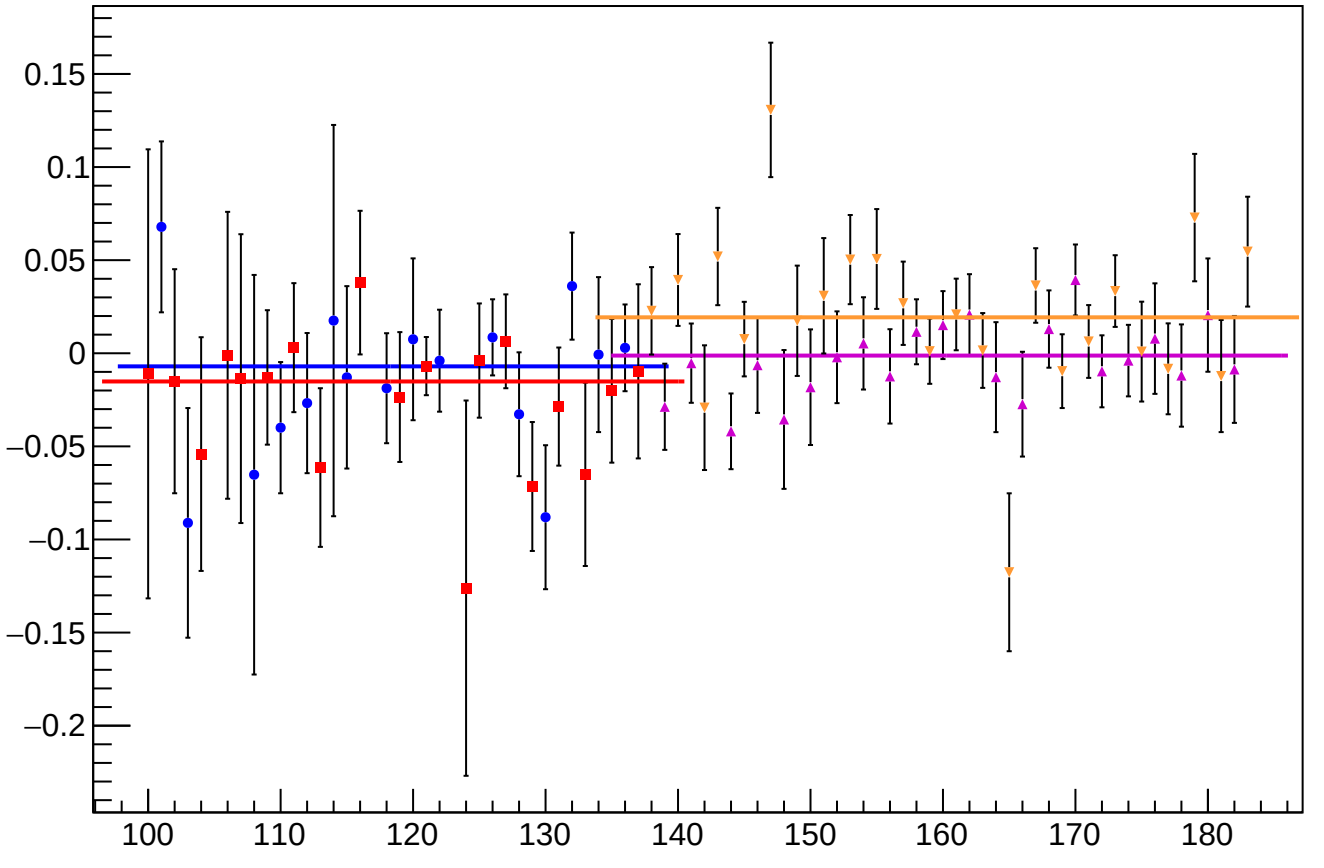
Left: 0.001+/-0.000 χ^2/NDF: 10553318.1/45

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:7598832.9/42

All: 0.001+/-0.000 χ^2/NDF: 17748172.2/80



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:40.4/23

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:16.3/21

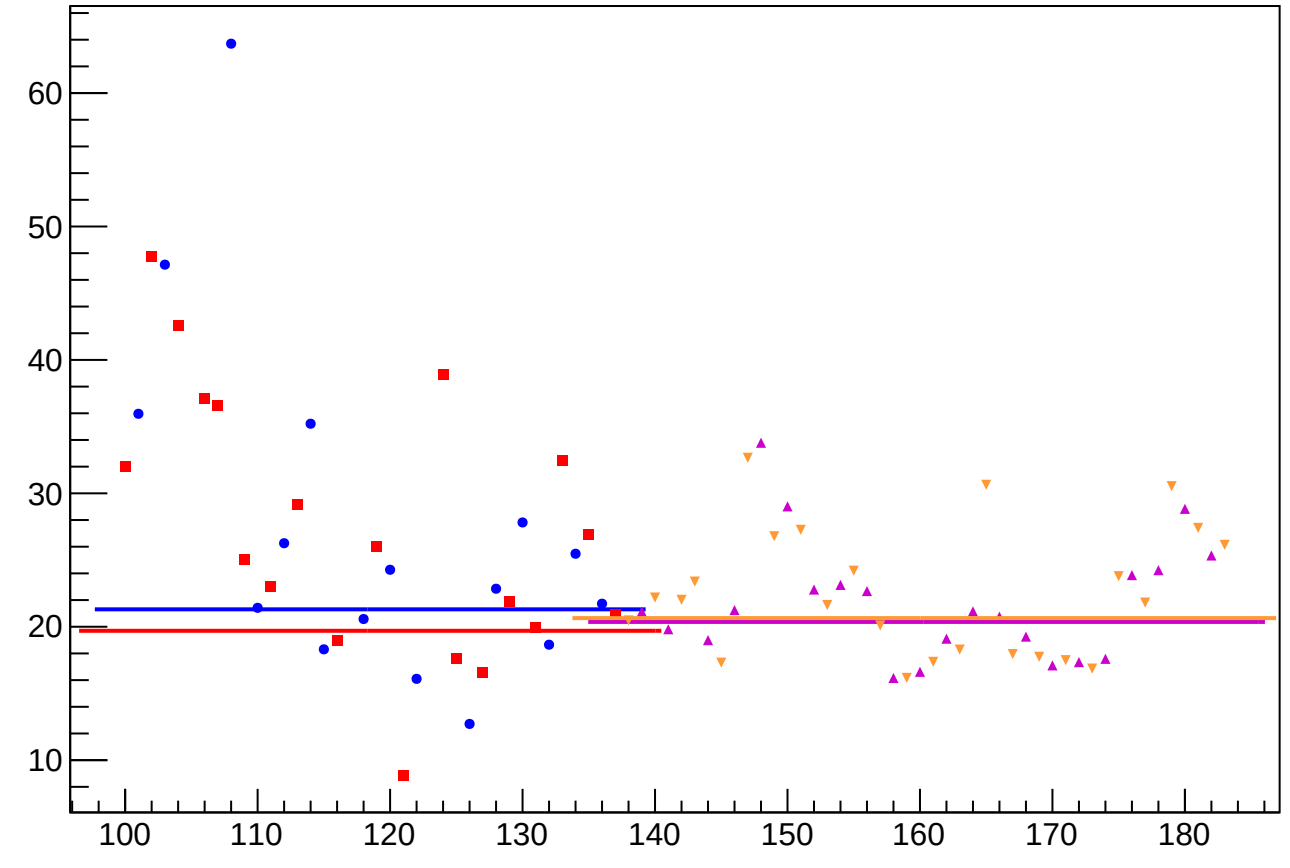
Left: 0.009+/-0.003 χ^2/NDF: 65.4/45

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:31.0/37

Out: 0.010+/-0.004 χ^2/NDF:63.4/42

All: 0.004+/-0.003 χ^2/NDF: 99.1/80



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.648+/-0.003 χ^2/NDF:1432222.7/23

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: 20.507+/-0.002 χ^2/NDF: 2572599.3/45

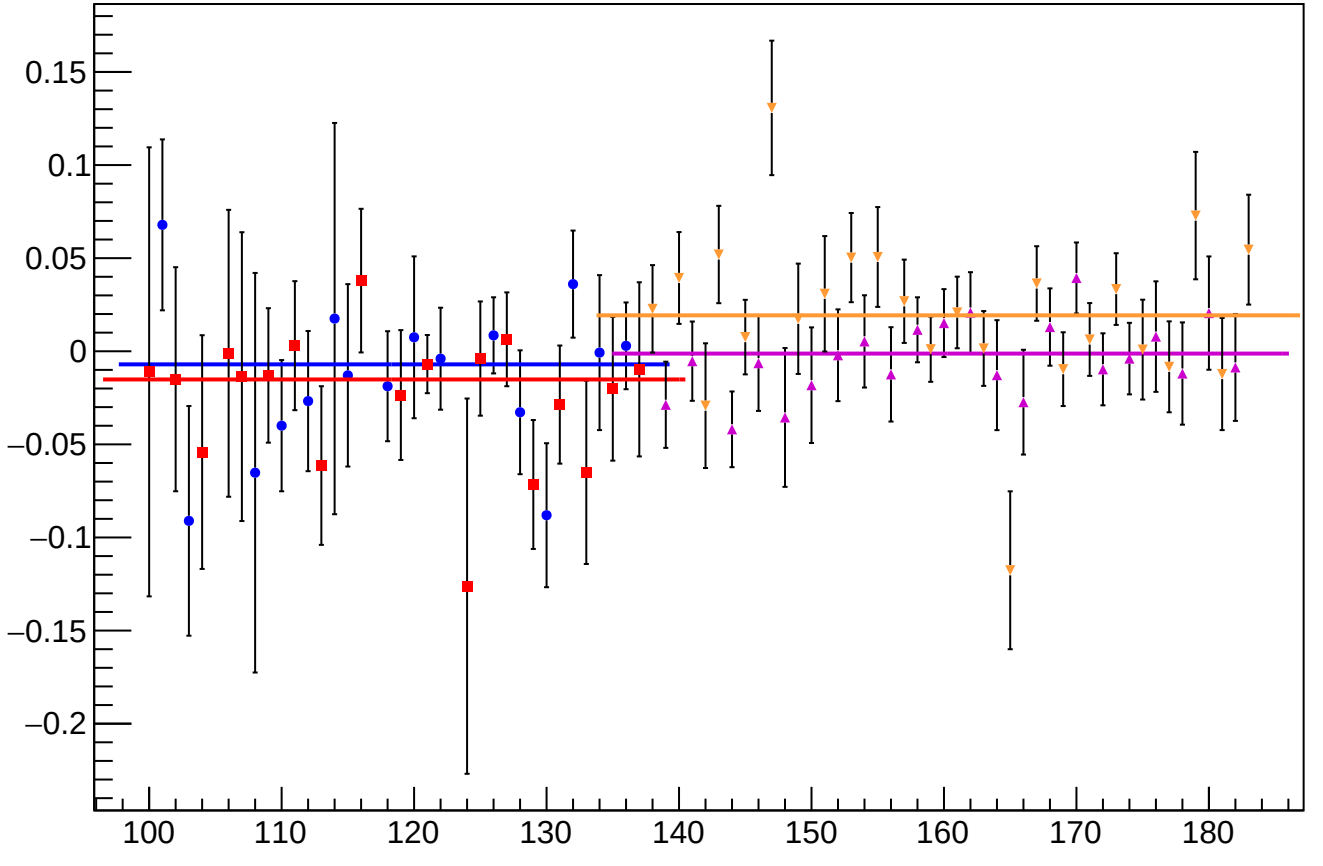
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.597+/-0.003 χ^2/NDF:2634224.3/37

Out: 20.400+/-0.003 χ^2/NDF:3890571.9/42

All: 20.496+/-0.002 χ^2/NDF: 6526941.1/80

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:40.4/23

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:16.3/21

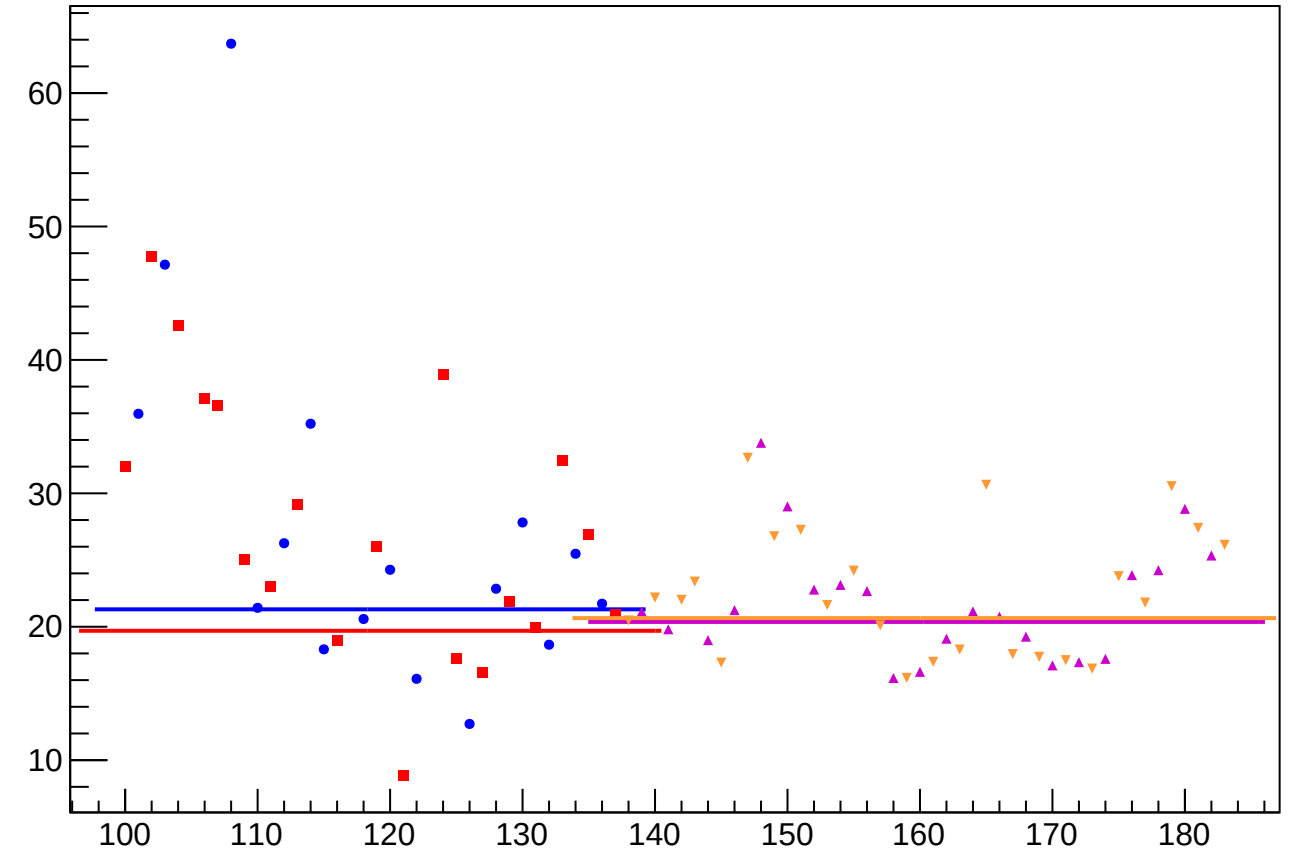
Left: 0.009+/-0.003 χ^2/NDF: 65.4/45

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:31.0/37

Out: 0.010+/-0.004 χ^2/NDF:63.4/42

All: 0.004+/-0.003 χ^2/NDF: 99.1/80



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.648+/-0.003 χ^2/NDF:1432222.7/23

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.362+/-0.004 χ^2/NDF:1137014.5/21

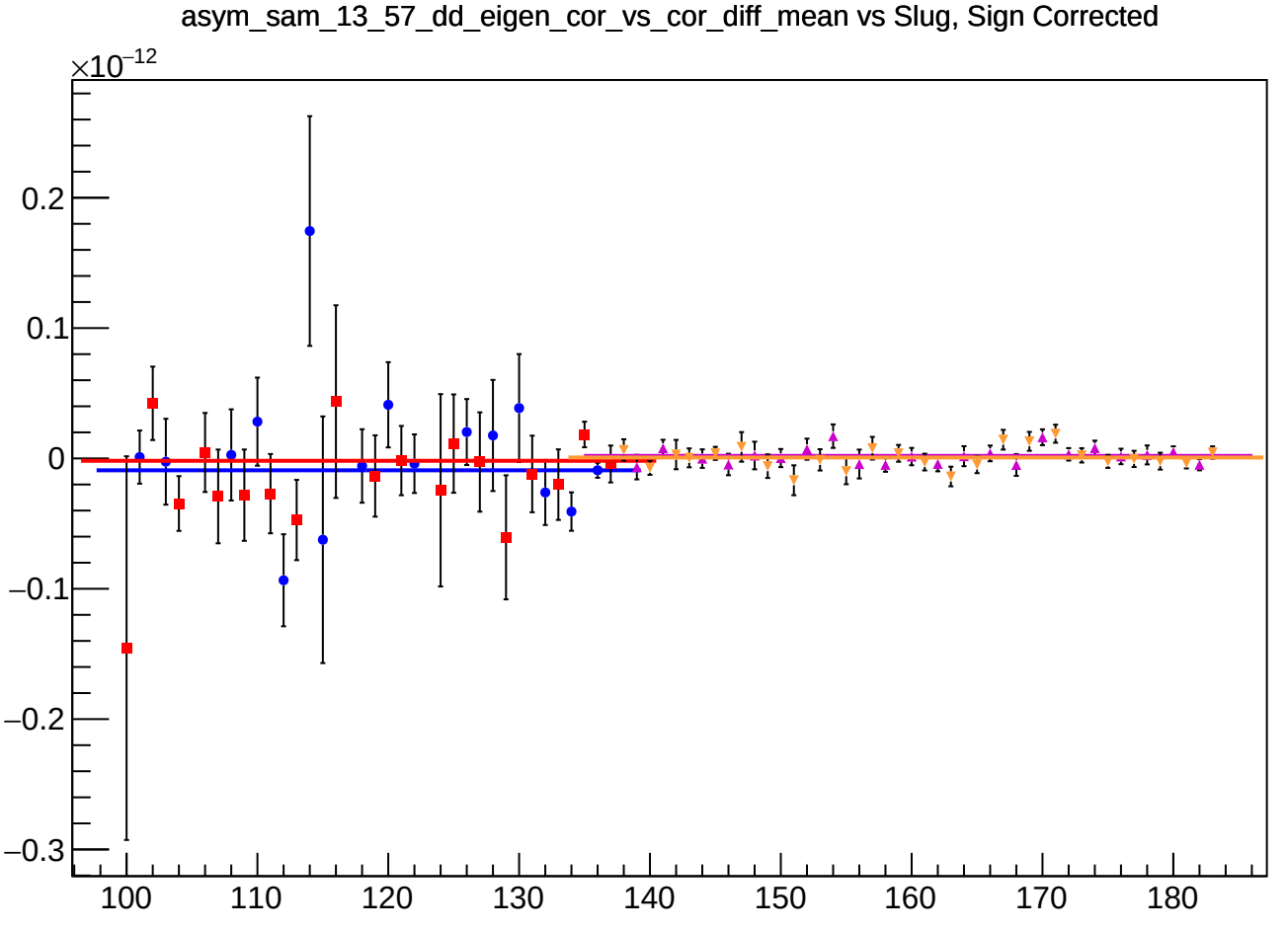
Left: 20.507+/-0.002 χ^2/NDF: 2572599.3/45

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.597+/-0.003 χ^2/NDF:2634224.3/37

Out: 20.400+/-0.003 χ^2/NDF:3890571.9/42

All: 20.496+/-0.002 χ^2/NDF: 6526941.1/80



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/23

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: 48.5/45

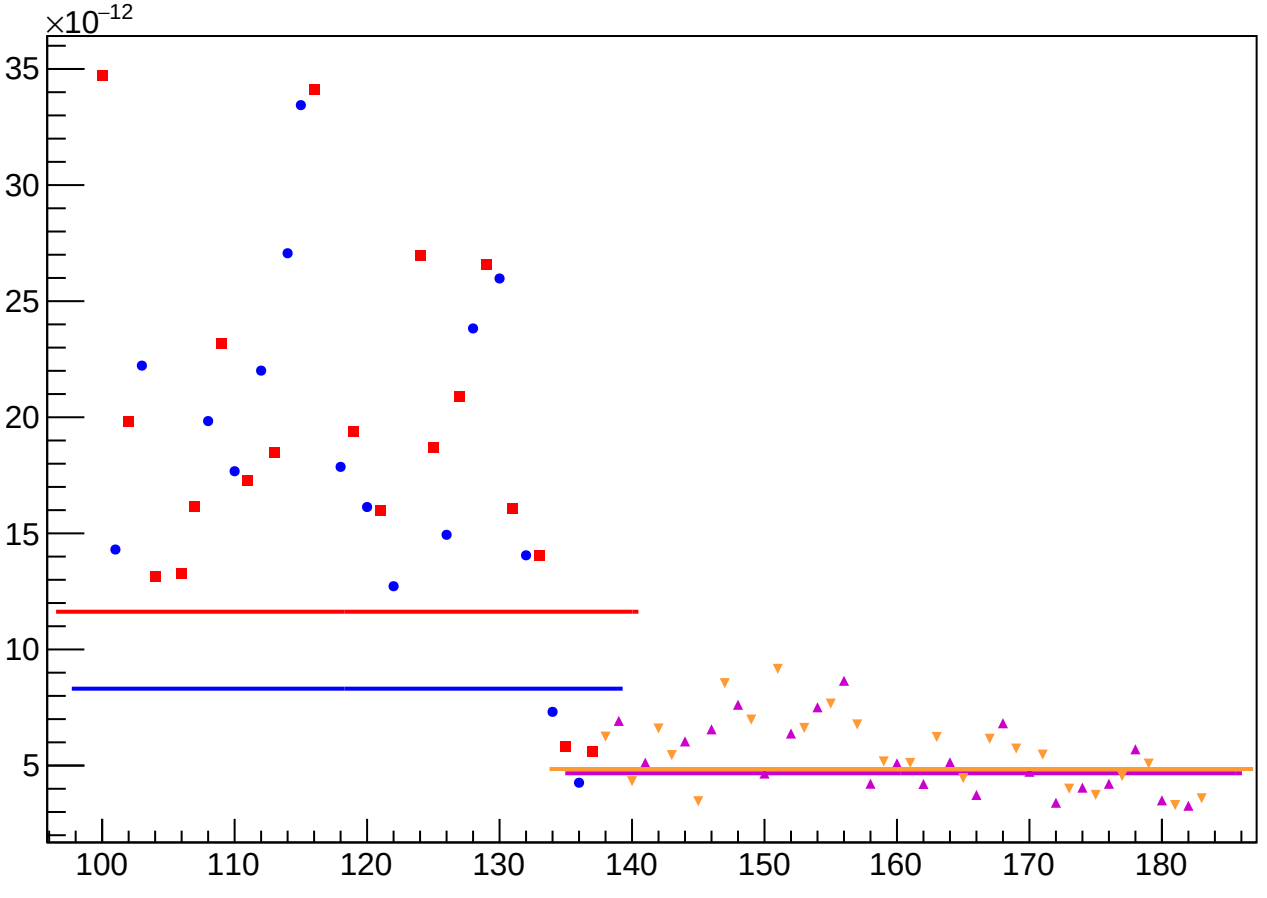
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: 0.000+/-0.000 χ^2/NDF:47.4/37

Out: 0.000+/-0.000 χ^2/NDF:45.9/42

All: 0.000+/-0.000 χ^2/NDF: 93.4/80

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2009363.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1806799.2/21

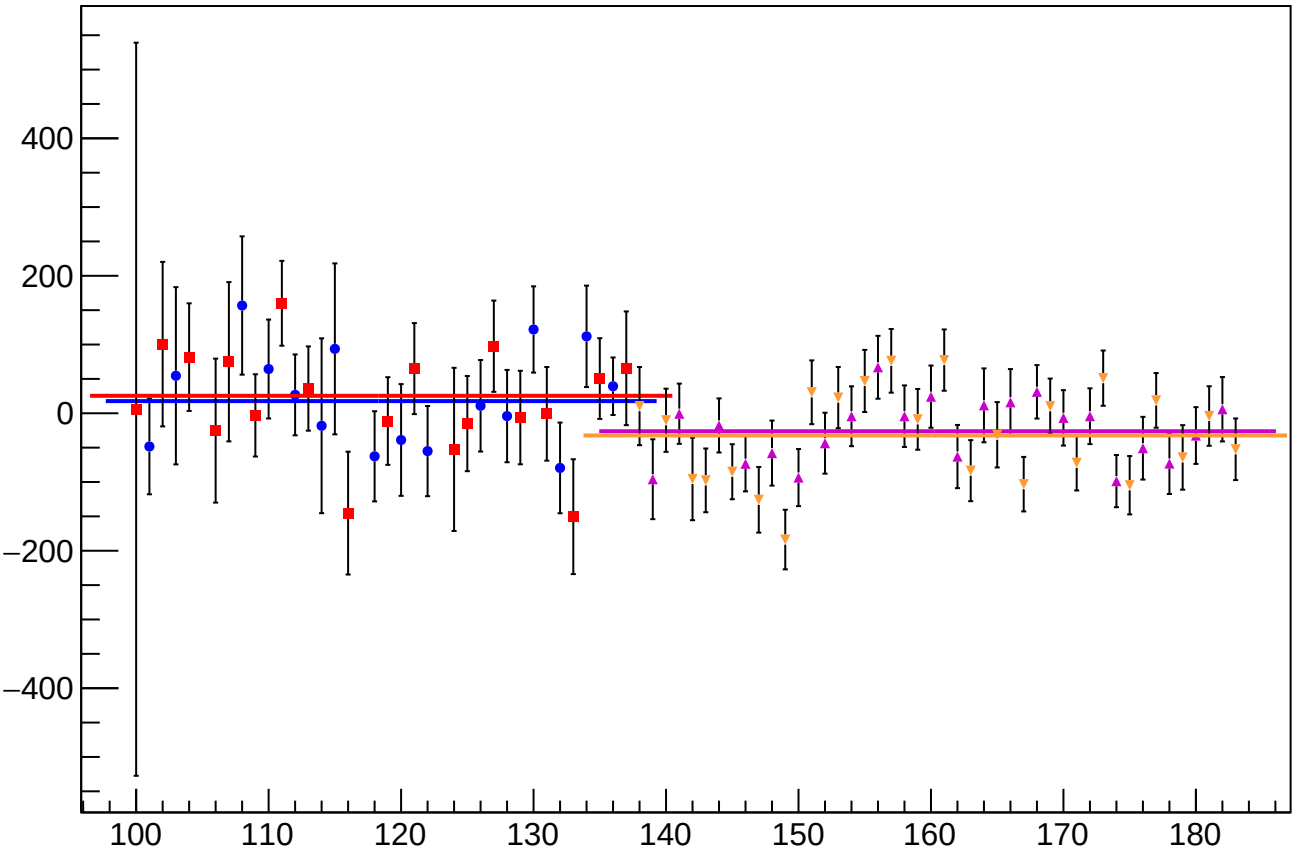
Left: 0.000+/-0.000 χ^2/NDF: 3834318.4/45

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:6741786.3/37

Out: 0.000+/-0.000 χ^2/NDF:7310166.3/42

All: 0.000+/-0.000 χ^2/NDF: 14084140.3/80



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -32.279+/-9.064 χ^2/NDF:56.5/23

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -26.151+/-9.339 χ^2/NDF:22.5/21

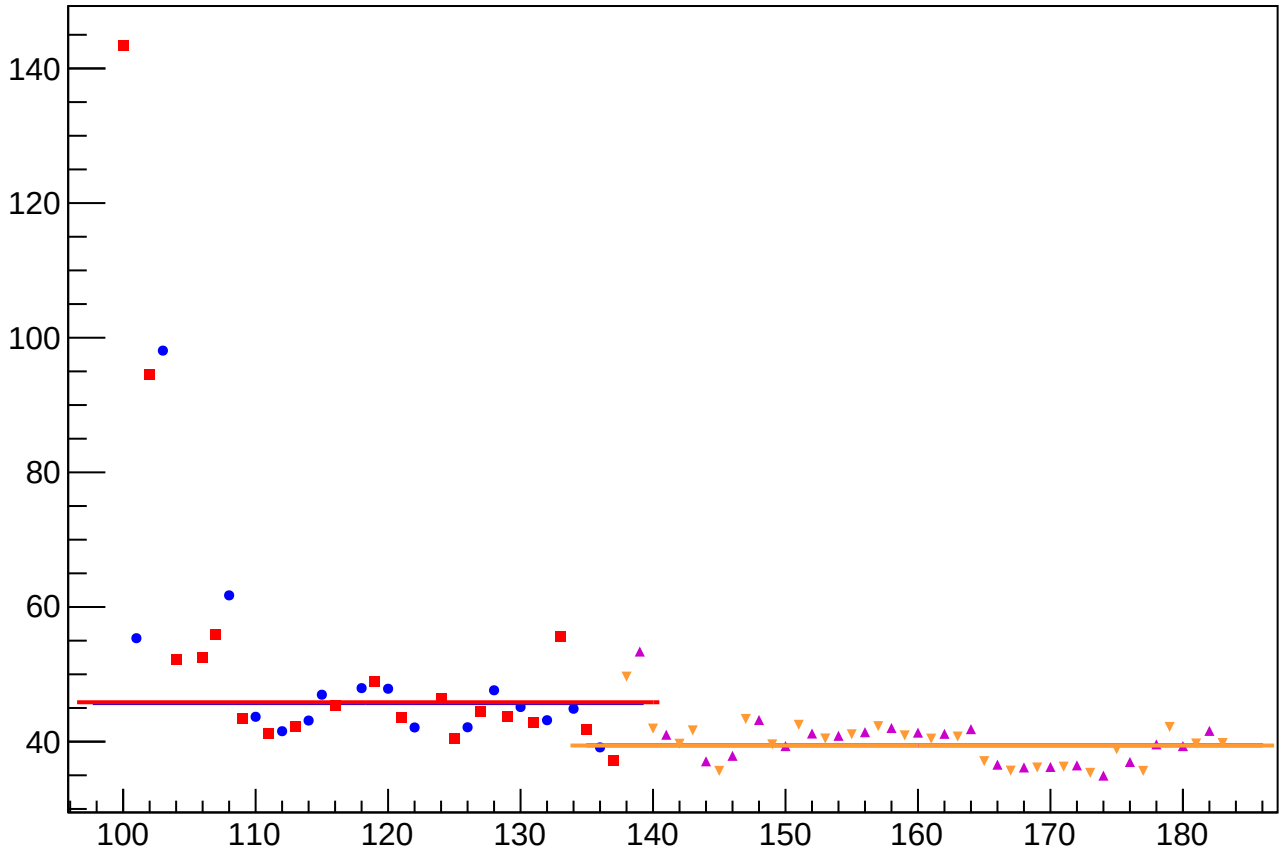
Left: -29.307+/-6.504 χ^2/NDF: 79.2/45

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -16.406+/-8.236 χ^2/NDF:41.3/37

Out: -19.889+/-8.033 χ^2/NDF:83.1/42

All: -18.191+/-5.750 χ^2/NDF: 124.5/80



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.424+/-0.006 χ^2/NDF:226074.4/23

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.451+/-0.007 χ^2/NDF:249226.5/21

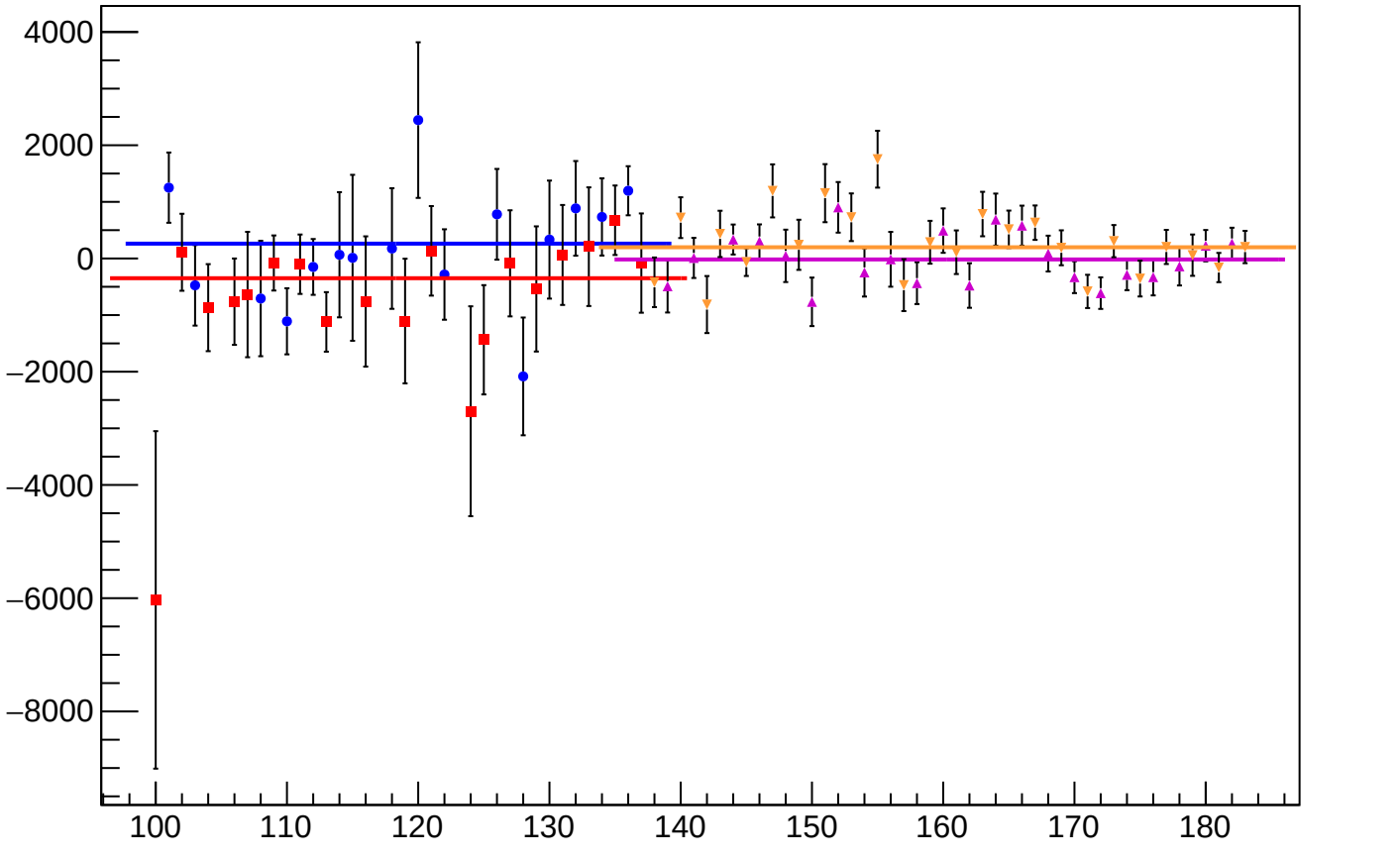
Left: 39.437+/-0.005 χ^2/NDF: 475309.2/45

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 40.846+/-0.006 χ^2/NDF:951432.4/37

Out: 40.804+/-0.006 χ^2/NDF:981948.7/42

All: 40.824+/-0.004 χ^2/NDF: 1933407.7/80



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 198.150+/-71.119 χ^2/NDF:48.5/23

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -17.235+/-72.745 χ^2/NDF:30.8/21

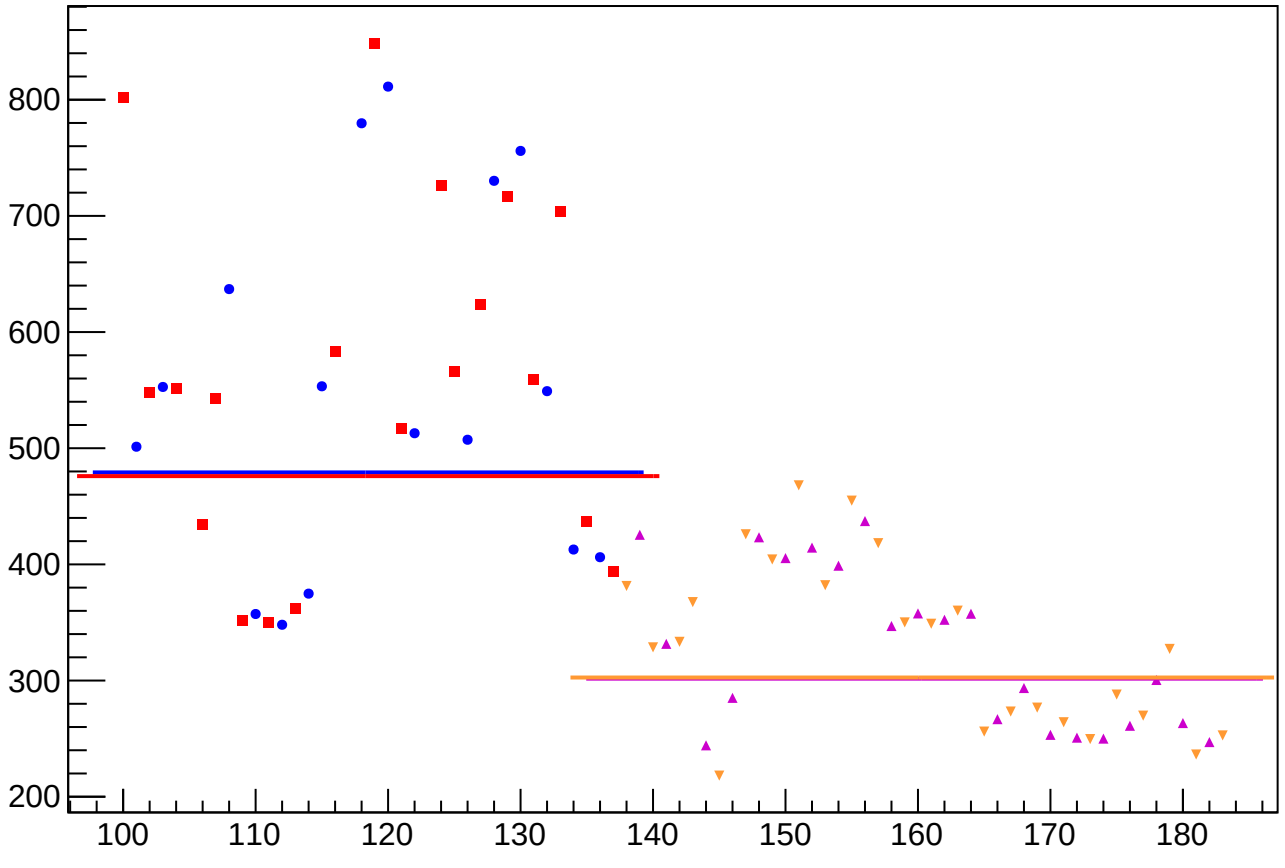
Left: 92.892+/-50.854 χ^2/NDF: 83.8/45

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 20.077+/-67.710 χ^2/NDF:57.7/37

Out: 124.794+/-66.177 χ^2/NDF:71.4/42

All: 73.634+/-47.327 χ^2/NDF: 130.3/80



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 302.607+/-0.050 χ^2/NDF:1712886.1/23

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 301.633+/-0.051 χ^2/NDF:1399935.1/21

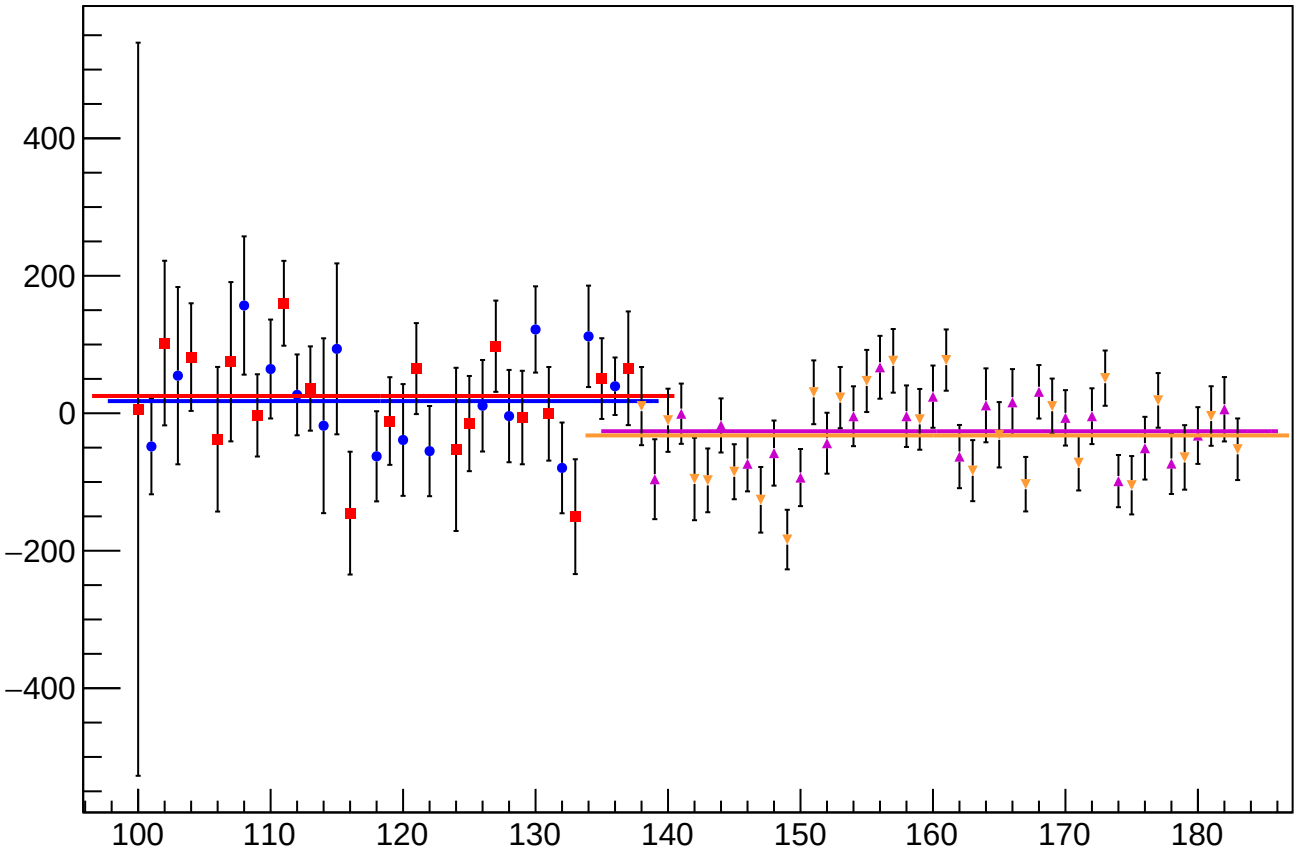
Left: 302.131+/-0.036 χ^2/NDF: 3113004.6/45

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 325.362+/-0.048 χ^2/NDF:3944851.4/37

Out: 325.866+/-0.047 χ^2/NDF:4314021.8/42

All: 325.620+/-0.033 χ^2/NDF: 8258929.9/80



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -32.280+/-9.064 χ^2/NDF:56.5/23

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -26.151+/-9.339 χ^2/NDF:22.5/21

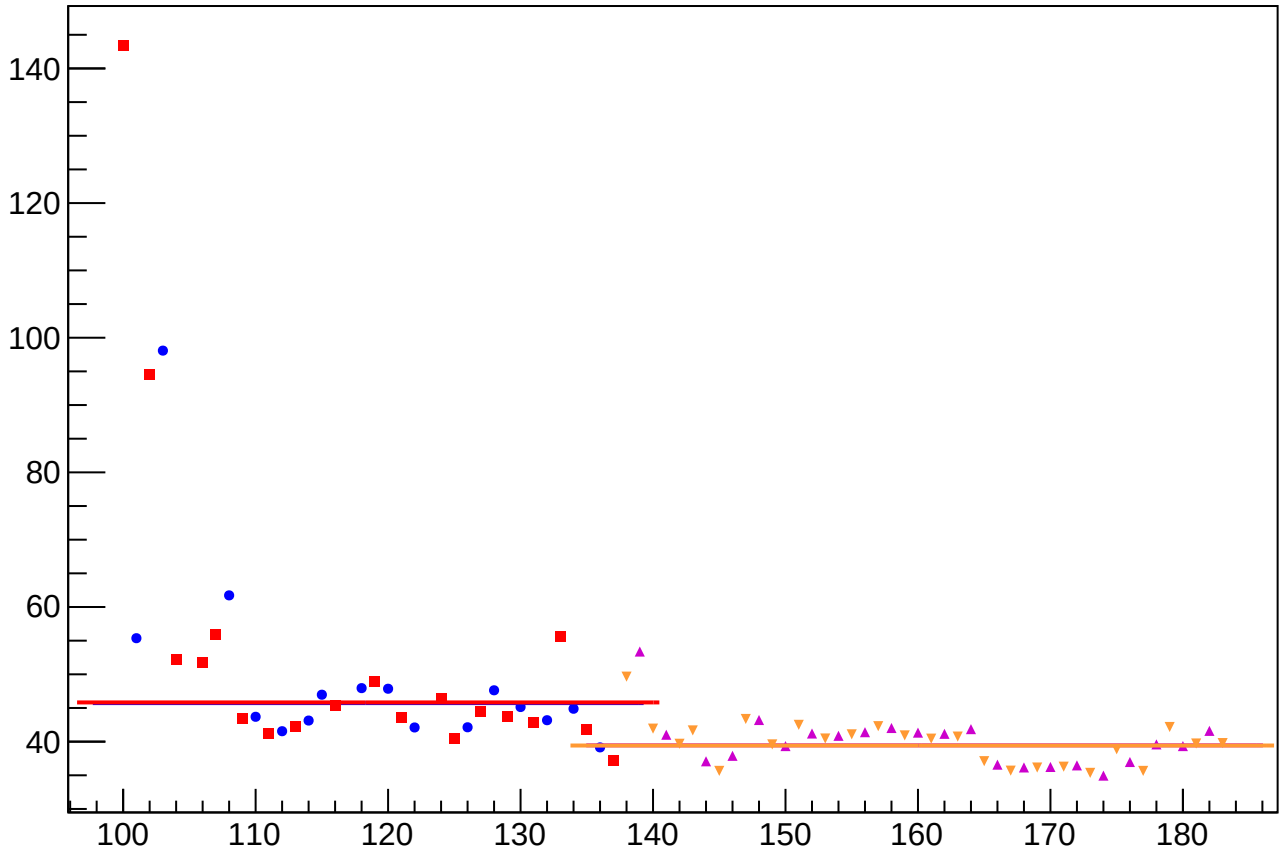
Left: -29.307+/-6.504 χ^2/NDF: 79.2/45

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -16.405+/-8.236 χ^2/NDF:41.3/37

Out: -19.955+/-8.033 χ^2/NDF:83.1/42

All: -18.224+/-5.750 χ^2/NDF: 124.5/80



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.424+/-0.006 χ^2/NDF:226074.4/23

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.451+/-0.007 χ^2/NDF:249226.5/21

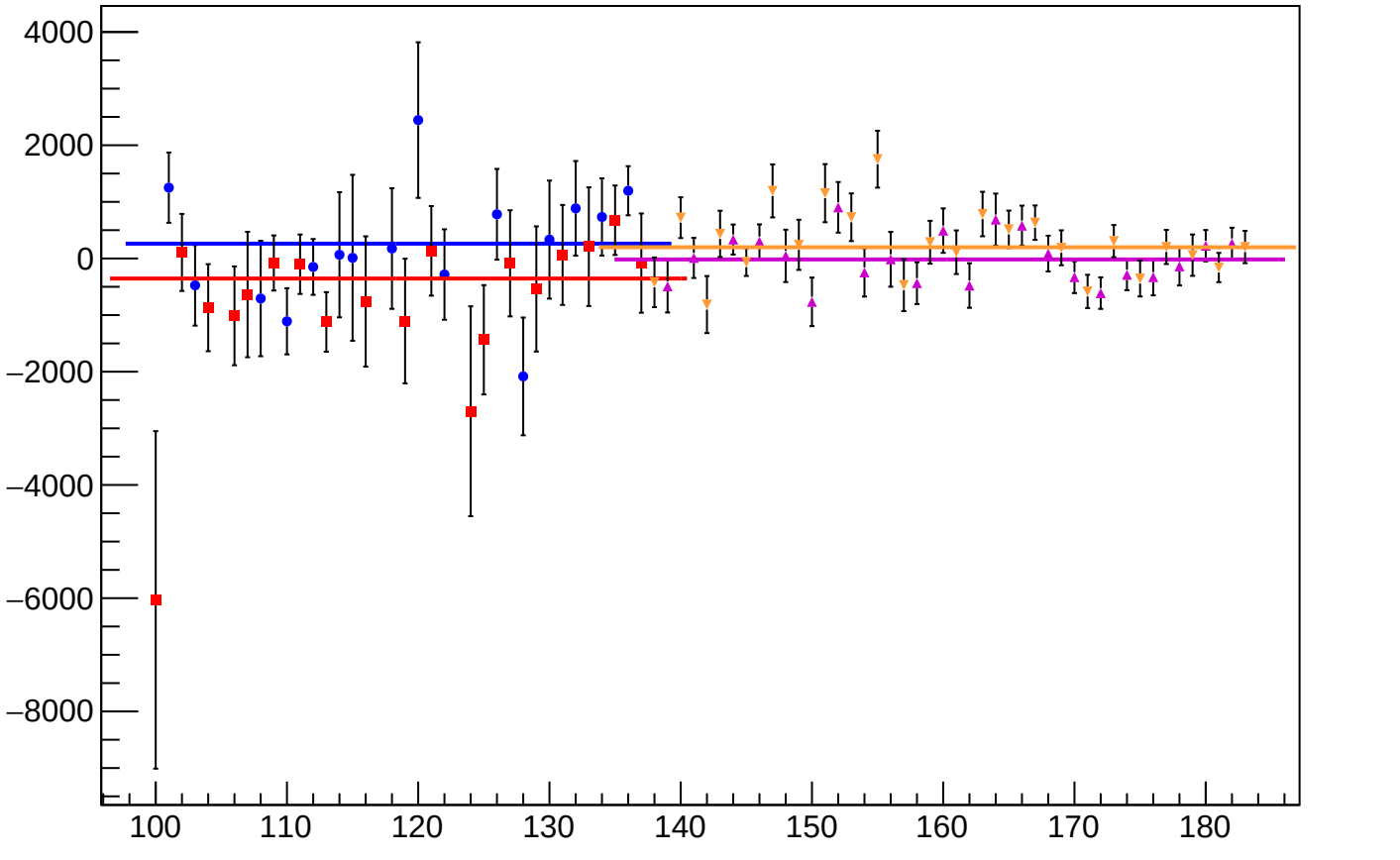
Left: 39.437+/-0.005 χ^2/NDF: 475309.2/45

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.846+/-0.006 χ^2/NDF:951435.3/37

Out: 40.798+/-0.006 χ^2/NDF:978619.2/42

All: 40.821+/-0.004 χ^2/NDF: 1930088.5/80



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 198.148+/-71.119 χ^2/NDF:48.5/23

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -17.234+/-72.745 χ^2/NDF:30.8/21

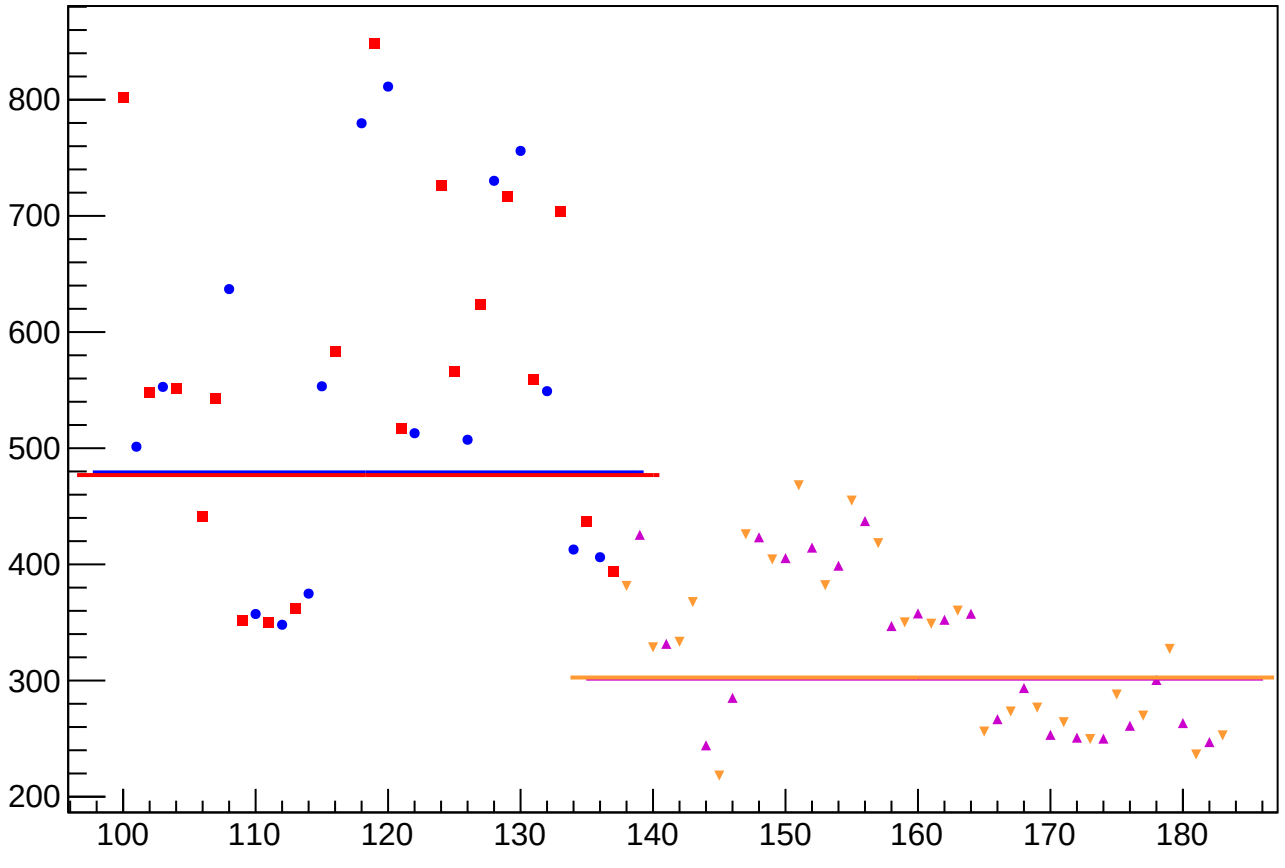
Left: 92.892+/-50.854 χ^2/NDF: 83.8/45

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 20.078+/-67.710 χ^2/NDF:57.7/37

Out: 124.912+/-66.236 χ^2/NDF:71.7/42

All: 73.648+/-47.348 χ^2/NDF: 130.7/80



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 302.607+/-0.050 χ^2/NDF:1712882.3/23

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 301.633+/-0.051 χ^2/NDF:1399942.5/21

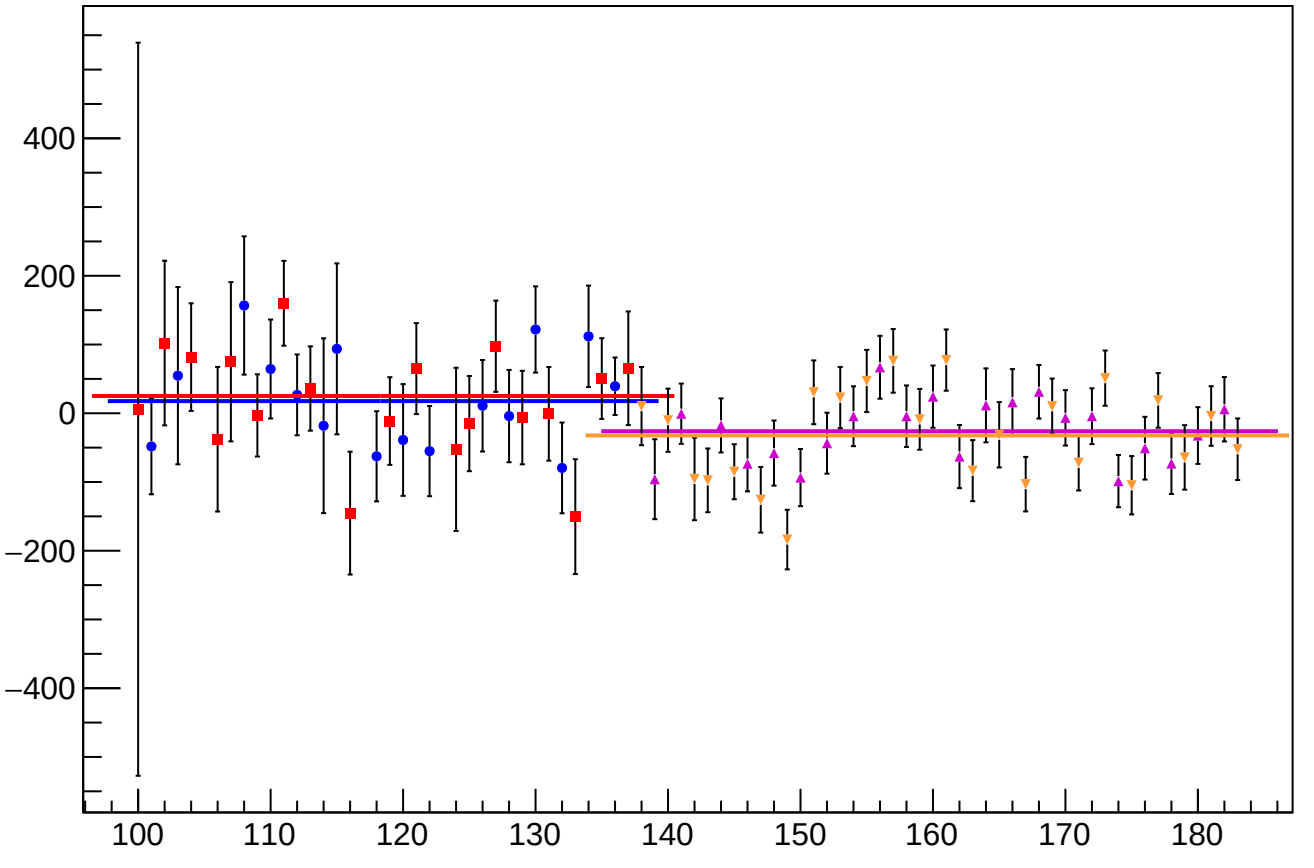
Left: 302.131+/-0.036 χ^2/NDF: 3113008.2/45

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 325.362+/-0.048 χ^2/NDF:3944912.5/37

Out: 325.716+/-0.047 χ^2/NDF:4309218.6/42

All: 325.543+/-0.033 χ^2/NDF: 8254159.0/80



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -32.280+/-9.064 χ^2/NDF:56.5/23

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -26.151+/-9.339 χ^2/NDF:22.5/21

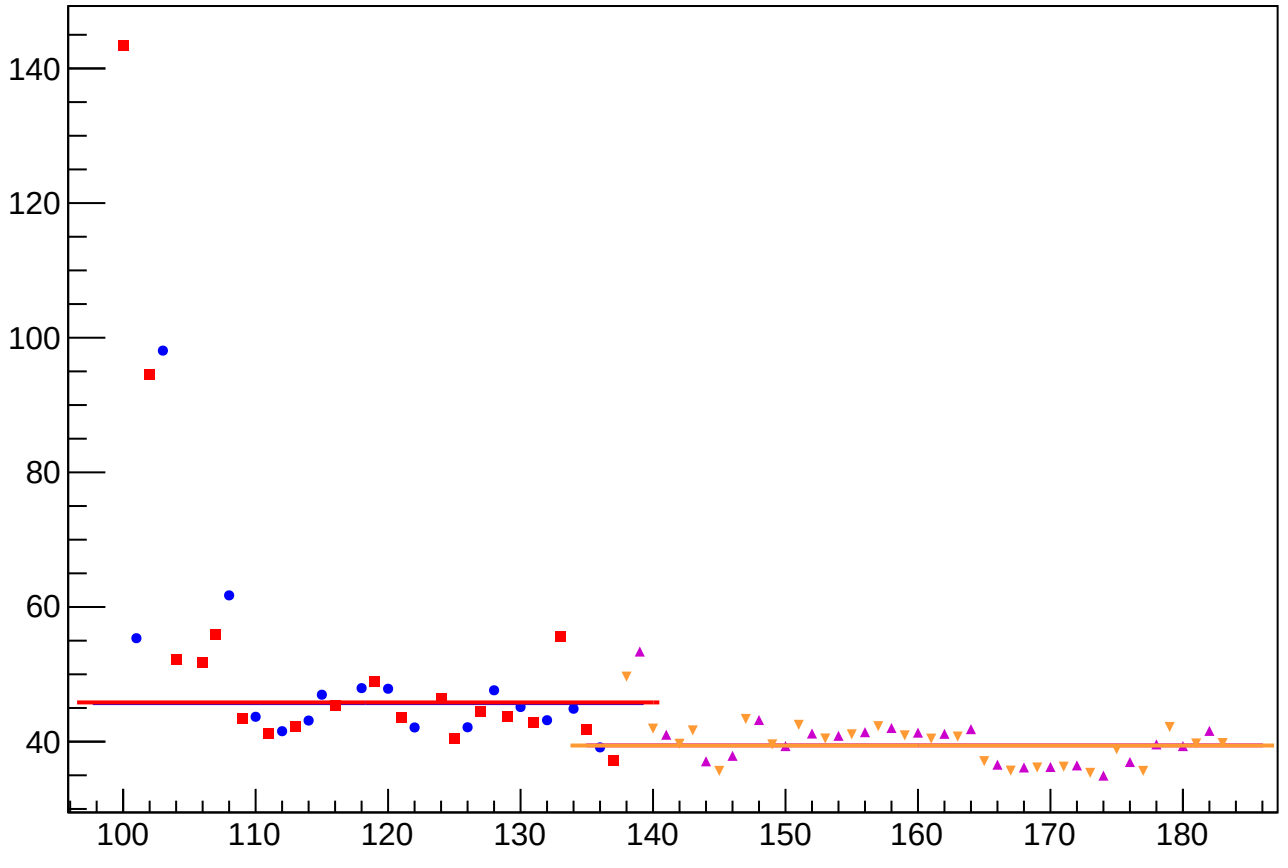
Left: -29.307+/-6.504 χ^2/NDF: 79.2/45

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -16.405+/-8.236 χ^2/NDF:41.3/37

Out: -19.955+/-8.033 χ^2/NDF:83.1/42

All: -18.224+/-5.750 χ^2/NDF: 124.5/80



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.424+/-0.006 χ^2/NDF:226074.4/23

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.451+/-0.007 χ^2/NDF:249226.5/21

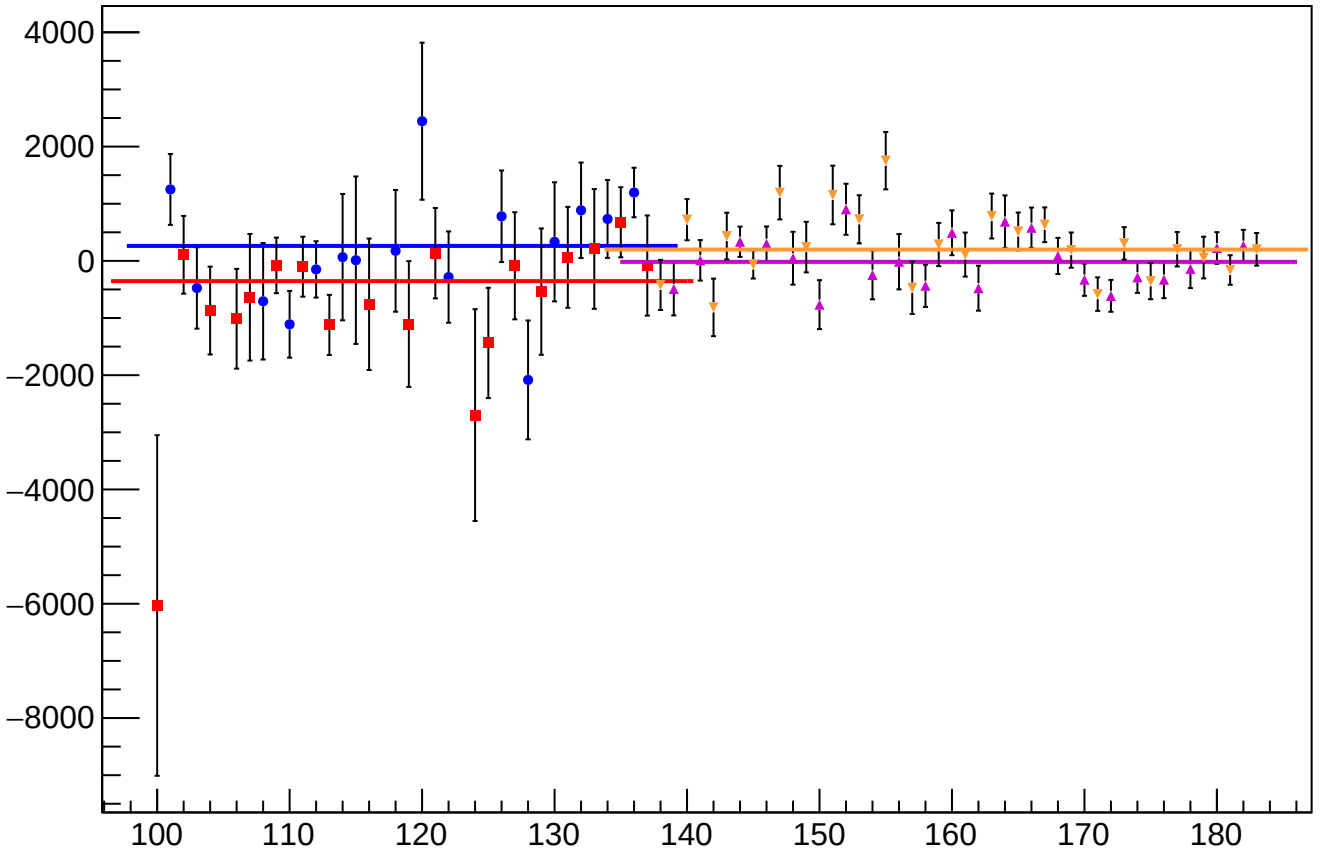
Left: 39.437+/-0.005 χ^2/NDF: 475309.2/45

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.846+/-0.006 χ^2/NDF:951435.3/37

Out: 40.798+/-0.006 χ^2/NDF:978619.2/42

All: 40.821+/-0.004 χ^2/NDF: 1930088.5/80



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 198.148+/-71.119 χ^2/NDF:48.5/23

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: 92.892+/-50.854 χ^2/NDF: 83.8/45

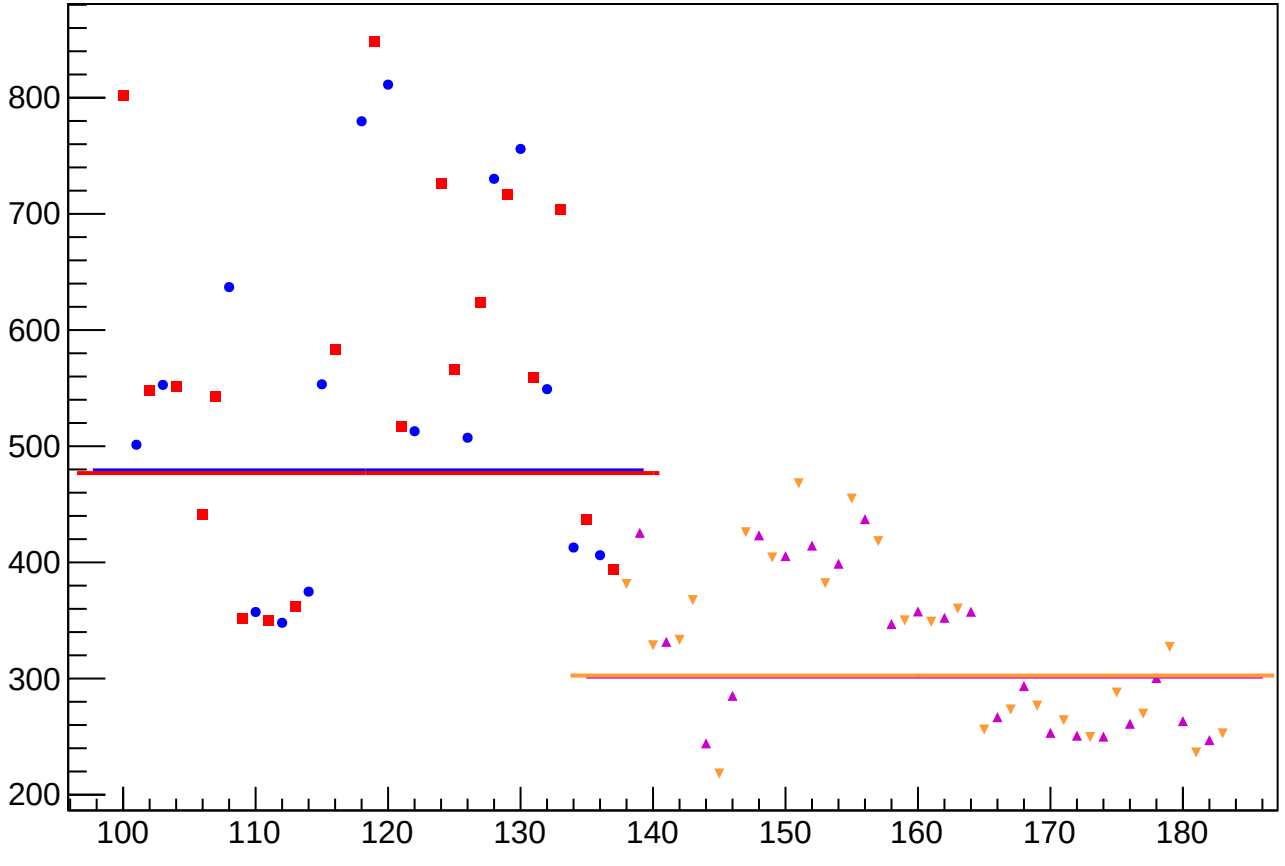
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 20.078+/-67.710 χ^2/NDF:57.7/37

Out: 124.912+/-66.236 χ^2/NDF:71.7/42

All: 73.648+/-47.348 χ^2/NDF: 130.7/80

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: 302.607+/-0.050 χ^2/NDF:1712882.3/23

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 301.633+/-0.051 χ^2/NDF:1399942.5/21

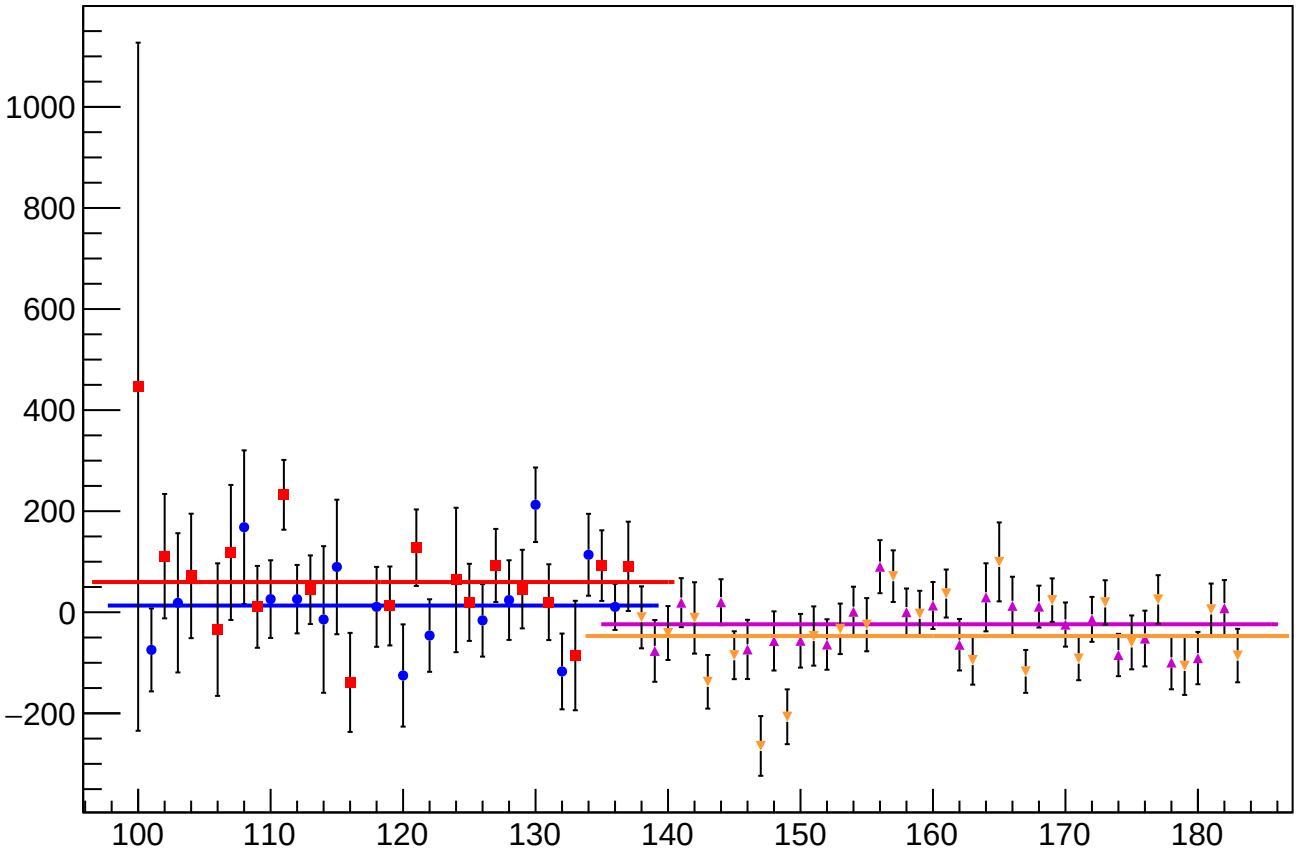
Left: 302.131+/-0.036 χ^2/NDF: 3113008.2/45

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 325.362+/-0.048 χ^2/NDF:3944912.5/37

Out: 325.716+/-0.047 χ^2/NDF:4309218.6/42

All: 325.543+/-0.033 χ^2/NDF: 8254159.0/80



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -46.974+/-10.438 χ^2/NDF:54.4/23

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -23.787+/-10.735 χ^2/NDF:19.2/21

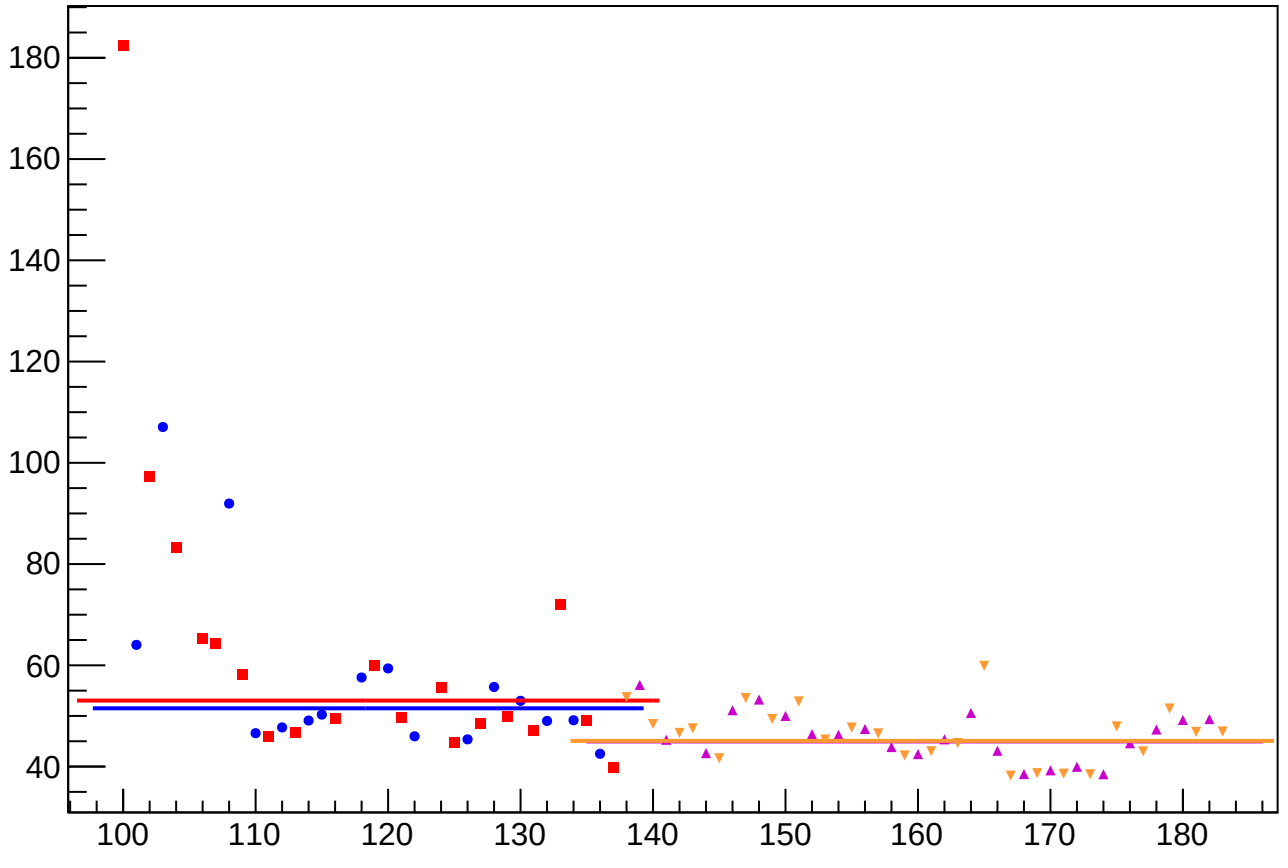
Left: -35.705+/-7.484 χ^2/NDF: 76.0/45

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -15.402+/-9.442 χ^2/NDF:39.1/37

Out: -24.529+/-9.277 χ^2/NDF:92.5/42

All: -20.046+/-6.617 χ^2/NDF: 132.1/80



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 45.076+/-0.007 χ^2/NDF:469406.3/23

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 44.959+/-0.008 χ^2/NDF:368394.1/21

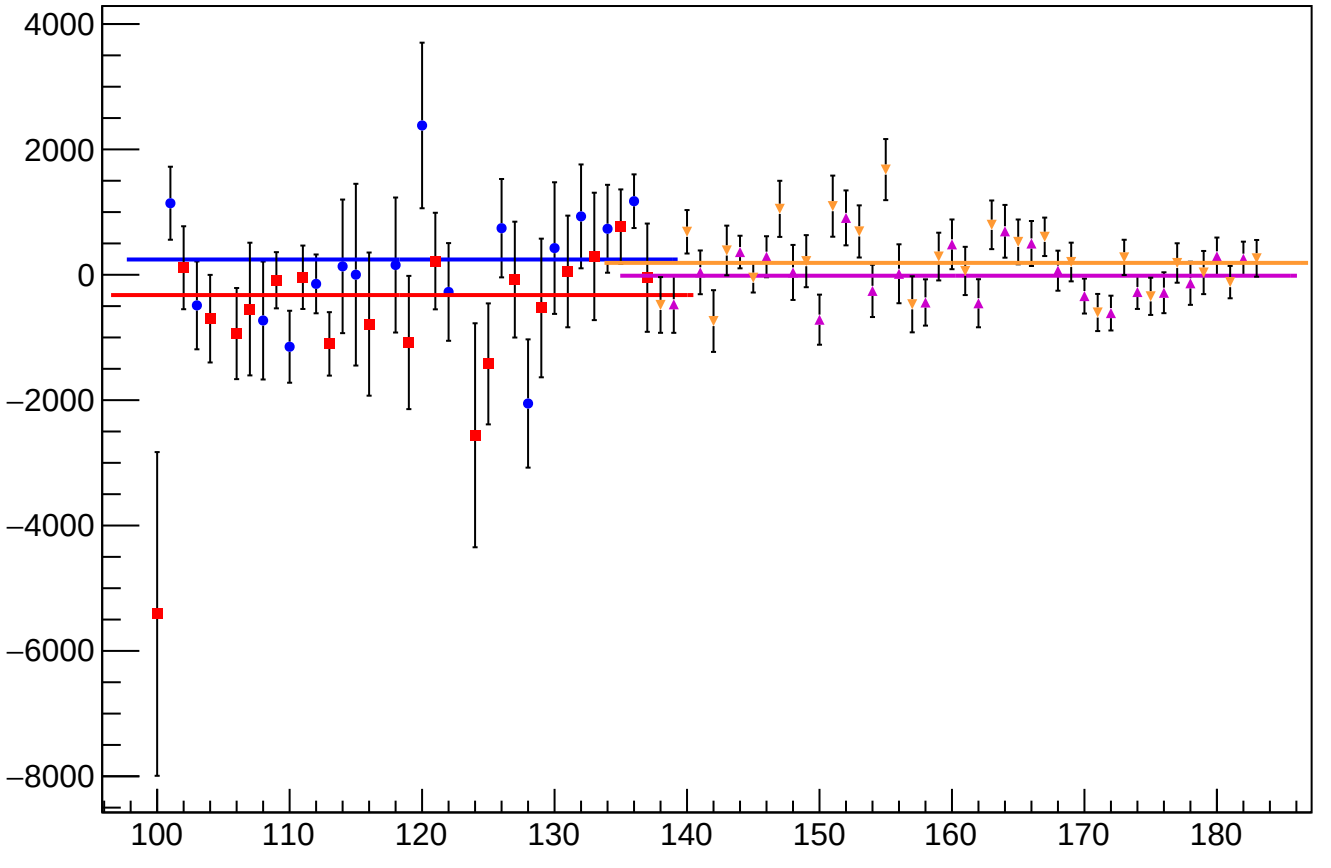
Left: 45.019+/-0.005 χ^2/NDF: 837922.7/45

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 46.440+/-0.007 χ^2/NDF:1203791.0/37

Out: 46.749+/-0.007 χ^2/NDF:1426874.9/42

All: 46.598+/-0.005 χ^2/NDF: 2631756.2/80



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 189.823+/-70.413 χ^2/NDF:46.7/23

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: 90.496+/-50.541 χ^2/NDF: 81.7/45

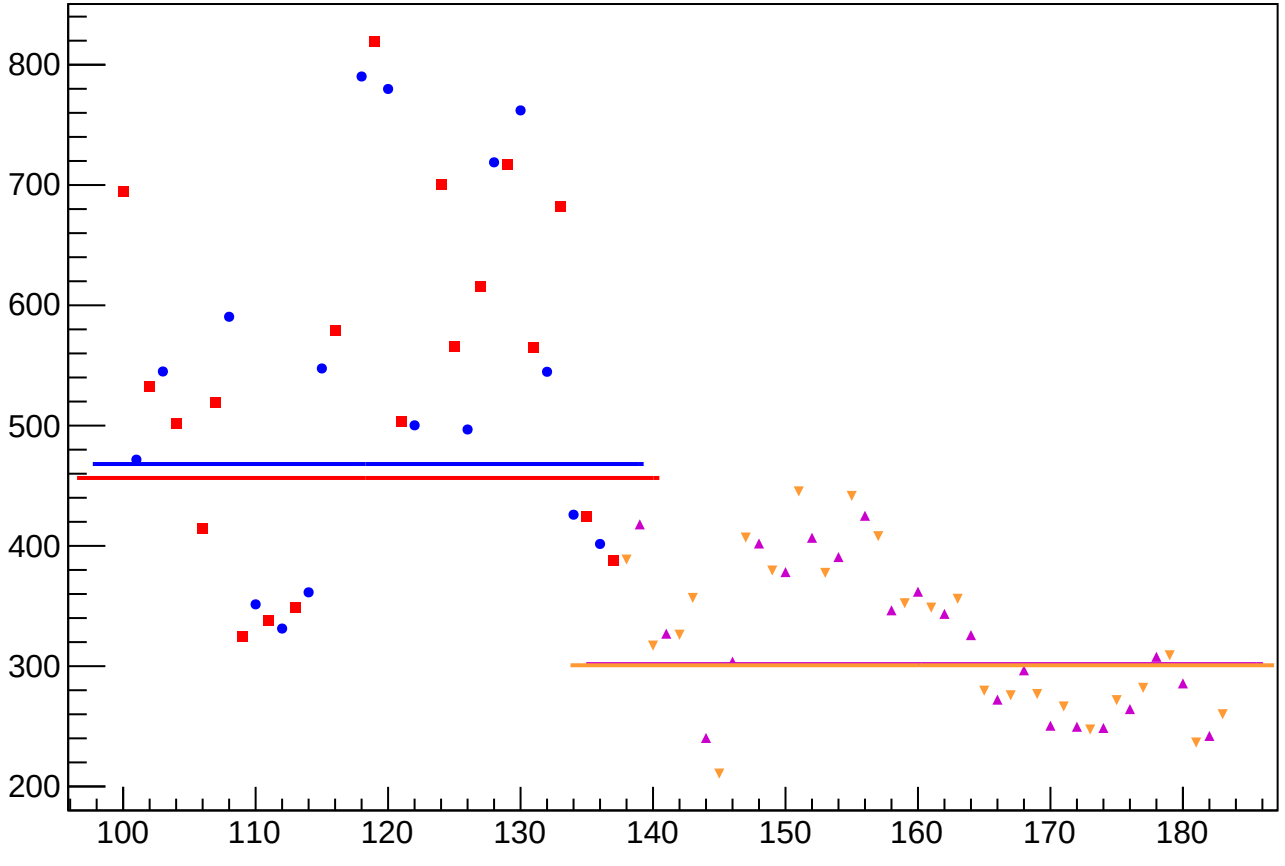
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 20.848+/-67.367 χ^2/NDF:58.2/37

Out: 117.310+/-65.251 χ^2/NDF:70.7/42

All: 70.617+/-46.870 χ^2/NDF: 129.9/80

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: 300.752+/-0.050 χ^2/NDF:1558823.5/23

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 301.731+/-0.051 χ^2/NDF:1237020.2/21

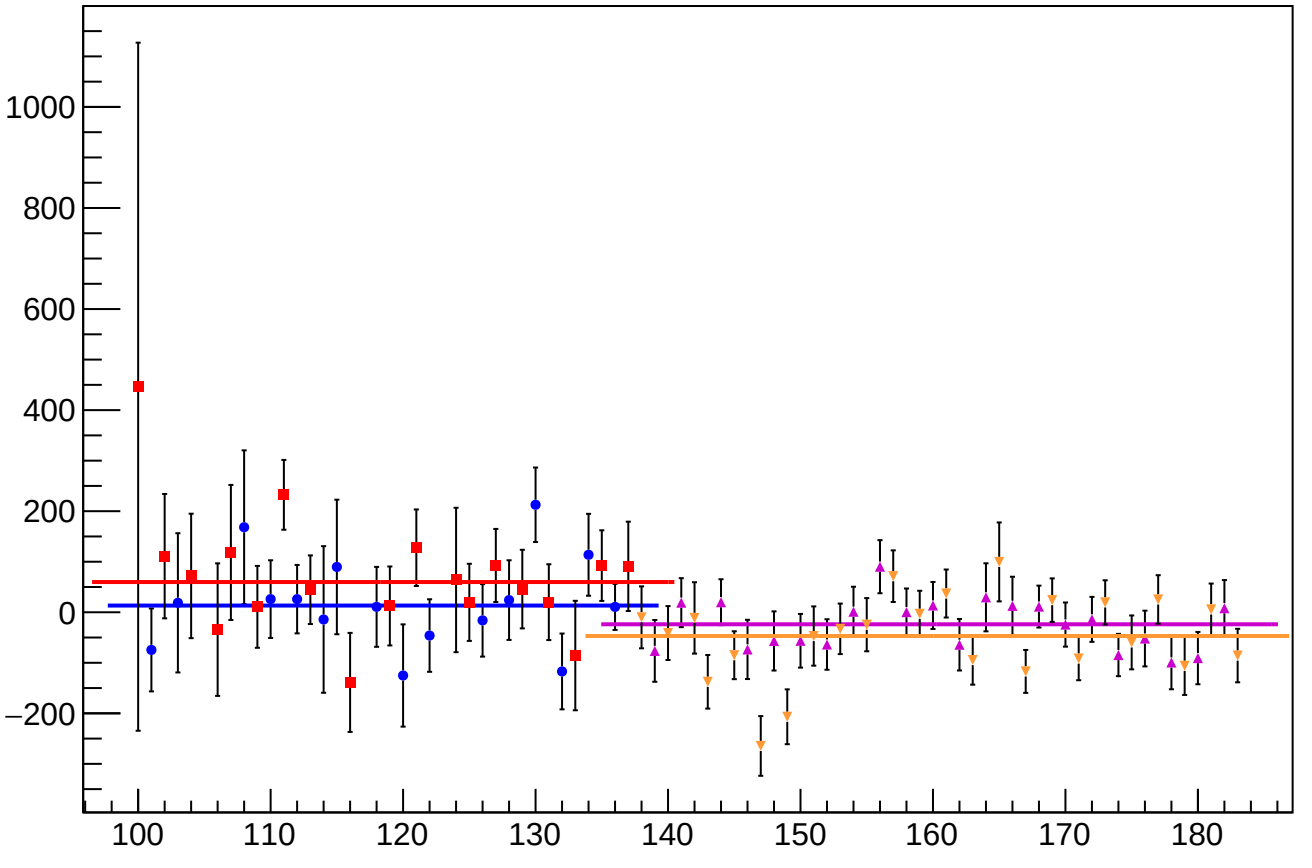
Left: 301.227+/-0.036 χ^2/NDF: 2796030.9/45

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 324.805+/-0.048 χ^2/NDF:3676730.0/37

Out: 322.744+/-0.046 χ^2/NDF:4022774.1/42

All: 323.742+/-0.033 χ^2/NDF: 7700470.1/80



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -46.974+/-10.438 χ^2/NDF:54.4/23

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -23.787+/-10.735 χ^2/NDF:19.2/21

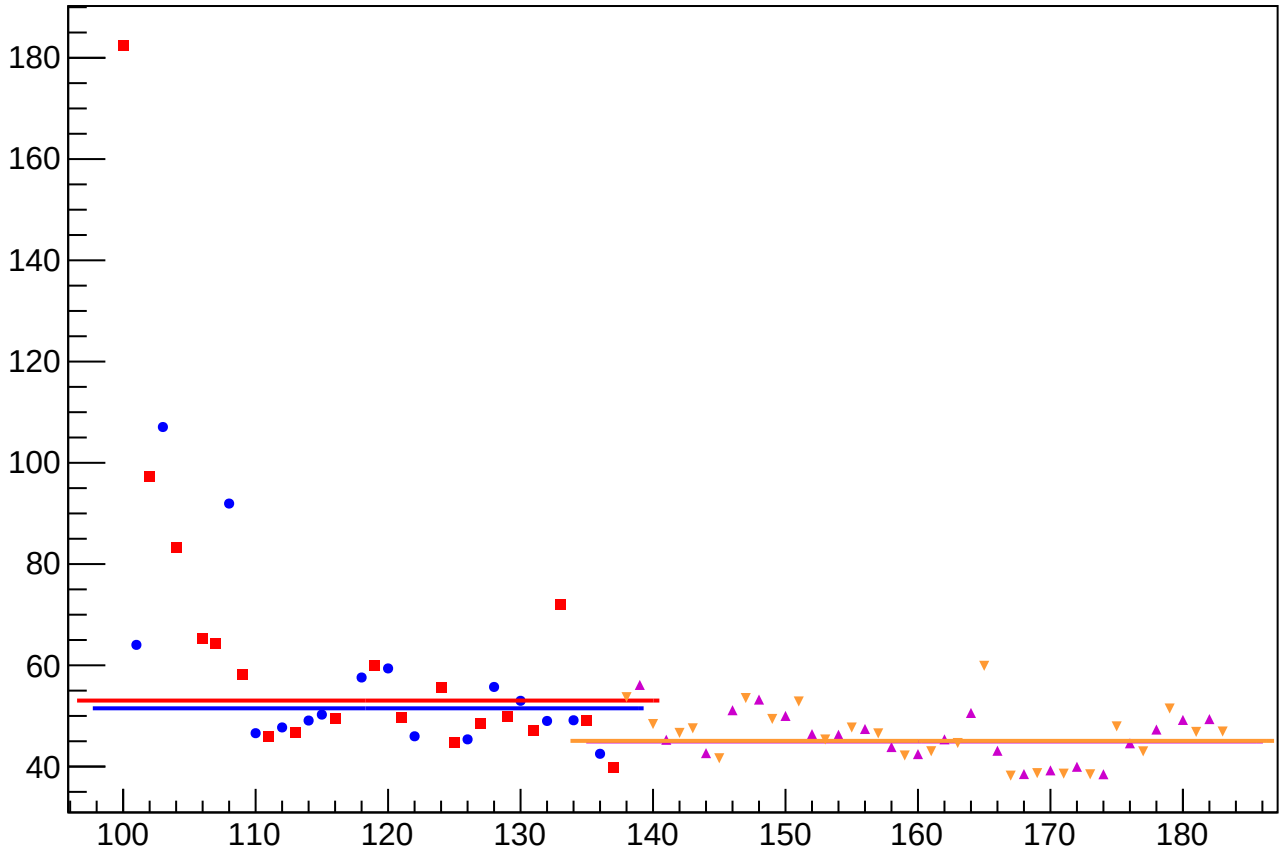
Left: -35.705+/-7.484 χ^2/NDF: 76.0/45

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -15.402+/-9.442 χ^2/NDF:39.1/37

Out: -24.529+/-9.277 χ^2/NDF:92.5/42

All: -20.046+/-6.617 χ^2/NDF: 132.1/80



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 45.076+/-0.007 χ^2/NDF:469406.4/23

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 44.959+/-0.008 χ^2/NDF:368395.7/21

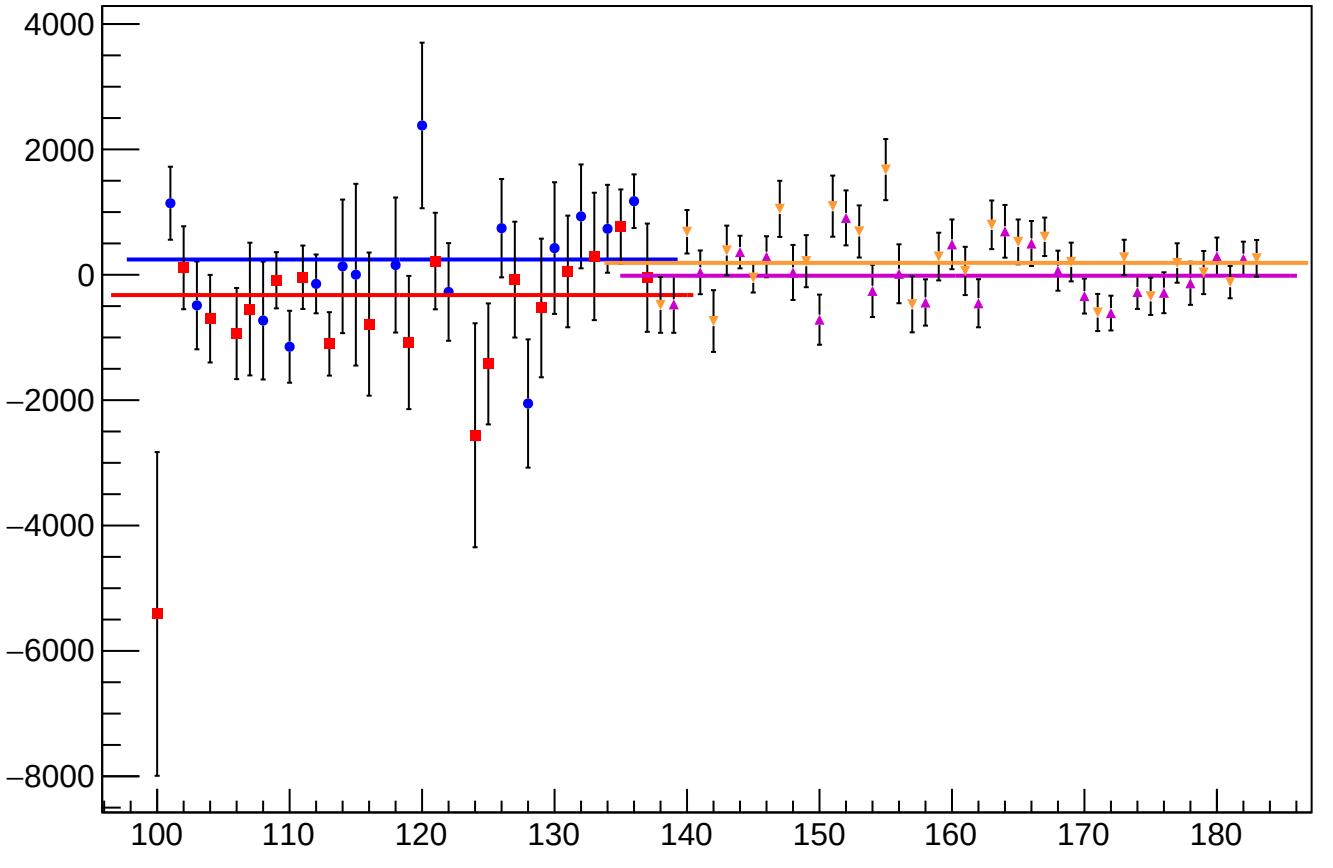
Left: 45.019+/-0.005 χ^2/NDF: 837924.4/45

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 46.440+/-0.007 χ^2/NDF:1203796.8/37

Out: 46.749+/-0.007 χ^2/NDF:1426887.1/42

All: 46.598+/-0.005 χ^2/NDF: 2631774.1/80



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 189.823+/-70.413 χ^2/NDF:46.7/23

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: 90.497+/-50.541 χ^2/NDF: 81.7/45

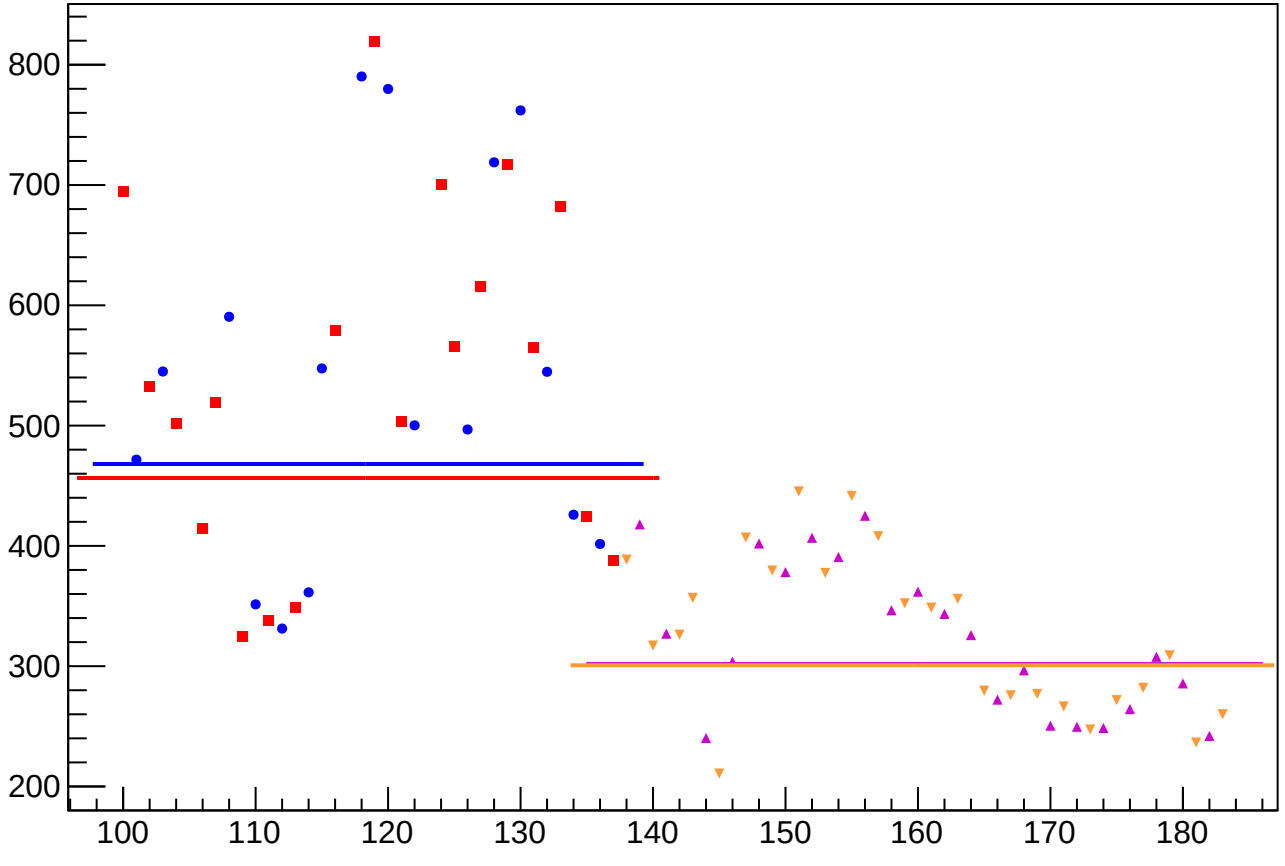
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 20.848+/-67.367 χ^2/NDF:58.2/37

Out: 117.310+/-65.251 χ^2/NDF:70.7/42

All: 70.617+/-46.870 χ^2/NDF: 129.9/80

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: 300.753+/-0.050 χ^2/NDF:1558824.5/23

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: 301.227+/-0.036 χ^2/NDF: 2796026.5/45

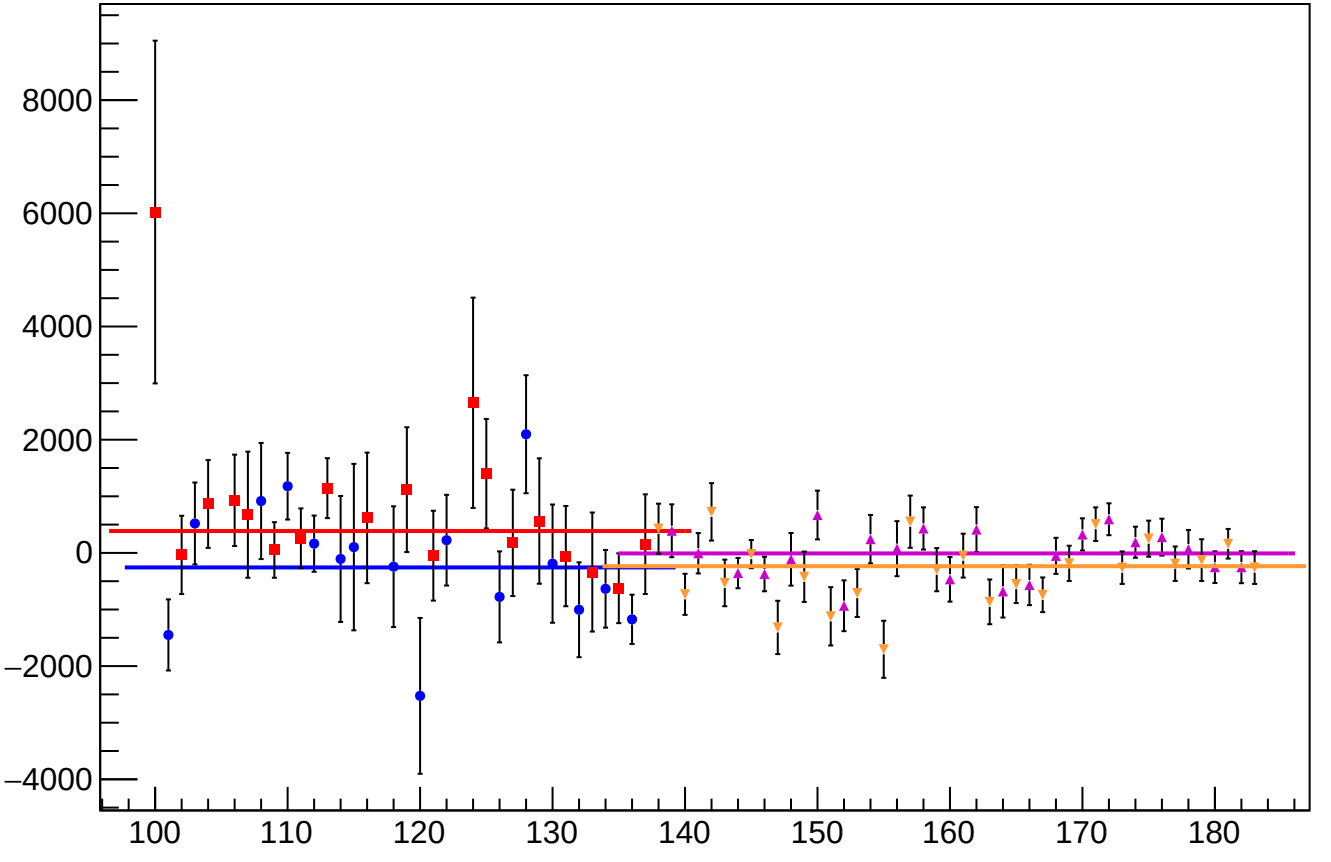
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 324.805+/-0.048 χ^2/NDF:3676707.9/37

Out: 322.744+/-0.046 χ^2/NDF:4022758.6/42

All: 323.742+/-0.033 χ^2/NDF: 7700432.6/80

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -234.945+/-71.764 χ^2/NDF:47.5/23

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: -124.595+/-51.317 χ^2/NDF: 80.5/45

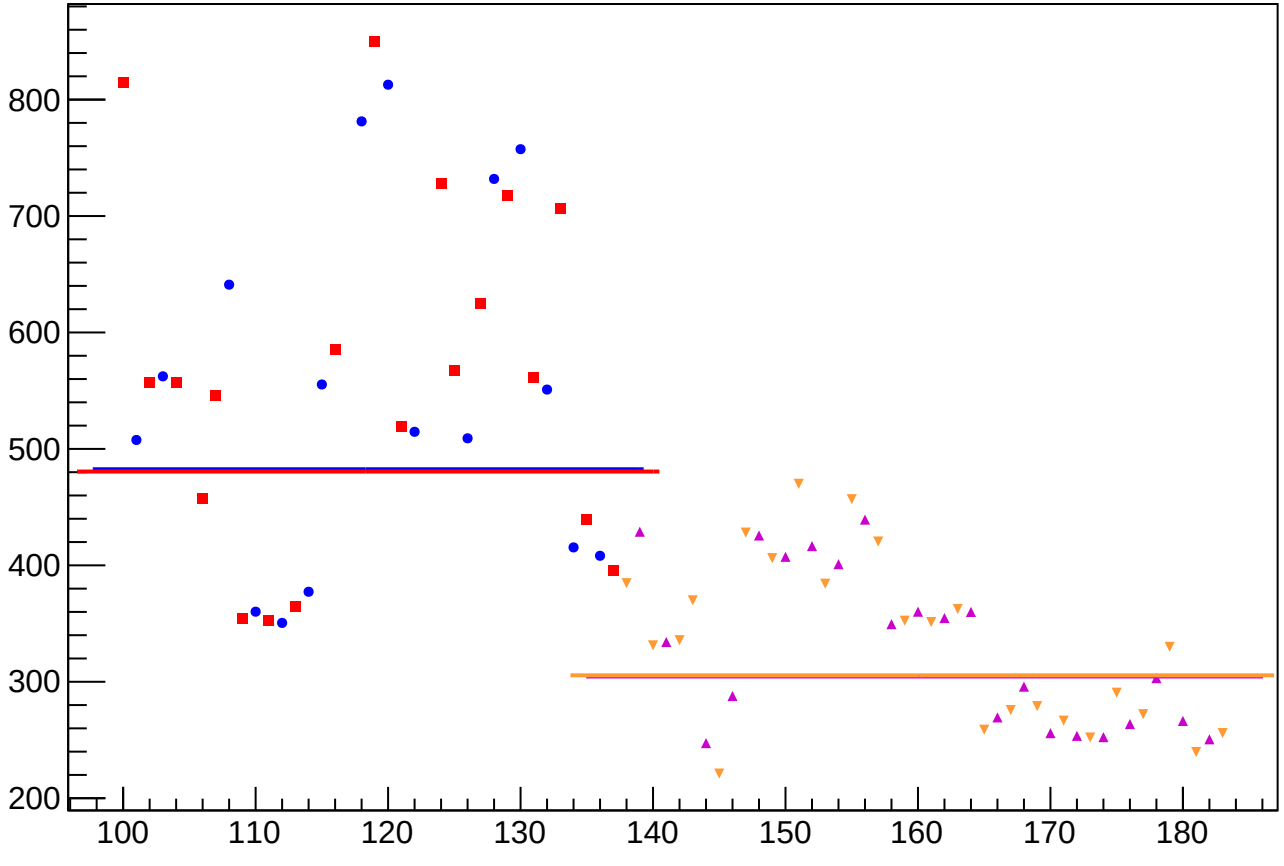
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -42.358+/-68.306 χ^2/NDF:56.7/37

Out: -151.619+/-66.780 χ^2/NDF:71.7/42

All: -98.223+/-47.751 χ^2/NDF: 129.7/80

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 305.536+/-0.051 χ^2/NDF:1673834.0/23

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 304.545+/-0.052 χ^2/NDF:1369378.0/21

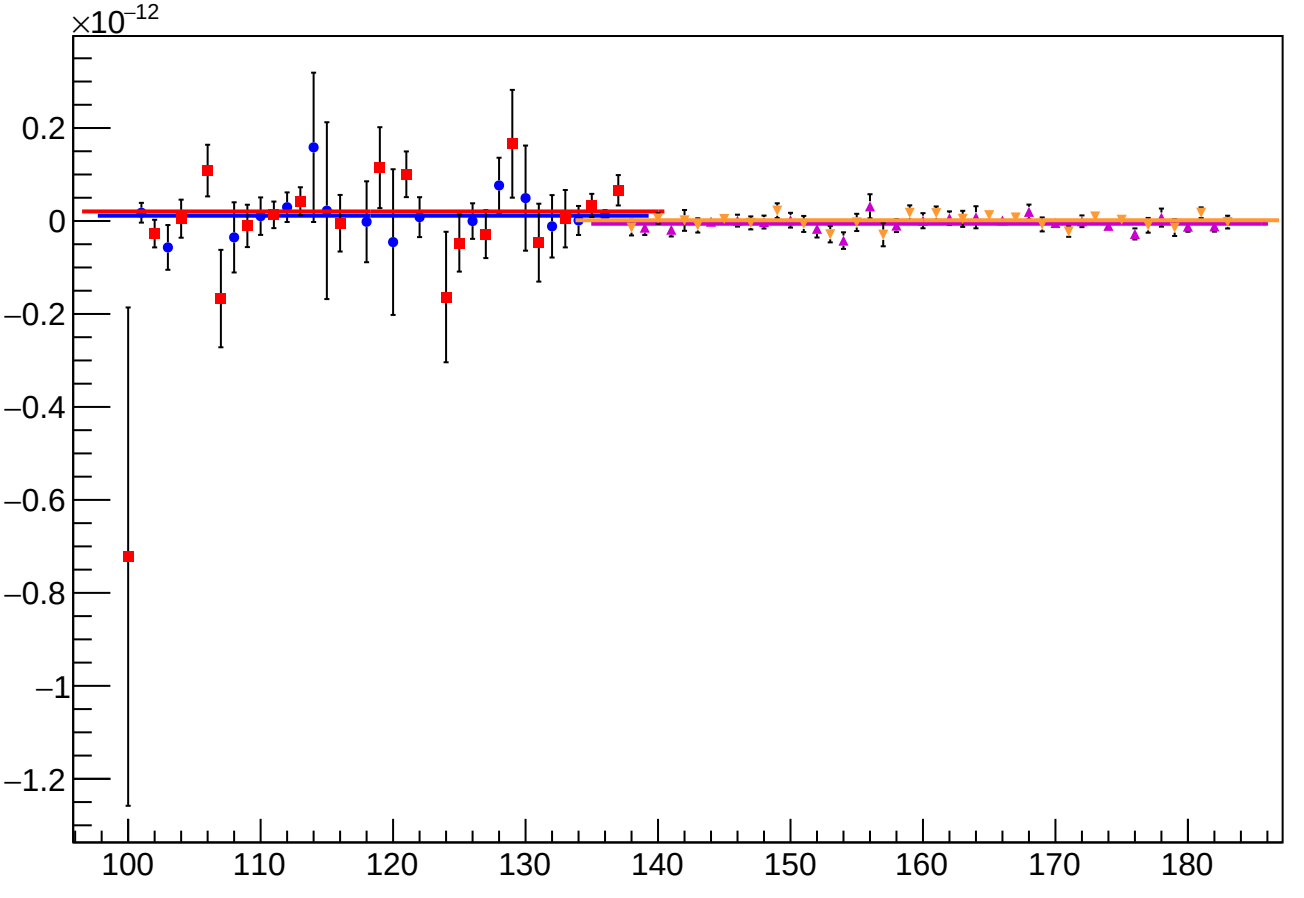
Left: 305.052+/-0.036 χ^2/NDF: 3043398.7/45

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 328.427+/-0.048 χ^2/NDF:3893344.9/37

Out: 329.006+/-0.047 χ^2/NDF:4262835.0/42

All: 328.723+/-0.034 χ^2/NDF: 8156253.4/80



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:17.6/21

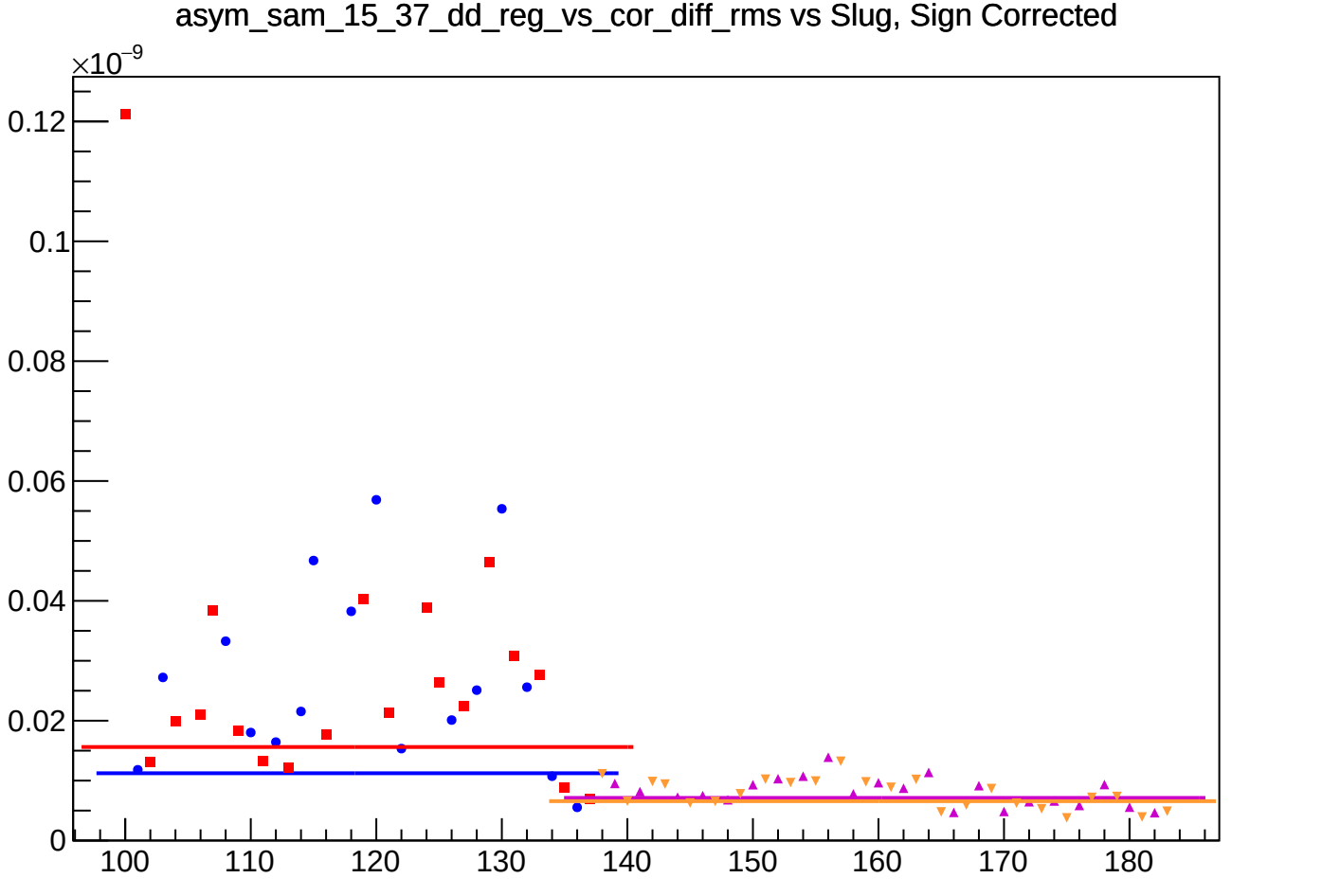
Left: -0.000+/-0.000 χ^2/NDF: 41.9/45

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:47.5/42

All: -0.000+/-0.000 χ^2/NDF: 78.0/80



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1477951.5/23

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: 2492427.3/45

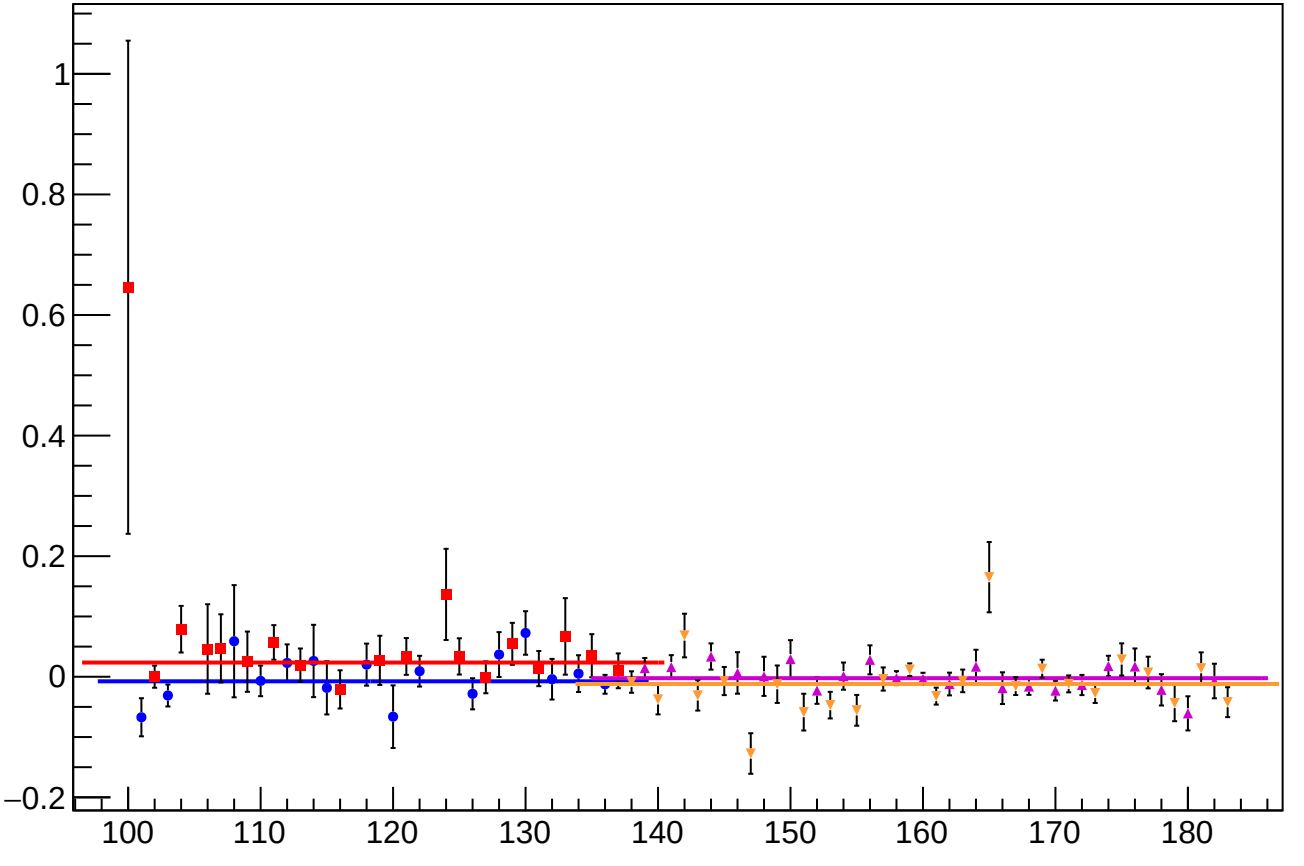
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:3549936.6/37

Out: 0.000+/-0.000 χ^2/NDF:4118244.6/42

All: 0.000+/-0.000 χ^2/NDF: 7697165.7/80

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.0/23

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: 74.8/45

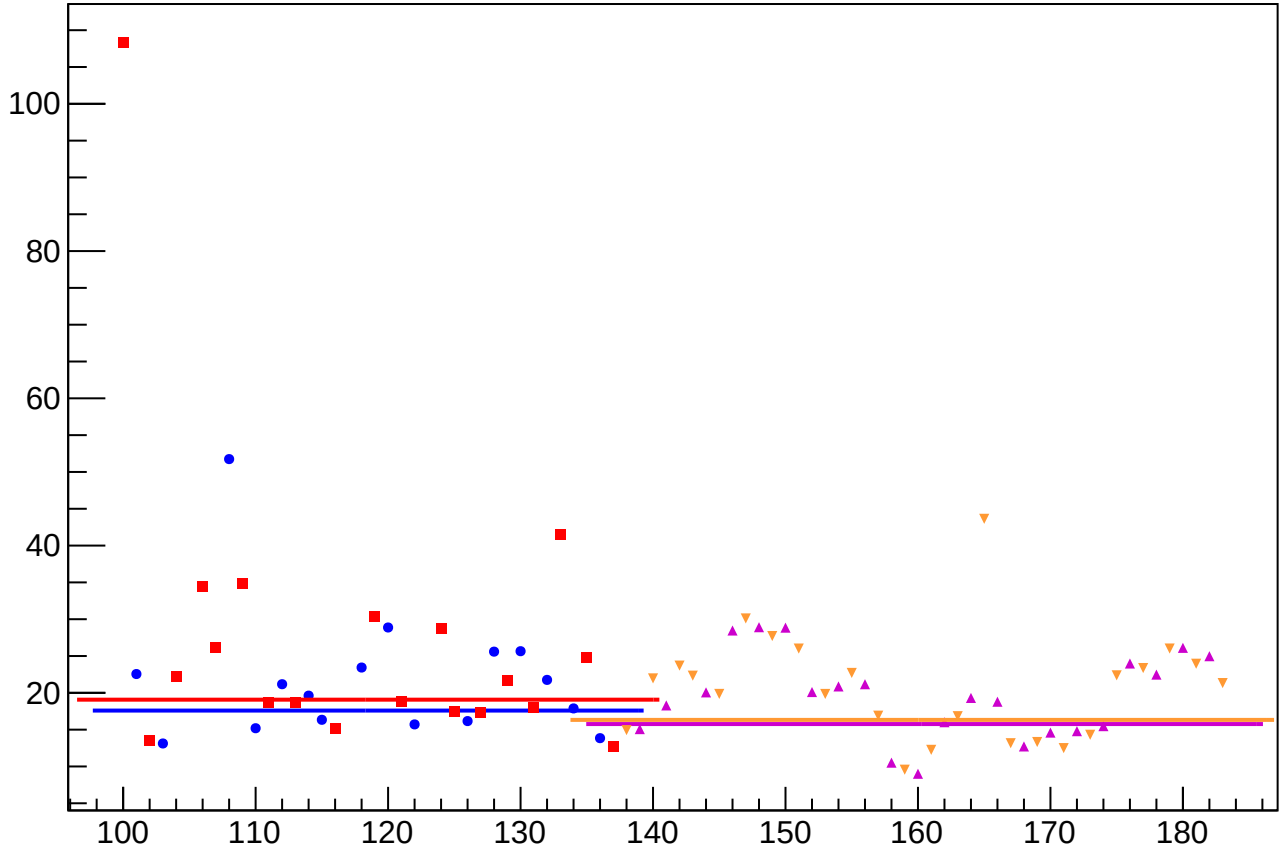
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.1/37

Out: -0.004+/-0.004 χ^2/NDF:84.1/42

All: -0.004+/-0.003 χ^2/NDF: 120.2/80

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.325+/-0.003 χ^2/NDF:3834087.8/23

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.759+/-0.003 χ^2/NDF:3594006.0/21

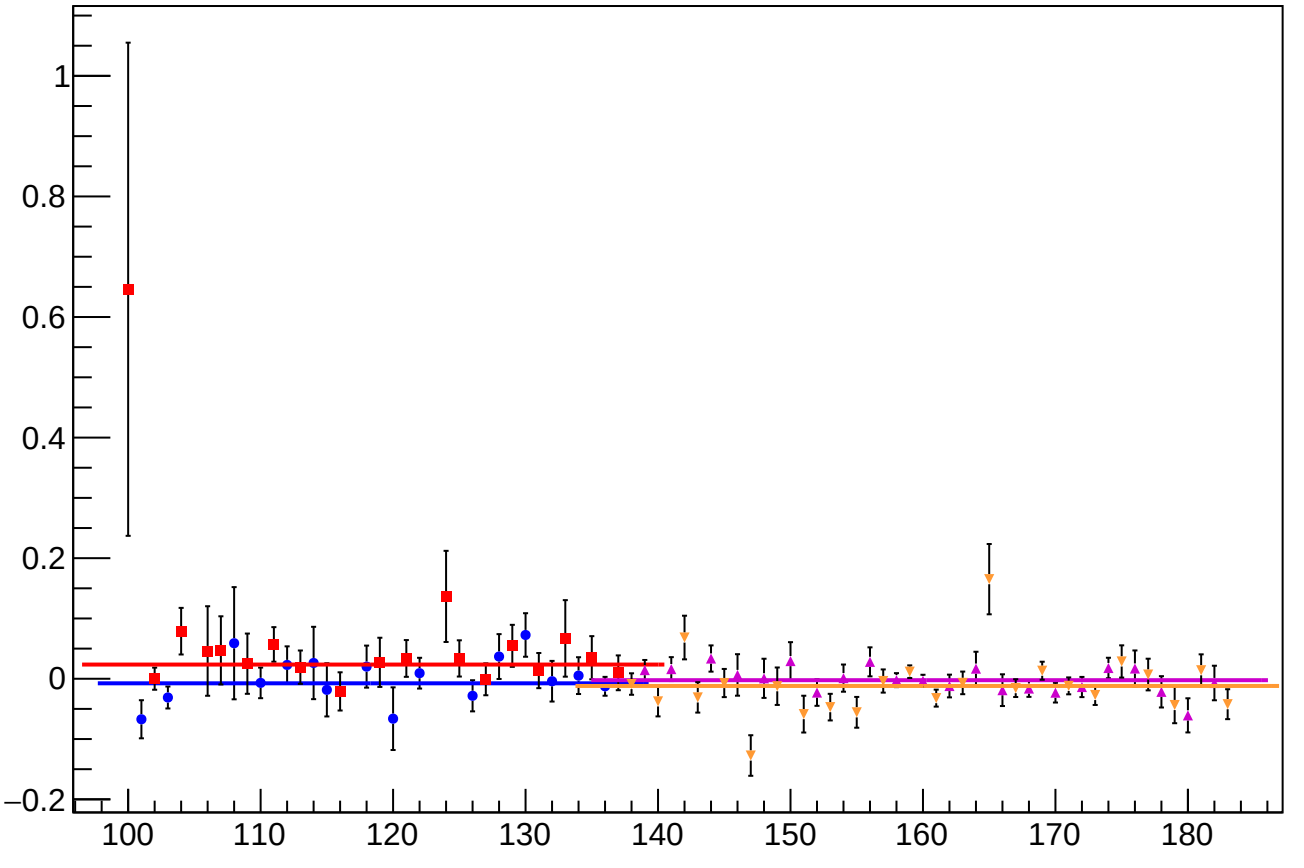
Left: 16.041+/-0.002 χ^2/NDF: 7447545.2/45

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 16.200+/-0.002 χ^2/NDF:4685590.4/37

Out: 16.920+/-0.003 χ^2/NDF:5279197.7/42

All: 16.553+/-0.002 χ^2/NDF: 10005472.3/80



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.0/23

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: 74.8/45

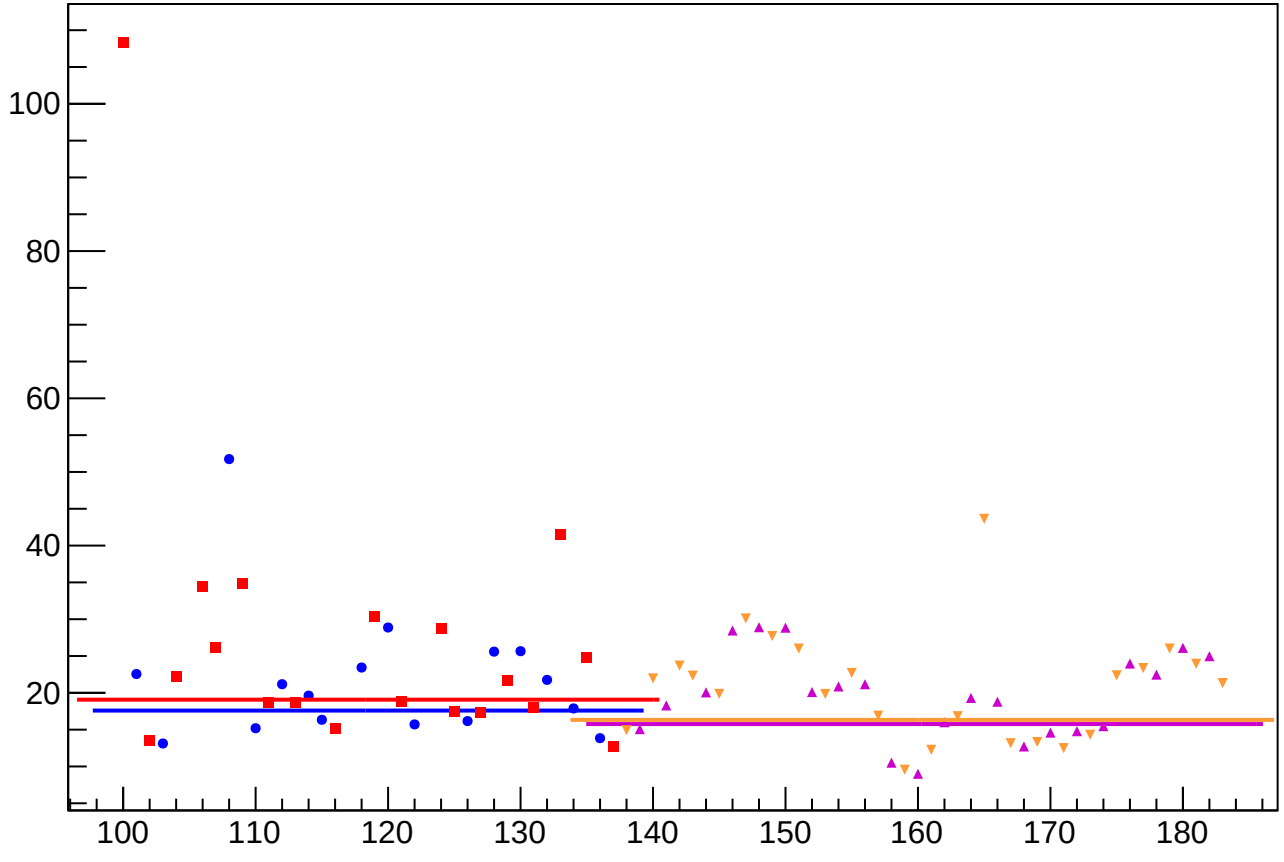
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.1/37

Out: -0.004+/-0.004 χ^2/NDF:84.1/42

All: -0.004+/-0.003 χ^2/NDF: 120.2/80

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: 16.325+/-0.003 χ^2/NDF:3834087.8/23

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: 16.041+/-0.002 χ^2/NDF: 7447545.2/45

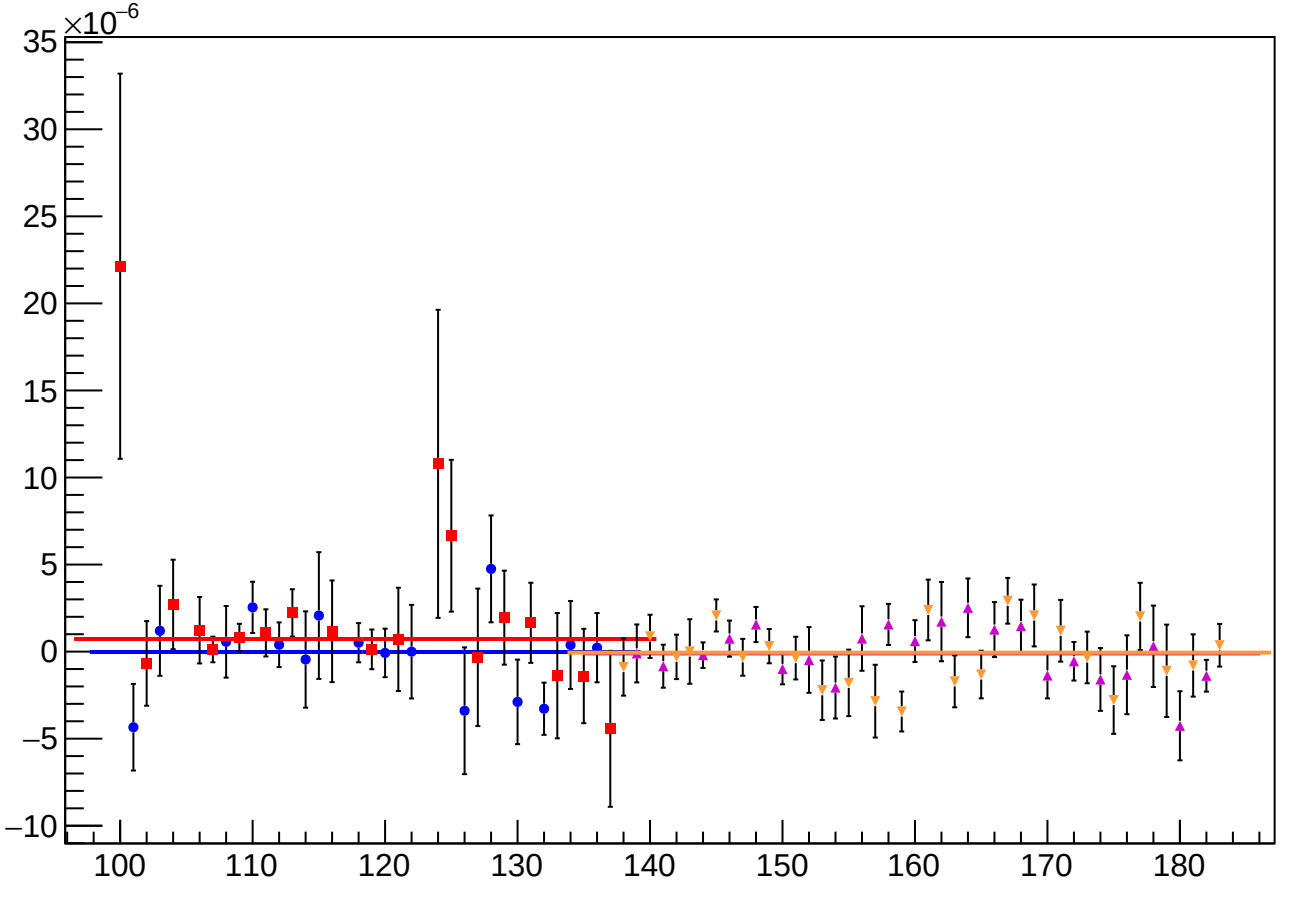
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 16.200+/-0.002 χ^2/NDF:4685590.4/37

Out: 16.920+/-0.003 χ^2/NDF:5279197.7/42

All: 16.553+/-0.002 χ^2/NDF: 10005472.3/80

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:34.2/23

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: 56.1/45

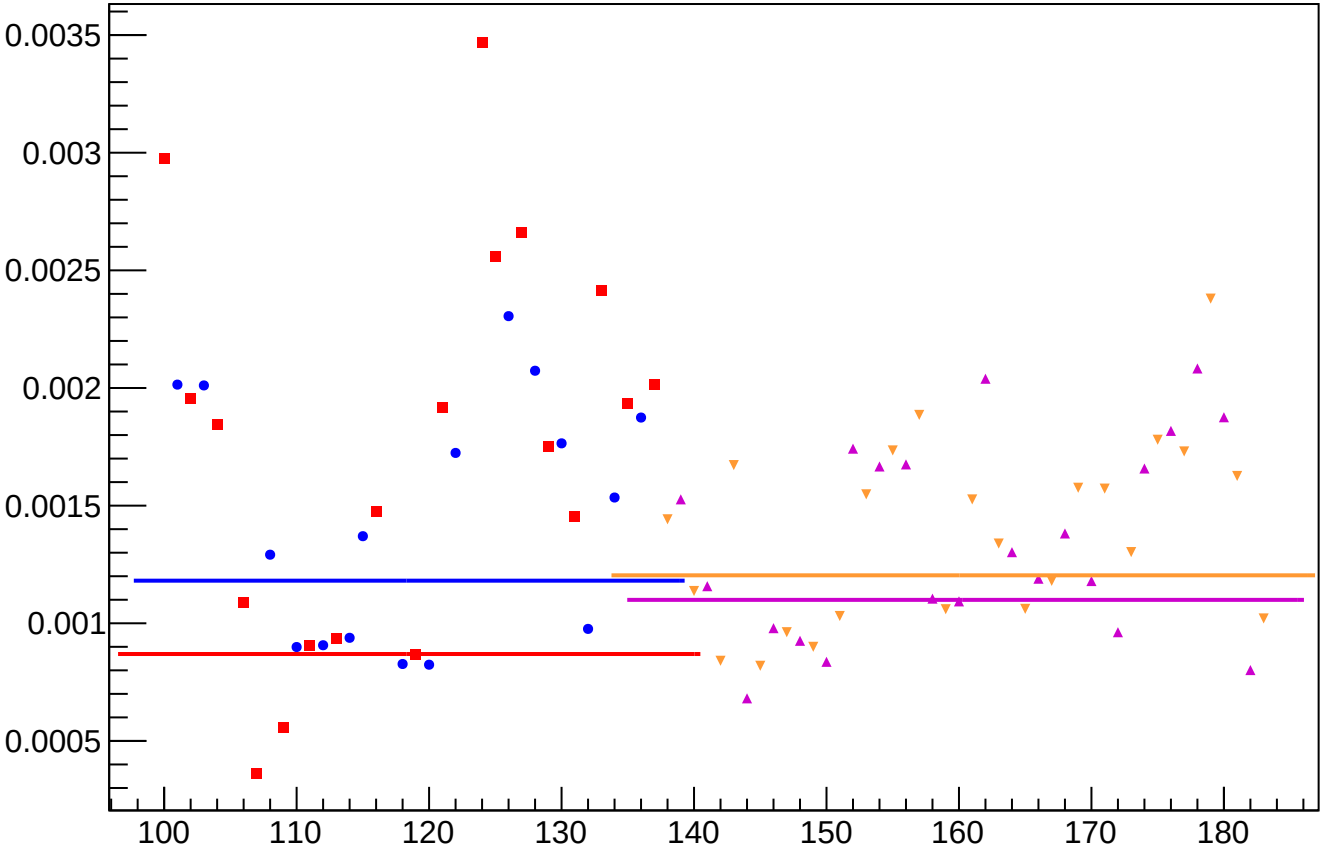
Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:38.4/37

Out: 0.000+/-0.000 χ^2/NDF:49.7/42

All: 0.000+/-0.000 χ^2/NDF: 89.0/80

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2664476.0/23

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: 6229760.5/45

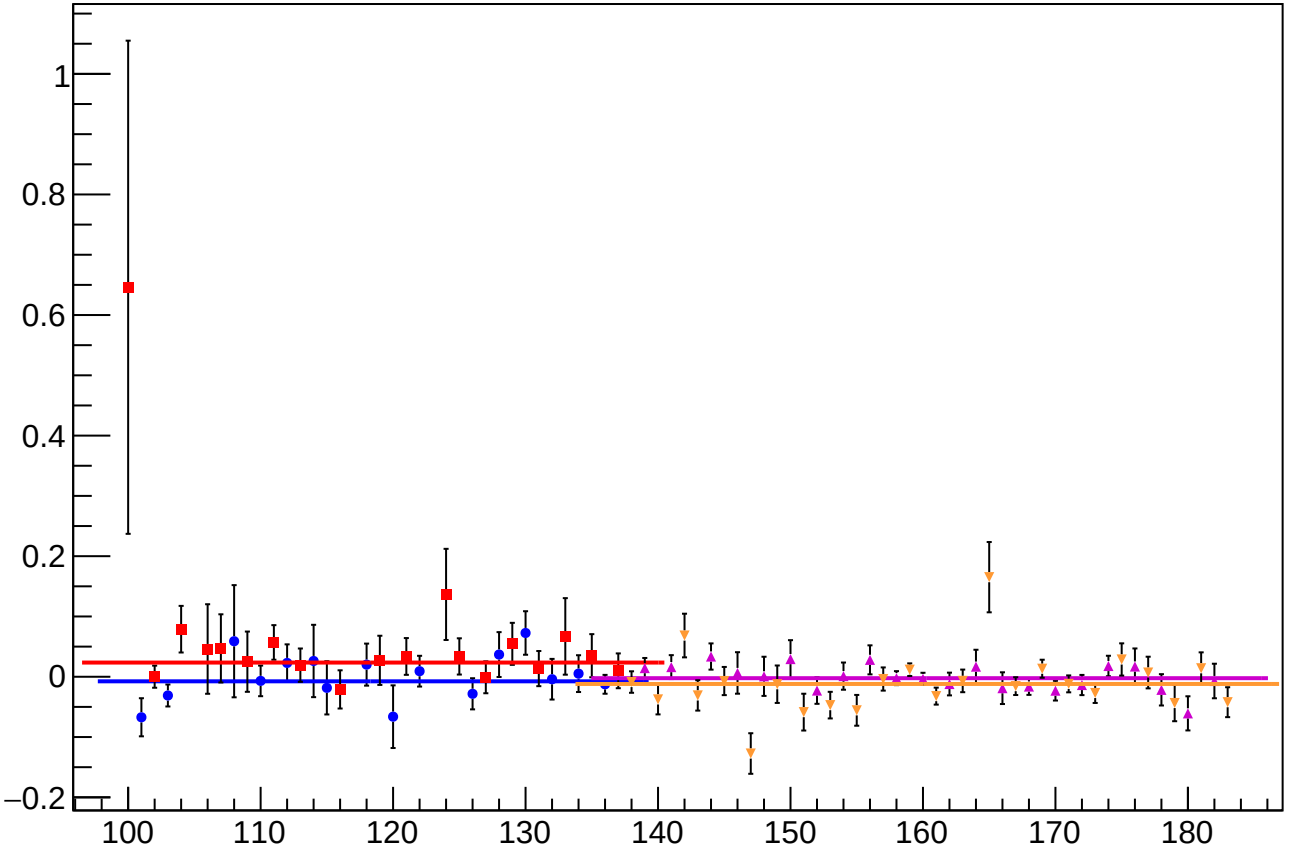
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:5301249.6/37

Out: 0.001+/-0.000 χ^2/NDF:8076250.3/42

All: 0.001+/-0.000 χ^2/NDF: 13404628.8/80

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.0/23

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: 74.8/45

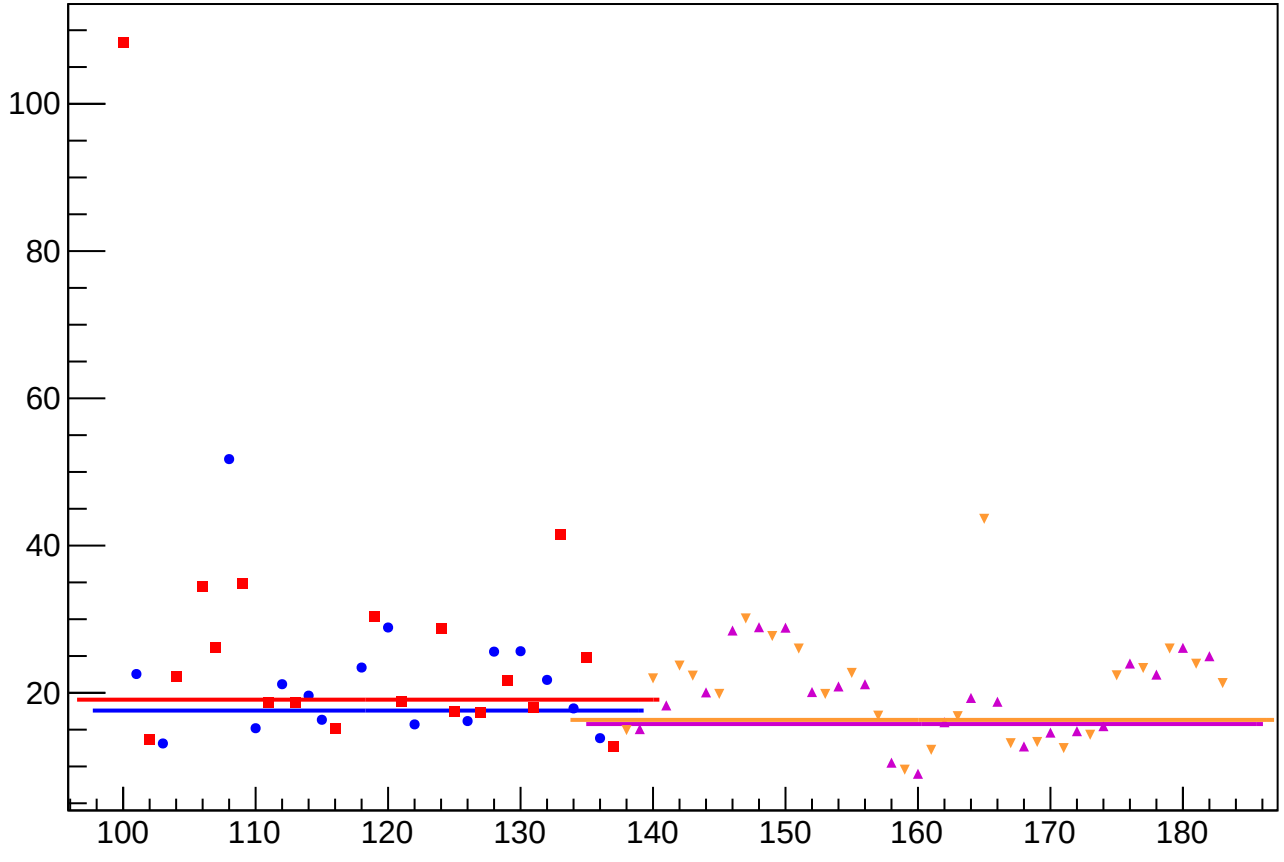
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.1/37

Out: -0.004+/-0.004 χ^2/NDF:84.1/42

All: -0.004+/-0.003 χ^2/NDF: 120.2/80

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: 16.325+/-0.003 χ^2/NDF:3834334.3/23

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.758+/-0.003 χ^2/NDF:3594372.5/21

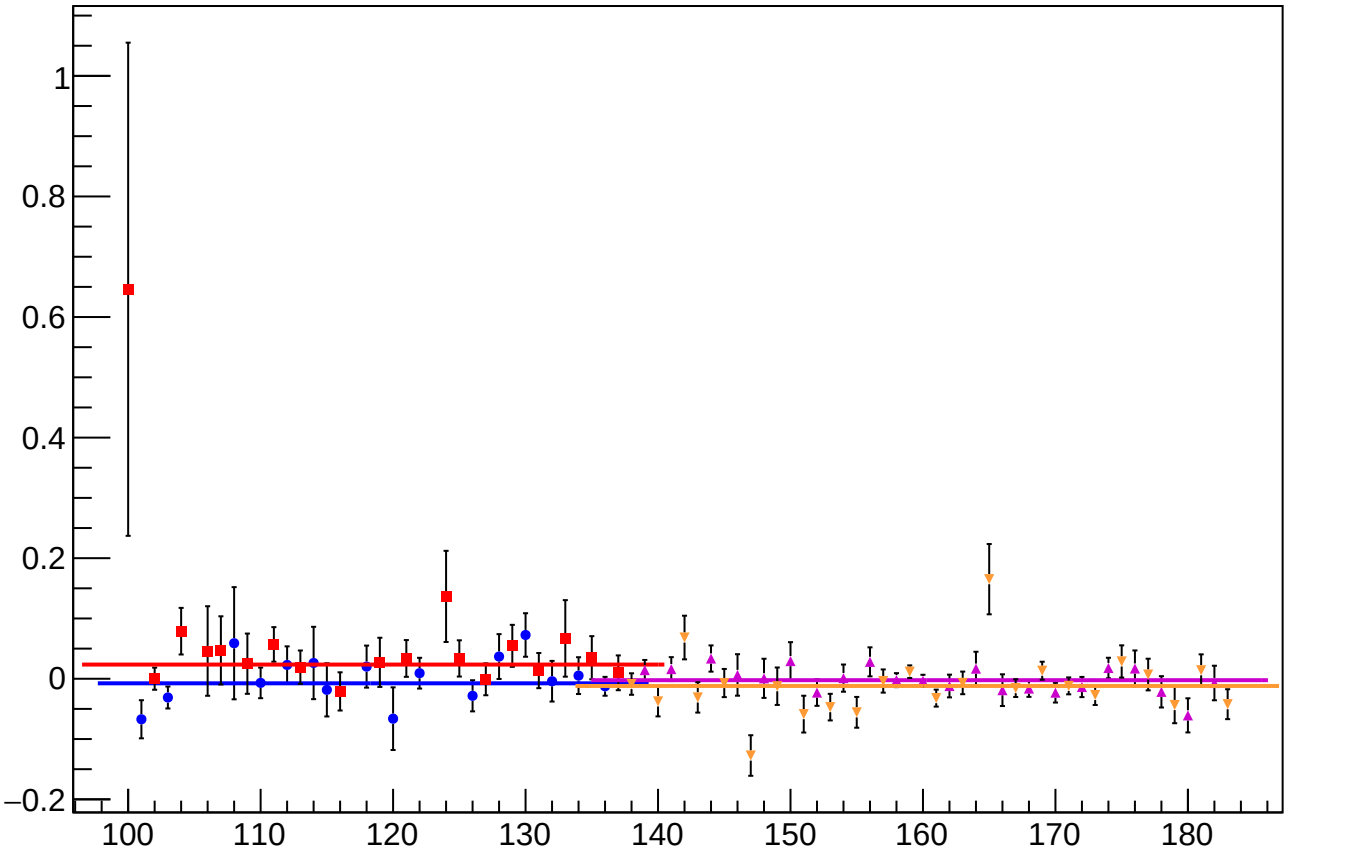
Left: 16.041+/-0.002 χ^2/NDF: 7448162.5/45

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 16.200+/-0.002 χ^2/NDF:4686030.2/37

Out: 16.920+/-0.003 χ^2/NDF:5279442.4/42

All: 16.553+/-0.002 χ^2/NDF: 10006167.2/80



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.0/23

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: 74.8/45

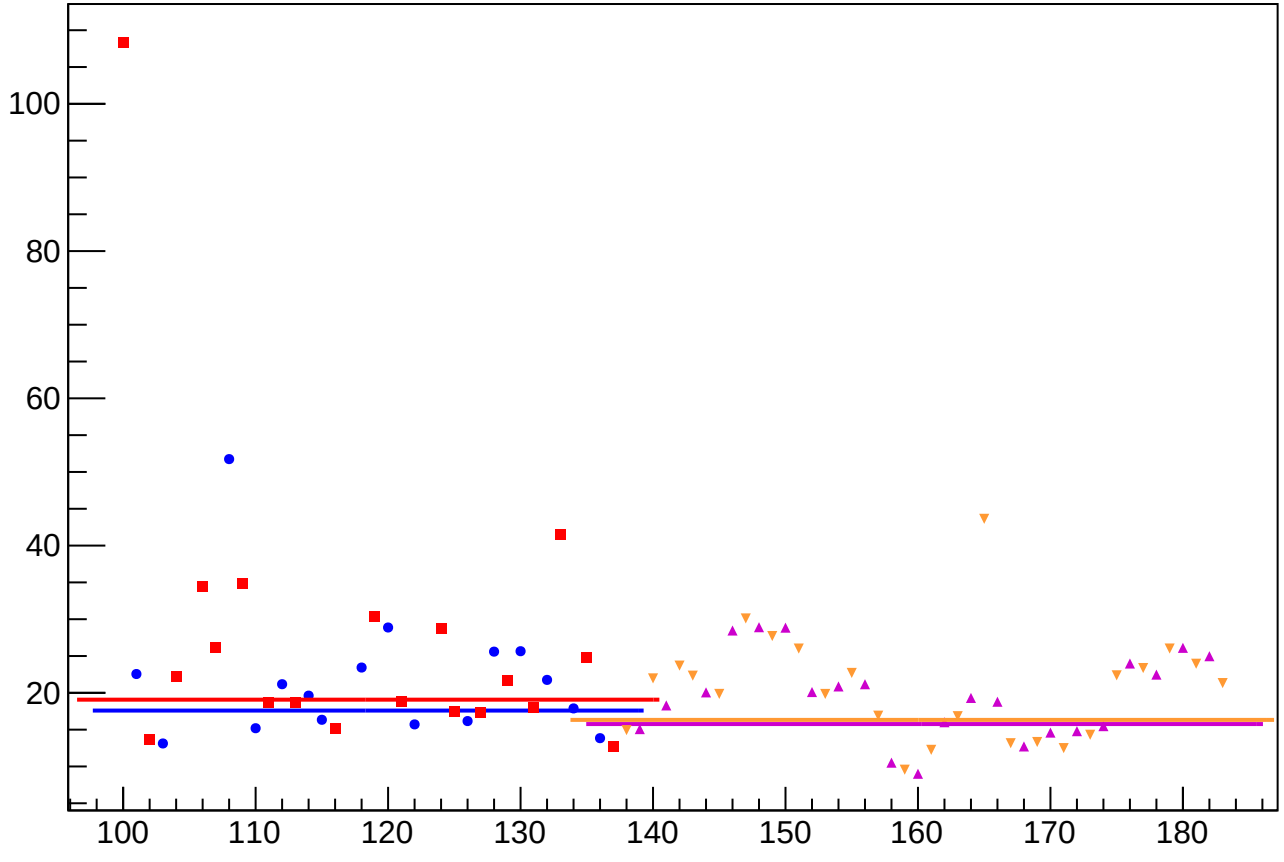
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.1/37

Out: -0.004+/-0.004 χ^2/NDF:84.1/42

All: -0.004+/-0.003 χ^2/NDF: 120.2/80

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: 16.325+/-0.003 χ^2/NDF:3834334.3/23

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.758+/-0.003 χ^2/NDF:3594372.5/21

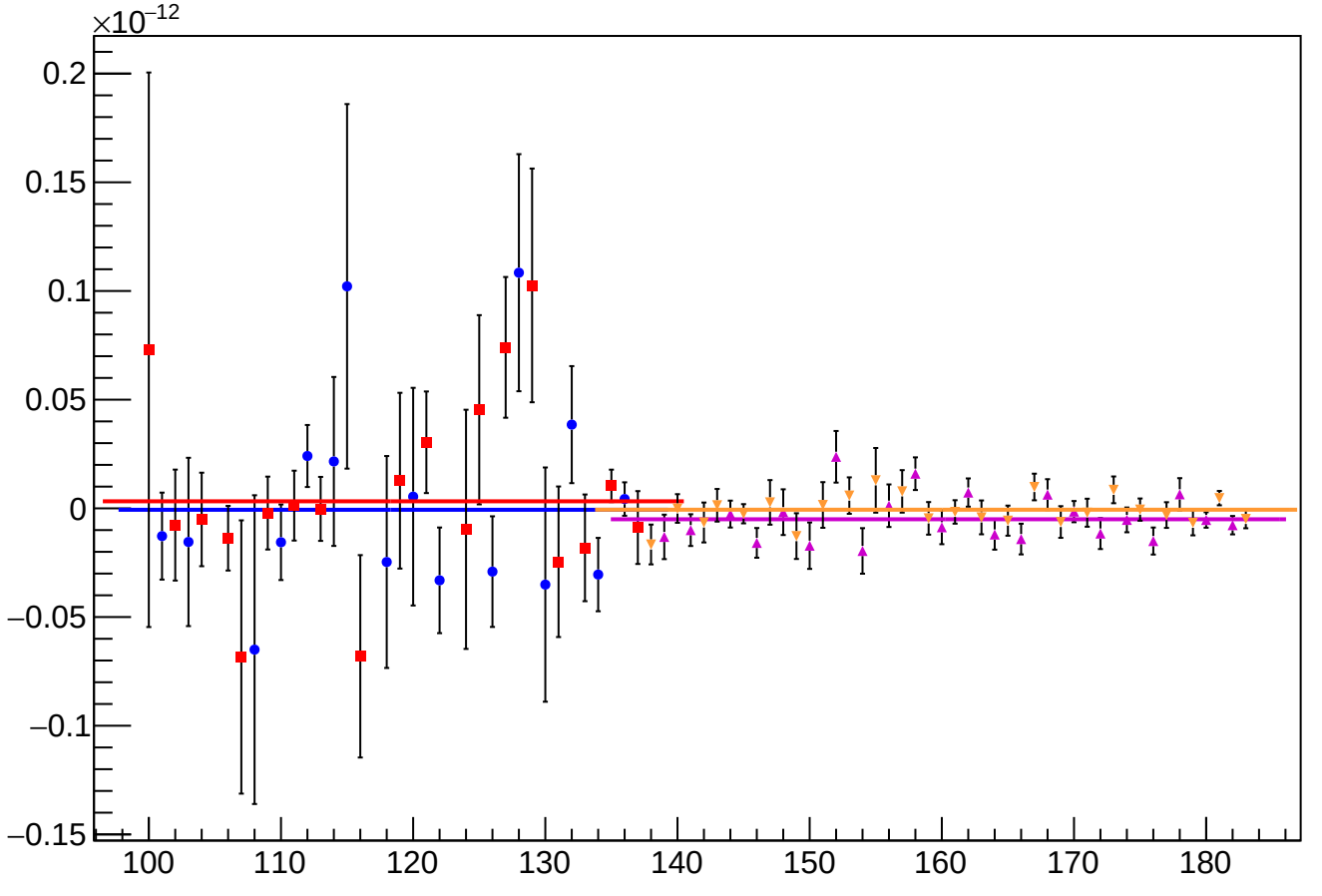
Left: 16.041+/-0.002 χ^2/NDF: 7448162.5/45

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 16.200+/-0.002 χ^2/NDF:4686030.2/37

Out: 16.920+/-0.003 χ^2/NDF:5279442.4/42

All: 16.553+/-0.002 χ^2/NDF: 10006167.2/80



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/23

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: 61.3/45

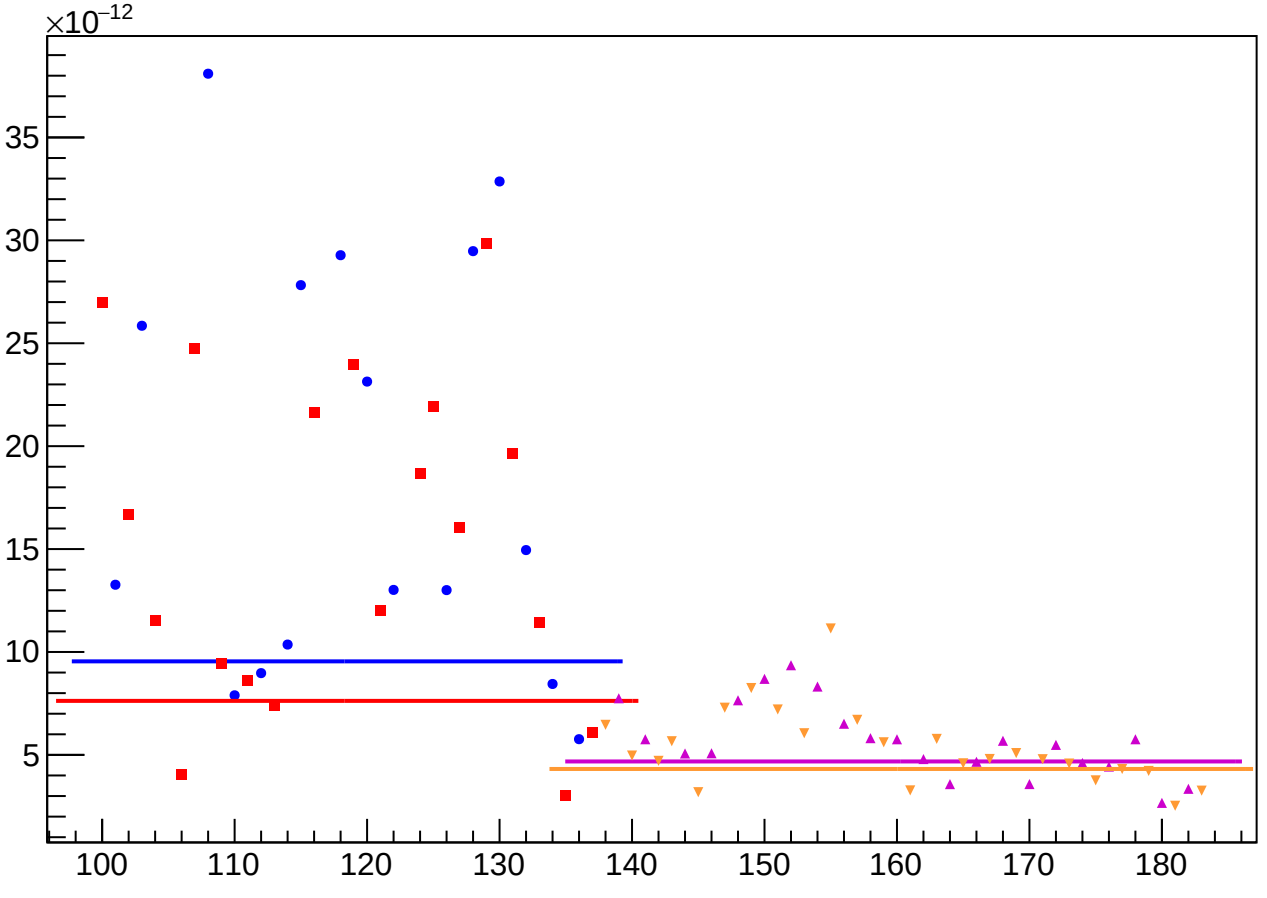
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:57.9/37

Out: -0.000+/-0.000 χ^2/NDF:38.9/42

All: -0.000+/-0.000 χ^2/NDF: 102.6/80

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:2541986.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2488687.8/21

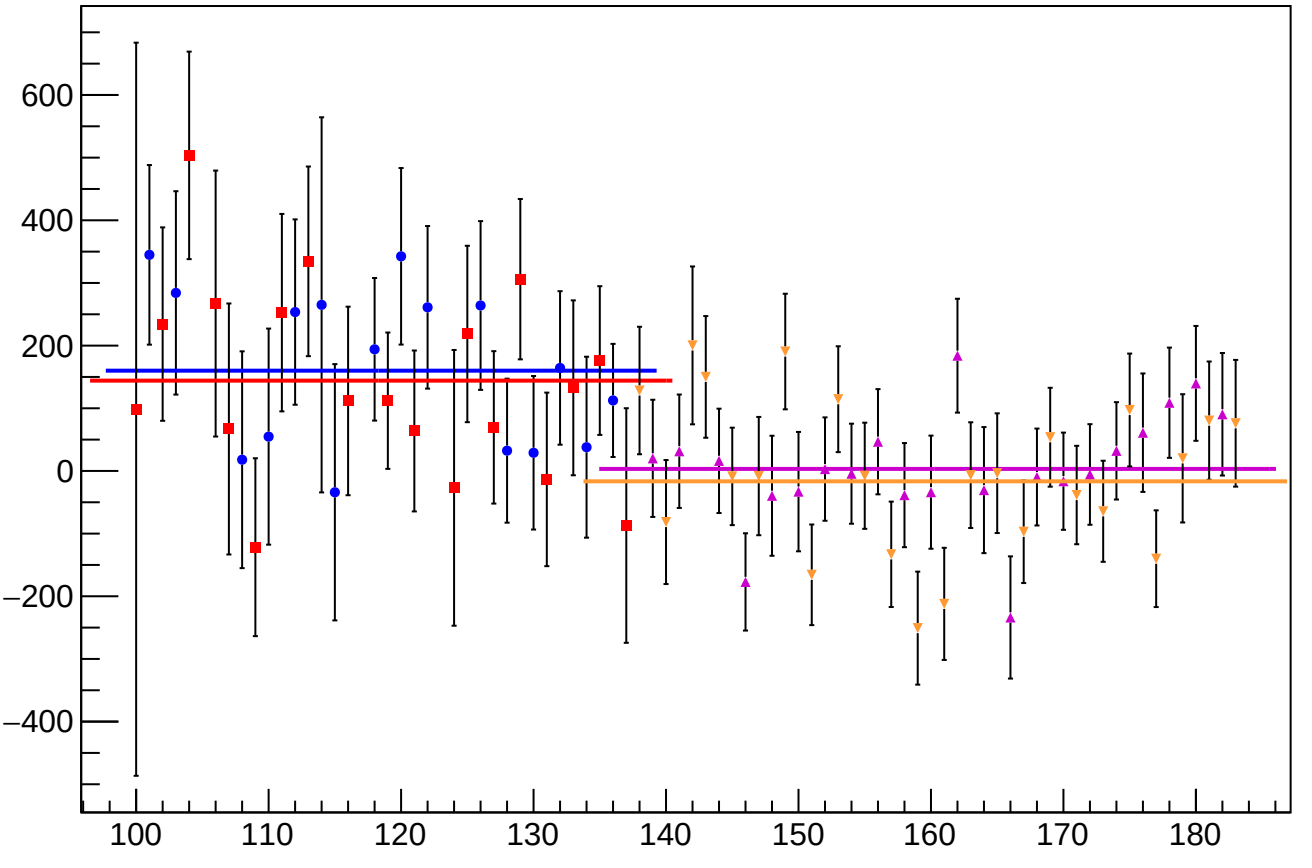
Left: 0.000+/-0.000 χ^2/NDF: 5104234.9/45

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:6632723.0/42

All: 0.000+/-0.000 χ^2/NDF: 13590265.4/80



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -16.574+/-18.078 χ^2/NDF:41.2/23

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: -6.888+/-12.928 χ^2/NDF: 63.4/45

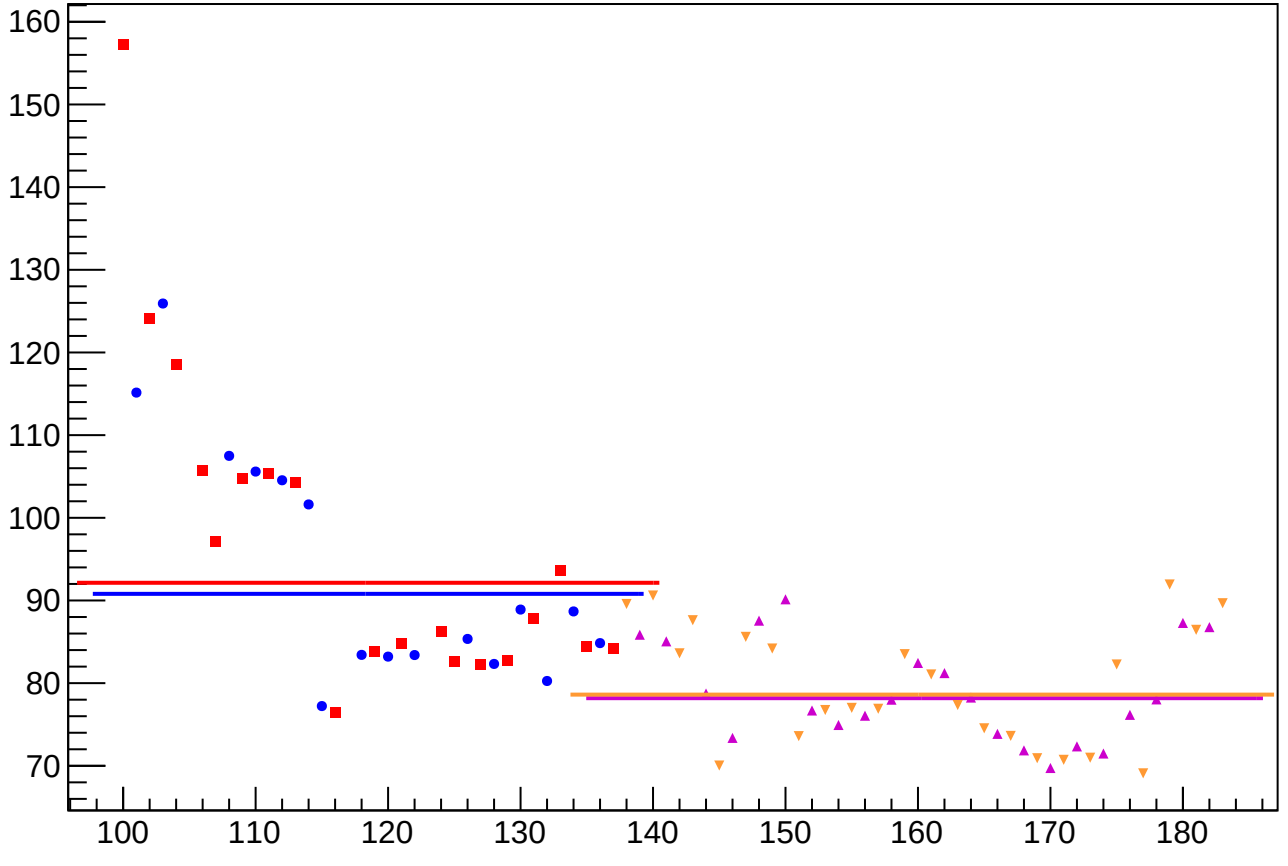
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 38.771+/-16.265 χ^2/NDF:49.0/37

Out: 18.499+/-15.984 χ^2/NDF:75.8/42

All: 28.459+/-11.400 χ^2/NDF: 125.6/80

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: 78.613+/-0.013 χ^2/NDF:307224.1/23

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 78.181+/-0.013 χ^2/NDF:197875.1/21

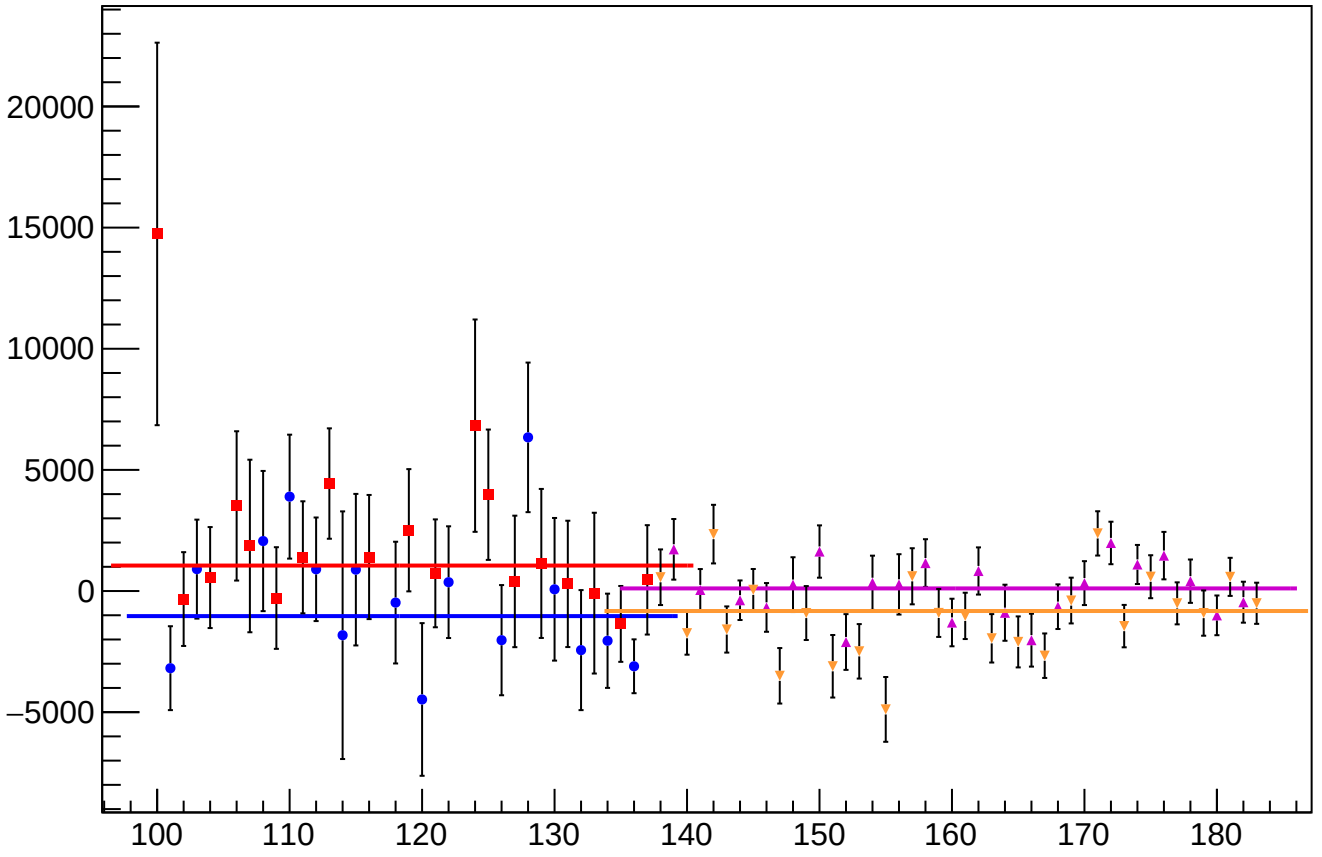
Left: 78.402+/-0.009 χ^2/NDF: 505657.2/45

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 81.041+/-0.012 χ^2/NDF:681650.4/37

Out: 81.566+/-0.011 χ^2/NDF:853692.2/42

All: 81.308+/-0.008 χ^2/NDF: 1536403.1/80



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -825.019+/-199.927 χ^2/NDF:58.5/23

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 107.746+/-206.584 χ^2/NDF:27.8/21

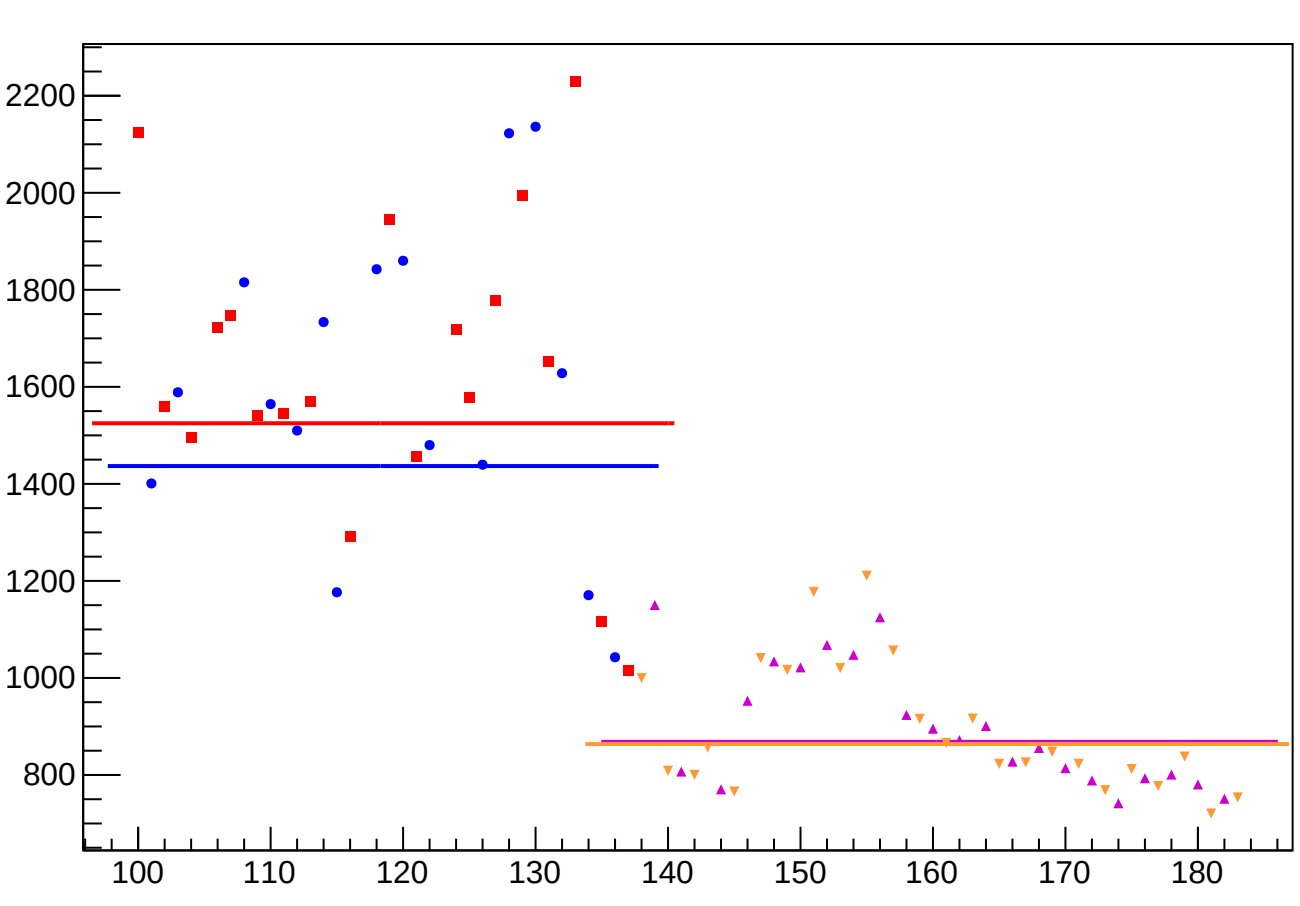
Left: -373.907+/-143.666 χ^2/NDF: 96.9/45

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -33.452+/-193.401 χ^2/NDF:51.9/37

Out: -618.762+/-188.620 χ^2/NDF:81.1/42

All: -333.431+/-135.033 χ^2/NDF: 137.6/80



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 863.707+/-0.141 χ^2/NDF:673824.3/23

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 868.288+/-0.146 χ^2/NDF:604760.1/21

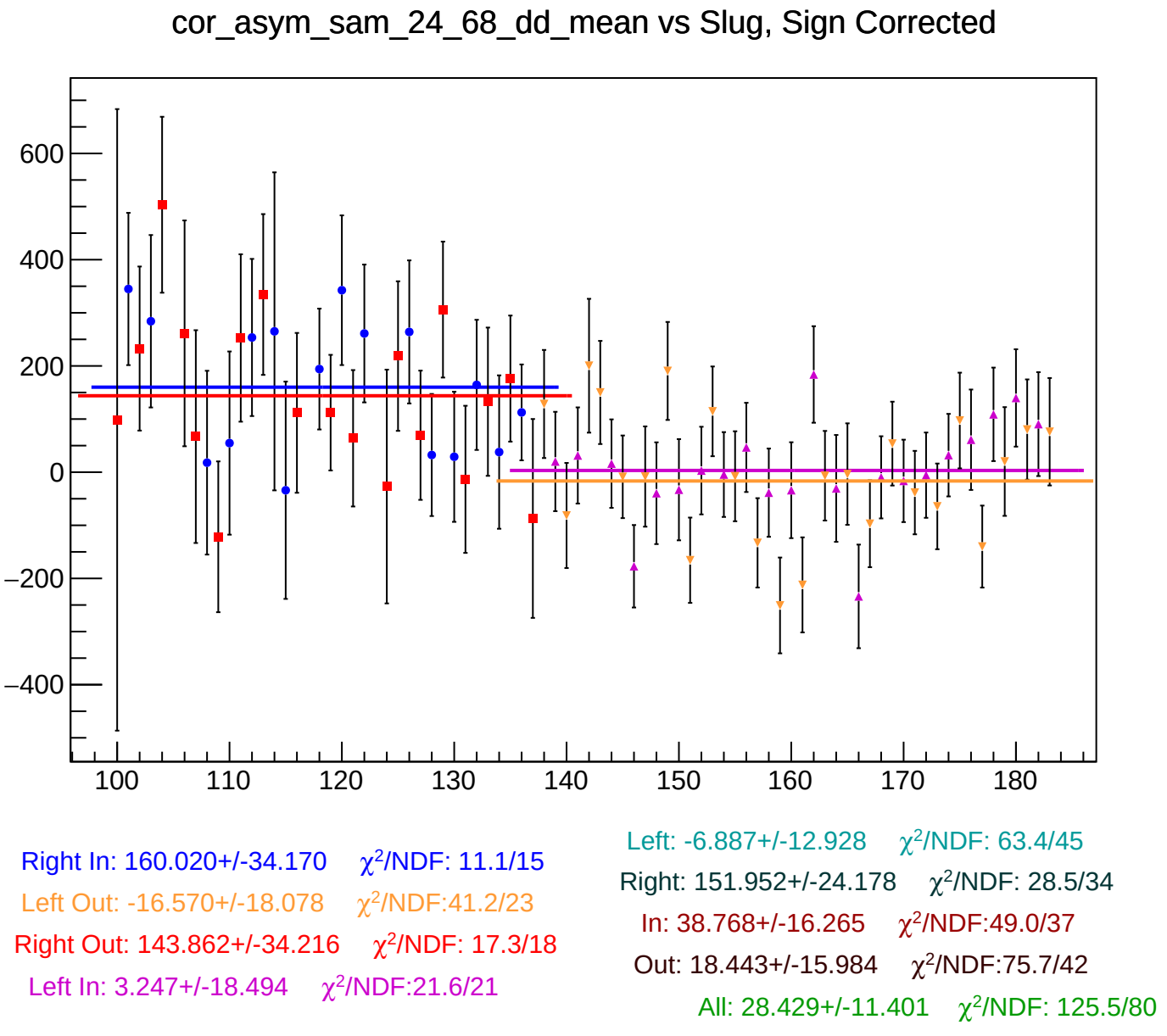
Left: 865.922+/-0.102 χ^2/NDF: 1279092.3/45

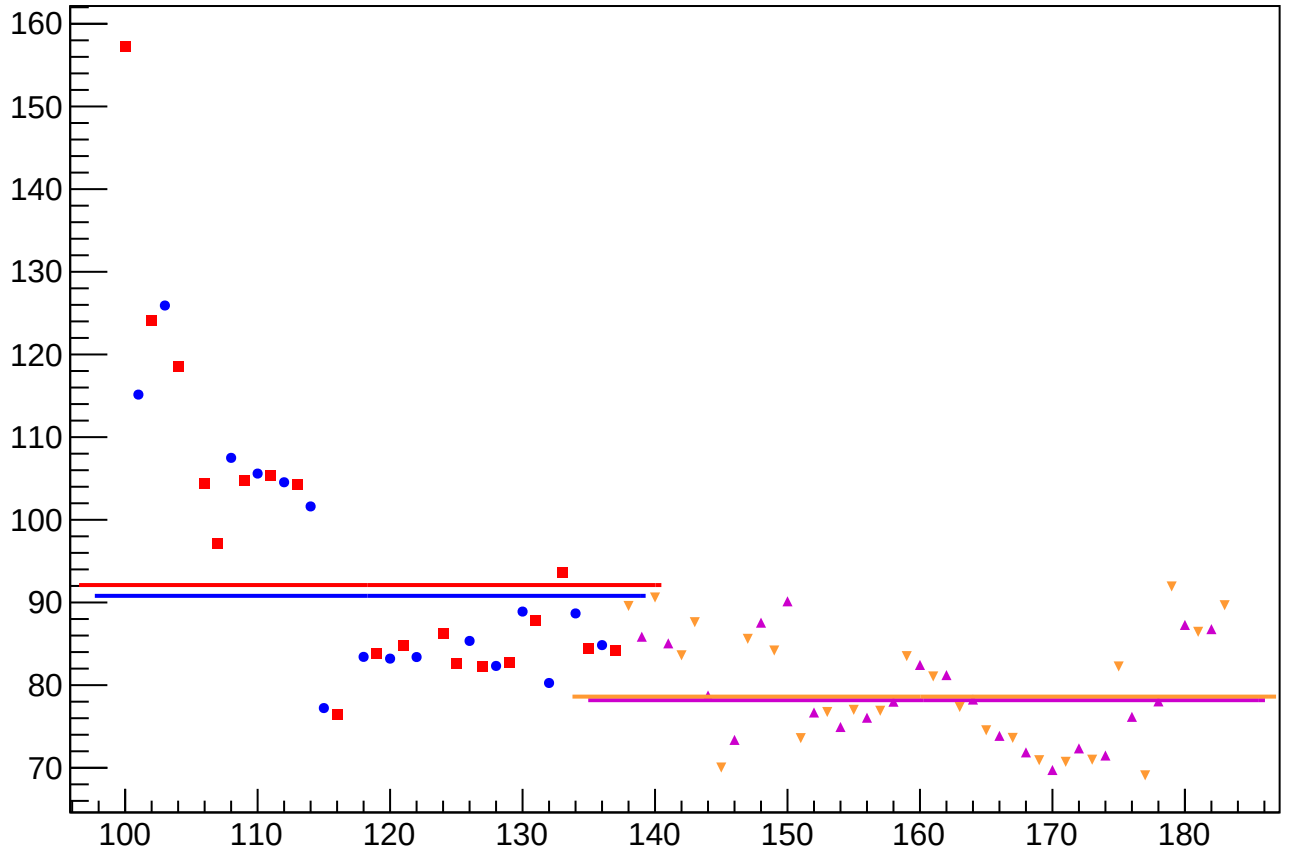
Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 938.523+/-0.137 χ^2/NDF:3151460.9/37

Out: 936.387+/-0.133 χ^2/NDF:3583121.1/42

All: 937.428+/-0.095 χ^2/NDF: 6734707.2/80


cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
Right In: 160.020+/-34.170 χ²/NDF: 11.1/15
Left Out: -16.570+/-18.078 χ²/NDF:41.2/23
Right Out: 143.862+/-34.216 χ²/NDF: 17.3/18
Left In: 3.247+/-18.494 χ²/NDF:21.6/21
Left: -6.887+/-12.928 χ²/NDF: 63.4/45
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 38.768+/-16.265 χ²/NDF:49.0/37
Out: 18.443+/-15.984 χ²/NDF:75.7/42
All: 28.429+/-11.401 χ²/NDF: 125.5/80



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.613+/-0.013 χ^2/NDF:307224.1/23

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 78.181+/-0.013 χ^2/NDF:197875.1/21

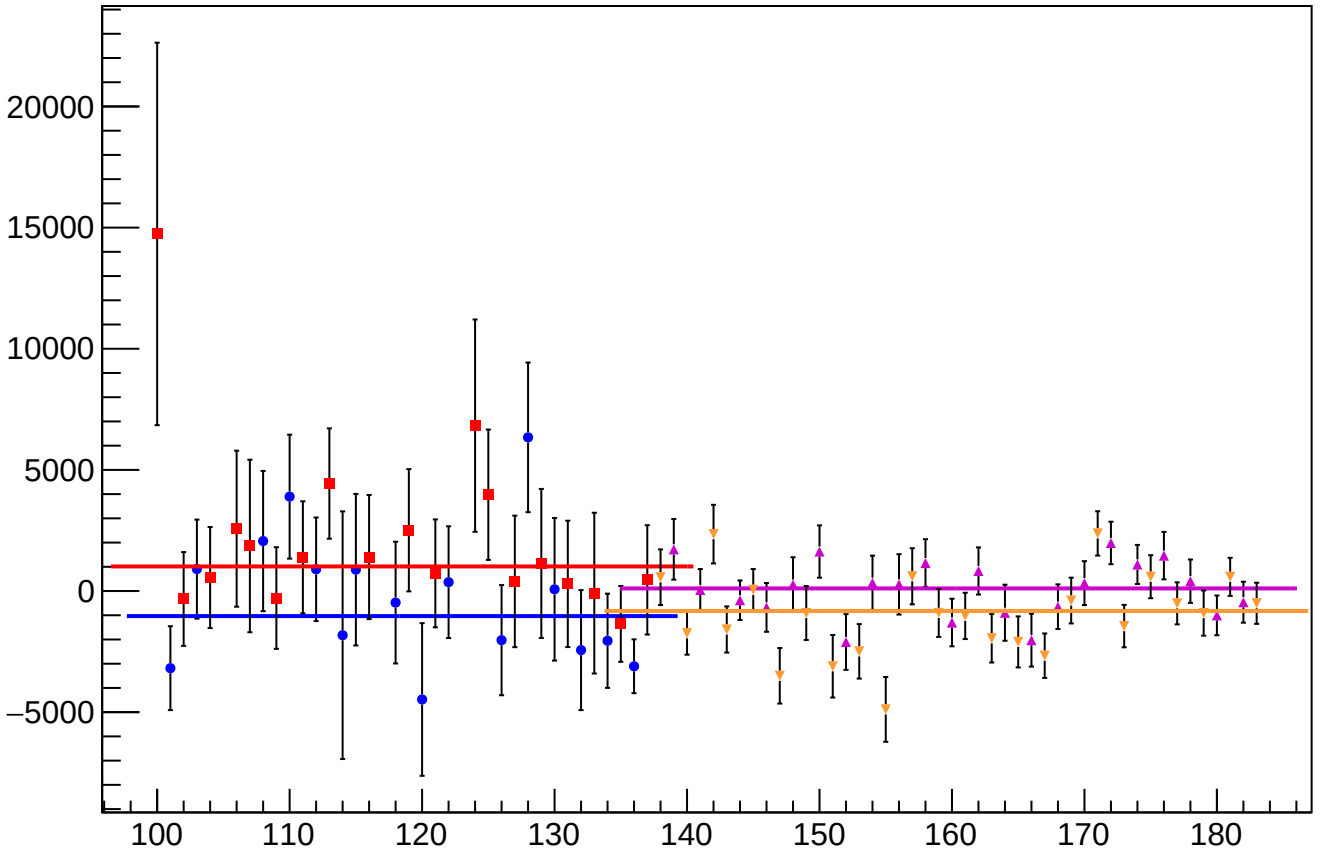
Left: 78.402+/-0.009 χ^2/NDF: 505657.2/45

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 81.041+/-0.012 χ^2/NDF:681652.4/37

Out: 81.558+/-0.011 χ^2/NDF:851209.9/42

All: 81.304+/-0.008 χ^2/NDF: 1533892.7/80



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -825.016+/-199.927 χ^2/NDF:58.5/23

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 107.747+/-206.584 χ^2/NDF:27.8/21

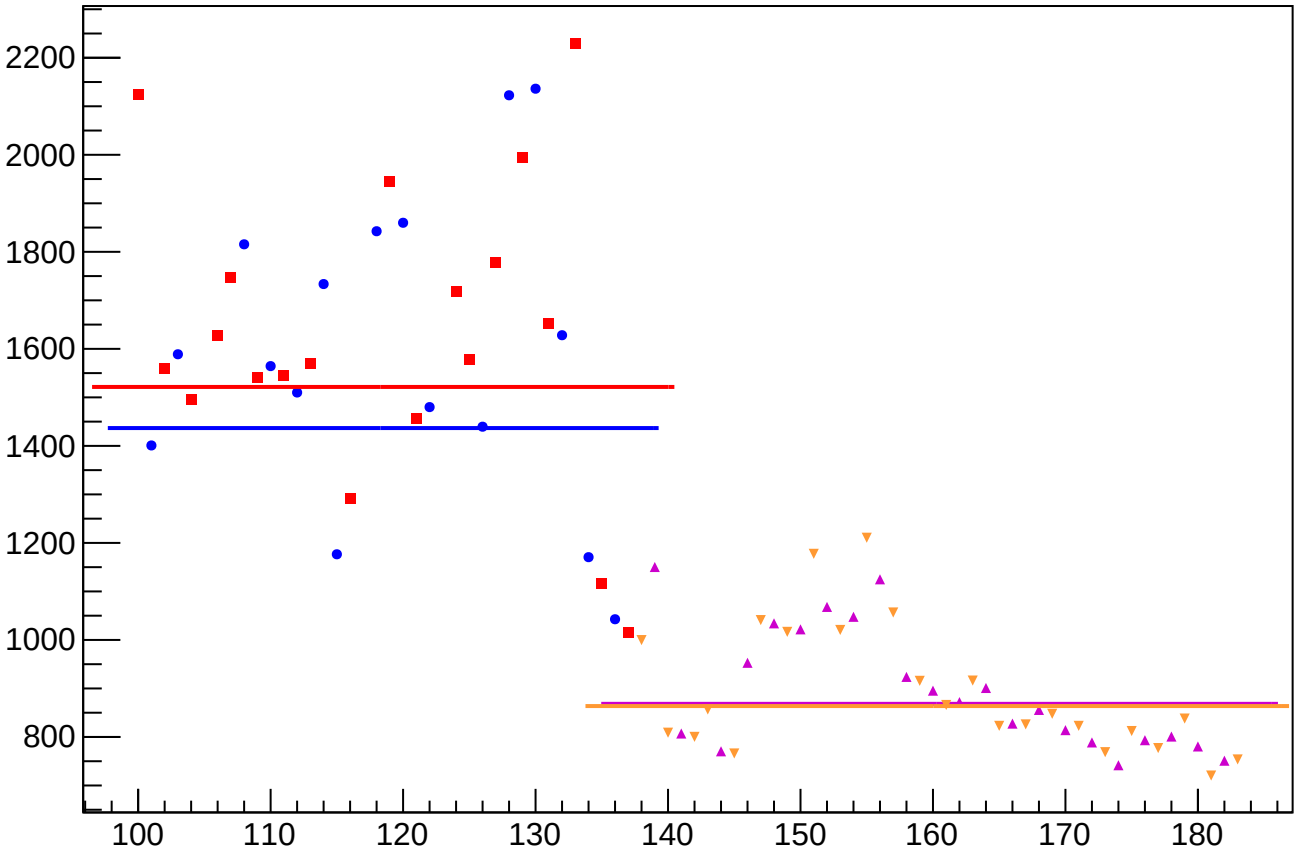
Left: -373.906+/-143.666 χ^2/NDF: 96.9/45

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -33.447+/-193.401 χ^2/NDF:51.9/37

Out: -623.260+/-188.651 χ^2/NDF:80.3/42

All: -335.687+/-135.044 χ^2/NDF: 136.9/80



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 863.707+/-0.141 χ^2/NDF:673823.1/23

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 868.288+/-0.146 χ^2/NDF:604758.1/21

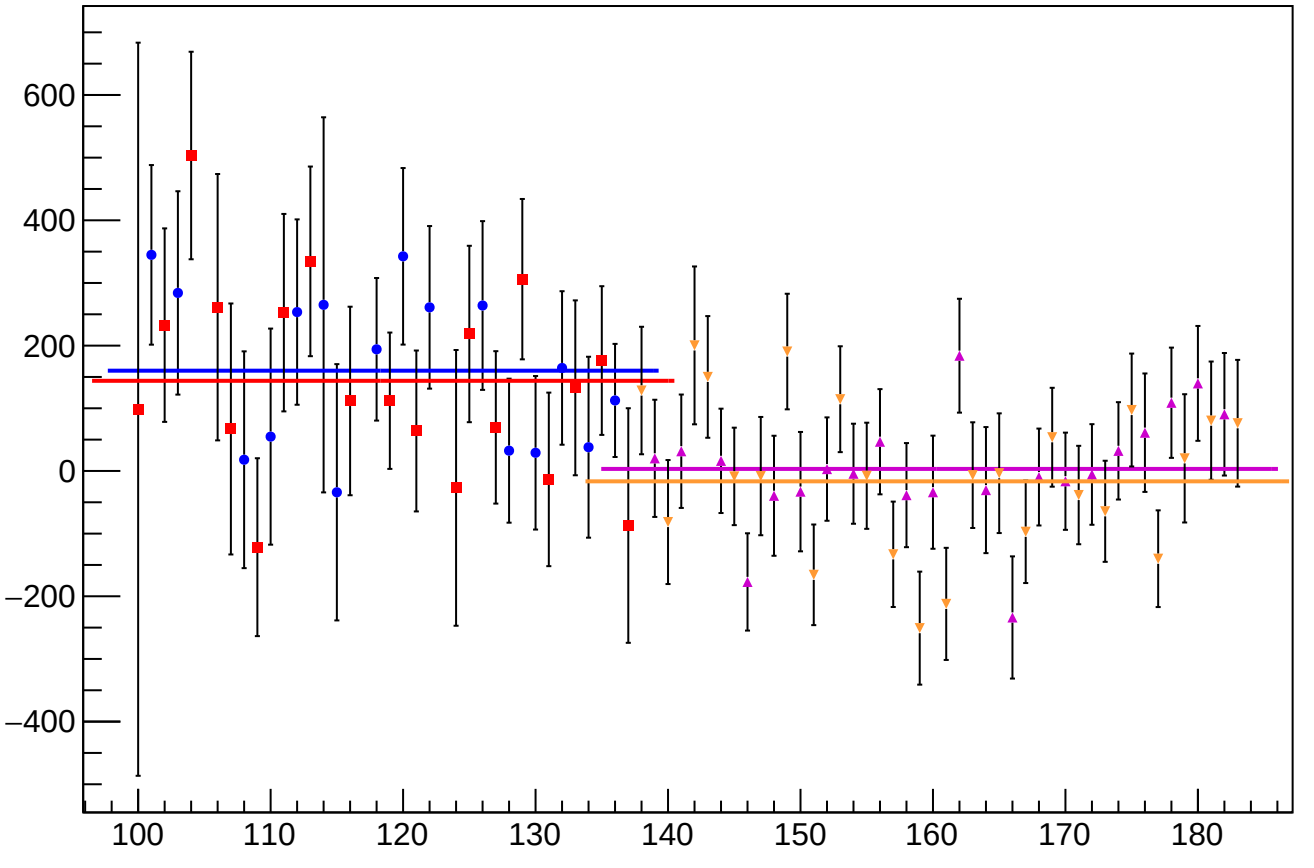
Left: 865.923+/-0.102 χ^2/NDF: 1279089.2/45

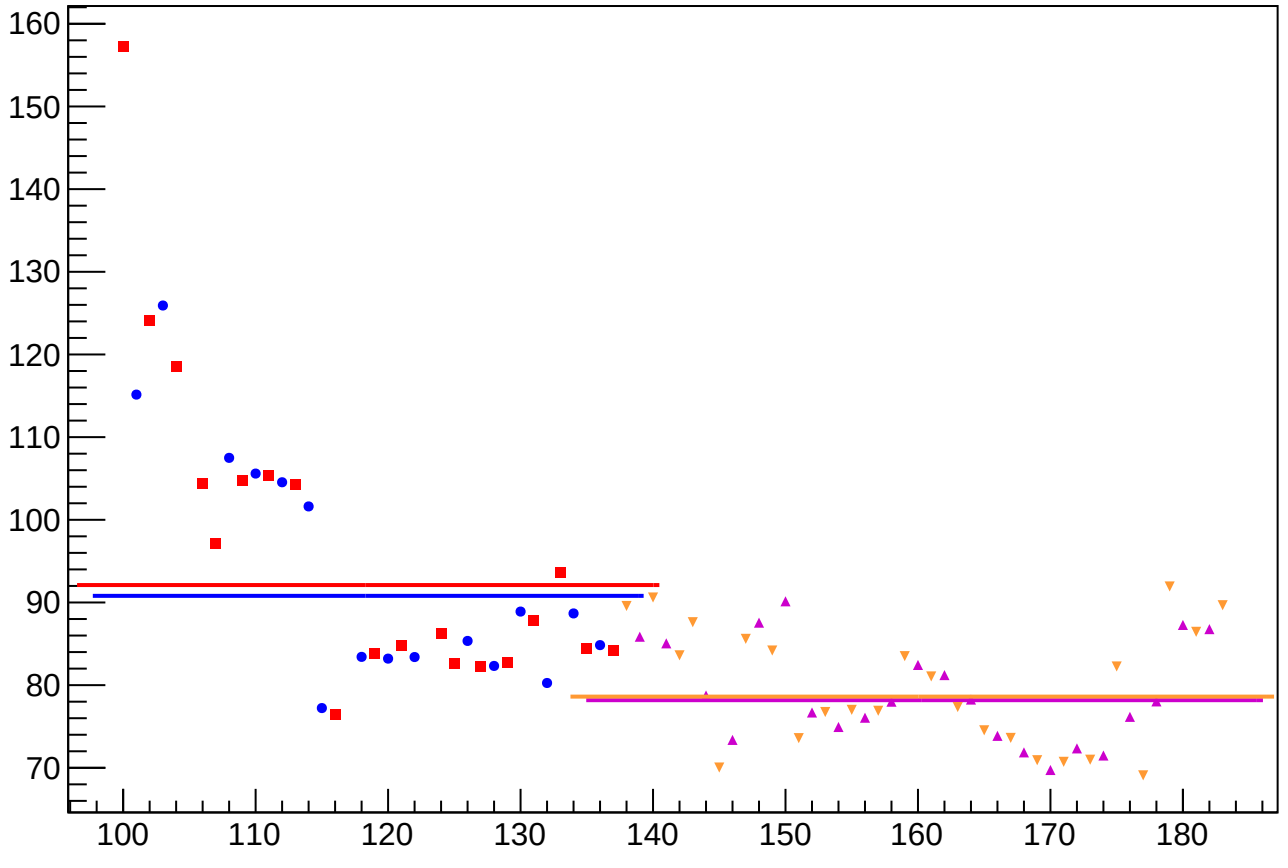
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 938.524+/-0.137 χ^2/NDF:3151478.3/37

Out: 935.818+/-0.133 χ^2/NDF:3545597.8/42

All: 937.137+/-0.095 χ^2/NDF: 6697276.8/80


eigen_cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
Right In: 160.020+/-34.170 χ²/NDF: 11.1/15
Left Out: -16.570+/-18.078 χ²/NDF:41.2/23
Right Out: 143.862+/-34.216 χ²/NDF: 17.3/18
Left In: 3.247+/-18.494 χ²/NDF:21.6/21
Left: -6.887+/-12.928 χ²/NDF: 63.4/45
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 38.768+/-16.265 χ²/NDF:49.0/37
Out: 18.443+/-15.984 χ²/NDF:75.7/42
All: 28.429+/-11.401 χ²/NDF: 125.5/80



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.613+/-0.013 χ^2/NDF:307224.1/23

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 78.181+/-0.013 χ^2/NDF:197875.1/21

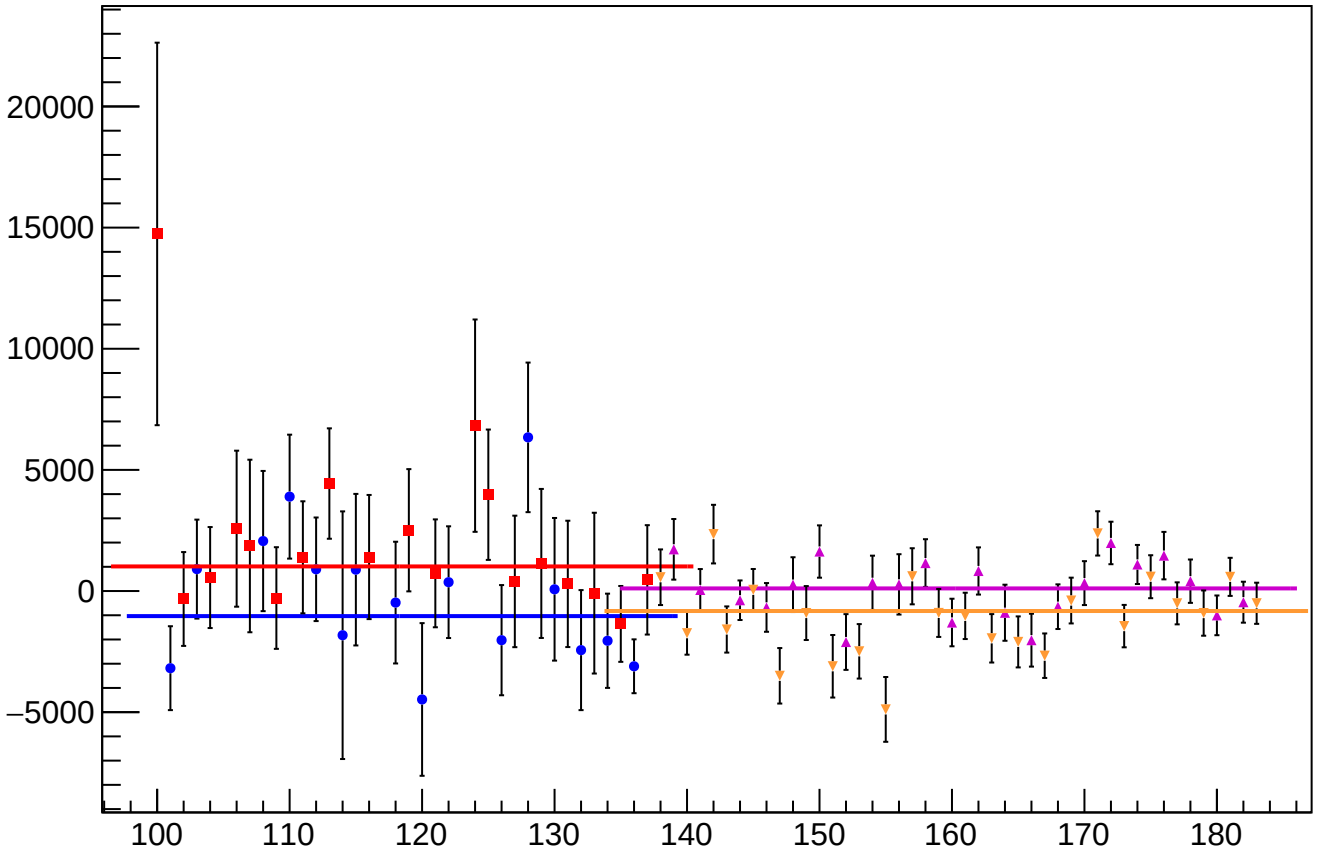
Left: 78.402+/-0.009 χ^2/NDF: 505657.2/45

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 81.041+/-0.012 χ^2/NDF:681652.4/37

Out: 81.558+/-0.011 χ^2/NDF:851209.9/42

All: 81.304+/-0.008 χ^2/NDF: 1533892.7/80



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -825.016+/-199.927 χ^2/NDF:58.5/23

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: -373.906+/-143.666 χ^2/NDF: 96.9/45

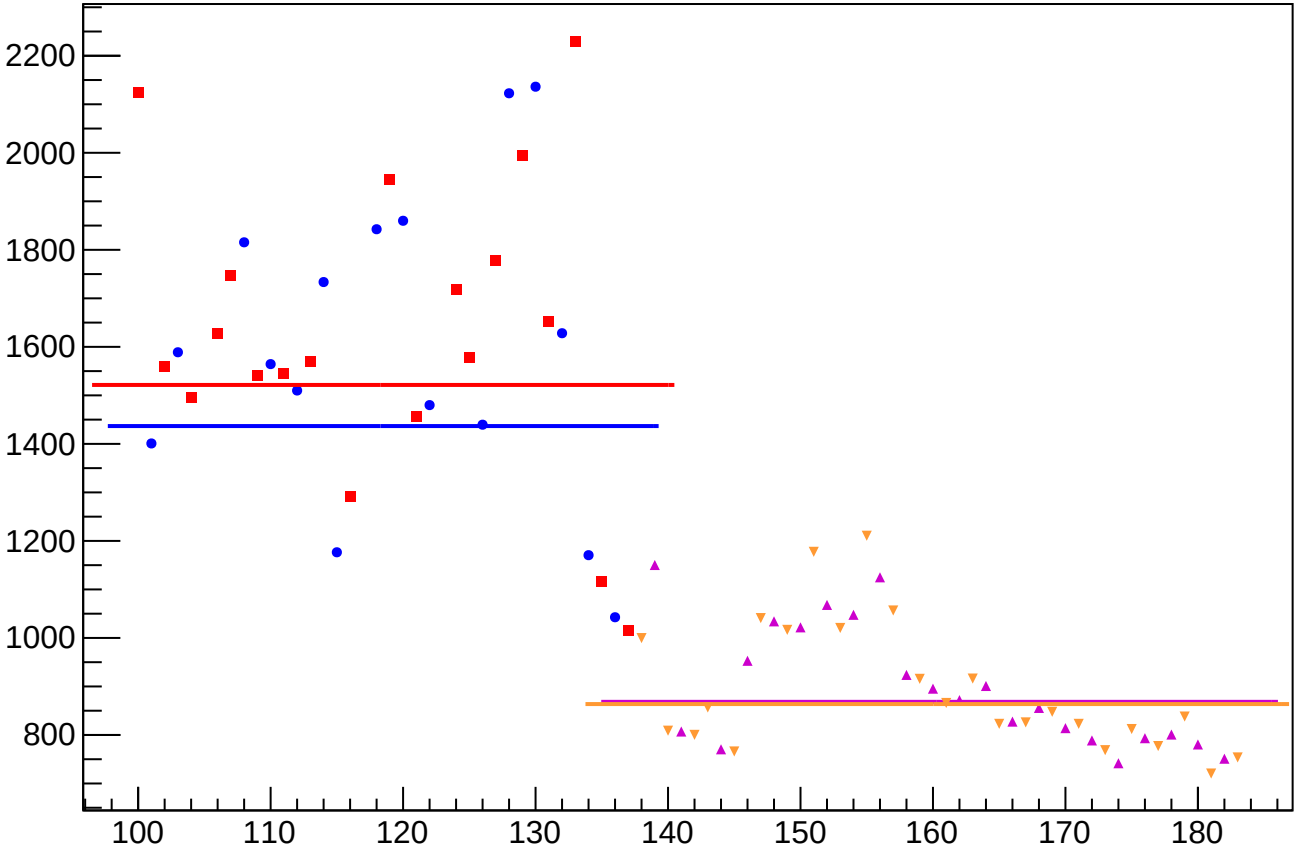
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -33.447+/-193.401 χ^2/NDF:51.9/37

Out: -623.260+/-188.651 χ^2/NDF:80.3/42

All: -335.687+/-135.044 χ^2/NDF: 136.9/80

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: 863.707+/-0.141 χ^2/NDF:673823.1/23

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 868.288+/-0.146 χ^2/NDF:604758.1/21

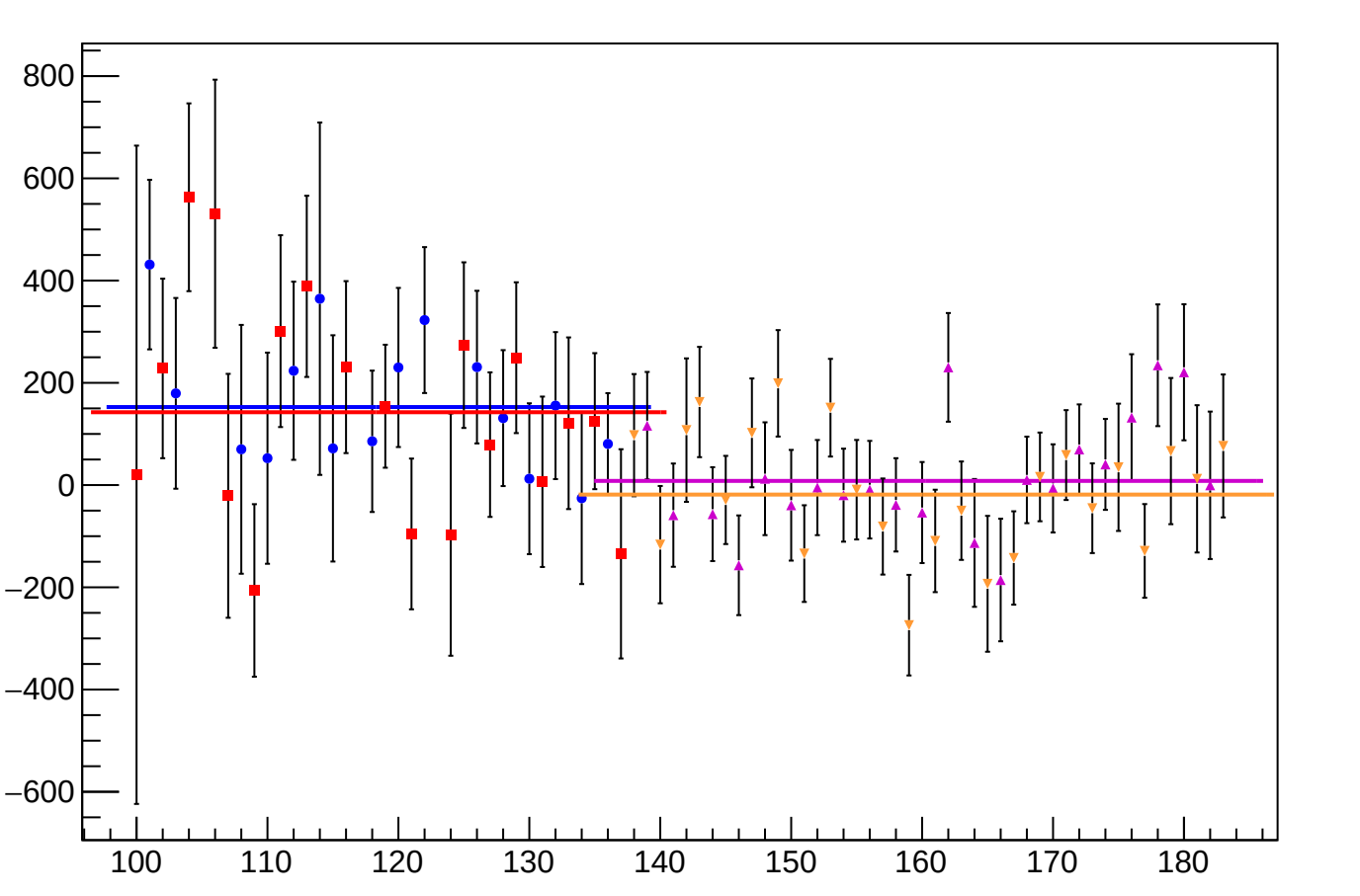
Left: 865.923+/-0.102 χ^2/NDF: 1279089.2/45

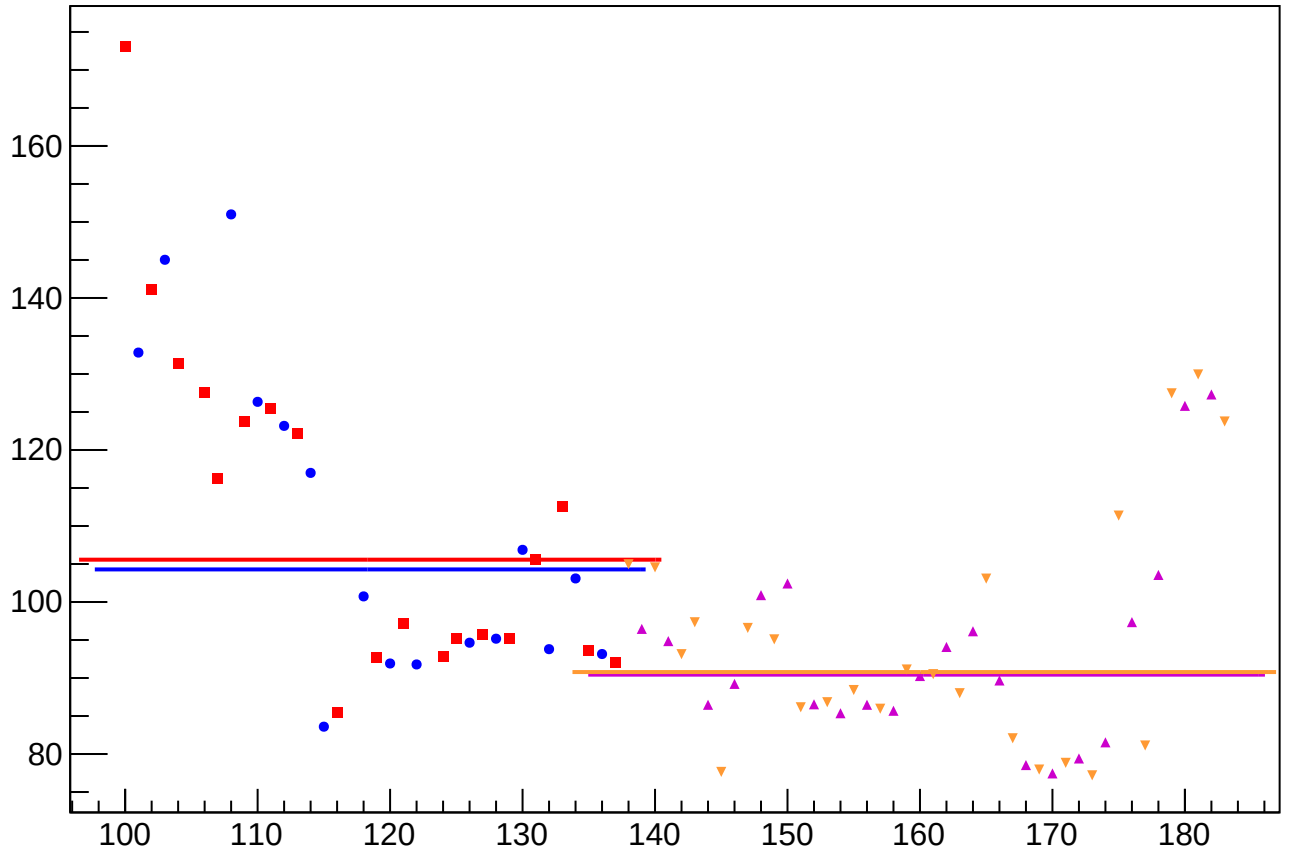
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 938.524+/-0.137 χ^2/NDF:3151478.3/37

Out: 935.818+/-0.133 χ^2/NDF:3545597.8/42

All: 937.137+/-0.095 χ^2/NDF: 6697276.8/80


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: -18.609+/-21.086 χ²/NDF:30.8/23
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: 8.145+/-21.617 χ²/NDF:21.6/21
Left: -5.565+/-15.094 χ²/NDF: 53.2/45
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 41.514+/-18.957 χ²/NDF:40.5/37
Out: 17.344+/-18.585 χ²/NDF:66.8/42
All: 29.190+/-13.271 χ²/NDF: 108.1/80



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.784+/-0.015 χ^2/NDF:768413.8/23

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 90.441+/-0.015 χ^2/NDF:520838.2/21

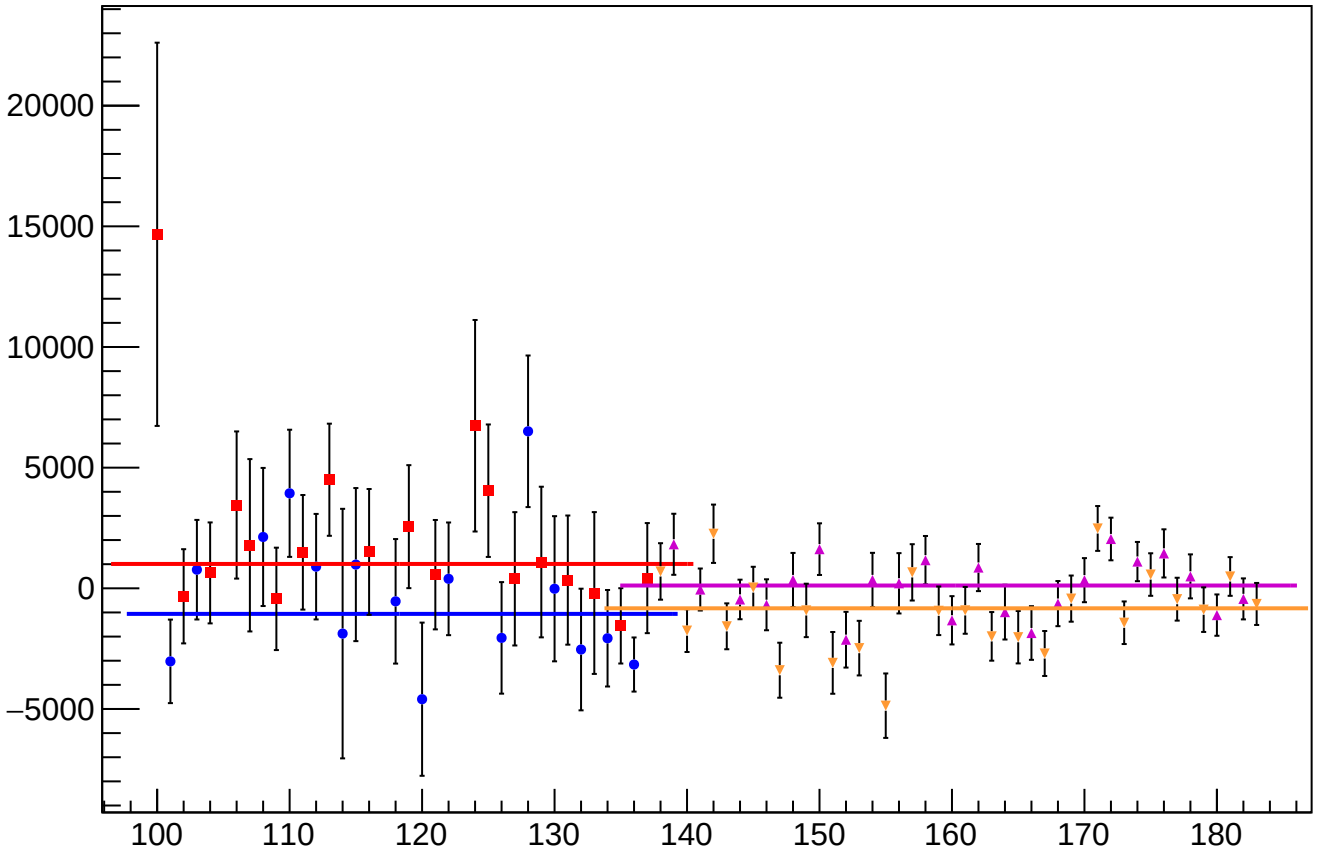
Left: 90.617+/-0.011 χ^2/NDF: 1289508.7/45

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 93.639+/-0.013 χ^2/NDF:1088615.5/37

Out: 94.083+/-0.013 χ^2/NDF:1332451.4/42

All: 93.865+/-0.009 χ^2/NDF: 2421626.2/80



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -828.275+/-201.649 χ^2/NDF:57.4/23

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: -372.918+/-145.110 χ^2/NDF: 96.0/45

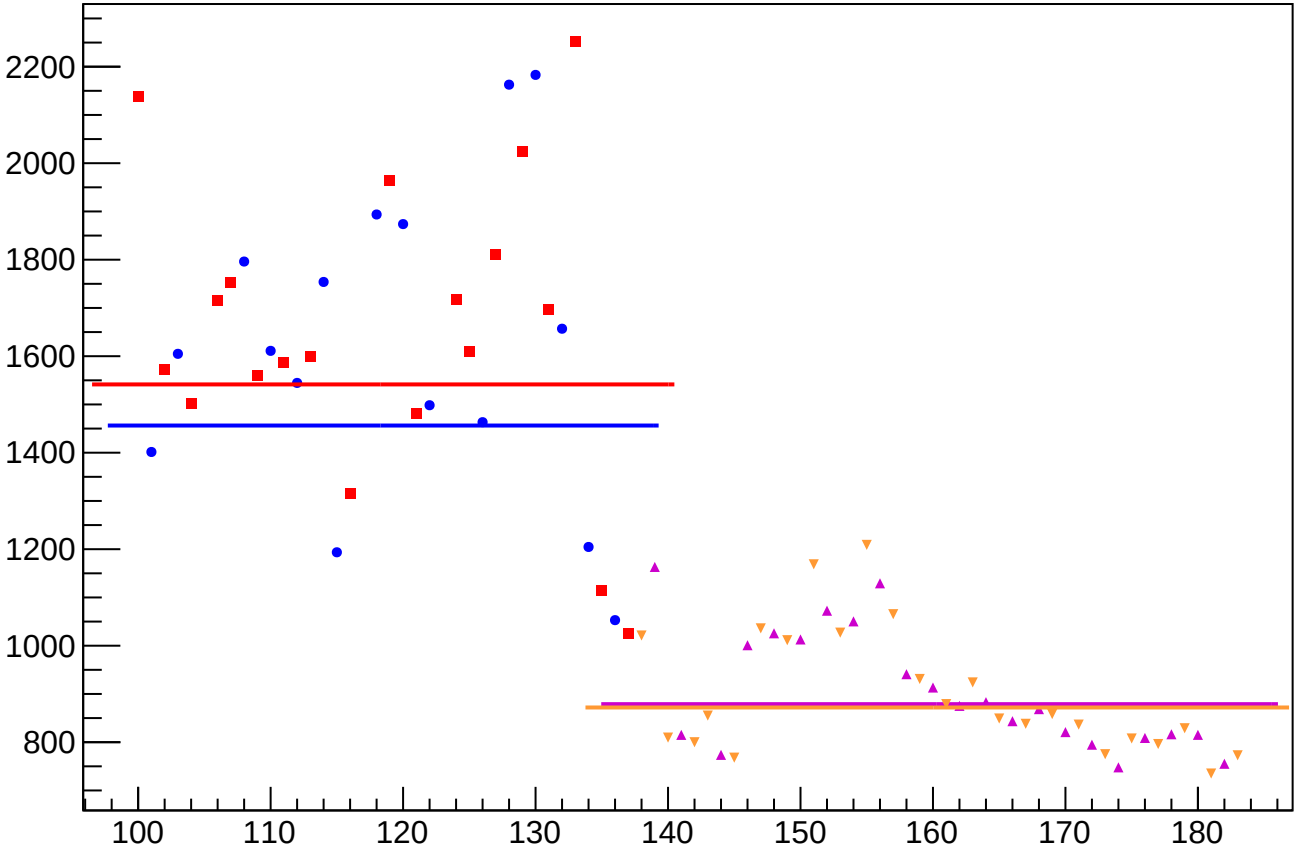
Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -28.612+/-195.689 χ^2/NDF:51.9/37

Out: -627.025+/-190.290 χ^2/NDF:79.8/42

All: -336.187+/-136.424 χ^2/NDF: 136.5/80

asym_sam_24_68_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 871.948+/-0.143 χ^2/NDF:636853.1/23

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 878.852+/-0.148 χ^2/NDF:583297.9/21

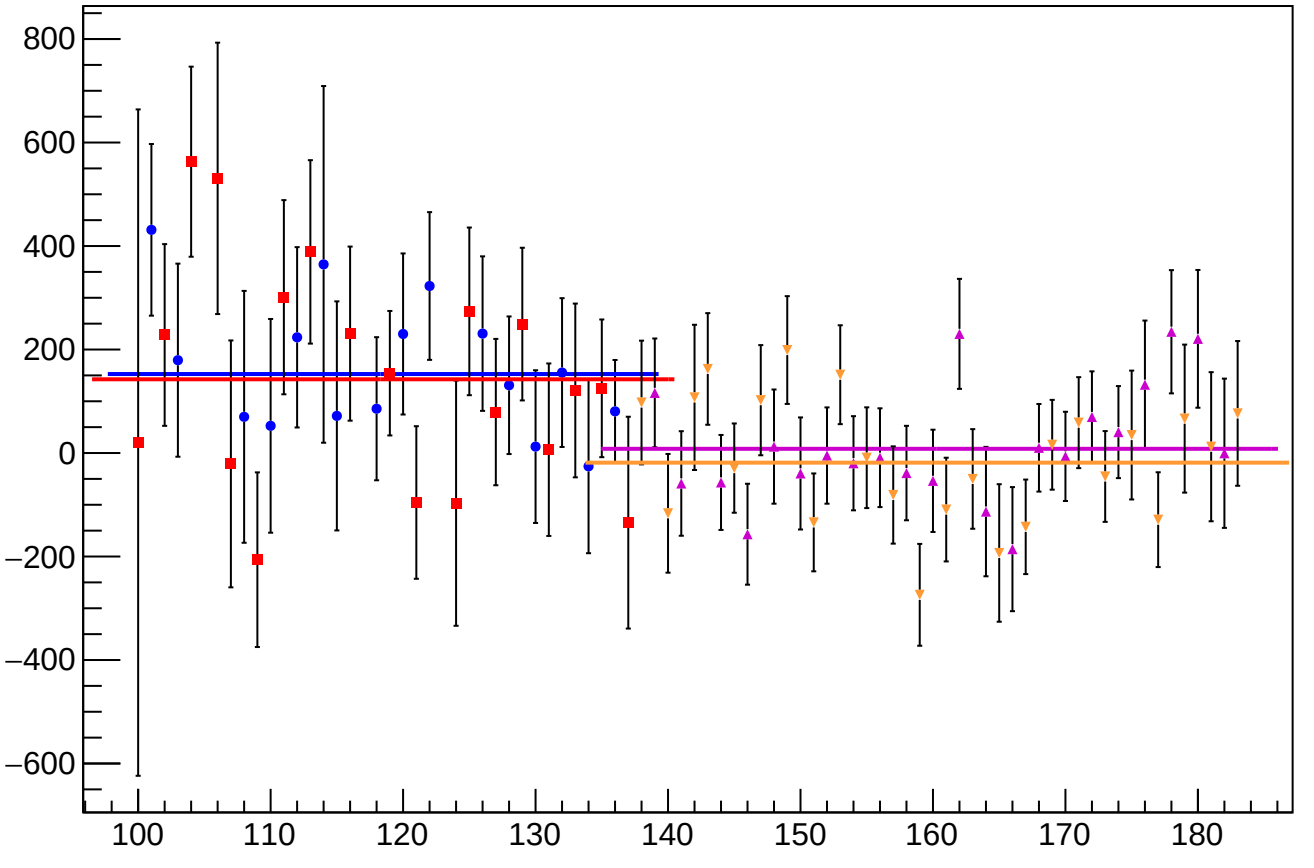
Left: 875.277+/-0.103 χ^2/NDF: 1221281.4/45

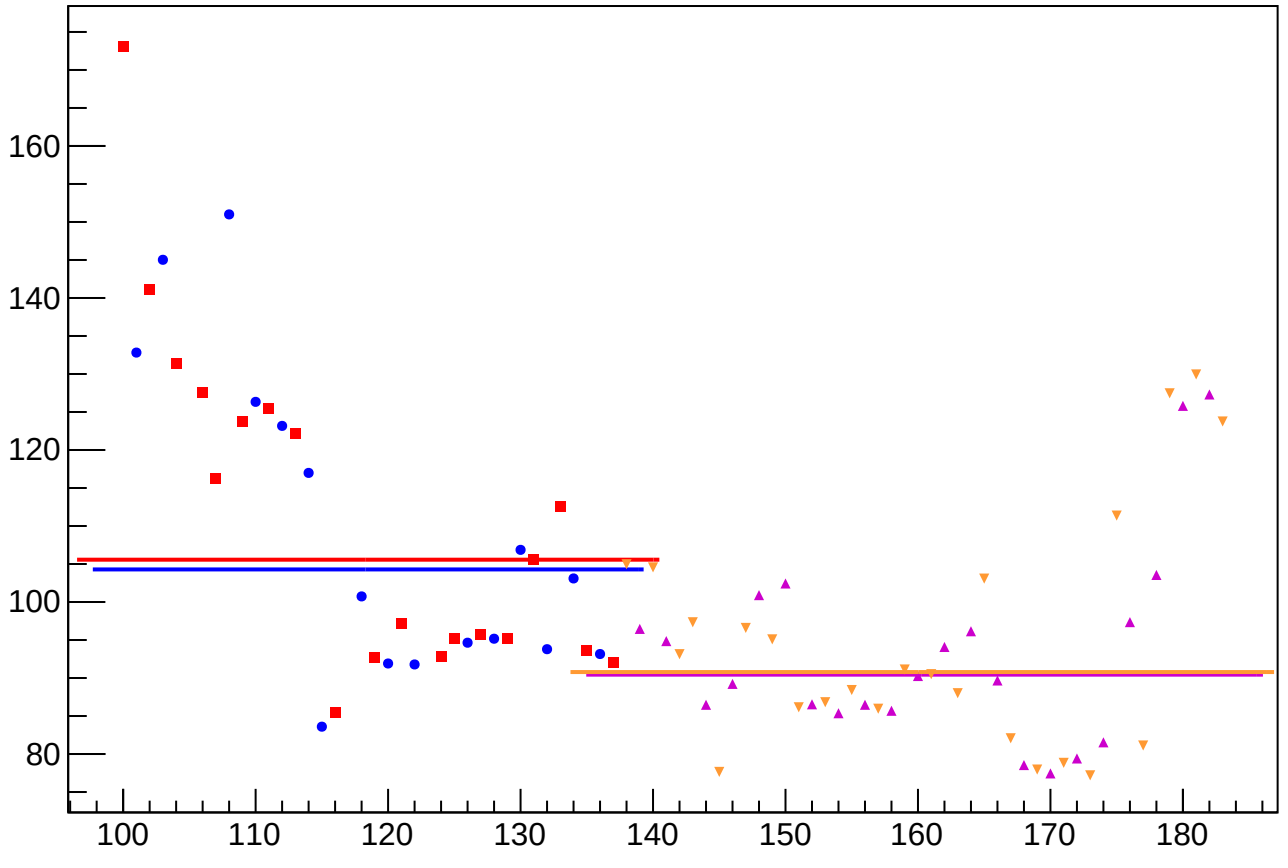
Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 949.962+/-0.138 χ^2/NDF:3148603.0/37

Out: 945.255+/-0.135 χ^2/NDF:3570443.6/42

All: 947.543+/-0.096 χ^2/NDF: 6719641.4/80


eigen_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: 152.628+/-39.446 χ²/NDF: 8.6/15
Left Out: -18.609+/-21.086 χ²/NDF:30.8/23
Right Out: 142.494+/-39.340 χ²/NDF: 22.9/18
Left In: 8.145+/-21.617 χ²/NDF:21.6/21
Left: -5.565+/-15.094 χ²/NDF: 53.2/45
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 41.515+/-18.957 χ²/NDF:40.5/37
Out: 17.344+/-18.585 χ²/NDF:66.8/42
All: 29.190+/-13.271 χ²/NDF: 108.1/80



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.784+/-0.015 χ^2/NDF:768420.2/23

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: 90.617+/-0.011 χ^2/NDF: 1289506.3/45

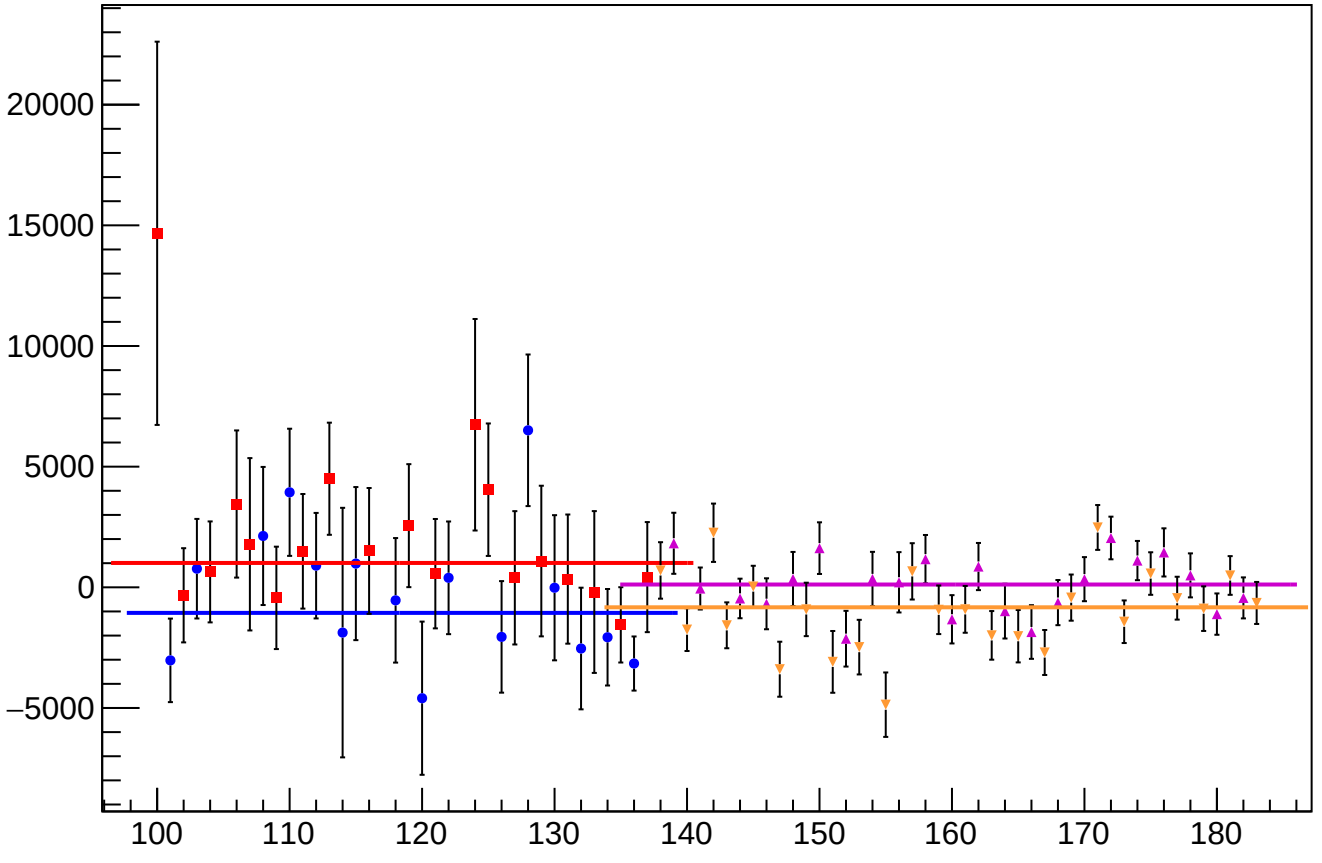
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 93.639+/-0.013 χ^2/NDF:1088585.1/37

Out: 94.083+/-0.013 χ^2/NDF:1332435.0/42

All: 93.865+/-0.009 χ^2/NDF: 2421579.8/80

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -828.275+/-201.649 χ^2/NDF:57.4/23

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: -372.918+/-145.109 χ^2/NDF: 96.0/45

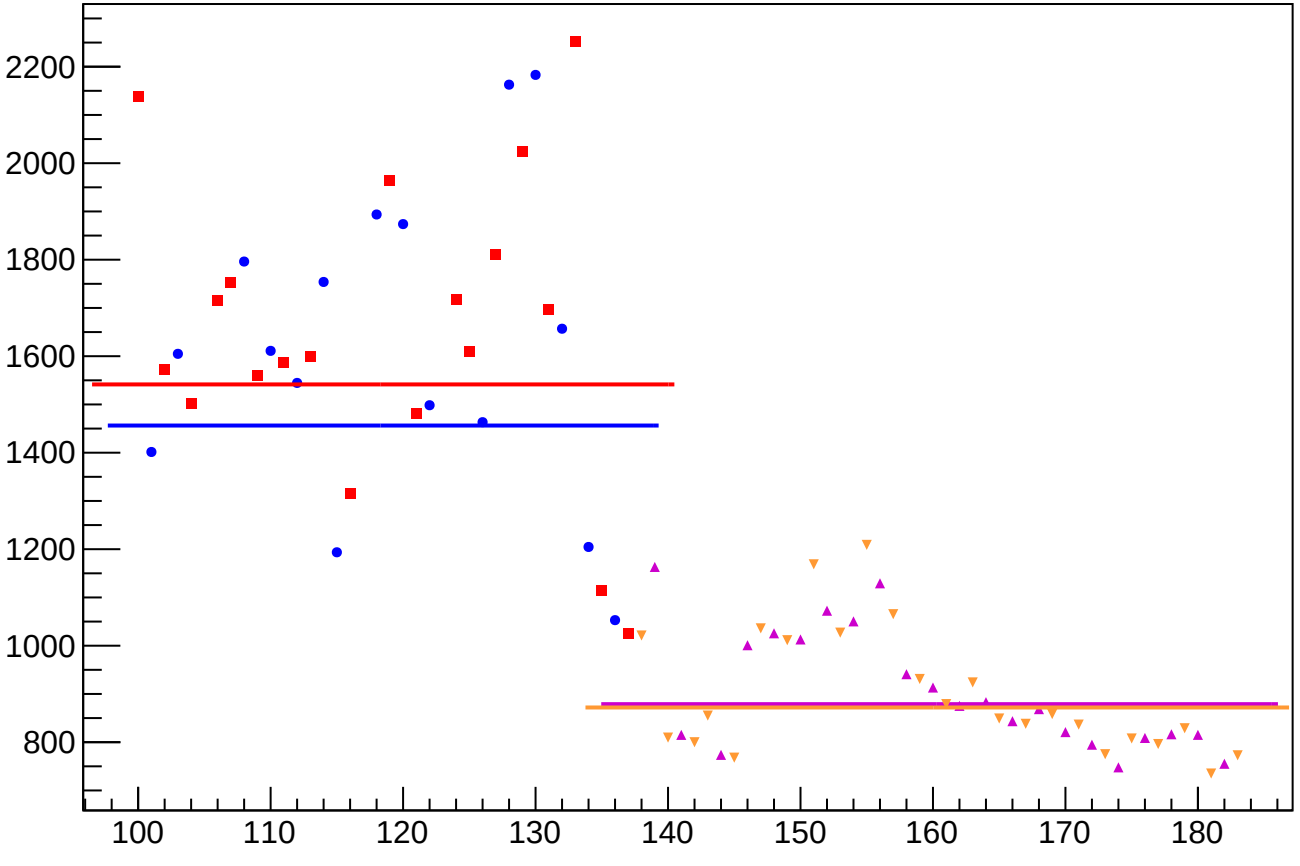
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -28.612+/-195.689 χ^2/NDF:51.9/37

Out: -627.024+/-190.290 χ^2/NDF:79.8/42

All: -336.186+/-136.424 χ^2/NDF: 136.5/80

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: 871.947+/-0.143 χ^2/NDF:636854.9/23

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: 875.276+/-0.103 χ^2/NDF: 1221283.4/45

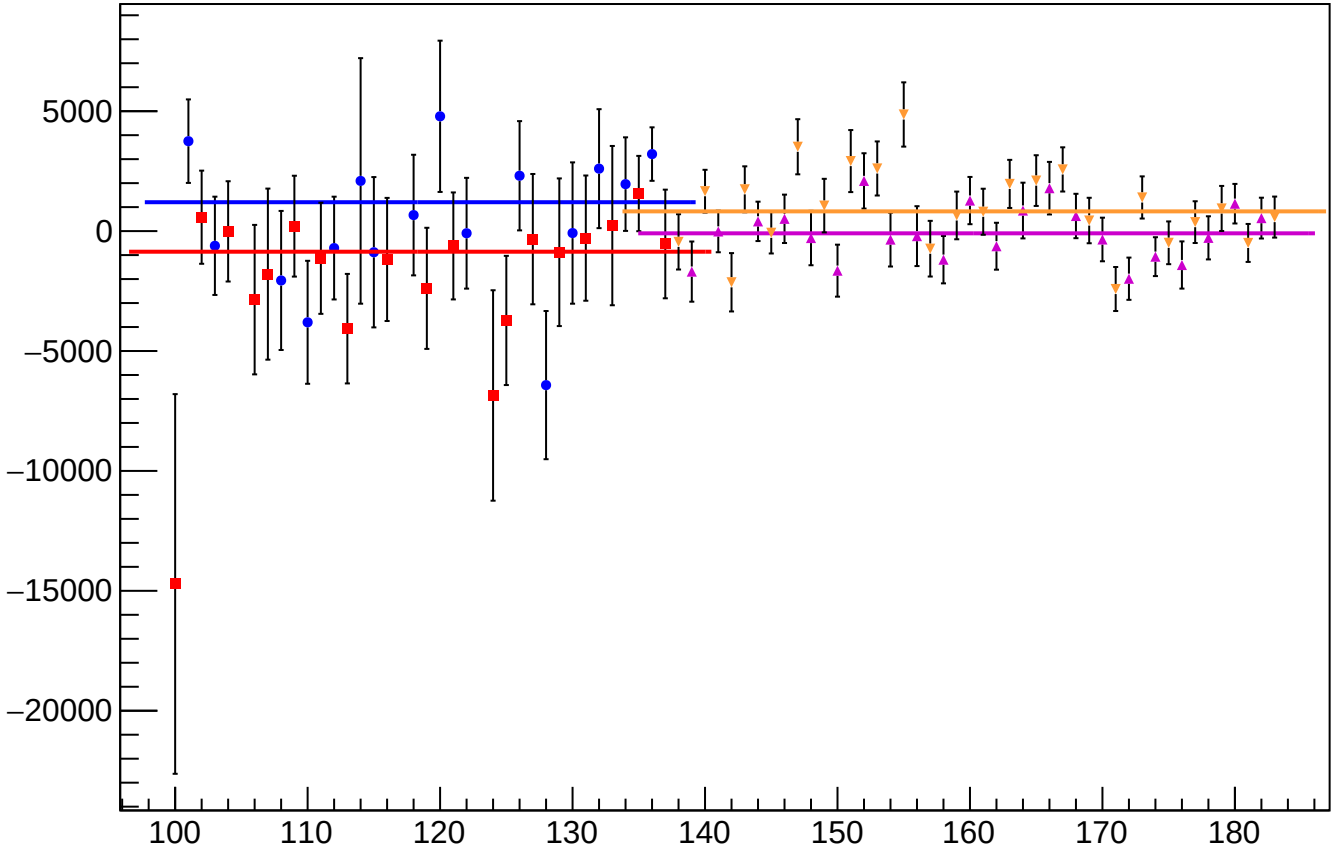
Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 949.961+/-0.138 χ^2/NDF:3148595.8/37

Out: 945.254+/-0.135 χ^2/NDF:3570438.0/42

All: 947.542+/-0.096 χ^2/NDF: 6719628.5/80

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 822.939+/-200.847 χ^2/NDF:56.3/23

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: 380.126+/-144.314 χ^2/NDF: 92.9/45

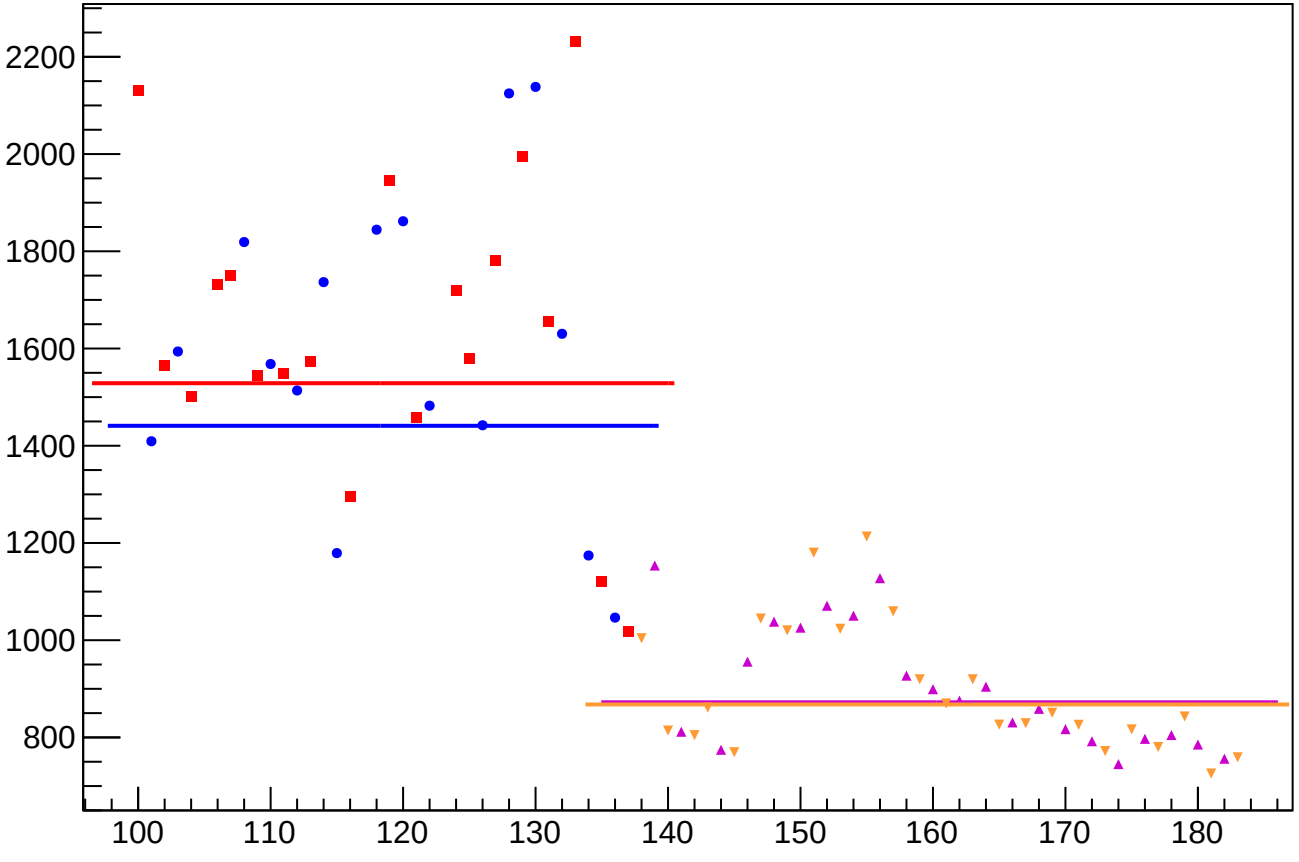
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 68.250+/-194.215 χ^2/NDF:52.6/37

Out: 637.368+/-189.446 χ^2/NDF:76.5/42

All: 359.882+/-135.613 χ^2/NDF: 133.5/80

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 867.830+/-0.142 χ^2/NDF:663988.4/23

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 872.242+/-0.147 χ^2/NDF:596403.2/21

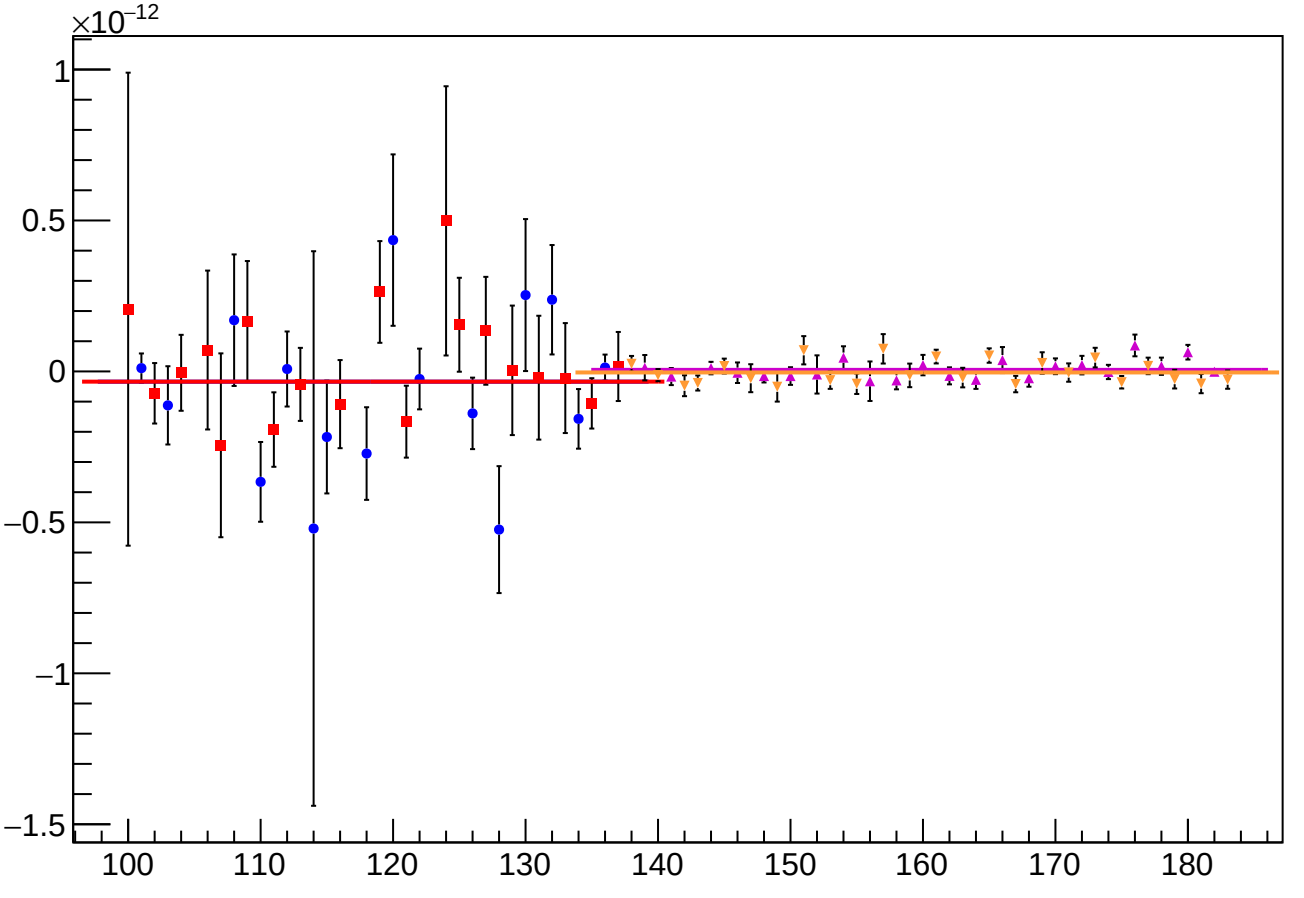
Left: 869.965+/-0.102 χ^2/NDF: 1260858.4/45

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 942.721+/-0.137 χ^2/NDF:3129245.7/37

Out: 940.727+/-0.134 χ^2/NDF:3554011.3/42

All: 941.700+/-0.096 χ^2/NDF: 6683365.0/80



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:20.3/21

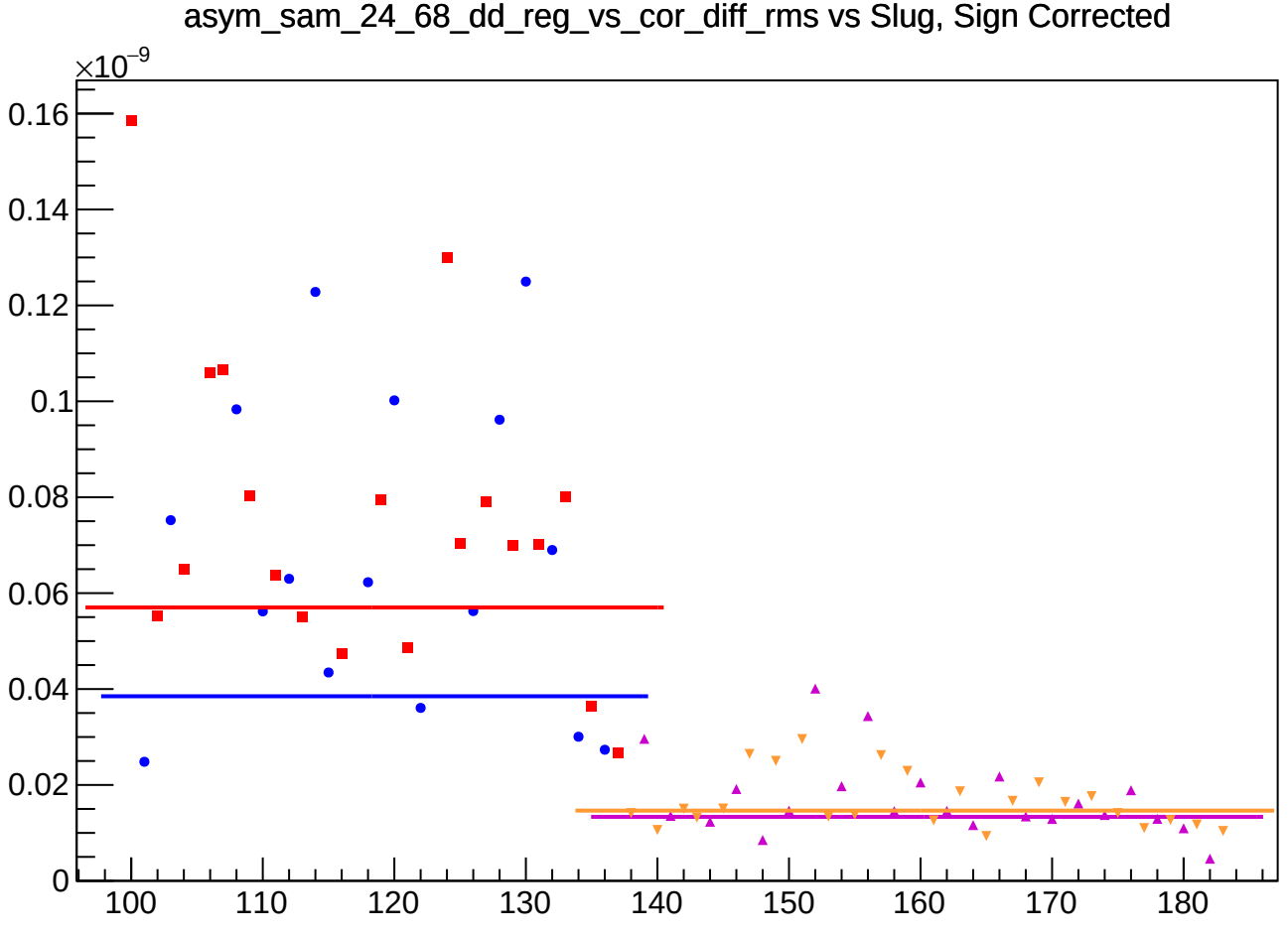
Left: 0.000+/-0.000 χ^2/NDF: 56.9/45

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:49.4/42

All: -0.000+/-0.000 χ^2/NDF: 100.2/80



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1055164.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1948361.1/21

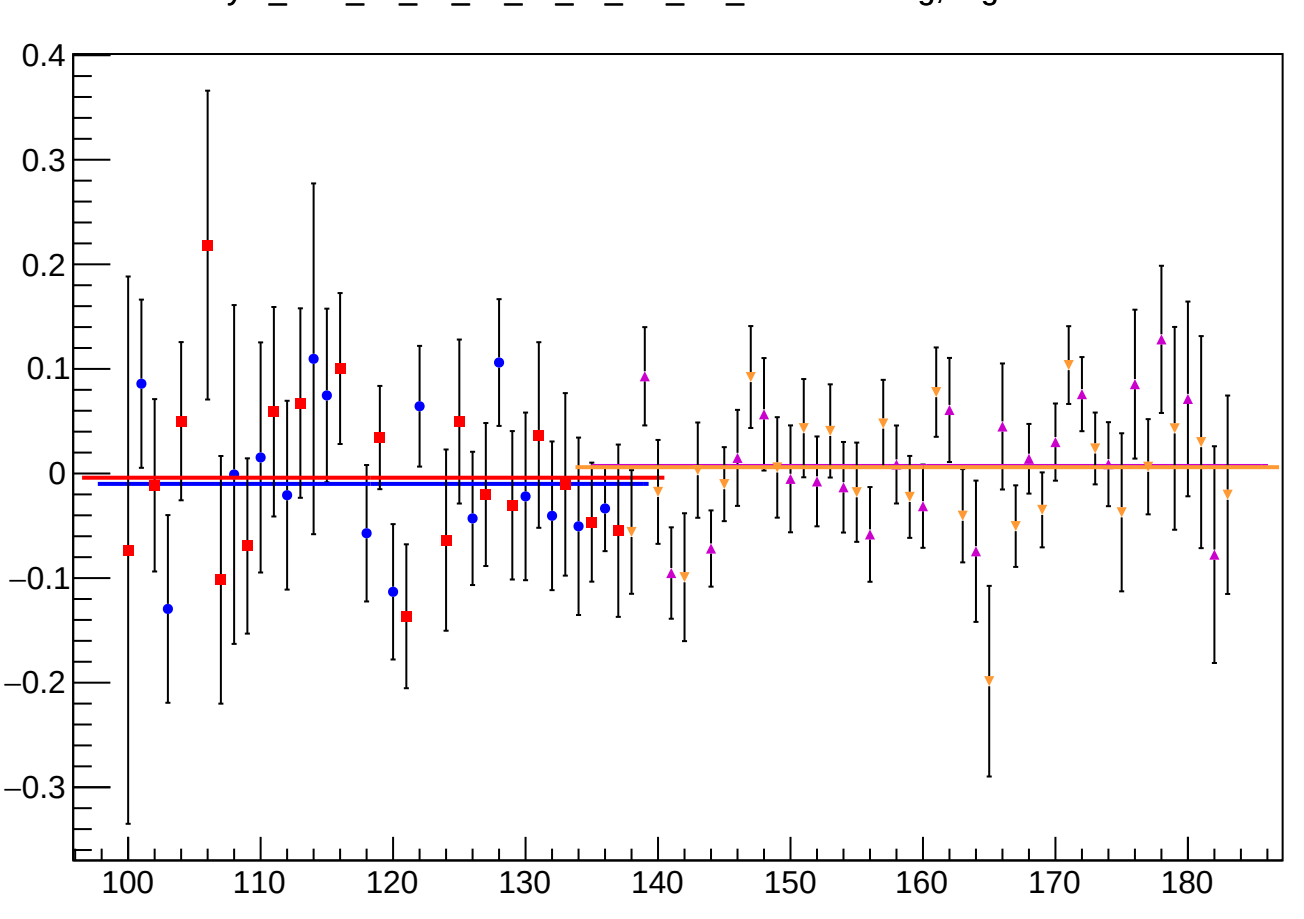
Left: 0.000+/-0.000 χ^2/NDF: 3050517.2/45

Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:5235917.7/37

Out: 0.000+/-0.000 χ^2/NDF:4763938.8/42

All: 0.000+/-0.000 χ^2/NDF: 10042217.3/80



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/23

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.010 χ^2/NDF:30.3/21

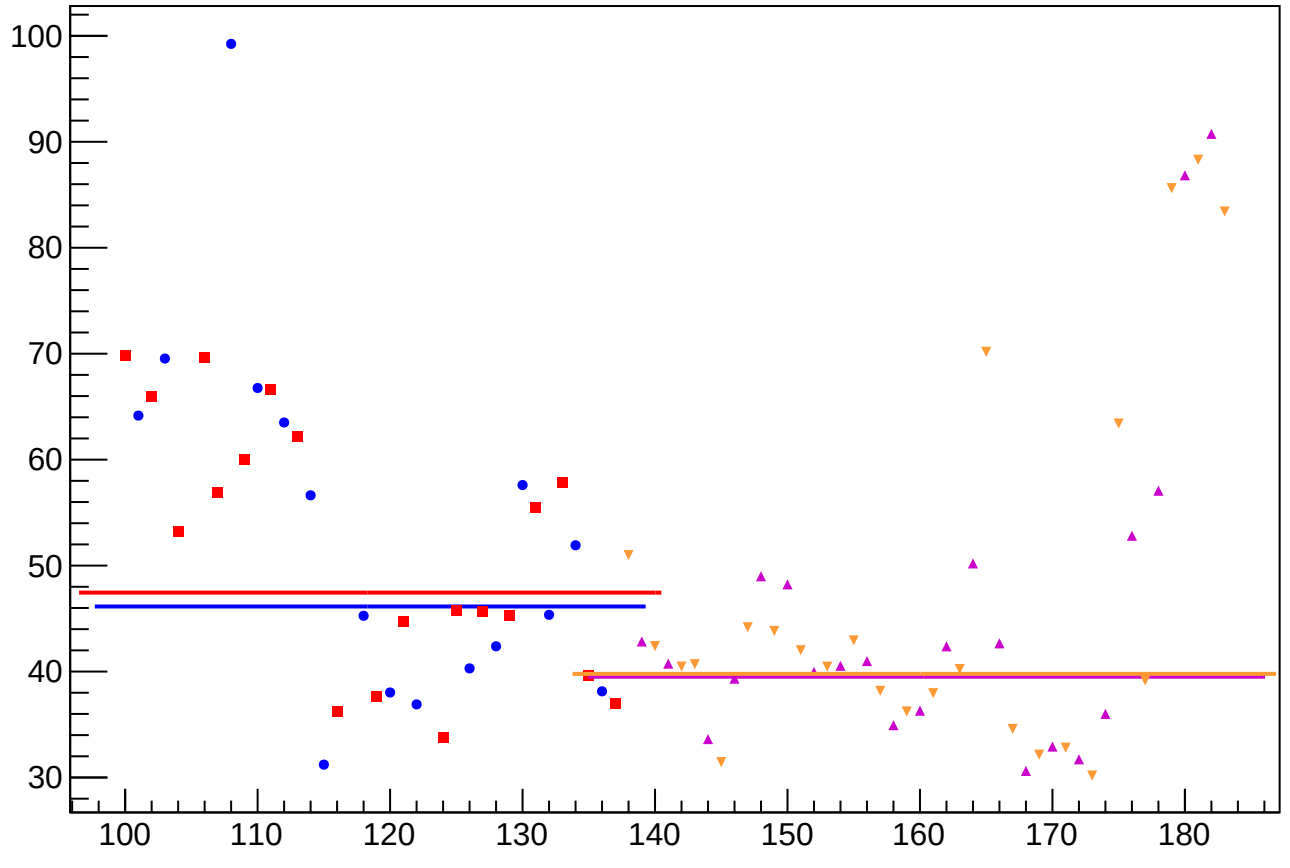
Left: 0.007+/-0.007 χ^2/NDF: 61.1/45

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+/-0.008 χ^2/NDF:44.8/42

All: 0.004+/-0.006 χ^2/NDF: 90.1/80



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.781+/-0.007 χ^2/NDF:2356605.4/23

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.512+/-0.007 χ^2/NDF:1811675.4/21

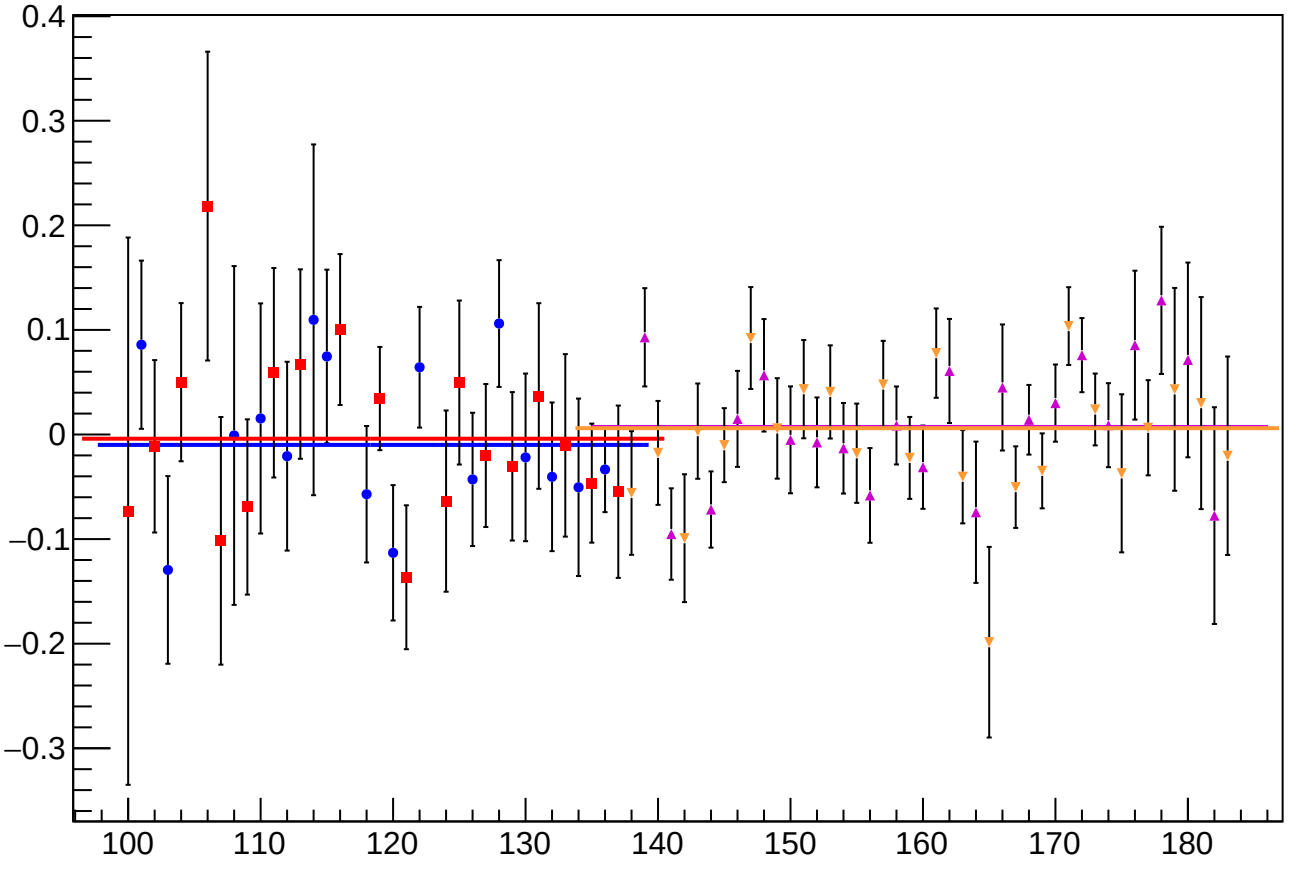
Left: 39.650+/-0.005 χ^2/NDF: 4169051.6/45

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 41.030+/-0.006 χ^2/NDF:2924289.4/37

Out: 41.464+/-0.006 χ^2/NDF:3291751.8/42

All: 41.250+/-0.004 χ^2/NDF: 6218618.3/80



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/23

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: 61.1/45

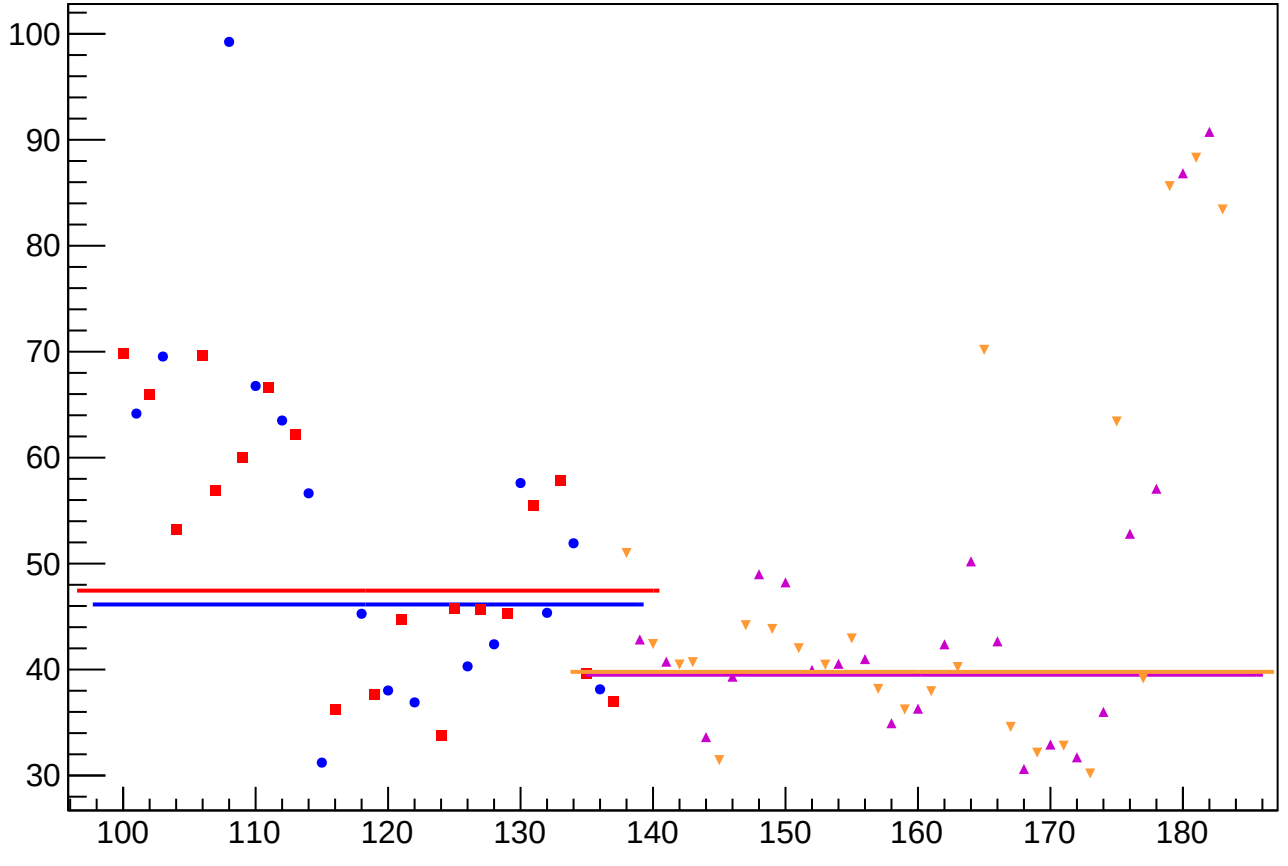
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.009 χ^2/NDF:45.2/37

Out: 0.004+/-0.008 χ^2/NDF:44.8/42

All: 0.004+/-0.006 χ^2/NDF: 90.1/80

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.781+/-0.007 χ^2/NDF:2356605.4/23

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.512+/-0.007 χ^2/NDF:1811675.4/21

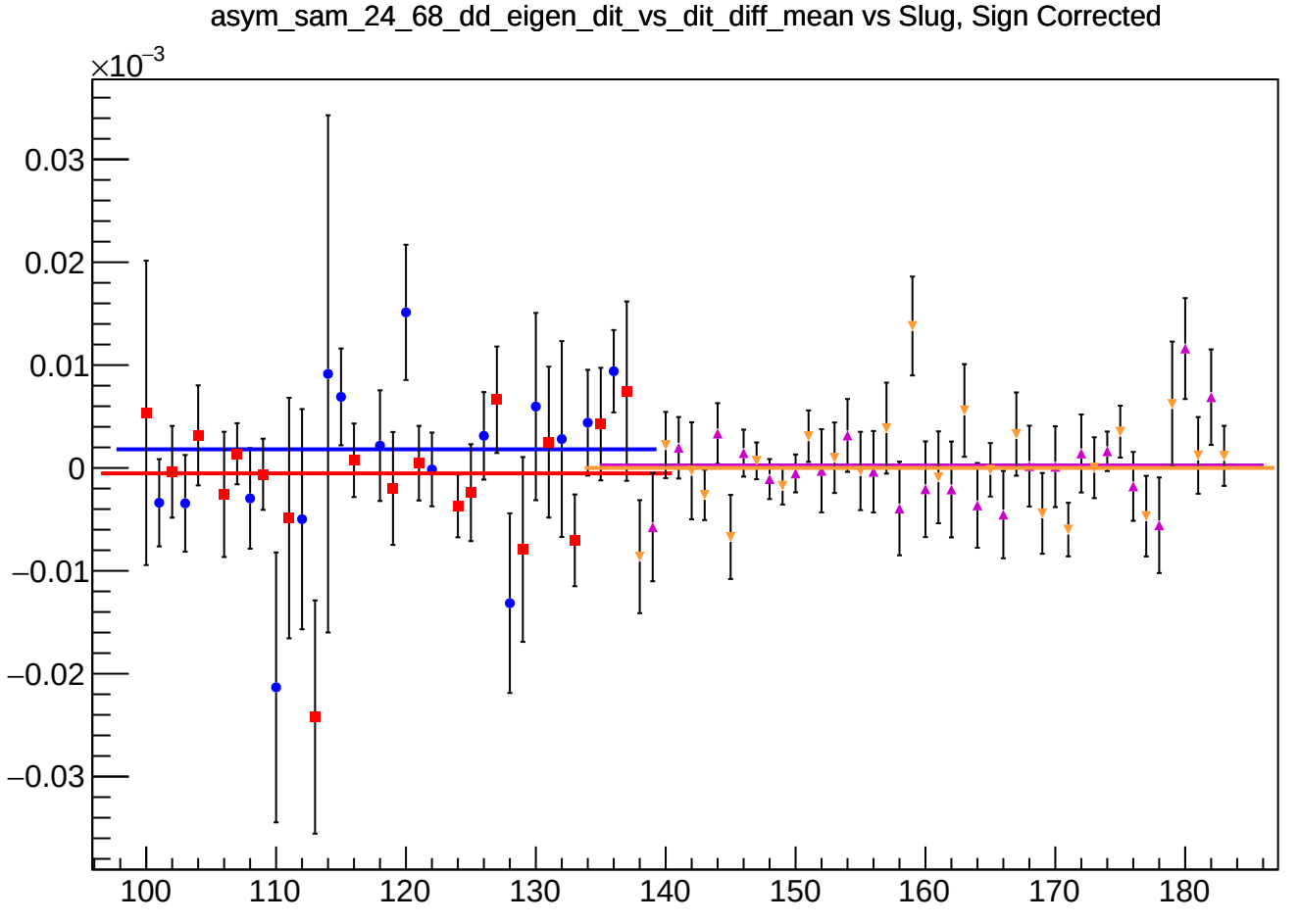
Left: 39.650+/-0.005 χ^2/NDF: 4169051.6/45

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 41.030+/-0.006 χ^2/NDF:2924289.4/37

Out: 41.464+/-0.006 χ^2/NDF:3291751.8/42

All: 41.250+/-0.004 χ^2/NDF: 6218618.3/80



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/21

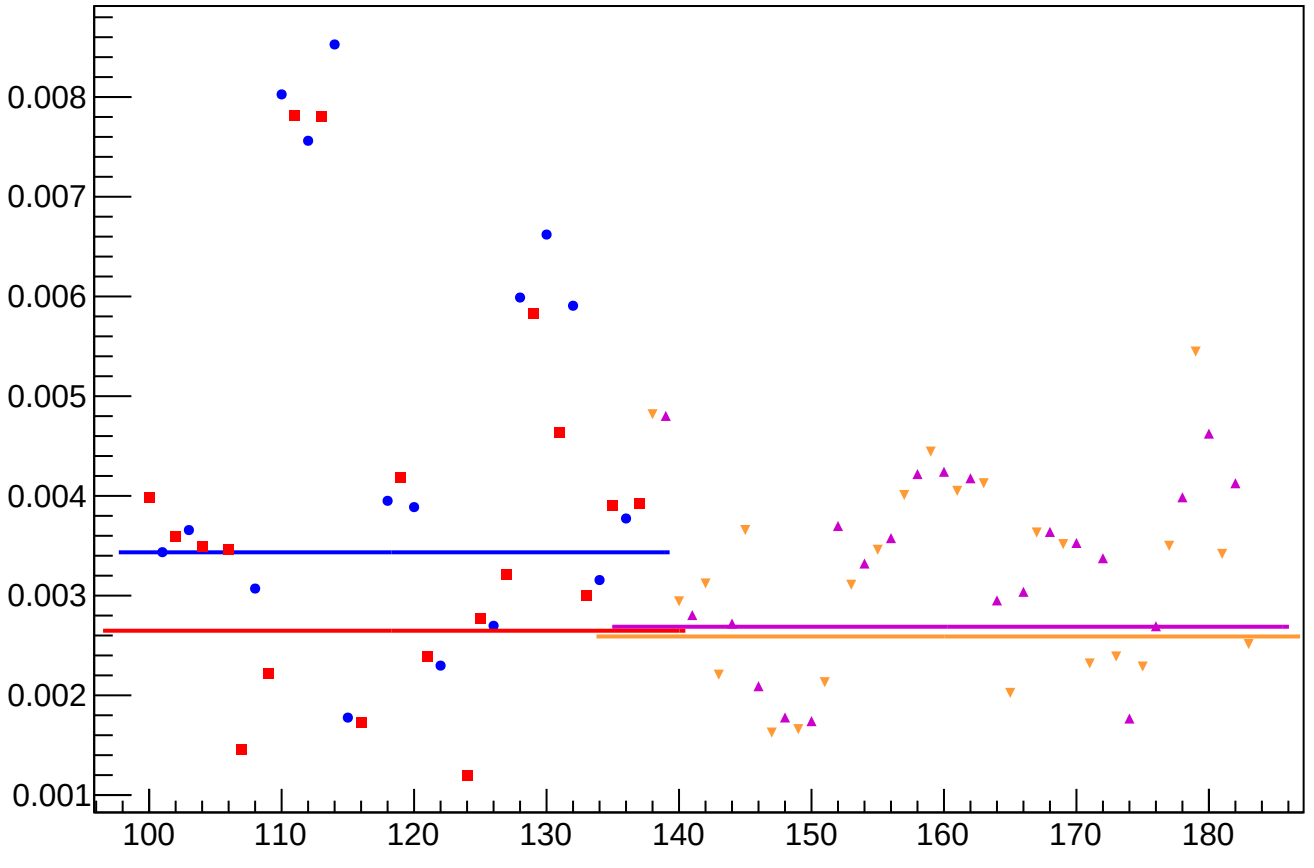
Left: 0.000+/-0.000 χ^2/NDF: 49.9/45

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:45.9/42

All: 0.000+/-0.000 χ^2/NDF: 85.5/80



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3884368.9/23

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: 7694440.4/45

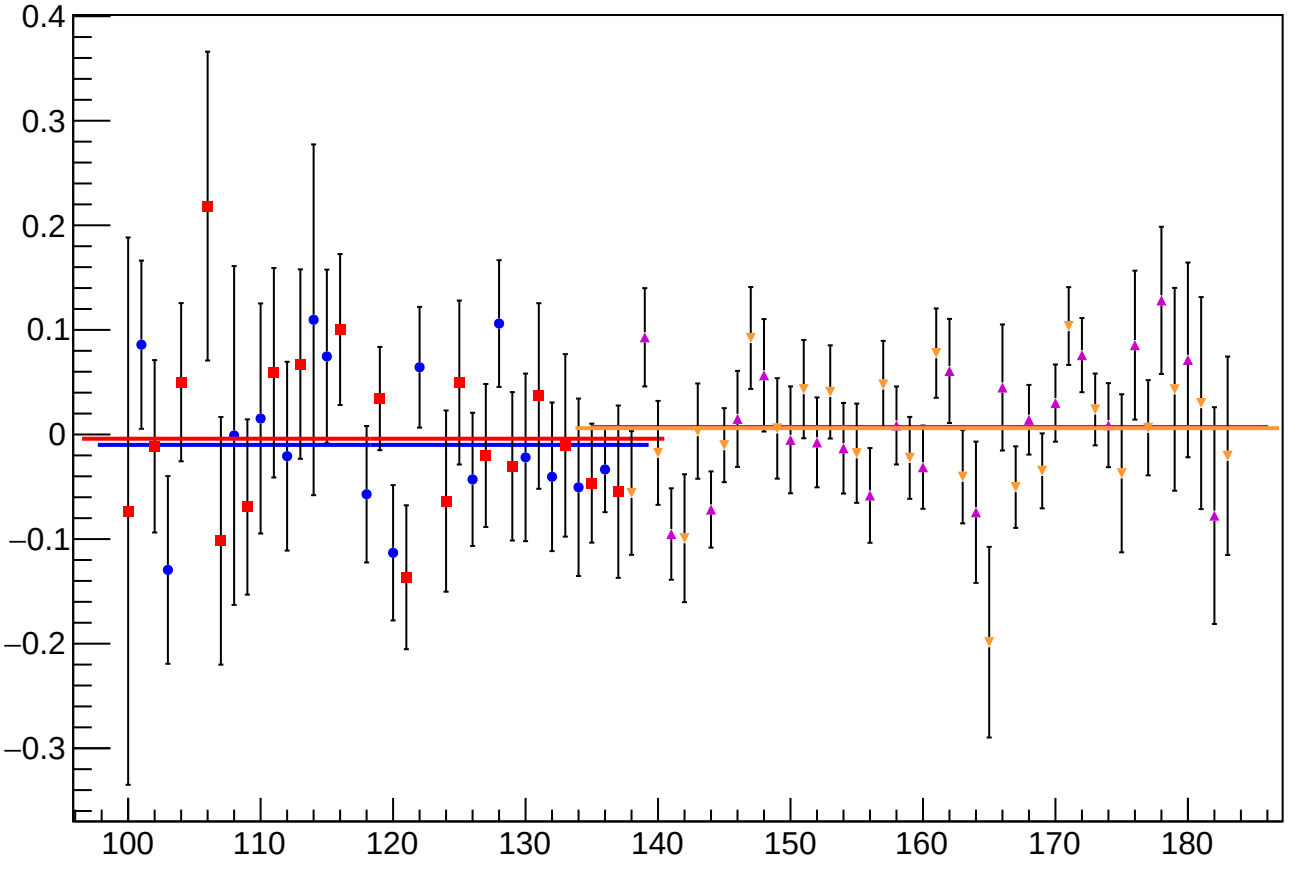
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:6011502.6/37

Out: 0.003+/-0.000 χ^2/NDF:6585462.1/42

All: 0.003+/-0.000 χ^2/NDF: 12755107.5/80

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:30.7/23

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.010 χ^2/NDF:30.3/21

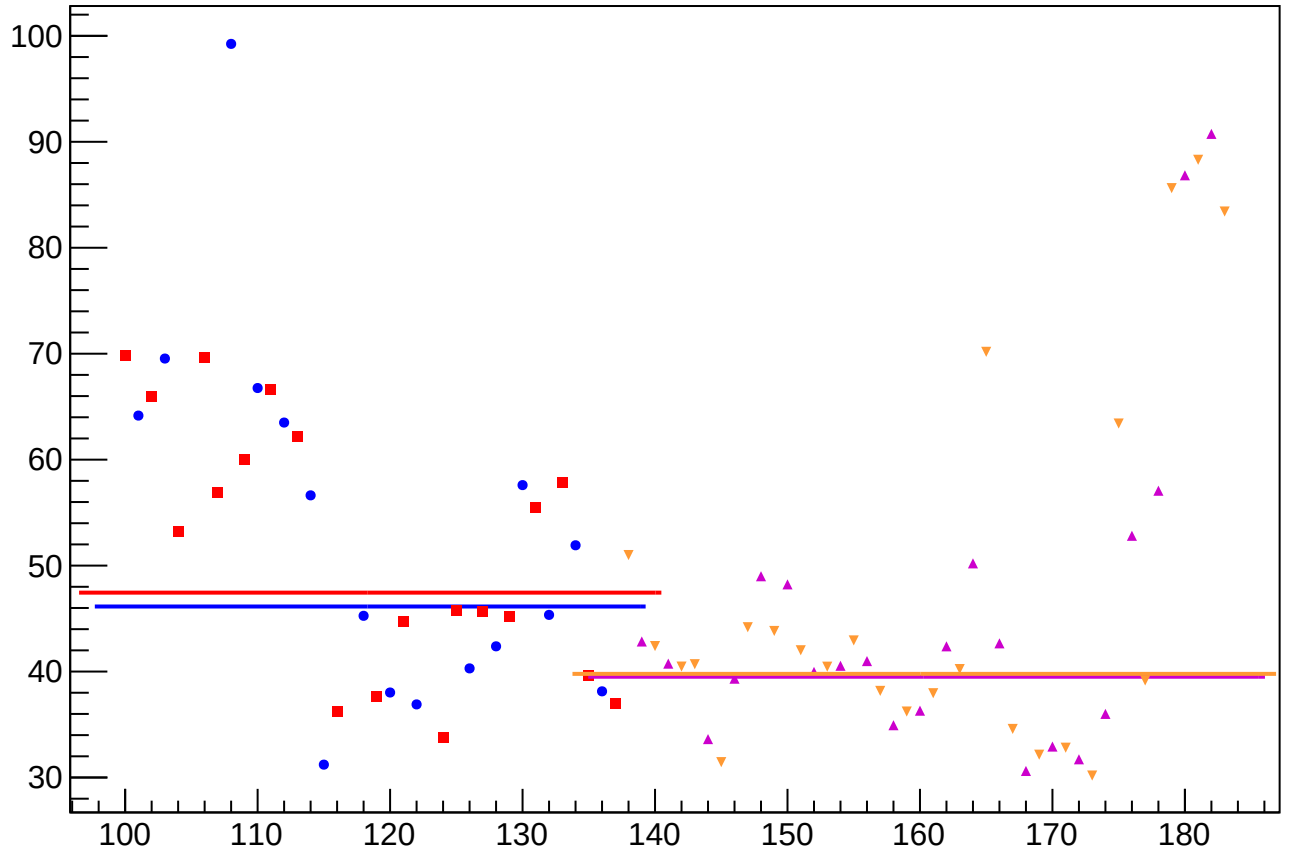
Left: 0.007+/-0.007 χ^2/NDF: 61.1/45

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+/-0.008 χ^2/NDF:44.8/42

All: 0.004+/-0.006 χ^2/NDF: 90.1/80



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.782+/-0.007 χ^2/NDF:2356647.5/23

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: 39.650+/-0.005 χ^2/NDF: 4169123.1/45

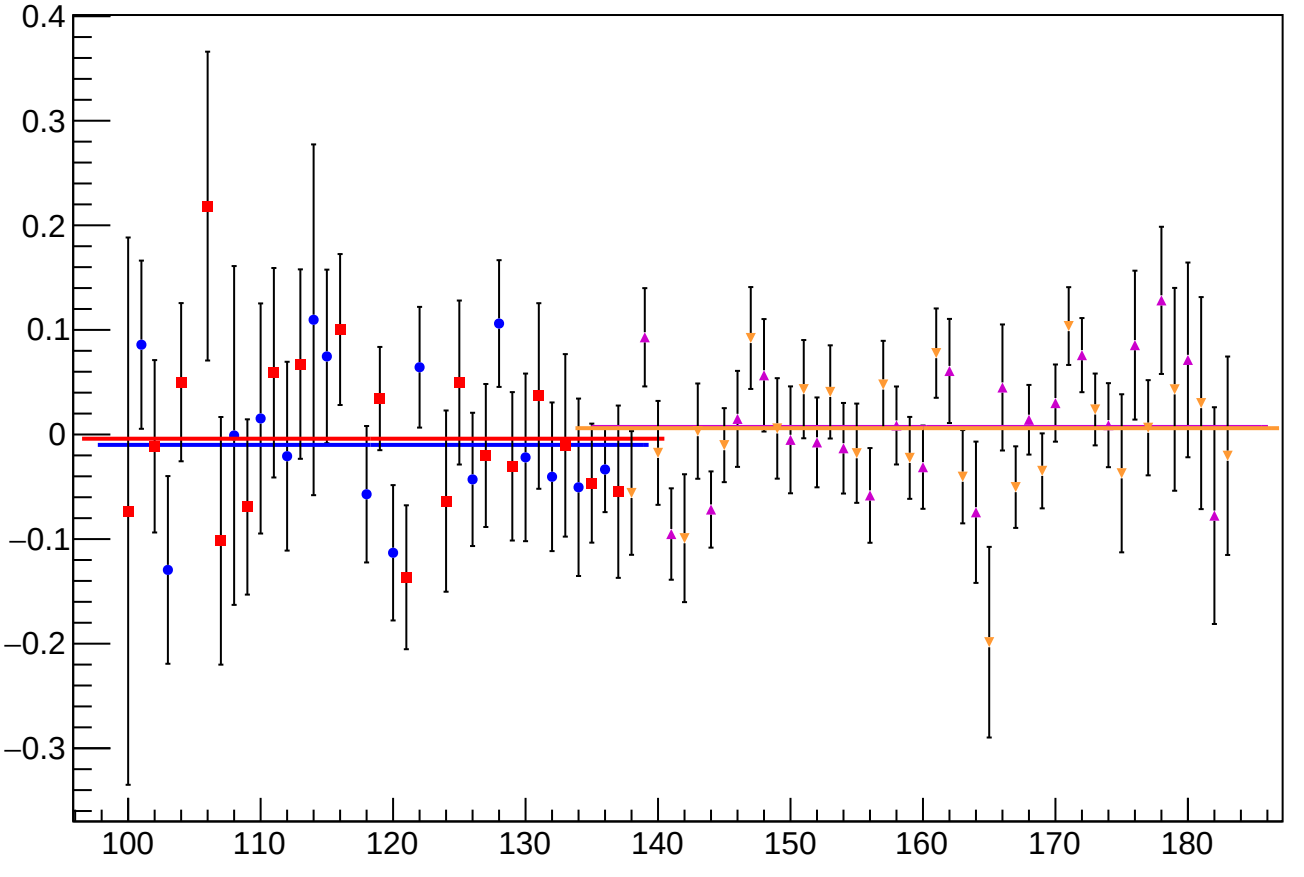
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 41.029+/-0.006 χ^2/NDF:2924212.2/37

Out: 41.463+/-0.006 χ^2/NDF:3291704.1/42

All: 41.250+/-0.004 χ^2/NDF: 6218497.1/80

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/23

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.010 χ^2/NDF:30.3/21

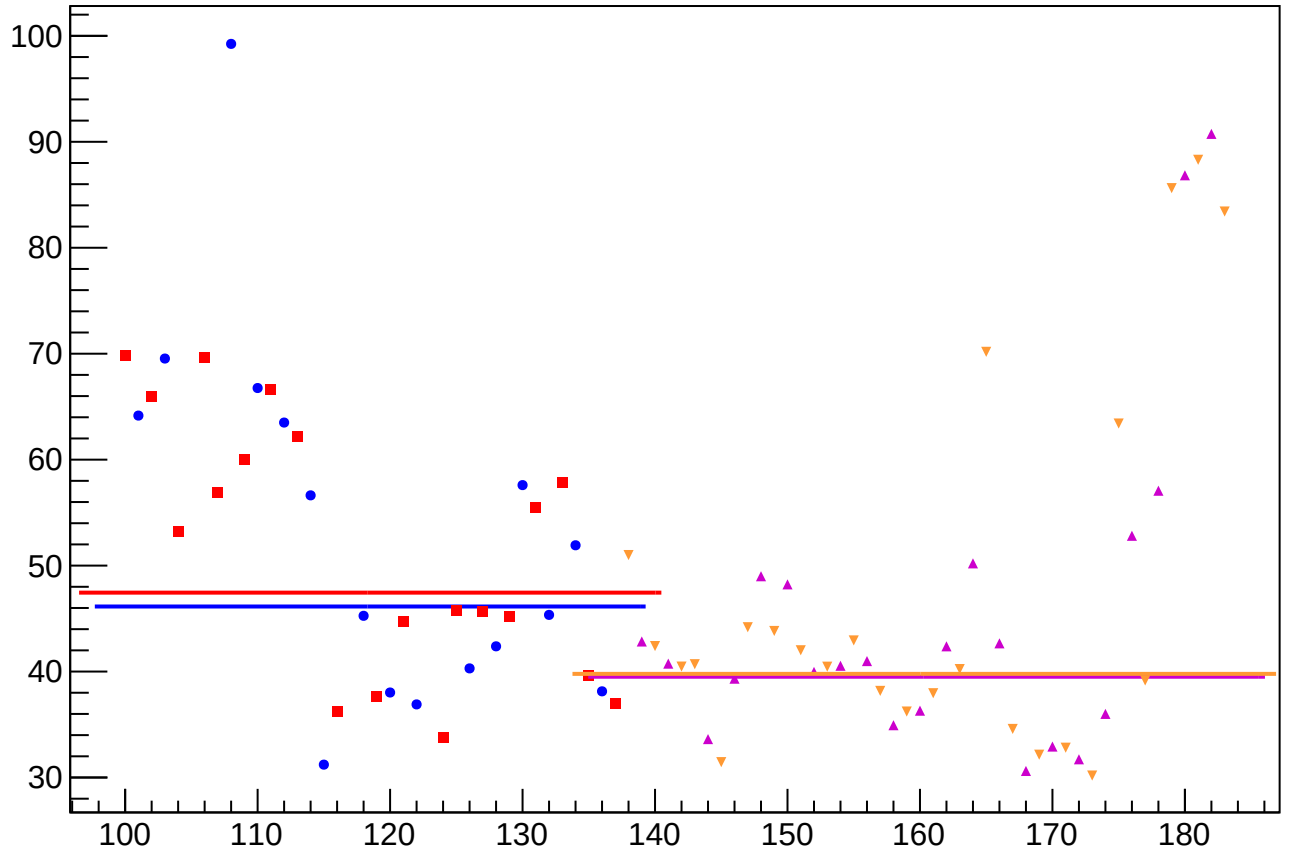
Left: 0.007+/-0.007 χ^2/NDF: 61.1/45

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+/-0.008 χ^2/NDF:44.8/42

All: 0.004+/-0.006 χ^2/NDF: 90.1/80



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.782+/-0.007 χ^2/NDF:2356647.5/23

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.512+/-0.007 χ^2/NDF:1811703.3/21

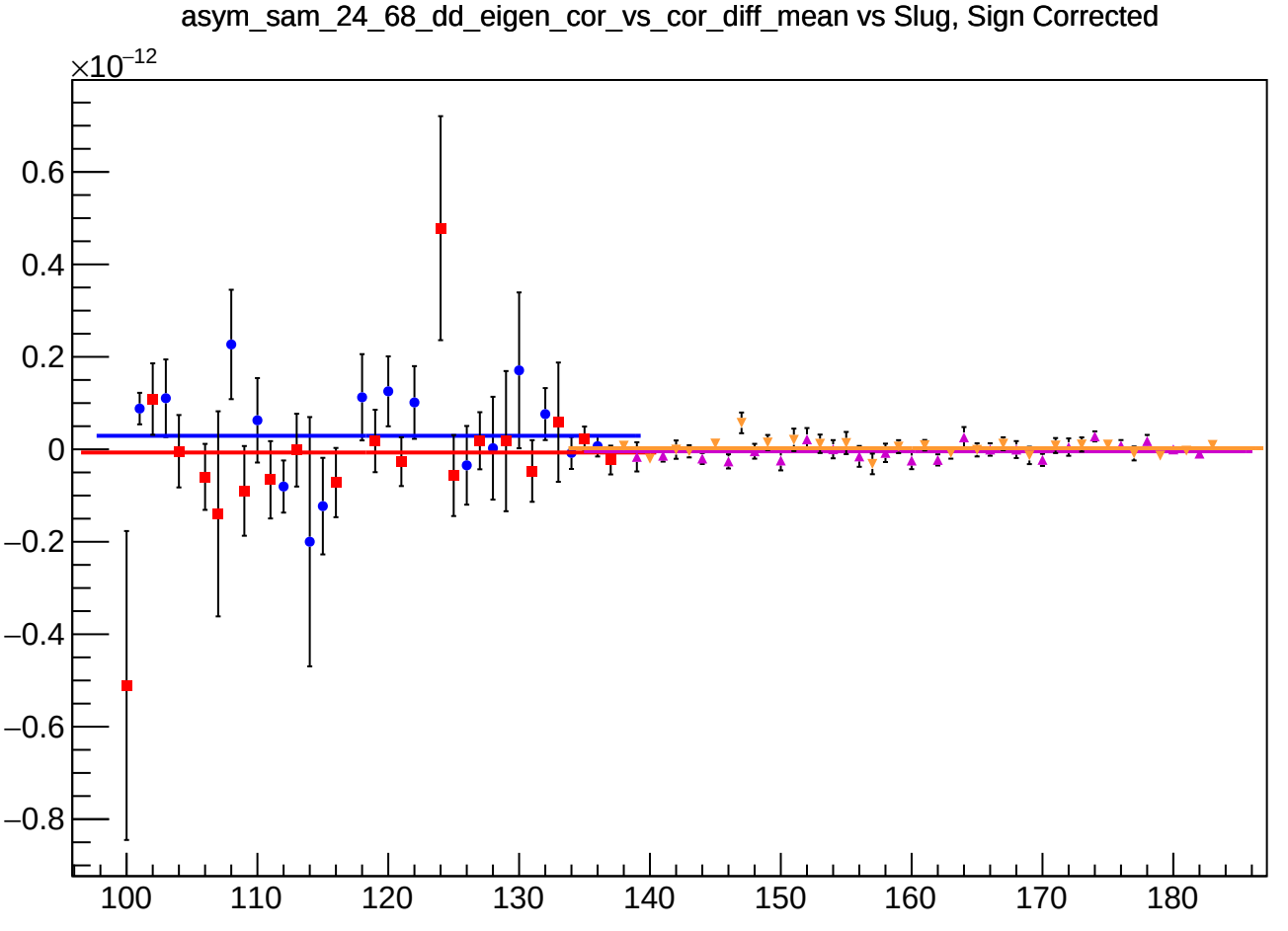
Left: 39.650+/-0.005 χ^2/NDF: 4169123.1/45

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 41.029+/-0.006 χ^2/NDF:2924212.2/37

Out: 41.463+/-0.006 χ^2/NDF:3291704.1/42

All: 41.250+/-0.004 χ^2/NDF: 6218497.1/80



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:27.4/21

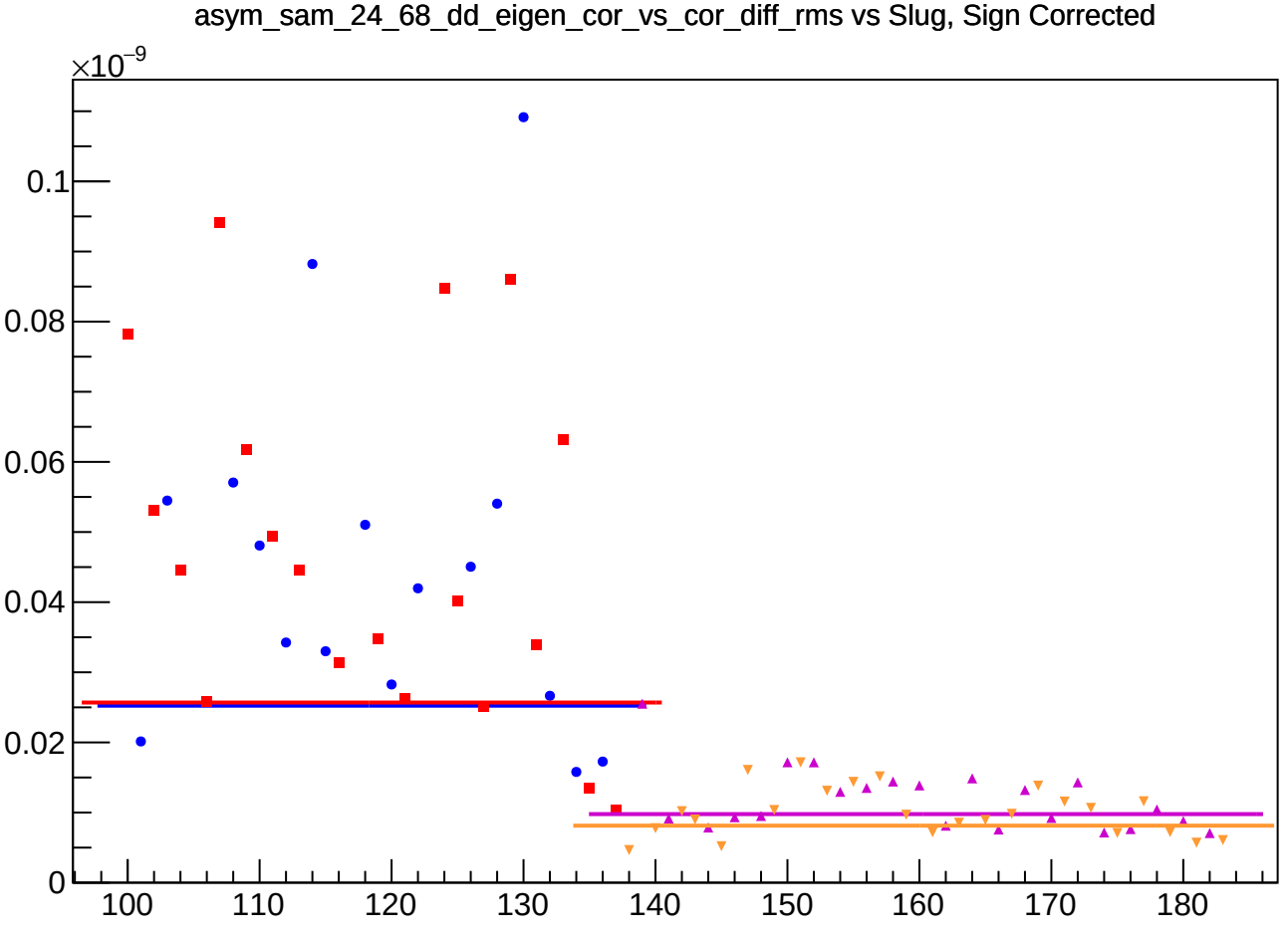
Left: -0.000+/-0.000 χ^2/NDF: 53.6/45

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:38.3/42

All: 0.000+/-0.000 χ^2/NDF: 93.7/80



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2354588.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2032021.6/21

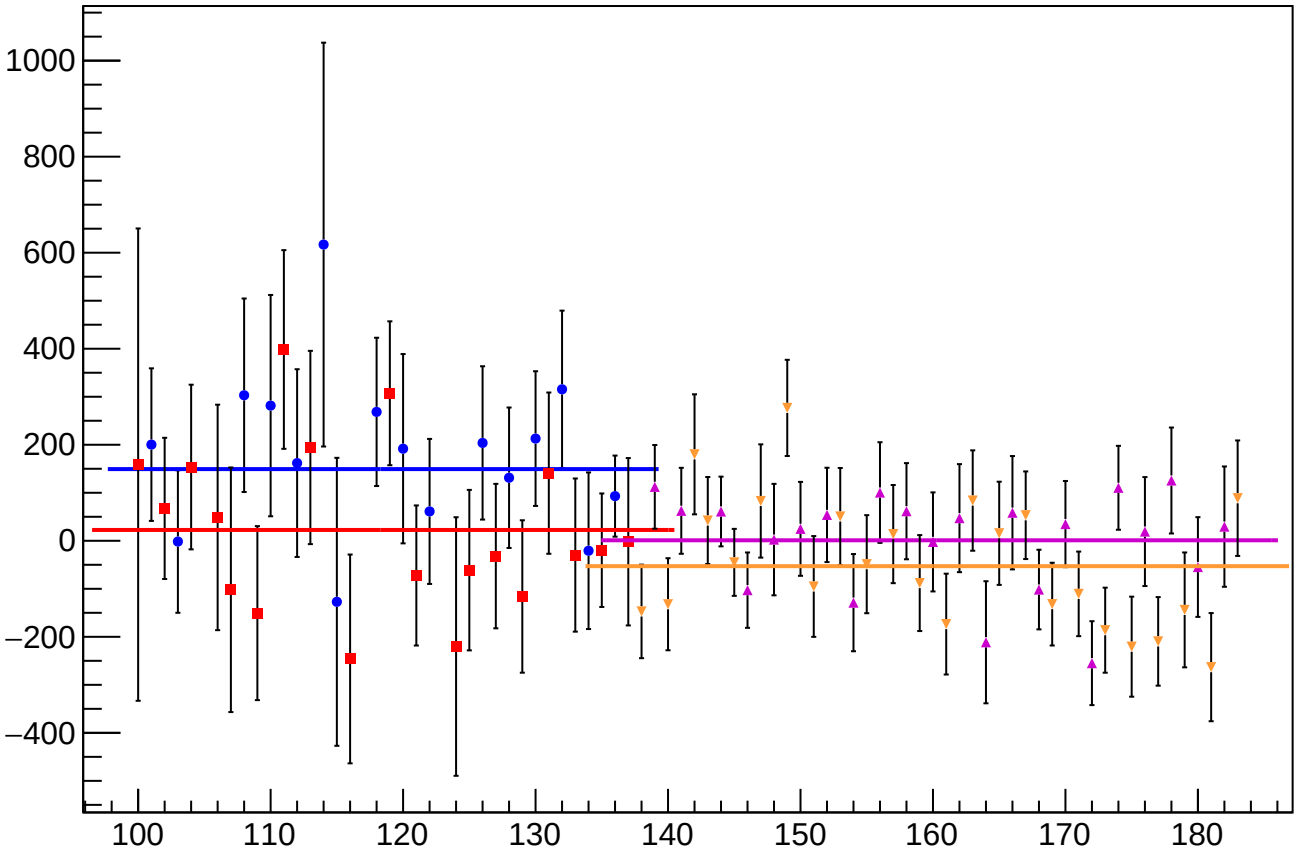
Left: 0.000+/-0.000 χ^2/NDF: 4712319.7/45

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

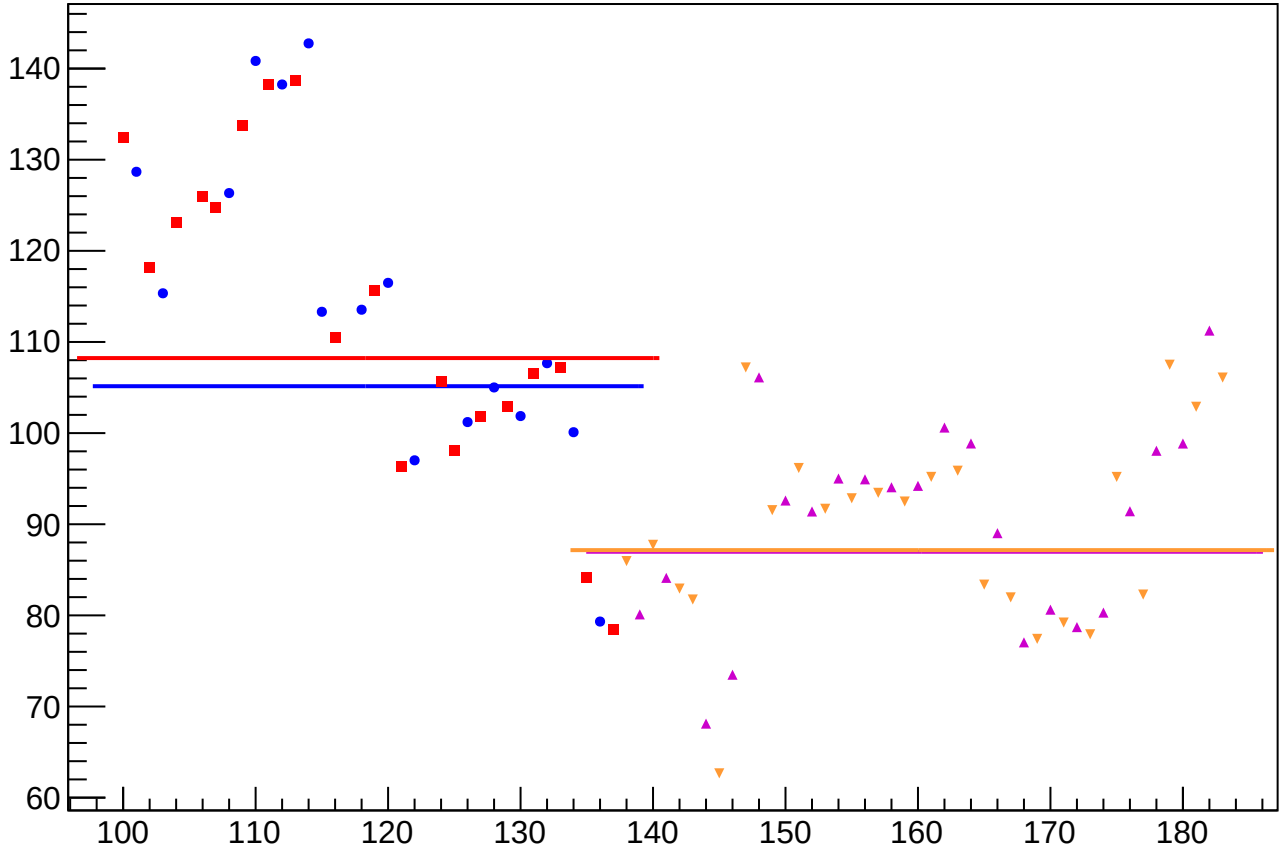
In: 0.000+/-0.000 χ^2/NDF:6633386.8/37

Out: 0.000+/-0.000 χ^2/NDF:8045308.8/42

All: 0.000+/-0.000 χ^2/NDF: 15117046.8/80


reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
Right In: 149.303+/-39.687 χ²/NDF: 8.0/15
Left Out: -52.902+/-20.140 χ²/NDF:39.4/23
Right Out: 22.549+/-40.100 χ²/NDF: 14.2/18
Left In: 1.028+/-20.700 χ²/NDF:24.5/21
Left: -26.676+/-14.435 χ²/NDF: 67.3/45
Right: 86.583+/-28.208 χ²/NDF: 27.3/34
In: 32.739+/-18.354 χ²/NDF:43.4/37
Out: -37.703+/-17.998 χ²/NDF:56.4/42
All: -3.172+/-12.850 χ²/NDF: 107.4/80

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 87.158+/-0.014 χ^2/NDF:618254.3/23

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 86.981+/-0.015 χ^2/NDF:557694.9/21

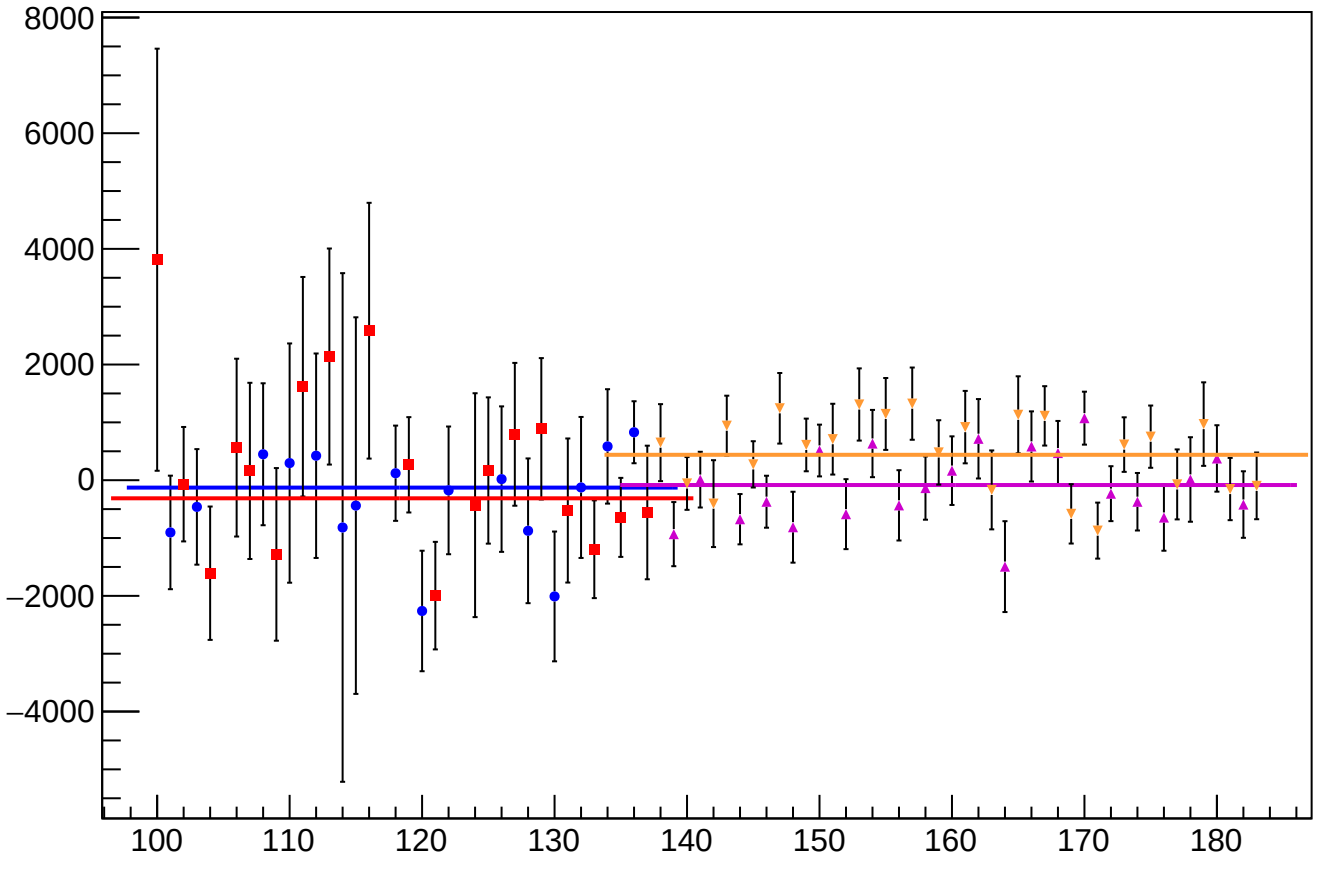
Left: 87.072+/-0.010 χ^2/NDF: 1176024.3/45

Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 90.866+/-0.013 χ^2/NDF:1295480.7/37

Out: 91.403+/-0.013 χ^2/NDF:1409311.7/42

All: 91.140+/-0.009 χ^2/NDF: 2705666.2/80



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 439.162+/-113.387 χ^2/NDF:30.2/23

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: 184.472+/-81.184 χ^2/NDF: 66.7/45

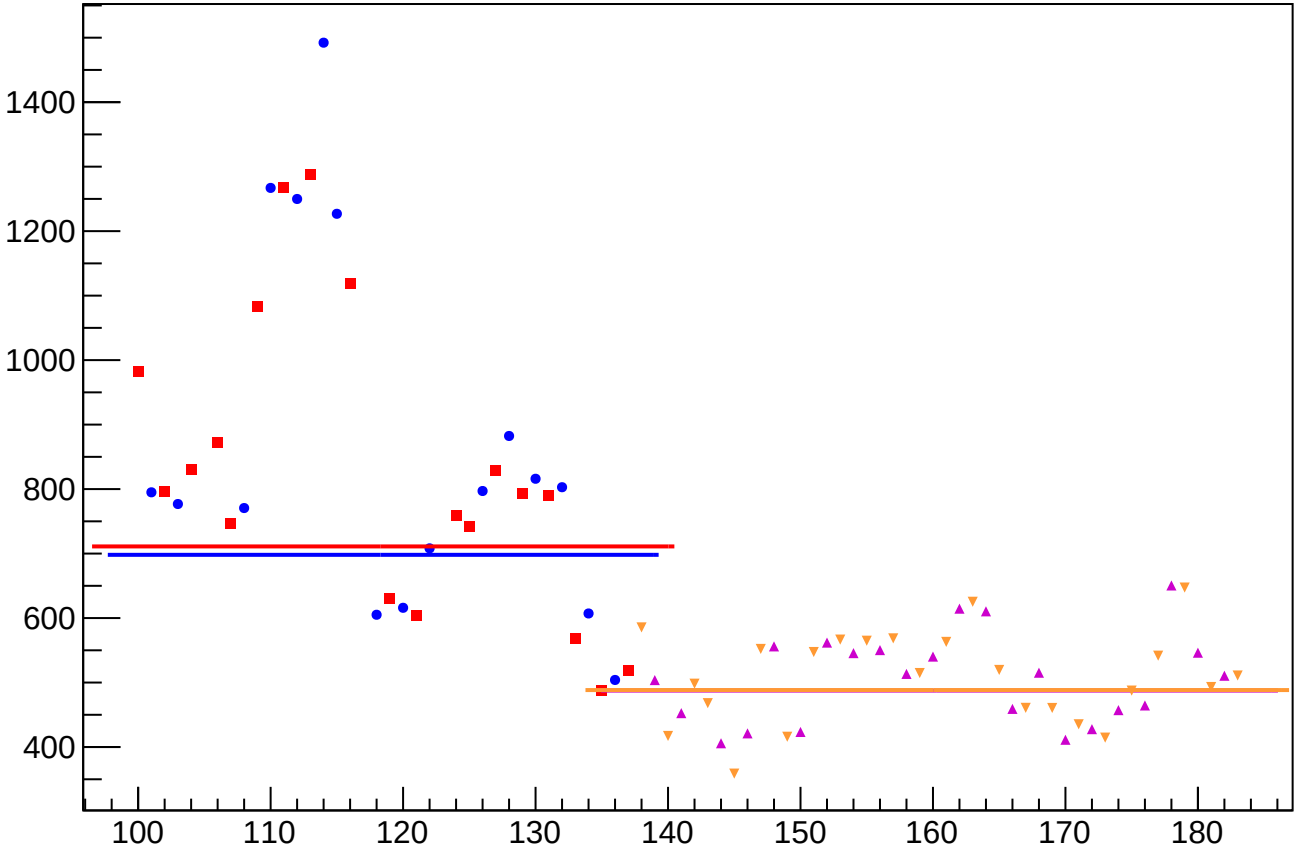
Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -90.471+/-106.718 χ^2/NDF:38.5/37

Out: 326.486+/-104.550 χ^2/NDF:51.8/42

All: 122.286+/-74.683 χ^2/NDF: 98.1/80

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: 488.324+/-0.080 χ^2/NDF:808226.1/23

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 487.519+/-0.082 χ^2/NDF:632597.2/21

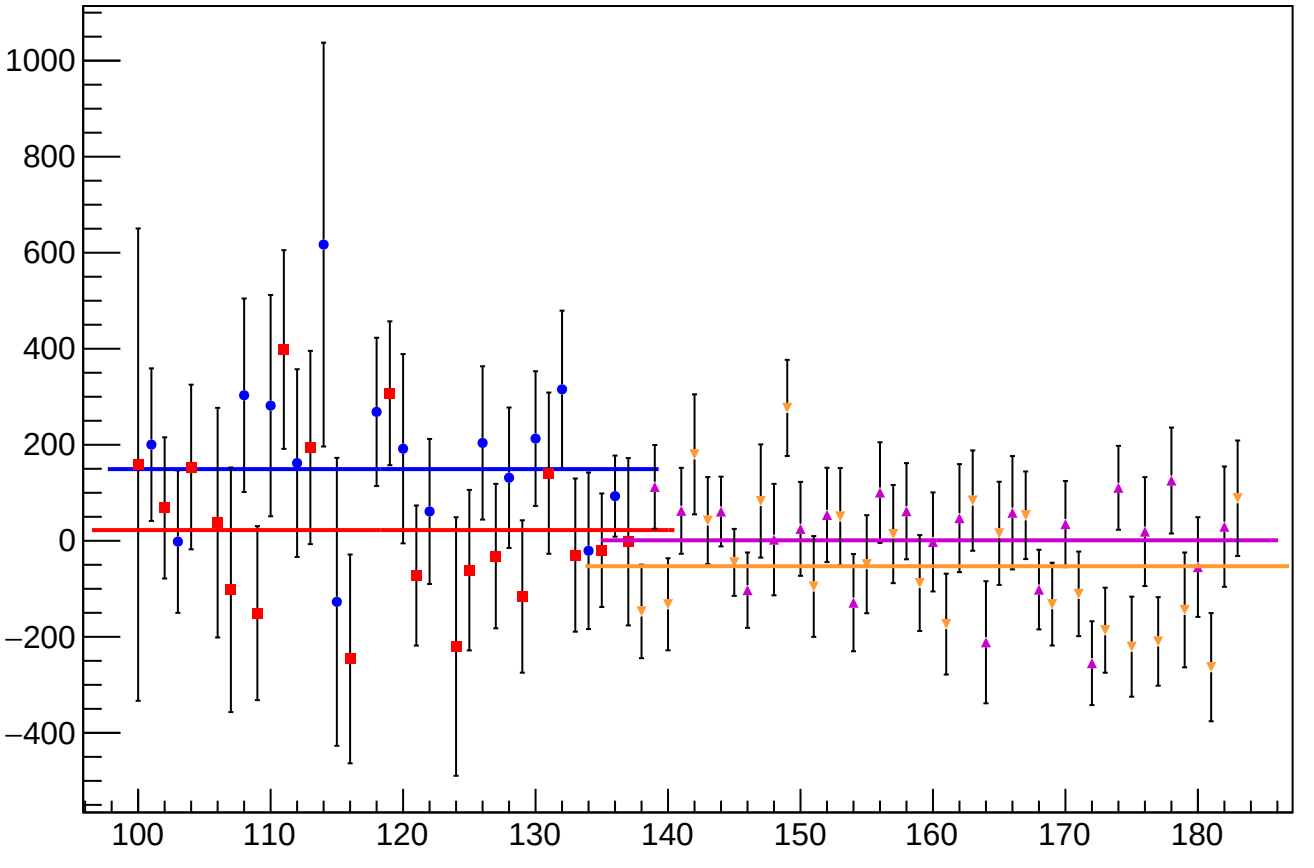
Left: 487.932+/-0.057 χ^2/NDF: 1440872.4/45

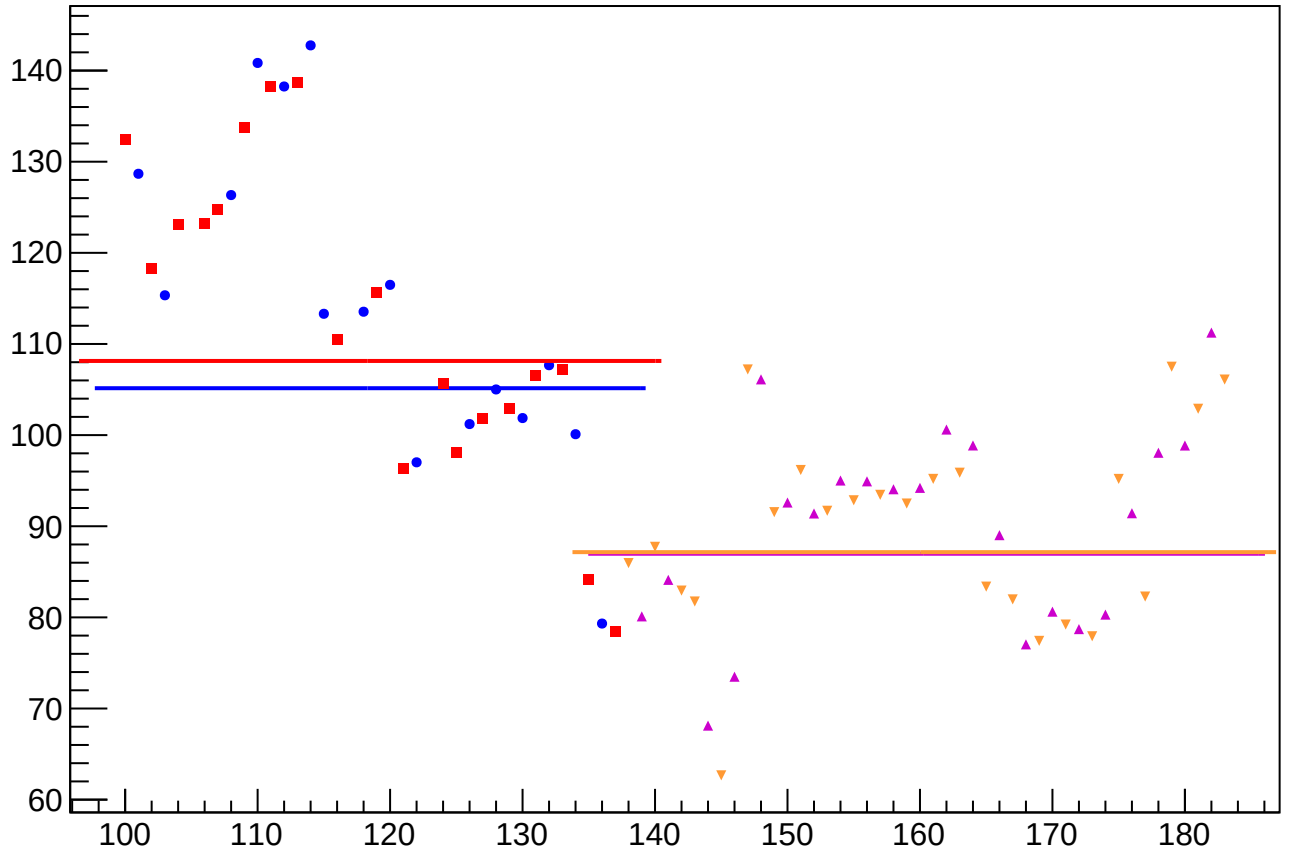
Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 520.751+/-0.075 χ^2/NDF:2580169.8/37

Out: 521.694+/-0.074 χ^2/NDF:2999700.9/42

All: 521.232+/-0.053 χ^2/NDF: 5579950.2/80


cor_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
Right In: 149.294+/-39.687 χ²/NDF: 8.0/15
Left Out: -52.907+/-20.140 χ²/NDF:39.4/23
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: 1.025+/-20.700 χ²/NDF:24.5/21
Left: -26.680+/-14.435 χ²/NDF: 67.3/45
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 32.735+/-18.354 χ²/NDF:43.4/37
Out: -37.772+/-18.000 χ²/NDF:56.4/42
All: -3.204+/-12.851 χ²/NDF: 107.4/80



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.158+/-0.014 χ^2/NDF:618254.4/23

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: 87.072+/-0.010 χ^2/NDF: 1176024.3/45

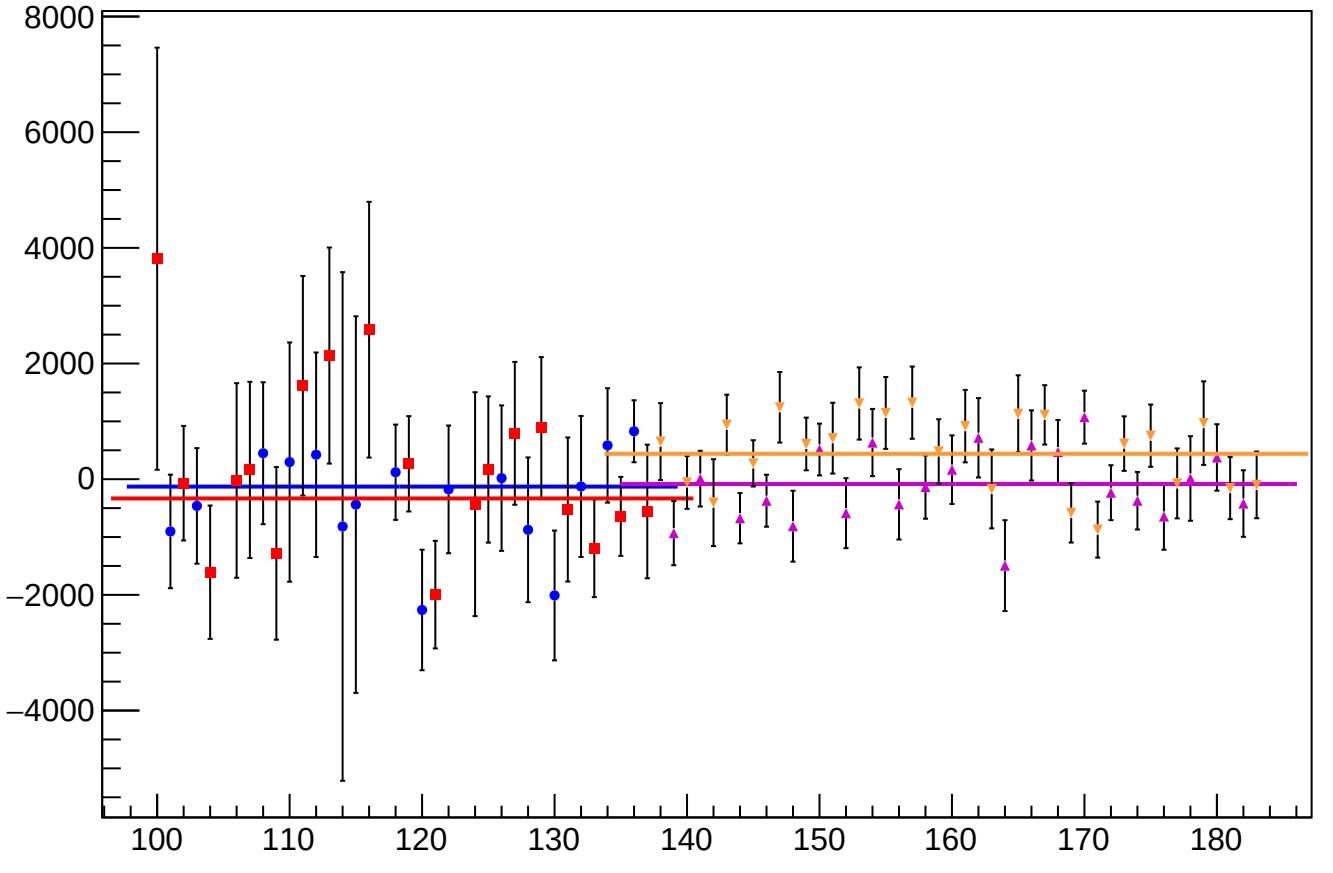
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.866+/-0.013 χ^2/NDF:1295481.1/37

Out: 91.380+/-0.013 χ^2/NDF:1401287.4/42

All: 91.128+/-0.009 χ^2/NDF: 2697568.6/80

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 439.157+/-113.387 χ^2/NDF:30.2/23

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -83.425+/-116.290 χ^2/NDF:26.1/21

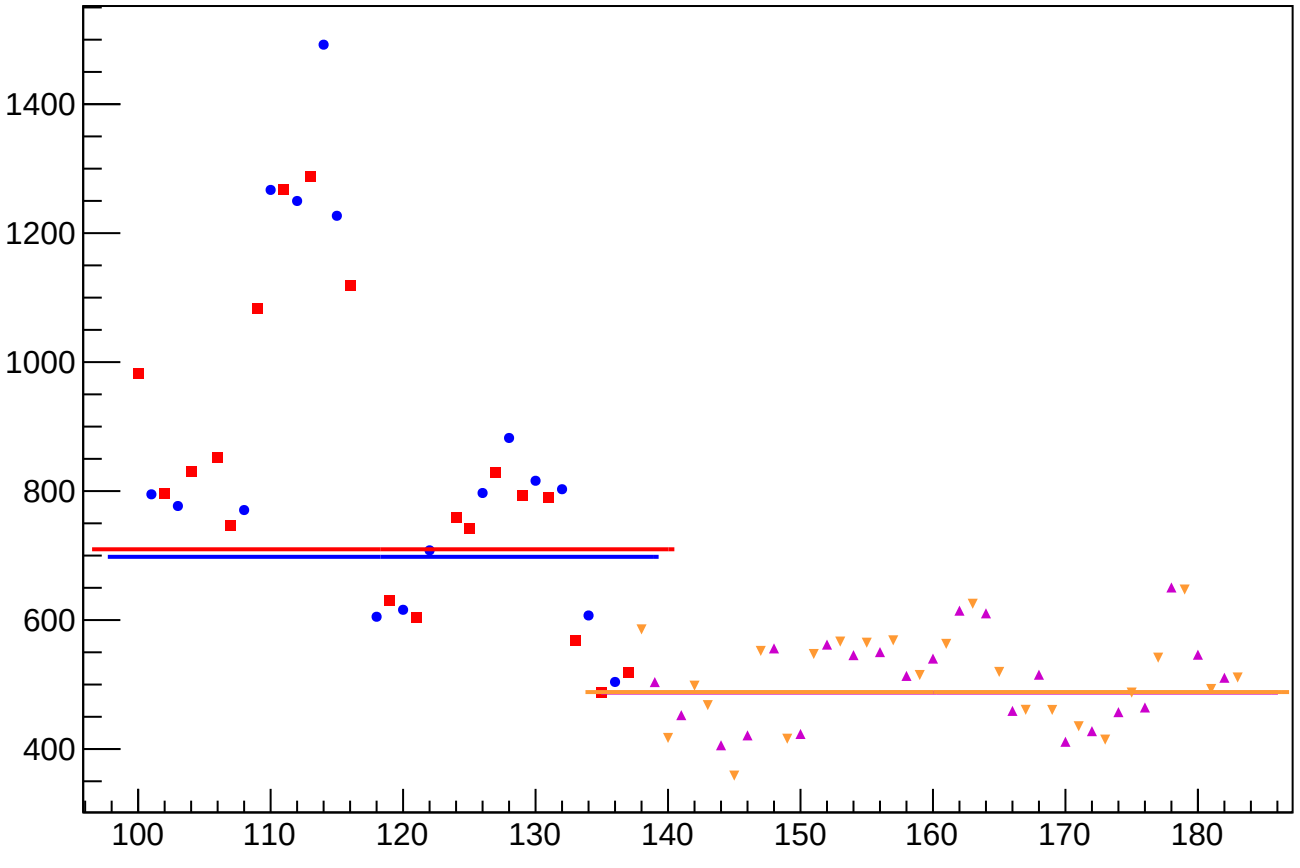
Left: 184.470+/-81.184 χ^2/NDF: 66.7/45

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -90.468+/-106.718 χ^2/NDF:38.5/37

Out: 324.051+/-104.591 χ^2/NDF:51.9/42

All: 120.964+/-74.698 χ^2/NDF: 98.0/80



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 488.325+/-0.080 χ^2/NDF:808222.9/23

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 487.519+/-0.082 χ^2/NDF:632600.9/21

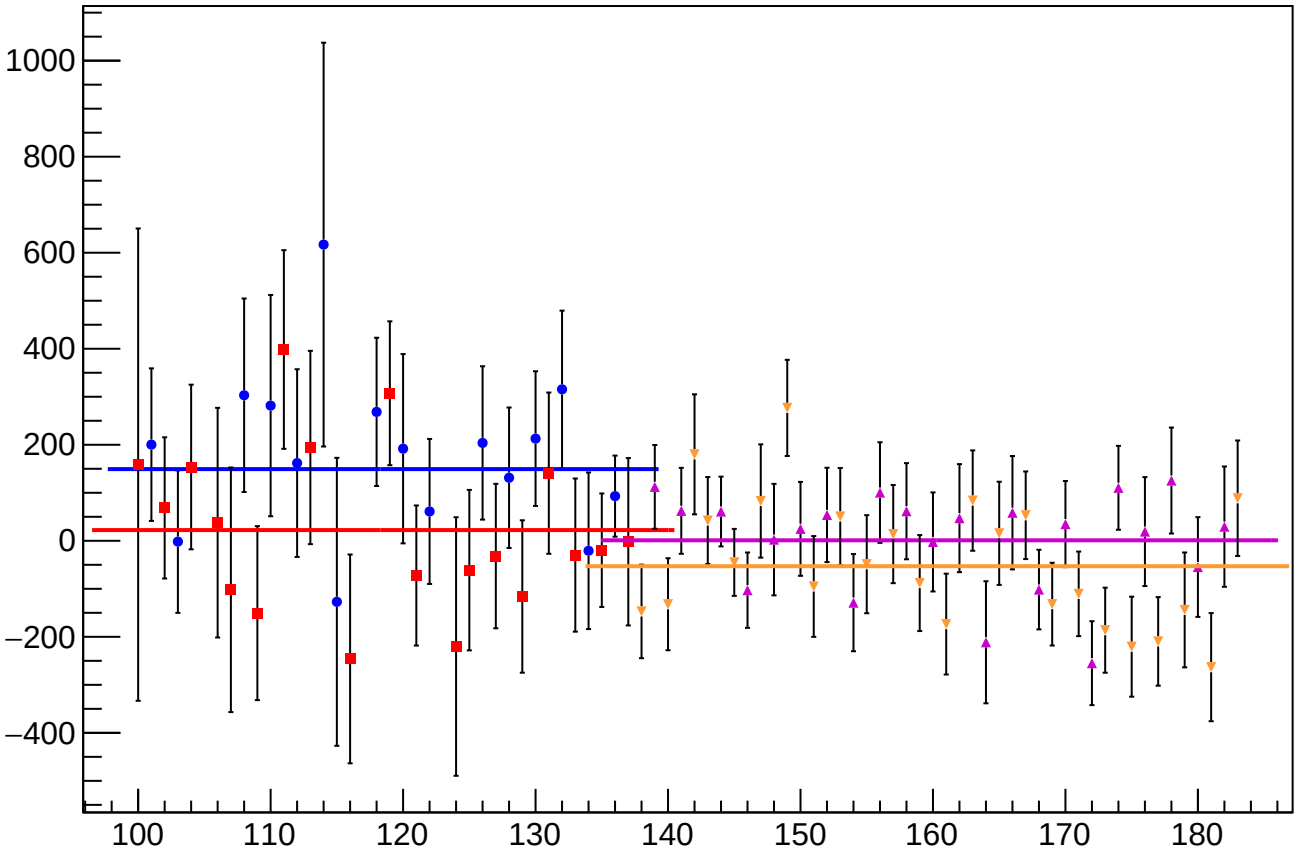
Left: 487.932+/-0.057 χ^2/NDF: 1440873.0/45

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 520.751+/-0.075 χ^2/NDF:2580186.9/37

Out: 521.346+/-0.074 χ^2/NDF:2972779.1/42

All: 521.055+/-0.053 χ^2/NDF: 5552997.8/80



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -52.907+/-20.140 χ^2/NDF:39.4/23

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 1.025+/-20.700 χ^2/NDF:24.5/21

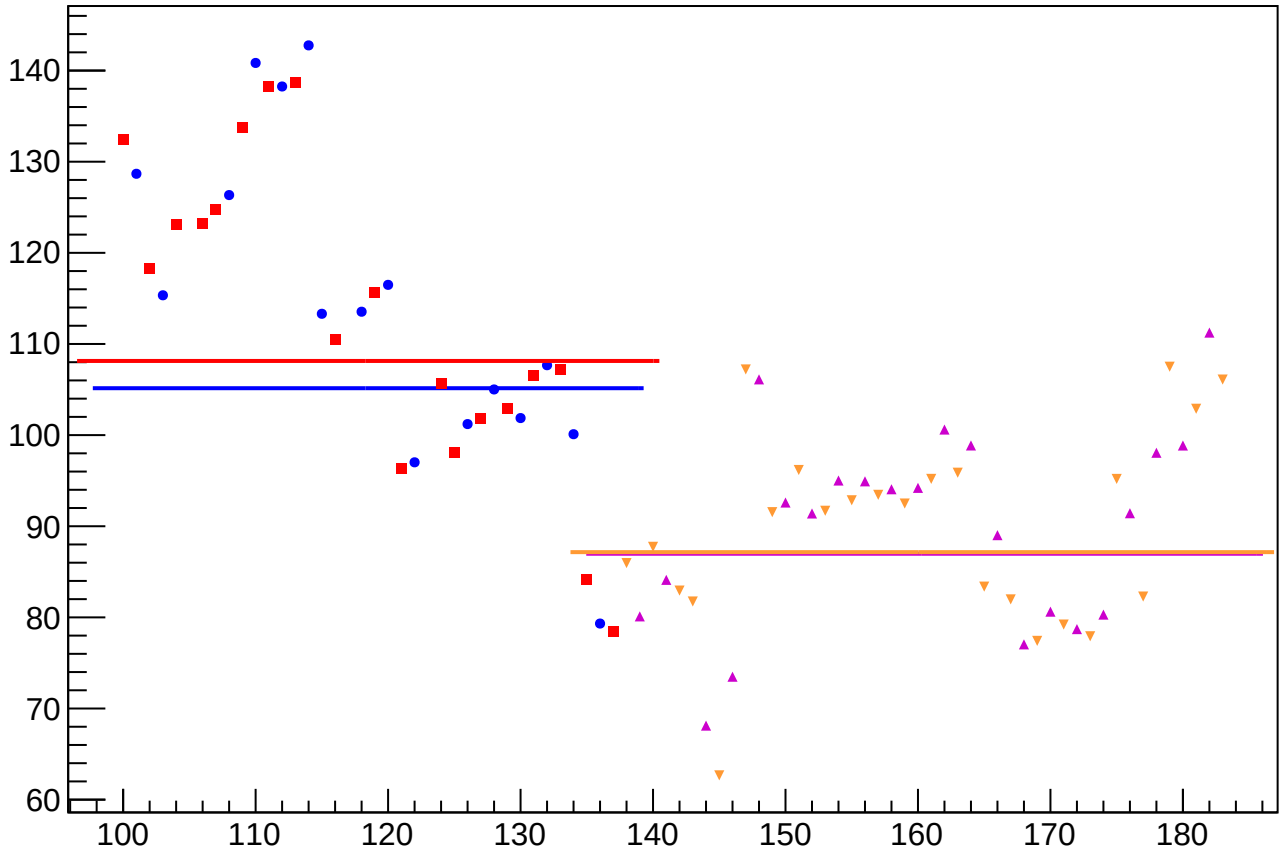
Left: -26.680+/-14.435 χ^2/NDF: 67.3/45

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 32.735+/-18.354 χ^2/NDF:43.4/37

Out: -37.772+/-18.000 χ^2/NDF:56.4/42

All: -3.204+/-12.851 χ^2/NDF: 107.4/80



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.158+/-0.014 χ^2/NDF:618254.4/23

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: 87.072+/-0.010 χ^2/NDF: 1176024.3/45

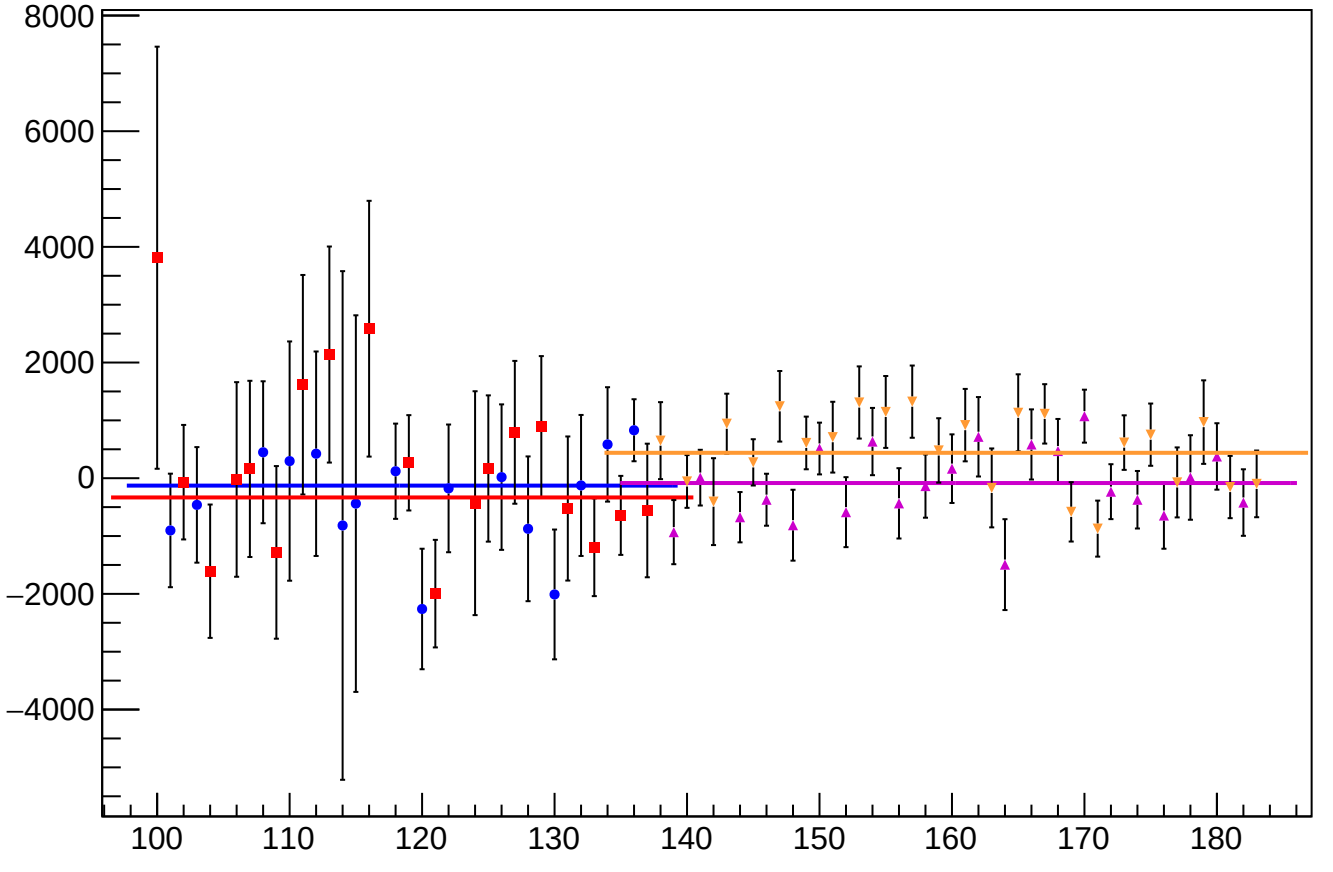
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.866+/-0.013 χ^2/NDF:1295481.1/37

Out: 91.380+/-0.013 χ^2/NDF:1401287.4/42

All: 91.128+/-0.009 χ^2/NDF: 2697568.6/80

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: 439.157+/-113.387 χ^2/NDF:30.2/23

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: 184.470+/-81.184 χ^2/NDF: 66.7/45

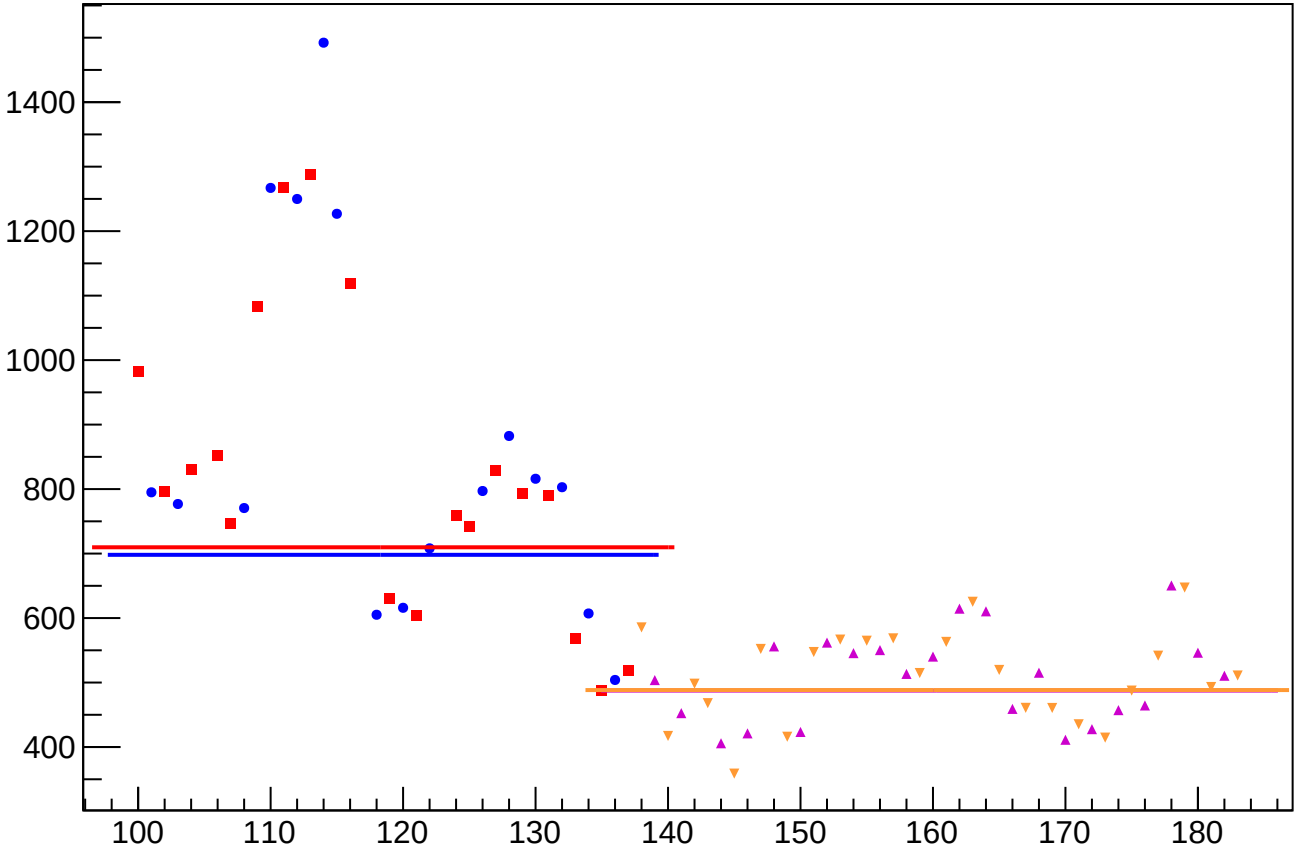
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -90.468+/-106.718 χ^2/NDF:38.5/37

Out: 324.051+/-104.591 χ^2/NDF:51.9/42

All: 120.964+/-74.698 χ^2/NDF: 98.0/80

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: 488.325+/-0.080 χ^2/NDF:808222.9/23

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 487.519+/-0.082 χ^2/NDF:632600.9/21

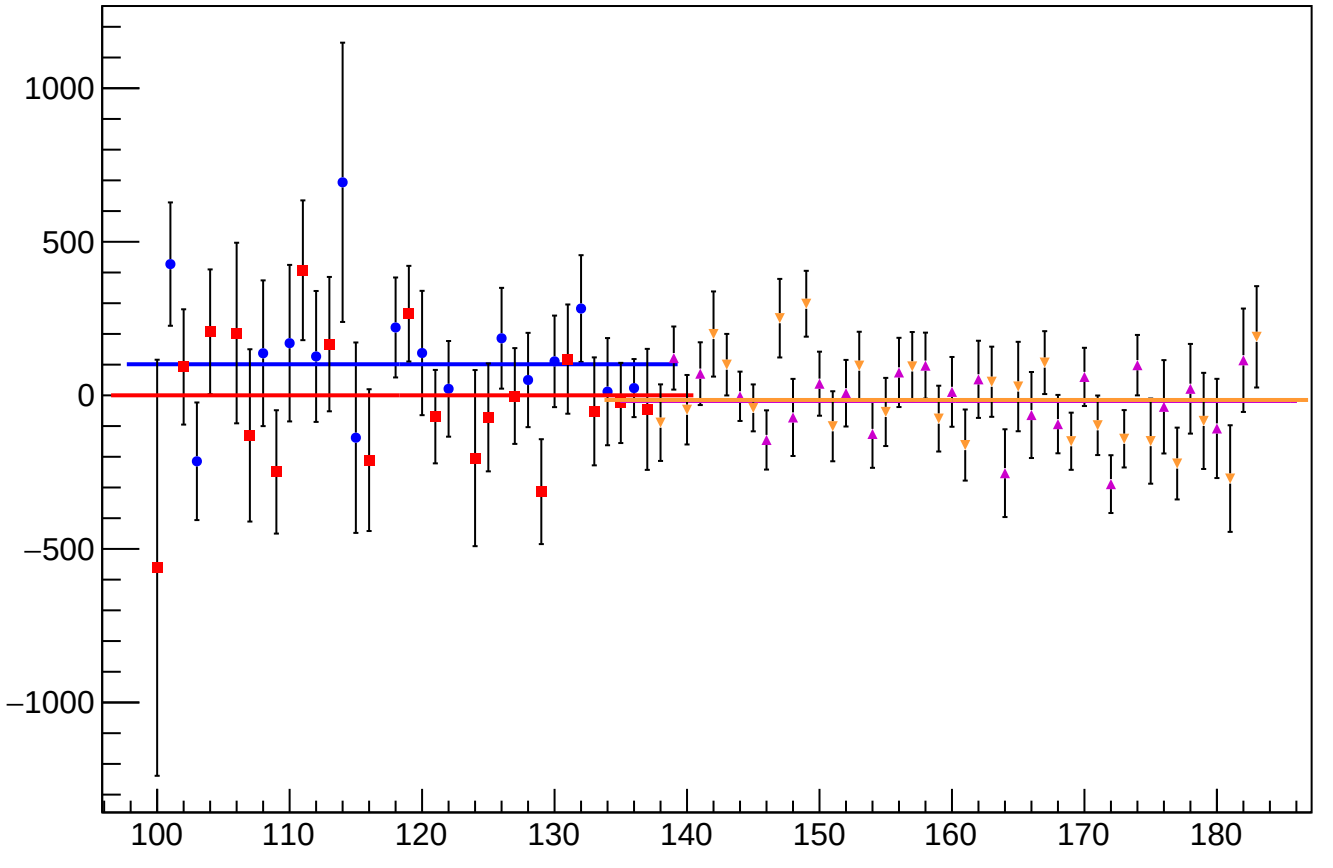
Left: 487.932+/-0.057 χ^2/NDF: 1440873.0/45

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 520.751+/-0.075 χ^2/NDF:2580186.9/37

Out: 521.346+/-0.074 χ^2/NDF:2972779.1/42

All: 521.055+/-0.053 χ^2/NDF: 5552997.8/80



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -15.034+/-23.021 χ^2/NDF:36.1/23

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -18.329+/-23.677 χ^2/NDF:22.9/21

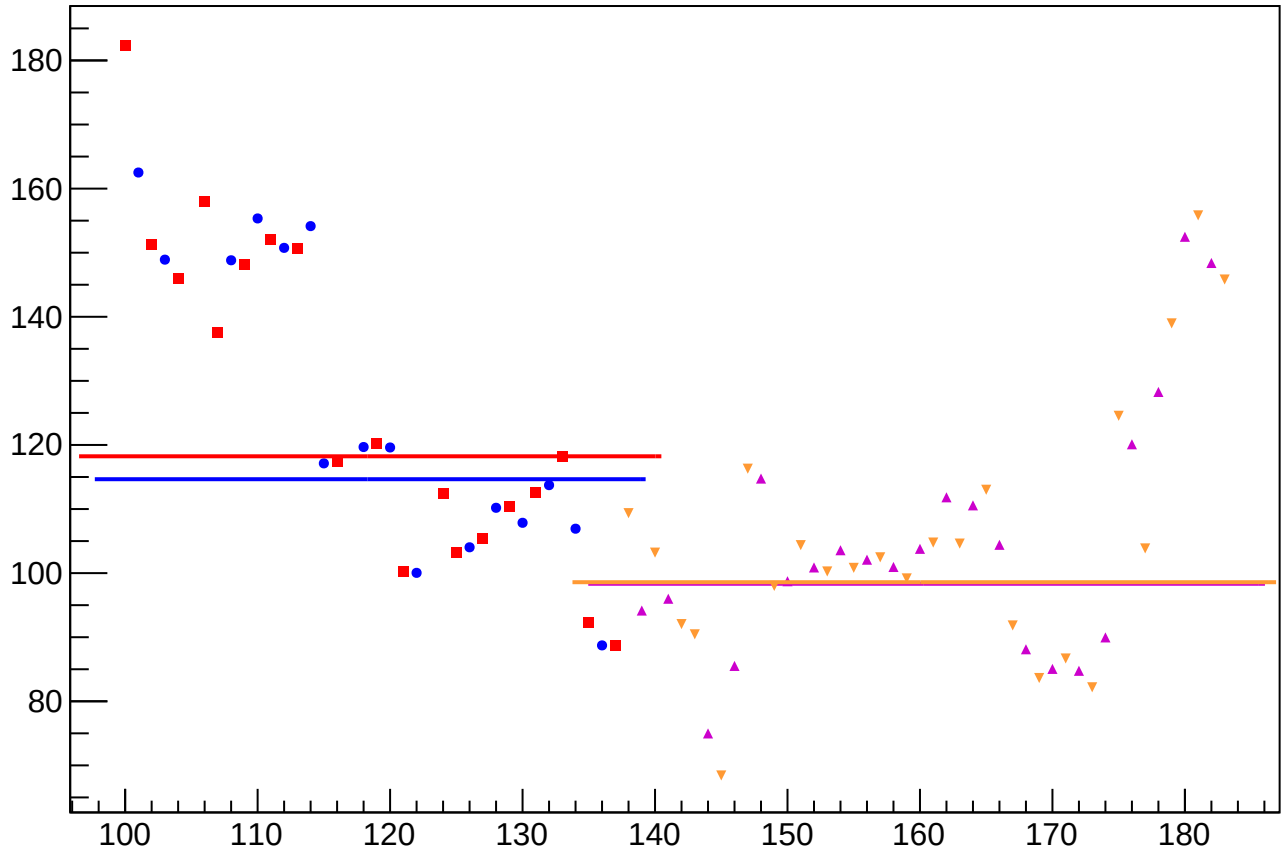
Left: -16.635+/-16.506 χ^2/NDF: 59.0/45

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 8.999+/-20.797 χ^2/NDF:39.7/37

Out: -11.780+/-20.402 χ^2/NDF:52.8/42

All: -1.590+/-14.564 χ^2/NDF: 93.0/80



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 98.583+/-0.016 χ^2/NDF:1166536.3/23

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 98.338+/-0.017 χ^2/NDF:943190.4/21

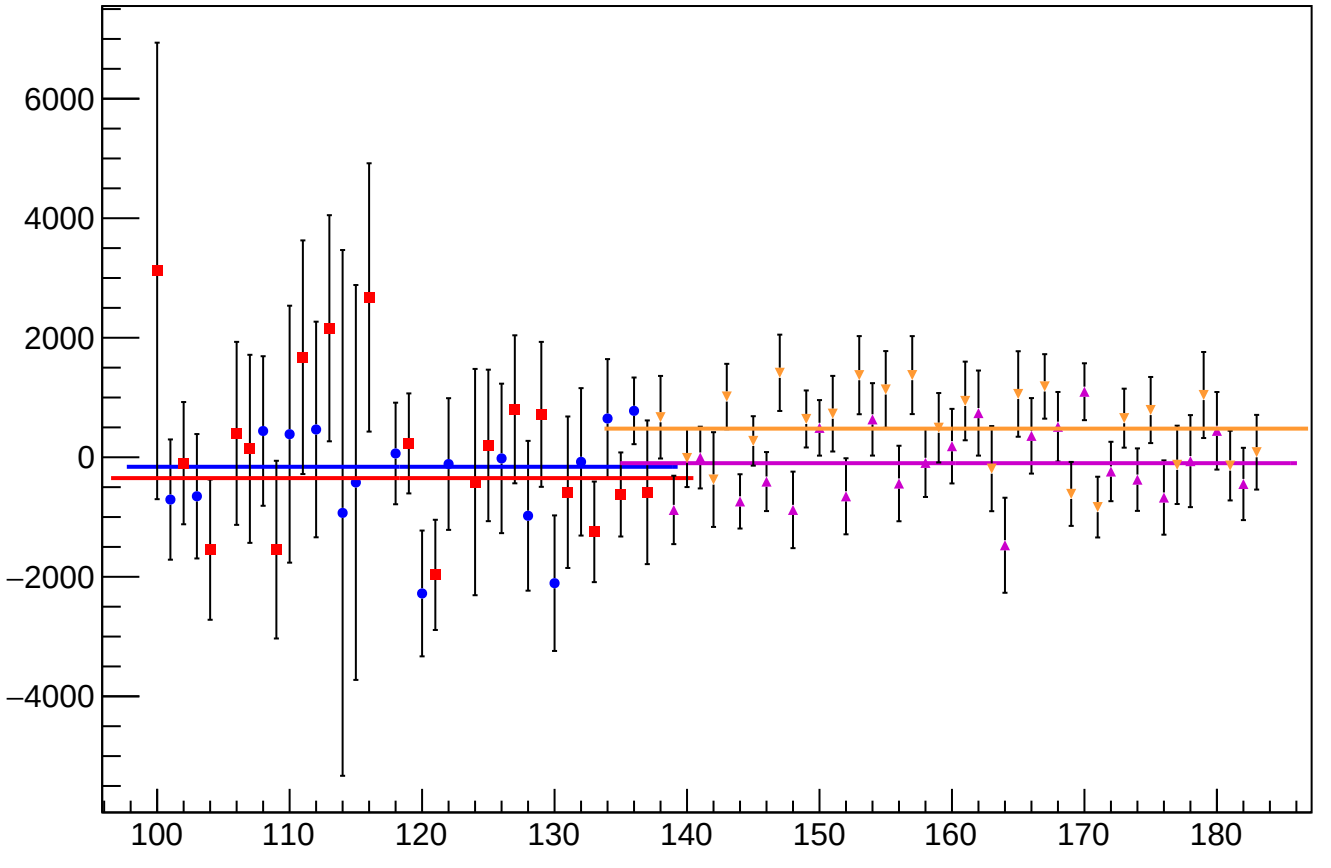
Left: 98.464+/-0.012 χ^2/NDF: 2109836.3/45

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 102.066+/-0.015 χ^2/NDF:1692160.2/37

Out: 102.800+/-0.014 χ^2/NDF:1962635.1/42

All: 102.440+/-0.010 χ^2/NDF: 3656065.1/80



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 479.351+/-118.942 χ^2/NDF:28.7/23

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: 198.750+/-85.325 χ^2/NDF: 64.8/45

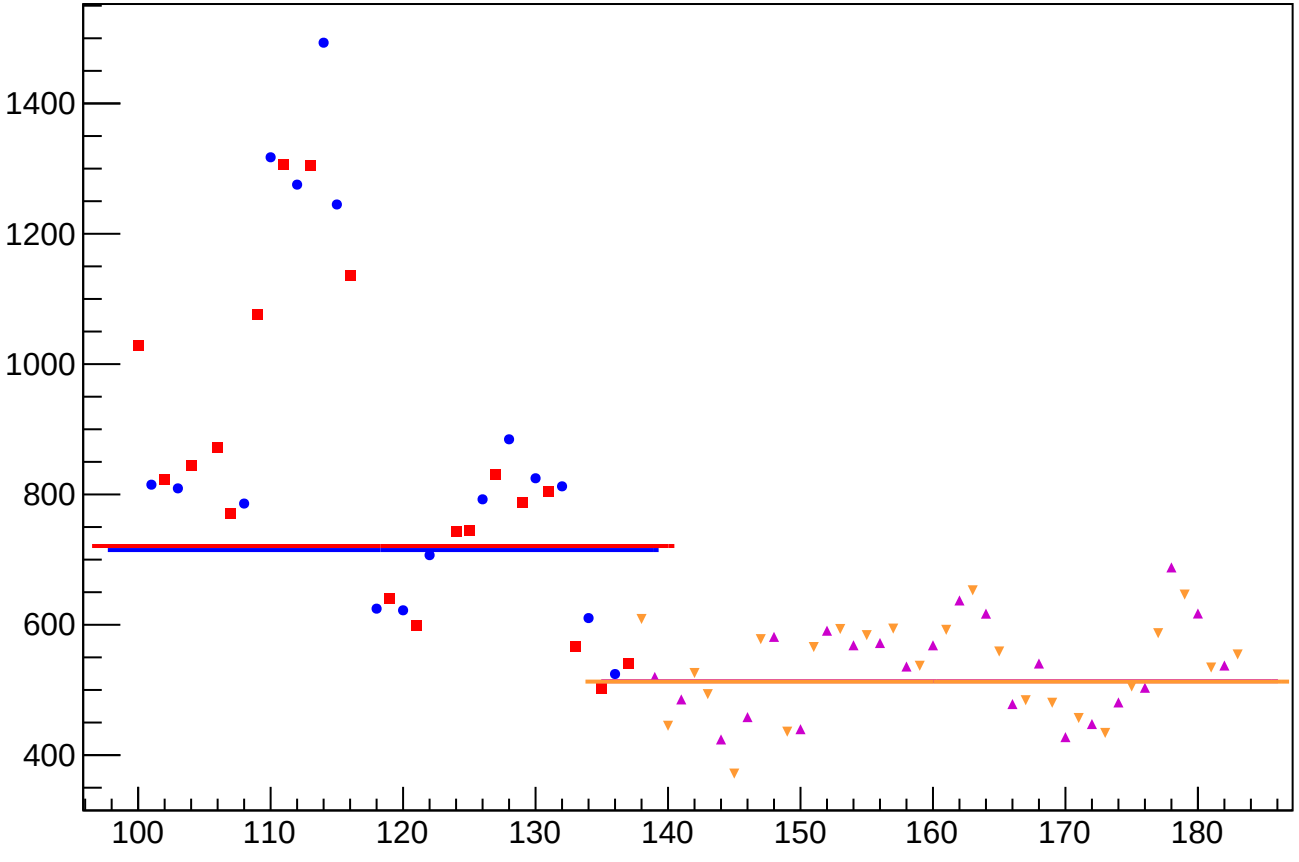
Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -108.763+/-111.847 χ^2/NDF:36.7/37

Out: 347.757+/-109.080 χ^2/NDF:50.7/42

All: 125.215+/-78.091 χ^2/NDF: 95.9/80

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: 512.811+/-0.084 χ^2/NDF:799221.4/23

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 513.418+/-0.087 χ^2/NDF:633985.0/21

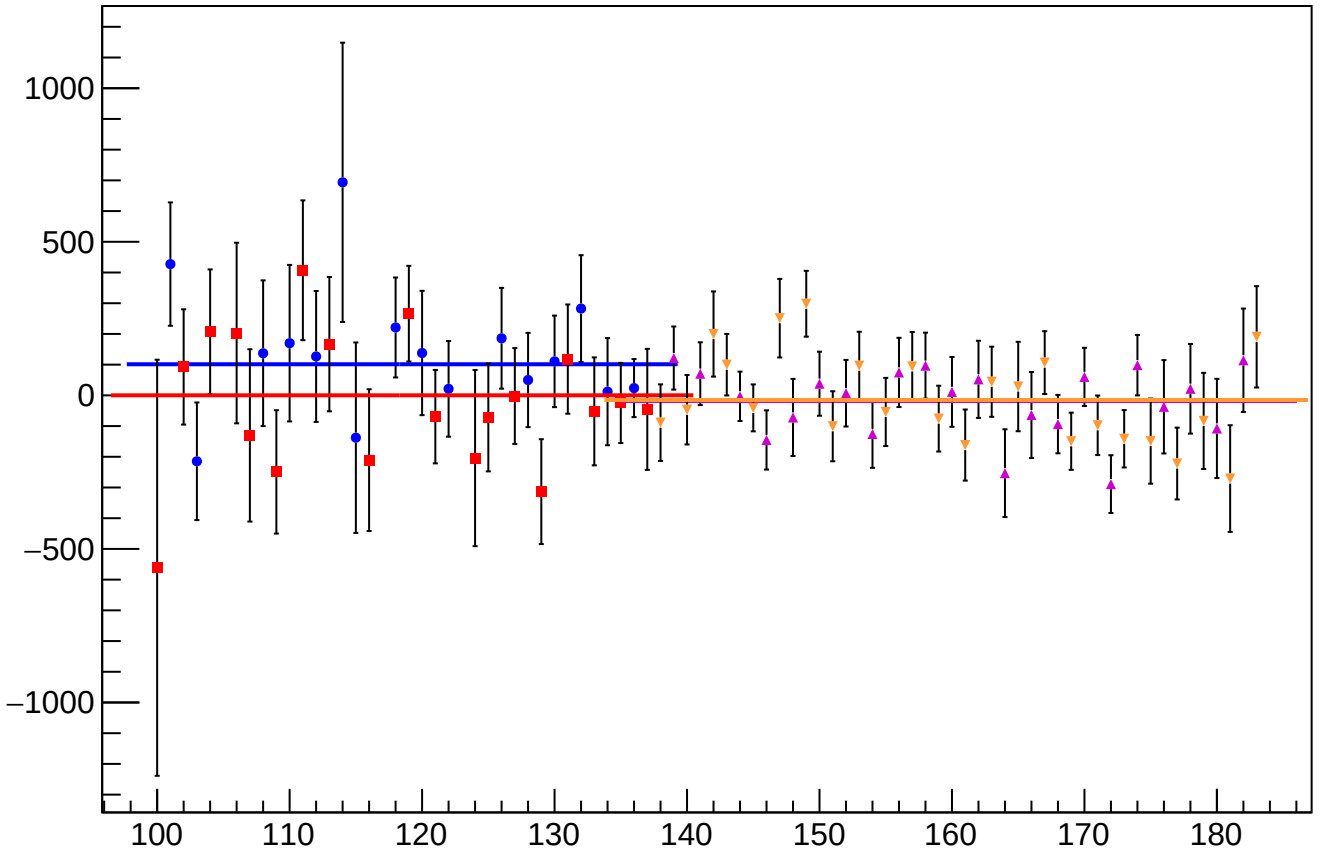
Left: 513.106+/-0.060 χ^2/NDF: 1433231.7/45

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 546.816+/-0.079 χ^2/NDF:2406425.4/37

Out: 545.885+/-0.077 χ^2/NDF:2790558.4/42

All: 546.339+/-0.055 χ^2/NDF: 5197054.8/80



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -15.036+/-23.021 χ^2/NDF:36.1/23

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -18.329+/-23.677 χ^2/NDF:22.9/21

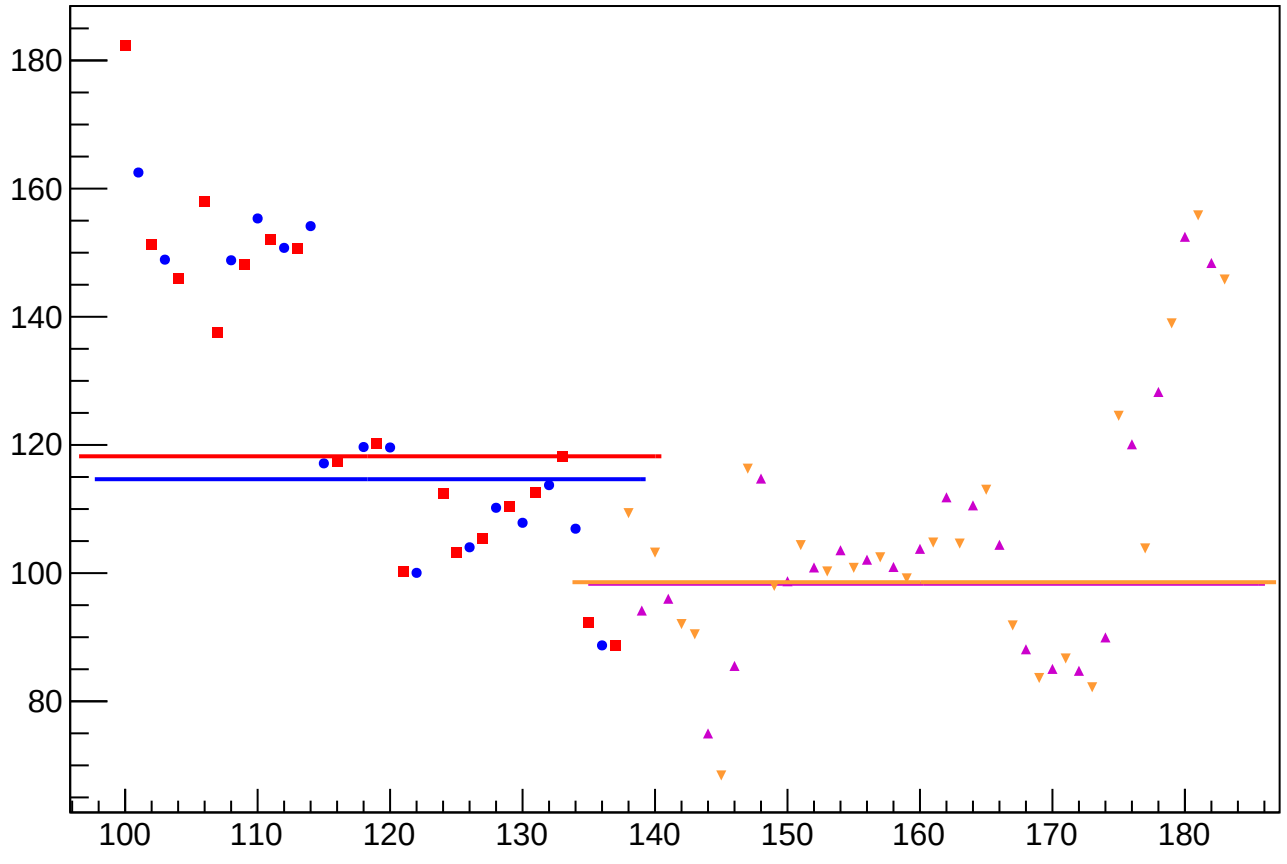
Left: -16.636+/-16.506 χ^2/NDF: 59.0/45

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 8.998+/-20.797 χ^2/NDF:39.7/37

Out: -11.782+/-20.402 χ^2/NDF:52.8/42

All: -1.591+/-14.564 χ^2/NDF: 93.0/80



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 98.583+/-0.016 χ^2/NDF:1166541.4/23

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: 98.464+/-0.012 χ^2/NDF: 2109832.1/45

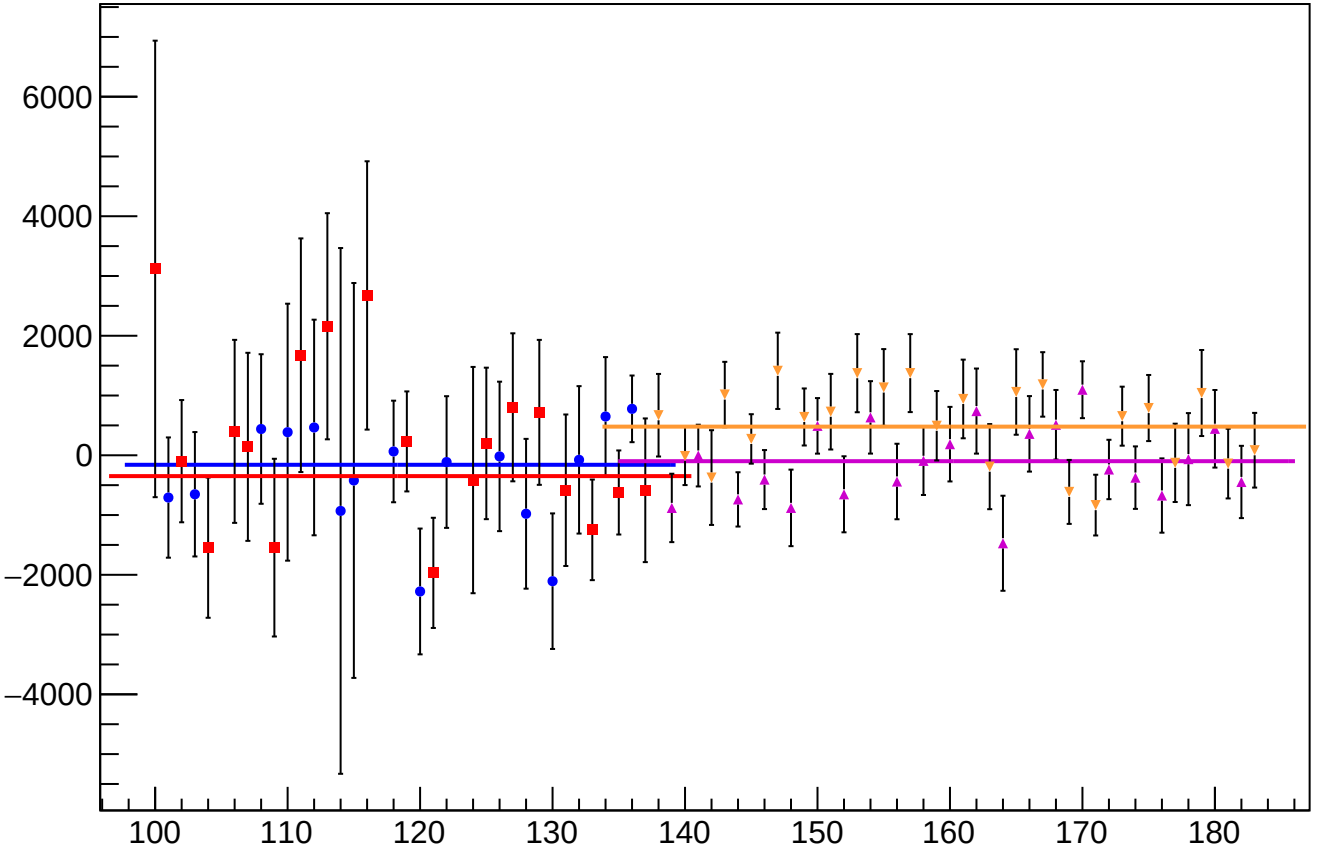
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 102.066+/-0.015 χ^2/NDF:1692141.8/37

Out: 102.800+/-0.014 χ^2/NDF:1962635.1/42

All: 102.440+/-0.010 χ^2/NDF: 3656046.6/80

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: 479.350+/-118.942 χ^2/NDF:28.7/23

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: 198.750+/-85.324 χ^2/NDF: 64.8/45

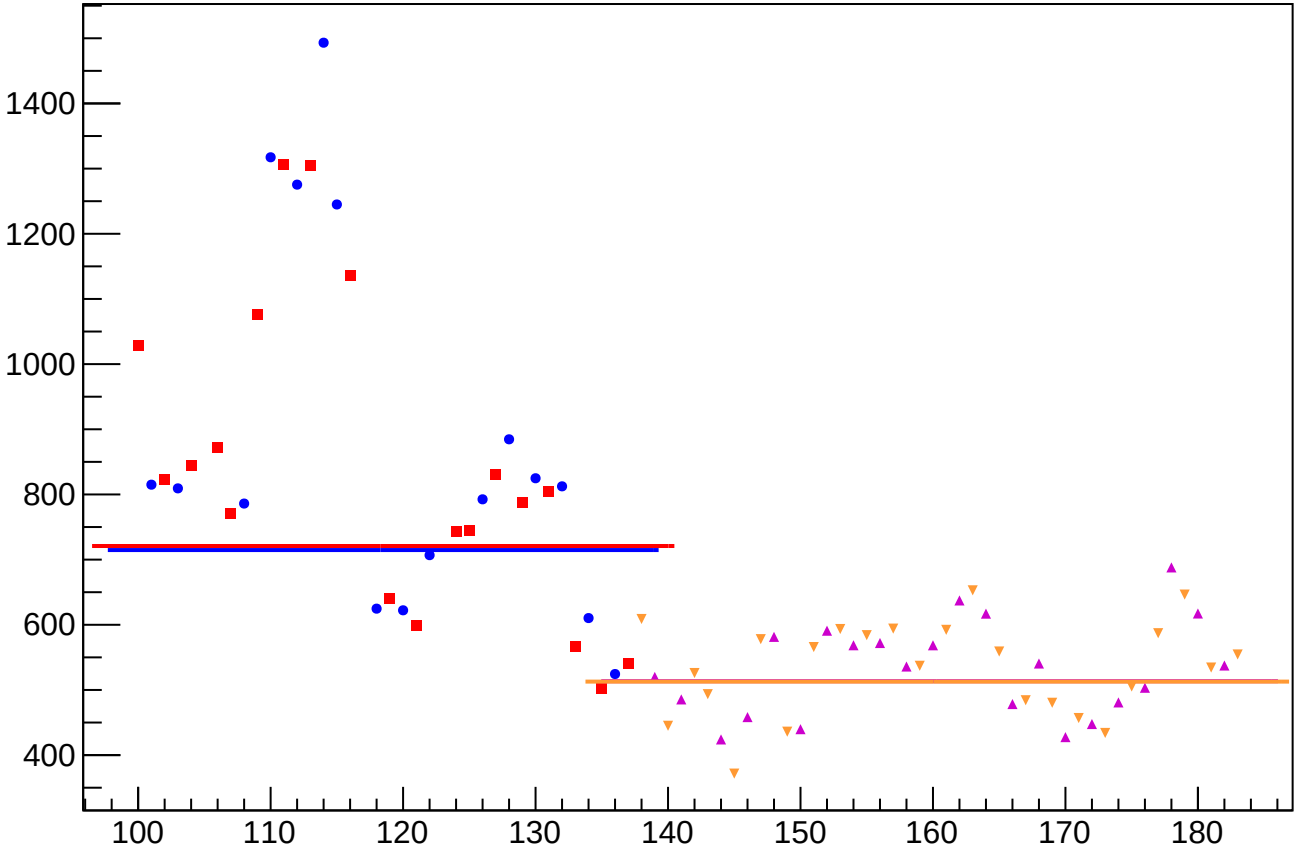
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -108.763+/-111.847 χ^2/NDF:36.7/37

Out: 347.755+/-109.080 χ^2/NDF:50.7/42

All: 125.214+/-78.091 χ^2/NDF: 95.9/80

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: 512.810+/-0.084 χ^2/NDF:799220.9/23

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: 513.105+/-0.060 χ^2/NDF: 1433228.9/45

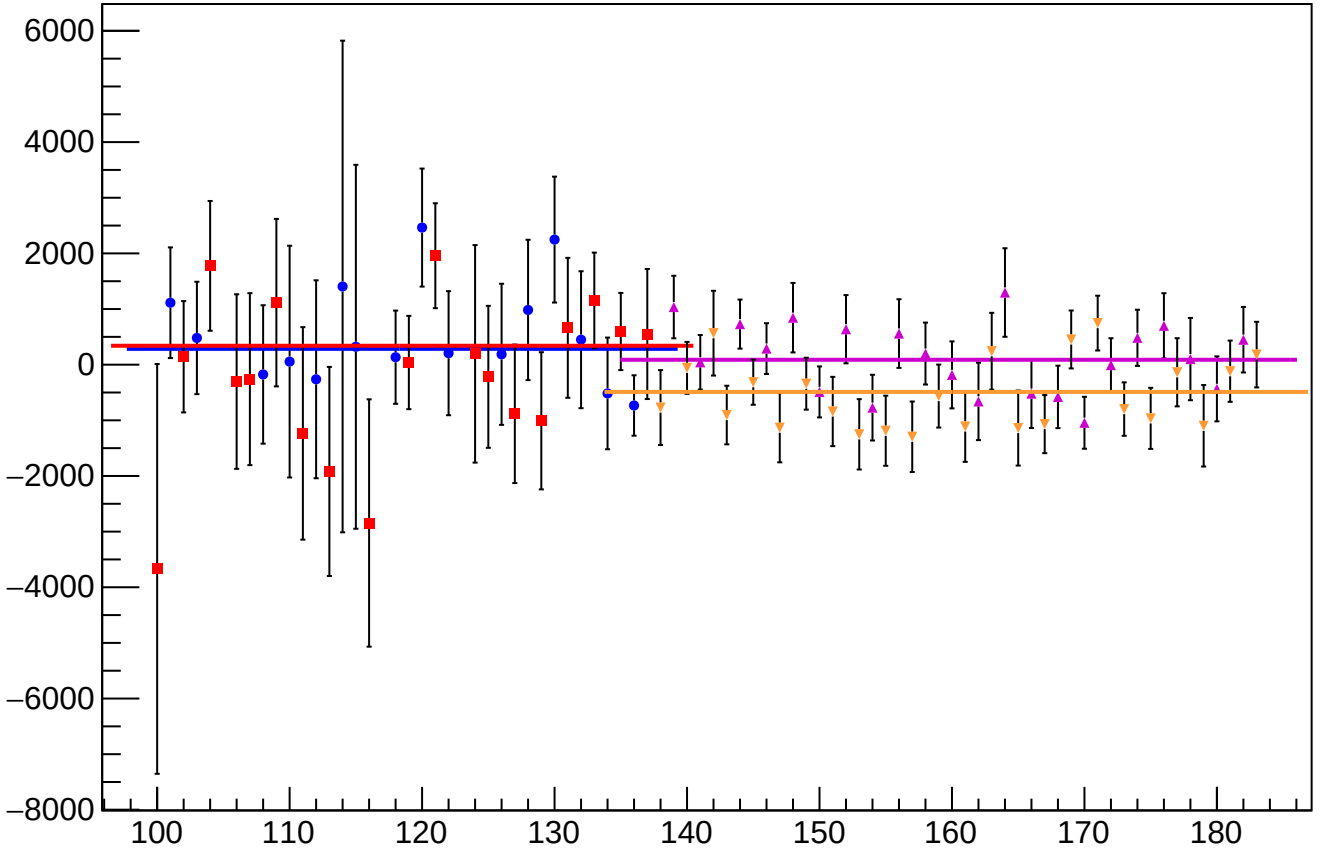
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 546.816+/-0.079 χ^2/NDF:2406419.2/37

Out: 545.884+/-0.077 χ^2/NDF:2790552.4/42

All: 546.338+/-0.055 χ^2/NDF: 5197042.6/80

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -489.167+/-115.298 χ^2/NDF:27.3/23

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: -207.745+/-82.547 χ^2/NDF: 66.2/45

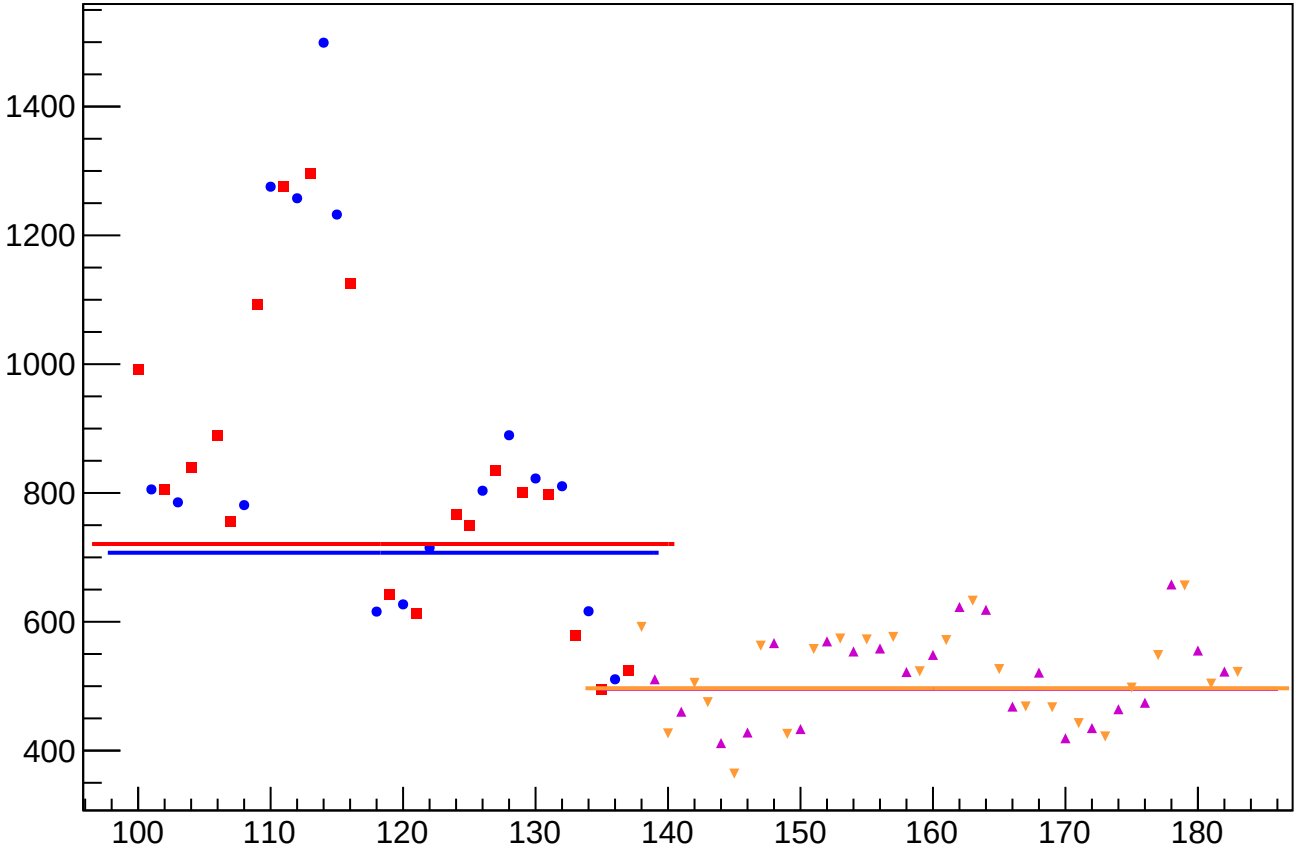
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 119.461+/-108.431 χ^2/NDF:39.8/37

Out: -364.123+/-106.249 χ^2/NDF:49.2/42

All: -127.247+/-75.889 χ^2/NDF: 99.2/80

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 496.764+/-0.082 χ^2/NDF:791883.3/23

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 495.832+/-0.084 χ^2/NDF:620157.5/21

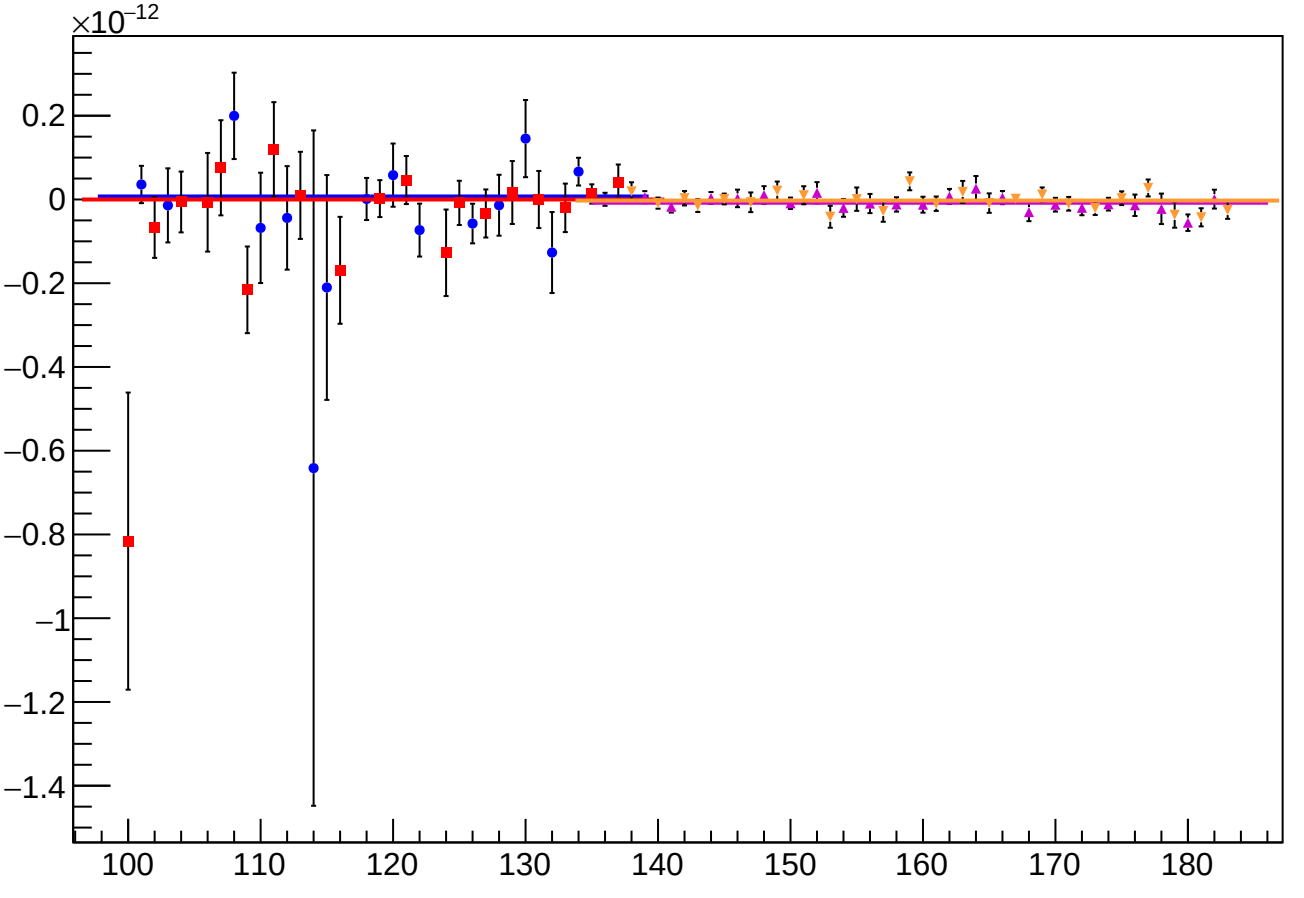
Left: 496.310+/-0.058 χ^2/NDF: 1412104.4/45

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 529.438+/-0.077 χ^2/NDF:2533074.2/37

Out: 530.546+/-0.075 χ^2/NDF:2945709.7/42

All: 530.003+/-0.054 χ^2/NDF: 5478890.4/80



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:14.7/21

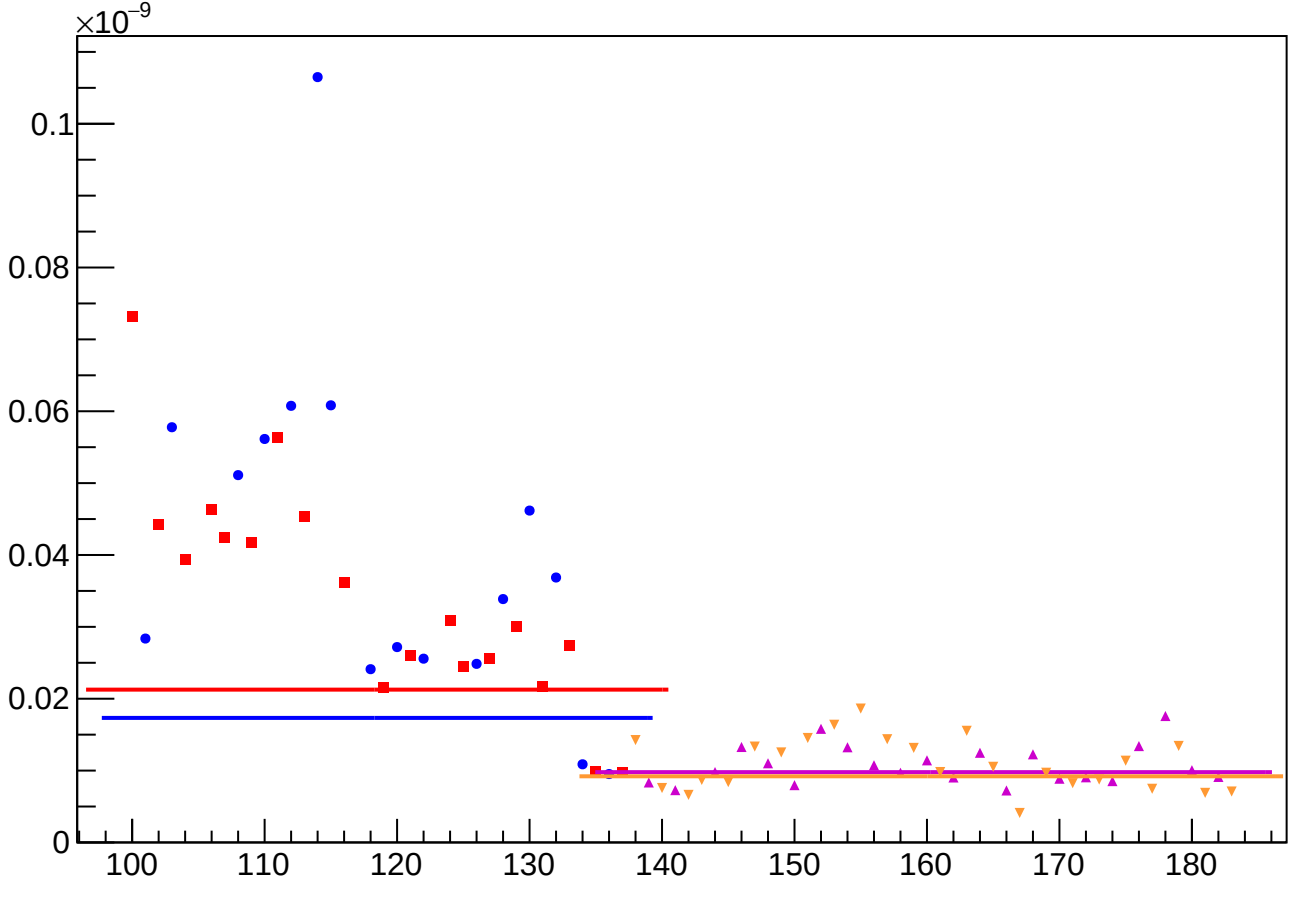
Left: -0.000+/-0.000 χ^2/NDF: 38.3/45

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:40.4/42

All: -0.000+/-0.000 χ^2/NDF: 74.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1817154.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:619265.8/21

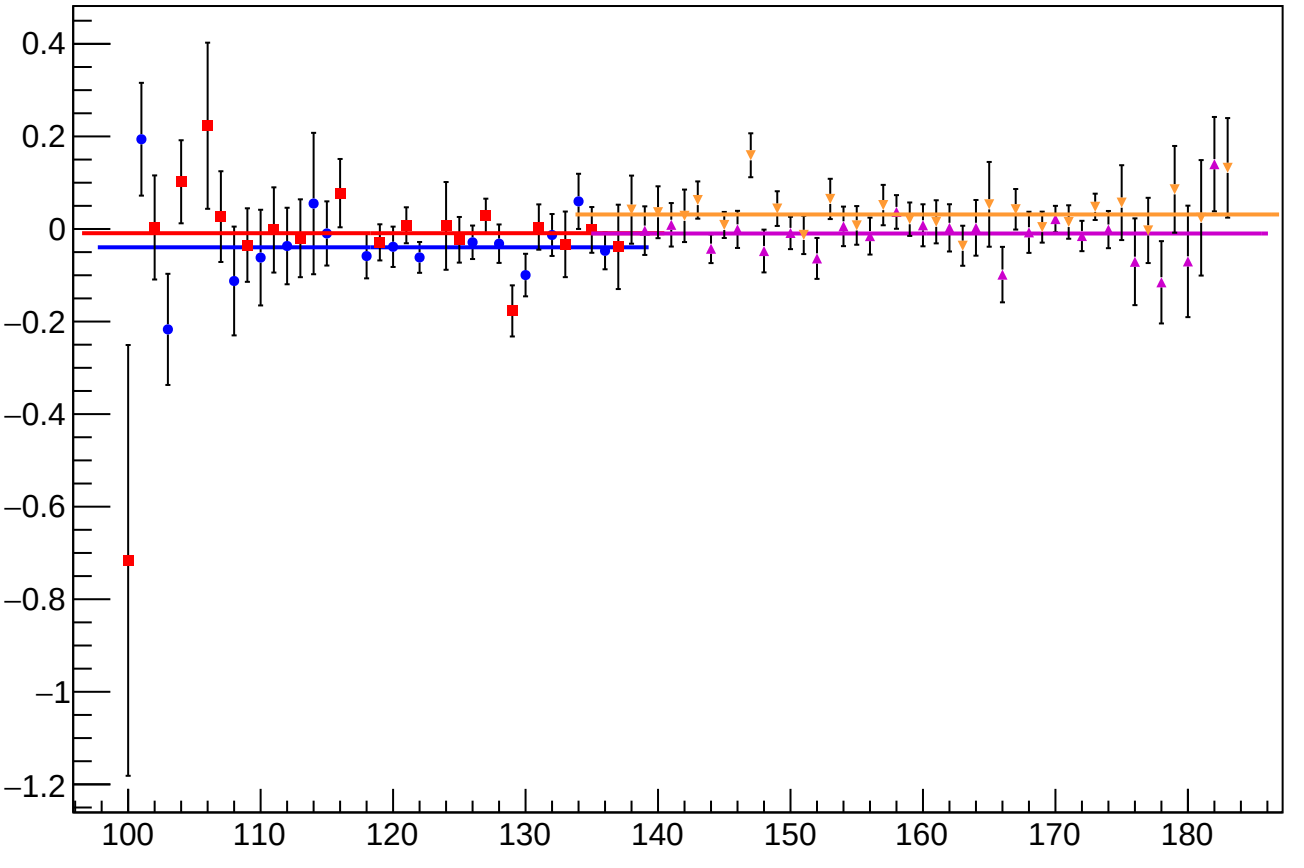
Left: 0.000+/-0.000 χ^2/NDF: 2459659.6/45

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:4996119.6/42

All: 0.000+/-0.000 χ^2/NDF: 8779719.8/80



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:16.5/23

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: 39.5/45

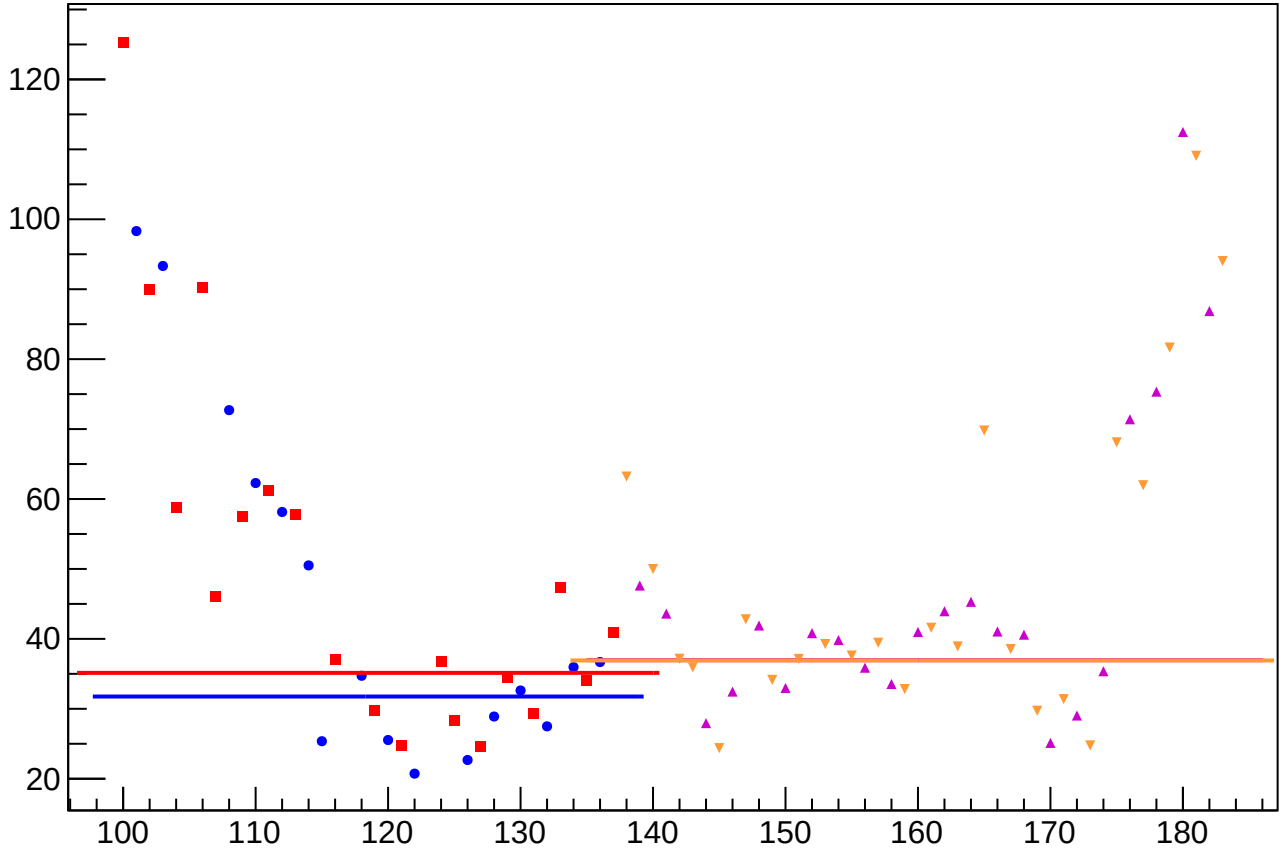
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:29.1/37

Out: 0.019+/-0.008 χ^2/NDF:40.5/42

All: -0.000+/-0.005 χ^2/NDF: 82.7/80

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: 36.916+/-0.006 χ^2/NDF:3871703.0/23

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: 36.935+/-0.005 χ^2/NDF: 6766171.4/45

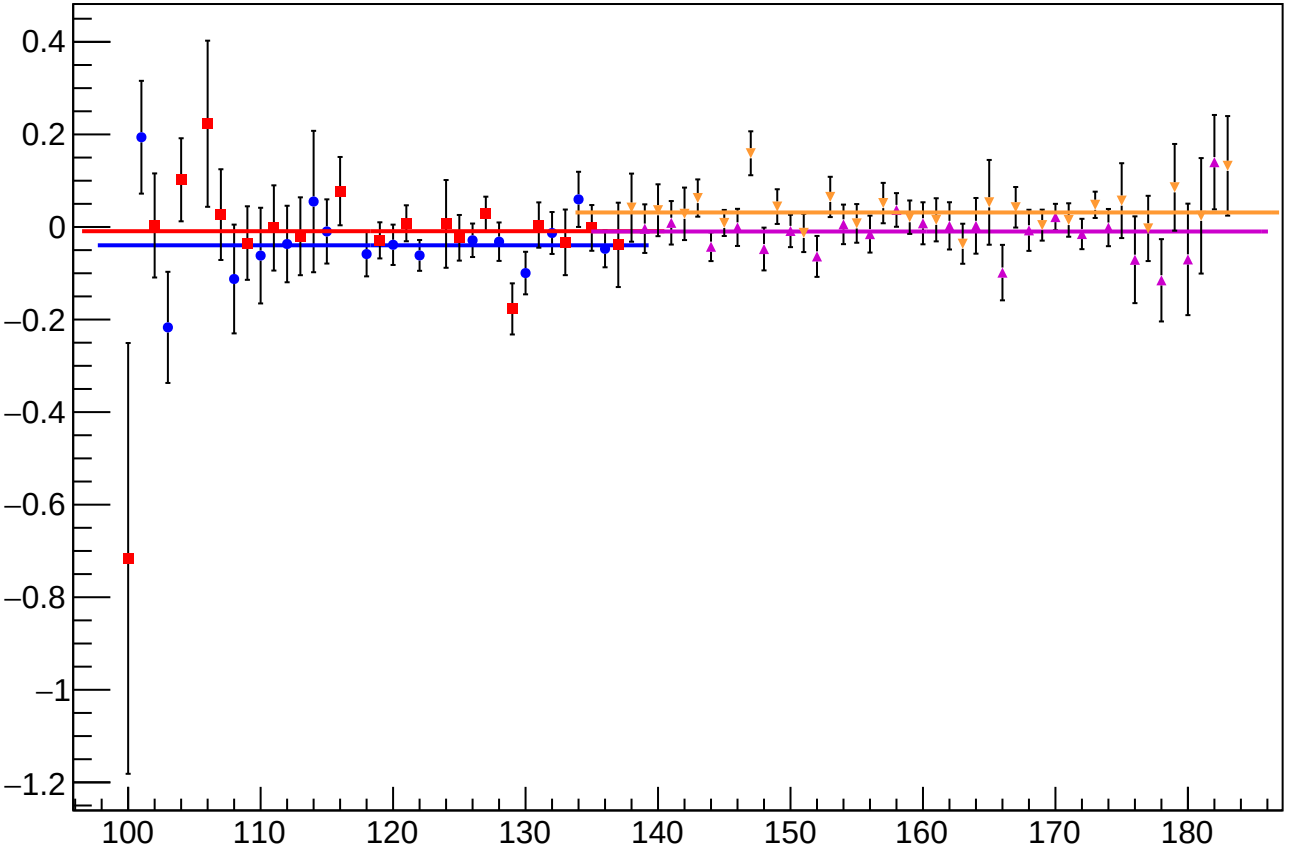
Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 35.198+/-0.005 χ^2/NDF:5353485.9/37

Out: 36.394+/-0.005 χ^2/NDF:5738595.0/42

All: 35.794+/-0.004 χ^2/NDF: 11116437.8/80

asym_sam_26_48_dd_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:16.5/23

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: 39.5/45

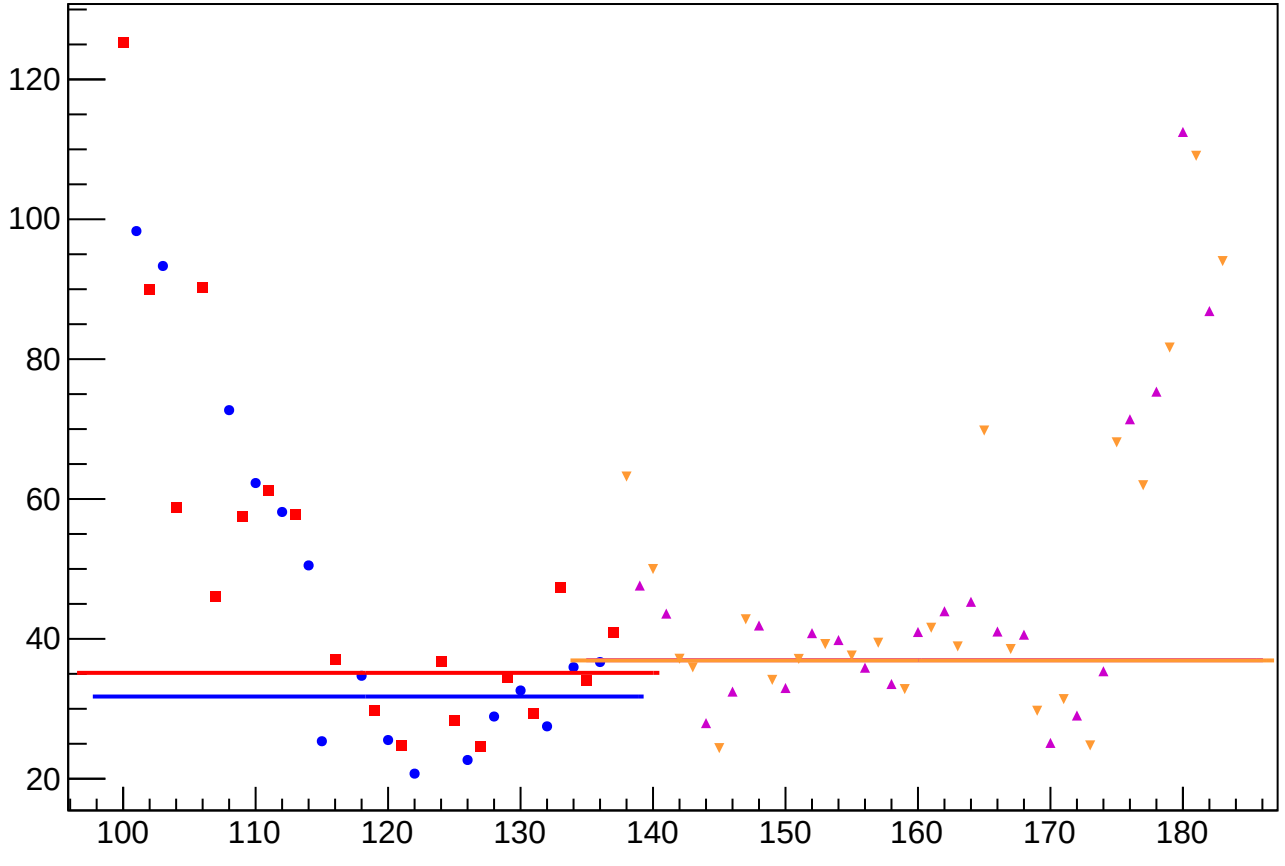
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:29.1/37

Out: 0.019+/-0.008 χ^2/NDF:40.5/42

All: -0.000+/-0.005 χ^2/NDF: 82.7/80

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: 36.916+/-0.006 χ^2/NDF:3871703.0/23

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.955+/-0.007 χ^2/NDF:2894451.2/21

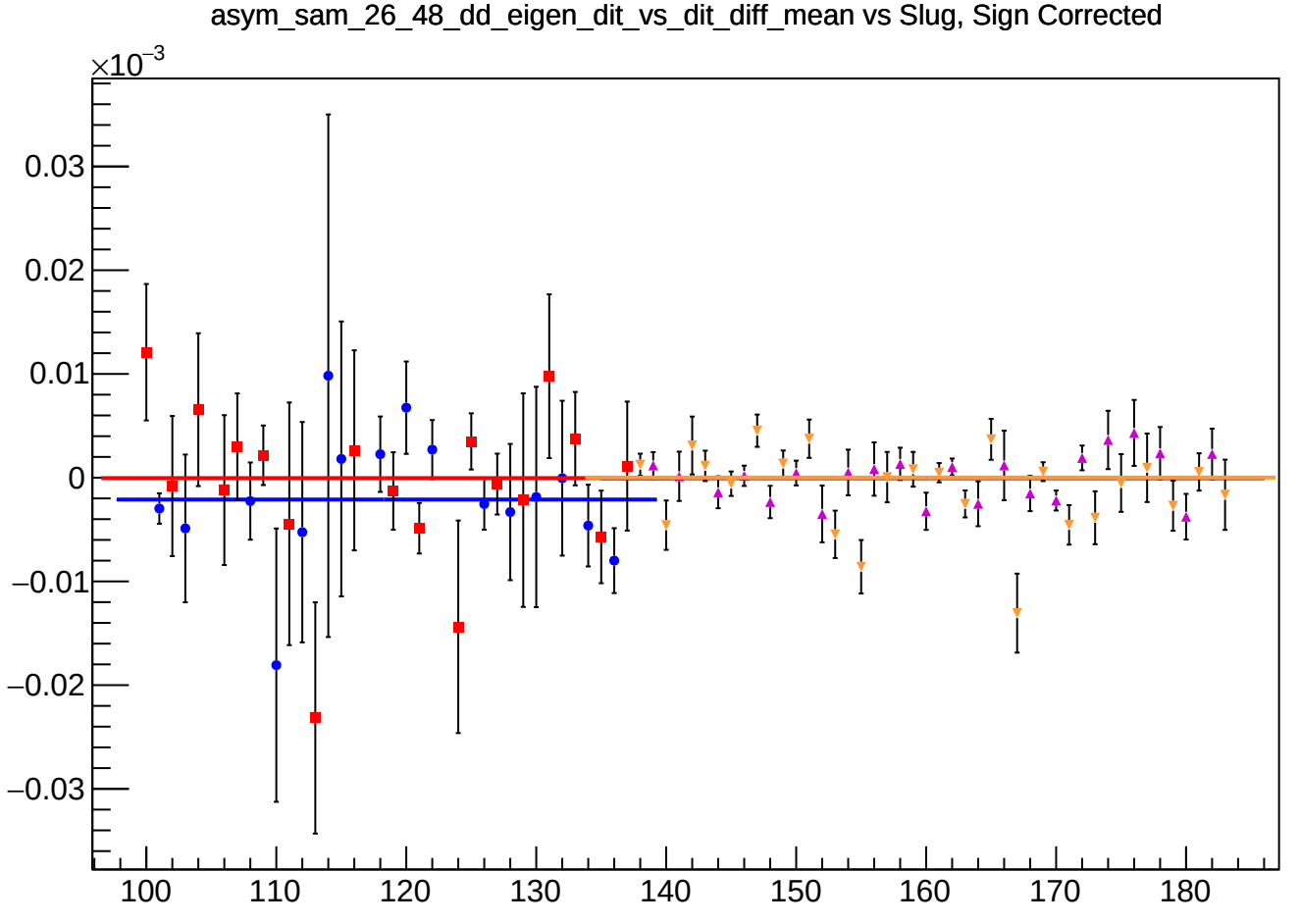
Left: 36.935+/-0.005 χ^2/NDF: 6766171.4/45

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 35.198+/-0.005 χ^2/NDF:5353485.9/37

Out: 36.394+/-0.005 χ^2/NDF:5738595.0/42

All: 35.794+/-0.004 χ^2/NDF: 11116437.8/80



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:67.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:29.7/21

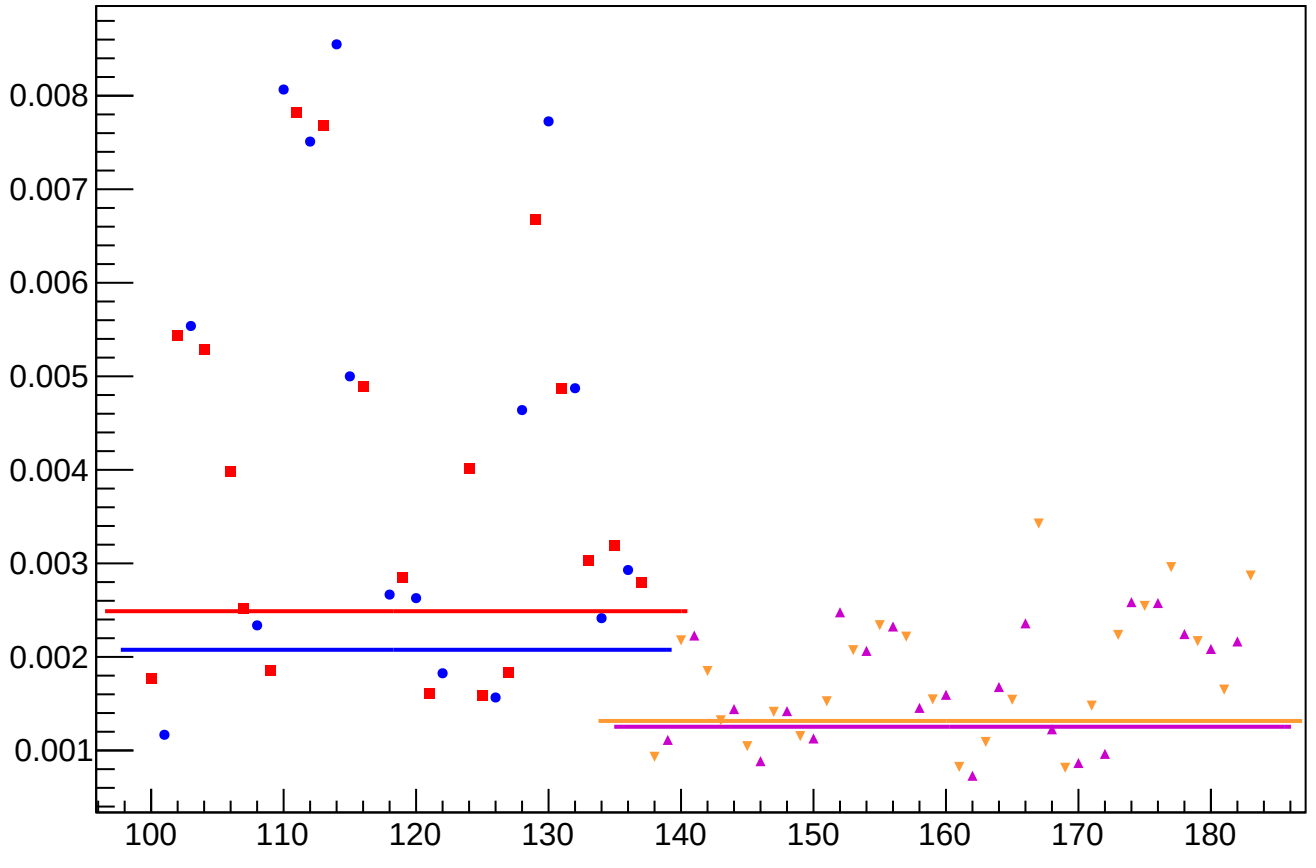
Left: -0.000+/-0.000 χ^2/NDF: 97.2/45

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:88.8/42

All: -0.000+/-0.000 χ^2/NDF: 138.2/80



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:5386043.8/23

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:5075275.7/21

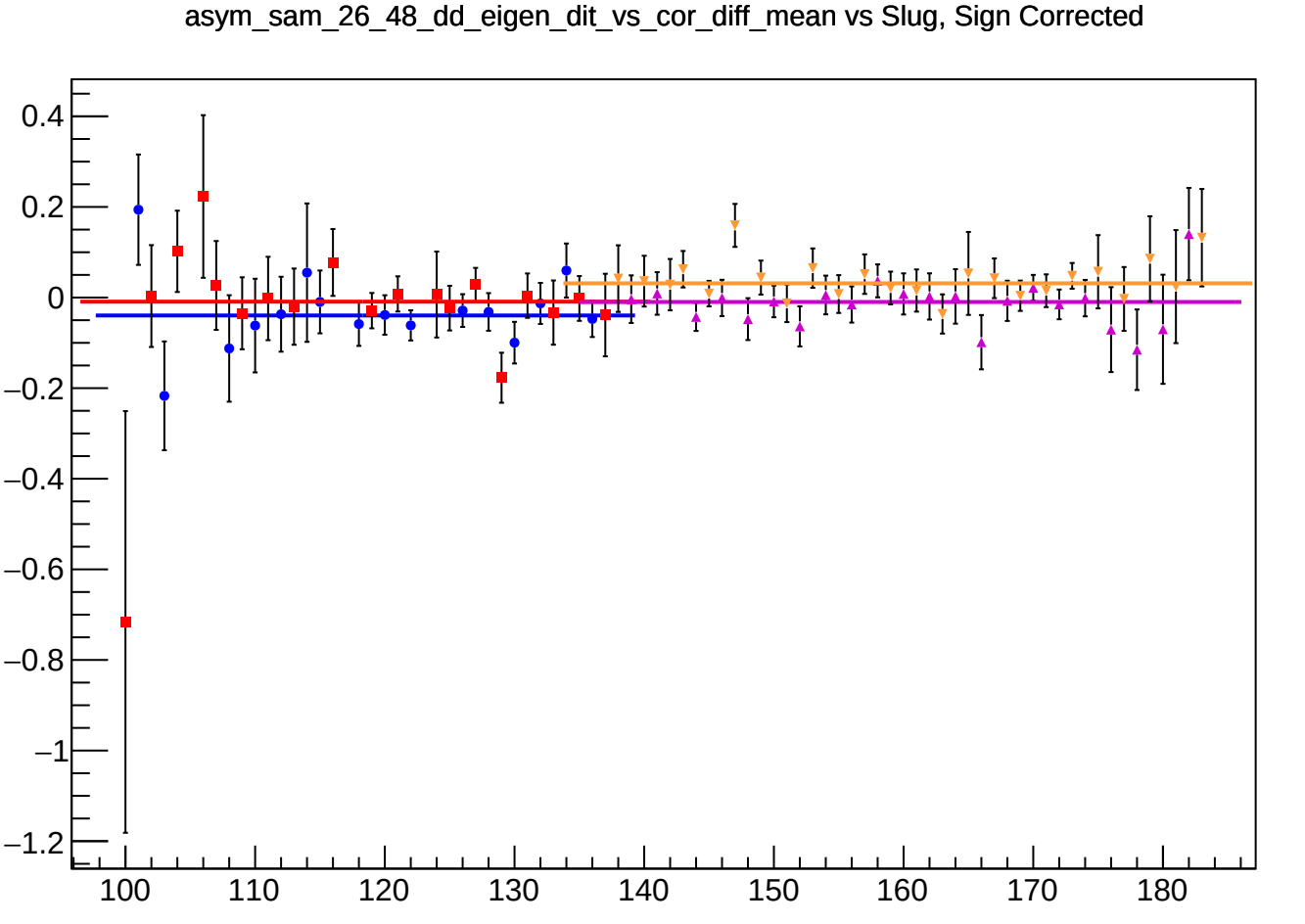
Left: 0.001+/-0.000 χ^2/NDF: 10496865.0/45

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:10780435.3/42

All: 0.001+/-0.000 χ^2/NDF: 21279780.8/80



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:16.5/23

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.010+/-0.009 χ^2/NDF:13.2/21

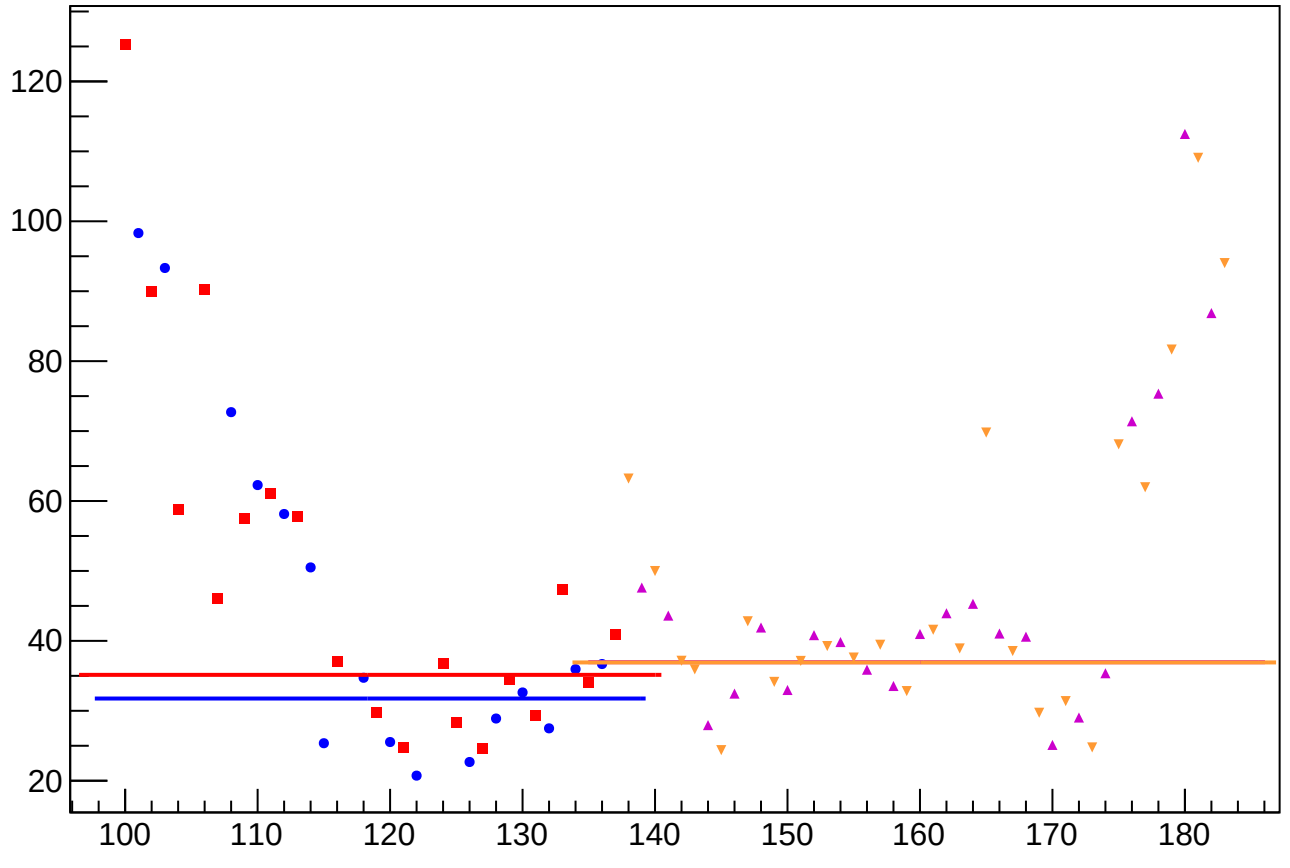
Left: 0.011+/-0.007 χ^2/NDF: 39.5/45

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:40.5/42

All: -0.000+/-0.005 χ^2/NDF: 82.7/80



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.916+/-0.006 χ^2/NDF:3871715.8/23

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: 36.935+/-0.005 χ^2/NDF: 6766150.9/45

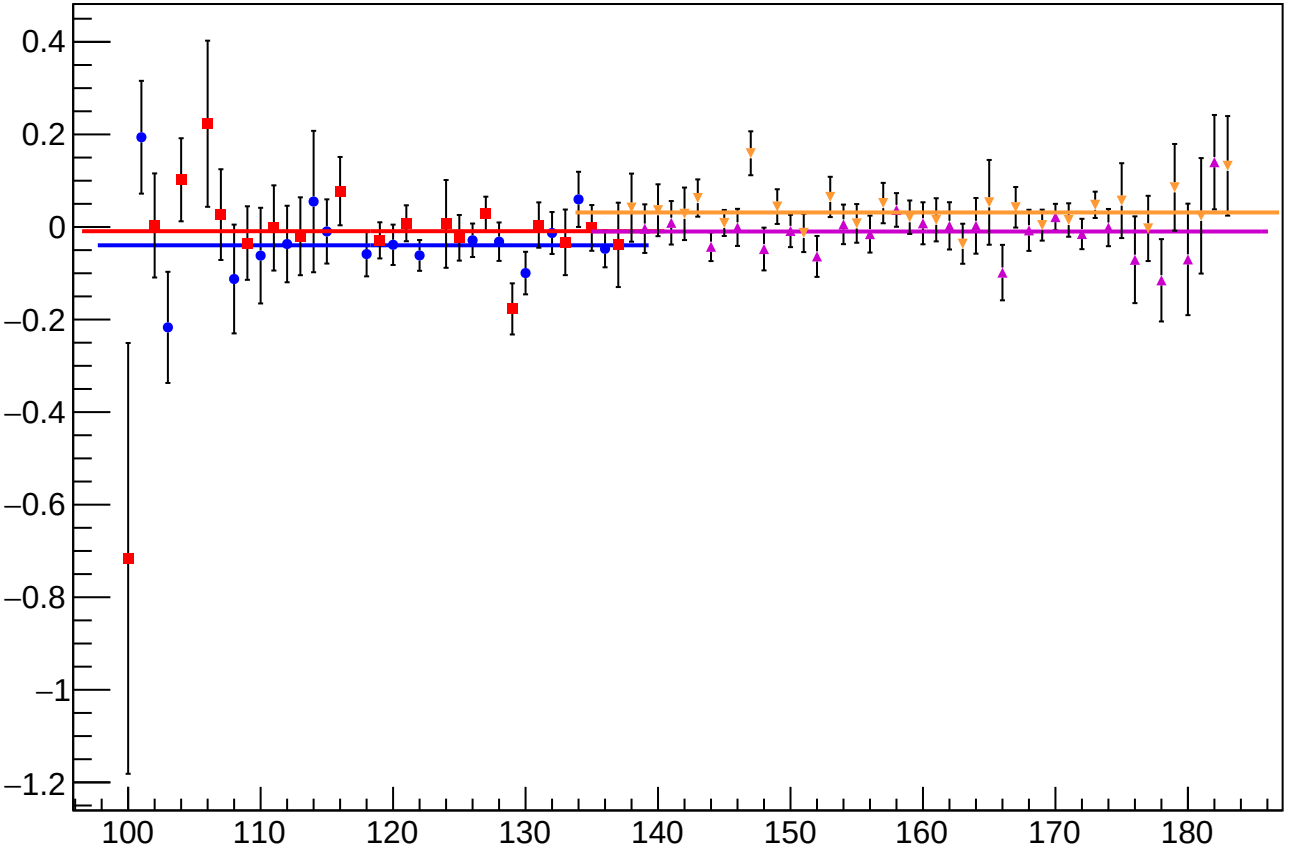
Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 35.198+/-0.005 χ^2/NDF:5353392.3/37

Out: 36.394+/-0.005 χ^2/NDF:5738491.4/42

All: 35.794+/-0.004 χ^2/NDF: 11116240.9/80

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:16.5/23

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: 39.5/45

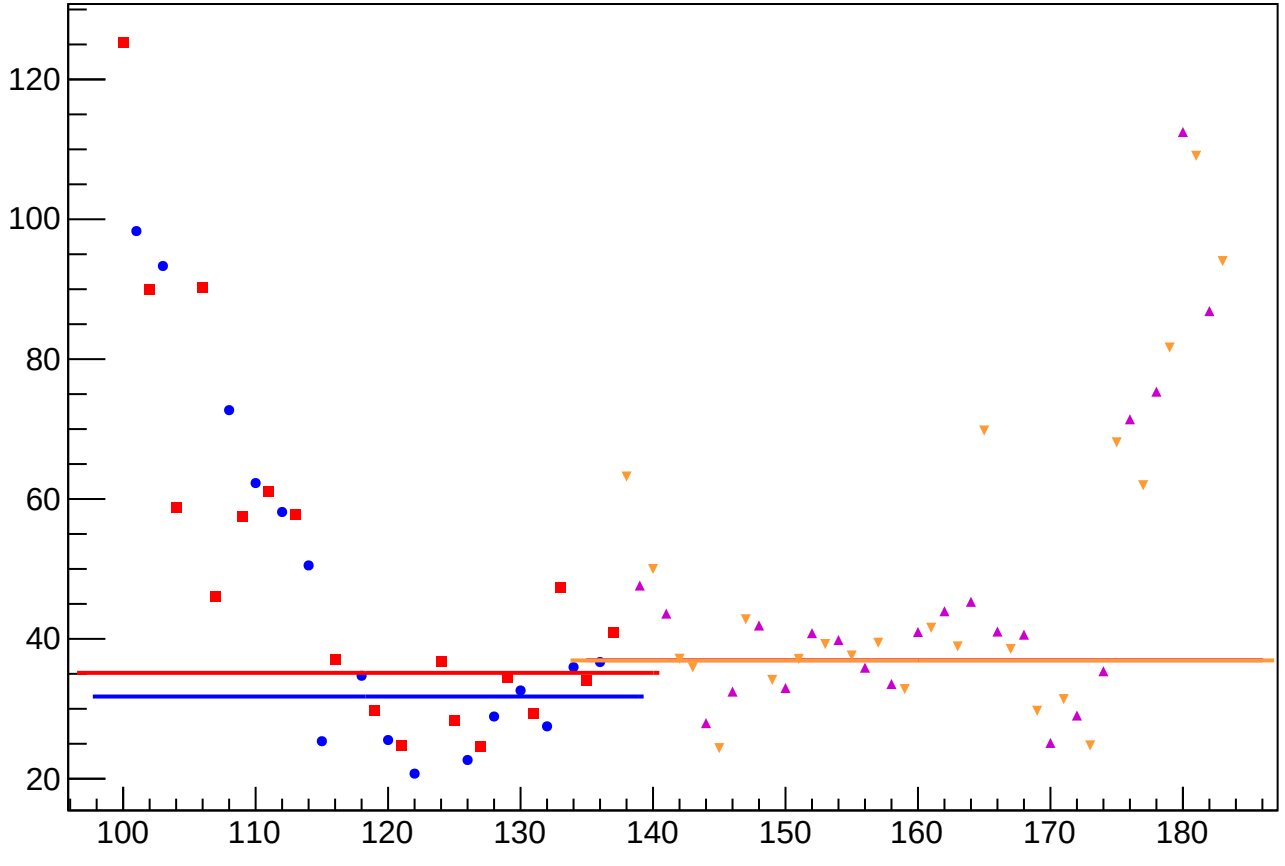
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:29.1/37

Out: 0.019+/-0.008 χ^2/NDF:40.5/42

All: -0.000+/-0.005 χ^2/NDF: 82.7/80

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: 36.916+/-0.006 χ^2/NDF:3871715.8/23

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.955+/-0.007 χ^2/NDF:2894417.9/21

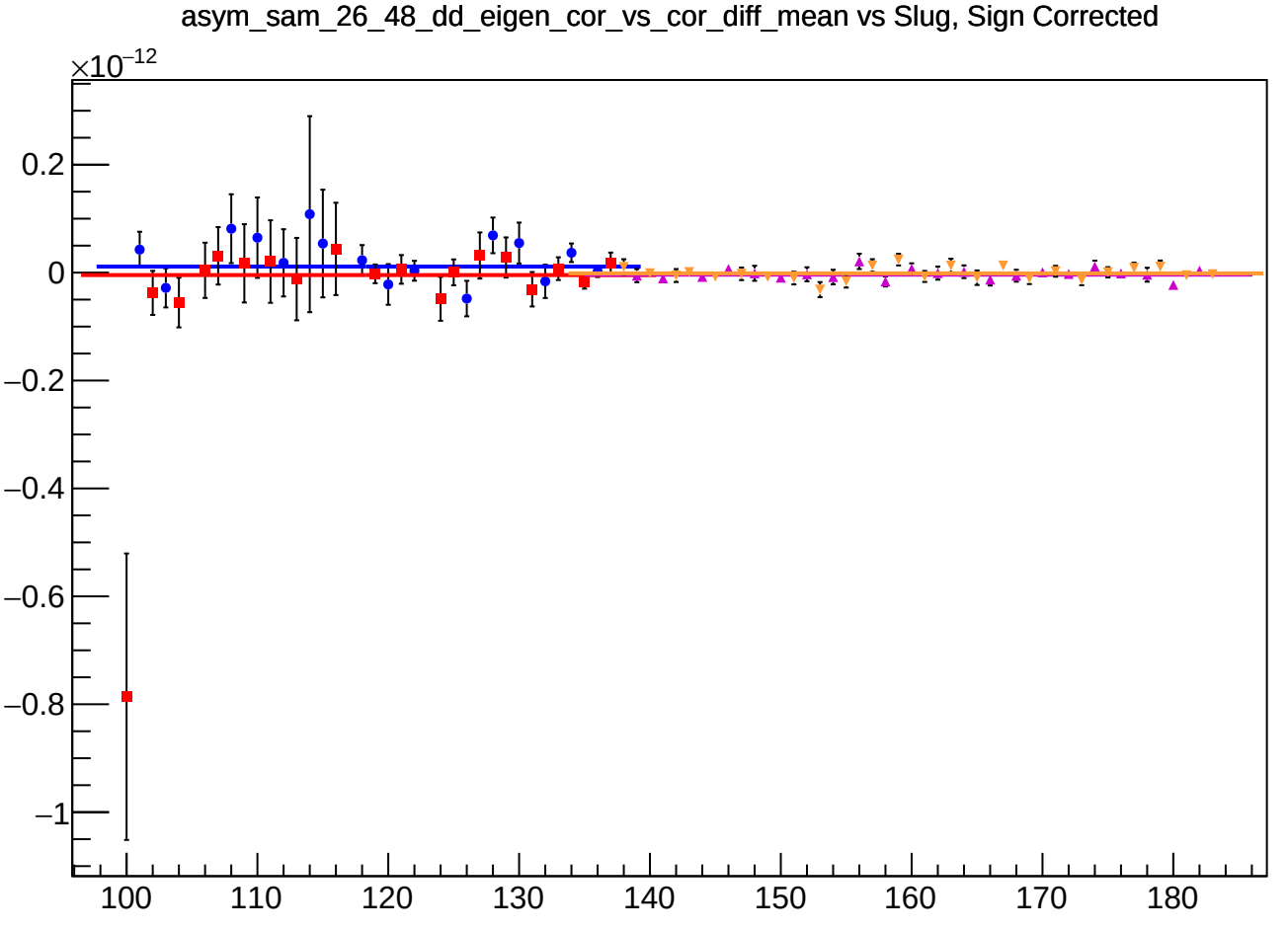
Left: 36.935+/-0.005 χ^2/NDF: 6766150.9/45

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 35.198+/-0.005 χ^2/NDF:5353392.3/37

Out: 36.394+/-0.005 χ^2/NDF:5738491.4/42

All: 35.794+/-0.004 χ^2/NDF: 11116240.9/80



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.9/23

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: 44.6/45

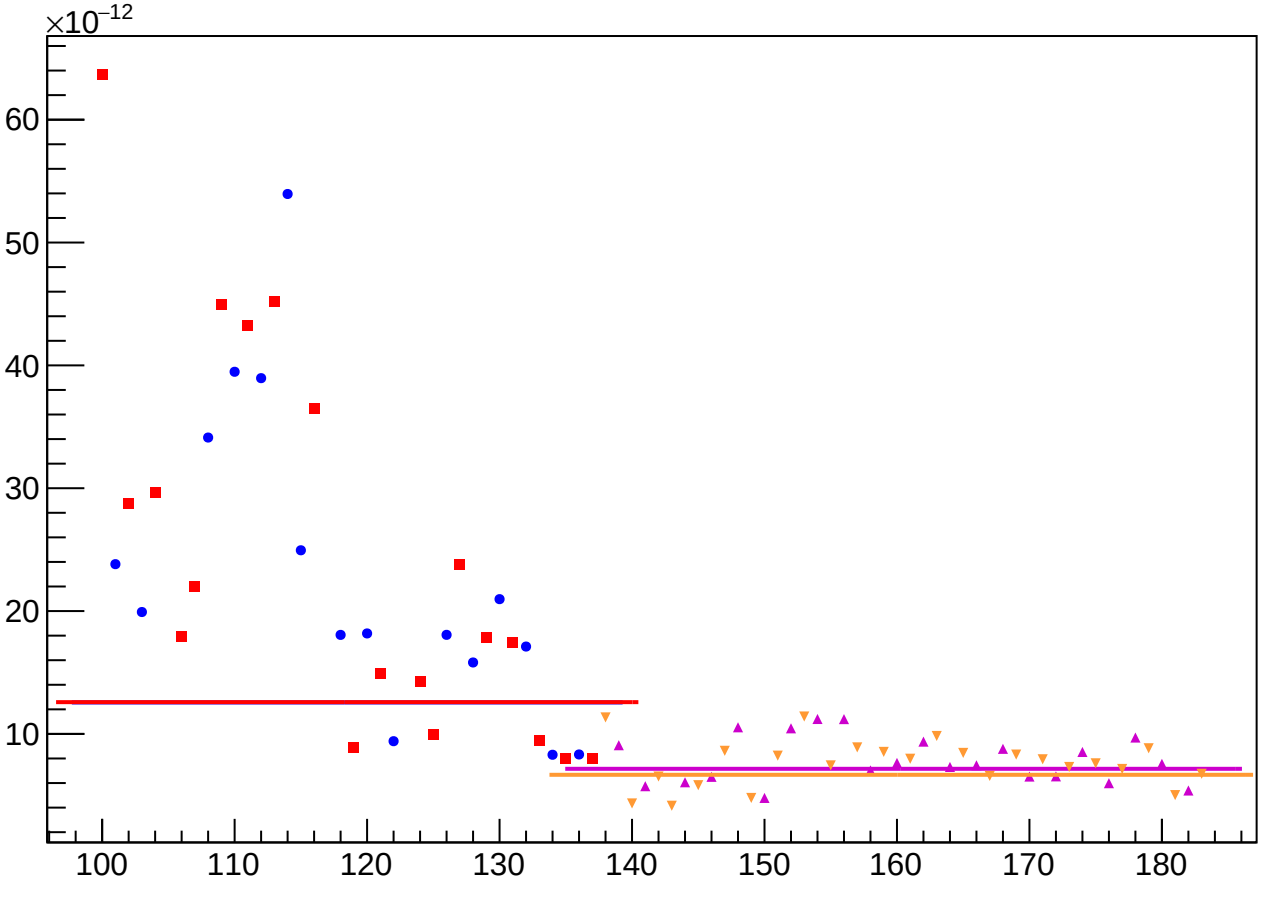
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:39.8/37

Out: -0.000+/-0.000 χ^2/NDF:43.5/42

All: -0.000+/-0.000 χ^2/NDF: 83.4/80

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:1952447.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1363172.6/21

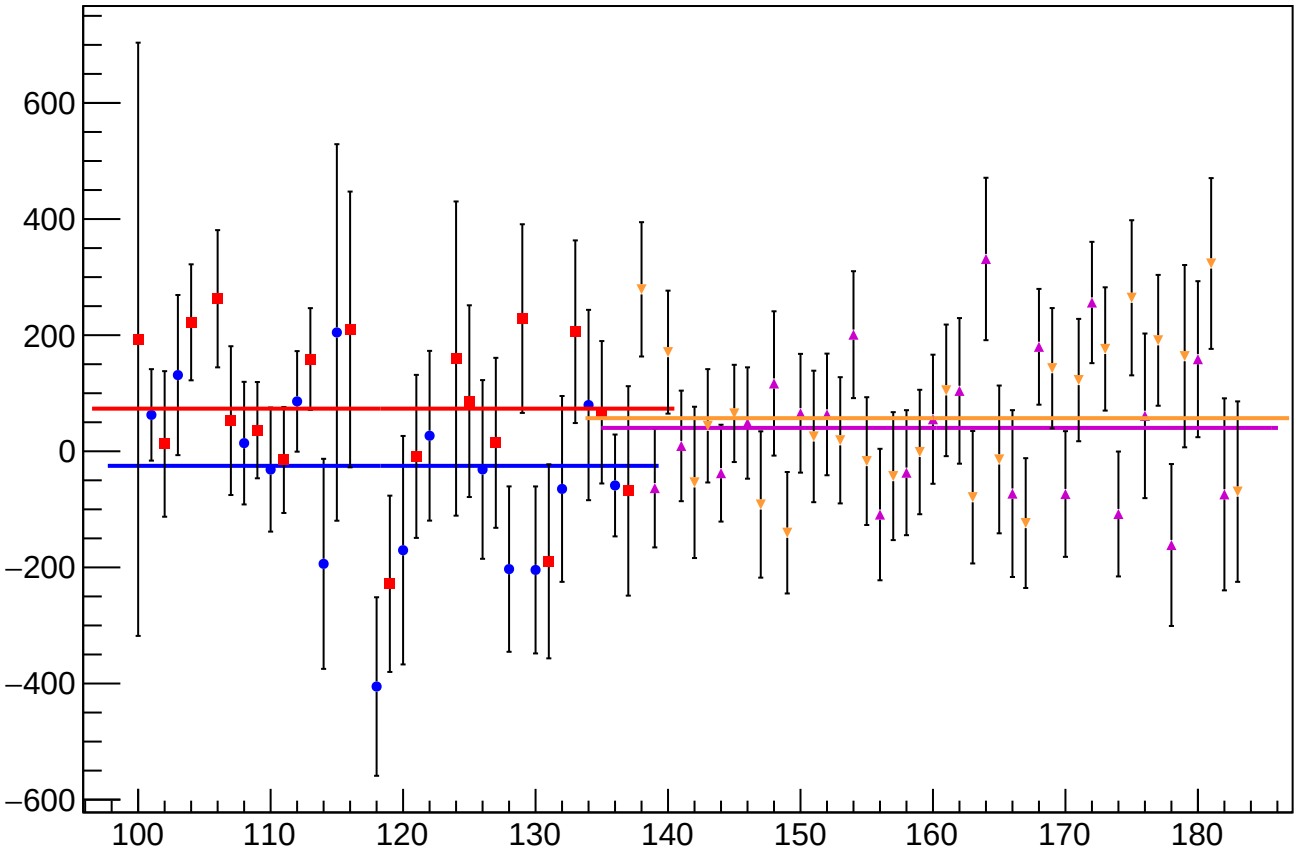
Left: 0.000+/-0.000 χ^2/NDF: 3374547.3/45

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:6160984.4/42

All: 0.000+/-0.000 χ^2/NDF: 11041339.2/80



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 57.068+/-23.121 χ^2/NDF:27.4/23

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 40.279+/-23.843 χ^2/NDF:24.8/21

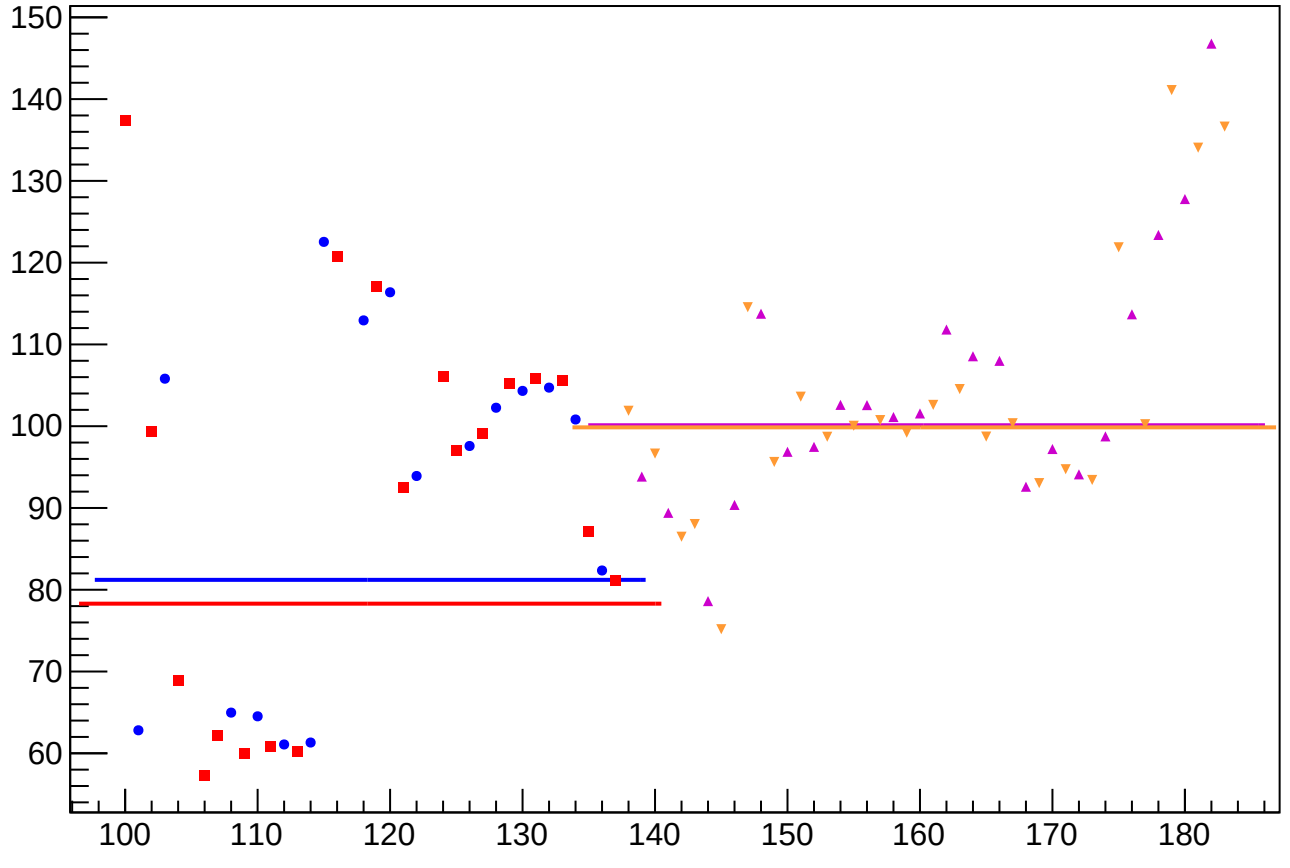
Left: 48.932+/-16.598 χ^2/NDF: 52.4/45

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 16.214+/-18.951 χ^2/NDF:43.7/37

Out: 63.192+/-18.298 χ^2/NDF:44.4/42

All: 40.526+/-13.164 χ^2/NDF: 91.3/80



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 99.858+/-0.016 χ^2/NDF:697670.9/23

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: 99.983+/-0.012 χ^2/NDF: 1282582.4/45

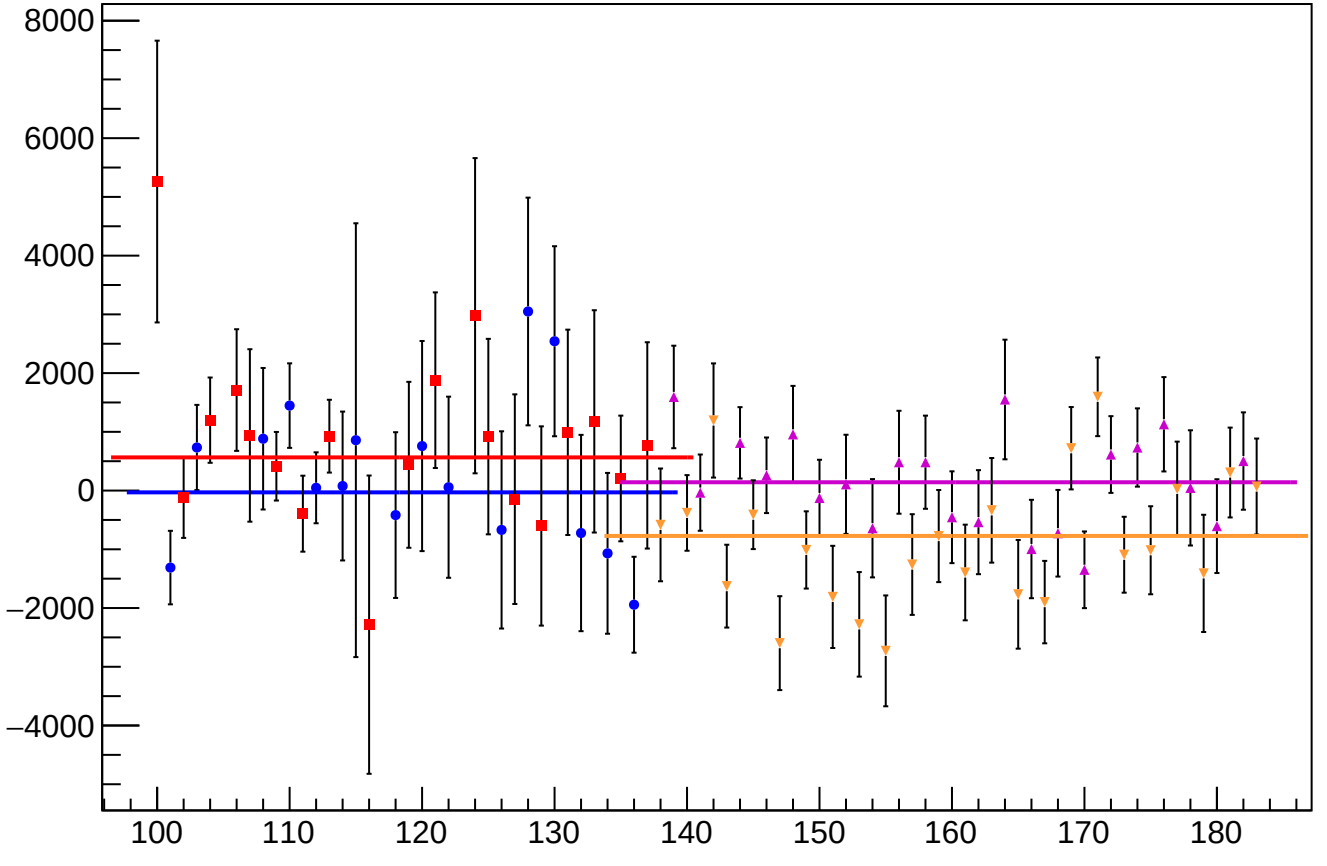
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 93.154+/-0.013 χ^2/NDF:1835585.7/37

Out: 91.802+/-0.013 χ^2/NDF:2282163.0/42

All: 92.454+/-0.009 χ^2/NDF: 4123019.6/80

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -772.324+/-157.689 χ^2/NDF:47.0/23

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 141.515+/-162.099 χ^2/NDF:21.9/21

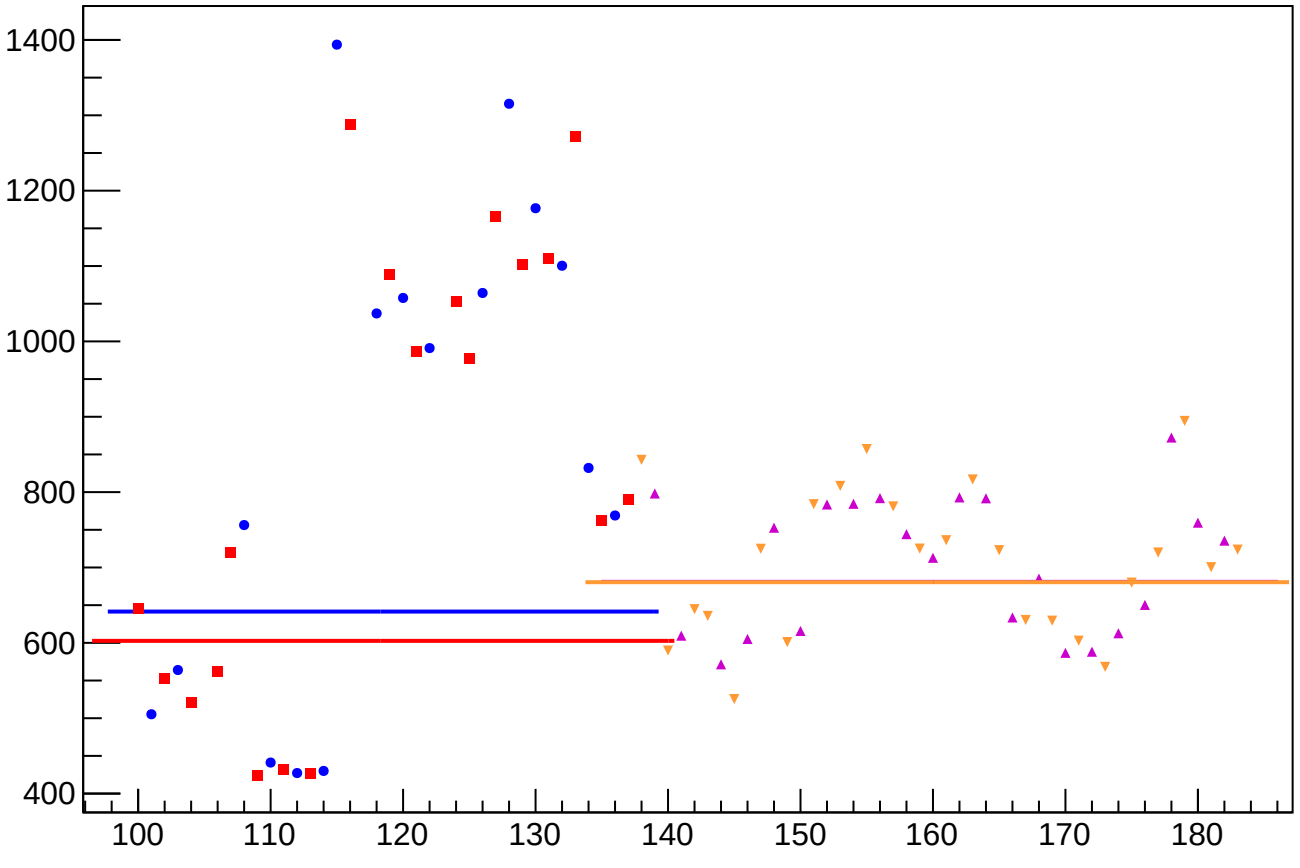
Left: -328.006+/-113.030 χ^2/NDF: 85.2/45

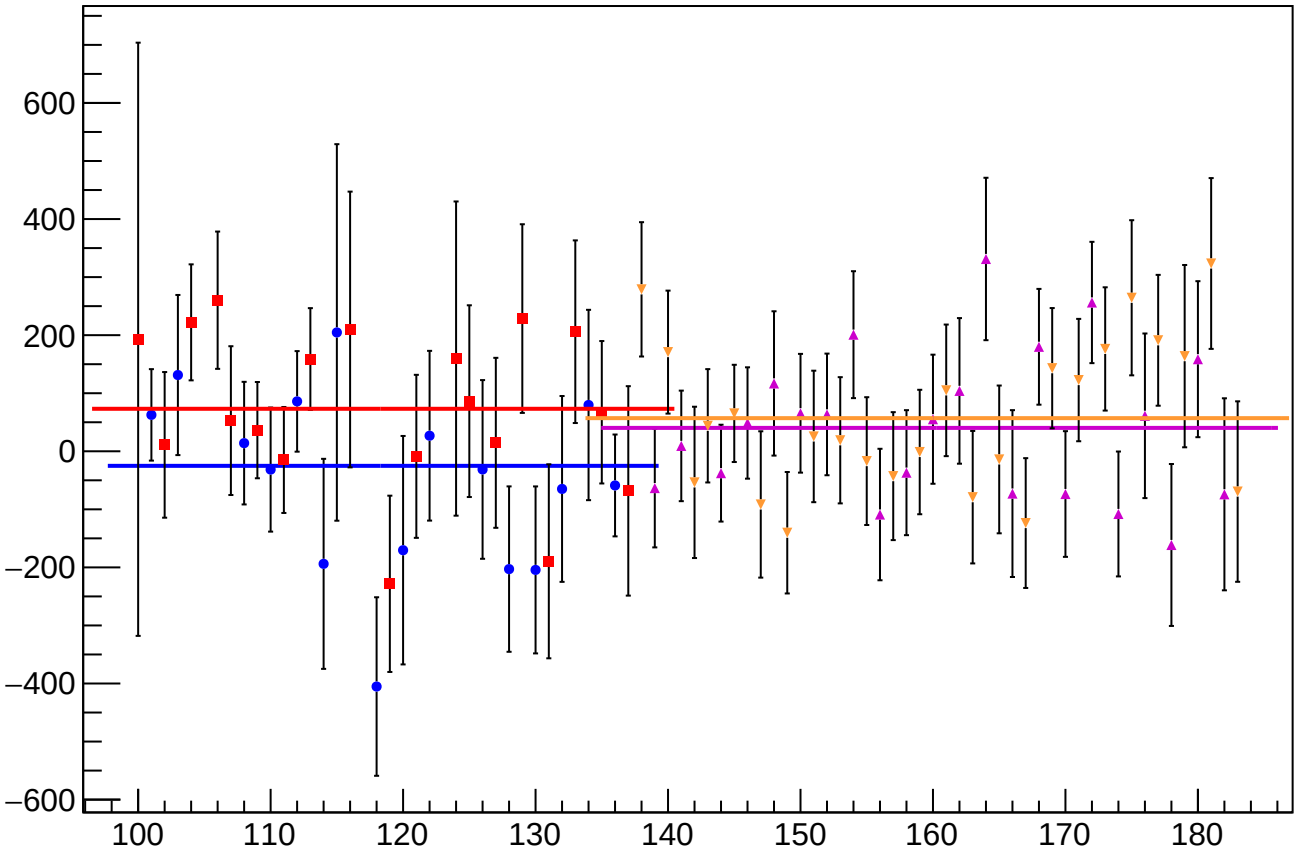
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 92.585+/-137.105 χ^2/NDF:44.1/37

Out: -365.557+/-131.537 χ^2/NDF:82.2/42

All: -145.979+/-94.918 χ^2/NDF: 132.1/80


asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
100
110
120
130
140
150
160
170
180
Right In: 641.499+/-0.182 χ²/NDF: 1874990.8/15
Left Out: 680.491+/-0.112 χ²/NDF:729061.6/23
Right Out: 602.654+/-0.169 χ²/NDF: 2070307.7/18
Left In: 680.931+/-0.115 χ²/NDF:568651.7/21
Left: 680.705+/-0.080 χ²/NDF: 1297720.9/45
Right: 620.627+/-0.124 χ²/NDF: 3969848.5/34
In: 669.709+/-0.097 χ²/NDF:2477326.9/37
Out: 656.814+/-0.093 χ²/NDF:2947603.7/42
All: 662.994+/-0.067 χ²/NDF: 5434142.8/80



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 57.074+/-23.121 χ^2/NDF:27.4/23

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: 48.936+/-16.598 χ^2/NDF: 52.4/45

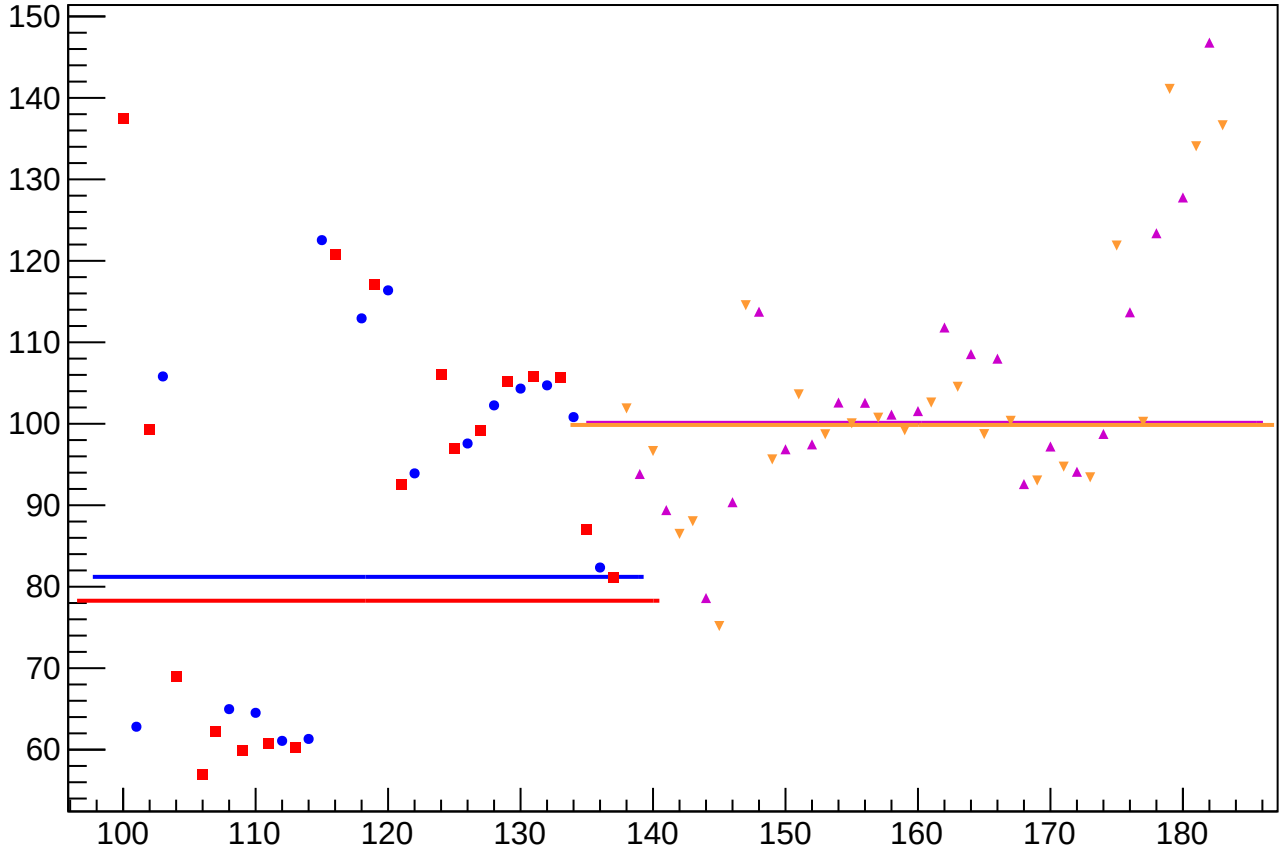
Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 16.214+/-18.951 χ^2/NDF:43.7/37

Out: 63.097+/-18.299 χ^2/NDF:44.3/42

All: 40.476+/-13.164 χ^2/NDF: 91.2/80

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 99.858+/-0.016 χ^2/NDF:697670.9/23

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: 99.983+/-0.012 χ^2/NDF: 1282582.5/45

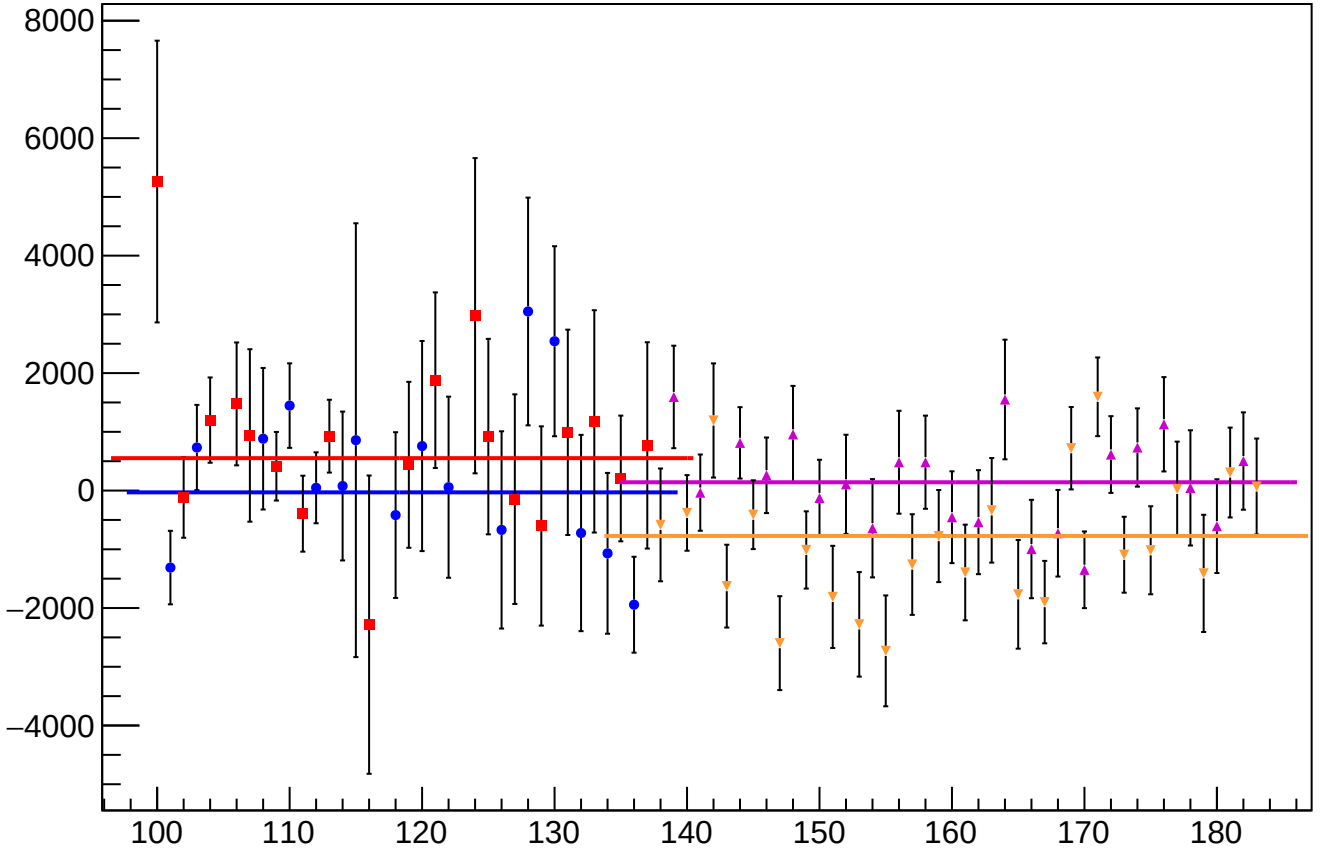
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 93.154+/-0.013 χ^2/NDF:1835587.2/37

Out: 91.796+/-0.013 χ^2/NDF:2285375.7/42

All: 92.451+/-0.009 χ^2/NDF: 4126283.3/80

asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -772.316+/-157.689 χ^2/NDF:47.0/23

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 141.515+/-162.099 χ^2/NDF:21.9/21

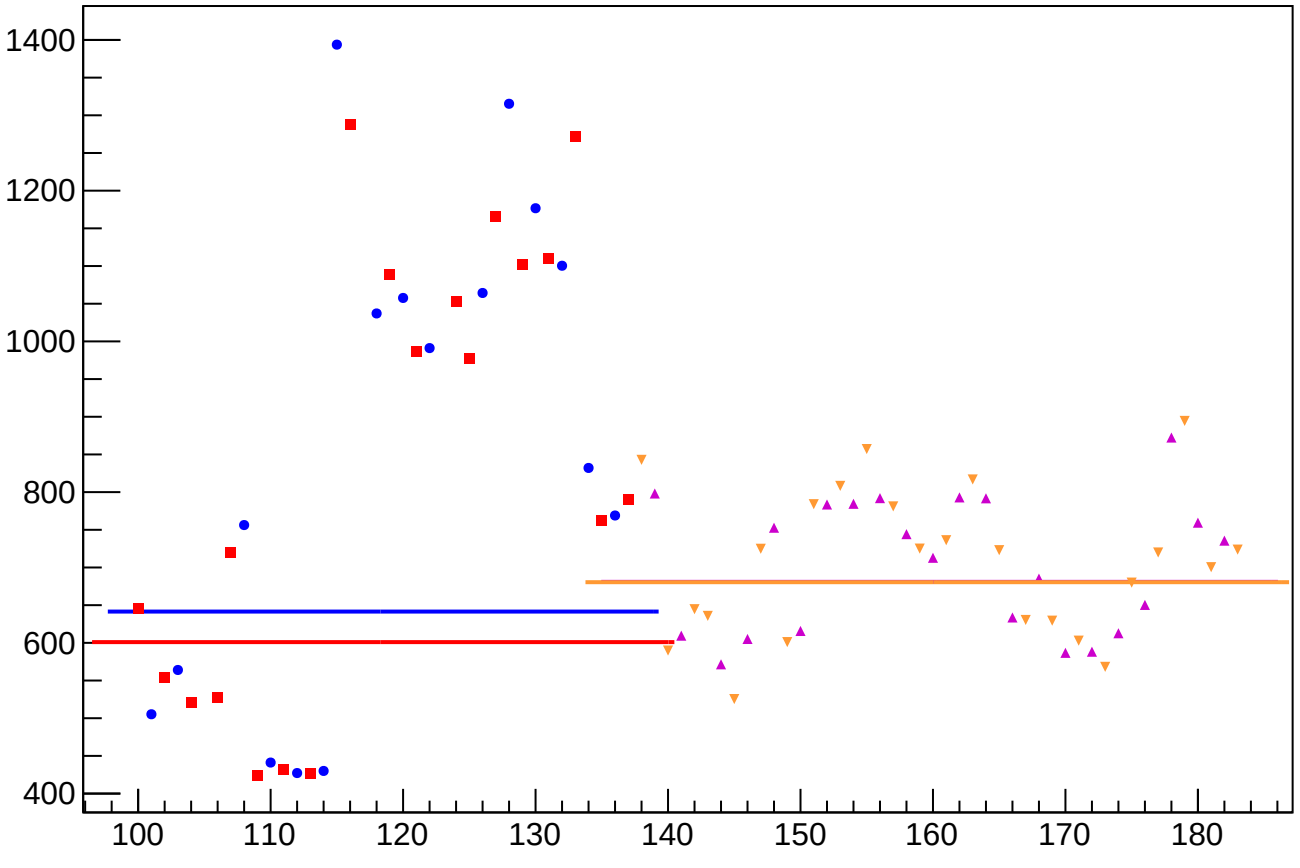
Left: -328.002+/-113.030 χ^2/NDF: 85.2/45

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 92.578+/-137.106 χ^2/NDF:44.1/37

Out: -369.836+/-131.561 χ^2/NDF:81.3/42

All: -148.167+/-94.927 χ^2/NDF: 131.2/80



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 680.491+/-0.112 χ^2/NDF:729061.3/23

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 680.931+/-0.115 χ^2/NDF:568652.9/21

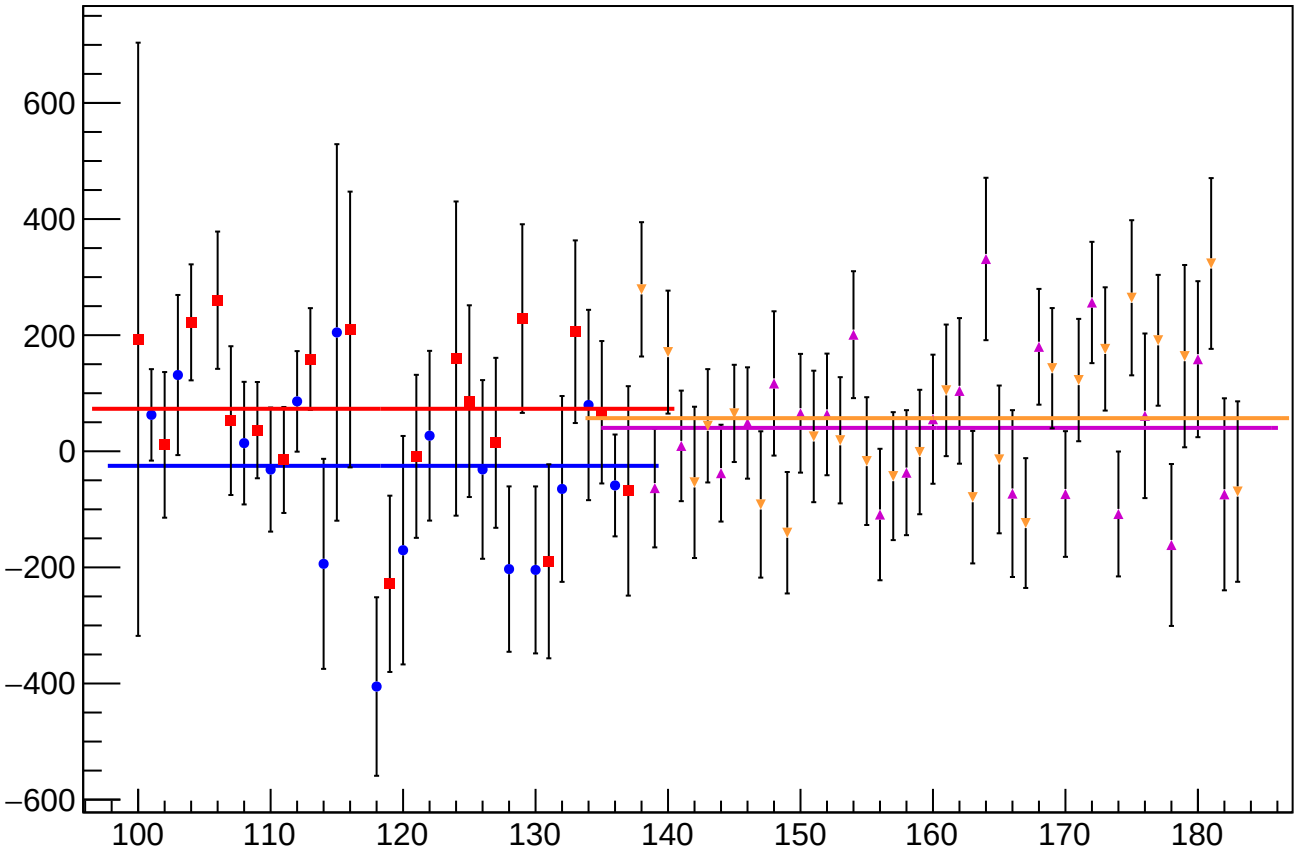
Left: 680.705+/-0.080 χ^2/NDF: 1297721.8/45

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 669.711+/-0.097 χ^2/NDF:2477271.4/37

Out: 656.324+/-0.093 χ^2/NDF:2960855.5/42

All: 662.741+/-0.067 χ^2/NDF: 5448054.3/80



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 57.074+/-23.121 χ^2/NDF:27.4/23

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 40.281+/-23.843 χ^2/NDF:24.7/21

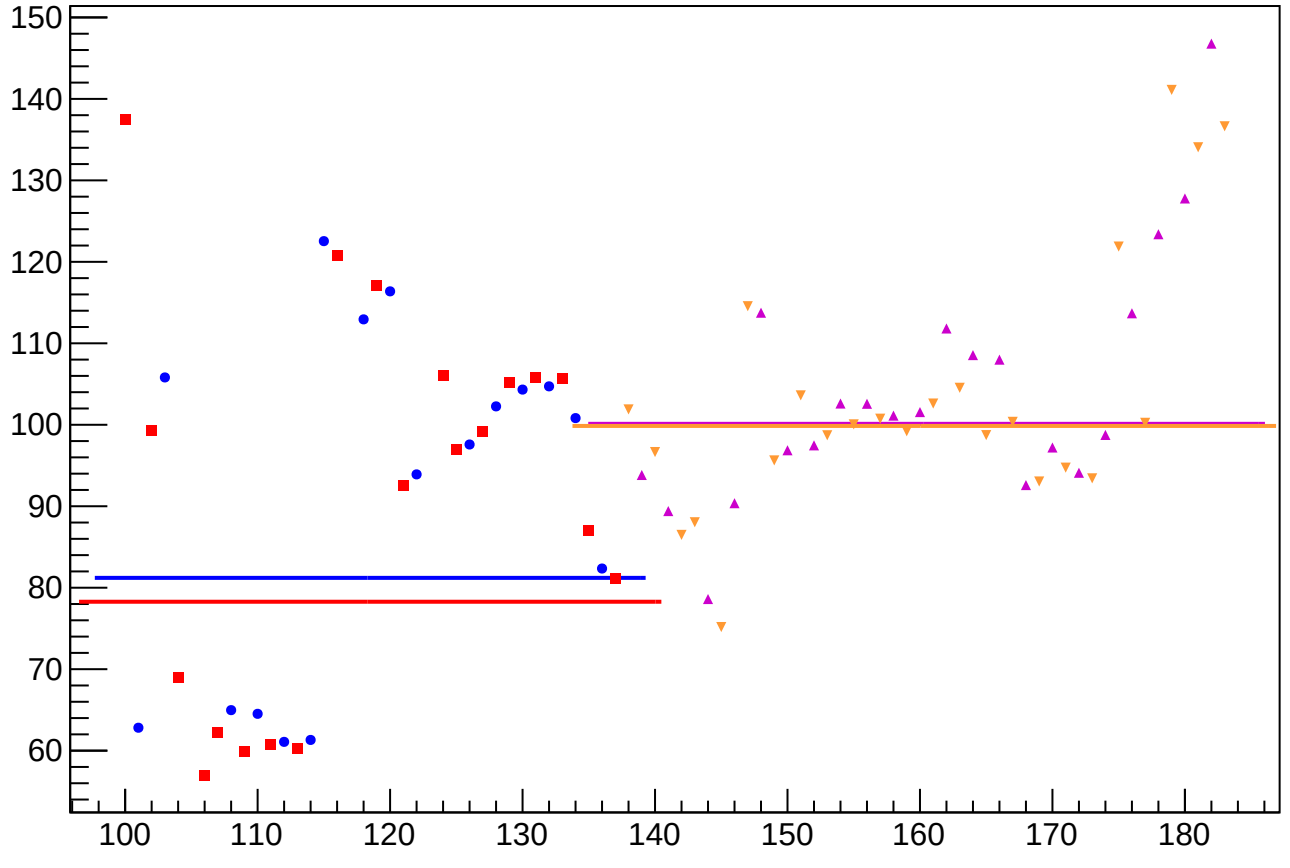
Left: 48.936+/-16.598 χ^2/NDF: 52.4/45

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 16.214+/-18.951 χ^2/NDF:43.7/37

Out: 63.097+/-18.299 χ^2/NDF:44.3/42

All: 40.476+/-13.164 χ^2/NDF: 91.2/80



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 99.858+/-0.016 χ^2/NDF:697670.9/23

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: 99.983+/-0.012 χ^2/NDF: 1282582.5/45

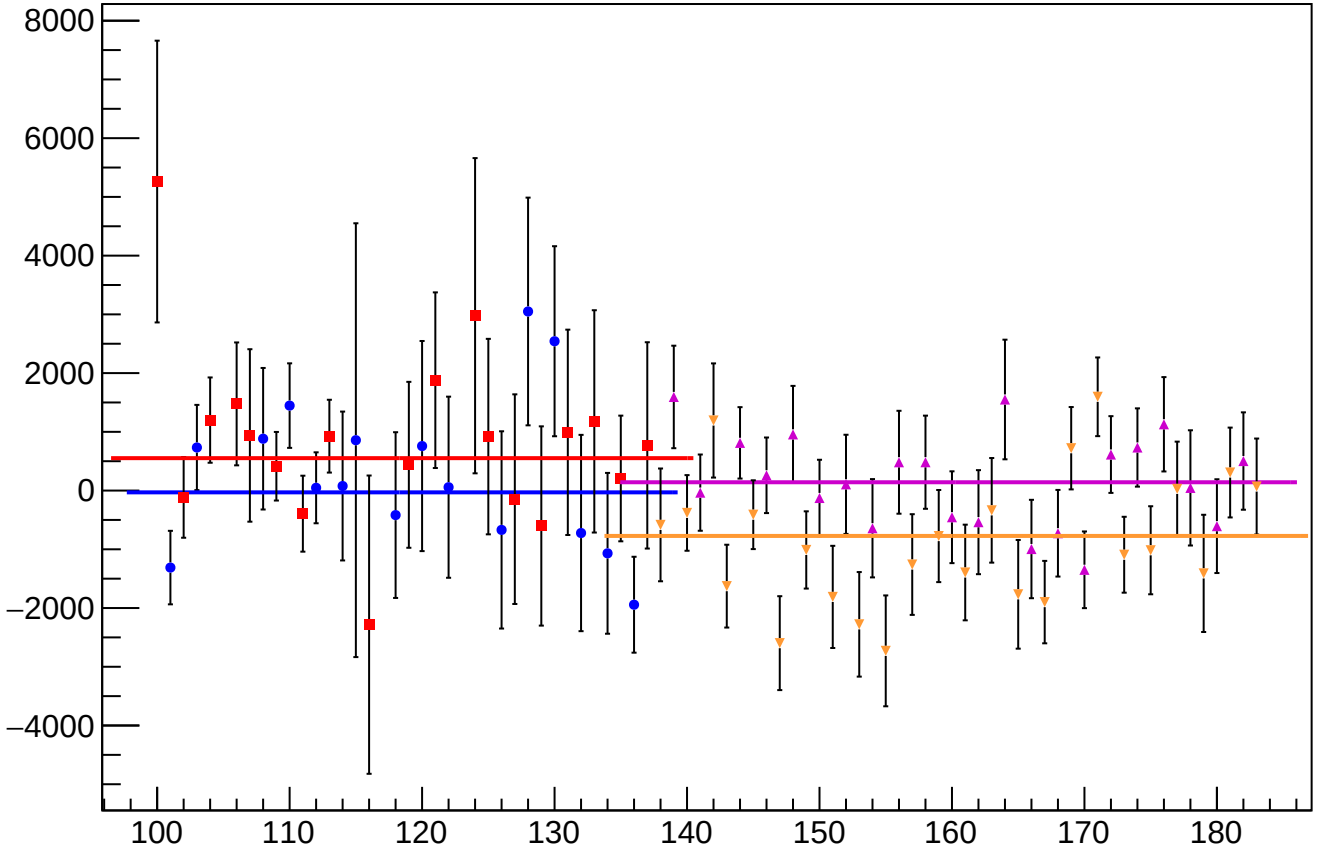
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 93.154+/-0.013 χ^2/NDF:1835587.2/37

Out: 91.796+/-0.013 χ^2/NDF:2285375.7/42

All: 92.451+/-0.009 χ^2/NDF: 4126283.3/80

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: -772.316+/-157.689 χ^2/NDF:47.0/23

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: -328.002+/-113.030 χ^2/NDF: 85.2/45

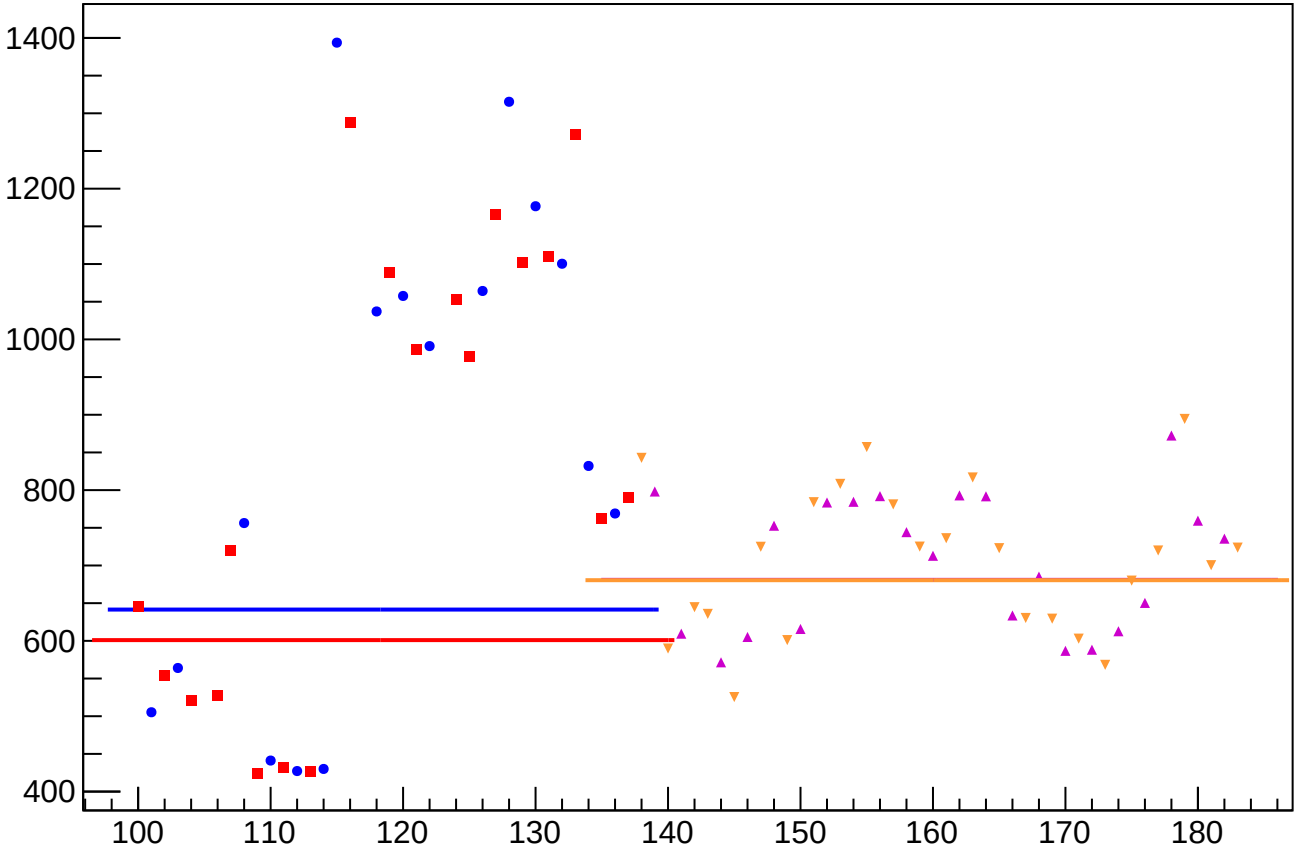
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 92.578+/-137.106 χ^2/NDF:44.1/37

Out: -369.836+/-131.561 χ^2/NDF:81.3/42

All: -148.167+/-94.927 χ^2/NDF: 131.2/80

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: 680.491+/-0.112 χ^2/NDF:729061.3/23

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 680.931+/-0.115 χ^2/NDF:568652.9/21

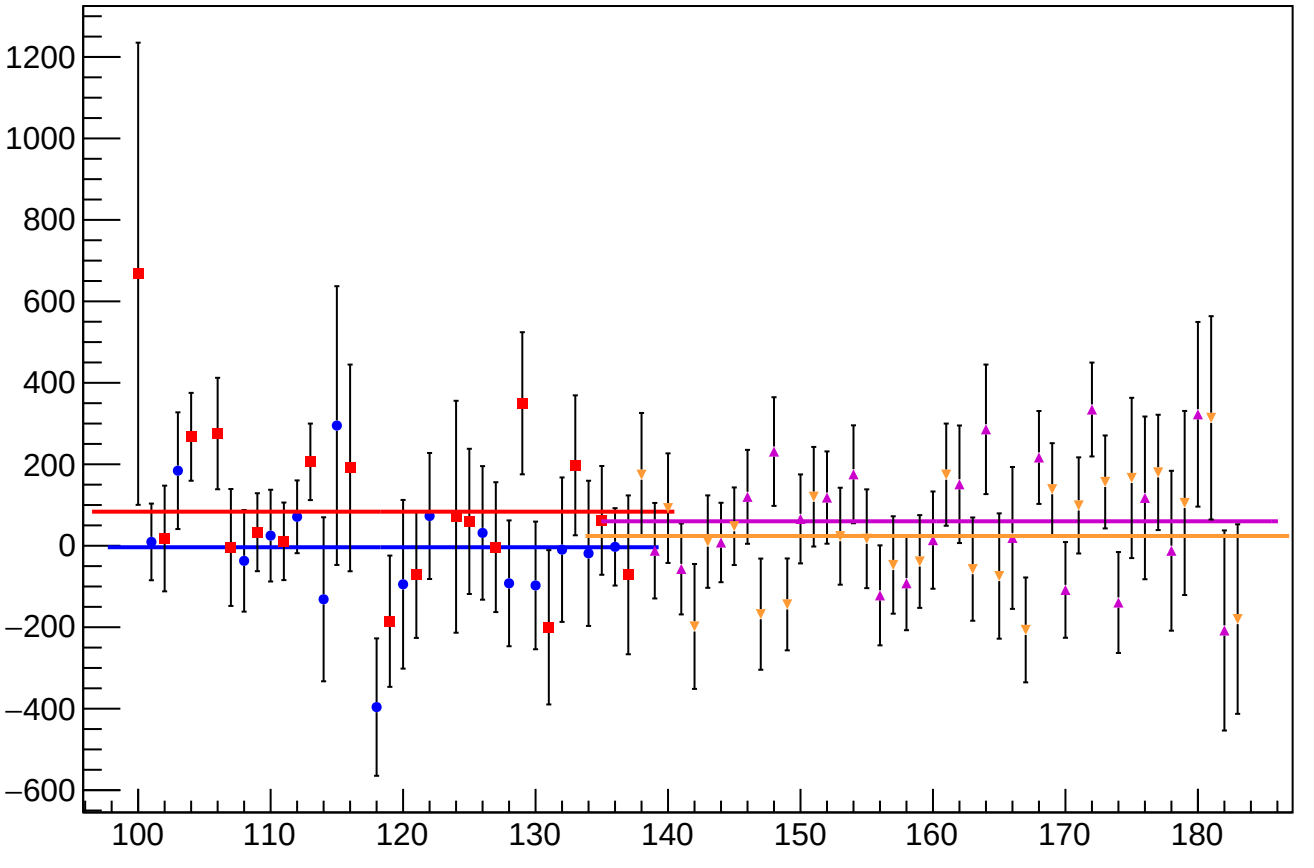
Left: 680.705+/-0.080 χ^2/NDF: 1297721.8/45

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 669.711+/-0.097 χ^2/NDF:2477271.4/37

Out: 656.324+/-0.093 χ^2/NDF:2960855.5/42

All: 662.741+/-0.067 χ^2/NDF: 5448054.3/80



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 24.025+/-26.734 χ^2/NDF:21.1/23

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: 41.585+/-19.143 χ^2/NDF: 48.4/45

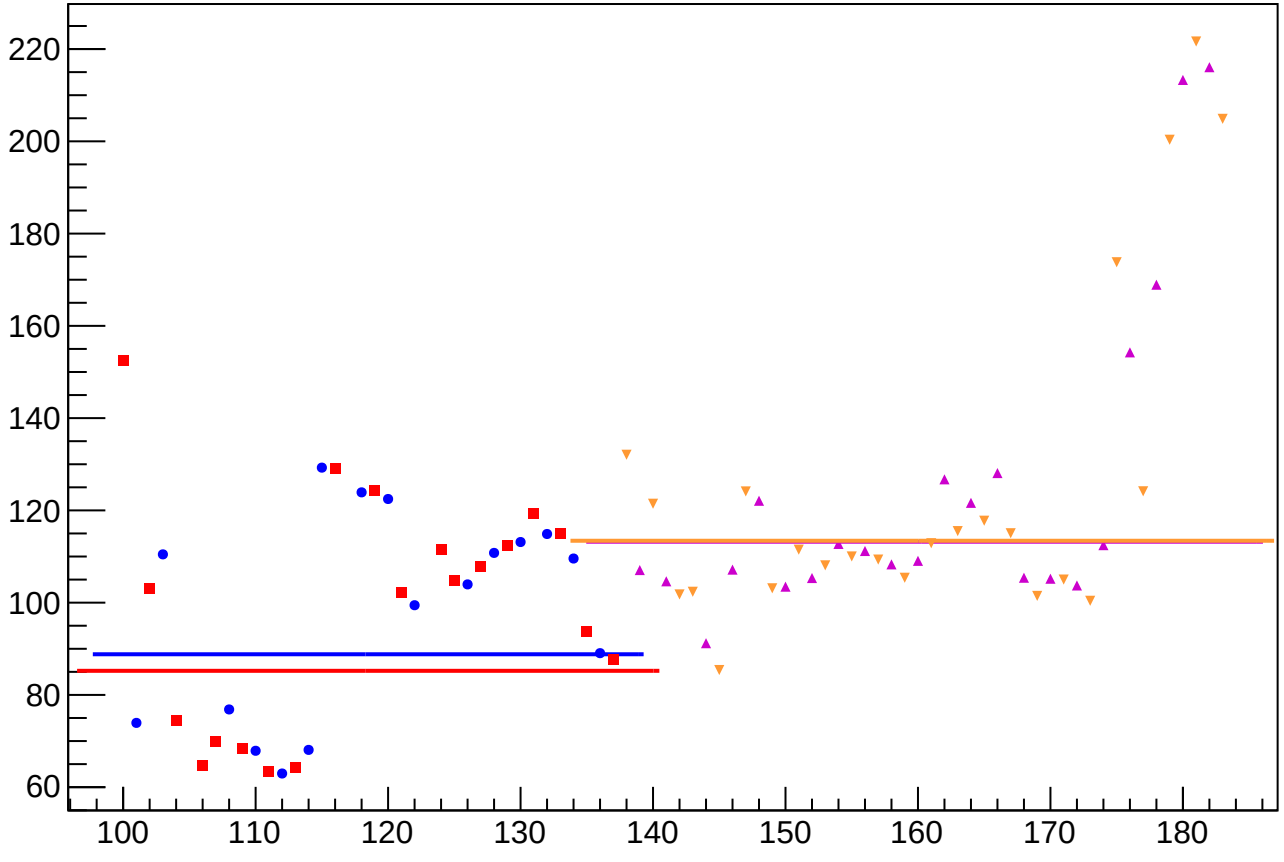
Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 35.092+/-21.383 χ^2/NDF:38.8/37

Out: 47.982+/-20.680 χ^2/NDF:42.2/42

All: 41.753+/-14.866 χ^2/NDF: 81.2/80

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 113.418+/-0.019 χ^2/NDF:1529998.2/23

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 113.208+/-0.019 χ^2/NDF:1222058.5/21

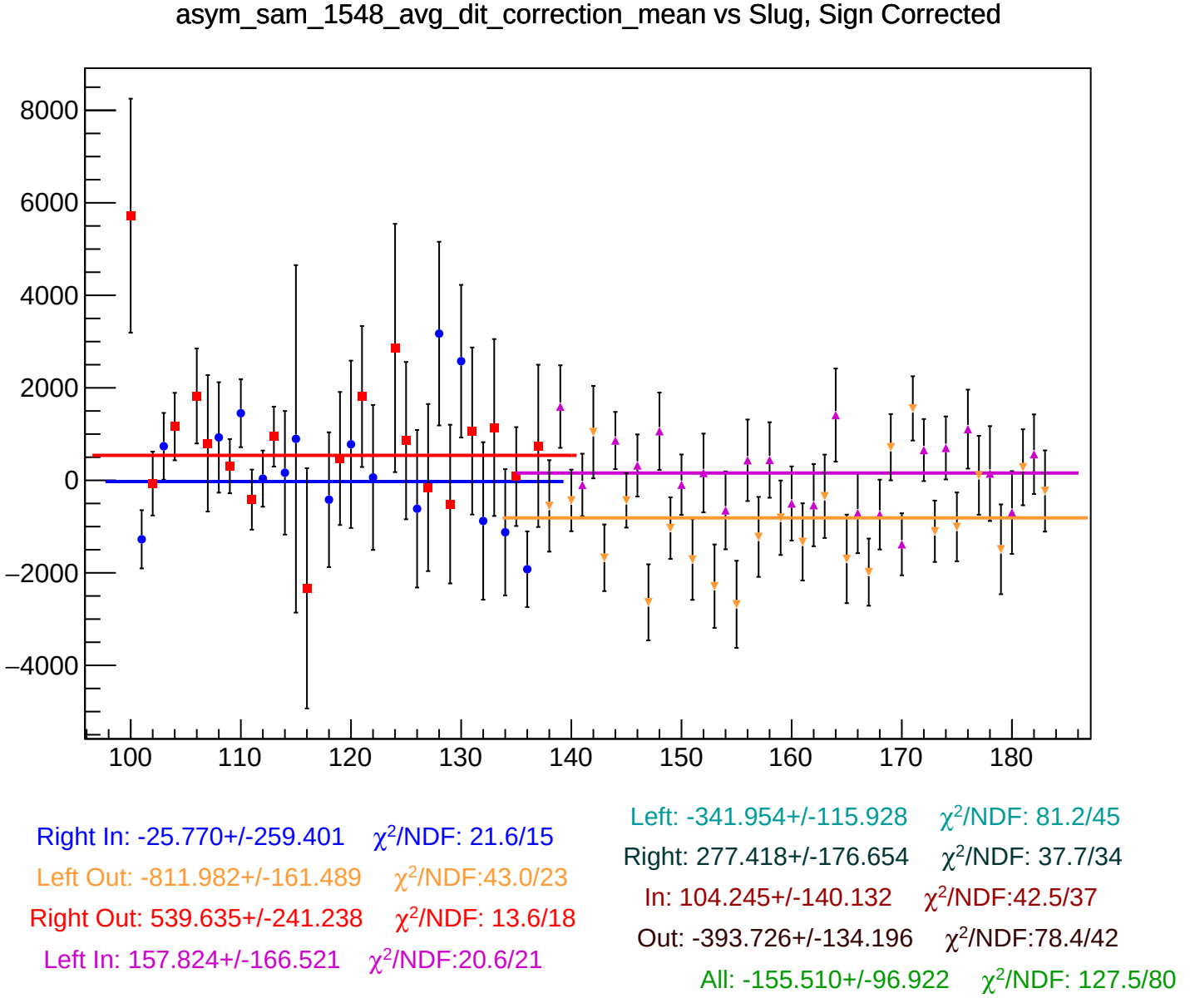
Left: 113.316+/-0.014 χ^2/NDF: 2752117.1/45

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

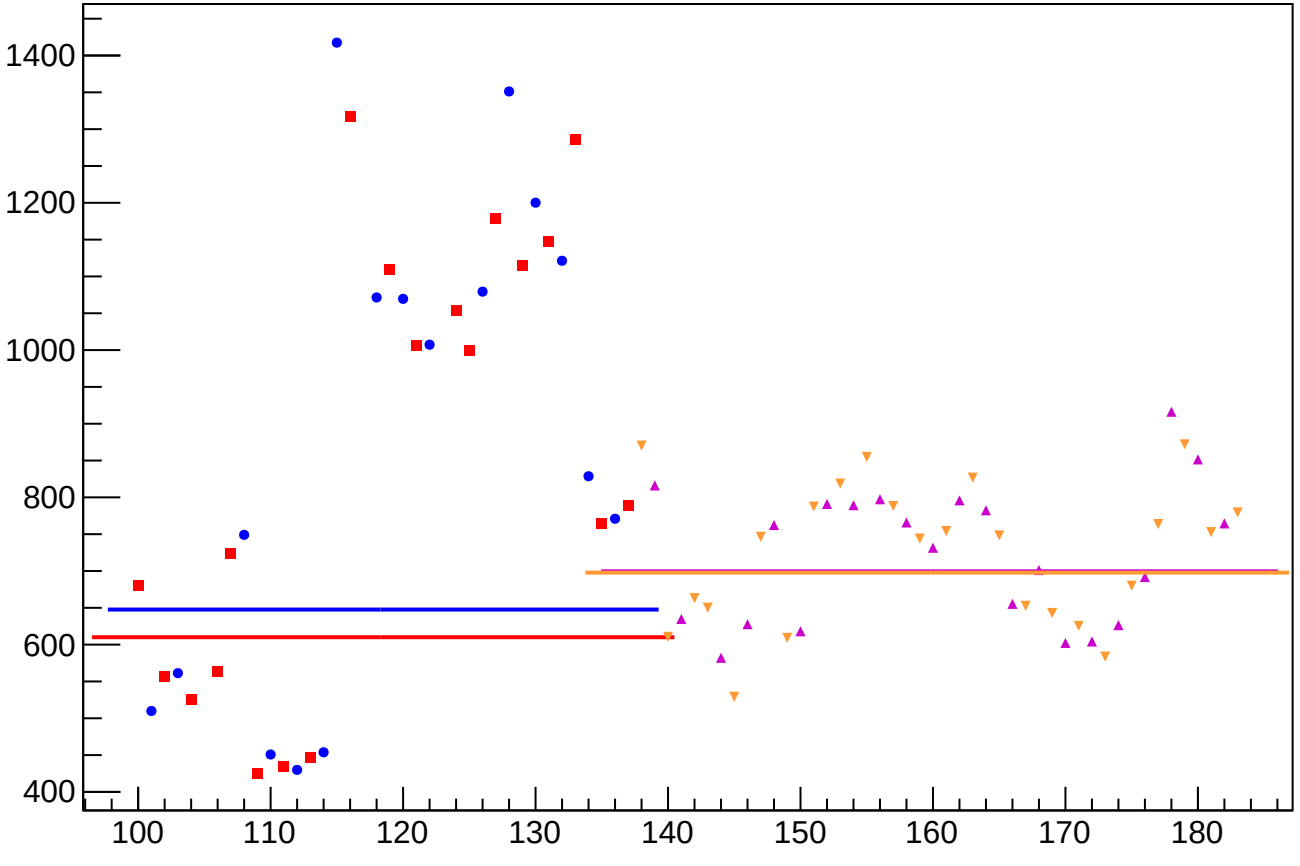
In: 103.644+/-0.015 χ^2/NDF:2567032.2/37

Out: 102.095+/-0.015 χ^2/NDF:3307383.4/42

All: 102.844+/-0.011 χ^2/NDF: 5879839.5/80


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: -811.982+/-161.489 χ²/NDF:43.0/23
Right Out: 539.635+/-241.238 χ²/NDF: 13.6/18
Left In: 157.824+/-166.521 χ²/NDF:20.6/21
Left: -341.954+/-115.928 χ²/NDF: 81.2/45
Right: 277.418+/-176.654 χ²/NDF: 37.7/34
In: 104.245+/-140.132 χ²/NDF:42.5/37
Out: -393.726+/-134.196 χ²/NDF:78.4/42
All: -155.510+/-96.922 χ²/NDF: 127.5/80

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: 697.803+/-0.114 χ^2/NDF:713523.5/23

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 699.584+/-0.118 χ^2/NDF:583151.6/21

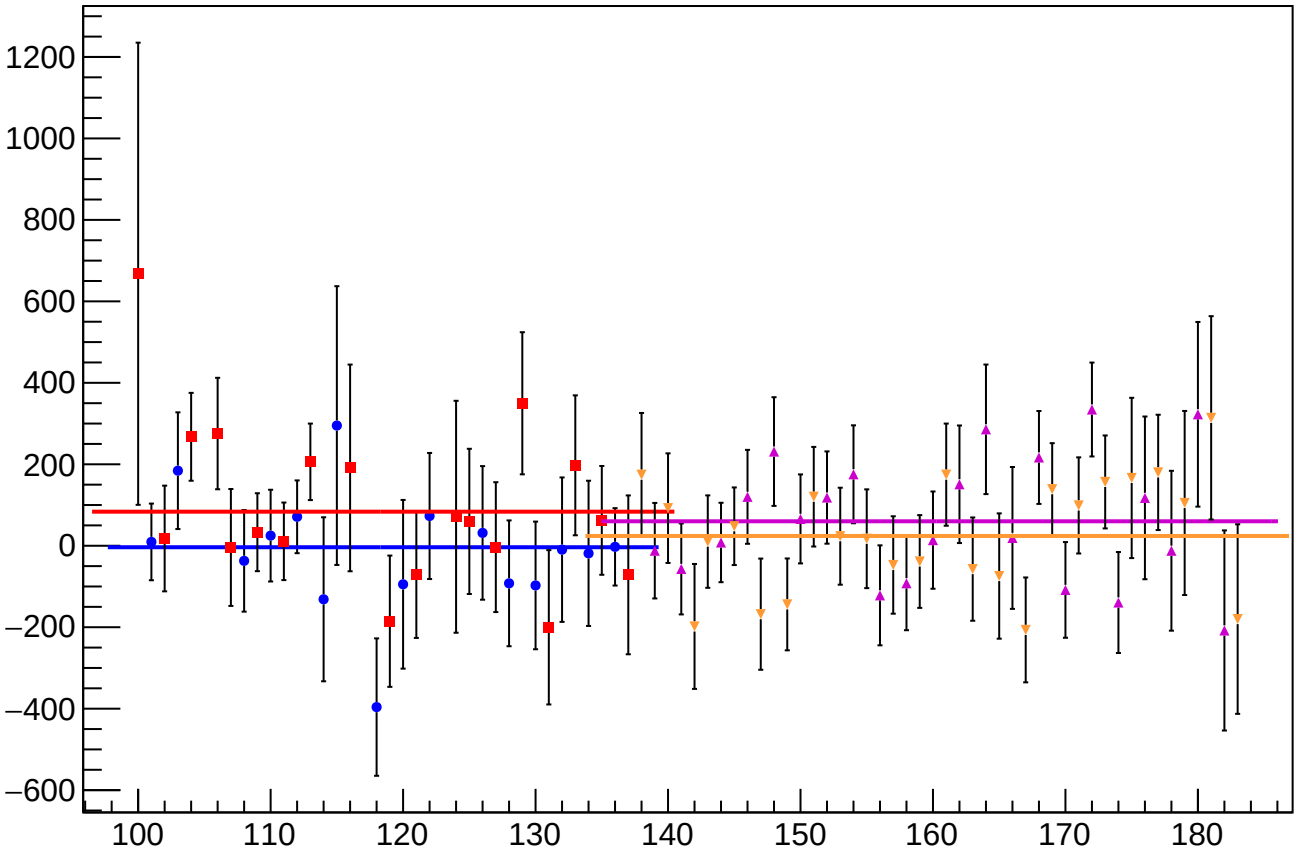
Left: 698.666+/-0.082 χ^2/NDF: 1296793.1/45

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 684.425+/-0.099 χ^2/NDF:2527759.4/37

Out: 670.651+/-0.095 χ^2/NDF:2970477.0/42

All: 677.240+/-0.069 χ^2/NDF: 5508316.2/80



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 24.027+/-26.734 χ^2/NDF:21.1/23

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 60.064+/-27.424 χ^2/NDF:26.4/21

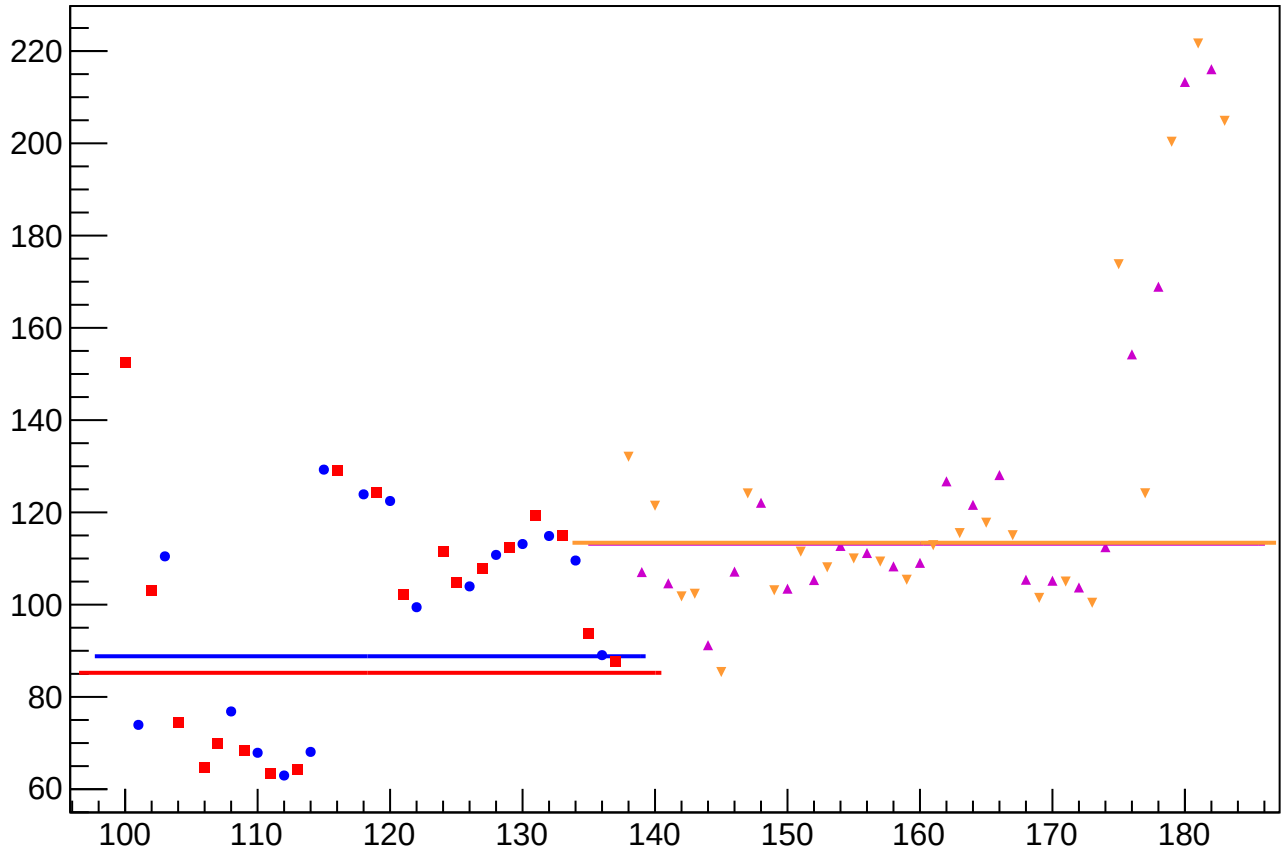
Left: 41.586+/-19.143 χ^2/NDF: 48.4/45

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 35.093+/-21.383 χ^2/NDF:38.8/37

Out: 47.983+/-20.680 χ^2/NDF:42.2/42

All: 41.753+/-14.866 χ^2/NDF: 81.2/80



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 113.418+/-0.019 χ^2/NDF:1529990.2/23

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: 113.316+/-0.014 χ^2/NDF: 2752087.8/45

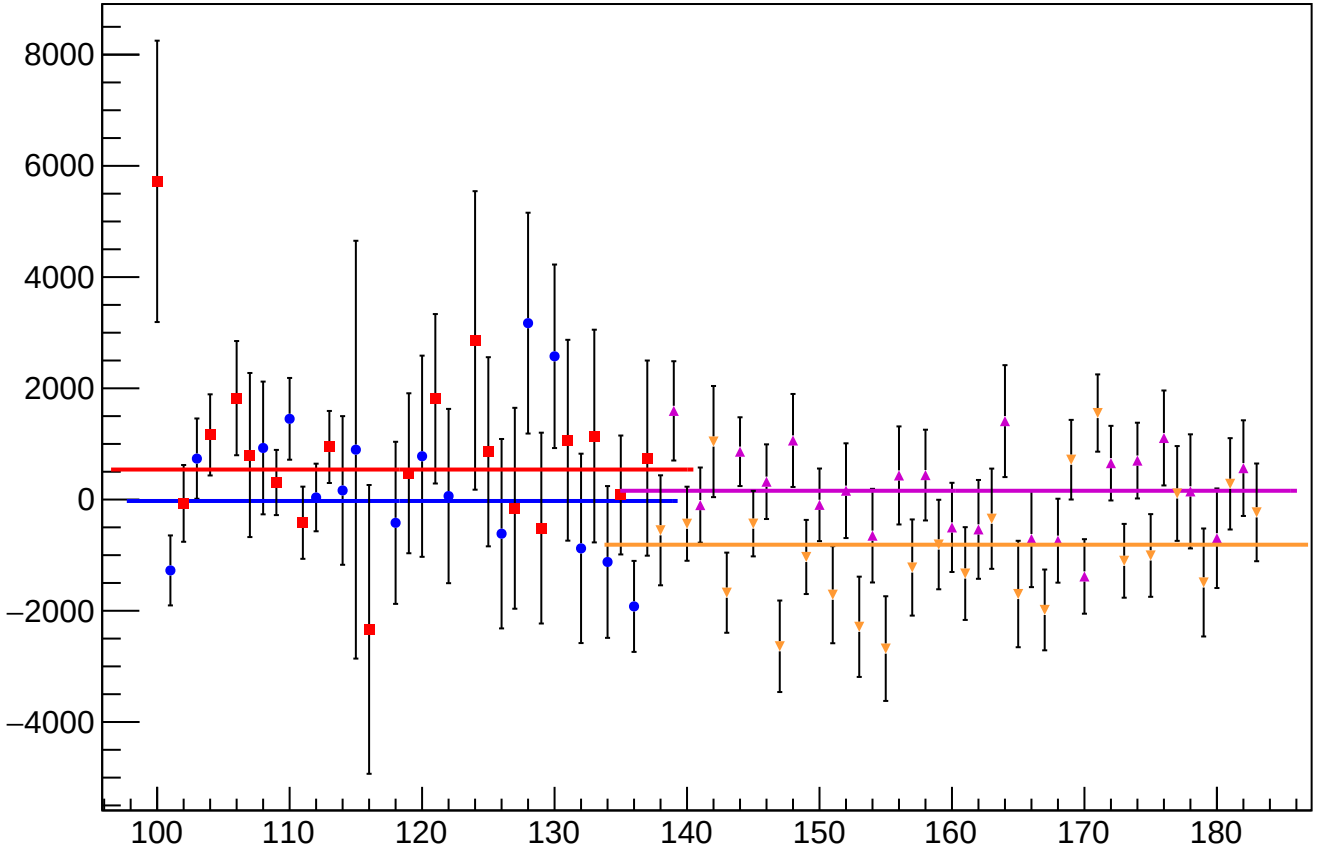
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 103.644+/-0.015 χ^2/NDF:2567019.4/37

Out: 102.095+/-0.015 χ^2/NDF:3307387.0/42

All: 102.844+/-0.011 χ^2/NDF: 5879830.5/80

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: -811.980+/-161.489 χ^2/NDF:43.0/23

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: -341.954+/-115.928 χ^2/NDF: 81.2/45

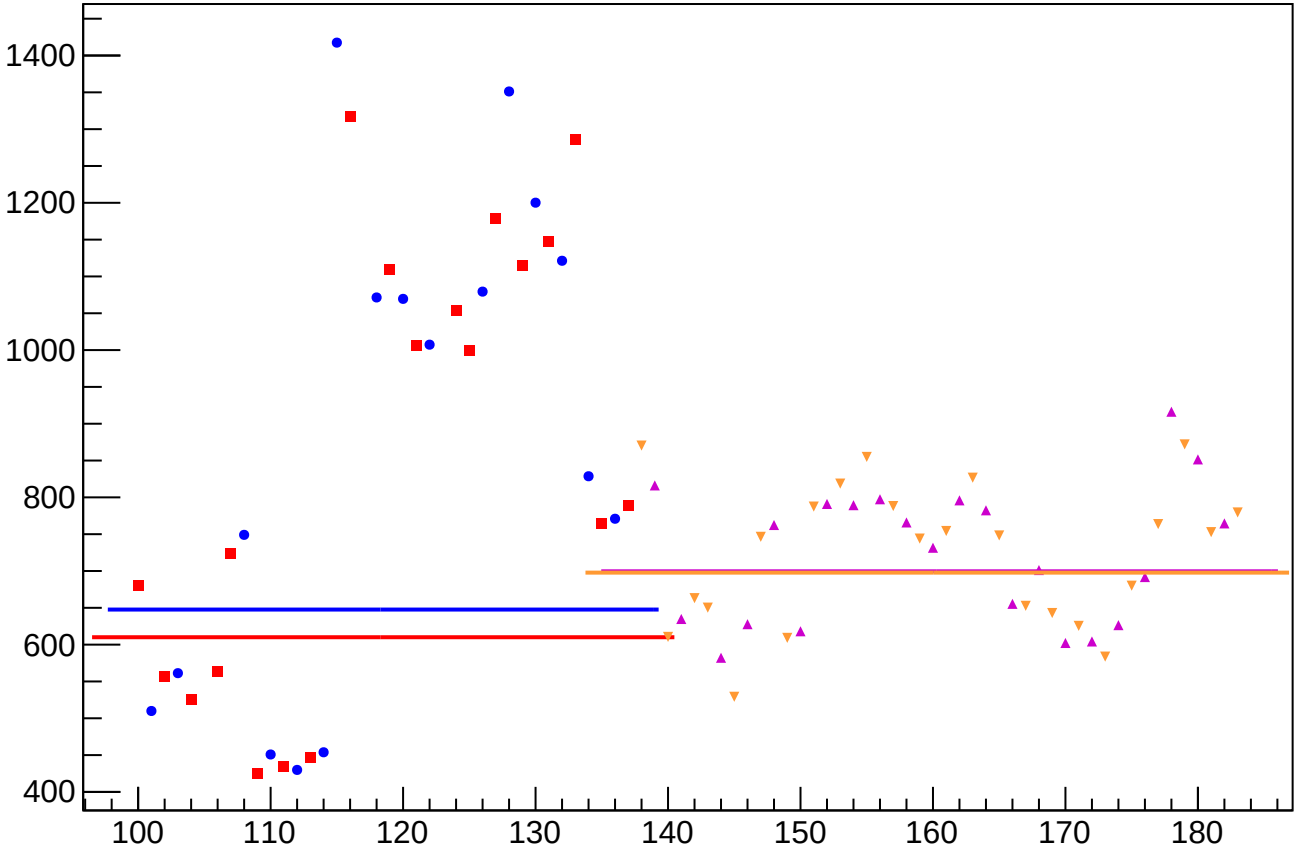
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 104.245+/-140.132 χ^2/NDF:42.5/37

Out: -393.725+/-134.196 χ^2/NDF:78.4/42

All: -155.510+/-96.922 χ^2/NDF: 127.5/80

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: 697.802+/-0.114 χ^2/NDF:713521.9/23

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 699.584+/-0.118 χ^2/NDF:583147.1/21

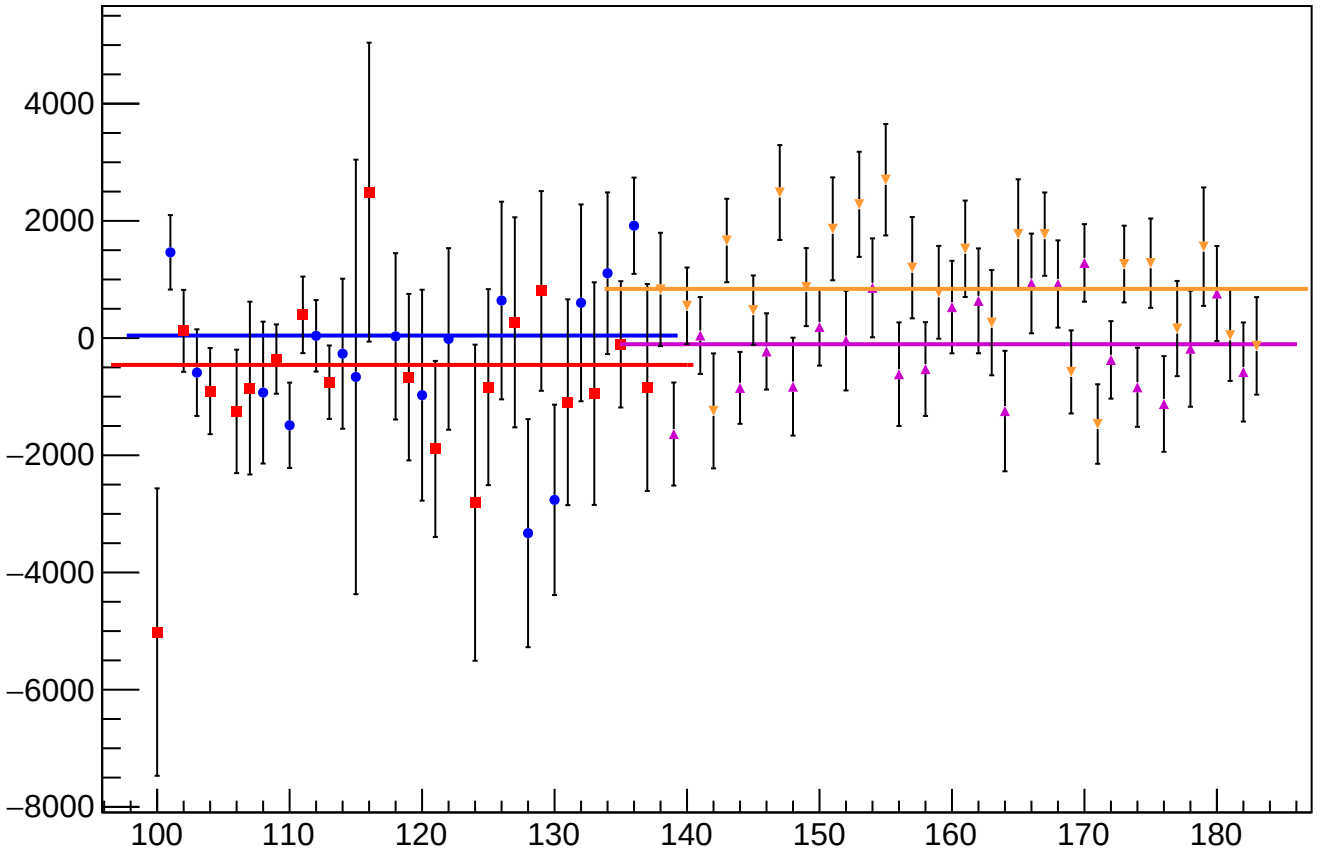
Left: 698.665+/-0.082 χ^2/NDF: 1296786.9/45

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 684.425+/-0.099 χ^2/NDF:2527760.0/37

Out: 670.650+/-0.095 χ^2/NDF:2970478.3/42

All: 677.240+/-0.069 χ^2/NDF: 5508318.3/80



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 839.525+/-159.532 χ^2/NDF:42.3/23

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: 380.375+/-114.347 χ^2/NDF: 81.5/45

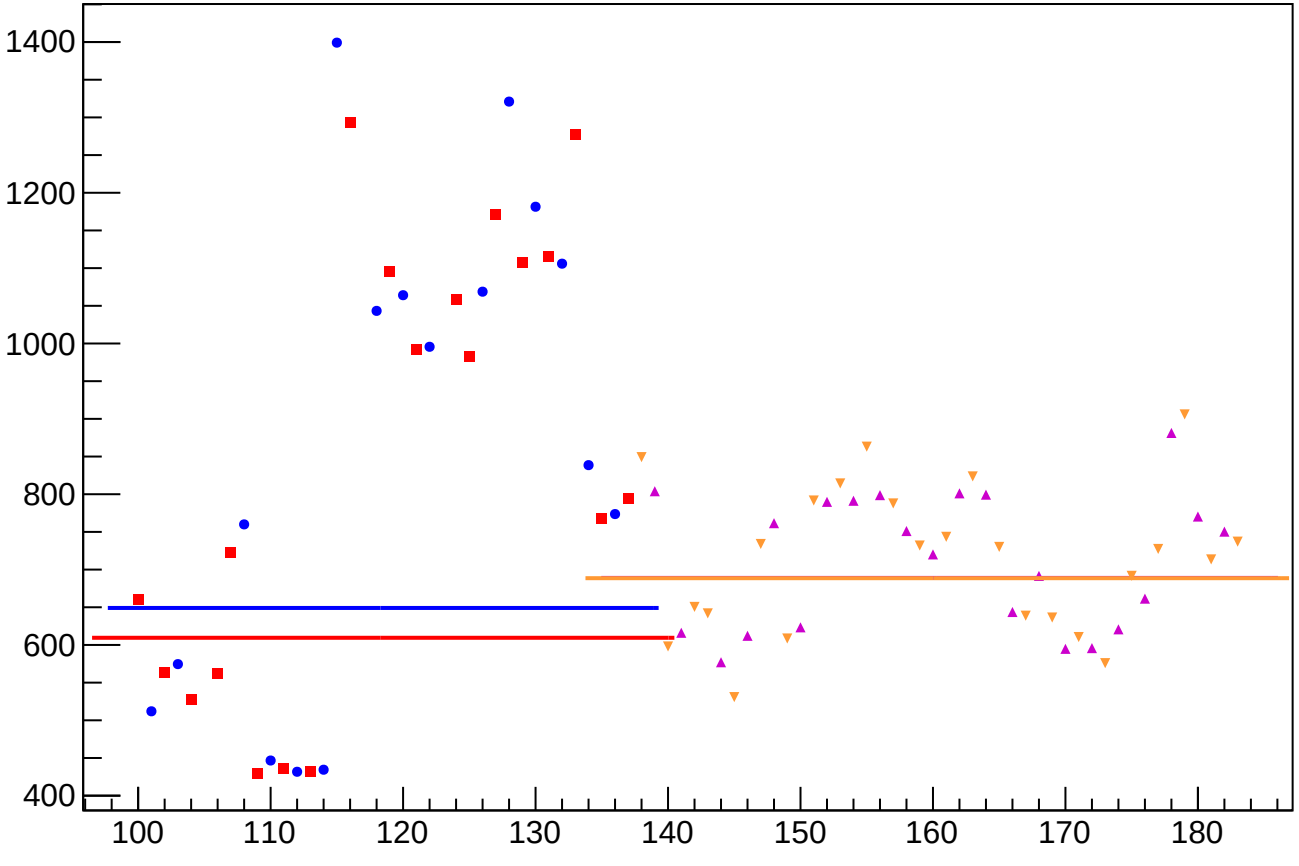
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -62.612+/-138.669 χ^2/NDF:45.6/37

Out: 444.430+/-133.046 χ^2/NDF:73.7/42

All: 201.396+/-96.004 χ^2/NDF: 126.3/80

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 688.584+/-0.113 χ^2/NDF:719841.0/23

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 688.949+/-0.116 χ^2/NDF:560996.9/21

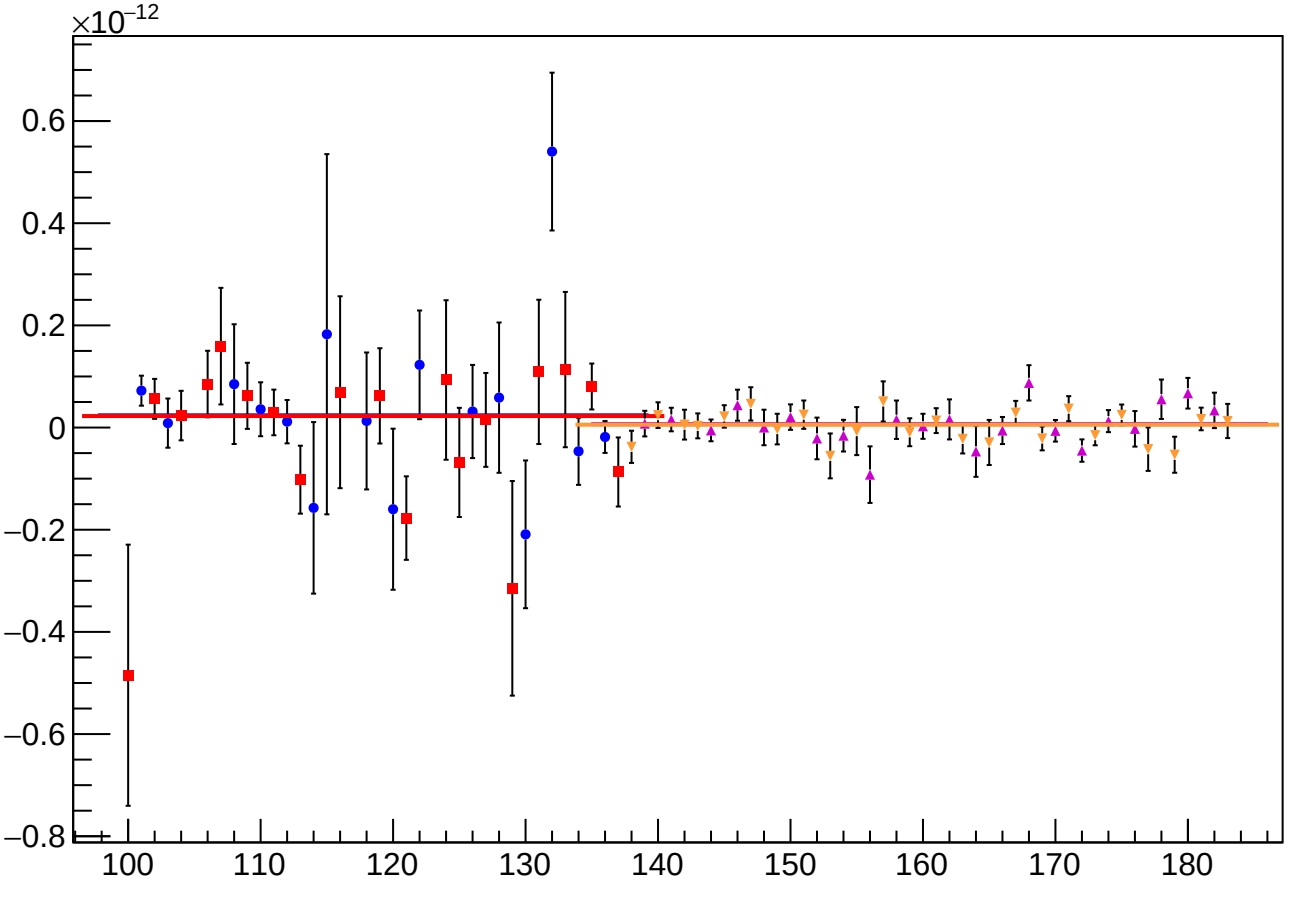
Left: 688.762+/-0.081 χ^2/NDF: 1280843.0/45

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 677.593+/-0.098 χ^2/NDF:2440477.1/37

Out: 664.510+/-0.094 χ^2/NDF:2913017.0/42

All: 670.781+/-0.068 χ^2/NDF: 5362764.1/80



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.8/23

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: 46.6/45

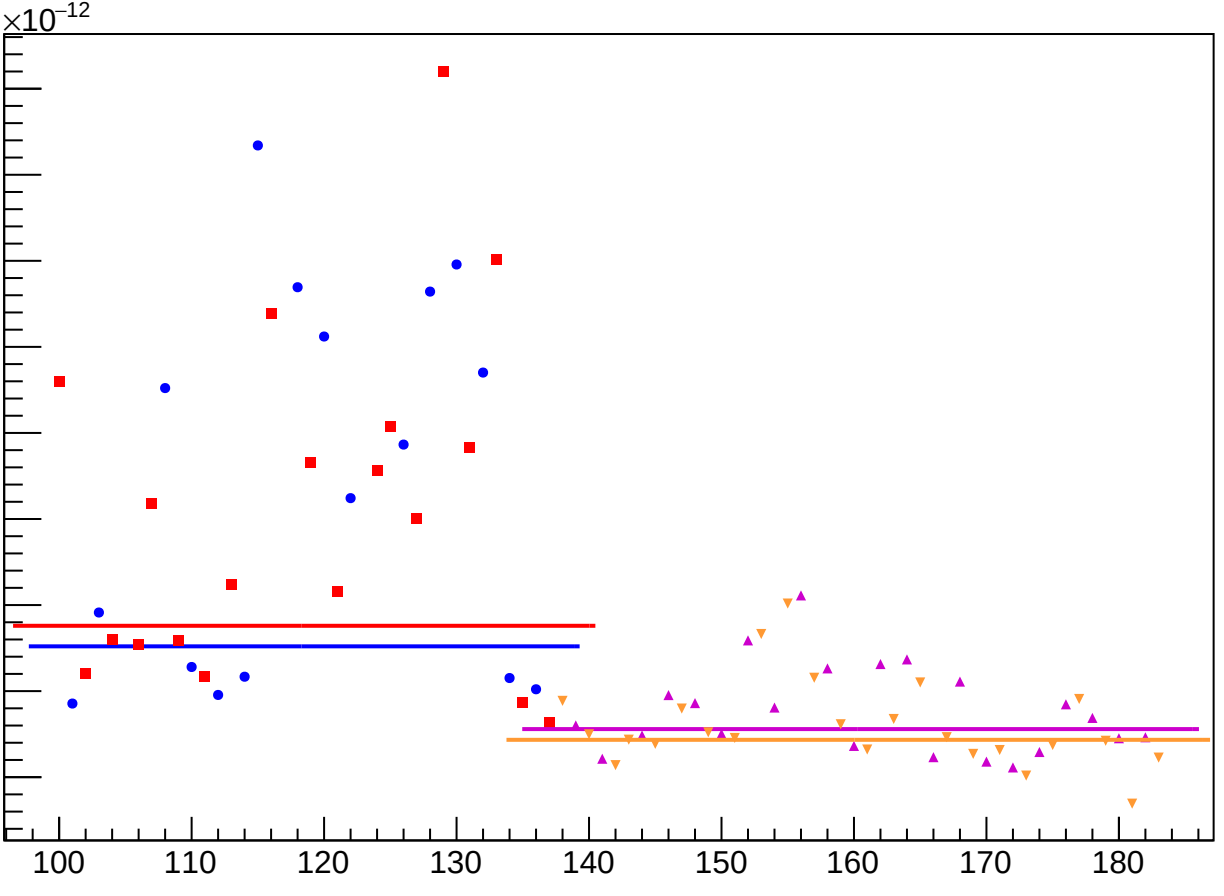
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:50.6/37

Out: 0.000+/-0.000 χ^2/NDF:47.4/42

All: 0.000+/-0.000 χ^2/NDF: 98.0/80

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:976771.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:884893.6/21

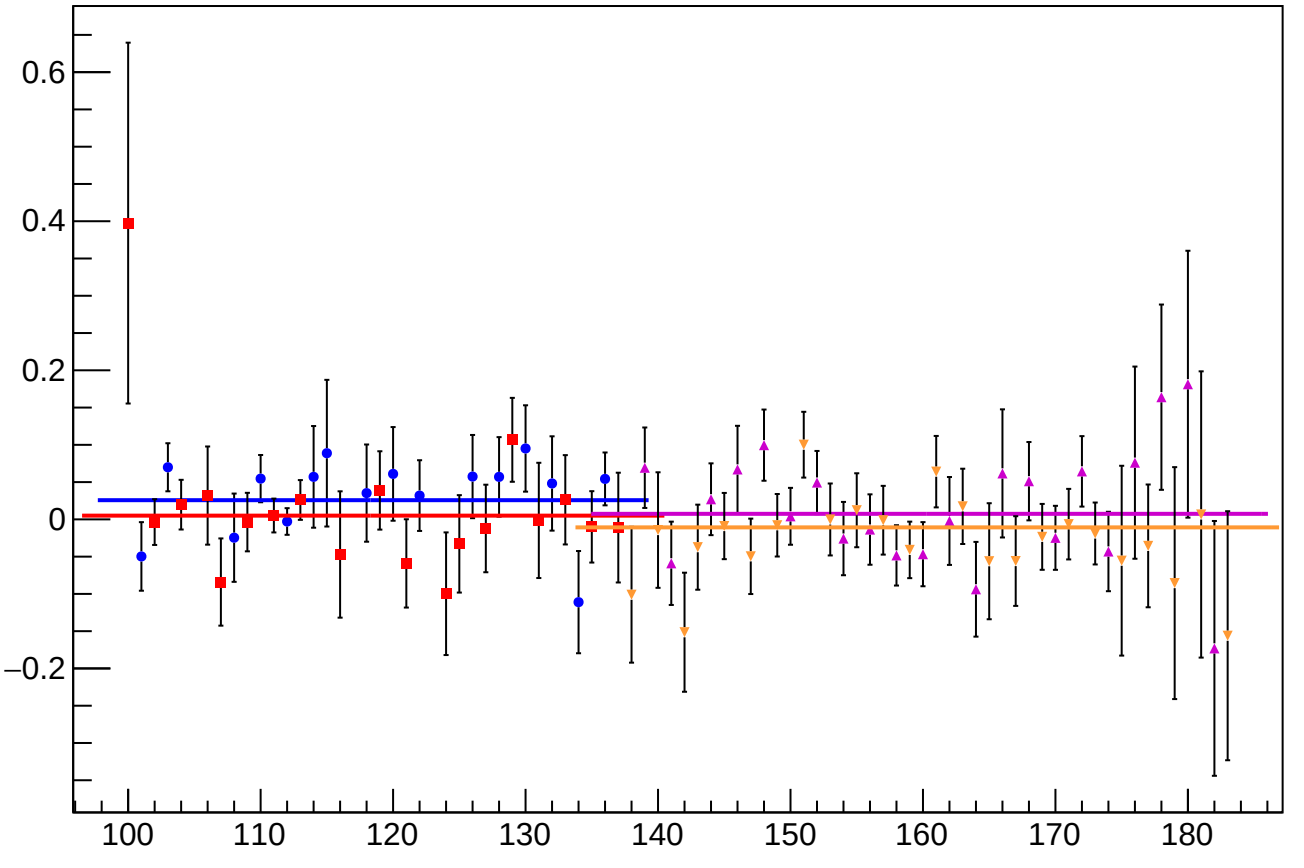
Left: 0.000+/-0.000 χ^2/NDF: 1906928.1/45

Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:2885141.0/37

Out: 0.000+/-0.000 χ^2/NDF:3141753.7/42

All: 0.000+/-0.000 χ^2/NDF: 6074122.4/80



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.011 χ^2/NDF:17.1/23

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: -0.002+/-0.008 χ^2/NDF: 41.7/45

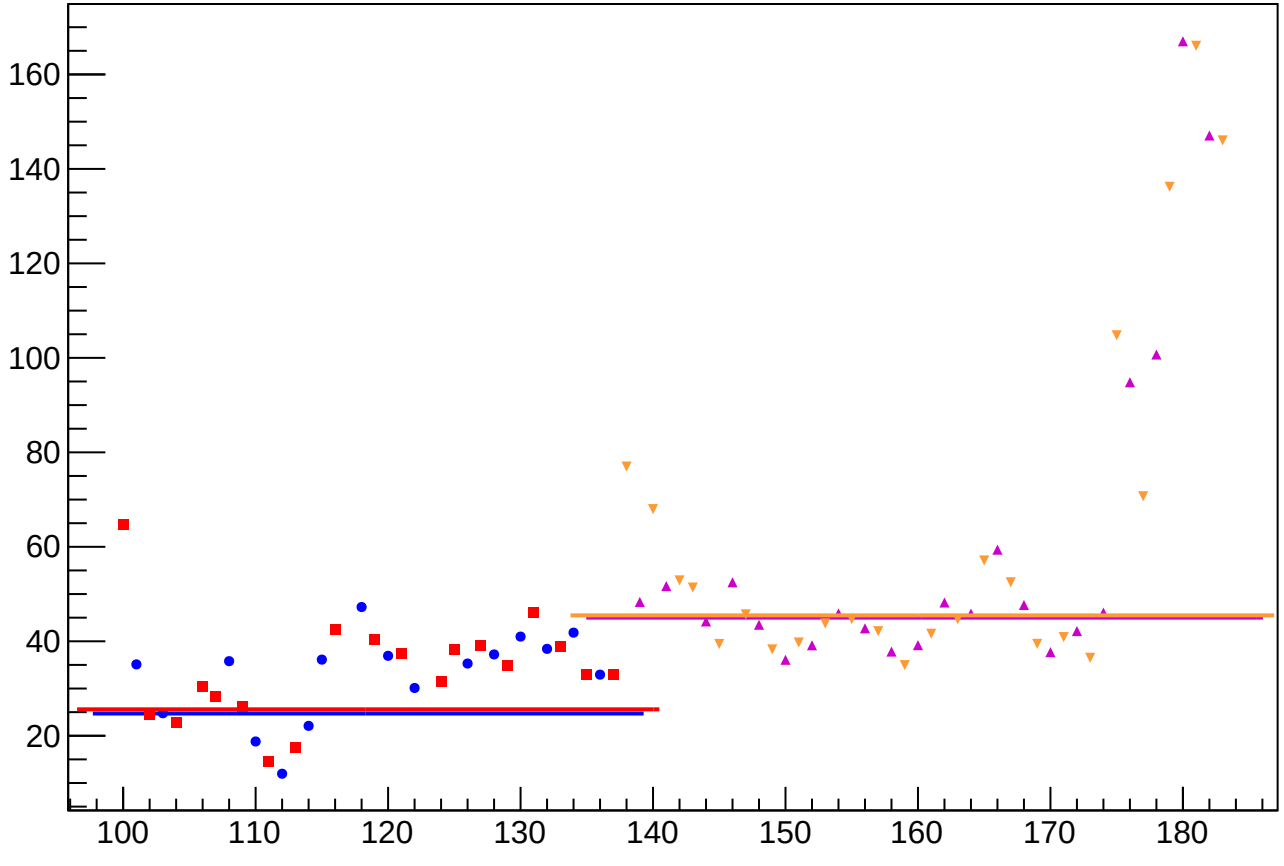
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:41.2/37

Out: -0.002+/-0.008 χ^2/NDF:31.8/42

All: 0.008+/-0.005 χ^2/NDF: 76.3/80

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.486+/-0.008 χ^2/NDF:3793353.1/23

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: 45.252+/-0.006 χ^2/NDF: 6594618.0/45

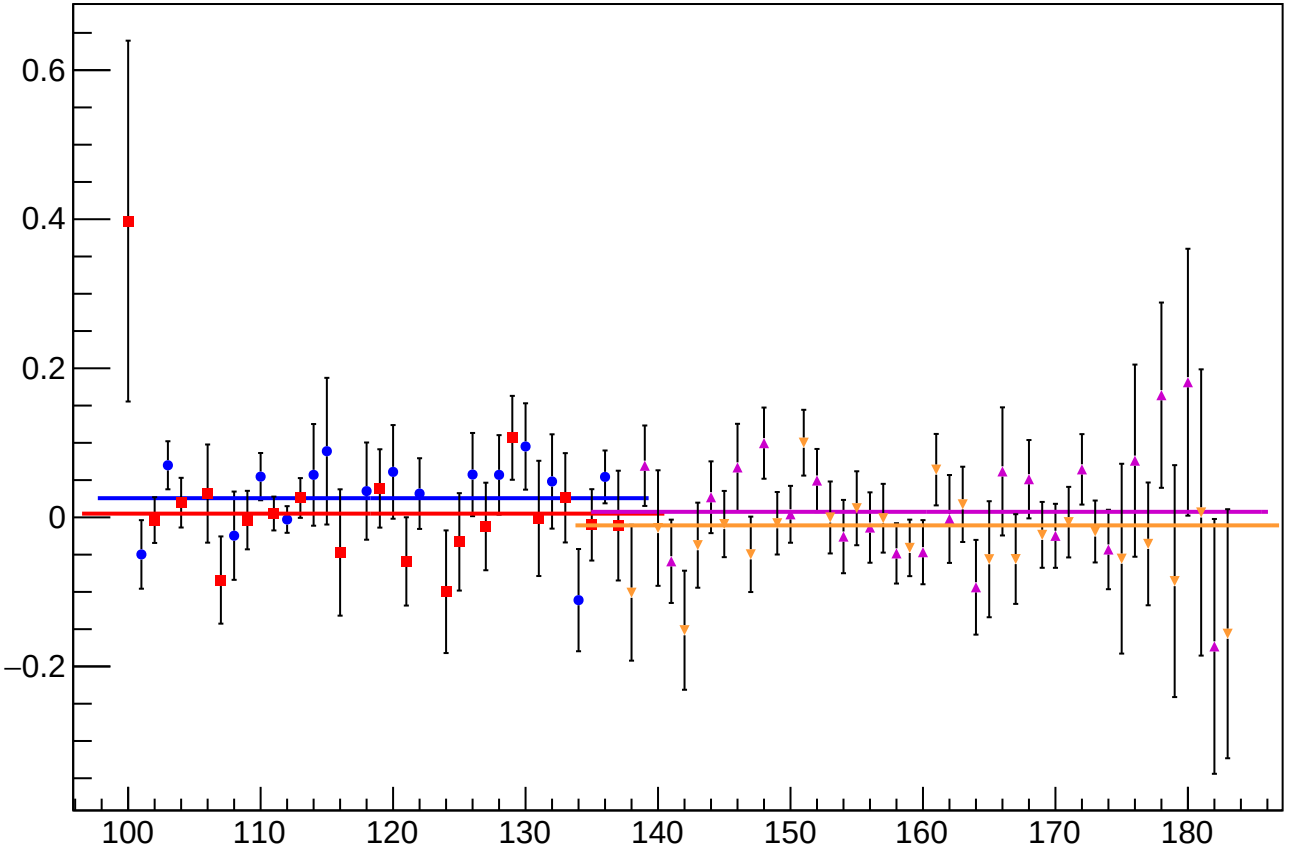
Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.859+/-0.005 χ^2/NDF:8556744.8/37

Out: 34.682+/-0.005 χ^2/NDF:8773130.6/42

All: 34.273+/-0.004 χ^2/NDF: 17341417.8/80

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.011 χ^2/NDF:17.1/23

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.011 χ^2/NDF:23.3/21

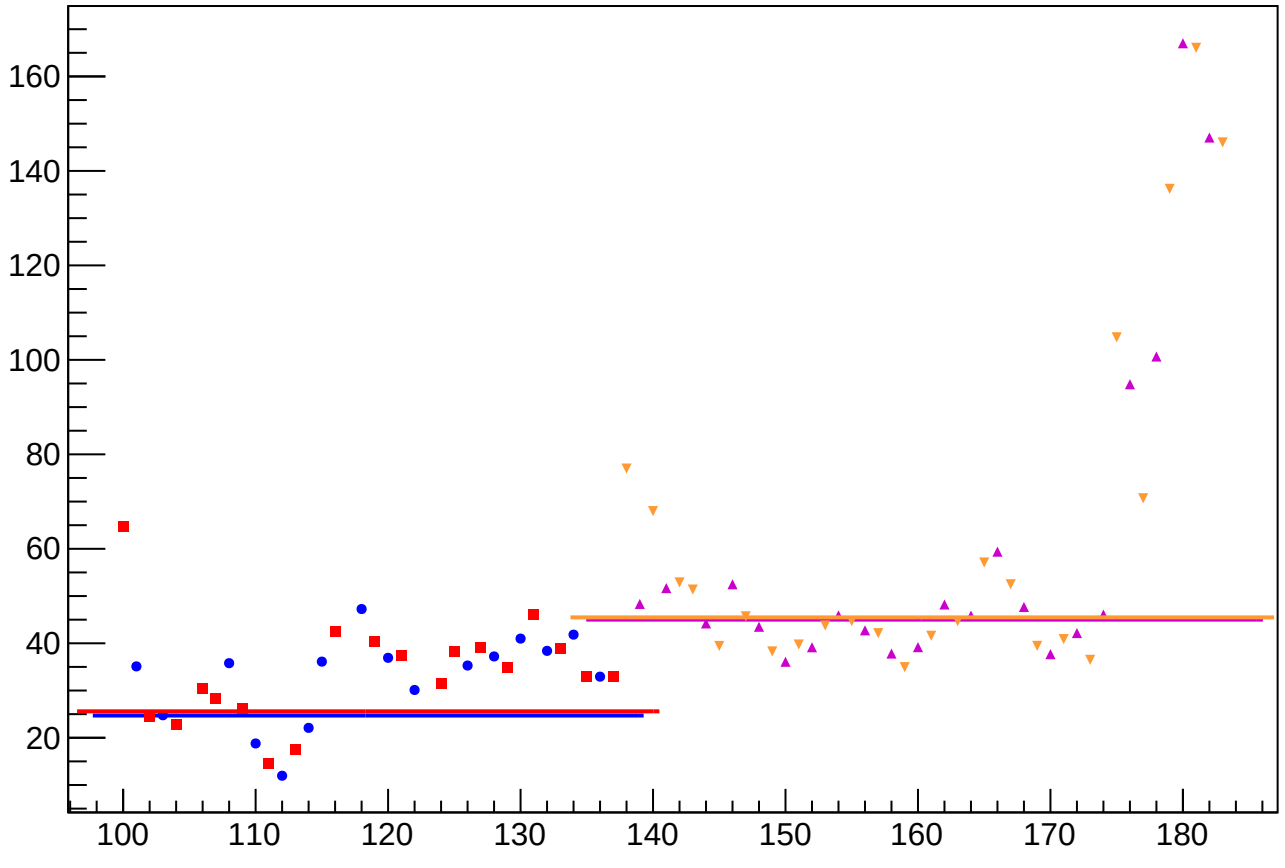
Left: -0.002+/-0.008 χ^2/NDF: 41.7/45

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:31.8/42

All: 0.008+/-0.005 χ^2/NDF: 76.3/80



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.486+/-0.008 χ^2/NDF:3793353.1/23

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 45.011+/-0.008 χ^2/NDF:2799513.3/21

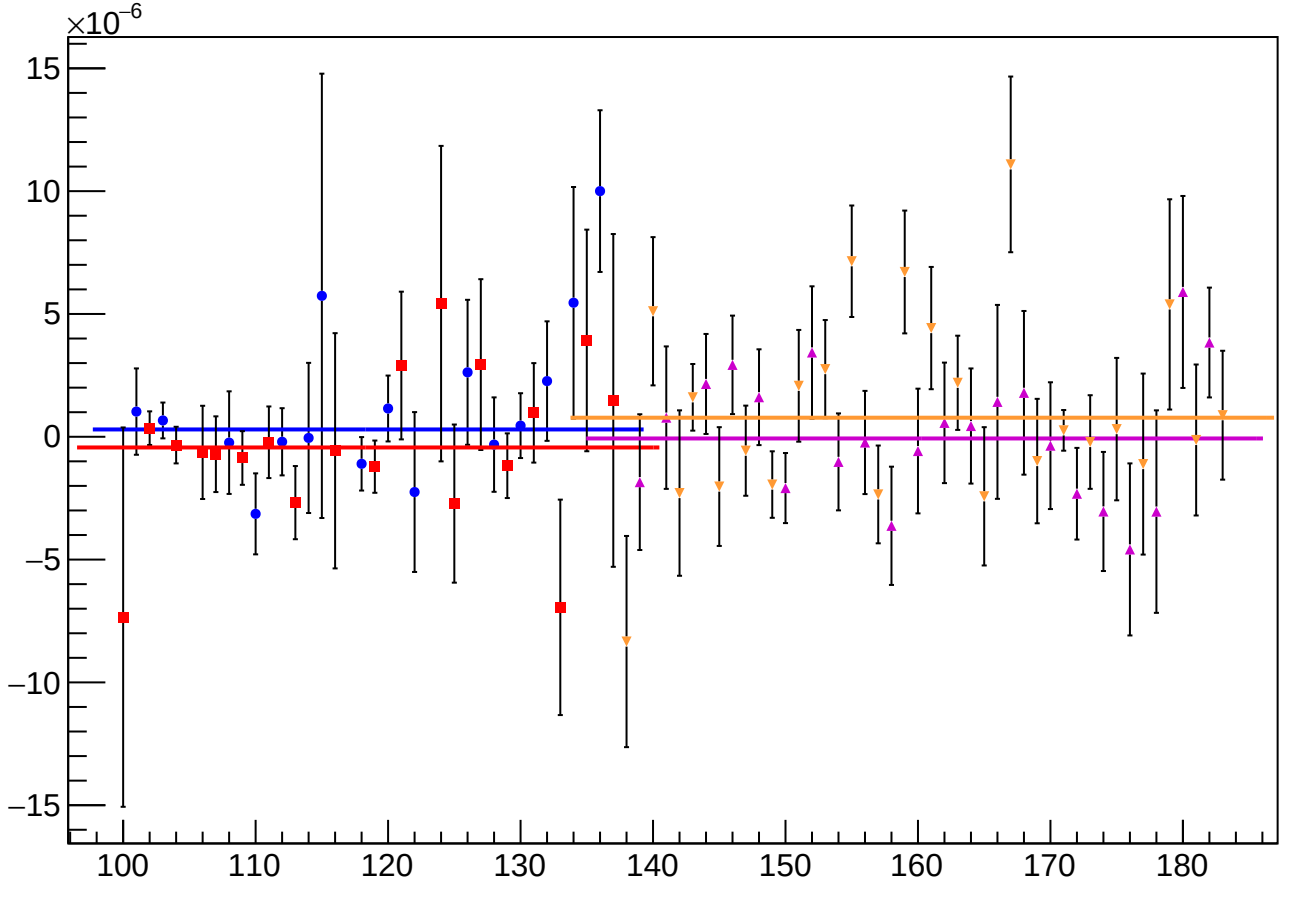
Left: 45.252+/-0.006 χ^2/NDF: 6594618.0/45

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.859+/-0.005 χ^2/NDF:8556744.8/37

Out: 34.682+/-0.005 χ^2/NDF:8773130.6/42

All: 34.273+/-0.004 χ^2/NDF: 17341417.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/21

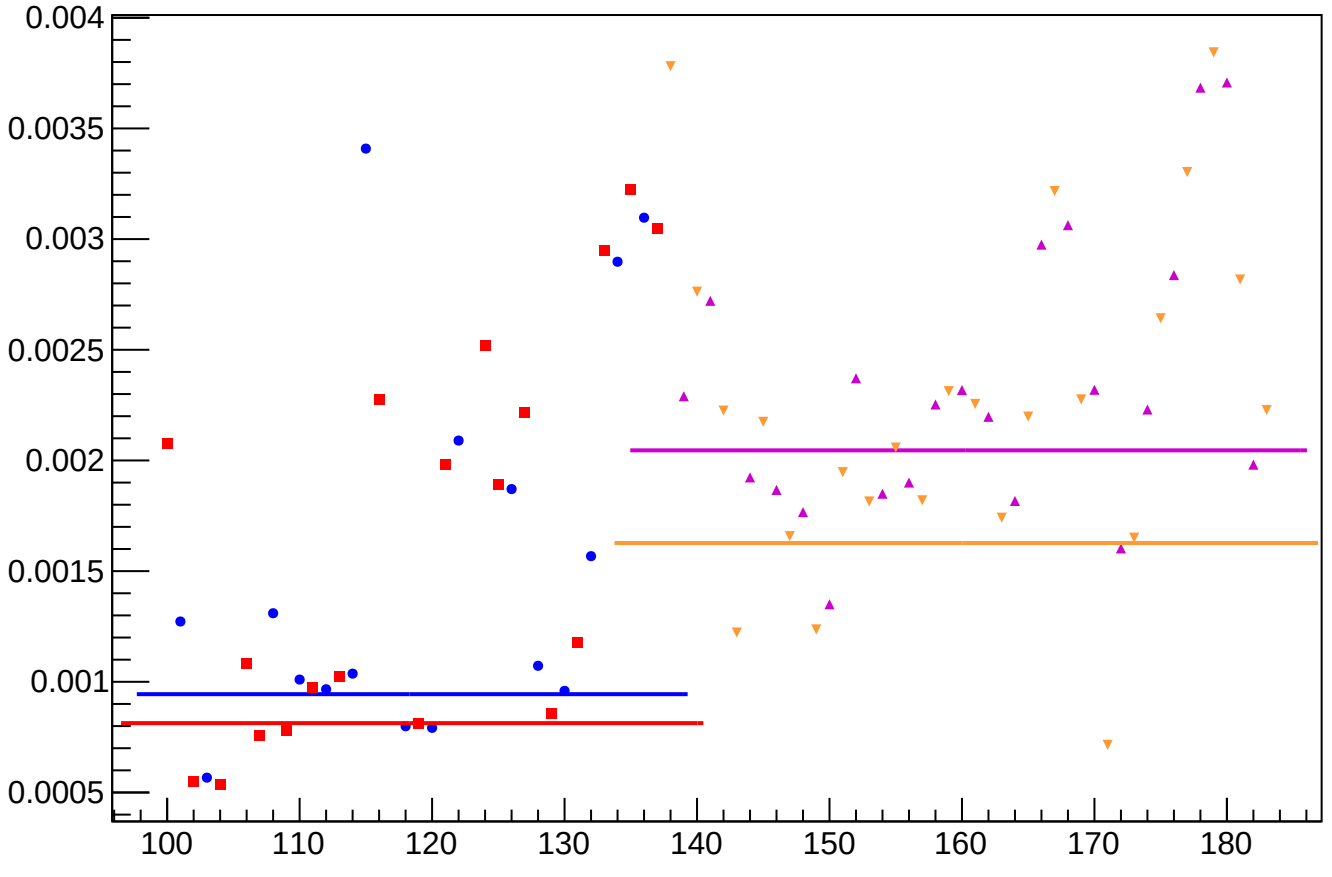
Left: 0.000+/-0.000 χ^2/NDF: 69.6/45

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:63.8/42

All: 0.000+/-0.000 χ^2/NDF: 105.4/80



Right In: 0.001+/-0.000 χ^2/NDF: 2665853.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:6365082.1/23

Right Out: 0.001+/-0.000 χ^2/NDF: 3244147.3/18

Left In: 0.002+/-0.000 χ^2/NDF:2011970.7/21

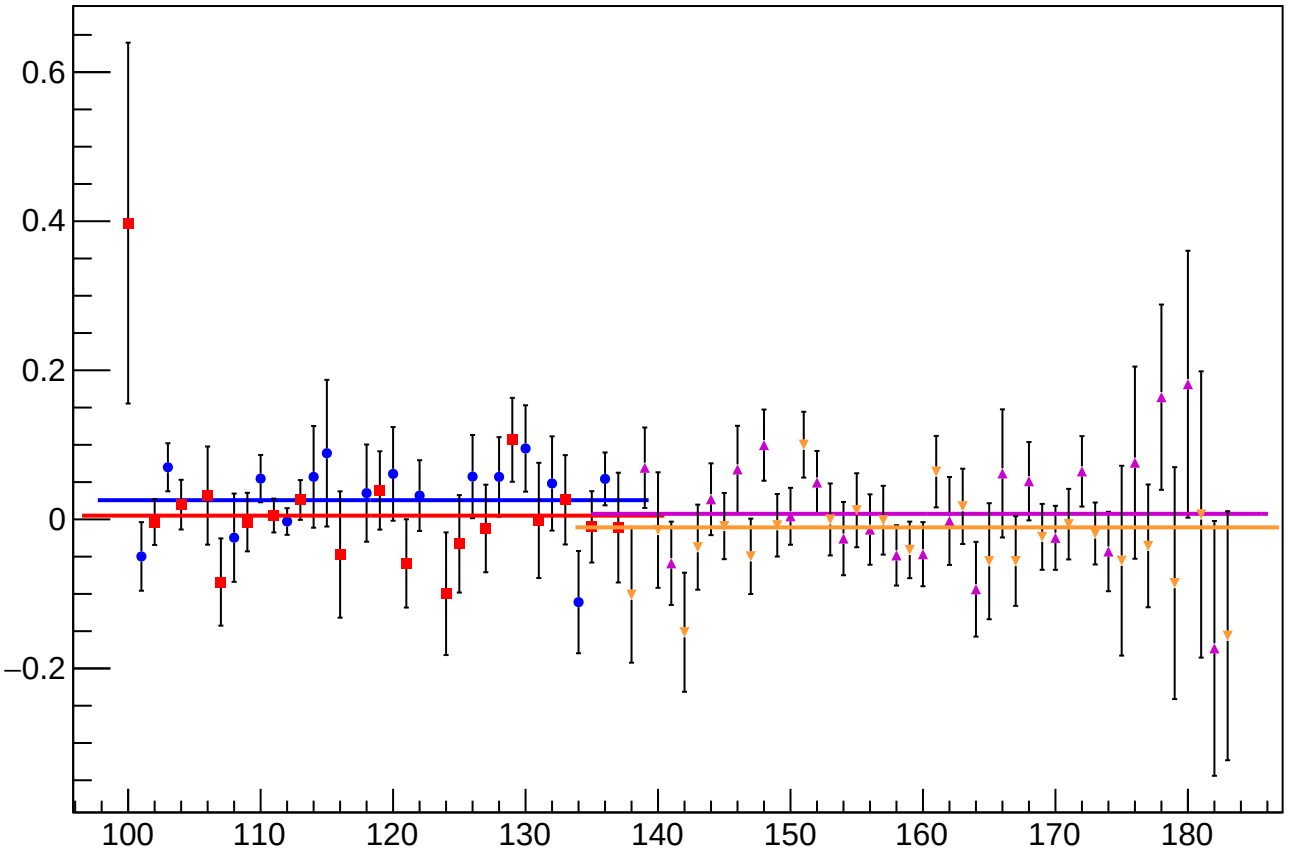
Left: 0.002+/-0.000 χ^2/NDF: 9206942.9/45

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:14234417.4/42

All: 0.001+/-0.000 χ^2/NDF: 25406336.7/80



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.011 χ^2/NDF:17.1/23

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: -0.002+/-0.008 χ^2/NDF: 41.7/45

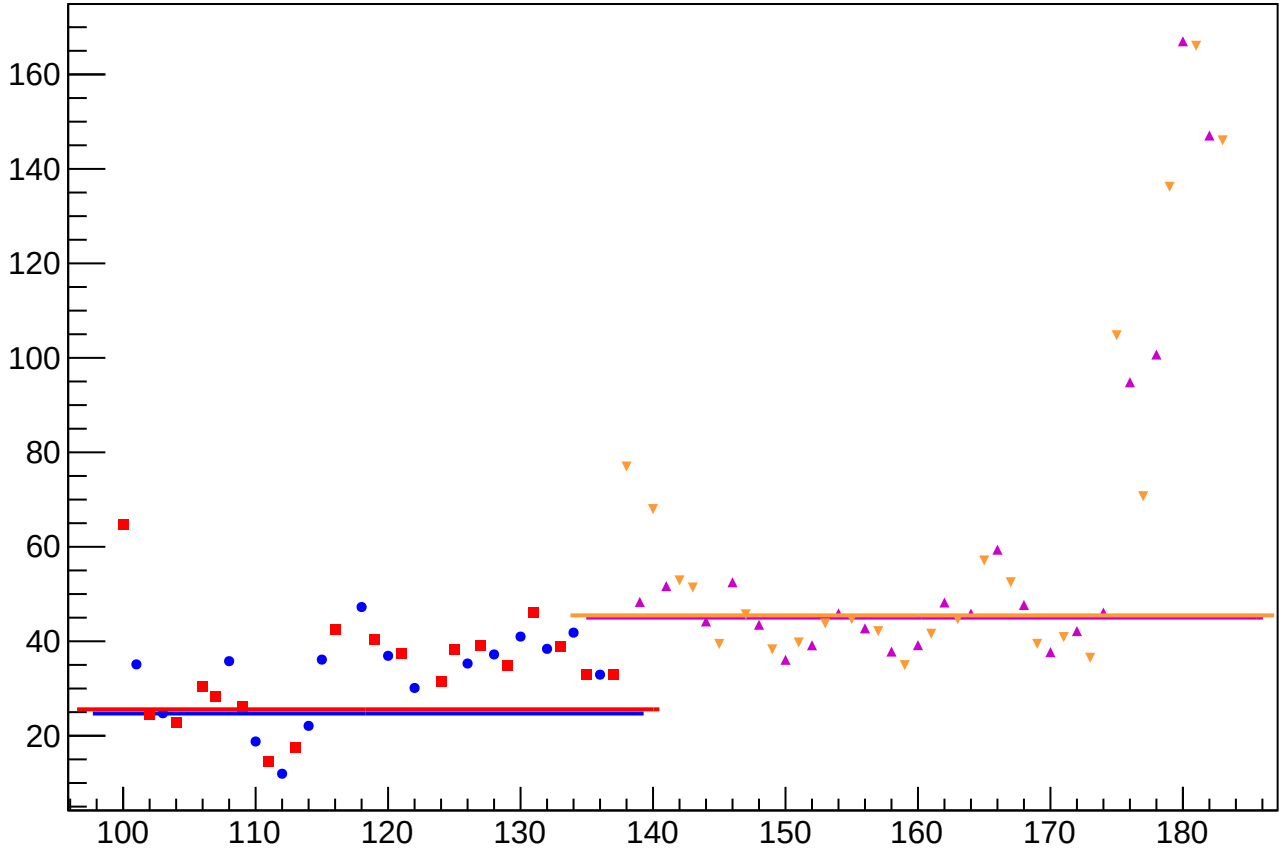
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:41.2/37

Out: -0.002+/-0.008 χ^2/NDF:31.8/42

All: 0.008+/-0.005 χ^2/NDF: 76.3/80

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: 45.487+/-0.008 χ^2/NDF:3793281.8/23

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 45.011+/-0.008 χ^2/NDF:2799428.7/21

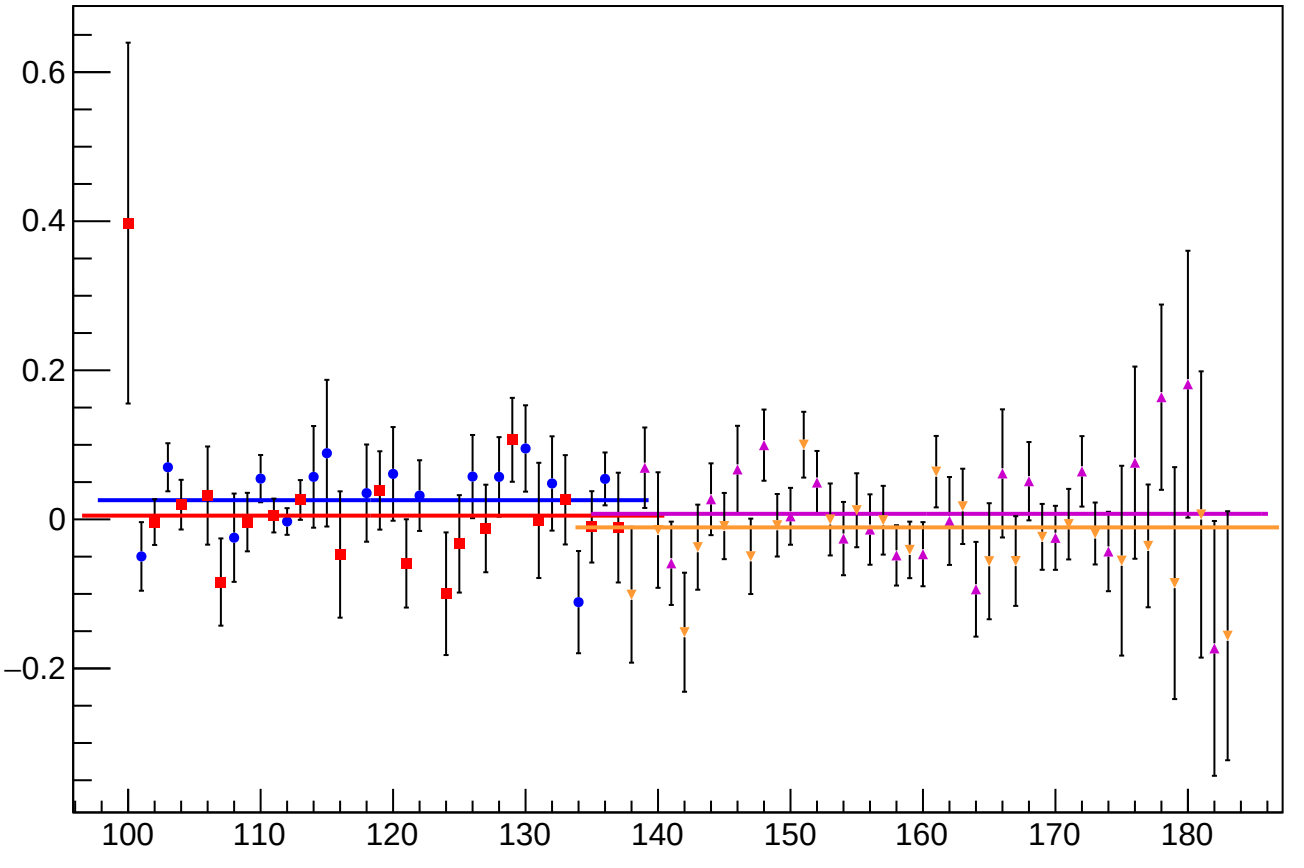
Left: 45.252+/-0.006 χ^2/NDF: 6594461.7/45

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 33.859+/-0.005 χ^2/NDF:8557190.2/37

Out: 34.681+/-0.005 χ^2/NDF:8773485.9/42

All: 34.273+/-0.004 χ^2/NDF: 17342222.2/80



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.011 χ^2/NDF:17.1/23

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: -0.002+/-0.008 χ^2/NDF: 41.7/45

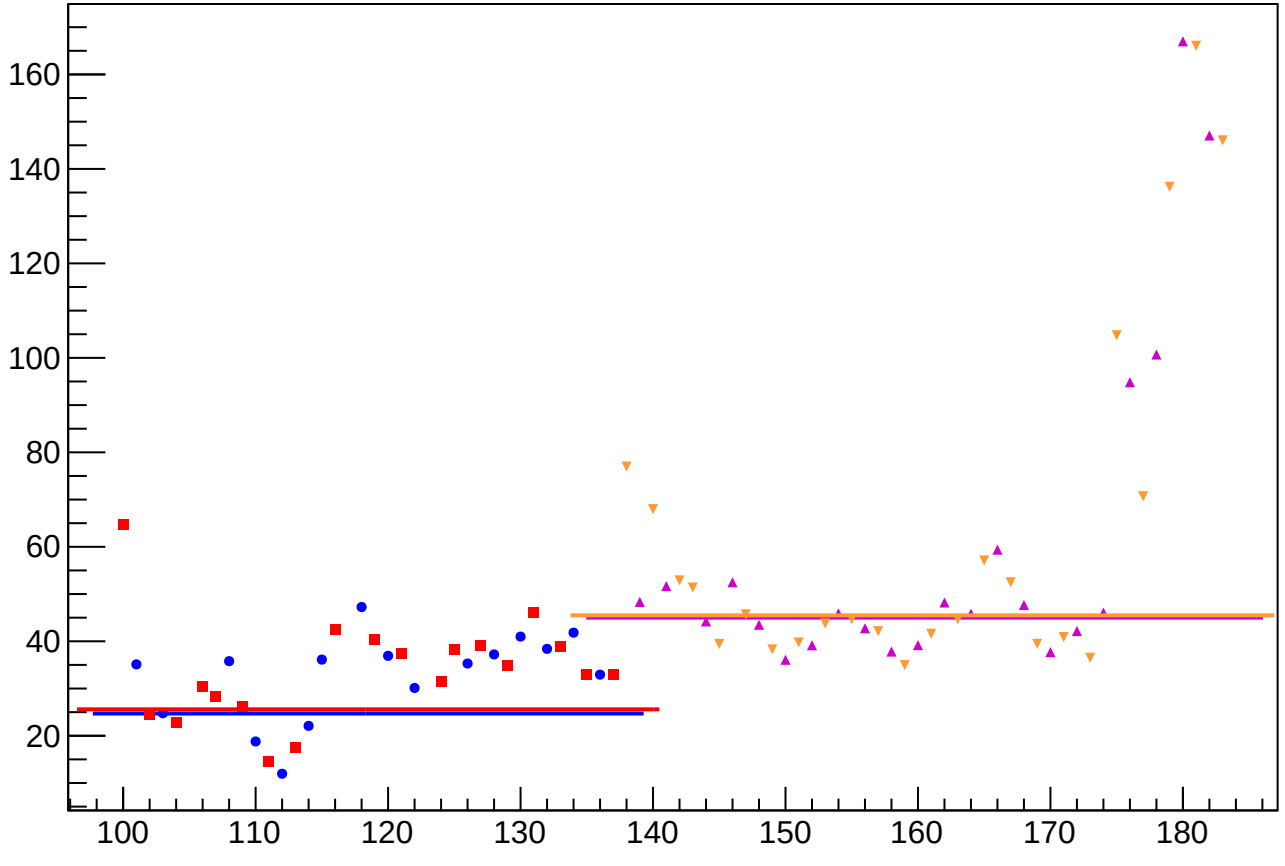
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:41.2/37

Out: -0.002+/-0.008 χ^2/NDF:31.8/42

All: 0.008+/-0.005 χ^2/NDF: 76.3/80

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: 45.487+/-0.008 χ^2/NDF:3793281.8/23

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 45.011+/-0.008 χ^2/NDF:2799428.7/21

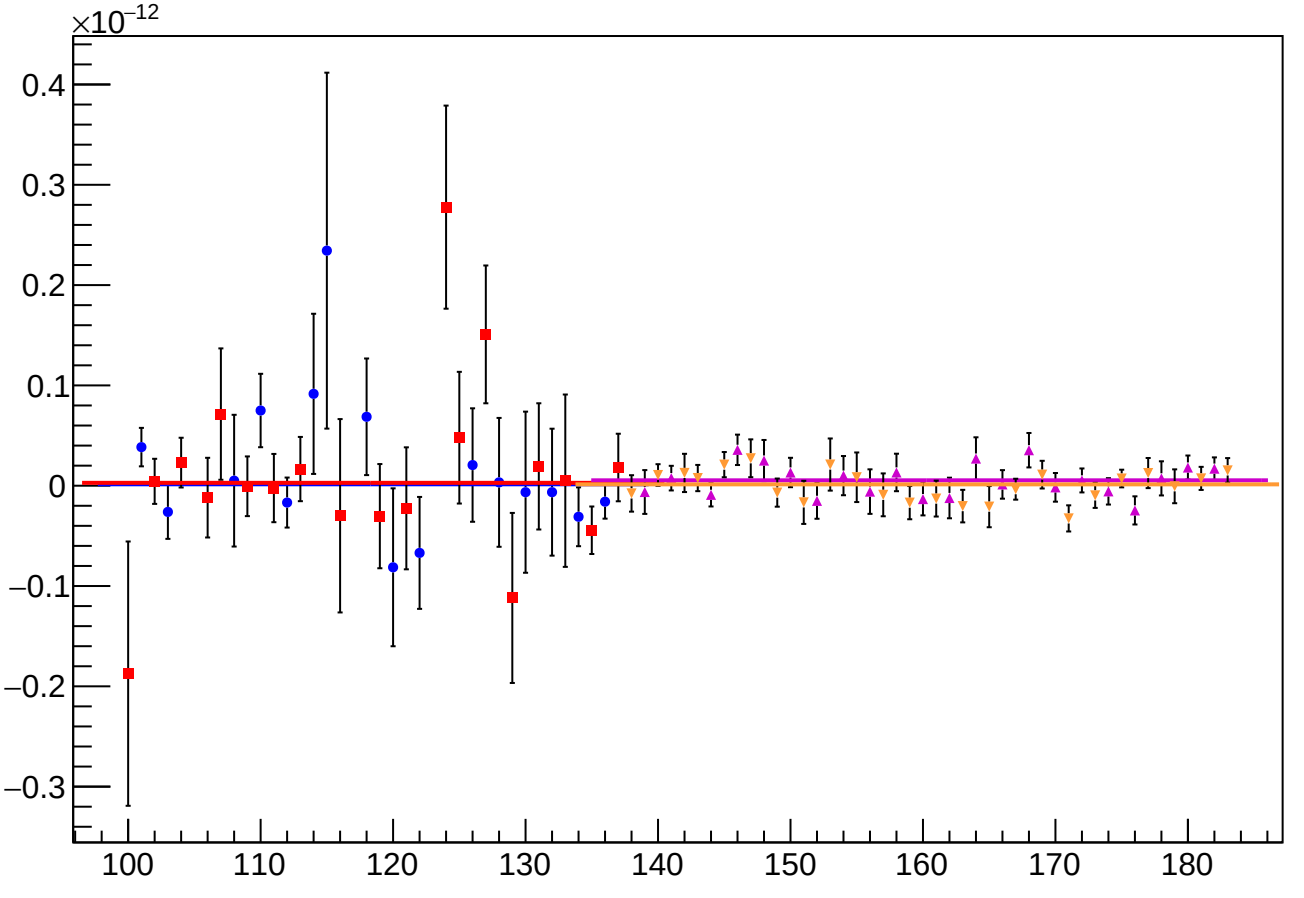
Left: 45.252+/-0.006 χ^2/NDF: 6594461.7/45

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

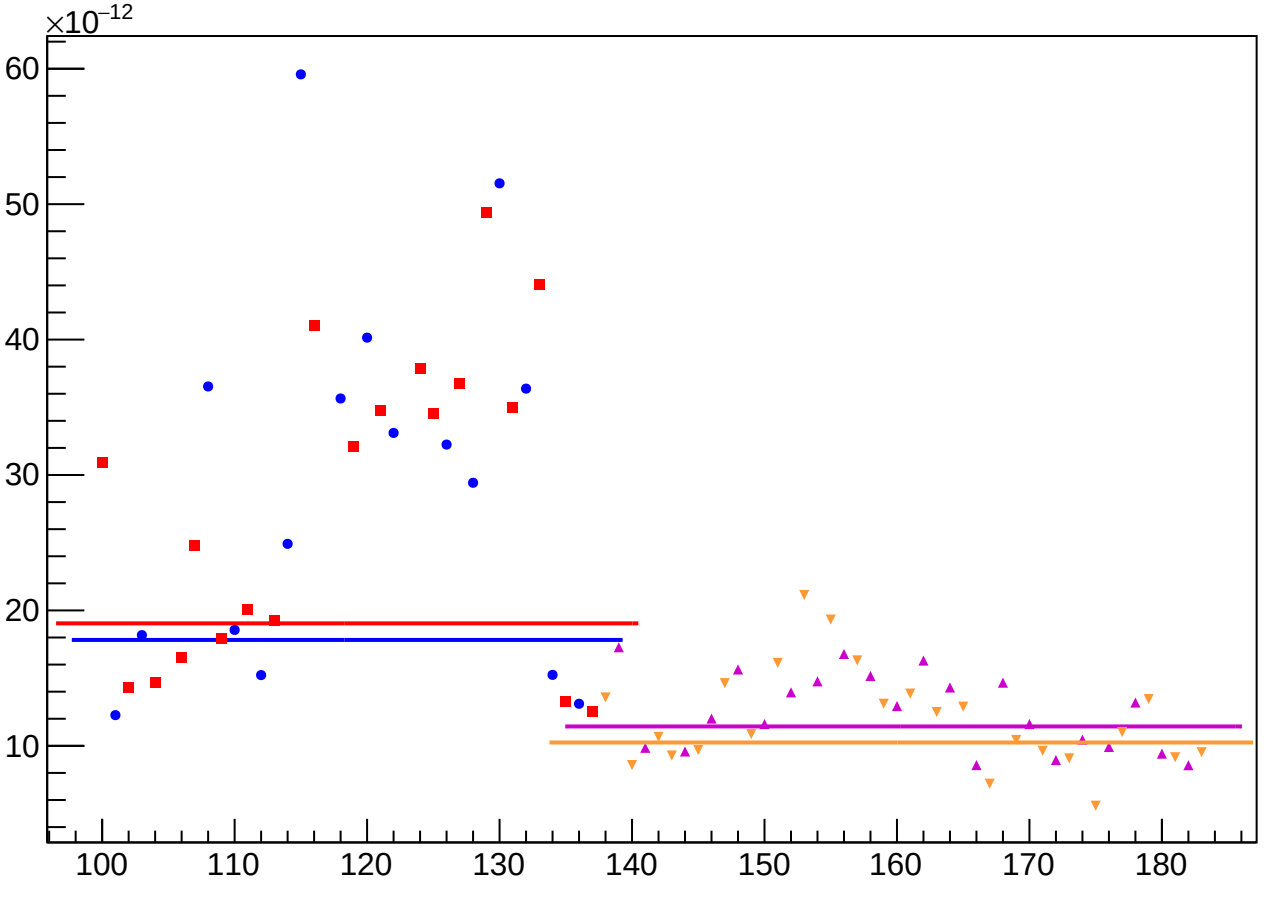
In: 33.859+/-0.005 χ^2/NDF:8557190.2/37

Out: 34.681+/-0.005 χ^2/NDF:8773485.9/42

All: 34.273+/-0.004 χ^2/NDF: 17342222.2/80


asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 18.7/15
Left Out: 0.000+/-0.000 χ²/NDF:23.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 23.5/18
Left In: 0.000+/-0.000 χ²/NDF:22.9/21
Left: 0.000+/-0.000 χ²/NDF: 47.2/45
Right: 0.000+/-0.000 χ²/NDF: 42.2/34
In: 0.000+/-0.000 χ²/NDF:41.8/37
Out: 0.000+/-0.000 χ²/NDF:47.0/42
All: 0.000+/-0.000 χ²/NDF: 89.5/80

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:2243464.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1256760.2/21

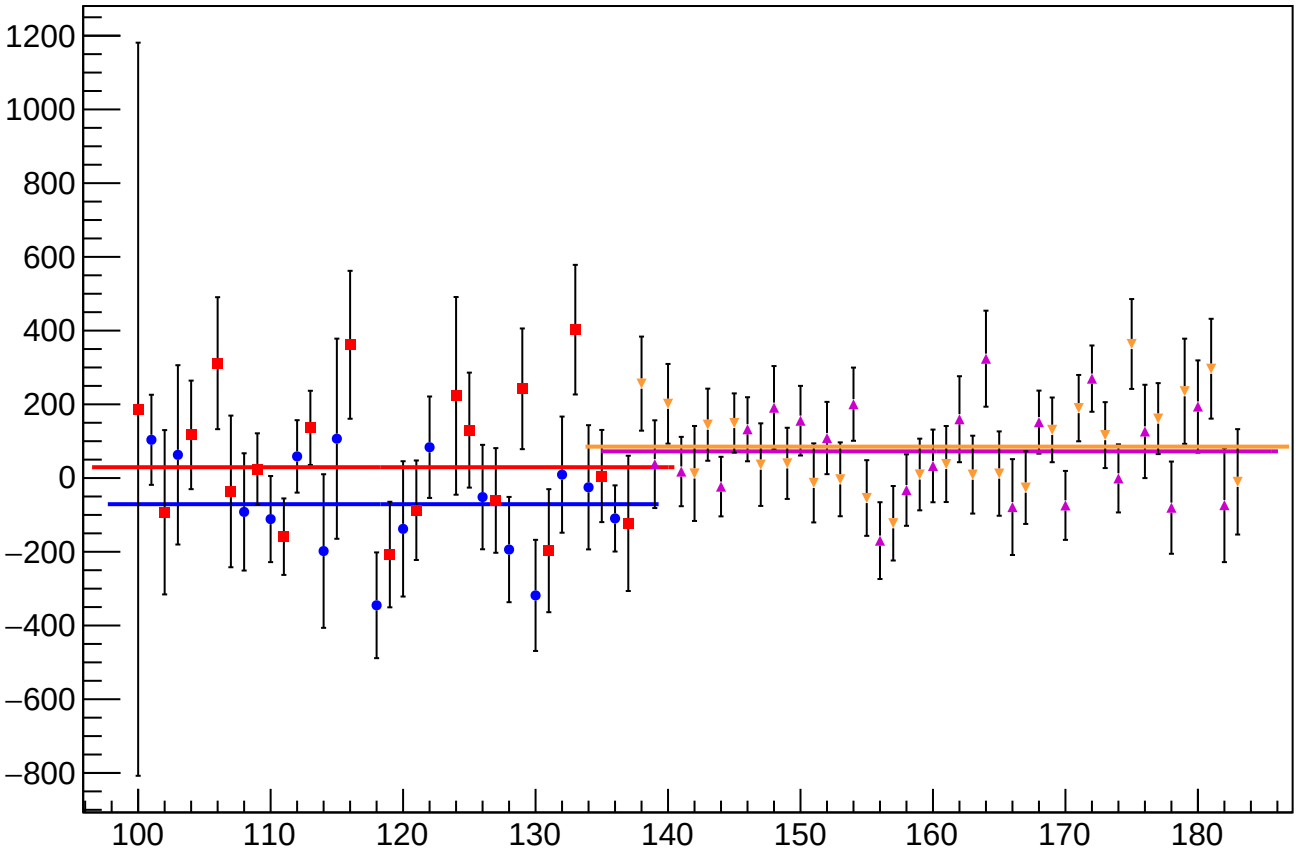
Left: 0.000+/-0.000 χ^2/NDF: 3648073.1/45

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:5545860.5/42

All: 0.000+/-0.000 χ^2/NDF: 9779359.1/80



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 85.275+/-21.282 χ^2/NDF:27.0/23

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 72.419+/-21.915 χ^2/NDF:30.6/21

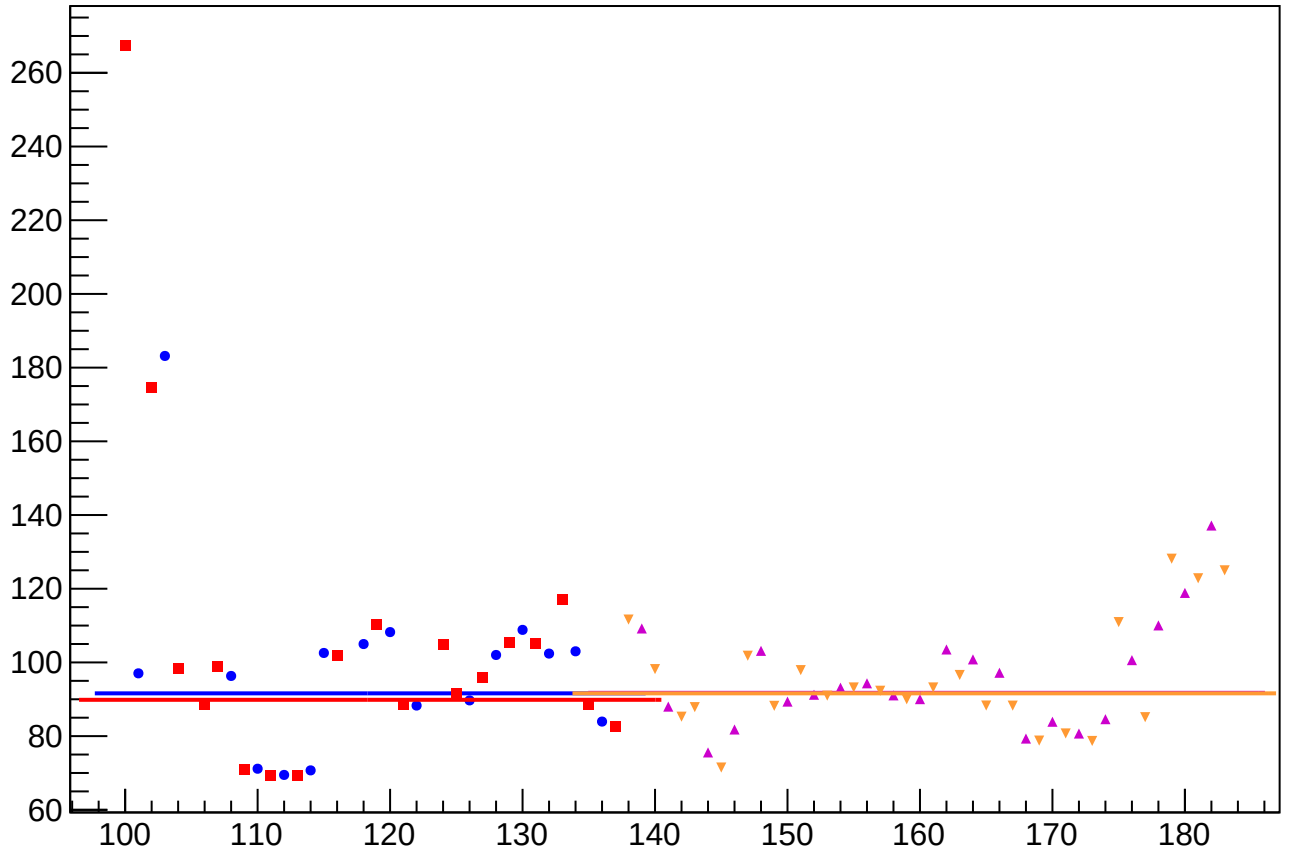
Left: 79.035+/-15.267 χ^2/NDF: 57.8/45

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 32.259+/-18.593 χ^2/NDF:56.7/37

Out: 69.709+/-18.075 χ^2/NDF:52.9/42

All: 51.512+/-12.960 χ^2/NDF: 111.6/80



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 91.608+/-0.015 χ^2/NDF:745606.6/23

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 91.749+/-0.015 χ^2/NDF:627433.9/21

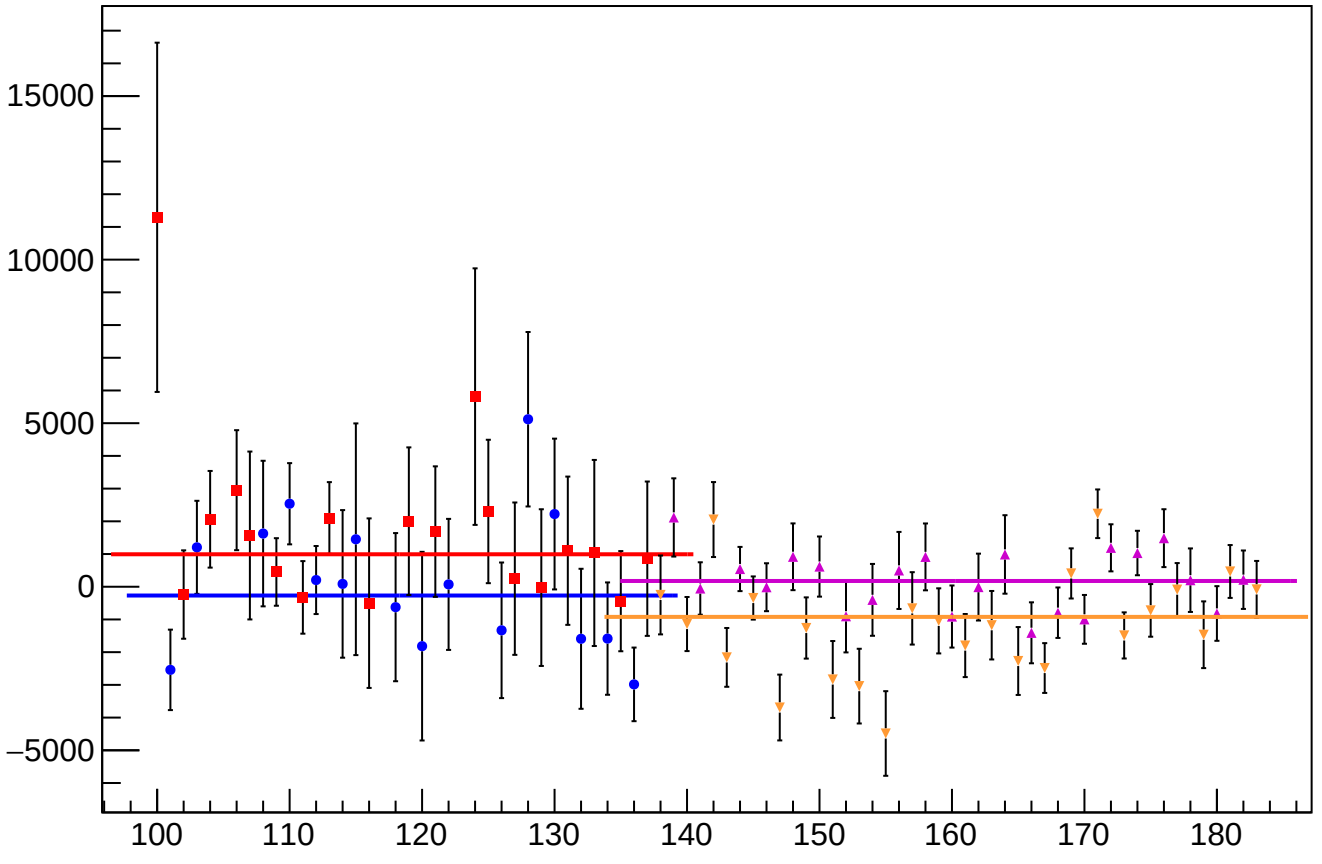
Left: 91.676+/-0.011 χ^2/NDF: 1373083.4/45

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 91.710+/-0.013 χ^2/NDF:1208129.9/37

Out: 91.119+/-0.013 χ^2/NDF:1495678.0/42

All: 91.406+/-0.009 χ^2/NDF: 2704844.8/80



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -921.577+/-184.018 χ^2/NDF:65.0/23

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: -384.469+/-131.508 χ^2/NDF: 103.9/45

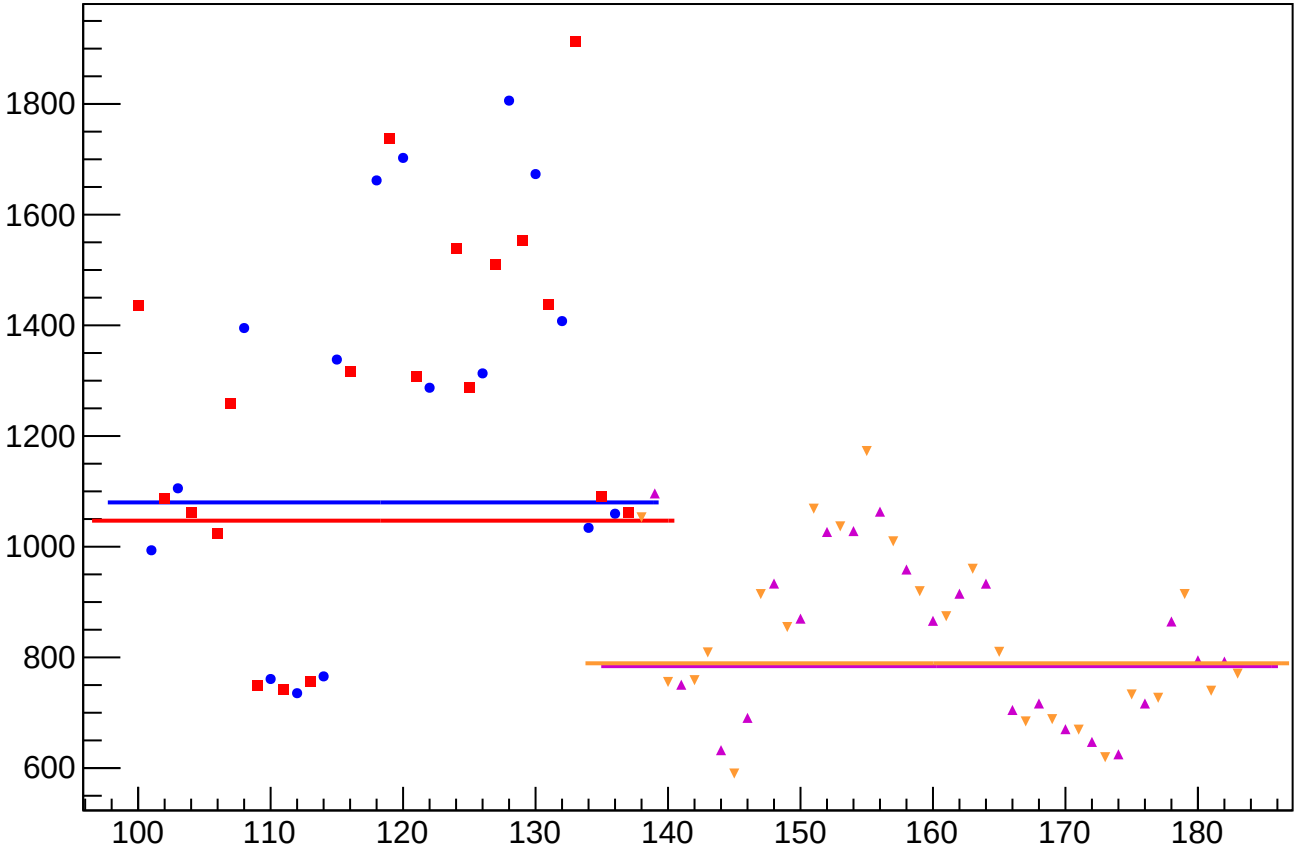
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 101.815+/-171.569 χ^2/NDF:46.0/37

Out: -588.342+/-167.236 χ^2/NDF:96.5/42

All: -252.088+/-119.756 χ^2/NDF: 150.7/80

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: 789.343+/-0.130 χ^2/NDF:1190965.5/23

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 784.206+/-0.133 χ^2/NDF:1062279.1/21

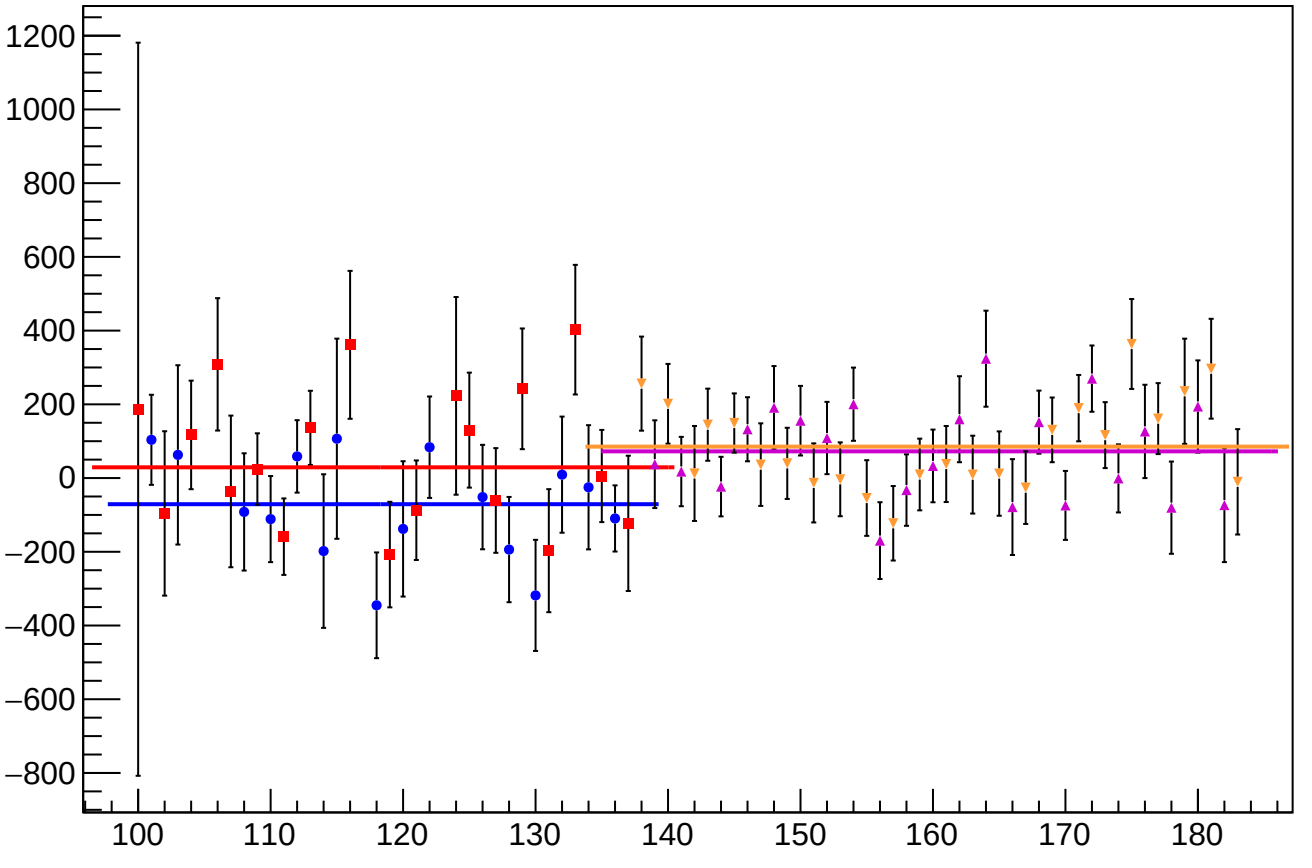
Left: 786.829+/-0.093 χ^2/NDF: 2254007.2/45

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 833.672+/-0.121 χ^2/NDF:2943793.9/37

Out: 834.208+/-0.118 χ^2/NDF:3072534.5/42

All: 833.947+/-0.085 χ^2/NDF: 6016338.4/80



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 85.281+/-21.282 χ^2/NDF:27.0/23

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 72.421+/-21.915 χ^2/NDF:30.6/21

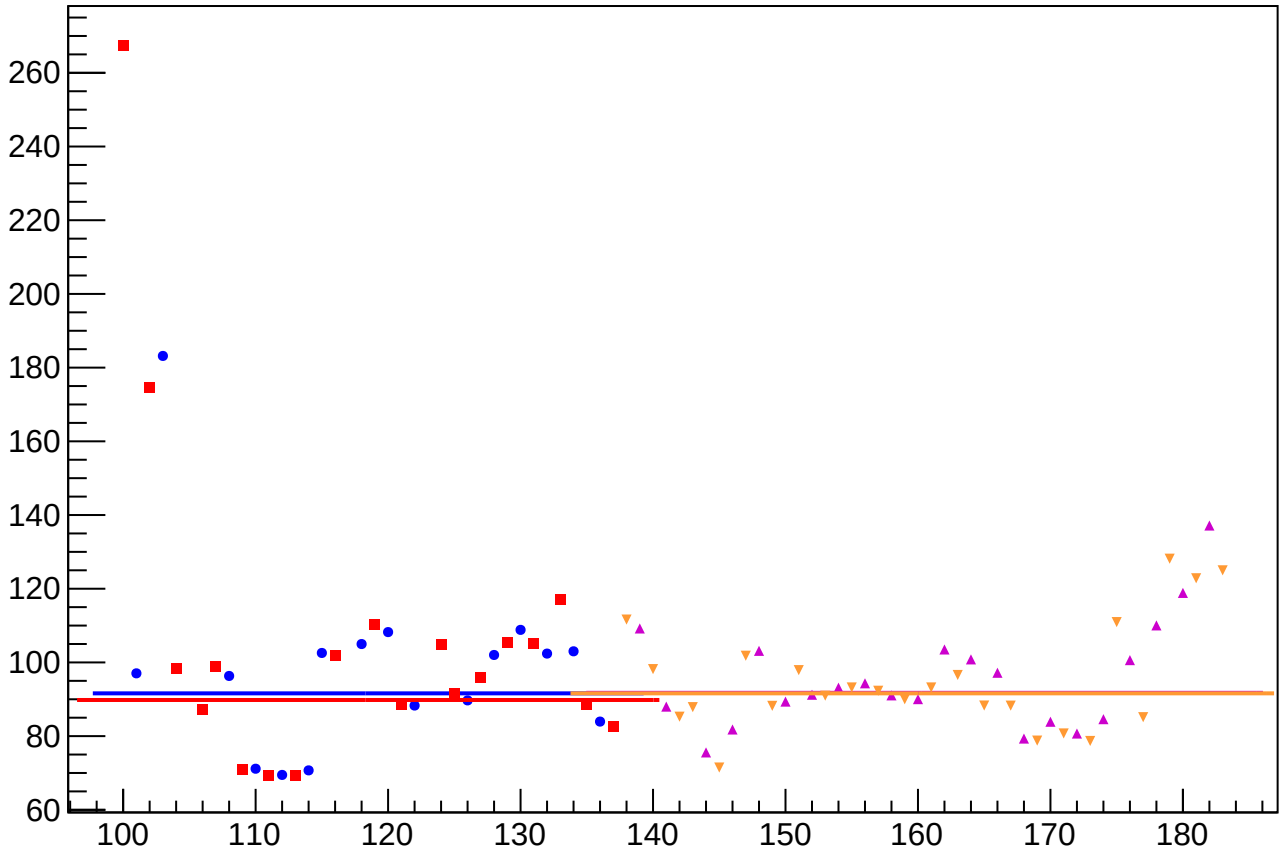
Left: 79.039+/-15.267 χ^2/NDF: 57.8/45

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 32.257+/-18.593 χ^2/NDF:56.7/37

Out: 69.647+/-18.076 χ^2/NDF:52.9/42

All: 51.478+/-12.960 χ^2/NDF: 111.6/80



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.608+/-0.015 χ^2/NDF:745606.7/23

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.749+/-0.015 χ^2/NDF:627433.9/21

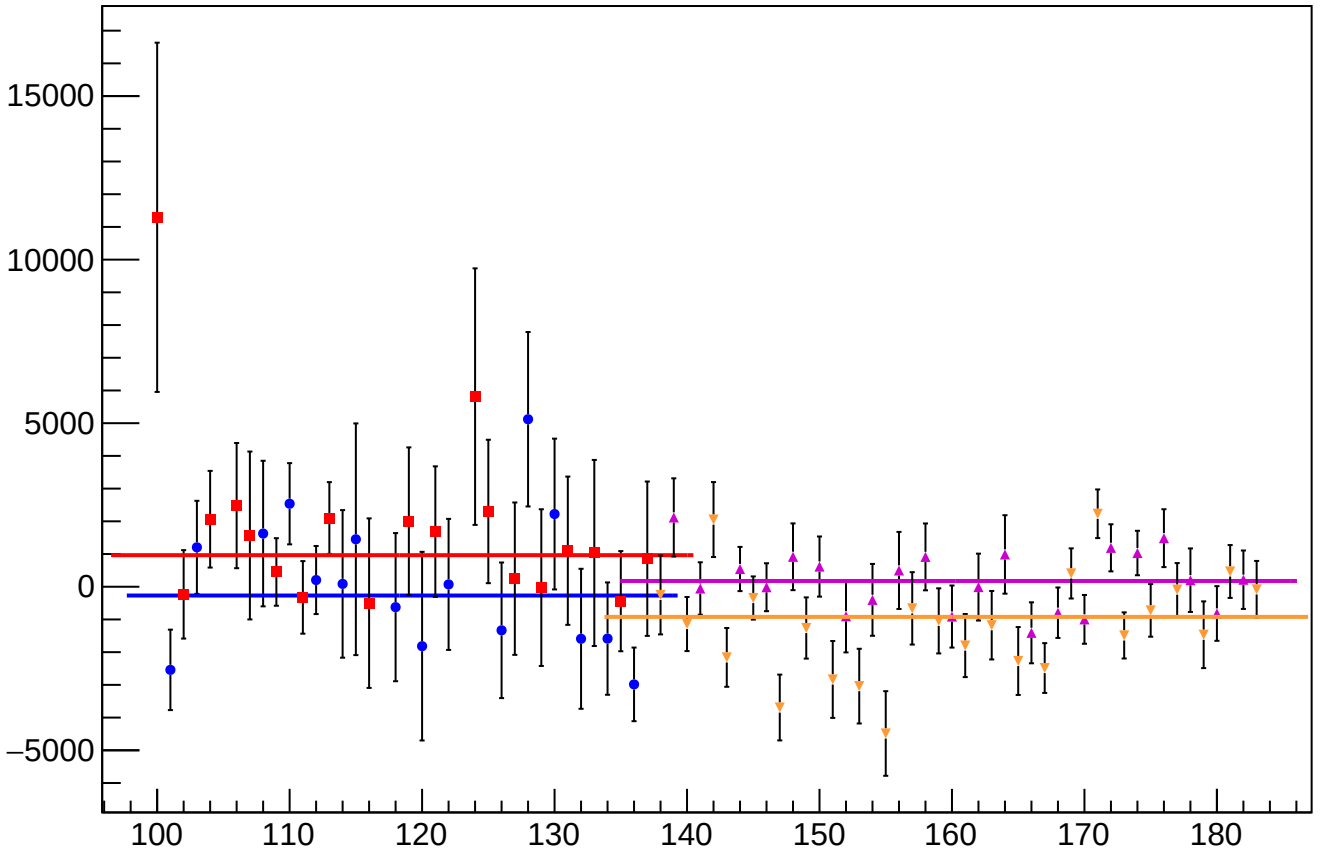
Left: 91.676+/-0.011 χ^2/NDF: 1373083.5/45

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.710+/-0.013 χ^2/NDF:1208133.1/37

Out: 91.106+/-0.013 χ^2/NDF:1496429.2/42

All: 91.399+/-0.009 χ^2/NDF: 2705645.7/80



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -921.570+/-184.018 χ^2/NDF:65.0/23

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 176.166+/-188.005 χ^2/NDF:21.6/21

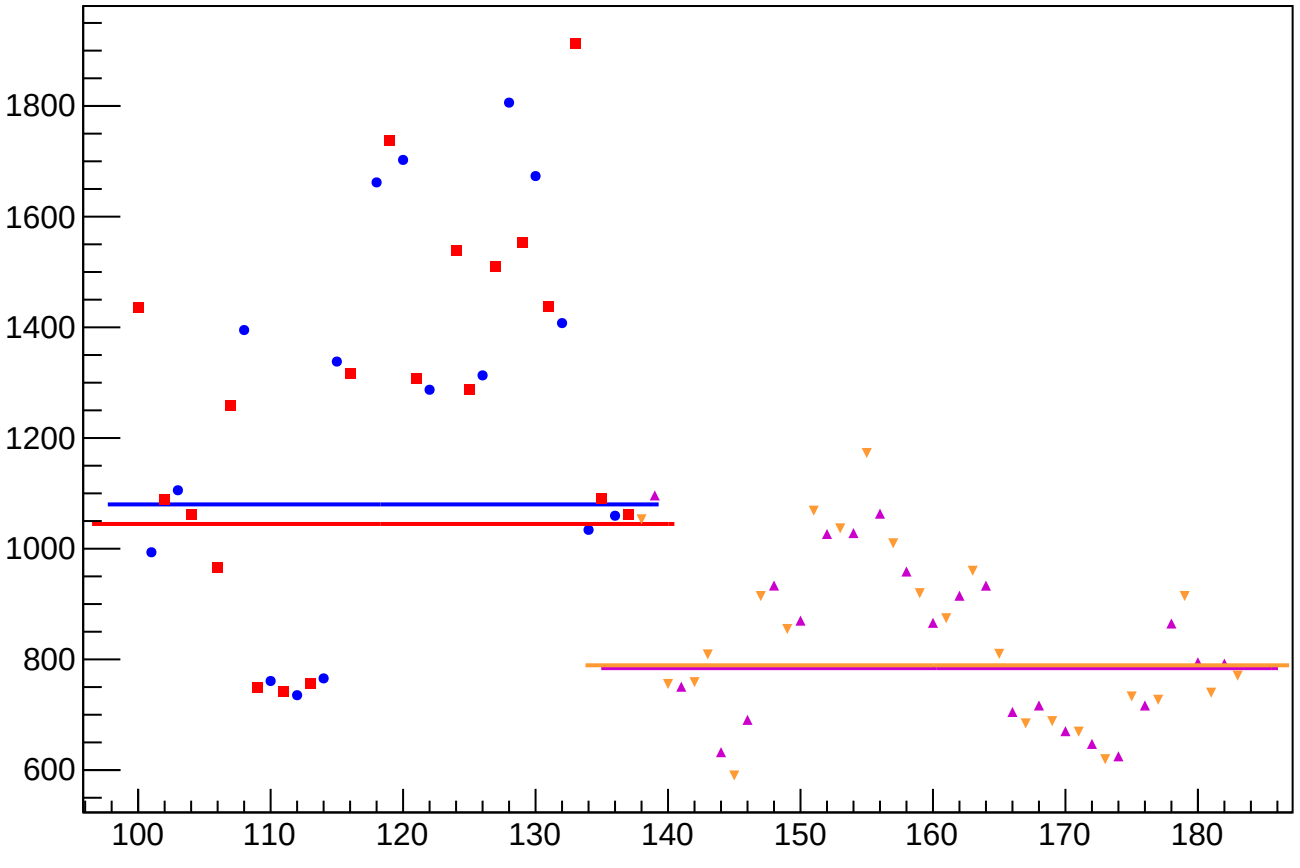
Left: -384.464+/-131.508 χ^2/NDF: 103.9/45

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 101.816+/-171.569 χ^2/NDF:46.0/37

Out: -594.248+/-167.295 χ^2/NDF:95.3/42

All: -254.995+/-119.778 χ^2/NDF: 149.7/80



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 789.343+/-0.130 χ^2/NDF:1190967.0/23

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 784.206+/-0.133 χ^2/NDF:1062279.0/21

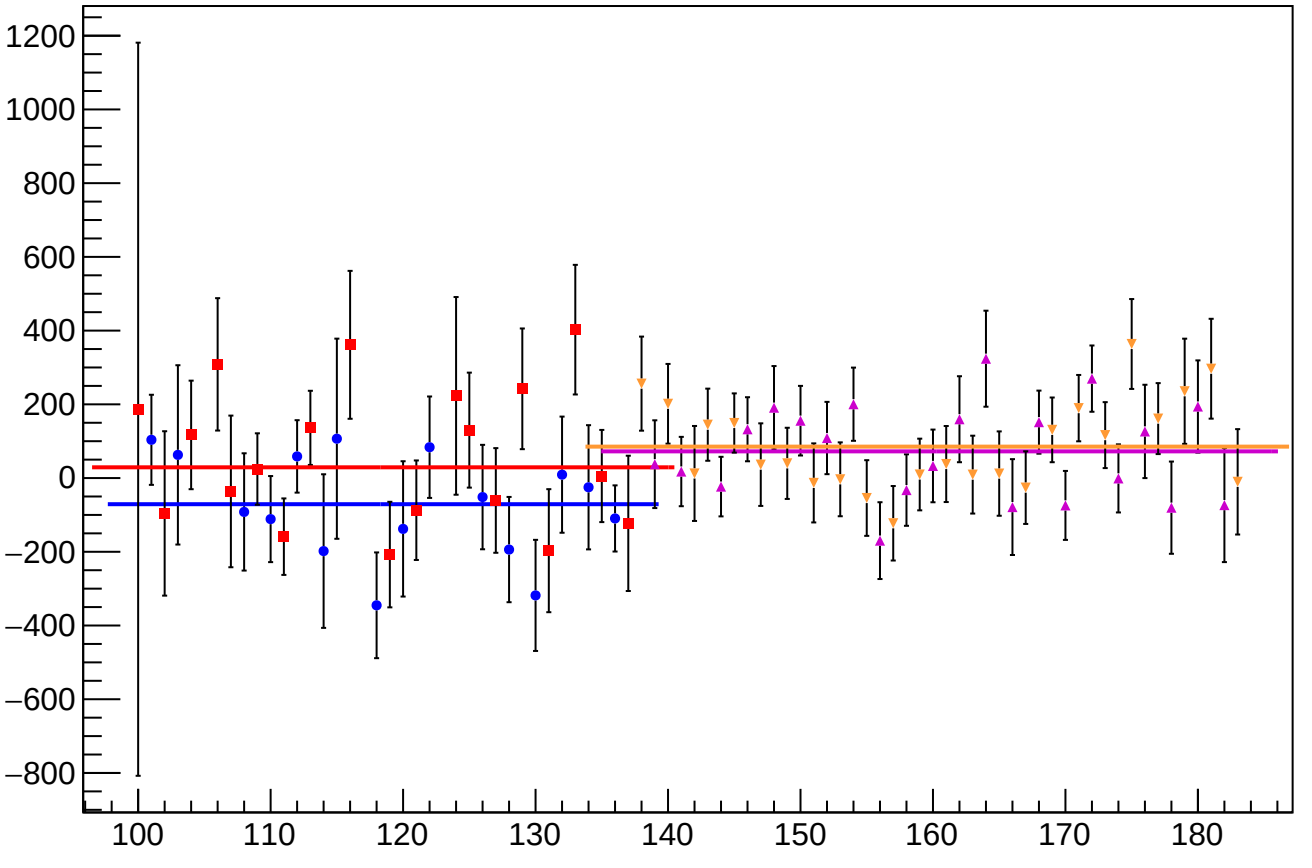
Left: 786.829+/-0.093 χ^2/NDF: 2254008.5/45

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 833.673+/-0.121 χ^2/NDF:2943836.0/37

Out: 833.651+/-0.118 χ^2/NDF:3061085.0/42

All: 833.661+/-0.085 χ^2/NDF: 6004921.0/80



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 85.281+/-21.282 χ^2/NDF:27.0/23

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 72.421+/-21.915 χ^2/NDF:30.6/21

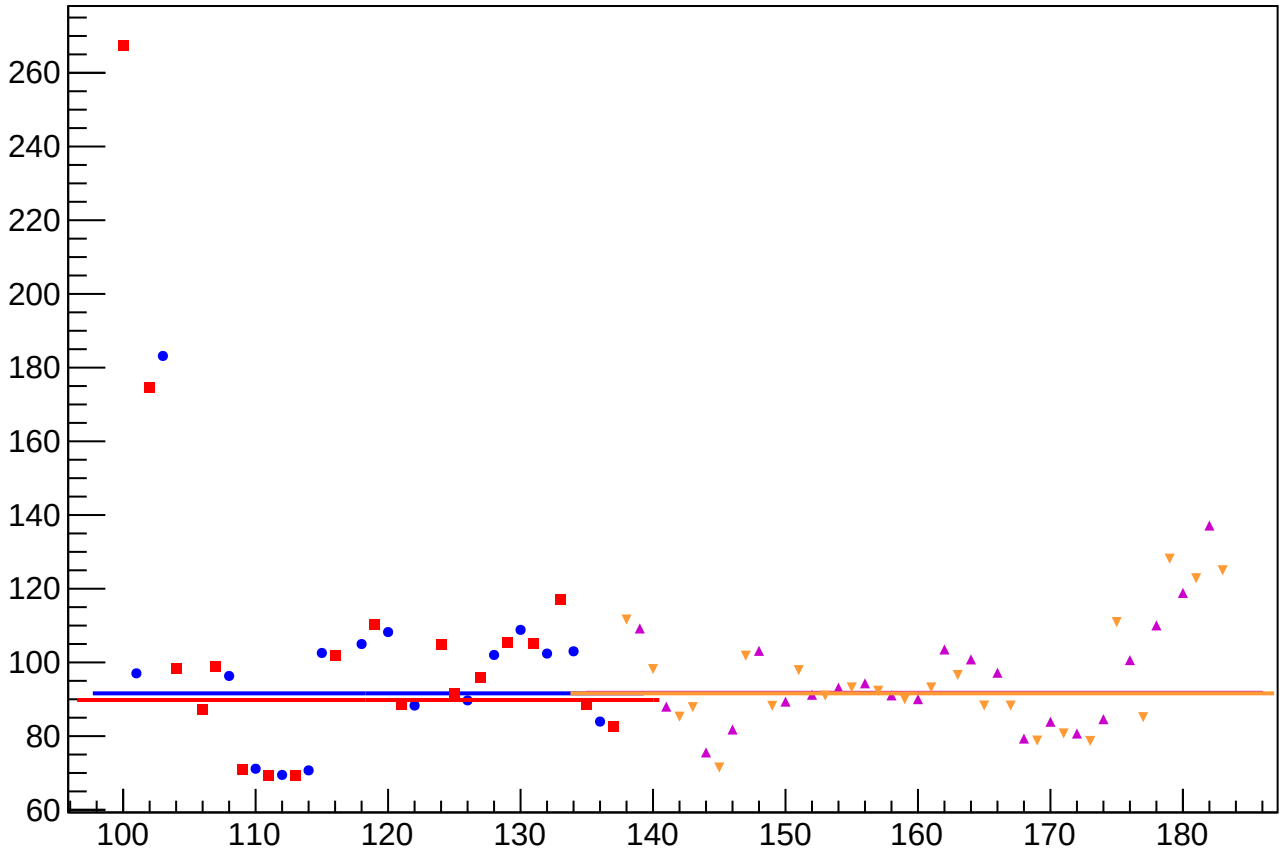
Left: 79.039+/-15.267 χ^2/NDF: 57.8/45

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 32.257+/-18.593 χ^2/NDF:56.7/37

Out: 69.647+/-18.076 χ^2/NDF:52.9/42

All: 51.478+/-12.960 χ^2/NDF: 111.6/80



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.608+/-0.015 χ^2/NDF:745606.7/23

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: 91.676+/-0.011 χ^2/NDF: 1373083.5/45

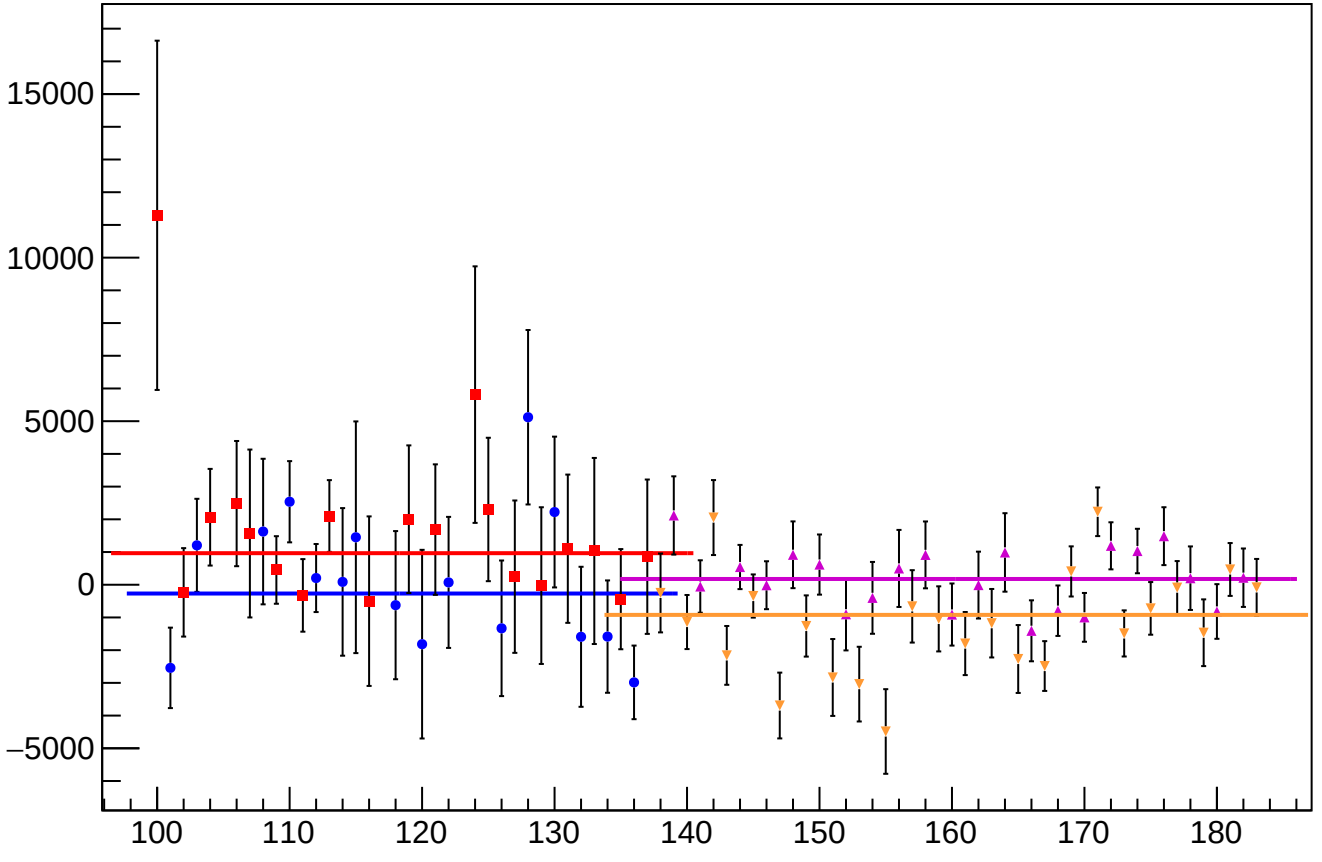
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.710+/-0.013 χ^2/NDF:1208133.1/37

Out: 91.106+/-0.013 χ^2/NDF:1496429.2/42

All: 91.399+/-0.009 χ^2/NDF: 2705645.7/80

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: -921.570+/-184.018 χ^2/NDF:65.0/23

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: -384.464+/-131.508 χ^2/NDF: 103.9/45

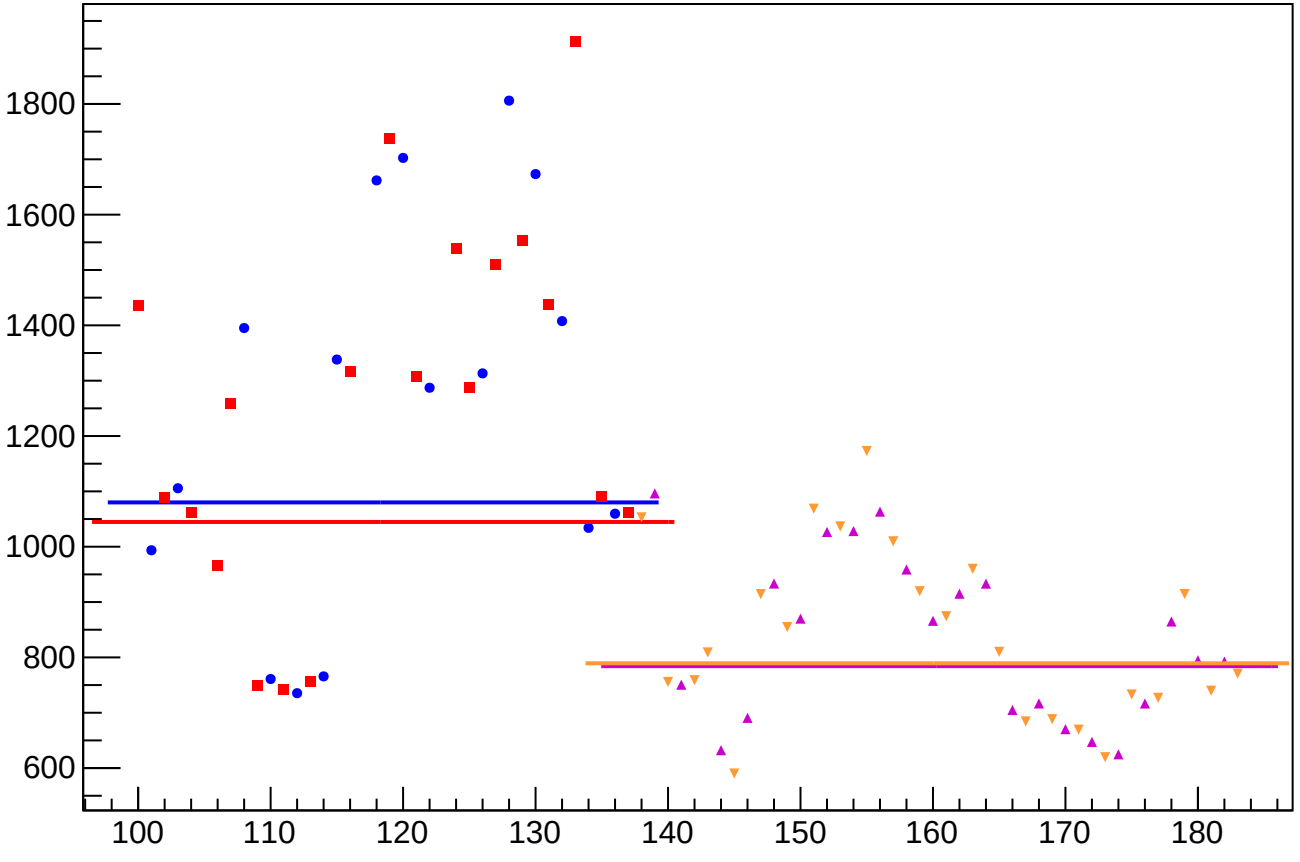
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 101.816+/-171.569 χ^2/NDF:46.0/37

Out: -594.248+/-167.295 χ^2/NDF:95.3/42

All: -254.995+/-119.778 χ^2/NDF: 149.7/80

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 789.343+/-0.130 χ^2/NDF:1190967.0/23

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 784.206+/-0.133 χ^2/NDF:1062279.0/21

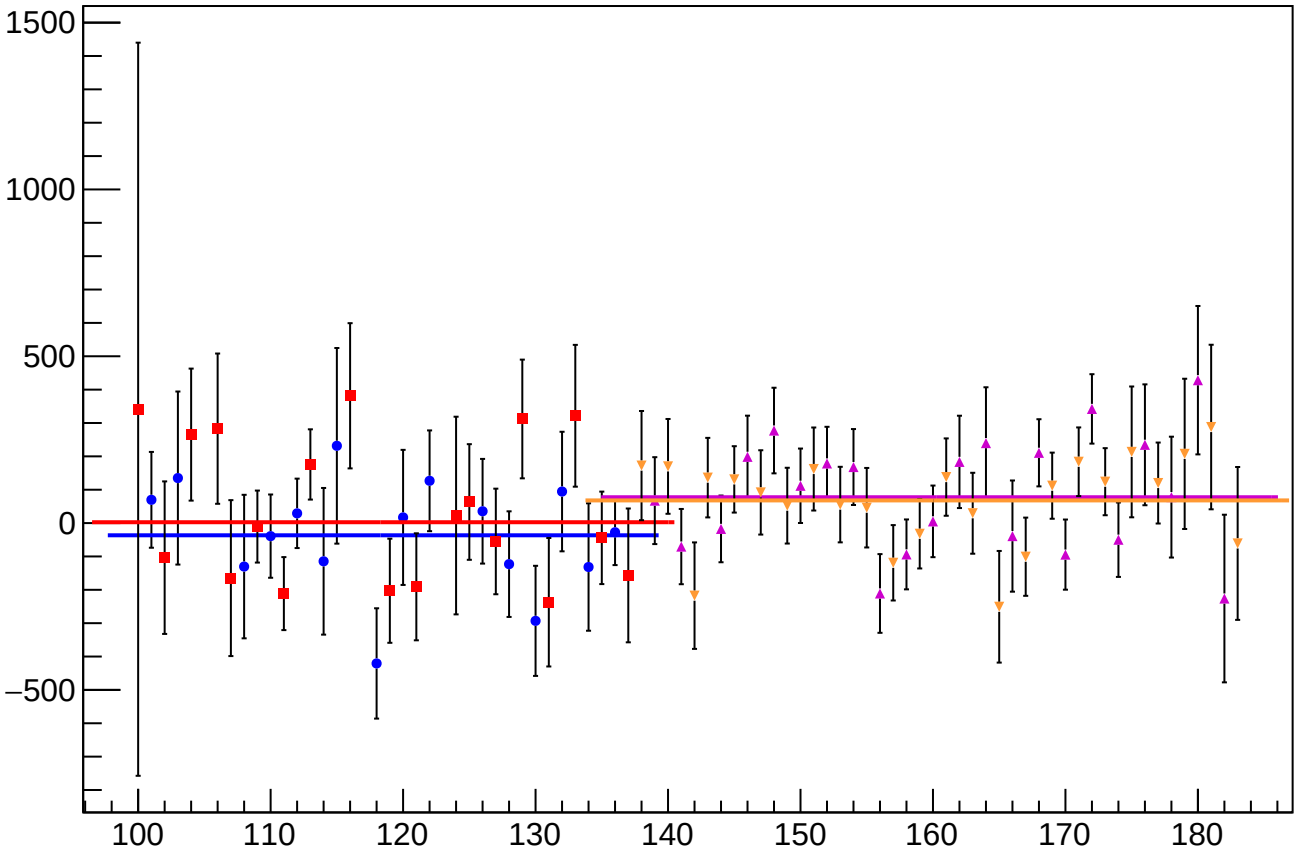
Left: 786.829+/-0.093 χ^2/NDF: 2254008.5/45

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 833.673+/-0.121 χ^2/NDF:2943836.0/37

Out: 833.651+/-0.118 χ^2/NDF:3061085.0/42

All: 833.661+/-0.085 χ^2/NDF: 6004921.0/80



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 67.949+/-25.676 χ^2/NDF:19.4/23

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: 72.564+/-18.399 χ^2/NDF: 55.1/45

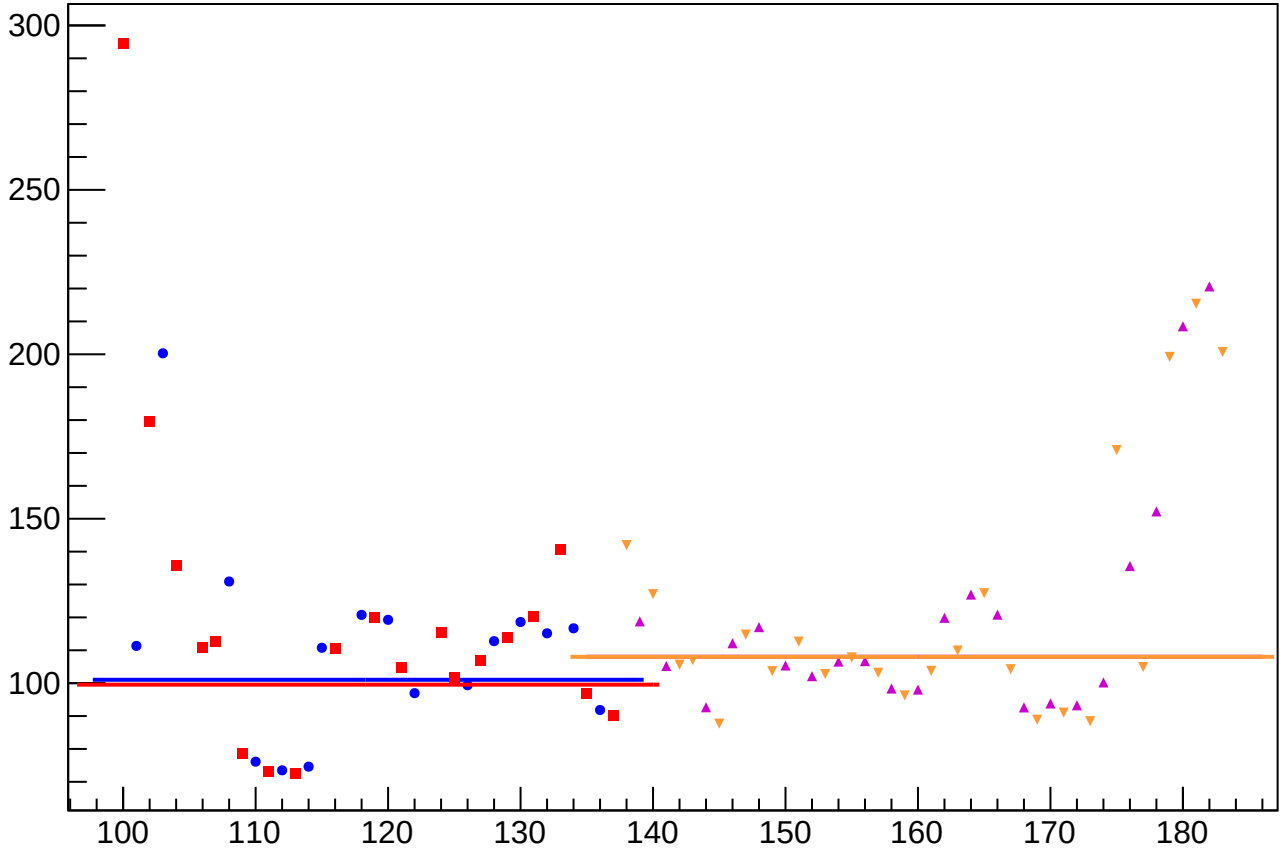
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 41.635+/-21.847 χ^2/NDF:54.4/37

Out: 47.577+/-21.304 χ^2/NDF:46.1/42

All: 44.681+/-15.253 χ^2/NDF: 100.5/80

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 108.003+/-0.018 χ^2/NDF:1729464.9/23

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 108.032+/-0.019 χ^2/NDF:1276902.5/21

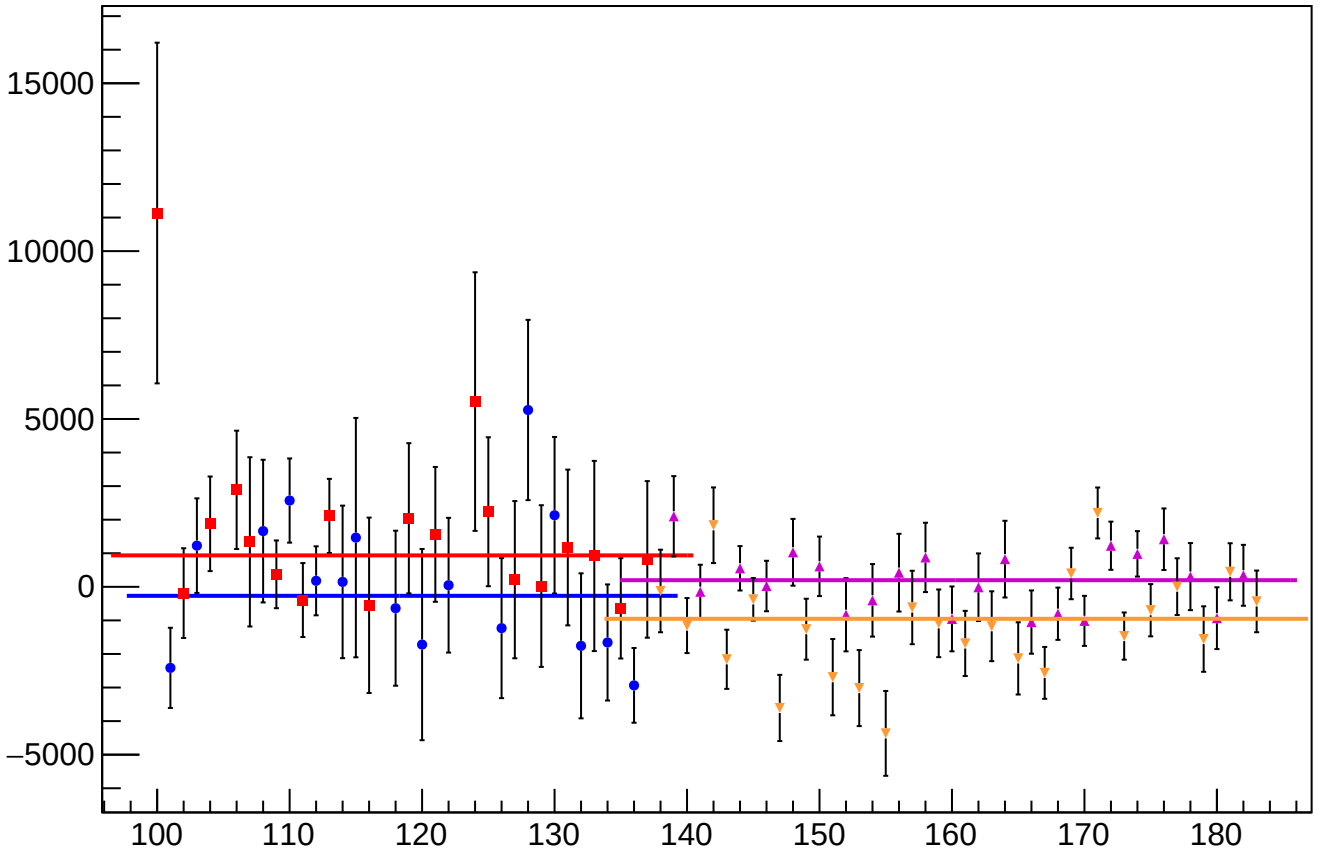
Left: 108.017+/-0.013 χ^2/NDF: 3006368.7/45

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 105.834+/-0.015 χ^2/NDF:2037234.3/37

Out: 105.368+/-0.015 χ^2/NDF:2677547.2/42

All: 105.595+/-0.011 χ^2/NDF: 4715248.1/80



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -952.450+/-183.748 χ^2/NDF:61.7/23

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: -392.683+/-131.650 χ^2/NDF: 100.9/45

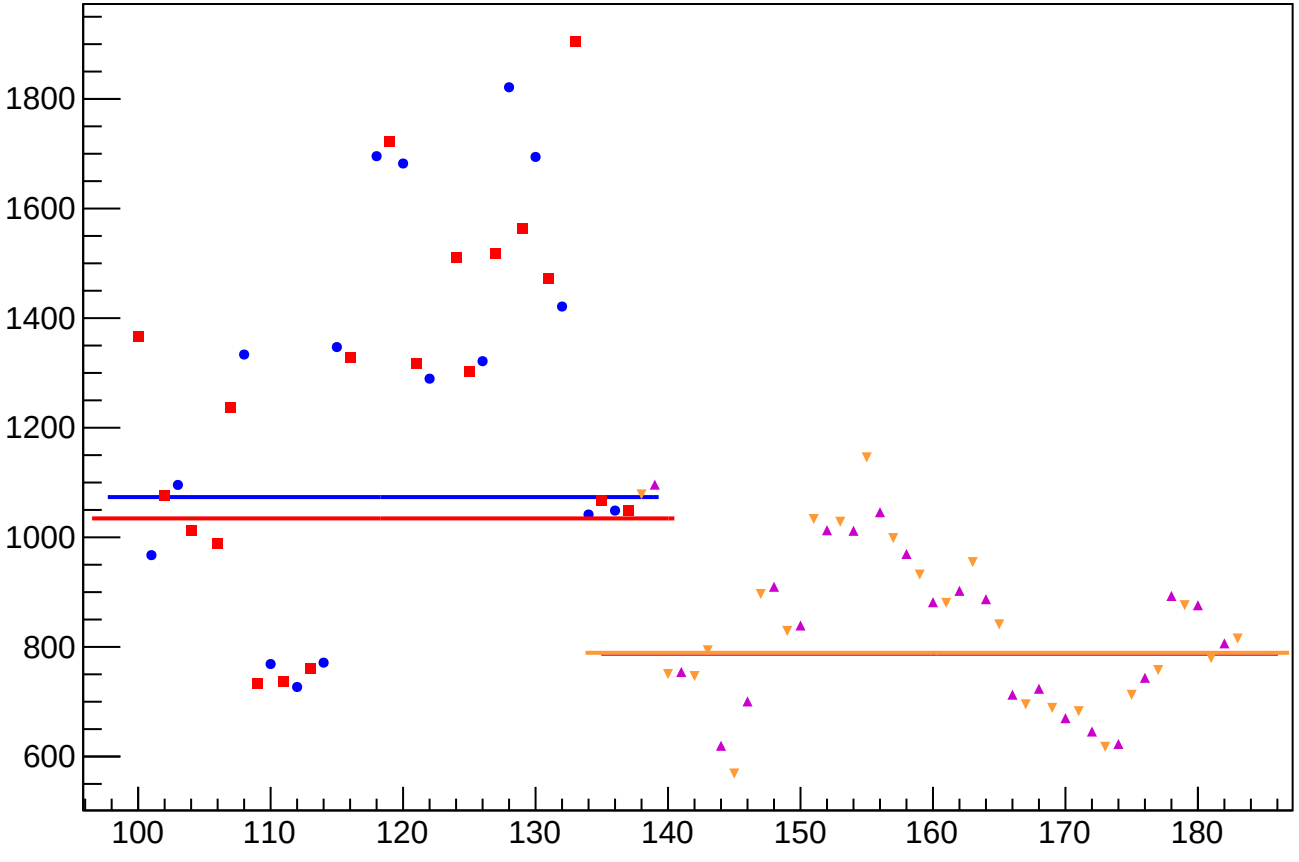
Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 118.617+/-171.932 χ^2/NDF:44.7/37

Out: -618.086+/-166.696 χ^2/NDF:93.5/42

All: -261.123+/-119.680 χ^2/NDF: 147.7/80

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: 789.293+/-0.130 χ^2/NDF:1176790.9/23

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 787.419+/-0.133 χ^2/NDF:1041388.1/21

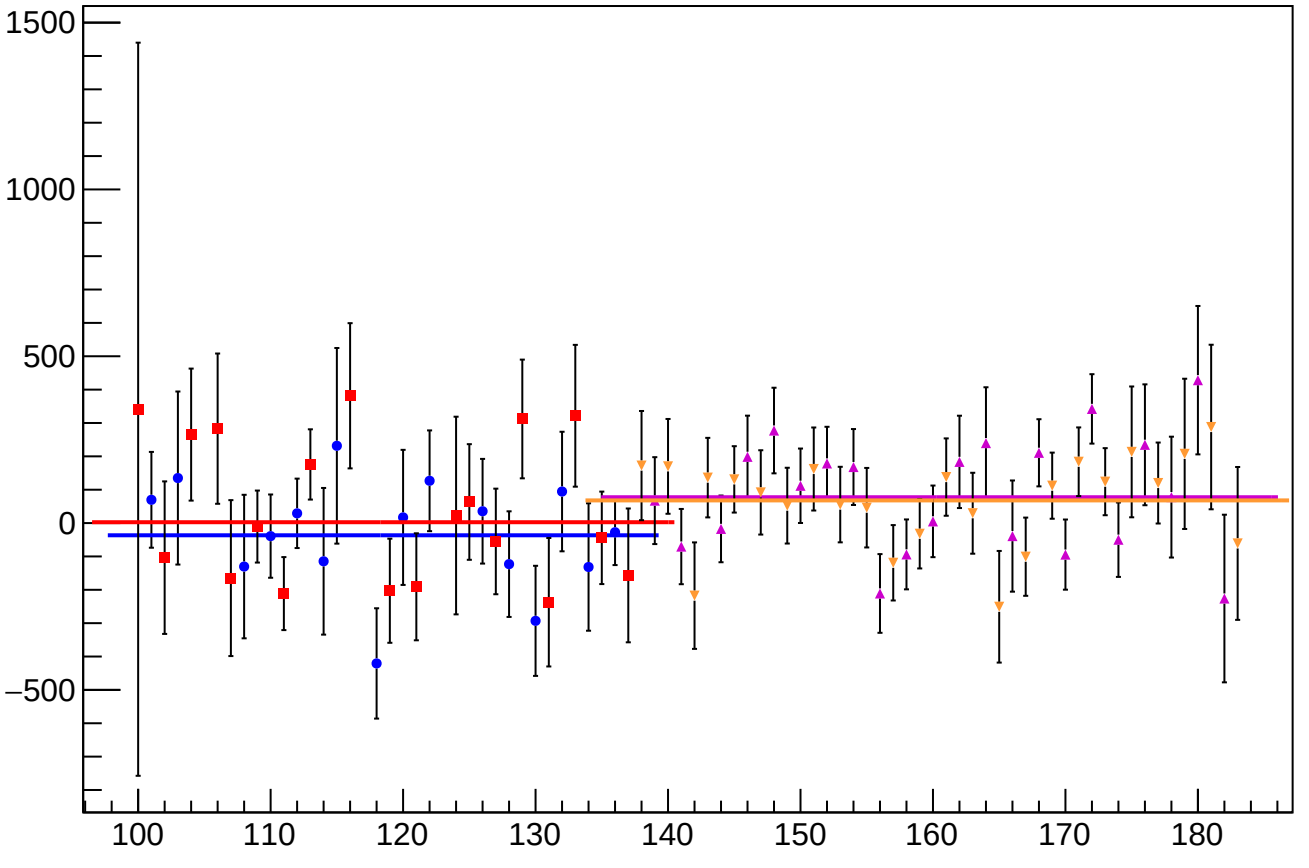
Left: 788.381+/-0.093 χ^2/NDF: 2218280.3/45

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 836.030+/-0.122 χ^2/NDF:2899314.6/37

Out: 832.698+/-0.118 χ^2/NDF:3036684.8/42

All: 834.313+/-0.085 χ^2/NDF: 5936386.5/80



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 67.950+/-25.676 χ^2/NDF:19.4/23

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 77.435+/-26.377 χ^2/NDF:35.6/21

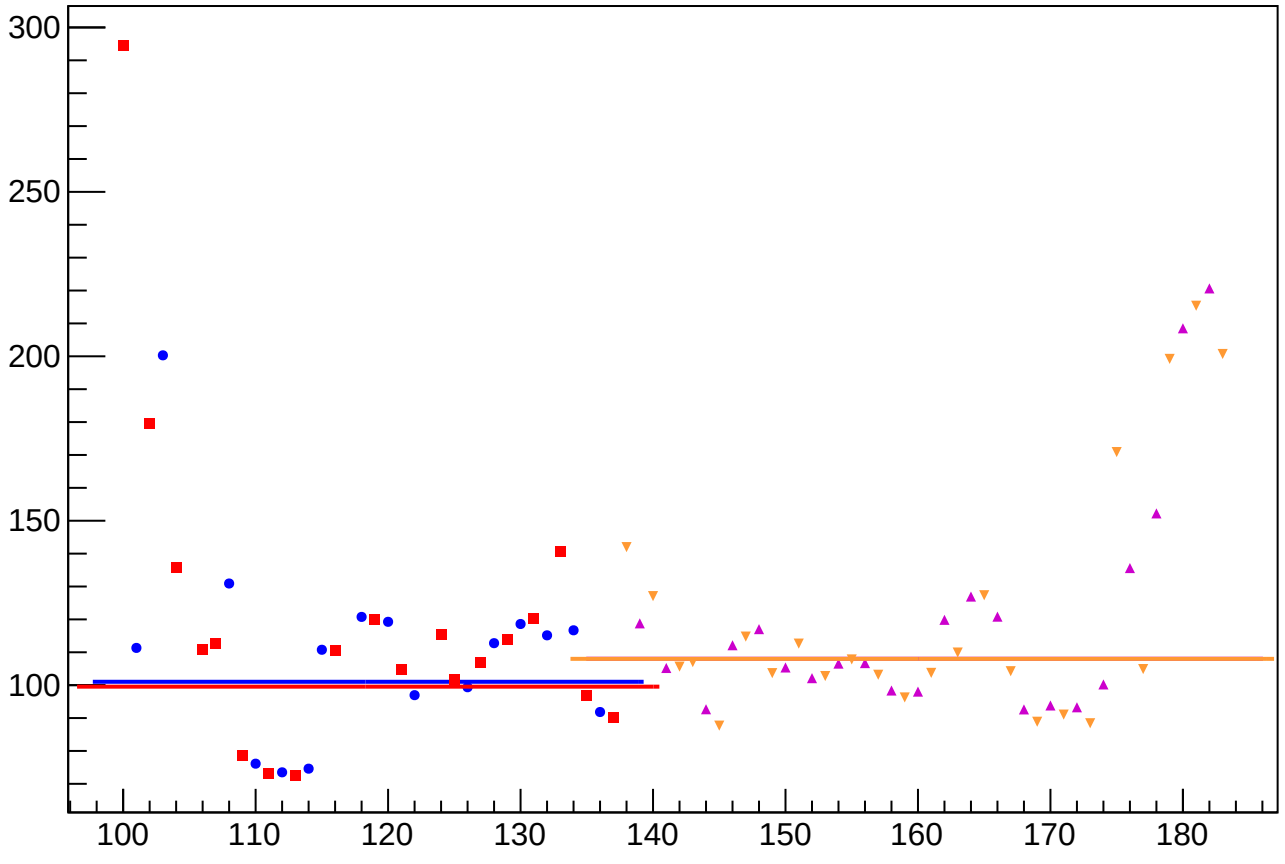
Left: 72.565+/-18.399 χ^2/NDF: 55.1/45

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 41.635+/-21.847 χ^2/NDF:54.4/37

Out: 47.577+/-21.304 χ^2/NDF:46.1/42

All: 44.681+/-15.253 χ^2/NDF: 100.5/80



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 108.003+/-0.018 χ^2/NDF:1729461.9/23

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 108.032+/-0.019 χ^2/NDF:1276883.2/21

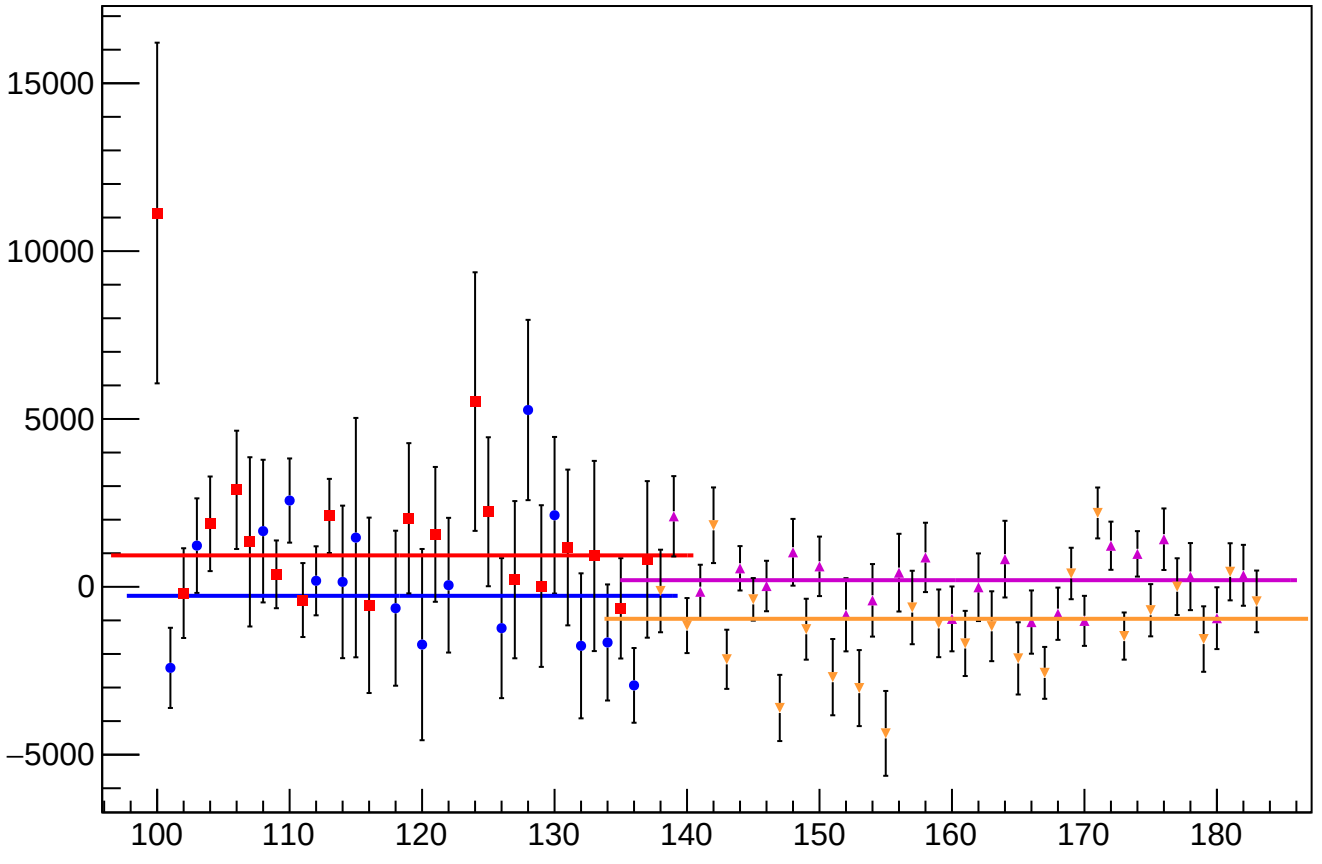
Left: 108.017+/-0.013 χ^2/NDF: 3006346.4/45

Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 105.834+/-0.015 χ^2/NDF:2037215.7/37

Out: 105.368+/-0.015 χ^2/NDF:2677548.9/42

All: 105.595+/-0.011 χ^2/NDF: 4715231.2/80



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -952.448+/-183.747 χ^2/NDF:61.7/23

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: -392.683+/-131.650 χ^2/NDF: 100.9/45

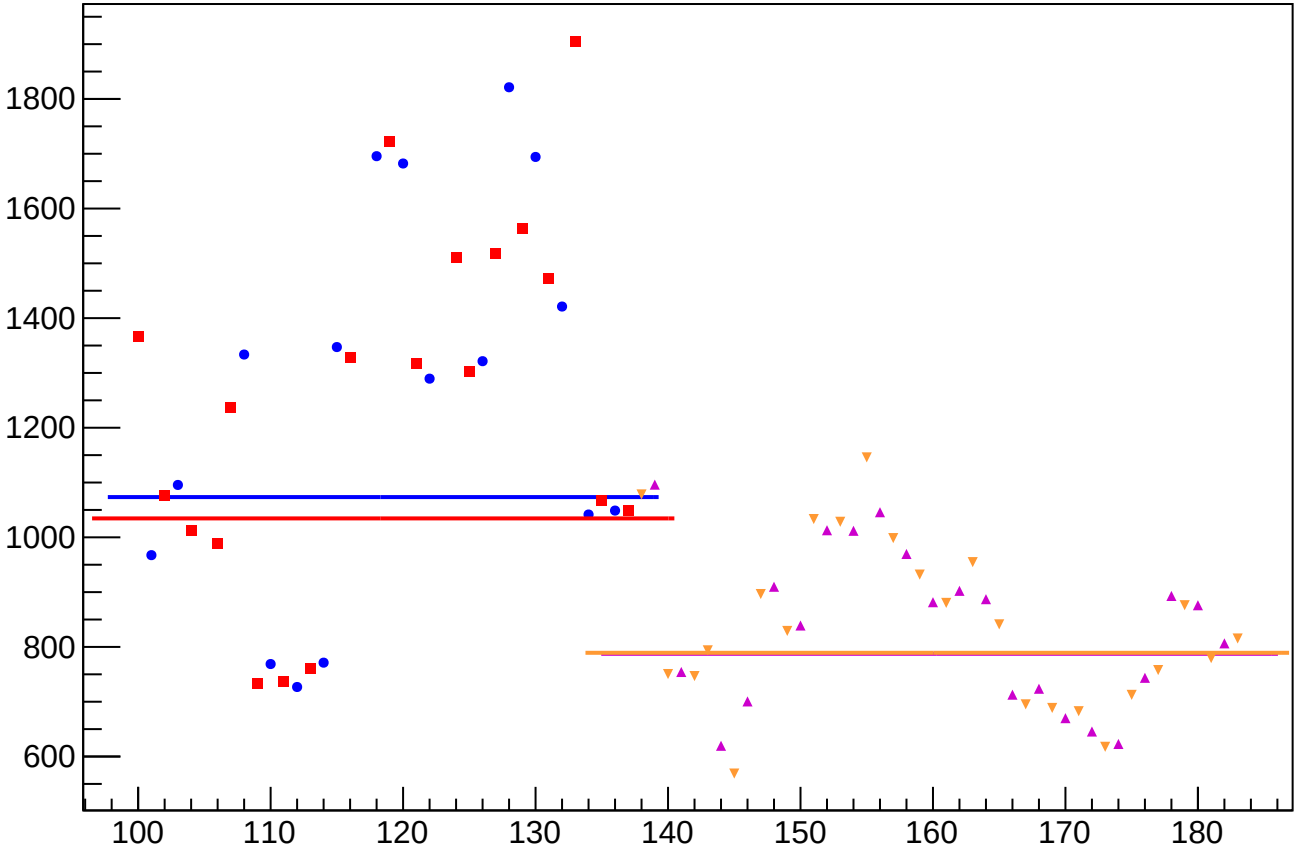
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 118.616+/-171.932 χ^2/NDF:44.7/37

Out: -618.085+/-166.696 χ^2/NDF:93.5/42

All: -261.123+/-119.680 χ^2/NDF: 147.7/80

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: 789.292+/-0.130 χ^2/NDF:1176793.7/23

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: 788.380+/-0.093 χ^2/NDF: 2218283.3/45

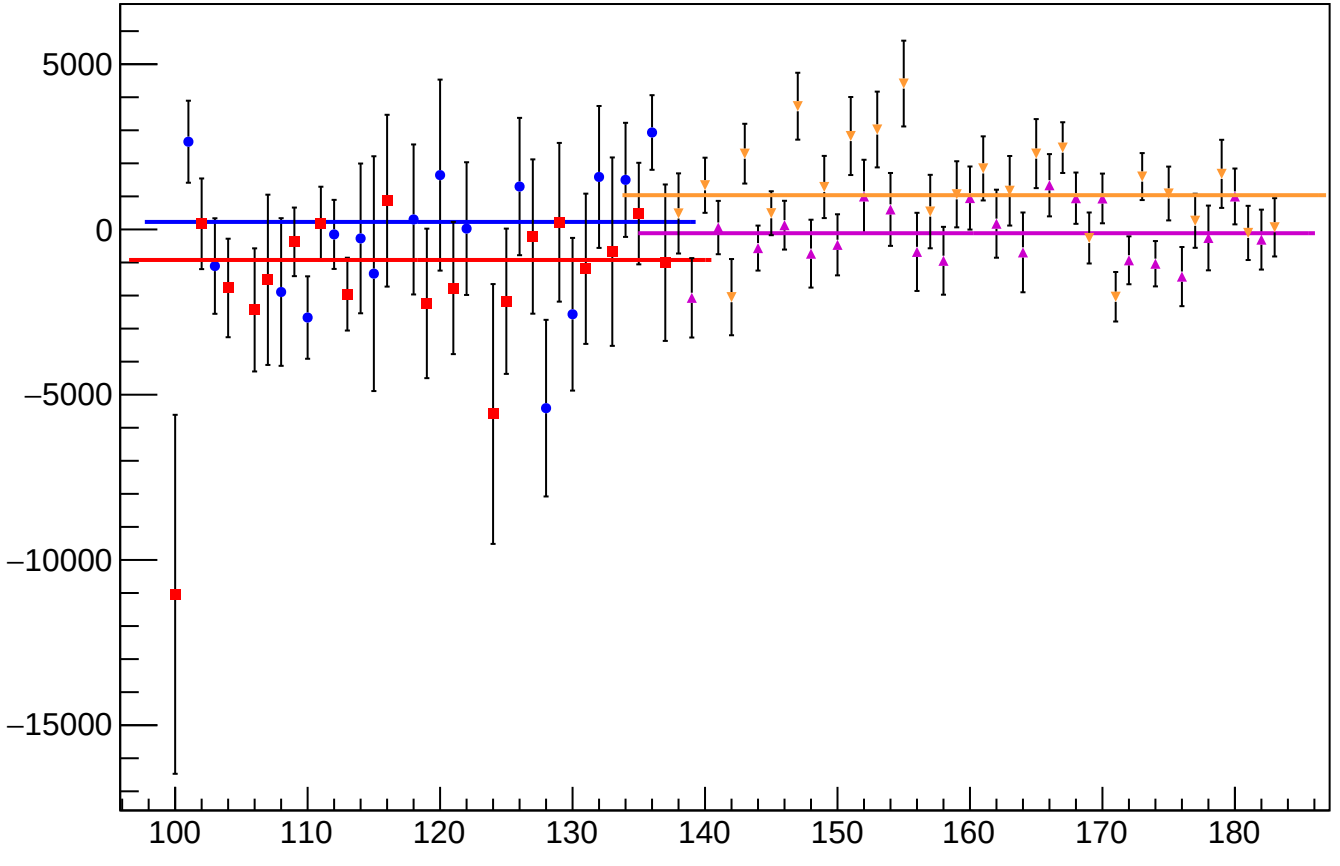
Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 836.029+/-0.122 χ^2/NDF:2899320.0/37

Out: 832.697+/-0.118 χ^2/NDF:3036690.7/42

All: 834.311+/-0.085 χ^2/NDF: 5936397.8/80

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1036.560+/-185.445 χ^2/NDF:59.9/23

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: 473.638+/-132.526 χ^2/NDF: 99.6/45

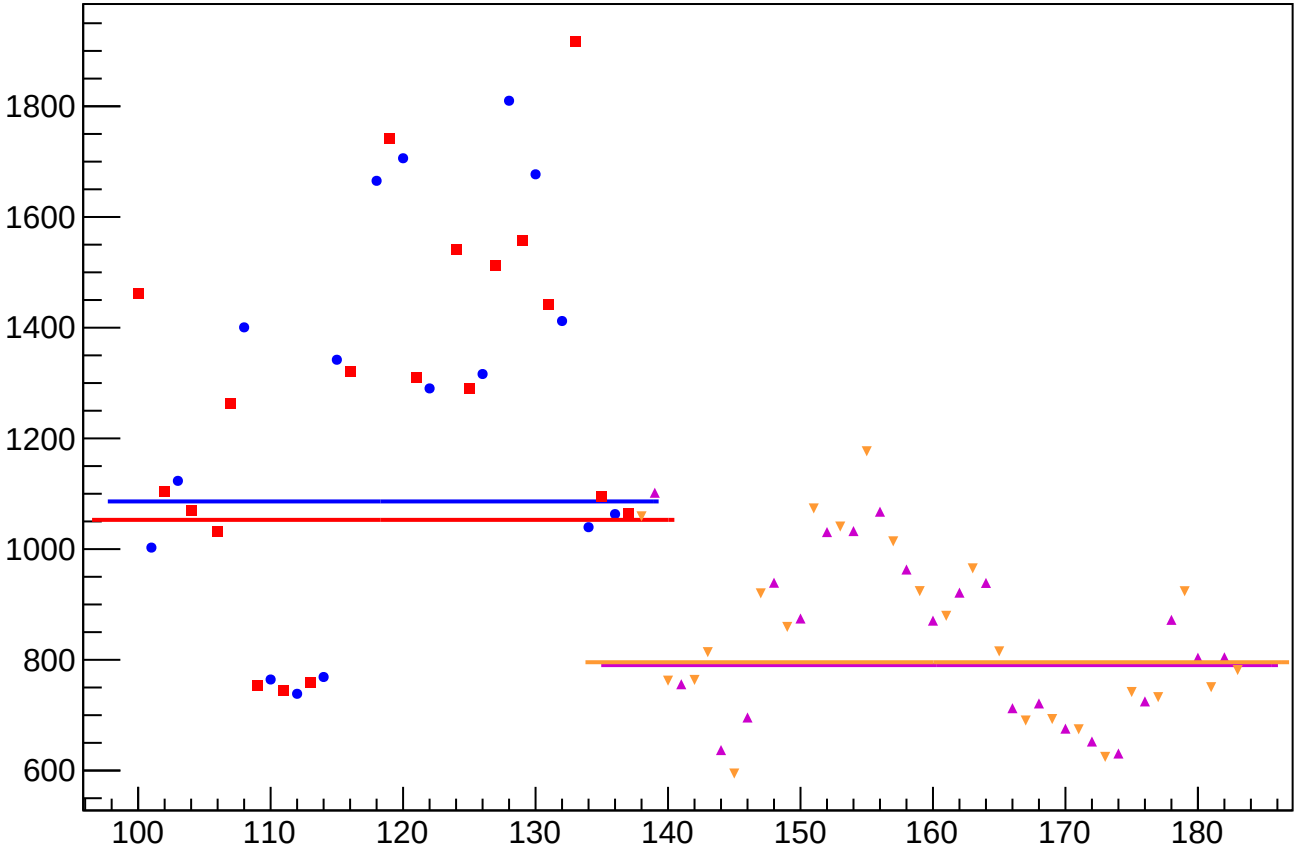
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -56.606+/-172.828 χ^2/NDF:45.8/37

Out: 694.163+/-168.472 χ^2/NDF:90.6/42

All: 328.358+/-120.638 χ^2/NDF: 146.1/80

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 795.656+/-0.131 χ^2/NDF:1174033.3/23

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 790.448+/-0.134 χ^2/NDF:1047242.8/21

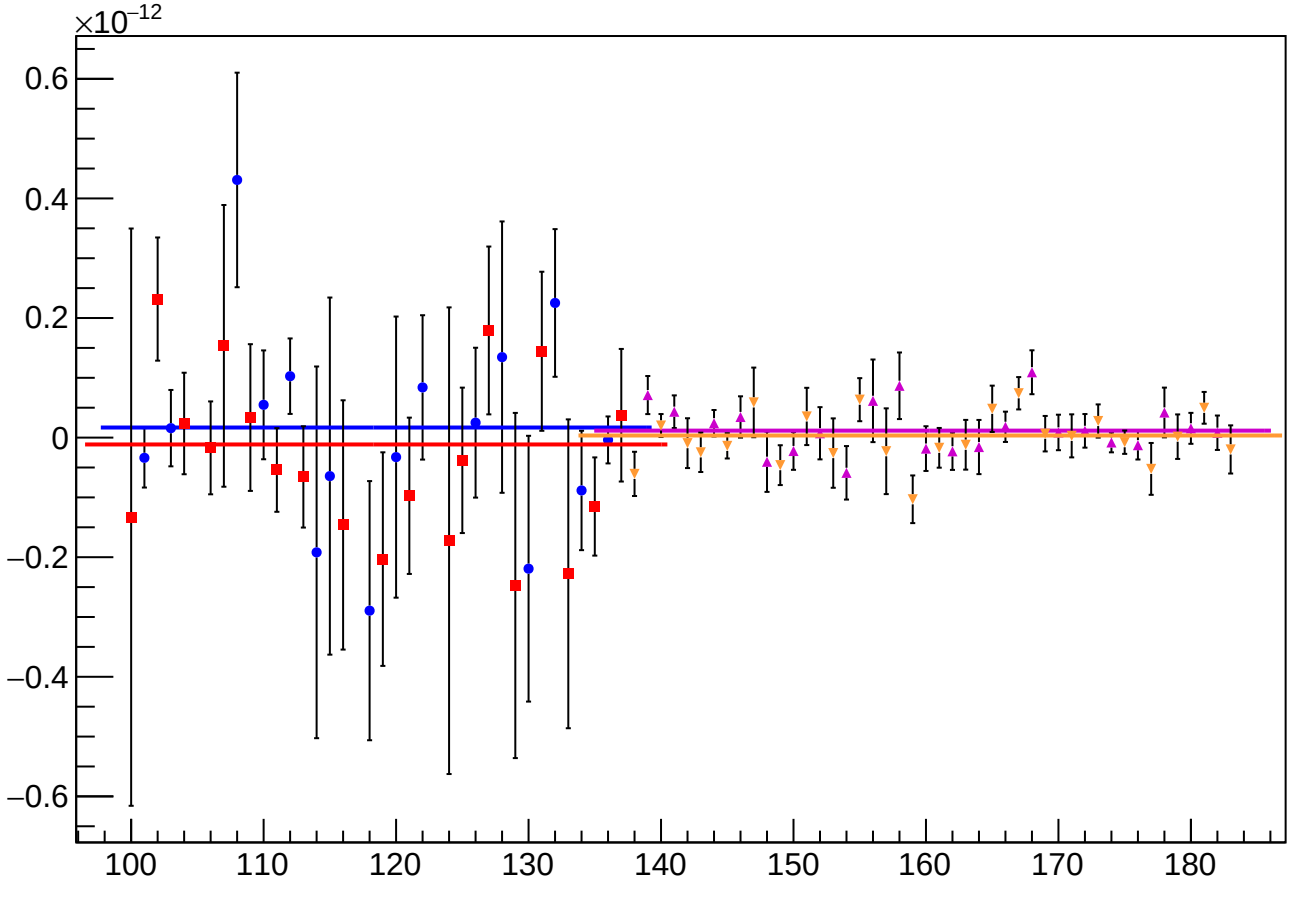
Left: 793.108+/-0.094 χ^2/NDF: 2222048.1/45

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 840.081+/-0.122 χ^2/NDF:2912452.5/37

Out: 840.578+/-0.119 χ^2/NDF:3040319.9/42

All: 840.336+/-0.085 χ^2/NDF: 5952780.9/80



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:25.1/21

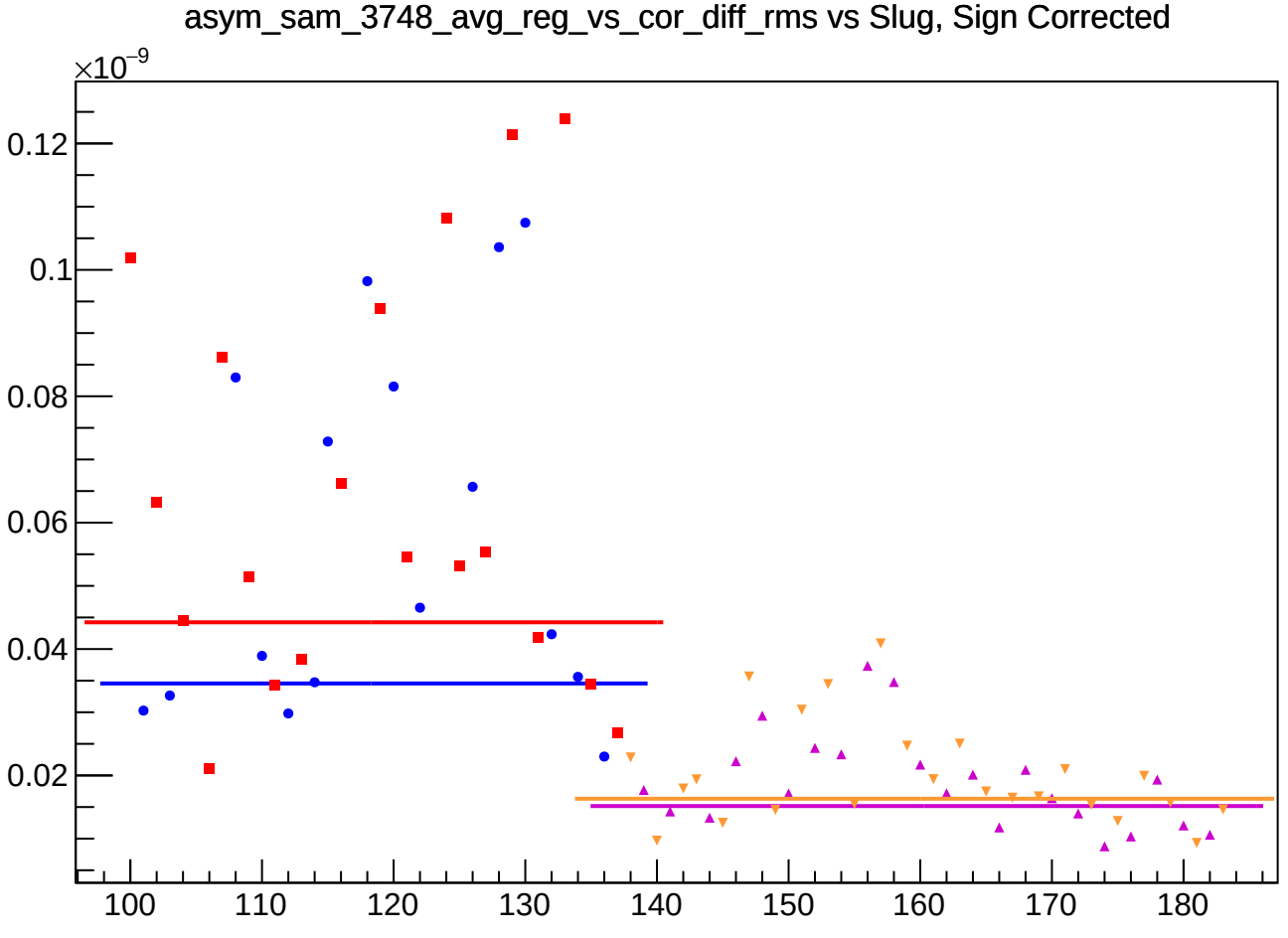
Left: 0.000+/-0.000 χ^2/NDF: 59.8/45

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:50.1/42

All: 0.000+/-0.000 χ^2/NDF: 93.2/80



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1671108.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1553787.8/21

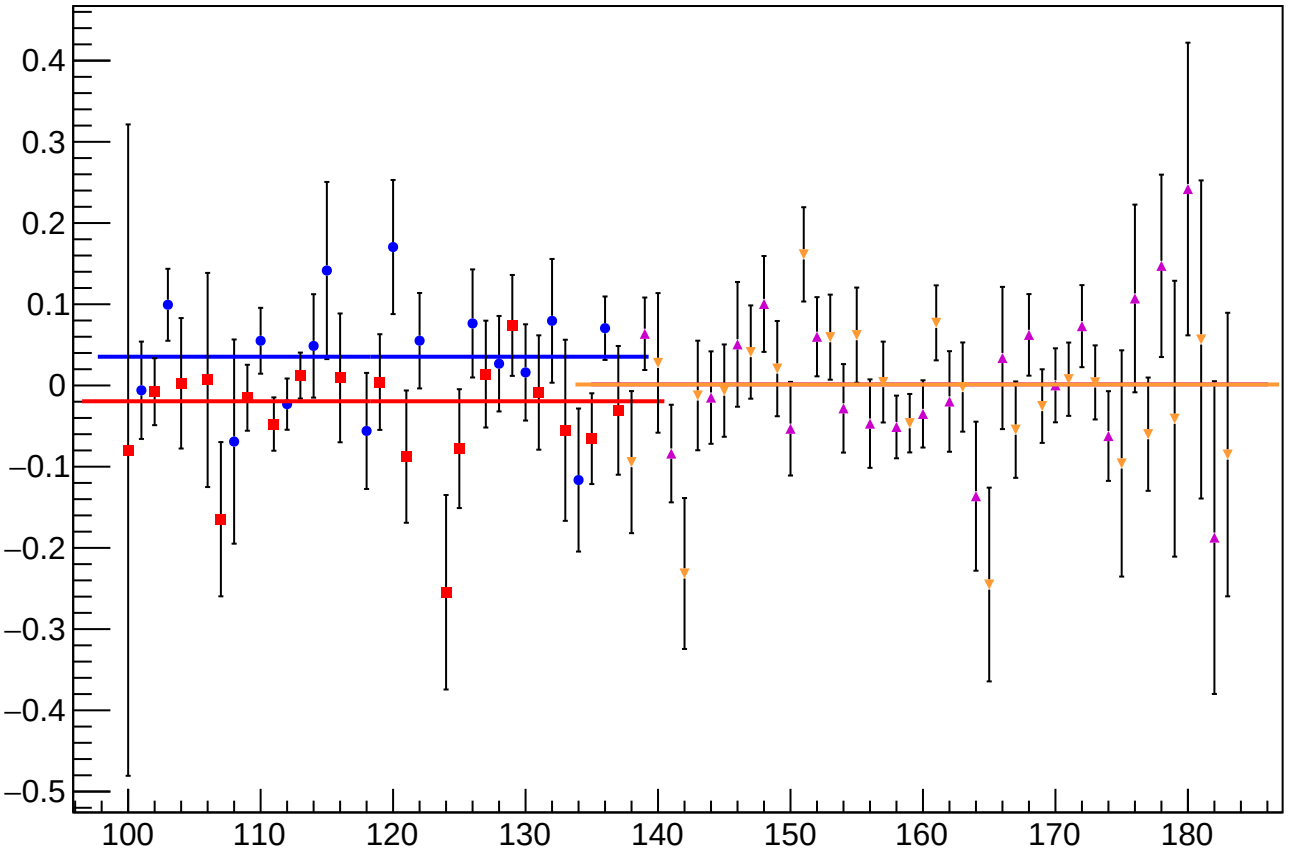
Left: 0.000+/-0.000 χ^2/NDF: 3256562.3/45

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:4778849.5/42

All: 0.000+/-0.000 χ^2/NDF: 9007197.4/80



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.8/23

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.012 χ^2/NDF:25.9/21

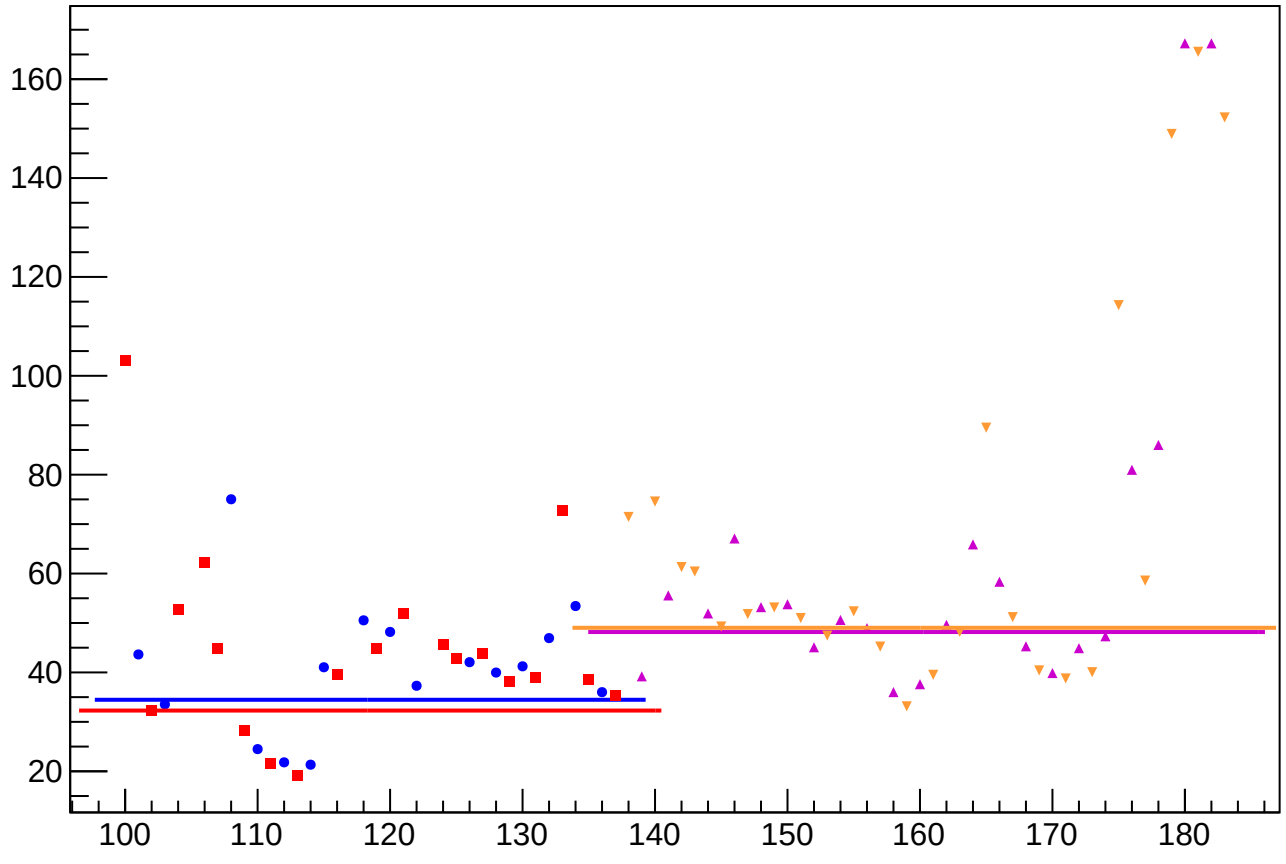
Left: 0.001+/-0.009 χ^2/NDF: 55.7/45

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:44.5/42

All: 0.004+/-0.006 χ^2/NDF: 94.4/80



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 49.028+/-0.009 χ^2/NDF:3973460.5/23

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 48.168+/-0.009 χ^2/NDF:2826701.7/21

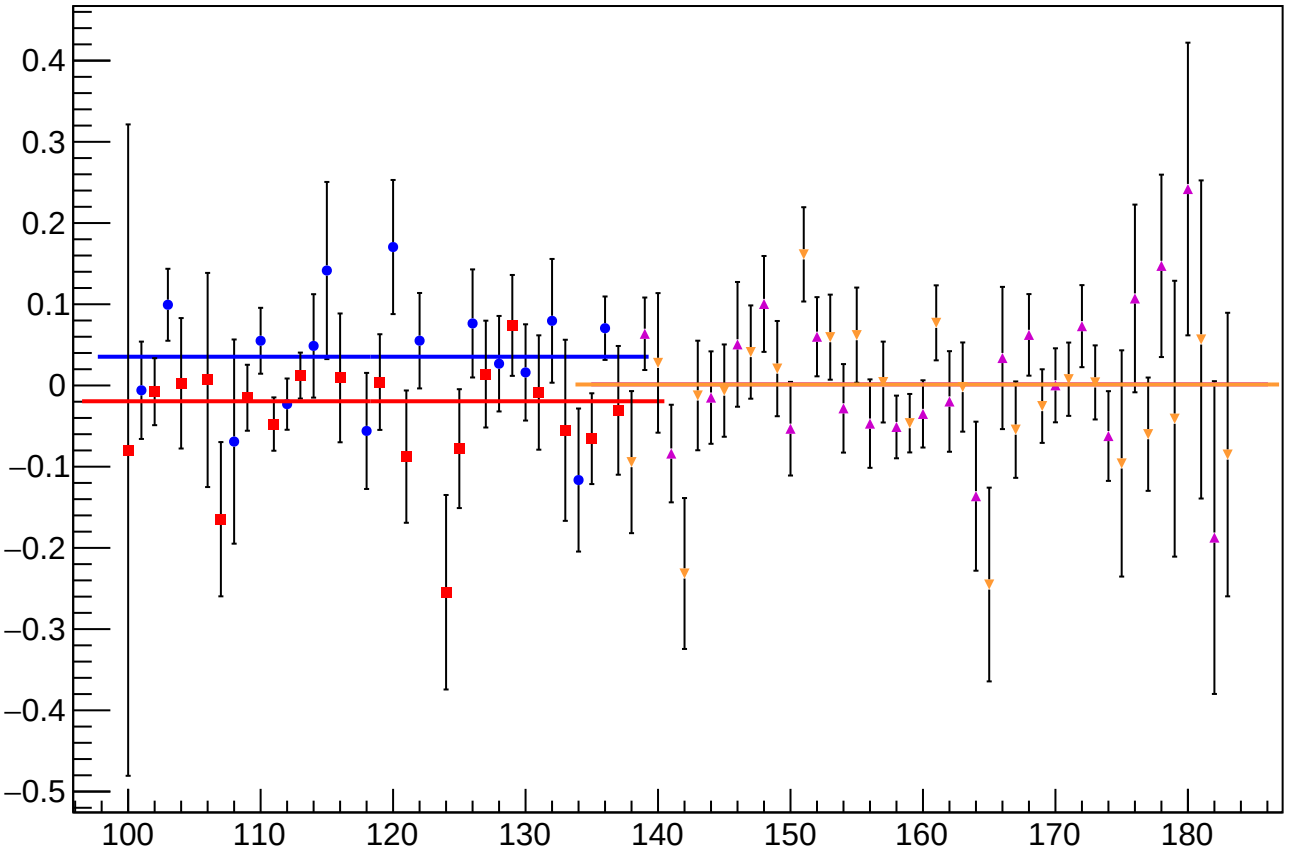
Left: 48.601+/-0.006 χ^2/NDF: 6805006.5/45

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 42.098+/-0.007 χ^2/NDF:5081365.3/37

Out: 41.190+/-0.006 χ^2/NDF:7377635.6/42

All: 41.631+/-0.005 χ^2/NDF: 12468933.7/80



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.8/23

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: 0.001+/-0.009 χ^2/NDF: 55.7/45

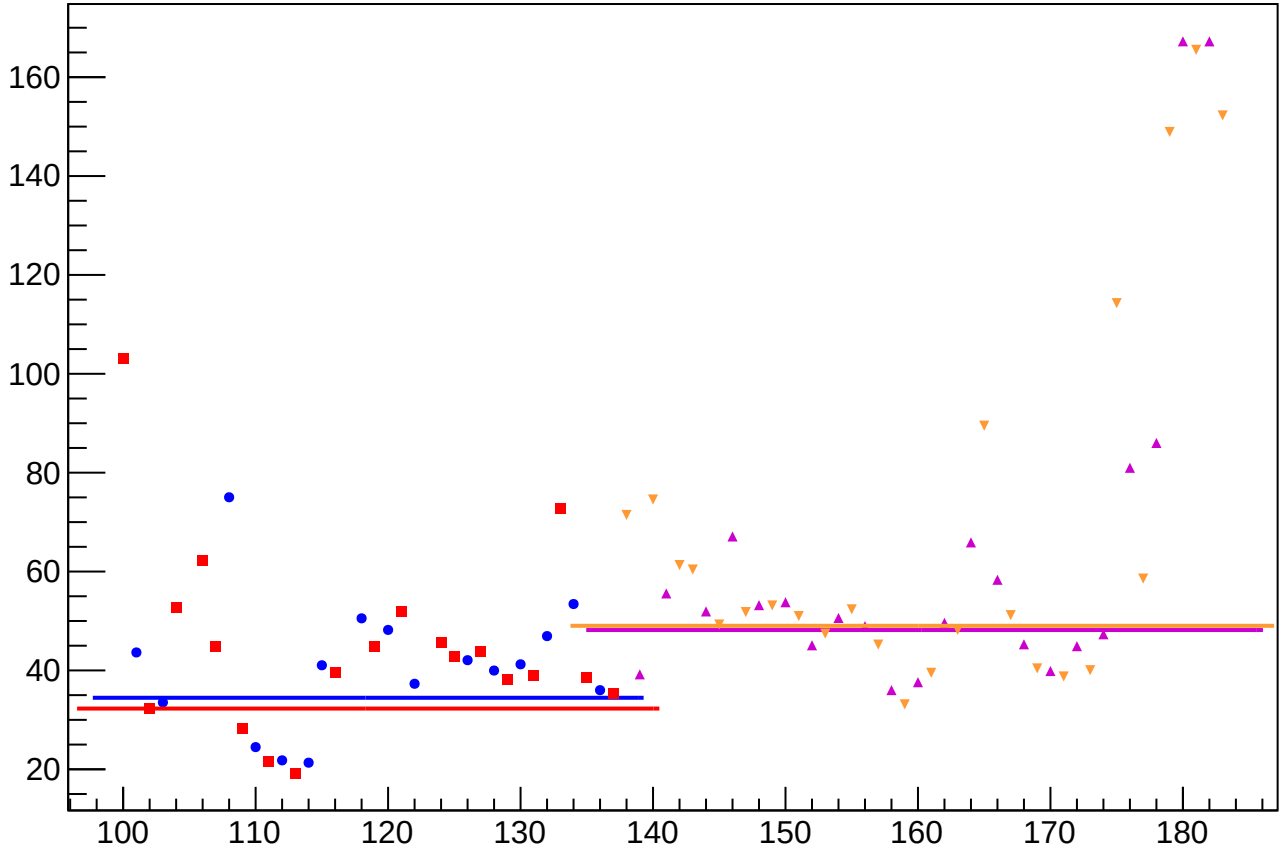
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.009 χ^2/NDF:46.2/37

Out: -0.008+/-0.009 χ^2/NDF:44.5/42

All: 0.004+/-0.006 χ^2/NDF: 94.4/80

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: 49.028+/-0.009 χ^2/NDF:3973460.5/23

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 48.168+/-0.009 χ^2/NDF:2826701.7/21

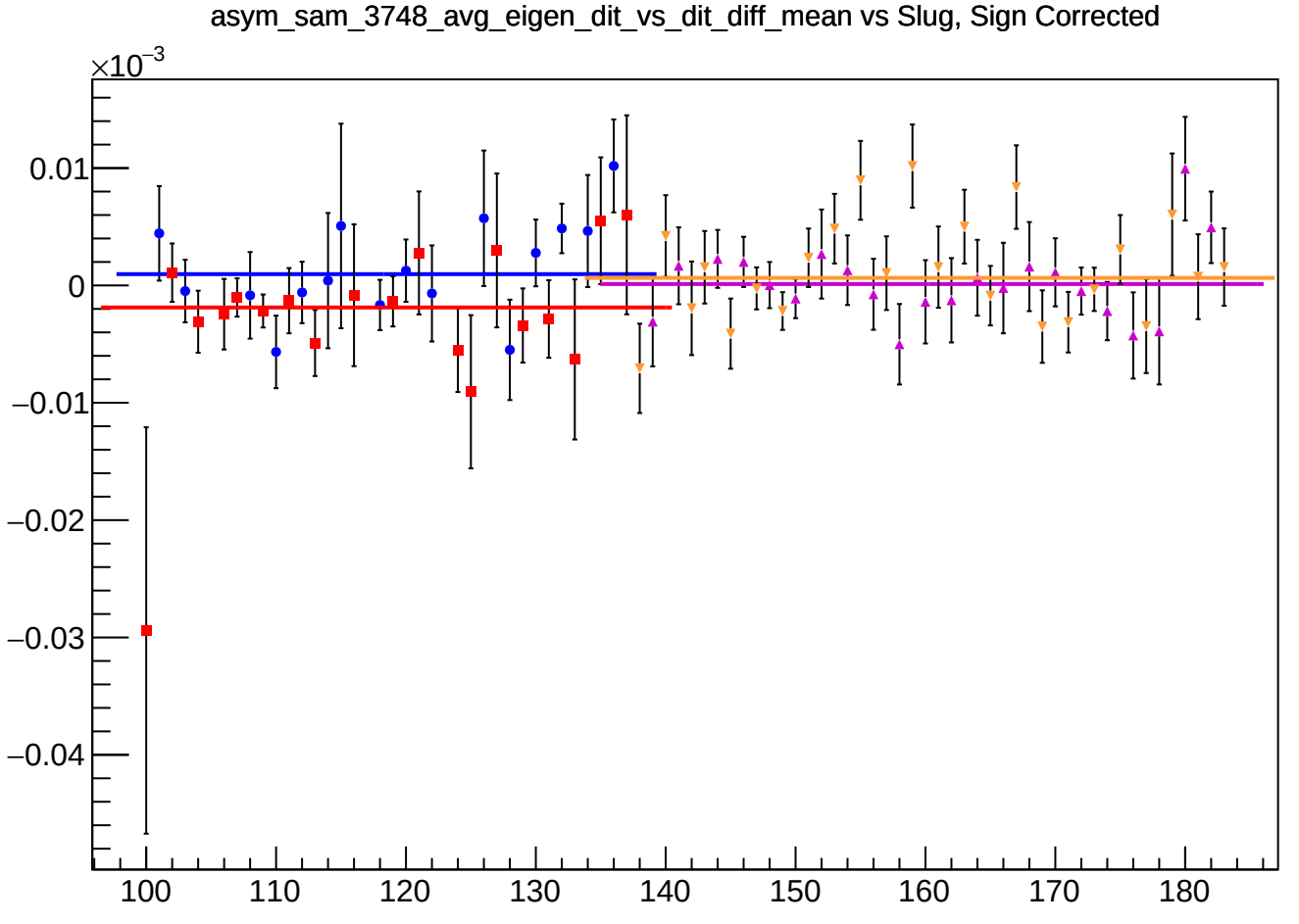
Left: 48.601+/-0.006 χ^2/NDF: 6805006.5/45

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 42.098+/-0.007 χ^2/NDF:5081365.3/37

Out: 41.190+/-0.006 χ^2/NDF:7377635.6/42

All: 41.631+/-0.005 χ^2/NDF: 12468933.7/80



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.2/21

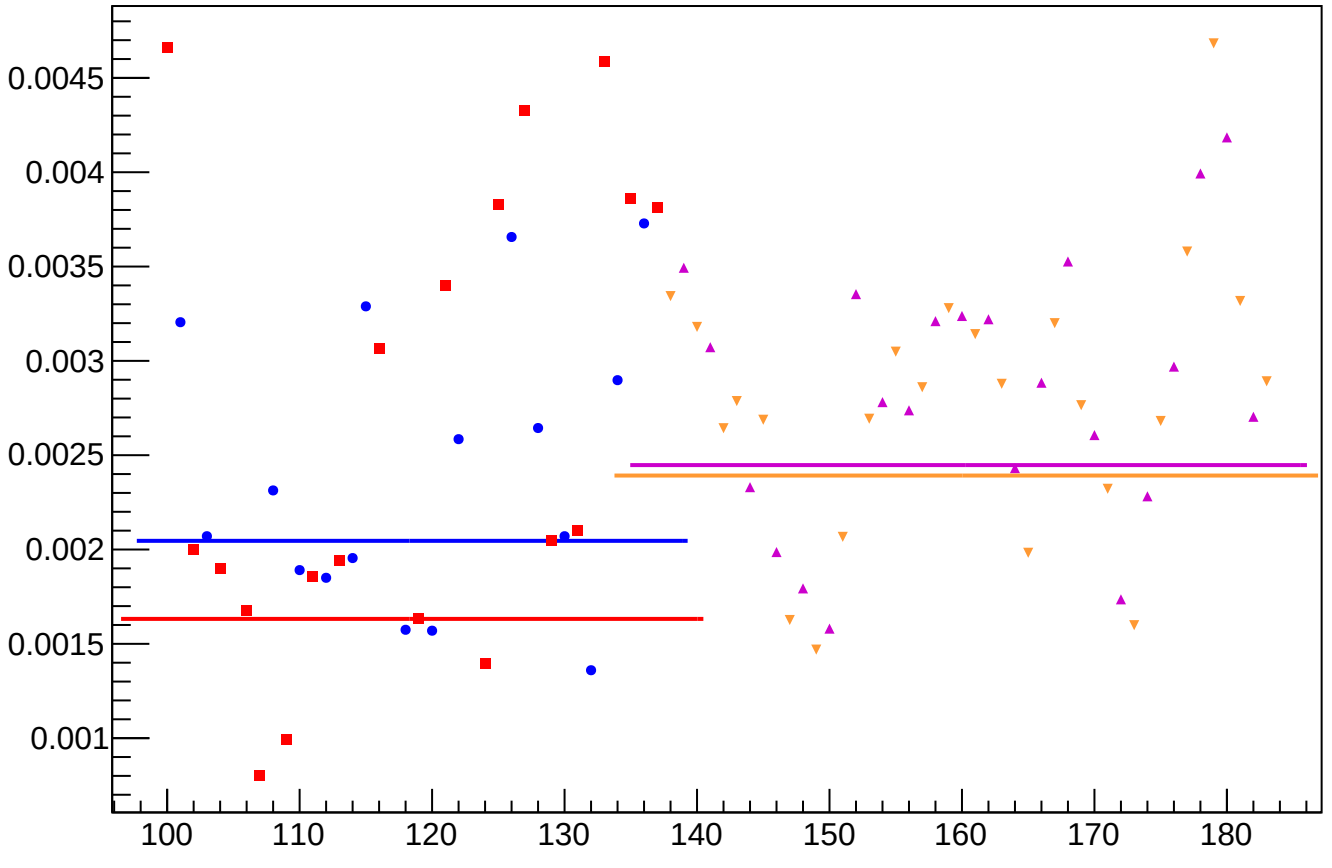
Left: 0.000+/-0.000 χ^2/NDF: 59.2/45

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:62.6/42

All: -0.000+/-0.000 χ^2/NDF: 103.1/80



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3068520.4/23

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:2580244.7/21

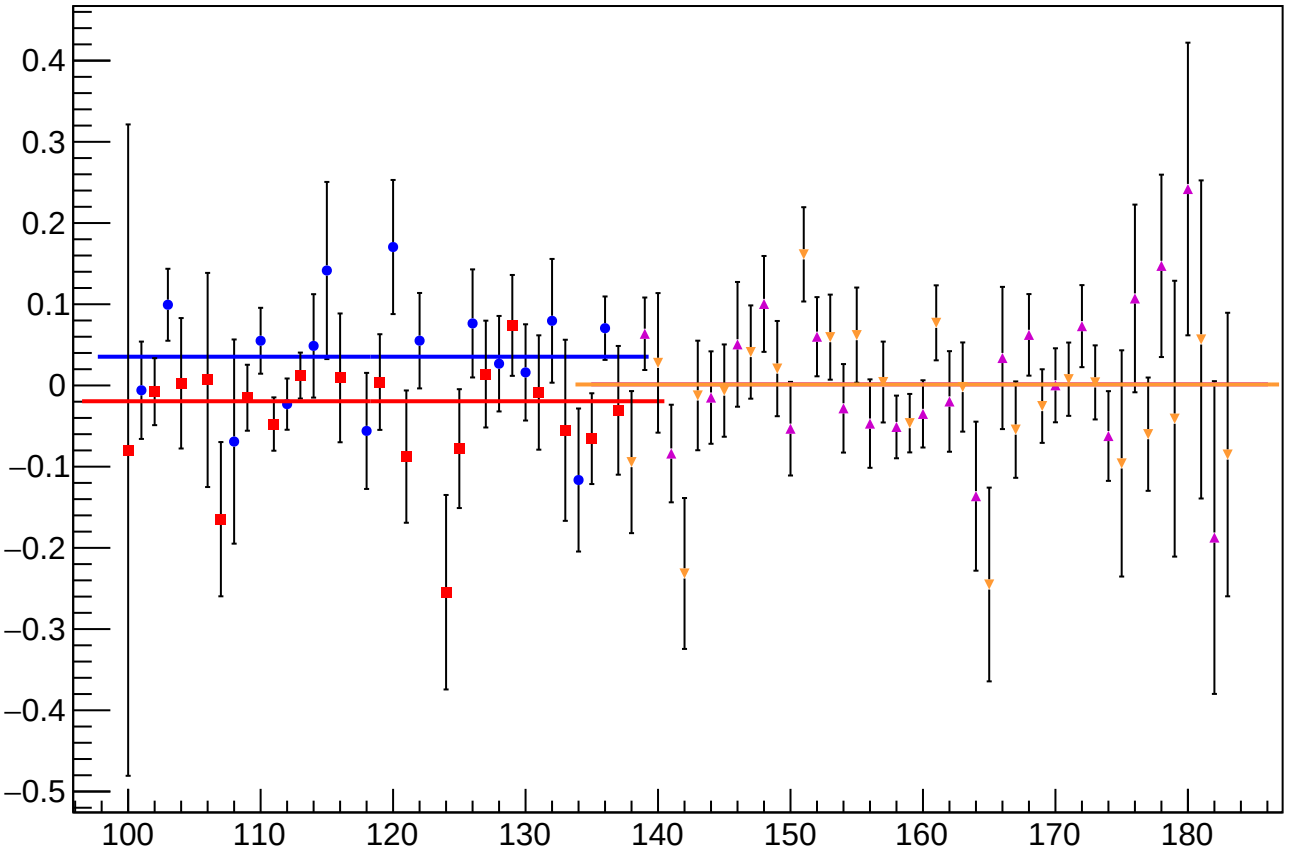
Left: 0.002+/-0.000 χ^2/NDF: 5657583.0/45

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:7478540.8/42

All: 0.002+/-0.000 χ^2/NDF: 11892713.8/80



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.8/23

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: 0.001+/-0.009 χ^2/NDF: 55.7/45

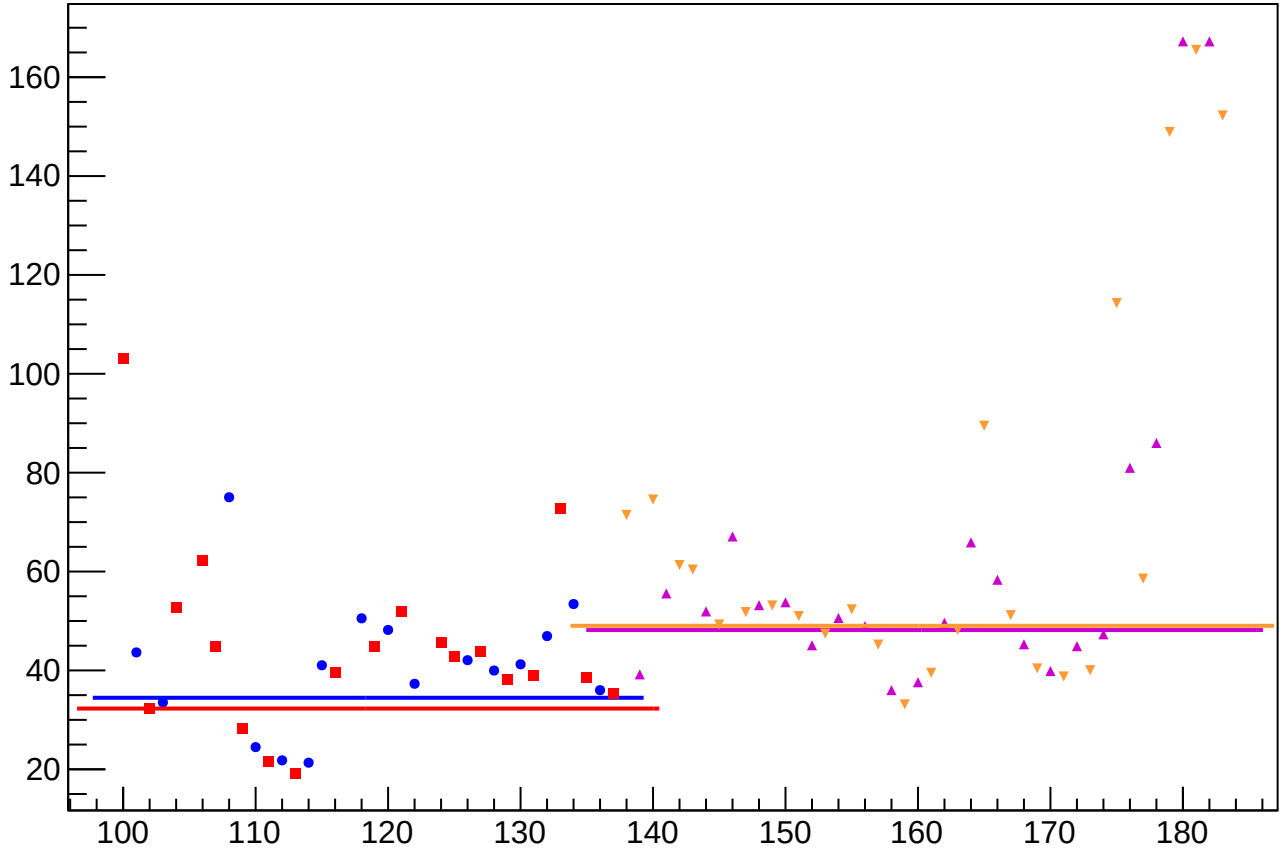
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.009 χ^2/NDF:46.2/37

Out: -0.008+/-0.009 χ^2/NDF:44.5/42

All: 0.004+/-0.006 χ^2/NDF: 94.4/80

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: 49.029+/-0.009 χ^2/NDF:3973437.1/23

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 48.169+/-0.009 χ^2/NDF:2826670.2/21

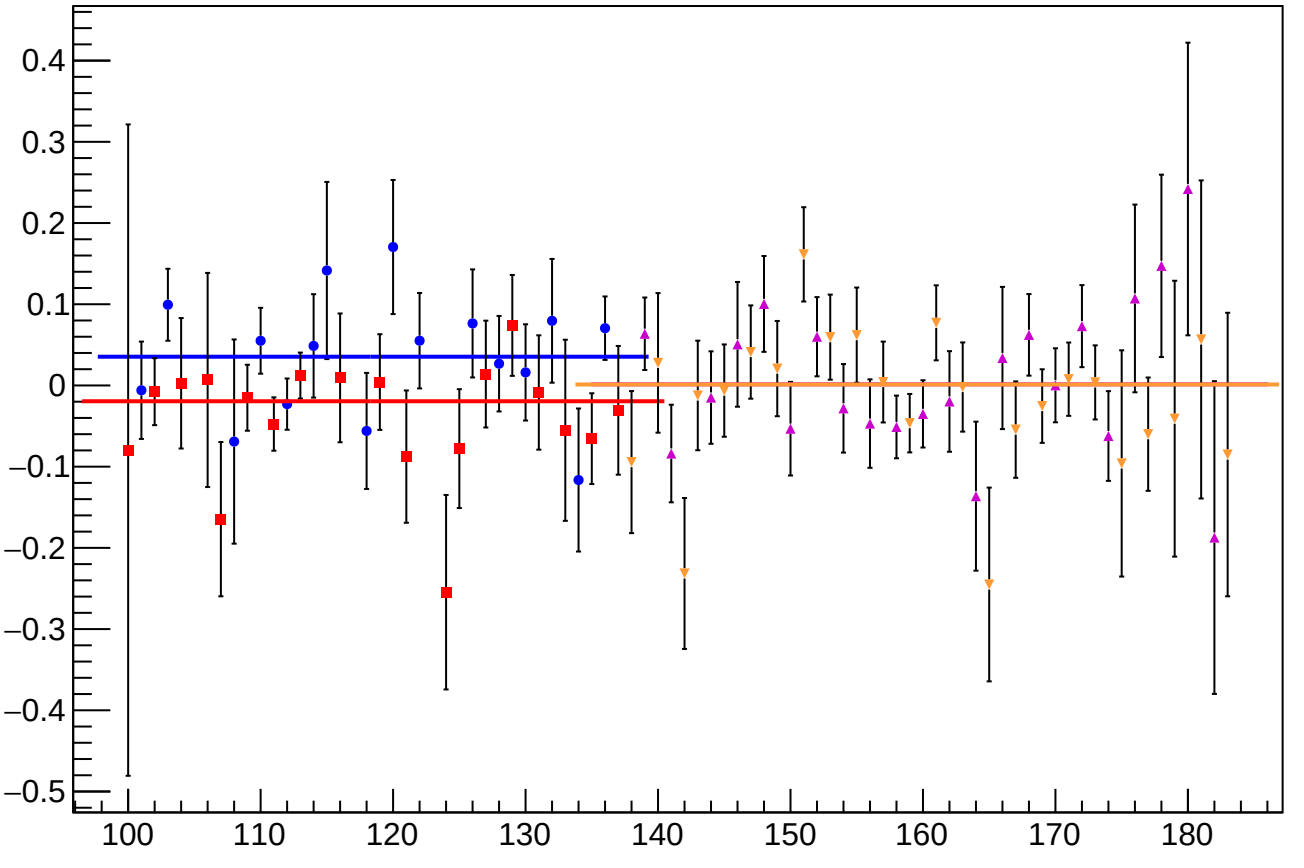
Left: 48.601+/-0.006 χ^2/NDF: 6804951.9/45

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 42.099+/-0.007 χ^2/NDF:5081301.4/37

Out: 41.190+/-0.006 χ^2/NDF:7377589.1/42

All: 41.631+/-0.005 χ^2/NDF: 12468822.5/80



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.8/23

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: 0.001+/-0.009 χ^2/NDF: 55.7/45

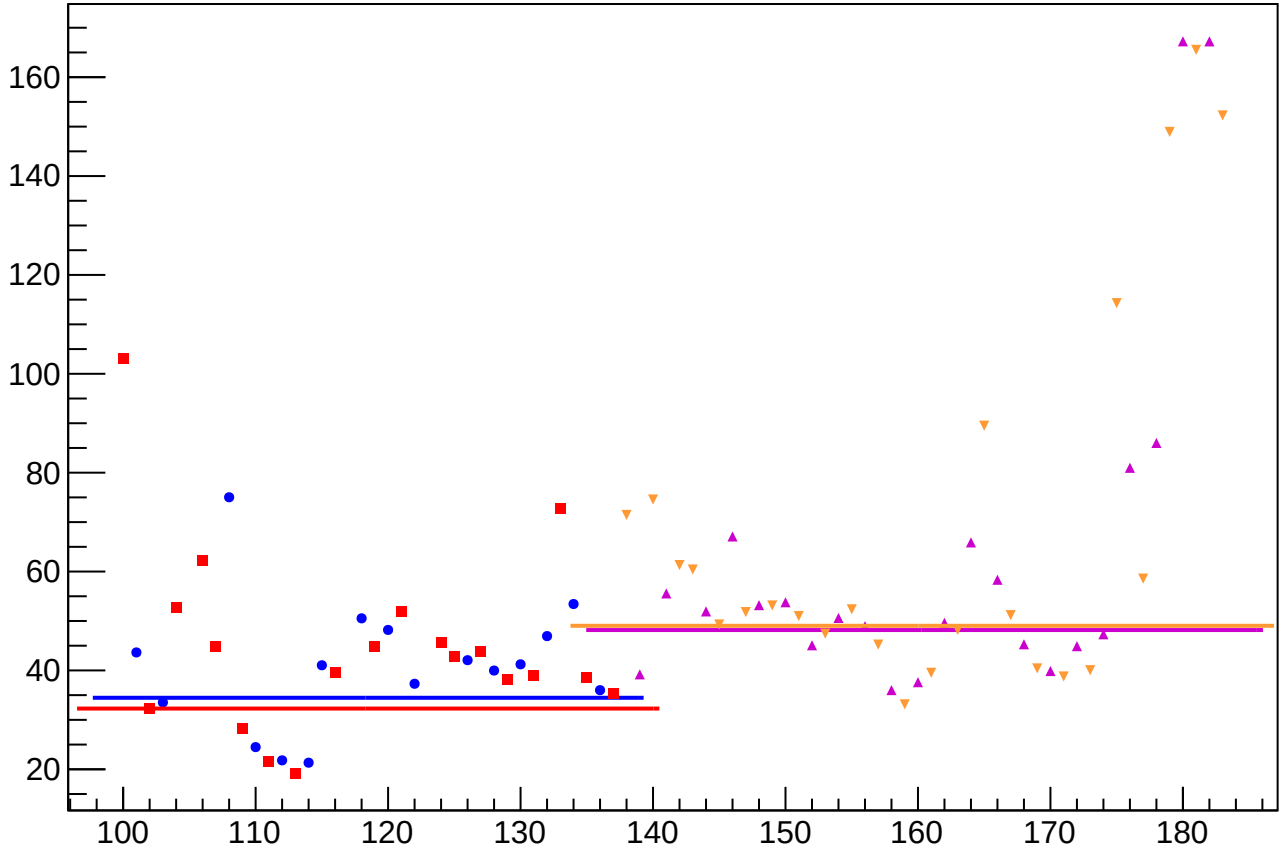
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.009 χ^2/NDF:46.2/37

Out: -0.008+/-0.009 χ^2/NDF:44.5/42

All: 0.004+/-0.006 χ^2/NDF: 94.4/80

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: 49.029+/-0.009 χ^2/NDF:3973437.1/23

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 48.169+/-0.009 χ^2/NDF:2826670.2/21

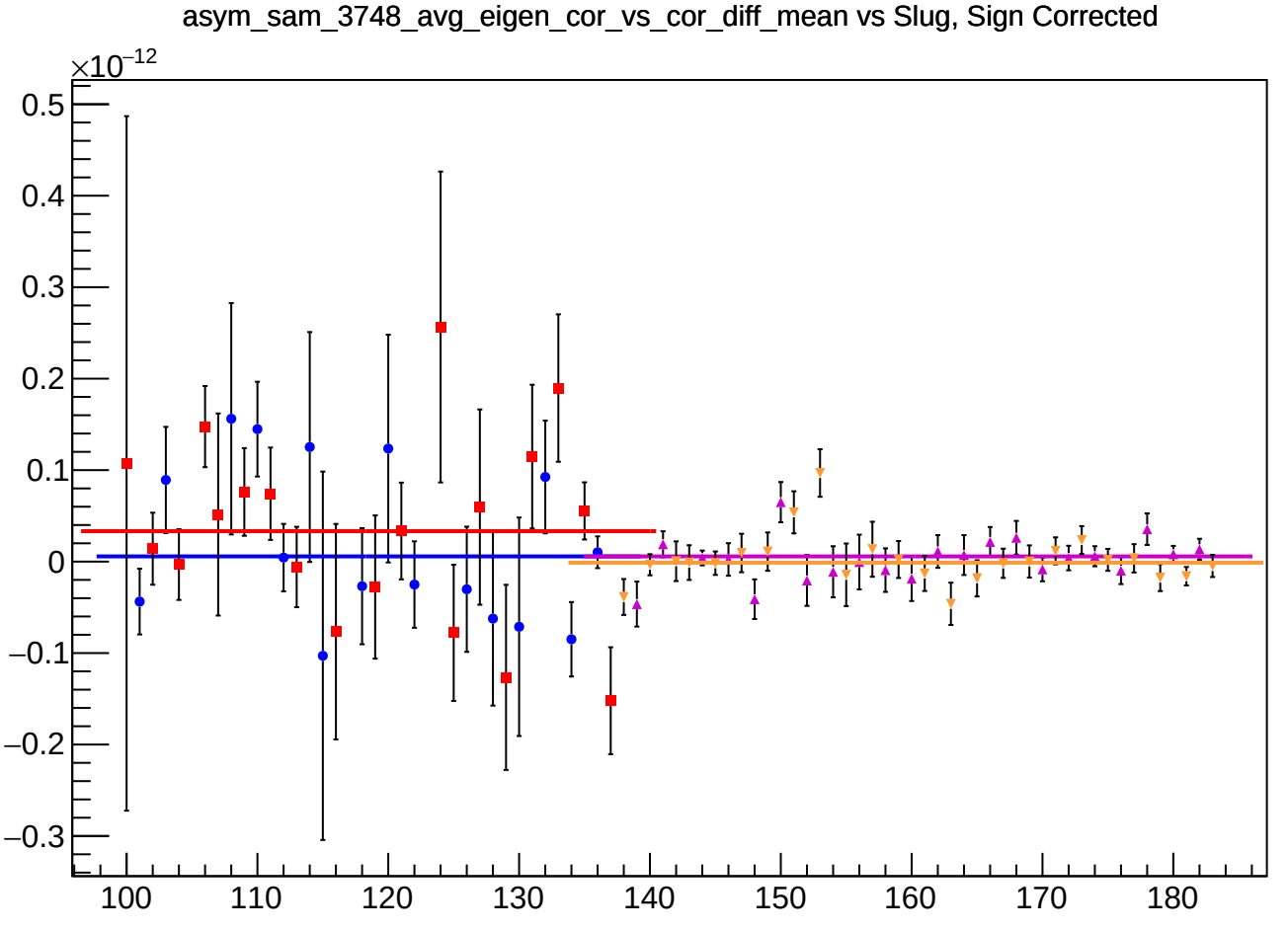
Left: 48.601+/-0.006 χ^2/NDF: 6804951.9/45

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

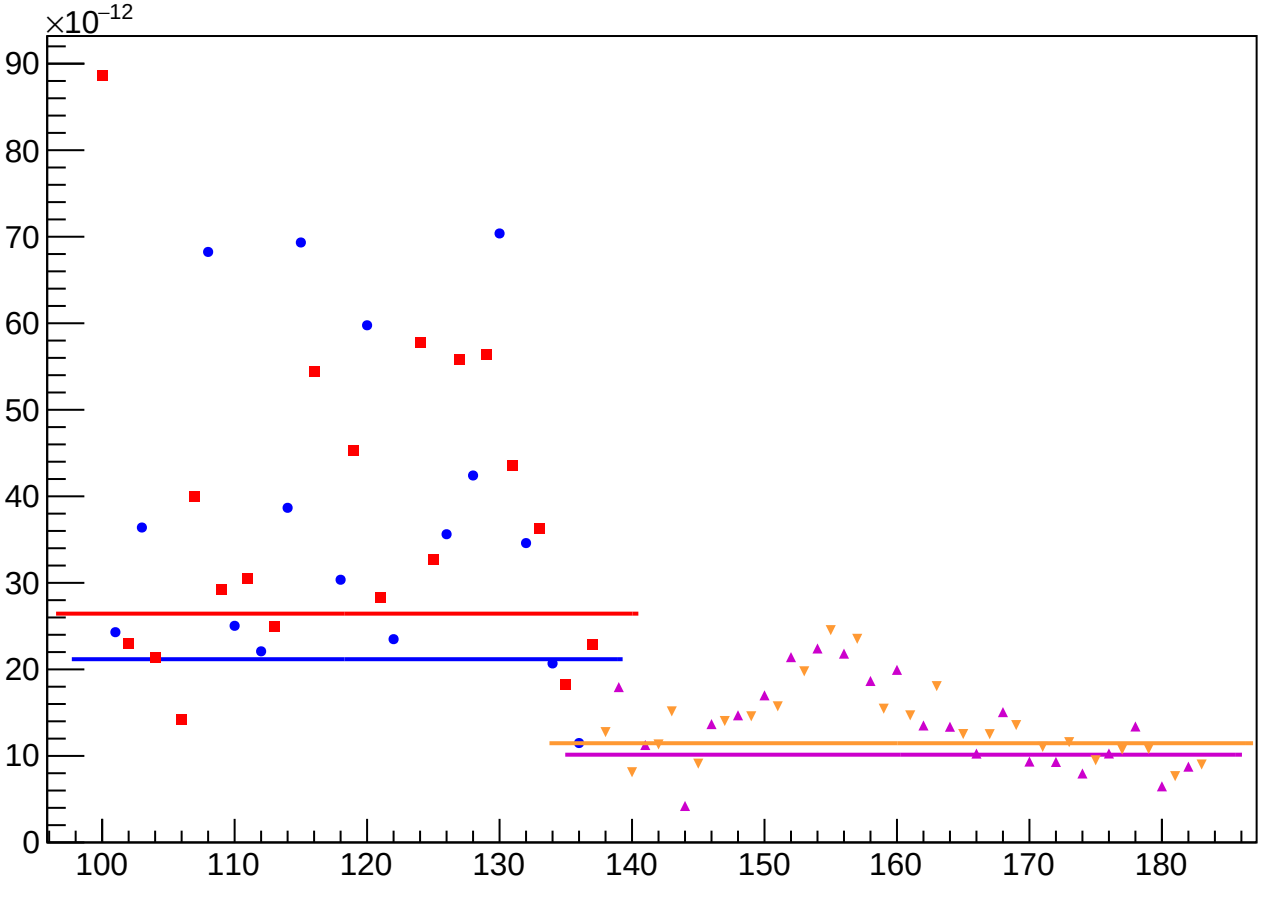
In: 42.099+/-0.007 χ^2/NDF:5081301.4/37

Out: 41.190+/-0.006 χ^2/NDF:7377589.1/42

All: 41.631+/-0.005 χ^2/NDF: 12468822.5/80


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: -0.000+/-0.000 χ²/NDF:36.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:28.1/21
Left: 0.000+/-0.000 χ²/NDF: 66.9/45
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:51.7/37
Out: 0.000+/-0.000 χ²/NDF:76.6/42
All: 0.000+/-0.000 χ²/NDF: 129.4/80

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2081289.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2053759.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1217987.6/18

Left In: 0.000+/-0.000 χ^2/NDF:4024427.7/21

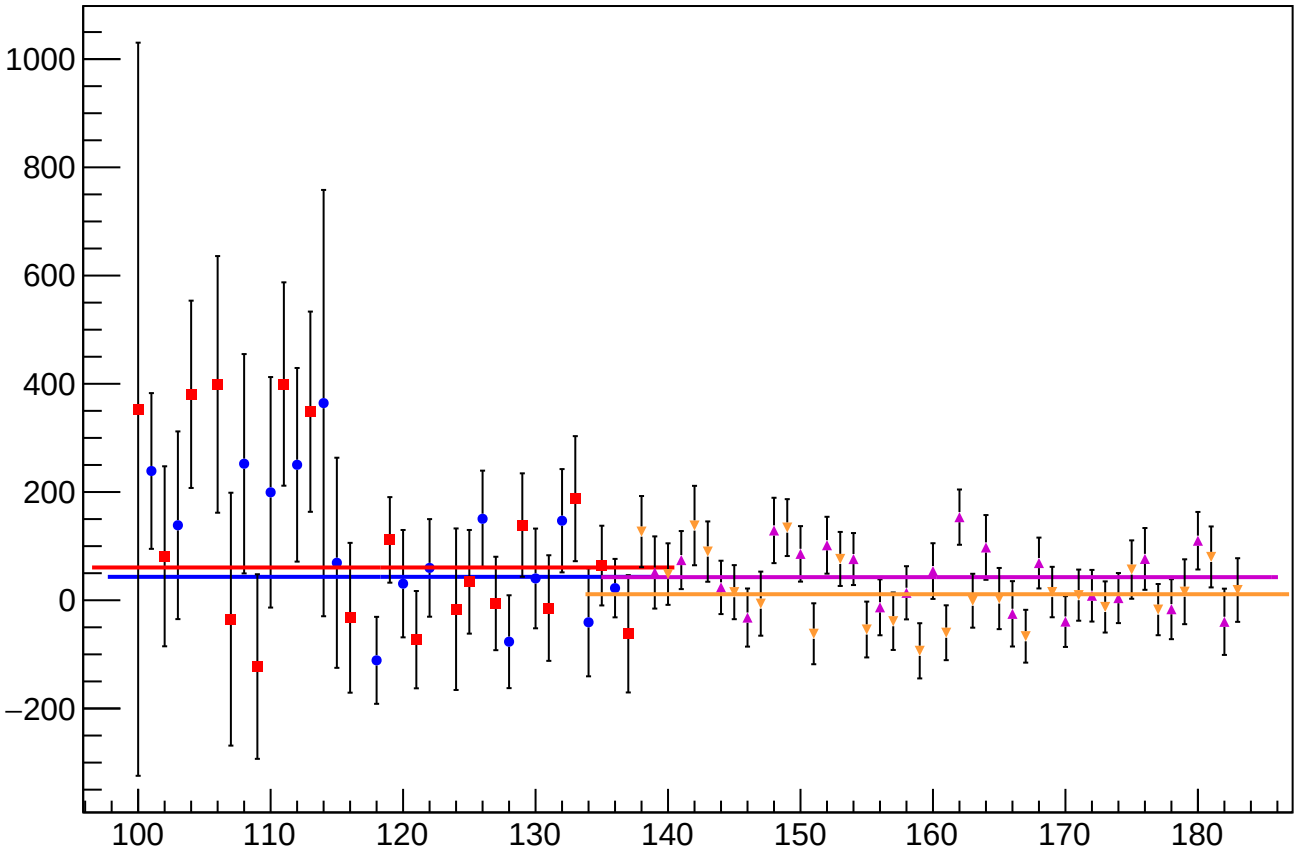
Left: 0.000+/-0.000 χ^2/NDF: 6240462.9/45

Right: 0.000+/-0.000 χ^2/NDF: 3483999.9/34

In: 0.000+/-0.000 χ^2/NDF:7836818.8/37

Out: 0.000+/-0.000 χ^2/NDF:5746908.1/42

All: 0.000+/-0.000 χ^2/NDF: 13787326.0/80



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 11.157+/-10.858 χ^2/NDF:31.6/23

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: 26.423+/-7.801 χ^2/NDF: 60.5/45

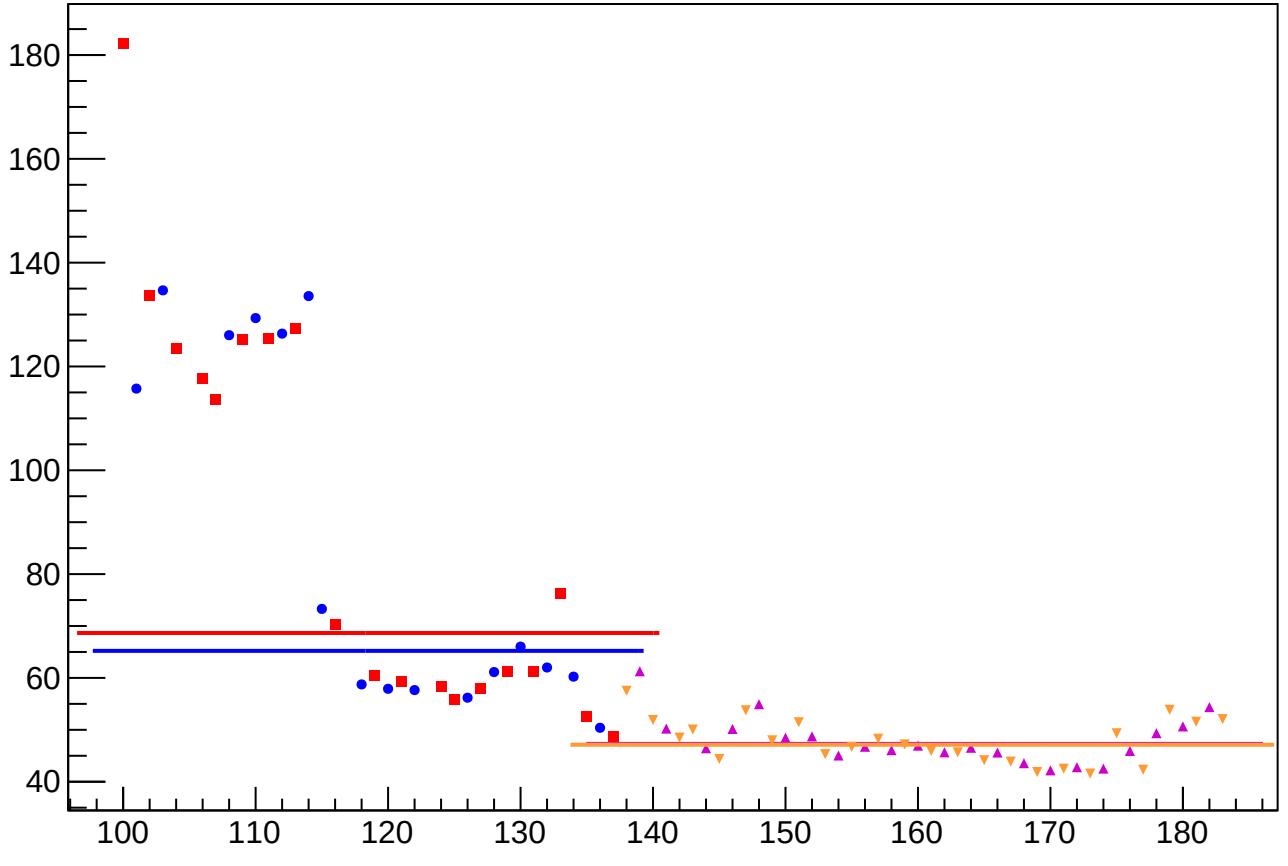
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 42.796+/-10.285 χ^2/NDF:39.7/37

Out: 18.085+/-10.069 χ^2/NDF:54.9/42

All: 30.178+/-7.195 χ^2/NDF: 97.6/80

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 47.132+/-0.008 χ^2/NDF:282784.8/23

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: 47.206+/-0.006 χ^2/NDF: 541300.3/45

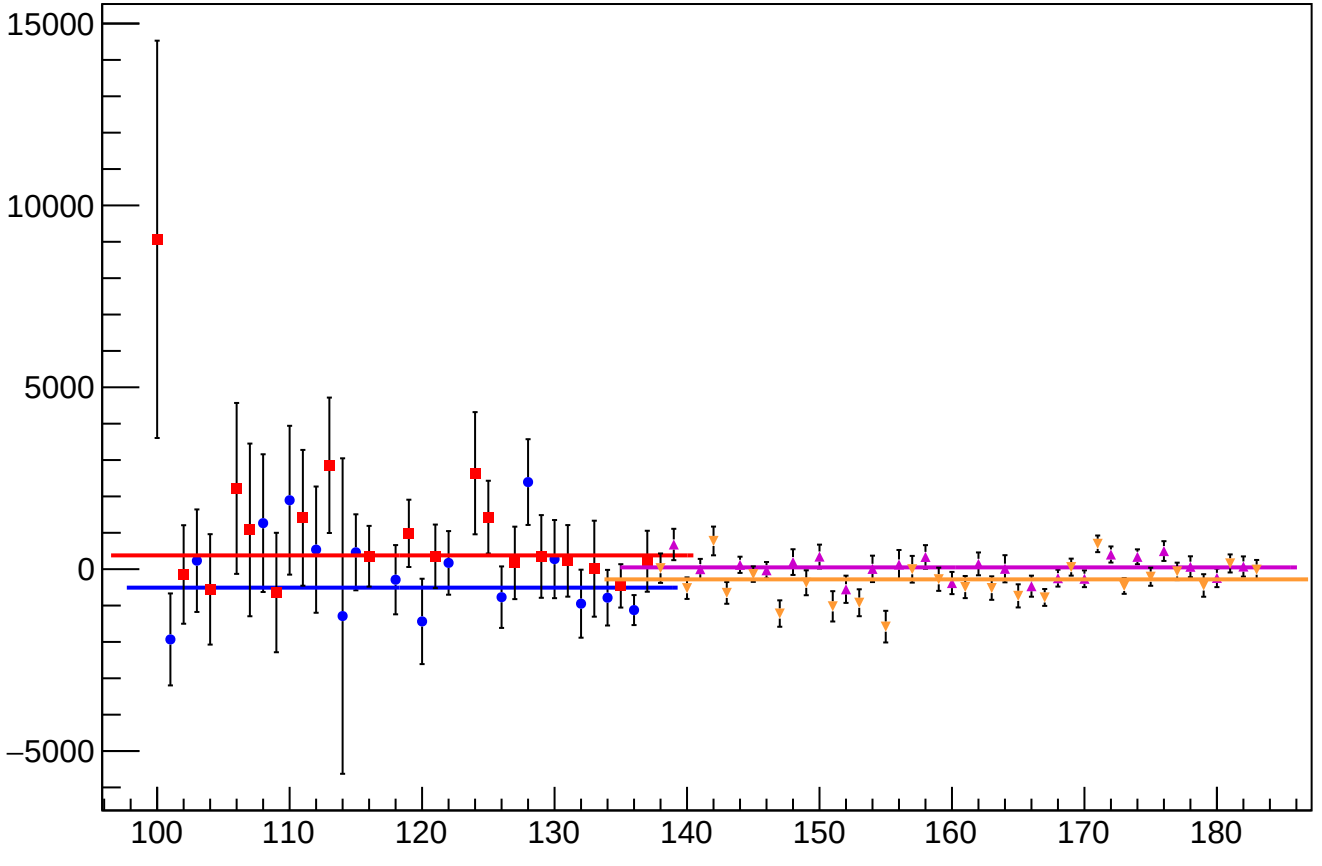
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 50.139+/-0.007 χ^2/NDF:2517971.0/37

Out: 50.149+/-0.007 χ^2/NDF:3025192.6/42

All: 50.144+/-0.005 χ^2/NDF: 5543164.6/80

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: -280.252+/-58.652 χ^2/NDF:66.9/23

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: -118.205+/-41.815 χ^2/NDF: 106.5/45

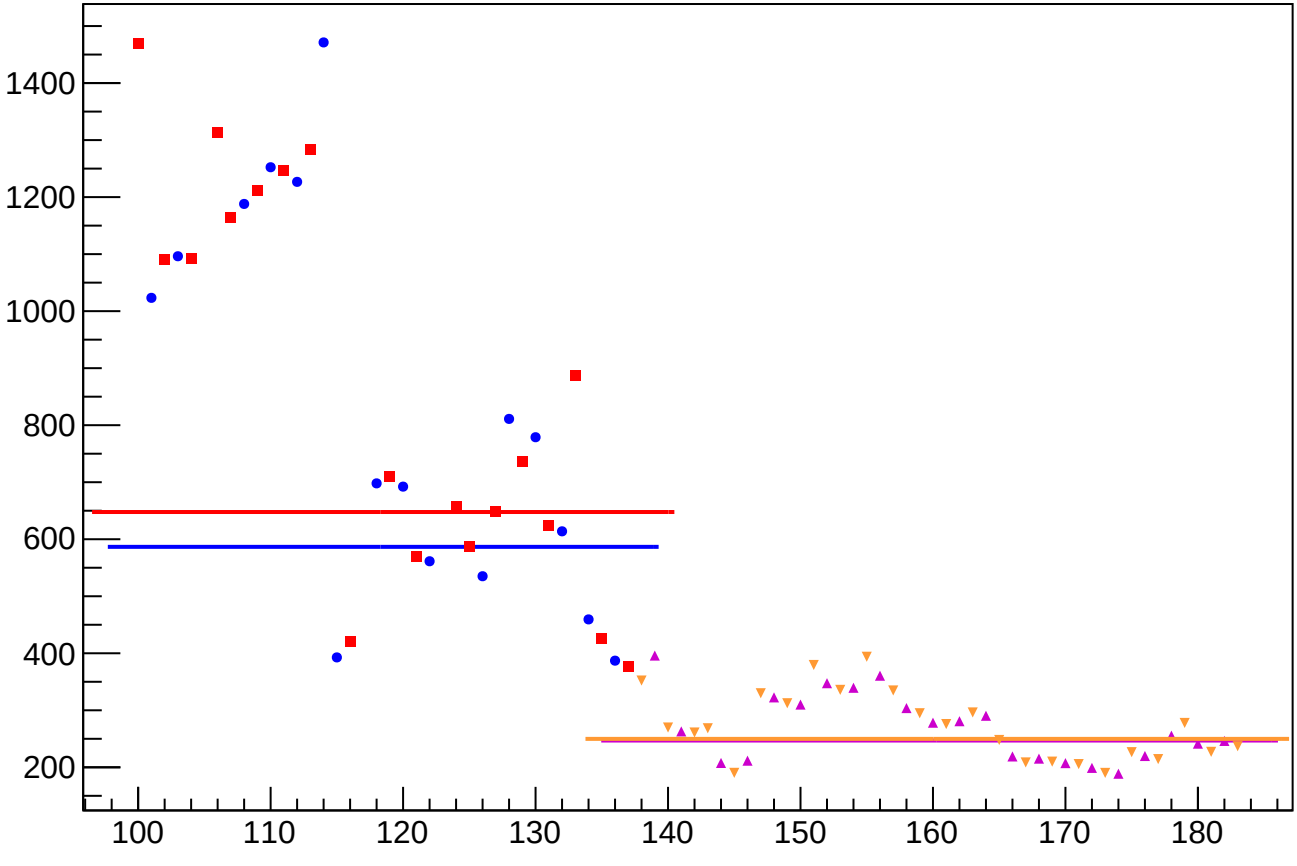
Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: 16.107+/-57.829 χ^2/NDF:45.0/37

Out: -247.477+/-57.176 χ^2/NDF:84.9/42

All: -117.182+/-40.658 χ^2/NDF: 140.4/80

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: 249.871+/-0.041 χ^2/NDF:1637223.7/23

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 246.955+/-0.042 χ^2/NDF:1483604.8/21

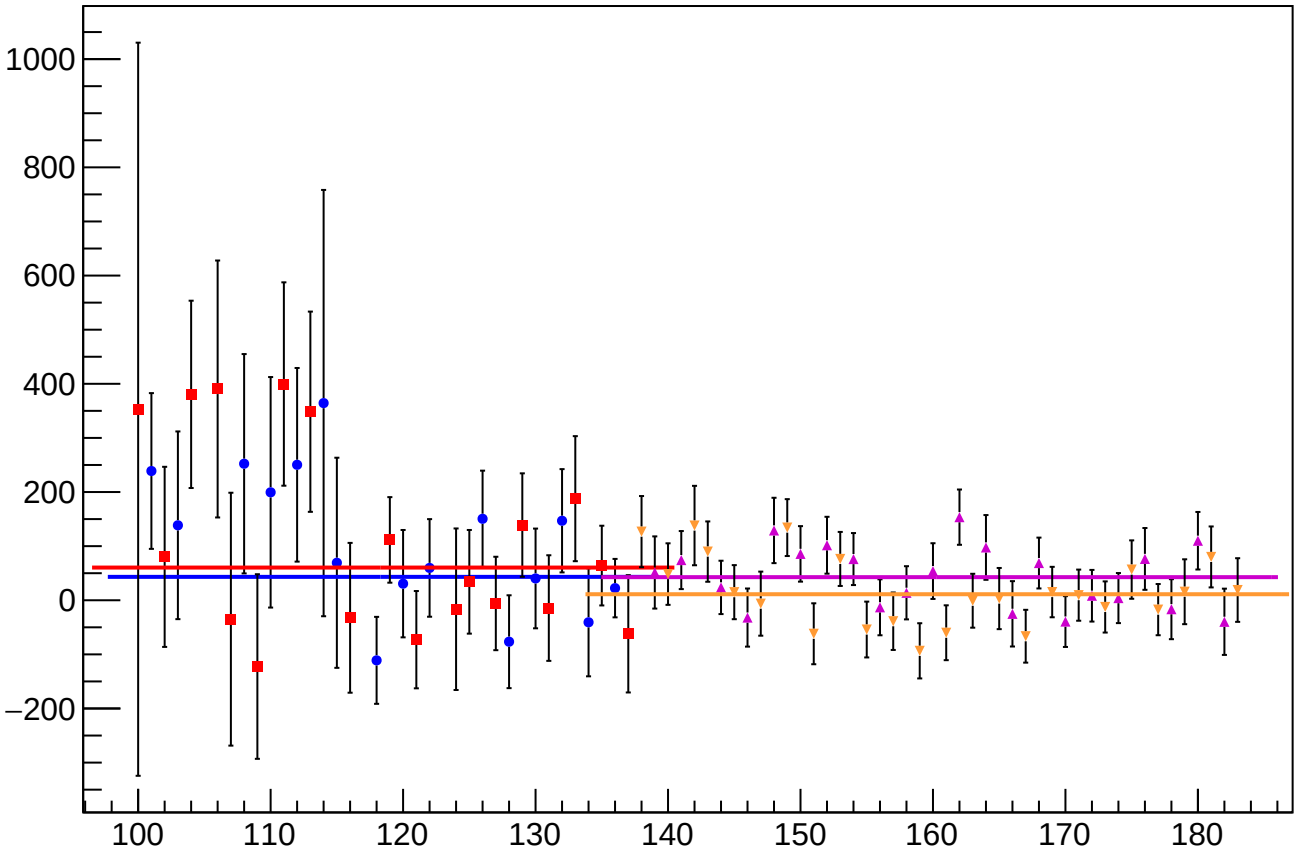
Left: 248.437+/-0.030 χ^2/NDF: 3123258.5/45

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 267.189+/-0.041 χ^2/NDF:7402460.2/37

Out: 269.654+/-0.040 χ^2/NDF:8318926.9/42

All: 268.435+/-0.029 χ^2/NDF: 15723225.0/80



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 11.159+/-10.858 χ^2/NDF:31.6/23

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 42.711+/-11.216 χ^2/NDF:24.8/21

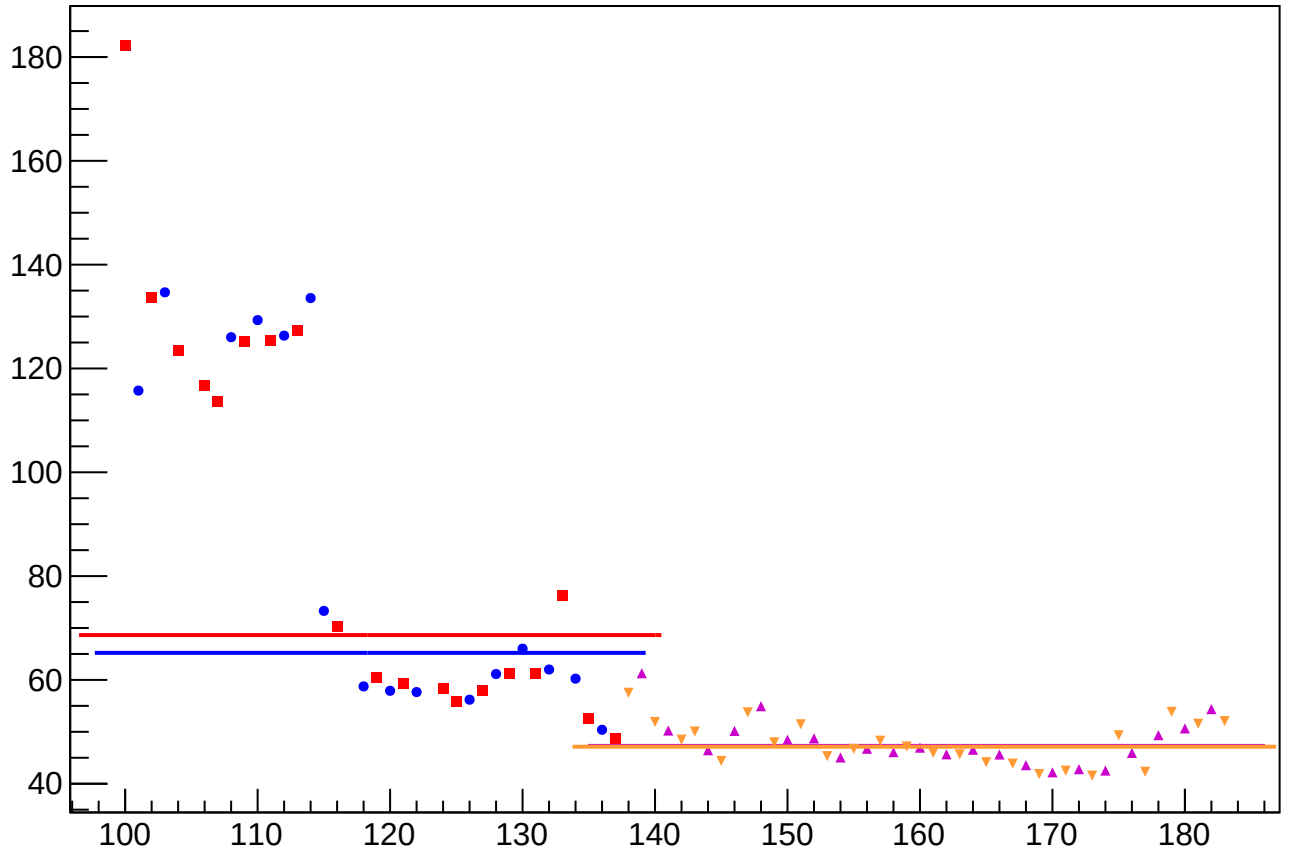
Left: 26.424+/-7.801 χ^2/NDF: 60.5/45

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 42.795+/-10.285 χ^2/NDF:39.7/37

Out: 18.065+/-10.069 χ^2/NDF:54.8/42

All: 30.167+/-7.195 χ^2/NDF: 97.5/80



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.132+/-0.008 χ^2/NDF:282784.8/23

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: 47.206+/-0.006 χ^2/NDF: 541300.3/45

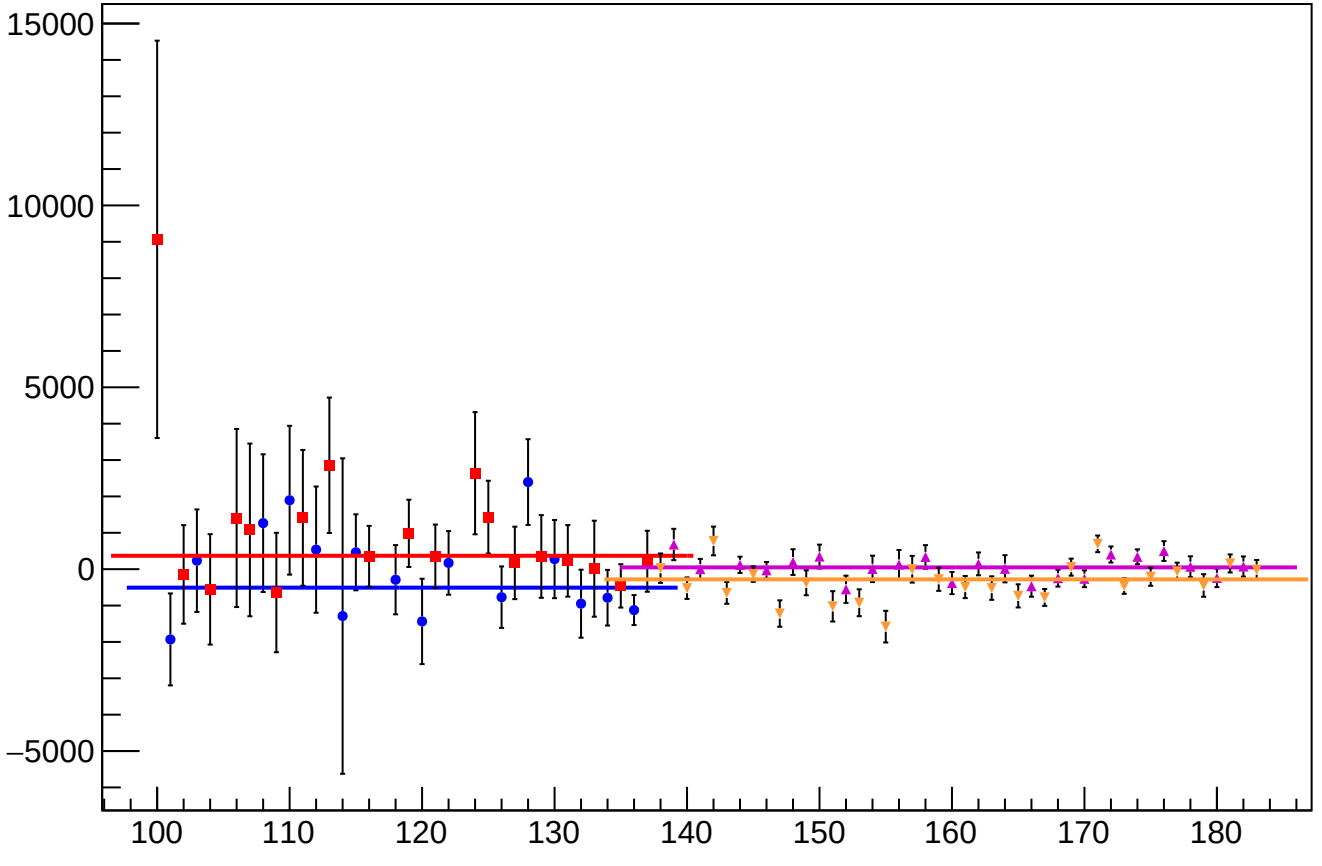
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.139+/-0.007 χ^2/NDF:2517973.1/37

Out: 50.147+/-0.007 χ^2/NDF:3020320.3/42

All: 50.143+/-0.005 χ^2/NDF: 5538294.0/80

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: -280.250+/-58.652 χ^2/NDF:66.9/23

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 49.296+/-59.632 χ^2/NDF:24.1/21

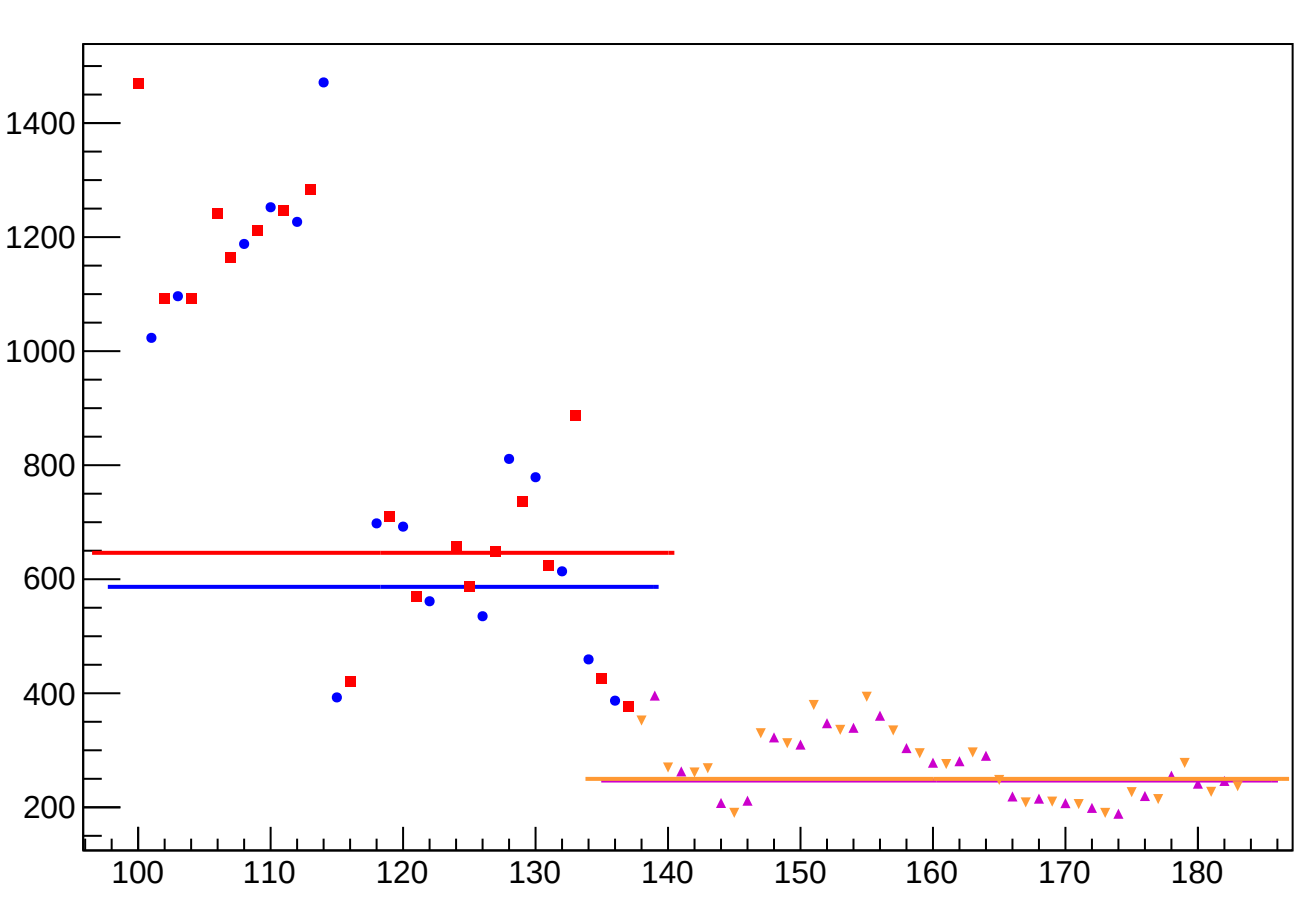
Left: -118.205+/-41.815 χ^2/NDF: 106.5/45

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 16.106+/-57.829 χ^2/NDF:45.0/37

Out: -248.030+/-57.177 χ^2/NDF:84.2/42

All: -117.459+/-40.659 χ^2/NDF: 139.8/80



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 249.870+/-0.041 χ^2/NDF:1637233.3/23

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 246.955+/-0.042 χ^2/NDF:1483599.4/21

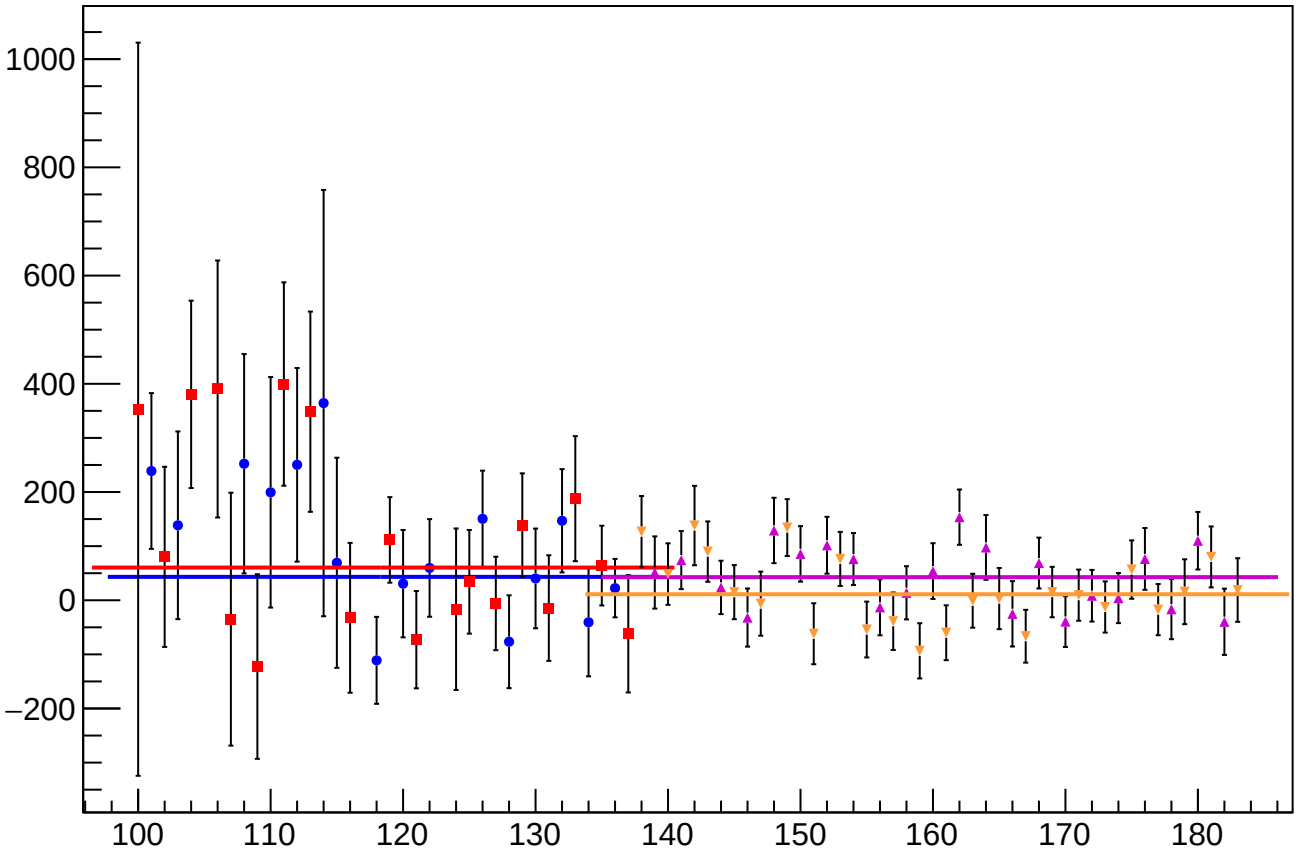
Left: 248.437+/-0.030 χ^2/NDF: 3123262.3/45

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 267.189+/-0.041 χ^2/NDF:7402470.9/37

Out: 269.565+/-0.040 χ^2/NDF:8239884.1/42

All: 268.390+/-0.029 χ^2/NDF: 15644062.7/80



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 11.159+/-10.858 χ^2/NDF:31.6/23

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 42.711+/-11.216 χ^2/NDF:24.8/21

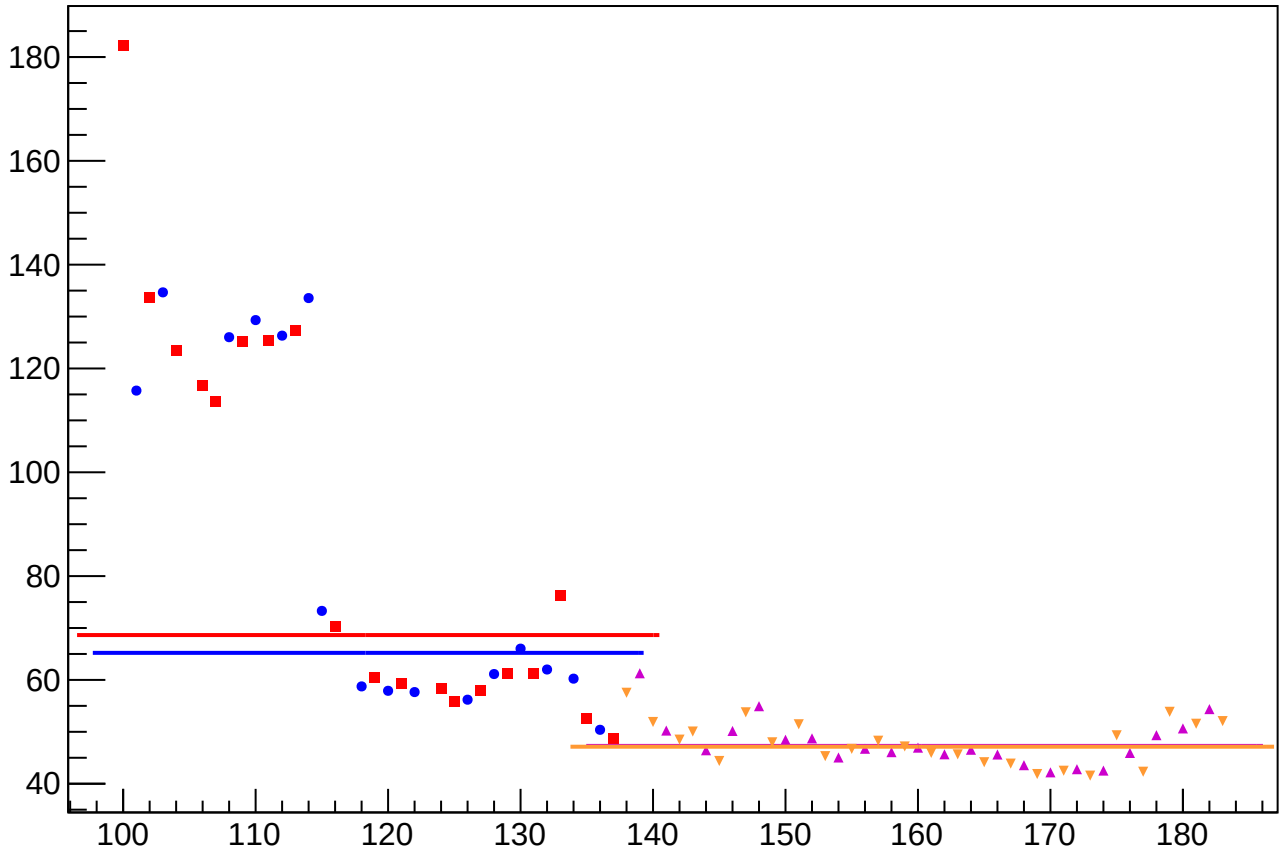
Left: 26.424+/-7.801 χ^2/NDF: 60.5/45

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 42.795+/-10.285 χ^2/NDF:39.7/37

Out: 18.065+/-10.069 χ^2/NDF:54.8/42

All: 30.167+/-7.195 χ^2/NDF: 97.5/80



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.132+/-0.008 χ^2/NDF:282784.8/23

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: 47.206+/-0.006 χ^2/NDF: 541300.3/45

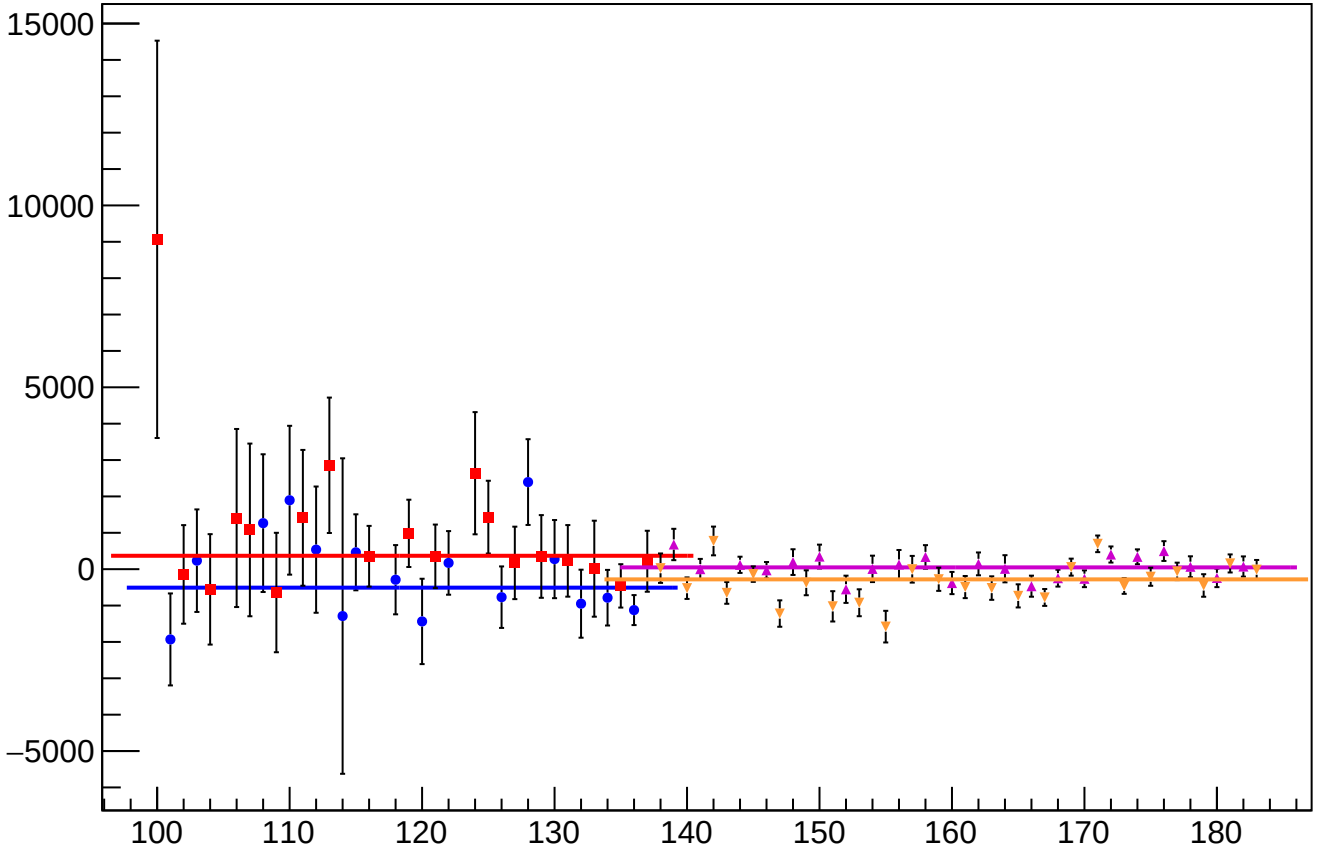
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.139+/-0.007 χ^2/NDF:2517973.1/37

Out: 50.147+/-0.007 χ^2/NDF:3020320.3/42

All: 50.143+/-0.005 χ^2/NDF: 5538294.0/80

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: -280.250+/-58.652 χ^2/NDF:66.9/23

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: -118.205+/-41.815 χ^2/NDF: 106.5/45

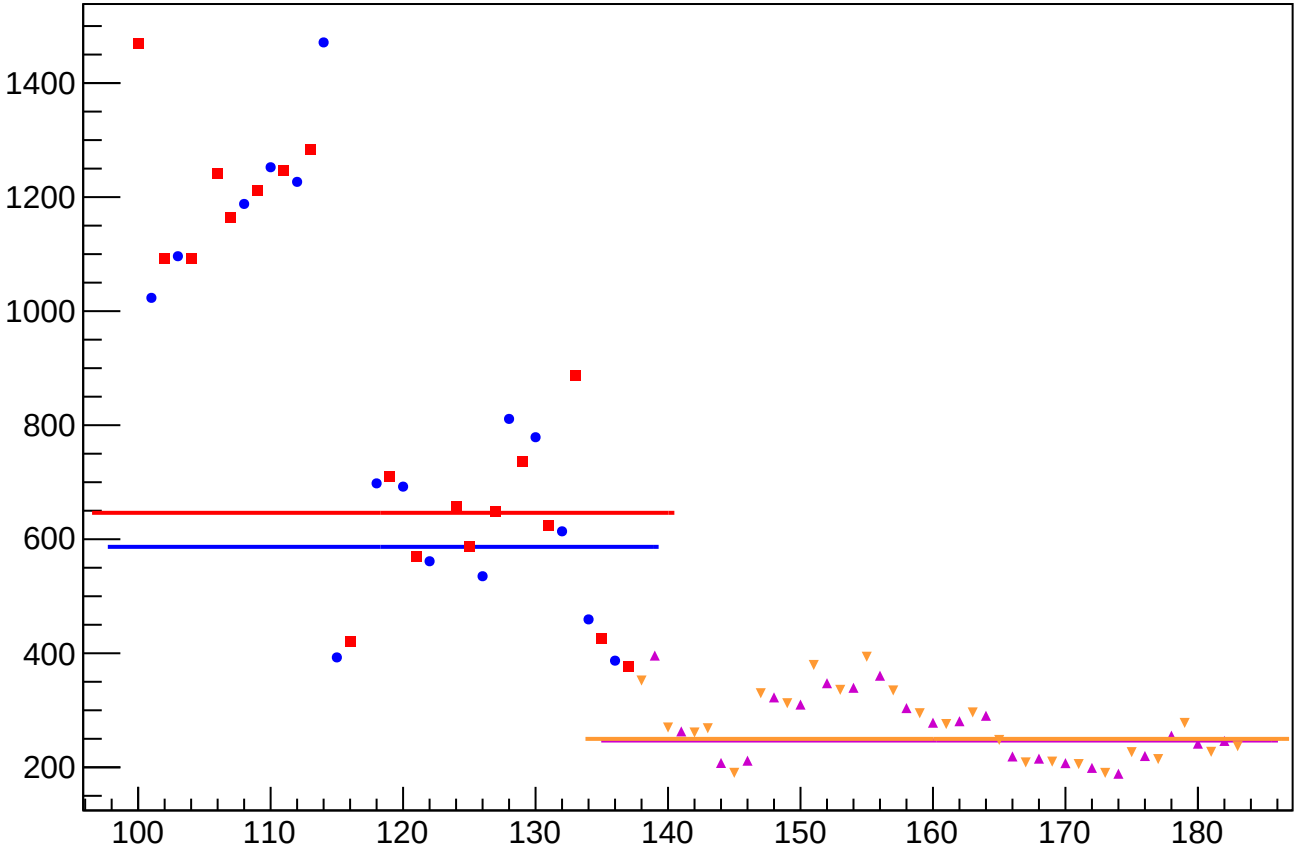
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 16.106+/-57.829 χ^2/NDF:45.0/37

Out: -248.030+/-57.177 χ^2/NDF:84.2/42

All: -117.459+/-40.659 χ^2/NDF: 139.8/80

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: 249.870+/-0.041 χ^2/NDF:1637233.3/23

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 246.955+/-0.042 χ^2/NDF:1483599.4/21

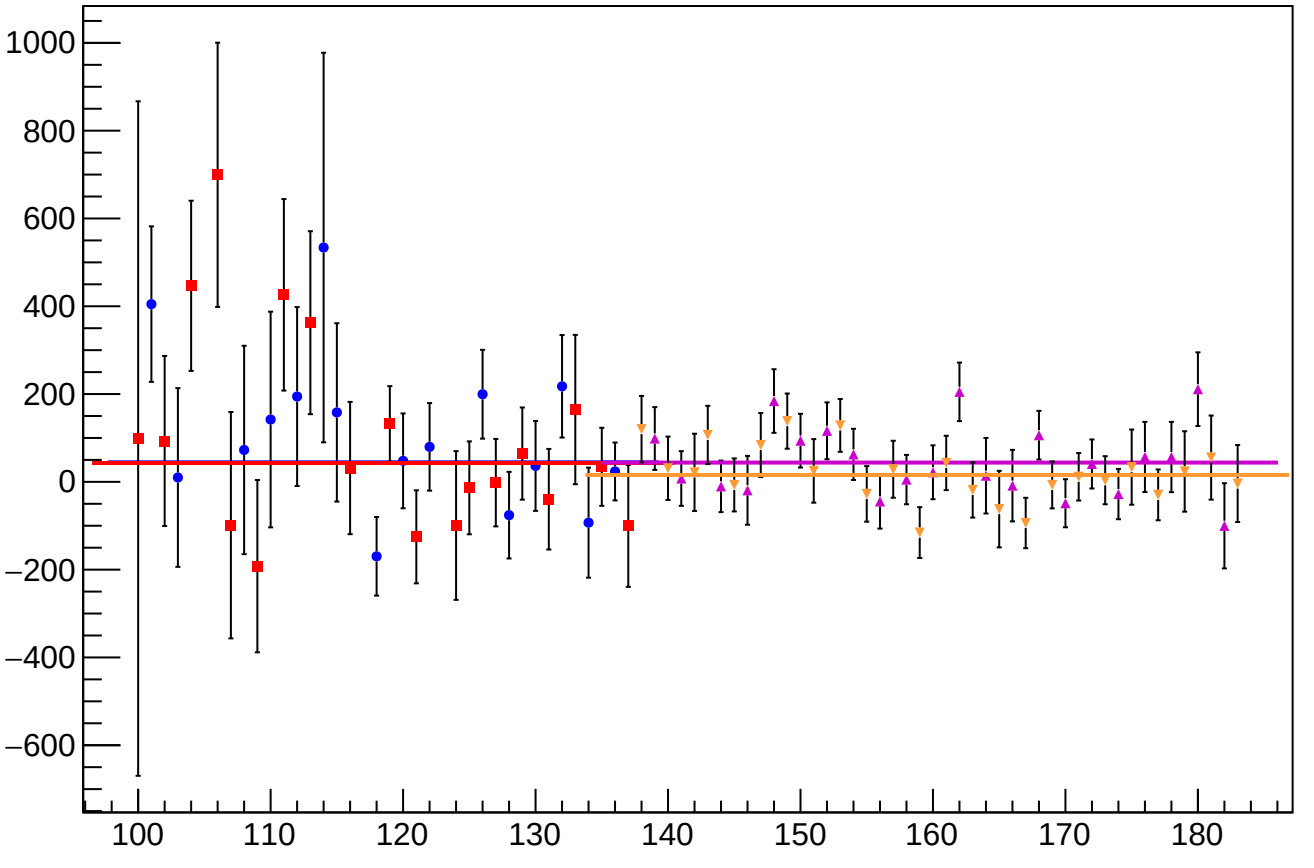
Left: 248.437+/-0.030 χ^2/NDF: 3123262.3/45

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 267.189+/-0.041 χ^2/NDF:7402470.9/37

Out: 269.565+/-0.040 χ^2/NDF:8239884.1/42

All: 268.390+/-0.029 χ^2/NDF: 15644062.7/80



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 15.675+/-13.534 χ^2/NDF:23.9/23

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 43.917+/-14.011 χ^2/NDF:29.1/21

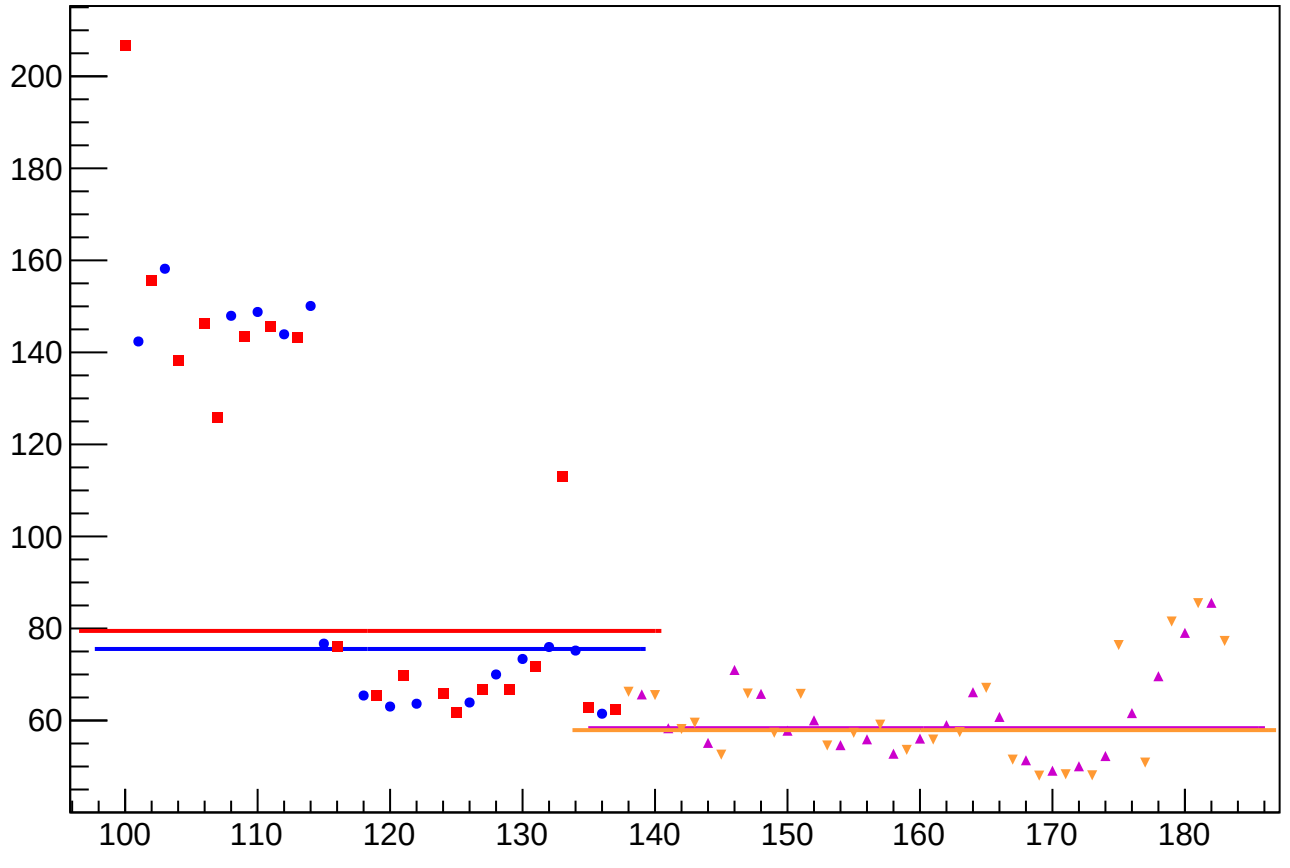
Left: 29.308+/-9.734 χ^2/NDF: 55.1/45

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 44.002+/-12.688 χ^2/NDF:48.7/37

Out: 19.976+/-12.419 χ^2/NDF:47.8/42

All: 31.732+/-8.875 χ^2/NDF: 98.4/80



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 57.905+/-0.010 χ^2/NDF:893532.5/23

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: 58.112+/-0.007 χ^2/NDF: 1525554.8/45

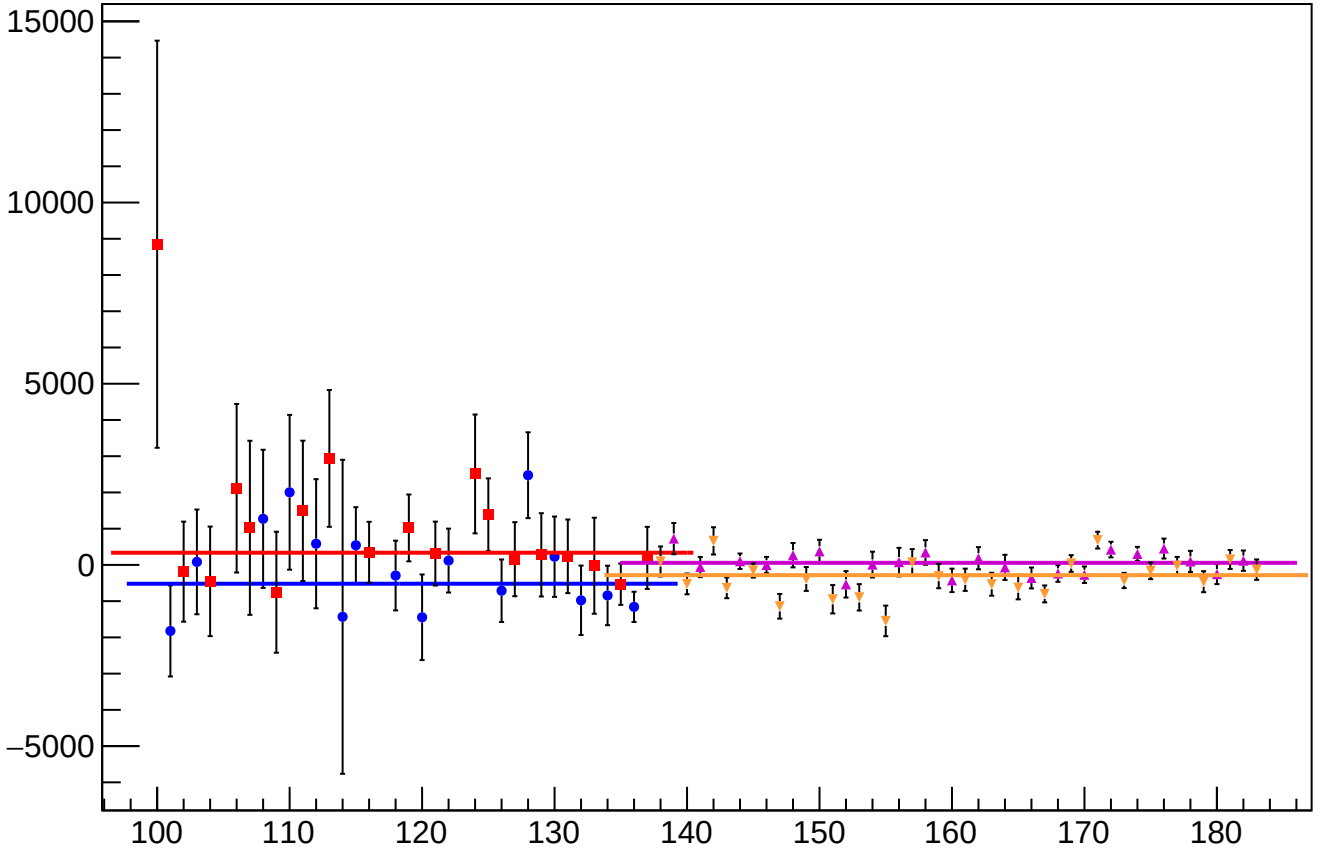
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 61.431+/-0.009 χ^2/NDF:2639663.6/37

Out: 61.310+/-0.009 χ^2/NDF:3378925.6/42

All: 61.370+/-0.006 χ^2/NDF: 6018681.9/80

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -282.927+/-57.683 χ^2/NDF:63.5/23

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 57.600+/-59.122 χ^2/NDF:23.6/21

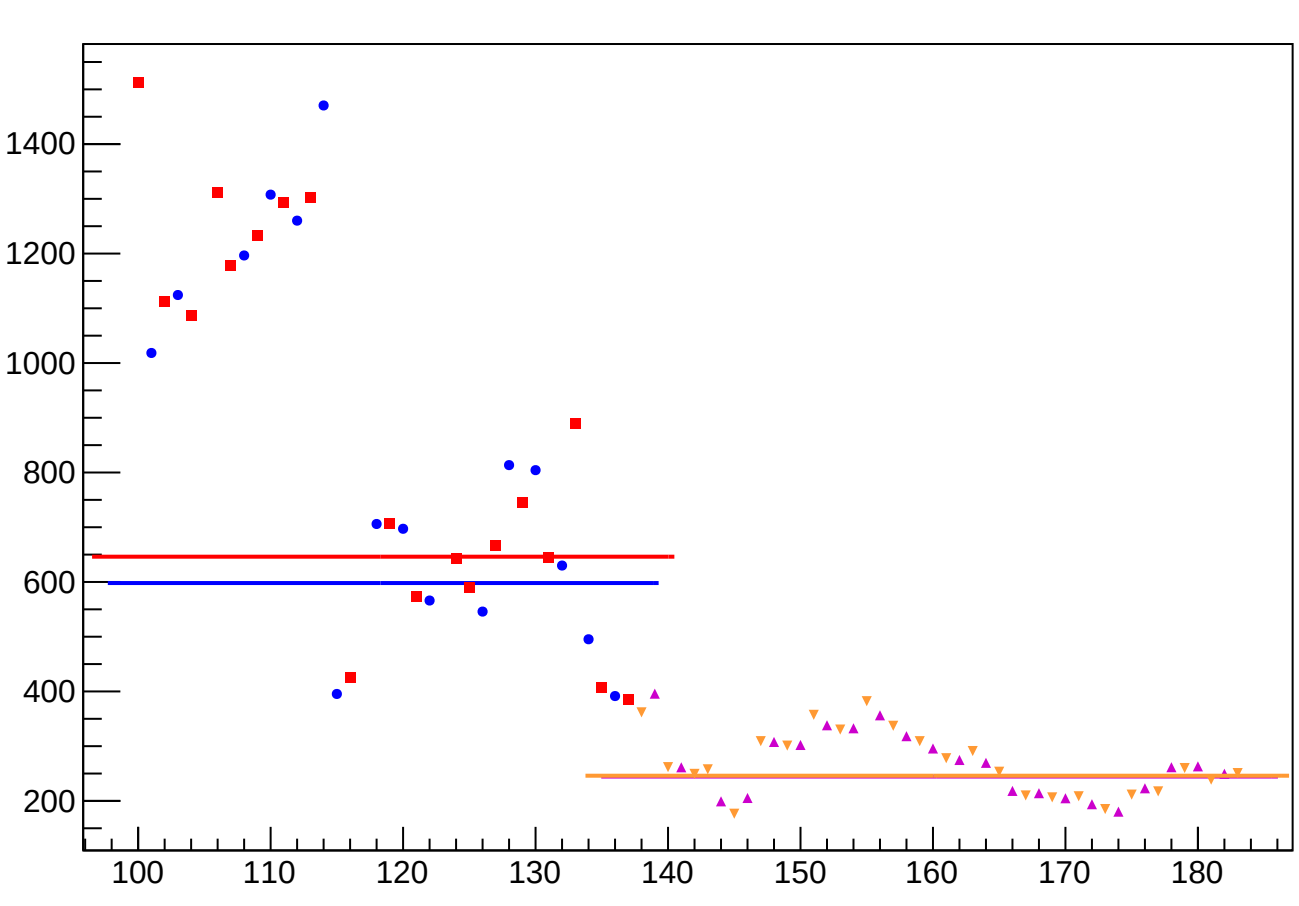
Left: -116.856+/-41.287 χ^2/NDF: 104.1/45

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: 24.936+/-57.423 χ^2/NDF:44.8/37

Out: -253.123+/-56.279 χ^2/NDF:80.9/42

All: -116.892+/-40.194 χ^2/NDF: 137.7/80



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 246.029+/-0.041 χ^2/NDF:1680558.1/23

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 244.449+/-0.042 χ^2/NDF:1596988.0/21

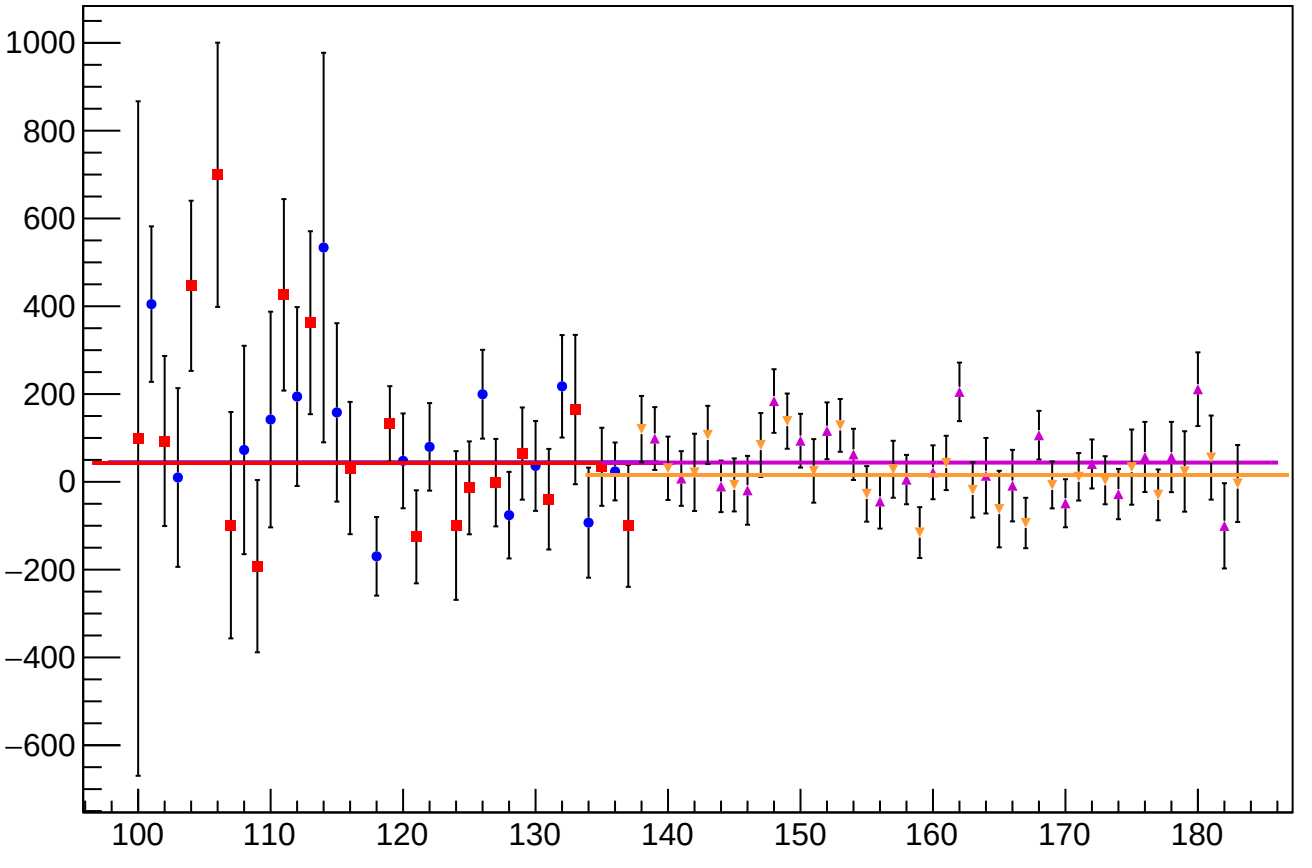
Left: 245.259+/-0.029 χ^2/NDF: 3278278.0/45

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 264.471+/-0.041 χ^2/NDF:7695717.8/37

Out: 265.276+/-0.040 χ^2/NDF:8515324.1/42

All: 264.882+/-0.028 χ^2/NDF: 16211242.2/80



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 15.674+/-13.534 χ^2/NDF:23.9/23

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 43.917+/-14.011 χ^2/NDF:29.1/21

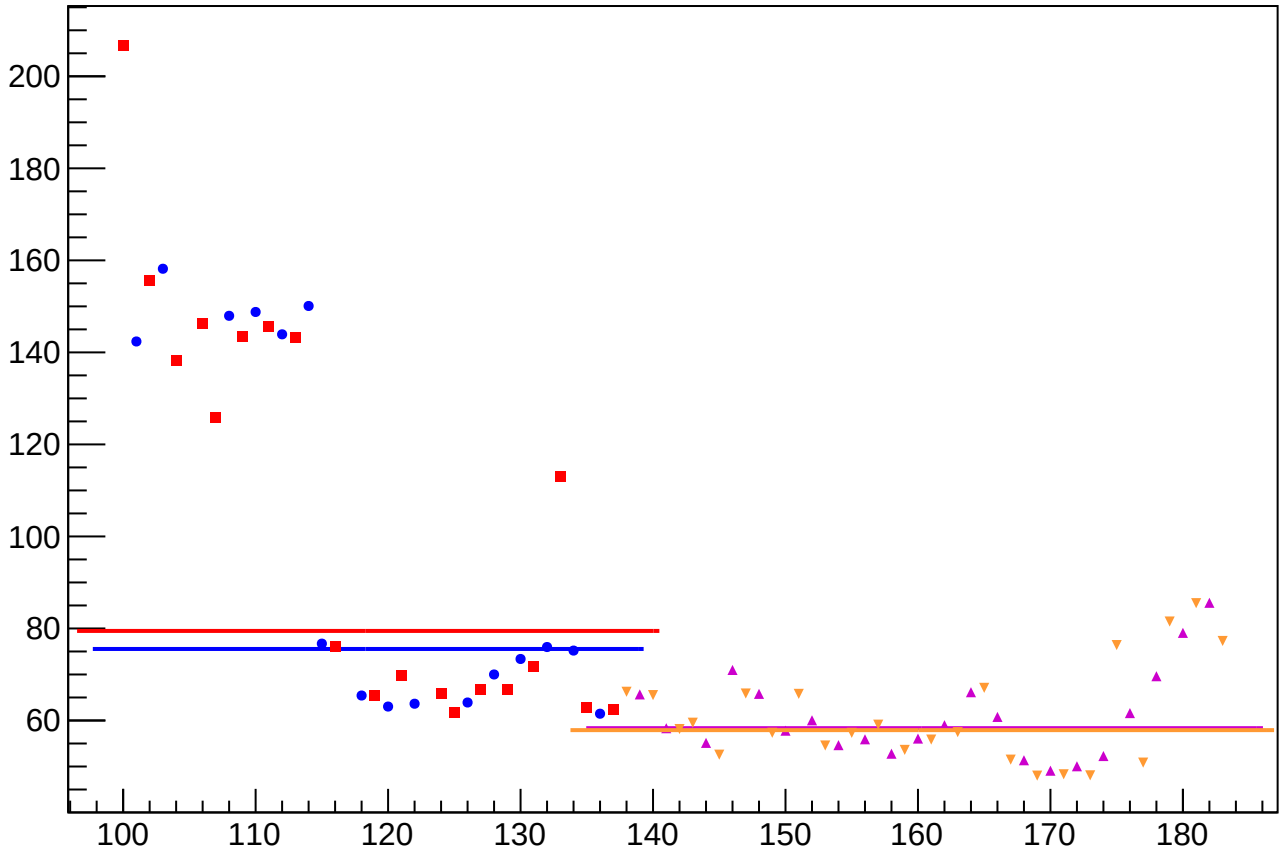
Left: 29.307+/-9.734 χ^2/NDF: 55.1/45

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 44.002+/-12.688 χ^2/NDF:48.7/37

Out: 19.975+/-12.419 χ^2/NDF:47.8/42

All: 31.732+/-8.875 χ^2/NDF: 98.4/80



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 57.905+/-0.010 χ^2/NDF:893537.6/23

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: 58.112+/-0.007 χ^2/NDF: 1525552.7/45

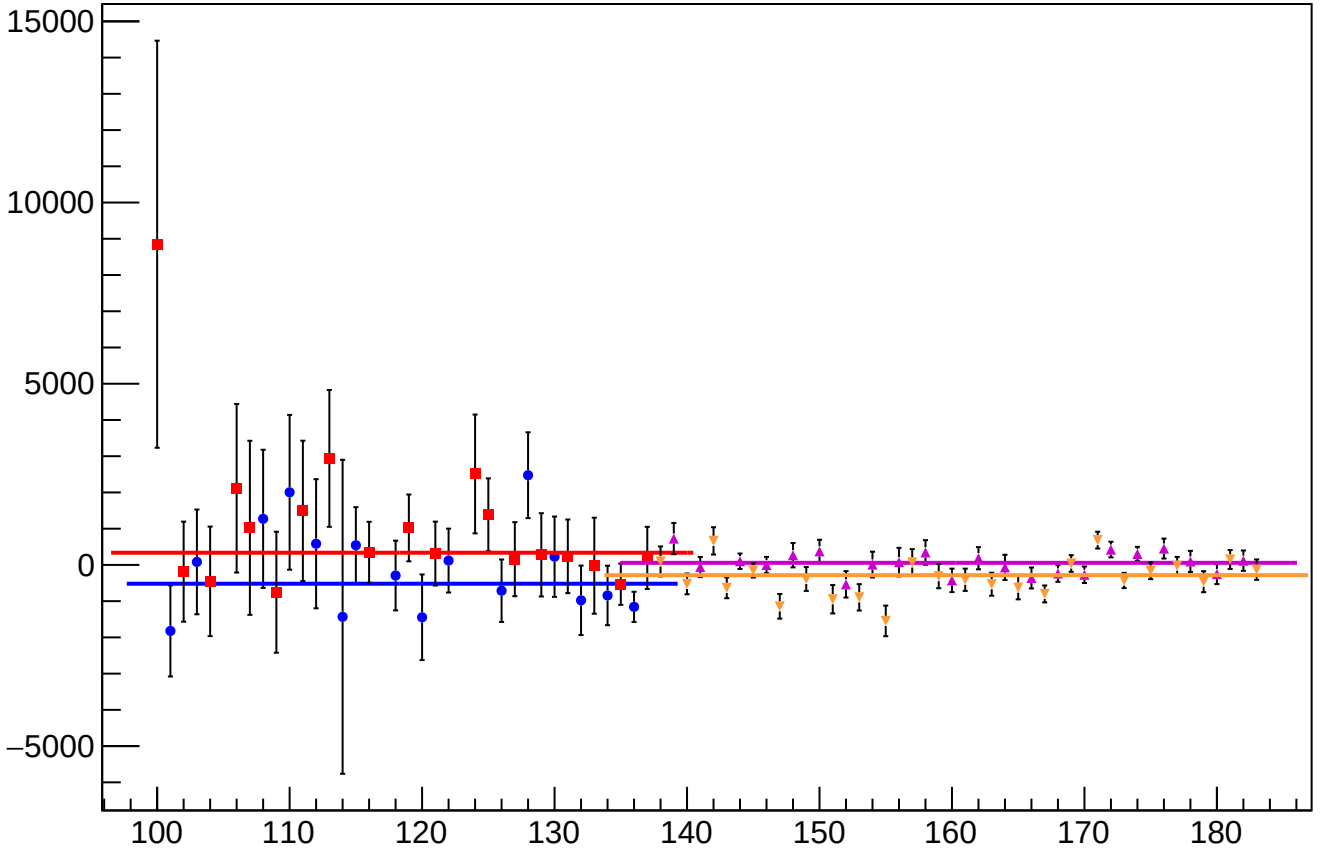
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 61.431+/-0.009 χ^2/NDF:2639614.4/37

Out: 61.310+/-0.009 χ^2/NDF:3378900.3/42

All: 61.370+/-0.006 χ^2/NDF: 6018607.4/80

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: -282.926+/-57.683 χ^2/NDF:63.5/23

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: -116.856+/-41.287 χ^2/NDF: 104.1/45

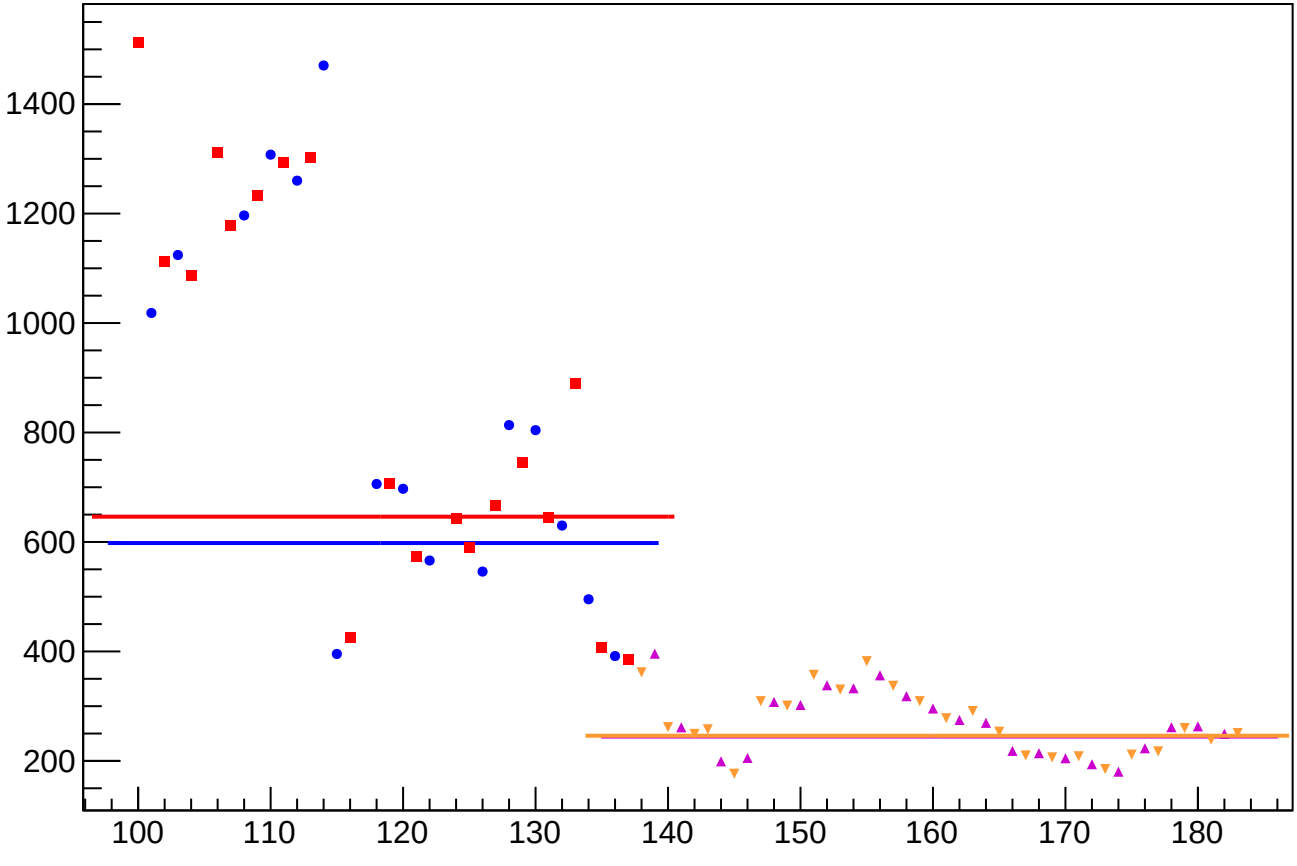
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: 24.936+/-57.423 χ^2/NDF:44.8/37

Out: -253.122+/-56.279 χ^2/NDF:80.9/42

All: -116.892+/-40.194 χ^2/NDF: 137.7/80

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: 246.029+/-0.041 χ^2/NDF:1680559.1/23

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 244.449+/-0.042 χ^2/NDF:1596977.8/21

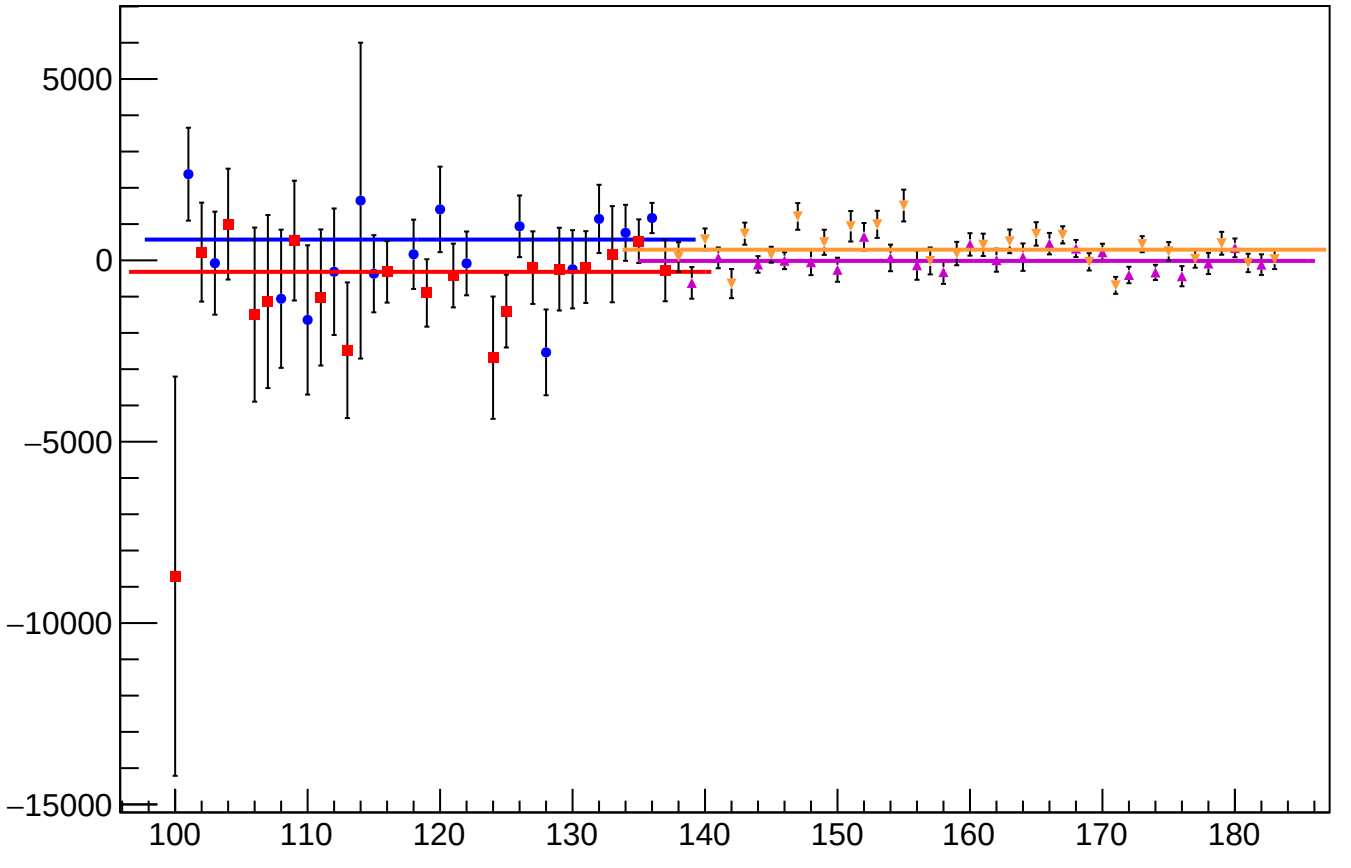
Left: 245.258+/-0.029 χ^2/NDF: 3278268.7/45

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 264.471+/-0.041 χ^2/NDF:7695696.2/37

Out: 265.276+/-0.040 χ^2/NDF:8515321.2/42

All: 264.881+/-0.028 χ^2/NDF: 16211217.6/80



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 294.517+/-59.778 χ^2/NDF:60.0/23

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: 142.329+/-42.638 χ^2/NDF: 97.6/45

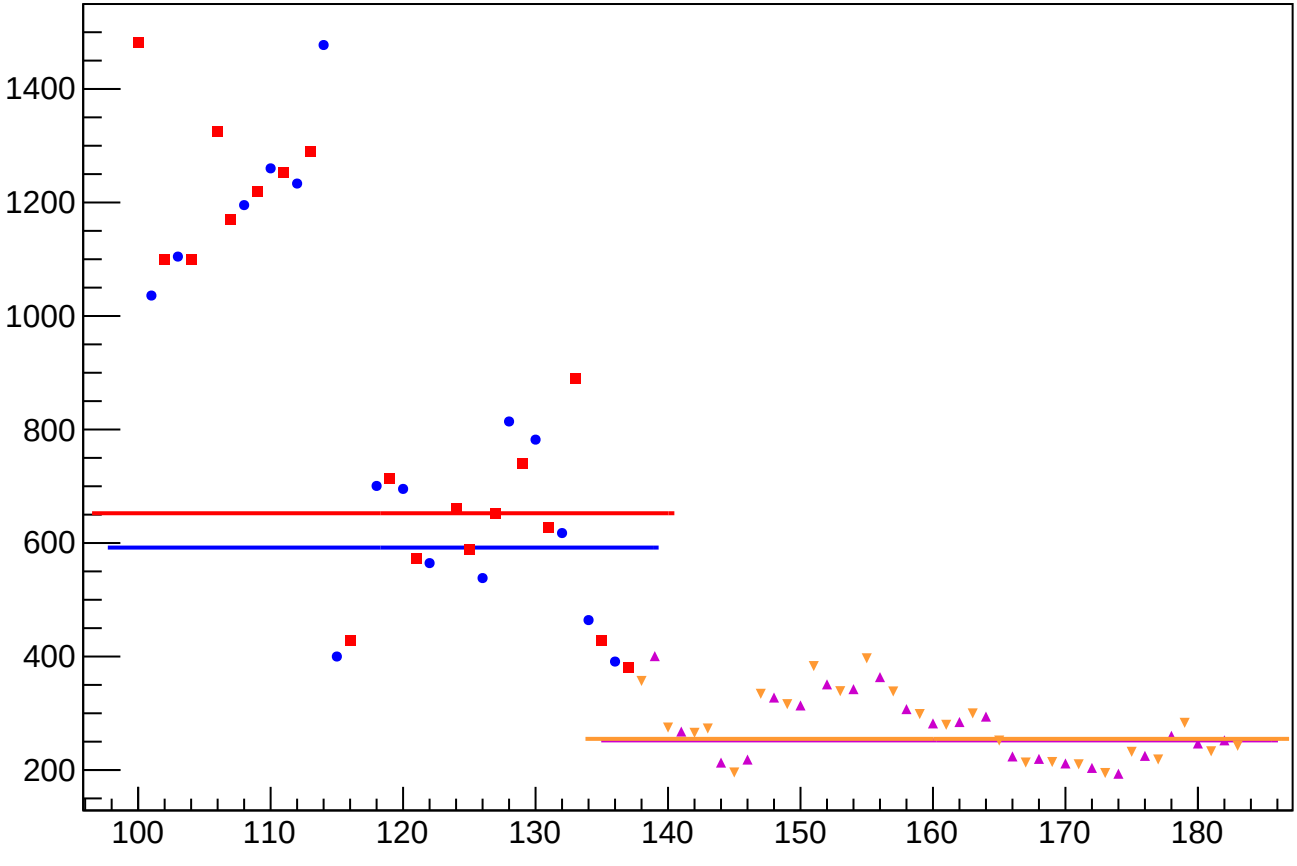
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 20.552+/-58.954 χ^2/NDF:46.7/37

Out: 263.425+/-58.238 χ^2/NDF:76.4/42

All: 143.472+/-41.431 χ^2/NDF: 131.6/80

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 254.938+/-0.042 χ^2/NDF:1564869.8/23

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 252.225+/-0.043 χ^2/NDF:1411229.9/21

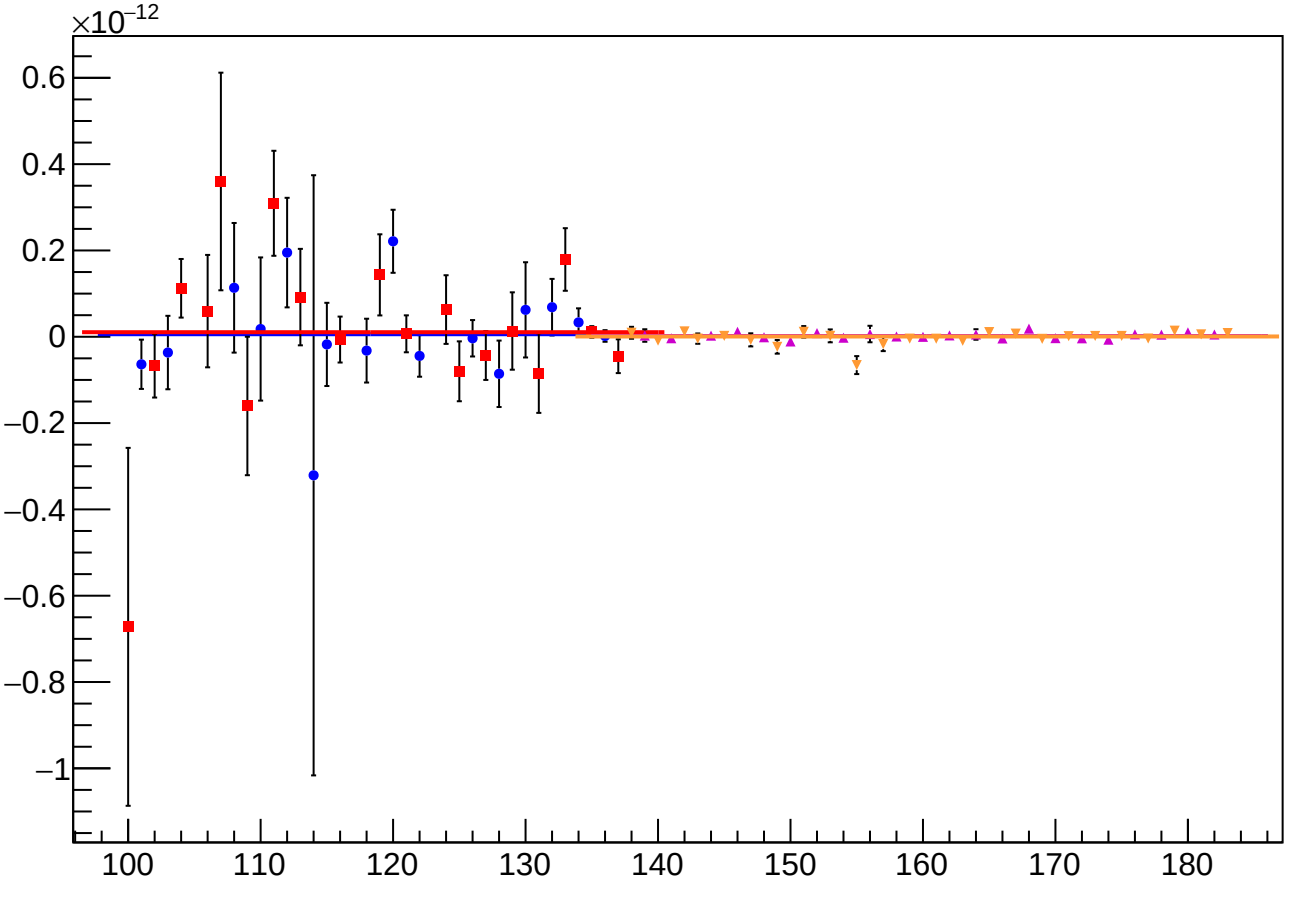
Left: 253.605+/-0.030 χ^2/NDF: 2978123.0/45

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 272.911+/-0.042 χ^2/NDF:7244938.7/37

Out: 275.155+/-0.041 χ^2/NDF:8153060.2/42

All: 274.047+/-0.029 χ^2/NDF: 15399466.1/80



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.7/21

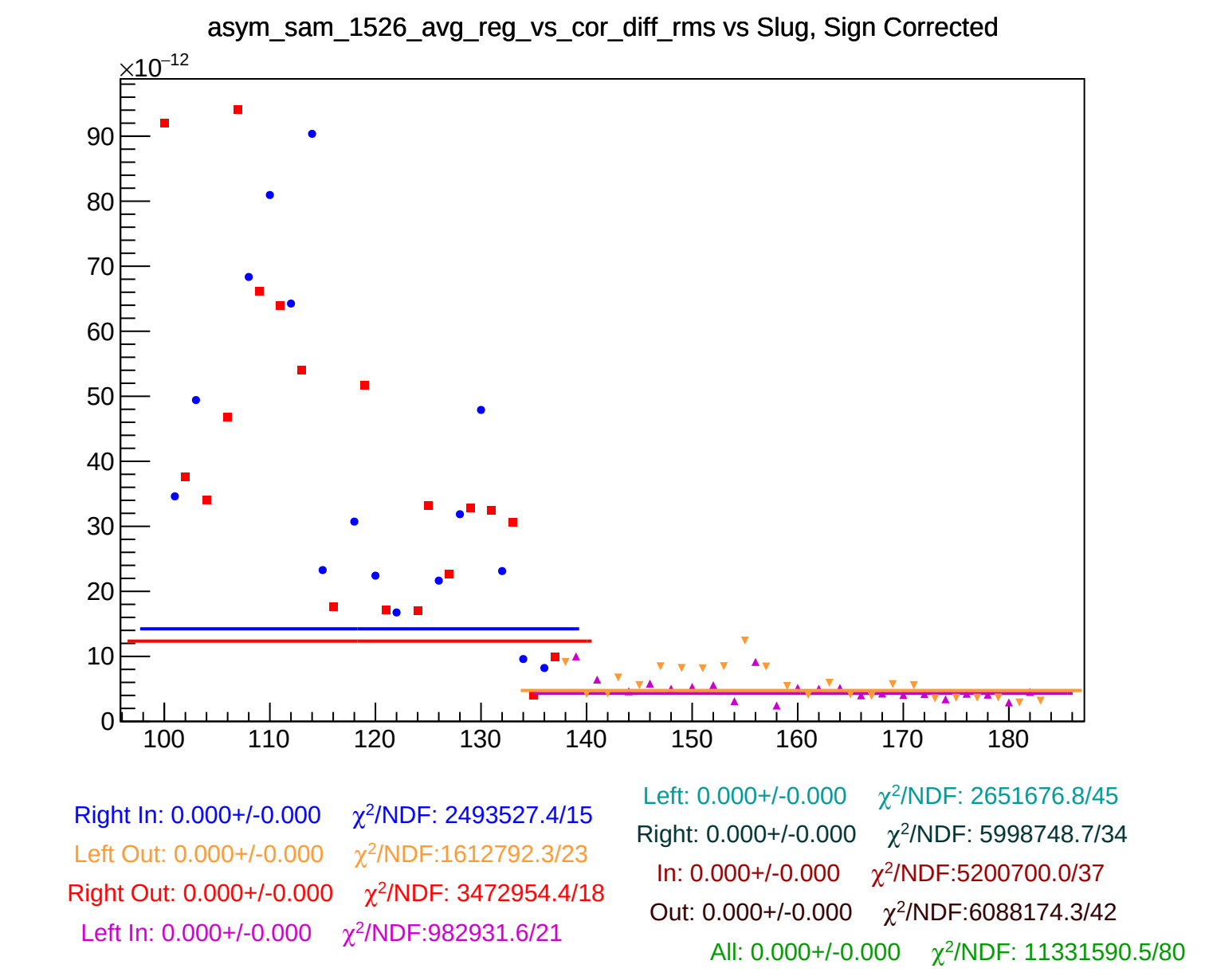
Left: 0.000+/-0.000 χ^2/NDF: 39.2/45

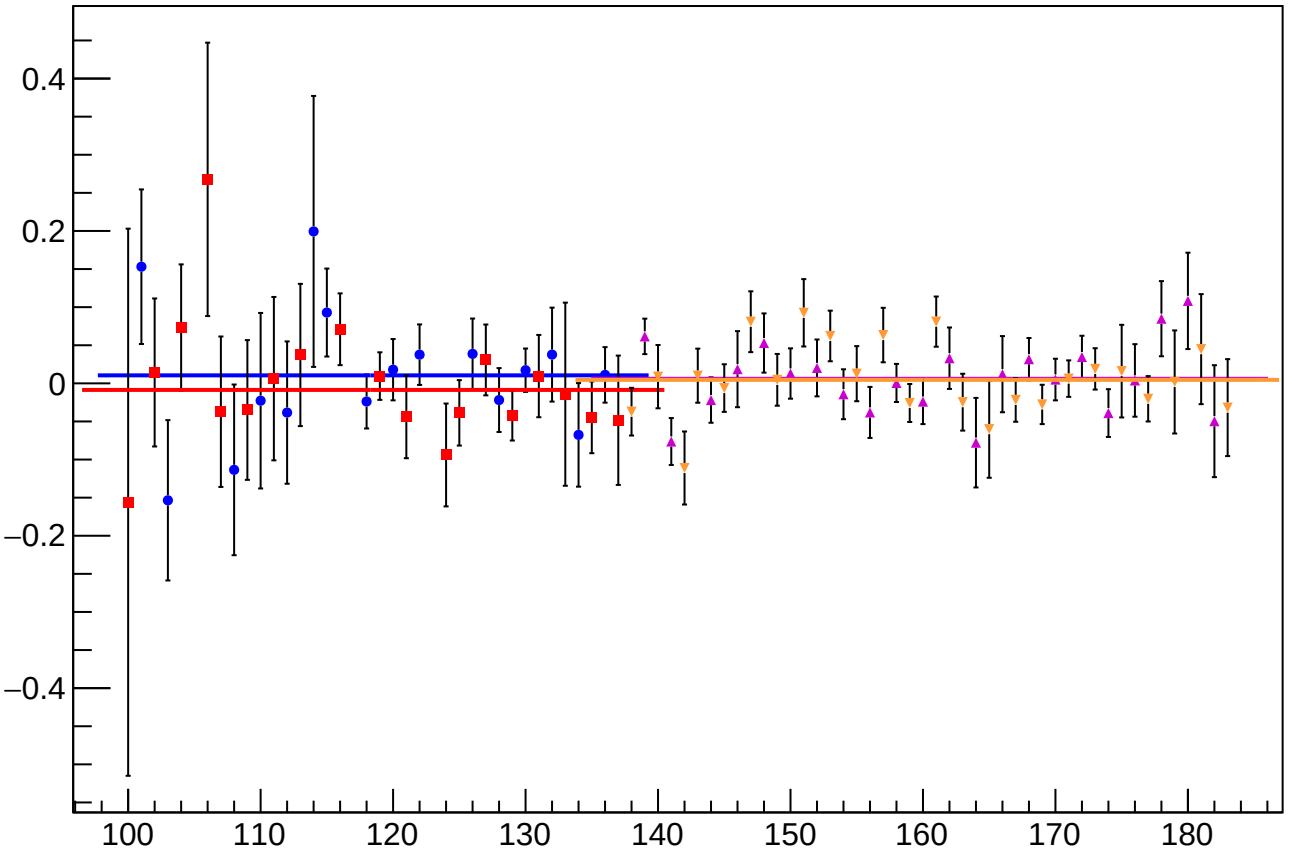
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:32.1/37

Out: 0.000+/-0.000 χ^2/NDF:55.6/42

All: 0.000+/-0.000 χ^2/NDF: 87.8/80


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:1612792.3/23
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: 2651676.8/45
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:6088174.3/42
All: 0.000+/-0.000 χ²/NDF: 11331590.5/80



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.7/23

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.006+/-0.007 χ^2/NDF:30.8/21

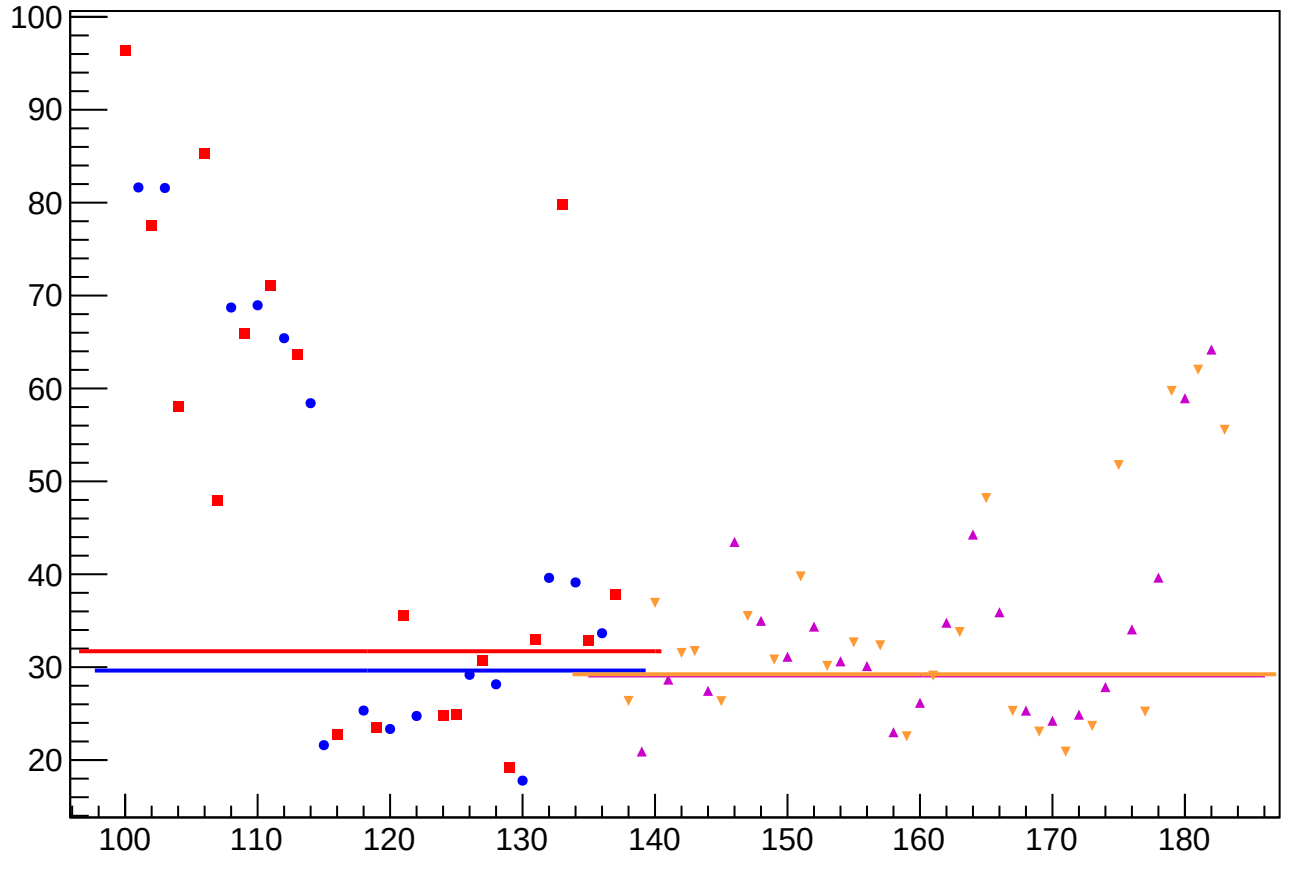
Left: 0.005+/-0.005 χ^2/NDF: 64.6/45

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:46.9/42

All: 0.004+/-0.004 χ^2/NDF: 91.4/80



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.234+/-0.005 χ^2/NDF:2618791.9/23

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.108+/-0.005 χ^2/NDF:2031779.3/21

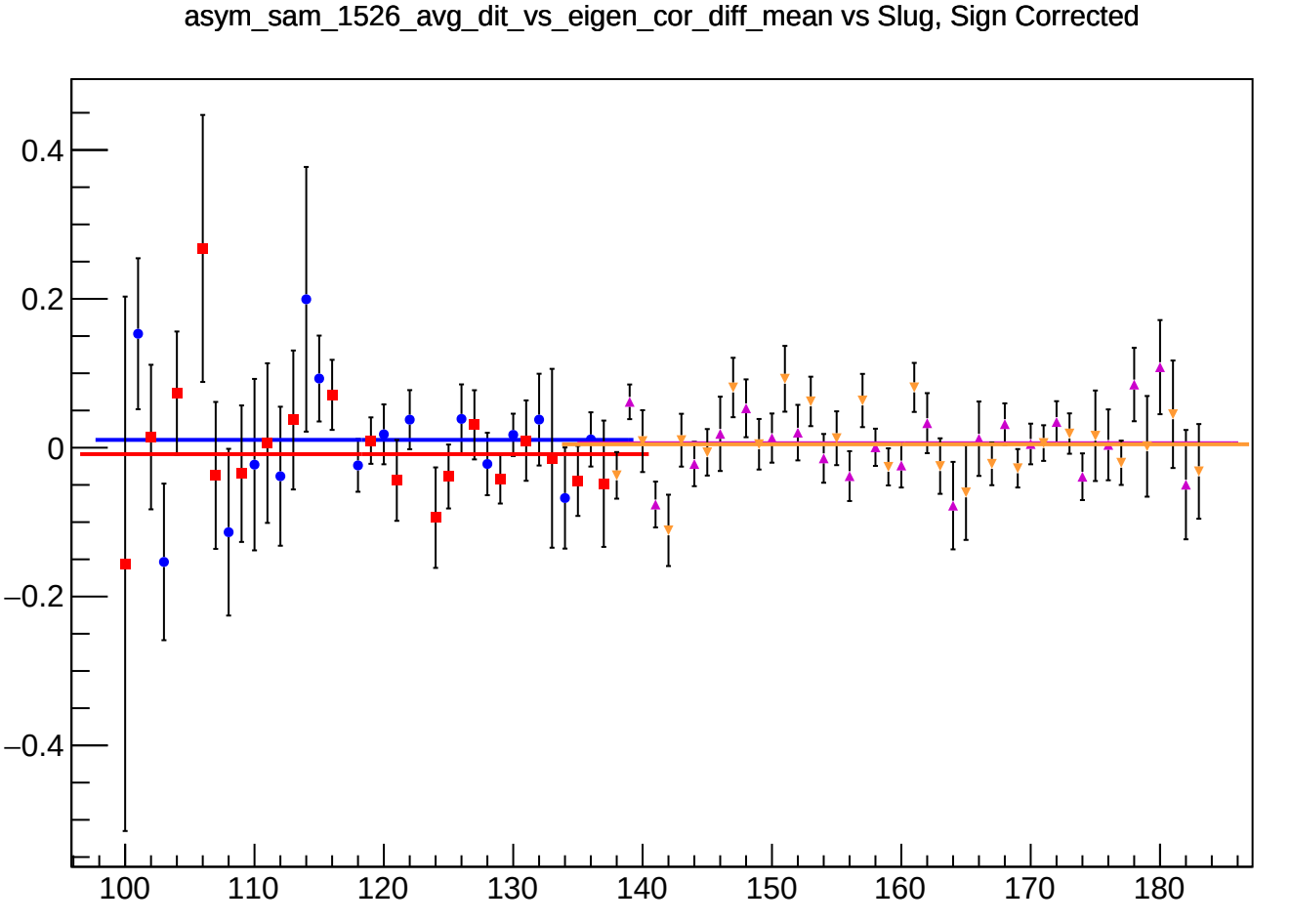
Left: 29.172+/-0.004 χ^2/NDF: 4650877.2/45

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.241+/-0.004 χ^2/NDF:4482880.2/37

Out: 29.791+/-0.004 χ^2/NDF:5324587.0/42

All: 29.517+/-0.003 χ^2/NDF: 9815116.2/80



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.7/23

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.006+/-0.007 χ^2/NDF:30.8/21

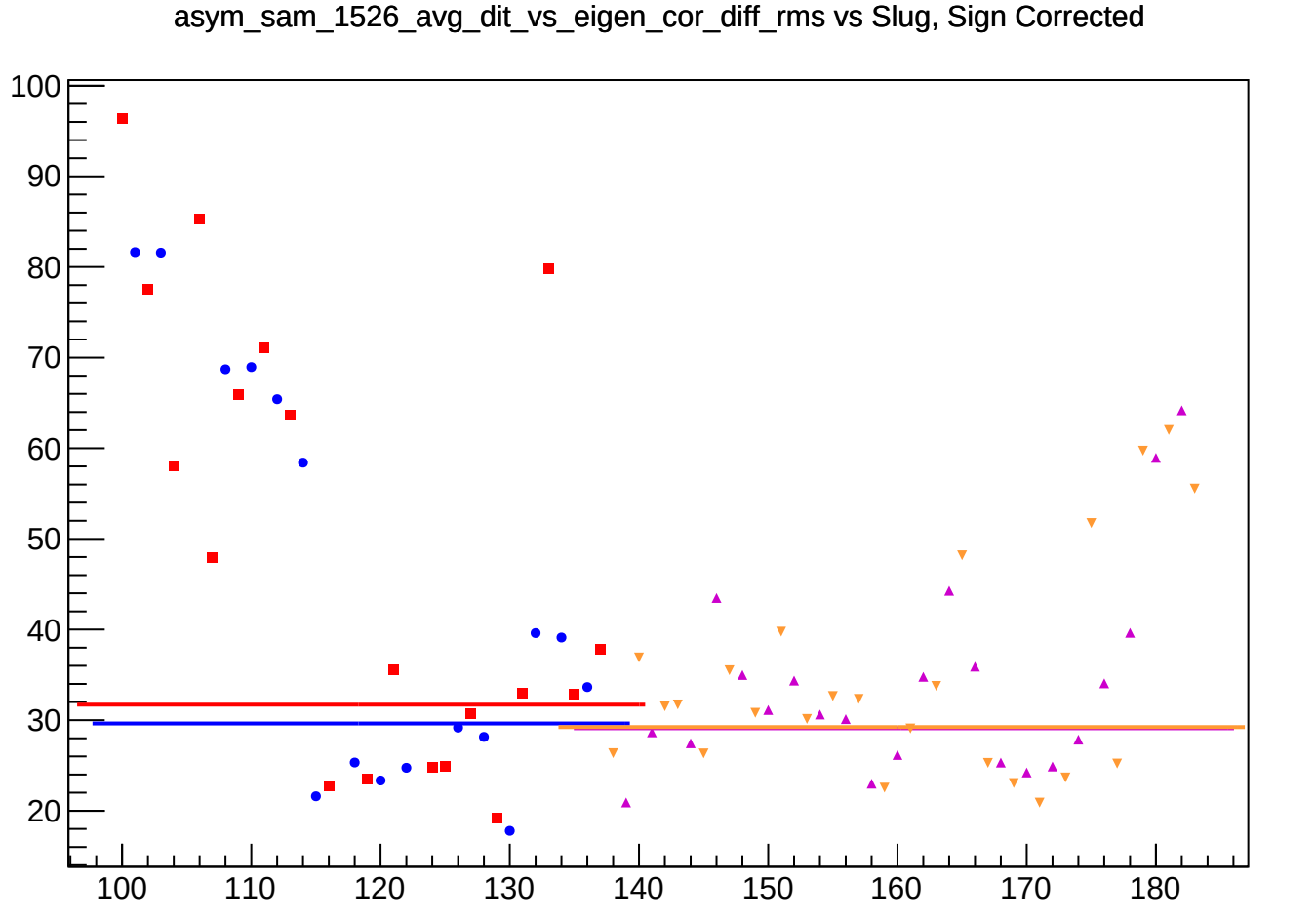
Left: 0.005+/-0.005 χ^2/NDF: 64.6/45

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:46.9/42

All: 0.004+/-0.004 χ^2/NDF: 91.4/80



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.234+/-0.005 χ^2/NDF:2618791.9/23

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.108+/-0.005 χ^2/NDF:2031779.3/21

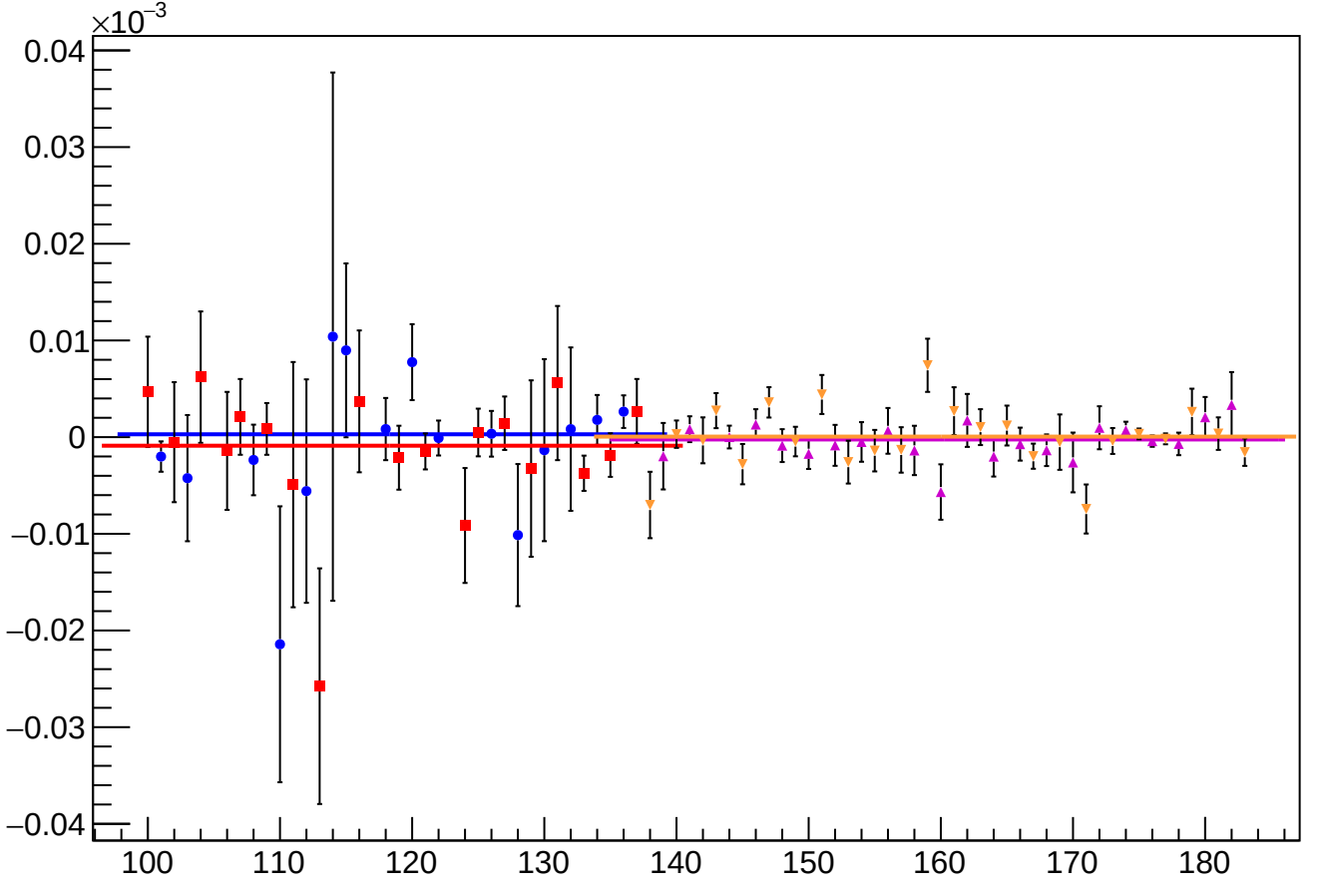
Left: 29.172+/-0.004 χ^2/NDF: 4650877.2/45

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.241+/-0.004 χ^2/NDF:4482880.2/37

Out: 29.791+/-0.004 χ^2/NDF:5324587.0/42

All: 29.517+/-0.003 χ^2/NDF: 9815116.2/80



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.3/21

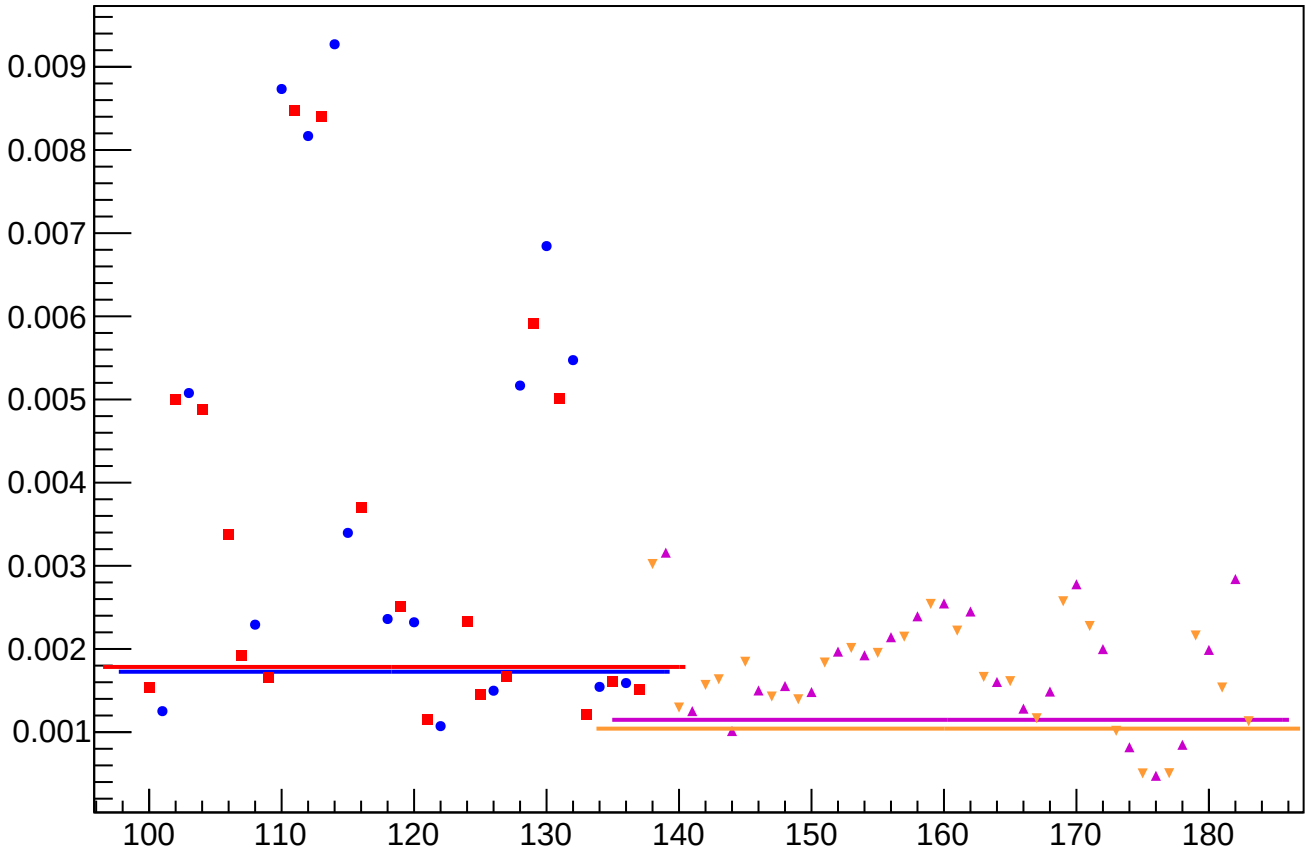
Left: -0.000+/-0.000 χ^2/NDF: 57.3/45

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:60.2/42

All: -0.000+/-0.000 χ^2/NDF: 88.8/80



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9823816.2/23

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:8275333.5/21

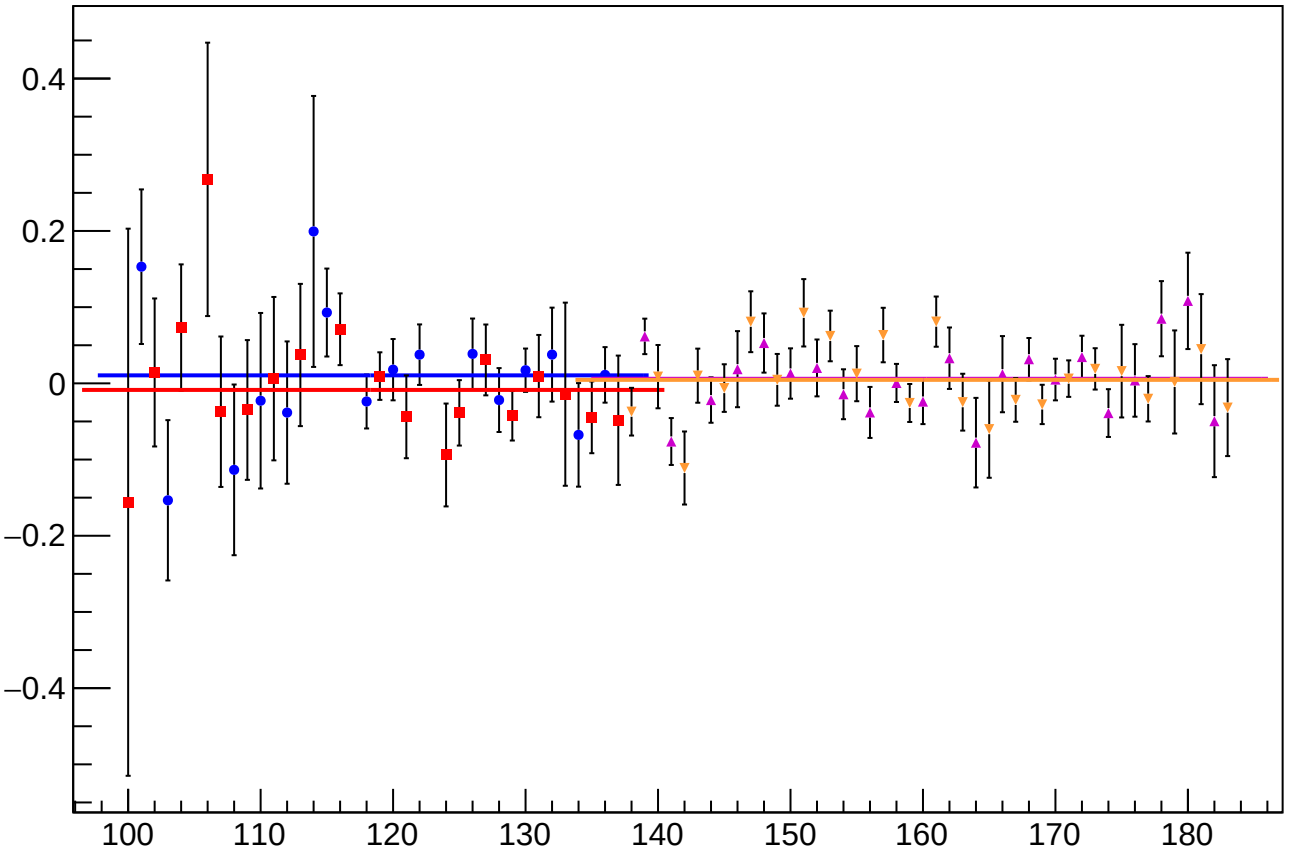
Left: 0.001+/-0.000 χ^2/NDF: 18224576.1/45

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:15156084.5/42

All: 0.001+/-0.000 χ^2/NDF: 28486016.5/80



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.7/23

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: 0.005+/-0.005 χ^2/NDF: 64.6/45

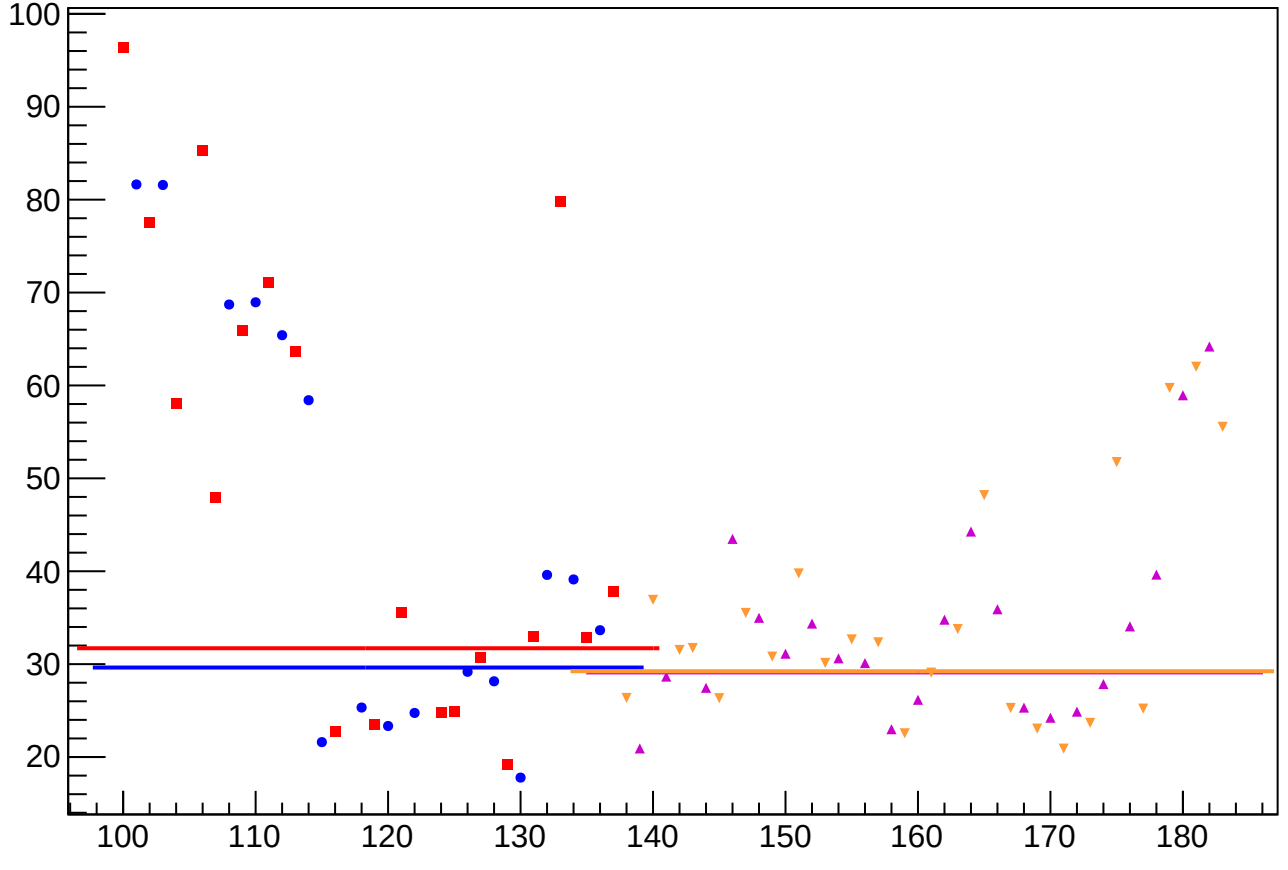
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:44.1/37

Out: 0.002+/-0.006 χ^2/NDF:46.9/42

All: 0.004+/-0.004 χ^2/NDF: 91.4/80

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.234+/-0.005 χ^2/NDF:2618831.2/23

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.108+/-0.005 χ^2/NDF:2031747.5/21

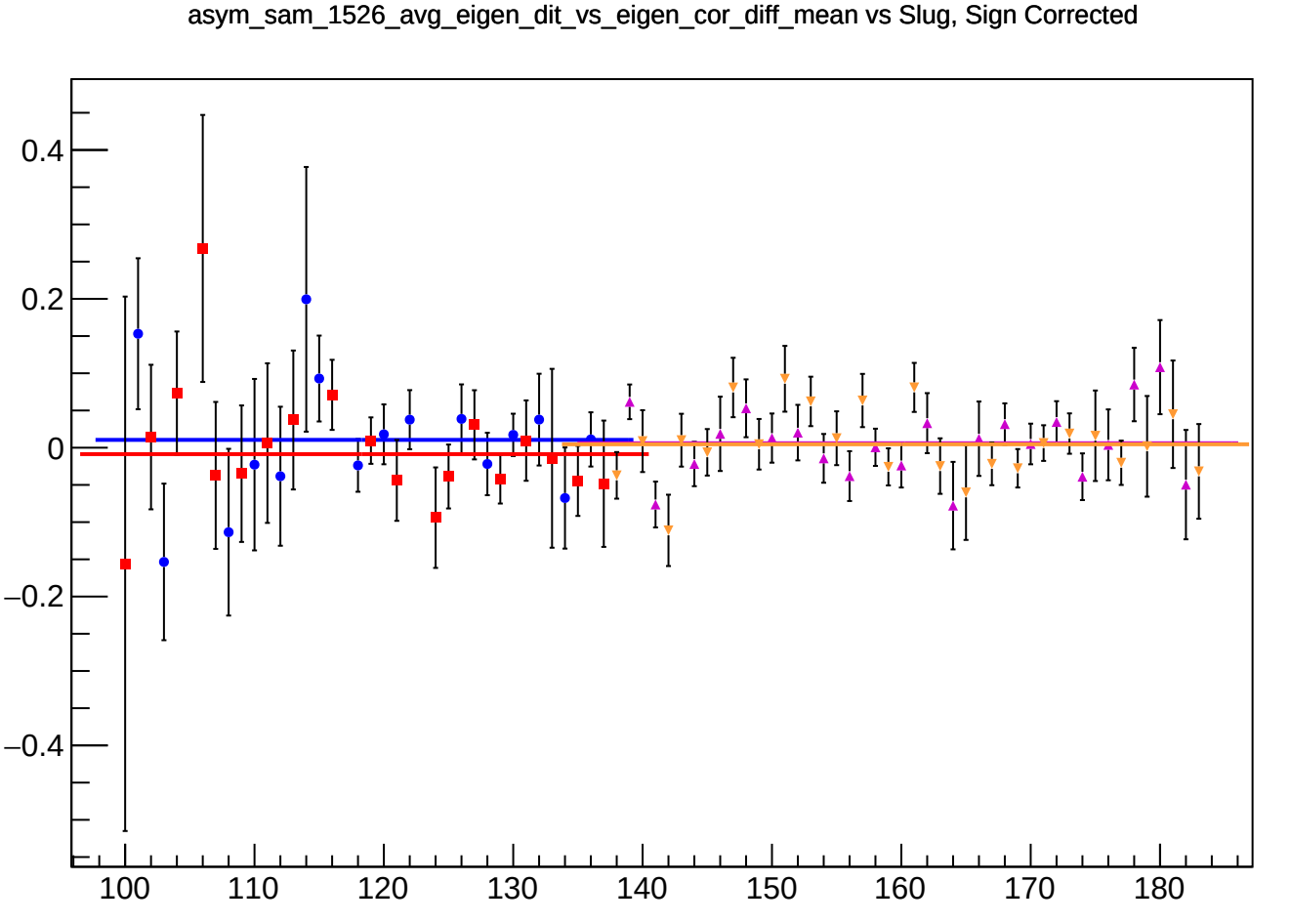
Left: 29.172+/-0.004 χ^2/NDF: 4650883.8/45

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 29.241+/-0.004 χ^2/NDF:4483034.8/37

Out: 29.791+/-0.004 χ^2/NDF:5324733.9/42

All: 29.517+/-0.003 χ^2/NDF: 9815414.7/80



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.7/23

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.006+/-0.007 χ^2/NDF:30.8/21

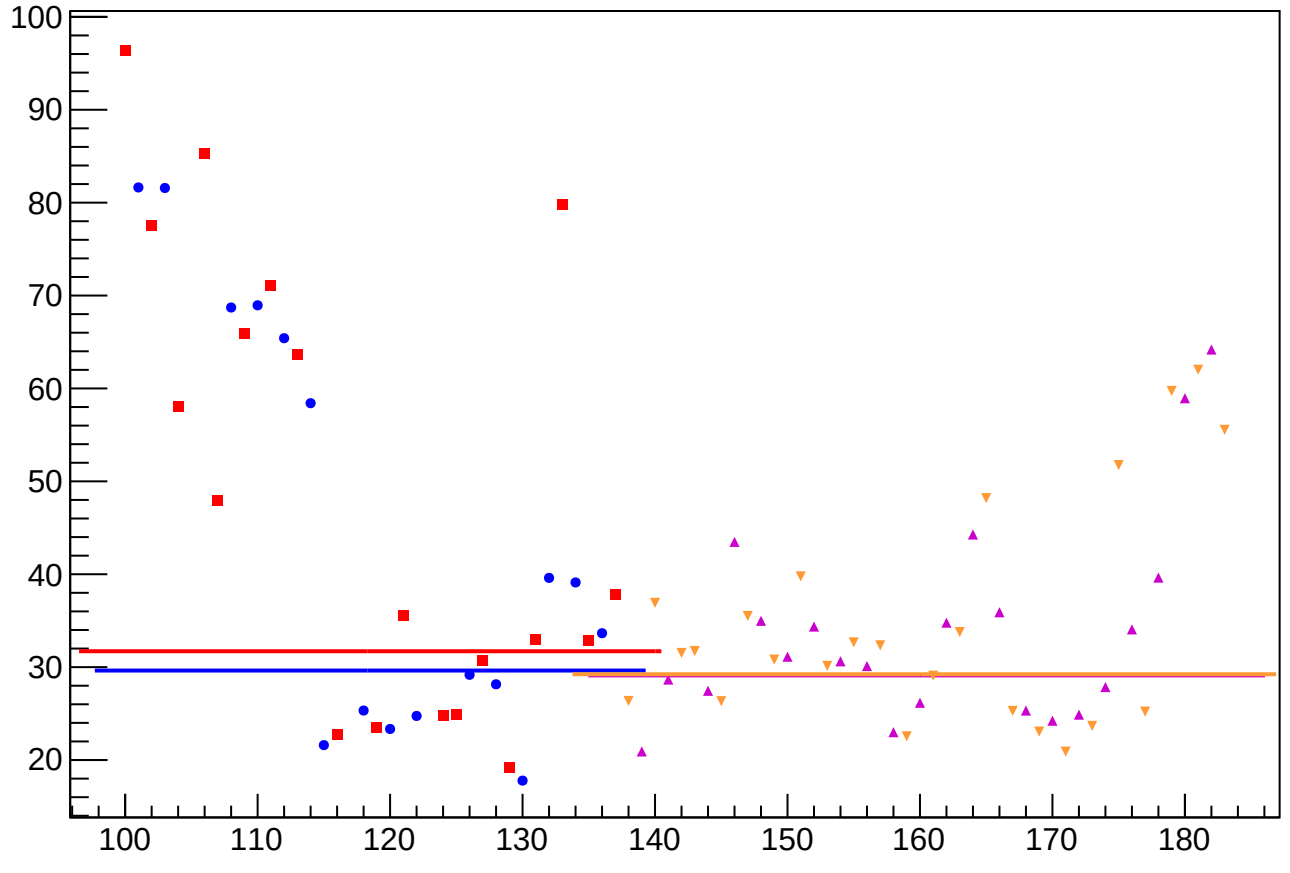
Left: 0.005+/-0.005 χ^2/NDF: 64.6/45

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:46.9/42

All: 0.004+/-0.004 χ^2/NDF: 91.4/80



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.234+/-0.005 χ^2/NDF:2618831.2/23

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.108+/-0.005 χ^2/NDF:2031747.5/21

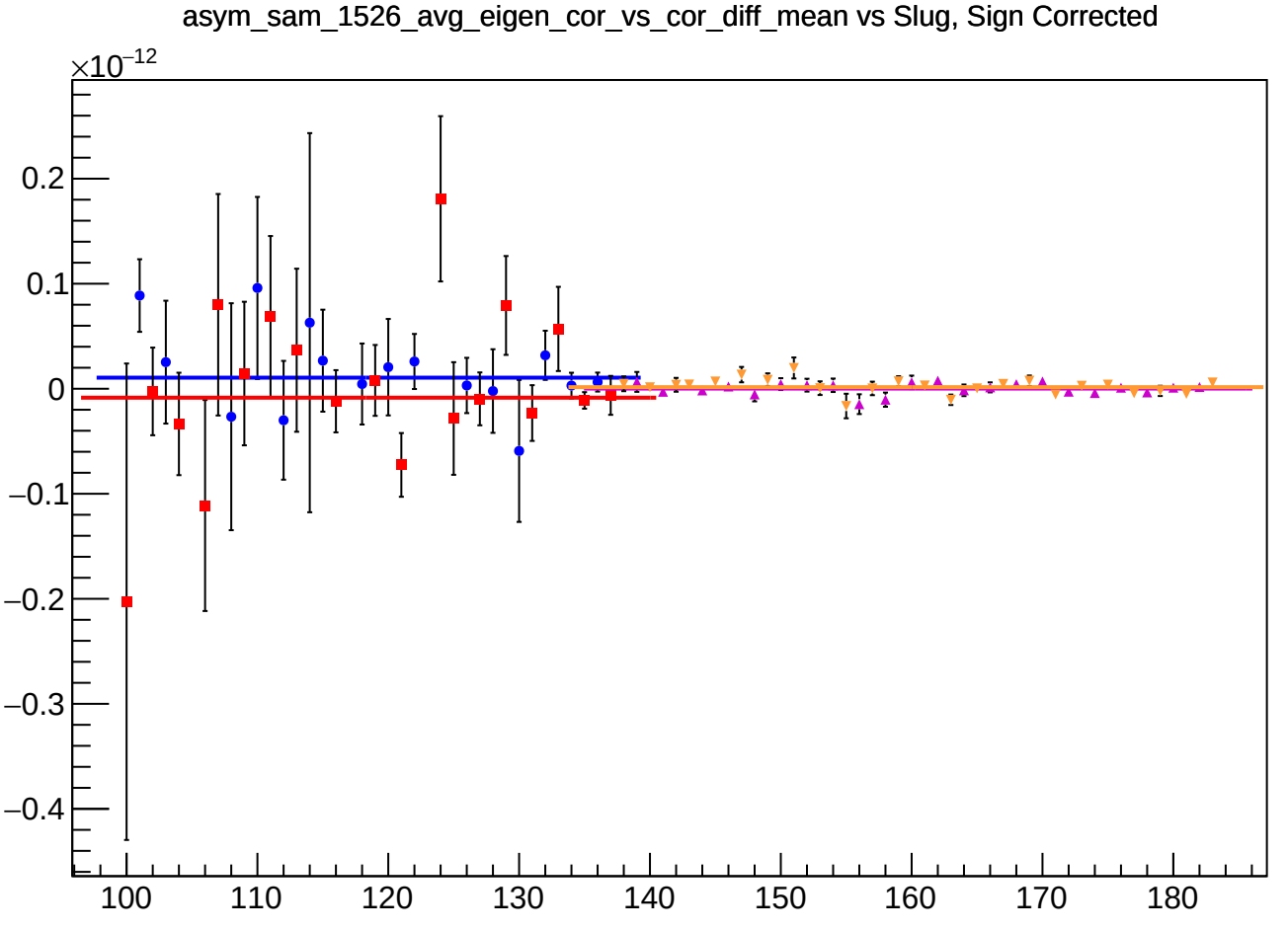
Left: 29.172+/-0.004 χ^2/NDF: 4650883.8/45

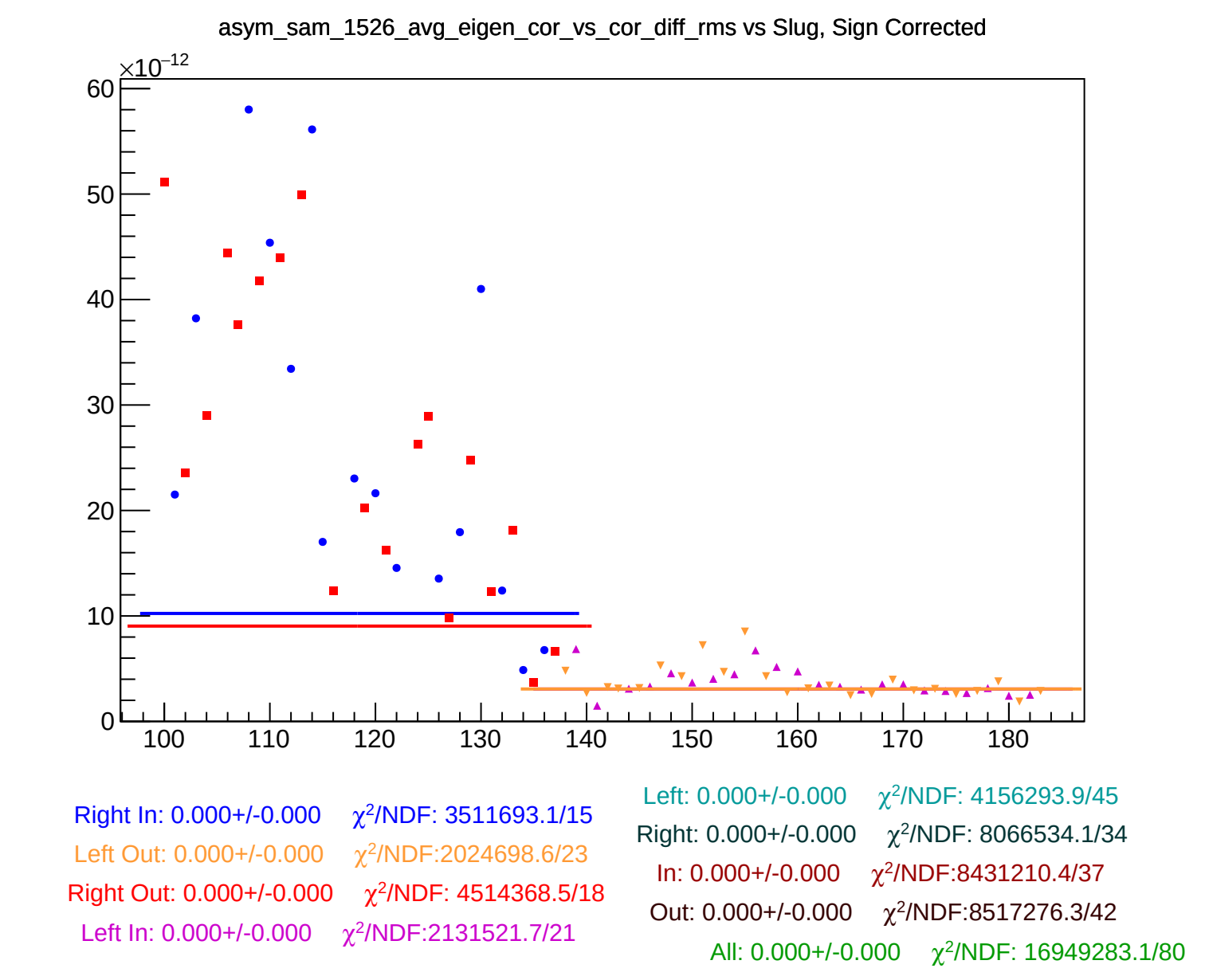
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

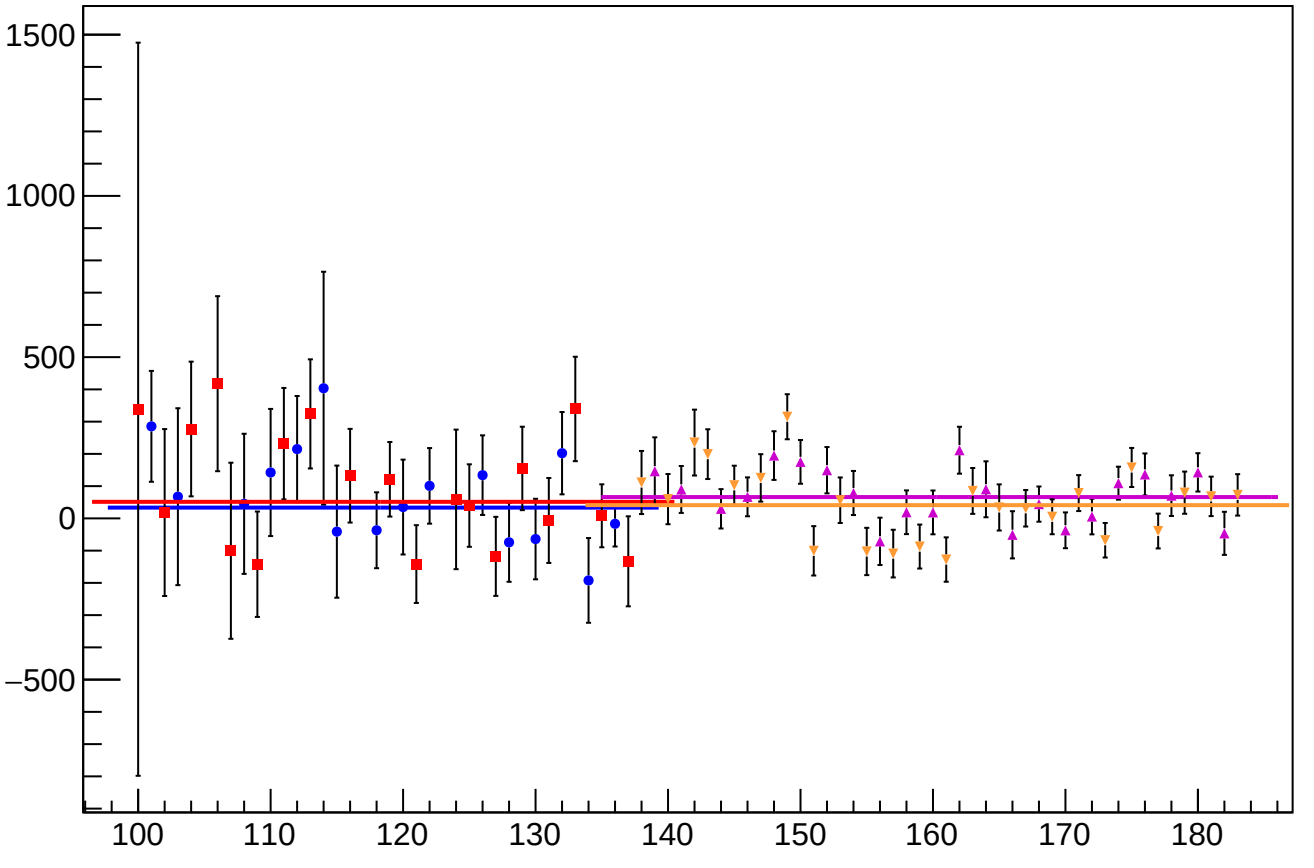
In: 29.241+/-0.004 χ^2/NDF:4483034.8/37

Out: 29.791+/-0.004 χ^2/NDF:5324733.9/42

All: 29.517+/-0.003 χ^2/NDF: 9815414.7/80


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:34.6/23
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: 53.9/45
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:58.8/42
All: 0.000+/-0.000 χ²/NDF: 90.6/80


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2024698.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:2131521.7/21
Left: 0.000+/-0.000 χ²/NDF: 4156293.9/45
Right: 0.000+/-0.000 χ²/NDF: 8066534.1/34
In: 0.000+/-0.000 χ²/NDF:8431210.4/37
Out: 0.000+/-0.000 χ²/NDF:8517276.3/42
All: 0.000+/-0.000 χ²/NDF: 16949283.1/80



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.026+/-13.562 χ^2/NDF:59.3/23

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 66.131+/-13.980 χ^2/NDF:30.2/21

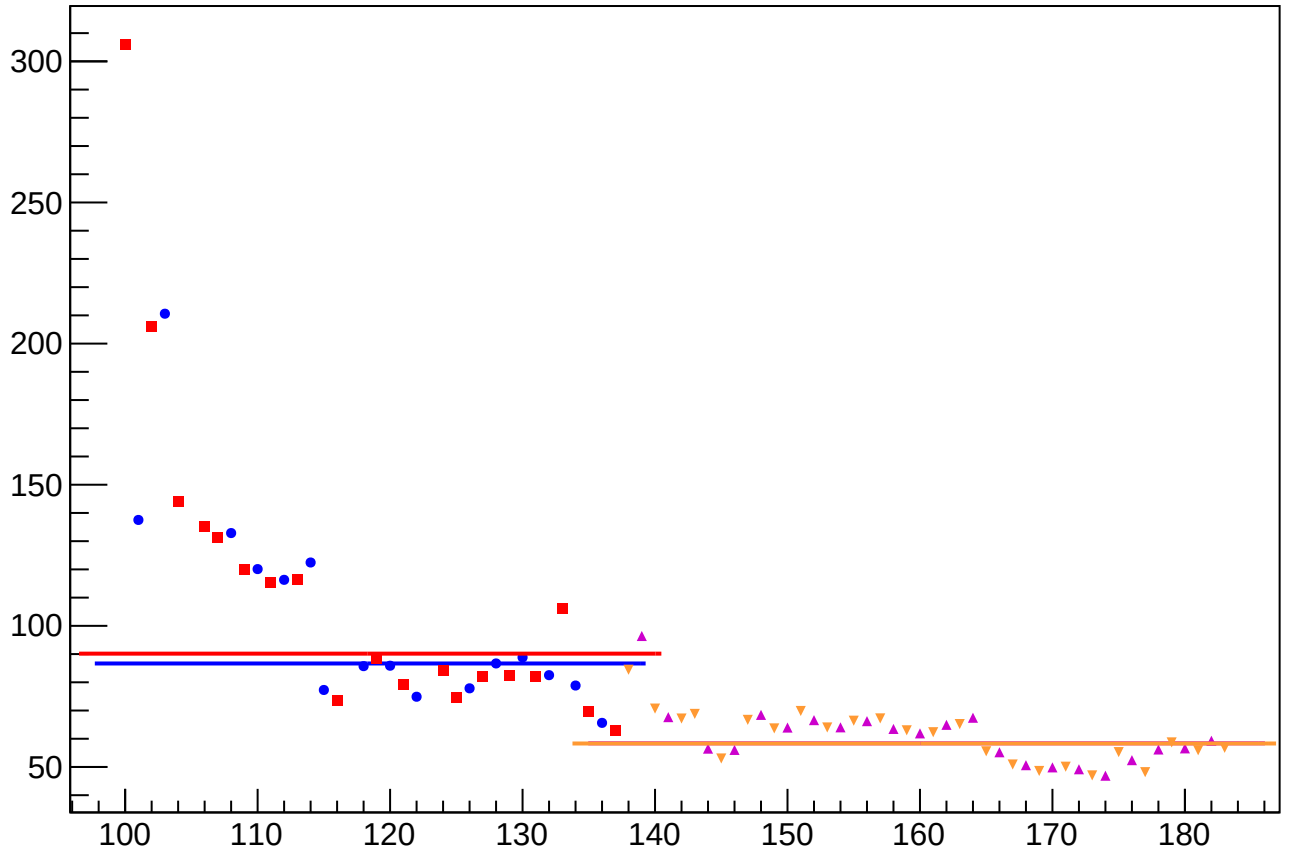
Left: 53.198+/-9.734 χ^2/NDF: 91.2/45

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 61.374+/-12.923 χ^2/NDF:43.8/37

Out: 42.382+/-12.639 χ^2/NDF:78.9/42

All: 51.667+/-9.036 χ^2/NDF: 123.9/80



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 58.319+/-0.010 χ^2/NDF:759214.6/23

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.382+/-0.010 χ^2/NDF:735073.5/21

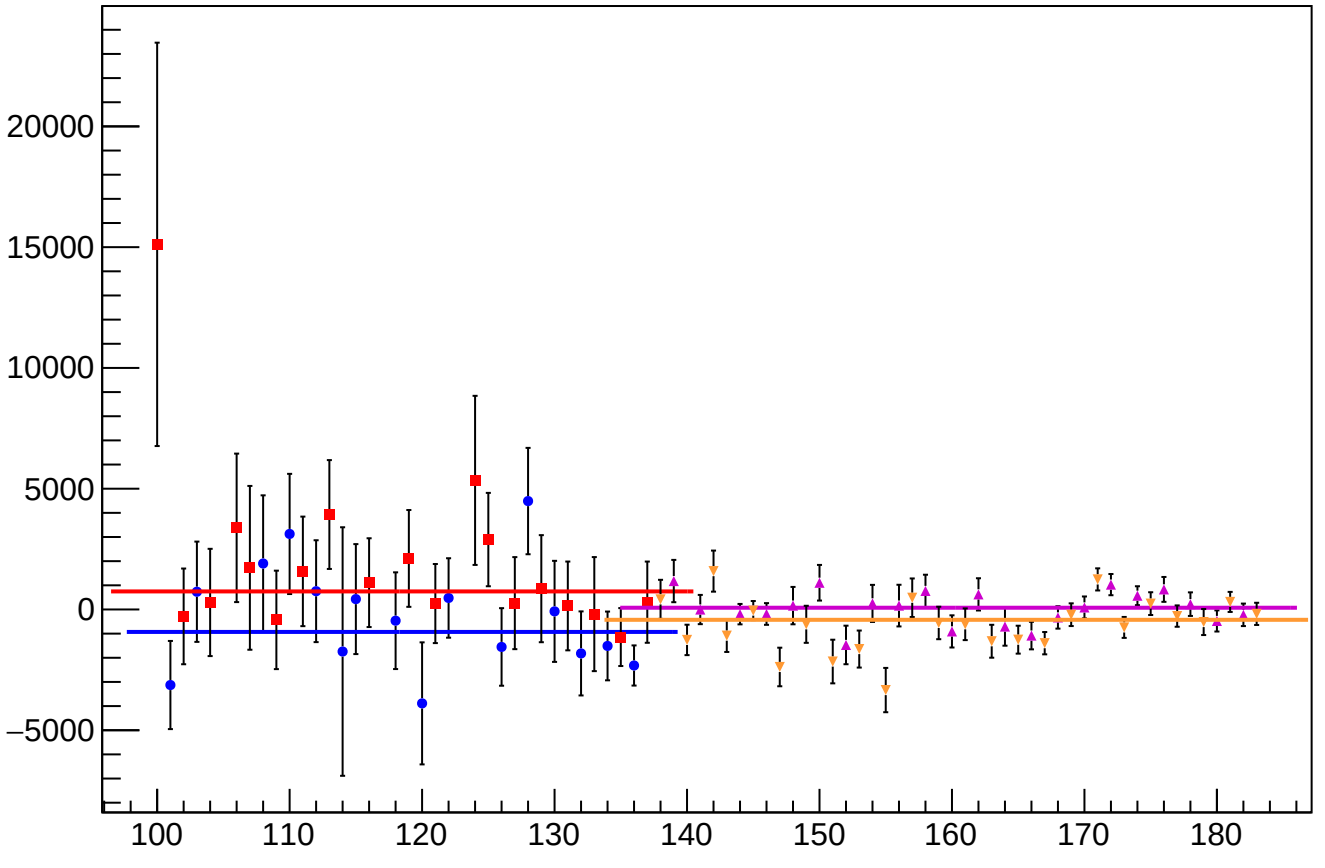
Left: 58.349+/-0.007 χ^2/NDF: 1494309.2/45

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 62.497+/-0.009 χ^2/NDF:2964938.7/37

Out: 62.505+/-0.009 χ^2/NDF:3358459.0/42

All: 62.501+/-0.006 χ^2/NDF: 6323398.1/80



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -428.246+/-115.013 χ^2/NDF:61.8/23

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: -182.432+/-82.003 χ^2/NDF: 99.6/45

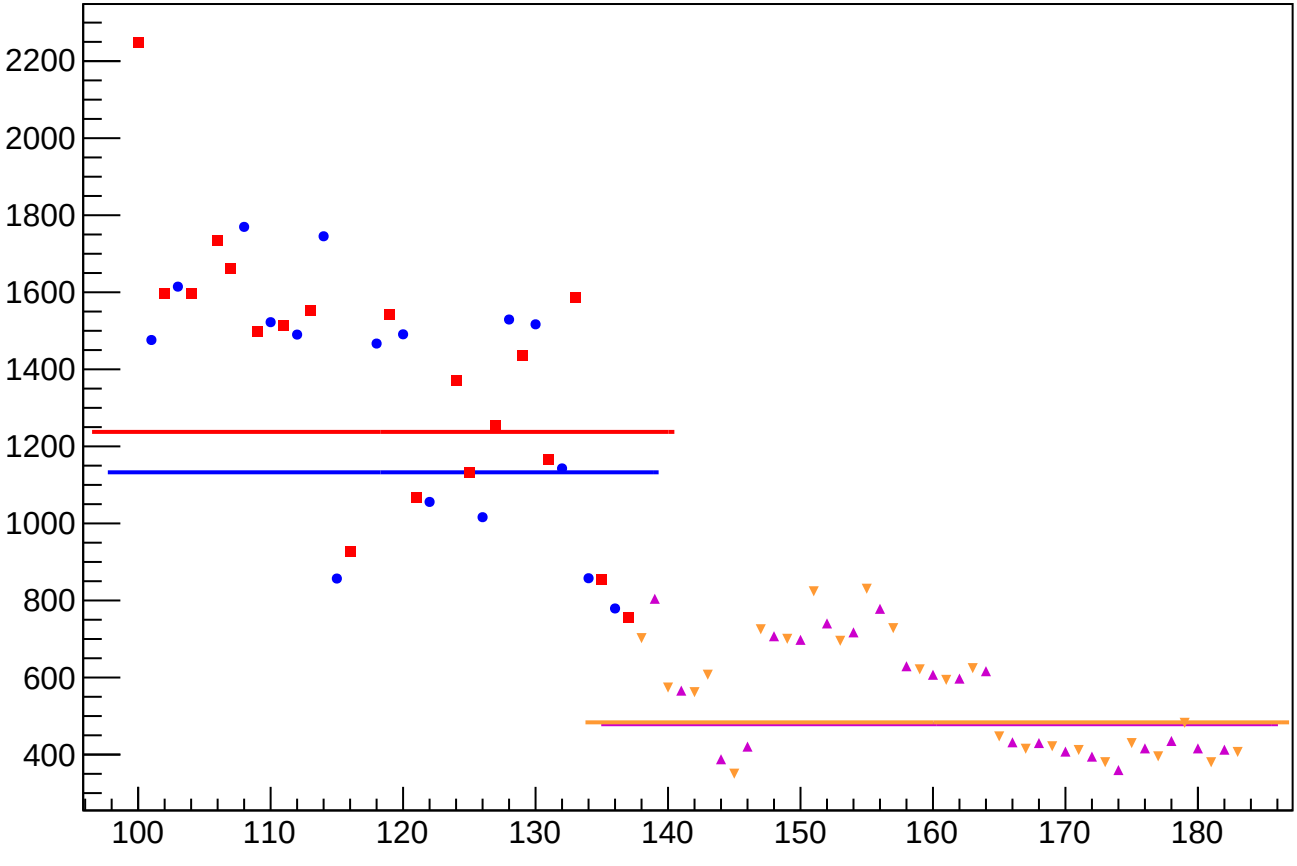
Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: 5.894+/-113.041 χ^2/NDF:51.8/37

Out: -361.272+/-111.689 χ^2/NDF:80.8/42

All: -179.898+/-79.450 χ^2/NDF: 137.9/80

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: 483.654+/-0.081 χ^2/NDF:2513157.7/23

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 478.785+/-0.083 χ^2/NDF:2211951.4/21

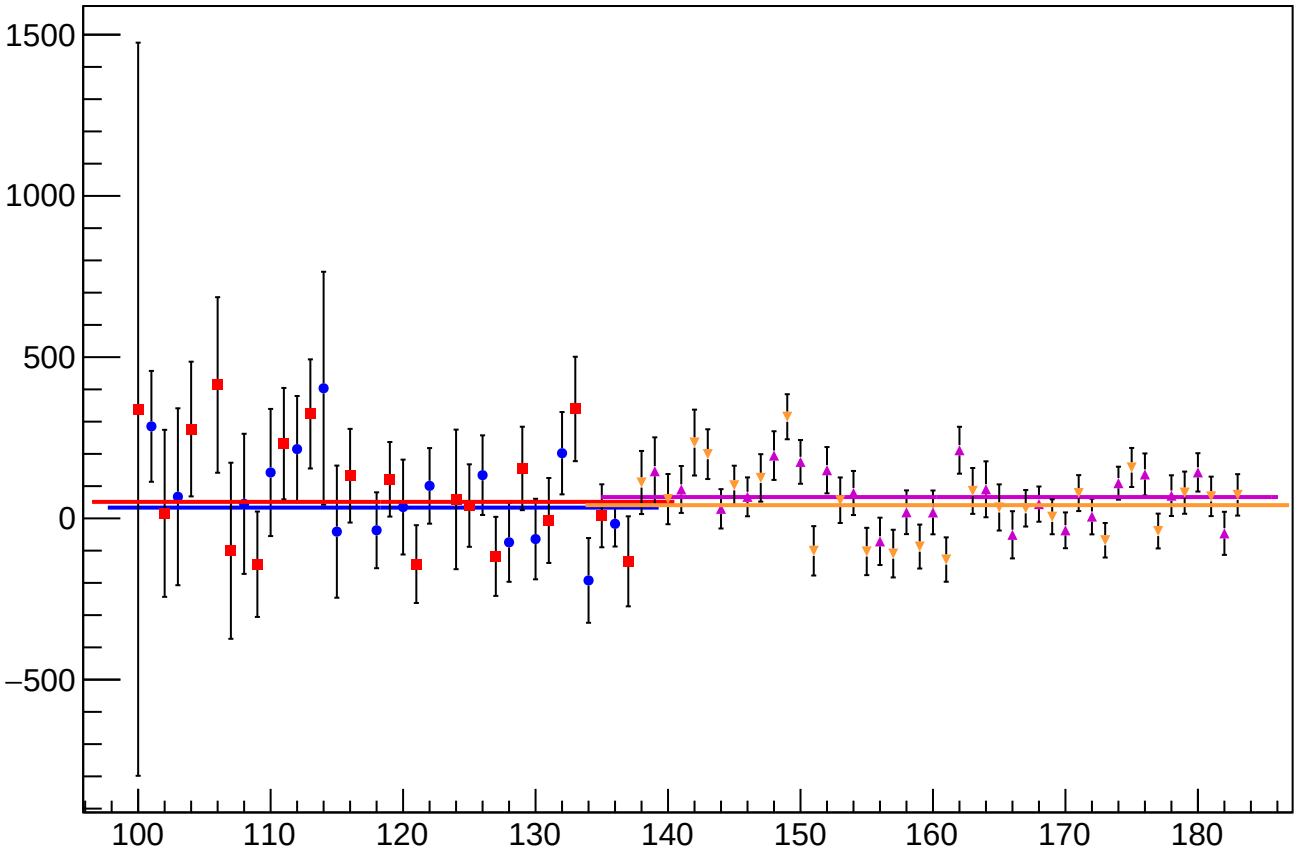
Left: 481.260+/-0.058 χ^2/NDF: 4726871.3/45

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 521.770+/-0.080 χ^2/NDF:7446270.3/37

Out: 526.612+/-0.079 χ^2/NDF:8305263.2/42

All: 524.220+/-0.056 χ^2/NDF: 15753389.9/80



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.028+/-13.562 χ^2/NDF:59.3/23

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: 53.199+/-9.734 χ^2/NDF: 91.2/45

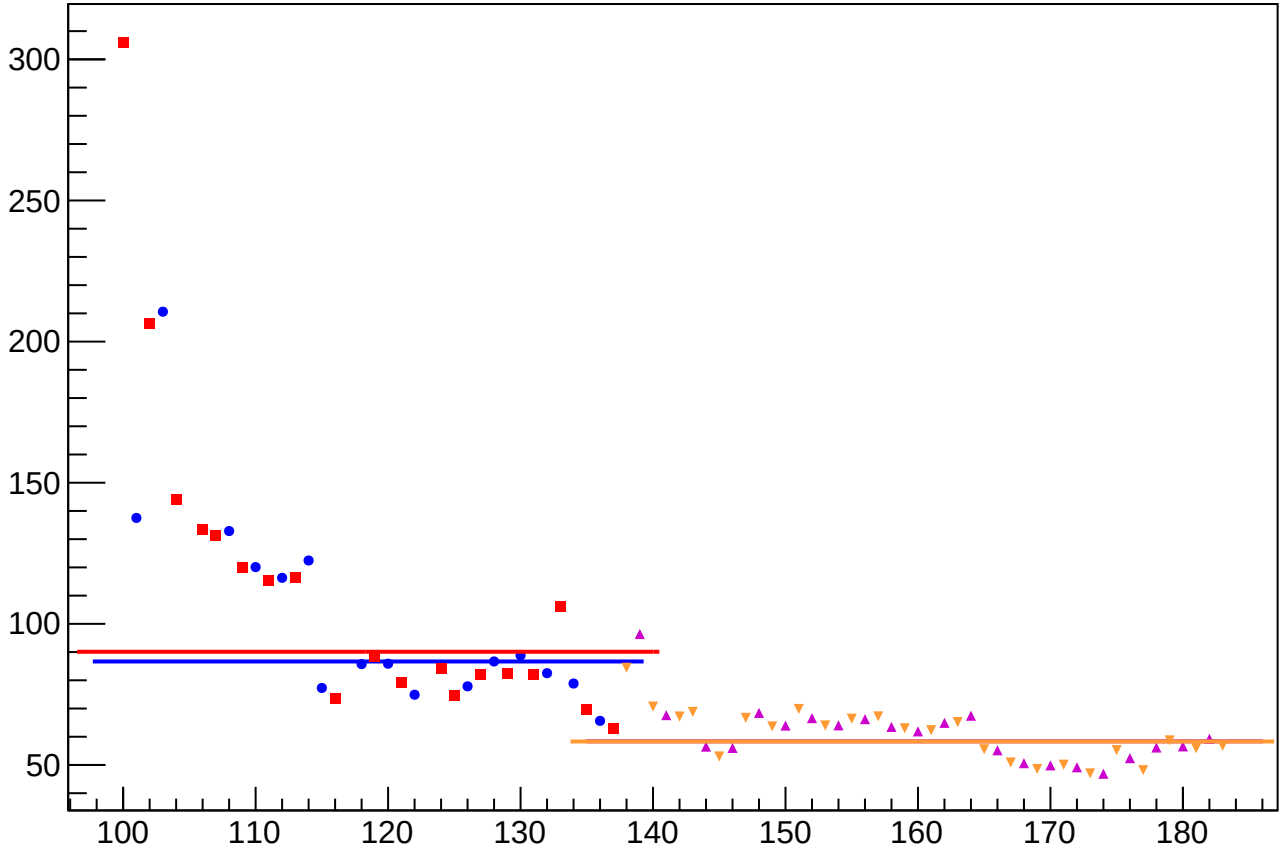
Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 61.372+/-12.923 χ^2/NDF:43.8/37

Out: 42.364+/-12.639 χ^2/NDF:78.9/42

All: 51.657+/-9.036 χ^2/NDF: 123.8/80

cor_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.319+/-0.010 χ^2/NDF:759214.5/23

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: 58.349+/-0.007 χ^2/NDF: 1494309.1/45

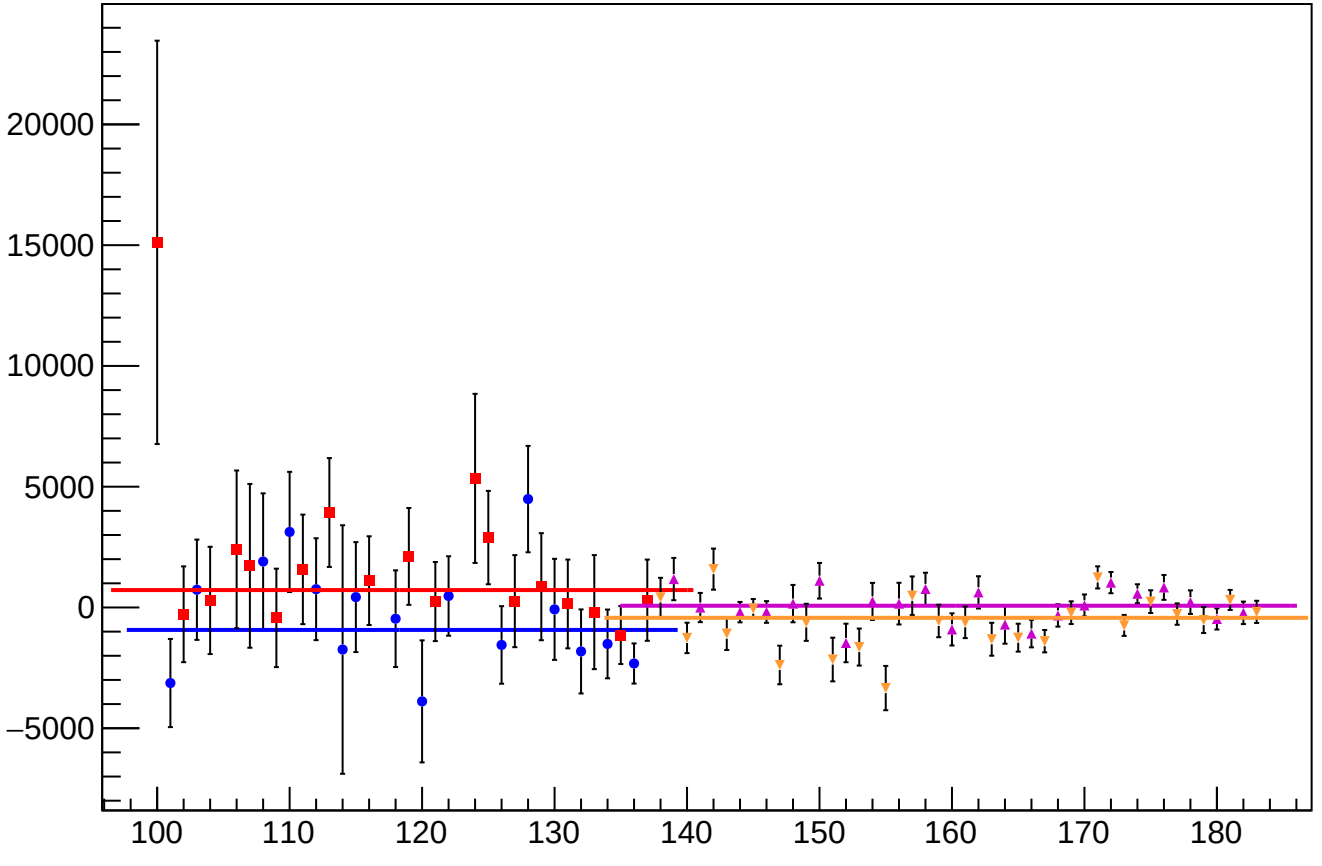
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 62.497+/-0.009 χ^2/NDF:2964940.9/37

Out: 62.500+/-0.009 χ^2/NDF:3350237.2/42

All: 62.499+/-0.006 χ^2/NDF: 6315178.1/80

asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -428.244+/-115.013 χ^2/NDF:61.8/23

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 71.732+/-116.950 χ^2/NDF:28.4/21

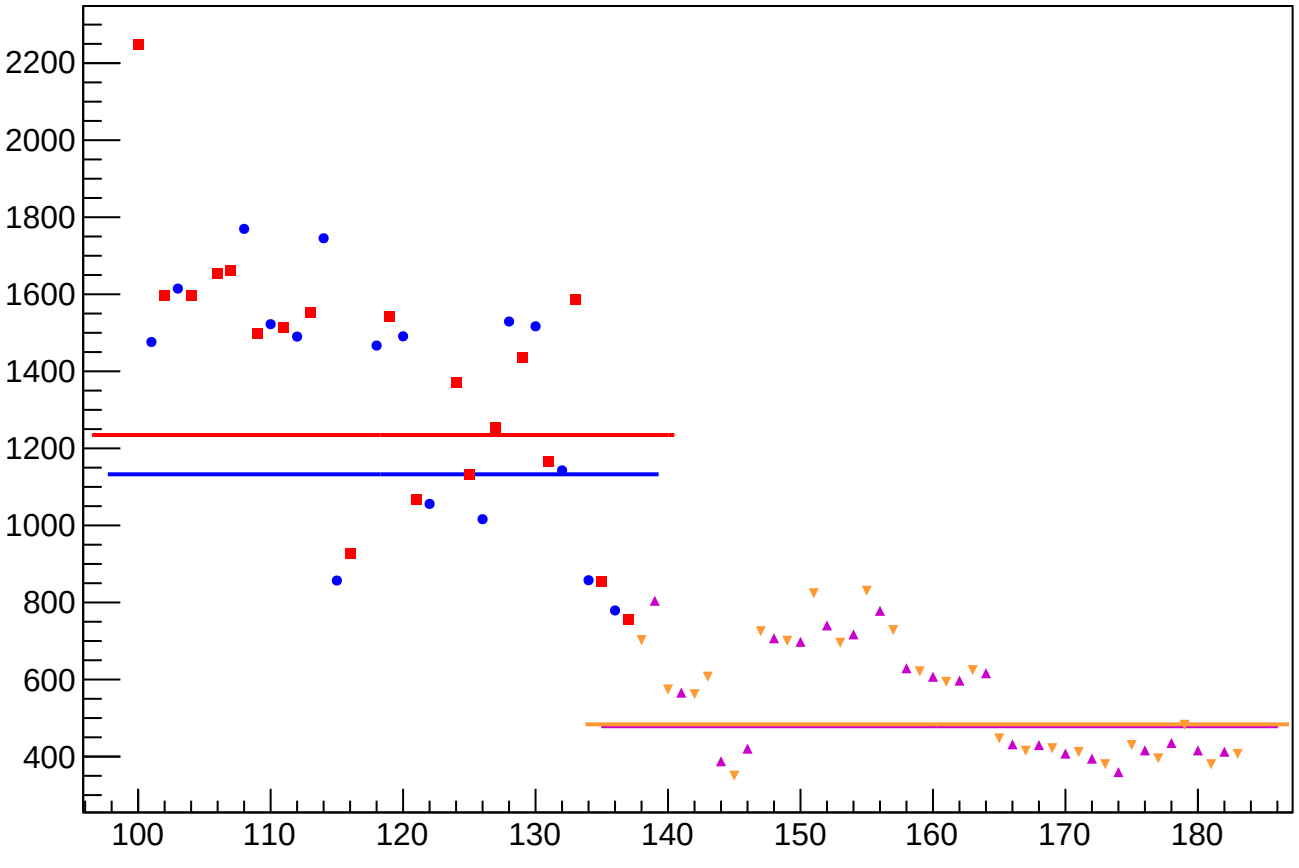
Left: -182.431+/-82.003 χ^2/NDF: 99.6/45

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: 5.896+/-113.041 χ^2/NDF:51.8/37

Out: -362.953+/-111.697 χ^2/NDF:80.0/42

All: -180.734+/-79.453 χ^2/NDF: 137.2/80



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 483.654+/-0.081 χ^2/NDF:2513156.4/23

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 478.785+/-0.083 χ^2/NDF:2211949.4/21

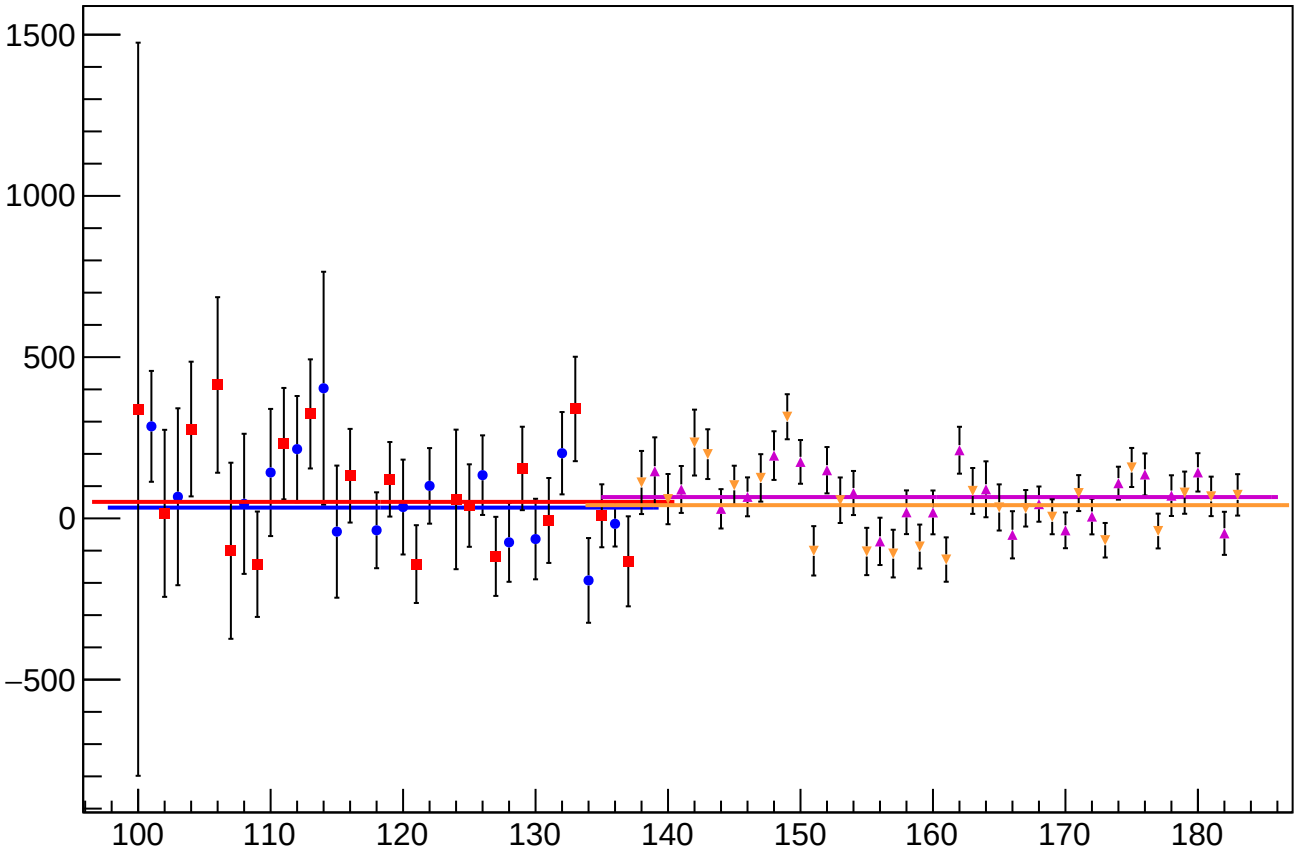
Left: 481.260+/-0.058 χ^2/NDF: 4726867.7/45

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 521.770+/-0.080 χ^2/NDF:7446296.0/37

Out: 526.338+/-0.079 χ^2/NDF:8236387.2/42

All: 524.081+/-0.056 χ^2/NDF: 15684335.2/80



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.028+/-13.562 χ^2/NDF:59.3/23

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 66.131+/-13.980 χ^2/NDF:30.2/21

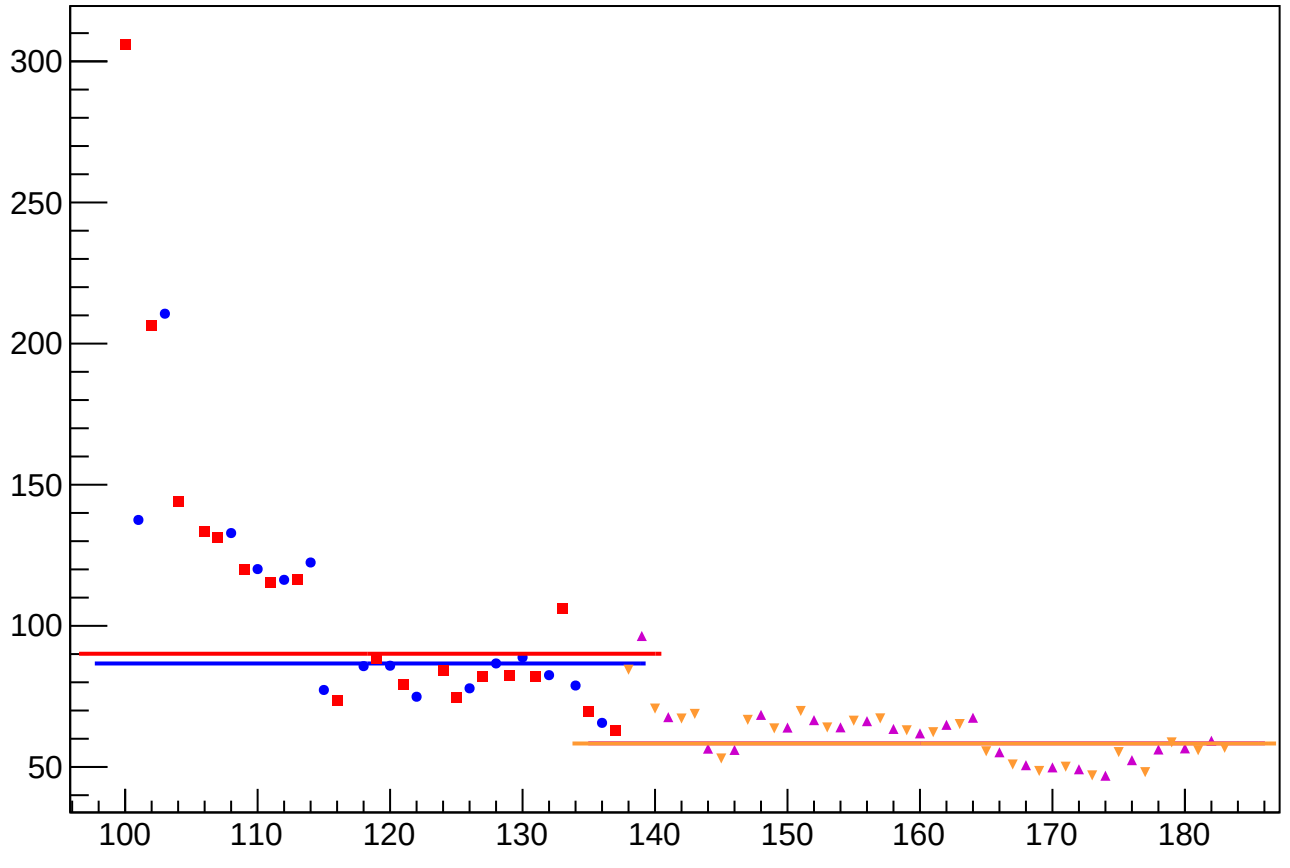
Left: 53.199+/-9.734 χ^2/NDF: 91.2/45

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 61.372+/-12.923 χ^2/NDF:43.8/37

Out: 42.364+/-12.639 χ^2/NDF:78.9/42

All: 51.657+/-9.036 χ^2/NDF: 123.8/80



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.319+/-0.010 χ^2/NDF:759214.5/23

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: 58.349+/-0.007 χ^2/NDF: 1494309.1/45

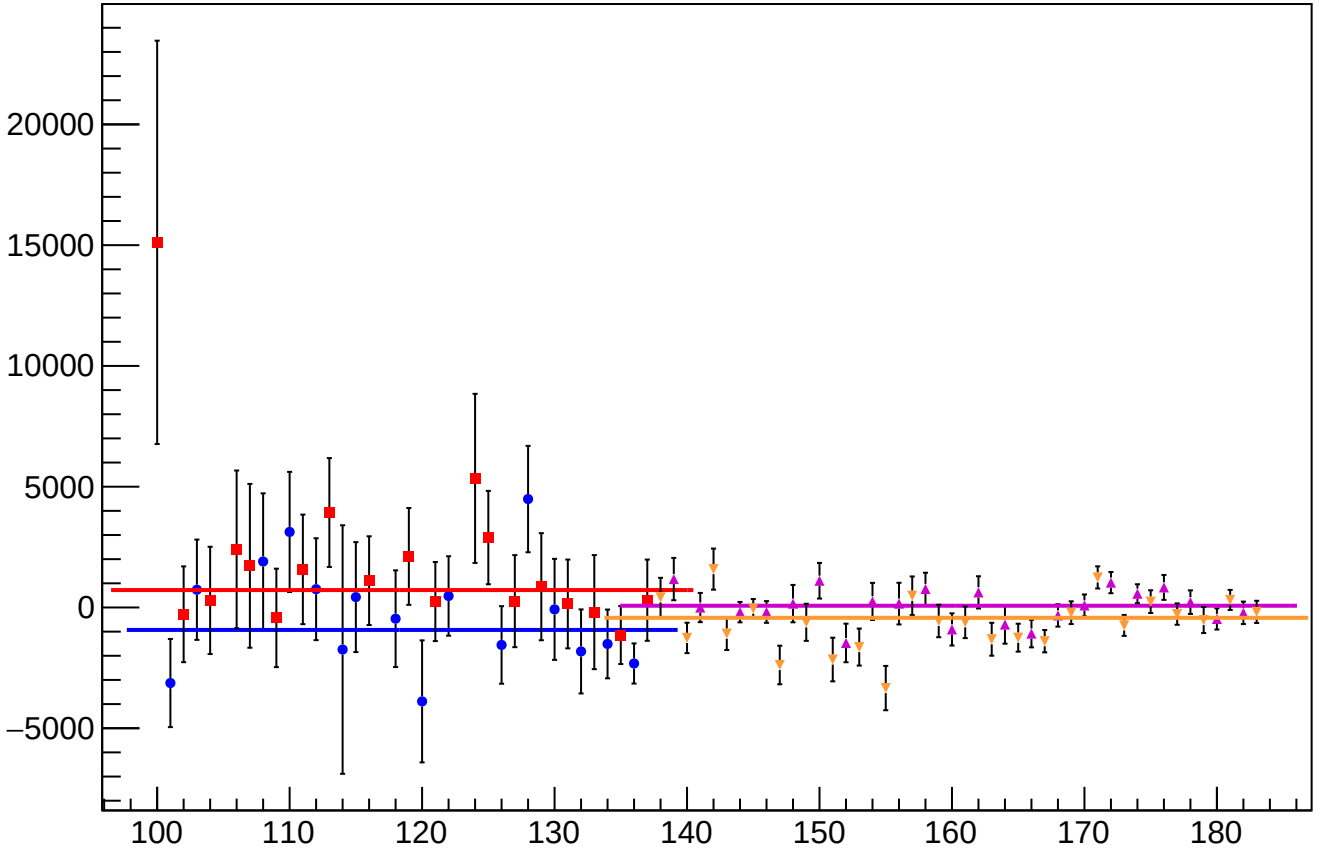
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 62.497+/-0.009 χ^2/NDF:2964940.9/37

Out: 62.500+/-0.009 χ^2/NDF:3350237.2/42

All: 62.499+/-0.006 χ^2/NDF: 6315178.1/80

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: -428.244+/-115.013 χ^2/NDF:61.8/23

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: -182.431+/-82.003 χ^2/NDF: 99.6/45

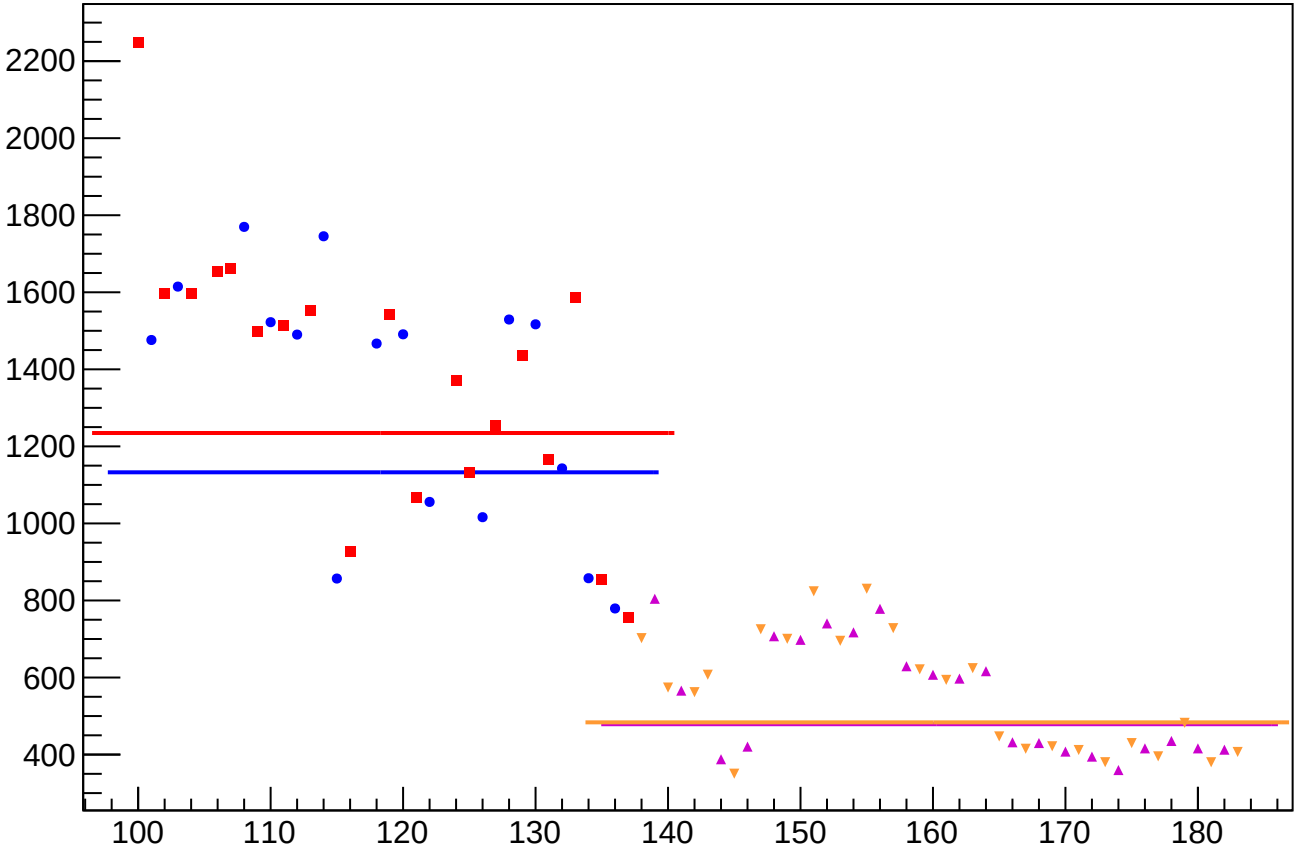
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: 5.896+/-113.041 χ^2/NDF:51.8/37

Out: -362.953+/-111.697 χ^2/NDF:80.0/42

All: -180.734+/-79.453 χ^2/NDF: 137.2/80

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: 483.654+/-0.081 χ^2/NDF:2513156.4/23

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 478.785+/-0.083 χ^2/NDF:2211949.4/21

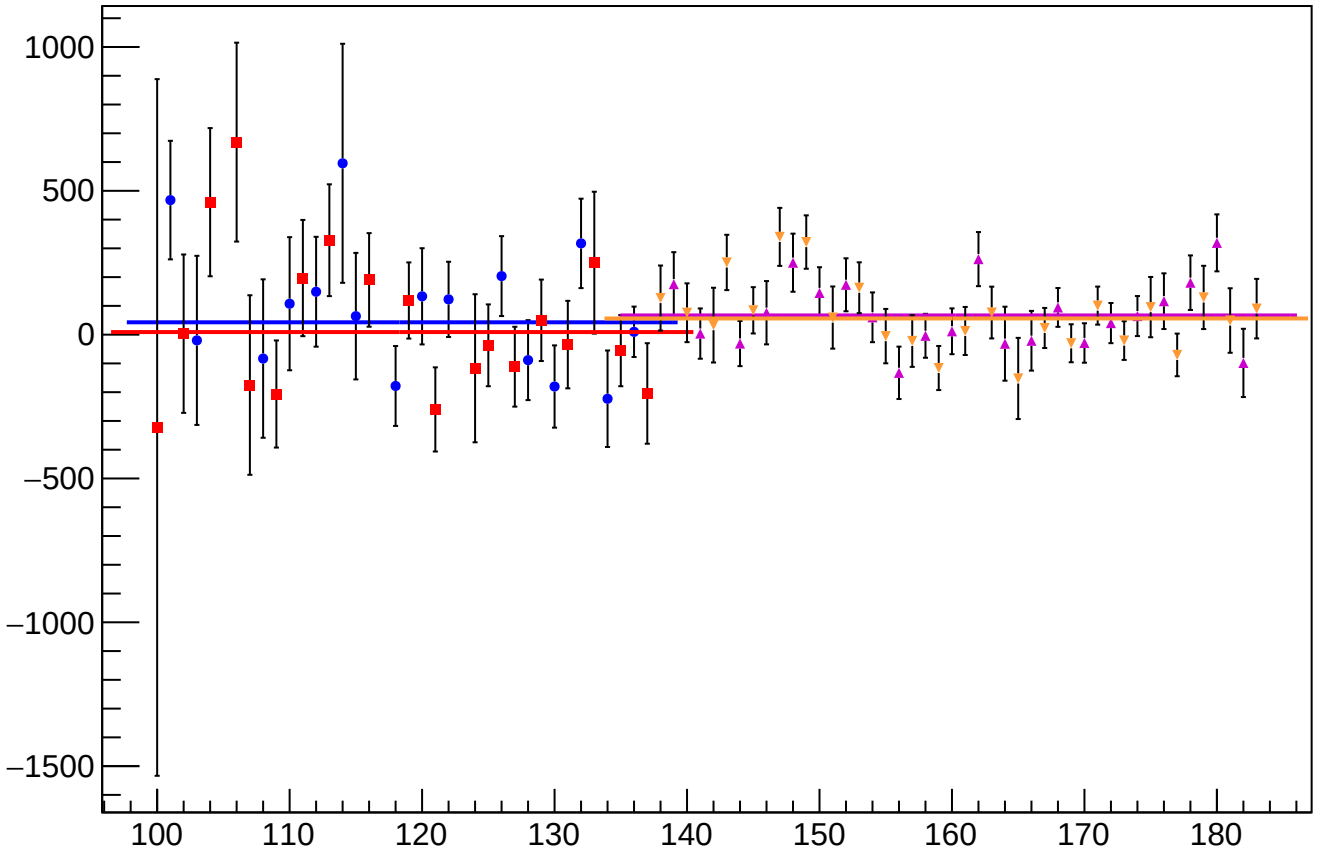
Left: 481.260+/-0.058 χ^2/NDF: 4726867.7/45

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 521.770+/-0.080 χ^2/NDF:7446296.0/37

Out: 526.338+/-0.079 χ^2/NDF:8236387.2/42

All: 524.081+/-0.056 χ^2/NDF: 15684335.2/80



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 56.270+/-18.078 χ^2/NDF:38.3/23

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: 61.361+/-12.973 χ^2/NDF: 71.1/45

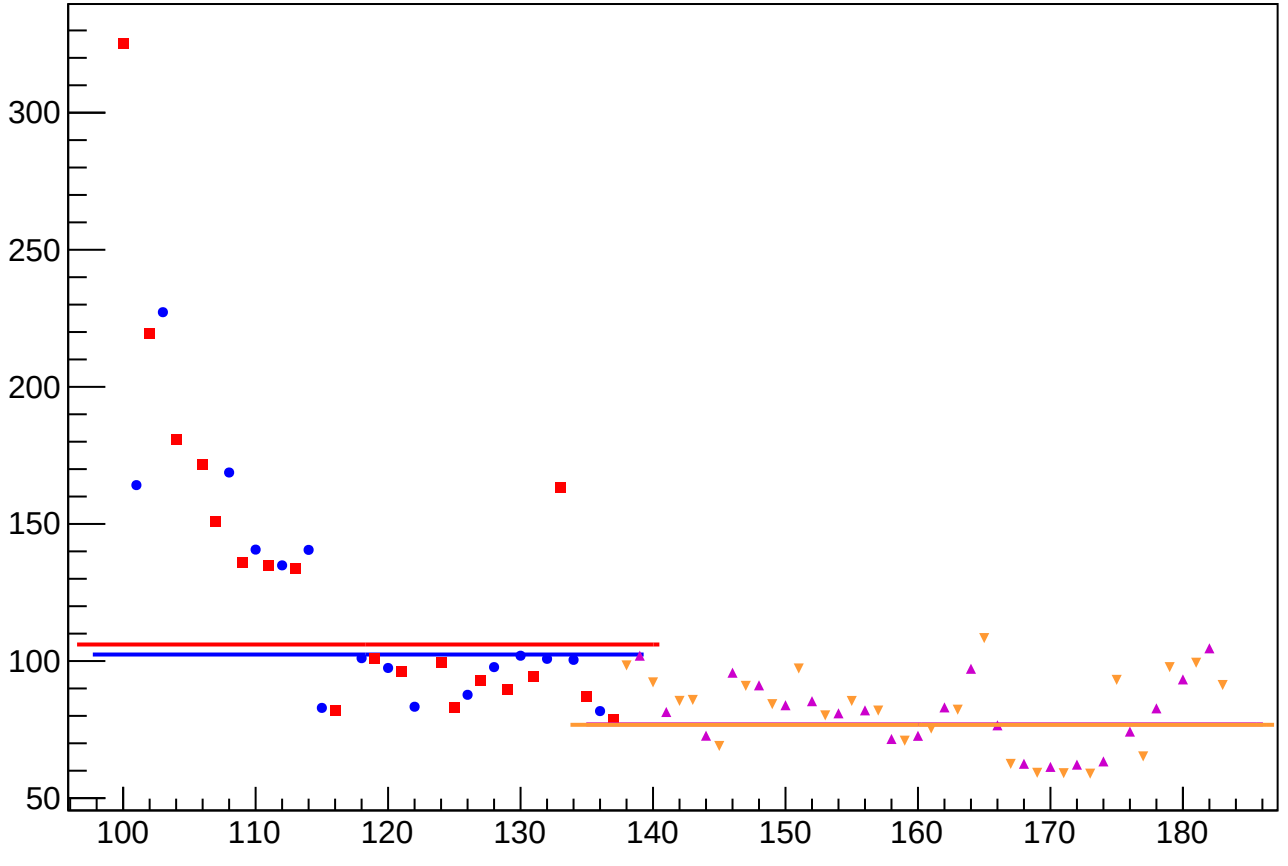
Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 62.507+/-16.883 χ^2/NDF:53.2/37

Out: 48.593+/-16.545 χ^2/NDF:60.7/42

All: 55.409+/-11.817 χ^2/NDF: 114.3/80

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.0/23

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 76.909+/-0.013 χ^2/NDF:854043.3/21

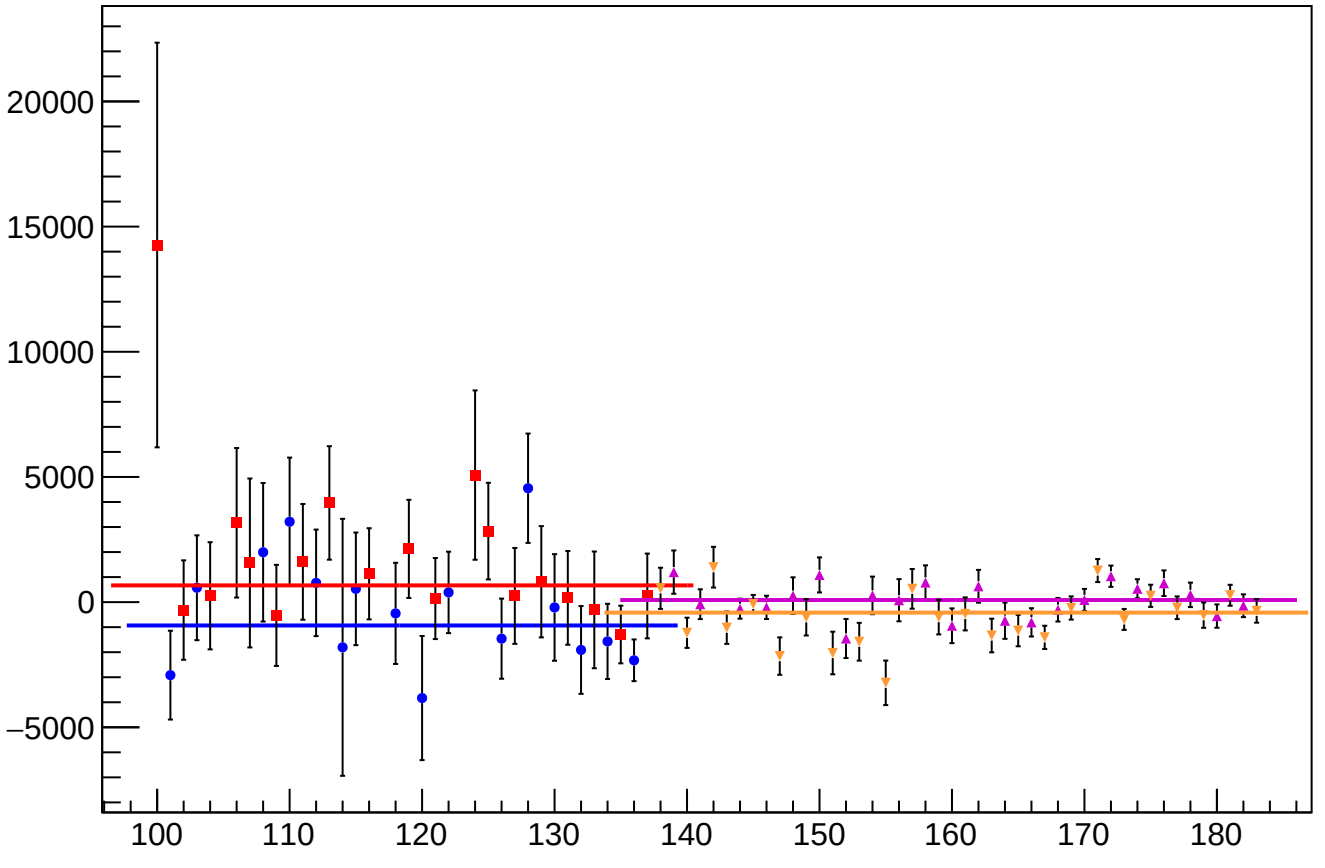
Left: 76.824+/-0.009 χ^2/NDF: 2088753.5/45

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 81.458+/-0.012 χ^2/NDF:2504111.2/37

Out: 81.500+/-0.012 χ^2/NDF:3278322.2/42

All: 81.479+/-0.008 χ^2/NDF: 5782439.4/80



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -418.952+/-112.846 χ^2/NDF:59.7/23

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 83.525+/-115.538 χ^2/NDF:27.8/21

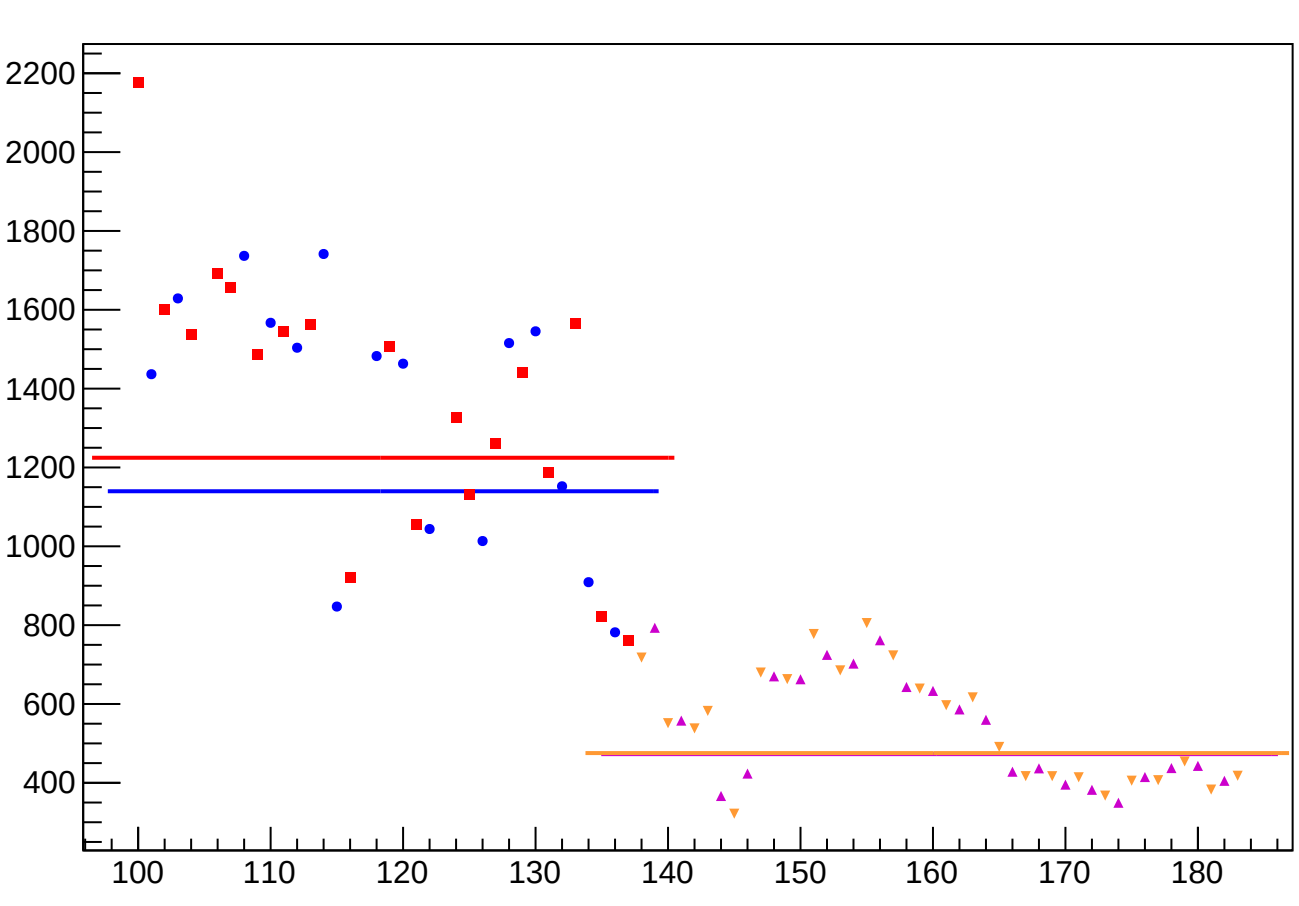
Left: -173.637+/-80.729 χ^2/NDF: 97.2/45

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: 18.748+/-111.794 χ^2/NDF:51.2/37

Out: -358.028+/-109.639 χ^2/NDF:78.4/42

All: -173.306+/-78.277 χ^2/NDF: 135.4/80



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 475.470+/-0.080 χ^2/NDF:2527502.0/23

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 472.789+/-0.082 χ^2/NDF:2197573.0/21

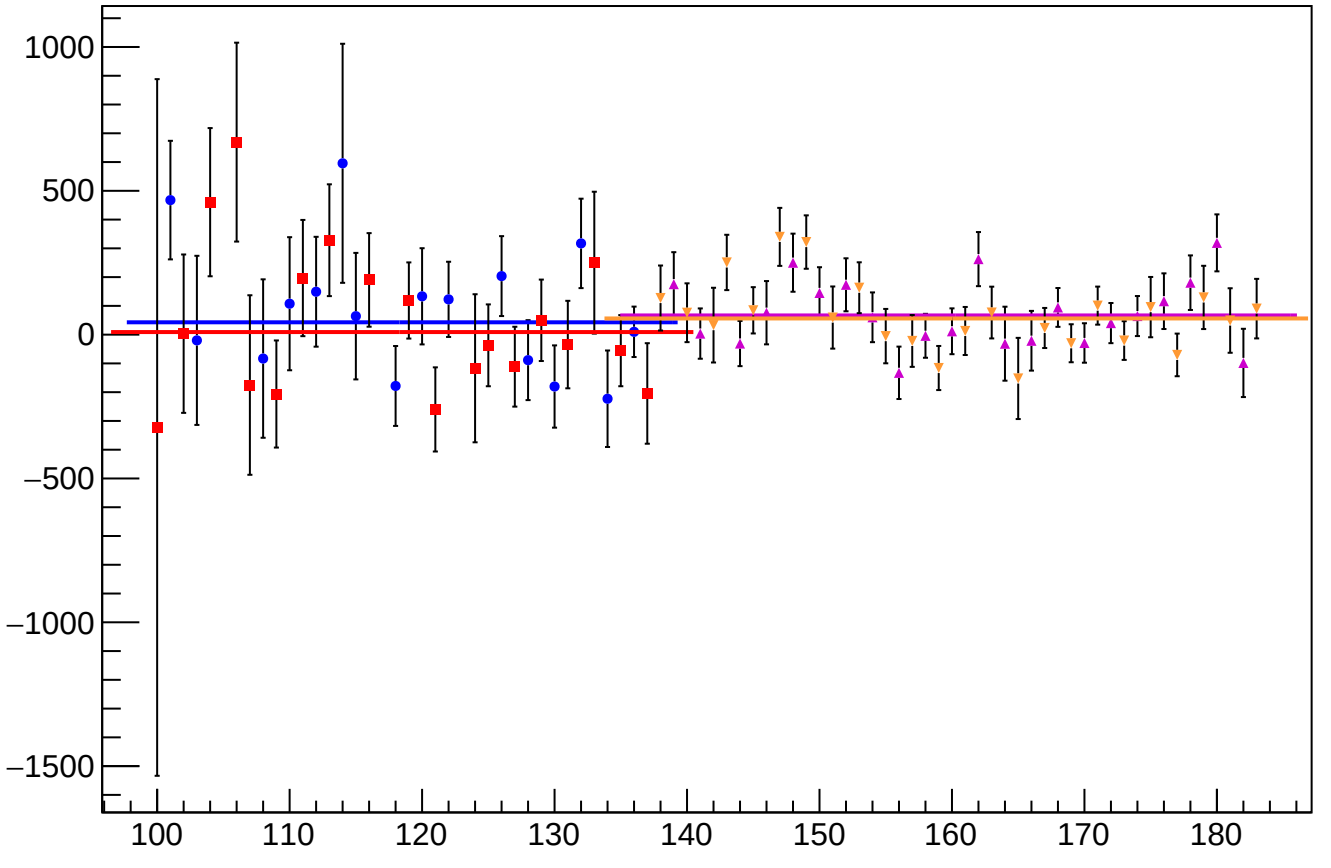
Left: 474.161+/-0.057 χ^2/NDF: 4725626.2/45

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 515.311+/-0.079 χ^2/NDF:7539416.5/37

Out: 517.441+/-0.078 χ^2/NDF:8388298.6/42

All: 516.397+/-0.055 χ^2/NDF: 15928085.4/80



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 56.269+/-18.078 χ^2/NDF:38.3/23

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 66.767+/-18.628 χ^2/NDF:32.6/21

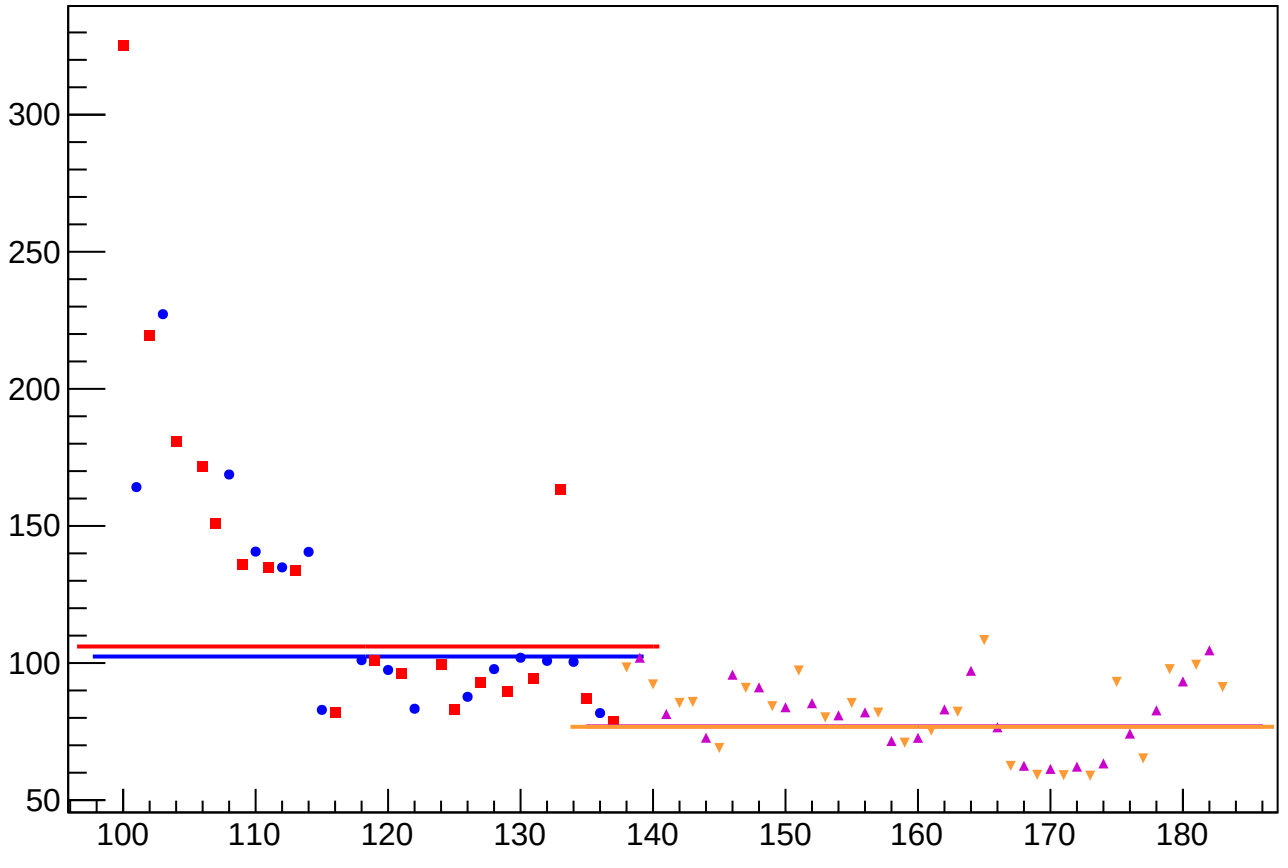
Left: 61.360+/-12.973 χ^2/NDF: 71.1/45

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 62.507+/-16.883 χ^2/NDF:53.2/37

Out: 48.591+/-16.545 χ^2/NDF:60.7/42

All: 55.408+/-11.817 χ^2/NDF: 114.3/80



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/23

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: 76.824+/-0.009 χ^2/NDF: 2088744.8/45

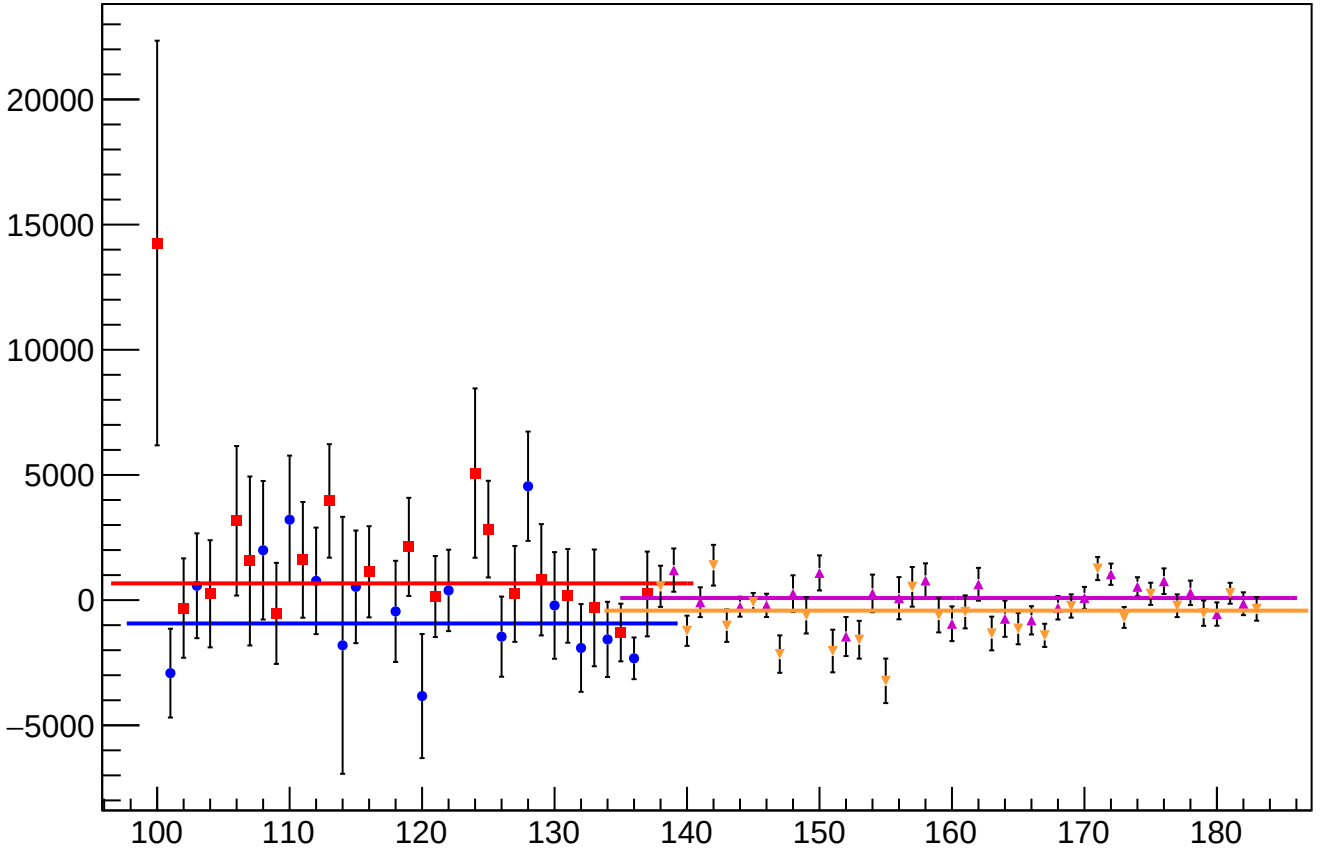
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 81.459+/-0.012 χ^2/NDF:2504073.1/37

Out: 81.500+/-0.012 χ^2/NDF:3278304.3/42

All: 81.480+/-0.008 χ^2/NDF: 5782383.5/80

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: -418.951+/-112.845 χ^2/NDF:59.7/23

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: -173.636+/-80.729 χ^2/NDF: 97.2/45

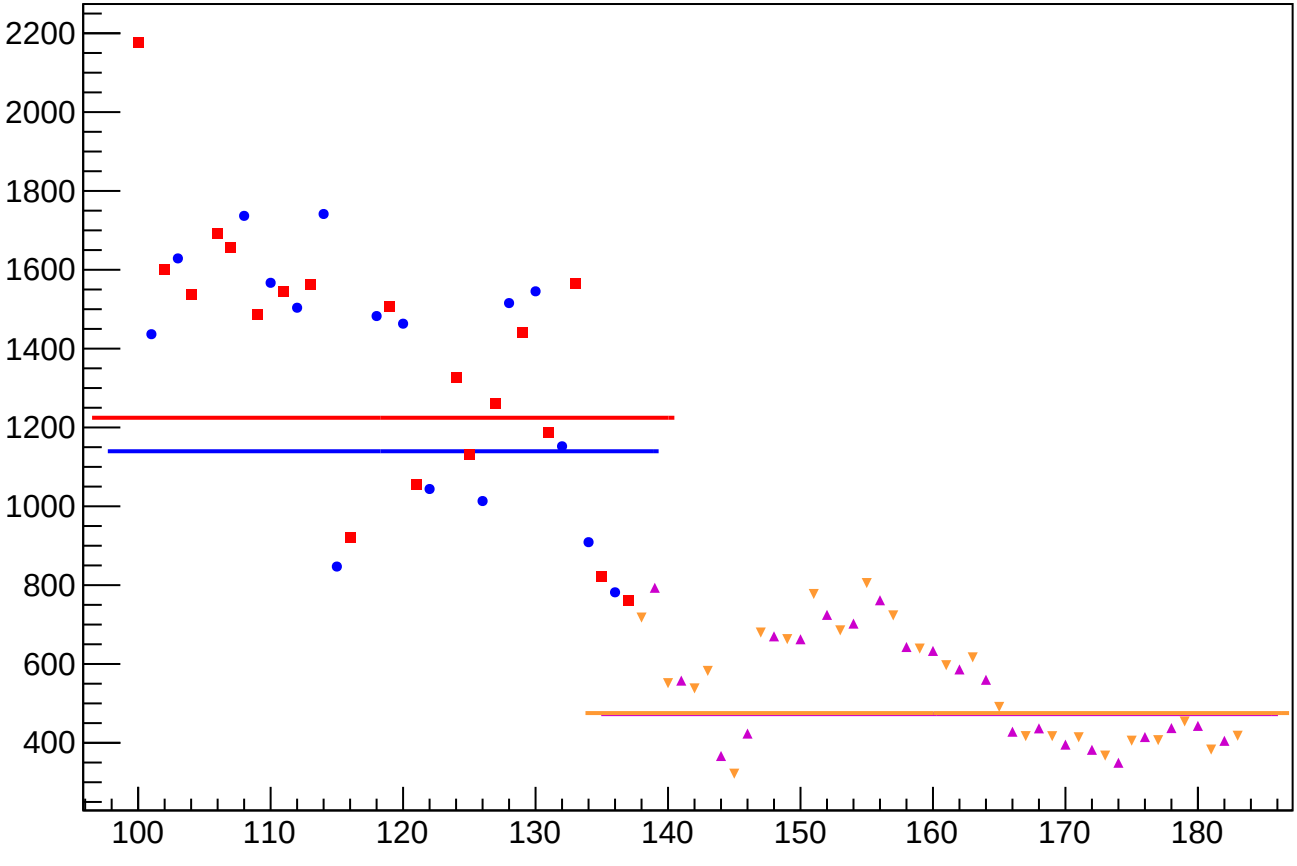
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: 18.748+/-111.794 χ^2/NDF:51.2/37

Out: -358.027+/-109.639 χ^2/NDF:78.4/42

All: -173.306+/-78.277 χ^2/NDF: 135.4/80

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: 475.470+/-0.080 χ^2/NDF:2527506.6/23

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: 474.161+/-0.057 χ^2/NDF: 4725626.5/45

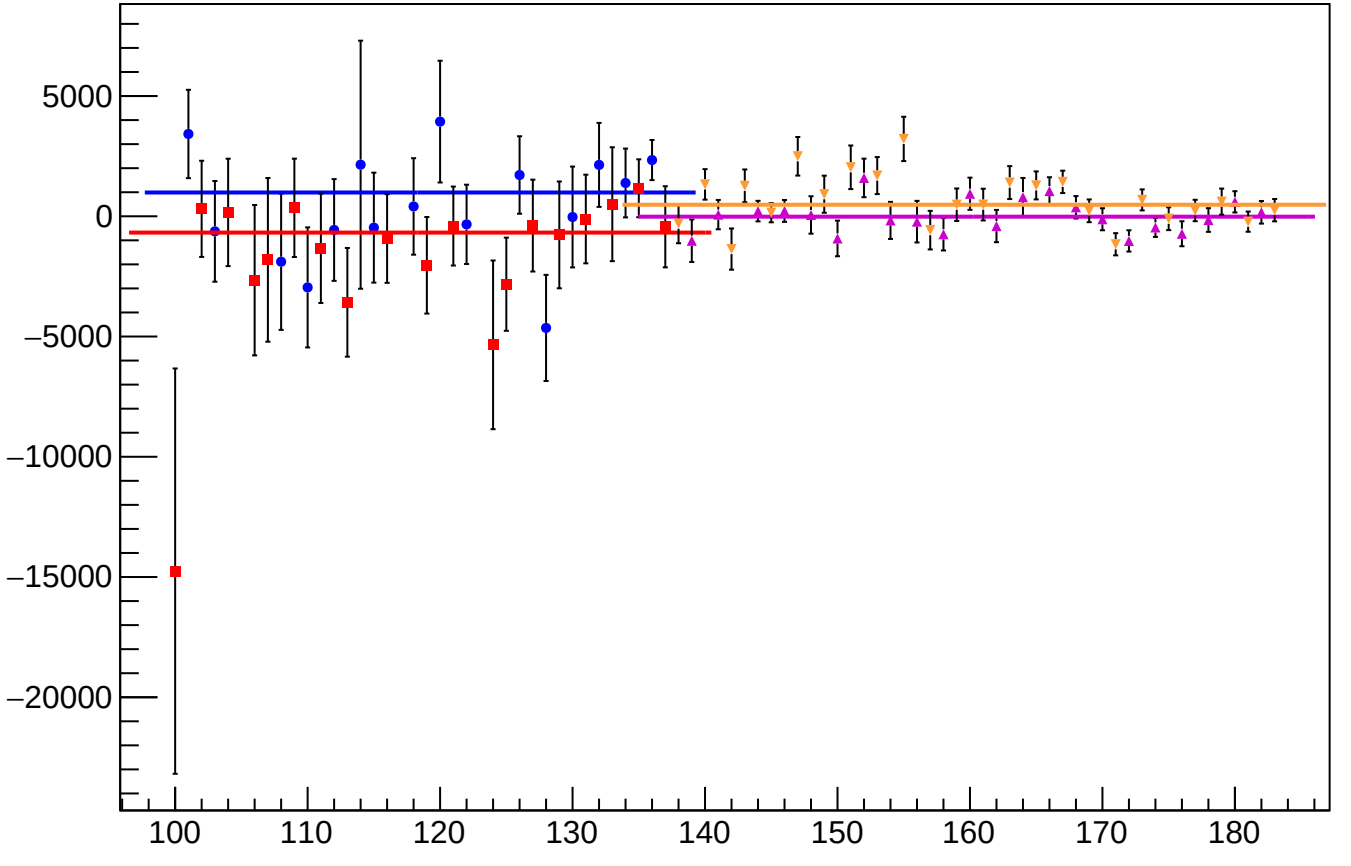
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 515.311+/-0.079 χ^2/NDF:7539399.3/37

Out: 517.441+/-0.078 χ^2/NDF:8388291.7/42

All: 516.396+/-0.055 χ^2/NDF: 15928061.2/80

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 479.995+/-115.909 χ^2/NDF:58.0/23

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: 236.120+/-82.652 χ^2/NDF: 93.7/45

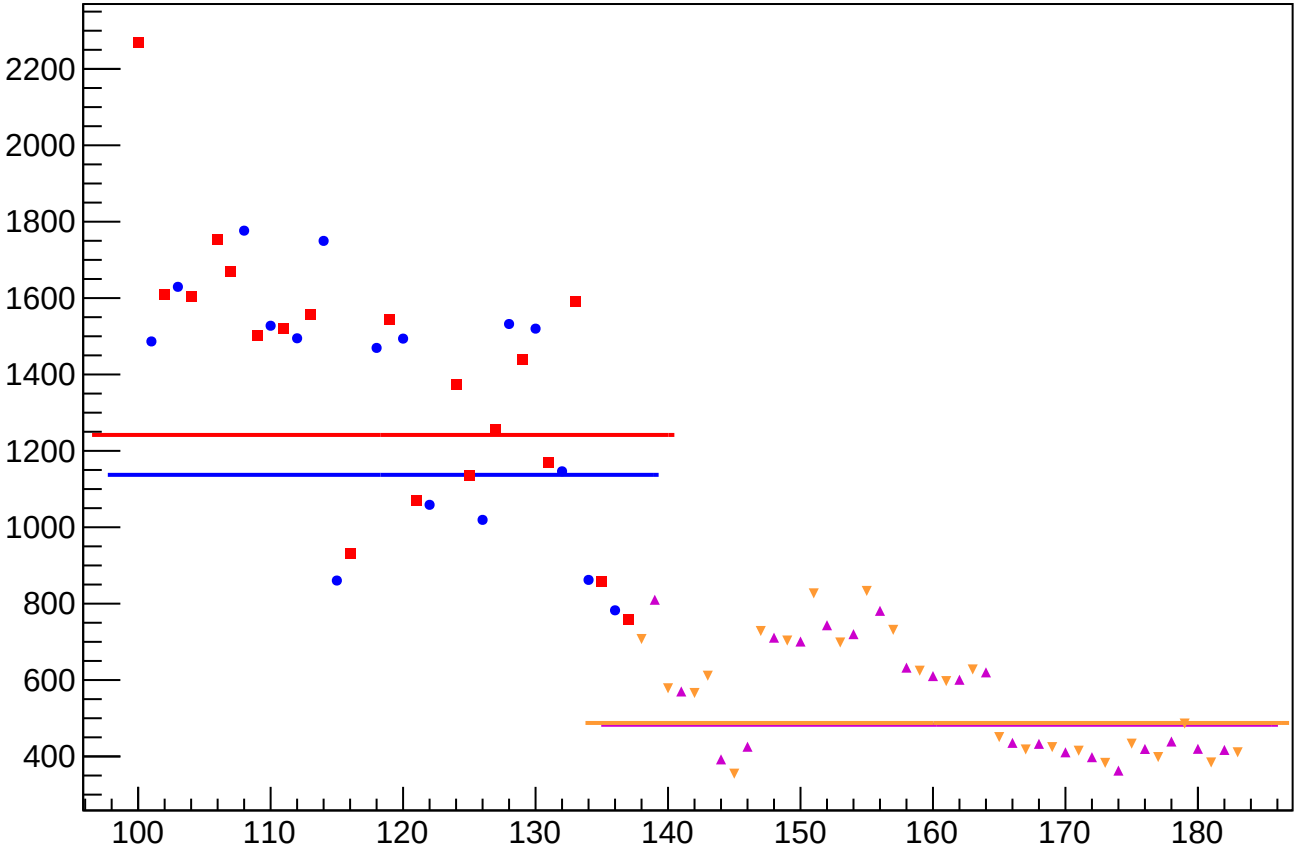
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 50.429+/-113.921 χ^2/NDF:50.6/37

Out: 413.534+/-112.532 χ^2/NDF:75.6/42

All: 234.208+/-80.059 χ^2/NDF: 131.4/80

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 487.650+/-0.082 χ^2/NDF:2479290.4/23

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 482.858+/-0.083 χ^2/NDF:2183203.1/21

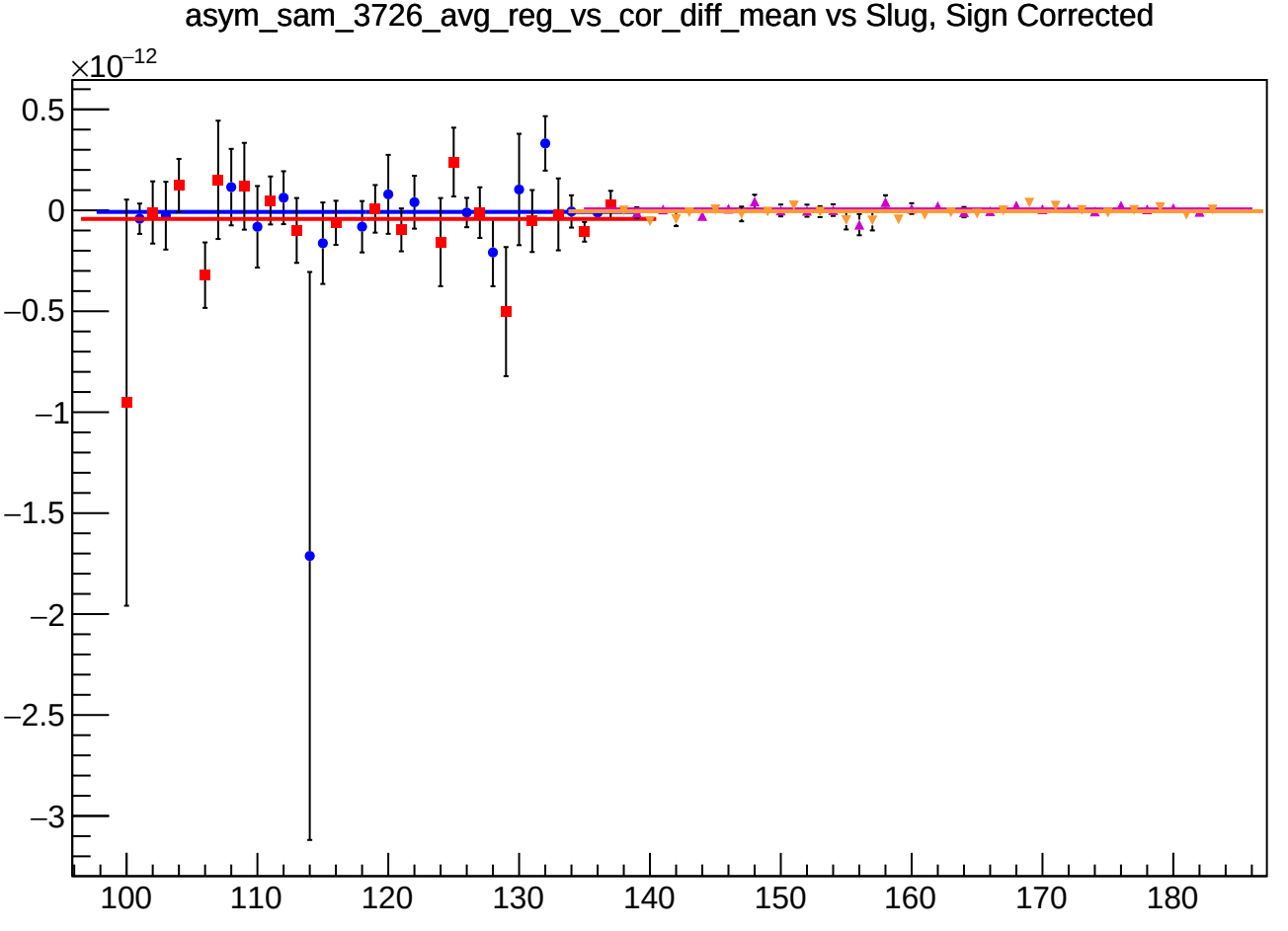
Left: 485.295+/-0.058 χ^2/NDF: 4664173.8/45

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 526.203+/-0.081 χ^2/NDF:7388307.3/37

Out: 530.942+/-0.080 χ^2/NDF:8238422.6/42

All: 528.601+/-0.057 χ^2/NDF: 15628481.7/80



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/21

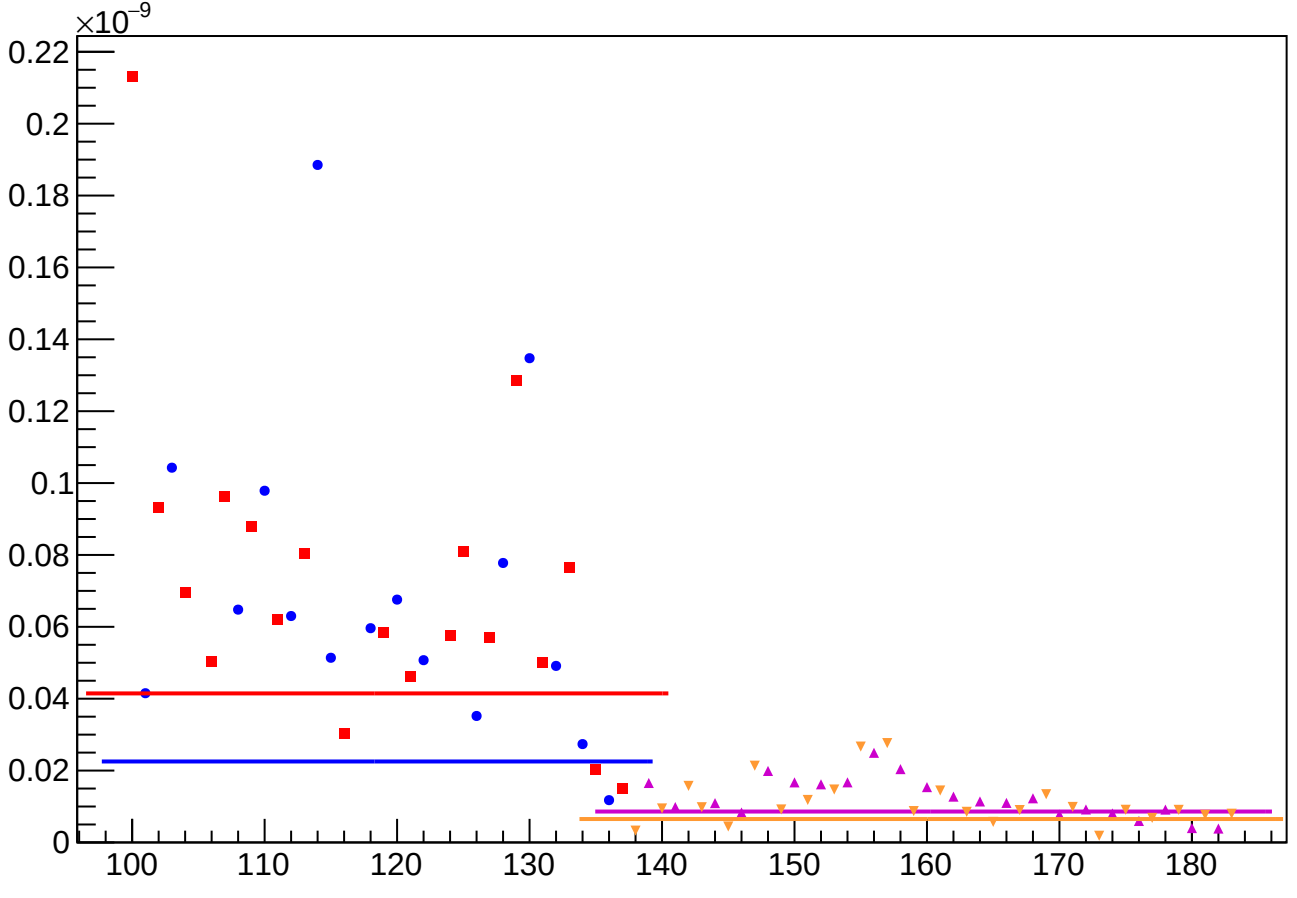
Left: -0.000+/-0.000 χ^2/NDF: 46.7/45

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:46.3/42

All: -0.000+/-0.000 χ^2/NDF: 76.5/80



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3730982.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2557289.3/21

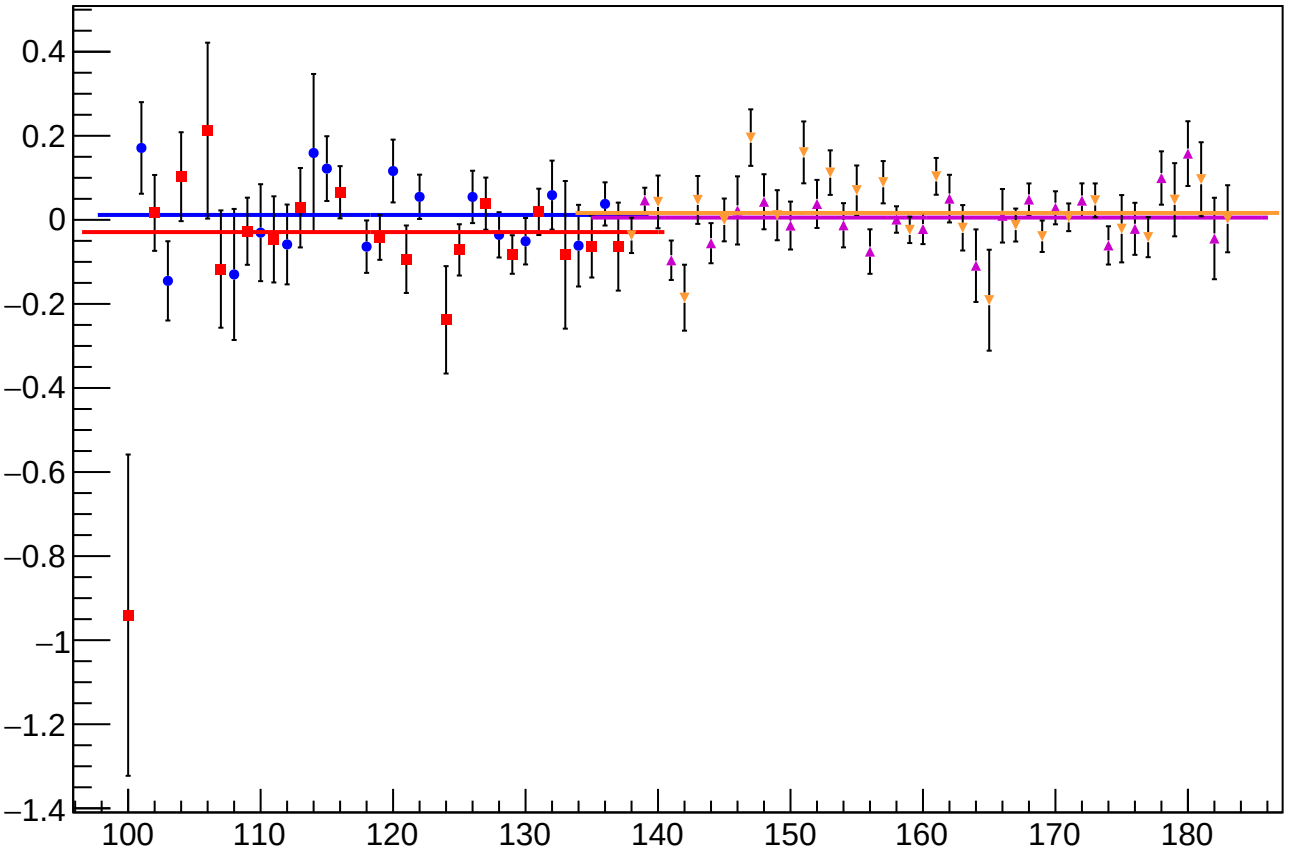
Left: 0.000+/-0.000 χ^2/NDF: 6636306.3/45

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:8868622.5/42

All: 0.000+/-0.000 χ^2/NDF: 15934783.4/80



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/23

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.010 χ^2/NDF:25.7/21

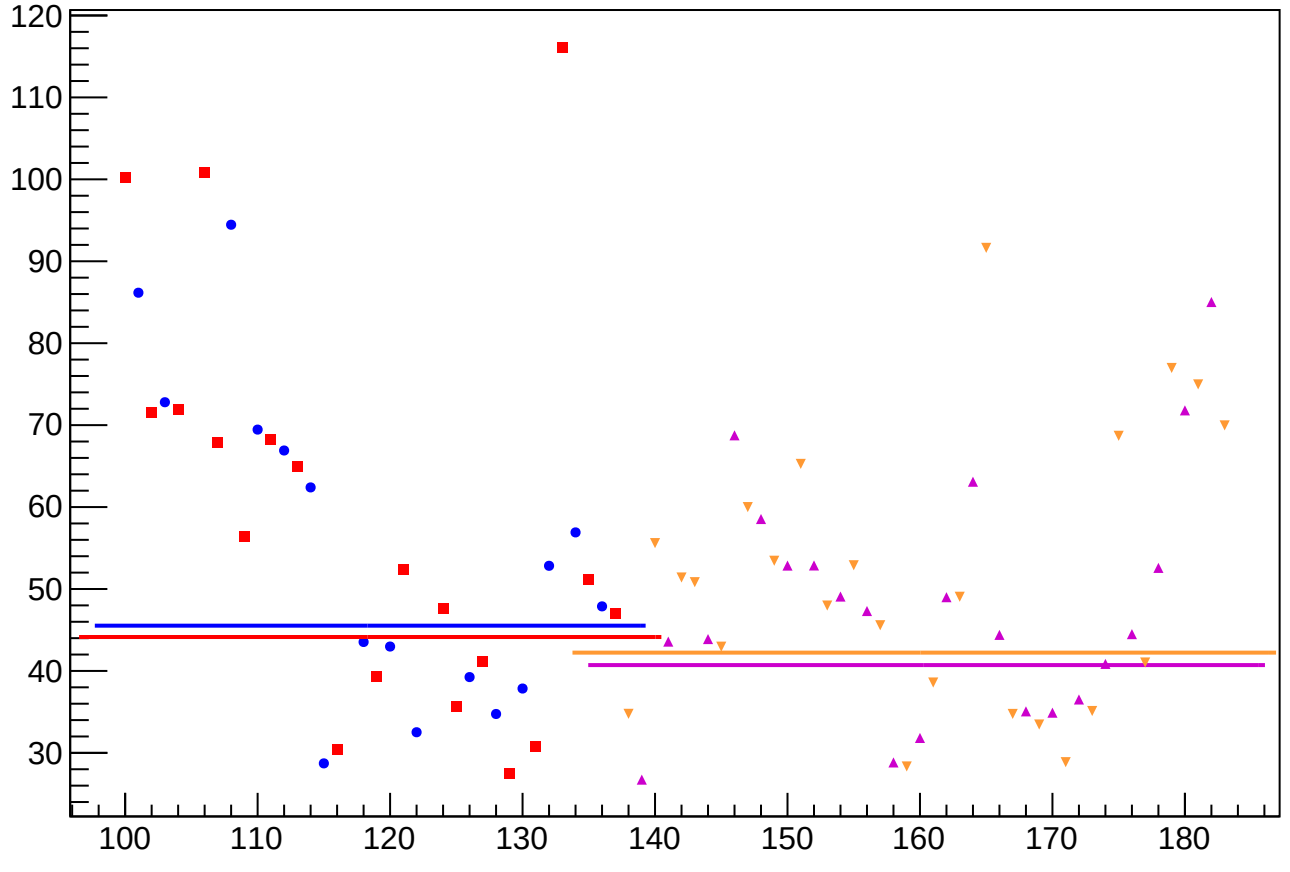
Left: 0.011+/-0.007 χ^2/NDF: 67.3/45

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:65.4/42

All: 0.006+/-0.006 χ^2/NDF: 108.1/80



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 42.235+/-0.007 χ^2/NDF:3140680.8/23

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.715+/-0.007 χ^2/NDF:2618132.2/21

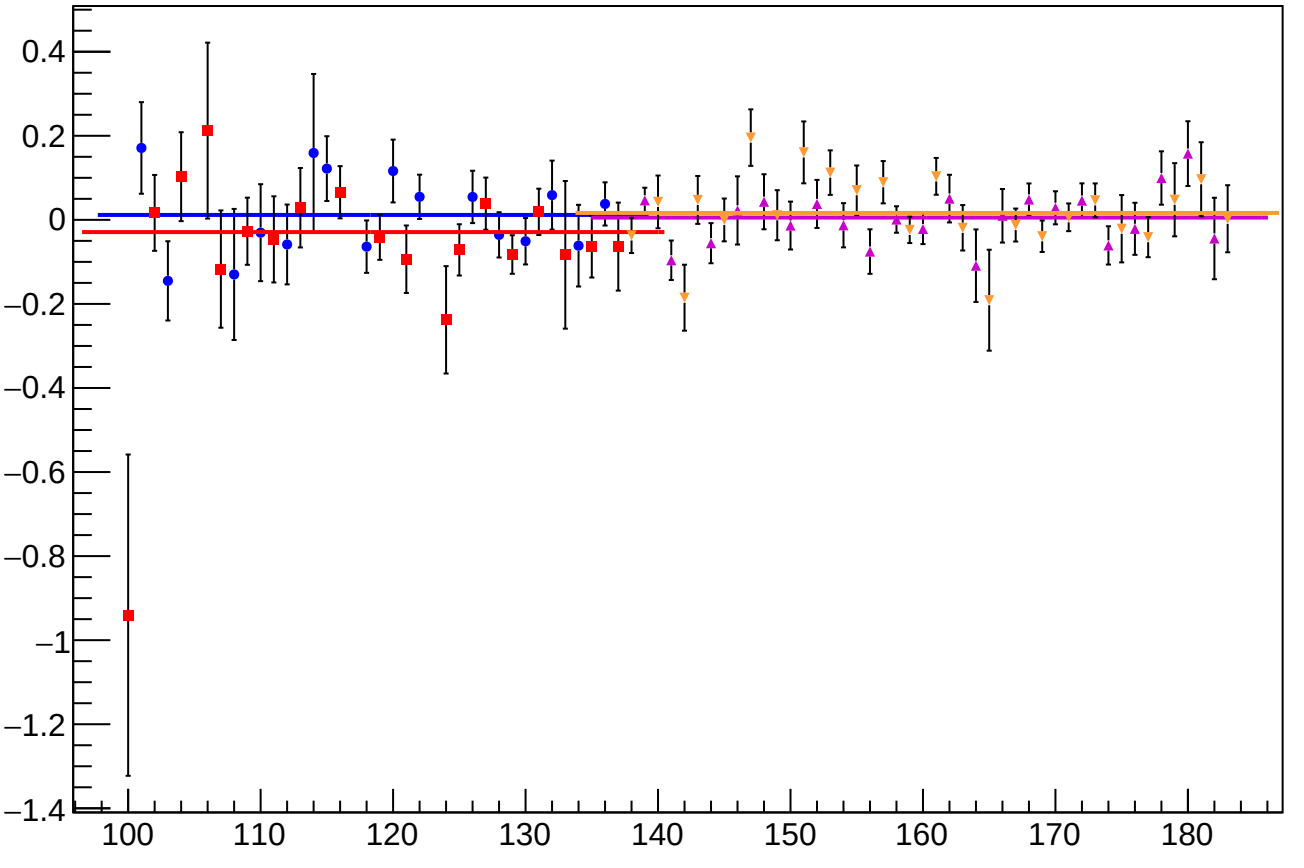
Left: 41.470+/-0.005 χ^2/NDF: 5780363.8/45

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.874+/-0.006 χ^2/NDF:3976754.0/37

Out: 42.715+/-0.006 χ^2/NDF:4901104.6/42

All: 42.296+/-0.004 χ^2/NDF: 8886615.6/80



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/23

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.010 χ^2/NDF:25.7/21

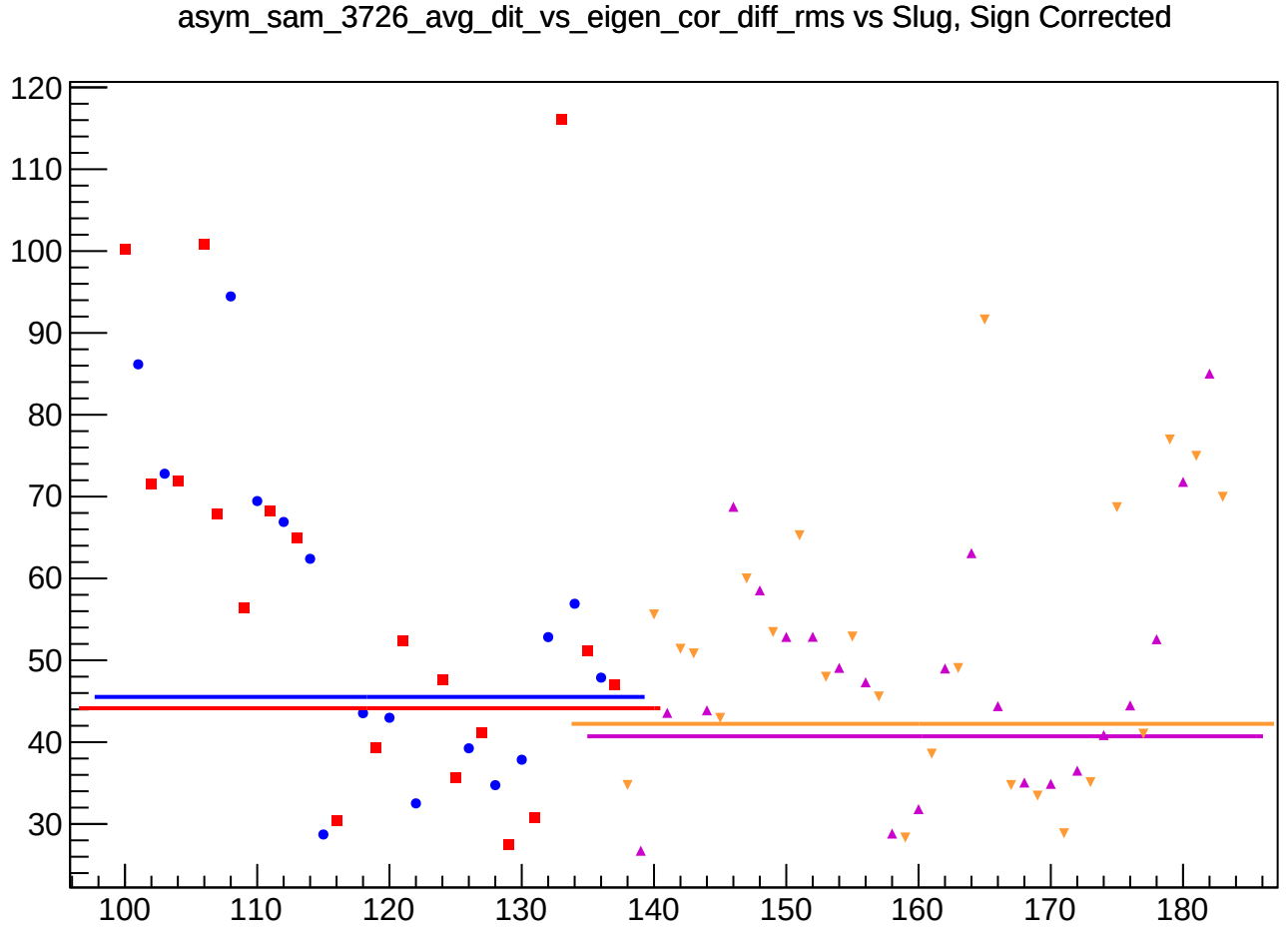
Left: 0.011+/-0.007 χ^2/NDF: 67.3/45

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:65.4/42

All: 0.006+/-0.006 χ^2/NDF: 108.1/80



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 42.235+/-0.007 χ^2/NDF:3140680.8/23

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.715+/-0.007 χ^2/NDF:2618132.2/21

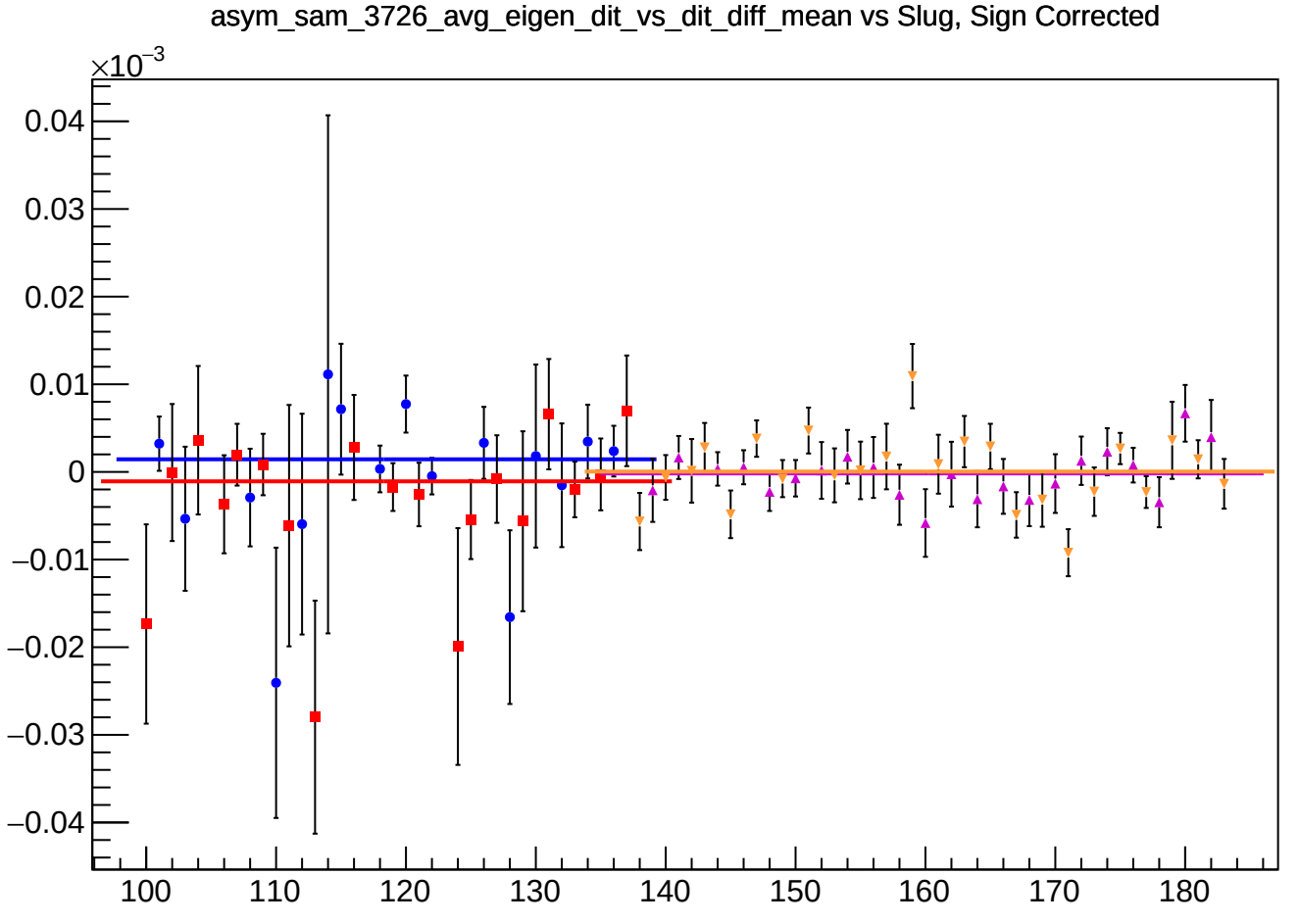
Left: 41.470+/-0.005 χ^2/NDF: 5780363.8/45

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.874+/-0.006 χ^2/NDF:3976754.0/37

Out: 42.715+/-0.006 χ^2/NDF:4901104.6/42

All: 42.296+/-0.004 χ^2/NDF: 8886615.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.1/23

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: 63.6/45

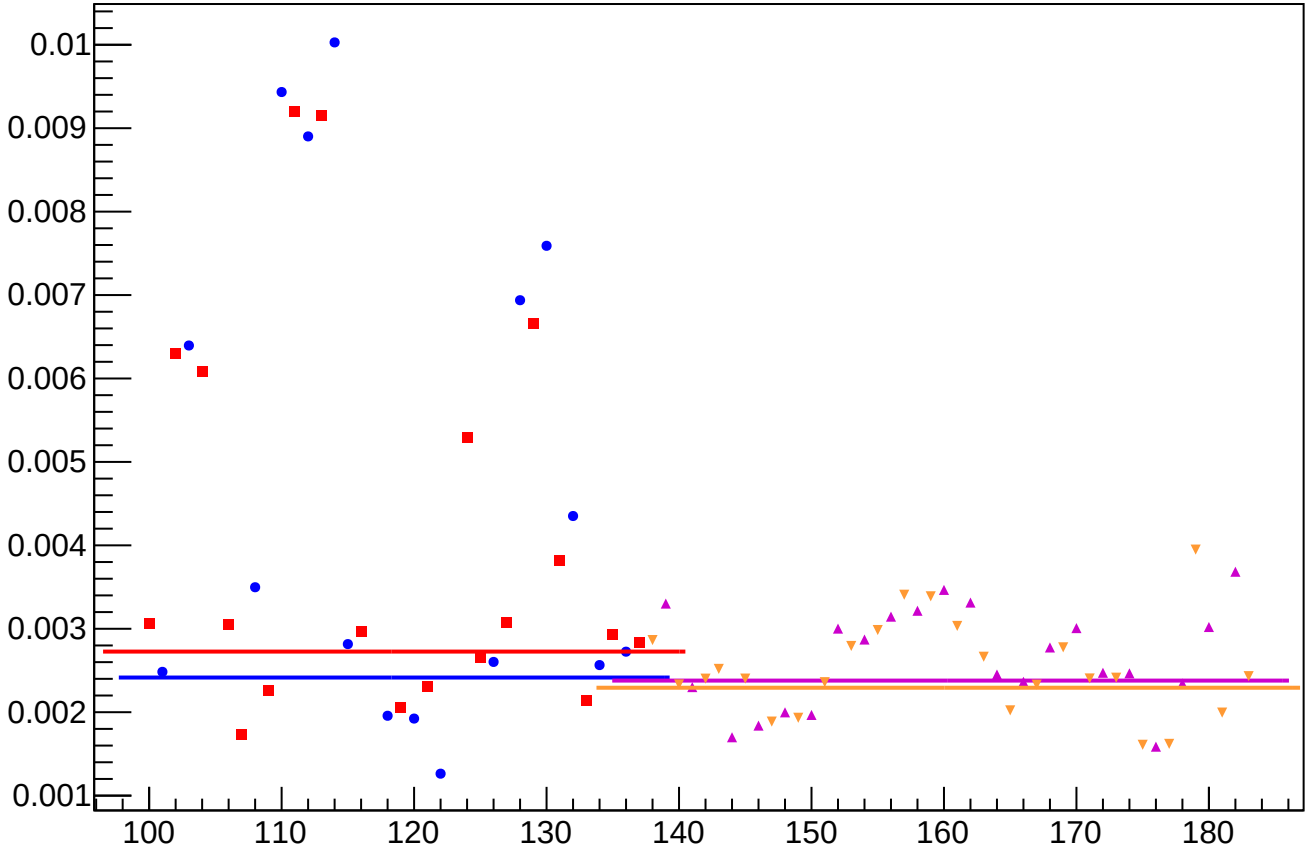
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:31.5/37

Out: -0.000+/-0.000 χ^2/NDF:63.7/42

All: 0.000+/-0.000 χ^2/NDF: 95.5/80

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:1817854.3/23

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: 3848895.3/45

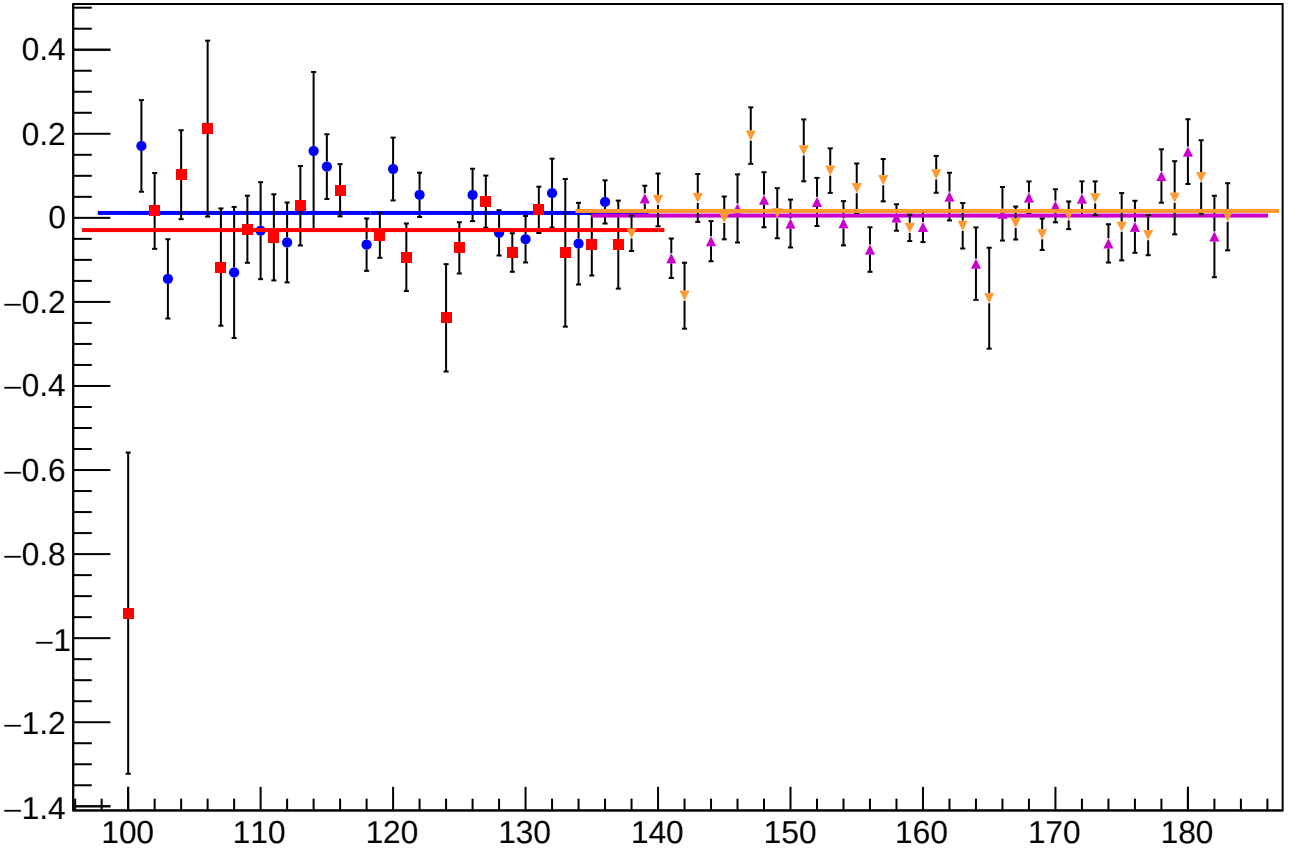
Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:5441859.9/37

Out: 0.002+/-0.000 χ^2/NDF:4565015.1/42

All: 0.002+/-0.000 χ^2/NDF: 10007523.5/80

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: 0.016+/-0.010 χ^2/NDF:41.1/23

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: 67.3/45

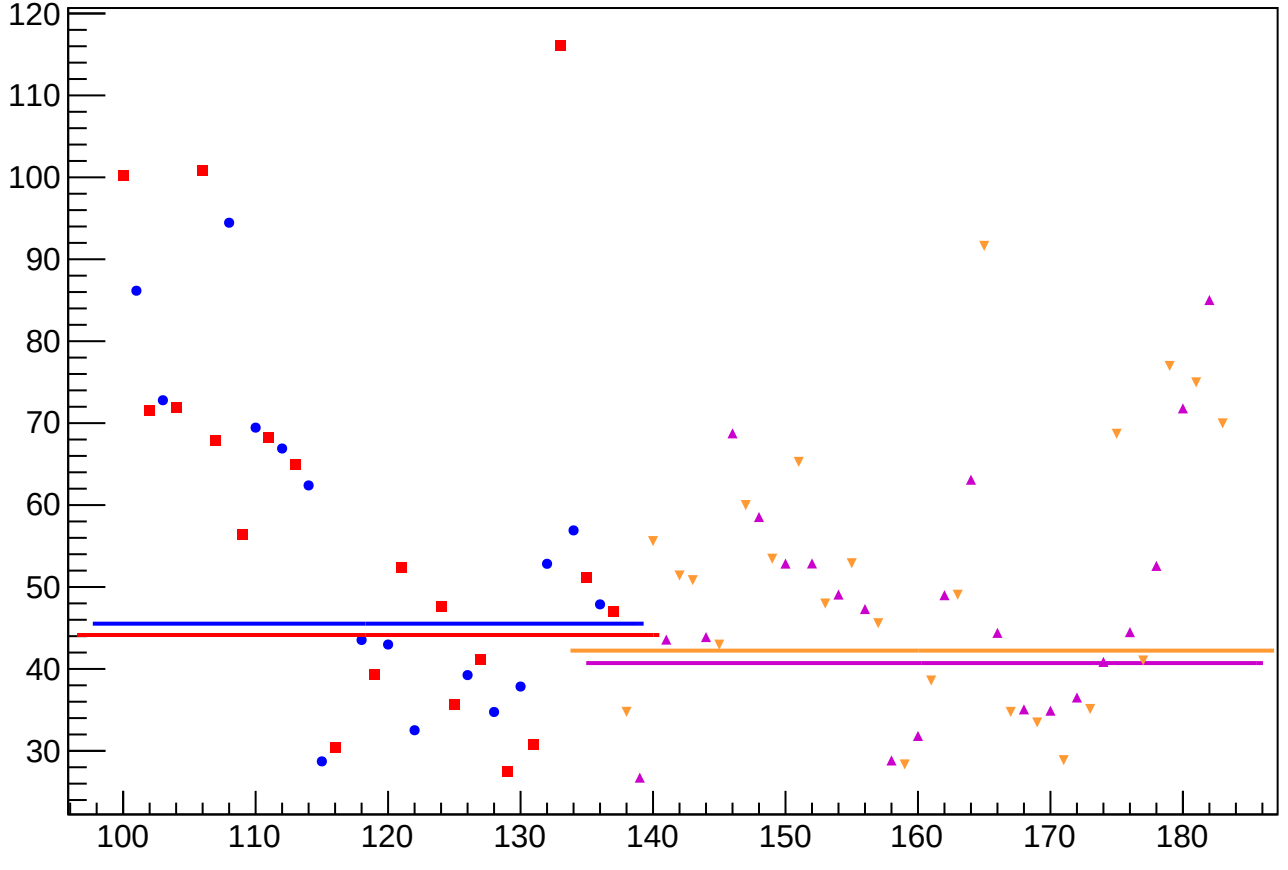
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:42.6/37

Out: 0.005+/-0.009 χ^2/NDF:65.5/42

All: 0.006+/-0.006 χ^2/NDF: 108.1/80

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 42.235+/-0.007 χ^2/NDF:3140704.5/23

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: 41.471+/-0.005 χ^2/NDF: 5780408.9/45

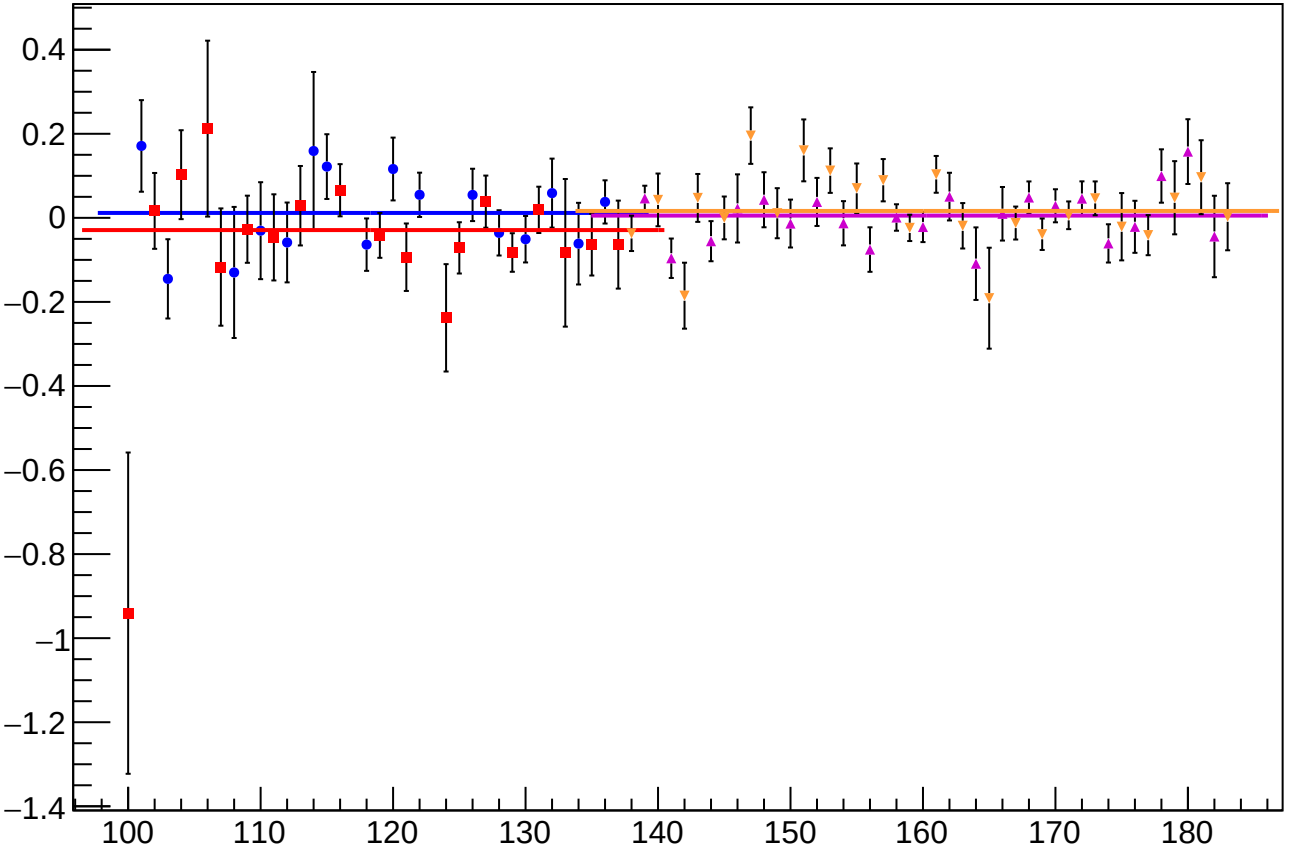
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.875+/-0.006 χ^2/NDF:3976717.3/37

Out: 42.716+/-0.006 χ^2/NDF:4901049.7/42

All: 42.296+/-0.004 χ^2/NDF: 8886524.4/80

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: 0.016+/-0.010 χ^2/NDF:41.1/23

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: 67.3/45

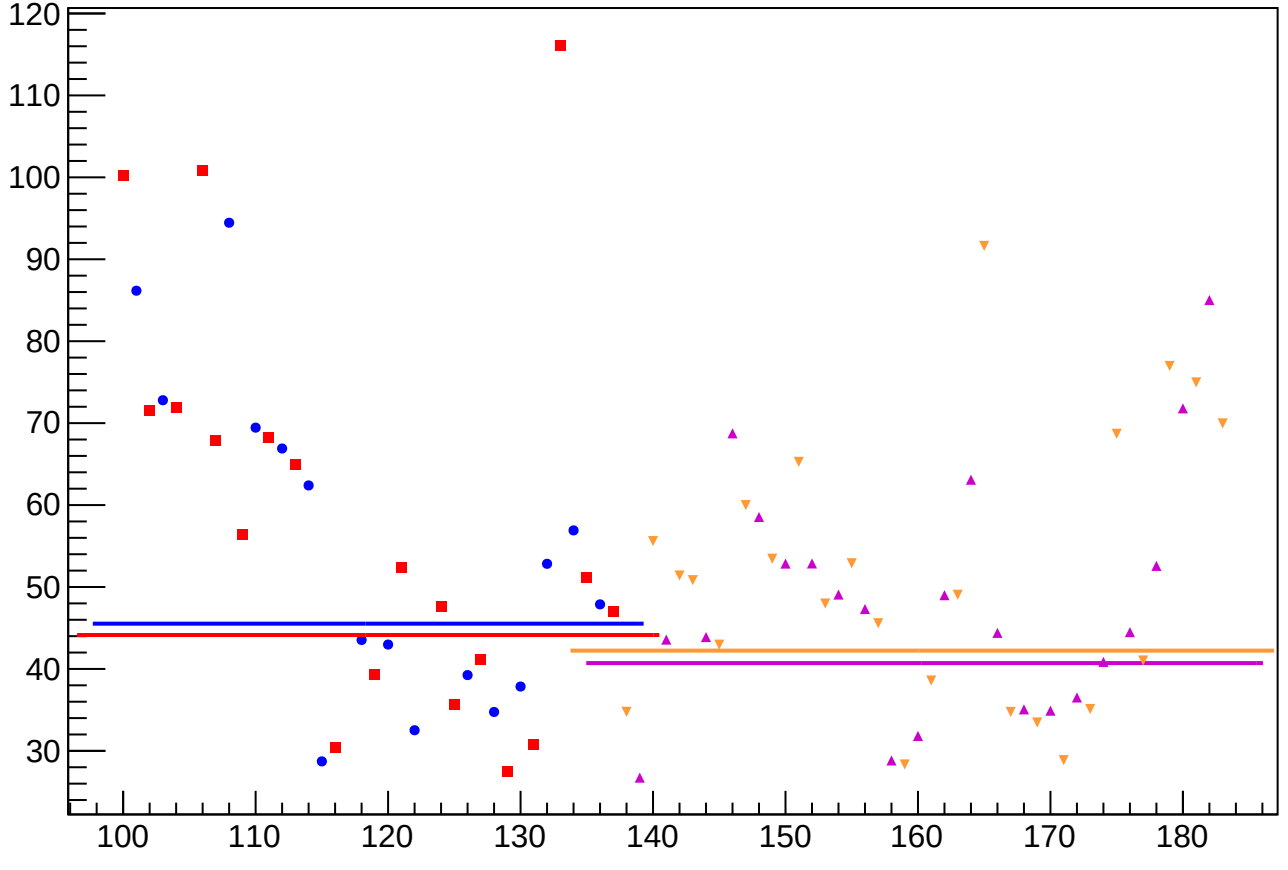
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:42.6/37

Out: 0.005+/-0.009 χ^2/NDF:65.5/42

All: 0.006+/-0.006 χ^2/NDF: 108.1/80

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 42.235+/-0.007 χ^2/NDF:3140704.5/23

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 40.715+/-0.007 χ^2/NDF:2618155.6/21

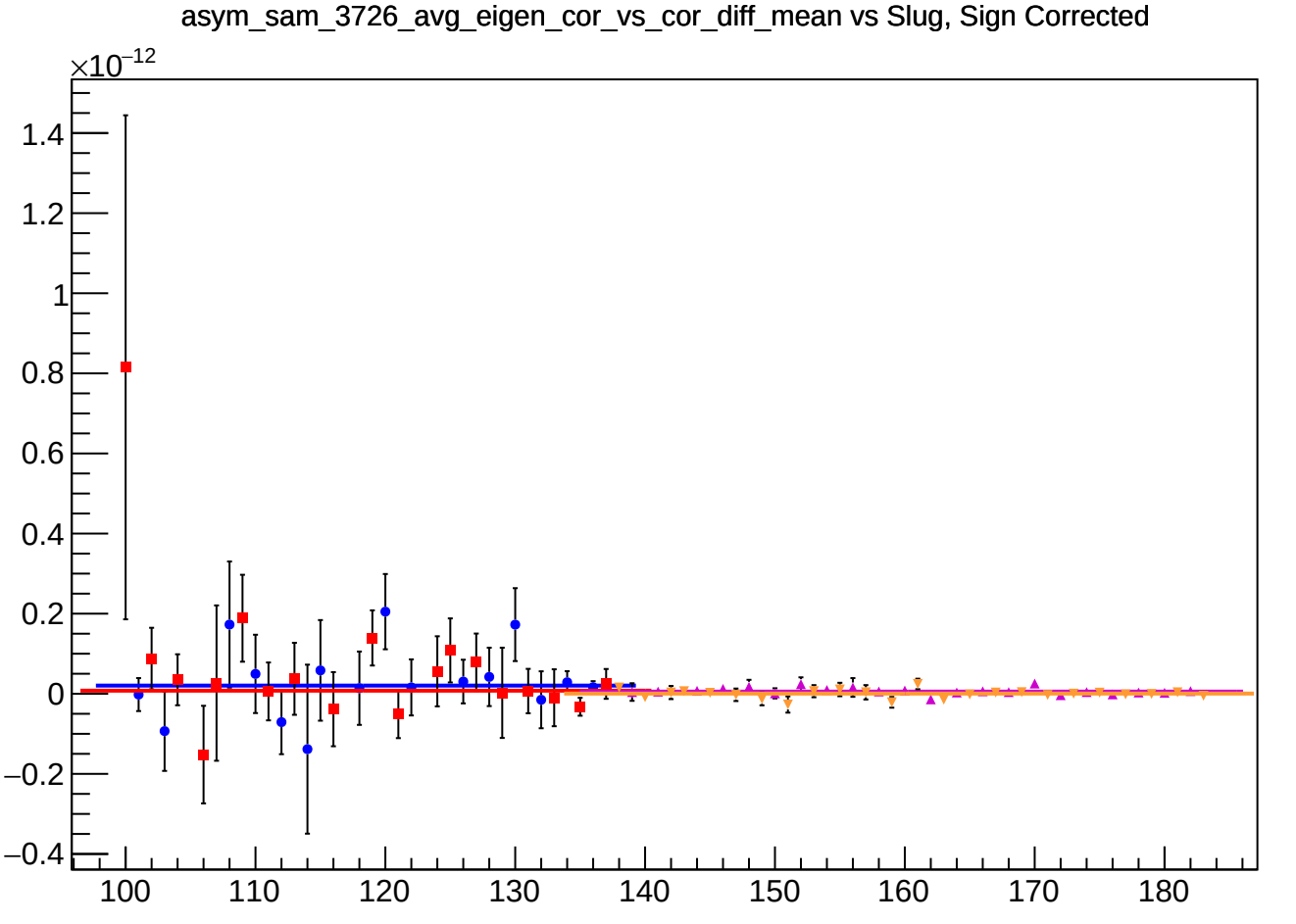
Left: 41.471+/-0.005 χ^2/NDF: 5780408.9/45

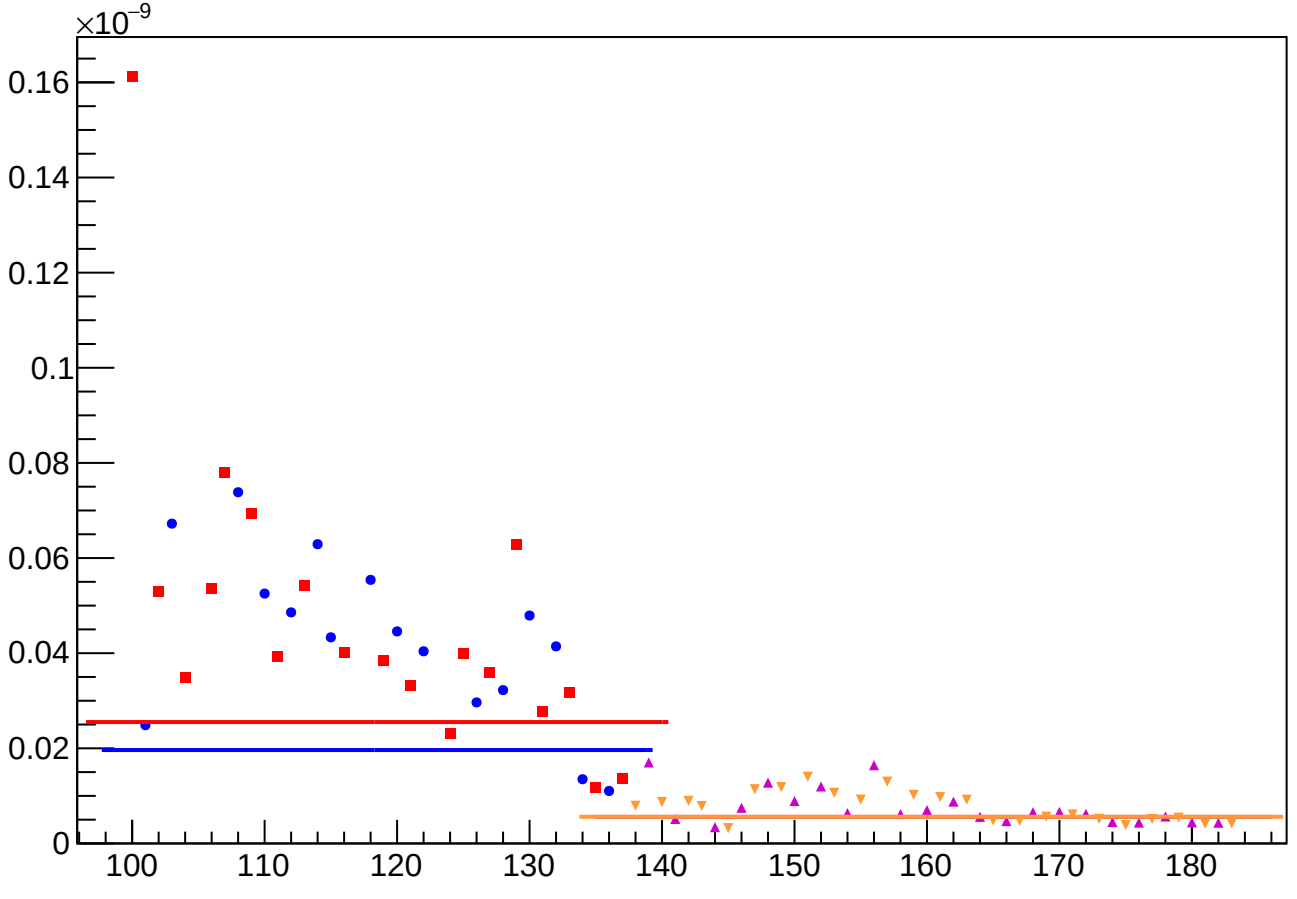
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.875+/-0.006 χ^2/NDF:3976717.3/37

Out: 42.716+/-0.006 χ^2/NDF:4901049.7/42

All: 42.296+/-0.004 χ^2/NDF: 8886524.4/80


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:15.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 18.8/18
Left In: 0.000+/-0.000 χ²/NDF:12.9/21
Left: 0.000+/-0.000 χ²/NDF: 31.7/45
Right: 0.000+/-0.000 χ²/NDF: 31.1/34
In: 0.000+/-0.000 χ²/NDF:26.4/37
Out: 0.000+/-0.000 χ²/NDF:34.3/42
All: 0.000+/-0.000 χ²/NDF: 64.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3490683.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2672027.9/21

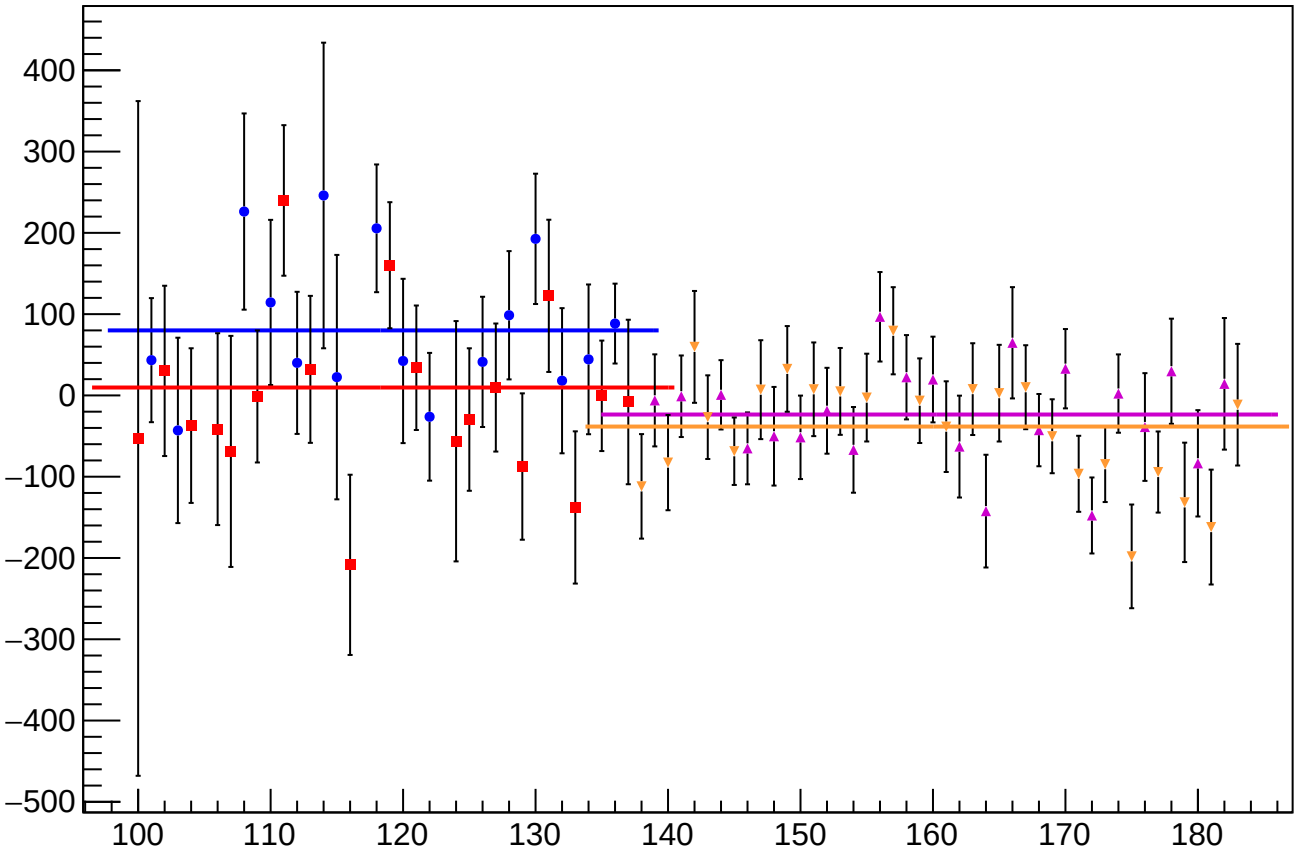
Left: 0.000+/-0.000 χ^2/NDF: 6162933.3/45

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:10350217.4/42

All: 0.000+/-0.000 χ^2/NDF: 19342933.6/80



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -38.311+/-11.216 χ^2/NDF:30.7/23

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -23.500+/-11.513 χ^2/NDF:24.6/21

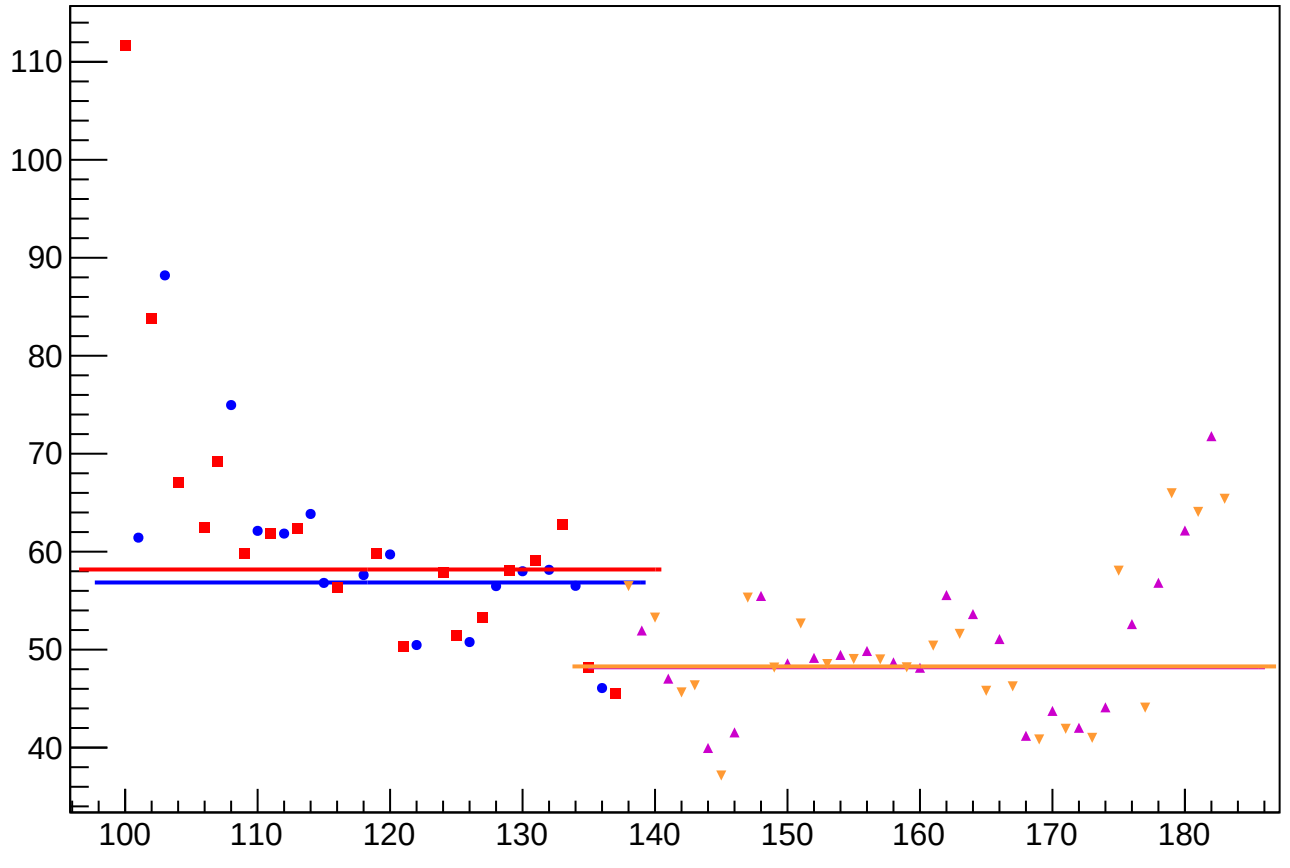
Left: -31.099+/-8.034 χ^2/NDF: 56.1/45

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: -0.394+/-10.147 χ^2/NDF:54.2/37

Out: -28.121+/-9.956 χ^2/NDF:55.0/42

All: -14.521+/-7.106 χ^2/NDF: 112.9/80



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.286+/-0.008 χ^2/NDF:773187.8/23

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 48.198+/-0.008 χ^2/NDF:626741.5/21

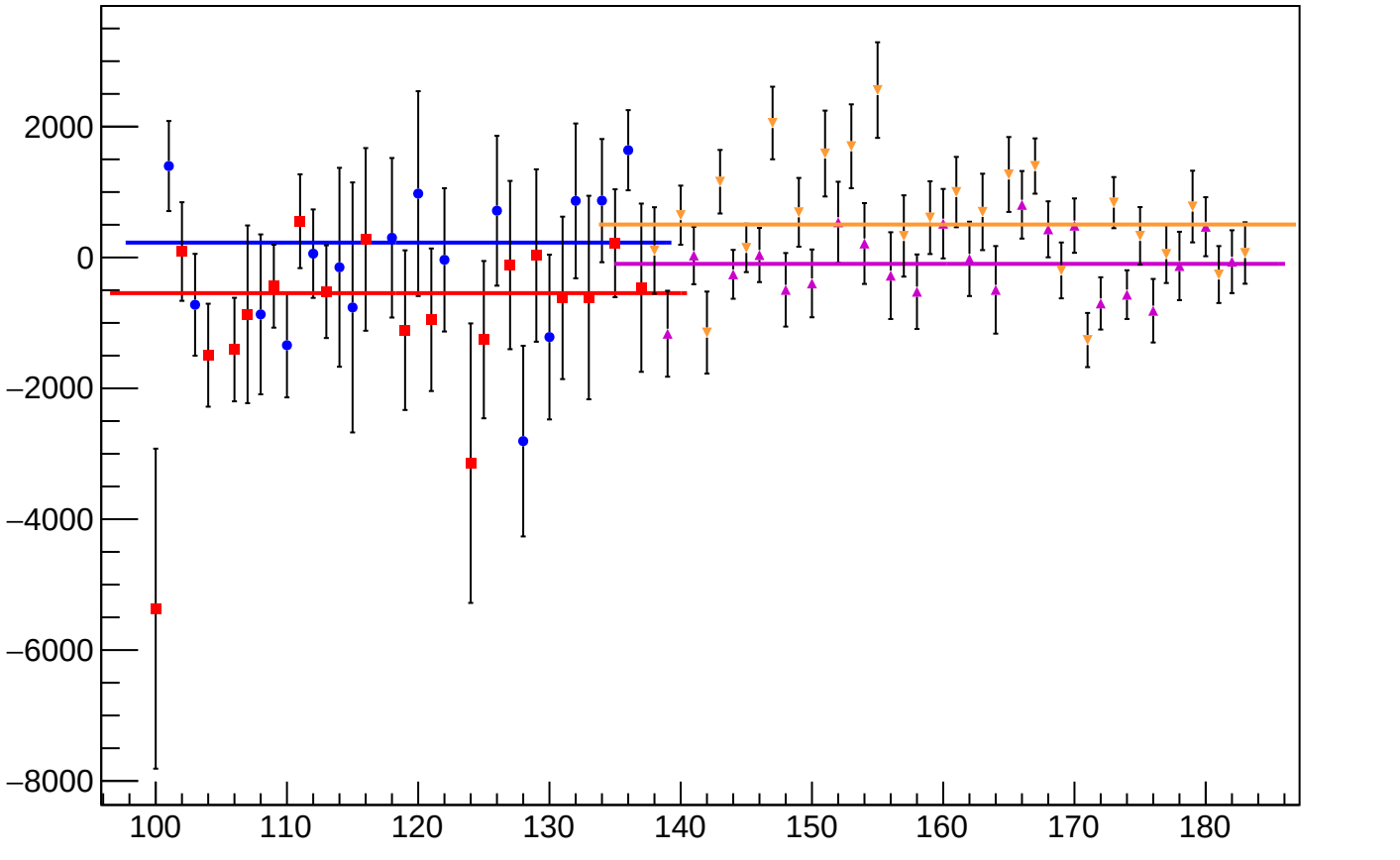
Left: 48.243+/-0.006 χ^2/NDF: 1399988.7/45

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 50.131+/-0.007 χ^2/NDF:1220743.8/37

Out: 50.385+/-0.007 χ^2/NDF:1418043.2/42

All: 50.260+/-0.005 χ^2/NDF: 2639425.4/80



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 503.841+/-101.569 χ^2/NDF:66.6/23

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -97.439+/-103.959 χ^2/NDF:21.7/21

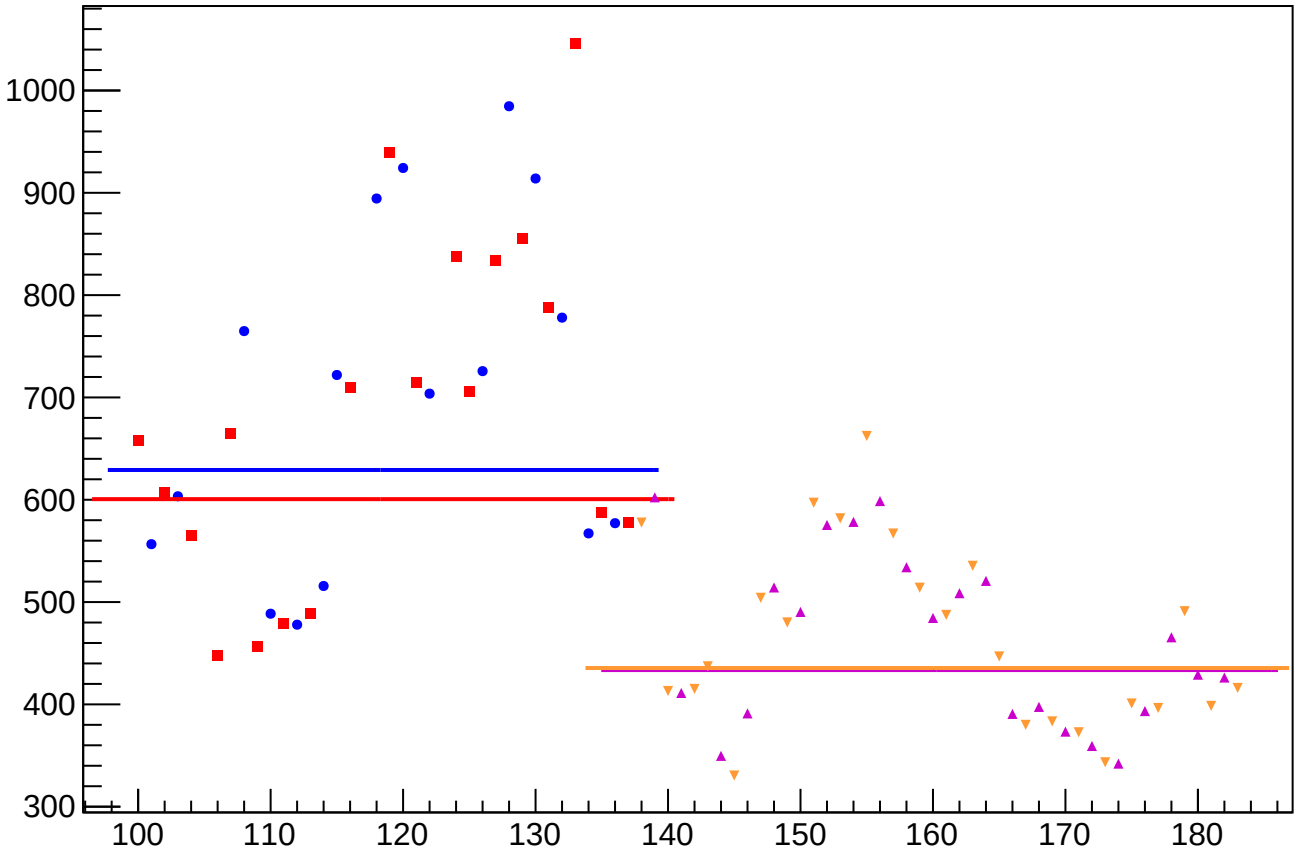
Left: 210.193+/-72.650 χ^2/NDF: 105.4/45

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -46.540+/-95.471 χ^2/NDF:44.9/37

Out: 329.237+/-92.728 χ^2/NDF:97.7/42

All: 146.824+/-66.517 χ^2/NDF: 150.5/80



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 435.534+/-0.072 χ^2/NDF:1219750.8/23

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 433.532+/-0.074 χ^2/NDF:1094370.4/21

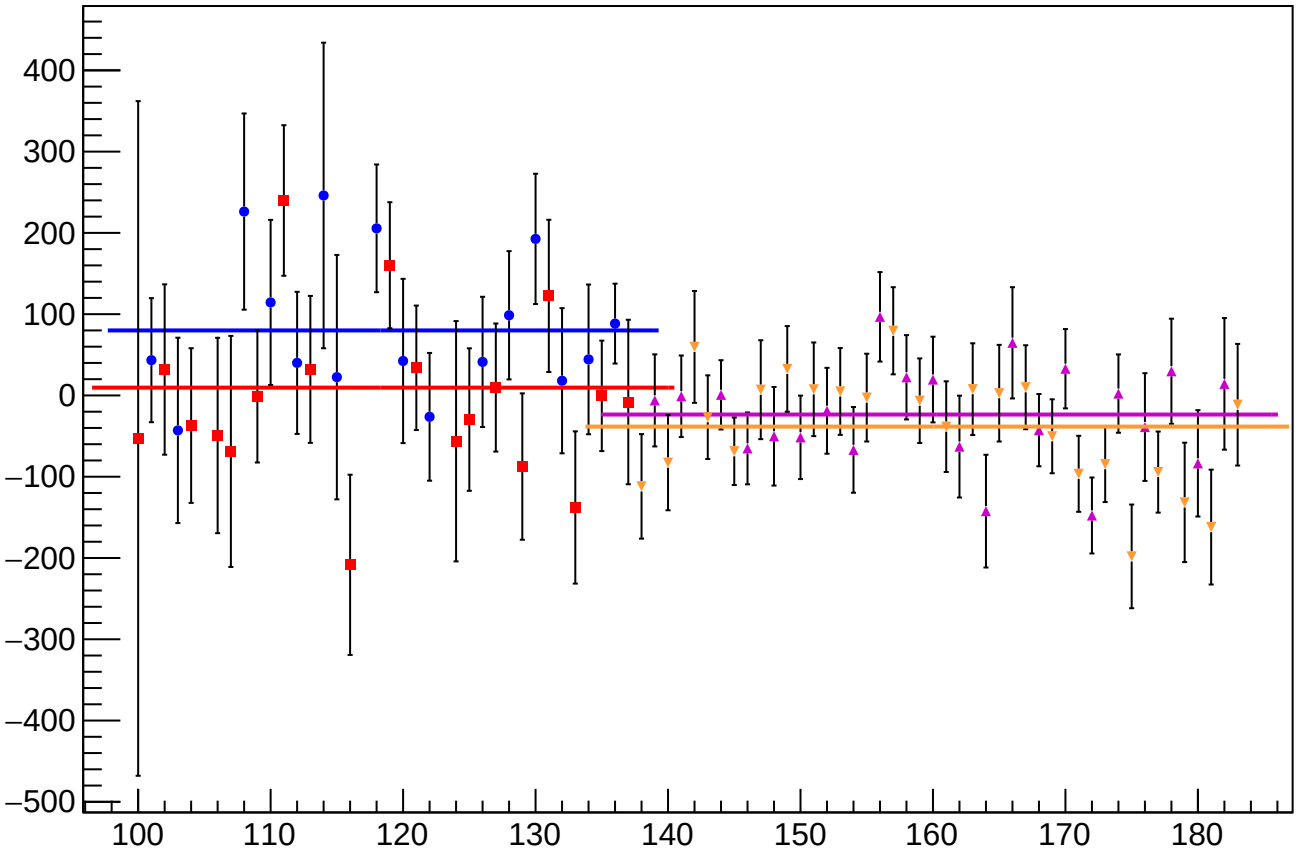
Left: 434.556+/-0.051 χ^2/NDF: 2314500.7/45

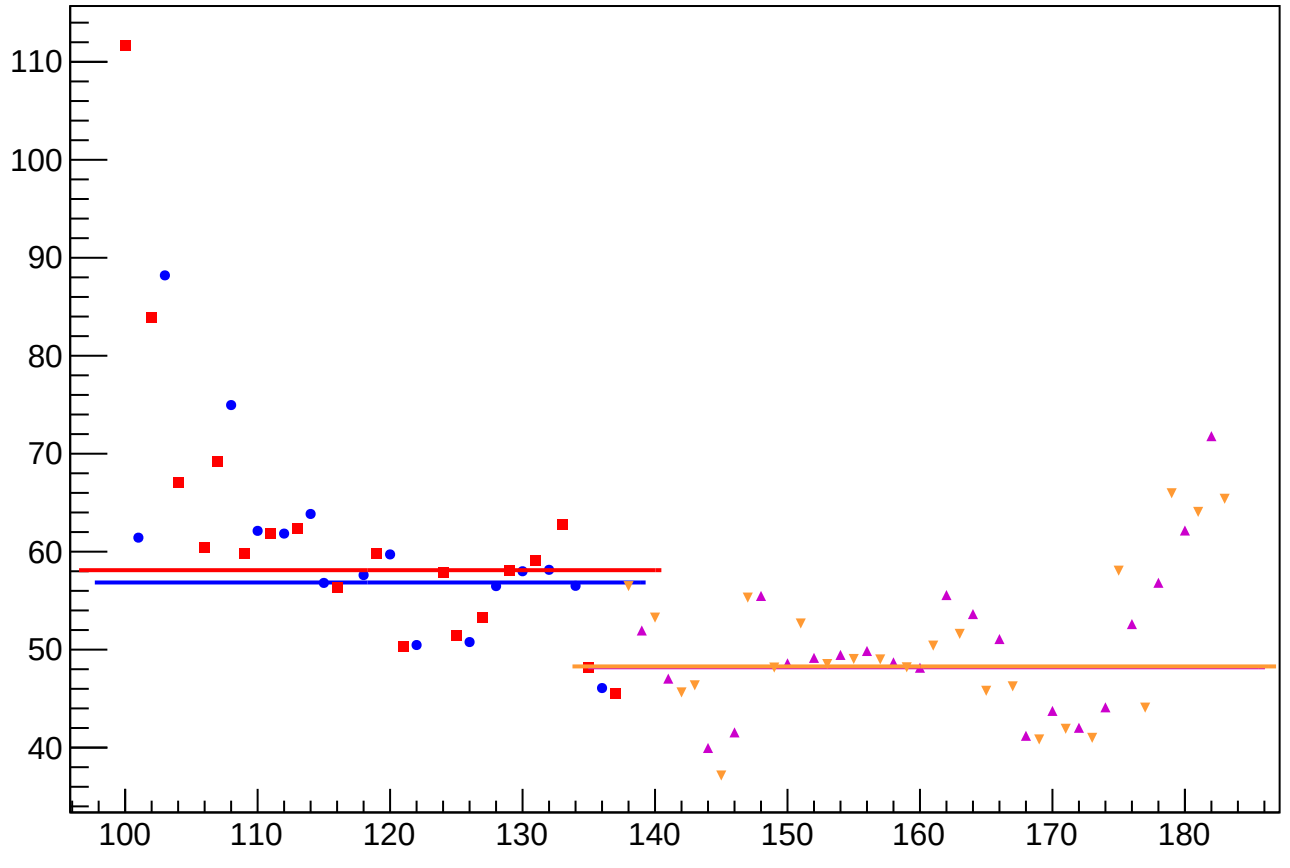
Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 464.165+/-0.068 χ^2/NDF:2895699.0/37

Out: 463.018+/-0.066 χ^2/NDF:2973852.1/42

All: 463.575+/-0.047 χ^2/NDF: 5869699.5/80


cor_asym_sam_15_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
−400
−500
100
110
120
130
140
150
160
170
180
Right In: 79.998+/-21.474 χ²/NDF: 11.6/15
Left Out: -38.315+/-11.216 χ²/NDF:30.7/23
Right Out: 9.619+/-21.631 χ²/NDF: 20.4/18
Left In: -23.502+/-11.513 χ²/NDF:24.6/21
Left: -31.102+/-8.034 χ²/NDF: 56.2/45
Right: 45.064+/-15.240 χ²/NDF: 37.3/34
In: -0.394+/-10.147 χ²/NDF:54.2/37
Out: -28.158+/-9.957 χ²/NDF:55.0/42
All: -14.538+/-7.107 χ²/NDF: 113.0/80



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.286+/-0.008 χ^2/NDF:773187.8/23

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 48.198+/-0.008 χ^2/NDF:626741.5/21

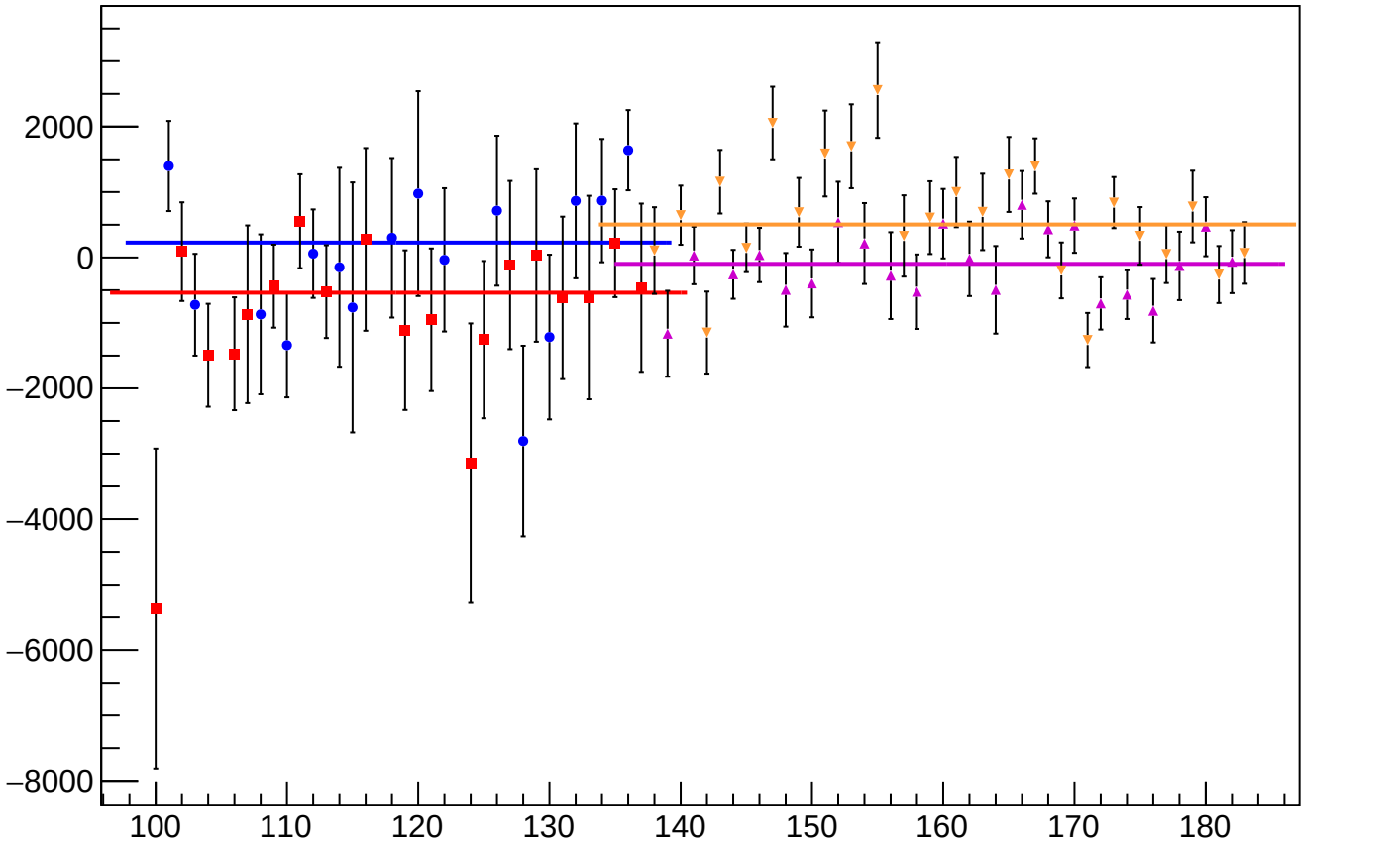
Left: 48.243+/-0.006 χ^2/NDF: 1399988.8/45

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.131+/-0.007 χ^2/NDF:1220747.9/37

Out: 50.368+/-0.007 χ^2/NDF:1411296.0/42

All: 50.252+/-0.005 χ^2/NDF: 2632599.3/80



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 503.838+/-101.569 χ^2/NDF:66.6/23

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: 210.190+/-72.650 χ^2/NDF: 105.4/45

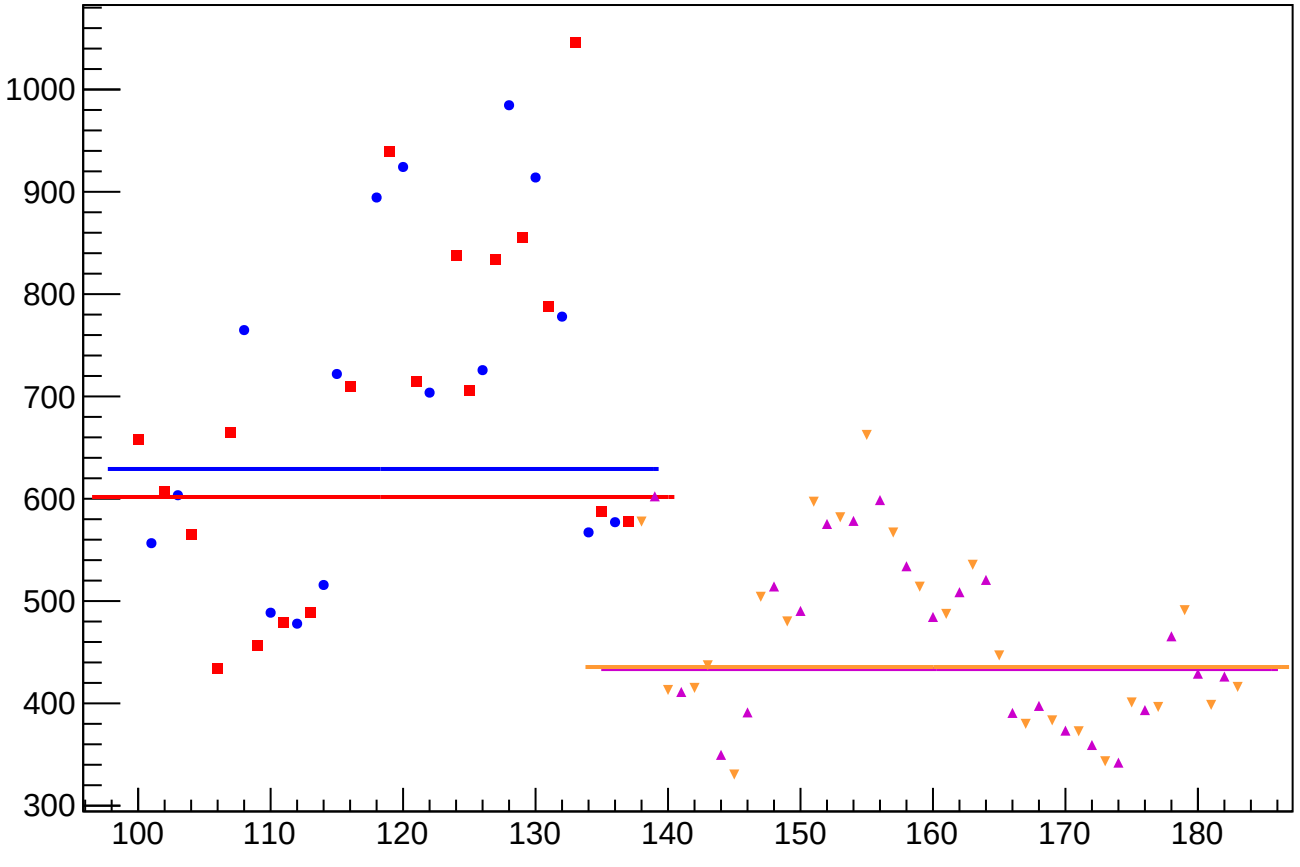
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -46.538+/-95.471 χ^2/NDF:44.9/37

Out: 332.251+/-92.830 χ^2/NDF:97.2/42

All: 148.169+/-66.555 χ^2/NDF: 150.2/80

asym_sam_15_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 435.534+/-0.072 χ^2/NDF:1219749.9/23

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 433.532+/-0.074 χ^2/NDF:1094370.2/21

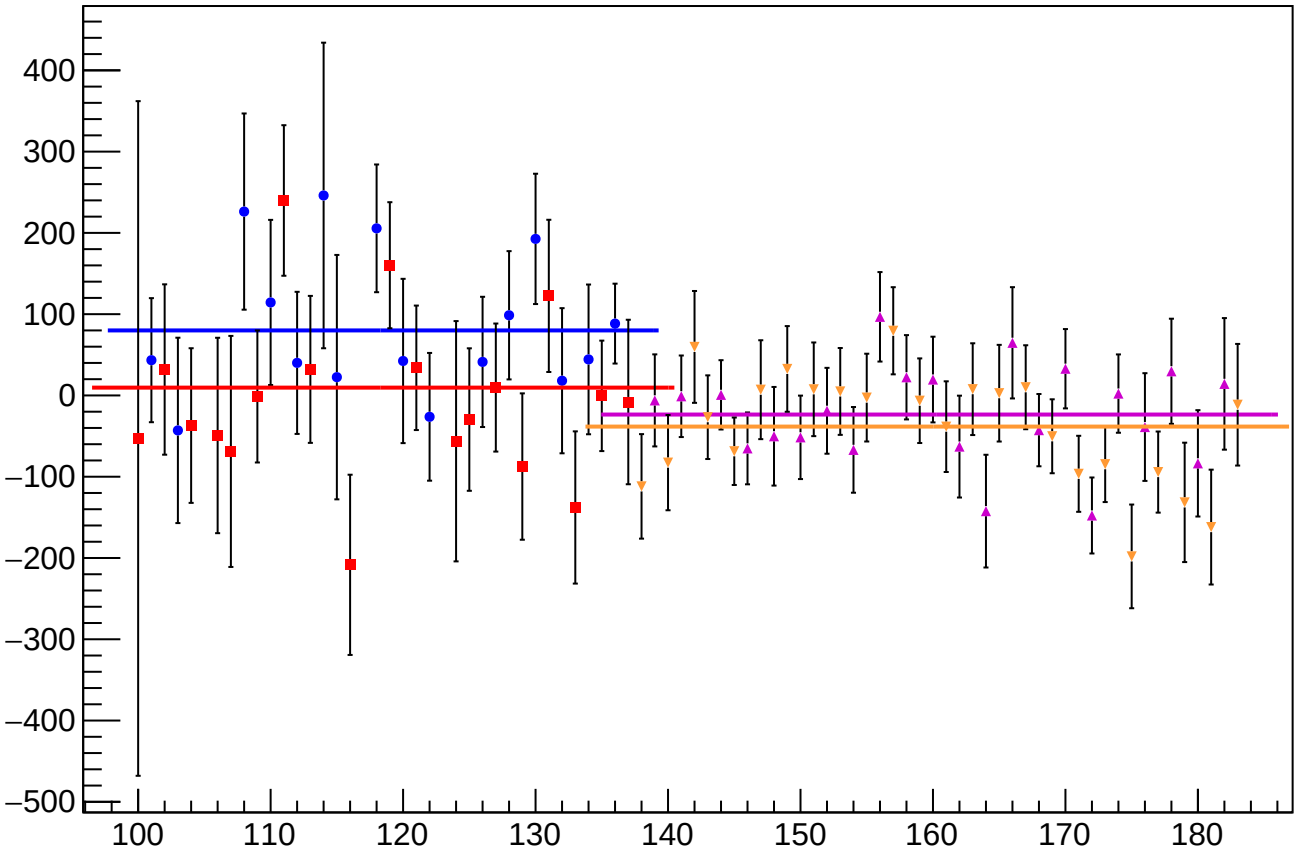
Left: 434.556+/-0.051 χ^2/NDF: 2314499.5/45

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 464.165+/-0.068 χ^2/NDF:2895729.0/37

Out: 462.901+/-0.066 χ^2/NDF:2975526.5/42

All: 463.515+/-0.047 χ^2/NDF: 5871435.7/80



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -38.315+/-11.216 χ^2/NDF:30.7/23

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -23.502+/-11.513 χ^2/NDF:24.6/21

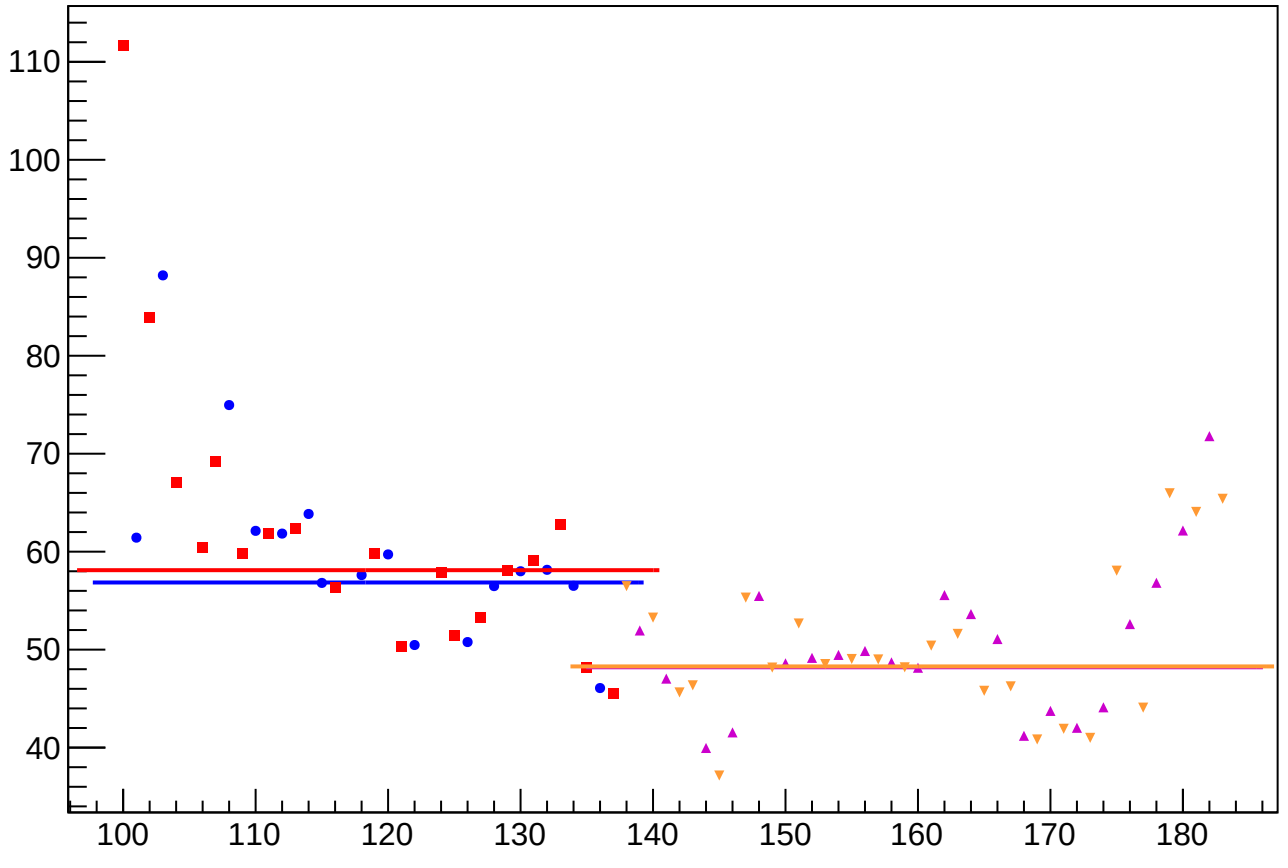
Left: -31.102+/-8.034 χ^2/NDF: 56.2/45

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: -0.394+/-10.147 χ^2/NDF:54.2/37

Out: -28.158+/-9.957 χ^2/NDF:55.0/42

All: -14.538+/-7.107 χ^2/NDF: 113.0/80



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.286+/-0.008 χ^2/NDF:773187.8/23

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 48.198+/-0.008 χ^2/NDF:626741.5/21

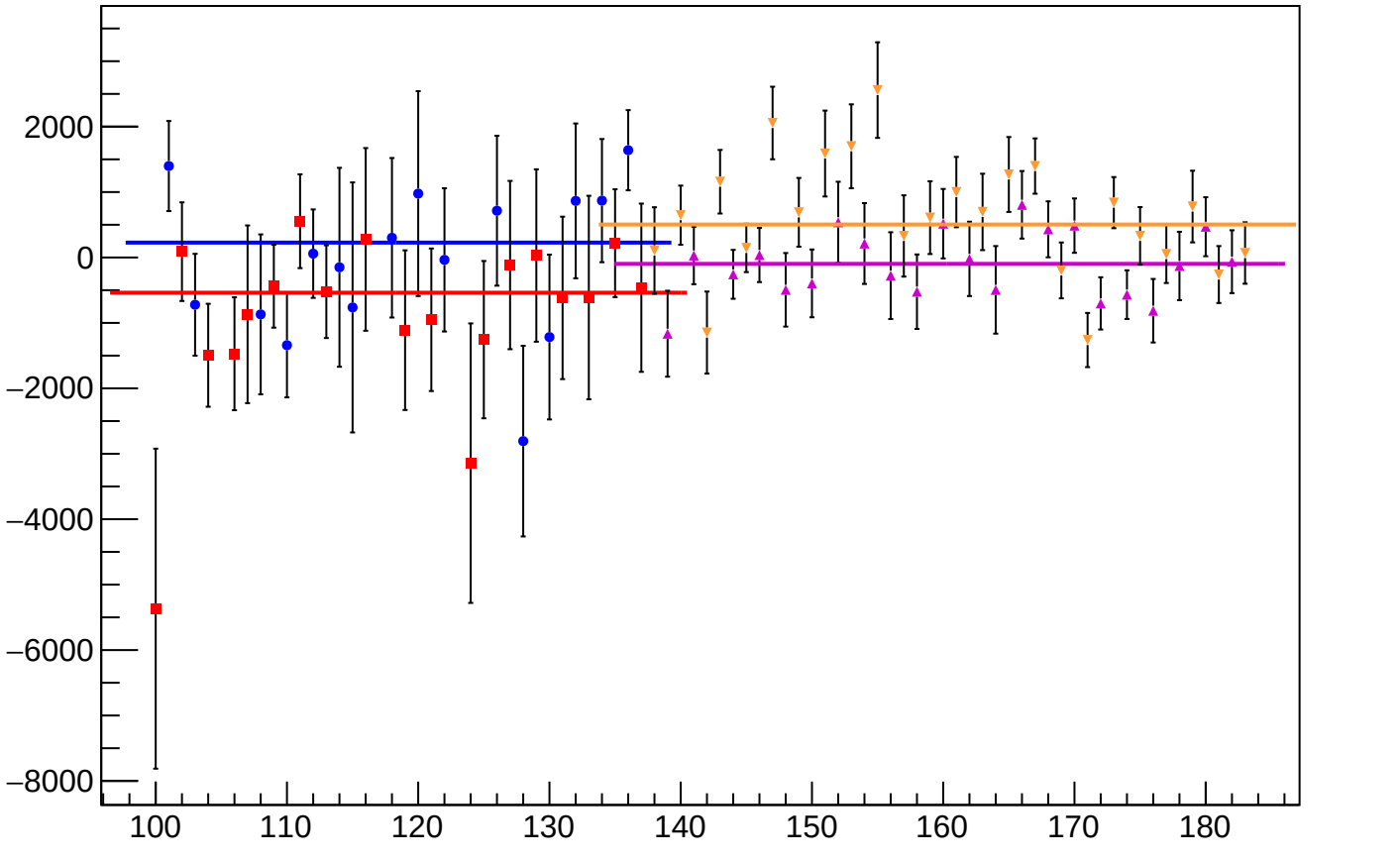
Left: 48.243+/-0.006 χ^2/NDF: 1399988.8/45

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.131+/-0.007 χ^2/NDF:1220747.9/37

Out: 50.368+/-0.007 χ^2/NDF:1411296.0/42

All: 50.252+/-0.005 χ^2/NDF: 2632599.3/80



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 503.838+/-101.569 χ^2/NDF:66.6/23

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: 210.190+/-72.650 χ^2/NDF: 105.4/45

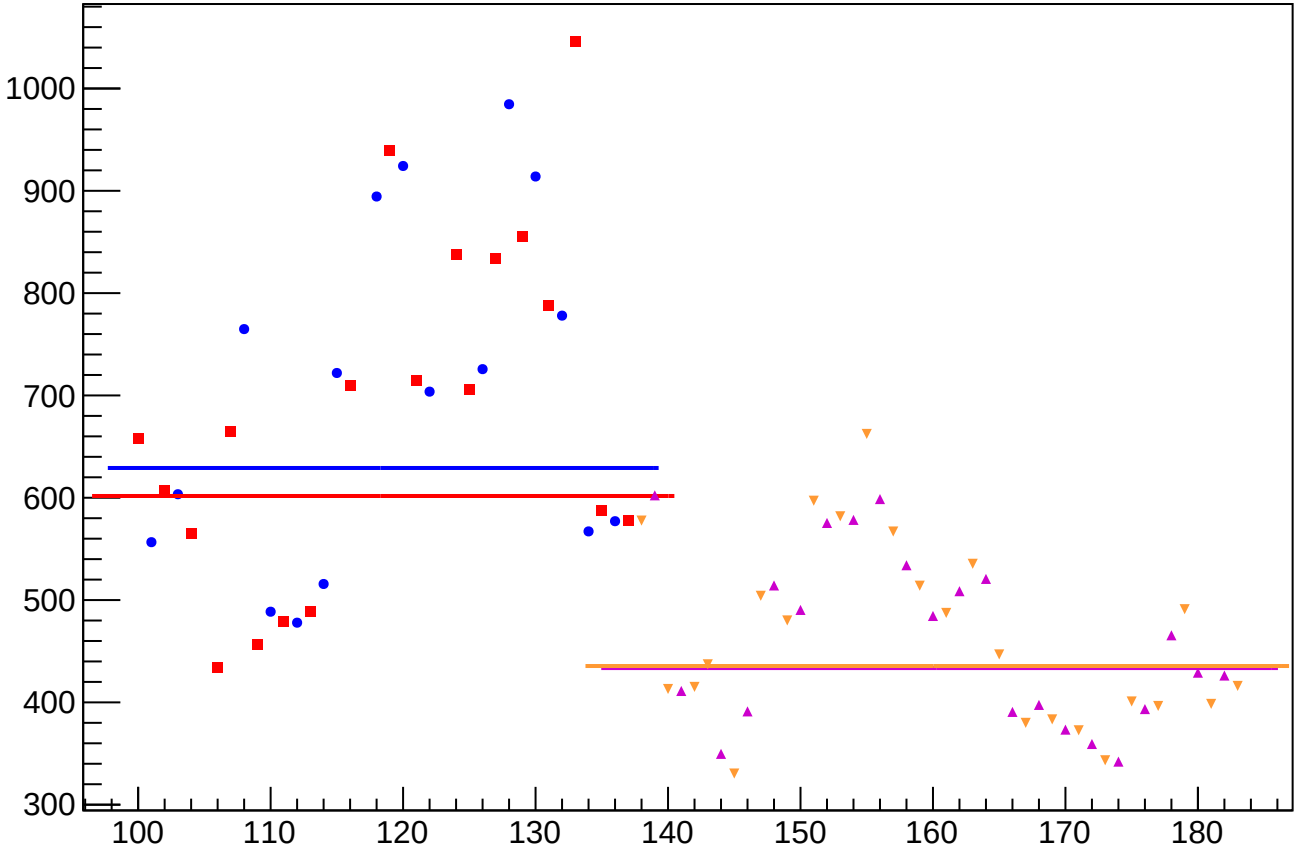
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -46.538+/-95.471 χ^2/NDF:44.9/37

Out: 332.251+/-92.830 χ^2/NDF:97.2/42

All: 148.169+/-66.555 χ^2/NDF: 150.2/80

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: 435.534+/-0.072 χ^2/NDF:1219749.9/23

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 433.532+/-0.074 χ^2/NDF:1094370.2/21

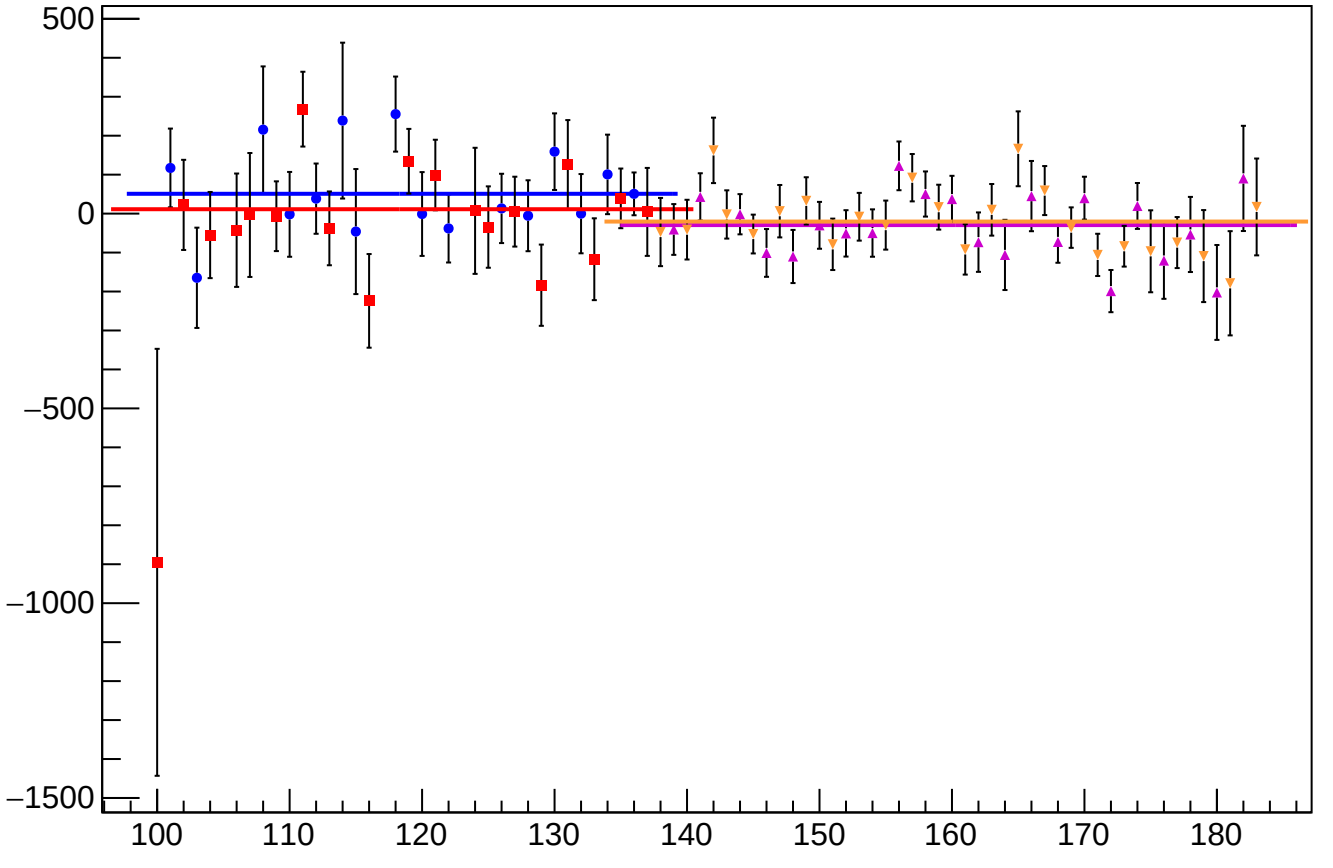
Left: 434.556+/-0.051 χ^2/NDF: 2314499.5/45

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 464.165+/-0.068 χ^2/NDF:2895729.0/37

Out: 462.901+/-0.066 χ^2/NDF:2975526.5/42

All: 463.515+/-0.047 χ^2/NDF: 5871435.7/80



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -20.411+/-13.685 χ^2/NDF:25.1/23

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -29.463+/-14.020 χ^2/NDF:32.0/21

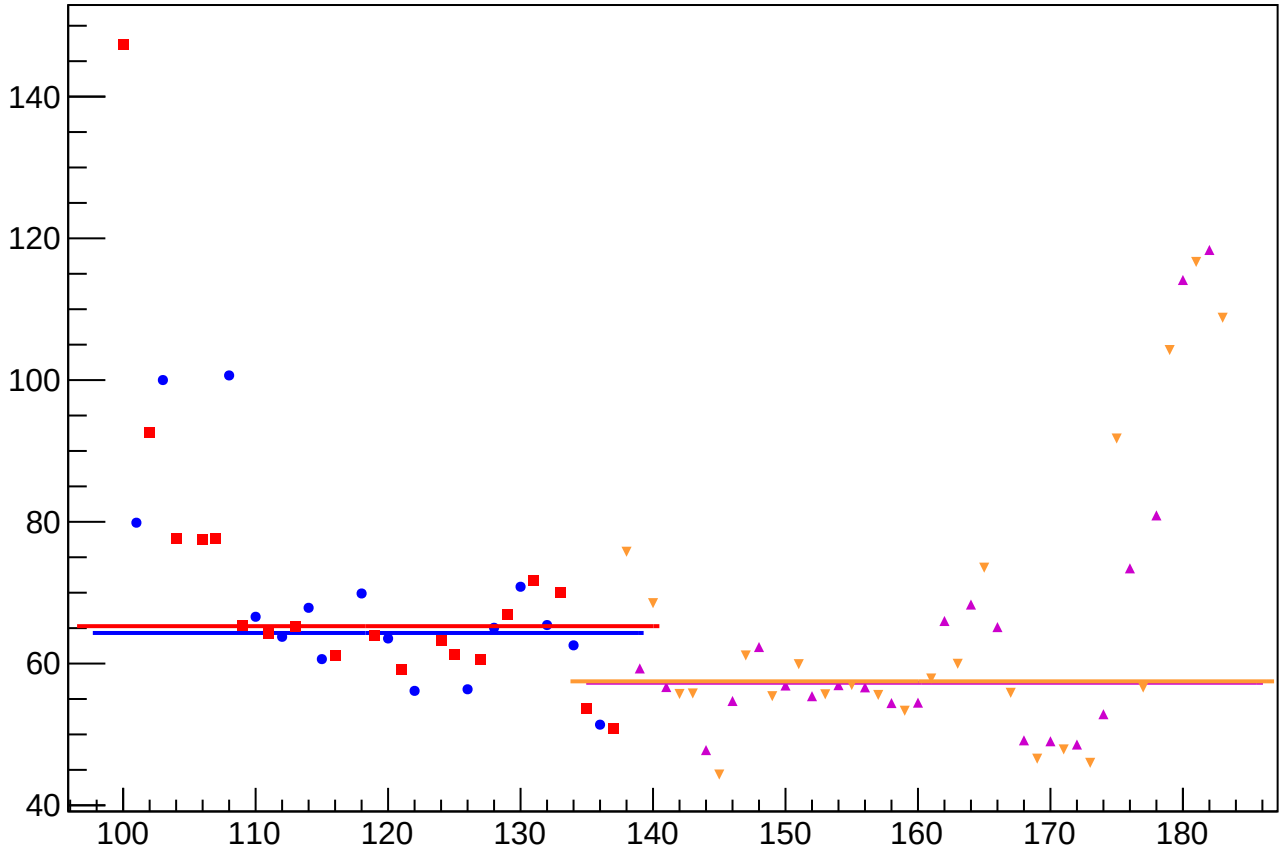
Left: -24.828+/-9.793 χ^2/NDF: 57.3/45

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: -9.638+/-12.168 χ^2/NDF:53.9/37

Out: -12.797+/-11.927 χ^2/NDF:50.4/42

All: -11.249+/-8.517 χ^2/NDF: 104.3/80



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 57.490+/-0.010 χ^2/NDF:1861745.8/23

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 57.294+/-0.010 χ^2/NDF:1340291.9/21

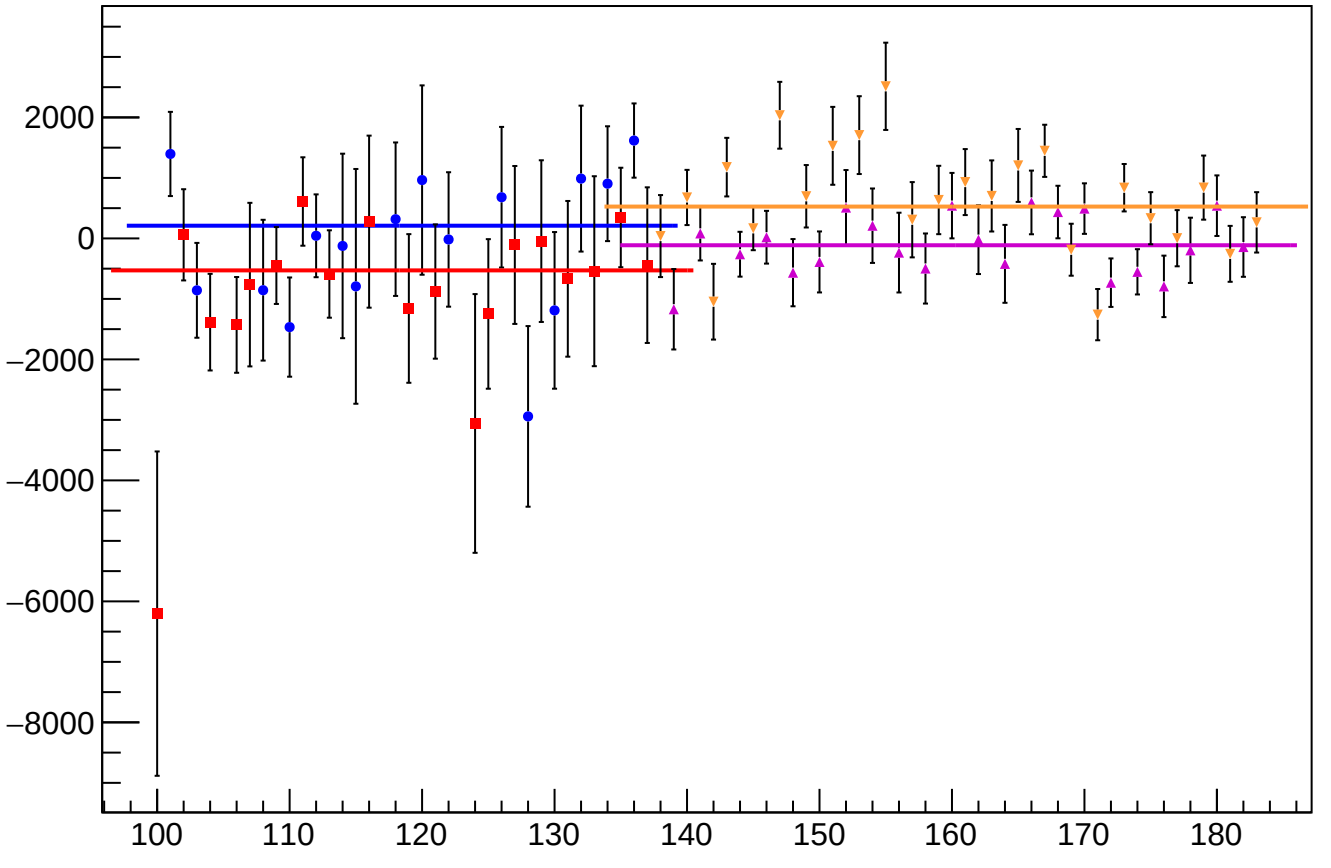
Left: 57.395+/-0.007 χ^2/NDF: 3202238.0/45

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 59.028+/-0.009 χ^2/NDF:1929088.2/37

Out: 59.362+/-0.008 χ^2/NDF:2336577.5/42

All: 59.198+/-0.006 χ^2/NDF: 4266438.4/80



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 526.188+/-102.533 χ^2/NDF:63.5/23

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -113.133+/-105.482 χ^2/NDF:20.2/21

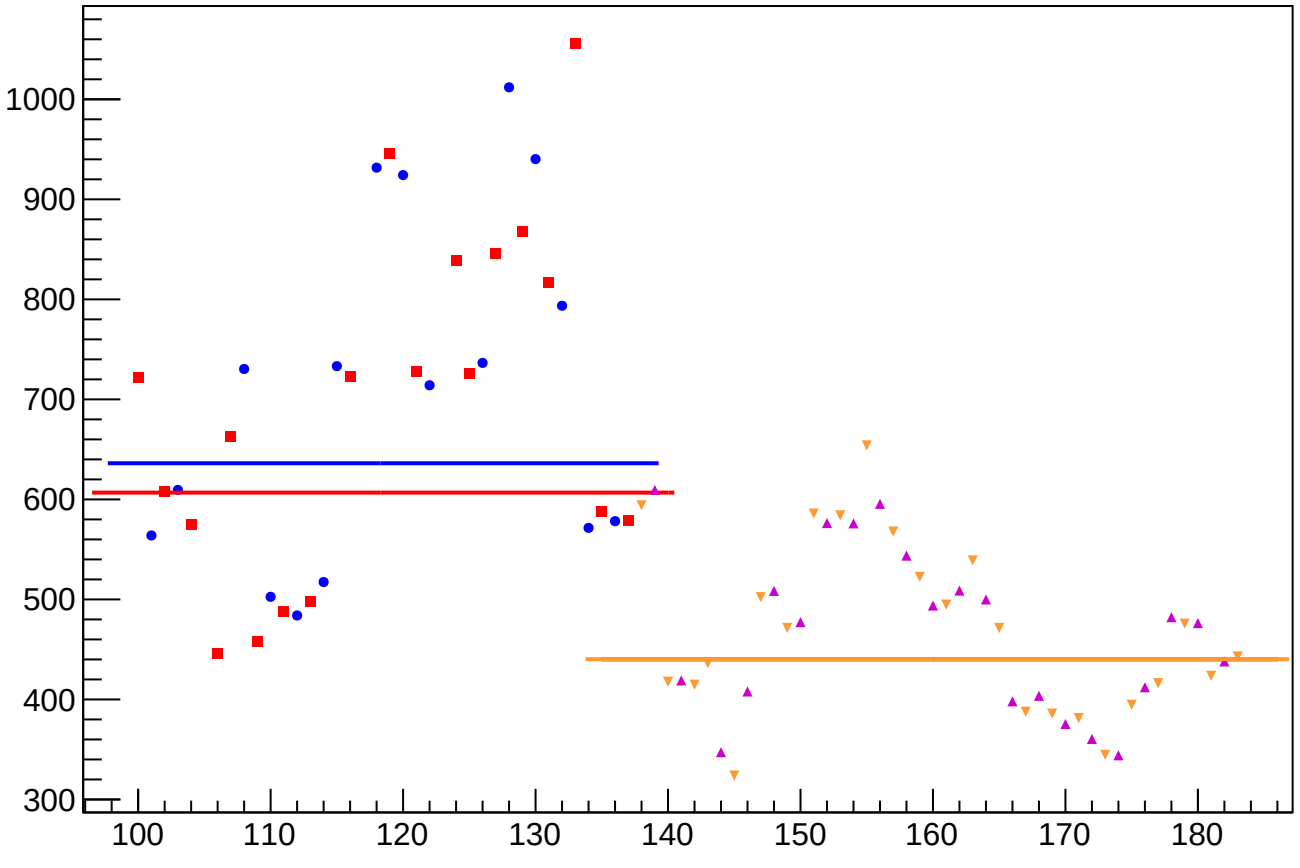
Left: 215.590+/-73.522 χ^2/NDF: 102.6/45

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -62.179+/-96.809 χ^2/NDF:44.1/37

Out: 350.899+/-93.627 χ^2/NDF:94.9/42

All: 151.261+/-67.301 χ^2/NDF: 148.4/80



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 440.268+/-0.073 χ^2/NDF:1196504.2/23

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 440.094+/-0.075 χ^2/NDF:1061433.0/21

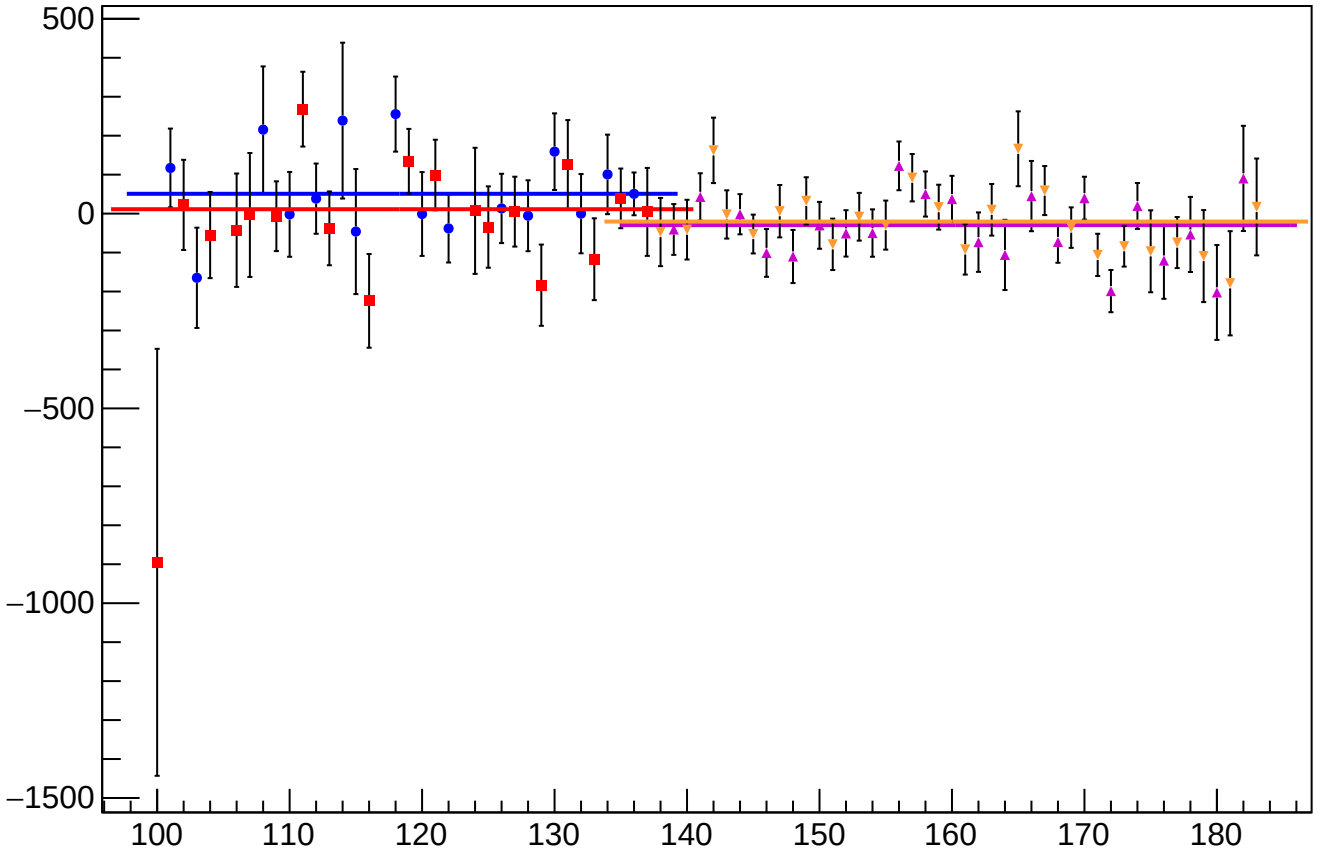
Left: 440.184+/-0.052 χ^2/NDF: 2257940.0/45

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 471.007+/-0.068 χ^2/NDF:2856059.0/37

Out: 467.942+/-0.066 χ^2/NDF:2967130.9/42

All: 469.423+/-0.048 χ^2/NDF: 5824226.1/80



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -20.412+/-13.685 χ^2/NDF:25.1/23

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -29.463+/-14.020 χ^2/NDF:32.0/21

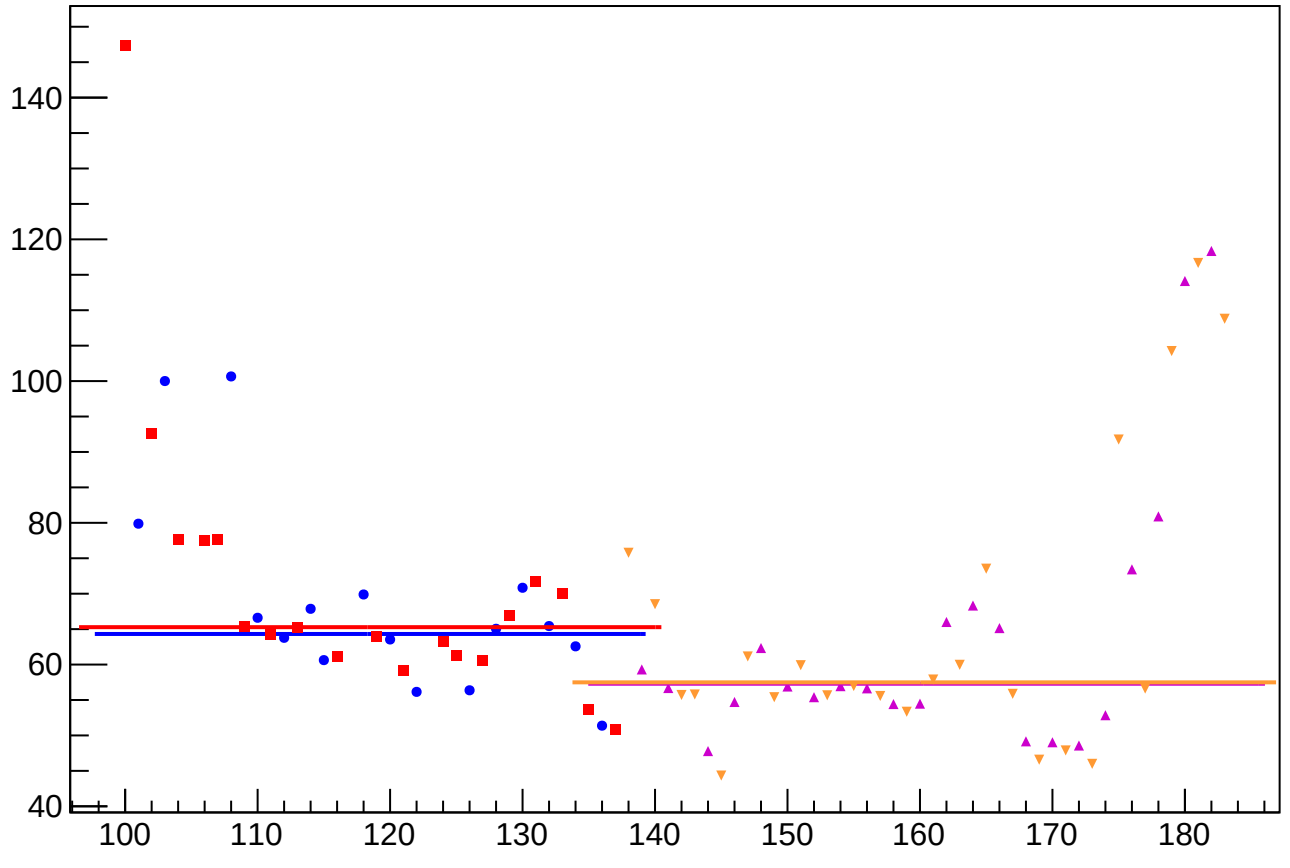
Left: -24.828+/-9.793 χ^2/NDF: 57.3/45

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: -9.638+/-12.168 χ^2/NDF:53.9/37

Out: -12.798+/-11.927 χ^2/NDF:50.4/42

All: -11.250+/-8.517 χ^2/NDF: 104.3/80



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 57.490+/-0.010 χ^2/NDF:1861745.5/23

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 57.294+/-0.010 χ^2/NDF:1340273.3/21

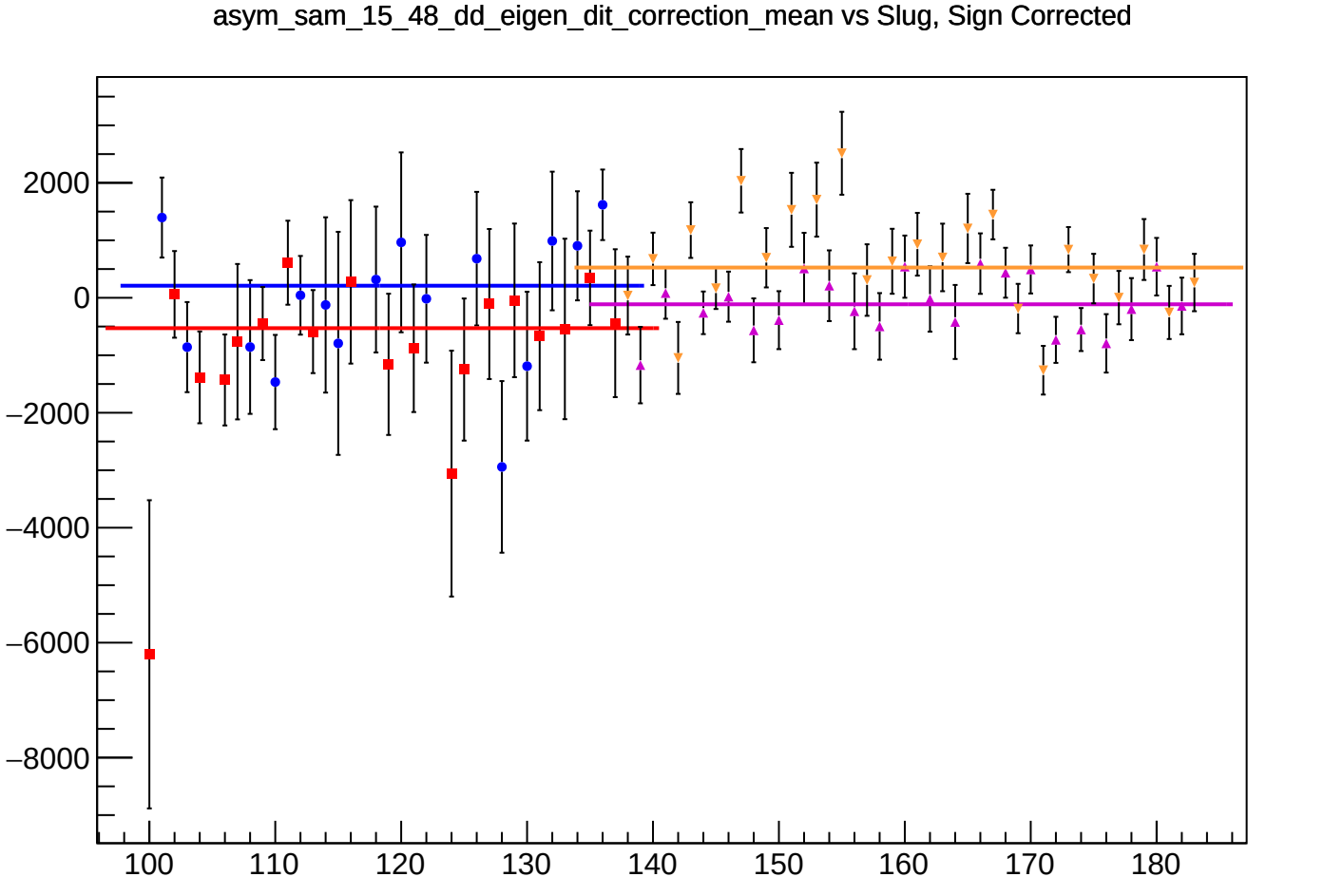
Left: 57.395+/-0.007 χ^2/NDF: 3202219.2/45

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 59.028+/-0.009 χ^2/NDF:1929062.9/37

Out: 59.363+/-0.008 χ^2/NDF:2336570.4/42

All: 59.198+/-0.006 χ^2/NDF: 4266406.1/80



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 526.188+/-102.532 χ^2/NDF:63.5/23

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: 215.589+/-73.522 χ^2/NDF: 102.6/45

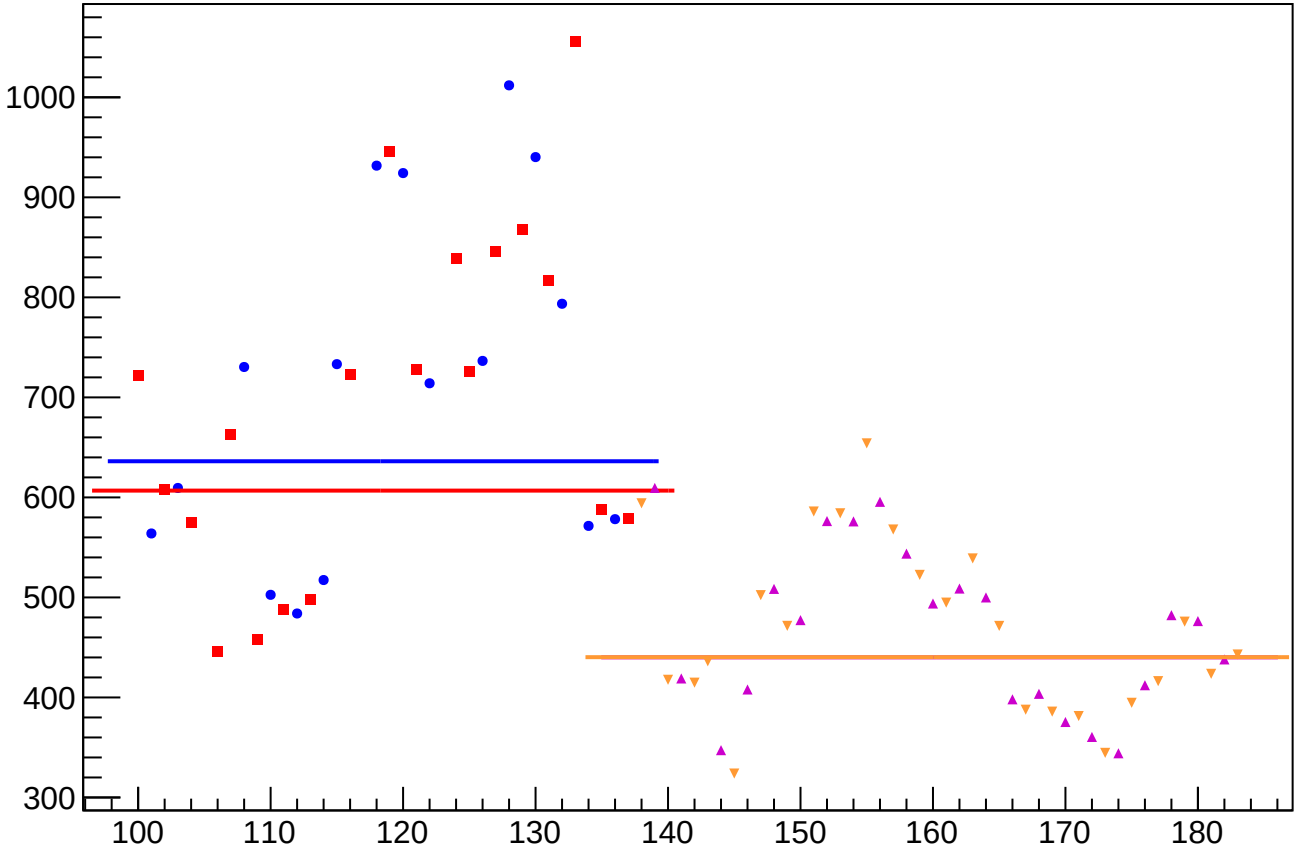
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -62.179+/-96.809 χ^2/NDF:44.1/37

Out: 350.899+/-93.627 χ^2/NDF:94.9/42

All: 151.261+/-67.301 χ^2/NDF: 148.4/80

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 440.267+/-0.073 χ^2/NDF:1196512.1/23

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: 440.182+/-0.052 χ^2/NDF: 2257954.3/45

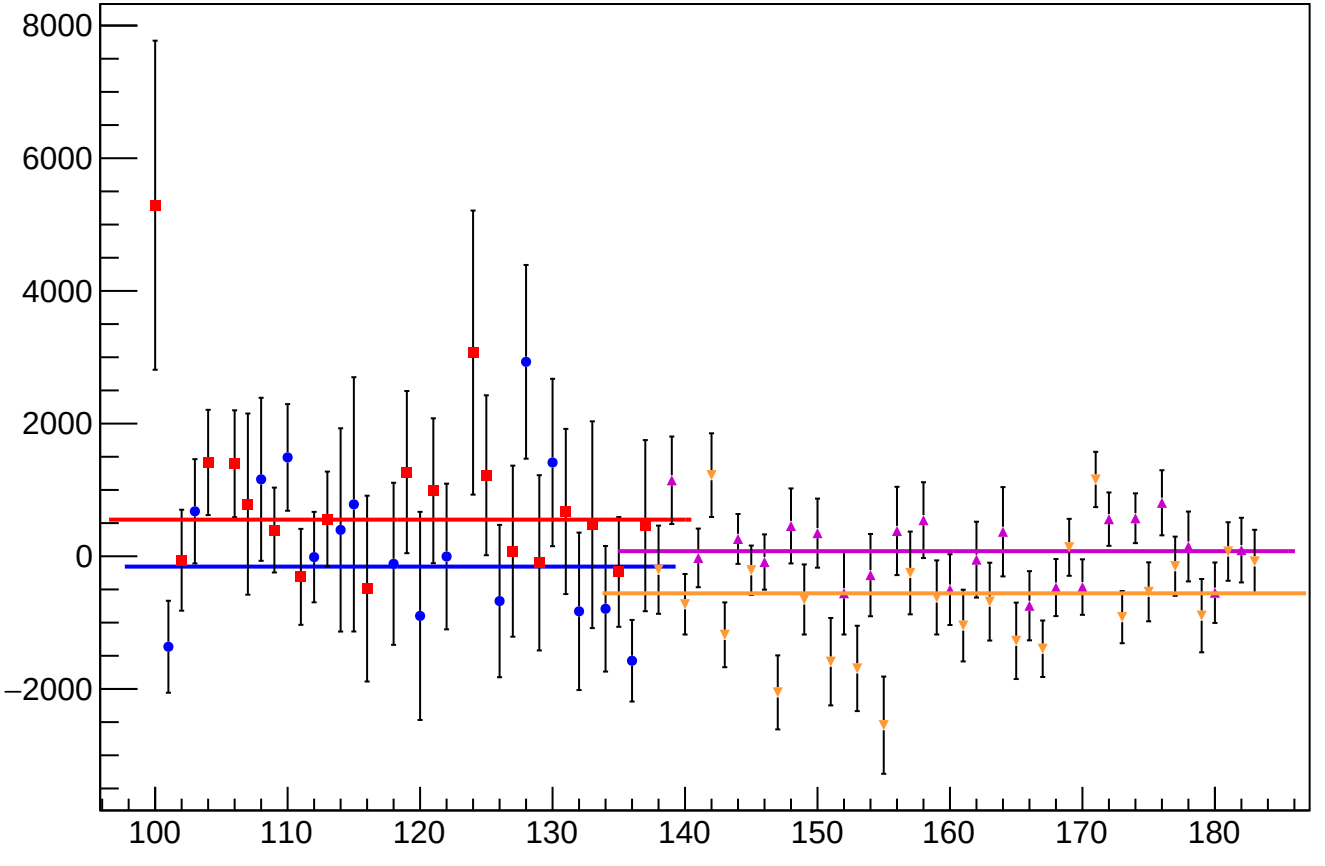
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 471.006+/-0.068 χ^2/NDF:2856076.4/37

Out: 467.941+/-0.066 χ^2/NDF:2967147.0/42

All: 469.422+/-0.048 χ^2/NDF: 5824259.5/80

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -558.501+/-102.295 χ^2/NDF:62.2/23

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: -248.049+/-73.168 χ^2/NDF: 101.6/45

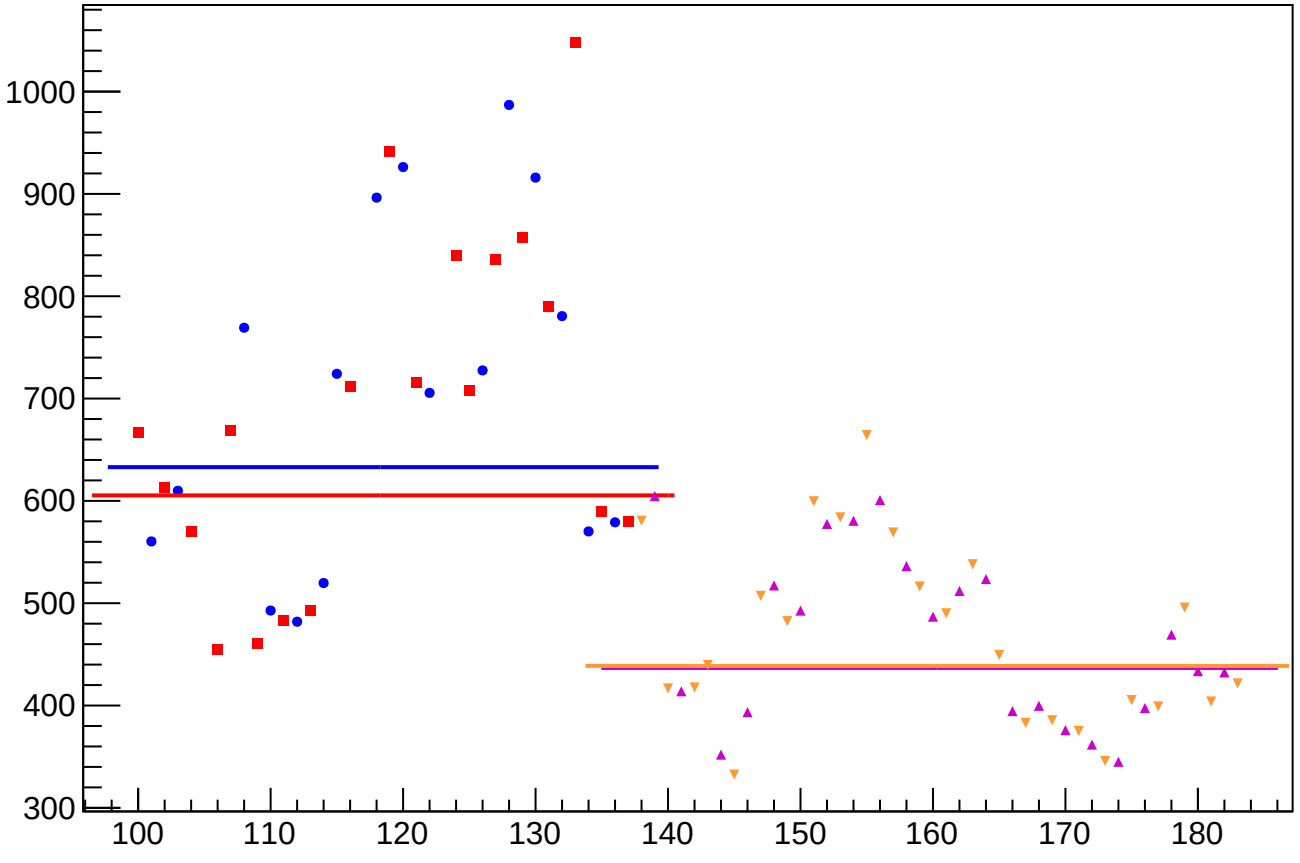
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 40.594+/-96.126 χ^2/NDF:43.8/37

Out: -373.591+/-93.393 χ^2/NDF:93.9/42

All: -172.471+/-66.984 χ^2/NDF: 147.3/80

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 438.757+/-0.072 χ^2/NDF:1203478.9/23

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 436.704+/-0.074 χ^2/NDF:1079406.3/21

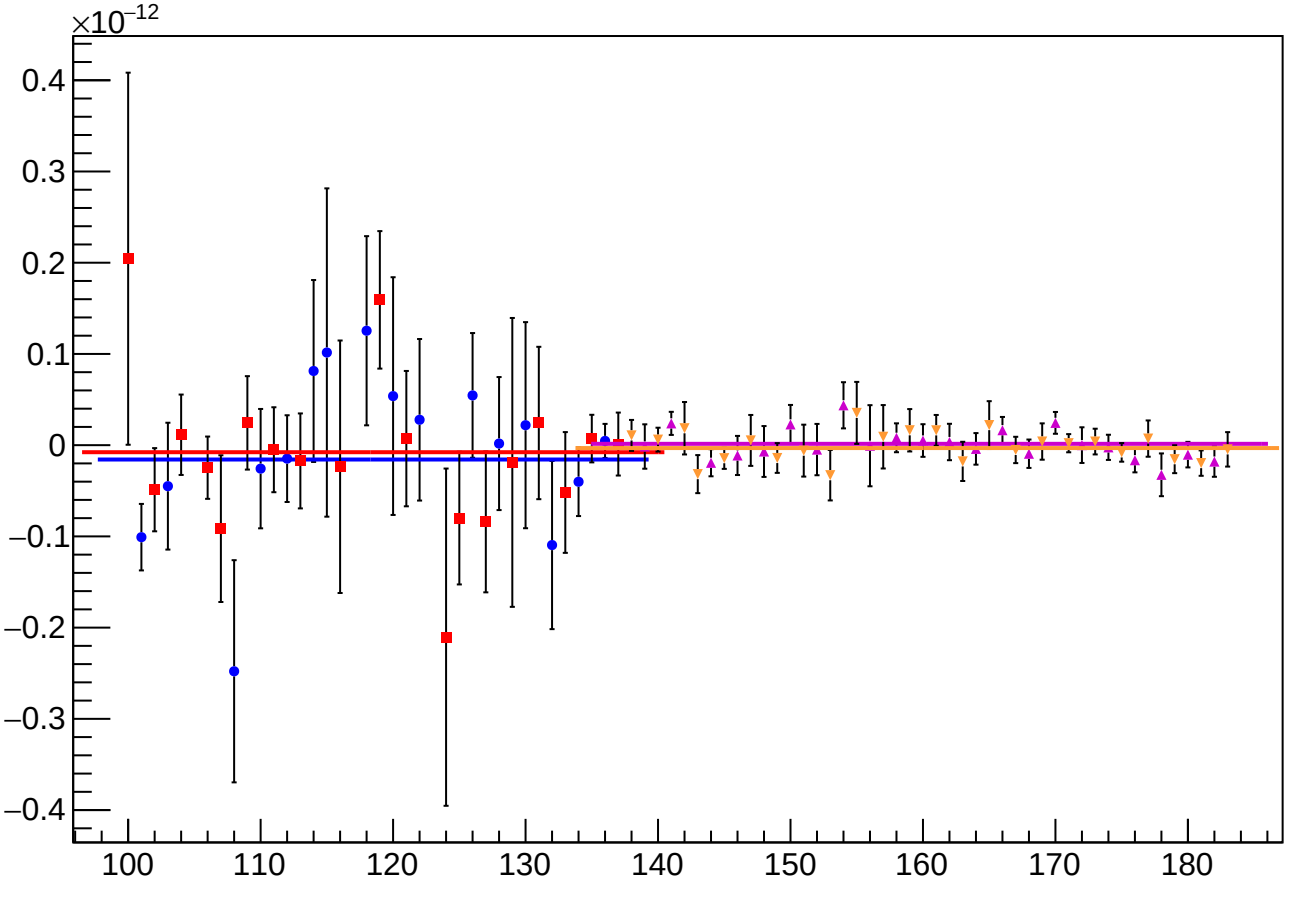
Left: 437.755+/-0.052 χ^2/NDF: 2283278.8/45

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 467.519+/-0.068 χ^2/NDF:2864020.5/37

Out: 466.496+/-0.066 χ^2/NDF:2940802.4/42

All: 466.993+/-0.047 χ^2/NDF: 5804939.3/80



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/23

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: 36.2/45

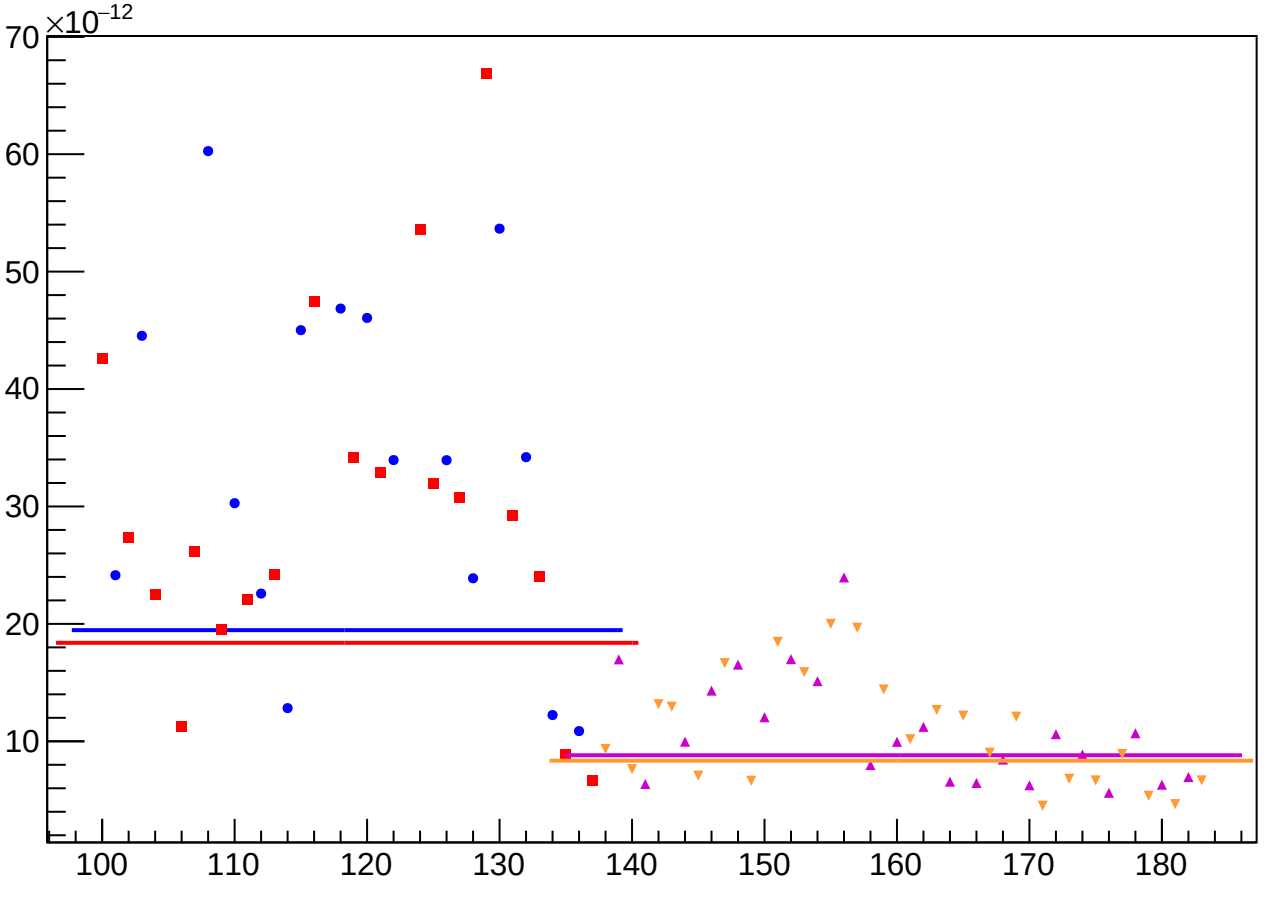
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:39.7/37

Out: -0.000+/-0.000 χ^2/NDF:27.4/42

All: -0.000+/-0.000 χ^2/NDF: 67.6/80

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:2205852.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1624579.8/21

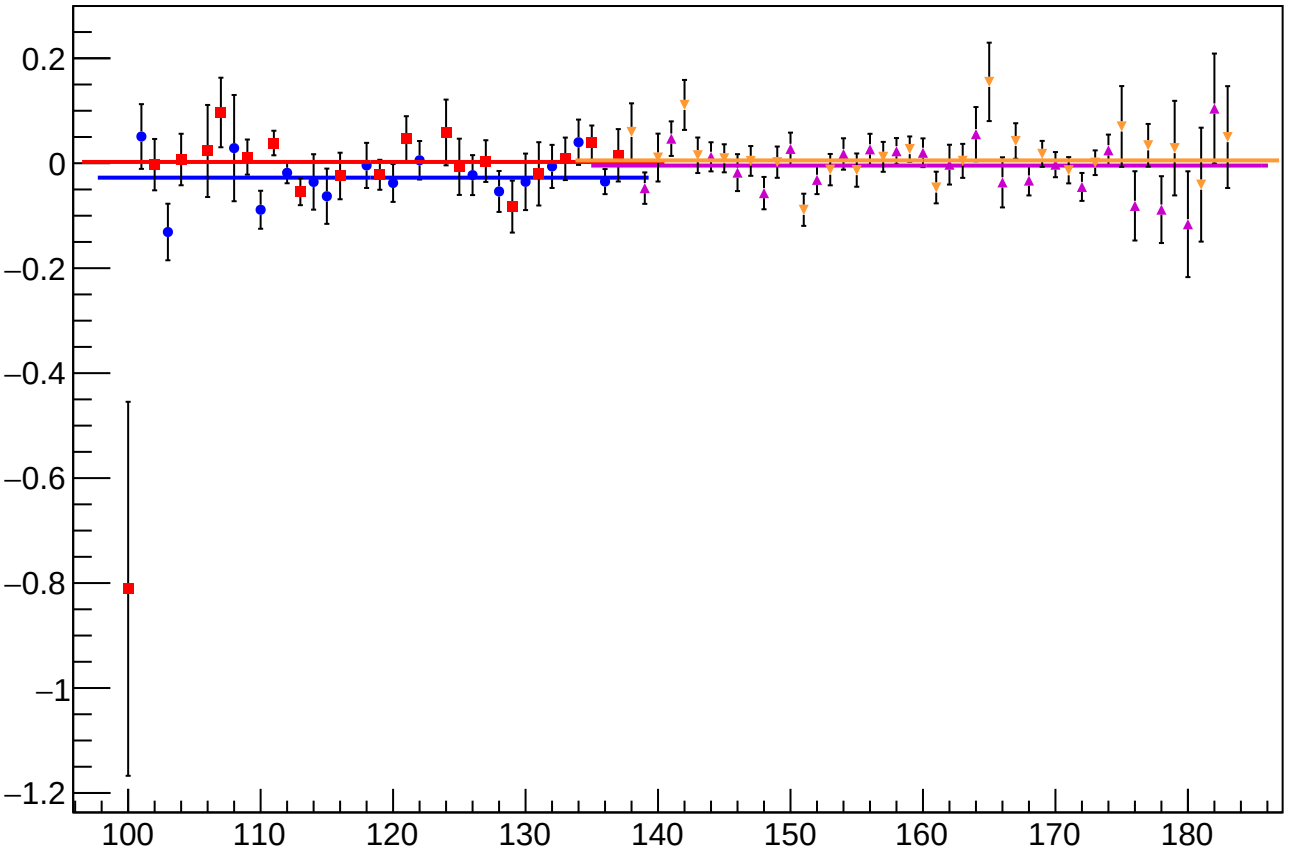
Left: 0.000+/-0.000 χ^2/NDF: 3847536.9/45

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:4912791.4/42

All: 0.000+/-0.000 χ^2/NDF: 9615889.7/80



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.7/23

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:25.0/21

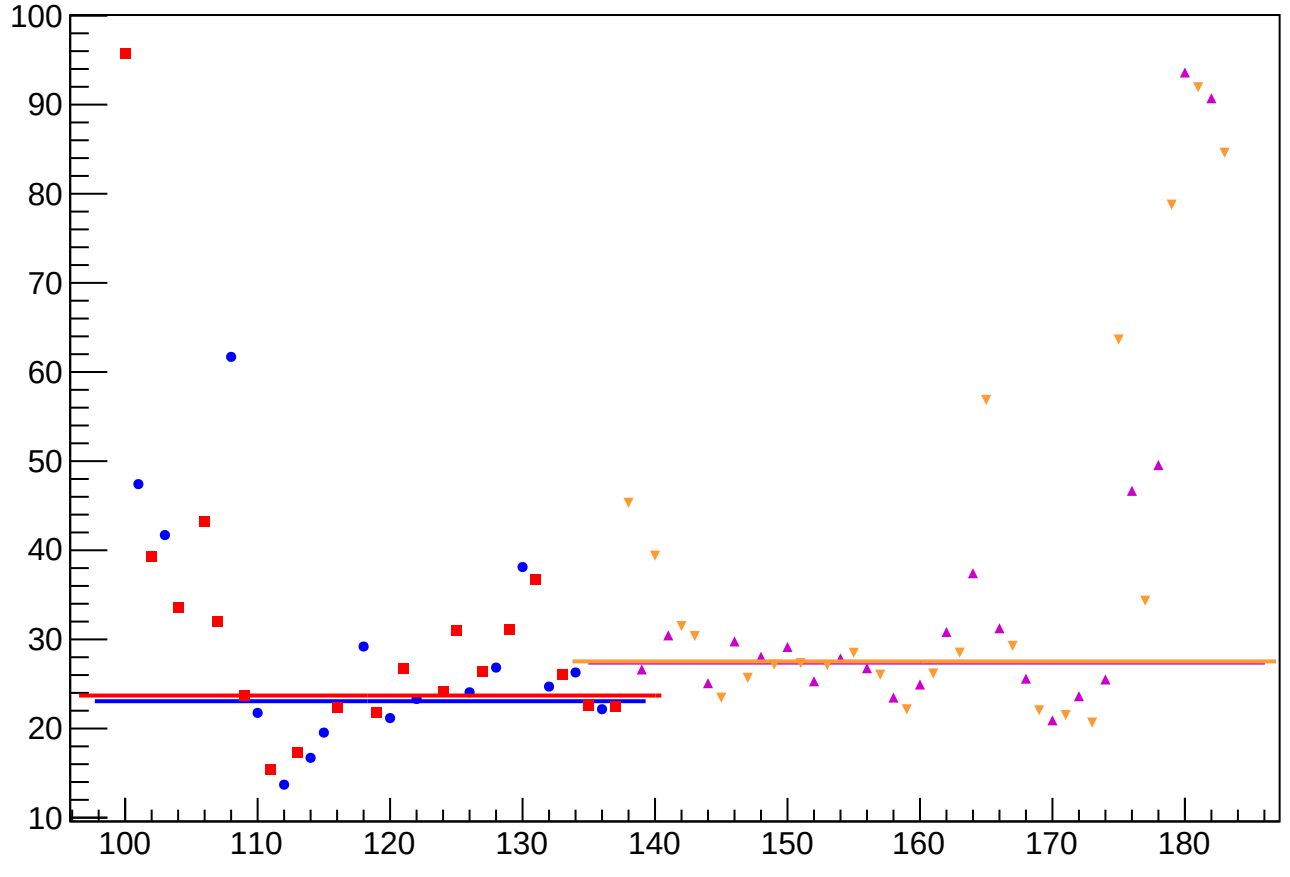
Left: 0.001+/-0.005 χ^2/NDF: 53.7/45

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:49.8/42

All: -0.004+/-0.004 χ^2/NDF: 97.1/80



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.530+/-0.005 χ^2/NDF:3782370.3/23

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.398+/-0.005 χ^2/NDF:2438137.2/21

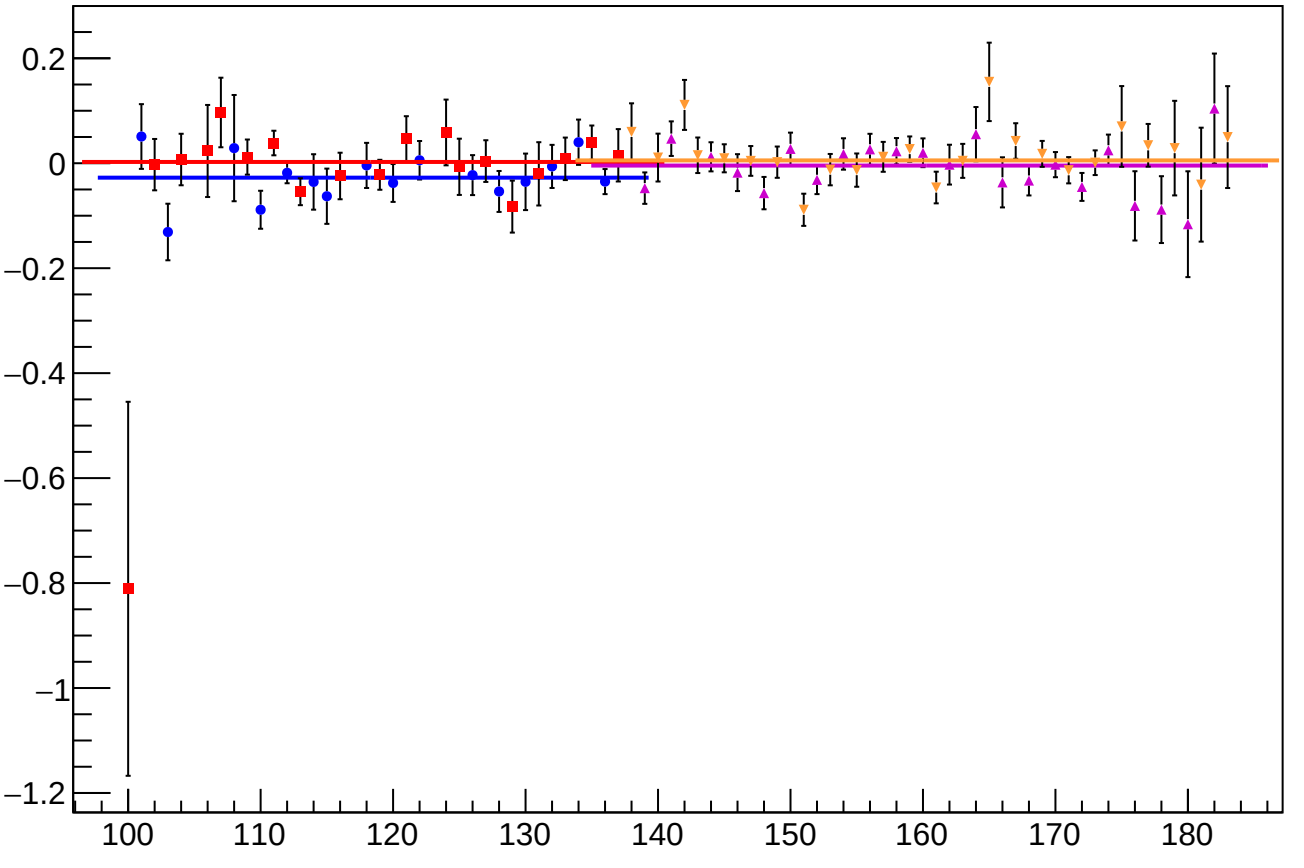
Left: 27.465+/-0.003 χ^2/NDF: 6220872.6/45

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.853+/-0.004 χ^2/NDF:4276244.6/37

Out: 26.180+/-0.004 χ^2/NDF:5090575.1/42

All: 26.019+/-0.003 χ^2/NDF: 9370284.3/80



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.7/23

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:25.0/21

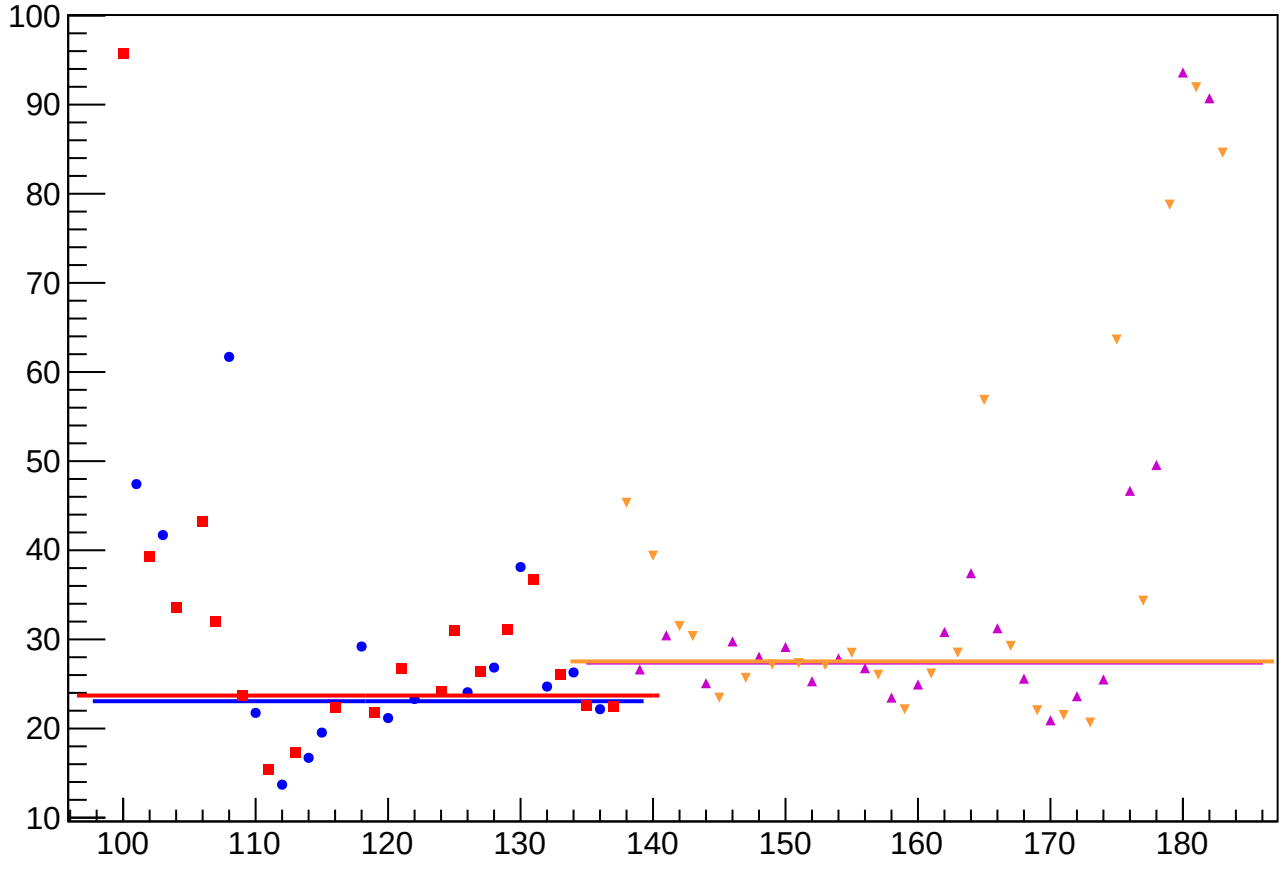
Left: 0.001+/-0.005 χ^2/NDF: 53.7/45

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:49.8/42

All: -0.004+/-0.004 χ^2/NDF: 97.1/80



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.530+/-0.005 χ^2/NDF:3782370.3/23

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.398+/-0.005 χ^2/NDF:2438137.2/21

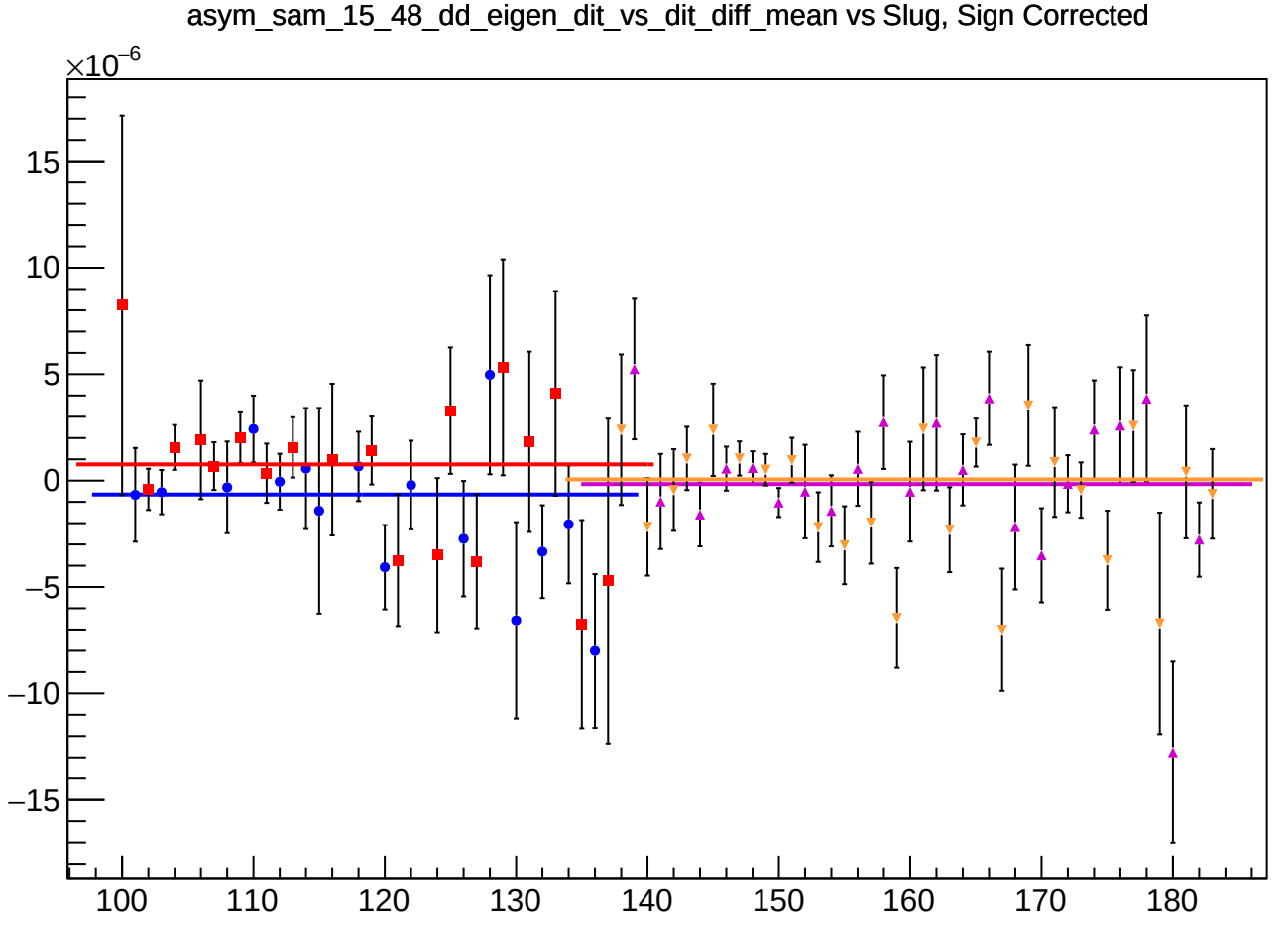
Left: 27.465+/-0.003 χ^2/NDF: 6220872.6/45

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.853+/-0.004 χ^2/NDF:4276244.6/37

Out: 26.180+/-0.004 χ^2/NDF:5090575.1/42

All: 26.019+/-0.003 χ^2/NDF: 9370284.3/80



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:30.7/21

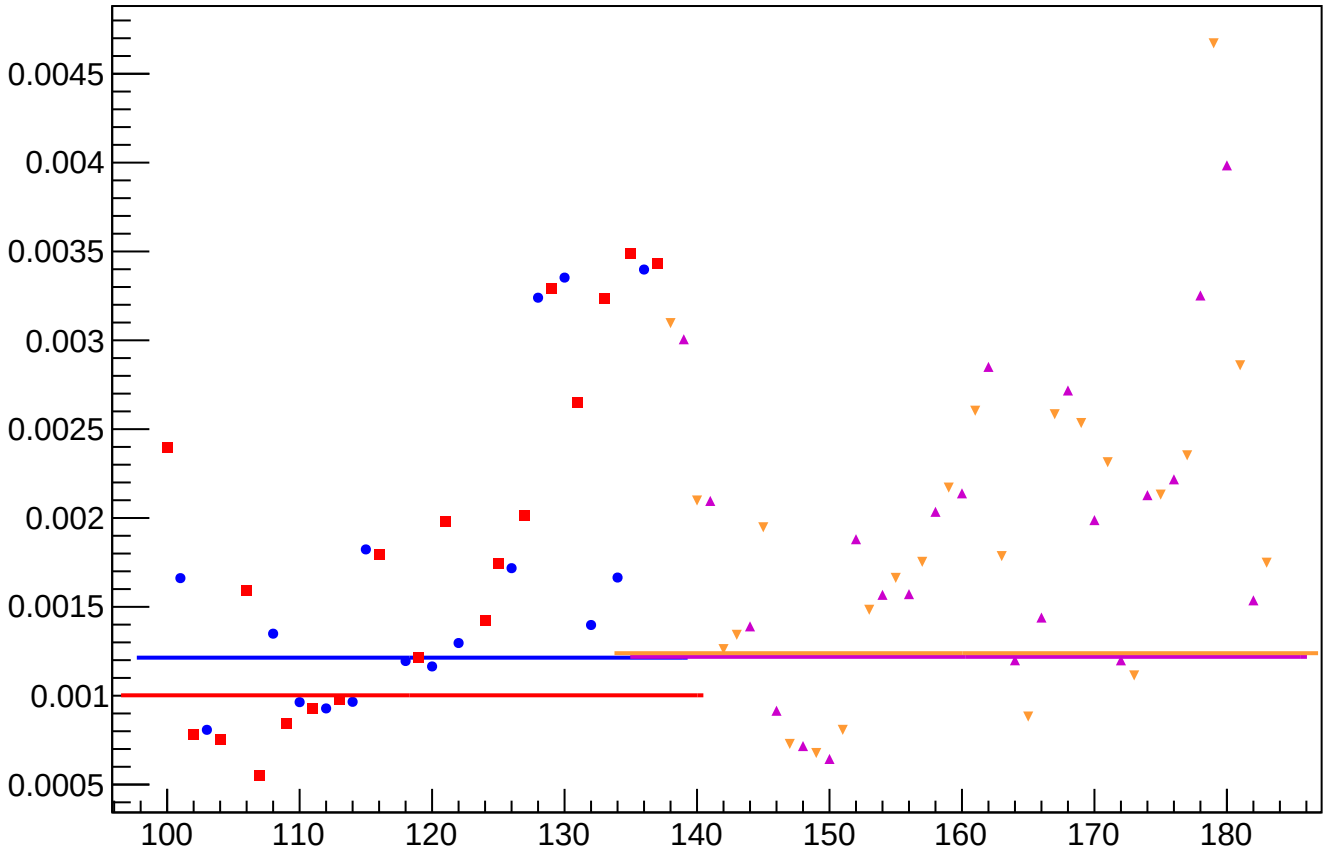
Left: -0.000+/-0.000 χ^2/NDF: 67.8/45

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:53.8/42

All: 0.000+/-0.000 χ^2/NDF: 105.6/80



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:8159199.6/23

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:7618409.2/21

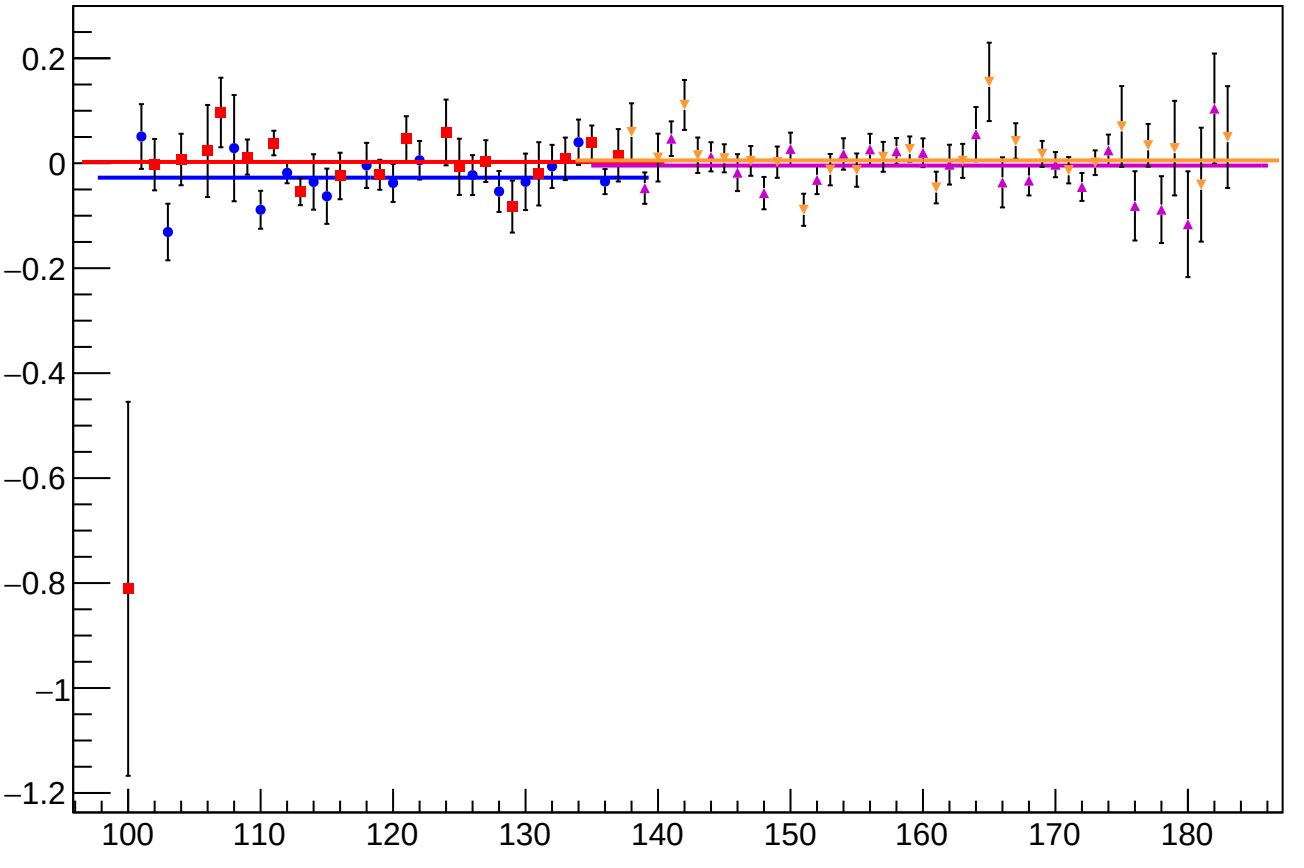
Left: 0.001+/-0.000 χ^2/NDF: 15781479.3/45

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:11835569.7/42

All: 0.001+/-0.000 χ^2/NDF: 21784942.7/80



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.7/23

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:25.0/21

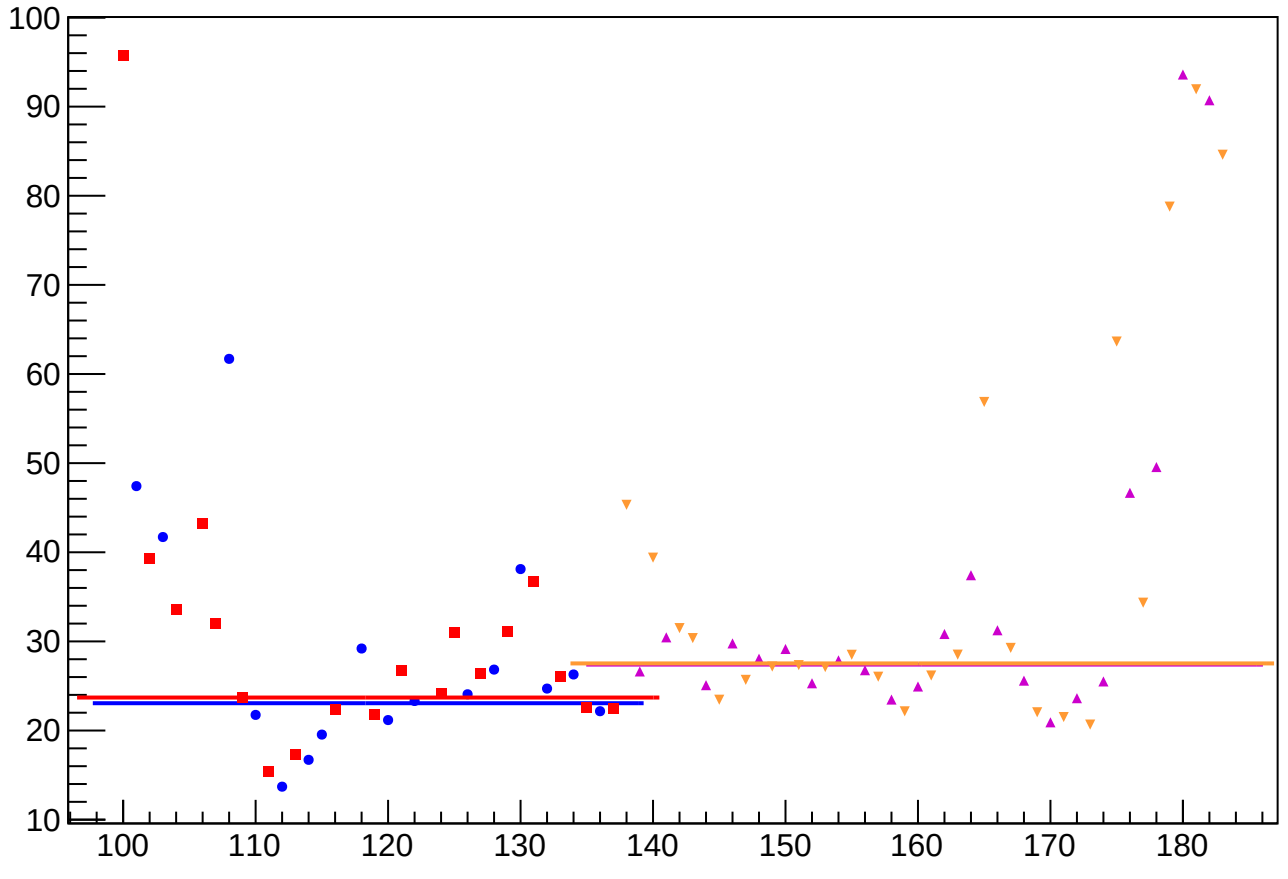
Left: 0.001+/-0.005 χ^2/NDF: 53.7/45

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:49.8/42

All: -0.004+/-0.004 χ^2/NDF: 97.1/80



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.530+/-0.005 χ^2/NDF:3782317.8/23

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.398+/-0.005 χ^2/NDF:2438102.1/21

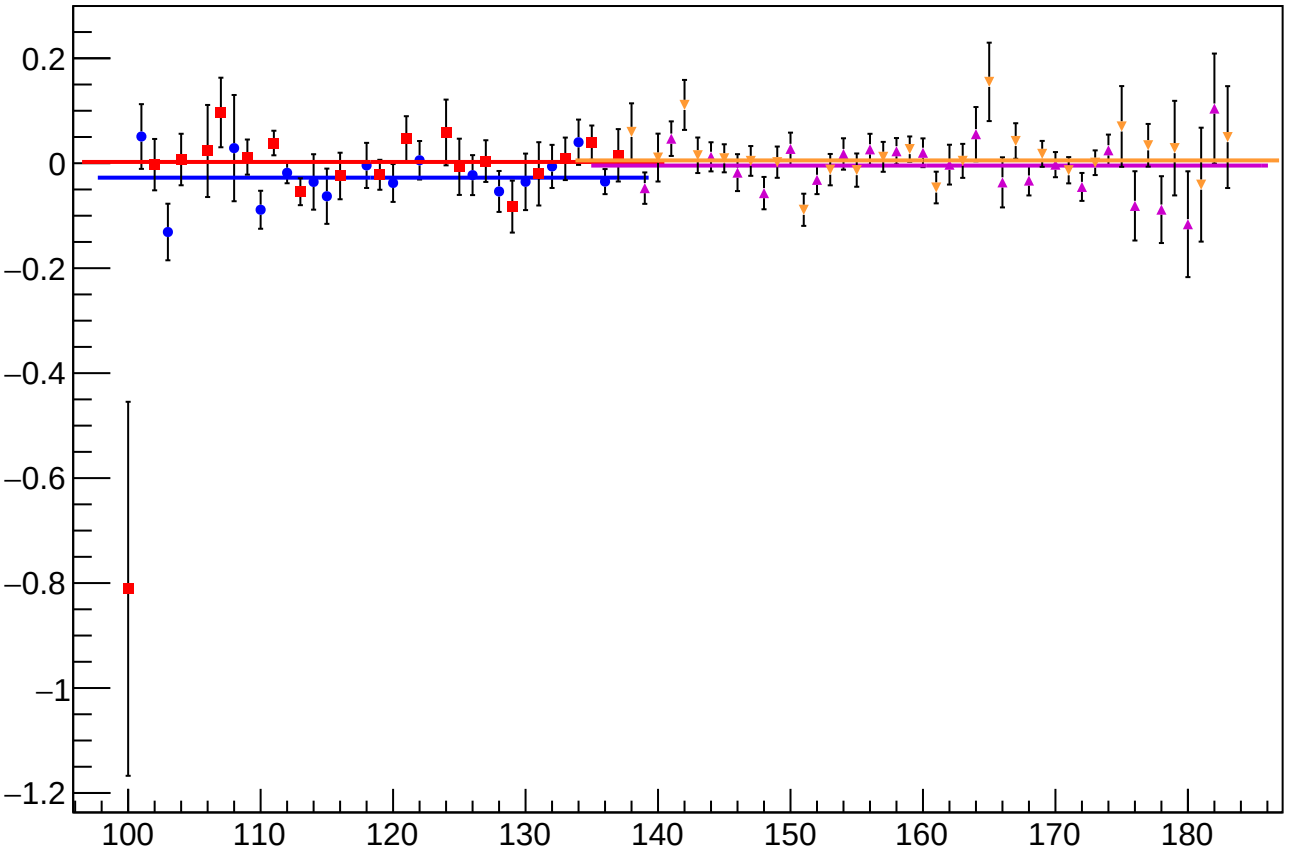
Left: 27.465+/-0.003 χ^2/NDF: 6220785.8/45

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.853+/-0.004 χ^2/NDF:4276274.7/37

Out: 26.180+/-0.004 χ^2/NDF:5090626.1/42

All: 26.019+/-0.003 χ^2/NDF: 9370366.9/80



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.7/23

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:25.0/21

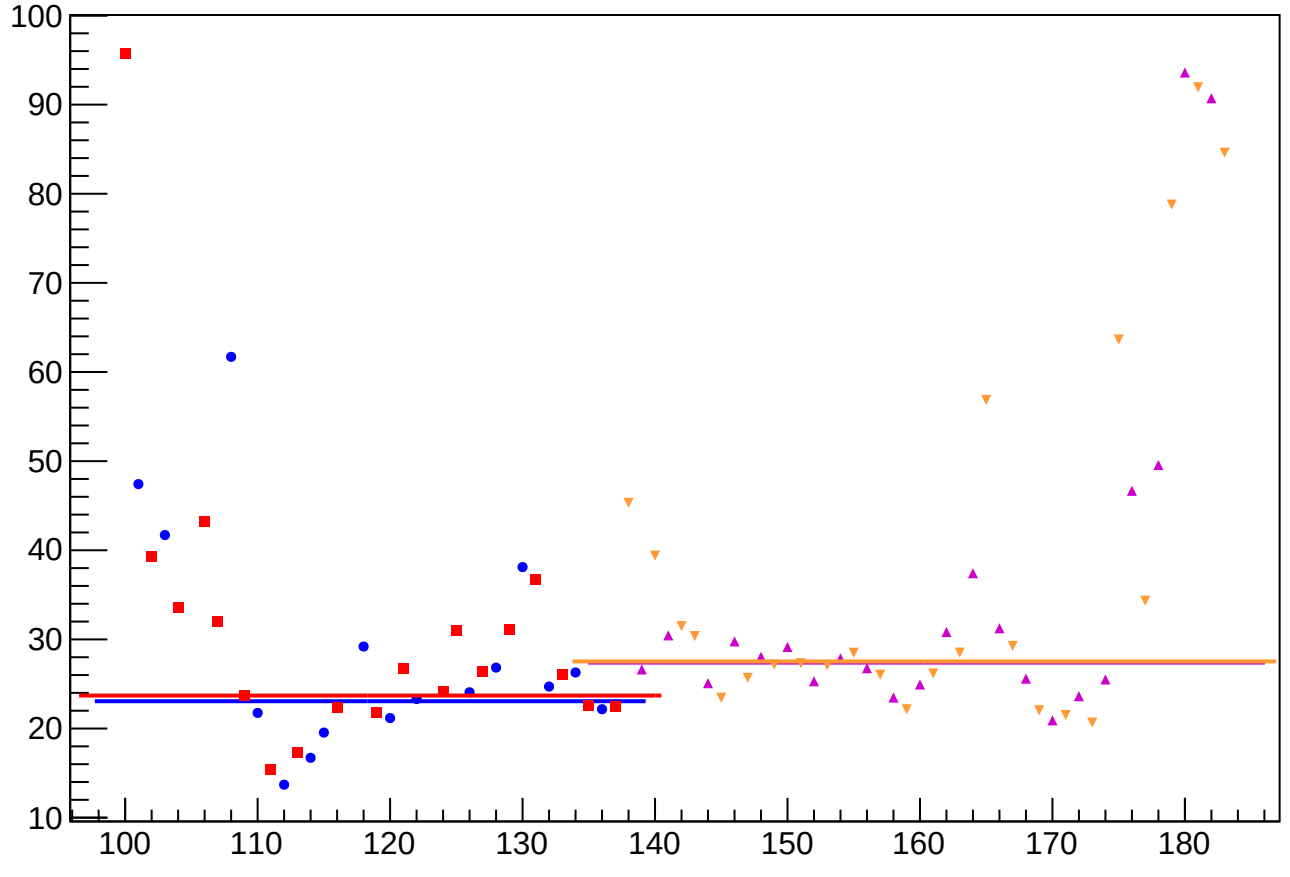
Left: 0.001+/-0.005 χ^2/NDF: 53.7/45

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:49.8/42

All: -0.004+/-0.004 χ^2/NDF: 97.1/80



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.530+/-0.005 χ^2/NDF:3782317.8/23

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.398+/-0.005 χ^2/NDF:2438102.1/21

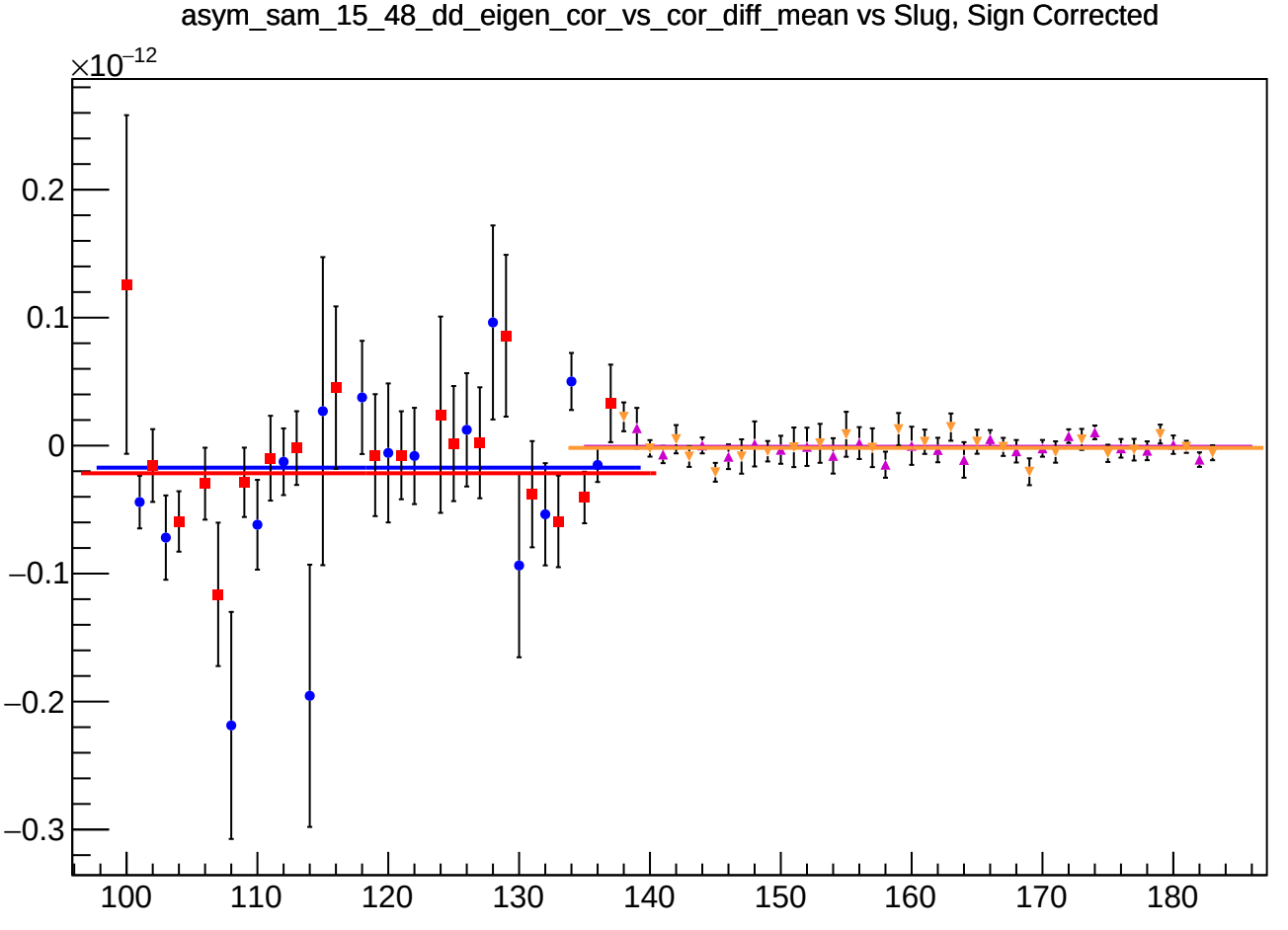
Left: 27.465+/-0.003 χ^2/NDF: 6220785.8/45

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.853+/-0.004 χ^2/NDF:4276274.7/37

Out: 26.180+/-0.004 χ^2/NDF:5090626.1/42

All: 26.019+/-0.003 χ^2/NDF: 9370366.9/80



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.3/23

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: 40.8/45

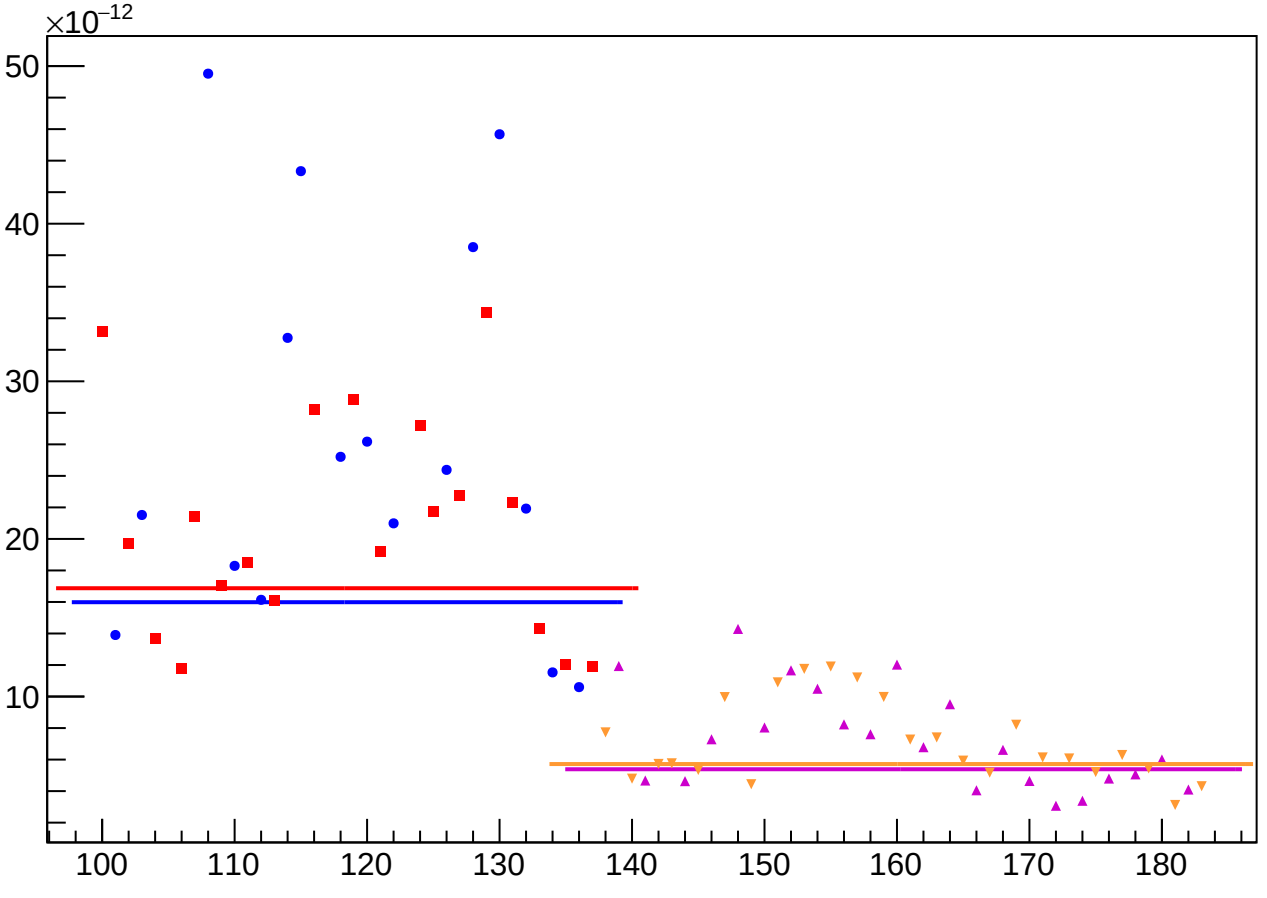
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:50.4/37

Out: -0.000+/-0.000 χ^2/NDF:48.4/42

All: -0.000+/-0.000 χ^2/NDF: 98.9/80

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2618893.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3463764.9/21

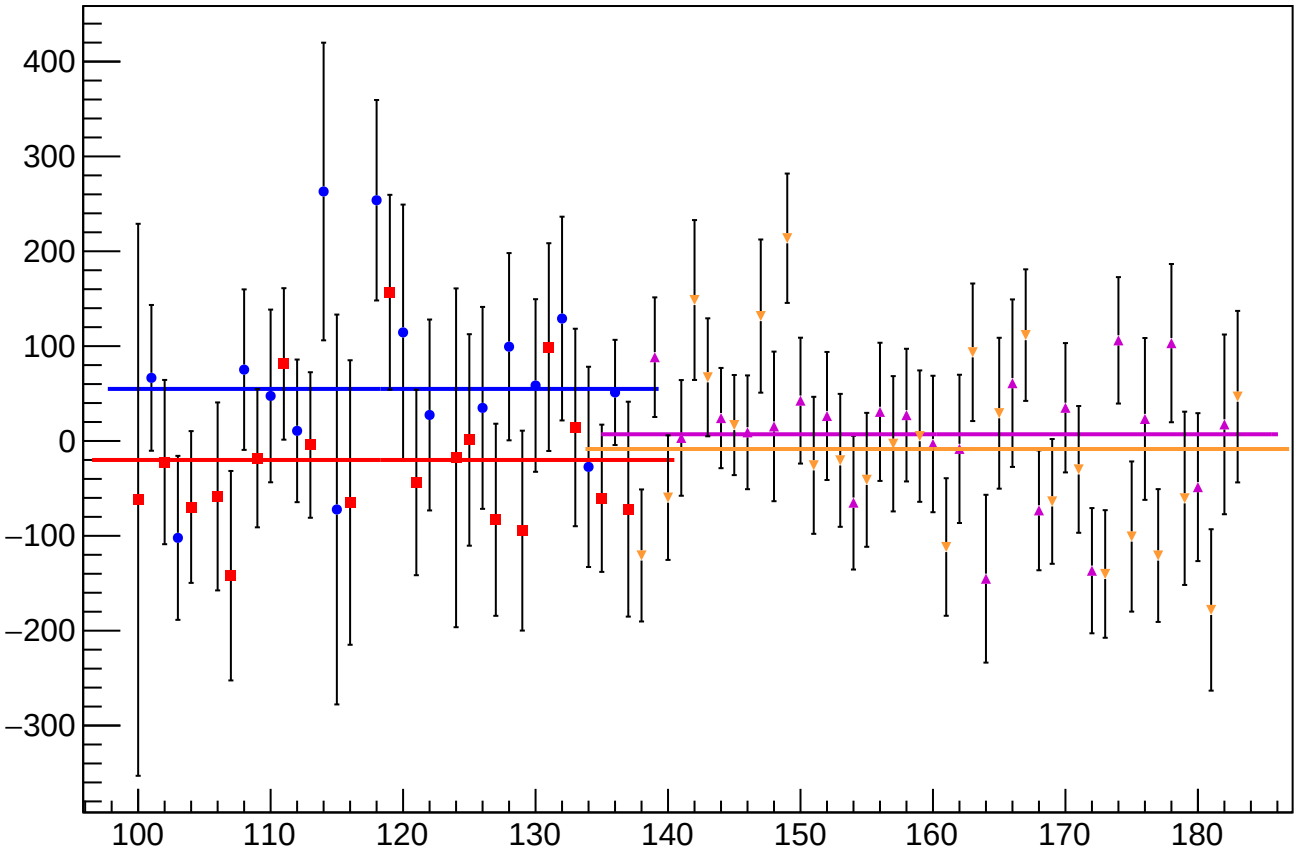
Left: 0.000+/-0.000 χ^2/NDF: 6119228.5/45

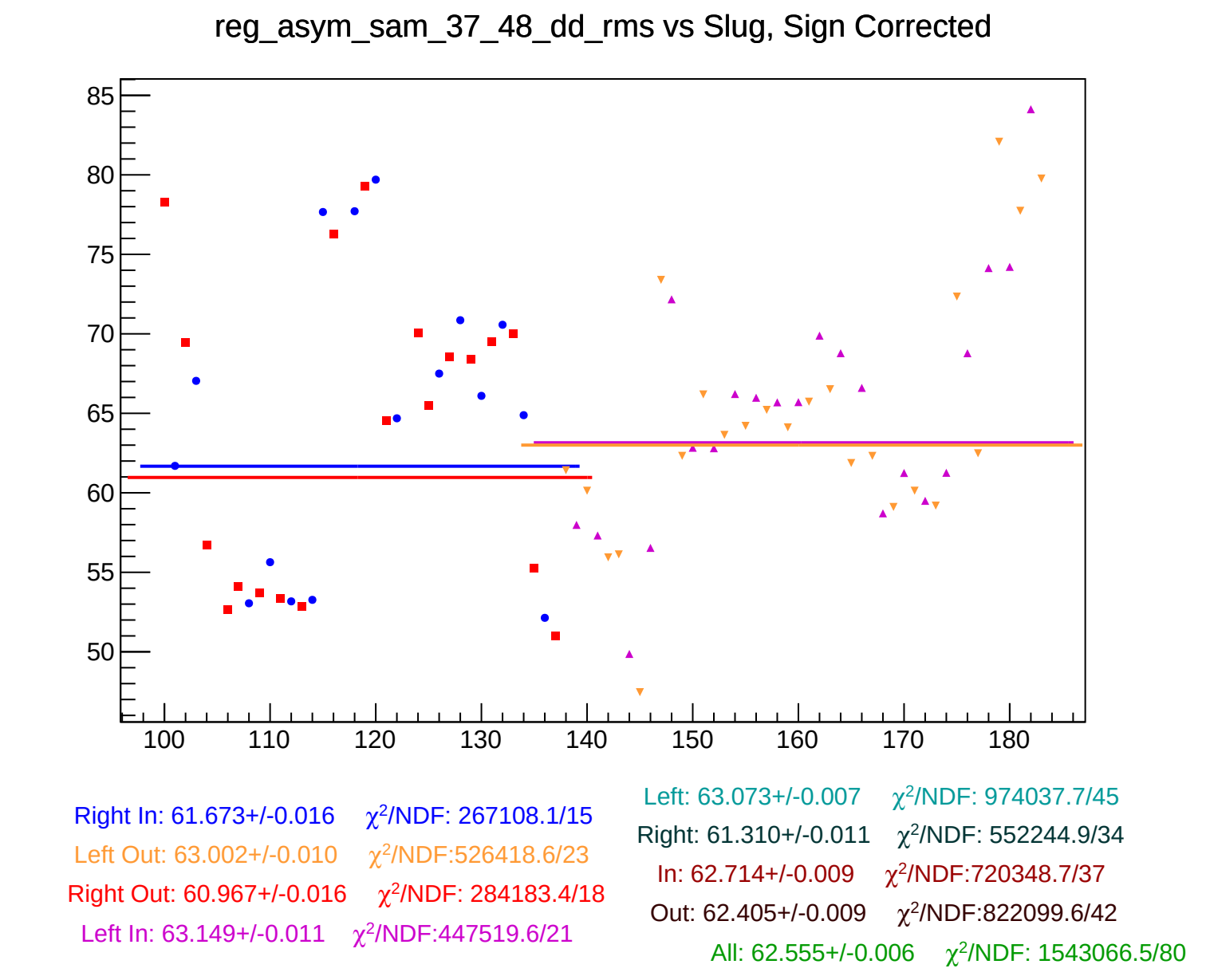
Right: 0.000+/-0.000 χ^2/NDF: 2613122.2/34

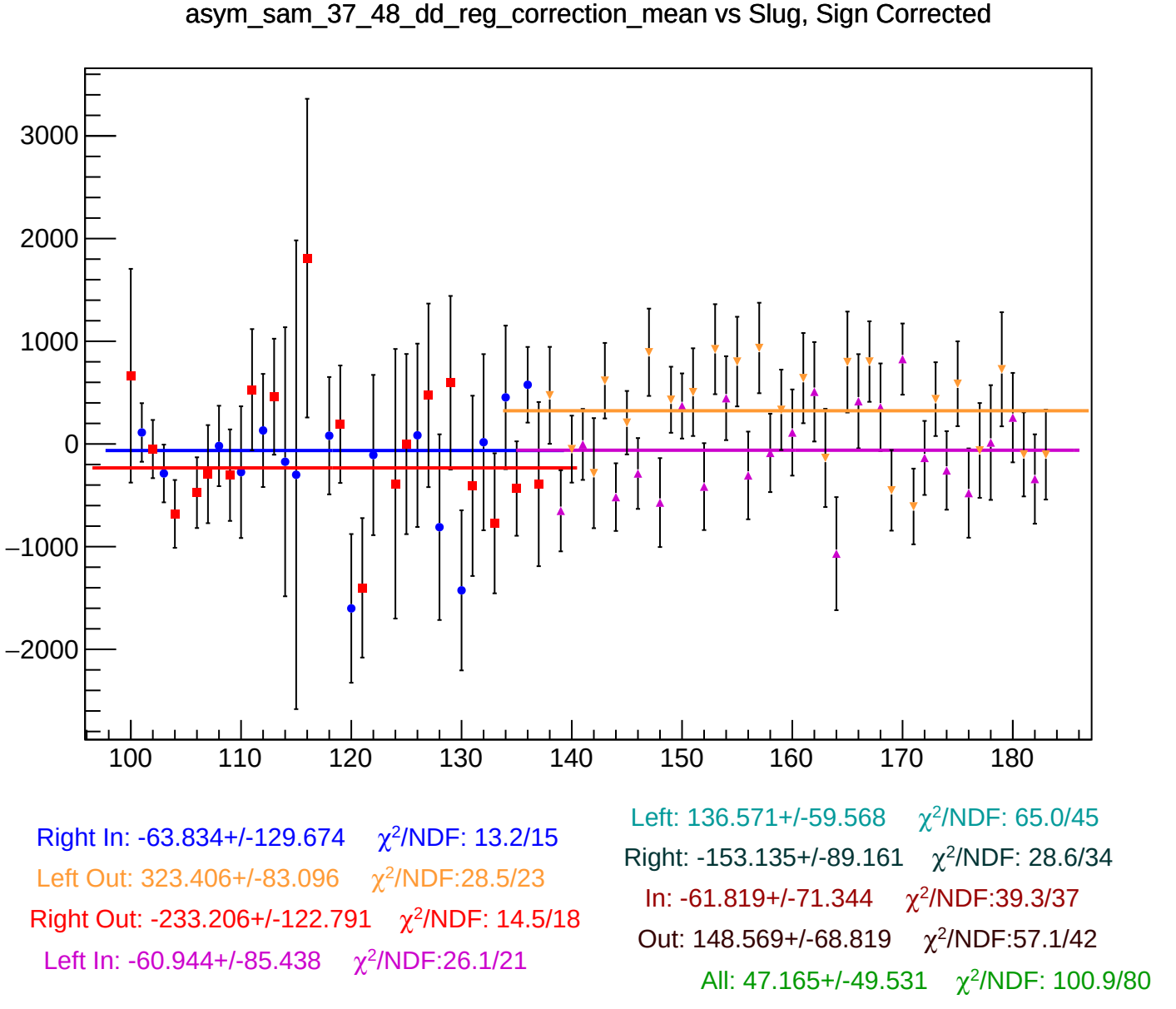
In: 0.000+/-0.000 χ^2/NDF:8777801.1/37

Out: 0.000+/-0.000 χ^2/NDF:7266227.9/42

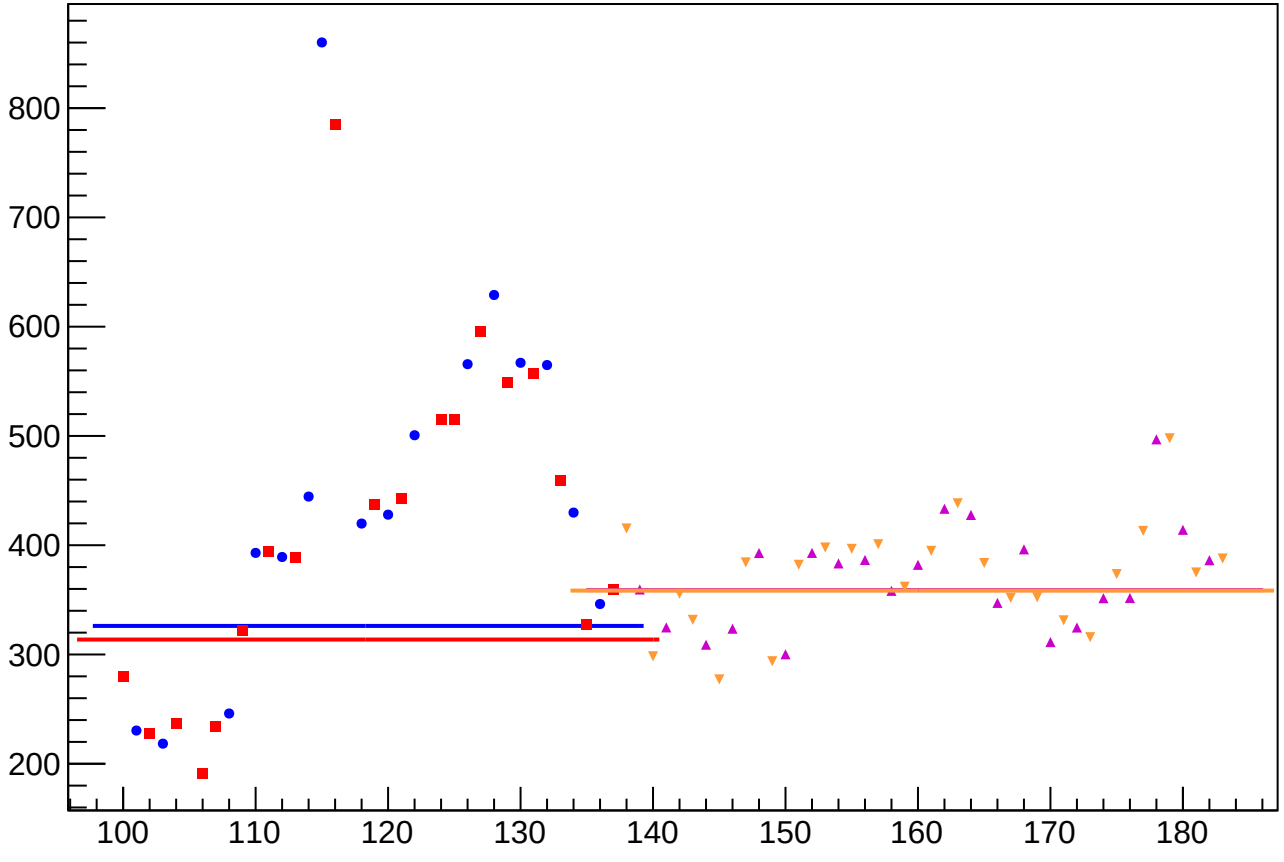
All: 0.000+/-0.000 χ^2/NDF: 16084388.2/80


reg_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: 54.883+/-23.179 χ²/NDF: 11.0/15
Left Out: -8.449+/-14.537 χ²/NDF:42.8/23
Right Out: -20.020+/-22.571 χ²/NDF: 9.2/18
Left In: 7.077+/-14.994 χ²/NDF:17.4/21
Left: -0.926+/-10.437 χ²/NDF: 60.8/45
Right: 16.437+/-16.171 χ²/NDF: 25.6/34
In: 21.180+/-12.589 χ²/NDF:31.4/37
Out: -11.841+/-12.221 χ²/NDF:52.3/42
All: 4.180+/-8.769 χ²/NDF: 87.2/80


reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected
85
80
75
70
65
60
55
50
100
110
120
130
140
150
160
170
180
Right In: 61.673+/-0.016 χ²/NDF: 267108.1/15
Left Out: 63.002+/-0.010 χ²/NDF:526418.6/23
Right Out: 60.967+/-0.016 χ²/NDF: 284183.4/18
Left In: 63.149+/-0.011 χ²/NDF:447519.6/21
Left: 63.073+/-0.007 χ²/NDF: 974037.7/45
Right: 61.310+/-0.011 χ²/NDF: 552244.9/34
In: 62.714+/-0.009 χ²/NDF:720348.7/37
Out: 62.405+/-0.009 χ²/NDF:822099.6/42
All: 62.555+/-0.006 χ²/NDF: 1543066.5/80


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: 323.406+/-83.096 χ²/NDF:28.5/23
Right Out: -233.206+/-122.791 χ²/NDF: 14.5/18
Left In: -60.944+/-85.438 χ²/NDF:26.1/21
Left: 136.571+/-59.568 χ²/NDF: 65.0/45
Right: -153.135+/-89.161 χ²/NDF: 28.6/34
In: -61.819+/-71.344 χ²/NDF:39.3/37
Out: 148.569+/-68.819 χ²/NDF:57.1/42
All: 47.165+/-49.531 χ²/NDF: 100.9/80

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: 358.480+/-0.059 χ^2/NDF:674505.6/23

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 358.901+/-0.060 χ^2/NDF:515810.9/21

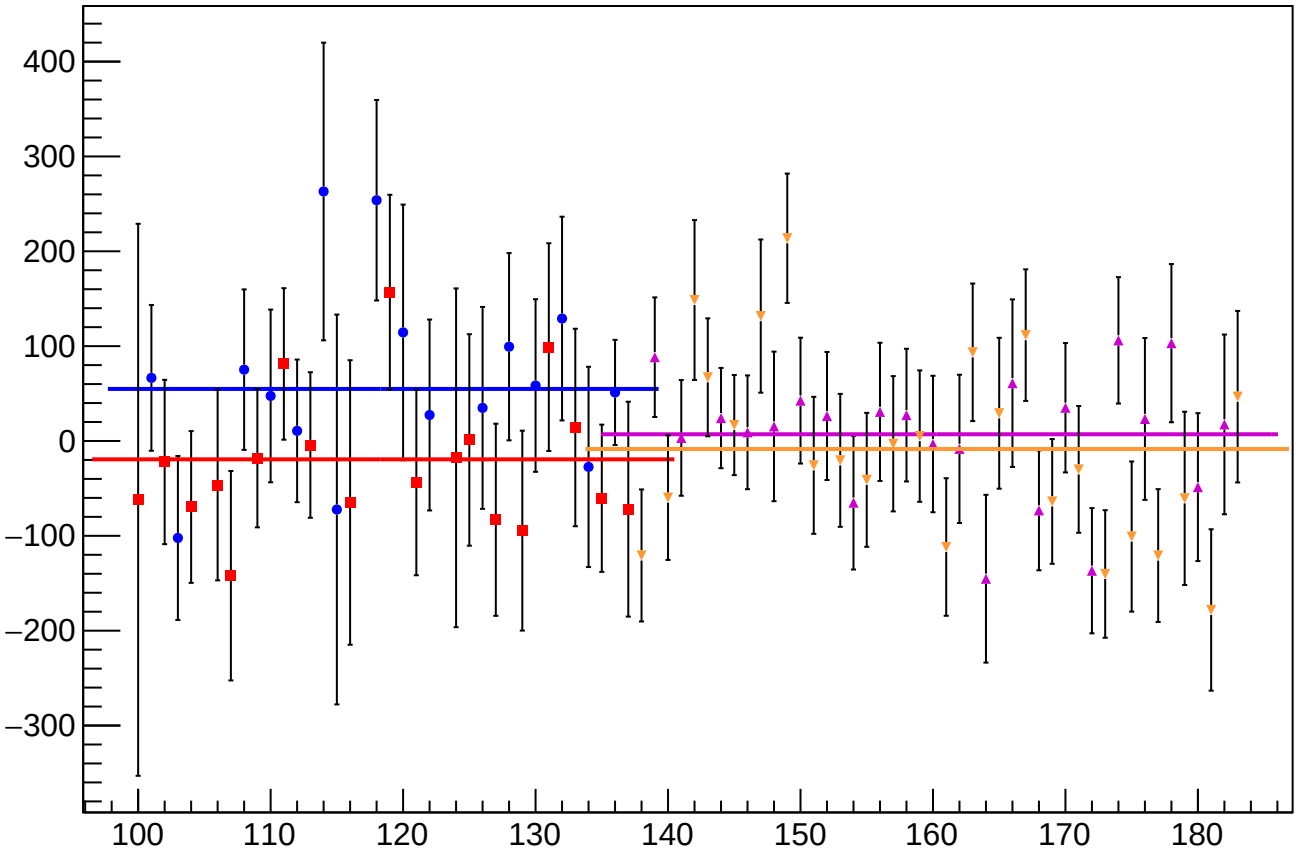
Left: 358.685+/-0.042 χ^2/NDF: 1190341.4/45

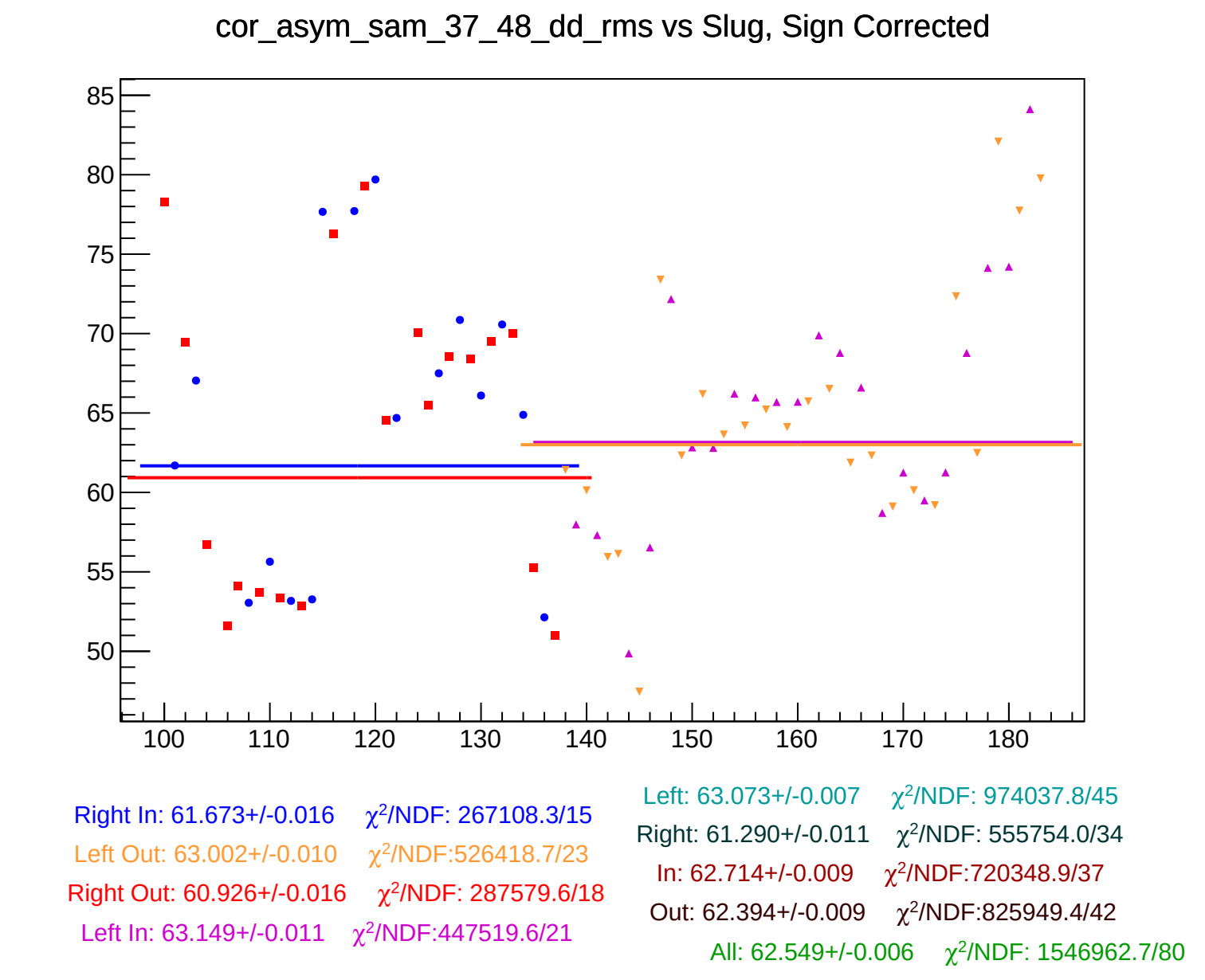
Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

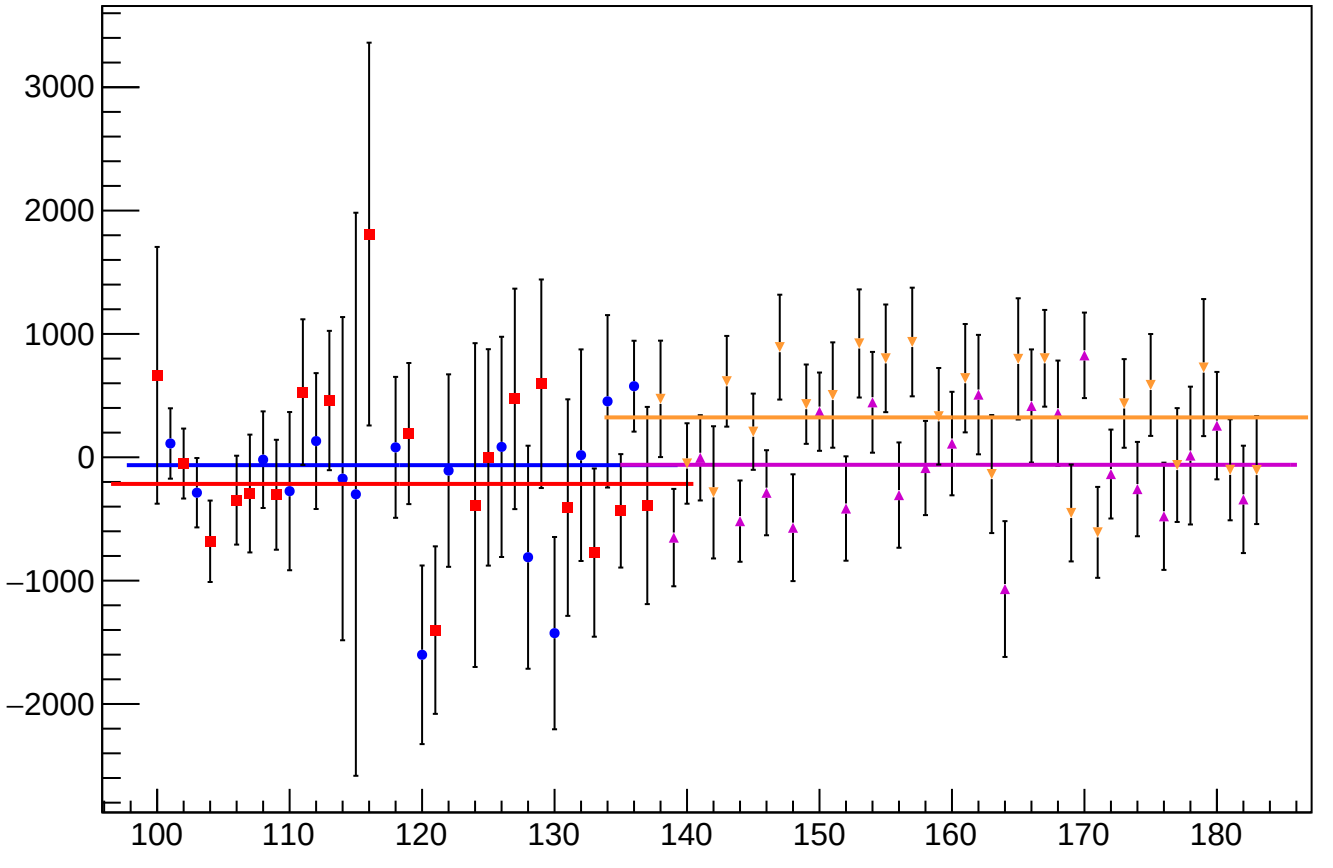
In: 348.986+/-0.050 χ^2/NDF:2338779.2/37

Out: 344.406+/-0.049 χ^2/NDF:2644522.4/42

All: 346.613+/-0.035 χ^2/NDF: 4987572.8/80


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: -8.452+/-14.537 χ²/NDF:42.8/23
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 7.075+/-14.994 χ²/NDF:17.4/21
Left: -0.929+/-10.437 χ²/NDF: 60.8/45
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 21.177+/-12.589 χ²/NDF:31.4/37
Out: -11.645+/-12.224 χ²/NDF:52.2/42
All: 4.283+/-8.770 χ²/NDF: 87.1/80


cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected
85
80
75
70
65
60
55
50
100
110
120
130
140
150
160
170
180
Right In: 61.673+/-0.016 χ²/NDF: 267108.3/15
Left Out: 63.002+/-0.010 χ²/NDF:526418.7/23
Right Out: 60.926+/-0.016 χ²/NDF: 287579.6/18
Left In: 63.149+/-0.011 χ²/NDF:447519.6/21
Left: 63.073+/-0.007 χ²/NDF: 974037.8/45
Right: 61.290+/-0.011 χ²/NDF: 555754.0/34
In: 62.714+/-0.009 χ²/NDF:720348.9/37
Out: 62.394+/-0.009 χ²/NDF:825949.4/42
All: 62.549+/-0.006 χ²/NDF: 1546962.7/80



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 323.402+/-83.096 χ^2/NDF:28.5/23

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -60.942+/-85.438 χ^2/NDF:26.1/21

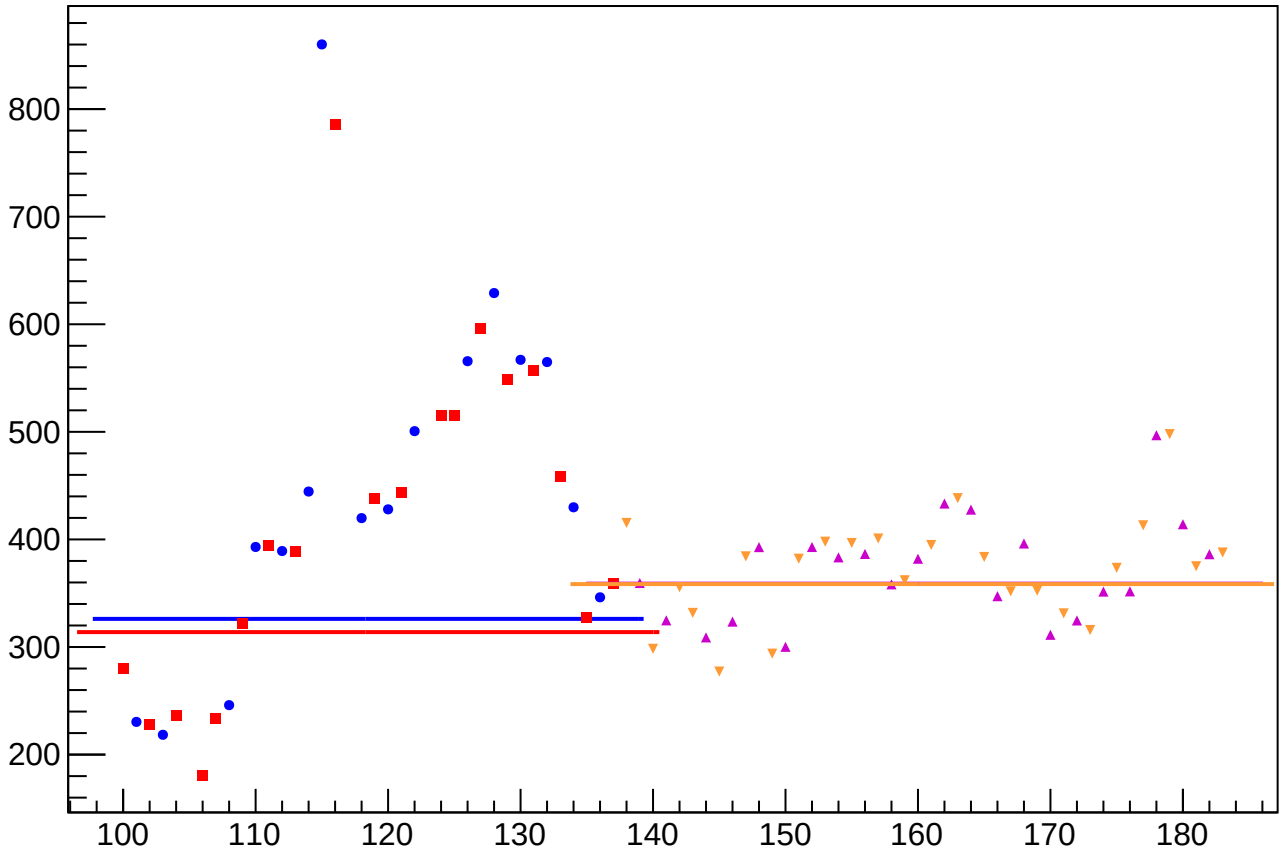
Left: 136.569+/-59.568 χ^2/NDF: 65.0/45

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -61.813+/-71.345 χ^2/NDF:39.3/37

Out: 155.317+/-68.941 χ^2/NDF:55.7/42

All: 50.470+/-49.577 χ^2/NDF: 99.8/80



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 358.480+/-0.059 χ^2/NDF:674502.3/23

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 358.901+/-0.060 χ^2/NDF:515813.3/21

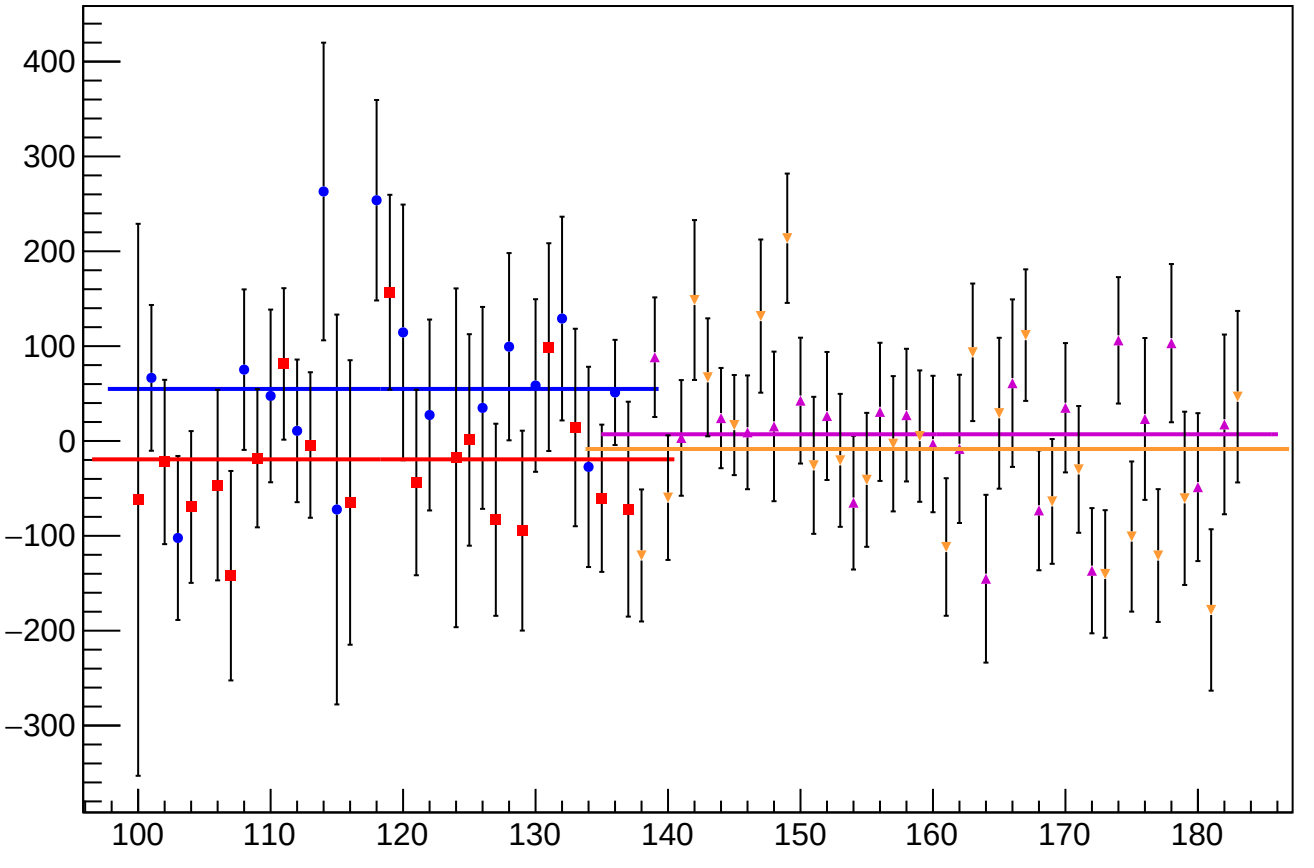
Left: 358.685+/-0.042 χ^2/NDF: 1190340.6/45

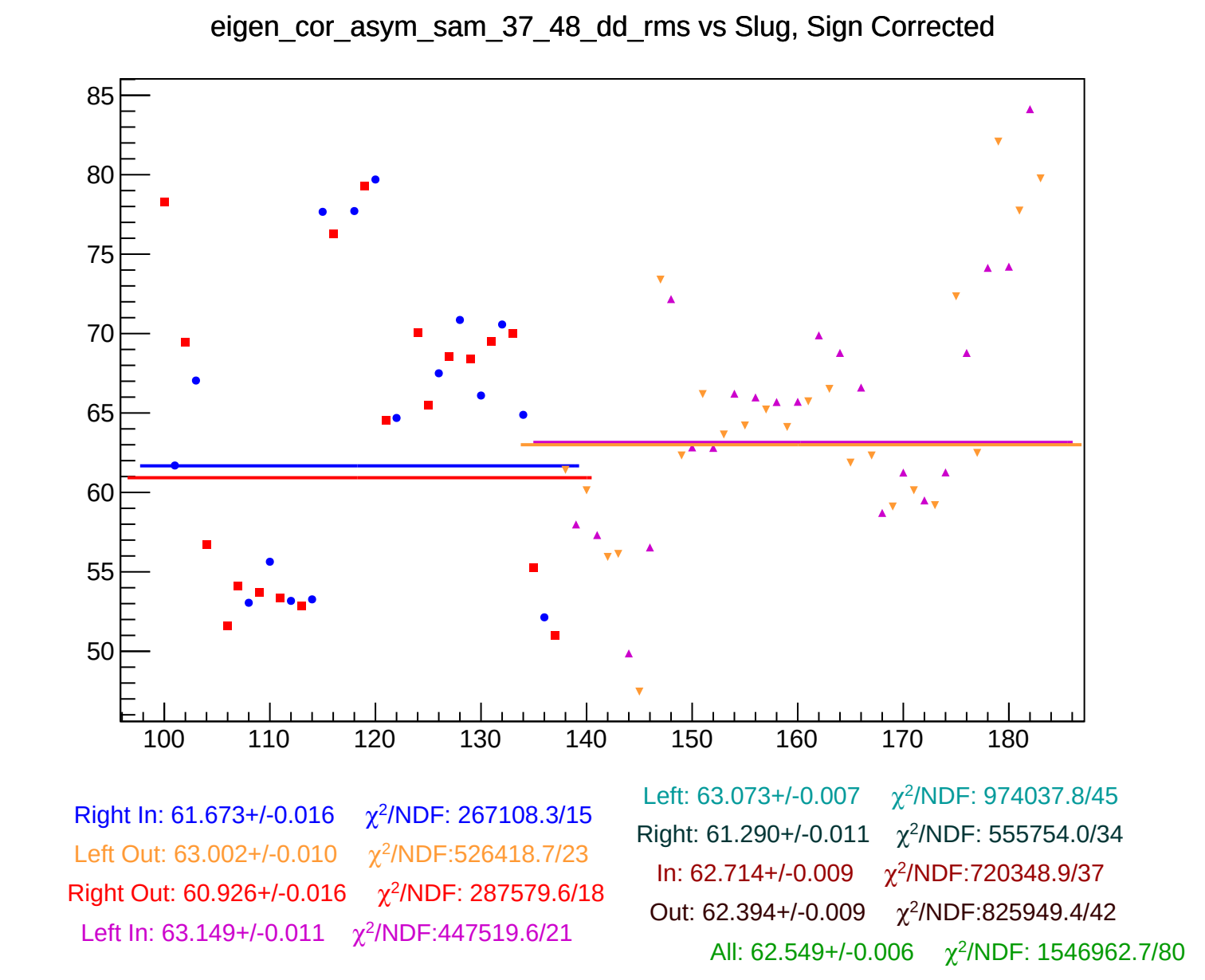
Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

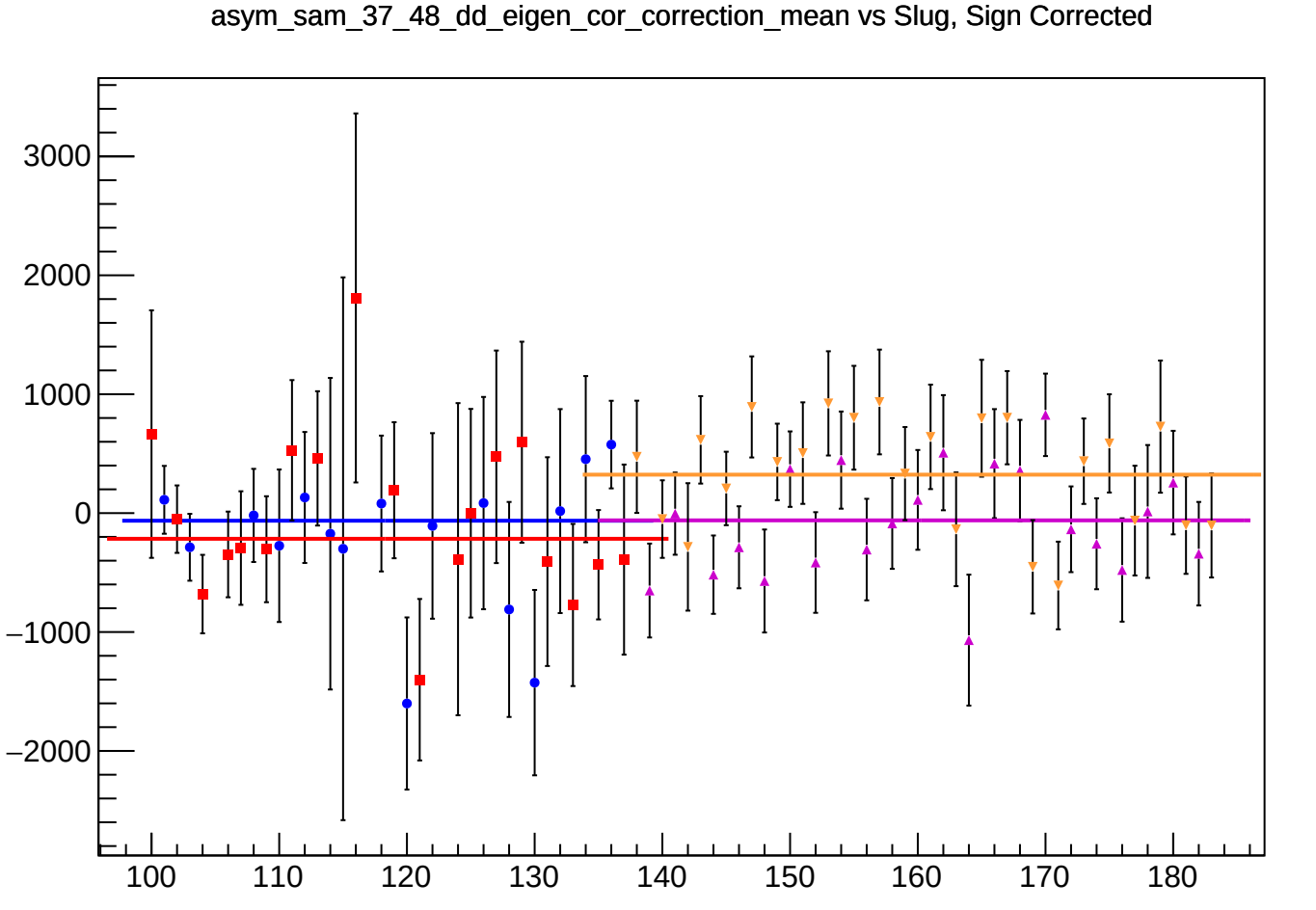
In: 348.987+/-0.050 χ^2/NDF:2338704.5/37

Out: 344.574+/-0.049 χ^2/NDF:2660005.7/42

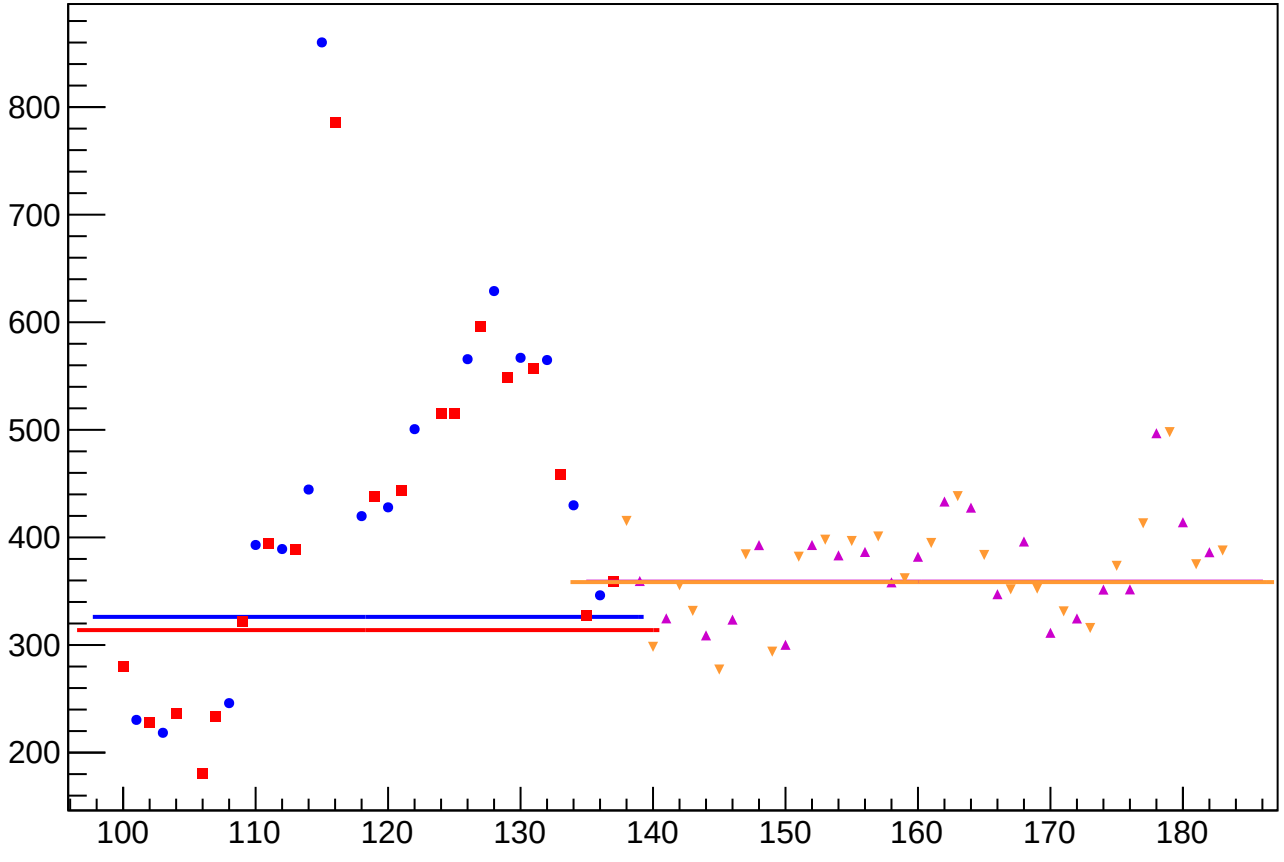
All: 346.705+/-0.035 χ^2/NDF: 5002667.9/80


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: -8.452+/-14.537 χ²/NDF:42.8/23
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 7.075+/-14.994 χ²/NDF:17.4/21
Left: -0.929+/-10.437 χ²/NDF: 60.8/45
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 21.177+/-12.589 χ²/NDF:31.4/37
Out: -11.645+/-12.224 χ²/NDF:52.2/42
All: 4.283+/-8.770 χ²/NDF: 87.1/80


eigen_cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected
85
80
75
70
65
60
55
50
100
110
120
130
140
150
160
170
180
Right In: 61.673+/-0.016 χ²/NDF: 267108.3/15
Left Out: 63.002+/-0.010 χ²/NDF:526418.7/23
Right Out: 60.926+/-0.016 χ²/NDF: 287579.6/18
Left In: 63.149+/-0.011 χ²/NDF:447519.6/21
Left: 63.073+/-0.007 χ²/NDF: 974037.8/45
Right: 61.290+/-0.011 χ²/NDF: 555754.0/34
In: 62.714+/-0.009 χ²/NDF:720348.9/37
Out: 62.394+/-0.009 χ²/NDF:825949.4/42
All: 62.549+/-0.006 χ²/NDF: 1546962.7/80


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: 323.402+/-83.096 χ²/NDF:28.5/23
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -60.942+/-85.438 χ²/NDF:26.1/21
Left: 136.569+/-59.568 χ²/NDF: 65.0/45
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -61.813+/-71.345 χ²/NDF:39.3/37
Out: 155.317+/-68.941 χ²/NDF:55.7/42
All: 50.470+/-49.577 χ²/NDF: 99.8/80

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 358.480+/-0.059 χ^2/NDF:674502.3/23

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 358.901+/-0.060 χ^2/NDF:515813.3/21

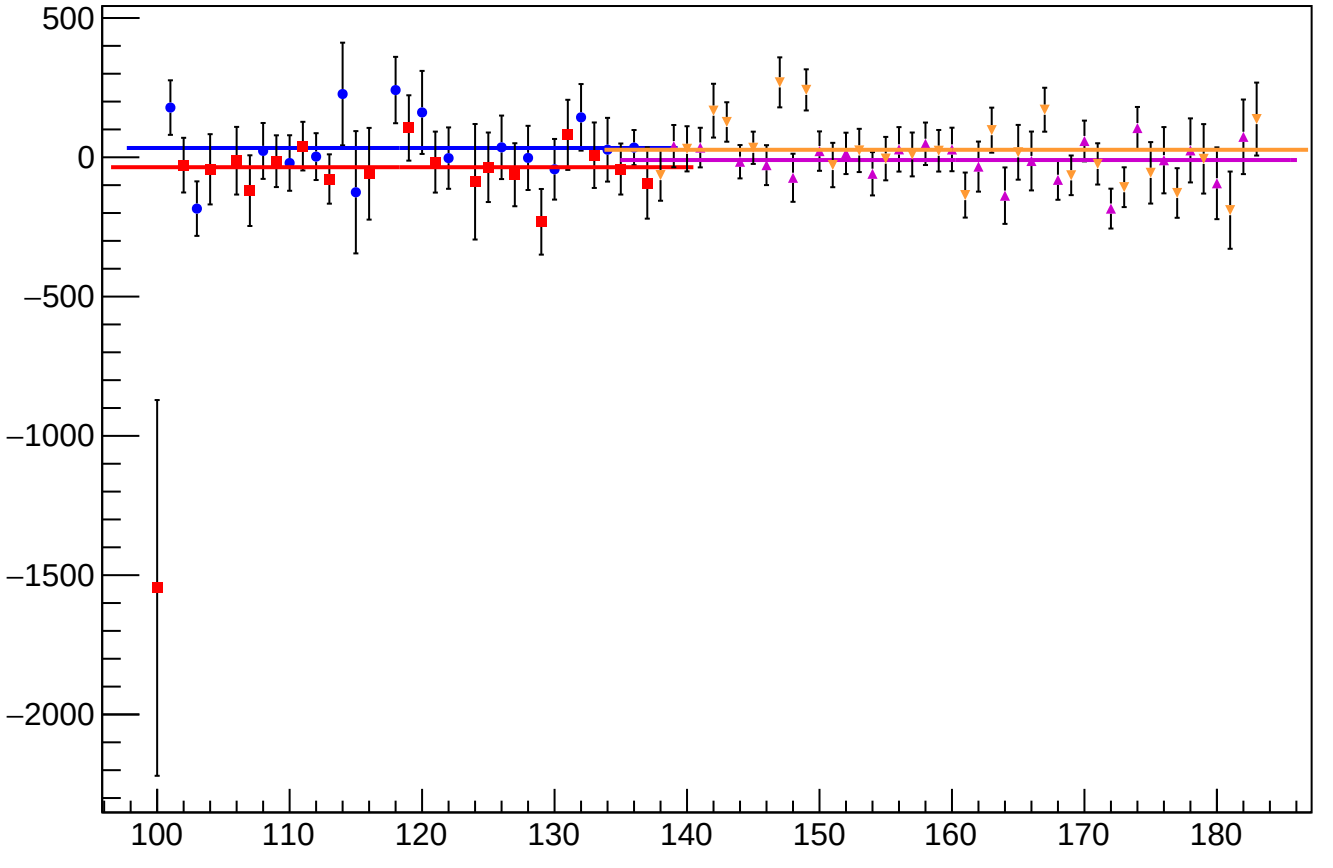
Left: 358.685+/-0.042 χ^2/NDF: 1190340.6/45

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 348.987+/-0.050 χ^2/NDF:2338704.5/37

Out: 344.574+/-0.049 χ^2/NDF:2660005.7/42

All: 346.705+/-0.035 χ^2/NDF: 5002667.9/80



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 26.949+/-16.806 χ^2/NDF:42.1/23

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -9.832+/-17.293 χ^2/NDF:15.9/21

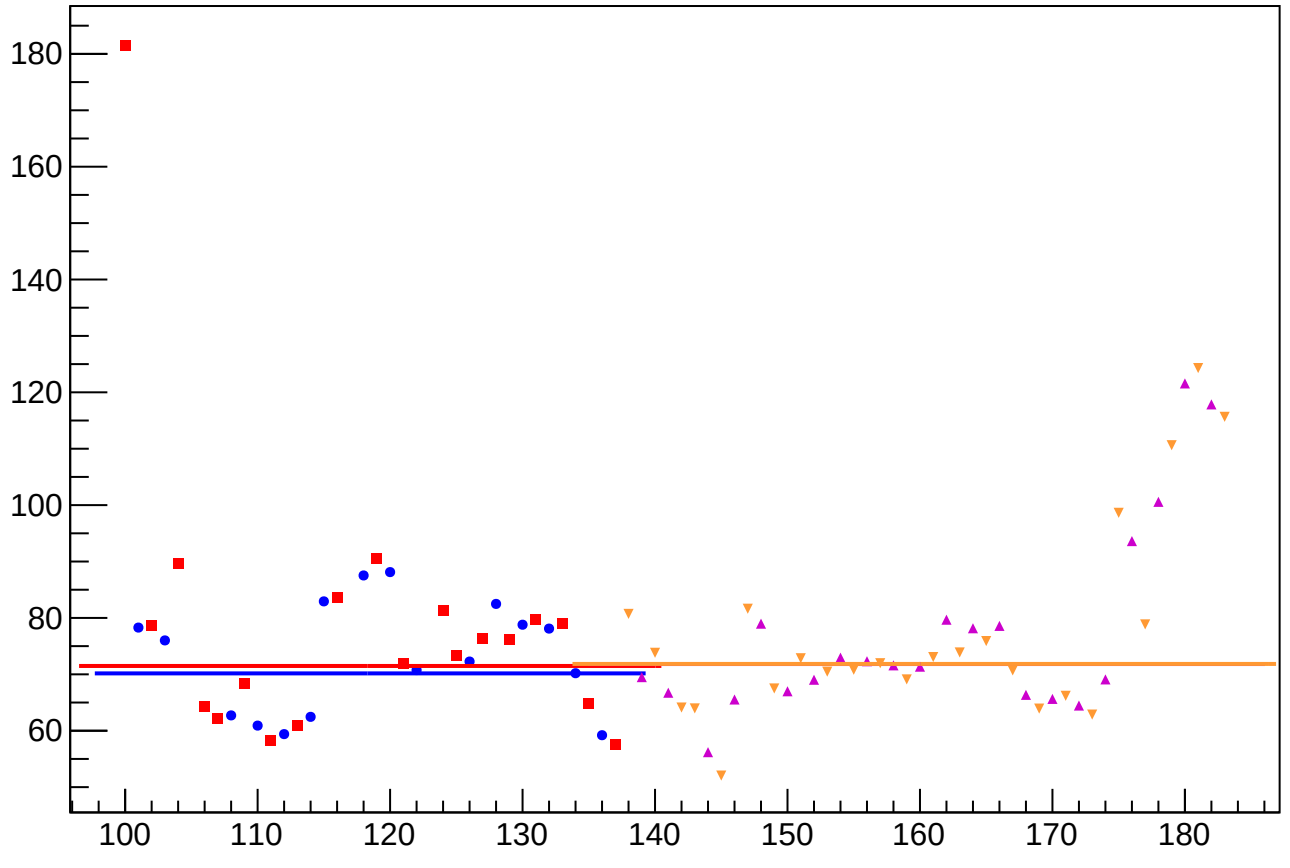
Left: 9.083+/-12.052 χ^2/NDF: 60.3/45

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 3.137+/-14.468 χ^2/NDF:32.3/37

Out: 9.049+/-14.198 χ^2/NDF:58.2/42

All: 6.149+/-10.134 χ^2/NDF: 90.6/80



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 71.844+/-0.012 χ^2/NDF:1233373.5/23

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 71.825+/-0.012 χ^2/NDF:998112.7/21

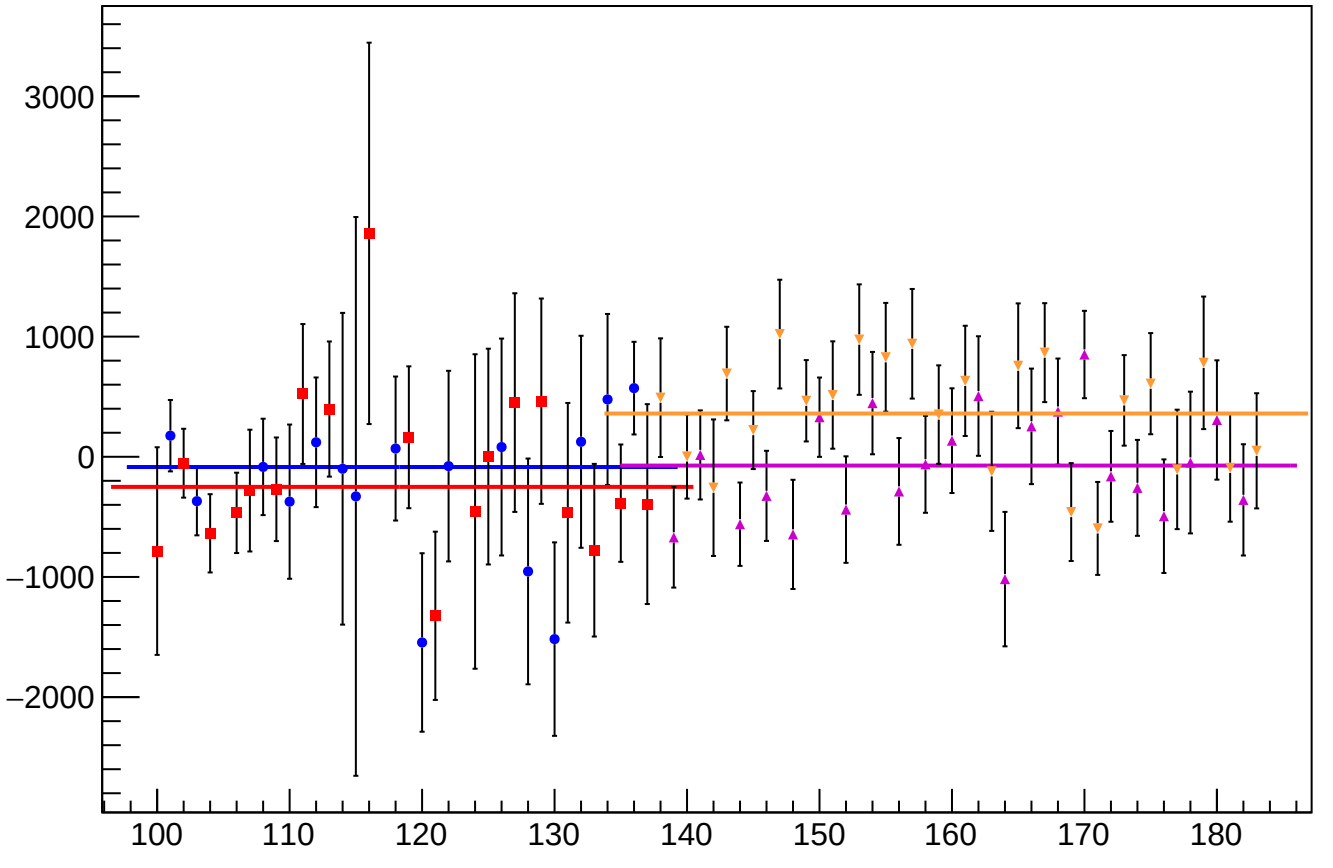
Left: 71.835+/-0.009 χ^2/NDF: 2231487.4/45

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 71.328+/-0.010 χ^2/NDF:1272876.8/37

Out: 71.740+/-0.010 χ^2/NDF:1559352.2/42

All: 71.538+/-0.007 χ^2/NDF: 2833058.0/80



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 360.023+/-87.383 χ^2/NDF:26.9/23

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: 150.076+/-62.731 χ^2/NDF: 63.3/45

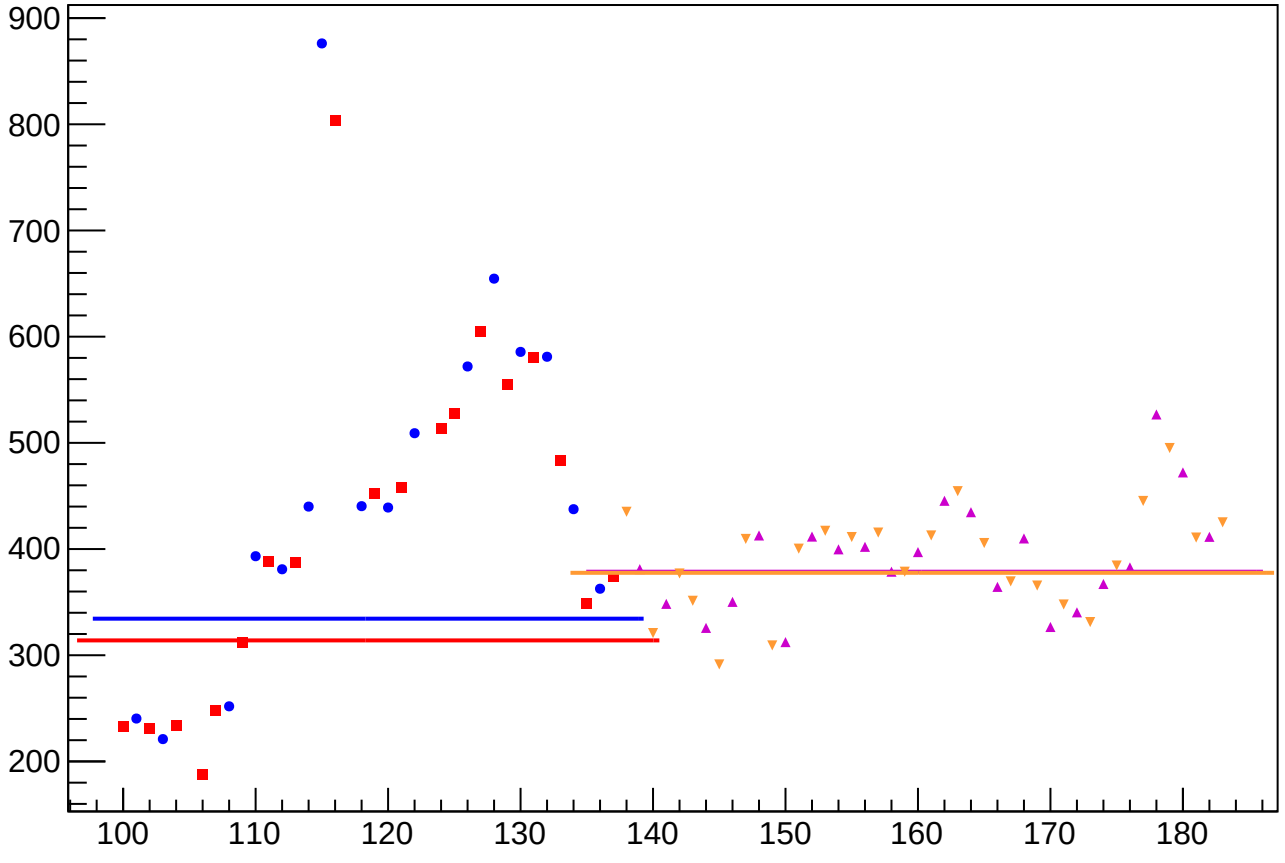
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -76.964+/-74.579 χ^2/NDF:38.1/37

Out: 155.927+/-71.295 χ^2/NDF:55.7/42

All: 44.722+/-51.535 χ^2/NDF: 99.0/80

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: 377.628+/-0.062 χ^2/NDF:636133.5/23

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 378.663+/-0.064 χ^2/NDF:527008.0/21

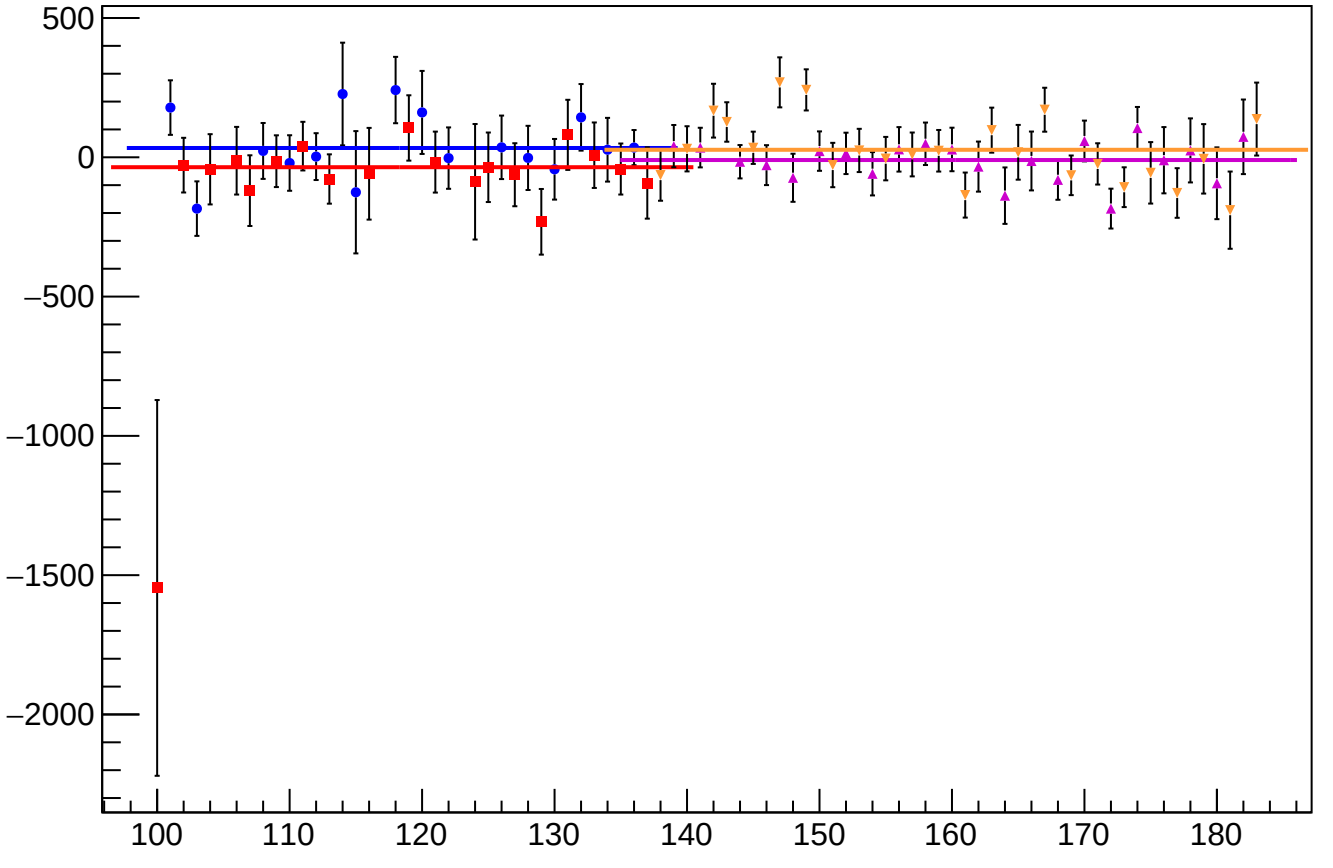
Left: 378.130+/-0.044 χ^2/NDF: 1163277.4/45

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 364.729+/-0.053 χ^2/NDF:2409422.9/37

Out: 356.346+/-0.050 χ^2/NDF:2895589.3/42

All: 360.349+/-0.036 χ^2/NDF: 5318216.6/80



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 26.948+/-16.806 χ^2/NDF:42.1/23

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -9.832+/-17.293 χ^2/NDF:15.9/21

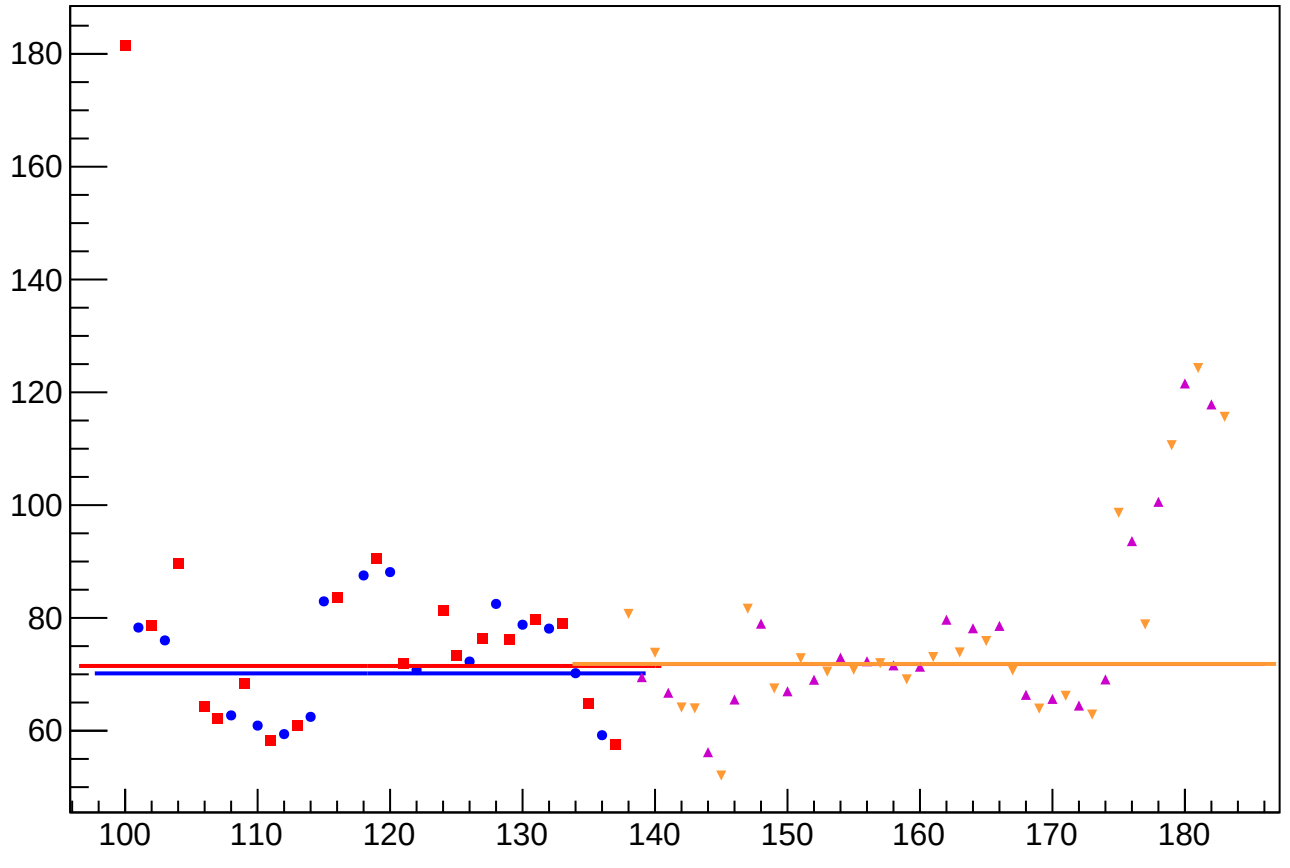
Left: 9.082+/-12.052 χ^2/NDF: 60.3/45

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 3.137+/-14.468 χ^2/NDF:32.3/37

Out: 9.048+/-14.198 χ^2/NDF:58.2/42

All: 6.148+/-10.134 χ^2/NDF: 90.6/80



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 71.844+/-0.012 χ^2/NDF:1233381.7/23

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 71.825+/-0.012 χ^2/NDF:998102.4/21

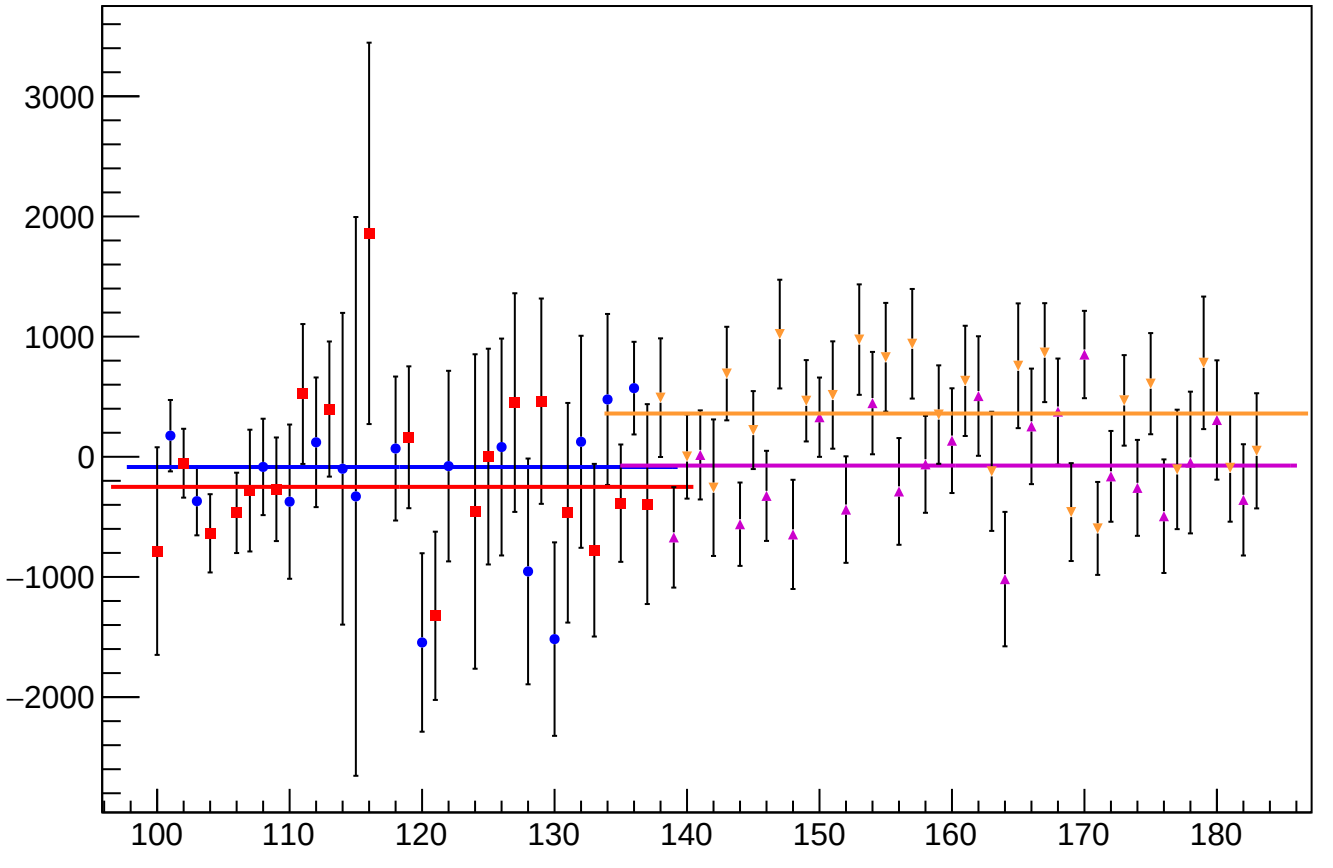
Left: 71.835+/-0.009 χ^2/NDF: 2231485.3/45

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 71.328+/-0.010 χ^2/NDF:1272868.6/37

Out: 71.740+/-0.010 χ^2/NDF:1559366.6/42

All: 71.538+/-0.007 χ^2/NDF: 2833064.2/80



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 360.021+/-87.383 χ^2/NDF:26.9/23

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -73.184+/-90.111 χ^2/NDF:24.4/21

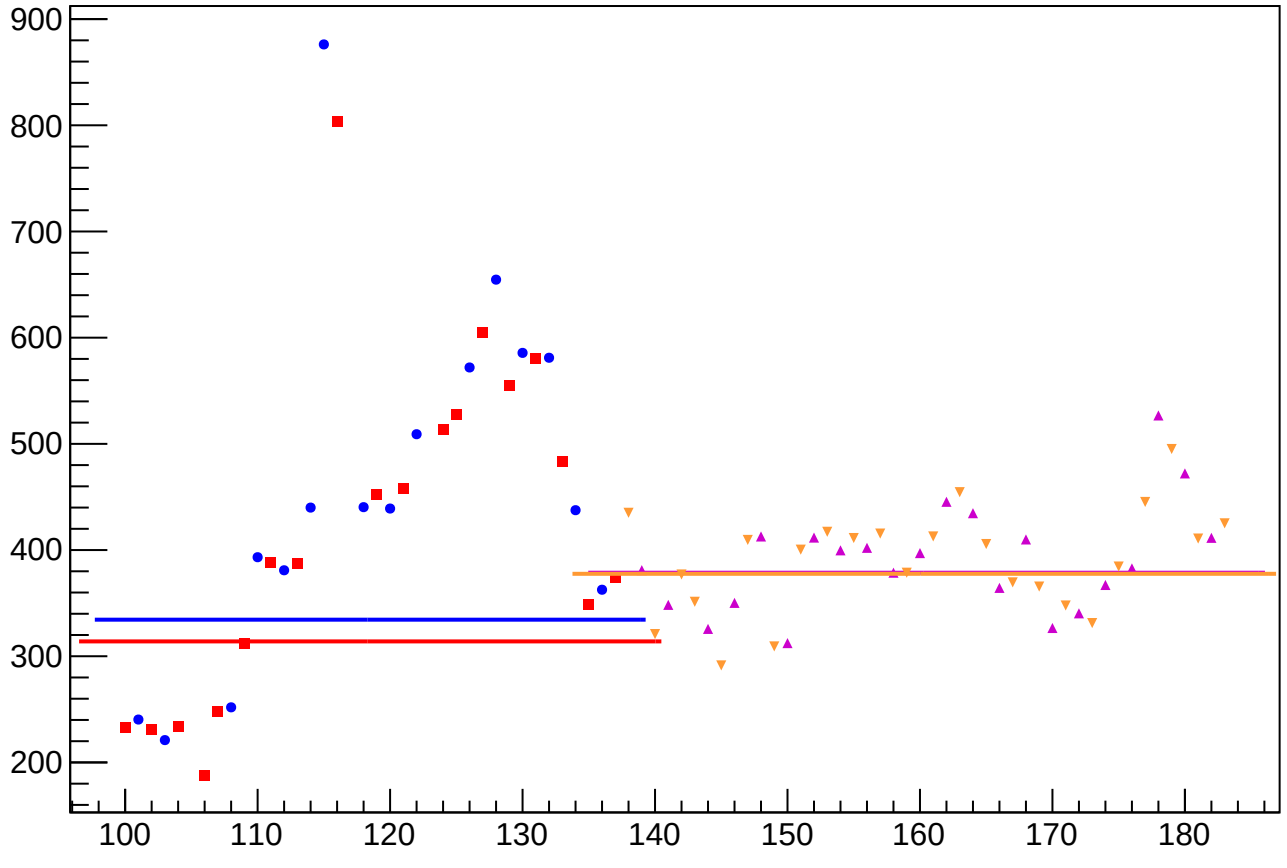
Left: 150.076+/-62.731 χ^2/NDF: 63.3/45

Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -76.964+/-74.579 χ^2/NDF:38.1/37

Out: 155.926+/-71.295 χ^2/NDF:55.7/42

All: 44.722+/-51.535 χ^2/NDF: 99.0/80



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 377.628+/-0.062 χ^2/NDF:636133.6/23

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 378.663+/-0.064 χ^2/NDF:527003.8/21

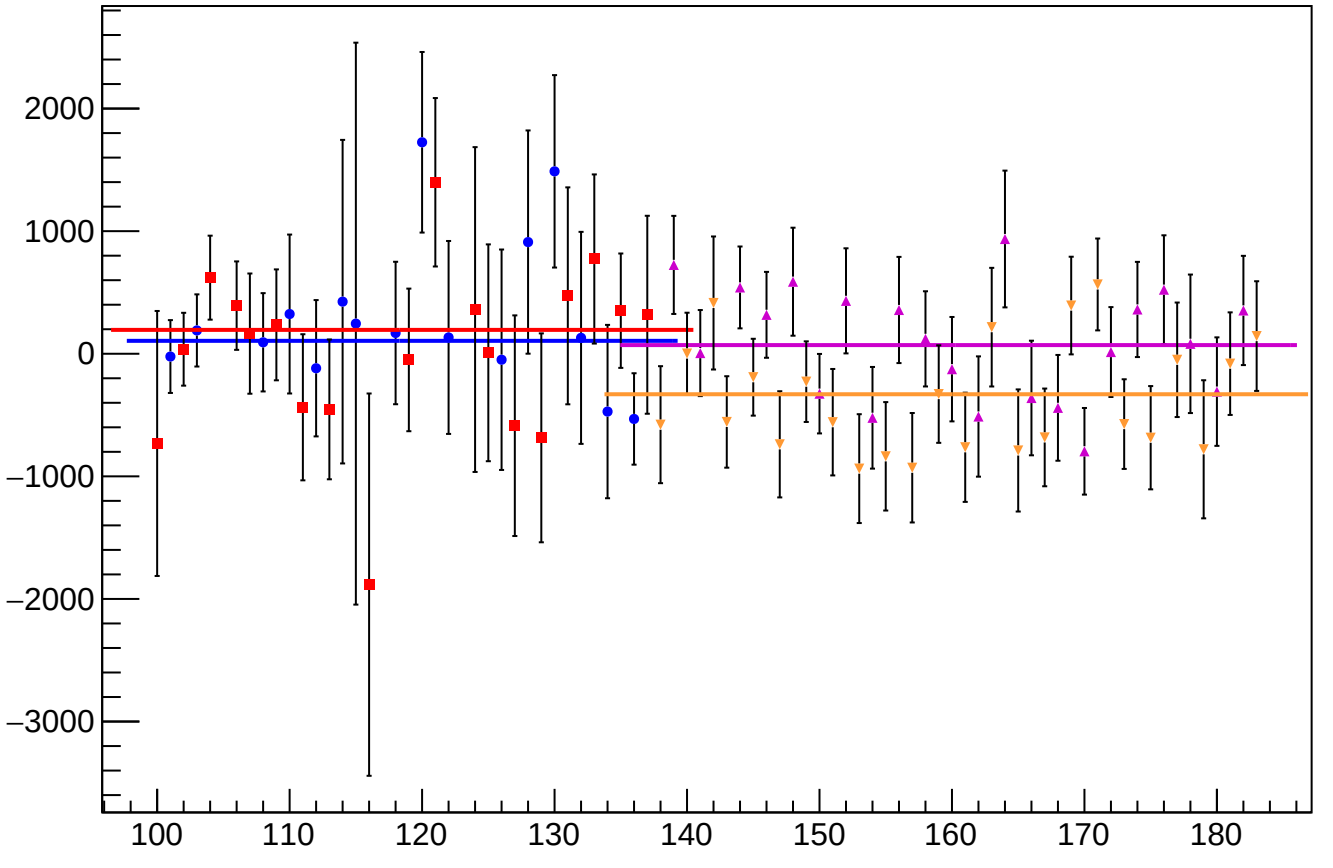
Left: 378.129+/-0.044 χ^2/NDF: 1163273.3/45

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 364.729+/-0.053 χ^2/NDF:2409414.6/37

Out: 356.345+/-0.050 χ^2/NDF:2895584.2/42

All: 360.349+/-0.036 χ^2/NDF: 5318203.6/80



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -330.290+/-84.449 χ^2/NDF:26.4/23

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: -135.374+/-60.536 χ^2/NDF: 63.7/45

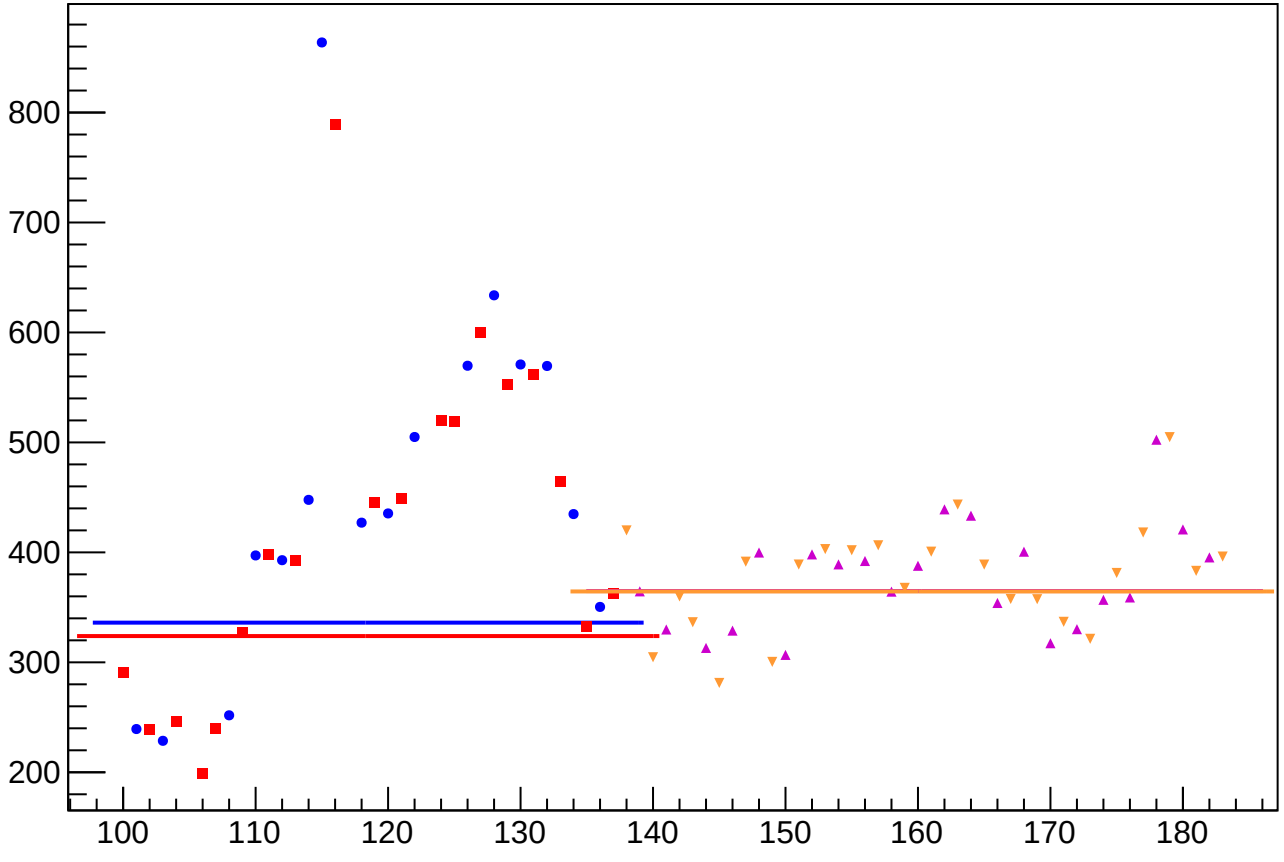
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 81.031+/-72.710 χ^2/NDF:39.3/37

Out: -167.910+/-70.184 χ^2/NDF:51.5/42

All: -47.839+/-50.497 χ^2/NDF: 96.9/80

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 364.461+/-0.060 χ^2/NDF:660324.5/23

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 364.827+/-0.061 χ^2/NDF:504718.3/21

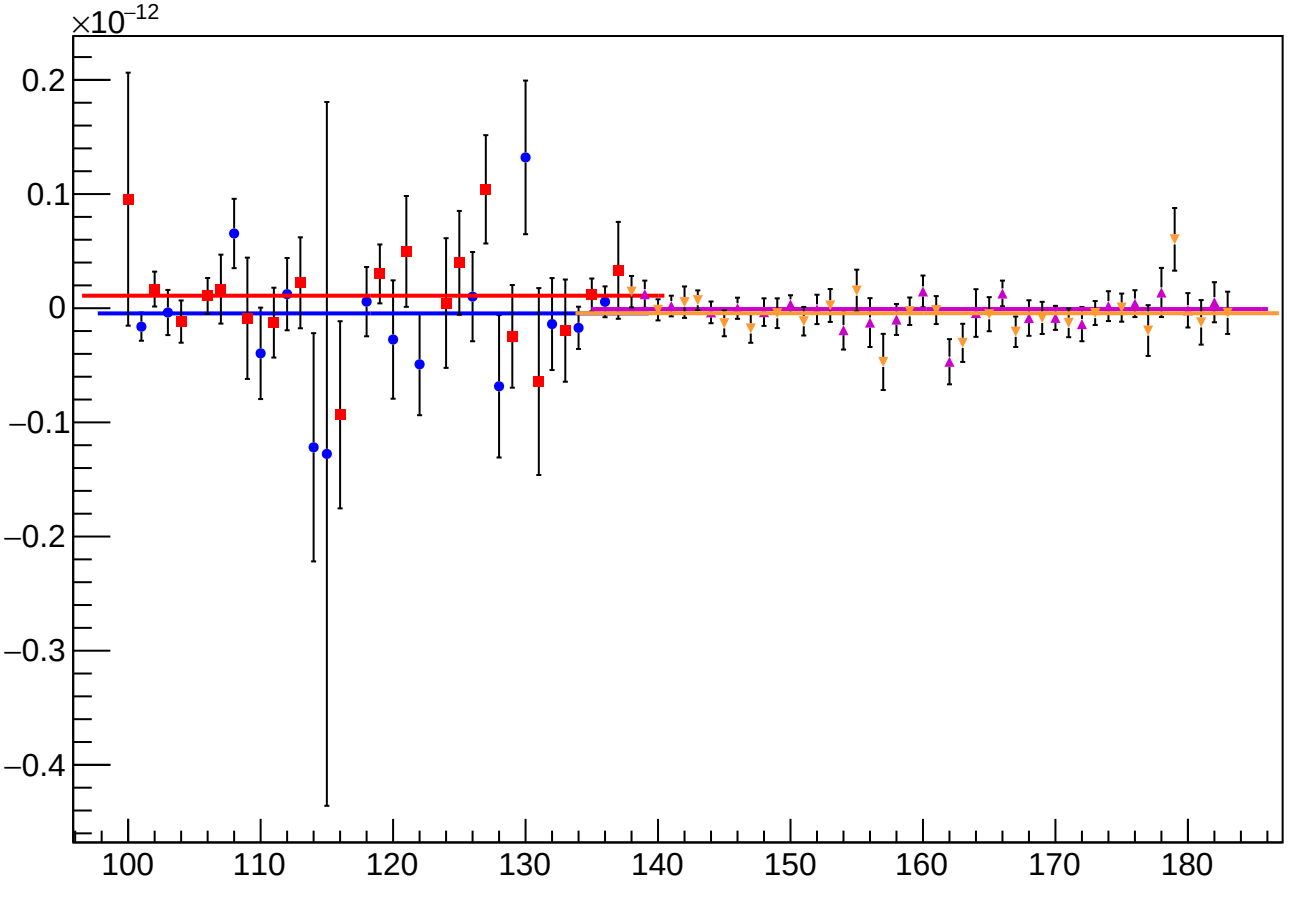
Left: 364.639+/-0.043 χ^2/NDF: 1165061.0/45

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 356.244+/-0.051 χ^2/NDF:2189142.6/37

Out: 351.911+/-0.050 χ^2/NDF:2468548.9/42

All: 354.001+/-0.036 χ^2/NDF: 4661369.1/80



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.5/23

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: 36.6/45

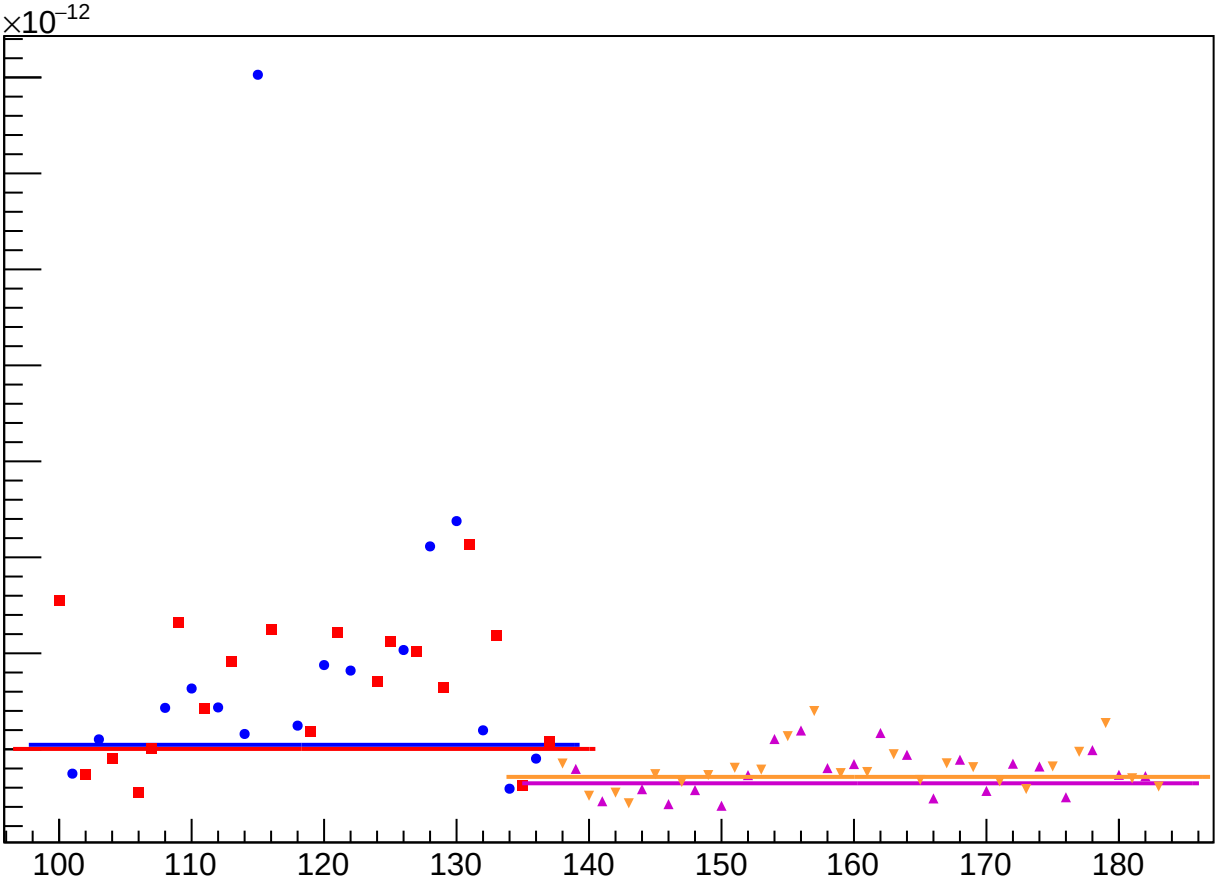
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:30.9/37

Out: -0.000+/-0.000 χ^2/NDF:38.7/42

All: -0.000+/-0.000 χ^2/NDF: 69.7/80

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:872276.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1215073.5/21

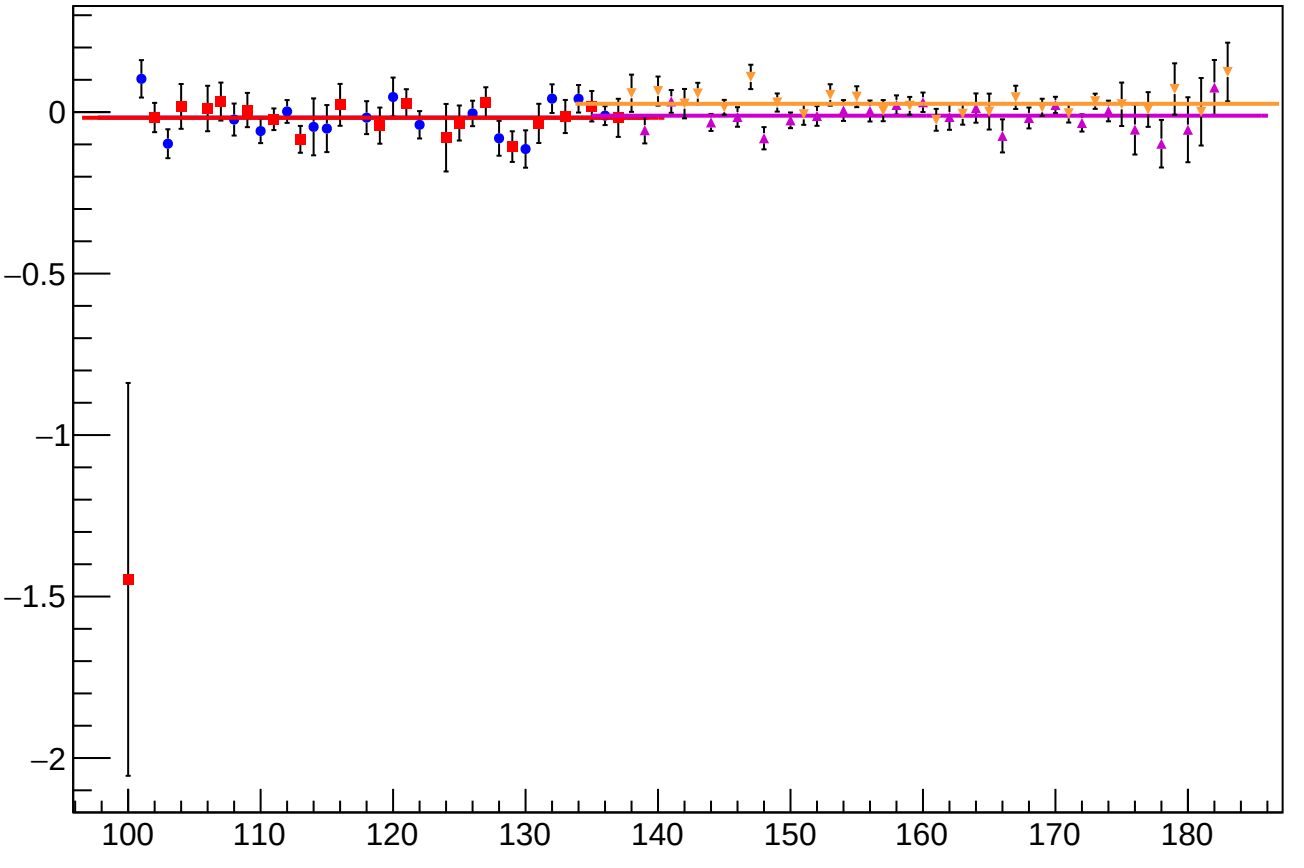
Left: 0.000+/-0.000 χ^2/NDF: 2148564.6/45

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:3059005.8/37

Out: 0.000+/-0.000 χ^2/NDF:2637530.0/42

All: 0.000+/-0.000 χ^2/NDF: 5740958.7/80



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.026+/-0.007 χ^2/NDF:16.2/23

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: 0.008+/-0.005 χ^2/NDF: 48.0/45

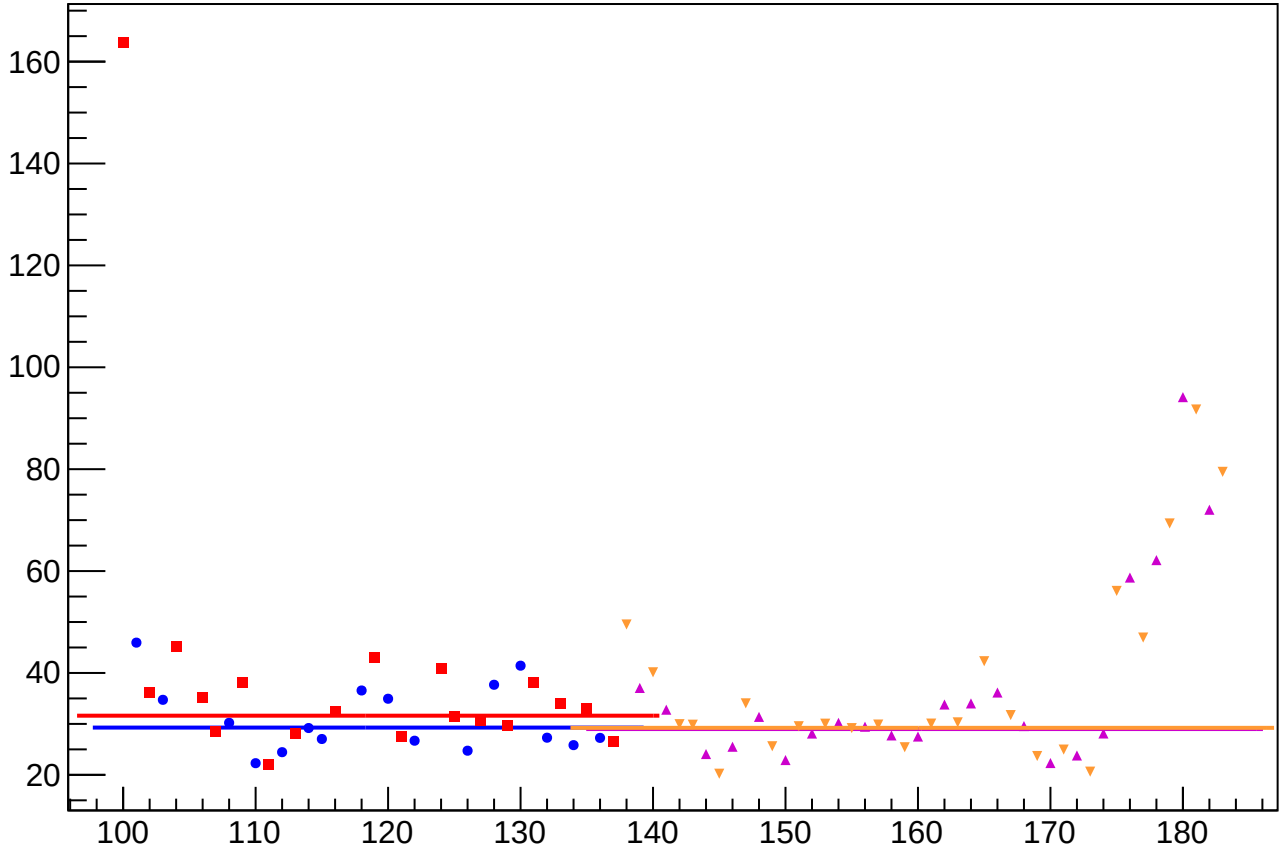
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:37.9/37

Out: 0.014+/-0.006 χ^2/NDF:42.5/42

All: 0.001+/-0.004 χ^2/NDF: 90.2/80

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 29.226+/-0.005 χ^2/NDF:3678639.8/23

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.991+/-0.005 χ^2/NDF:2707905.0/21

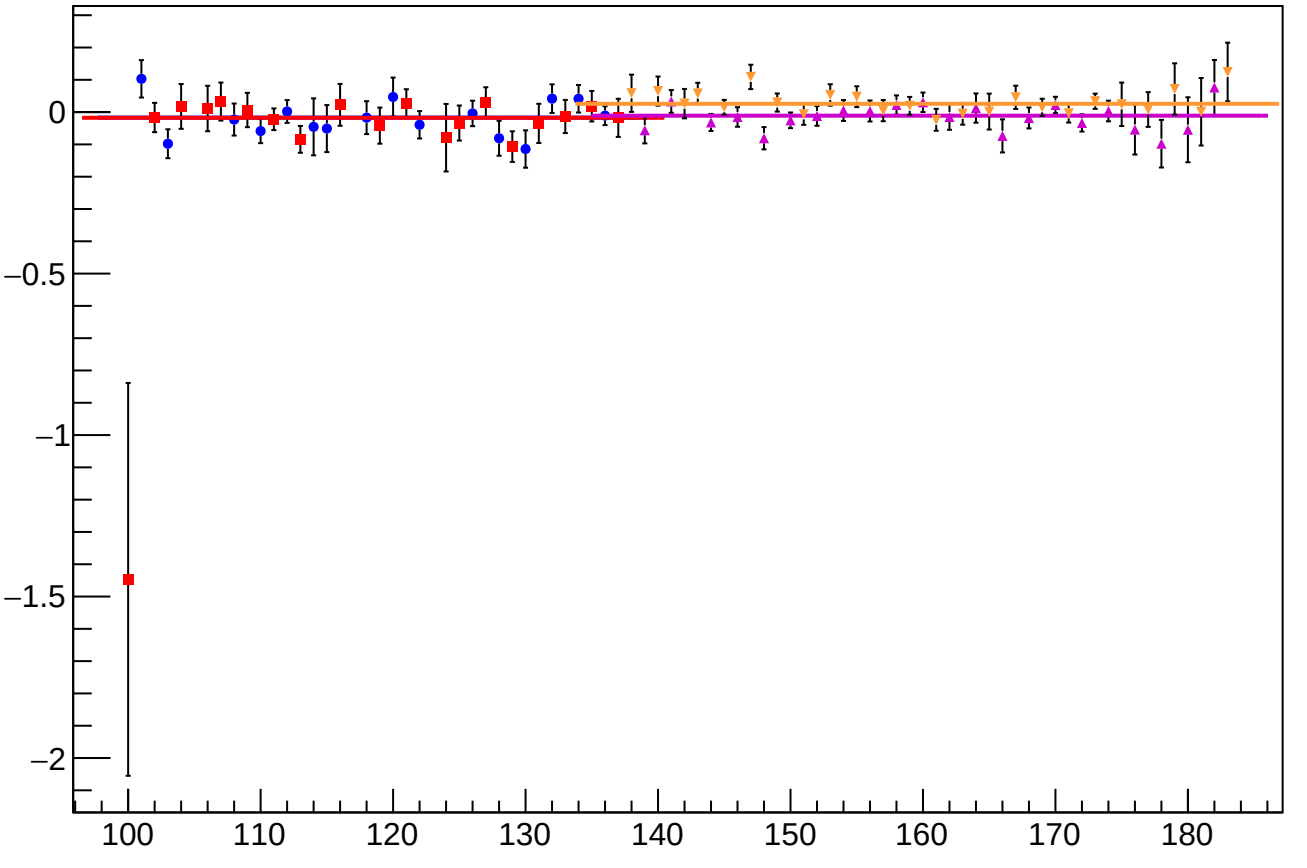
Left: 29.111+/-0.004 χ^2/NDF: 6387597.1/45

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.076+/-0.004 χ^2/NDF:3269464.9/37

Out: 29.849+/-0.004 χ^2/NDF:4308358.3/42

All: 29.460+/-0.003 χ^2/NDF: 7593567.4/80



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.026+/-0.007 χ^2/NDF:16.2/23

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: 0.008+/-0.005 χ^2/NDF: 48.0/45

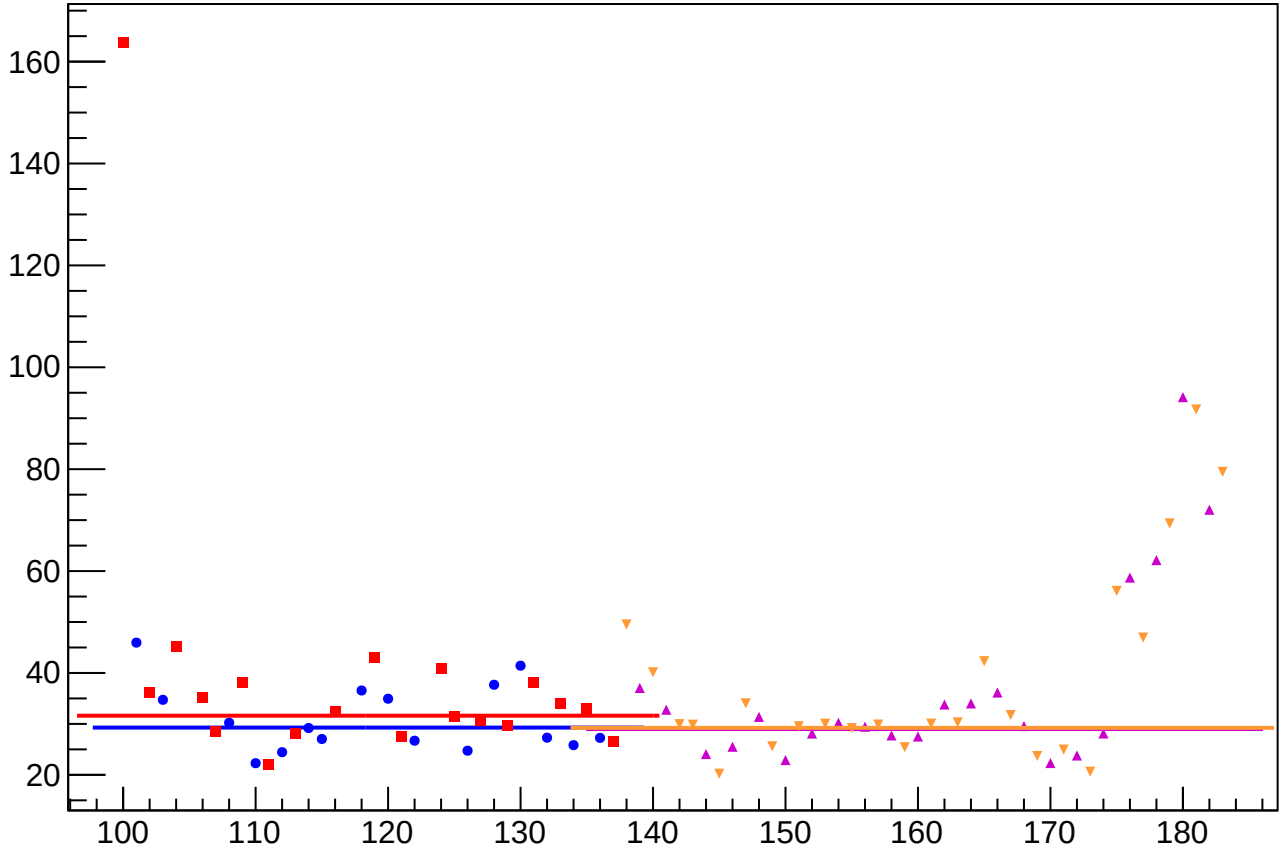
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:37.9/37

Out: 0.014+/-0.006 χ^2/NDF:42.5/42

All: 0.001+/-0.004 χ^2/NDF: 90.2/80

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: 29.226+/-0.005 χ^2/NDF:3678639.8/23

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.991+/-0.005 χ^2/NDF:2707905.0/21

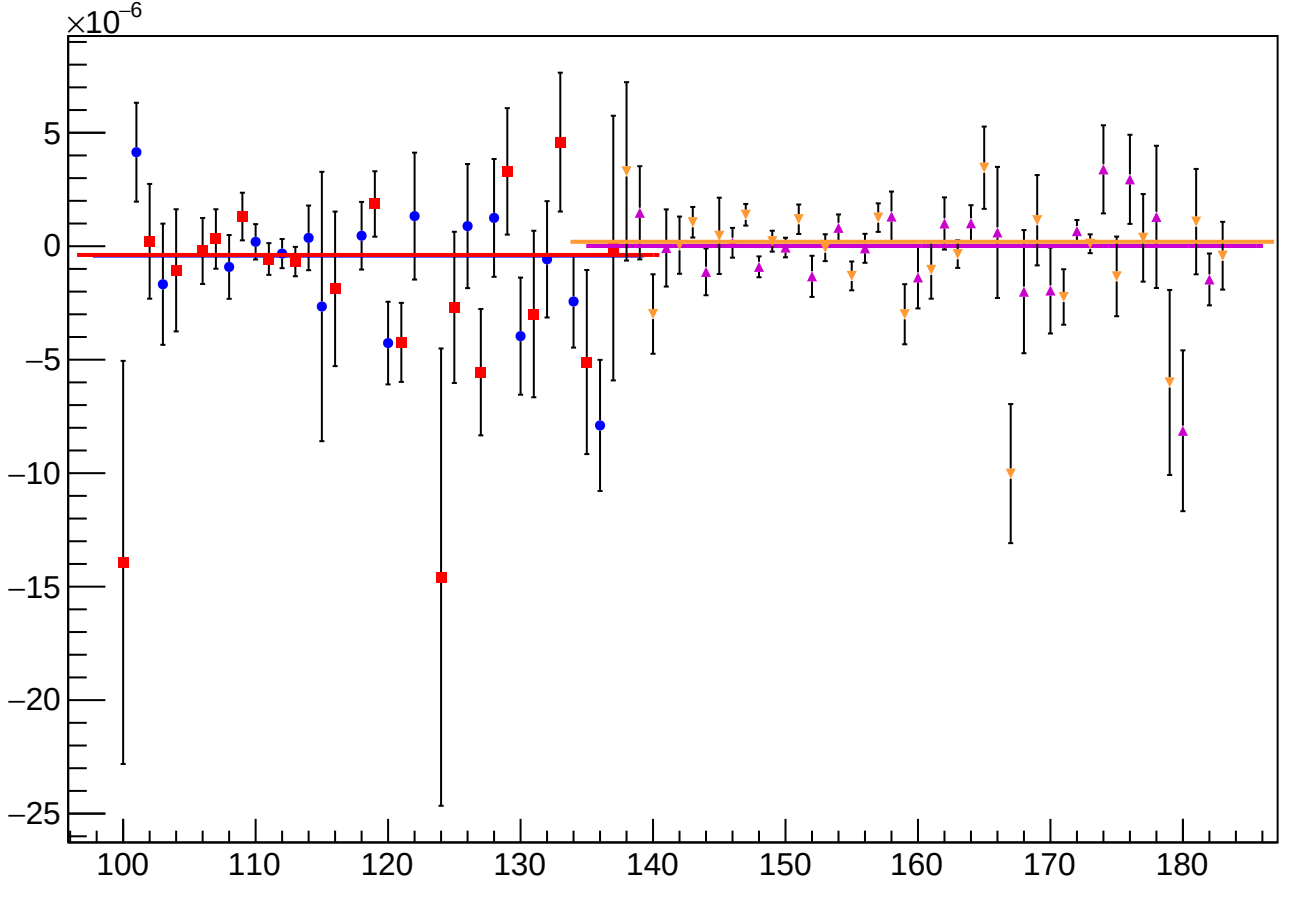
Left: 29.111+/-0.004 χ^2/NDF: 6387597.1/45

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.076+/-0.004 χ^2/NDF:3269464.9/37

Out: 29.849+/-0.004 χ^2/NDF:4308358.3/42

All: 29.460+/-0.003 χ^2/NDF: 7593567.4/80



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:30.4/21

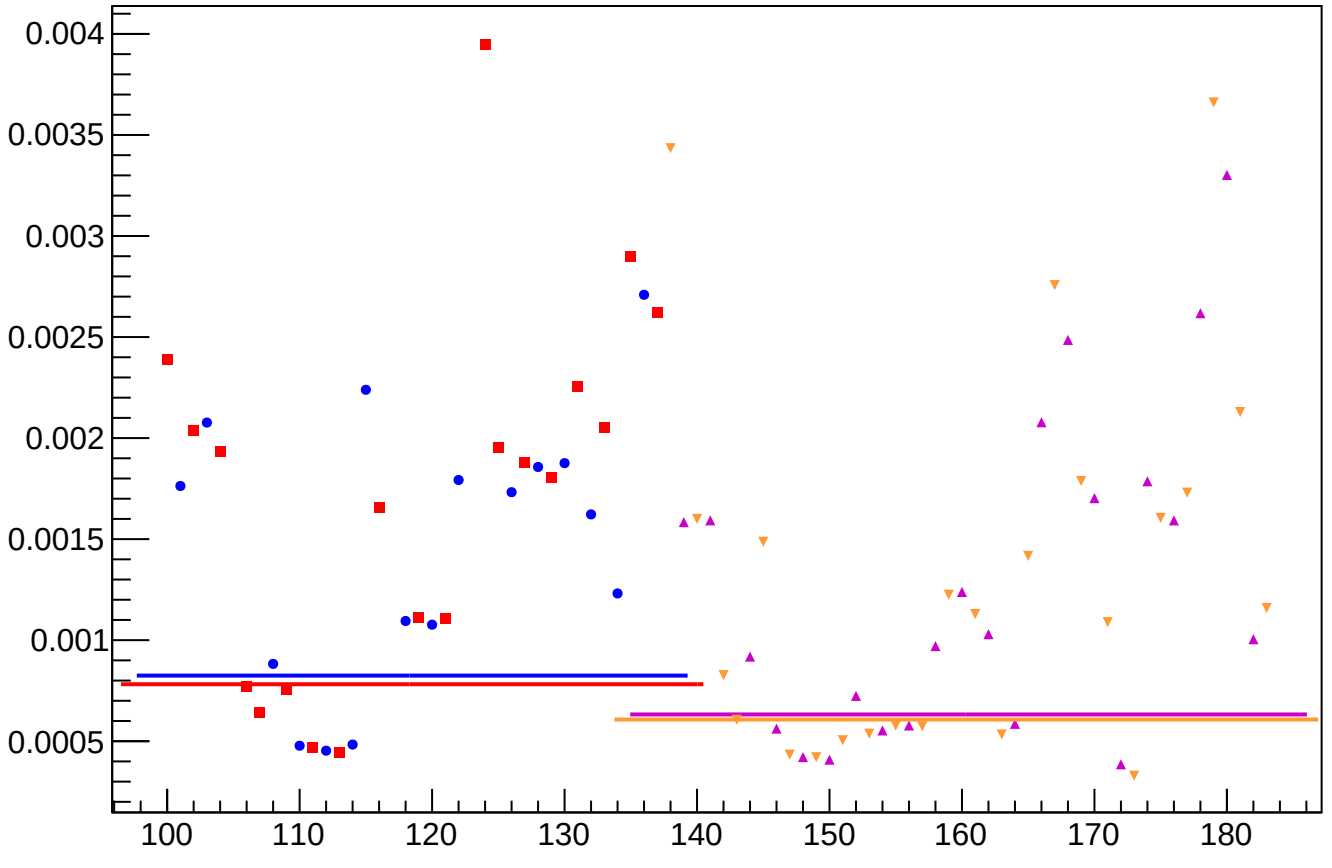
Left: 0.000+/-0.000 χ^2/NDF: 83.4/45

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:80.0/42

All: 0.000+/-0.000 χ^2/NDF: 133.2/80



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:10646054.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9020263.0/21

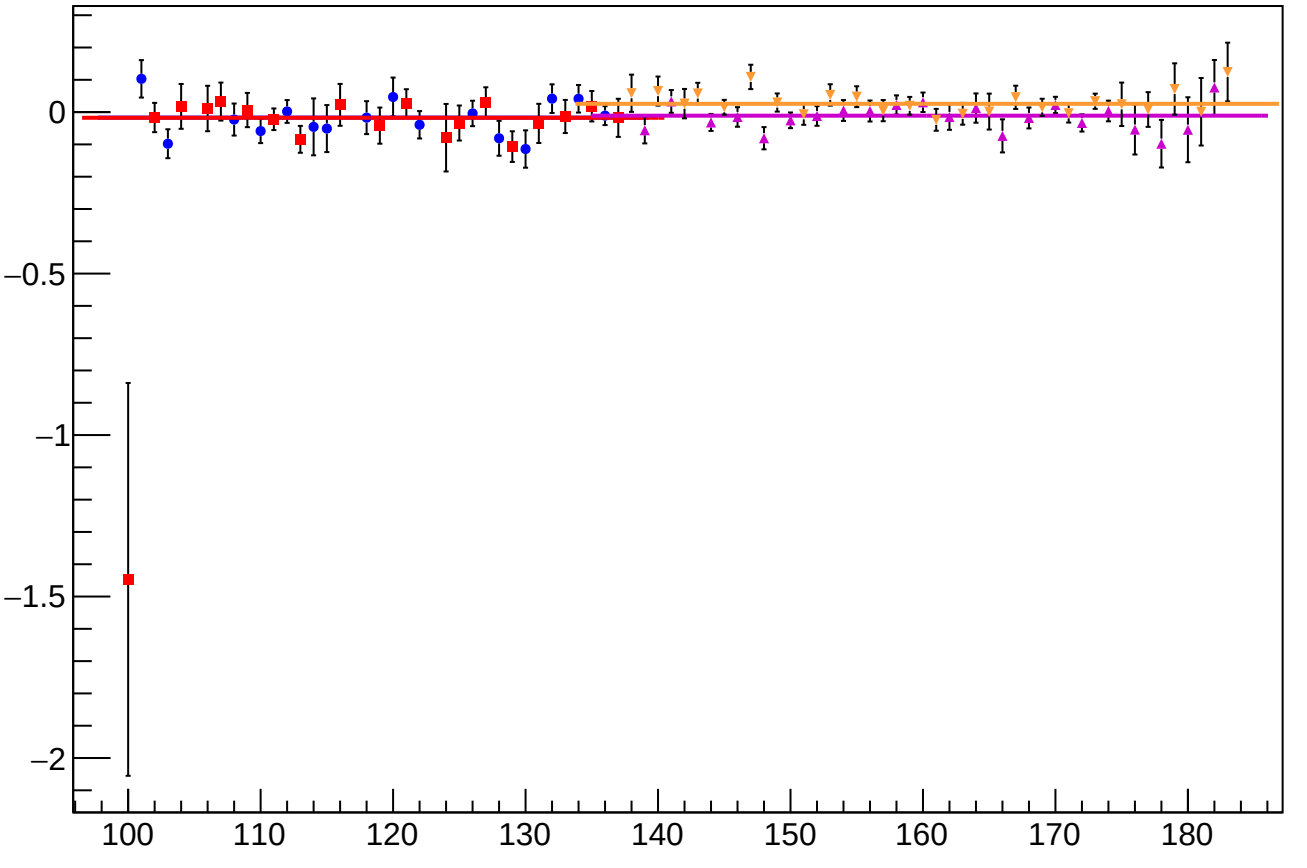
Left: 0.001+/-0.000 χ^2/NDF: 19686869.0/45

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:15691468.8/42

All: 0.001+/-0.000 χ^2/NDF: 29629348.2/80



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.026+/-0.007 χ^2/NDF:16.2/23

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:18.9/21

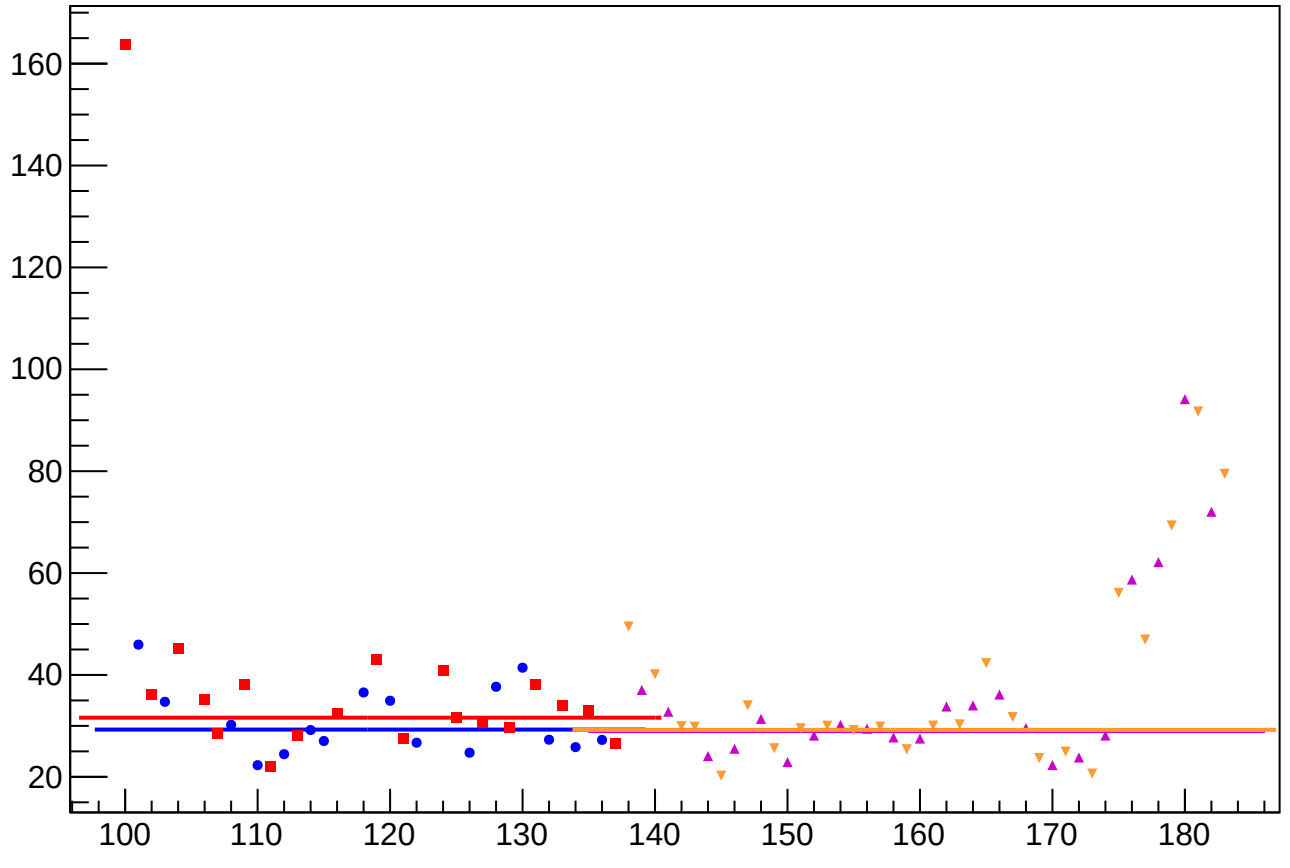
Left: 0.008+/-0.005 χ^2/NDF: 48.0/45

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:42.5/42

All: 0.001+/-0.004 χ^2/NDF: 90.2/80



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 29.226+/-0.005 χ^2/NDF:3678704.7/23

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.991+/-0.005 χ^2/NDF:2707865.0/21

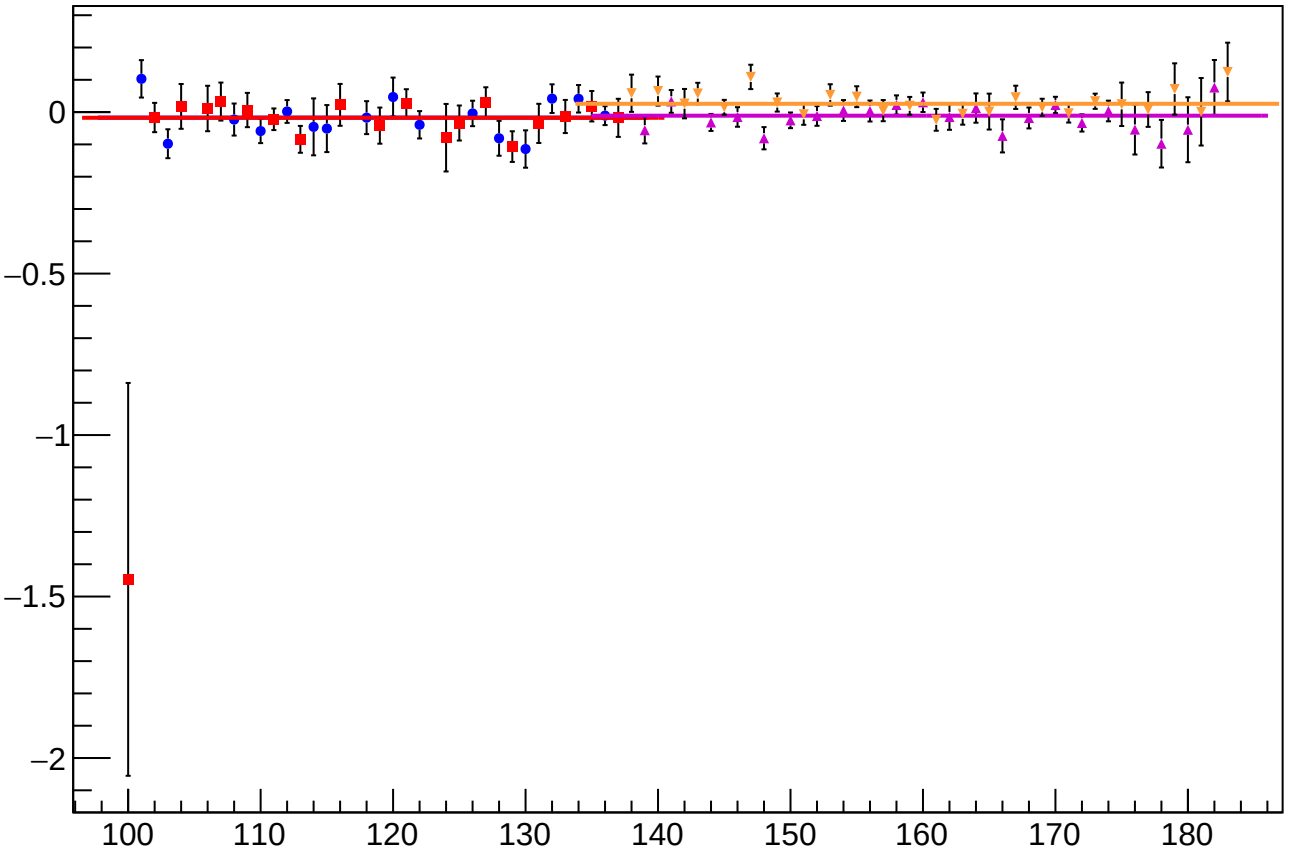
Left: 29.111+/-0.004 χ^2/NDF: 6387621.7/45

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 29.075+/-0.004 χ^2/NDF:3269426.0/37

Out: 29.849+/-0.004 χ^2/NDF:4308442.9/42

All: 29.460+/-0.003 χ^2/NDF: 7593612.4/80



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.026+/-0.007 χ^2/NDF:16.2/23

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: 0.008+/-0.005 χ^2/NDF: 48.0/45

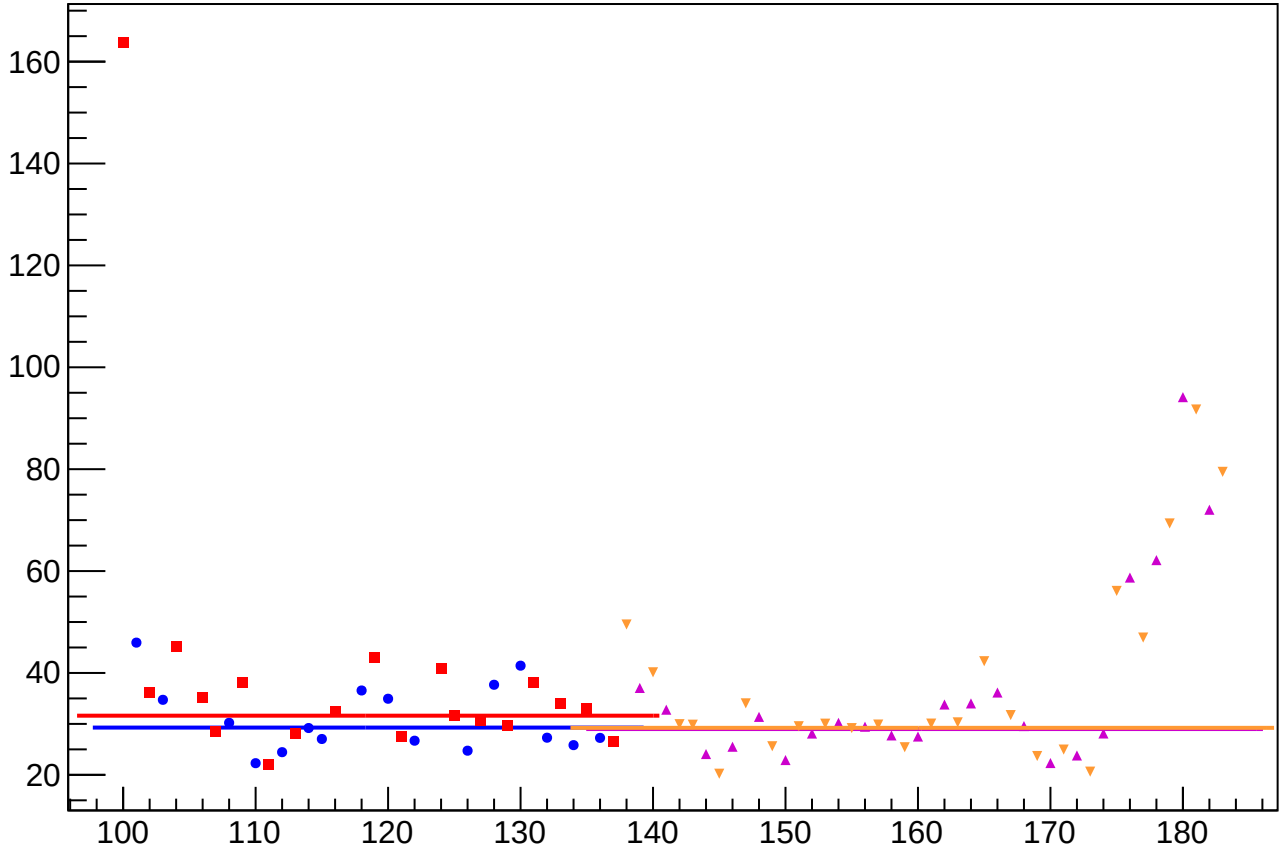
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:37.9/37

Out: 0.014+/-0.006 χ^2/NDF:42.5/42

All: 0.001+/-0.004 χ^2/NDF: 90.2/80

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: 29.226+/-0.005 χ^2/NDF:3678704.7/23

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.991+/-0.005 χ^2/NDF:2707865.0/21

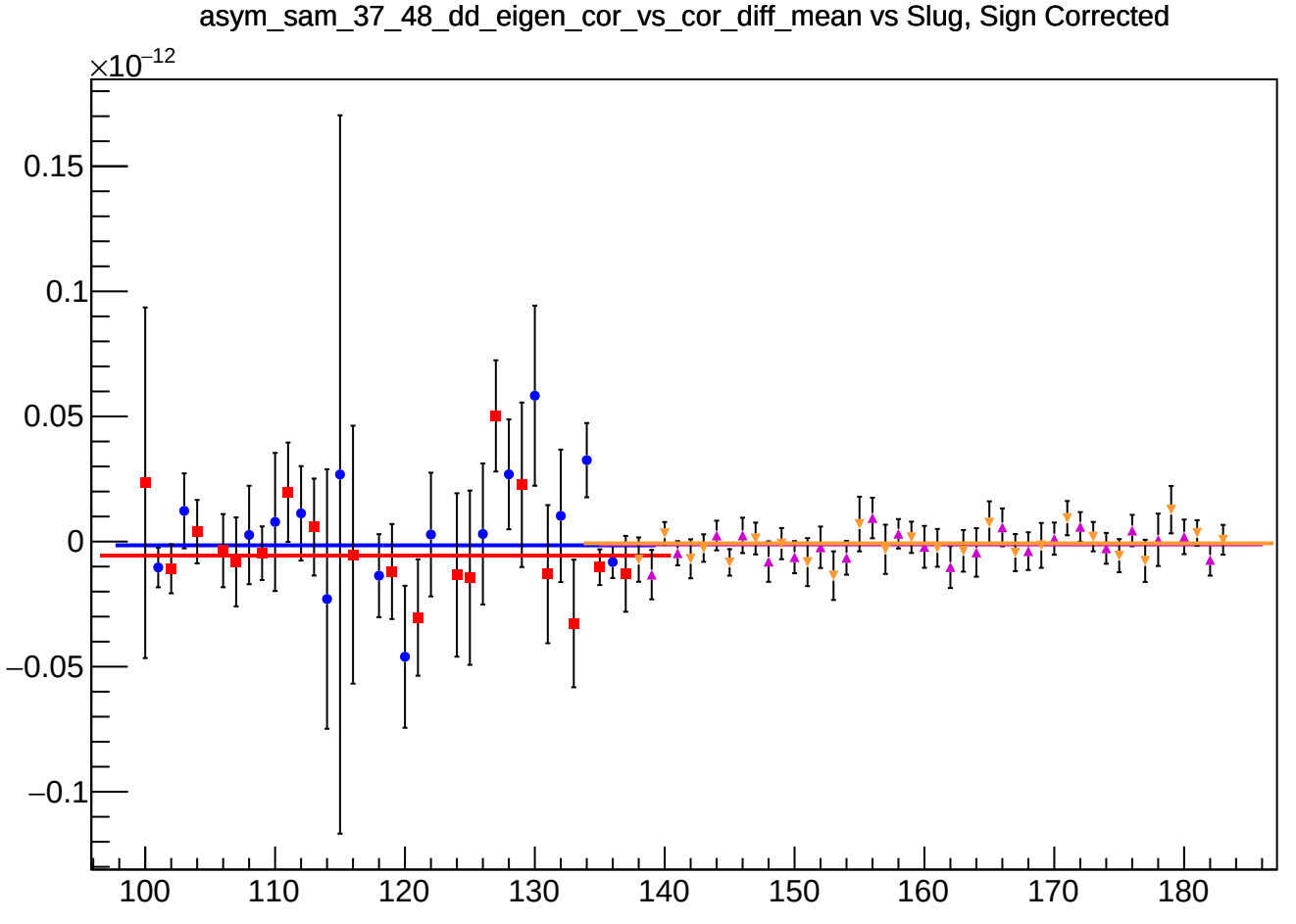
Left: 29.111+/-0.004 χ^2/NDF: 6387621.7/45

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 29.075+/-0.004 χ^2/NDF:3269426.0/37

Out: 29.849+/-0.004 χ^2/NDF:4308442.9/42

All: 29.460+/-0.003 χ^2/NDF: 7593612.4/80



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/23

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: 27.8/45

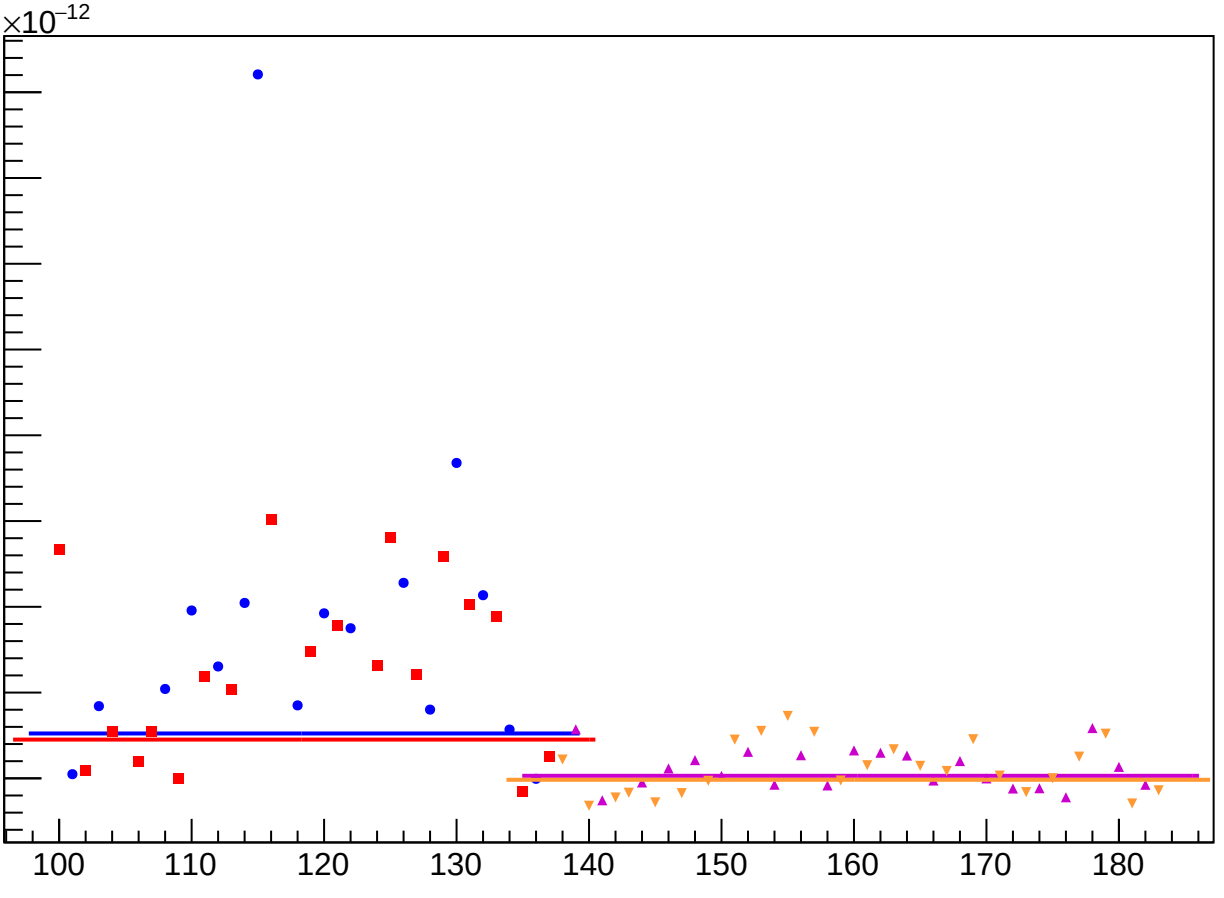
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:29.6/37

Out: -0.000+/-0.000 χ^2/NDF:29.9/42

All: -0.000+/-0.000 χ^2/NDF: 59.6/80

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:1871050.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:976774.3/21

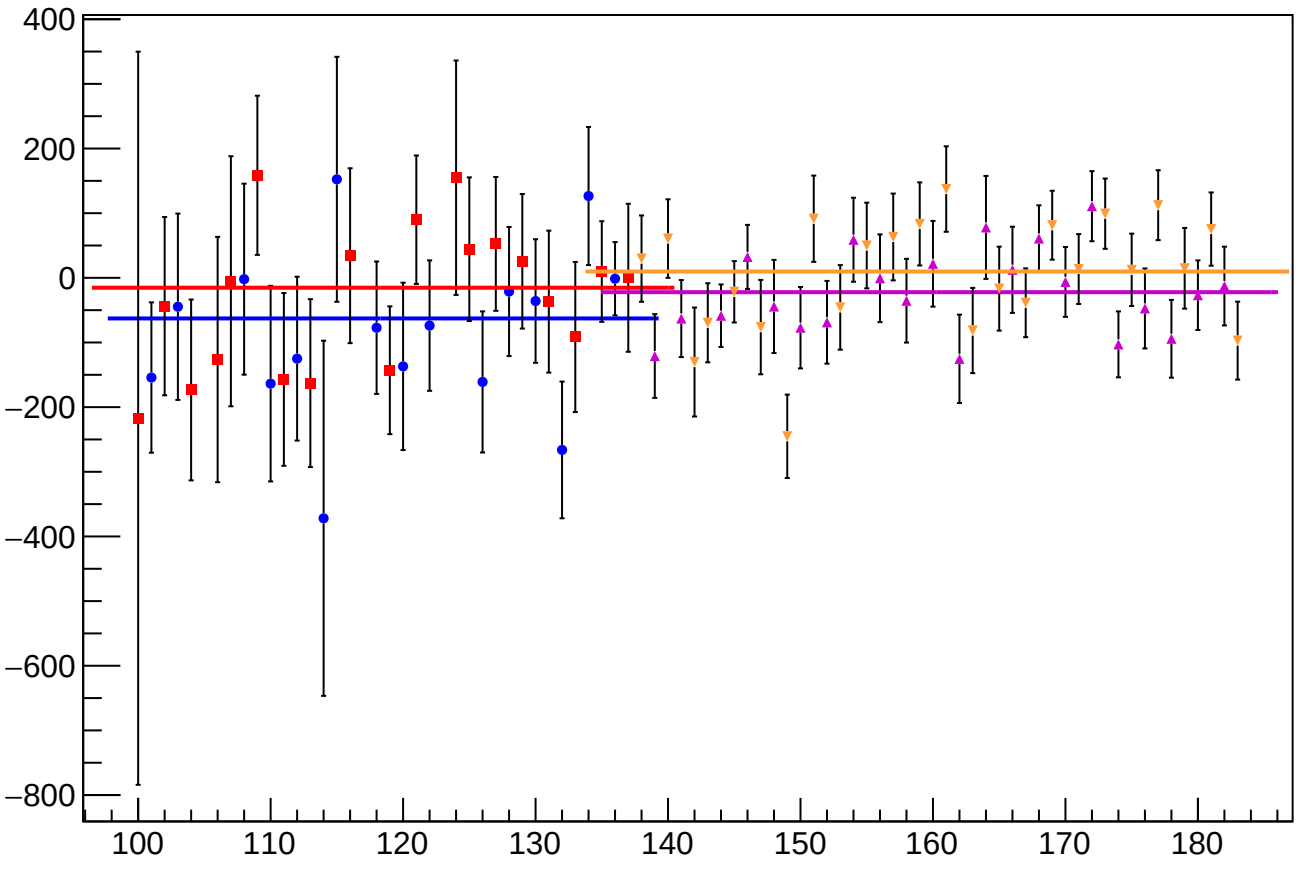
Left: 0.000+/-0.000 χ^2/NDF: 2873632.7/45

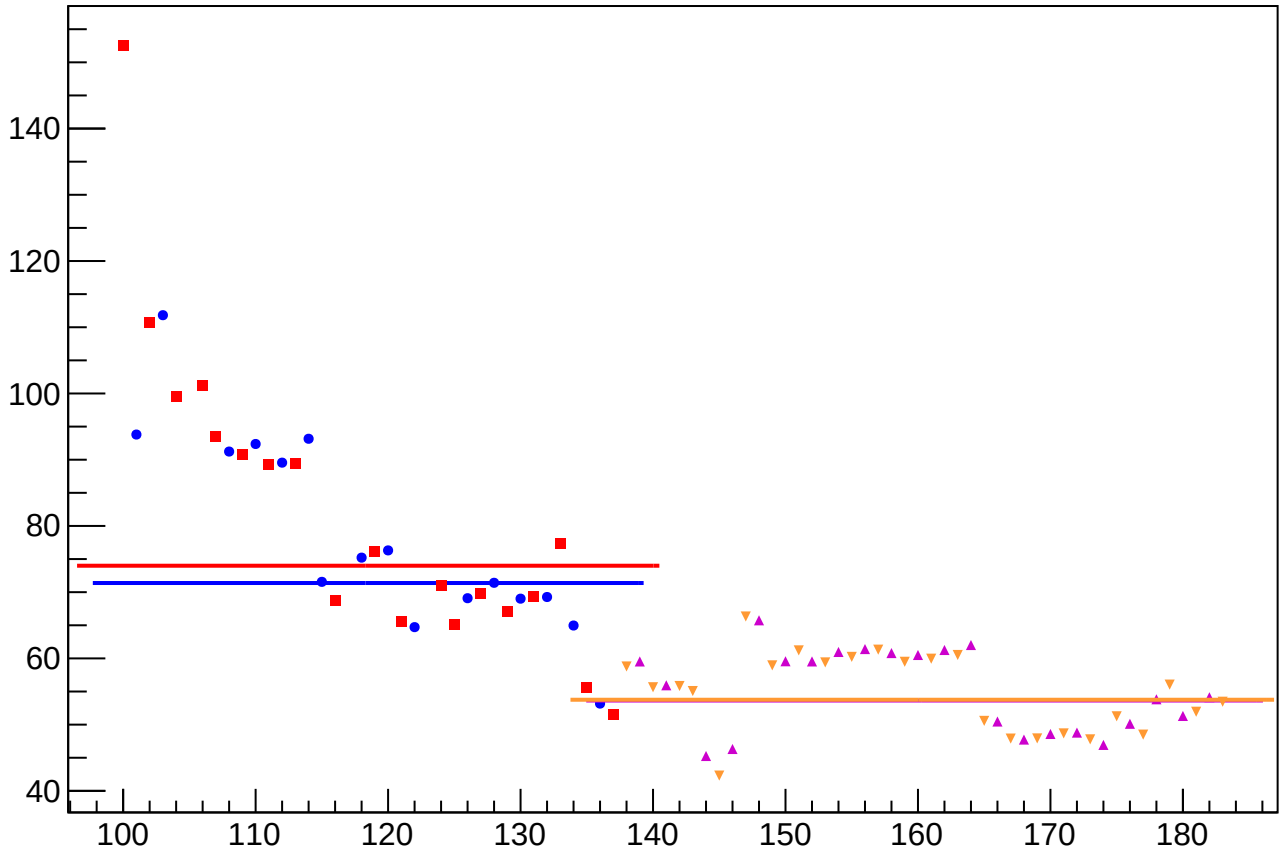
Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3723257.6/37

Out: 0.000+/-0.000 χ^2/NDF:4587636.2/42

All: 0.000+/-0.000 χ^2/NDF: 8345541.0/80


reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
Right In: -62.798+/-27.213 χ²/NDF: 13.5/15
Left Out: 9.790+/-12.392 χ²/NDF:46.4/23
Right Out: -15.288+/-27.770 χ²/NDF: 11.5/18
Left In: -22.183+/-12.741 χ²/NDF:25.1/21
Left: -5.753+/-8.883 χ²/NDF: 74.8/45
Right: -39.524+/-19.436 χ²/NDF: 26.4/34
In: -29.485+/-11.539 χ²/NDF:40.4/37
Out: 5.626+/-11.316 χ²/NDF:58.6/42
All: -11.588+/-8.079 χ²/NDF: 103.7/80



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 53.758+/-0.009 χ^2/NDF:465591.9/23

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: 53.699+/-0.006 χ^2/NDF: 934203.2/45

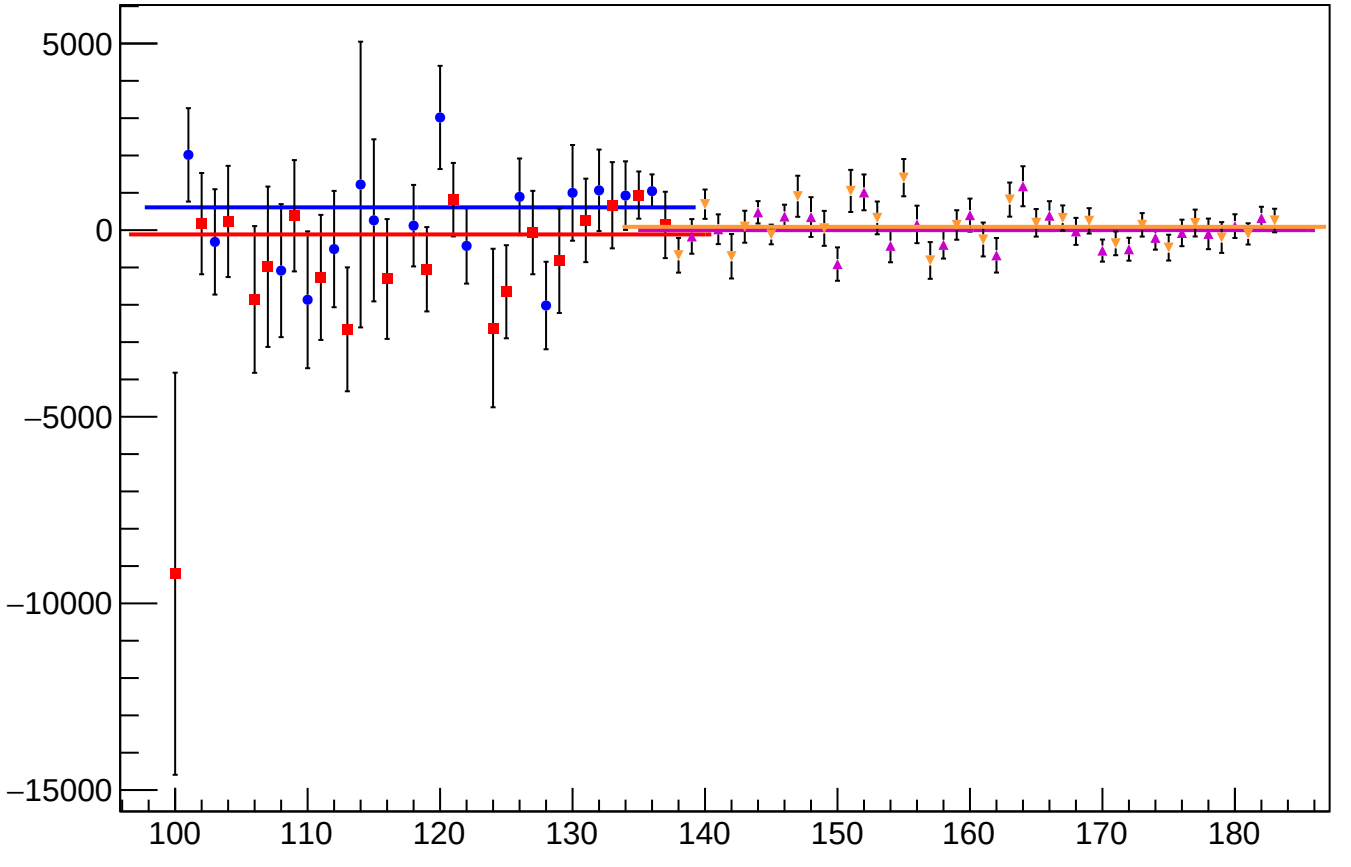
Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 56.828+/-0.008 χ^2/NDF:1757012.5/37

Out: 57.118+/-0.008 χ^2/NDF:1989666.9/42

All: 56.976+/-0.006 χ^2/NDF: 3747325.1/80

asym_sam_15_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 88.738+/-78.279 χ^2/NDF:32.9/23

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 0.545+/-80.097 χ^2/NDF:32.0/21

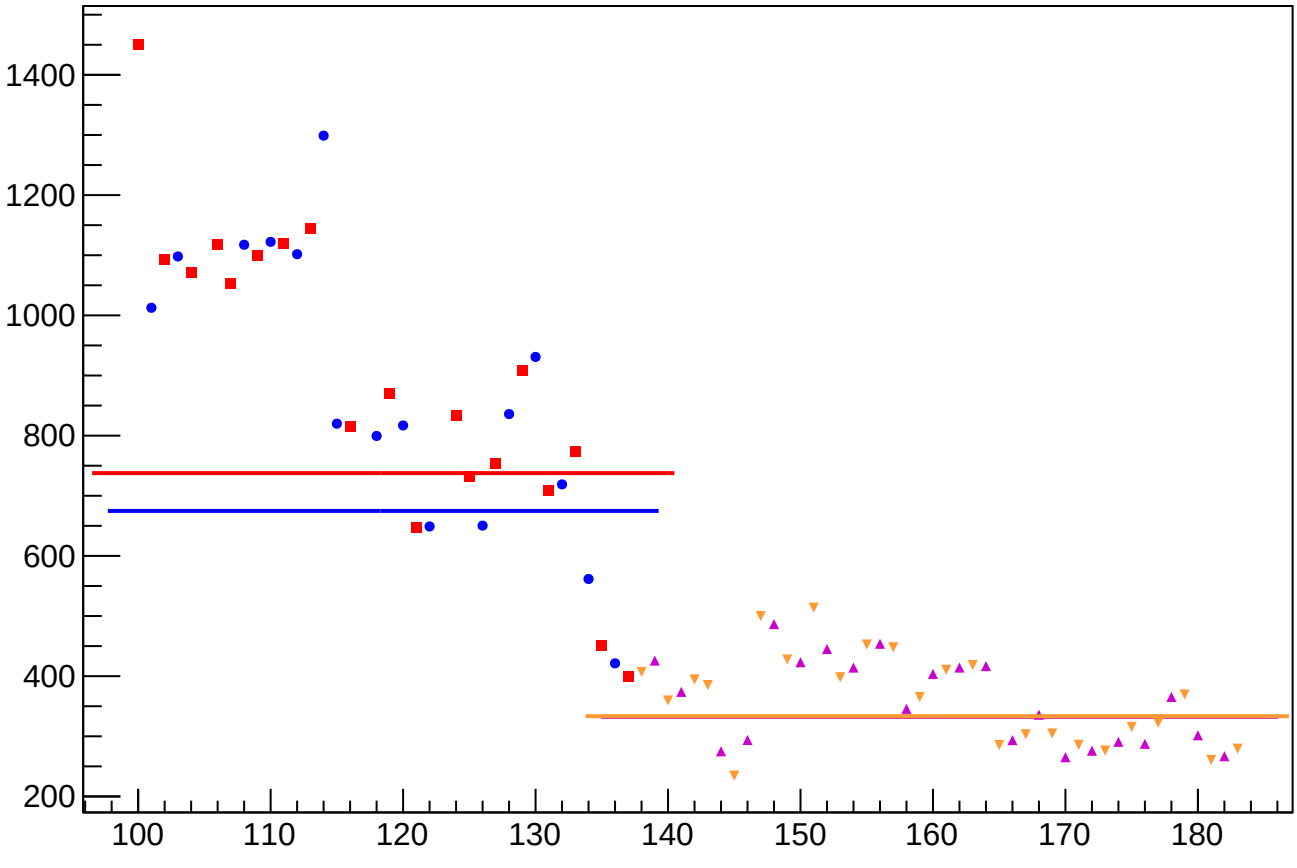
Left: 45.654+/-55.983 χ^2/NDF: 65.5/45

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 50.979+/-76.715 χ^2/NDF:52.5/37

Out: 74.408+/-75.470 χ^2/NDF:49.0/42

All: 62.885+/-53.800 χ^2/NDF: 101.5/80



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 333.394+/-0.055 χ^2/NDF:1652051.5/23

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 332.376+/-0.057 χ^2/NDF:1303164.1/21

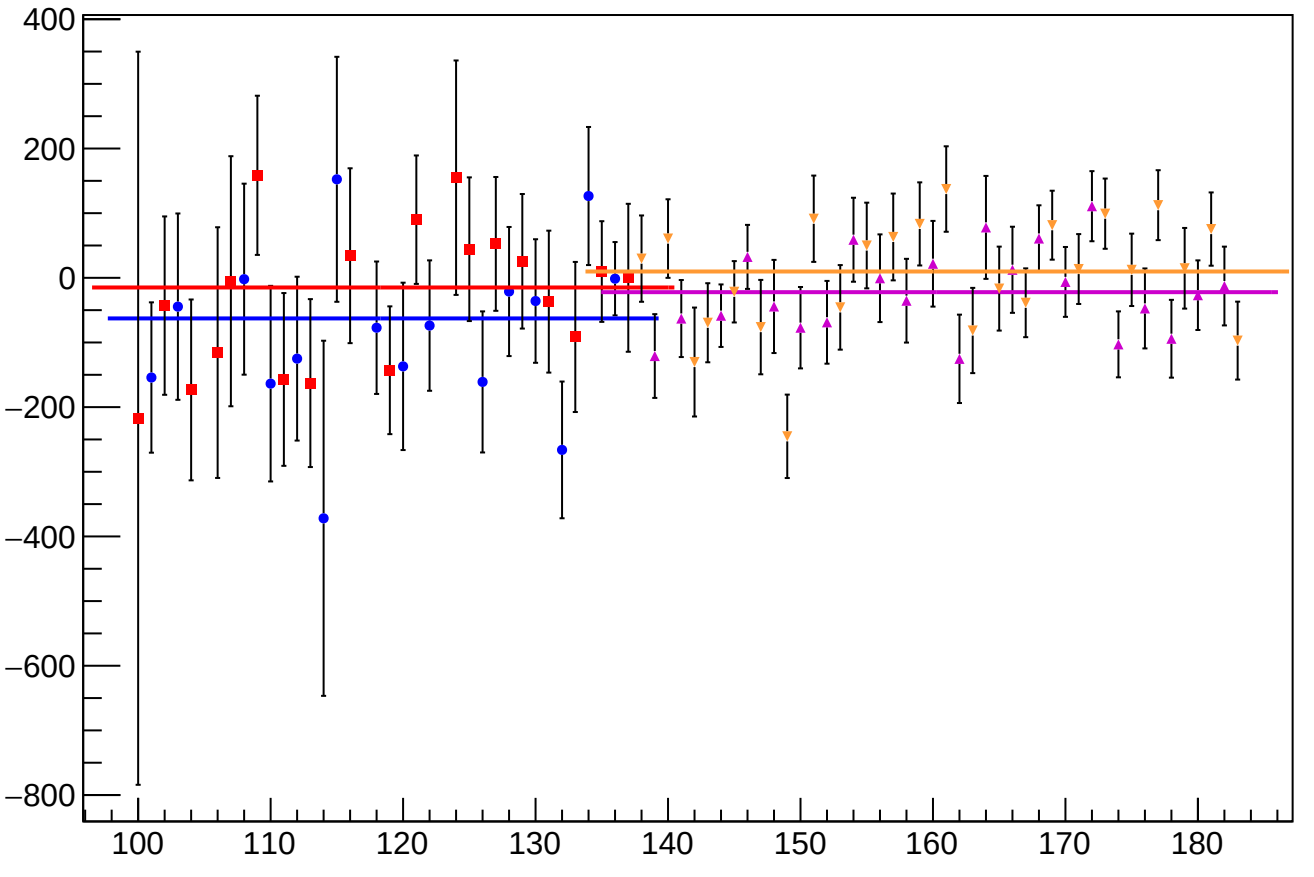
Left: 332.897+/-0.040 χ^2/NDF: 2955380.8/45

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 360.689+/-0.054 χ^2/NDF:5943349.6/37

Out: 361.881+/-0.053 χ^2/NDF:6927795.0/42

All: 361.295+/-0.038 χ^2/NDF: 12871389.9/80



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 9.792+/-12.392 χ^2/NDF:46.4/23

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -22.182+/-12.741 χ^2/NDF:25.1/21

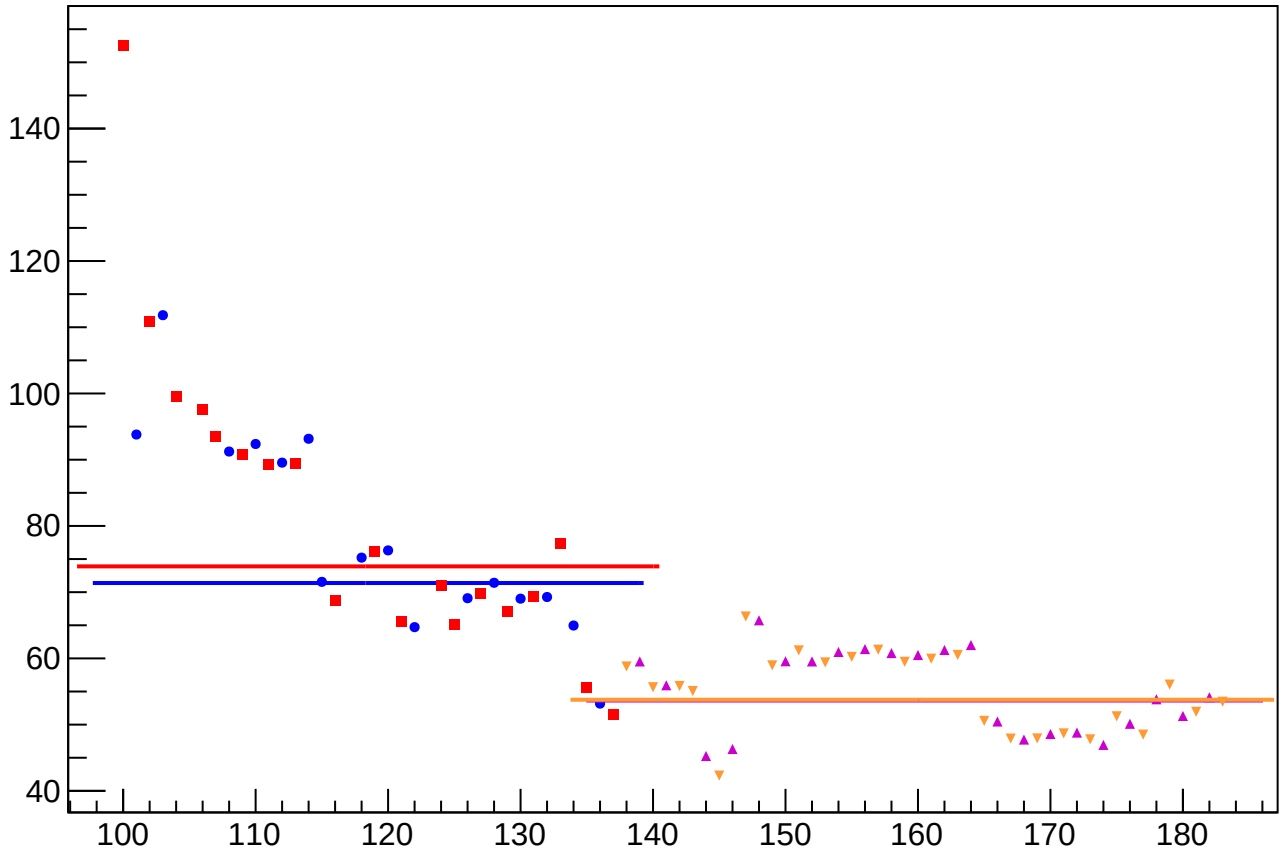
Left: -5.751+/-8.883 χ^2/NDF: 74.8/45

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -29.483+/-11.539 χ^2/NDF:40.4/37

Out: 5.690+/-11.317 χ^2/NDF:58.5/42

All: -11.556+/-8.080 χ^2/NDF: 103.6/80



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.758+/-0.009 χ^2/NDF:465591.9/23

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.637+/-0.009 χ^2/NDF:468519.1/21

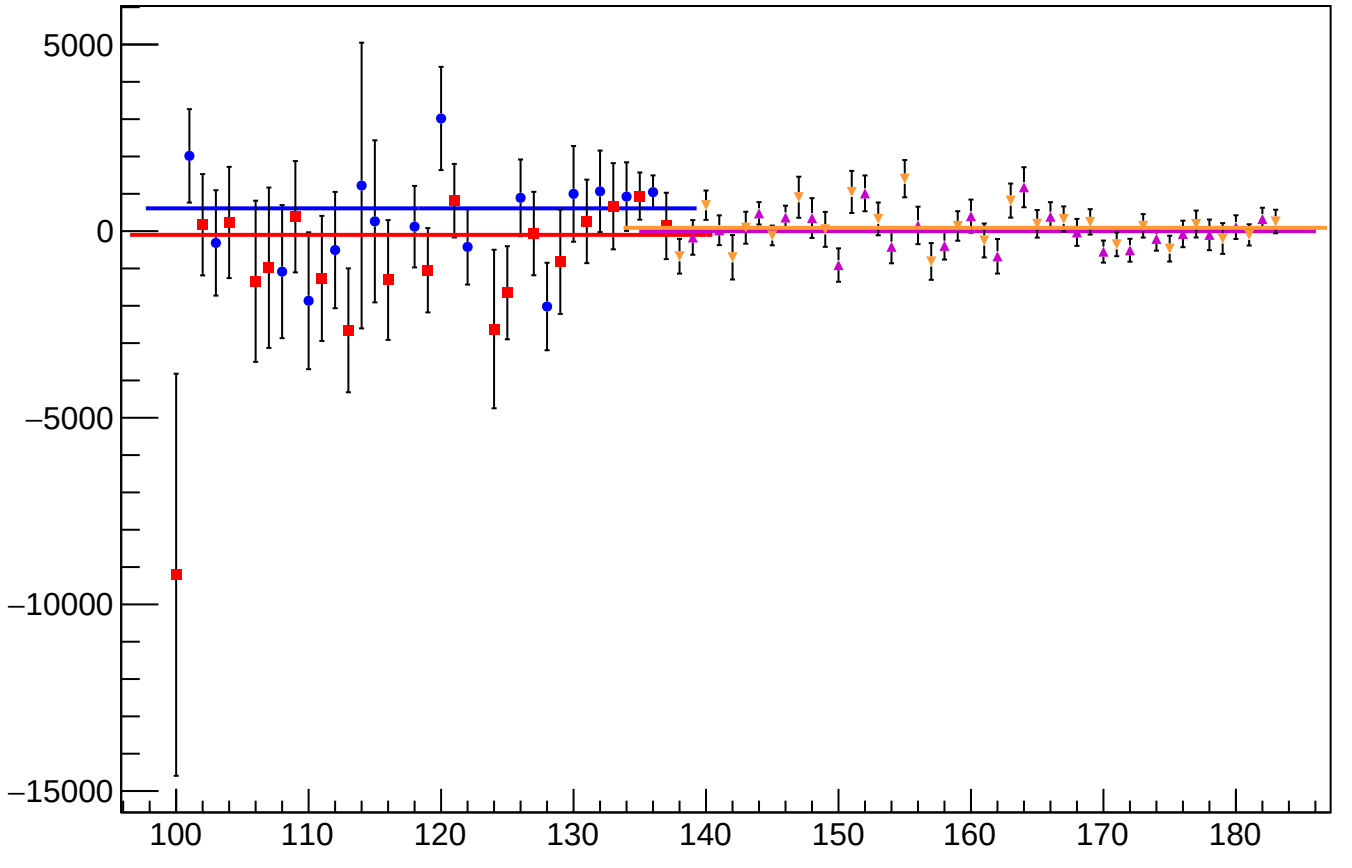
Left: 53.699+/-0.006 χ^2/NDF: 934203.2/45

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 56.828+/-0.008 χ^2/NDF:1757015.1/37

Out: 57.099+/-0.008 χ^2/NDF:1968829.1/42

All: 56.966+/-0.006 χ^2/NDF: 3726407.3/80



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 88.740+/-78.279 χ^2/NDF:32.9/23

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: 45.654+/-55.983 χ^2/NDF: 65.5/45

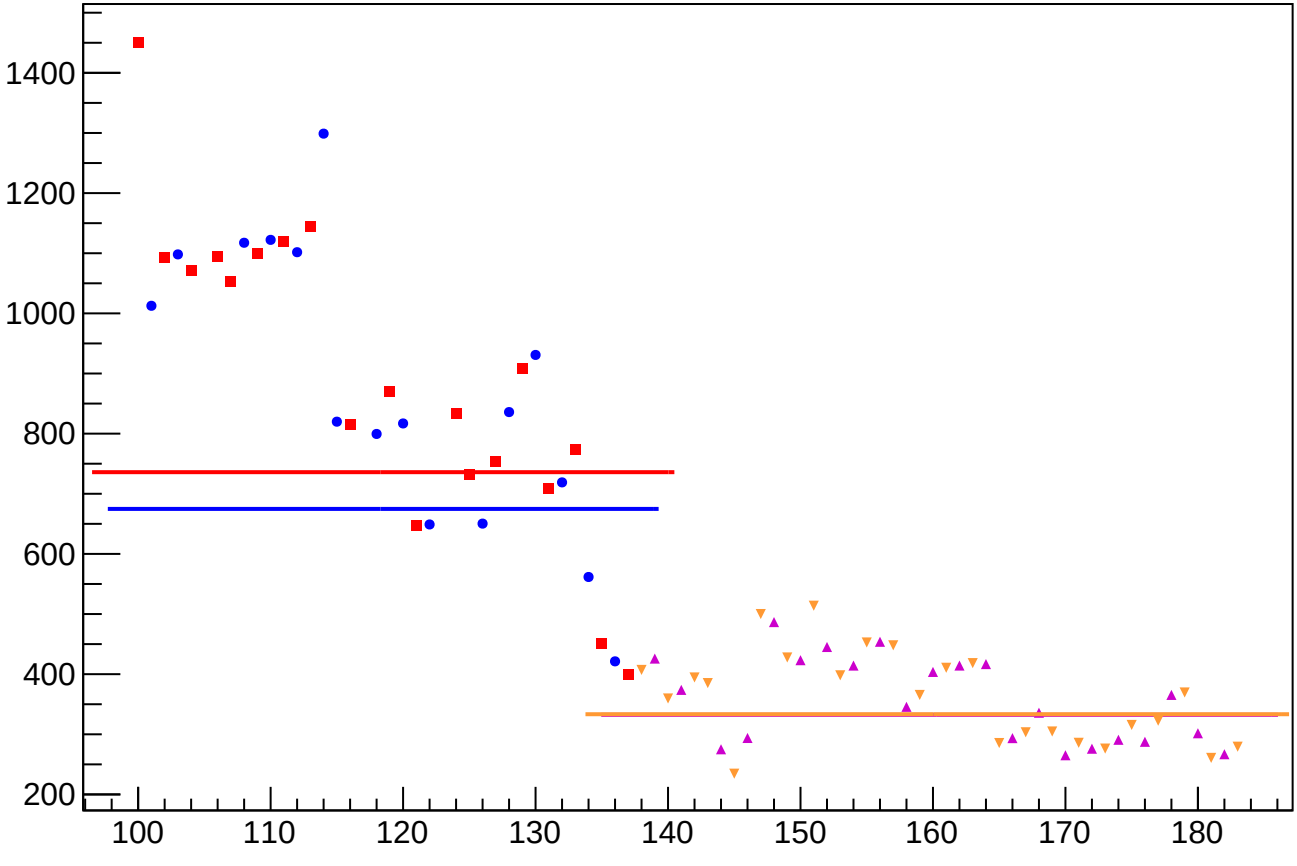
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 50.976+/-76.715 χ^2/NDF:52.5/37

Out: 75.517+/-75.480 χ^2/NDF:48.4/42

All: 63.445+/-53.804 χ^2/NDF: 100.9/80

asym_sam_15_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 333.394+/-0.055 χ^2/NDF:1652054.4/23

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 332.376+/-0.057 χ^2/NDF:1303172.0/21

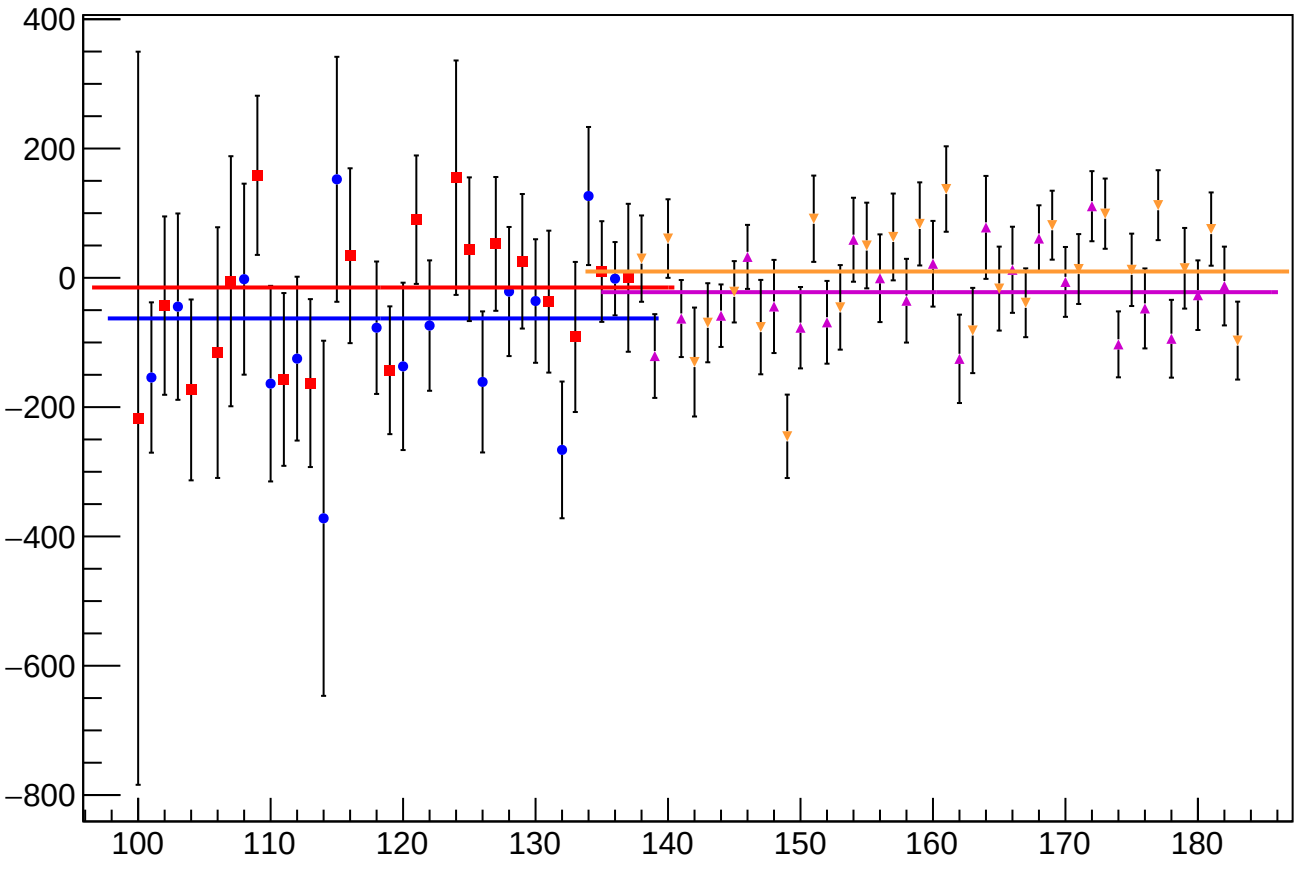
Left: 332.897+/-0.040 χ^2/NDF: 2955391.5/45

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 360.689+/-0.054 χ^2/NDF:5943381.0/37

Out: 361.661+/-0.053 χ^2/NDF:6862847.0/42

All: 361.183+/-0.038 χ^2/NDF: 12806391.2/80



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 9.792+/-12.392 χ^2/NDF:46.4/23

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -22.182+/-12.741 χ^2/NDF:25.1/21

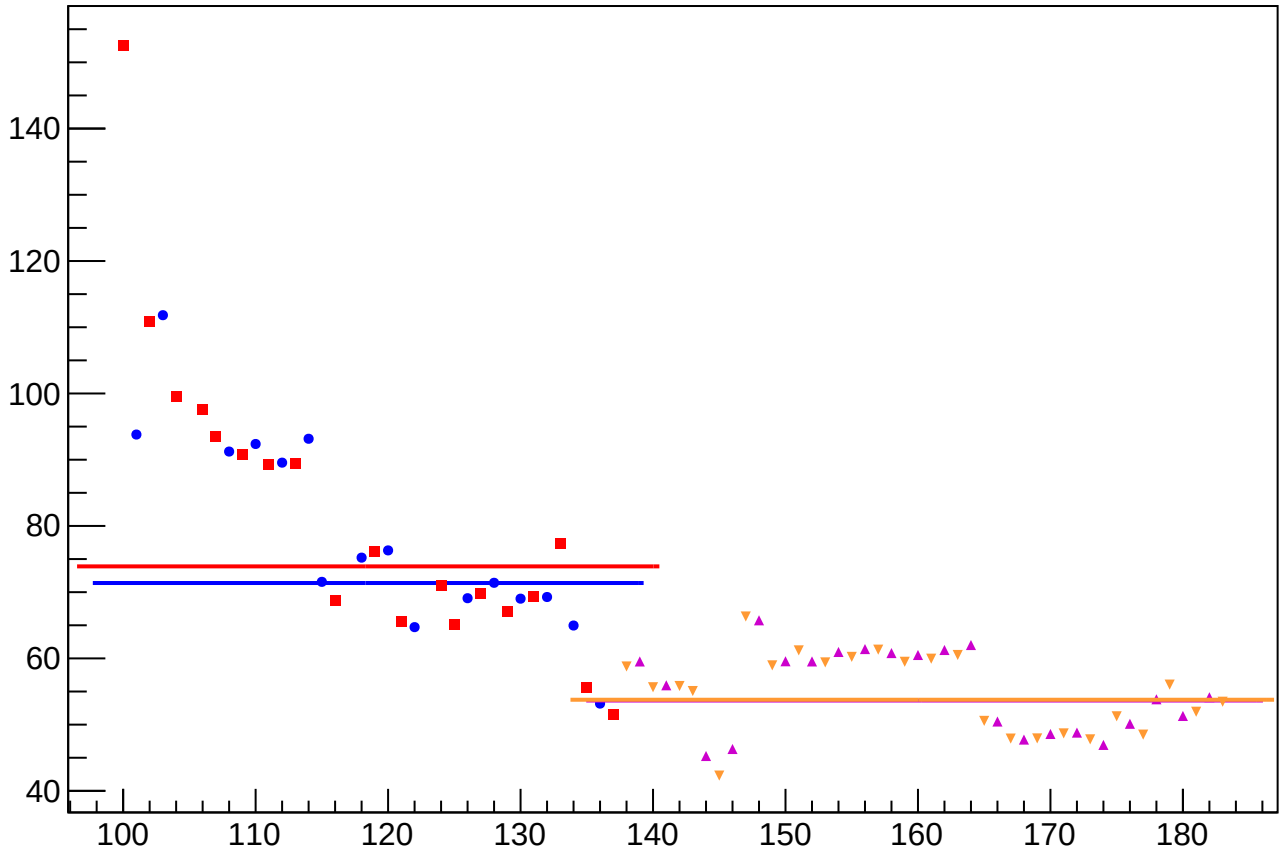
Left: -5.751+/-8.883 χ^2/NDF: 74.8/45

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -29.483+/-11.539 χ^2/NDF:40.4/37

Out: 5.690+/-11.317 χ^2/NDF:58.5/42

All: -11.556+/-8.080 χ^2/NDF: 103.6/80



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.758+/-0.009 χ^2/NDF:465591.9/23

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: 53.699+/-0.006 χ^2/NDF: 934203.2/45

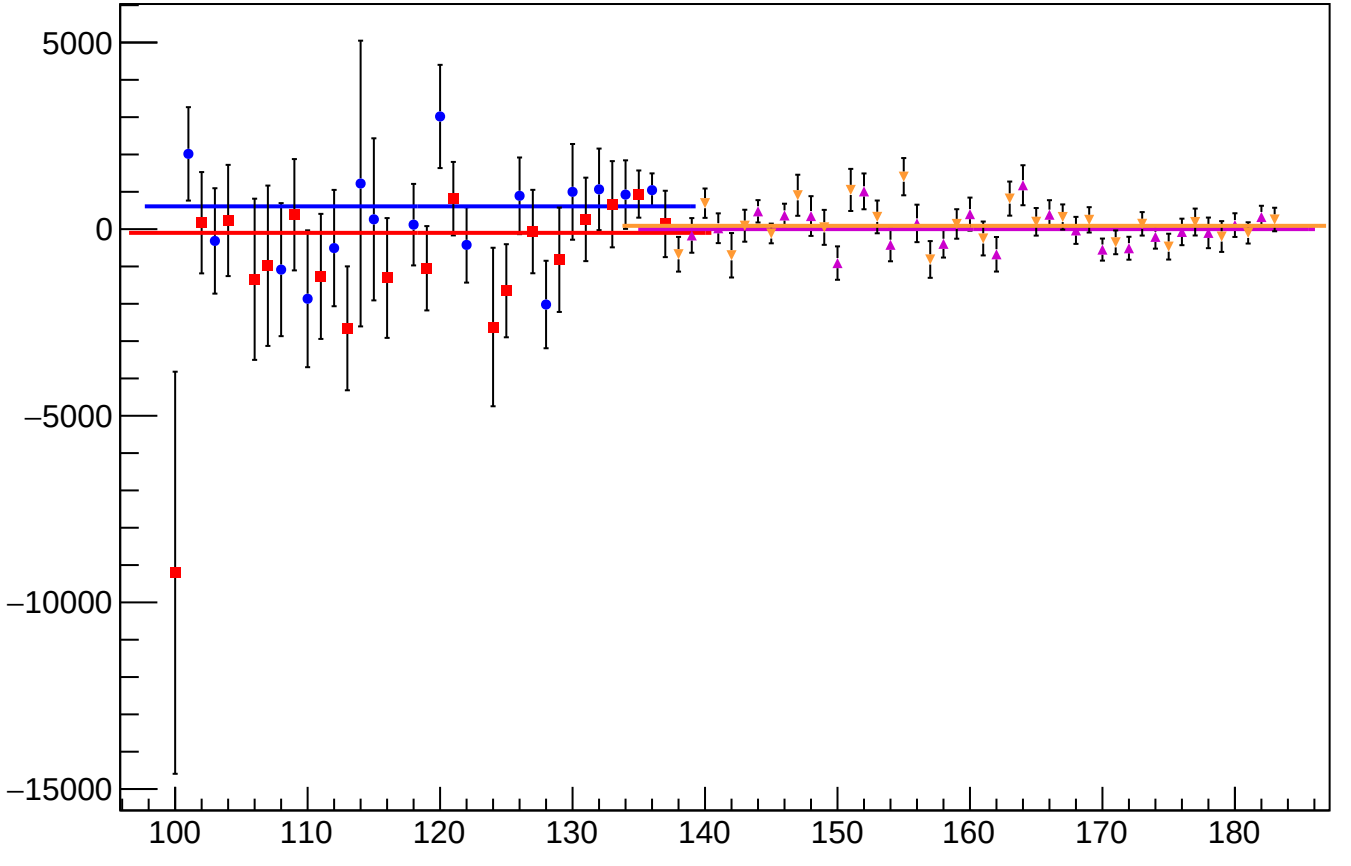
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 56.828+/-0.008 χ^2/NDF:1757015.1/37

Out: 57.099+/-0.008 χ^2/NDF:1968829.1/42

All: 56.966+/-0.006 χ^2/NDF: 3726407.3/80

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 88.740+/-78.279 χ^2/NDF:32.9/23

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 0.543+/-80.097 χ^2/NDF:32.0/21

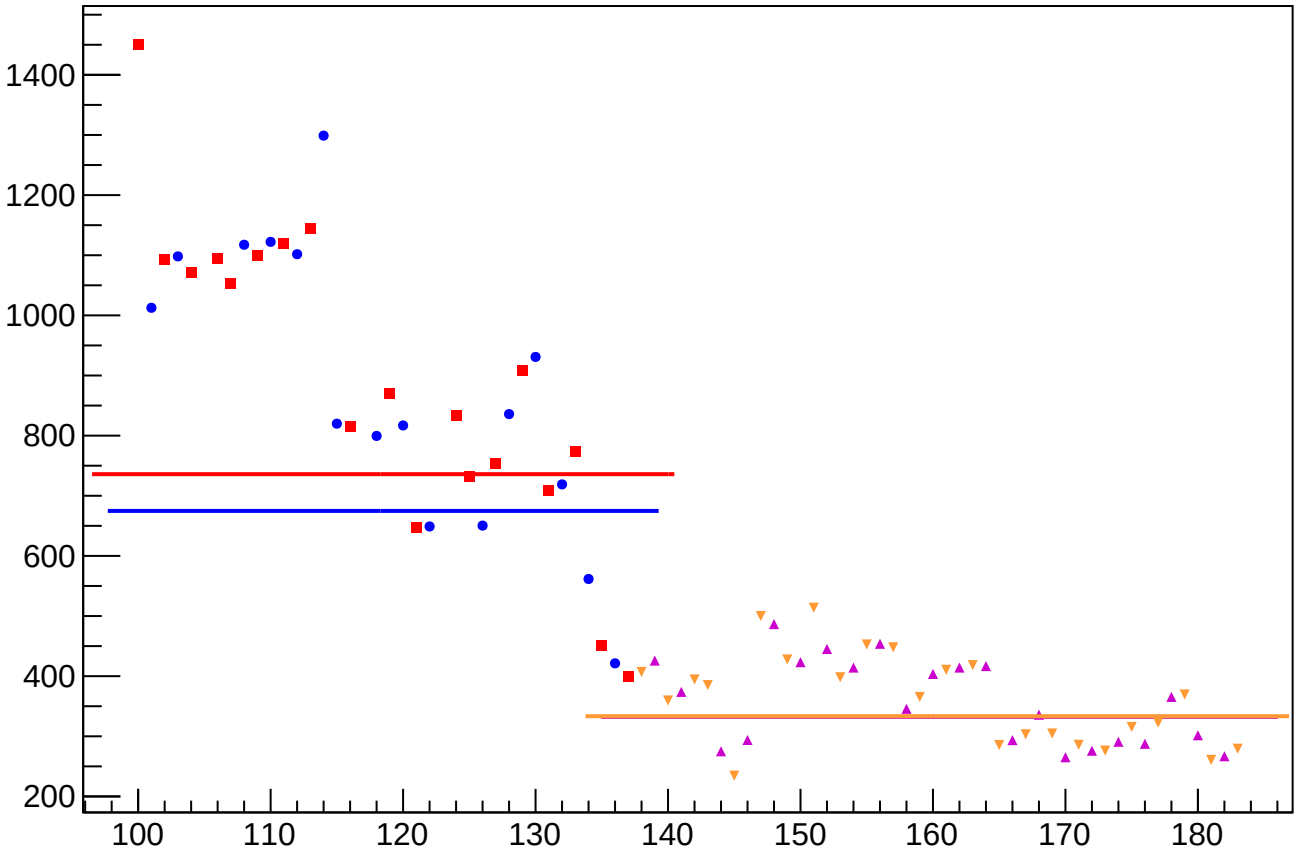
Left: 45.654+/-55.983 χ^2/NDF: 65.5/45

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 50.976+/-76.715 χ^2/NDF:52.5/37

Out: 75.517+/-75.480 χ^2/NDF:48.4/42

All: 63.445+/-53.804 χ^2/NDF: 100.9/80



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 333.394+/-0.055 χ^2/NDF:1652054.4/23

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 332.376+/-0.057 χ^2/NDF:1303172.0/21

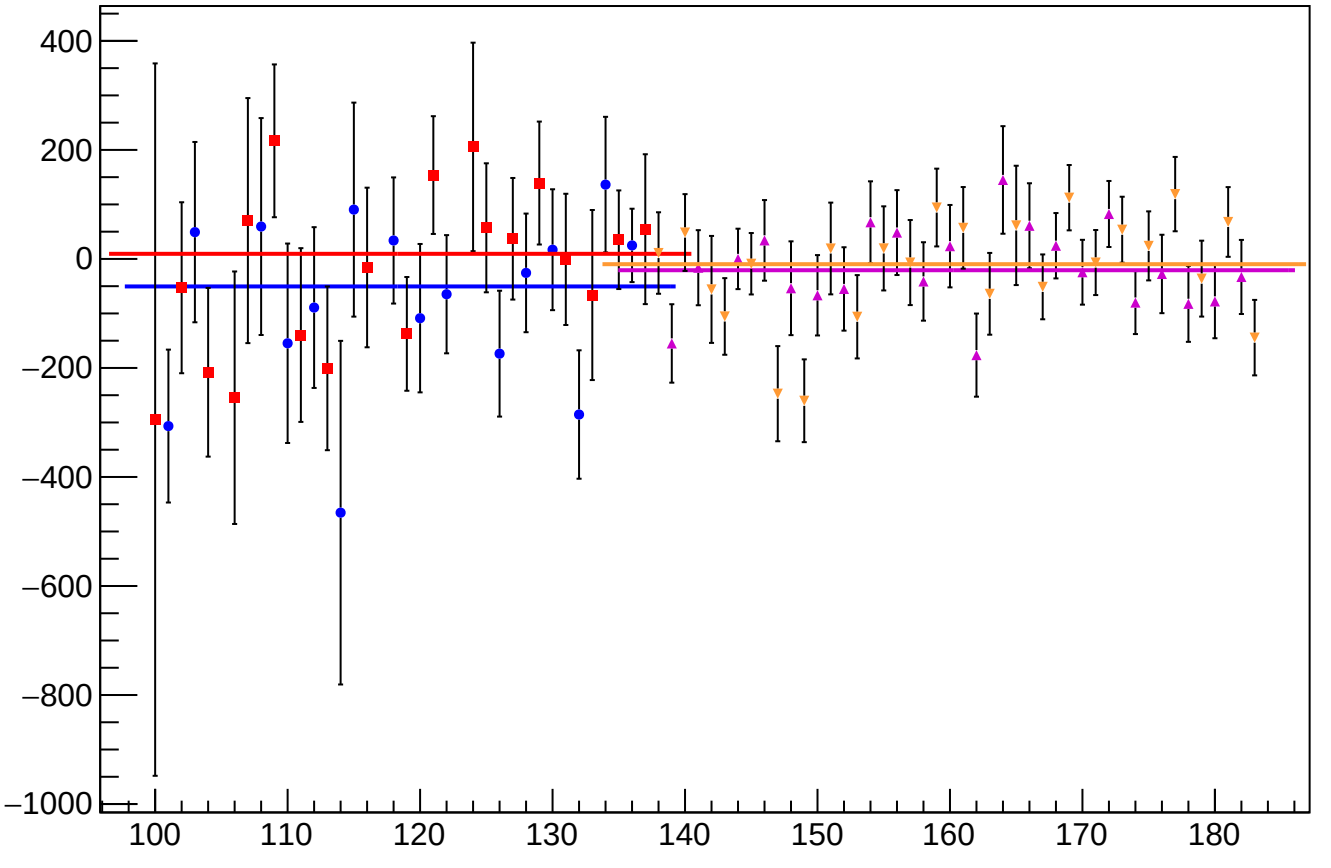
Left: 332.897+/-0.040 χ^2/NDF: 2955391.5/45

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 360.689+/-0.054 χ^2/NDF:5943381.0/37

Out: 361.661+/-0.053 χ^2/NDF:6862847.0/42

All: 361.183+/-0.038 χ^2/NDF: 12806391.2/80



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -9.643+/-14.395 χ^2/NDF:41.8/23

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: -15.002+/-10.345 χ^2/NDF: 63.7/45

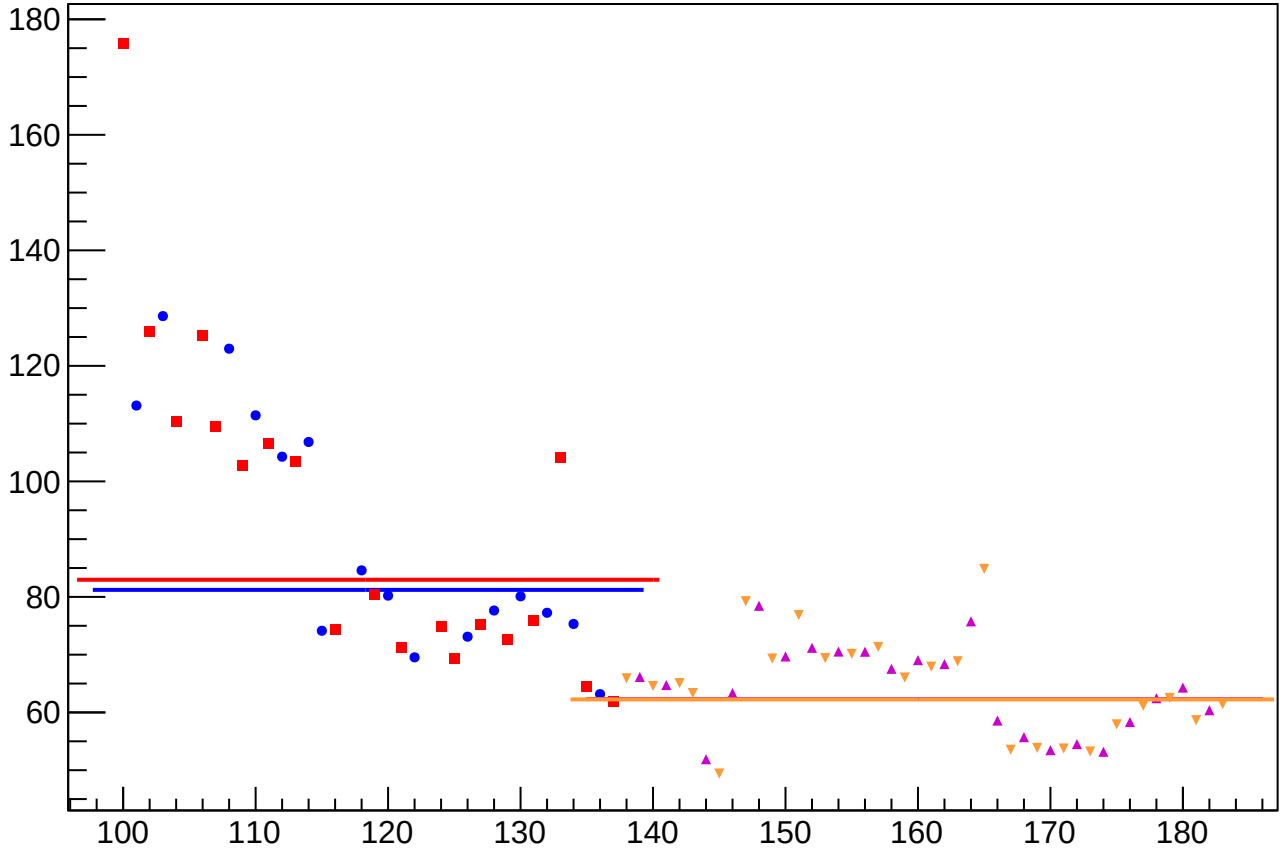
Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -26.274+/-13.417 χ^2/NDF:38.8/37

Out: -6.310+/-13.073 χ^2/NDF:57.7/42

All: -16.034+/-9.363 χ^2/NDF: 97.6/80

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.256+/-0.010 χ^2/NDF:633297.1/23

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 62.317+/-0.011 χ^2/NDF:484528.7/21

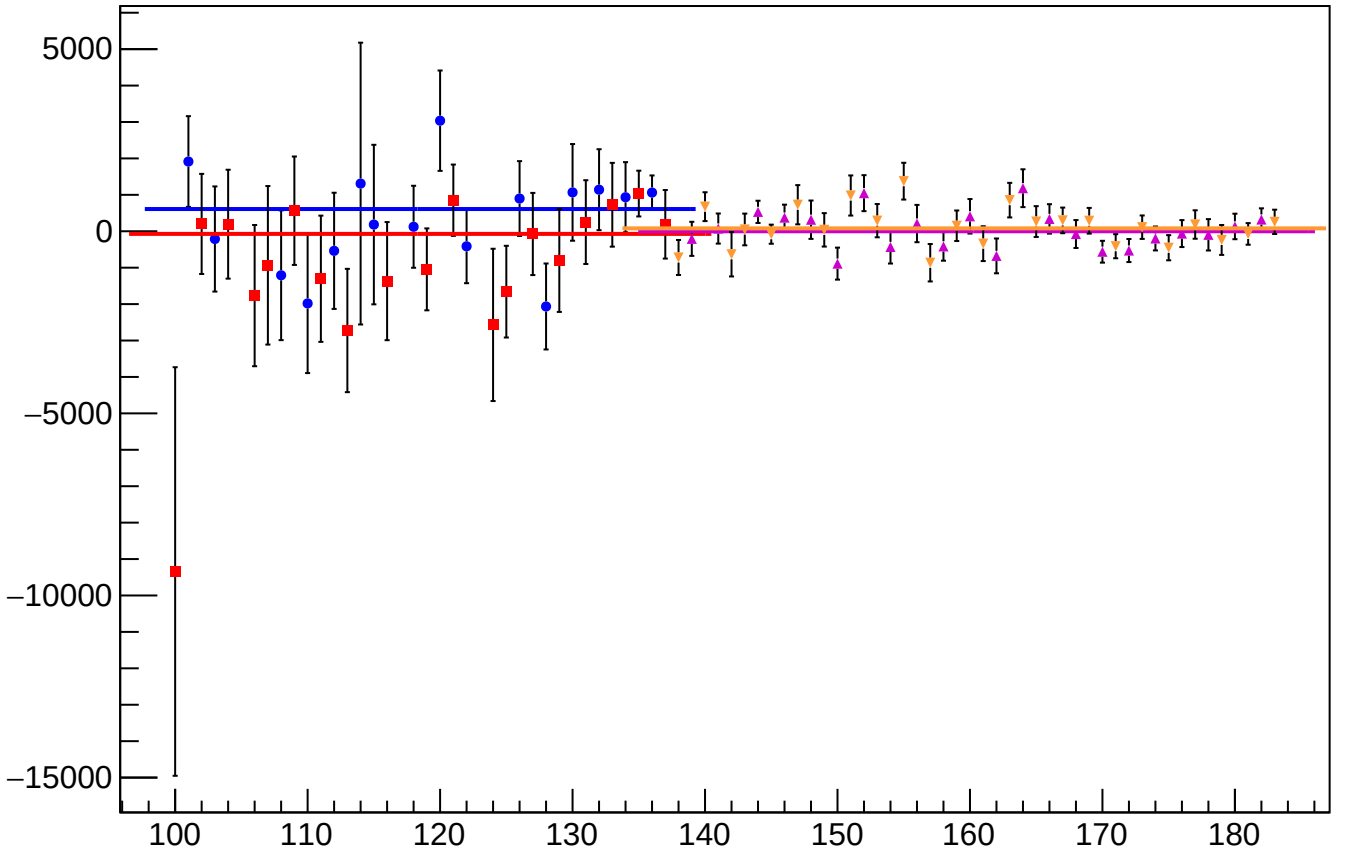
Left: 62.285+/-0.007 χ^2/NDF: 1117842.8/45

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 65.843+/-0.009 χ^2/NDF:1749826.2/37

Out: 65.885+/-0.009 χ^2/NDF:2089224.0/42

All: 65.865+/-0.007 χ^2/NDF: 3839060.4/80



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 79.672+/-80.735 χ^2/NDF:31.3/23

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -0.198+/-83.232 χ^2/NDF:32.2/21

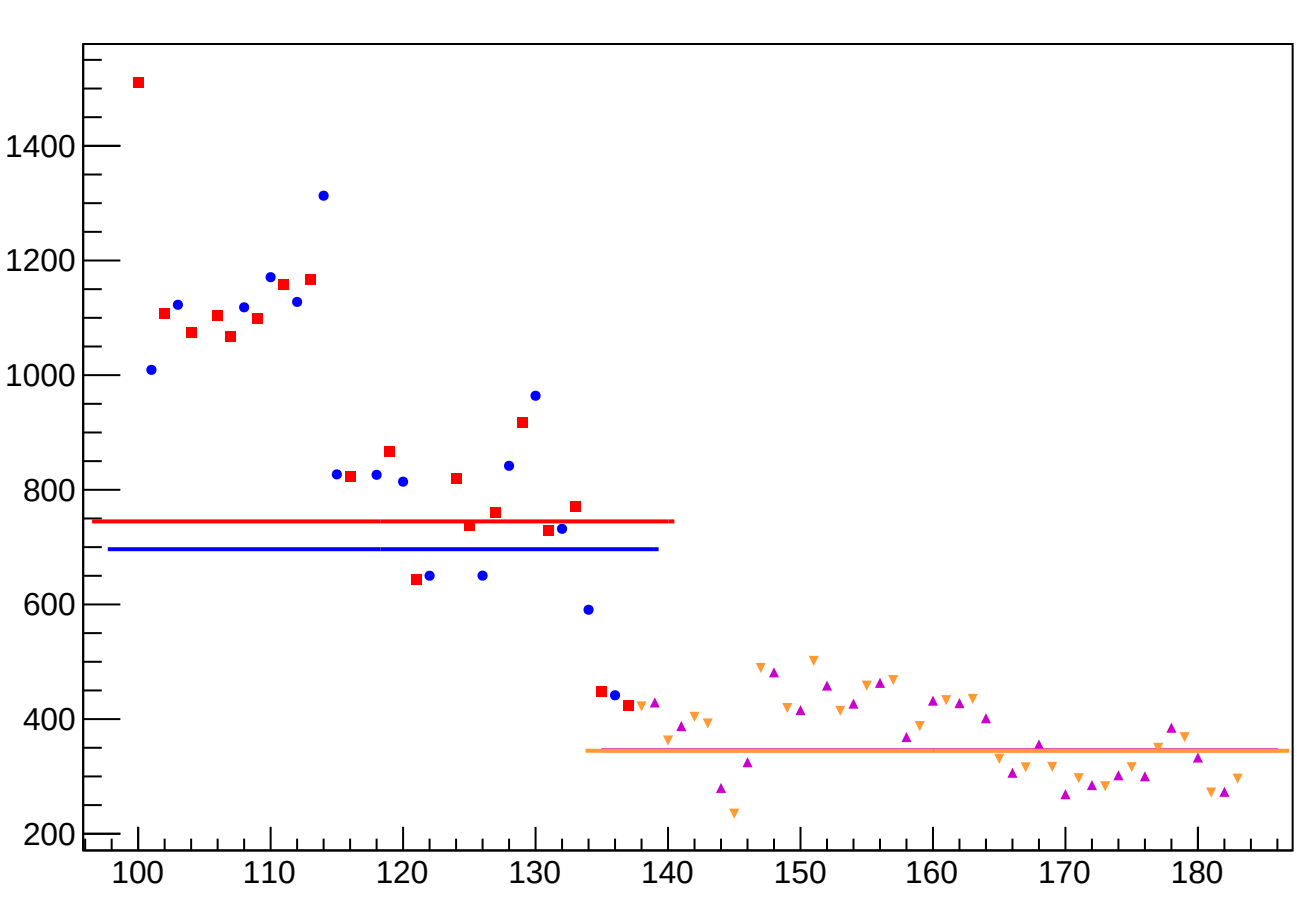
Left: 40.953+/-57.951 χ^2/NDF: 63.9/45

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 51.389+/-79.638 χ^2/NDF:52.5/37

Out: 68.515+/-77.715 χ^2/NDF:47.7/42

All: 60.161+/-55.620 χ^2/NDF: 100.3/80



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 344.809+/-0.057 χ^2/NDF:1560600.7/23

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 345.641+/-0.059 χ^2/NDF:1218430.7/21

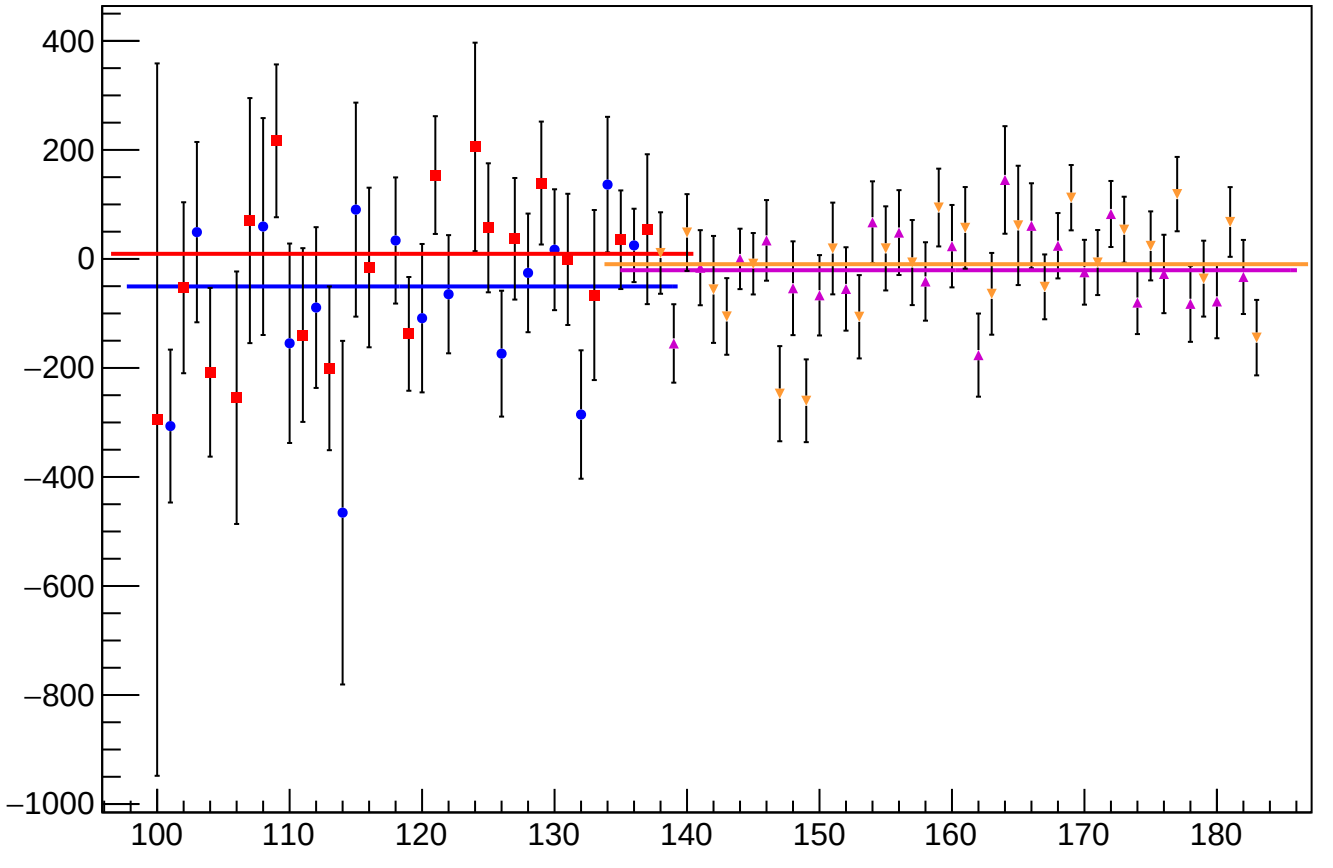
Left: 345.212+/-0.041 χ^2/NDF: 2779134.3/45

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 375.273+/-0.056 χ^2/NDF:5734425.1/37

Out: 374.178+/-0.055 χ^2/NDF:6664171.4/42

All: 374.712+/-0.039 χ^2/NDF: 12398790.3/80



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -9.642+/-14.395 χ^2/NDF:41.8/23

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -20.725+/-14.876 χ^2/NDF:21.6/21

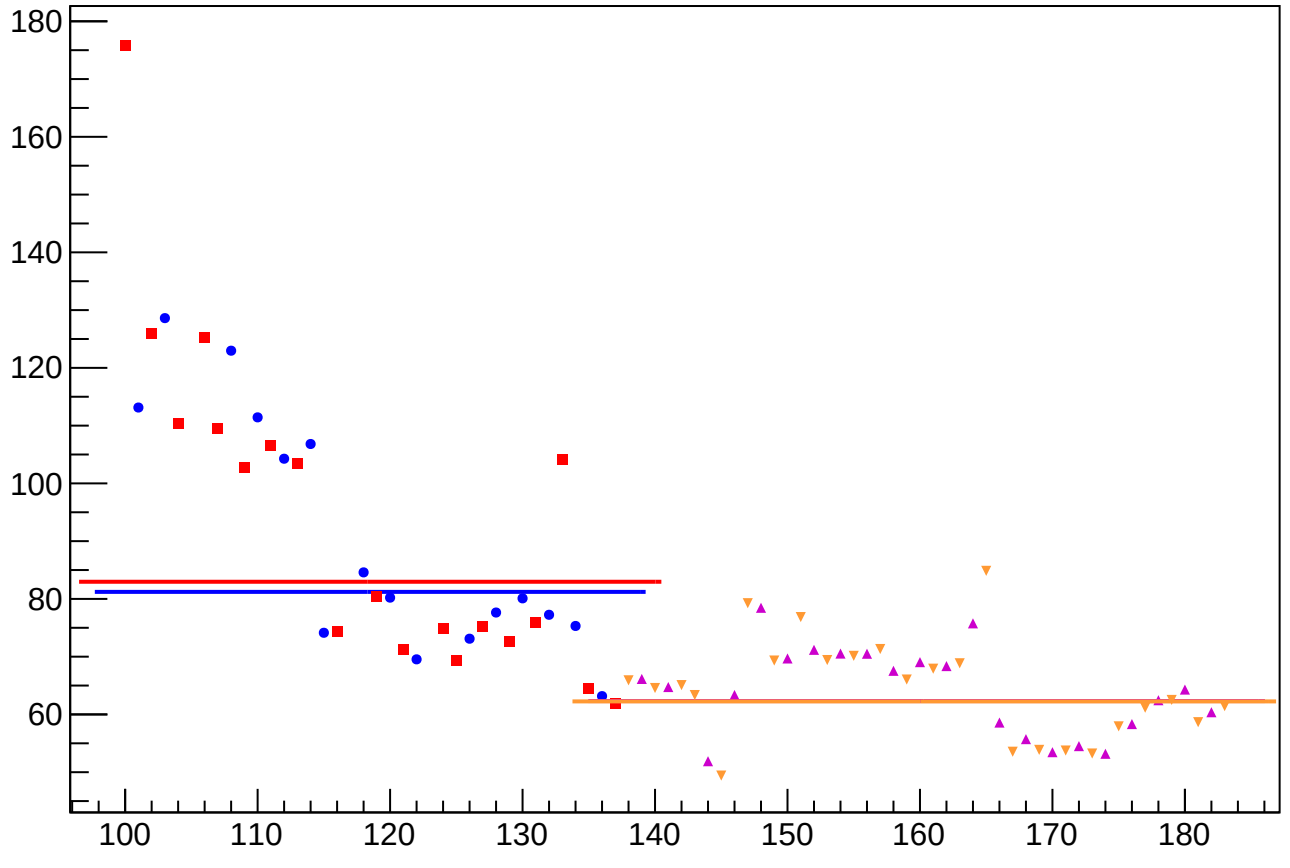
Left: -15.002+/-10.345 χ^2/NDF: 63.7/45

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -26.274+/-13.417 χ^2/NDF:38.8/37

Out: -6.309+/-13.073 χ^2/NDF:57.7/42

All: -16.033+/-9.363 χ^2/NDF: 97.6/80



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.256+/-0.010 χ^2/NDF:633295.8/23

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.317+/-0.011 χ^2/NDF:484523.5/21

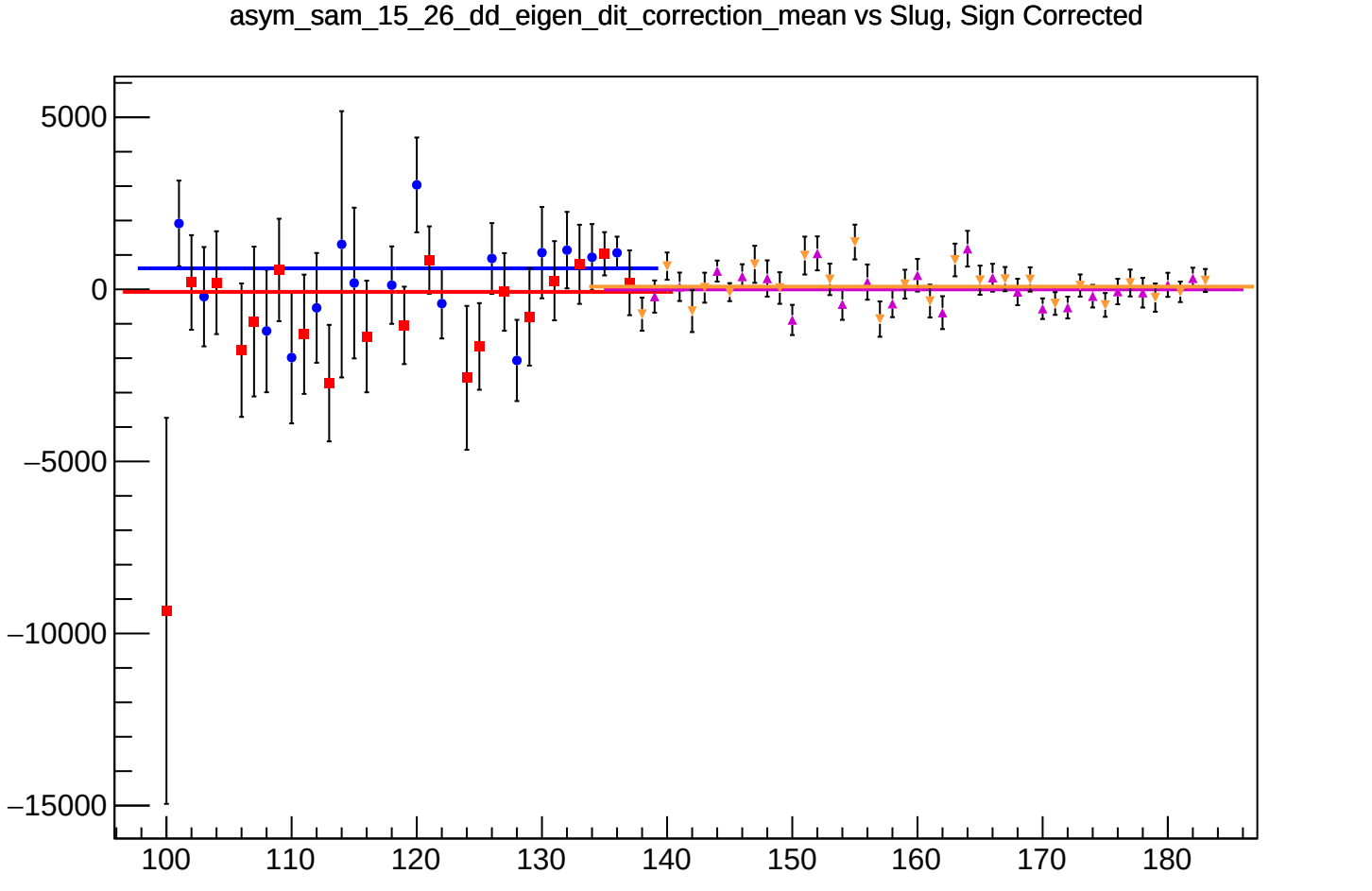
Left: 62.286+/-0.007 χ^2/NDF: 1117836.4/45

Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 65.843+/-0.009 χ^2/NDF:1749771.7/37

Out: 65.885+/-0.009 χ^2/NDF:2089192.5/42

All: 65.865+/-0.007 χ^2/NDF: 3838974.4/80



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 79.673+/-80.735 χ^2/NDF:31.3/23

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: 40.953+/-57.951 χ^2/NDF: 63.9/45

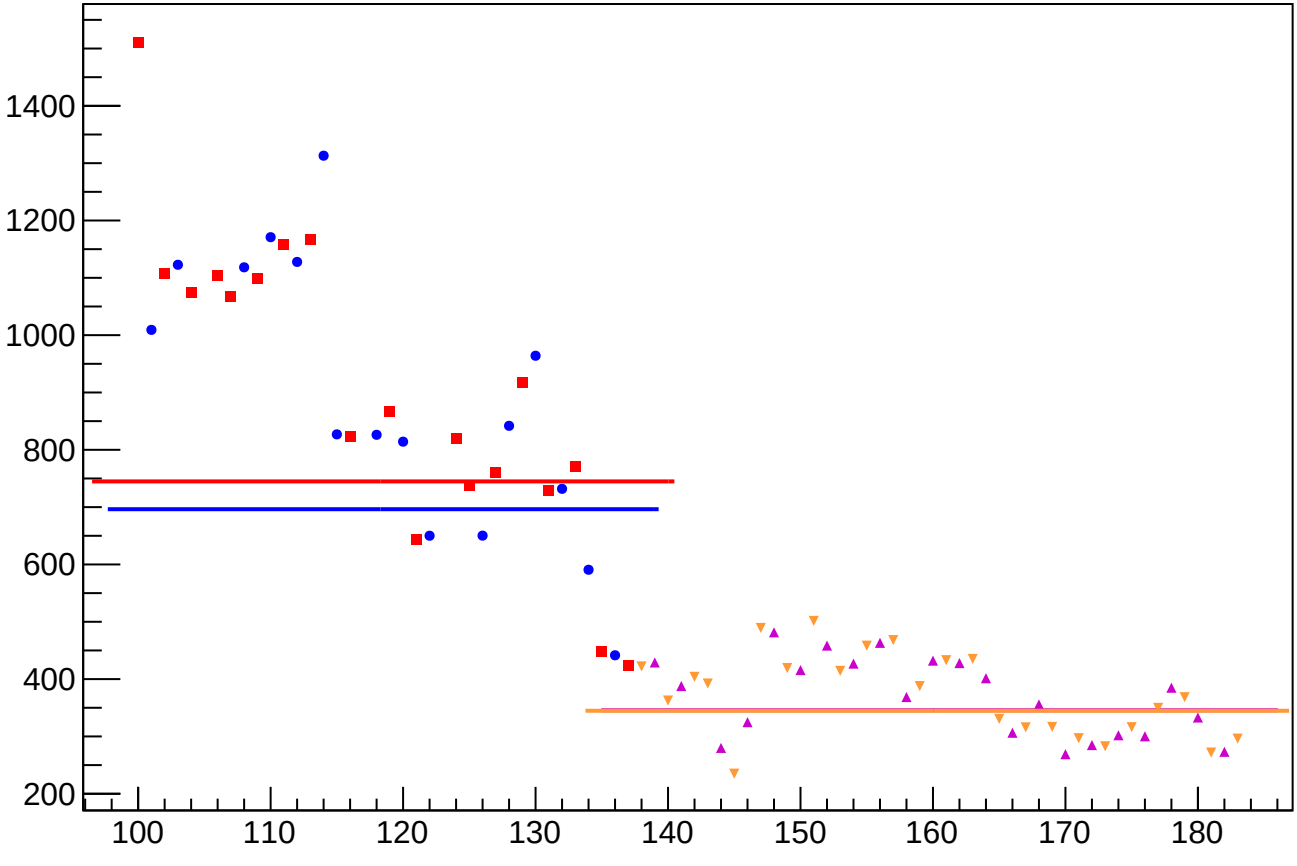
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 51.389+/-79.638 χ^2/NDF:52.5/37

Out: 68.515+/-77.715 χ^2/NDF:47.7/42

All: 60.161+/-55.620 χ^2/NDF: 100.3/80

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: 344.809+/-0.057 χ^2/NDF:1560622.5/23

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: 345.212+/-0.041 χ^2/NDF: 2779172.4/45

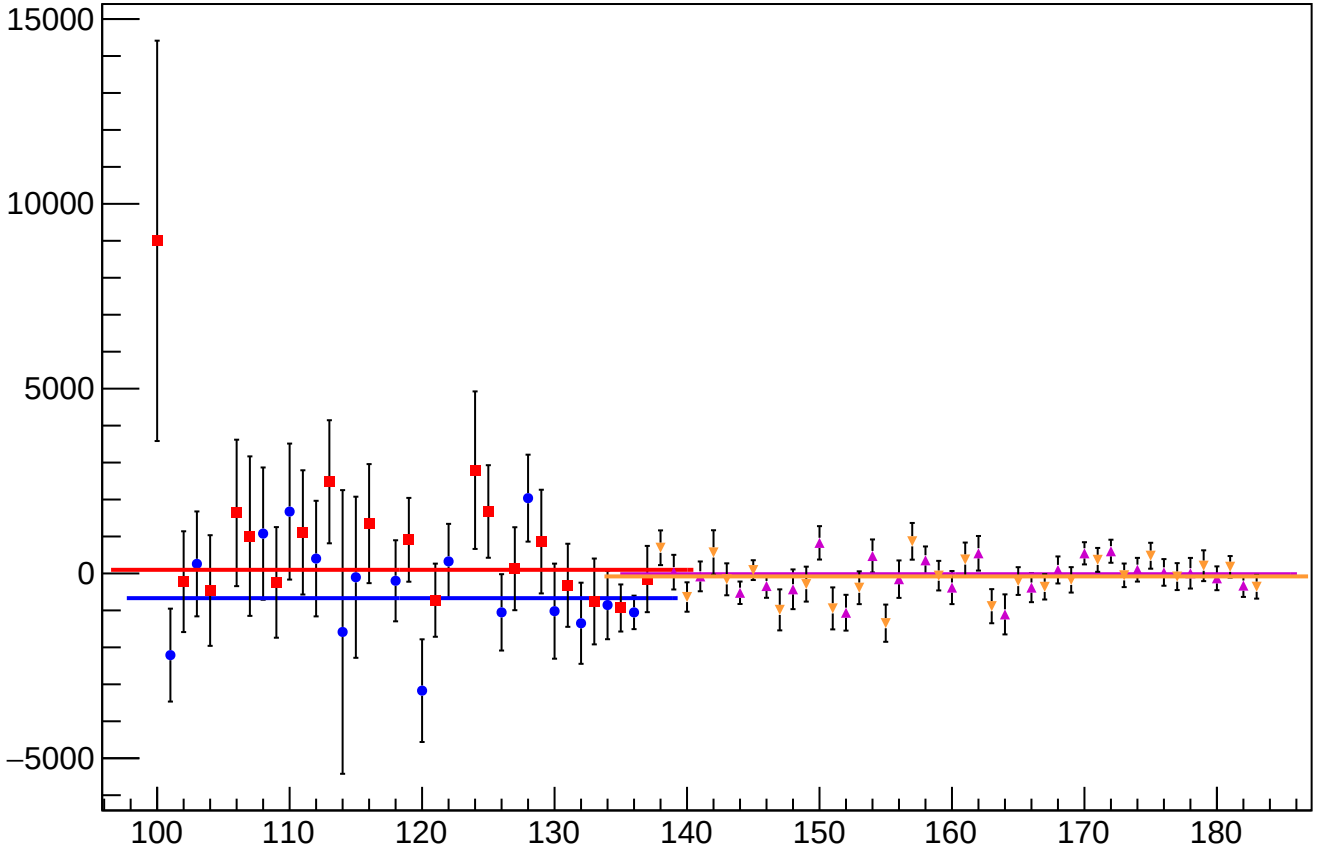
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 375.274+/-0.056 χ^2/NDF:5734417.5/37

Out: 374.178+/-0.055 χ^2/NDF:6664173.0/42

All: 374.713+/-0.039 χ^2/NDF: 12398784.4/80

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -80.263+/-79.326 χ^2/NDF:33.3/23

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: -51.443+/-56.735 χ^2/NDF: 64.3/45

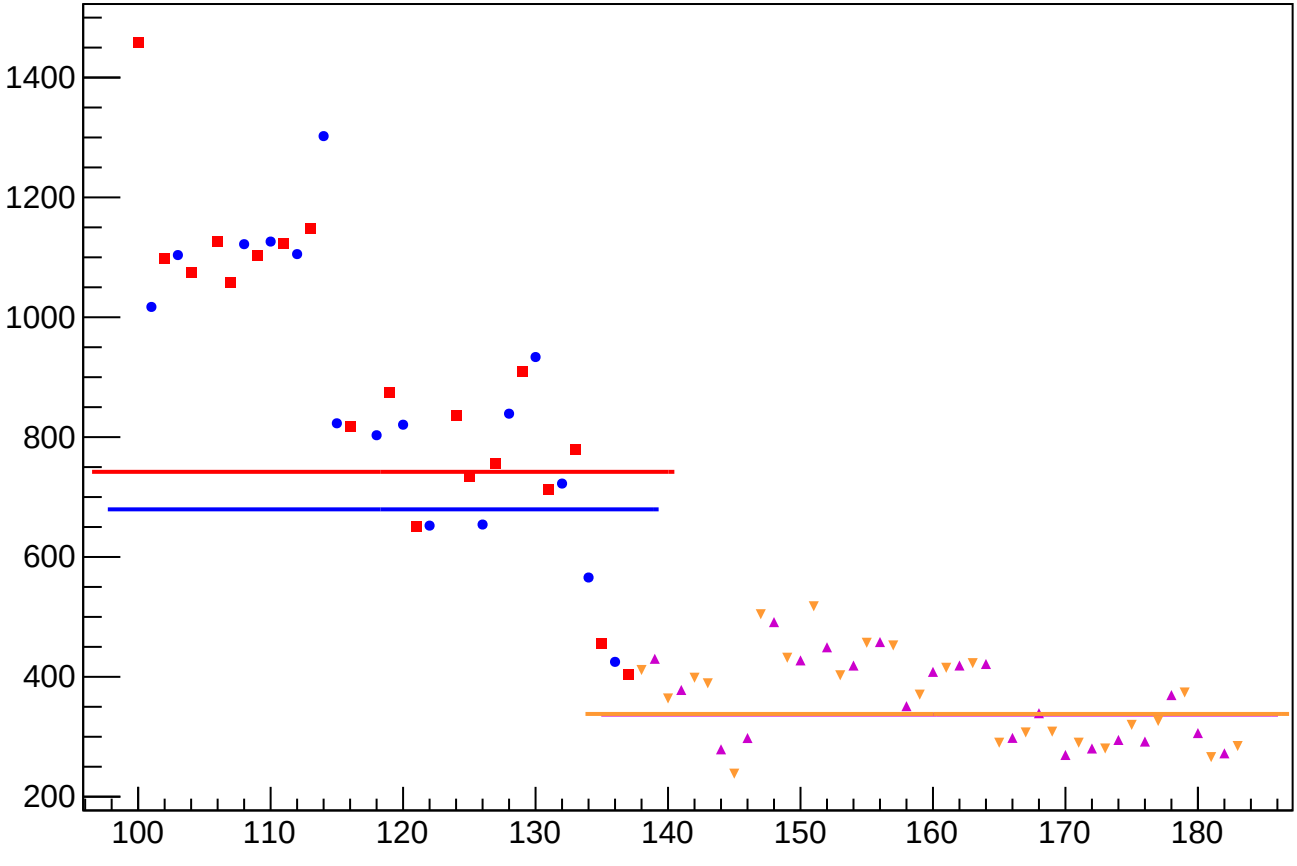
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -75.487+/-77.702 χ^2/NDF:52.1/37

Out: -67.519+/-76.438 χ^2/NDF:48.5/42

All: -71.437+/-54.491 χ^2/NDF: 100.7/80

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 338.081+/-0.056 χ^2/NDF:1610407.4/23

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 337.053+/-0.057 χ^2/NDF:1270896.6/21

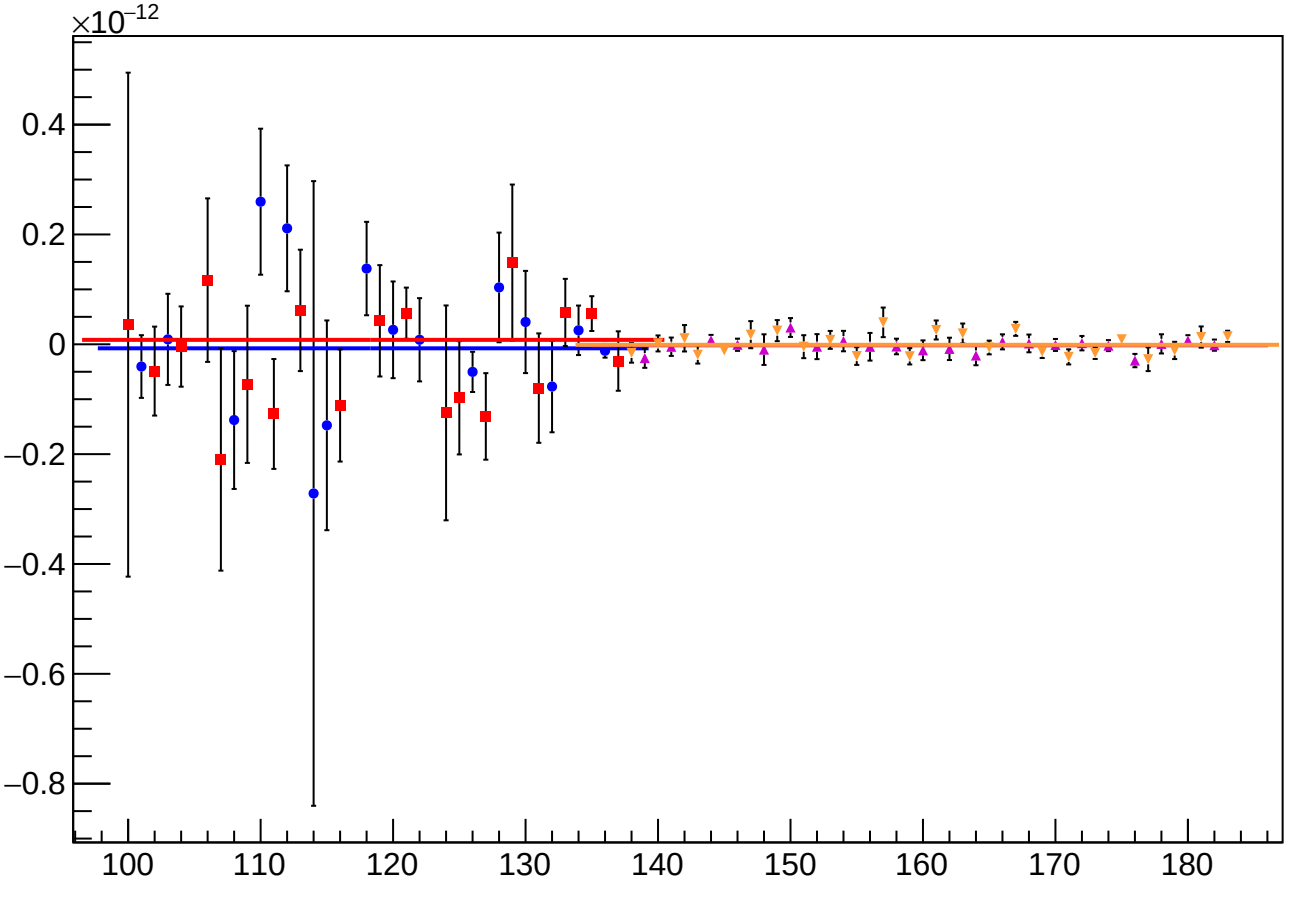
Left: 337.579+/-0.040 χ^2/NDF: 2881468.1/45

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 365.740+/-0.055 χ^2/NDF:5853099.2/37

Out: 366.963+/-0.054 χ^2/NDF:6823363.9/42

All: 366.362+/-0.039 χ^2/NDF: 12676714.8/80



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:14.3/21

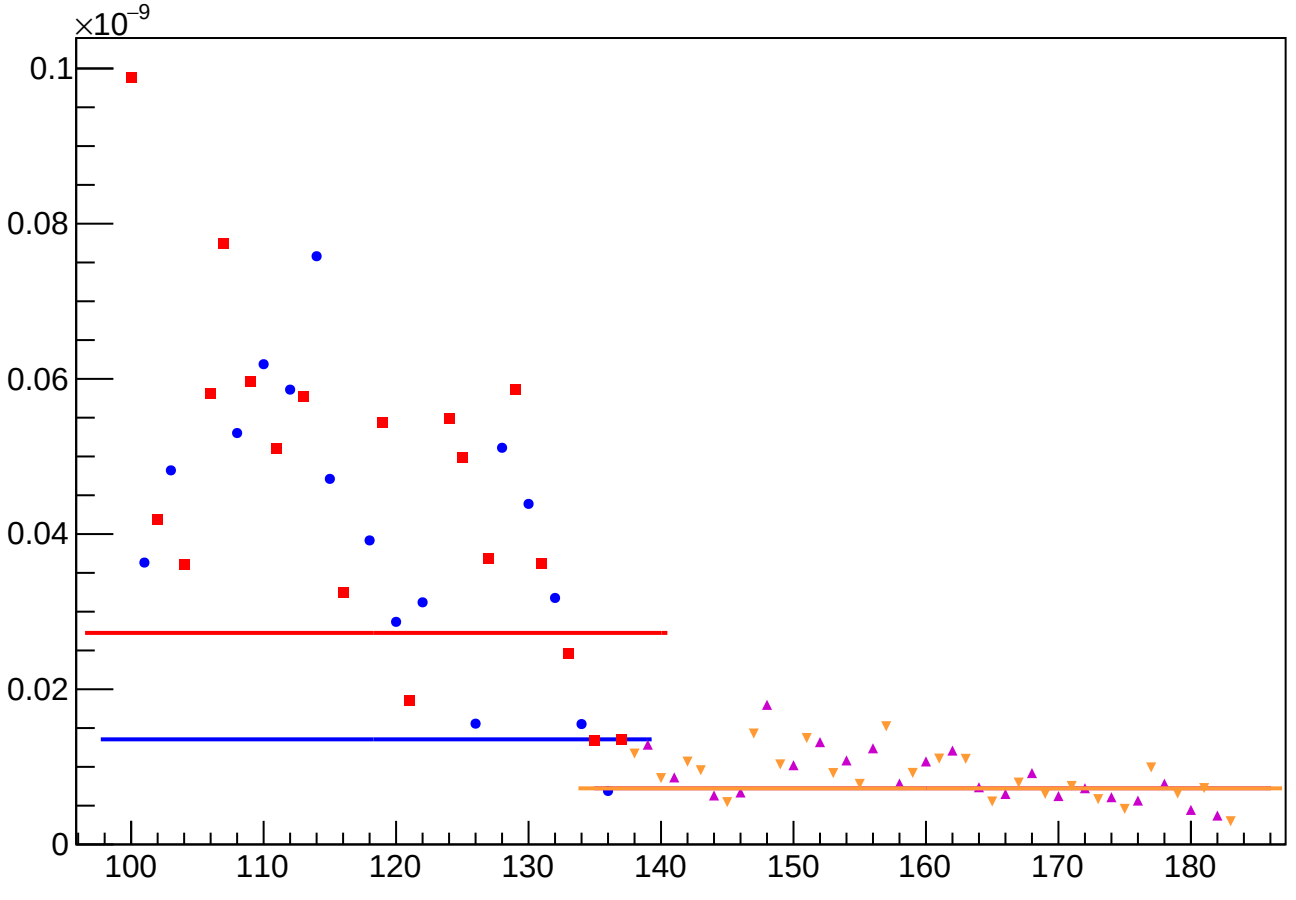
Left: -0.000+/-0.000 χ^2/NDF: 47.6/45

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:50.5/42

All: -0.000+/-0.000 χ^2/NDF: 82.4/80



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1830245.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1597703.0/21

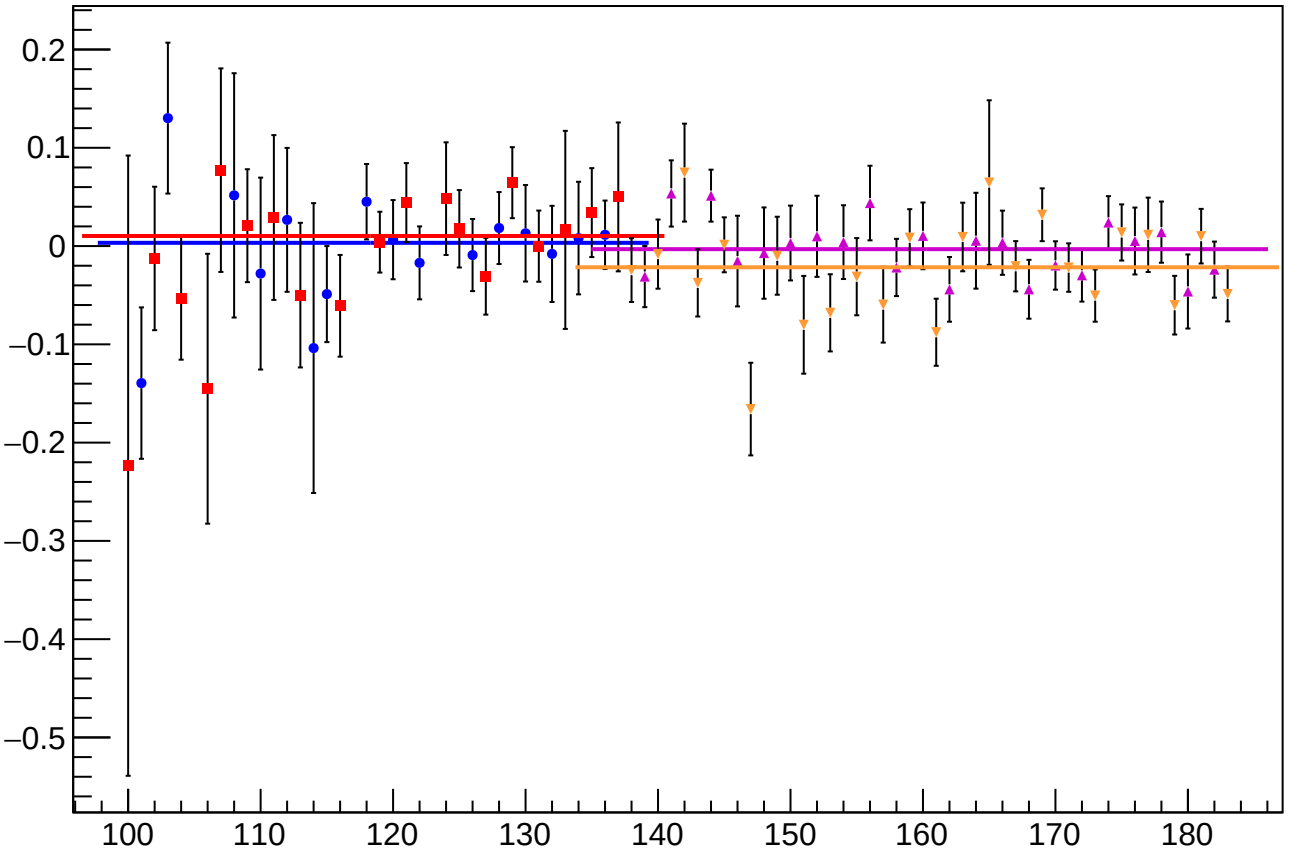
Left: 0.000+/-0.000 χ^2/NDF: 3427960.3/45

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:6170076.8/42

All: 0.000+/-0.000 χ^2/NDF: 11485993.5/80



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:36.0/23

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.003+/-0.007 χ^2/NDF:18.3/21

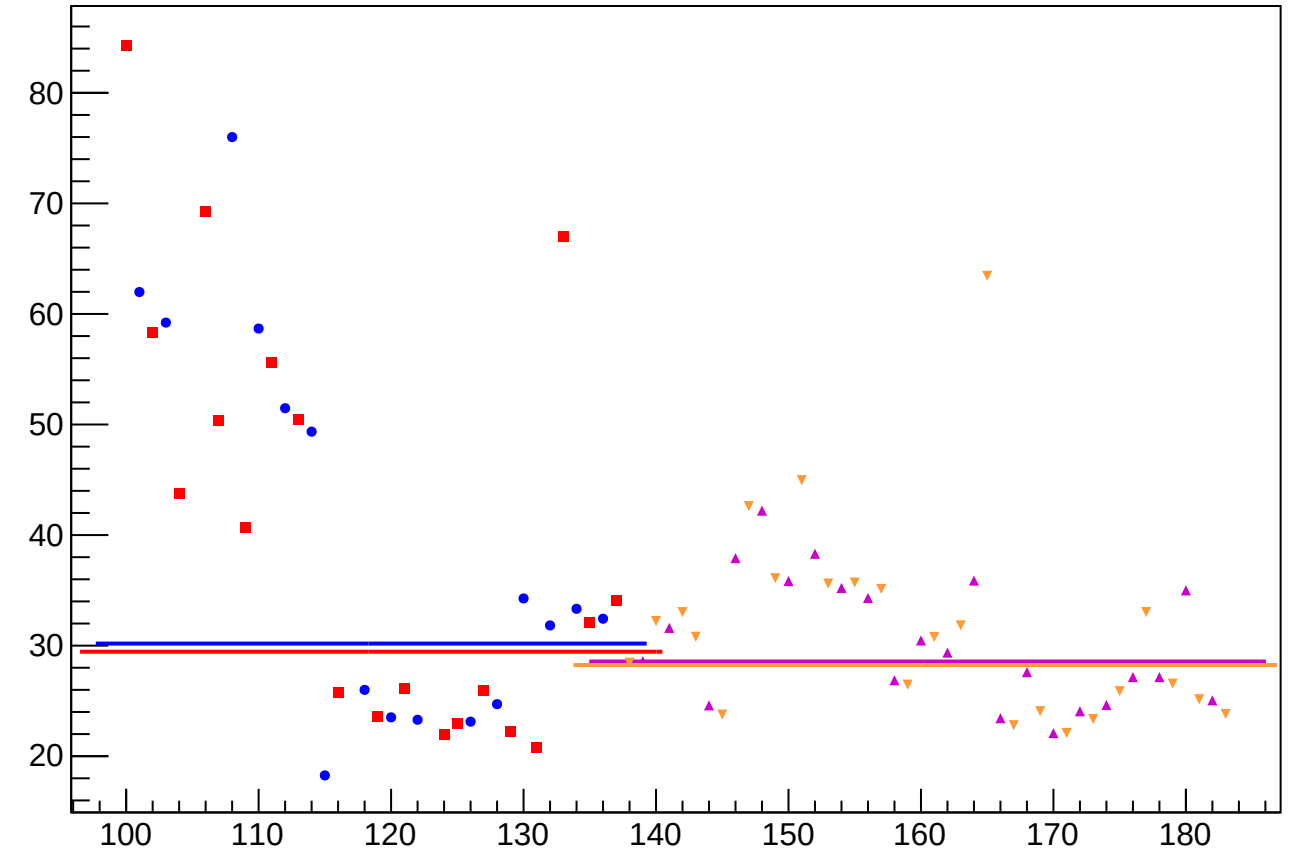
Left: -0.013+/-0.005 χ^2/NDF: 58.0/45

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.002+/-0.006 χ^2/NDF:28.7/37

Out: -0.014+/-0.006 χ^2/NDF:52.8/42

All: -0.008+/-0.004 χ^2/NDF: 83.6/80



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.245+/-0.005 χ^2/NDF:1654060.0/23

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.562+/-0.005 χ^2/NDF:1054276.4/21

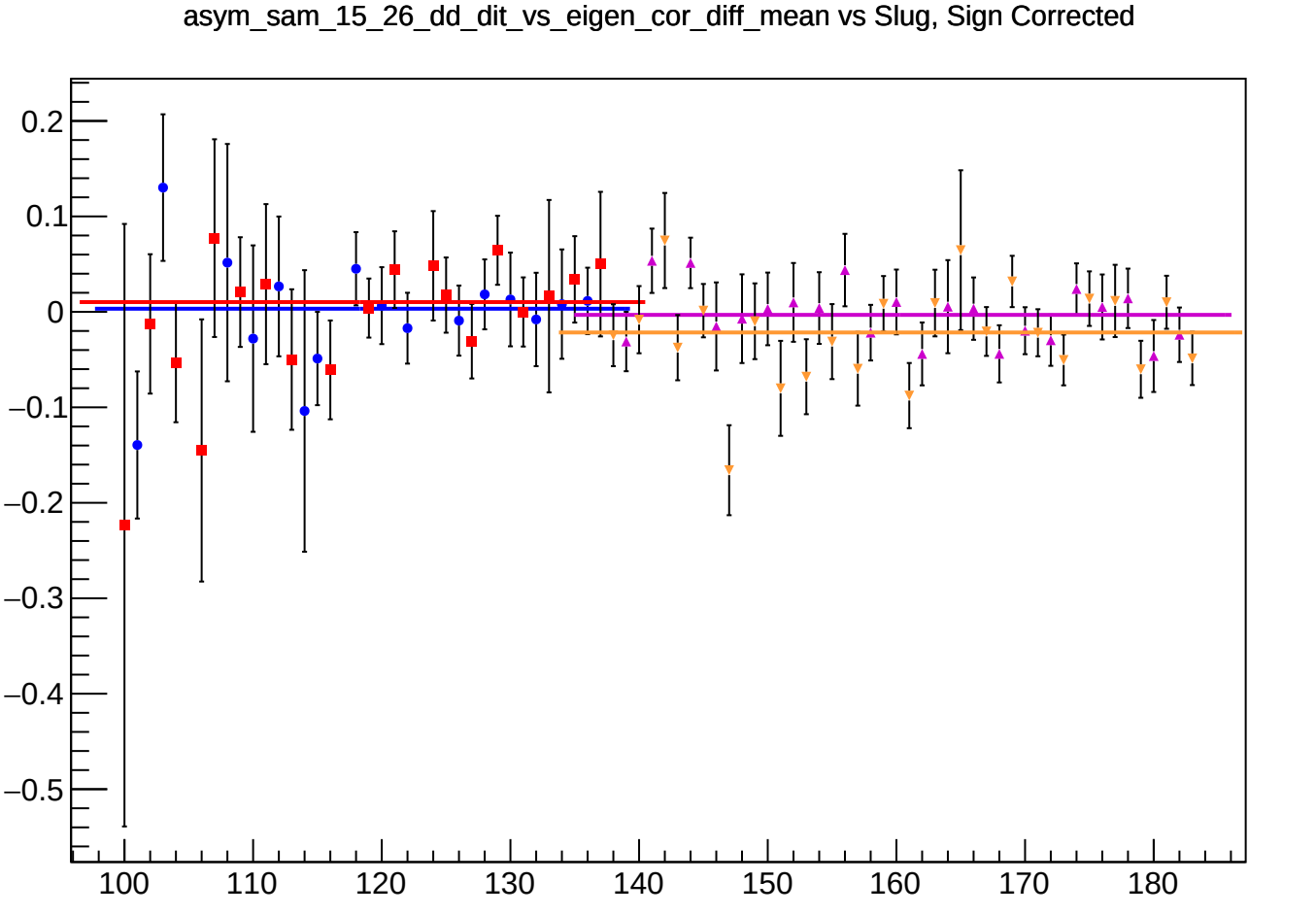
Left: 28.397+/-0.003 χ^2/NDF: 2710502.3/45

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

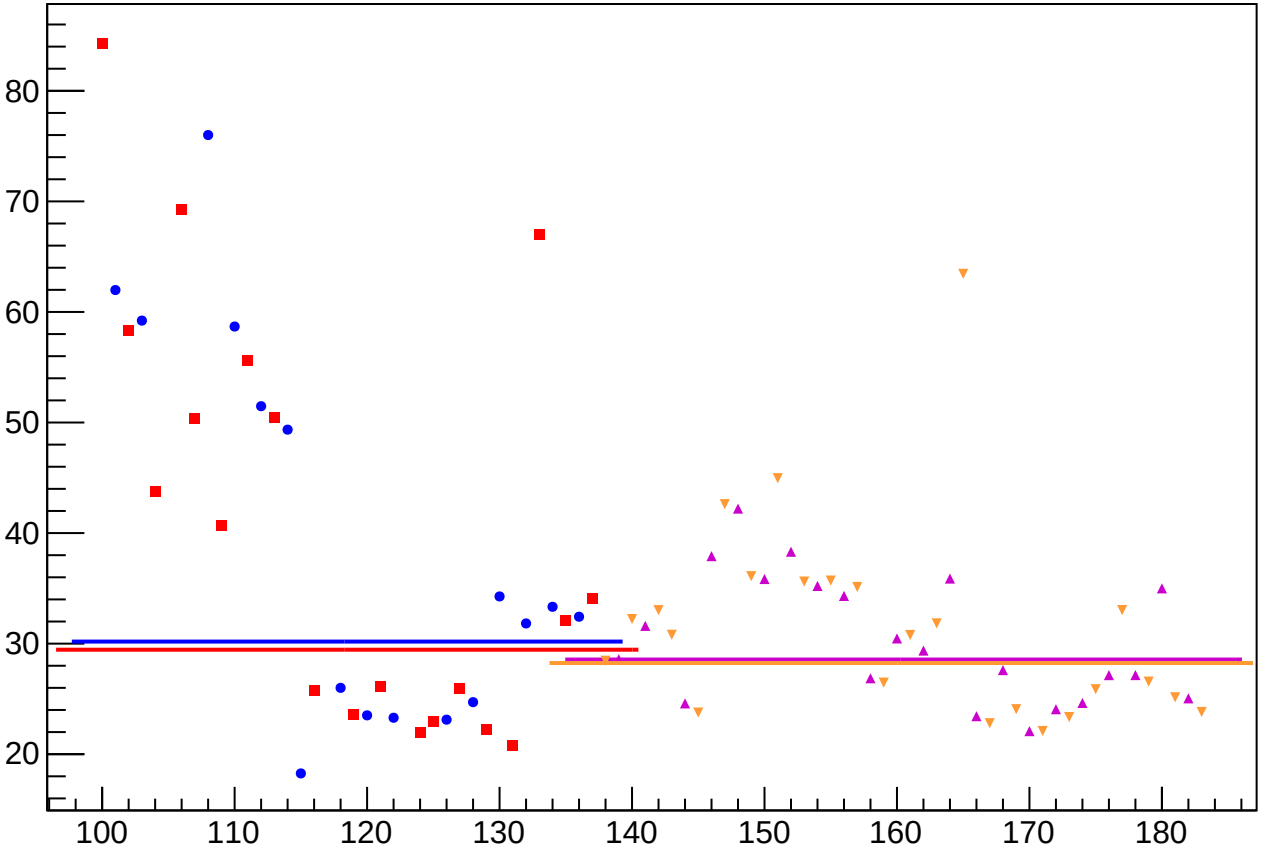
In: 28.957+/-0.004 χ^2/NDF:2768140.3/37

Out: 28.537+/-0.004 χ^2/NDF:3518498.8/42

All: 28.739+/-0.003 χ^2/NDF: 6291628.7/80


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.022+/-0.007 χ²/NDF:36.0/23
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.003+/-0.007 χ²/NDF:18.3/21
Left: -0.013+/-0.005 χ²/NDF: 58.0/45
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: -0.002+/-0.006 χ²/NDF:28.7/37
Out: -0.014+/-0.006 χ²/NDF:52.8/42
All: -0.008+/-0.004 χ²/NDF: 83.6/80

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: 28.245+/-0.005 χ^2/NDF:1654060.0/23

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.562+/-0.005 χ^2/NDF:1054276.4/21

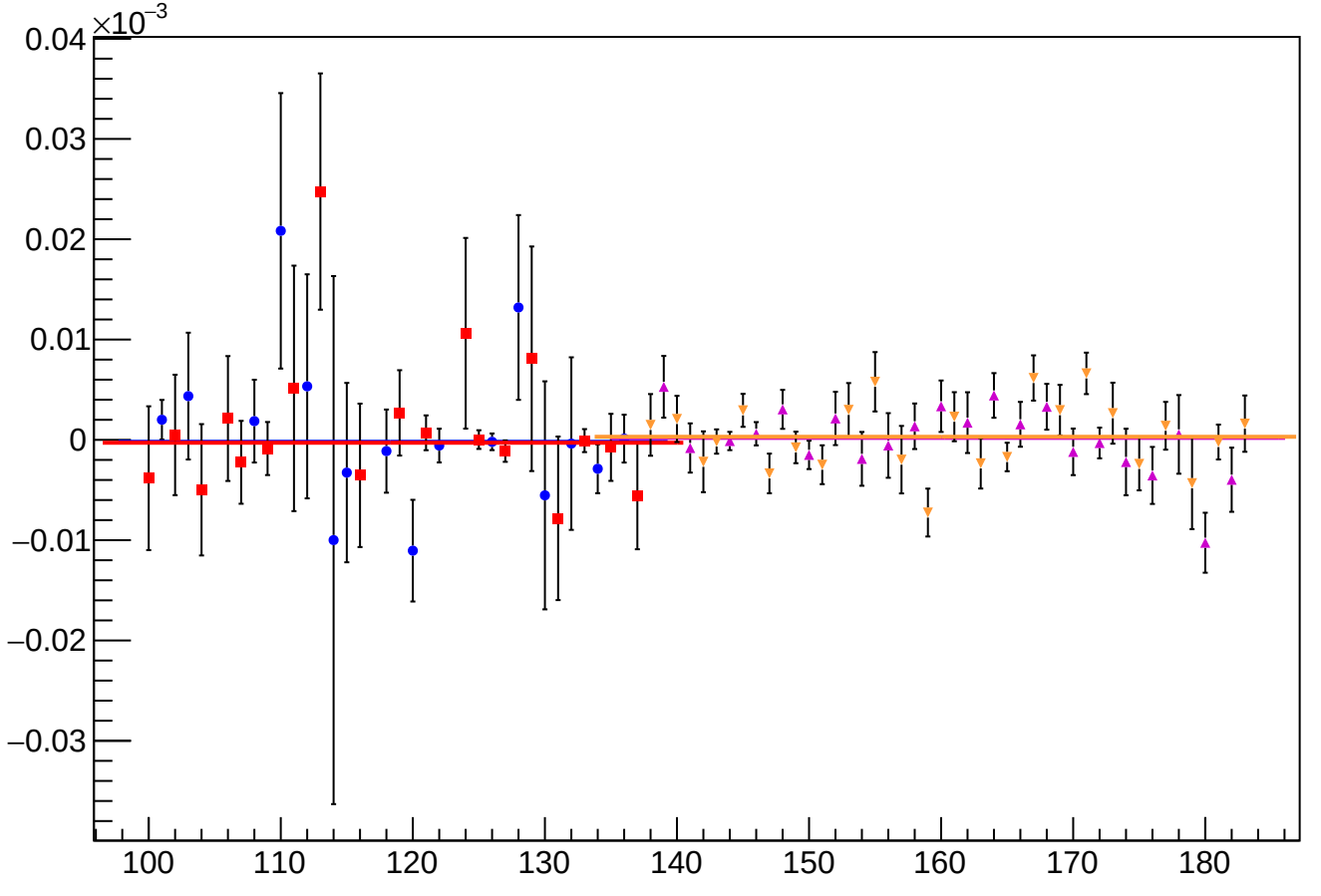
Left: 28.397+/-0.003 χ^2/NDF: 2710502.3/45

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 28.957+/-0.004 χ^2/NDF:2768140.3/37

Out: 28.537+/-0.004 χ^2/NDF:3518498.8/42

All: 28.739+/-0.003 χ^2/NDF: 6291628.7/80



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:32.4/21

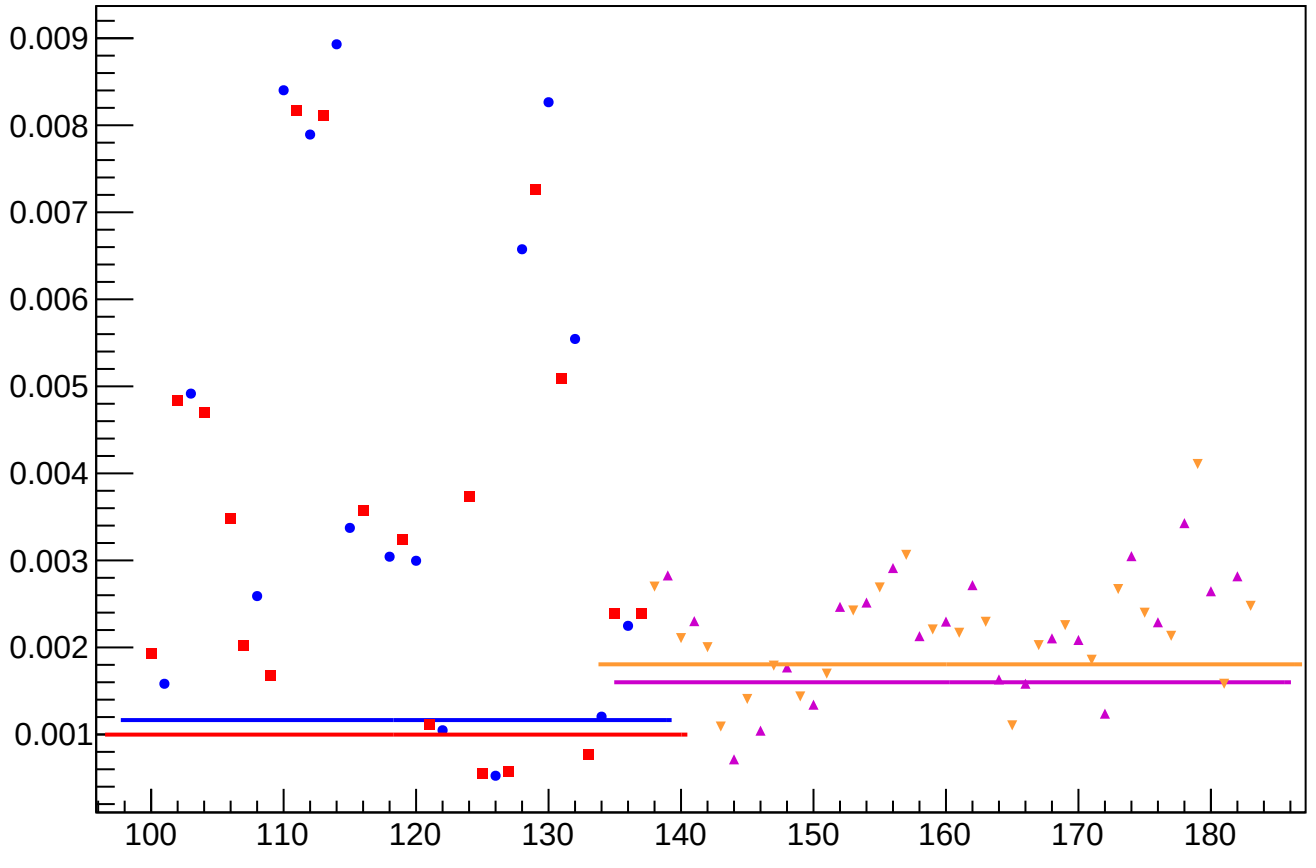
Left: 0.000+/-0.000 χ^2/NDF: 81.7/45

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:61.4/42

All: 0.000+/-0.000 χ^2/NDF: 107.2/80



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3408715.1/23

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.002+/-0.000 χ^2/NDF:5986855.7/21

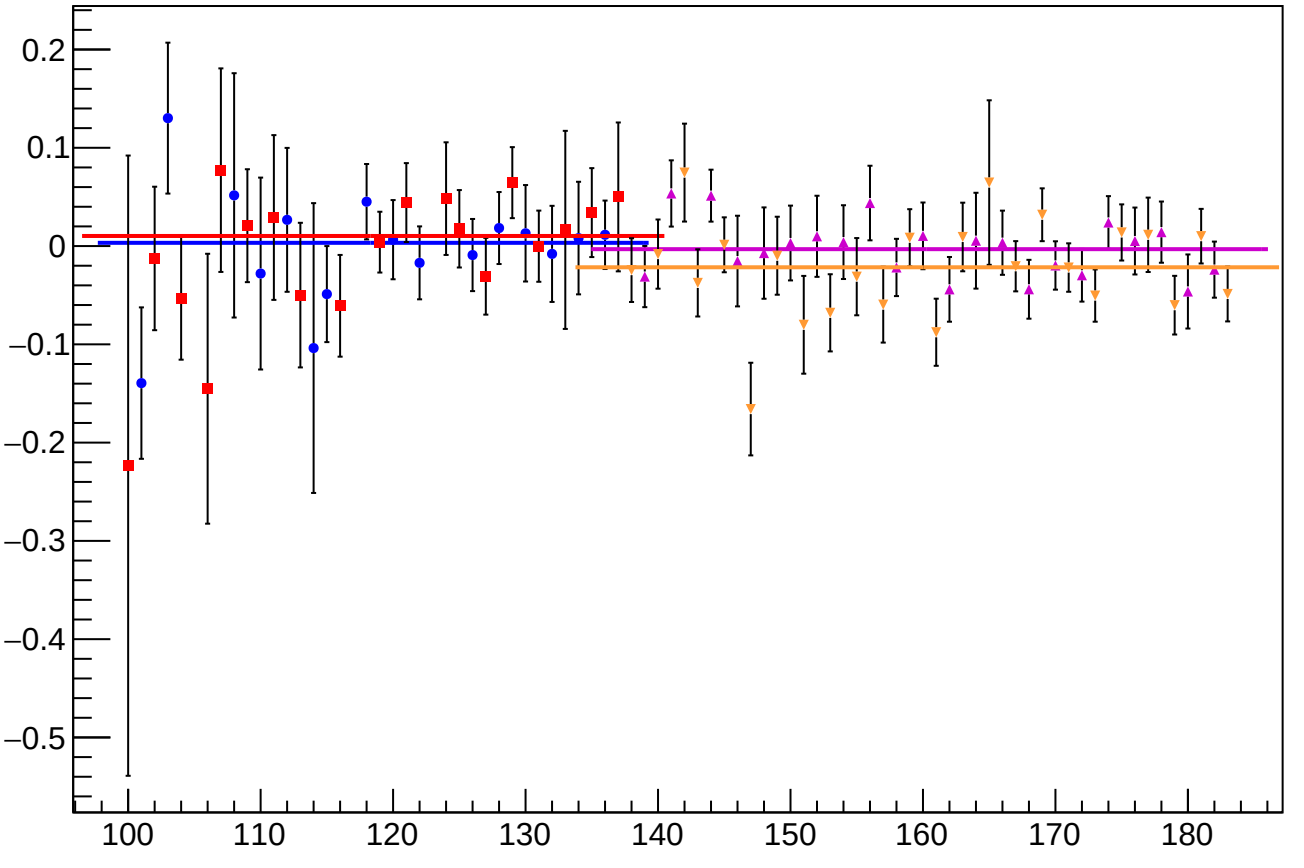
Left: 0.002+/-0.000 χ^2/NDF: 9623872.1/45

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:13160140.4/42

All: 0.001+/-0.000 χ^2/NDF: 26706072.4/80



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:36.0/23

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: -0.013+/-0.005 χ^2/NDF: 58.0/45

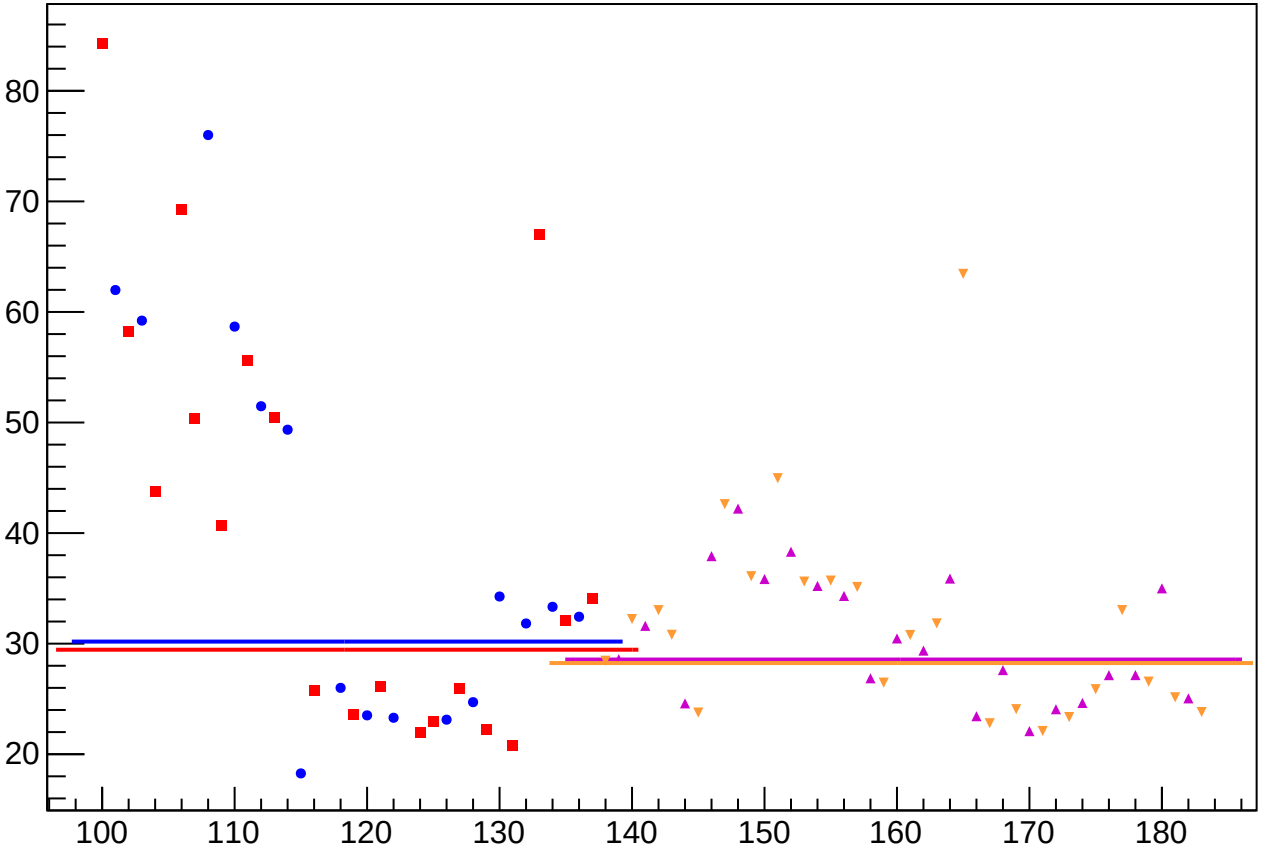
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.002+/-0.006 χ^2/NDF:28.7/37

Out: -0.014+/-0.006 χ^2/NDF:52.8/42

All: -0.008+/-0.004 χ^2/NDF: 83.6/80

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.245+/-0.005 χ^2/NDF:1654051.2/23

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.563+/-0.005 χ^2/NDF:1054265.9/21

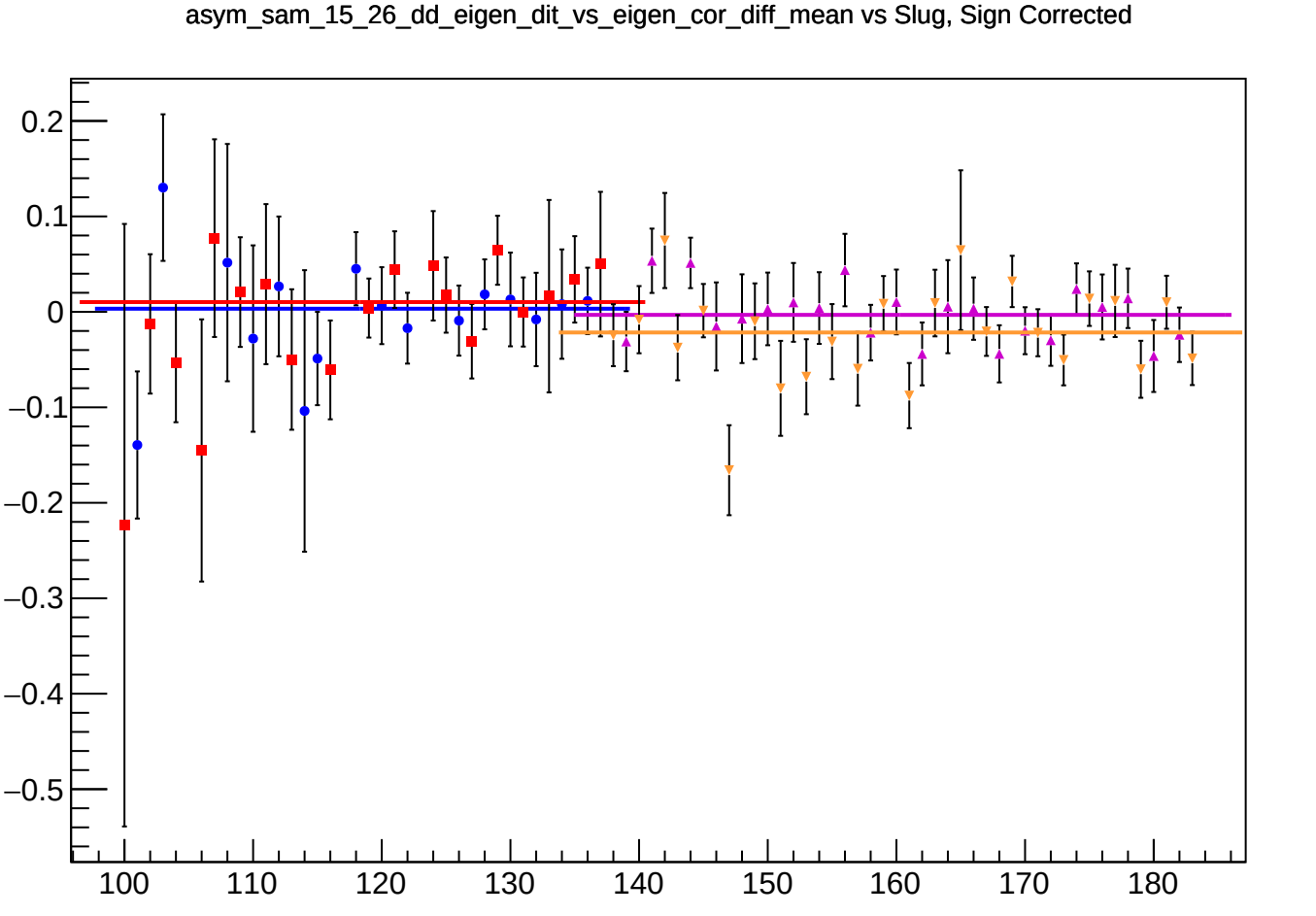
Left: 28.397+/-0.003 χ^2/NDF: 2710485.9/45

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

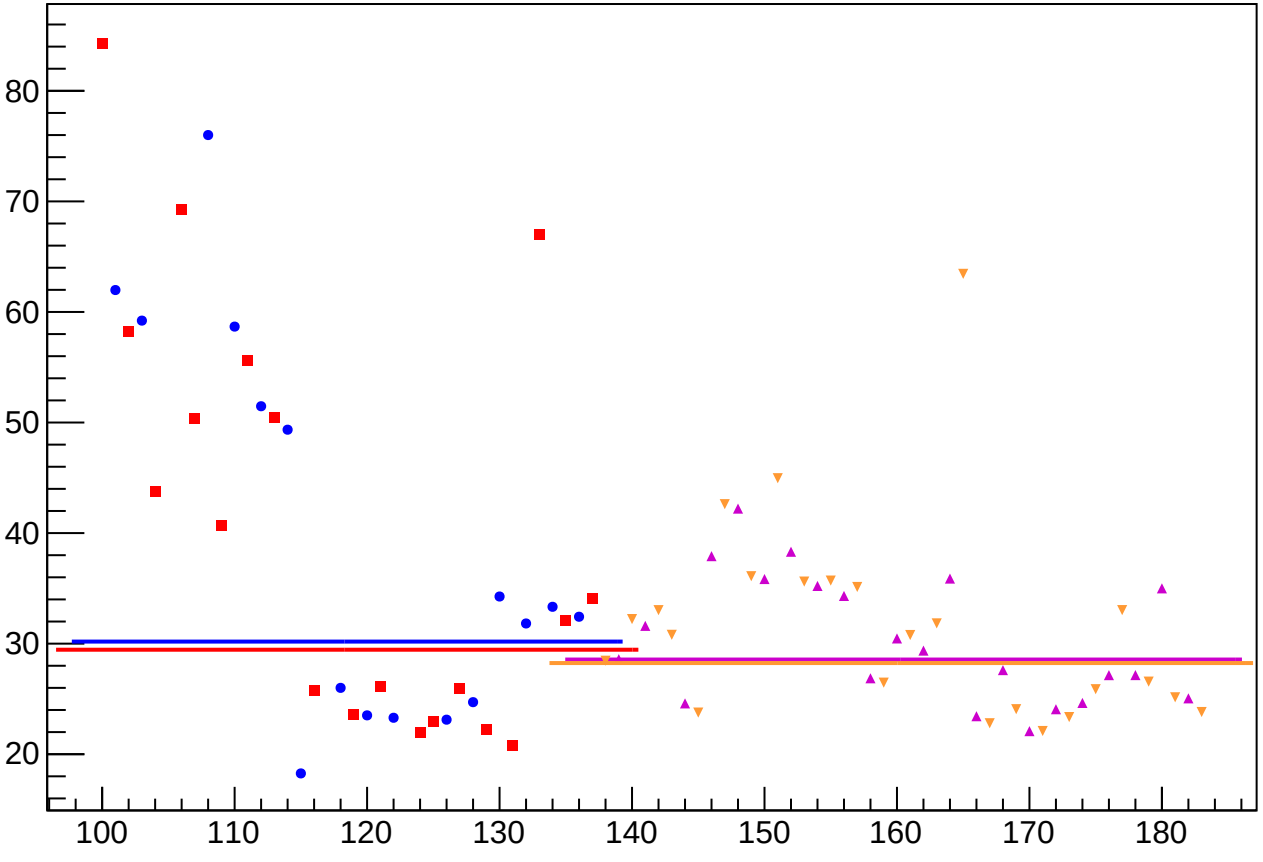
In: 28.957+/-0.004 χ^2/NDF:2767937.1/37

Out: 28.537+/-0.004 χ^2/NDF:3518469.9/42

All: 28.739+/-0.003 χ^2/NDF: 6291404.1/80


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.022+/-0.007 χ²/NDF:36.0/23
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.003+/-0.007 χ²/NDF:18.3/21
Left: -0.013+/-0.005 χ²/NDF: 58.0/45
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: -0.002+/-0.006 χ²/NDF:28.7/37
Out: -0.014+/-0.006 χ²/NDF:52.8/42
All: -0.008+/-0.004 χ²/NDF: 83.6/80

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: 28.245+/-0.005 χ^2/NDF:1654051.2/23

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.563+/-0.005 χ^2/NDF:1054265.9/21

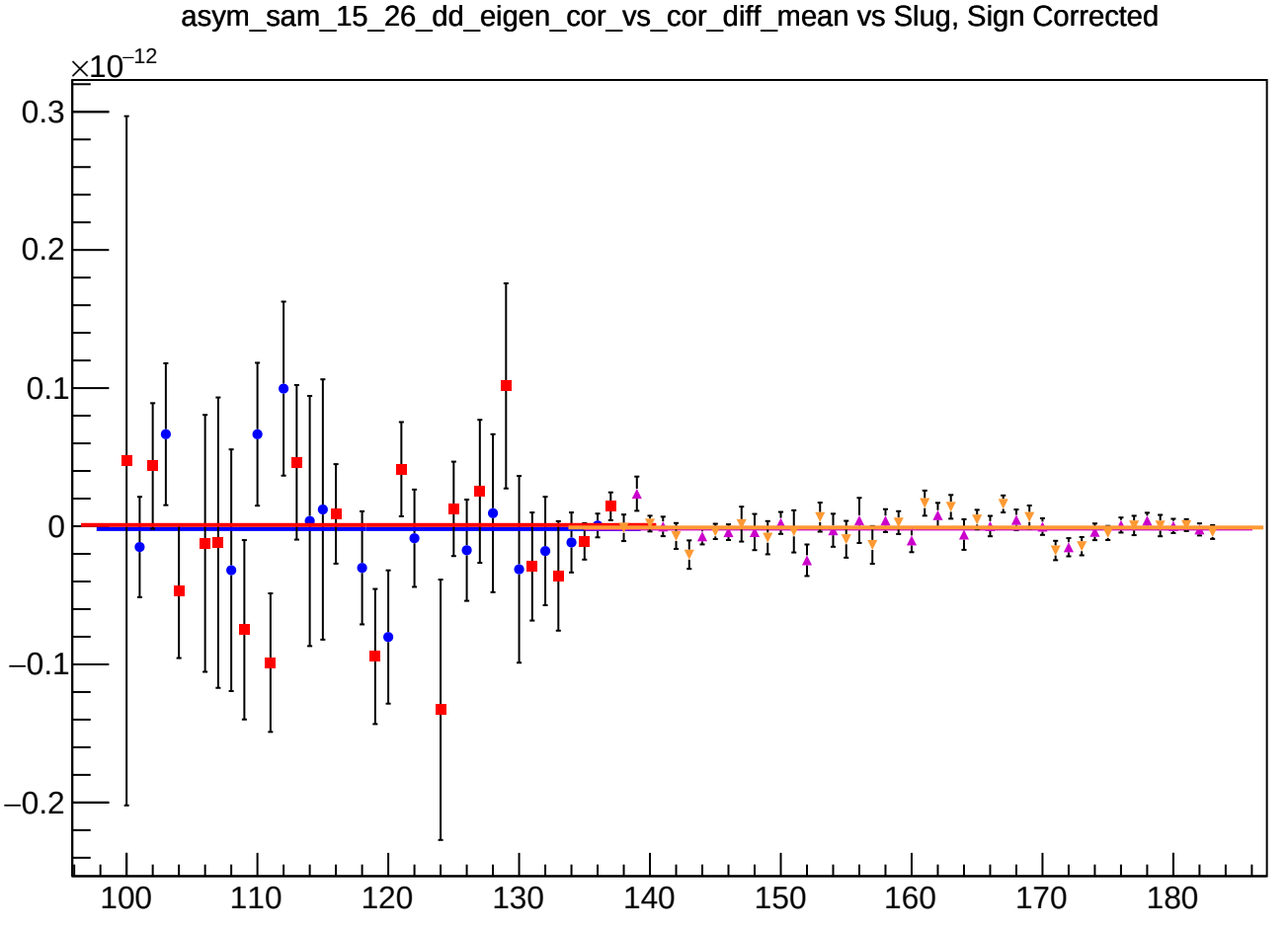
Left: 28.397+/-0.003 χ^2/NDF: 2710485.9/45

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 28.957+/-0.004 χ^2/NDF:2767937.1/37

Out: 28.537+/-0.004 χ^2/NDF:3518469.9/42

All: 28.739+/-0.003 χ^2/NDF: 6291404.1/80



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.2/21

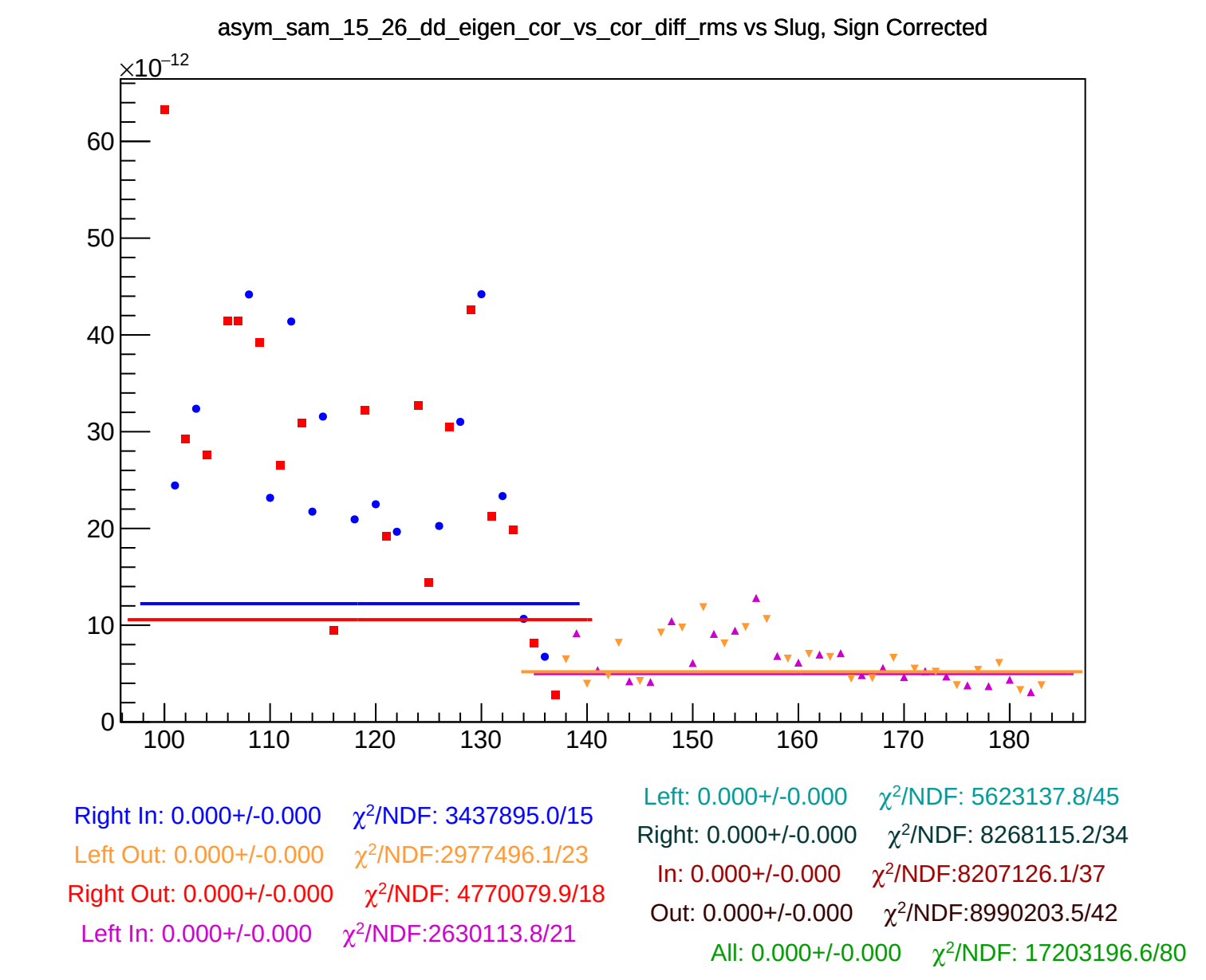
Left: -0.000+/-0.000 χ^2/NDF: 53.4/45

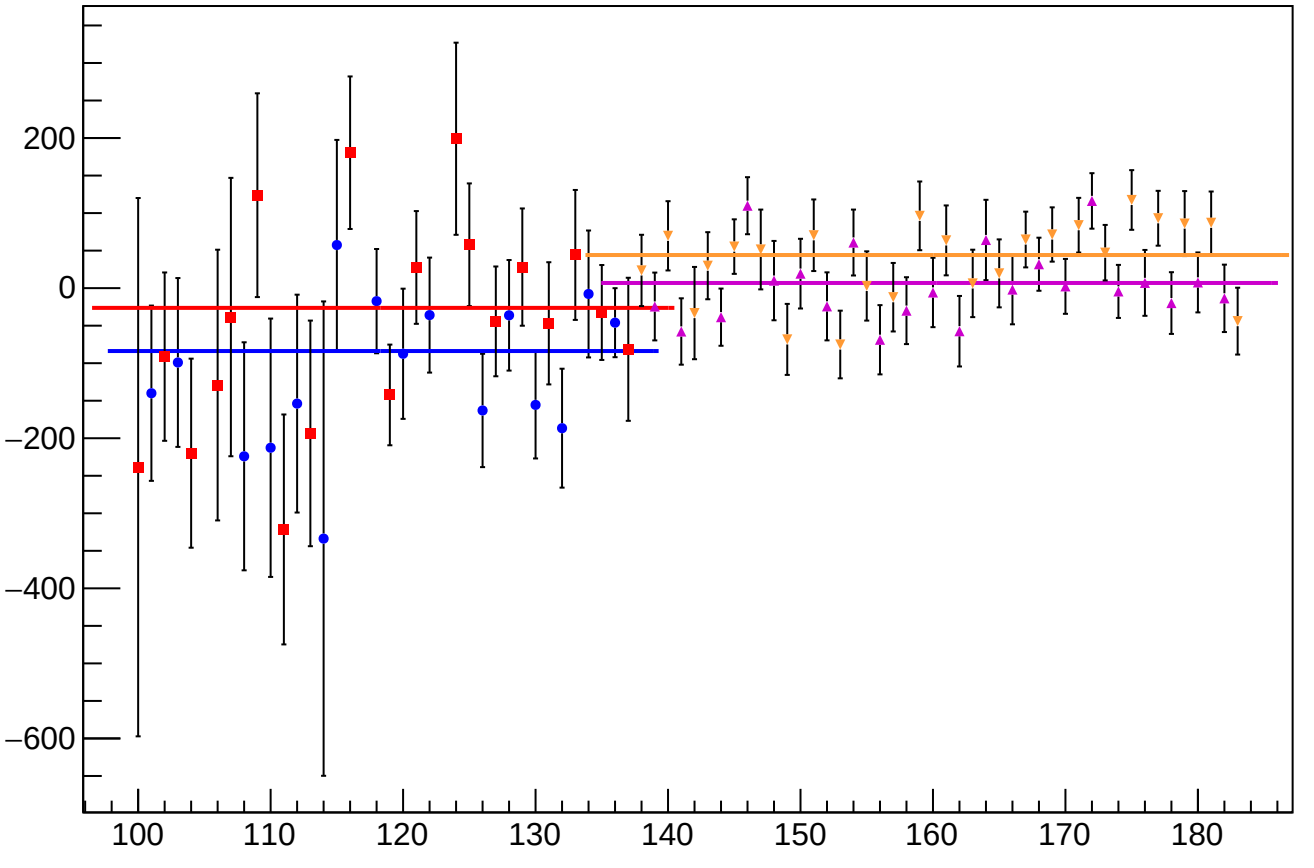
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:29.6/37

Out: -0.000+/-0.000 χ^2/NDF:55.5/42

All: -0.000+/-0.000 χ^2/NDF: 85.3/80


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:2977496.1/23
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: 5623137.8/45
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:8990203.5/42
All: 0.000+/-0.000 χ²/NDF: 17203196.6/80



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 44.124+/-8.767 χ^2/NDF:33.2/23

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 6.890+/-9.042 χ^2/NDF:29.9/21

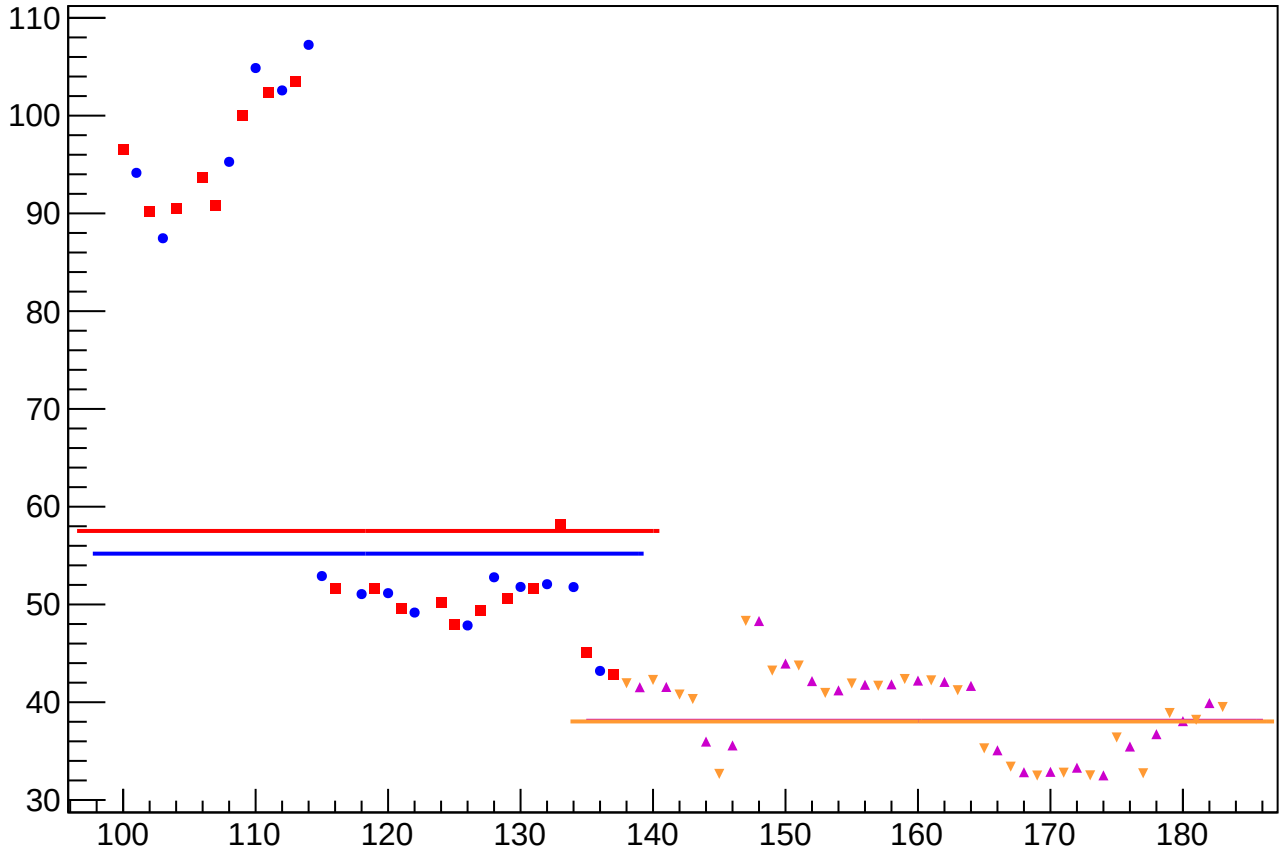
Left: 26.080+/-6.294 χ^2/NDF: 71.9/45

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -6.811+/-8.331 χ^2/NDF:55.7/37

Out: 34.522+/-8.148 χ^2/NDF:65.0/42

All: 14.314+/-5.825 χ^2/NDF: 133.3/80



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 38.033+/-0.006 χ^2/NDF:510502.7/23

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: 38.067+/-0.004 χ^2/NDF: 937357.5/45

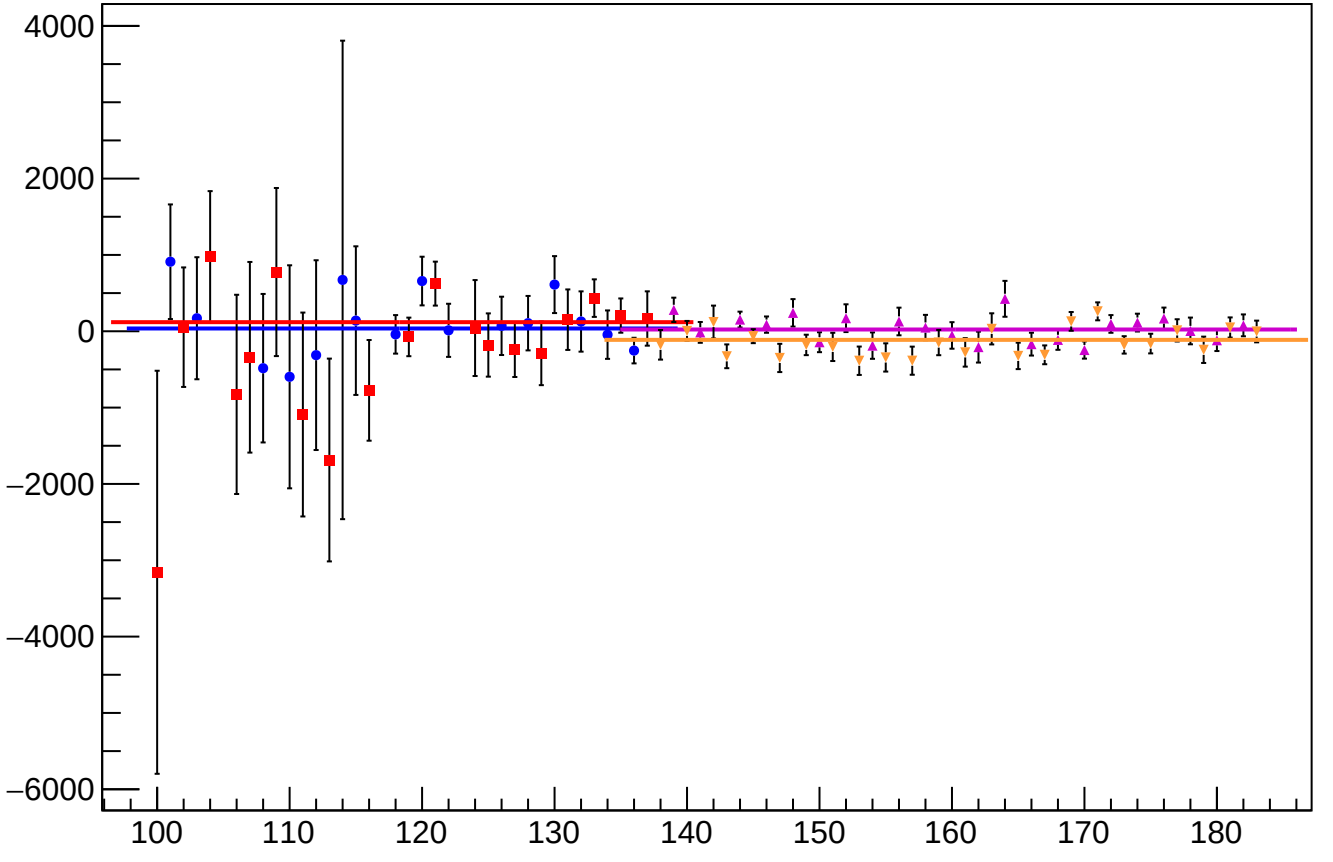
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 40.685+/-0.006 χ^2/NDF:2659397.3/37

Out: 40.690+/-0.006 χ^2/NDF:3139200.3/42

All: 40.687+/-0.004 χ^2/NDF: 5798597.9/80

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: -112.682+/-29.864 χ^2/NDF:35.5/23

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 23.107+/-30.434 χ^2/NDF:26.2/21

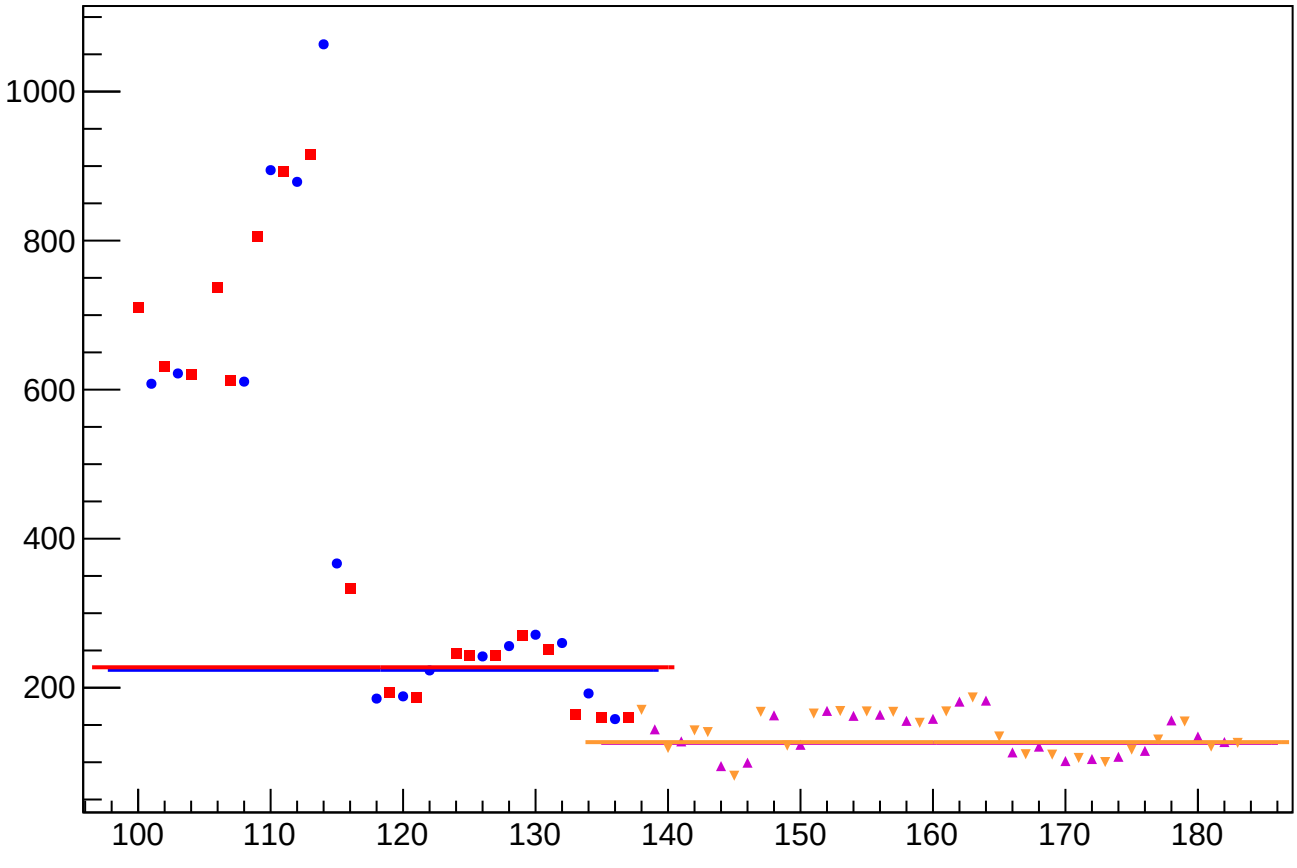
Left: -46.071+/-21.316 χ^2/NDF: 71.8/45

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 24.372+/-28.941 χ^2/NDF:37.6/37

Out: -92.160+/-28.512 χ^2/NDF:56.9/42

All: -34.766+/-20.311 χ^2/NDF: 102.7/80



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 126.975+/-0.021 χ^2/NDF:1738960.8/23

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 125.964+/-0.022 χ^2/NDF:1410334.6/21

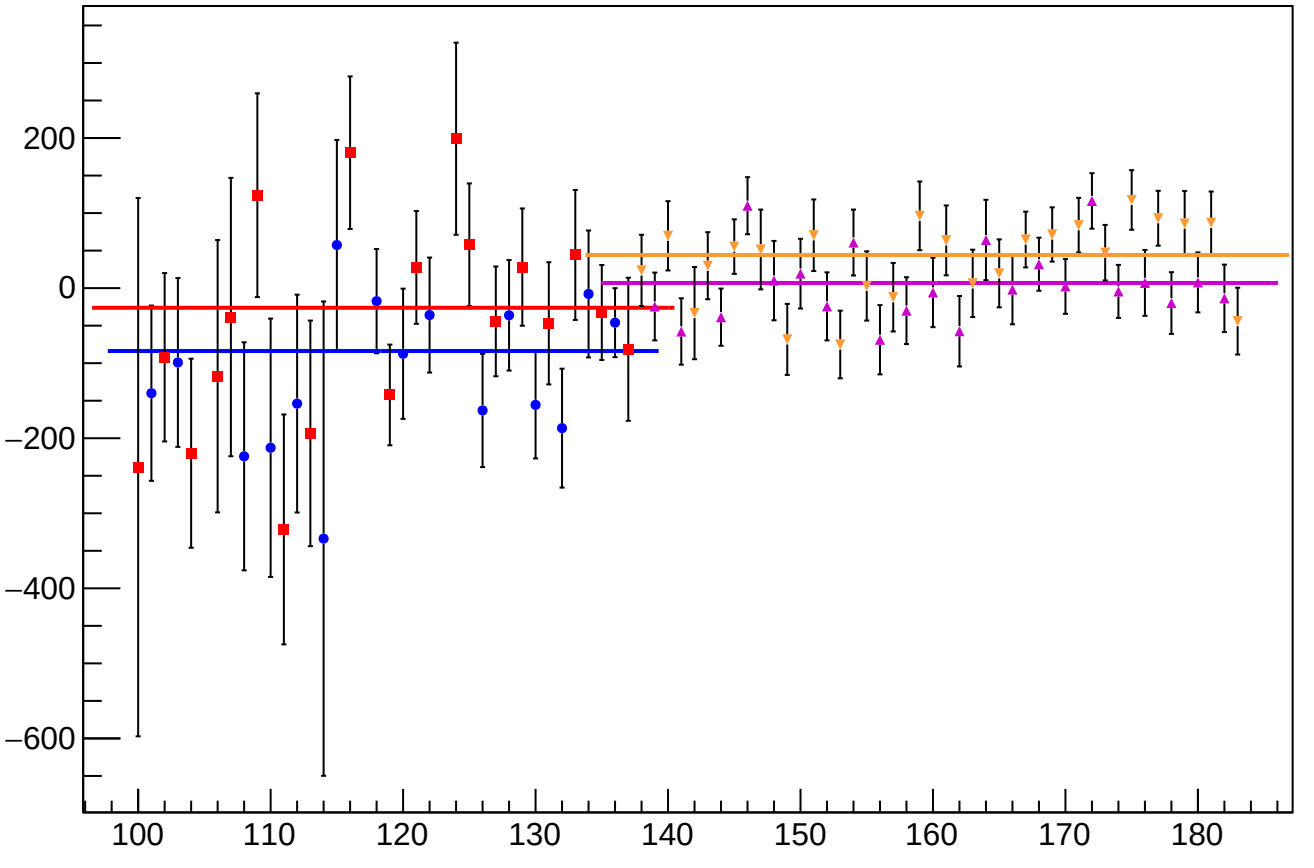
Left: 126.479+/-0.015 χ^2/NDF: 3150419.1/45

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 135.348+/-0.020 χ^2/NDF:6365775.3/37

Out: 135.868+/-0.020 χ^2/NDF:7383464.8/42

All: 135.612+/-0.014 χ^2/NDF: 13749567.8/80



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 44.125+/-8.767 χ^2/NDF:33.2/23

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 6.891+/-9.042 χ^2/NDF:29.9/21

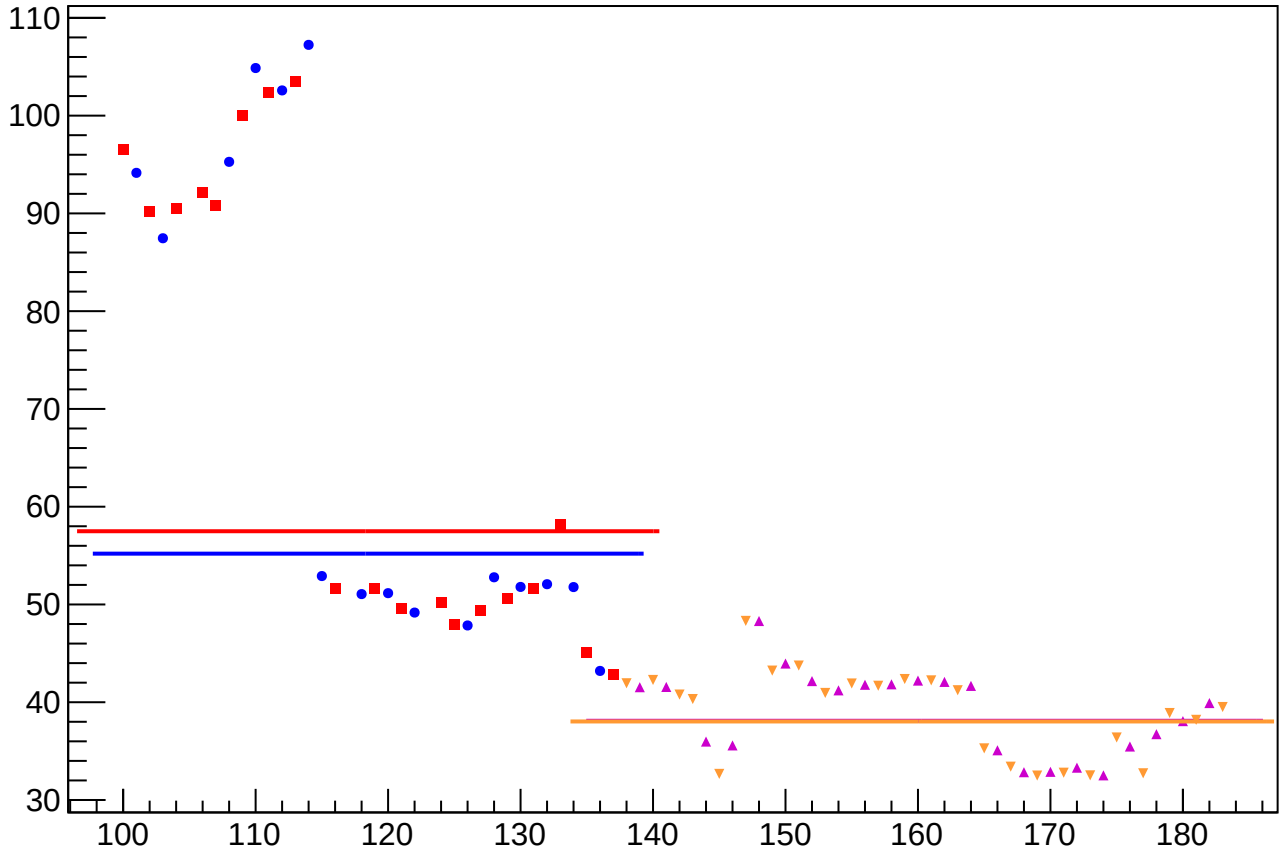
Left: 26.081+/-6.294 χ^2/NDF: 71.9/45

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -6.809+/-8.331 χ^2/NDF:55.7/37

Out: 34.547+/-8.148 χ^2/NDF:64.9/42

All: 14.327+/-5.825 χ^2/NDF: 133.2/80



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.033+/-0.006 χ^2/NDF:510502.7/23

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: 38.067+/-0.004 χ^2/NDF: 937357.4/45

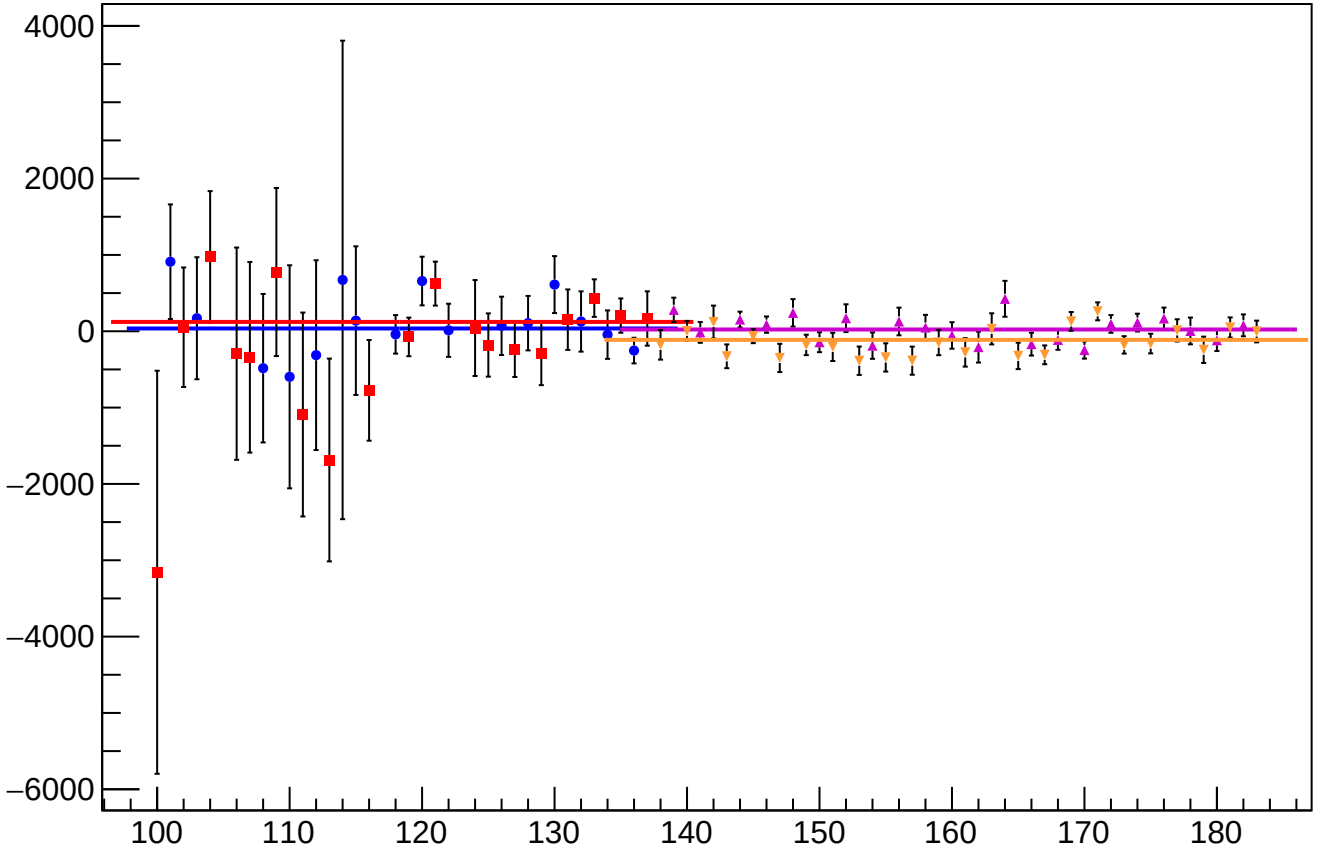
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 40.685+/-0.006 χ^2/NDF:2659397.5/37

Out: 40.685+/-0.006 χ^2/NDF:3127582.9/42

All: 40.685+/-0.004 χ^2/NDF: 5786980.3/80

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: -112.682+/-29.864 χ^2/NDF:35.5/23

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 23.108+/-30.434 χ^2/NDF:26.2/21

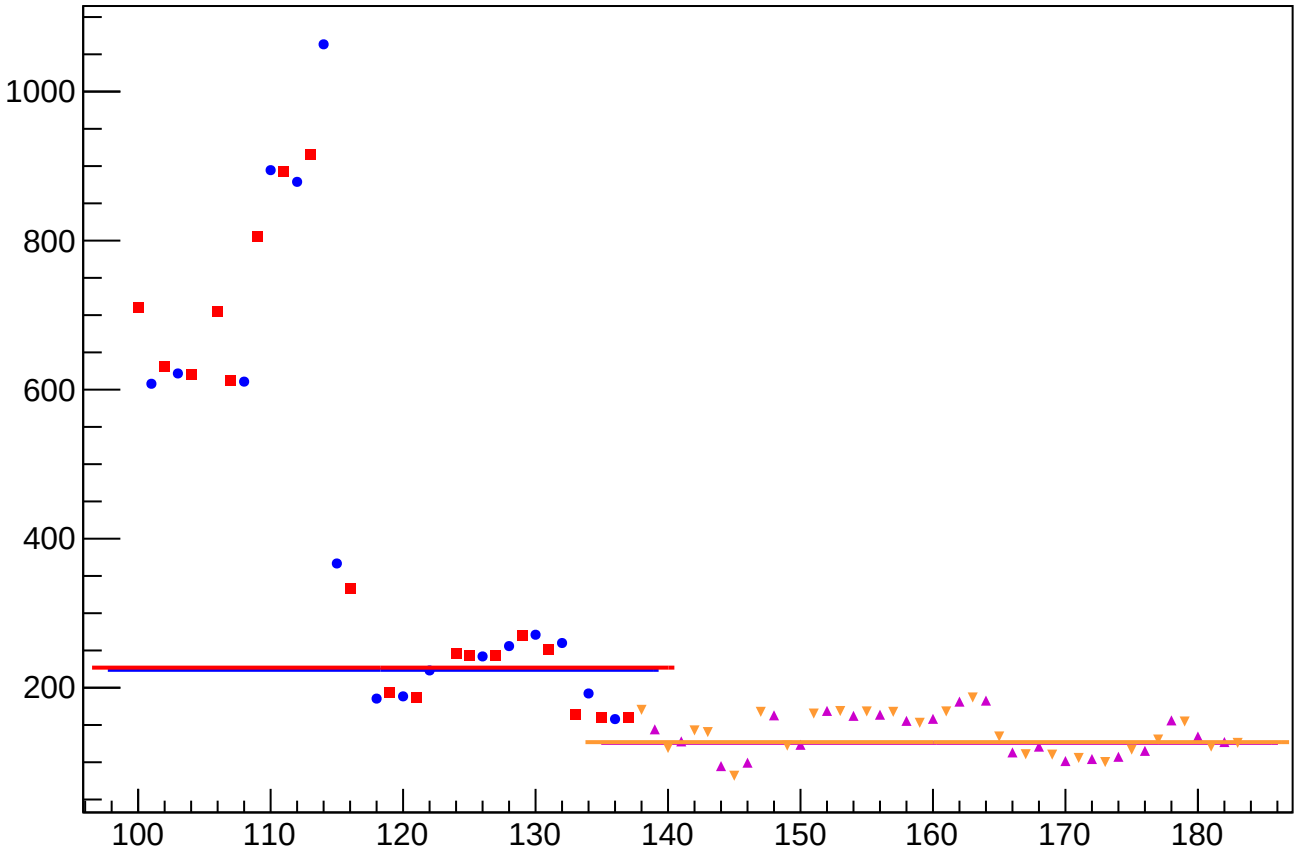
Left: -46.070+/-21.316 χ^2/NDF: 71.8/45

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 24.373+/-28.941 χ^2/NDF:37.6/37

Out: -91.896+/-28.512 χ^2/NDF:56.6/42

All: -34.630+/-20.311 χ^2/NDF: 102.4/80



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.975+/-0.021 χ^2/NDF:1738957.1/23

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 125.964+/-0.022 χ^2/NDF:1410342.9/21

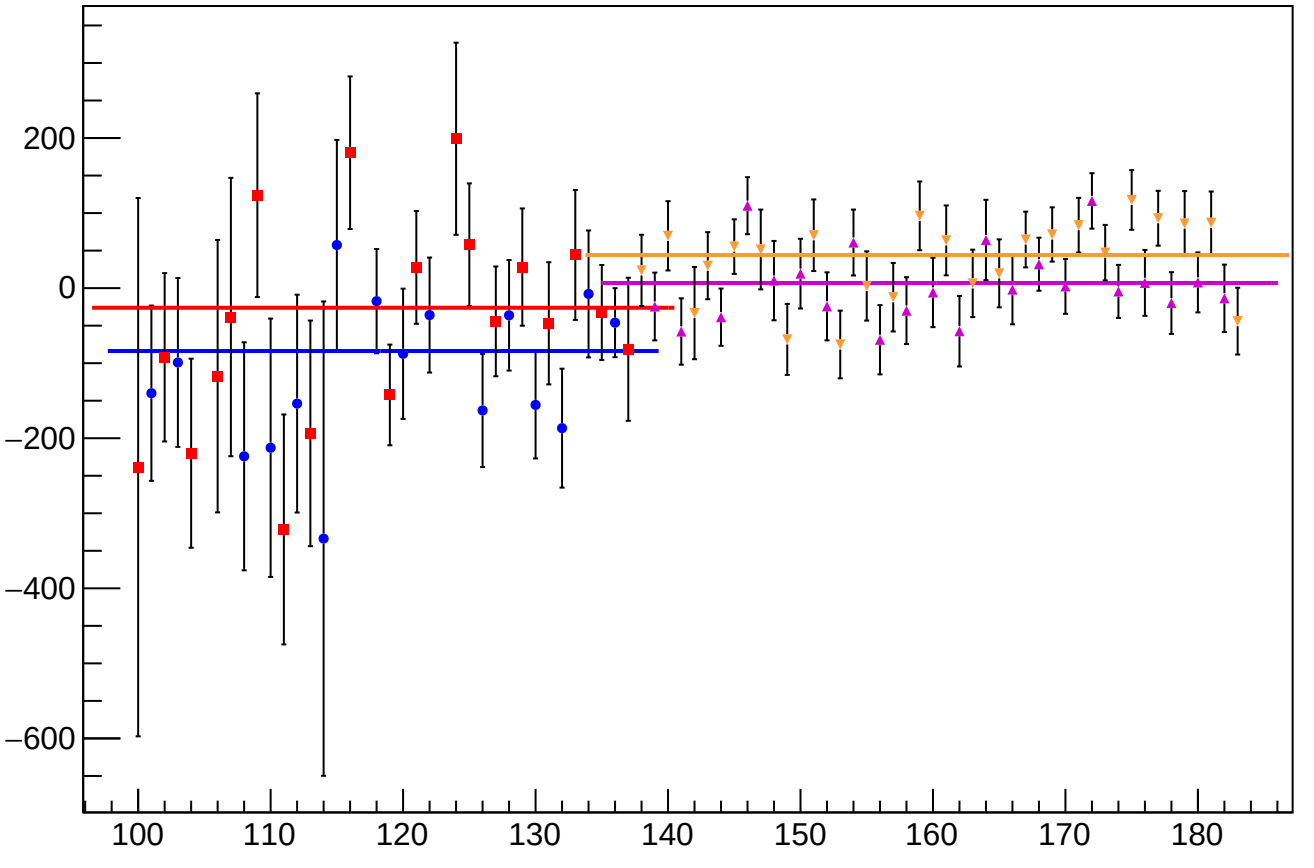
Left: 126.479+/-0.015 χ^2/NDF: 3150424.0/45

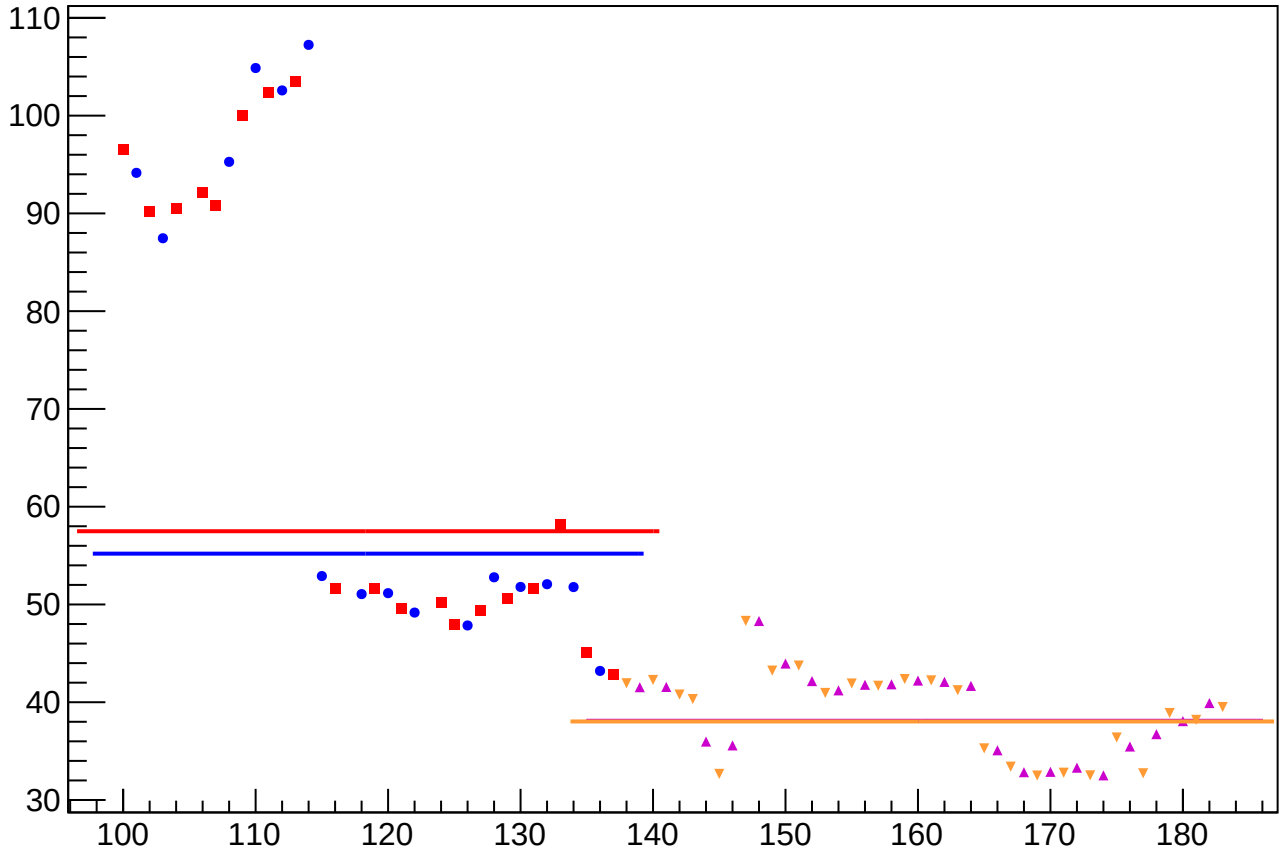
Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.348+/-0.020 χ^2/NDF:6365794.9/37

Out: 135.821+/-0.020 χ^2/NDF:7294497.2/42

All: 135.588+/-0.014 χ^2/NDF: 13660562.4/80


eigen_cor_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
180
Right In: -83.805+/-21.434 χ²/NDF: 10.5/15
Left Out: 44.125+/-8.767 χ²/NDF:33.2/23
Right Out: -26.142+/-22.069 χ²/NDF: 22.9/18
Left In: 6.891+/-9.042 χ²/NDF:29.9/21
Left: 26.081+/-6.294 χ²/NDF: 71.9/45
Right: -55.815+/-15.376 χ²/NDF: 37.0/34
In: -6.809+/-8.331 χ²/NDF:55.7/37
Out: 34.547+/-8.148 χ²/NDF:64.9/42
All: 14.327+/-5.825 χ²/NDF: 133.2/80



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.033+/-0.006 χ^2/NDF:510502.7/23

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: 38.067+/-0.004 χ^2/NDF: 937357.4/45

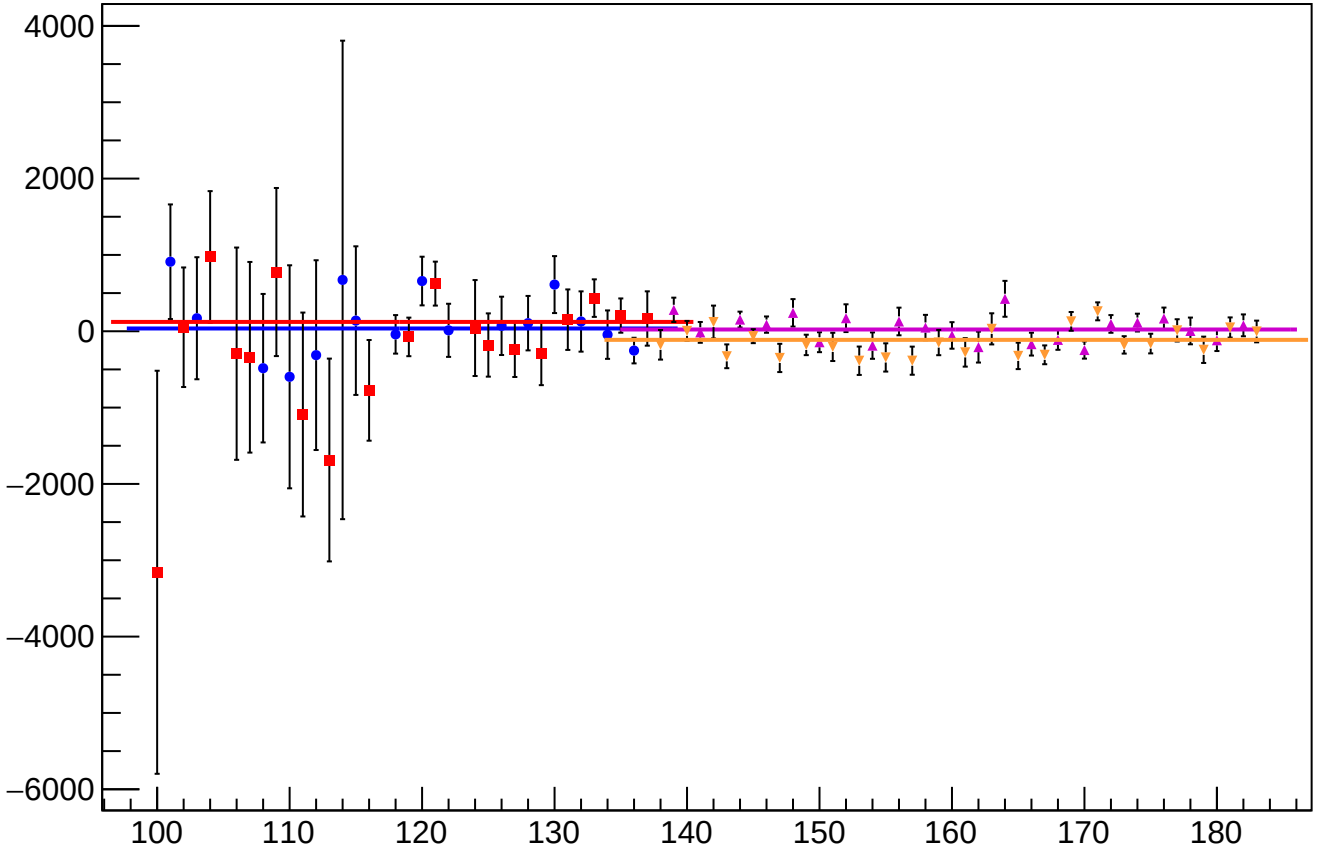
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 40.685+/-0.006 χ^2/NDF:2659397.5/37

Out: 40.685+/-0.006 χ^2/NDF:3127582.9/42

All: 40.685+/-0.004 χ^2/NDF: 5786980.3/80

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: -112.682+/-29.864 χ^2/NDF:35.5/23

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: -46.070+/-21.316 χ^2/NDF: 71.8/45

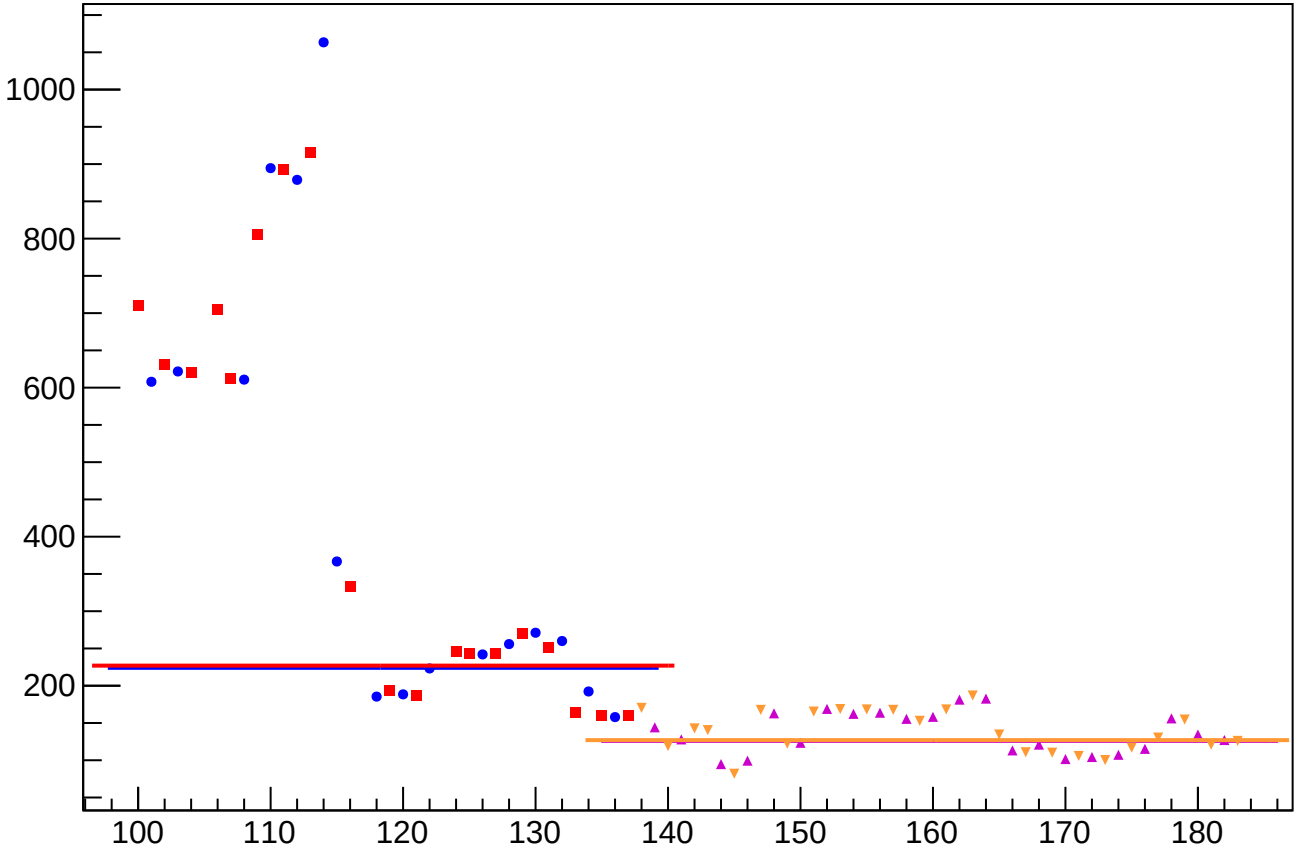
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 24.373+/-28.941 χ^2/NDF:37.6/37

Out: -91.896+/-28.512 χ^2/NDF:56.6/42

All: -34.630+/-20.311 χ^2/NDF: 102.4/80

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.975+/-0.021 χ^2/NDF:1738957.1/23

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 125.964+/-0.022 χ^2/NDF:1410342.9/21

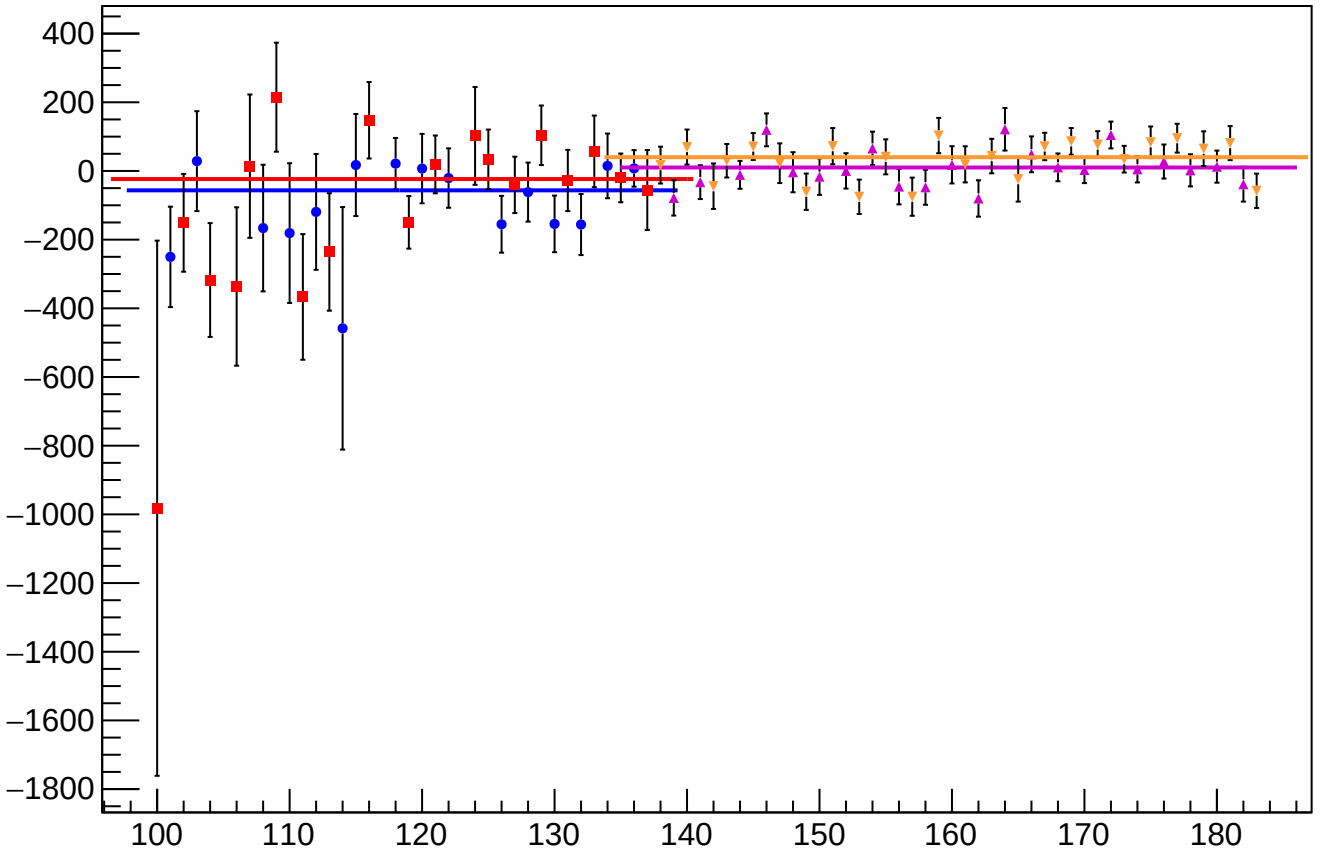
Left: 126.479+/-0.015 χ^2/NDF: 3150424.0/45

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.348+/-0.020 χ^2/NDF:6365794.9/37

Out: 135.821+/-0.020 χ^2/NDF:7294497.2/42

All: 135.588+/-0.014 χ^2/NDF: 13660562.4/80



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 40.045+/-9.816 χ^2/NDF:29.4/23

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: 25.583+/-7.057 χ^2/NDF: 60.9/45

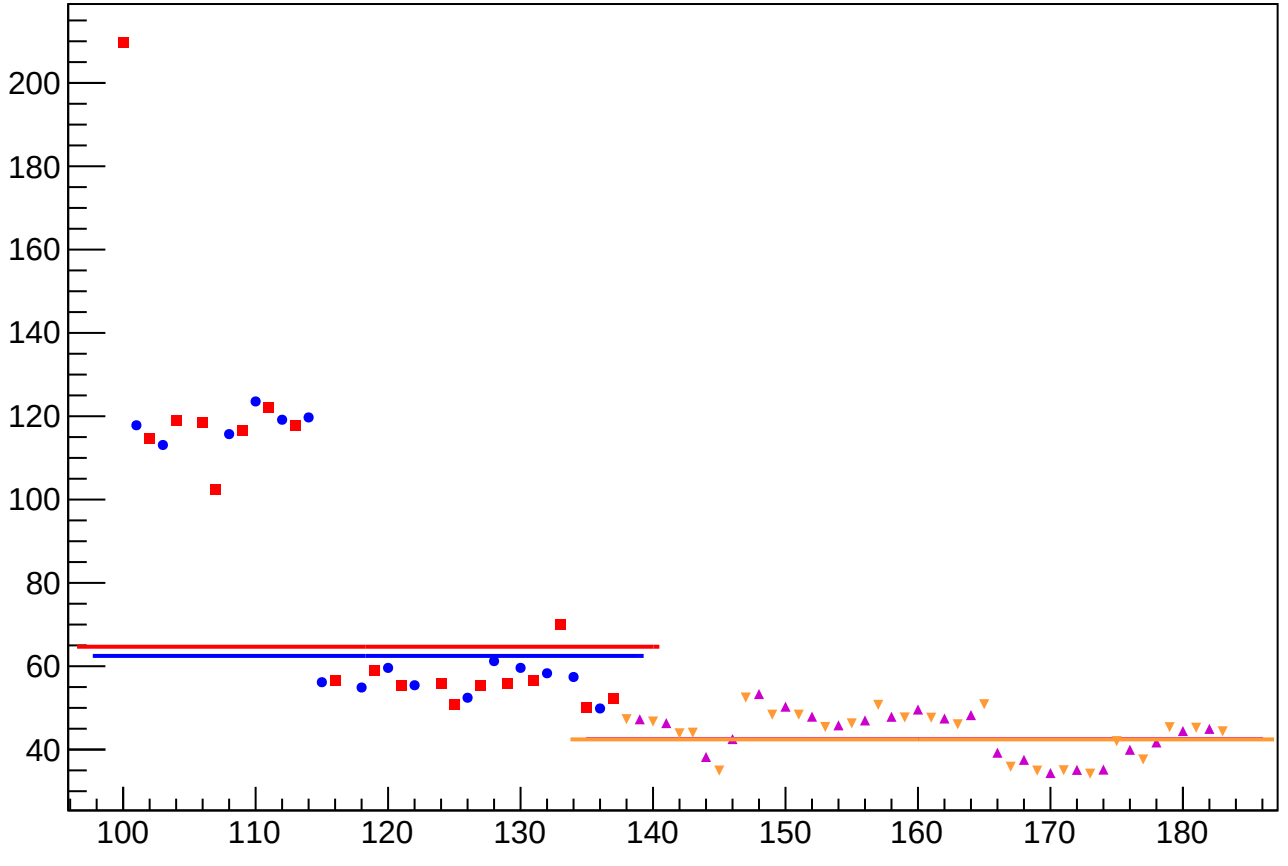
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: 0.356+/-9.379 χ^2/NDF:45.5/37

Out: 31.651+/-9.145 χ^2/NDF:59.1/42

All: 16.399+/-6.547 χ^2/NDF: 110.3/80

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.440+/-0.007 χ^2/NDF:698487.7/23

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: 42.489+/-0.005 χ^2/NDF: 1286576.4/45

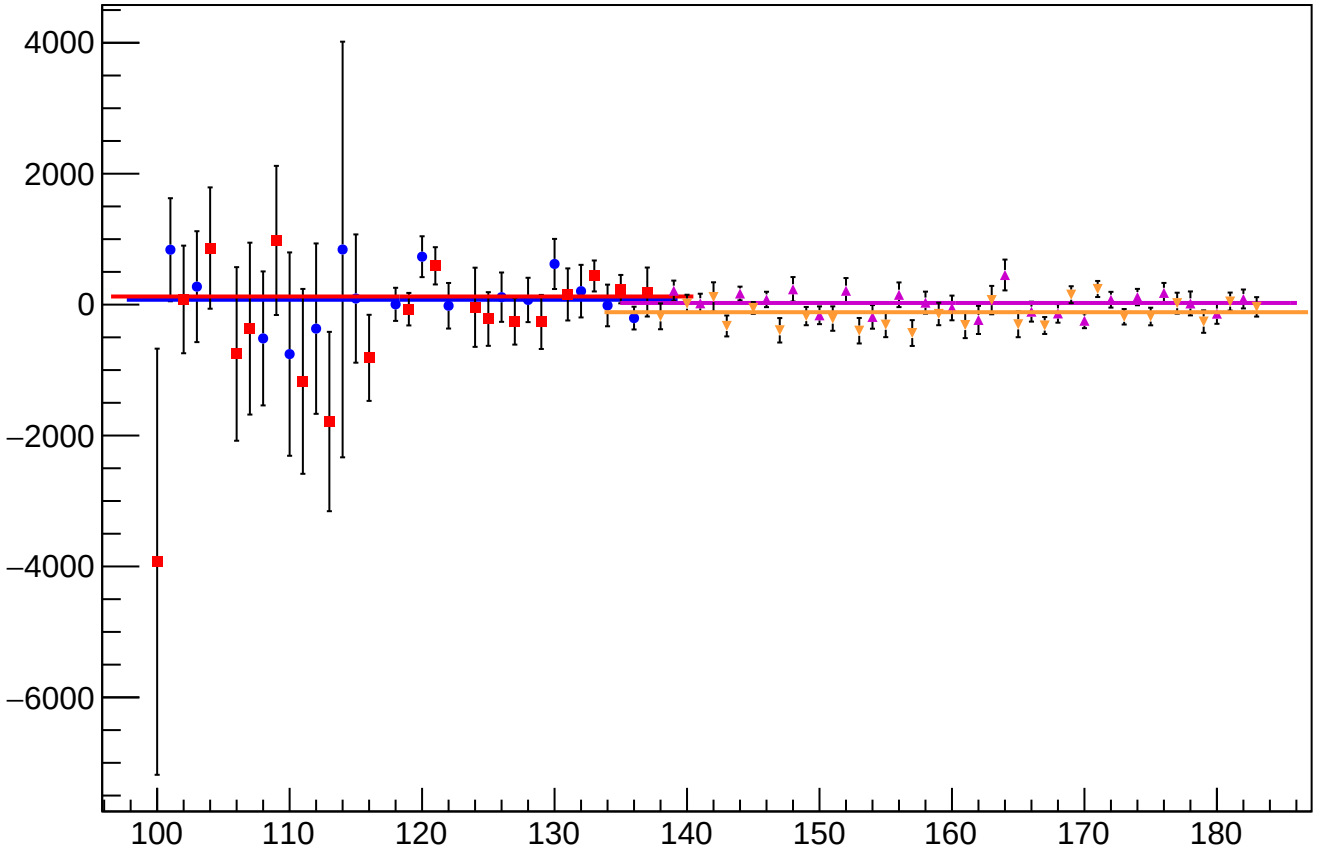
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 45.464+/-0.007 χ^2/NDF:3066982.3/37

Out: 45.378+/-0.006 χ^2/NDF:3645204.8/42

All: 45.420+/-0.005 χ^2/NDF: 6712274.4/80

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: -115.762+/-31.015 χ^2/NDF:34.1/23

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: -46.961+/-22.201 χ^2/NDF: 69.3/45

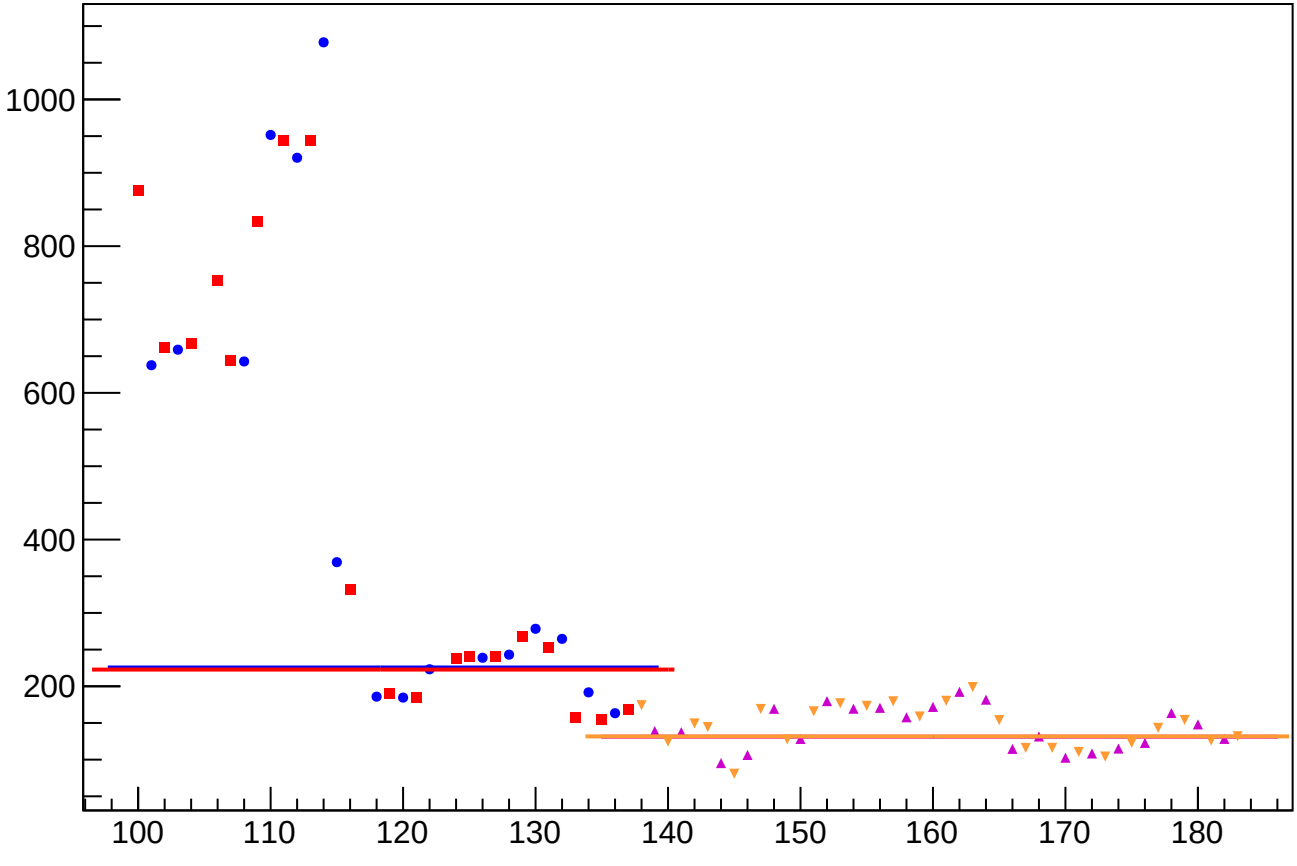
Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 30.317+/-30.134 χ^2/NDF:36.5/37

Out: -92.501+/-29.474 χ^2/NDF:56.2/42

All: -32.452+/-21.071 χ^2/NDF: 101.3/80

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: 131.675+/-0.022 χ^2/NDF:1899748.9/23

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 131.262+/-0.022 χ^2/NDF:1464293.5/21

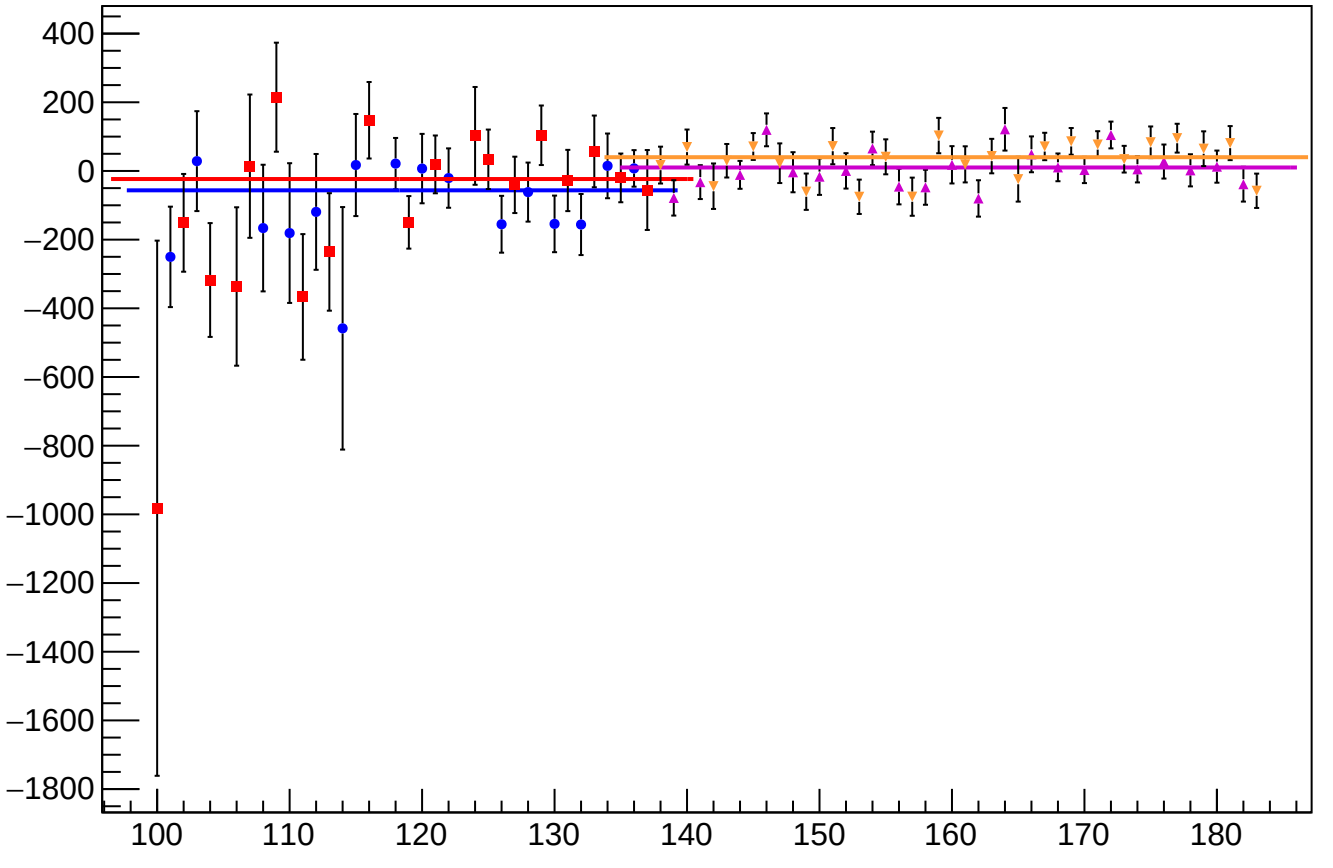
Left: 131.473+/-0.016 χ^2/NDF: 3364215.3/45

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 140.857+/-0.021 χ^2/NDF:6281595.8/37

Out: 140.507+/-0.021 χ^2/NDF:7420966.8/42

All: 140.678+/-0.015 χ^2/NDF: 13702701.0/80



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 40.046+/-9.816 χ^2/NDF:29.4/23

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 10.113+/-10.153 χ^2/NDF:27.0/21

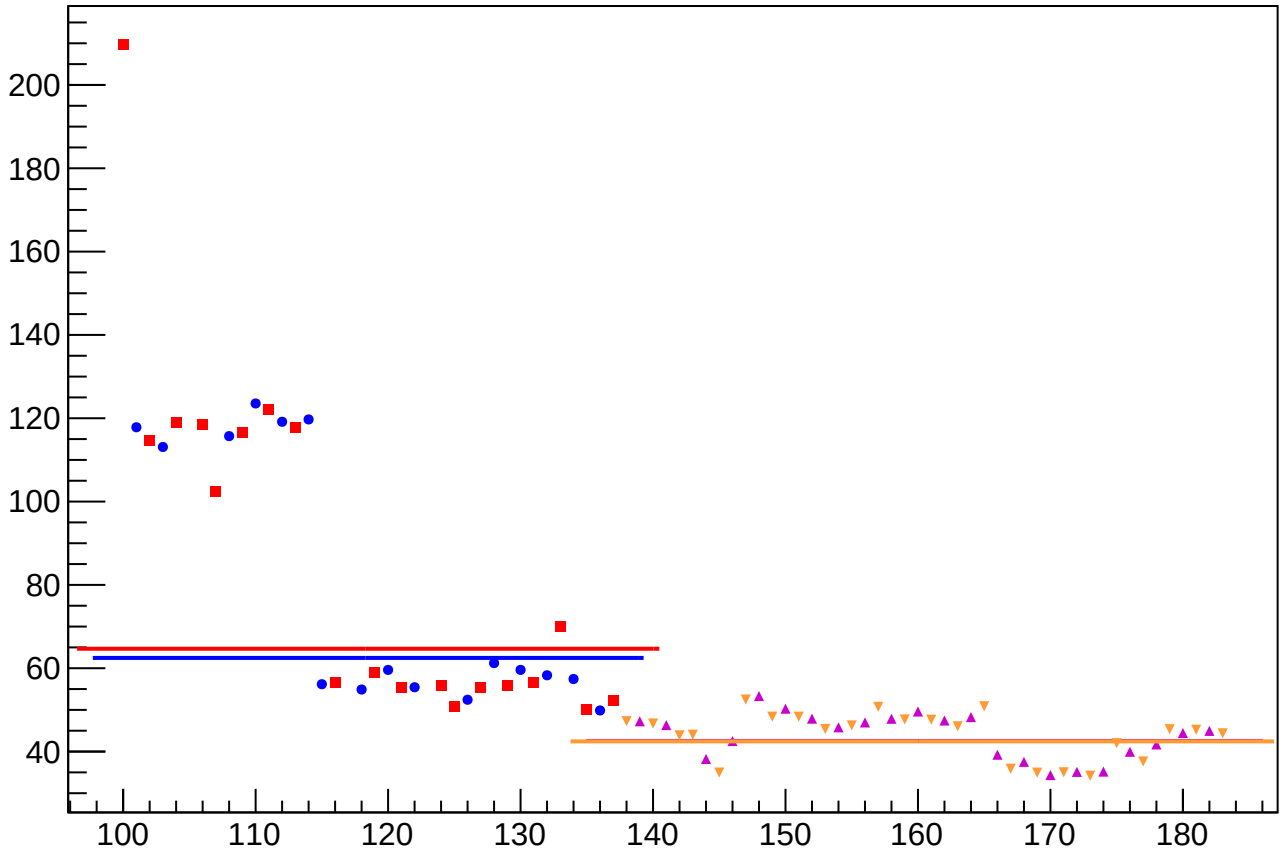
Left: 25.584+/-7.057 χ^2/NDF: 60.9/45

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: 0.355+/-9.379 χ^2/NDF:45.5/37

Out: 31.652+/-9.145 χ^2/NDF:59.1/42

All: 16.399+/-6.547 χ^2/NDF: 110.3/80



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.440+/-0.007 χ^2/NDF:698505.9/23

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: 42.489+/-0.005 χ^2/NDF: 1286599.2/45

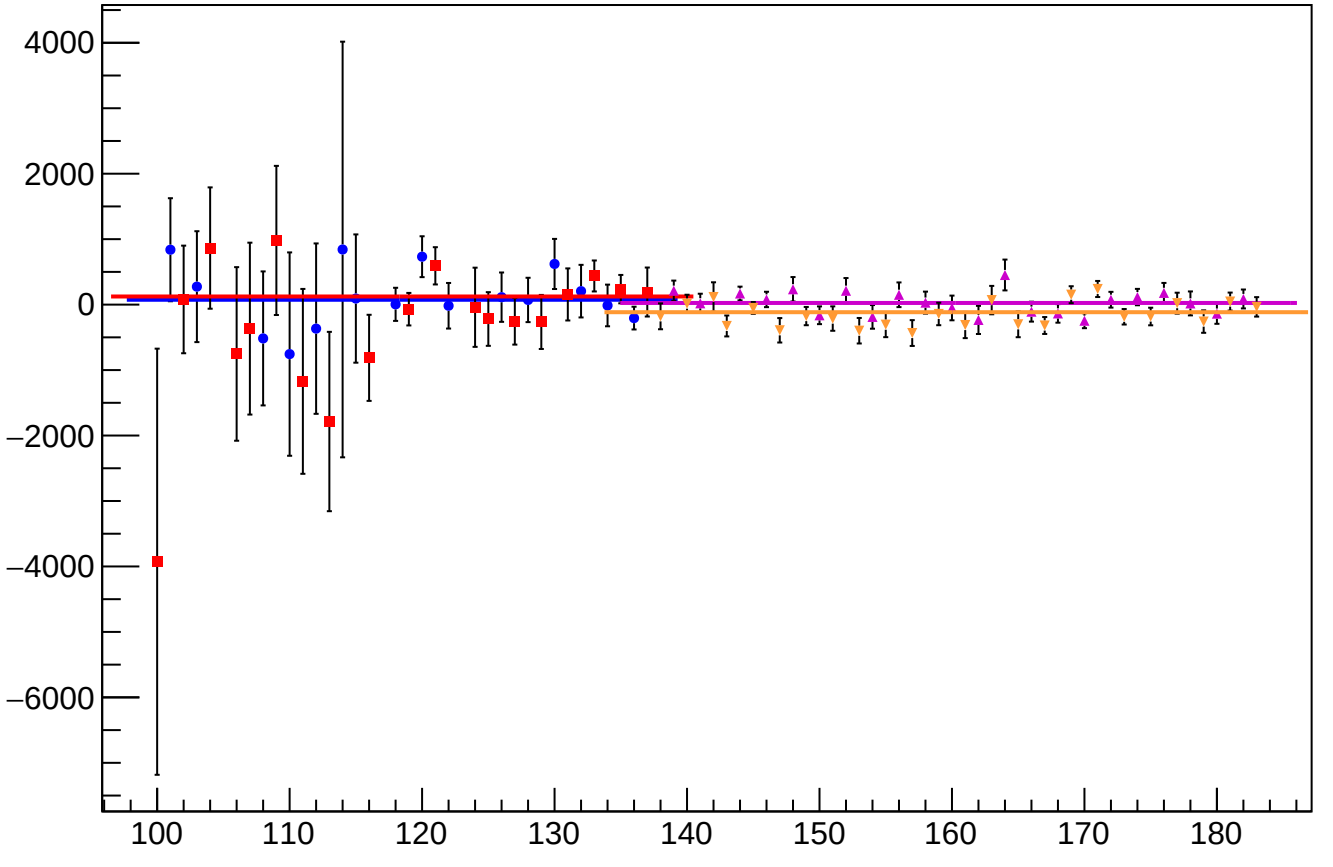
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 45.464+/-0.007 χ^2/NDF:3066916.7/37

Out: 45.378+/-0.006 χ^2/NDF:3645179.6/42

All: 45.420+/-0.005 χ^2/NDF: 6712183.7/80

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: -115.762+/-31.015 χ^2/NDF:34.1/23

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: -46.961+/-22.201 χ^2/NDF: 69.3/45

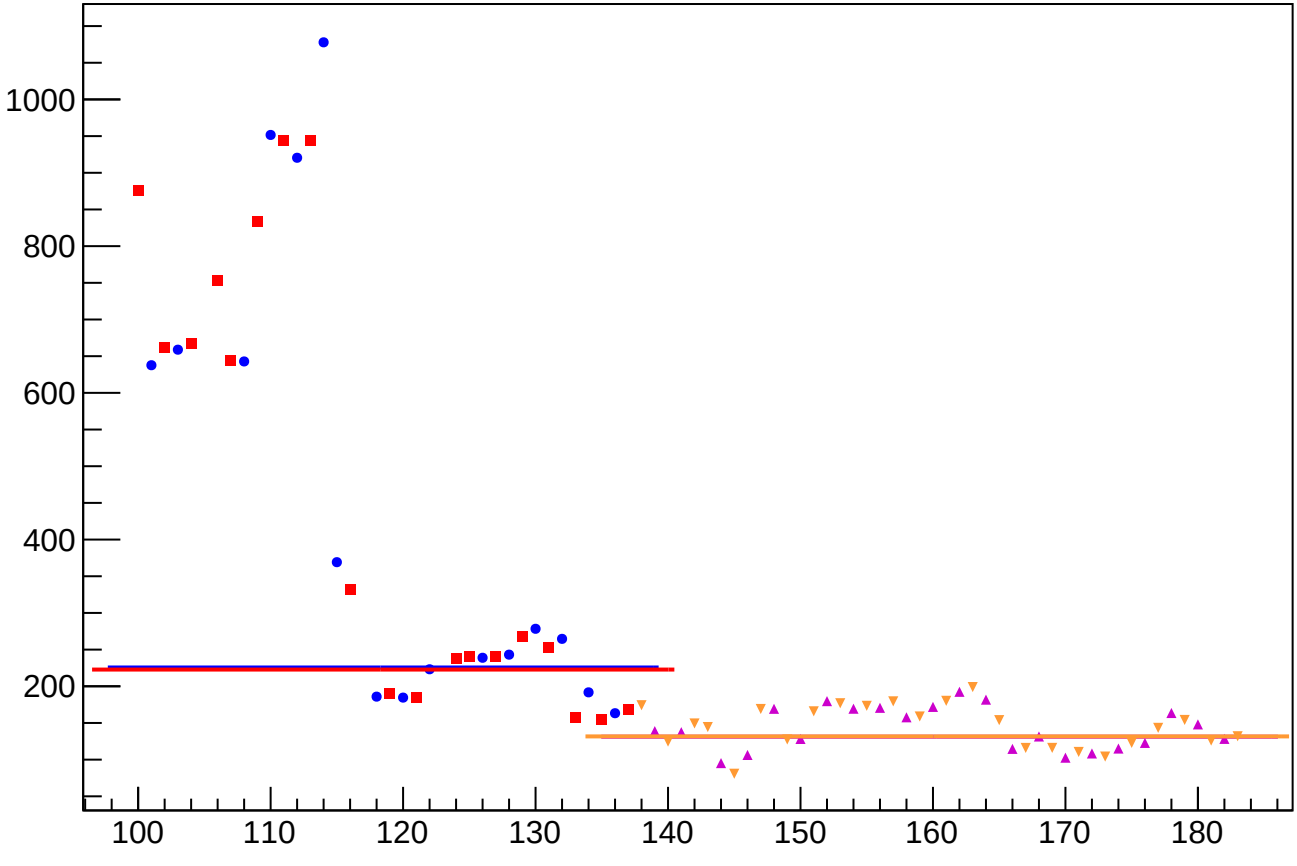
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 30.317+/-30.134 χ^2/NDF:36.5/37

Out: -92.501+/-29.474 χ^2/NDF:56.2/42

All: -32.452+/-21.071 χ^2/NDF: 101.3/80

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: 131.675+/-0.022 χ^2/NDF:1899741.3/23

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: 131.473+/-0.016 χ^2/NDF: 3364211.2/45

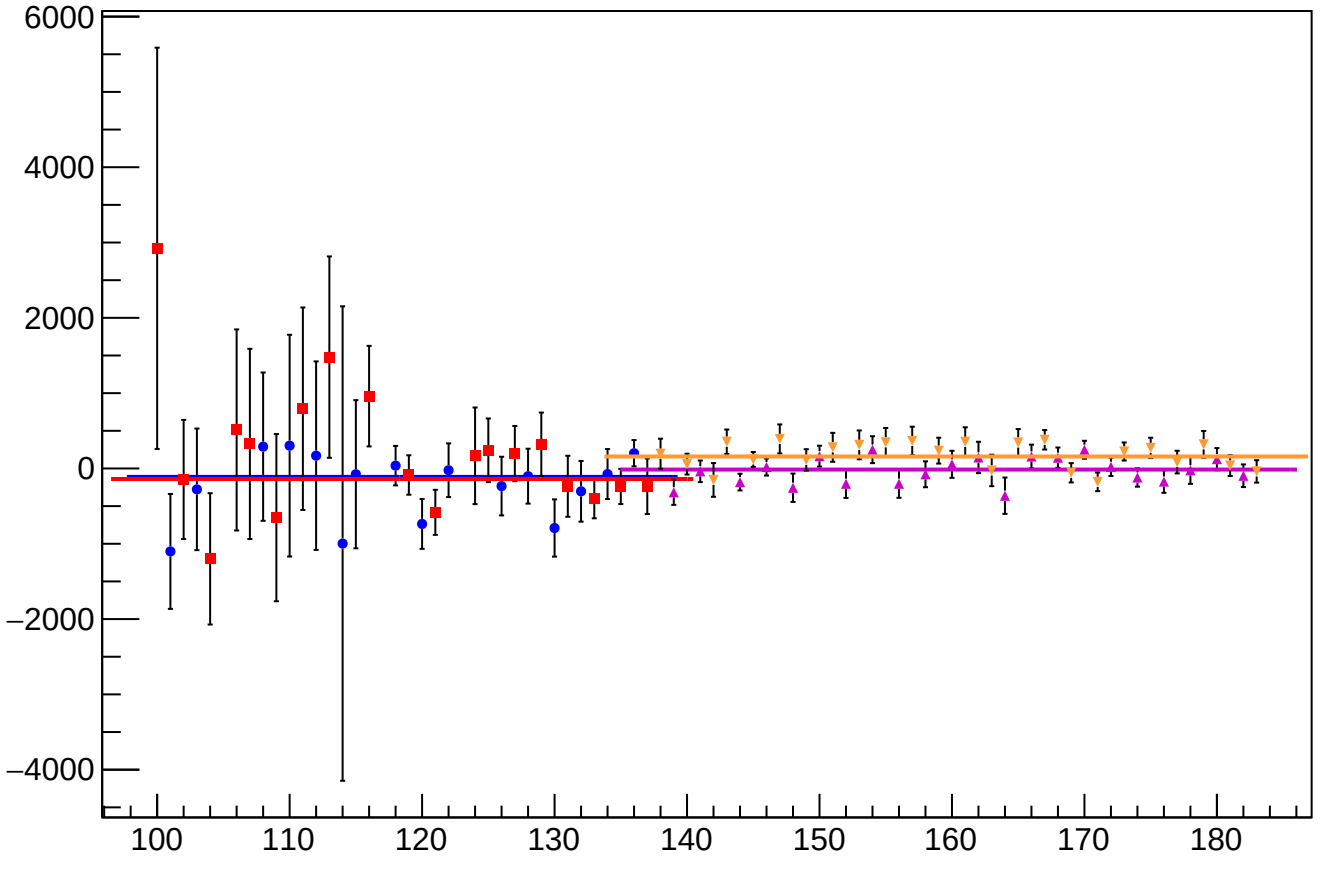
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 140.857+/-0.021 χ^2/NDF:6281580.0/37

Out: 140.507+/-0.021 χ^2/NDF:7420945.2/42

All: 140.678+/-0.015 χ^2/NDF: 13702663.5/80

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 158.984+/-31.262 χ^2/NDF:29.9/23

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -14.649+/-31.882 χ^2/NDF:26.7/21

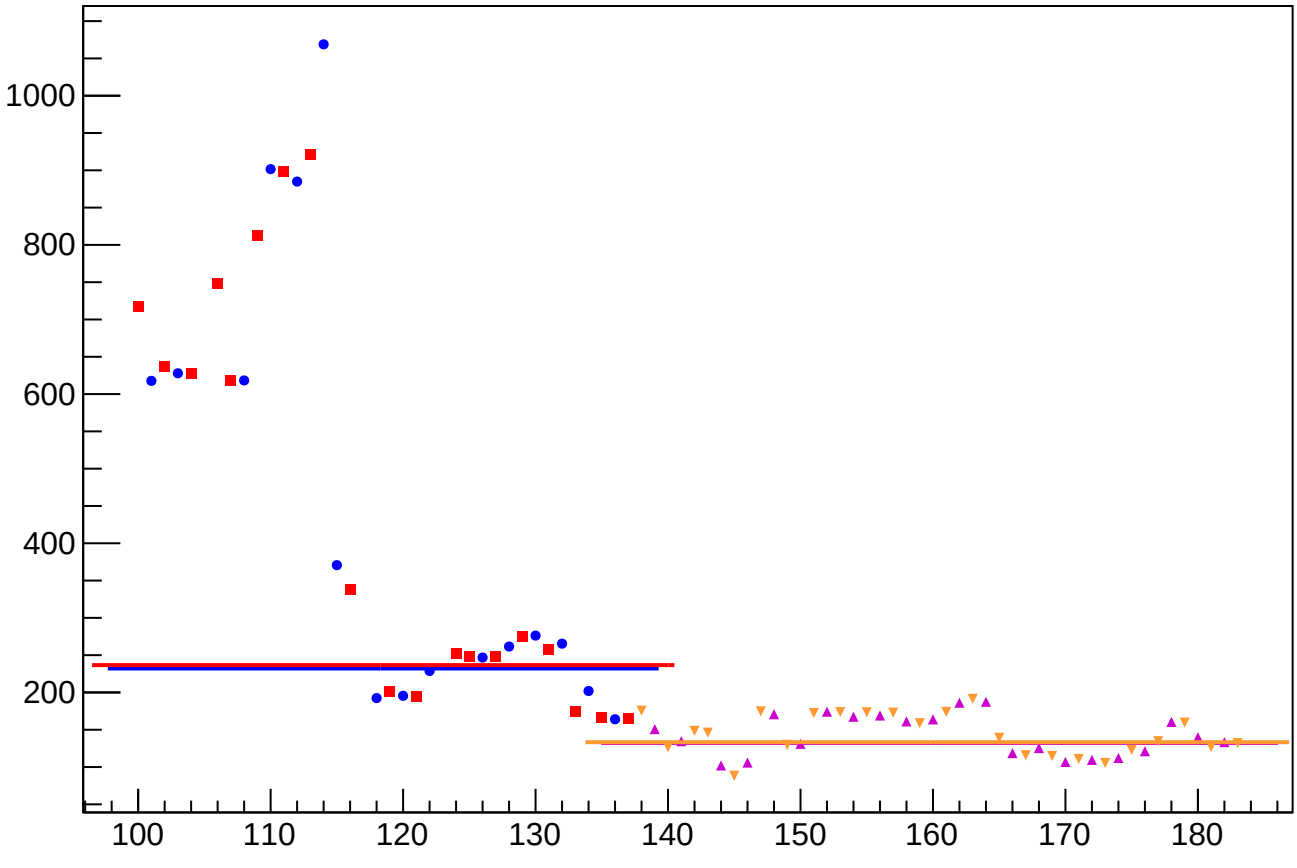
Left: 73.870+/-22.321 χ^2/NDF: 71.7/45

Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -24.212+/-30.274 χ^2/NDF:40.5/37

Out: 131.963+/-29.816 χ^2/NDF:52.8/42

All: 55.065+/-21.243 χ^2/NDF: 106.8/80



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 133.296+/-0.022 χ^2/NDF:1574045.5/23

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 132.295+/-0.023 χ^2/NDF:1277495.5/21

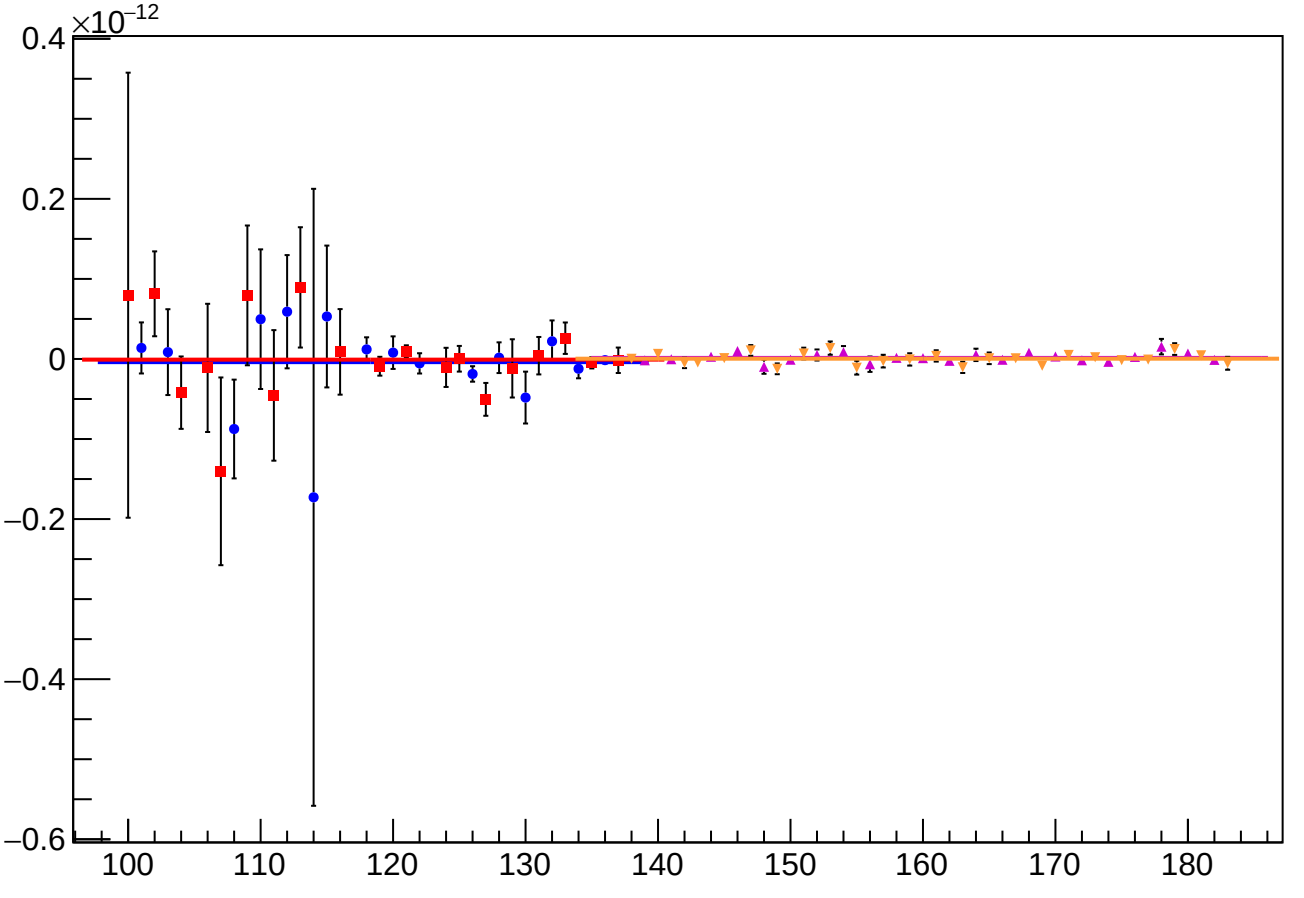
Left: 132.805+/-0.016 χ^2/NDF: 2852546.1/45

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 142.108+/-0.021 χ^2/NDF:6090263.1/37

Out: 142.637+/-0.021 χ^2/NDF:7070783.9/42

All: 142.377+/-0.015 χ^2/NDF: 13161357.5/80



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.0/23

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: 42.3/45

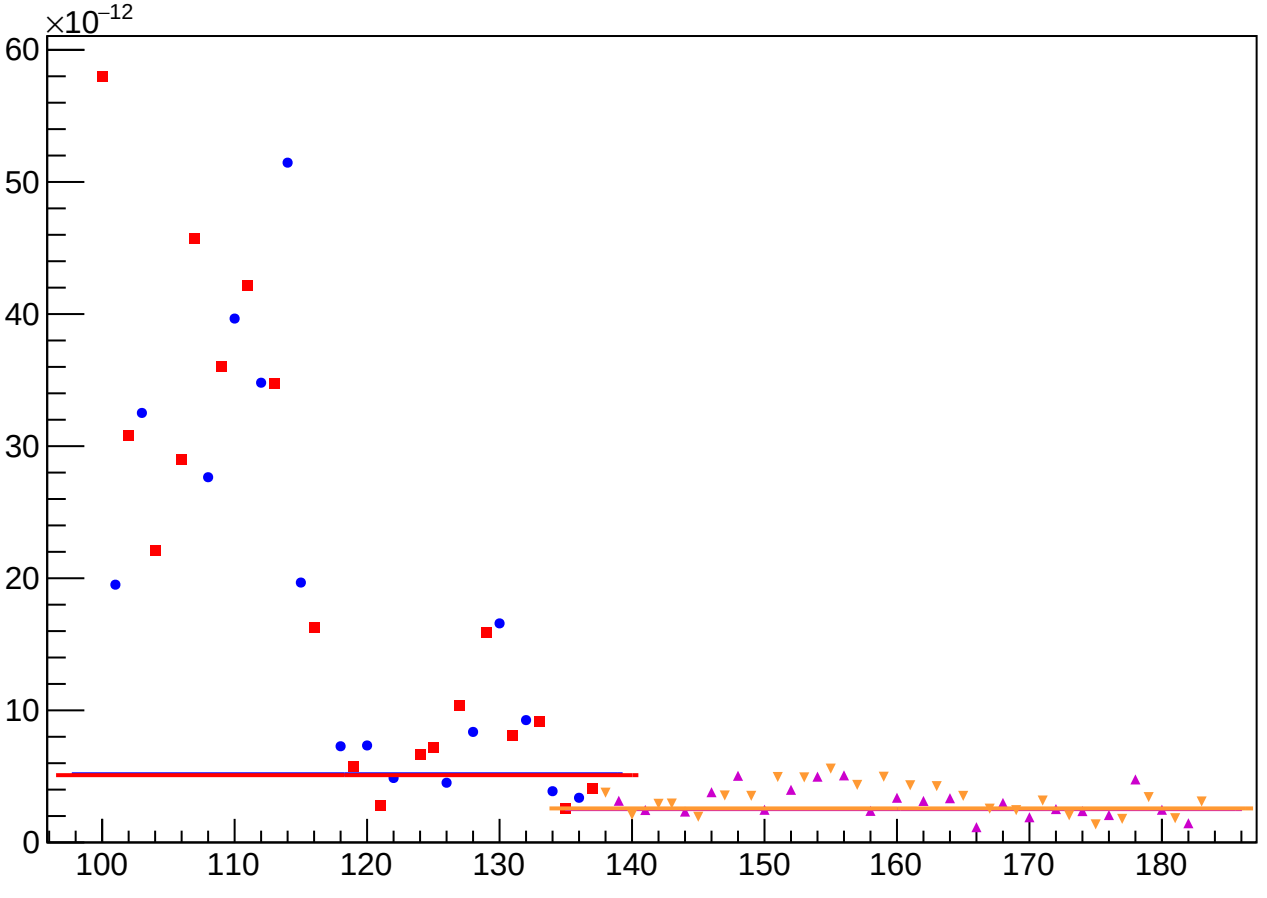
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:28.2/37

Out: 0.000+/-0.000 χ^2/NDF:45.2/42

All: 0.000+/-0.000 χ^2/NDF: 73.6/80

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:2159405.8/23

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: 3679420.4/45

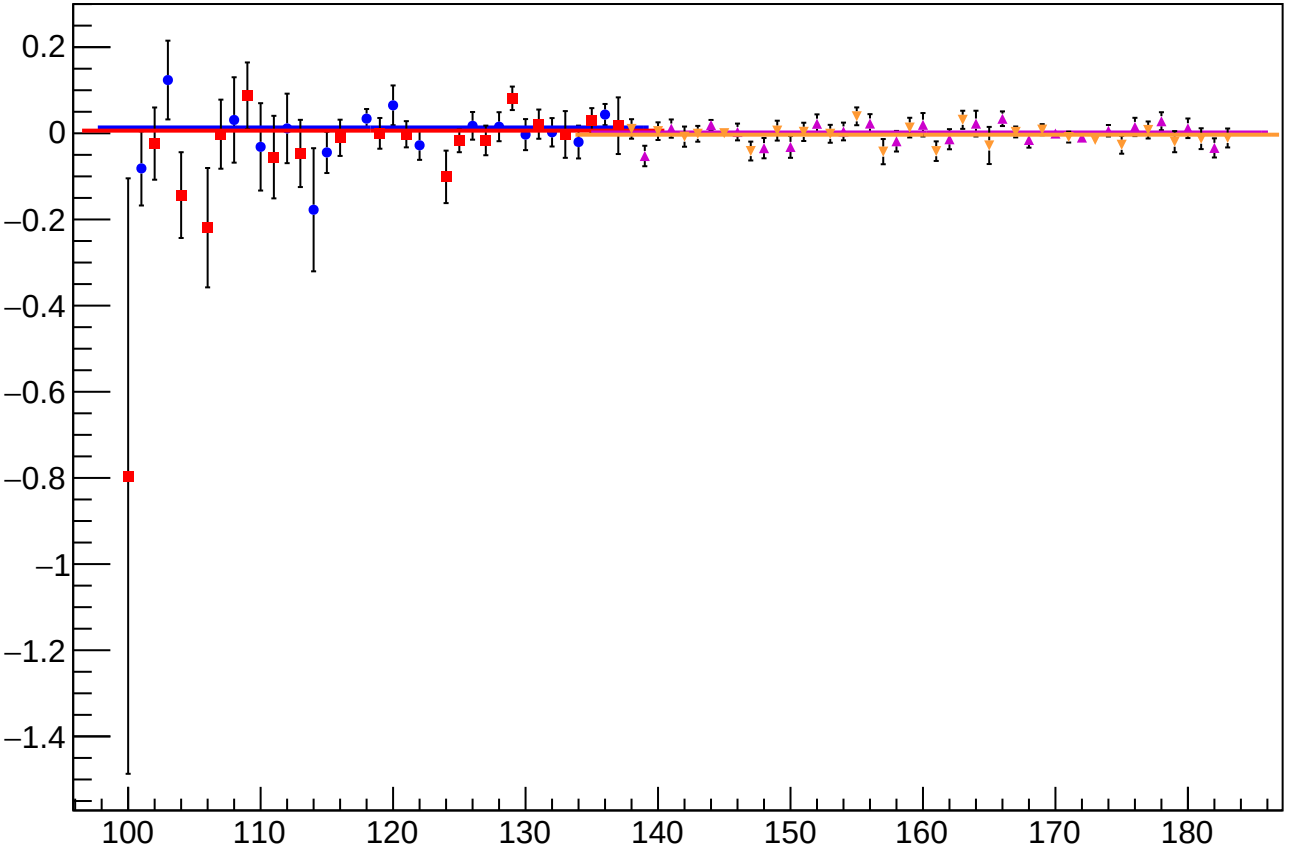
Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:5090204.6/37

Out: 0.000+/-0.000 χ^2/NDF:6155852.7/42

All: 0.000+/-0.000 χ^2/NDF: 11246124.2/80

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:21.0/23

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: 48.1/45

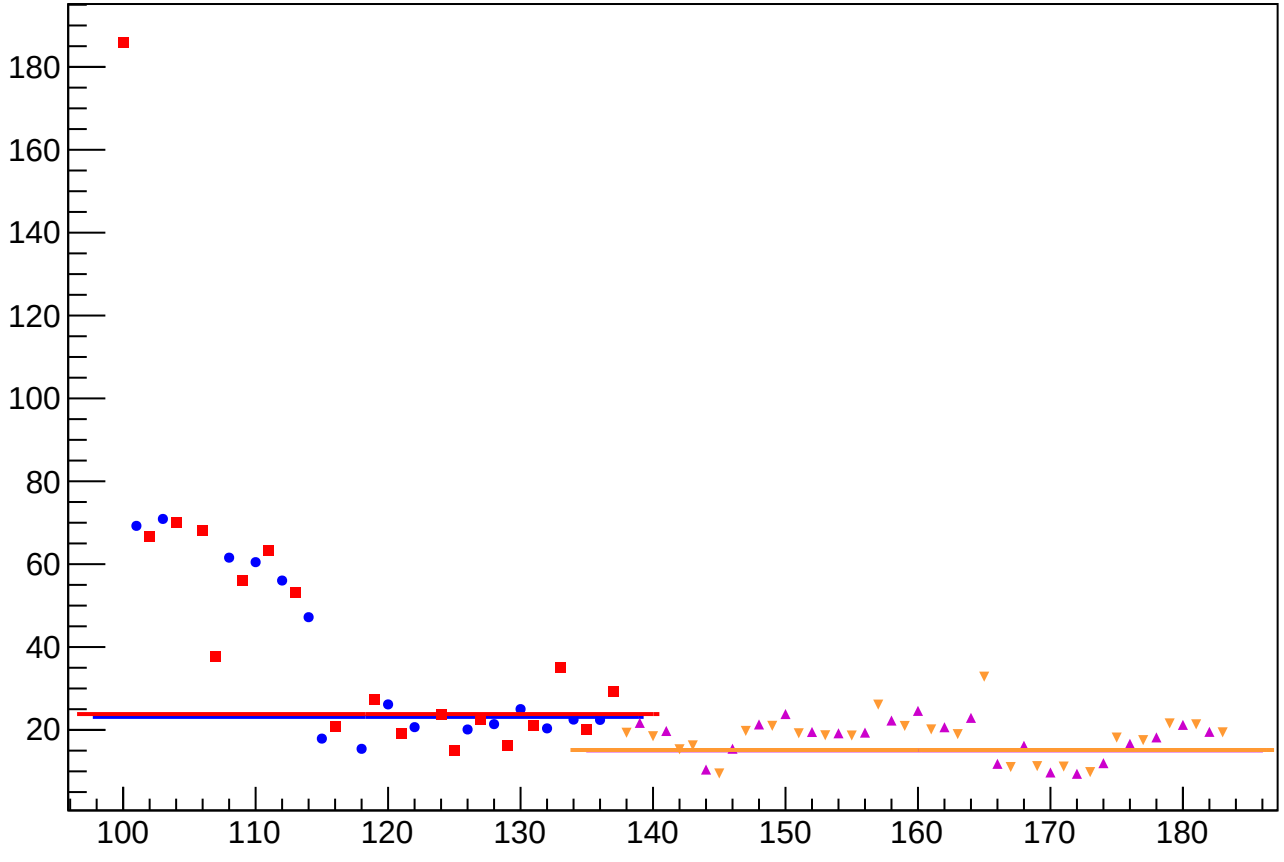
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:39.7/37

Out: -0.002+/-0.003 χ^2/NDF:43.3/42

All: 0.001+/-0.002 χ^2/NDF: 84.1/80

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: 15.152+/-0.003 χ^2/NDF:3394863.3/23

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.064+/-0.003 χ^2/NDF:3368192.9/21

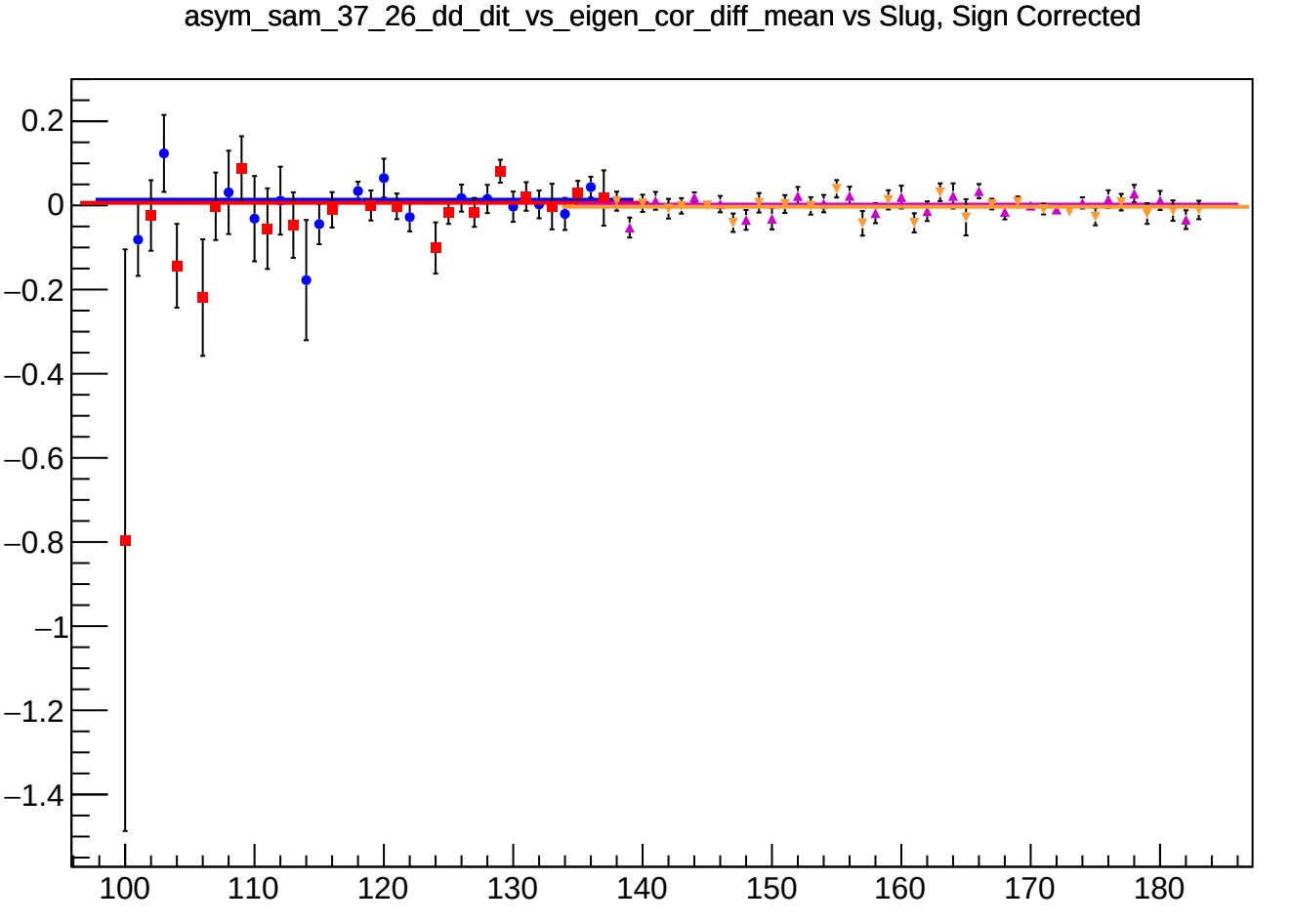
Left: 15.110+/-0.002 χ^2/NDF: 6763598.3/45

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

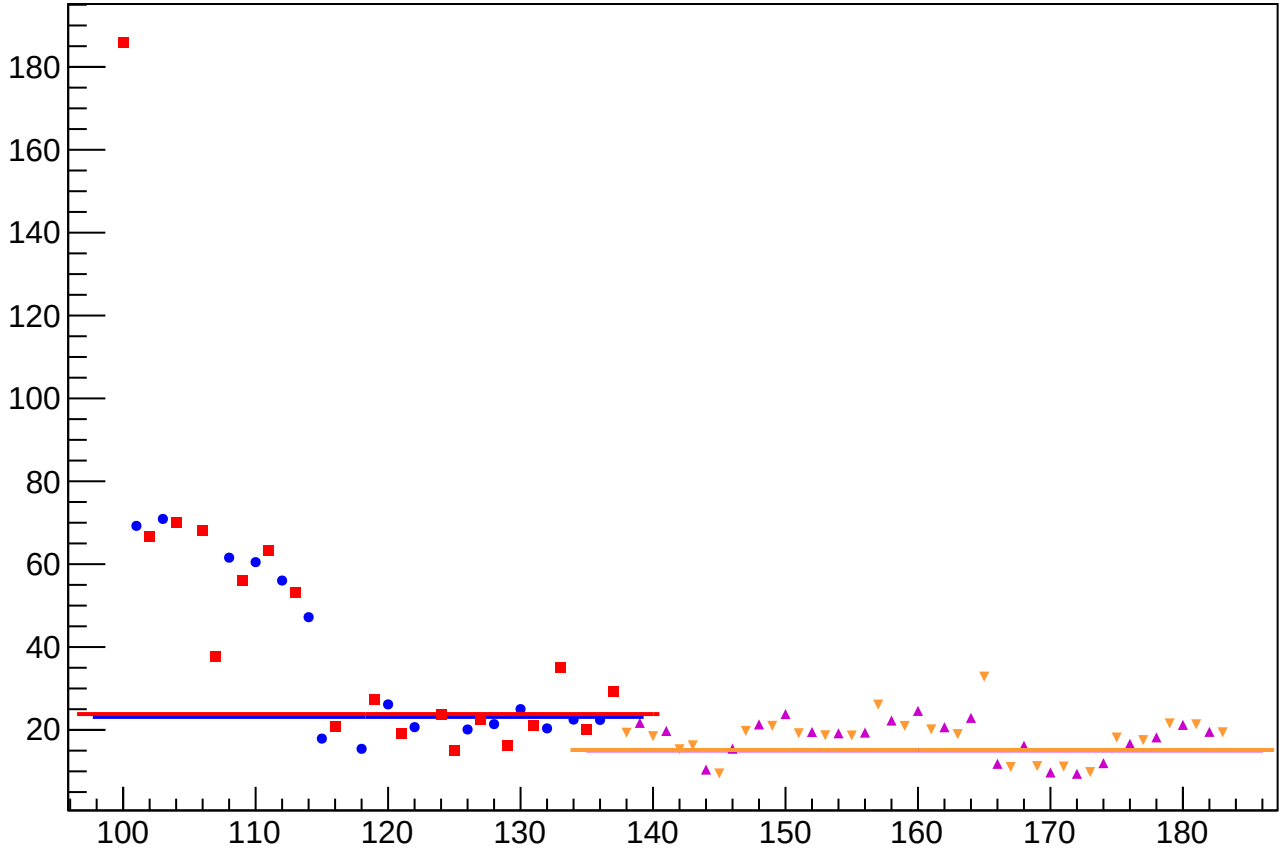
In: 16.134+/-0.003 χ^2/NDF:6943331.3/37

Out: 16.194+/-0.002 χ^2/NDF:7599711.7/42

All: 16.165+/-0.002 χ^2/NDF: 14543327.2/80


asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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: 0.014+/-0.010 χ²/NDF: 12.3/15
Left Out: -0.003+/-0.004 χ²/NDF:21.0/23
Right Out: 0.006+/-0.010 χ²/NDF: 21.5/18
Left In: 0.002+/-0.004 χ²/NDF:26.1/21
Left: -0.001+/-0.003 χ²/NDF: 48.1/45
Right: 0.010+/-0.007 χ²/NDF: 34.1/34
In: 0.003+/-0.004 χ²/NDF:39.7/37
Out: -0.002+/-0.003 χ²/NDF:43.3/42
All: 0.001+/-0.002 χ²/NDF: 84.1/80

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: 15.152+/-0.003 χ^2/NDF:3394863.3/23

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.064+/-0.003 χ^2/NDF:3368192.9/21

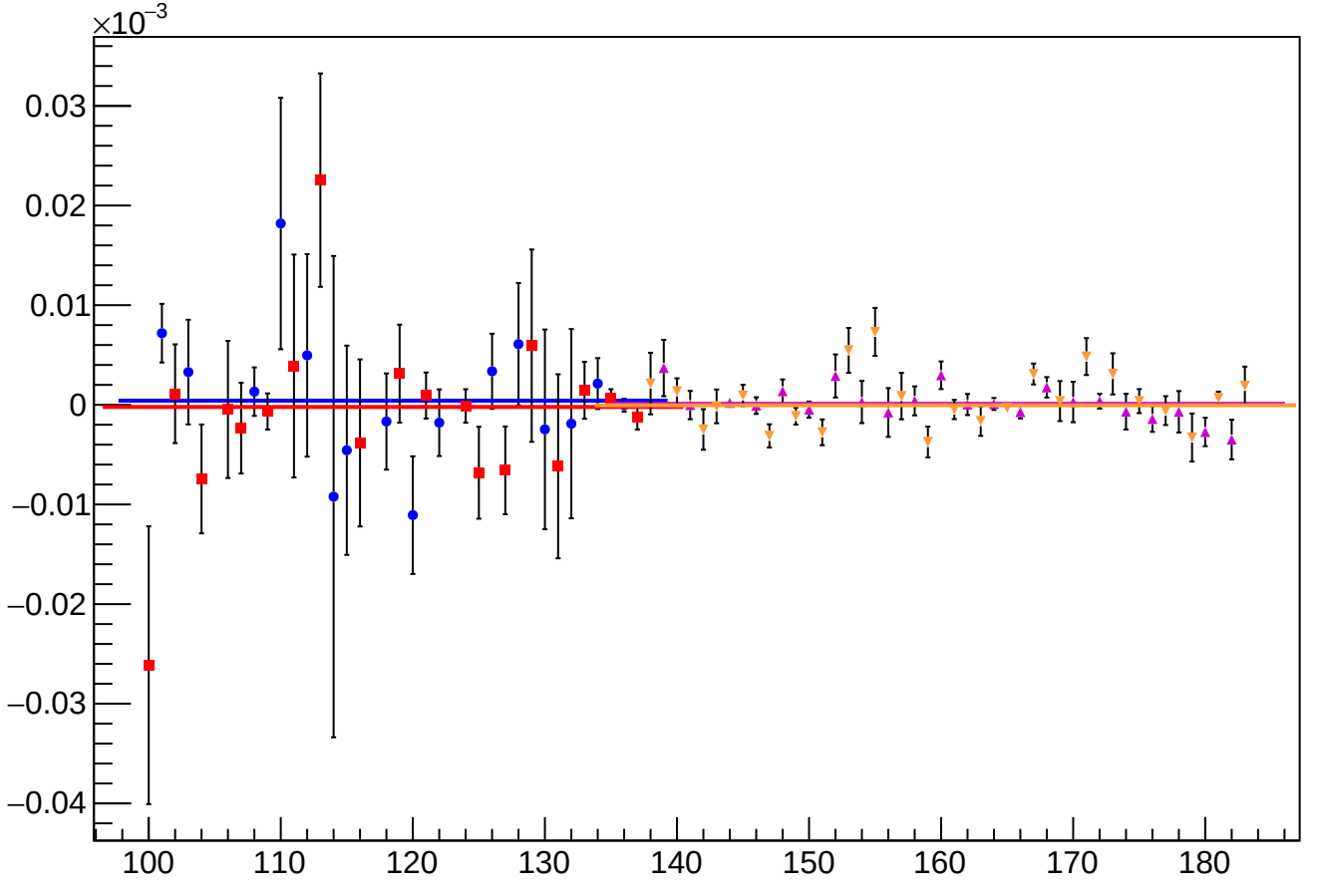
Left: 15.110+/-0.002 χ^2/NDF: 6763598.3/45

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 16.134+/-0.003 χ^2/NDF:6943331.3/37

Out: 16.194+/-0.002 χ^2/NDF:7599711.7/42

All: 16.165+/-0.002 χ^2/NDF: 14543327.2/80



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:23.0/21

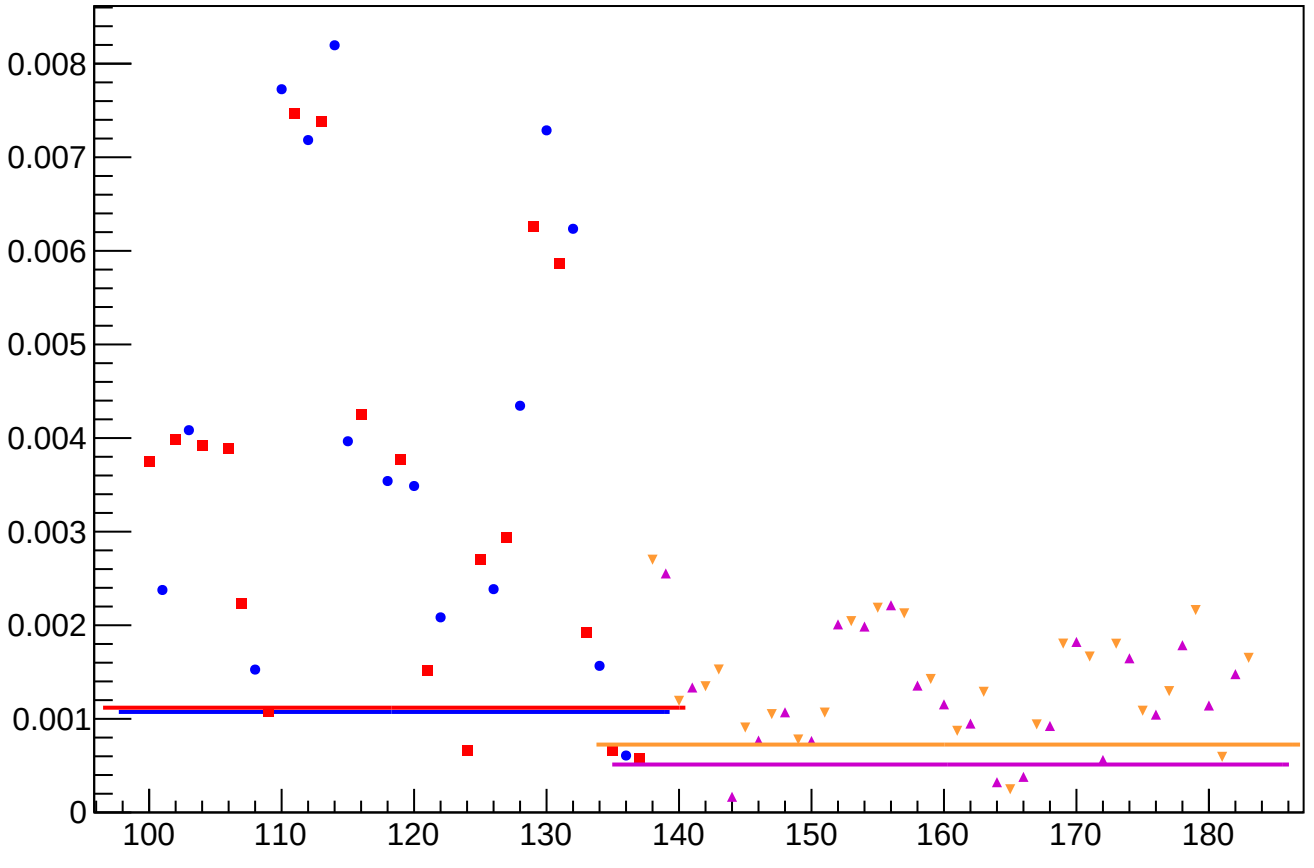
Left: 0.000+/-0.000 χ^2/NDF: 86.1/45

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:80.8/42

All: 0.000+/-0.000 χ^2/NDF: 119.9/80



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:12991099.4/23

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.001+/-0.000 χ^2/NDF:14781594.1/21

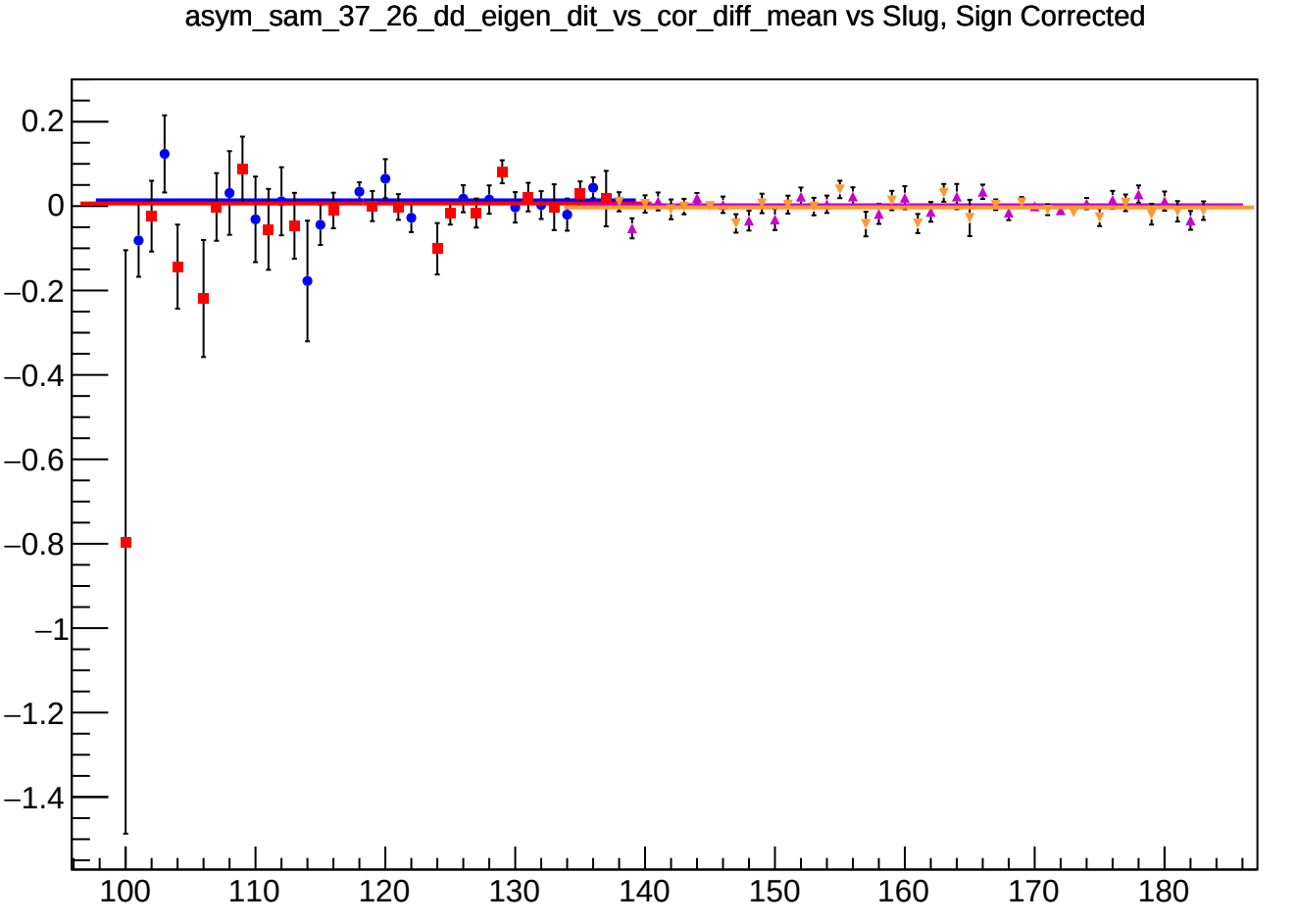
Left: 0.001+/-0.000 χ^2/NDF: 28995901.8/45

Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

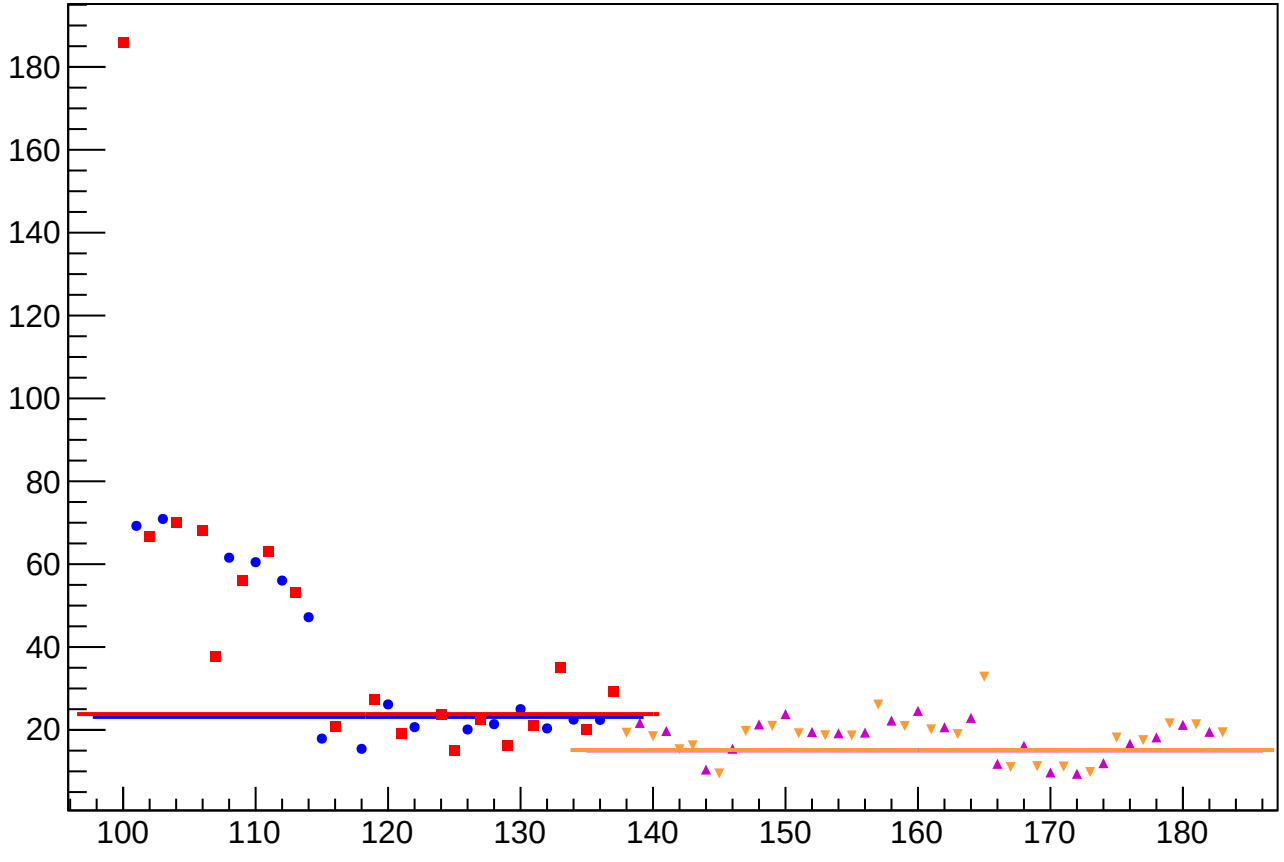
In: 0.001+/-0.000 χ^2/NDF:23651374.2/37

Out: 0.001+/-0.000 χ^2/NDF:20635135.4/42

All: 0.001+/-0.000 χ^2/NDF: 45613846.3/80


asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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: 0.014+/-0.010 χ²/NDF: 12.3/15
Left Out: -0.003+/-0.004 χ²/NDF:21.0/23
Right Out: 0.006+/-0.010 χ²/NDF: 21.5/18
Left In: 0.002+/-0.004 χ²/NDF:26.1/21
Left: -0.001+/-0.003 χ²/NDF: 48.1/45
Right: 0.010+/-0.007 χ²/NDF: 34.1/34
In: 0.003+/-0.004 χ²/NDF:39.7/37
Out: -0.002+/-0.003 χ²/NDF:43.3/42
All: 0.001+/-0.002 χ²/NDF: 84.1/80

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: 15.152+/-0.003 χ^2/NDF:3394967.0/23

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: 15.110+/-0.002 χ^2/NDF: 6763725.2/45

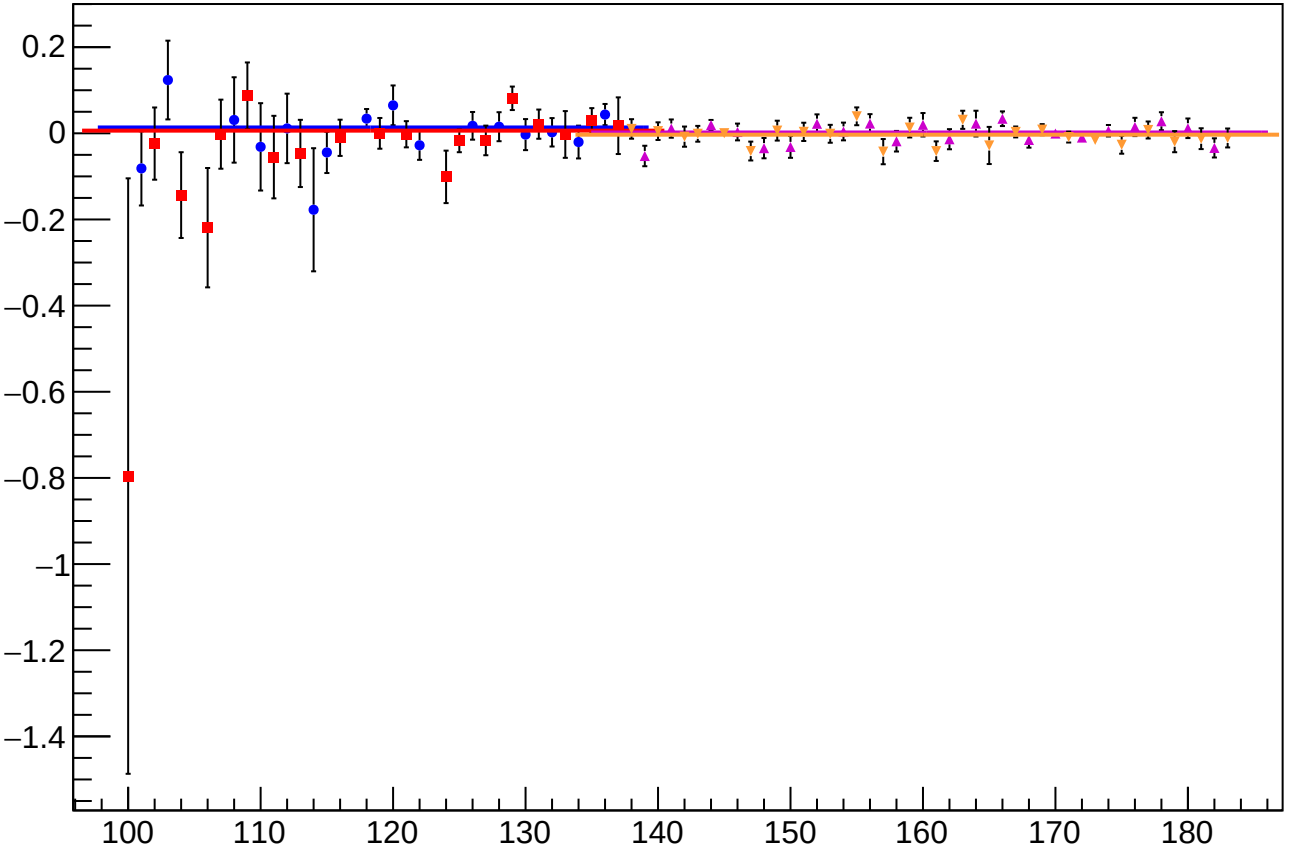
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 16.134+/-0.003 χ^2/NDF:6943085.9/37

Out: 16.194+/-0.002 χ^2/NDF:7599630.3/42

All: 16.165+/-0.002 χ^2/NDF: 14543000.6/80

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:21.0/23

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: 48.1/45

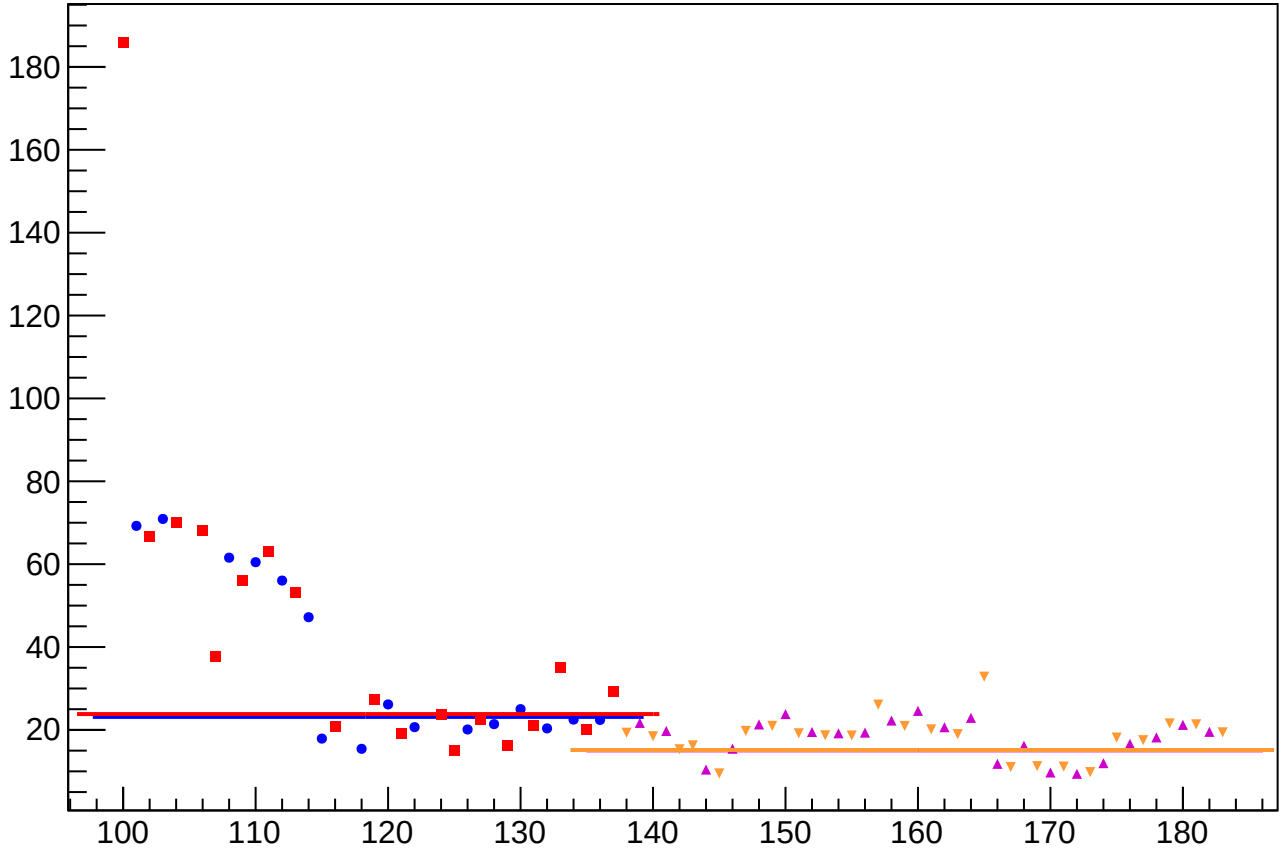
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:39.7/37

Out: -0.002+/-0.003 χ^2/NDF:43.3/42

All: 0.001+/-0.002 χ^2/NDF: 84.1/80

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: 15.152+/-0.003 χ^2/NDF:3394967.0/23

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.064+/-0.003 χ^2/NDF:3368216.5/21

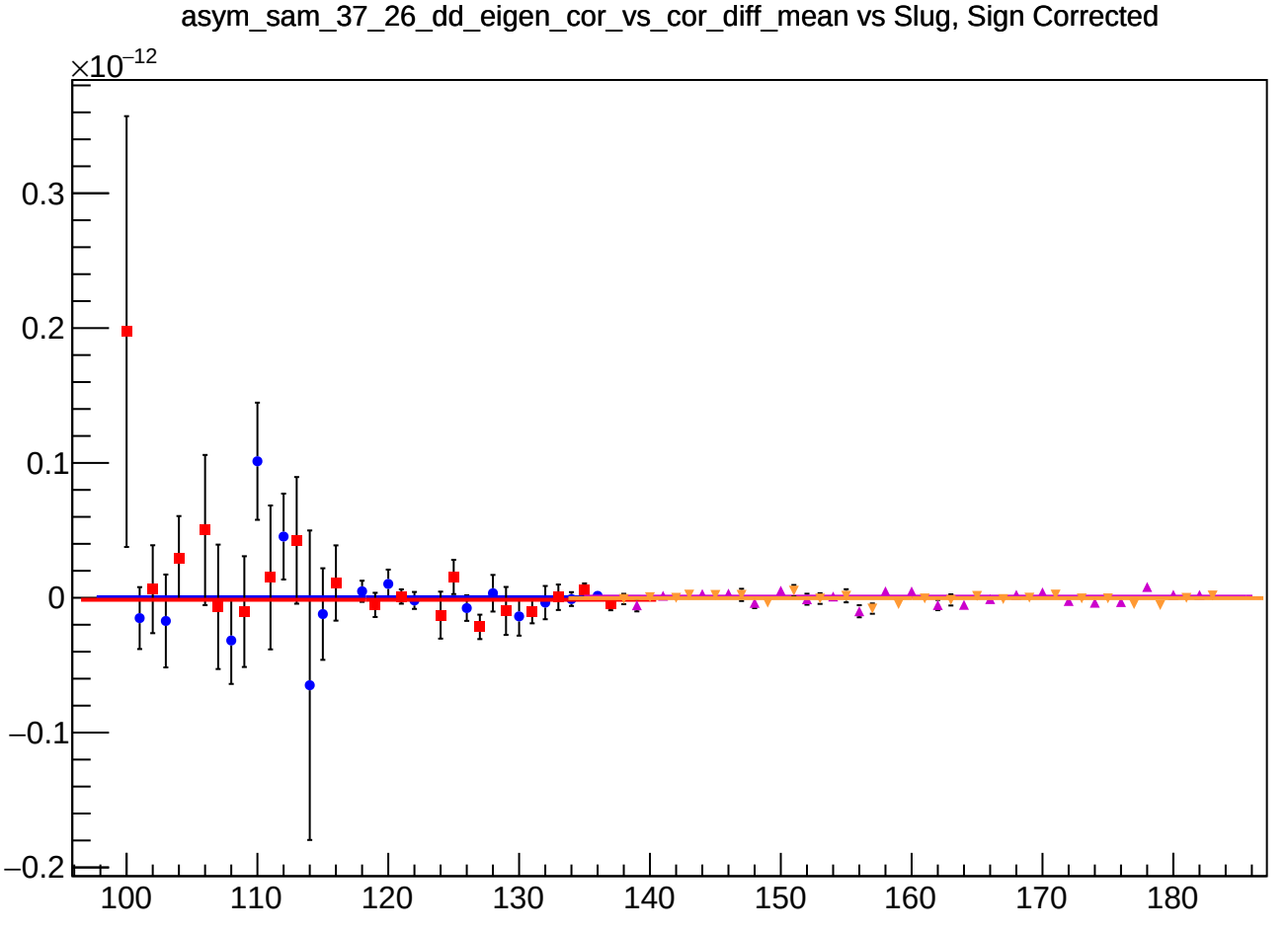
Left: 15.110+/-0.002 χ^2/NDF: 6763725.2/45

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 16.134+/-0.003 χ^2/NDF:6943085.9/37

Out: 16.194+/-0.002 χ^2/NDF:7599630.3/42

All: 16.165+/-0.002 χ^2/NDF: 14543000.6/80



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/23

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: 62.0/45

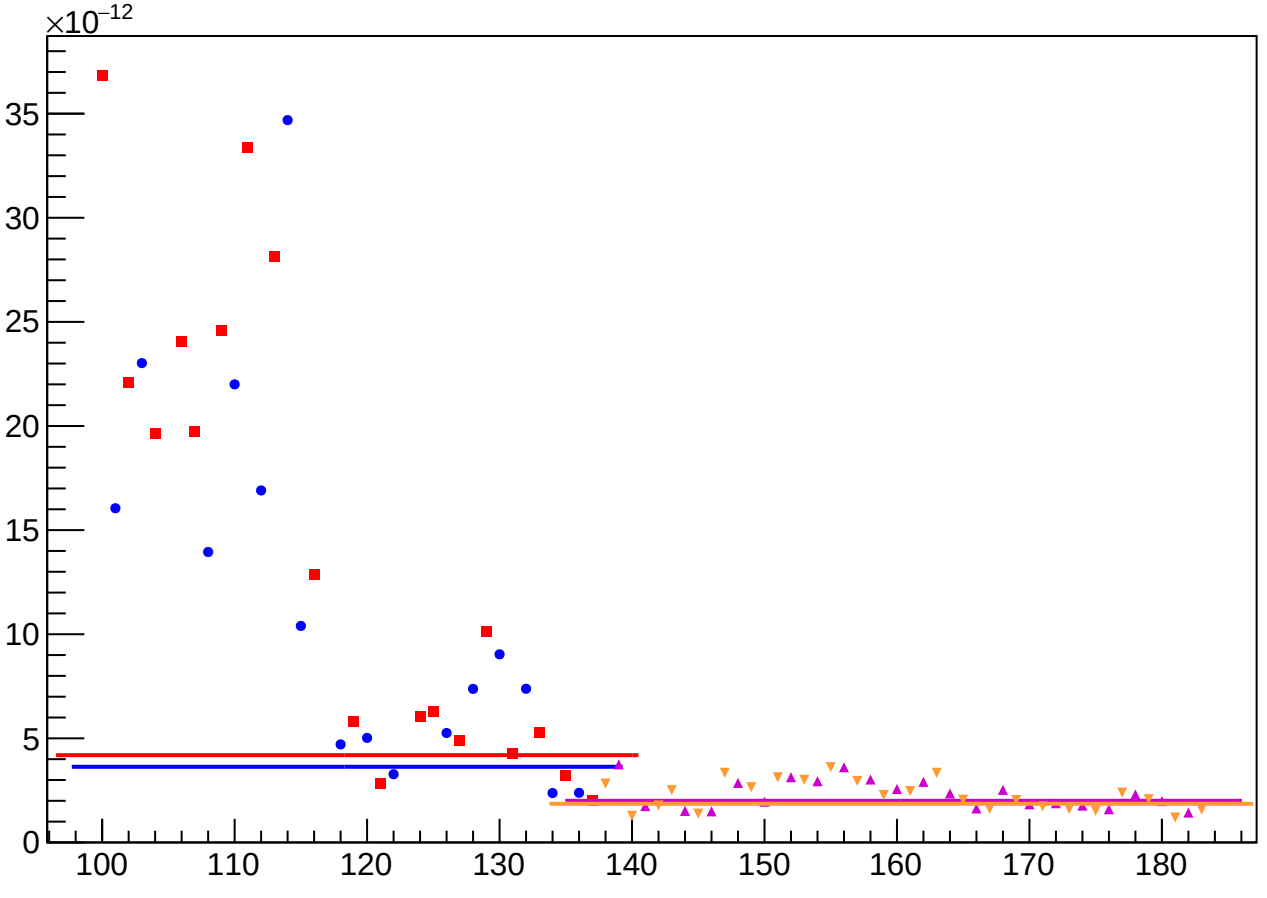
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:52.4/37

Out: -0.000+/-0.000 χ^2/NDF:36.4/42

All: 0.000+/-0.000 χ^2/NDF: 91.0/80

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2636934.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1940634.7/21

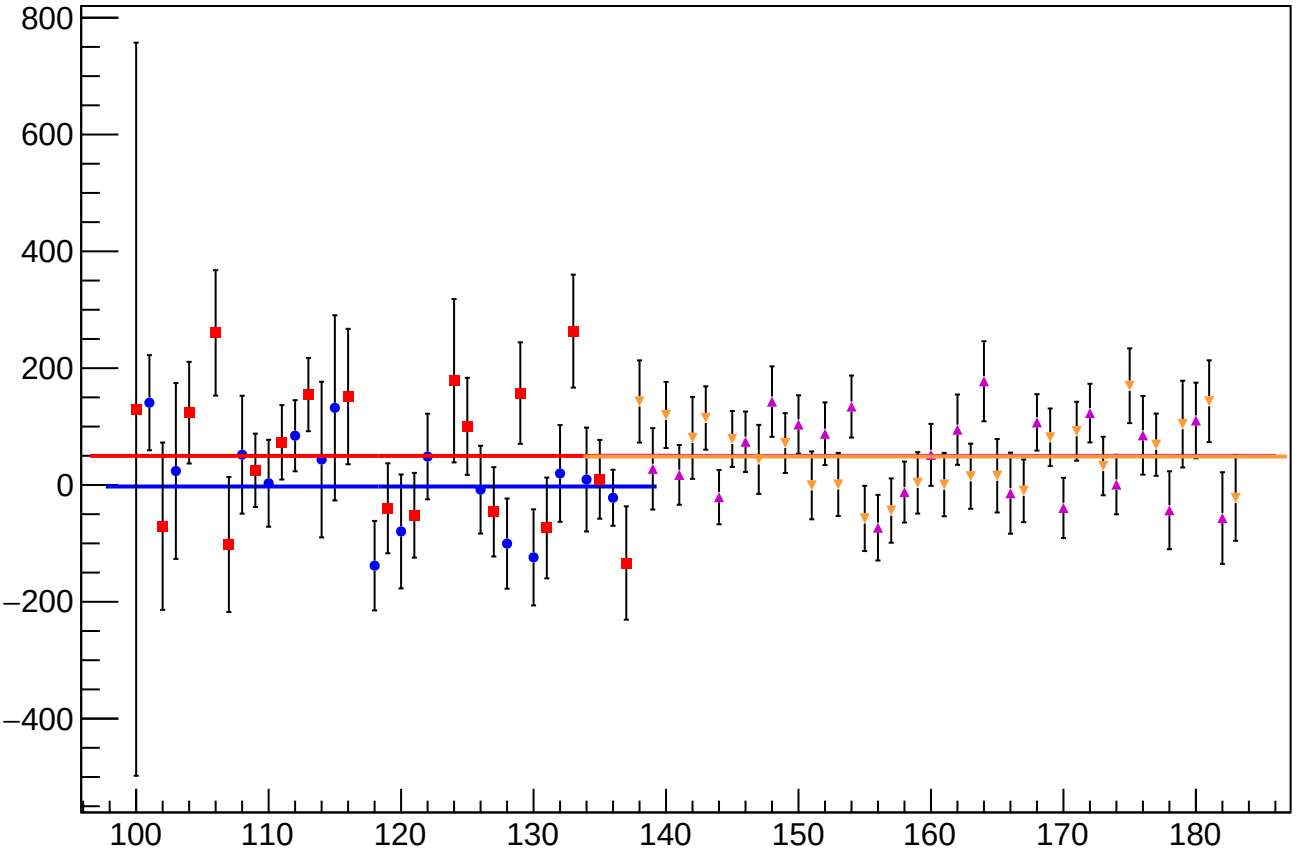
Left: 0.000+/-0.000 χ^2/NDF: 4642789.0/45

Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:6702479.5/37

Out: 0.000+/-0.000 χ^2/NDF:8958214.8/42

All: 0.000+/-0.000 χ^2/NDF: 15737531.9/80



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 48.728+/-11.589 χ^2/NDF:25.3/23

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: 49.250+/-8.329 χ^2/NDF: 58.4/45

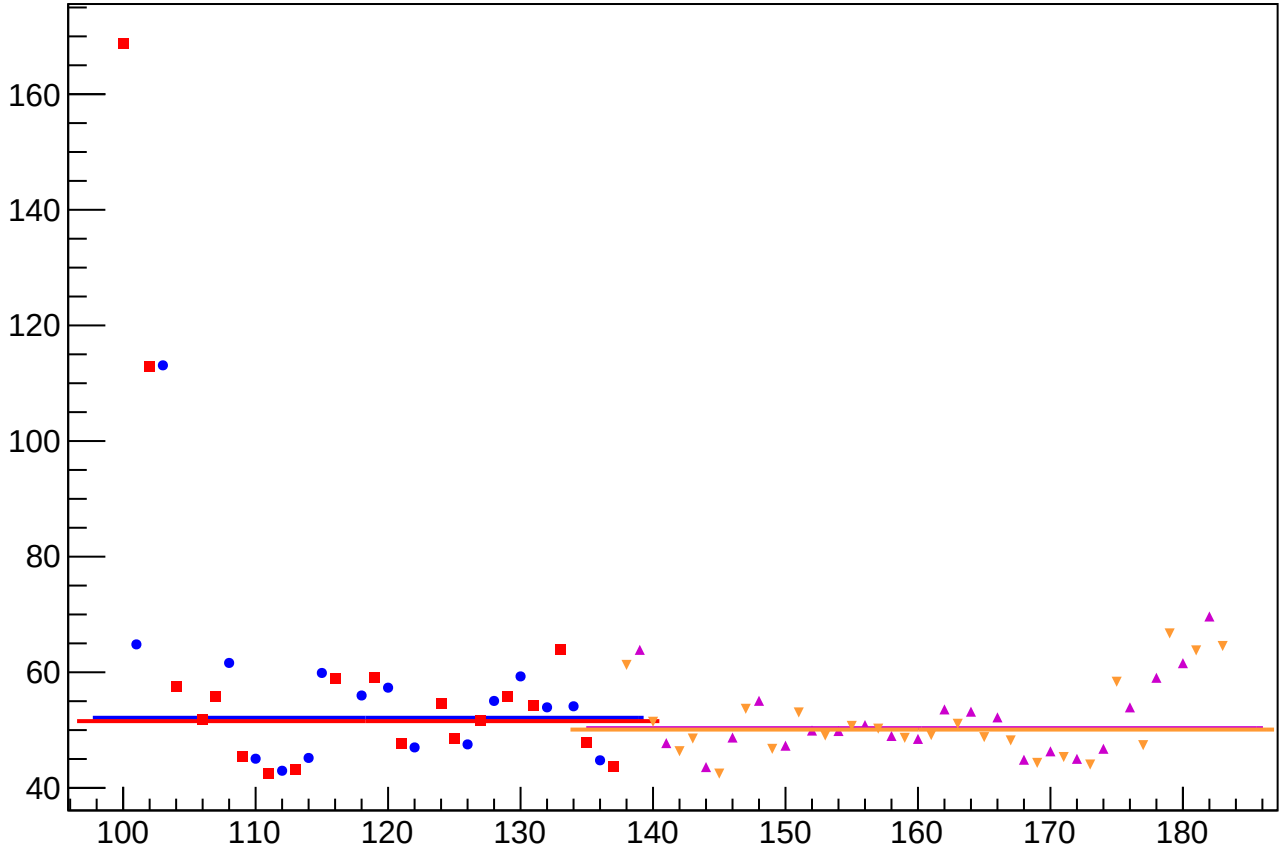
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 35.964+/-10.275 χ^2/NDF:52.7/37

Out: 49.007+/-9.979 χ^2/NDF:54.6/42

All: 42.677+/-7.158 χ^2/NDF: 108.2/80

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 50.089+/-0.008 χ^2/NDF:504870.0/23

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: 50.208+/-0.006 χ^2/NDF: 955666.8/45

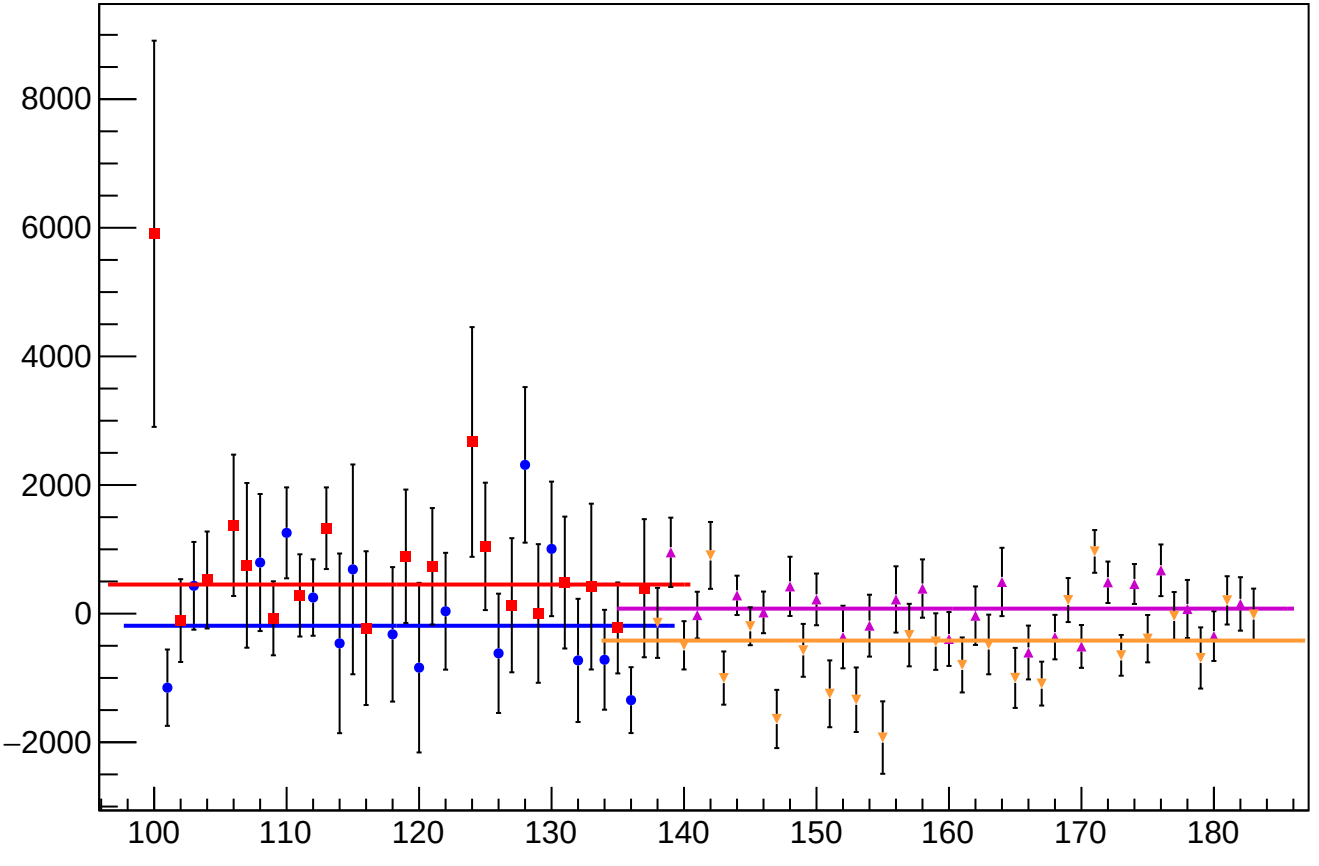
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.809+/-0.007 χ^2/NDF:1025109.5/37

Out: 50.467+/-0.007 χ^2/NDF:1152653.5/42

All: 50.633+/-0.005 χ^2/NDF: 2178905.2/80

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: -418.687+/-82.852 χ^2/NDF:62.5/23

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: -175.361+/-59.158 χ^2/NDF: 101.6/45

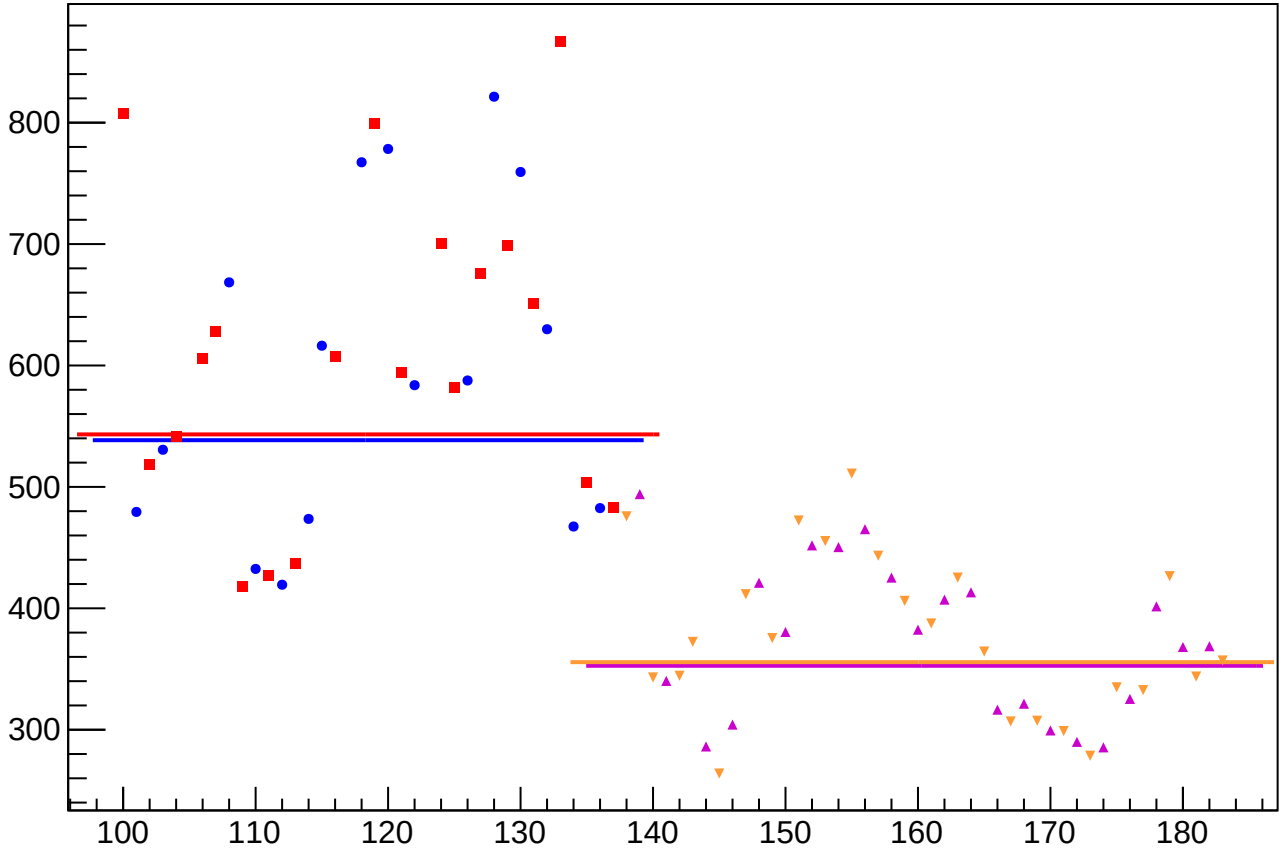
Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 39.310+/-78.166 χ^2/NDF:44.3/37

Out: -295.241+/-76.759 χ^2/NDF:89.5/42

All: -131.004+/-54.767 χ^2/NDF: 143.1/80

asym_sam_1357_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 355.661+/-0.059 χ^2/NDF:1130361.5/23

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 352.679+/-0.060 χ^2/NDF:1000474.4/21

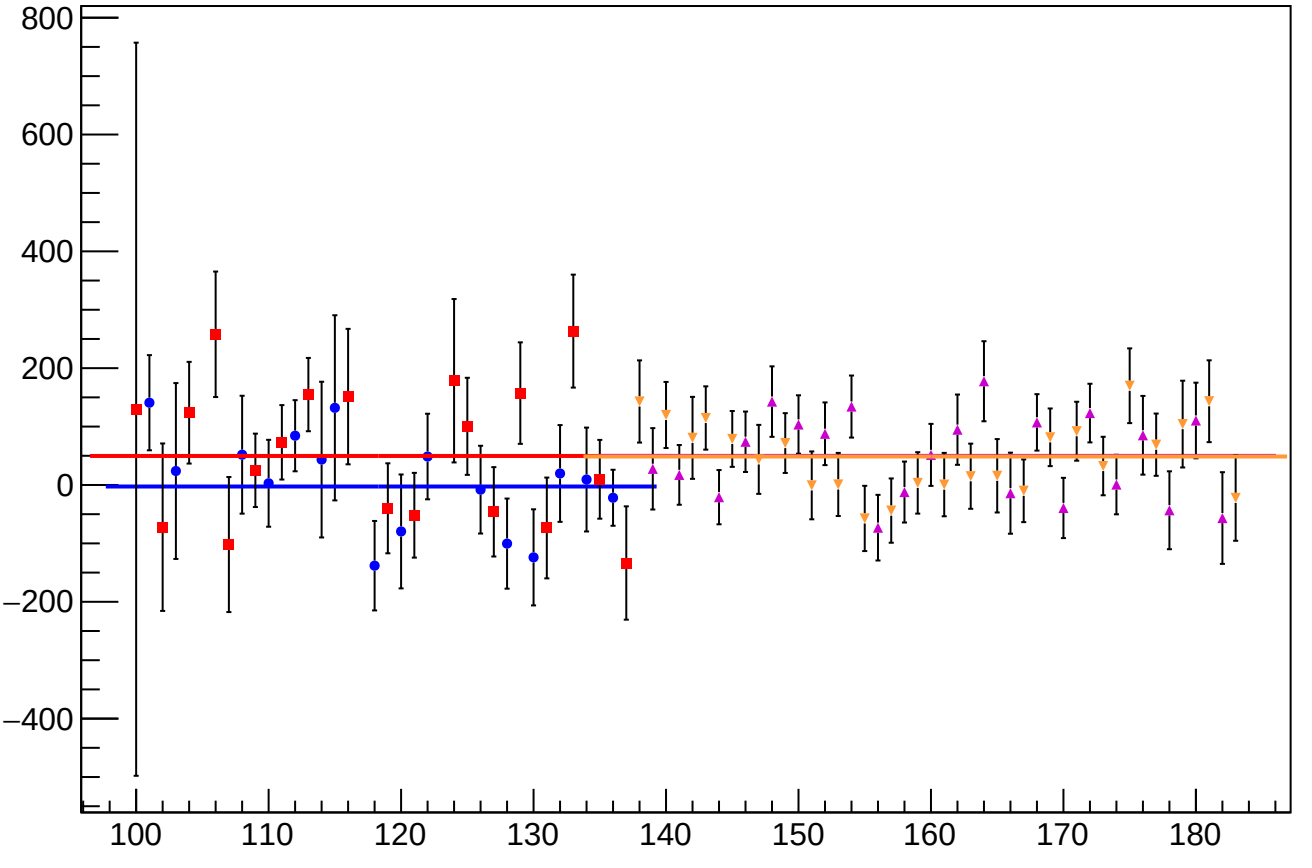
Left: 354.199+/-0.042 χ^2/NDF: 2132106.2/45

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 379.478+/-0.055 χ^2/NDF:3009178.7/37

Out: 382.240+/-0.054 χ^2/NDF:3220055.2/42

All: 380.884+/-0.039 χ^2/NDF: 6230505.2/80



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 48.730+/-11.589 χ^2/NDF:25.3/23

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: 49.251+/-8.329 χ^2/NDF: 58.4/45

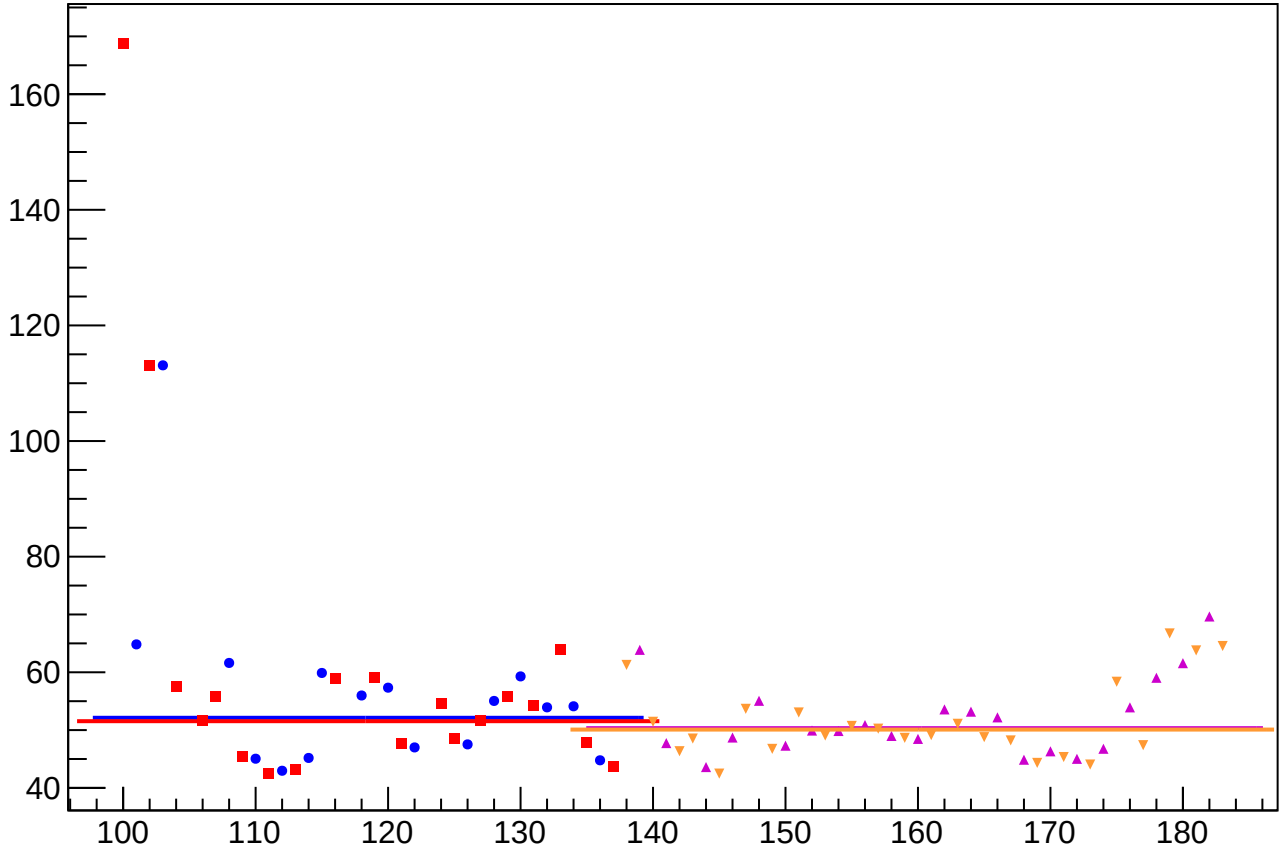
Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 35.963+/-10.275 χ^2/NDF:52.7/37

Out: 48.979+/-9.979 χ^2/NDF:54.6/42

All: 42.662+/-7.158 χ^2/NDF: 108.1/80

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 50.089+/-0.008 χ^2/NDF:504870.0/23

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 50.336+/-0.008 χ^2/NDF:450358.8/21

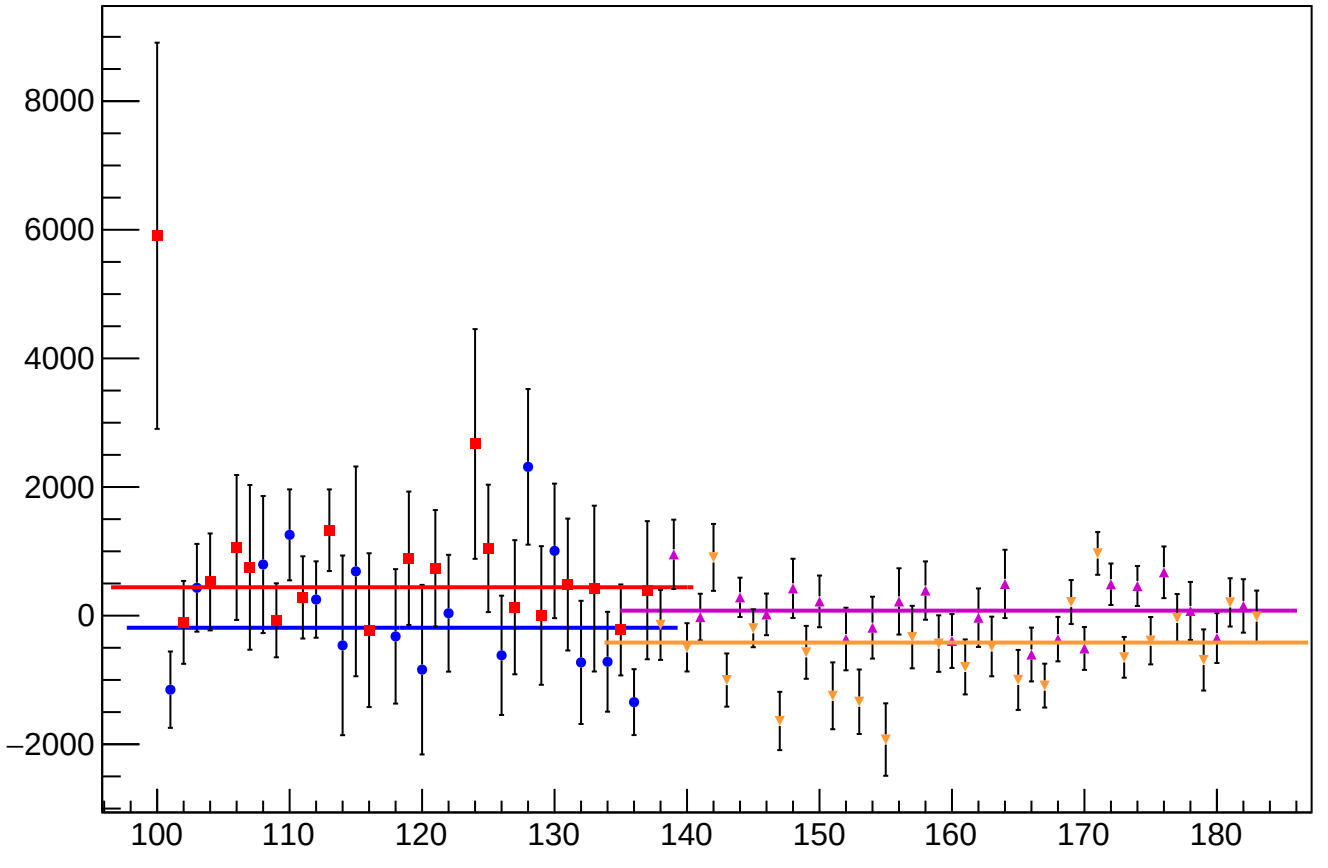
Left: 50.208+/-0.006 χ^2/NDF: 955666.9/45

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.809+/-0.007 χ^2/NDF:1025111.8/37

Out: 50.464+/-0.007 χ^2/NDF:1152757.5/42

All: 50.632+/-0.005 χ^2/NDF: 2179029.4/80



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -418.683+/-82.852 χ^2/NDF:62.5/23

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: -175.360+/-59.158 χ^2/NDF: 101.6/45

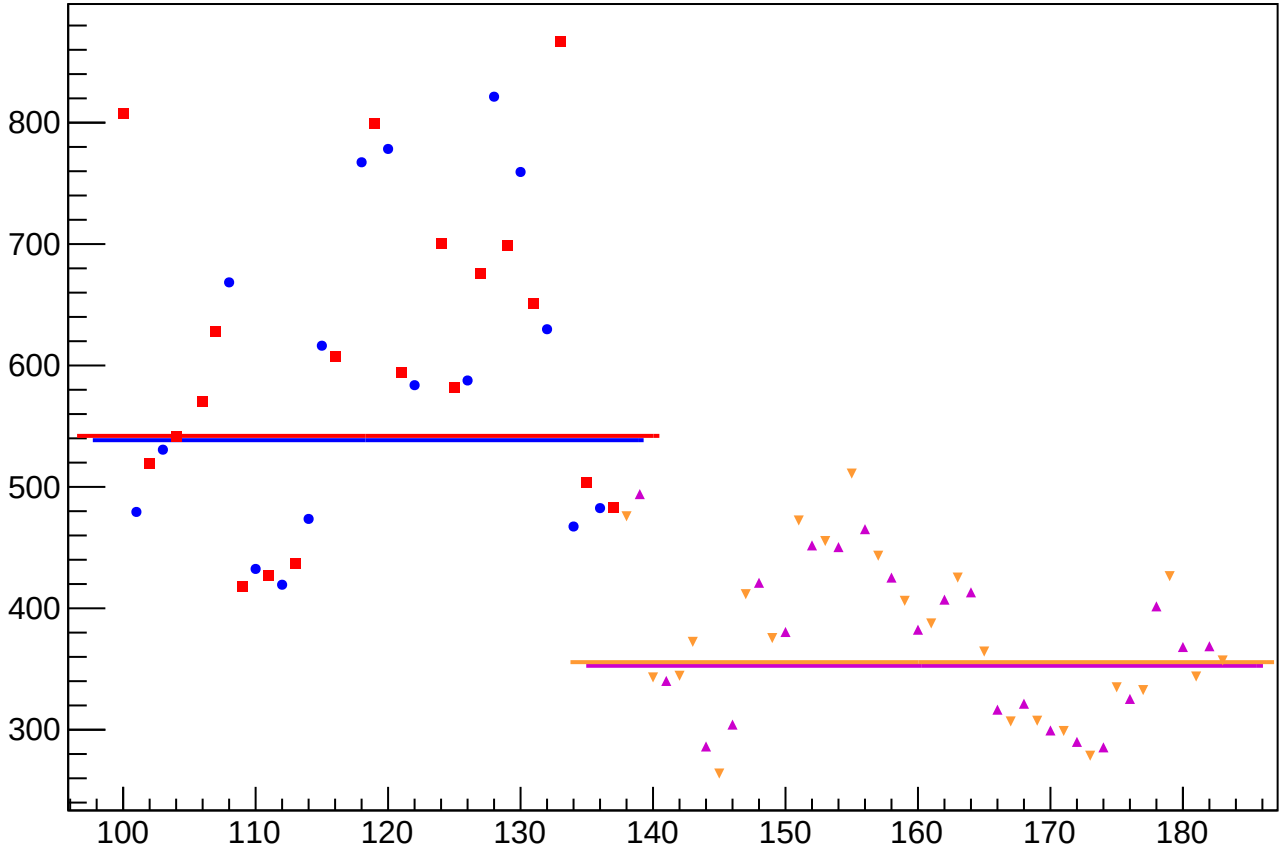
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 39.314+/-78.166 χ^2/NDF:44.3/37

Out: -297.047+/-76.769 χ^2/NDF:88.6/42

All: -131.899+/-54.771 χ^2/NDF: 142.4/80

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: 355.661+/-0.059 χ^2/NDF:1130365.6/23

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 352.679+/-0.060 χ^2/NDF:1000474.6/21

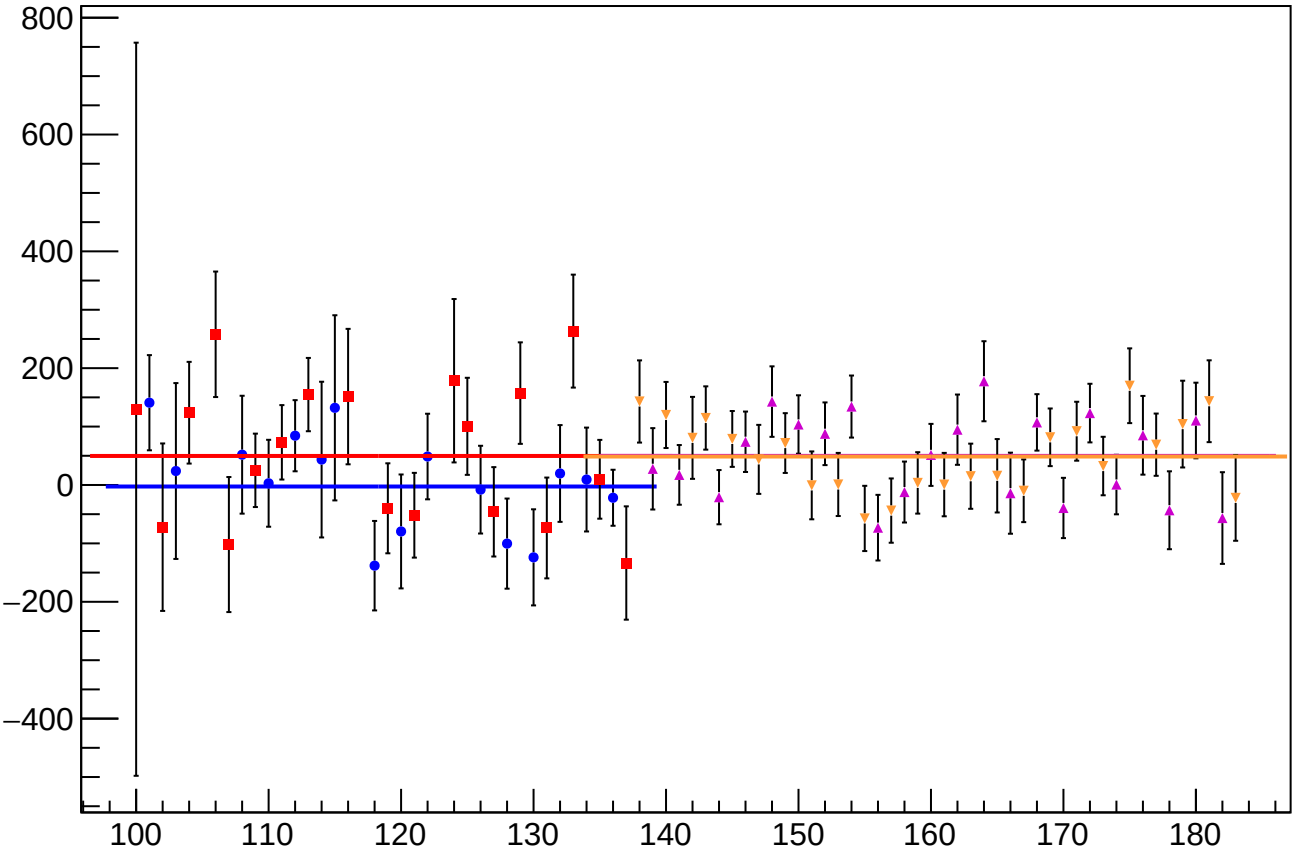
Left: 354.199+/-0.042 χ^2/NDF: 2132110.2/45

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 379.478+/-0.055 χ^2/NDF:3009230.7/37

Out: 382.024+/-0.054 χ^2/NDF:3193401.5/42

All: 380.774+/-0.039 χ^2/NDF: 6203712.6/80



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 48.730+/-11.589 χ^2/NDF:25.3/23

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 49.808+/-11.978 χ^2/NDF:33.1/21

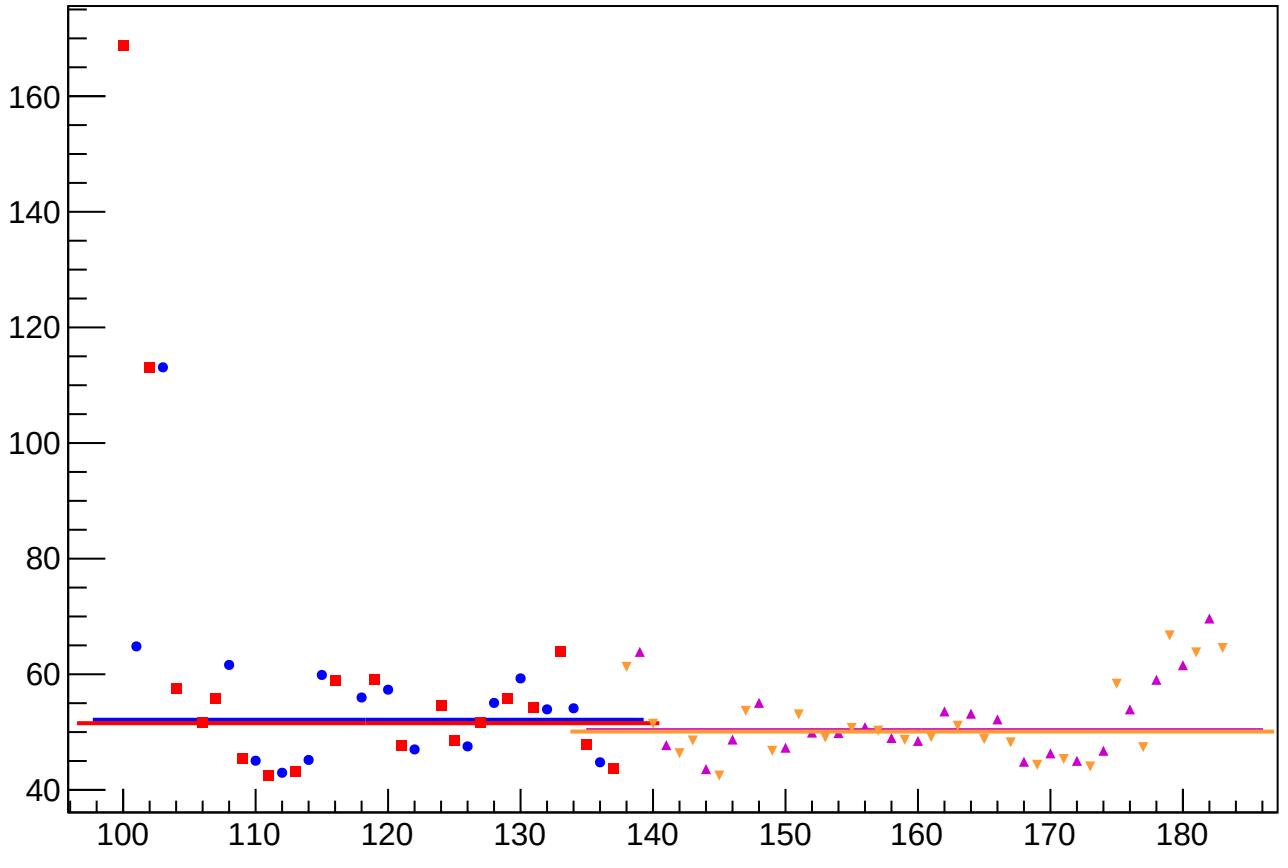
Left: 49.251+/-8.329 χ^2/NDF: 58.4/45

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 35.963+/-10.275 χ^2/NDF:52.7/37

Out: 48.979+/-9.979 χ^2/NDF:54.6/42

All: 42.662+/-7.158 χ^2/NDF: 108.1/80



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 50.089+/-0.008 χ^2/NDF:504870.0/23

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: 50.208+/-0.006 χ^2/NDF: 955666.9/45

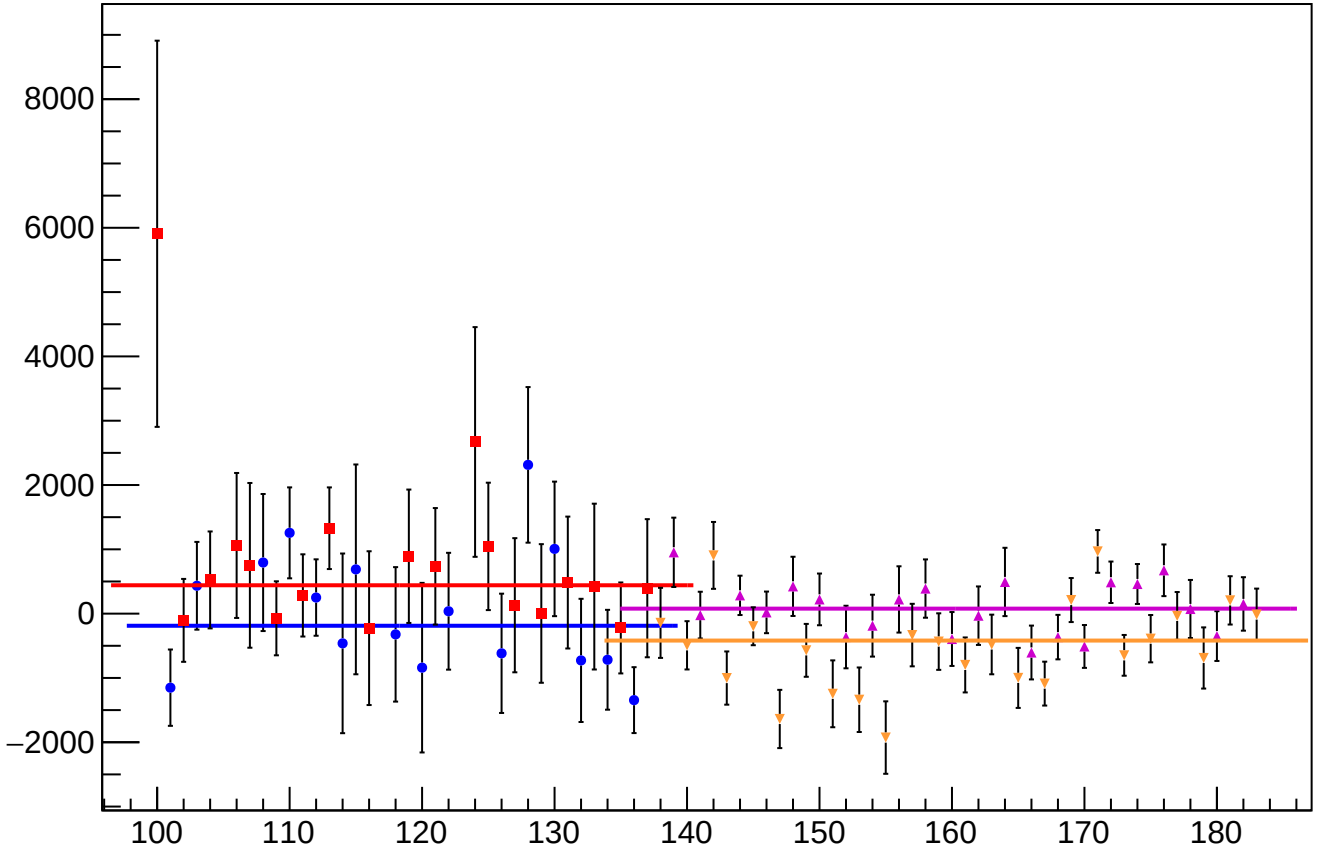
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.809+/-0.007 χ^2/NDF:1025111.8/37

Out: 50.464+/-0.007 χ^2/NDF:1152757.5/42

All: 50.632+/-0.005 χ^2/NDF: 2179029.4/80

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: -418.683+/-82.852 χ^2/NDF:62.5/23

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: -175.360+/-59.158 χ^2/NDF: 101.6/45

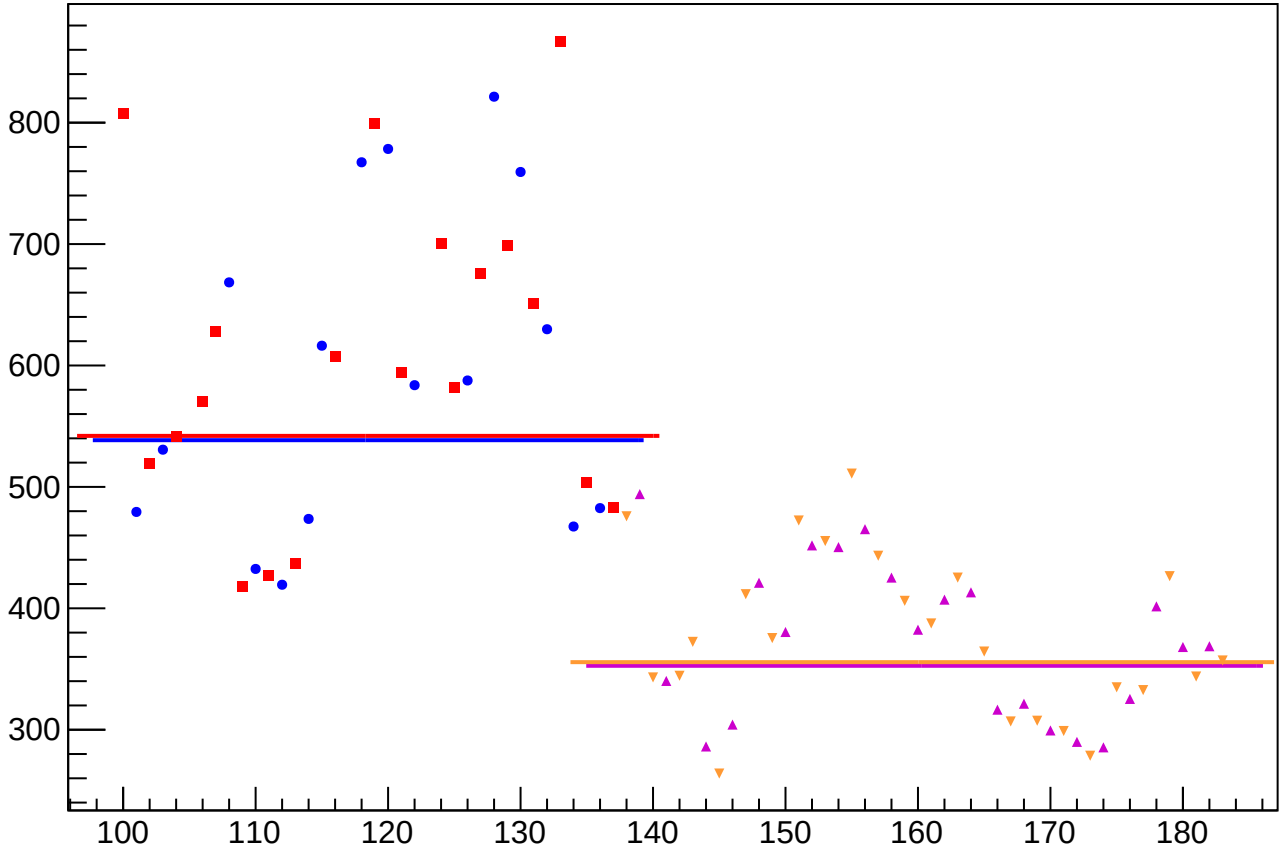
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 39.314+/-78.166 χ^2/NDF:44.3/37

Out: -297.047+/-76.769 χ^2/NDF:88.6/42

All: -131.899+/-54.771 χ^2/NDF: 142.4/80

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: 355.661+/-0.059 χ^2/NDF:1130365.6/23

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 352.679+/-0.060 χ^2/NDF:1000474.6/21

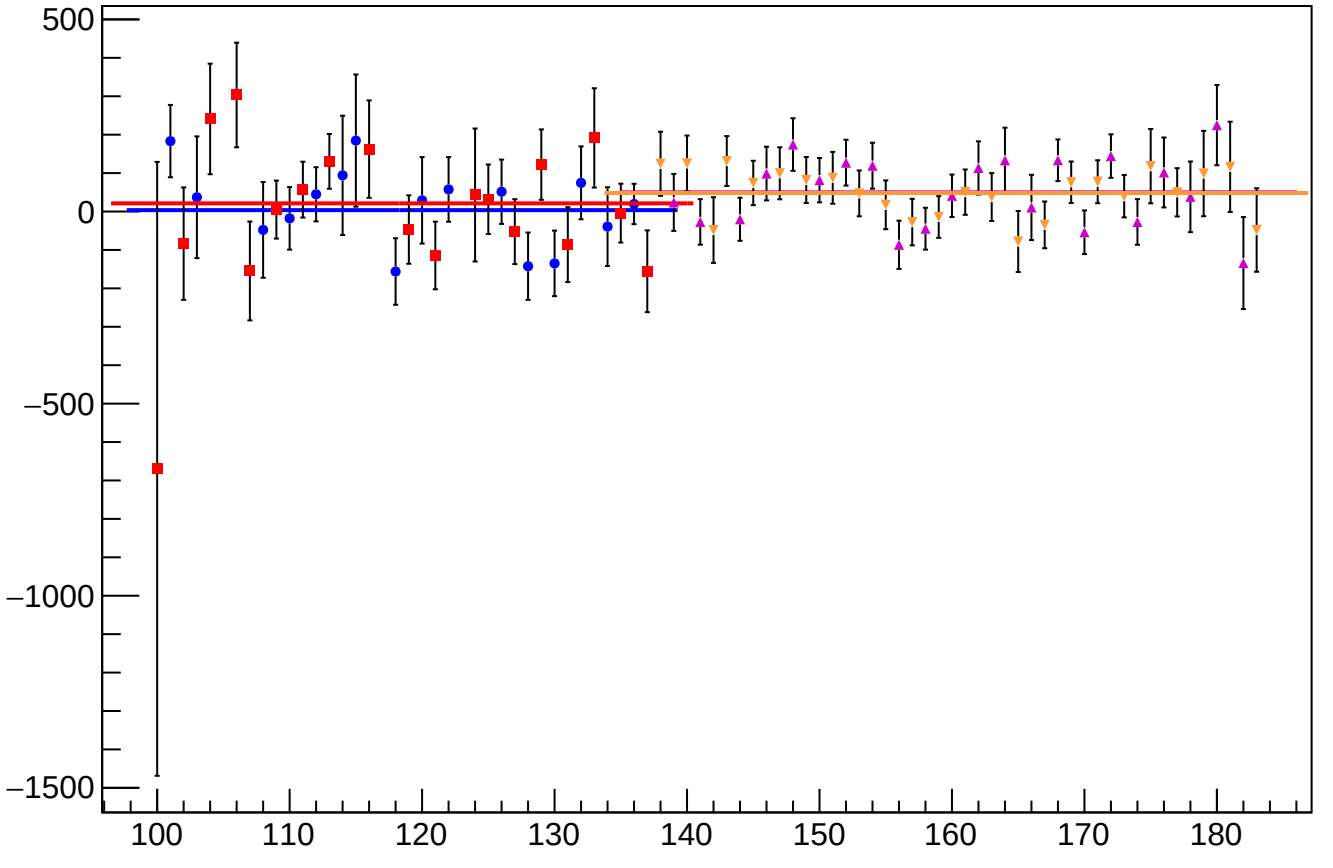
Left: 354.199+/-0.042 χ^2/NDF: 2132110.2/45

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 379.478+/-0.055 χ^2/NDF:3009230.7/37

Out: 382.024+/-0.054 χ^2/NDF:3193401.5/42

All: 380.774+/-0.039 χ^2/NDF: 6203712.6/80



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.213+/-13.569 χ^2/NDF:16.3/23

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 49.907+/-13.983 χ^2/NDF:36.0/21

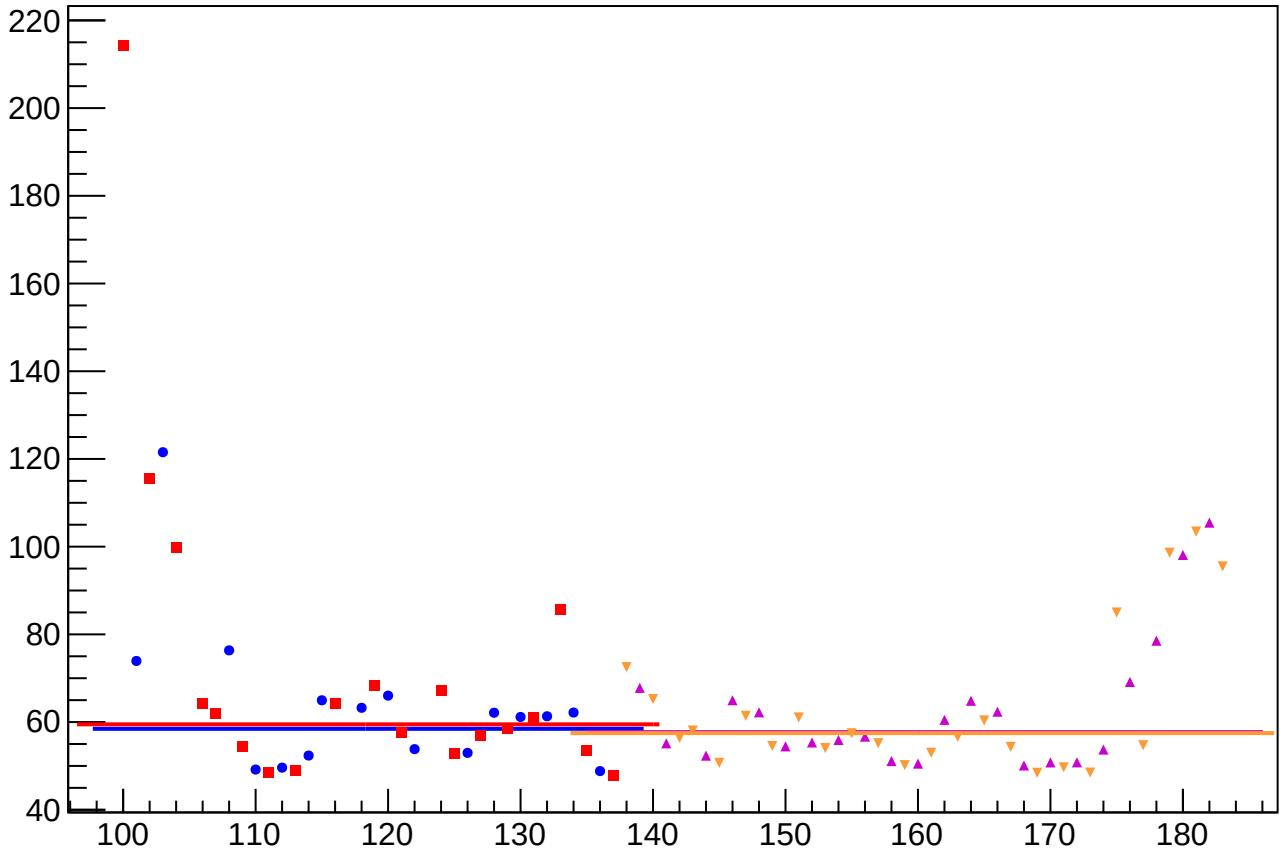
Left: 49.035+/-9.738 χ^2/NDF: 52.3/45

Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 36.988+/-11.873 χ^2/NDF:55.2/37

Out: 41.148+/-11.656 χ^2/NDF:41.7/42

All: 39.106+/-8.318 χ^2/NDF: 97.0/80



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 57.484+/-0.010 χ^2/NDF:1337940.6/23

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 57.710+/-0.010 χ^2/NDF:1047181.3/21

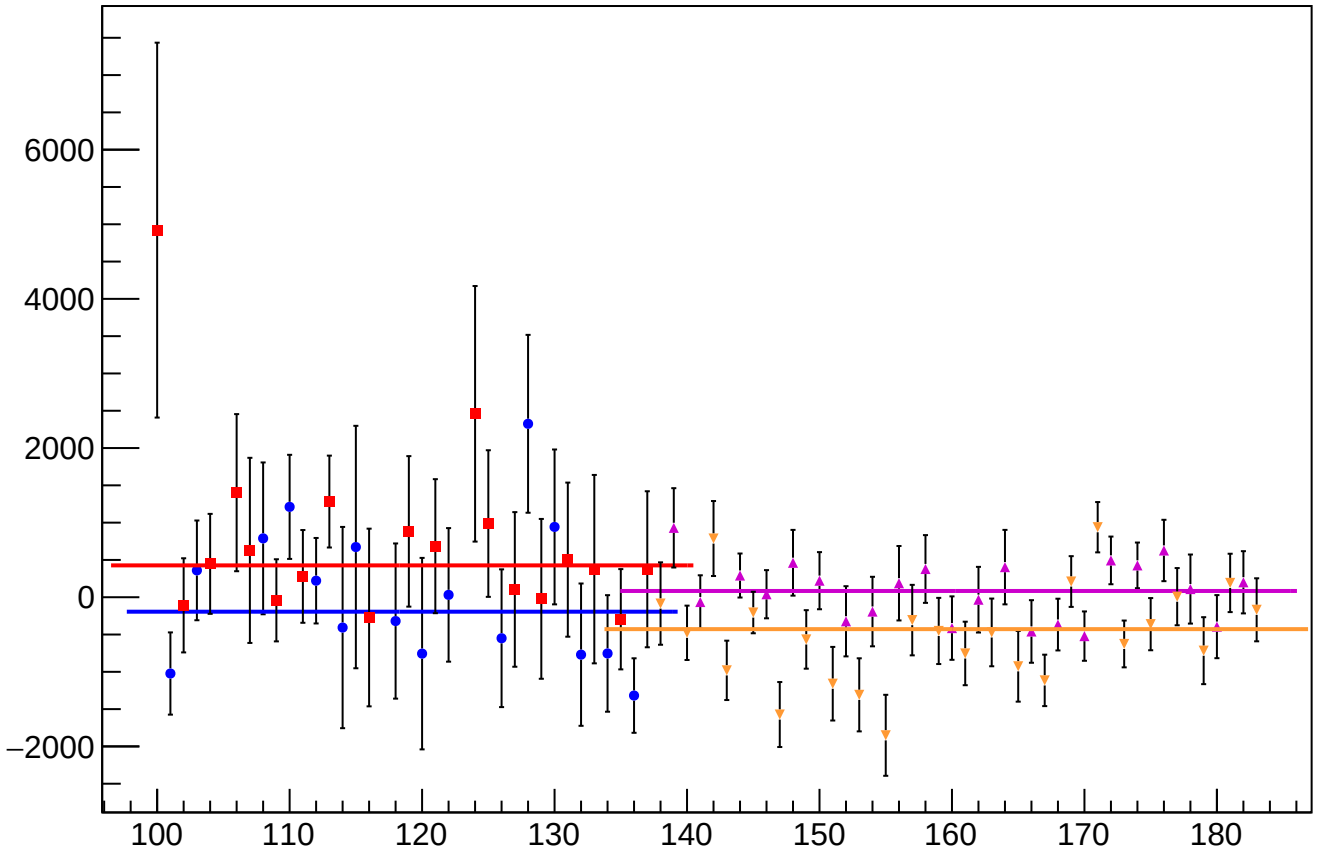
Left: 57.594+/-0.007 χ^2/NDF: 2385389.4/45

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 57.921+/-0.008 χ^2/NDF:1631794.7/37

Out: 58.008+/-0.008 χ^2/NDF:2134202.9/42

All: 57.965+/-0.006 χ^2/NDF: 3766053.5/80



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -427.706+/-81.669 χ^2/NDF:58.9/23

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 83.913+/-83.747 χ^2/NDF:20.2/21

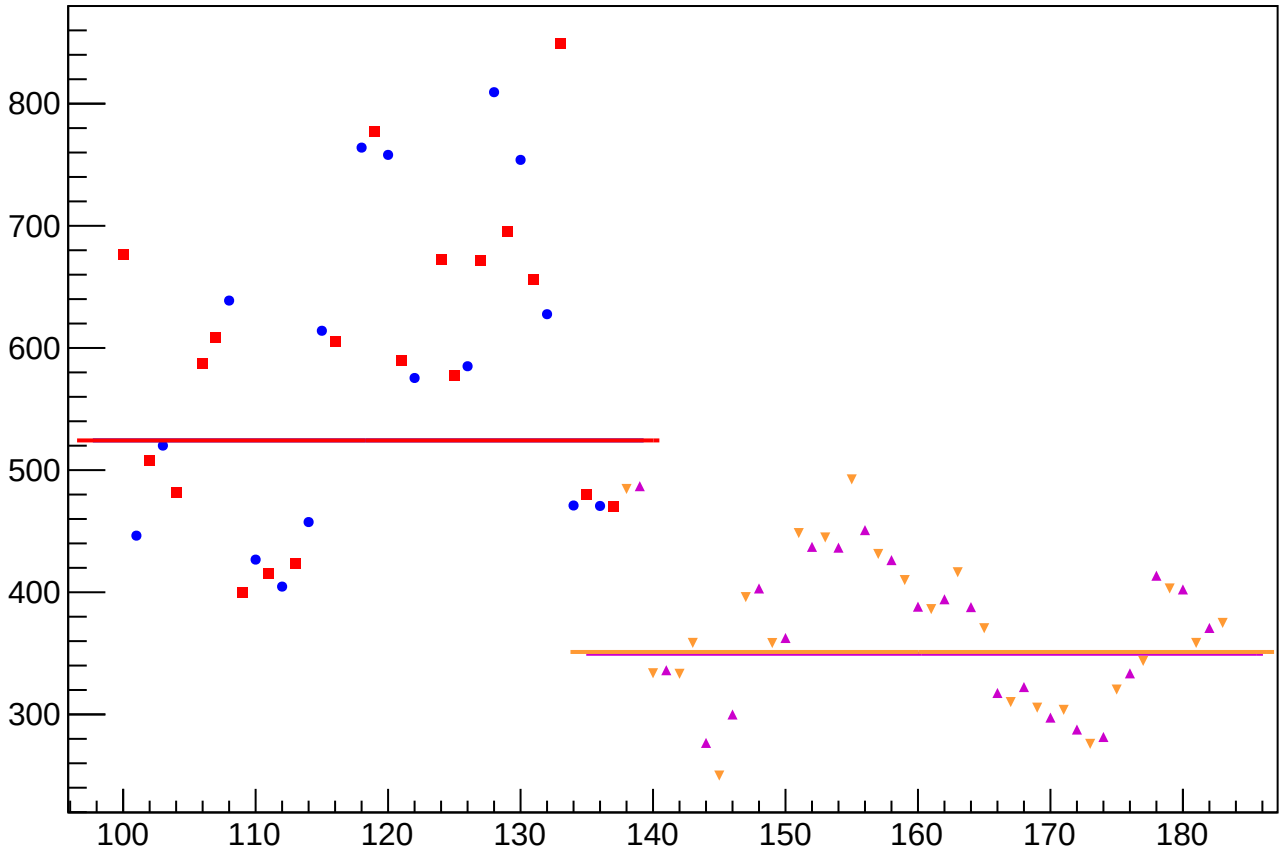
Left: -178.322+/-58.469 χ^2/NDF: 98.2/45

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 42.681+/-77.282 χ^2/NDF:42.6/37

Out: -302.366+/-75.443 χ^2/NDF:86.2/42

All: -133.998+/-53.985 χ^2/NDF: 139.1/80



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 351.128+/-0.058 χ^2/NDF:1117823.1/23

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 349.644+/-0.059 χ^2/NDF:989854.5/21

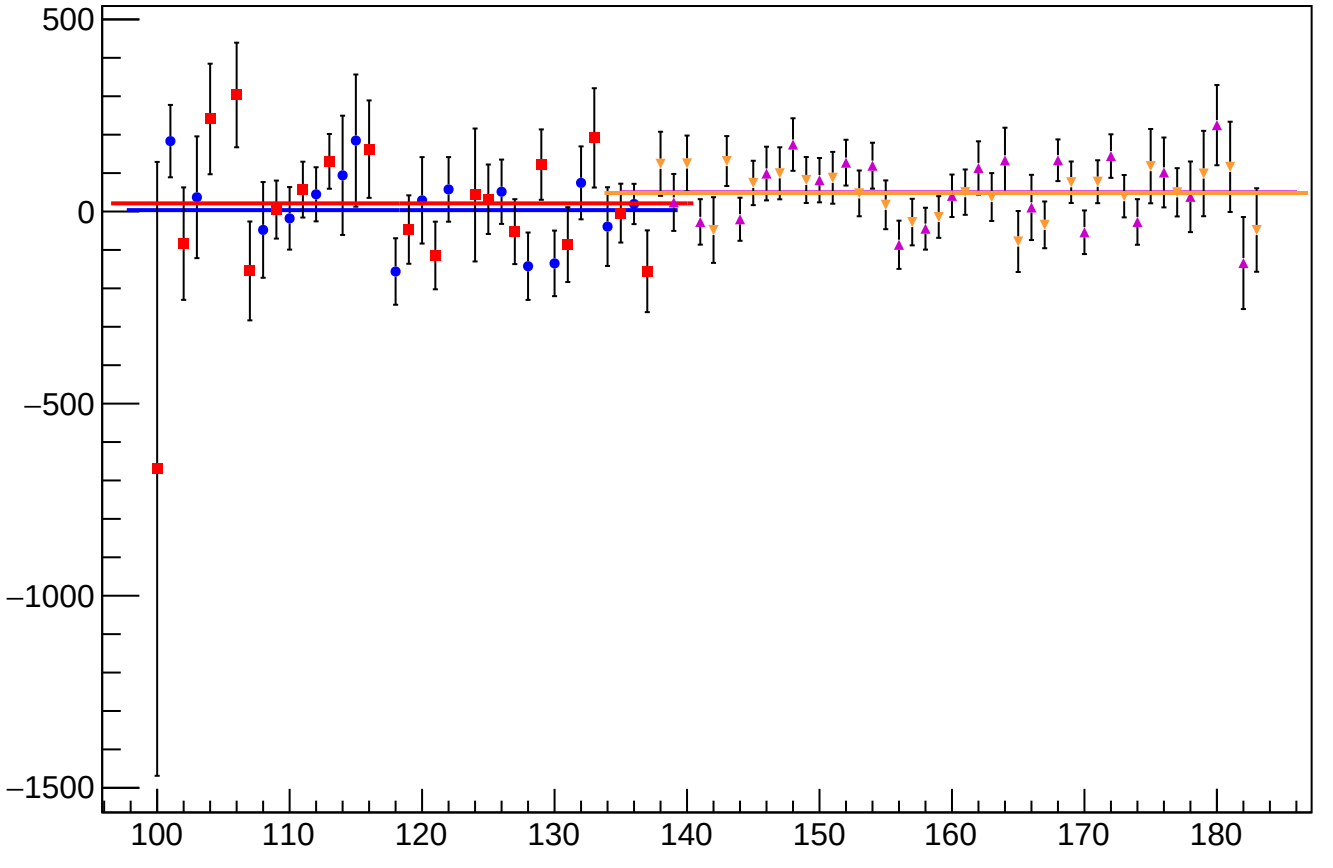
Left: 350.405+/-0.041 χ^2/NDF: 2107999.5/45

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 375.570+/-0.055 χ^2/NDF:2939786.4/37

Out: 376.525+/-0.053 χ^2/NDF:3122713.4/42

All: 376.059+/-0.038 χ^2/NDF: 6062656.1/80



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.213+/-13.569 χ^2/NDF:16.3/23

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 49.906+/-13.983 χ^2/NDF:36.0/21

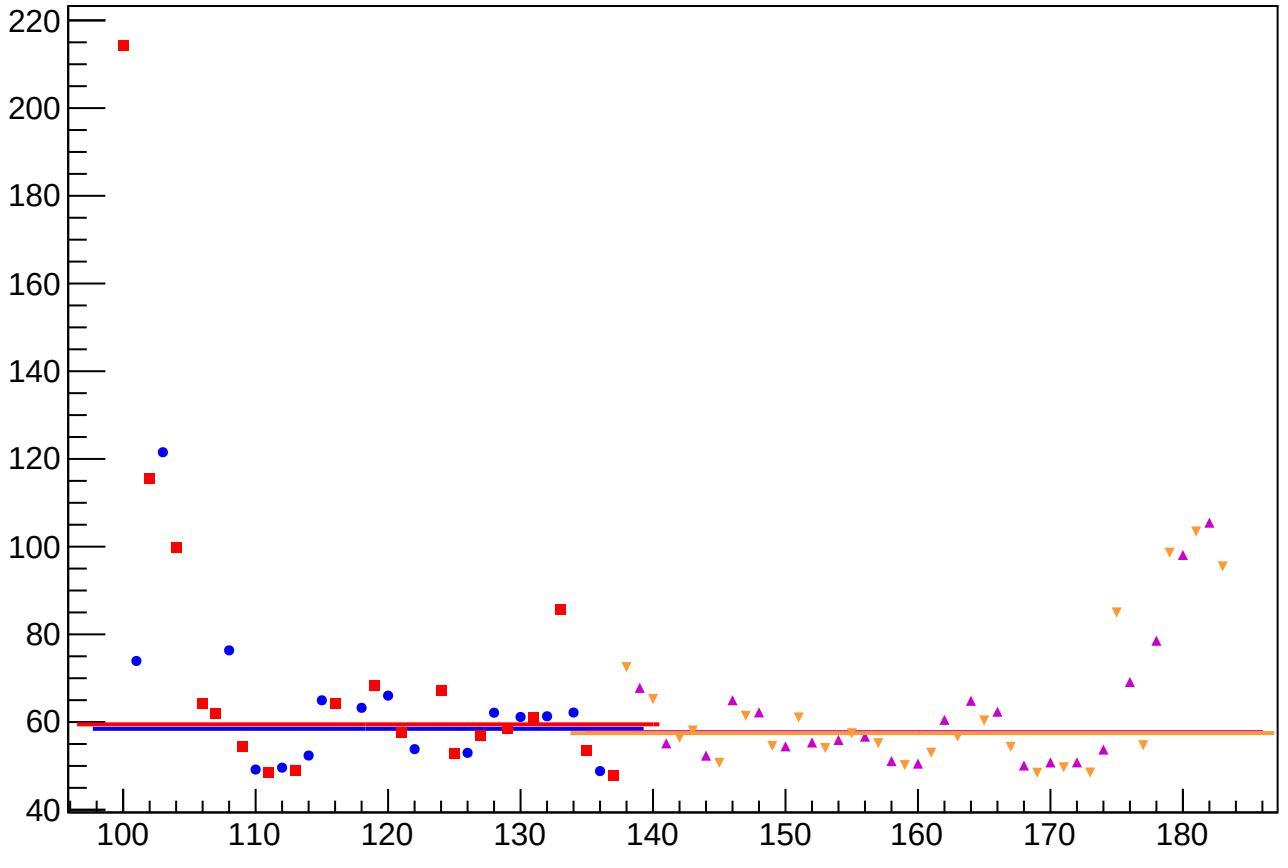
Left: 49.035+/-9.738 χ^2/NDF: 52.3/45

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 36.988+/-11.873 χ^2/NDF:55.2/37

Out: 41.147+/-11.656 χ^2/NDF:41.7/42

All: 39.106+/-8.318 χ^2/NDF: 97.0/80



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 57.485+/-0.010 χ^2/NDF:1337936.0/23

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: 57.594+/-0.007 χ^2/NDF: 2385371.9/45

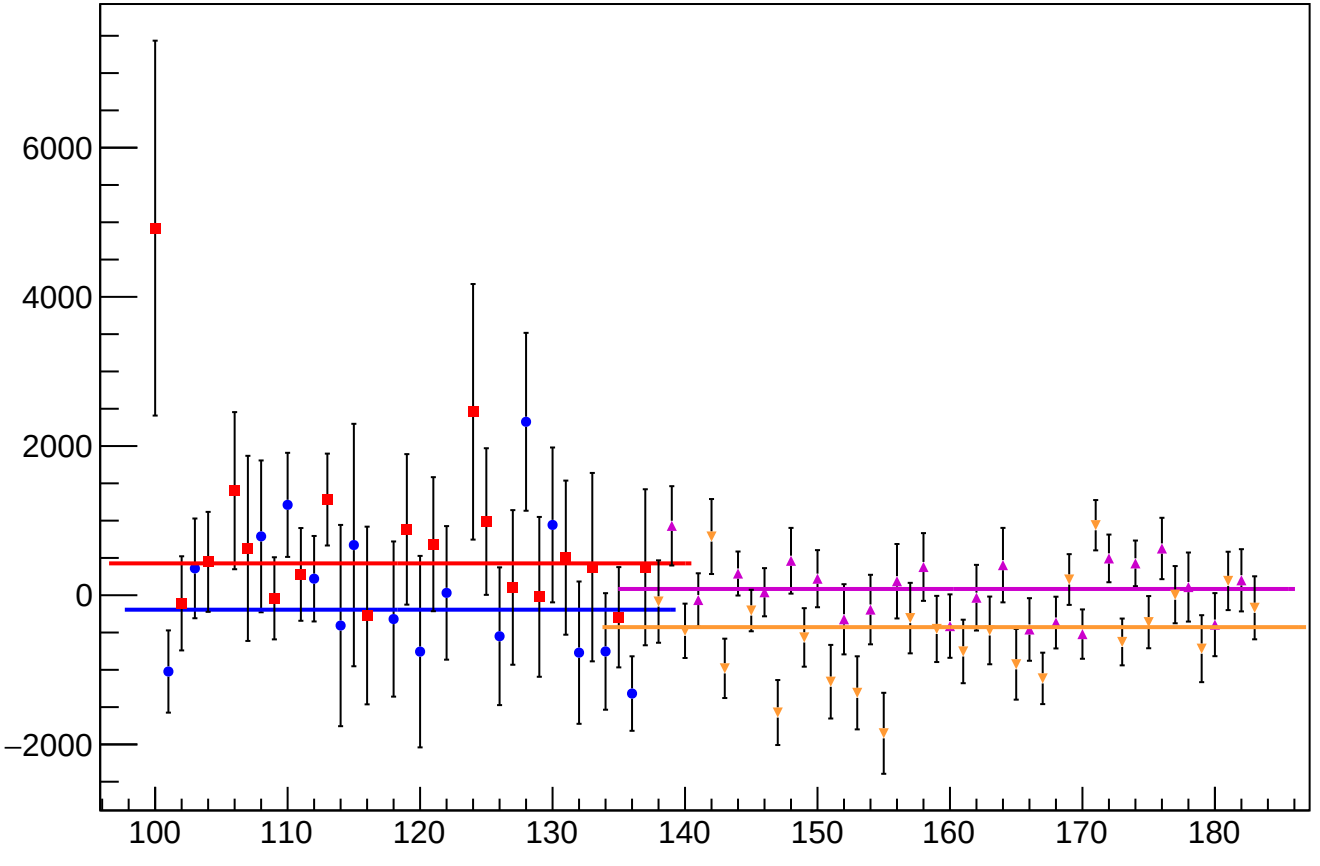
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 57.921+/-0.008 χ^2/NDF:1631778.1/37

Out: 58.009+/-0.008 χ^2/NDF:2134198.7/42

All: 57.966+/-0.006 χ^2/NDF: 3766032.7/80

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: -427.706+/-81.669 χ^2/NDF:58.9/23

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: -178.322+/-58.469 χ^2/NDF: 98.2/45

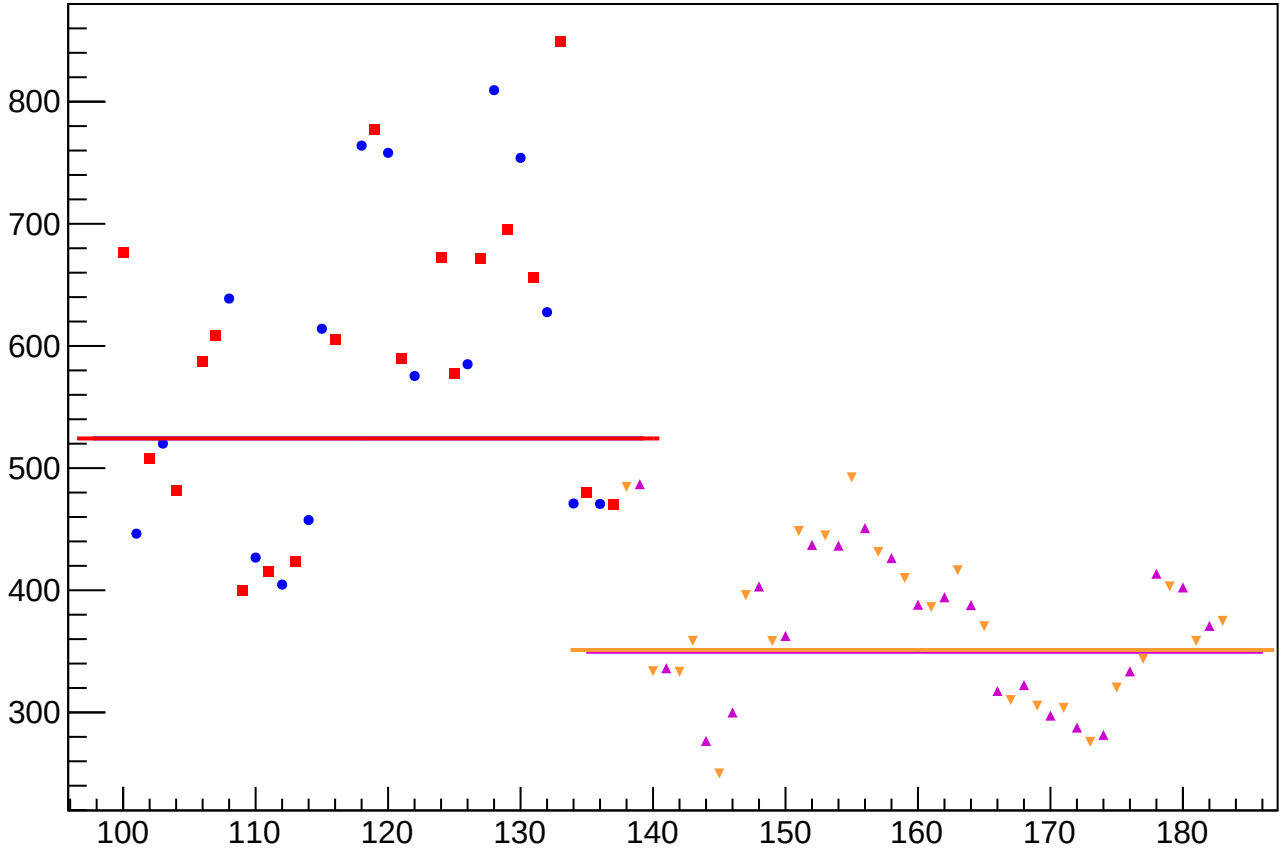
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 42.680+/-77.282 χ^2/NDF:42.6/37

Out: -302.366+/-75.443 χ^2/NDF:86.2/42

All: -133.998+/-53.985 χ^2/NDF: 139.1/80

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: 351.128+/-0.058 χ^2/NDF:1117818.5/23

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 349.644+/-0.059 χ^2/NDF:989847.9/21

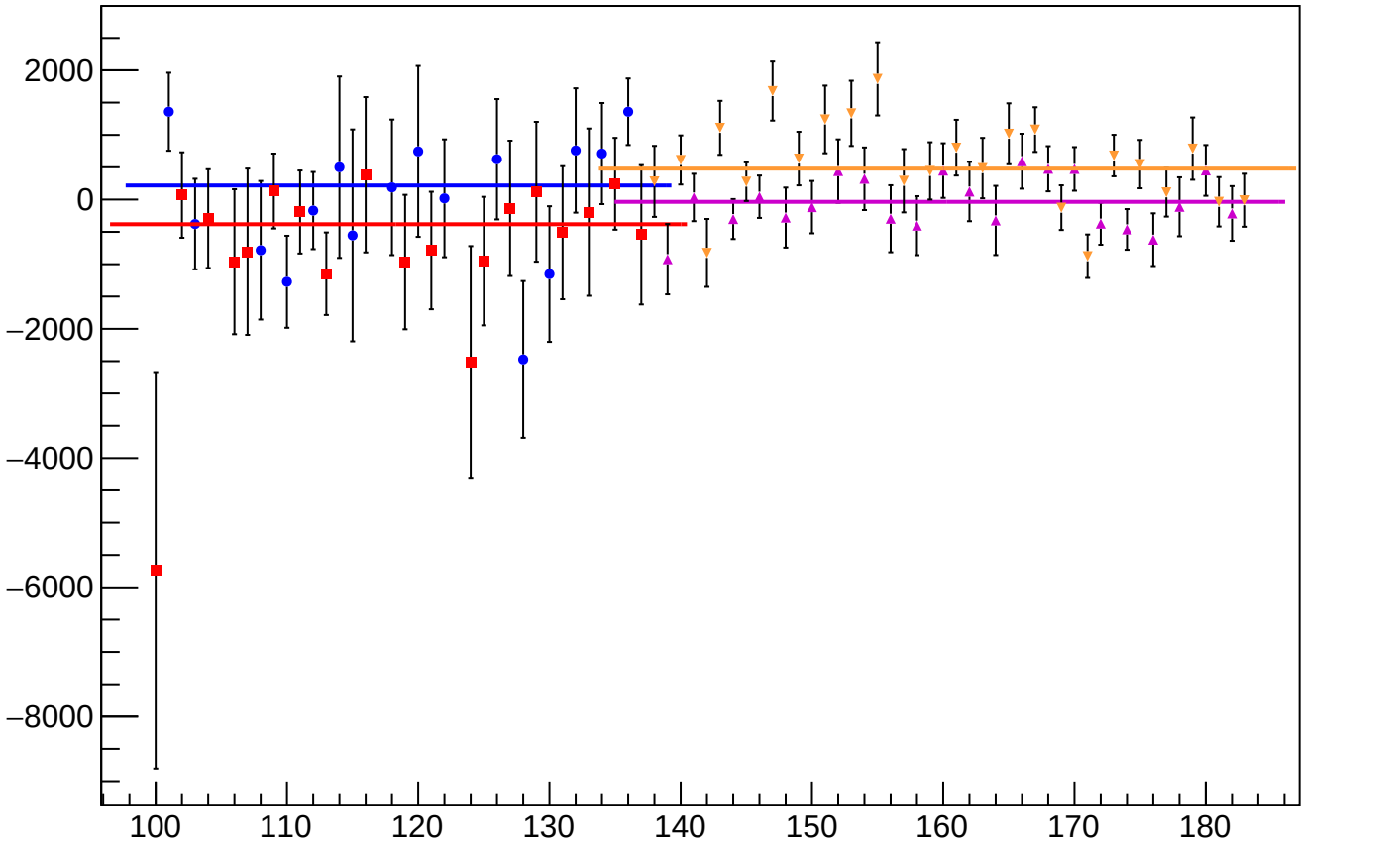
Left: 350.405+/-0.041 χ^2/NDF: 2107988.1/45

Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 375.570+/-0.055 χ^2/NDF:2939776.3/37

Out: 376.525+/-0.053 χ^2/NDF:3122704.7/42

All: 376.059+/-0.038 χ^2/NDF: 6062637.2/80



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 478.923+/-83.757 χ^2/NDF:56.6/23

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: 226.923+/-59.809 χ^2/NDF: 96.4/45

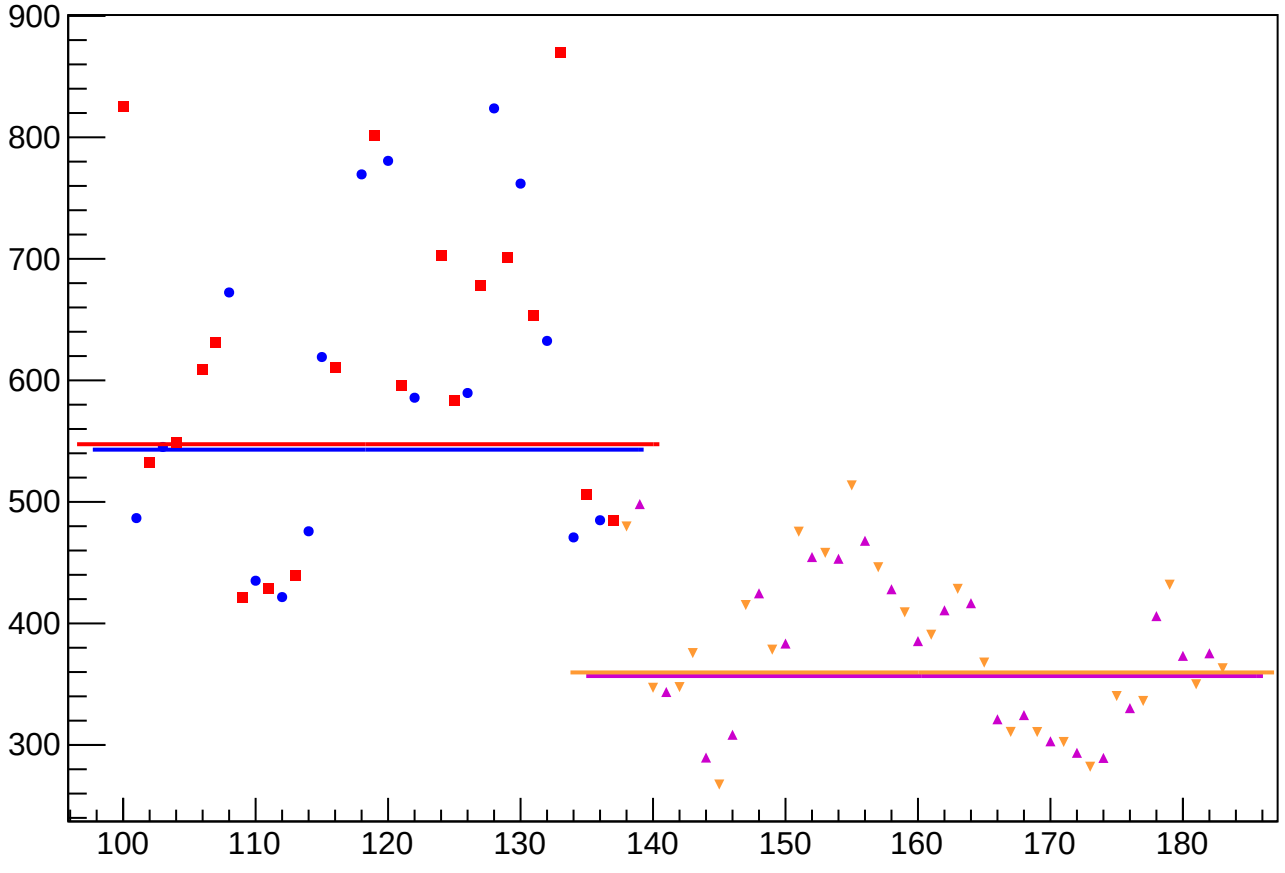
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 1.410+/-79.000 χ^2/NDF:45.4/37

Out: 356.390+/-77.567 χ^2/NDF:81.6/42

All: 182.148+/-55.348 χ^2/NDF: 137.3/80

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 359.677+/-0.059 χ^2/NDF:1104468.9/23

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 356.718+/-0.060 χ^2/NDF:977445.2/21

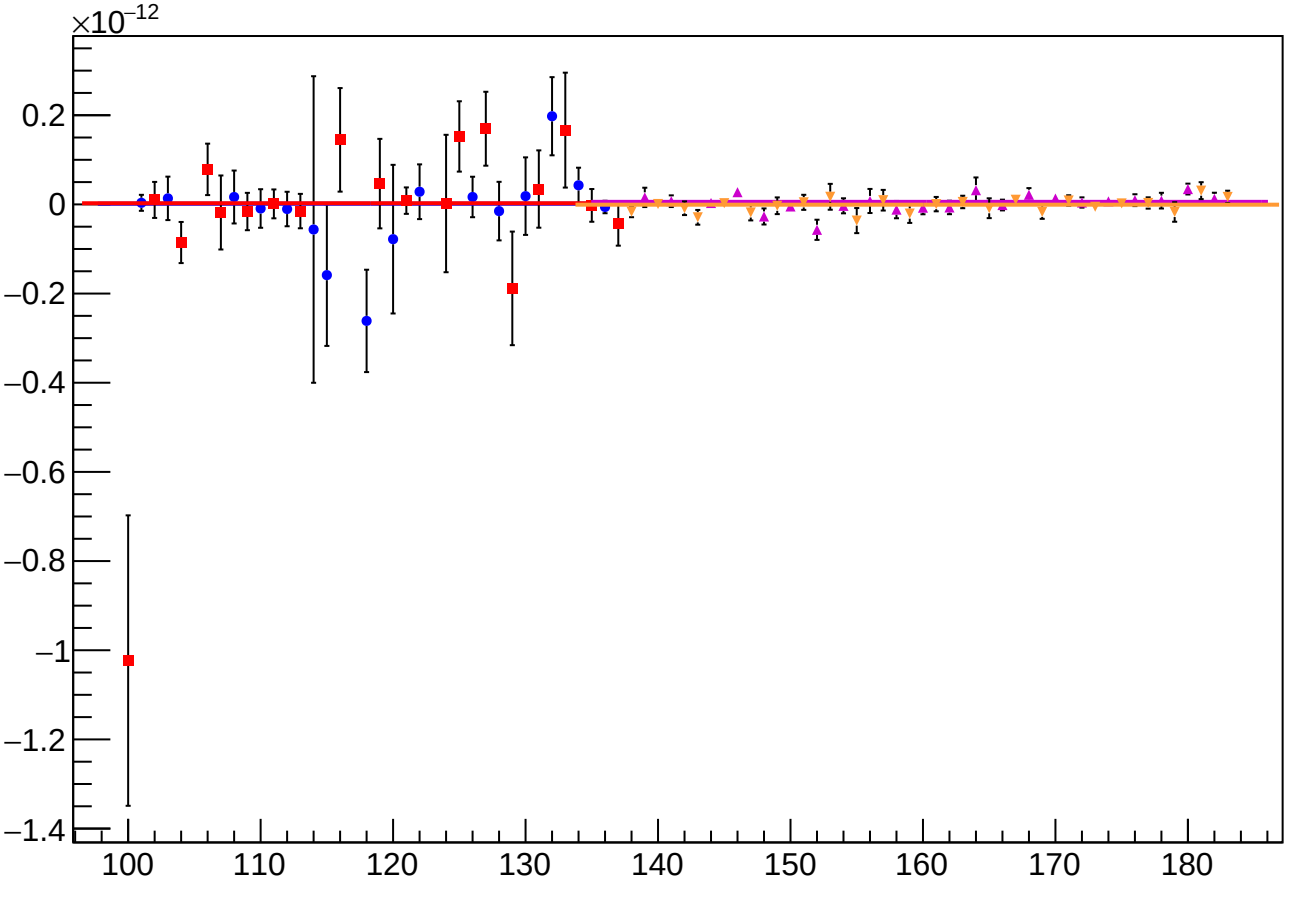
Left: 358.227+/-0.042 χ^2/NDF: 2083137.6/45

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 383.721+/-0.056 χ^2/NDF:2960998.8/37

Out: 386.409+/-0.055 χ^2/NDF:3165914.9/42

All: 385.090+/-0.039 χ^2/NDF: 6128092.9/80



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

Left Out: -0.000+/-0.000 χ^2/NDF:17.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:27.9/21

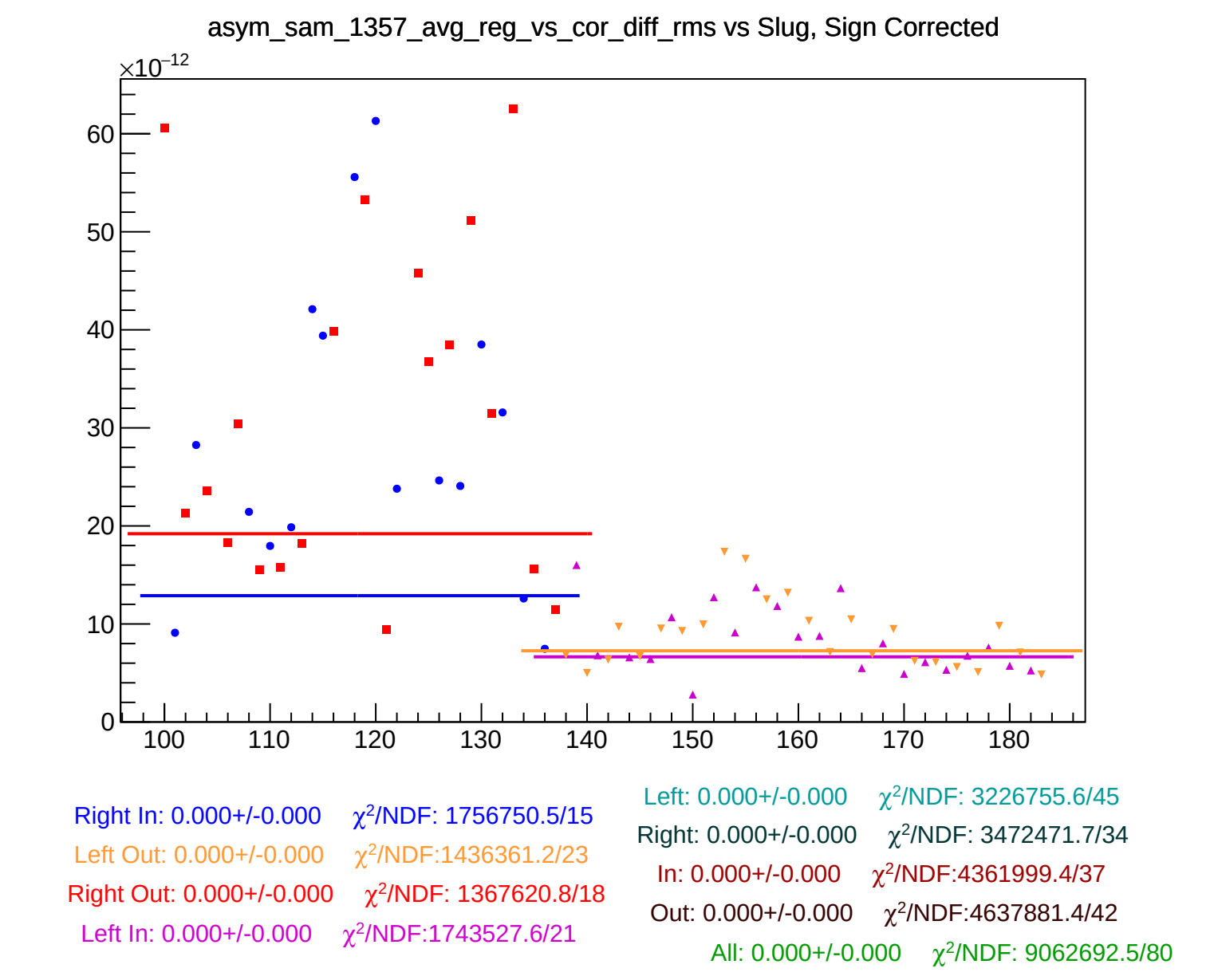
Left: 0.000+/-0.000 χ^2/NDF: 47.8/45

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

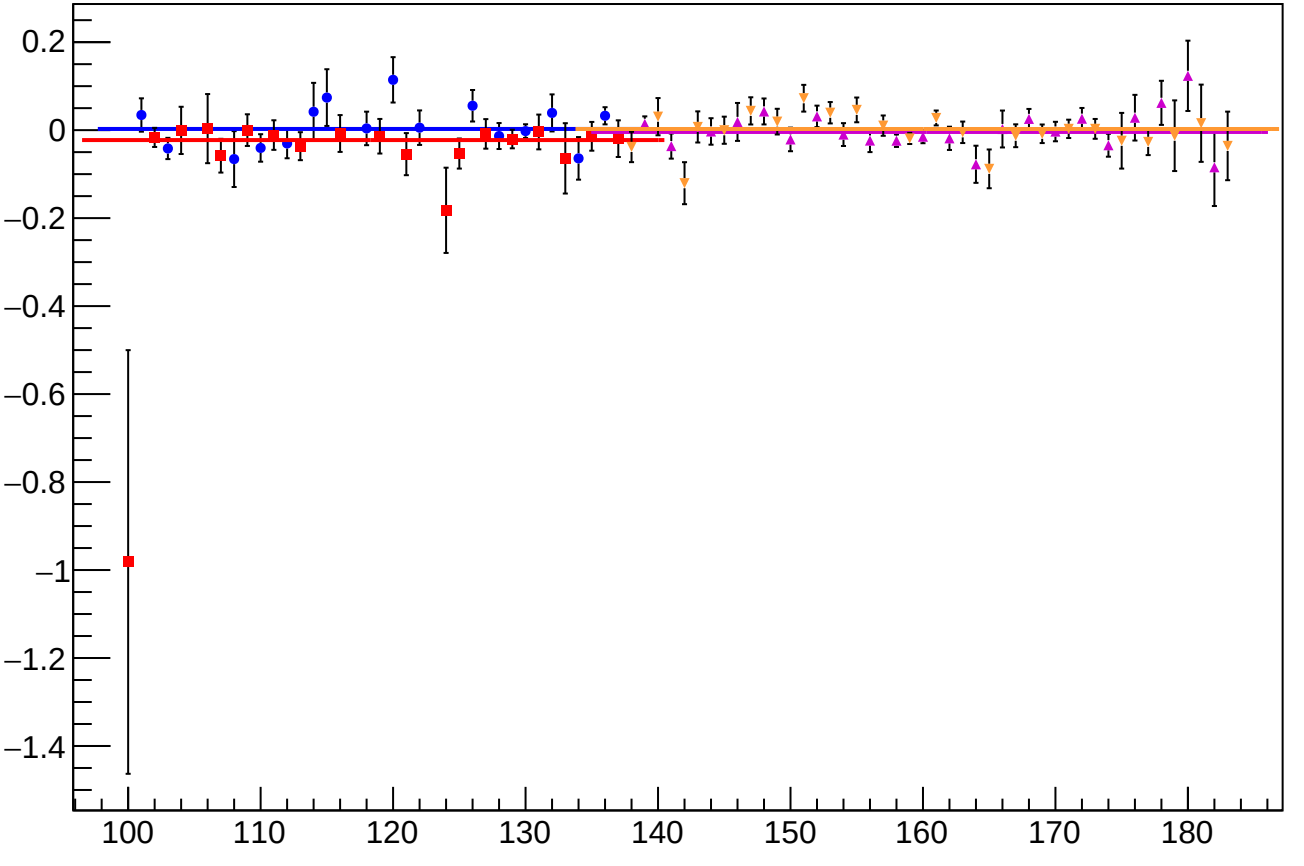
In: 0.000+/-0.000 χ^2/NDF:41.7/37

Out: -0.000+/-0.000 χ^2/NDF:47.5/42

All: 0.000+/-0.000 χ^2/NDF: 91.4/80


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1436361.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1743527.6/21
Left: 0.000+/-0.000 χ²/NDF: 3226755.6/45
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:4361999.4/37
Out: 0.000+/-0.000 χ²/NDF:4637881.4/42
All: 0.000+/-0.000 χ²/NDF: 9062692.5/80

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:32.2/23

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: 57.2/45

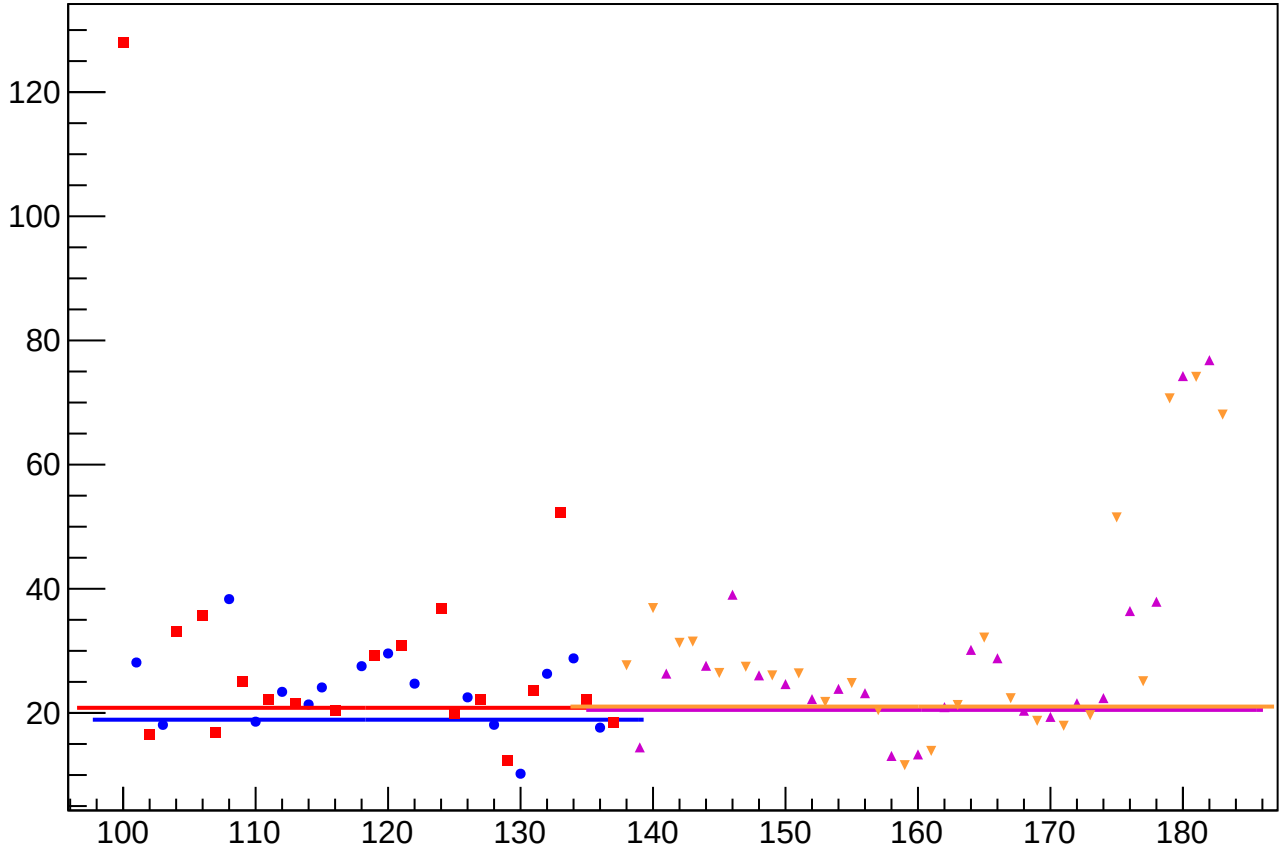
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:46.7/37

Out: -0.005+/-0.005 χ^2/NDF:49.2/42

All: -0.003+/-0.003 χ^2/NDF: 96.2/80

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: 21.025+/-0.004 χ^2/NDF:5333005.9/23

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: 20.758+/-0.003 χ^2/NDF: 9715571.2/45

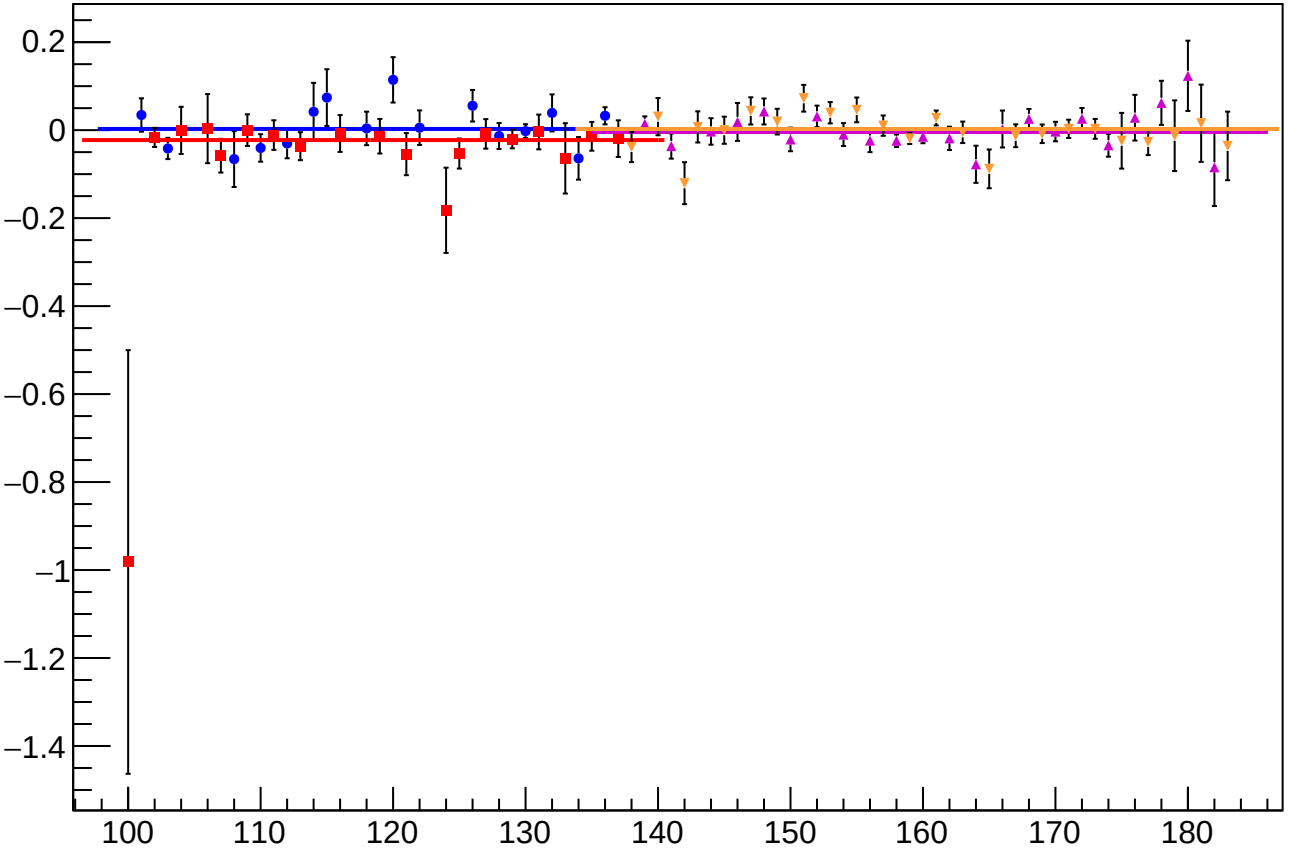
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.975+/-0.003 χ^2/NDF:5818585.7/37

Out: 20.966+/-0.003 χ^2/NDF:6625322.7/42

All: 20.457+/-0.002 χ^2/NDF: 12491899.8/80

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:32.2/23

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: 57.2/45

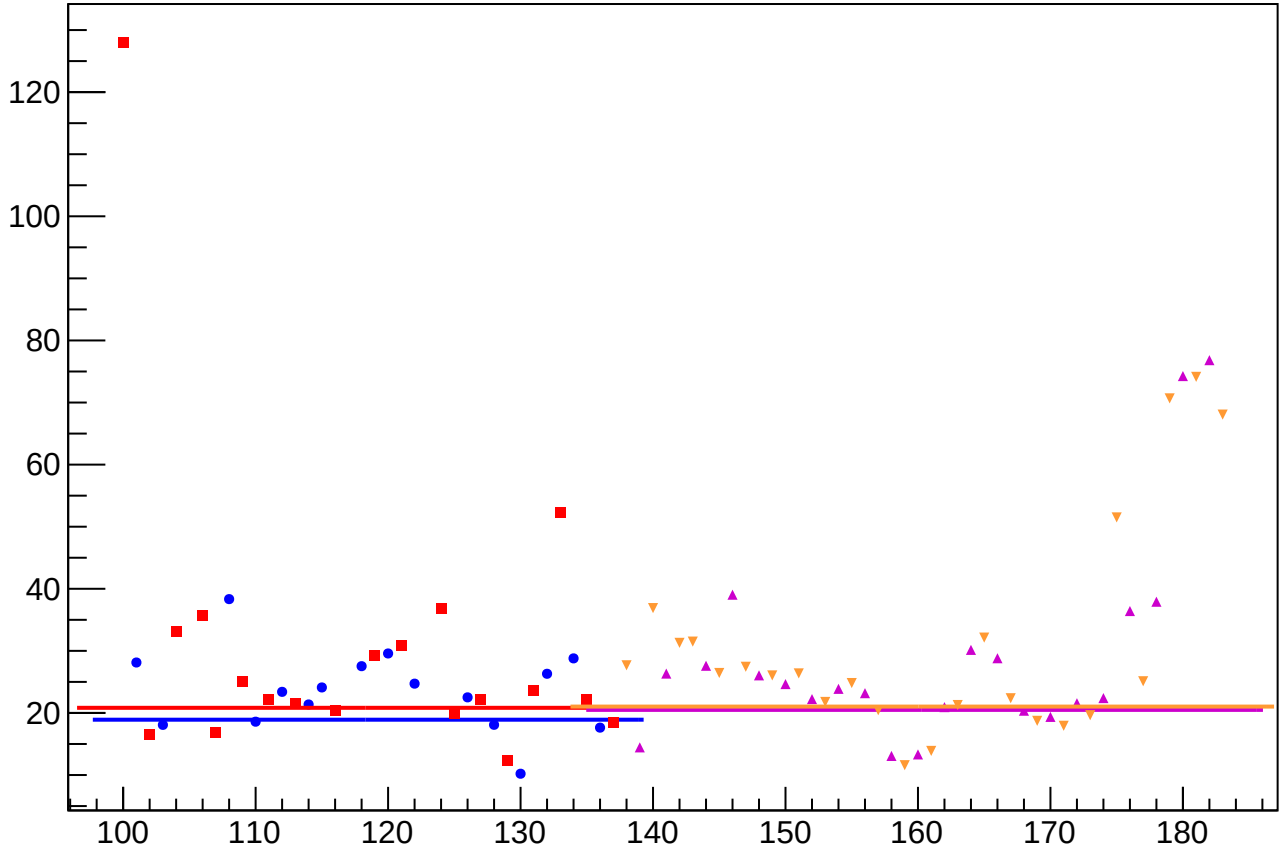
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:46.7/37

Out: -0.005+/-0.005 χ^2/NDF:49.2/42

All: -0.003+/-0.003 χ^2/NDF: 96.2/80

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: 21.025+/-0.004 χ^2/NDF:5333005.9/23

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.492+/-0.004 χ^2/NDF:4373025.4/21

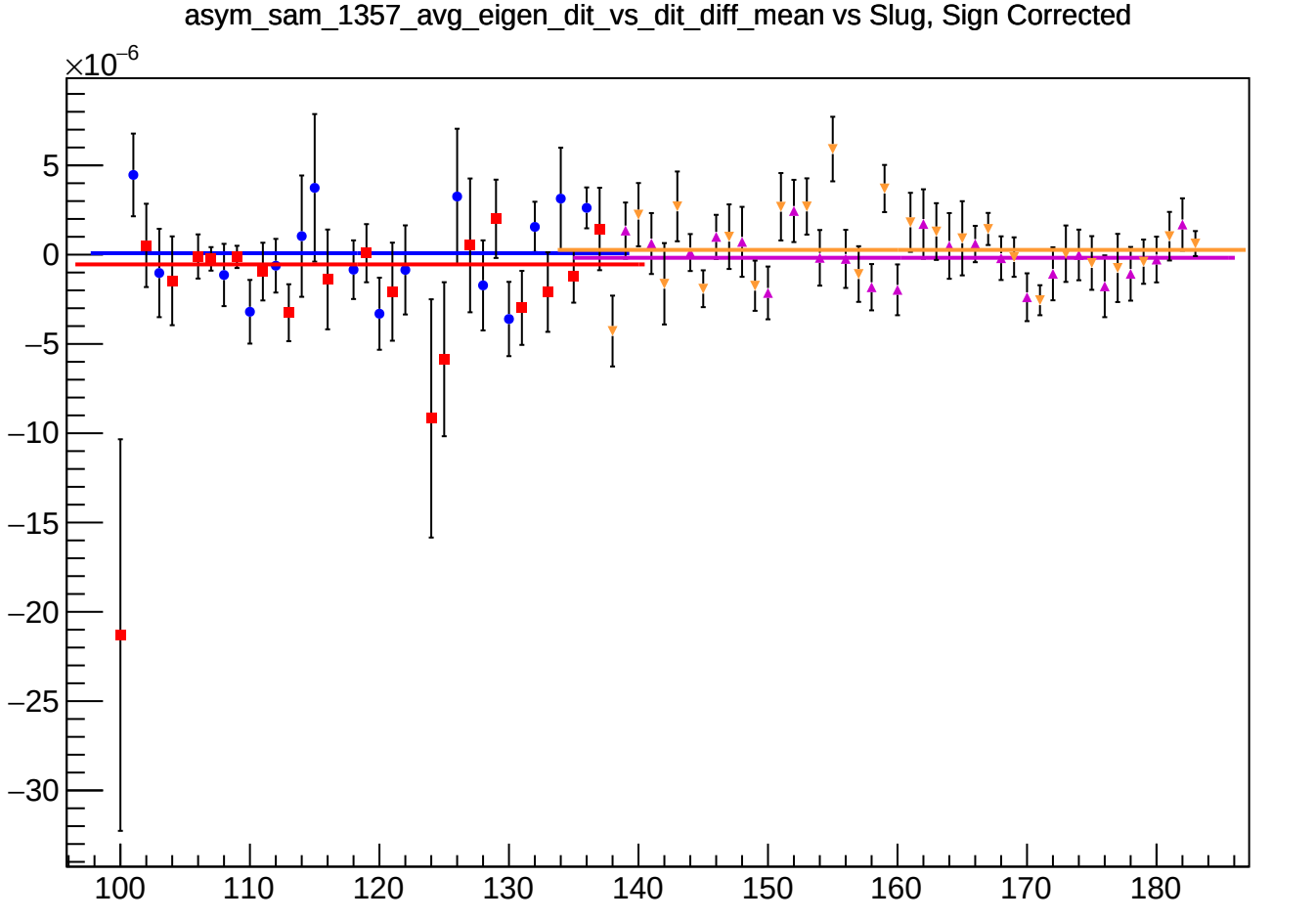
Left: 20.758+/-0.003 χ^2/NDF: 9715571.2/45

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.975+/-0.003 χ^2/NDF:5818585.7/37

Out: 20.966+/-0.003 χ^2/NDF:6625322.7/42

All: 20.457+/-0.002 χ^2/NDF: 12491899.8/80



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.2/21

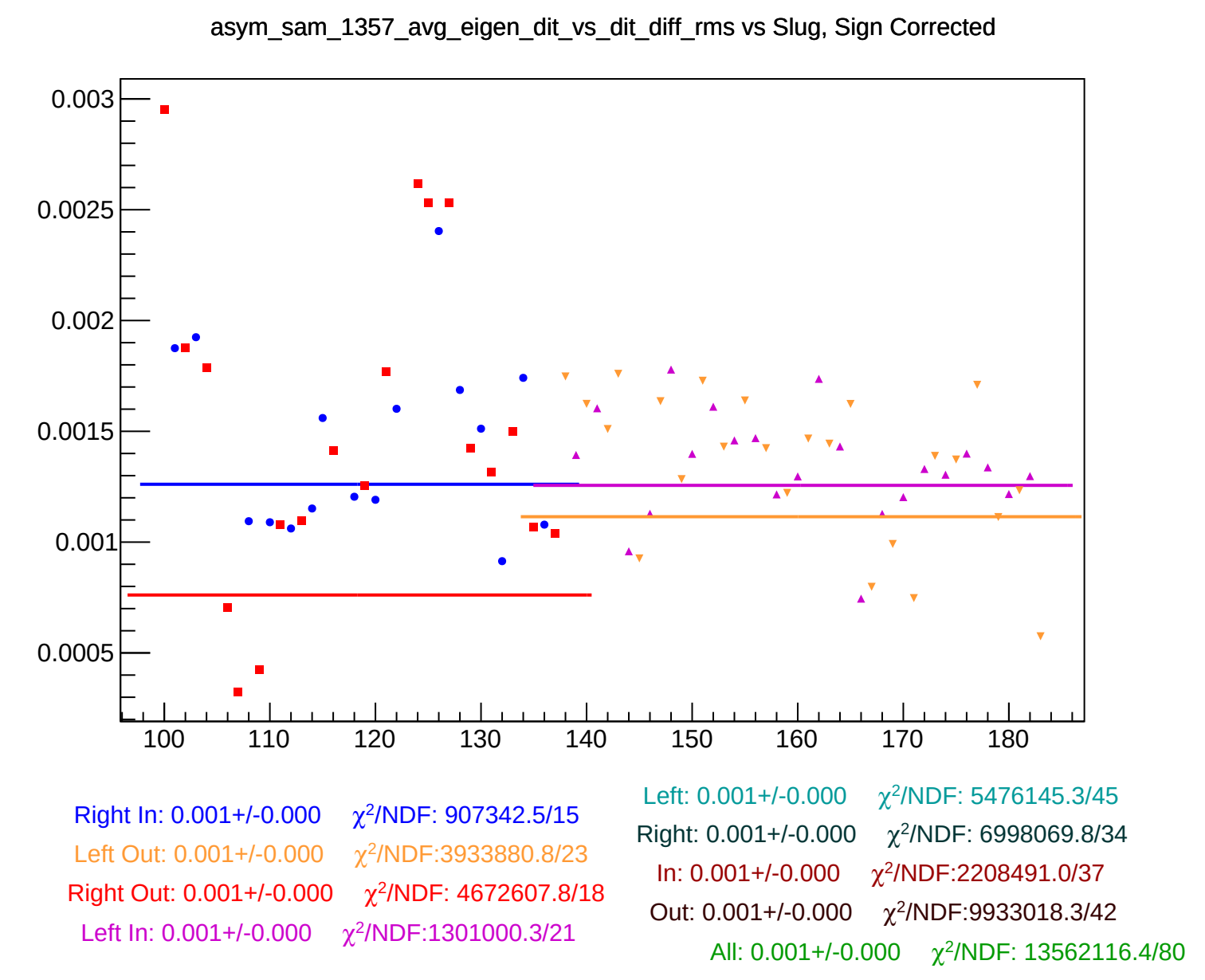
Left: 0.000+/-0.000 χ^2/NDF: 70.9/45

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

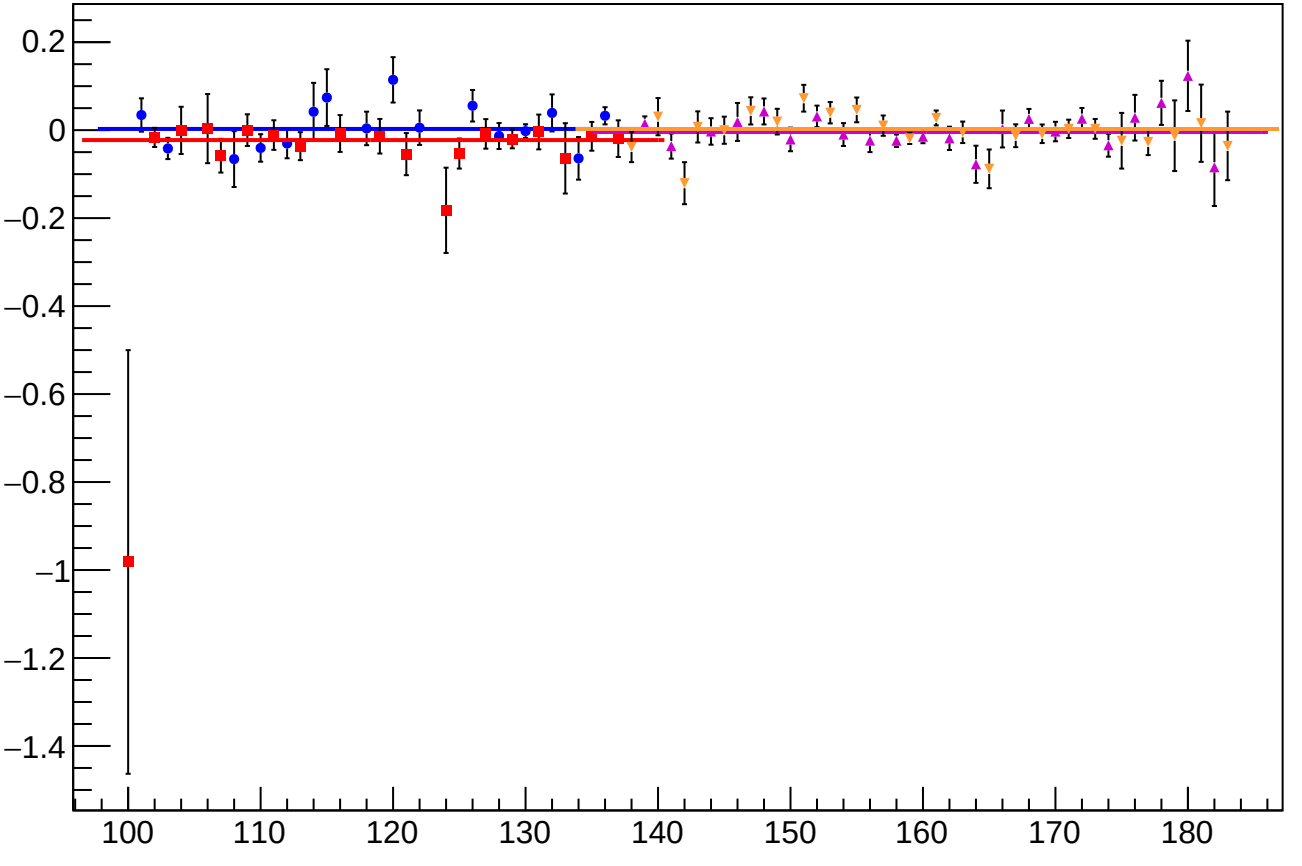
In: -0.000+/-0.000 χ^2/NDF:40.9/37

Out: -0.000+/-0.000 χ^2/NDF:71.7/42

All: -0.000+/-0.000 χ^2/NDF: 112.6/80


asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:3933880.8/23
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:1301000.3/21
Left: 0.001+/-0.000 χ²/NDF: 5476145.3/45
Right: 0.001+/-0.000 χ²/NDF: 6998069.8/34
In: 0.001+/-0.000 χ²/NDF:2208491.0/37
Out: 0.001+/-0.000 χ²/NDF:9933018.3/42
All: 0.001+/-0.000 χ²/NDF: 13562116.4/80

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:32.2/23

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: 57.2/45

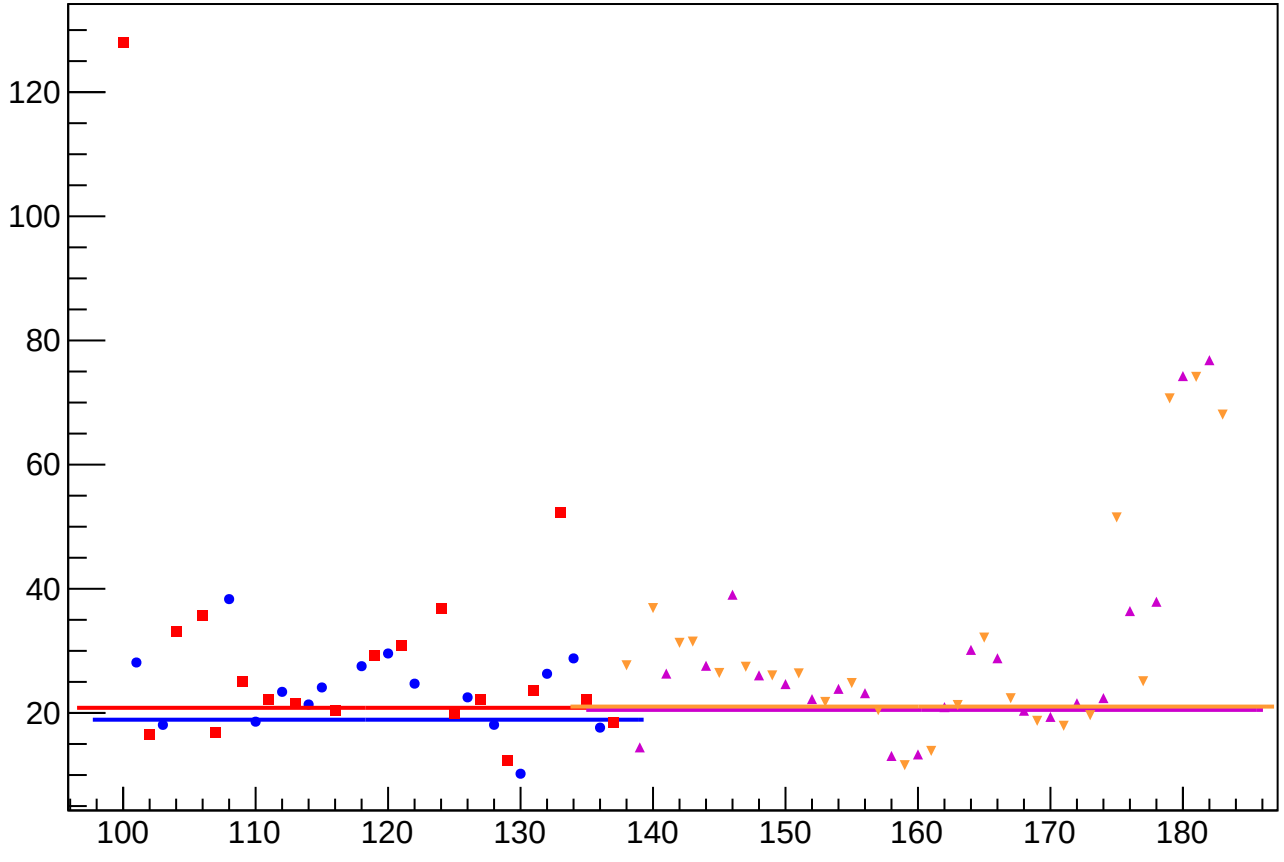
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:46.7/37

Out: -0.005+/-0.005 χ^2/NDF:49.2/42

All: -0.003+/-0.003 χ^2/NDF: 96.2/80

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: 21.025+/-0.004 χ^2/NDF:5333143.5/23

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.492+/-0.004 χ^2/NDF:4373032.0/21

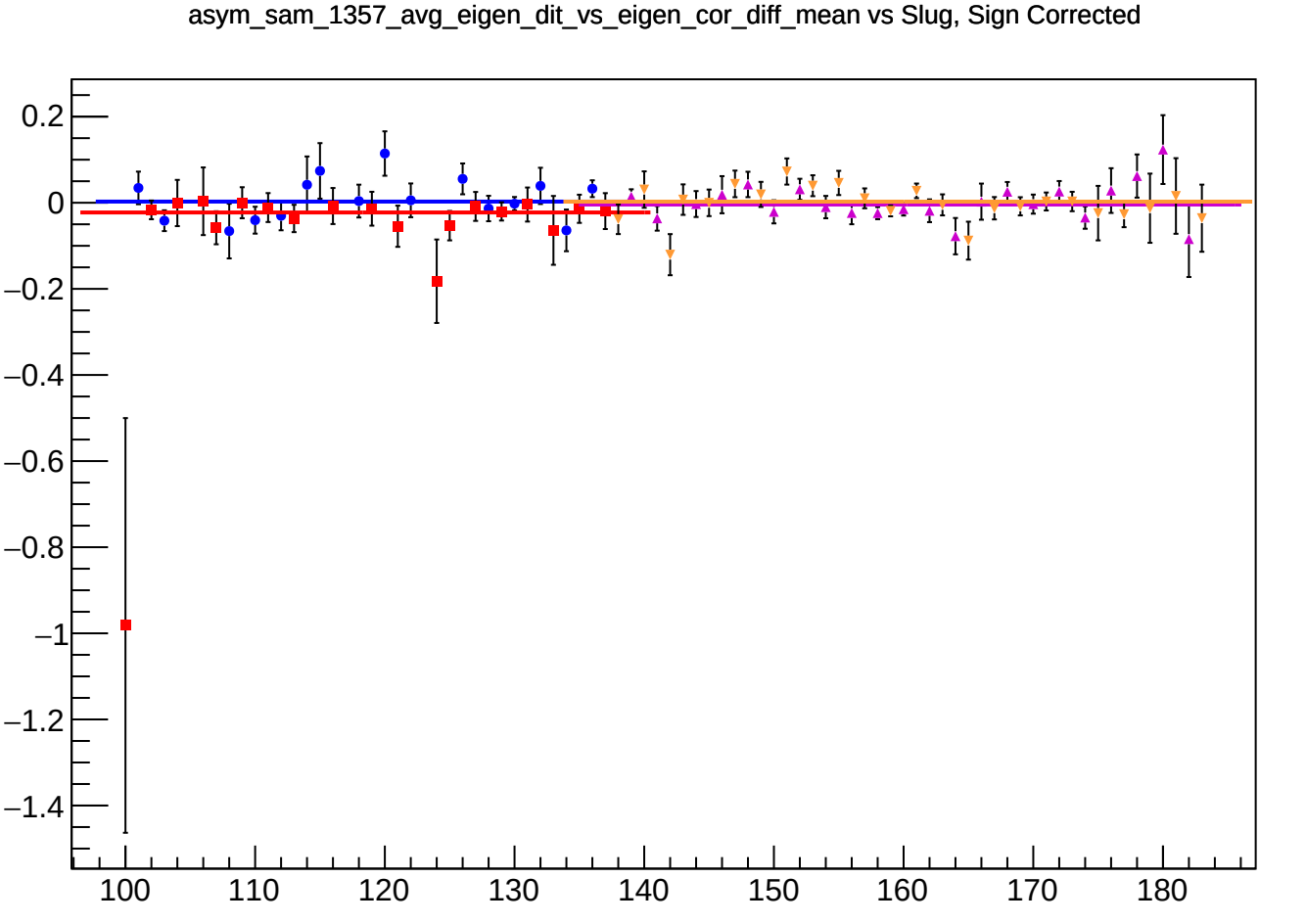
Left: 20.758+/-0.003 χ^2/NDF: 9715709.2/45

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

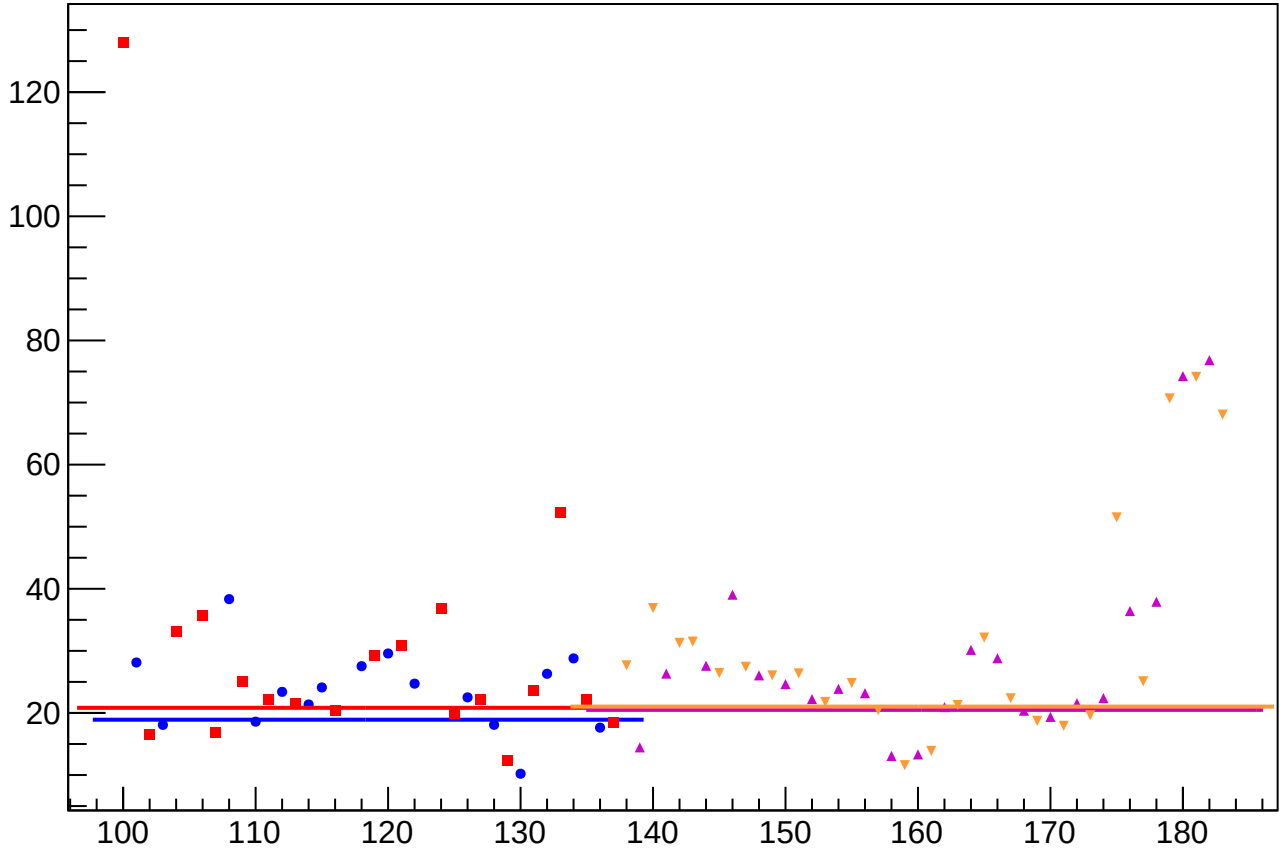
In: 19.975+/-0.003 χ^2/NDF:5818461.7/37

Out: 20.966+/-0.003 χ^2/NDF:6625455.1/42

All: 20.458+/-0.002 χ^2/NDF: 12491889.2/80


asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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: 0.003+/-0.008 χ²/NDF: 22.0/15
Left Out: 0.003+/-0.005 χ²/NDF:32.2/23
Right Out: -0.023+/-0.008 χ²/NDF: 10.8/18
Left In: -0.004+/-0.005 χ²/NDF:24.3/21
Left: -0.001+/-0.004 χ²/NDF: 57.2/45
Right: -0.009+/-0.006 χ²/NDF: 37.5/34
In: -0.002+/-0.004 χ²/NDF:46.7/37
Out: -0.005+/-0.005 χ²/NDF:49.2/42
All: -0.003+/-0.003 χ²/NDF: 96.2/80

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: 21.025+/-0.004 χ^2/NDF:5333143.5/23

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.492+/-0.004 χ^2/NDF:4373032.0/21

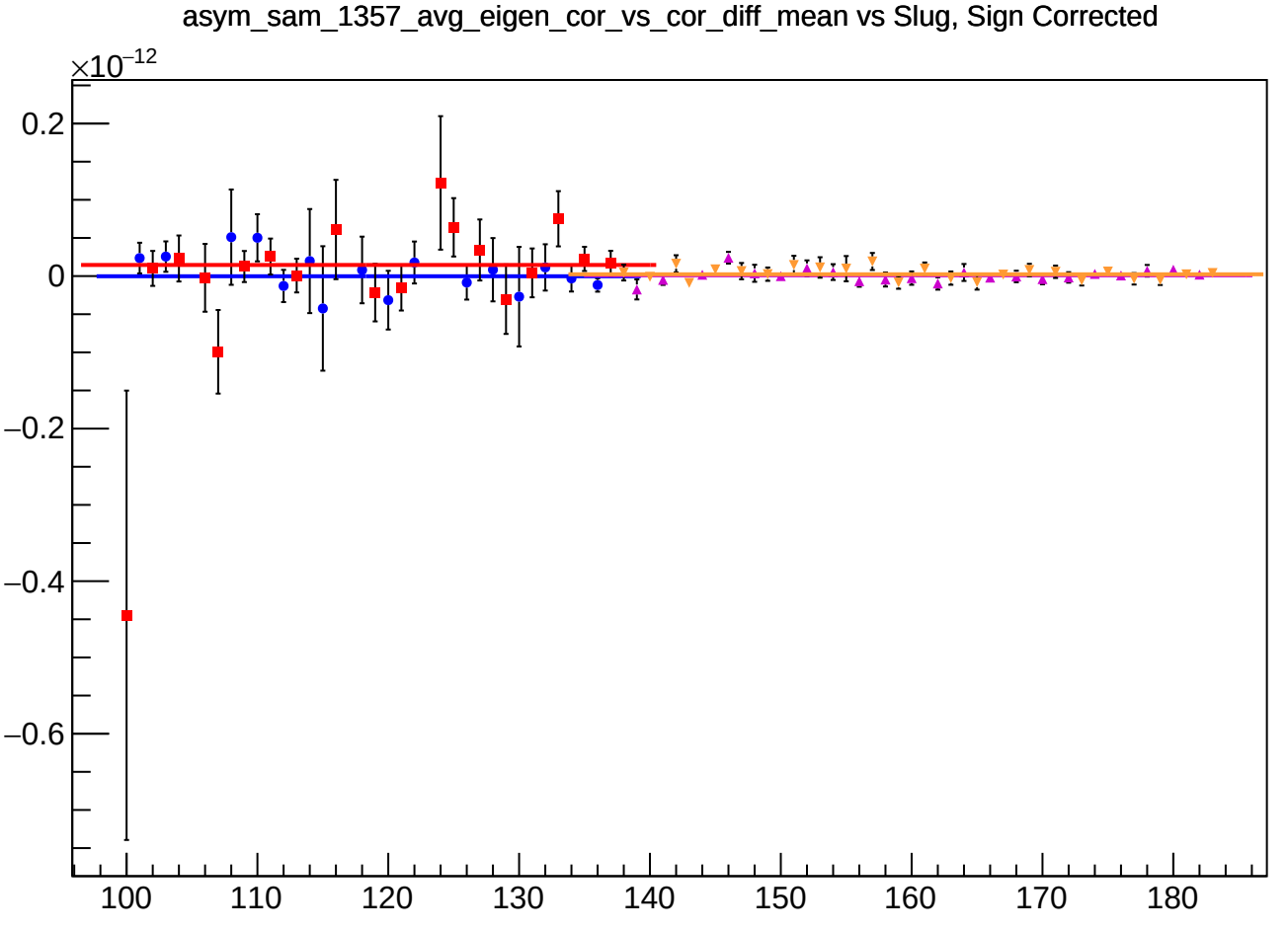
Left: 20.758+/-0.003 χ^2/NDF: 9715709.2/45

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.975+/-0.003 χ^2/NDF:5818461.7/37

Out: 20.966+/-0.003 χ^2/NDF:6625455.1/42

All: 20.458+/-0.002 χ^2/NDF: 12491889.2/80



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:19.6/21

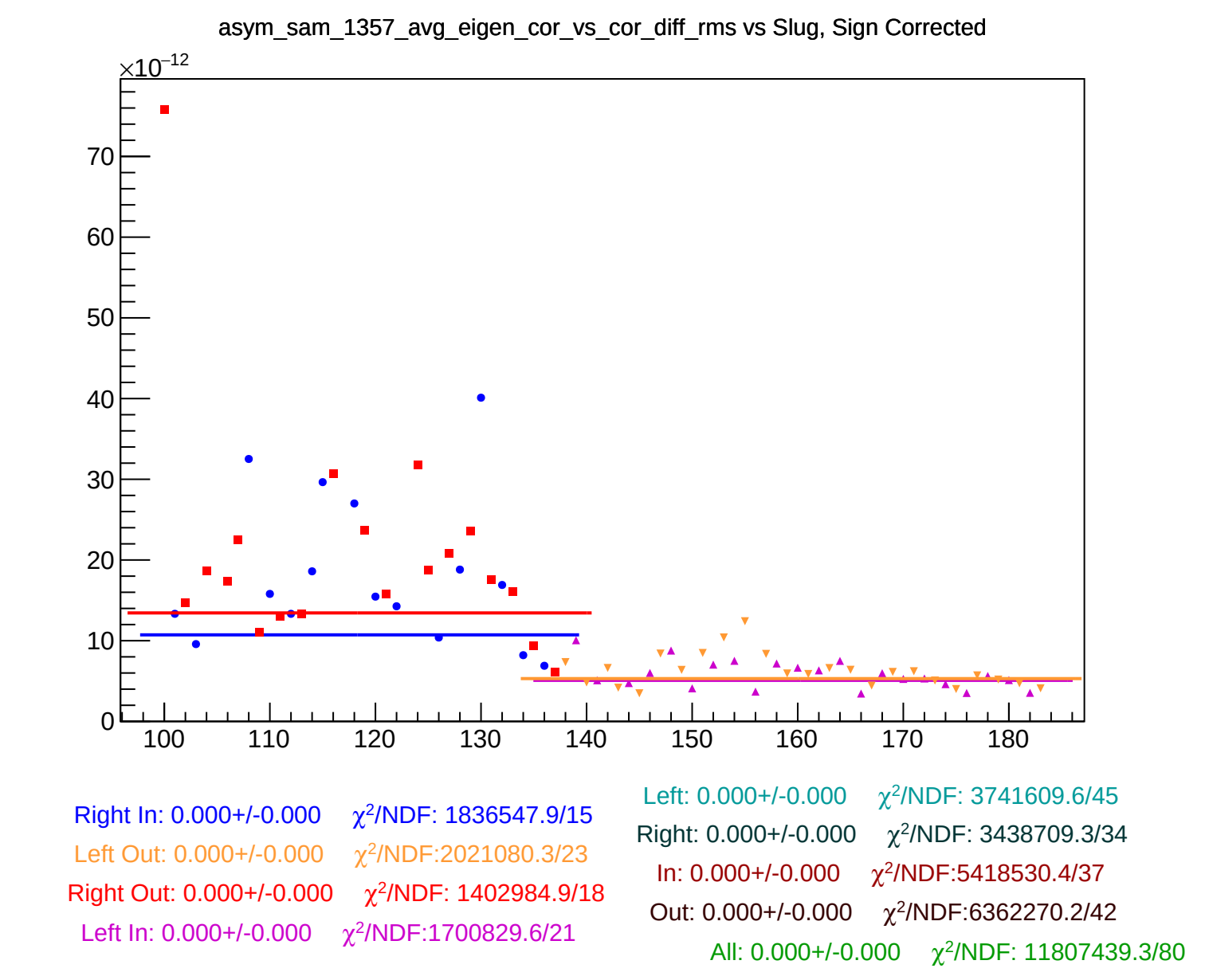
Left: 0.000+/-0.000 χ^2/NDF: 39.1/45

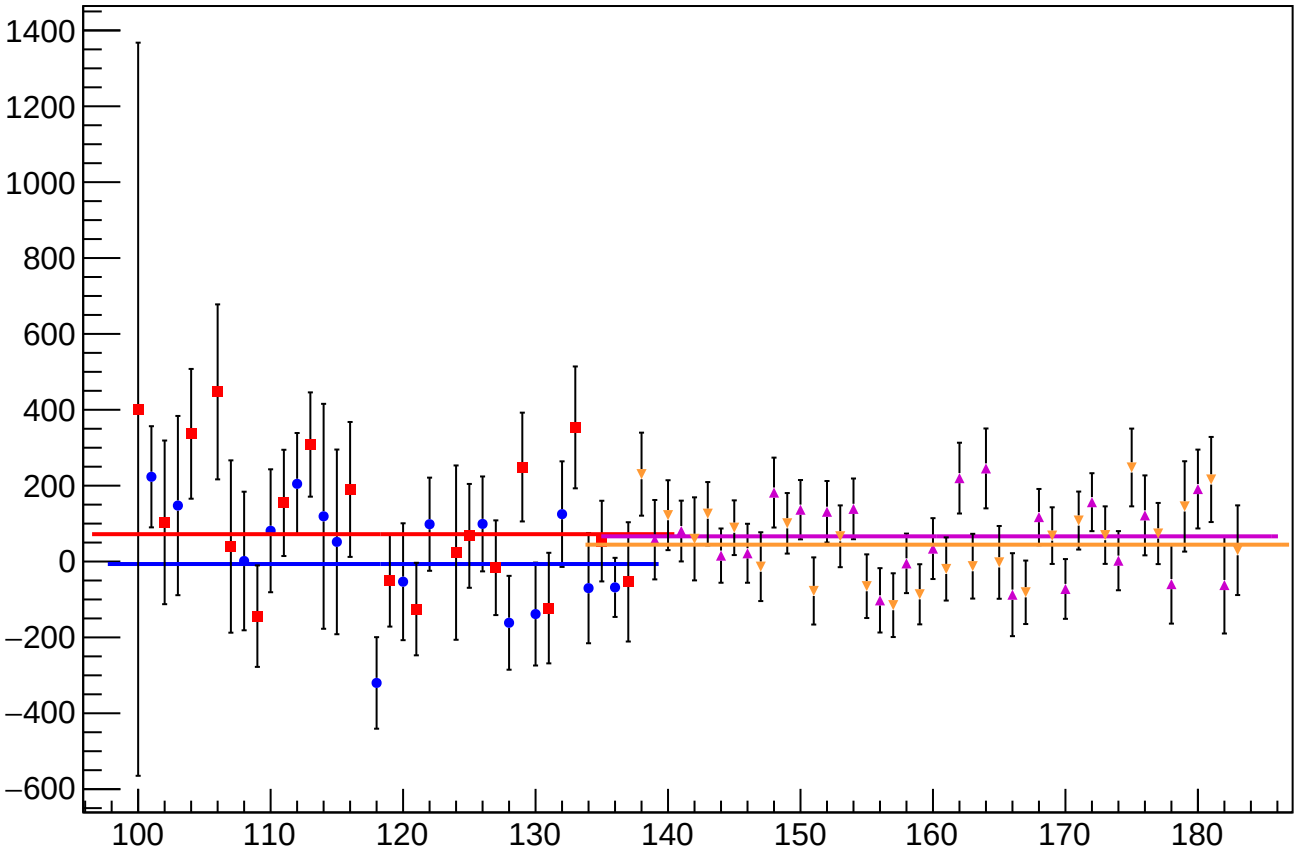
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:30.1/37

Out: 0.000+/-0.000 χ^2/NDF:40.1/42

All: 0.000+/-0.000 χ^2/NDF: 71.2/80


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2021080.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:1700829.6/21
Left: 0.000+/-0.000 χ²/NDF: 3741609.6/45
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:5418530.4/37
Out: 0.000+/-0.000 χ²/NDF:6362270.2/42
All: 0.000+/-0.000 χ²/NDF: 11807439.3/80



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 44.448+/-17.821 χ^2/NDF:27.4/23

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: 55.091+/-12.796 χ^2/NDF: 55.2/45

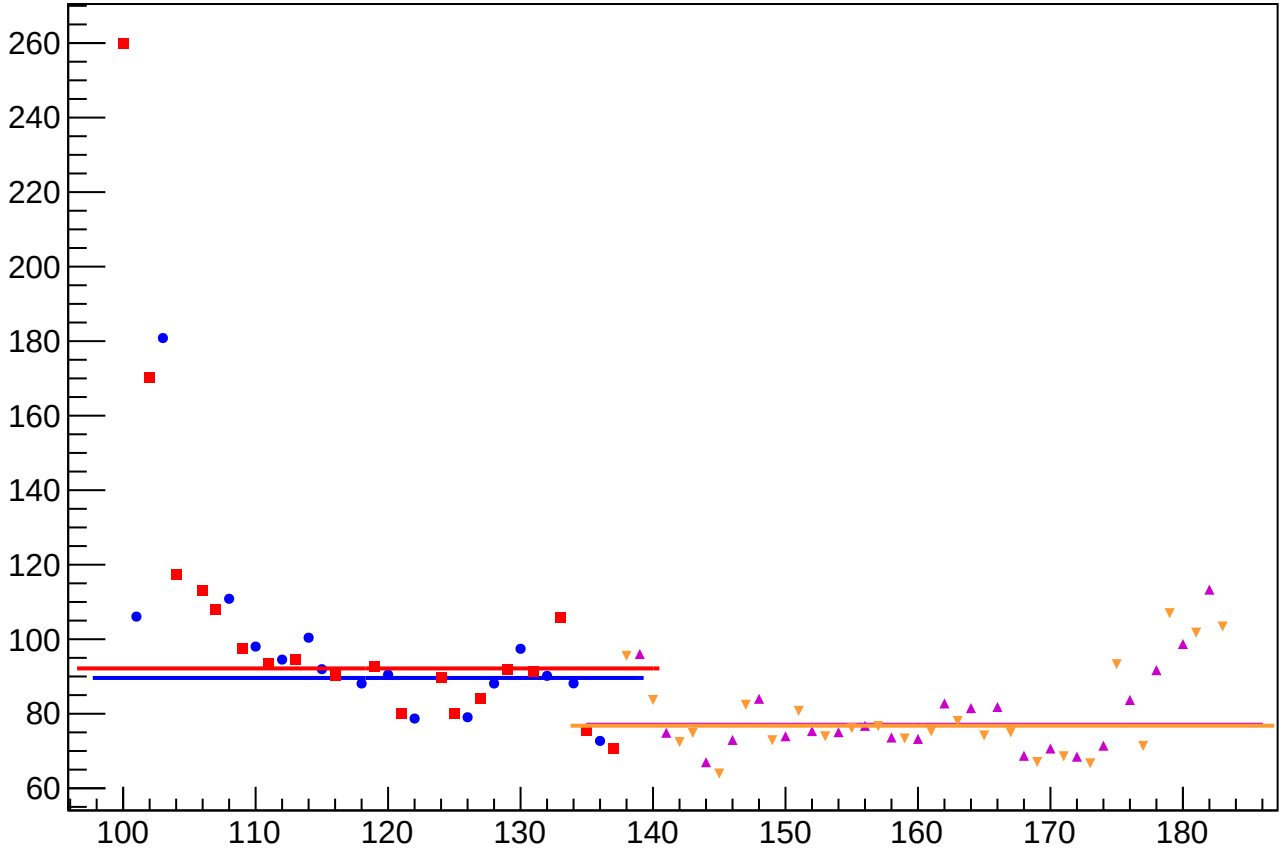
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 50.122+/-16.202 χ^2/NDF:49.5/37

Out: 50.176+/-15.870 χ^2/NDF:50.7/42

All: 50.150+/-11.337 χ^2/NDF: 100.2/80

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.791+/-0.013 χ^2/NDF:647007.4/23

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 77.058+/-0.013 χ^2/NDF:521860.2/21

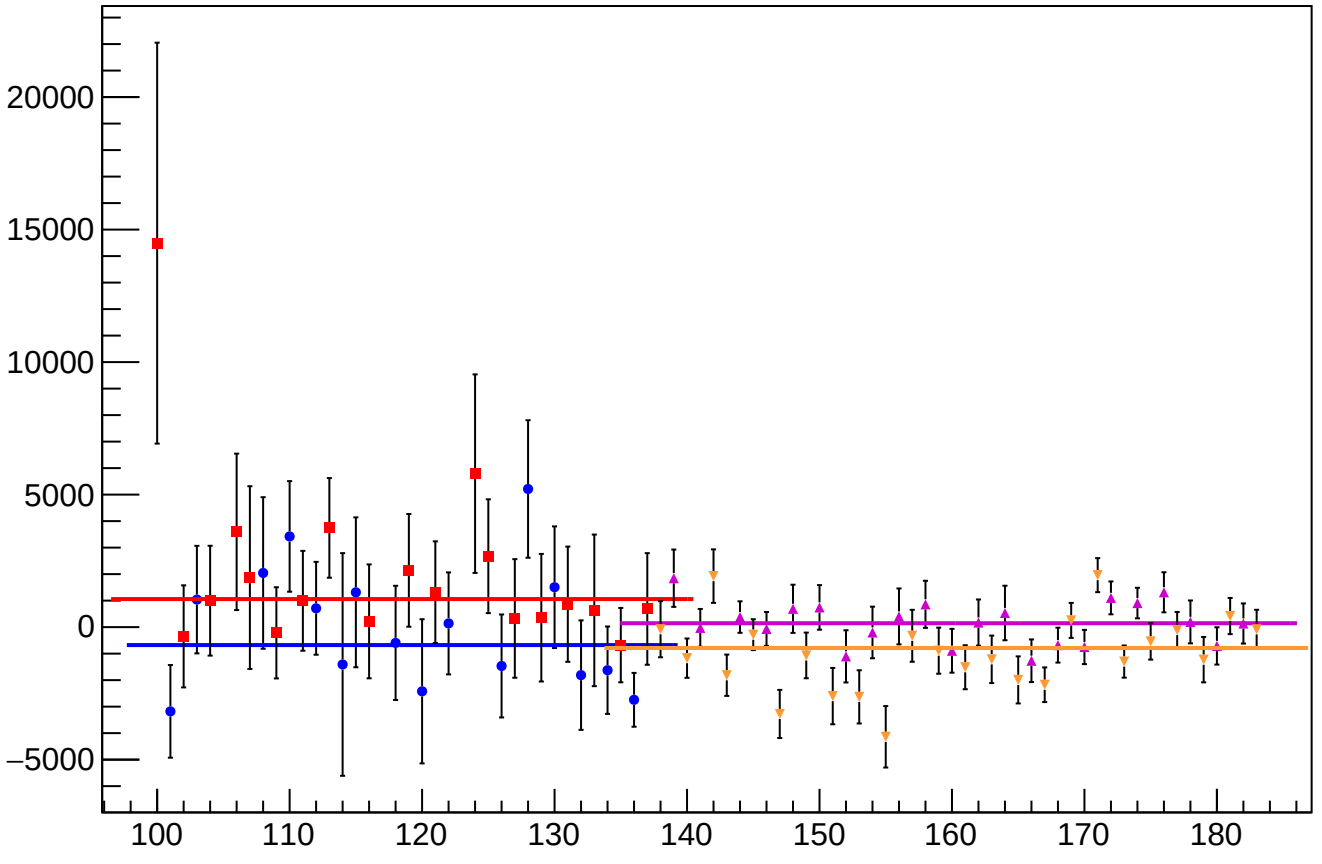
Left: 76.920+/-0.009 χ^2/NDF: 1169084.8/45

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 79.859+/-0.011 χ^2/NDF:1228234.6/37

Out: 79.972+/-0.011 χ^2/NDF:1497013.0/42

All: 79.917+/-0.008 χ^2/NDF: 2725297.1/80



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -787.730+/-159.732 χ^2/NDF:67.2/23

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 147.210+/-163.103 χ^2/NDF:22.4/21

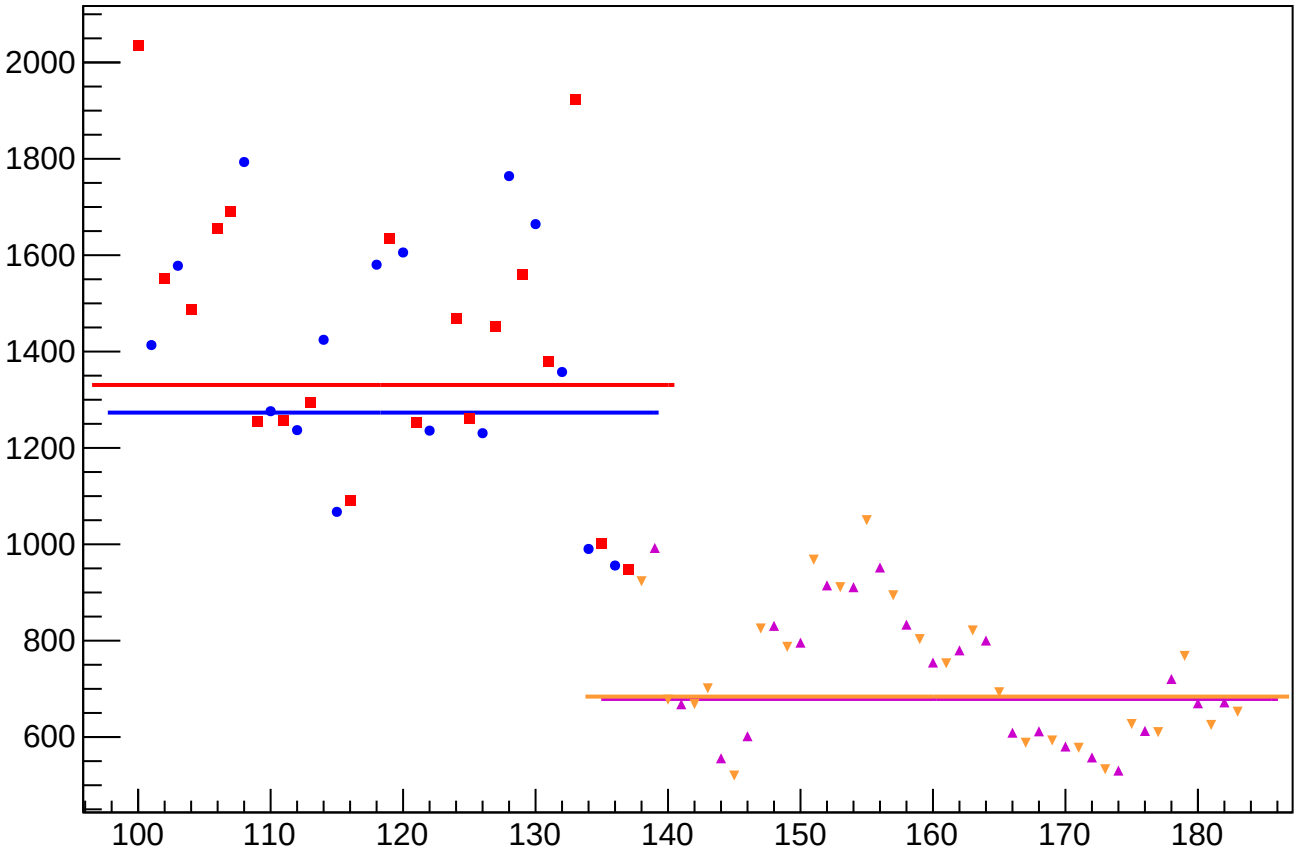
Left: -330.023+/-114.121 χ^2/NDF: 106.4/45

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 63.885+/-154.643 χ^2/NDF:45.2/37

Out: -614.447+/-152.052 χ^2/NDF:91.2/42

All: -281.011+/-108.422 χ^2/NDF: 146.2/80



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 683.959+/-0.113 χ^2/NDF:1309762.9/23

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: 681.561+/-0.081 χ^2/NDF: 2495357.4/45

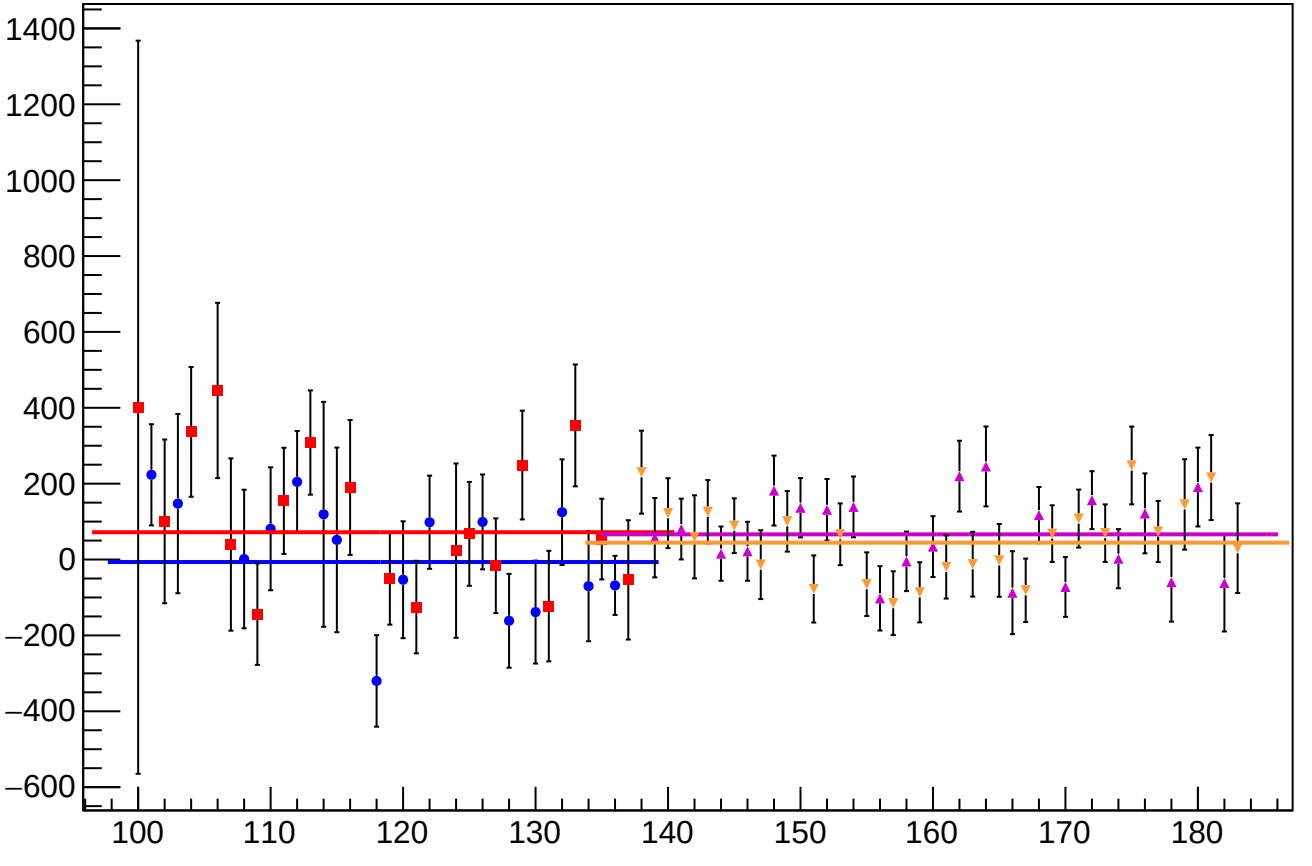
Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 739.110+/-0.109 χ^2/NDF:4465036.5/37

Out: 744.651+/-0.108 χ^2/NDF:4857231.3/42

All: 741.927+/-0.077 χ^2/NDF: 9323573.3/80

cor_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 44.453+/-17.821 χ^2/NDF:27.4/23

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: 55.094+/-12.796 χ^2/NDF: 55.2/45

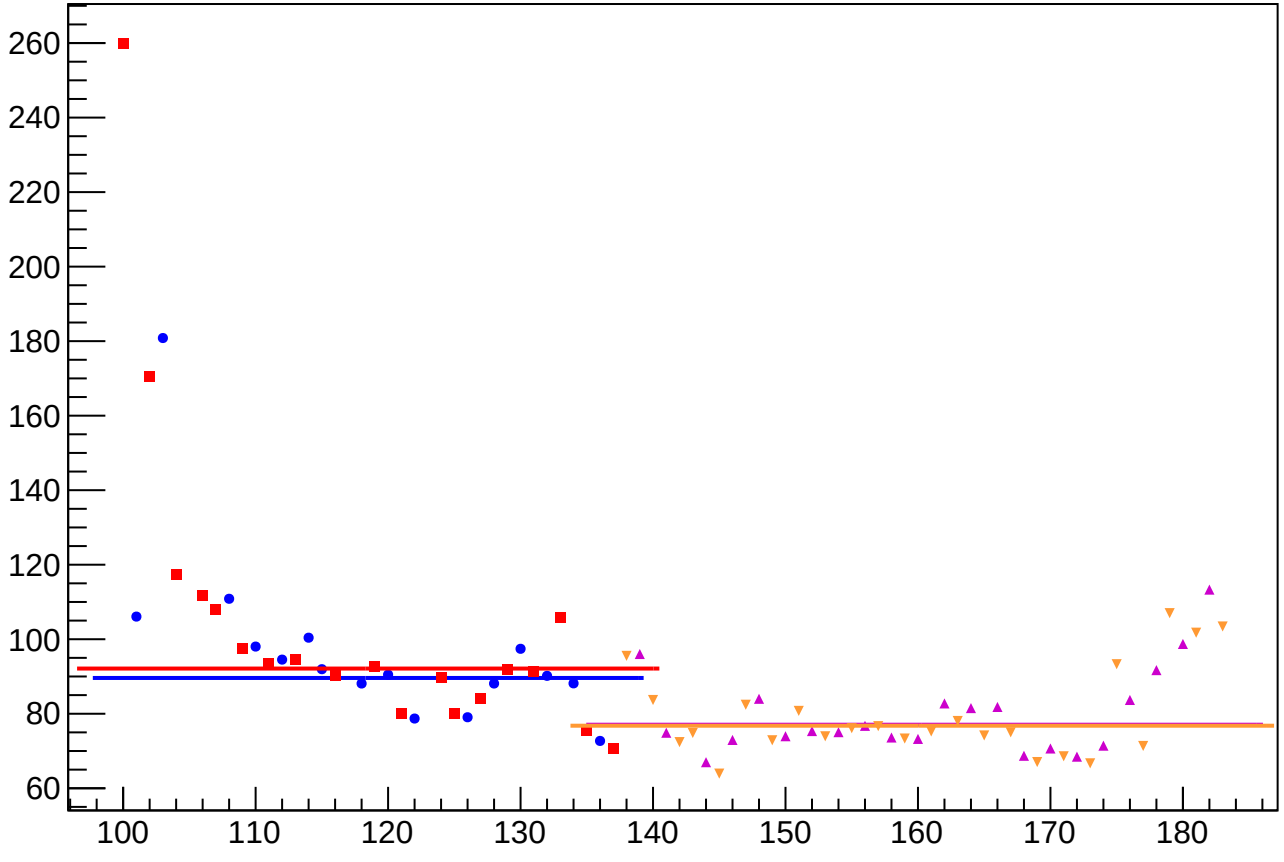
Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 50.120+/-16.202 χ^2/NDF:49.5/37

Out: 50.150+/-15.870 χ^2/NDF:50.7/42

All: 50.135+/-11.337 χ^2/NDF: 100.2/80

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.791+/-0.013 χ^2/NDF:647007.4/23

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 77.058+/-0.013 χ^2/NDF:521860.2/21

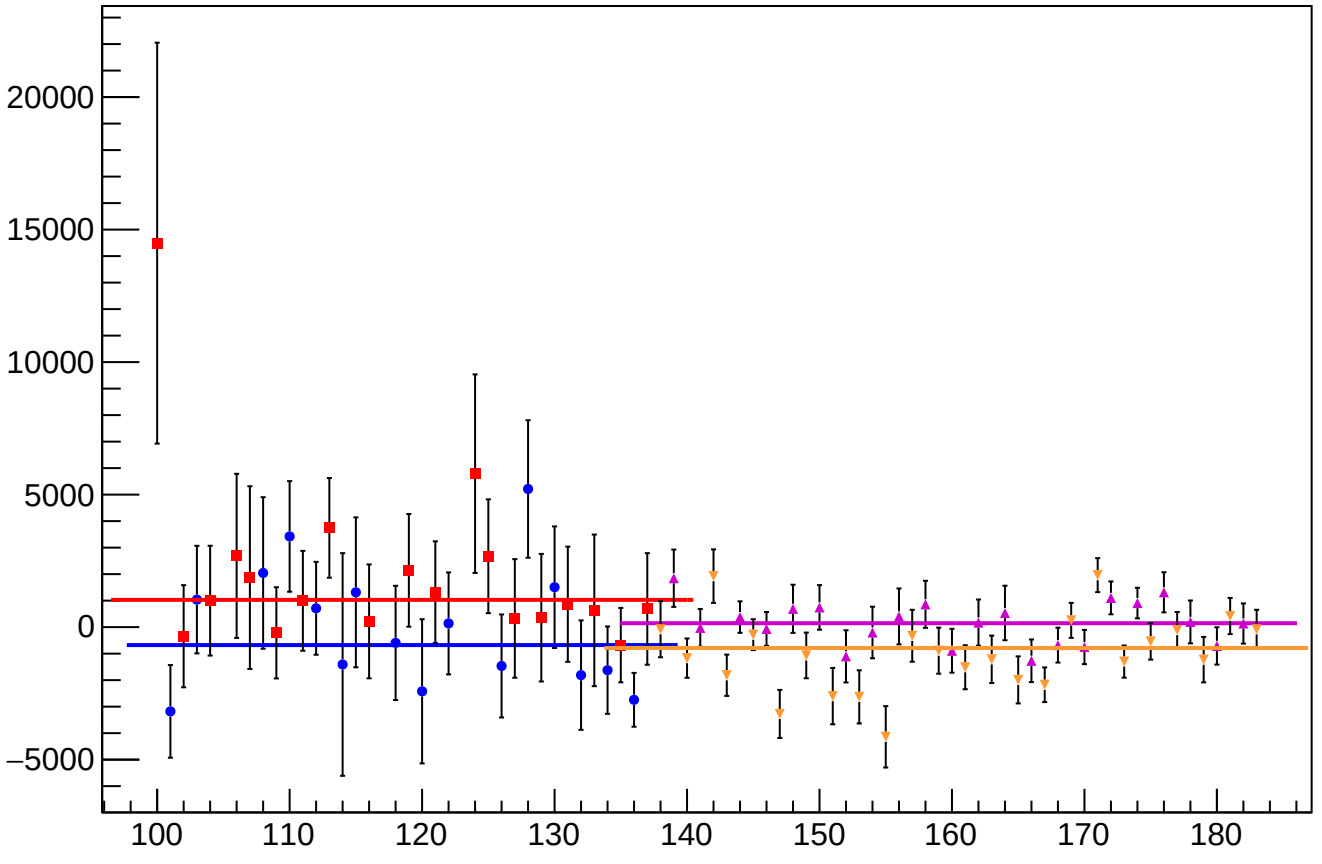
Left: 76.920+/-0.009 χ^2/NDF: 1169084.9/45

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 79.859+/-0.011 χ^2/NDF:1228238.2/37

Out: 79.965+/-0.011 χ^2/NDF:1493947.8/42

All: 79.913+/-0.008 χ^2/NDF: 2722229.6/80



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -787.724+/-159.732 χ^2/NDF:67.2/23

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: -330.020+/-114.121 χ^2/NDF: 106.4/45

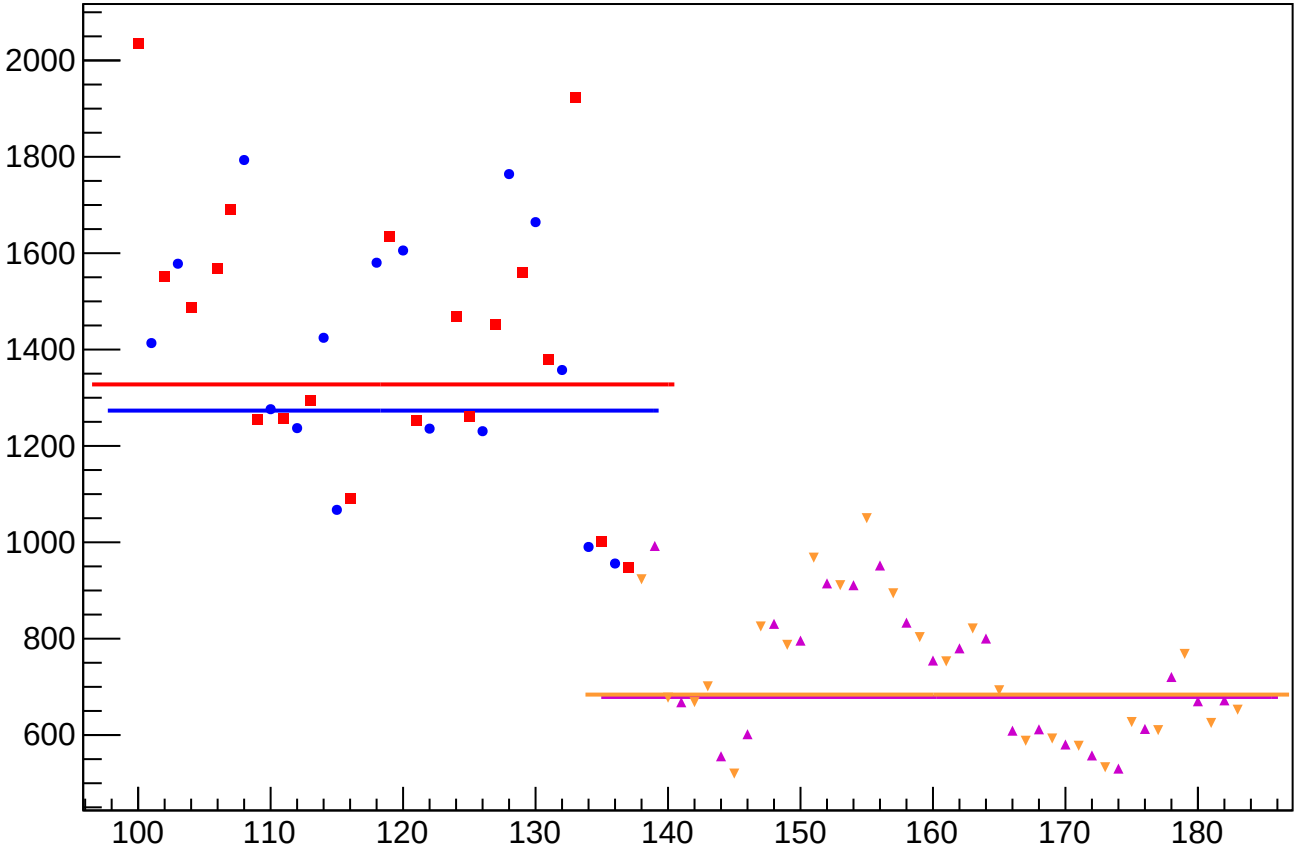
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 63.891+/-154.643 χ^2/NDF:45.2/37

Out: -617.612+/-152.071 χ^2/NDF:90.3/42

All: -282.575+/-108.429 χ^2/NDF: 145.4/80

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: 683.959+/-0.113 χ^2/NDF:1309765.9/23

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 679.060+/-0.115 χ^2/NDF:1184671.5/21

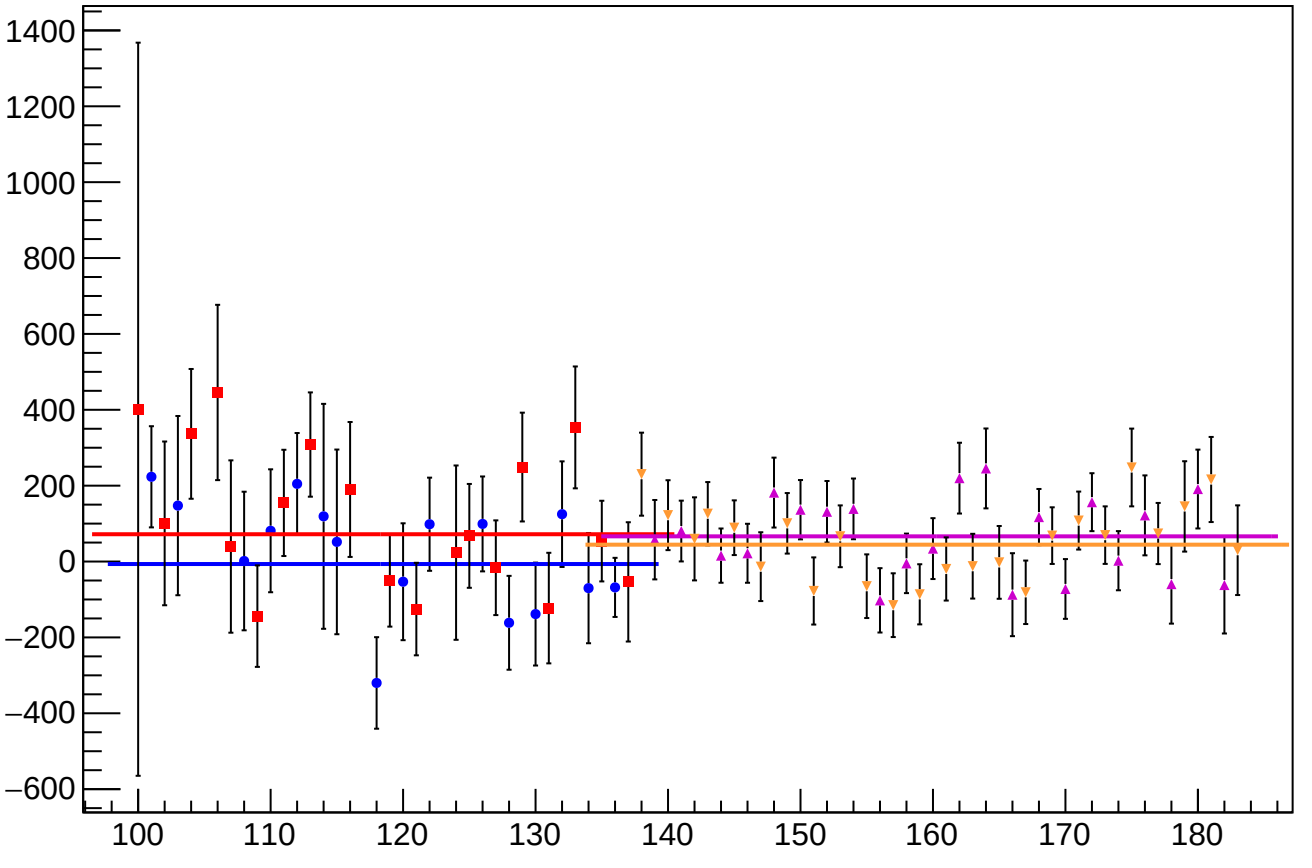
Left: 681.561+/-0.081 χ^2/NDF: 2495358.3/45

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 739.110+/-0.109 χ^2/NDF:4465070.9/37

Out: 744.220+/-0.108 χ^2/NDF:4808906.6/42

All: 741.708+/-0.077 χ^2/NDF: 9275087.6/80



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 44.453+/-17.821 χ^2/NDF:27.4/23

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 66.418+/-18.384 χ^2/NDF:27.0/21

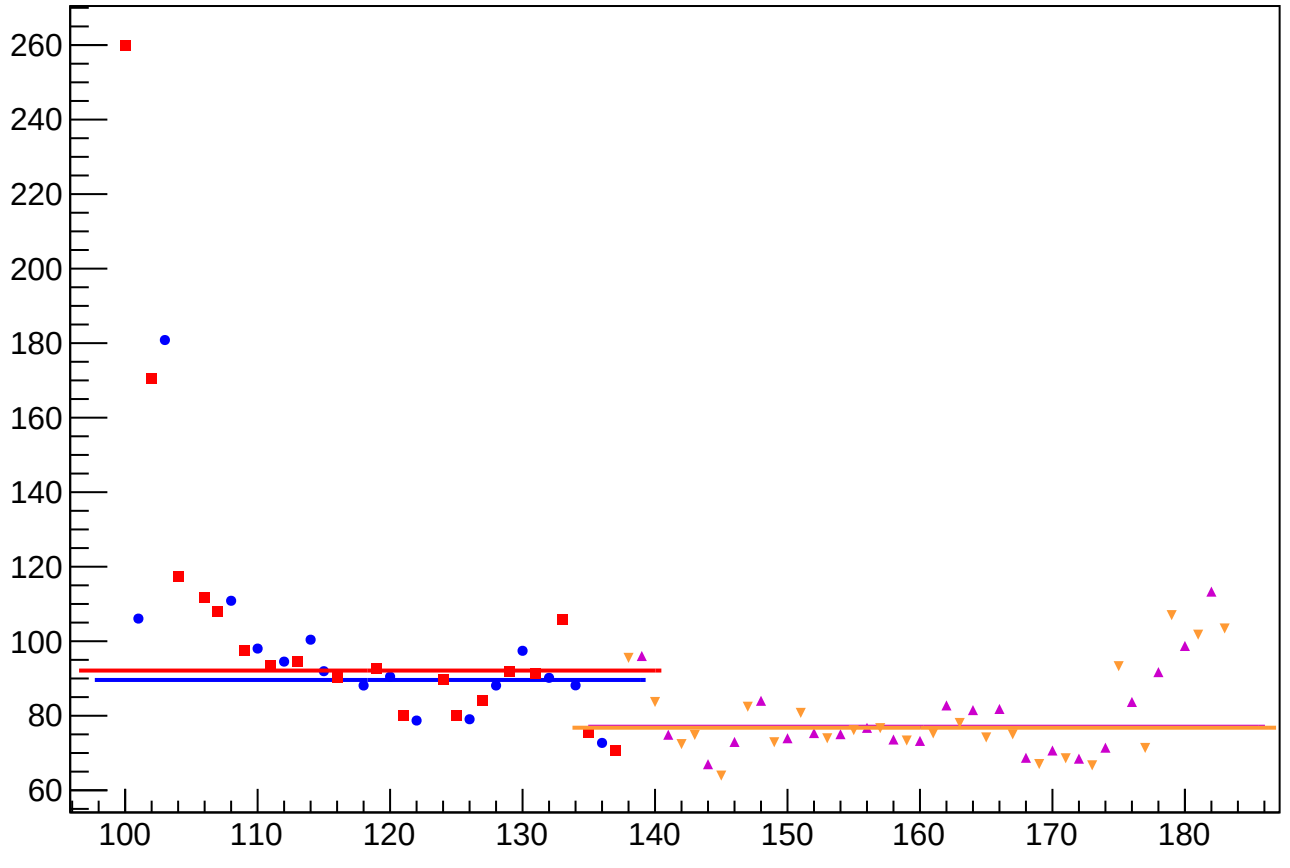
Left: 55.094+/-12.796 χ^2/NDF: 55.2/45

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 50.120+/-16.202 χ^2/NDF:49.5/37

Out: 50.150+/-15.870 χ^2/NDF:50.7/42

All: 50.135+/-11.337 χ^2/NDF: 100.2/80



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.791+/-0.013 χ^2/NDF:647007.4/23

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: 76.920+/-0.009 χ^2/NDF: 1169084.9/45

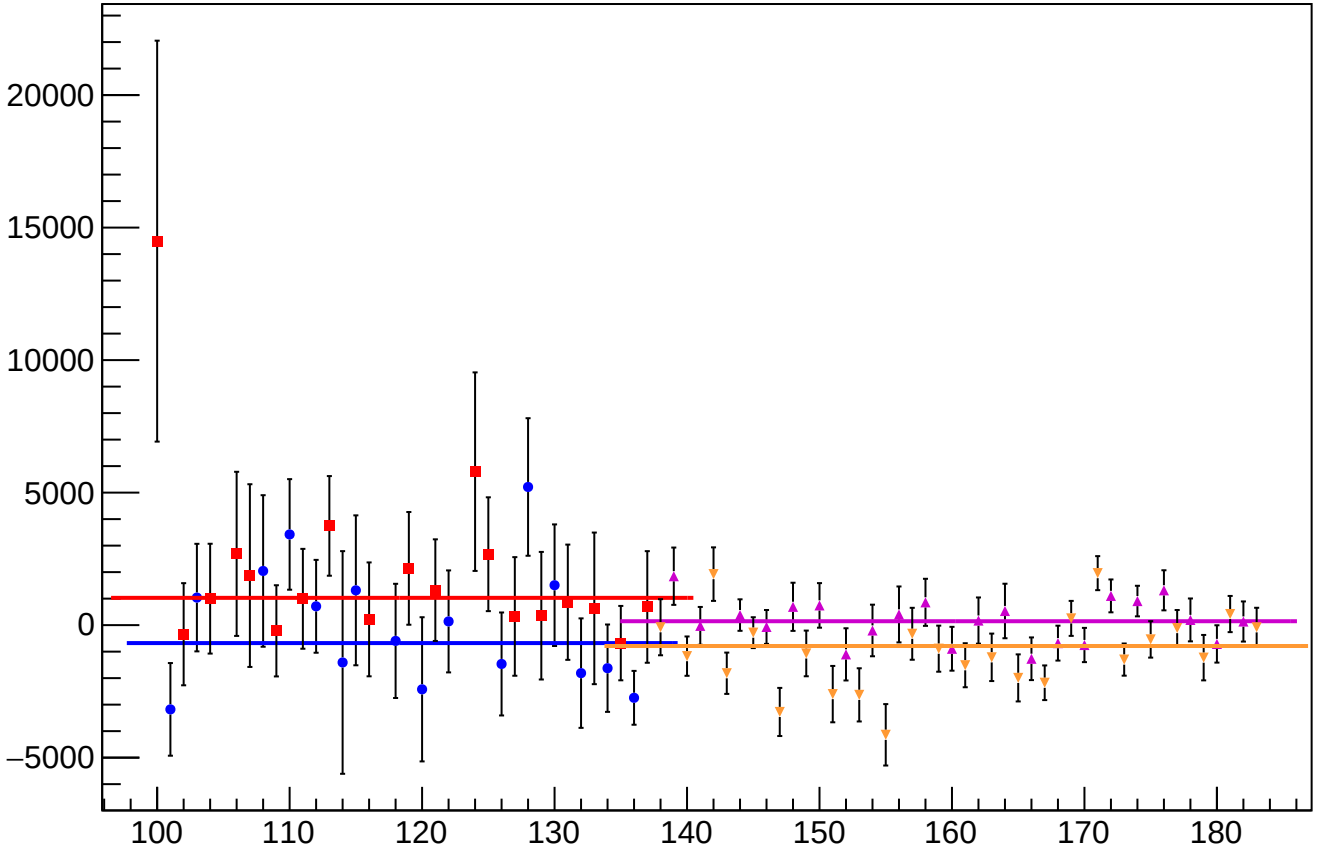
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 79.859+/-0.011 χ^2/NDF:1228238.2/37

Out: 79.965+/-0.011 χ^2/NDF:1493947.8/42

All: 79.913+/-0.008 χ^2/NDF: 2722229.6/80

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: -787.724+/-159.732 χ^2/NDF:67.2/23

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: -330.020+/-114.121 χ^2/NDF: 106.4/45

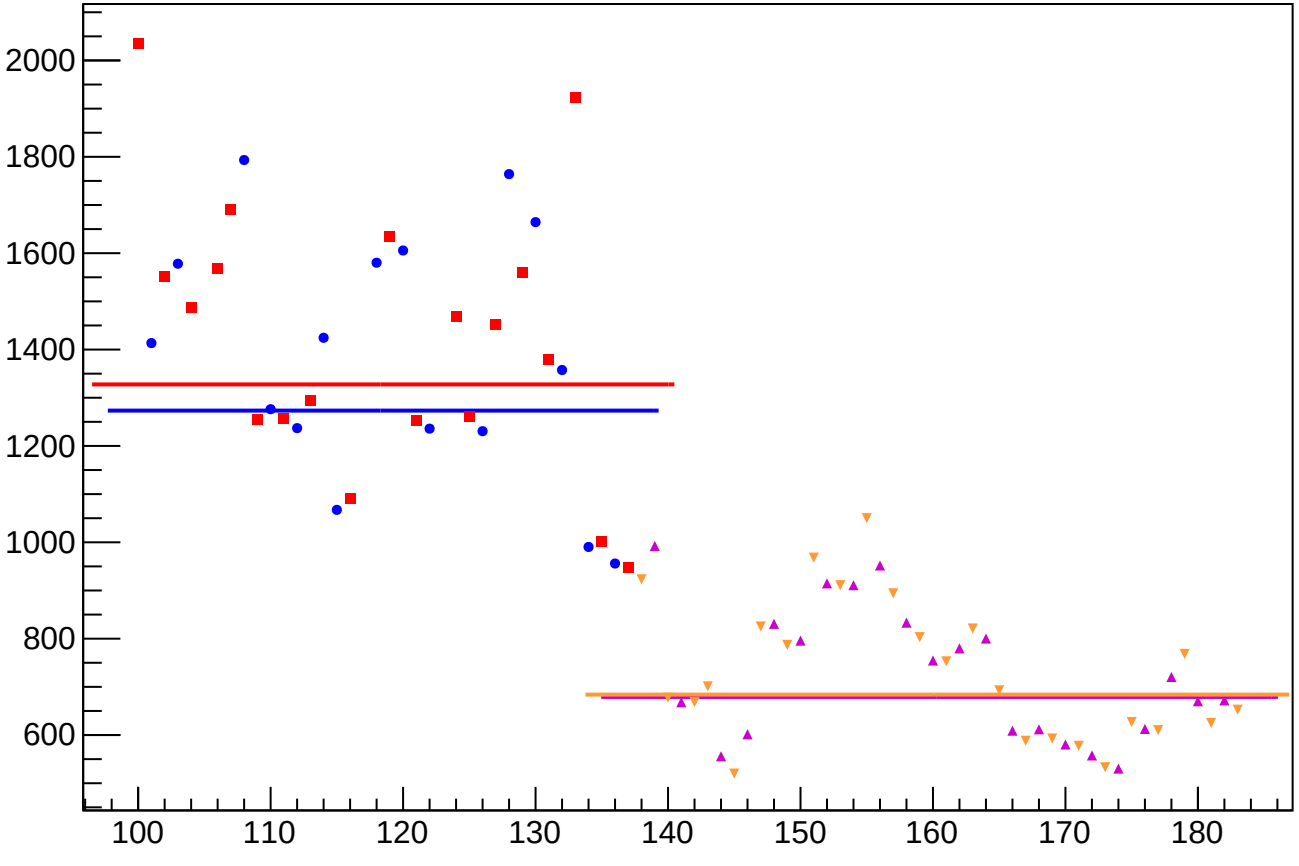
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 63.891+/-154.643 χ^2/NDF:45.2/37

Out: -617.612+/-152.071 χ^2/NDF:90.3/42

All: -282.575+/-108.429 χ^2/NDF: 145.4/80

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: 683.959+/-0.113 χ^2/NDF:1309765.9/23

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 679.060+/-0.115 χ^2/NDF:1184671.5/21

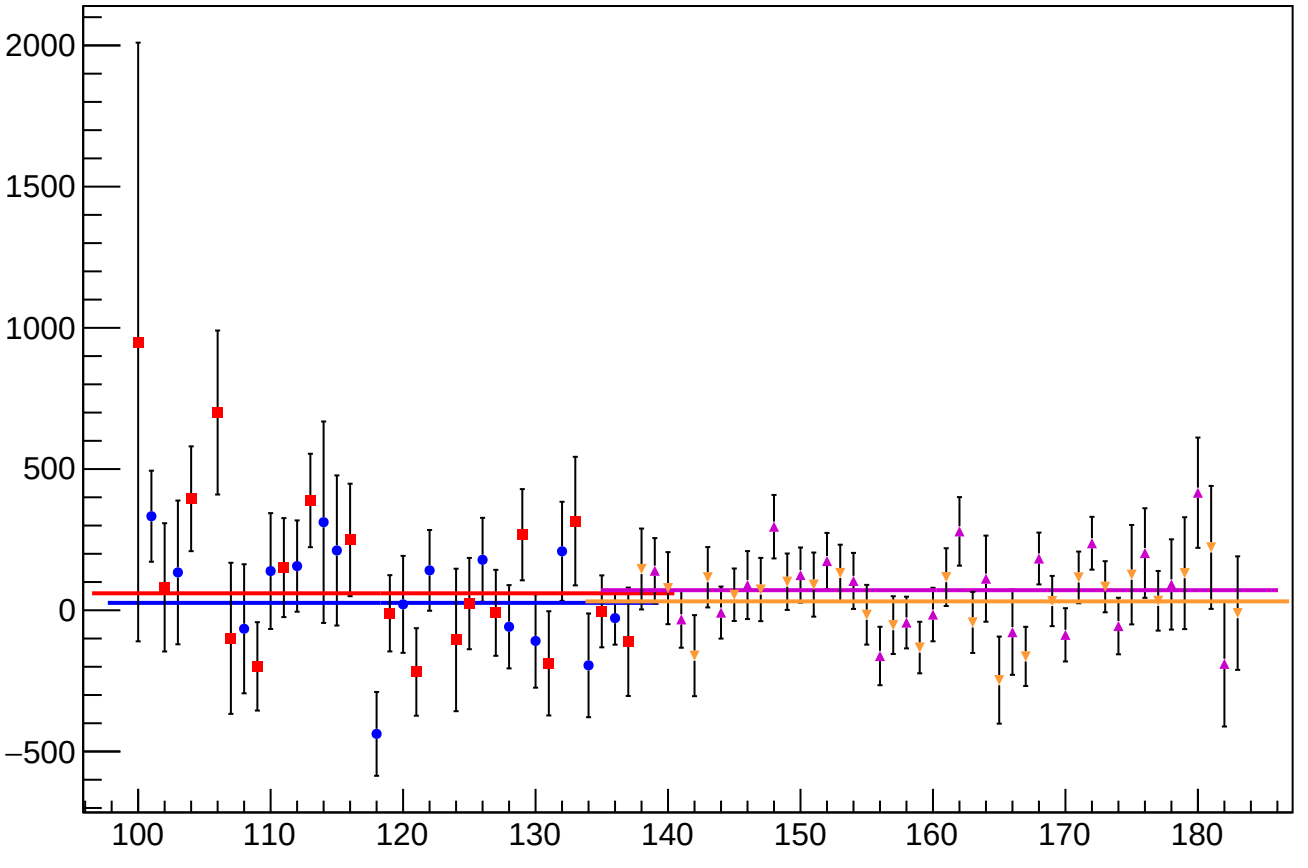
Left: 681.561+/-0.081 χ^2/NDF: 2495358.3/45

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 739.110+/-0.109 χ^2/NDF:4465070.9/37

Out: 744.220+/-0.108 χ^2/NDF:4808906.6/42

All: 741.708+/-0.077 χ^2/NDF: 9275087.6/80



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 31.584+/-22.943 χ^2/NDF:19.7/23

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: 50.827+/-16.446 χ^2/NDF: 54.6/45

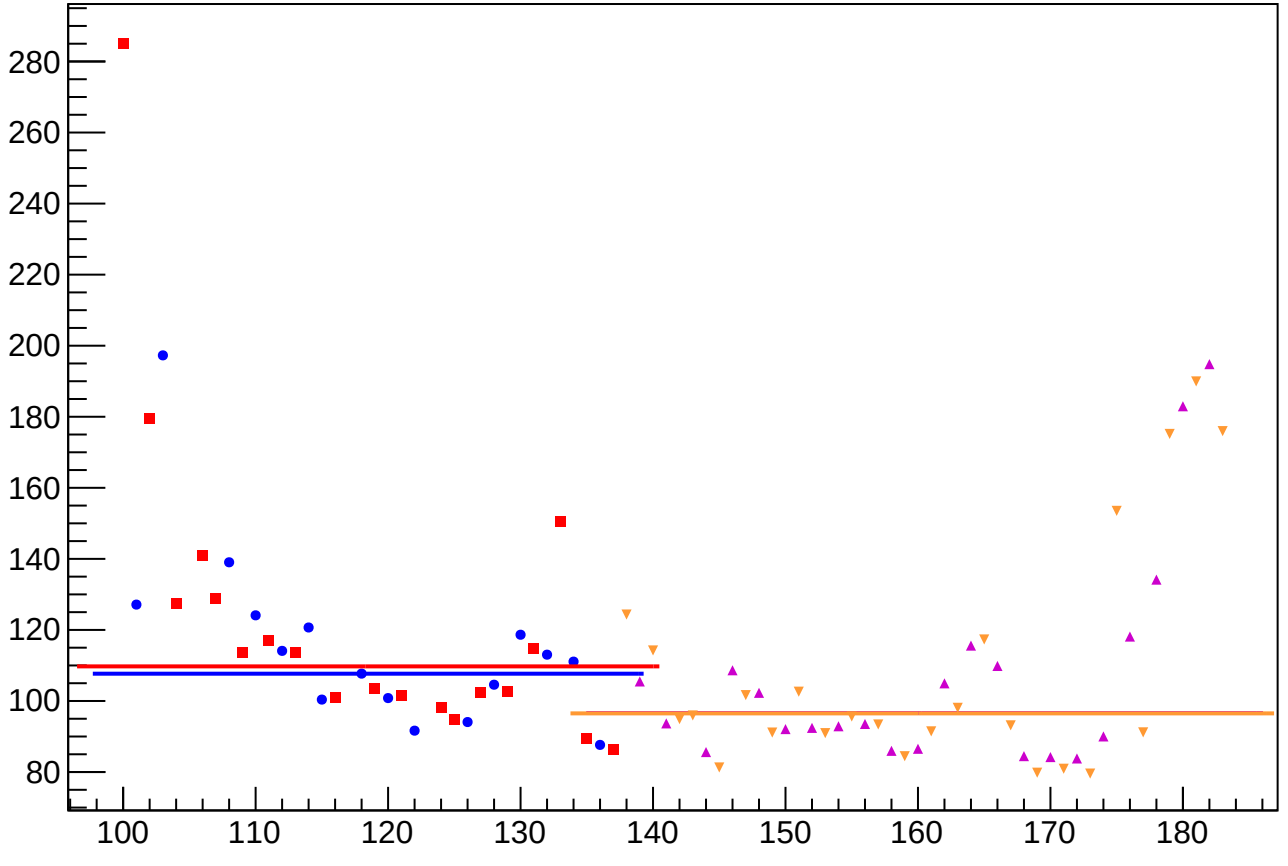
Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 60.086+/-20.472 χ^2/NDF:55.7/37

Out: 38.257+/-20.082 χ^2/NDF:47.1/42

All: 48.962+/-14.336 χ^2/NDF: 103.3/80

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 96.512+/-0.016 χ^2/NDF:1680408.0/23

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 96.613+/-0.017 χ^2/NDF:1230108.4/21

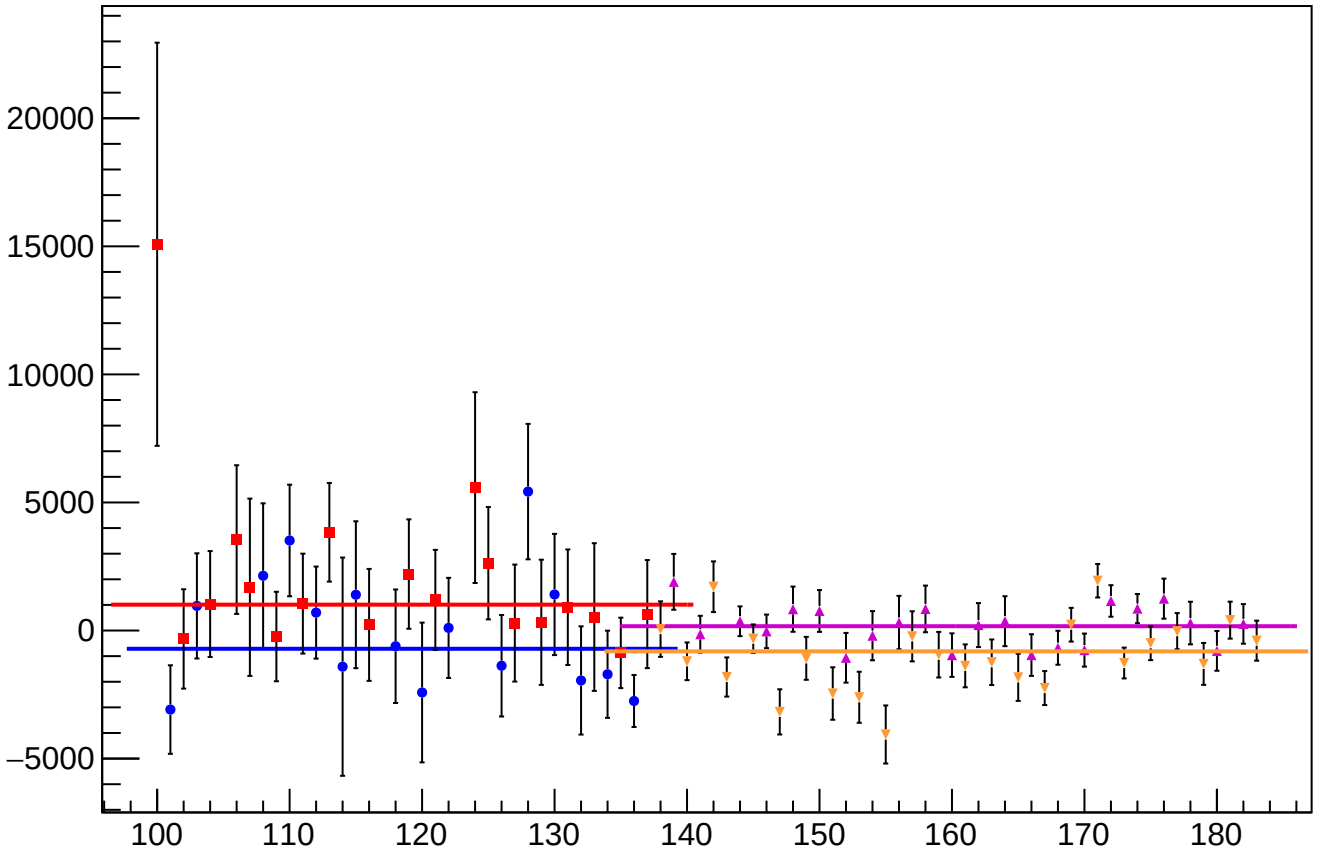
Left: 96.561+/-0.012 χ^2/NDF: 2910535.3/45

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 99.343+/-0.014 χ^2/NDF:1821834.5/37

Out: 99.605+/-0.014 χ^2/NDF:2327646.9/42

All: 99.477+/-0.010 χ^2/NDF: 4149648.8/80



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -813.037+/-159.480 χ^2/NDF:64.0/23

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 168.771+/-163.839 χ^2/NDF:21.3/21

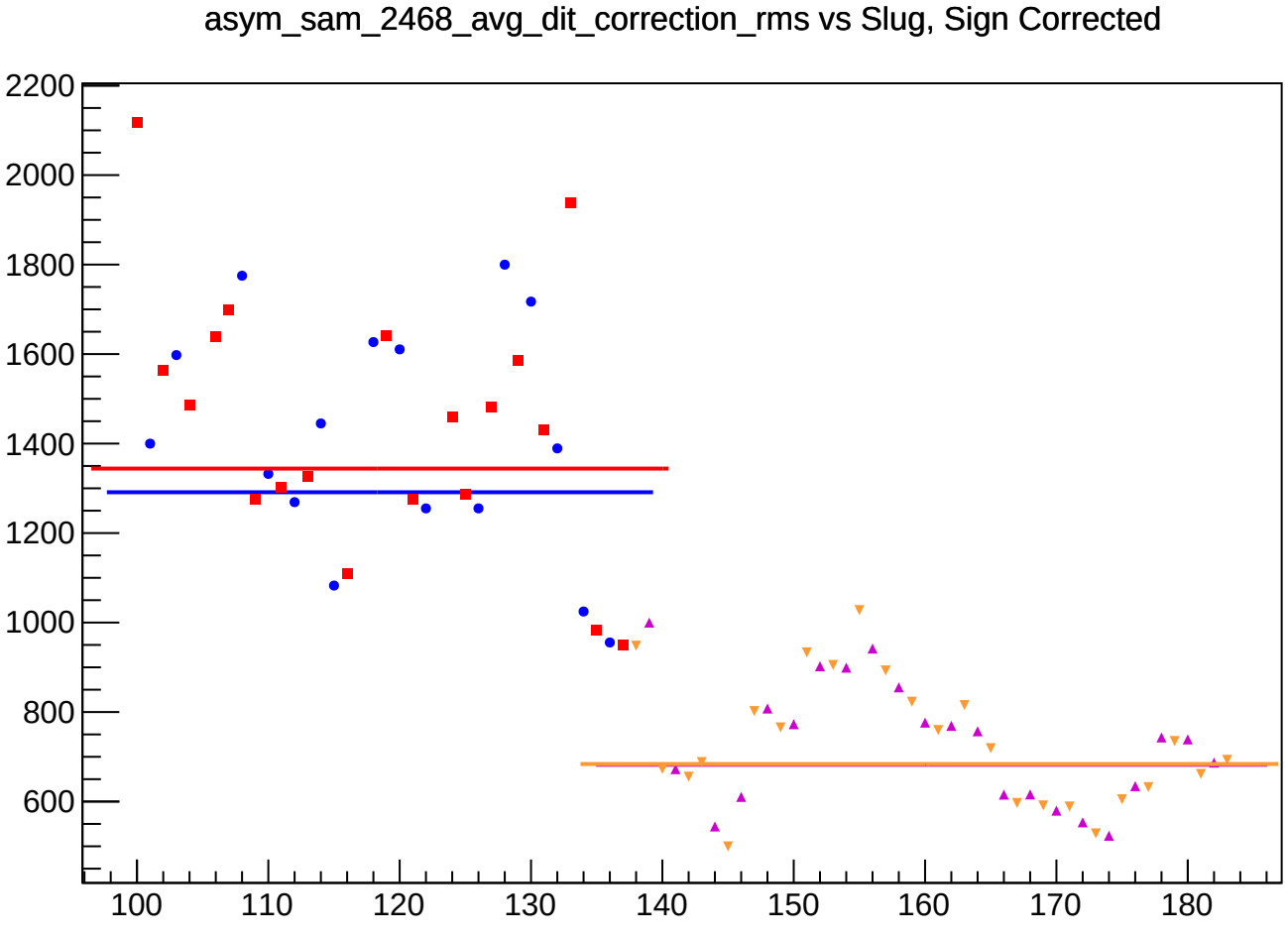
Left: -335.367+/-114.280 χ^2/NDF: 103.7/45

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 81.163+/-155.486 χ^2/NDF:44.2/37

Out: -645.480+/-151.977 χ^2/NDF:87.8/42

All: -290.450+/-108.684 χ^2/NDF: 143.2/80



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 683.875+/-0.113 χ^2/NDF:1297798.1/23

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 682.142+/-0.116 χ^2/NDF:1185994.9/21

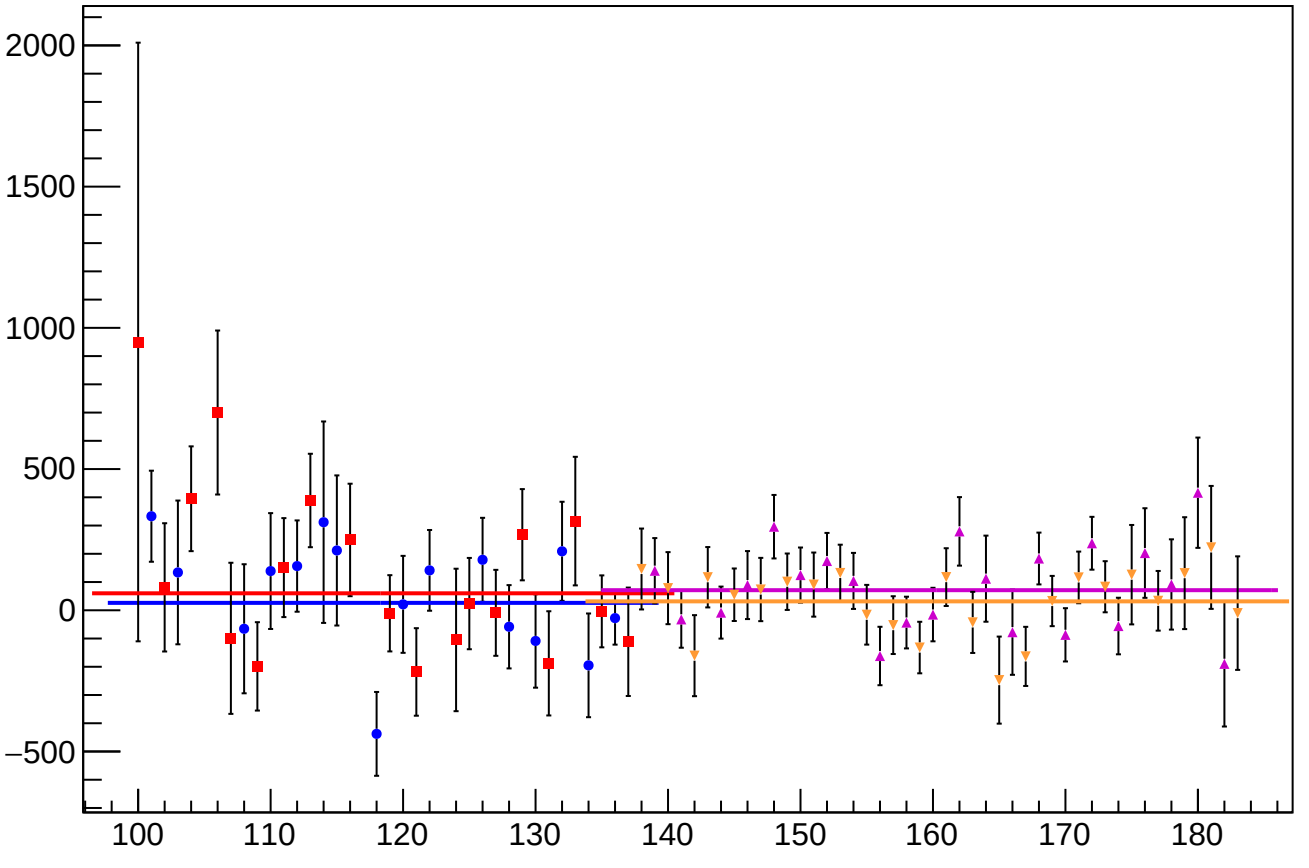
Left: 683.032+/-0.081 χ^2/NDF: 2483907.8/45

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 742.665+/-0.110 χ^2/NDF:4543445.9/37

Out: 744.540+/-0.107 χ^2/NDF:4938368.7/42

All: 743.624+/-0.077 χ^2/NDF: 9481963.2/80



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 31.584+/-22.943 χ^2/NDF:19.7/23

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 71.164+/-23.586 χ^2/NDF:33.4/21

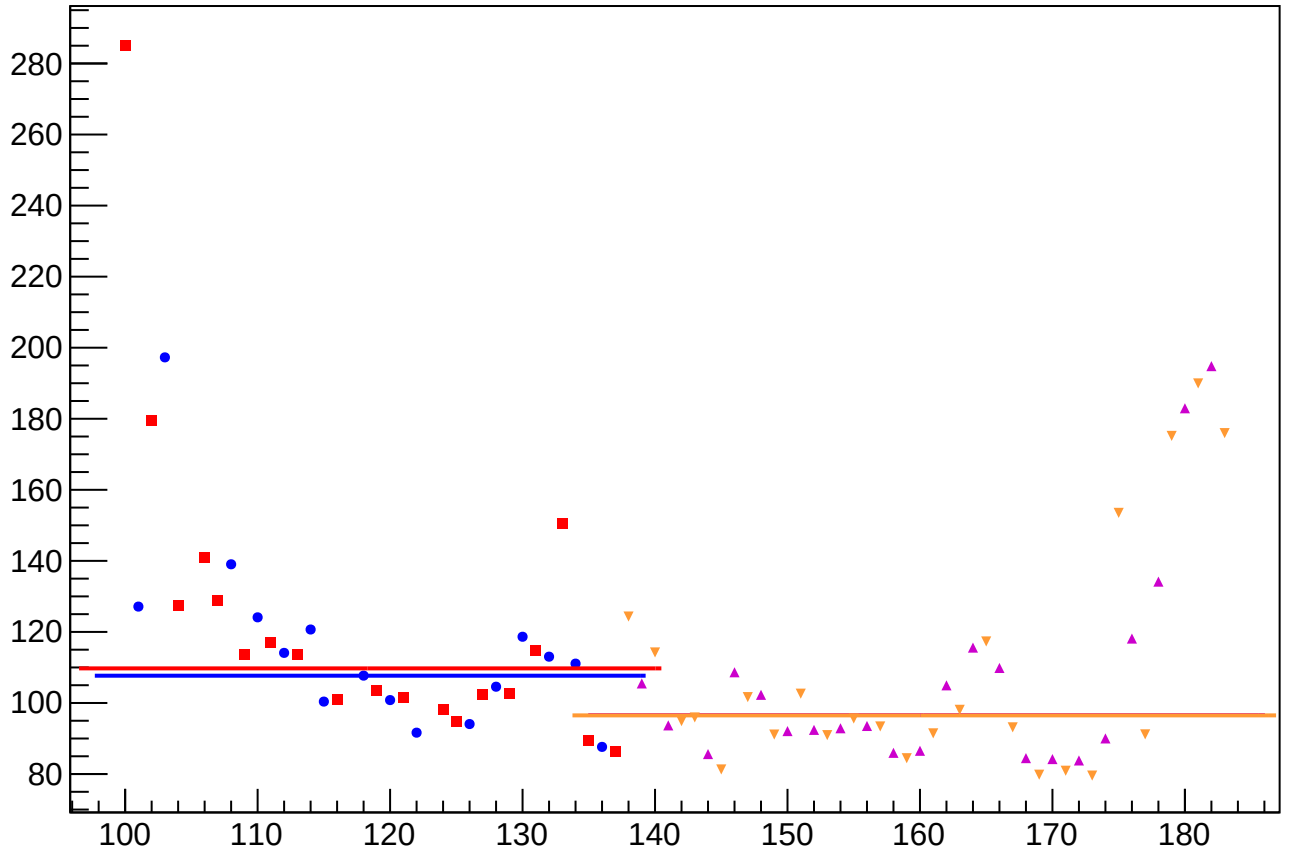
Left: 50.827+/-16.446 χ^2/NDF: 54.6/45

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 60.086+/-20.472 χ^2/NDF:55.7/37

Out: 38.257+/-20.082 χ^2/NDF:47.1/42

All: 48.961+/-14.336 χ^2/NDF: 103.3/80



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 96.513+/-0.016 χ^2/NDF:1680409.2/23

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: 96.562+/-0.012 χ^2/NDF: 2910520.5/45

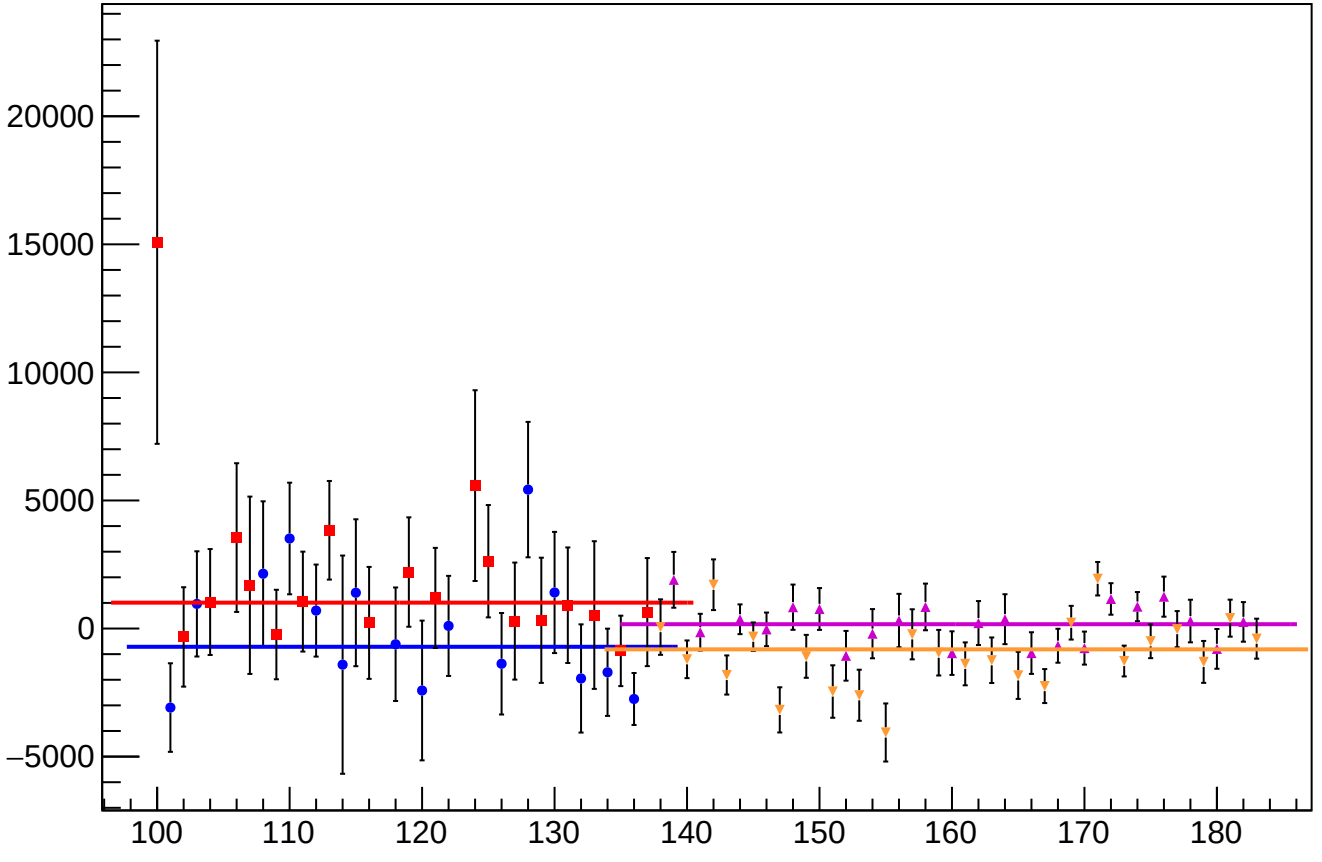
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 99.343+/-0.014 χ^2/NDF:1821785.6/37

Out: 99.605+/-0.014 χ^2/NDF:2327624.6/42

All: 99.477+/-0.010 χ^2/NDF: 4149577.6/80

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: -813.035+/-159.480 χ^2/NDF:64.0/23

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: -335.366+/-114.279 χ^2/NDF: 103.7/45

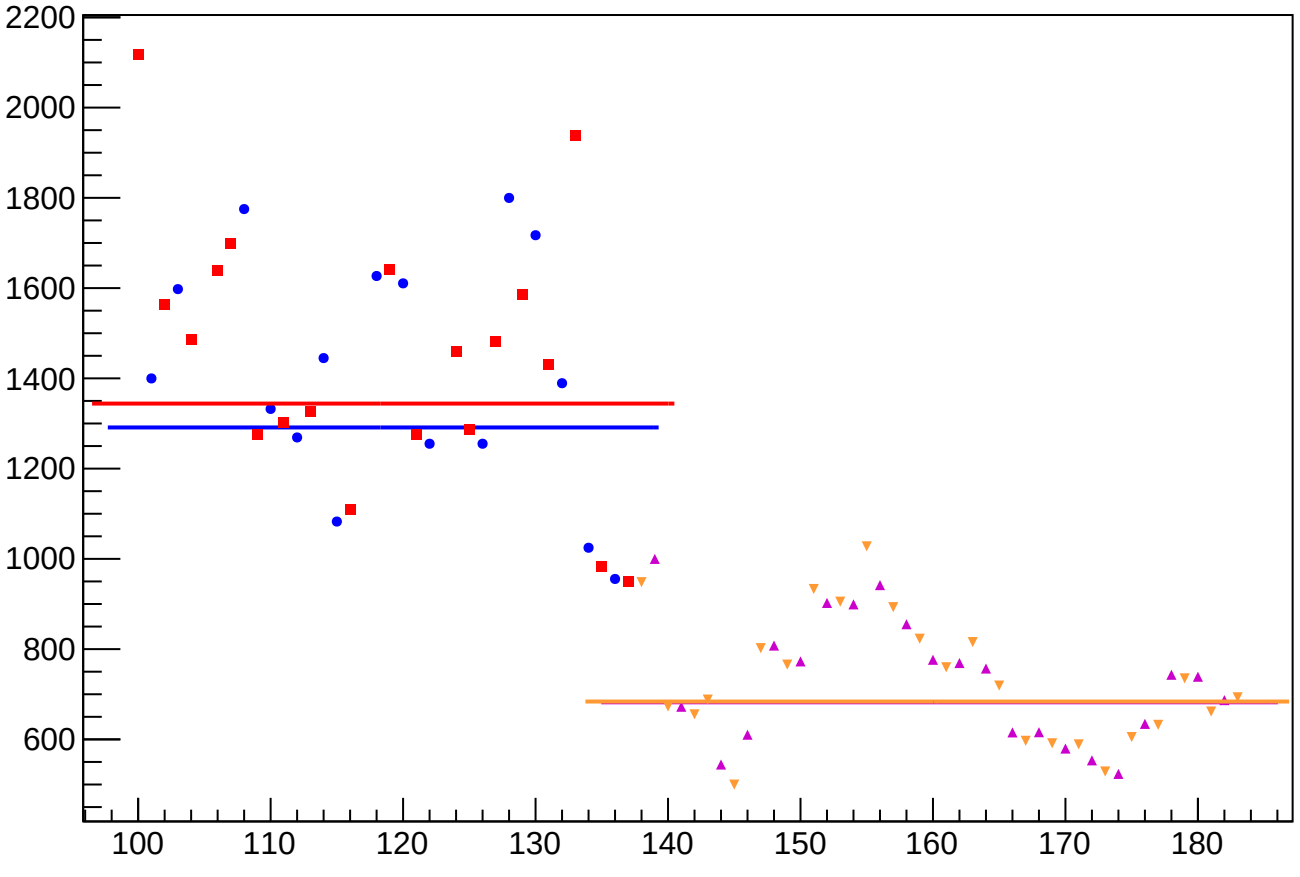
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 81.163+/-155.486 χ^2/NDF:44.2/37

Out: -645.478+/-151.977 χ^2/NDF:87.8/42

All: -290.450+/-108.683 χ^2/NDF: 143.2/80

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: 683.873+/-0.113 χ^2/NDF:1297804.3/23

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: 683.030+/-0.081 χ^2/NDF: 2483915.7/45

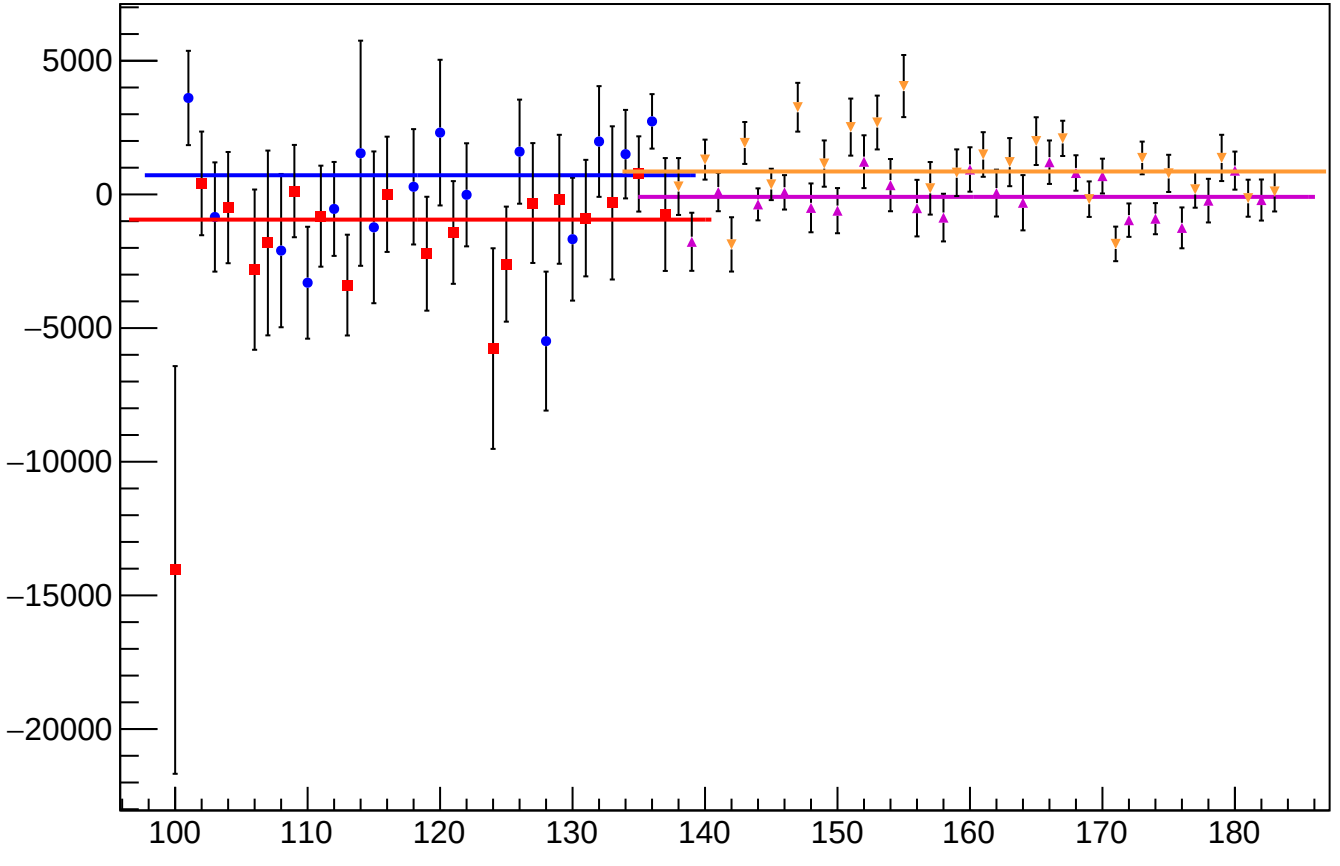
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 742.664+/-0.110 χ^2/NDF:4543445.6/37

Out: 744.538+/-0.107 χ^2/NDF:4938373.8/42

All: 743.622+/-0.077 χ^2/NDF: 9481968.0/80

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 858.484+/-160.919 χ^2/NDF:62.1/23

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: 393.500+/-114.972 χ^2/NDF: 100.9/45

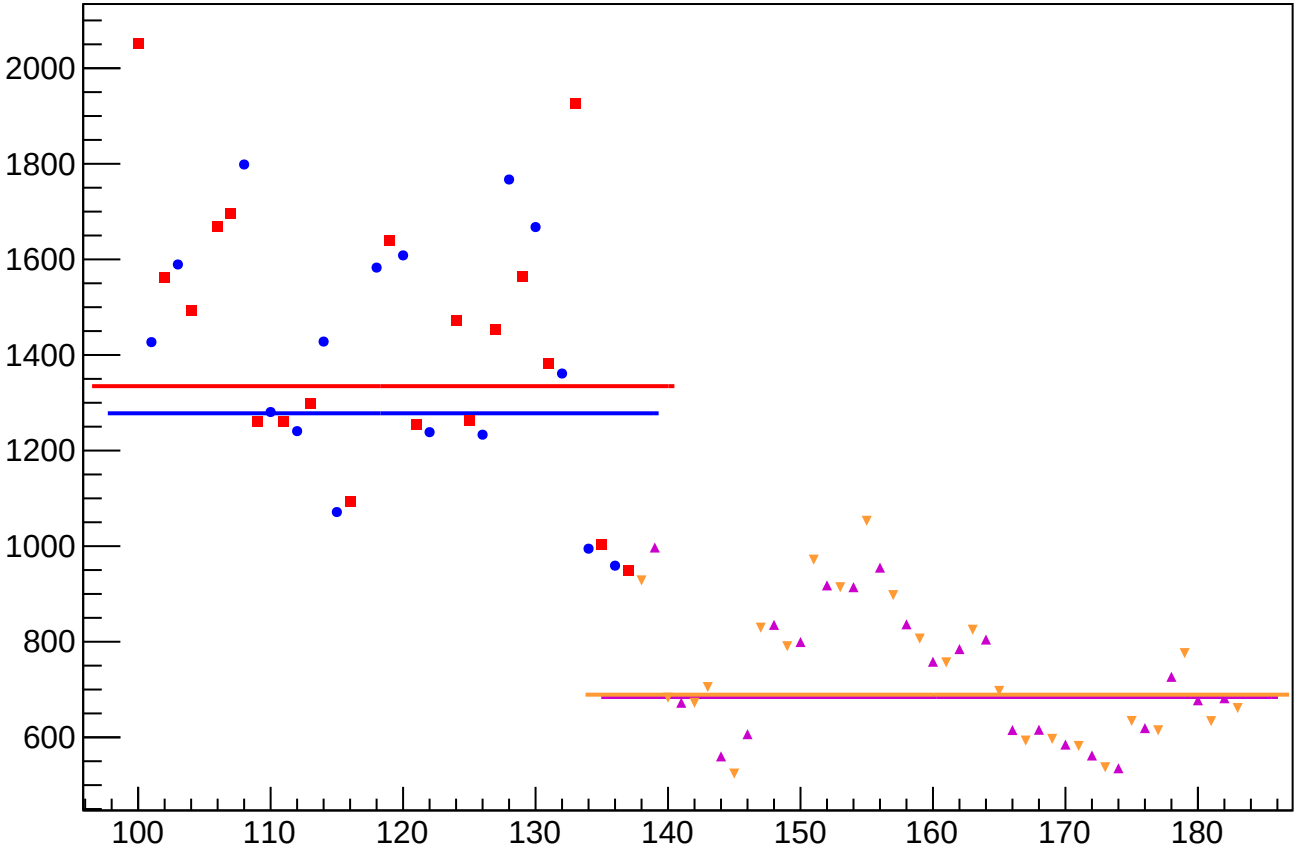
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: -9.053+/-155.739 χ^2/NDF:45.2/37

Out: 688.266+/-153.125 χ^2/NDF:84.5/42

All: 345.508+/-109.188 χ^2/NDF: 139.9/80

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 689.255+/-0.114 χ^2/NDF:1287714.8/23

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 684.343+/-0.116 χ^2/NDF:1164367.4/21

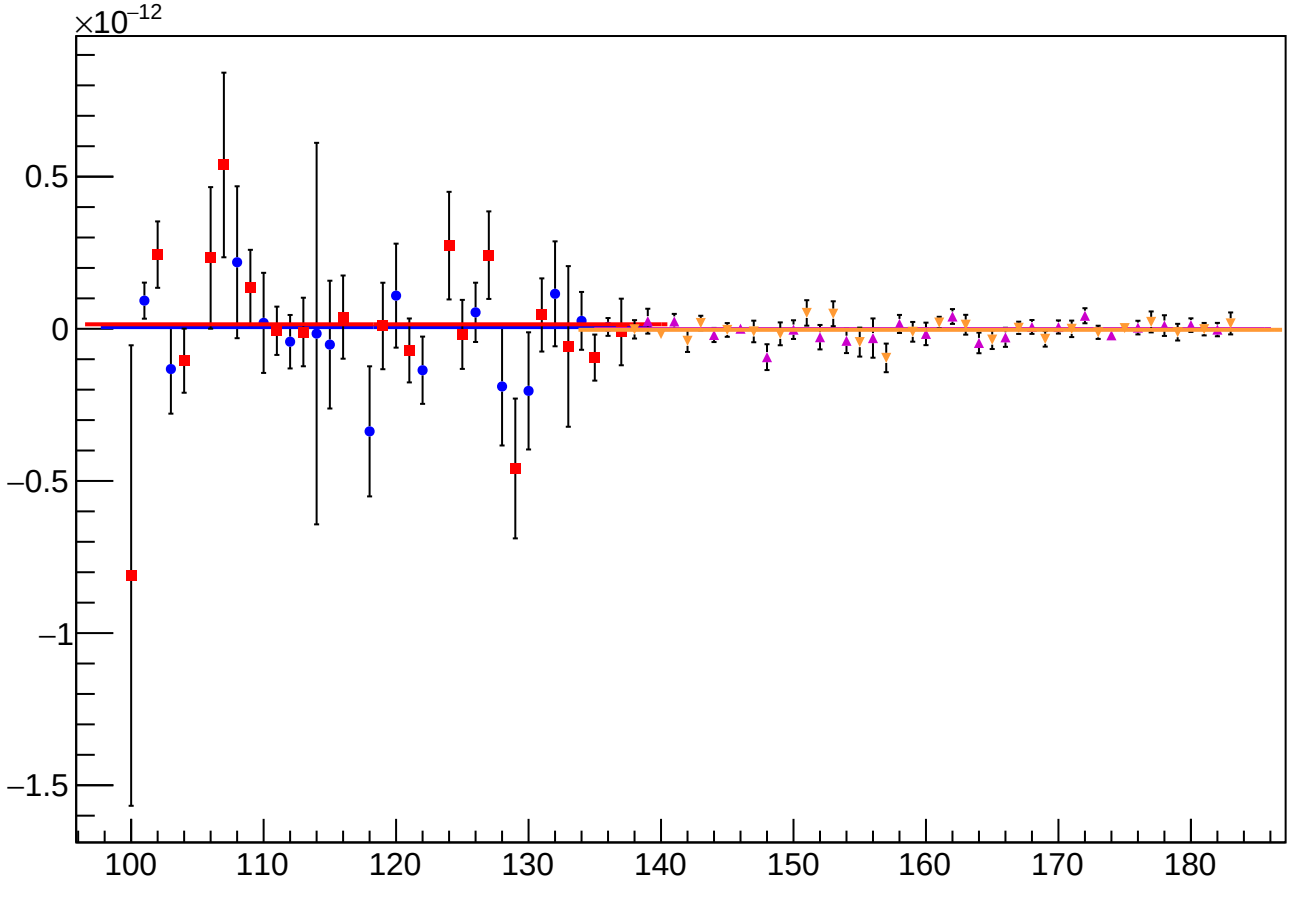
Left: 686.850+/-0.081 χ^2/NDF: 2452994.4/45

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 744.745+/-0.110 χ^2/NDF:4417881.8/37

Out: 750.272+/-0.108 χ^2/NDF:4801742.5/42

All: 747.555+/-0.077 χ^2/NDF: 9220905.1/80



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.8/21

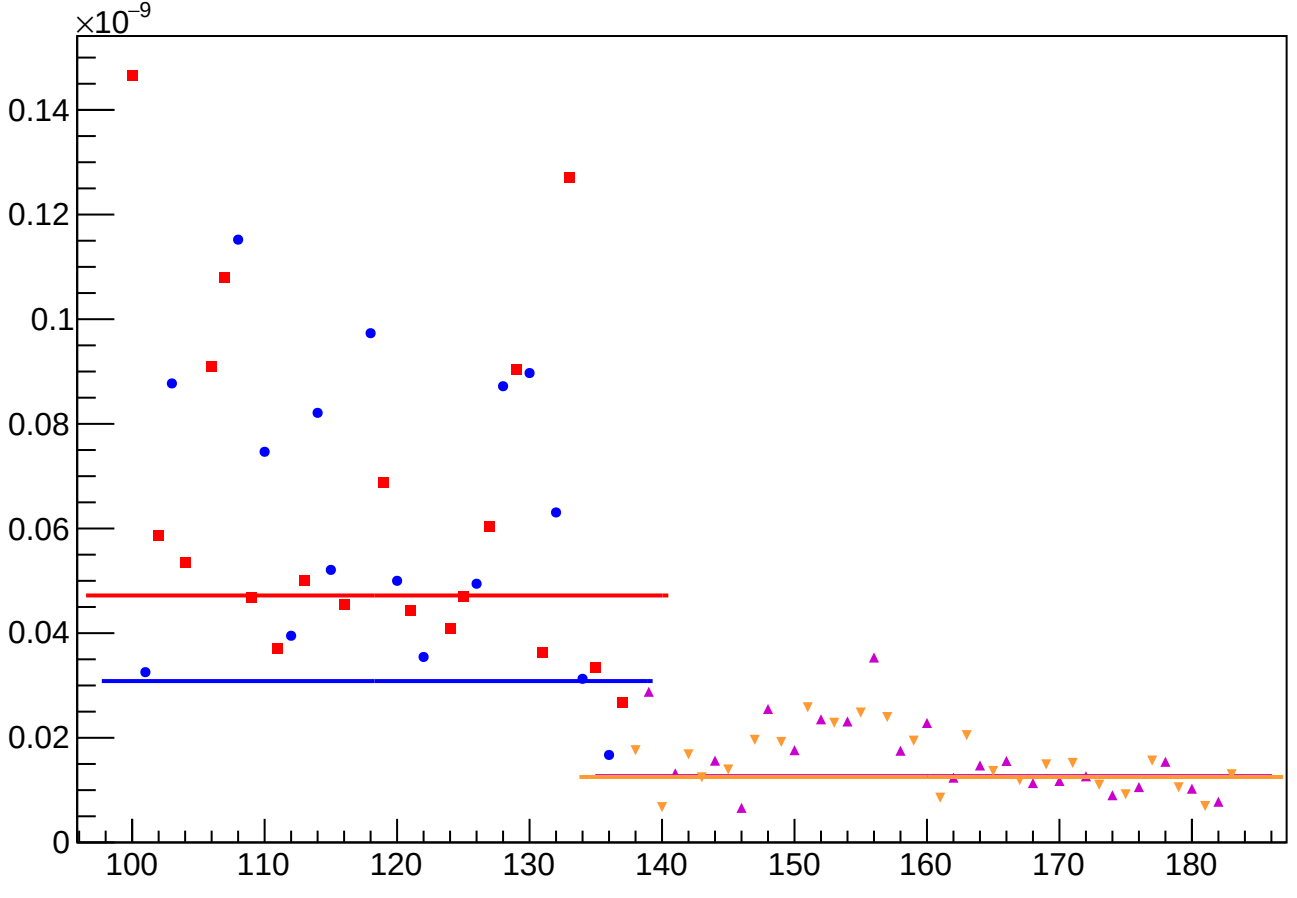
Left: -0.000+/-0.000 χ^2/NDF: 36.4/45

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:40.7/42

All: -0.000+/-0.000 χ^2/NDF: 72.3/80



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1734189.6/23

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: 3682188.0/45

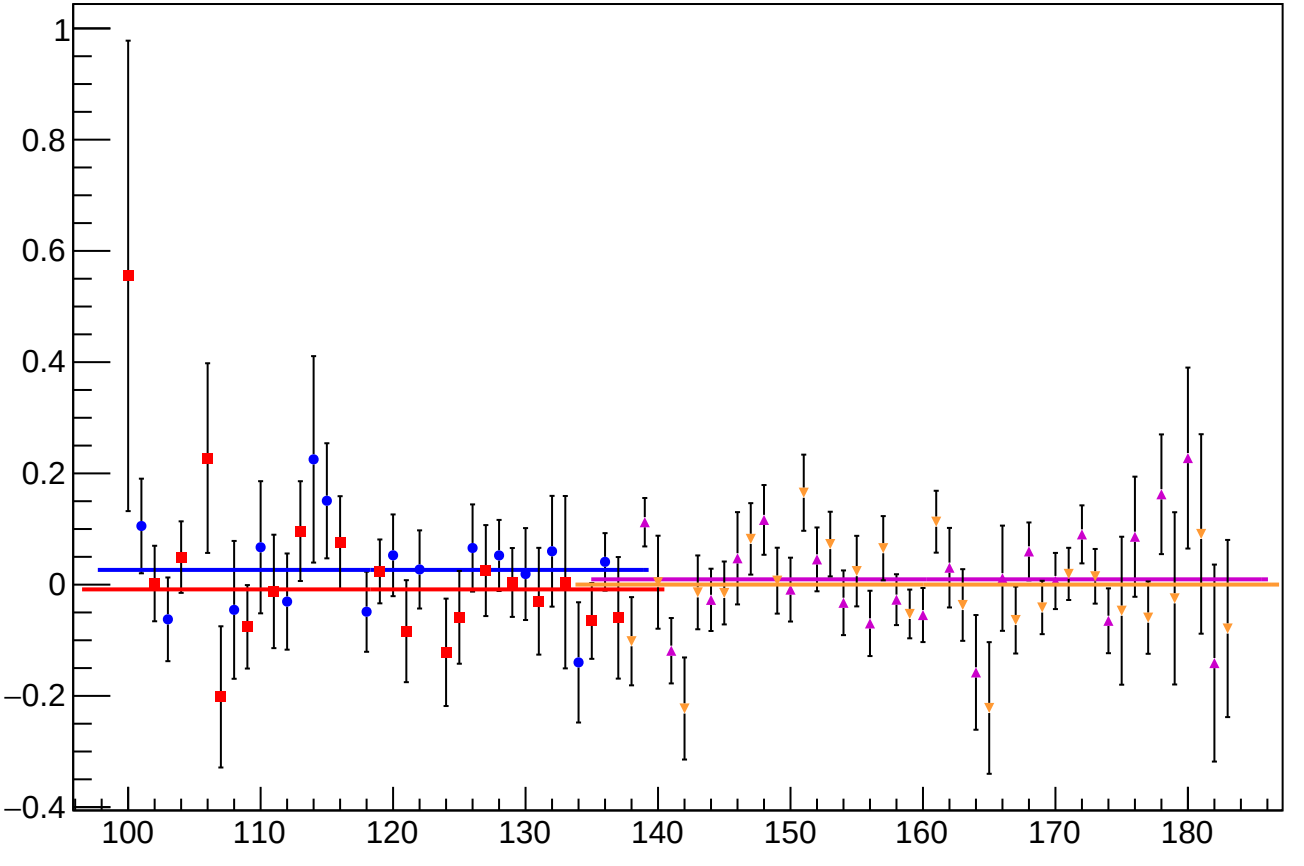
Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:5192421.4/37

Out: 0.000+/-0.000 χ^2/NDF:5299469.3/42

All: 0.000+/-0.000 χ^2/NDF: 10492612.5/80

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: 0.000+/-0.013 χ^2/NDF:31.2/23

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.013 χ^2/NDF:31.8/21

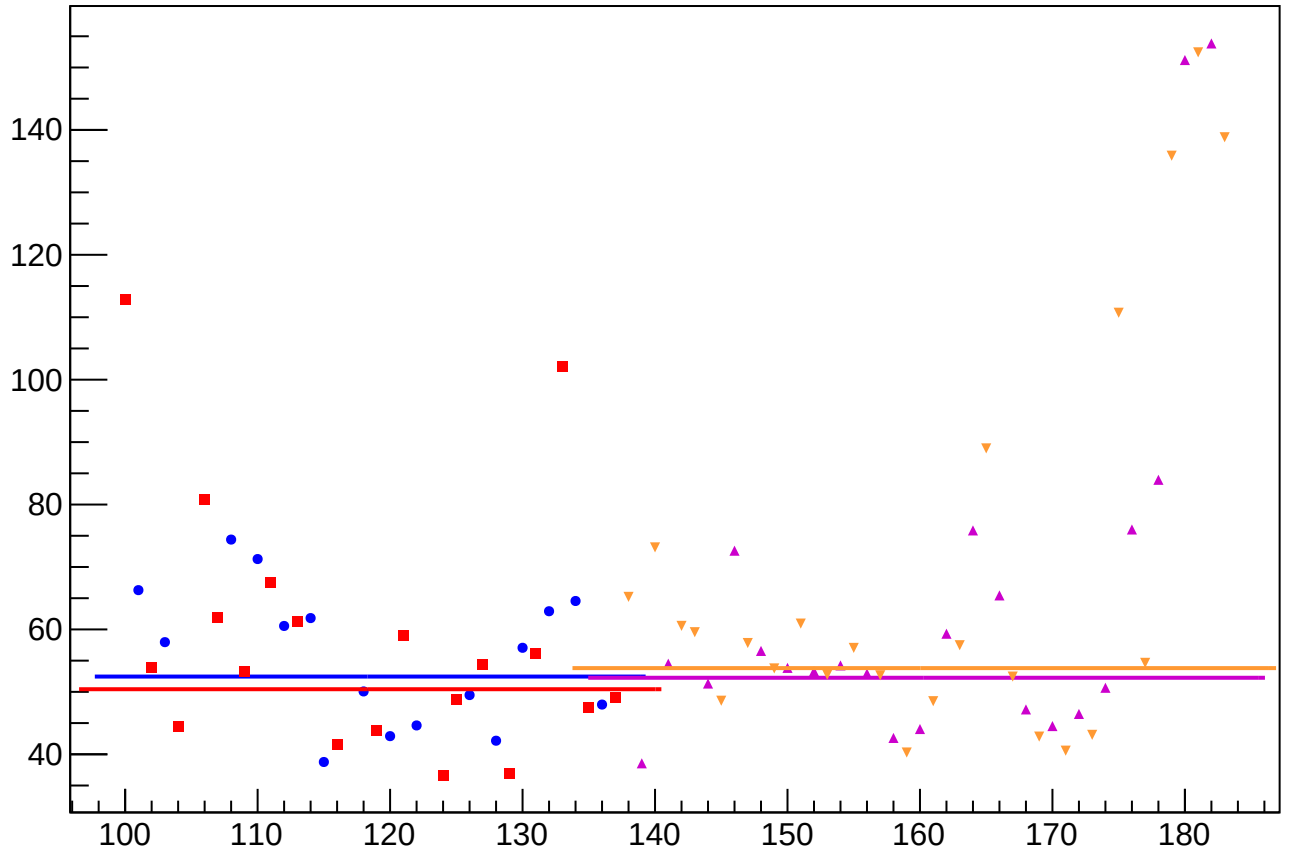
Left: 0.005+/-0.009 χ^2/NDF: 63.2/45

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:42.2/37

Out: -0.003+/-0.011 χ^2/NDF:45.2/42

All: 0.006+/-0.008 χ^2/NDF: 88.7/80



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.804+/-0.009 χ^2/NDF:3081845.8/23

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: 53.030+/-0.007 χ^2/NDF: 5500930.6/45

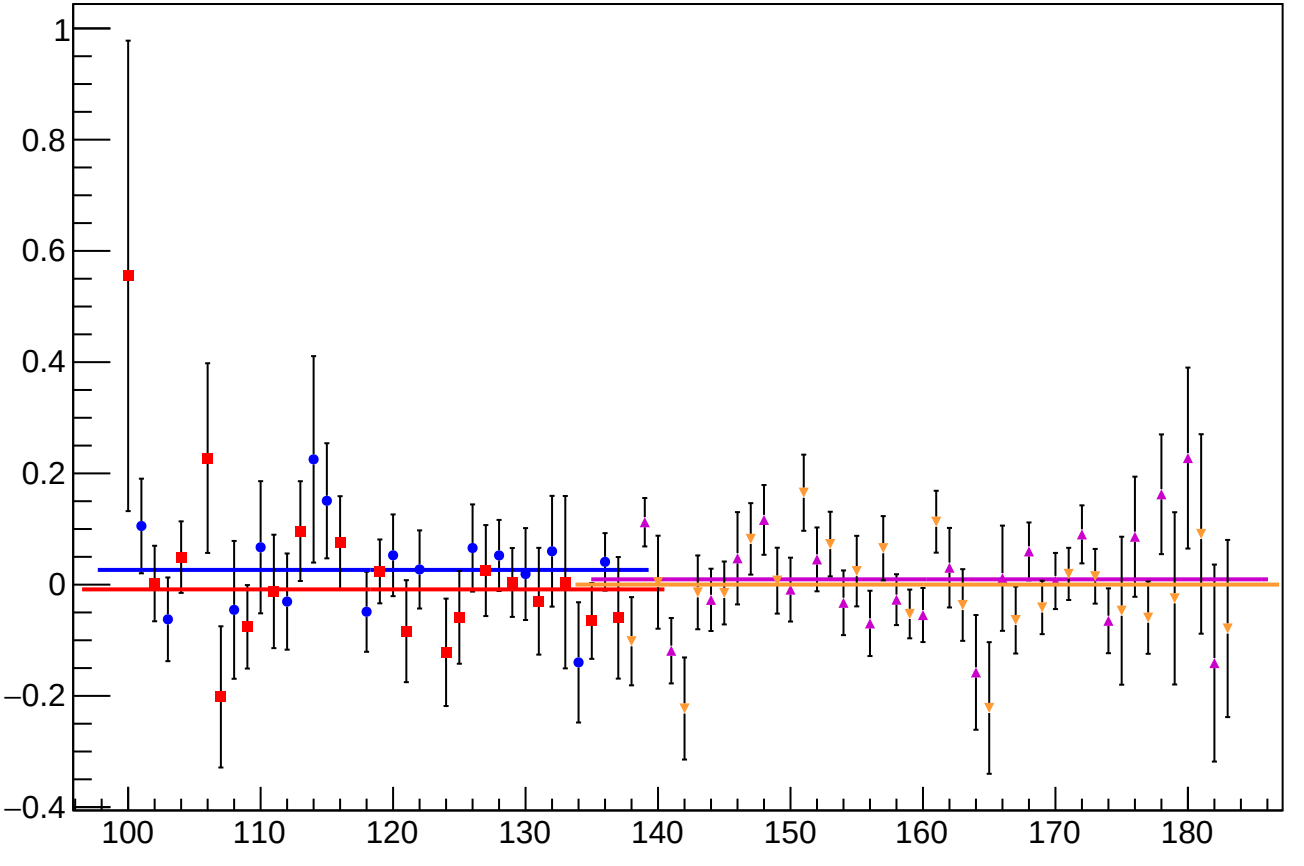
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 52.315+/-0.008 χ^2/NDF:2823615.3/37

Out: 52.733+/-0.008 χ^2/NDF:3799774.6/42

All: 52.527+/-0.006 χ^2/NDF: 6624826.2/80

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: 0.000+/-0.013 χ^2/NDF:31.2/23

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.013 χ^2/NDF:31.8/21

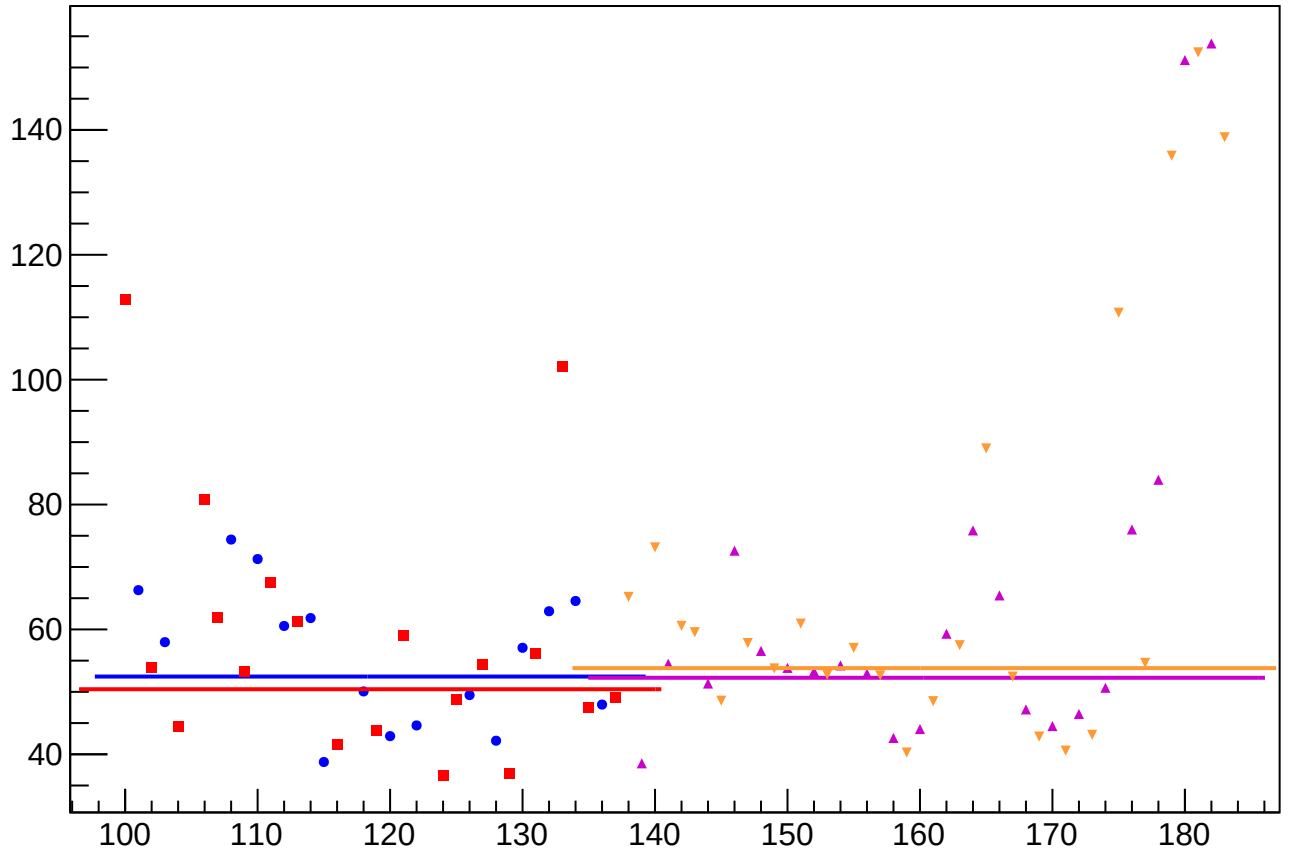
Left: 0.005+/-0.009 χ^2/NDF: 63.2/45

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:42.2/37

Out: -0.003+/-0.011 χ^2/NDF:45.2/42

All: 0.006+/-0.008 χ^2/NDF: 88.7/80



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.804+/-0.009 χ^2/NDF:3081845.8/23

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: 53.030+/-0.007 χ^2/NDF: 5500930.6/45

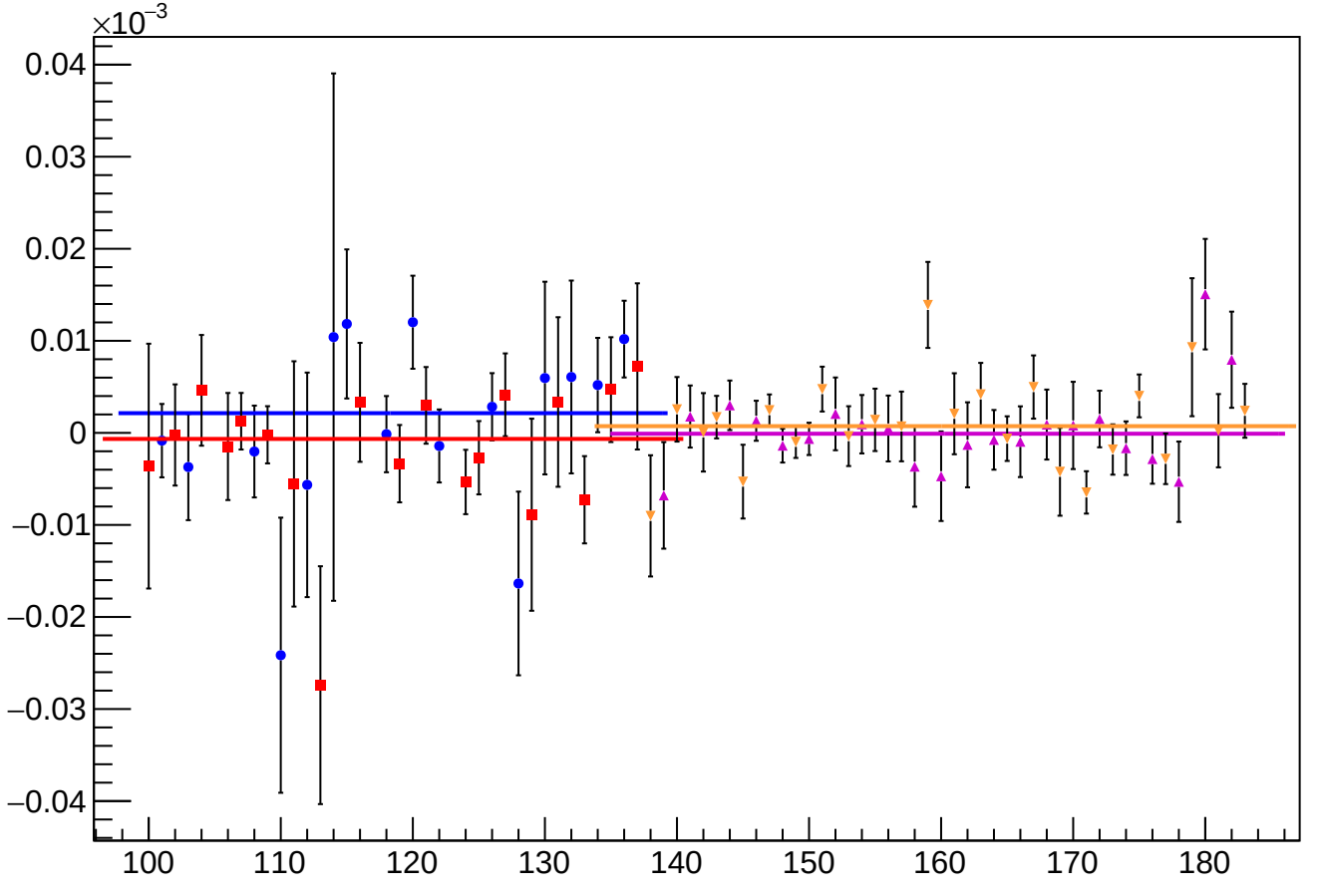
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 52.315+/-0.008 χ^2/NDF:2823615.3/37

Out: 52.733+/-0.008 χ^2/NDF:3799774.6/42

All: 52.527+/-0.006 χ^2/NDF: 6624826.2/80

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

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

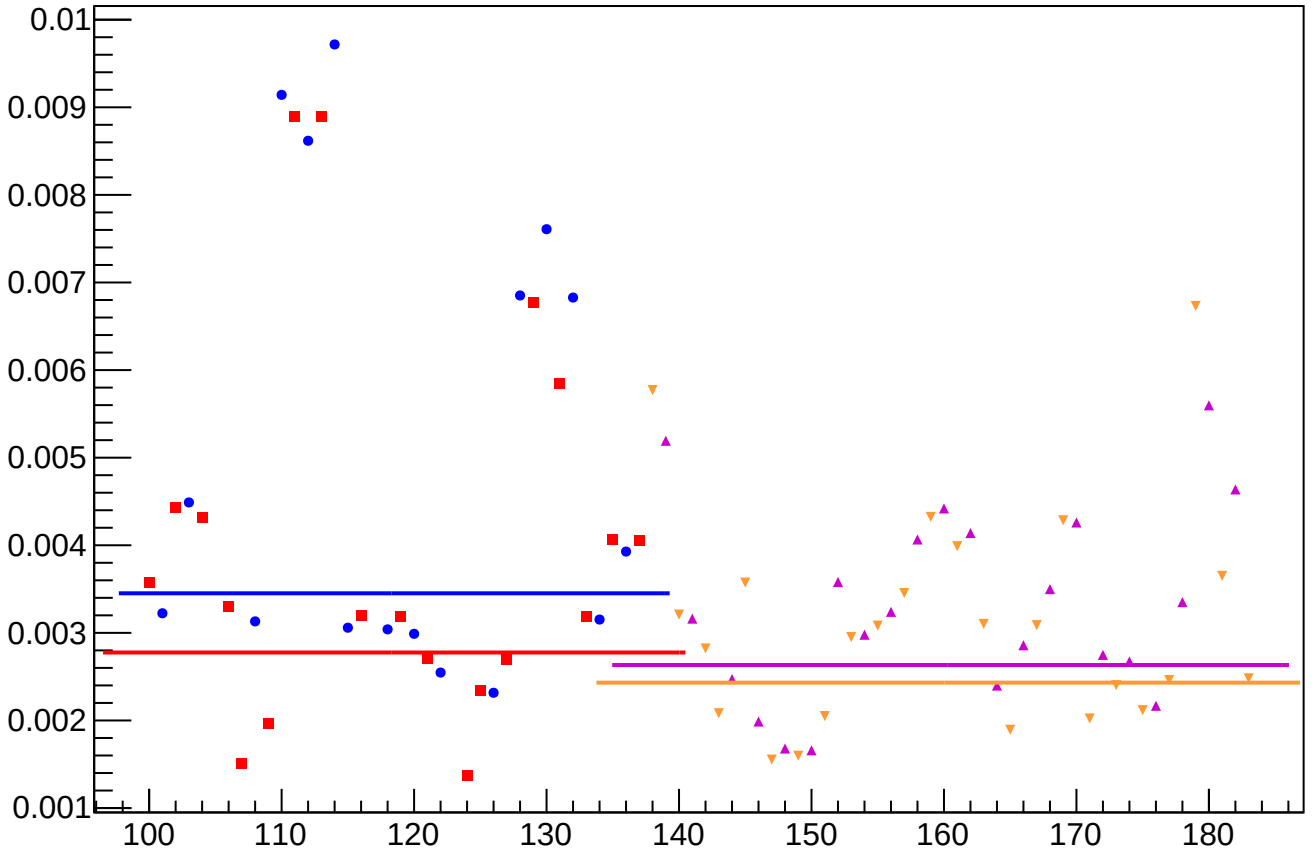
Left: 0.000+/-0.000 χ^2/NDF: 56.6/45

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:53.7/42

All: 0.000+/-0.000 χ^2/NDF: 93.9/80



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4216910.8/23

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: 8249245.2/45

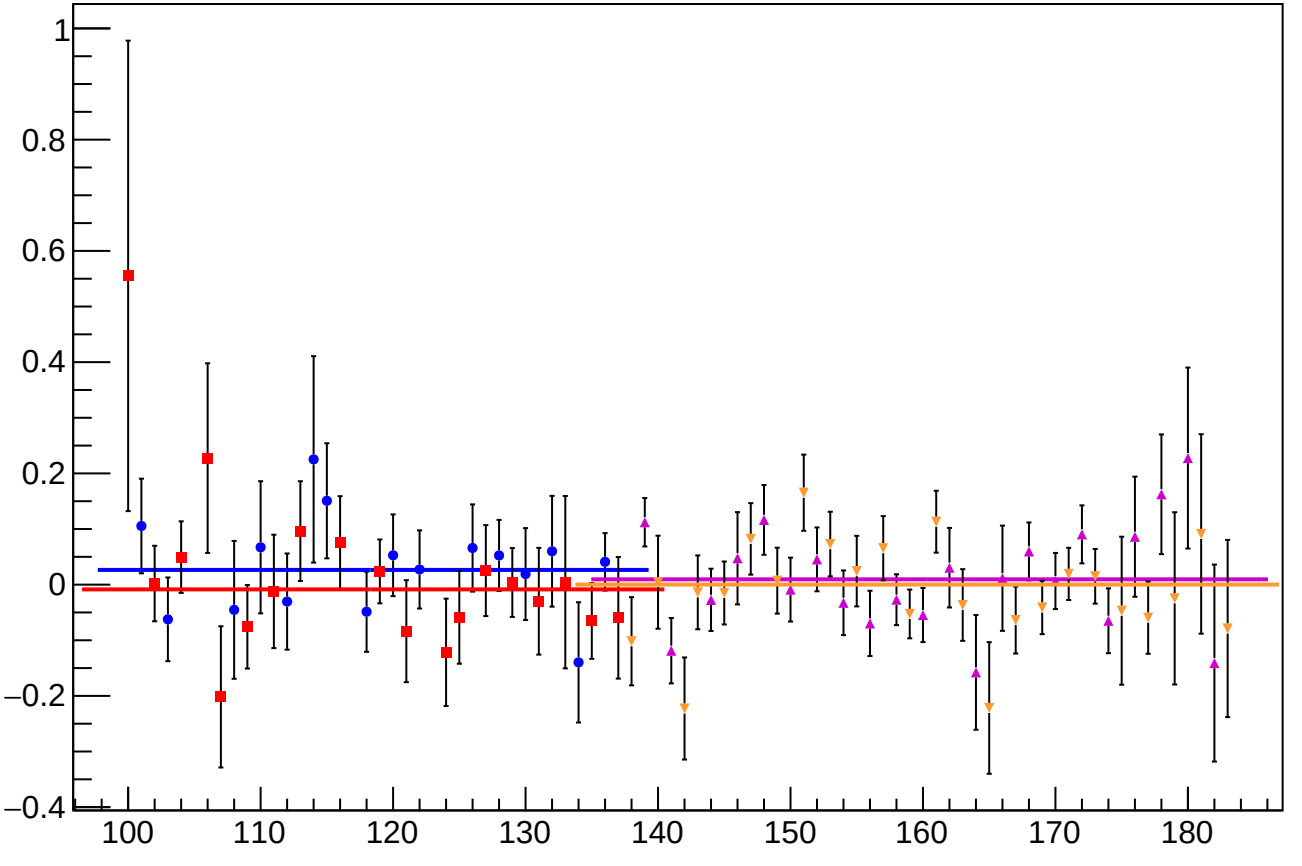
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:6447814.6/37

Out: 0.003+/-0.000 χ^2/NDF:7093250.2/42

All: 0.003+/-0.000 χ^2/NDF: 13791020.3/80

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: 0.000+/-0.013 χ^2/NDF:31.2/23

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.013 χ^2/NDF:31.8/21

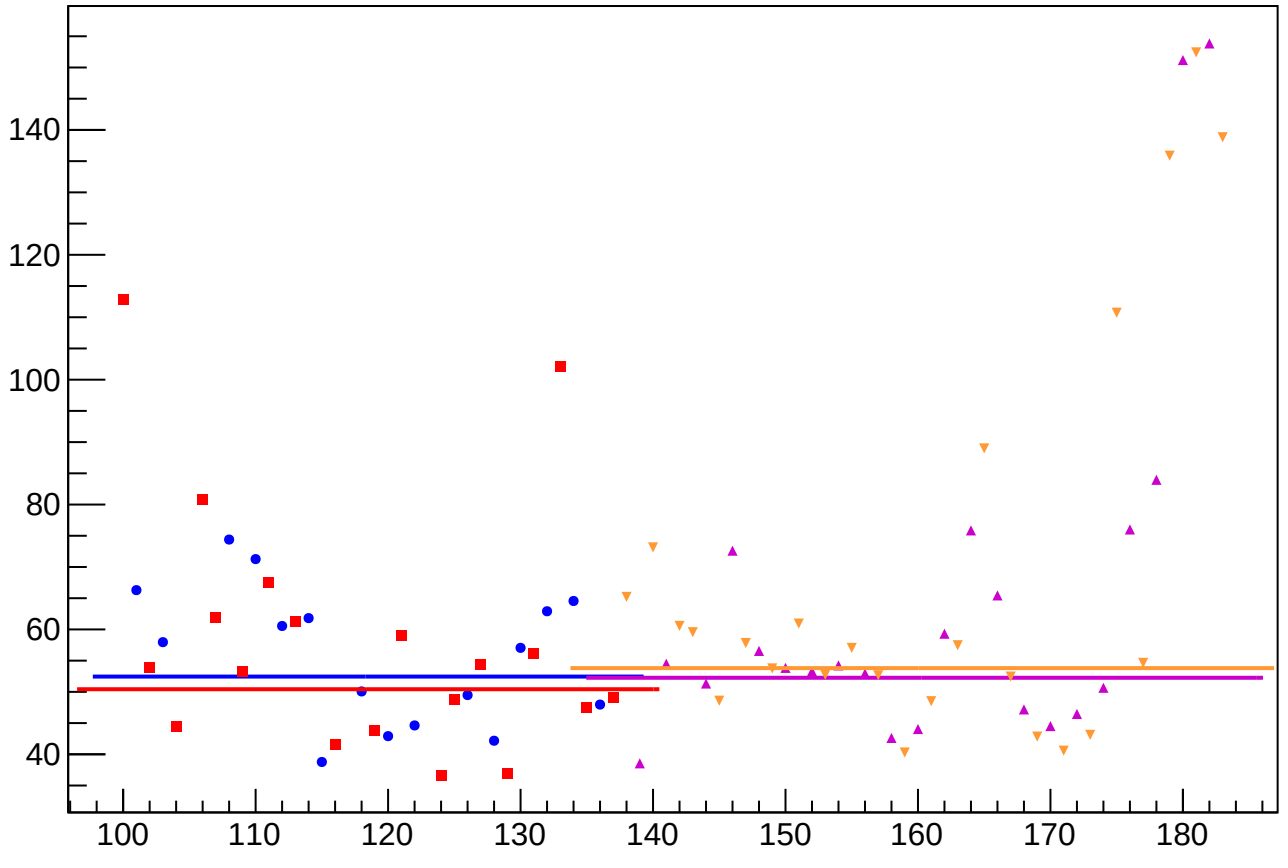
Left: 0.005+/-0.009 χ^2/NDF: 63.2/45

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:42.2/37

Out: -0.003+/-0.011 χ^2/NDF:45.2/42

All: 0.006+/-0.008 χ^2/NDF: 88.7/80



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.804+/-0.009 χ^2/NDF:3081867.5/23

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: 53.031+/-0.007 χ^2/NDF: 5500995.8/45

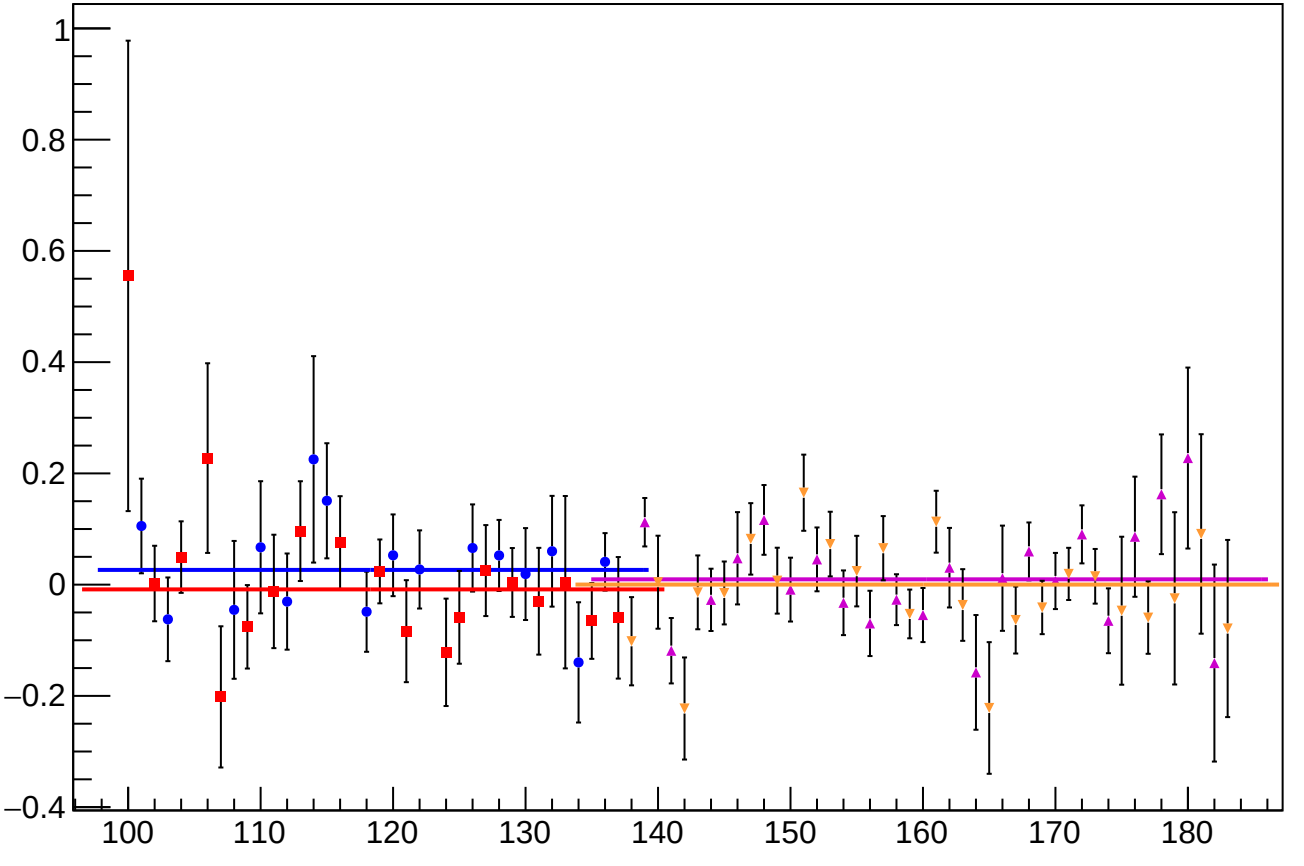
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 52.315+/-0.008 χ^2/NDF:2823609.1/37

Out: 52.733+/-0.008 χ^2/NDF:3799839.0/42

All: 52.527+/-0.006 χ^2/NDF: 6624884.2/80

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: 0.000+/-0.013 χ^2/NDF:31.2/23

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: 63.2/45

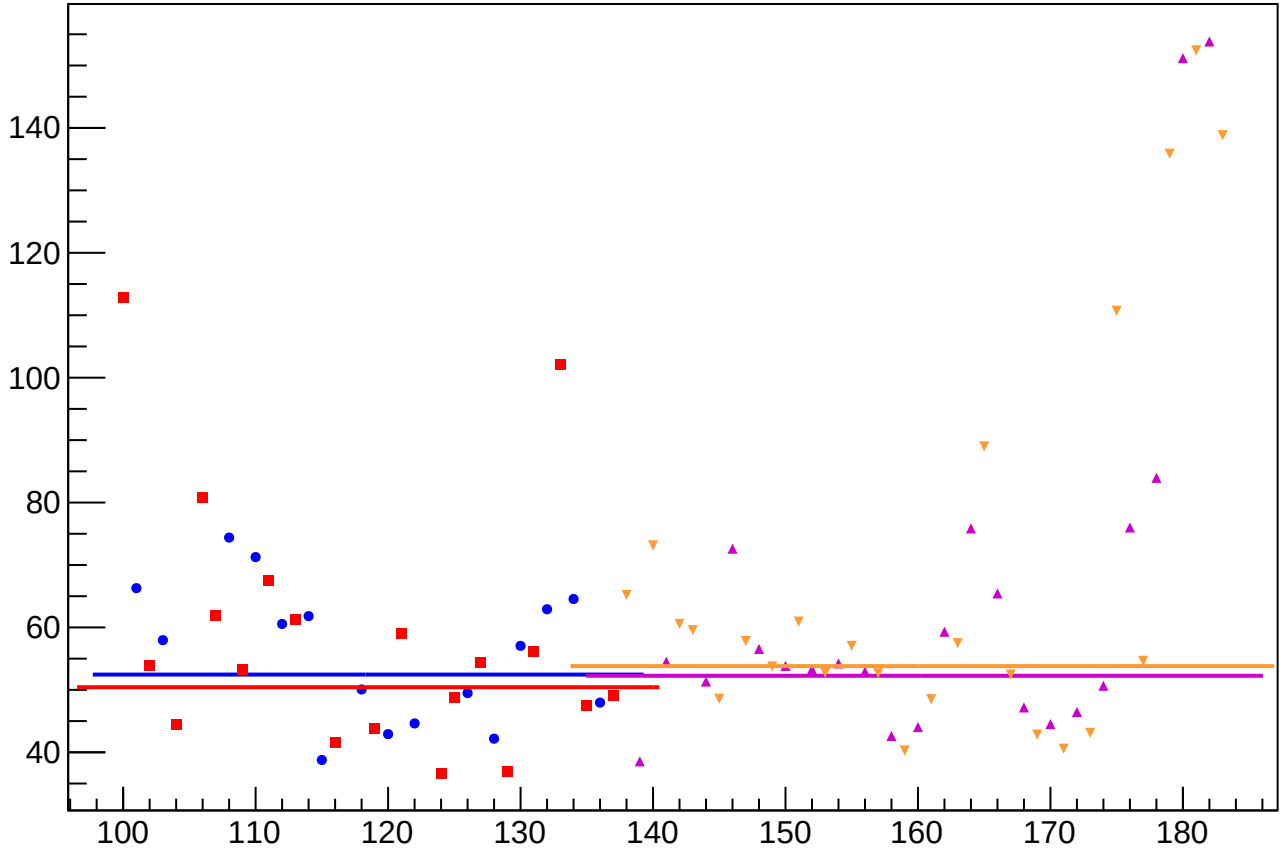
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:42.2/37

Out: -0.003+/-0.011 χ^2/NDF:45.2/42

All: 0.006+/-0.008 χ^2/NDF: 88.7/80

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: 53.804+/-0.009 χ^2/NDF:3081867.5/23

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 52.258+/-0.009 χ^2/NDF:2405517.4/21

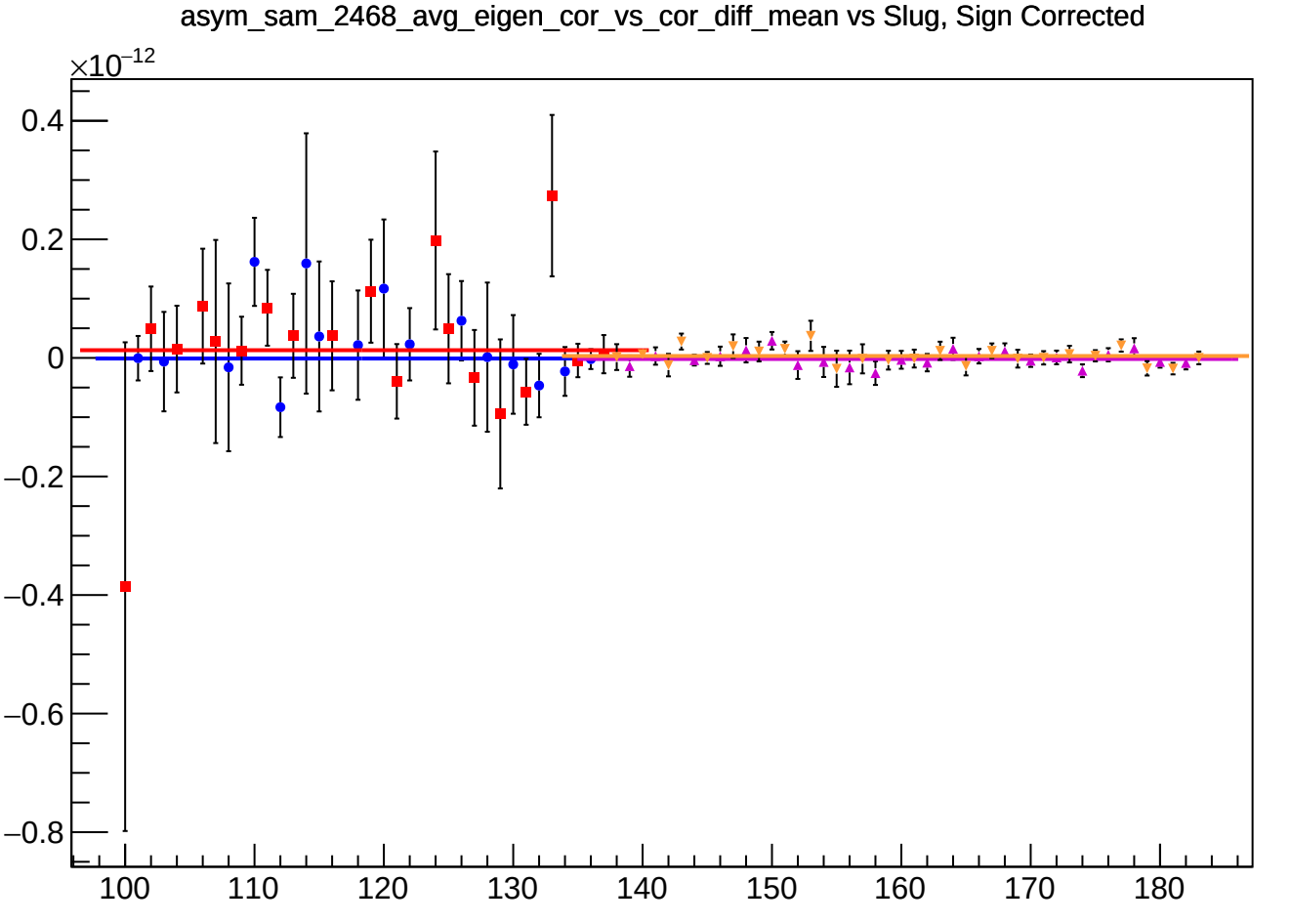
Left: 53.031+/-0.007 χ^2/NDF: 5500995.8/45

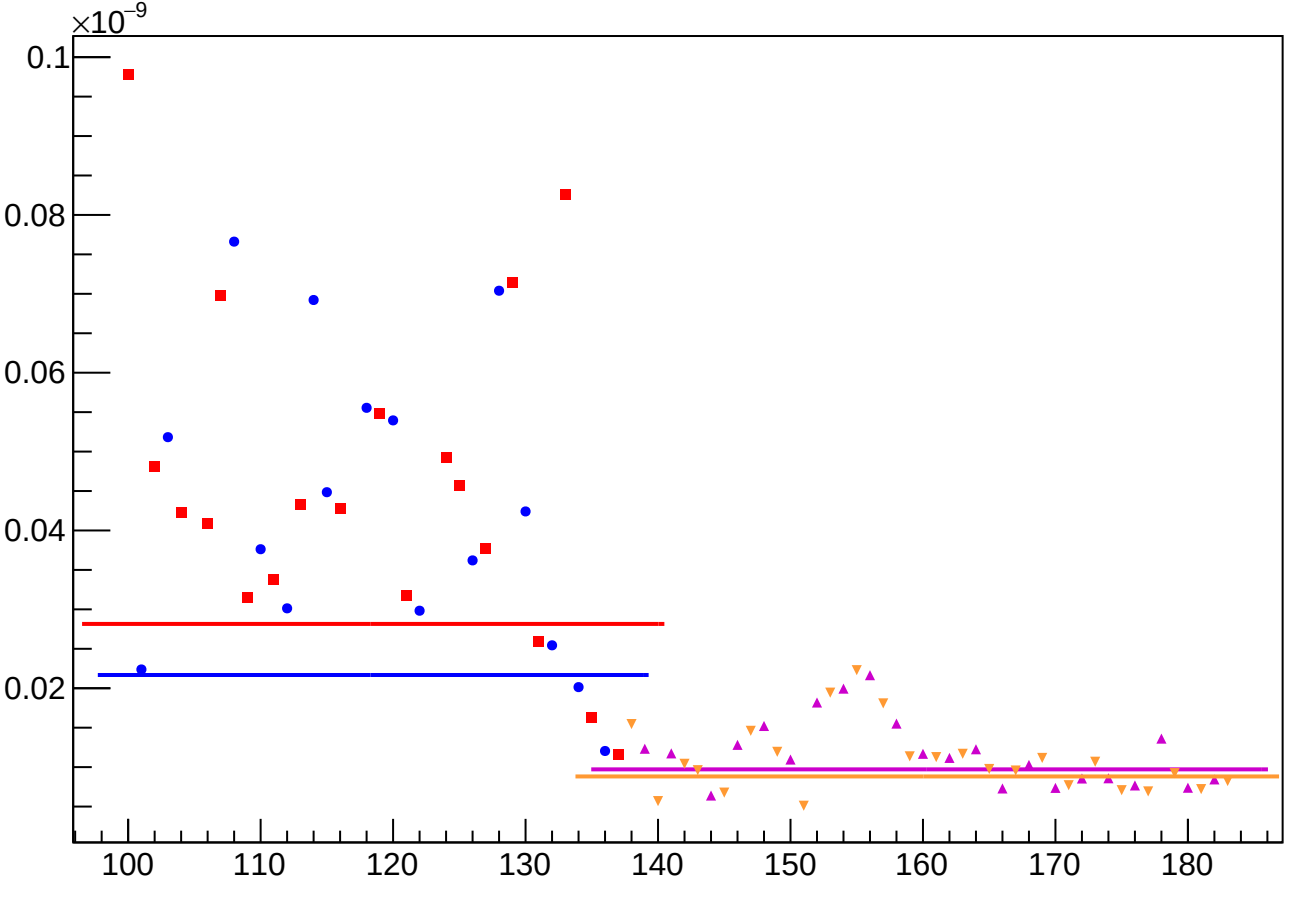
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 52.315+/-0.008 χ^2/NDF:2823609.1/37

Out: 52.733+/-0.008 χ^2/NDF:3799839.0/42

All: 52.527+/-0.006 χ^2/NDF: 6624884.2/80


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:21.5/23
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: 38.3/45
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:35.6/42
All: 0.000+/-0.000 χ²/NDF: 64.0/80



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2514759.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2318070.3/21

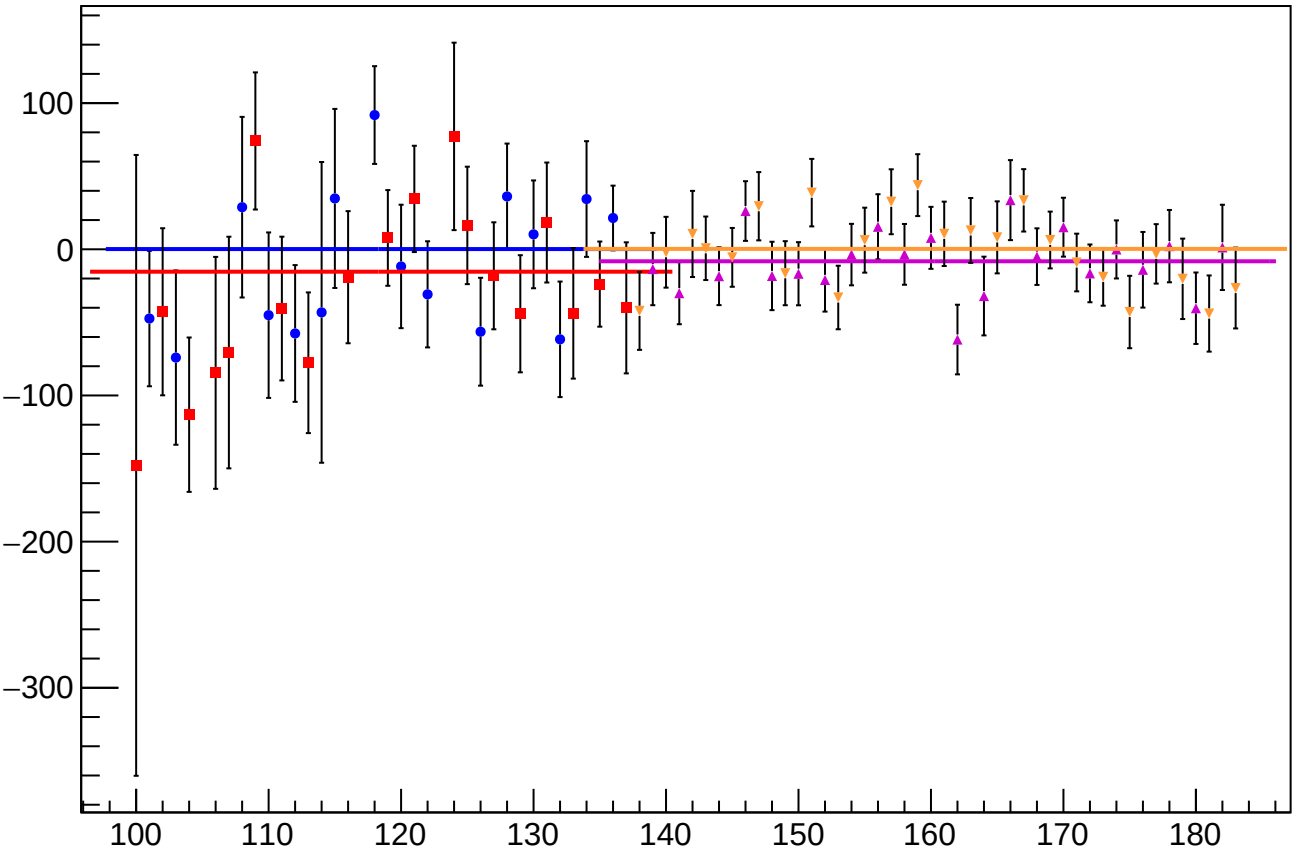
Left: 0.000+/-0.000 χ^2/NDF: 4935681.3/45

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:8334486.1/42

All: 0.000+/-0.000 χ^2/NDF: 15172329.4/80



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 0.279+/-4.617 χ^2/NDF:28.2/23

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -8.203+/-4.746 χ^2/NDF:18.6/21

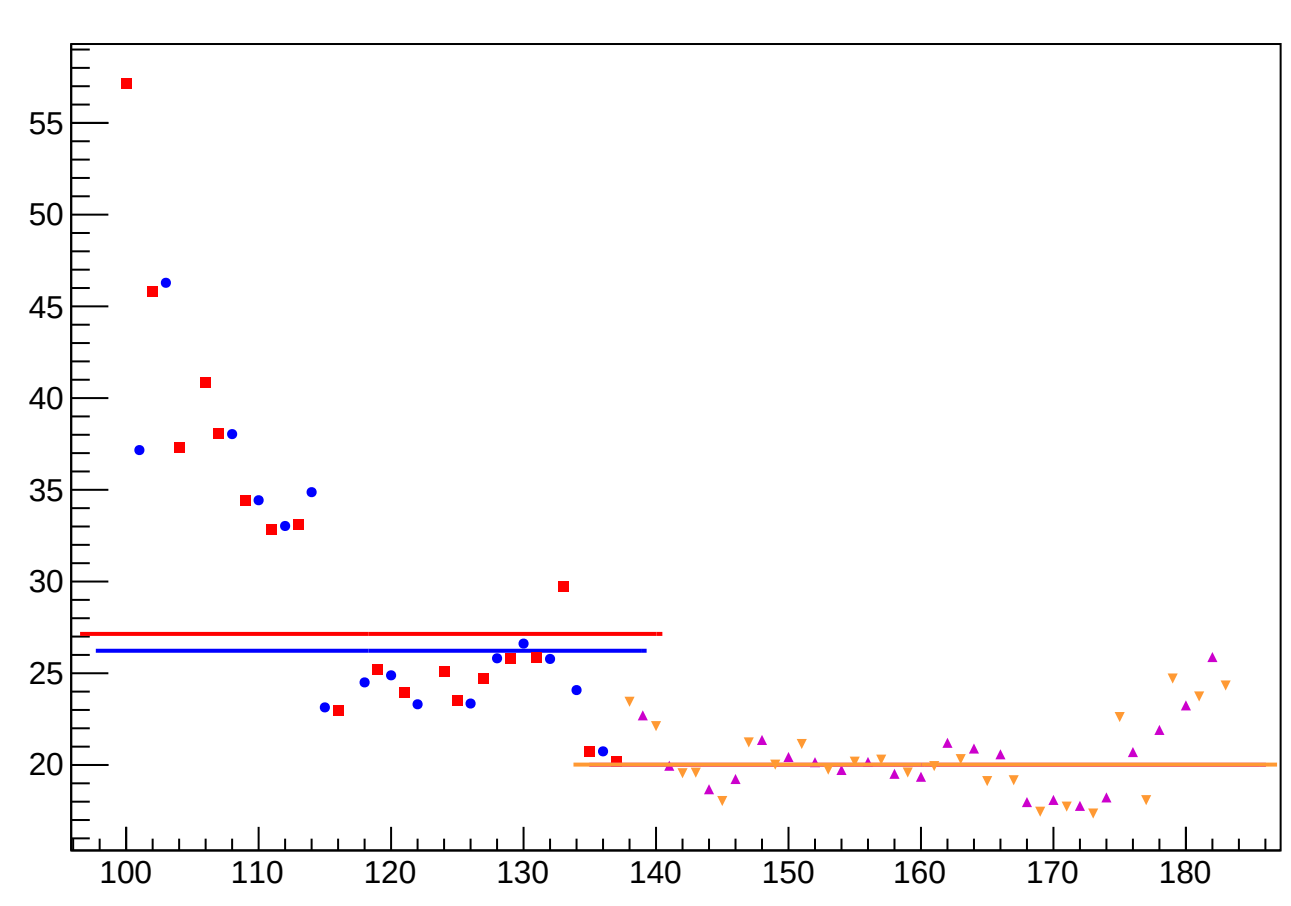
Left: -3.845+/-3.309 χ^2/NDF: 48.5/45

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -6.678+/-4.291 χ^2/NDF:40.5/37

Out: -2.347+/-4.211 χ^2/NDF:48.1/42

All: -4.471+/-3.005 χ^2/NDF: 89.1/80



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.021+/-0.003 χ^2/NDF:372602.3/23

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.011+/-0.003 χ^2/NDF:266064.2/21

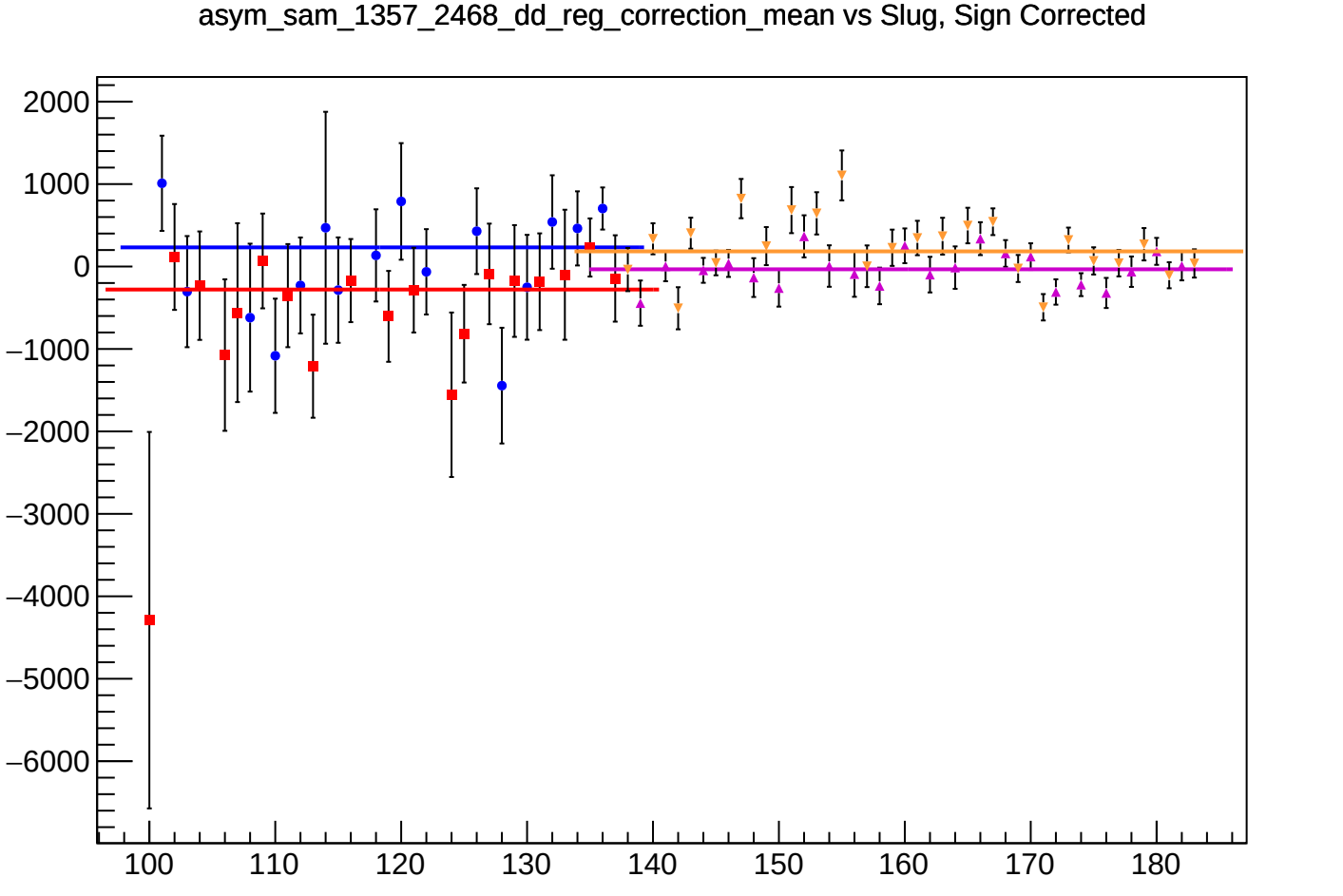
Left: 20.016+/-0.002 χ^2/NDF: 638671.3/45

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 21.145+/-0.003 χ^2/NDF:1567910.0/37

Out: 21.220+/-0.003 χ^2/NDF:1929009.2/42

All: 21.183+/-0.002 χ^2/NDF: 3497227.7/80



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 183.910+/-39.494 χ^2/NDF:68.8/23

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: 77.674+/-28.253 χ^2/NDF: 107.7/45

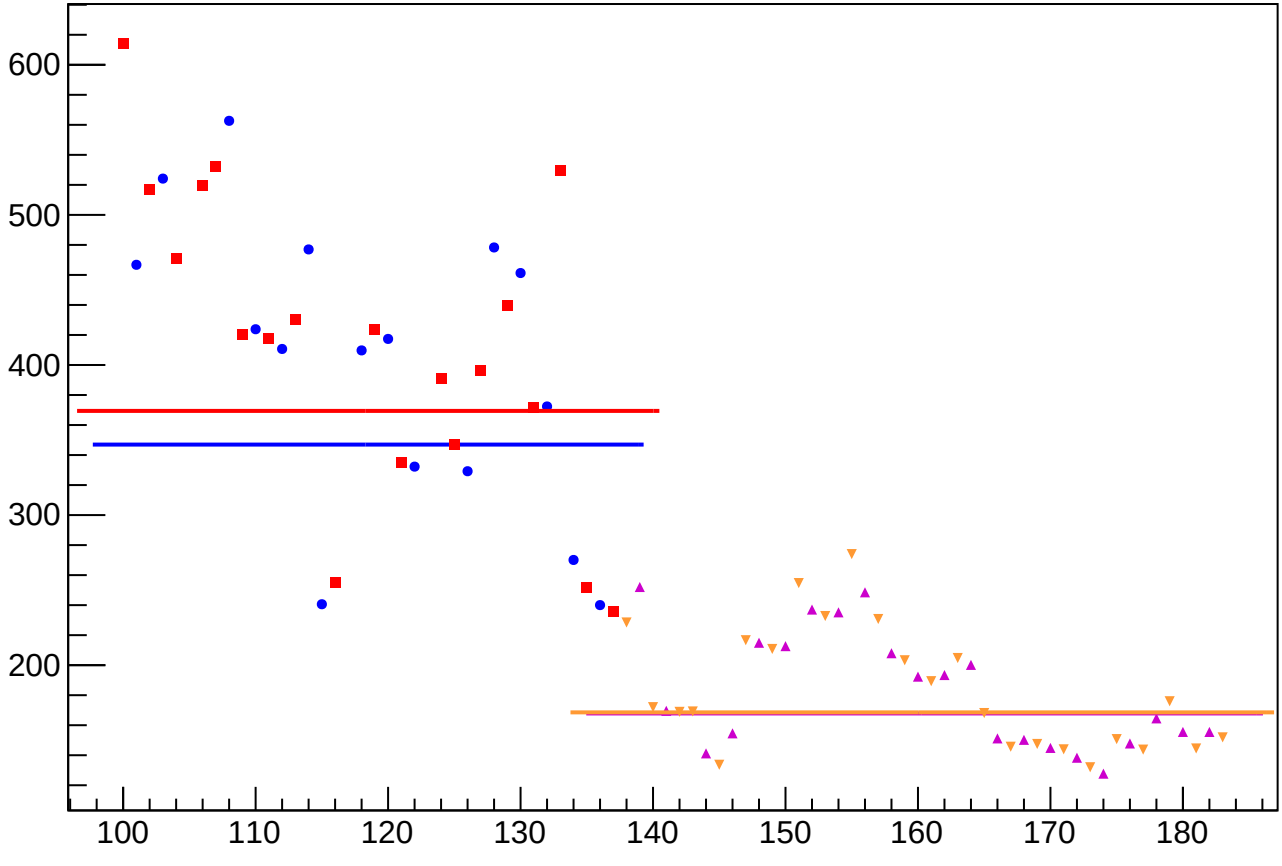
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: -11.768+/-38.732 χ^2/NDF:47.3/37

Out: 149.768+/-38.009 χ^2/NDF:91.0/42

All: 70.521+/-27.128 χ^2/NDF: 147.1/80

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: 168.556+/-0.028 χ^2/NDF:1541380.6/23

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 167.836+/-0.029 χ^2/NDF:1402601.5/21

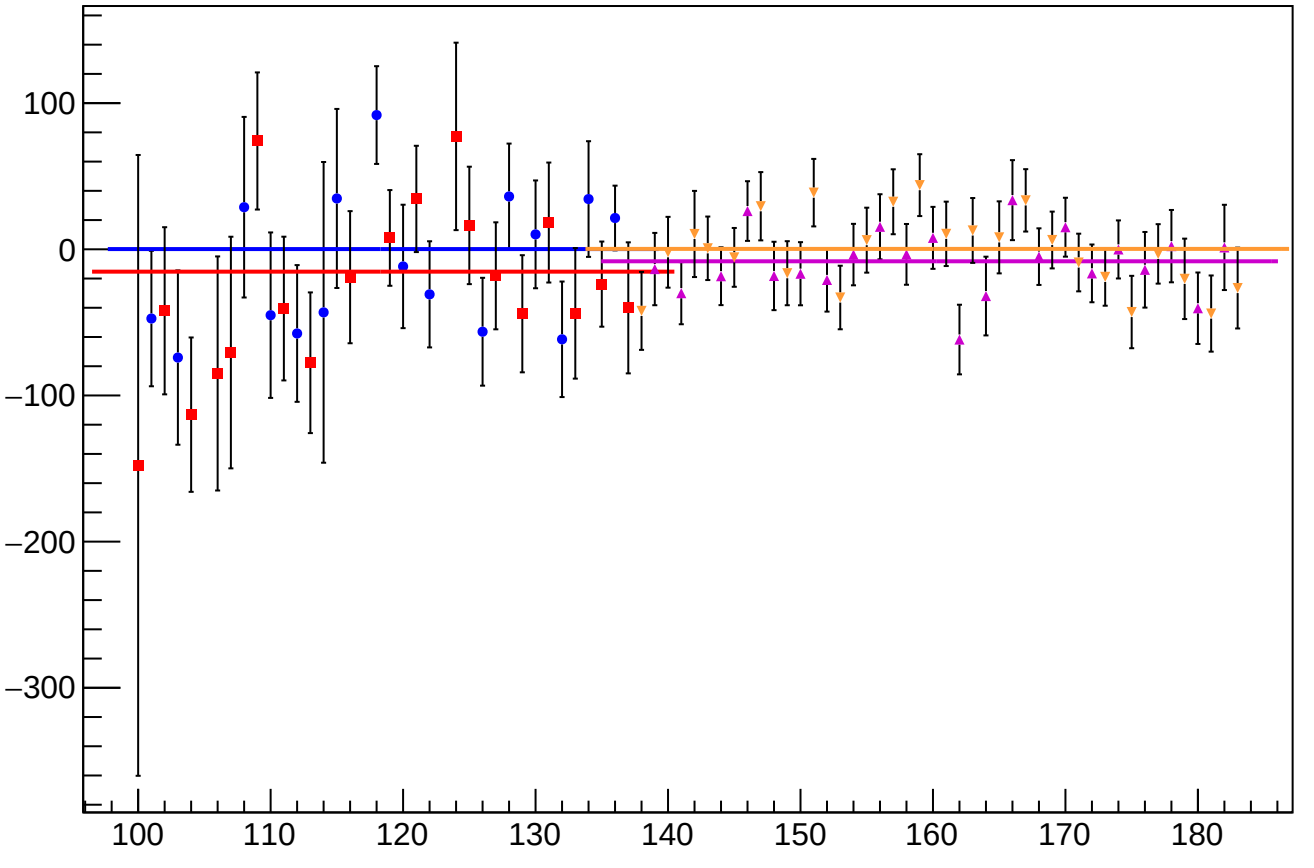
Left: 168.205+/-0.020 χ^2/NDF: 2944307.2/45

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 182.609+/-0.027 χ^2/NDF:5697809.7/37

Out: 183.369+/-0.027 χ^2/NDF:6275109.4/42

All: 182.996+/-0.019 χ^2/NDF: 11973311.3/80



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 0.278+/-4.617 χ^2/NDF:28.2/23

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -8.203+/-4.746 χ^2/NDF:18.6/21

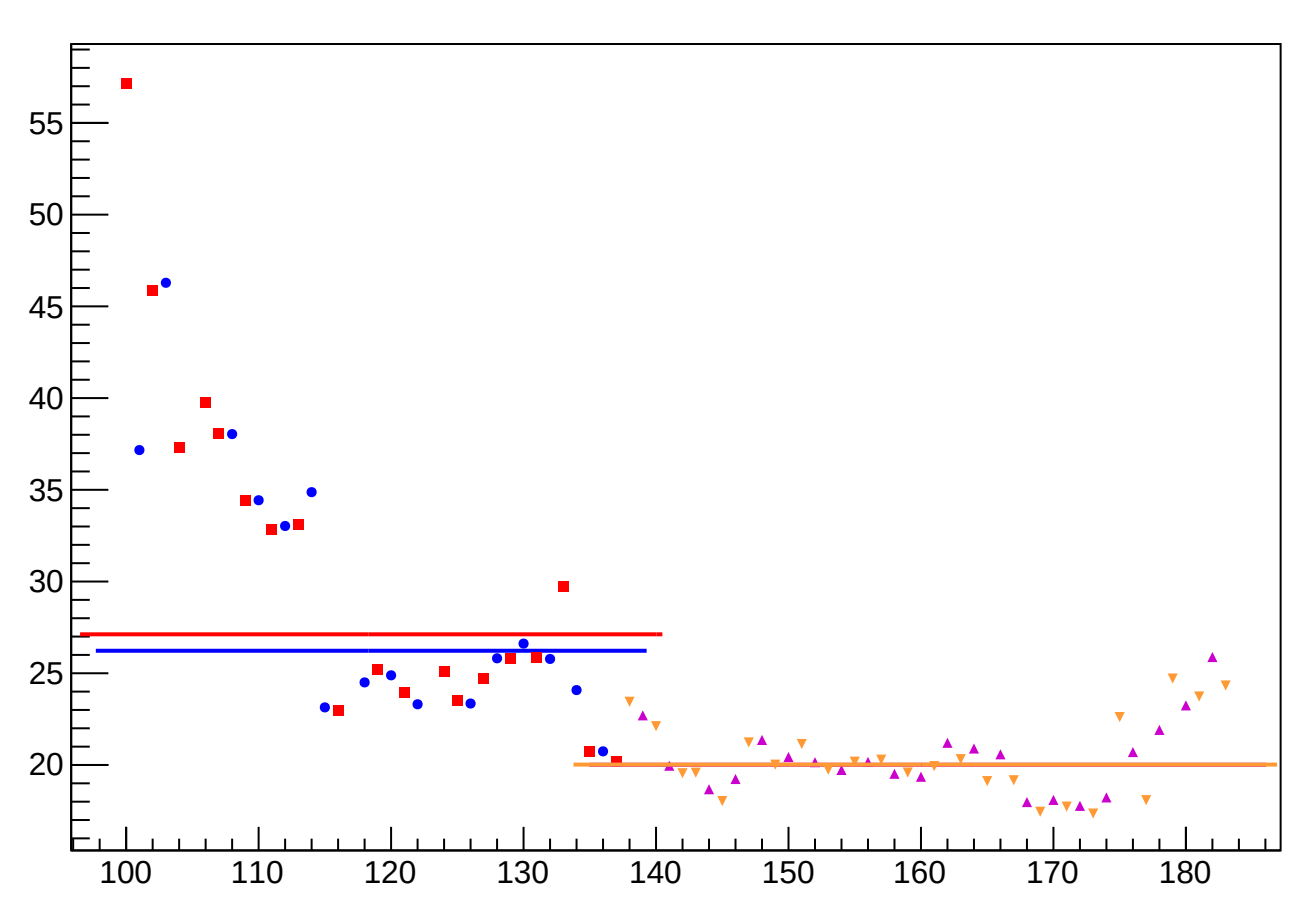
Left: -3.846+/-3.309 χ^2/NDF: 48.5/45

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.678+/-4.291 χ^2/NDF:40.5/37

Out: -2.340+/-4.211 χ^2/NDF:48.0/42

All: -4.468+/-3.006 χ^2/NDF: 89.1/80



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.021+/-0.003 χ^2/NDF:372602.3/23

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.011+/-0.003 χ^2/NDF:266064.2/21

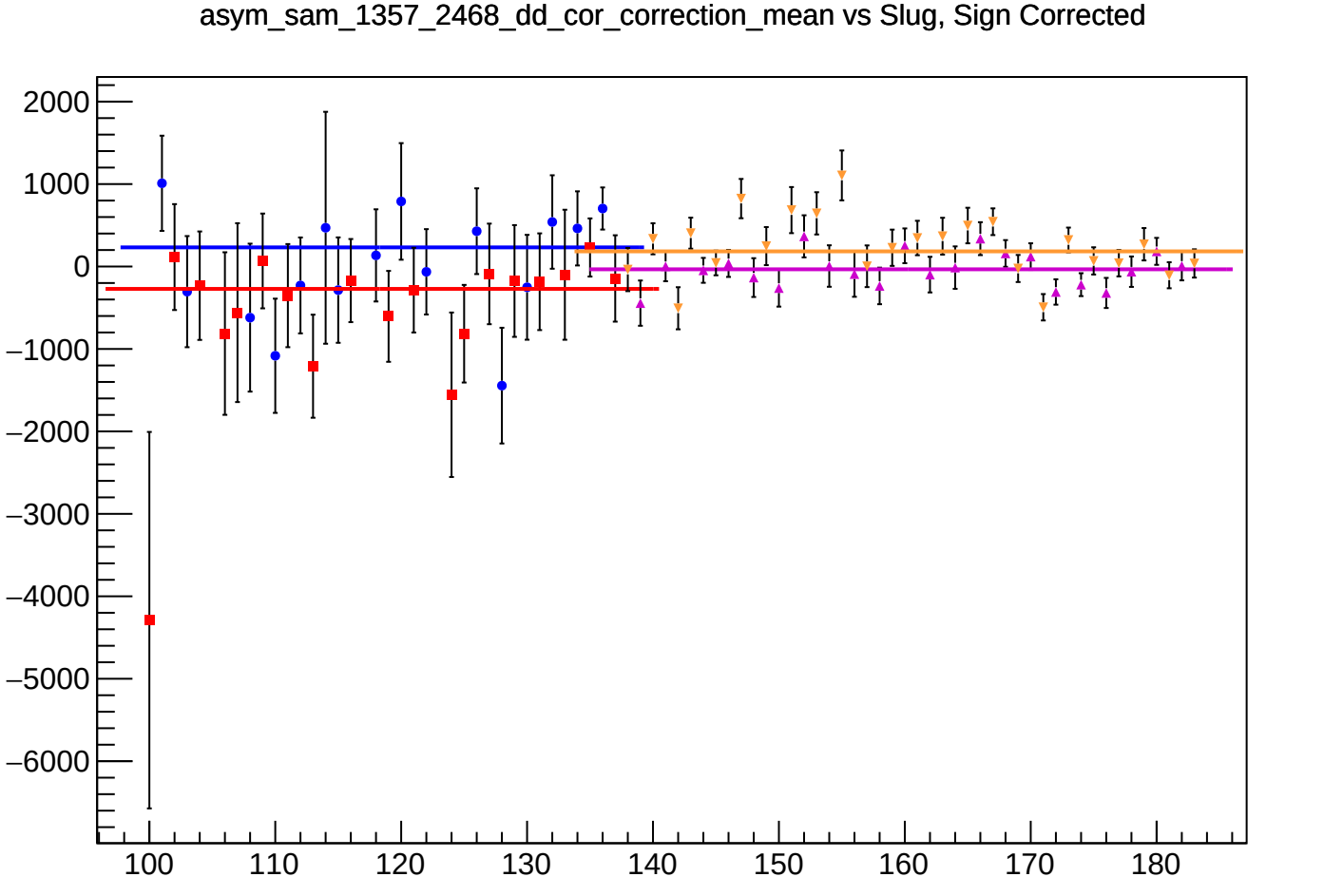
Left: 20.016+/-0.002 χ^2/NDF: 638671.3/45

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.145+/-0.003 χ^2/NDF:1567913.4/37

Out: 21.215+/-0.003 χ^2/NDF:1914124.7/42

All: 21.181+/-0.002 χ^2/NDF: 3482314.2/80



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 183.908+/-39.494 χ^2/NDF:68.8/23

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: 77.673+/-28.253 χ^2/NDF: 107.7/45

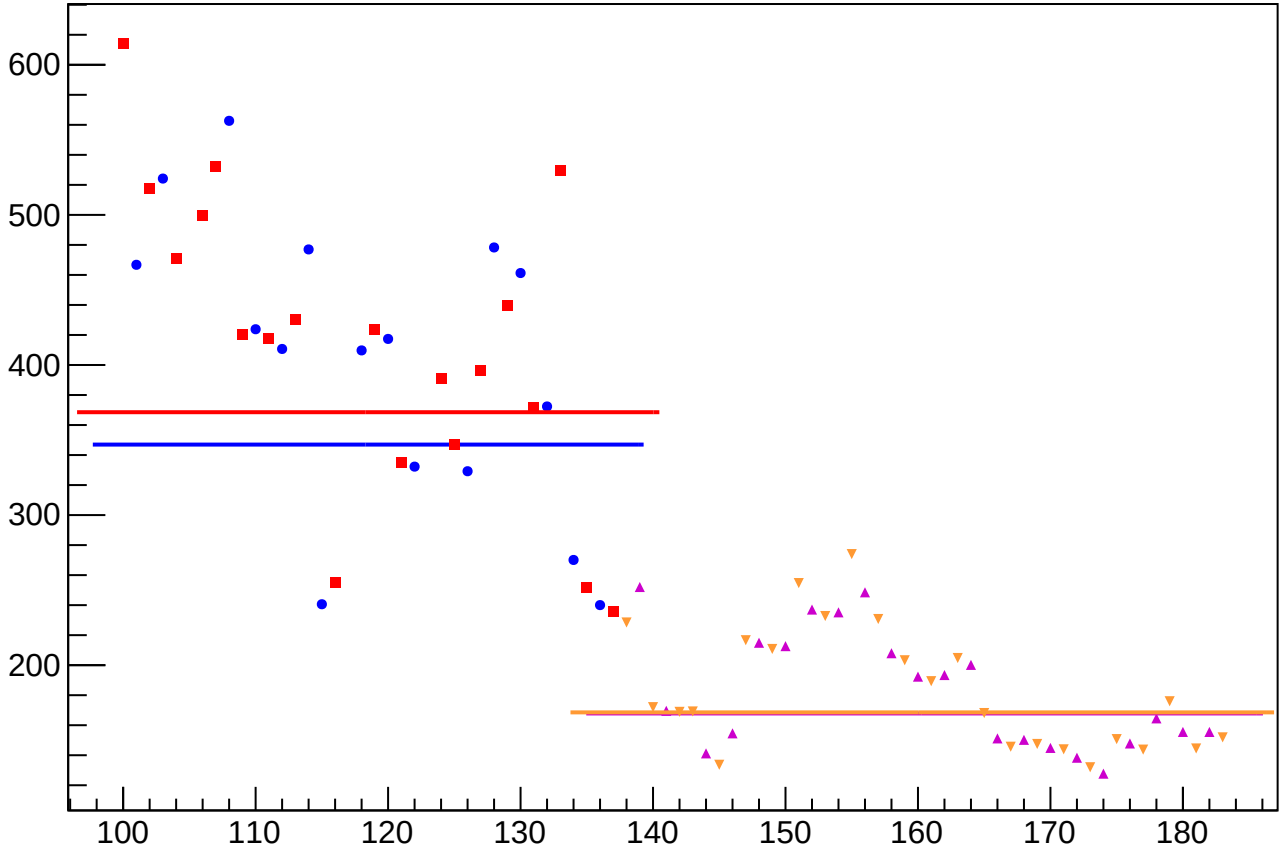
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -11.769+/-38.732 χ^2/NDF:47.3/37

Out: 150.426+/-38.014 χ^2/NDF:90.2/42

All: 70.846+/-27.130 χ^2/NDF: 146.4/80

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: 168.556+/-0.028 χ^2/NDF:1541380.6/23

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 167.836+/-0.029 χ^2/NDF:1402597.4/21

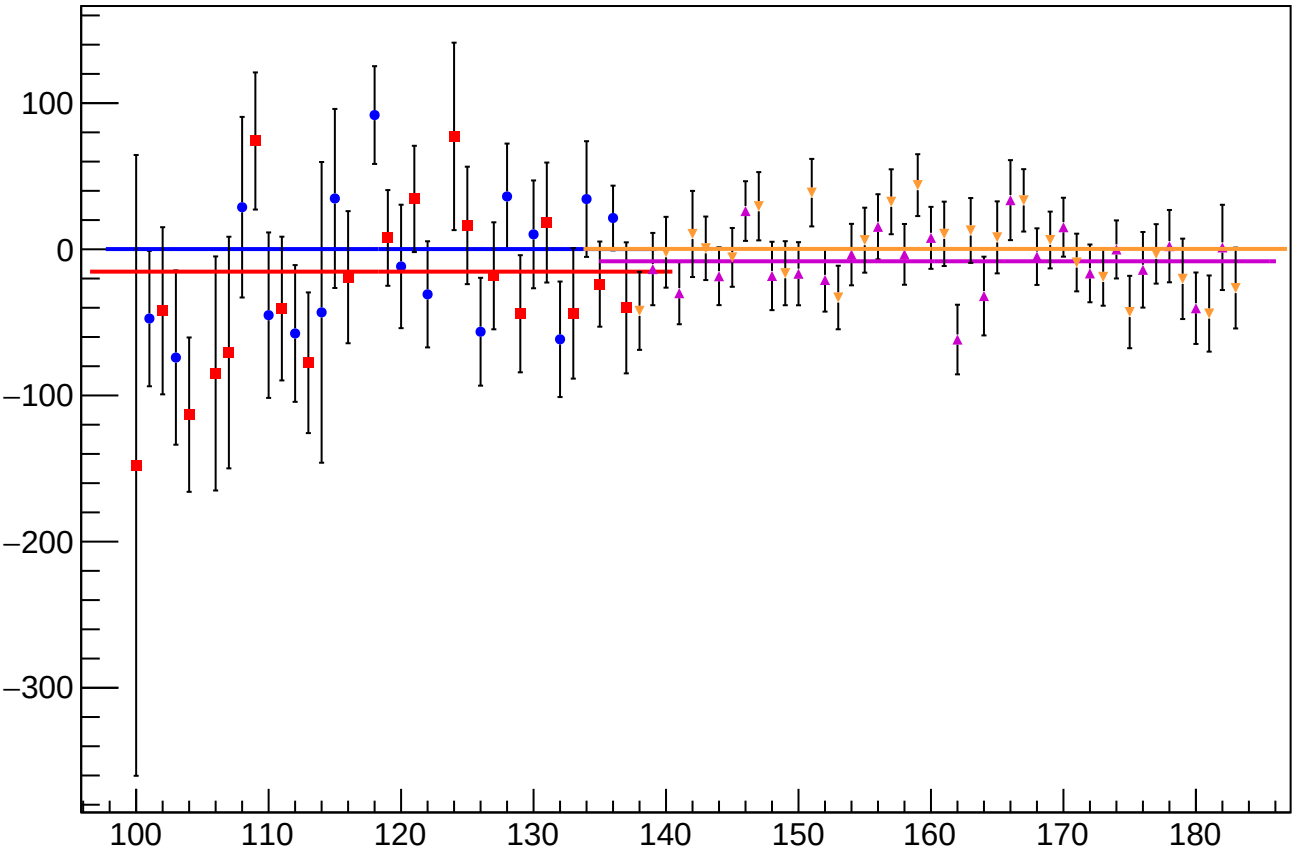
Left: 168.205+/-0.020 χ^2/NDF: 2944303.1/45

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 182.609+/-0.027 χ^2/NDF:5697824.7/37

Out: 183.262+/-0.027 χ^2/NDF:6212747.6/42

All: 182.942+/-0.019 χ^2/NDF: 11910862.2/80



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 0.278+/-4.617 χ^2/NDF:28.2/23

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -8.203+/-4.746 χ^2/NDF:18.6/21

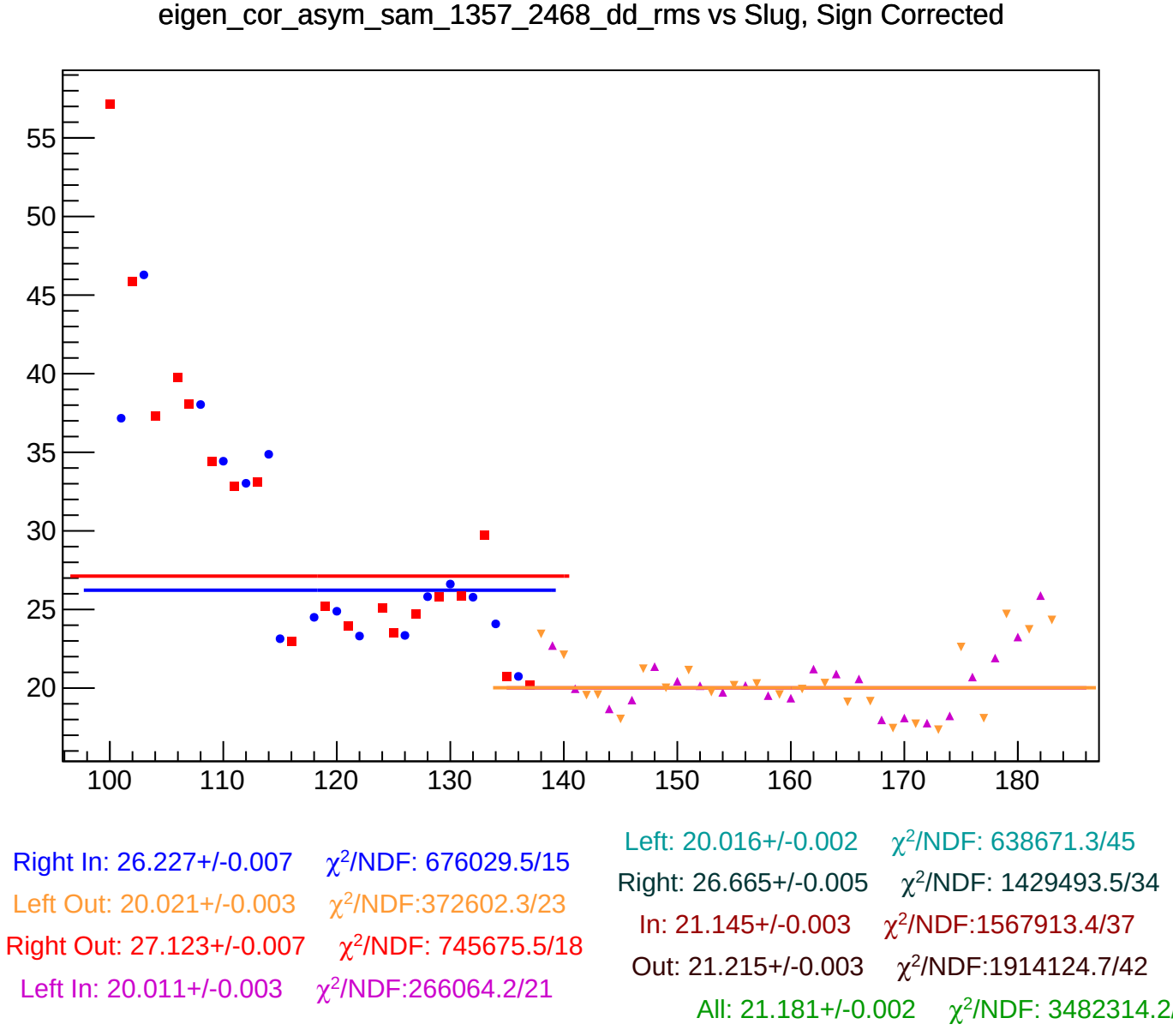
Left: -3.846+/-3.309 χ^2/NDF: 48.5/45

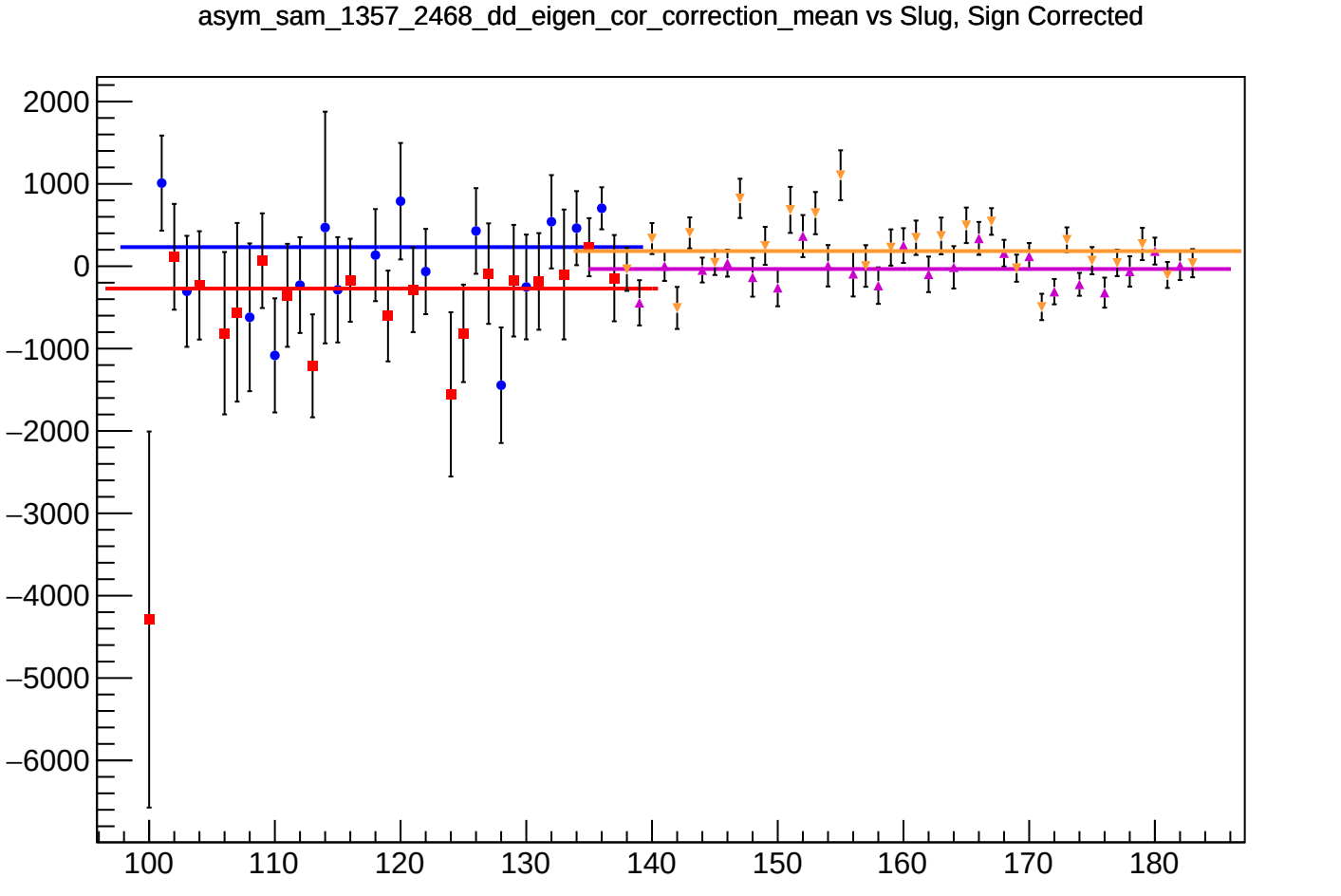
Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.678+/-4.291 χ^2/NDF:40.5/37

Out: -2.340+/-4.211 χ^2/NDF:48.0/42

All: -4.468+/-3.006 χ^2/NDF: 89.1/80


eigen_cor_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected
55
50
45
40
35
30
25
20
100
110
120
130
140
150
160
170
180
Right In: 26.227+/-0.007 χ²/NDF: 676029.5/15
Left Out: 20.021+/-0.003 χ²/NDF:372602.3/23
Right Out: 27.123+/-0.007 χ²/NDF: 745675.5/18
Left In: 20.011+/-0.003 χ²/NDF:266064.2/21
Left: 20.016+/-0.002 χ²/NDF: 638671.3/45
Right: 26.665+/-0.005 χ²/NDF: 1429493.5/34
In: 21.145+/-0.003 χ²/NDF:1567913.4/37
Out: 21.215+/-0.003 χ²/NDF:1914124.7/42
All: 21.181+/-0.002 χ²/NDF: 3482314.2/80



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 183.908+/-39.494 χ^2/NDF:68.8/23

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: 77.673+/-28.253 χ^2/NDF: 107.7/45

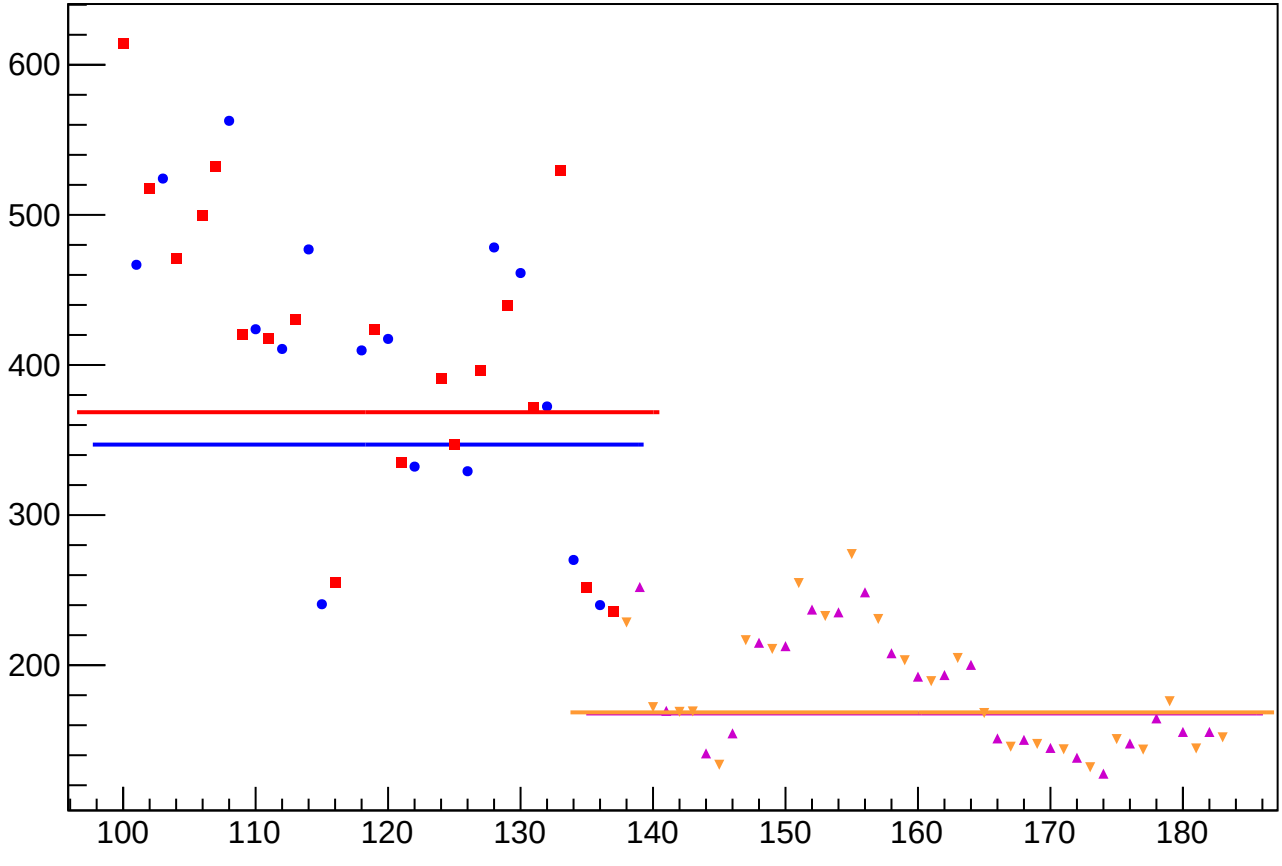
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -11.769+/-38.732 χ^2/NDF:47.3/37

Out: 150.426+/-38.014 χ^2/NDF:90.2/42

All: 70.846+/-27.130 χ^2/NDF: 146.4/80

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: 168.556+/-0.028 χ^2/NDF:1541380.6/23

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: 168.205+/-0.020 χ^2/NDF: 2944303.1/45

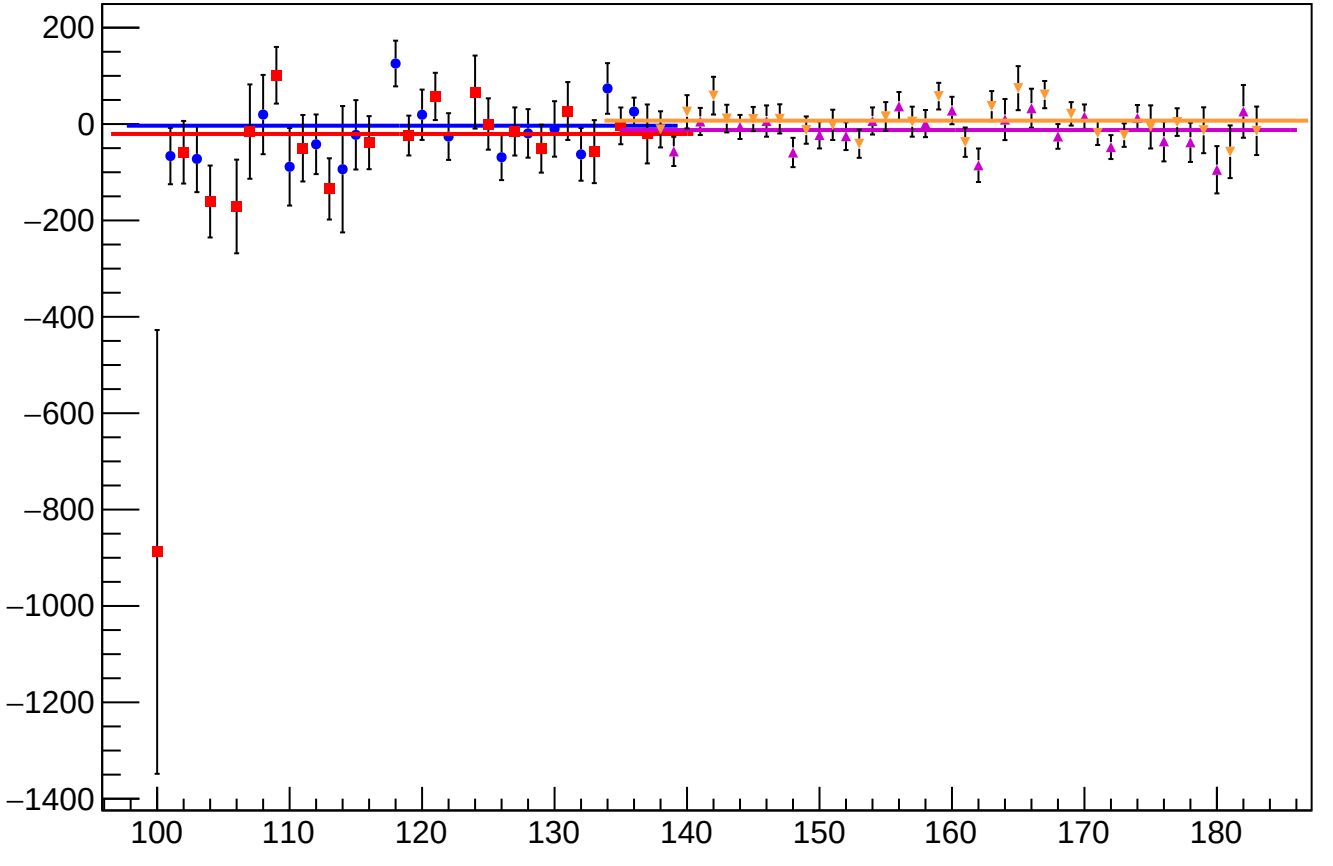
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 182.609+/-0.027 χ^2/NDF:5697824.7/37

Out: 183.262+/-0.027 χ^2/NDF:6212747.6/42

All: 182.942+/-0.019 χ^2/NDF: 11910862.2/80

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 7.103+/-6.362 χ^2/NDF:22.7/23

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -12.413+/-6.541 χ^2/NDF:25.4/21

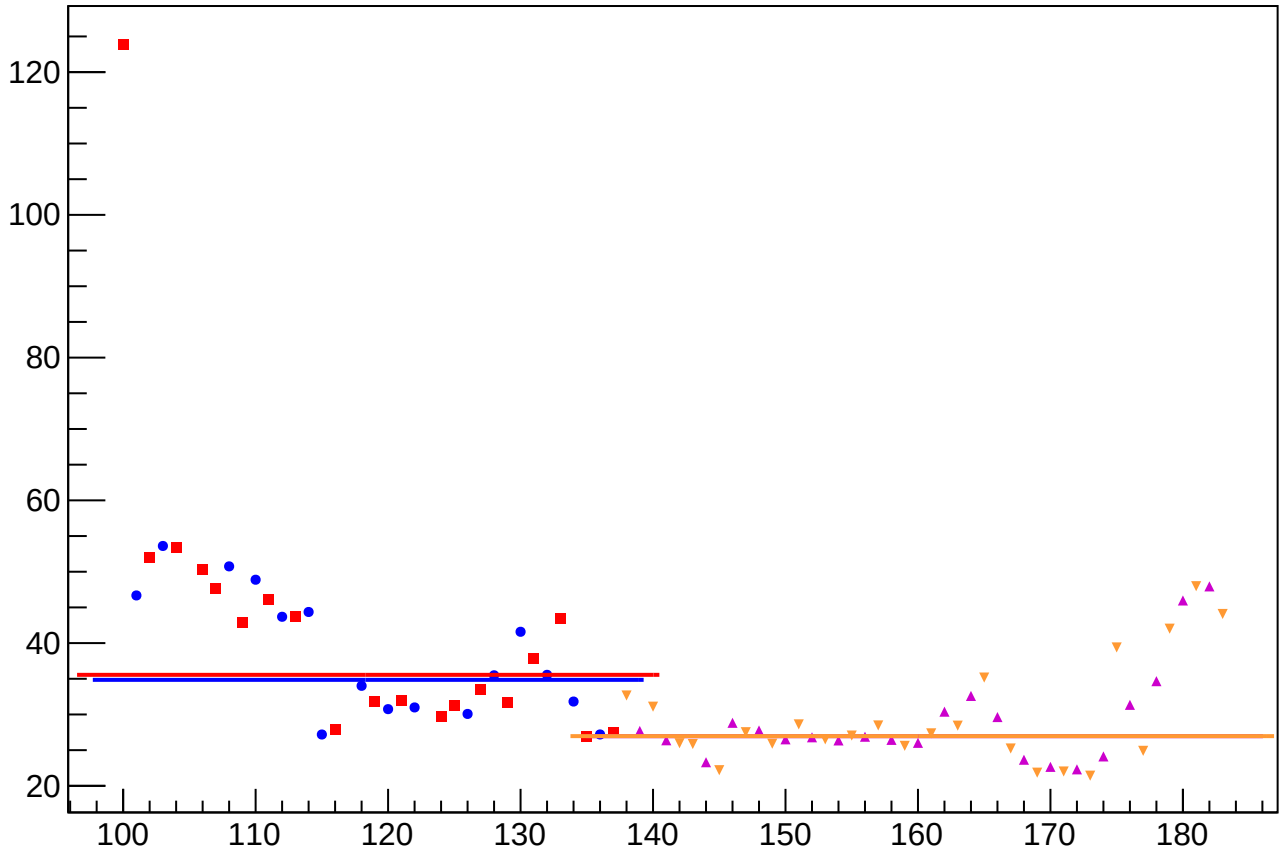
Left: -2.385+/-4.561 χ^2/NDF: 52.7/45

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -10.682+/-5.877 χ^2/NDF:44.2/37

Out: 2.059+/-5.753 χ^2/NDF:49.3/42

All: -4.175+/-4.111 χ^2/NDF: 95.9/80



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.964+/-0.004 χ^2/NDF:1409816.5/23

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.955+/-0.005 χ^2/NDF:991567.6/21

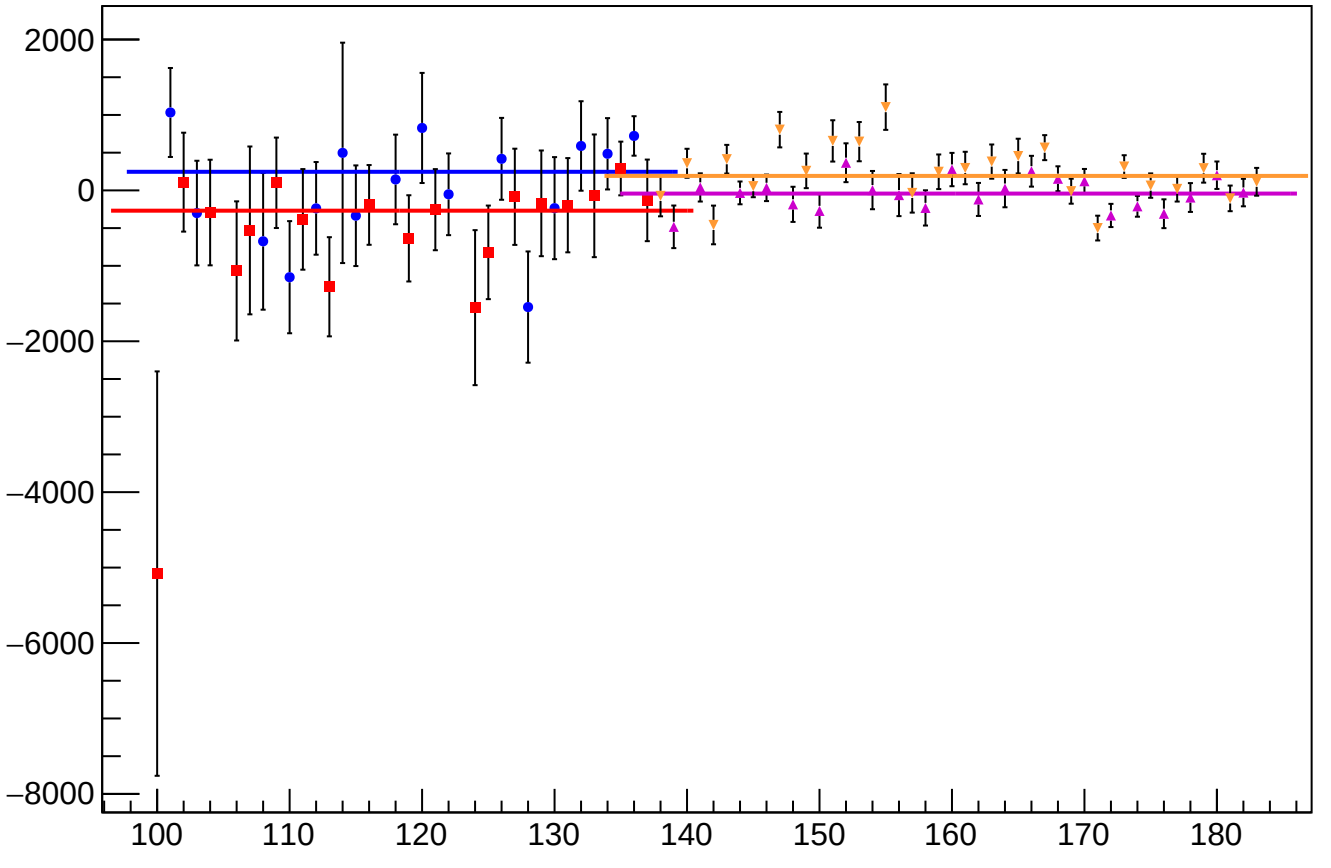
Left: 26.960+/-0.003 χ^2/NDF: 2401386.5/45

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 28.475+/-0.004 χ^2/NDF:2211014.9/37

Out: 28.530+/-0.004 χ^2/NDF:2854074.1/42

All: 28.503+/-0.003 χ^2/NDF: 5065177.8/80



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 192.027+/-40.160 χ^2/NDF:65.6/23

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: 78.395+/-28.820 χ^2/NDF: 105.3/45

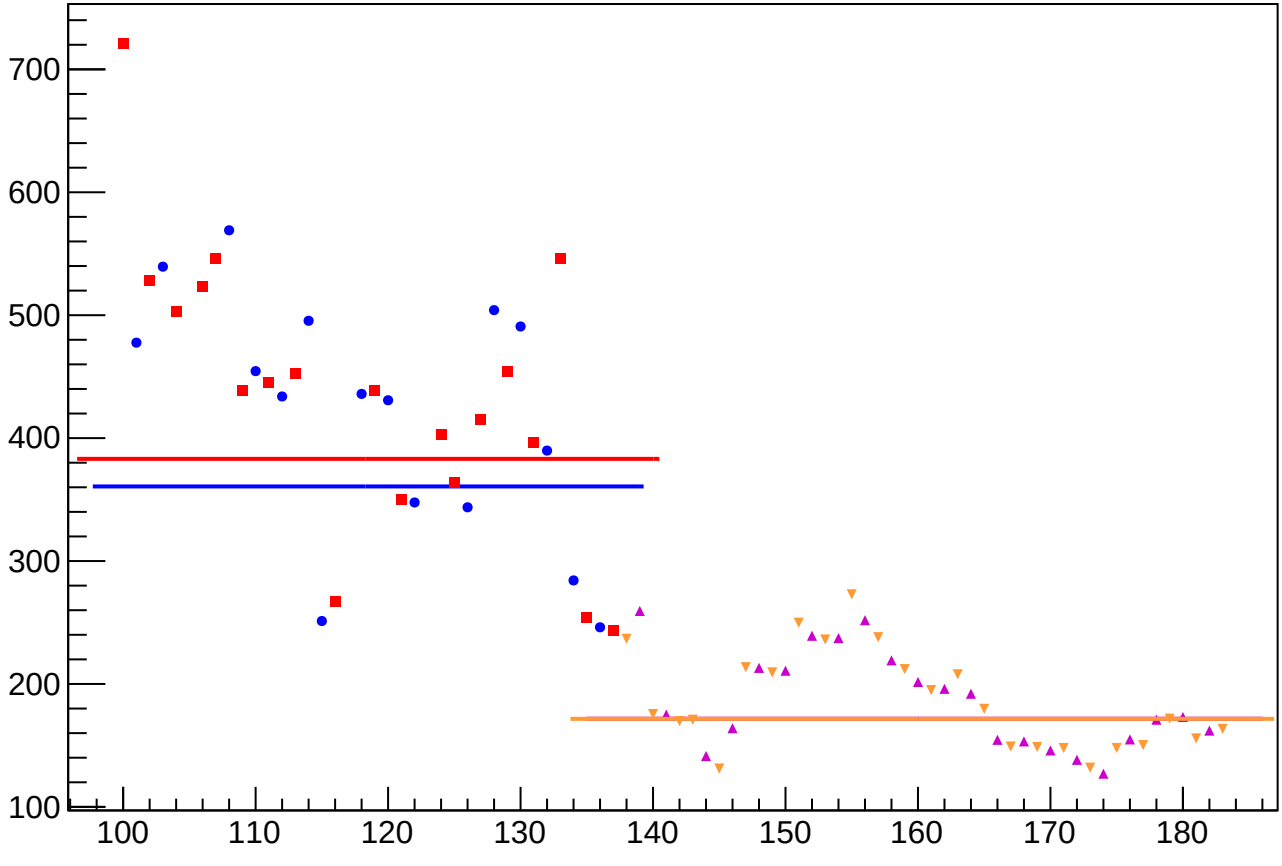
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: -19.141+/-39.691 χ^2/NDF:46.8/37

Out: 159.312+/-38.708 χ^2/NDF:87.6/42

All: 72.322+/-27.712 χ^2/NDF: 144.8/80

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: 171.634+/-0.028 χ^2/NDF:1523578.3/23

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 171.727+/-0.029 χ^2/NDF:1412409.9/21

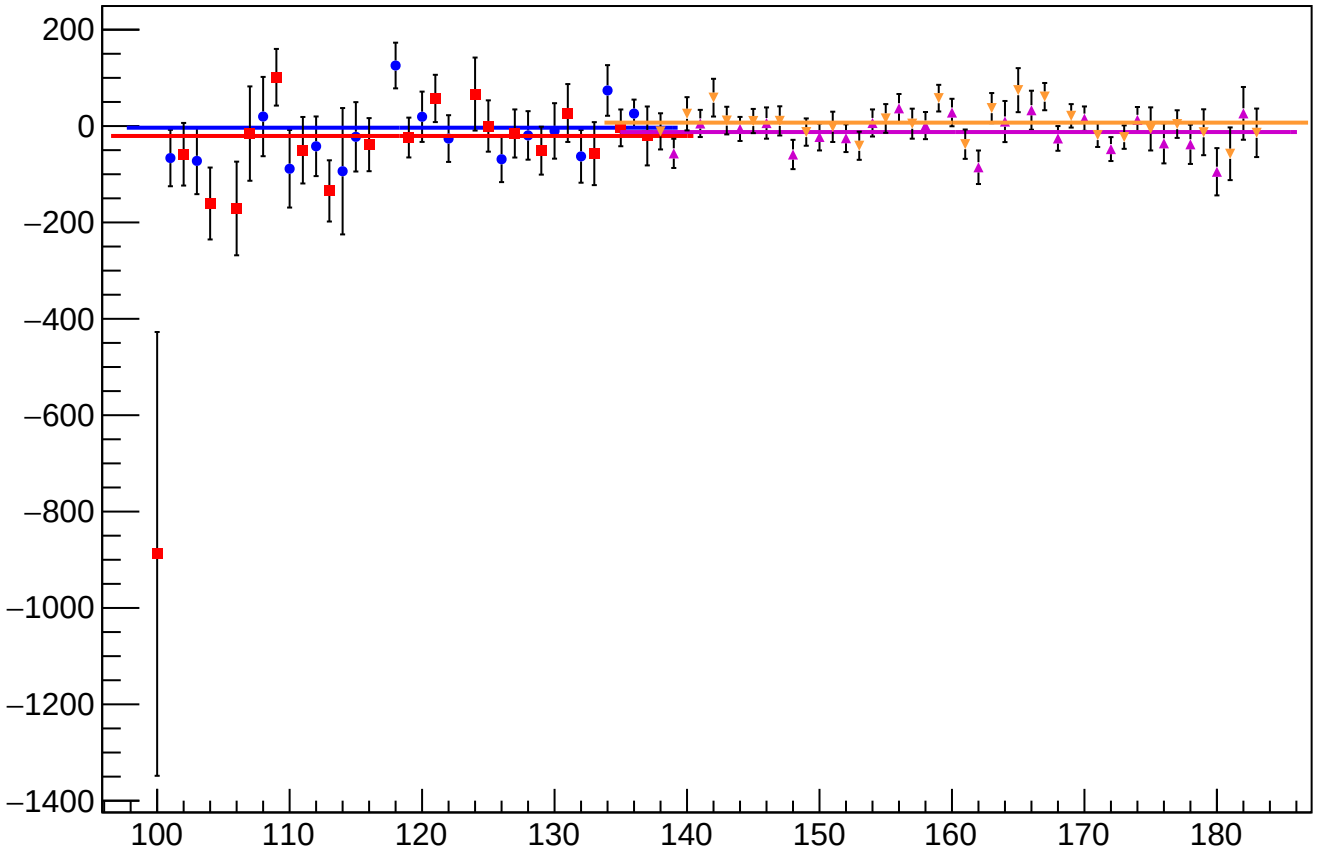
Left: 171.679+/-0.020 χ^2/NDF: 2935993.5/45

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 186.856+/-0.028 χ^2/NDF:5843985.7/37

Out: 186.645+/-0.027 χ^2/NDF:6423699.2/42

All: 186.748+/-0.020 χ^2/NDF: 12267713.9/80



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 7.103+/-6.362 χ^2/NDF:22.7/23

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -12.413+/-6.541 χ^2/NDF:25.4/21

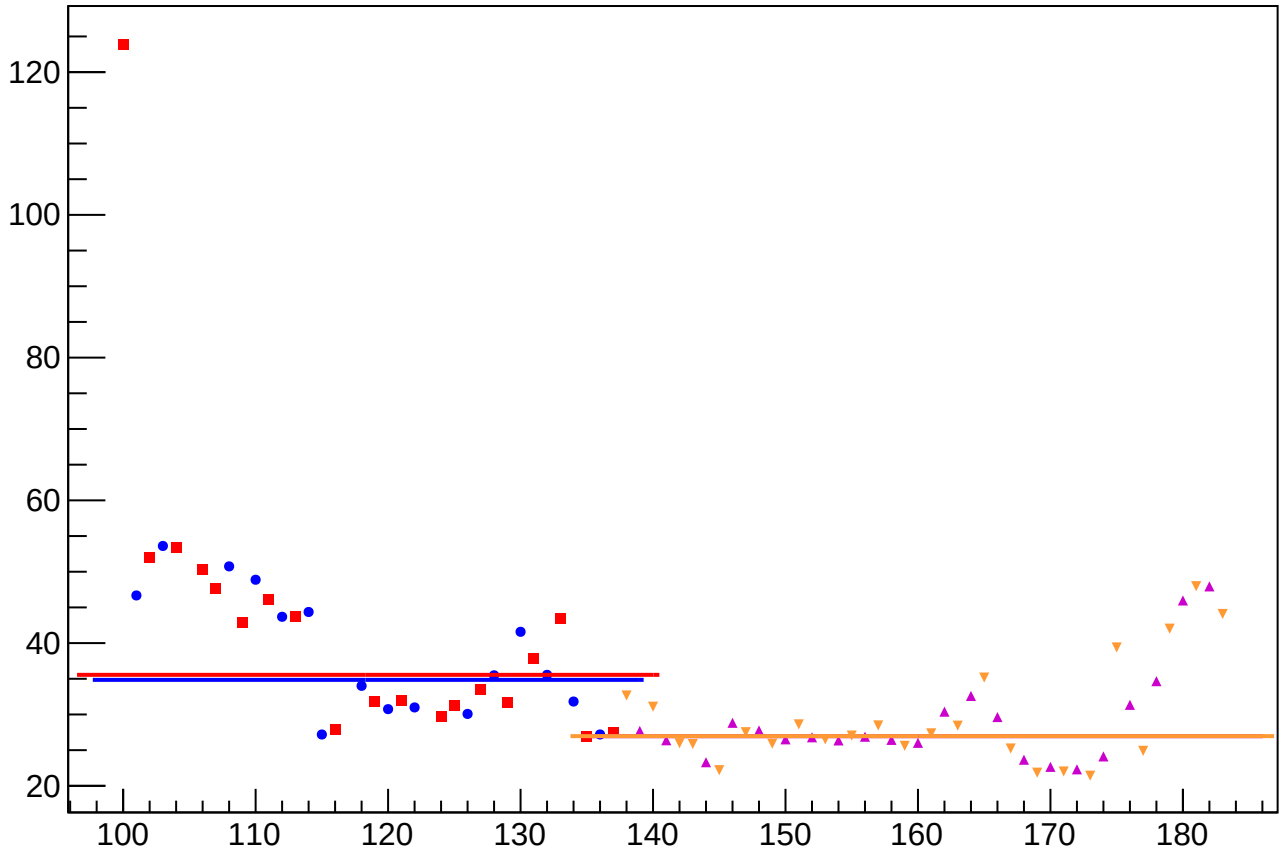
Left: -2.385+/-4.561 χ^2/NDF: 52.7/45

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -10.682+/-5.877 χ^2/NDF:44.2/37

Out: 2.059+/-5.753 χ^2/NDF:49.3/42

All: -4.175+/-4.111 χ^2/NDF: 95.9/80



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.965+/-0.004 χ^2/NDF:1409828.5/23

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.955+/-0.005 χ^2/NDF:991546.2/21

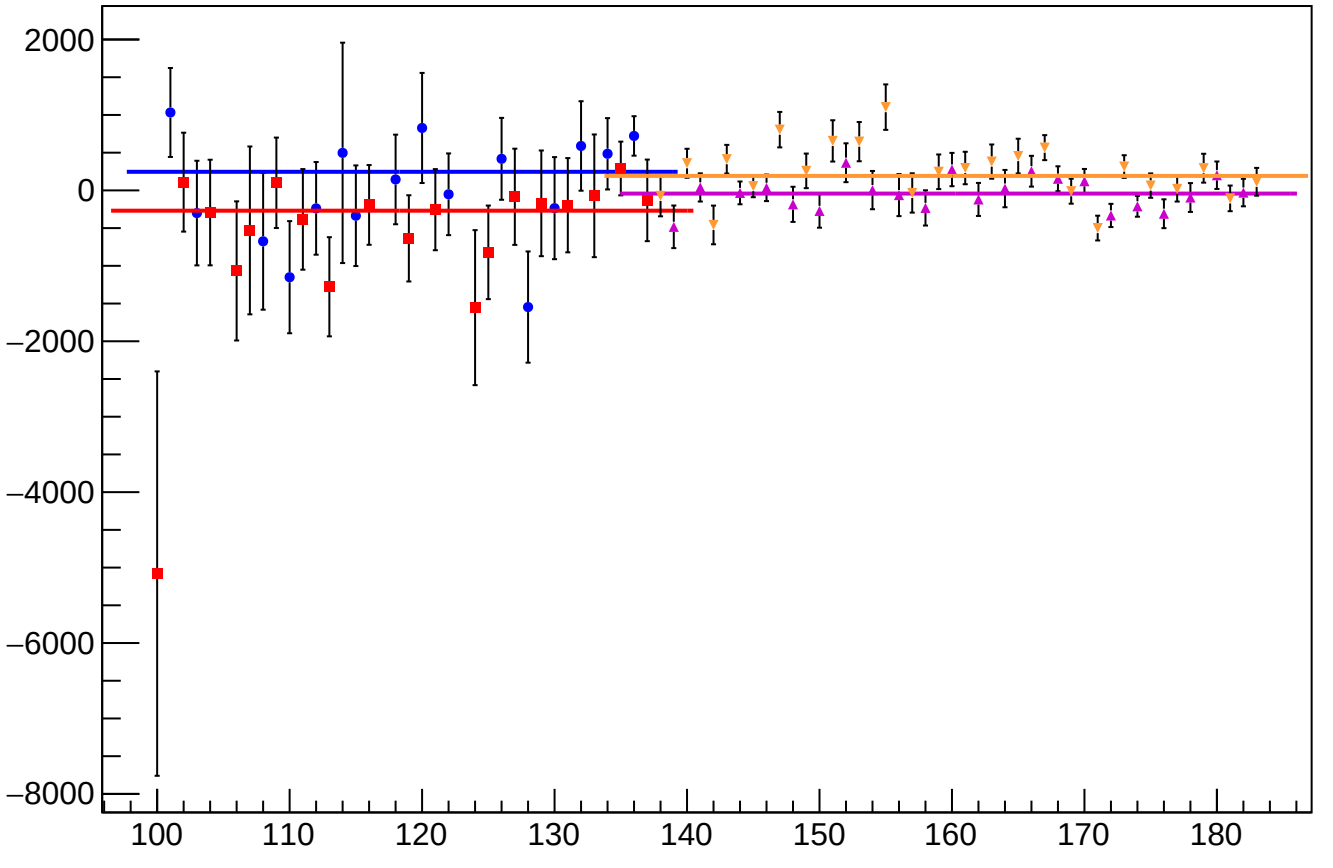
Left: 26.960+/-0.003 χ^2/NDF: 2401377.1/45

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 28.475+/-0.004 χ^2/NDF:2210875.5/37

Out: 28.530+/-0.004 χ^2/NDF:2853991.6/42

All: 28.503+/-0.003 χ^2/NDF: 5064956.0/80



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 192.027+/-40.160 χ^2/NDF:65.6/23

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: 78.394+/-28.820 χ^2/NDF: 105.3/45

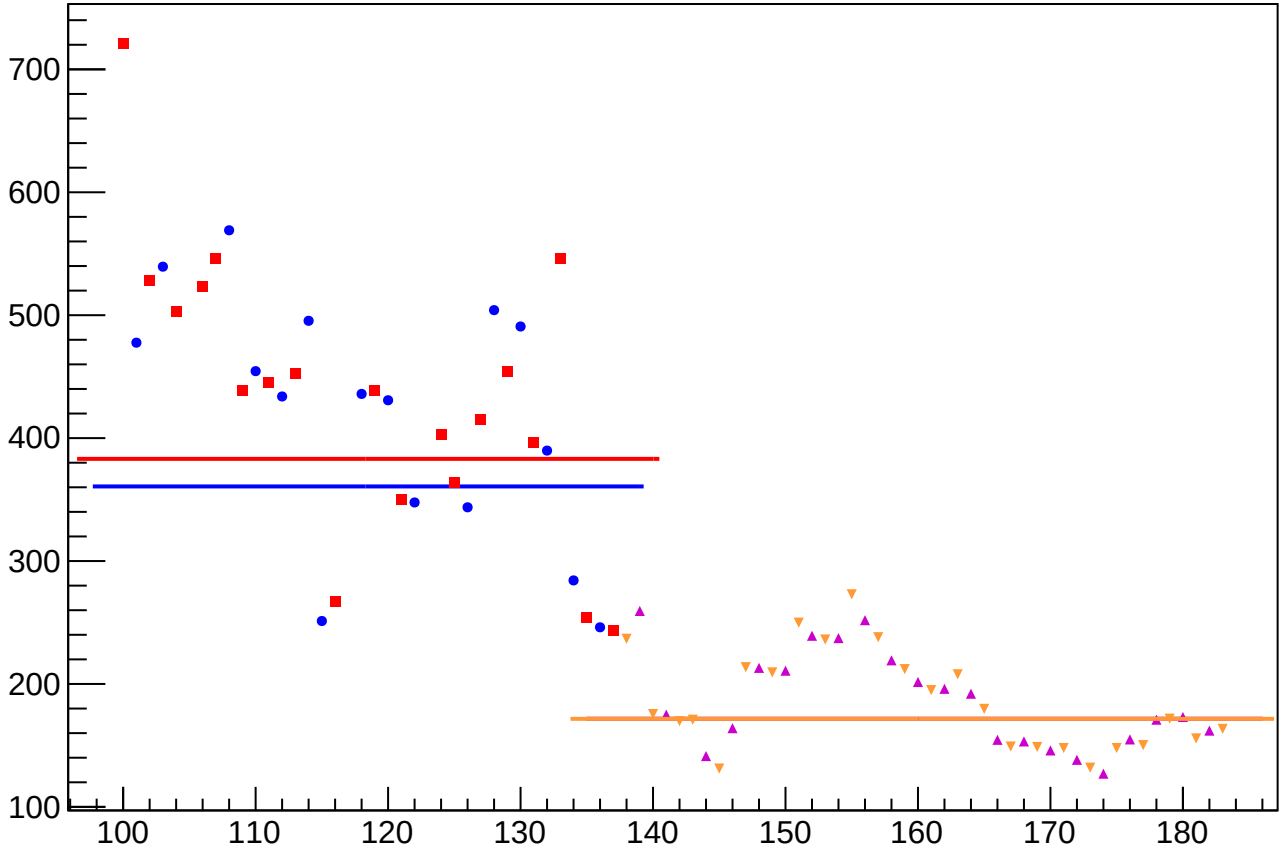
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: -19.142+/-39.691 χ^2/NDF:46.8/37

Out: 159.311+/-38.708 χ^2/NDF:87.6/42

All: 72.321+/-27.712 χ^2/NDF: 144.8/80

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: 171.633+/-0.028 χ^2/NDF:1523595.3/23

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: 171.679+/-0.020 χ^2/NDF: 2936023.4/45

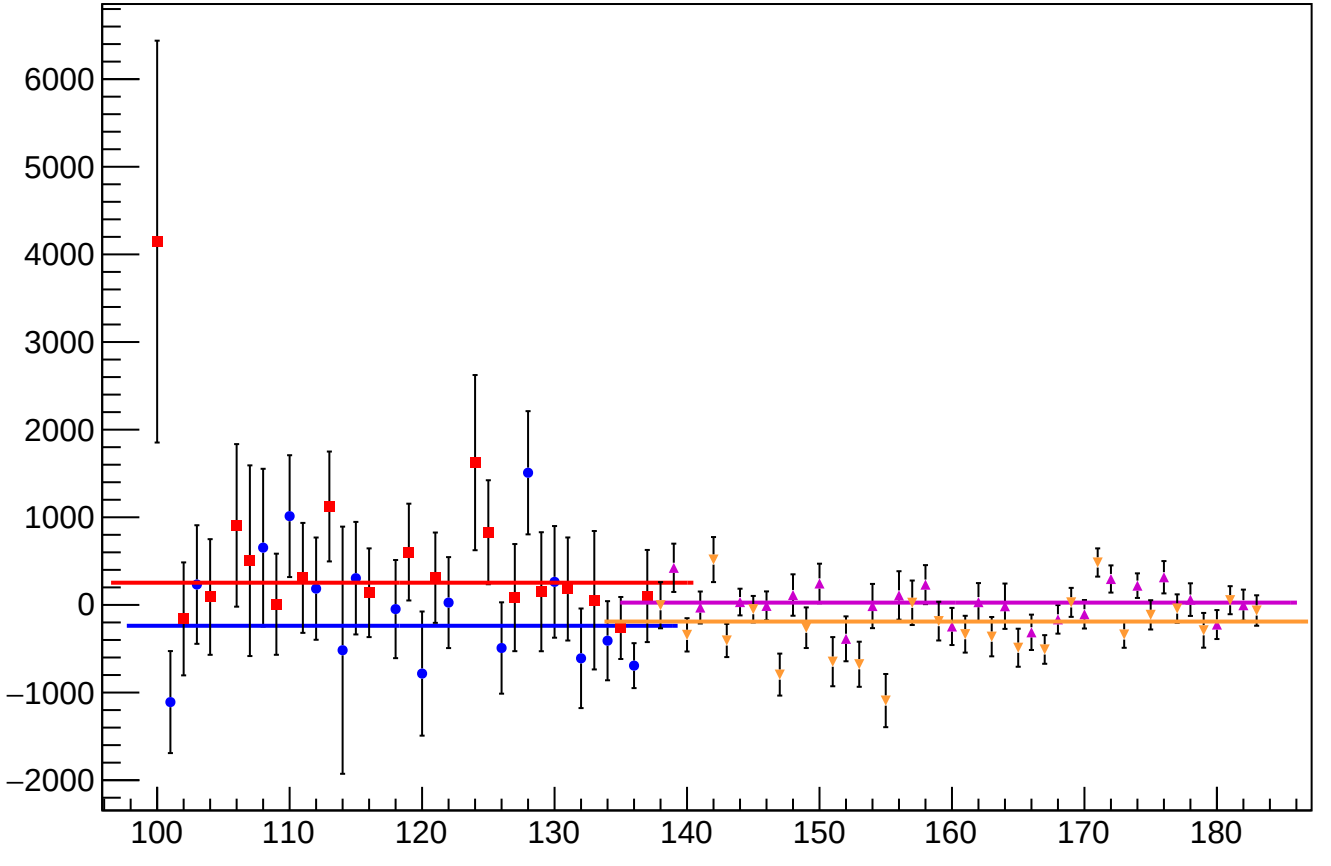
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 186.855+/-0.028 χ^2/NDF:5844000.7/37

Out: 186.644+/-0.027 χ^2/NDF:6423719.6/42

All: 186.747+/-0.020 χ^2/NDF: 12267749.2/80

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -189.728+/-39.811 χ^2/NDF:64.2/23

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: -84.316+/-28.480 χ^2/NDF: 101.8/45

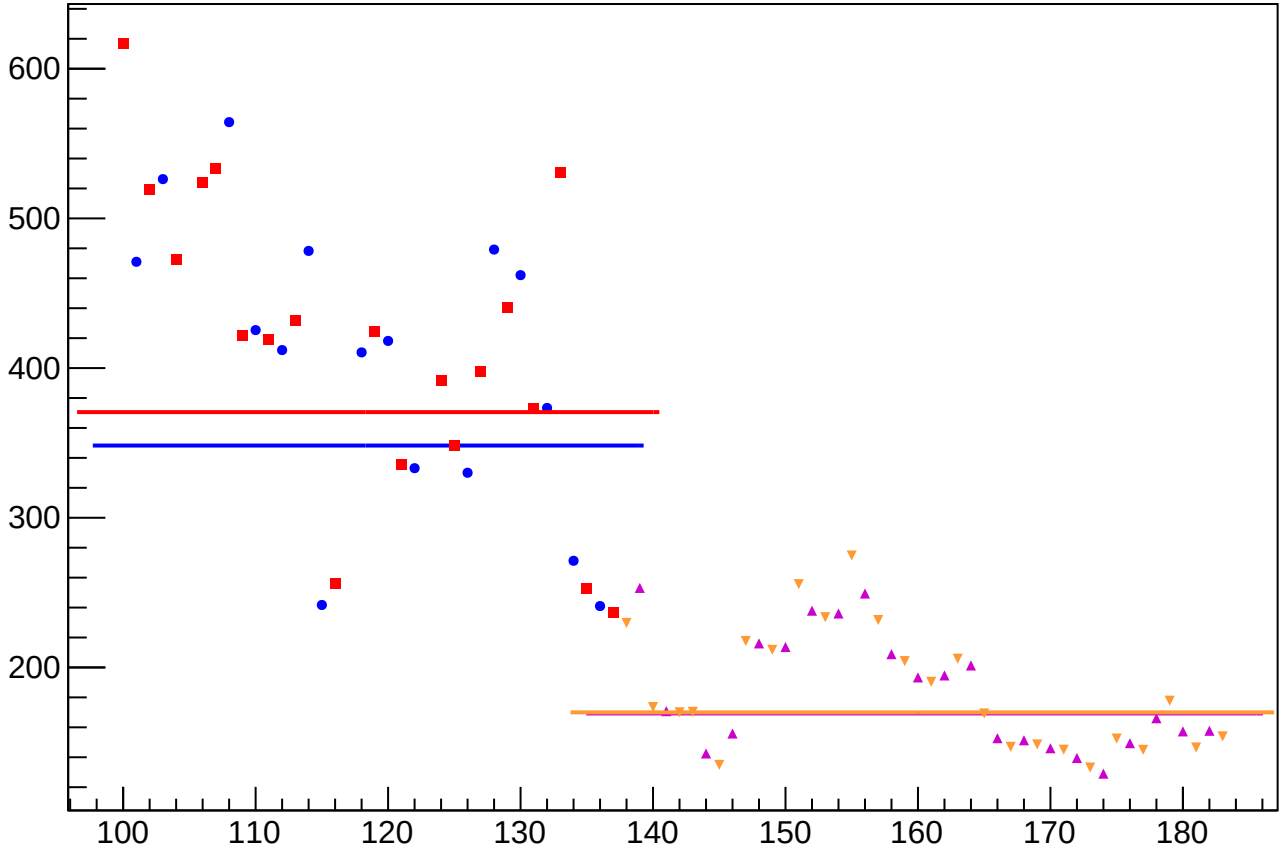
Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: 4.210+/-39.029 χ^2/NDF:46.6/37

Out: -156.753+/-38.302 χ^2/NDF:85.2/42

All: -77.785+/-27.337 χ^2/NDF: 140.4/80

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 169.990+/-0.028 χ^2/NDF:1510873.2/23

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 169.260+/-0.029 χ^2/NDF:1374078.6/21

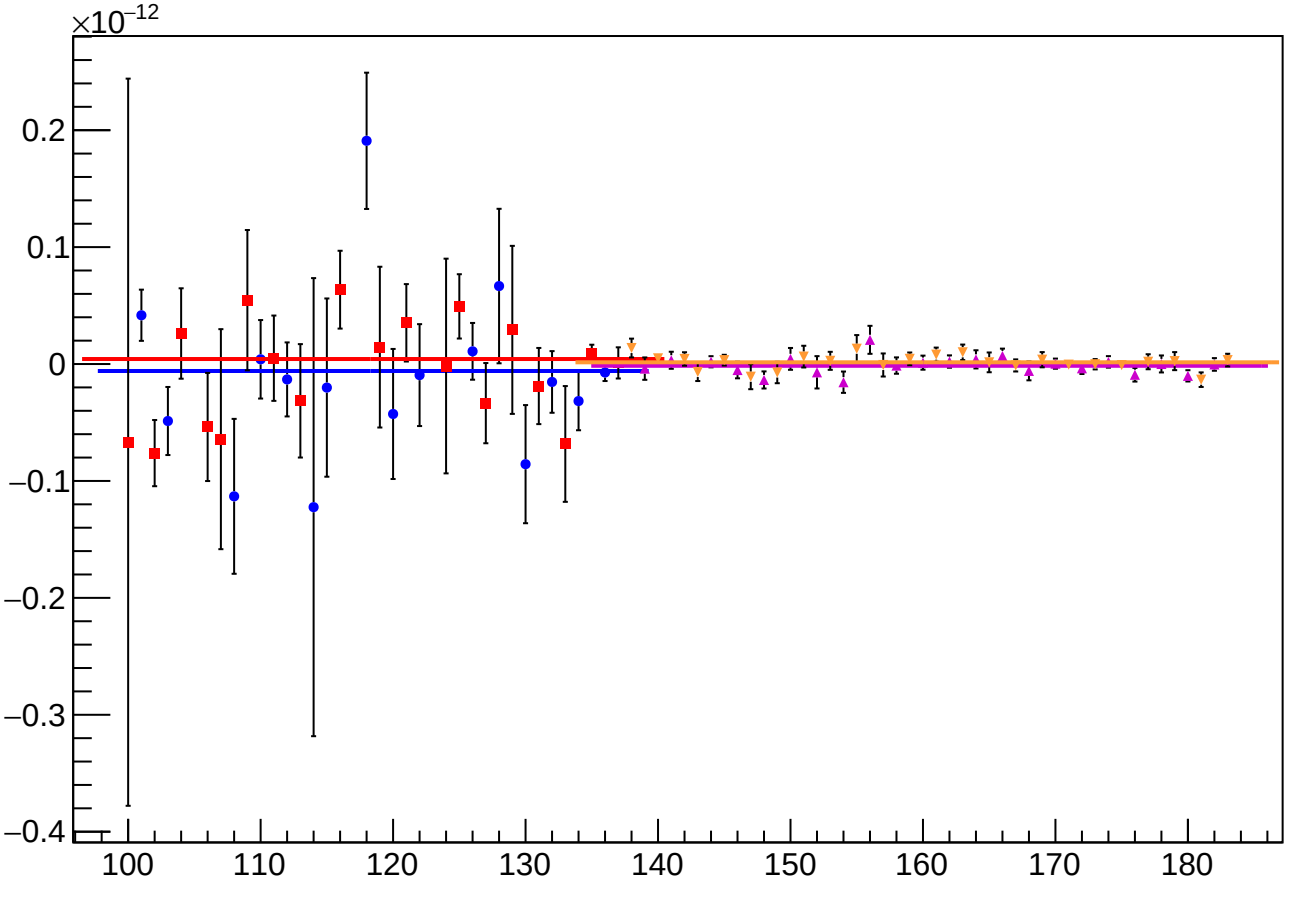
Left: 169.634+/-0.020 χ^2/NDF: 2885280.3/45

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 184.143+/-0.028 χ^2/NDF:5637829.6/37

Out: 184.916+/-0.027 χ^2/NDF:6206860.9/42

All: 184.537+/-0.019 χ^2/NDF: 11845090.1/80



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/23

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: 40.8/45

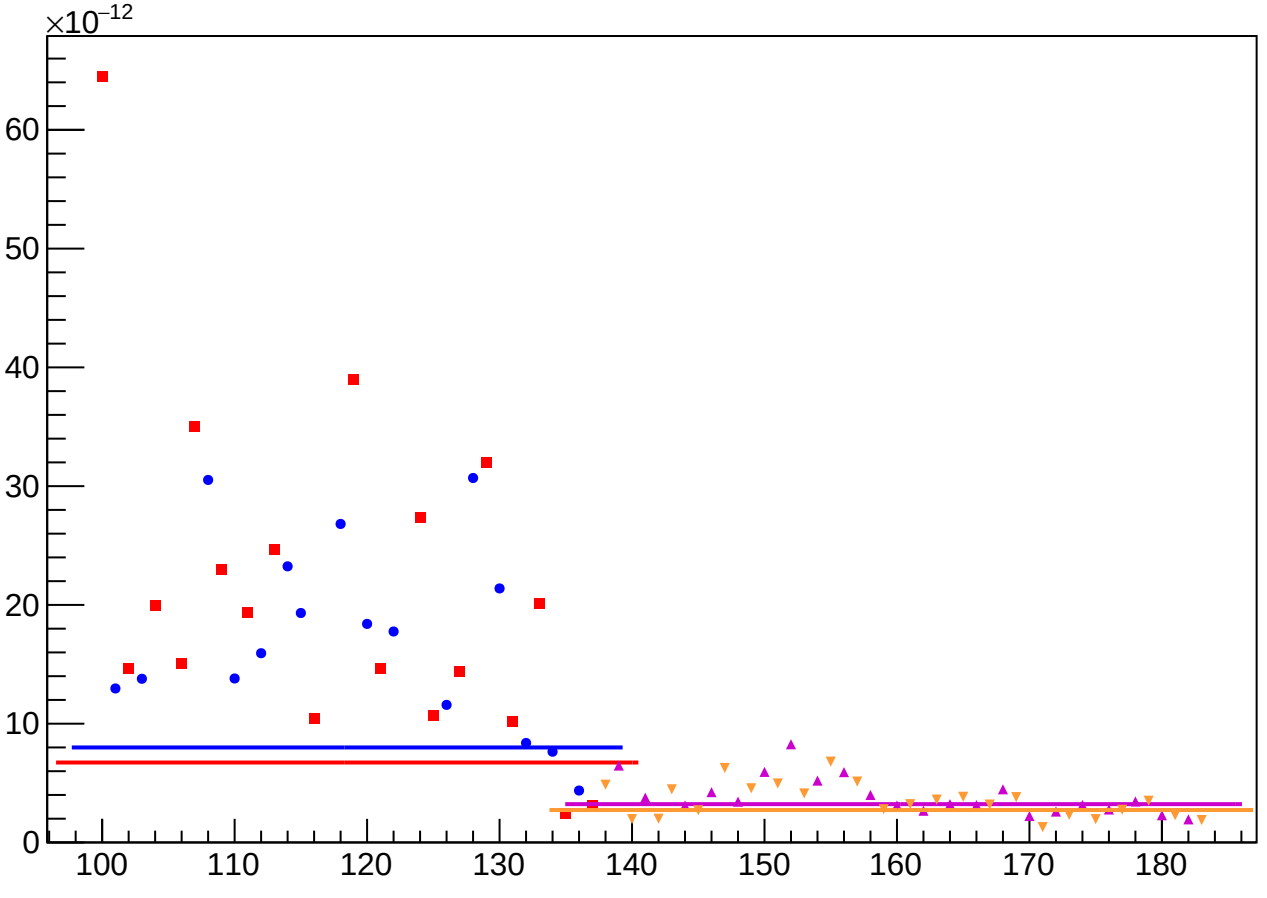
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:47.3/37

Out: 0.000+/-0.000 χ^2/NDF:41.8/42

All: 0.000+/-0.000 χ^2/NDF: 92.8/80

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:1900670.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1350225.8/21

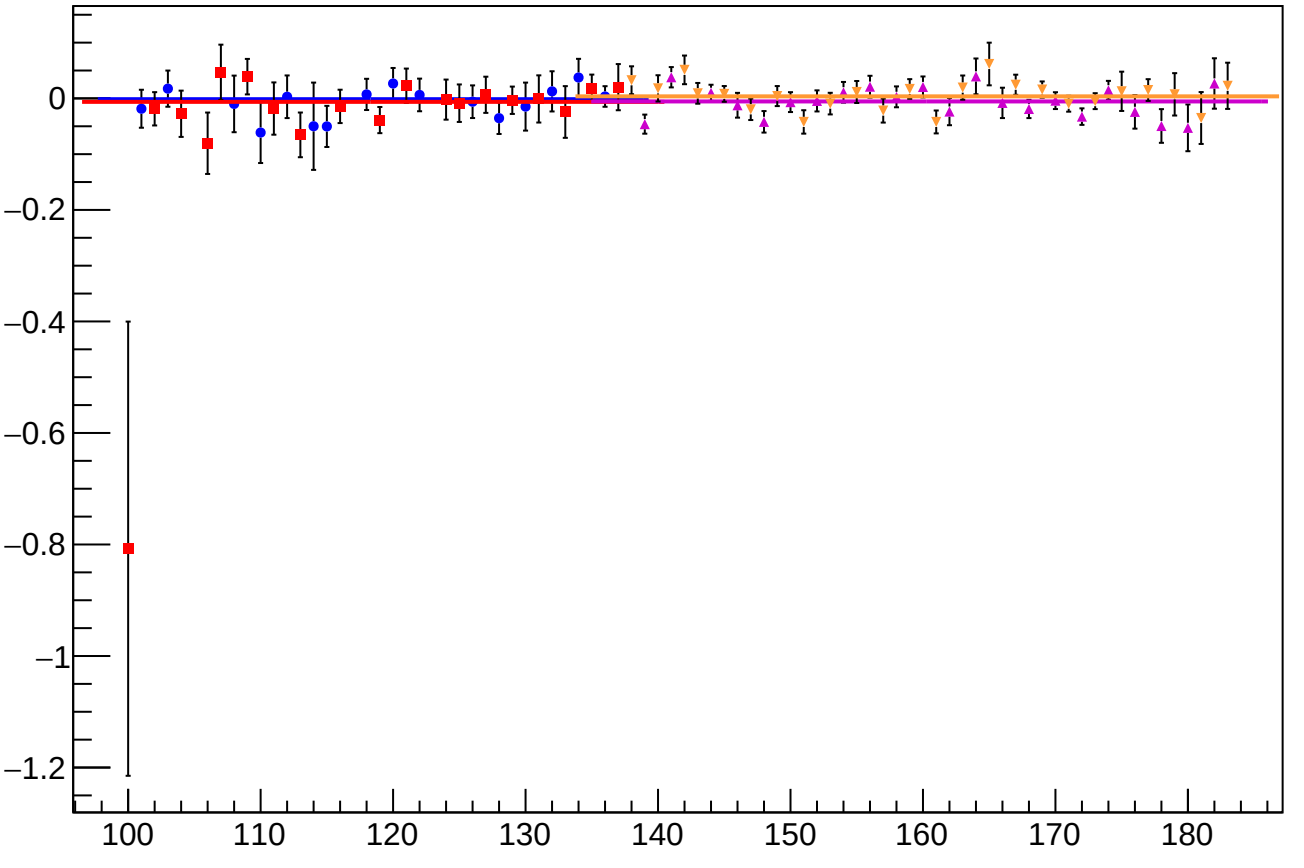
Left: 0.000+/-0.000 χ^2/NDF: 3405993.4/45

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:6272817.1/42

All: 0.000+/-0.000 χ^2/NDF: 11128667.8/80



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:26.5/23

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.004 χ^2/NDF:33.2/21

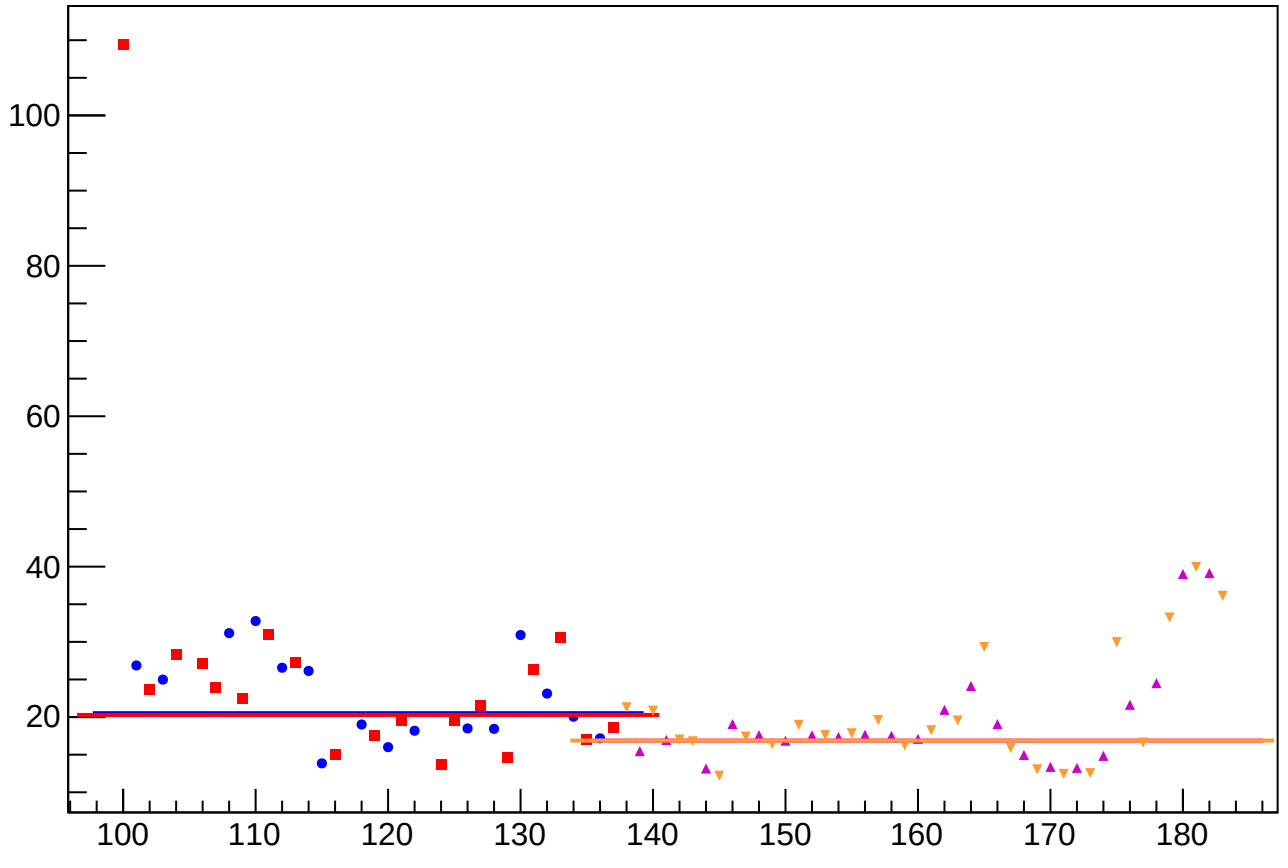
Left: -0.001+/-0.003 χ^2/NDF: 62.1/45

Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.7/37

Out: 0.002+/-0.004 χ^2/NDF:44.0/42

All: -0.001+/-0.003 χ^2/NDF: 87.1/80



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.877+/-0.003 χ^2/NDF:2746850.1/23

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.871+/-0.003 χ^2/NDF:1854609.2/21

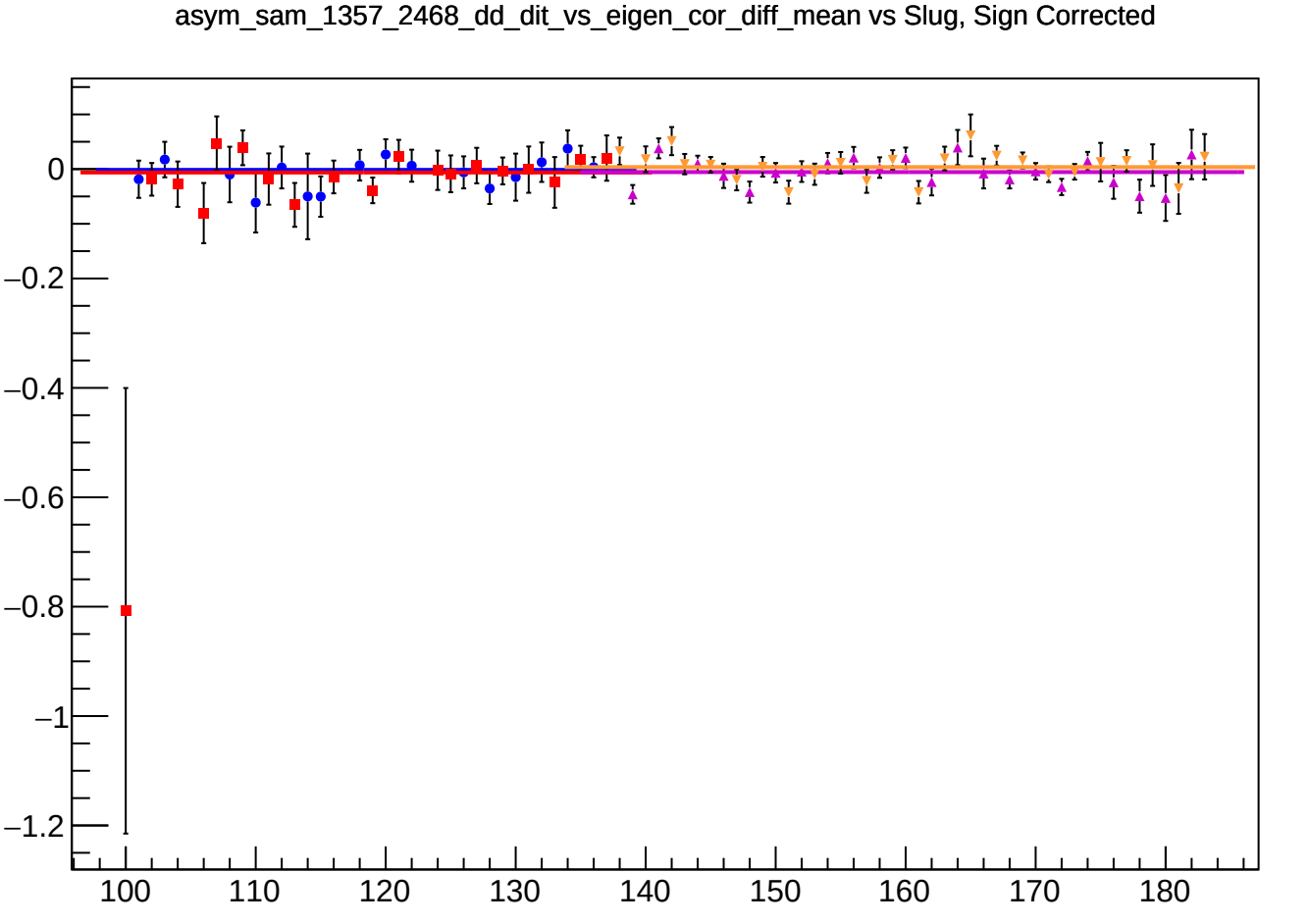
Left: 16.874+/-0.002 χ^2/NDF: 4601461.2/45

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.652+/-0.003 χ^2/NDF:2883135.7/37

Out: 17.602+/-0.003 χ^2/NDF:3904834.1/42

All: 17.626+/-0.002 χ^2/NDF: 6788155.8/80



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:26.5/23

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: 62.1/45

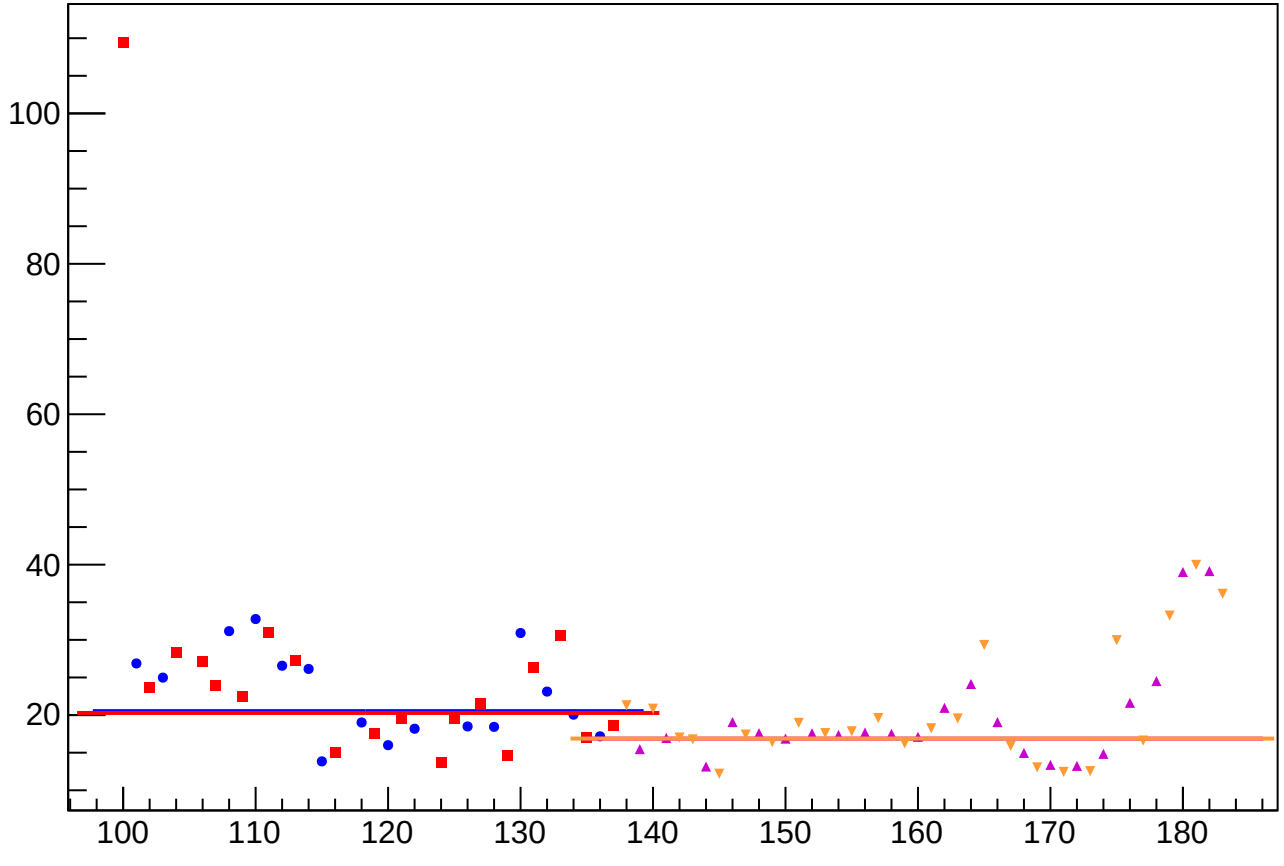
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.7/37

Out: 0.002+/-0.004 χ^2/NDF:44.0/42

All: -0.001+/-0.003 χ^2/NDF: 87.1/80

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: 16.877+/-0.003 χ^2/NDF:2746850.1/23

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.871+/-0.003 χ^2/NDF:1854609.2/21

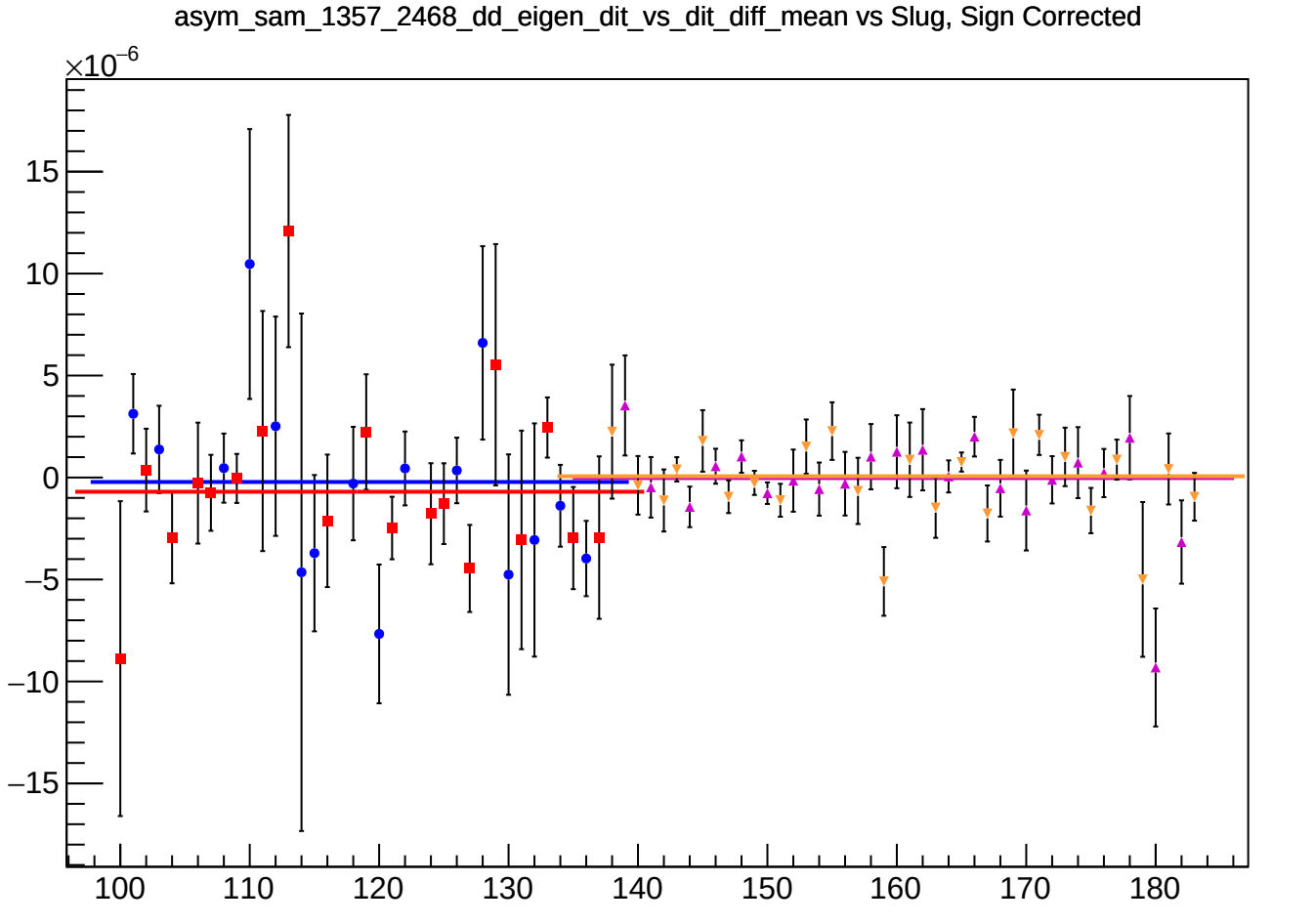
Left: 16.874+/-0.002 χ^2/NDF: 4601461.2/45

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.652+/-0.003 χ^2/NDF:2883135.7/37

Out: 17.602+/-0.003 χ^2/NDF:3904834.1/42

All: 17.626+/-0.002 χ^2/NDF: 6788155.8/80



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:29.1/21

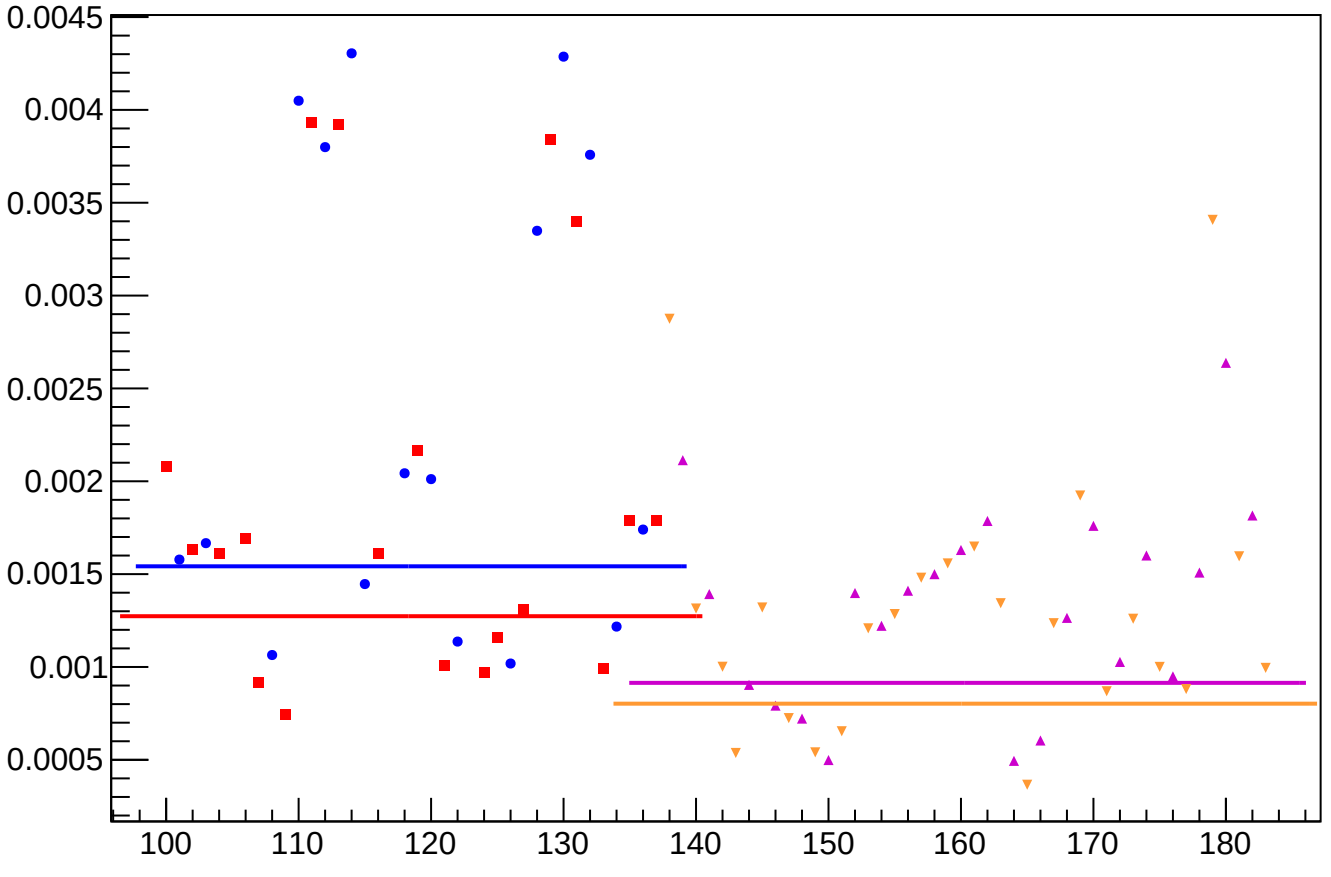
Left: 0.000+/-0.000 χ^2/NDF: 65.6/45

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:59.3/42

All: -0.000+/-0.000 χ^2/NDF: 108.3/80



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:8252990.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:6444805.8/21

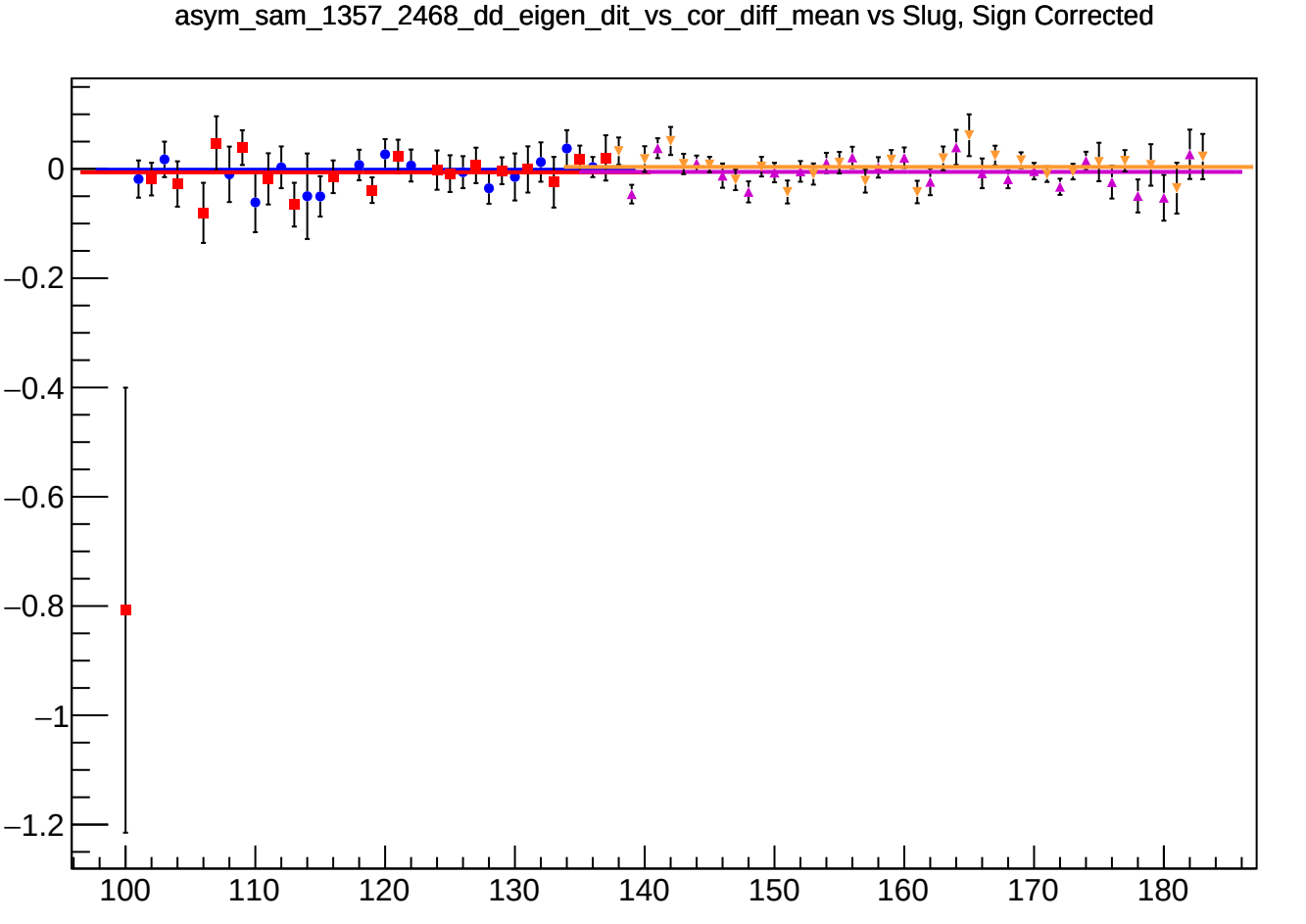
Left: 0.001+/-0.000 χ^2/NDF: 14936494.9/45

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:12311289.5/42

All: 0.001+/-0.000 χ^2/NDF: 23262052.4/80



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:26.5/23

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: 62.1/45

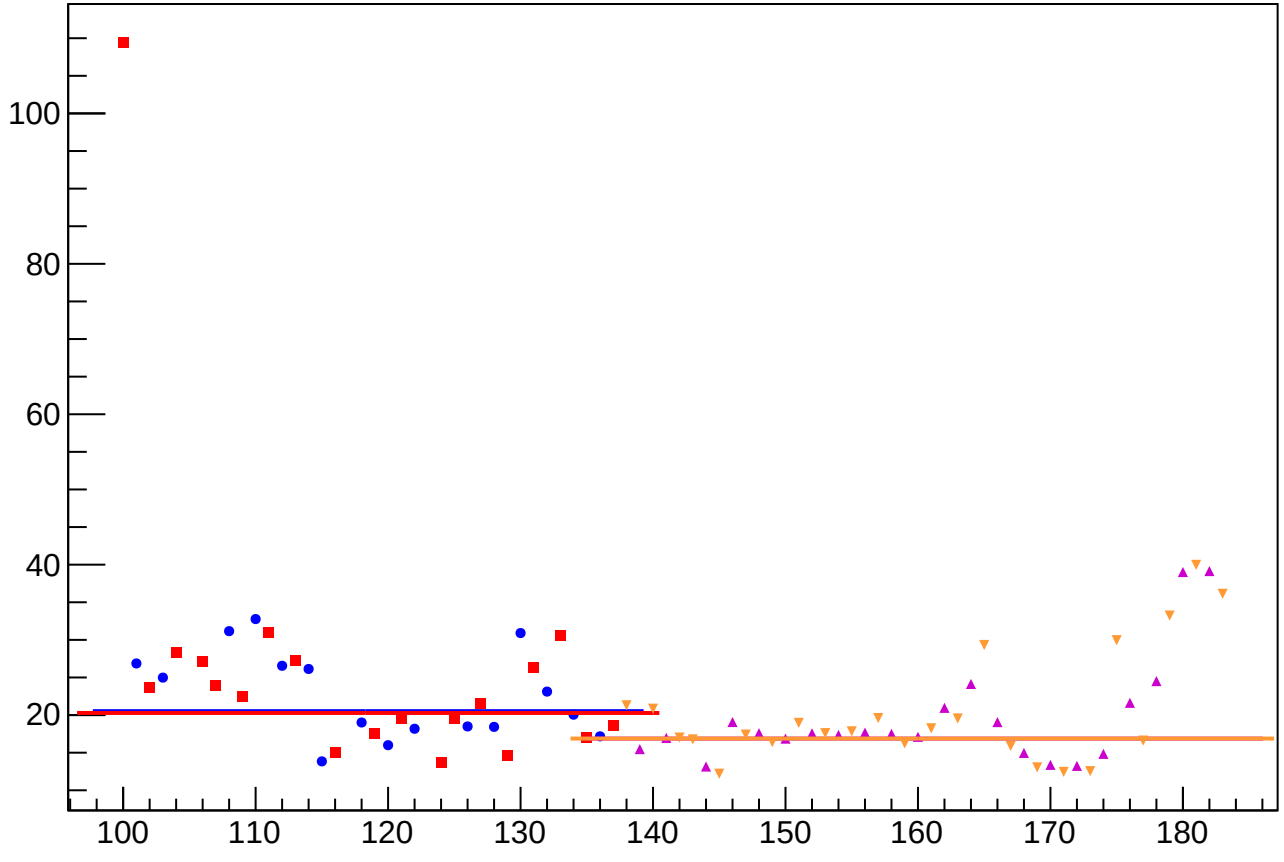
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.7/37

Out: 0.002+/-0.004 χ^2/NDF:44.0/42

All: -0.001+/-0.003 χ^2/NDF: 87.0/80

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: 16.877+/-0.003 χ^2/NDF:2746838.1/23

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: 16.874+/-0.002 χ^2/NDF: 4601438.3/45

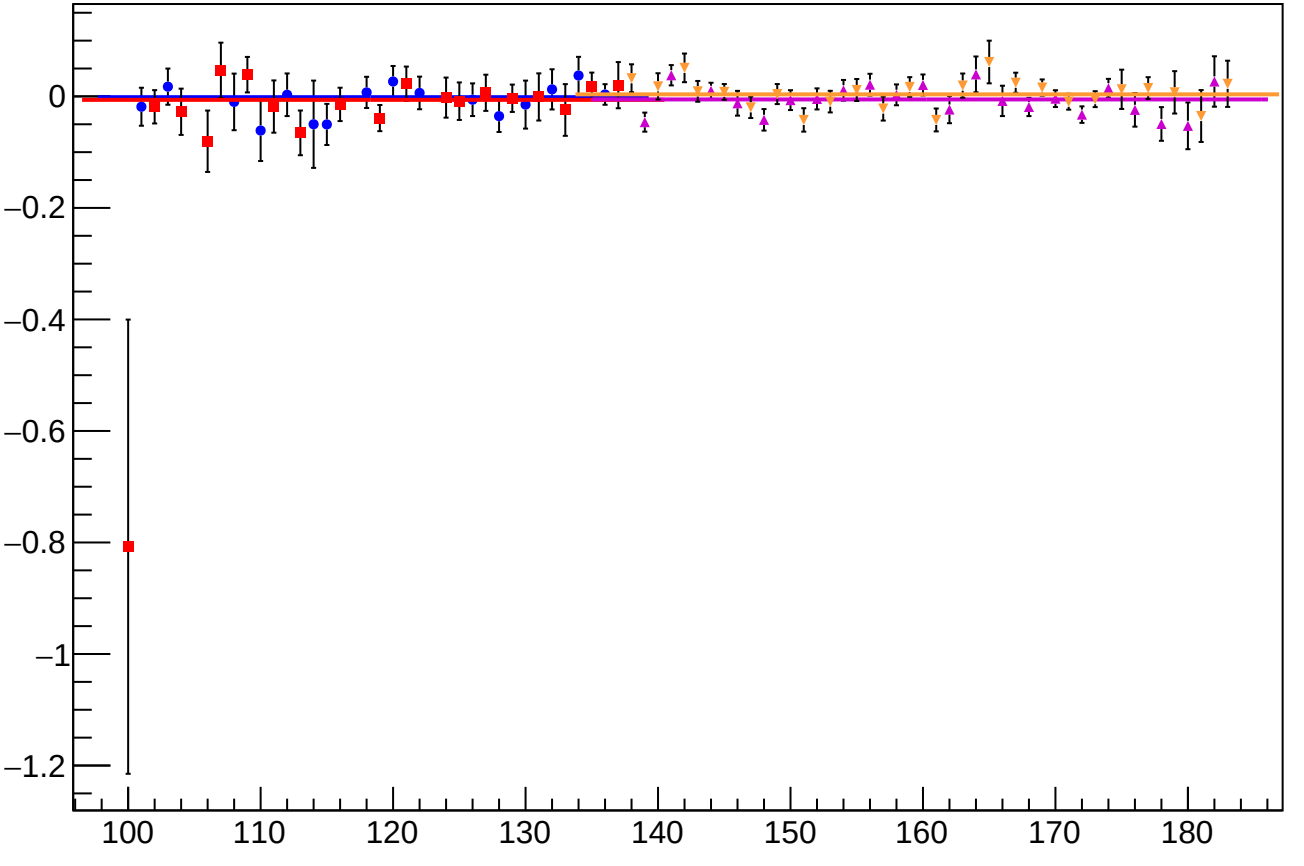
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.652+/-0.003 χ^2/NDF:2882894.0/37

Out: 17.602+/-0.003 χ^2/NDF:3904689.1/42

All: 17.626+/-0.002 χ^2/NDF: 6787768.8/80

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: 0.004+/-0.004 χ^2/NDF:26.5/23

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: 62.1/45

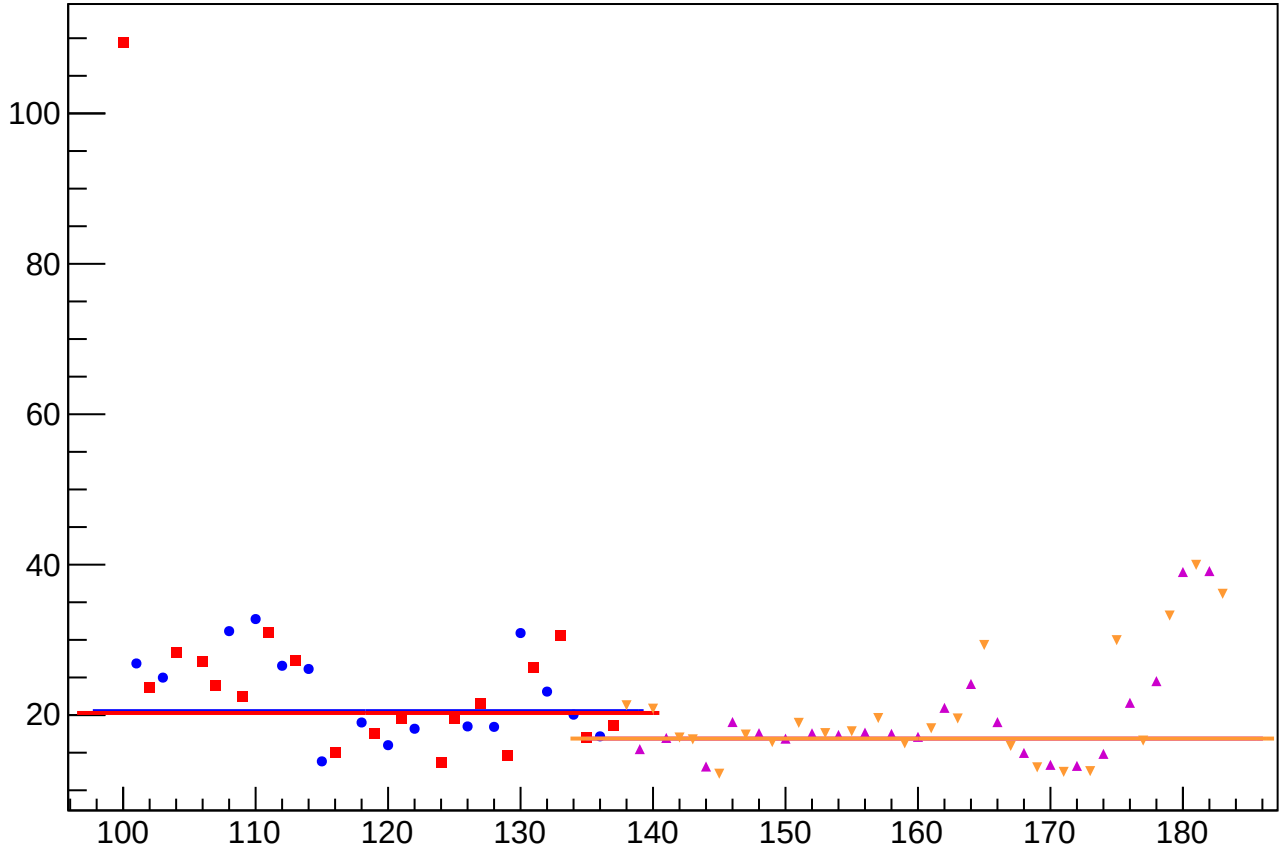
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.7/37

Out: 0.002+/-0.004 χ^2/NDF:44.0/42

All: -0.001+/-0.003 χ^2/NDF: 87.0/80

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: 16.877+/-0.003 χ^2/NDF:2746838.1/23

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.871+/-0.003 χ^2/NDF:1854598.2/21

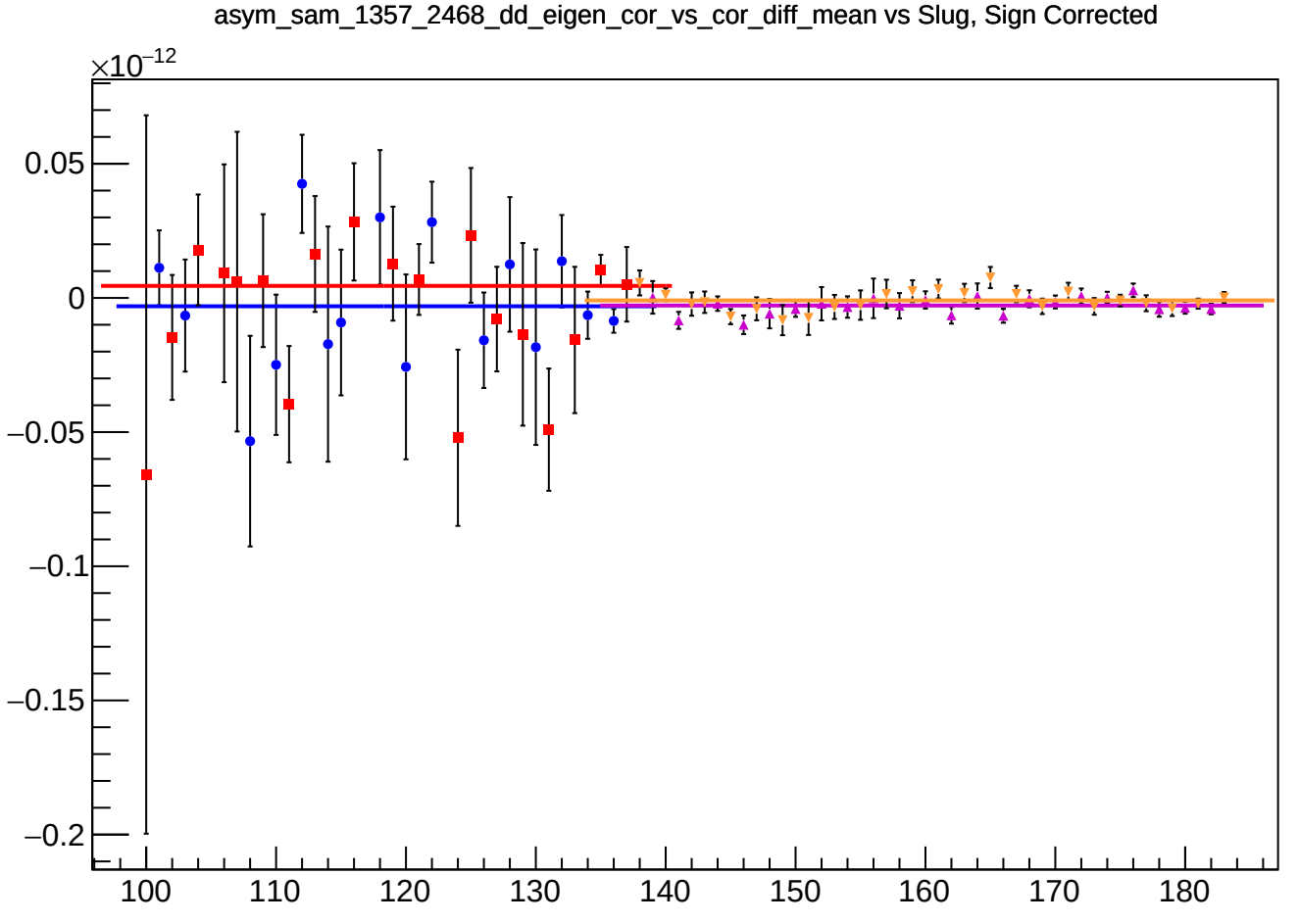
Left: 16.874+/-0.002 χ^2/NDF: 4601438.3/45

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.652+/-0.003 χ^2/NDF:2882894.0/37

Out: 17.602+/-0.003 χ^2/NDF:3904689.1/42

All: 17.626+/-0.002 χ^2/NDF: 6787768.8/80



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.4/23

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: 50.6/45

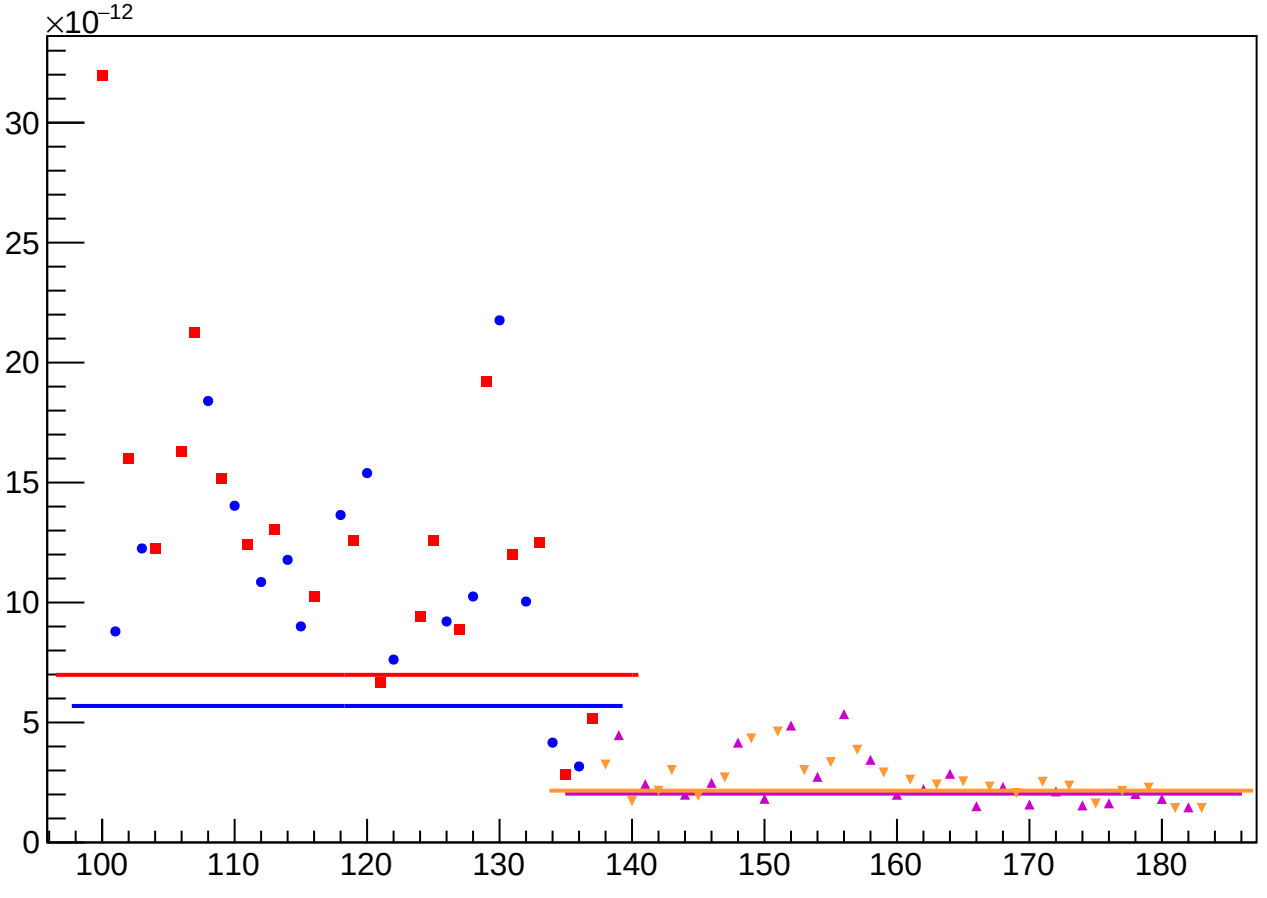
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:42.9/37

Out: -0.000+/-0.000 χ^2/NDF:43.9/42

All: -0.000+/-0.000 χ^2/NDF: 92.0/80

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:2147757.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2340391.3/21

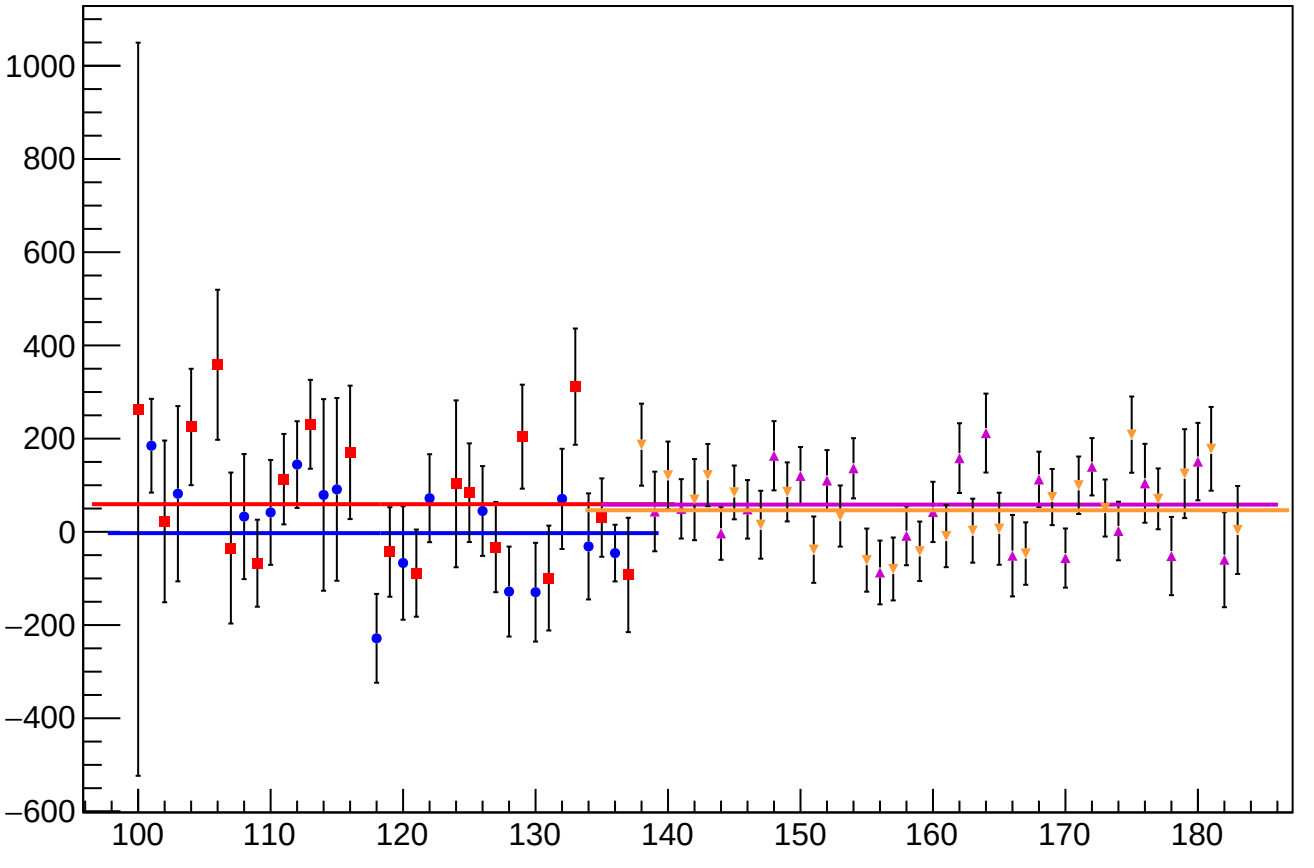
Left: 0.000+/-0.000 χ^2/NDF: 4525147.6/45

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:8289437.0/42

All: 0.000+/-0.000 χ^2/NDF: 15792565.2/80



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 46.306+/-14.302 χ^2/NDF:26.7/23

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 58.450+/-14.768 χ^2/NDF:29.9/21

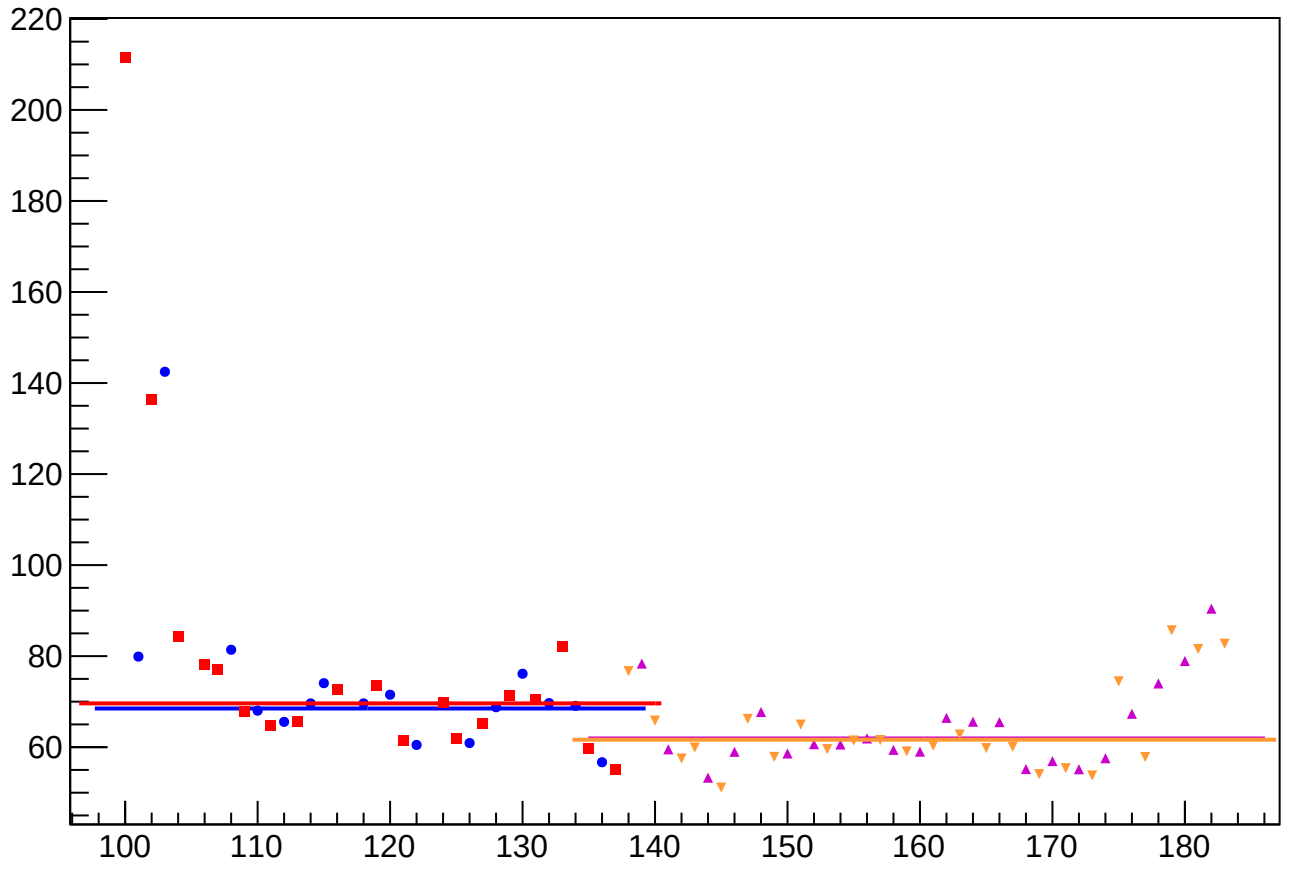
Left: 52.183+/-10.274 χ^2/NDF: 56.9/45

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 43.701+/-12.867 χ^2/NDF:51.7/37

Out: 49.268+/-12.573 χ^2/NDF:52.6/42

All: 46.549+/-8.993 χ^2/NDF: 104.4/80



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.644+/-0.010 χ^2/NDF:631995.9/23

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: 61.774+/-0.007 χ^2/NDF: 1162162.8/45

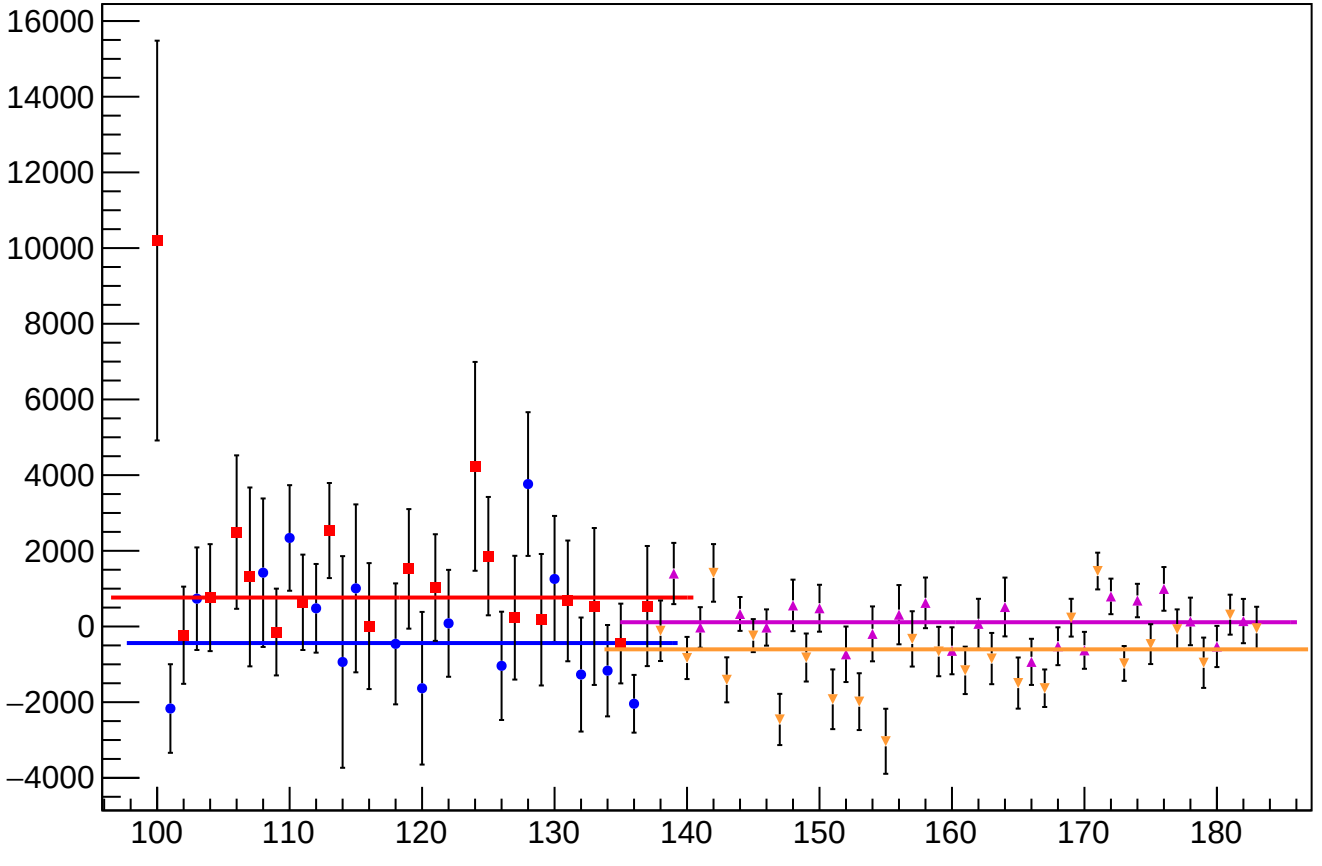
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 63.499+/-0.009 χ^2/NDF:1097530.9/37

Out: 63.456+/-0.009 χ^2/NDF:1293660.0/42

All: 63.477+/-0.006 χ^2/NDF: 2391202.6/80

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: -603.547+/-120.951 χ^2/NDF:66.0/23

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: -252.656+/-86.390 χ^2/NDF: 105.2/45

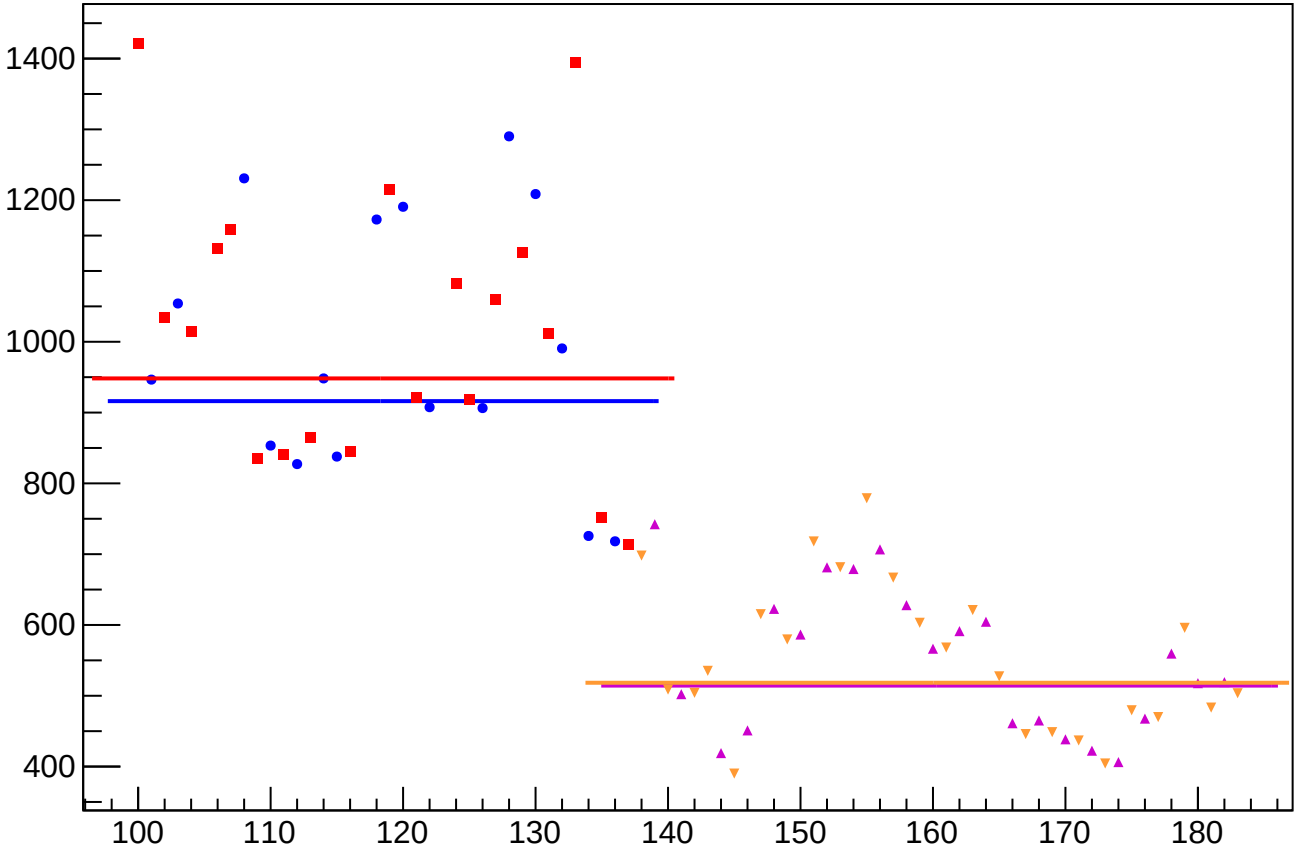
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 51.583+/-116.367 χ^2/NDF:44.8/37

Out: -459.761+/-114.423 χ^2/NDF:90.7/42

All: -208.397+/-81.588 χ^2/NDF: 145.3/80

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: 518.385+/-0.086 χ^2/NDF:1244230.9/23

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 514.375+/-0.087 χ^2/NDF:1119012.6/21

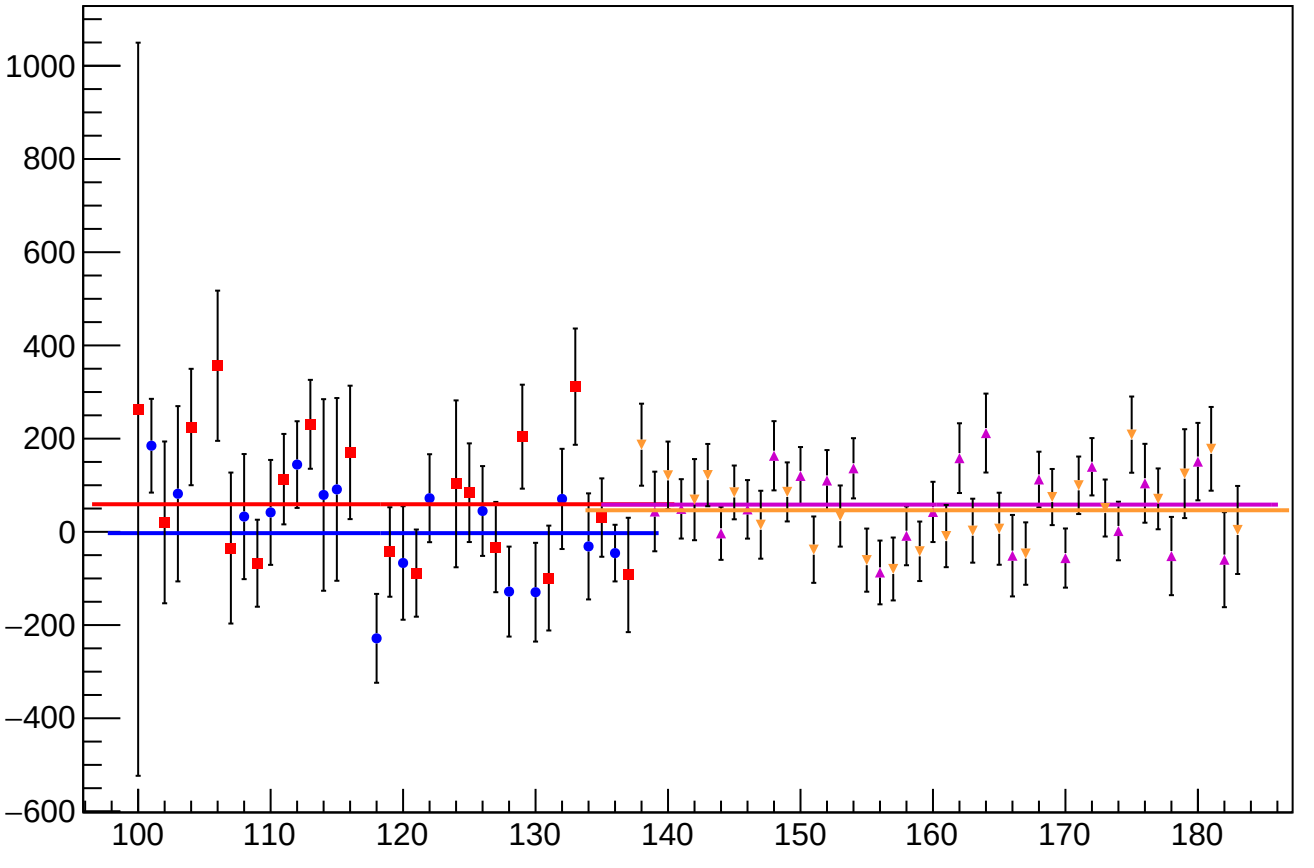
Left: 516.421+/-0.061 χ^2/NDF: 2364320.4/45

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 559.075+/-0.082 χ^2/NDF:3985728.0/37

Out: 563.536+/-0.081 χ^2/NDF:4312756.3/42

All: 561.343+/-0.058 χ^2/NDF: 8299978.1/80



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 46.310+/-14.302 χ^2/NDF:26.7/23

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 58.450+/-14.768 χ^2/NDF:29.9/21

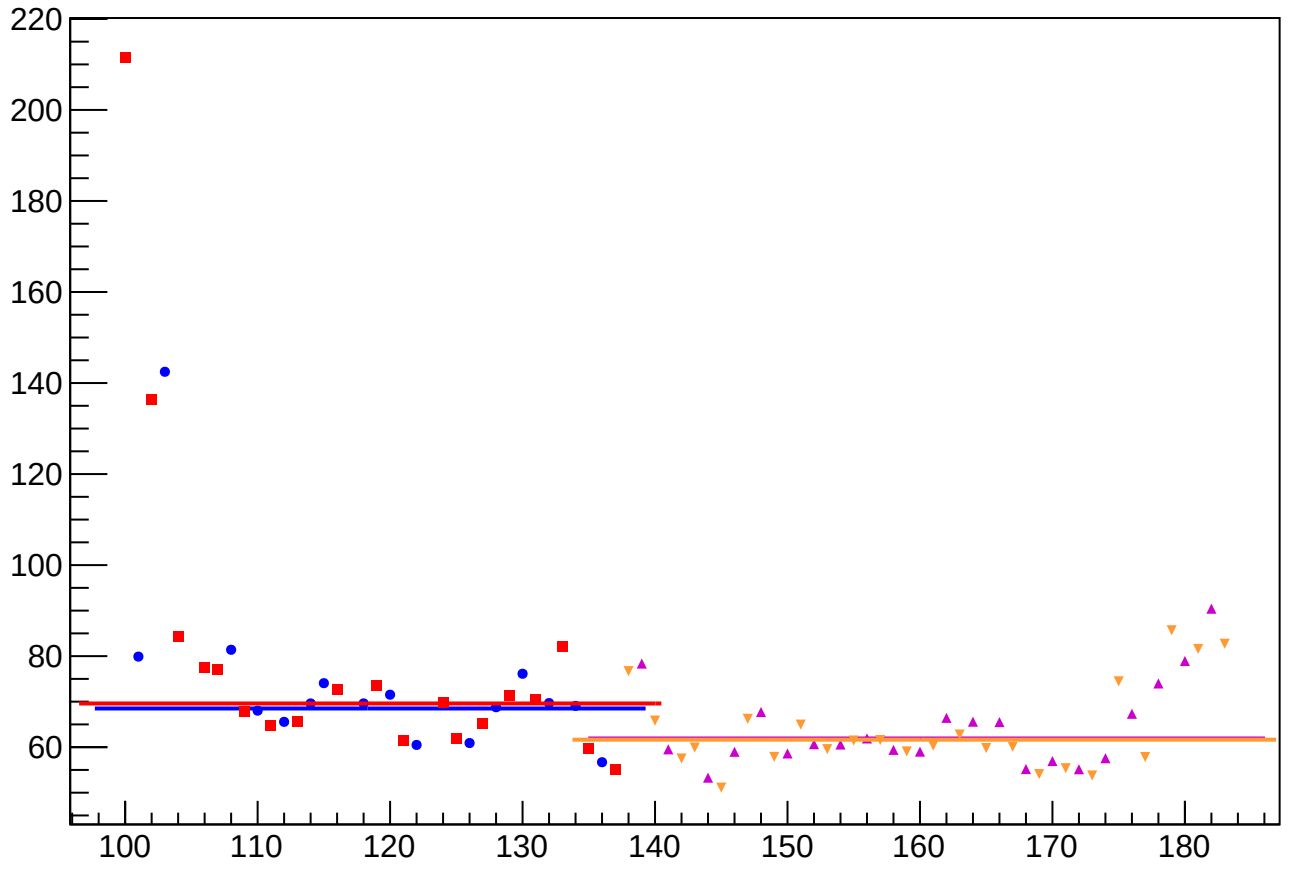
Left: 52.185+/-10.274 χ^2/NDF: 56.9/45

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 43.699+/-12.867 χ^2/NDF:51.7/37

Out: 49.243+/-12.573 χ^2/NDF:52.5/42

All: 46.535+/-8.993 χ^2/NDF: 104.3/80



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.644+/-0.010 χ^2/NDF:631996.0/23

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: 61.774+/-0.007 χ^2/NDF: 1162162.9/45

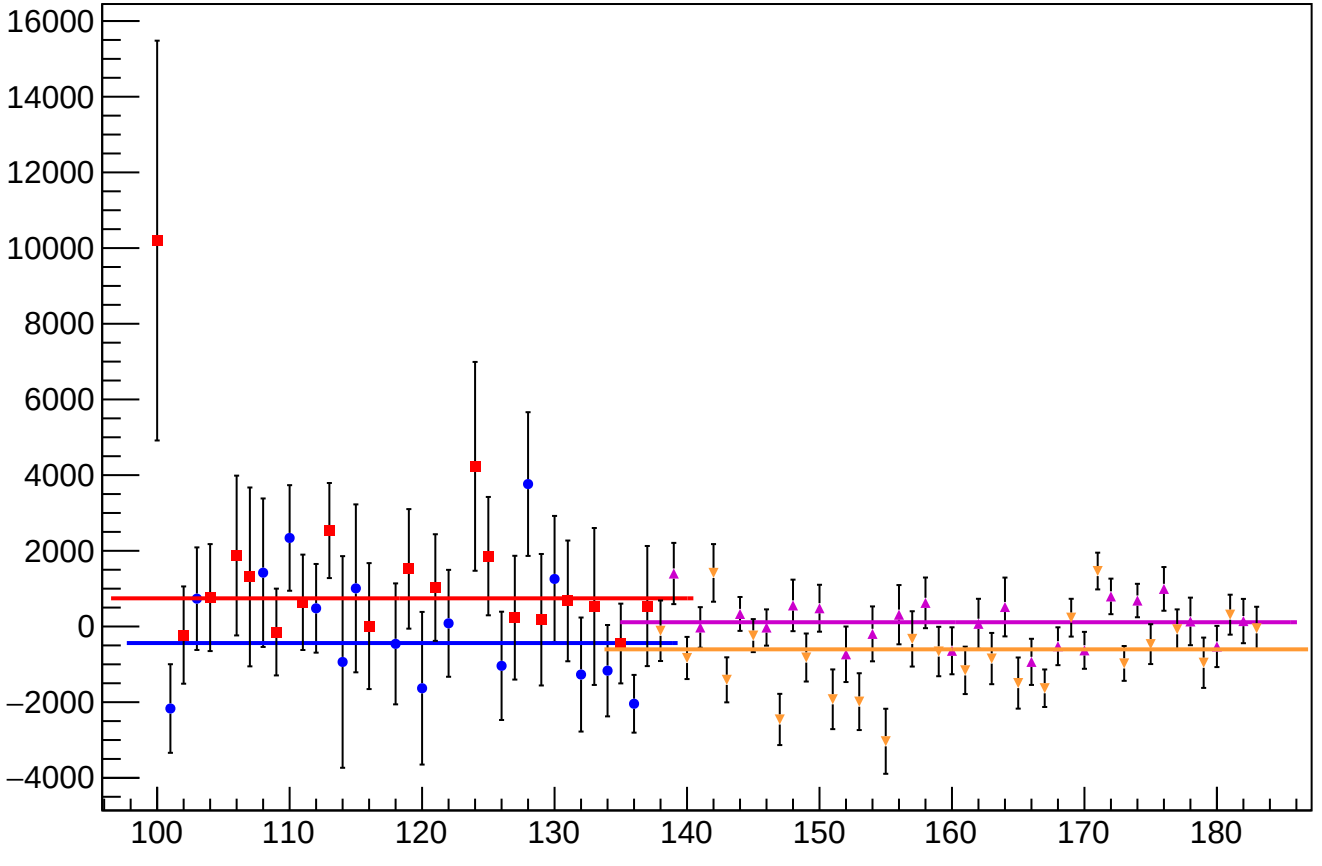
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.499+/-0.009 χ^2/NDF:1097533.9/37

Out: 63.451+/-0.009 χ^2/NDF:1292355.0/42

All: 63.475+/-0.006 χ^2/NDF: 2389903.1/80

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: -603.542+/-120.951 χ^2/NDF:66.0/23

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: -252.653+/-86.390 χ^2/NDF: 105.2/45

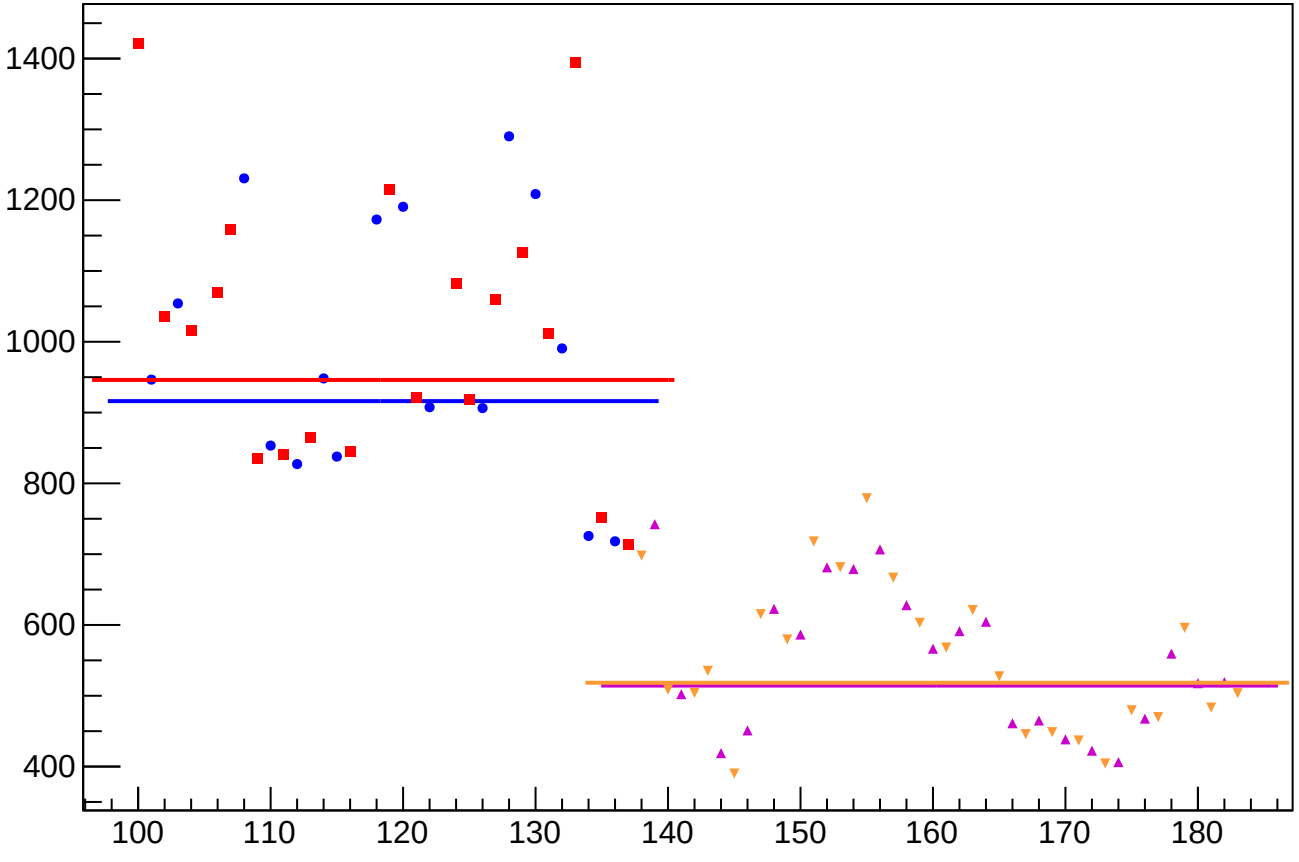
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 51.587+/-116.367 χ^2/NDF:44.8/37

Out: -462.270+/-114.438 χ^2/NDF:89.8/42

All: -209.637+/-81.593 χ^2/NDF: 144.5/80

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: 518.385+/-0.086 χ^2/NDF:1244234.4/23

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 514.375+/-0.087 χ^2/NDF:1119011.4/21

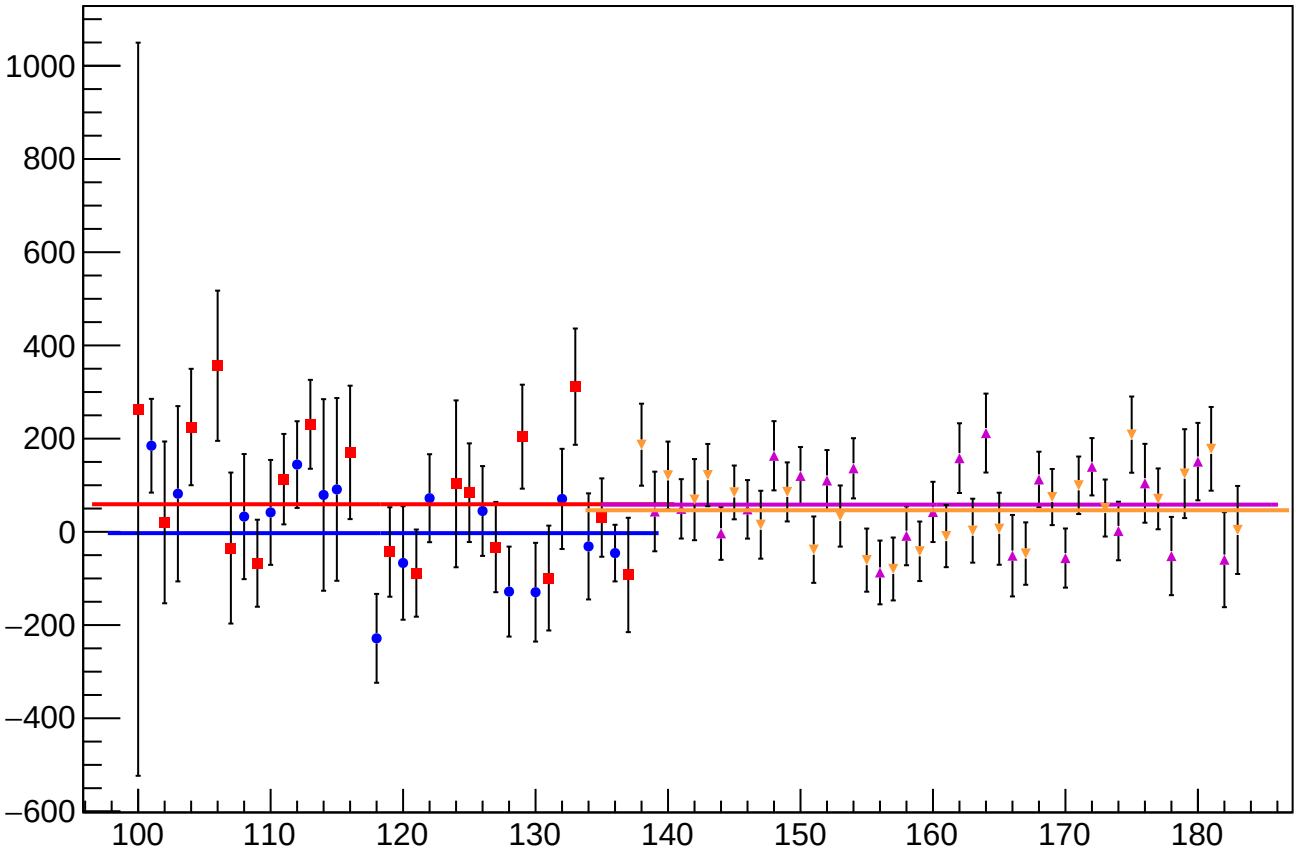
Left: 516.420+/-0.061 χ^2/NDF: 2364322.5/45

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 559.076+/-0.082 χ^2/NDF:3985770.3/37

Out: 563.211+/-0.081 χ^2/NDF:4270798.3/42

All: 561.178+/-0.058 χ^2/NDF: 8257852.8/80



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 46.310+/-14.302 χ^2/NDF:26.7/23

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 58.450+/-14.768 χ^2/NDF:29.9/21

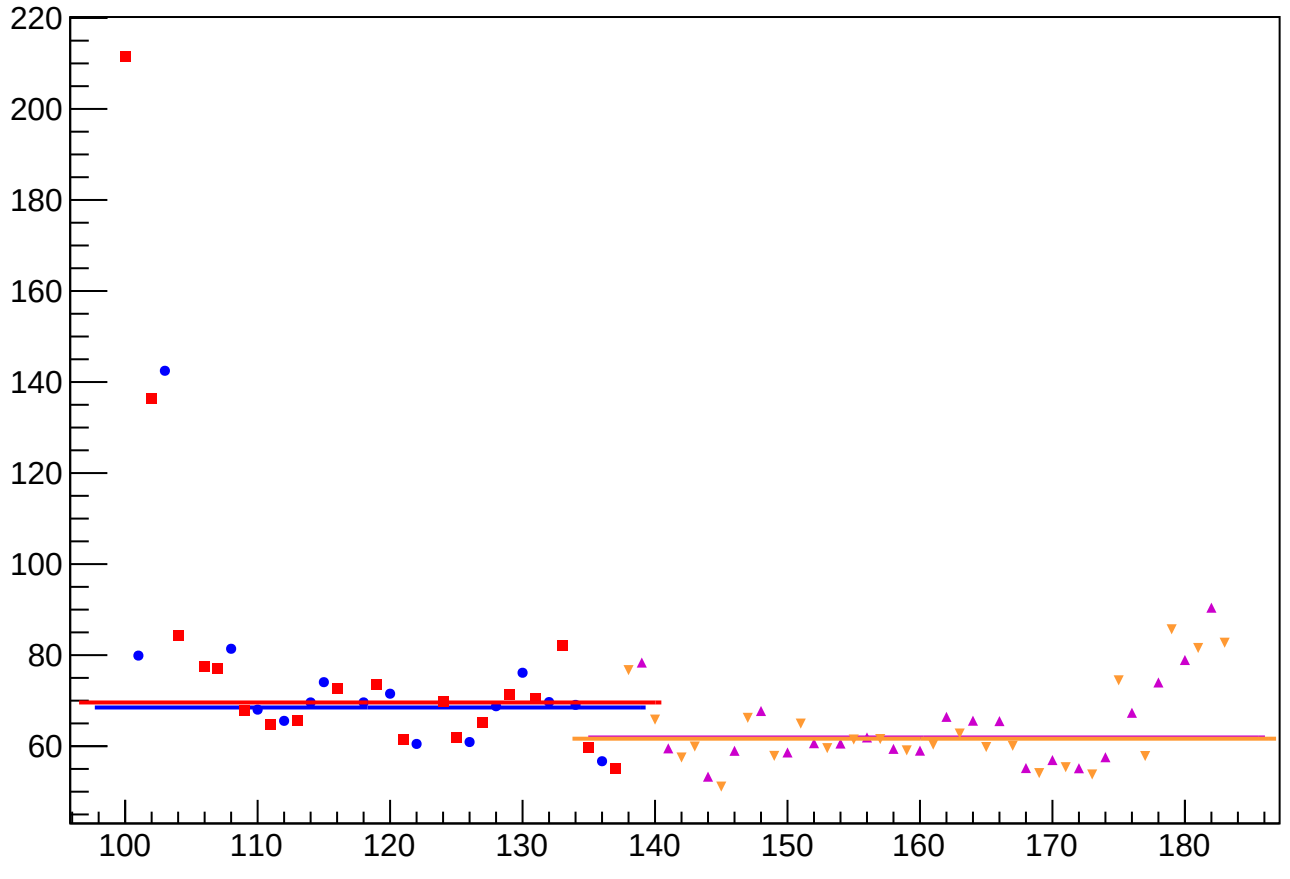
Left: 52.185+/-10.274 χ^2/NDF: 56.9/45

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 43.699+/-12.867 χ^2/NDF:51.7/37

Out: 49.243+/-12.573 χ^2/NDF:52.5/42

All: 46.535+/-8.993 χ^2/NDF: 104.3/80



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.644+/-0.010 χ^2/NDF:631996.0/23

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: 61.774+/-0.007 χ^2/NDF: 1162162.9/45

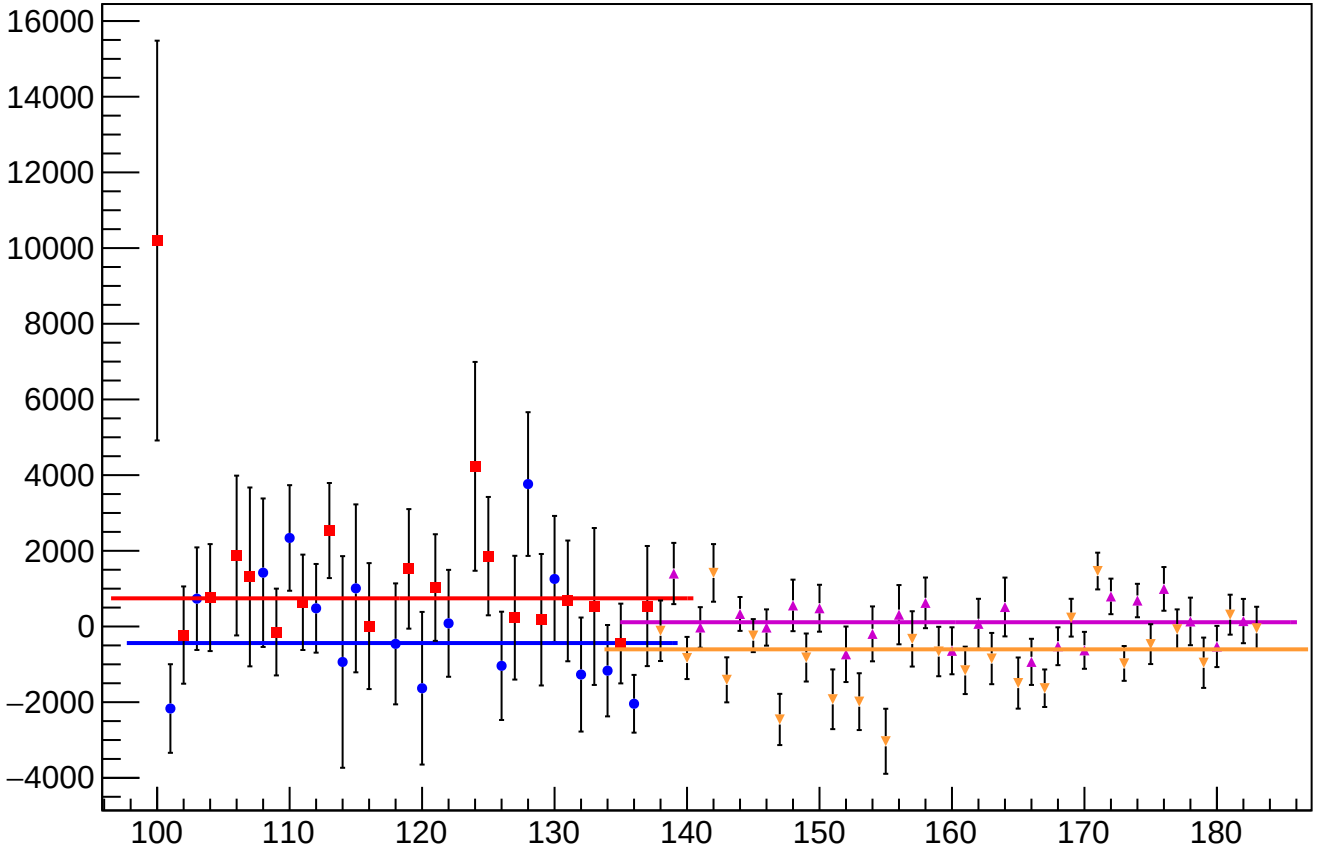
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.499+/-0.009 χ^2/NDF:1097533.9/37

Out: 63.451+/-0.009 χ^2/NDF:1292355.0/42

All: 63.475+/-0.006 χ^2/NDF: 2389903.1/80

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: -603.542+/-120.951 χ^2/NDF:66.0/23

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: -252.653+/-86.390 χ^2/NDF: 105.2/45

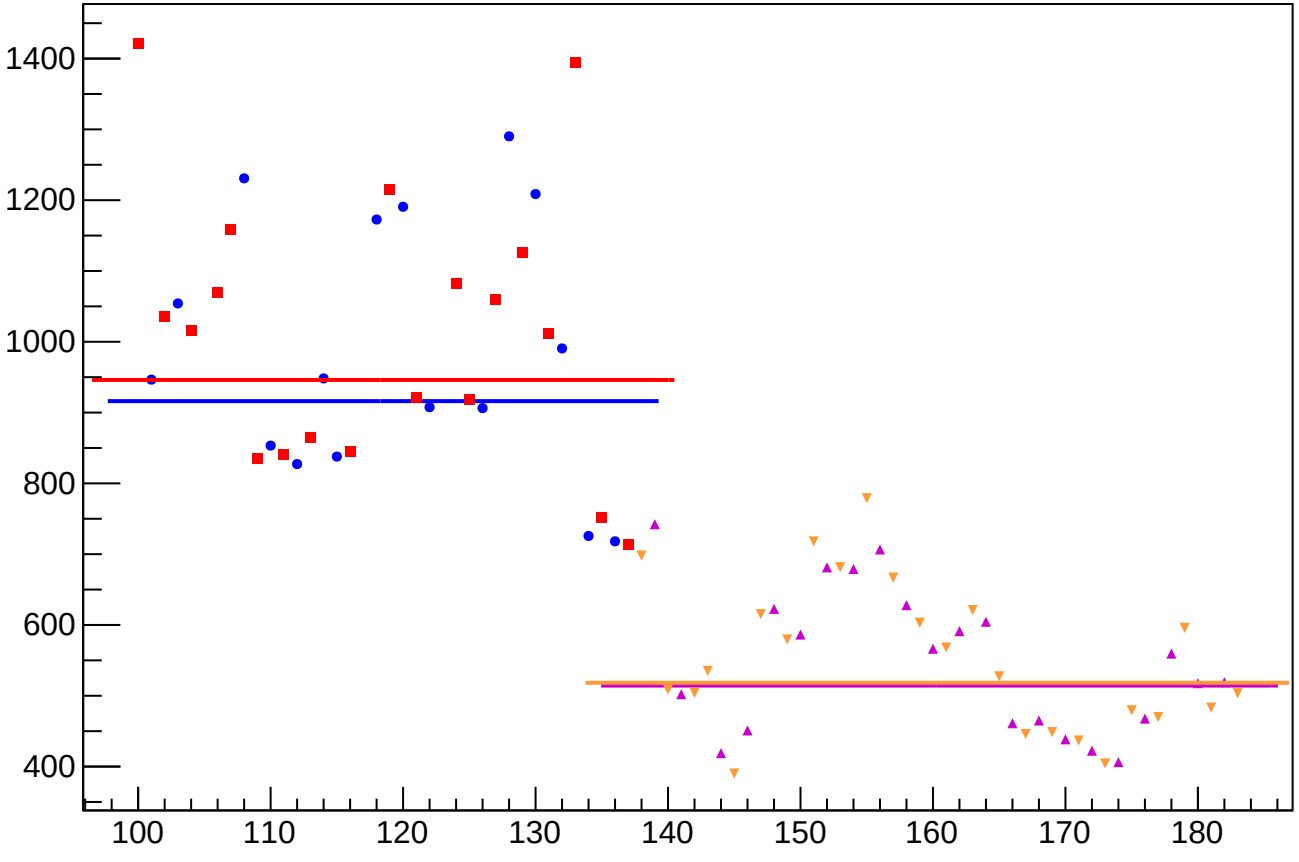
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 51.587+/-116.367 χ^2/NDF:44.8/37

Out: -462.270+/-114.438 χ^2/NDF:89.8/42

All: -209.637+/-81.593 χ^2/NDF: 144.5/80

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: 518.385+/-0.086 χ^2/NDF:1244234.4/23

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 514.375+/-0.087 χ^2/NDF:1119011.4/21

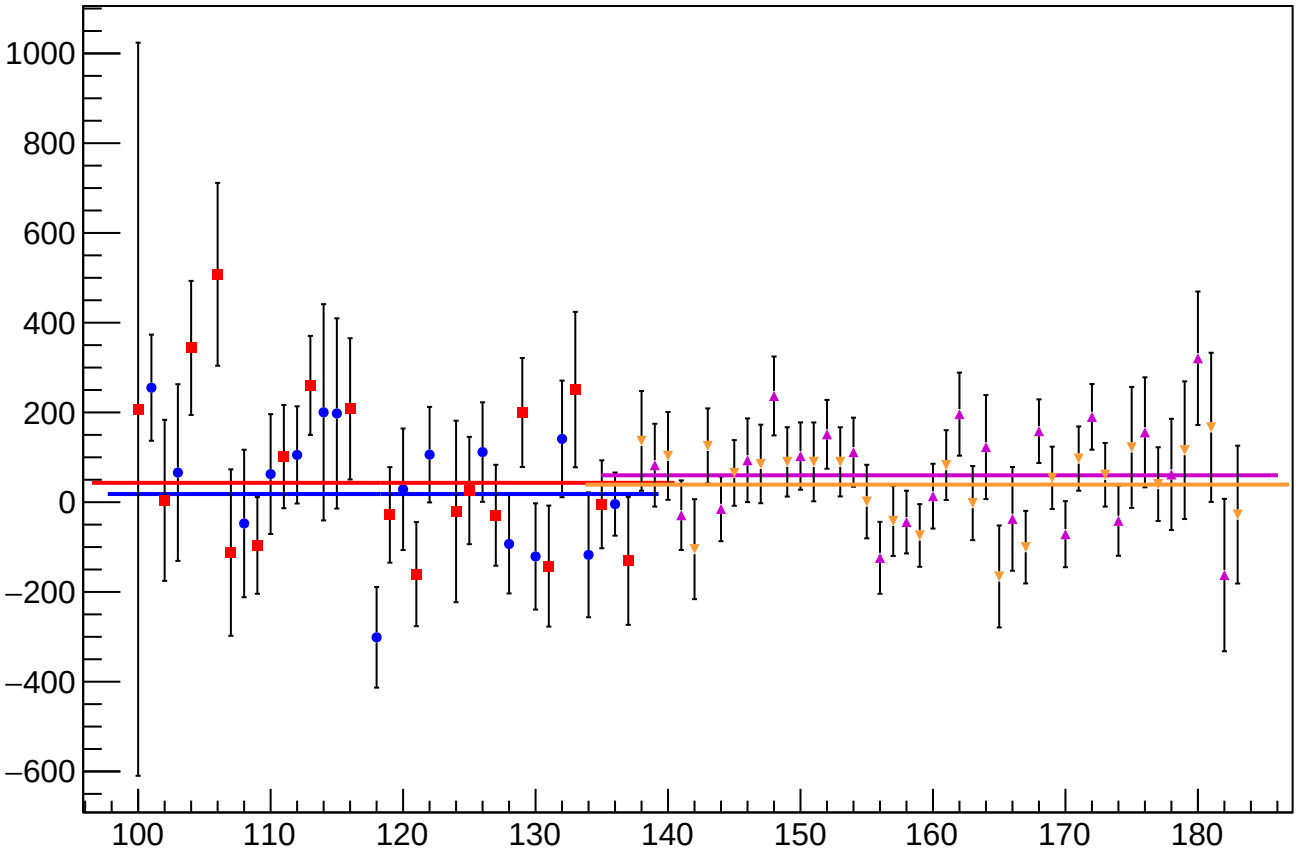
Left: 516.420+/-0.061 χ^2/NDF: 2364322.5/45

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 559.076+/-0.082 χ^2/NDF:3985770.3/37

Out: 563.211+/-0.081 χ^2/NDF:4270798.3/42

All: 561.178+/-0.058 χ^2/NDF: 8257852.8/80



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 39.211+/-17.737 χ^2/NDF:18.4/23

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 59.950+/-18.250 χ^2/NDF:35.3/21

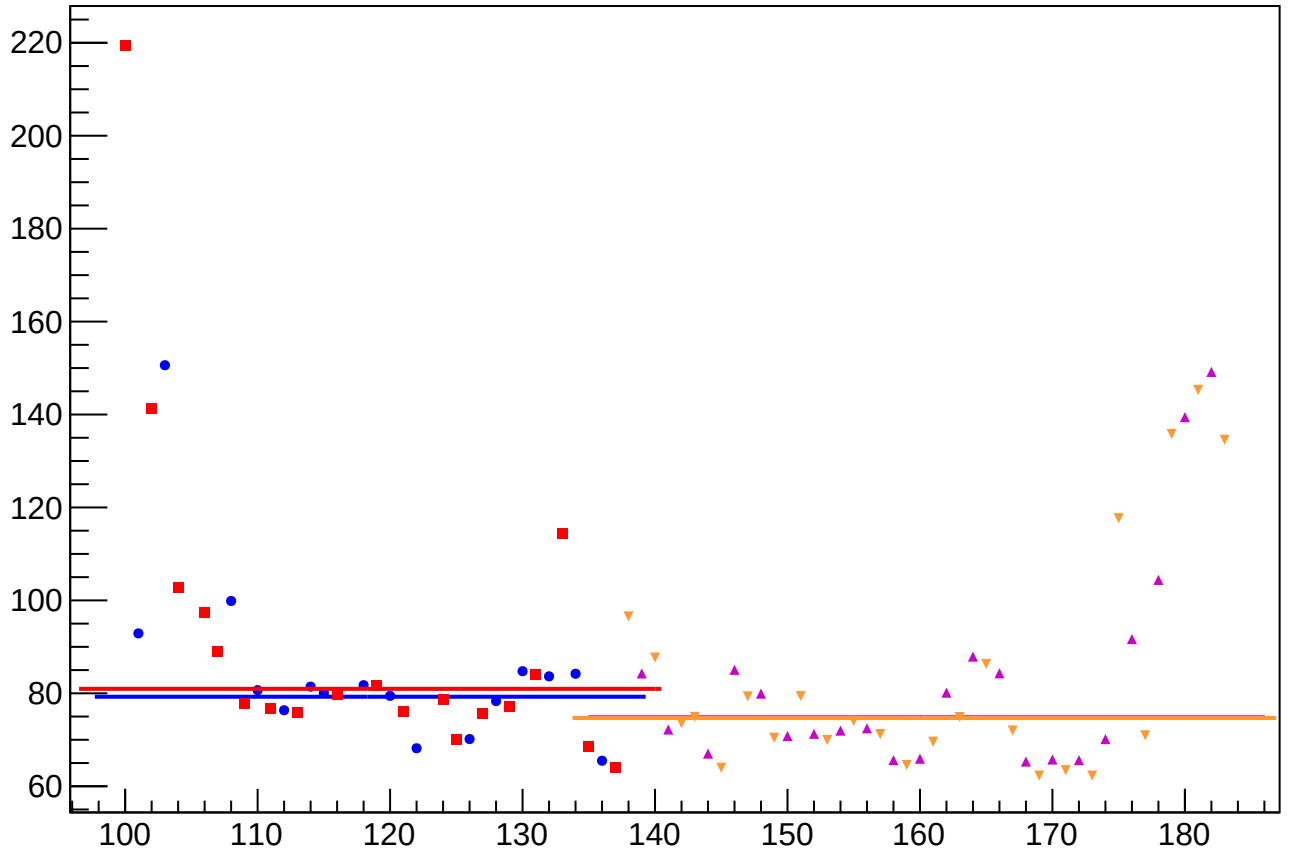
Left: 49.285+/-12.719 χ^2/NDF: 54.4/45

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 48.854+/-15.640 χ^2/NDF:56.8/37

Out: 40.196+/-15.359 χ^2/NDF:46.2/42

All: 44.447+/-10.958 χ^2/NDF: 103.1/80



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 74.687+/-0.013 χ^2/NDF:1622631.5/23

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: 74.763+/-0.009 χ^2/NDF: 2843392.3/45

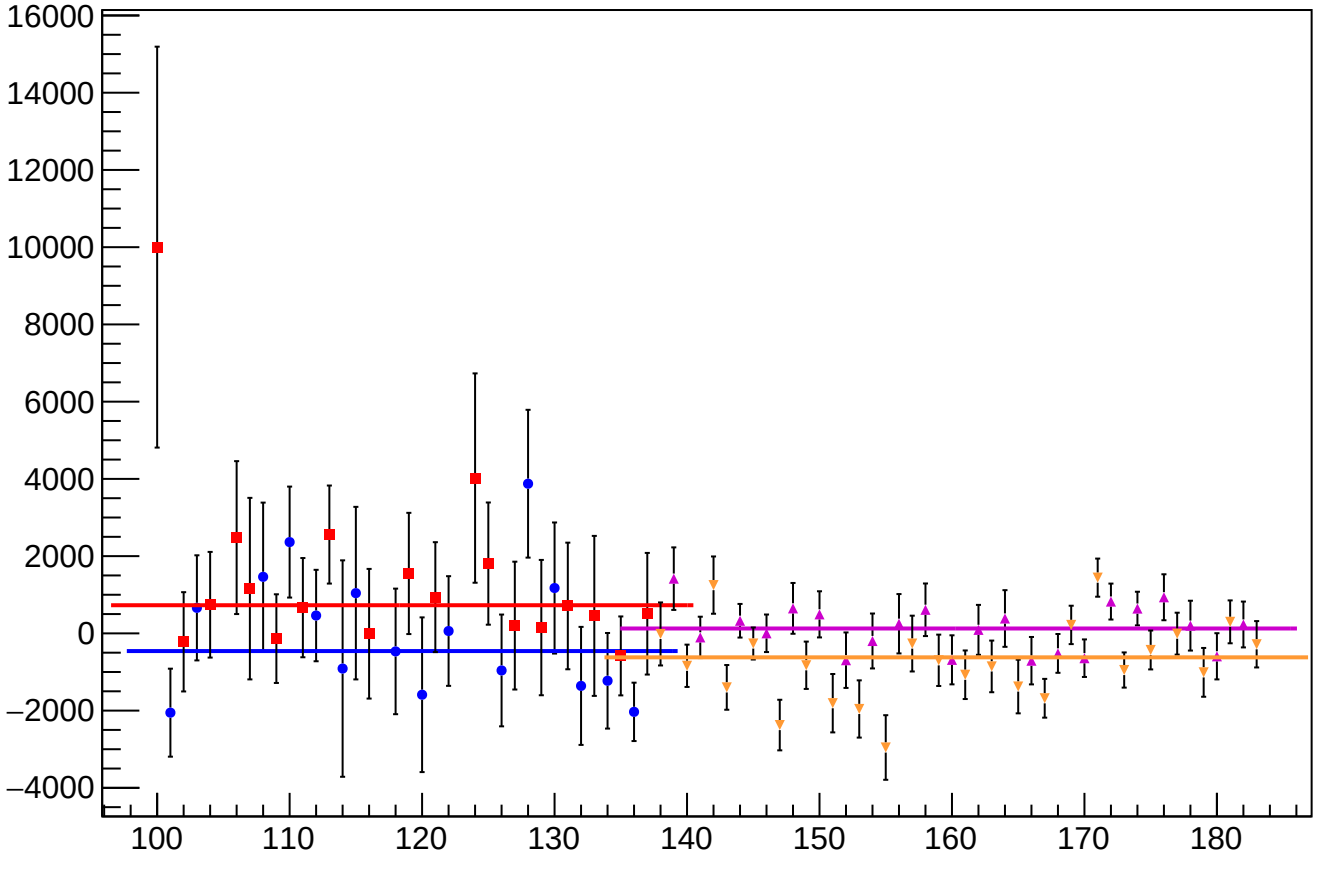
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 76.017+/-0.011 χ^2/NDF:1696794.2/37

Out: 76.256+/-0.011 χ^2/NDF:2199369.8/42

All: 76.139+/-0.008 χ^2/NDF: 3896401.0/80

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: -620.757+/-120.161 χ^2/NDF:62.6/23

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: -256.999+/-86.072 χ^2/NDF: 102.3/45

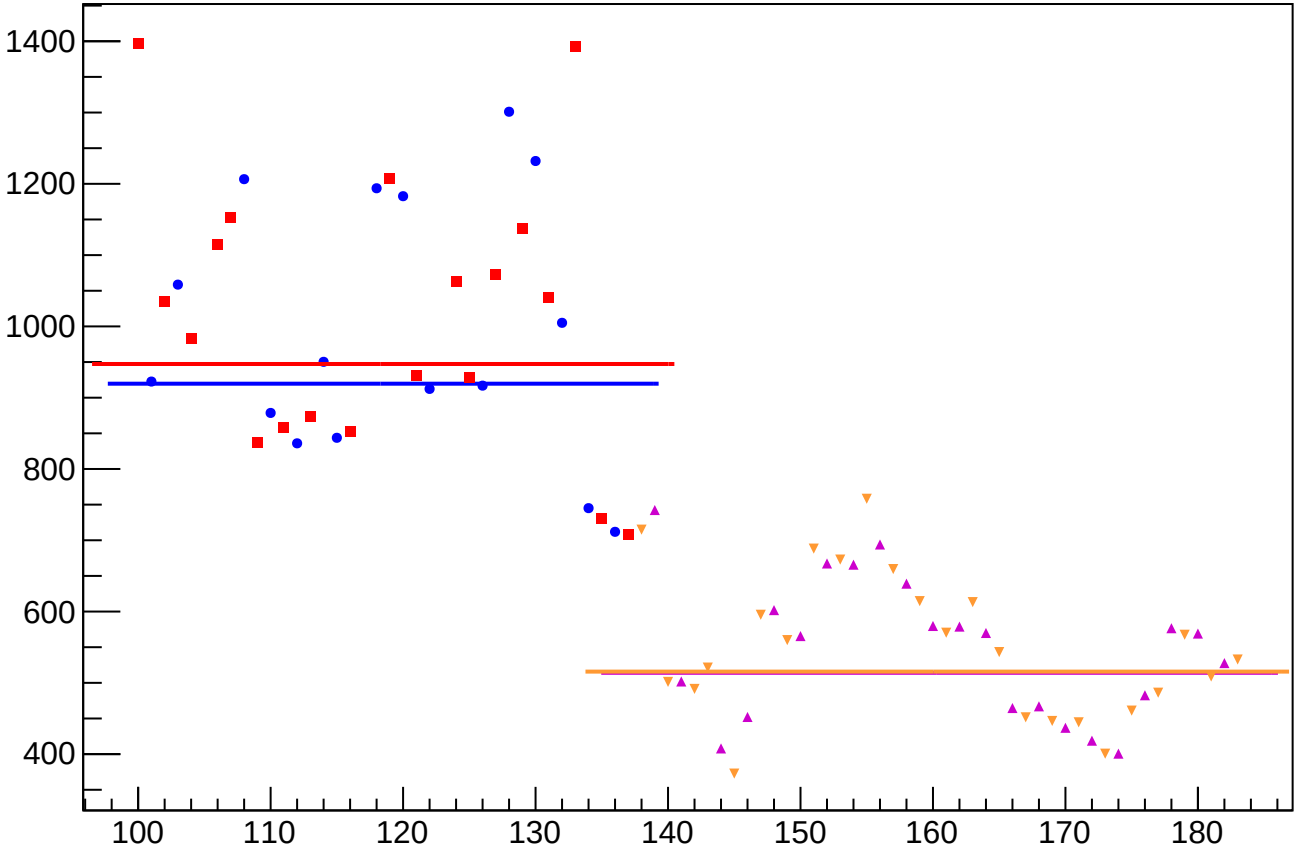
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 61.779+/-116.339 χ^2/NDF:43.6/37

Out: -480.321+/-113.737 χ^2/NDF:87.3/42

All: -215.402+/-81.329 χ^2/NDF: 142.0/80

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: 515.767+/-0.085 χ^2/NDF:1232478.3/23

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 514.075+/-0.087 χ^2/NDF:1116883.0/21

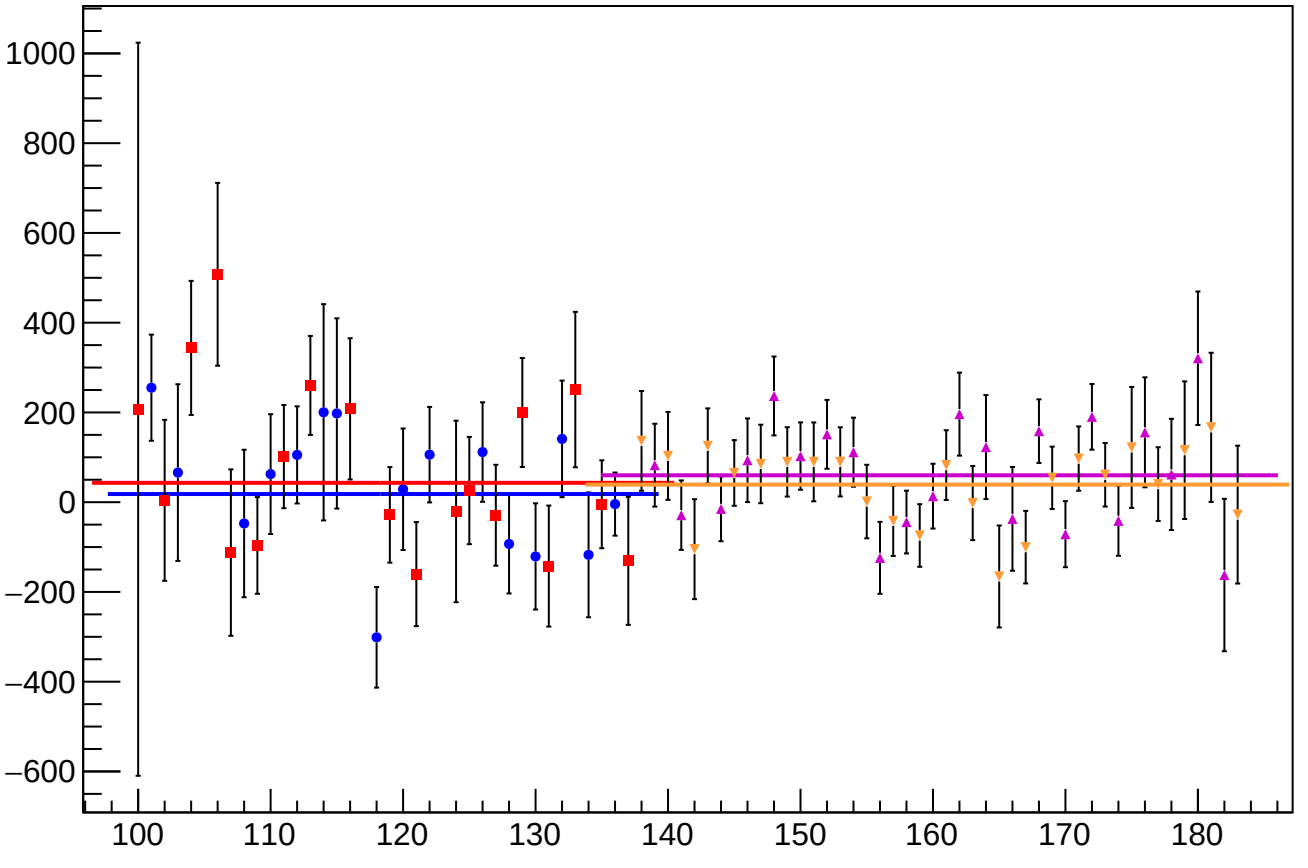
Left: 514.943+/-0.061 χ^2/NDF: 2349554.4/45

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 558.866+/-0.082 χ^2/NDF:4020138.9/37

Out: 560.671+/-0.080 χ^2/NDF:4342018.7/42

All: 559.789+/-0.058 χ^2/NDF: 8362403.9/80



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 39.212+/-17.737 χ^2/NDF:18.4/23

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 59.949+/-18.250 χ^2/NDF:35.3/21

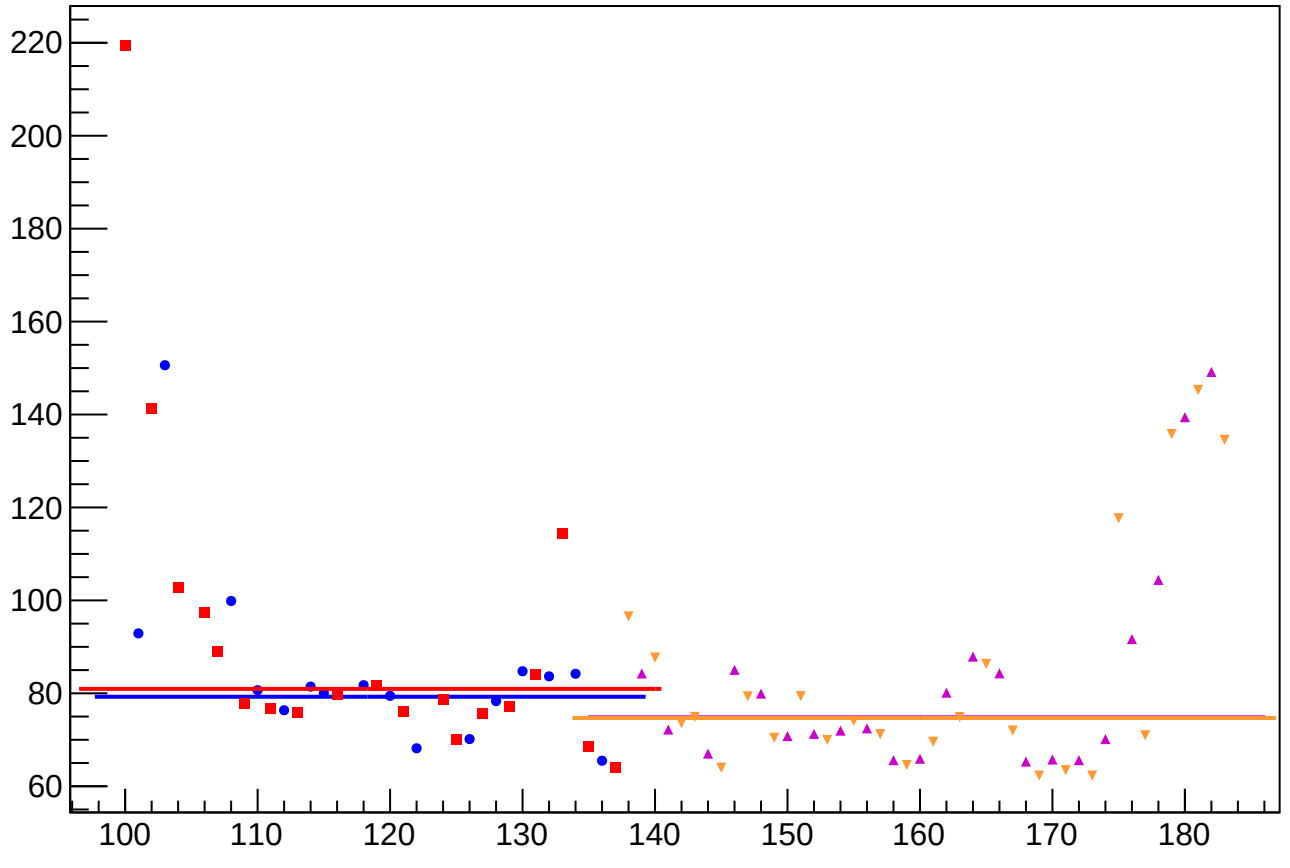
Left: 49.285+/-12.720 χ^2/NDF: 54.4/45

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 48.854+/-15.640 χ^2/NDF:56.8/37

Out: 40.195+/-15.359 χ^2/NDF:46.2/42

All: 44.446+/-10.958 χ^2/NDF: 103.1/80



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 74.687+/-0.013 χ^2/NDF:1622630.7/23

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: 74.763+/-0.009 χ^2/NDF: 2843376.8/45

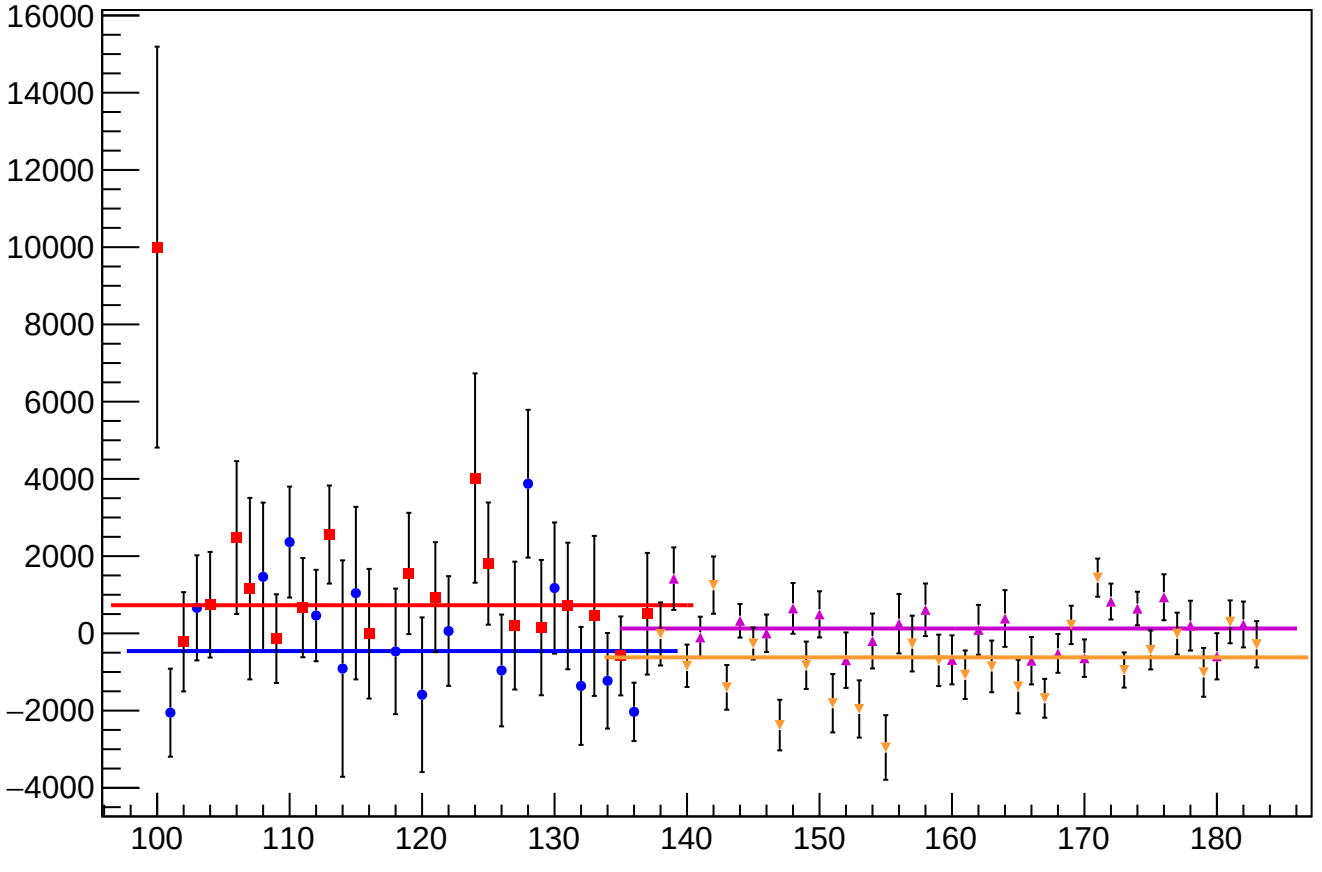
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 76.017+/-0.011 χ^2/NDF:1696770.0/37

Out: 76.256+/-0.011 χ^2/NDF:2199369.6/42

All: 76.139+/-0.008 χ^2/NDF: 3896376.6/80

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: -620.756+/-120.161 χ^2/NDF:62.6/23

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: -256.999+/-86.072 χ^2/NDF: 102.3/45

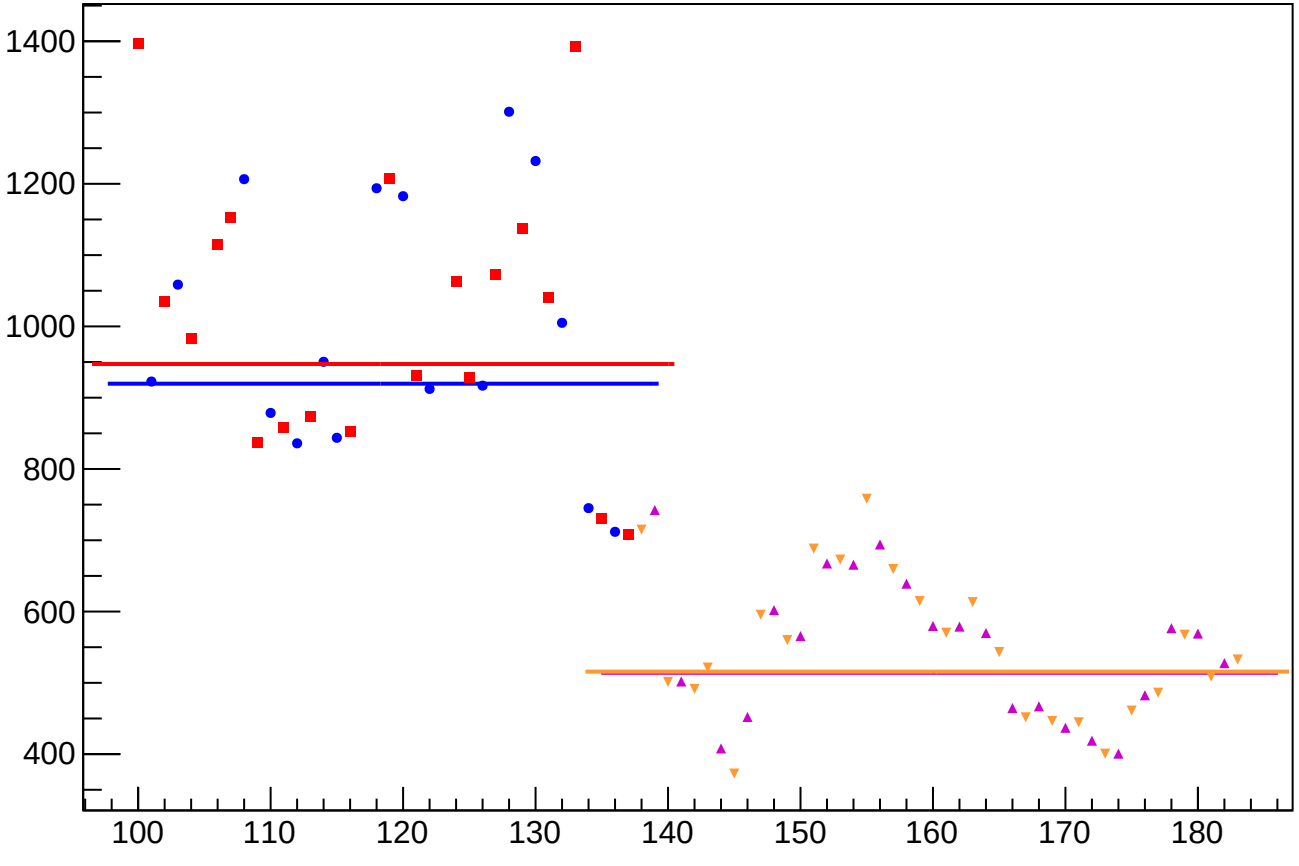
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 61.778+/-116.339 χ^2/NDF:43.6/37

Out: -480.320+/-113.737 χ^2/NDF:87.3/42

All: -215.402+/-81.328 χ^2/NDF: 142.0/80

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: 515.766+/-0.085 χ^2/NDF:1232480.8/23

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 514.074+/-0.087 χ^2/NDF:1116881.5/21

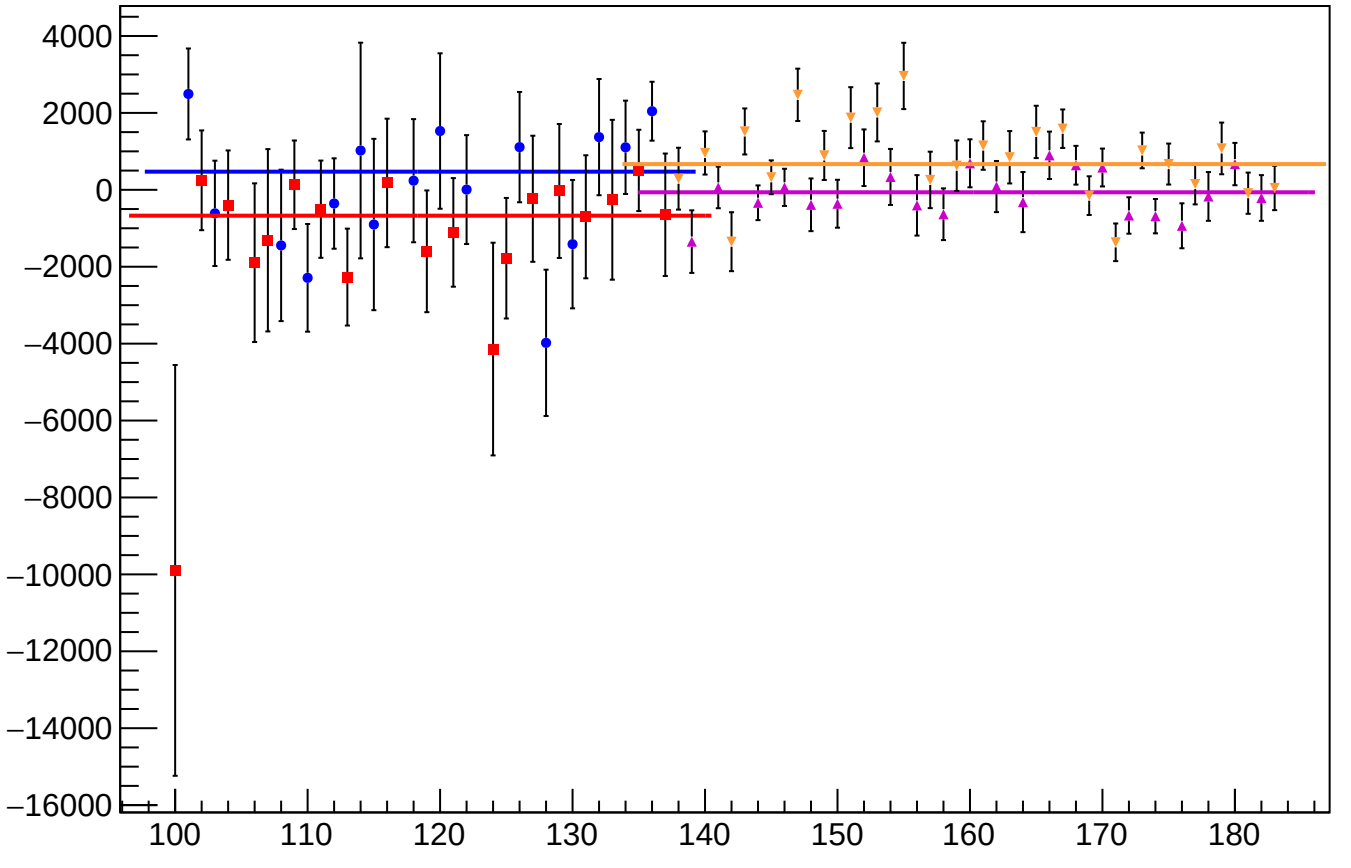
Left: 514.942+/-0.061 χ^2/NDF: 2349555.3/45

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 558.865+/-0.082 χ^2/NDF:4020134.1/37

Out: 560.670+/-0.080 χ^2/NDF:4342018.7/42

All: 559.788+/-0.058 χ^2/NDF: 8362399.1/80



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 668.889+/-121.941 χ^2/NDF:60.6/23

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: 309.988+/-87.101 χ^2/NDF: 99.7/45

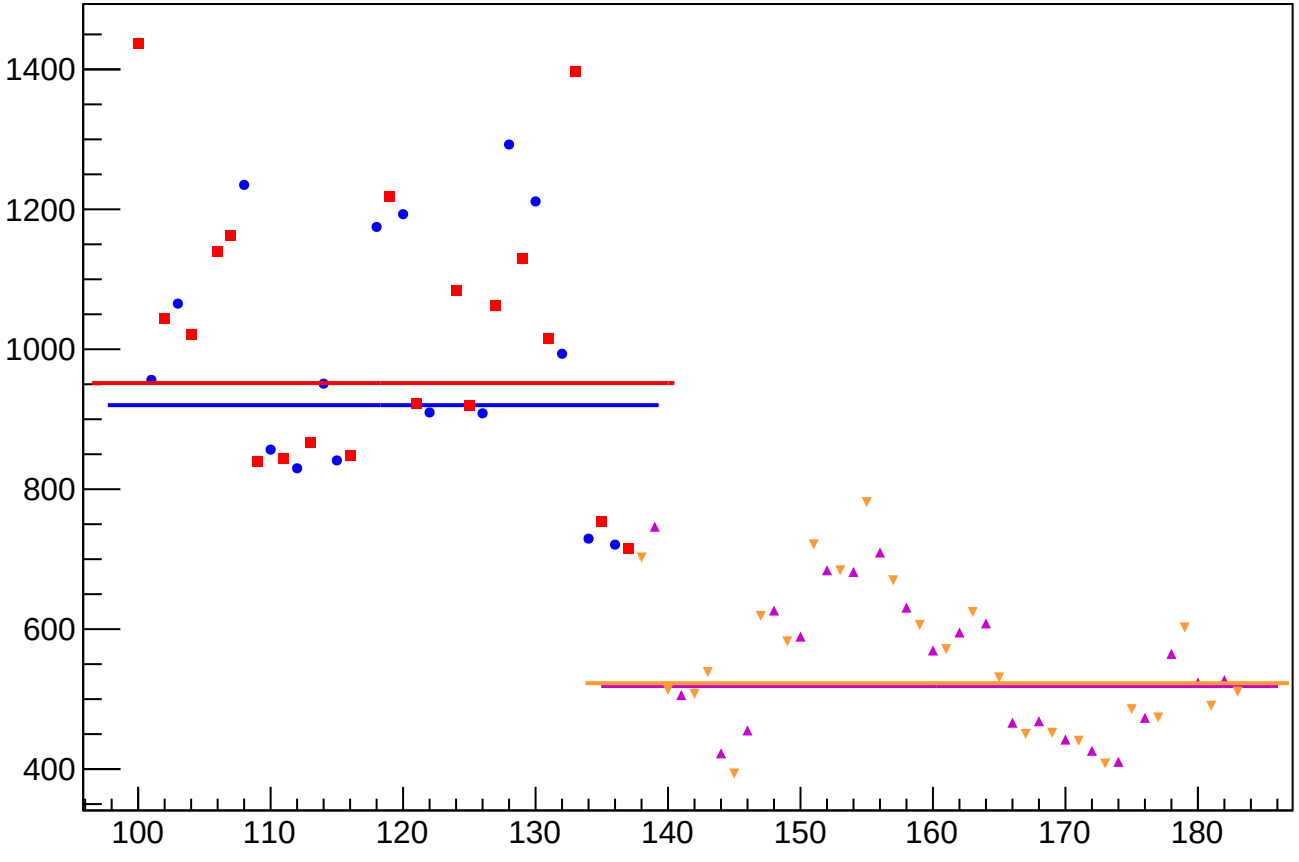
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: -3.829+/-117.277 χ^2/NDF:45.0/37

Out: 526.969+/-115.311 χ^2/NDF:83.7/42

All: 266.058+/-82.223 χ^2/NDF: 139.2/80

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 522.790+/-0.086 χ^2/NDF:1222049.1/23

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 518.782+/-0.088 χ^2/NDF:1098758.7/21

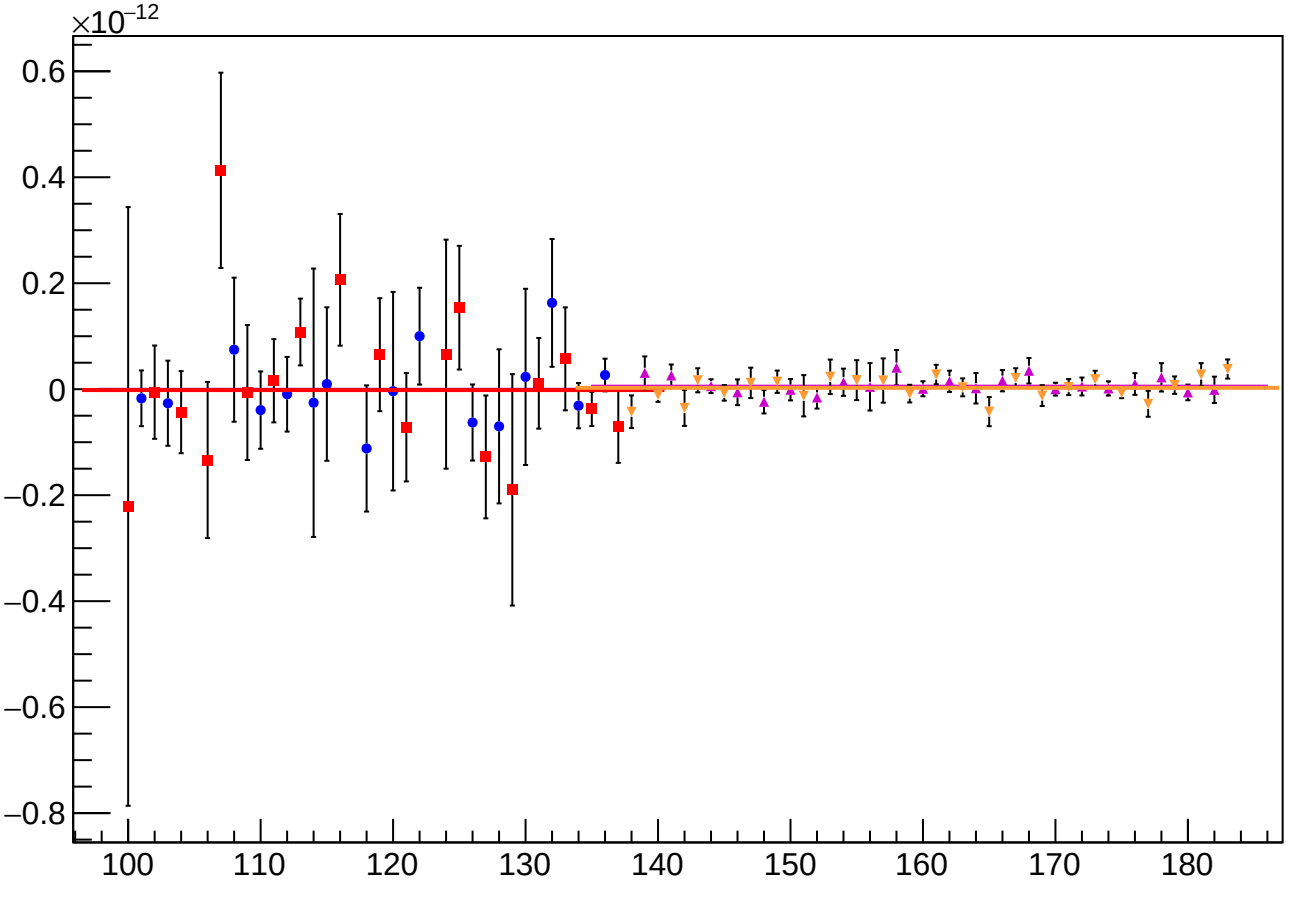
Left: 520.827+/-0.062 χ^2/NDF: 2321865.6/45

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 563.747+/-0.083 χ^2/NDF:3937612.1/37

Out: 568.170+/-0.082 χ^2/NDF:4256287.6/42

All: 565.996+/-0.058 χ^2/NDF: 8195345.8/80



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/21

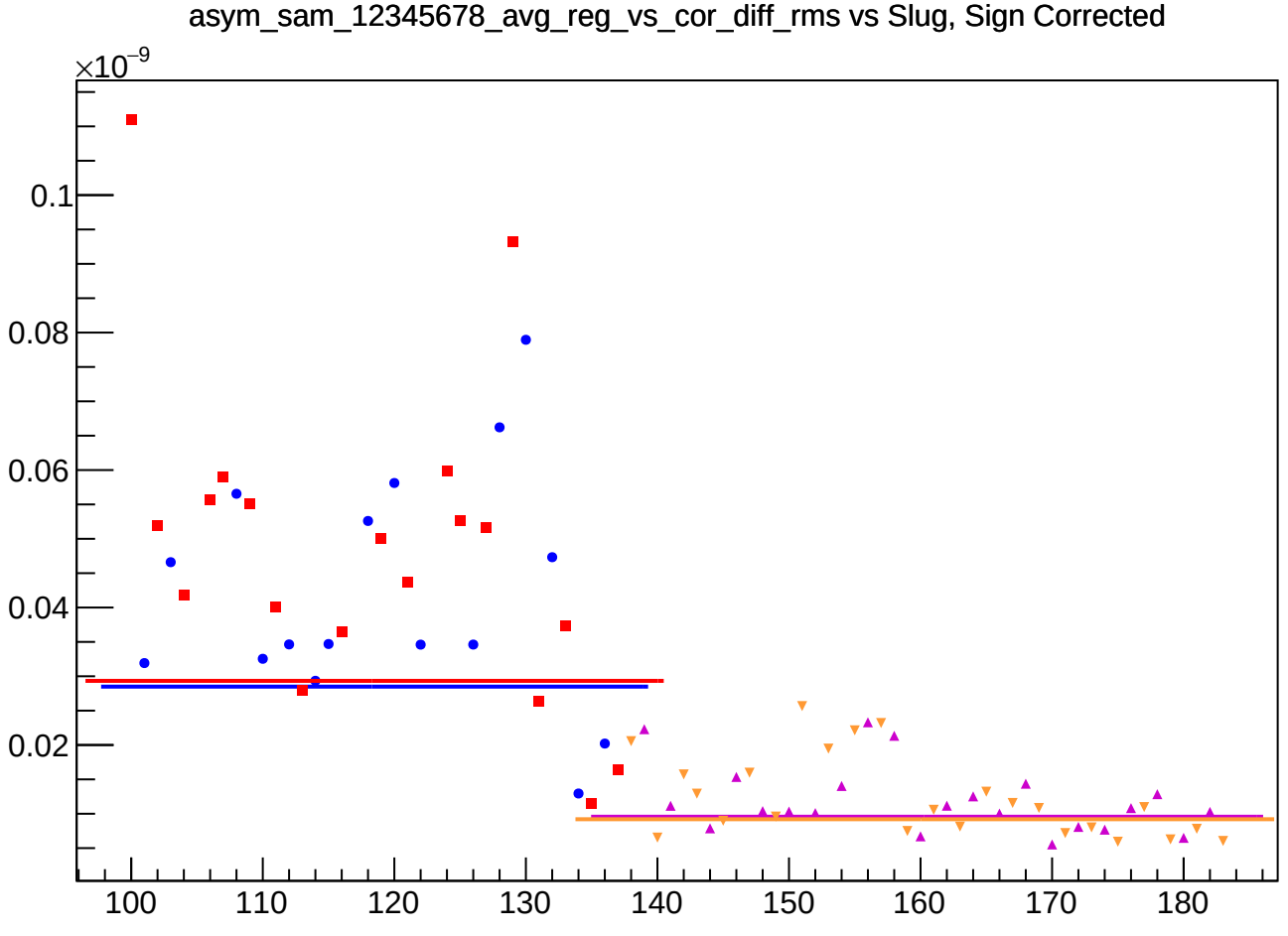
Left: 0.000+/-0.000 χ^2/NDF: 31.4/45

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:41.2/42

All: 0.000+/-0.000 χ^2/NDF: 58.0/80



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2136632.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1599009.3/21

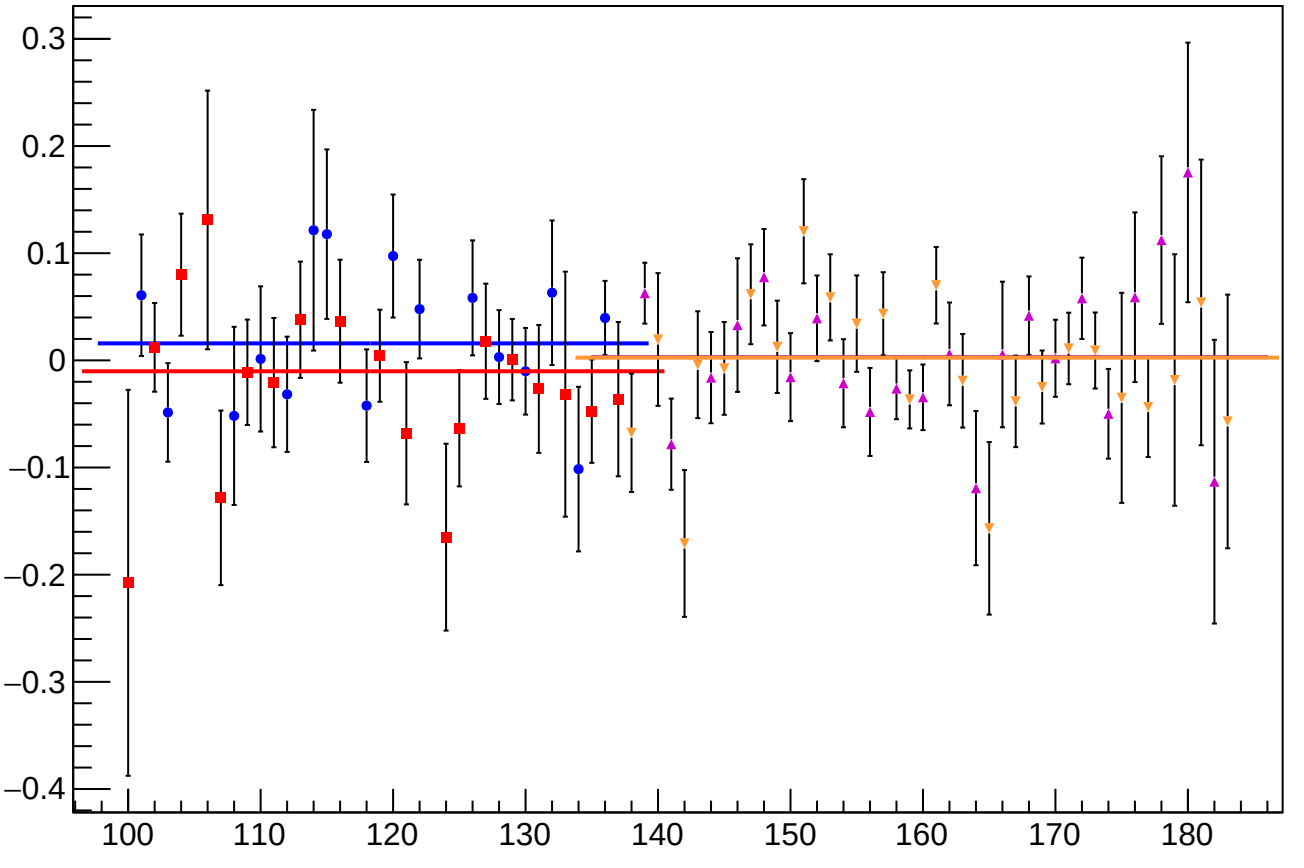
Left: 0.000+/-0.000 χ^2/NDF: 3744024.5/45

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:5882650.2/42

All: 0.000+/-0.000 χ^2/NDF: 10821313.5/80



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.3/23

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: 62.0/45

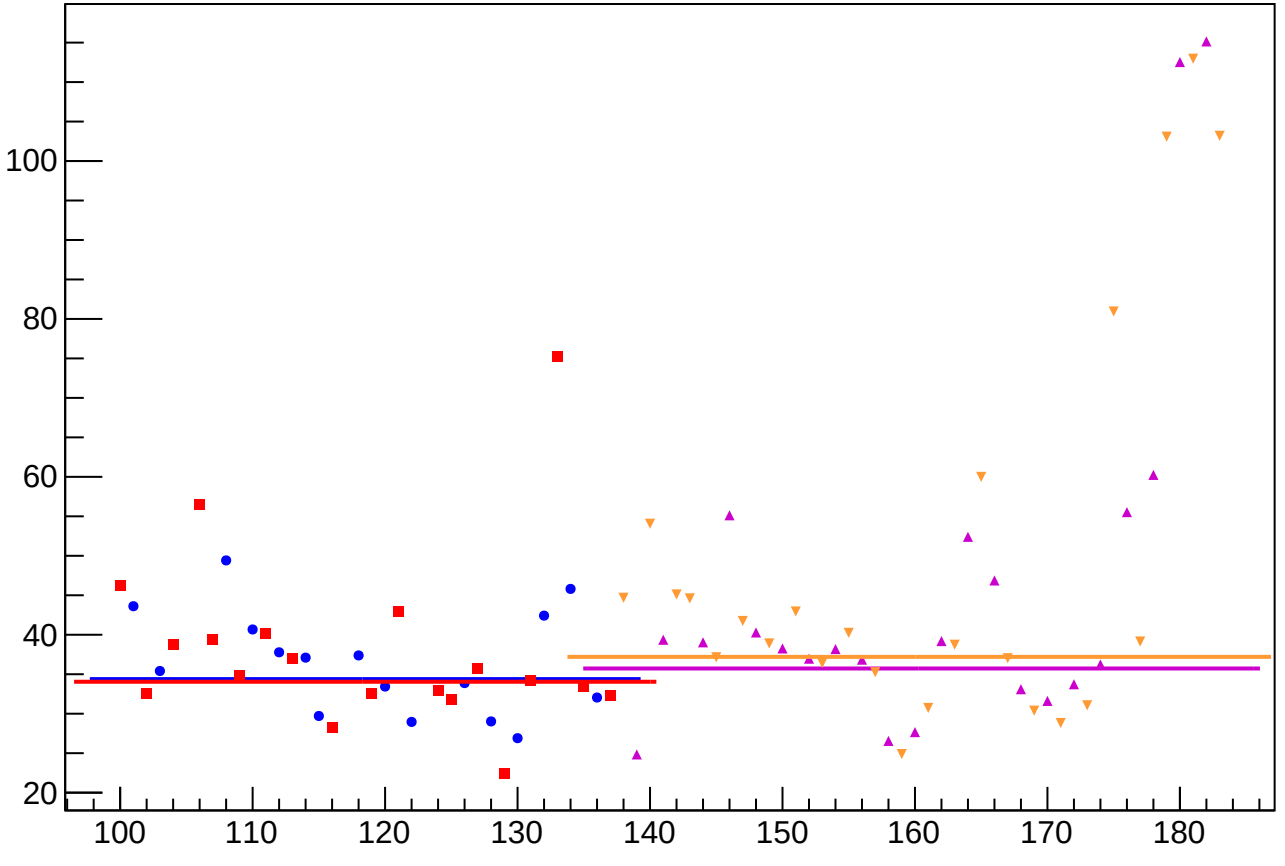
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:45.1/37

Out: -0.002+/-0.008 χ^2/NDF:48.1/42

All: 0.003+/-0.005 χ^2/NDF: 93.8/80

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.198+/-0.007 χ^2/NDF:3528921.8/23

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: 36.454+/-0.005 χ^2/NDF: 6513243.2/45

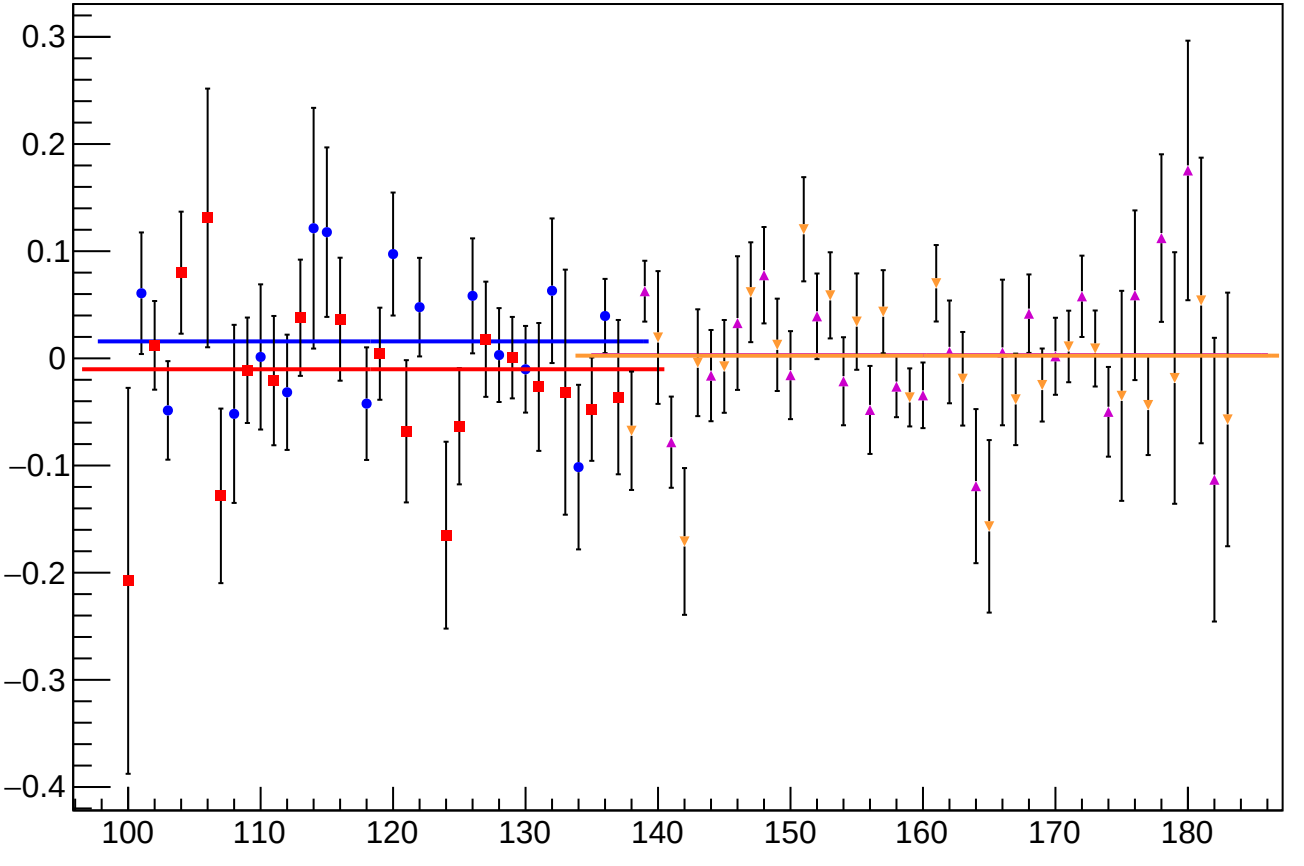
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 35.297+/-0.005 χ^2/NDF:3340475.7/37

Out: 36.157+/-0.005 χ^2/NDF:4247838.5/42

All: 35.726+/-0.004 χ^2/NDF: 7601206.2/80

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.3/23

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: 62.0/45

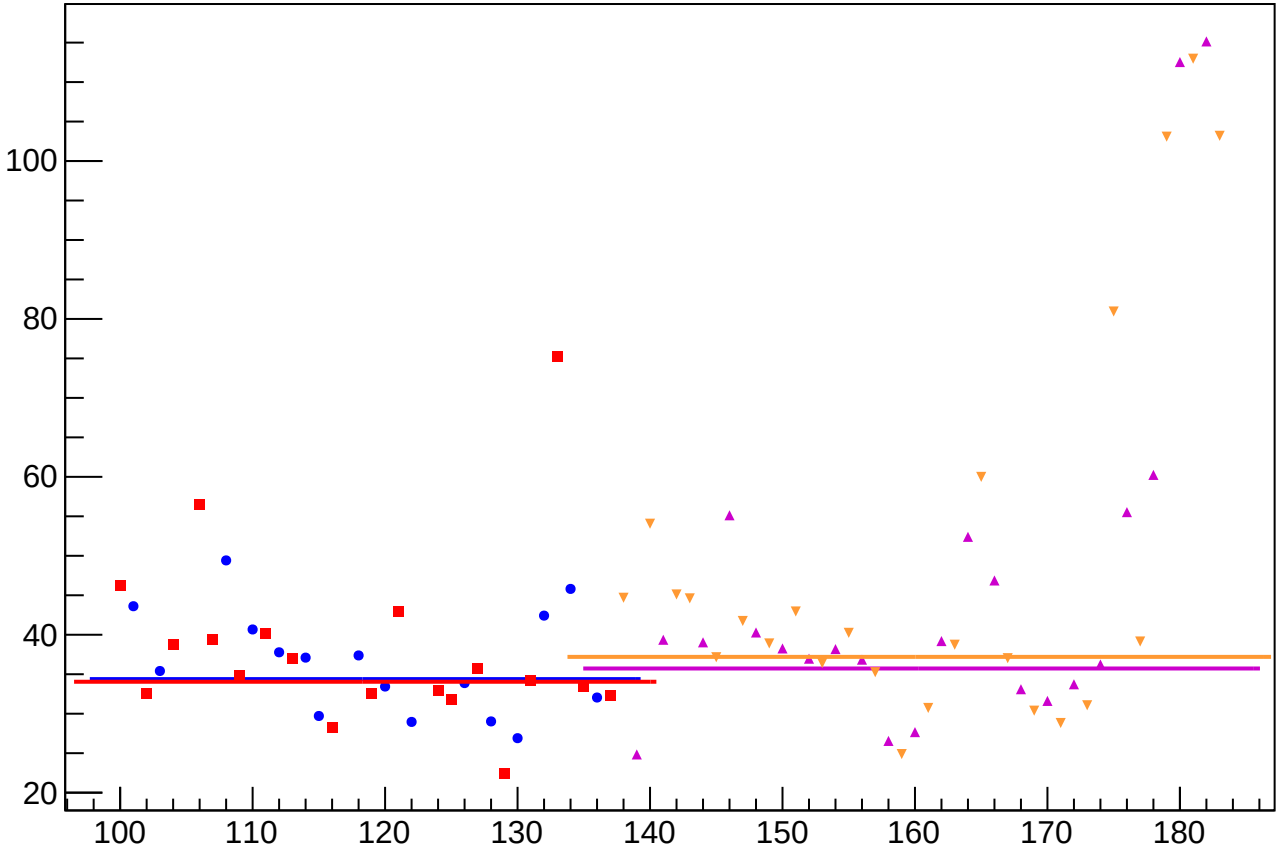
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:45.1/37

Out: -0.002+/-0.008 χ^2/NDF:48.1/42

All: 0.003+/-0.005 χ^2/NDF: 93.8/80

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.198+/-0.007 χ^2/NDF:3528921.8/23

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.726+/-0.006 χ^2/NDF:2958880.6/21

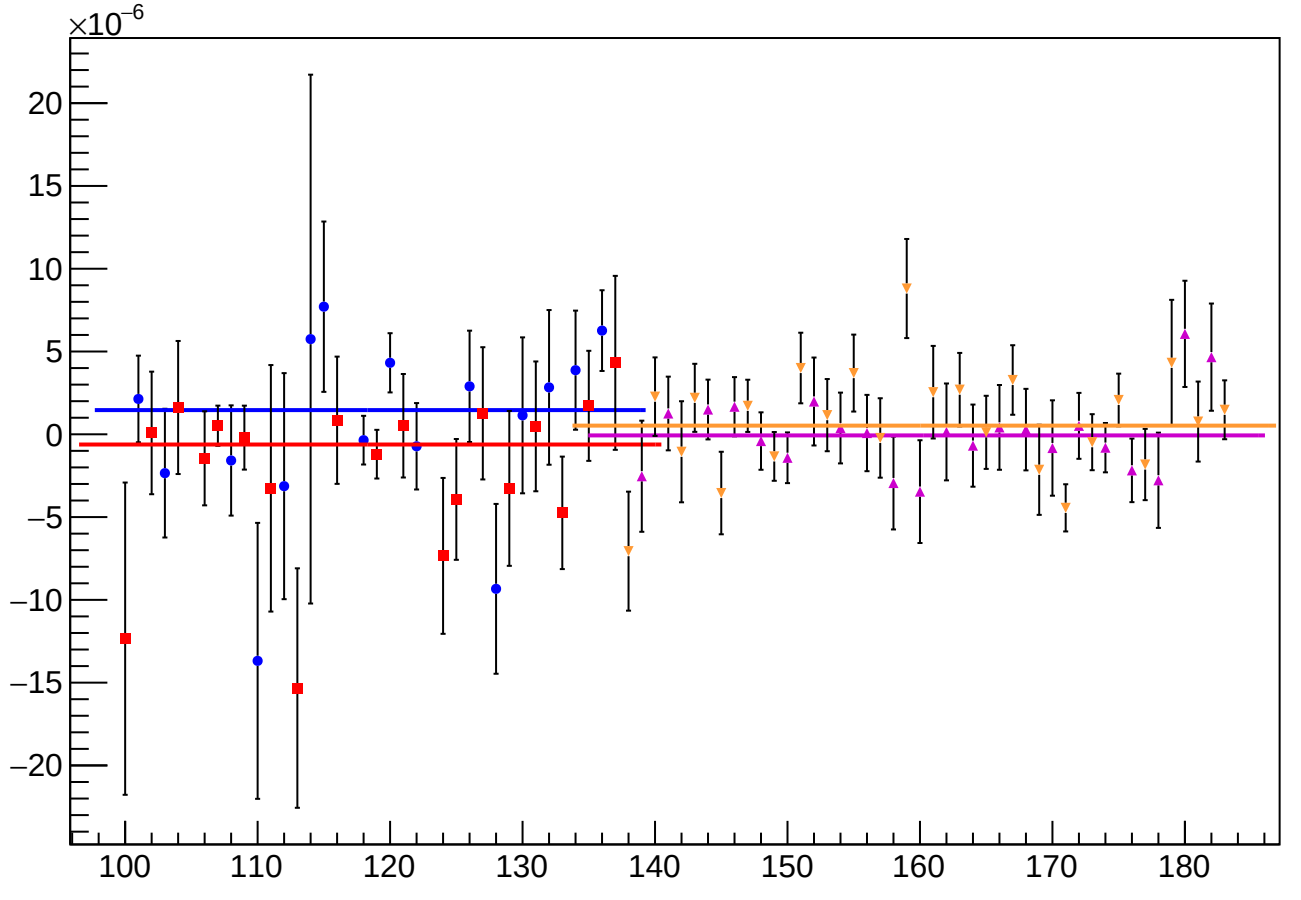
Left: 36.454+/-0.005 χ^2/NDF: 6513243.2/45

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 35.297+/-0.005 χ^2/NDF:3340475.7/37

Out: 36.157+/-0.005 χ^2/NDF:4247838.5/42

All: 35.726+/-0.004 χ^2/NDF: 7601206.2/80



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.3/23

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: 58.8/45

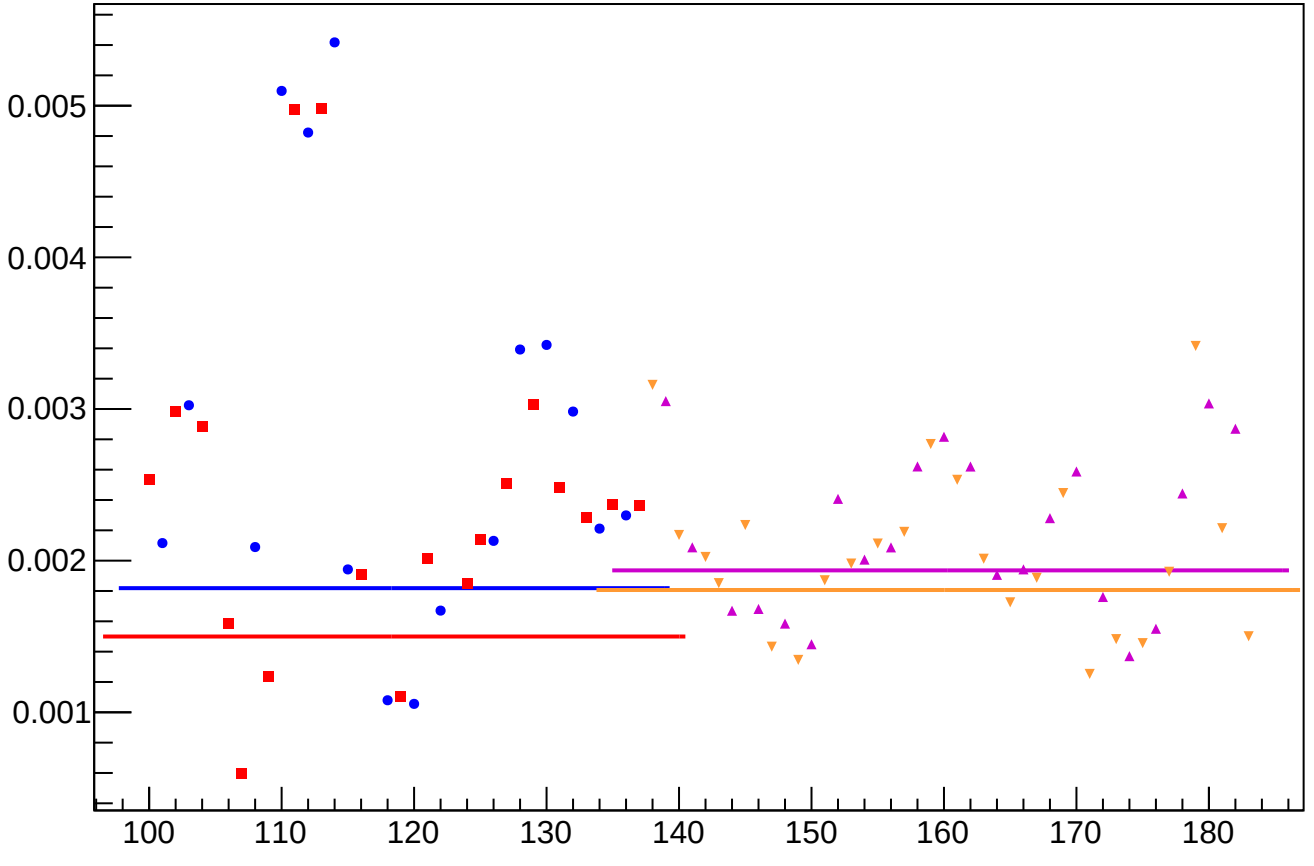
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:38.6/37

Out: 0.000+/-0.000 χ^2/NDF:59.4/42

All: 0.000+/-0.000 χ^2/NDF: 98.1/80

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2236480.9/23

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: 4371386.1/45

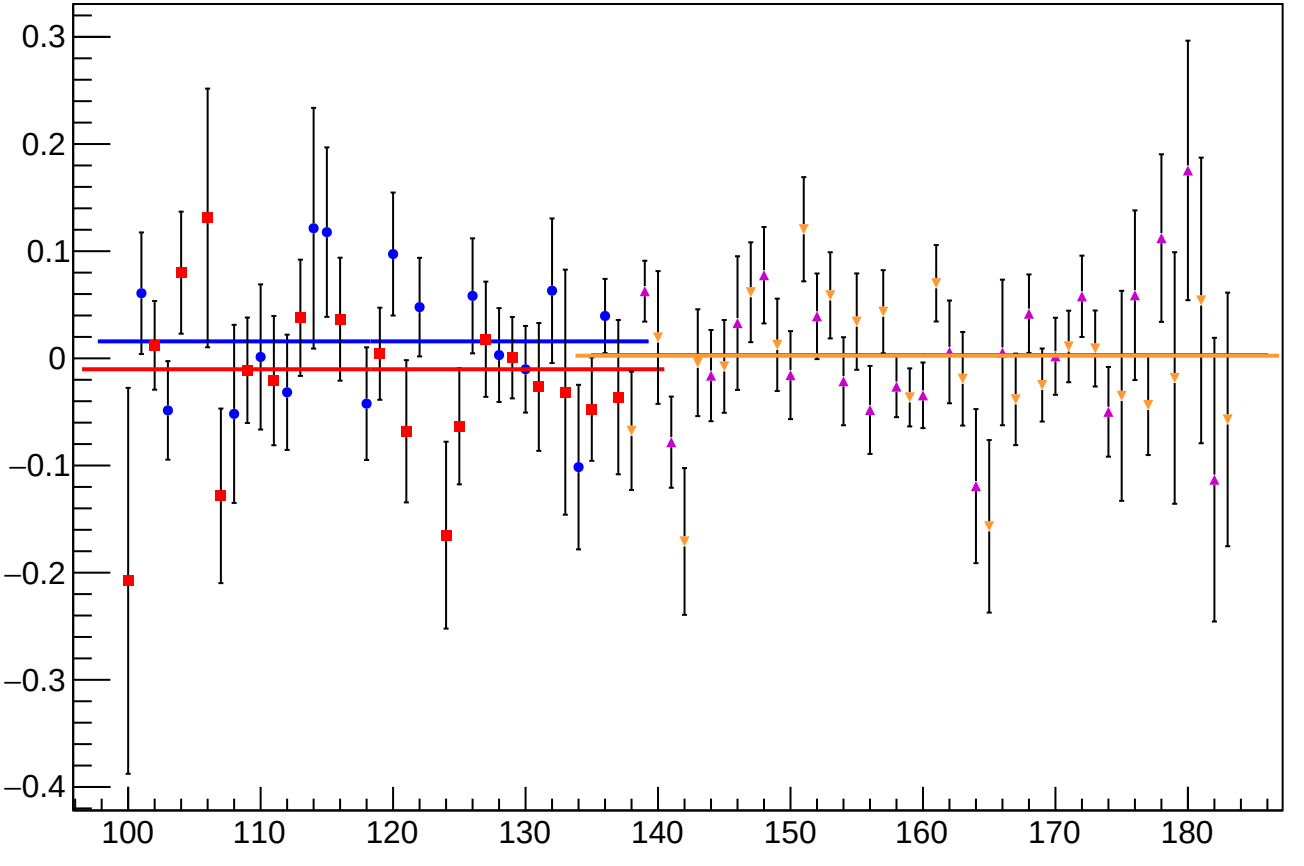
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:4657894.5/37

Out: 0.002+/-0.000 χ^2/NDF:6238458.9/42

All: 0.002+/-0.000 χ^2/NDF: 11146459.0/80

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:32.3/23

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.009 χ^2/NDF:29.7/21

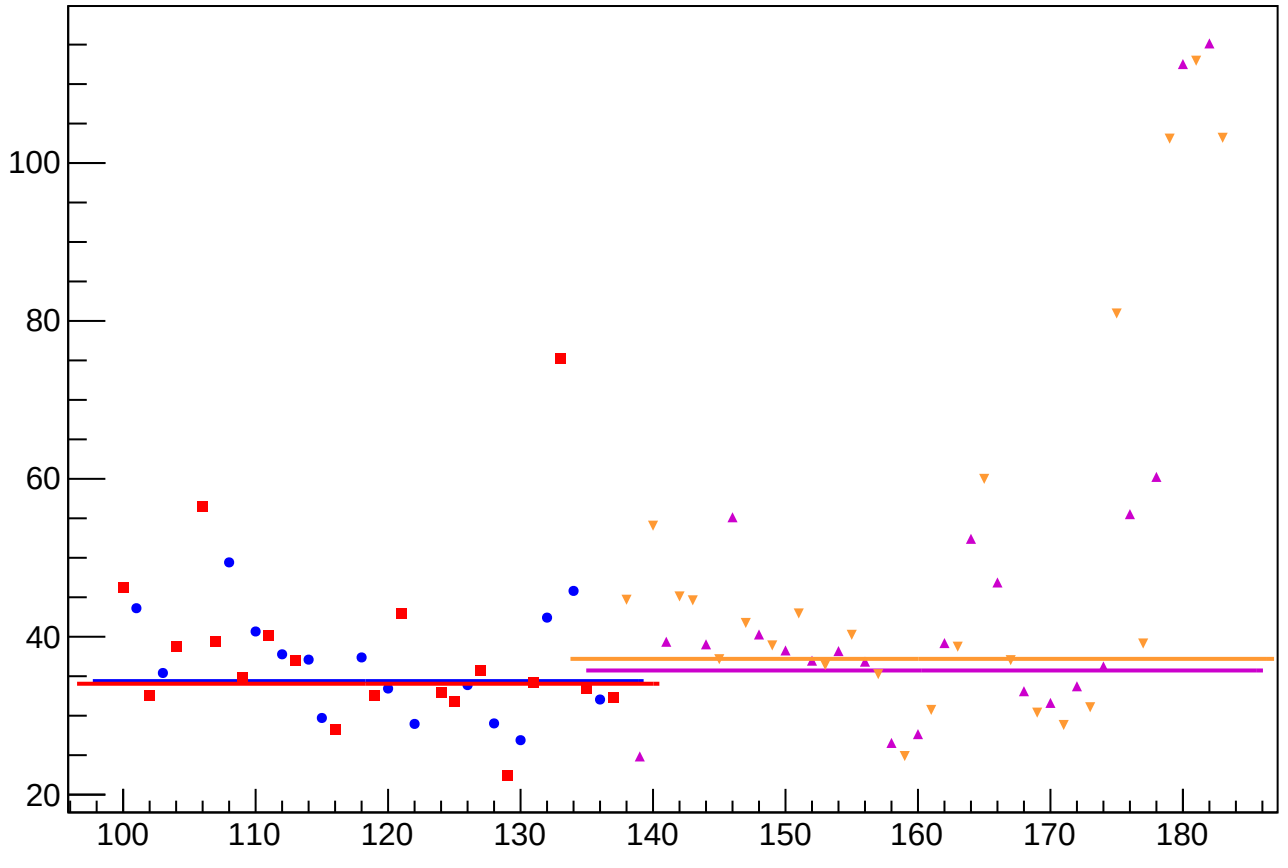
Left: 0.003+/-0.007 χ^2/NDF: 62.0/45

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:45.1/37

Out: -0.002+/-0.008 χ^2/NDF:48.1/42

All: 0.003+/-0.005 χ^2/NDF: 93.8/80



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.198+/-0.007 χ^2/NDF:3528974.9/23

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: 36.455+/-0.005 χ^2/NDF: 6513310.1/45

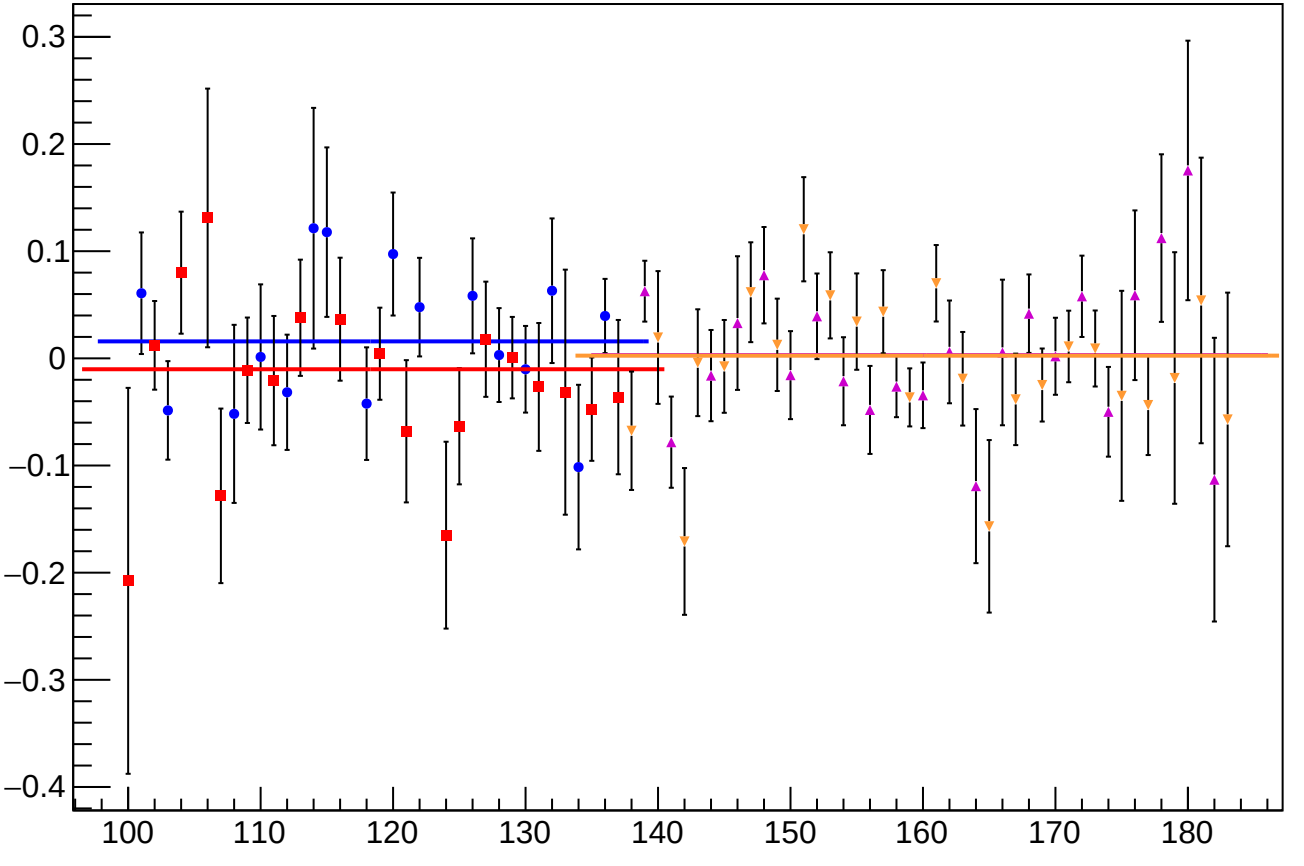
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 35.297+/-0.005 χ^2/NDF:3340572.5/37

Out: 36.157+/-0.005 χ^2/NDF:4247971.8/42

All: 35.726+/-0.004 χ^2/NDF: 7601435.9/80

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:32.3/23

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: 62.0/45

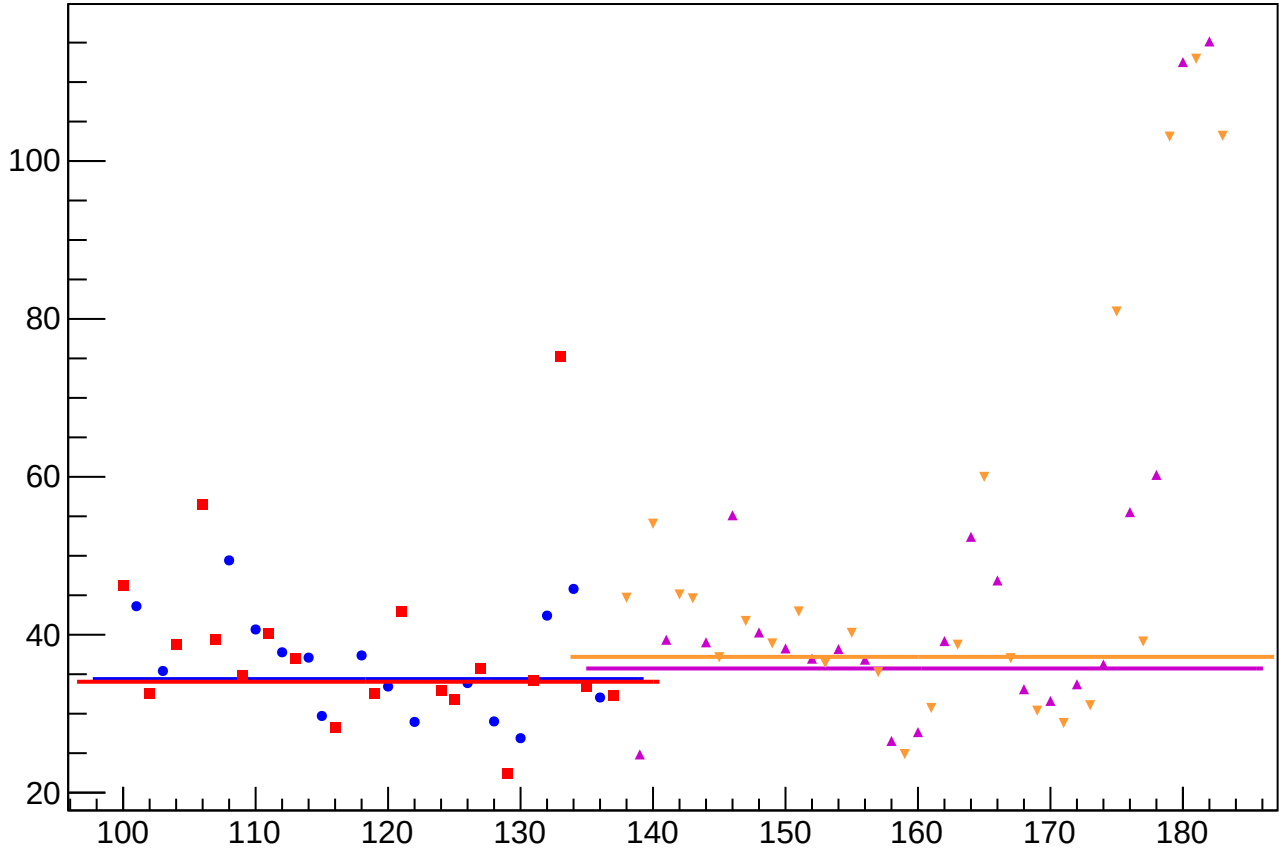
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:45.1/37

Out: -0.002+/-0.008 χ^2/NDF:48.1/42

All: 0.003+/-0.005 χ^2/NDF: 93.8/80

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.198+/-0.007 χ^2/NDF:3528974.9/23

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: 36.455+/-0.005 χ^2/NDF: 6513310.1/45

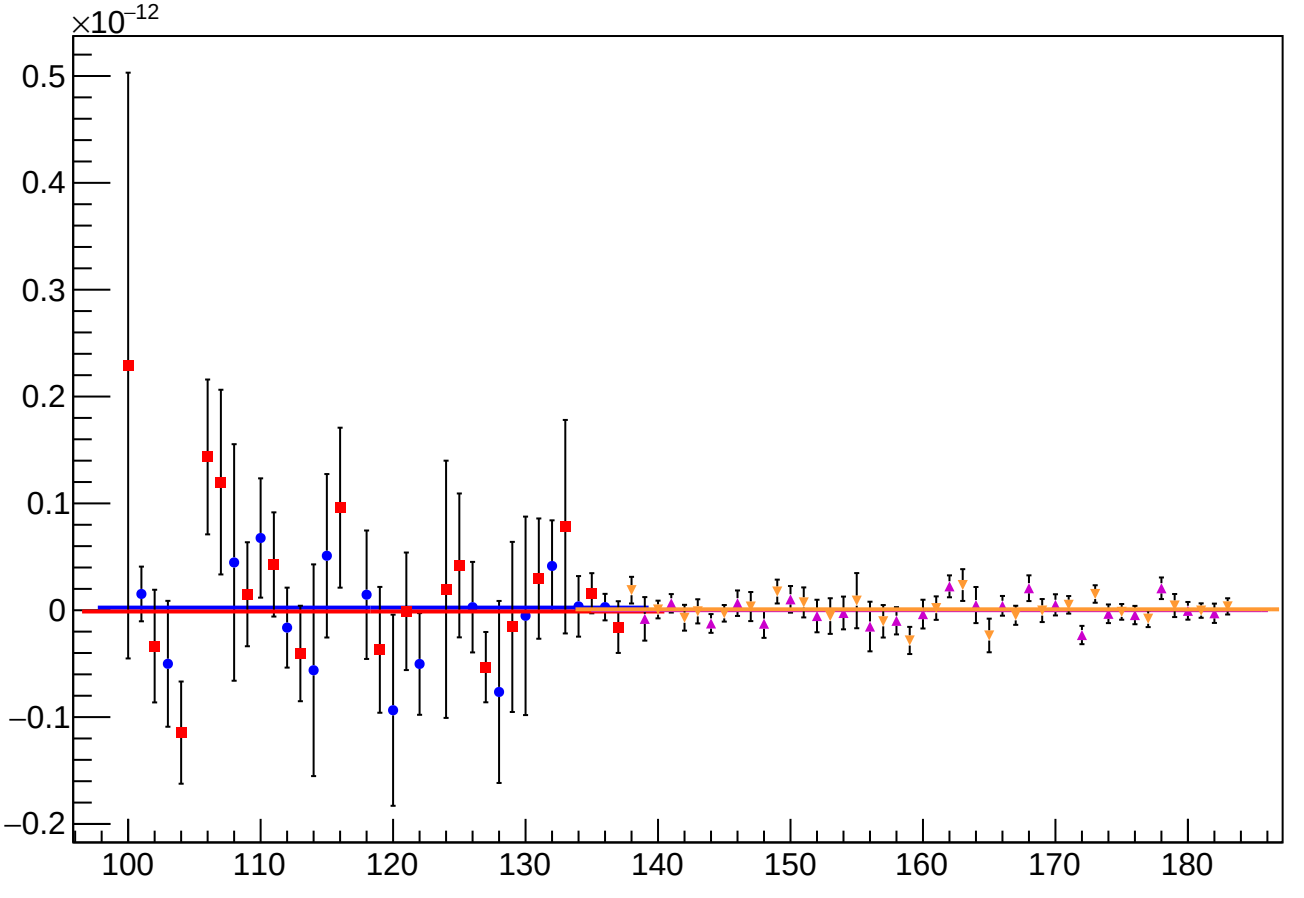
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 35.297+/-0.005 χ^2/NDF:3340572.5/37

Out: 36.157+/-0.005 χ^2/NDF:4247971.8/42

All: 35.726+/-0.004 χ^2/NDF: 7601435.9/80

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/23

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: 47.5/45

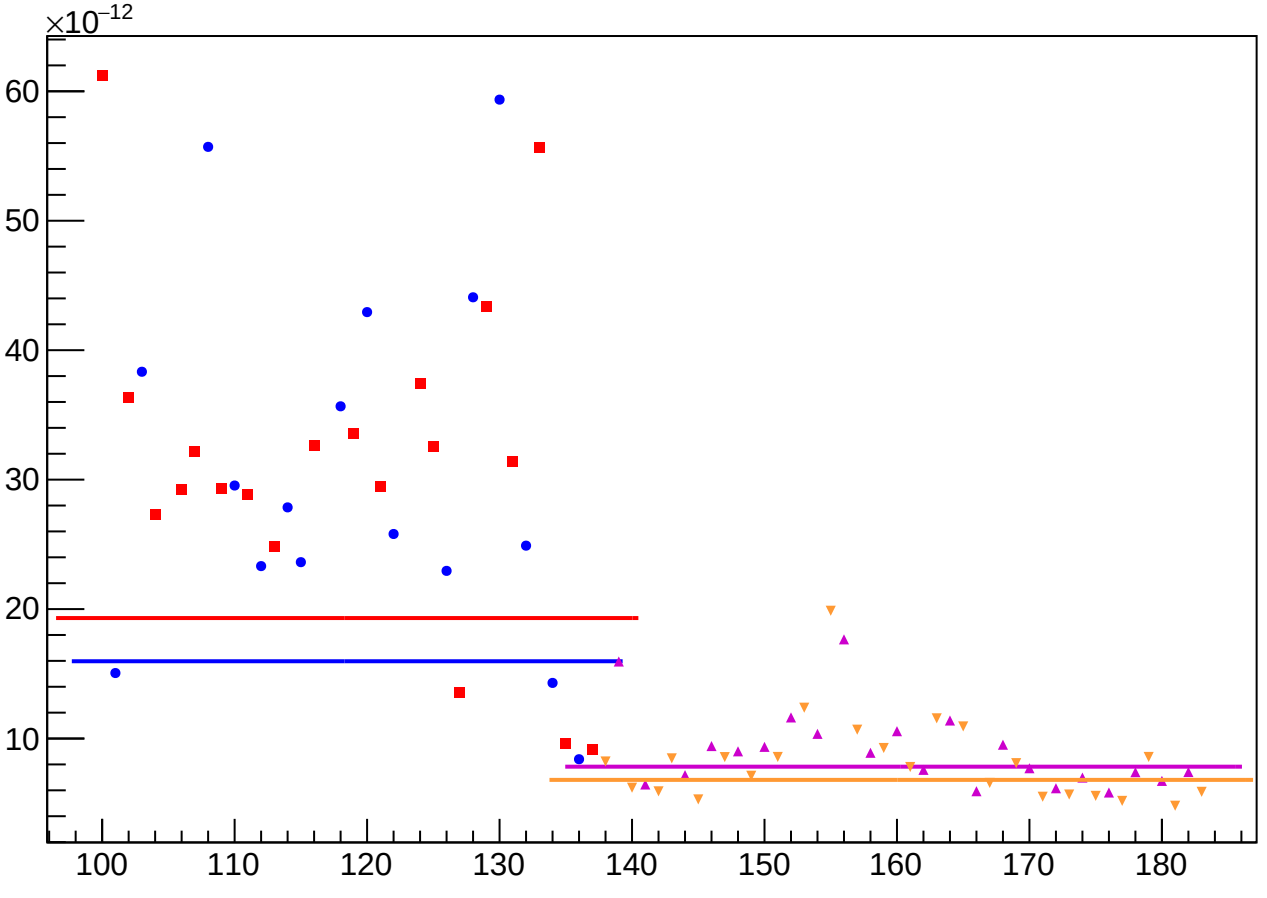
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: 0.000+/-0.000 χ^2/NDF:33.8/37

Out: 0.000+/-0.000 χ^2/NDF:42.9/42

All: 0.000+/-0.000 χ^2/NDF: 76.8/80

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2049611.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1556776.7/21

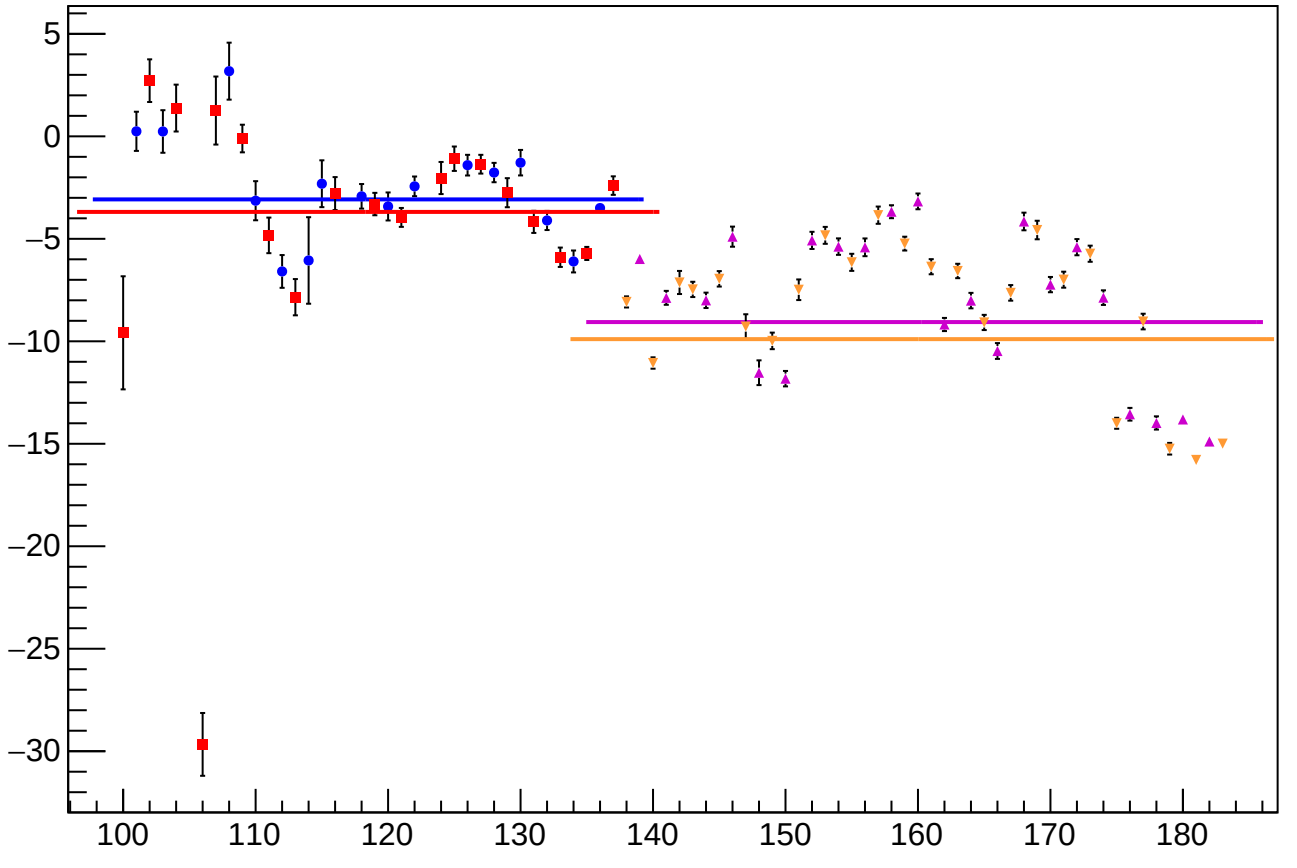
Left: 0.000+/-0.000 χ^2/NDF: 3825033.6/45

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:6009711.3/37

Out: 0.000+/-0.000 χ^2/NDF:7375076.0/42

All: 0.000+/-0.000 χ^2/NDF: 13635480.8/80



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -9.895+/-0.070 χ^2/NDF:3206.1/23

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -9.062+/-0.073 χ^2/NDF:2869.6/21

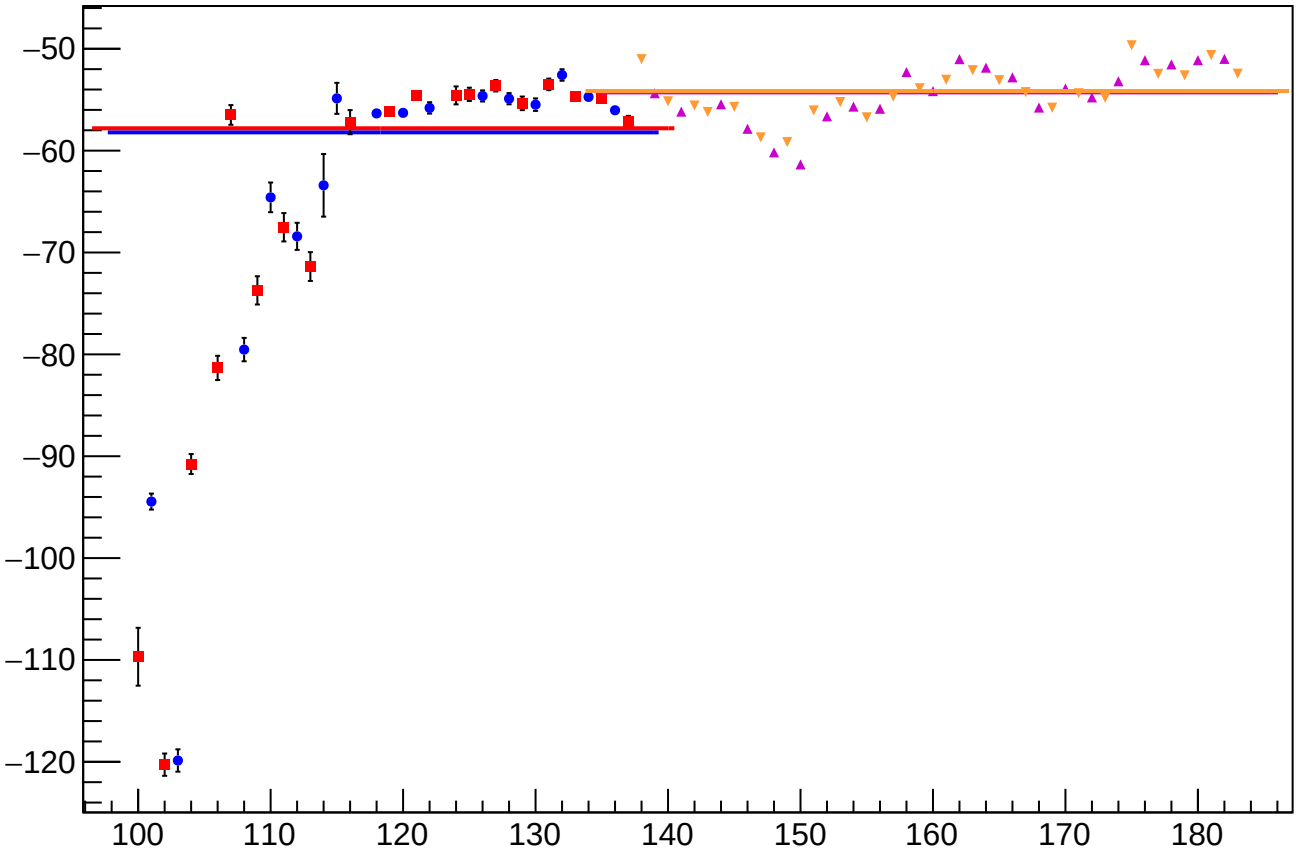
Left: -9.495+/-0.051 χ^2/NDF: 6143.5/45

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -7.713+/-0.064 χ^2/NDF:4520.7/37

Out: -8.653+/-0.063 χ^2/NDF:5309.4/42

All: -8.194+/-0.045 χ^2/NDF: 9939.9/80



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.149+/-0.056 χ^2/NDF:1781.7/23

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -54.282+/-0.059 χ^2/NDF:2482.5/21

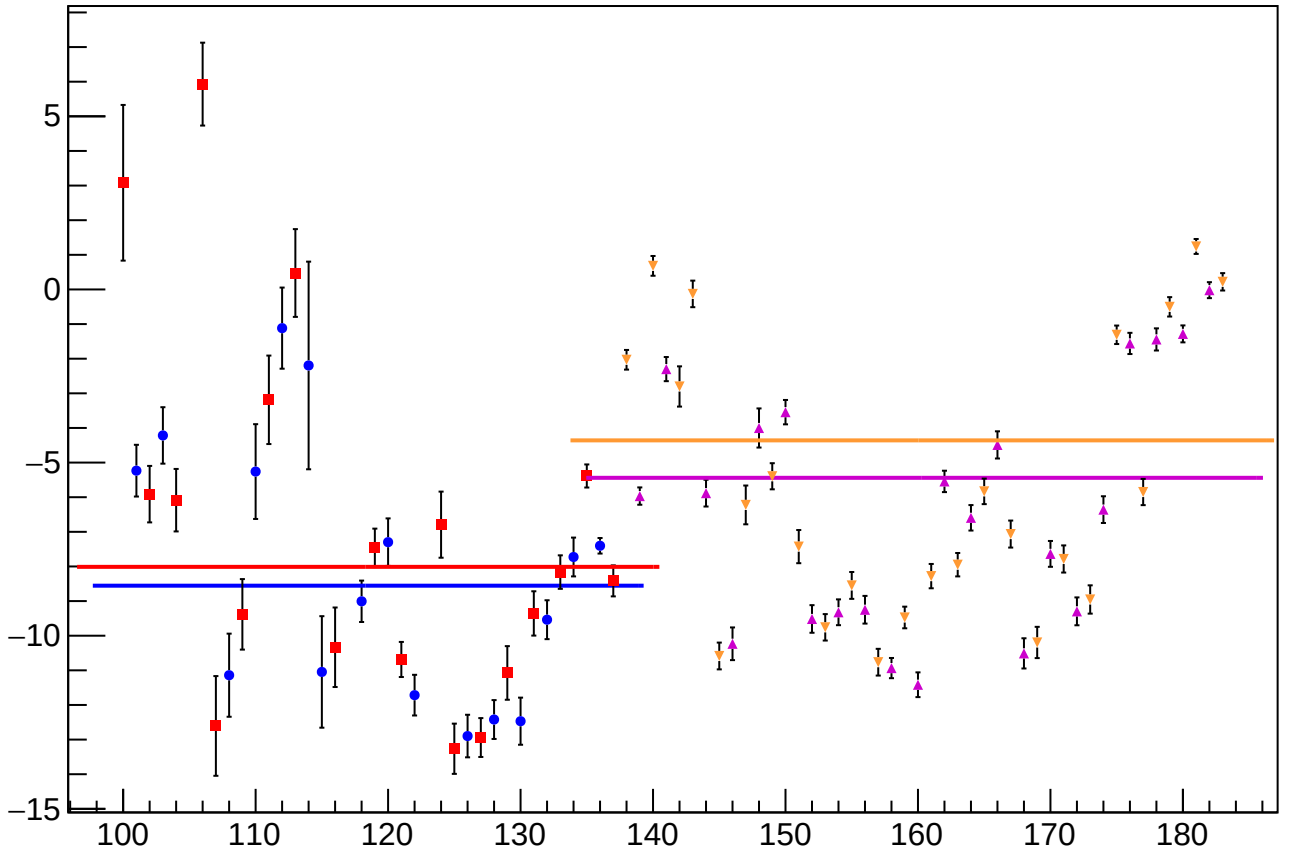
Left: -54.212+/-0.041 χ^2/NDF: 4266.9/45

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -54.908+/-0.054 χ^2/NDF:9312.8/37

Out: -54.666+/-0.052 χ^2/NDF:8172.5/42

All: -54.782+/-0.038 χ^2/NDF: 17495.7/80



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -4.359+/-0.070 χ^2/NDF:3700.6/23

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: -4.880+/-0.050 χ^2/NDF: 6421.7/45

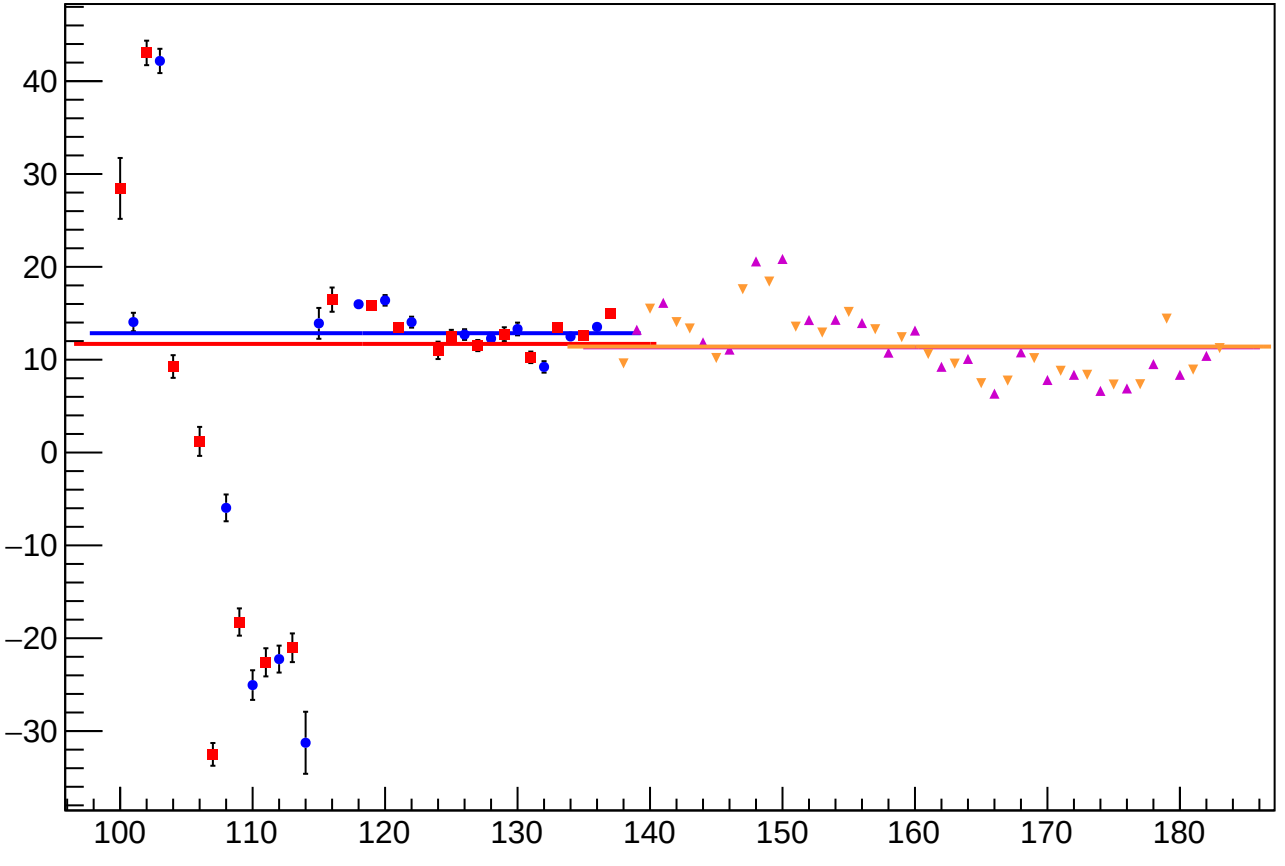
Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -6.061+/-0.065 χ^2/NDF:3276.8/37

Out: -4.988+/-0.063 χ^2/NDF:4662.1/42

All: -5.515+/-0.045 χ^2/NDF: 8079.3/80

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.412+/-0.062 χ^2/NDF:2424.7/23

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 11.330+/-0.065 χ^2/NDF:3252.2/21

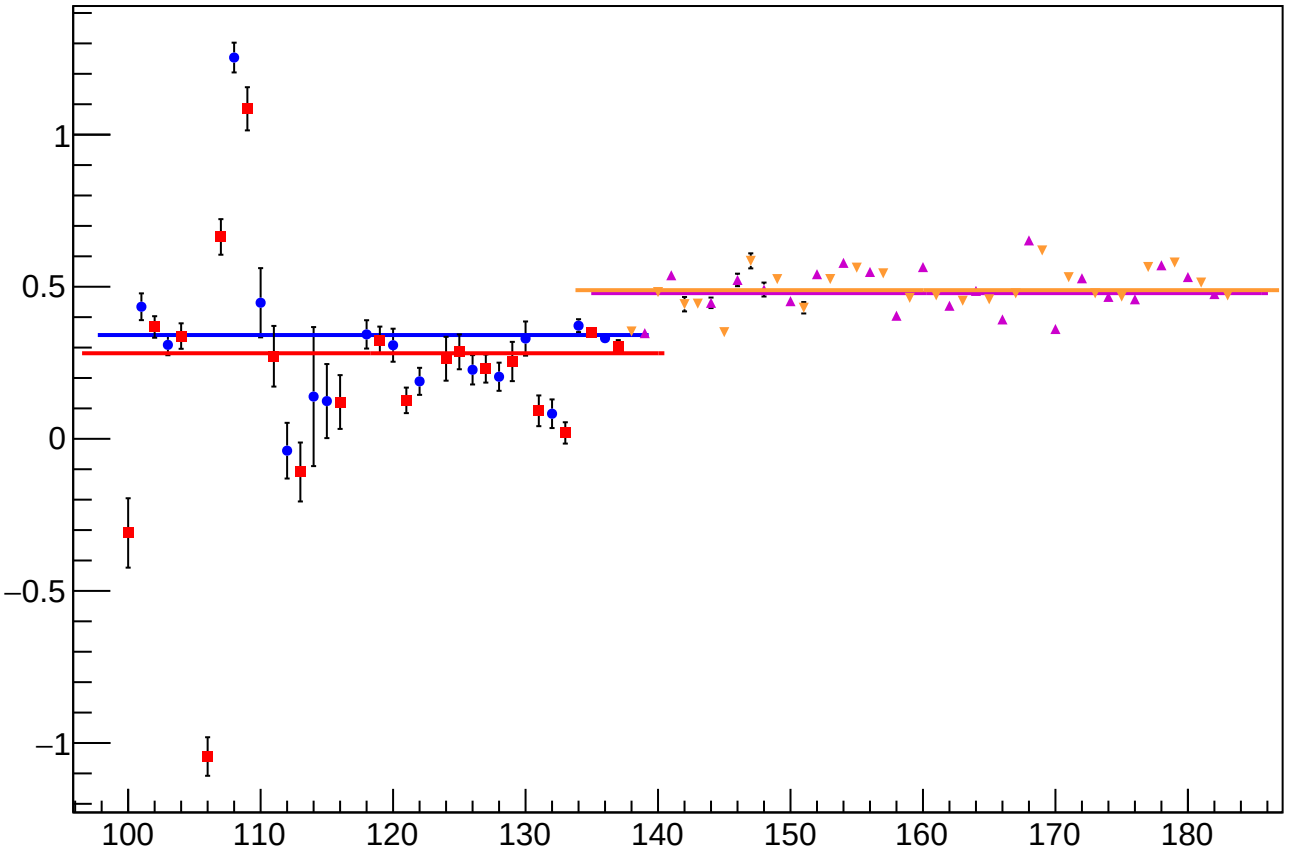
Left: 11.373+/-0.045 χ^2/NDF: 5677.8/45

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 11.571+/-0.060 χ^2/NDF:5467.1/37

Out: 11.452+/-0.058 χ^2/NDF:5926.5/42

All: 11.510+/-0.042 χ^2/NDF: 11395.6/80



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.489+/-0.003 χ^2/NDF:531.4/23

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.479+/-0.003 χ^2/NDF:795.7/21

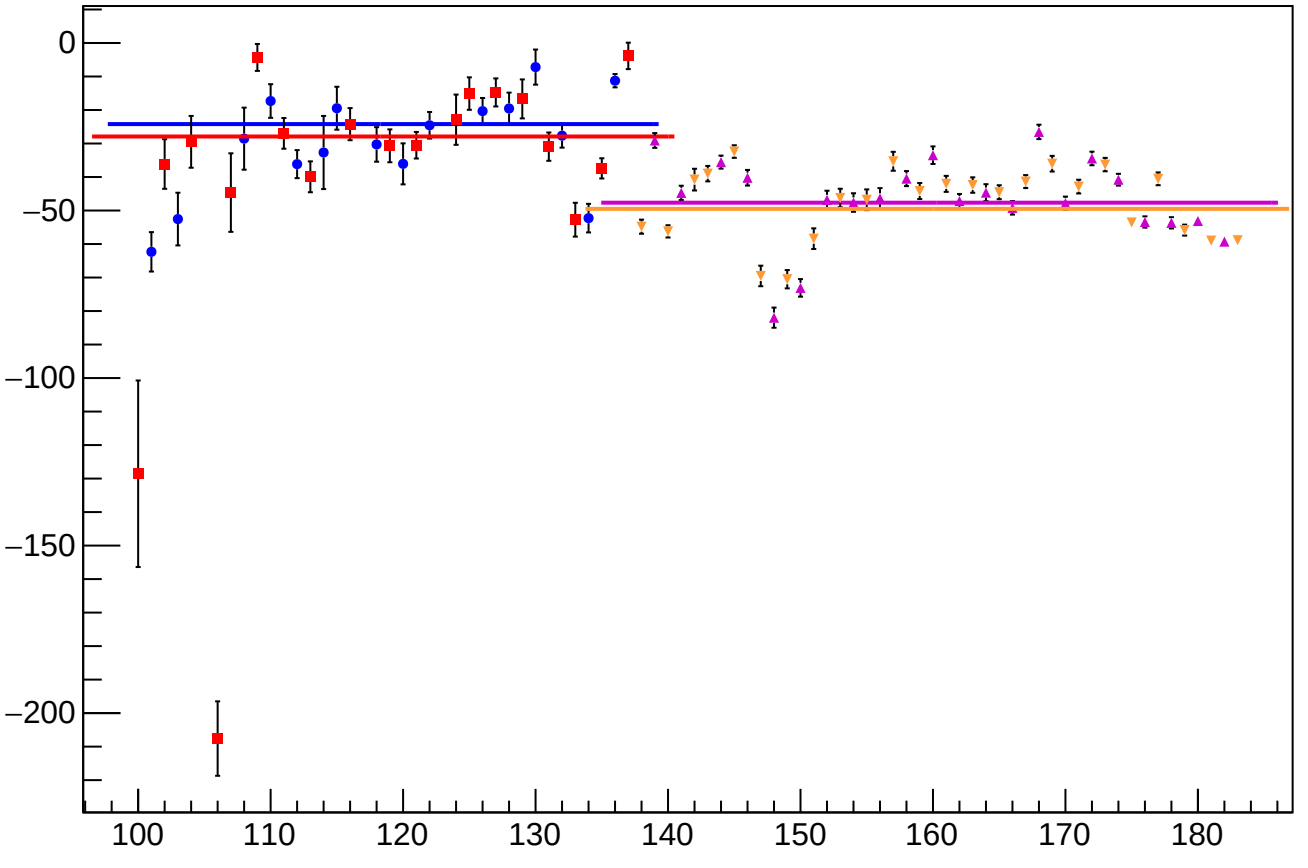
Left: 0.484+/-0.002 χ^2/NDF: 1333.3/45

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:1851.3/42

All: 0.466+/-0.002 χ^2/NDF: 3356.0/80



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -49.503+/-0.407 χ^2/NDF:576.3/23

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -47.661+/-0.426 χ^2/NDF:678.5/21

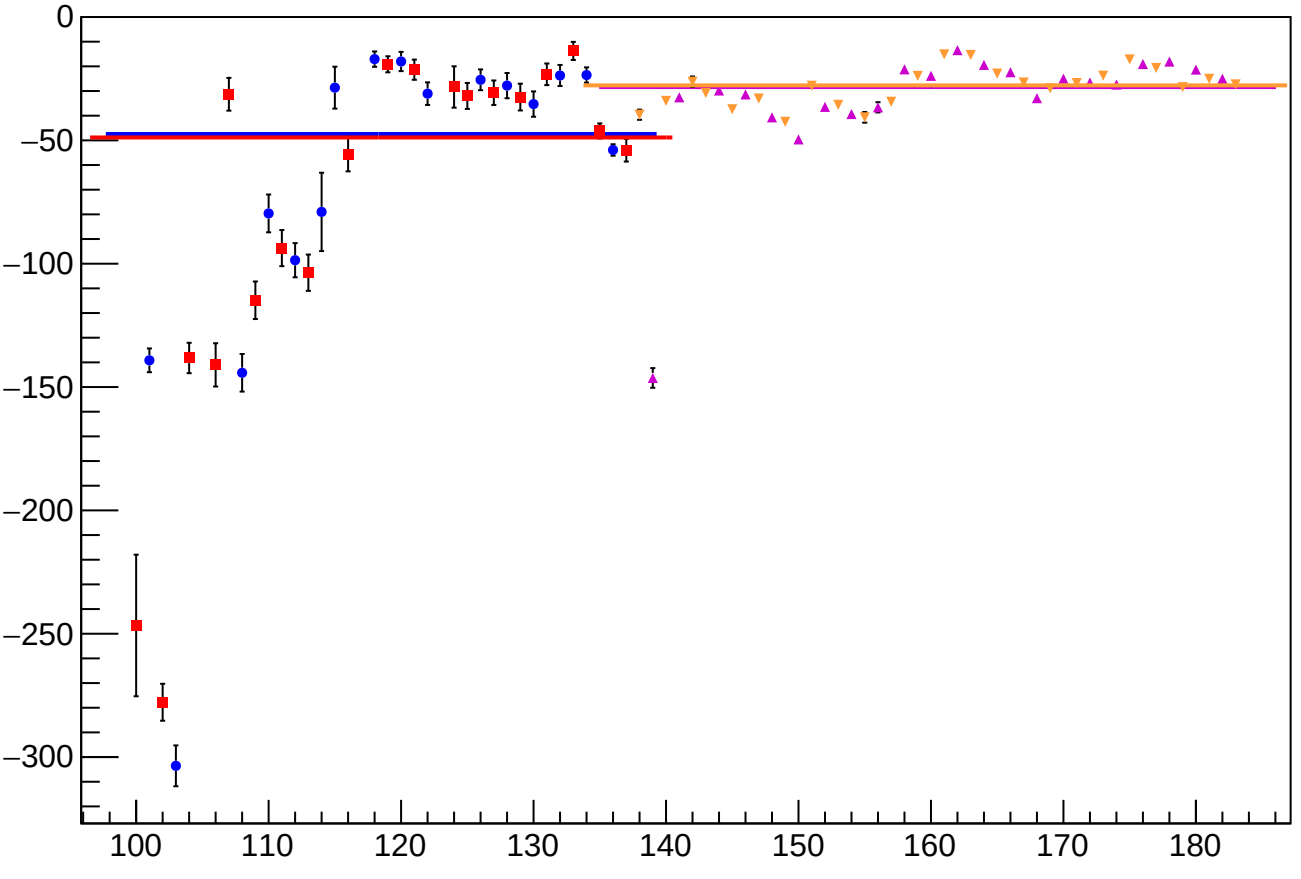
Left: -48.624+/-0.294 χ^2/NDF: 1264.5/45

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -44.532+/-0.397 χ^2/NDF:1253.2/37

Out: -47.050+/-0.383 χ^2/NDF:1309.5/42

All: -45.835+/-0.276 χ^2/NDF: 2583.5/80



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -27.709+/-0.324 χ^2/NDF:468.2/23

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -28.405+/-0.338 χ^2/NDF:1468.3/21

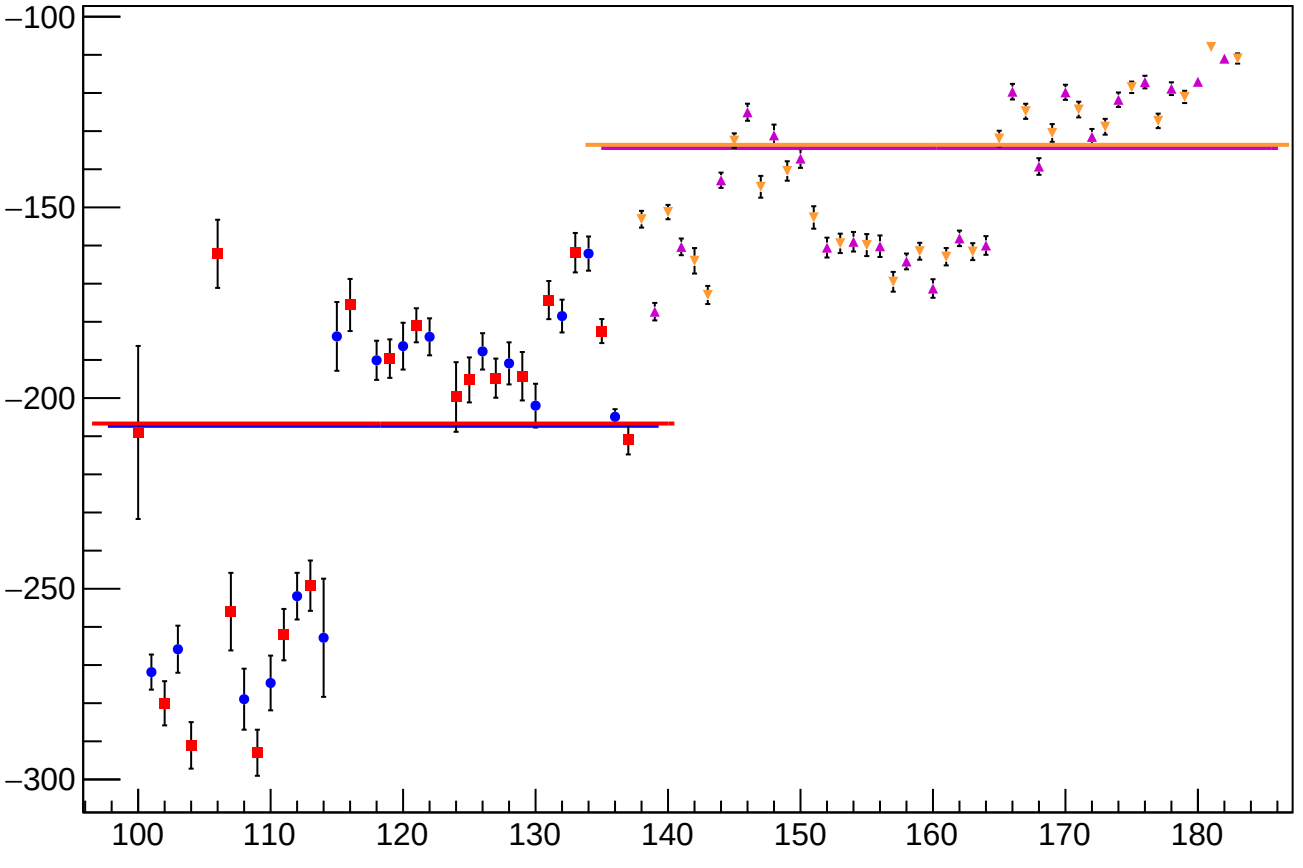
Left: -28.043+/-0.234 χ^2/NDF: 1938.7/45

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -30.042+/-0.323 χ^2/NDF:3614.5/37

Out: -29.187+/-0.313 χ^2/NDF:2539.6/42

All: -29.601+/-0.225 χ^2/NDF: 6157.7/80



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -133.590+/-0.407 χ^2/NDF:2476.2/23

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -134.418+/-0.424 χ^2/NDF:2372.4/21

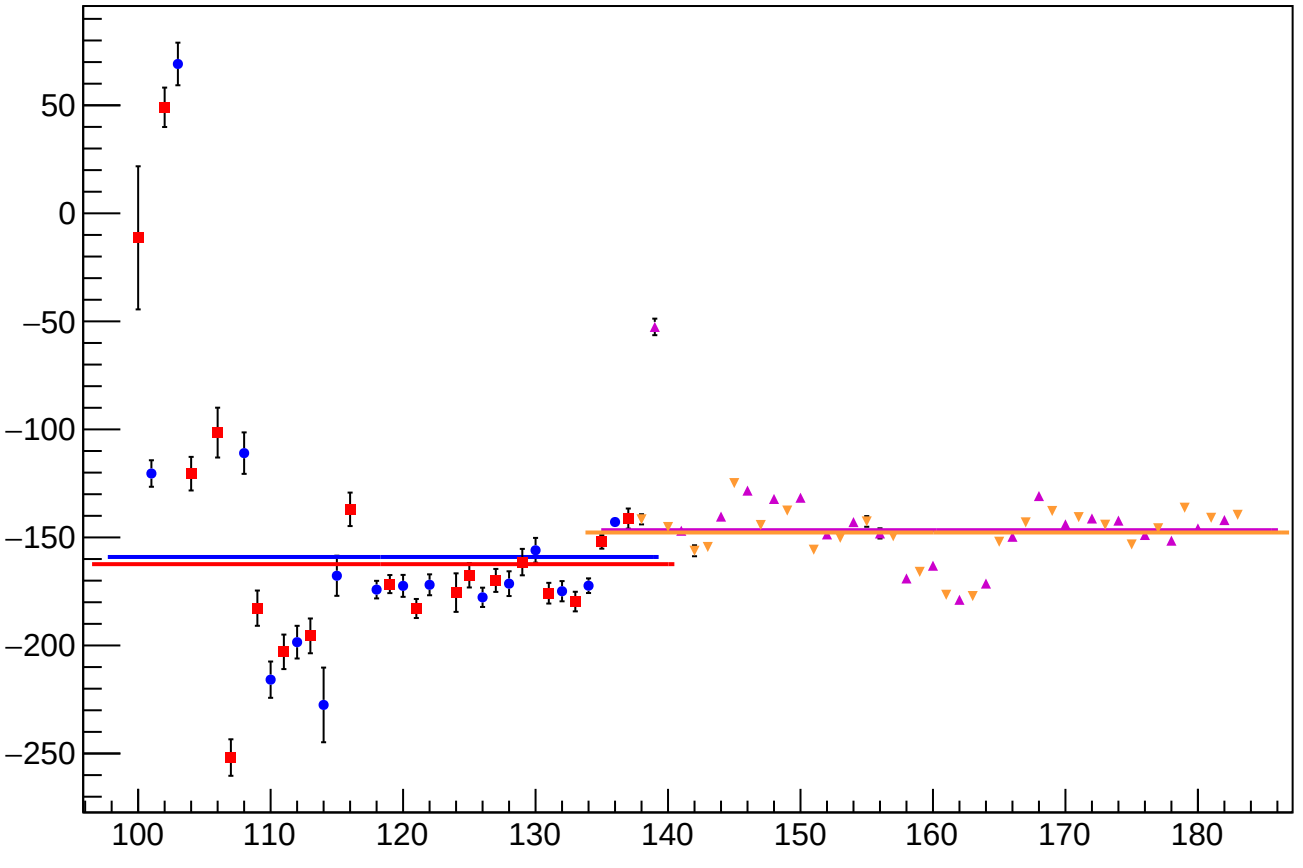
Left: -133.987+/-0.294 χ^2/NDF: 4850.6/45

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -142.774+/-0.399 χ^2/NDF:6504.5/37

Out: -140.313+/-0.388 χ^2/NDF:6408.2/42

All: -141.509+/-0.278 χ^2/NDF: 12932.3/80



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -147.715+/-0.362 χ^2/NDF:1139.9/23

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -146.649+/-0.376 χ^2/NDF:1734.9/21

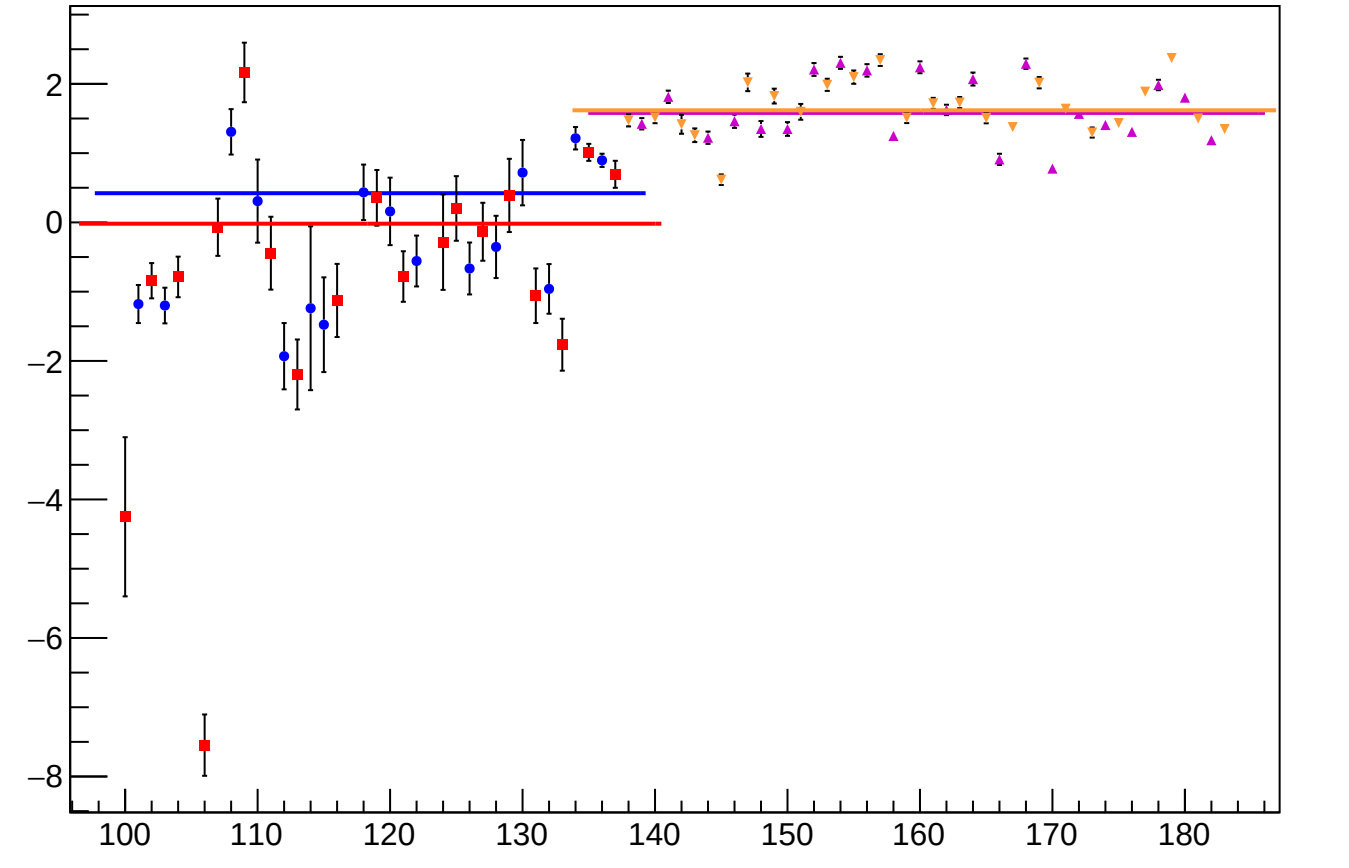
Left: -147.202+/-0.261 χ^2/NDF: 2879.0/45

Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -147.715+/-0.359 χ^2/NDF:2644.3/37

Out: -148.734+/-0.349 χ^2/NDF:2126.4/42

All: -148.239+/-0.250 χ^2/NDF: 4774.8/80



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.618+/-0.016 χ^2/NDF:541.6/23

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.581+/-0.017 χ^2/NDF:712.5/21

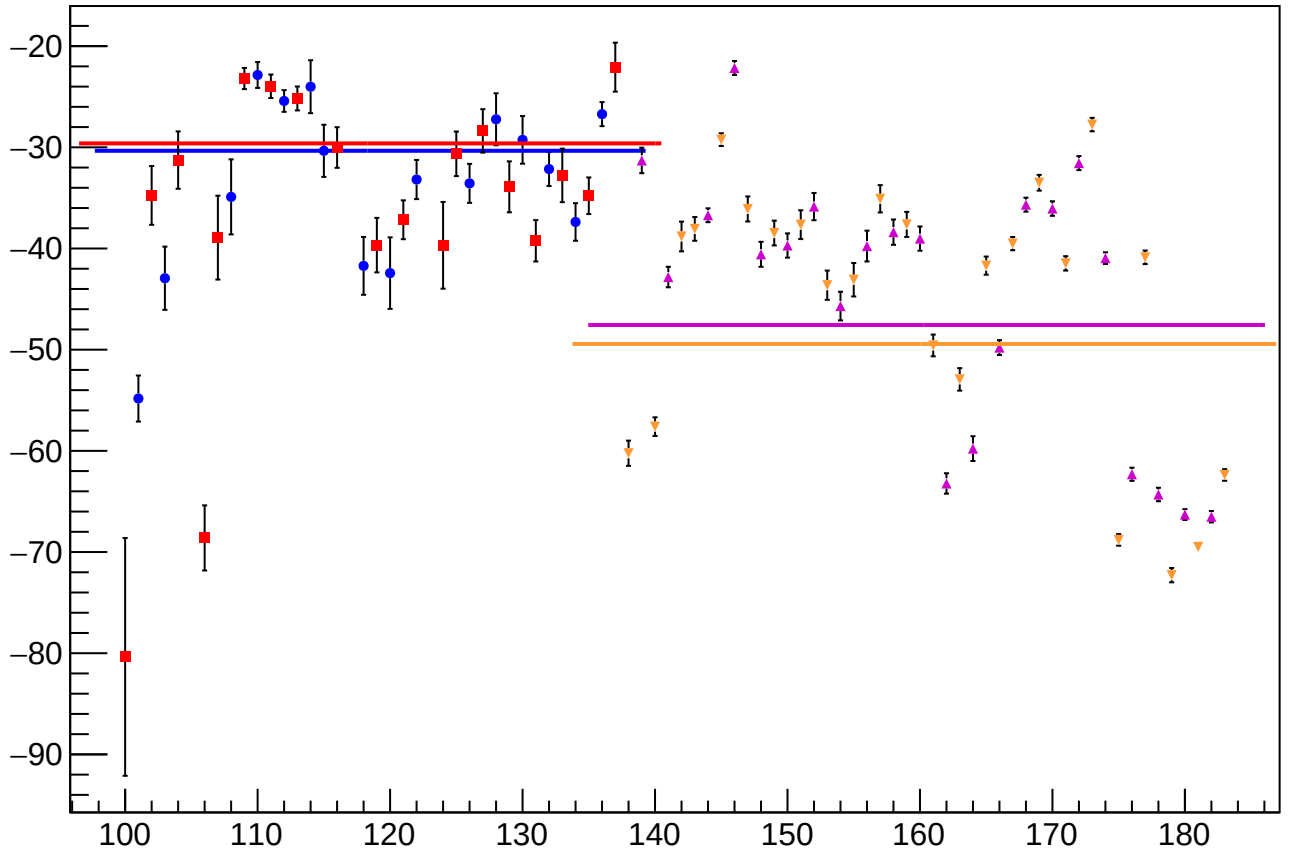
Left: 1.600+/-0.012 χ^2/NDF: 1256.8/45

Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.509+/-0.016 χ^2/NDF:1210.4/37

Out: 1.540+/-0.016 χ^2/NDF:1517.8/42

All: 1.525+/-0.011 χ^2/NDF: 2730.0/80



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -49.437+/-0.169 χ^2/NDF:8326.3/23

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

Left In: -47.562+/-0.172 χ^2/NDF:7124.4/21

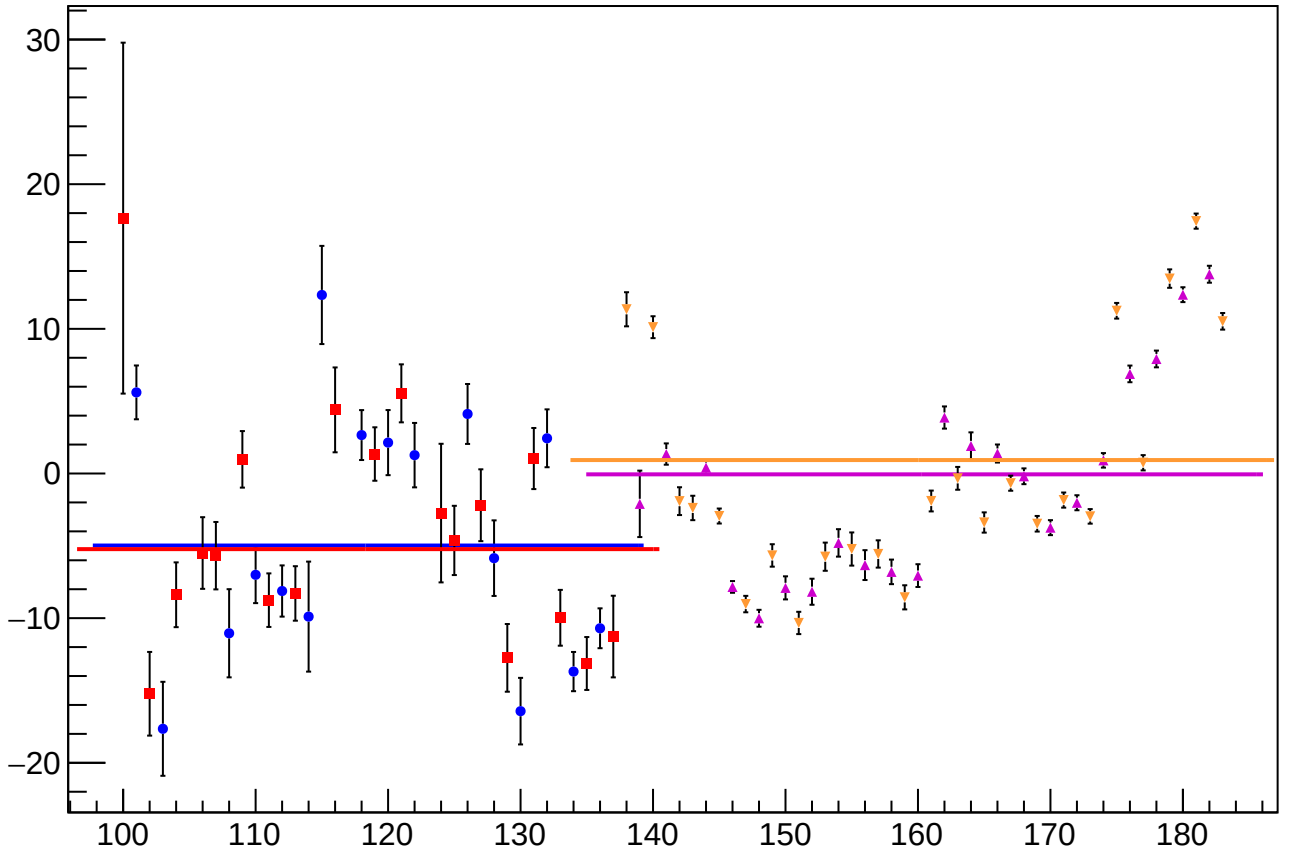
Left: -48.517+/-0.120 χ^2/NDF: 15511.3/45

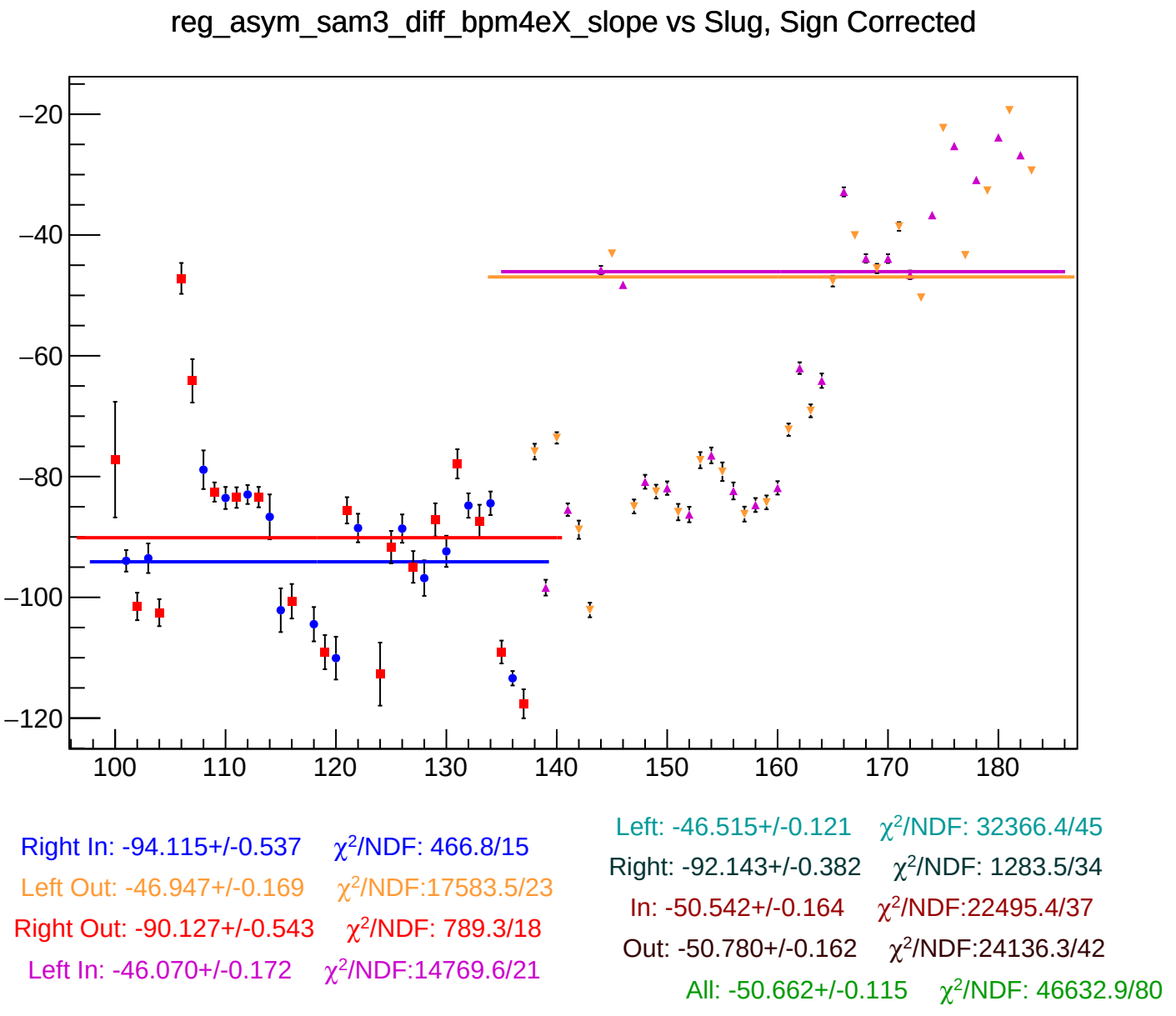
Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

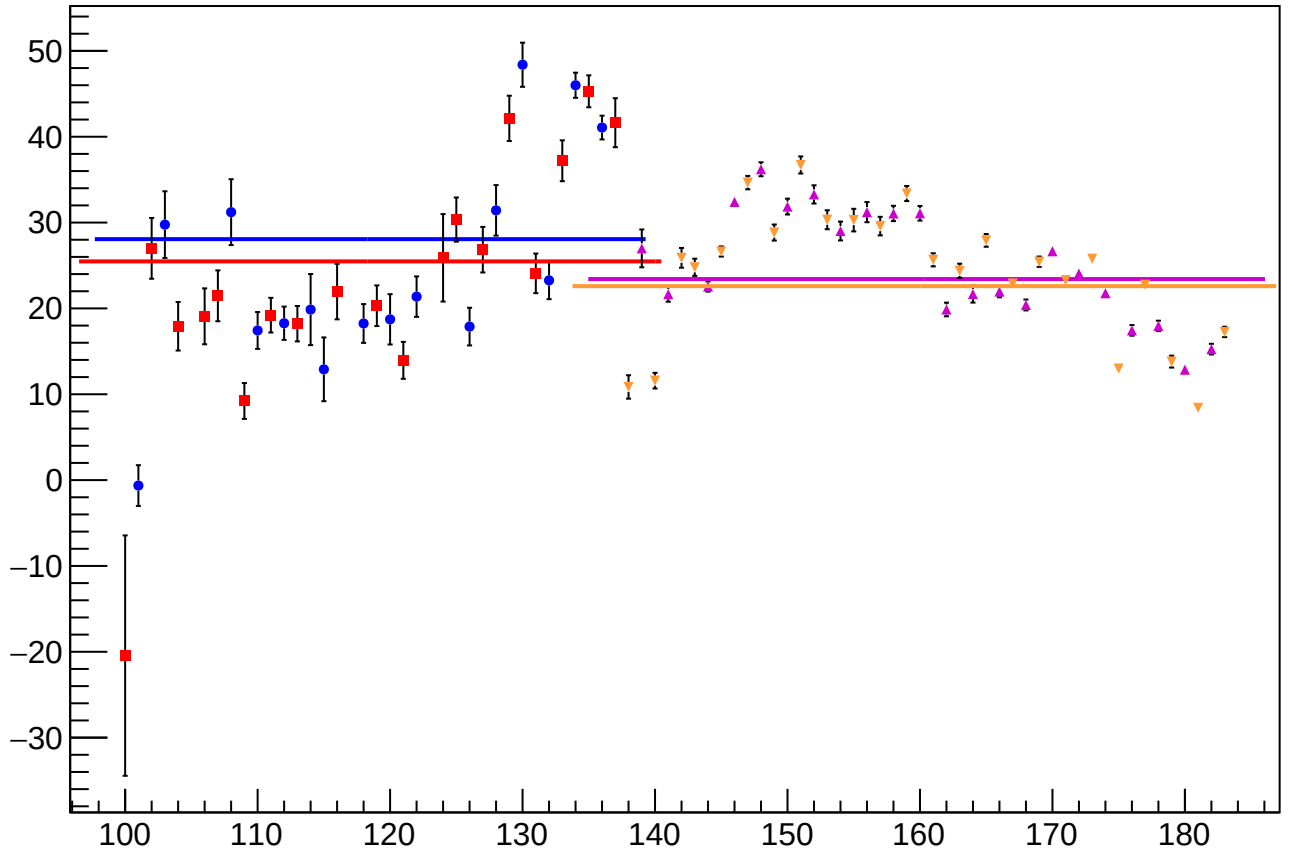
In: -45.512+/-0.161 χ^2/NDF:8571.6/37

Out: -46.996+/-0.158 χ^2/NDF:10353.8/42

All: -46.270+/-0.113 χ^2/NDF: 18968.6/80


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: -4.980+/-0.510 χ²/NDF: 237.3/15
Left Out: 0.929+/-0.134 χ²/NDF:3395.5/23
Right Out: -5.228+/-0.524 χ²/NDF: 136.5/18
Left In: -0.058+/-0.134 χ²/NDF:2629.9/21
Left: 0.436+/-0.095 χ²/NDF: 6052.7/45
Right: -5.100+/-0.365 χ²/NDF: 373.9/34
In: -0.376+/-0.130 χ²/NDF:2954.5/37
Out: 0.552+/-0.130 χ²/NDF:3661.8/42
All: 0.088+/-0.092 χ²/NDF: 6642.0/80


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
Right In: -94.115+/-0.537 χ²/NDF: 466.8/15
Left Out: -46.947+/-0.169 χ²/NDF:17583.5/23
Right Out: -90.127+/-0.543 χ²/NDF: 789.3/18
Left In: -46.070+/-0.172 χ²/NDF:14769.6/21
Left: -46.515+/-0.121 χ²/NDF: 32366.4/45
Right: -92.143+/-0.382 χ²/NDF: 1283.5/34
In: -50.542+/-0.164 χ²/NDF:22495.4/37
Out: -50.780+/-0.162 χ²/NDF:24136.3/42
All: -50.662+/-0.115 χ²/NDF: 46632.9/80



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 22.594+/-0.149 χ^2/NDF:2343.3/23

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 23.420+/-0.150 χ^2/NDF:1777.7/21

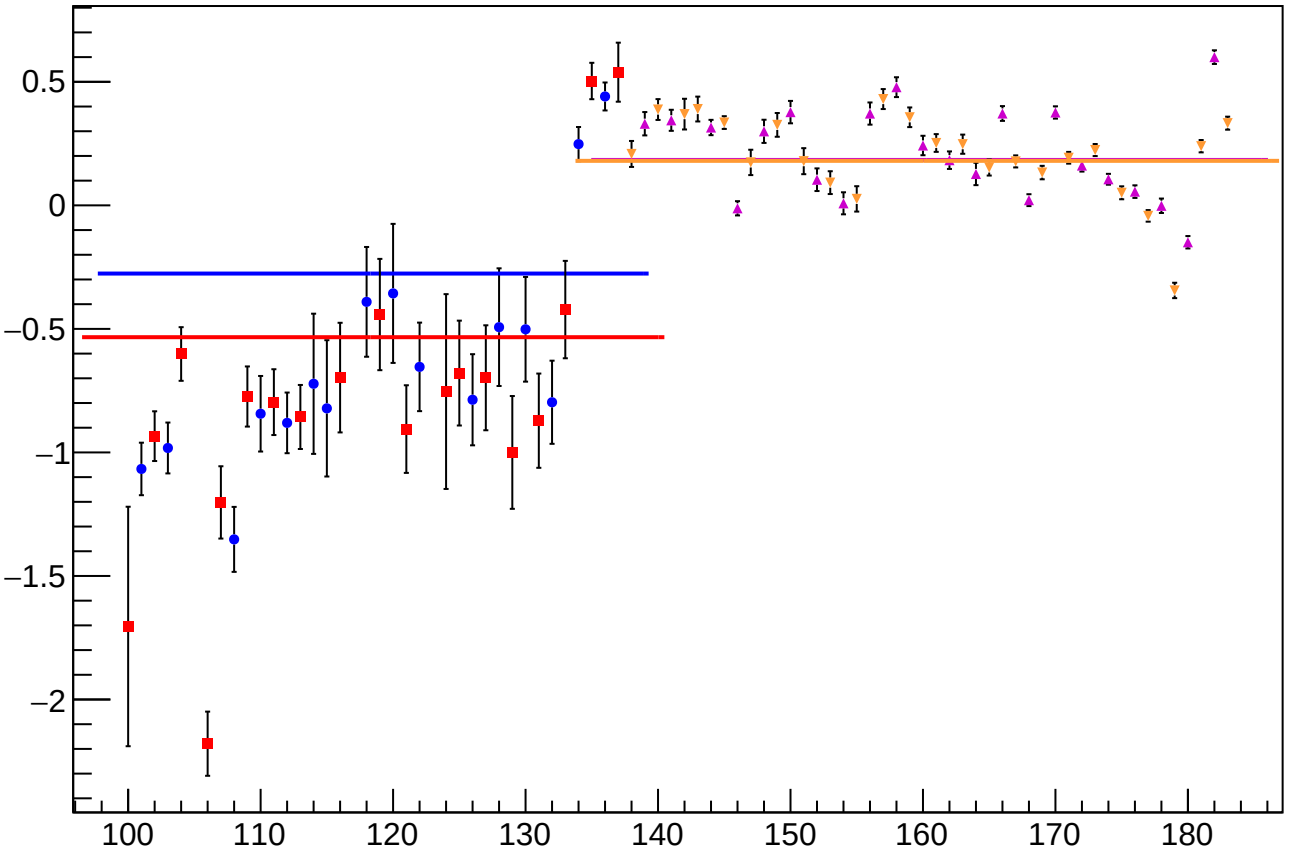
Left: 23.004+/-0.106 χ^2/NDF: 4136.3/45

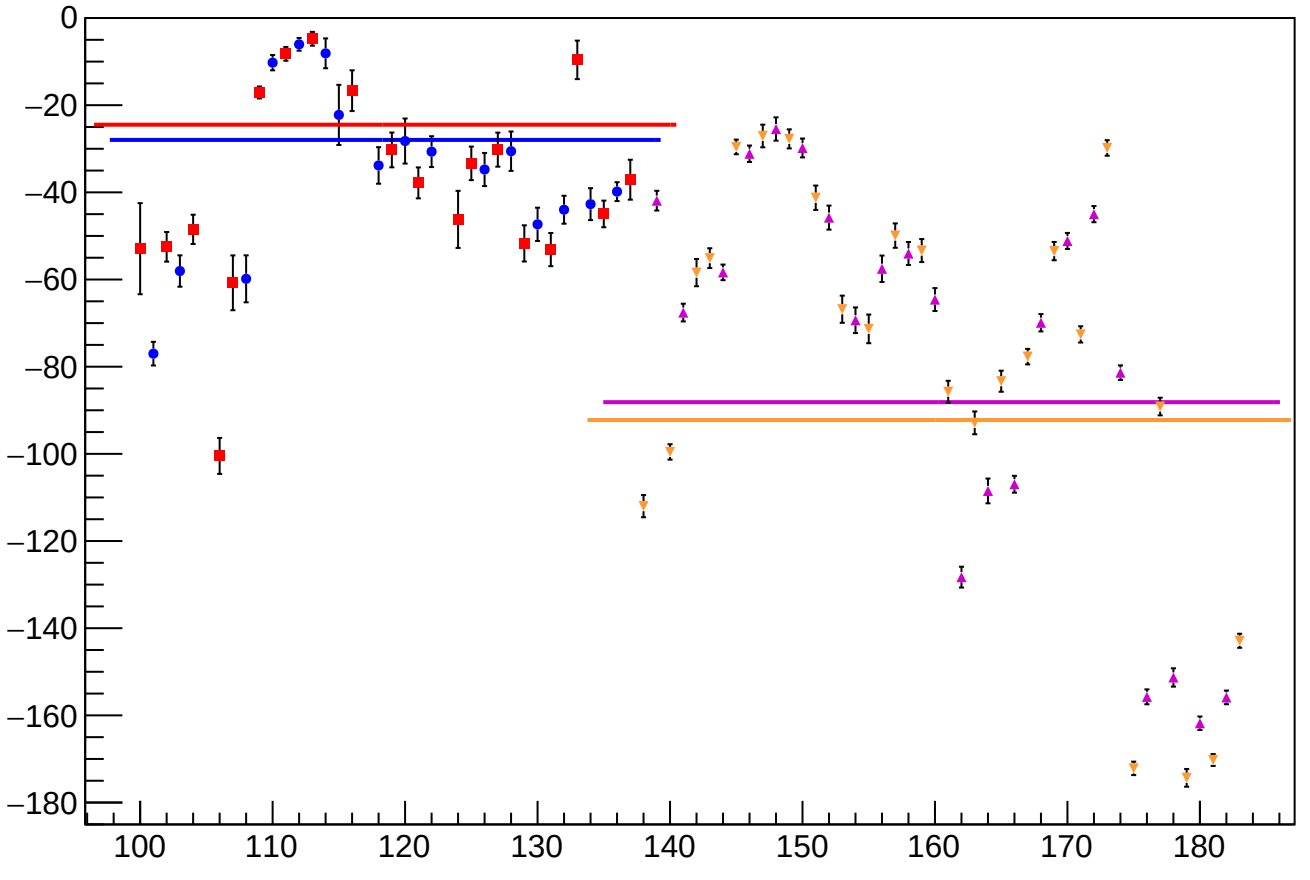
Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 23.723+/-0.145 χ^2/NDF:2423.3/37

Out: 22.767+/-0.144 χ^2/NDF:2720.3/42

All: 23.243+/-0.102 χ^2/NDF: 5165.4/80


reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
180
Right In: -0.276+/-0.031 χ²/NDF: 455.6/15
Left Out: 0.180+/-0.007 χ²/NDF:618.4/23
Right Out: -0.534+/-0.033 χ²/NDF: 510.3/18
Left In: 0.184+/-0.007 χ²/NDF:831.4/21
Left: 0.182+/-0.005 χ²/NDF: 1449.9/45
Right: -0.396+/-0.022 χ²/NDF: 998.8/34
In: 0.163+/-0.007 χ²/NDF:1501.8/37
Out: 0.152+/-0.007 χ²/NDF:1582.1/42
All: 0.157+/-0.005 χ²/NDF: 3085.3/80



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -92.236+/-0.426 χ^2/NDF:14552.0/23

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -88.134+/-0.439 χ^2/NDF:11681.9/21

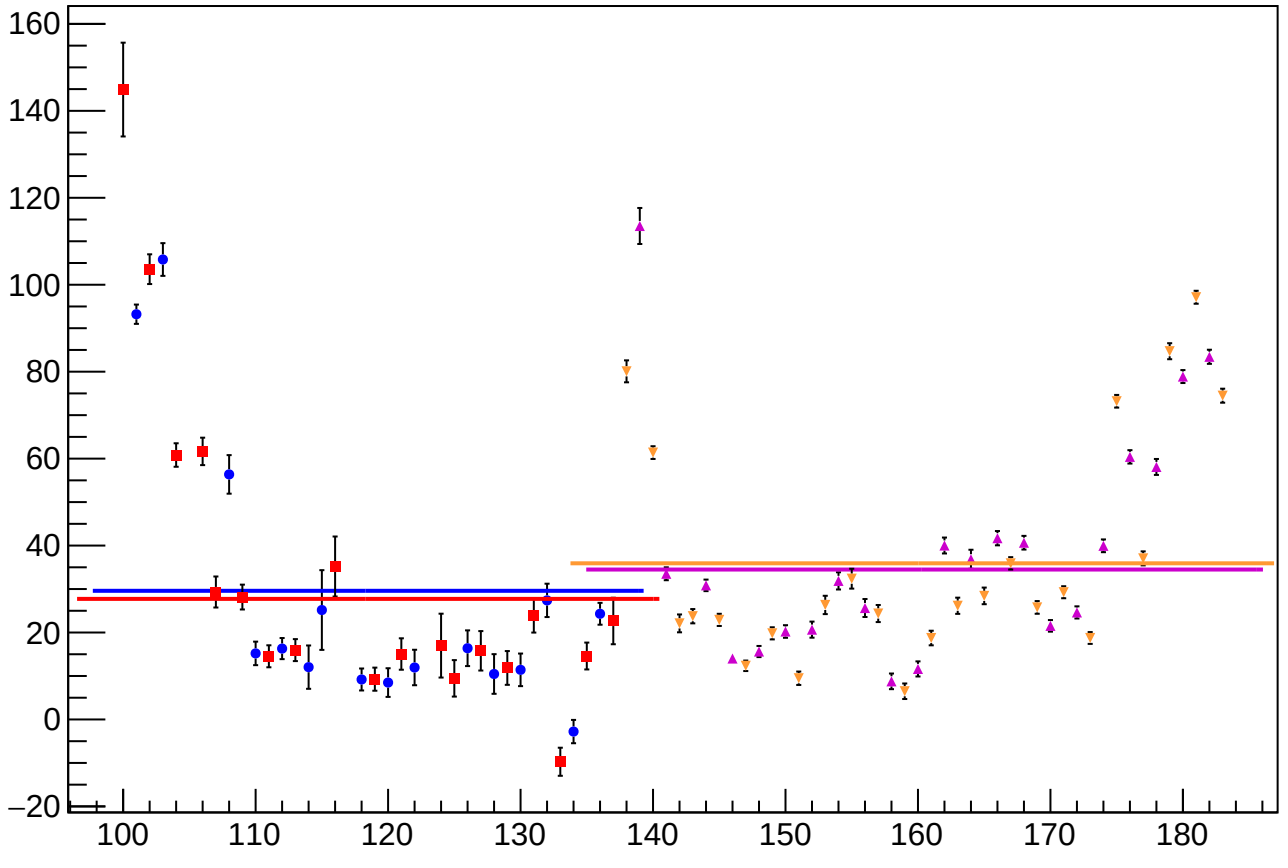
Left: -90.251+/-0.306 χ^2/NDF: 26278.9/45

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -72.056+/-0.376 χ^2/NDF:17587.5/37

Out: -72.464+/-0.358 χ^2/NDF:22939.9/42

All: -72.270+/-0.259 χ^2/NDF: 40528.0/80



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 35.919+/-0.328 χ^2/NDF:5919.7/23

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 34.485+/-0.339 χ^2/NDF:3906.0/21

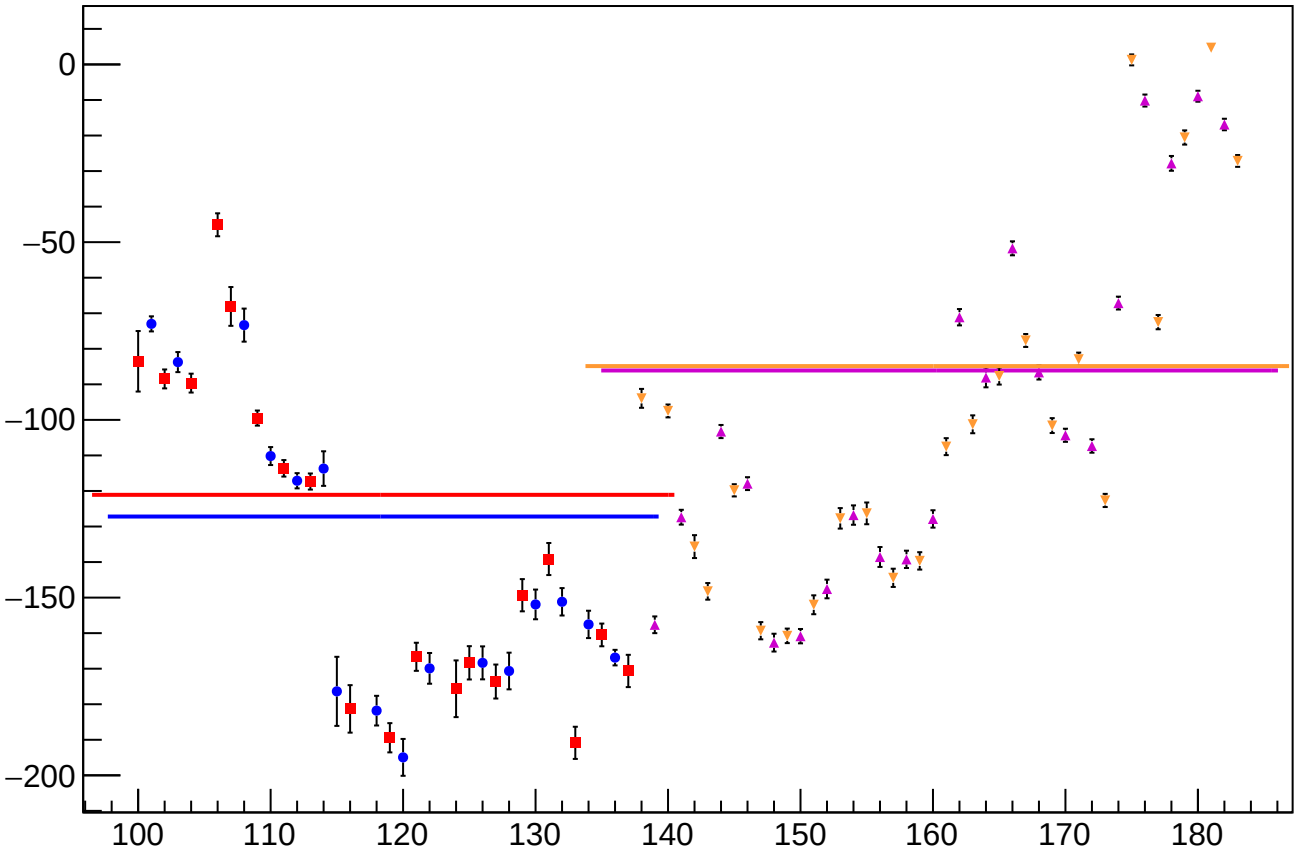
Left: 35.224+/-0.236 χ^2/NDF: 9834.9/45

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 33.752+/-0.312 χ^2/NDF:5602.9/37

Out: 34.731+/-0.304 χ^2/NDF:7194.9/42

All: 34.255+/-0.218 χ^2/NDF: 12802.8/80



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -84.867+/-0.425 χ^2/NDF:15867.6/23

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -86.098+/-0.437 χ^2/NDF:13719.1/21

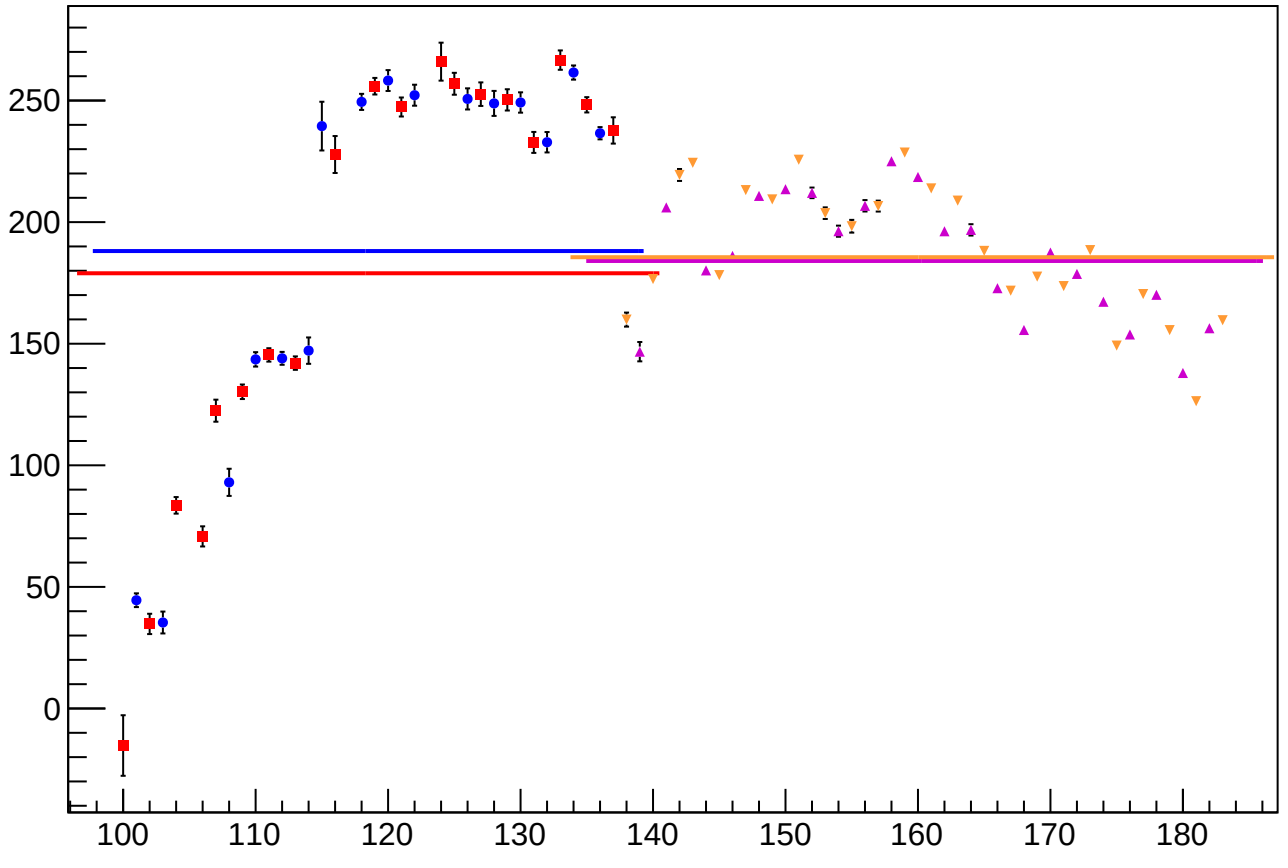
Left: -85.465+/-0.305 χ^2/NDF: 29590.7/45

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -95.026+/-0.387 χ^2/NDF:17818.8/37

Out: -92.868+/-0.375 χ^2/NDF:19871.1/42

All: -93.914+/-0.269 χ^2/NDF: 37705.9/80



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 185.572+/-0.370 χ^2/NDF:5354.6/23

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 184.027+/-0.381 χ^2/NDF:3870.2/21

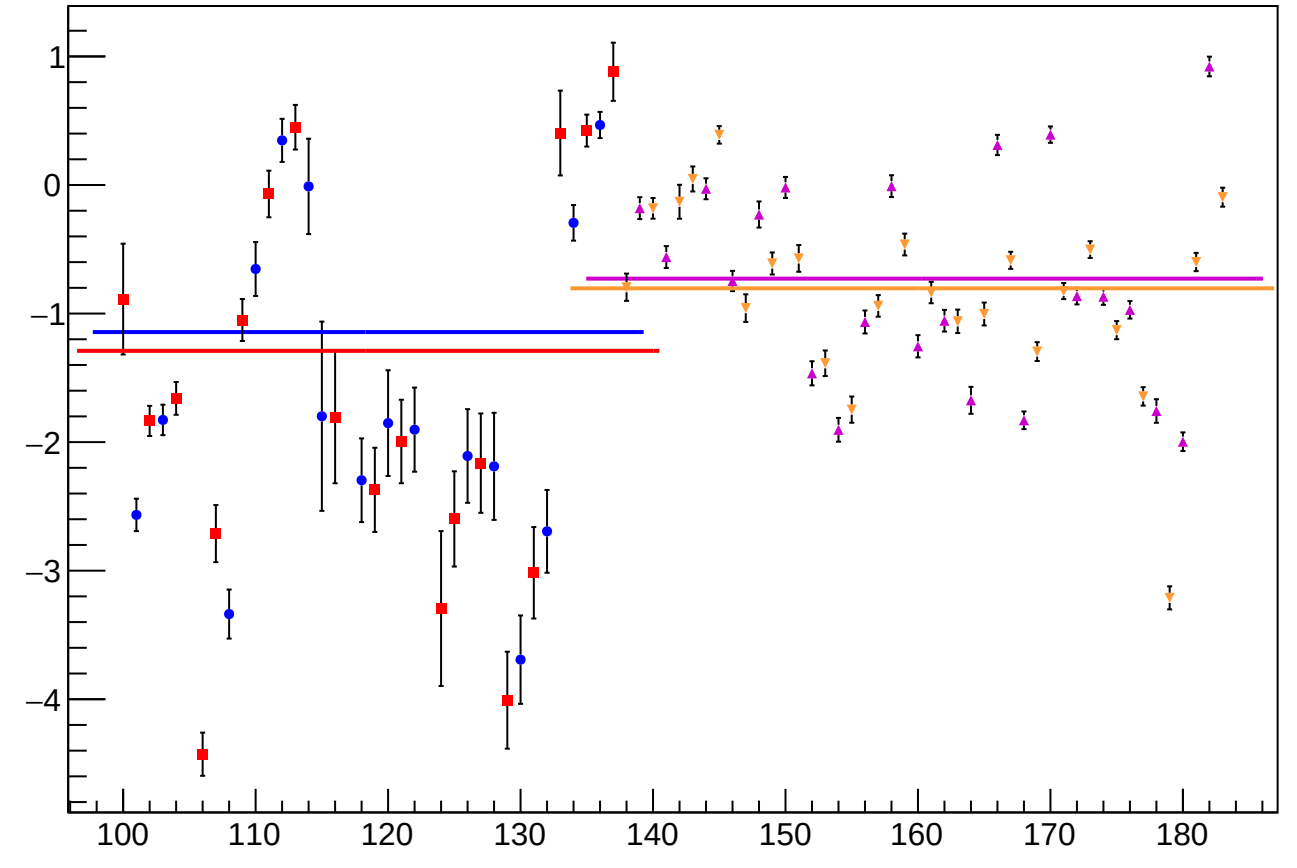
Left: 184.821+/-0.265 χ^2/NDF: 9233.3/45

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 184.626+/-0.352 χ^2/NDF:11005.7/37

Out: 184.631+/-0.343 χ^2/NDF:12068.7/42

All: 184.629+/-0.245 χ^2/NDF: 23074.5/80



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.804+/-0.017 χ^2/NDF:1690.0/23

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.728+/-0.017 χ^2/NDF:2318.5/21

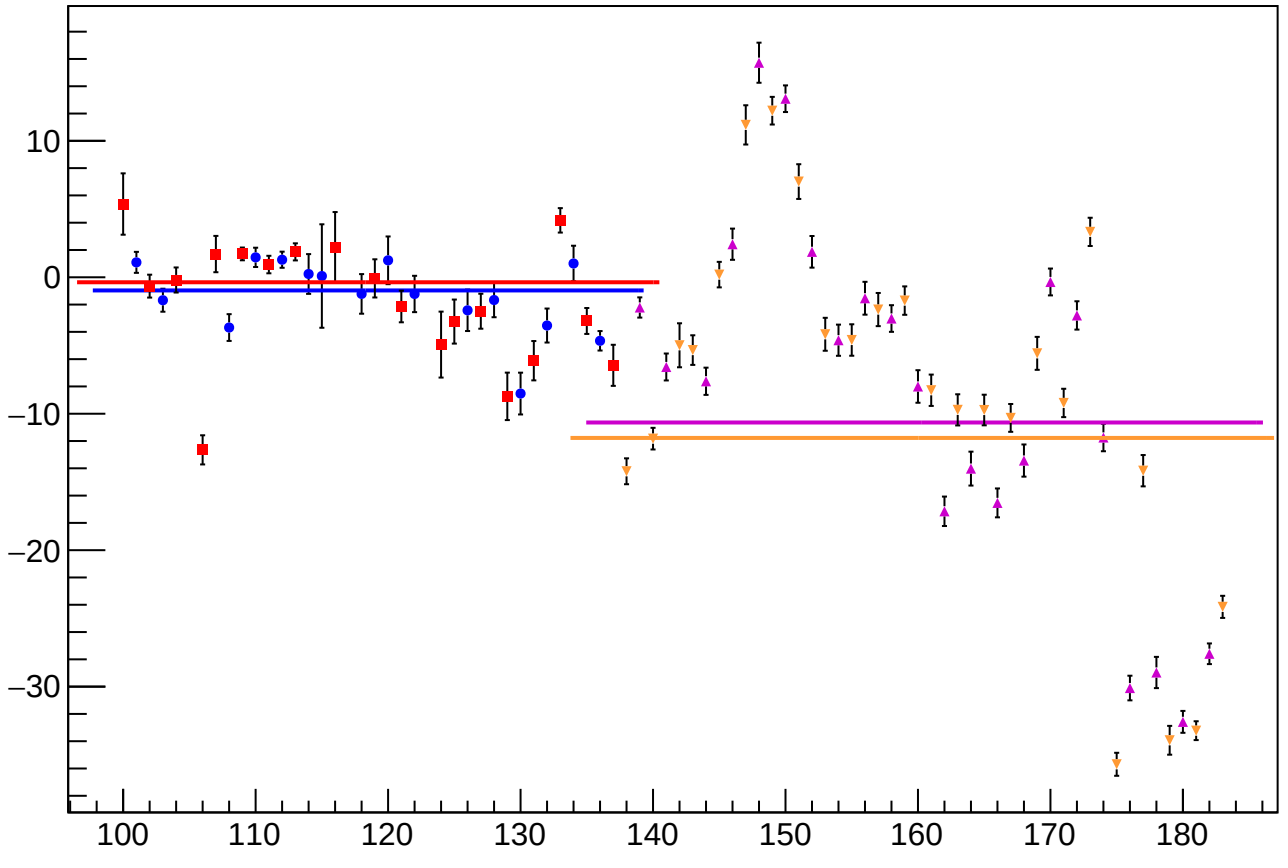
Left: -0.767+/-0.012 χ^2/NDF: 4018.6/45

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.774+/-0.016 χ^2/NDF:3172.6/37

Out: -0.857+/-0.016 χ^2/NDF:2781.7/42

All: -0.816+/-0.011 χ^2/NDF: 5967.9/80



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -11.773+/-0.210 χ^2/NDF:4199.6/23

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -10.643+/-0.216 χ^2/NDF:3683.7/21

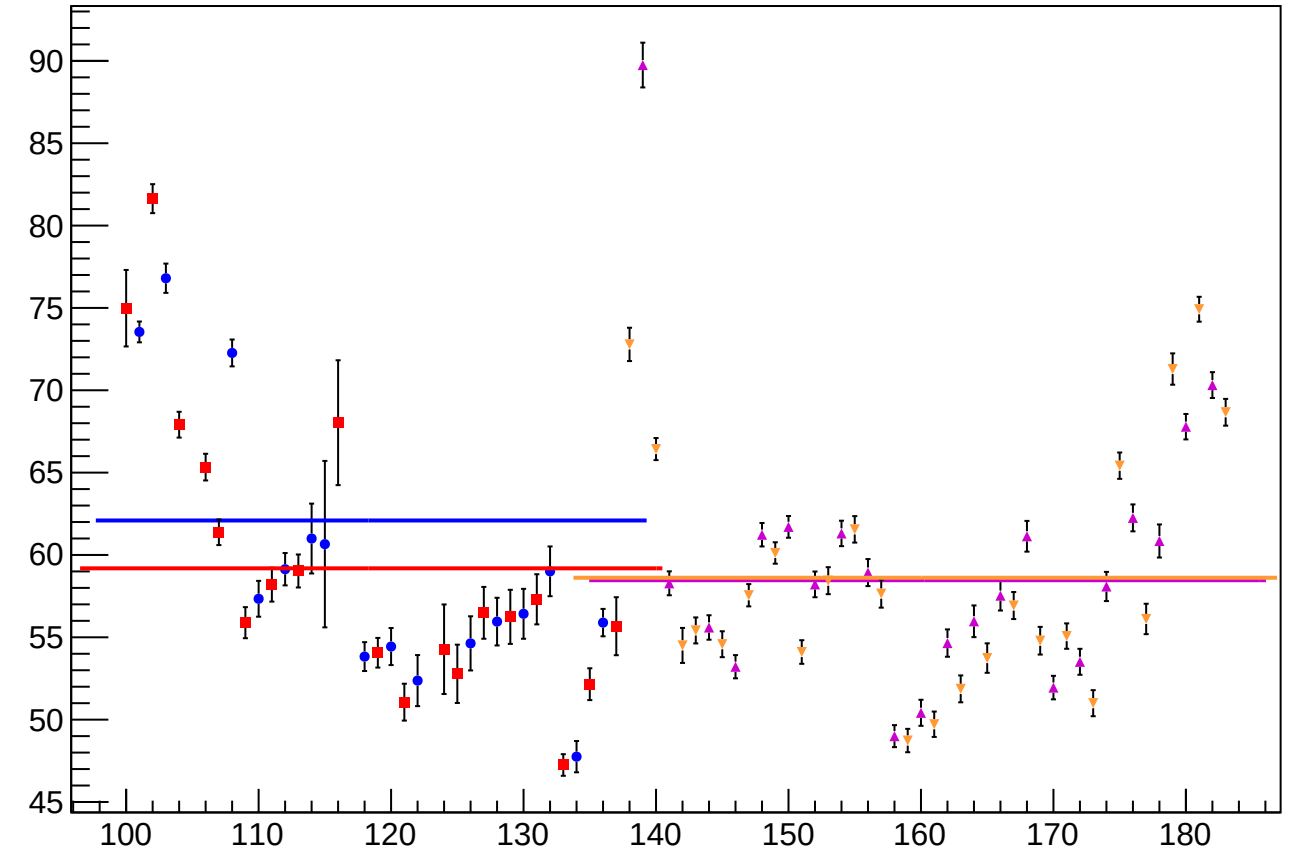
Left: -11.224+/-0.151 χ^2/NDF: 7897.4/45

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -6.565+/-0.164 χ^2/NDF:4632.6/37

Out: -6.433+/-0.153 χ^2/NDF:5863.2/42

All: -6.494+/-0.112 χ^2/NDF: 10496.1/80



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 58.616+/-0.162 χ^2/NDF:1891.4/23

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 58.467+/-0.170 χ^2/NDF:1518.4/21

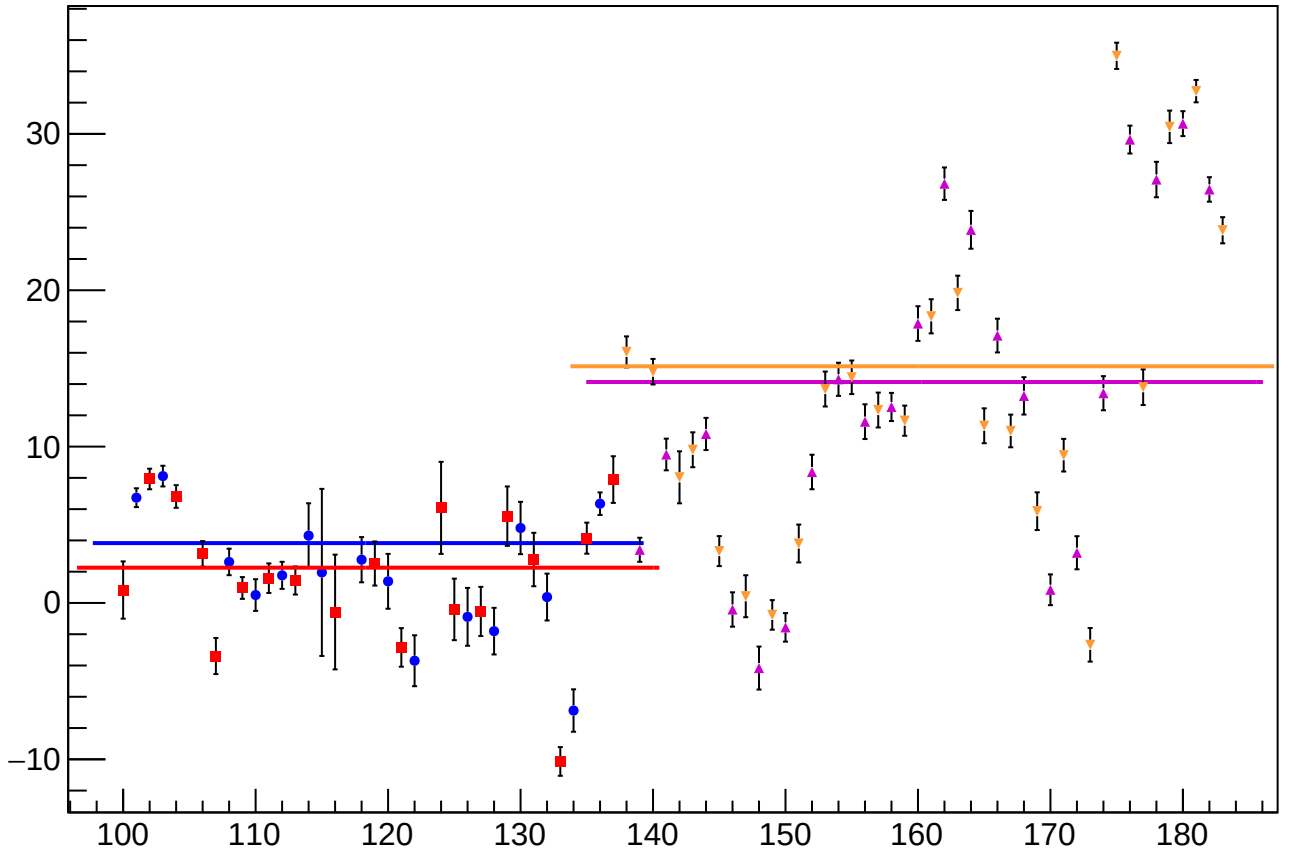
Left: 58.545+/-0.117 χ^2/NDF: 3410.2/45

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 59.520+/-0.143 χ^2/NDF:2952.2/37

Out: 58.792+/-0.135 χ^2/NDF:3297.3/42

All: 59.135+/-0.098 χ^2/NDF: 6263.2/80



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 15.138+/-0.208 χ^2/NDF:2611.6/23

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 14.132+/-0.214 χ^2/NDF:2541.0/21

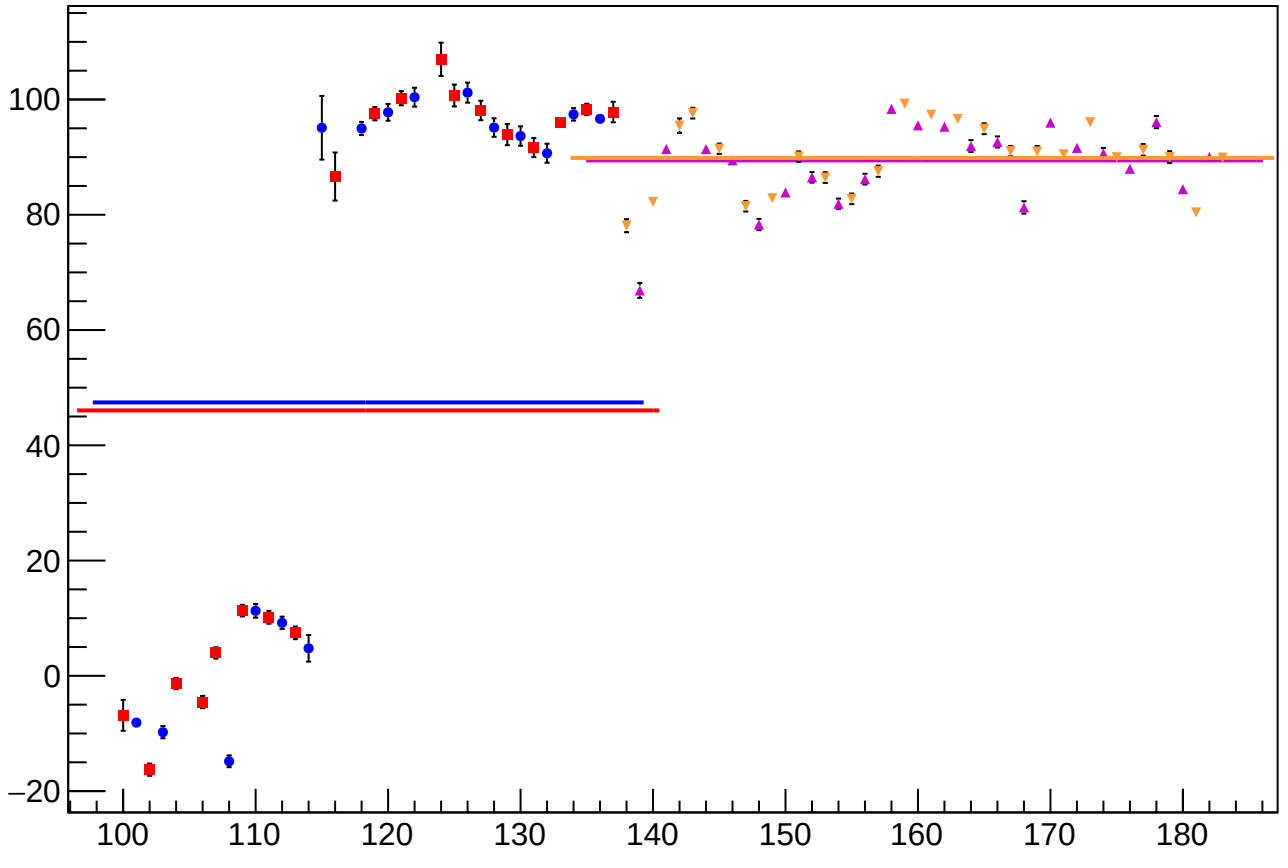
Left: 14.648+/-0.149 χ^2/NDF: 5164.0/45

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 10.078+/-0.166 χ^2/NDF:3664.7/37

Out: 9.767+/-0.159 χ^2/NDF:4576.2/42

All: 9.915+/-0.115 χ^2/NDF: 8242.7/80



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 89.859+/-0.183 χ^2/NDF:1064.9/23

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 89.438+/-0.189 χ^2/NDF:1078.8/21

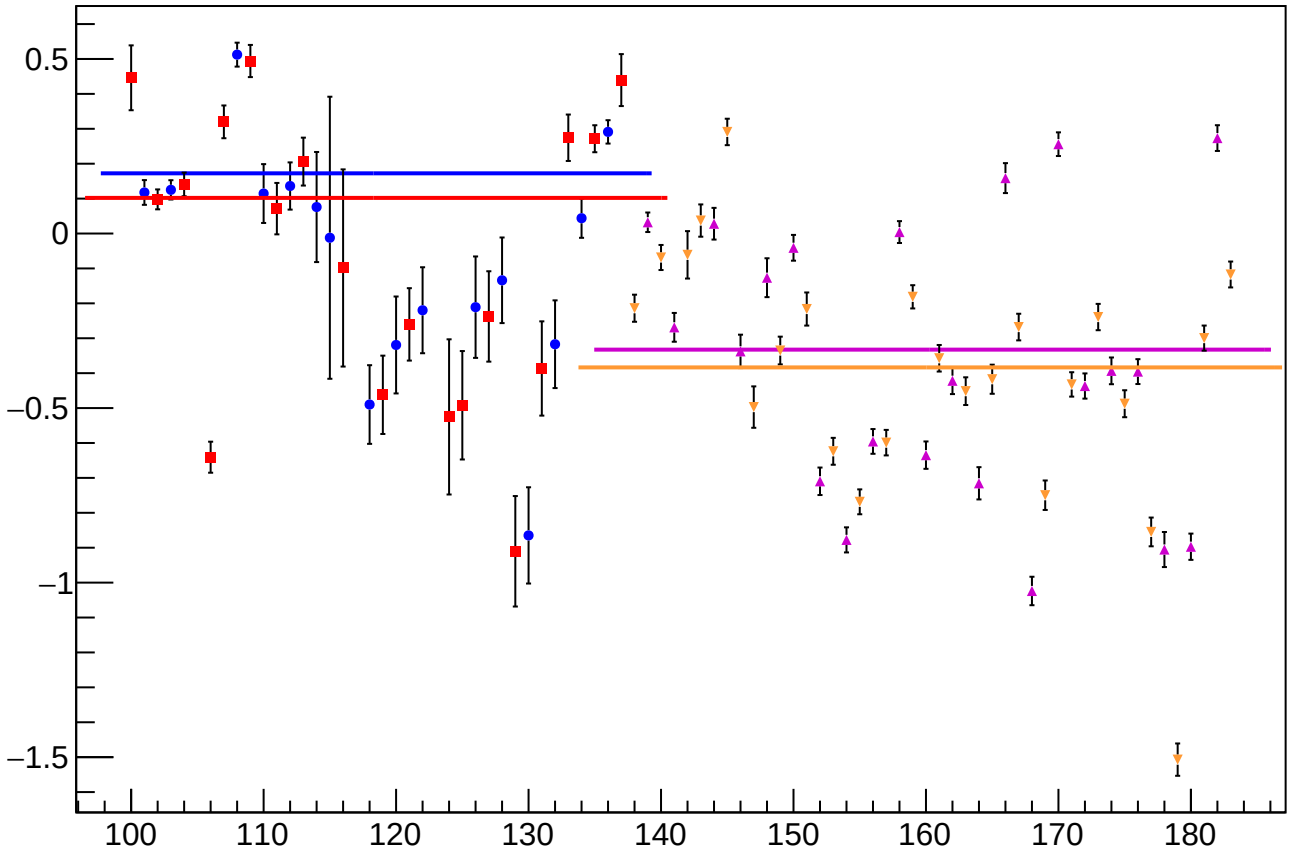
Left: 89.656+/-0.131 χ^2/NDF: 2146.2/45

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 77.931+/-0.161 χ^2/NDF:41457.3/37

Out: 77.079+/-0.154 χ^2/NDF:46762.1/42

All: 77.485+/-0.111 χ^2/NDF: 88234.1/80



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.384+/-0.008 χ^2/NDF:1652.4/23

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.333+/-0.008 χ^2/NDF:2297.2/21

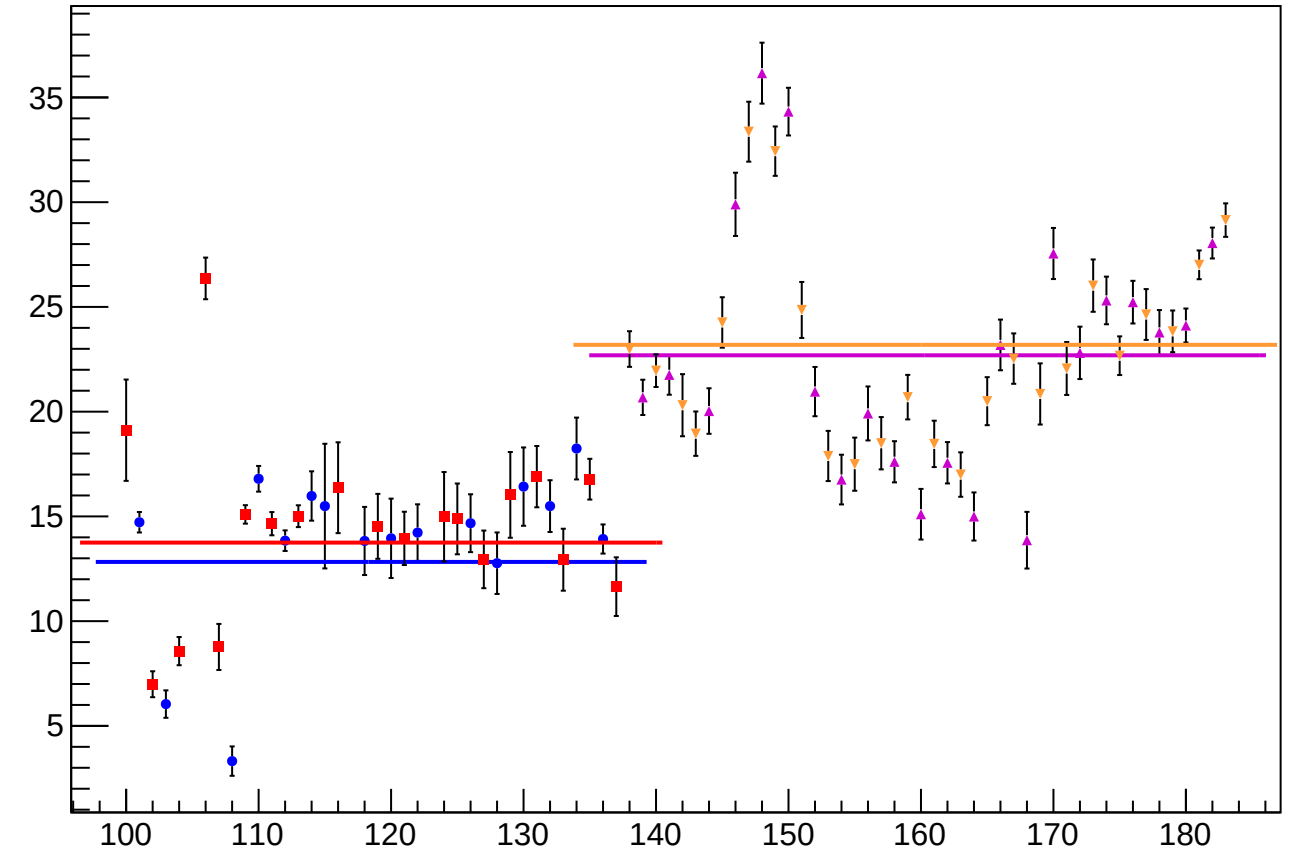
Left: -0.358+/-0.006 χ^2/NDF: 3969.2/45

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.206+/-0.007 χ^2/NDF:3517.4/37

Out: -0.254+/-0.007 χ^2/NDF:3166.6/42

All: -0.231+/-0.005 χ^2/NDF: 6707.1/80



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 23.190+/-0.218 χ^2/NDF:351.4/23

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 22.691+/-0.229 χ^2/NDF:522.4/21

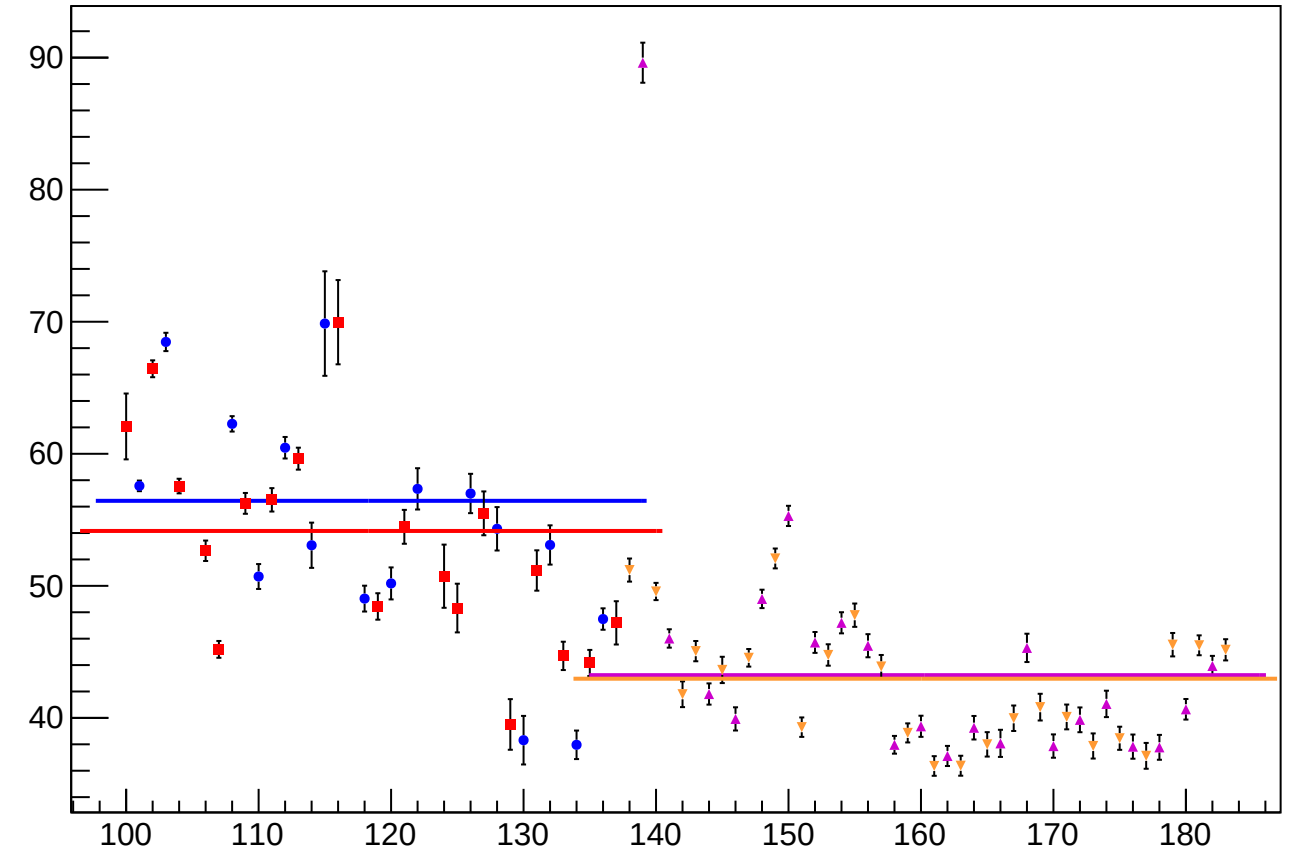
Left: 22.953+/-0.158 χ^2/NDF: 876.3/45

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 17.431+/-0.156 χ^2/NDF:1901.6/37

Out: 18.169+/-0.149 χ^2/NDF:1756.5/42

All: 17.818+/-0.108 χ^2/NDF: 3669.8/80



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 42.968+/-0.168 χ^2/NDF:770.7/23

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 43.238+/-0.179 χ^2/NDF:1659.3/21

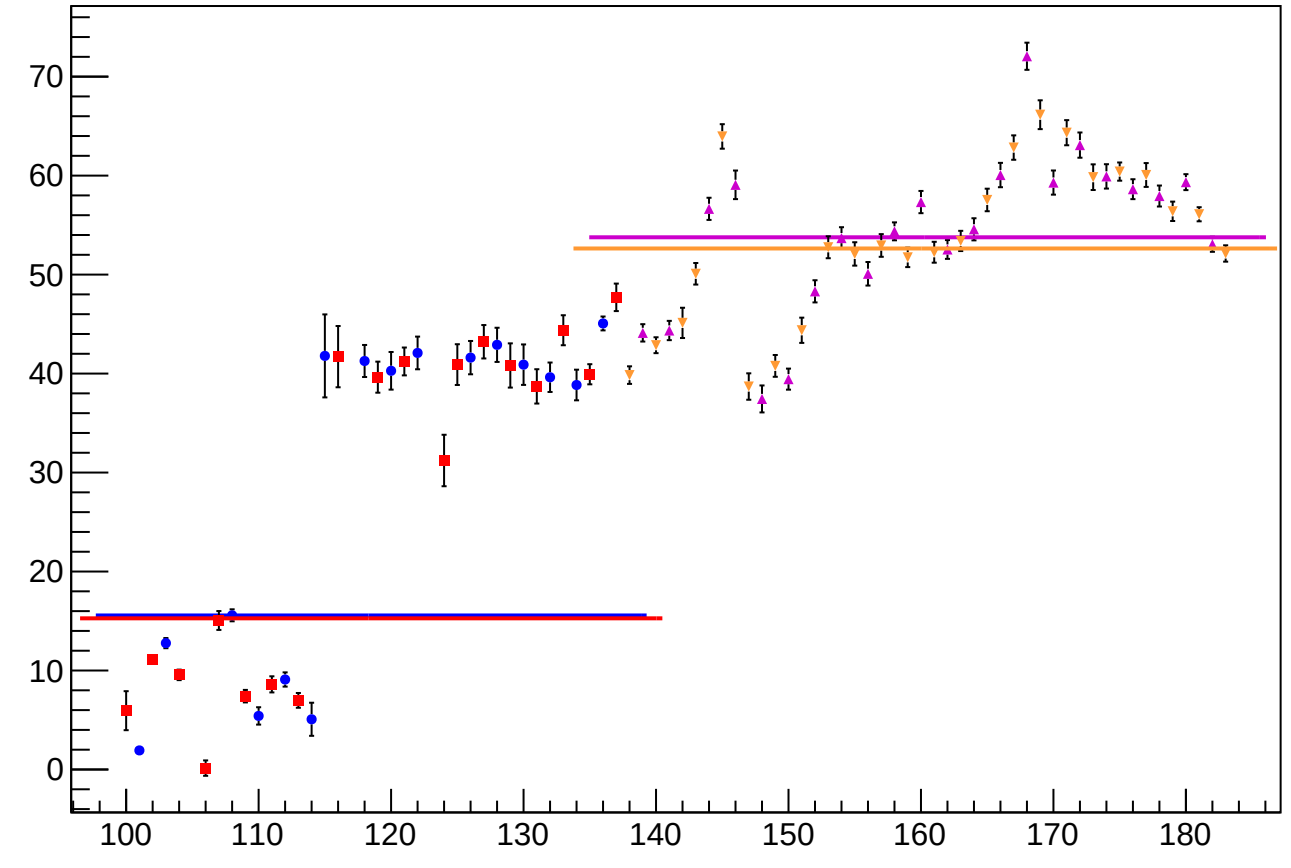
Left: 43.094+/-0.123 χ^2/NDF: 2431.2/45

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 48.438+/-0.139 χ^2/NDF:4893.6/37

Out: 46.996+/-0.135 χ^2/NDF:3366.5/42

All: 47.693+/-0.097 χ^2/NDF: 8315.4/80



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 52.638+/-0.216 χ^2/NDF:1175.1/23

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 53.769+/-0.226 χ^2/NDF:996.5/21

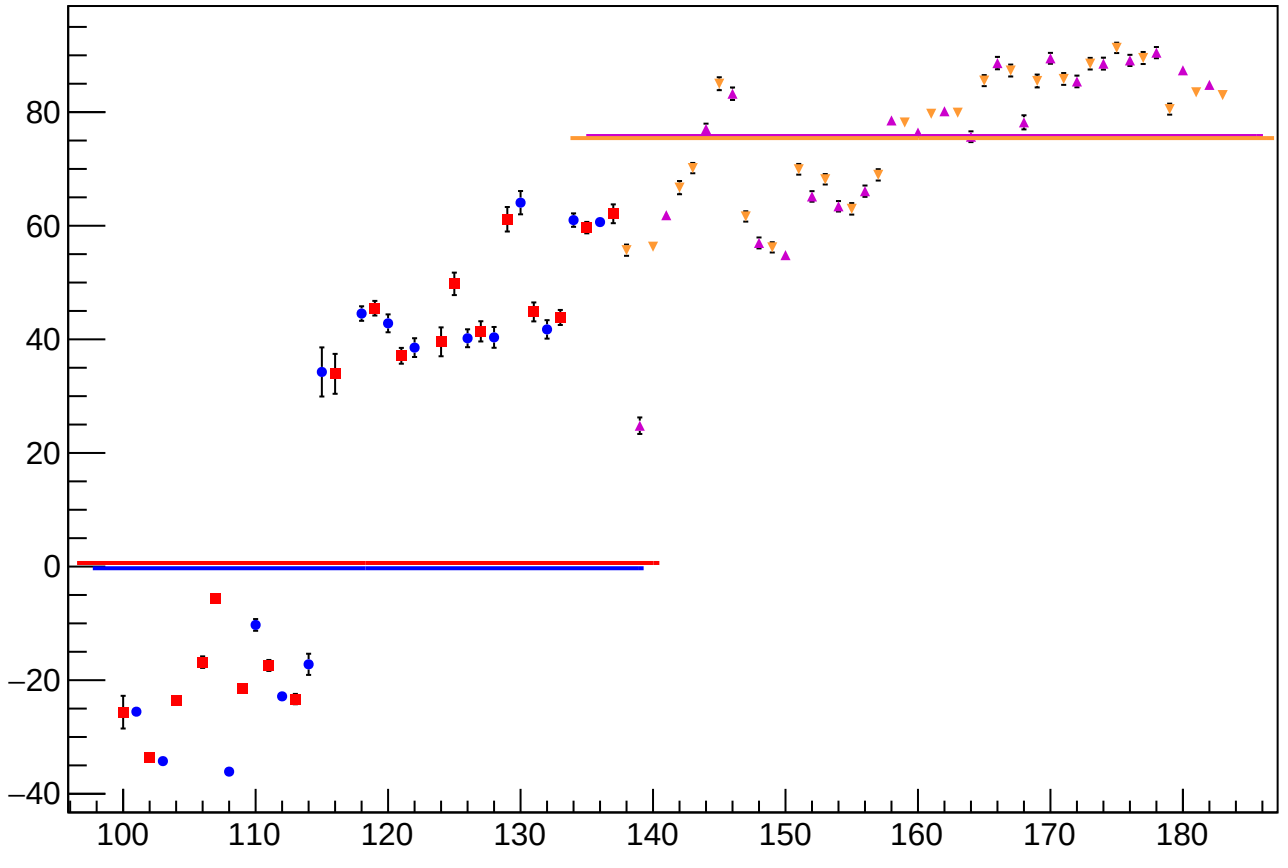
Left: 53.178+/-0.156 χ^2/NDF: 2184.7/45

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 33.624+/-0.155 χ^2/NDF:21244.0/37

Out: 34.208+/-0.154 χ^2/NDF:19782.7/42

All: 33.919+/-0.109 χ^2/NDF: 41033.8/80



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 75.428+/-0.190 χ^2/NDF:3468.2/23

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 75.795+/-0.199 χ^2/NDF:4262.9/21

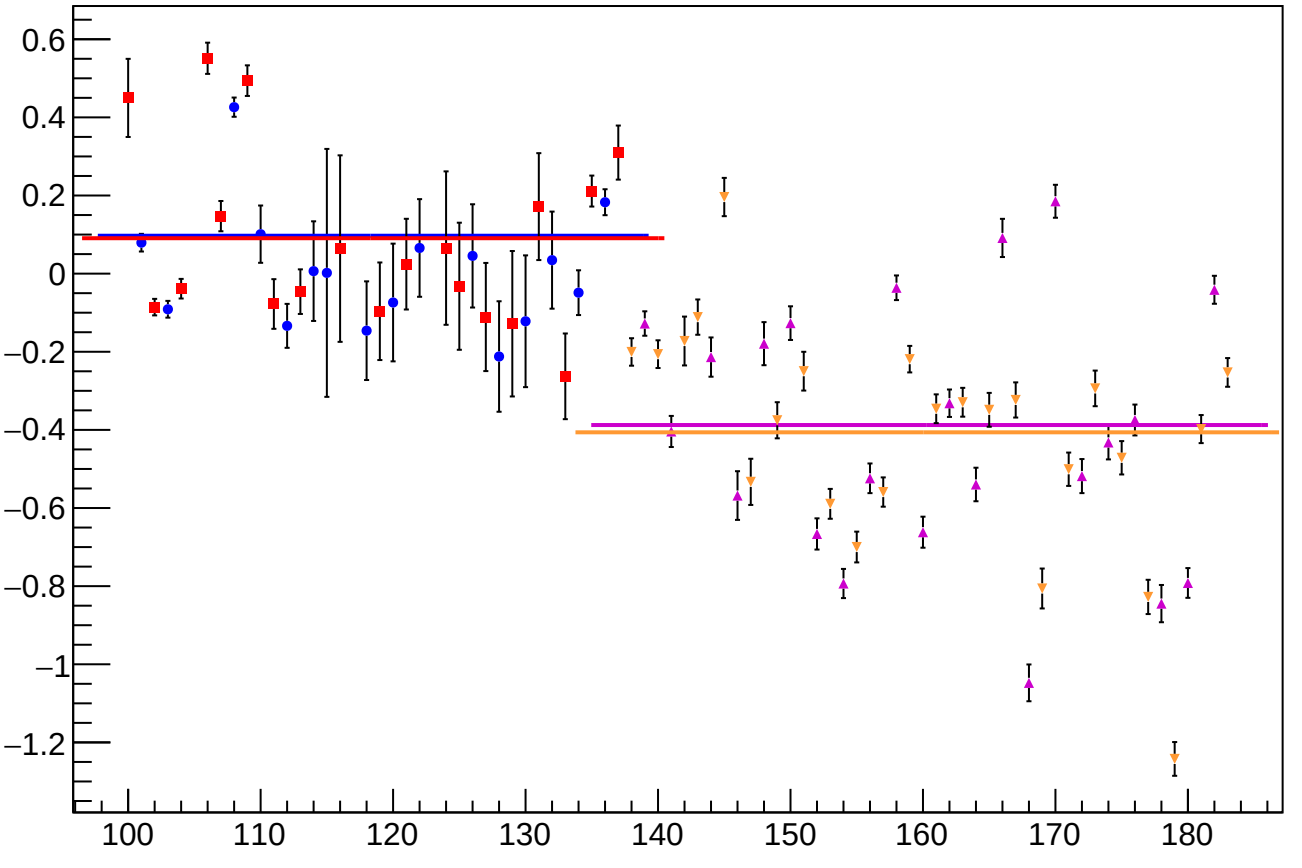
Left: 75.602+/-0.137 χ^2/NDF: 7732.9/45

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 47.796+/-0.159 χ^2/NDF:78849.5/37

Out: 49.900+/-0.154 χ^2/NDF:72524.5/42

All: 48.879+/-0.110 χ^2/NDF: 151464.5/80



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.406+/-0.008 χ^2/NDF:985.3/23

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.388+/-0.009 χ^2/NDF:1292.3/21

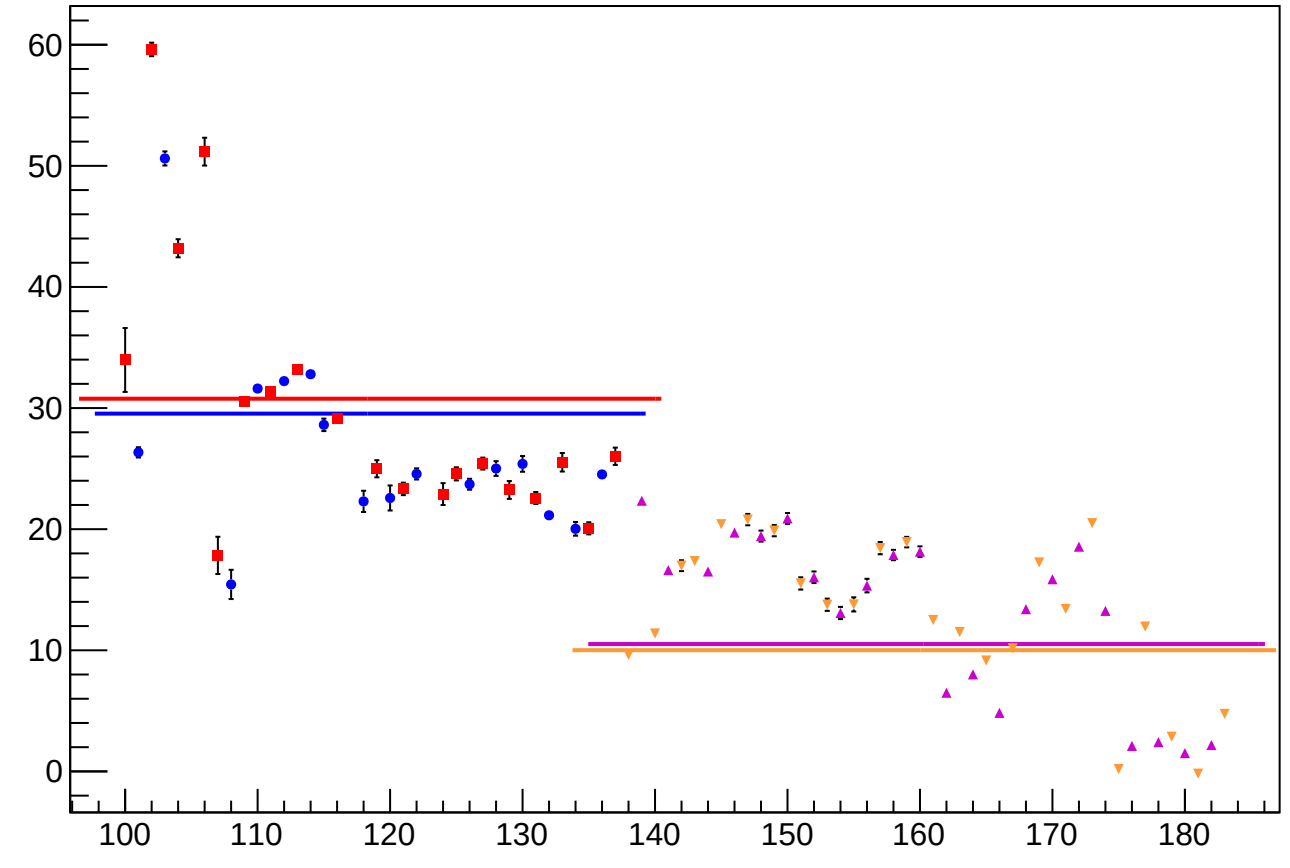
Left: -0.397+/-0.006 χ^2/NDF: 2279.9/45

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.206+/-0.007 χ^2/NDF:2757.4/37

Out: -0.229+/-0.007 χ^2/NDF:2606.9/42

All: -0.217+/-0.005 χ^2/NDF: 5369.9/80



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 10.011+/-0.065 χ^2/NDF:12300.2/23

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: 10.253+/-0.047 χ^2/NDF: 23821.0/45

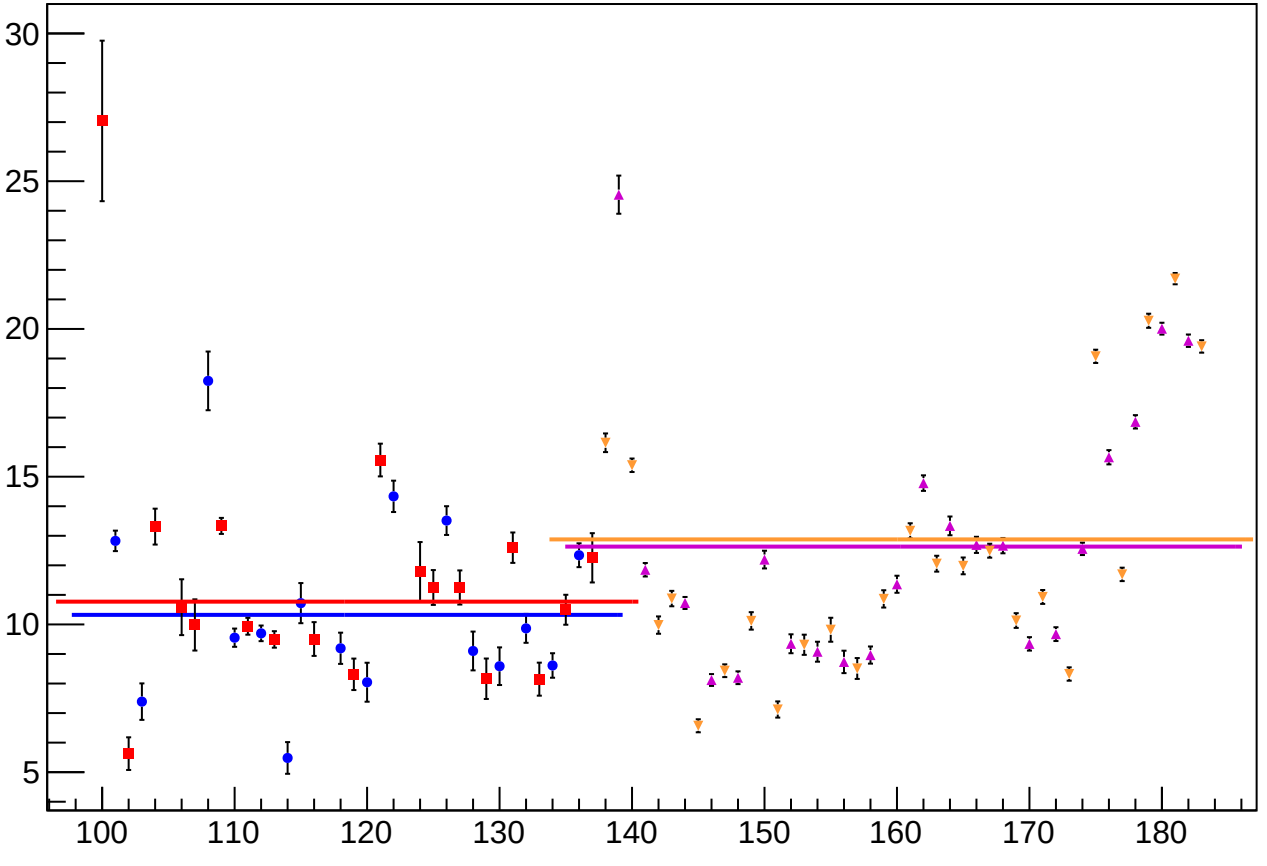
Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 17.220+/-0.055 χ^2/NDF:42585.6/37

Out: 18.229+/-0.050 χ^2/NDF:57924.5/42

All: 17.764+/-0.037 χ^2/NDF: 100694.5/80

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 12.878+/-0.052 χ^2/NDF:7963.6/23

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 12.634+/-0.053 χ^2/NDF:5268.1/21

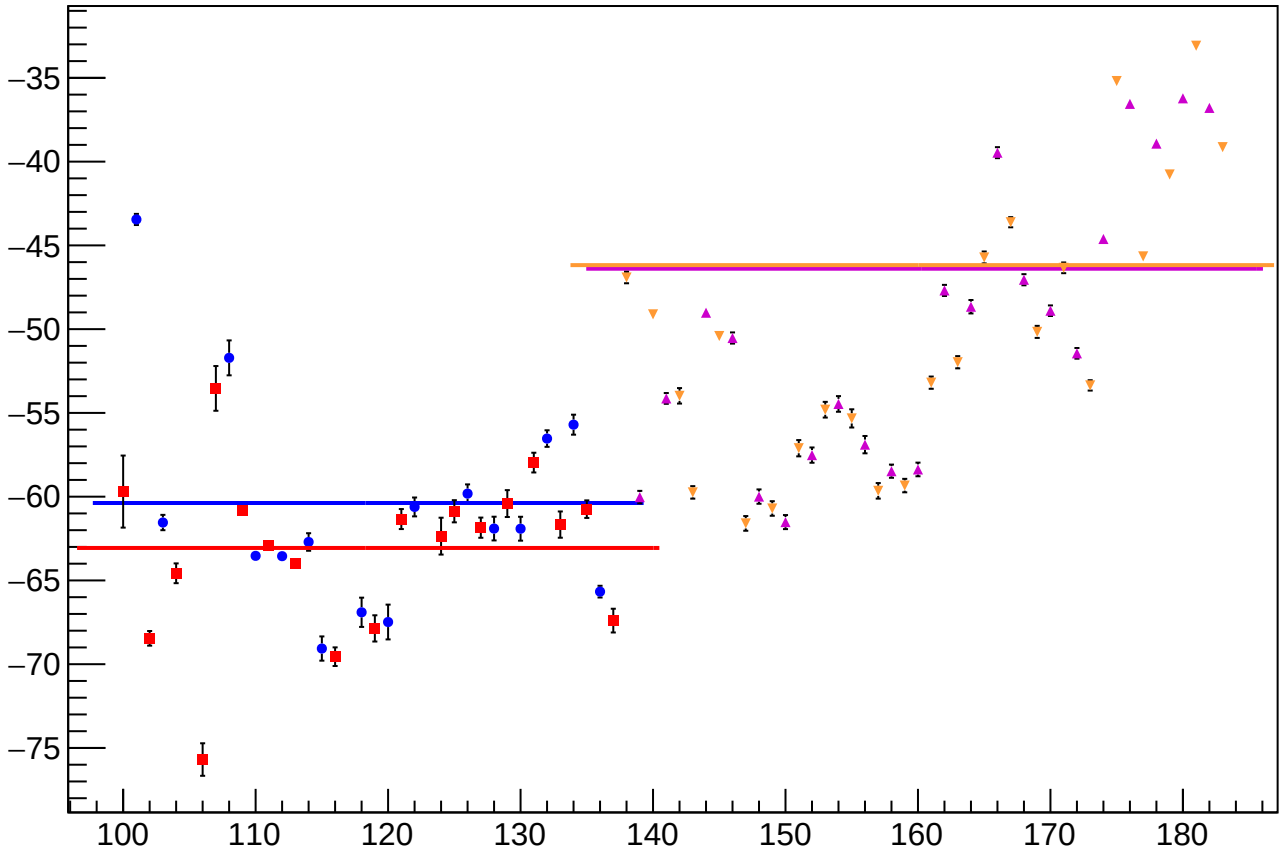
Left: 12.760+/-0.037 χ^2/NDF: 13242.5/45

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 12.217+/-0.048 χ^2/NDF:6007.4/37

Out: 12.514+/-0.047 χ^2/NDF:8667.5/42

All: 12.370+/-0.034 χ^2/NDF: 14694.4/80



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -46.178+/-0.065 χ^2/NDF:17444.2/23

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -46.392+/-0.068 χ^2/NDF:15080.0/21

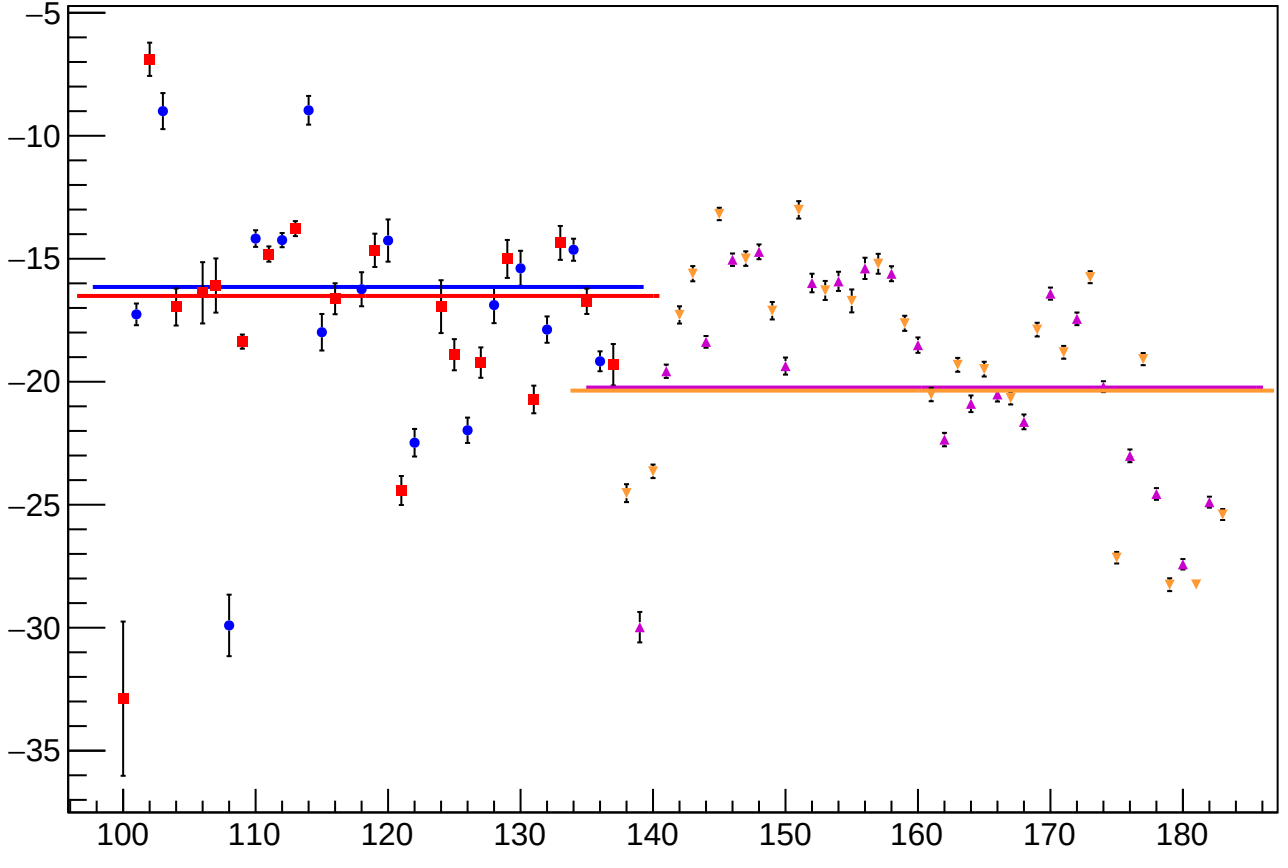
Left: -46.281+/-0.047 χ^2/NDF: 32529.4/45

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -50.091+/-0.058 χ^2/NDF:29942.4/37

Out: -50.726+/-0.056 χ^2/NDF:36392.8/42

All: -50.422+/-0.040 χ^2/NDF: 66397.5/80



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -20.360+/-0.058 χ^2/NDF:6934.8/23

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: -20.301+/-0.042 χ^2/NDF: 11116.7/45

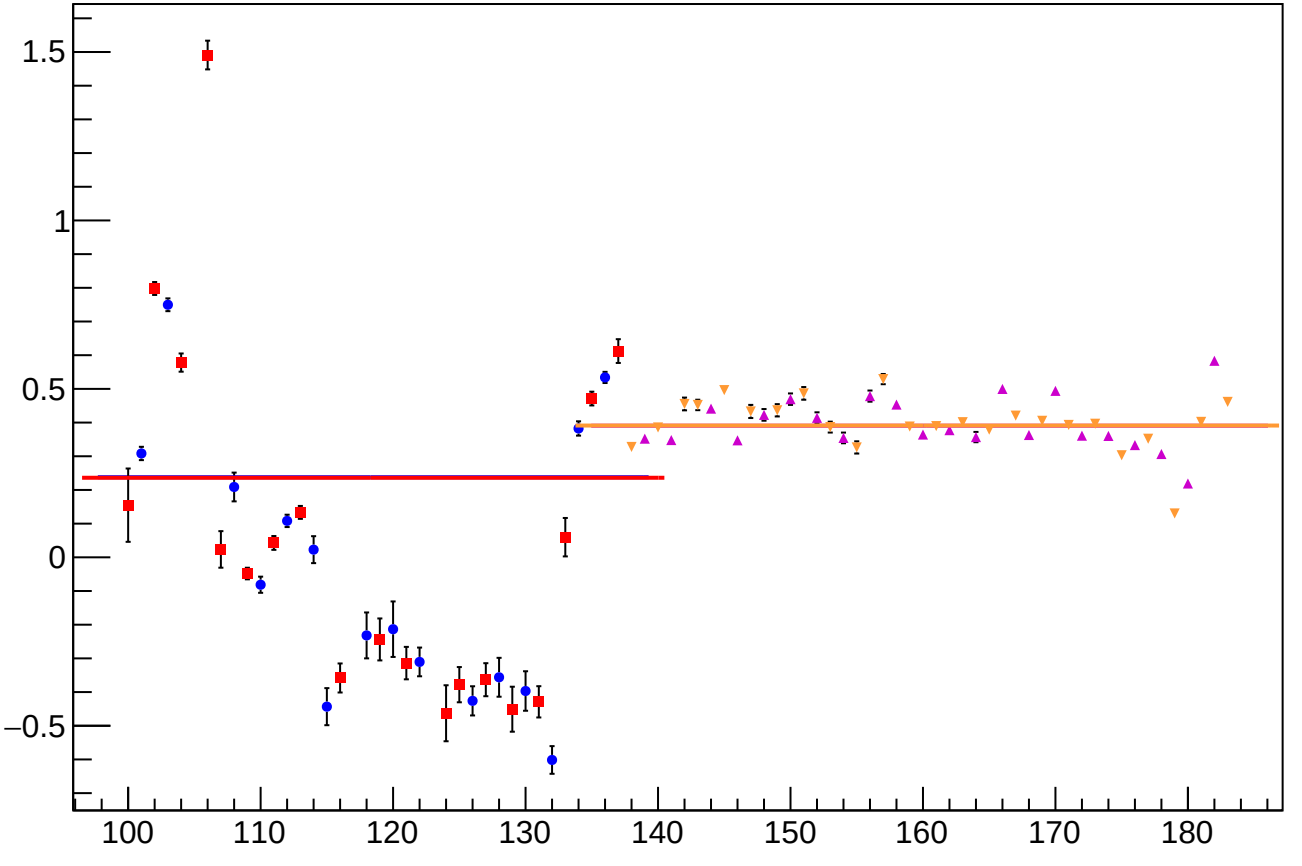
Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -19.497+/-0.054 χ^2/NDF:5824.1/37

Out: -19.681+/-0.052 χ^2/NDF:8404.4/42

All: -19.592+/-0.038 χ^2/NDF: 14234.5/80

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.391+/-0.003 χ^2/NDF:912.6/23

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.391+/-0.003 χ^2/NDF:1082.3/21

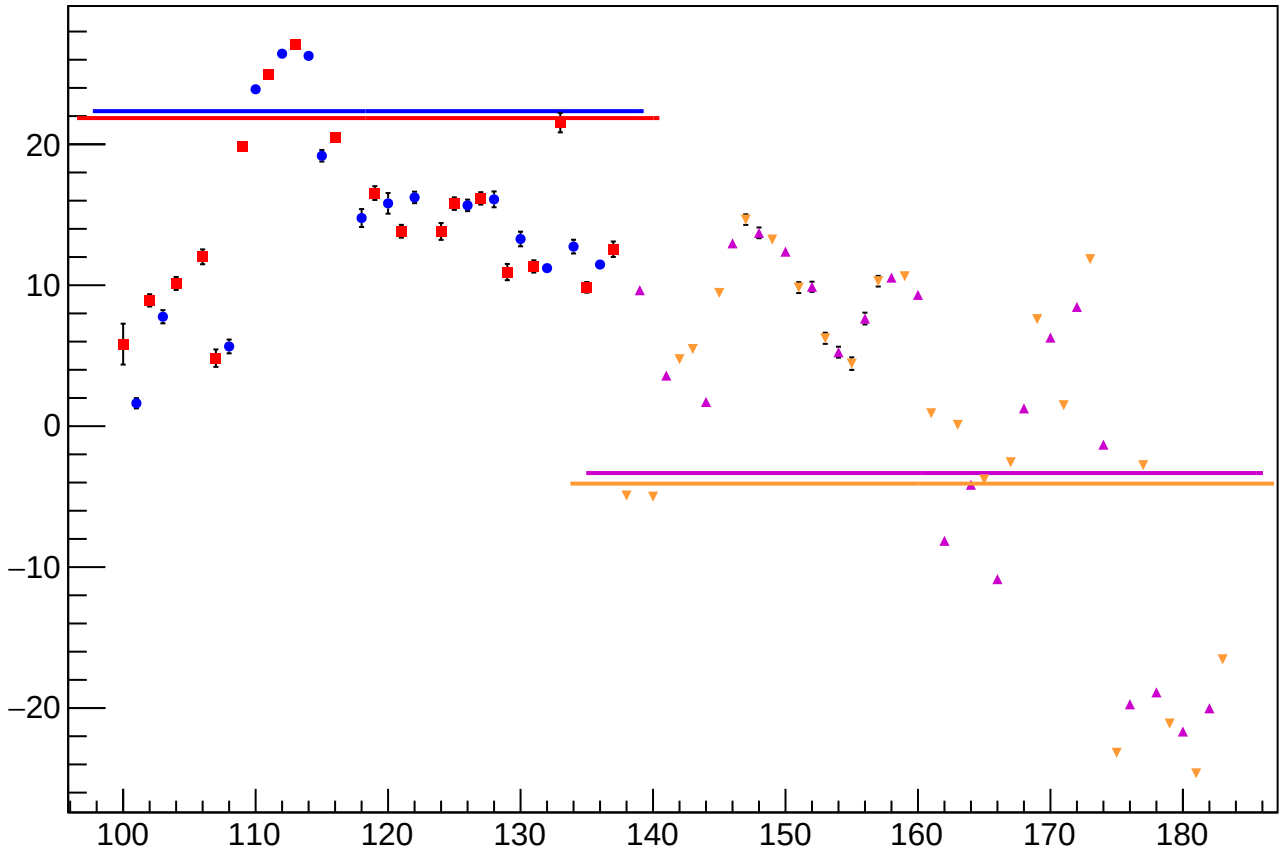
Left: 0.391+/-0.002 χ^2/NDF: 1994.9/45

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.372+/-0.002 χ^2/NDF:4125.2/37

Out: 0.373+/-0.002 χ^2/NDF:4928.8/42

All: 0.372+/-0.002 χ^2/NDF: 9054.2/80



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: -4.075+/-0.055 χ^2/NDF:53678.9/23

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: -3.326+/-0.058 χ^2/NDF:44828.3/21

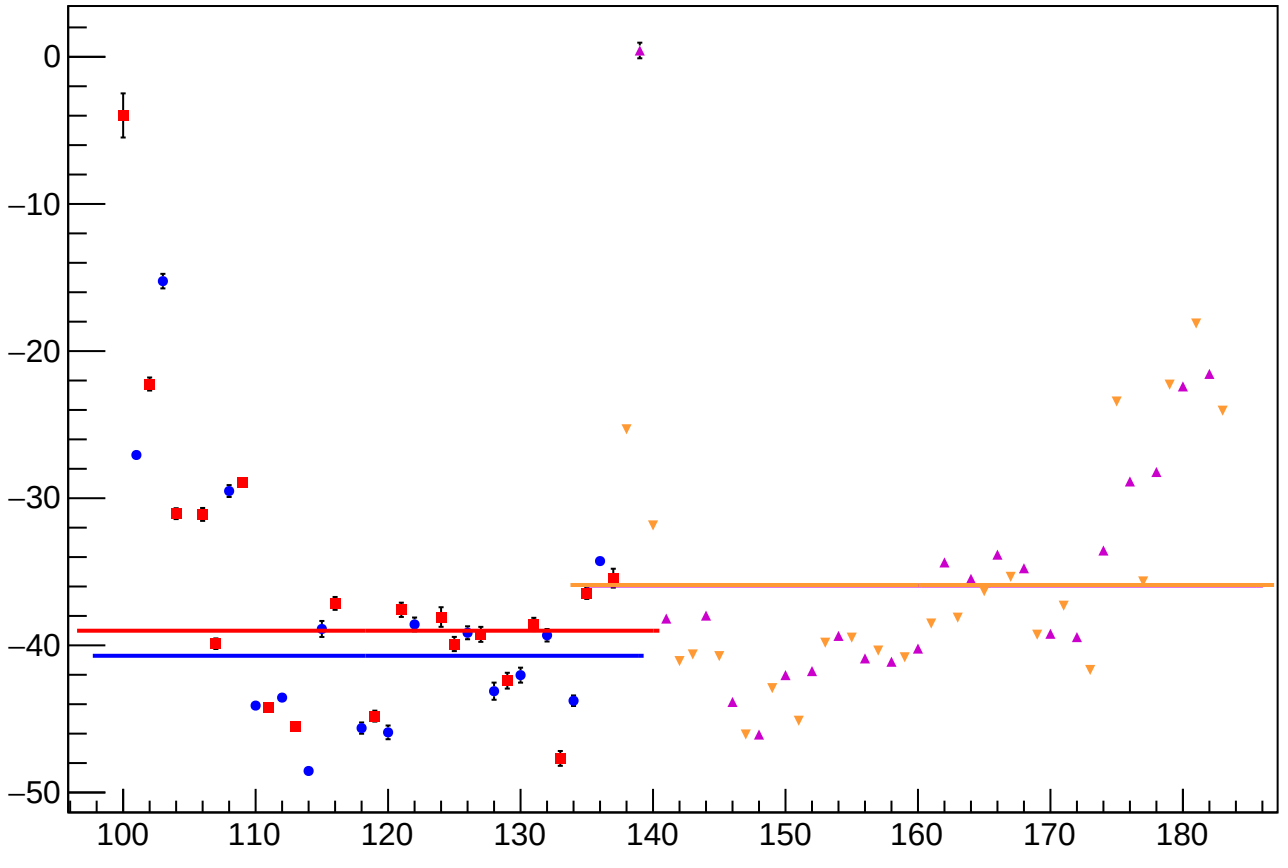
Left: -3.721+/-0.040 χ^2/NDF: 98594.9/45

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 9.862+/-0.041 χ^2/NDF:157410.1/37

Out: 11.118+/-0.035 χ^2/NDF:194388.1/42

All: 10.574+/-0.027 χ^2/NDF: 352342.1/80



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -35.897+/-0.043 χ^2/NDF:33408.9/23

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -35.934+/-0.045 χ^2/NDF:25992.7/21

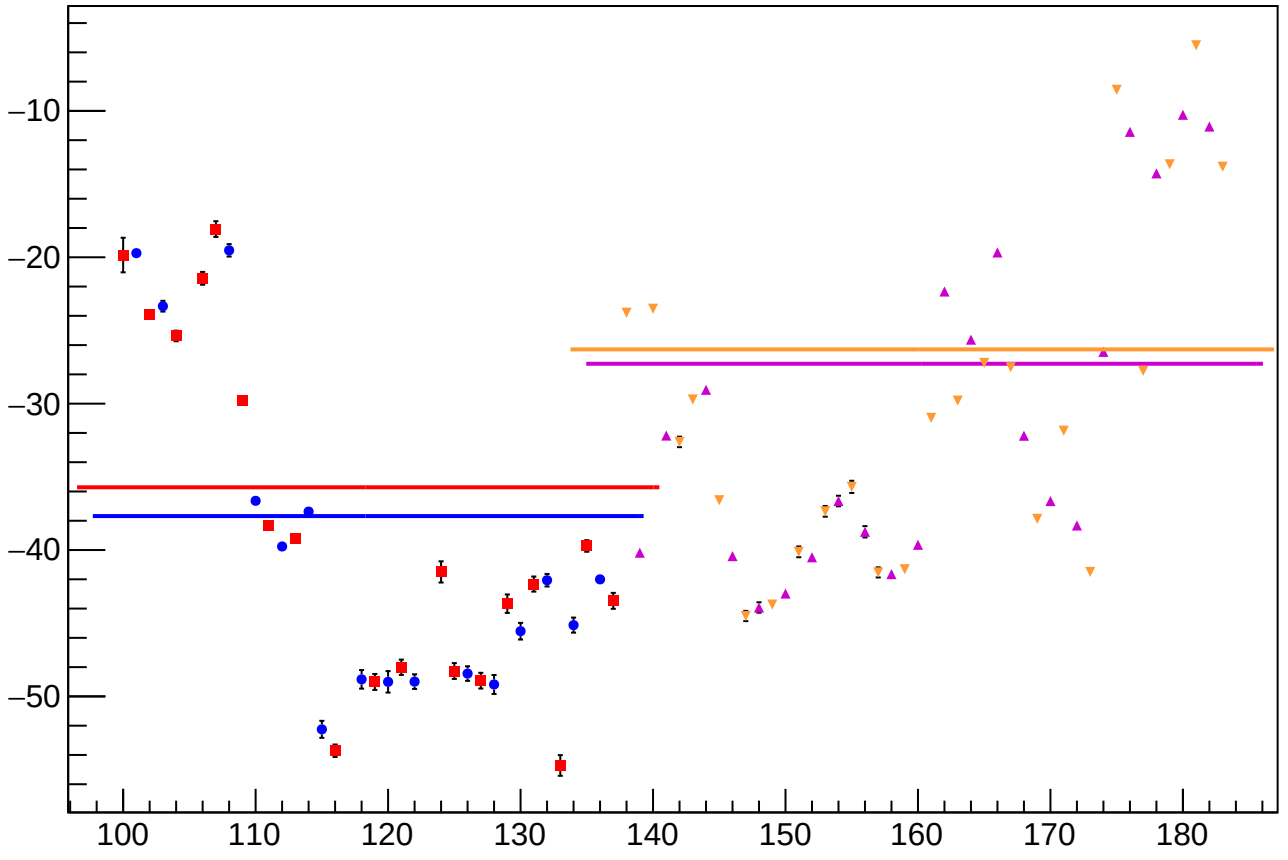
Left: -35.914+/-0.031 χ^2/NDF: 59402.0/45

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -37.174+/-0.039 χ^2/NDF:36658.3/37

Out: -36.724+/-0.037 χ^2/NDF:44914.9/42

All: -36.935+/-0.027 χ^2/NDF: 81643.9/80



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -26.293+/-0.055 χ^2/NDF:47769.0/23

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -27.274+/-0.058 χ^2/NDF:40862.0/21

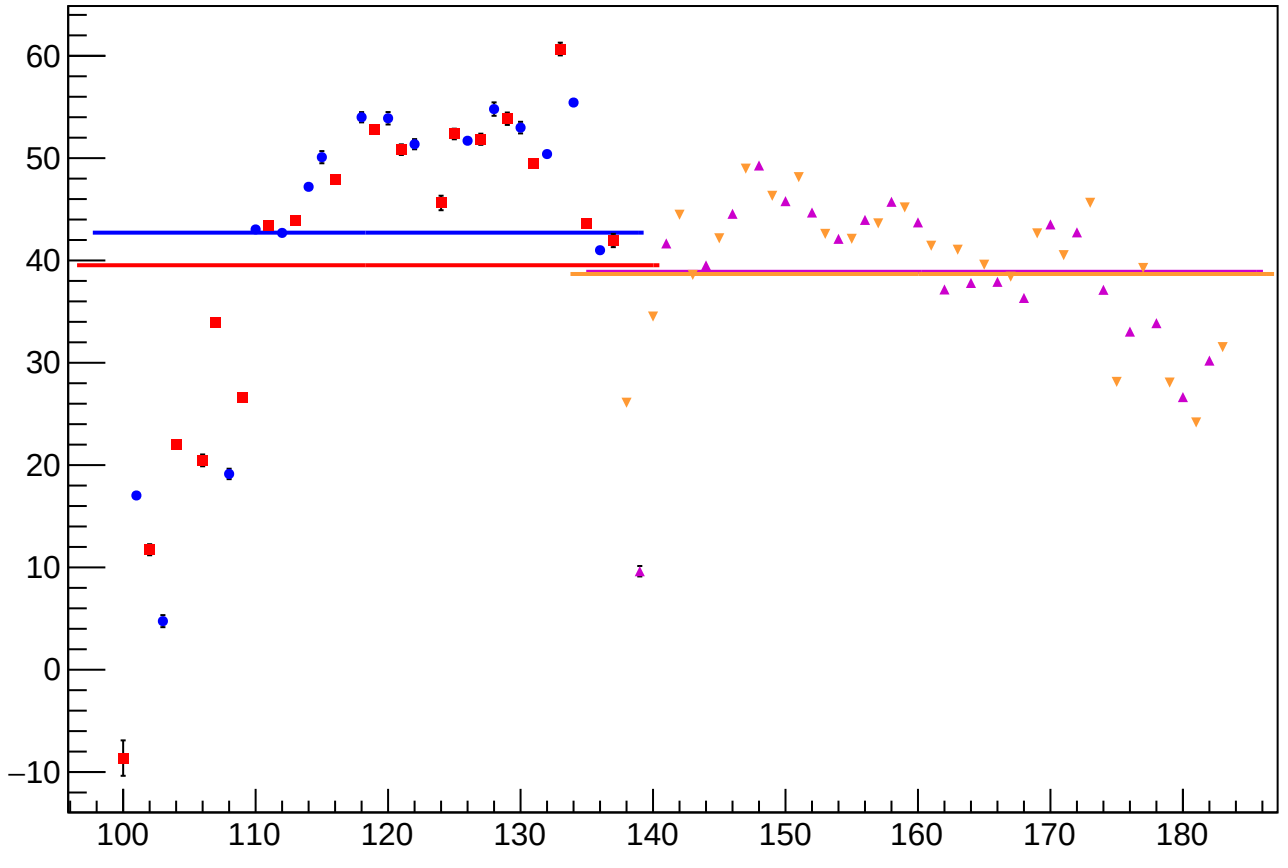
Left: -26.759+/-0.040 χ^2/NDF: 88781.8/45

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -31.241+/-0.046 χ^2/NDF:64039.2/37

Out: -30.277+/-0.042 χ^2/NDF:73422.4/42

All: -30.718+/-0.031 χ^2/NDF: 137704.6/80



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 38.678+/-0.048 χ^2/NDF:20826.5/23

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 38.892+/-0.051 χ^2/NDF:16017.9/21

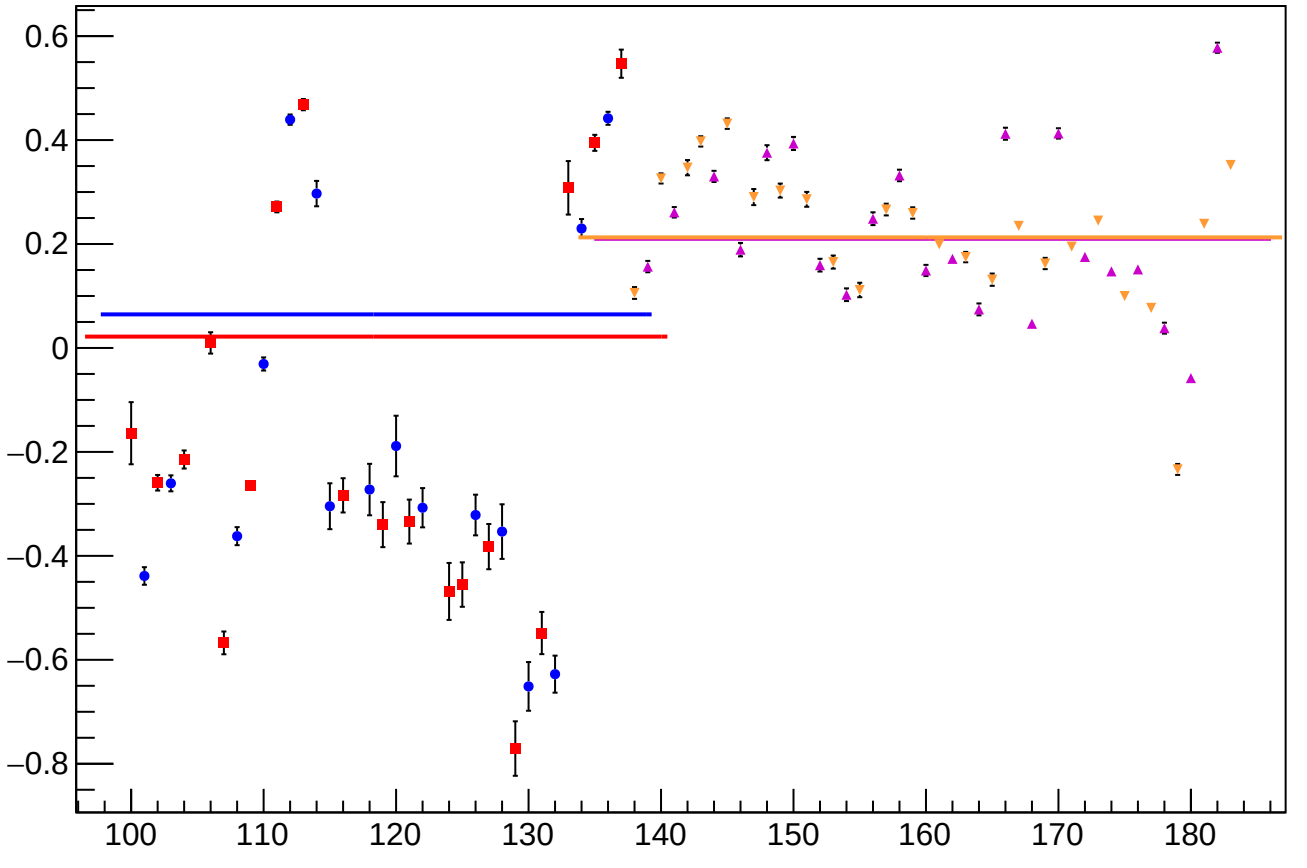
Left: 38.780+/-0.035 χ^2/NDF: 36853.8/45

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 39.893+/-0.044 χ^2/NDF:32276.7/37

Out: 38.913+/-0.041 χ^2/NDF:38891.4/42

All: 39.374+/-0.030 χ^2/NDF: 71436.8/80



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.213+/-0.002 χ^2/NDF:3831.2/23

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.210+/-0.002 χ^2/NDF:4599.2/21

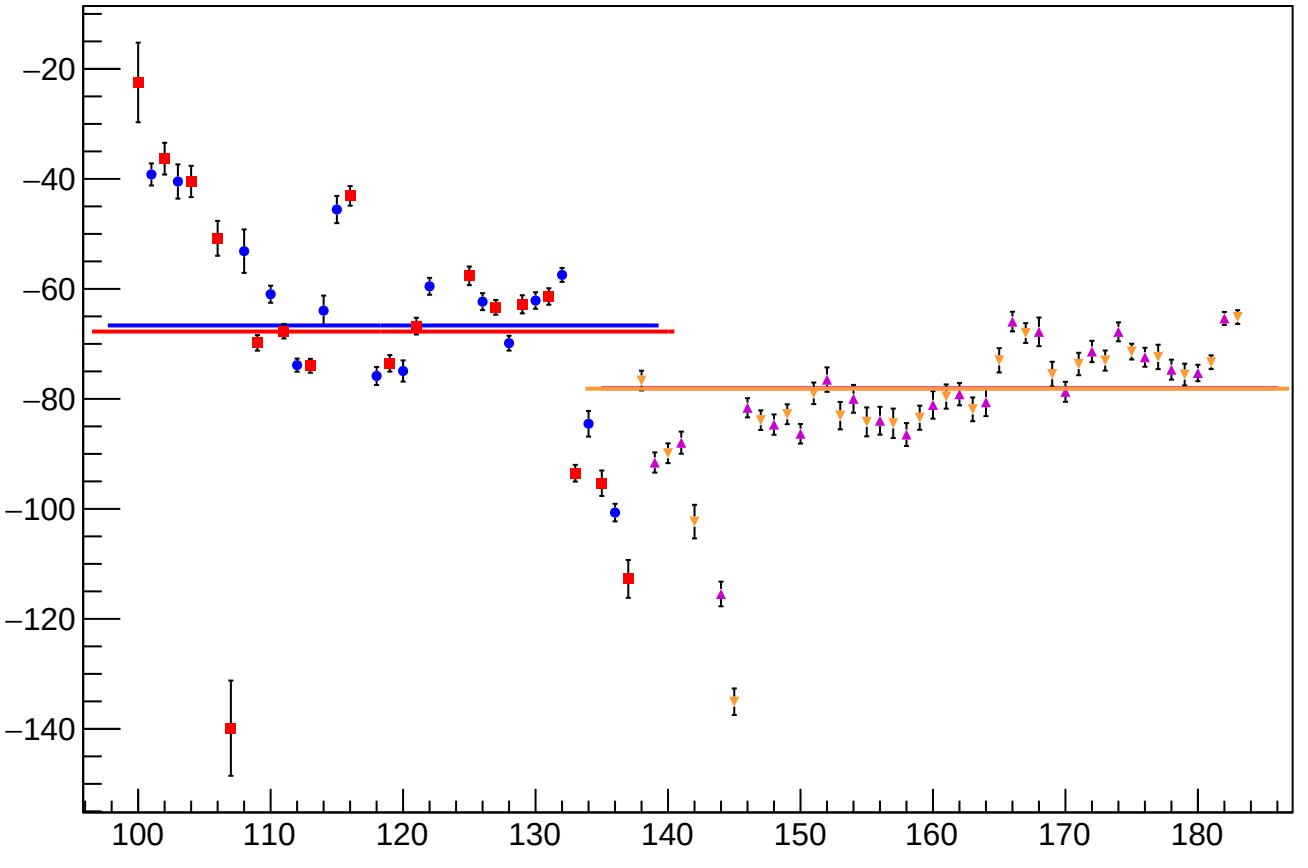
Left: 0.211+/-0.002 χ^2/NDF: 8431.2/45

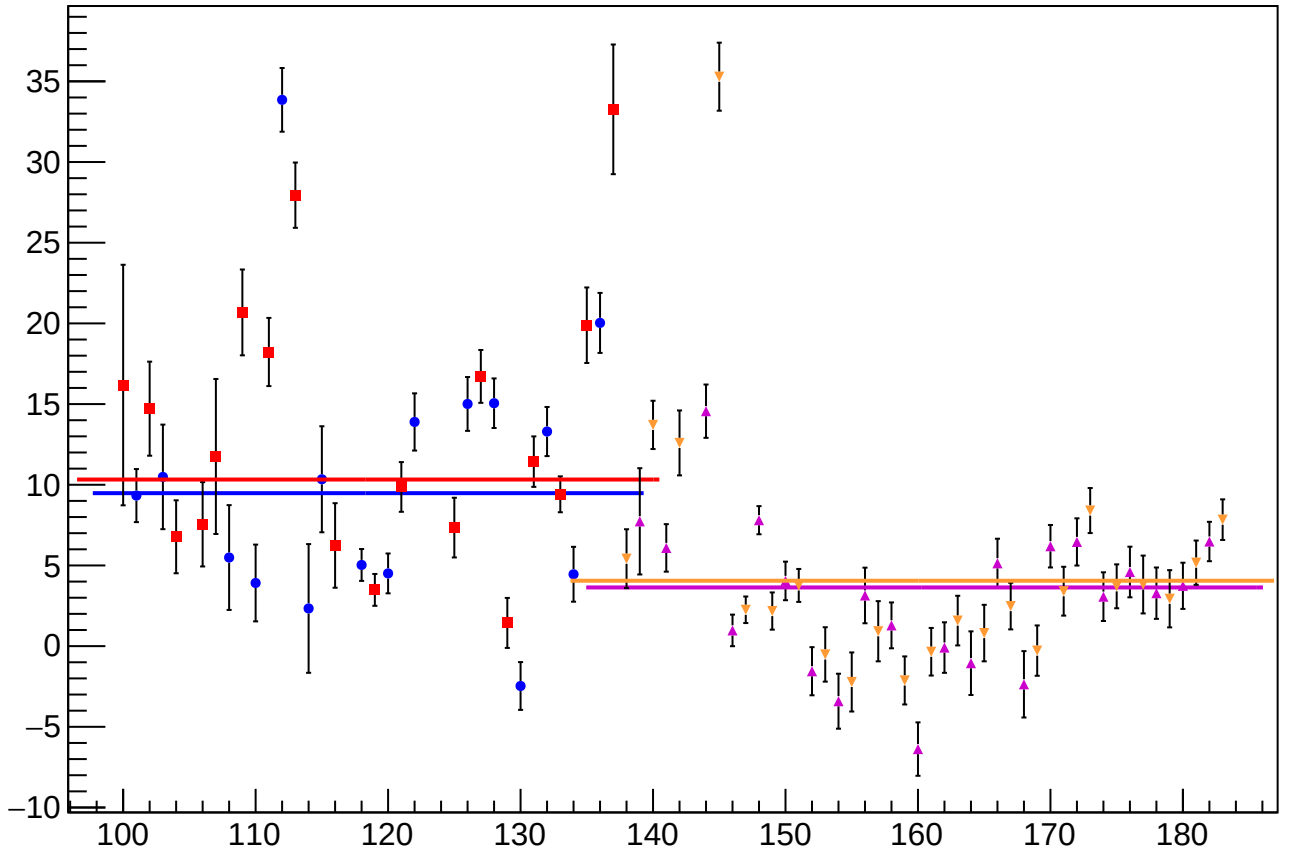
Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

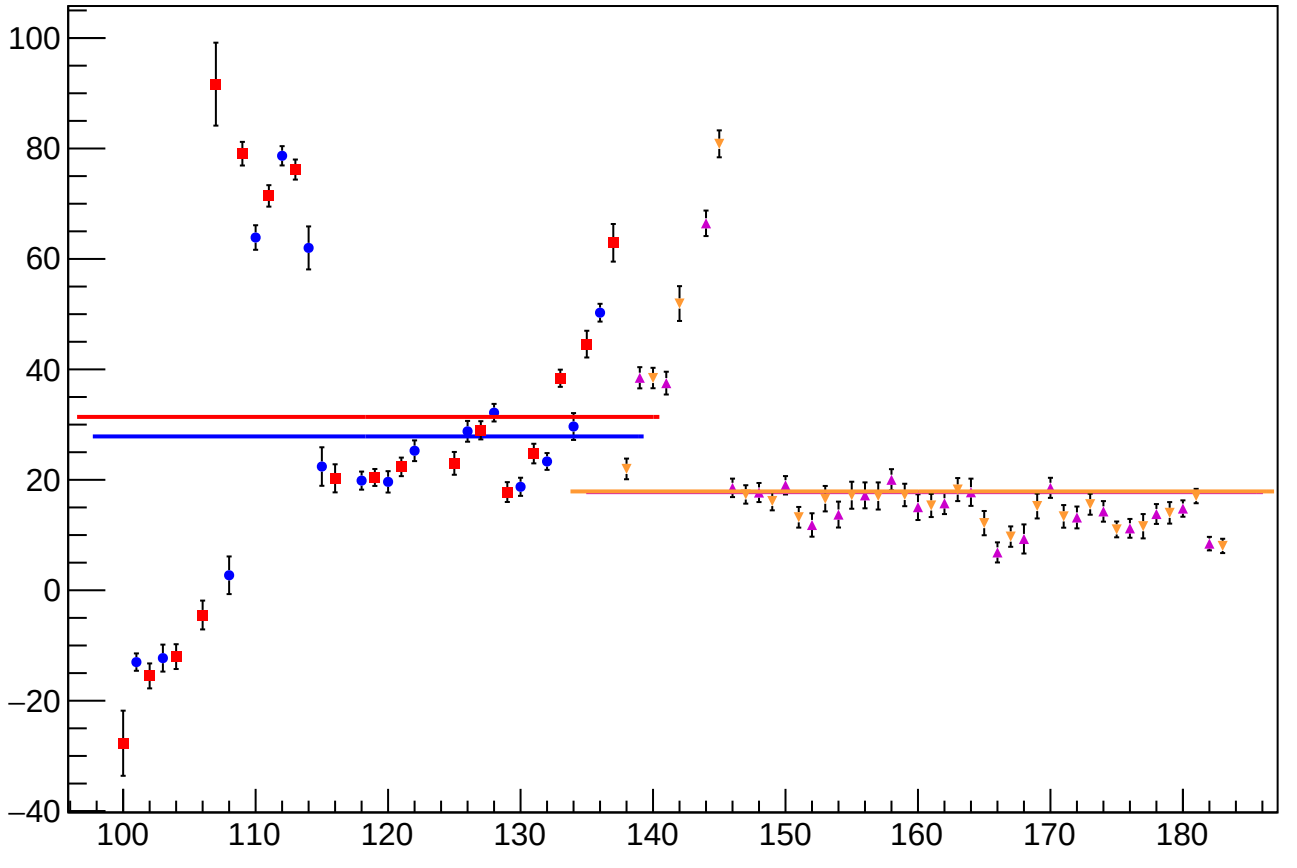
In: 0.184+/-0.002 χ^2/NDF:10838.7/37

Out: 0.175+/-0.002 χ^2/NDF:11757.2/42

All: 0.179+/-0.001 χ^2/NDF: 22606.1/80


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
180
Right In: -66.648+/-0.426 χ²/NDF: 1052.4/15
Left Out: -78.145+/-0.398 χ²/NDF:907.8/22
Right Out: -67.755+/-0.419 χ²/NDF: 1255.4/17
Left In: -78.056+/-0.403 χ²/NDF:662.2/21
Left: -78.101+/-0.283 χ²/NDF: 1570.1/44
Right: -67.210+/-0.299 χ²/NDF: 2311.2/33
In: -72.665+/-0.293 χ²/NDF:2092.8/37
Out: -73.222+/-0.289 χ²/NDF:2486.0/40
All: -72.948+/-0.206 χ²/NDF: 4580.6/78


reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
170
180
Right In: 9.480+/-0.428 χ²/NDF: 341.9/15
Left Out: 4.053+/-0.299 χ²/NDF:370.3/22
Right Out: 10.324+/-0.436 χ²/NDF: 263.4/17
Left In: 3.637+/-0.305 χ²/NDF:181.4/21
Left: 3.849+/-0.214 χ²/NDF: 552.7/44
Right: 9.895+/-0.305 χ²/NDF: 607.3/33
In: 5.604+/-0.248 χ²/NDF:646.9/37
Out: 6.063+/-0.247 χ²/NDF:774.5/40
All: 5.835+/-0.175 χ²/NDF: 1423.2/78



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 17.899+/-0.395 χ^2/NDF:1047.4/22

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 17.770+/-0.399 χ^2/NDF:805.0/21

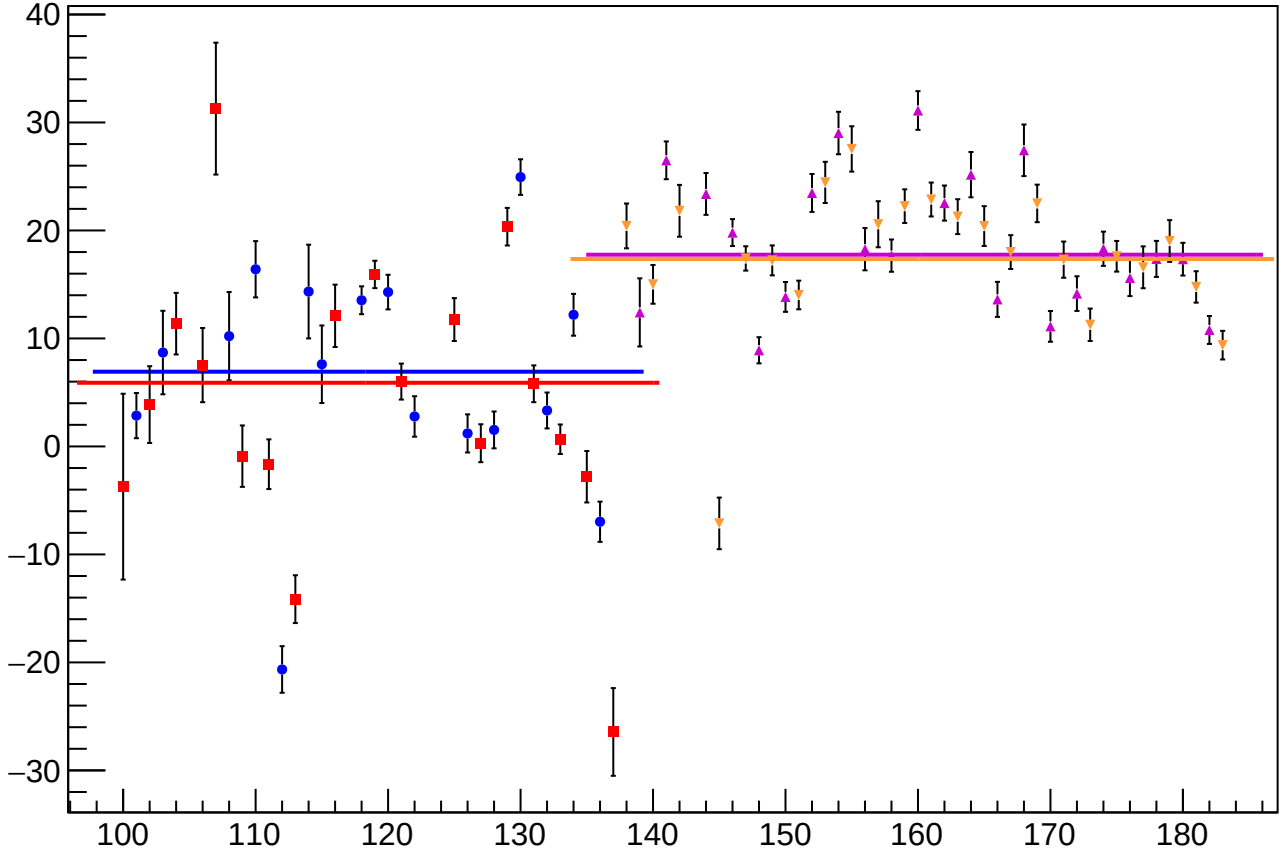
Left: 17.835+/-0.281 χ^2/NDF: 1852.5/44

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 21.869+/-0.307 χ^2/NDF:3538.7/37

Out: 23.242+/-0.307 χ^2/NDF:4521.6/40

All: 22.557+/-0.217 χ^2/NDF: 8070.3/78



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 17.356+/-0.341 χ^2/NDF:254.9/22

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 17.756+/-0.346 χ^2/NDF:301.0/21

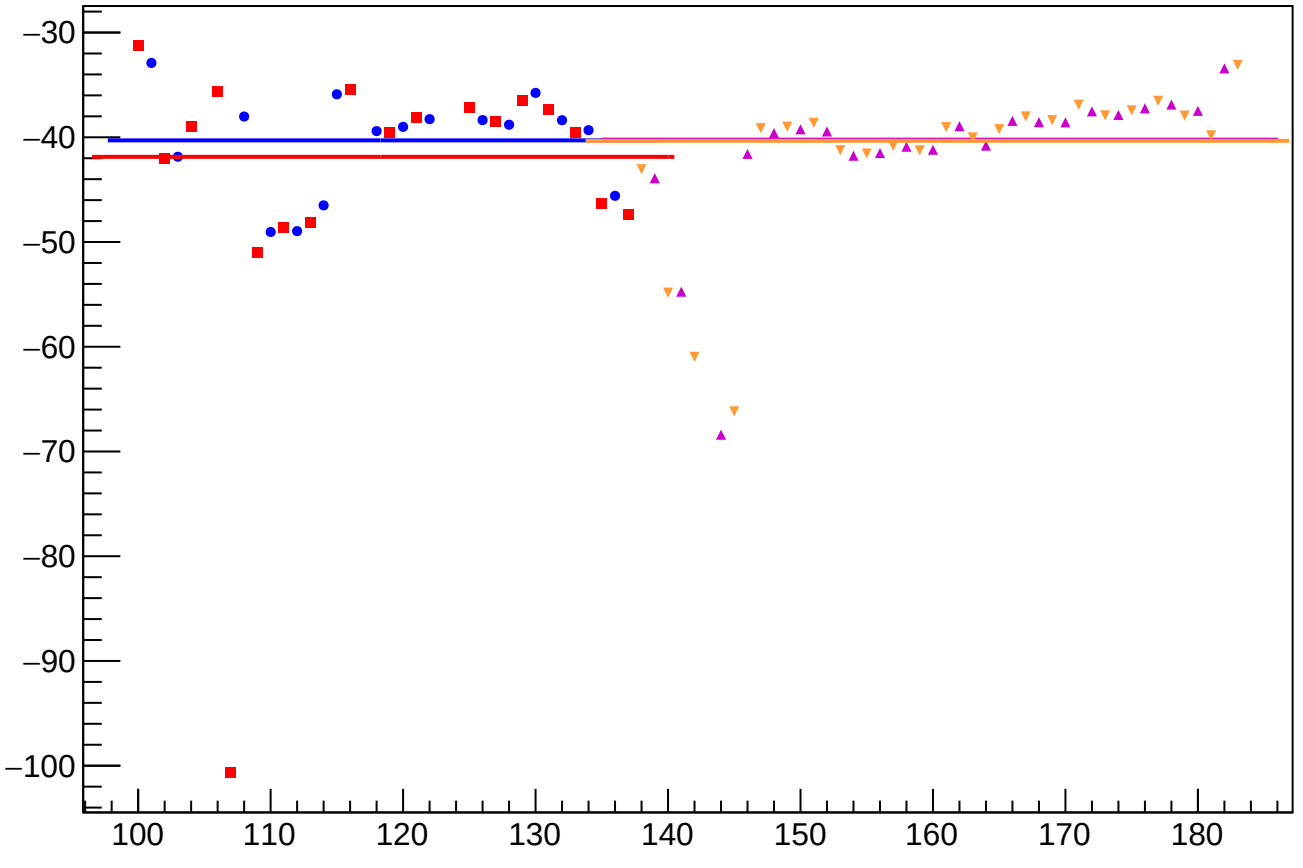
Left: 17.553+/-0.243 χ^2/NDF: 556.6/44

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 14.199+/-0.284 χ^2/NDF:1066.4/37

Out: 13.732+/-0.282 χ^2/NDF:979.3/40

All: 13.964+/-0.200 χ^2/NDF: 2047.0/78



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -40.336+/-0.016 χ^2/NDF:158347.0/22

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -40.225+/-0.016 χ^2/NDF:131697.0/21

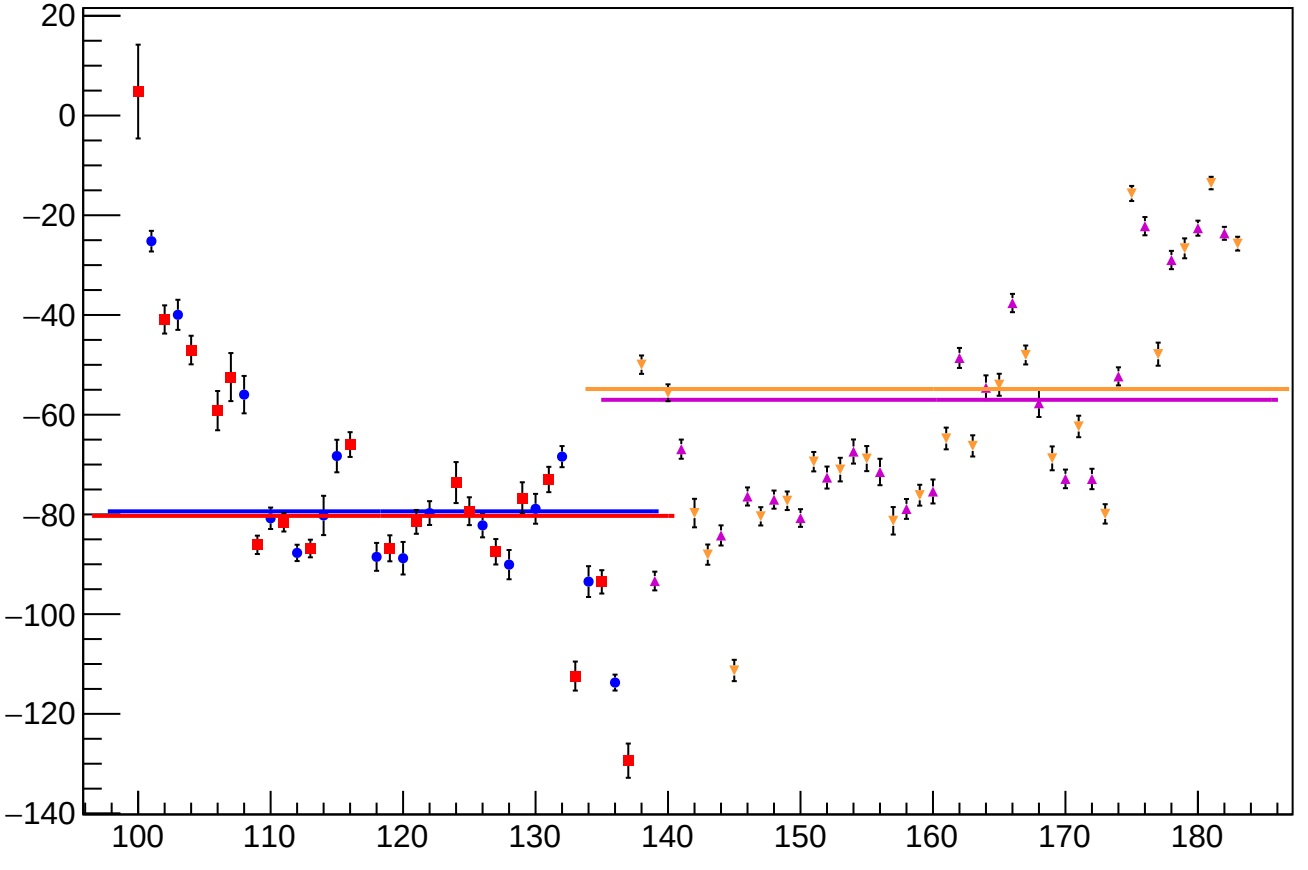
Left: -40.280+/-0.011 χ^2/NDF: 290069.5/44

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -40.238+/-0.014 χ^2/NDF:152364.3/37

Out: -40.629+/-0.014 χ^2/NDF:218920.2/40

All: -40.433+/-0.010 χ^2/NDF: 371674.6/78



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -54.848+/-0.396 χ^2/NDF:4389.6/23

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -57.016+/-0.410 χ^2/NDF:3316.2/21

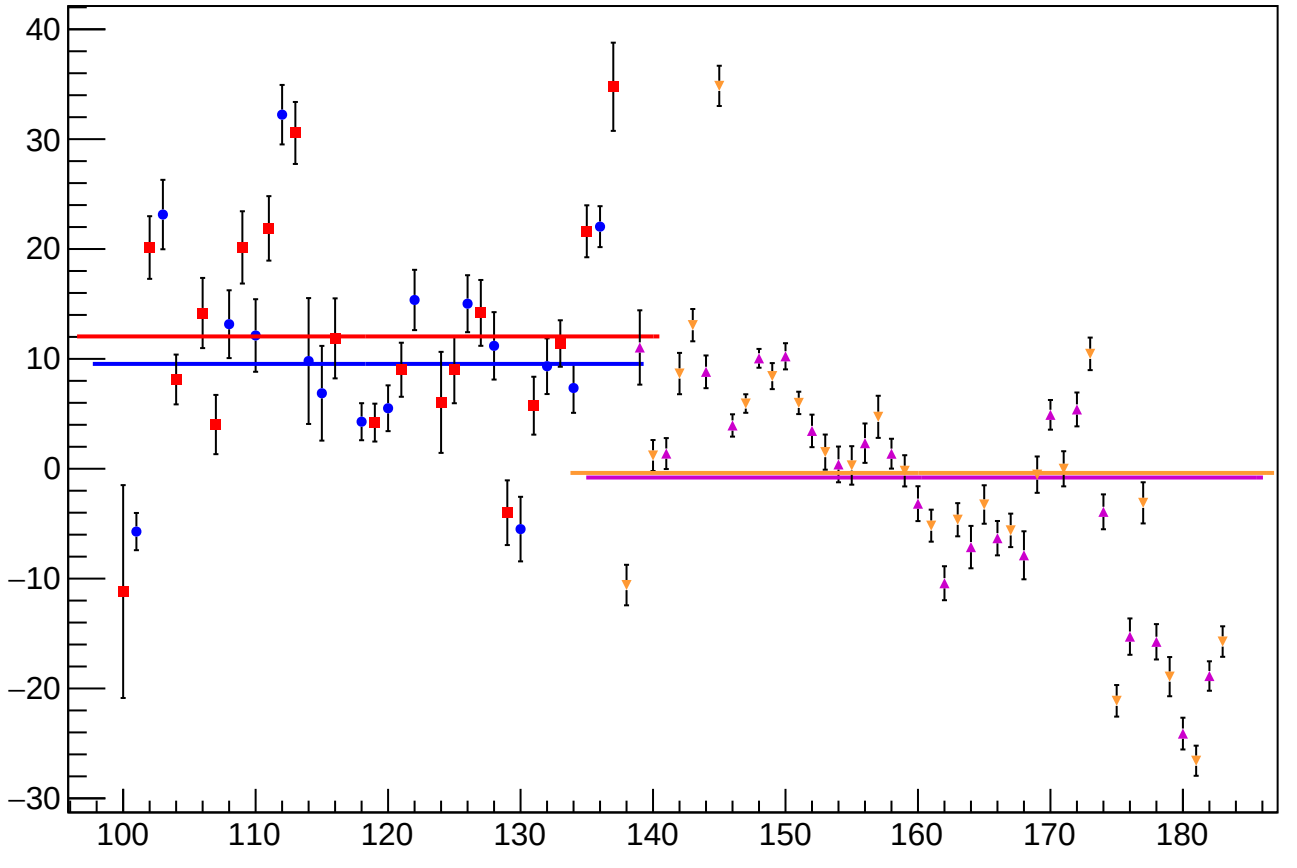
Left: -55.896+/-0.285 χ^2/NDF: 7720.3/45

Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -63.952+/-0.340 χ^2/NDF:5716.4/37

Out: -62.508+/-0.331 χ^2/NDF:6544.8/42

All: -63.211+/-0.237 χ^2/NDF: 12270.4/80



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: -0.380+/-0.296 χ^2/NDF:1560.1/23

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

Left In: -0.800+/-0.307 χ^2/NDF:1056.0/21

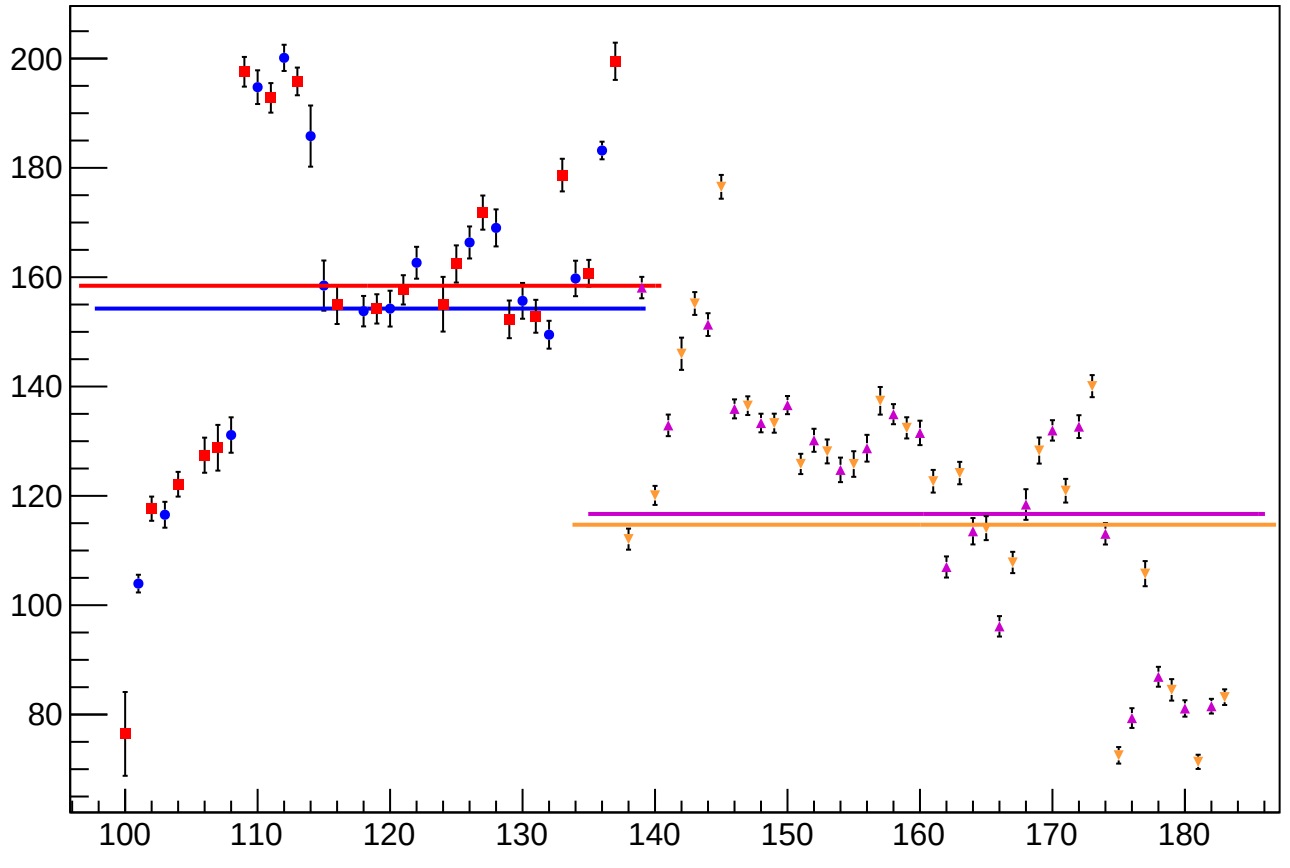
Left: -0.583+/-0.213 χ^2/NDF: 2617.1/45

Right: 10.762+/-0.445 χ^2/NDF: 470.8/34

In: 1.228+/-0.275 χ^2/NDF:1545.8/37

Out: 1.826+/-0.268 χ^2/NDF:2069.0/42

All: 1.534+/-0.192 χ^2/NDF: 3617.2/80



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 114.720+/-0.393 χ^2/NDF:4712.8/23

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 116.689+/-0.405 χ^2/NDF:3591.9/21

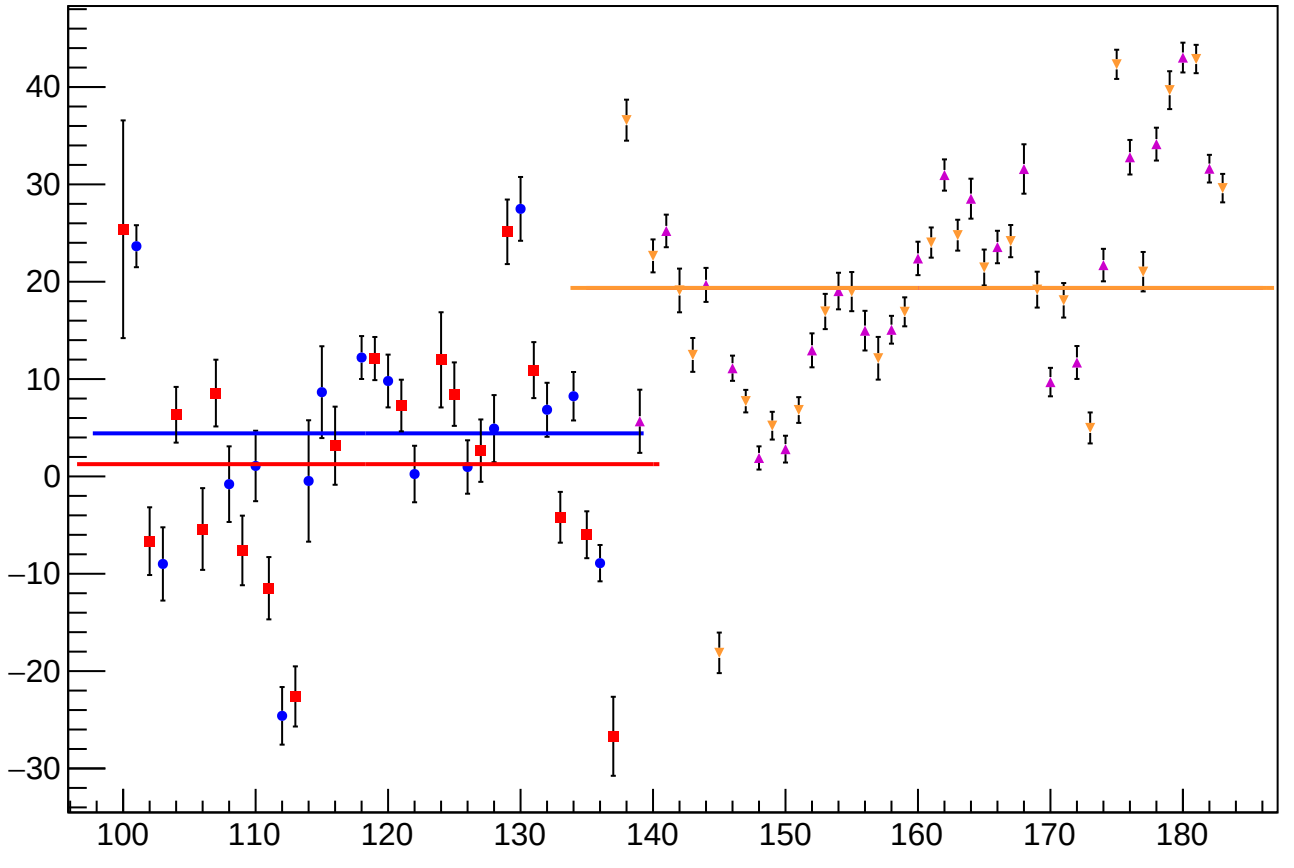
Left: 115.677+/-0.282 χ^2/NDF: 8316.8/45

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 126.911+/-0.345 χ^2/NDF:8152.1/37

Out: 125.610+/-0.341 χ^2/NDF:9456.7/42

All: 126.252+/-0.242 χ^2/NDF: 17616.0/80



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 19.363+/-0.338 χ^2/NDF:1482.6/23

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 19.359+/-0.349 χ^2/NDF:1075.5/21

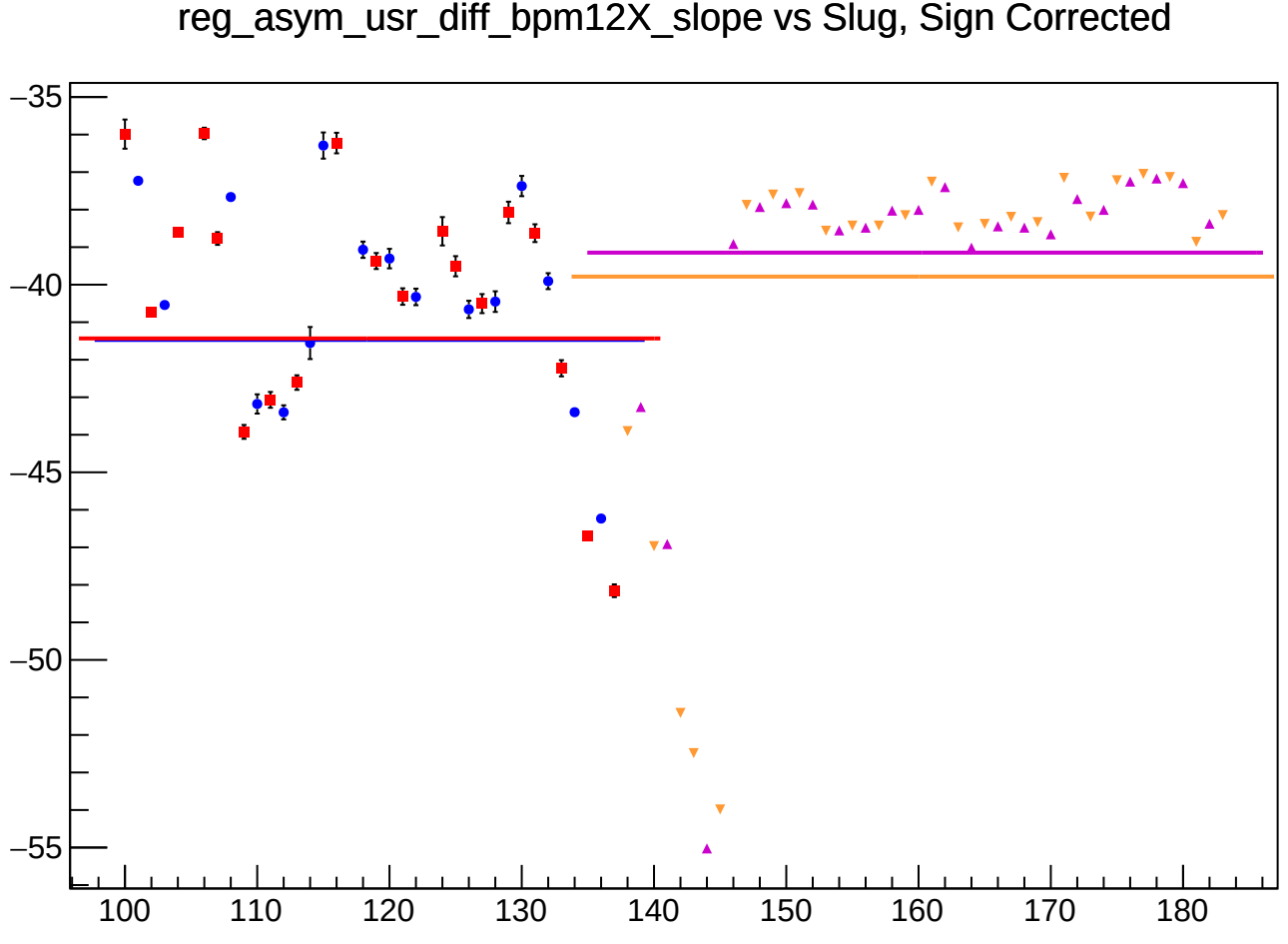
Left: 19.361+/-0.243 χ^2/NDF: 2558.1/45

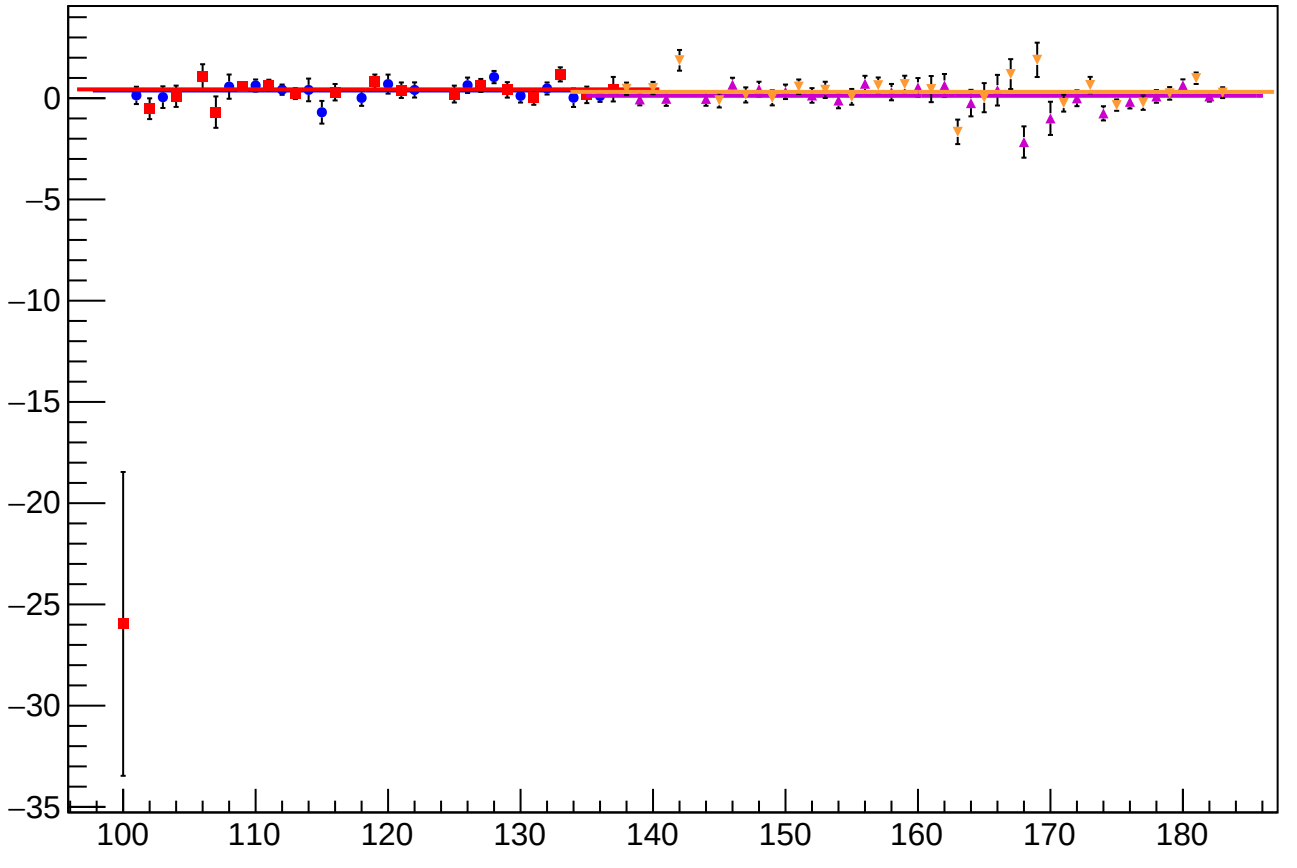
Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 16.474+/-0.314 χ^2/NDF:1744.6/37

Out: 16.171+/-0.307 χ^2/NDF:2251.8/42

All: 16.320+/-0.220 χ^2/NDF: 3996.9/80


reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected
−35
−40
−45
−50
−55
100
110
120
130
140
150
160
170
180
Right In: -41.472+/-0.038 χ²/NDF: 7912.0/15
Left Out: -39.785+/-0.016 χ²/NDF:81712.7/23
Right Out: -41.433+/-0.040 χ²/NDF: 8225.4/18
Left In: -39.146+/-0.016 χ²/NDF:46907.4/21
Left: -39.470+/-0.011 χ²/NDF: 129448.4/45
Right: -41.453+/-0.027 χ²/NDF: 16137.9/34
In: -39.487+/-0.015 χ²/NDF:57997.4/37
Out: -40.007+/-0.014 χ²/NDF:91443.7/42
All: -39.748+/-0.010 χ²/NDF: 150079.6/80



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.313+/-0.079 χ^2/NDF:46.2/22

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.119+/-0.081 χ^2/NDF:30.0/21

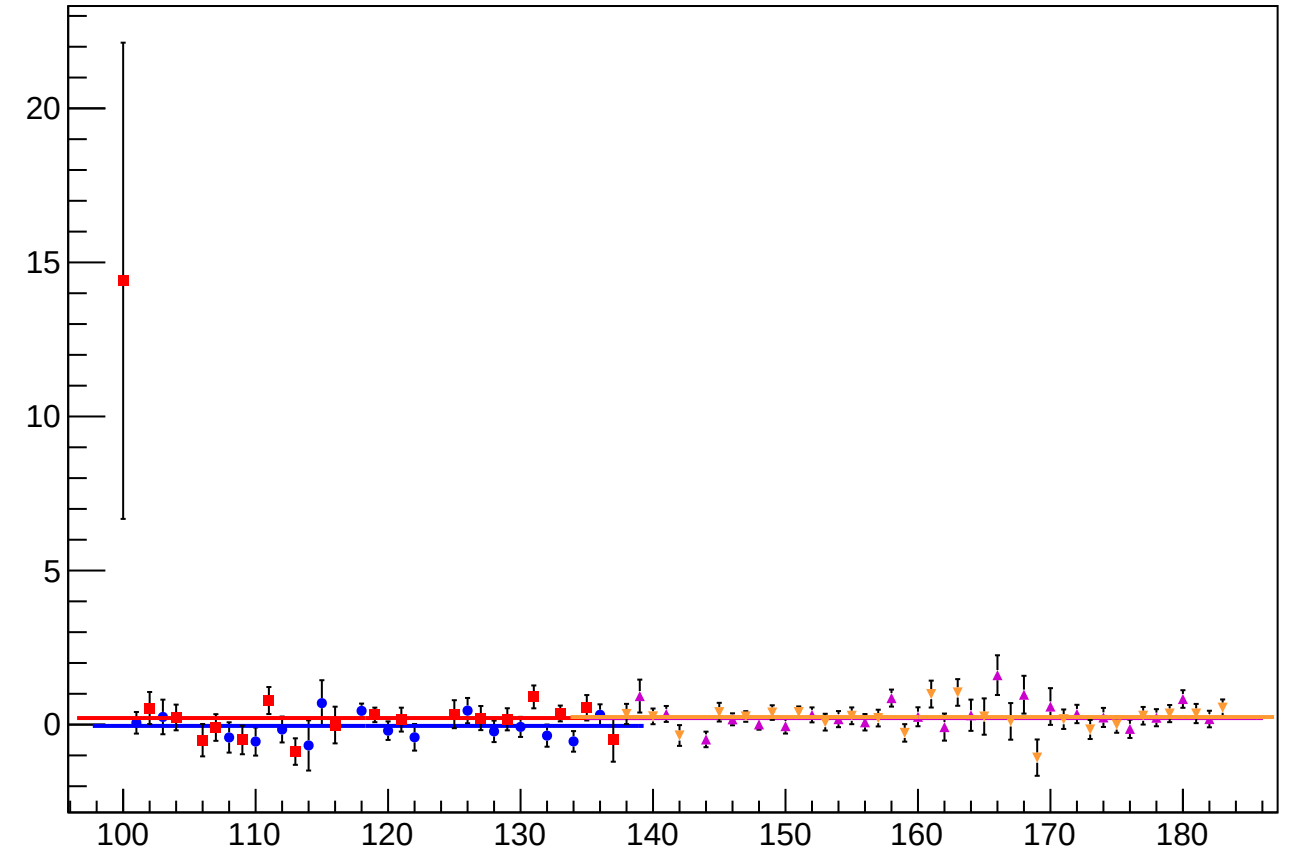
Left: 0.218+/-0.056 χ^2/NDF: 79.1/44

Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.233+/-0.061 χ^2/NDF:48.6/37

Out: 0.366+/-0.059 χ^2/NDF:76.3/40

All: 0.301+/-0.042 χ^2/NDF: 127.3/78



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.246+/-0.060 χ^2/NDF:23.9/22

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.212+/-0.061 χ^2/NDF:31.6/21

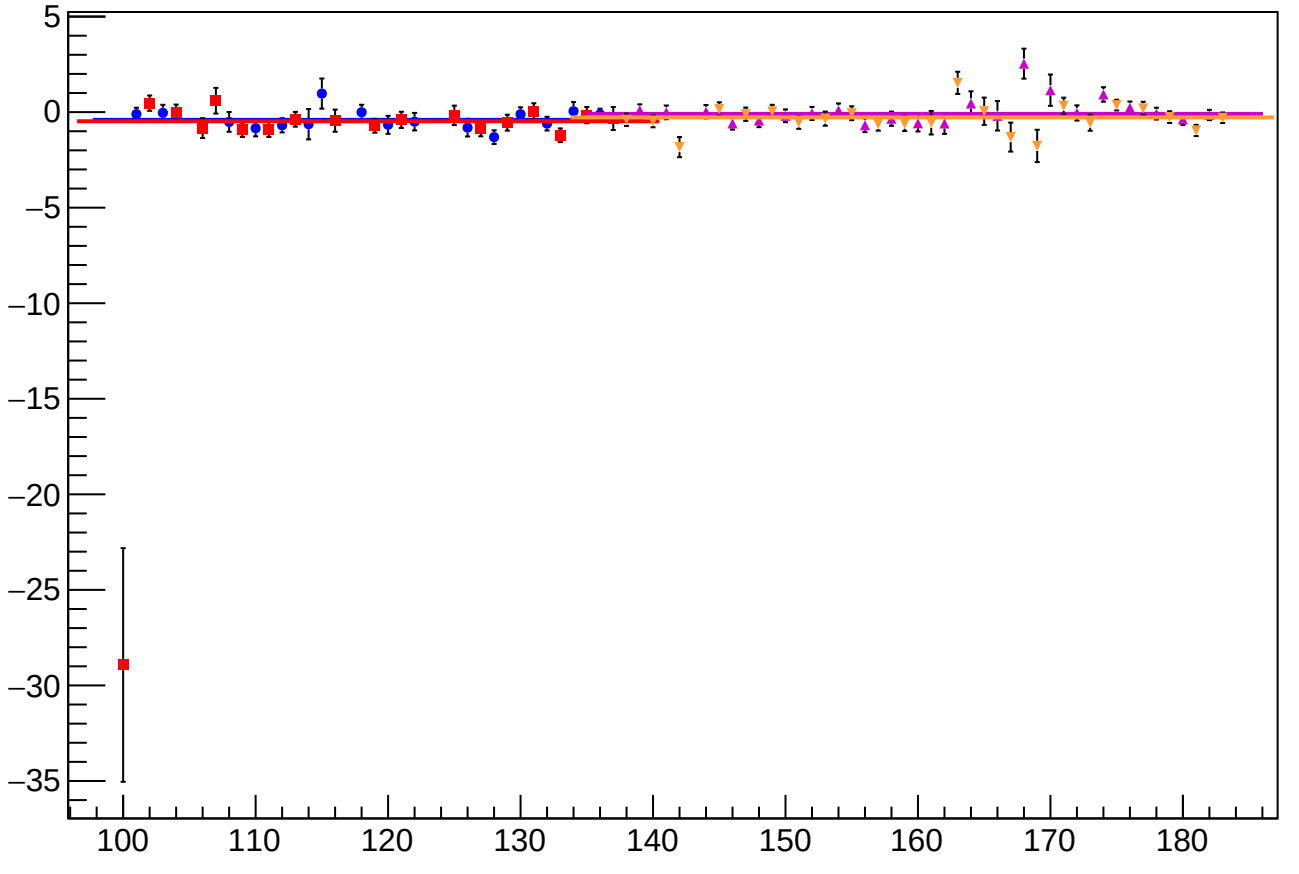
Left: 0.229+/-0.043 χ^2/NDF: 55.6/44

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.137+/-0.051 χ^2/NDF:51.7/37

Out: 0.236+/-0.051 χ^2/NDF:46.4/40

All: 0.187+/-0.036 χ^2/NDF: 100.0/78



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.278+/-0.078 χ^2/NDF:44.3/22

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.094+/-0.079 χ^2/NDF:33.0/21

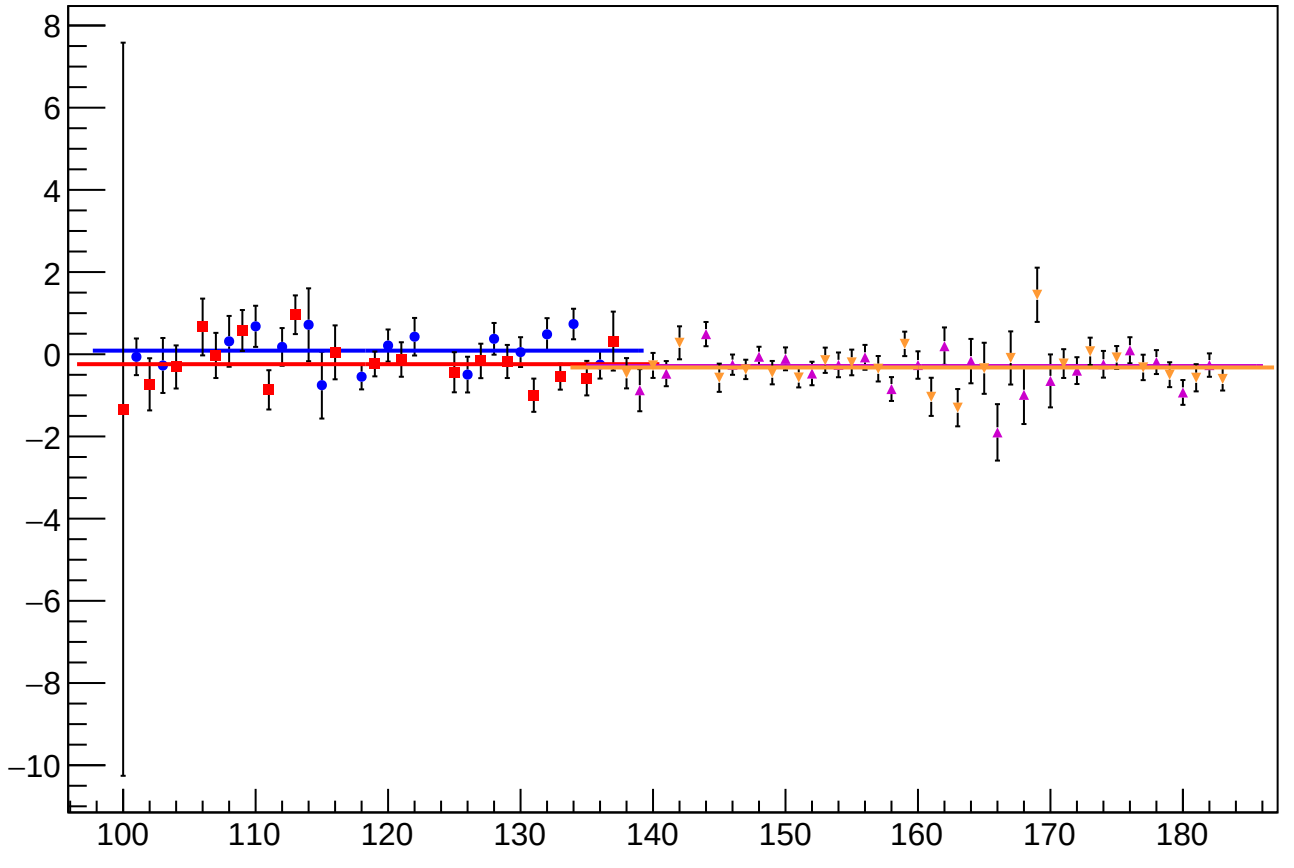
Left: -0.187+/-0.056 χ^2/NDF: 80.1/44

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.210+/-0.063 χ^2/NDF:56.5/37

Out: -0.350+/-0.062 χ^2/NDF:88.9/40

All: -0.280+/-0.044 χ^2/NDF: 147.9/78



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.322+/-0.069 χ^2/NDF:26.9/22

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.287+/-0.070 χ^2/NDF:28.8/21

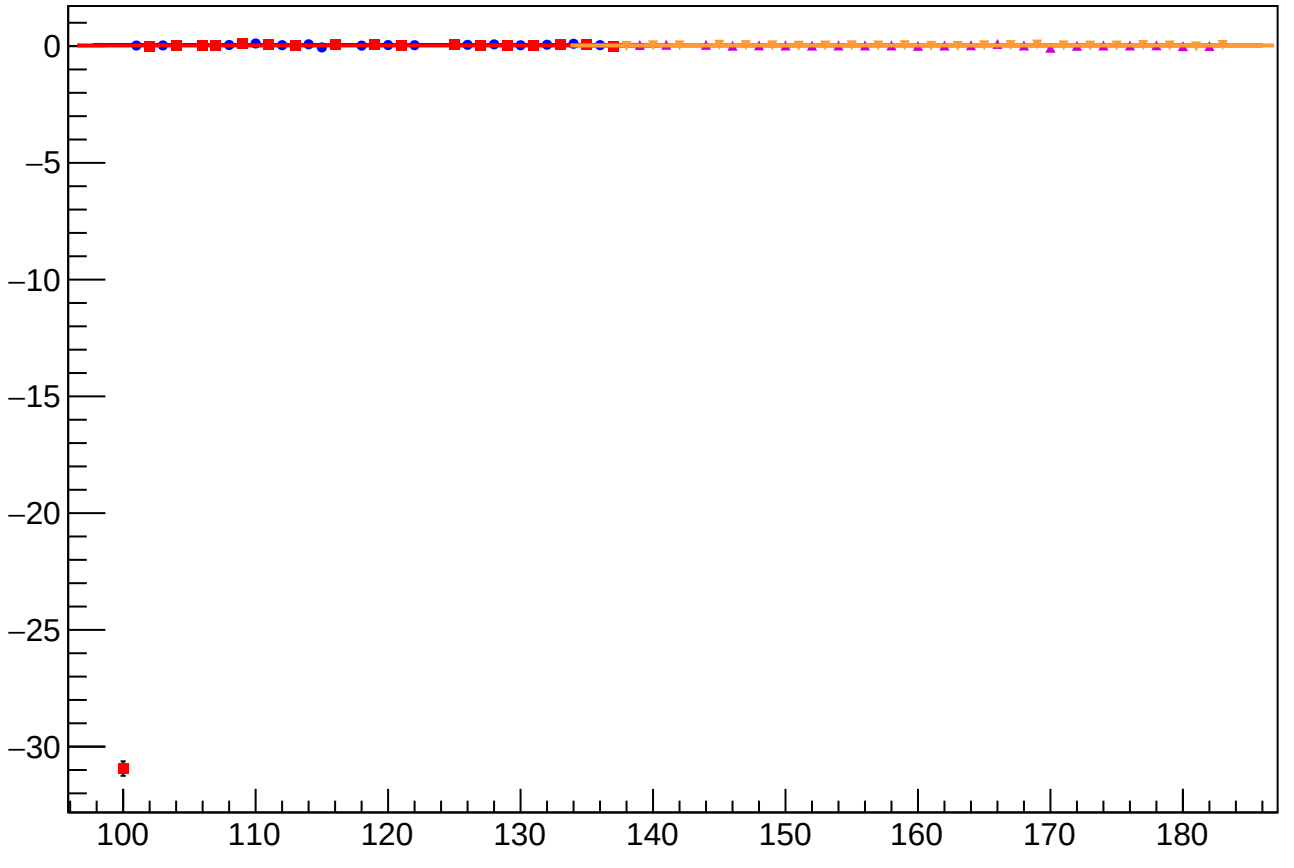
Left: -0.304+/-0.049 χ^2/NDF: 55.7/44

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.177+/-0.059 χ^2/NDF:53.1/37

Out: -0.299+/-0.058 χ^2/NDF:46.9/40

All: -0.239+/-0.041 χ^2/NDF: 102.1/78



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.003 χ^2/NDF:24.7/22

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.029+/-0.003 χ^2/NDF:38.8/21

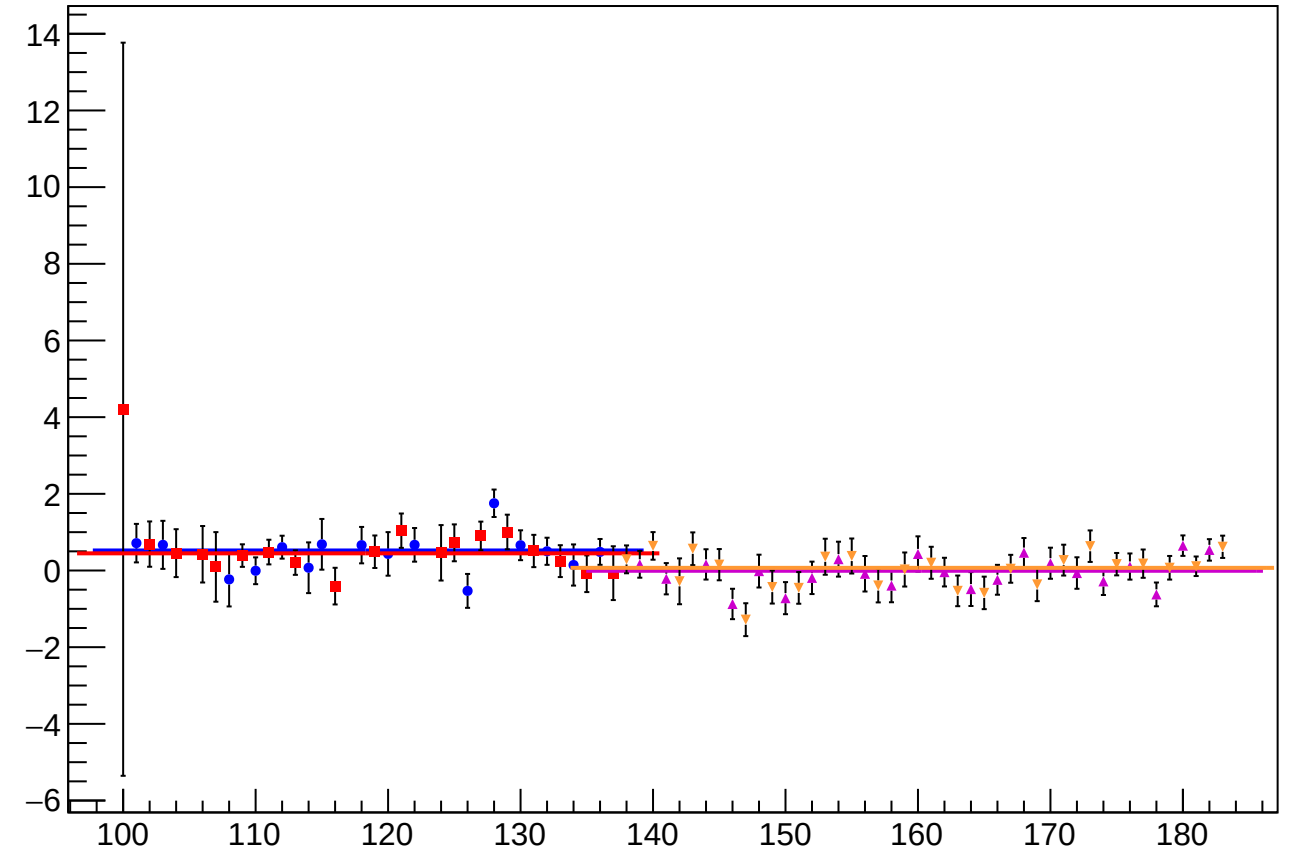
Left: 0.028+/-0.002 χ^2/NDF: 63.8/44

Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.033+/-0.003 χ^2/NDF:65.6/37

Out: 0.027+/-0.003 χ^2/NDF:10045.7/40

All: 0.030+/-0.002 χ^2/NDF: 10113.4/78



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.069+/-0.078 χ^2/NDF:31.1/23

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: 0.032+/-0.056 χ^2/NDF: 60.1/45

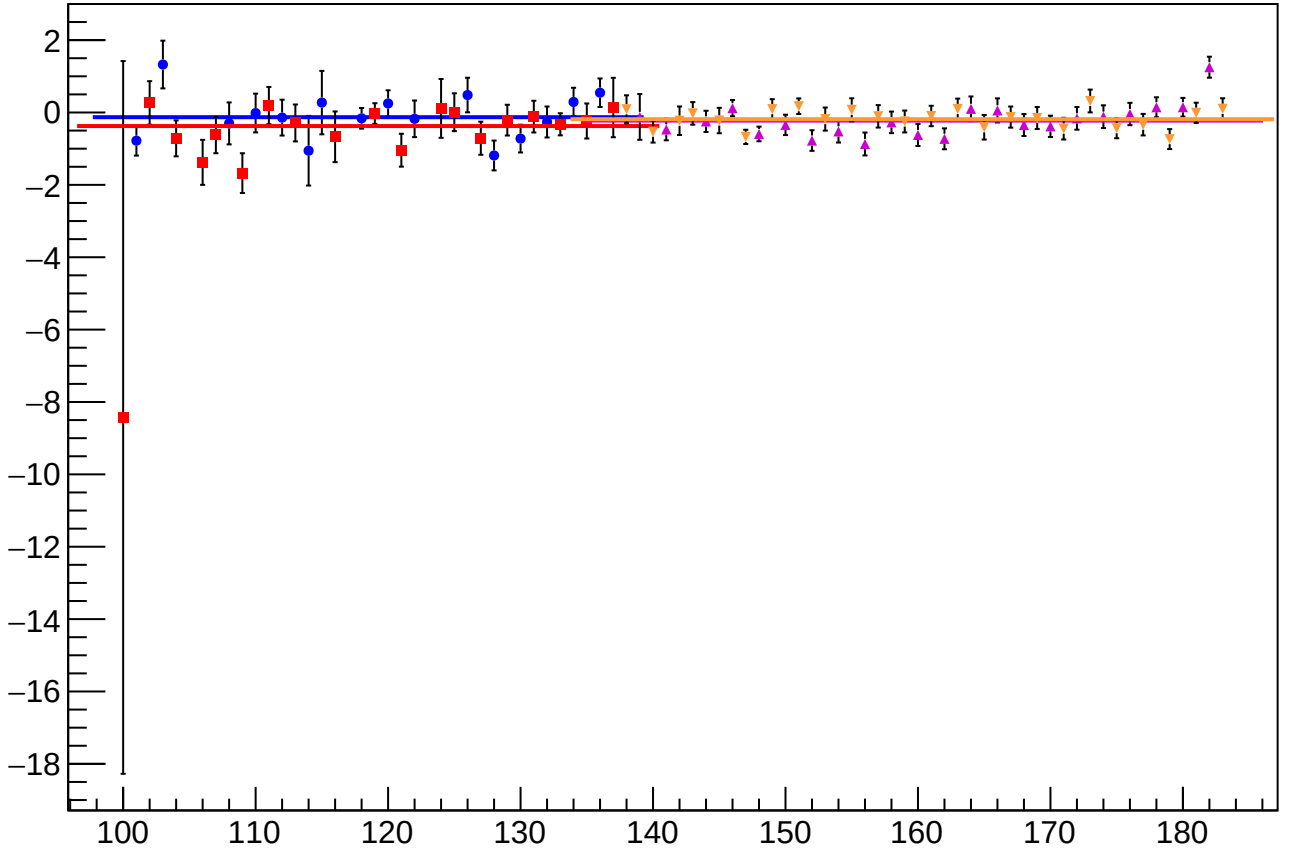
Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.181+/-0.065 χ^2/NDF:66.5/37

Out: 0.203+/-0.063 χ^2/NDF:50.9/42

All: 0.192+/-0.045 χ^2/NDF: 117.5/80

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.185+/-0.059 χ^2/NDF:24.1/23

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: -0.204+/-0.043 χ^2/NDF: 76.7/45

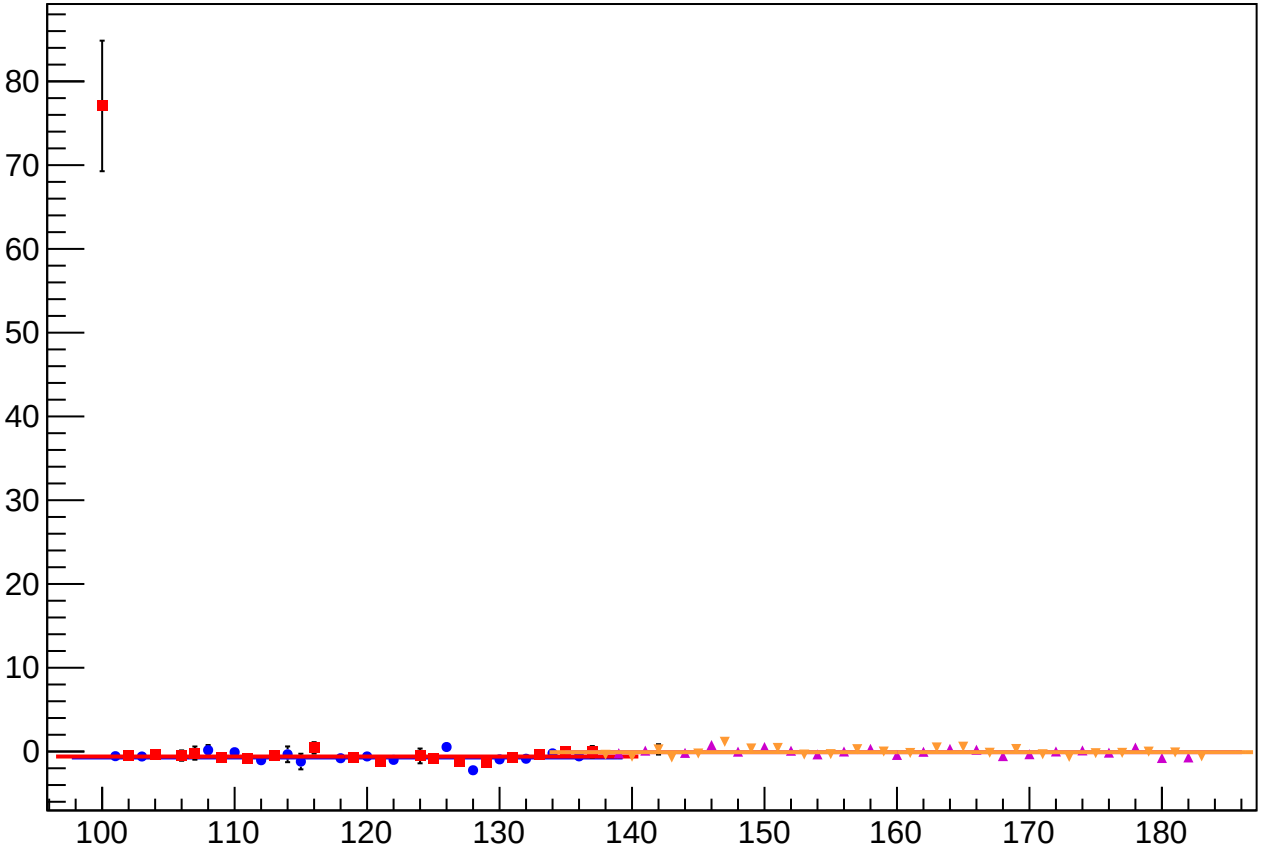
Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.202+/-0.054 χ^2/NDF:77.6/37

Out: -0.227+/-0.052 χ^2/NDF:44.5/42

All: -0.215+/-0.038 χ^2/NDF: 122.2/80

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.079+/-0.077 χ^2/NDF:30.0/23

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: -0.074+/-0.080 χ^2/NDF:28.3/21

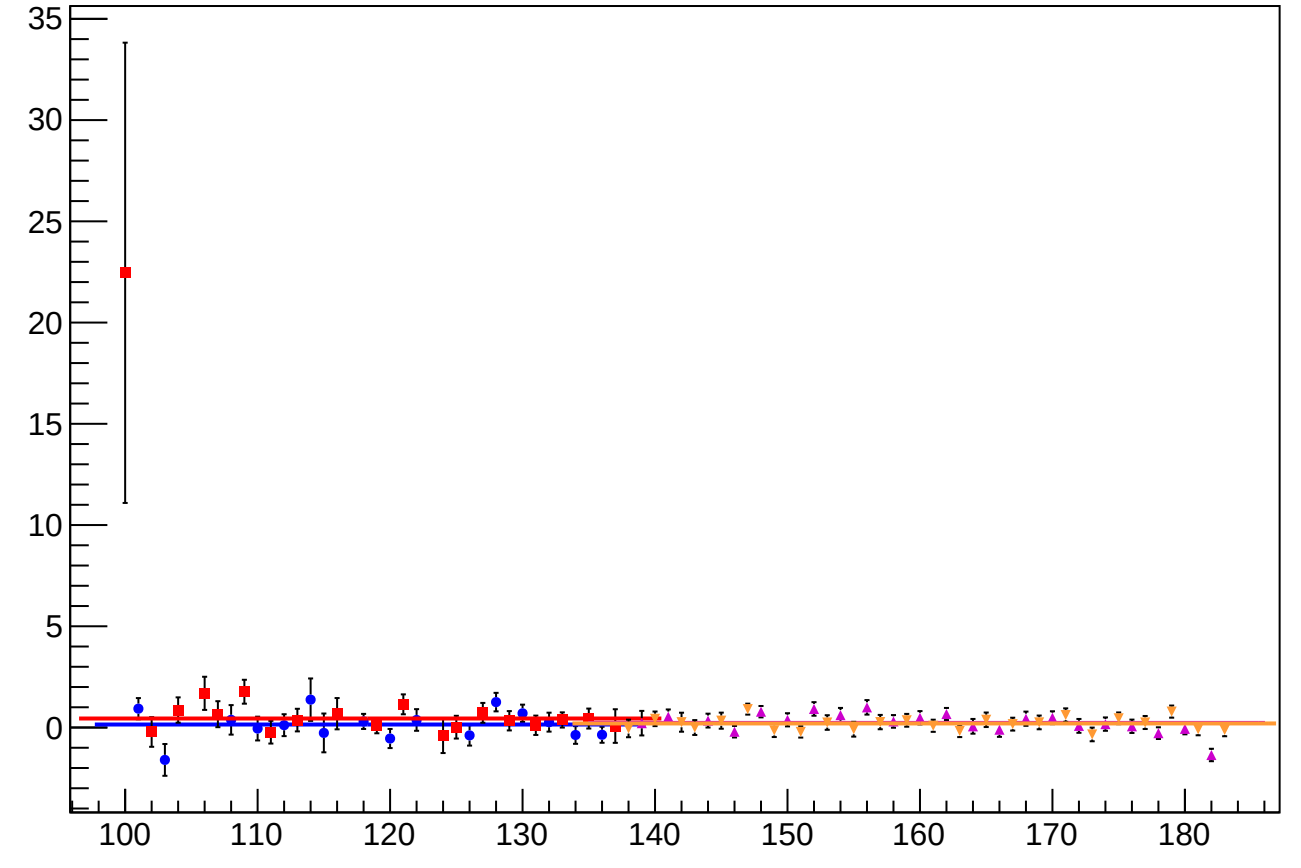
Left: -0.076+/-0.055 χ^2/NDF: 58.3/45

Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.266+/-0.067 χ^2/NDF:72.5/37

Out: -0.227+/-0.065 χ^2/NDF:153.9/42

All: -0.246+/-0.047 χ^2/NDF: 226.6/80



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.201+/-0.067 χ^2/NDF:24.9/23

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.227+/-0.070 χ^2/NDF:53.5/21

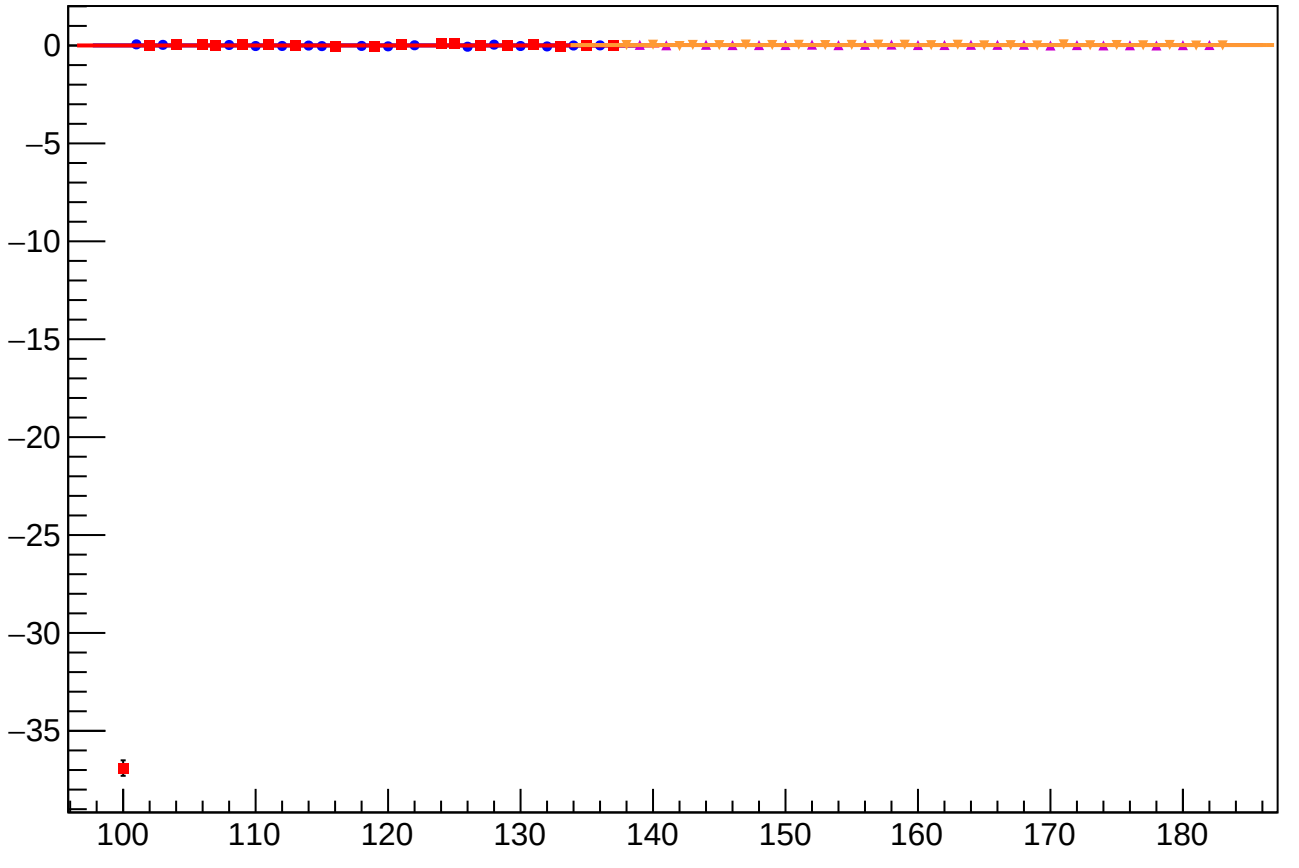
Left: 0.213+/-0.048 χ^2/NDF: 78.5/45

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.209+/-0.061 χ^2/NDF:77.0/37

Out: 0.253+/-0.060 χ^2/NDF:47.5/42

All: 0.232+/-0.043 χ^2/NDF: 124.8/80



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.024+/-0.003 χ^2/NDF:29.6/23

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.025+/-0.003 χ^2/NDF:17.1/21

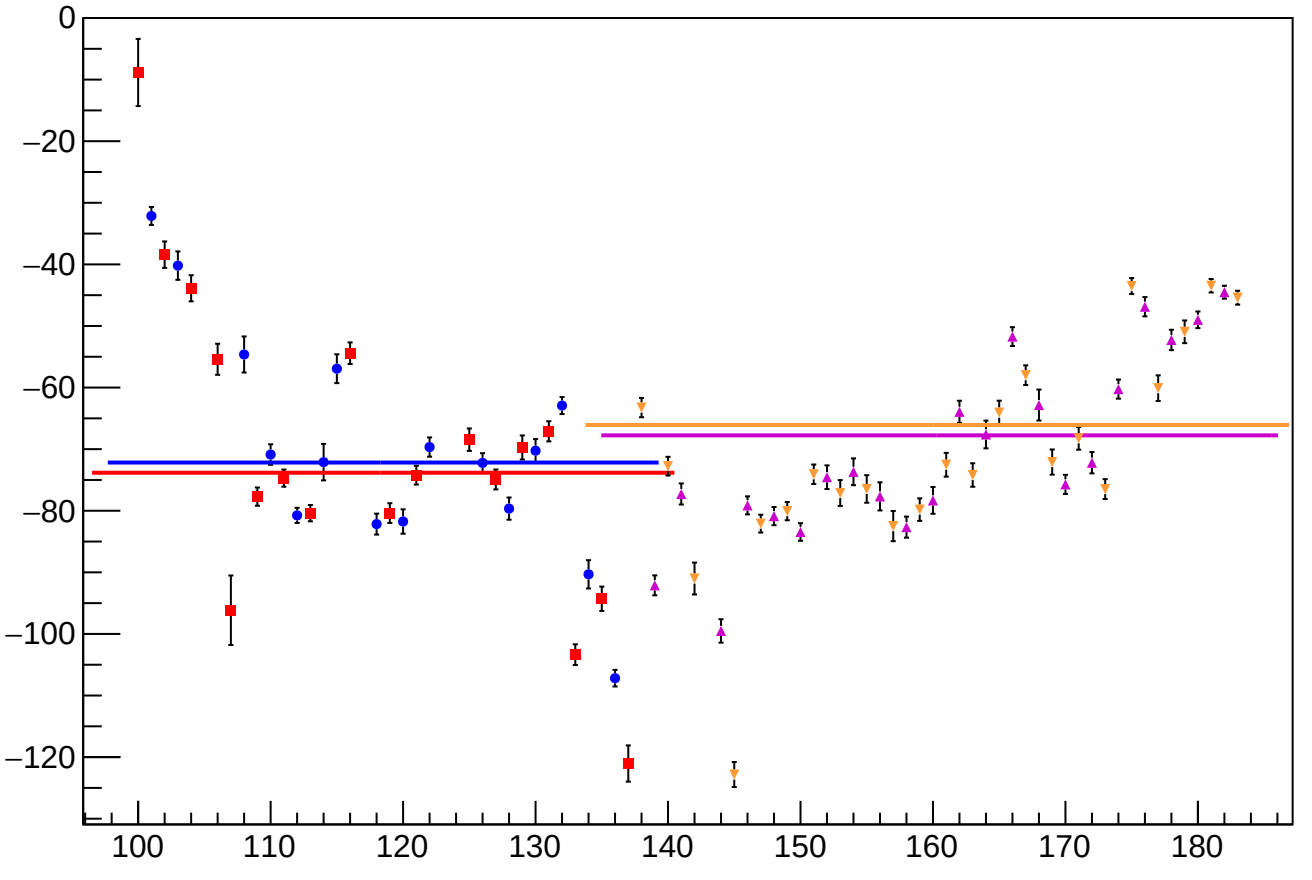
Left: 0.024+/-0.002 χ^2/NDF: 46.7/45

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:8790.1/42

All: 0.021+/-0.002 χ^2/NDF: 8830.1/80



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -66.073+/-0.347 χ^2/NDF:2528.9/22

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -67.760+/-0.351 χ^2/NDF:2056.3/21

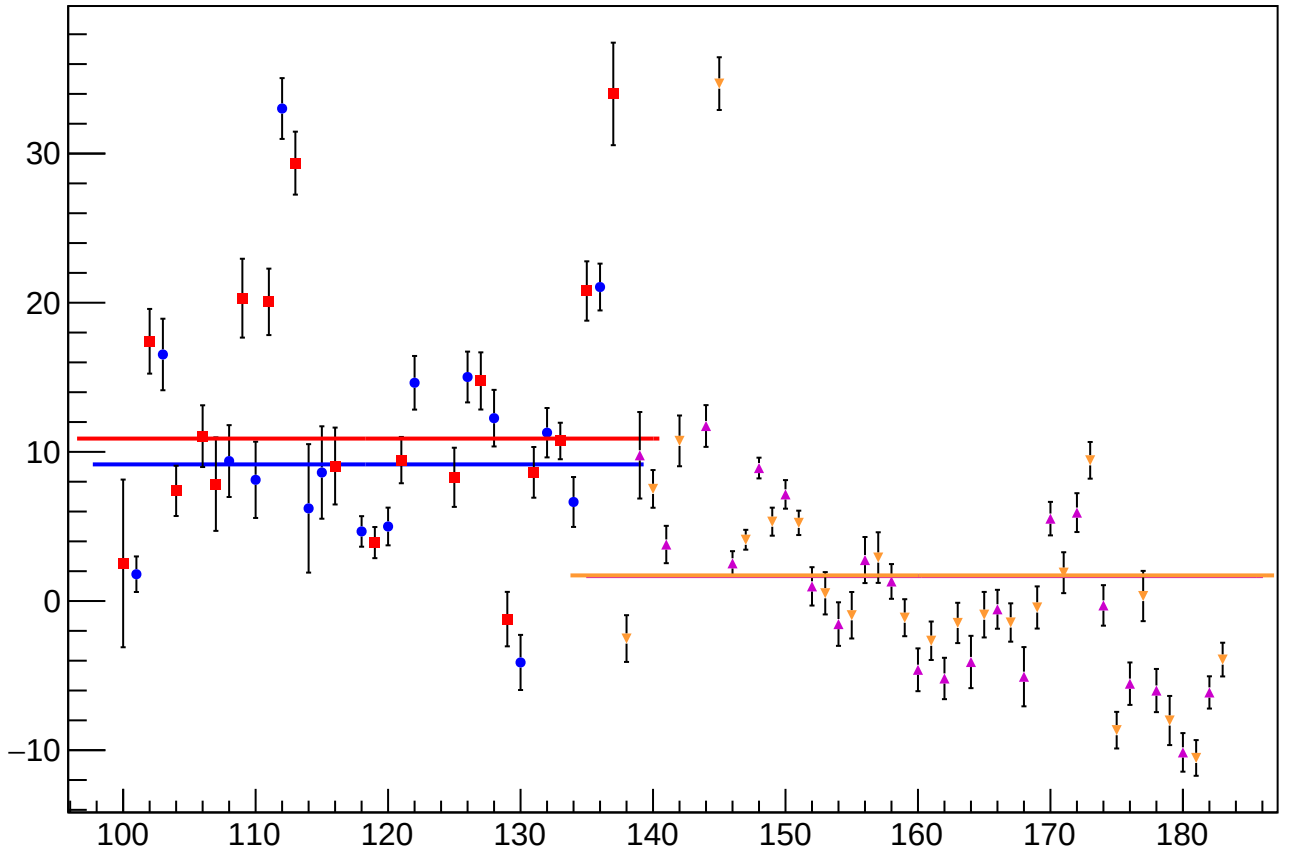
Left: -66.907+/-0.247 χ^2/NDF: 4596.9/44

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -69.514+/-0.272 χ^2/NDF:4055.1/37

Out: -69.127+/-0.270 χ^2/NDF:4283.4/40

All: -69.319+/-0.192 χ^2/NDF: 8339.6/78



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 1.717+/-0.256 χ^2/NDF:764.2/22

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 1.672+/-0.261 χ^2/NDF:493.3/21

Left: 1.695+/-0.183 χ^2/NDF: 1257.5/44

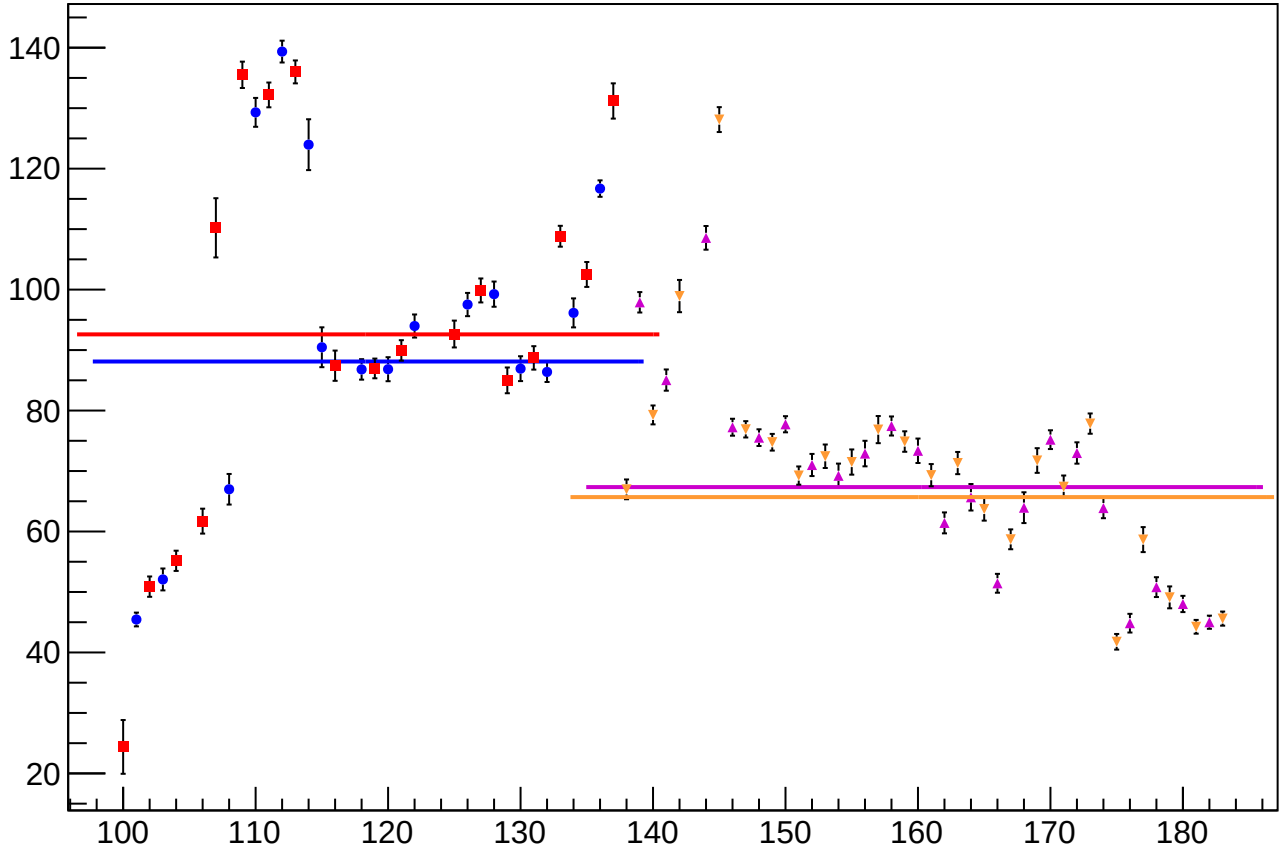
Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 3.722+/-0.222 χ^2/NDF:1070.8/37

Out: 4.039+/-0.221 χ^2/NDF:1378.9/40

All: 3.881+/-0.157 χ^2/NDF: 2450.8/78

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: 65.689+/-0.343 χ^2/NDF:2527.7/22

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 67.345+/-0.346 χ^2/NDF:2180.3/21

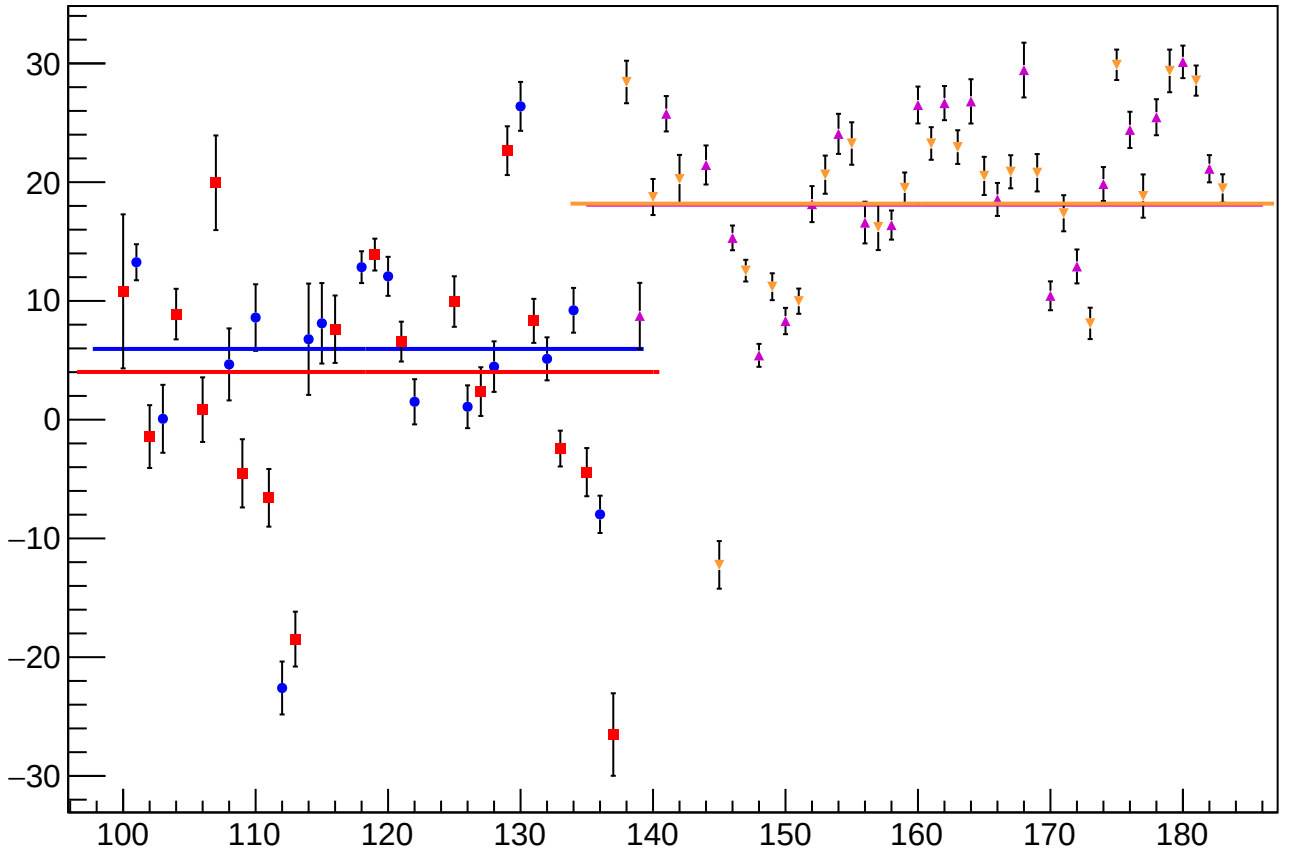
Left: 66.510+/-0.244 χ^2/NDF: 4719.5/44

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 74.681+/-0.279 χ^2/NDF:7011.8/37

Out: 74.719+/-0.280 χ^2/NDF:7799.4/40

All: 74.700+/-0.197 χ^2/NDF: 14811.2/78



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 18.192+/-0.294 χ^2/NDF:694.2/22

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 18.106+/-0.298 χ^2/NDF:604.7/21

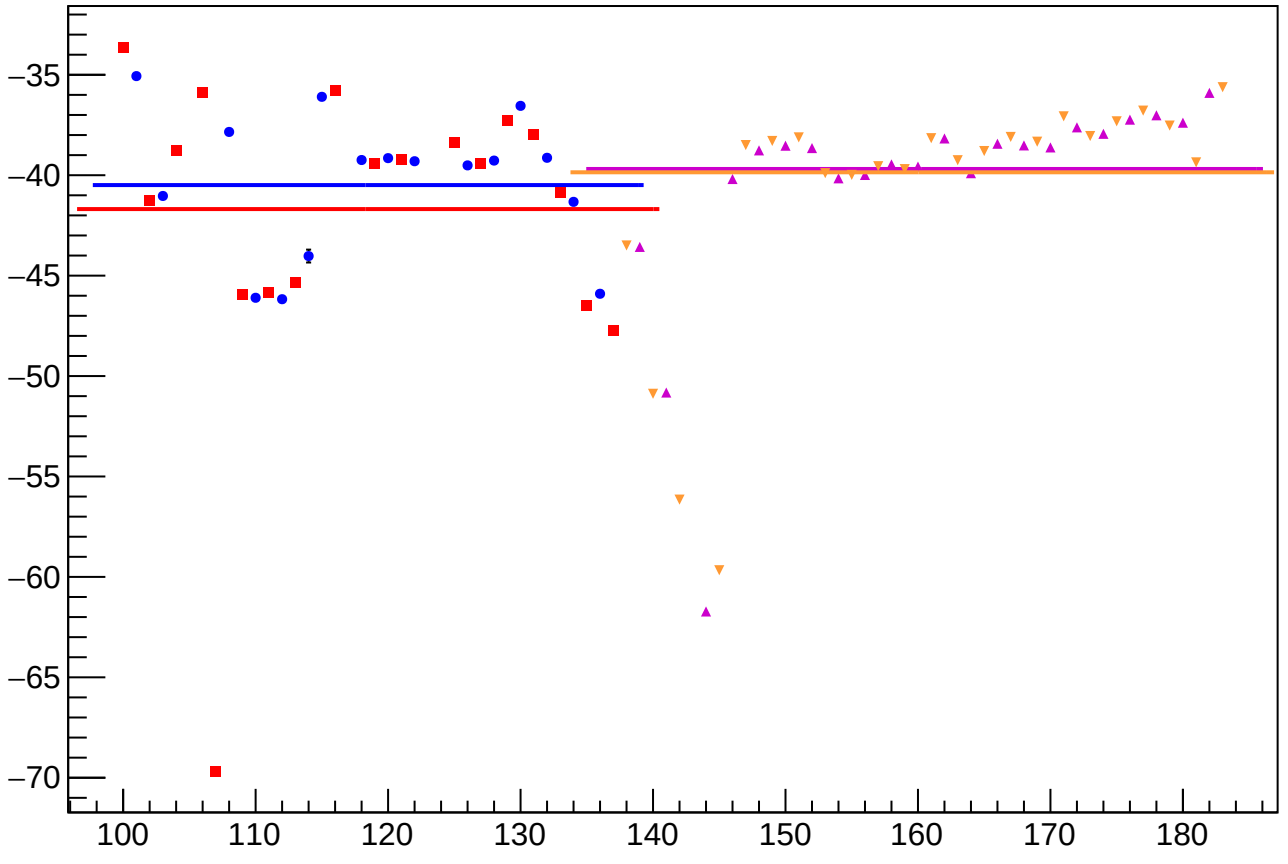
Left: 18.150+/-0.209 χ^2/NDF: 1298.9/44

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 14.867+/-0.255 χ^2/NDF:1473.8/37

Out: 14.647+/-0.255 χ^2/NDF:1692.1/40

All: 14.757+/-0.180 χ^2/NDF: 3166.2/78



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -39.854+/-0.014 χ^2/NDF:127953.8/22

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -39.689+/-0.014 χ^2/NDF:105163.2/21

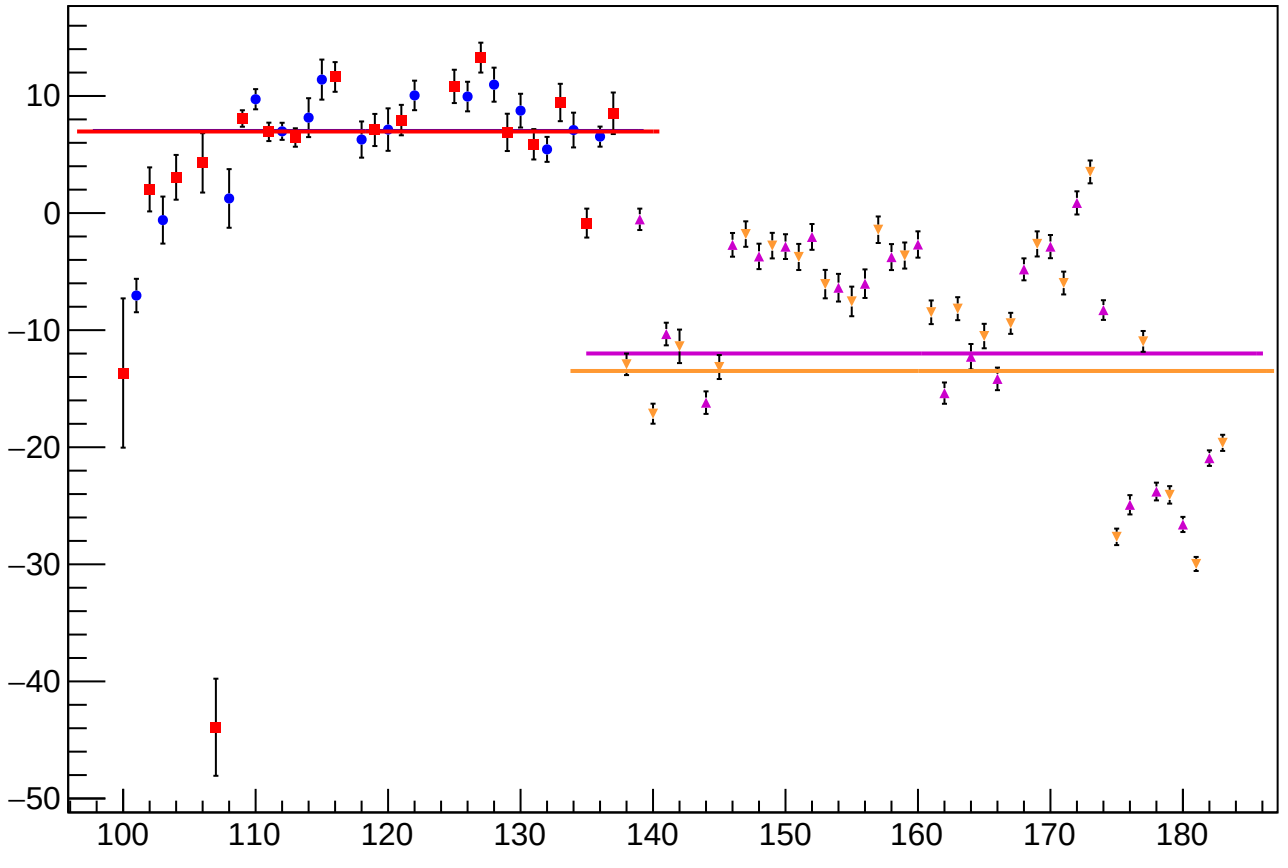
Left: -39.771+/-0.010 χ^2/NDF: 233191.2/44

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -39.838+/-0.012 χ^2/NDF:123941.3/37

Out: -40.181+/-0.012 χ^2/NDF:168012.9/40

All: -40.008+/-0.009 χ^2/NDF: 292342.8/78



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -13.486+/-0.194 χ^2/NDF:2556.1/22

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -11.993+/-0.198 χ^2/NDF:2176.4/21

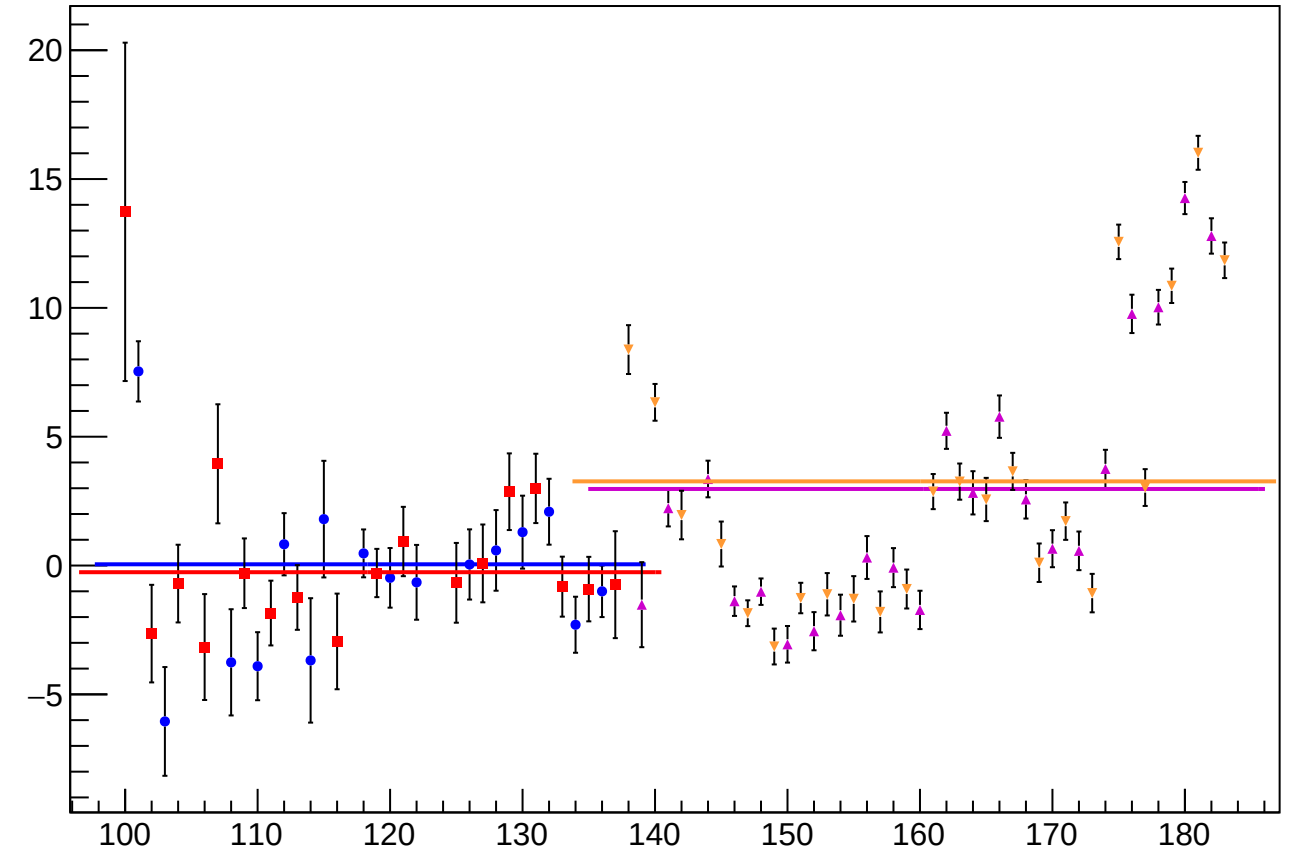
Left: -12.754+/-0.139 χ^2/NDF: 4761.5/44

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: -6.462+/-0.167 χ^2/NDF:5010.0/37

Out: -7.389+/-0.163 χ^2/NDF:6124.6/40

All: -6.937+/-0.117 χ^2/NDF: 11150.4/78



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 3.267+/-0.150 χ^2/NDF:1340.6/22

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 2.972+/-0.153 χ^2/NDF:1128.3/21

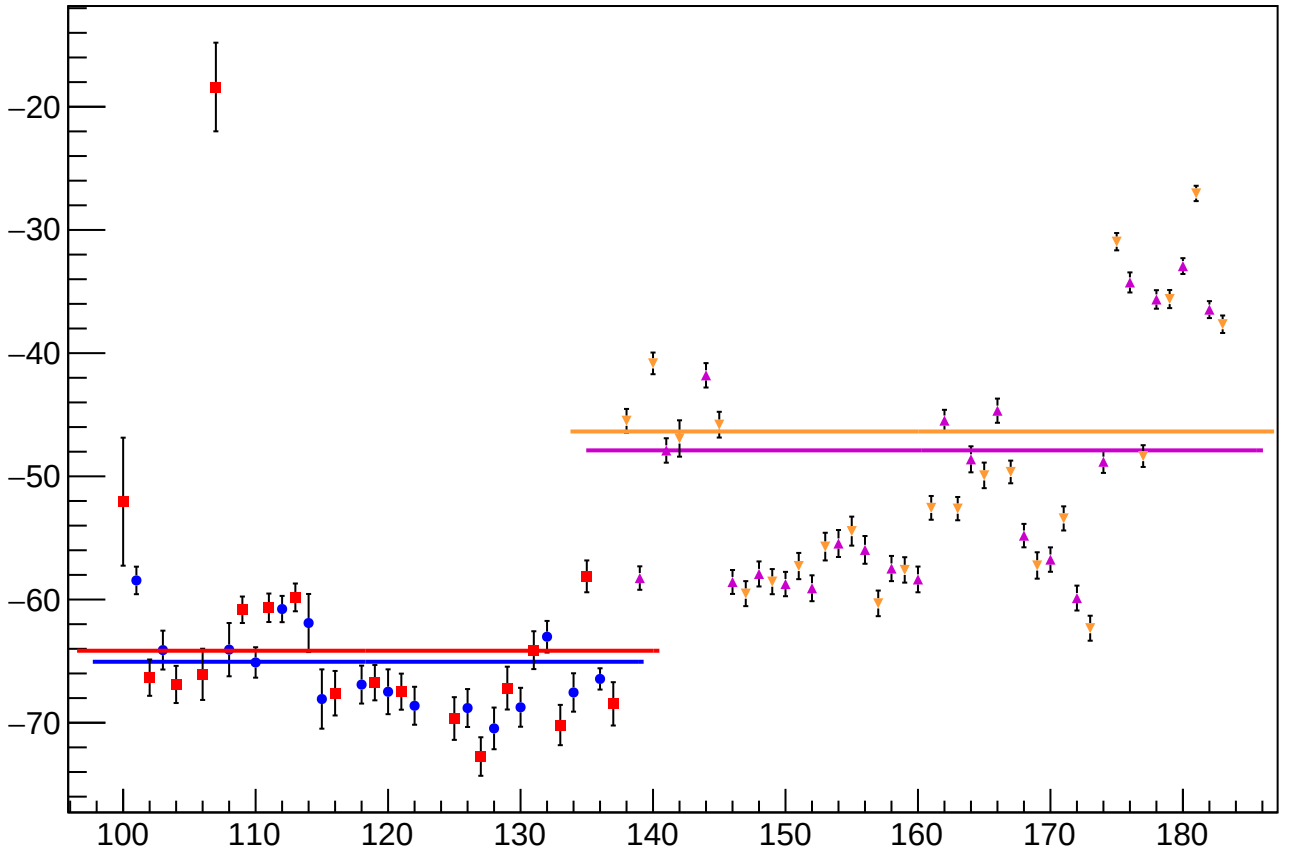
Left: 3.123+/-0.107 χ^2/NDF: 2470.8/44

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: 2.457+/-0.139 χ^2/NDF:1267.4/37

Out: 2.704+/-0.138 χ^2/NDF:1456.2/40

All: 2.582+/-0.098 χ^2/NDF: 2725.1/78



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -46.358+/-0.193 χ^2/NDF:3198.8/22

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -47.892+/-0.196 χ^2/NDF:2554.1/21

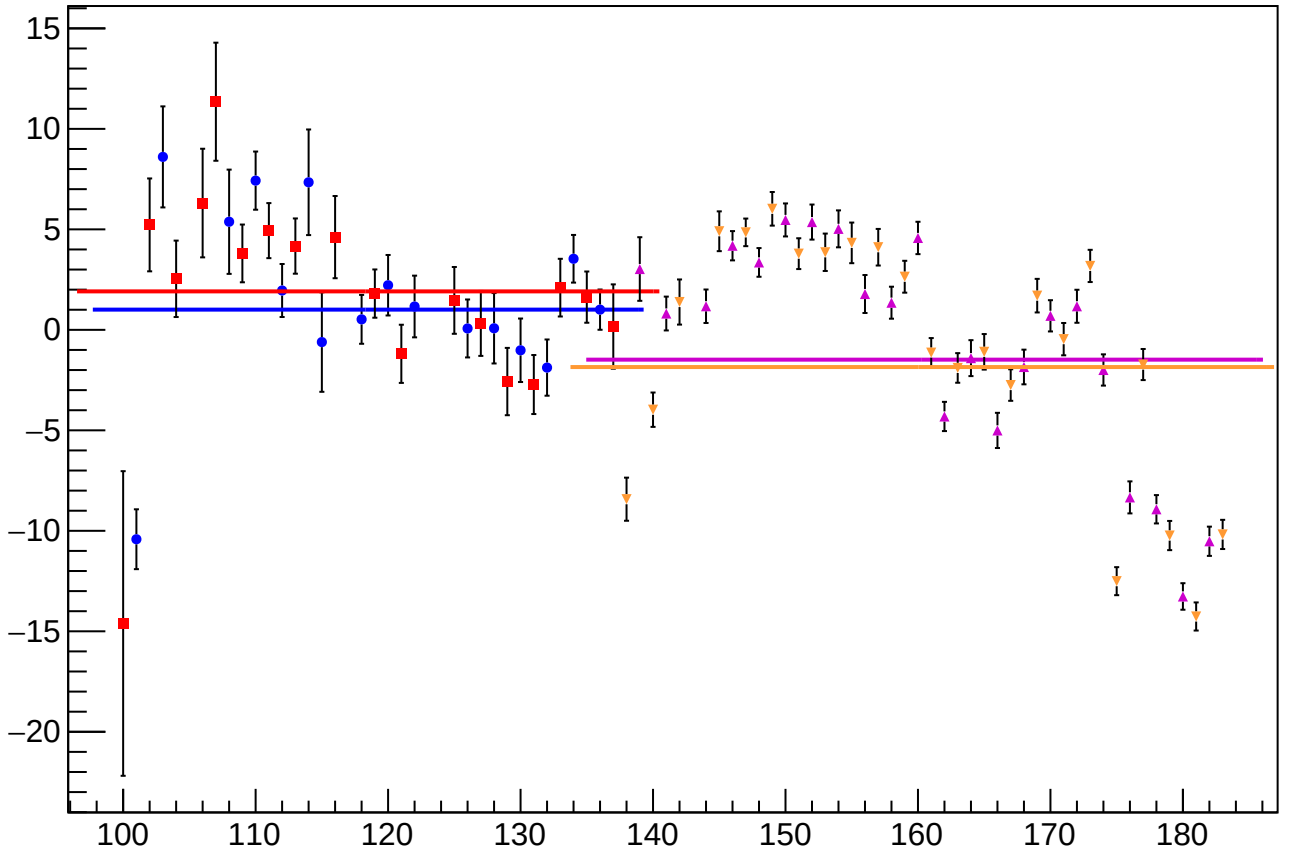
Left: -47.112+/-0.138 χ^2/NDF: 5784.0/44

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -51.926+/-0.172 χ^2/NDF:4444.0/37

Out: -50.322+/-0.170 χ^2/NDF:5397.5/40

All: -51.117+/-0.121 χ^2/NDF: 9885.5/78



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -1.852+/-0.169 χ^2/NDF:1363.5/22

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: -1.483+/-0.172 χ^2/NDF:1105.7/21

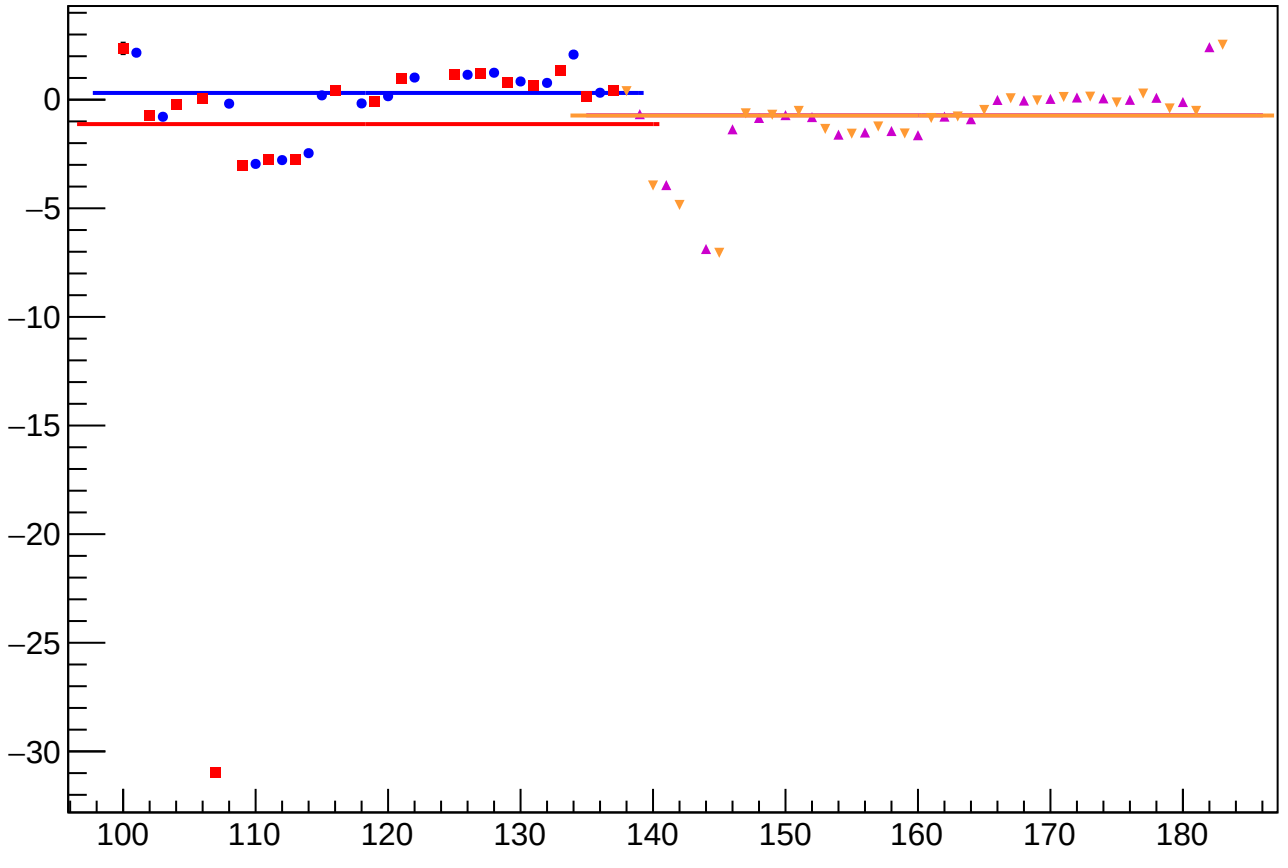
Left: -1.671+/-0.121 χ^2/NDF: 2471.4/44

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: -1.050+/-0.157 χ^2/NDF:1251.2/37

Out: -1.255+/-0.155 χ^2/NDF:1496.5/40

All: -1.154+/-0.110 χ^2/NDF: 2748.6/78



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -0.729+/-0.008 χ^2/NDF:51643.6/22

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -0.718+/-0.008 χ^2/NDF:41244.2/21

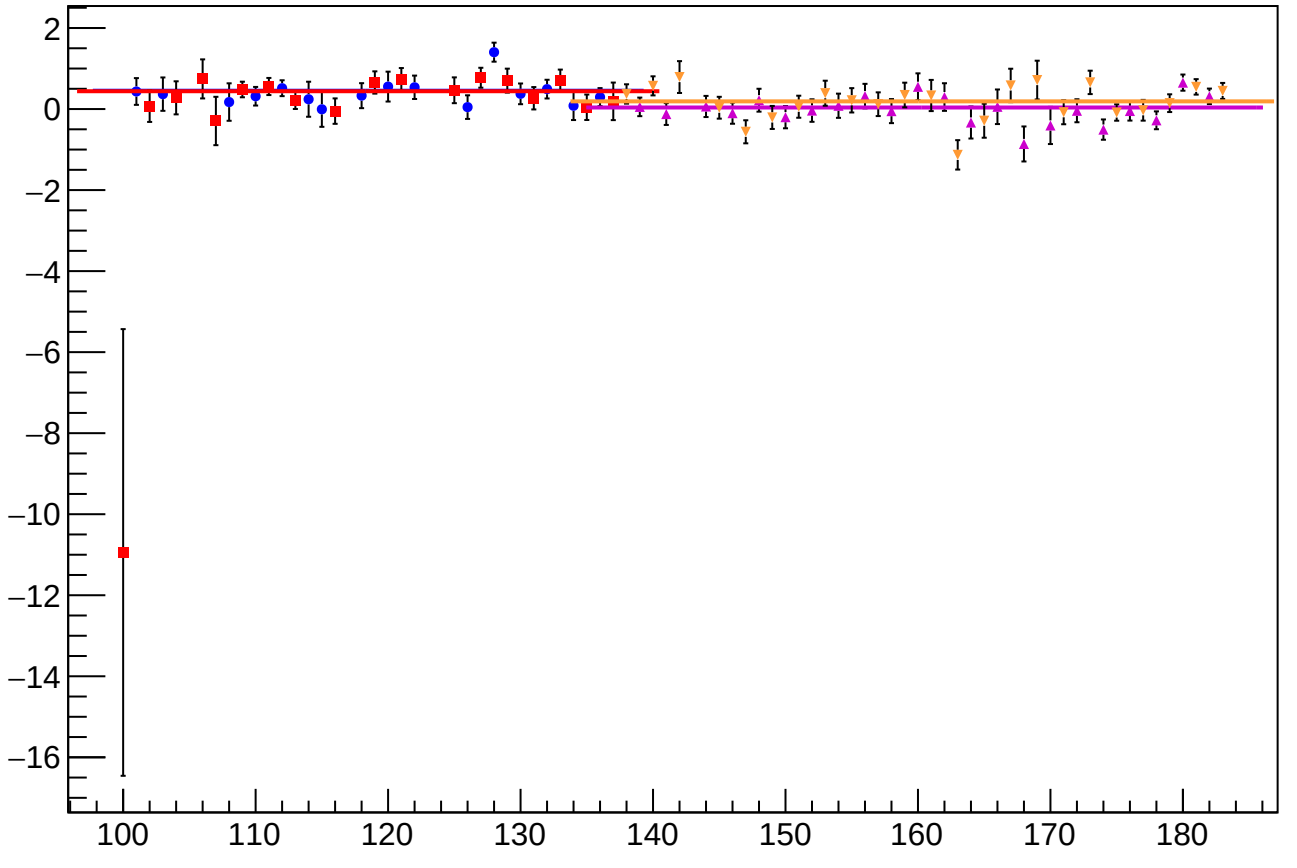
Left: -0.723+/-0.005 χ^2/NDF: 92888.9/44

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -0.599+/-0.007 χ^2/NDF:48200.4/37

Out: -0.770+/-0.007 χ^2/NDF:98274.9/40

All: -0.684+/-0.005 χ^2/NDF: 146759.6/78



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.190+/-0.057 χ^2/NDF:43.9/22

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: 0.115+/-0.041 χ^2/NDF: 77.8/44

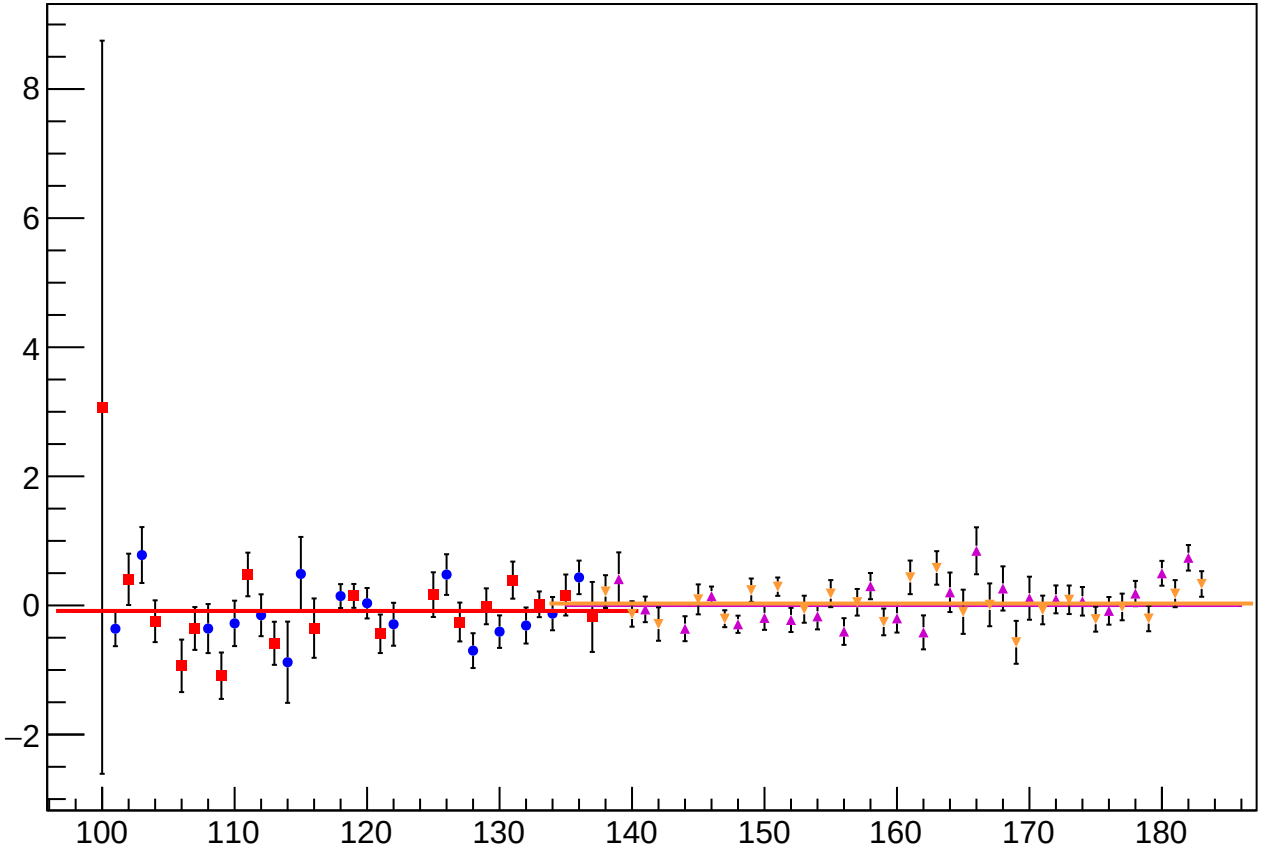
Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.205+/-0.045 χ^2/NDF:73.4/37

Out: 0.291+/-0.044 χ^2/NDF:70.1/40

All: 0.249+/-0.032 χ^2/NDF: 145.3/78

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.029+/-0.044 χ^2/NDF:29.8/22

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: 0.006+/-0.045 χ^2/NDF:51.3/21

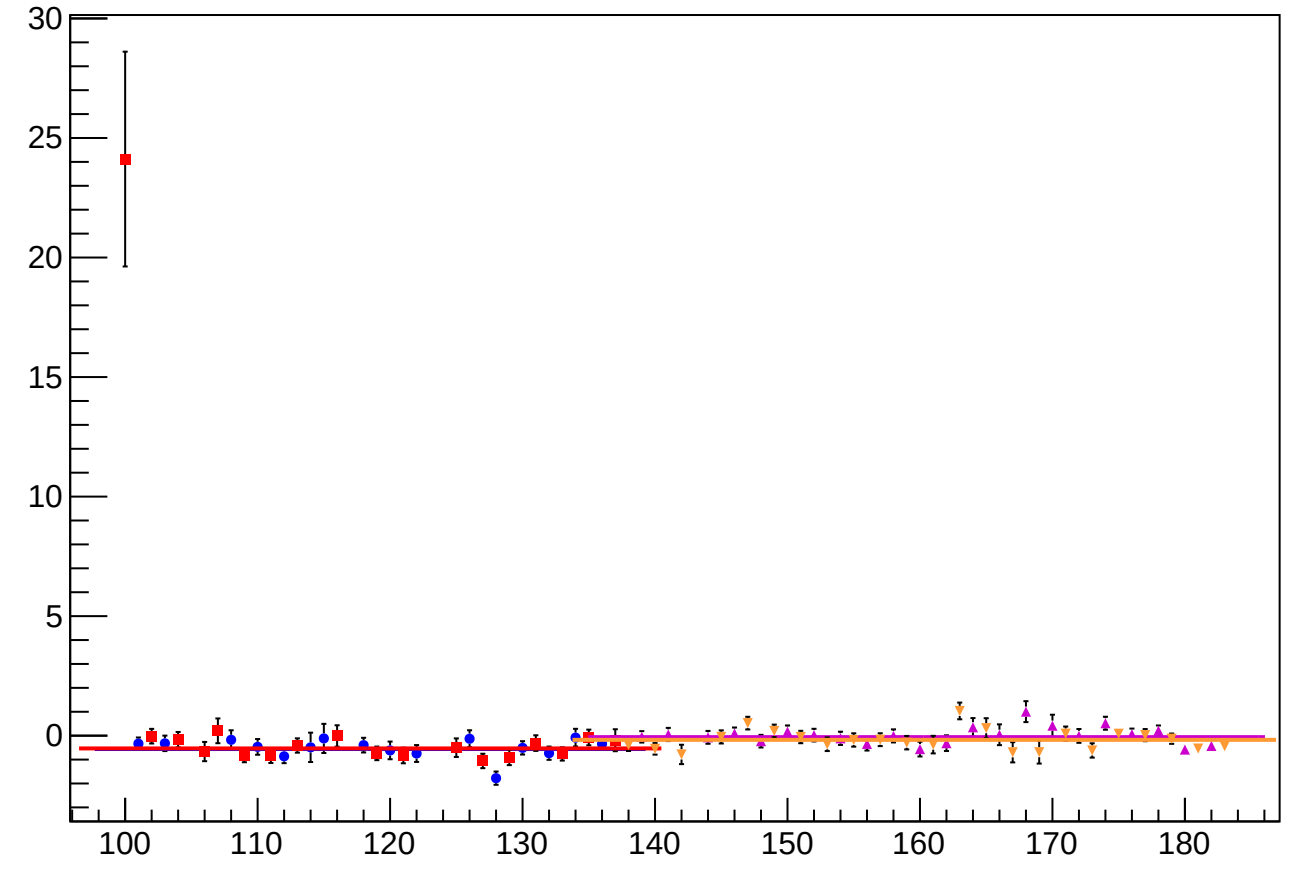
Left: 0.018+/-0.031 χ^2/NDF: 81.2/44

Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.019+/-0.038 χ^2/NDF:77.8/37

Out: -0.000+/-0.037 χ^2/NDF:59.5/40

All: -0.009+/-0.027 χ^2/NDF: 137.4/78



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.175+/-0.057 χ^2/NDF:41.9/22

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: -0.119+/-0.040 χ^2/NDF: 75.0/44

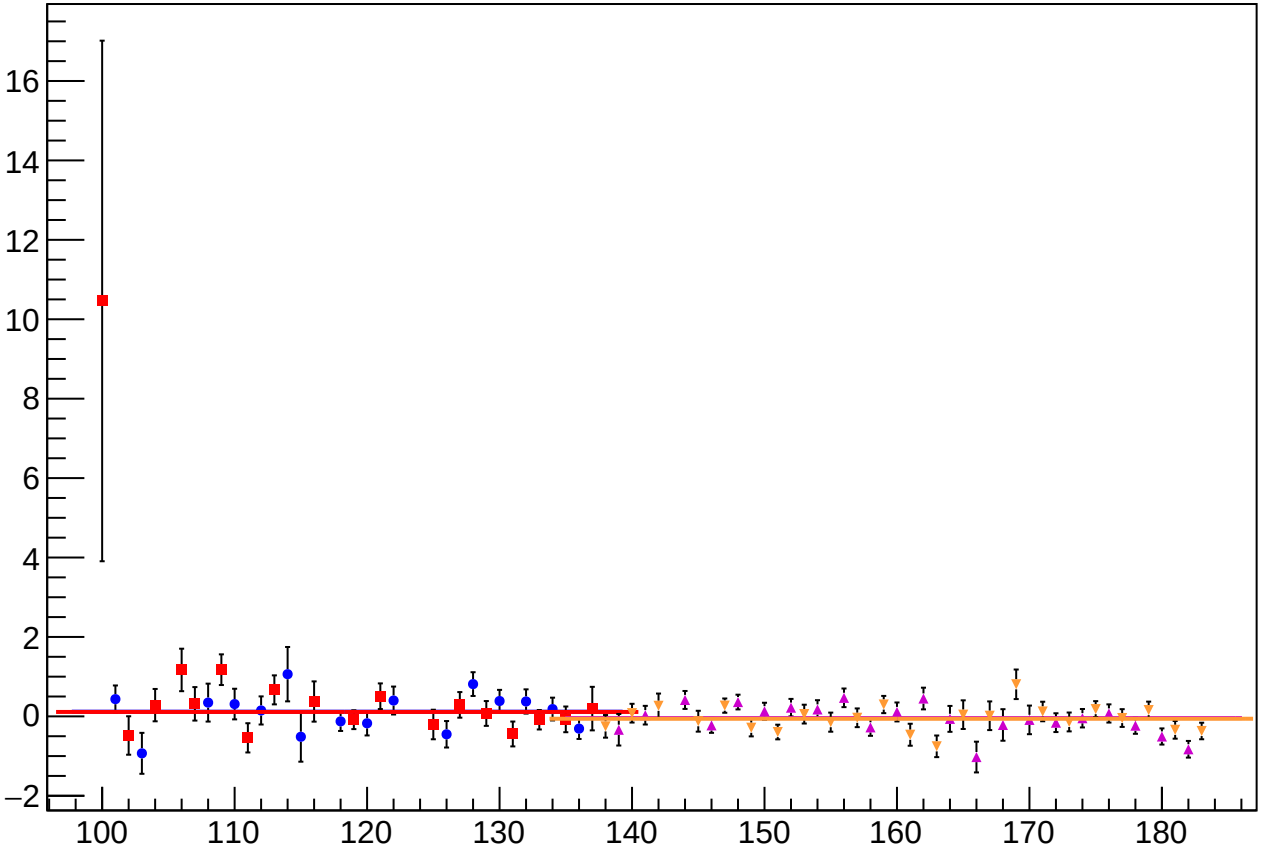
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.232+/-0.047 χ^2/NDF:85.1/37

Out: -0.293+/-0.046 χ^2/NDF:104.3/40

All: -0.263+/-0.033 χ^2/NDF: 190.3/78

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: -0.060+/-0.050 χ^2/NDF:33.9/22

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: -0.043+/-0.051 χ^2/NDF:50.1/21

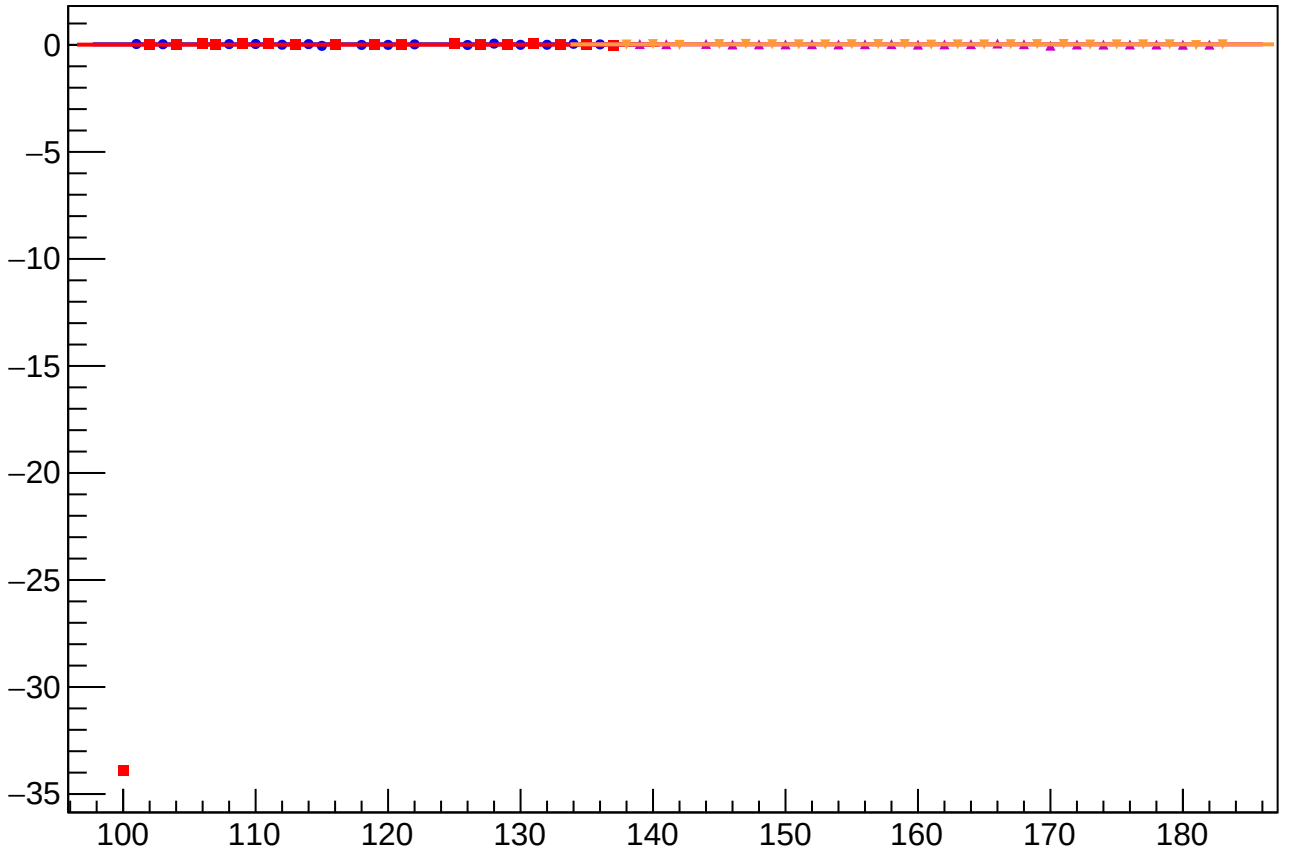
Left: -0.052+/-0.035 χ^2/NDF: 84.1/44

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: -0.000+/-0.043 χ^2/NDF:76.5/37

Out: -0.016+/-0.043 χ^2/NDF:65.9/40

All: -0.008+/-0.030 χ^2/NDF: 142.5/78



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.026+/-0.002 χ^2/NDF:28.6/22

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.026+/-0.002 χ^2/NDF:39.3/21

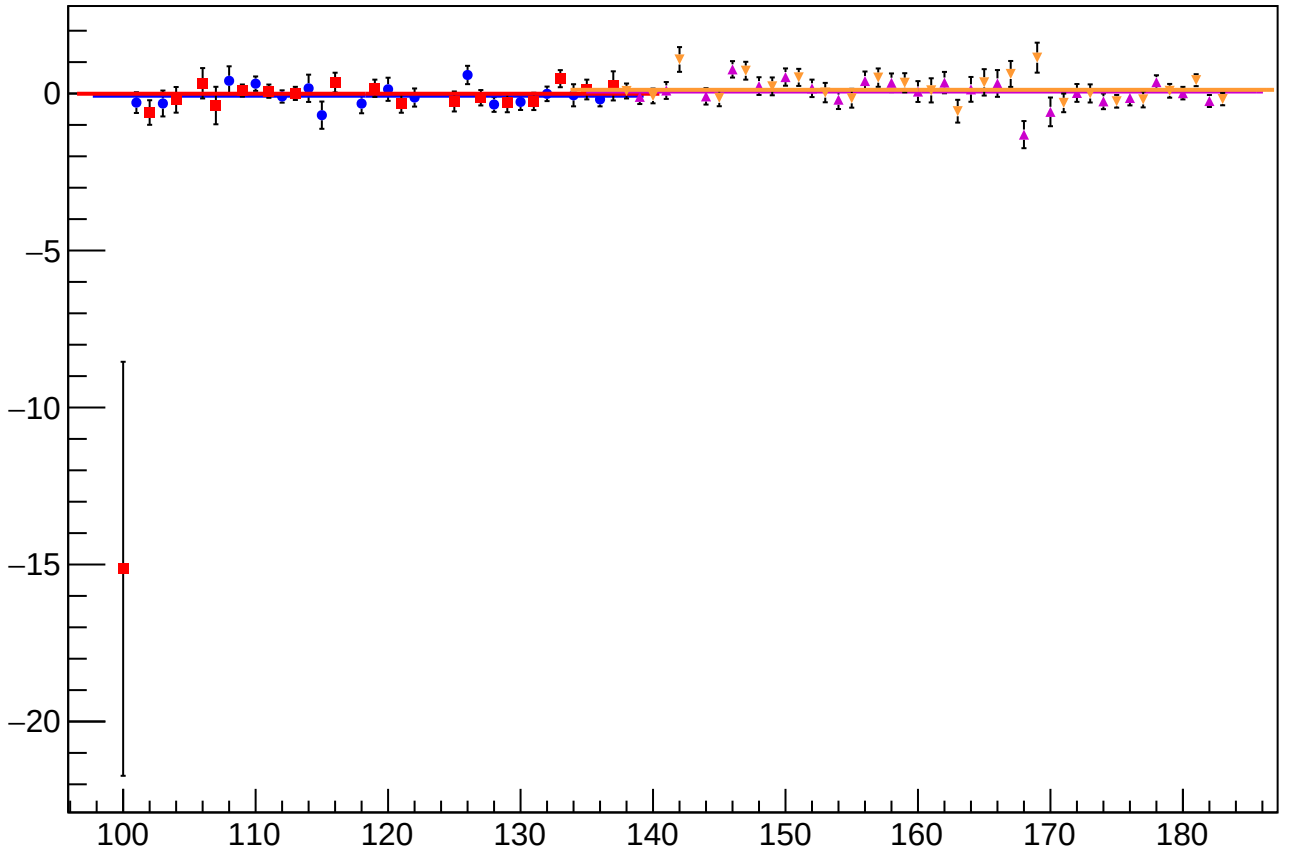
Left: 0.026+/-0.002 χ^2/NDF: 67.9/44

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.027+/-0.002 χ^2/NDF:54.0/37

Out: 0.023+/-0.002 χ^2/NDF:22297.5/40

All: 0.025+/-0.001 χ^2/NDF: 22352.7/78



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.117+/-0.057 χ^2/NDF:39.2/22

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.063+/-0.058 χ^2/NDF:34.2/21

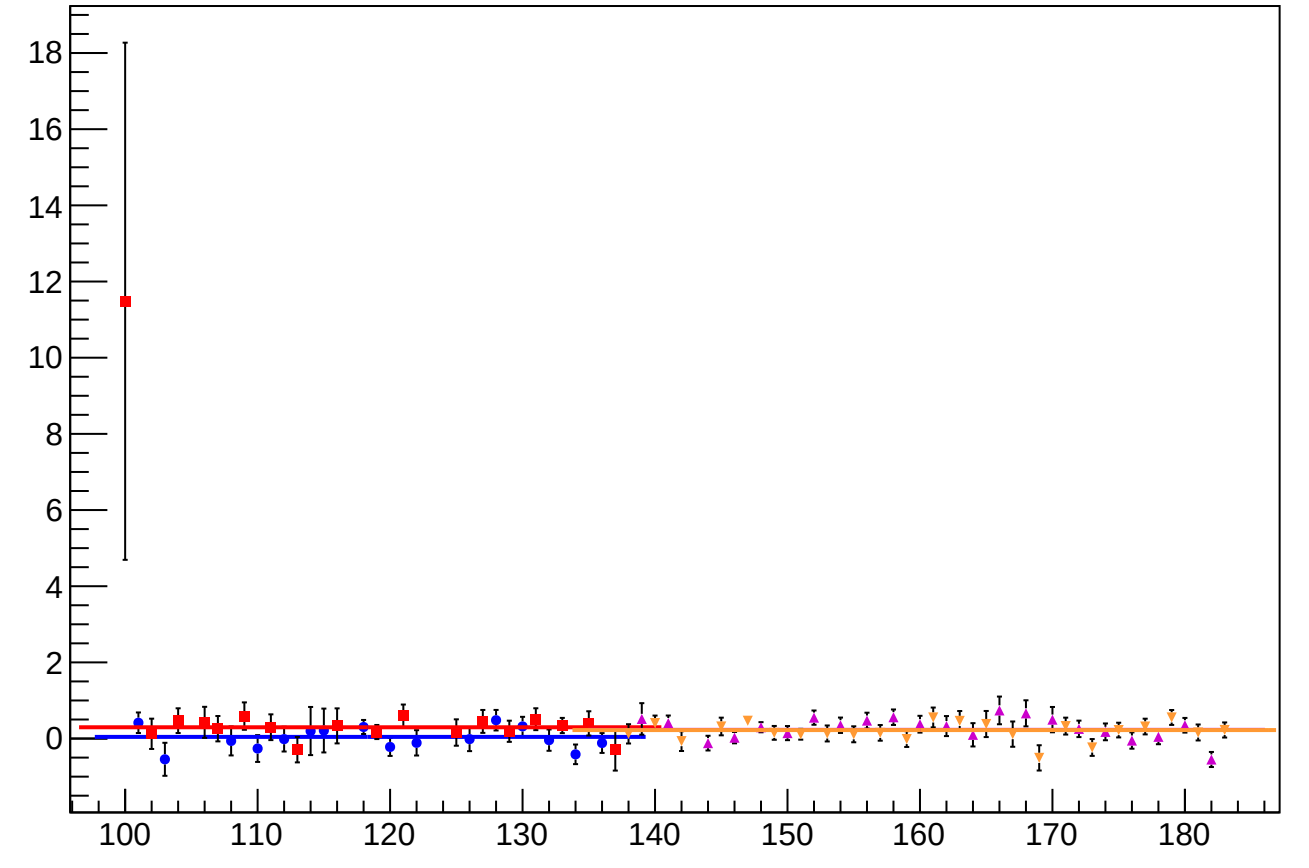
Left: 0.091+/-0.041 χ^2/NDF: 73.9/44

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.010+/-0.045 χ^2/NDF:51.9/37

Out: 0.067+/-0.044 χ^2/NDF:59.3/40

All: 0.039+/-0.032 χ^2/NDF: 112.0/78



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.223+/-0.044 χ^2/NDF:23.8/22

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.228+/-0.045 χ^2/NDF:37.8/21

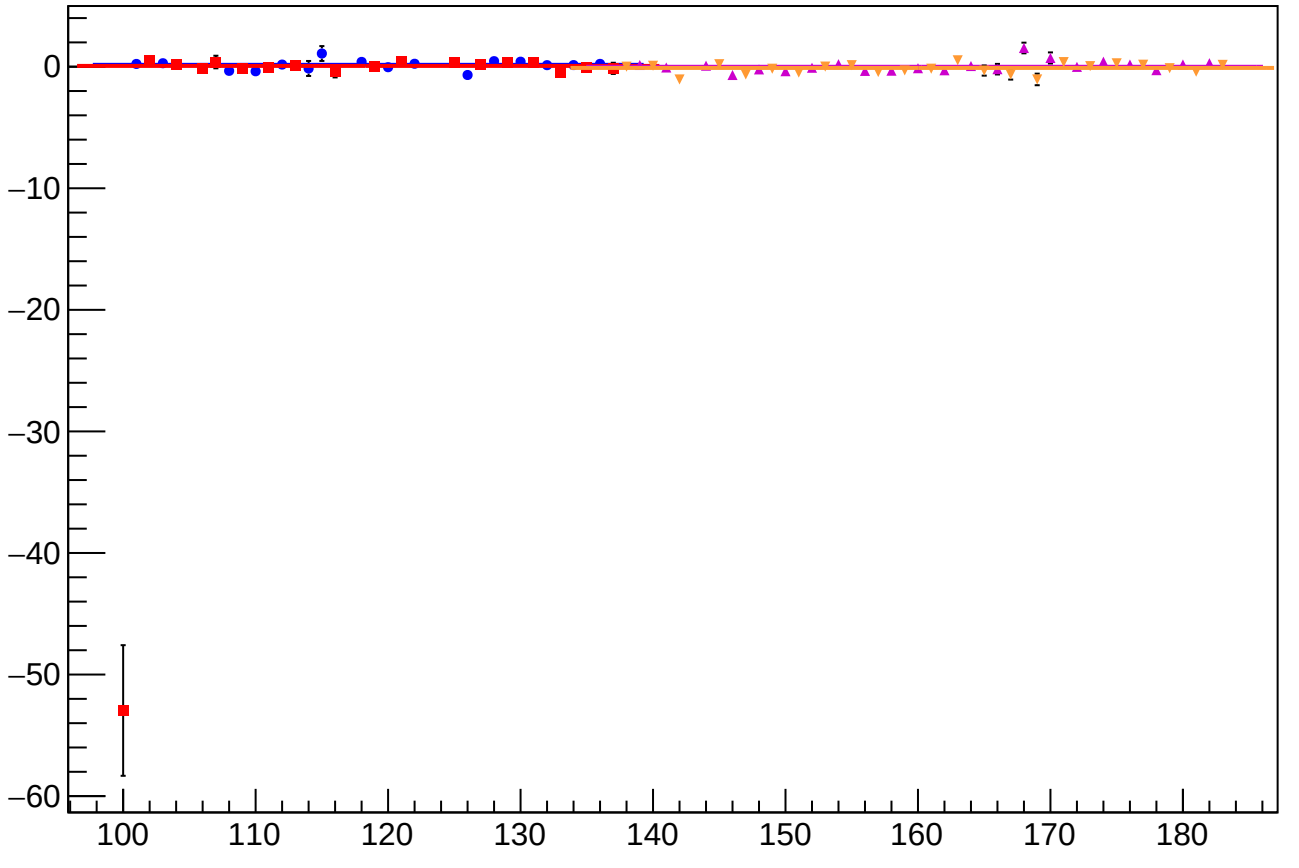
Left: 0.225+/-0.031 χ^2/NDF: 61.6/44

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:35.6/40

All: 0.210+/-0.027 χ^2/NDF: 95.2/78



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.100+/-0.057 χ^2/NDF:37.1/22

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.007+/-0.058 χ^2/NDF:37.9/21

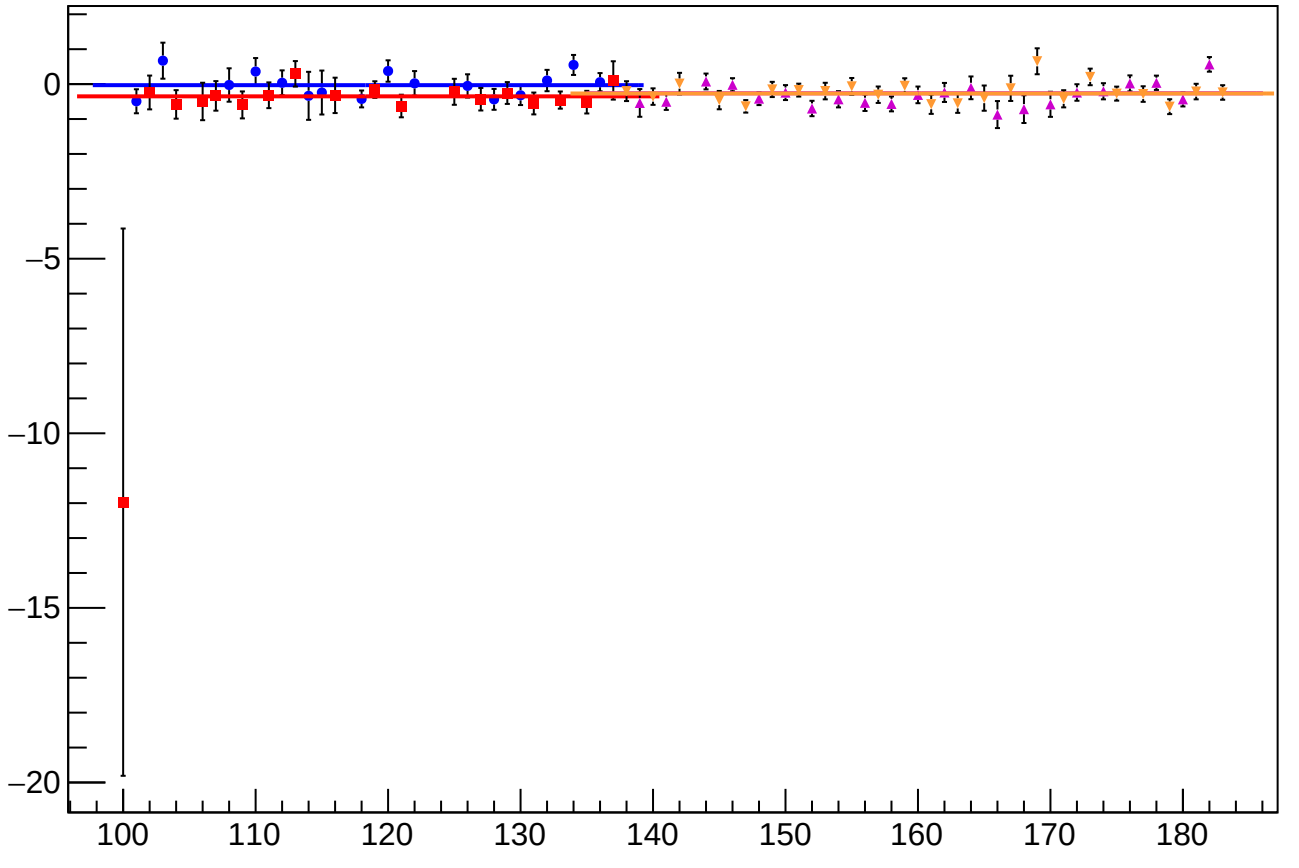
Left: -0.054+/-0.040 χ^2/NDF: 76.3/44

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.048+/-0.047 χ^2/NDF:56.1/37

Out: -0.046+/-0.046 χ^2/NDF:149.2/40

All: 0.001+/-0.033 χ^2/NDF: 207.4/78



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.269+/-0.050 χ^2/NDF:24.5/22

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.263+/-0.051 χ^2/NDF:38.9/21

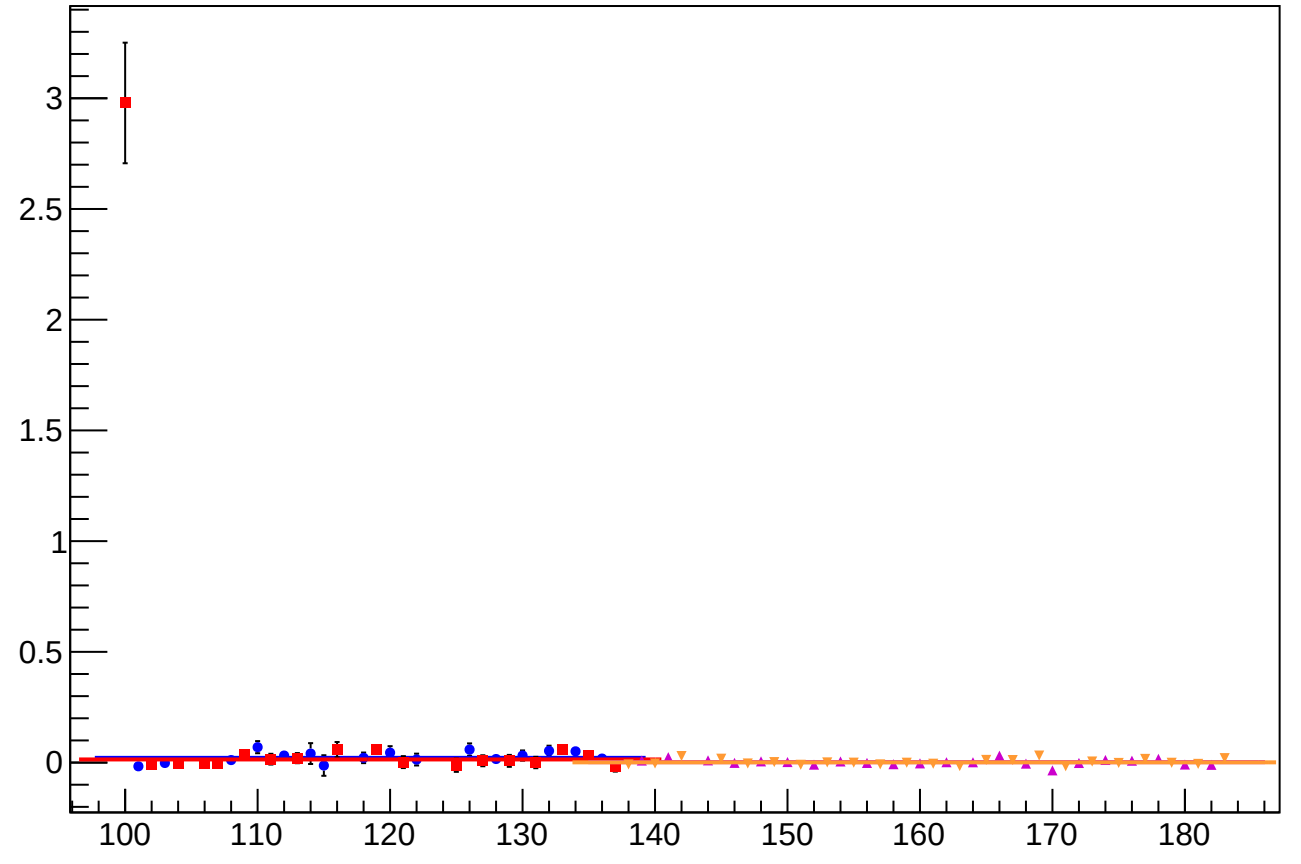
Left: -0.266+/-0.035 χ^2/NDF: 63.5/44

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.201+/-0.043 χ^2/NDF:61.3/37

Out: -0.290+/-0.043 χ^2/NDF:34.7/40

All: -0.246+/-0.030 χ^2/NDF: 98.1/78



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.001+/-0.002 χ^2/NDF:26.3/22

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.002+/-0.002 χ^2/NDF:23.8/21

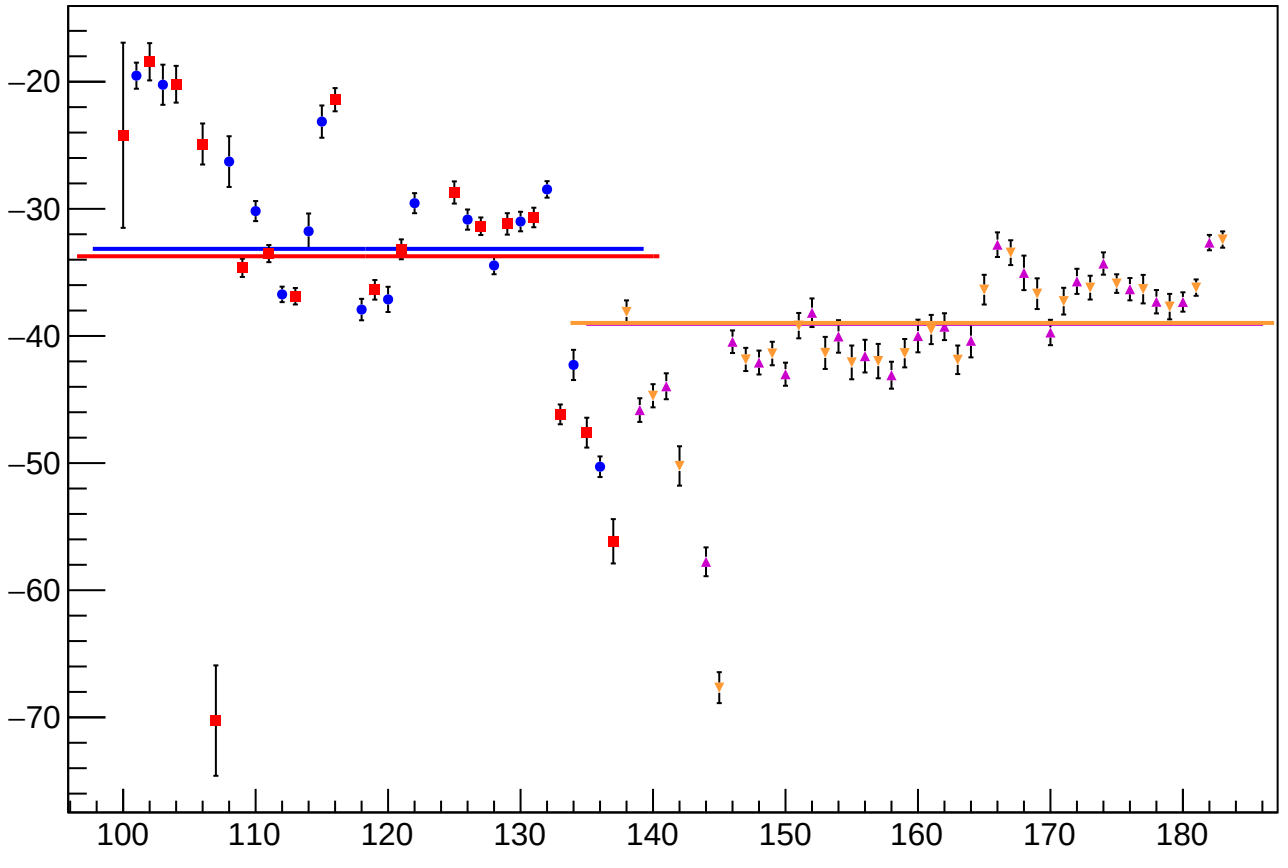
Left: 0.002+/-0.002 χ^2/NDF: 50.2/44

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.005+/-0.002 χ^2/NDF:59.4/37

Out: 0.003+/-0.002 χ^2/NDF:173.1/40

All: 0.004+/-0.001 χ^2/NDF: 233.0/78



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -38.975+/-0.204 χ^2/NDF:891.3/22

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -39.047+/-0.207 χ^2/NDF:623.0/21

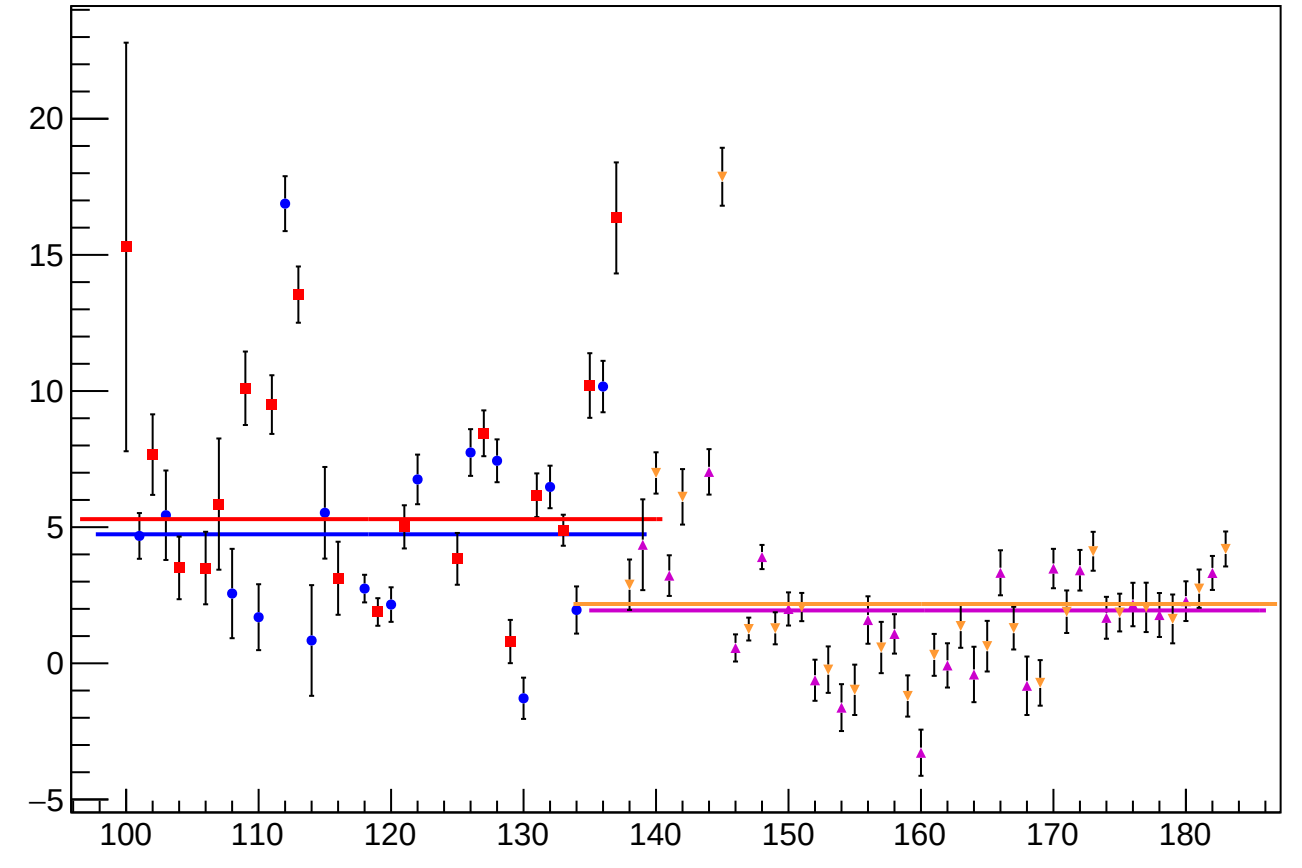
Left: -39.011+/-0.145 χ^2/NDF: 1514.3/44

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.251+/-0.150 χ^2/NDF:2022.2/37

Out: -36.487+/-0.148 χ^2/NDF:2352.9/40

All: -36.371+/-0.105 χ^2/NDF: 4376.4/78



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.179+/-0.153 χ^2/NDF:364.4/22

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.942+/-0.156 χ^2/NDF:172.4/21

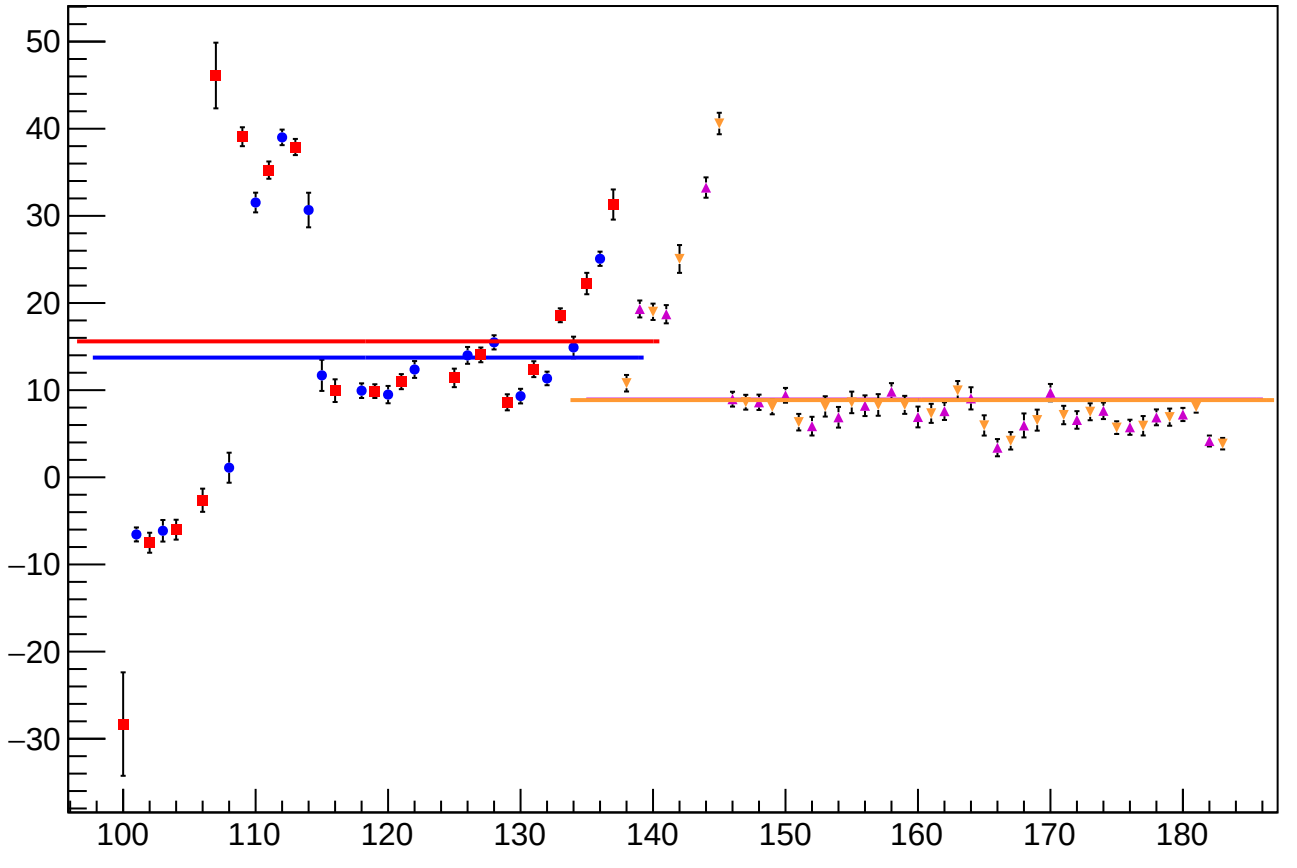
Left: 2.063+/-0.110 χ^2/NDF: 537.9/44

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 2.886+/-0.127 χ^2/NDF:609.7/37

Out: 3.177+/-0.126 χ^2/NDF:741.7/40

All: 3.033+/-0.090 χ^2/NDF: 1354.1/78



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 8.860+/-0.202 χ^2/NDF:1023.5/22

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 8.919+/-0.205 χ^2/NDF:778.7/21

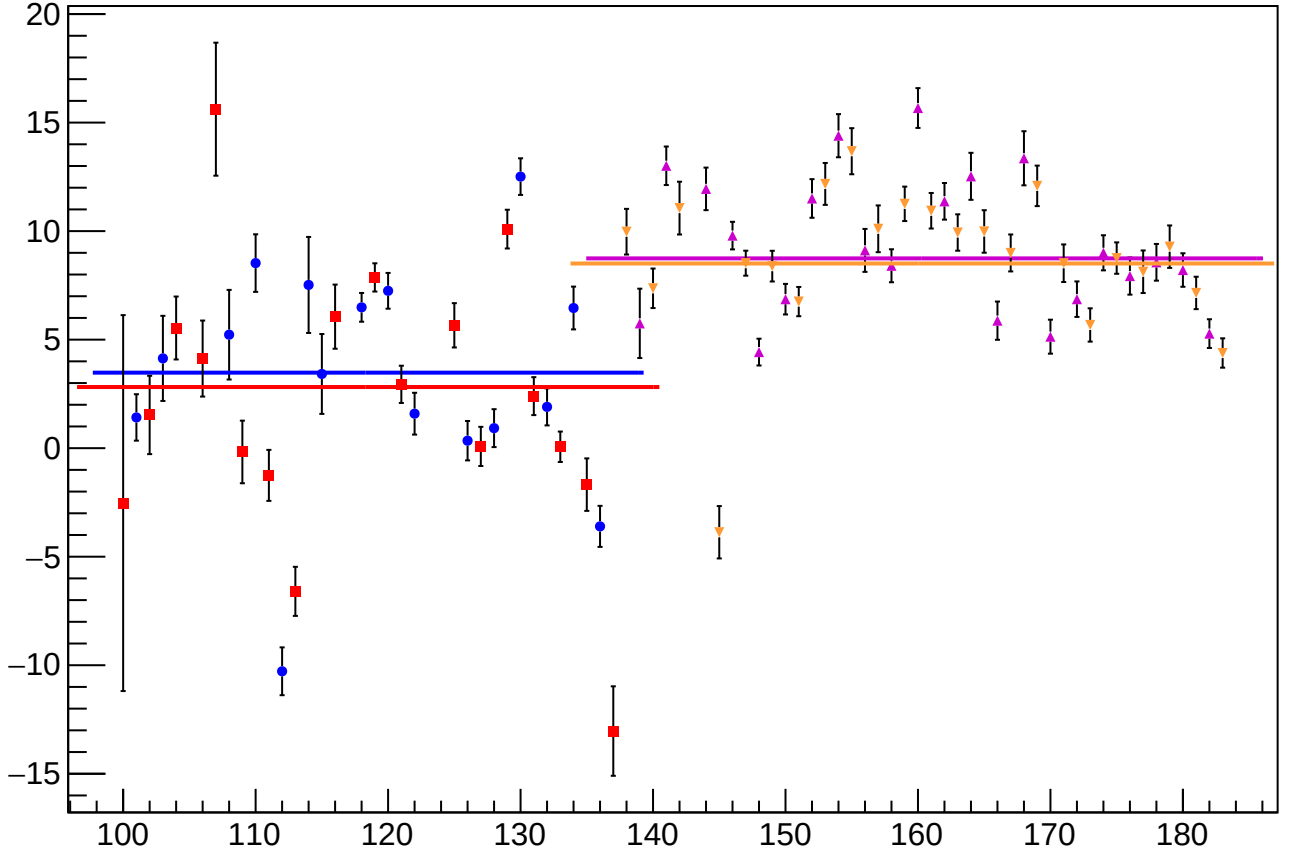
Left: 8.889+/-0.144 χ^2/NDF: 1802.2/44

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 10.884+/-0.158 χ^2/NDF:3354.5/37

Out: 11.527+/-0.157 χ^2/NDF:4288.7/40

All: 11.206+/-0.111 χ^2/NDF: 7651.5/78



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.507+/-0.175 χ^2/NDF:256.5/22

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 8.744+/-0.178 χ^2/NDF:297.1/21

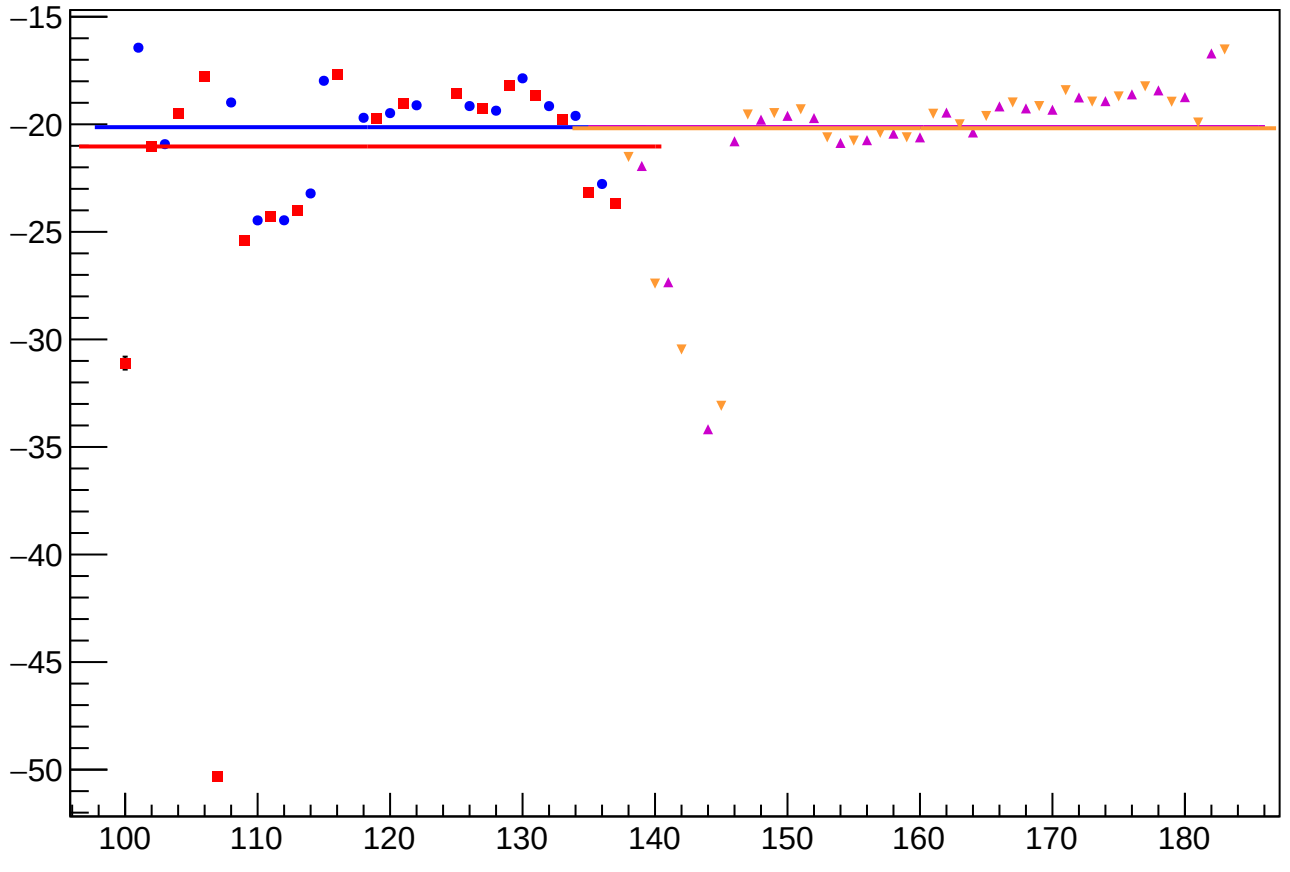
Left: 8.624+/-0.125 χ^2/NDF: 554.5/44

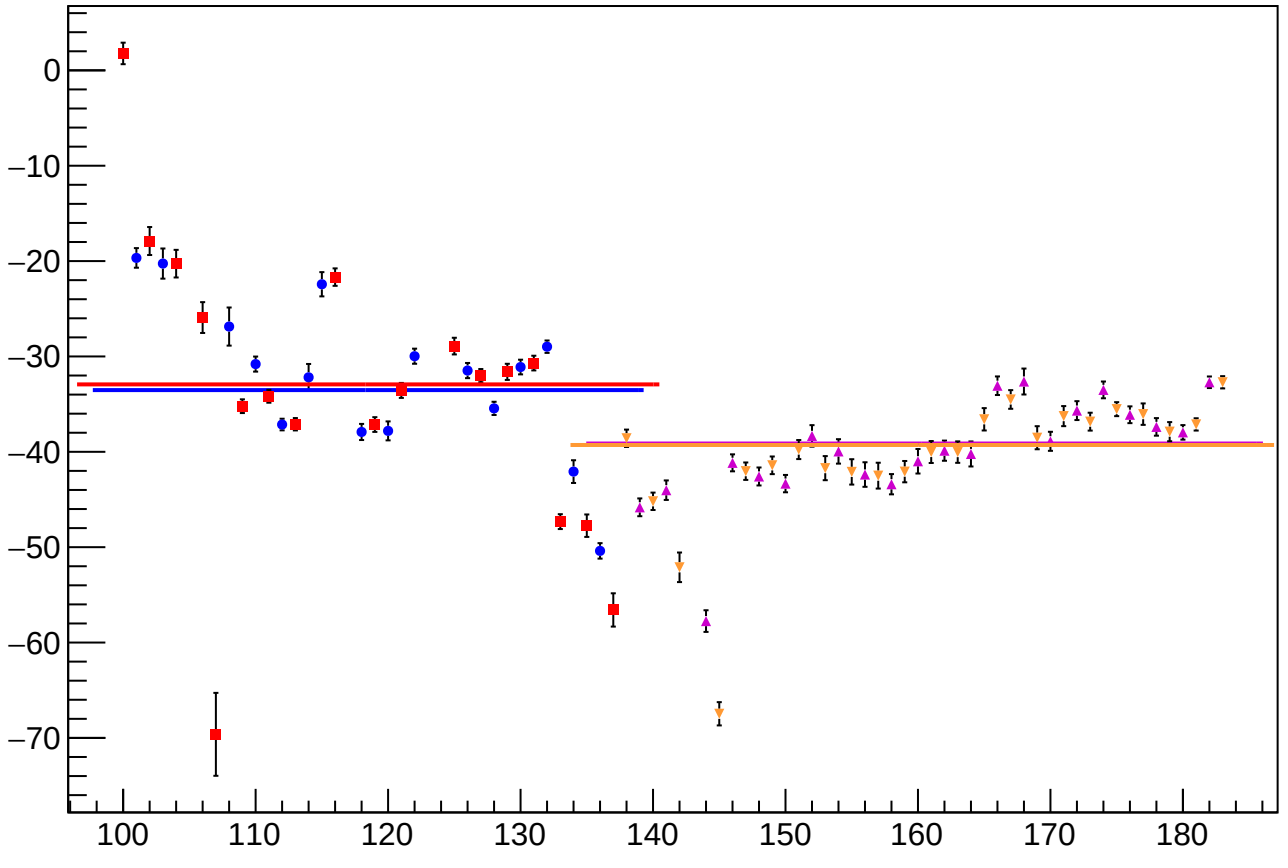
Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

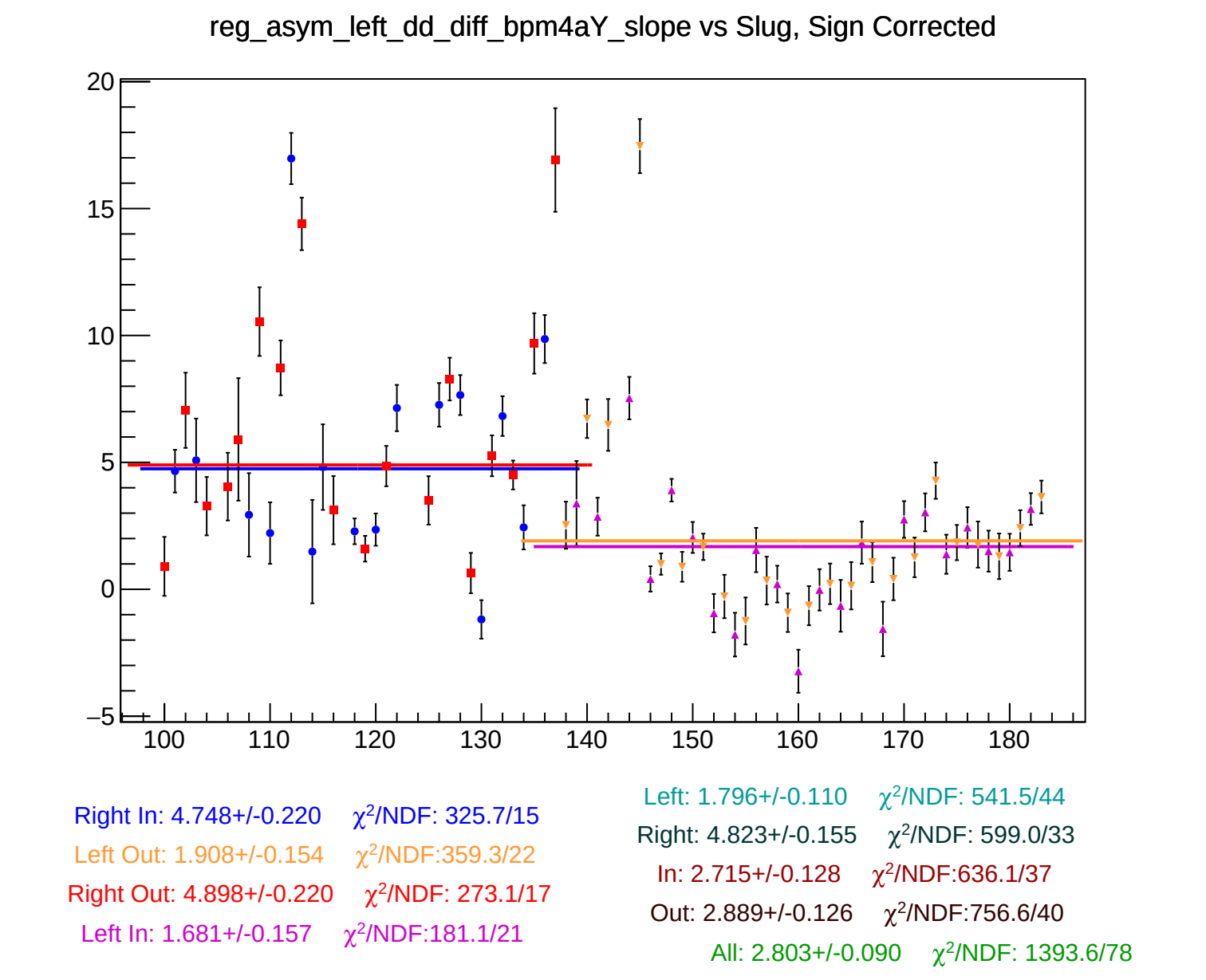
In: 7.009+/-0.146 χ^2/NDF:1013.5/37

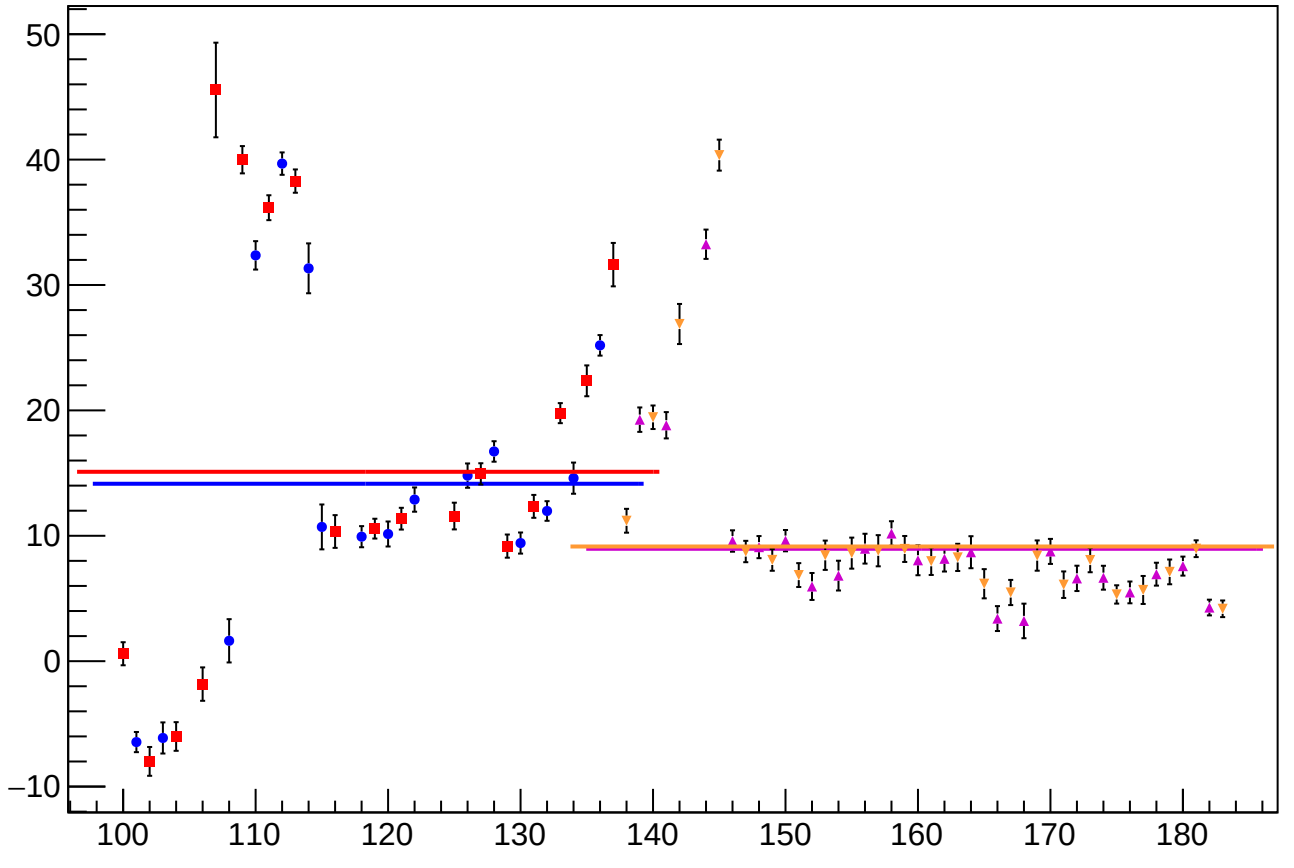
Out: 6.705+/-0.145 χ^2/NDF:936.2/40

All: 6.856+/-0.103 χ^2/NDF: 1951.8/78


reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−15
−20
−25
−30
−35
−40
−45
−50
100
110
120
130
140
150
160
170
180
Right In: -20.133+/-0.016 χ²/NDF: 19831.2/15
Left Out: -20.184+/-0.008 χ²/NDF:154389.9/22
Right Out: -21.031+/-0.016 χ²/NDF: 57523.6/17
Left In: -20.126+/-0.008 χ²/NDF:127683.0/21
Left: -20.155+/-0.006 χ²/NDF: 282098.7/44
Right: -20.570+/-0.011 χ²/NDF: 78882.9/33
In: -20.127+/-0.007 χ²/NDF:147514.3/37
Out: -20.346+/-0.007 χ²/NDF:214054.1/40
All: -20.236+/-0.005 χ²/NDF: 362032.1/78


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: -39.283+/-0.205 χ²/NDF:876.9/22
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -39.130+/-0.207 χ²/NDF:654.5/21
Left: -39.208+/-0.146 χ²/NDF: 1531.7/44
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.475+/-0.150 χ²/NDF:2009.2/37
Out: -36.215+/-0.147 χ²/NDF:3513.0/40
All: -36.342+/-0.105 χ²/NDF: 5523.7/78


reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
180
Right In: 4.748+/-0.220 χ²/NDF: 325.7/15
Left Out: 1.908+/-0.154 χ²/NDF:359.3/22
Right Out: 4.898+/-0.220 χ²/NDF: 273.1/17
Left In: 1.681+/-0.157 χ²/NDF:181.1/21
Left: 1.796+/-0.110 χ²/NDF: 541.5/44
Right: 4.823+/-0.155 χ²/NDF: 599.0/33
In: 2.715+/-0.128 χ²/NDF:636.1/37
Out: 2.889+/-0.126 χ²/NDF:756.6/40
All: 2.803+/-0.090 χ²/NDF: 1393.6/78



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 9.145+/-0.203 χ^2/NDF:1024.1/22

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 8.963+/-0.205 χ^2/NDF:787.0/21

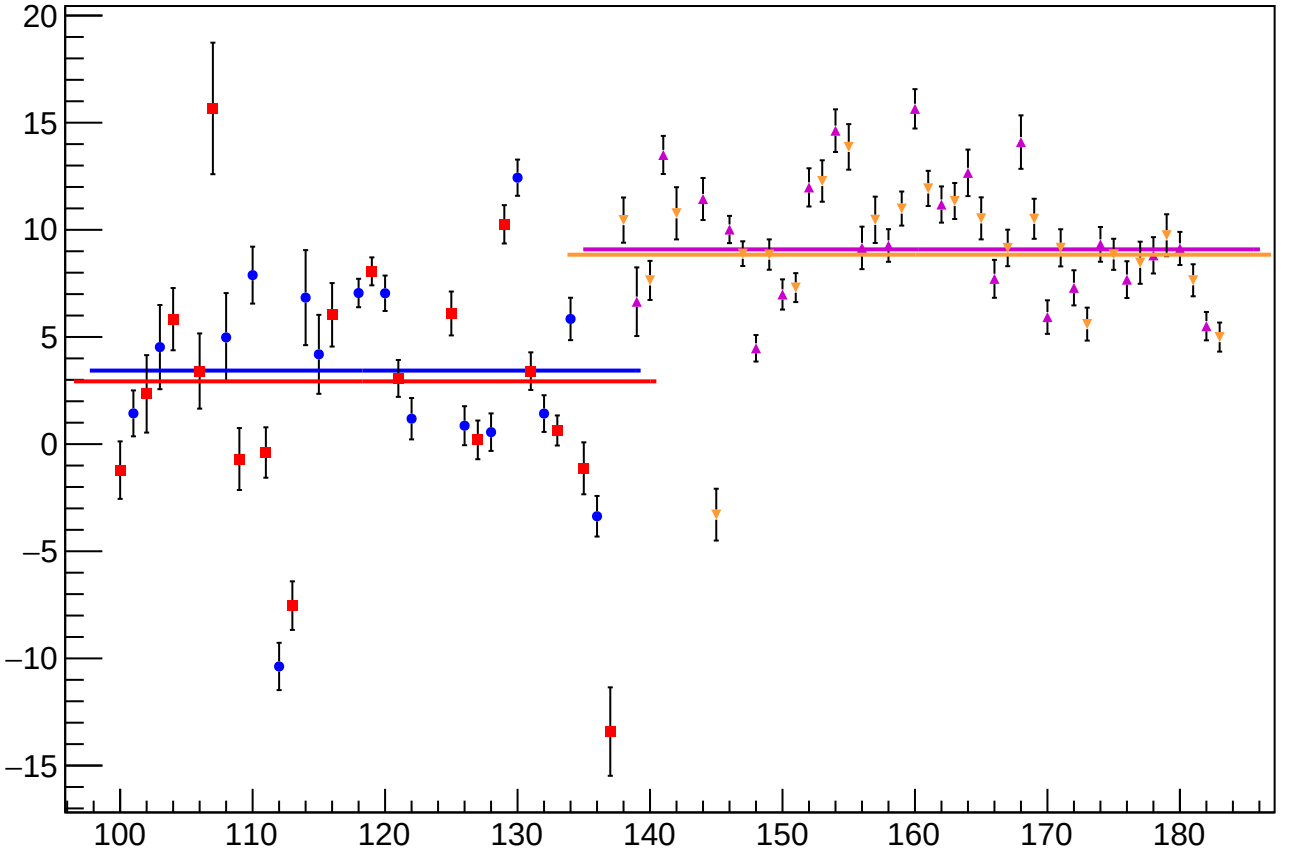
Left: 9.055+/-0.144 χ^2/NDF: 1811.5/44

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 11.076+/-0.158 χ^2/NDF:3450.0/37

Out: 11.603+/-0.155 χ^2/NDF:4482.5/40

All: 11.344+/-0.111 χ^2/NDF: 7938.2/78



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 8.840+/-0.175 χ^2/NDF:240.1/22

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.088+/-0.178 χ^2/NDF:280.5/21

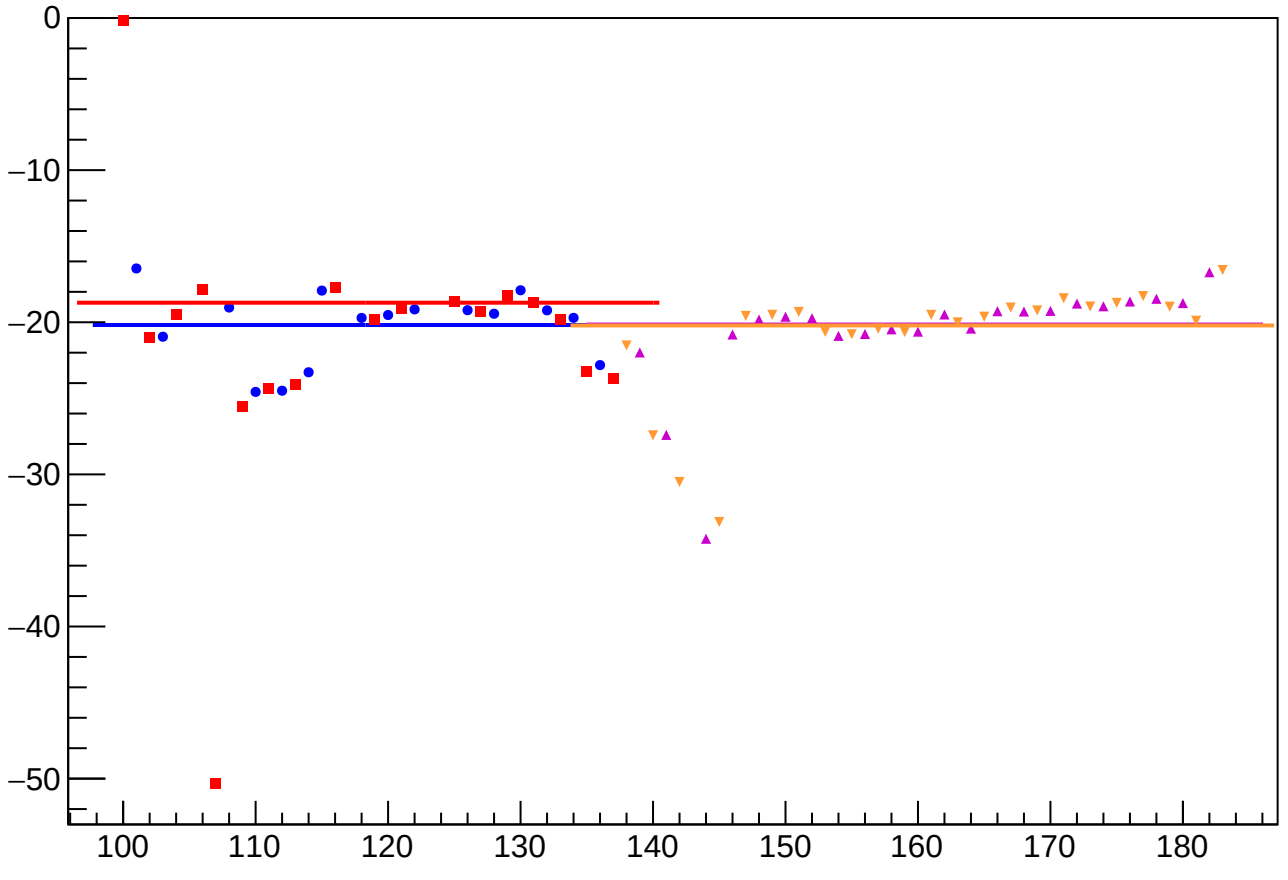
Left: 8.962+/-0.125 χ^2/NDF: 521.6/44

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.225+/-0.146 χ^2/NDF:1036.4/37

Out: 6.923+/-0.144 χ^2/NDF:975.8/40

All: 7.072+/-0.103 χ^2/NDF: 2014.4/78



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.210+/-0.008 χ^2/NDF:153809.2/22

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -20.151+/-0.008 χ^2/NDF:128127.2/21

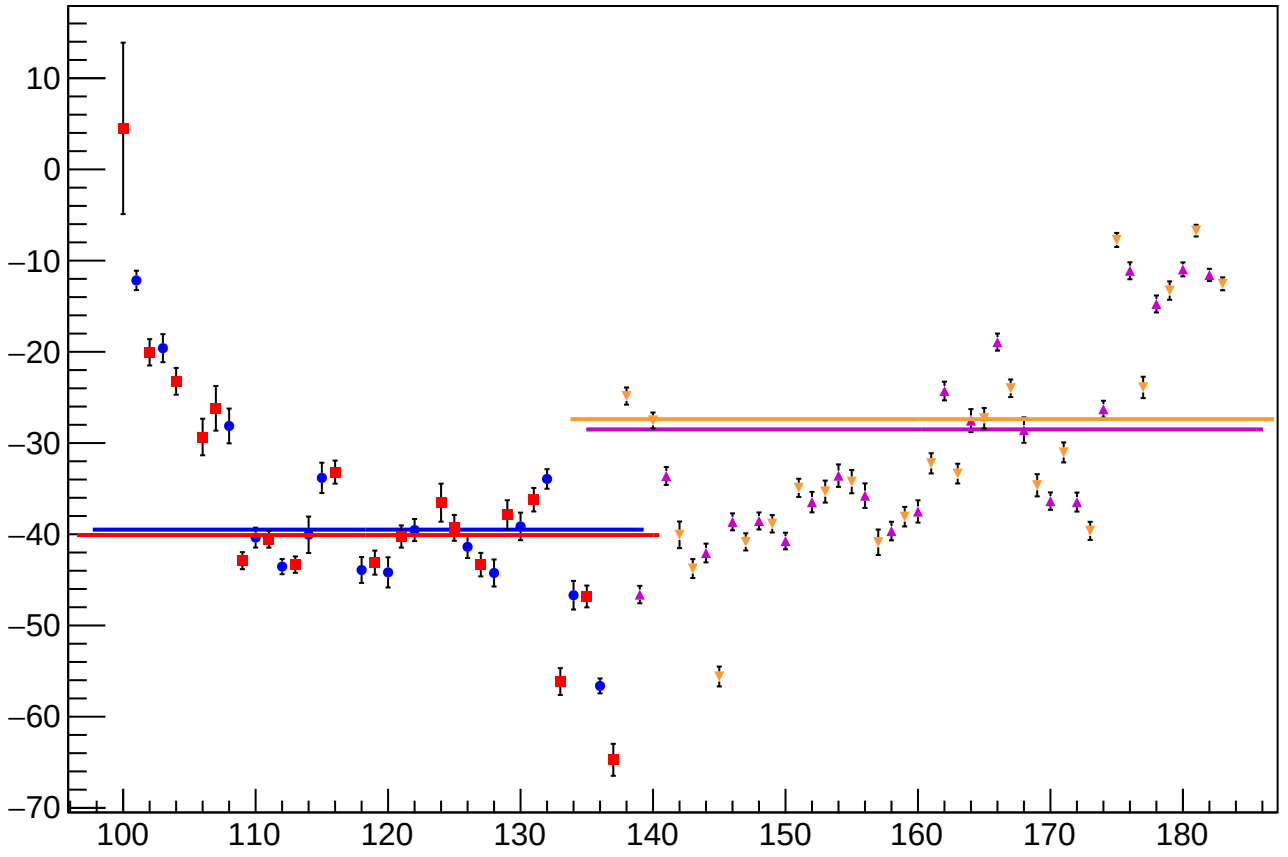
Left: -20.181+/-0.006 χ^2/NDF: 281962.8/44

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.157+/-0.007 χ^2/NDF:147986.7/37

Out: -19.895+/-0.007 χ^2/NDF:395766.9/40

All: -20.026+/-0.005 χ^2/NDF: 544424.2/78



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -27.380+/-0.202 χ^2/NDF:4266.6/23

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -28.504+/-0.209 χ^2/NDF:3241.1/21

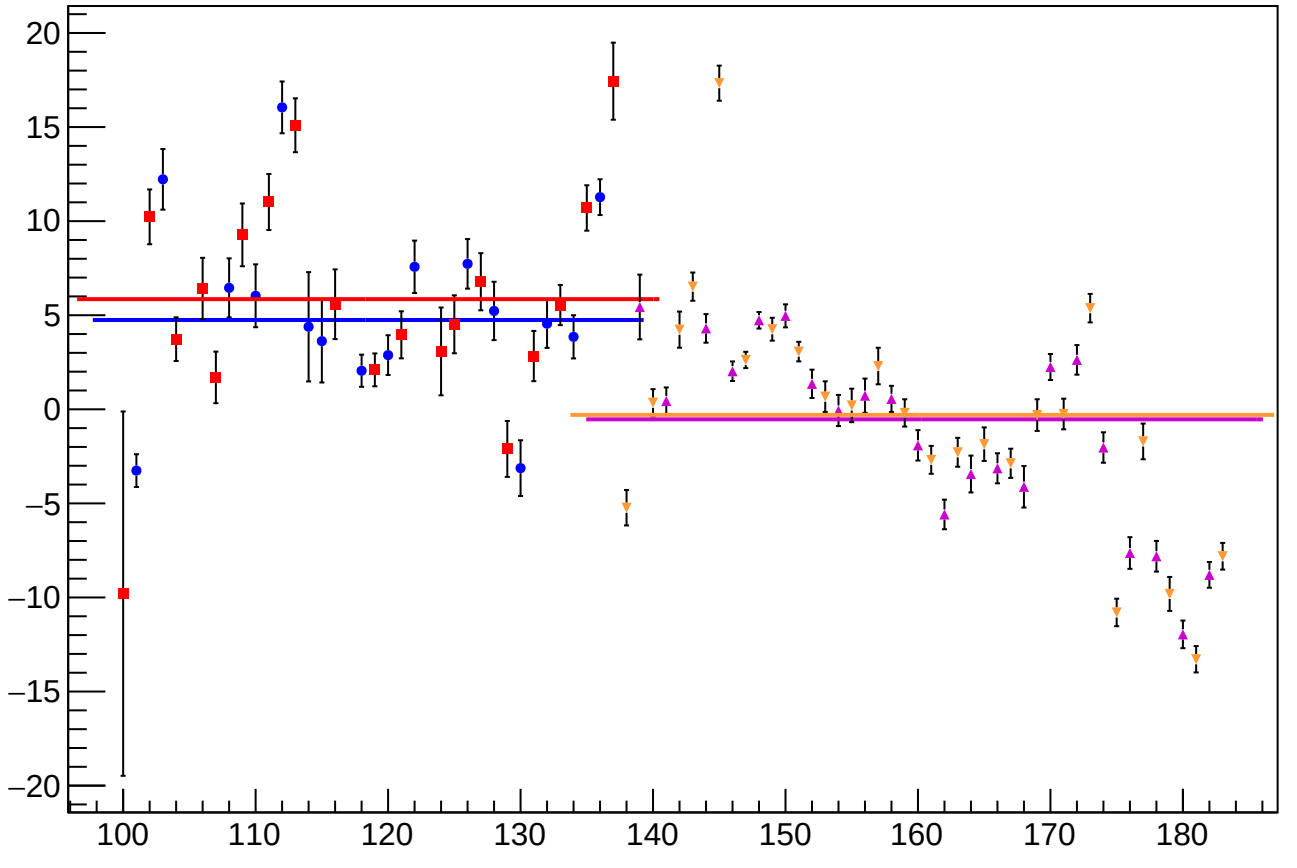
Left: -27.924+/-0.145 χ^2/NDF: 7522.7/45

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -31.923+/-0.173 χ^2/NDF:5520.2/37

Out: -31.220+/-0.169 χ^2/NDF:6296.9/42

All: -31.562+/-0.121 χ^2/NDF: 11825.5/80



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: -0.296+/-0.151 χ^2/NDF:1505.9/23

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: -0.534+/-0.157 χ^2/NDF:963.1/21

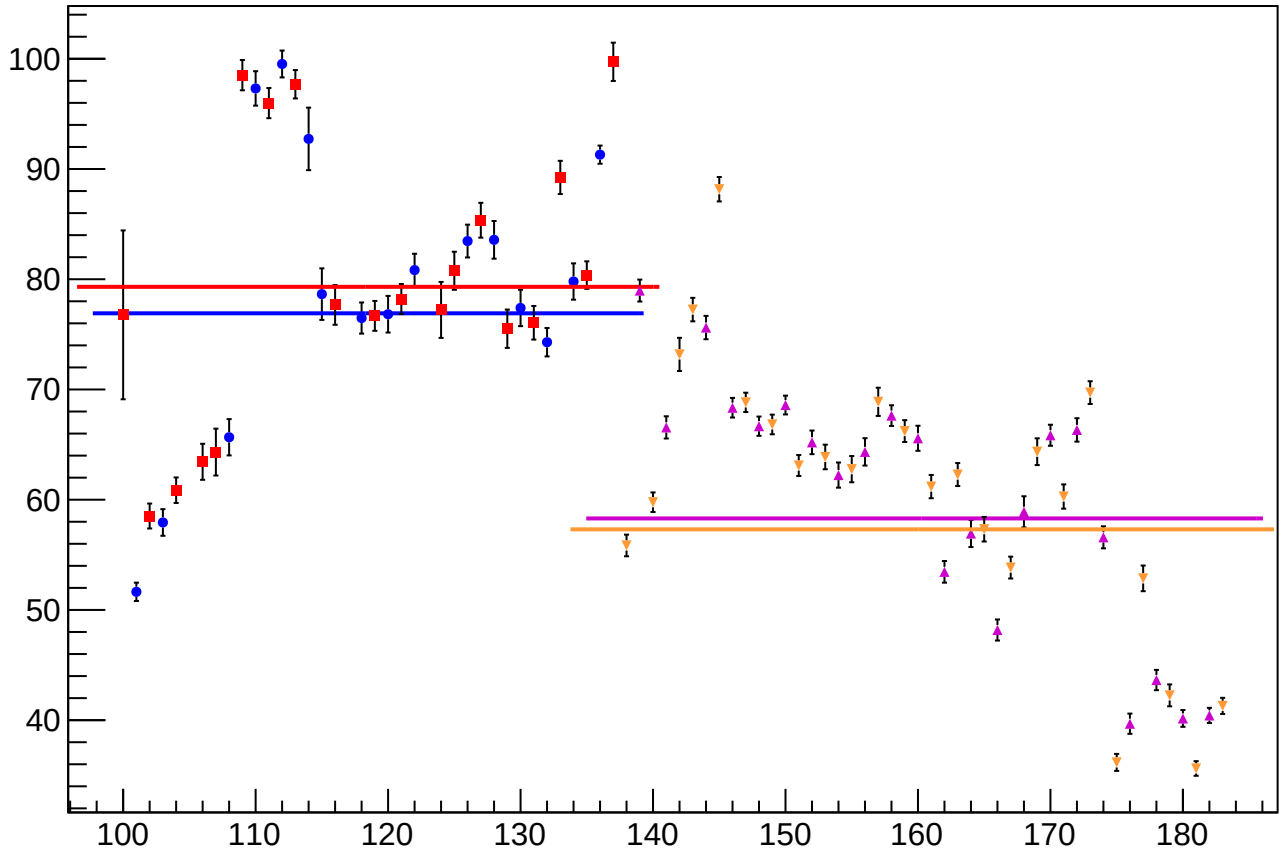
Left: -0.410+/-0.109 χ^2/NDF: 2470.2/45

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 0.508+/-0.140 χ^2/NDF:1461.3/37

Out: 0.802+/-0.137 χ^2/NDF:1989.7/42

All: 0.659+/-0.098 χ^2/NDF: 3453.2/80



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 57.312+/-0.200 χ^2/NDF:4566.3/23

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 58.300+/-0.206 χ^2/NDF:3515.3/21

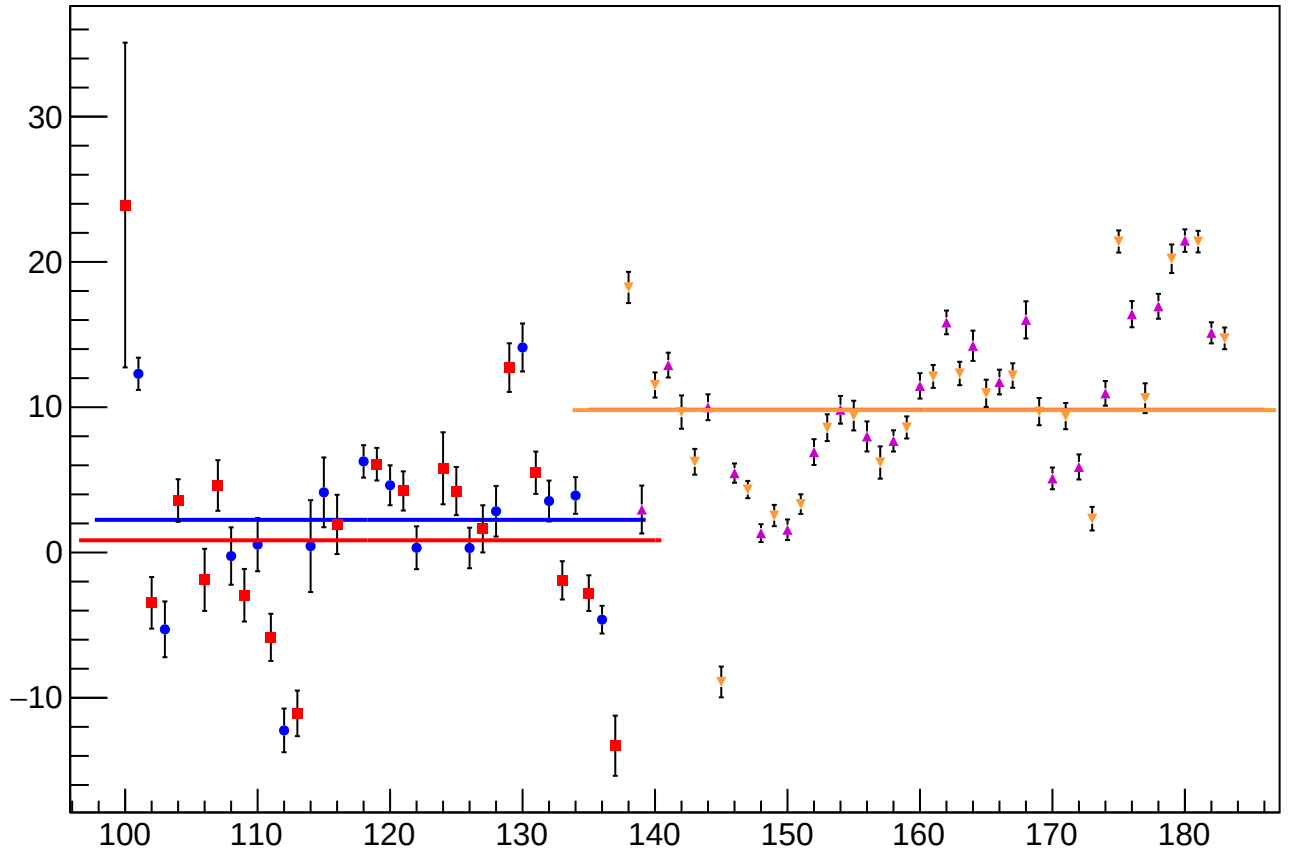
Left: 57.792+/-0.144 χ^2/NDF: 8093.4/45

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 63.372+/-0.176 χ^2/NDF:7851.2/37

Out: 62.794+/-0.174 χ^2/NDF:9065.5/42

All: 63.079+/-0.124 χ^2/NDF: 16922.2/80



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 9.799+/-0.173 χ^2/NDF:1427.2/23

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: 9.811+/-0.124 χ^2/NDF: 2419.1/45

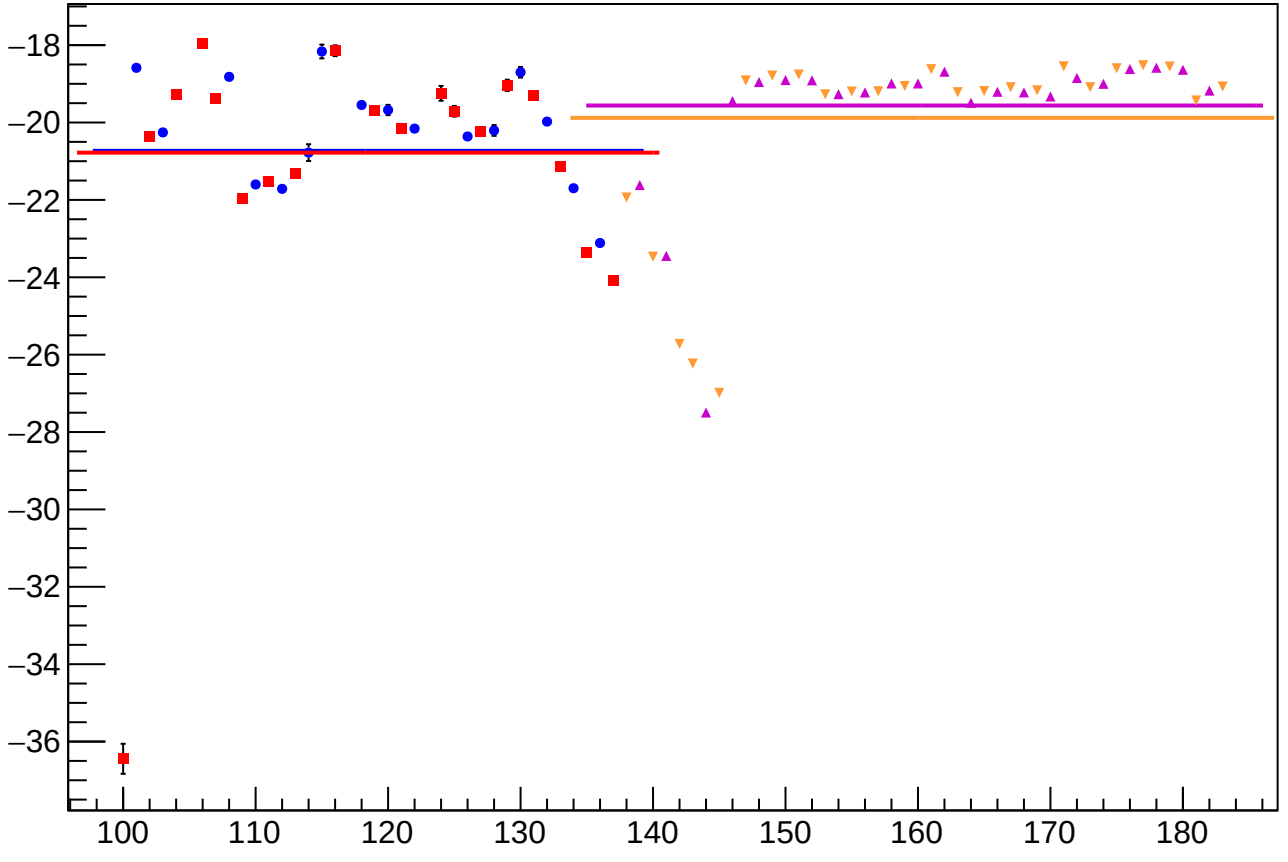
Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 8.353+/-0.160 χ^2/NDF:1662.4/37

Out: 8.212+/-0.157 χ^2/NDF:2160.5/42

All: 8.281+/-0.112 χ^2/NDF: 3823.3/80

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: -19.879+/-0.008 χ^2/NDF:78745.4/23

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -19.561+/-0.008 χ^2/NDF:45172.2/21

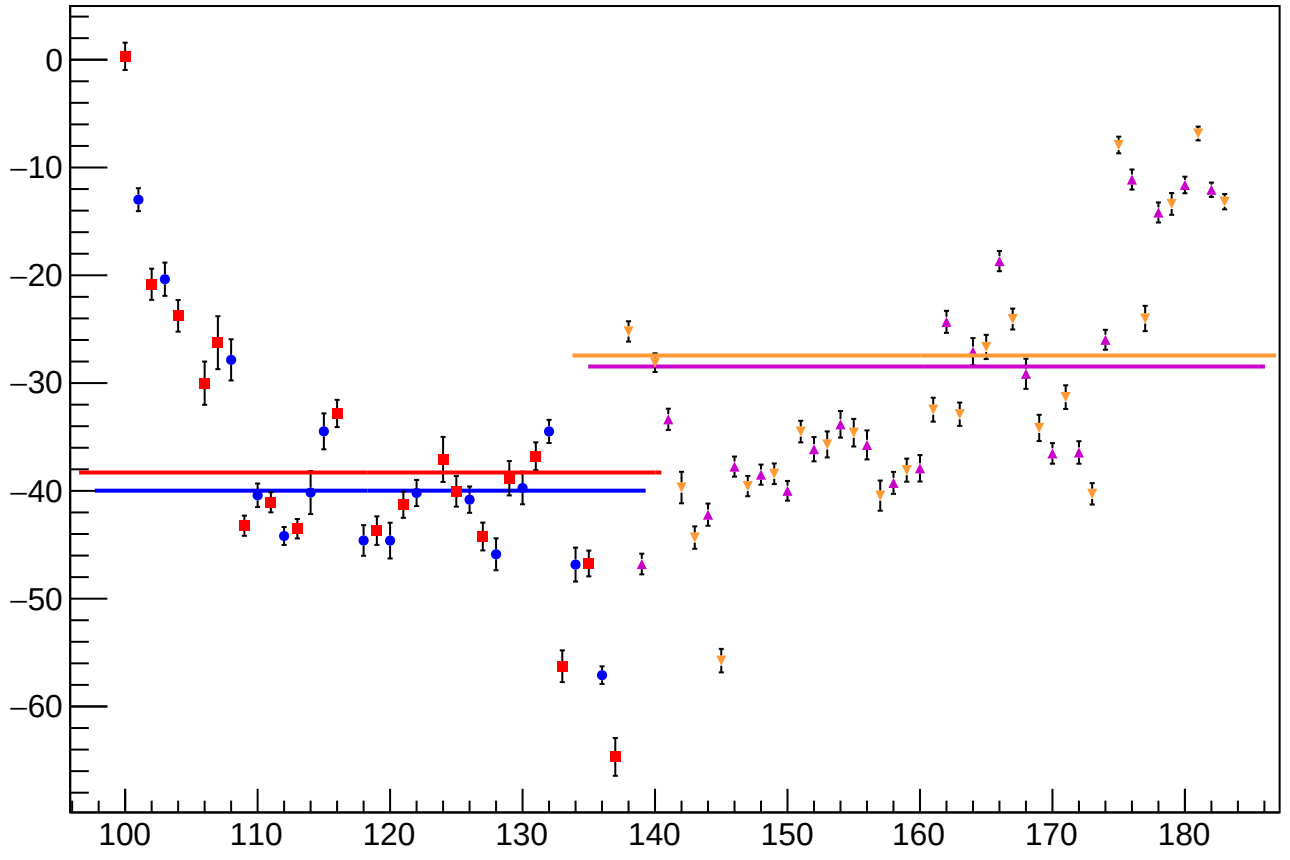
Left: -19.722+/-0.006 χ^2/NDF: 124711.5/45

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -19.732+/-0.007 χ^2/NDF:55912.2/37

Out: -20.000+/-0.007 χ^2/NDF:89889.6/42

All: -19.867+/-0.005 χ^2/NDF: 146452.4/80



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -27.441+/-0.202 χ^2/NDF:4169.6/23

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -28.462+/-0.209 χ^2/NDF:3140.4/21

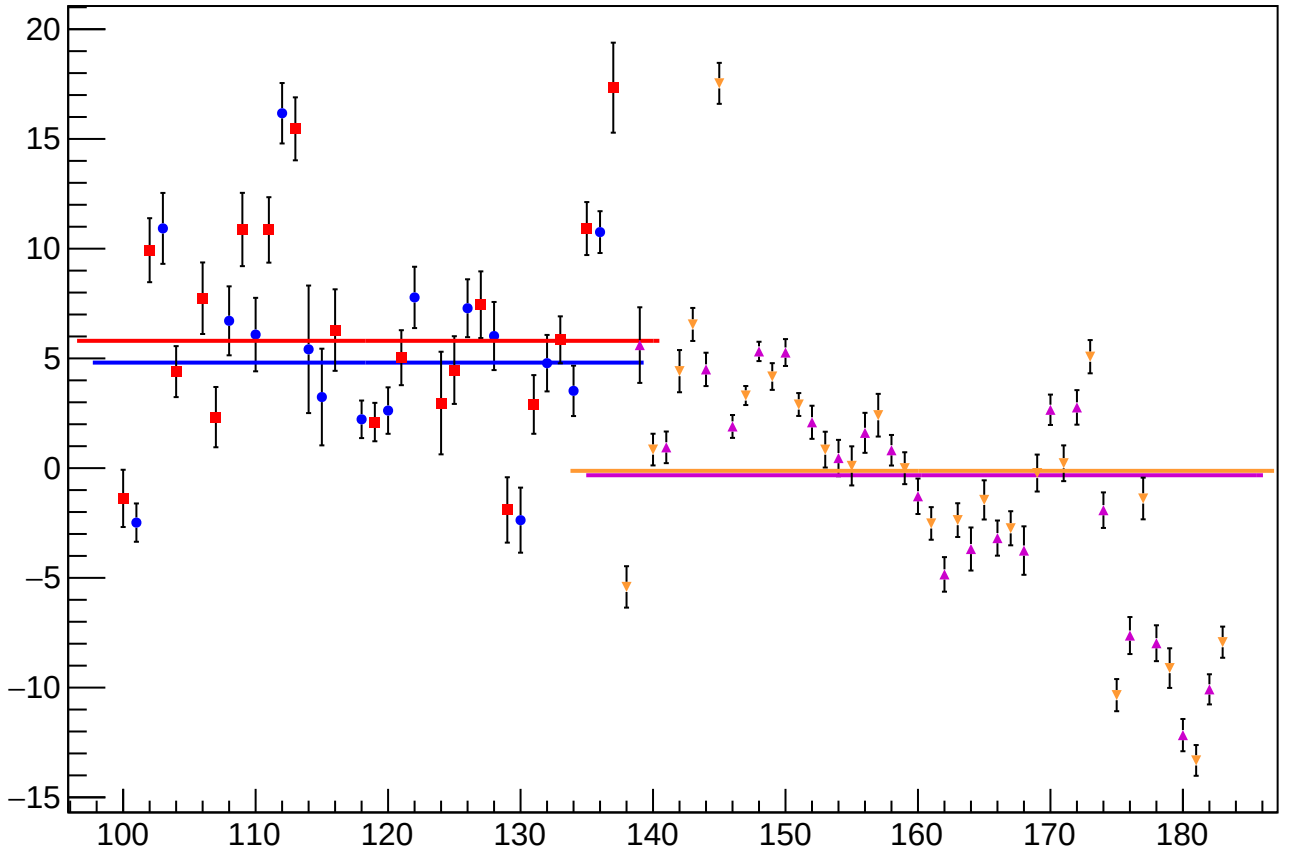
Left: -27.935+/-0.145 χ^2/NDF: 7322.3/45

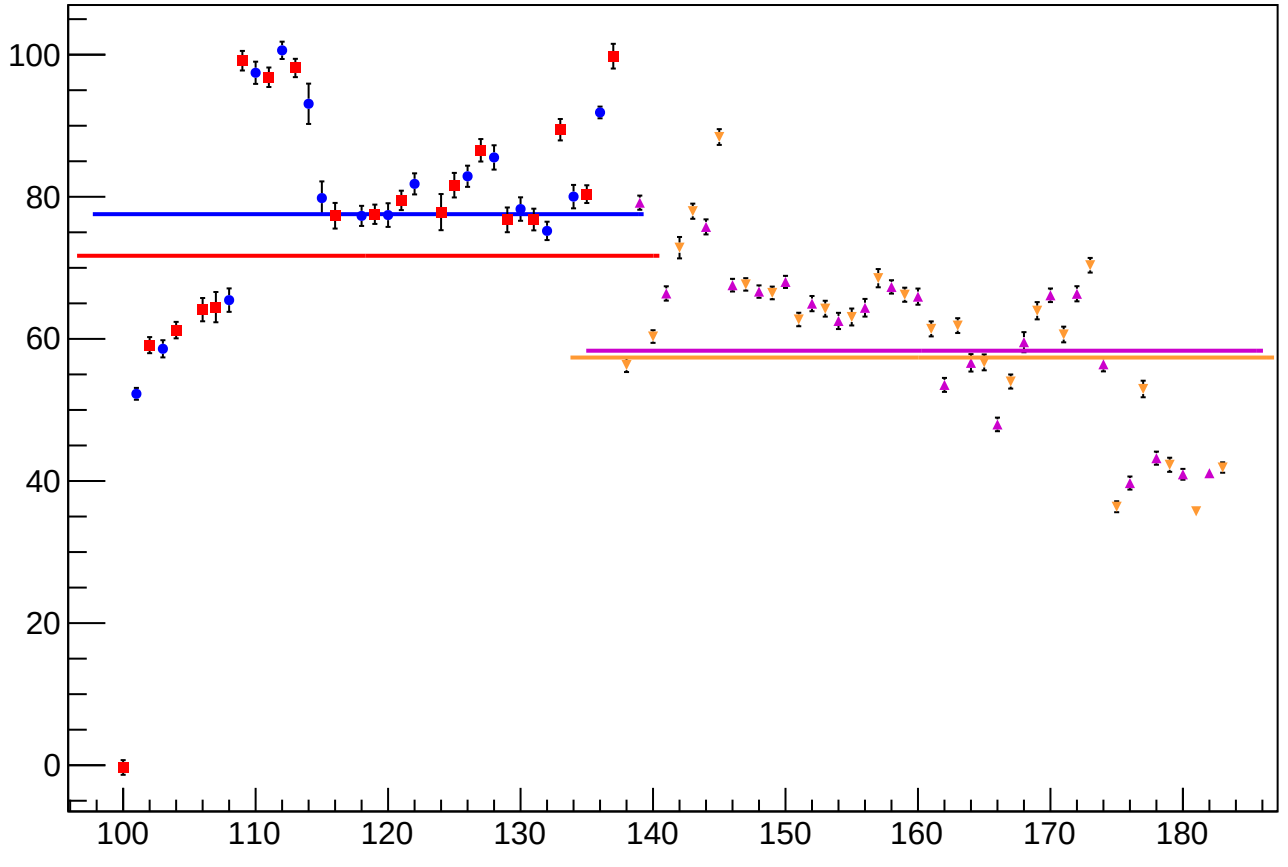
Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -32.048+/-0.174 χ^2/NDF:5482.6/37

Out: -30.849+/-0.168 χ^2/NDF:6846.9/42

All: -31.428+/-0.121 χ^2/NDF: 12354.1/80


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
180
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: -0.123+/-0.151 χ²/NDF:1497.0/23
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: -0.324+/-0.157 χ²/NDF:1069.8/21
Left: -0.220+/-0.109 χ²/NDF: 2567.6/45
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 0.688+/-0.141 χ²/NDF:1521.5/37
Out: 0.986+/-0.136 χ²/NDF:2001.0/42
All: 0.842+/-0.098 χ²/NDF: 3524.8/80



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 57.377+/-0.201 χ^2/NDF:4494.1/23

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 58.337+/-0.207 χ^2/NDF:3400.9/21

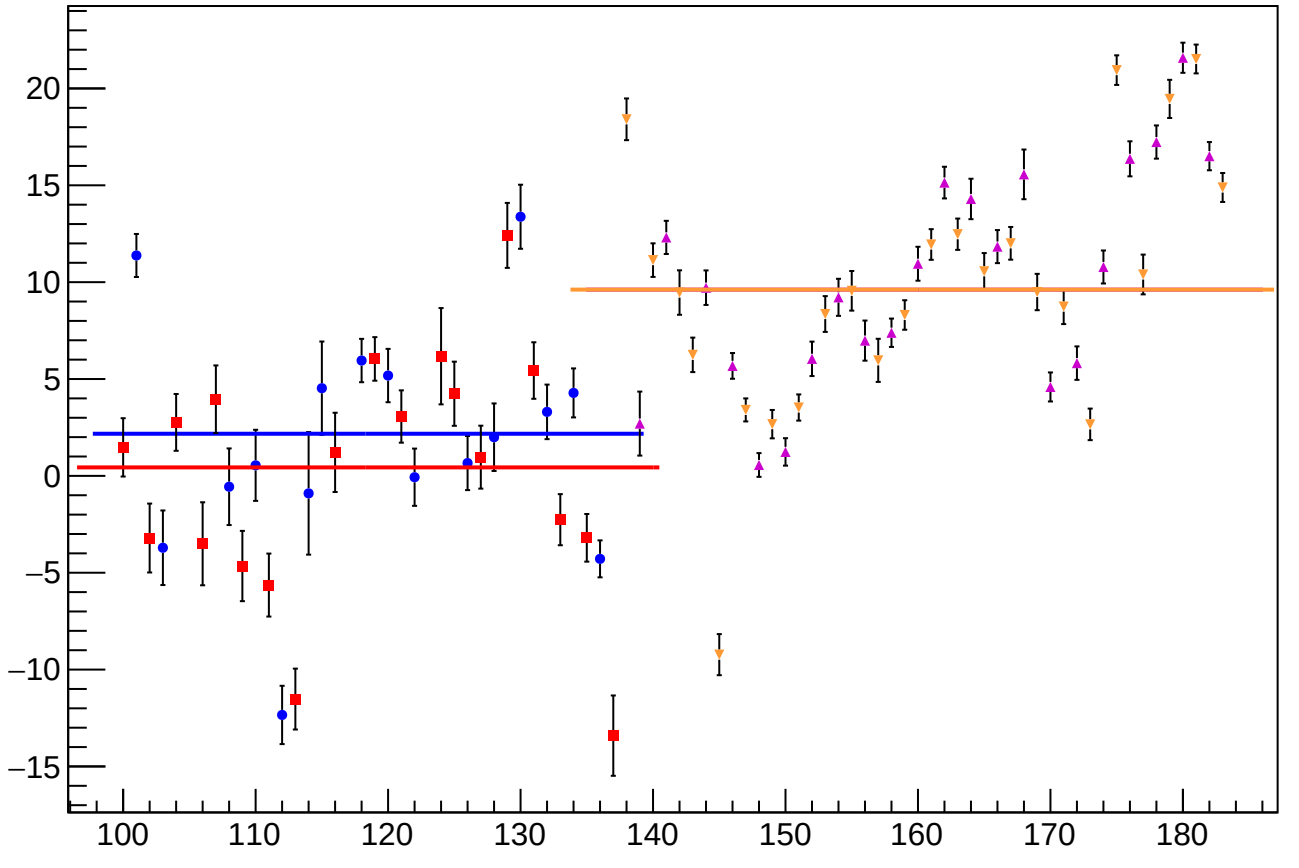
Left: 57.843+/-0.144 χ^2/NDF: 7906.1/45

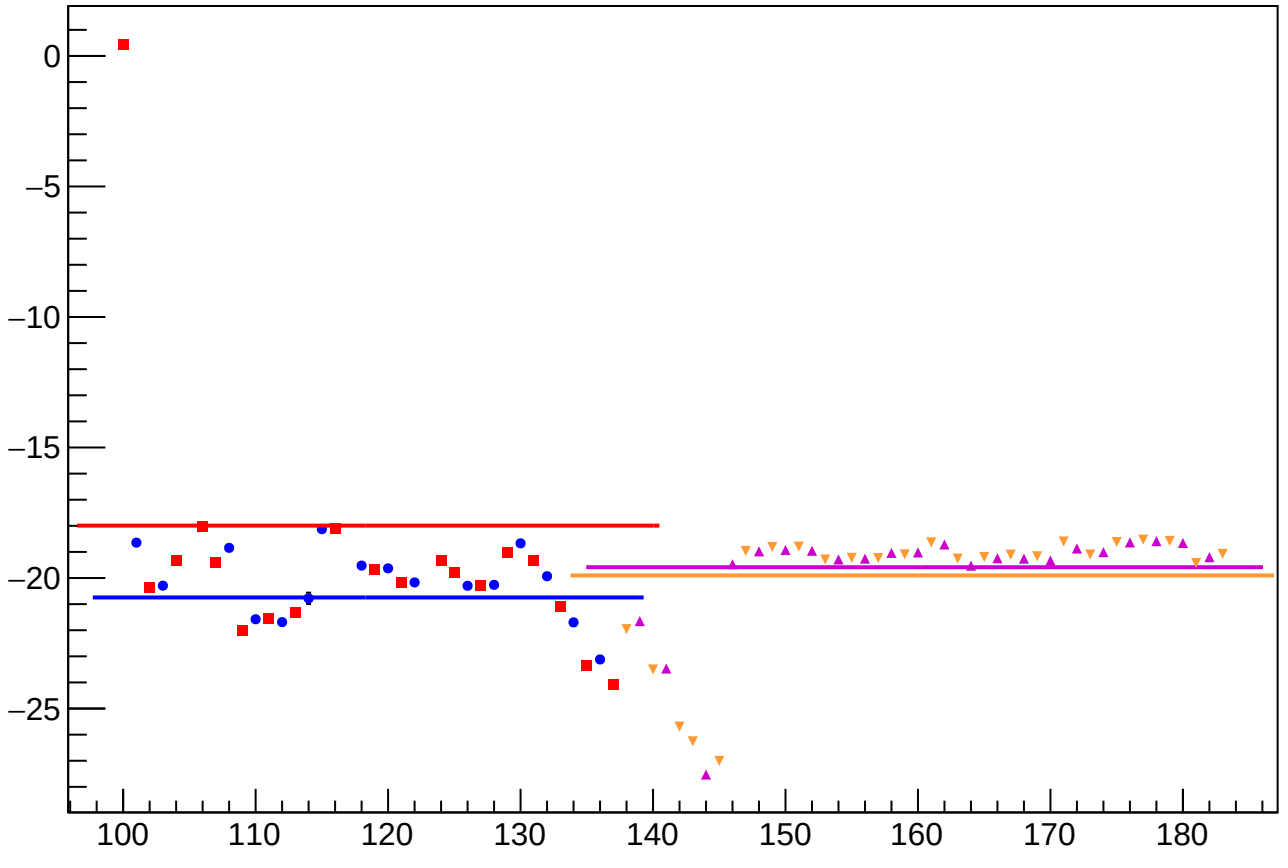
Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 63.577+/-0.176 χ^2/NDF:7878.7/37

Out: 61.237+/-0.172 χ^2/NDF:12769.9/42

All: 62.376+/-0.123 χ^2/NDF: 20739.2/80


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
180
Right In: 2.175+/-0.364 χ²/NDF: 290.3/15
Left Out: 9.615+/-0.173 χ²/NDF:1425.6/23
Right Out: 0.438+/-0.362 χ²/NDF: 254.1/18
Left In: 9.612+/-0.178 χ²/NDF:1076.3/21
Left: 9.614+/-0.124 χ²/NDF: 2501.9/45
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 8.168+/-0.160 χ²/NDF:1703.8/37
Out: 7.911+/-0.156 χ²/NDF:2203.3/42
All: 8.036+/-0.112 χ²/NDF: 3908.4/80



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -19.902+/-0.008 χ^2/NDF:78370.9/23

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -19.586+/-0.008 χ^2/NDF:45085.2/21

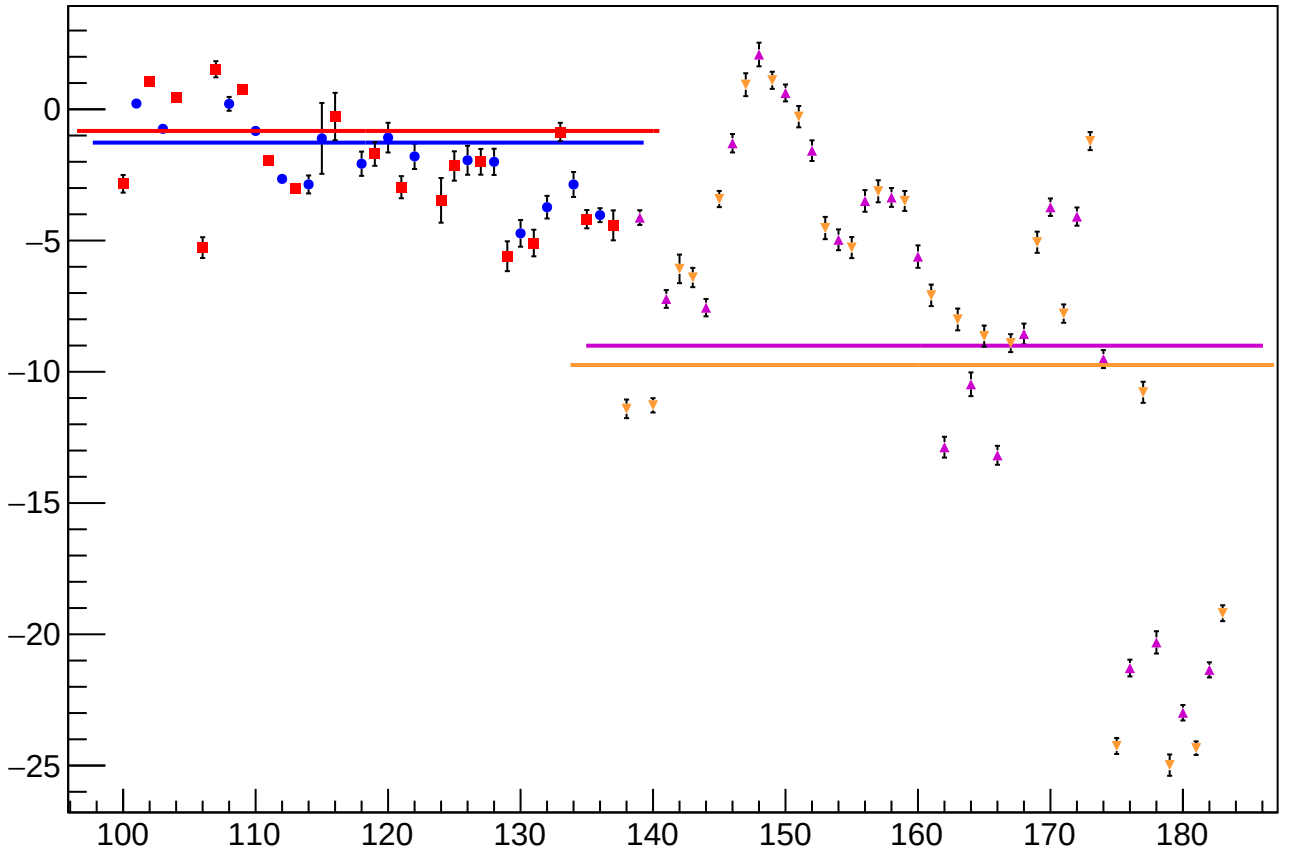
Left: -19.746+/-0.006 χ^2/NDF: 124233.8/45

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -19.756+/-0.007 χ^2/NDF:55626.1/37

Out: -19.614+/-0.007 χ^2/NDF:237634.4/42

All: -19.684+/-0.005 χ^2/NDF: 293444.0/80



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -9.741+/-0.073 χ^2/NDF:12375.2/23

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: -9.384+/-0.053 χ^2/NDF: 22673.7/45

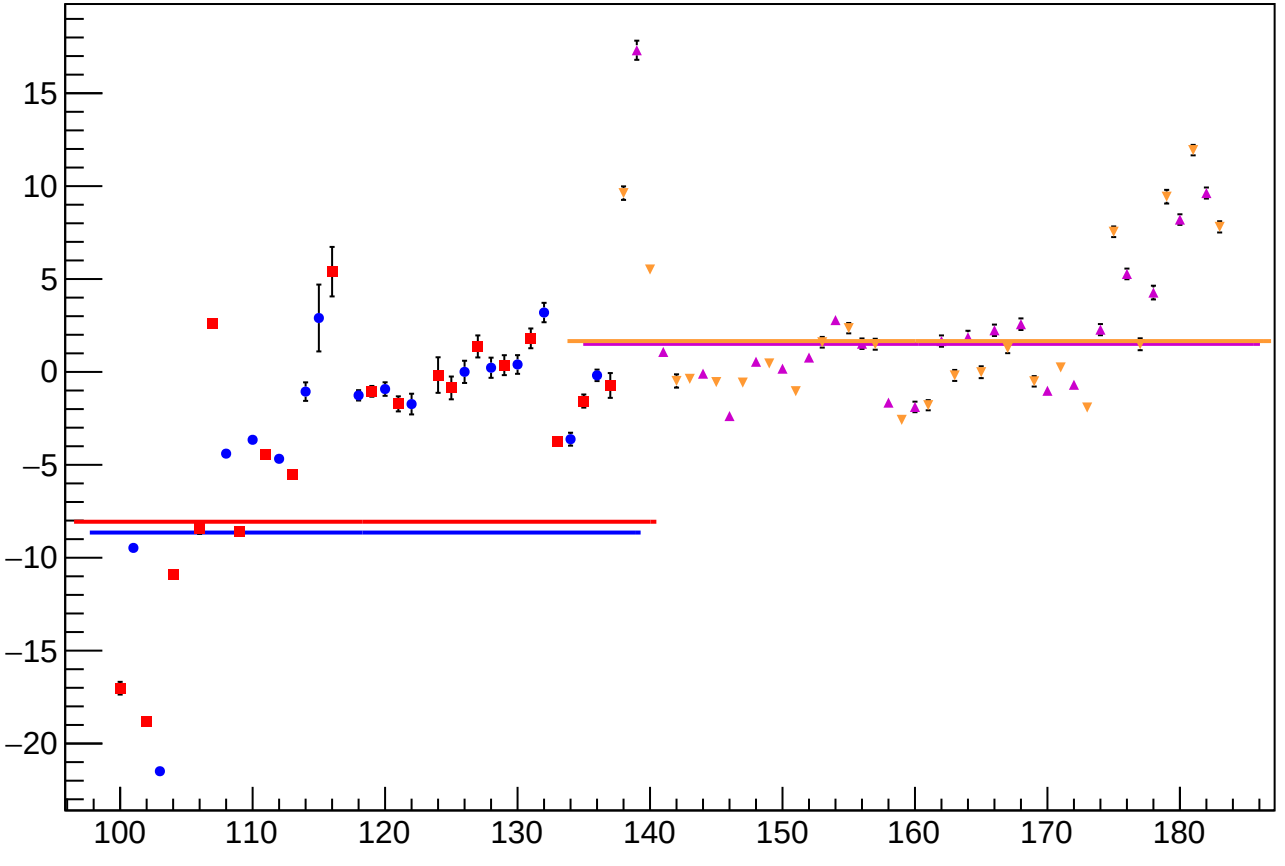
Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -3.921+/-0.044 χ^2/NDF:17763.5/37

Out: -3.736+/-0.042 χ^2/NDF:23724.7/42

All: -3.823+/-0.030 χ^2/NDF: 41497.4/80

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: 1.659+/-0.056 χ^2/NDF:4612.4/23

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 1.511+/-0.058 χ^2/NDF:3447.2/21

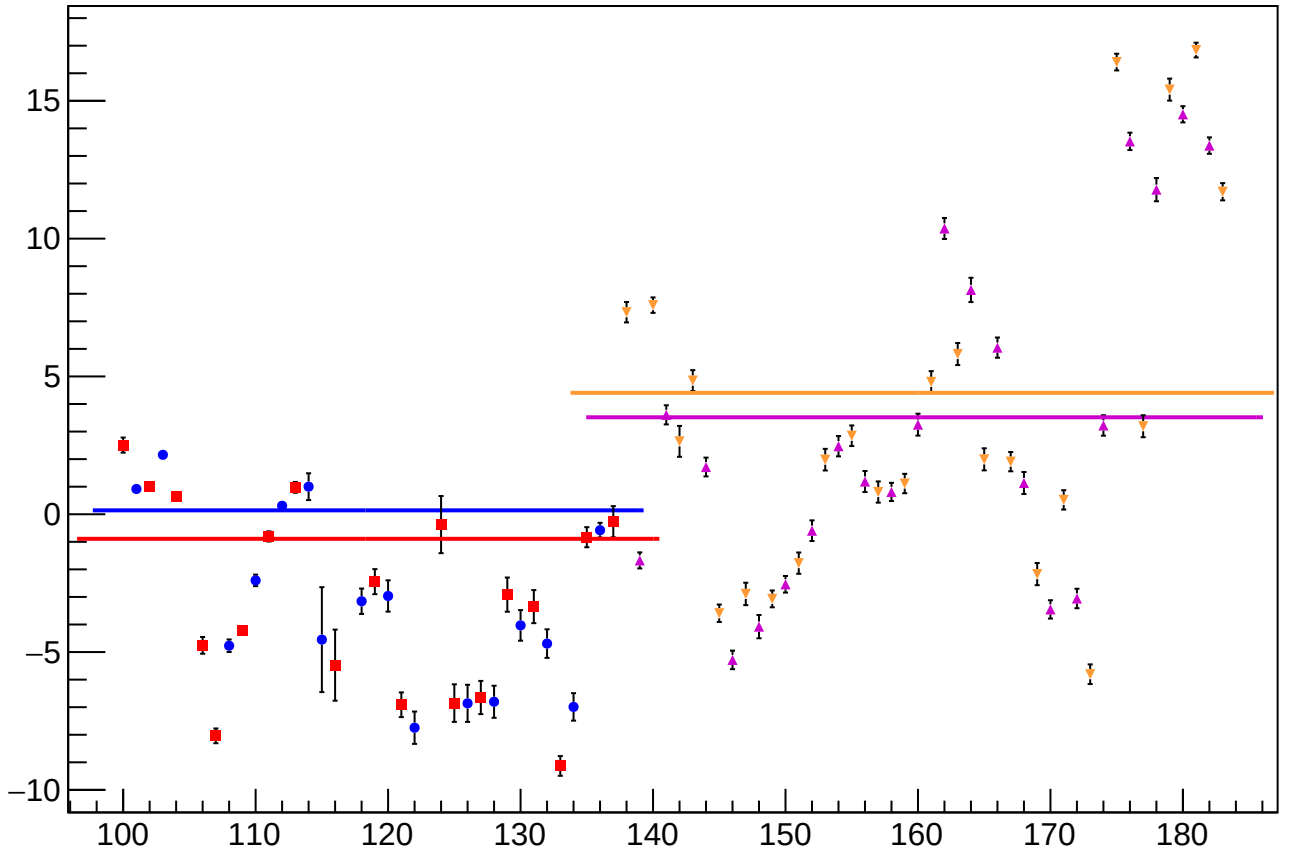
Left: 1.588+/-0.040 χ^2/NDF: 8063.0/45

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -3.665+/-0.041 χ^2/NDF:32875.7/37

Out: -3.036+/-0.040 χ^2/NDF:33820.4/42

All: -3.345+/-0.028 χ^2/NDF: 66817.7/80



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 4.406+/-0.073 χ^2/NDF:8597.4/23

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 3.518+/-0.075 χ^2/NDF:7185.2/21

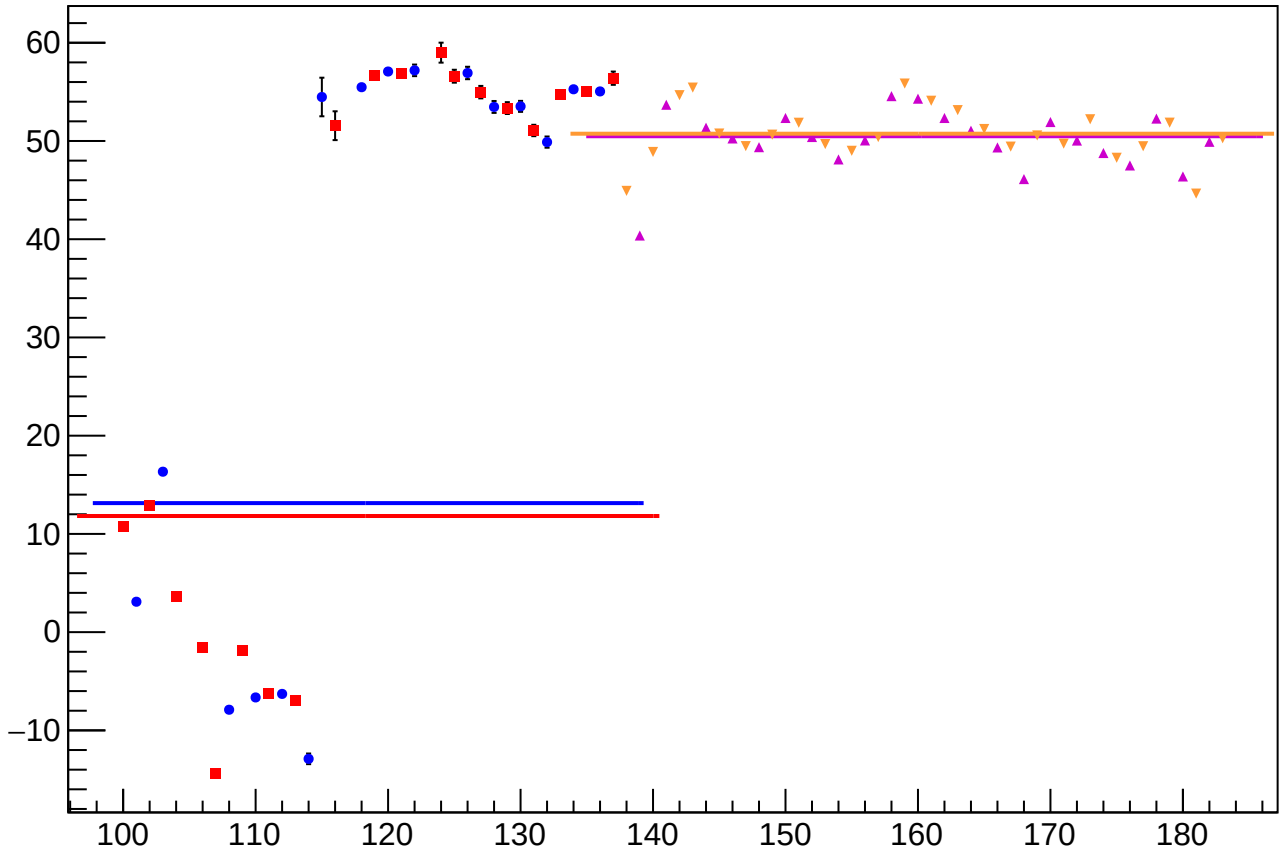
Left: 3.973+/-0.052 χ^2/NDF: 15855.2/45

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 1.272+/-0.043 χ^2/NDF:10507.0/37

Out: 0.975+/-0.043 χ^2/NDF:15020.5/42

All: 1.123+/-0.031 χ^2/NDF: 25551.2/80



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.741+/-0.063 χ^2/NDF:1742.2/23

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.483+/-0.065 χ^2/NDF:1641.7/21

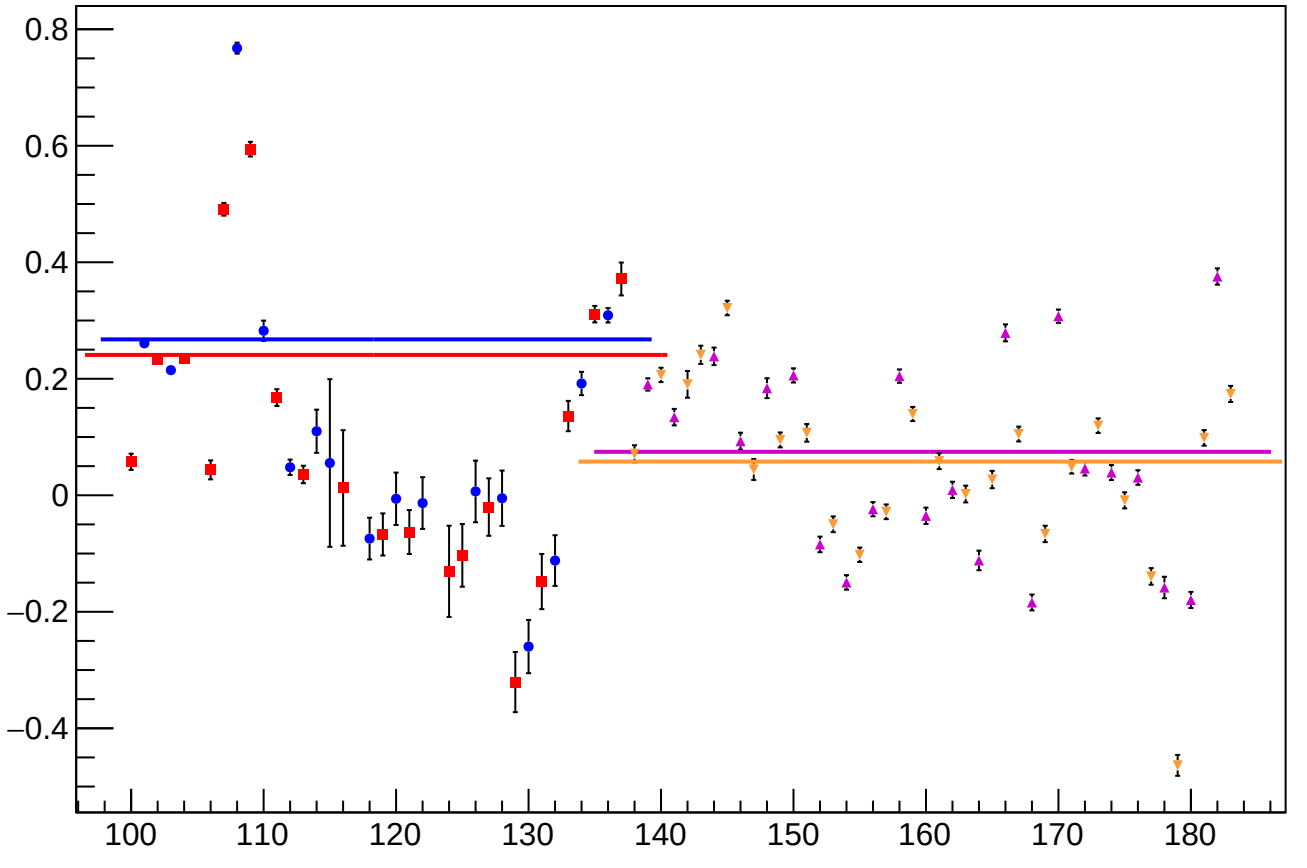
Left: 50.616+/-0.045 χ^2/NDF: 3392.0/45

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 32.570+/-0.047 χ^2/NDF:267438.4/37

Out: 32.737+/-0.046 χ^2/NDF:296733.0/42

All: 32.655+/-0.033 χ^2/NDF: 564177.9/80



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.058+/-0.003 χ^2/NDF:2377.2/23

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.075+/-0.003 χ^2/NDF:3229.3/21

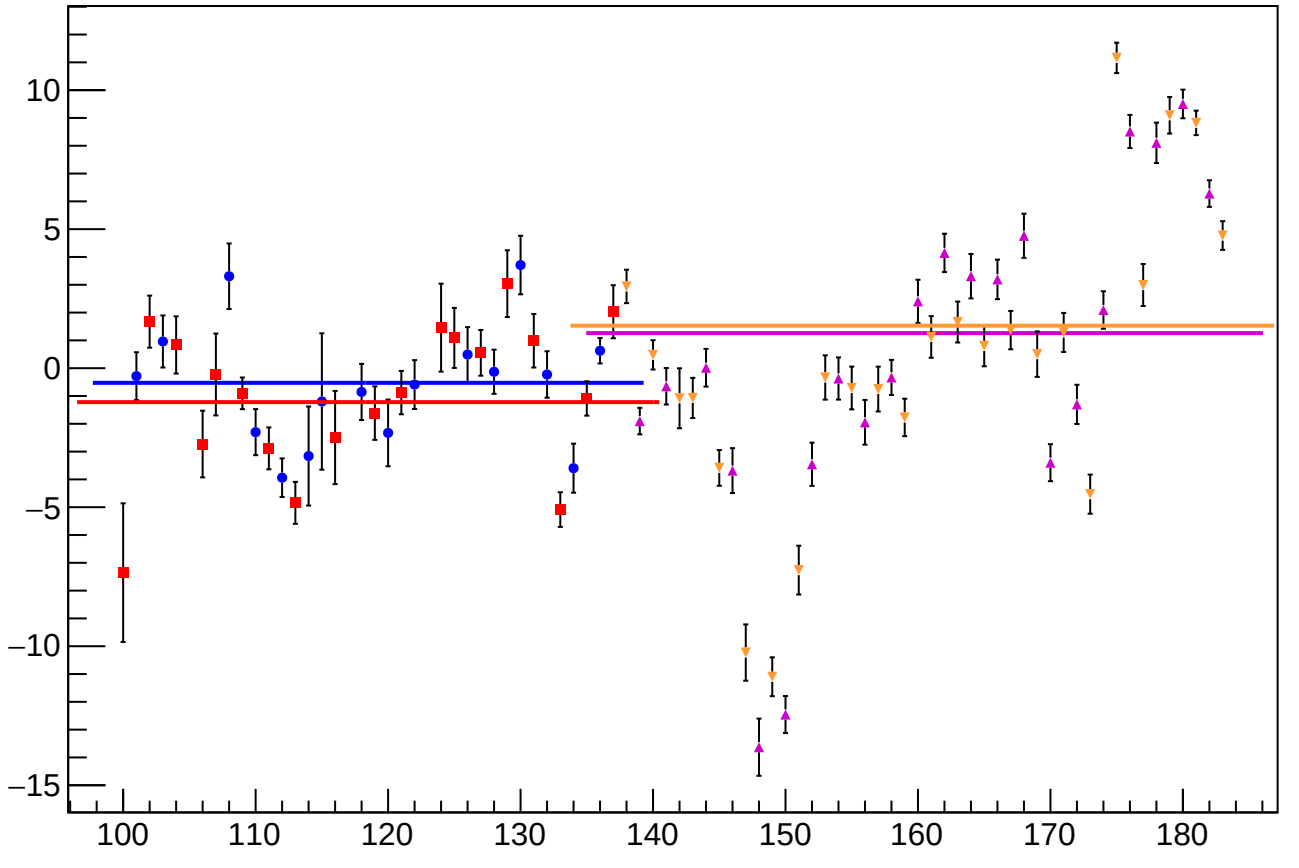
Left: 0.066+/-0.002 χ^2/NDF: 5624.1/45

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.173+/-0.002 χ^2/NDF:9291.3/37

Out: 0.152+/-0.002 χ^2/NDF:6883.3/42

All: 0.162+/-0.001 χ^2/NDF: 16232.1/80



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: 1.529+/-0.138 χ^2/NDF:1537.0/23

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: 1.262+/-0.142 χ^2/NDF:1512.0/21

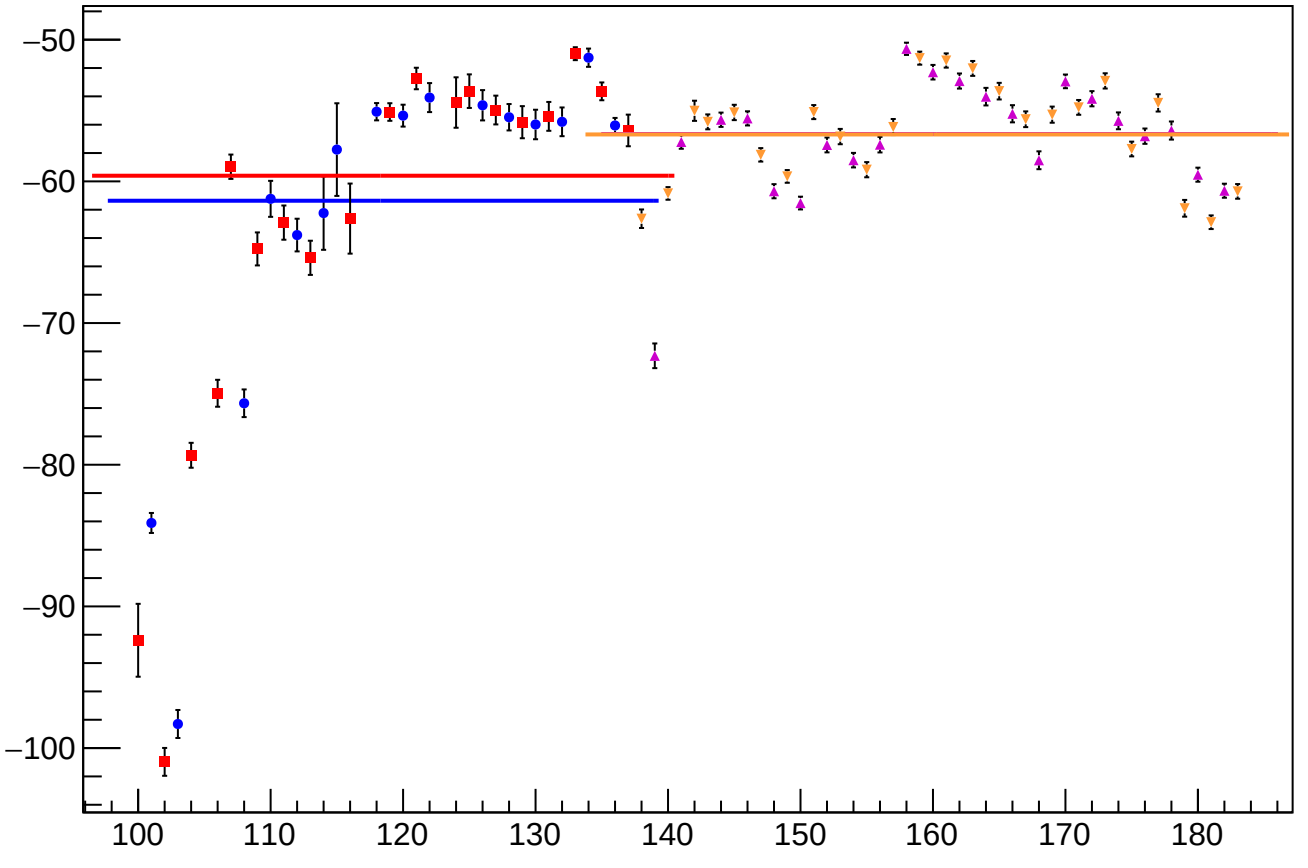
Left: 1.399+/-0.099 χ^2/NDF: 3050.8/45

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: 0.724+/-0.119 χ^2/NDF:1642.1/37

Out: 0.667+/-0.115 χ^2/NDF:1792.0/42

All: 0.694+/-0.083 χ^2/NDF: 3434.3/80



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.687+/-0.108 χ^2/NDF:1014.2/23

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -56.658+/-0.113 χ^2/NDF:1061.0/21

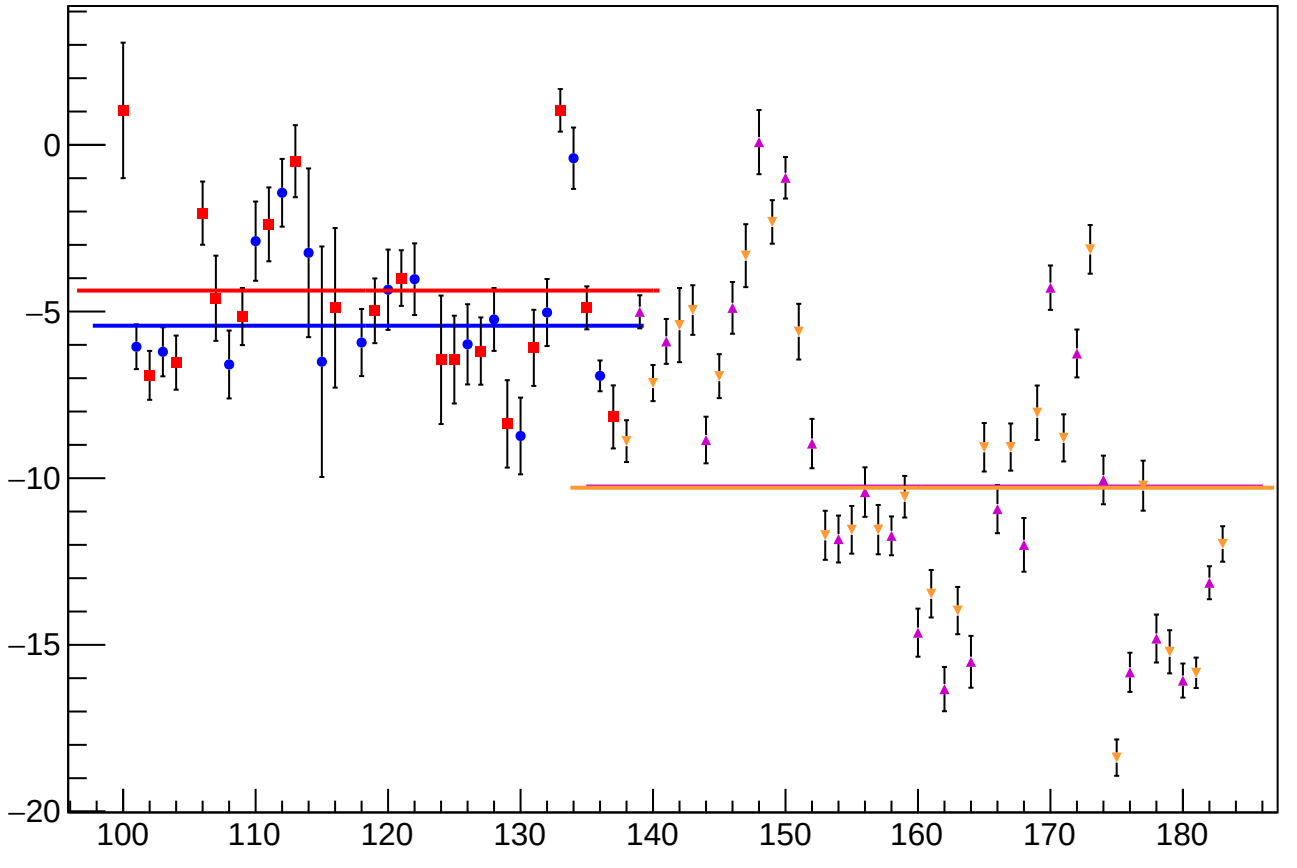
Left: -56.673+/-0.078 χ^2/NDF: 2075.3/45

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -57.648+/-0.100 χ^2/NDF:4777.3/37

Out: -57.313+/-0.096 χ^2/NDF:4591.7/42

All: -57.472+/-0.069 χ^2/NDF: 9374.9/80



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -10.286+/-0.137 χ^2/NDF:976.8/23

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -10.251+/-0.141 χ^2/NDF:1133.7/21

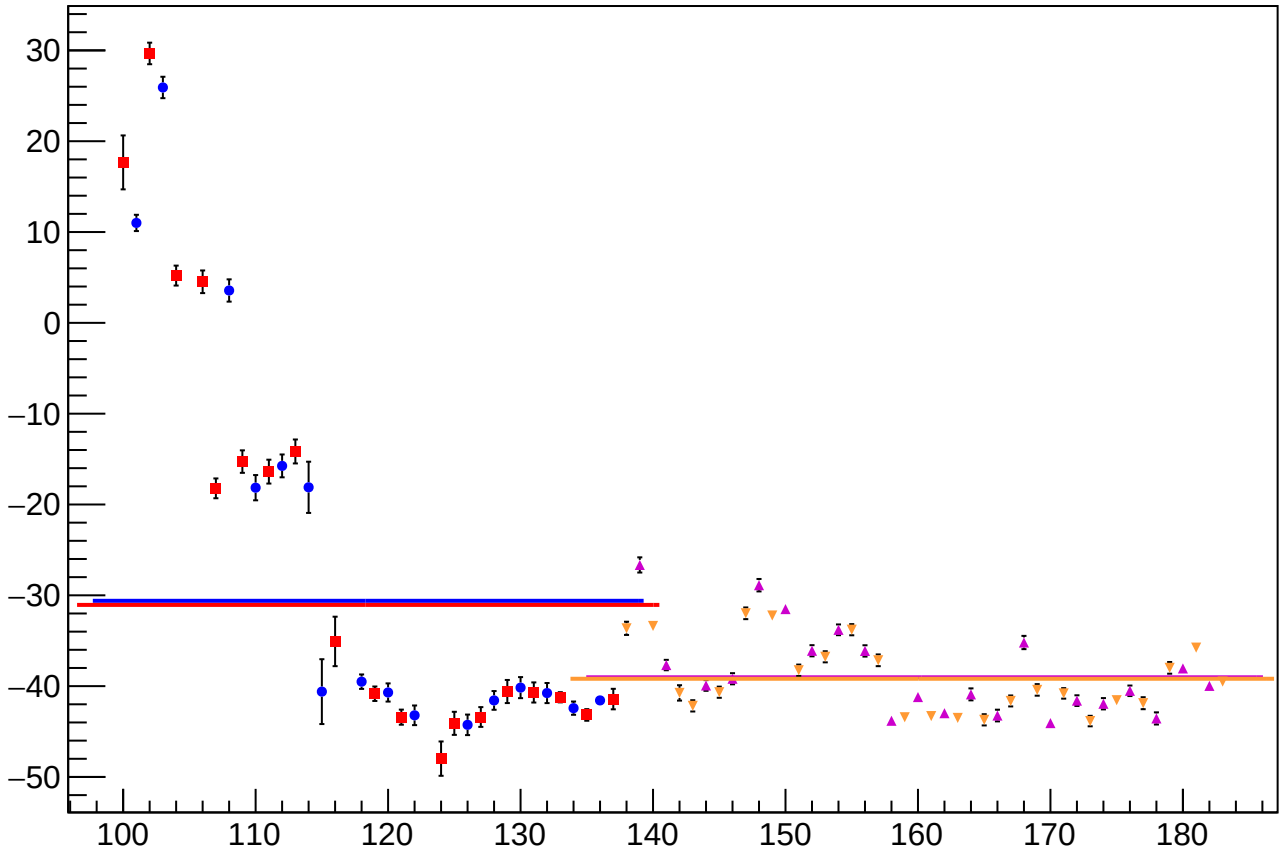
Left: -10.269+/-0.098 χ^2/NDF: 2110.5/45

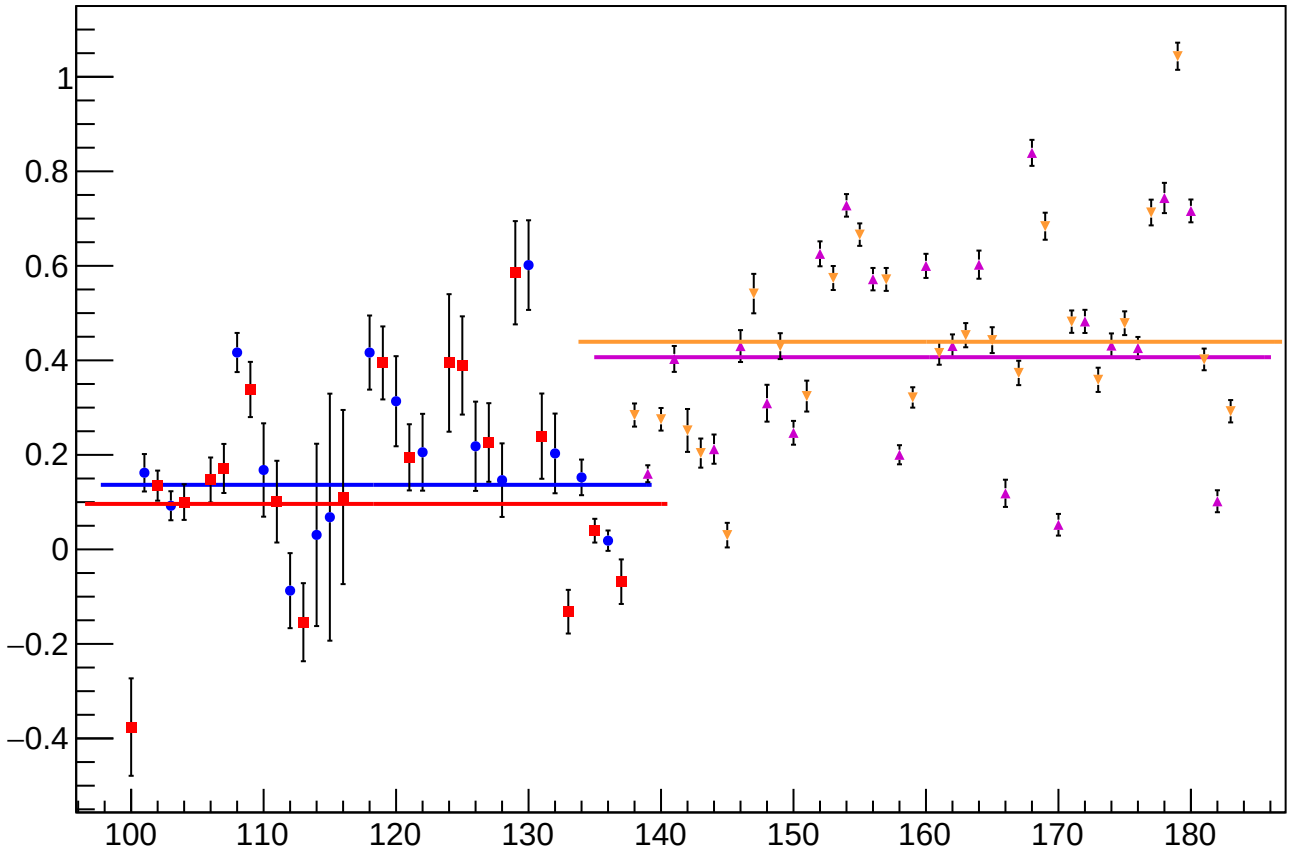
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

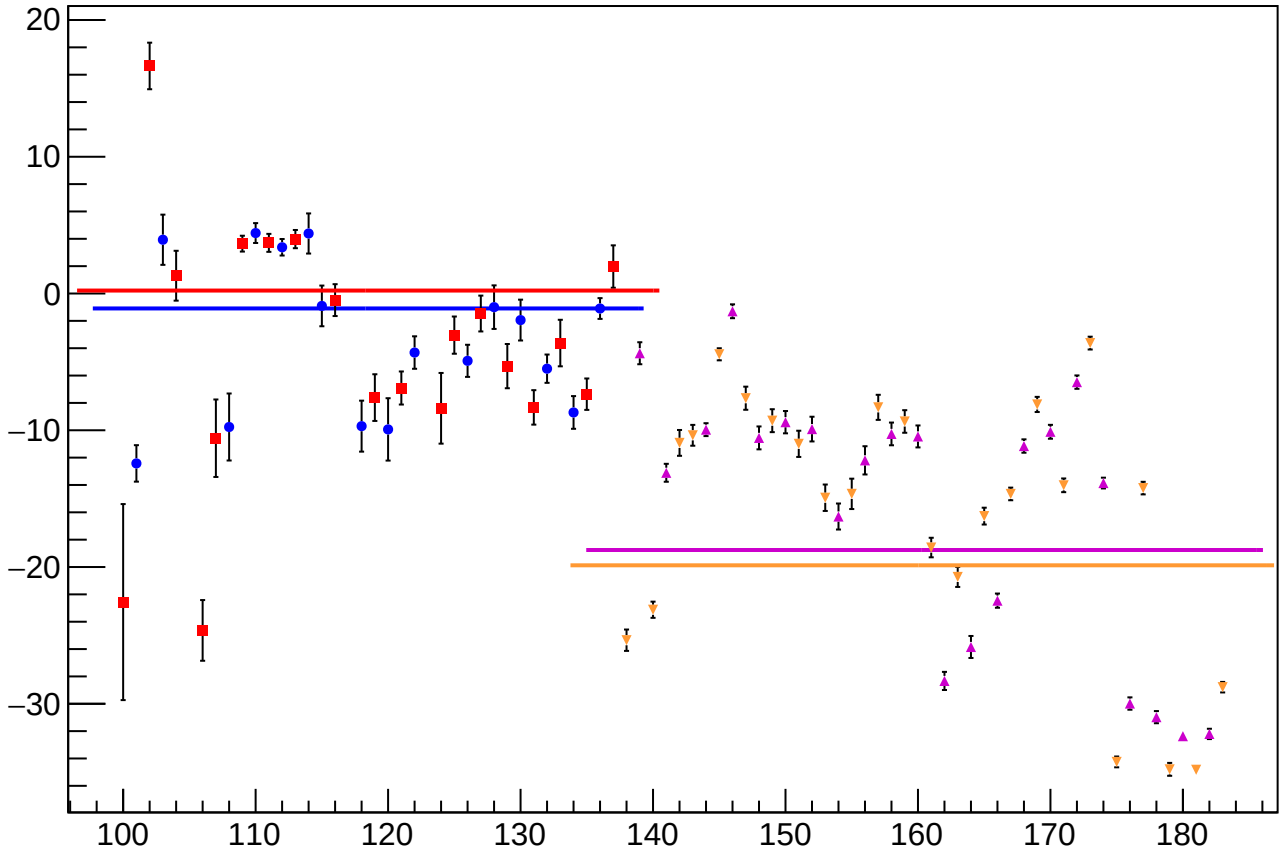
In: -8.933+/-0.120 χ^2/NDF:1529.9/37

Out: -8.654+/-0.117 χ^2/NDF:1645.1/42

All: -8.790+/-0.084 χ^2/NDF: 3177.8/80


reg_asym_sam_15_dd_diff_bpm4eY_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: -30.605+/-0.249 χ²/NDF: 6938.0/15
Left Out: -39.188+/-0.121 χ²/NDF:1034.0/23
Right Out: -31.056+/-0.238 χ²/NDF: 6976.4/18
Left In: -39.026+/-0.126 χ²/NDF:1225.4/21
Left: -39.110+/-0.087 χ²/NDF: 2260.3/45
Right: -30.841+/-0.172 χ²/NDF: 13916.2/34
In: -37.324+/-0.112 χ²/NDF:9073.1/37
Out: -37.515+/-0.108 χ²/NDF:8939.5/42
All: -37.423+/-0.078 χ²/NDF: 18014.1/80


reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected
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: 0.137+/-0.013 χ²/NDF: 129.2/15
Left Out: 0.439+/-0.005 χ²/NDF:1287.9/23
Right Out: 0.096+/-0.012 χ²/NDF: 147.7/18
Left In: 0.407+/-0.005 χ²/NDF:1823.5/21
Left: 0.423+/-0.004 χ²/NDF: 3129.8/45
Right: 0.116+/-0.009 χ²/NDF: 282.3/34
In: 0.364+/-0.005 χ²/NDF:2346.0/37
Out: 0.385+/-0.005 χ²/NDF:2085.7/42
All: 0.375+/-0.003 χ²/NDF: 4440.5/80



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -19.875+/-0.115 χ^2/NDF:9508.0/23

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: -19.329+/-0.082 χ^2/NDF: 17778.2/45

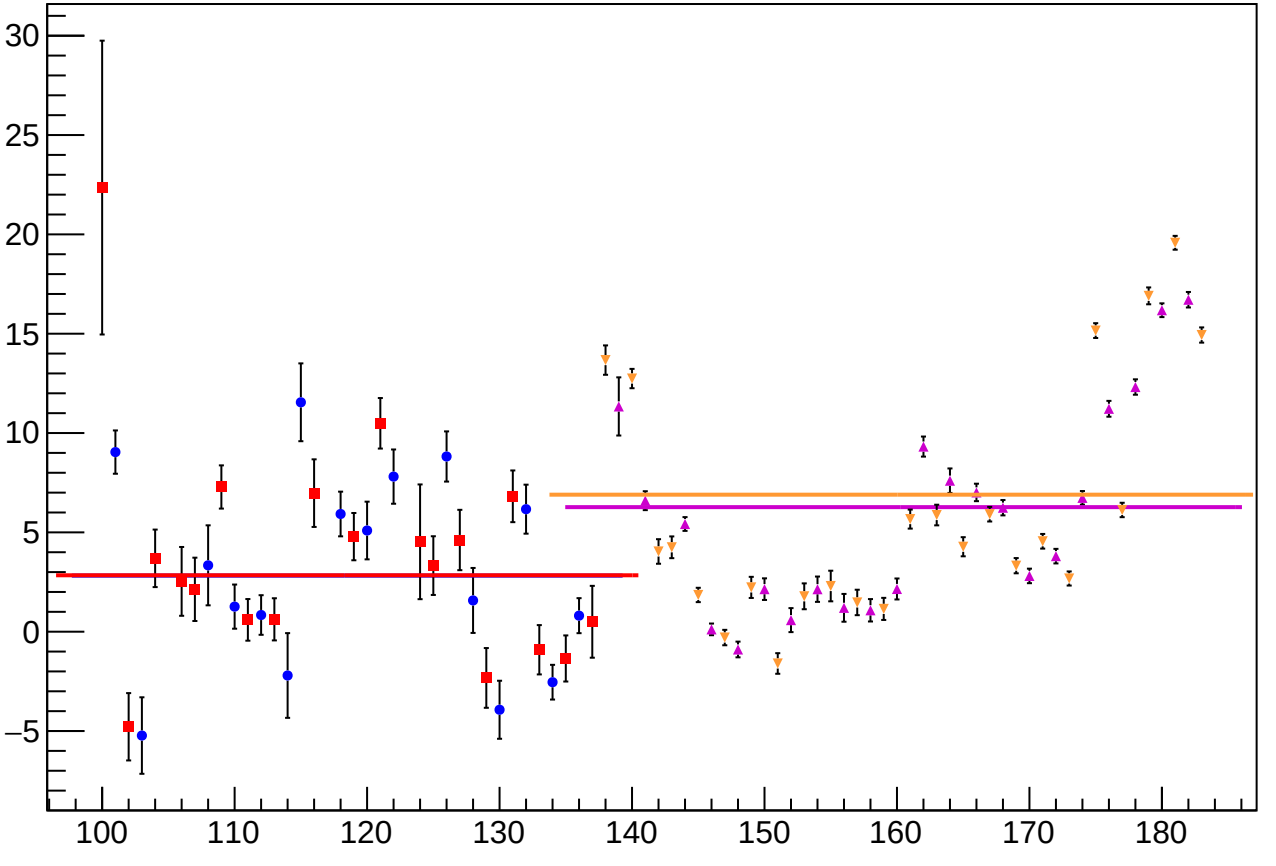
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -16.116+/-0.108 χ^2/NDF:11926.6/37

Out: -16.727+/-0.105 χ^2/NDF:14833.1/42

All: -16.430+/-0.076 χ^2/NDF: 26776.0/80

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 6.897+/-0.091 χ^2/NDF:4563.6/23

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 6.270+/-0.092 χ^2/NDF:3283.0/21

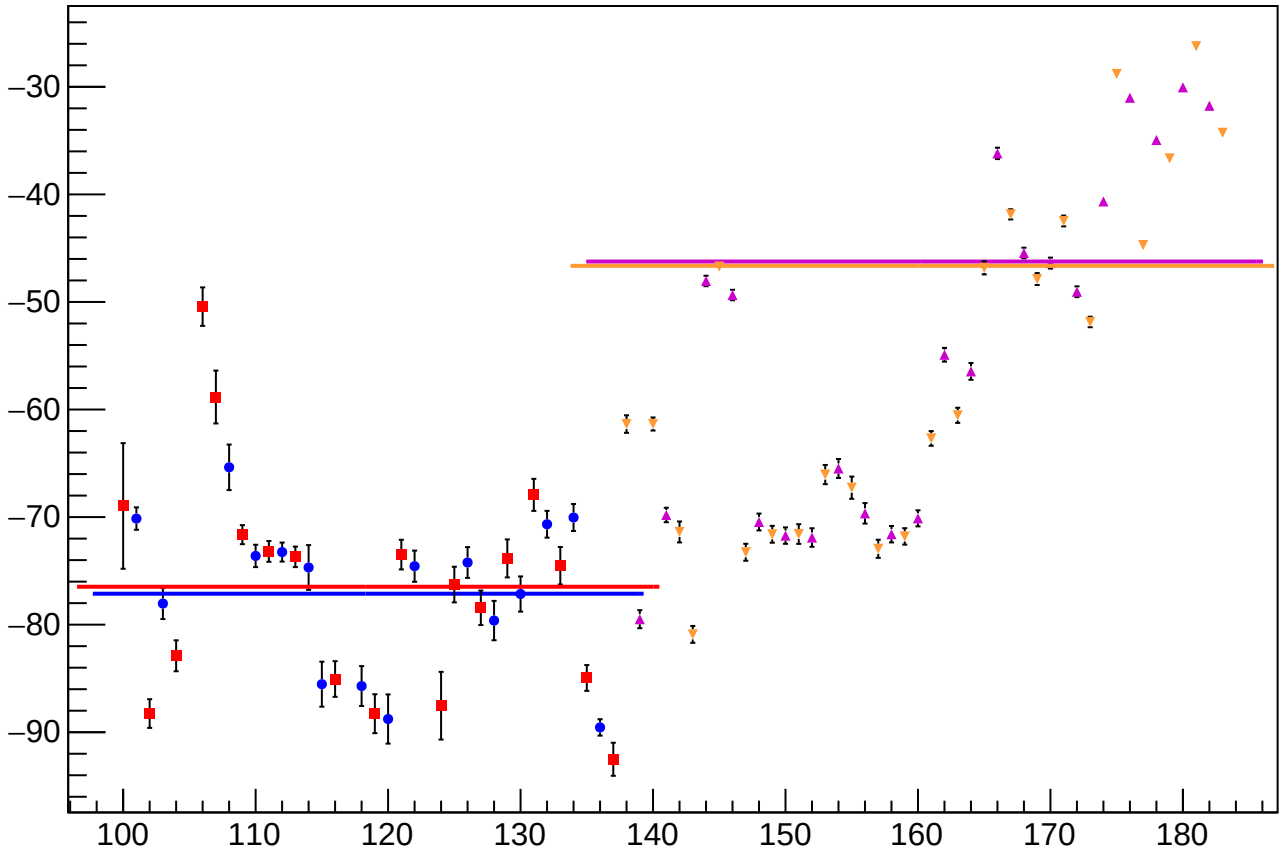
Left: 6.587+/-0.065 χ^2/NDF: 7870.1/45

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 5.996+/-0.088 χ^2/NDF:3593.9/37

Out: 6.597+/-0.088 χ^2/NDF:4855.3/42

All: 6.299+/-0.062 χ^2/NDF: 8472.5/80



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -46.641+/-0.115 χ^2/NDF:17777.4/23

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -46.242+/-0.118 χ^2/NDF:15168.9/21

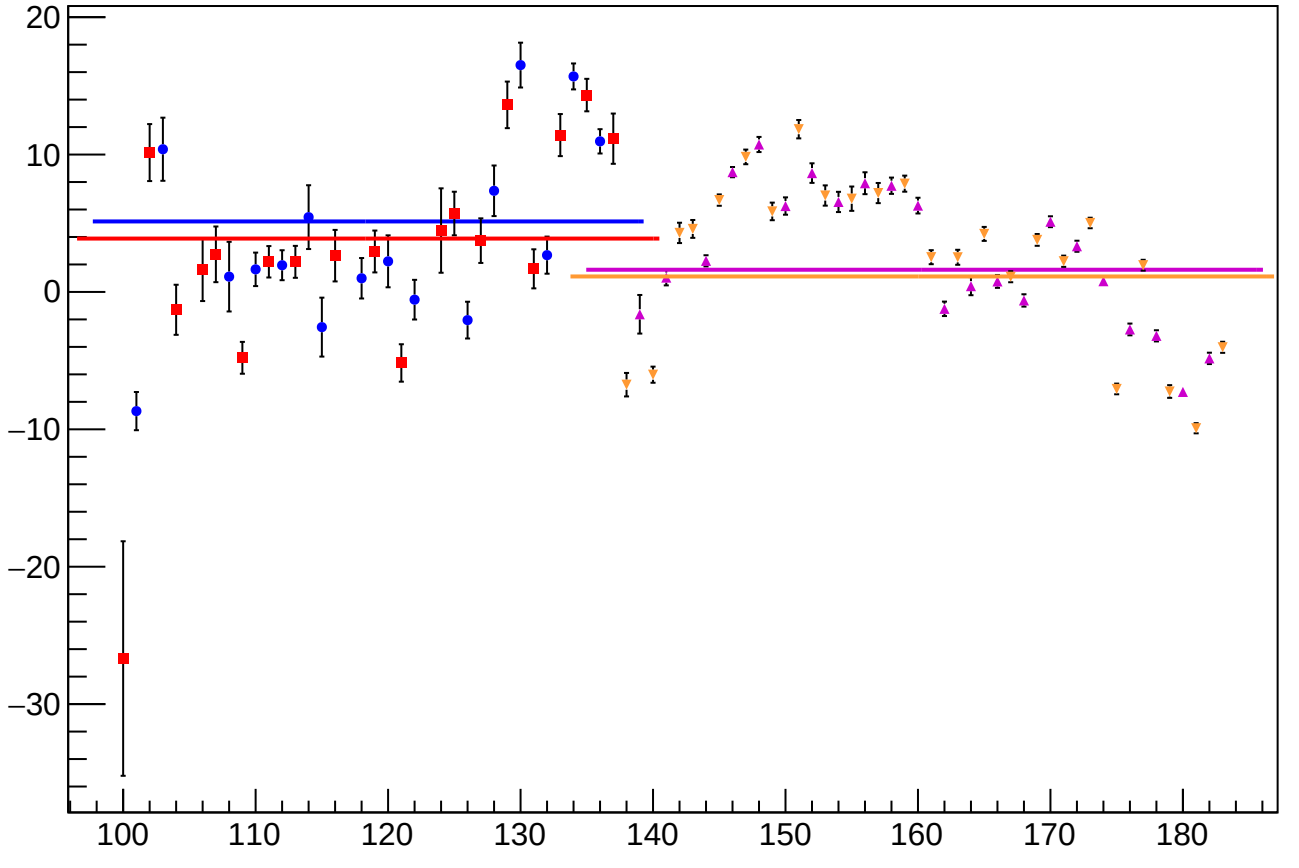
Left: -46.445+/-0.082 χ^2/NDF: 32952.1/45

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -49.795+/-0.111 χ^2/NDF:23599.3/37

Out: -49.908+/-0.109 χ^2/NDF:25818.9/42

All: -49.852+/-0.078 χ^2/NDF: 49418.7/80



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 1.127+/-0.102 χ^2/NDF:3368.8/23

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 1.616+/-0.103 χ^2/NDF:2314.0/21

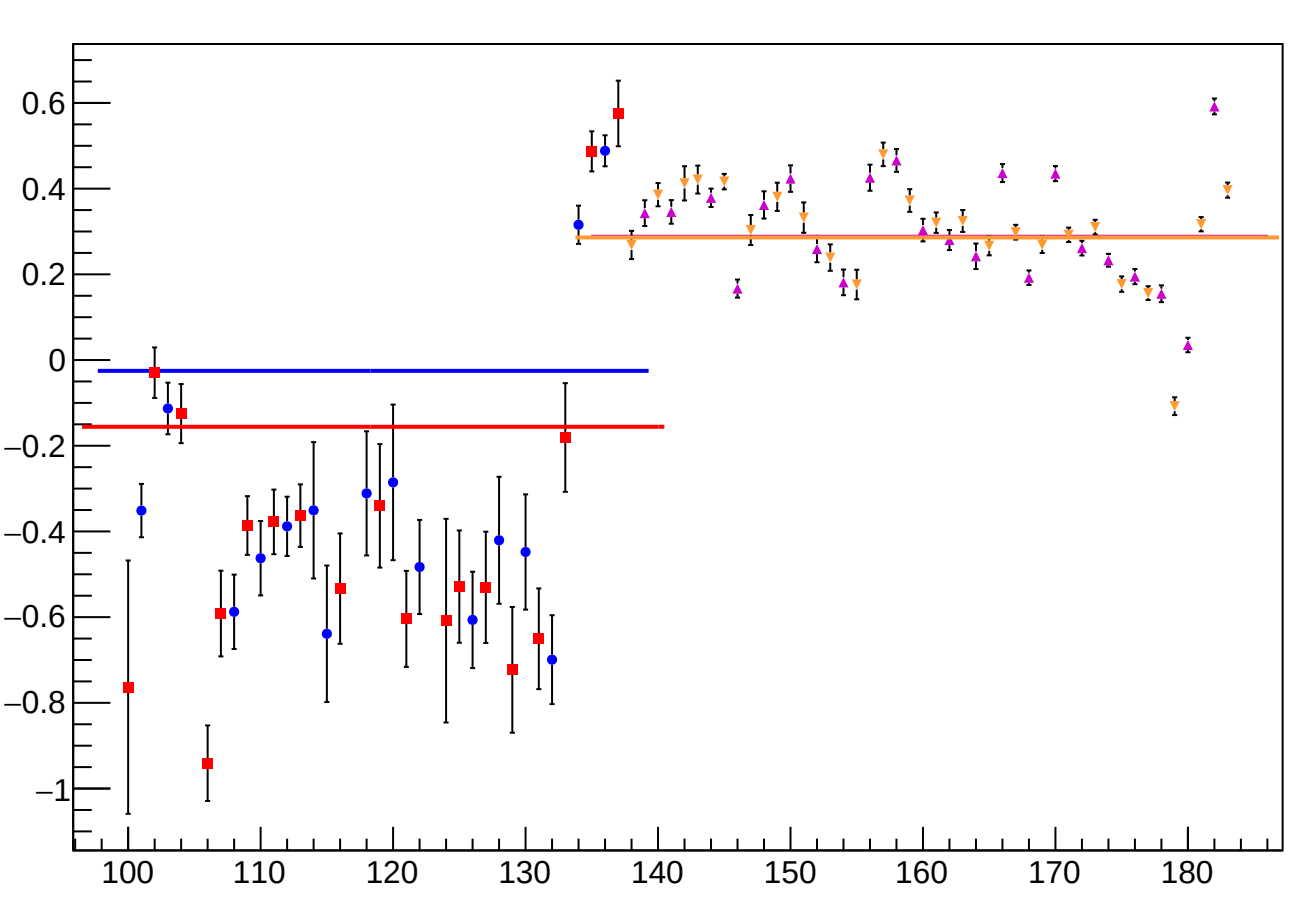
Left: 1.368+/-0.072 χ^2/NDF: 5694.3/45

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 1.897+/-0.099 χ^2/NDF:2819.4/37

Out: 1.329+/-0.098 χ^2/NDF:3714.3/42

All: 1.610+/-0.069 χ^2/NDF: 6550.3/80



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.286+/-0.005 χ^2/NDF:689.0/23

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.288+/-0.005 χ^2/NDF:900.1/21

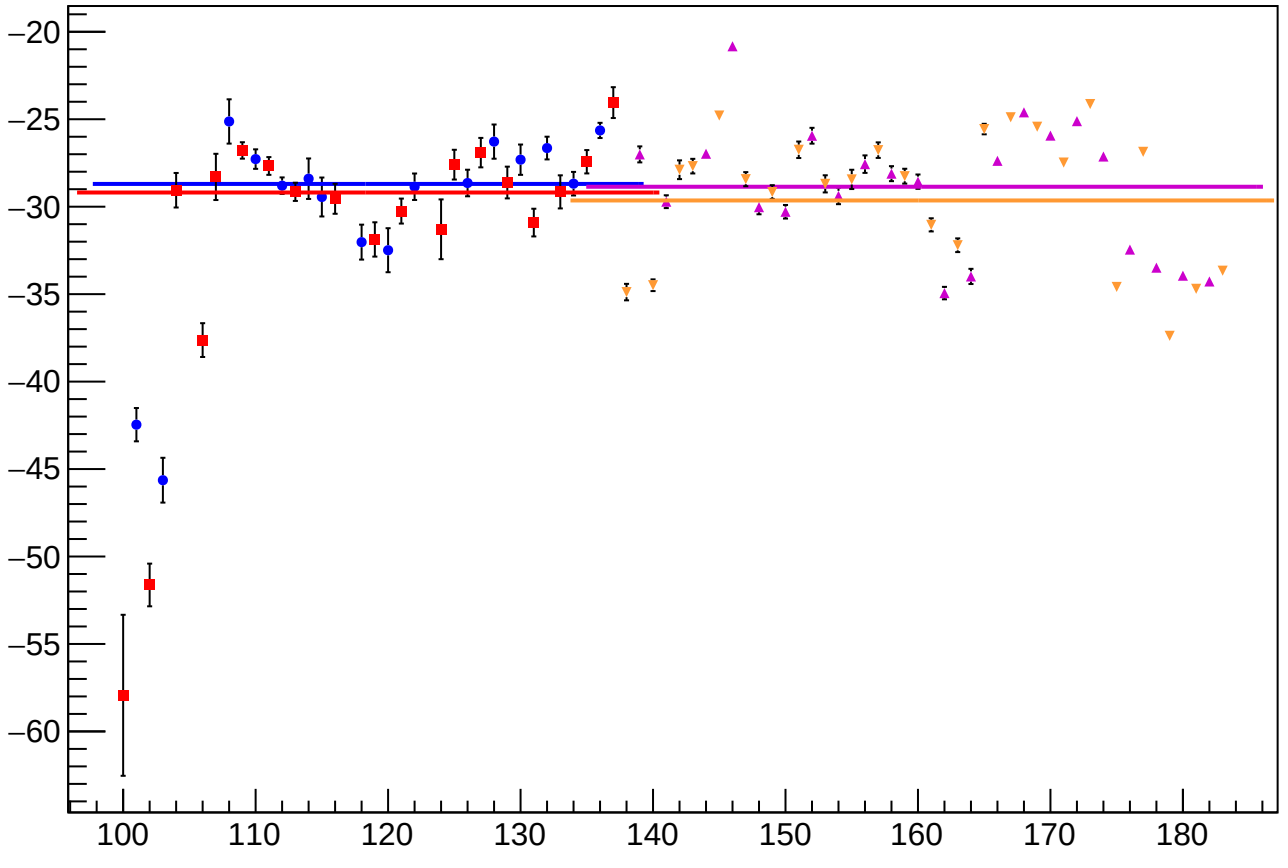
Left: 0.287+/-0.003 χ^2/NDF: 1589.1/45

Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.270+/-0.004 χ^2/NDF:1670.3/37

Out: 0.265+/-0.004 χ^2/NDF:1638.6/42

All: 0.267+/-0.003 χ^2/NDF: 3309.7/80



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -29.643+/-0.057 χ^2/NDF:5880.4/23

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -28.859+/-0.058 χ^2/NDF:5172.5/21

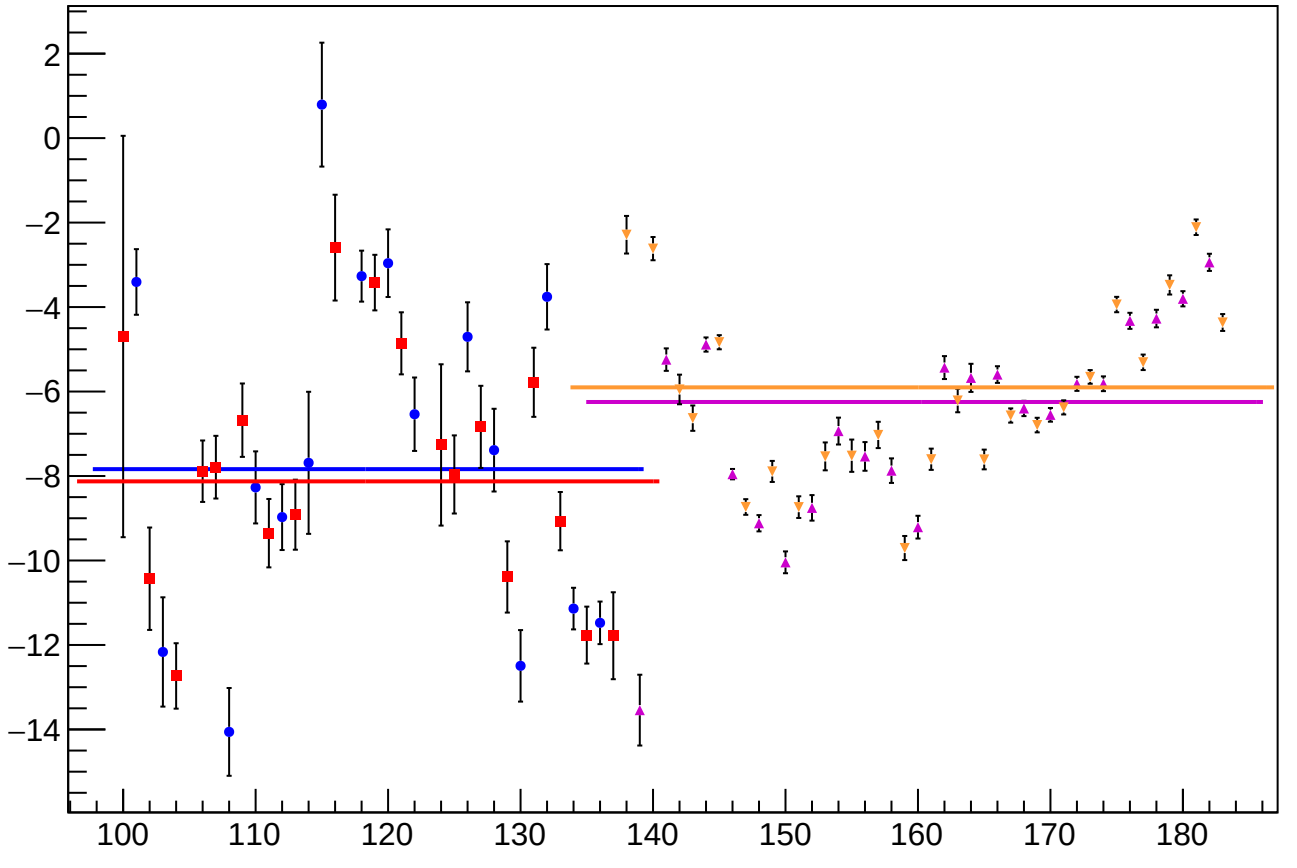
Left: -29.255+/-0.041 χ^2/NDF: 11146.5/45

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -28.845+/-0.055 χ^2/NDF:5660.5/37

Out: -29.603+/-0.054 χ^2/NDF:6443.4/42

All: -29.228+/-0.039 χ^2/NDF: 12199.7/80



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -5.901+/-0.045 χ^2/NDF:1785.5/23

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -6.247+/-0.044 χ^2/NDF:1707.9/21

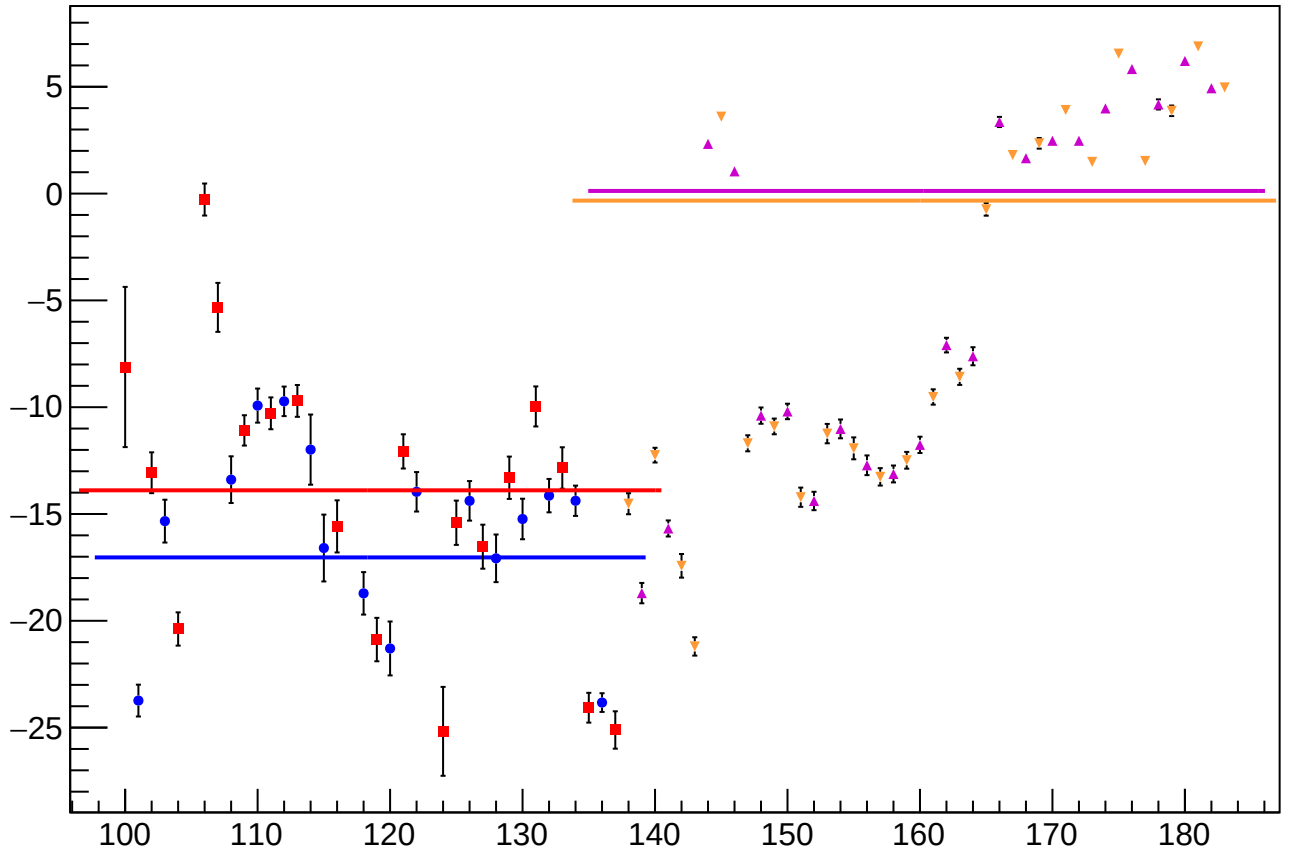
Left: -6.076+/-0.032 χ^2/NDF: 3523.4/45

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -6.326+/-0.043 χ^2/NDF:2154.3/37

Out: -6.011+/-0.044 χ^2/NDF:2104.5/42

All: -6.170+/-0.031 χ^2/NDF: 4284.9/80



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -0.329+/-0.057 χ^2/NDF:17174.4/23

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: 0.124+/-0.058 χ^2/NDF:13838.6/21

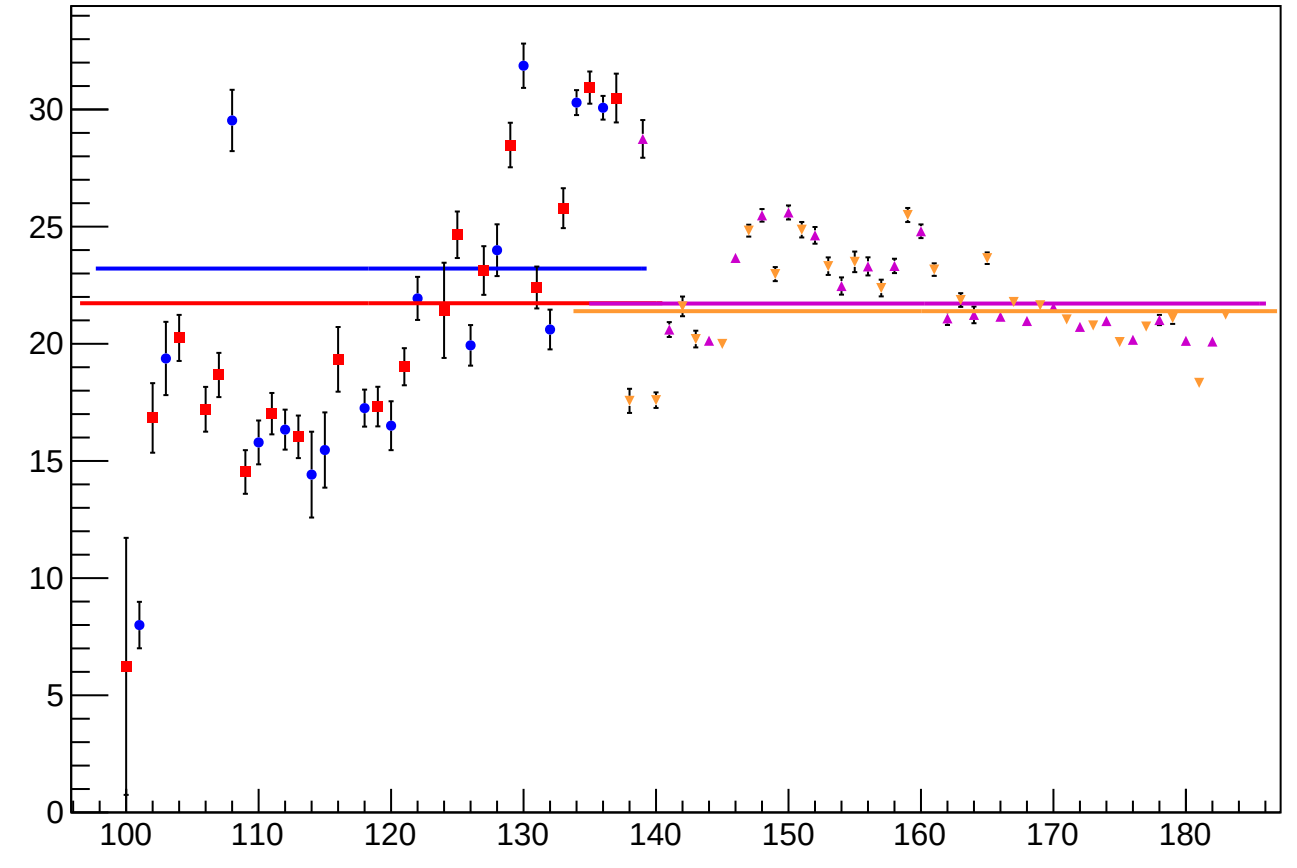
Left: -0.104+/-0.041 χ^2/NDF: 31044.1/45

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -1.083+/-0.056 χ^2/NDF:20682.1/37

Out: -1.272+/-0.055 χ^2/NDF:22098.3/42

All: -1.178+/-0.039 χ^2/NDF: 42786.2/80



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.392+/-0.050 χ^2/NDF:1273.1/23

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 21.718+/-0.050 χ^2/NDF:1172.4/21

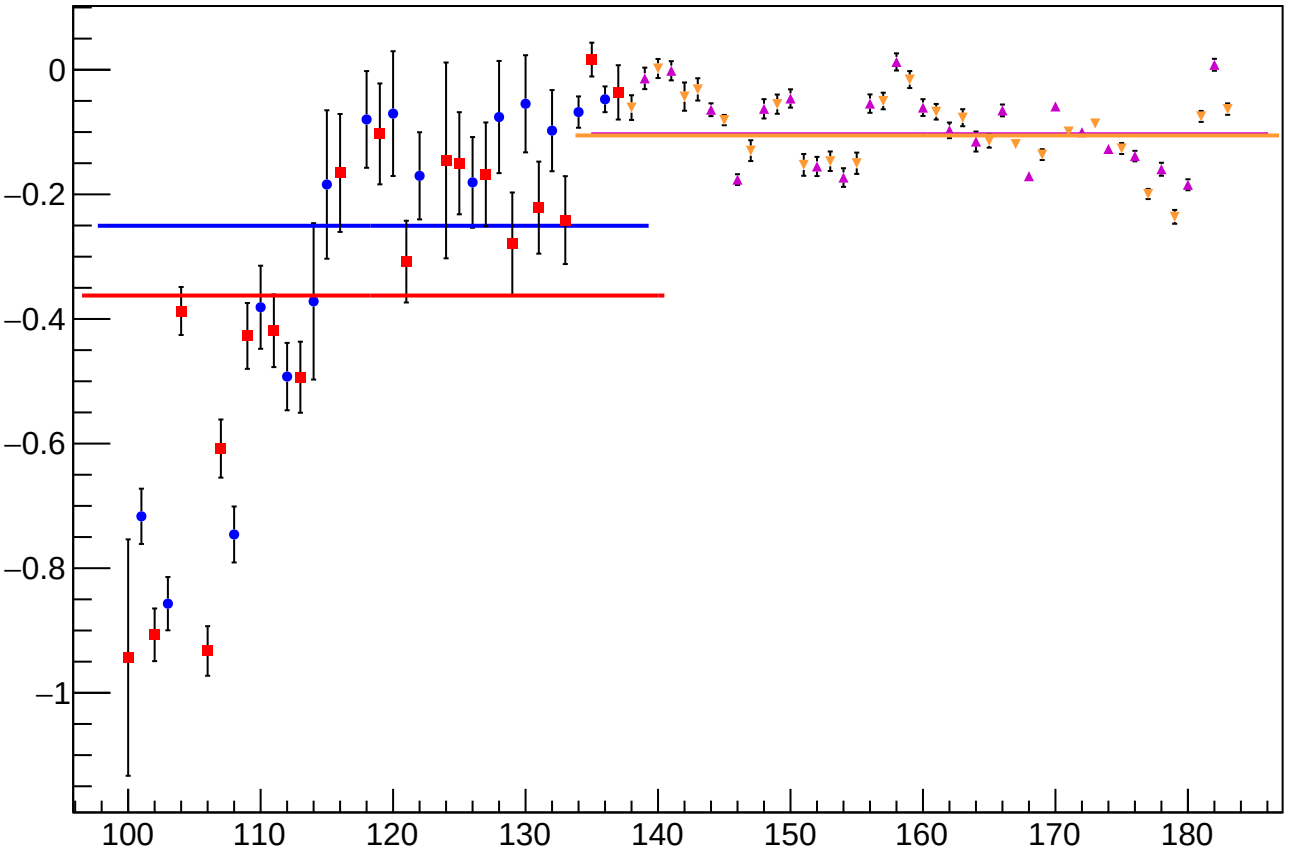
Left: 21.556+/-0.035 χ^2/NDF: 2466.7/45

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 21.793+/-0.049 χ^2/NDF:2225.1/37

Out: 21.409+/-0.049 χ^2/NDF:1833.5/42

All: 21.601+/-0.035 χ^2/NDF: 4089.6/80



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.105+/-0.002 χ^2/NDF:528.6/23

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: -0.104+/-0.002 χ^2/NDF: 1230.2/45

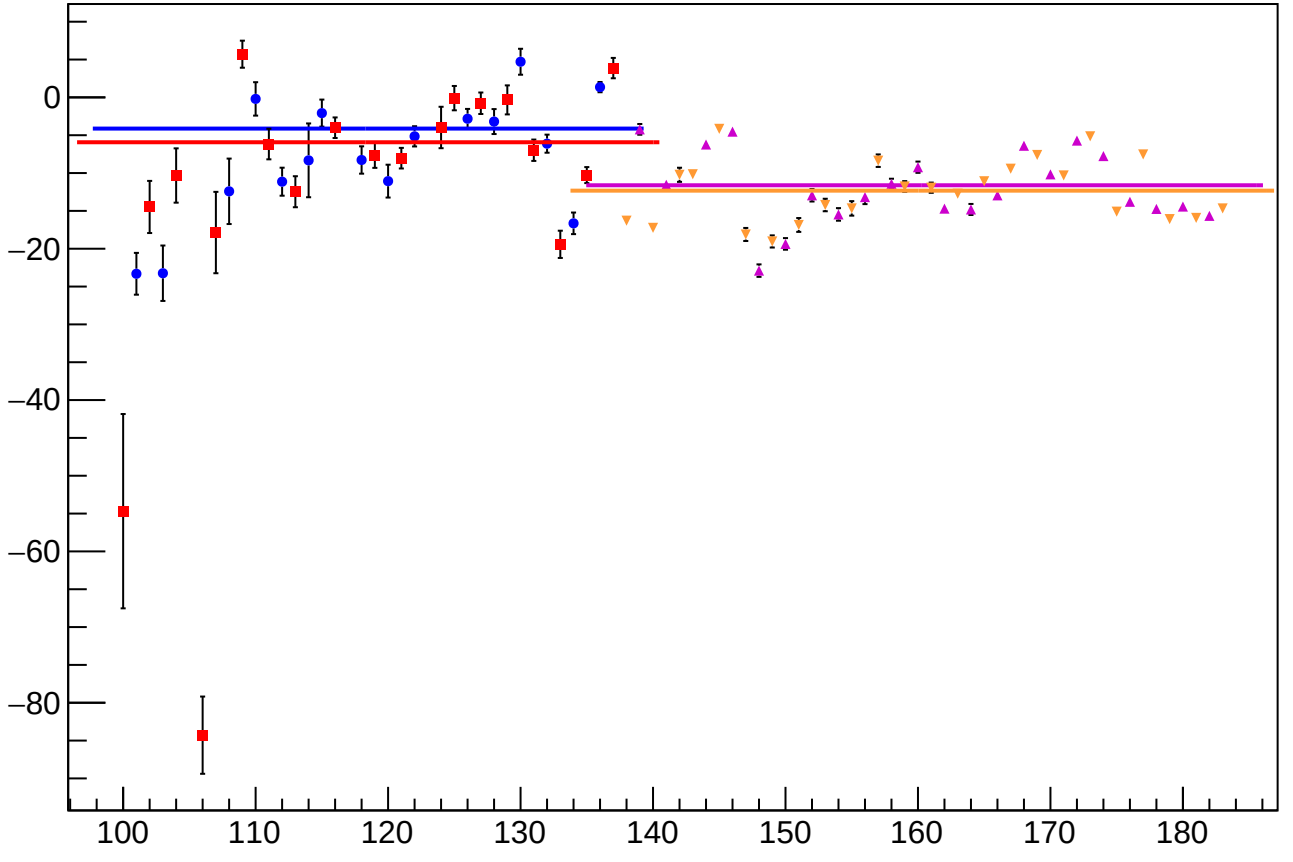
Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.109+/-0.002 χ^2/NDF:1487.8/37

Out: -0.114+/-0.002 χ^2/NDF:1652.1/42

All: -0.111+/-0.002 χ^2/NDF: 3142.4/80

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -12.326+/-0.093 χ^2/NDF:1993.9/23

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -11.614+/-0.096 χ^2/NDF:1928.6/21

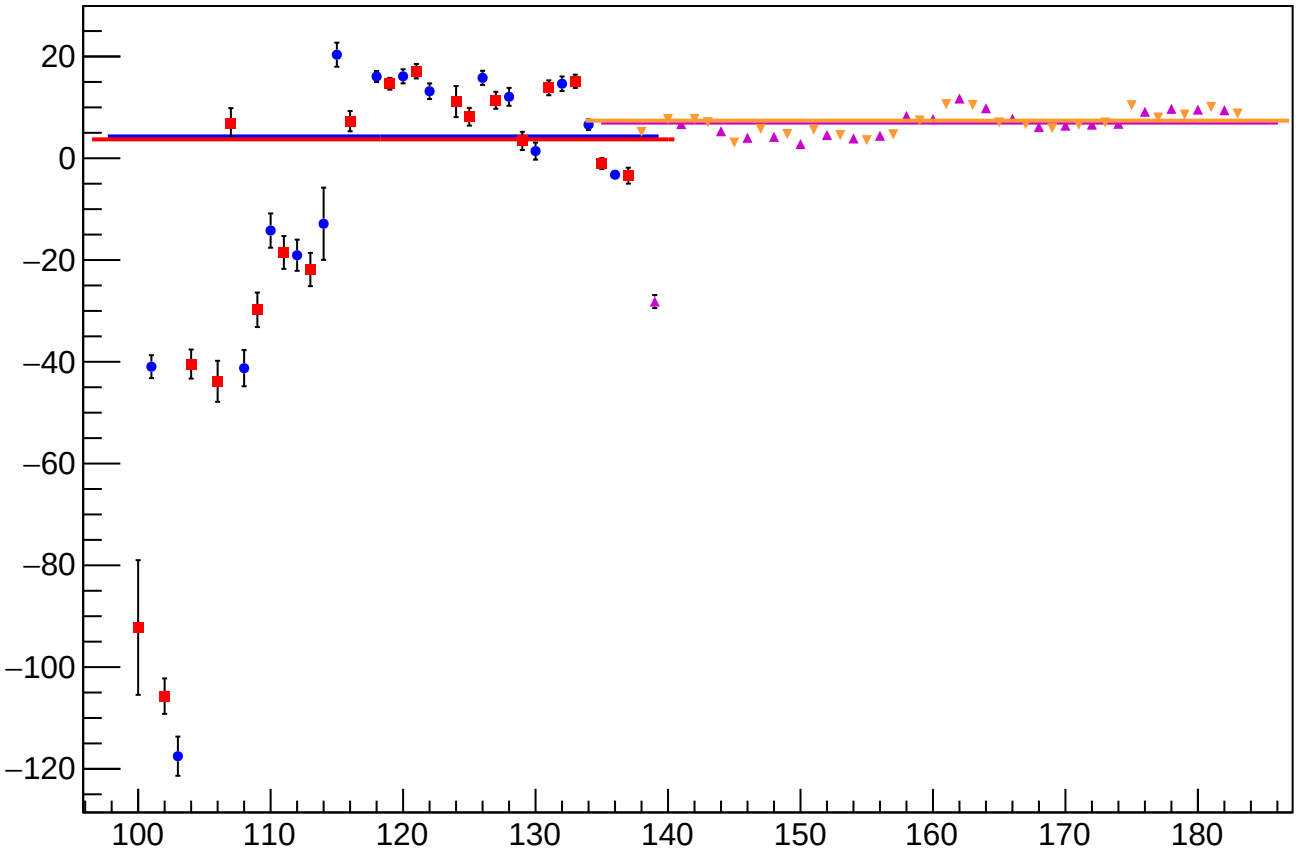
Left: -11.982+/-0.067 χ^2/NDF: 3950.9/45

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -11.169+/-0.093 χ^2/NDF:2578.6/37

Out: -12.011+/-0.091 χ^2/NDF:2710.5/42

All: -11.602+/-0.065 χ^2/NDF: 5331.1/80



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 7.396+/-0.076 χ^2/NDF:758.1/23

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 7.011+/-0.077 χ^2/NDF:1575.7/21

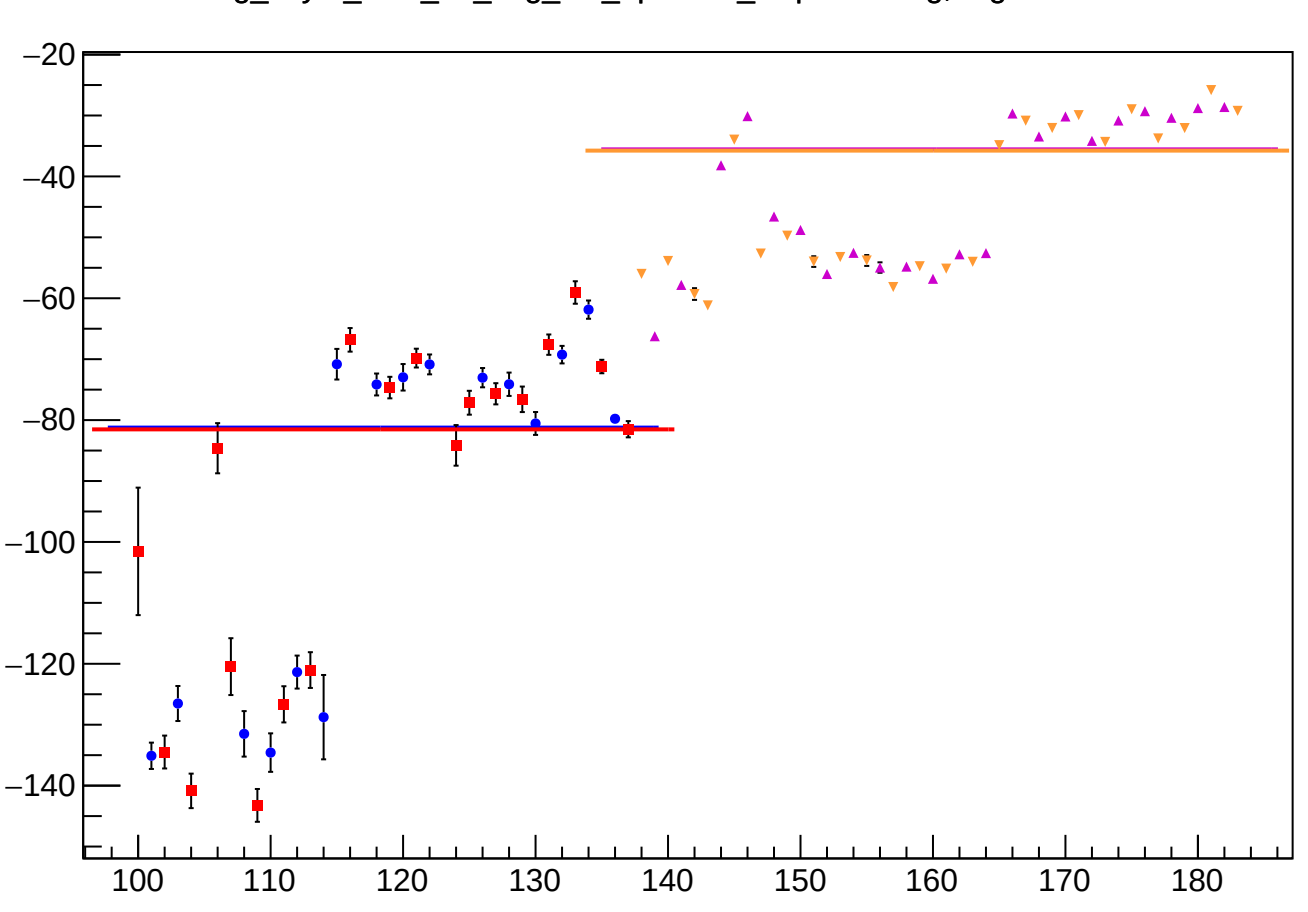
Left: 7.206+/-0.054 χ^2/NDF: 2346.5/45

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 6.907+/-0.075 χ^2/NDF:3792.7/37

Out: 7.281+/-0.075 χ^2/NDF:2838.8/42

All: 7.096+/-0.053 χ^2/NDF: 6643.9/80



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -35.764+/-0.094 χ^2/NDF:12755.3/23

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: -35.664+/-0.067 χ^2/NDF: 23906.9/45

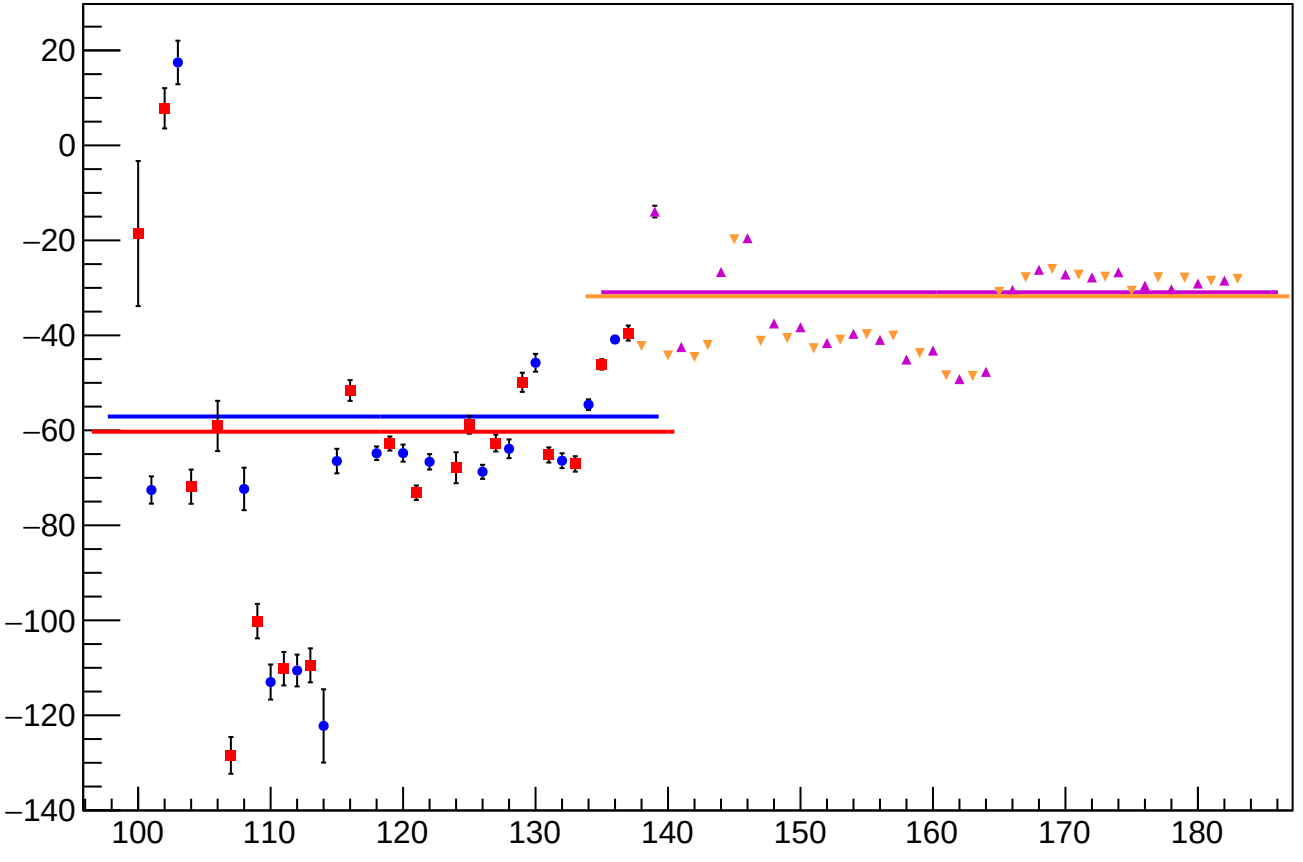
Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -37.866+/-0.094 χ^2/NDF:24519.5/37

Out: -37.567+/-0.092 χ^2/NDF:24488.3/42

All: -37.713+/-0.066 χ^2/NDF: 49013.0/80

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: -31.779+/-0.084 χ^2/NDF:8123.6/23

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: -31.363+/-0.060 χ^2/NDF: 15616.0/45

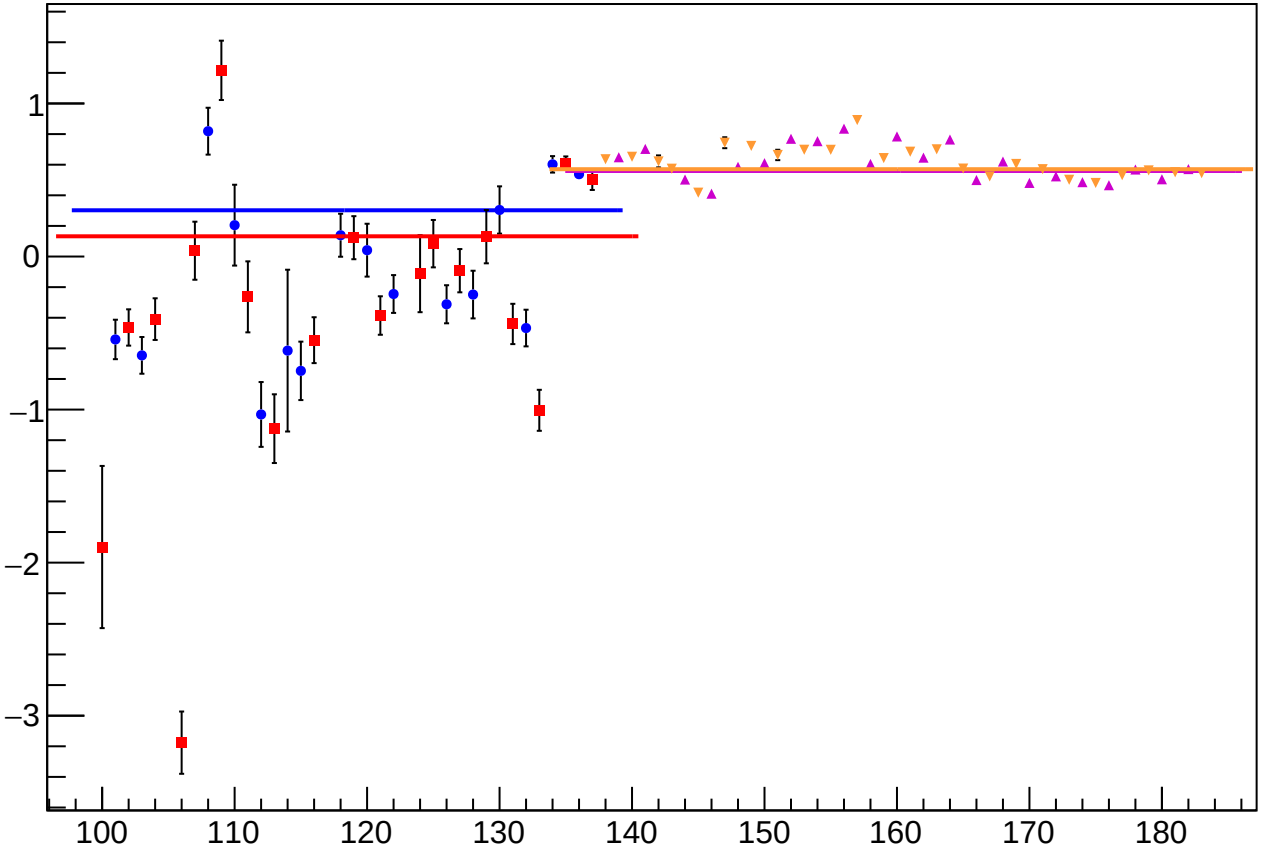
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -31.945+/-0.084 χ^2/NDF:12598.0/37

Out: -32.661+/-0.083 χ^2/NDF:13276.3/42

All: -32.308+/-0.059 χ^2/NDF: 25911.3/80

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: 0.571+/-0.004 χ^2/NDF:543.8/23

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.559+/-0.004 χ^2/NDF:670.1/21

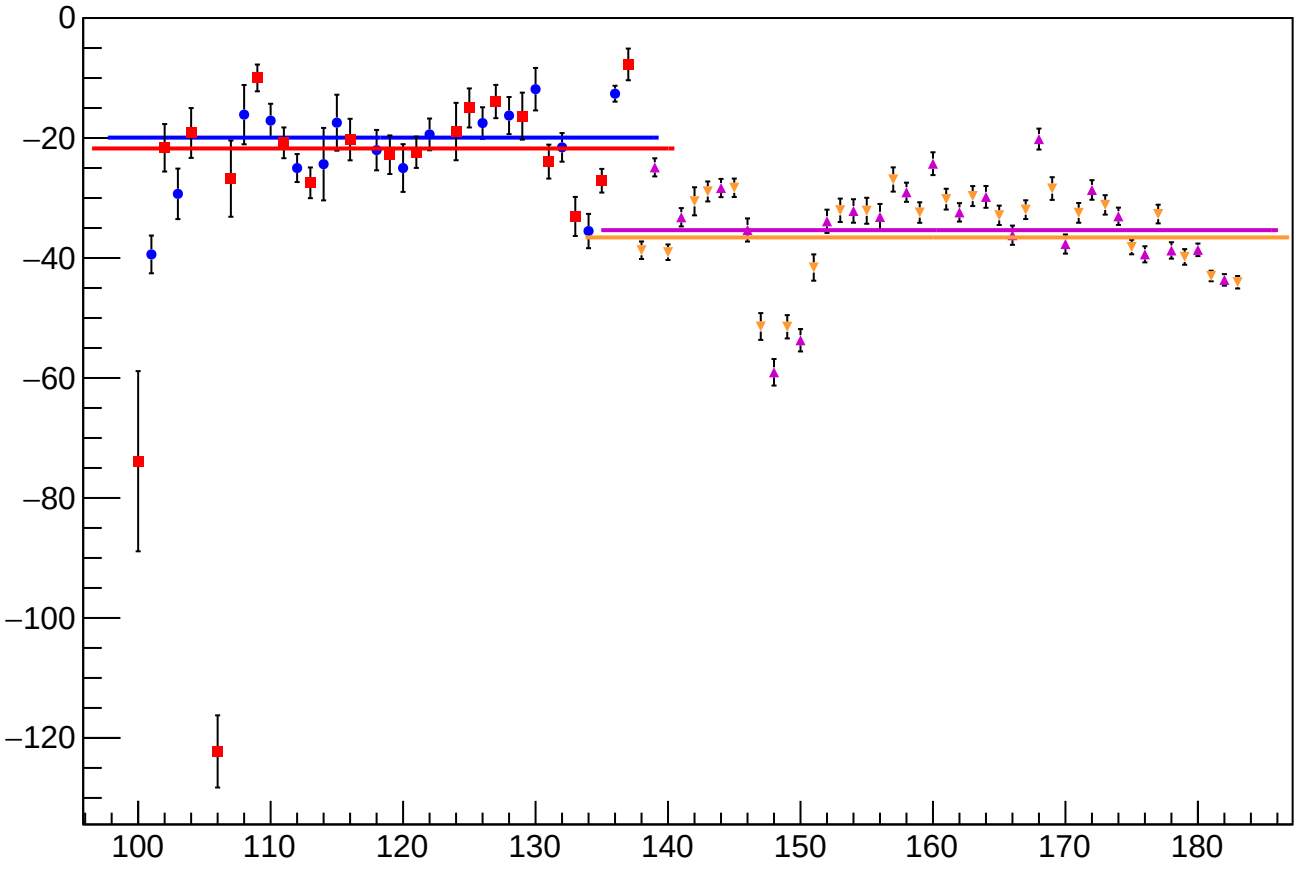
Left: 0.565+/-0.003 χ^2/NDF: 1218.4/45

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.552+/-0.004 χ^2/NDF:1166.9/37

Out: 0.562+/-0.004 χ^2/NDF:1484.5/42

All: 0.557+/-0.003 χ^2/NDF: 2654.8/80



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -36.571+/-0.313 χ^2/NDF:408.9/23

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: -35.994+/-0.227 χ^2/NDF: 962.3/45

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -32.535+/-0.297 χ^2/NDF:1069.5/37

Out: -34.174+/-0.287 χ^2/NDF:1159.0/42

All: -33.384+/-0.206 χ^2/NDF: 2244.2/80

Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.293+/-0.247 χ^2/NDF:516.7/23

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -35.749+/-0.259 χ^2/NDF:1526.3/21

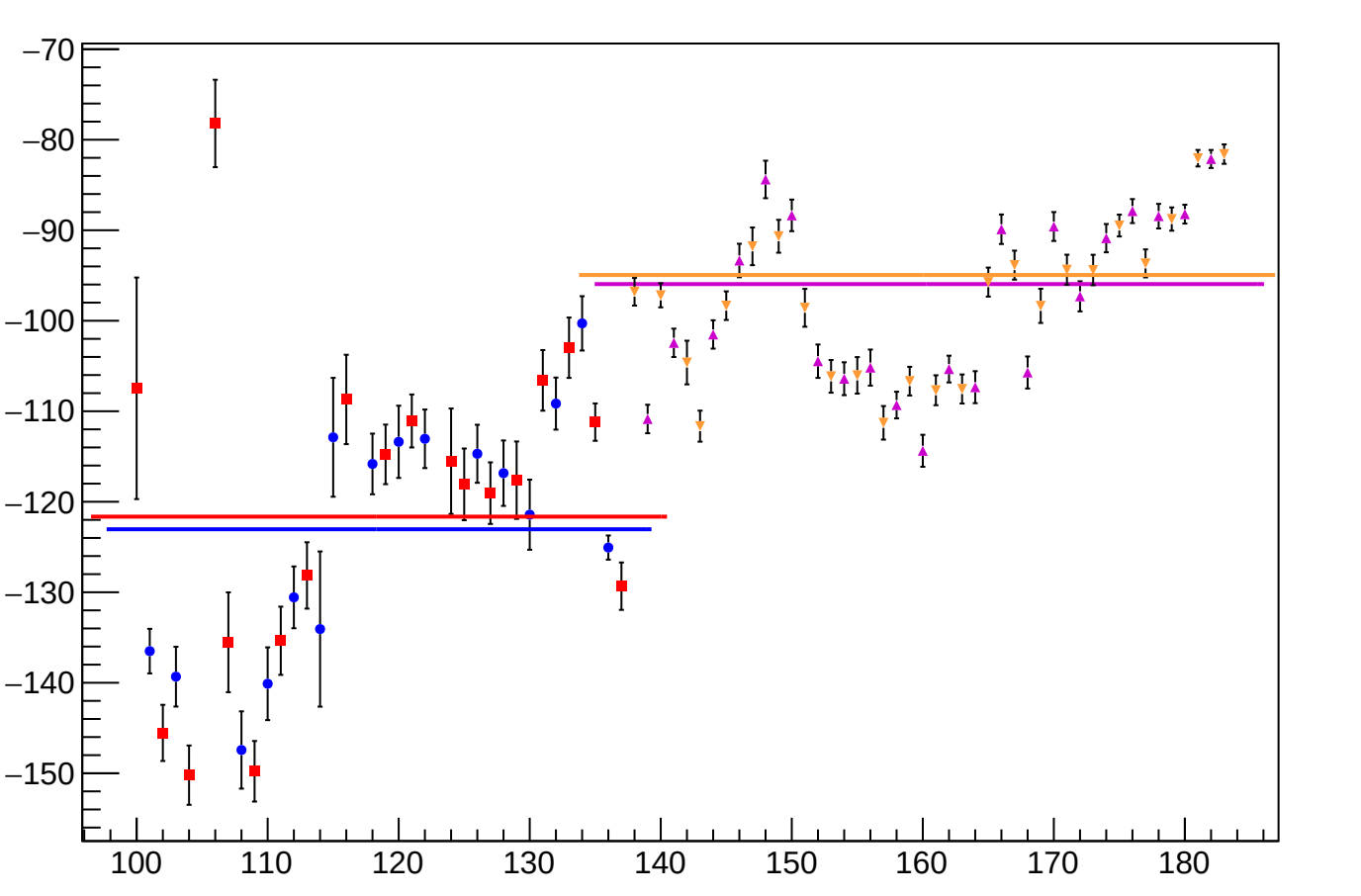
Left: -35.510+/-0.179 χ^2/NDF: 2044.6/45

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -37.705+/-0.243 χ^2/NDF:3786.0/37

Out: -37.007+/-0.235 χ^2/NDF:2669.4/42

All: -37.343+/-0.169 χ^2/NDF: 6459.6/80



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -94.948+/-0.313 χ^2/NDF:856.0/23

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -95.949+/-0.326 χ^2/NDF:907.8/21

Left: -95.427+/-0.226 χ^2/NDF: 1768.7/45

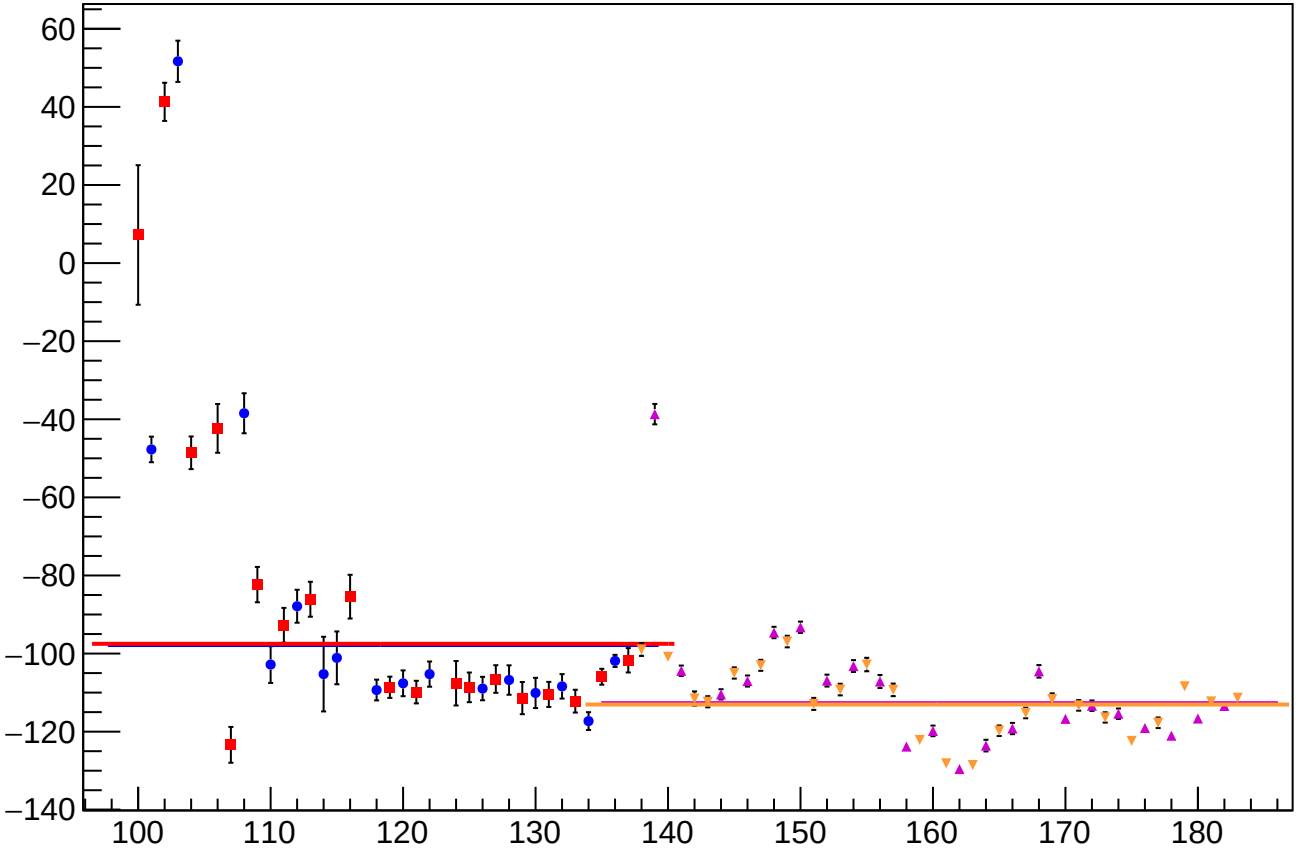
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -100.263+/-0.299 χ^2/NDF:2231.5/37

Out: -98.478+/-0.291 χ^2/NDF:2244.1/42

All: -99.347+/-0.209 χ^2/NDF: 4493.8/80

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: -113.050+/-0.277 χ^2/NDF:891.5/23

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -112.700+/-0.289 χ^2/NDF:1763.0/21

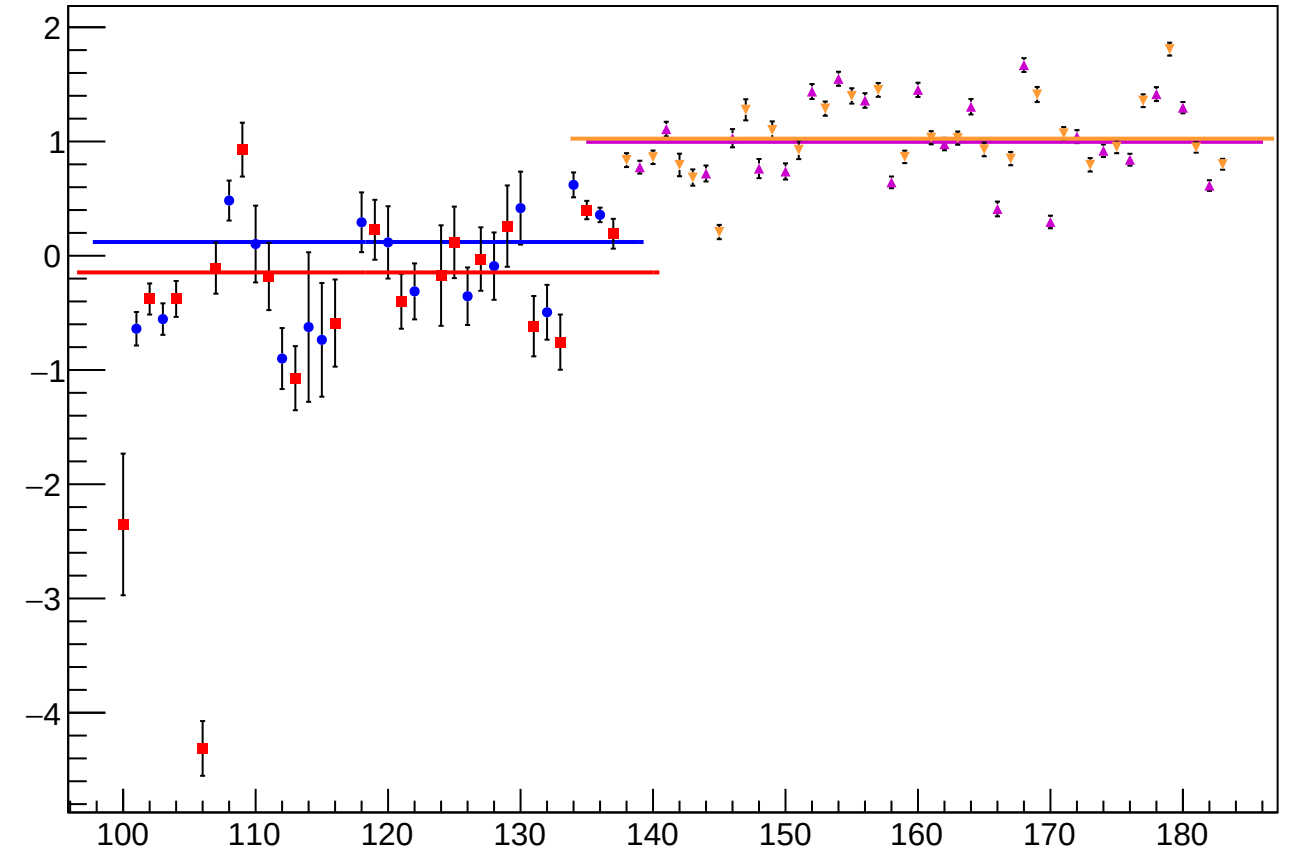
Left: -112.882+/-0.200 χ^2/NDF: 2655.3/45

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -110.959+/-0.271 χ^2/NDF:3405.0/37

Out: -111.537+/-0.263 χ^2/NDF:2435.2/42

All: -111.257+/-0.189 χ^2/NDF: 5842.5/80



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 1.025+/-0.012 χ^2/NDF:646.1/23

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 0.997+/-0.013 χ^2/NDF:863.2/21

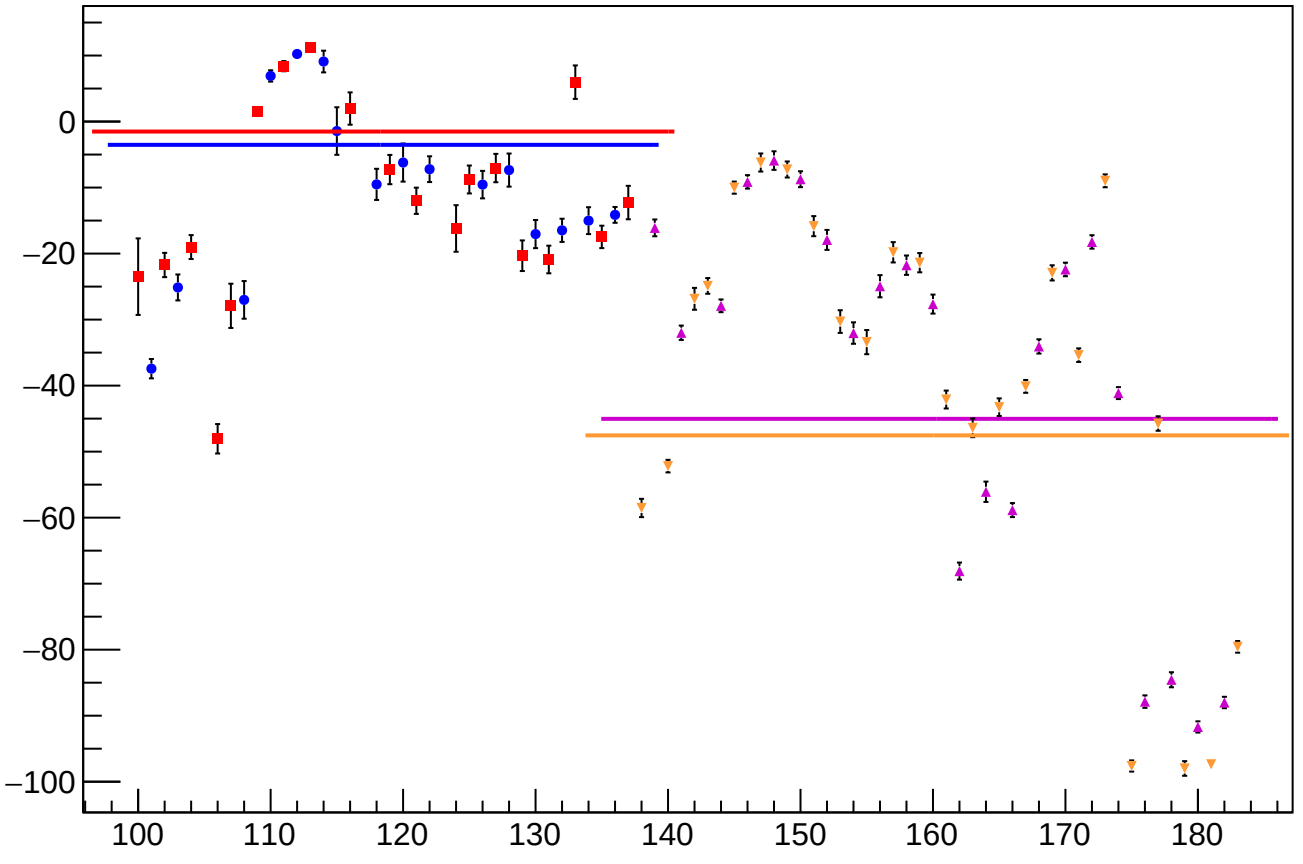
Left: 1.011+/-0.009 χ^2/NDF: 1511.8/45

Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.921+/-0.012 χ^2/NDF:1400.2/37

Out: 0.942+/-0.012 χ^2/NDF:1699.4/42

All: 0.931+/-0.009 χ^2/NDF: 3101.1/80



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -47.537+/-0.232 χ^2/NDF:19013.5/23

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: -46.328+/-0.167 χ^2/NDF: 34476.5/45

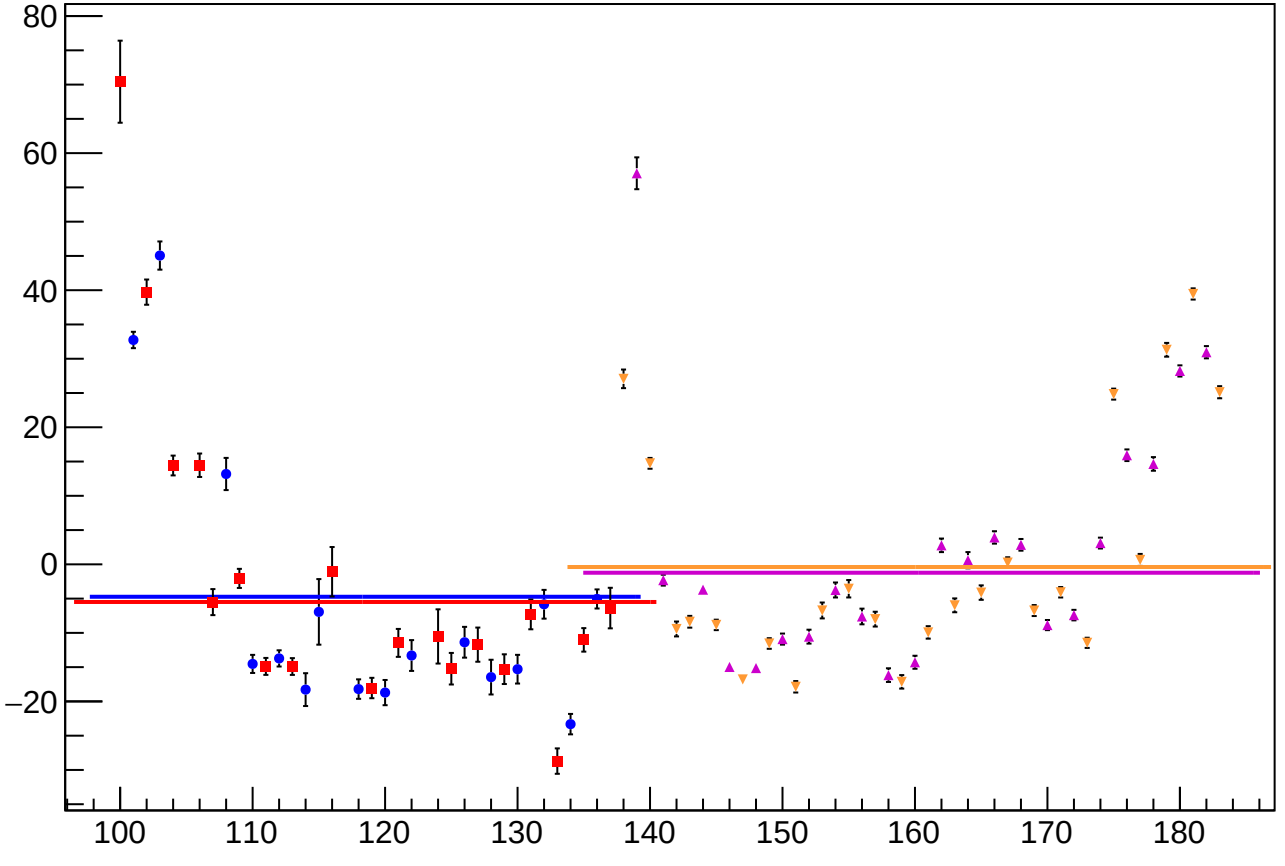
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -33.033+/-0.203 χ^2/NDF:25563.6/37

Out: -32.793+/-0.192 χ^2/NDF:33106.0/42

All: -32.906+/-0.139 χ^2/NDF: 58670.3/80

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -0.390+/-0.179 χ^2/NDF:8386.3/23

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -1.225+/-0.184 χ^2/NDF:5784.8/21

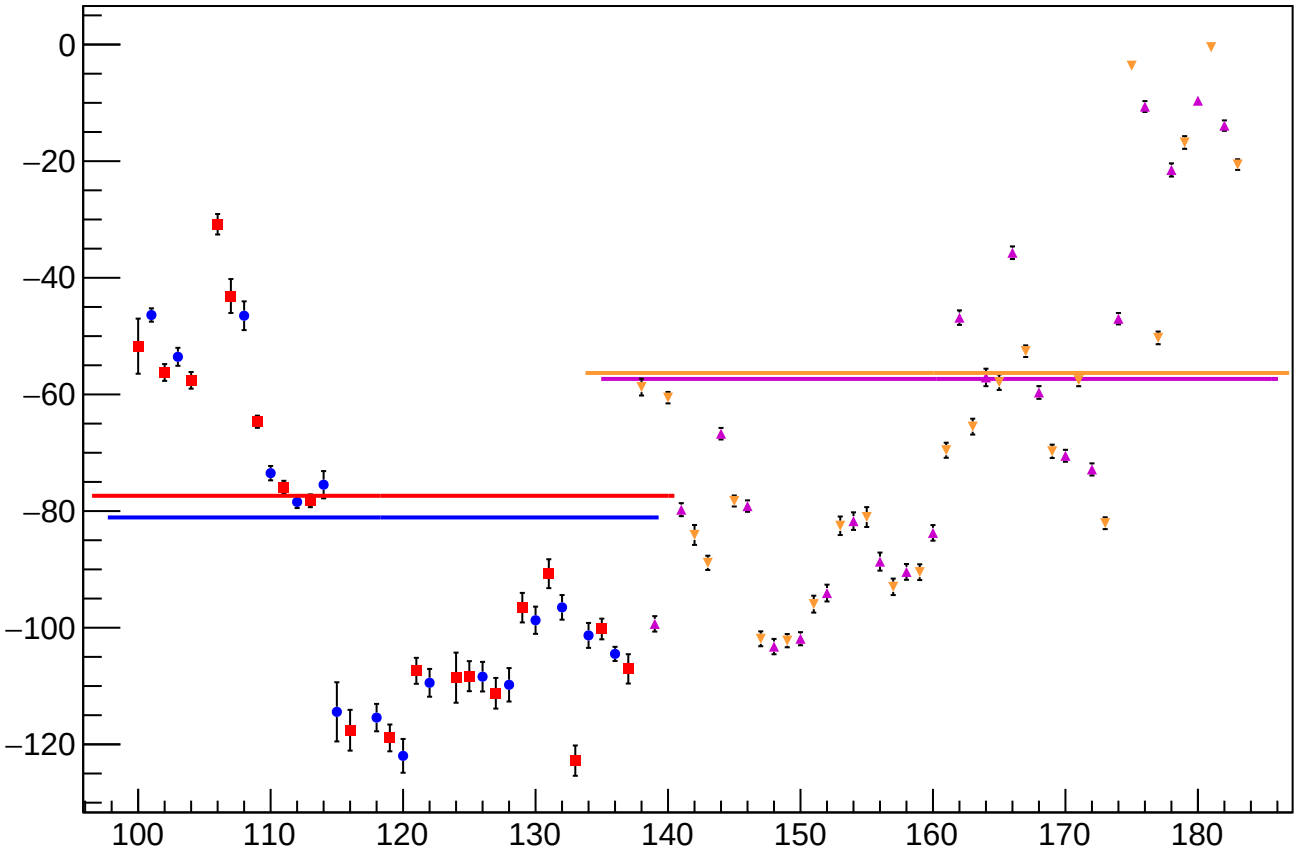
Left: -0.794+/-0.128 χ^2/NDF: 14181.7/45

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -1.767+/-0.169 χ^2/NDF:7988.8/37

Out: -1.165+/-0.165 χ^2/NDF:10018.8/42

All: -1.457+/-0.118 χ^2/NDF: 18014.0/80



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -56.318+/-0.232 χ^2/NDF:19792.7/23

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: -56.814+/-0.166 χ^2/NDF: 36915.3/45

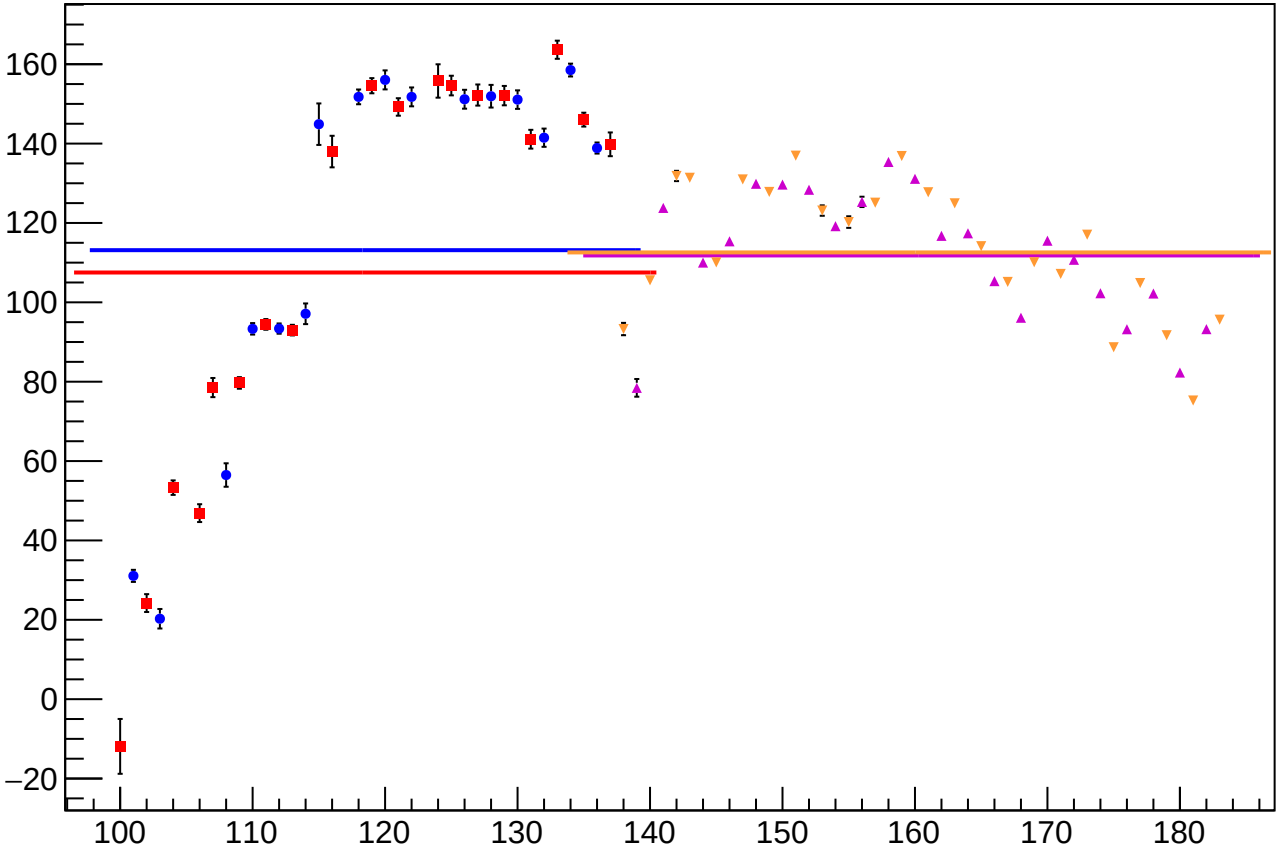
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -62.783+/-0.210 χ^2/NDF:22246.2/37

Out: -61.299+/-0.203 χ^2/NDF:24871.5/42

All: -62.015+/-0.146 χ^2/NDF: 47143.5/80

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: 112.576+/-0.202 χ^2/NDF:6704.8/23

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 111.813+/-0.208 χ^2/NDF:4884.0/21

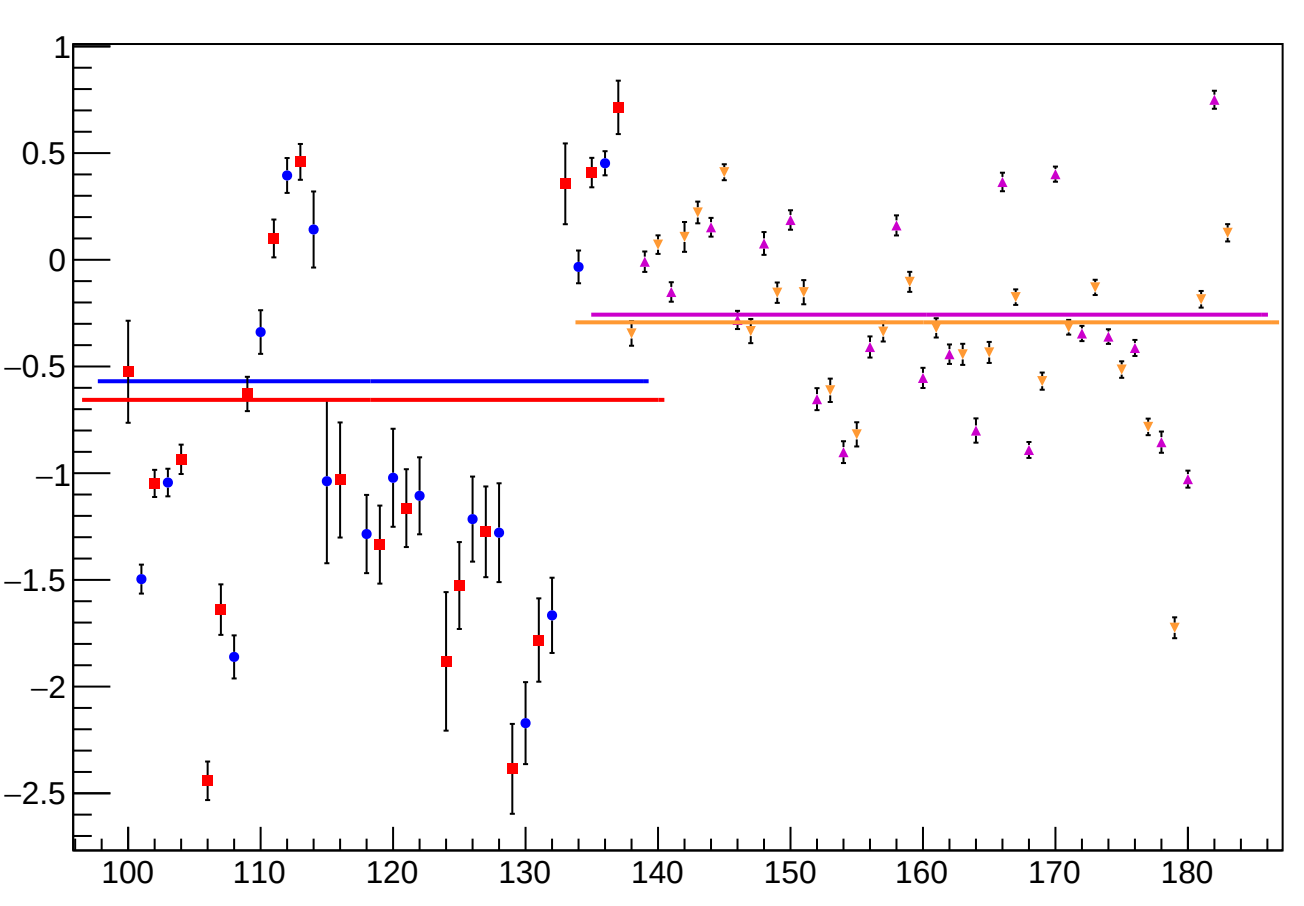
Left: 112.206+/-0.145 χ^2/NDF: 11595.7/45

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 112.016+/-0.191 χ^2/NDF:13094.3/37

Out: 111.815+/-0.186 χ^2/NDF:14343.5/42

All: 111.913+/-0.133 χ^2/NDF: 27438.4/80



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.293+/-0.009 χ^2/NDF:1970.4/23

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.257+/-0.009 χ^2/NDF:2663.7/21

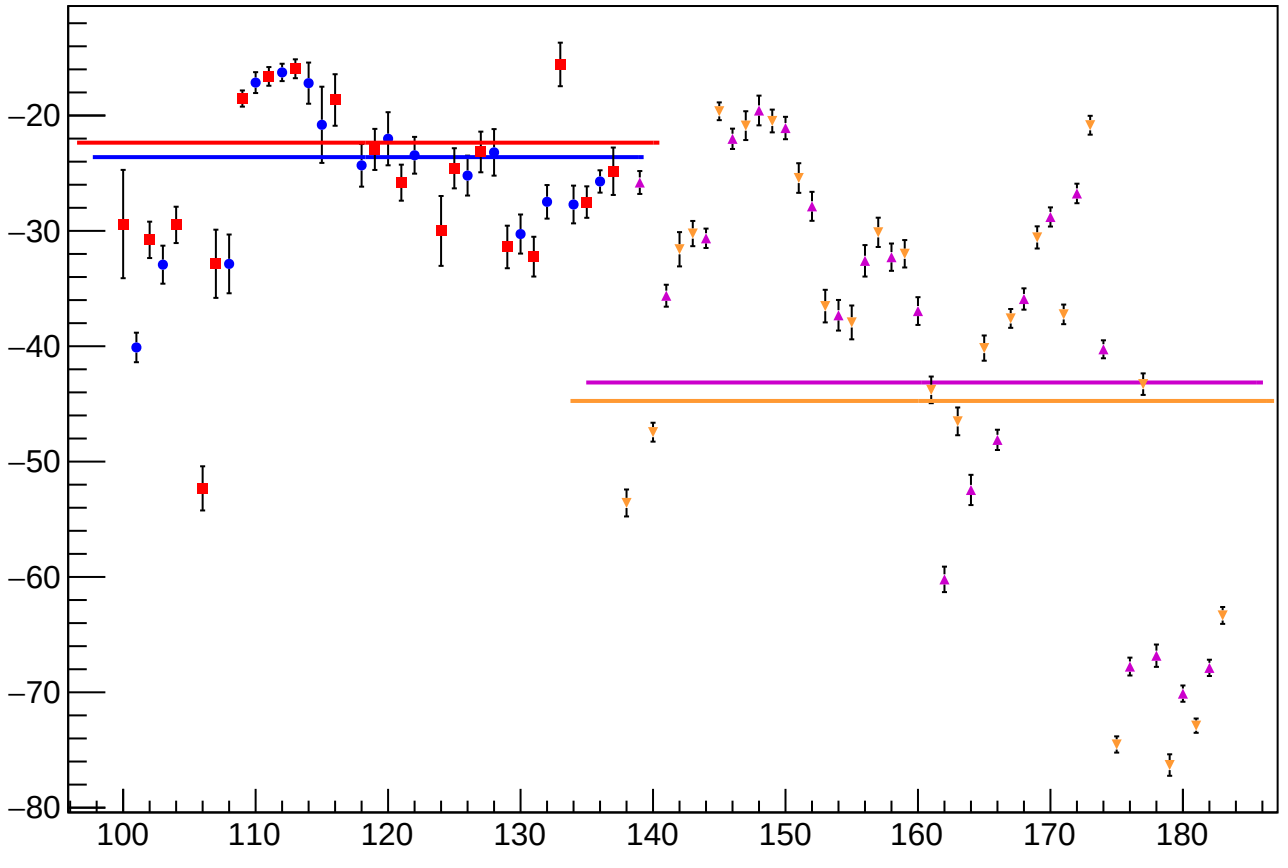
Left: -0.275+/-0.006 χ^2/NDF: 4641.8/45

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.293+/-0.009 χ^2/NDF:3890.7/37

Out: -0.335+/-0.009 χ^2/NDF:3469.4/42

All: -0.314+/-0.006 χ^2/NDF: 7372.1/80



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -44.743+/-0.195 χ^2/NDF:9782.0/23

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -43.143+/-0.201 χ^2/NDF:7721.6/21

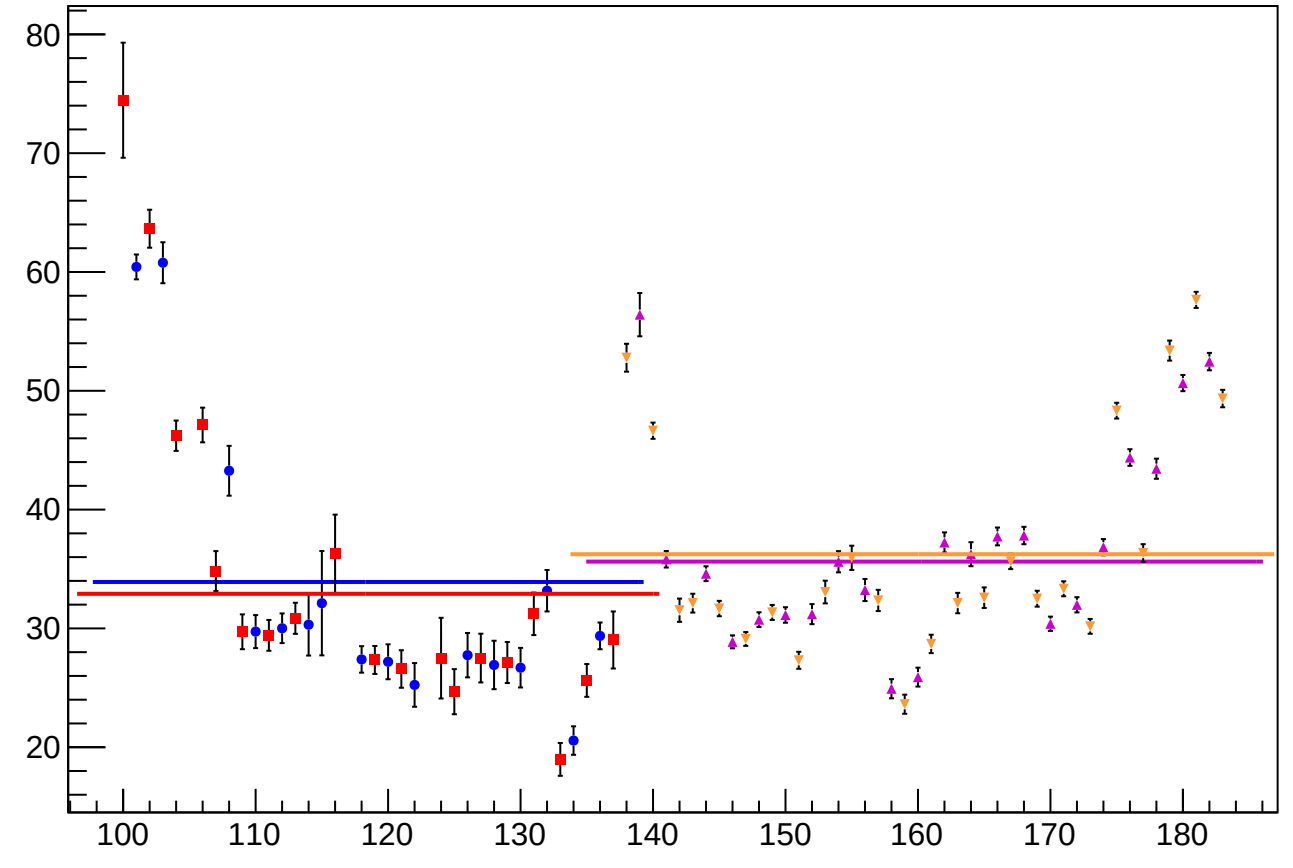
Left: -43.967+/-0.140 χ^2/NDF: 17536.2/45

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -38.262+/-0.174 χ^2/NDF:10488.0/37

Out: -38.728+/-0.167 χ^2/NDF:13874.7/42

All: -38.505+/-0.120 χ^2/NDF: 24366.4/80



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 36.246+/-0.151 χ^2/NDF:3519.3/23

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 35.623+/-0.156 χ^2/NDF:2149.6/21

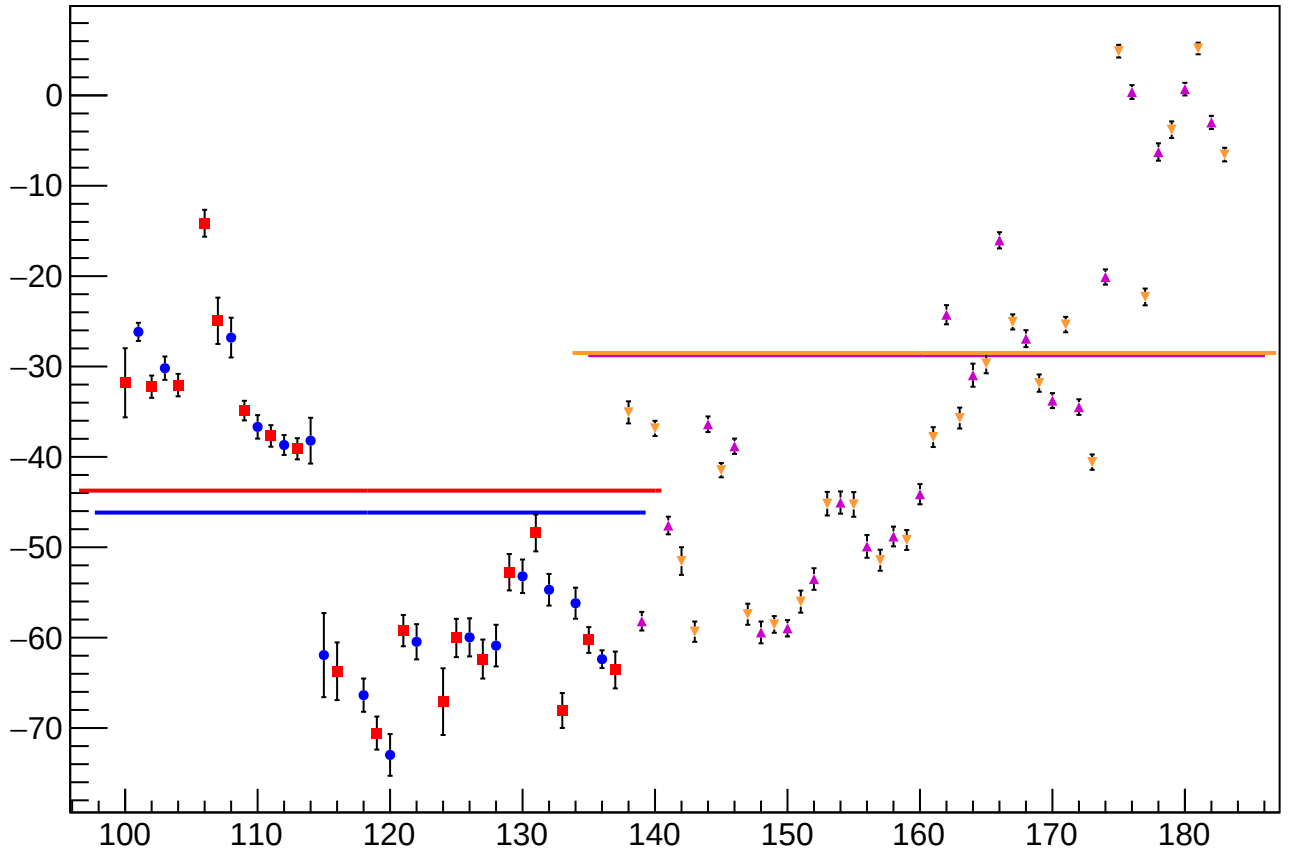
Left: 35.944+/-0.109 χ^2/NDF: 5677.1/45

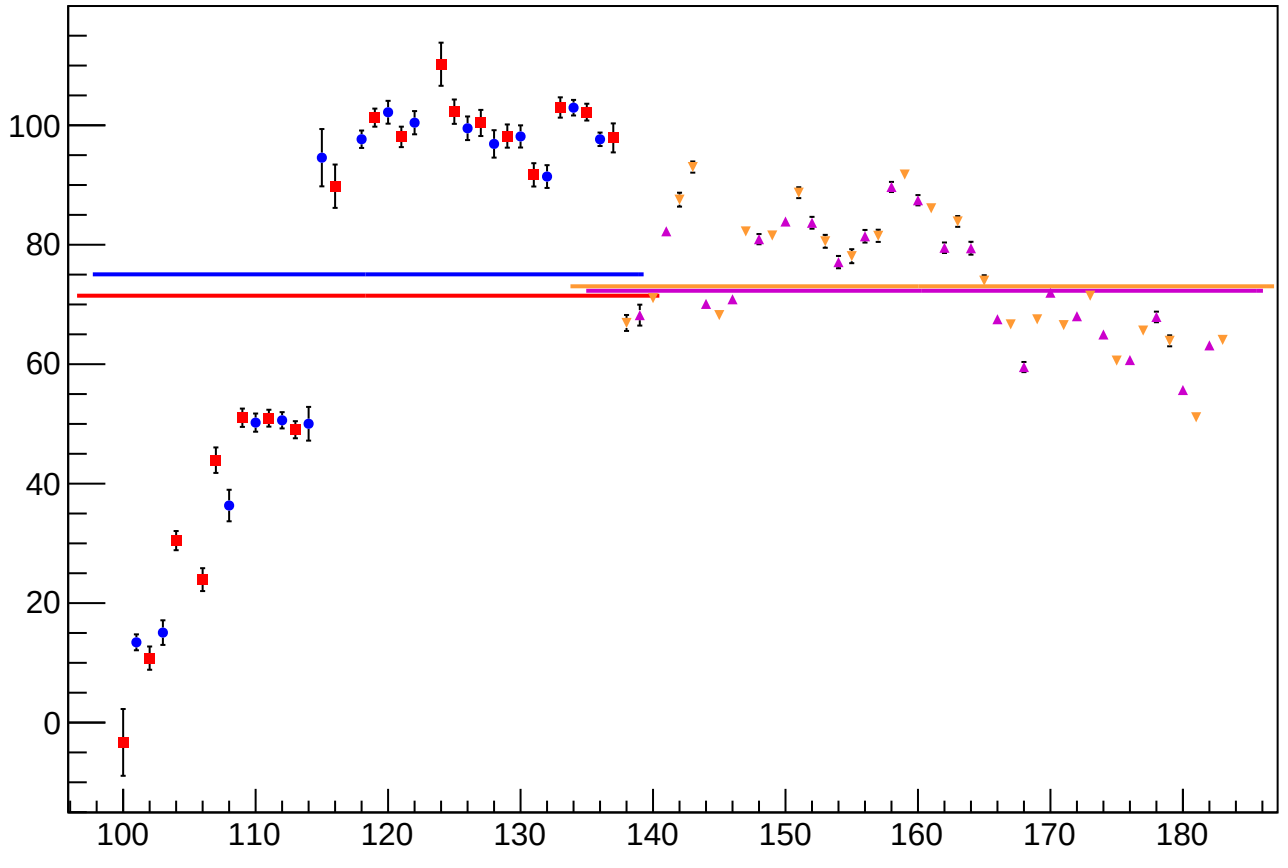
Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 35.370+/-0.144 χ^2/NDF:3351.8/37

Out: 35.774+/-0.140 χ^2/NDF:4463.0/42

All: 35.578+/-0.100 χ^2/NDF: 7818.8/80


reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
180
Right In: -46.160+/-0.390 χ²/NDF: 1489.6/15
Left Out: -28.502+/-0.195 χ²/NDF:11586.2/23
Right Out: -43.730+/-0.378 χ²/NDF: 1663.4/18
Left In: -28.747+/-0.200 χ²/NDF:9990.7/21
Left: -28.621+/-0.139 χ²/NDF: 21577.7/45
Right: -44.909+/-0.271 χ²/NDF: 3173.0/34
In: -32.372+/-0.178 χ²/NDF:13060.3/37
Out: -31.689+/-0.173 χ²/NDF:14530.9/42
All: -32.021+/-0.124 χ²/NDF: 27598.8/80



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 73.042+/-0.170 χ^2/NDF:4049.5/23

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 72.295+/-0.175 χ^2/NDF:2912.5/21

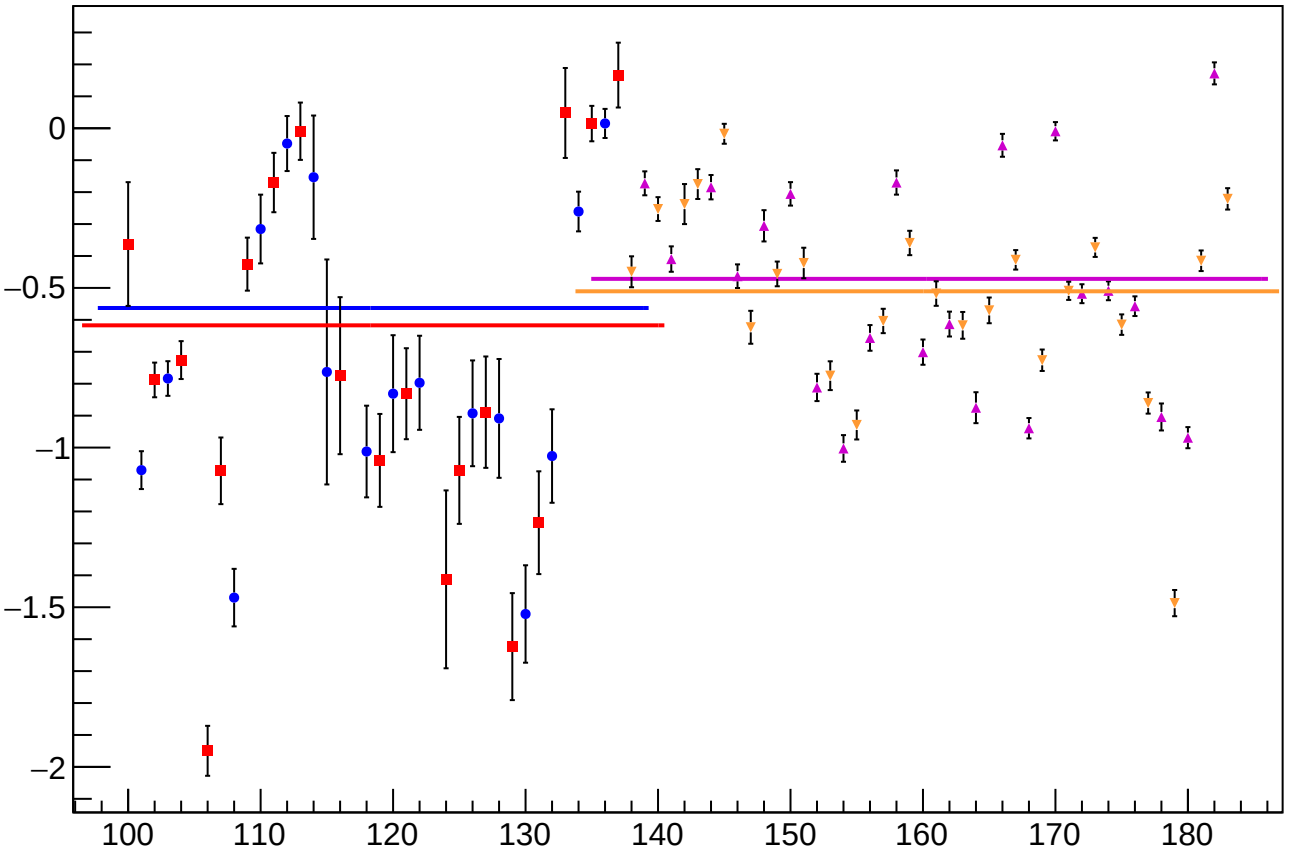
Left: 72.679+/-0.122 χ^2/NDF: 6971.3/45

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 72.689+/-0.162 χ^2/NDF:8776.1/37

Out: 72.825+/-0.158 χ^2/NDF:9689.5/42

All: 72.759+/-0.113 χ^2/NDF: 18466.0/80



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.511+/-0.008 χ^2/NDF:1373.6/23

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: -0.491+/-0.005 χ^2/NDF: 3301.0/45

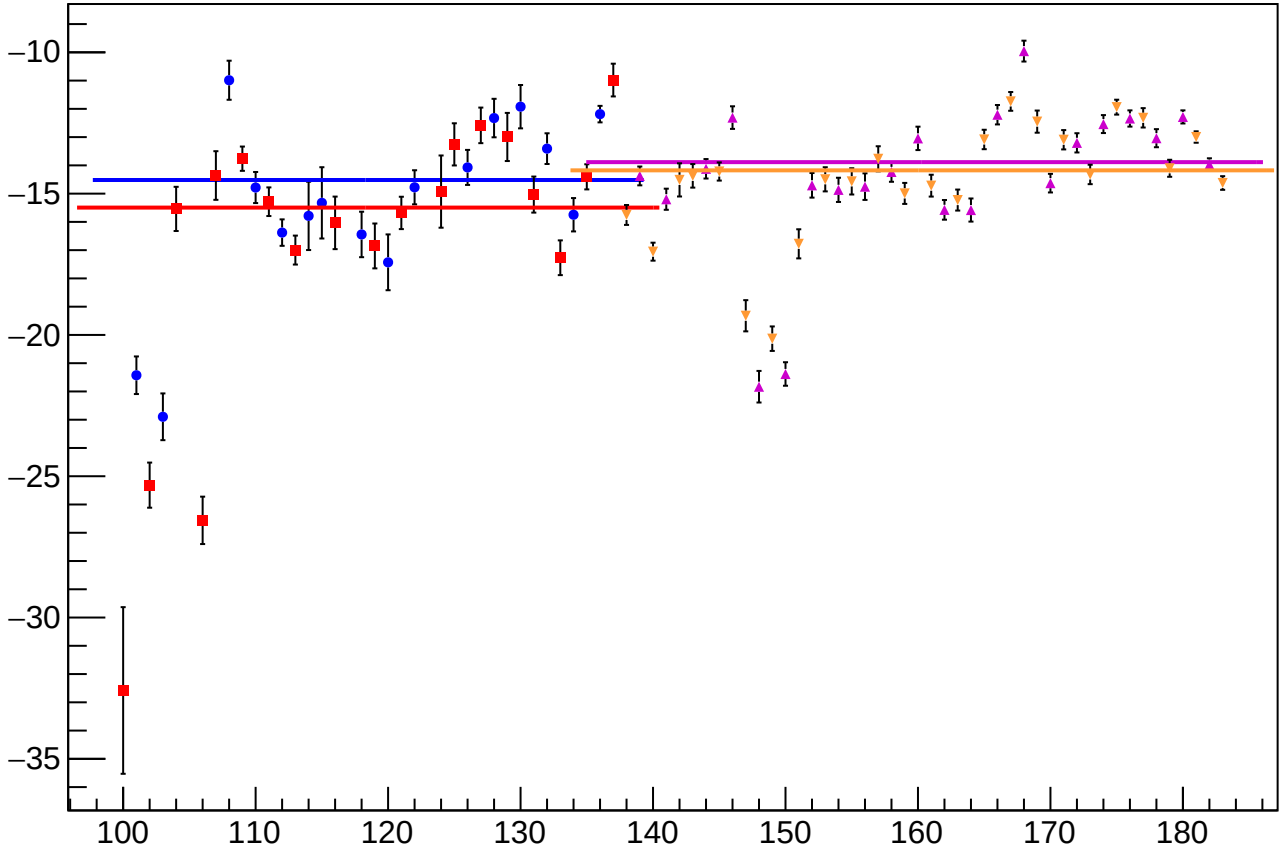
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.481+/-0.007 χ^2/NDF:2422.6/37

Out: -0.522+/-0.007 χ^2/NDF:2084.3/42

All: -0.502+/-0.005 χ^2/NDF: 4522.3/80

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.176+/-0.070 χ^2/NDF:653.4/23

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -13.886+/-0.073 χ^2/NDF:863.4/21

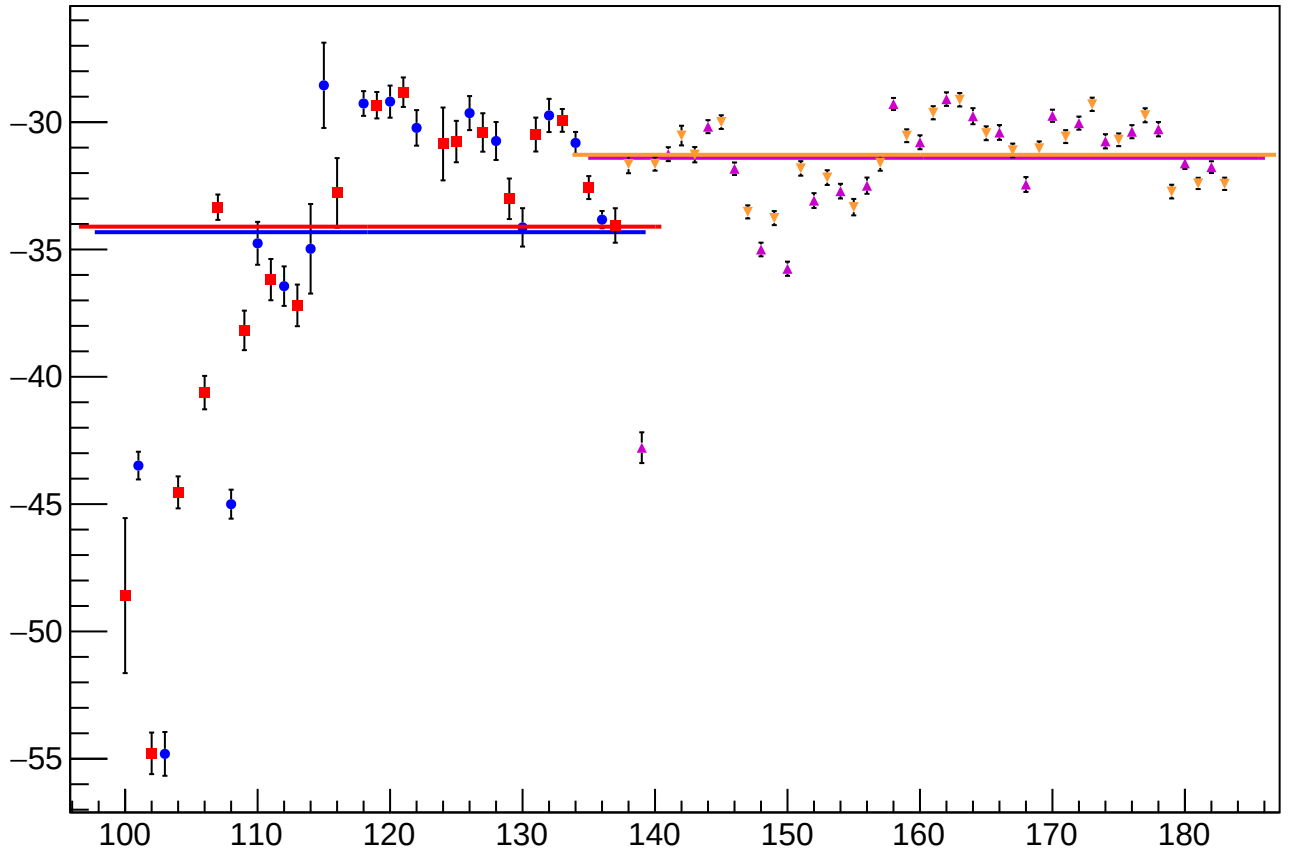
Left: -14.036+/-0.051 χ^2/NDF: 1525.0/45

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.007+/-0.066 χ^2/NDF:1241.2/37

Out: -14.414+/-0.064 χ^2/NDF:1220.5/42

All: -14.217+/-0.046 χ^2/NDF: 2481.5/80



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.281+/-0.056 χ^2/NDF:546.2/23

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: -31.338+/-0.040 χ^2/NDF: 1743.5/45

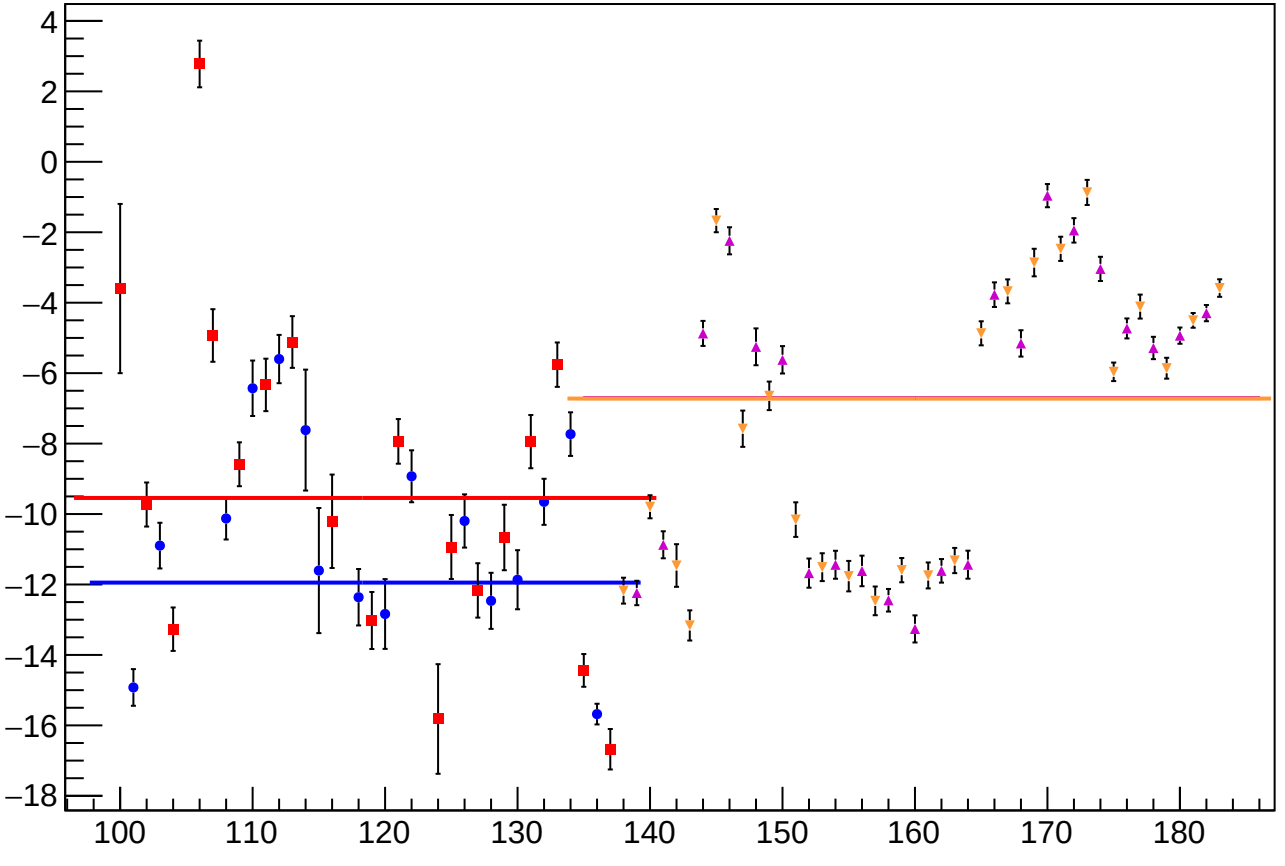
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -31.764+/-0.054 χ^2/NDF:3133.6/37

Out: -31.607+/-0.052 χ^2/NDF:2277.6/42

All: -31.683+/-0.038 χ^2/NDF: 5415.5/80

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -6.721+/-0.070 χ^2/NDF:2889.3/23

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: -6.715+/-0.050 χ^2/NDF: 5751.2/45

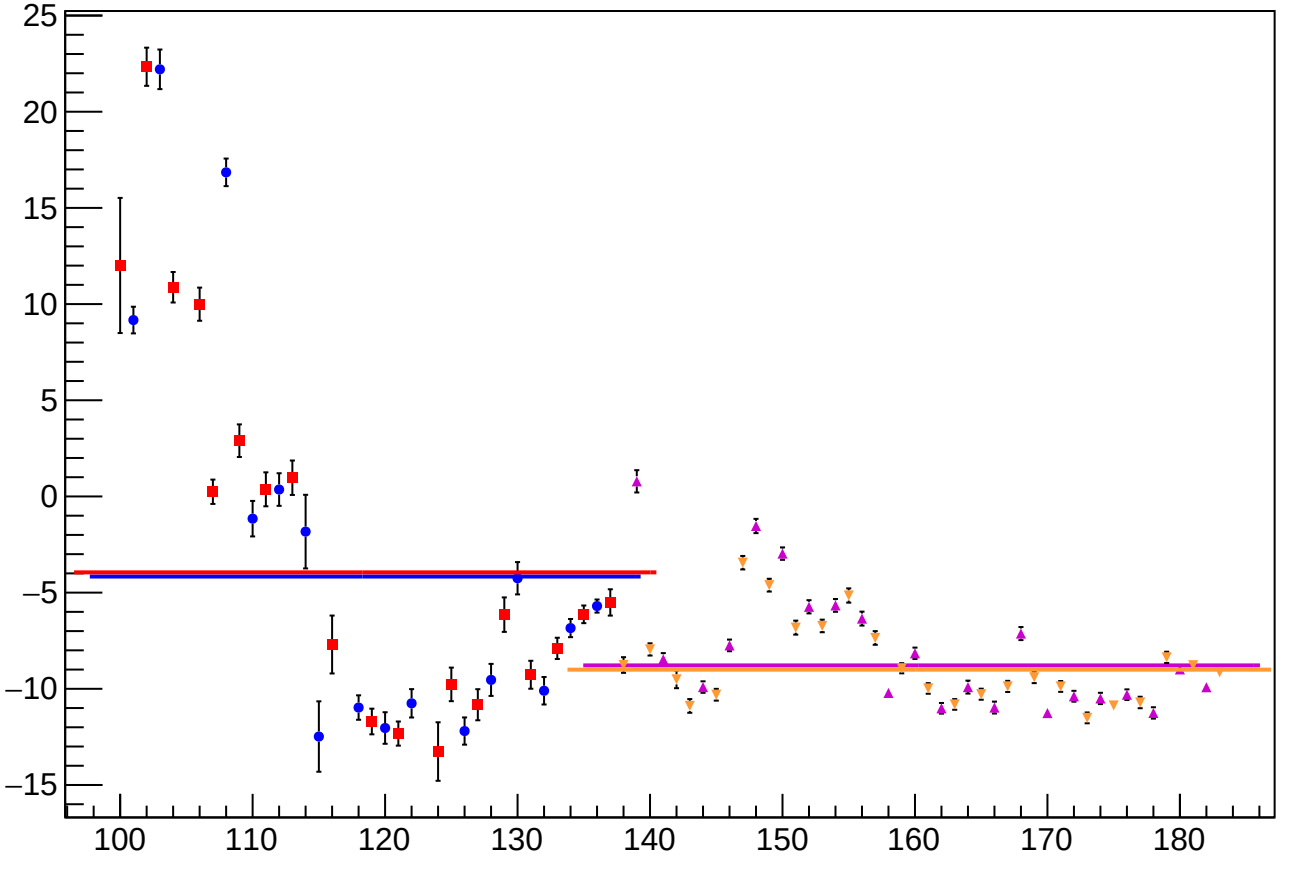
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -7.598+/-0.066 χ^2/NDF:4180.3/37

Out: -7.153+/-0.065 χ^2/NDF:3983.7/42

All: -7.371+/-0.046 χ^2/NDF: 8187.2/80

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -9.005+/-0.062 χ^2/NDF:961.7/23

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.783+/-0.064 χ^2/NDF:1685.0/21

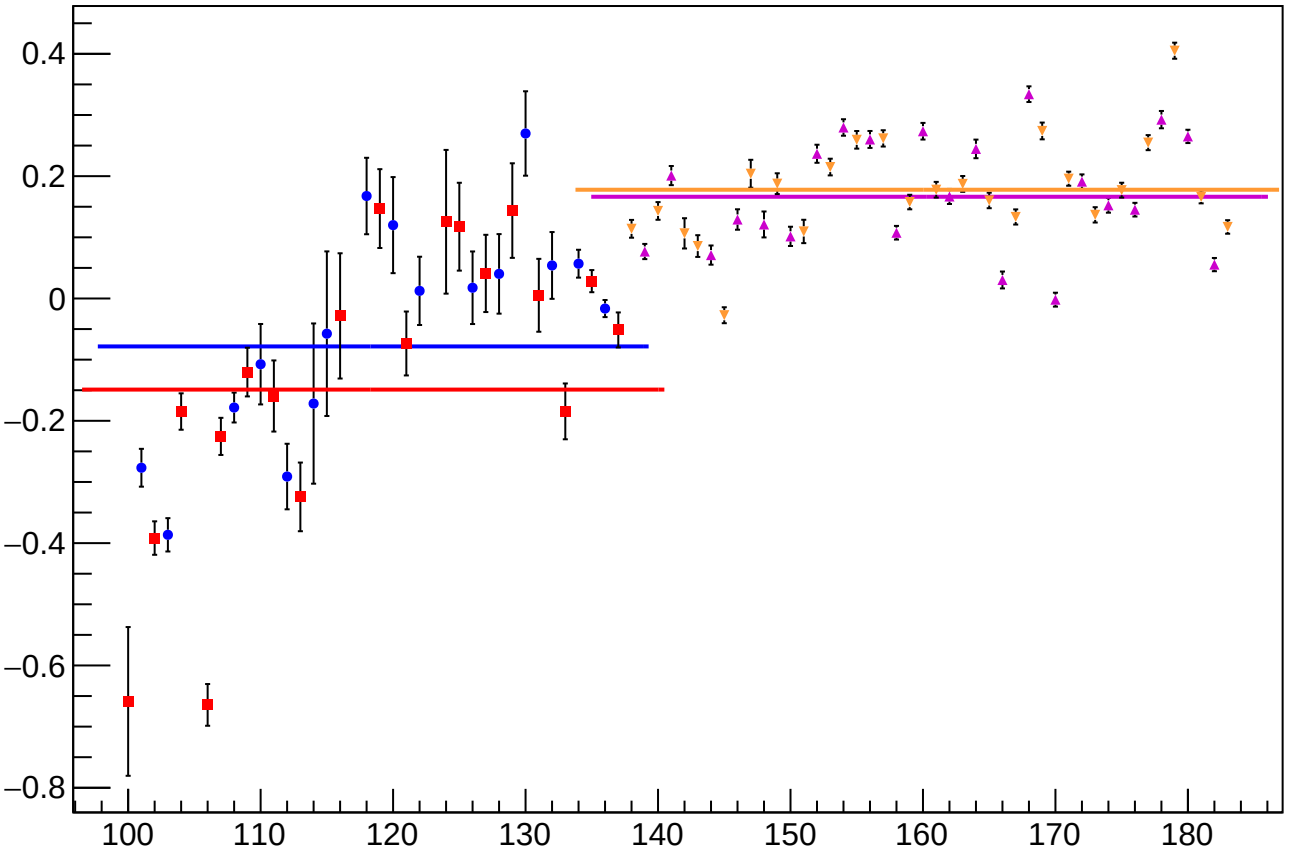
Left: -8.898+/-0.045 χ^2/NDF: 2652.8/45

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -8.219+/-0.060 χ^2/NDF:4844.0/37

Out: -8.446+/-0.059 χ^2/NDF:3806.3/42

All: -8.335+/-0.042 χ^2/NDF: 8657.6/80



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.178+/-0.003 χ^2/NDF:852.0/23

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.166+/-0.003 χ^2/NDF:1138.4/21

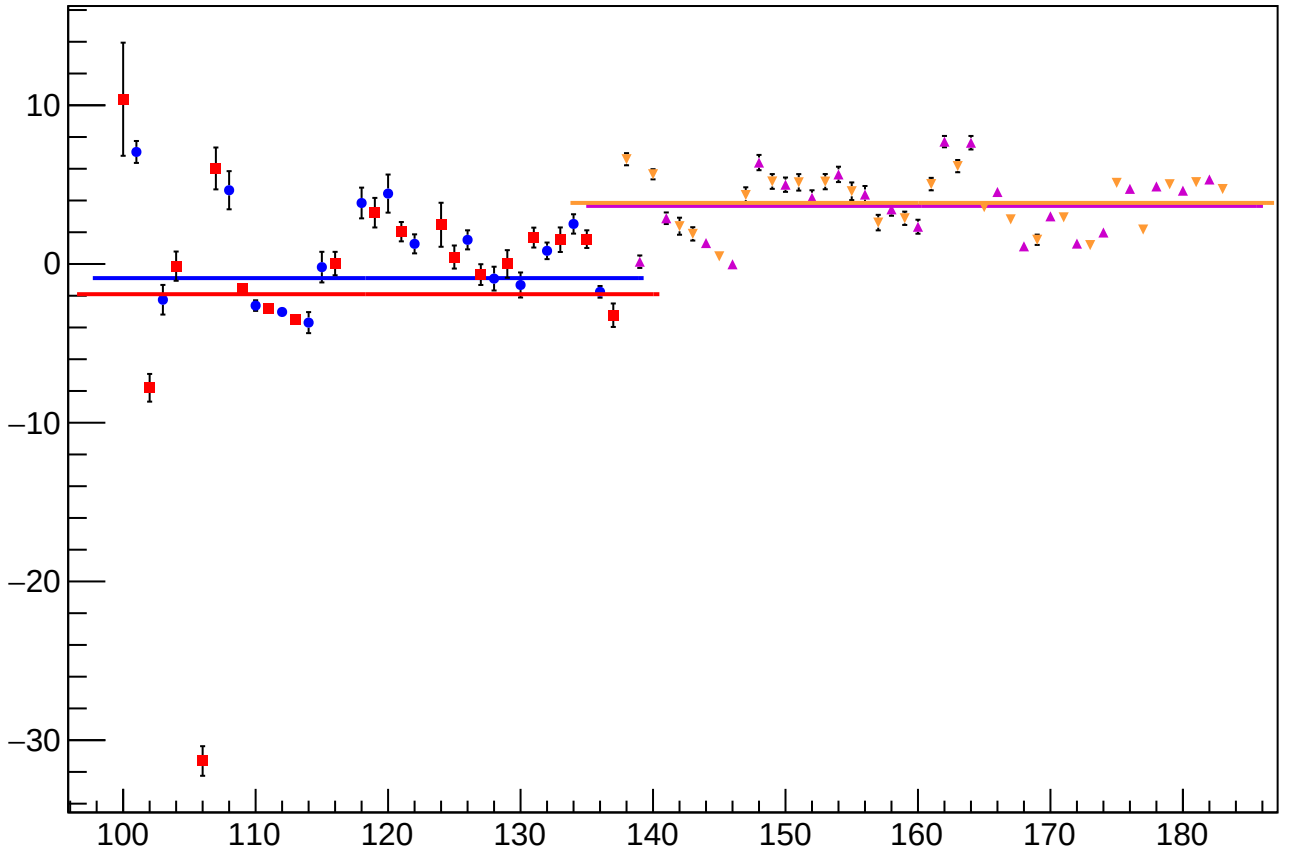
Left: 0.172+/-0.002 χ^2/NDF: 1999.0/45

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.143+/-0.003 χ^2/NDF:2193.7/37

Out: 0.150+/-0.003 χ^2/NDF:2564.1/42

All: 0.146+/-0.002 χ^2/NDF: 4761.8/80



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.848+/-0.063 χ^2/NDF:722.9/23

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.659+/-0.065 χ^2/NDF:946.9/21

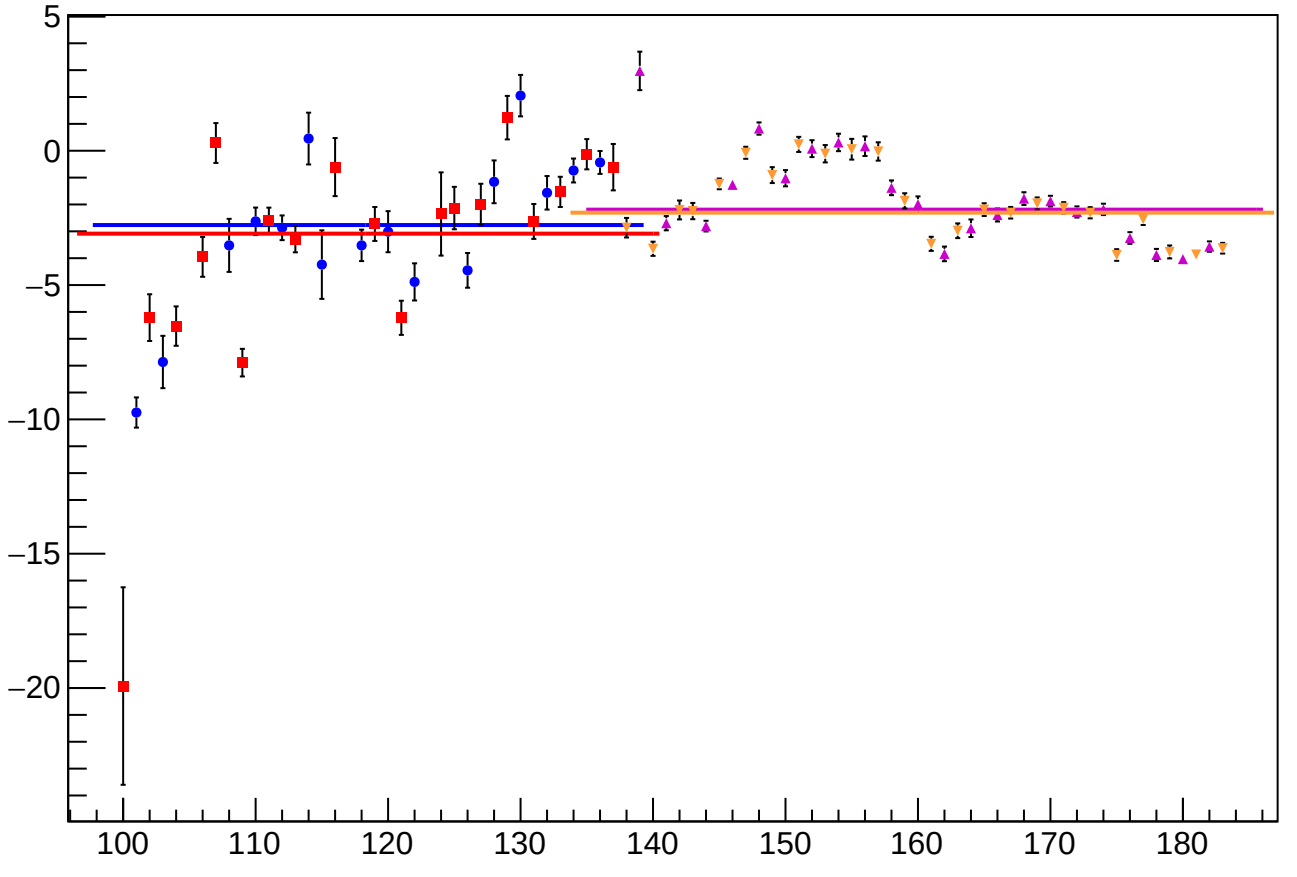
Left: 3.757+/-0.045 χ^2/NDF: 1674.2/45

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 2.823+/-0.059 χ^2/NDF:2232.1/37

Out: 2.736+/-0.056 χ^2/NDF:3673.9/42

All: 2.778+/-0.041 χ^2/NDF: 5907.1/80



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -2.304+/-0.050 χ^2/NDF:629.9/23

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: -2.250+/-0.036 χ^2/NDF: 1354.6/45

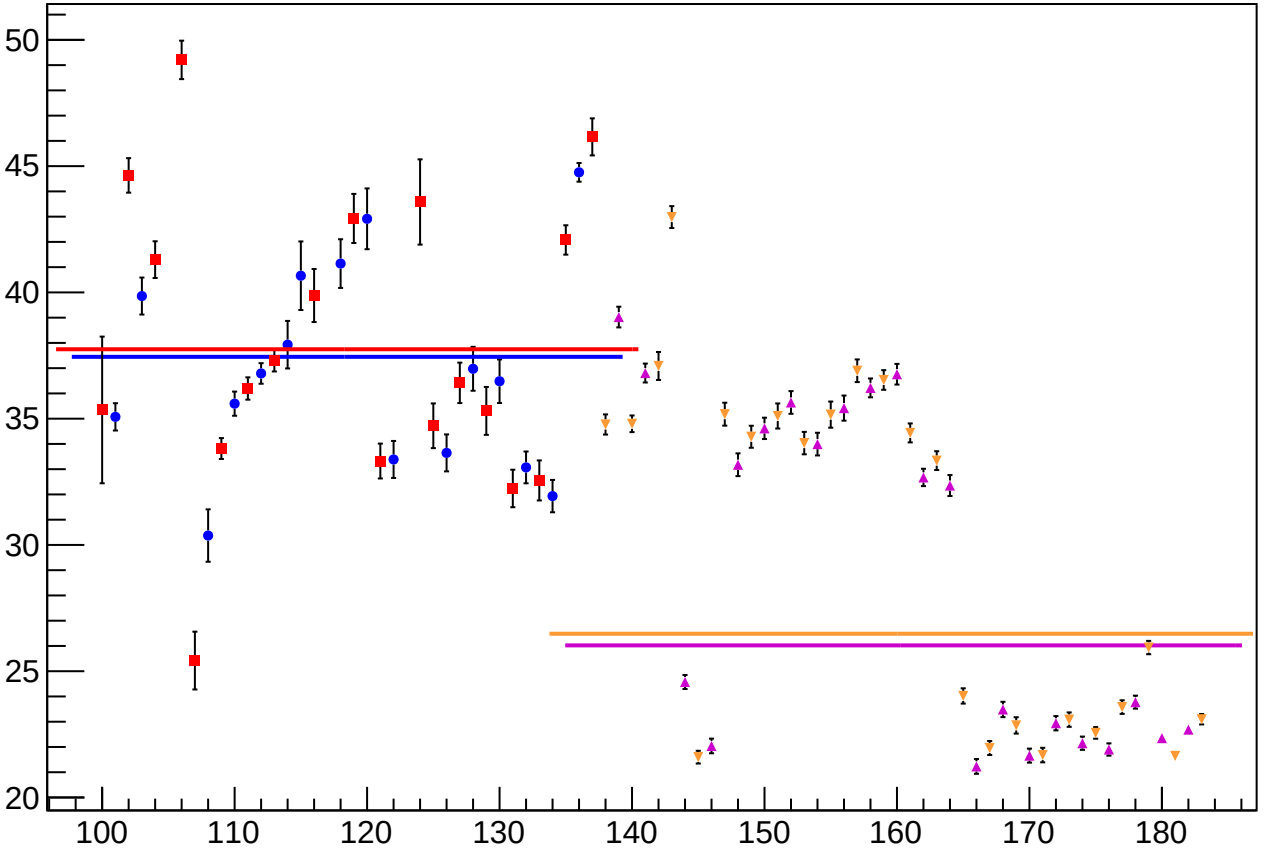
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -2.249+/-0.049 χ^2/NDF:1044.5/37

Out: -2.377+/-0.048 χ^2/NDF:924.7/42

All: -2.314+/-0.034 χ^2/NDF: 1972.7/80

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: 26.484+/-0.063 χ^2/NDF:9172.3/23

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: 26.259+/-0.045 χ^2/NDF: 17039.7/45

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 27.620+/-0.060 χ^2/NDF:12896.3/37

Out: 28.010+/-0.059 χ^2/NDF:14453.0/42

All: 27.820+/-0.042 χ^2/NDF: 27370.9/80

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: 24.683+/-0.056 χ^2/NDF:1910.4/23

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 24.300+/-0.057 χ^2/NDF:1584.8/21

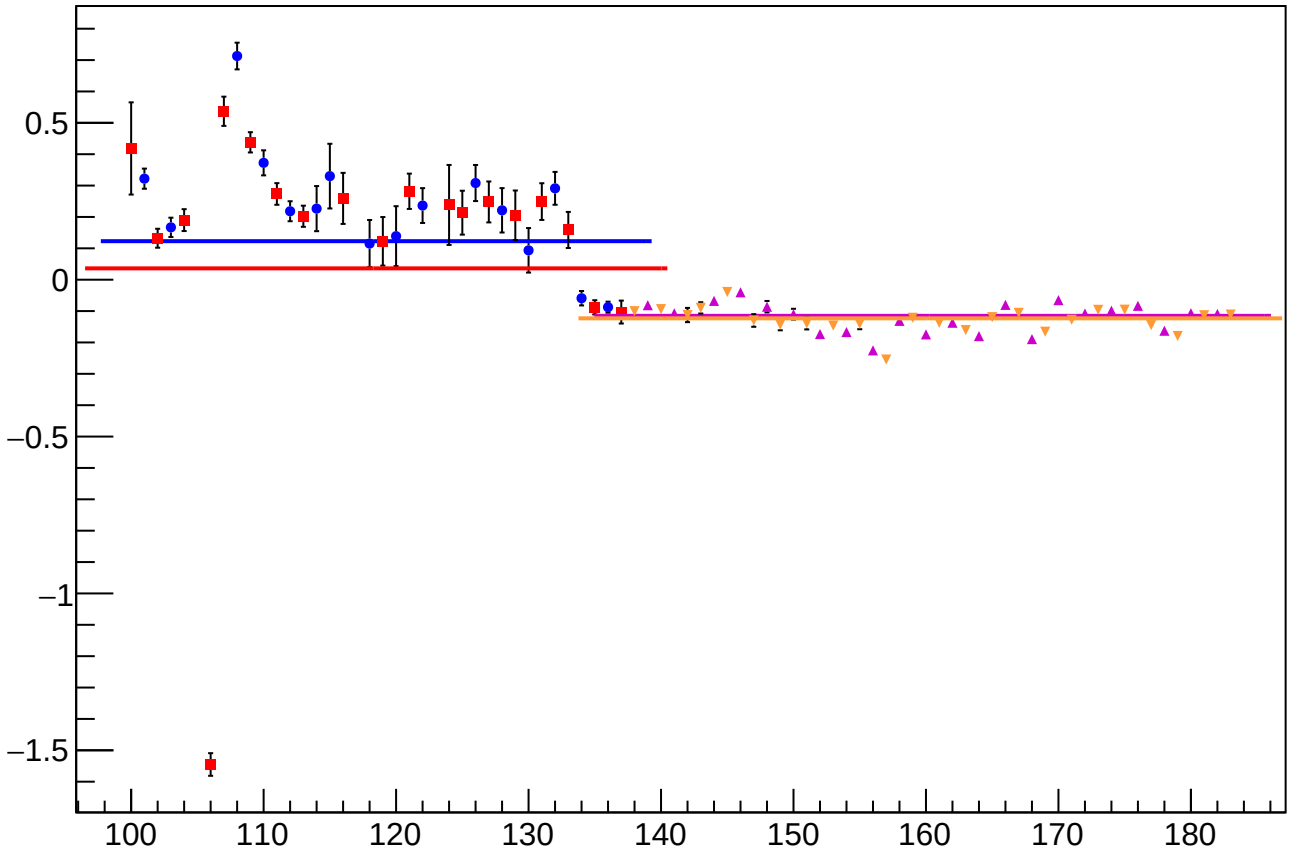
Left: 24.495+/-0.040 χ^2/NDF: 3518.2/45

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 23.376+/-0.054 χ^2/NDF:9958.9/37

Out: 23.525+/-0.053 χ^2/NDF:12725.6/42

All: 23.452+/-0.038 χ^2/NDF: 22688.3/80



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.123+/-0.003 χ^2/NDF:236.8/23

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.115+/-0.003 χ^2/NDF:290.5/21

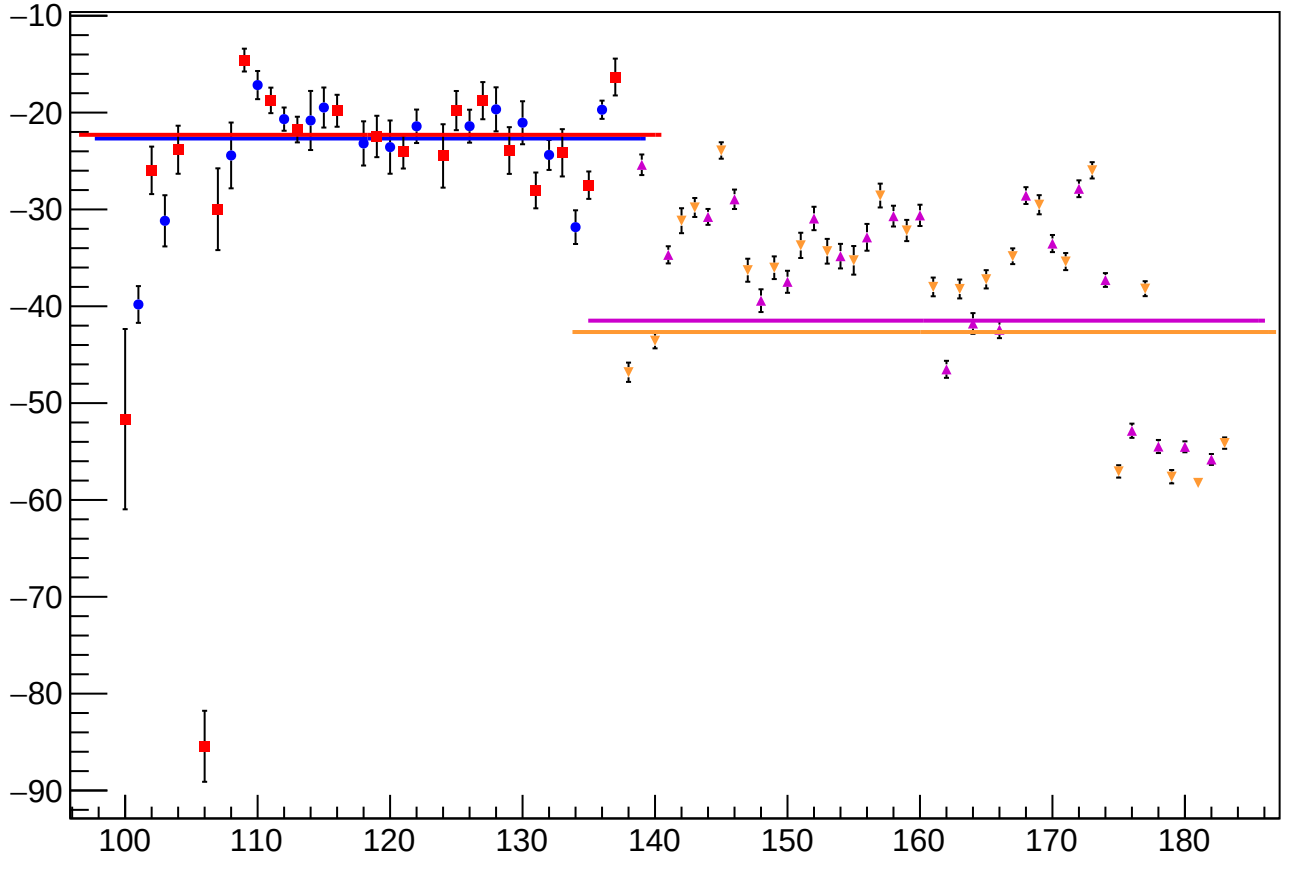
Left: -0.119+/-0.002 χ^2/NDF: 532.3/45

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.099+/-0.002 χ^2/NDF:1406.3/37

Out: -0.113+/-0.002 χ^2/NDF:2900.6/42

All: -0.106+/-0.002 χ^2/NDF: 4324.4/80



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -42.658+/-0.177 χ^2/NDF:4343.2/23

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -41.485+/-0.184 χ^2/NDF:3381.6/21

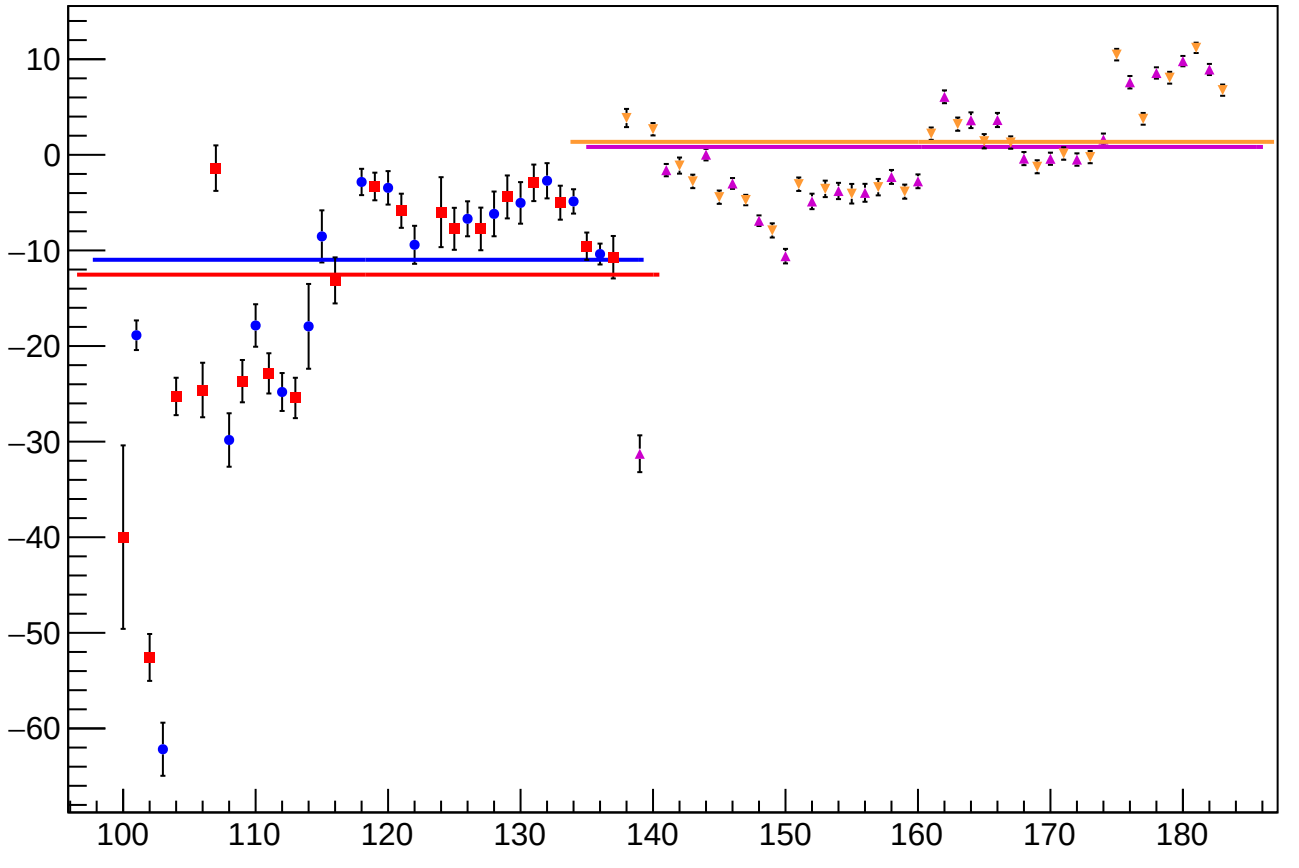
Left: -42.096+/-0.128 χ^2/NDF: 7745.8/45

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -38.613+/-0.170 χ^2/NDF:5123.7/37

Out: -39.767+/-0.164 χ^2/NDF:6627.5/42

All: -39.210+/-0.118 χ^2/NDF: 11775.1/80



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: 1.358+/-0.139 χ^2/NDF:1393.0/23

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: 0.823+/-0.144 χ^2/NDF:1753.3/21

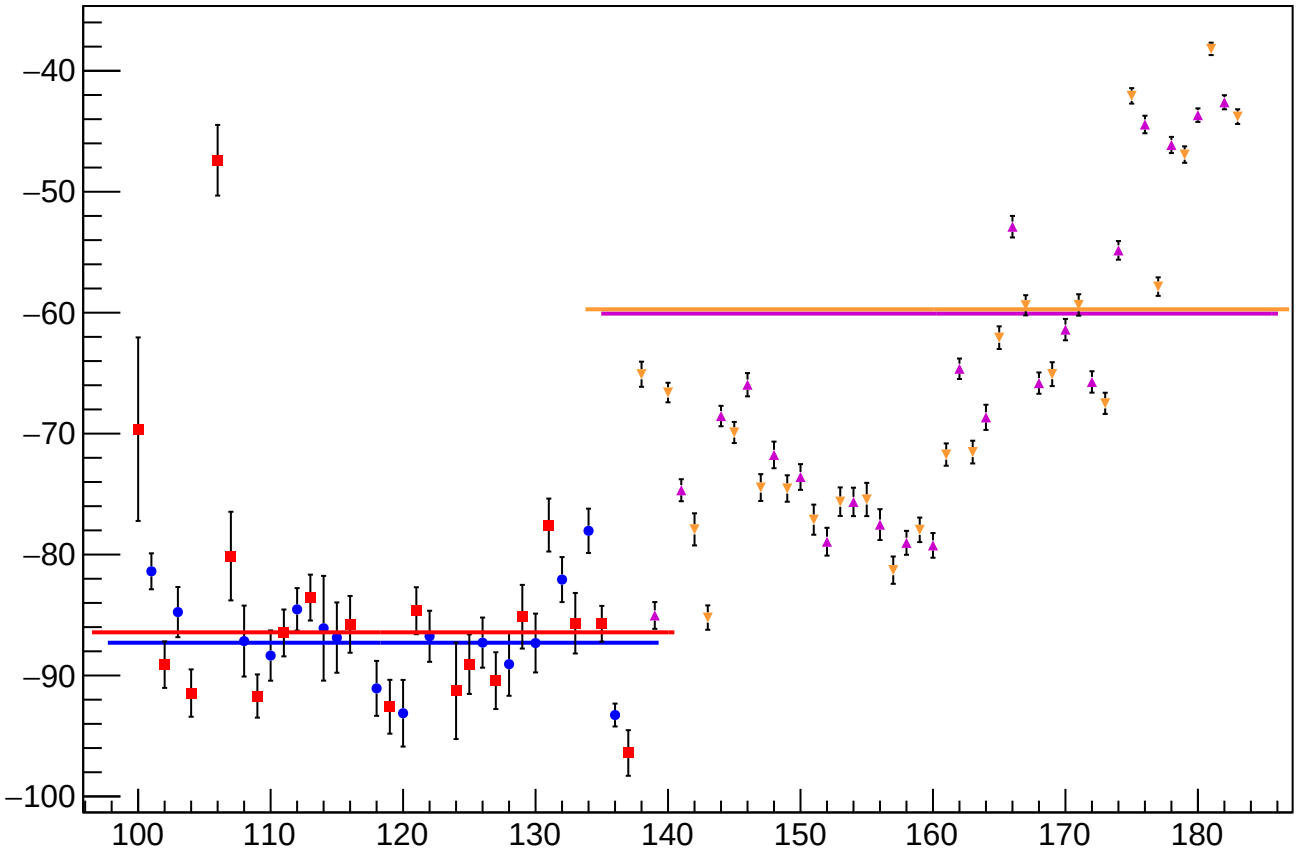
Left: 1.100+/-0.100 χ^2/NDF: 3153.4/45

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -0.264+/-0.138 χ^2/NDF:2955.9/37

Out: 0.282+/-0.134 χ^2/NDF:2734.4/42

All: 0.017+/-0.096 χ^2/NDF: 5698.4/80



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -59.719+/-0.177 χ^2/NDF:6631.6/23

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: -59.891+/-0.127 χ^2/NDF: 12111.1/45

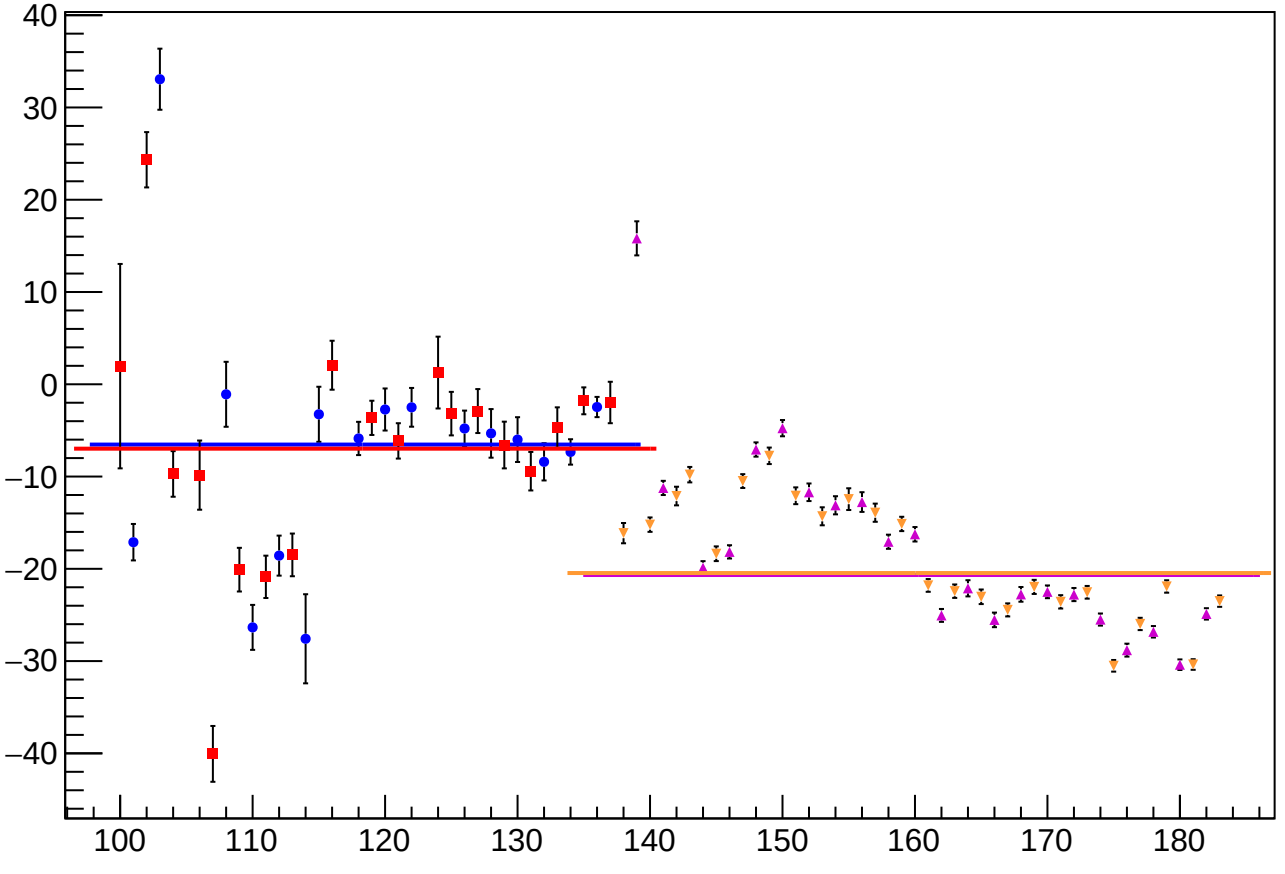
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -63.541+/-0.172 χ^2/NDF:8377.4/37

Out: -62.632+/-0.167 χ^2/NDF:9379.9/42

All: -63.075+/-0.120 χ^2/NDF: 17771.7/80

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: -20.457+/-0.156 χ^2/NDF:1671.5/23

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: -20.560+/-0.112 χ^2/NDF: 3842.9/45

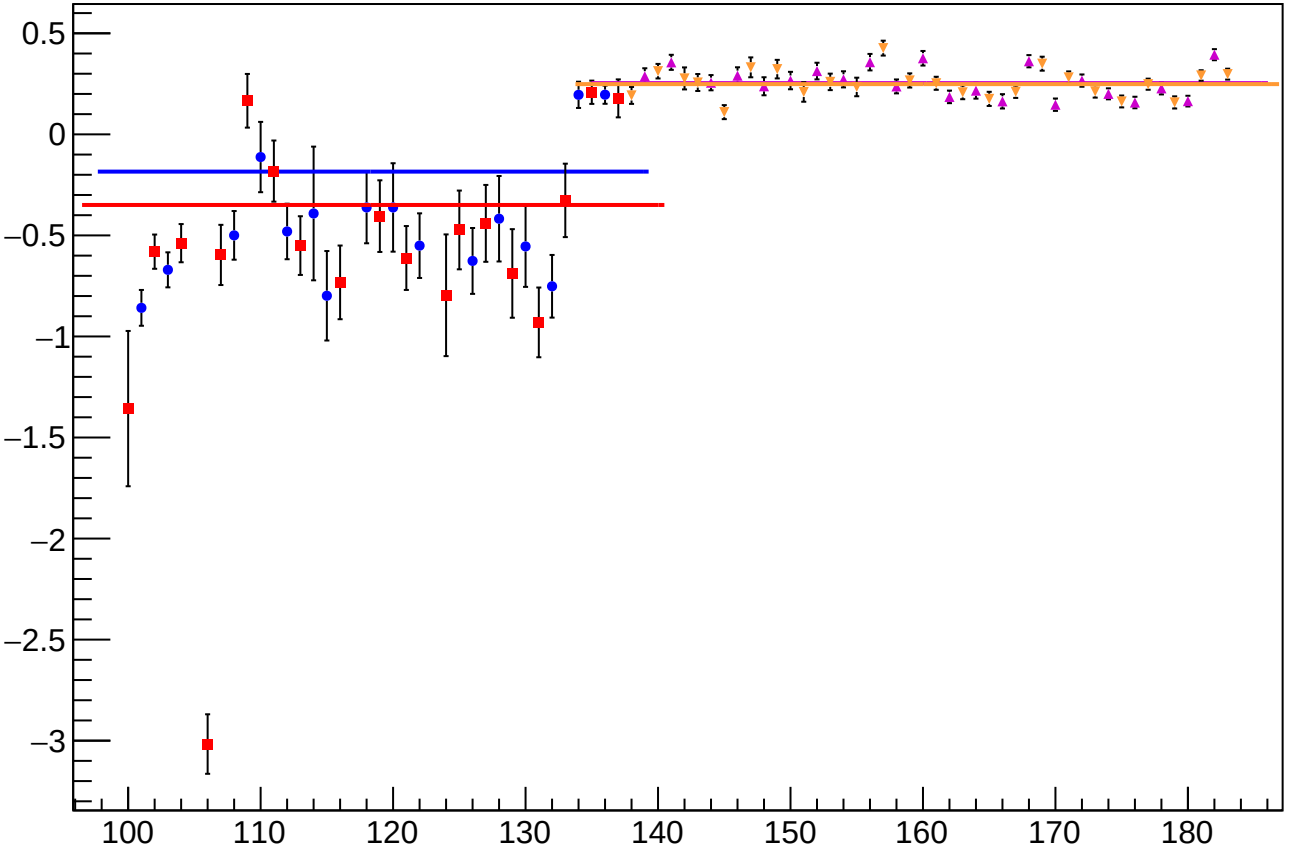
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -19.375+/-0.154 χ^2/NDF:3188.0/37

Out: -19.423+/-0.150 χ^2/NDF:2611.5/42

All: -19.400+/-0.107 χ^2/NDF: 5799.5/80

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: 0.249+/-0.007 χ^2/NDF:93.2/23

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: 0.251+/-0.005 χ^2/NDF: 214.0/45

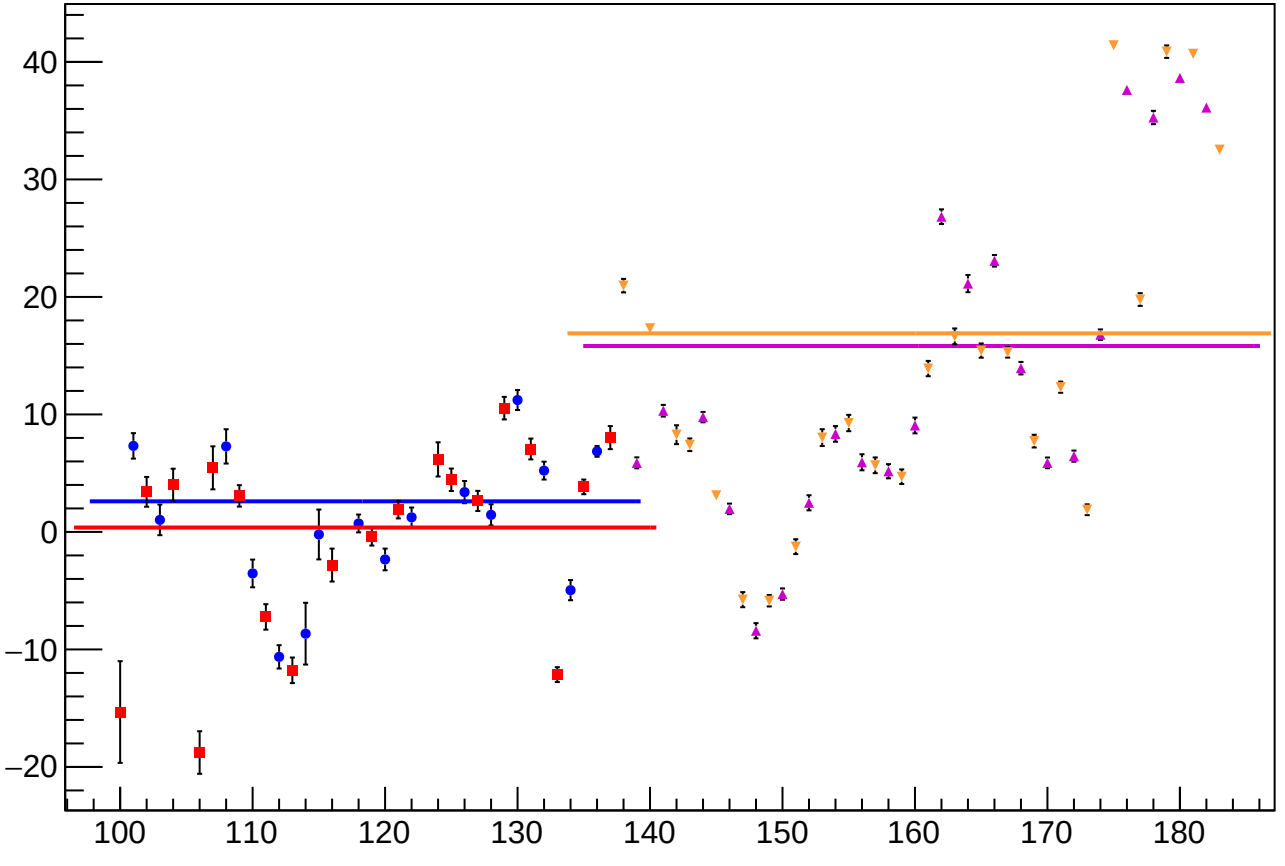
Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.224+/-0.007 χ^2/NDF:617.5/37

Out: 0.216+/-0.007 χ^2/NDF:1002.9/42

All: 0.220+/-0.005 χ^2/NDF: 1621.1/80

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 16.899+/-0.105 χ^2/NDF:20471.7/23

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 15.824+/-0.108 χ^2/NDF:17430.5/21

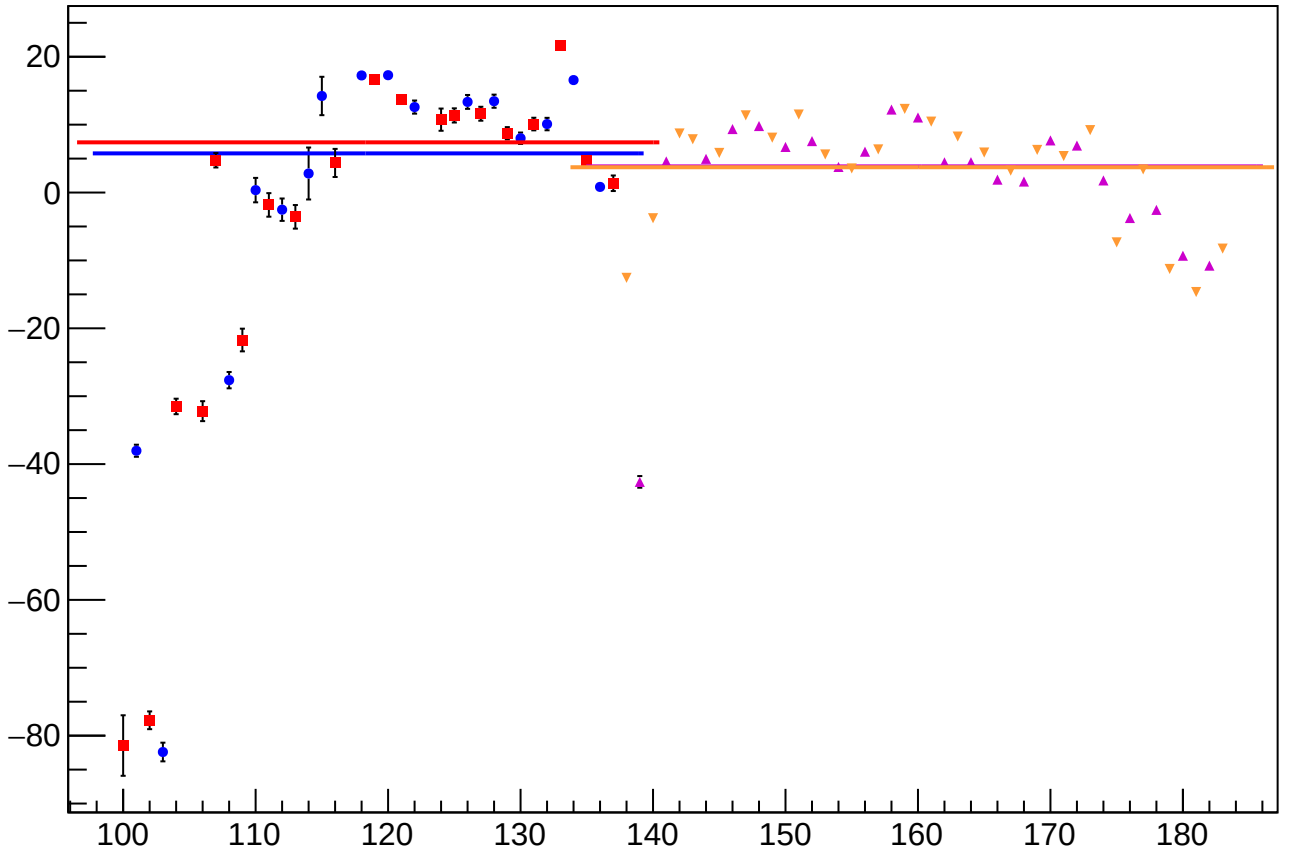
Left: 16.379+/-0.075 χ^2/NDF: 37952.8/45

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 13.315+/-0.098 χ^2/NDF:20823.2/37

Out: 13.881+/-0.095 χ^2/NDF:26019.9/42

All: 13.606+/-0.068 χ^2/NDF: 46860.3/80



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 3.726+/-0.081 χ^2/NDF:9061.5/23

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 3.856+/-0.084 χ^2/NDF:7891.4/21

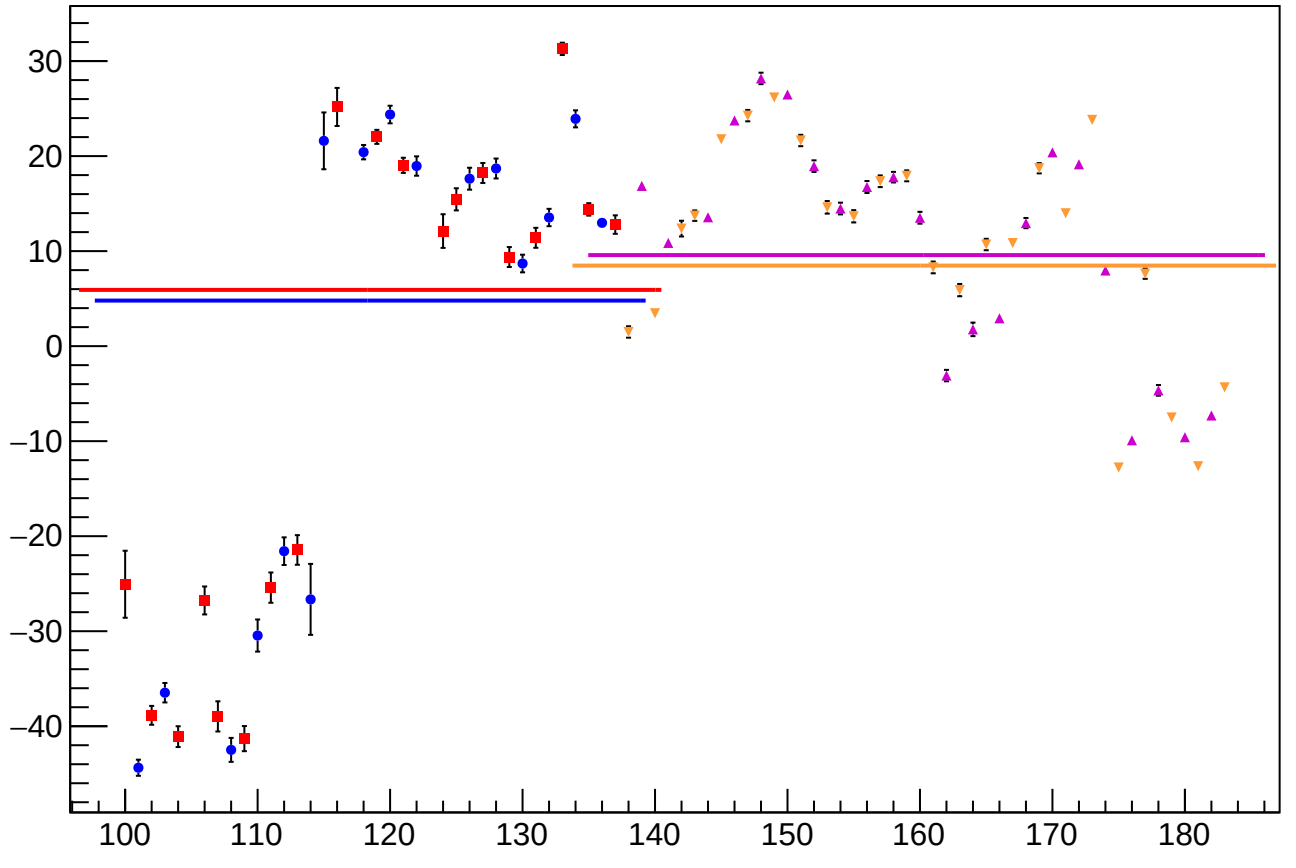
Left: 3.789+/-0.058 χ^2/NDF: 16954.2/45

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 4.118+/-0.078 χ^2/NDF:16896.9/37

Out: 4.203+/-0.075 χ^2/NDF:17720.5/42

All: 4.162+/-0.054 χ^2/NDF: 34618.1/80



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 8.477+/-0.105 χ^2/NDF:14570.4/23

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 9.582+/-0.108 χ^2/NDF:13013.0/21

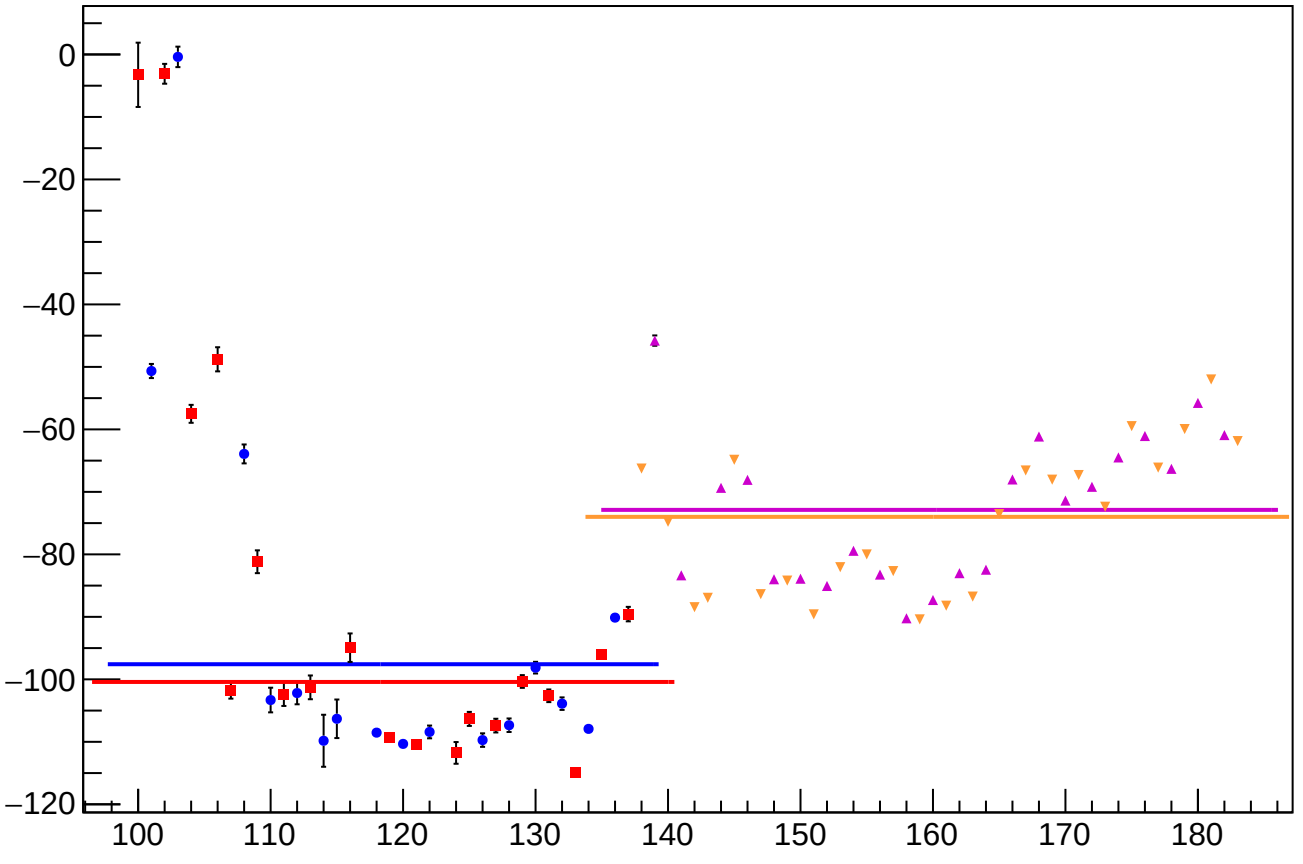
Left: 9.014+/-0.075 χ^2/NDF: 27637.6/45

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 8.766+/-0.098 χ^2/NDF:22847.3/37

Out: 8.068+/-0.096 χ^2/NDF:24725.1/42

All: 8.409+/-0.069 χ^2/NDF: 47598.3/80



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -73.997+/-0.091 χ^2/NDF:15512.8/23

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -72.881+/-0.094 χ^2/NDF:12516.8/21

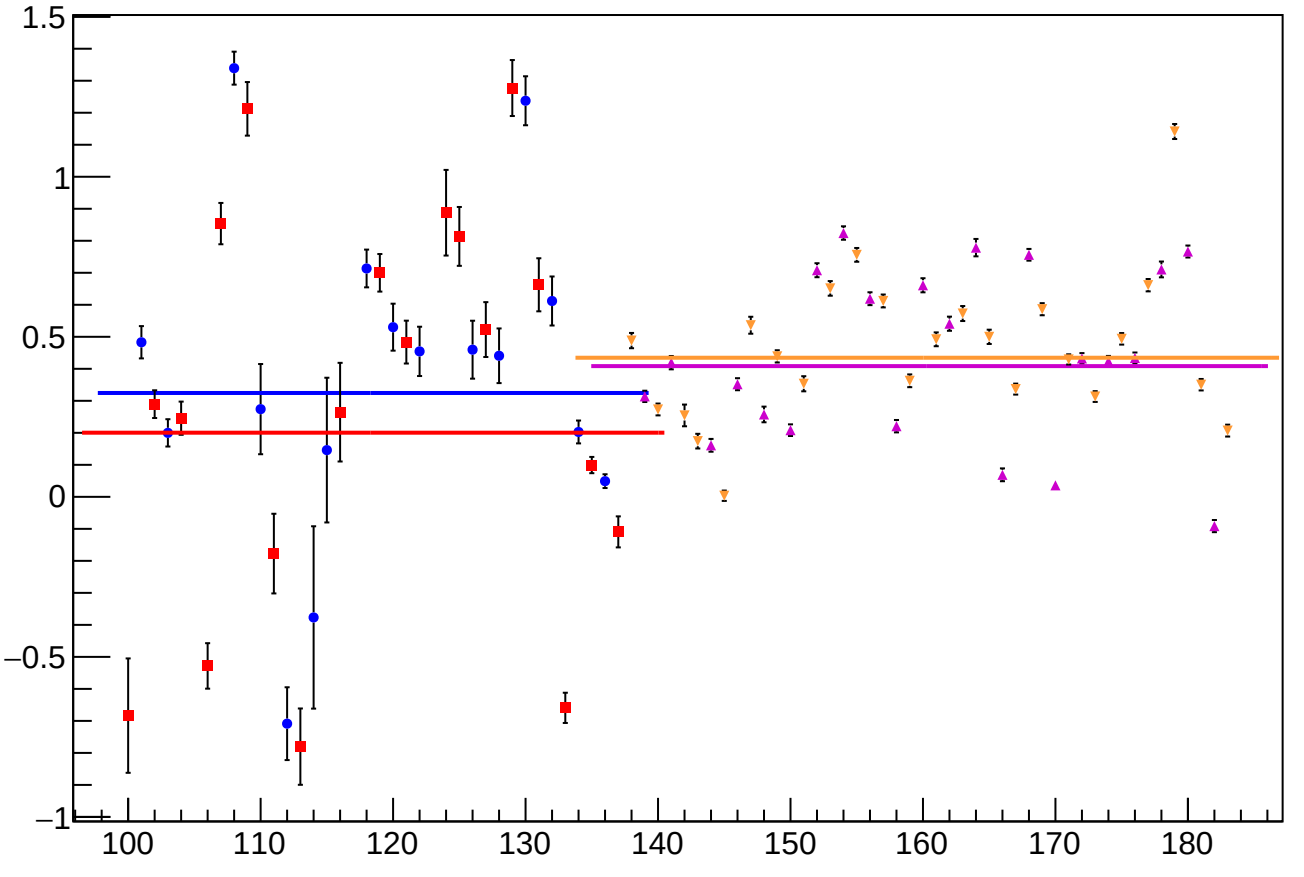
Left: -73.456+/-0.066 χ^2/NDF: 28102.1/45

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -76.132+/-0.088 χ^2/NDF:28730.6/37

Out: -77.313+/-0.085 χ^2/NDF:33140.7/42

All: -76.739+/-0.061 χ^2/NDF: 61964.4/80



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.435+/-0.004 χ^2/NDF:2806.8/23

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.408+/-0.004 χ^2/NDF:3909.1/21

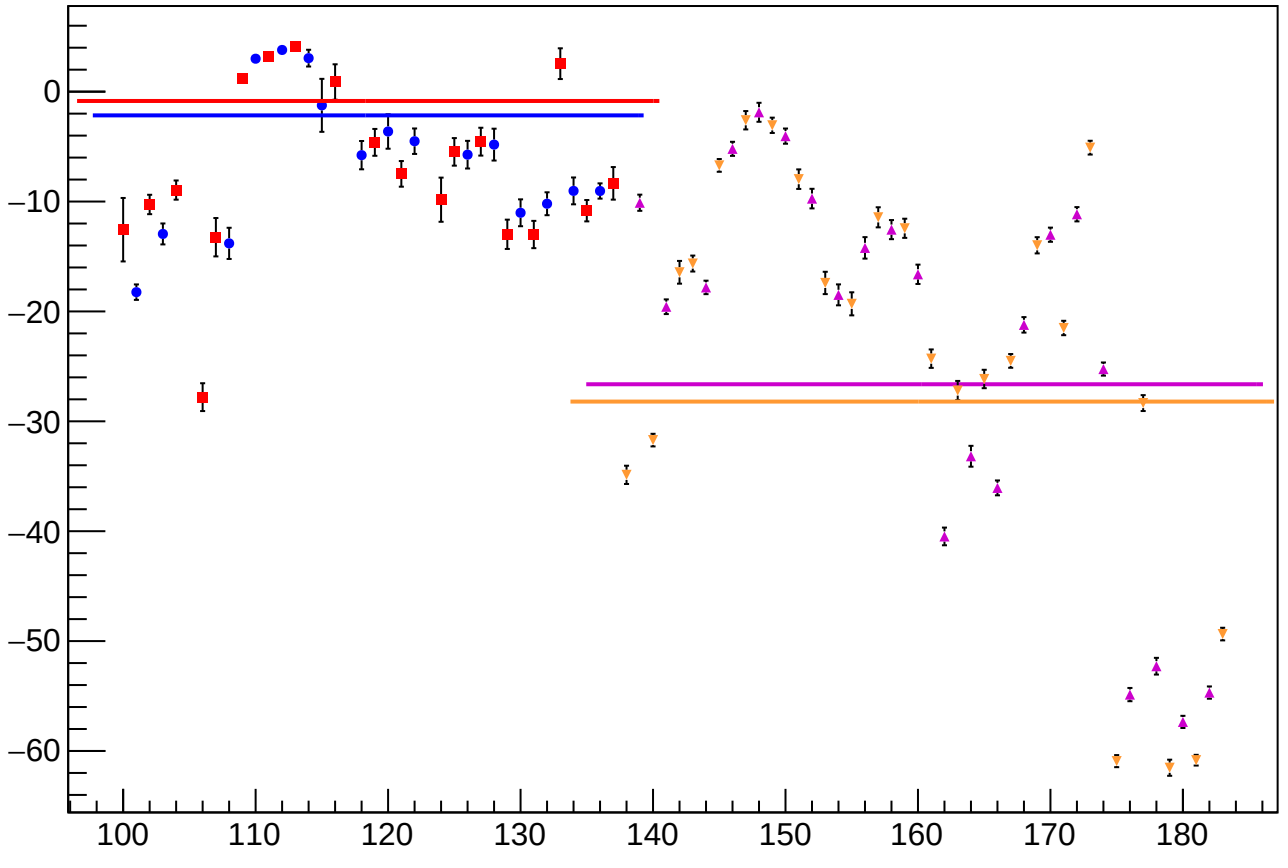
Left: 0.422+/-0.003 χ^2/NDF: 6736.0/45

Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.401+/-0.004 χ^2/NDF:4832.0/37

Out: 0.416+/-0.004 χ^2/NDF:4276.1/42

All: 0.408+/-0.003 χ^2/NDF: 9115.1/80



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -28.204+/-0.146 χ^2/NDF:18823.4/23

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: -27.443+/-0.105 χ^2/NDF: 34237.1/45

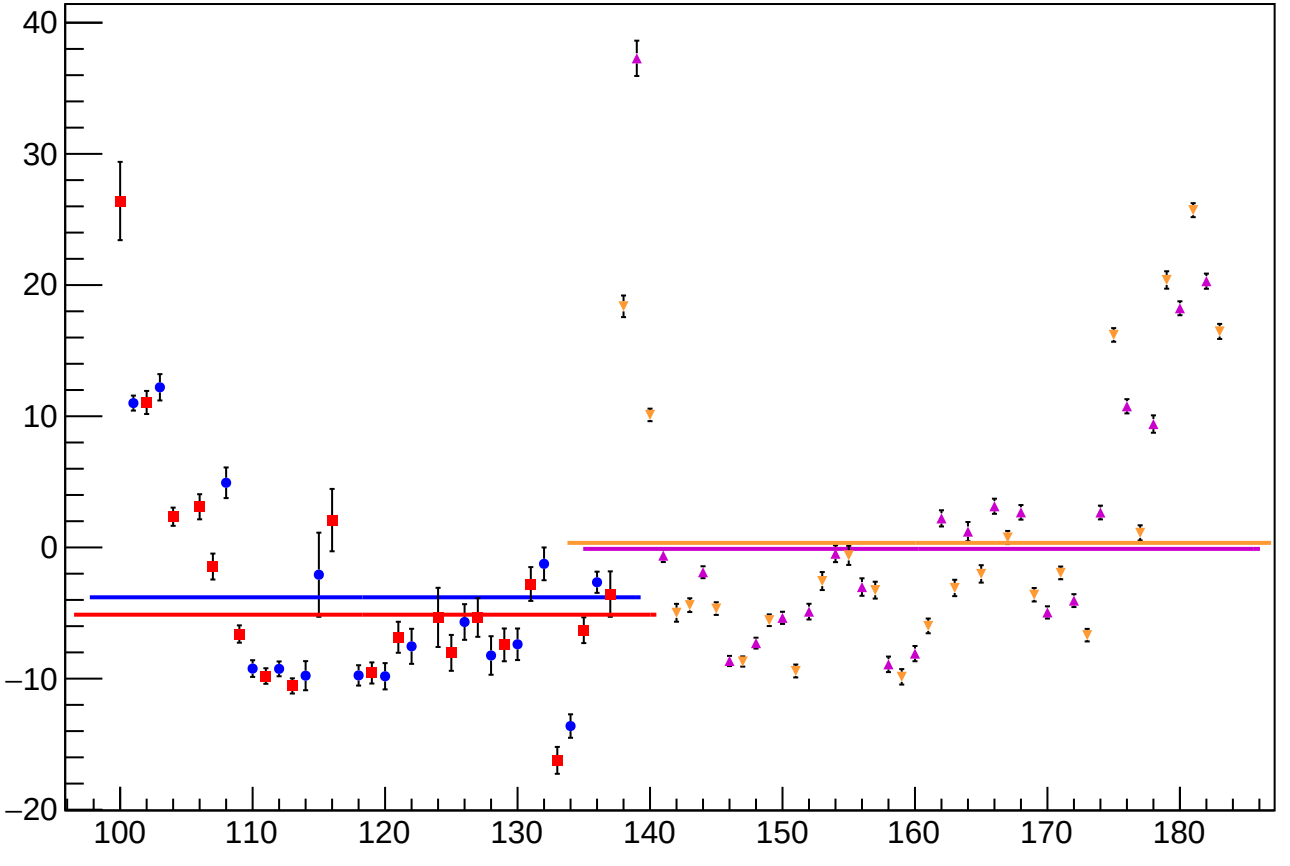
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -17.293+/-0.119 χ^2/NDF:26895.1/37

Out: -16.653+/-0.111 χ^2/NDF:35179.0/42

All: -16.951+/-0.081 χ^2/NDF: 62089.7/80

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: 0.348+/-0.111 χ^2/NDF:7970.9/23

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: 0.127+/-0.080 χ^2/NDF: 13485.9/45

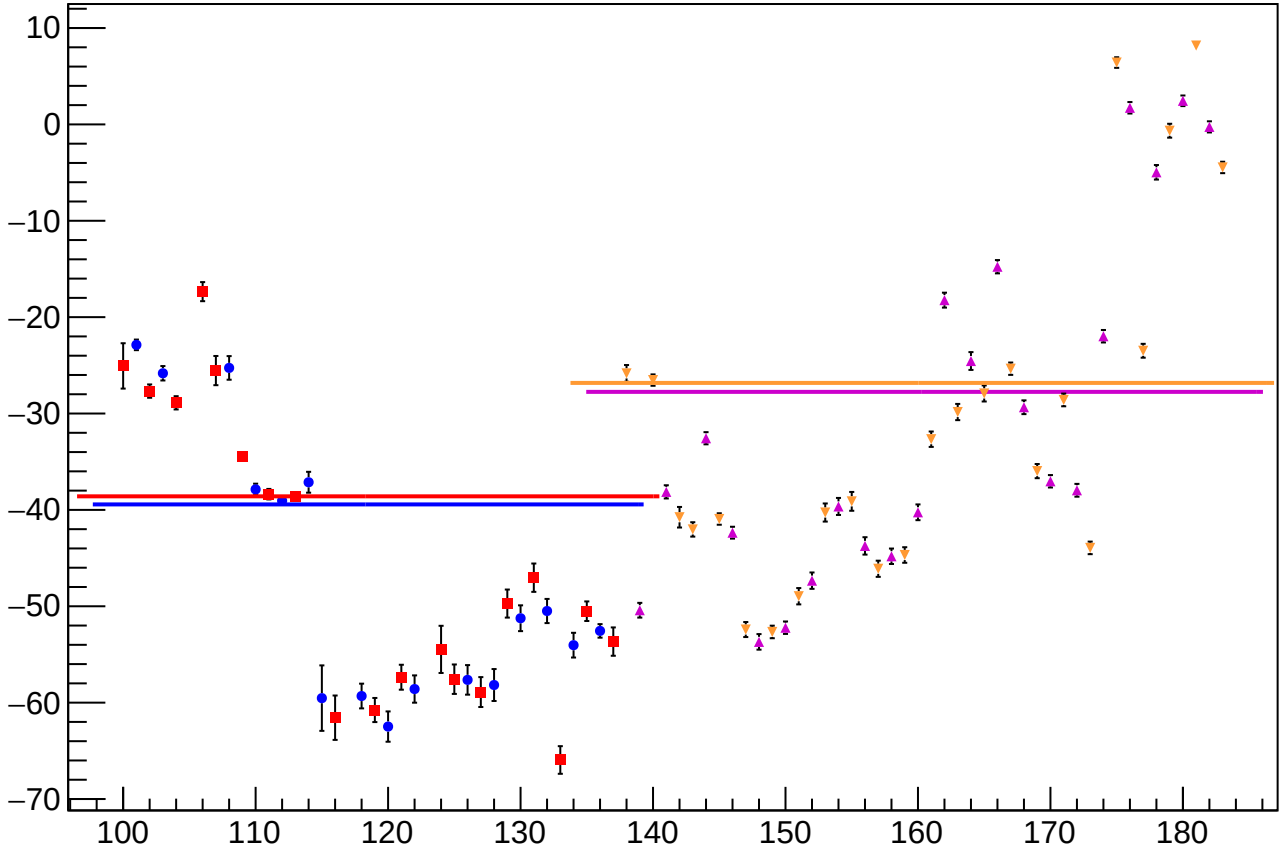
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -0.873+/-0.103 χ^2/NDF:7144.5/37

Out: -0.775+/-0.099 χ^2/NDF:9449.2/42

All: -0.822+/-0.071 χ^2/NDF: 16594.1/80

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: -26.823+/-0.145 χ^2/NDF:17976.0/23

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -27.753+/-0.150 χ^2/NDF:15581.4/21

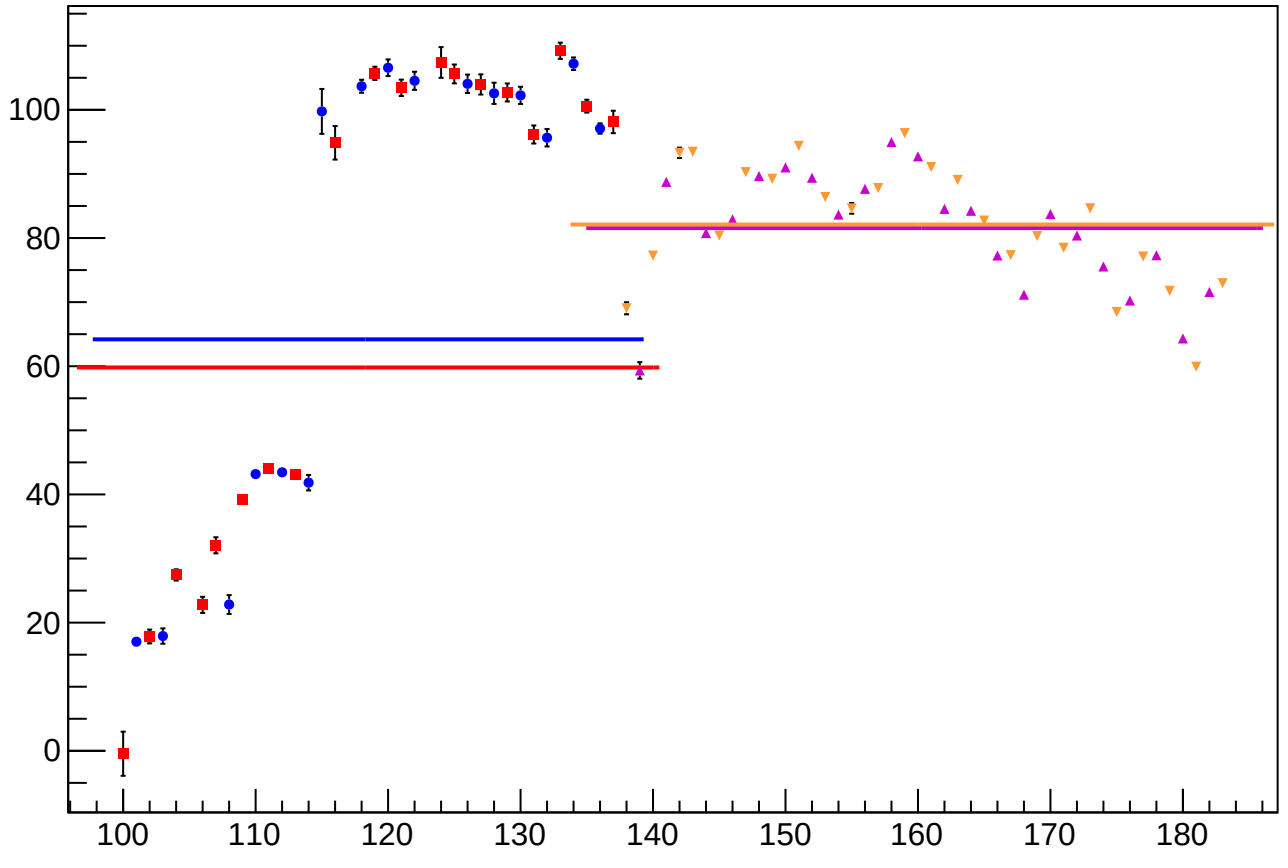
Left: -27.274+/-0.104 χ^2/NDF: 33577.3/45

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -31.324+/-0.125 χ^2/NDF:20402.2/37

Out: -30.566+/-0.120 χ^2/NDF:22839.3/42

All: -30.930+/-0.086 χ^2/NDF: 43260.7/80



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 82.108+/-0.126 χ^2/NDF:5373.4/23

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 81.554+/-0.130 χ^2/NDF:4042.1/21

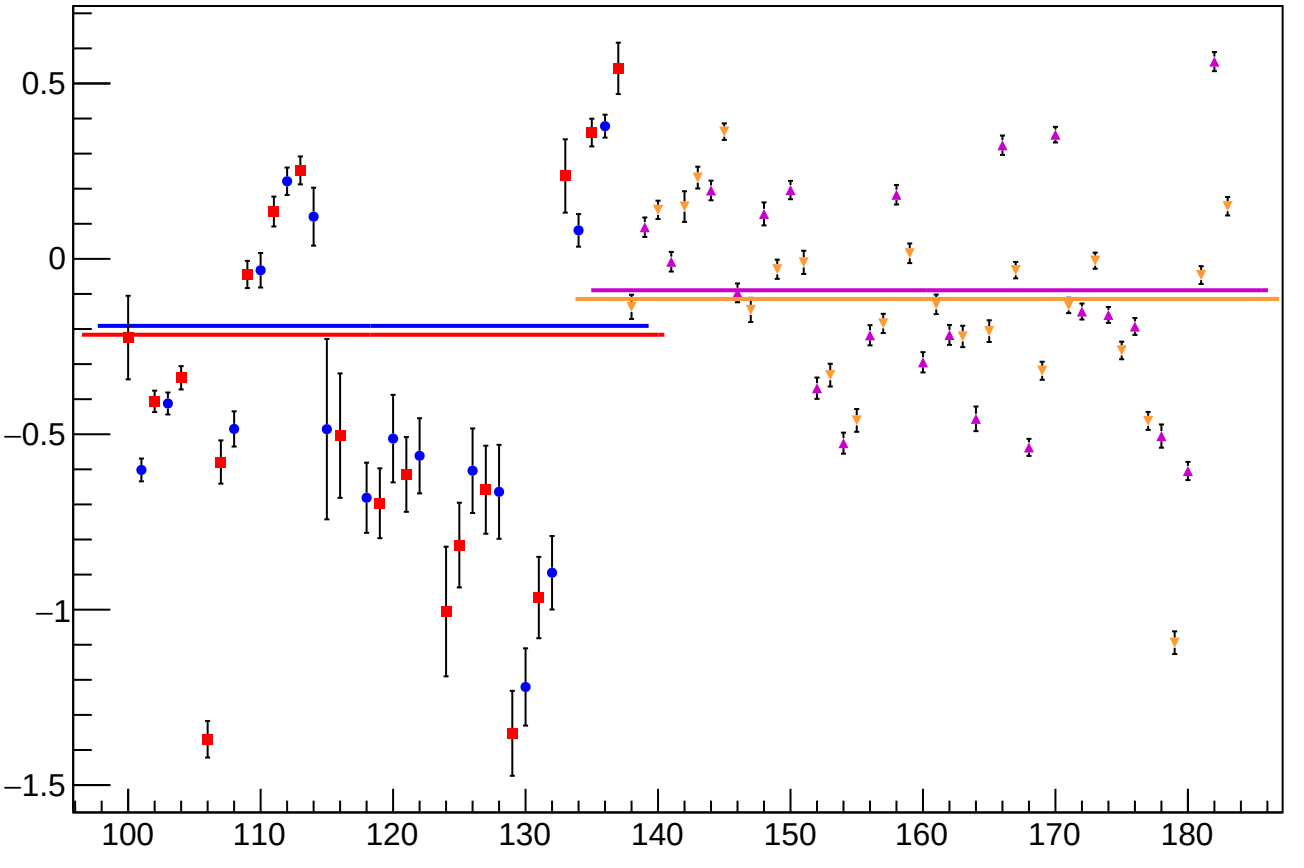
Left: 81.840+/-0.090 χ^2/NDF: 9424.9/45

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 78.032+/-0.116 χ^2/NDF:26260.5/37

Out: 77.563+/-0.112 χ^2/NDF:29206.0/42

All: 77.790+/-0.081 χ^2/NDF: 55474.9/80



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.114+/-0.006 χ^2/NDF:2237.6/23

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: -0.102+/-0.004 χ^2/NDF: 5272.3/45

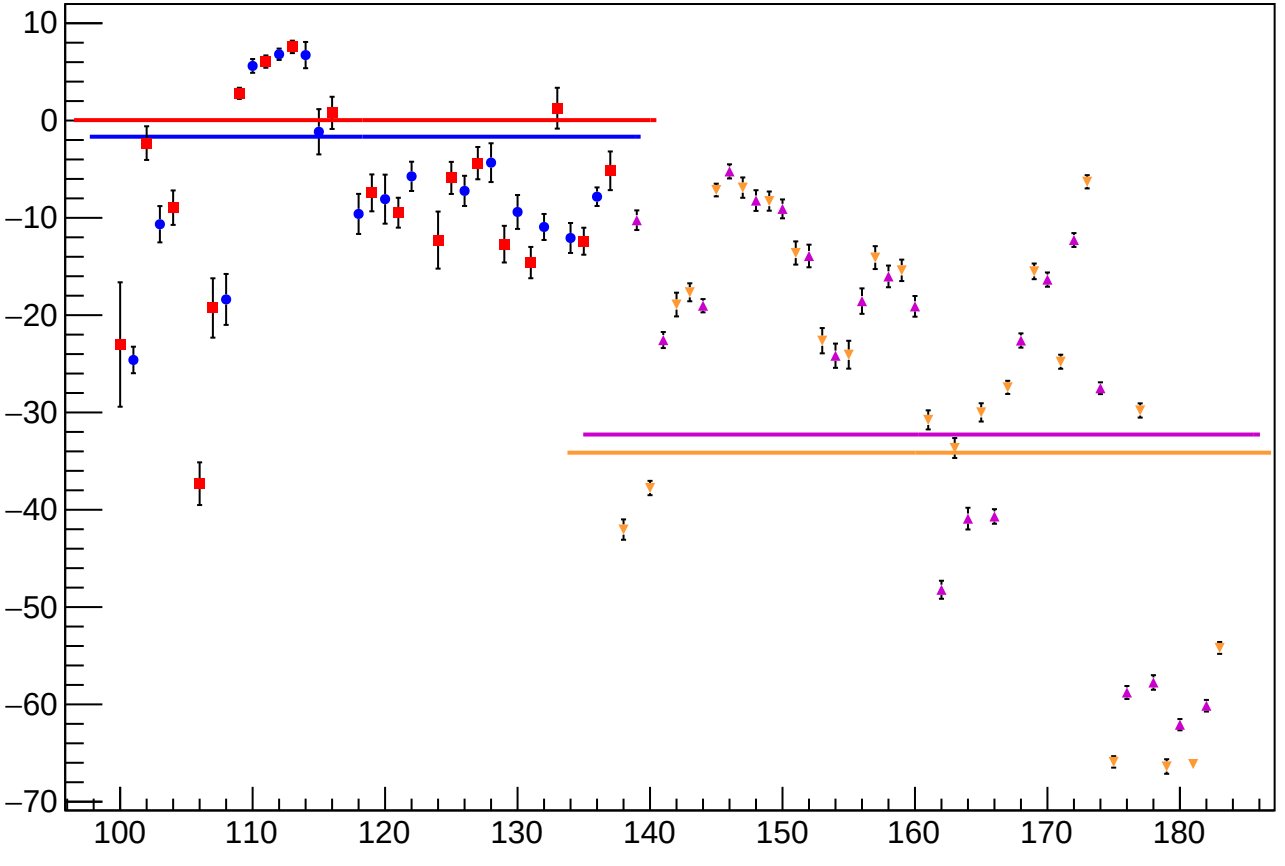
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.105+/-0.005 χ^2/NDF:3992.0/37

Out: -0.131+/-0.005 χ^2/NDF:3657.8/42

All: -0.118+/-0.004 χ^2/NDF: 7661.4/80

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: -34.133+/-0.166 χ^2/NDF:16901.9/23

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: -33.228+/-0.119 χ^2/NDF: 30729.4/45

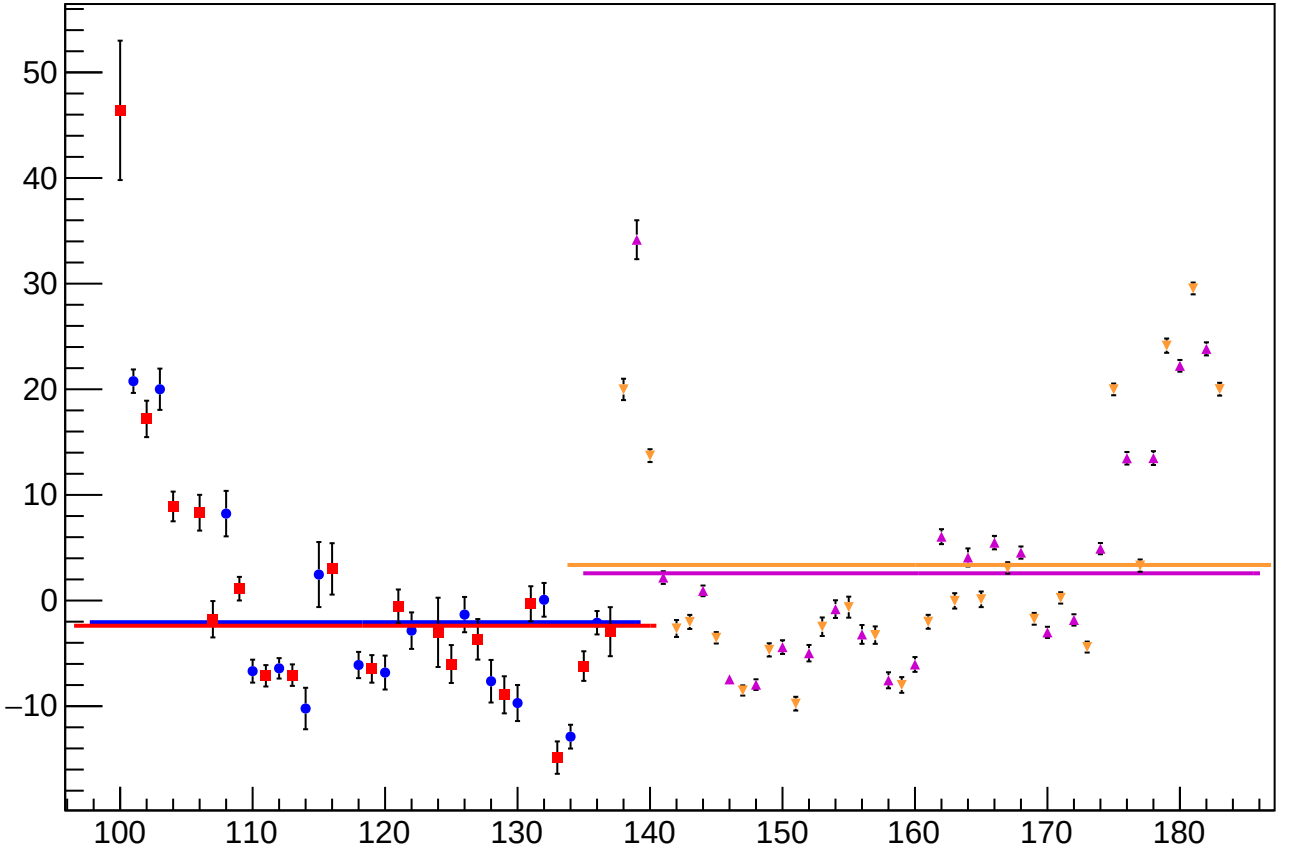
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -25.036+/-0.150 χ^2/NDF:22205.2/37

Out: -25.309+/-0.143 χ^2/NDF:28734.4/42

All: -25.178+/-0.104 χ^2/NDF: 50941.3/80

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: 3.369+/-0.129 χ^2/NDF:7602.0/23

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 2.580+/-0.132 χ^2/NDF:5180.1/21

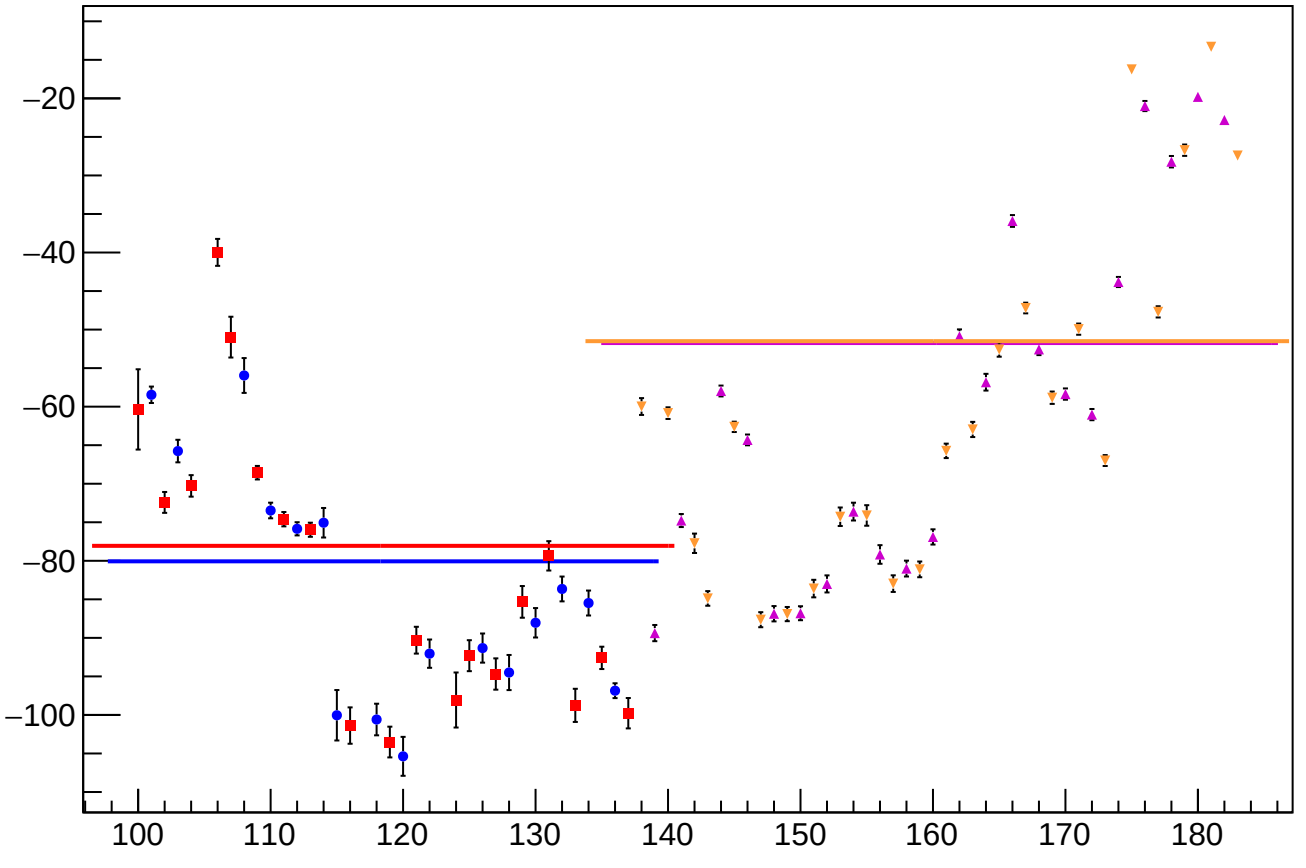
Left: 2.984+/-0.092 χ^2/NDF: 12800.4/45

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: 2.019+/-0.124 χ^2/NDF:6100.5/37

Out: 2.697+/-0.121 χ^2/NDF:8284.7/42

All: 2.365+/-0.087 χ^2/NDF: 14400.5/80



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -51.502+/-0.166 χ^2/NDF:20455.0/23

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -51.745+/-0.171 χ^2/NDF:17594.7/21

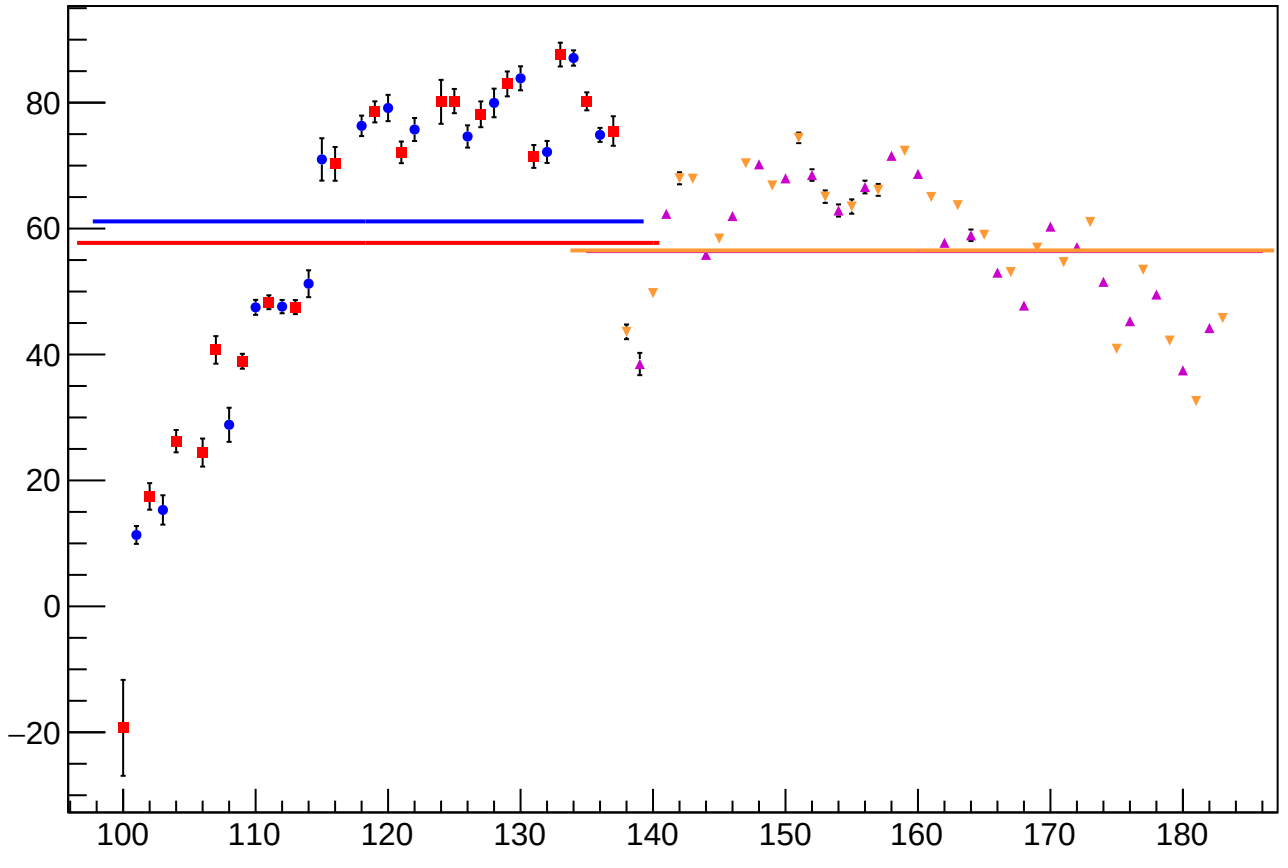
Left: -51.621+/-0.119 χ^2/NDF: 38050.8/45

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -56.850+/-0.155 χ^2/NDF:23934.3/37

Out: -56.320+/-0.151 χ^2/NDF:26635.7/42

All: -56.578+/-0.108 χ^2/NDF: 50576.0/80



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 56.523+/-0.145 χ^2/NDF:5646.7/23

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 56.420+/-0.149 χ^2/NDF:3954.3/21

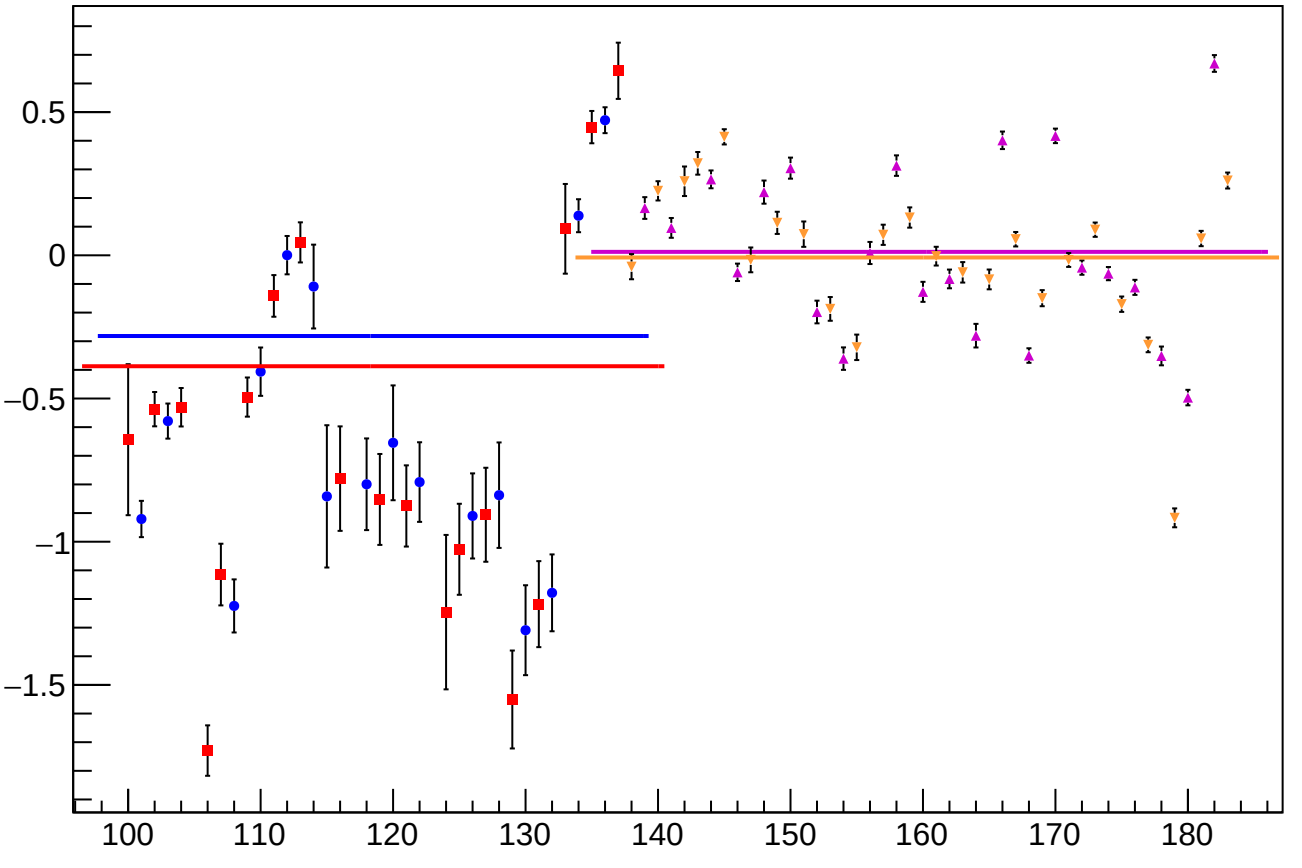
Left: 56.473+/-0.104 χ^2/NDF: 9601.2/45

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 56.991+/-0.139 χ^2/NDF:7305.5/37

Out: 56.664+/-0.137 χ^2/NDF:8430.3/42

All: 56.824+/-0.098 χ^2/NDF: 15738.6/80



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: -0.008+/-0.007 χ^2/NDF:1586.8/23

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.012+/-0.007 χ^2/NDF:2087.9/21

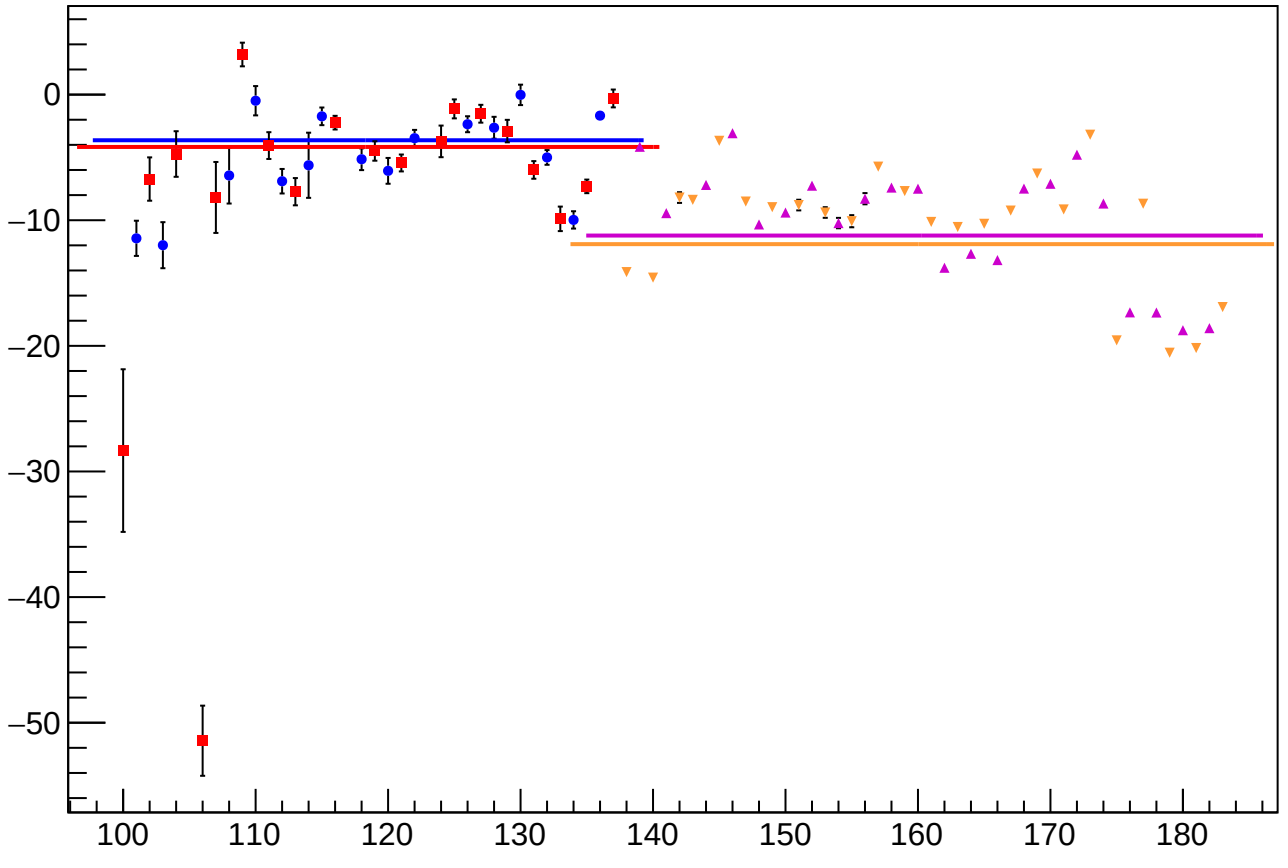
Left: 0.002+/-0.005 χ^2/NDF: 3679.1/45

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.013+/-0.006 χ^2/NDF:2984.7/37

Out: -0.039+/-0.006 χ^2/NDF:2681.5/42

All: -0.026+/-0.004 χ^2/NDF: 5674.2/80



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -11.904+/-0.053 χ^2/NDF:11775.8/23

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: -11.571+/-0.038 χ^2/NDF: 20990.1/45

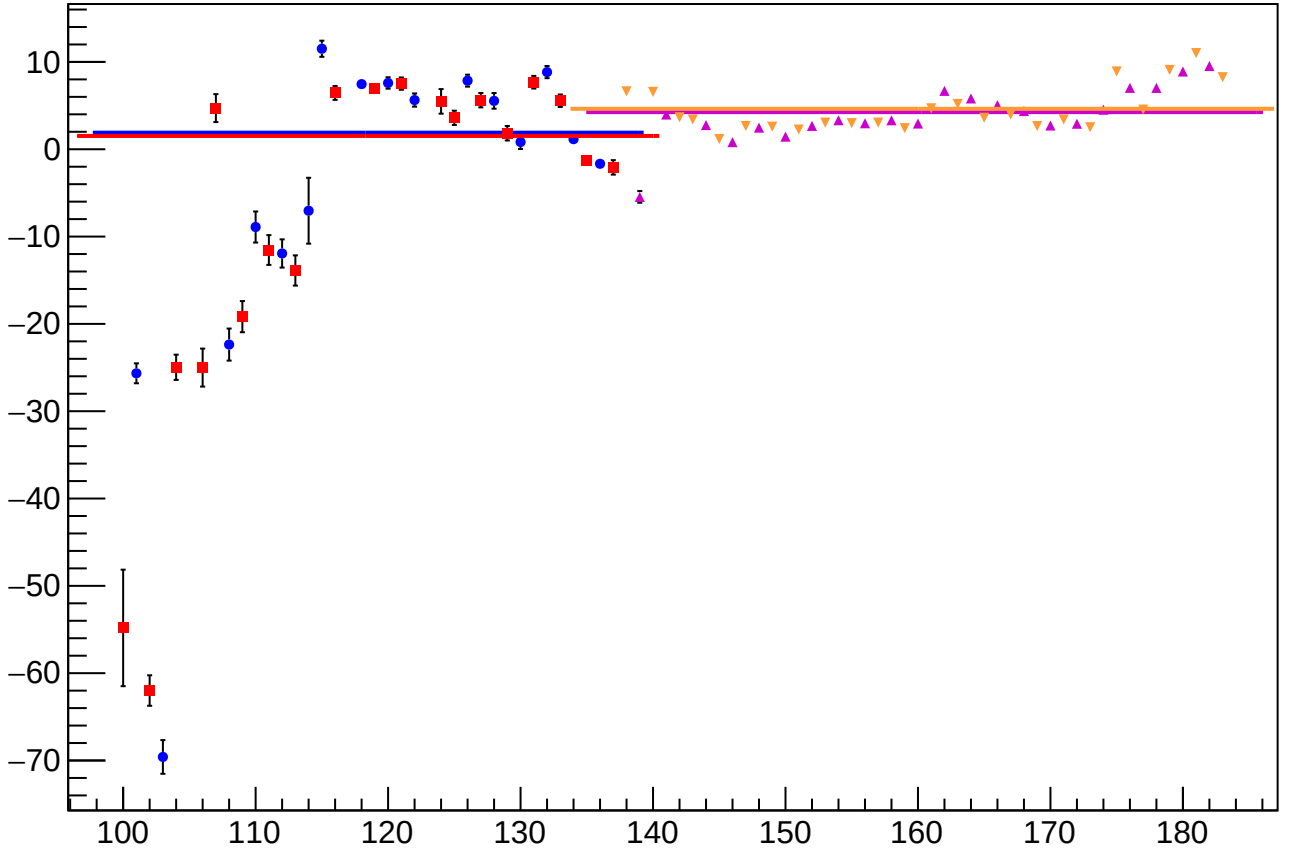
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -10.636+/-0.052 χ^2/NDF:10855.0/37

Out: -11.390+/-0.051 χ^2/NDF:13710.4/42

All: -11.020+/-0.037 χ^2/NDF: 24670.8/80

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: 4.635+/-0.042 χ^2/NDF:4198.0/23

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 4.254+/-0.042 χ^2/NDF:3501.1/21

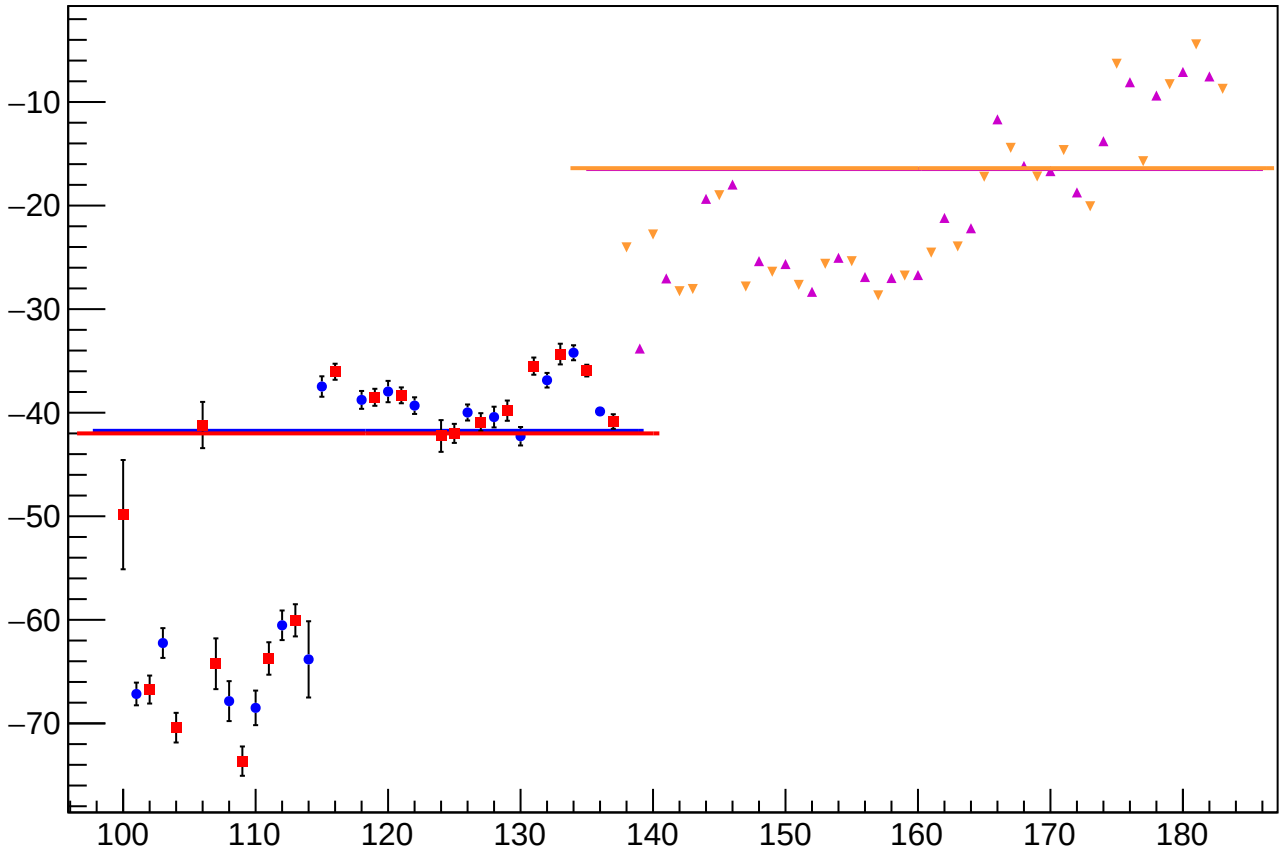
Left: 4.447+/-0.030 χ^2/NDF: 7740.1/45

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 4.141+/-0.041 χ^2/NDF:6487.1/37

Out: 4.515+/-0.041 χ^2/NDF:6972.1/42

All: 4.330+/-0.029 χ^2/NDF: 13500.5/80



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -16.389+/-0.053 χ^2/NDF:21795.5/23

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: -16.430+/-0.038 χ^2/NDF: 39753.9/45

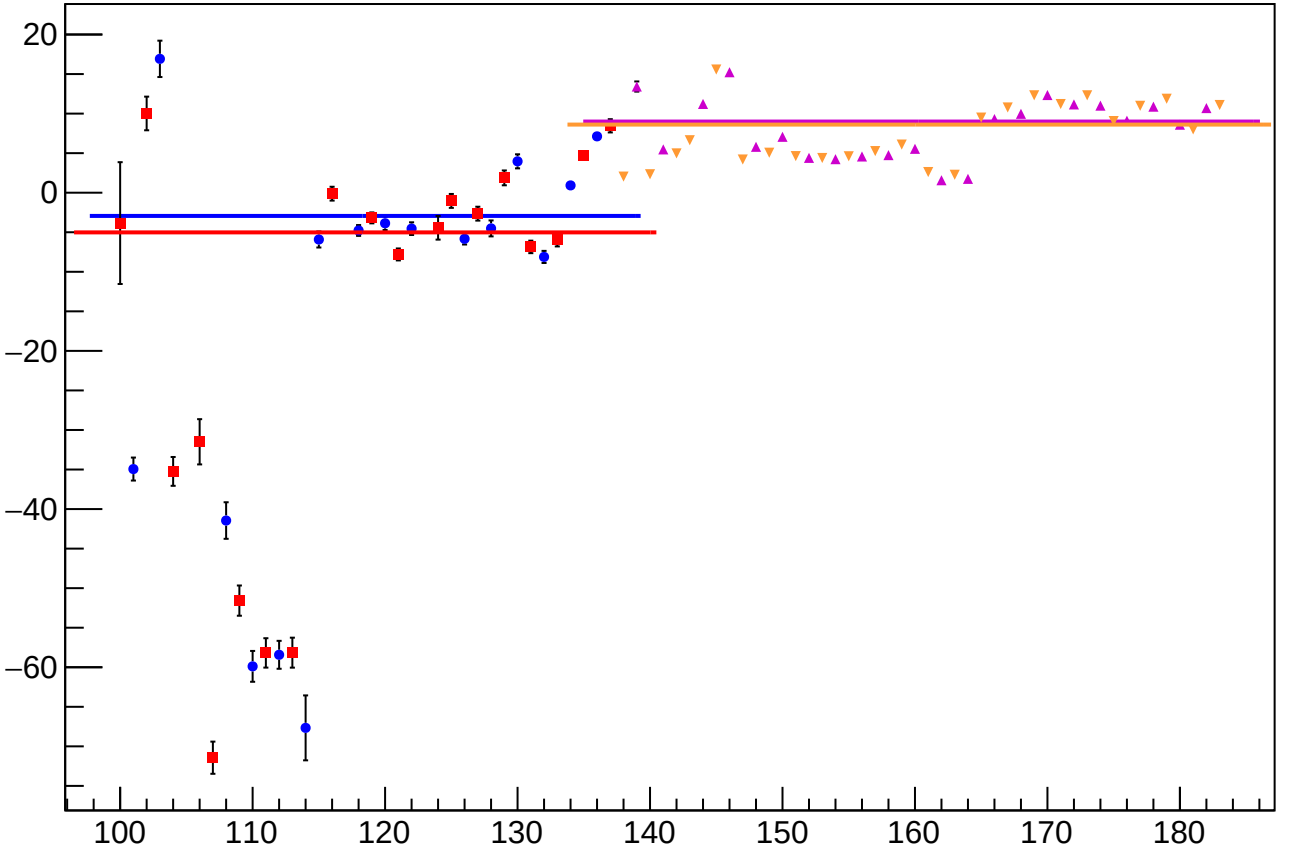
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -18.102+/-0.053 χ^2/NDF:33458.9/37

Out: -17.714+/-0.052 χ^2/NDF:35717.0/42

All: -17.905+/-0.037 χ^2/NDF: 69203.3/80

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.612+/-0.047 χ^2/NDF:6535.6/23

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: 8.801+/-0.033 χ^2/NDF: 12046.4/45

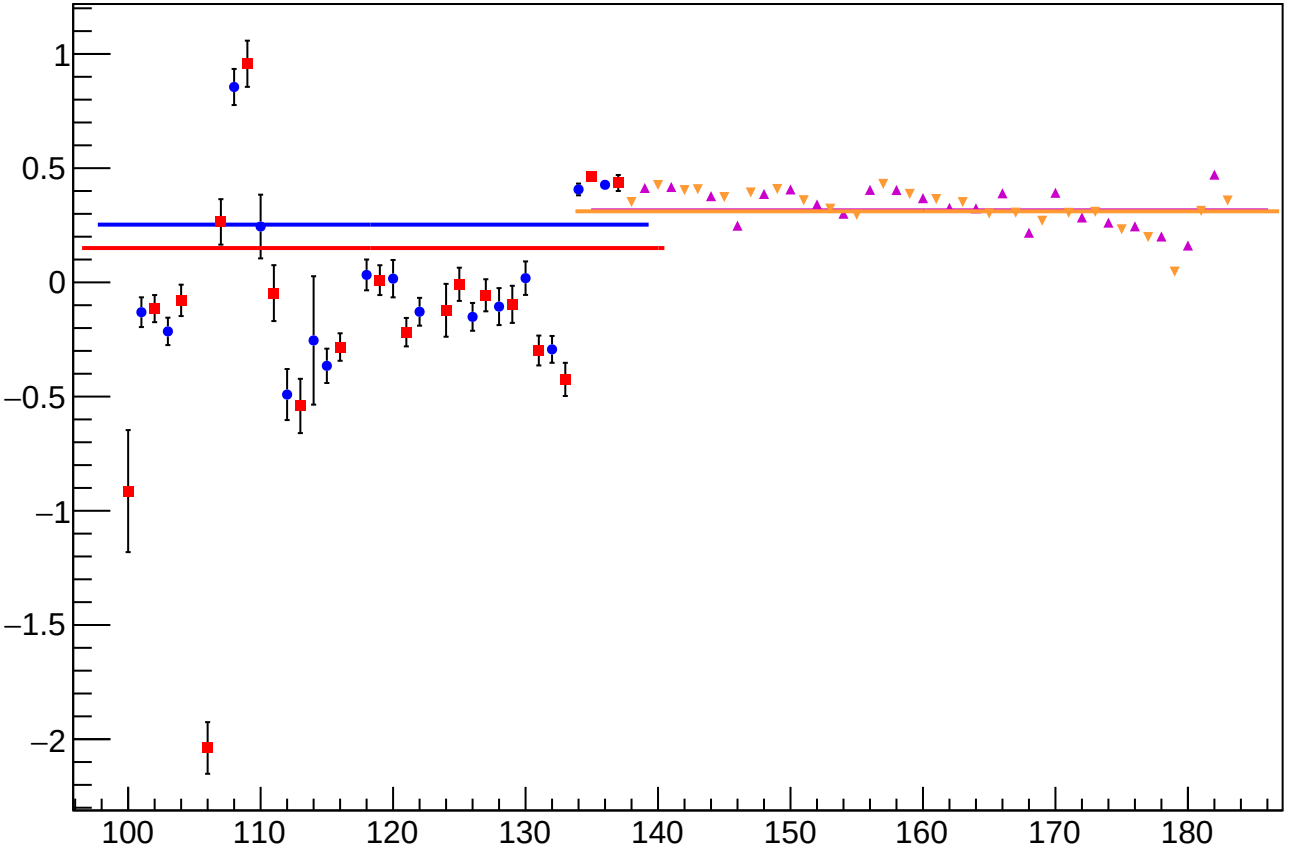
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 8.414+/-0.046 χ^2/NDF:12284.2/37

Out: 8.082+/-0.046 χ^2/NDF:14236.0/42

All: 8.246+/-0.033 χ^2/NDF: 26546.2/80

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: 0.311+/-0.002 χ^2/NDF:1538.7/23

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: 0.313+/-0.001 χ^2/NDF: 3183.1/45

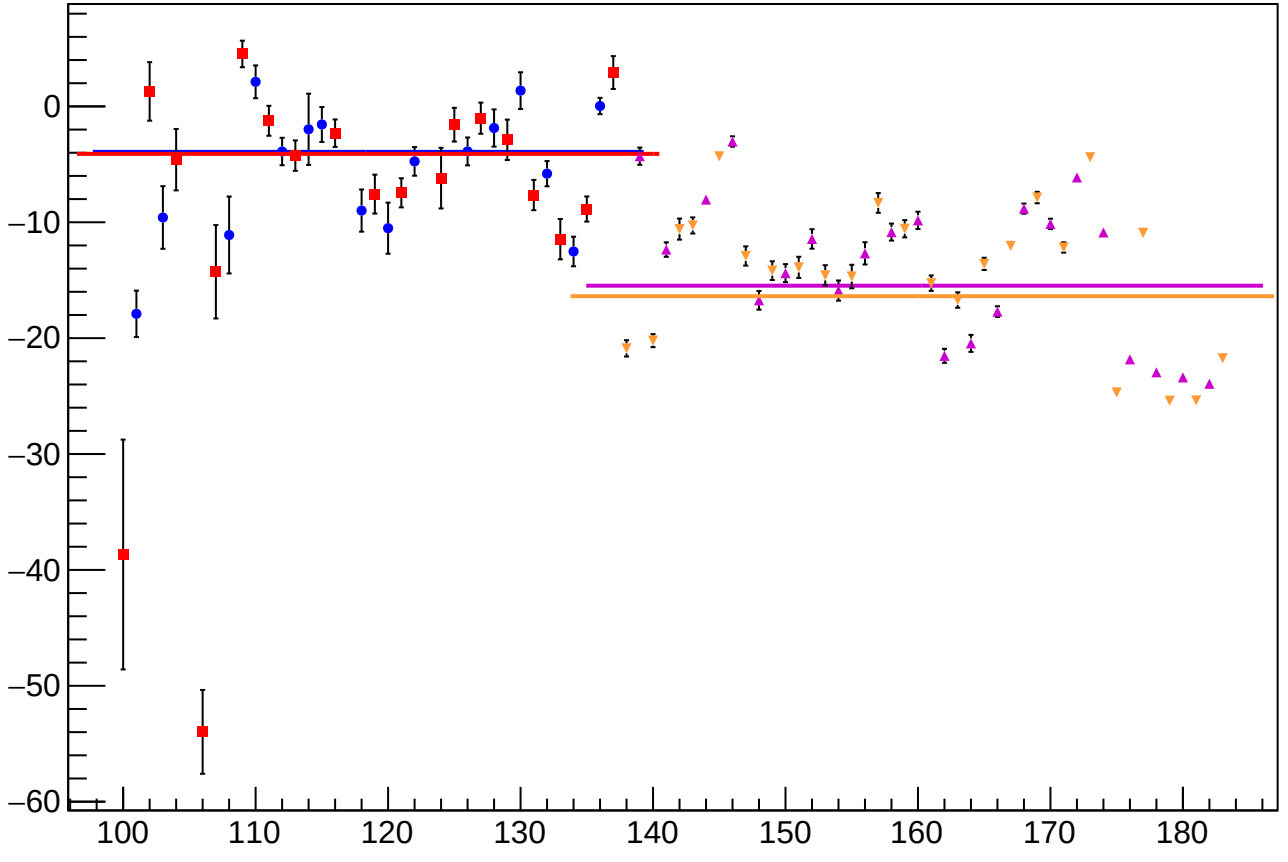
Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.313+/-0.002 χ^2/NDF:2302.2/37

Out: 0.307+/-0.002 χ^2/NDF:2698.5/42

All: 0.310+/-0.001 χ^2/NDF: 5004.5/80

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: -16.380+/-0.101 χ^2/NDF:5417.8/23

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: -15.938+/-0.072 χ^2/NDF: 10177.1/45

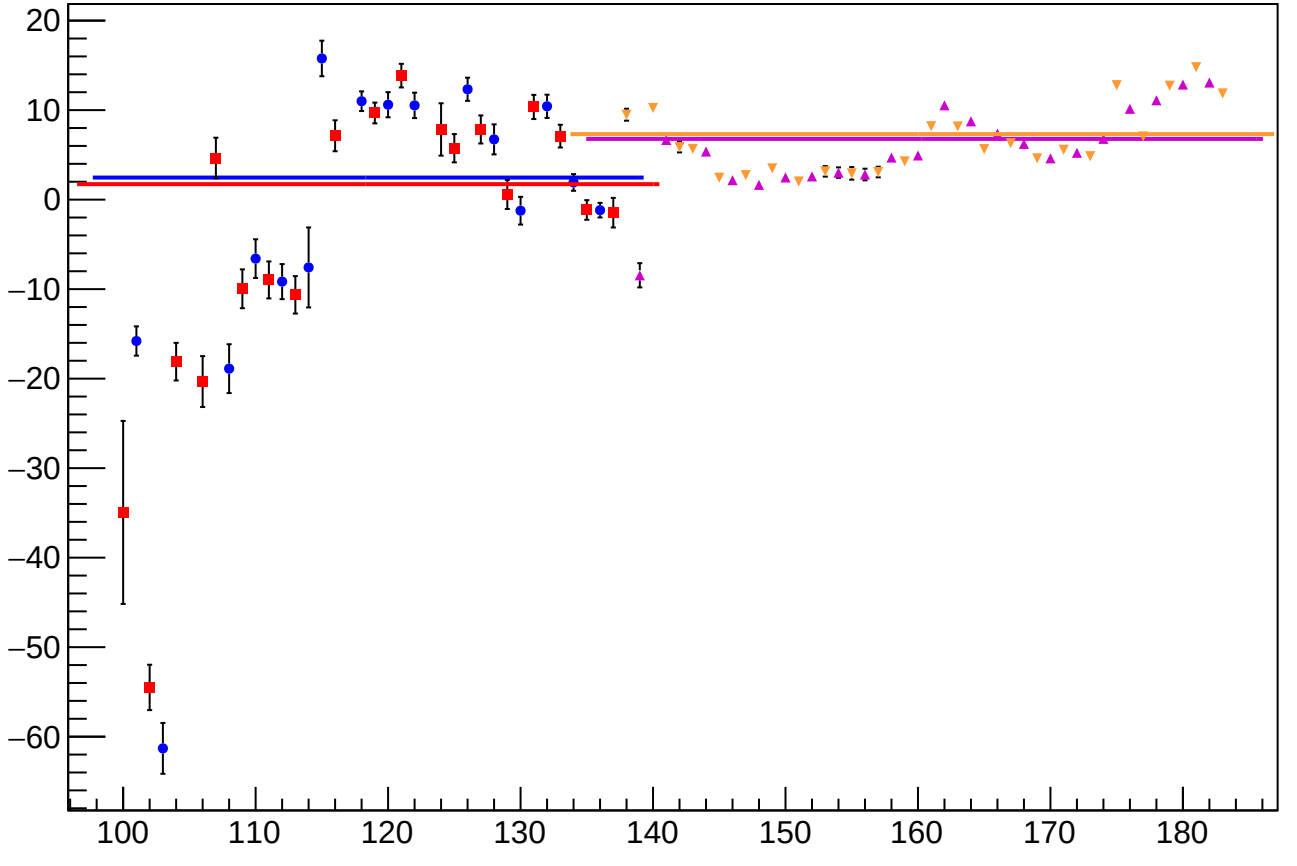
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -14.525+/-0.099 χ^2/NDF:5931.1/37

Out: -15.474+/-0.097 χ^2/NDF:6882.3/42

All: -15.010+/-0.069 χ^2/NDF: 12860.3/80

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: 7.322+/-0.081 χ^2/NDF:2377.9/23

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 6.783+/-0.082 χ^2/NDF:2115.8/21

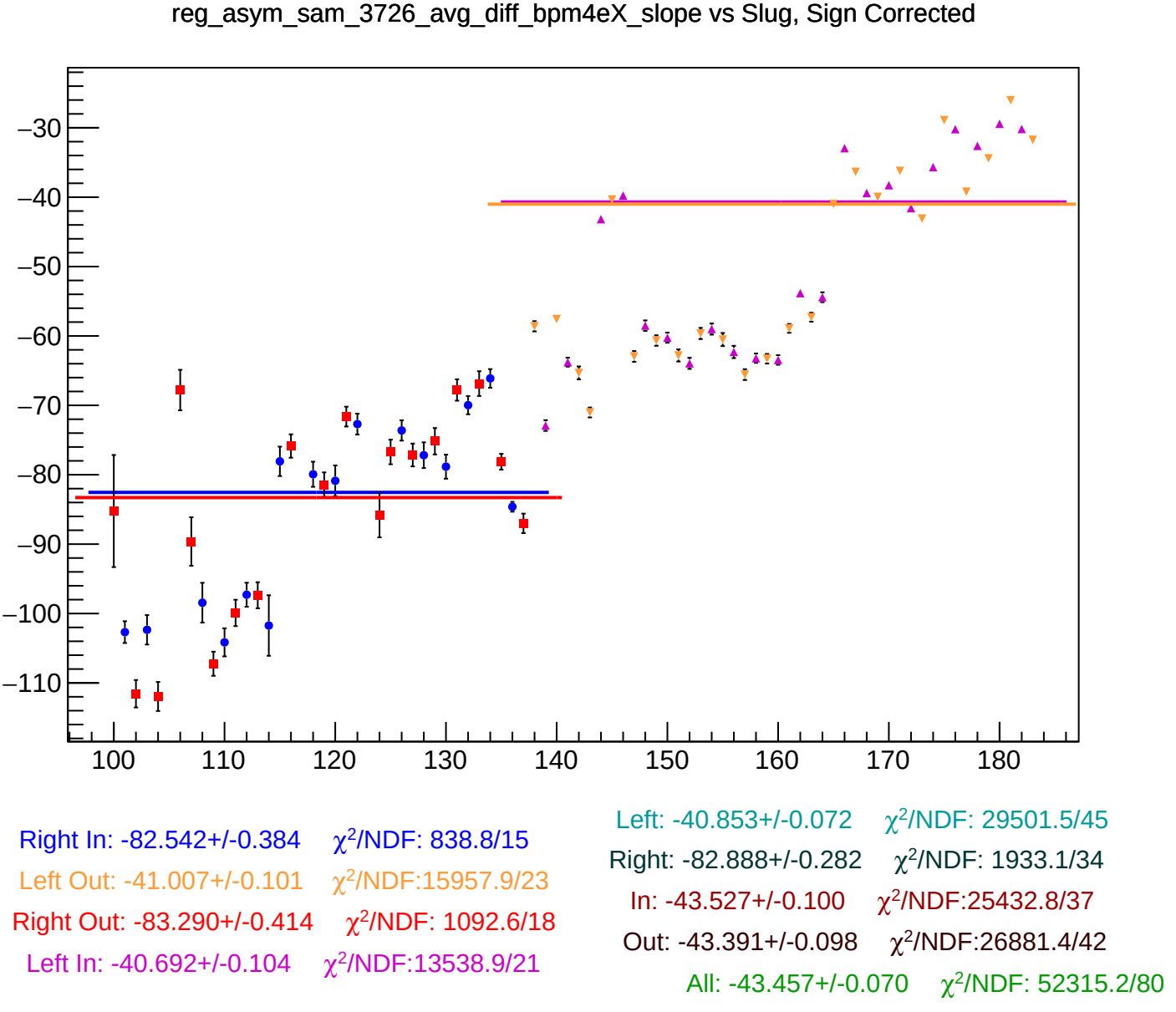
Left: 7.055+/-0.058 χ^2/NDF: 4515.6/45

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

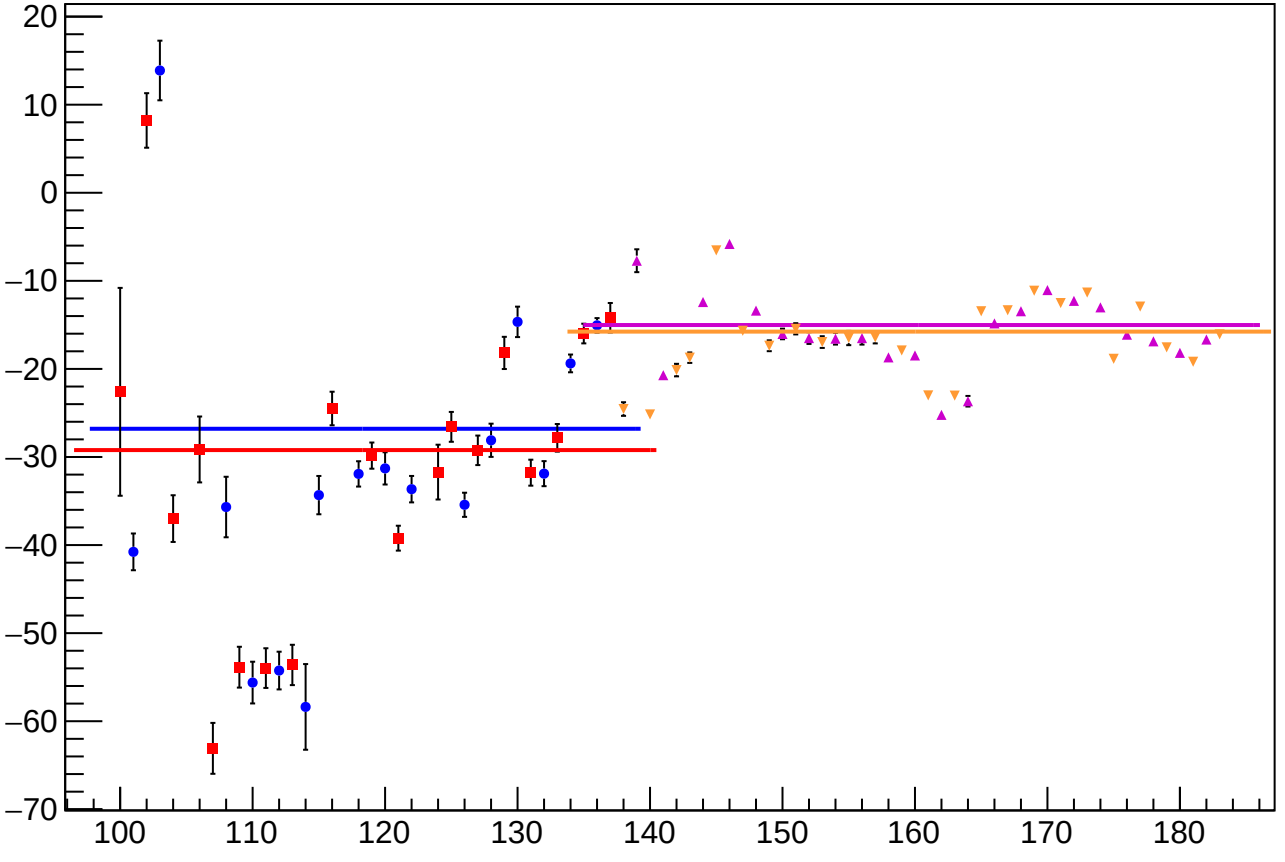
In: 6.567+/-0.080 χ^2/NDF:3301.7/37

Out: 7.086+/-0.079 χ^2/NDF:3562.1/42

All: 6.828+/-0.056 χ^2/NDF: 6885.0/80


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
−110
100
110
120
130
140
150
160
170
180
Right In: -82.542+/-0.384 χ²/NDF: 838.8/15
Left Out: -41.007+/-0.101 χ²/NDF:15957.9/23
Right Out: -83.290+/-0.414 χ²/NDF: 1092.6/18
Left In: -40.692+/-0.104 χ²/NDF:13538.9/21
Left: -40.853+/-0.072 χ²/NDF: 29501.5/45
Right: -82.888+/-0.282 χ²/NDF: 1933.1/34
In: -43.527+/-0.100 χ²/NDF:25432.8/37
Out: -43.391+/-0.098 χ²/NDF:26881.4/42
All: -43.457+/-0.070 χ²/NDF: 52315.2/80

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: -15.764+/-0.090 χ^2/NDF:2351.8/23

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: -15.396+/-0.064 χ^2/NDF: 4532.3/45

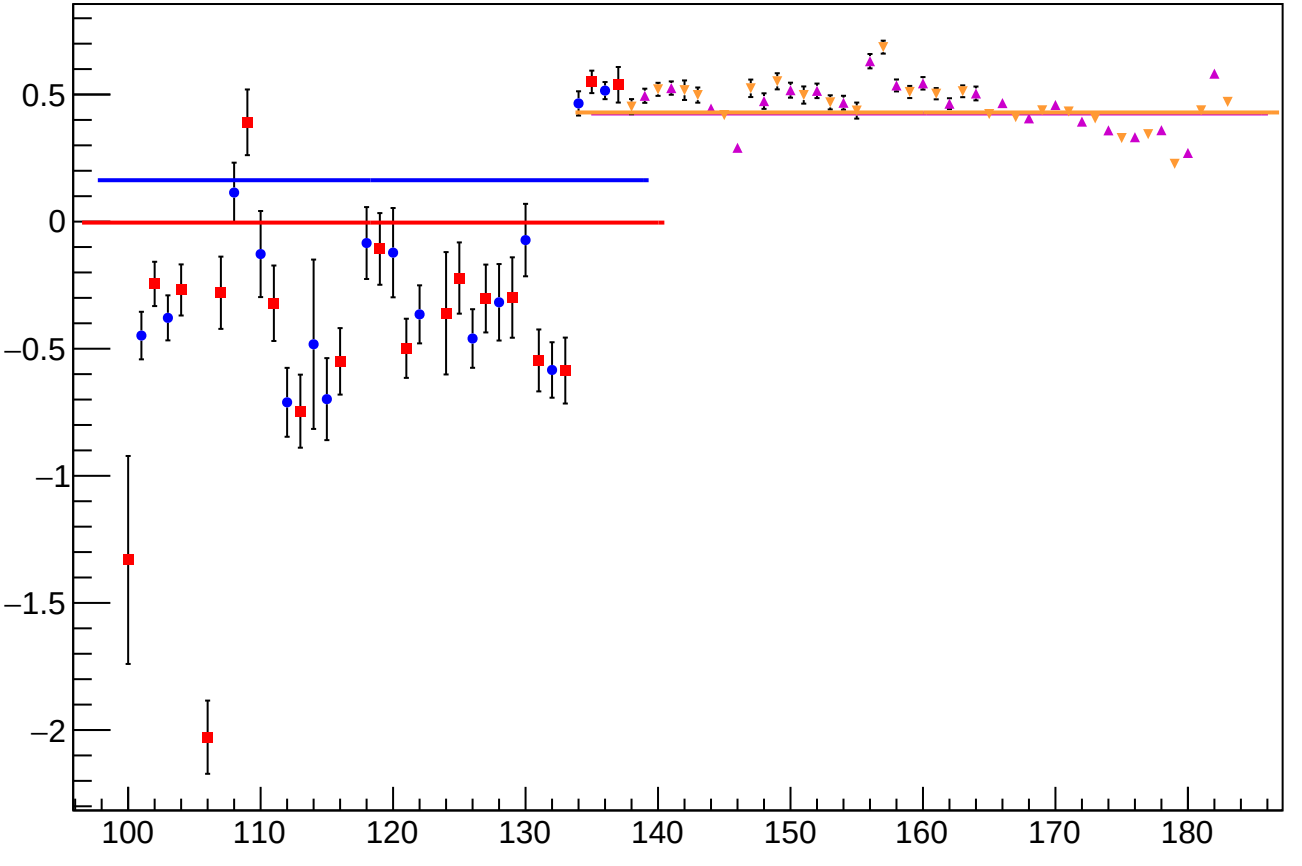
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.613+/-0.089 χ^2/NDF:3951.7/37

Out: -16.326+/-0.088 χ^2/NDF:4245.4/42

All: -15.973+/-0.063 χ^2/NDF: 8229.6/80

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.429+/-0.004 χ^2/NDF:415.2/23

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: 0.427+/-0.003 χ^2/NDF: 943.3/45

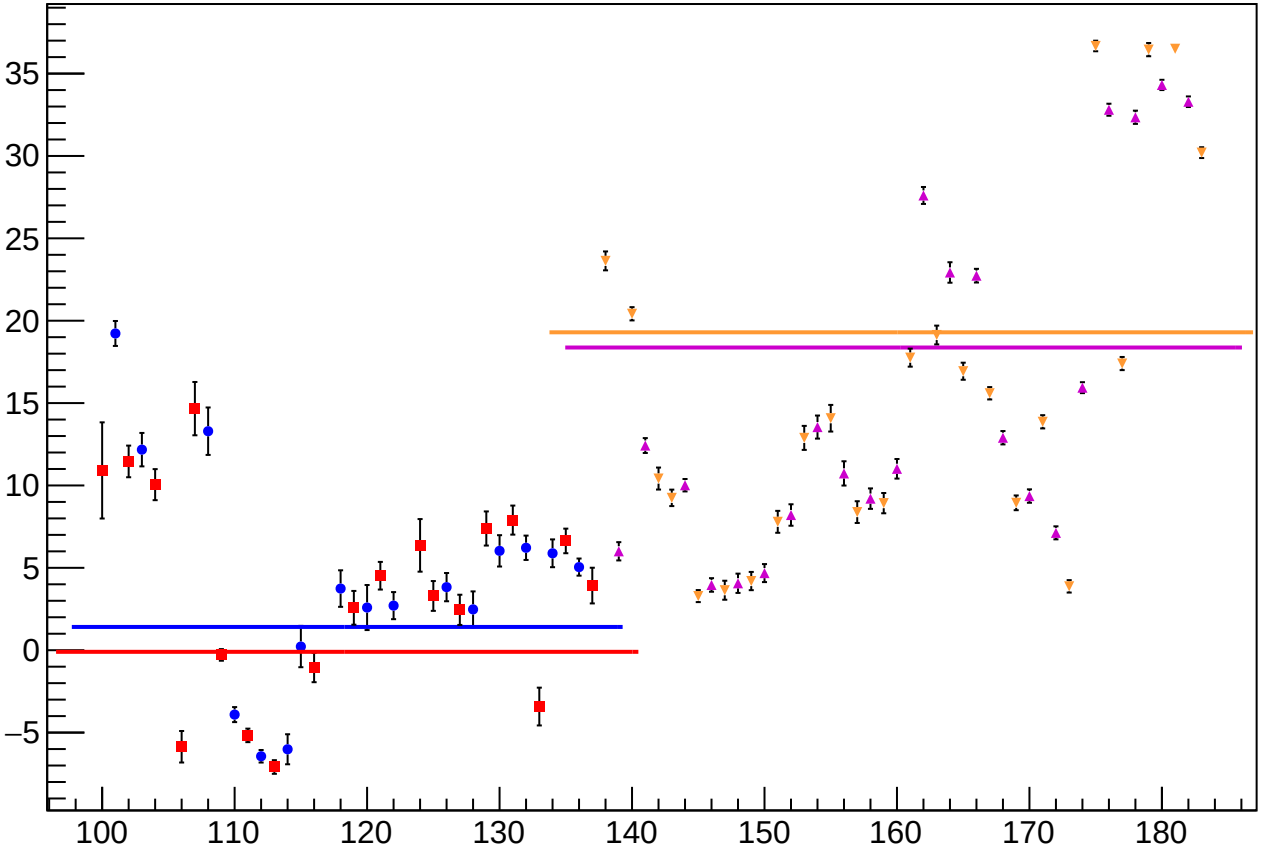
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.416+/-0.004 χ^2/NDF:1095.4/37

Out: 0.418+/-0.004 χ^2/NDF:1295.3/42

All: 0.417+/-0.003 χ^2/NDF: 2390.8/80

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: 19.296+/-0.091 χ^2/NDF:17283.2/23

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: 18.849+/-0.066 χ^2/NDF: 31272.4/45

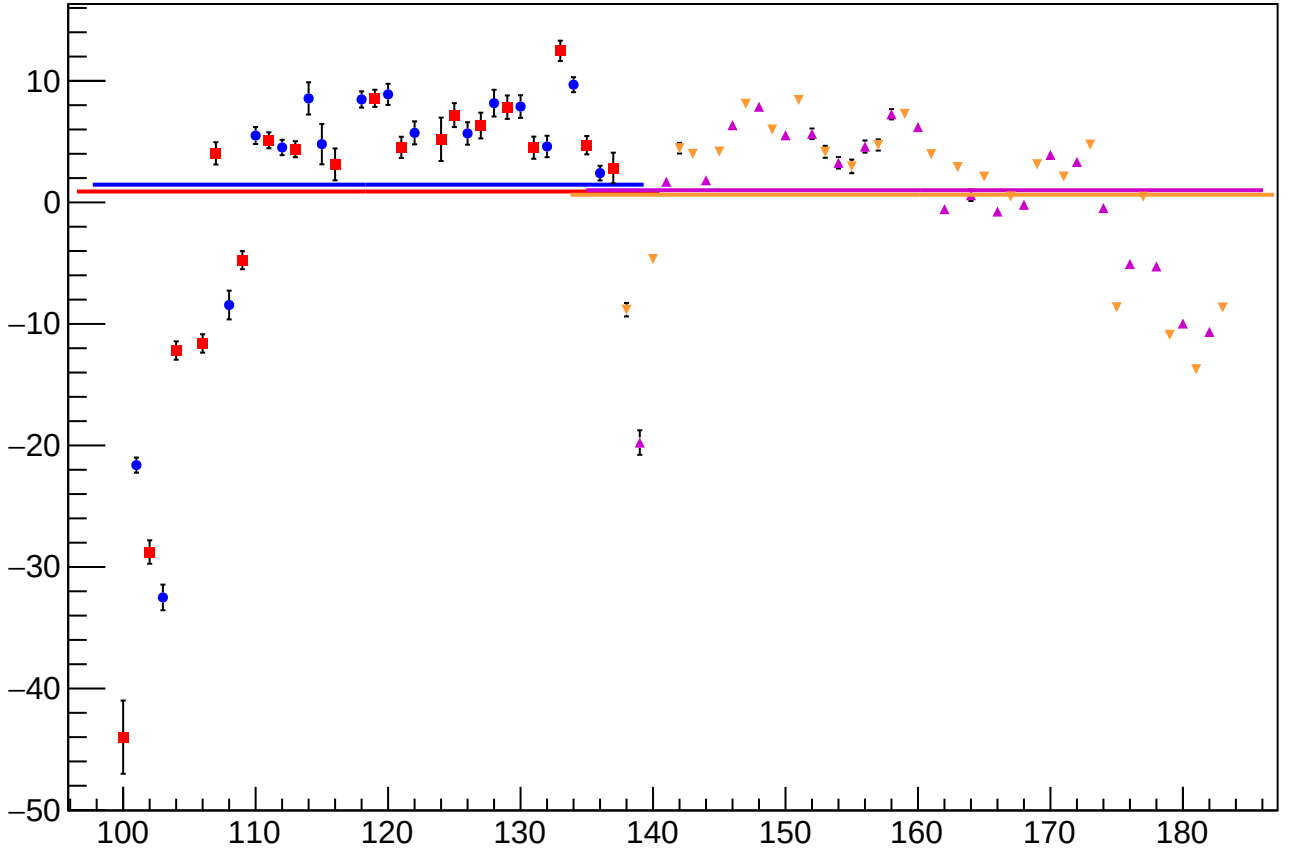
Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 14.815+/-0.084 χ^2/NDF:22243.0/37

Out: 14.844+/-0.080 χ^2/NDF:28772.1/42

All: 14.830+/-0.058 χ^2/NDF: 51015.1/80

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 0.627+/-0.071 χ^2/NDF:8175.5/23

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: 0.810+/-0.051 χ^2/NDF: 13940.4/45

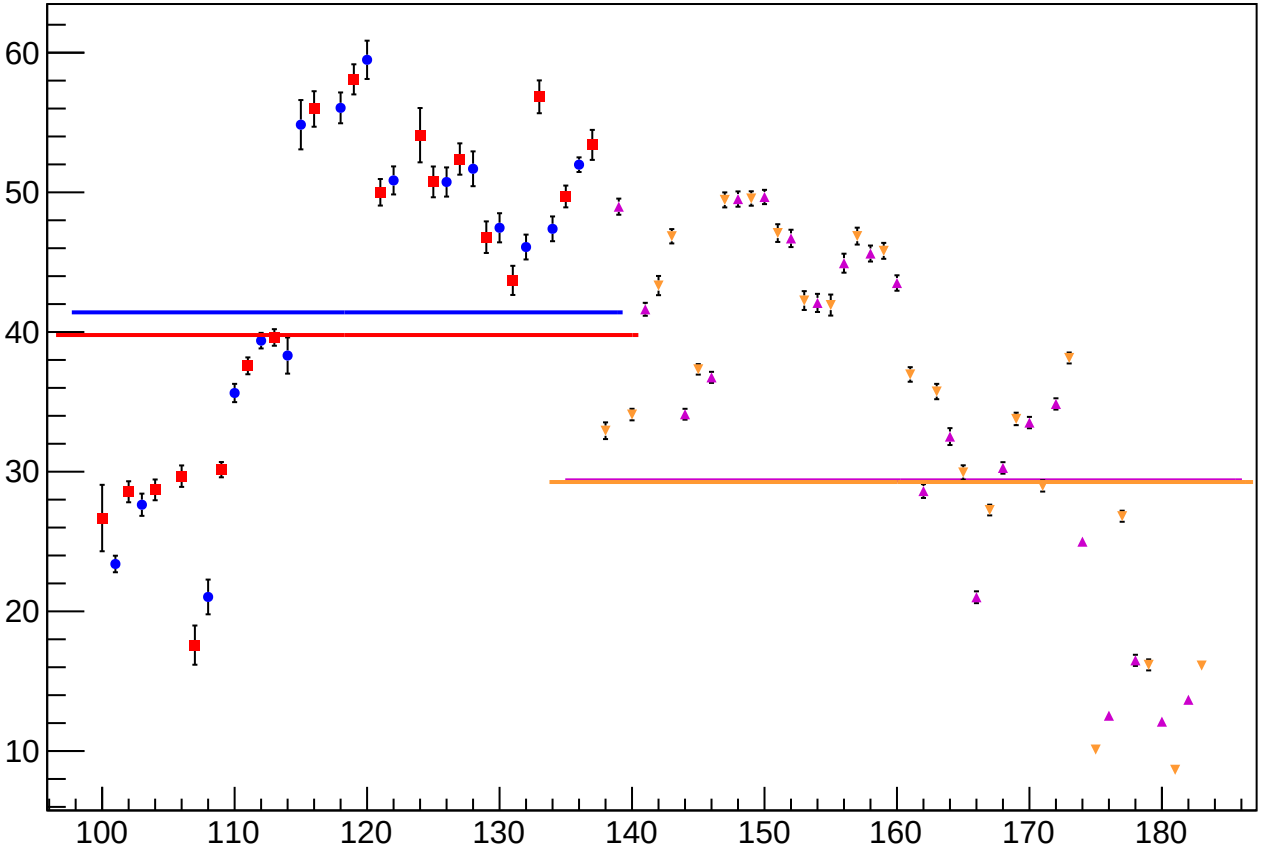
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 1.054+/-0.069 χ^2/NDF:8836.2/37

Out: 0.657+/-0.067 χ^2/NDF:10554.2/42

All: 0.851+/-0.048 χ^2/NDF: 19407.4/80

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: 29.261+/-0.091 χ^2/NDF:20655.8/23

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: 29.319+/-0.066 χ^2/NDF: 38498.5/45

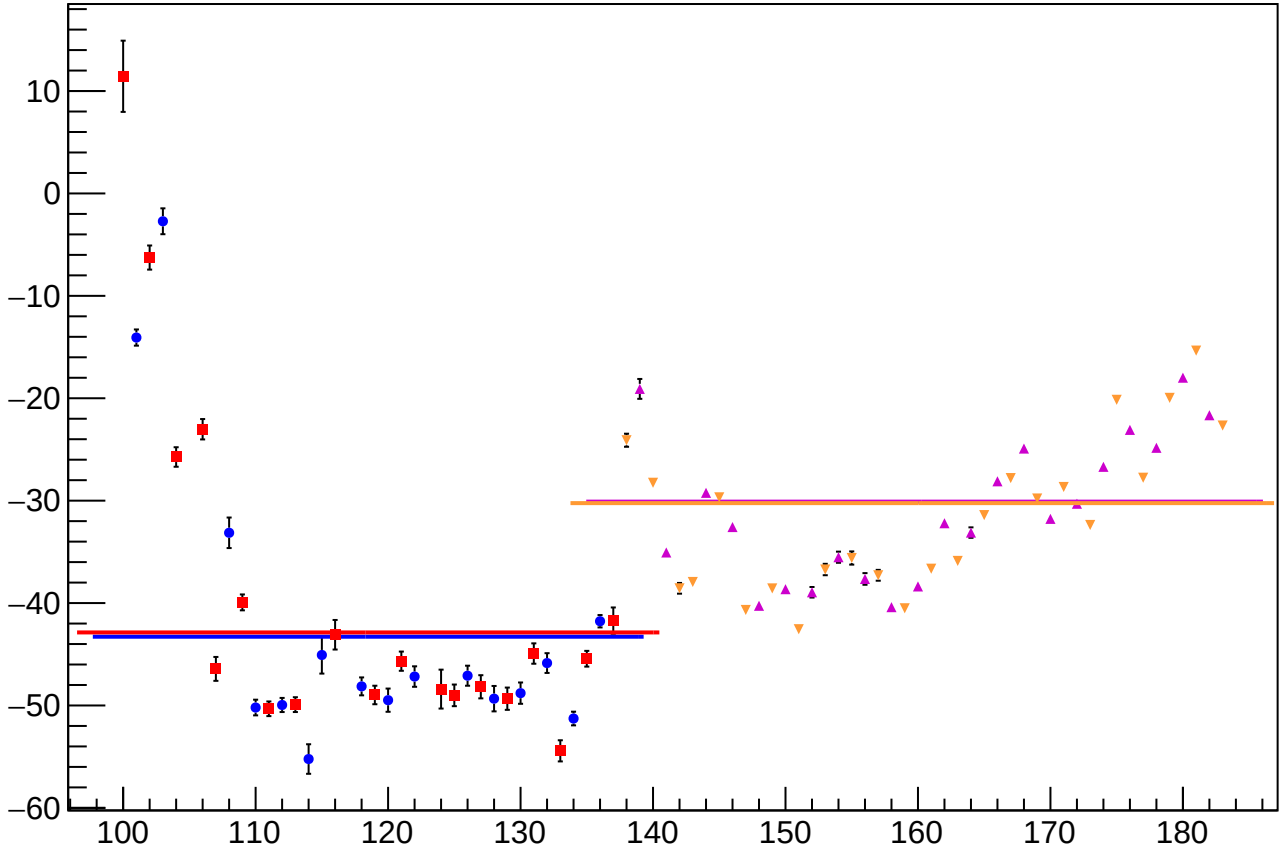
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 31.381+/-0.086 χ^2/NDF:23305.5/37

Out: 31.039+/-0.083 χ^2/NDF:25545.7/42

All: 31.205+/-0.060 χ^2/NDF: 48859.4/80

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -30.241+/-0.080 χ^2/NDF:8494.1/23

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: -30.169+/-0.057 χ^2/NDF: 14520.3/45

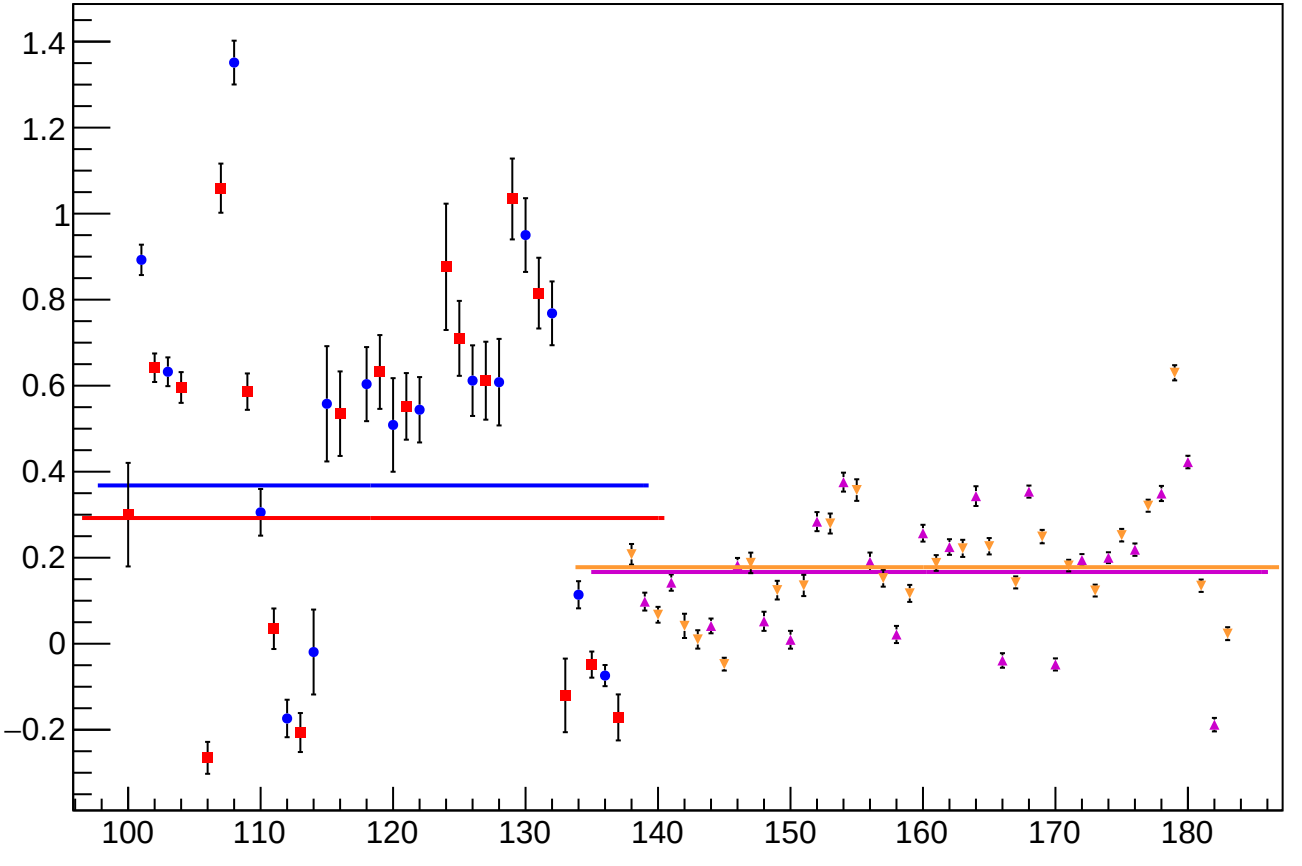
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -31.590+/-0.077 χ^2/NDF:11943.3/37

Out: -31.615+/-0.076 χ^2/NDF:13656.9/42

All: -31.603+/-0.054 χ^2/NDF: 25600.3/80

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.178+/-0.004 χ^2/NDF:1392.5/23

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.167+/-0.004 χ^2/NDF:1917.3/21

Left: 0.172+/-0.003 χ^2/NDF: 3314.6/45

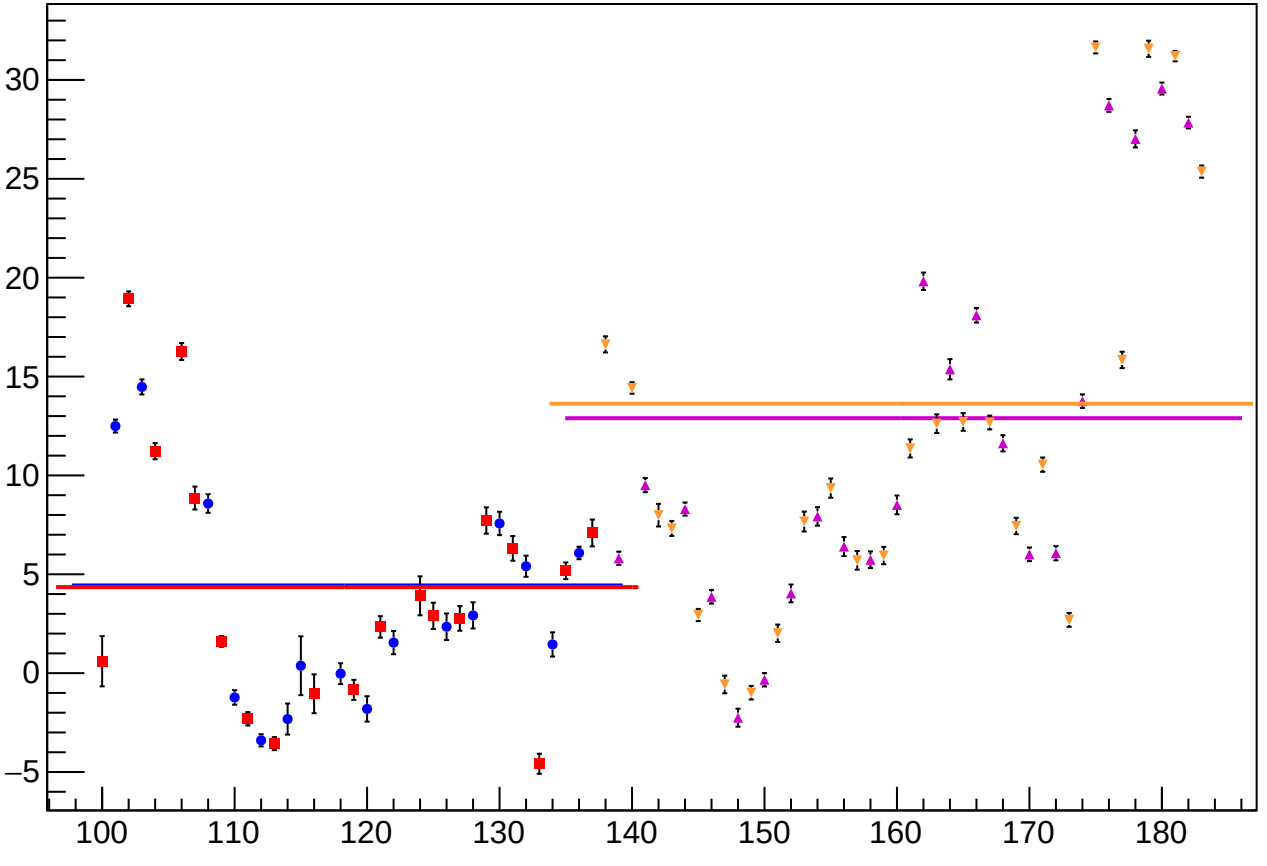
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.183+/-0.004 χ^2/NDF:3487.8/37

Out: 0.187+/-0.003 χ^2/NDF:2673.7/42

All: 0.185+/-0.002 χ^2/NDF: 6162.1/80

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 13.625+/-0.078 χ^2/NDF:18675.8/23

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: 13.272+/-0.056 χ^2/NDF: 34076.9/45

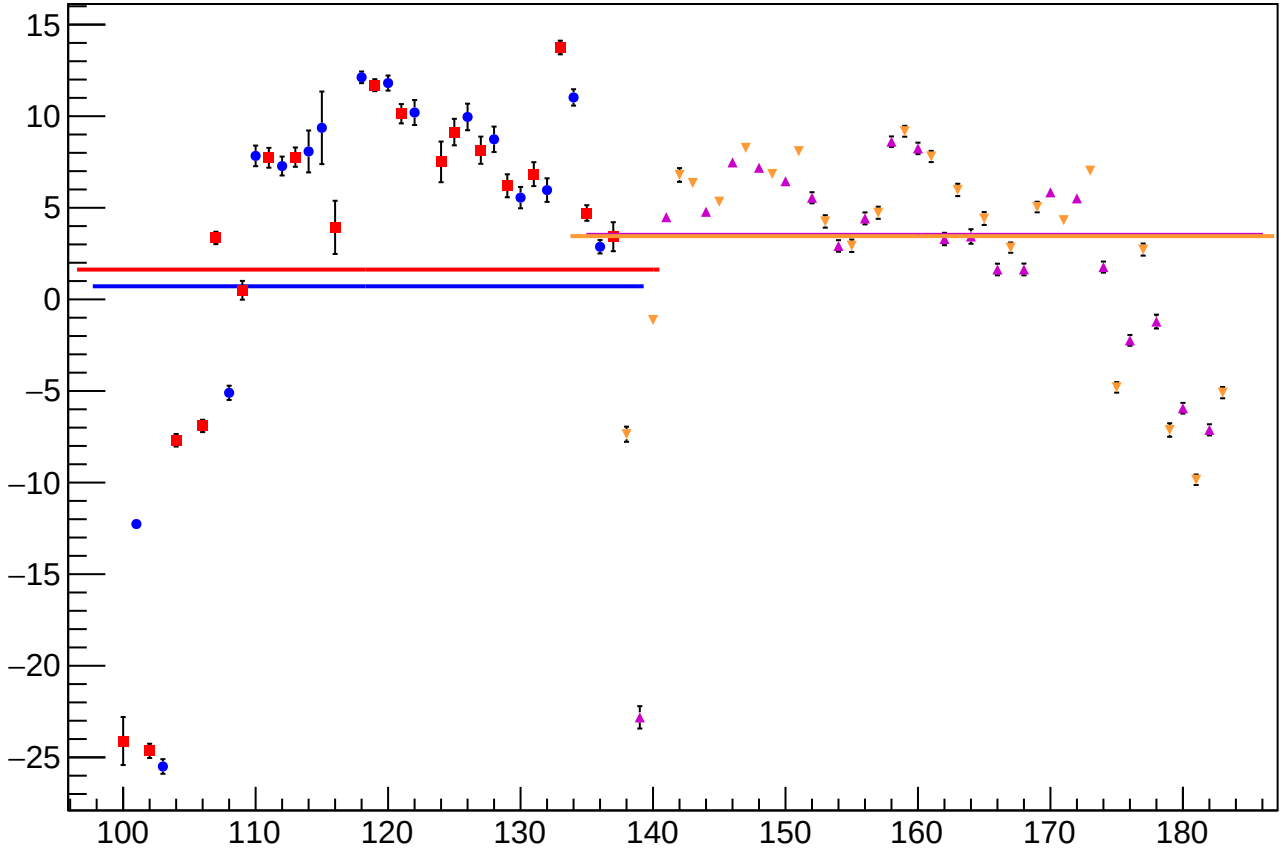
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 10.190+/-0.066 χ^2/NDF:21538.7/37

Out: 10.514+/-0.063 χ^2/NDF:27683.8/42

All: 10.359+/-0.046 χ^2/NDF: 49235.0/80

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: 3.452+/-0.059 χ^2/NDF:7865.1/23

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 3.522+/-0.061 χ^2/NDF:6344.1/21

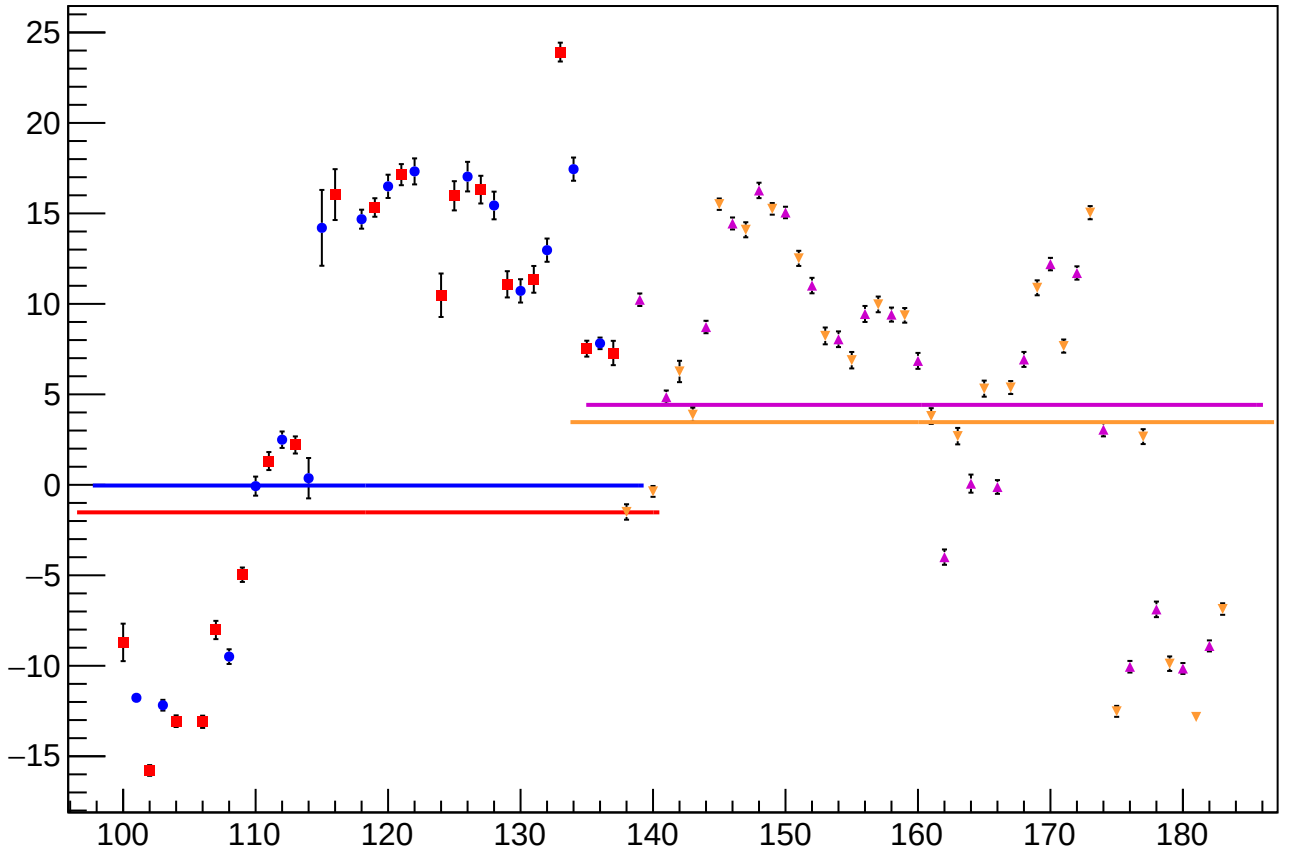
Left: 3.486+/-0.043 χ^2/NDF: 14209.8/45

Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 2.907+/-0.054 χ^2/NDF:17256.0/37

Out: 3.050+/-0.052 χ^2/NDF:17331.3/42

All: 2.981+/-0.038 χ^2/NDF: 34590.9/80



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 3.465+/-0.077 χ^2/NDF:14875.4/23

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: 3.928+/-0.055 χ^2/NDF: 27357.6/45

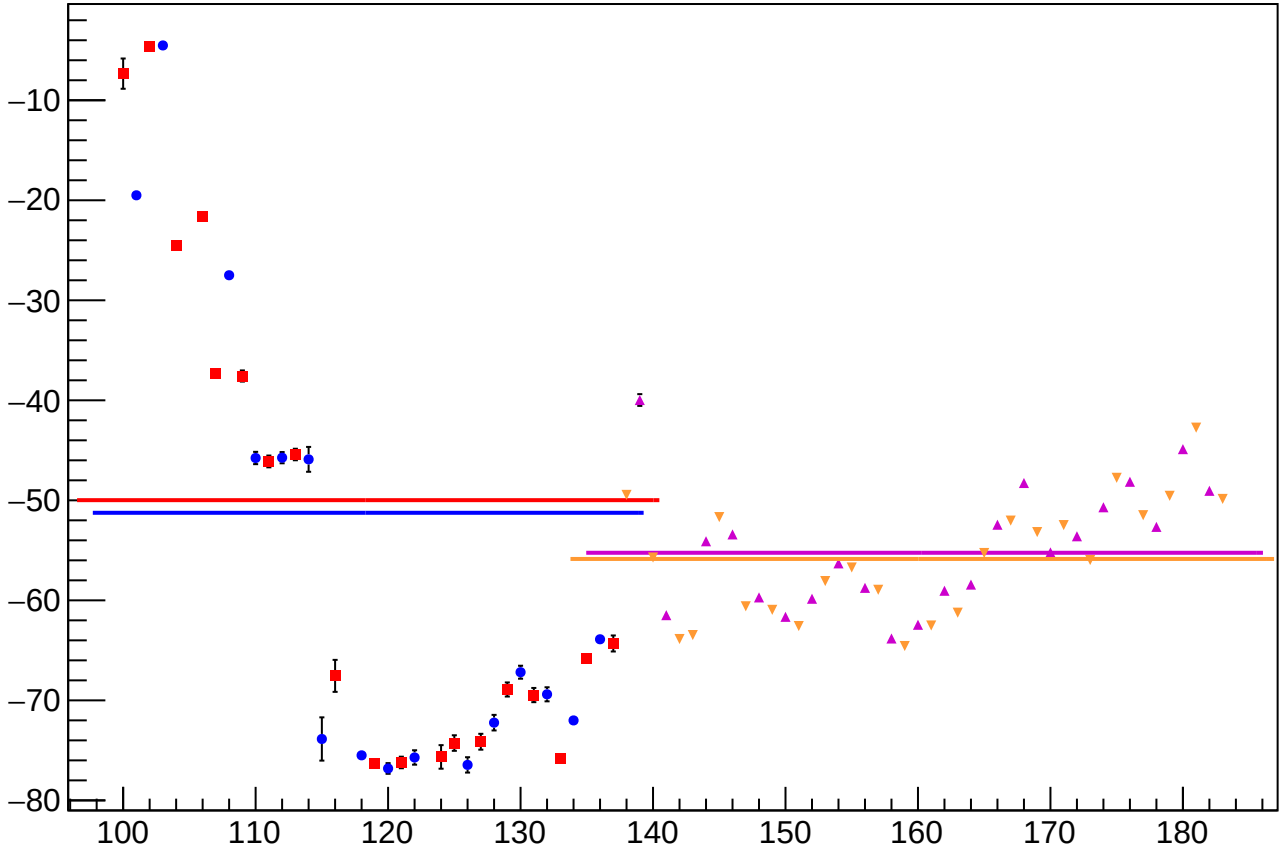
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 3.052+/-0.066 χ^2/NDF:22648.9/37

Out: 1.921+/-0.064 χ^2/NDF:28301.3/42

All: 2.469+/-0.046 χ^2/NDF: 51101.2/80

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: -55.862+/-0.067 χ^2/NDF:7580.8/23

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -55.243+/-0.069 χ^2/NDF:6337.0/21

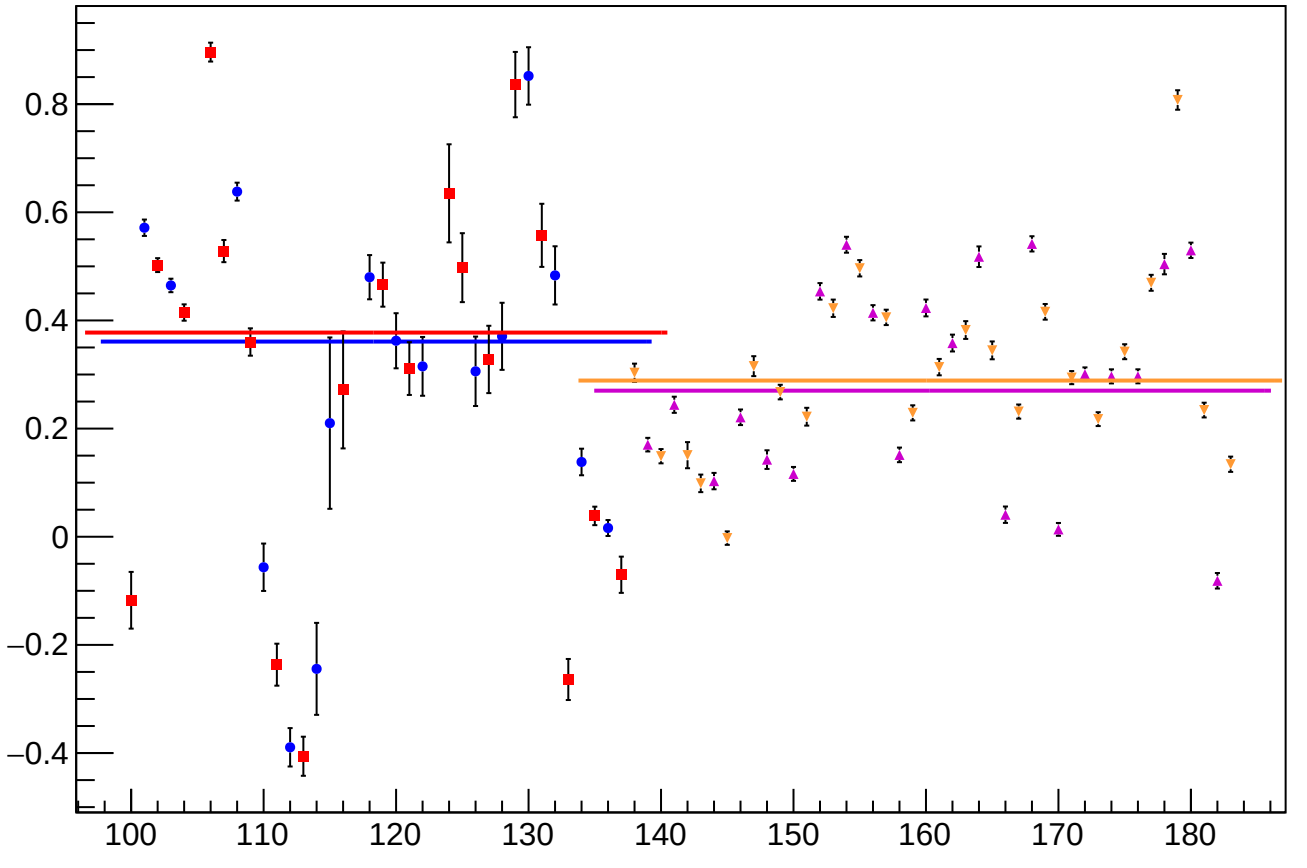
Left: -55.563+/-0.048 χ^2/NDF: 13959.0/45

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -54.418+/-0.062 χ^2/NDF:40790.3/37

Out: -54.640+/-0.060 χ^2/NDF:43076.6/42

All: -54.533+/-0.043 χ^2/NDF: 83873.6/80



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.289+/-0.003 χ^2/NDF:2498.0/23

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.270+/-0.003 χ^2/NDF:3522.8/21

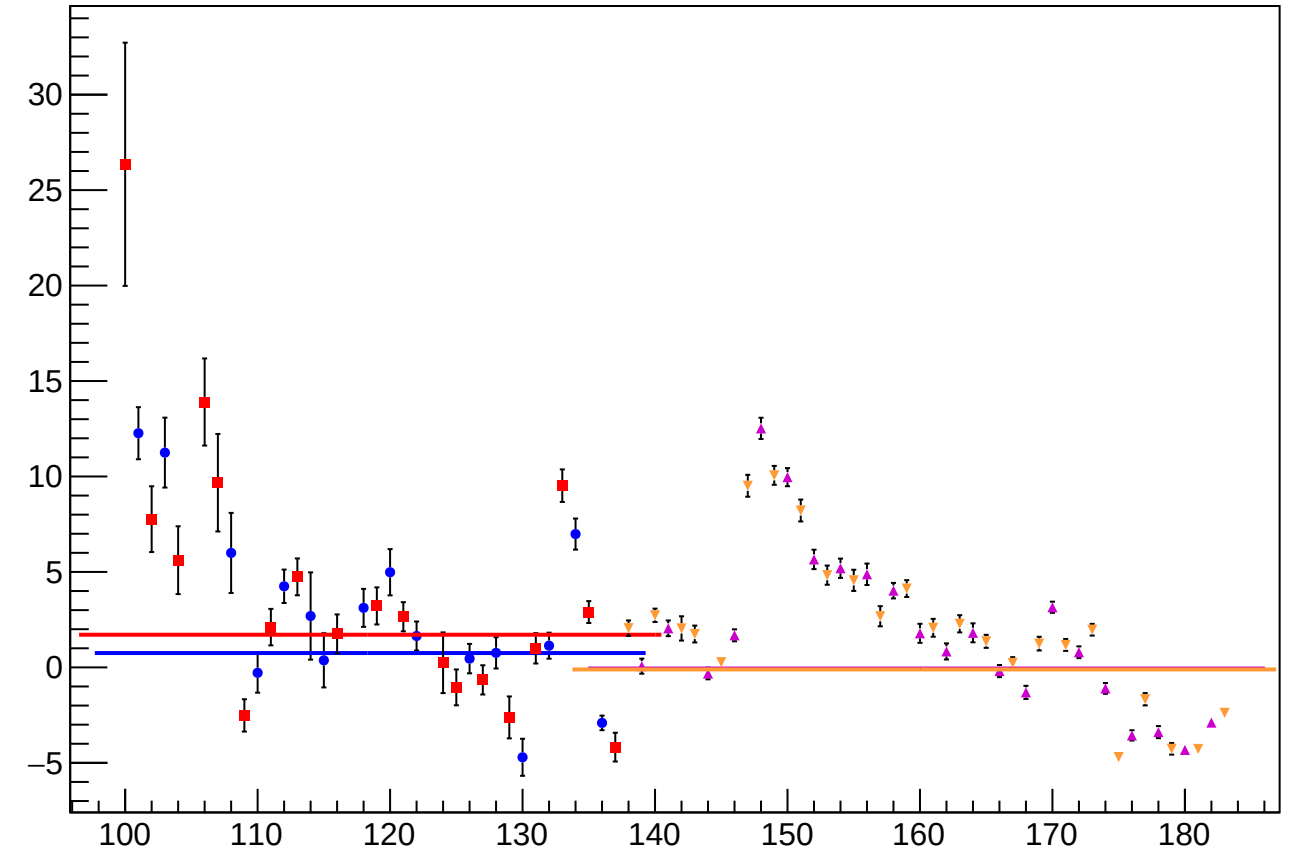
Left: 0.280+/-0.002 χ^2/NDF: 6039.8/45

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

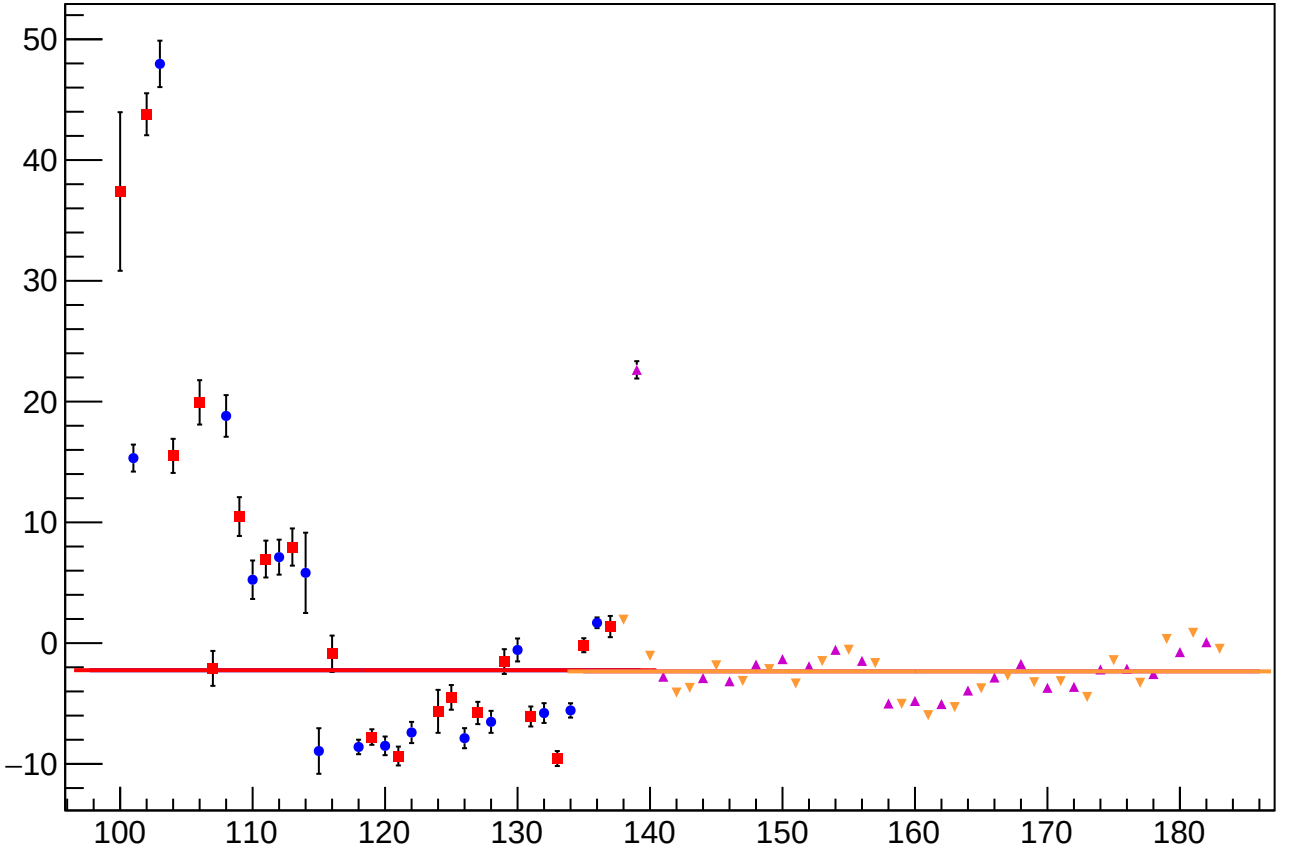
In: 0.287+/-0.003 χ^2/NDF:5548.1/37

Out: 0.306+/-0.003 χ^2/NDF:5457.9/42

All: 0.297+/-0.002 χ^2/NDF: 11030.3/80


reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
180
Right In: 0.752+/-0.212 χ²/NDF: 330.1/15
Left Out: -0.107+/-0.070 χ²/NDF:2638.5/23
Right Out: 1.710+/-0.223 χ²/NDF: 293.8/18
Left In: -0.059+/-0.072 χ²/NDF:2462.2/21
Left: -0.084+/-0.050 χ²/NDF: 5100.9/45
Right: 1.208+/-0.154 χ²/NDF: 633.6/34
In: 0.024+/-0.068 χ²/NDF:2805.4/37
Out: 0.054+/-0.066 χ²/NDF:2993.0/42
All: 0.040+/-0.048 χ²/NDF: 5798.4/80

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: -2.339+/-0.056 χ^2/NDF:1123.2/23

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: -2.338+/-0.040 χ^2/NDF: 2916.0/45

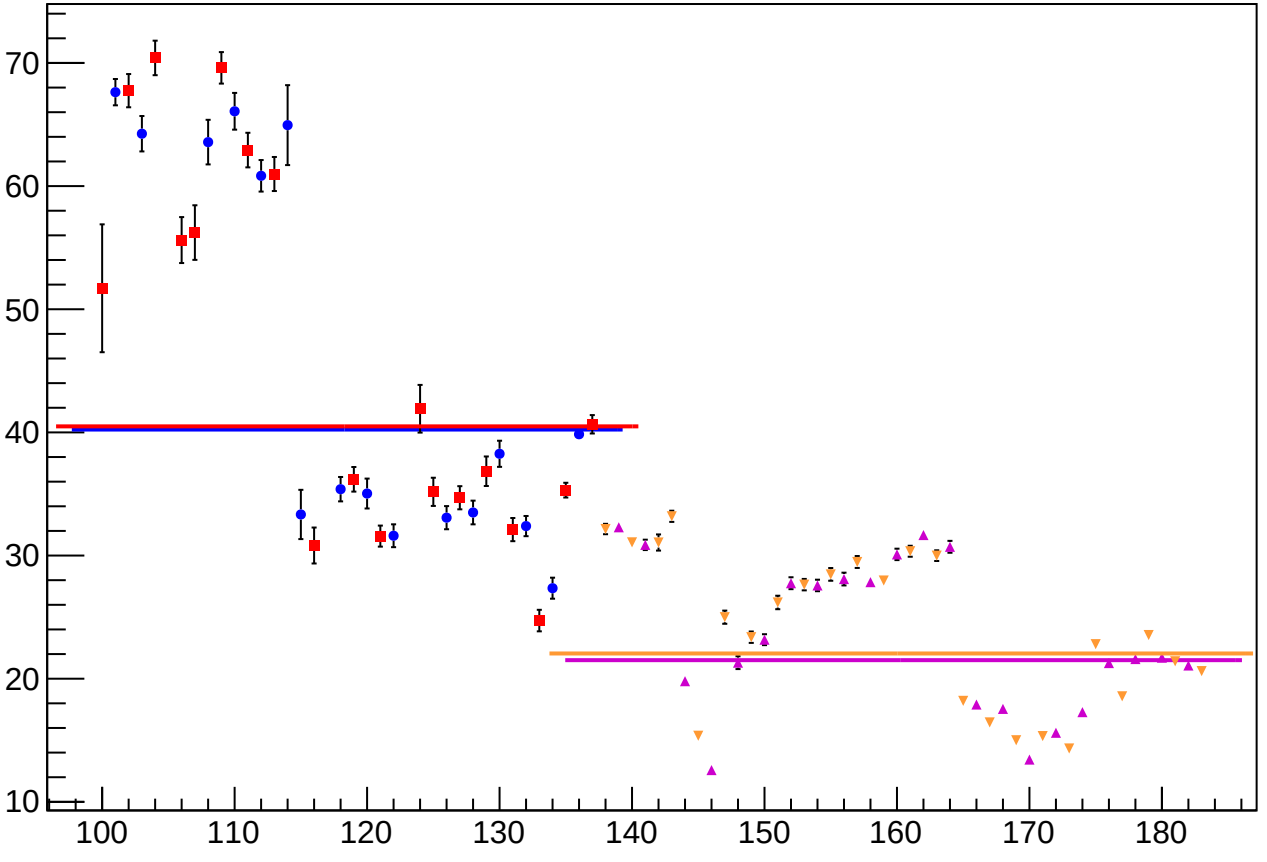
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.331+/-0.055 χ^2/NDF:3365.5/37

Out: -2.333+/-0.054 χ^2/NDF:2679.0/42

All: -2.332+/-0.039 χ^2/NDF: 6044.5/80

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: 22.048+/-0.070 χ^2/NDF:6211.2/23

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.506+/-0.072 χ^2/NDF:5780.4/21

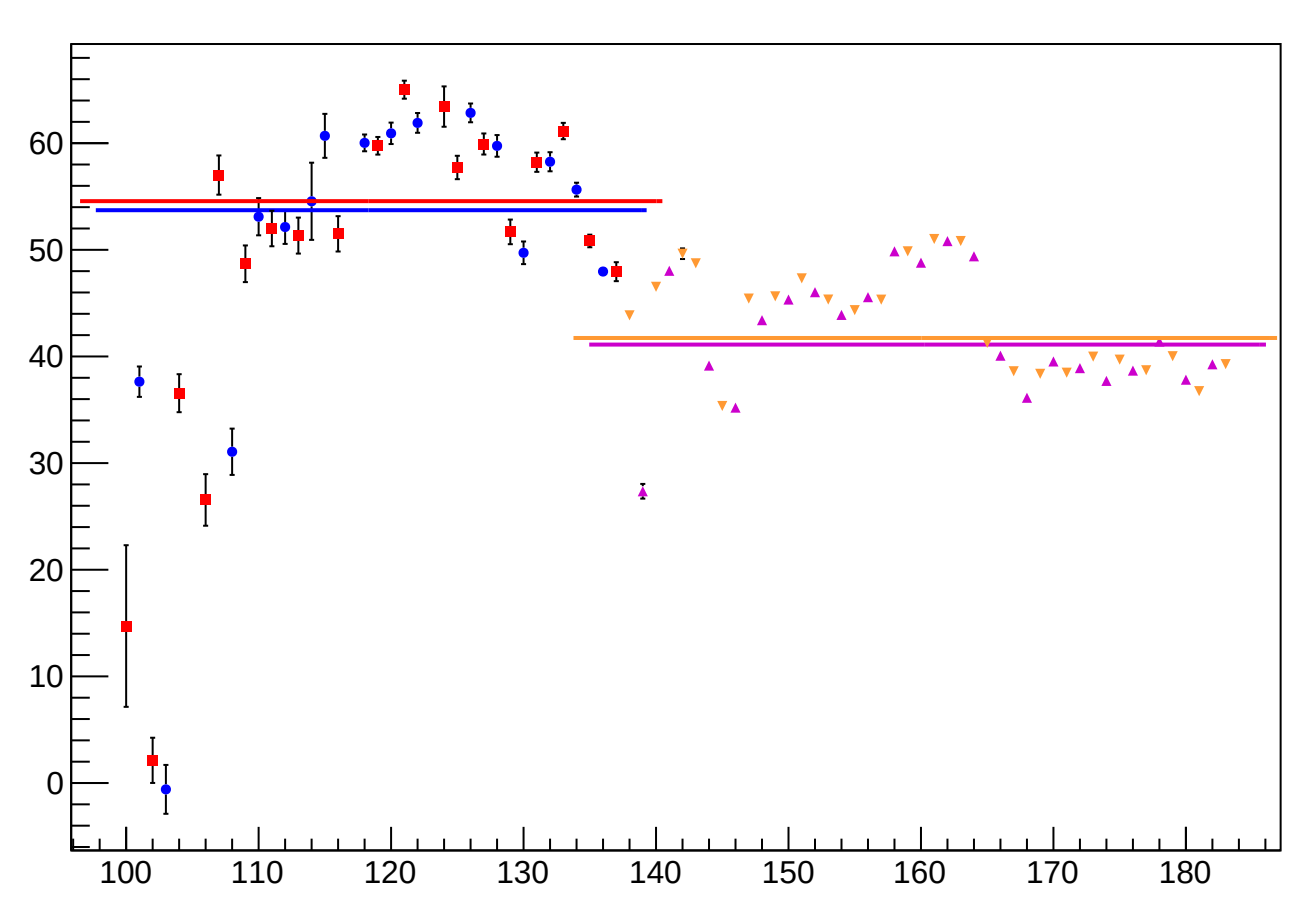
Left: 21.784+/-0.050 χ^2/NDF: 12020.9/45

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 23.148+/-0.069 χ^2/NDF:14044.3/37

Out: 23.378+/-0.067 χ^2/NDF:13941.1/42

All: 23.265+/-0.048 χ^2/NDF: 27991.1/80



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 41.733+/-0.062 χ^2/NDF:5641.4/23

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: 41.430+/-0.044 χ^2/NDF: 11165.3/45

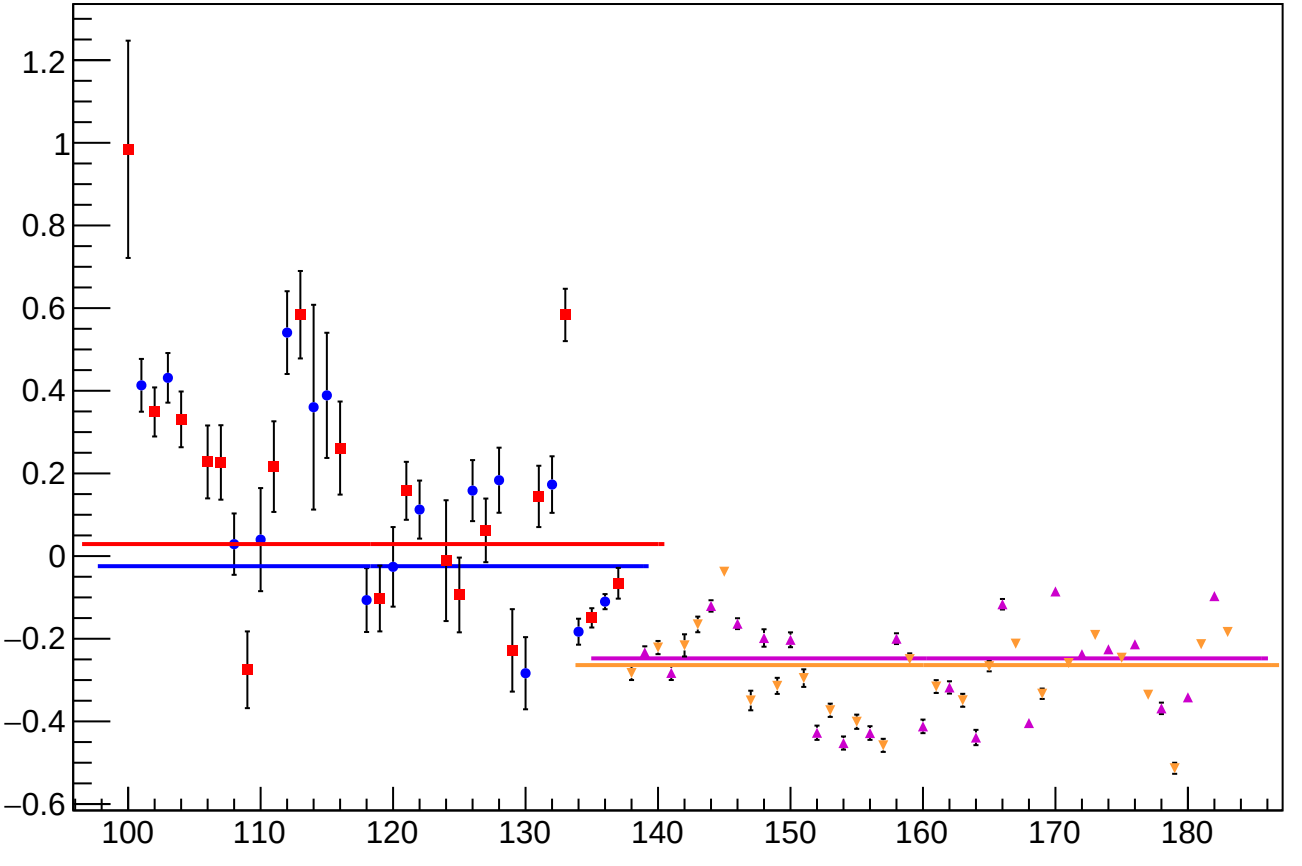
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 41.944+/-0.061 χ^2/NDF:9434.6/37

Out: 42.445+/-0.060 χ^2/NDF:9354.6/42

All: 42.199+/-0.043 χ^2/NDF: 18823.0/80

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.264+/-0.003 χ^2/NDF:1376.0/23

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: -0.256+/-0.002 χ^2/NDF: 3111.6/45

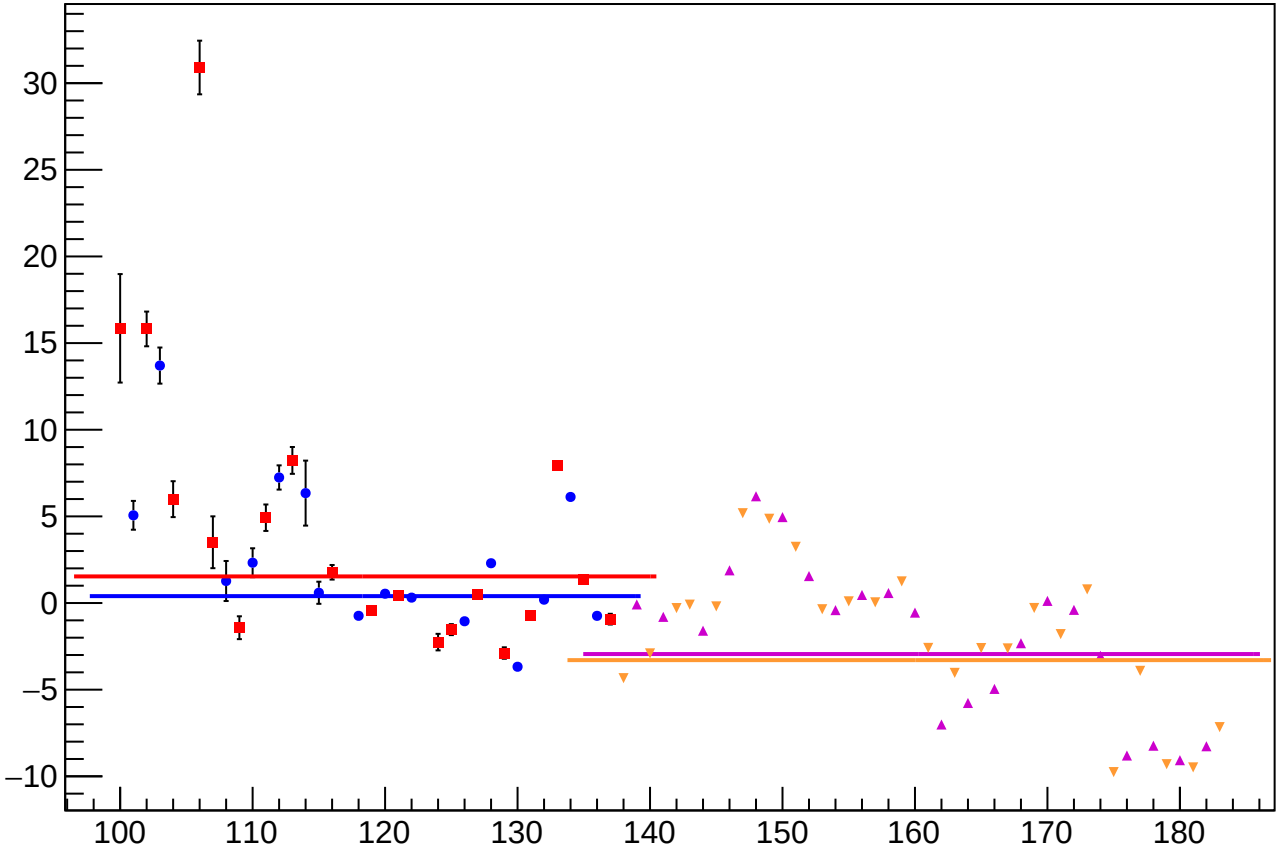
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.237+/-0.003 χ^2/NDF:2238.1/37

Out: -0.253+/-0.003 χ^2/NDF:2059.5/42

All: -0.245+/-0.002 χ^2/NDF: 4314.4/80

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: -3.296+/-0.028 χ^2/NDF:23937.4/23

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -2.944+/-0.029 χ^2/NDF:22272.0/21

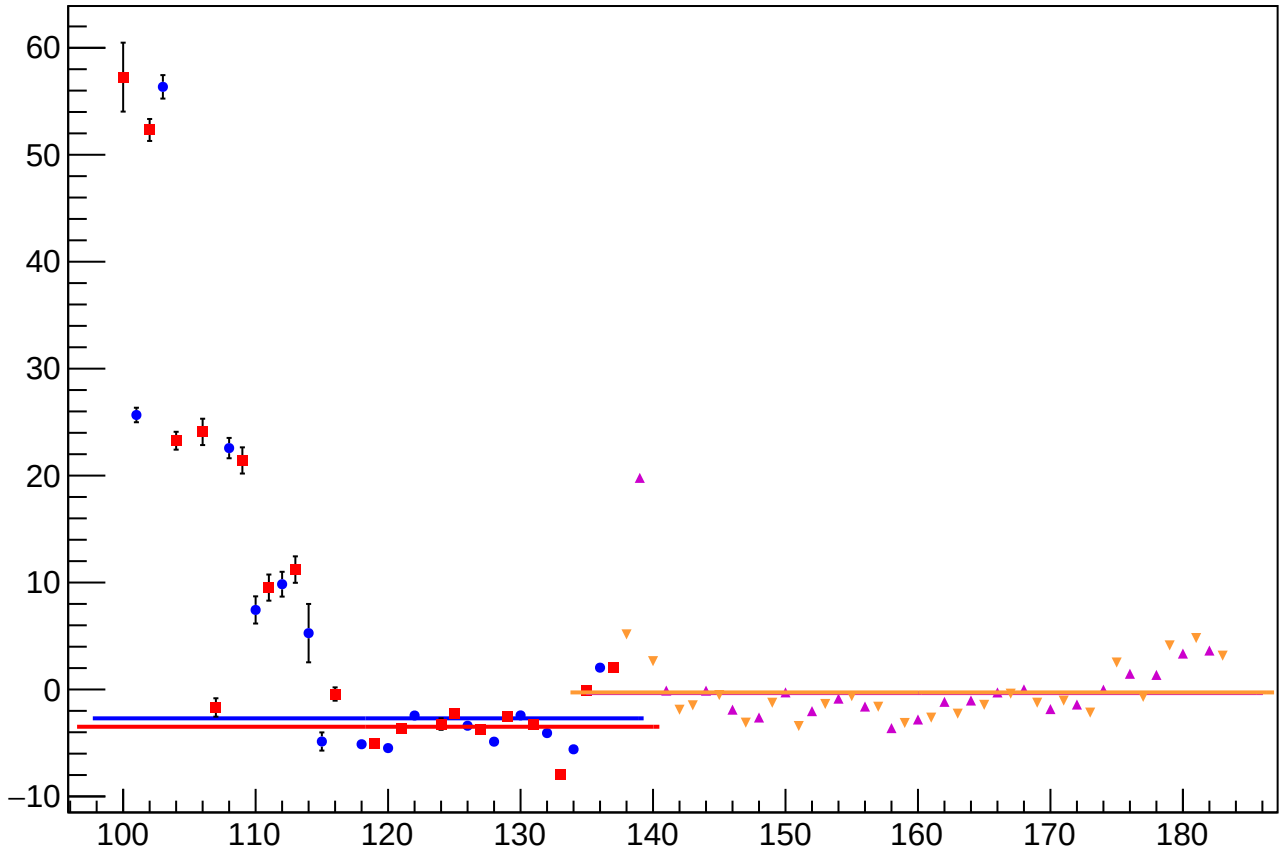
Left: -3.125+/-0.020 χ^2/NDF: 46286.0/45

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: -2.534+/-0.027 χ^2/NDF:25019.2/37

Out: -2.746+/-0.026 χ^2/NDF:29733.1/42

All: -2.642+/-0.019 χ^2/NDF: 54783.8/80



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.275+/-0.022 χ^2/NDF:12179.8/23

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: -0.306+/-0.016 χ^2/NDF: 24855.2/45

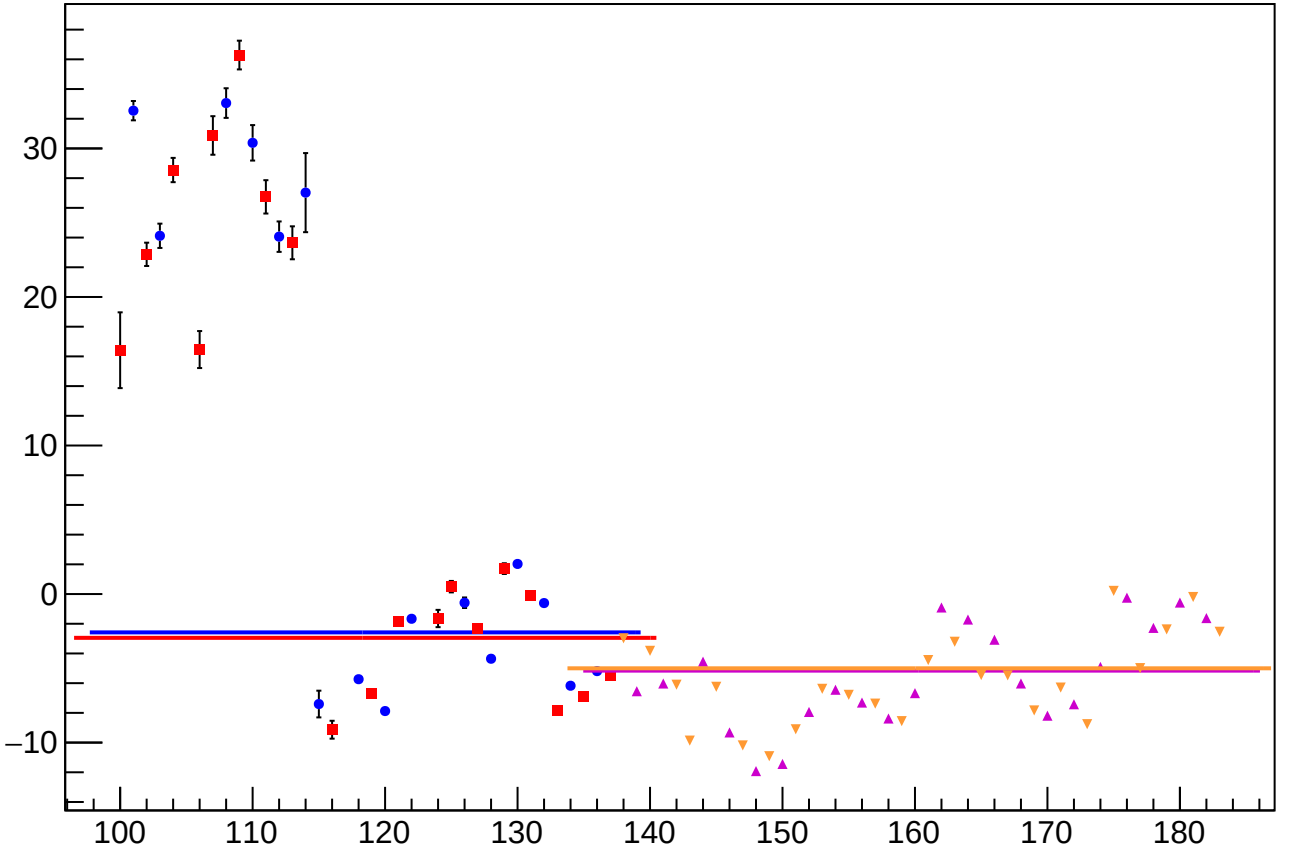
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -0.555+/-0.021 χ^2/NDF:20787.3/37

Out: -0.558+/-0.021 χ^2/NDF:21211.8/42

All: -0.556+/-0.015 χ^2/NDF: 41999.1/80

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -5.000+/-0.028 χ^2/NDF:13363.9/23

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -5.155+/-0.029 χ^2/NDF:13938.0/21

Left: -5.076+/-0.020 χ^2/NDF: 27316.9/45

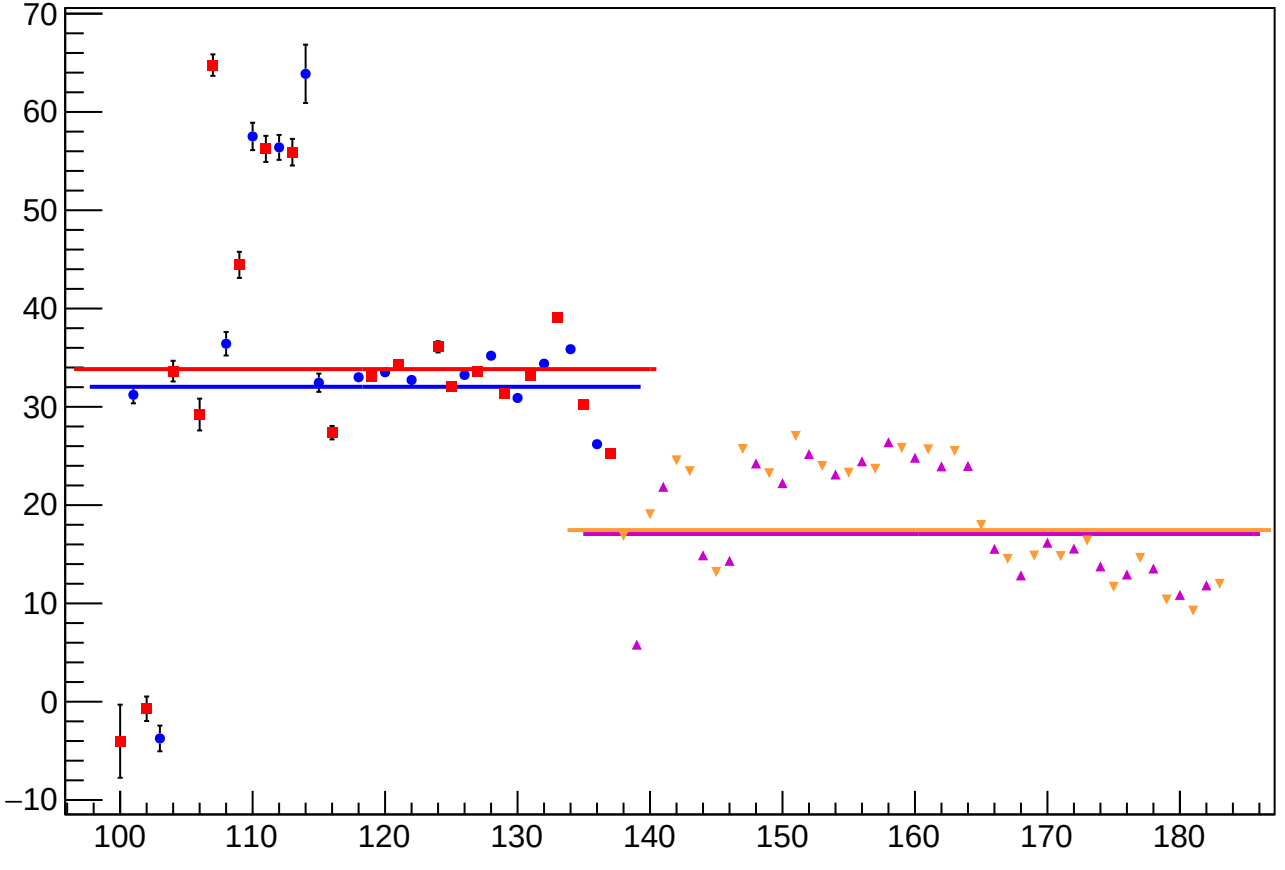
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -4.880+/-0.027 χ^2/NDF:22954.6/37

Out: -4.798+/-0.027 χ^2/NDF:22086.4/42

All: -4.838+/-0.019 χ^2/NDF: 45045.7/80

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: 17.459+/-0.025 χ^2/NDF:50417.9/23

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 17.062+/-0.025 χ^2/NDF:39158.7/21

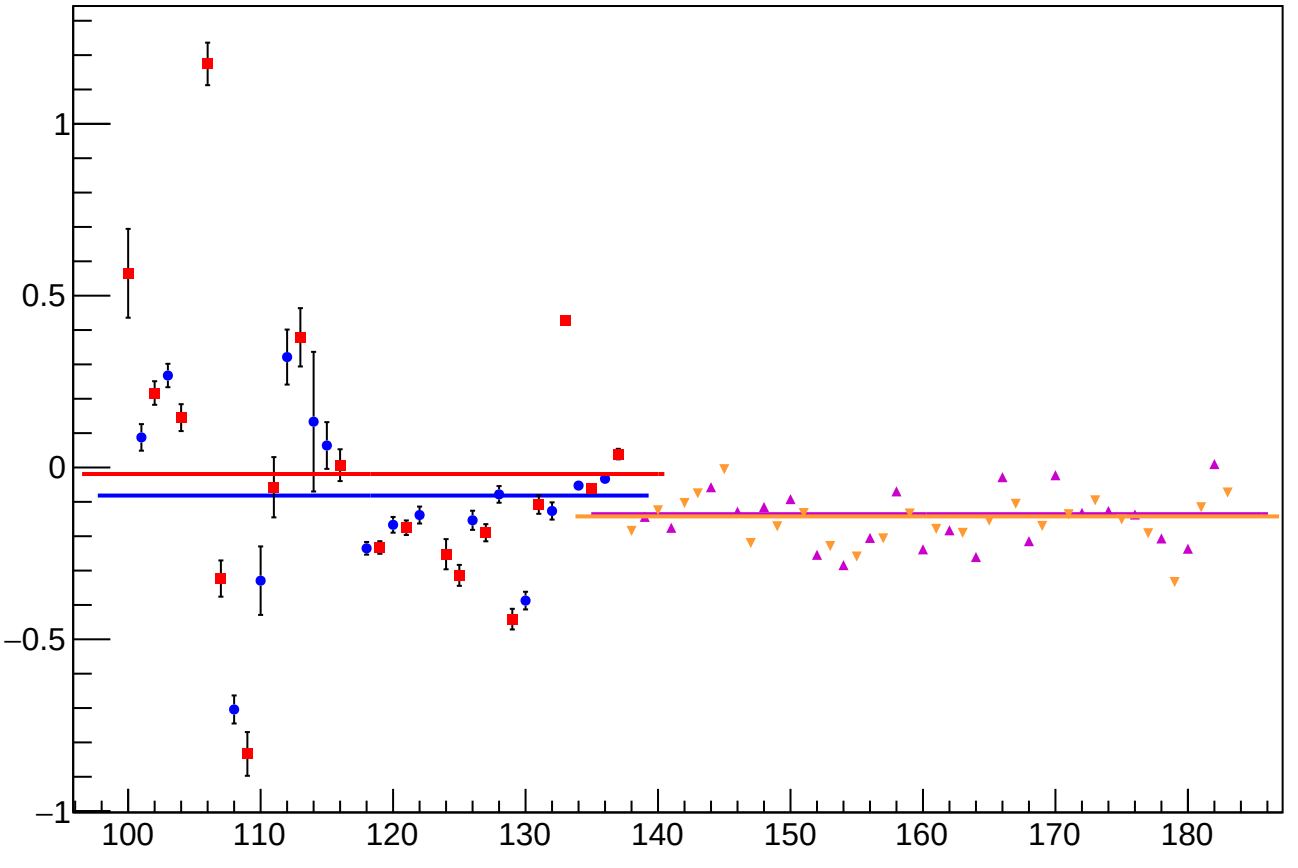
Left: 17.265+/-0.018 χ^2/NDF: 89703.2/45

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 18.378+/-0.024 χ^2/NDF:73373.3/37

Out: 18.832+/-0.024 χ^2/NDF:91546.2/42

All: 18.610+/-0.017 χ^2/NDF: 165100.3/80



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.142+/-0.001 χ^2/NDF:3874.1/23

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.136+/-0.001 χ^2/NDF:5062.3/21

Left: -0.139+/-0.001 χ^2/NDF: 8953.5/45

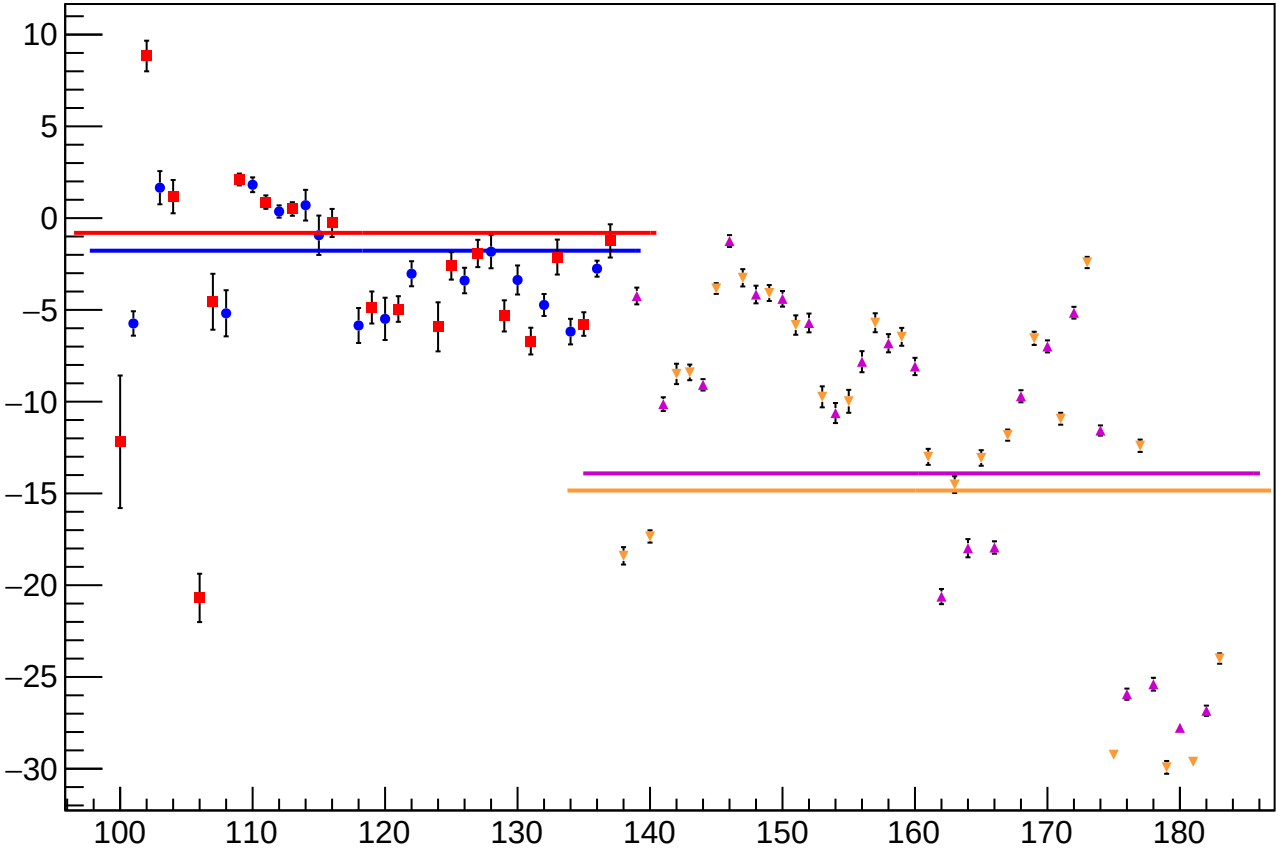
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.133+/-0.001 χ^2/NDF:5871.0/37

Out: -0.137+/-0.001 χ^2/NDF:6686.6/42

All: -0.135+/-0.001 χ^2/NDF: 12564.2/80

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: -14.841+/-0.076 χ^2/NDF:16170.4/23

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: -14.388+/-0.054 χ^2/NDF: 29596.5/45

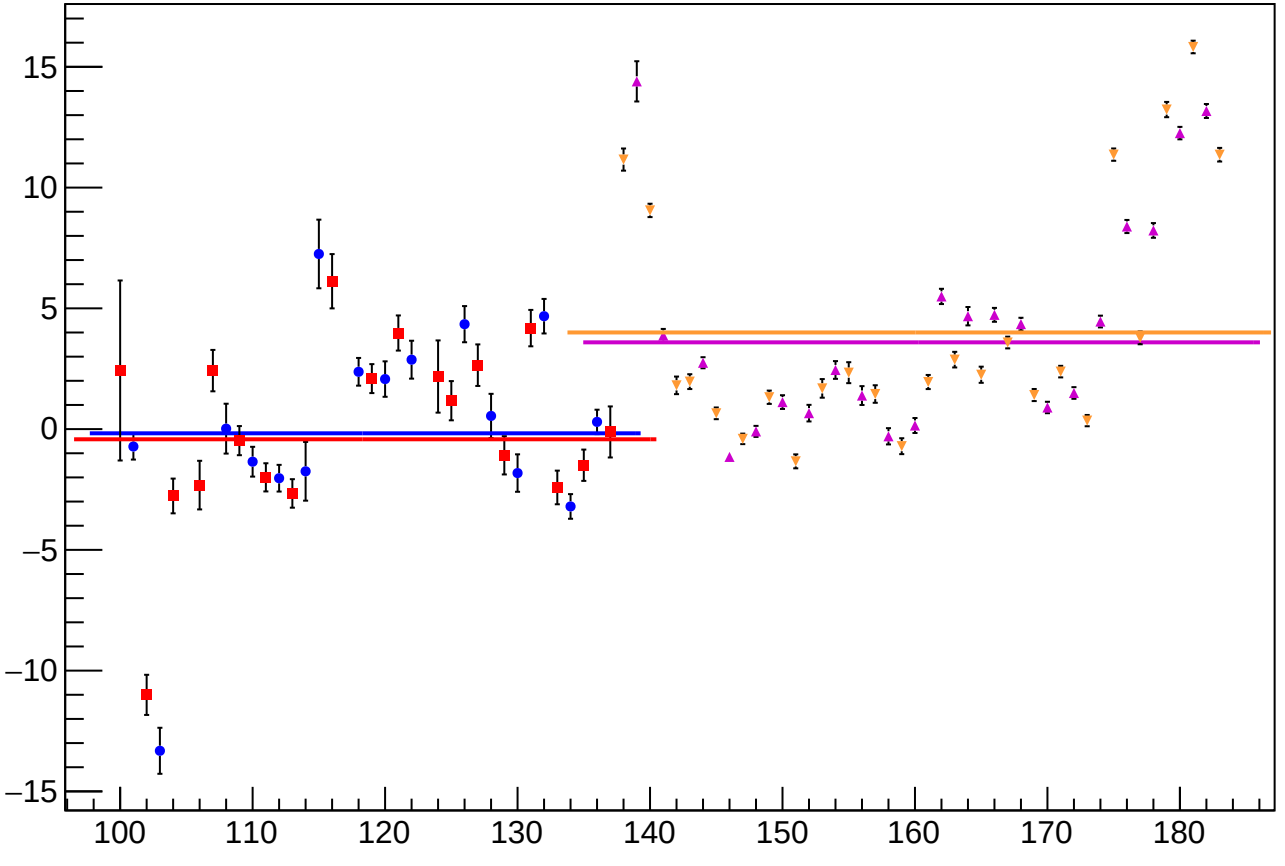
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -11.527+/-0.070 χ^2/NDF:18442.6/37

Out: -11.951+/-0.067 χ^2/NDF:24018.1/42

All: -11.746+/-0.048 χ^2/NDF: 42479.8/80

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 4.002+/-0.058 χ^2/NDF:6892.8/23

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: 3.802+/-0.042 χ^2/NDF: 11455.9/45

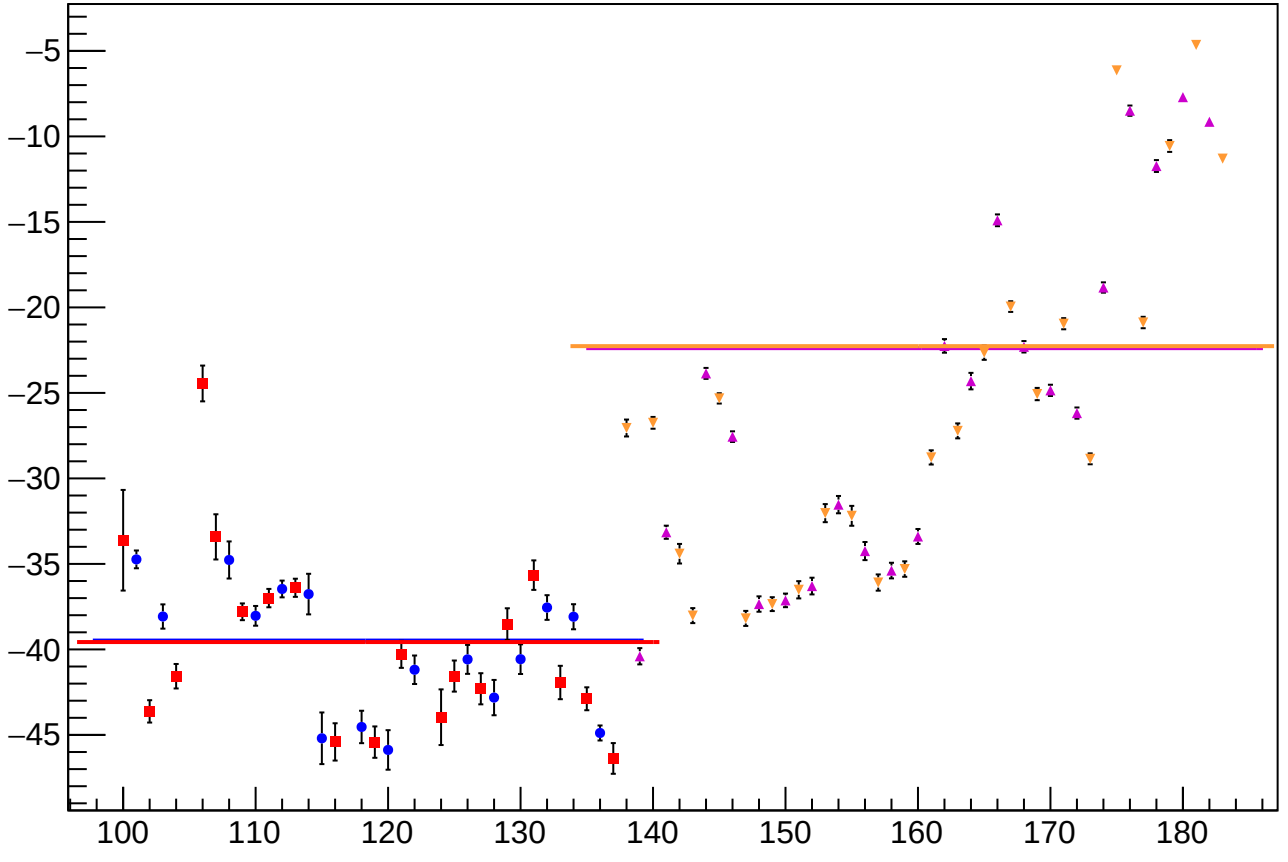
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 3.191+/-0.056 χ^2/NDF:5365.7/37

Out: 3.568+/-0.055 χ^2/NDF:7821.0/42

All: 3.383+/-0.040 χ^2/NDF: 13209.4/80

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -22.265+/-0.075 χ^2/NDF:19989.5/23

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: -22.322+/-0.054 χ^2/NDF: 37093.7/45

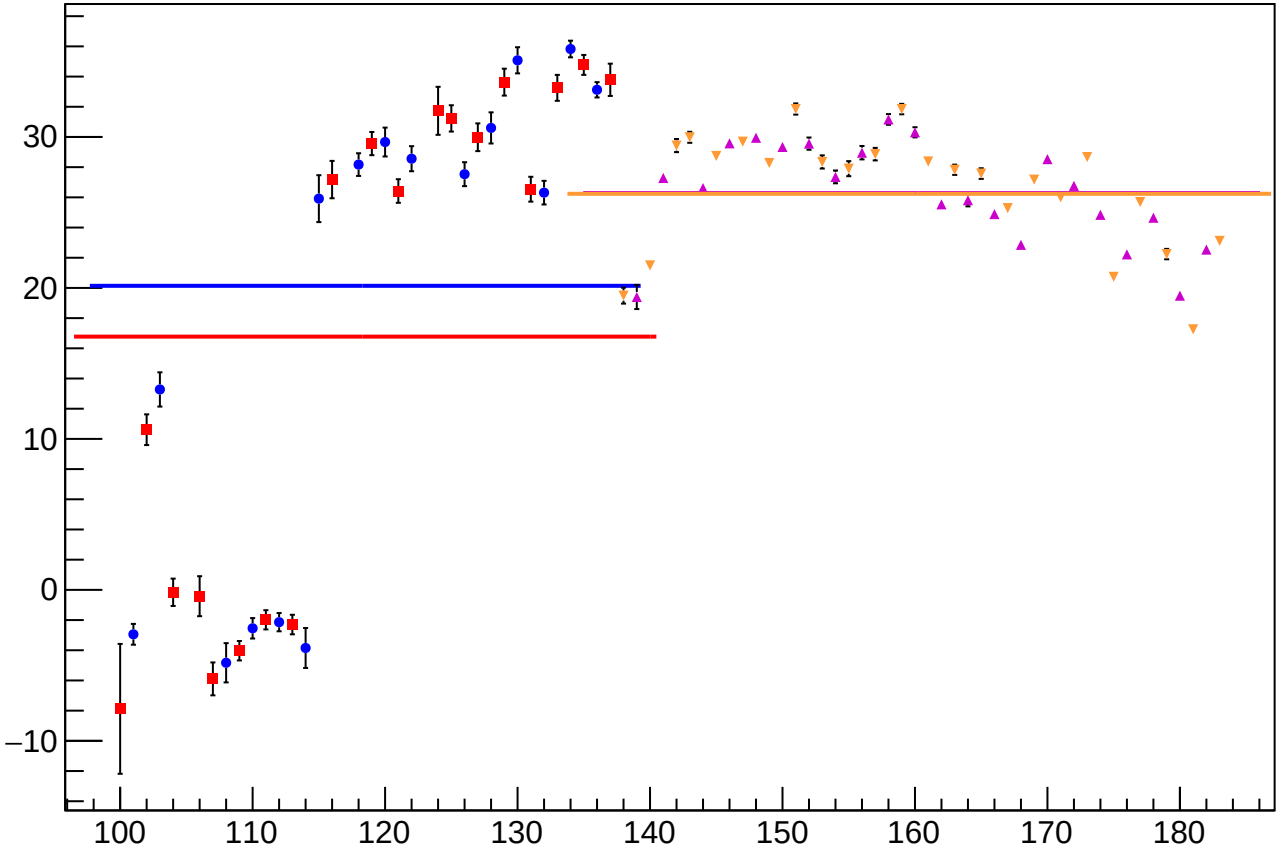
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -25.042+/-0.071 χ^2/NDF:25116.3/37

Out: -24.830+/-0.070 χ^2/NDF:28330.8/42

All: -24.933+/-0.050 χ^2/NDF: 53451.6/80

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: 26.235+/-0.066 χ^2/NDF:3261.7/23

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 26.286+/-0.067 χ^2/NDF:2185.2/21

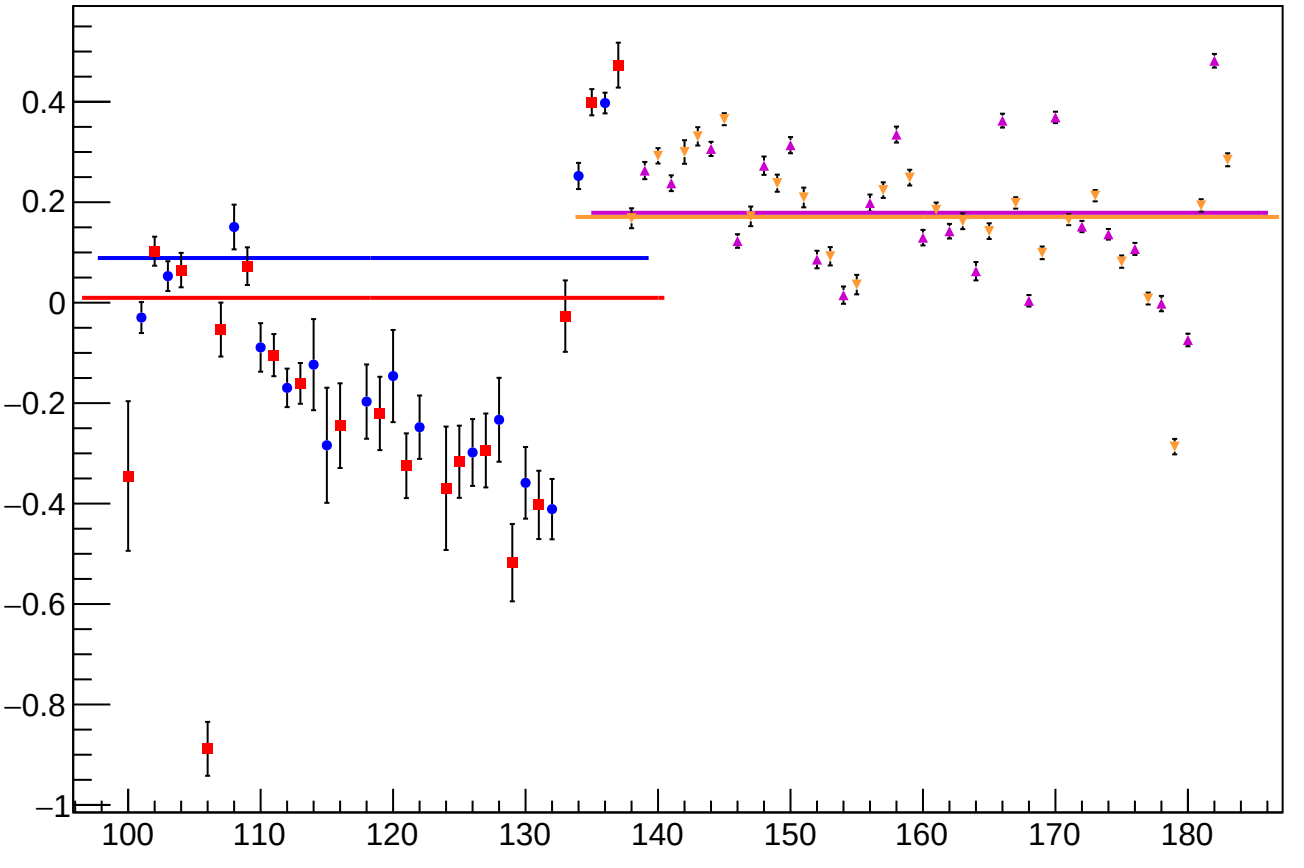
Left: 26.260+/-0.047 χ^2/NDF: 5447.1/45

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 25.632+/-0.063 χ^2/NDF:9760.1/37

Out: 25.312+/-0.062 χ^2/NDF:12025.7/42

All: 25.469+/-0.045 χ^2/NDF: 21798.8/80



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.171+/-0.003 χ^2/NDF:1817.6/23

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.179+/-0.003 χ^2/NDF:2292.4/21

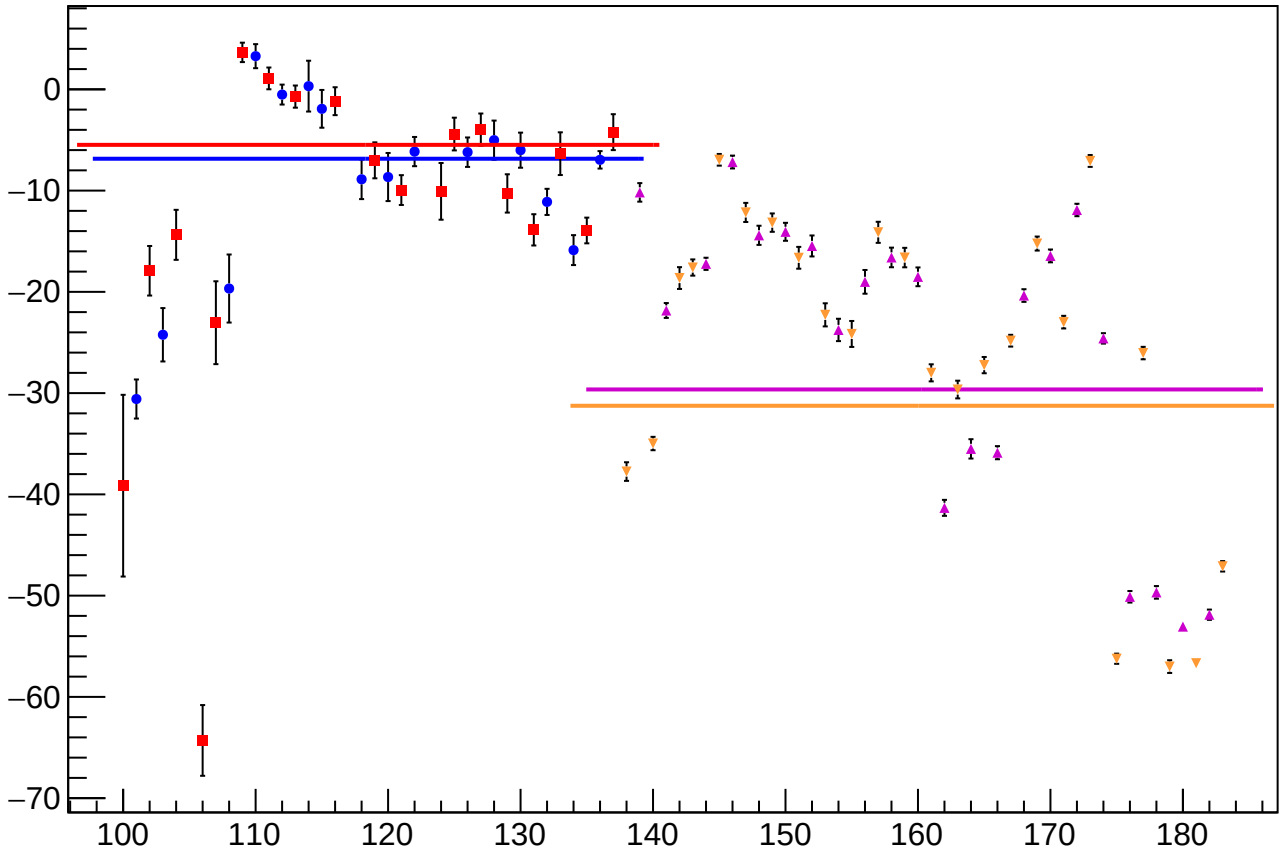
Left: 0.175+/-0.002 χ^2/NDF: 4113.9/45

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.172+/-0.003 χ^2/NDF:2925.4/37

Out: 0.160+/-0.003 χ^2/NDF:2851.7/42

All: 0.166+/-0.002 χ^2/NDF: 5786.1/80



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -31.250+/-0.144 χ^2/NDF:15041.3/23

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: -30.467+/-0.103 χ^2/NDF: 27022.7/45

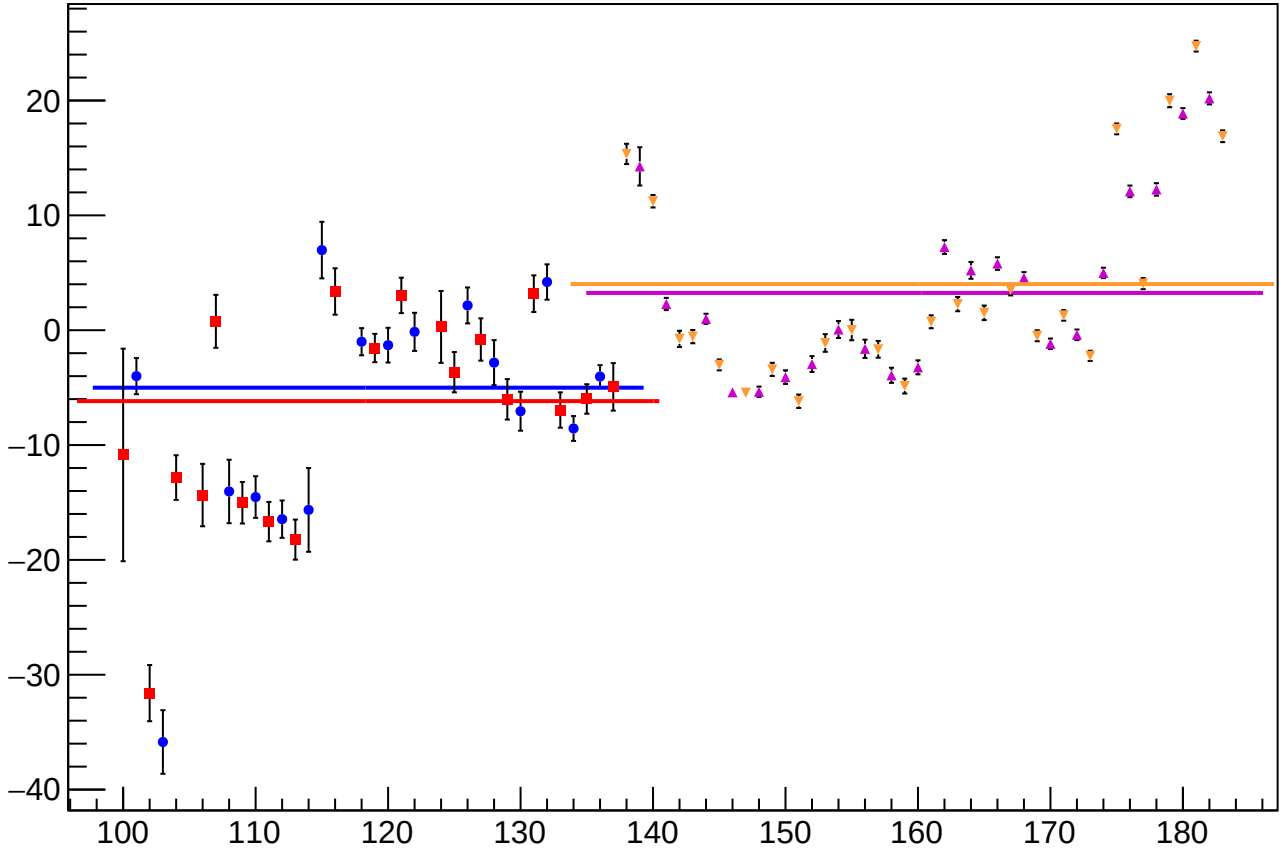
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -26.578+/-0.138 χ^2/NDF:15496.0/37

Out: -27.859+/-0.134 χ^2/NDF:19882.4/42

All: -27.236+/-0.096 χ^2/NDF: 35422.9/80

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: 4.018+/-0.112 χ^2/NDF:6448.3/23

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: 3.245+/-0.115 χ^2/NDF:4476.7/21

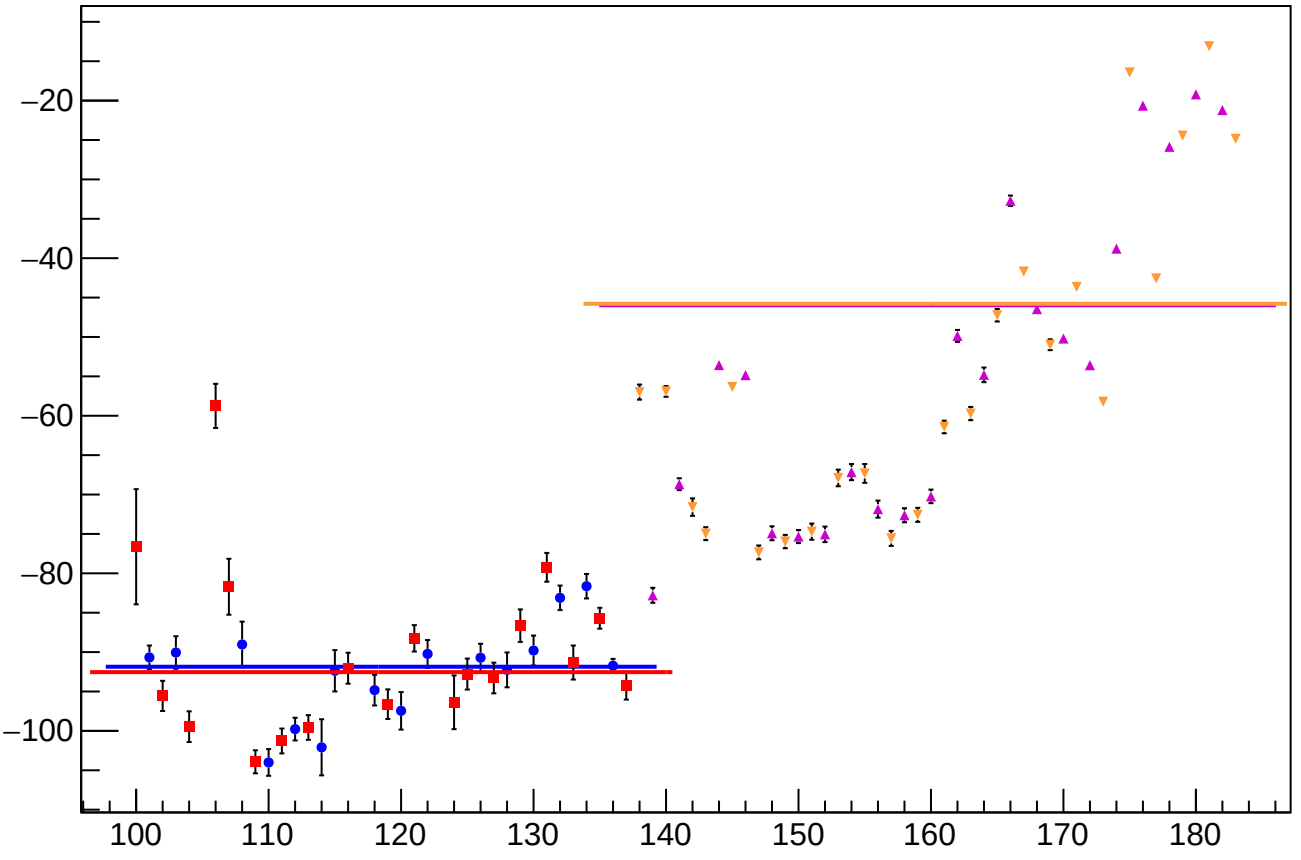
Left: 3.639+/-0.080 χ^2/NDF: 10948.3/45

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: 2.606+/-0.110 χ^2/NDF:5220.2/37

Out: 3.329+/-0.108 χ^2/NDF:7375.6/42

All: 2.973+/-0.077 χ^2/NDF: 12617.7/80



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -45.786+/-0.144 χ^2/NDF:21128.5/23

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: -45.880+/-0.103 χ^2/NDF: 39008.8/45

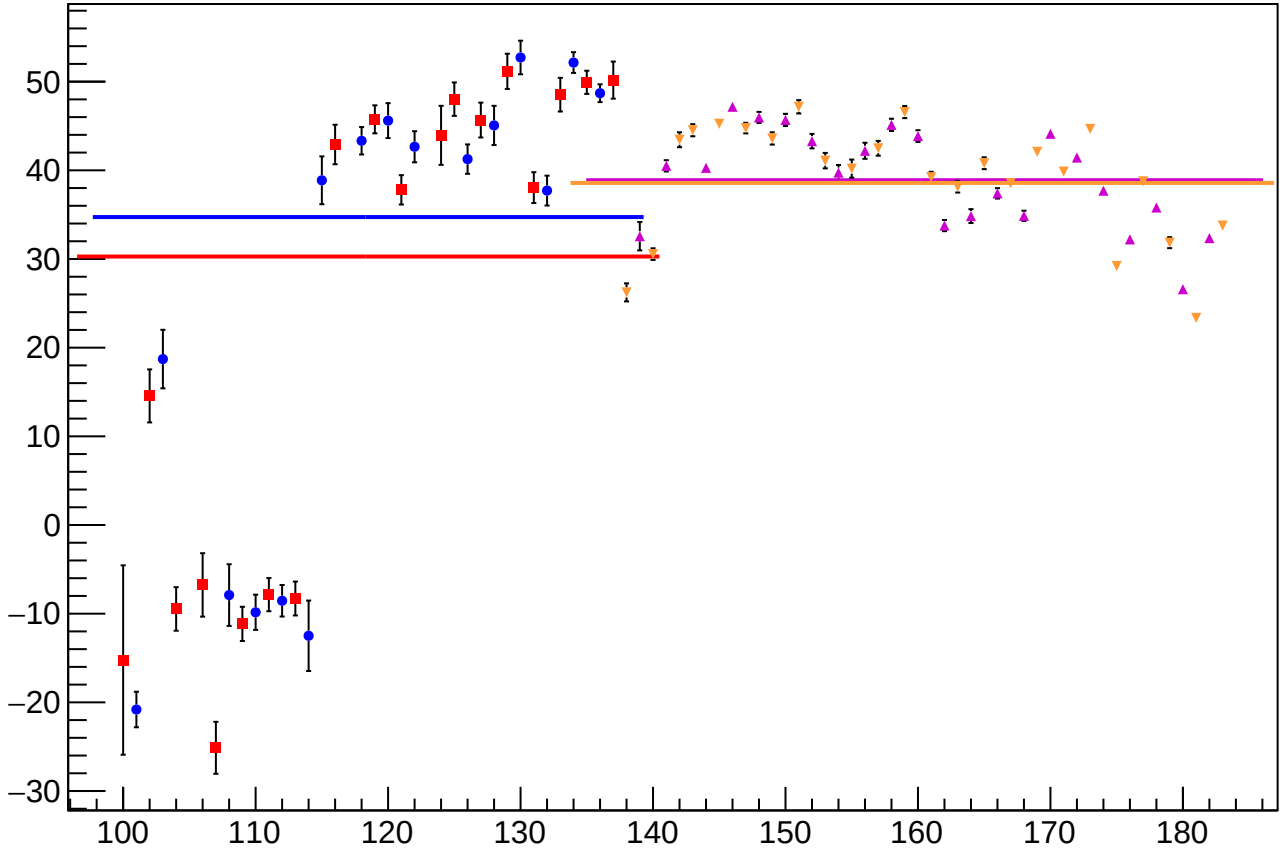
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -50.937+/-0.139 χ^2/NDF:28496.9/37

Out: -50.315+/-0.137 χ^2/NDF:31750.3/42

All: -50.620+/-0.098 χ^2/NDF: 60257.3/80

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 38.577+/-0.126 χ^2/NDF:2707.0/23

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: 38.727+/-0.090 χ^2/NDF: 4679.8/45

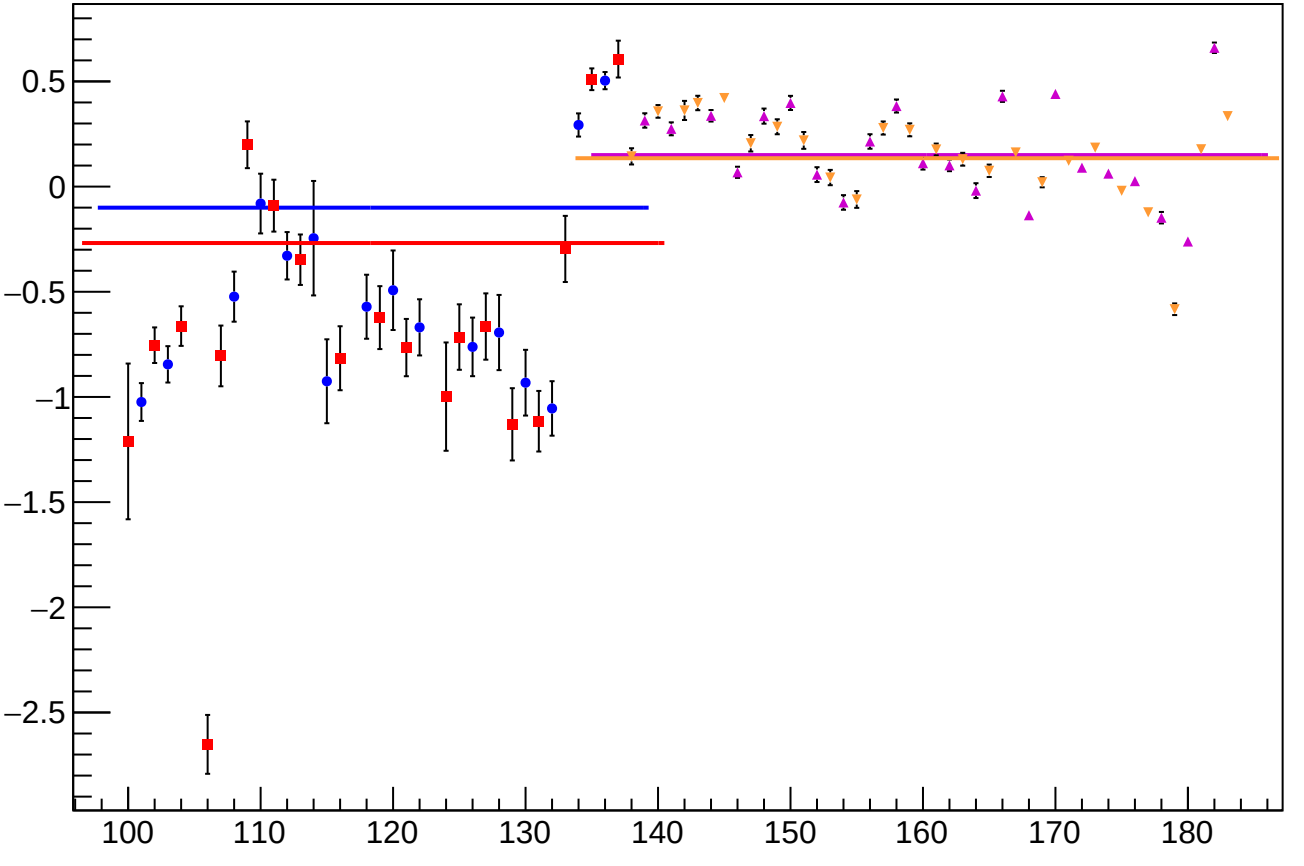
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 38.559+/-0.123 χ^2/NDF:4860.4/37

Out: 38.016+/-0.121 χ^2/NDF:5912.5/42

All: 38.283+/-0.087 χ^2/NDF: 10782.7/80

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.135+/-0.006 χ^2/NDF:1351.9/23

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: 0.142+/-0.004 χ^2/NDF: 3053.4/45

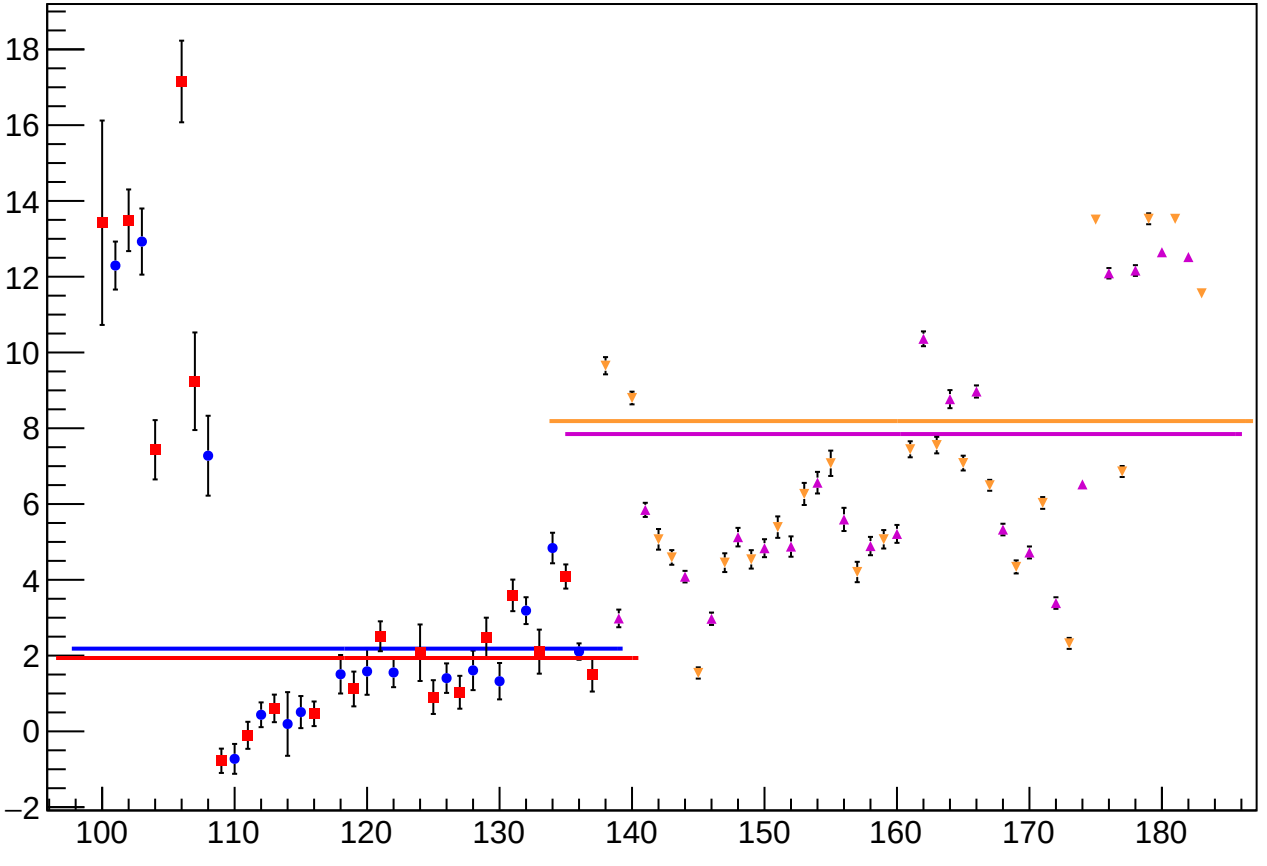
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.136+/-0.006 χ^2/NDF:2432.0/37

Out: 0.117+/-0.006 χ^2/NDF:2398.3/42

All: 0.127+/-0.004 χ^2/NDF: 4836.2/80

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: 8.189+/-0.035 χ^2/NDF:13054.1/23

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 7.847+/-0.036 χ^2/NDF:9925.2/21

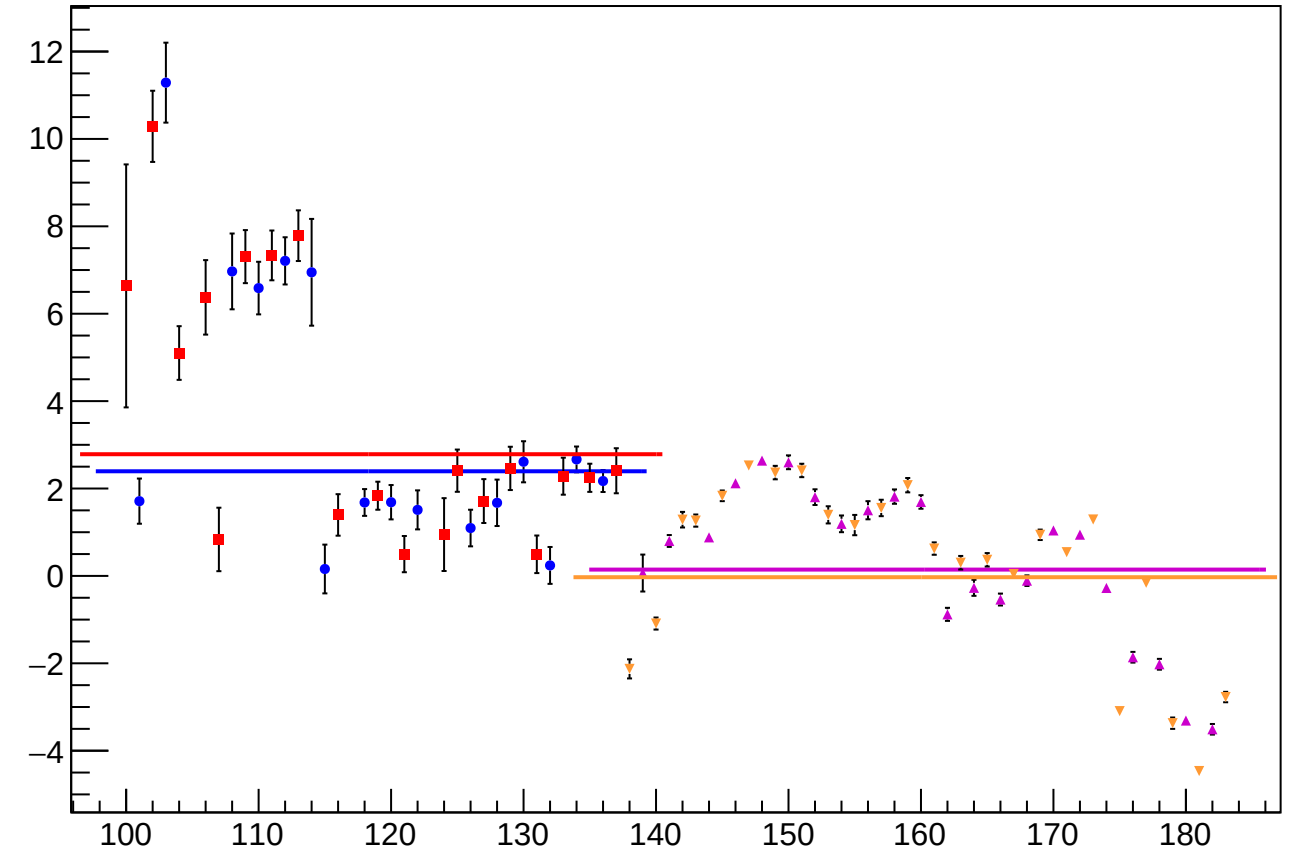
Left: 8.024+/-0.025 χ^2/NDF: 23025.2/45

Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 7.243+/-0.034 χ^2/NDF:13124.2/37

Out: 7.565+/-0.033 χ^2/NDF:16934.8/42

All: 7.409+/-0.024 χ^2/NDF: 30104.4/80



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: -0.030+/-0.028 χ^2/NDF:5663.7/23

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: 0.056+/-0.020 χ^2/NDF: 9948.2/45

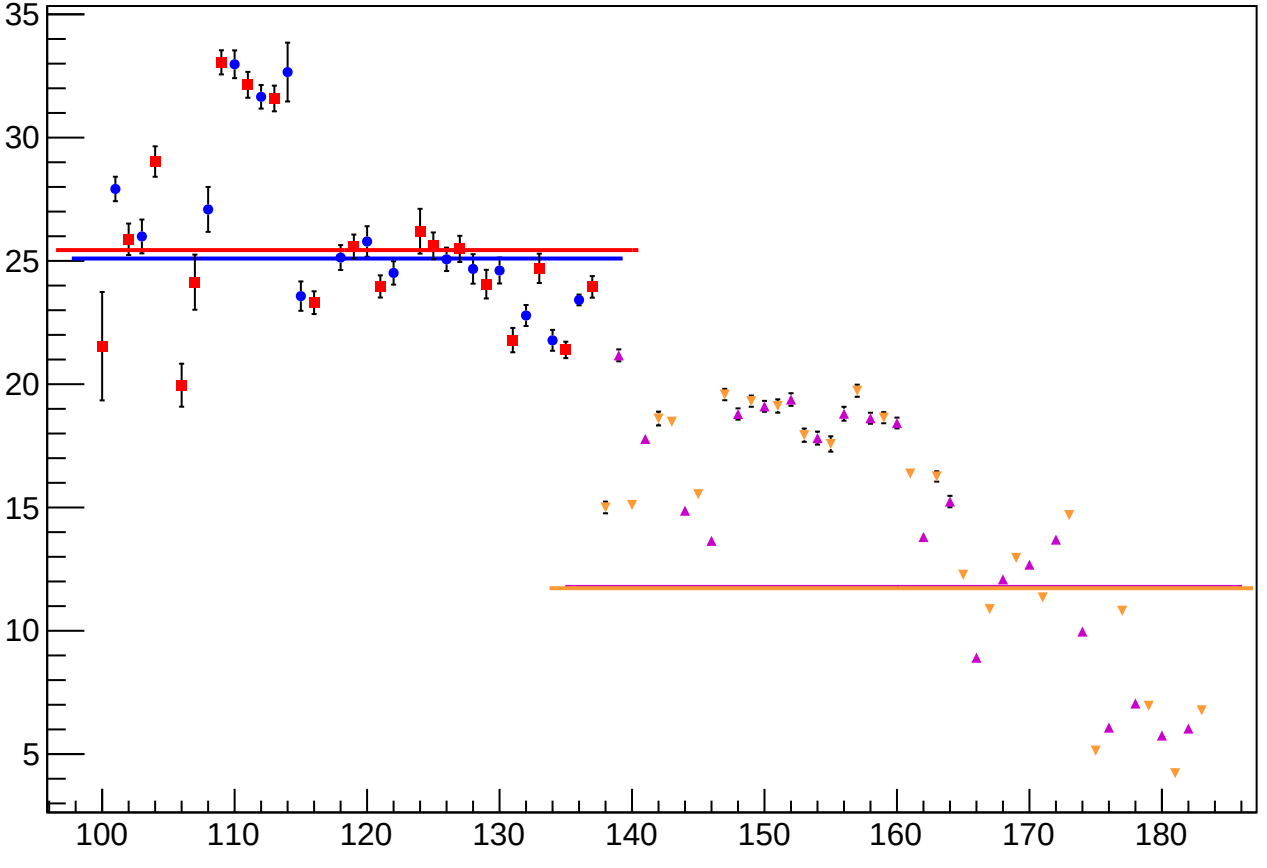
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 0.289+/-0.027 χ^2/NDF:5002.6/37

Out: 0.123+/-0.027 χ^2/NDF:6632.5/42

All: 0.205+/-0.019 χ^2/NDF: 11653.7/80

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 11.727+/-0.035 χ^2/NDF:21264.9/23

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 11.779+/-0.036 χ^2/NDF:17937.9/21

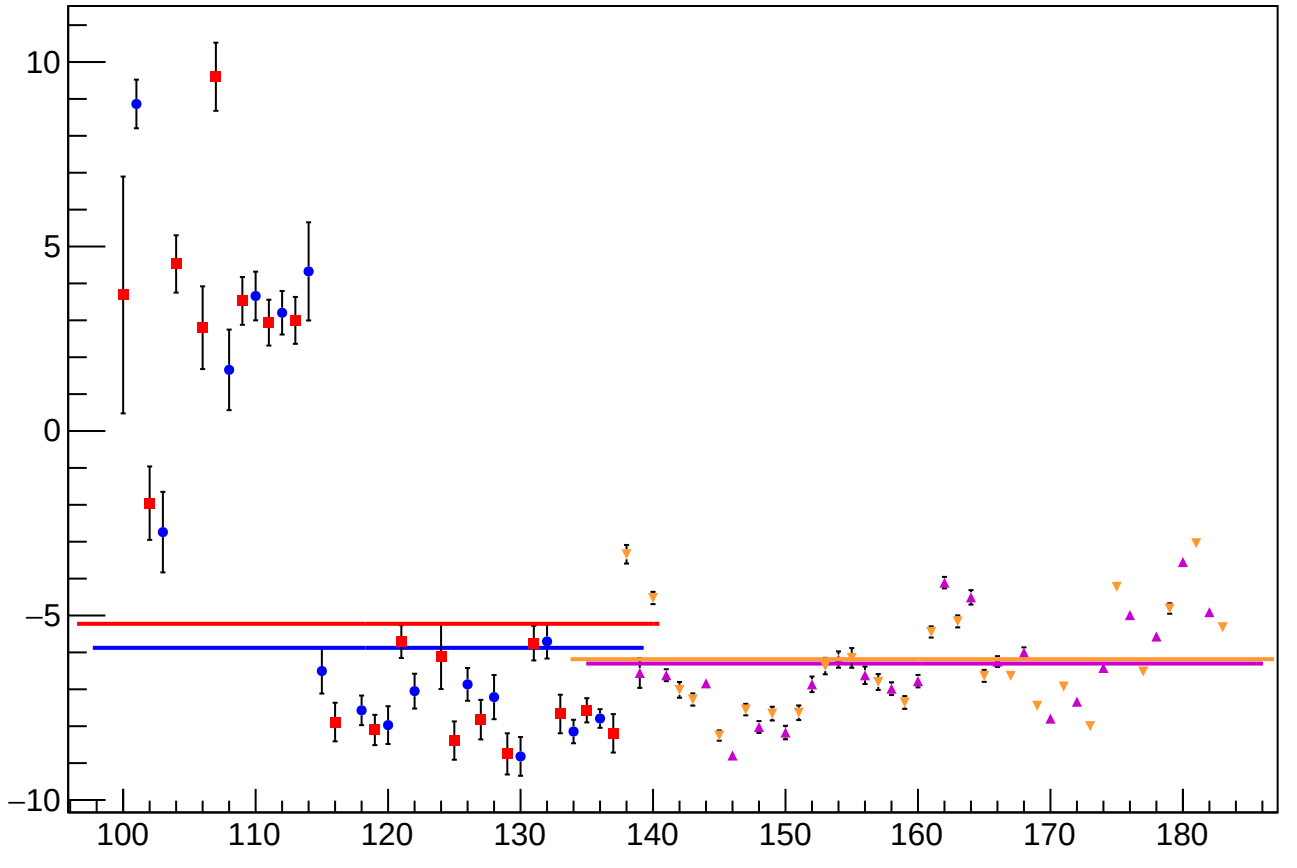
Left: 11.752+/-0.025 χ^2/NDF: 39203.8/45

Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 12.936+/-0.035 χ^2/NDF:30283.3/37

Out: 12.750+/-0.034 χ^2/NDF:33452.6/42

All: 12.841+/-0.024 χ^2/NDF: 63750.5/80



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.183+/-0.031 χ^2/NDF:2342.1/23

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: -6.242+/-0.022 χ^2/NDF: 4375.9/45

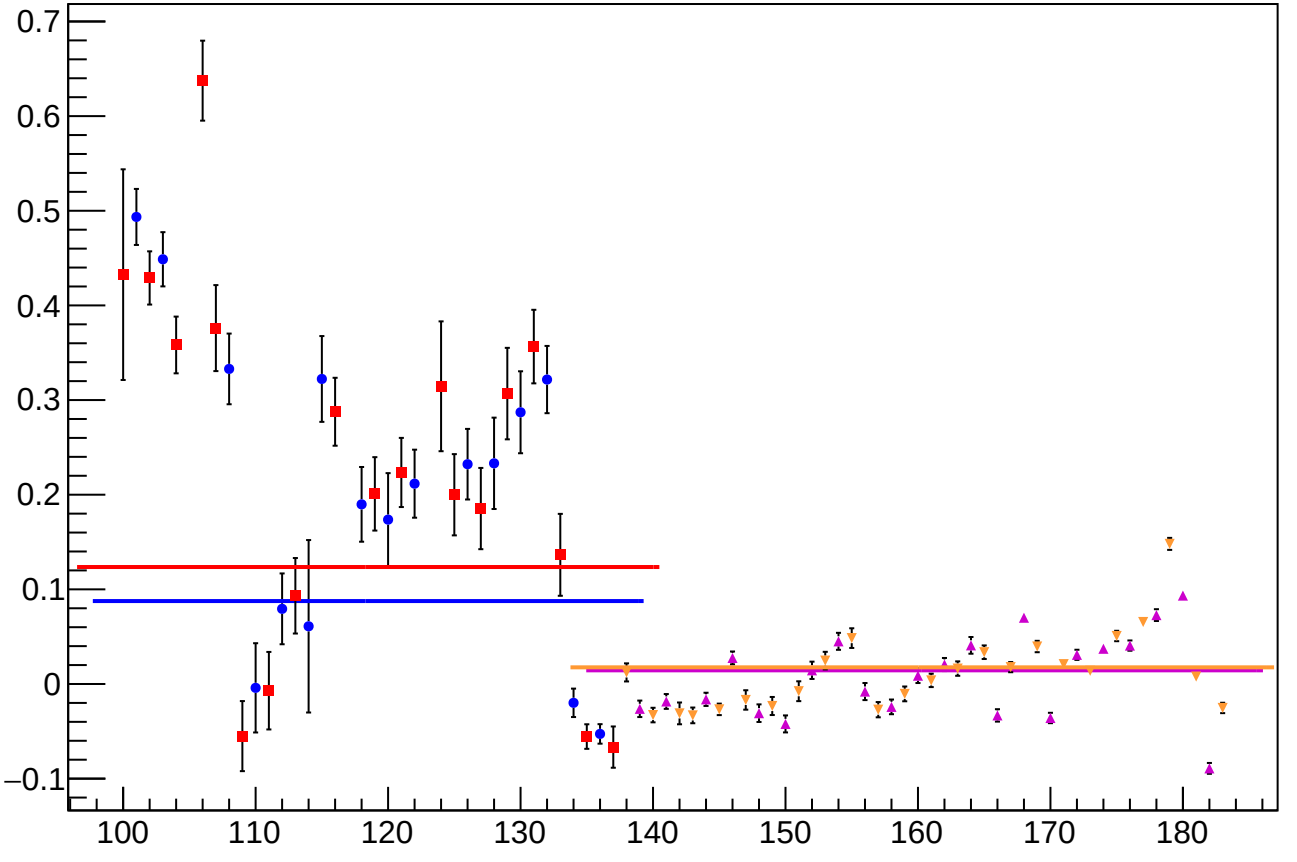
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.275+/-0.031 χ^2/NDF:3289.6/37

Out: -6.131+/-0.030 χ^2/NDF:3686.0/42

All: -6.202+/-0.022 χ^2/NDF: 6986.8/80

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: 0.018+/-0.001 χ^2/NDF:874.7/23

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: 0.016+/-0.001 χ^2/NDF: 1993.8/45

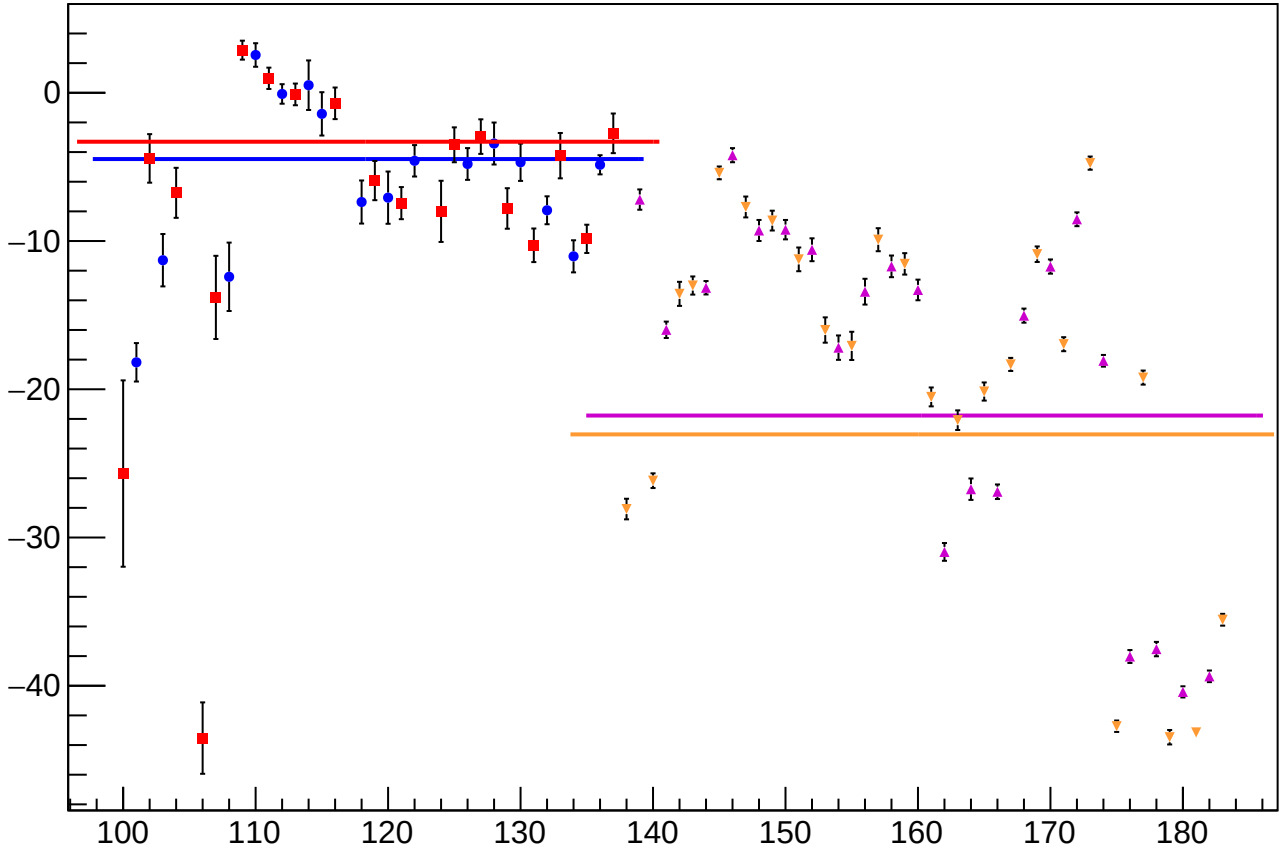
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.018+/-0.001 χ^2/NDF:2002.3/37

Out: 0.021+/-0.001 χ^2/NDF:1838.9/42

All: 0.020+/-0.001 χ^2/NDF: 3844.6/80

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -23.043+/-0.109 χ^2/NDF:15509.3/23

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -21.772+/-0.112 χ^2/NDF:12464.7/21

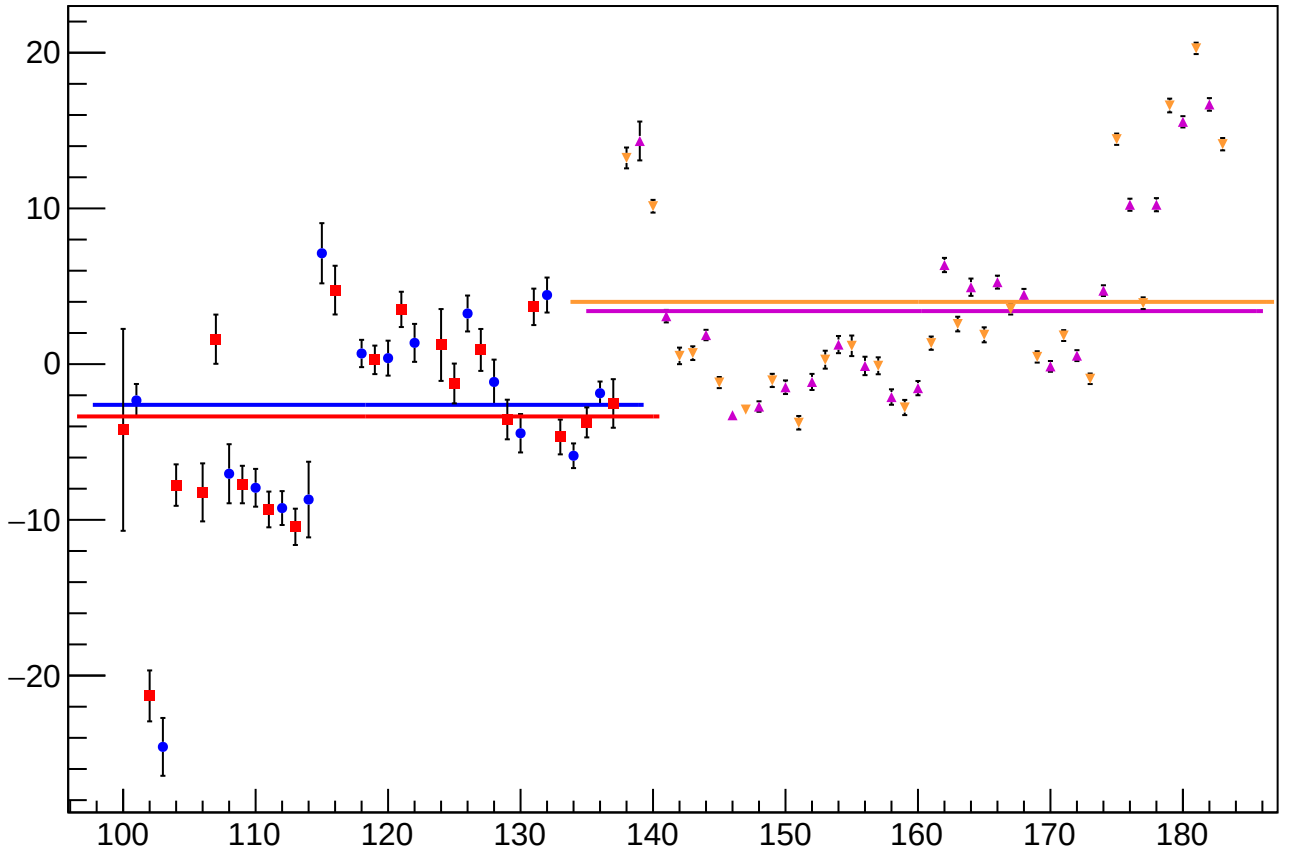
Left: -22.426+/-0.078 χ^2/NDF: 28039.7/45

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -19.190+/-0.104 χ^2/NDF:16330.8/37

Out: -20.097+/-0.101 χ^2/NDF:20967.5/42

All: -19.657+/-0.072 χ^2/NDF: 37337.7/80



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 3.999+/-0.085 χ^2/NDF:6632.7/23

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 3.406+/-0.087 χ^2/NDF:4509.6/21

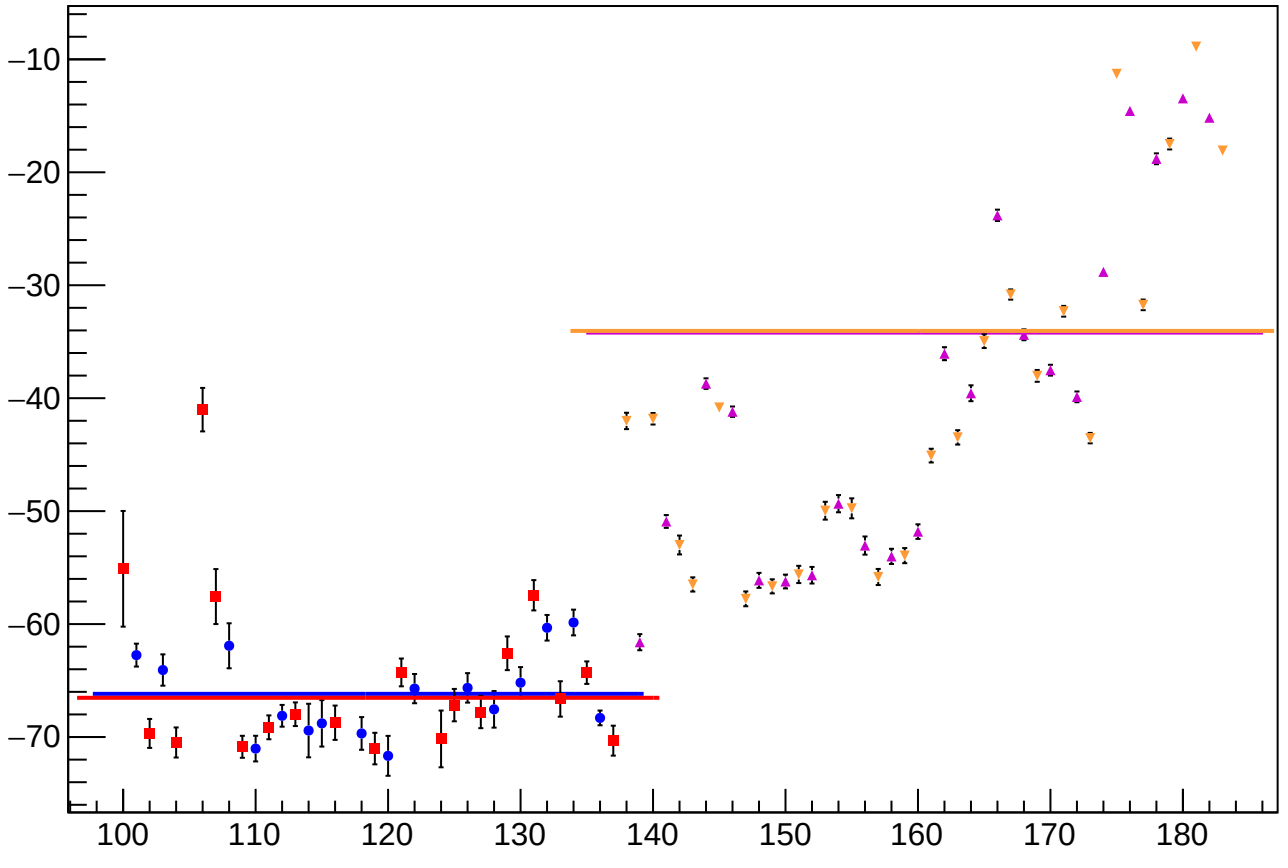
Left: 3.709+/-0.061 χ^2/NDF: 11166.0/45

Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 2.897+/-0.083 χ^2/NDF:5268.0/37

Out: 3.447+/-0.082 χ^2/NDF:7553.4/42

All: 3.177+/-0.058 χ^2/NDF: 12843.8/80



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -34.044+/-0.109 χ^2/NDF:20838.1/23

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -34.194+/-0.112 χ^2/NDF:17686.5/21

Left: -34.117+/-0.078 χ^2/NDF: 38525.5/45

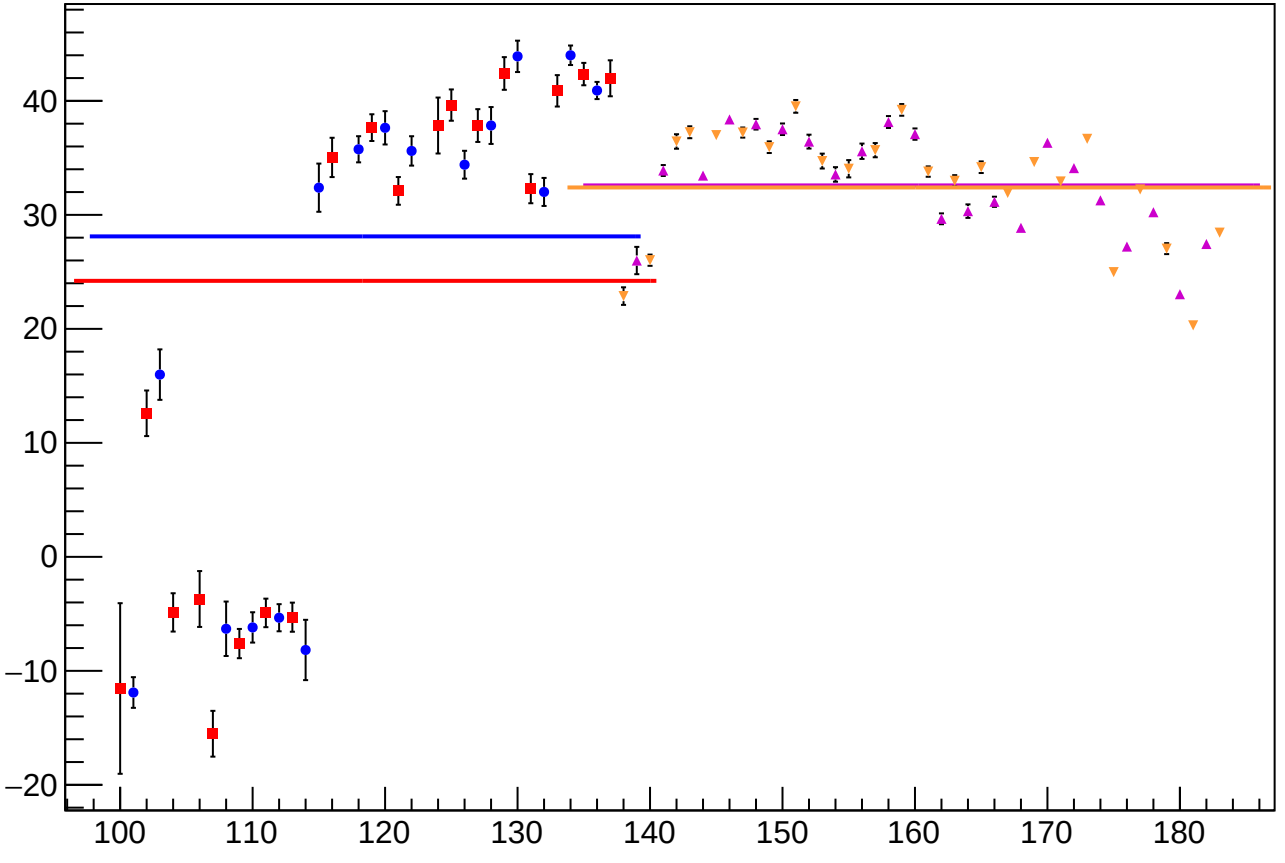
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -38.016+/-0.105 χ^2/NDF:27540.5/37

Out: -37.587+/-0.103 χ^2/NDF:30787.1/42

All: -37.798+/-0.074 χ^2/NDF: 58336.1/80

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 32.404+/-0.095 χ^2/NDF:2873.7/23

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: 32.492+/-0.068 χ^2/NDF: 4887.0/45

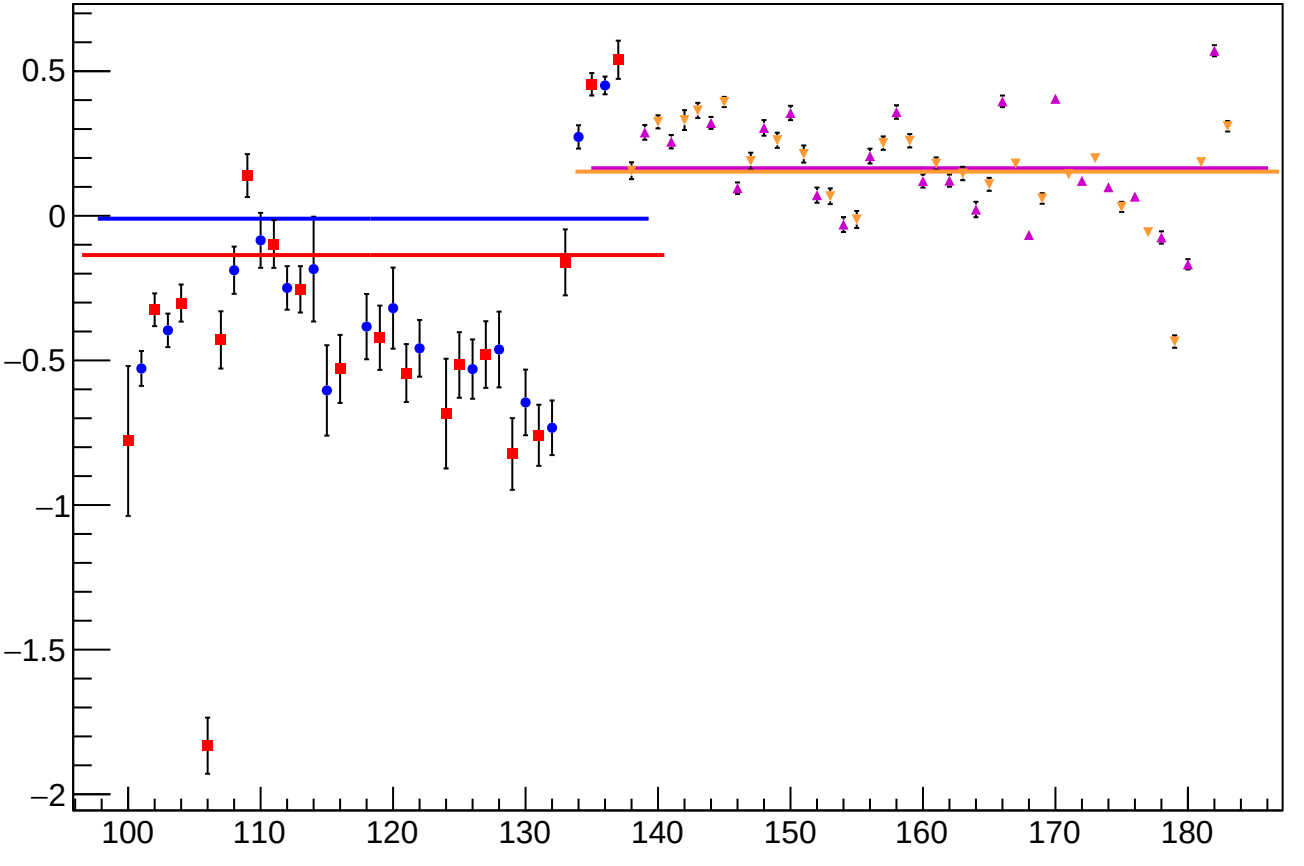
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 32.204+/-0.093 χ^2/NDF:5918.0/37

Out: 31.791+/-0.092 χ^2/NDF:7266.6/42

All: 31.994+/-0.065 χ^2/NDF: 13194.6/80

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: 0.153+/-0.004 χ^2/NDF:1512.3/23

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.164+/-0.004 χ^2/NDF:1899.1/21

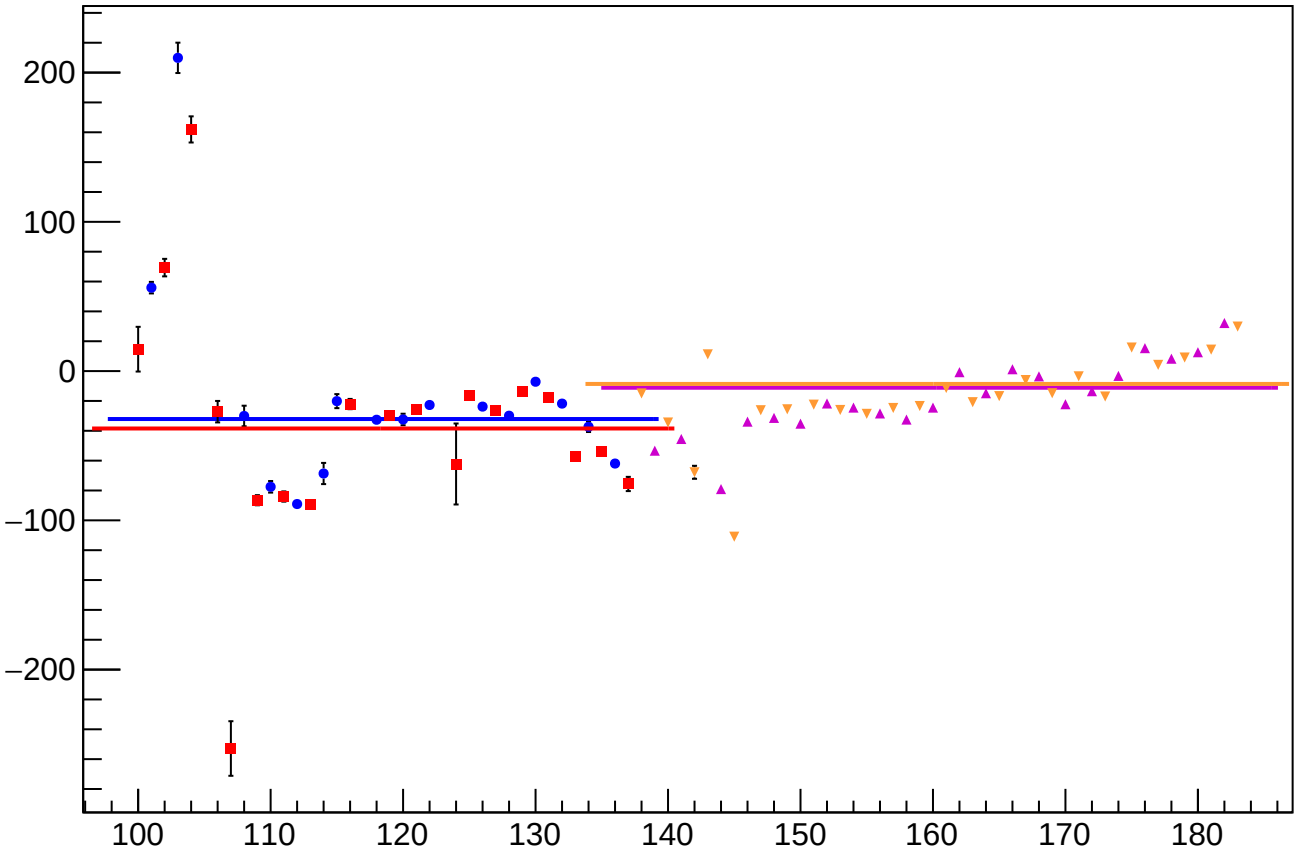
Left: 0.159+/-0.003 χ^2/NDF: 3415.0/45

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.154+/-0.004 χ^2/NDF:2581.7/37

Out: 0.139+/-0.004 χ^2/NDF:2554.1/42

All: 0.146+/-0.003 χ^2/NDF: 5142.5/80



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -8.605+/-0.518 χ^2/NDF:2537.7/23

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -11.149+/-0.534 χ^2/NDF:2399.9/21

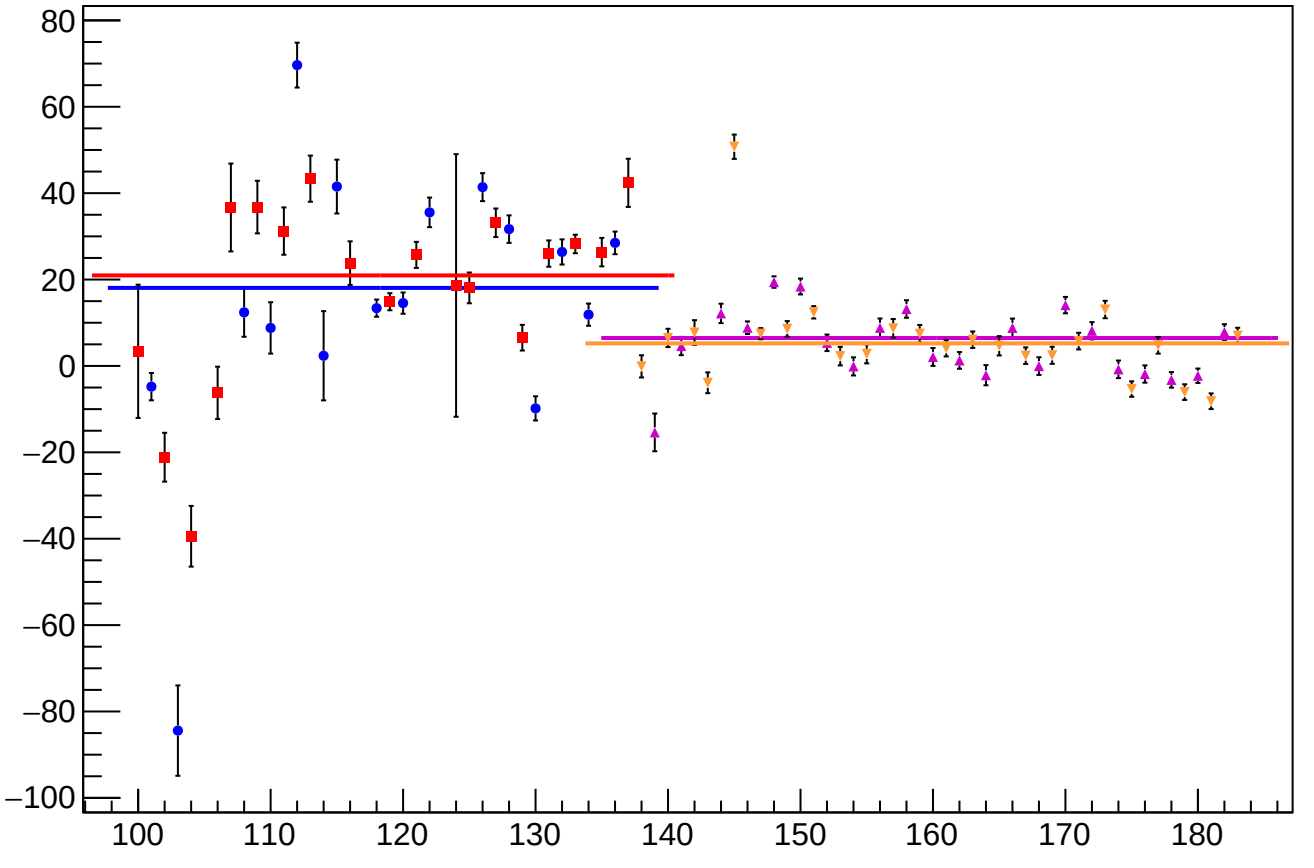
Left: -9.838+/-0.372 χ^2/NDF: 4949.3/45

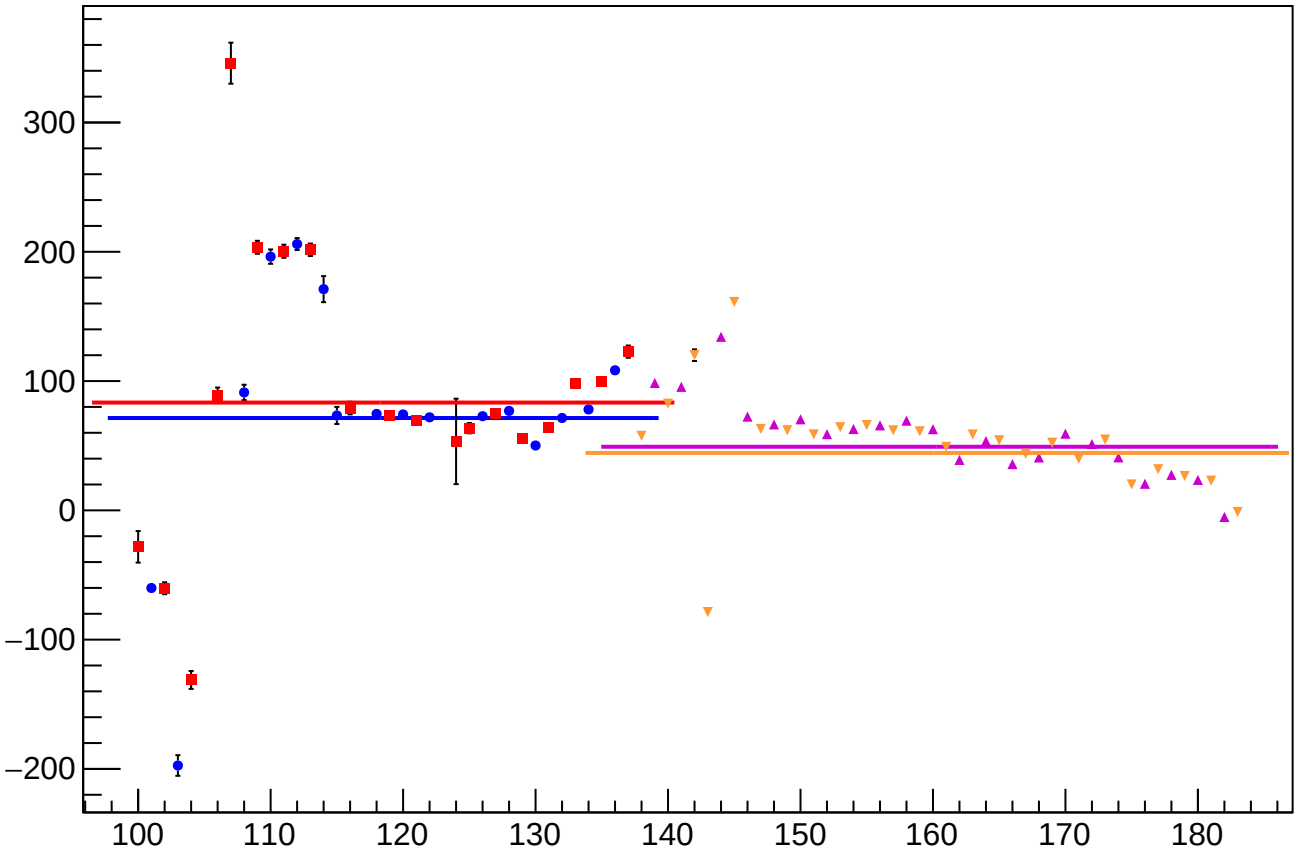
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -17.151+/-0.451 χ^2/NDF:4719.2/37

Out: -16.489+/-0.444 χ^2/NDF:5388.1/42

All: -16.815+/-0.316 χ^2/NDF: 10108.5/80


reg_asym_atl1_diff_bpm4aY_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: 18.068+/-0.823 χ²/NDF: 499.6/15
Left Out: 5.221+/-0.396 χ²/NDF:469.0/23
Right Out: 20.959+/-0.868 χ²/NDF: 262.6/18
Left In: 6.464+/-0.412 χ²/NDF:336.0/21
Left: 5.819+/-0.286 χ²/NDF: 809.7/45
Right: 19.435+/-0.597 χ²/NDF: 768.0/34
In: 8.789+/-0.368 χ²/NDF:994.6/37
Out: 7.936+/-0.361 χ²/NDF:1003.4/42
All: 8.354+/-0.258 χ²/NDF: 2000.8/80



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 44.409+/-0.514 χ^2/NDF:4528.9/23

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 49.193+/-0.528 χ^2/NDF:3200.1/21

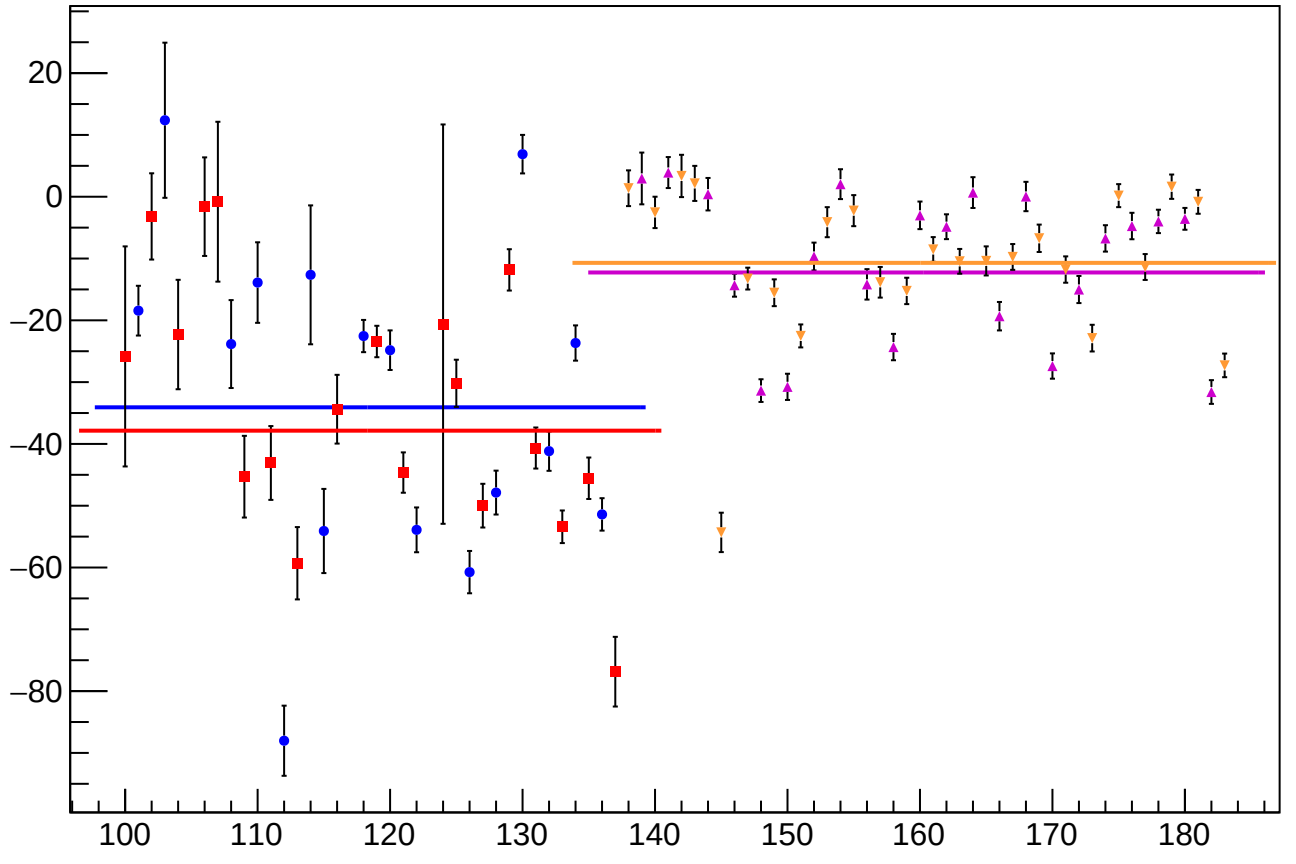
Left: 46.736+/-0.368 χ^2/NDF: 7771.1/45

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 54.600+/-0.459 χ^2/NDF:8450.9/37

Out: 52.740+/-0.455 χ^2/NDF:10056.8/42

All: 53.663+/-0.323 χ^2/NDF: 18516.0/80



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -10.700+/-0.448 χ^2/NDF:536.3/23

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -12.257+/-0.464 χ^2/NDF:646.5/21

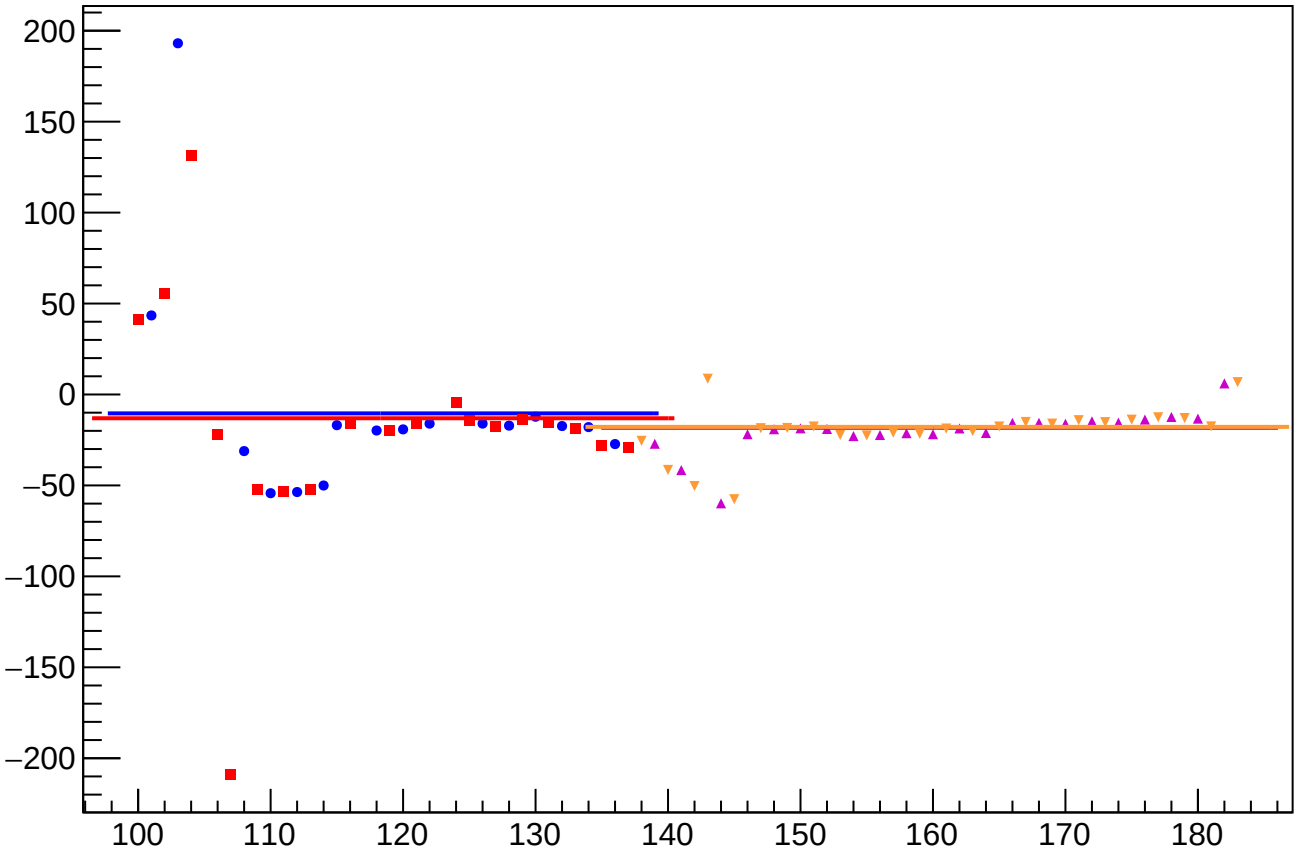
Left: -11.452+/-0.322 χ^2/NDF: 1188.7/45

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -16.510+/-0.416 χ^2/NDF:1589.5/37

Out: -15.289+/-0.409 χ^2/NDF:1431.4/42

All: -15.889+/-0.291 χ^2/NDF: 3025.3/80



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -17.811+/-0.020 χ^2/NDF:318347.3/23

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -18.328+/-0.021 χ^2/NDF:239923.7/21

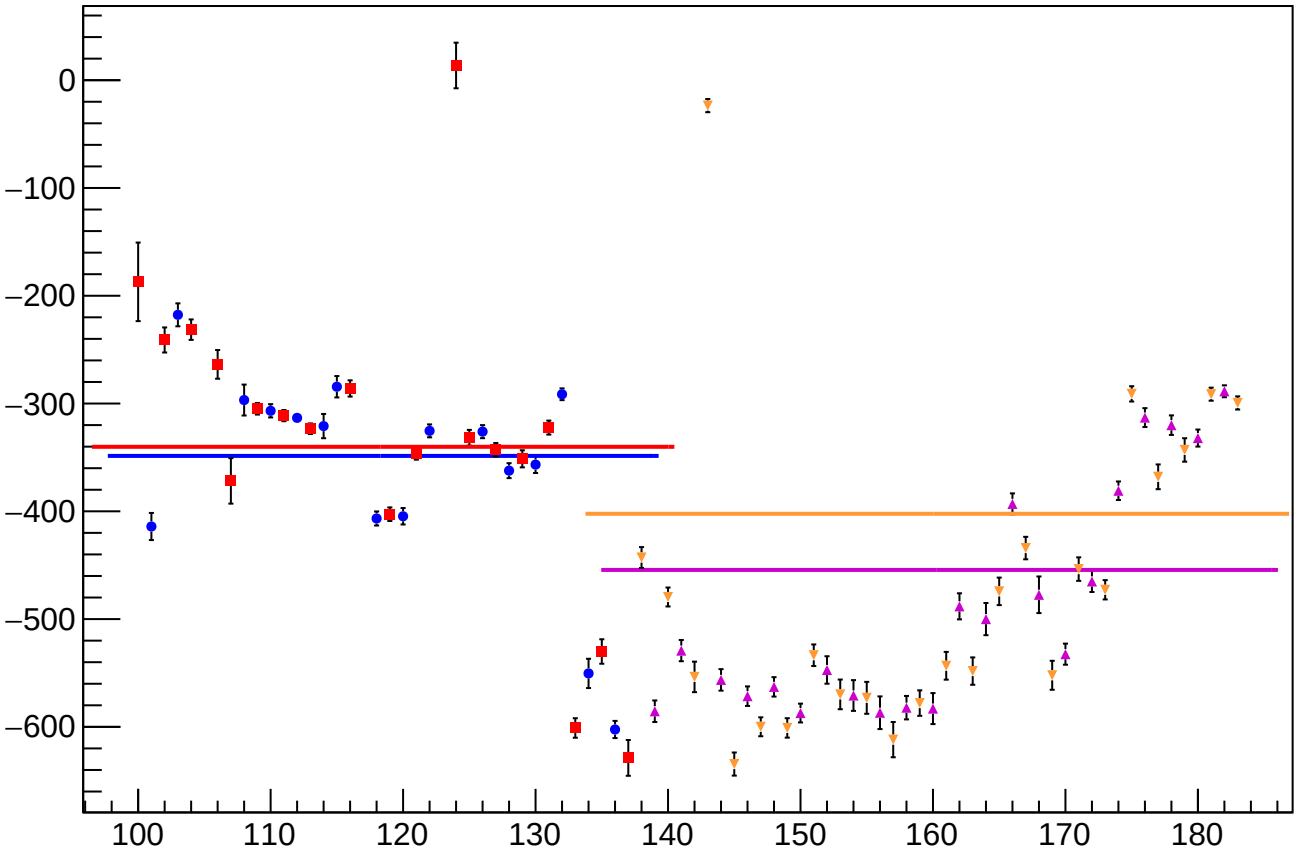
Left: -18.065+/-0.014 χ^2/NDF: 558594.2/45

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -17.414+/-0.019 χ^2/NDF:779481.8/37

Out: -17.366+/-0.019 χ^2/NDF:773141.8/42

All: -17.390+/-0.014 χ^2/NDF: 1552626.7/80



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -402.290+/-1.947 χ^2/NDF:7739.4/23

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -454.386+/-2.085 χ^2/NDF:3102.9/21

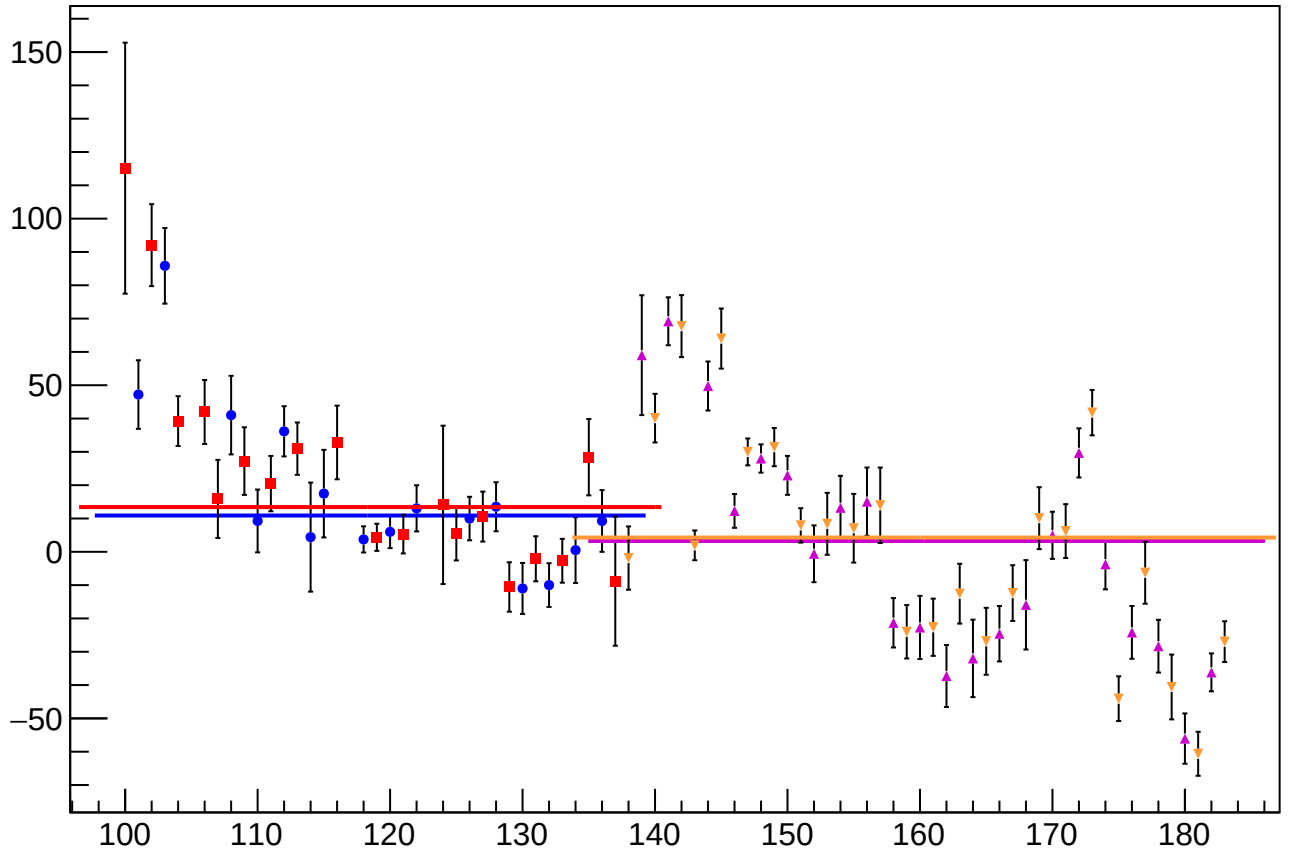
Left: -426.557+/-1.423 χ^2/NDF: 11175.8/45

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -394.472+/-1.373 χ^2/NDF:6419.3/37

Out: -368.080+/-1.305 χ^2/NDF:10497.4/42

All: -380.609+/-0.946 χ^2/NDF: 17110.7/80



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 4.280+/-1.458 χ^2/NDF:447.0/23

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 3.244+/-1.574 χ^2/NDF:395.8/21

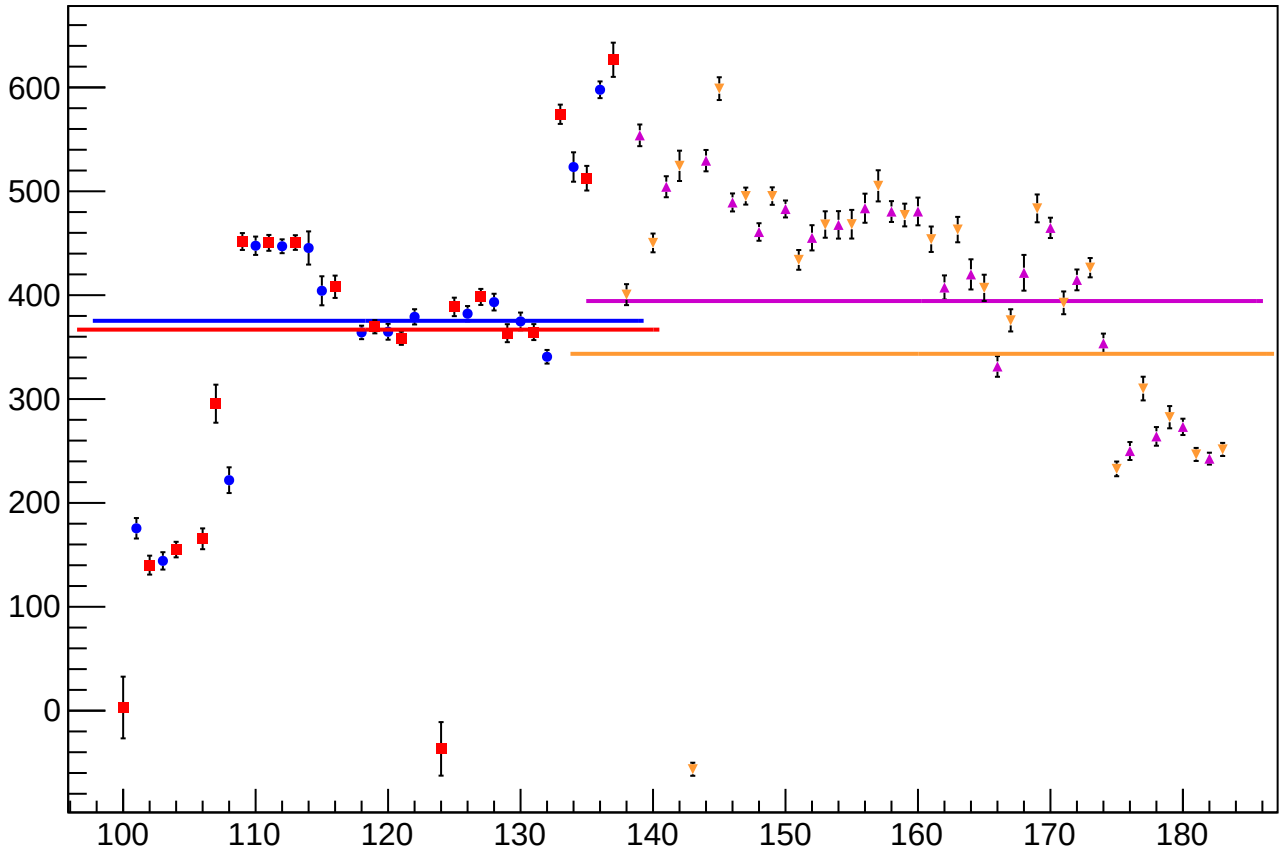
Left: 3.802+/-1.070 χ^2/NDF: 843.1/45

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 6.470+/-1.197 χ^2/NDF:504.0/37

Out: 7.775+/-1.146 χ^2/NDF:574.5/42

All: 7.151+/-0.828 χ^2/NDF: 1079.1/80



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 343.545+/-1.942 χ^2/NDF:7259.6/23

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 394.352+/-2.068 χ^2/NDF:2586.4/21

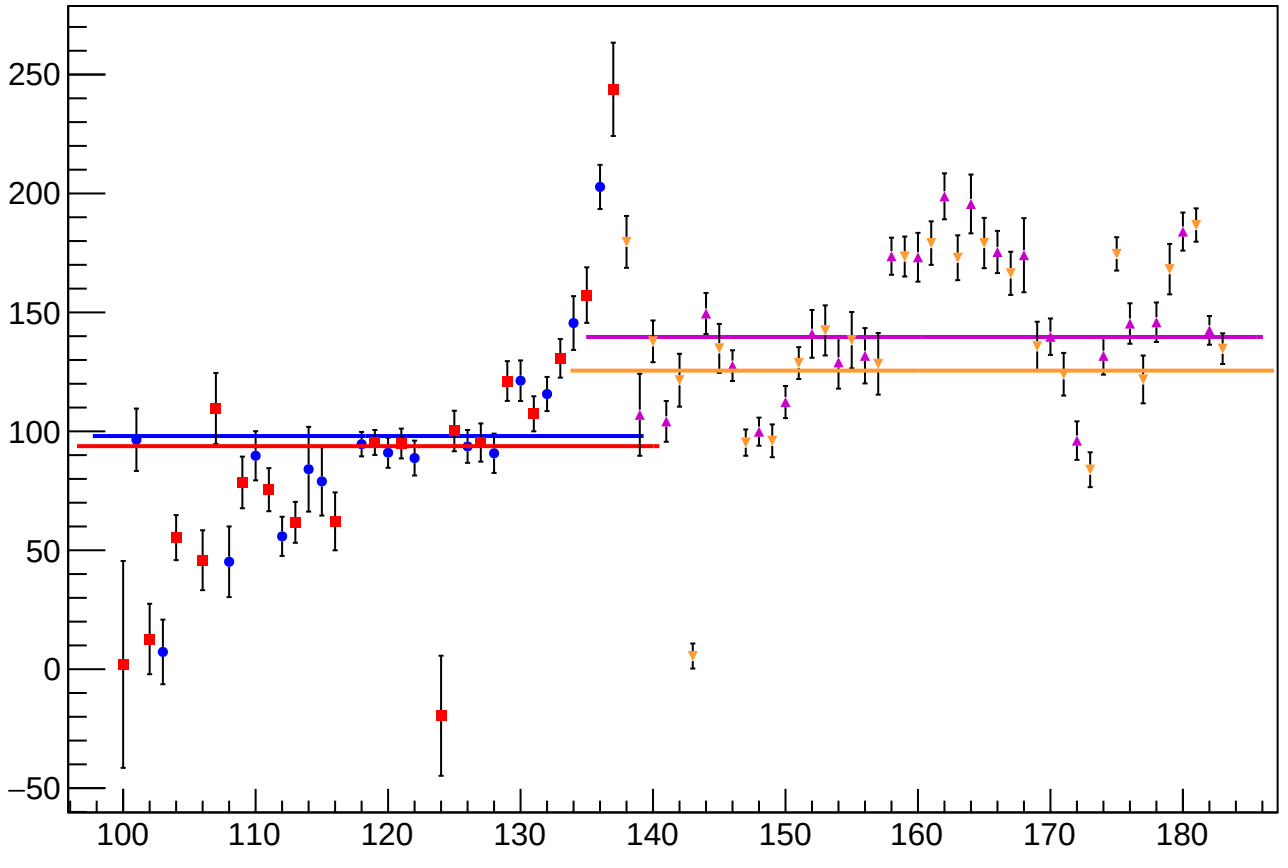
Left: 367.357+/-1.416 χ^2/NDF: 10166.8/45

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 384.996+/-1.474 χ^2/NDF:5077.5/37

Out: 354.561+/-1.410 χ^2/NDF:10868.8/42

All: 369.096+/-1.019 χ^2/NDF: 16168.9/80



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 125.536+/-1.677 χ^2/NDF:914.9/23

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 139.668+/-1.796 χ^2/NDF:259.2/21

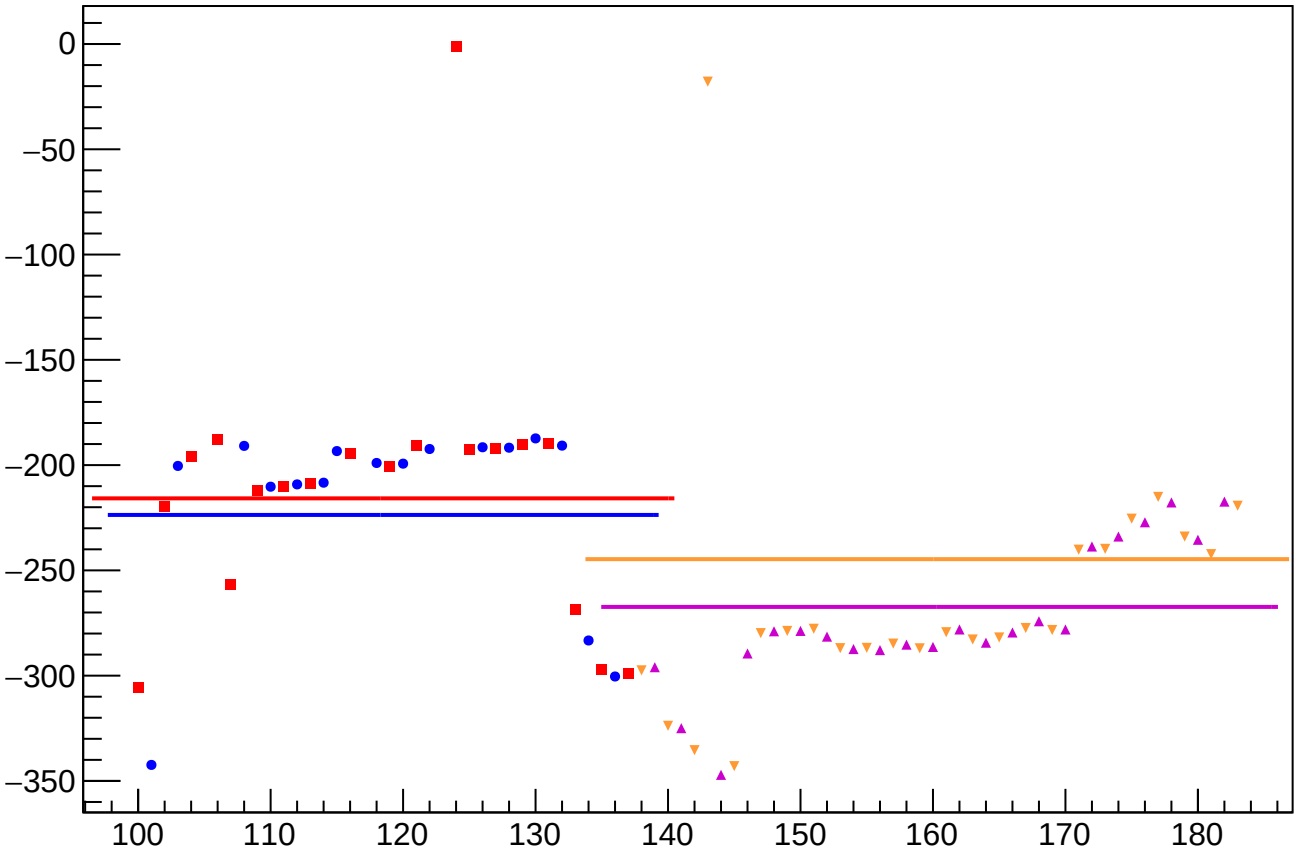
Left: 132.120+/-1.226 χ^2/NDF: 1207.2/45

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 122.500+/-1.377 χ^2/NDF:730.5/37

Out: 113.440+/-1.320 χ^2/NDF:1288.7/42

All: 117.779+/-0.953 χ^2/NDF: 2041.7/80



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -244.668+/-0.078 χ^2/NDF:995252.6/23

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -267.353+/-0.082 χ^2/NDF:160706.6/21

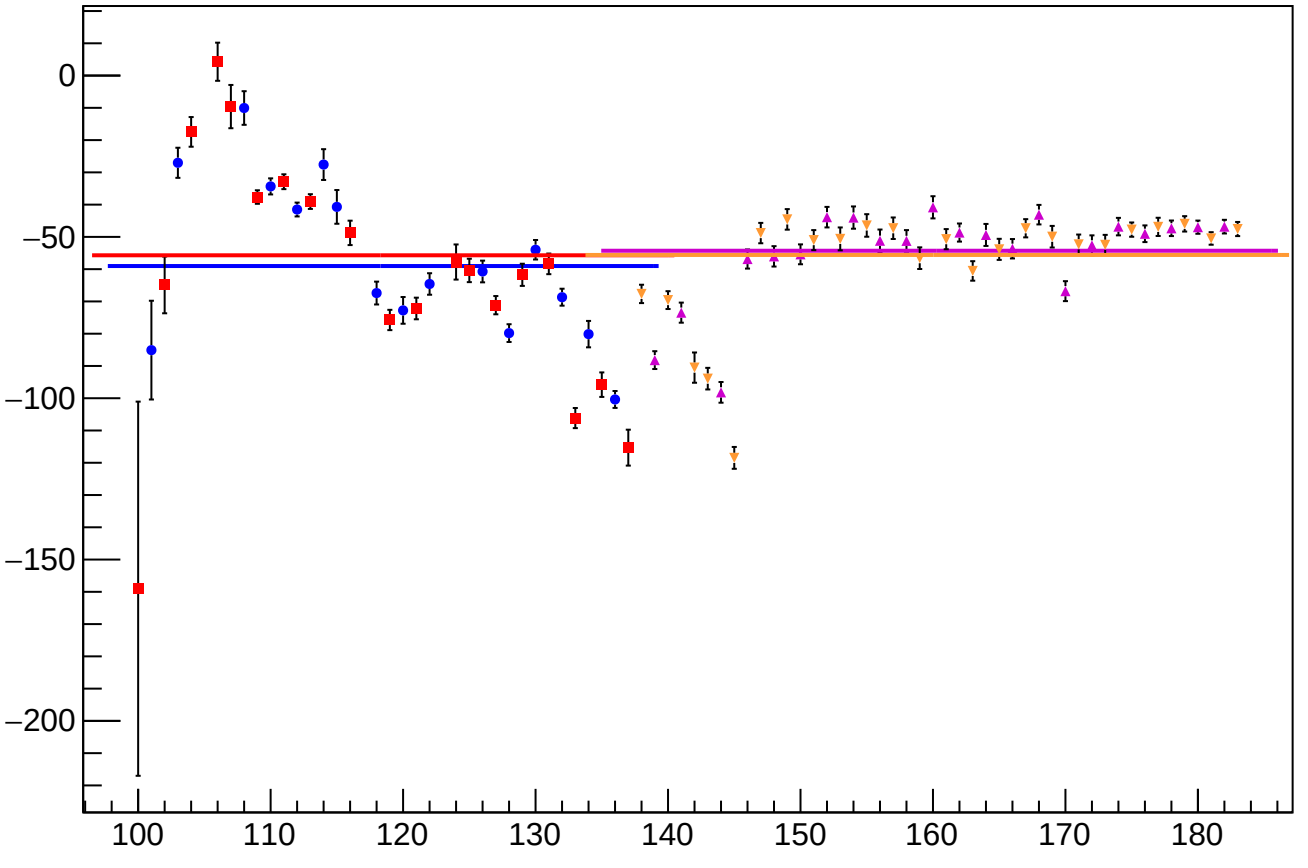
Left: -255.515+/-0.057 χ^2/NDF: 1196068.7/45

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -256.024+/-0.070 χ^2/NDF:356157.4/37

Out: -237.341+/-0.068 χ^2/NDF:1111255.2/42

All: -246.309+/-0.049 χ^2/NDF: 1504015.6/80



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -55.597+/-0.594 χ^2/NDF:686.4/23

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -54.290+/-0.614 χ^2/NDF:495.7/21

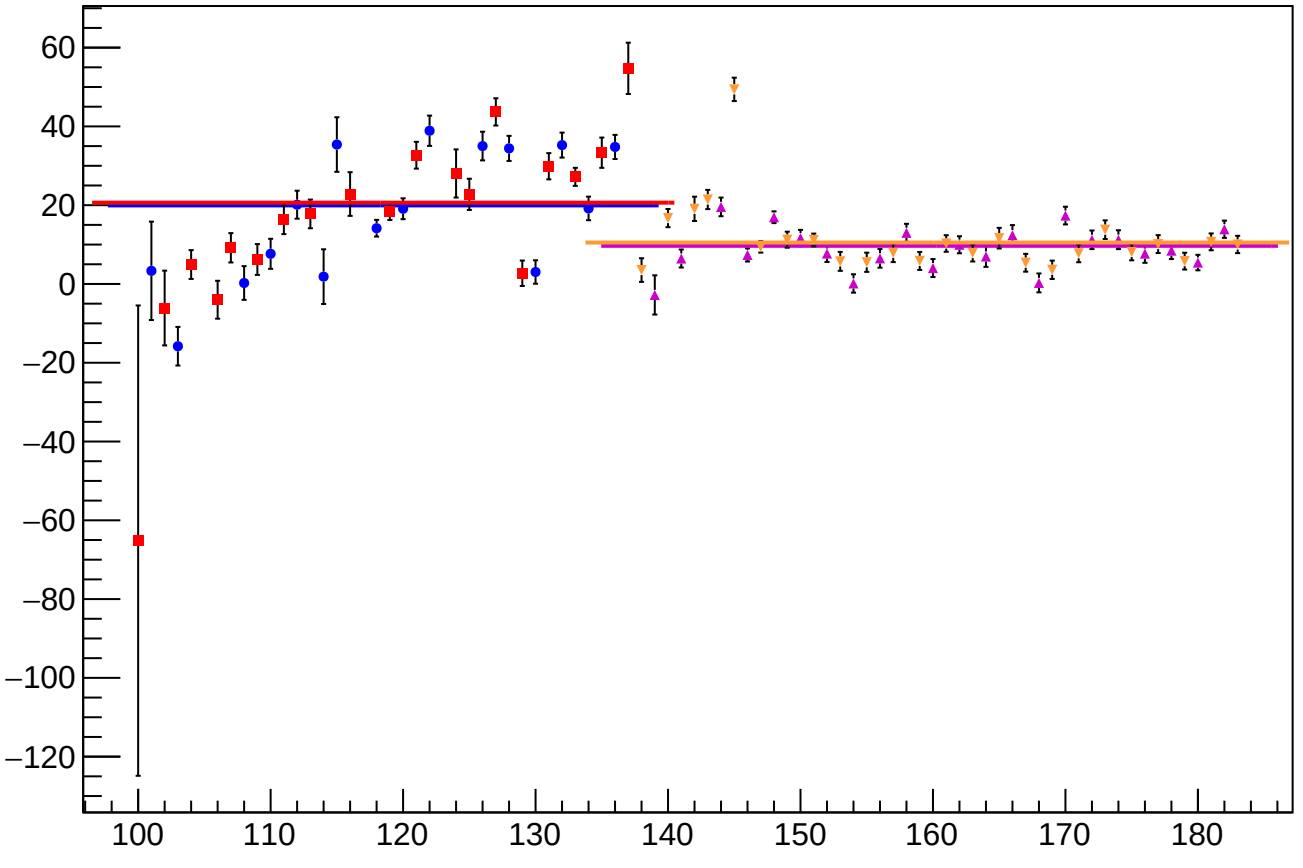
Left: -54.964+/-0.427 χ^2/NDF: 1184.4/45

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -55.968+/-0.493 χ^2/NDF:1244.1/37

Out: -55.634+/-0.475 χ^2/NDF:1727.5/42

All: -55.795+/-0.342 χ^2/NDF: 2971.9/80



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.518+/-0.452 χ^2/NDF:252.1/23

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.687+/-0.471 χ^2/NDF:119.3/21

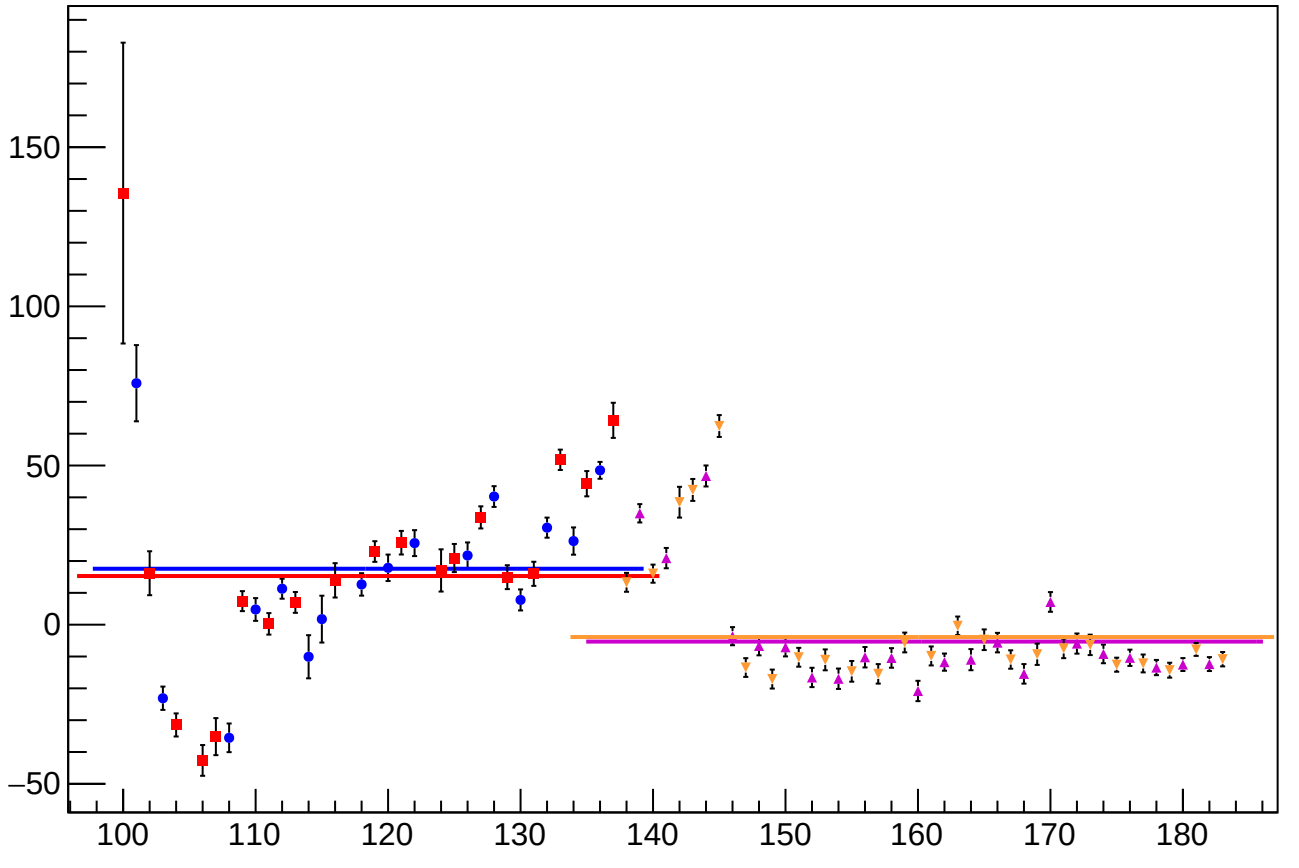
Left: 10.119+/-0.326 χ^2/NDF: 373.0/45

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 12.020+/-0.414 χ^2/NDF:474.5/37

Out: 12.776+/-0.398 χ^2/NDF:588.8/42

All: 12.412+/-0.287 χ^2/NDF: 1065.0/80



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -3.885+/-0.589 χ^2/NDF:850.2/23

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: -5.316+/-0.606 χ^2/NDF:645.2/21

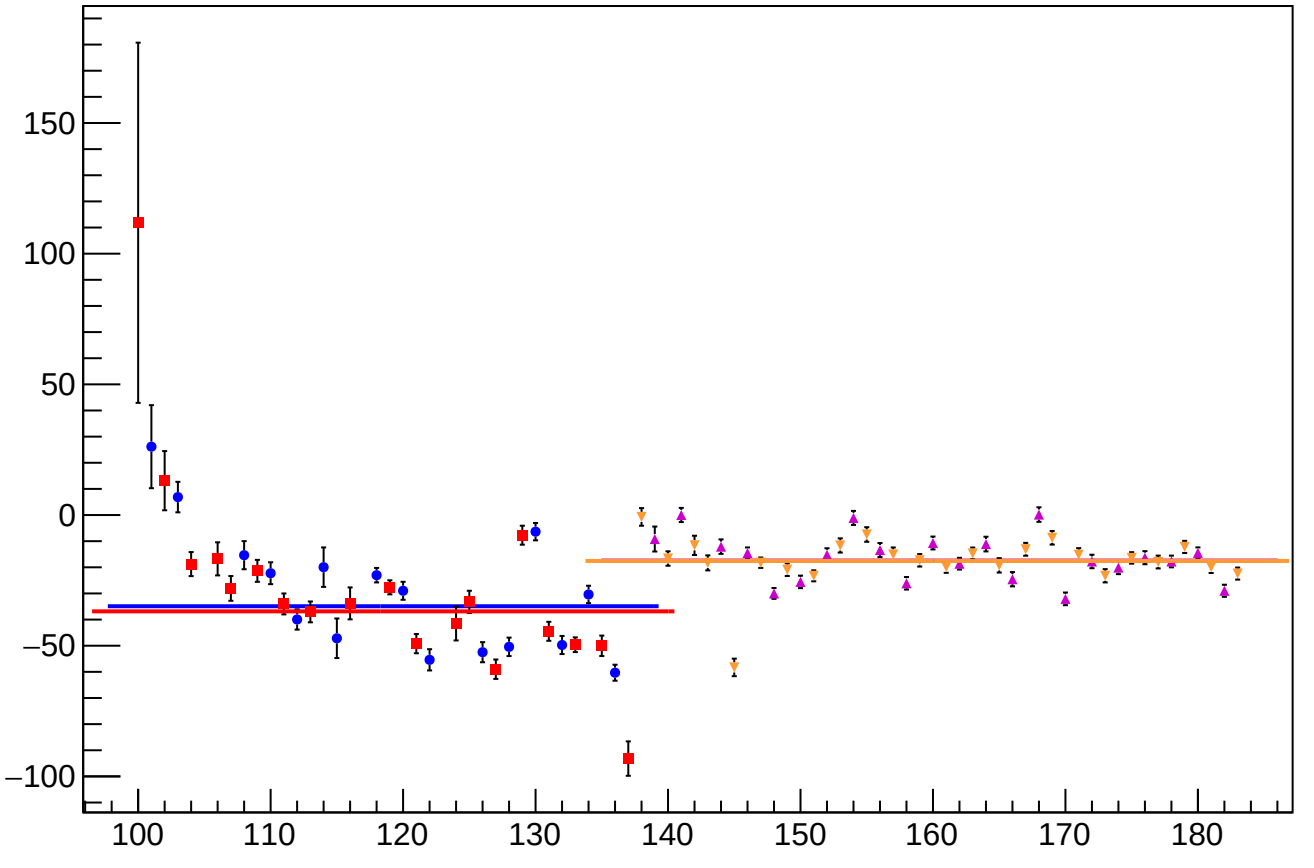
Left: -4.580+/-0.423 χ^2/NDF: 1498.2/45

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 1.246+/-0.512 χ^2/NDF:1599.8/37

Out: 1.570+/-0.498 χ^2/NDF:1881.5/42

All: 1.413+/-0.357 χ^2/NDF: 3481.6/80



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.560+/-0.512 χ^2/NDF:238.0/23

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -17.414+/-0.531 χ^2/NDF:275.5/21

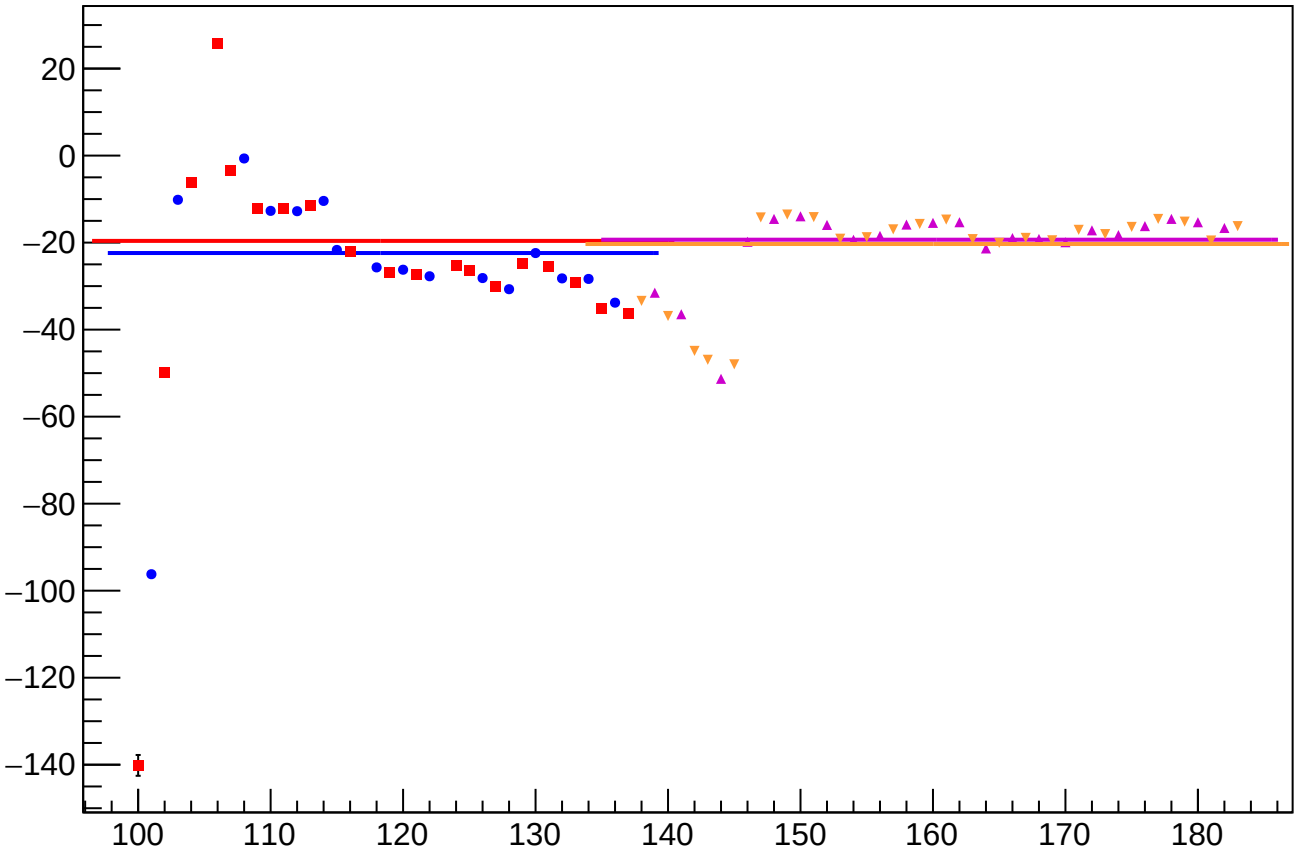
Left: -17.489+/-0.369 χ^2/NDF: 513.5/45

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -21.315+/-0.468 χ^2/NDF:864.3/37

Out: -21.769+/-0.453 χ^2/NDF:849.0/42

All: -21.550+/-0.325 χ^2/NDF: 1713.8/80



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -20.321+/-0.023 χ^2/NDF:146391.8/23

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -19.330+/-0.023 χ^2/NDF:93052.1/21

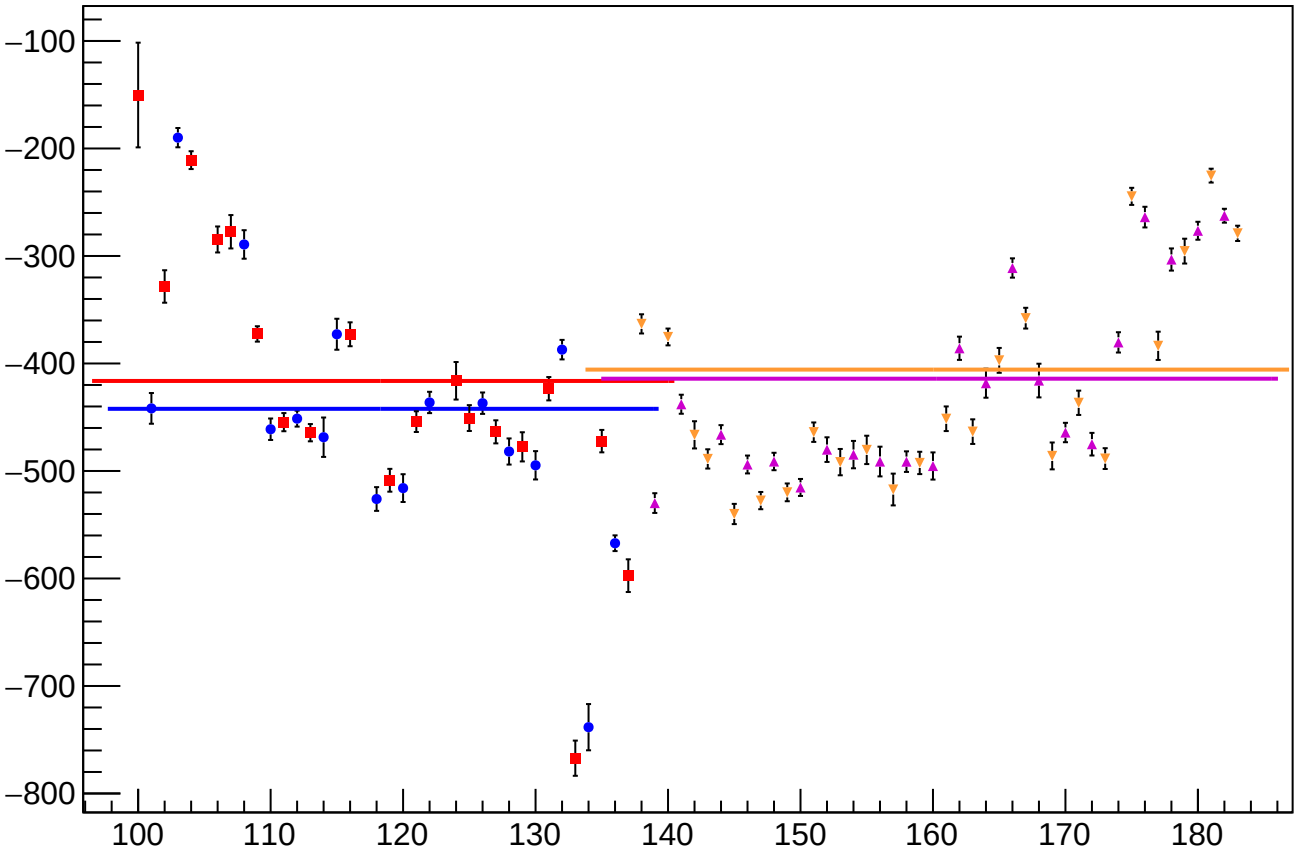
Left: -19.835+/-0.016 χ^2/NDF: 240351.1/45

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -19.758+/-0.022 χ^2/NDF:141948.8/37

Out: -20.228+/-0.021 χ^2/NDF:230383.6/42

All: -19.996+/-0.015 χ^2/NDF: 372568.0/80



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -405.695+/-1.966 χ^2/NDF:2813.8/23

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -414.162+/-2.038 χ^2/NDF:2146.4/21

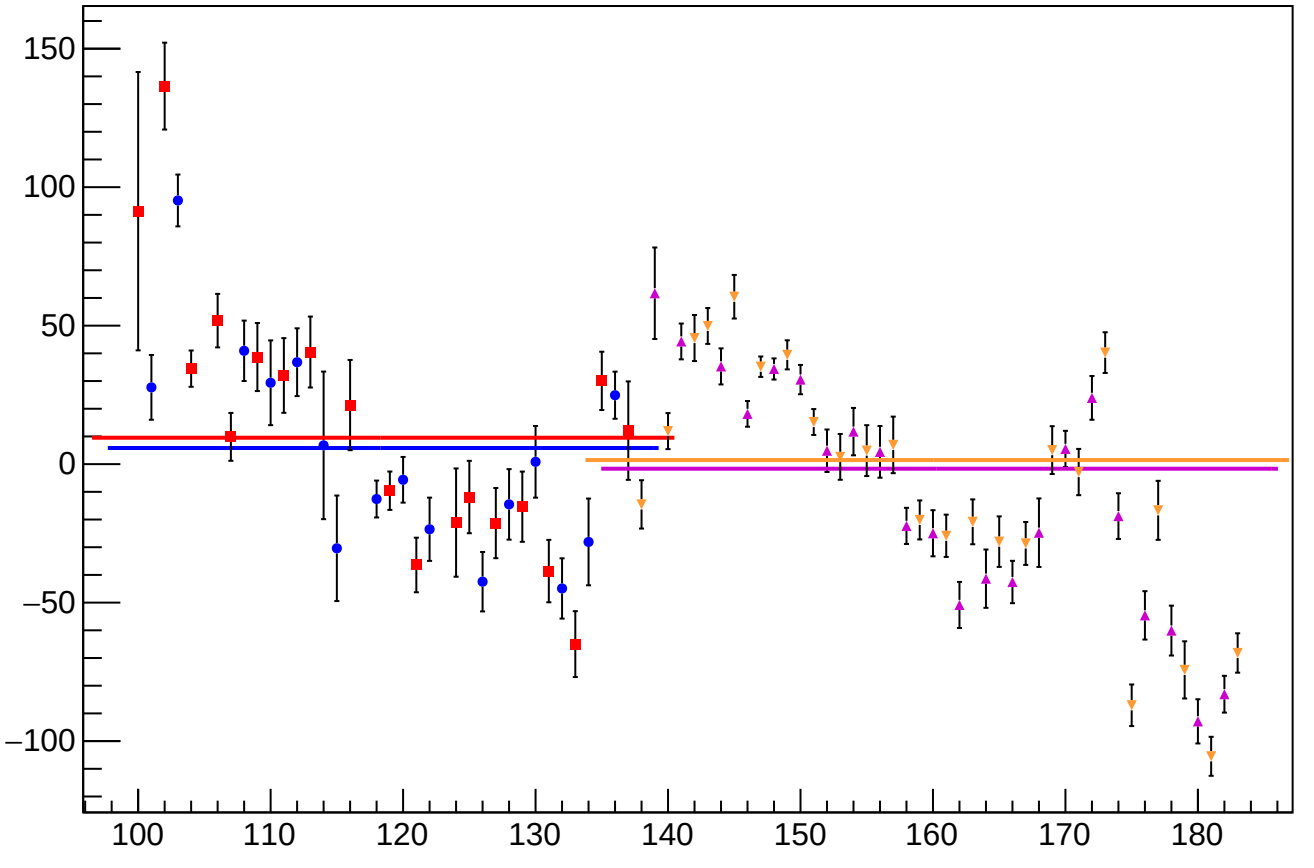
Left: -409.777+/-1.415 χ^2/NDF: 4969.2/45

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -424.417+/-1.622 χ^2/NDF:3804.7/37

Out: -409.687+/-1.551 χ^2/NDF:4578.5/42

All: -416.719+/-1.121 χ^2/NDF: 8426.4/80



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 1.475+/-1.434 χ^2/NDF:897.2/23

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: -1.652+/-1.495 χ^2/NDF:720.1/21

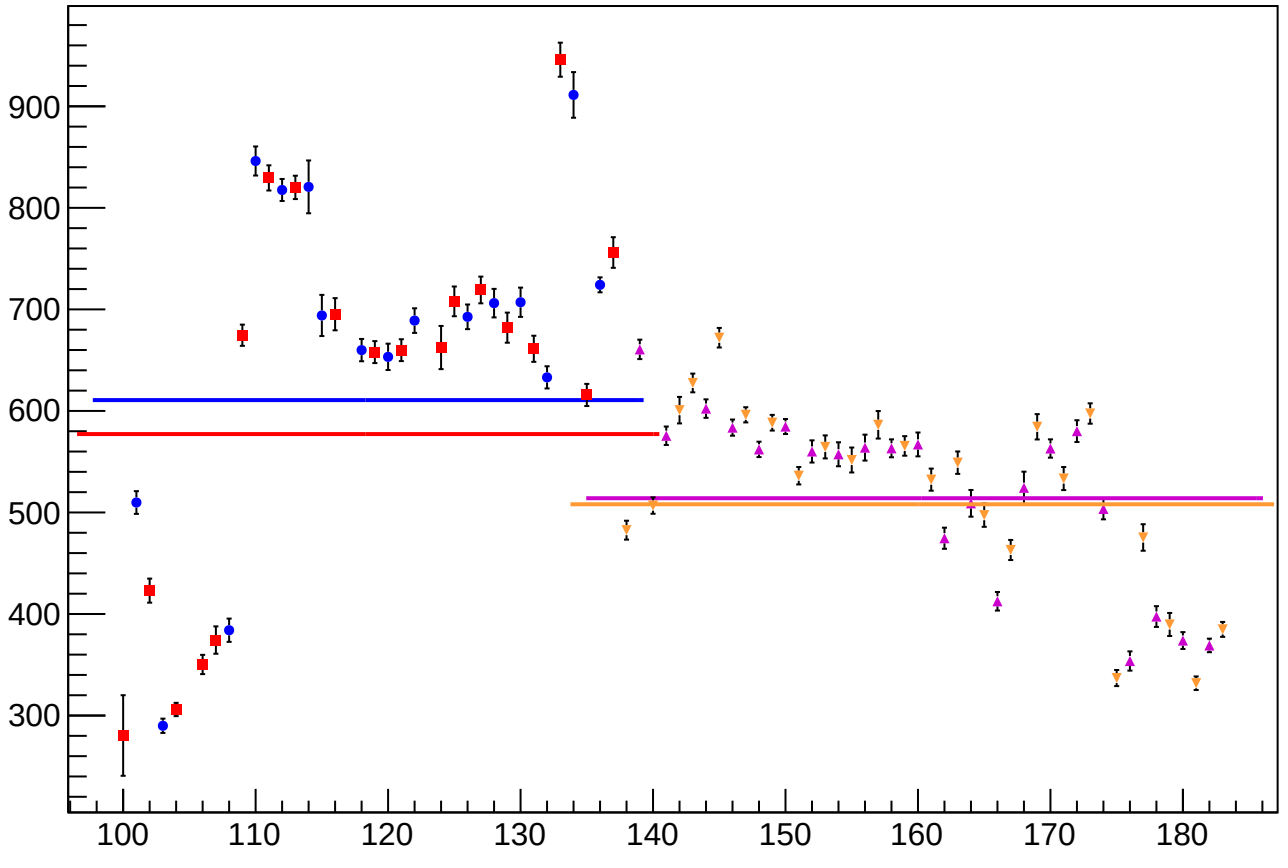
Left: -0.023+/-1.035 χ^2/NDF: 1619.6/45

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 0.076+/-1.311 χ^2/NDF:914.0/37

Out: 3.404+/-1.251 χ^2/NDF:1126.9/42

All: 1.819+/-0.905 χ^2/NDF: 2044.3/80



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 508.064+/-1.949 χ^2/NDF:2598.2/23

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 514.029+/-2.010 χ^2/NDF:2058.2/21

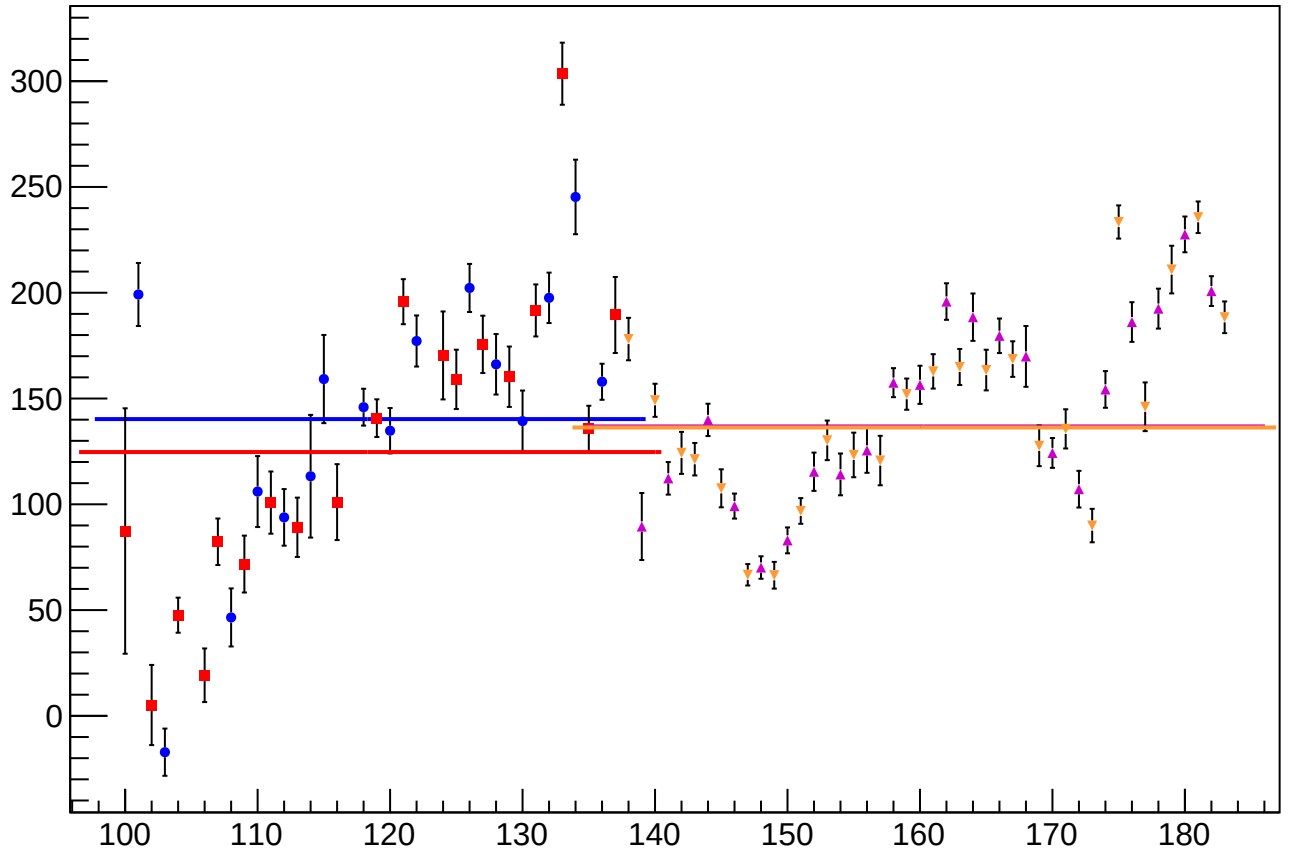
Left: 510.955+/-1.399 χ^2/NDF: 4661.0/45

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 545.504+/-1.651 χ^2/NDF:6703.5/37

Out: 531.130+/-1.591 χ^2/NDF:7818.2/42

All: 538.054+/-1.146 χ^2/NDF: 14561.0/80



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 136.312+/-1.660 χ^2/NDF:900.8/23

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 136.812+/-1.719 χ^2/NDF:700.6/21

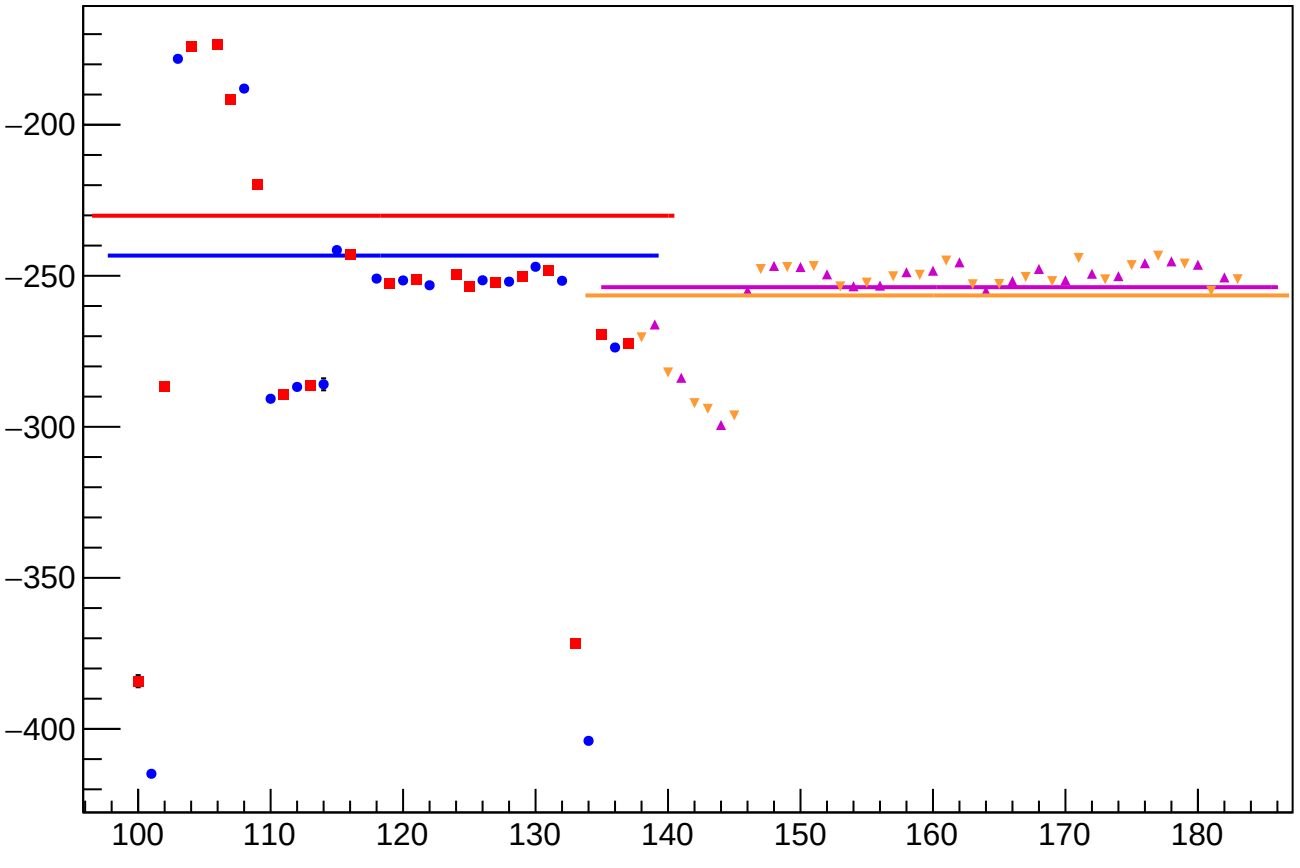
Left: 136.553+/-1.194 χ^2/NDF: 1601.4/45

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 137.607+/-1.509 χ^2/NDF:1086.9/37

Out: 133.560+/-1.450 χ^2/NDF:1420.9/42

All: 135.502+/-1.046 χ^2/NDF: 2511.6/80



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -256.502+/-0.078 χ^2/NDF:39293.2/23

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -253.771+/-0.079 χ^2/NDF:24061.2/21

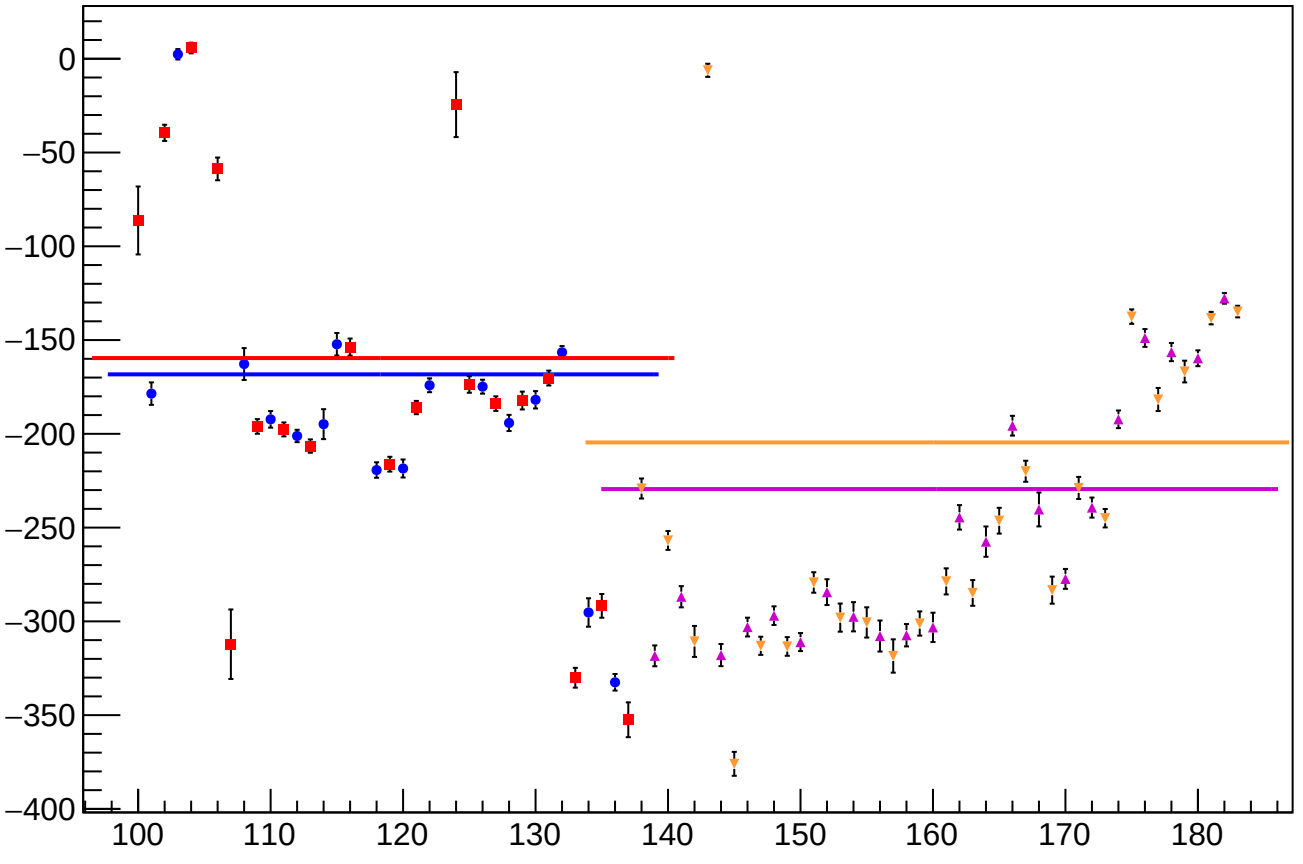
Left: -255.154+/-0.055 χ^2/NDF: 63963.9/45

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -251.783+/-0.071 χ^2/NDF:200906.6/37

Out: -251.325+/-0.070 χ^2/NDF:164355.6/42

All: -251.550+/-0.050 χ^2/NDF: 365283.4/80



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -204.572+/-1.064 χ^2/NDF:7822.3/23

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: -216.267+/-0.775 χ^2/NDF: 12128.1/45

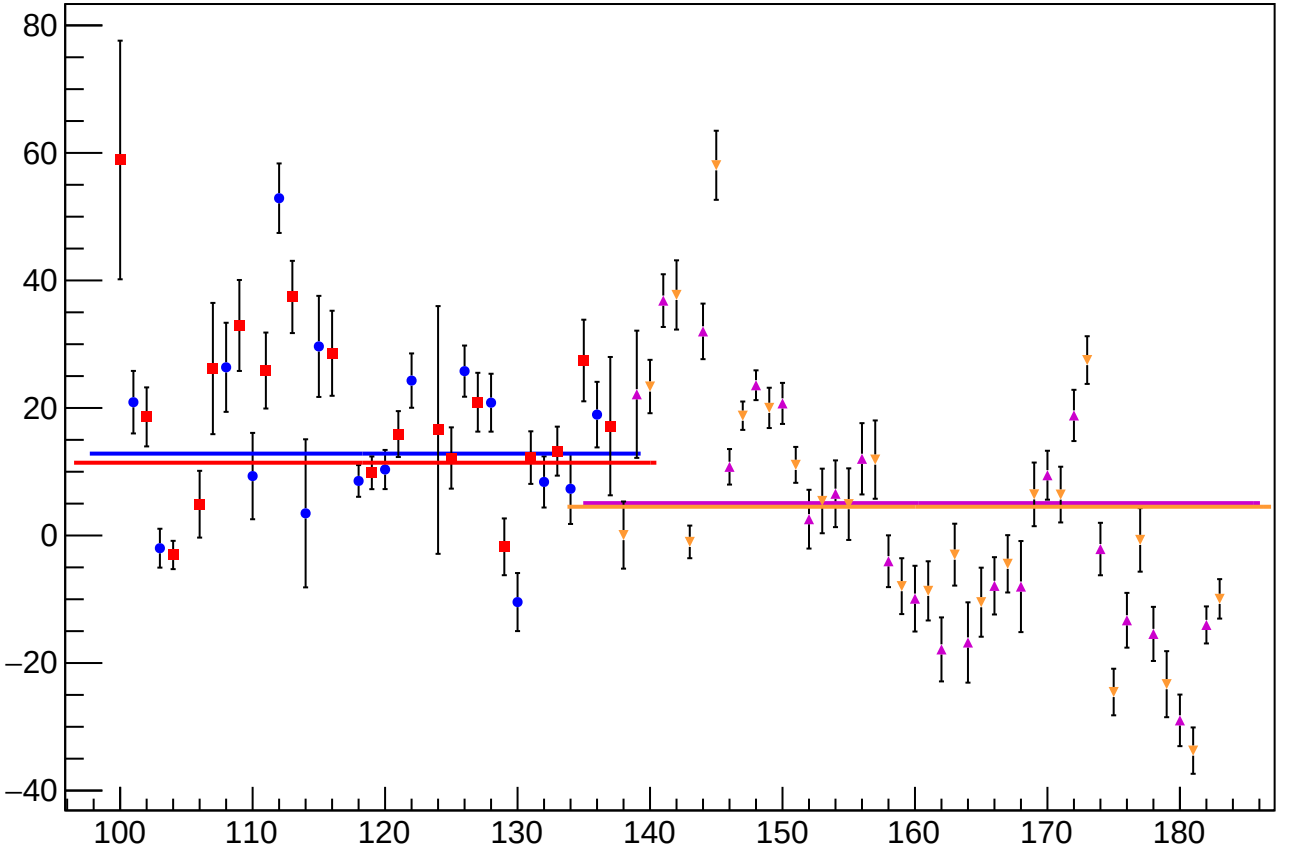
Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -197.368+/-0.779 χ^2/NDF:11493.2/37

Out: -181.621+/-0.745 χ^2/NDF:15931.6/42

All: -189.138+/-0.538 χ^2/NDF: 27638.3/80

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 4.508+/-0.801 χ^2/NDF:527.0/23

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 5.078+/-0.859 χ^2/NDF:422.6/21

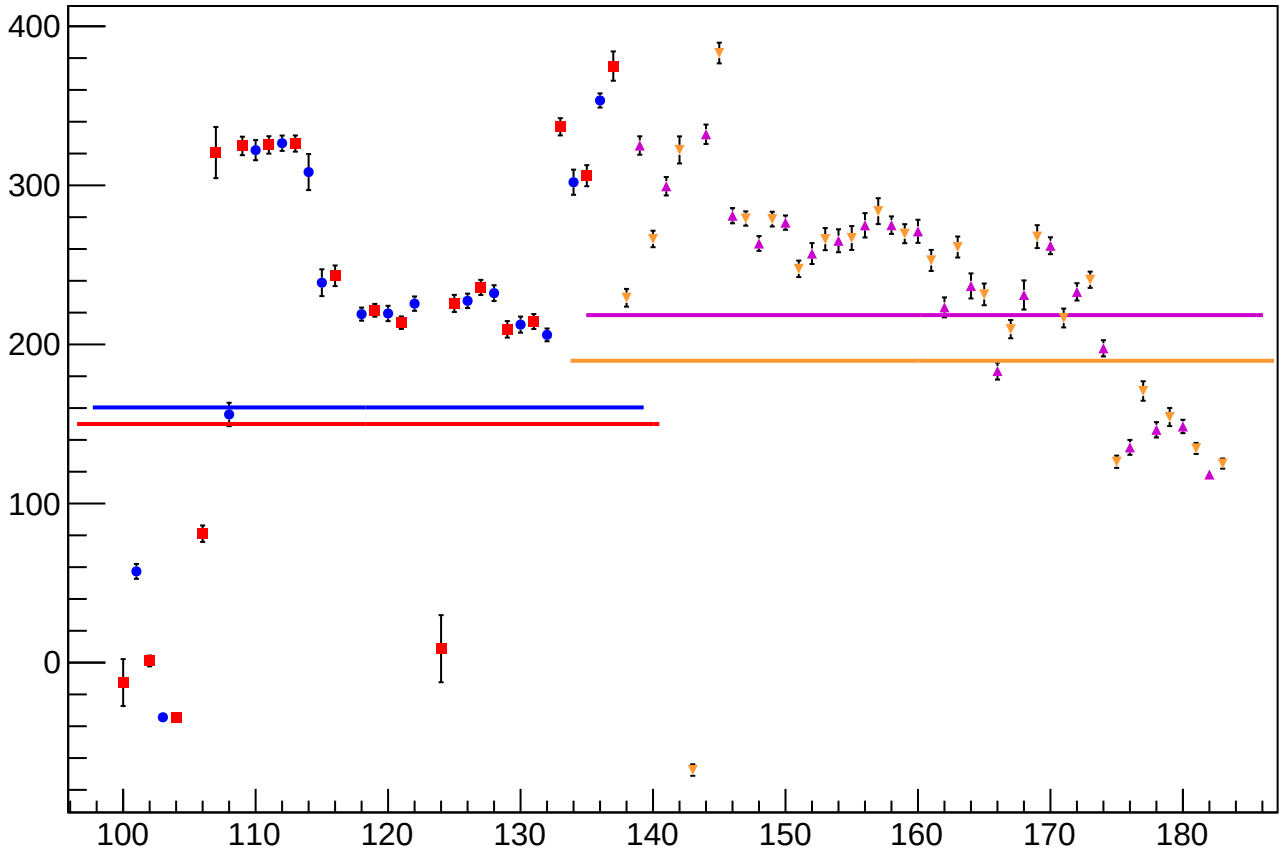
Left: 4.773+/-0.586 χ^2/NDF: 949.8/45

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 8.097+/-0.671 χ^2/NDF:598.1/37

Out: 7.091+/-0.633 χ^2/NDF:674.3/42

All: 7.565+/-0.461 χ^2/NDF: 1273.6/80



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 189.743+/-1.061 χ^2/NDF:9374.5/23

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 218.440+/-1.121 χ^2/NDF:3733.7/21

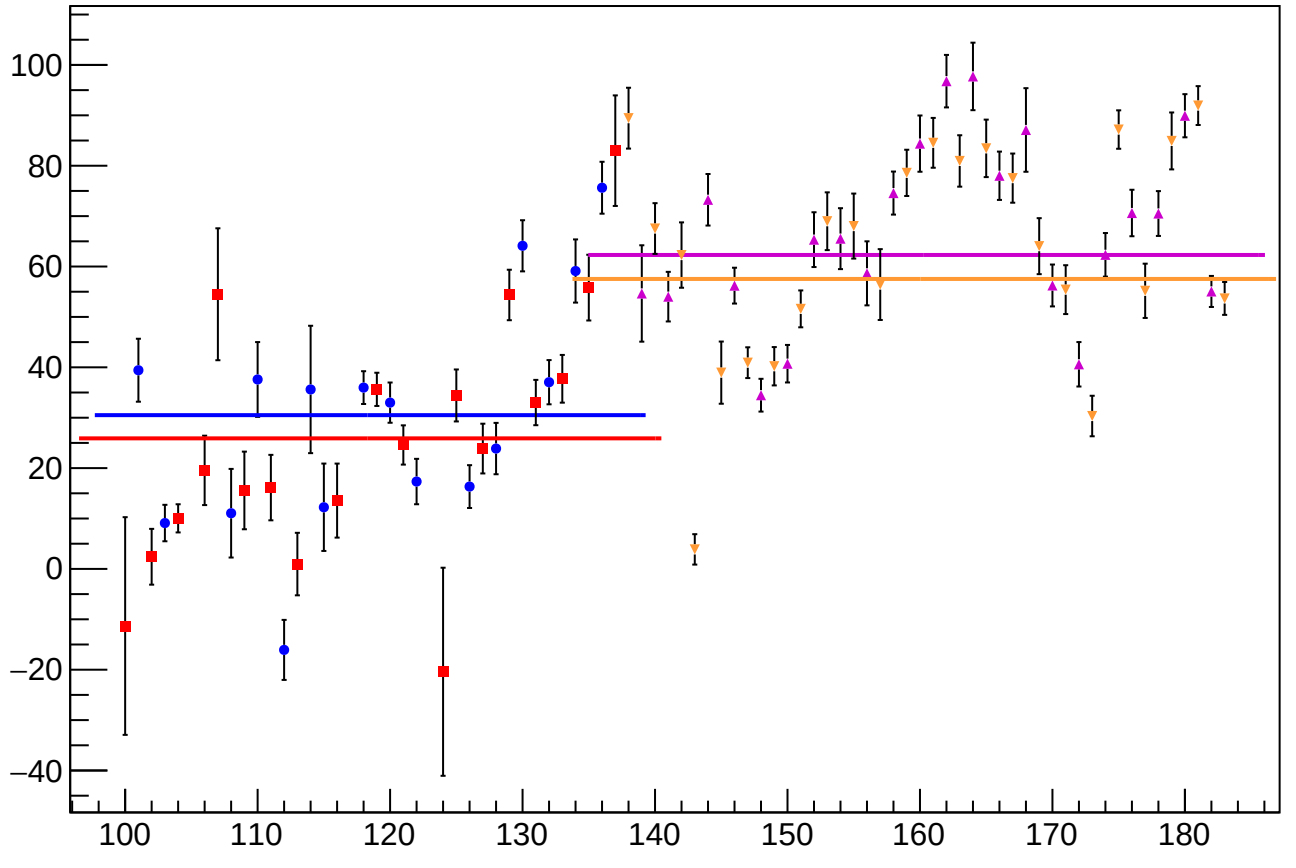
Left: 203.303+/-0.771 χ^2/NDF: 13453.7/45

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 189.877+/-0.799 χ^2/NDF:19001.8/37

Out: 170.693+/-0.766 χ^2/NDF:26312.3/42

All: 179.880+/-0.553 χ^2/NDF: 45614.5/80



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 57.535+/-0.919 χ^2/NDF:739.4/23

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 62.293+/-0.977 χ^2/NDF:314.4/21

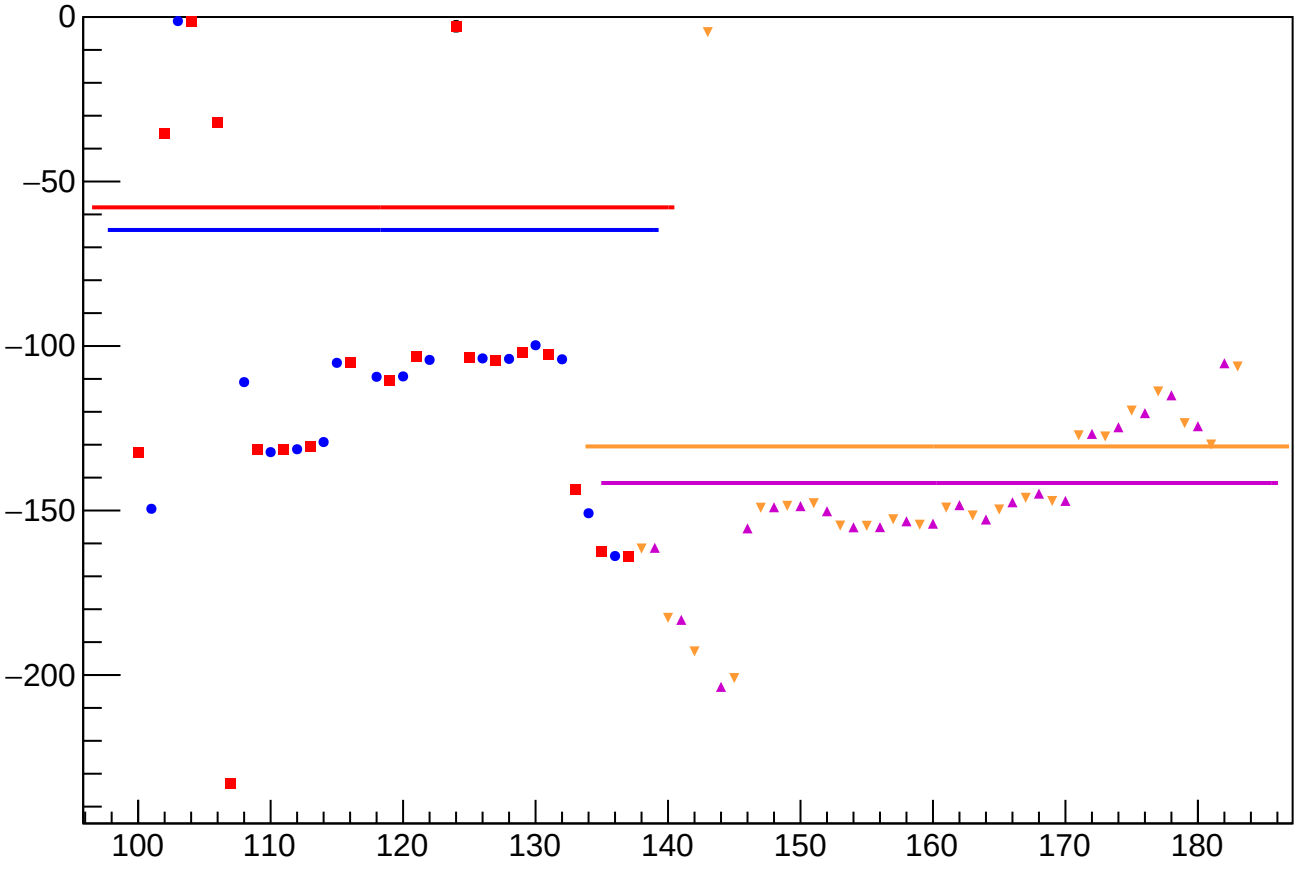
Left: 59.766+/-0.669 χ^2/NDF: 1066.3/45

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 50.288+/-0.771 χ^2/NDF:990.7/37

Out: 46.007+/-0.732 χ^2/NDF:1359.3/42

All: 48.037+/-0.531 χ^2/NDF: 2366.3/80



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -130.523+/-0.043 χ^2/NDF:1015599.5/23

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: -135.865+/-0.031 χ^2/NDF: 1283741.7/45

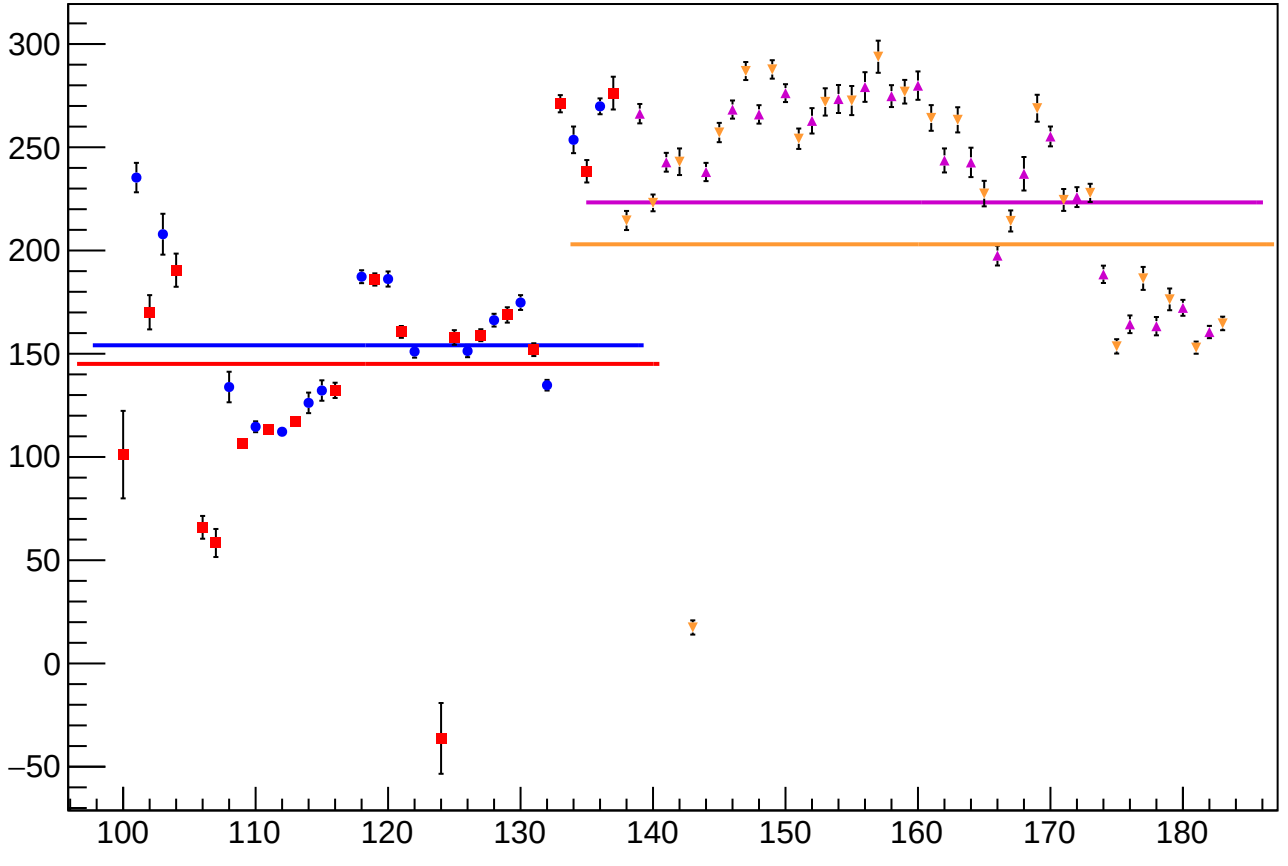
Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -116.482+/-0.036 χ^2/NDF:2258313.8/37

Out: -107.153+/-0.035 χ^2/NDF:2818869.8/42

All: -111.657+/-0.025 χ^2/NDF: 5111011.3/80

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: 203.006+/-0.961 χ^2/NDF:5478.8/23

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 223.296+/-1.020 χ^2/NDF:1932.9/21

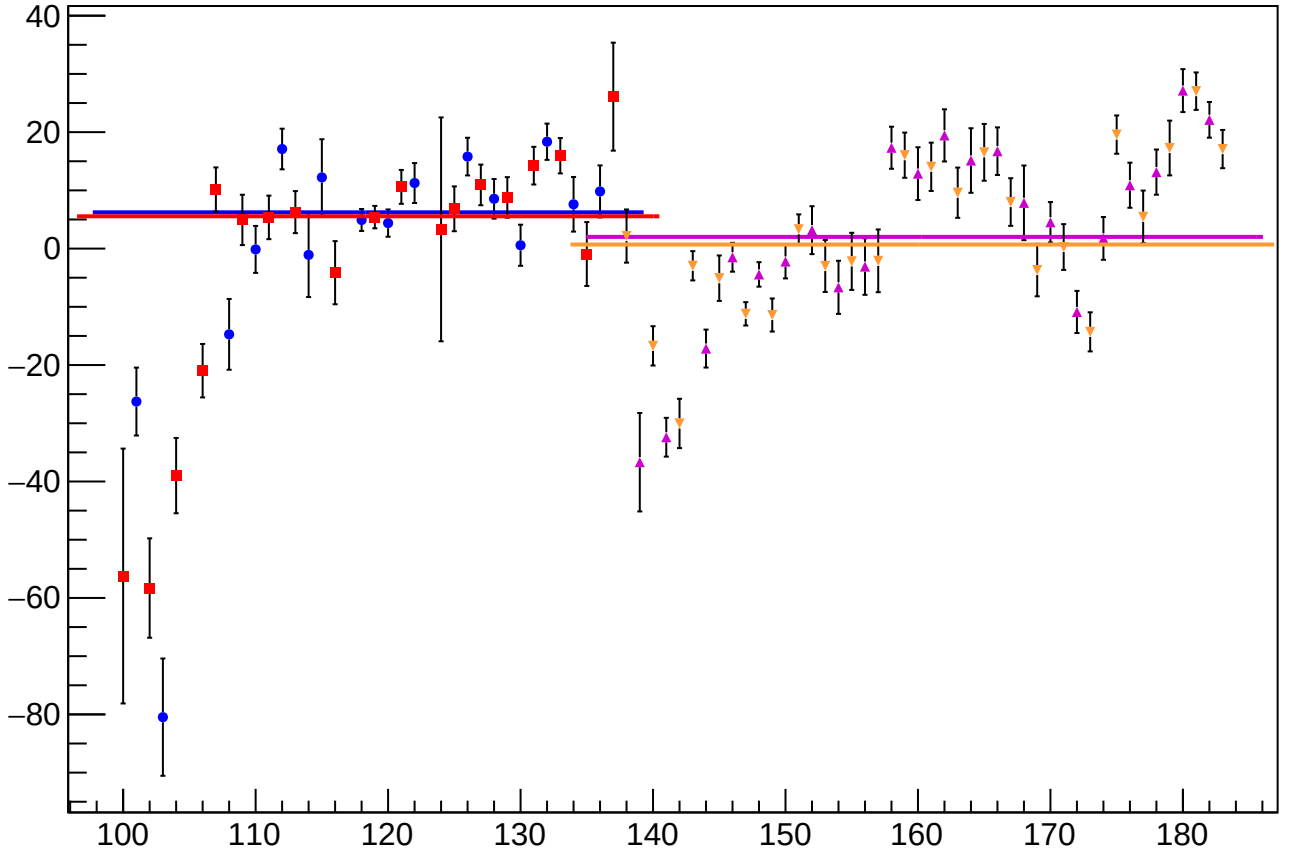
Left: 212.546+/-0.700 χ^2/NDF: 7621.2/45

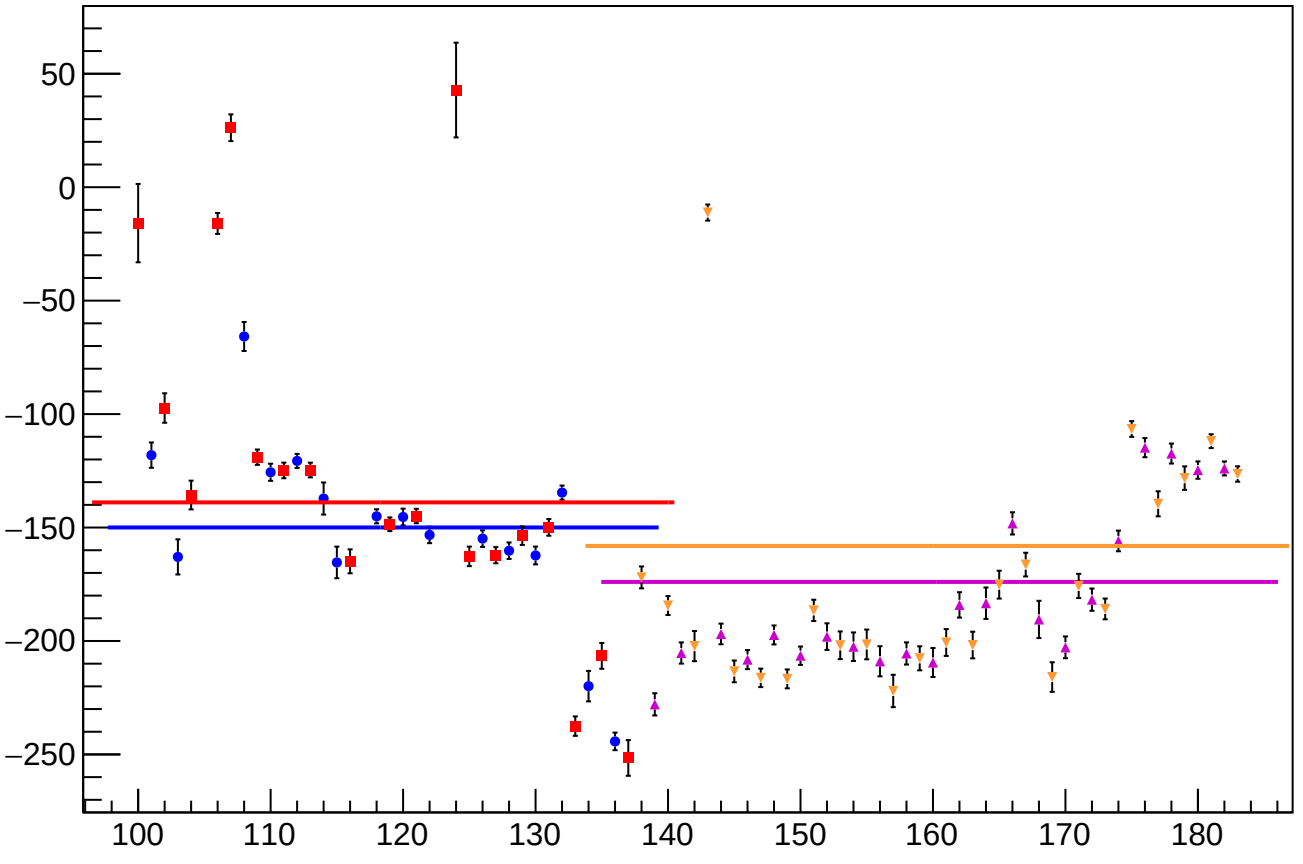
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 183.196+/-0.662 χ^2/NDF:6880.0/37

Out: 169.689+/-0.626 χ^2/NDF:10526.0/42

All: 176.075+/-0.455 χ^2/NDF: 17625.7/80


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: 0.702+/-0.720 χ²/NDF:342.8/23
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: 2.011+/-0.768 χ²/NDF:355.0/21
Left: 1.314+/-0.526 χ²/NDF: 699.4/45
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 3.812+/-0.582 χ²/NDF:530.0/37
Out: 2.622+/-0.560 χ²/NDF:541.9/42
All: 3.194+/-0.403 χ²/NDF: 1074.0/80



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -158.109+/-0.958 χ^2/NDF:3470.9/23

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -173.968+/-1.011 χ^2/NDF:1372.9/21

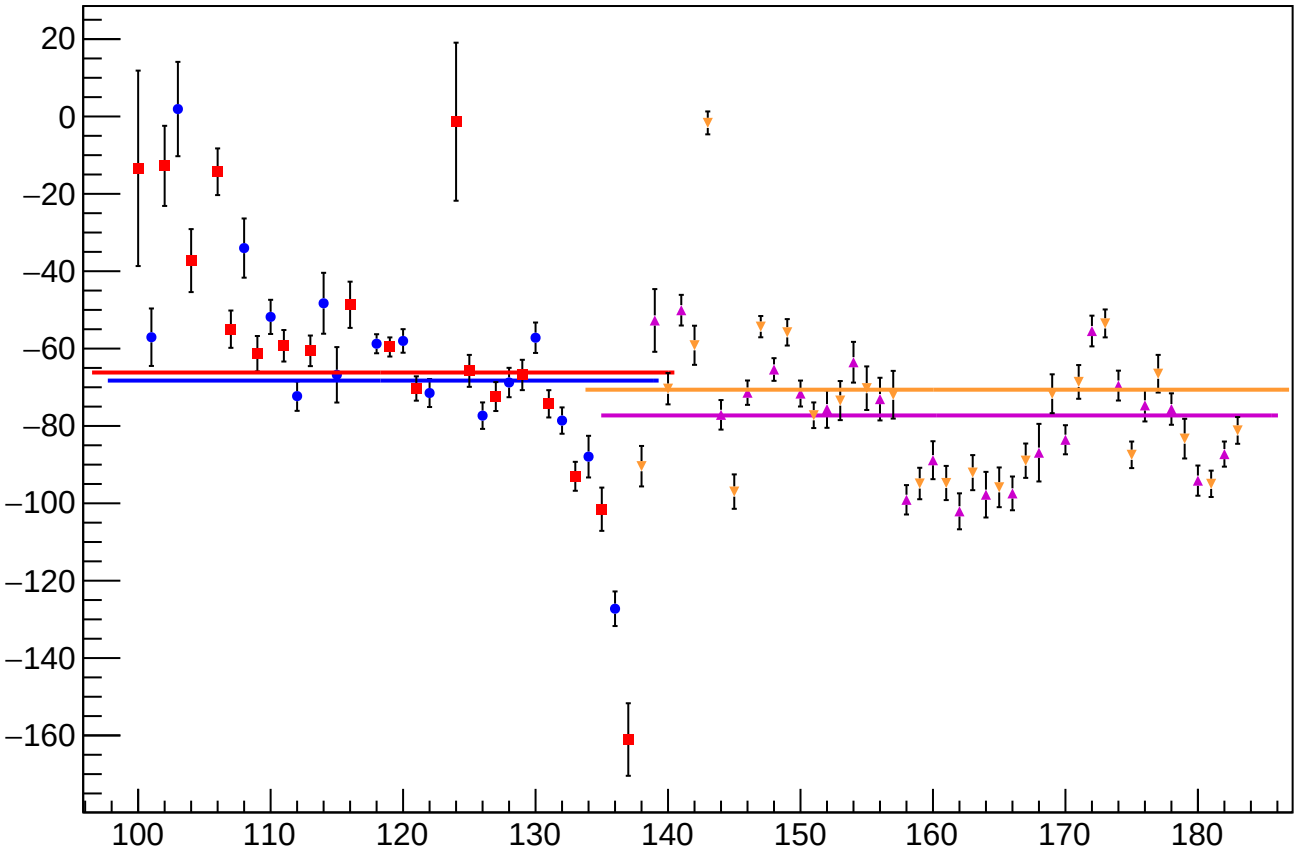
Left: -165.610+/-0.696 χ^2/NDF: 4973.4/45

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -162.138+/-0.720 χ^2/NDF:2750.0/37

Out: -148.858+/-0.690 χ^2/NDF:6415.2/42

All: -155.211+/-0.498 χ^2/NDF: 9342.6/80



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -70.627+/-0.828 χ^2/NDF:897.8/23

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -77.282+/-0.877 χ^2/NDF:254.3/21

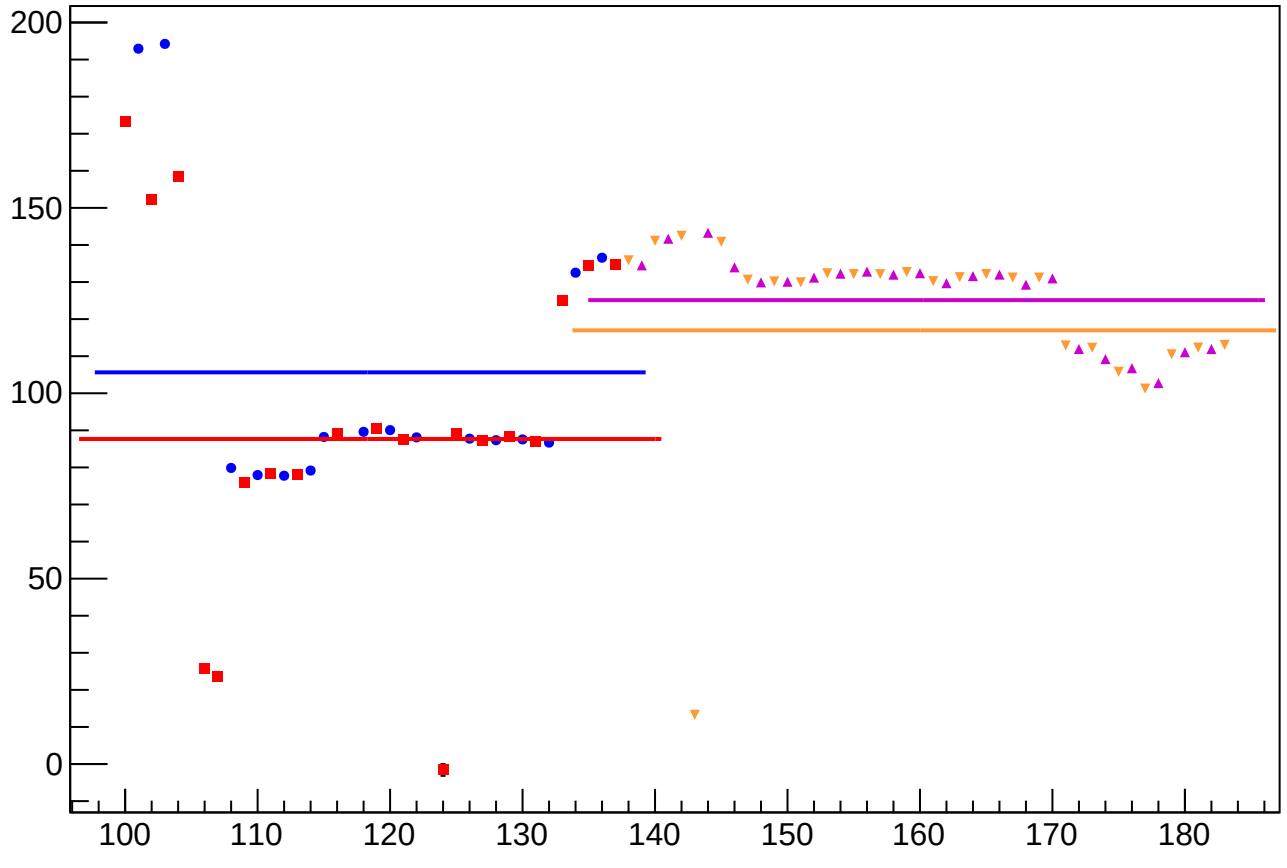
Left: -73.764+/-0.602 χ^2/NDF: 1182.6/45

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -73.511+/-0.668 χ^2/NDF:613.9/37

Out: -68.872+/-0.644 χ^2/NDF:1267.6/42

All: -71.104+/-0.464 χ^2/NDF: 1906.5/80



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 116.966+/-0.039 χ^2/NDF:622886.5/23

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 125.114+/-0.040 χ^2/NDF:86080.9/21

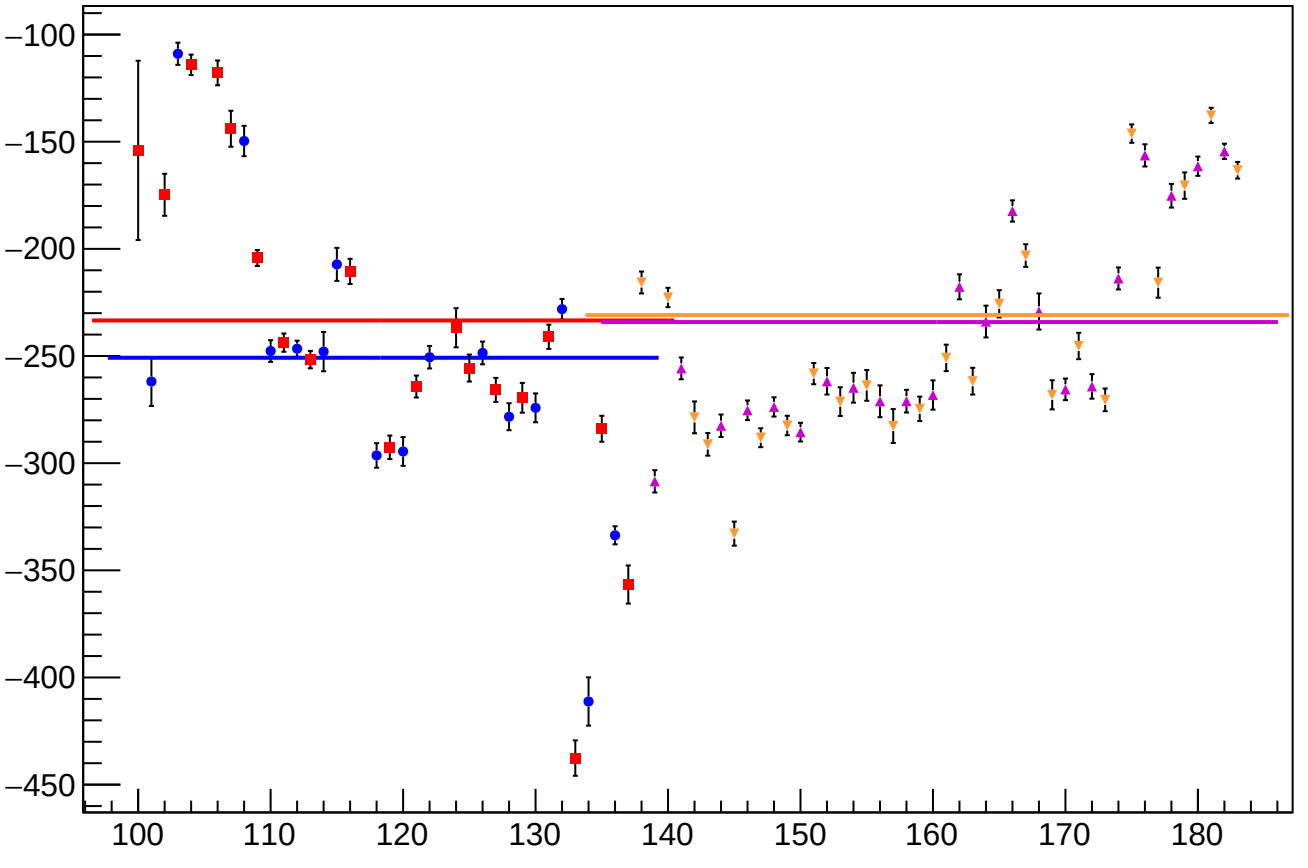
Left: 120.899+/-0.028 χ^2/NDF: 730574.6/45

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 120.429+/-0.035 χ^2/NDF:383098.8/37

Out: 109.461+/-0.033 χ^2/NDF:1145530.6/42

All: 114.699+/-0.024 χ^2/NDF: 1580690.4/80



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -230.907+/-1.089 χ^2/NDF:2628.8/23

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -234.159+/-1.124 χ^2/NDF:2044.2/21

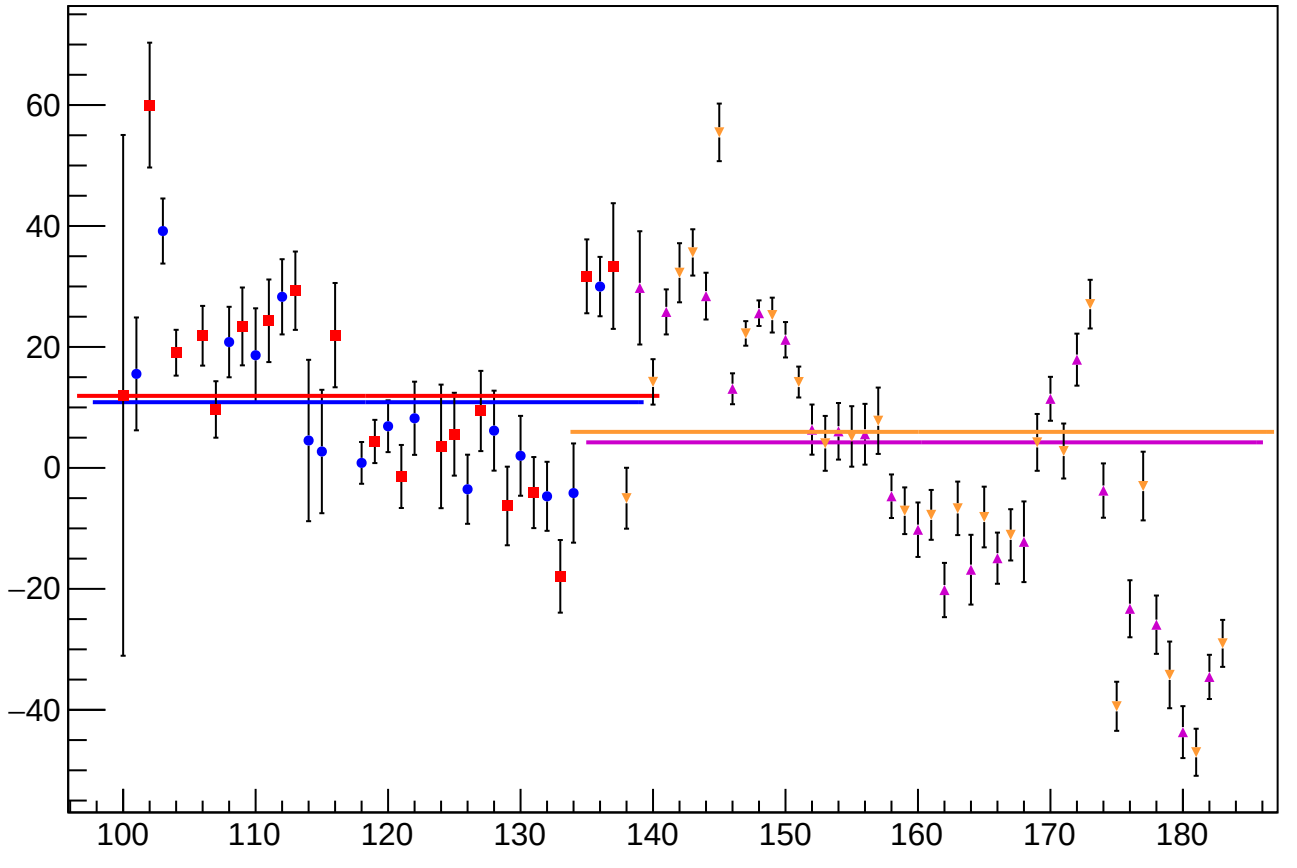
Left: -232.482+/-0.782 χ^2/NDF: 4677.4/45

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -240.470+/-0.885 χ^2/NDF:3863.2/37

Out: -231.902+/-0.843 χ^2/NDF:5009.4/42

All: -235.978+/-0.611 χ^2/NDF: 8921.7/80



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 5.960+/-0.794 χ^2/NDF:856.7/23

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 4.226+/-0.825 χ^2/NDF:641.5/21

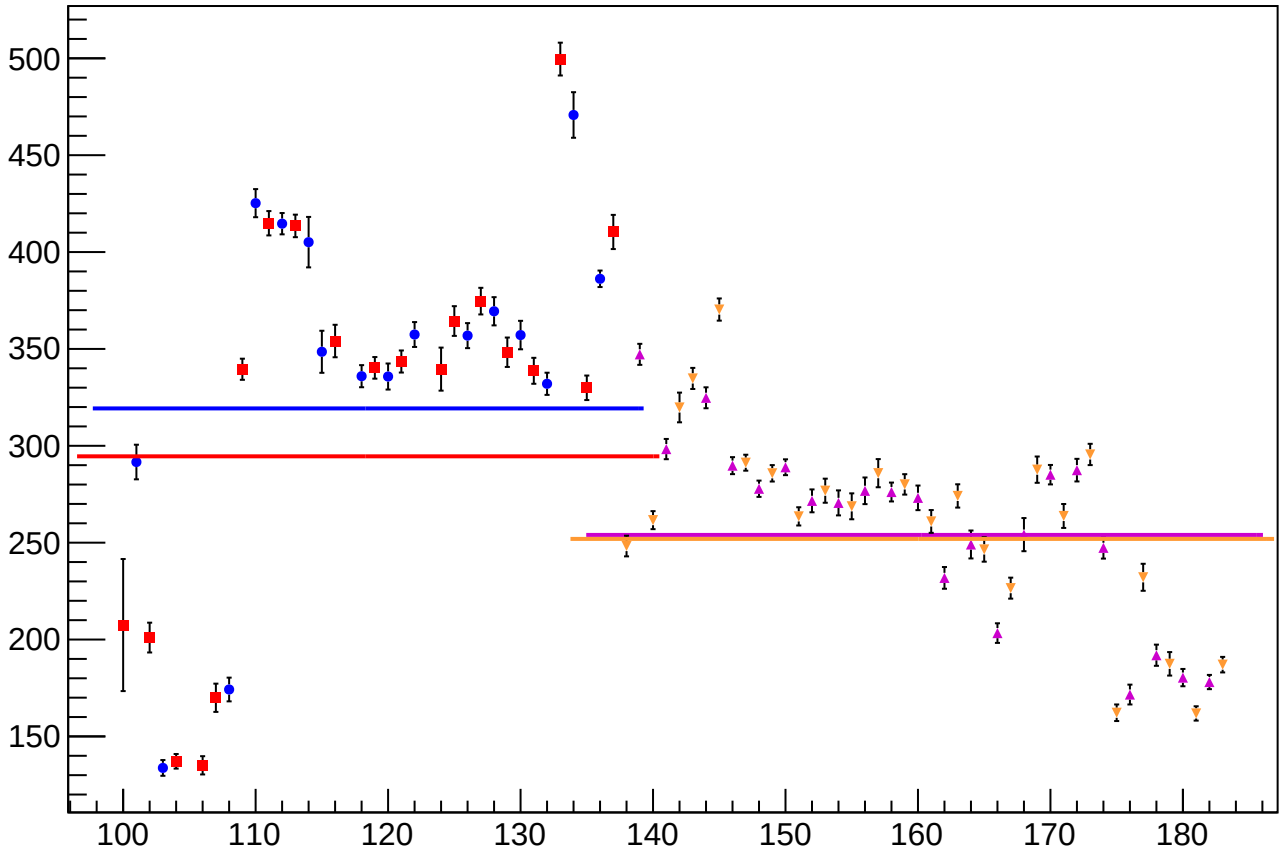
Left: 5.127+/-0.572 χ^2/NDF: 1500.4/45

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 5.816+/-0.720 χ^2/NDF:741.6/37

Out: 7.460+/-0.686 χ^2/NDF:982.8/42

All: 6.677+/-0.497 χ^2/NDF: 1727.1/80



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 251.943+/-1.078 χ^2/NDF:2525.3/23

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: 252.943+/-0.773 χ^2/NDF: 4568.9/45

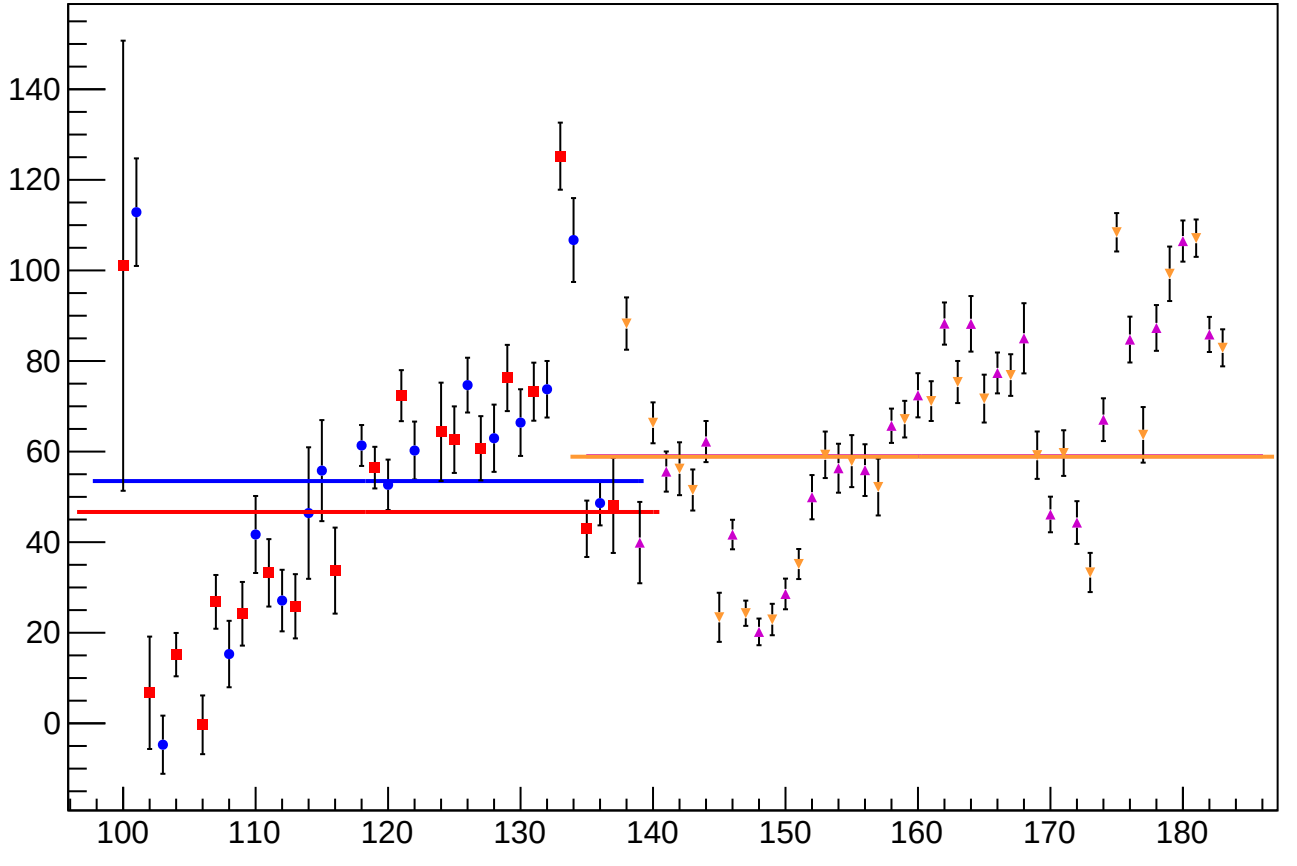
Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 275.408+/-0.908 χ^2/NDF:6973.8/37

Out: 266.702+/-0.872 χ^2/NDF:8569.7/42

All: 270.877+/-0.629 χ^2/NDF: 15591.3/80

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 58.871+/-0.918 χ^2/NDF:822.2/23

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 58.981+/-0.948 χ^2/NDF:630.8/21

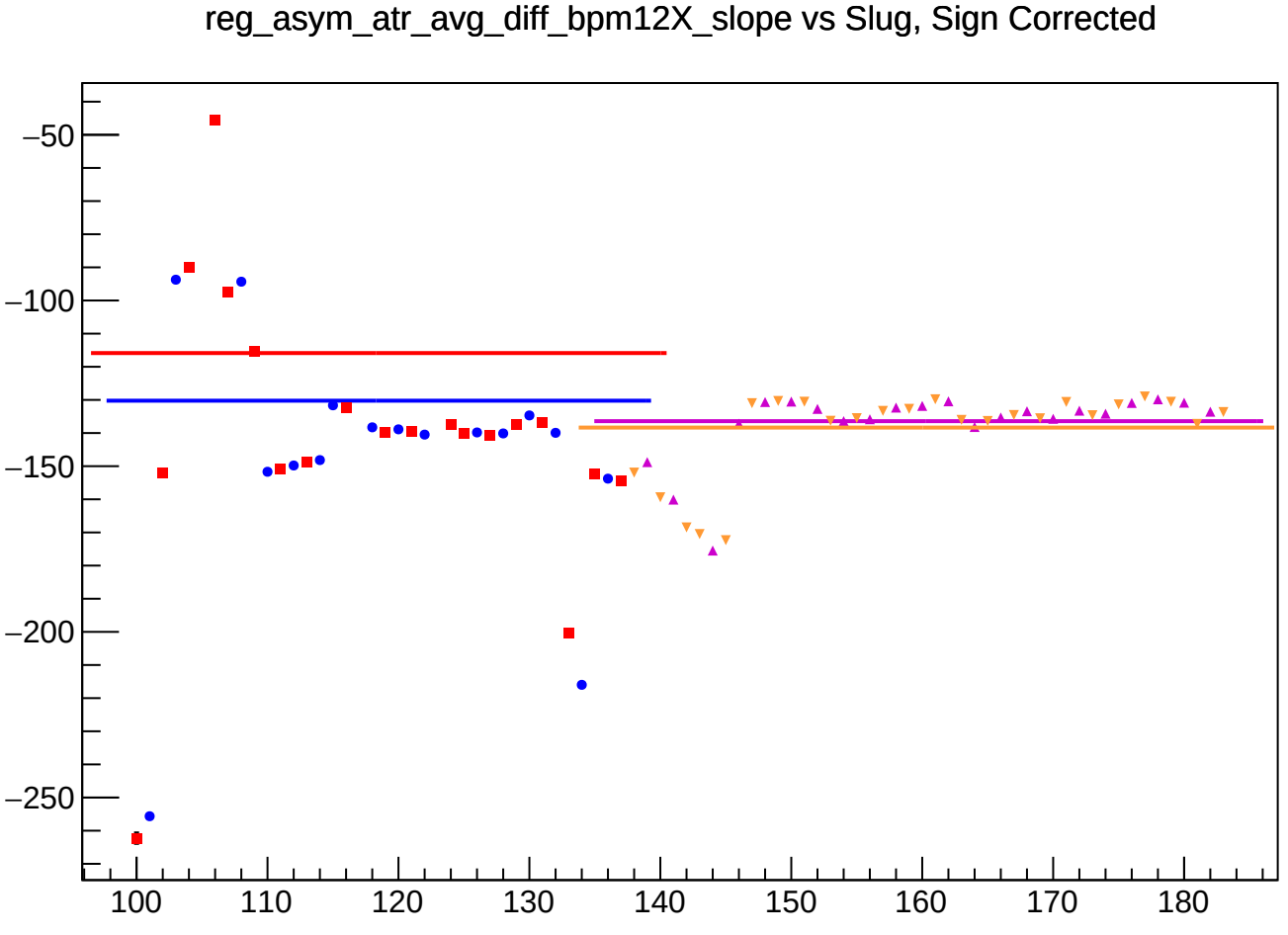
Left: 58.924+/-0.659 χ^2/NDF: 1453.0/45

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

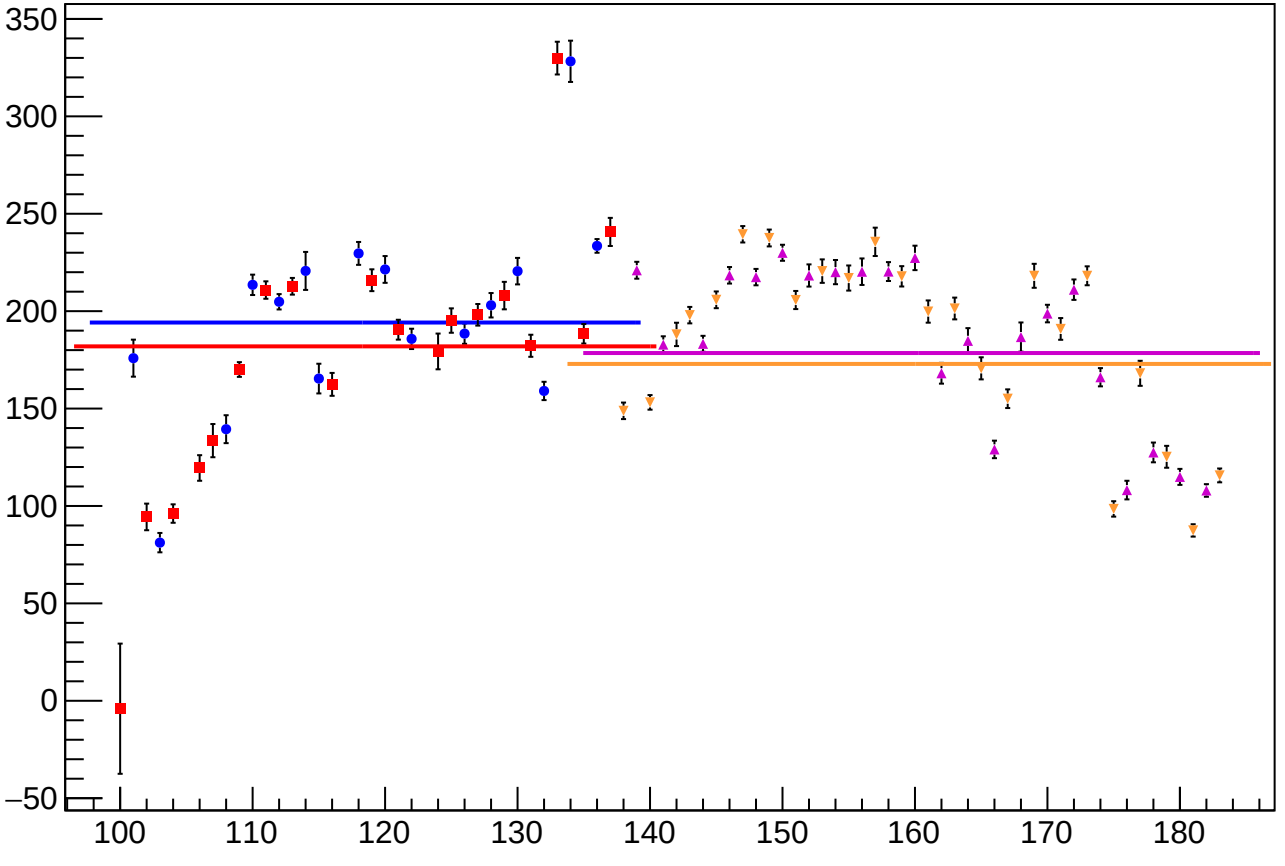
In: 57.678+/-0.828 χ^2/NDF:856.0/37

Out: 55.831+/-0.795 χ^2/NDF:1191.9/42

All: 56.718+/-0.573 χ^2/NDF: 2050.5/80


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: -138.349+/-0.043 χ²/NDF:81339.6/23
Right Out: -115.865+/-0.086 χ²/NDF: 205899.4/18
Left In: -136.415+/-0.043 χ²/NDF:49788.1/21
Left: -137.392+/-0.030 χ²/NDF: 132133.1/45
Right: -122.615+/-0.062 χ²/NDF: 393311.6/34
In: -135.275+/-0.039 χ²/NDF:227749.2/37
Out: -133.843+/-0.038 χ²/NDF:342252.7/42
All: -134.545+/-0.027 χ²/NDF: 570683.7/80

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 172.913+/-0.969 χ^2/NDF:2563.2/23

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 178.508+/-1.010 χ^2/NDF:1920.7/21

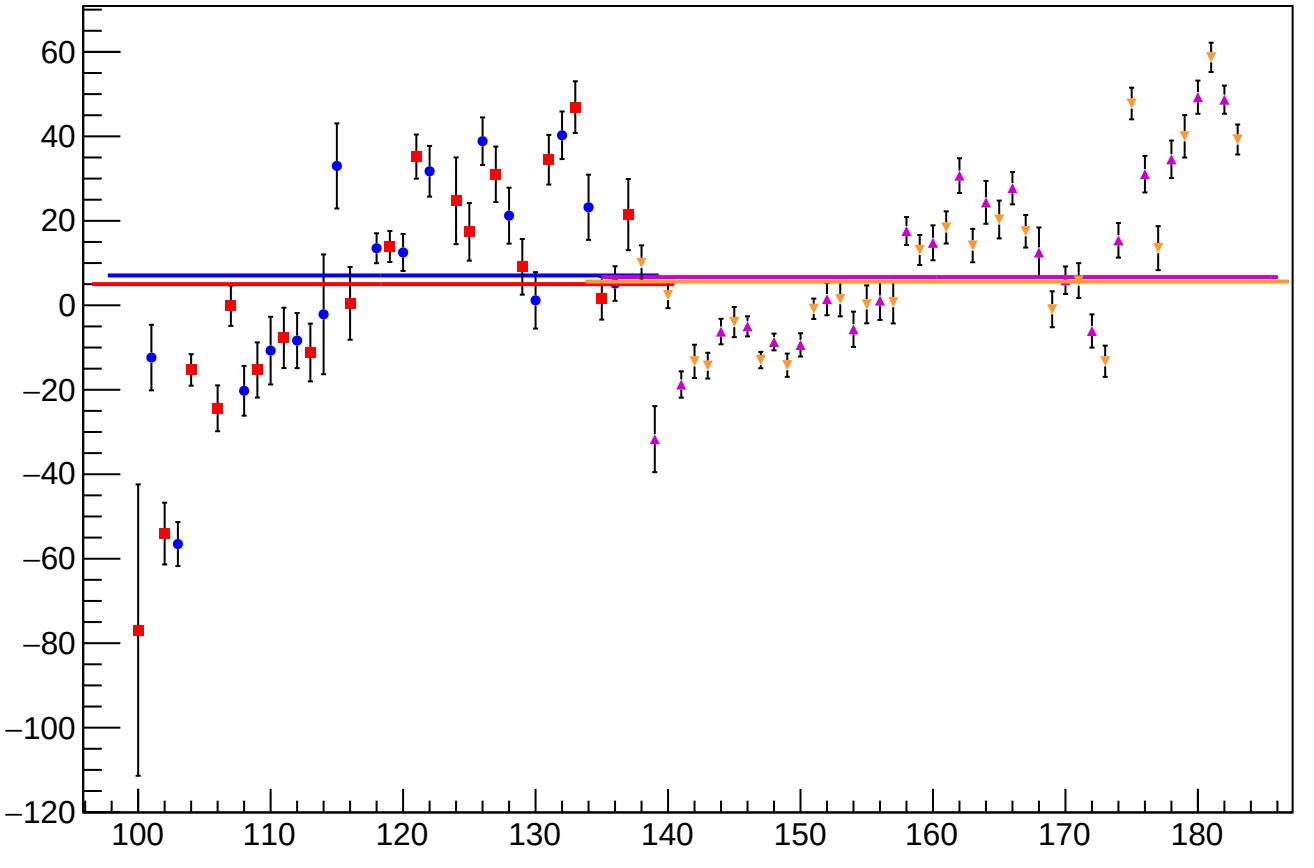
Left: 175.596+/-0.699 χ^2/NDF: 4499.9/45

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 183.834+/-0.820 χ^2/NDF:3037.7/37

Out: 176.066+/-0.782 χ^2/NDF:3798.2/42

All: 179.762+/-0.566 χ^2/NDF: 6882.9/80



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 5.614+/-0.714 χ^2/NDF:799.0/23

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: 6.676+/-0.748 χ^2/NDF:694.4/21

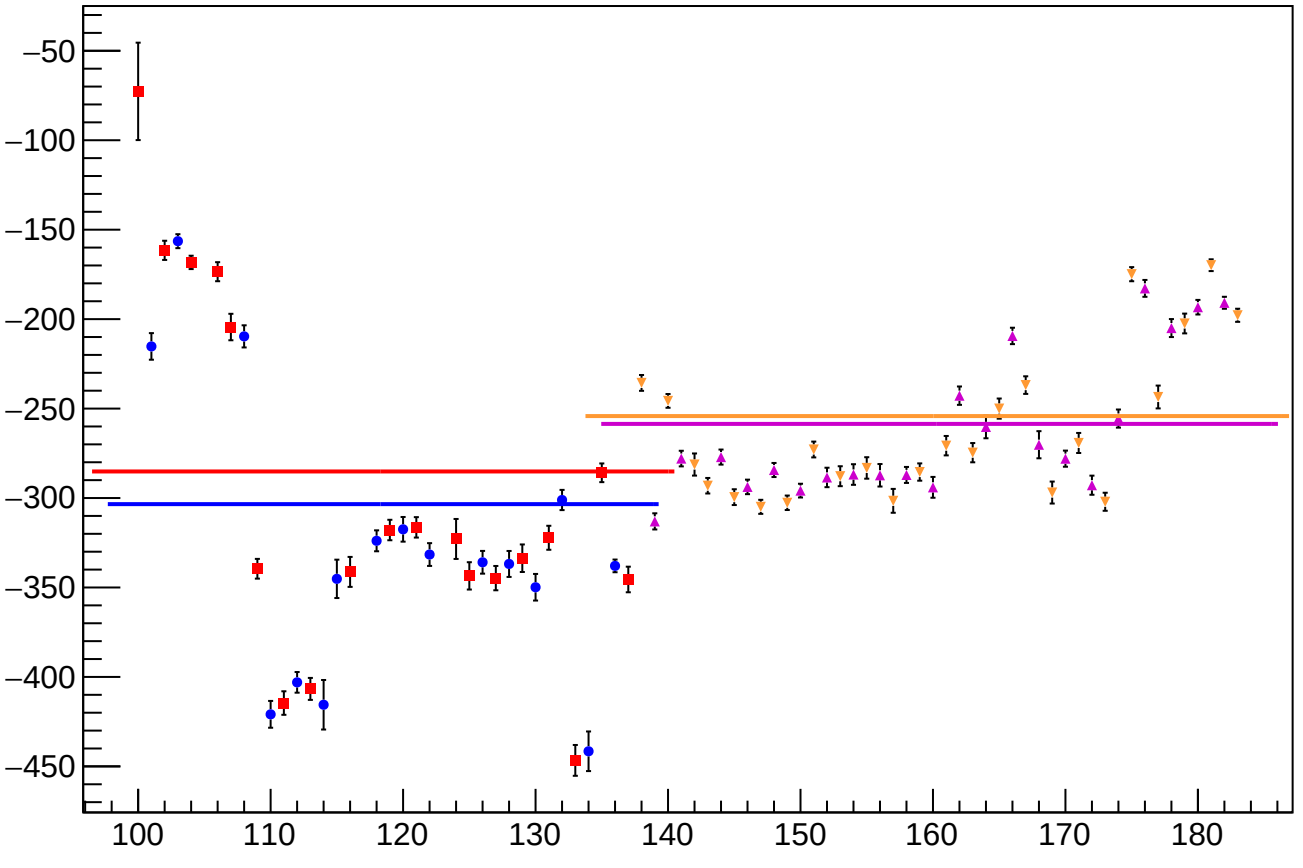
Left: 6.121+/-0.517 χ^2/NDF: 1494.5/45

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 6.758+/-0.664 χ^2/NDF:987.1/37

Out: 5.484+/-0.632 χ^2/NDF:1087.7/42

All: 6.090+/-0.458 χ^2/NDF: 2076.7/80



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -254.187+/-0.963 χ^2/NDF:2276.1/23

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -258.561+/-0.998 χ^2/NDF:1772.3/21

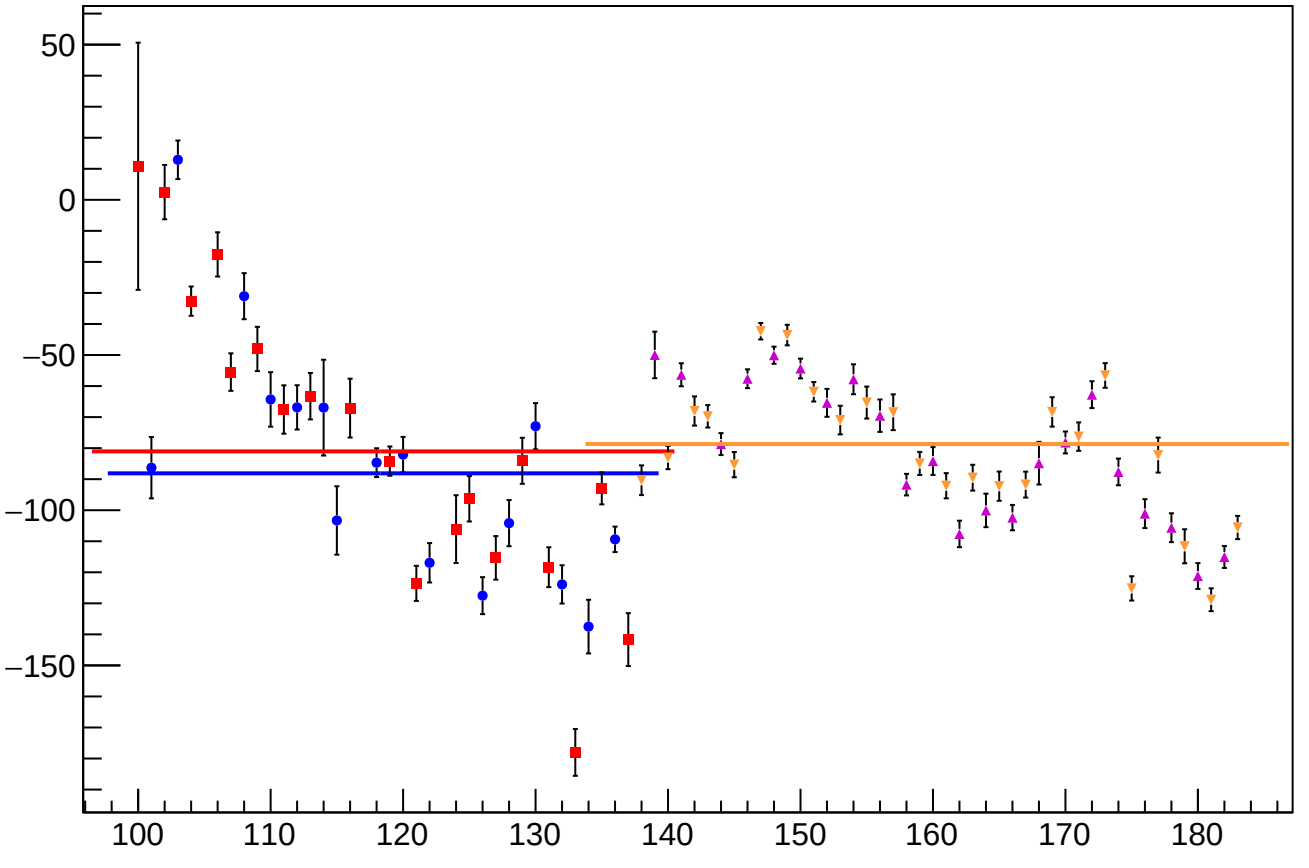
Left: -256.296+/-0.693 χ^2/NDF: 4058.4/45

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -271.945+/-0.836 χ^2/NDF:5160.6/37

Out: -263.654+/-0.802 χ^2/NDF:6347.0/42

All: -267.630+/-0.579 χ^2/NDF: 11558.8/80



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -78.656+/-0.824 χ^2/NDF:853.4/23

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -78.688+/-0.857 χ^2/NDF:693.0/21

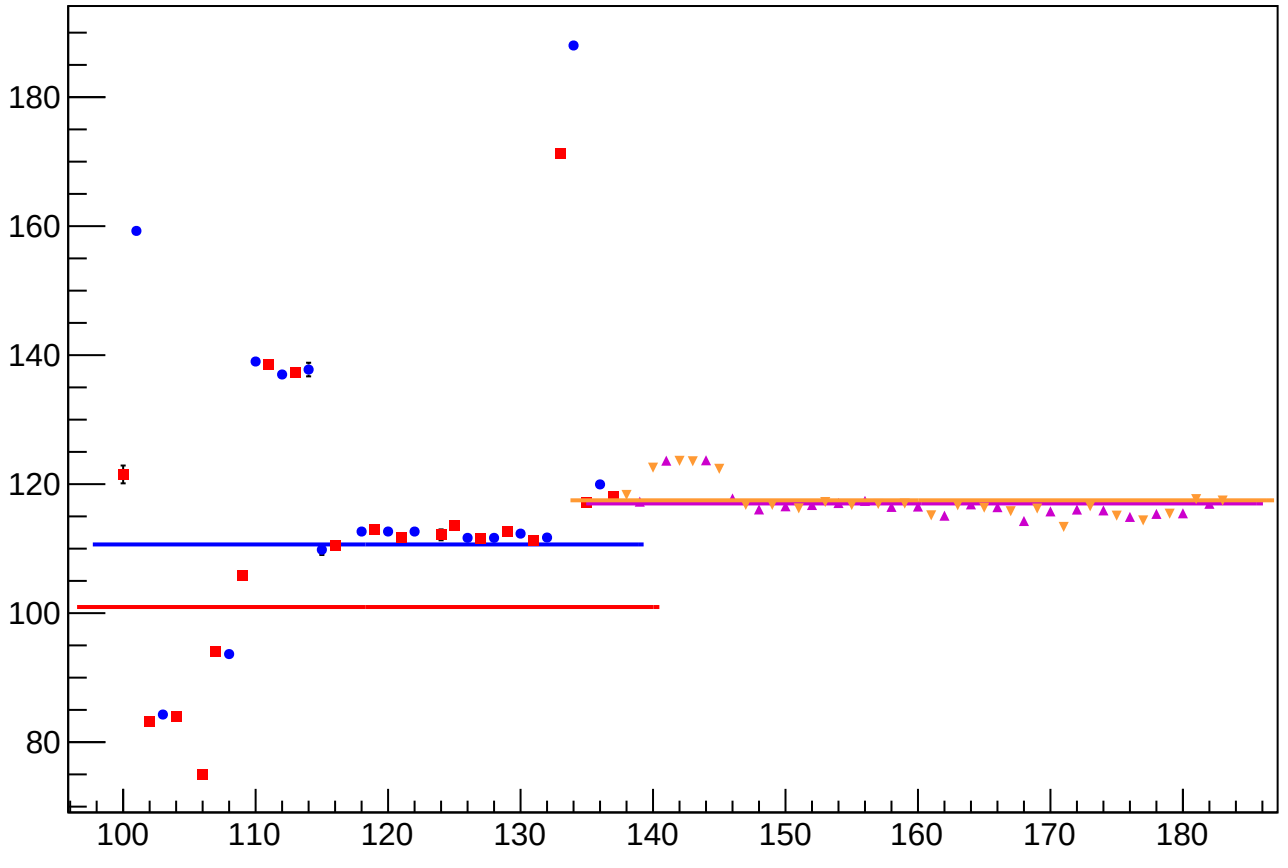
Left: -78.671+/-0.594 χ^2/NDF: 1546.3/45

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -80.684+/-0.761 χ^2/NDF:1230.5/37

Out: -79.173+/-0.730 χ^2/NDF:1532.7/42

All: -79.896+/-0.527 χ^2/NDF: 2765.3/80



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.494+/-0.038 χ^2/NDF:4729.2/23

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.006+/-0.039 χ^2/NDF:3296.3/21

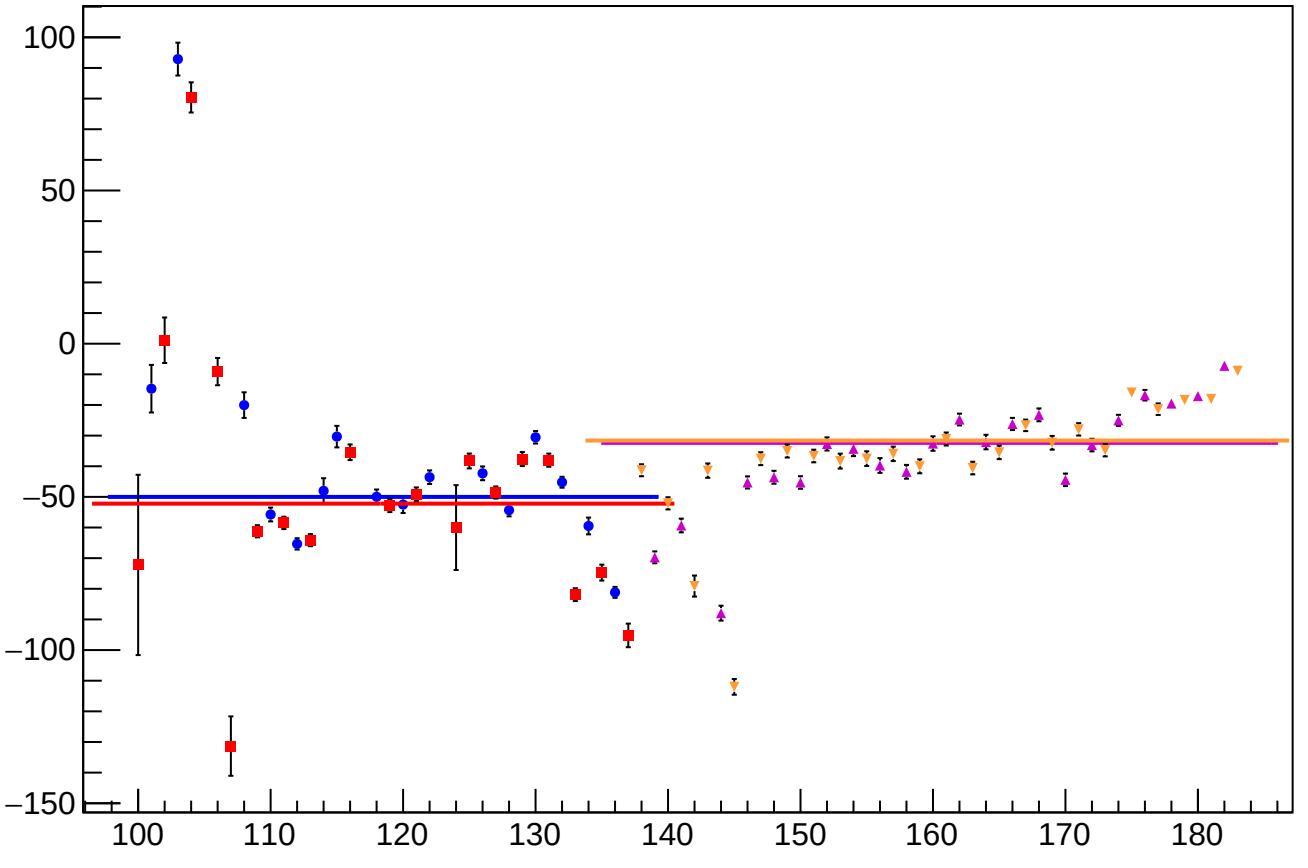
Left: 117.254+/-0.027 χ^2/NDF: 8104.7/45

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.916+/-0.036 χ^2/NDF:91362.0/37

Out: 114.460+/-0.035 χ^2/NDF:100826.3/42

All: 115.170+/-0.025 χ^2/NDF: 193048.4/80



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -31.613+/-0.402 χ^2/NDF:1982.5/23

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -32.369+/-0.415 χ^2/NDF:1886.8/21

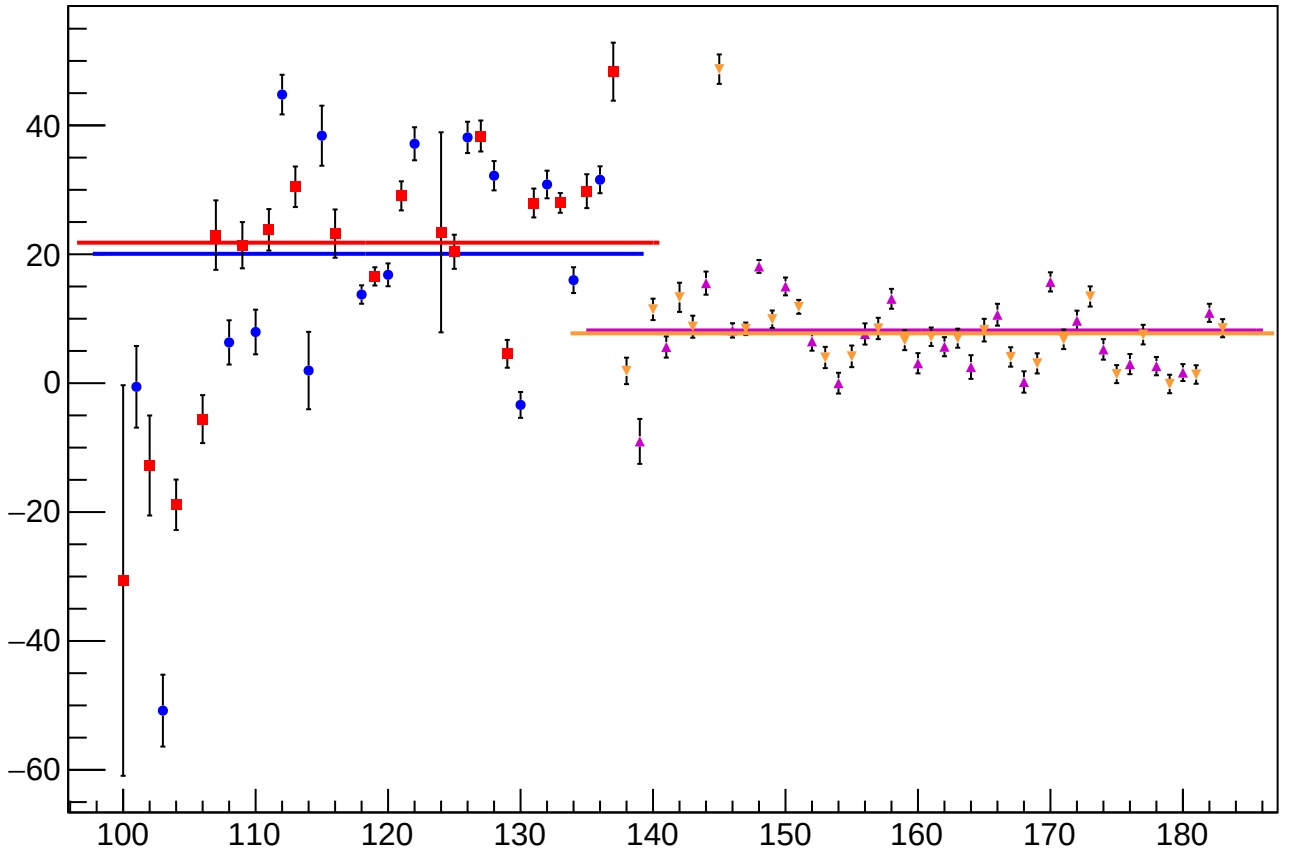
Left: -31.979+/-0.289 χ^2/NDF: 3871.0/45

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -37.948+/-0.343 χ^2/NDF:3785.9/37

Out: -37.924+/-0.335 χ^2/NDF:4356.4/42

All: -37.936+/-0.240 χ^2/NDF: 8142.3/80



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 7.735+/-0.306 χ^2/NDF:469.0/23

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 8.182+/-0.318 χ^2/NDF:337.8/21

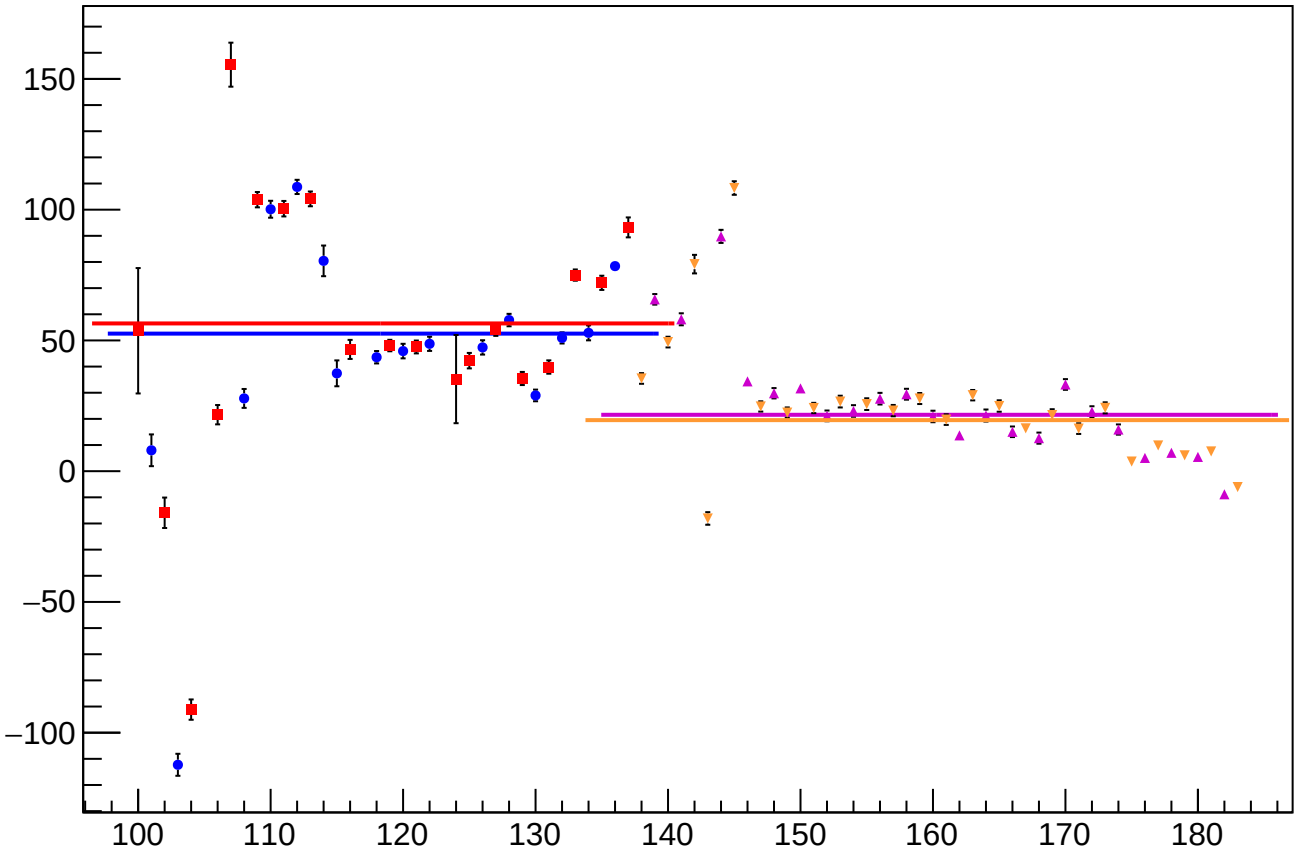
Left: 7.949+/-0.221 χ^2/NDF: 807.9/45

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 10.714+/-0.282 χ^2/NDF:1271.2/37

Out: 10.474+/-0.274 χ^2/NDF:1277.0/42

All: 10.591+/-0.197 χ^2/NDF: 2548.6/80



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 19.521+/-0.399 χ^2/NDF:2668.5/23

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: 20.513+/-0.286 χ^2/NDF: 5140.8/45

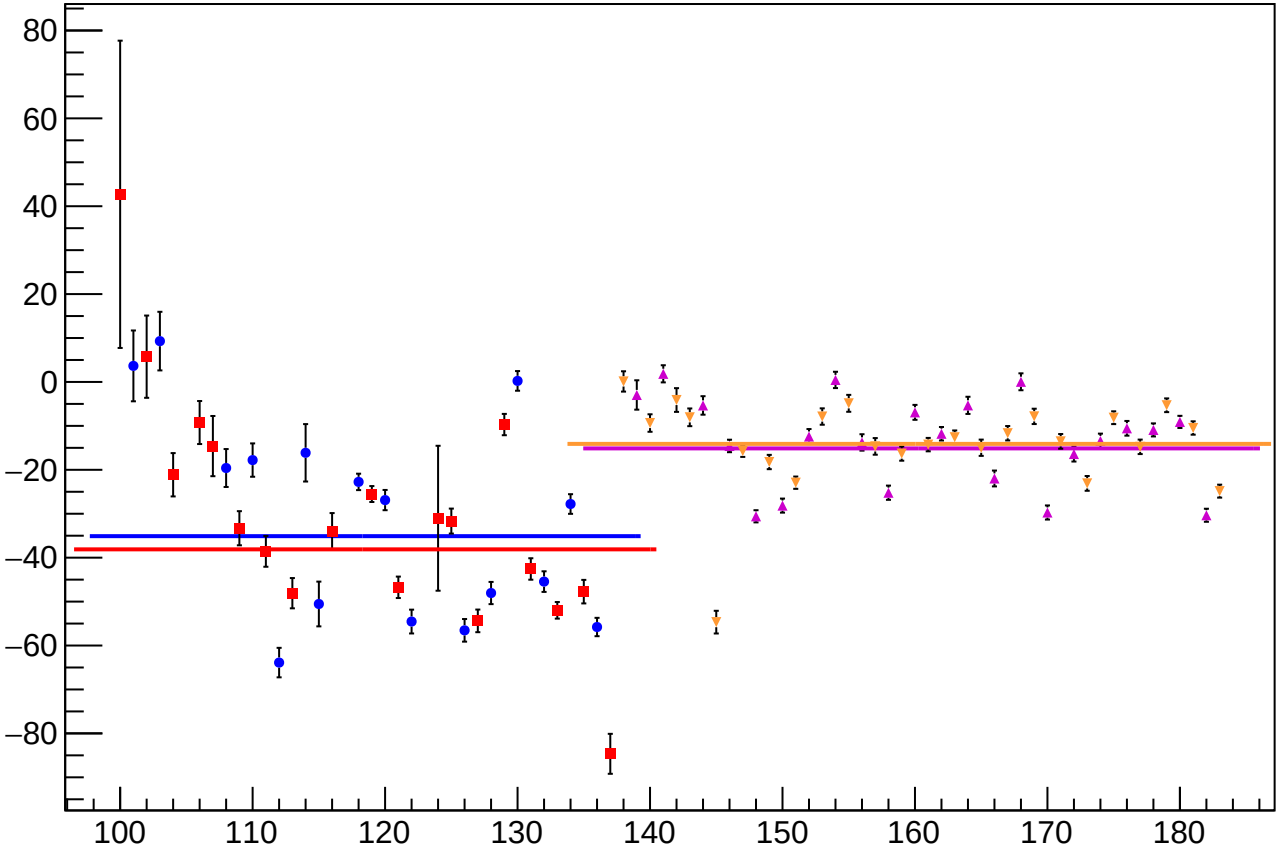
Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 29.552+/-0.353 χ^2/NDF:6594.8/37

Out: 28.468+/-0.347 χ^2/NDF:7716.9/42

All: 29.001+/-0.248 χ^2/NDF: 14316.5/80

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.100+/-0.346 χ^2/NDF:549.0/23

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -15.129+/-0.359 χ^2/NDF:766.6/21

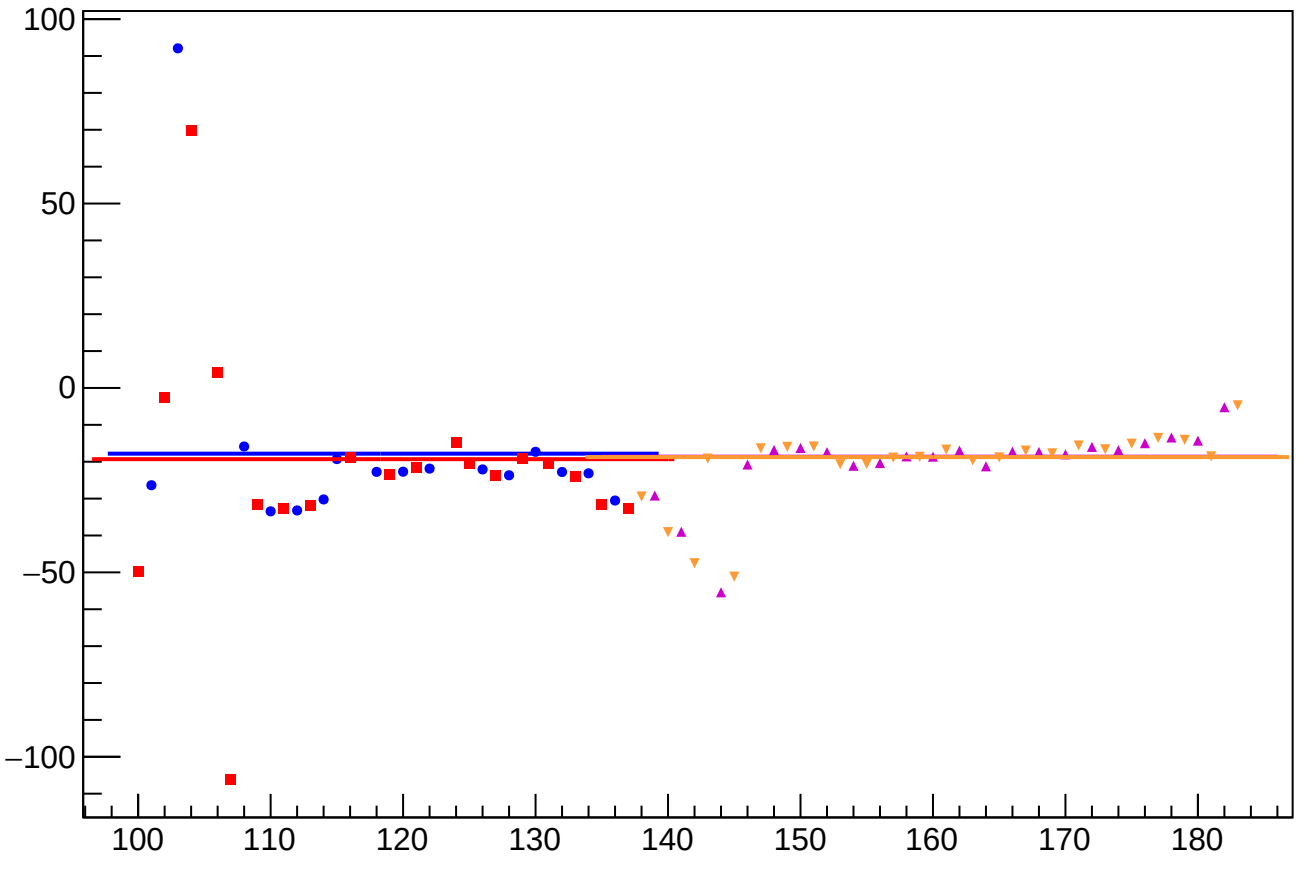
Left: -14.597+/-0.249 χ^2/NDF: 1319.9/45

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -19.286+/-0.319 χ^2/NDF:2184.4/37

Out: -18.678+/-0.312 χ^2/NDF:1979.1/42

All: -18.975+/-0.223 χ^2/NDF: 4165.4/80



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -18.739+/-0.016 χ^2/NDF:277804.1/23

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -18.633+/-0.016 χ^2/NDF:238042.6/21

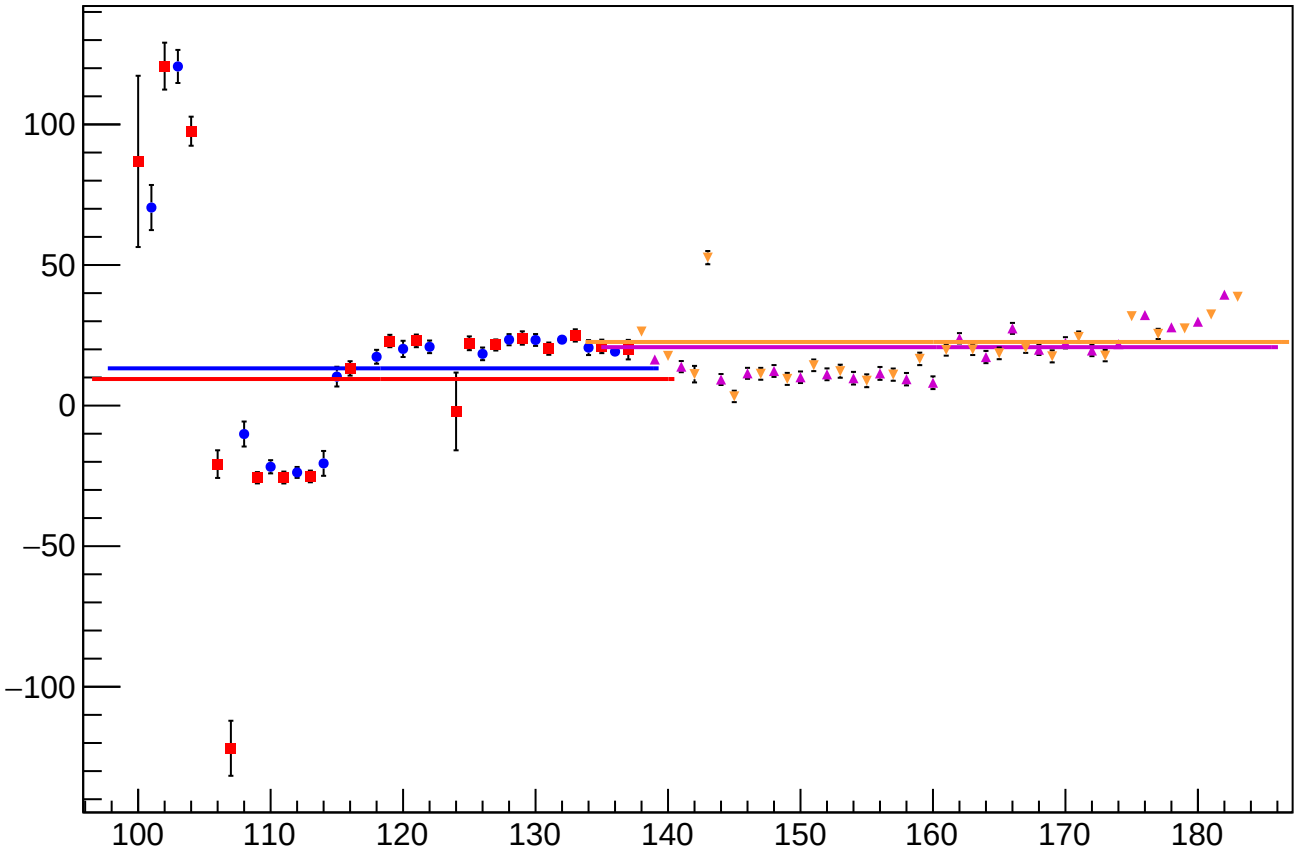
Left: -18.687+/-0.011 χ^2/NDF: 515869.6/45

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -18.535+/-0.015 χ^2/NDF:664461.1/37

Out: -18.798+/-0.015 χ^2/NDF:622568.7/42

All: -18.668+/-0.011 χ^2/NDF: 1287186.2/80



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 22.629+/-0.385 χ^2/NDF:713.7/23

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 20.780+/-0.398 χ^2/NDF:552.2/21

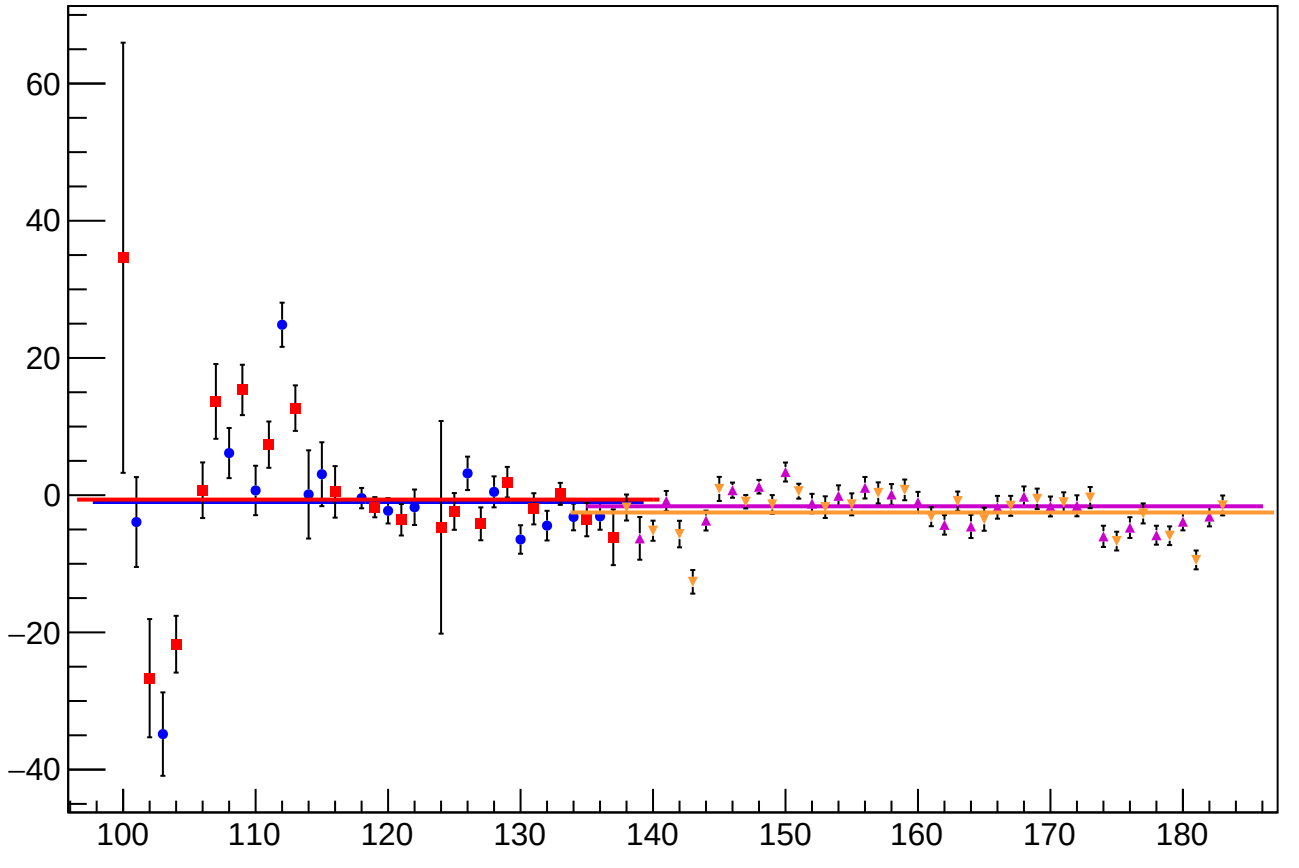
Left: 21.733+/-0.277 χ^2/NDF: 1277.1/45

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 18.559+/-0.334 χ^2/NDF:1840.5/37

Out: 18.914+/-0.327 χ^2/NDF:2880.1/42

All: 18.740+/-0.233 χ^2/NDF: 4721.1/80



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.524+/-0.295 χ^2/NDF:113.6/23

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -1.620+/-0.306 χ^2/NDF:69.1/21

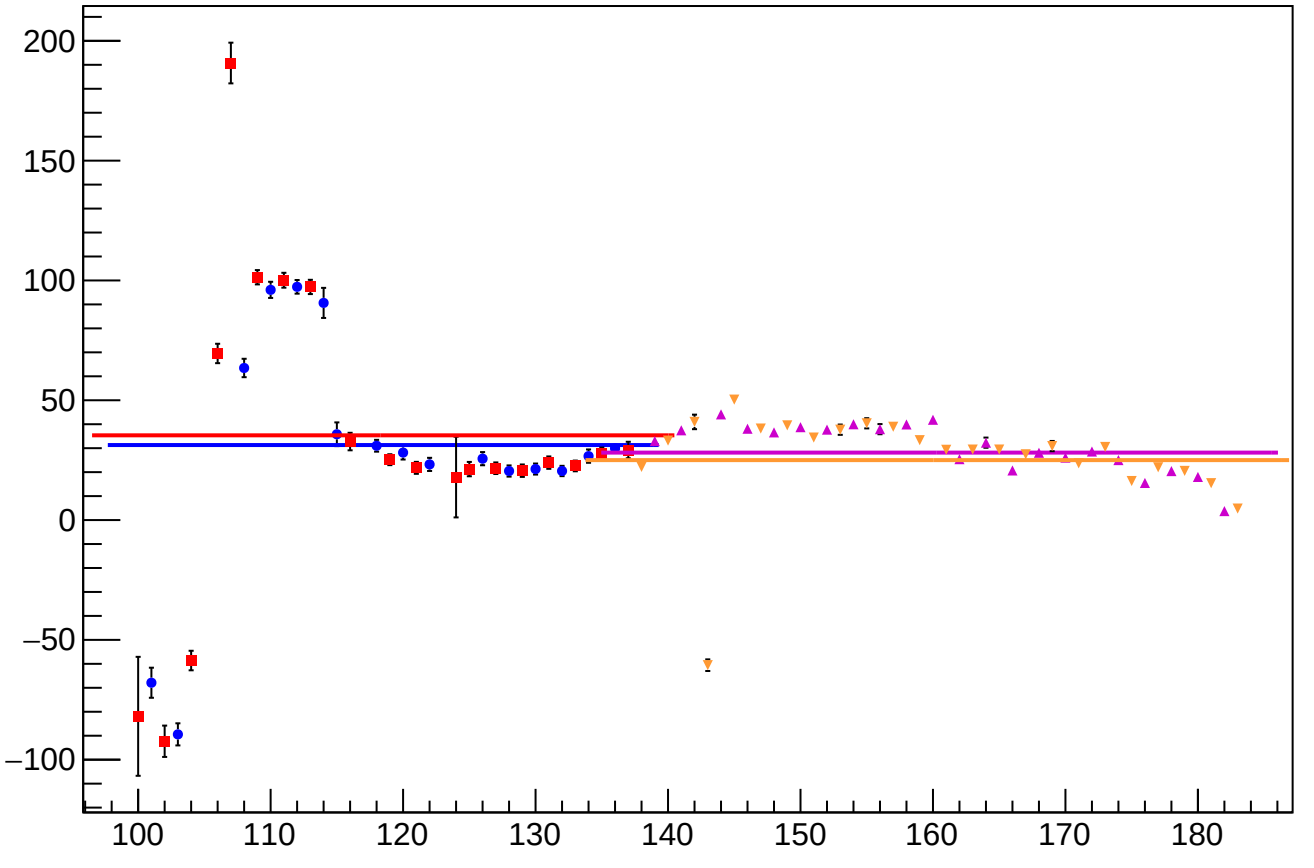
Left: -2.089+/-0.212 χ^2/NDF: 187.2/45

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -1.497+/-0.275 χ^2/NDF:186.3/37

Out: -2.191+/-0.267 χ^2/NDF:215.0/42

All: -1.853+/-0.192 χ^2/NDF: 404.6/80



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 25.019+/-0.382 χ^2/NDF:2033.6/23

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 28.154+/-0.393 χ^2/NDF:775.6/21

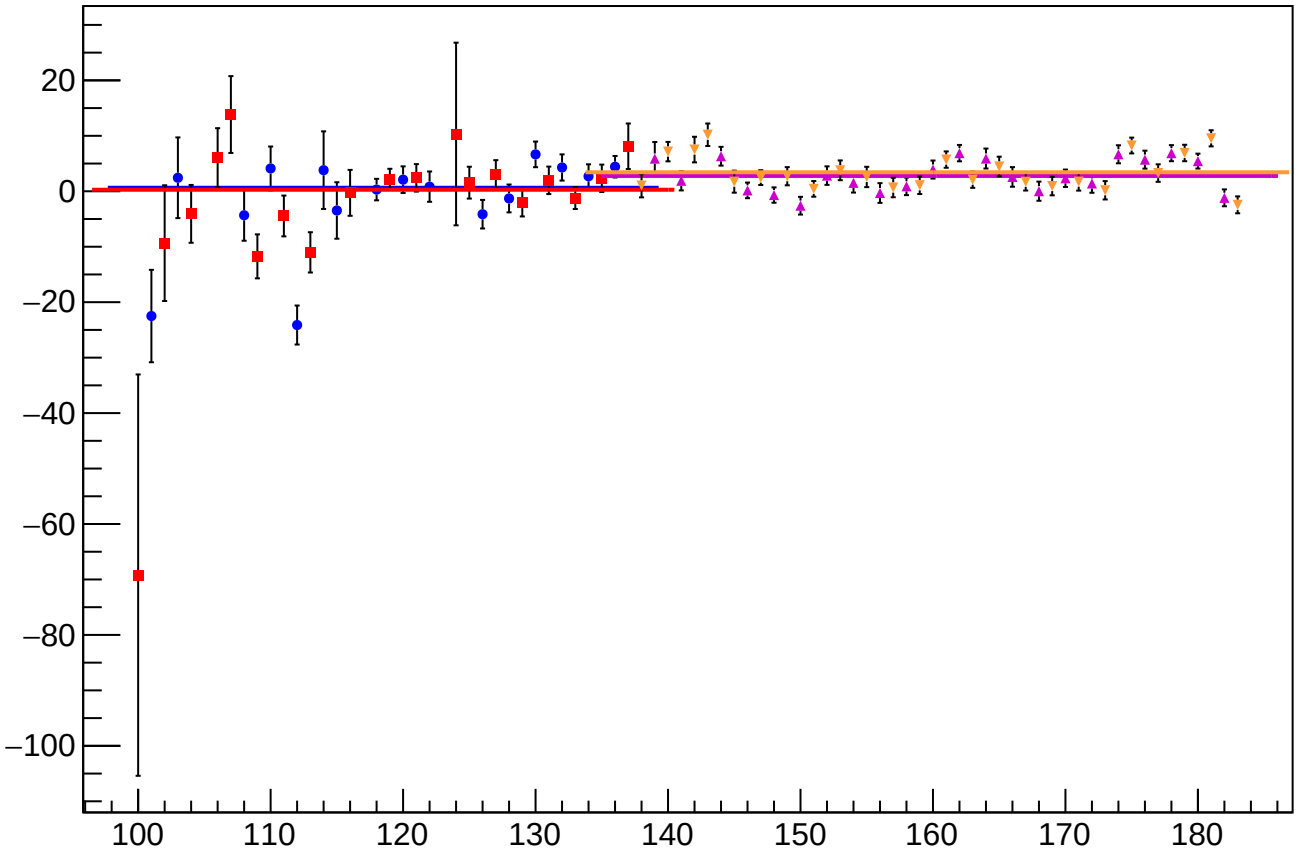
Left: 26.542+/-0.274 χ^2/NDF: 2841.9/45

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 28.911+/-0.343 χ^2/NDF:2877.0/37

Out: 27.308+/-0.337 χ^2/NDF:5093.4/42

All: 28.096+/-0.240 χ^2/NDF: 7981.5/80



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.428+/-0.333 χ^2/NDF:92.4/23

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.764+/-0.345 χ^2/NDF:73.9/21

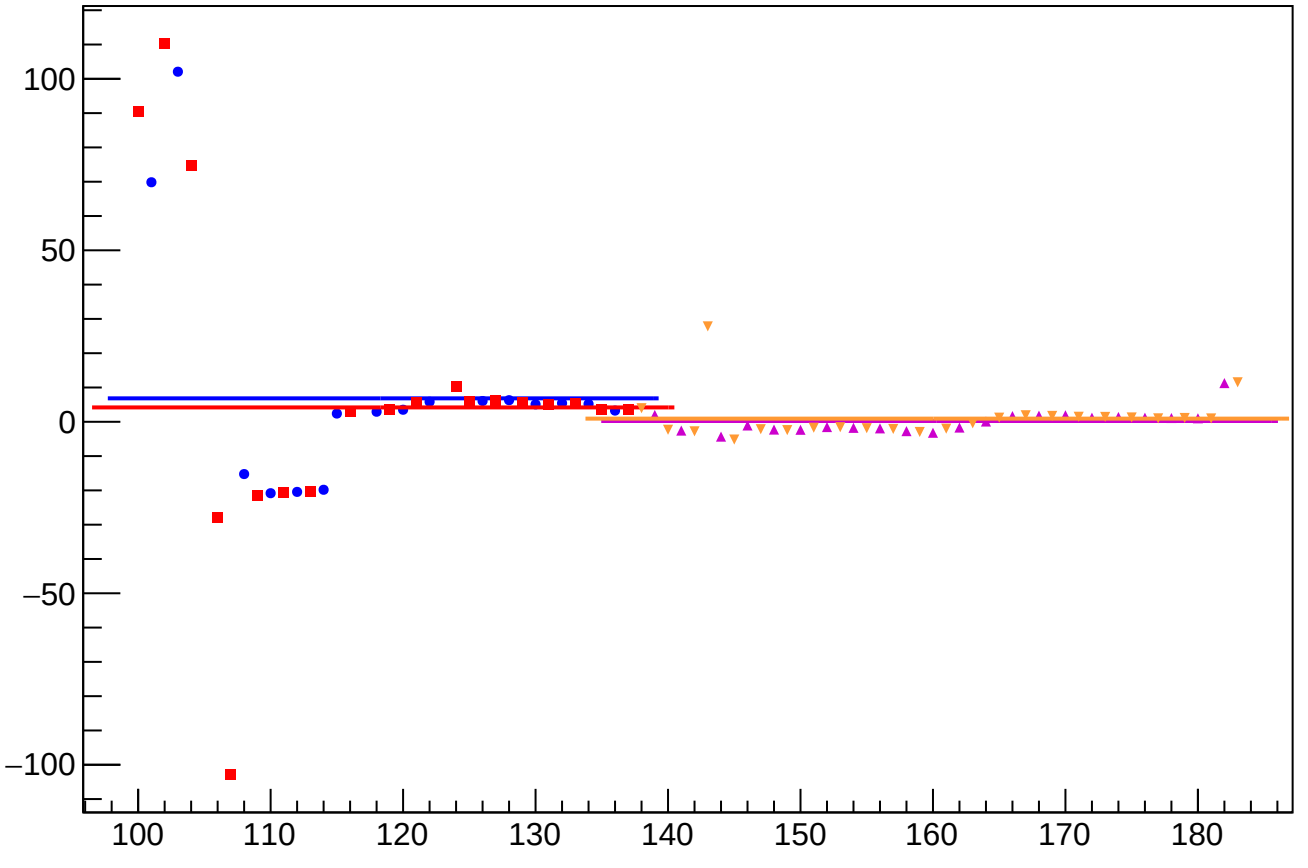
Left: 3.108+/-0.240 χ^2/NDF: 168.2/45

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 2.352+/-0.310 χ^2/NDF:159.7/37

Out: 2.879+/-0.303 χ^2/NDF:148.4/42

All: 2.621+/-0.217 χ^2/NDF: 309.6/80



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.923+/-0.015 χ^2/NDF:121127.3/23

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: 0.232+/-0.015 χ^2/NDF:43126.8/21

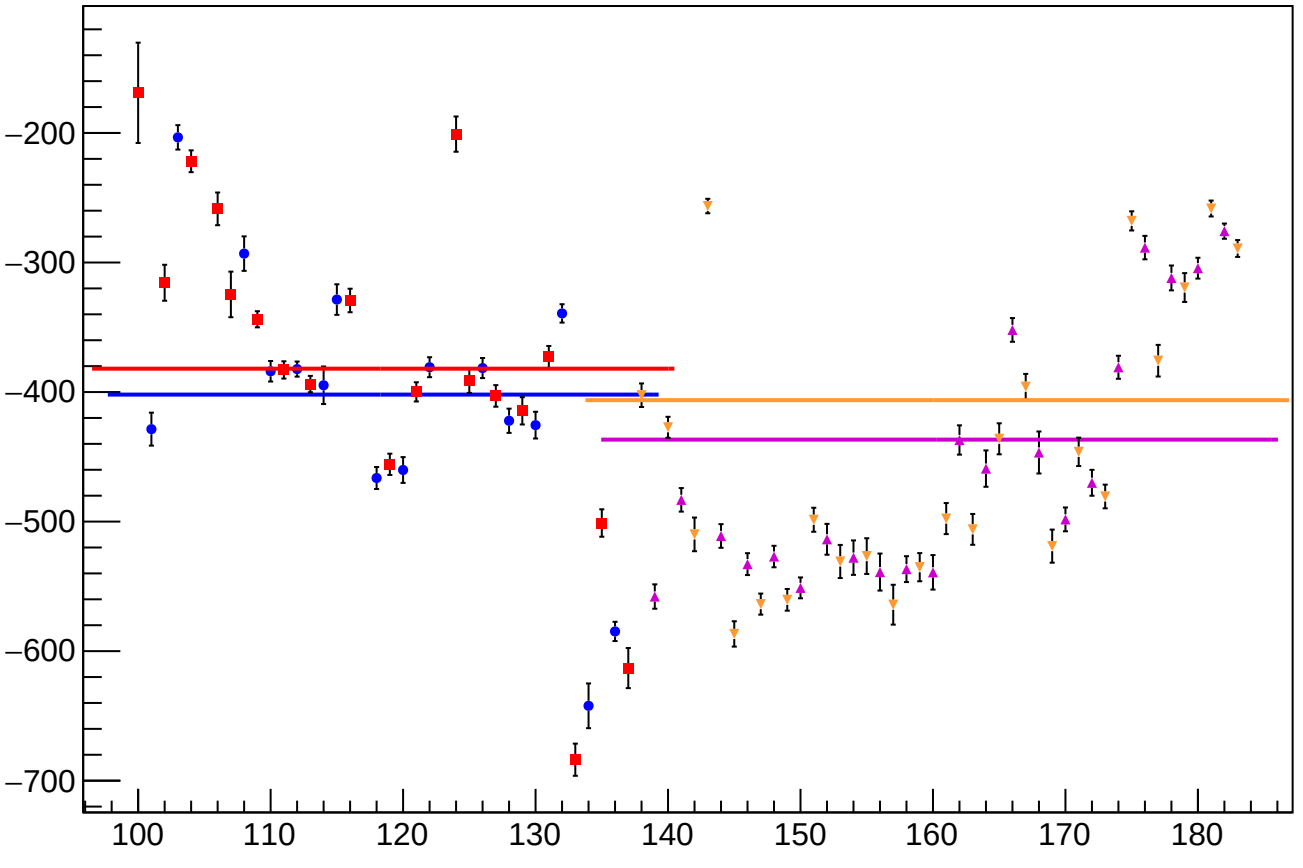
Left: 0.584+/-0.011 χ^2/NDF: 165303.1/45

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.973+/-0.014 χ^2/NDF:385188.0/37

Out: 1.232+/-0.014 χ^2/NDF:560182.3/42

All: 1.104+/-0.010 χ^2/NDF: 945535.2/80



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -406.264+/-1.884 χ^2/NDF:3974.4/23

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: -420.377+/-1.380 χ^2/NDF: 6746.2/45

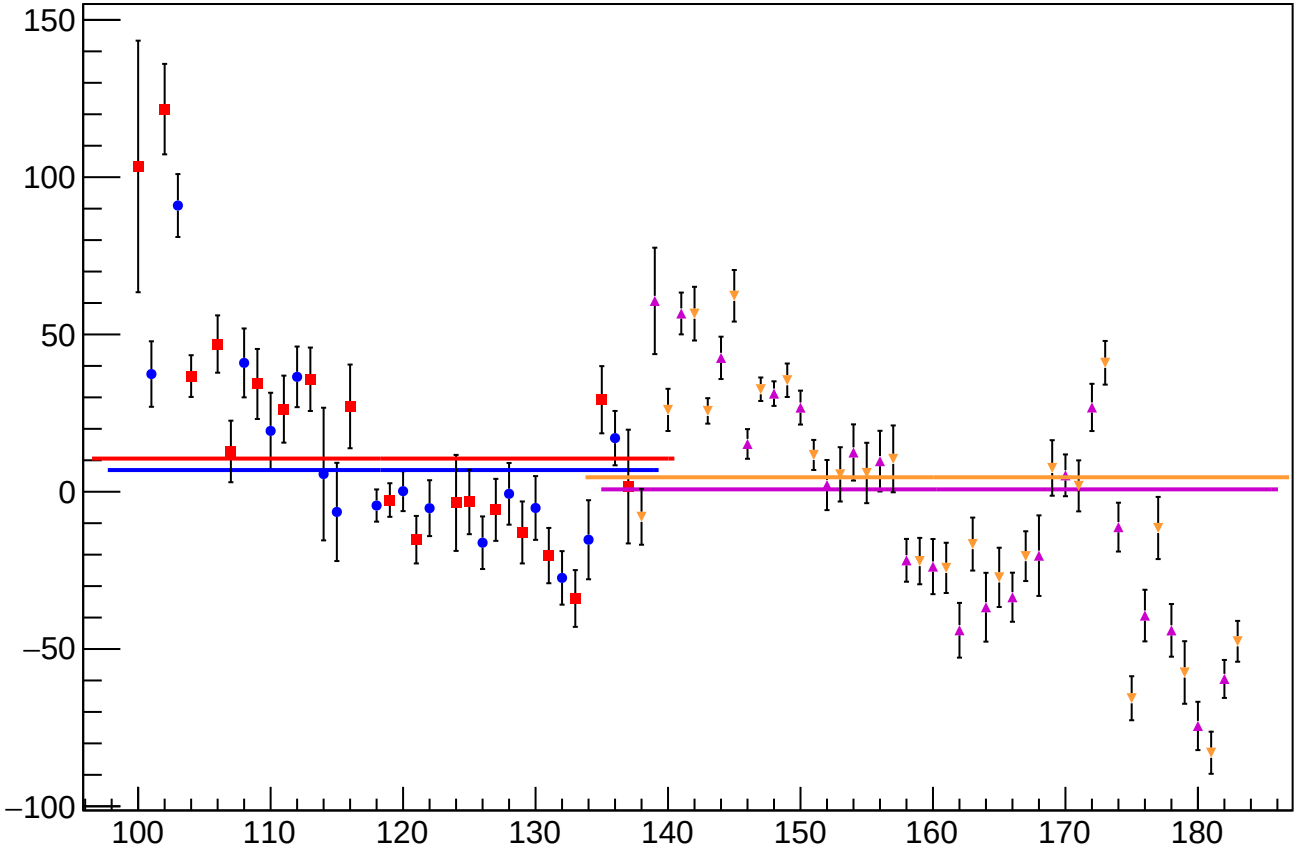
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -421.041+/-1.502 χ^2/NDF:4346.5/37

Out: -395.562+/-1.409 χ^2/NDF:5865.2/42

All: -407.492+/-1.028 χ^2/NDF: 10364.7/80

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 4.600+/-1.387 χ^2/NDF:677.8/23

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: 2.834+/-1.020 χ^2/NDF: 1241.4/45

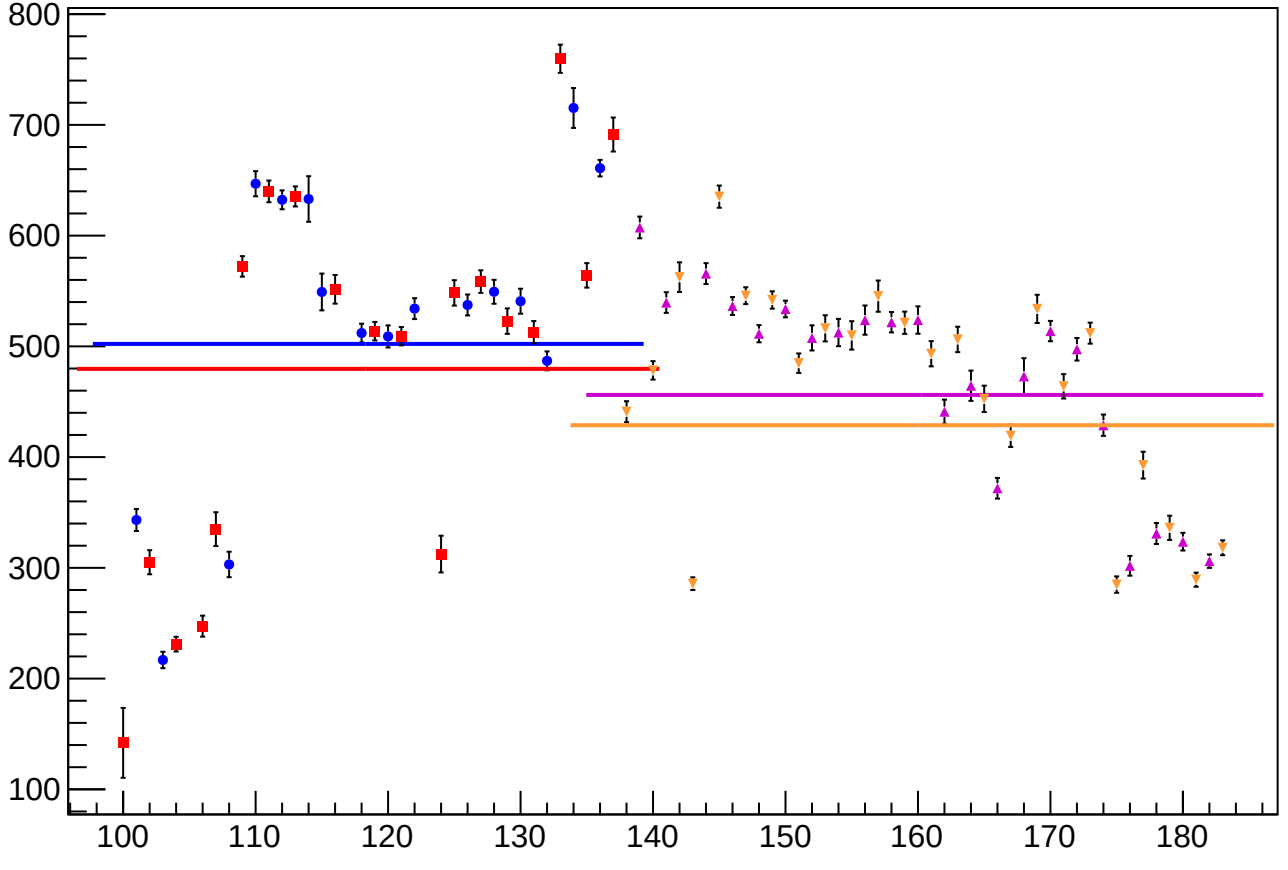
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 2.635+/-1.253 χ^2/NDF:703.7/37

Out: 6.295+/-1.173 χ^2/NDF:863.0/42

All: 4.586+/-0.856 χ^2/NDF: 1571.3/80

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 428.793+/-1.876 χ^2/NDF:3366.5/23

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 456.155+/-2.005 χ^2/NDF:2362.8/21

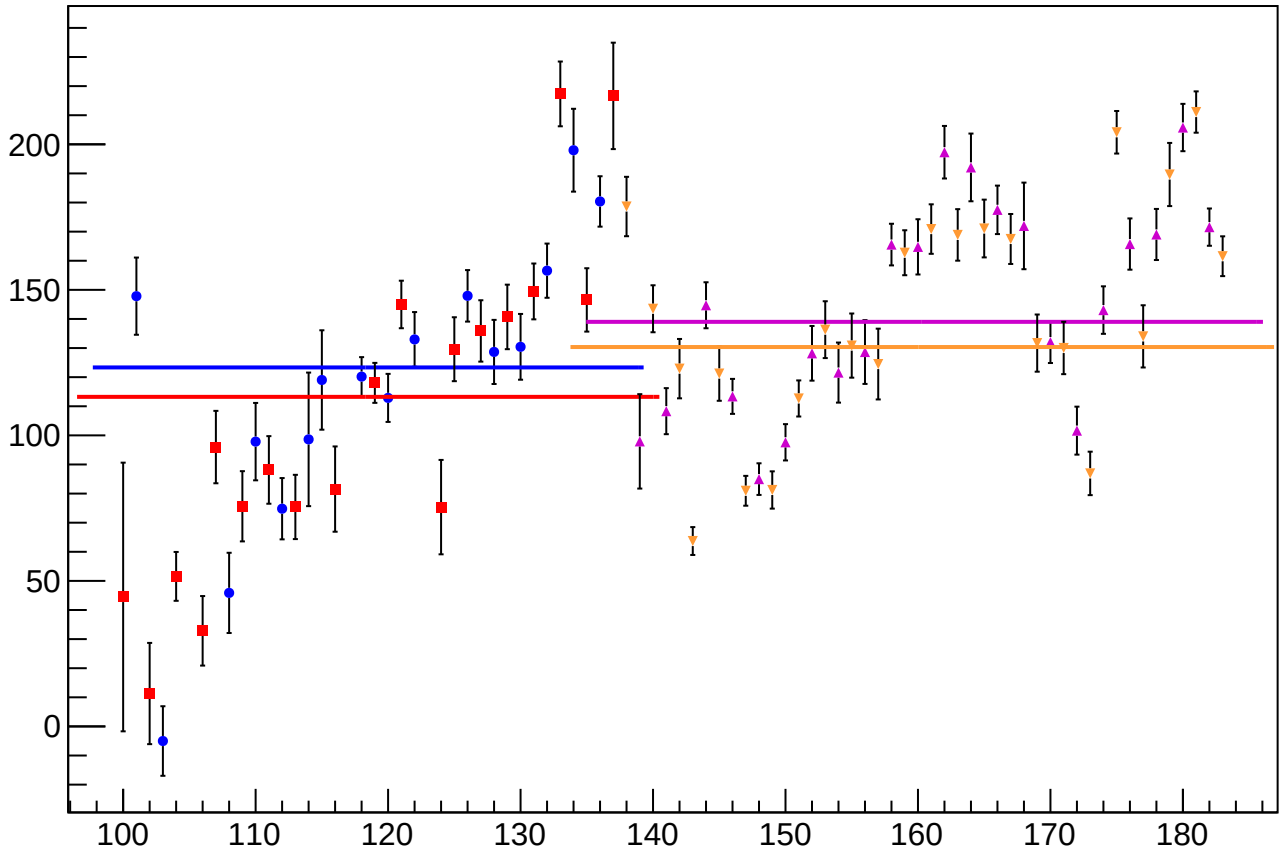
Left: 441.561+/-1.370 χ^2/NDF: 5828.6/45

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 474.248+/-1.562 χ^2/NDF:5705.2/37

Out: 448.093+/-1.478 χ^2/NDF:7784.2/42

All: 460.442+/-1.074 χ^2/NDF: 13637.4/80



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 130.352+/-1.604 χ^2/NDF:791.3/23

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 139.007+/-1.726 χ^2/NDF:433.8/21

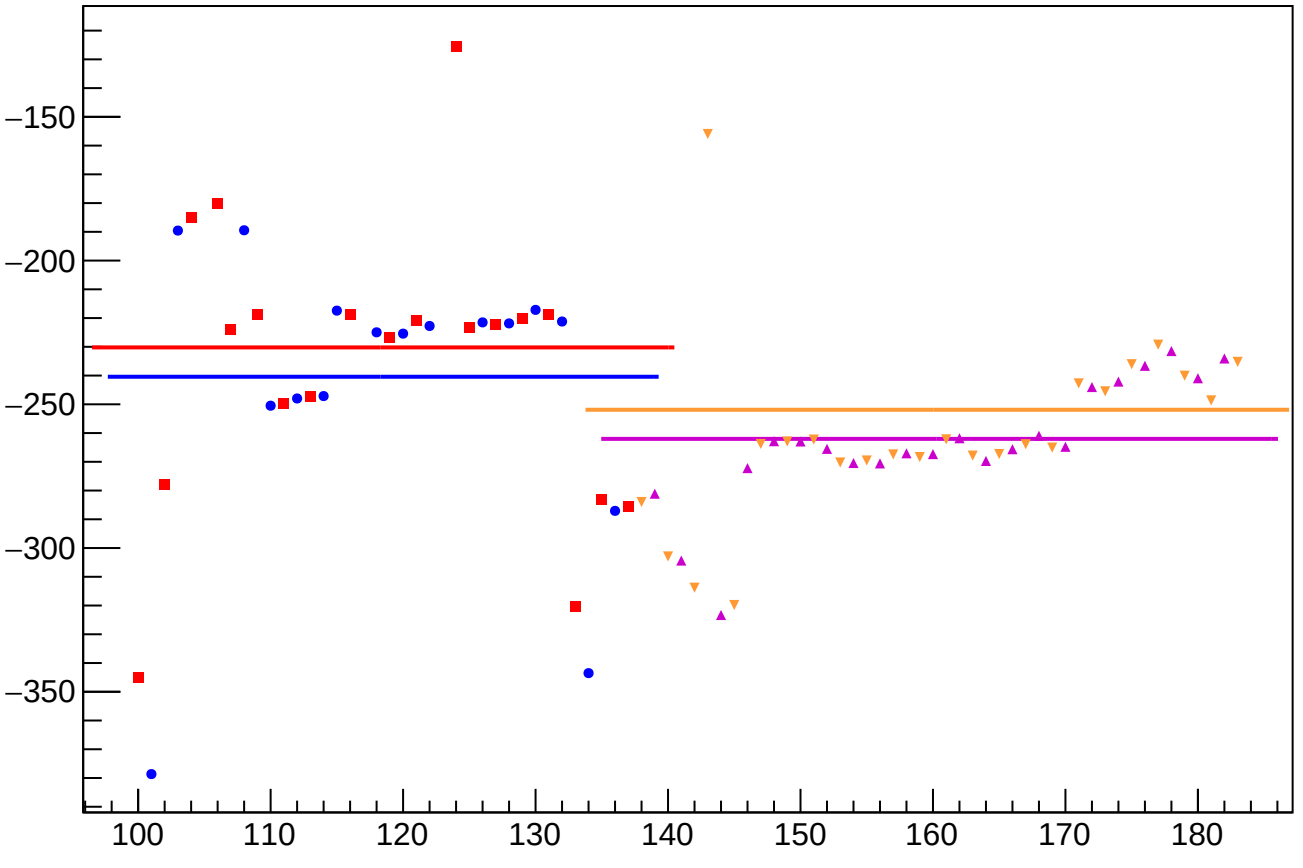
Left: 134.365+/-1.175 χ^2/NDF: 1238.6/45

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 134.286+/-1.442 χ^2/NDF:730.0/37

Out: 125.483+/-1.357 χ^2/NDF:1169.4/42

All: 129.617+/-0.988 χ^2/NDF: 1919.2/80



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -251.893+/-0.075 χ^2/NDF:253683.0/23

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -262.024+/-0.079 χ^2/NDF:67406.8/21

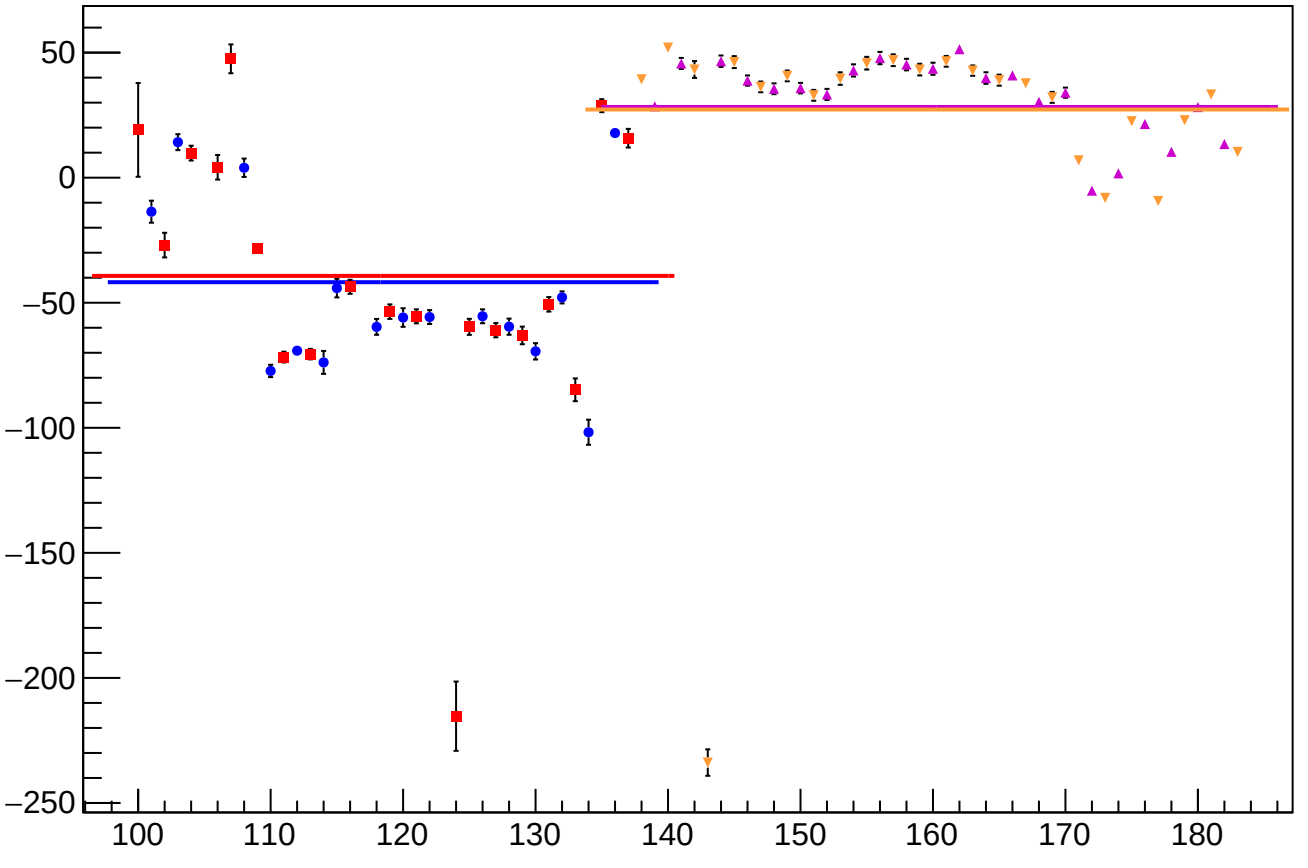
Left: -256.725+/-0.055 χ^2/NDF: 329704.1/45

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -257.366+/-0.070 χ^2/NDF:217712.6/37

Out: -247.353+/-0.067 χ^2/NDF:354440.2/42

All: -252.149+/-0.048 χ^2/NDF: 582840.8/80



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 27.256+/-0.393 χ^2/NDF:4277.0/23

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 28.272+/-0.402 χ^2/NDF:1467.7/21

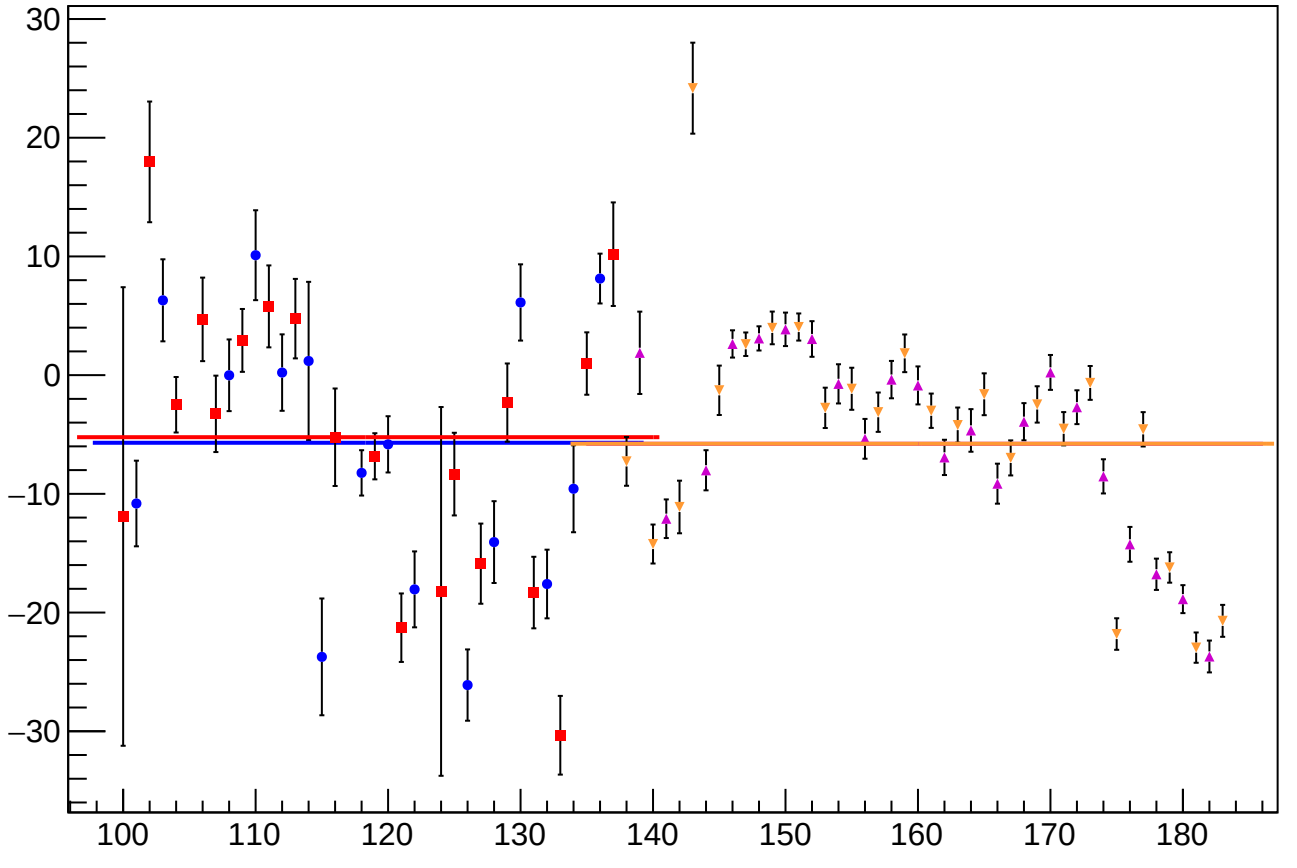
Left: 27.753+/-0.281 χ^2/NDF: 5748.0/45

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 11.760+/-0.351 χ^2/NDF:11047.5/37

Out: 10.579+/-0.340 χ^2/NDF:13933.0/42

All: 11.151+/-0.244 χ^2/NDF: 24986.3/80



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -5.777+/-0.304 χ^2/NDF:876.1/23

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -5.784+/-0.312 χ^2/NDF:699.1/21

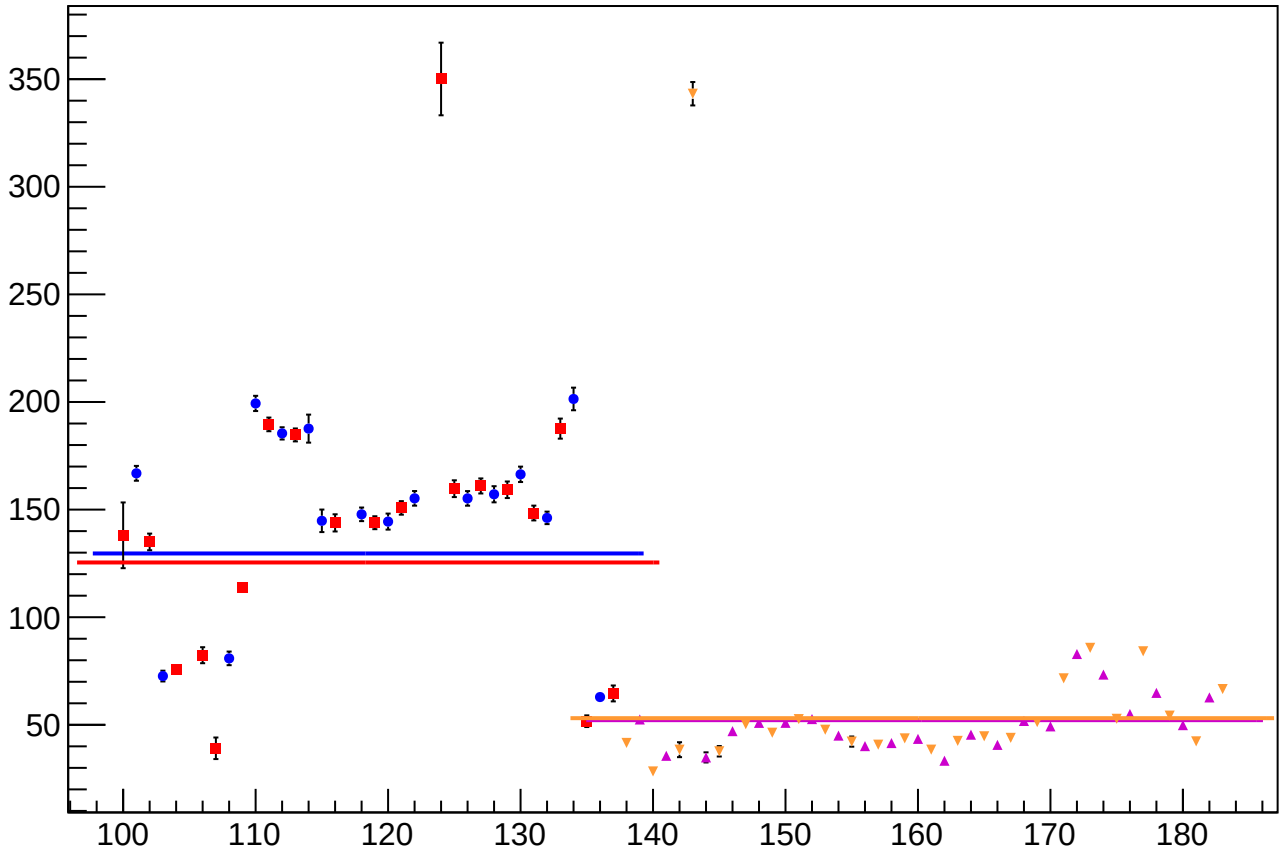
Left: -5.780+/-0.218 χ^2/NDF: 1575.2/45

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -5.771+/-0.288 χ^2/NDF:895.9/37

Out: -5.697+/-0.281 χ^2/NDF:1073.9/42

All: -5.733+/-0.201 χ^2/NDF: 1969.8/80



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 53.091+/-0.390 χ^2/NDF:4154.6/23

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 52.171+/-0.398 χ^2/NDF:883.6/21

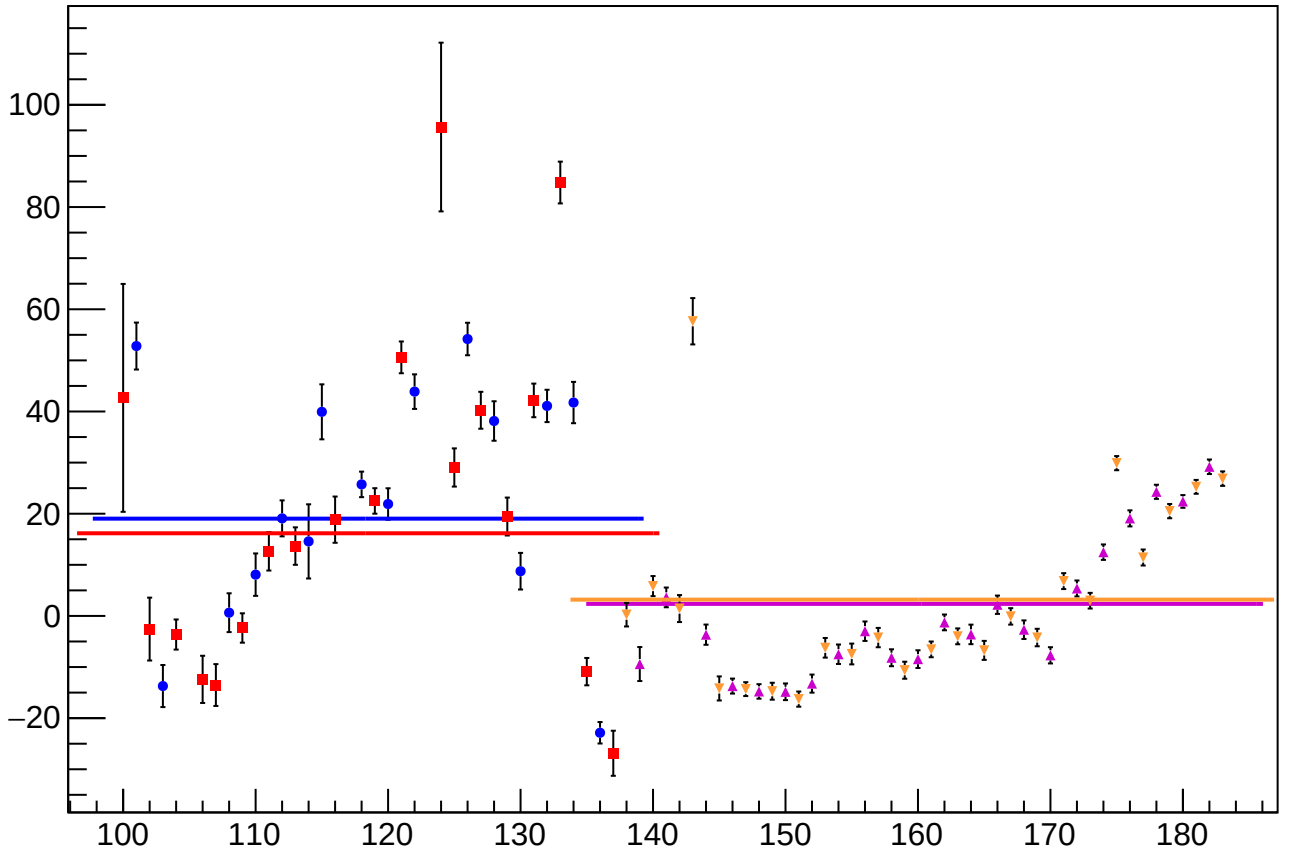
Left: 52.639+/-0.279 χ^2/NDF: 5040.9/45

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 67.508+/-0.356 χ^2/NDF:12012.9/37

Out: 67.296+/-0.350 χ^2/NDF:14400.4/42

All: 67.400+/-0.250 χ^2/NDF: 26413.5/80



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: 3.189+/-0.343 χ^2/NDF:2011.8/23

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: 2.355+/-0.350 χ^2/NDF:1683.3/21

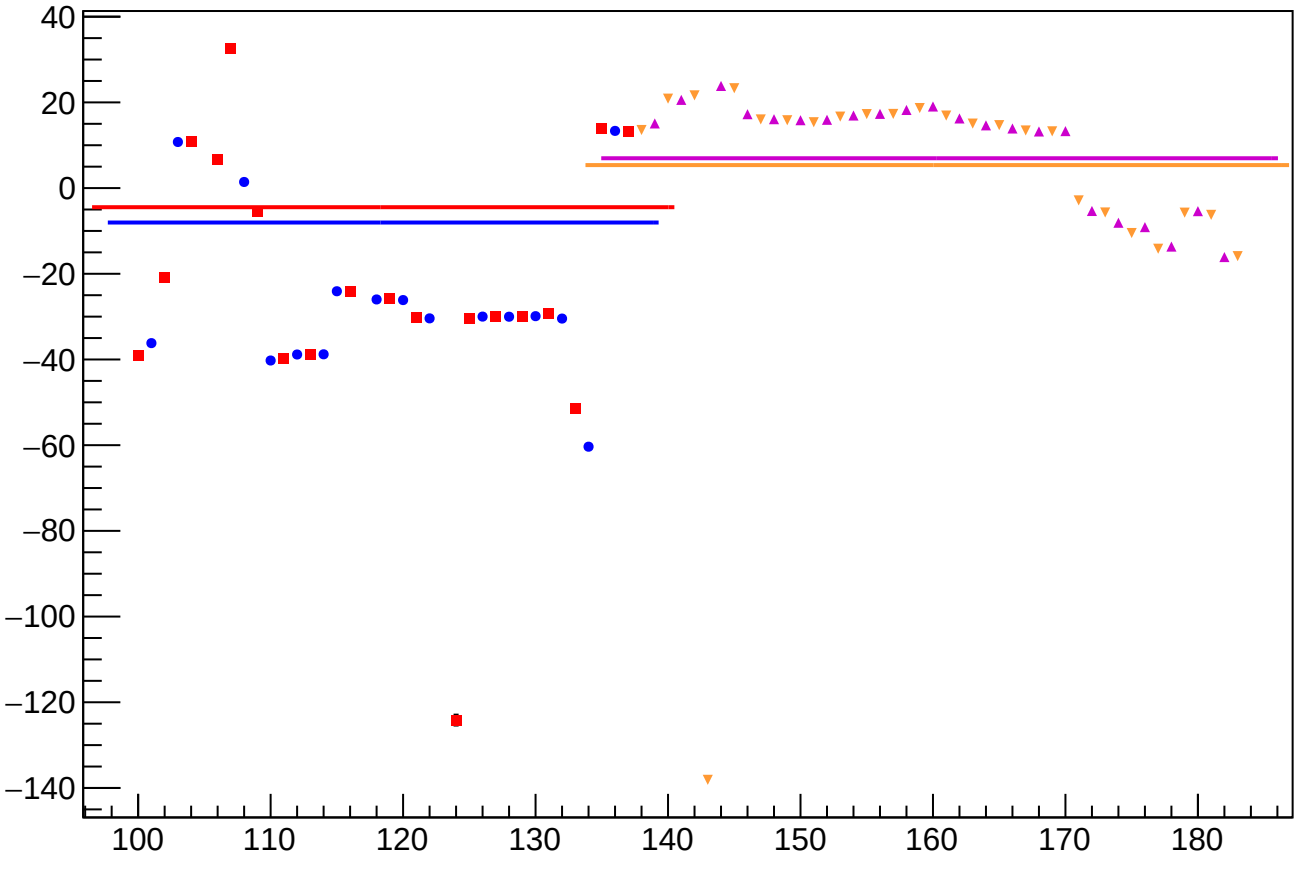
Left: 2.781+/-0.245 χ^2/NDF: 3698.0/45

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 4.731+/-0.325 χ^2/NDF:2864.0/37

Out: 5.019+/-0.318 χ^2/NDF:3155.4/42

All: 4.878+/-0.227 χ^2/NDF: 6019.9/80



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 5.366+/-0.015 χ^2/NDF:1101163.0/23

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 6.962+/-0.016 χ^2/NDF:679801.8/21

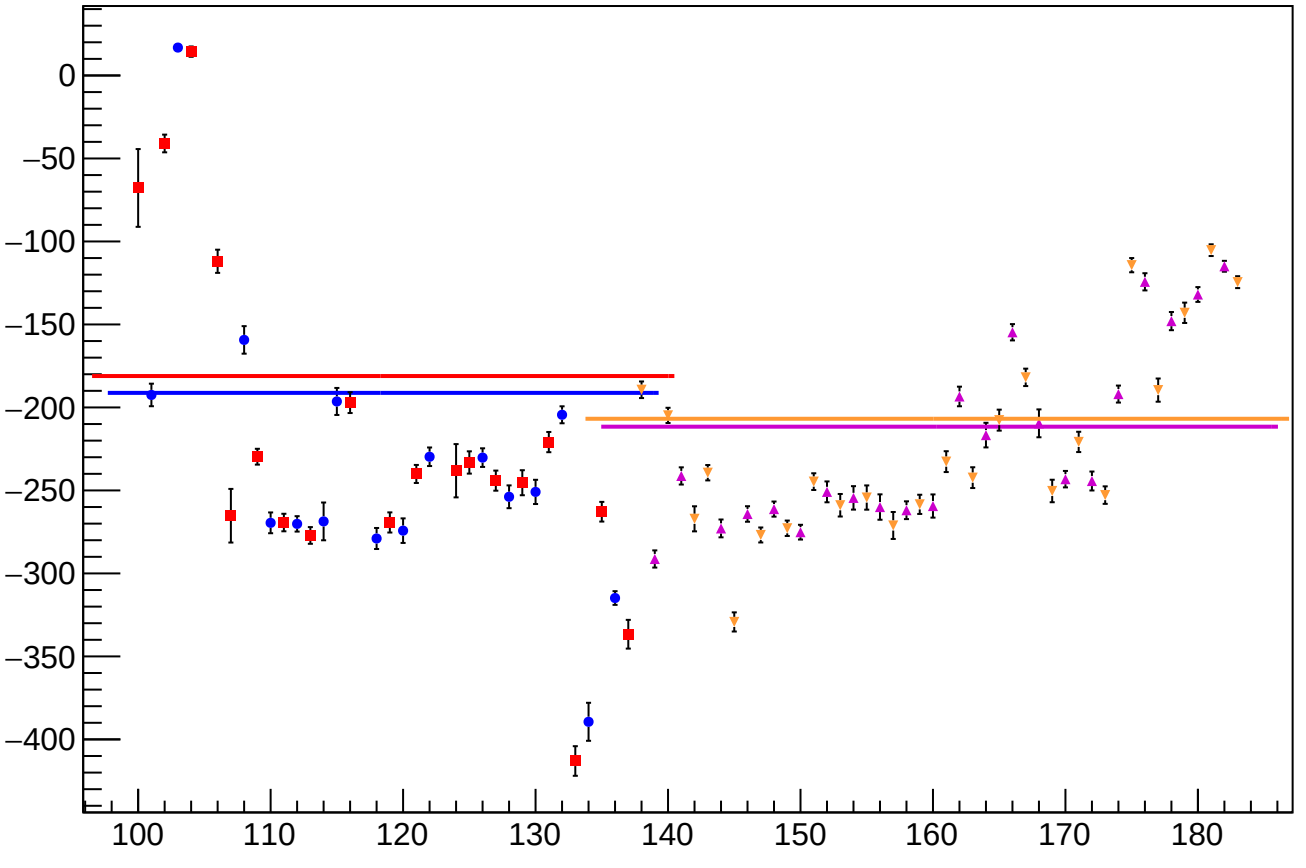
Left: 6.157+/-0.011 χ^2/NDF: 1786301.2/45

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 5.420+/-0.015 χ^2/NDF:1043802.7/37

Out: 4.408+/-0.015 χ^2/NDF:1369381.0/42

All: 4.911+/-0.010 χ^2/NDF: 2415568.5/80



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -206.822+/-1.079 χ^2/NDF:3446.3/23

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -211.594+/-1.120 χ^2/NDF:2940.1/21

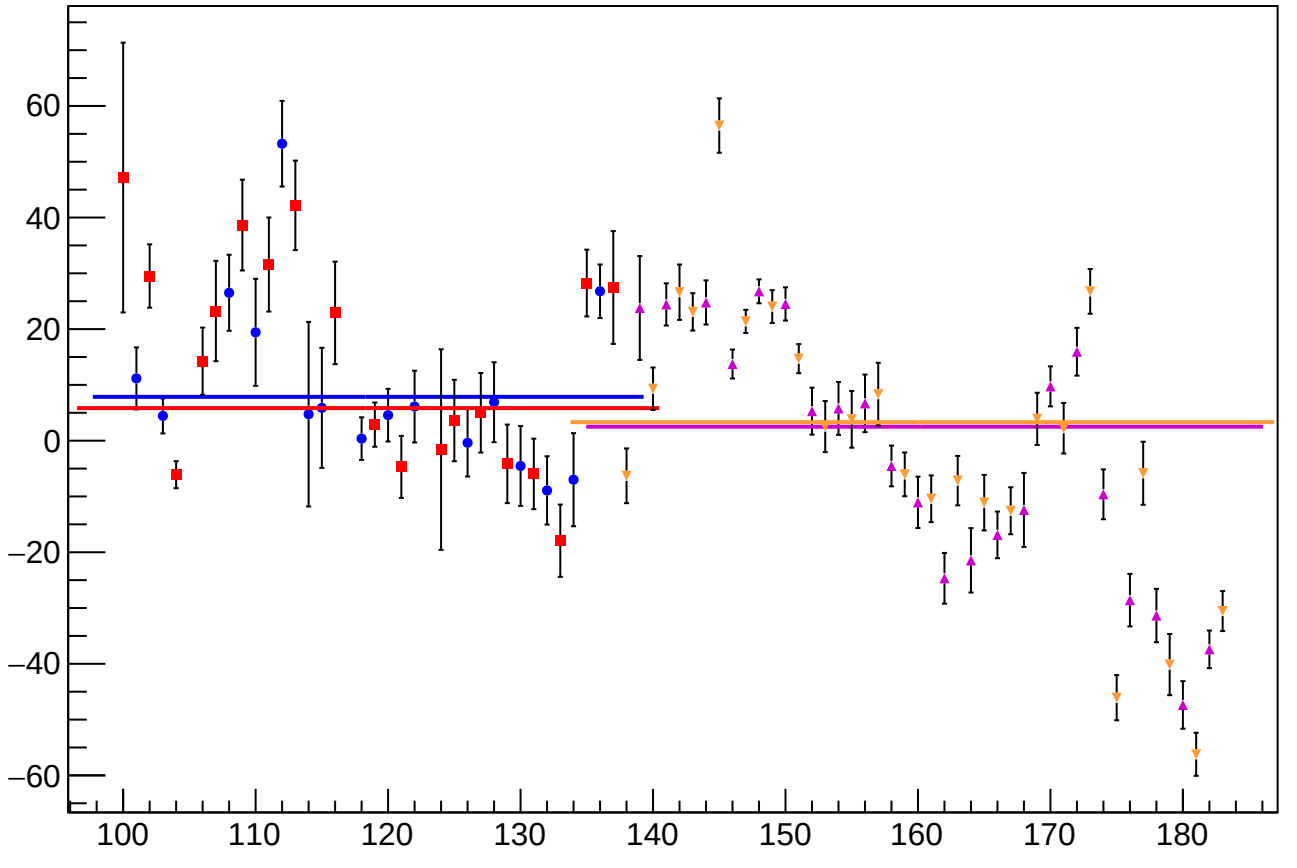
Left: -209.120+/-0.777 χ^2/NDF: 6395.8/45

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -203.774+/-0.879 χ^2/NDF:10291.8/37

Out: -197.073+/-0.851 χ^2/NDF:11035.6/42

All: -200.315+/-0.611 χ^2/NDF: 21357.4/80



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 3.319+/-0.793 χ^2/NDF:948.0/23

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 2.498+/-0.828 χ^2/NDF:757.5/21

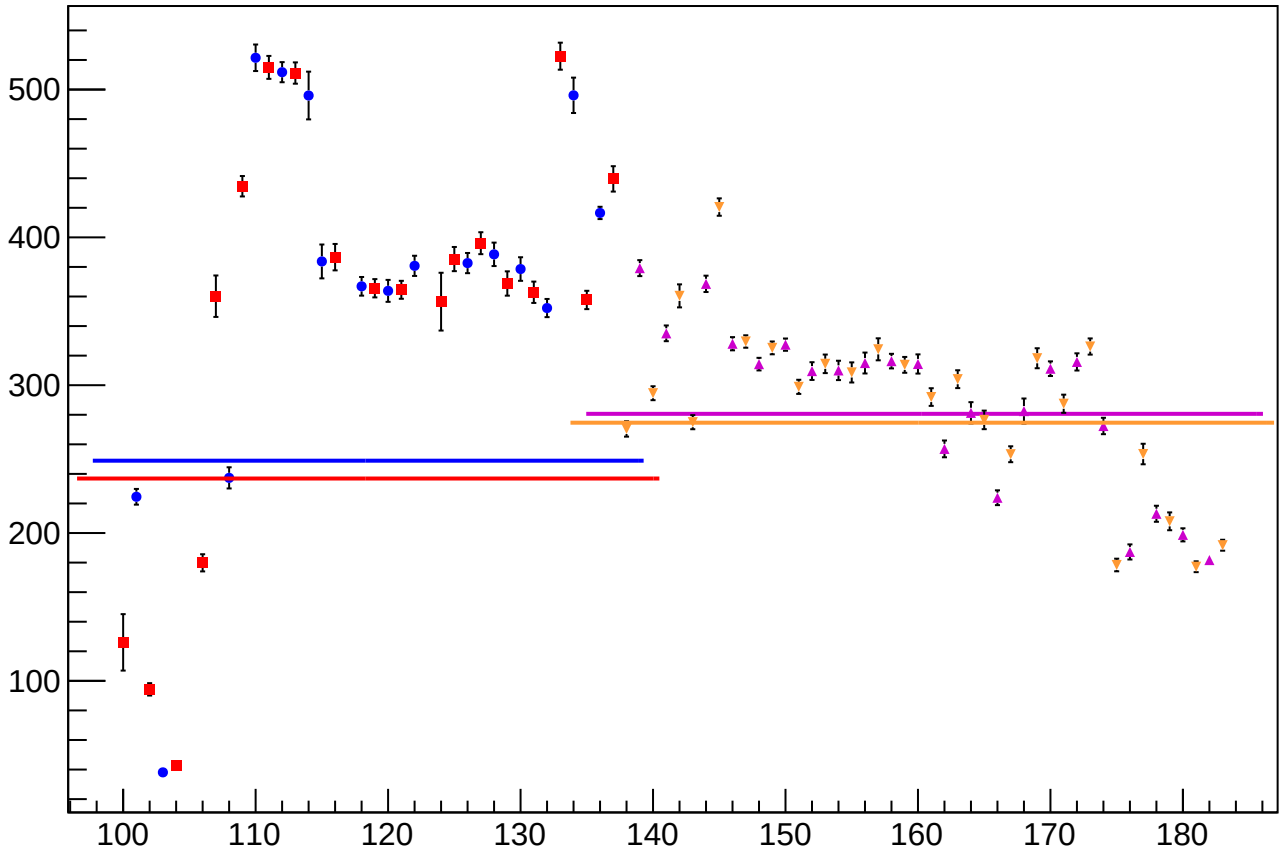
Left: 2.927+/-0.573 χ^2/NDF: 1706.0/45

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 3.834+/-0.718 χ^2/NDF:848.8/37

Out: 3.961+/-0.684 χ^2/NDF:1092.4/42

All: 3.901+/-0.495 χ^2/NDF: 1941.3/80



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 274.632+/-1.071 χ^2/NDF:3279.7/23

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 280.630+/-1.106 χ^2/NDF:3041.4/21

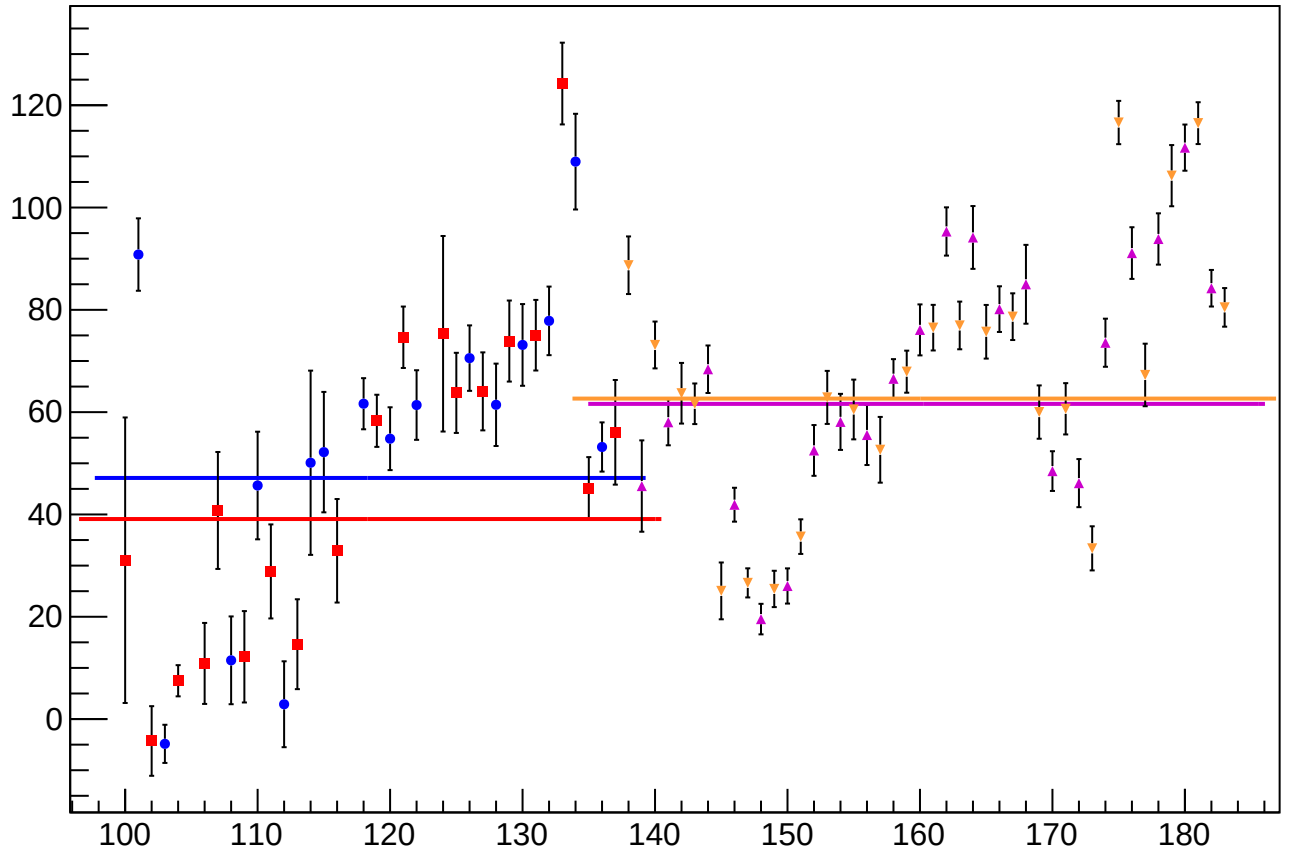
Left: 277.535+/-0.769 χ^2/NDF: 6336.2/45

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 268.684+/-0.873 χ^2/NDF:18653.4/37

Out: 260.778+/-0.852 χ^2/NDF:19393.2/42

All: 264.636+/-0.610 χ^2/NDF: 38088.6/80



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 62.651+/-0.915 χ^2/NDF:906.6/23

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 61.613+/-0.950 χ^2/NDF:734.9/21

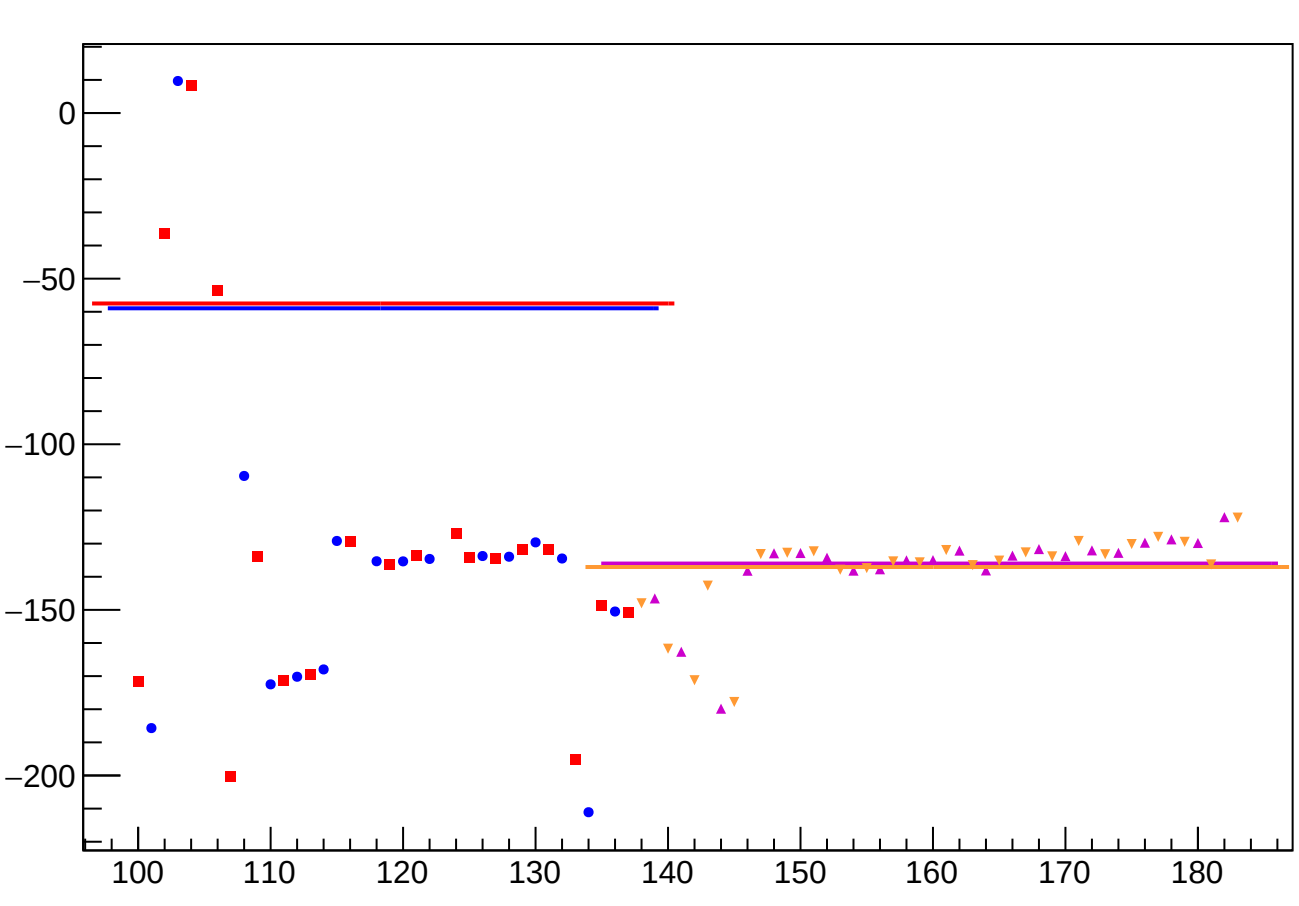
Left: 62.152+/-0.659 χ^2/NDF: 1642.1/45

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 58.068+/-0.825 χ^2/NDF:1177.2/37

Out: 56.829+/-0.794 χ^2/NDF:1486.9/42

All: 57.424+/-0.572 χ^2/NDF: 2665.2/80



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -137.060+/-0.043 χ^2/NDF:75694.5/23

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -136.017+/-0.043 χ^2/NDF:62157.9/21

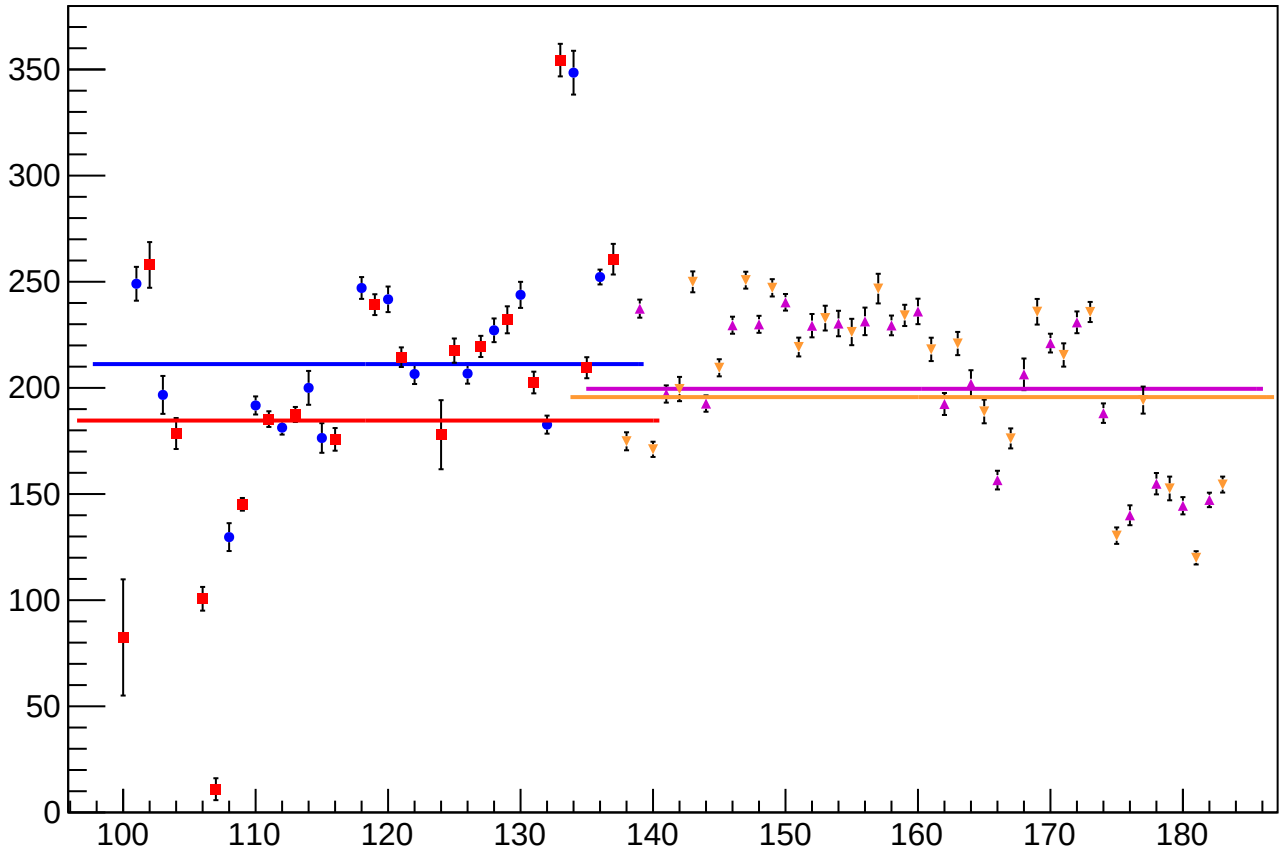
Left: -136.547+/-0.030 χ^2/NDF: 138145.9/45

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -115.754+/-0.037 χ^2/NDF:2119500.7/37

Out: -117.276+/-0.037 χ^2/NDF:1809462.6/42

All: -116.519+/-0.026 χ^2/NDF: 3929803.5/80



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 195.662+/-0.953 χ^2/NDF:1998.0/23

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 199.566+/-0.985 χ^2/NDF:1287.4/21

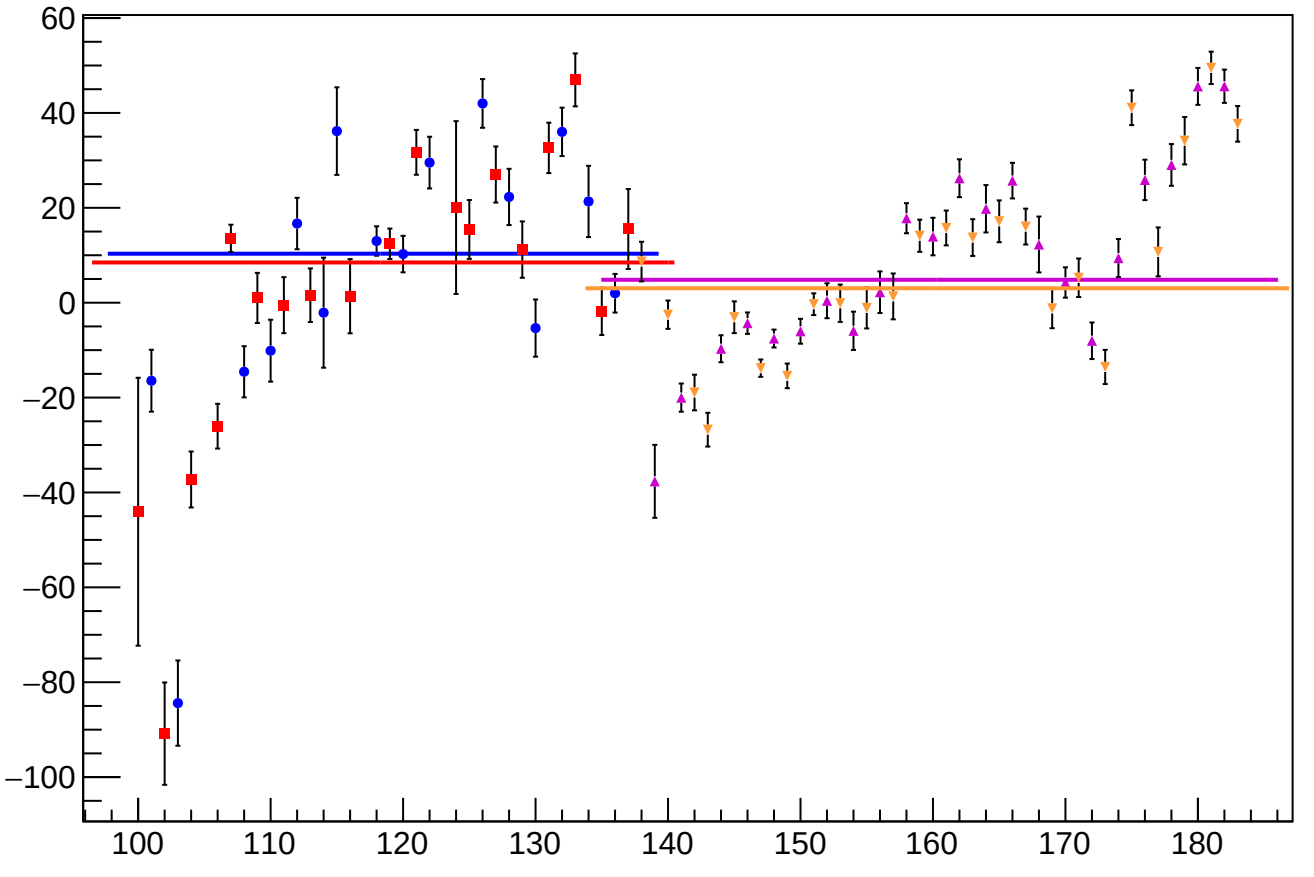
Left: 197.549+/-0.685 χ^2/NDF: 3293.5/45

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 203.829+/-0.784 χ^2/NDF:2121.5/37

Out: 191.365+/-0.745 χ^2/NDF:4590.7/42

All: 197.275+/-0.540 χ^2/NDF: 6845.2/80



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: 3.036+/-0.696 χ^2/NDF:746.9/23

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: 4.831+/-0.723 χ^2/NDF:617.3/21

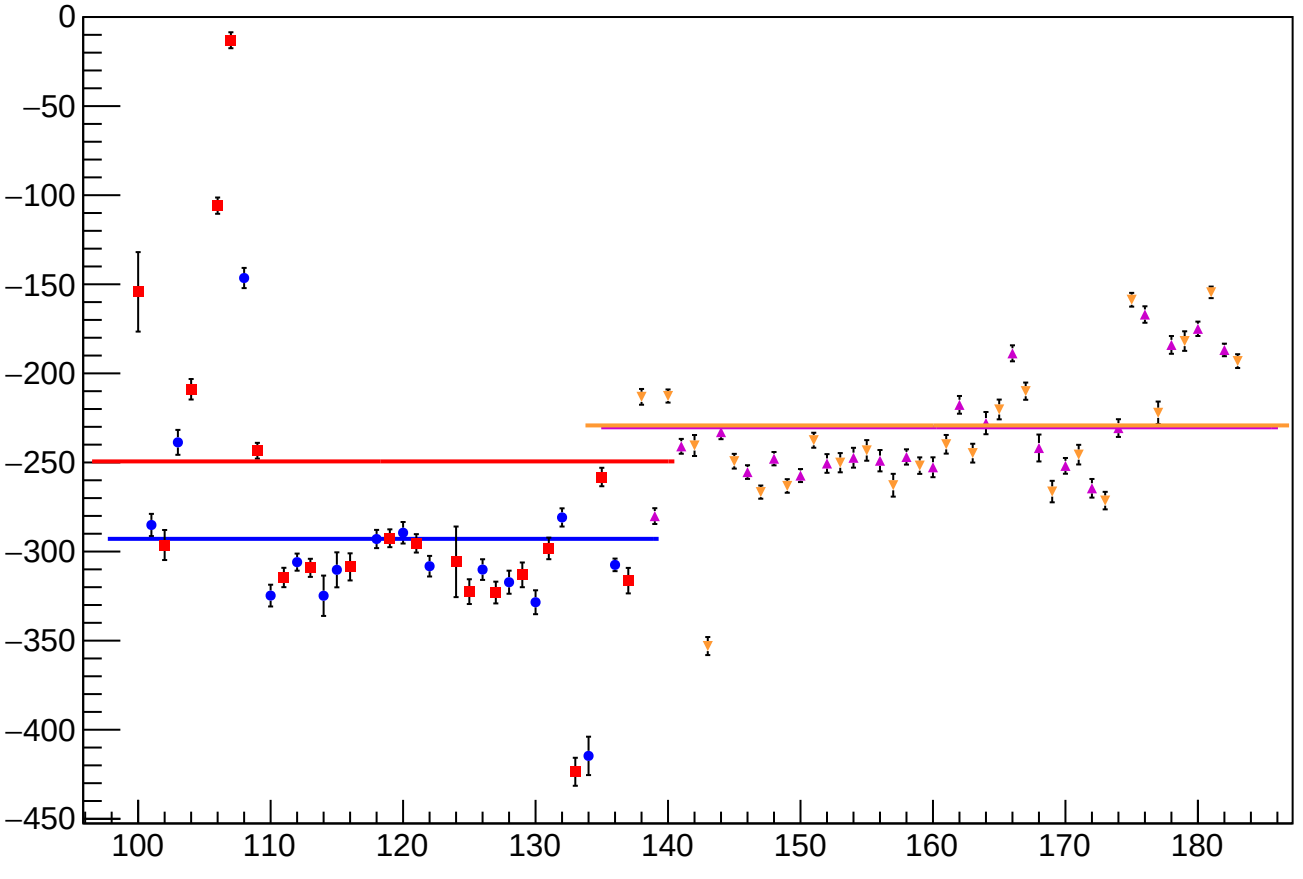
Left: 3.900+/-0.502 χ^2/NDF: 1367.4/45

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 6.082+/-0.636 χ^2/NDF:893.7/37

Out: 4.366+/-0.605 χ^2/NDF:1084.2/42

All: 5.182+/-0.438 χ^2/NDF: 1981.7/80



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -229.215+/-0.945 χ^2/NDF:2093.7/23

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -230.267+/-0.972 χ^2/NDF:1091.6/21

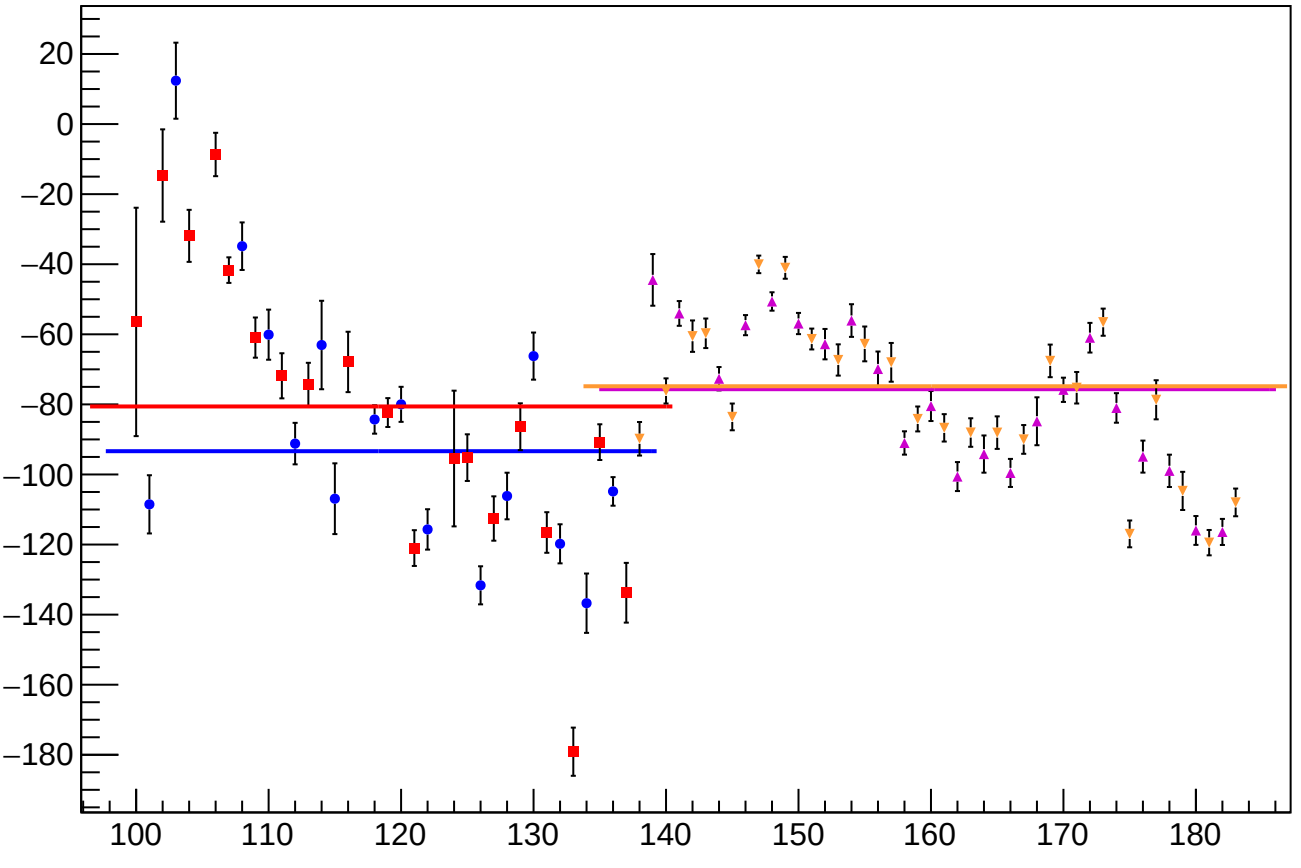
Left: -229.726+/-0.677 χ^2/NDF: 3186.0/45

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -249.352+/-0.810 χ^2/NDF:3340.3/37

Out: -235.730+/-0.777 χ^2/NDF:7609.6/42

All: -242.260+/-0.561 χ^2/NDF: 11097.1/80



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -74.827+/-0.805 χ^2/NDF:826.5/23

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -75.663+/-0.831 χ^2/NDF:634.9/21

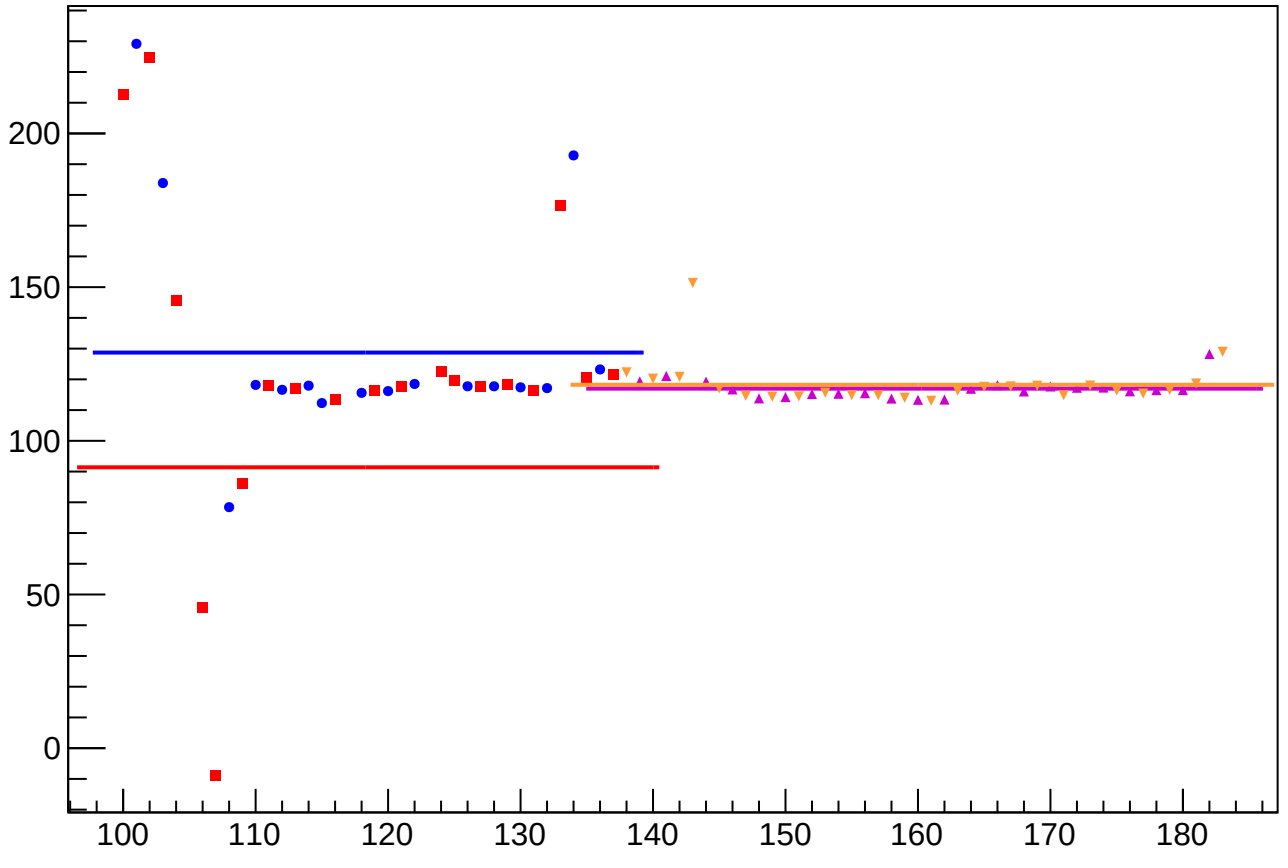
Left: -75.231+/-0.578 χ^2/NDF: 1461.8/45

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -79.678+/-0.731 χ^2/NDF:1093.0/37

Out: -76.224+/-0.701 χ^2/NDF:1554.2/42

All: -77.879+/-0.506 χ^2/NDF: 2658.8/80



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 118.233+/-0.038 χ^2/NDF:33954.9/23

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.972+/-0.038 χ^2/NDF:7874.7/21

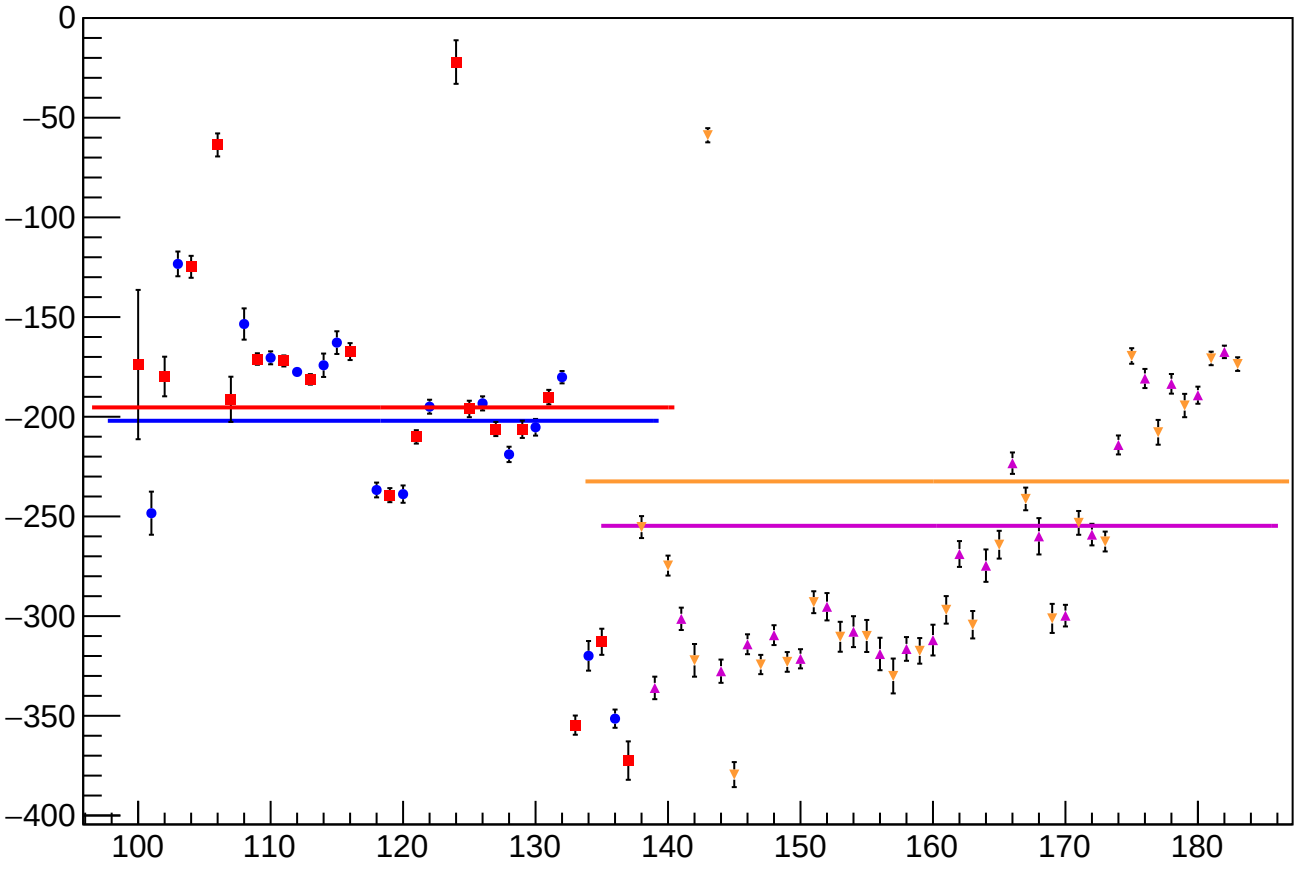
Left: 117.609+/-0.027 χ^2/NDF: 42387.2/45

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.775+/-0.035 χ^2/NDF:206088.6/37

Out: 113.286+/-0.034 χ^2/NDF:732941.1/42

All: 115.952+/-0.024 χ^2/NDF: 951734.3/80



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -232.434+/-1.083 χ^2/NDF:5758.1/23

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: -242.874+/-0.789 χ^2/NDF: 8792.6/45

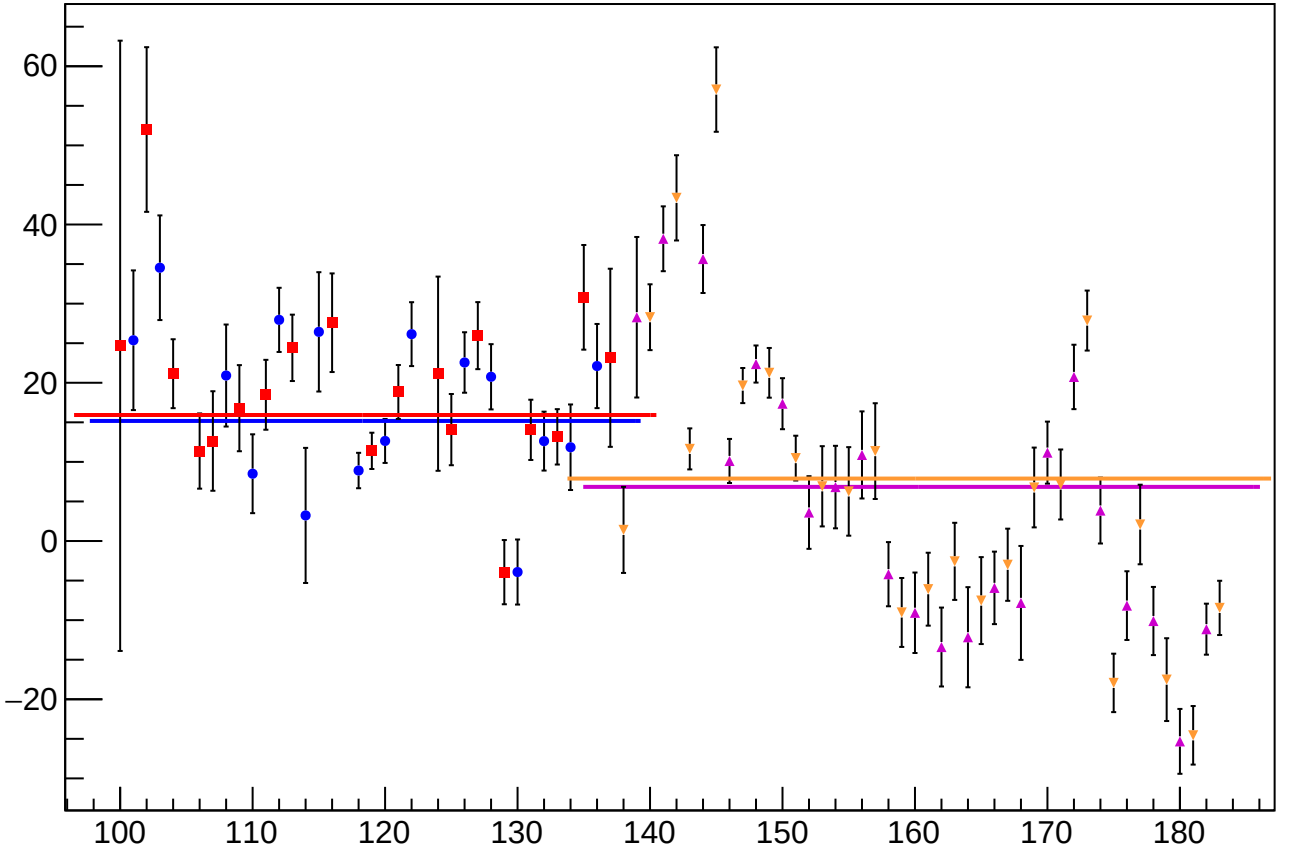
Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -225.264+/-0.766 χ^2/NDF:6044.2/37

Out: -211.919+/-0.724 χ^2/NDF:9508.6/42

All: -218.221+/-0.526 χ^2/NDF: 15713.2/80

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 7.892+/-0.809 χ^2/NDF:446.9/23

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: 7.404+/-0.592 χ^2/NDF: 800.7/45

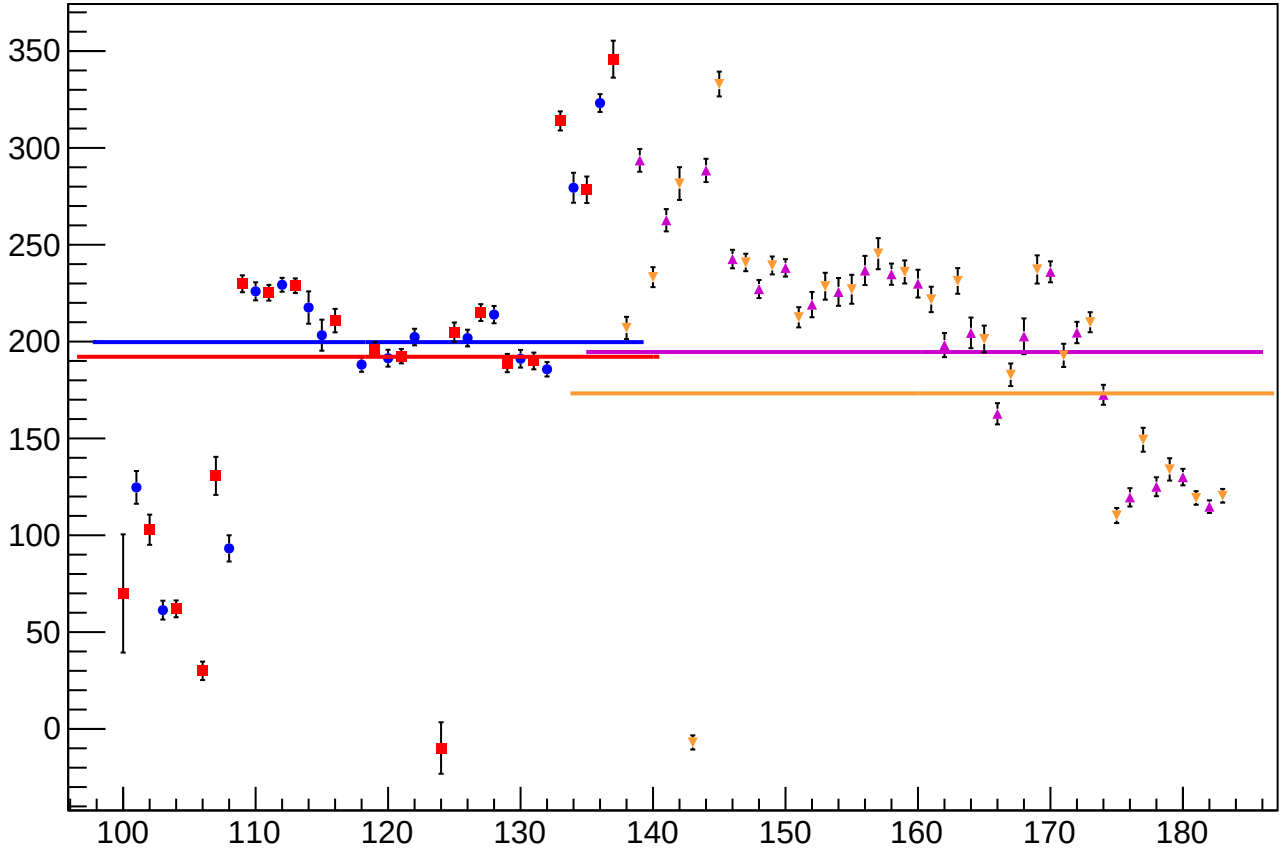
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 10.237+/-0.669 χ^2/NDF:462.8/37

Out: 10.933+/-0.638 χ^2/NDF:547.8/42

All: 10.601+/-0.462 χ^2/NDF: 1011.1/80

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 173.262+/-1.078 χ^2/NDF:5249.2/23

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 194.617+/-1.142 χ^2/NDF:2455.9/21

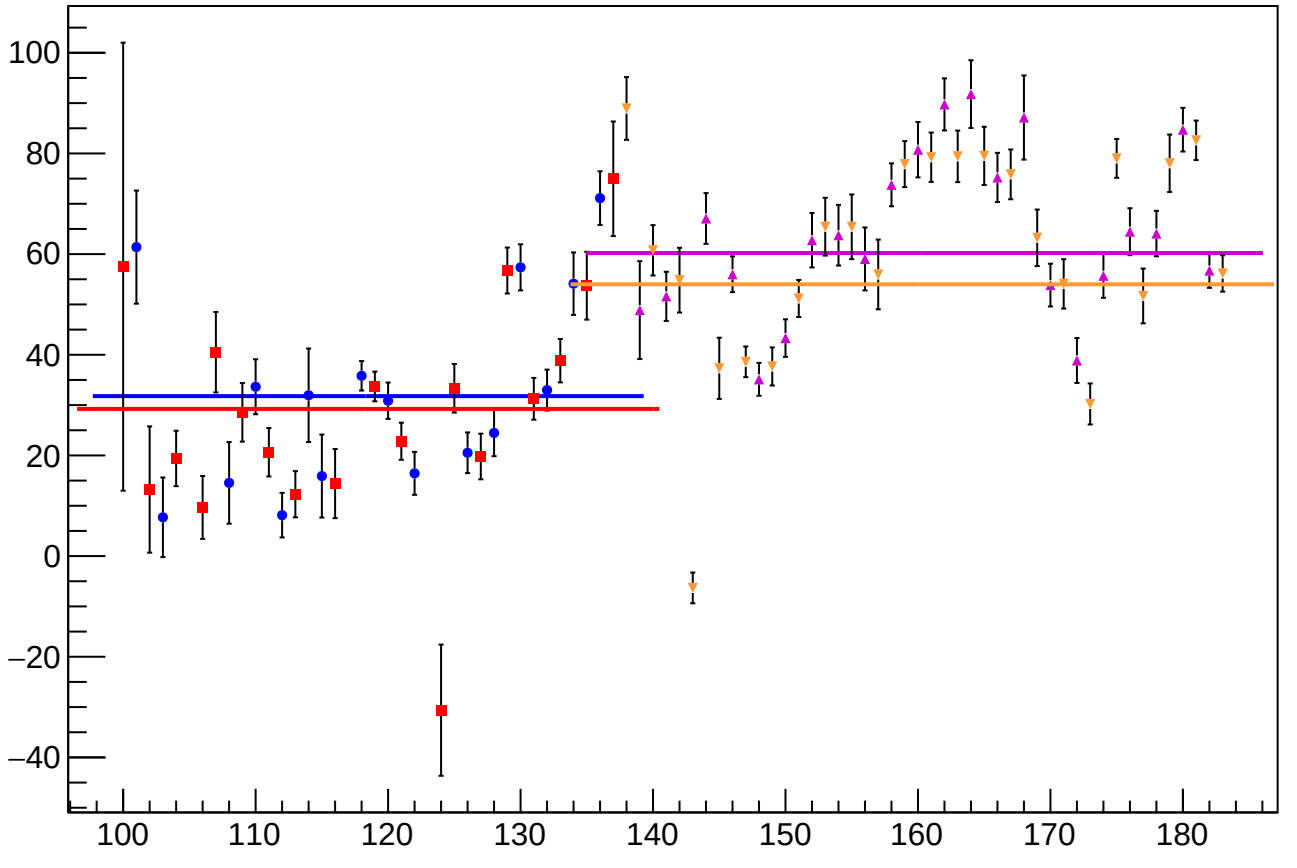
Left: 183.329+/-0.784 χ^2/NDF: 7890.0/45

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 197.052+/-0.826 χ^2/NDF:4567.0/37

Out: 182.098+/-0.787 χ^2/NDF:9170.0/42

All: 189.213+/-0.570 χ^2/NDF: 13908.9/80



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 53.998+/-0.930 χ^2/NDF:749.7/23

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 60.216+/-0.990 χ^2/NDF:247.1/21

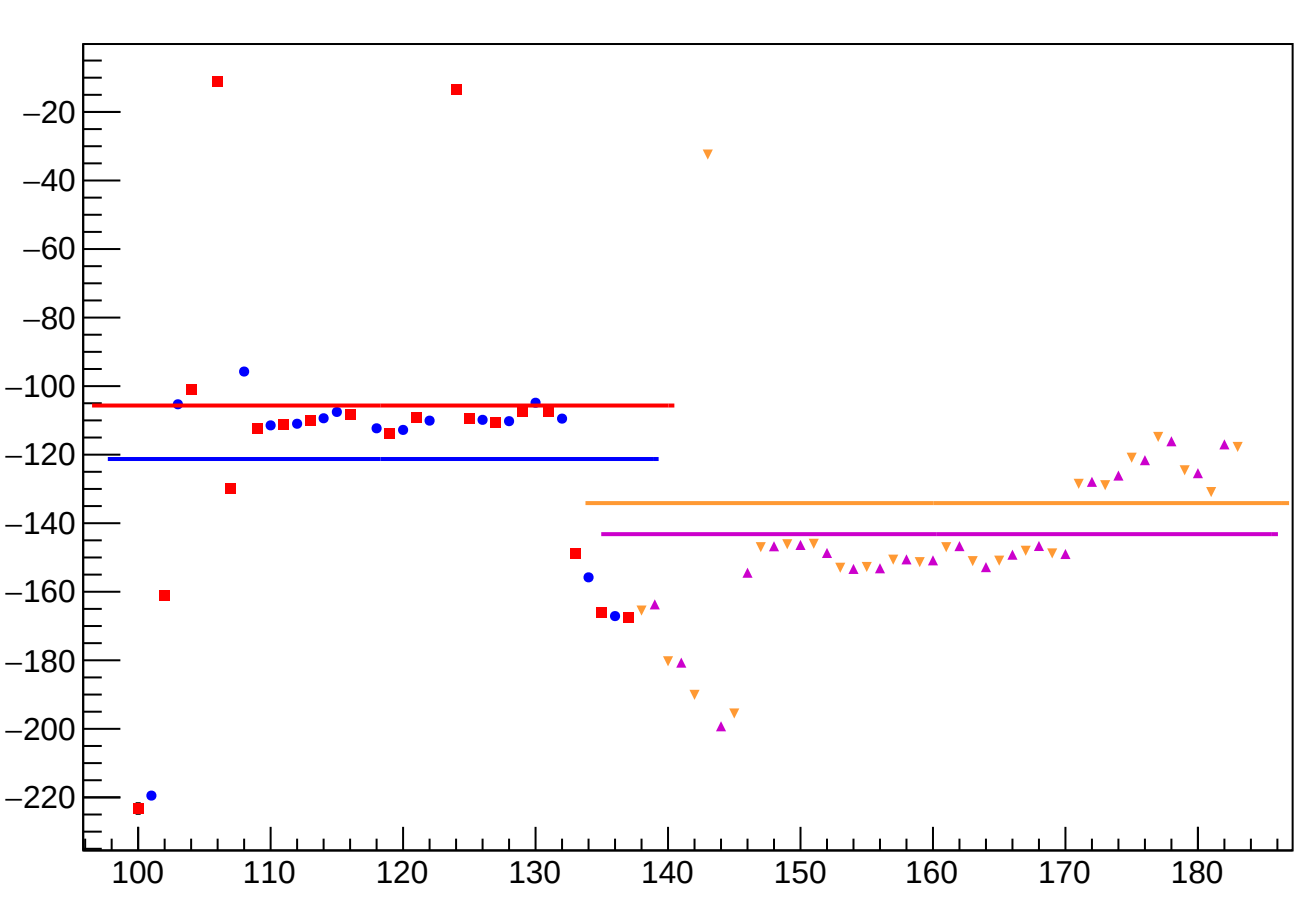
Left: 56.911+/-0.678 χ^2/NDF: 1017.7/45

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 48.882+/-0.768 χ^2/NDF:752.6/37

Out: 44.678+/-0.734 χ^2/NDF:1157.4/42

All: 46.685+/-0.531 χ^2/NDF: 1925.7/80



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -134.133+/-0.043 χ^2/NDF:672058.7/23

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -143.192+/-0.045 χ^2/NDF:171080.0/21

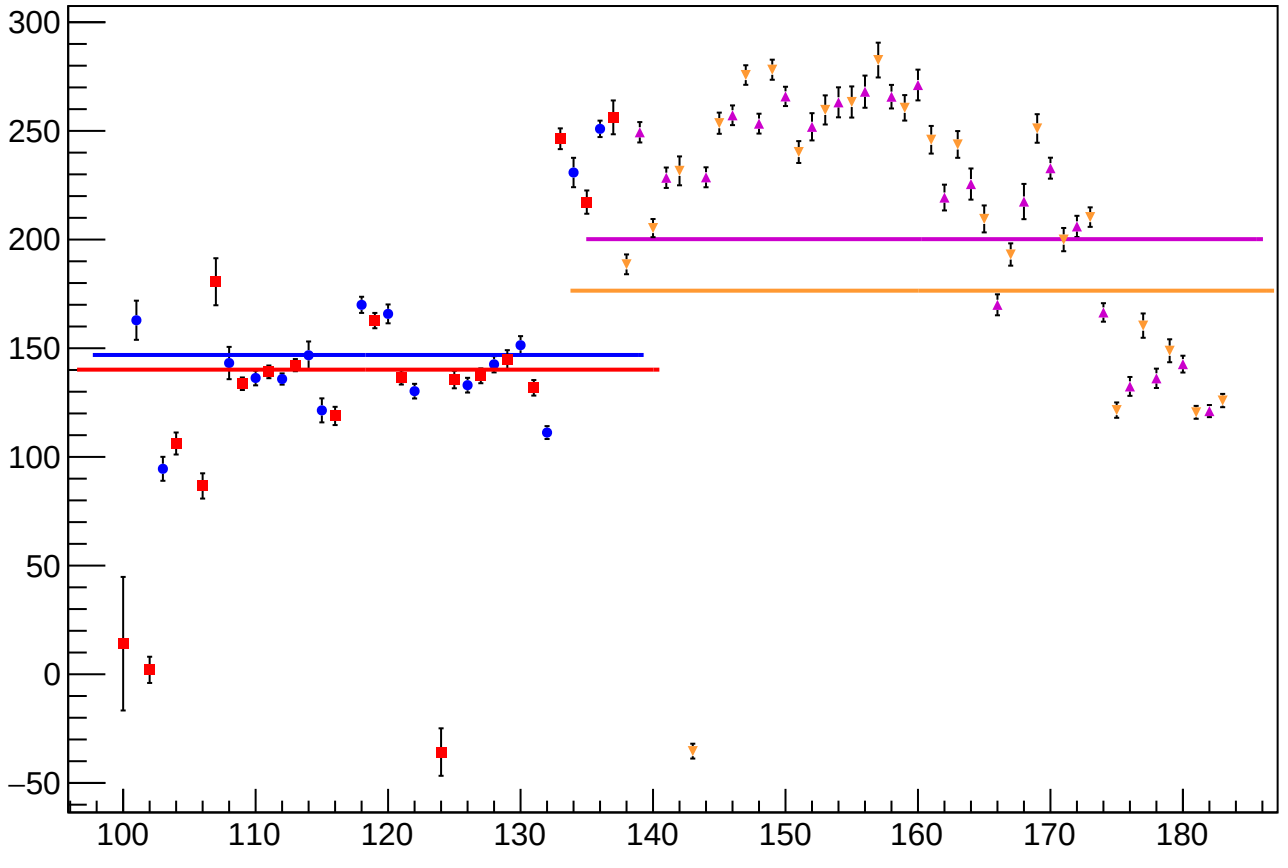
Left: -138.485+/-0.031 χ^2/NDF: 864101.0/45

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -137.826+/-0.039 χ^2/NDF:348316.3/37

Out: -126.955+/-0.038 χ^2/NDF:1135800.1/42

All: -132.151+/-0.027 χ^2/NDF: 1524268.2/80



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 176.486+/-0.967 χ^2/NDF:7416.1/23

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: 187.635+/-0.704 χ^2/NDF: 10530.3/45

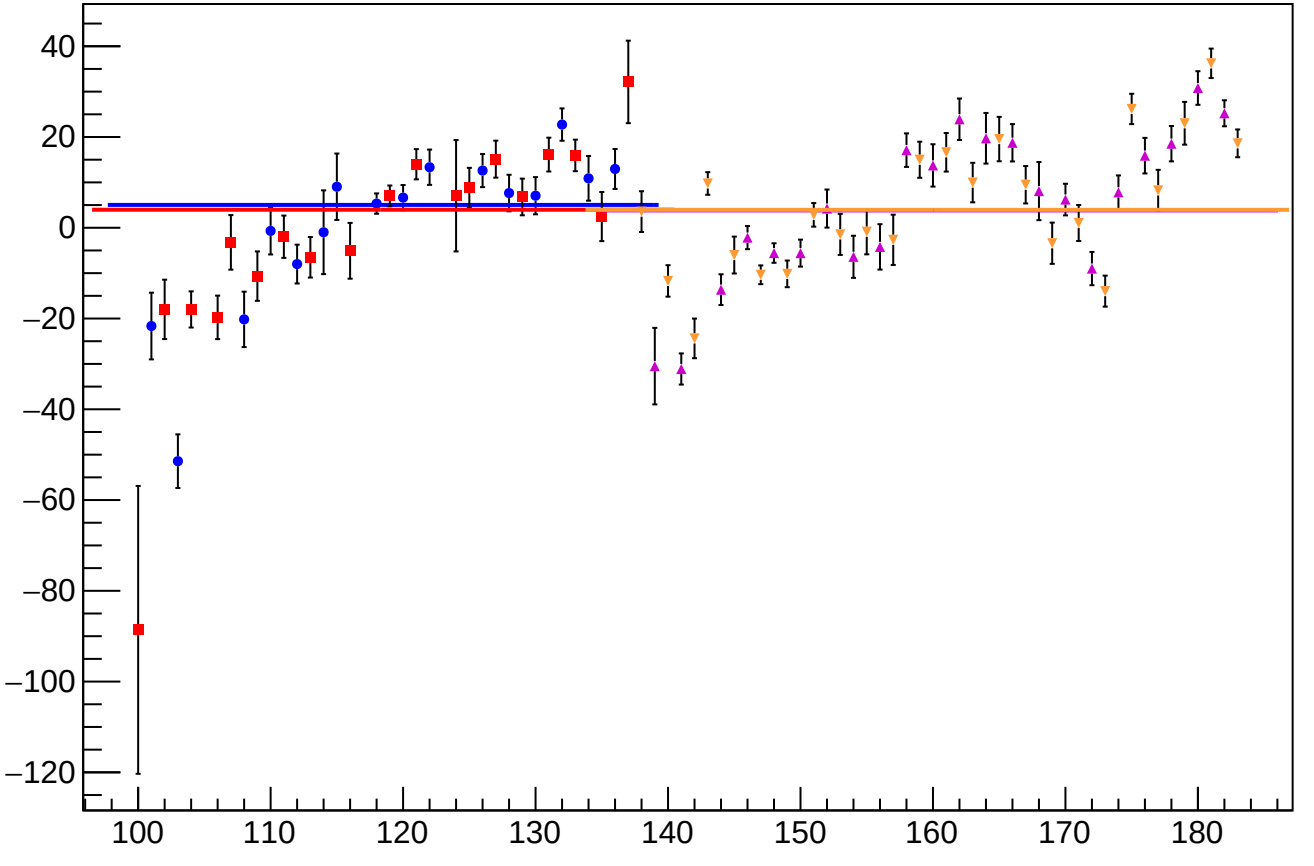
Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 172.945+/-0.717 χ^2/NDF:5512.0/37

Out: 158.187+/-0.681 χ^2/NDF:10077.6/42

All: 165.185+/-0.494 χ^2/NDF: 15812.1/80

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 3.955+/-0.729 χ^2/NDF:393.5/23

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: 3.890+/-0.532 χ^2/NDF: 787.1/45

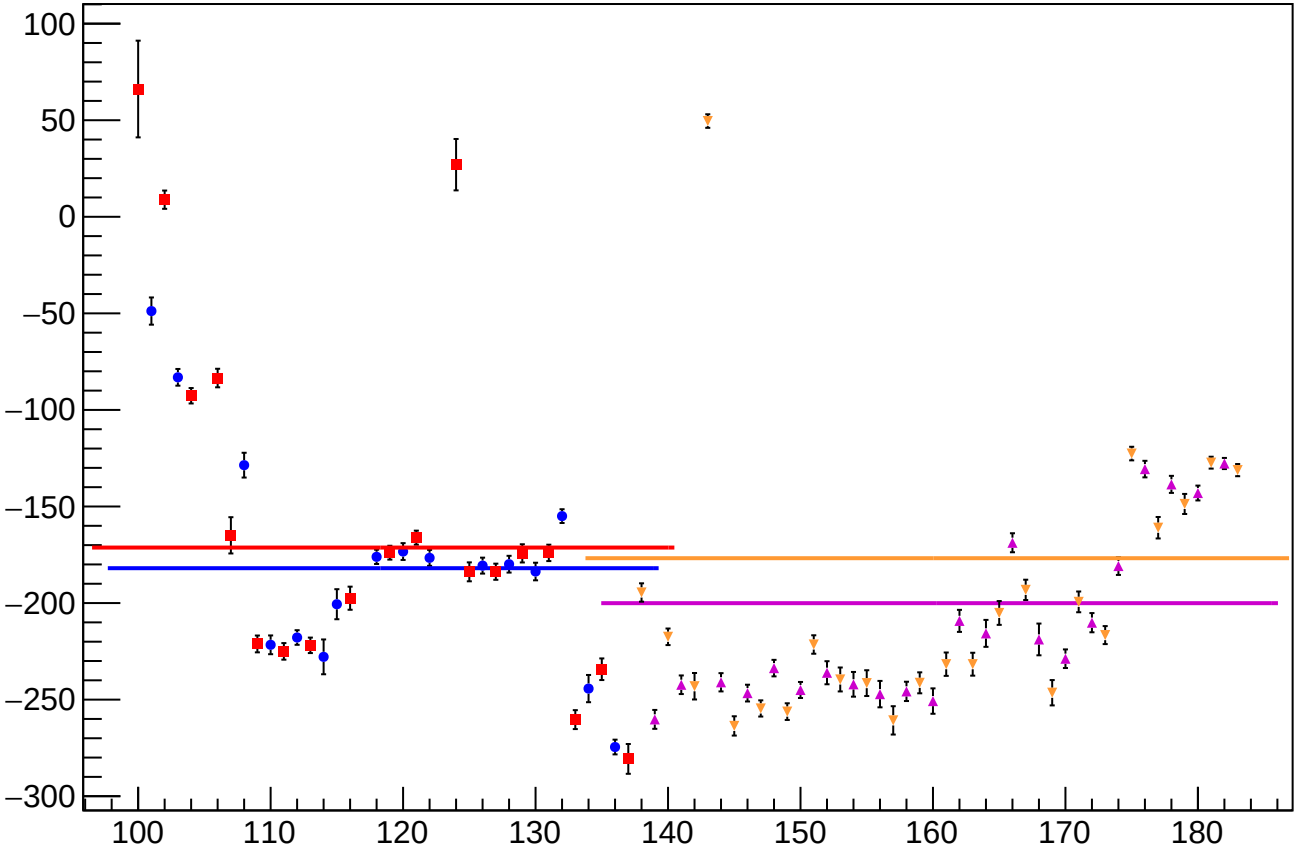
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 4.265+/-0.619 χ^2/NDF:566.3/37

Out: 3.961+/-0.592 χ^2/NDF:538.4/42

All: 4.106+/-0.428 χ^2/NDF: 1104.9/80

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: -176.772+/-0.965 χ^2/NDF:7024.6/23

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -200.055+/-1.019 χ^2/NDF:2282.3/21

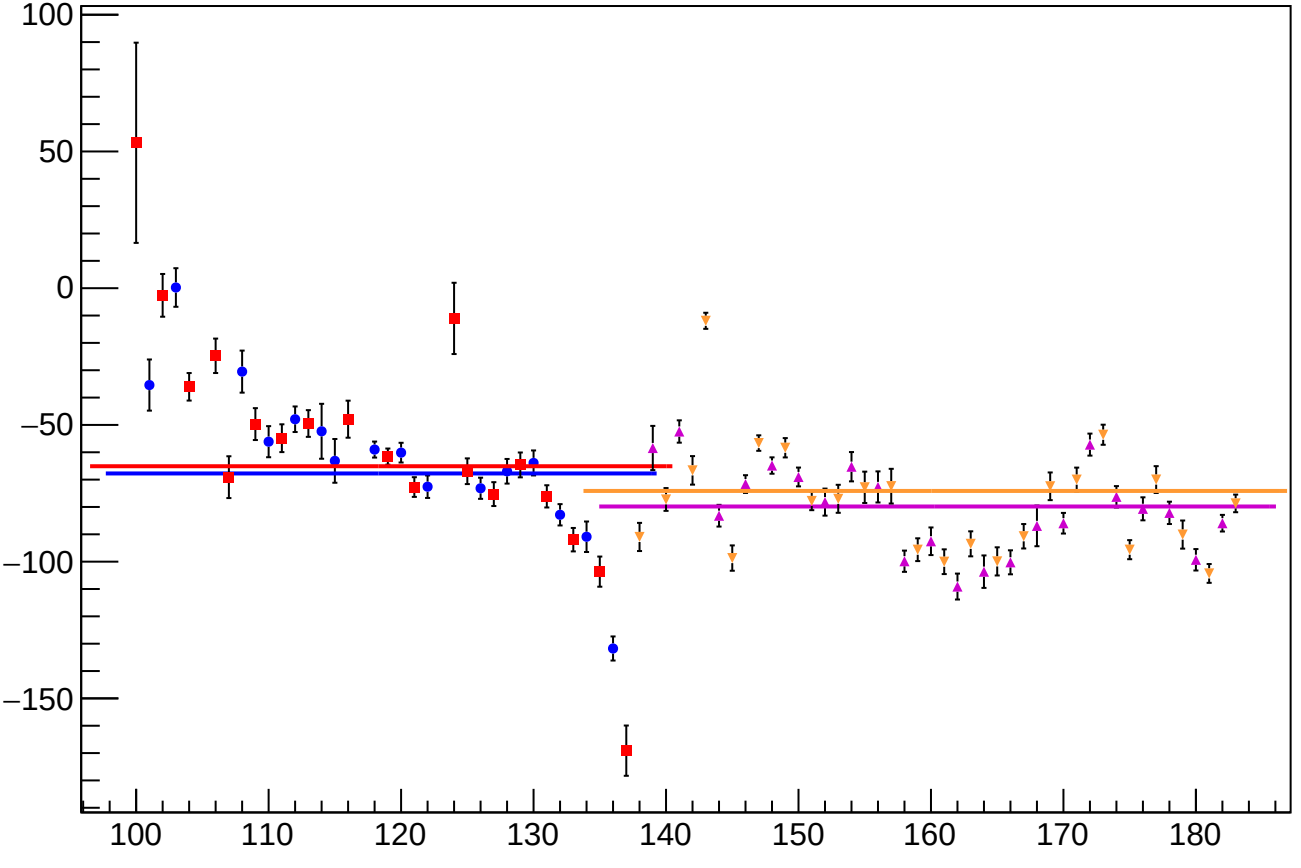
Left: -187.785+/-0.700 χ^2/NDF: 9582.3/45

Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -192.126+/-0.764 χ^2/NDF:4291.2/37

Out: -174.403+/-0.729 χ^2/NDF:10666.8/42

All: -182.848+/-0.527 χ^2/NDF: 15240.0/80



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -74.139+/-0.836 χ^2/NDF:824.6/23

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -79.827+/-0.887 χ^2/NDF:277.0/21

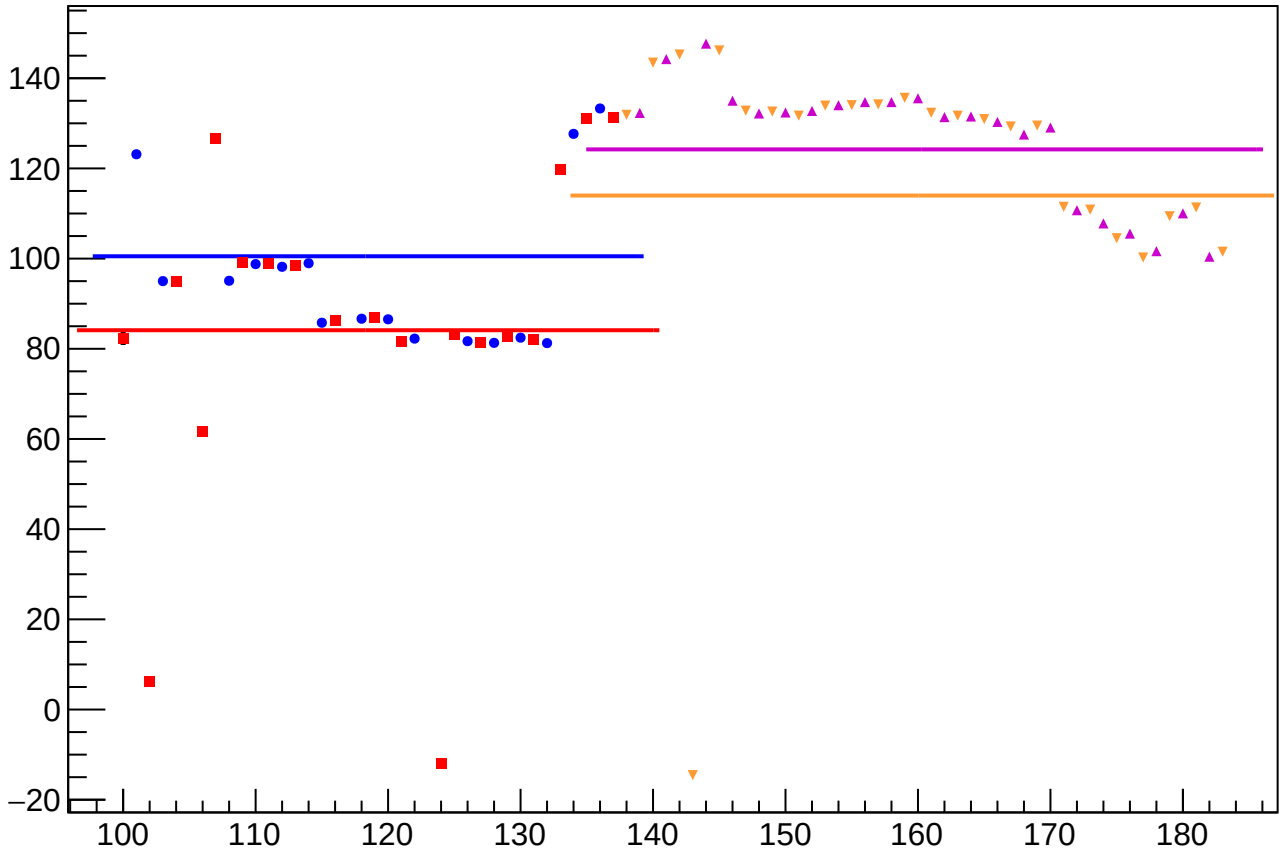
Left: -76.817+/-0.608 χ^2/NDF: 1123.3/45

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -75.471+/-0.709 χ^2/NDF:757.9/37

Out: -71.072+/-0.680 χ^2/NDF:1293.2/42

All: -73.179+/-0.491 χ^2/NDF: 2071.2/80



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 113.984+/-0.039 χ^2/NDF:960808.2/23

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: 118.919+/-0.028 χ^2/NDF: 1119820.8/45

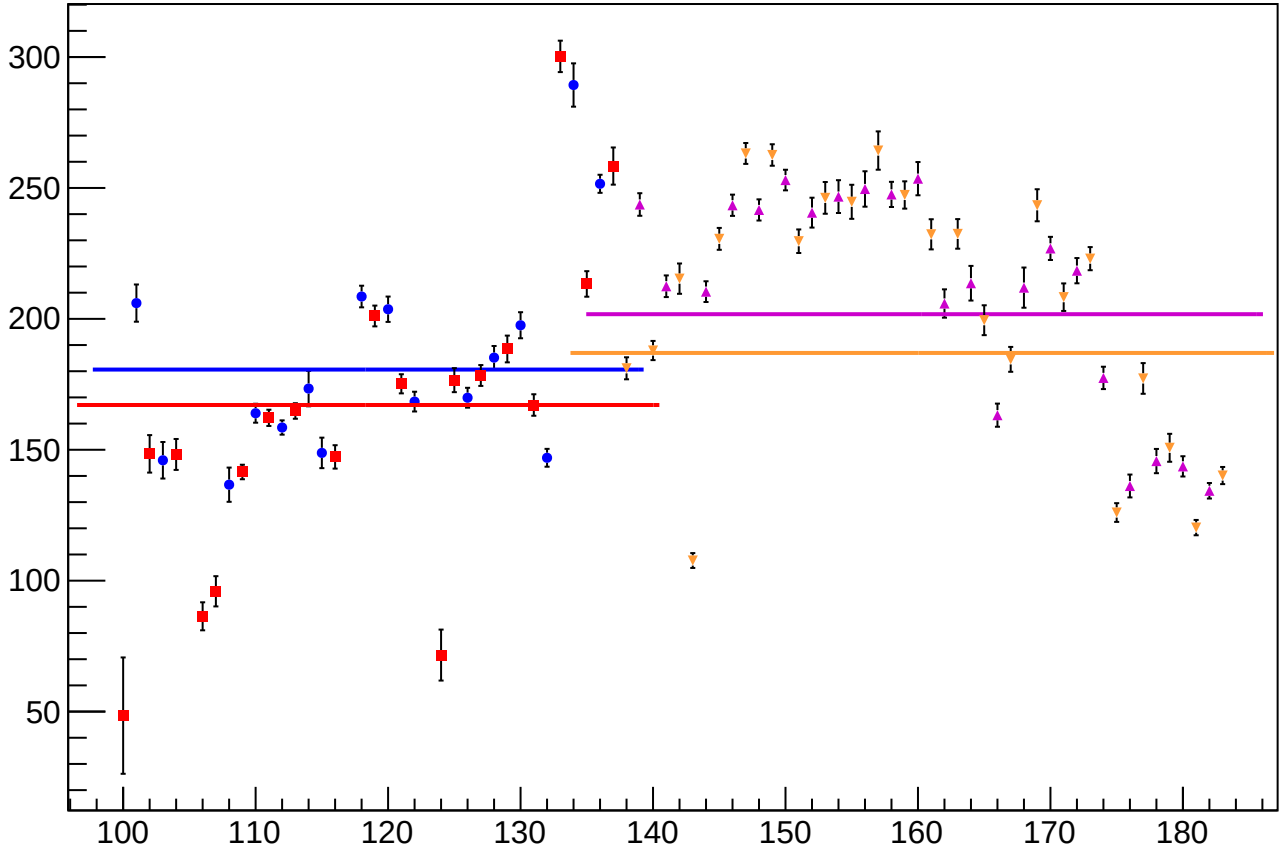
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 118.801+/-0.035 χ^2/NDF:272229.0/37

Out: 106.828+/-0.034 χ^2/NDF:1366234.2/42

All: 112.559+/-0.024 χ^2/NDF: 1698252.2/80

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: 186.983+/-0.904 χ^2/NDF:3489.0/23

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 201.783+/-0.970 χ^2/NDF:2056.7/21

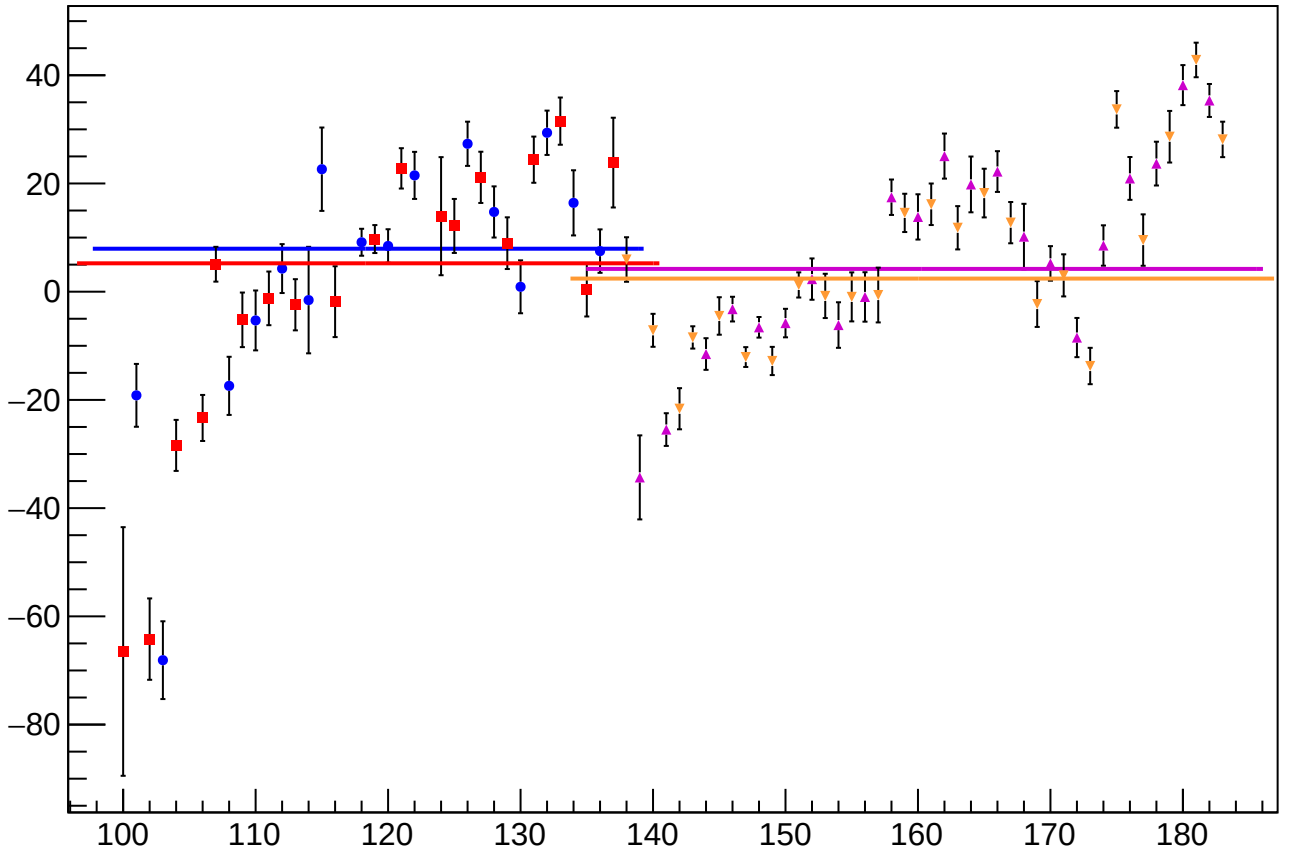
Left: 193.865+/-0.662 χ^2/NDF: 5670.2/45

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 192.432+/-0.725 χ^2/NDF:3260.2/37

Out: 178.239+/-0.677 χ^2/NDF:5186.0/42

All: 184.854+/-0.495 χ^2/NDF: 8651.1/80



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: 2.424+/-0.668 χ^2/NDF:594.6/23

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 4.210+/-0.721 χ^2/NDF:537.9/21

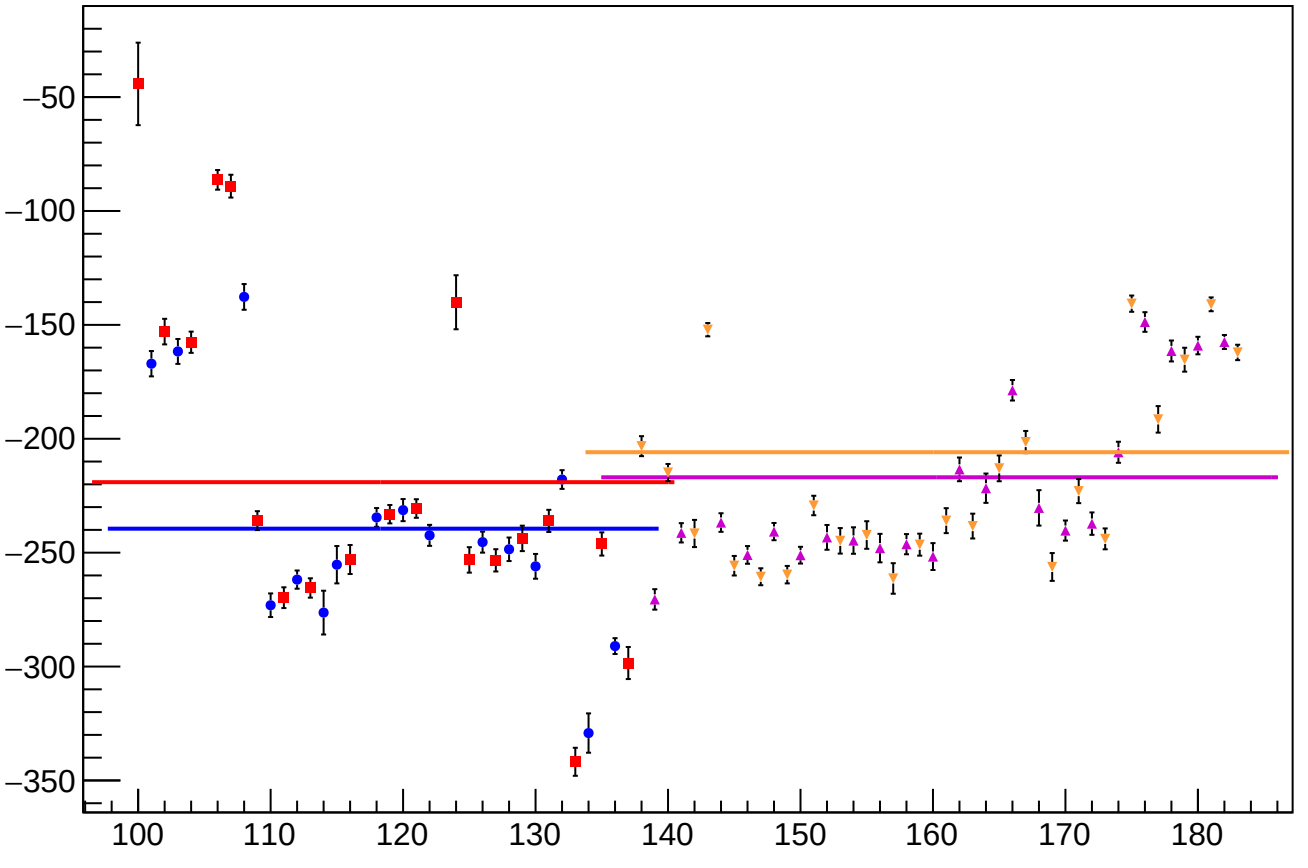
Left: 3.249+/-0.490 χ^2/NDF: 1135.9/45

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 5.313+/-0.605 χ^2/NDF:778.8/37

Out: 3.224+/-0.566 χ^2/NDF:902.6/42

All: 4.198+/-0.413 χ^2/NDF: 1687.7/80



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -205.890+/-0.901 χ^2/NDF:2421.3/23

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: -211.050+/-0.657 χ^2/NDF: 4167.4/45

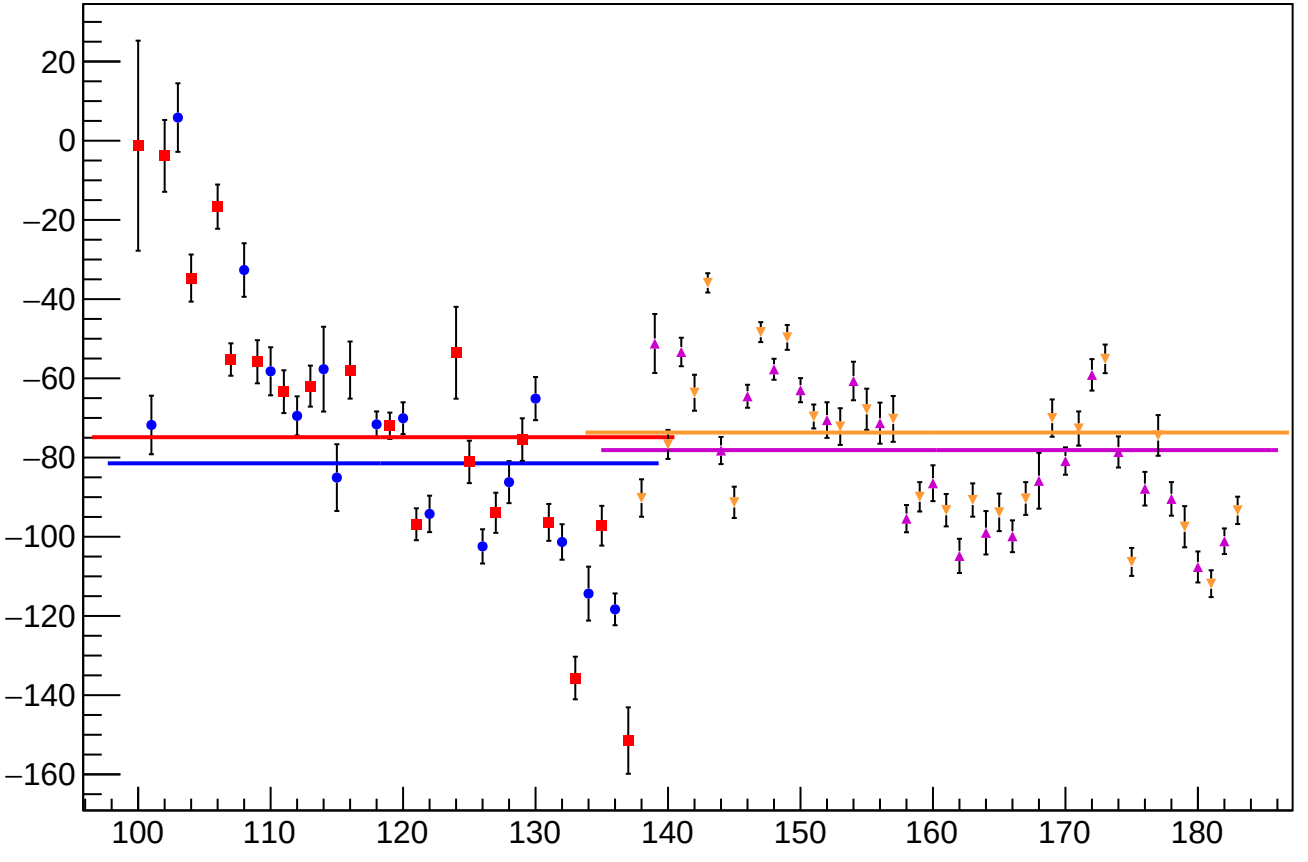
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -225.315+/-0.760 χ^2/NDF:3044.2/37

Out: -210.758+/-0.715 χ^2/NDF:5549.5/42

All: -217.593+/-0.521 χ^2/NDF: 8788.2/80

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: -73.689+/-0.772 χ^2/NDF:828.0/23

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -78.123+/-0.827 χ^2/NDF:440.4/21

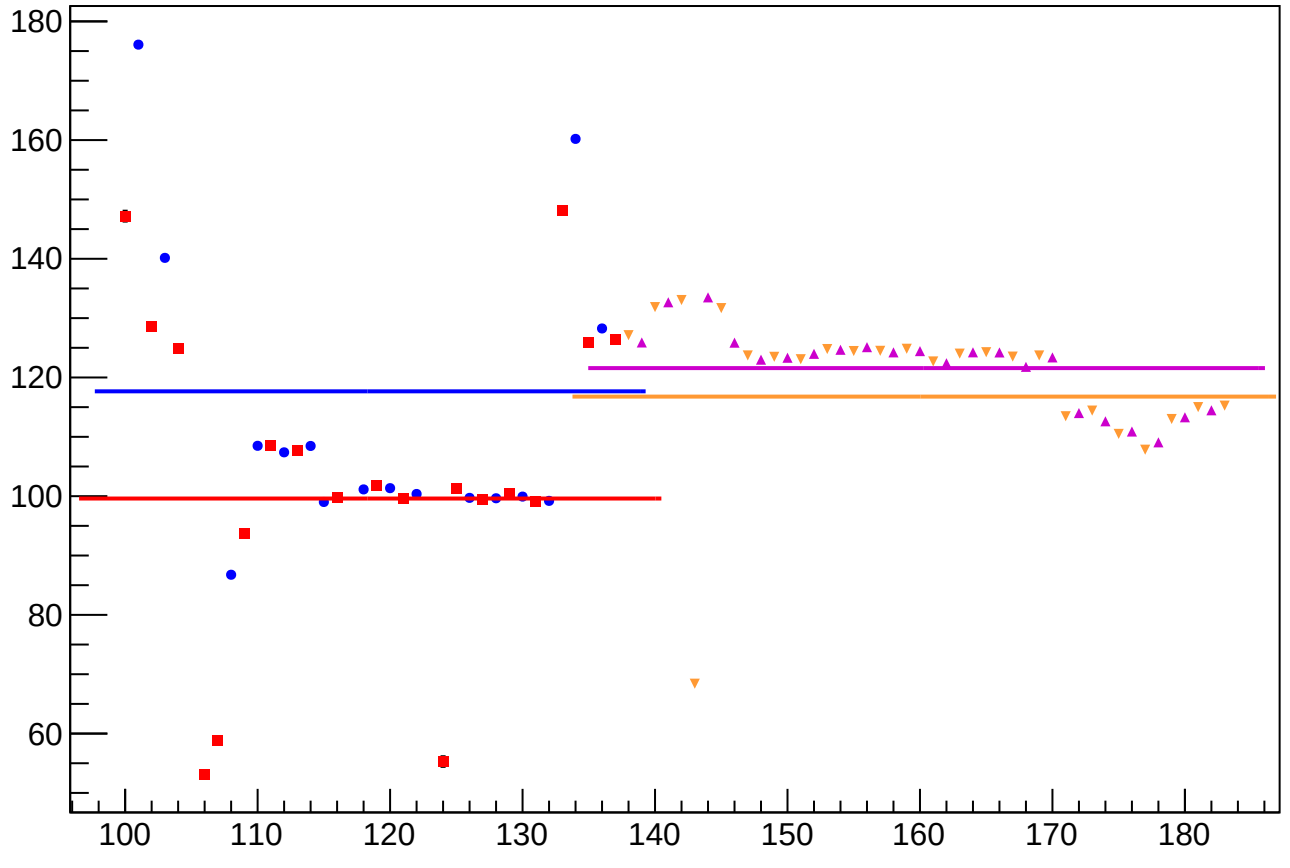
Left: -75.755+/-0.564 χ^2/NDF: 1283.8/45

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -79.098+/-0.695 χ^2/NDF:811.7/37

Out: -74.020+/-0.654 χ^2/NDF:1405.3/42

All: -76.403+/-0.476 χ^2/NDF: 2245.3/80



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.778+/-0.036 χ^2/NDF:203594.7/23

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 121.580+/-0.038 χ^2/NDF:28348.2/21

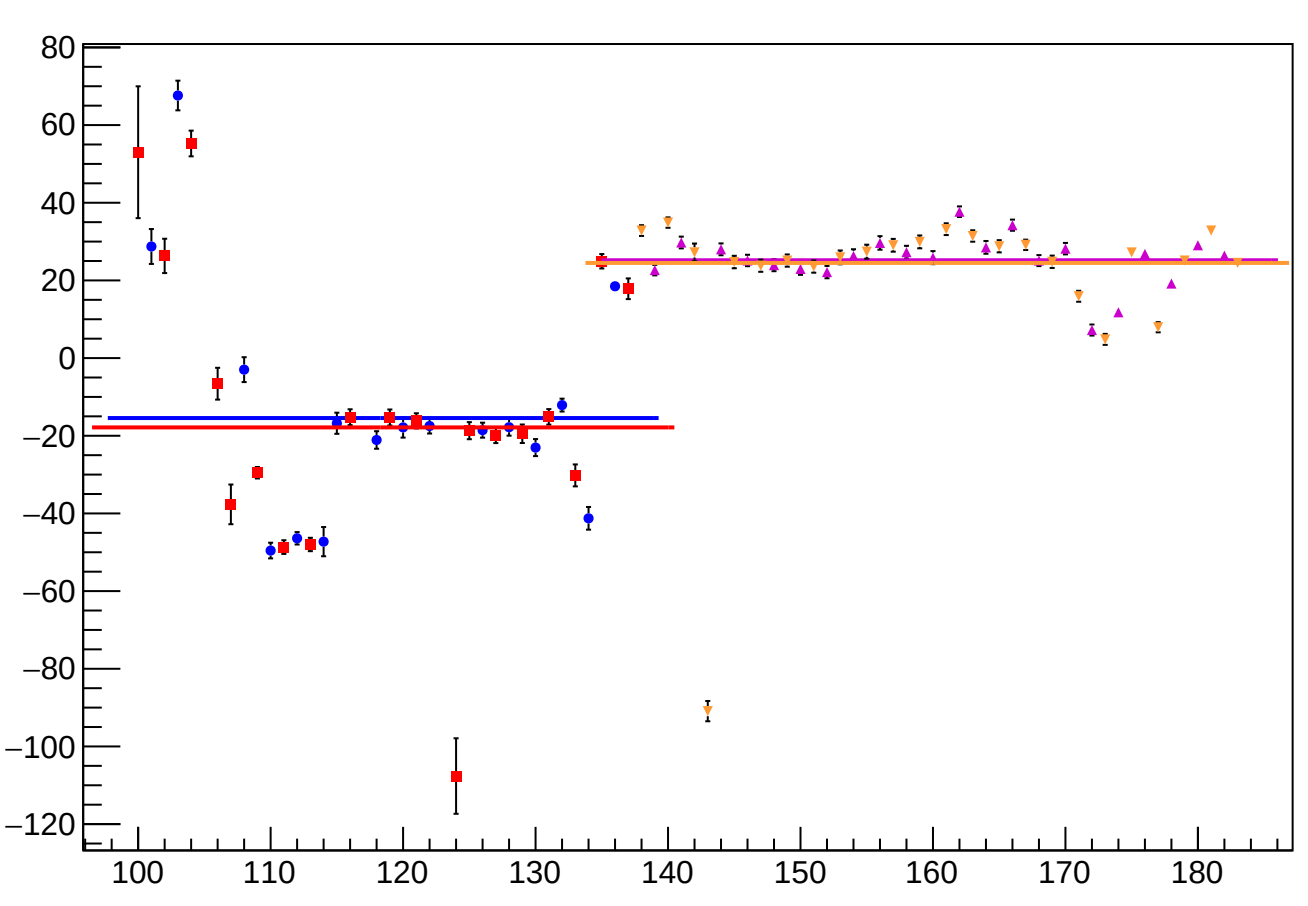
Left: 119.077+/-0.026 χ^2/NDF: 240385.0/45

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 120.842+/-0.034 χ^2/NDF:125775.4/37

Out: 113.184+/-0.032 χ^2/NDF:417016.6/42

All: 116.801+/-0.023 χ^2/NDF: 569573.7/80



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.504+/-0.284 χ^2/NDF:2634.5/23

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.190+/-0.291 χ^2/NDF:491.0/21

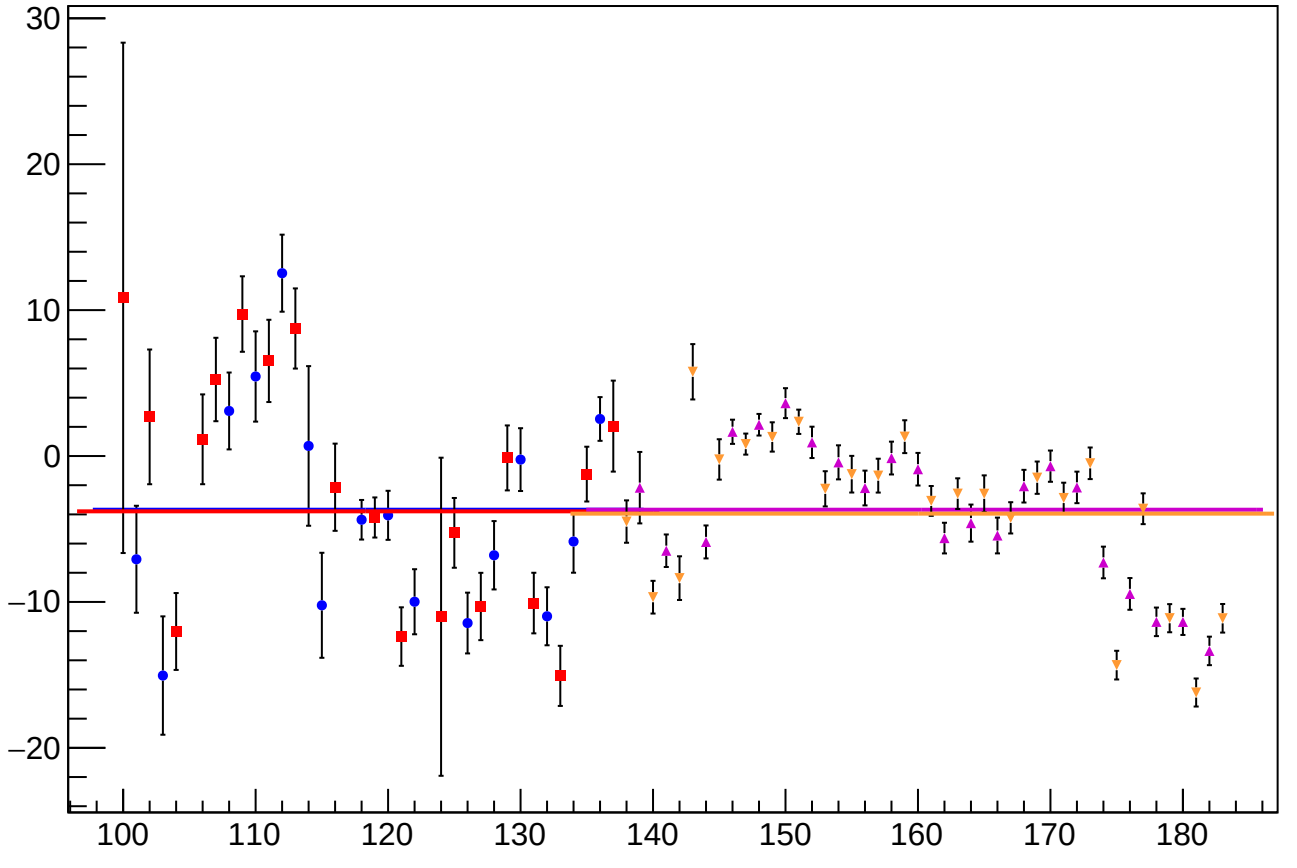
Left: 24.838+/-0.204 χ^2/NDF: 3128.4/45

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 16.005+/-0.256 χ^2/NDF:7011.7/37

Out: 15.024+/-0.251 χ^2/NDF:9722.7/42

All: 15.503+/-0.179 χ^2/NDF: 16741.9/80



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -3.949+/-0.219 χ^2/NDF:633.2/23

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -3.680+/-0.226 χ^2/NDF:499.3/21

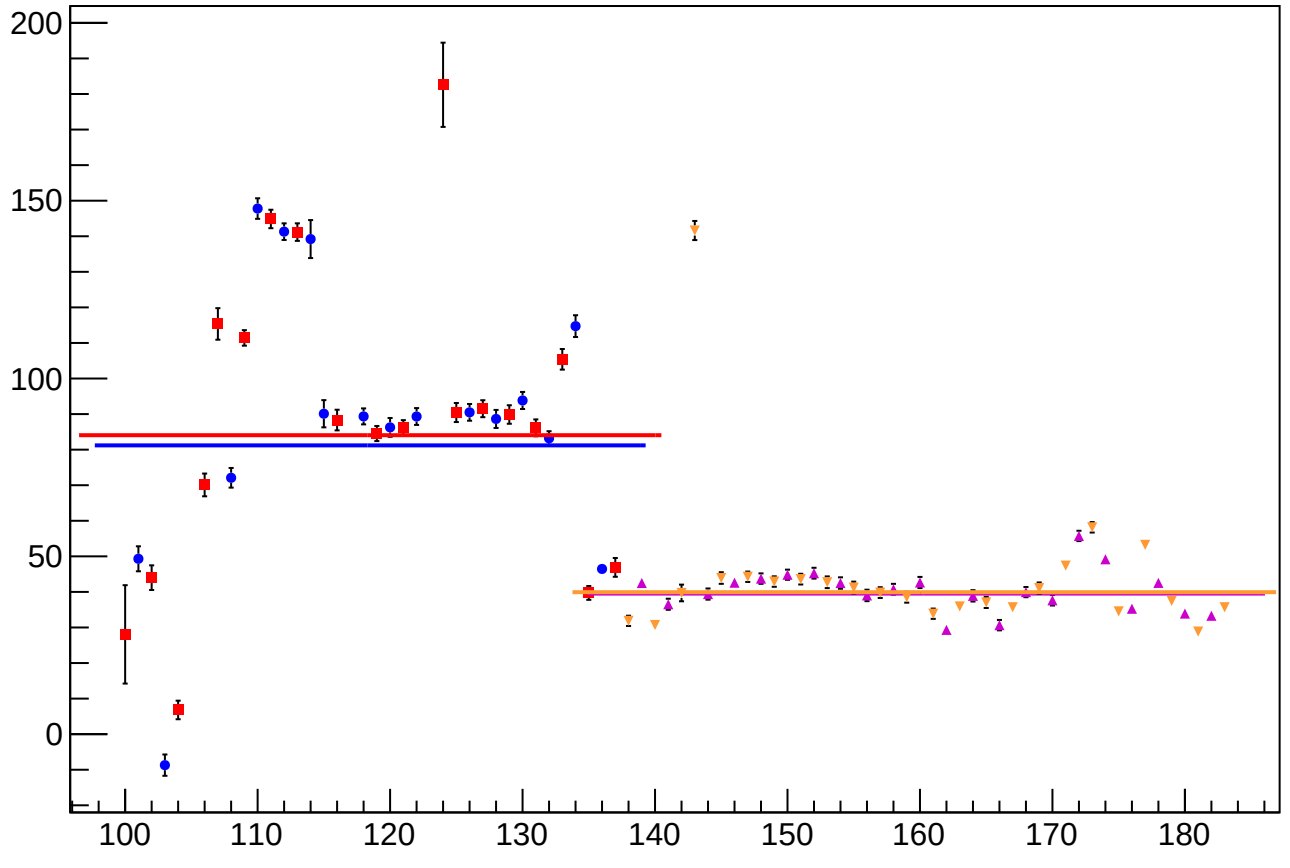
Left: -3.818+/-0.157 χ^2/NDF: 1133.2/45

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.680+/-0.209 χ^2/NDF:623.3/37

Out: -3.928+/-0.204 χ^2/NDF:794.4/42

All: -3.807+/-0.146 χ^2/NDF: 1418.4/80



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 39.927+/-0.282 χ^2/NDF:2061.8/23

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.529+/-0.288 χ^2/NDF:431.8/21

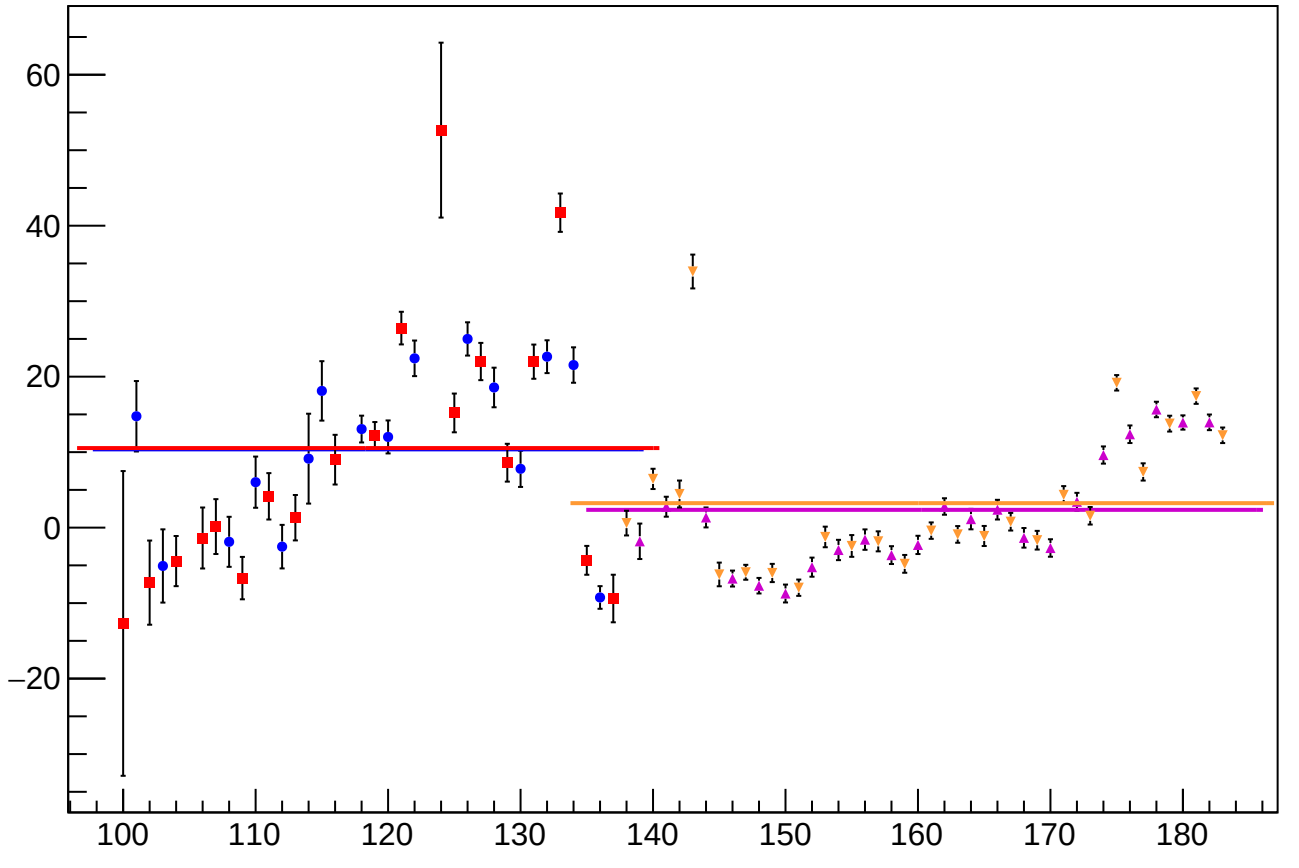
Left: 39.733+/-0.202 χ^2/NDF: 2494.5/45

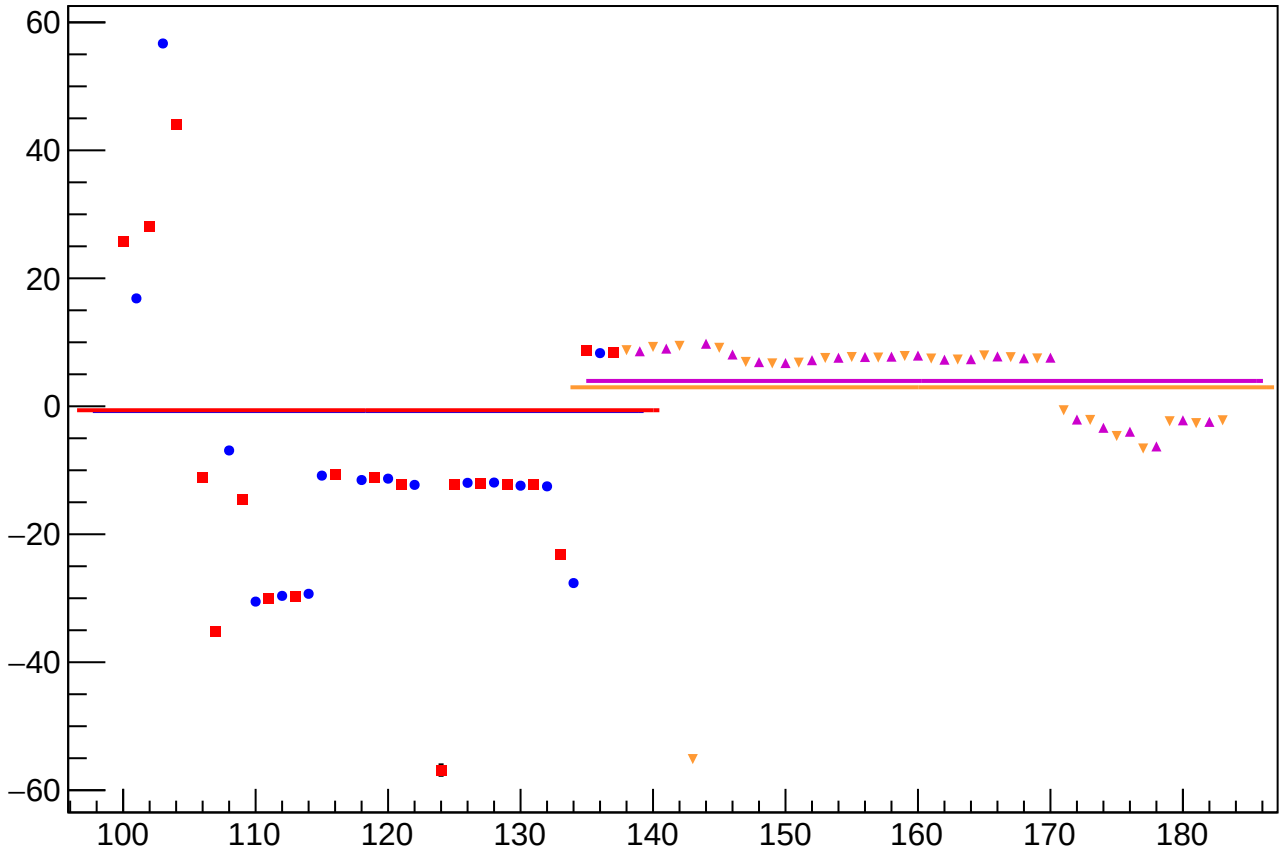
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 47.207+/-0.261 χ^2/NDF:7506.7/37

Out: 47.586+/-0.257 χ^2/NDF:9507.7/42

All: 47.399+/-0.183 χ^2/NDF: 17015.6/80


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: 3.242+/-0.247 χ²/NDF:1256.4/23
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: 2.355+/-0.254 χ²/NDF:948.1/21
Left: 2.810+/-0.177 χ²/NDF: 2210.7/45
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 3.484+/-0.235 χ²/NDF:1448.4/37
Out: 4.190+/-0.231 χ²/NDF:1840.1/42
All: 3.844+/-0.165 χ²/NDF: 3293.1/80



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 2.967+/-0.011 χ^2/NDF:508613.2/23

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 3.963+/-0.011 χ^2/NDF:226332.8/21

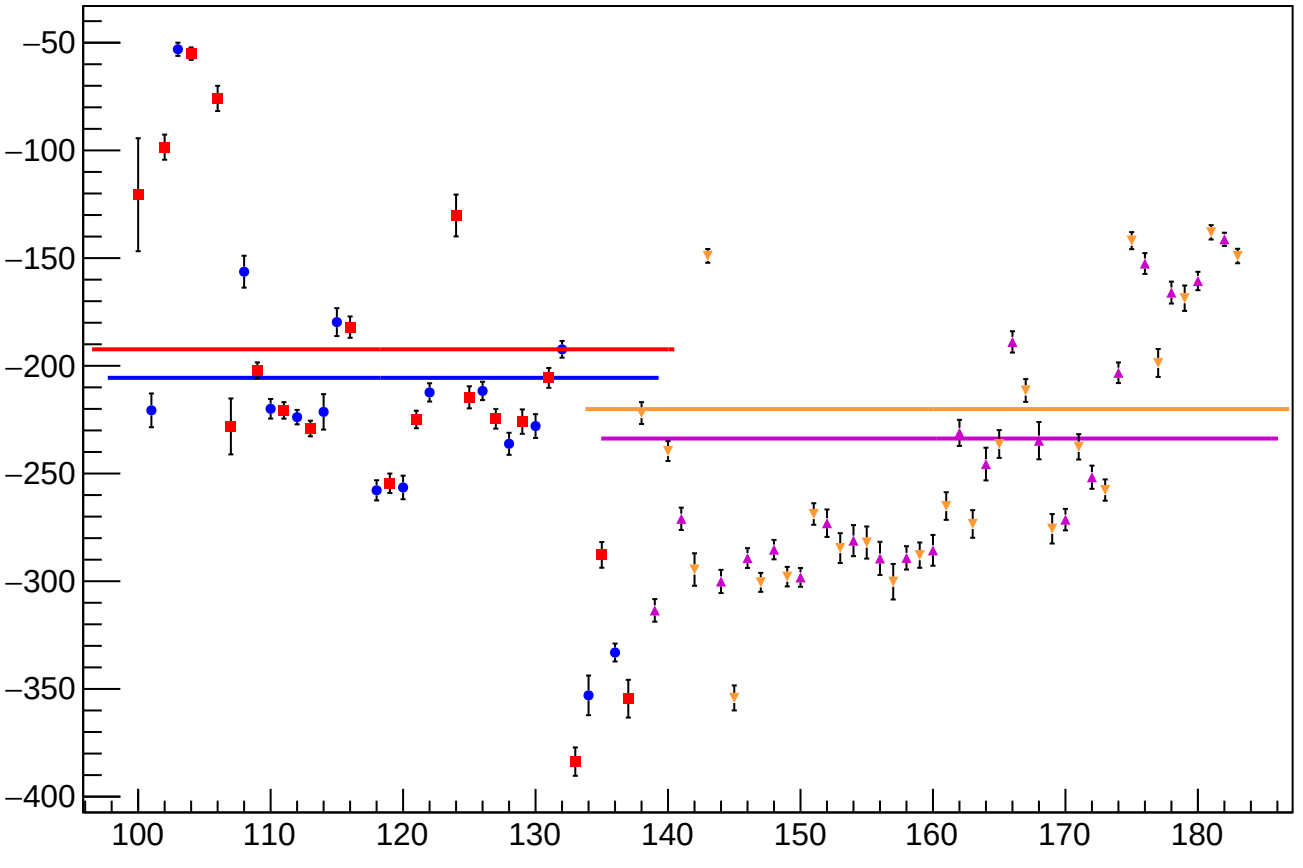
Left: 3.459+/-0.008 χ^2/NDF: 738929.0/45

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 3.543+/-0.011 χ^2/NDF:610011.1/37

Out: 2.676+/-0.011 χ^2/NDF:833577.3/42

All: 3.107+/-0.008 χ^2/NDF: 1446891.3/80



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -220.088+/-1.028 χ^2/NDF:4031.3/23

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -233.760+/-1.097 χ^2/NDF:3077.0/21

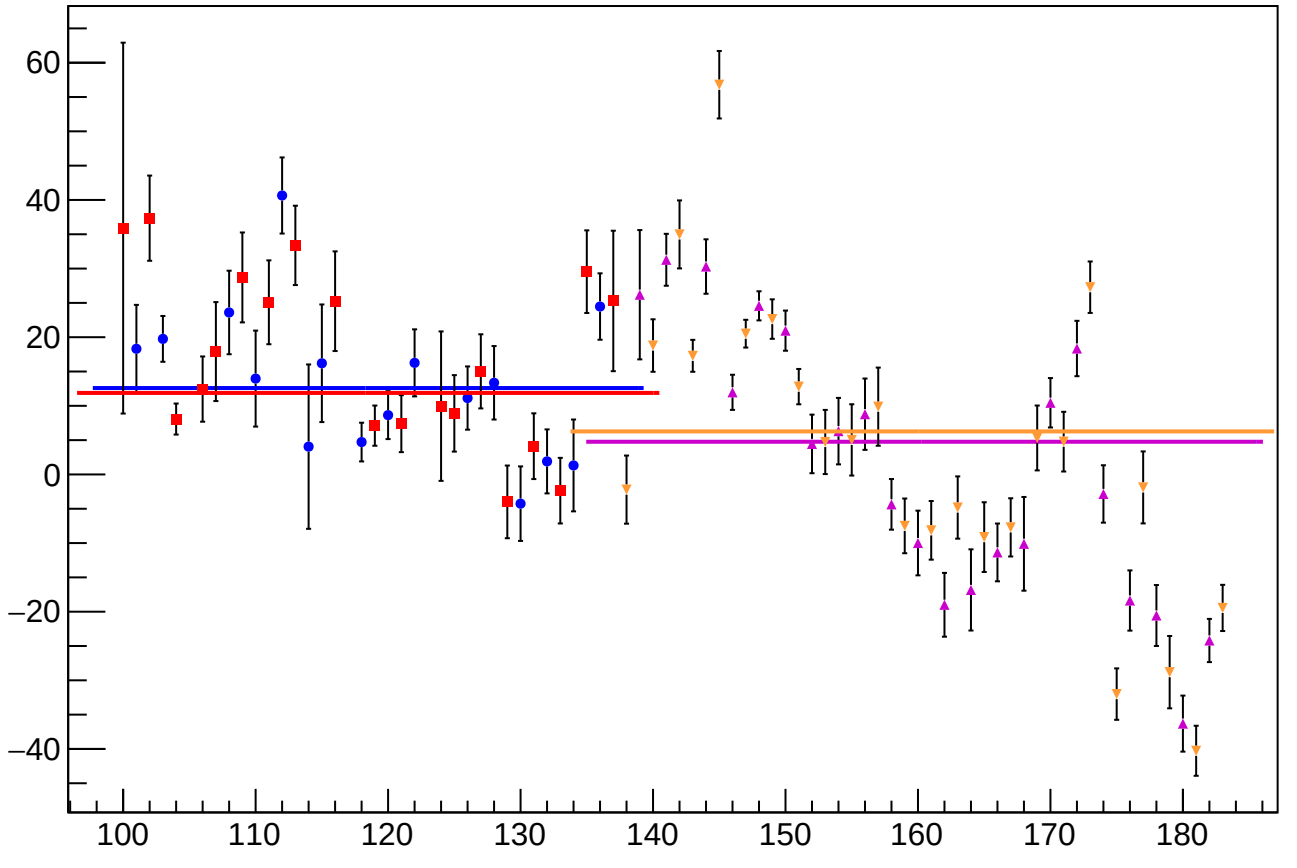
Left: -226.480+/-0.750 χ^2/NDF: 7191.1/45

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -220.755+/-0.805 χ^2/NDF:7437.8/37

Out: -207.439+/-0.758 χ^2/NDF:9333.5/42

All: -213.698+/-0.552 χ^2/NDF: 16916.4/80



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 6.270+/-0.758 χ^2/NDF:717.4/23

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: 5.573+/-0.555 χ^2/NDF: 1279.4/45

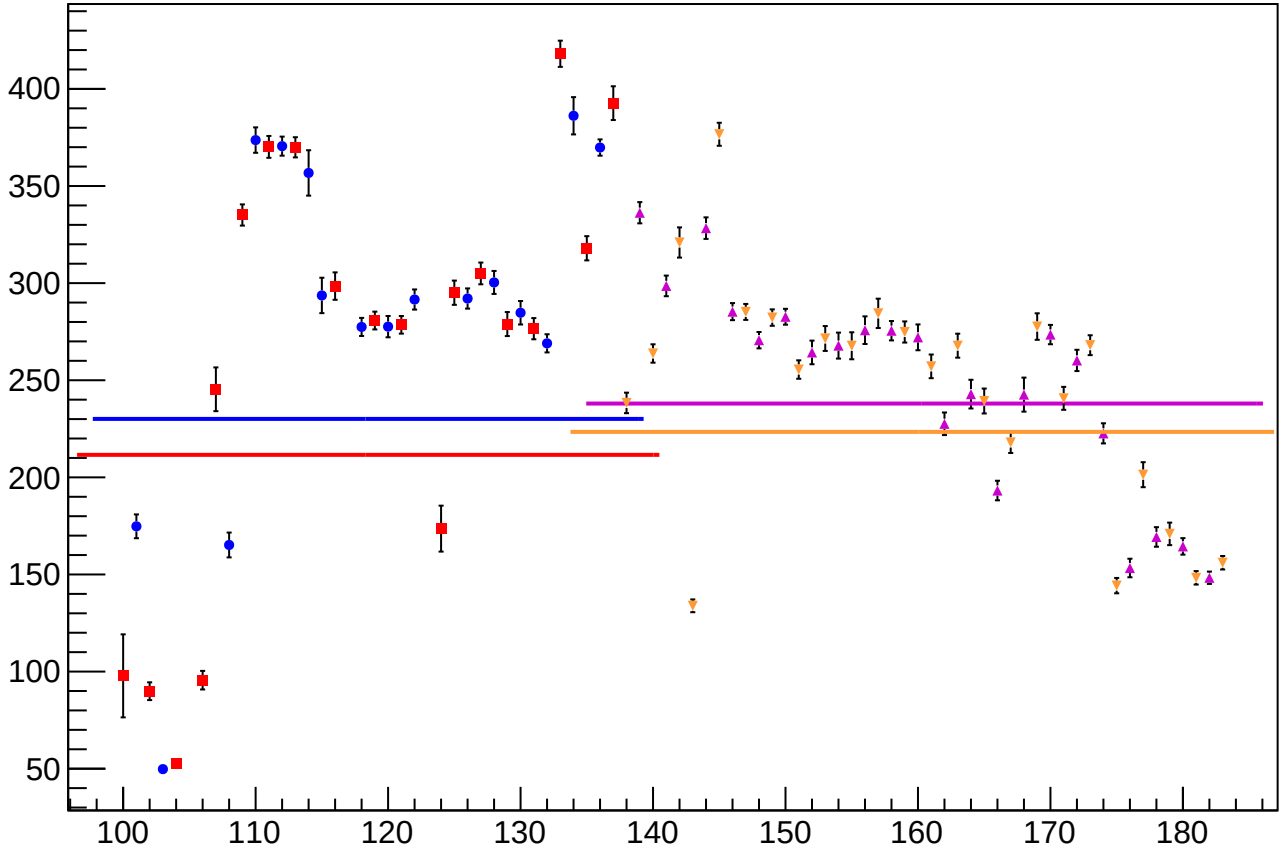
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 7.232+/-0.675 χ^2/NDF:657.7/37

Out: 8.028+/-0.628 χ^2/NDF:819.5/42

All: 7.659+/-0.460 χ^2/NDF: 1478.0/80

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: 223.420+/-1.022 χ^2/NDF:3938.6/23

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: 230.280+/-0.744 χ^2/NDF: 6955.8/45

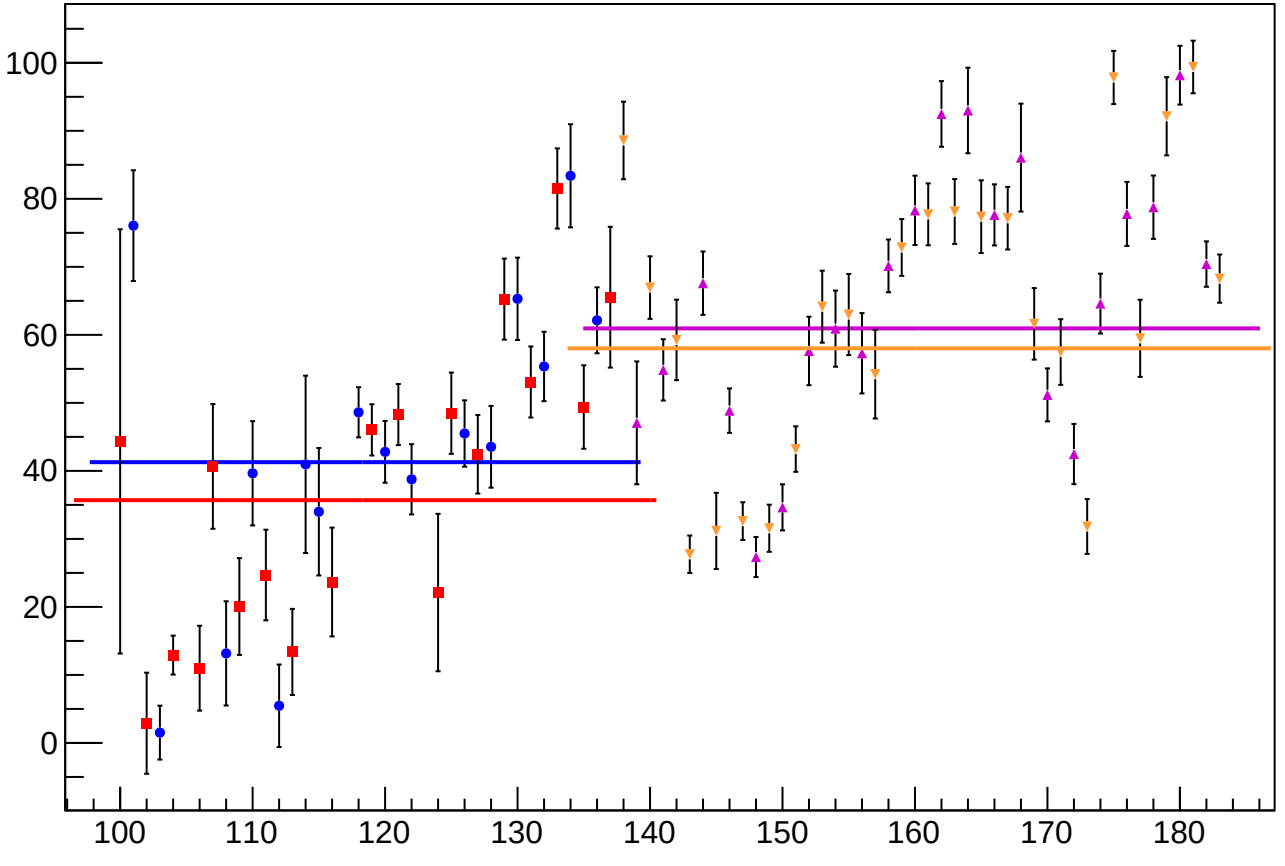
Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 234.635+/-0.822 χ^2/NDF:12319.8/37

Out: 218.422+/-0.777 χ^2/NDF:15467.3/42

All: 226.073+/-0.565 χ^2/NDF: 27992.7/80

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 58.021+/-0.875 χ^2/NDF:724.6/23

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: 59.389+/-0.639 χ^2/NDF: 1184.3/45

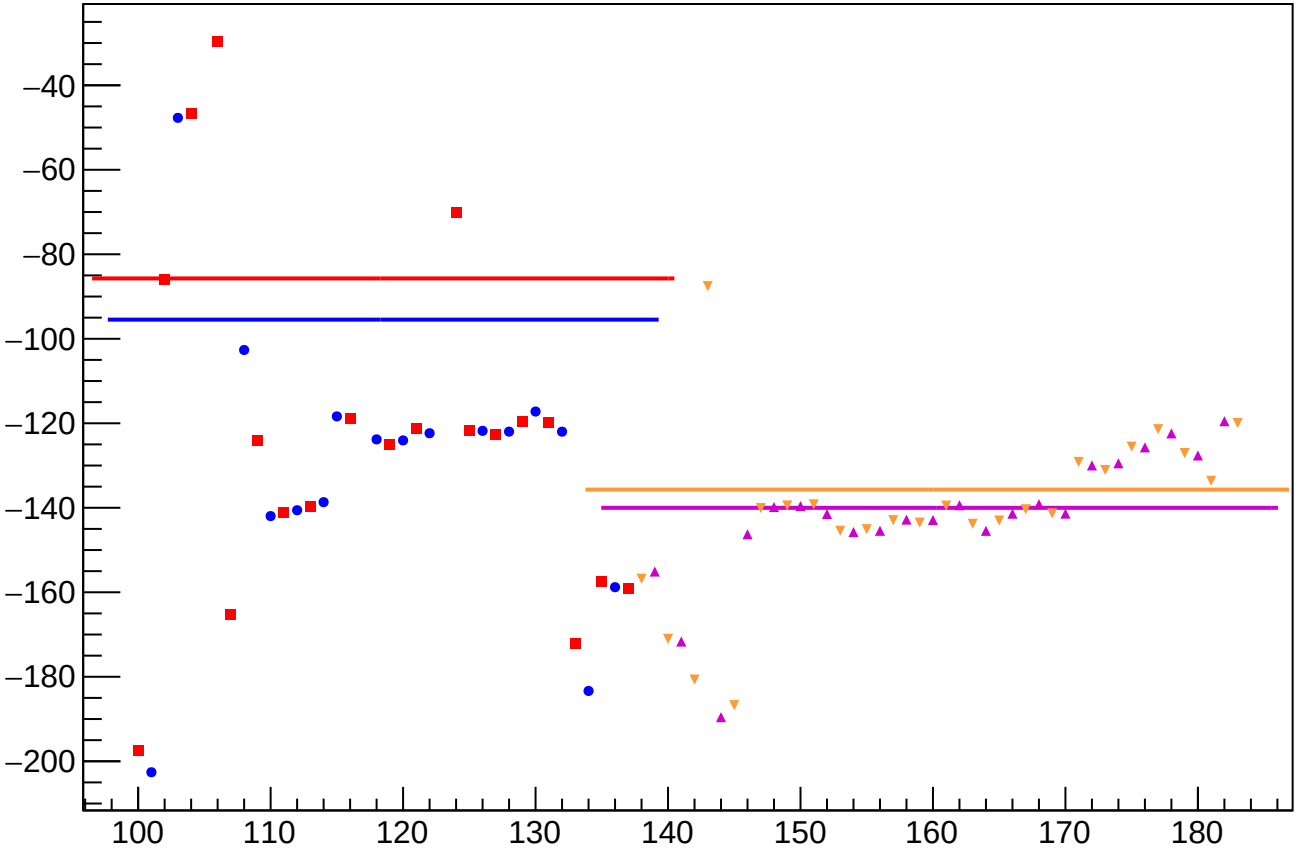
Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 54.873+/-0.777 χ^2/NDF:837.1/37

Out: 51.182+/-0.729 χ^2/NDF:1177.2/42

All: 52.910+/-0.532 χ^2/NDF: 2026.3/80

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -135.695+/-0.041 χ^2/NDF:258954.6/23

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -140.010+/-0.043 χ^2/NDF:110073.6/21

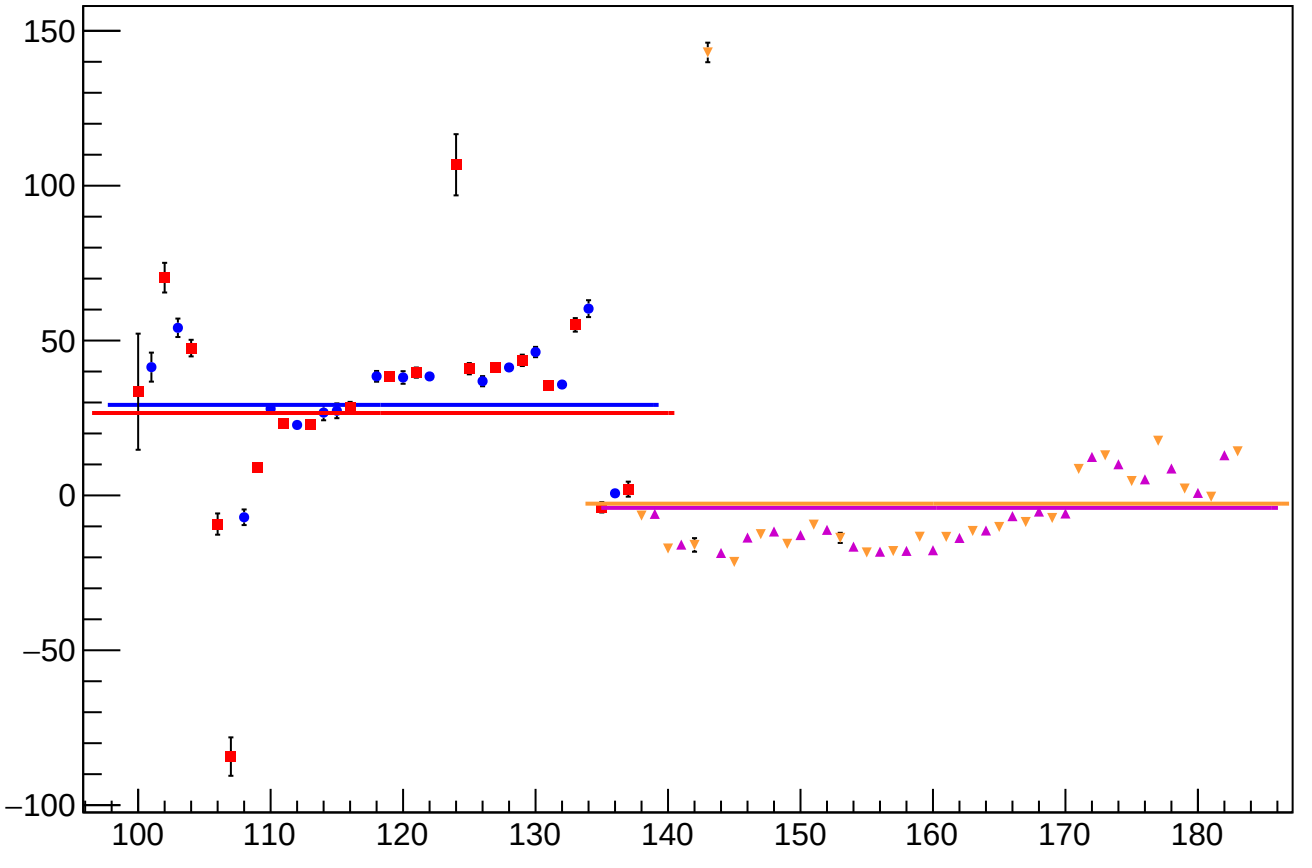
Left: -137.767+/-0.030 χ^2/NDF: 374334.4/45

Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

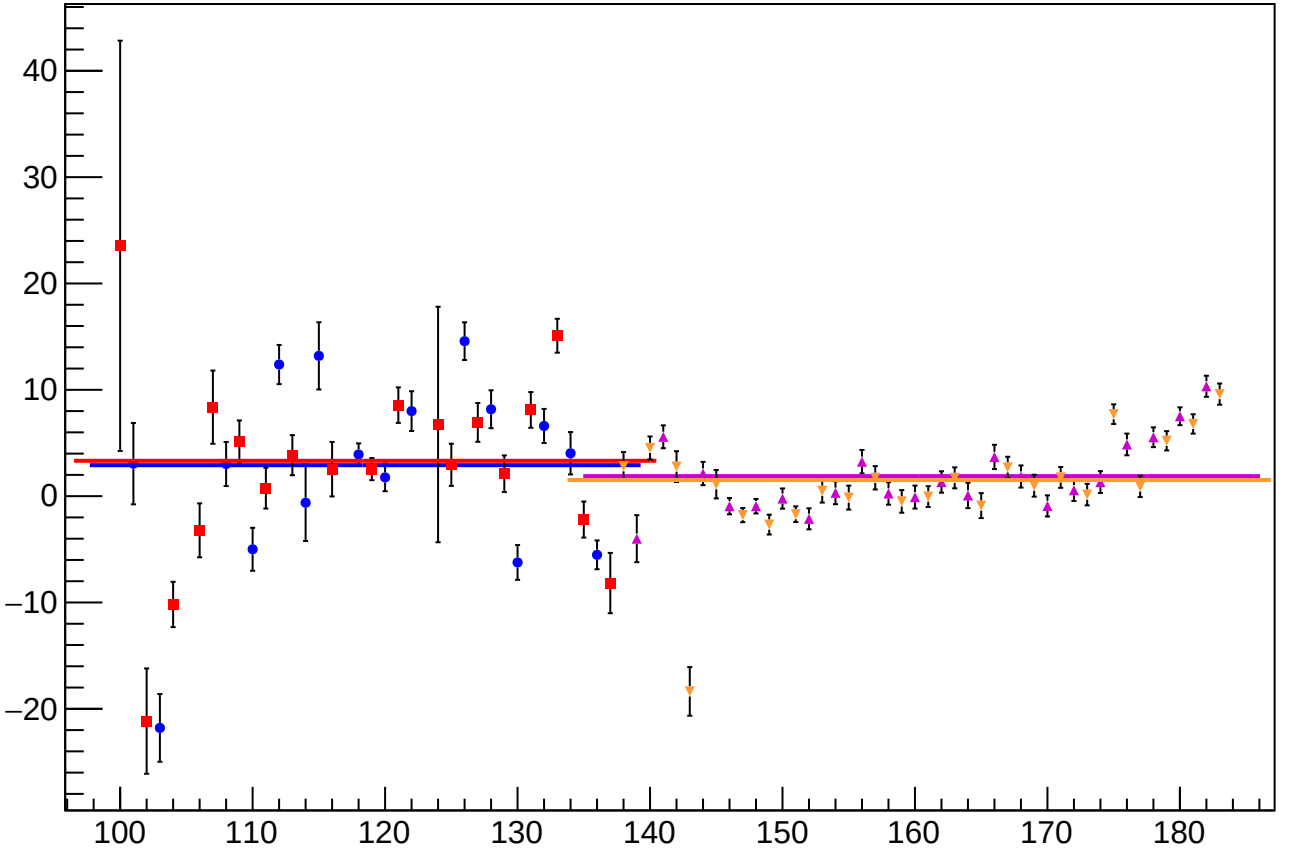
In: -127.784+/-0.036 χ^2/NDF:928441.6/37

Out: -122.039+/-0.035 χ^2/NDF:1146569.1/42

All: -124.800+/-0.025 χ^2/NDF: 2087960.2/80


reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: 29.229+/-0.424 χ²/NDF: 1342.9/15
Left Out: -2.663+/-0.269 χ²/NDF:3894.0/23
Right Out: 26.609+/-0.414 χ²/NDF: 1920.6/18
Left In: -4.019+/-0.275 χ²/NDF:1538.9/21
Left: -3.326+/-0.192 χ²/NDF: 5445.3/45
Right: 27.887+/-0.296 χ²/NDF: 3283.1/34
In: 5.800+/-0.231 χ²/NDF:7209.1/37
Out: 6.013+/-0.225 χ²/NDF:9330.6/42
All: 5.909+/-0.161 χ²/NDF: 16540.1/80

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: 1.521+/-0.206 χ^2/NDF:326.5/23

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: 1.697+/-0.148 χ^2/NDF: 565.4/45

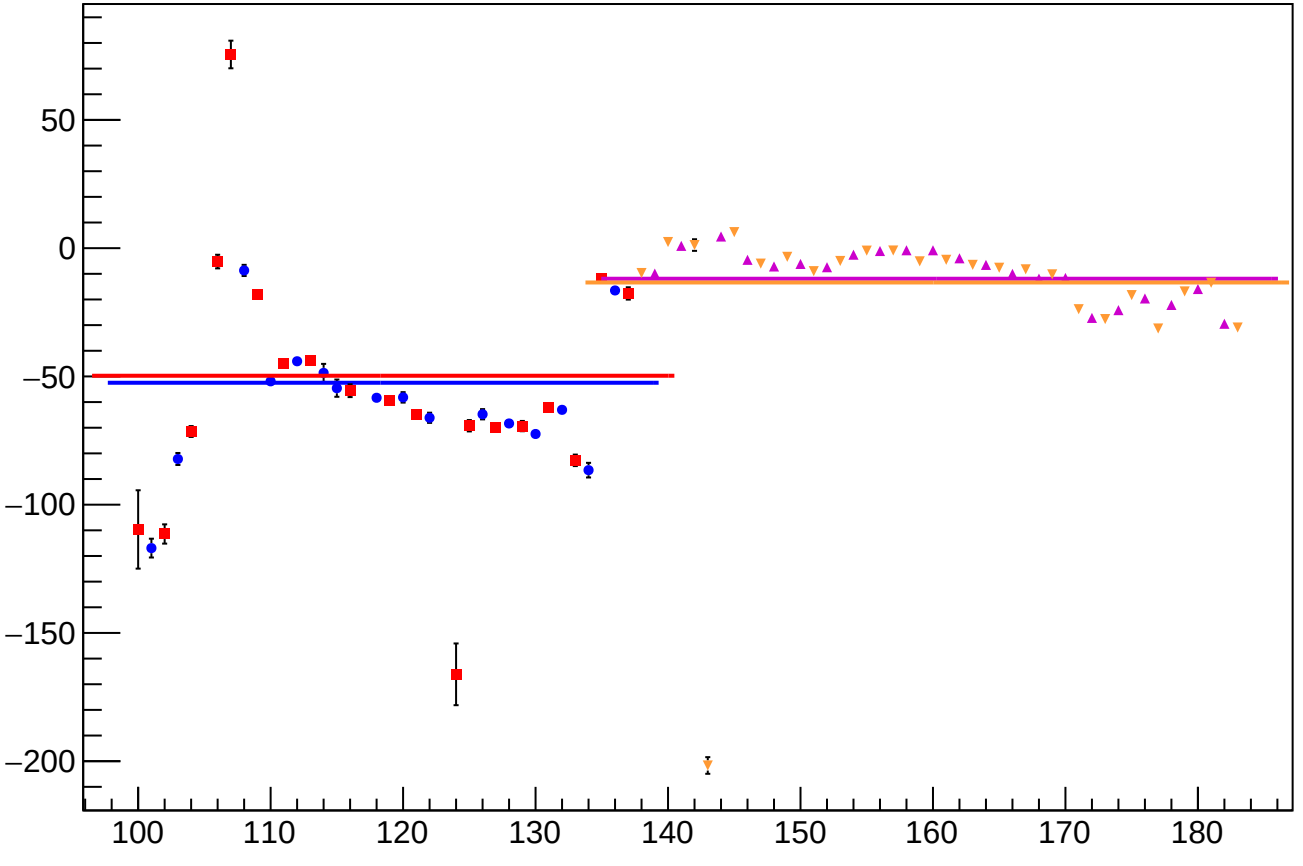
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 2.076+/-0.191 χ^2/NDF:491.7/37

Out: 1.830+/-0.188 χ^2/NDF:521.4/42

All: 1.951+/-0.134 χ^2/NDF: 1014.0/80

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -13.375+/-0.267 χ^2/NDF:4832.3/23

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -11.919+/-0.272 χ^2/NDF:1230.2/21

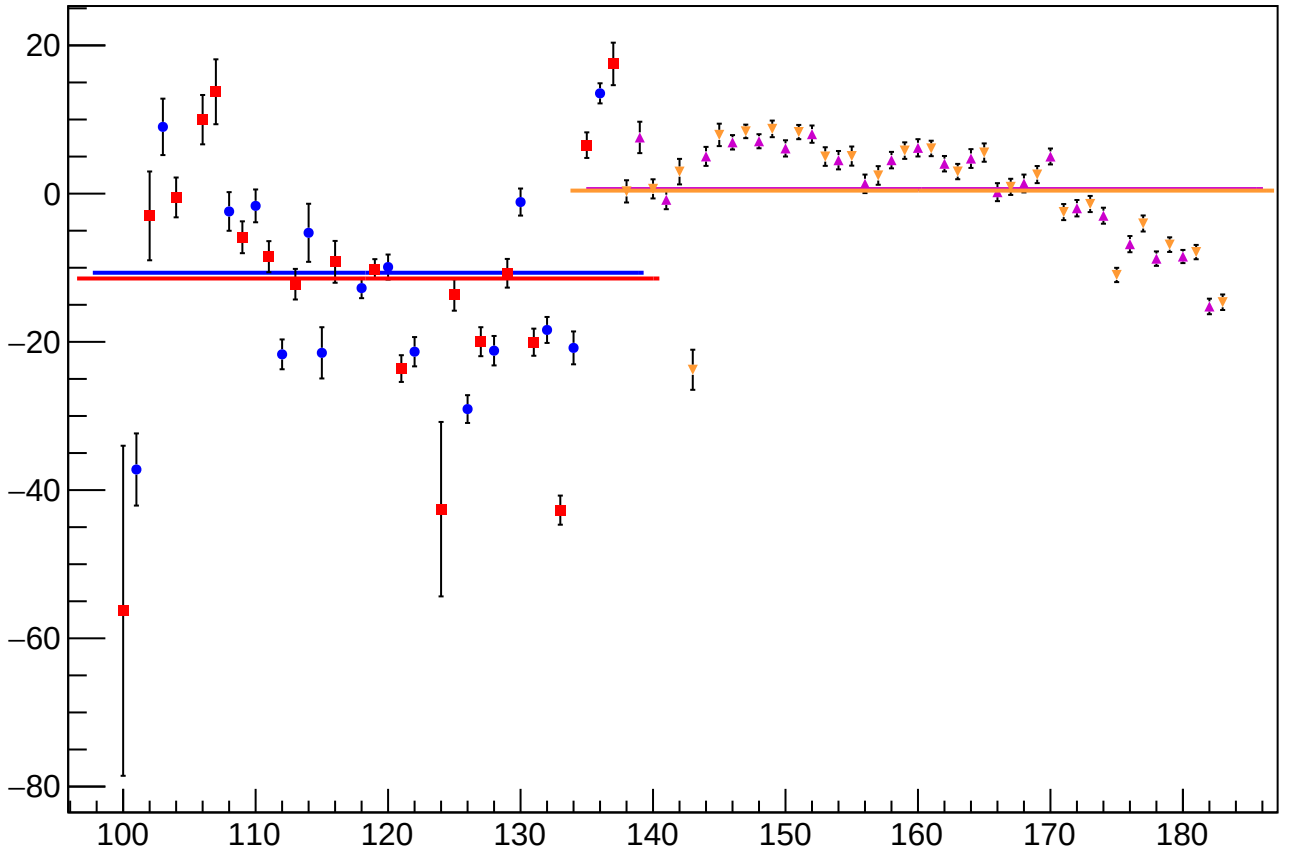
Left: -12.661+/-0.190 χ^2/NDF: 6077.2/45

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.523+/-0.237 χ^2/NDF:8833.8/37

Out: -21.571+/-0.235 χ^2/NDF:12037.2/42

All: -21.548+/-0.167 χ^2/NDF: 20871.1/80



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.408+/-0.233 χ^2/NDF:916.3/23

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: 0.509+/-0.167 χ^2/NDF: 1666.6/45

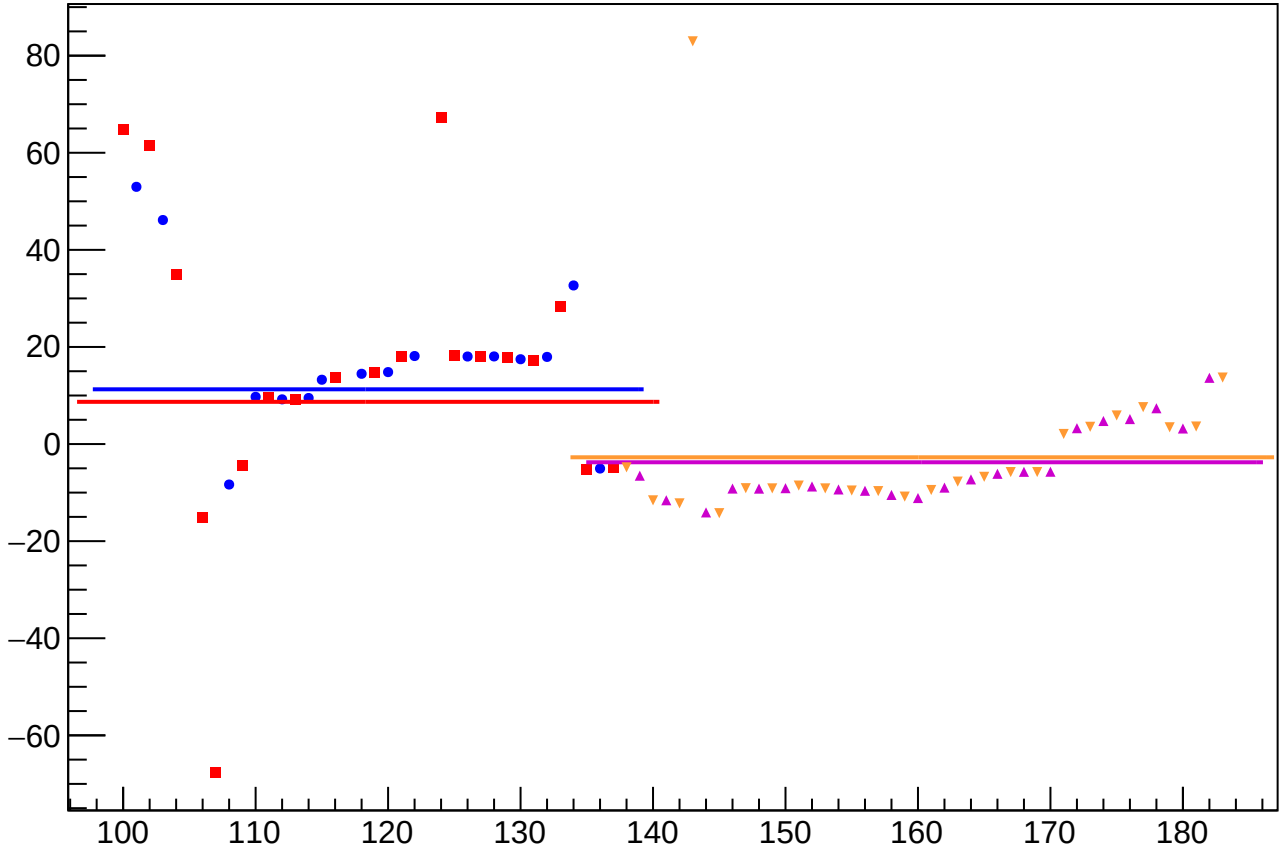
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -1.446+/-0.216 χ^2/NDF:1824.1/37

Out: -1.598+/-0.212 χ^2/NDF:2020.8/42

All: -1.523+/-0.151 χ^2/NDF: 3845.1/80

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -2.726+/-0.010 χ^2/NDF:923022.1/23

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -3.751+/-0.011 χ^2/NDF:493855.1/21

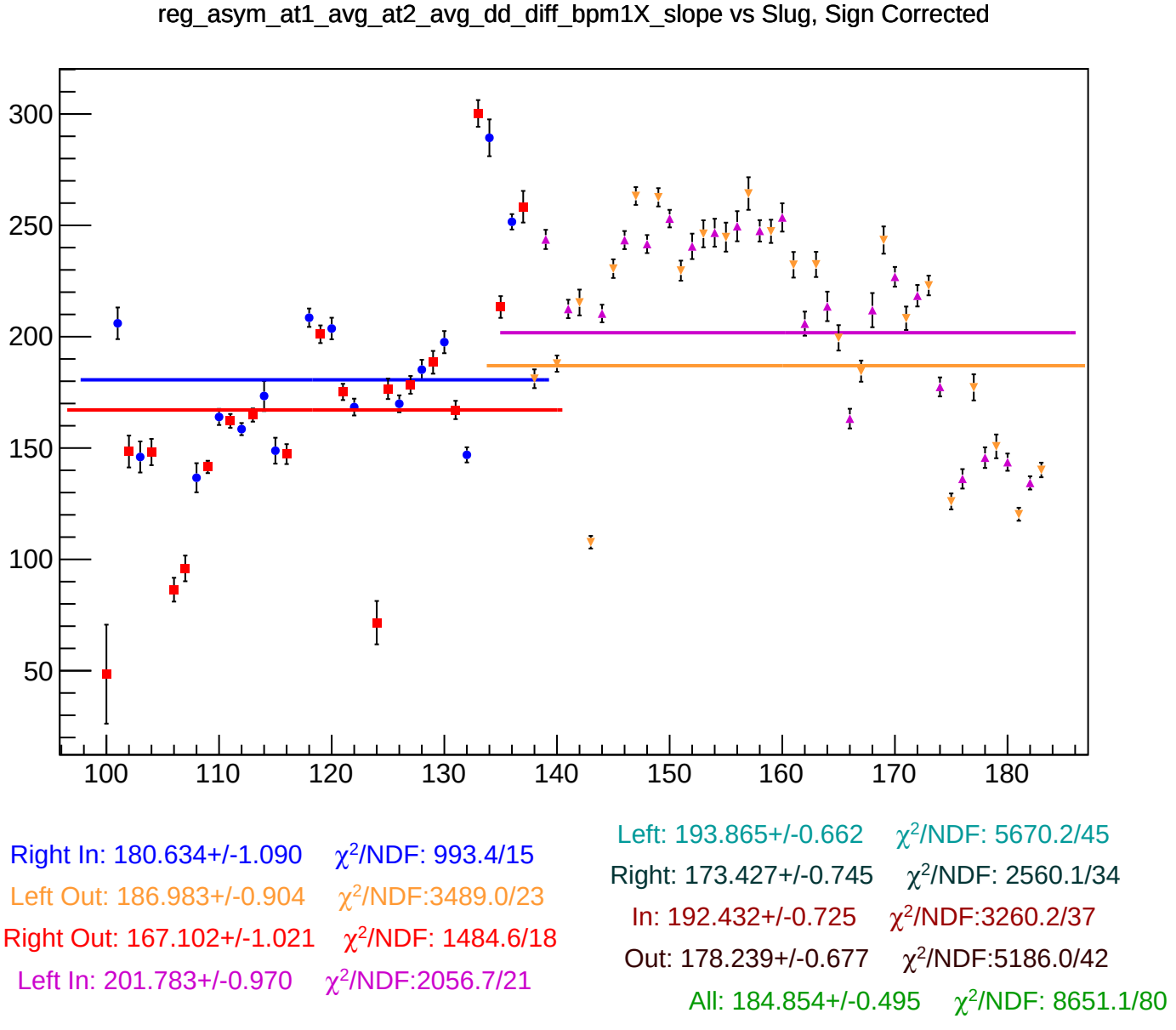
Left: -3.234+/-0.007 χ^2/NDF: 1421655.3/45

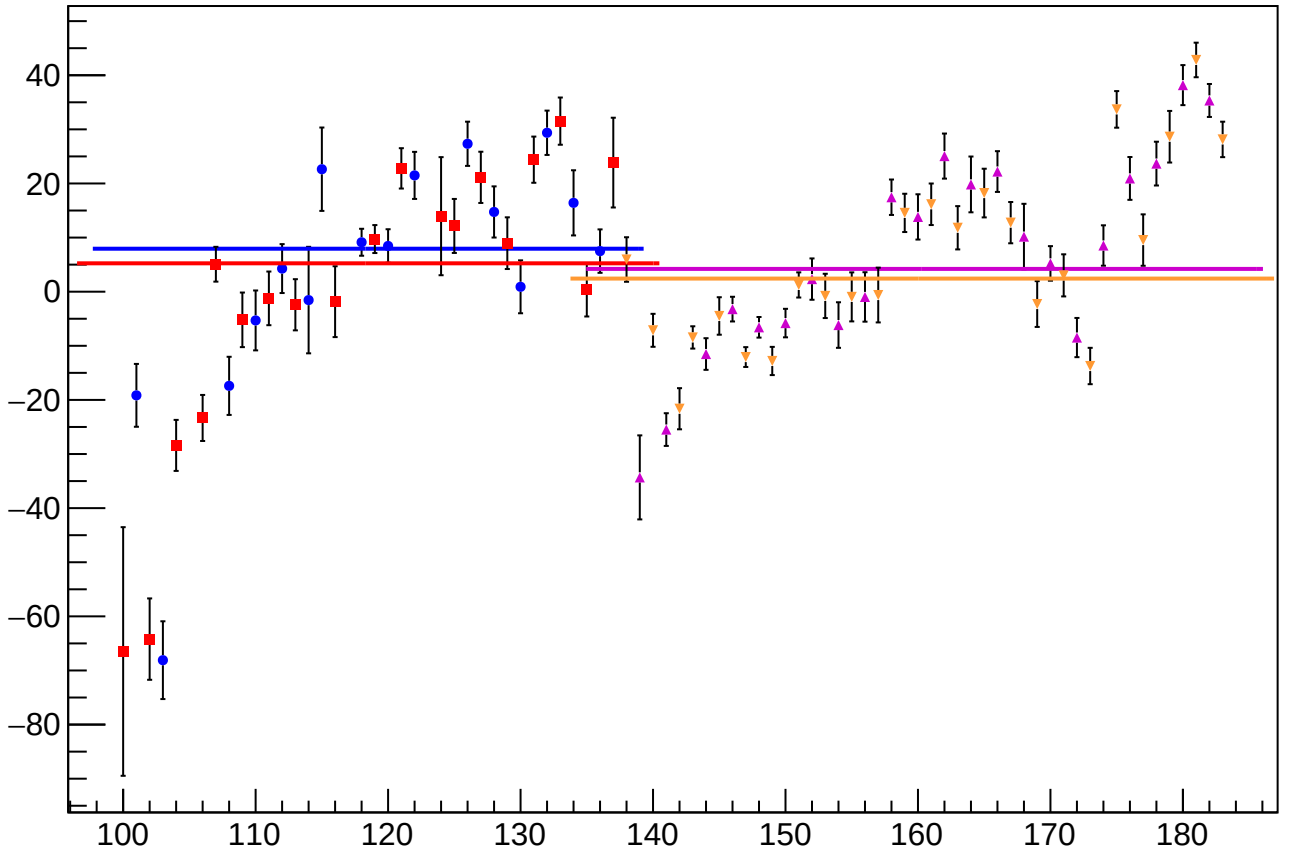
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -2.092+/-0.010 χ^2/NDF:1067607.1/37

Out: -1.589+/-0.010 χ^2/NDF:1478202.4/42

All: -1.840+/-0.007 χ^2/NDF: 2547096.3/80


reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
100
110
120
130
140
150
160
170
180
Right In: 180.634+/-1.090 χ²/NDF: 993.4/15
Left Out: 186.983+/-0.904 χ²/NDF:3489.0/23
Right Out: 167.102+/-1.021 χ²/NDF: 1484.6/18
Left In: 201.783+/-0.970 χ²/NDF:2056.7/21
Left: 193.865+/-0.662 χ²/NDF: 5670.2/45
Right: 173.427+/-0.745 χ²/NDF: 2560.1/34
In: 192.432+/-0.725 χ²/NDF:3260.2/37
Out: 178.239+/-0.677 χ²/NDF:5186.0/42
All: 184.854+/-0.495 χ²/NDF: 8651.1/80



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: 2.424+/-0.668 χ^2/NDF:594.6/23

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 4.210+/-0.721 χ^2/NDF:537.9/21

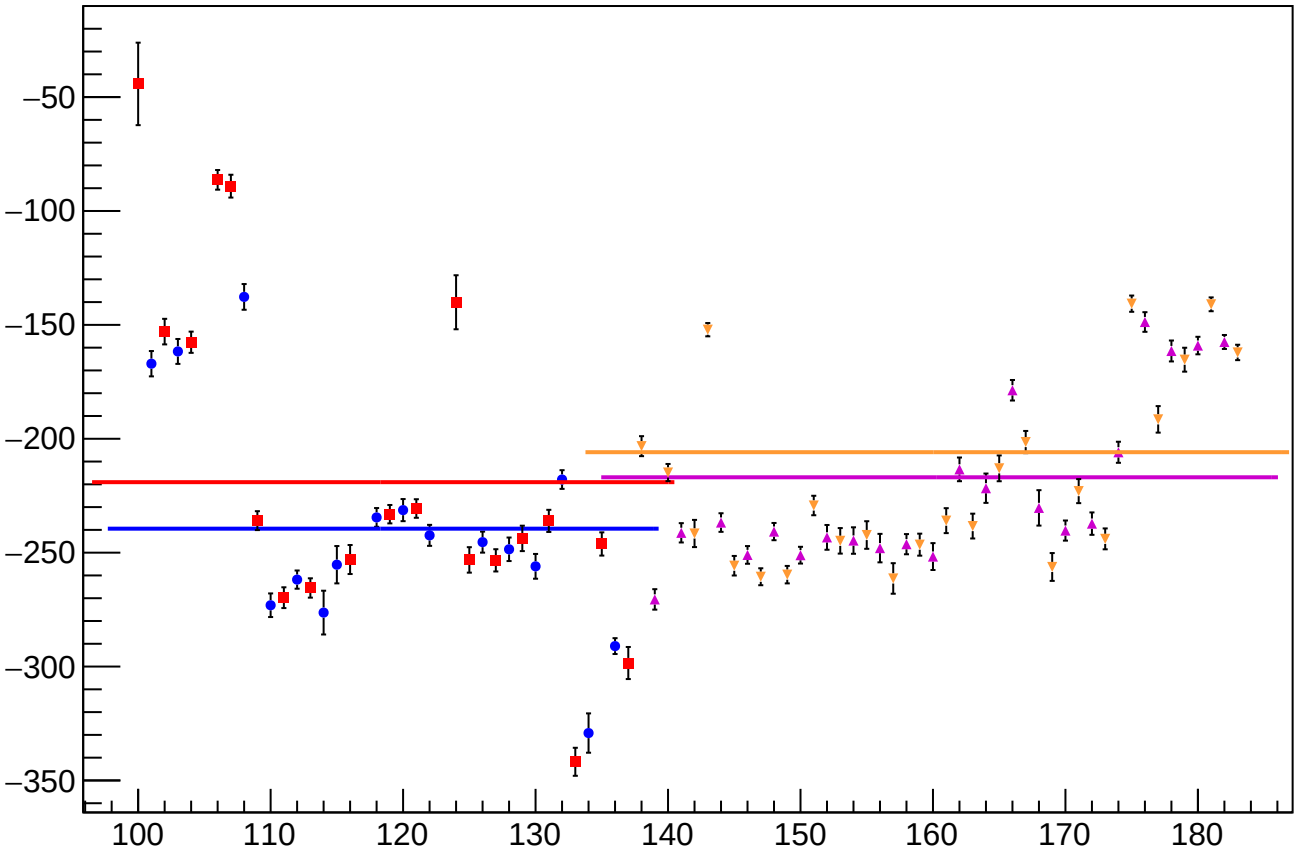
Left: 3.249+/-0.490 χ^2/NDF: 1135.9/45

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 5.313+/-0.605 χ^2/NDF:778.8/37

Out: 3.224+/-0.566 χ^2/NDF:902.6/42

All: 4.198+/-0.413 χ^2/NDF: 1687.7/80



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -205.890+/-0.901 χ^2/NDF:2421.3/23

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -216.907+/-0.960 χ^2/NDF:1676.1/21

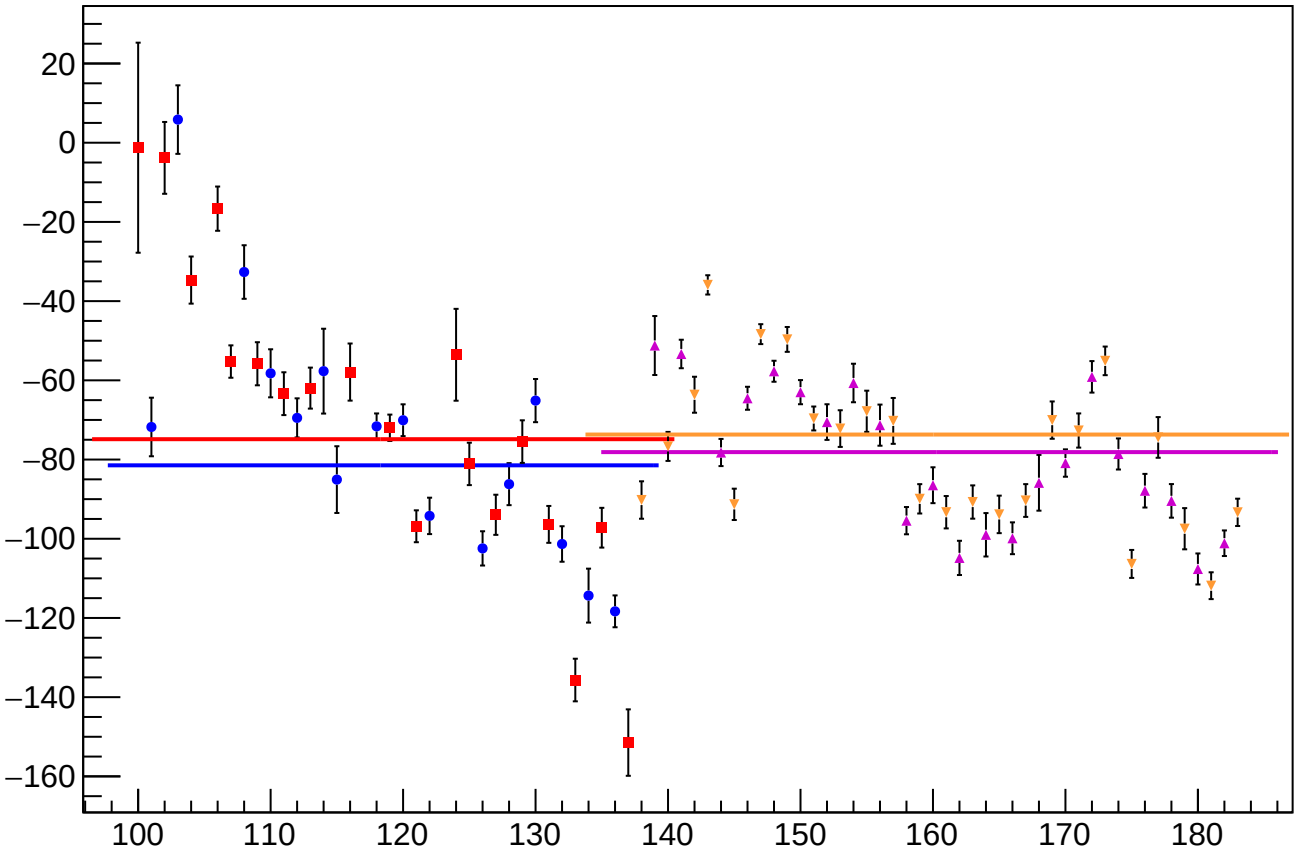
Left: -211.050+/-0.657 χ^2/NDF: 4167.4/45

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -225.315+/-0.760 χ^2/NDF:3044.2/37

Out: -210.758+/-0.715 χ^2/NDF:5549.5/42

All: -217.593+/-0.521 χ^2/NDF: 8788.2/80



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -73.689+/-0.772 χ^2/NDF:828.0/23

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: -75.755+/-0.564 χ^2/NDF: 1283.8/45

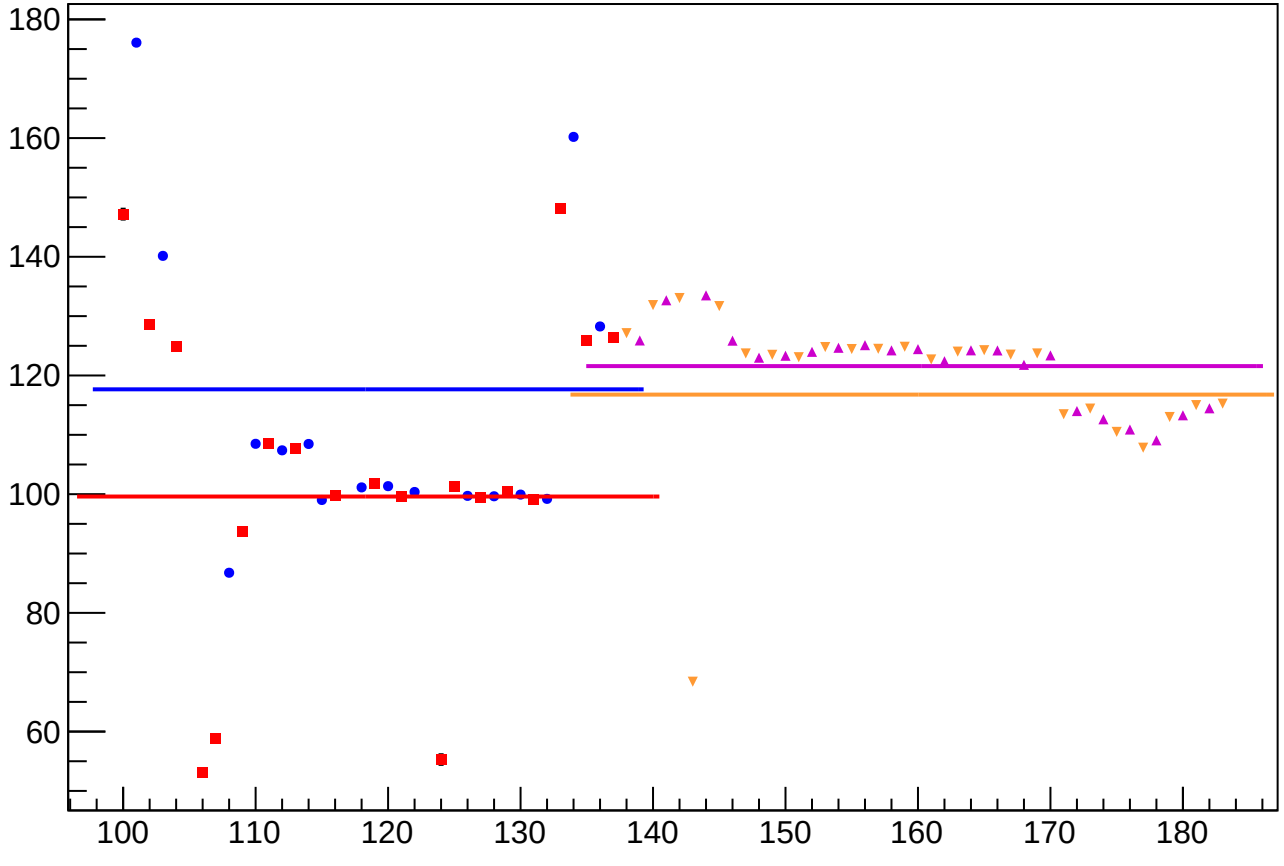
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -79.098+/-0.695 χ^2/NDF:811.7/37

Out: -74.020+/-0.654 χ^2/NDF:1405.3/42

All: -76.403+/-0.476 χ^2/NDF: 2245.3/80

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.778+/-0.036 χ^2/NDF:203594.7/23

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: 119.077+/-0.026 χ^2/NDF: 240385.0/45

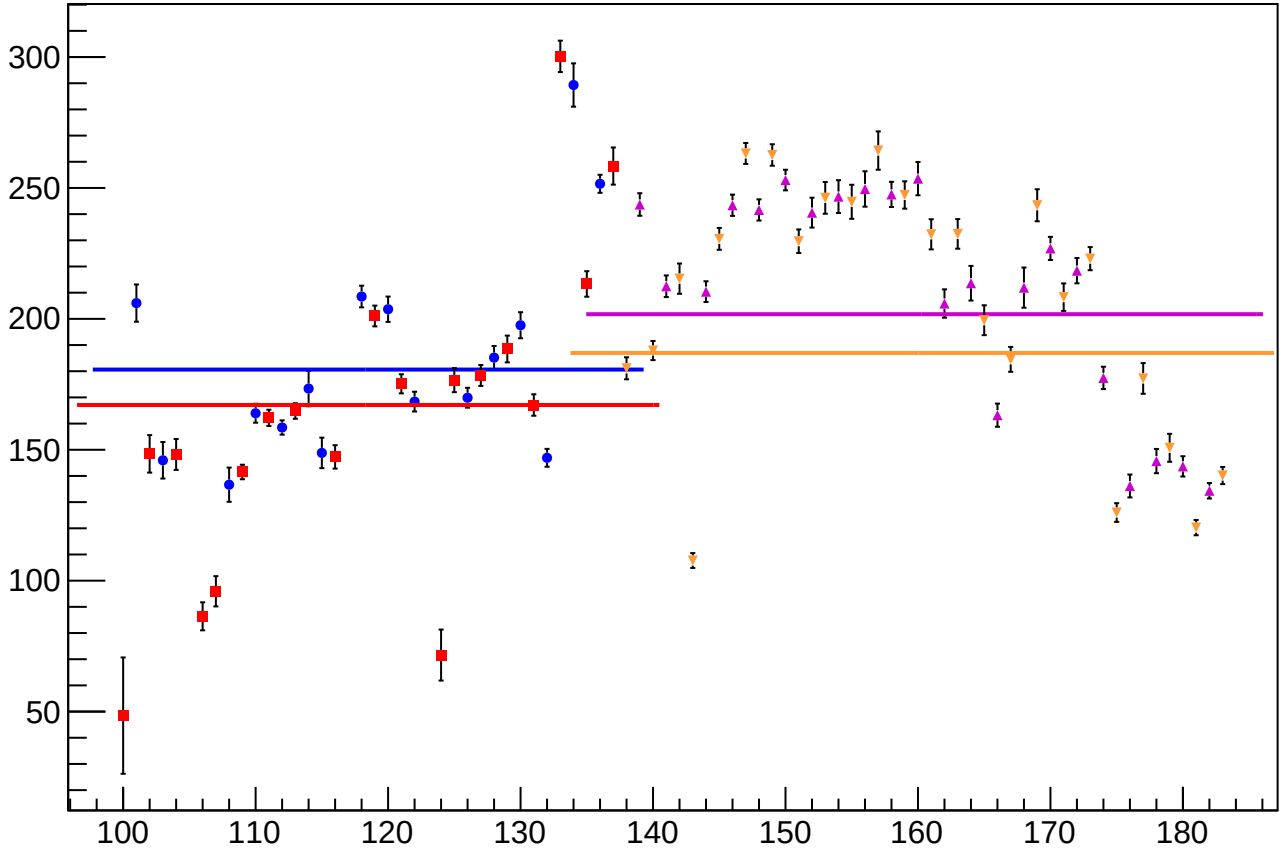
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 120.842+/-0.034 χ^2/NDF:125775.4/37

Out: 113.184+/-0.032 χ^2/NDF:417016.6/42

All: 116.801+/-0.023 χ^2/NDF: 569573.7/80

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: 186.983+/-0.904 χ^2/NDF:3489.0/23

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: 193.865+/-0.662 χ^2/NDF: 5670.2/45

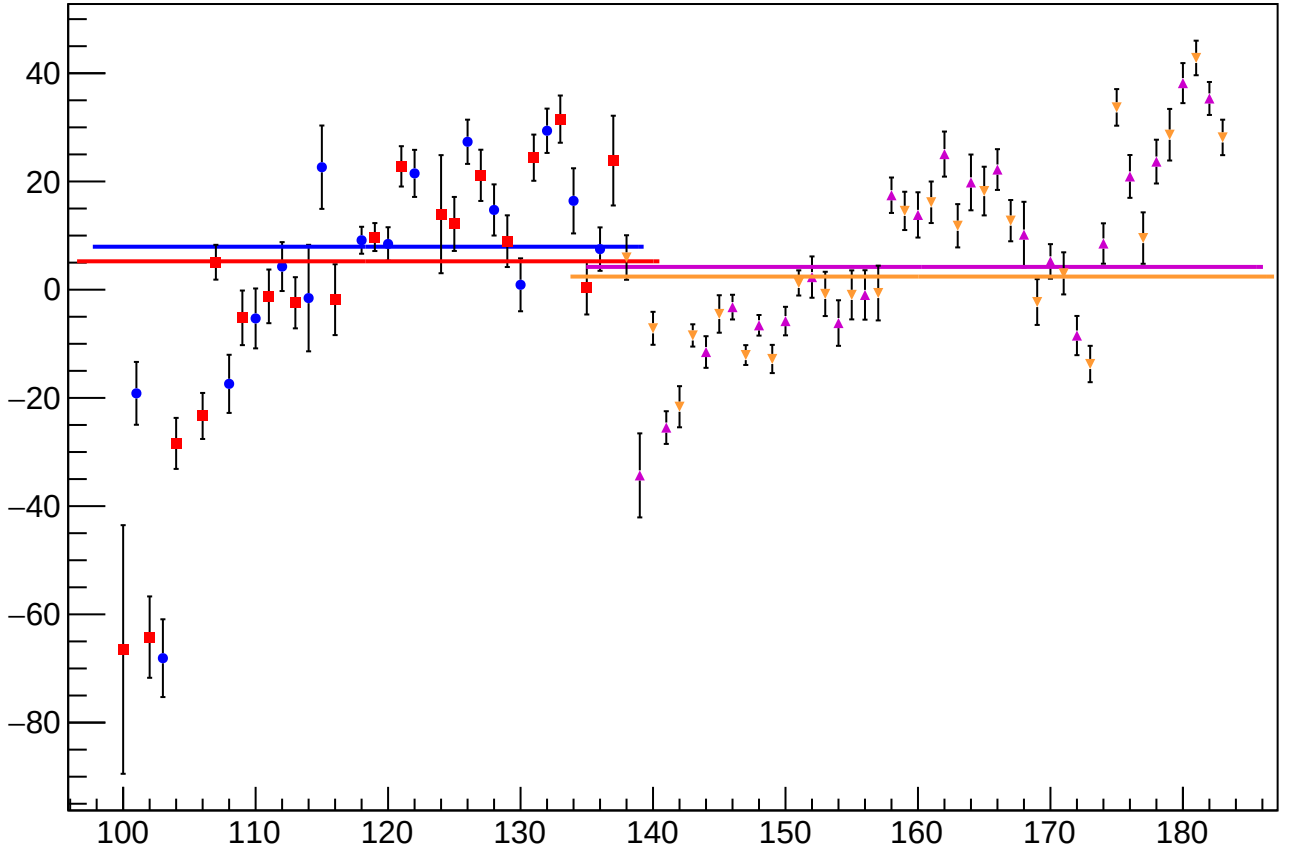
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 192.432+/-0.725 χ^2/NDF:3260.2/37

Out: 178.239+/-0.677 χ^2/NDF:5186.0/42

All: 184.854+/-0.495 χ^2/NDF: 8651.1/80

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: 2.424+/-0.668 χ^2/NDF:594.6/23

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 4.210+/-0.721 χ^2/NDF:537.9/21

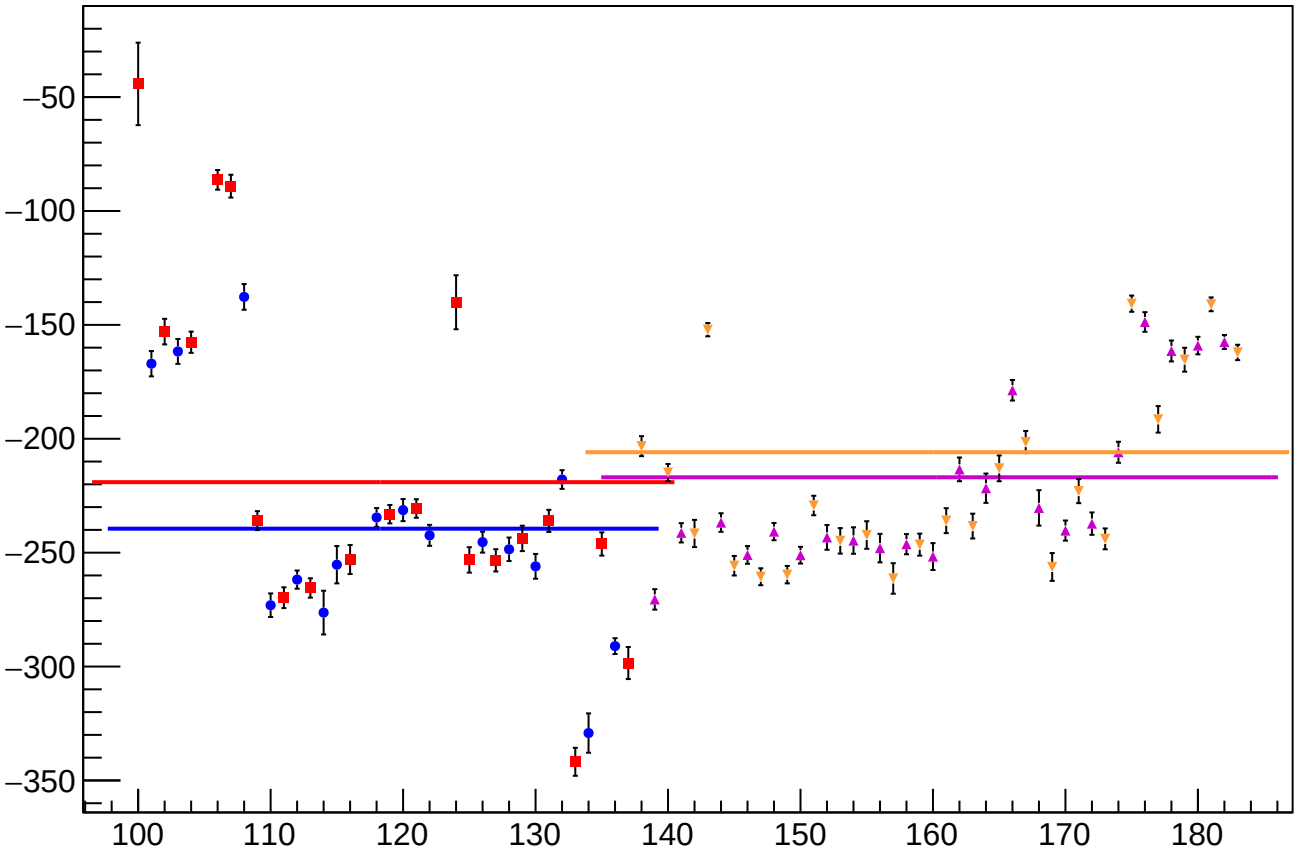
Left: 3.249+/-0.490 χ^2/NDF: 1135.9/45

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 5.313+/-0.605 χ^2/NDF:778.8/37

Out: 3.224+/-0.566 χ^2/NDF:902.6/42

All: 4.198+/-0.413 χ^2/NDF: 1687.7/80



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -205.890+/-0.901 χ^2/NDF:2421.3/23

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: -211.050+/-0.657 χ^2/NDF: 4167.4/45

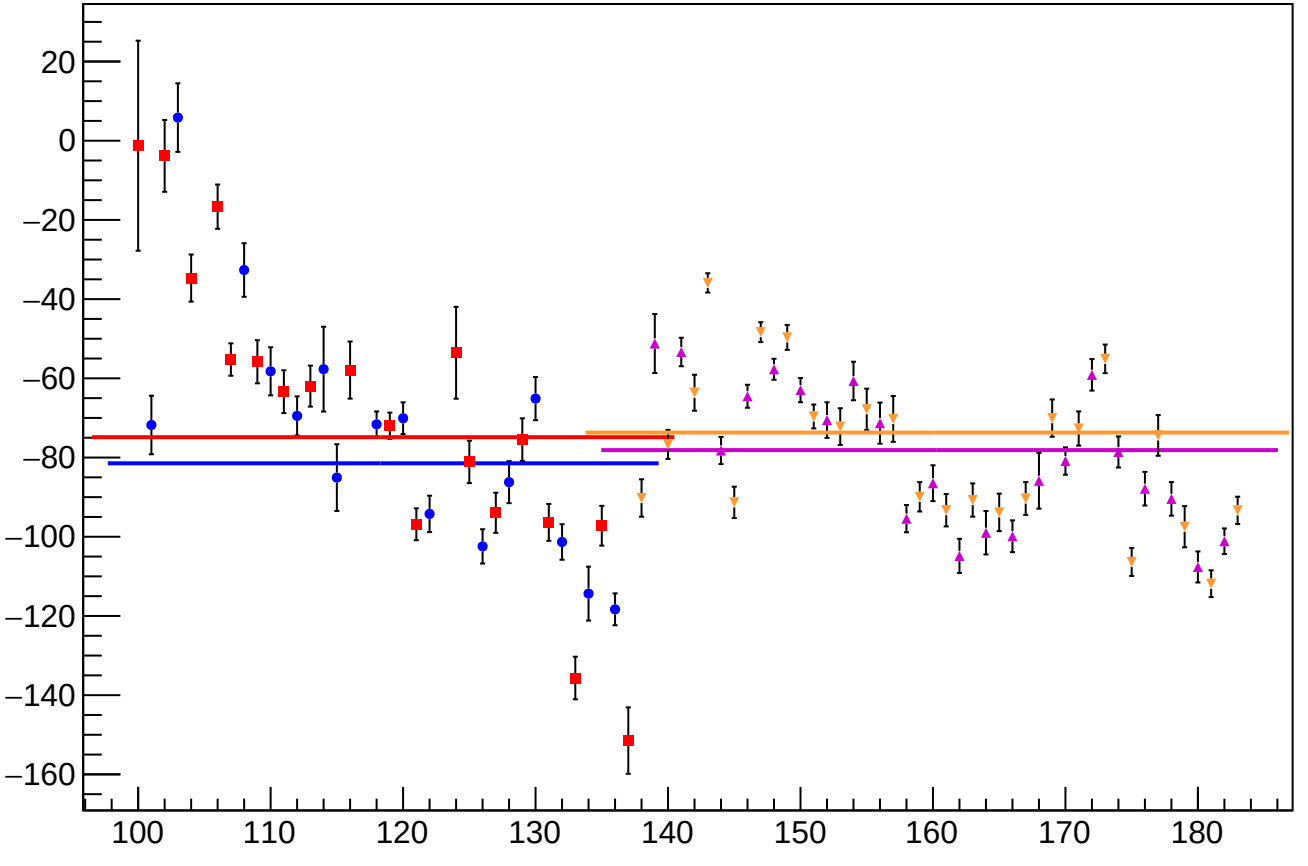
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -225.315+/-0.760 χ^2/NDF:3044.2/37

Out: -210.758+/-0.715 χ^2/NDF:5549.5/42

All: -217.593+/-0.521 χ^2/NDF: 8788.2/80

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: -73.689+/-0.772 χ^2/NDF:828.0/23

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: -75.755+/-0.564 χ^2/NDF: 1283.8/45

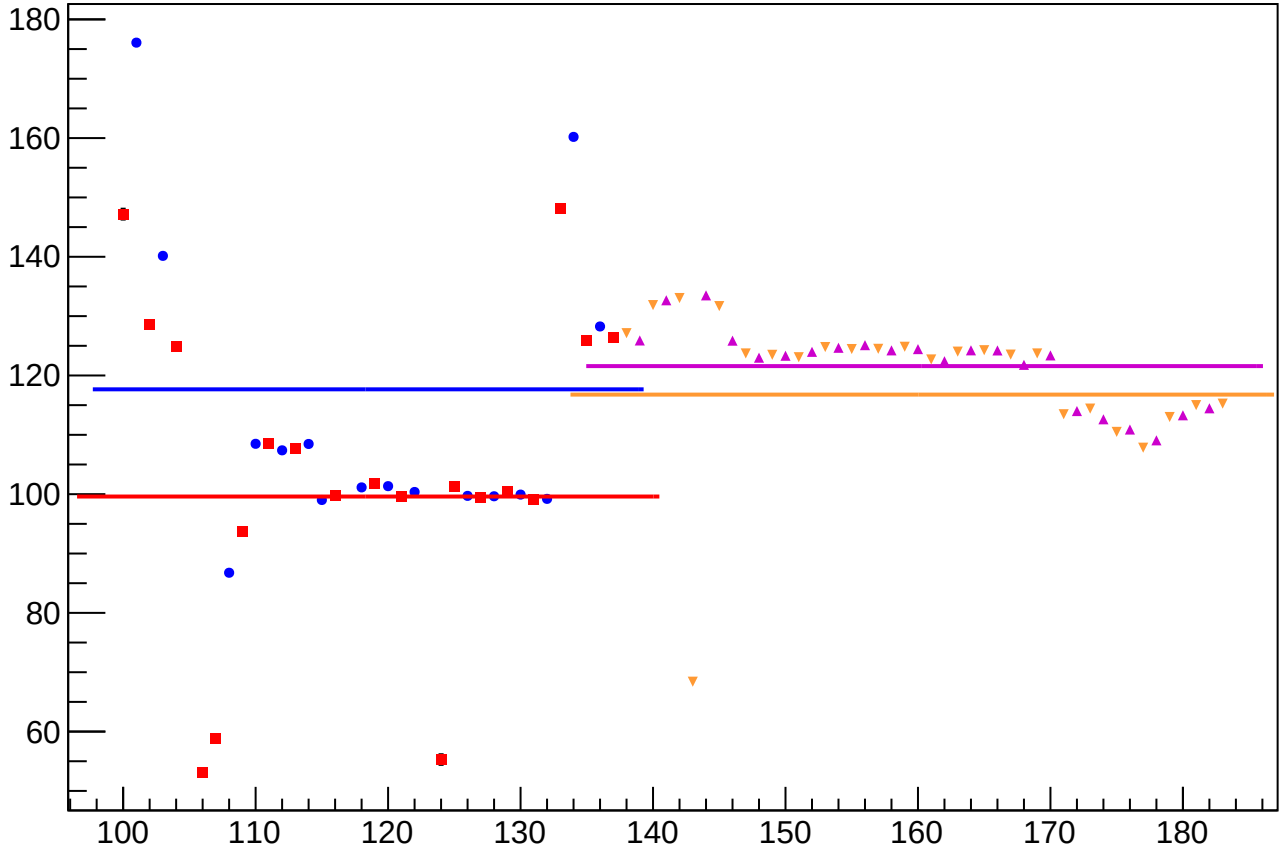
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -79.098+/-0.695 χ^2/NDF:811.7/37

Out: -74.020+/-0.654 χ^2/NDF:1405.3/42

All: -76.403+/-0.476 χ^2/NDF: 2245.3/80

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: 116.778+/-0.036 χ^2/NDF:203594.7/23

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: 119.077+/-0.026 χ^2/NDF: 240385.0/45

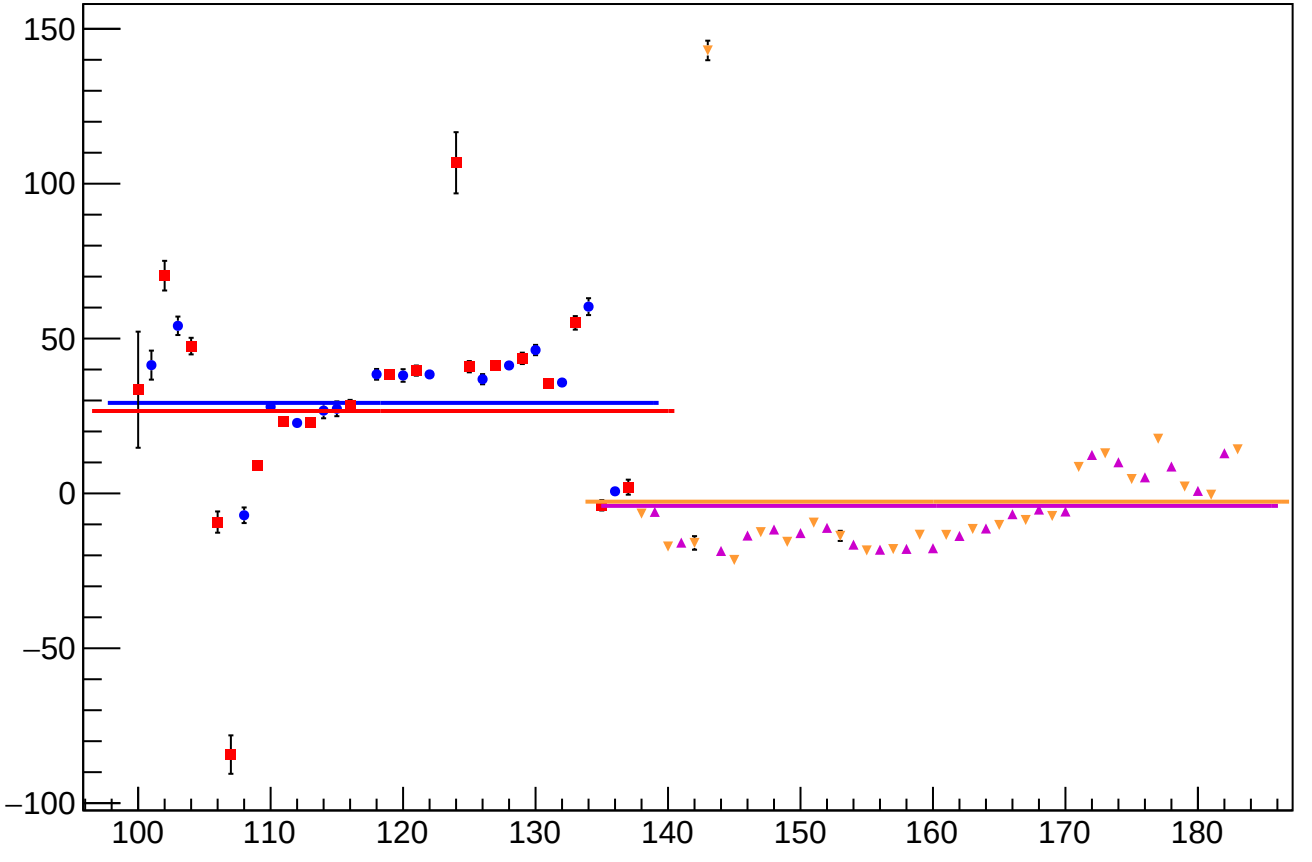
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 120.842+/-0.034 χ^2/NDF:125775.4/37

Out: 113.184+/-0.032 χ^2/NDF:417016.6/42

All: 116.801+/-0.023 χ^2/NDF: 569573.7/80

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -2.663+/-0.269 χ^2/NDF:3894.0/23

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: -3.326+/-0.192 χ^2/NDF: 5445.3/45

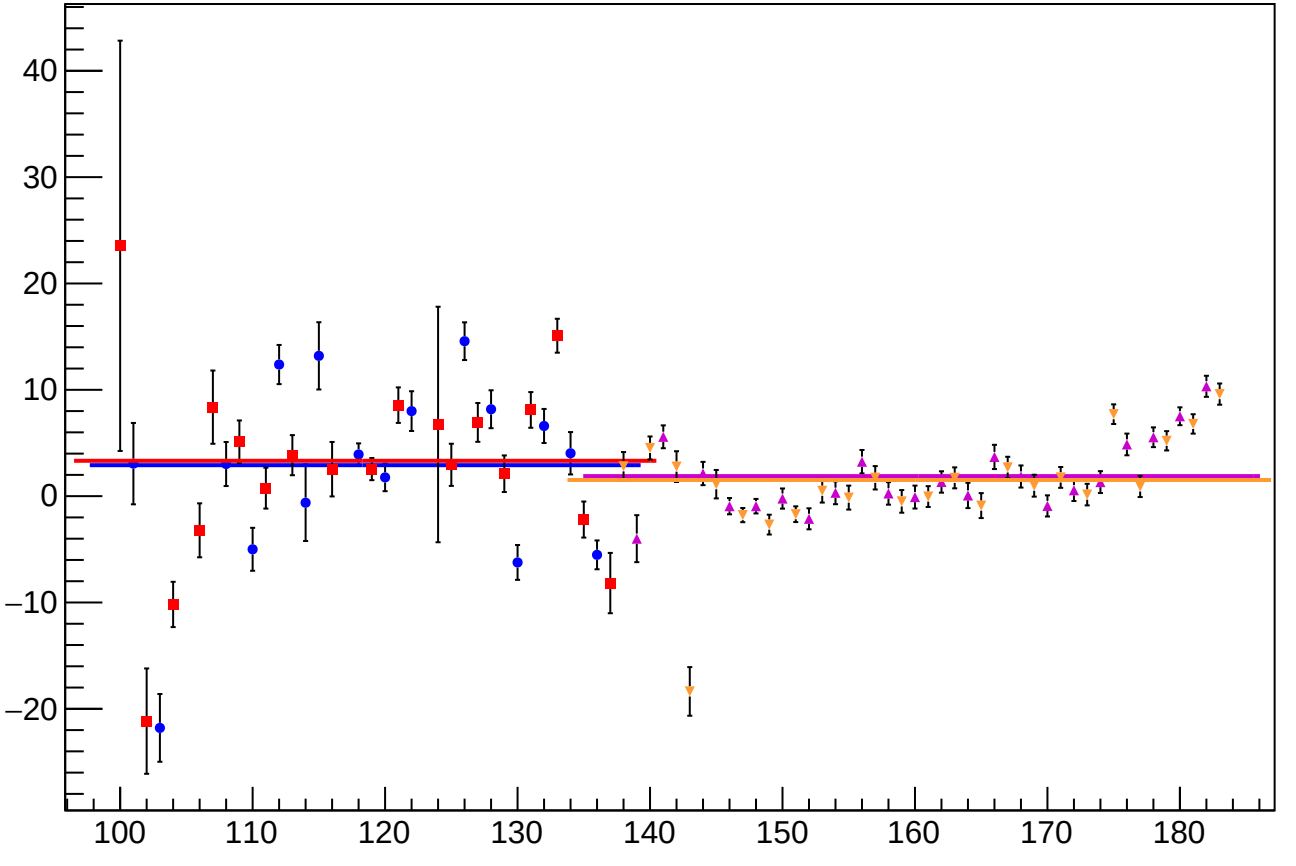
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.800+/-0.231 χ^2/NDF:7209.1/37

Out: 6.013+/-0.225 χ^2/NDF:9330.6/42

All: 5.909+/-0.161 χ^2/NDF: 16540.1/80

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.521+/-0.206 χ^2/NDF:326.5/23

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.884+/-0.212 χ^2/NDF:237.3/21

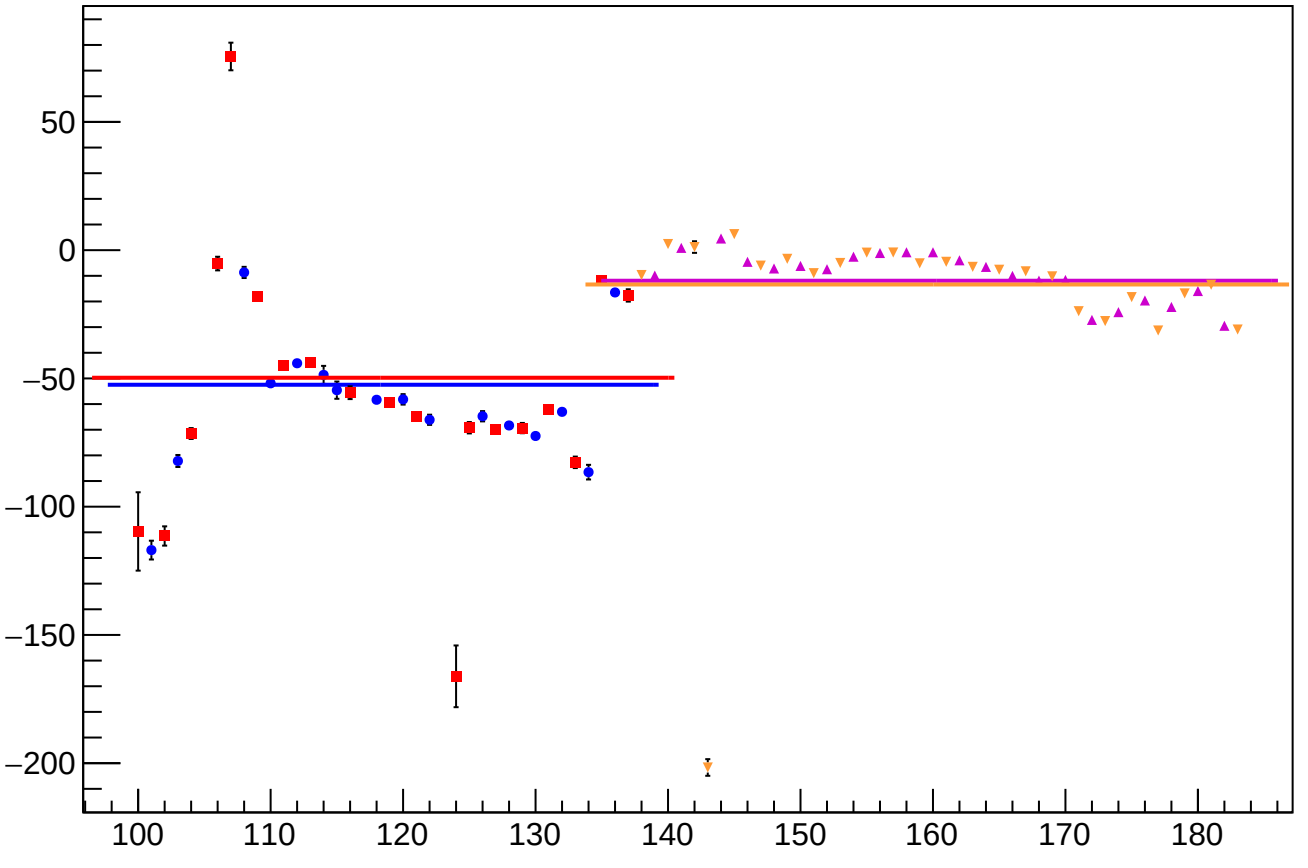
Left: 1.697+/-0.148 χ^2/NDF: 565.4/45

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 2.076+/-0.191 χ^2/NDF:491.7/37

Out: 1.830+/-0.188 χ^2/NDF:521.4/42

All: 1.951+/-0.134 χ^2/NDF: 1014.0/80



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -13.375+/-0.267 χ^2/NDF:4832.3/23

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -11.919+/-0.272 χ^2/NDF:1230.2/21

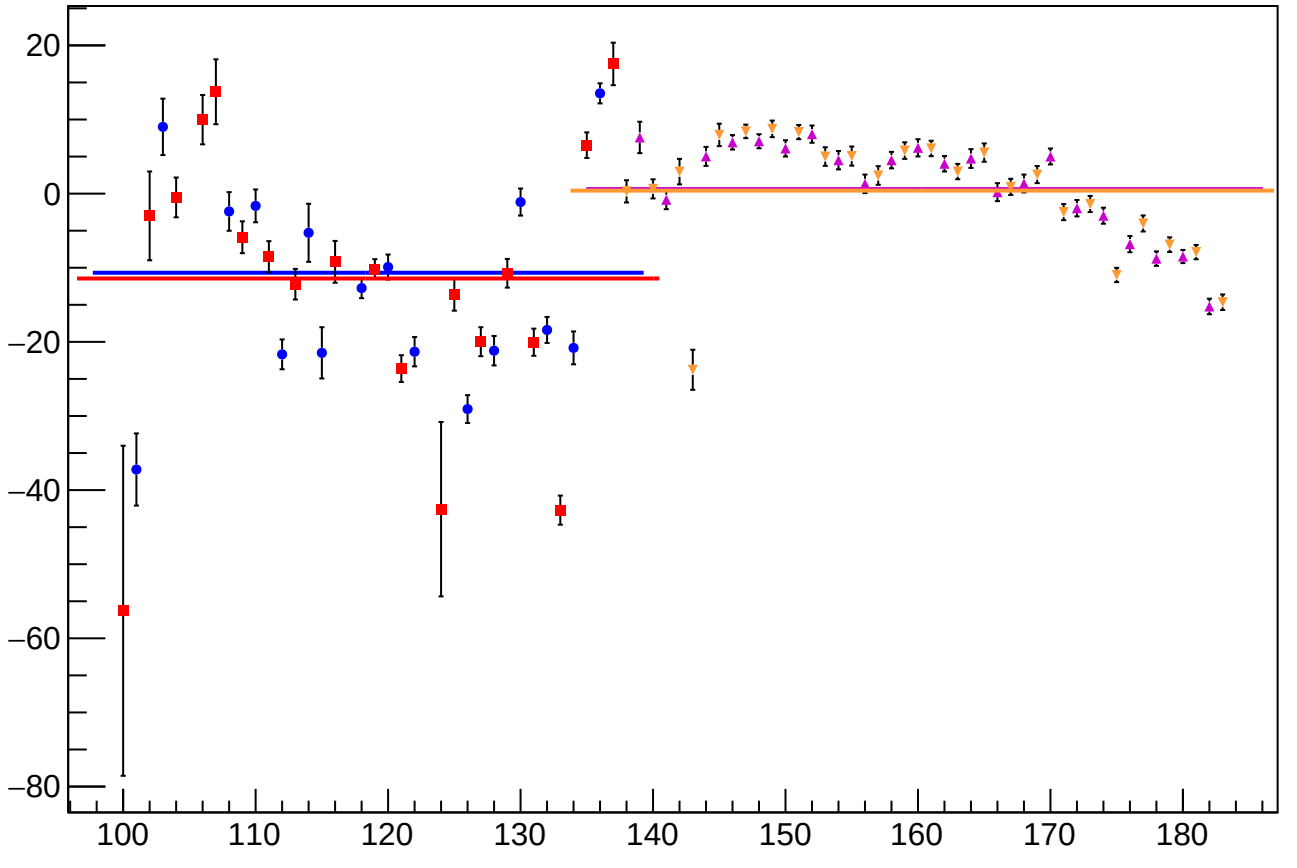
Left: -12.661+/-0.190 χ^2/NDF: 6077.2/45

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.523+/-0.237 χ^2/NDF:8833.8/37

Out: -21.571+/-0.235 χ^2/NDF:12037.2/42

All: -21.548+/-0.167 χ^2/NDF: 20871.1/80



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.408+/-0.233 χ^2/NDF:916.3/23

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: 0.509+/-0.167 χ^2/NDF: 1666.6/45

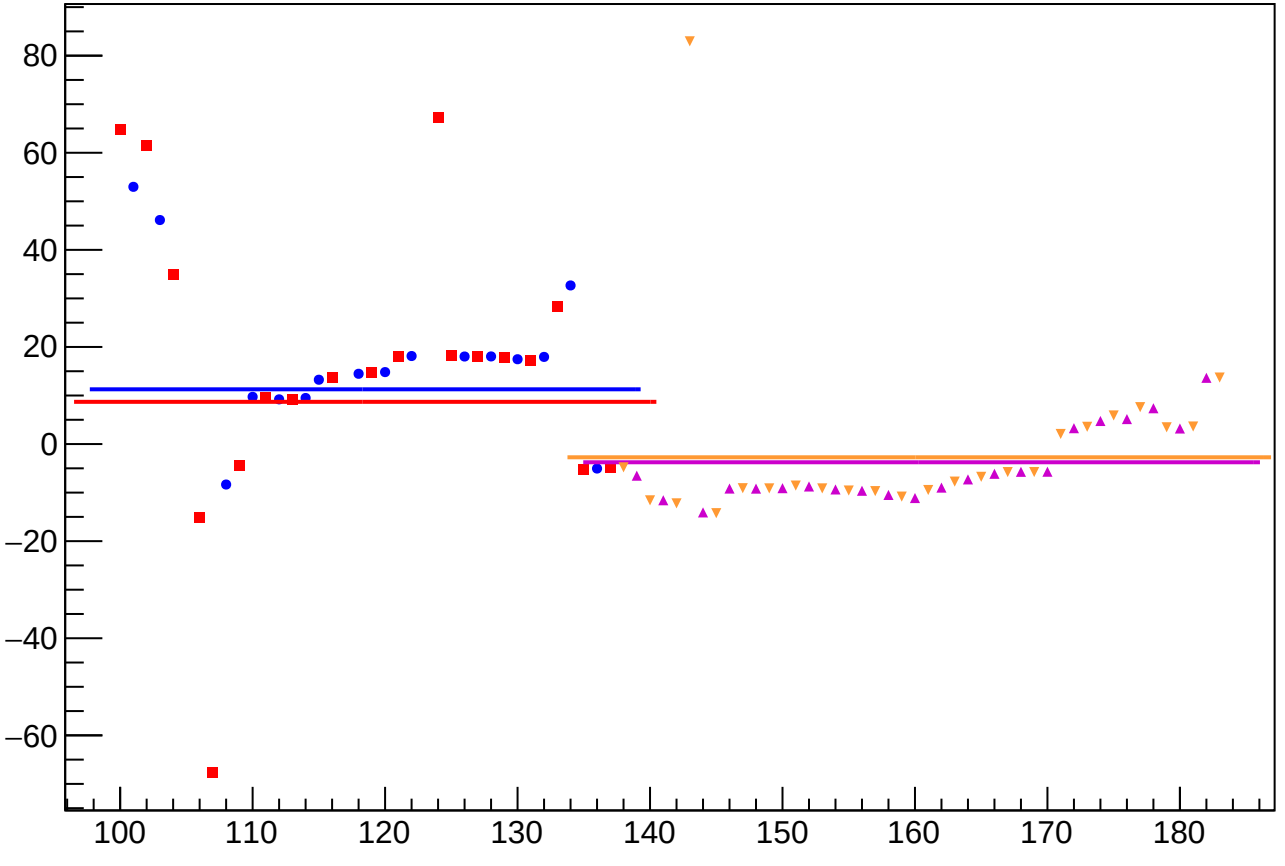
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -1.446+/-0.216 χ^2/NDF:1824.1/37

Out: -1.598+/-0.212 χ^2/NDF:2020.8/42

All: -1.523+/-0.151 χ^2/NDF: 3845.1/80

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -2.726+/-0.010 χ^2/NDF:923022.1/23

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -3.751+/-0.011 χ^2/NDF:493855.1/21

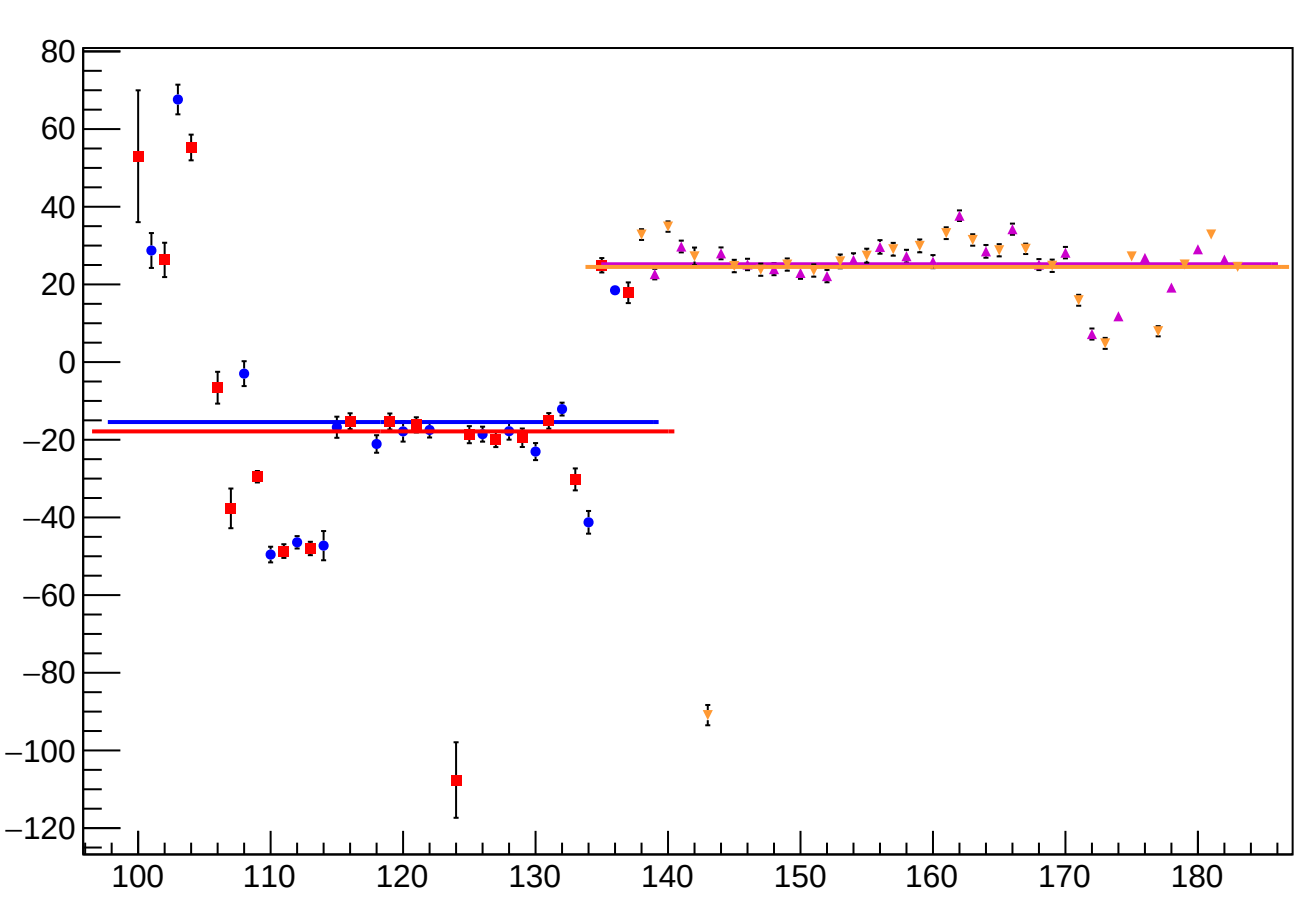
Left: -3.234+/-0.007 χ^2/NDF: 1421655.3/45

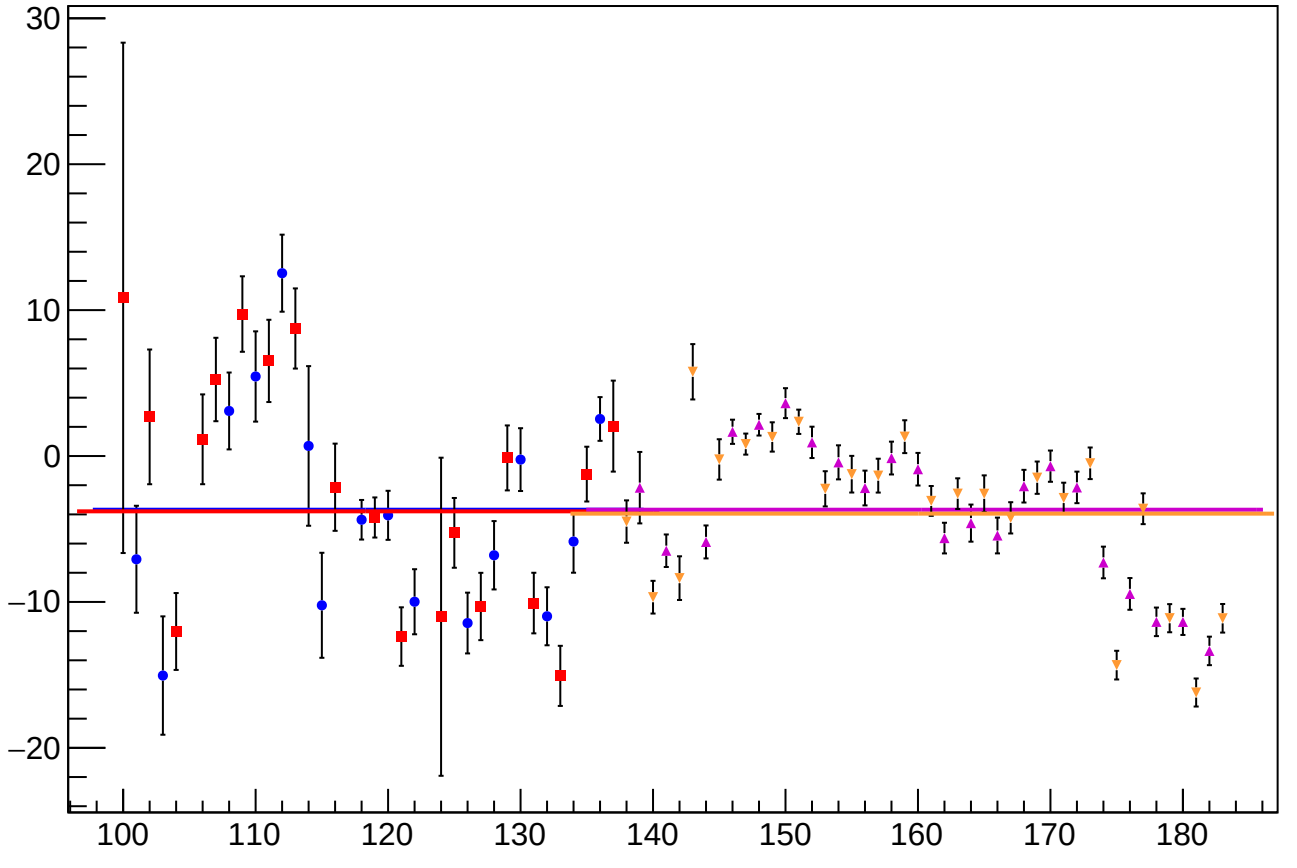
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -2.092+/-0.010 χ^2/NDF:1067607.1/37

Out: -1.589+/-0.010 χ^2/NDF:1478202.4/42

All: -1.840+/-0.007 χ^2/NDF: 2547096.3/80


reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 24.504+/-0.284 χ²/NDF:2634.5/23
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 25.190+/-0.291 χ²/NDF:491.0/21
Left: 24.838+/-0.204 χ²/NDF: 3128.4/45
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 16.005+/-0.256 χ²/NDF:7011.7/37
Out: 15.024+/-0.251 χ²/NDF:9722.7/42
All: 15.503+/-0.179 χ²/NDF: 16741.9/80



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -3.949+/-0.219 χ^2/NDF:633.2/23

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: -3.818+/-0.157 χ^2/NDF: 1133.2/45

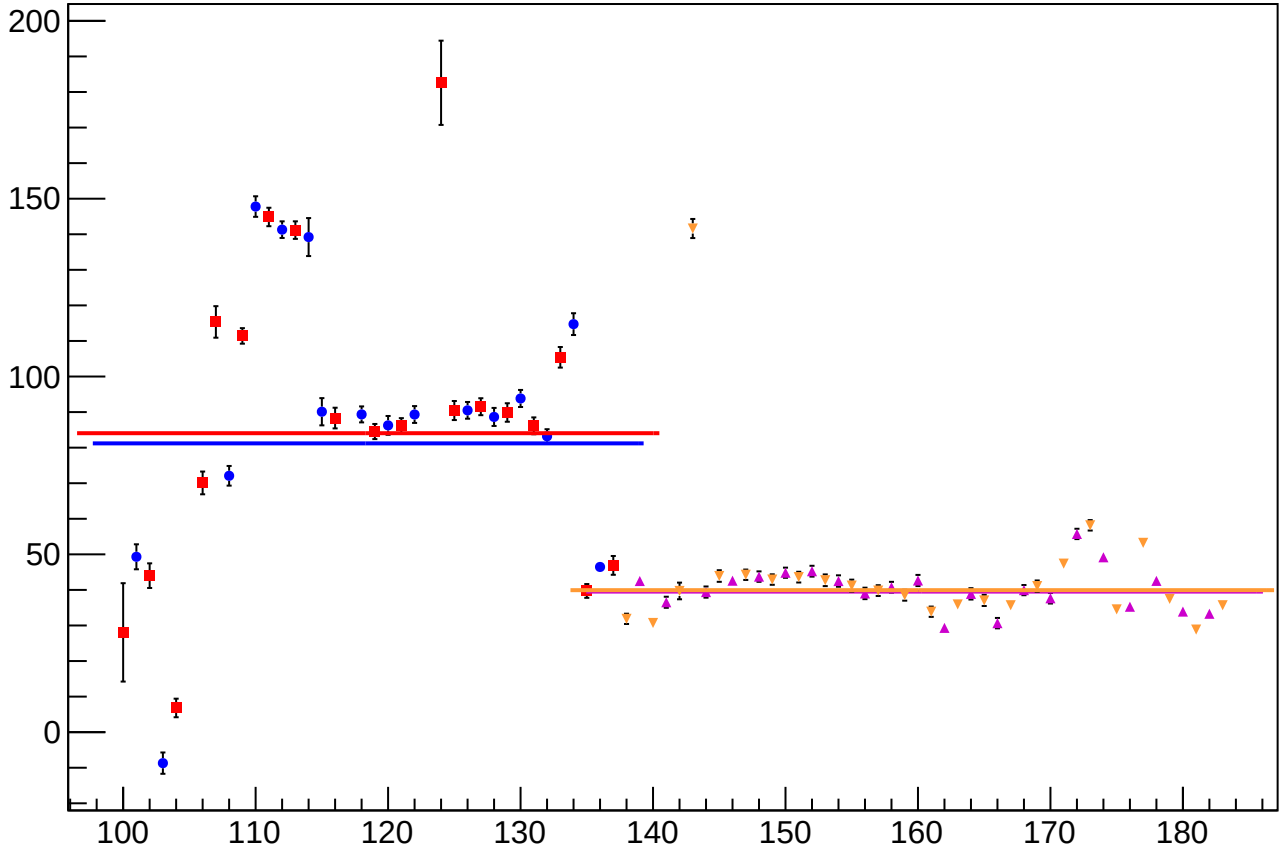
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.680+/-0.209 χ^2/NDF:623.3/37

Out: -3.928+/-0.204 χ^2/NDF:794.4/42

All: -3.807+/-0.146 χ^2/NDF: 1418.4/80

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 39.927+/-0.282 χ^2/NDF:2061.8/23

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.529+/-0.288 χ^2/NDF:431.8/21

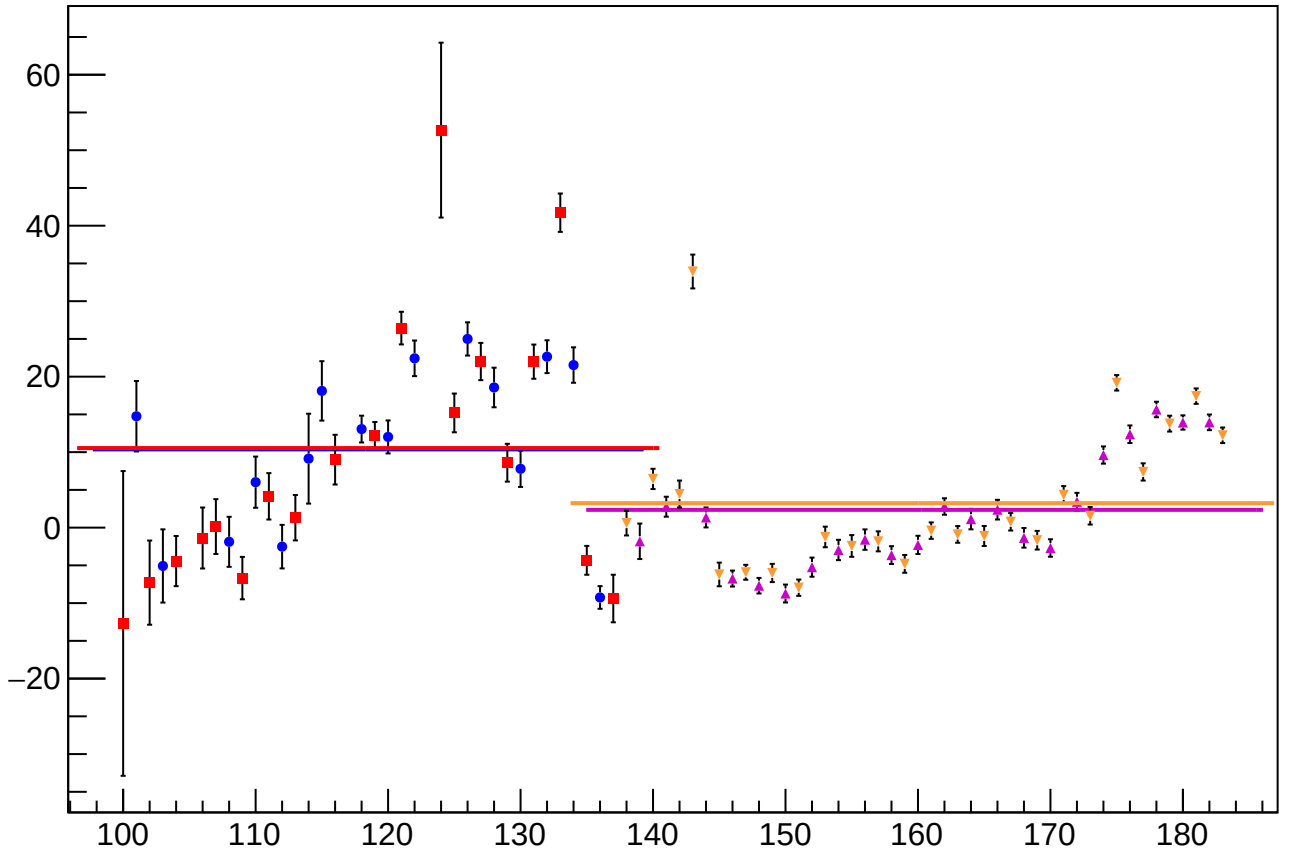
Left: 39.733+/-0.202 χ^2/NDF: 2494.5/45

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 47.207+/-0.261 χ^2/NDF:7506.7/37

Out: 47.586+/-0.257 χ^2/NDF:9507.7/42

All: 47.399+/-0.183 χ^2/NDF: 17015.6/80



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 3.242+/-0.247 χ^2/NDF:1256.4/23

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 2.355+/-0.254 χ^2/NDF:948.1/21

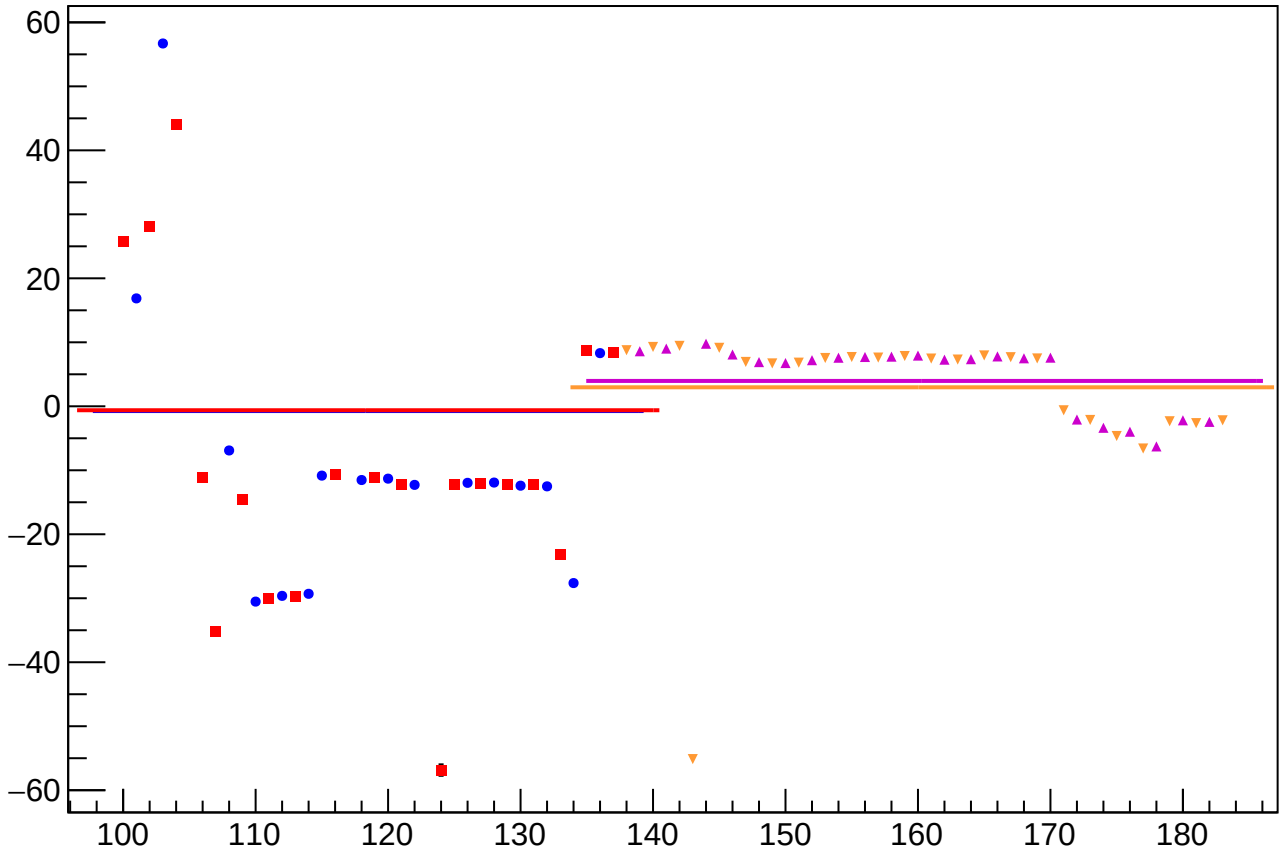
Left: 2.810+/-0.177 χ^2/NDF: 2210.7/45

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 3.484+/-0.235 χ^2/NDF:1448.4/37

Out: 4.190+/-0.231 χ^2/NDF:1840.1/42

All: 3.844+/-0.165 χ^2/NDF: 3293.1/80



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 2.967+/-0.011 χ^2/NDF:508613.2/23

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: 3.459+/-0.008 χ^2/NDF: 738929.0/45

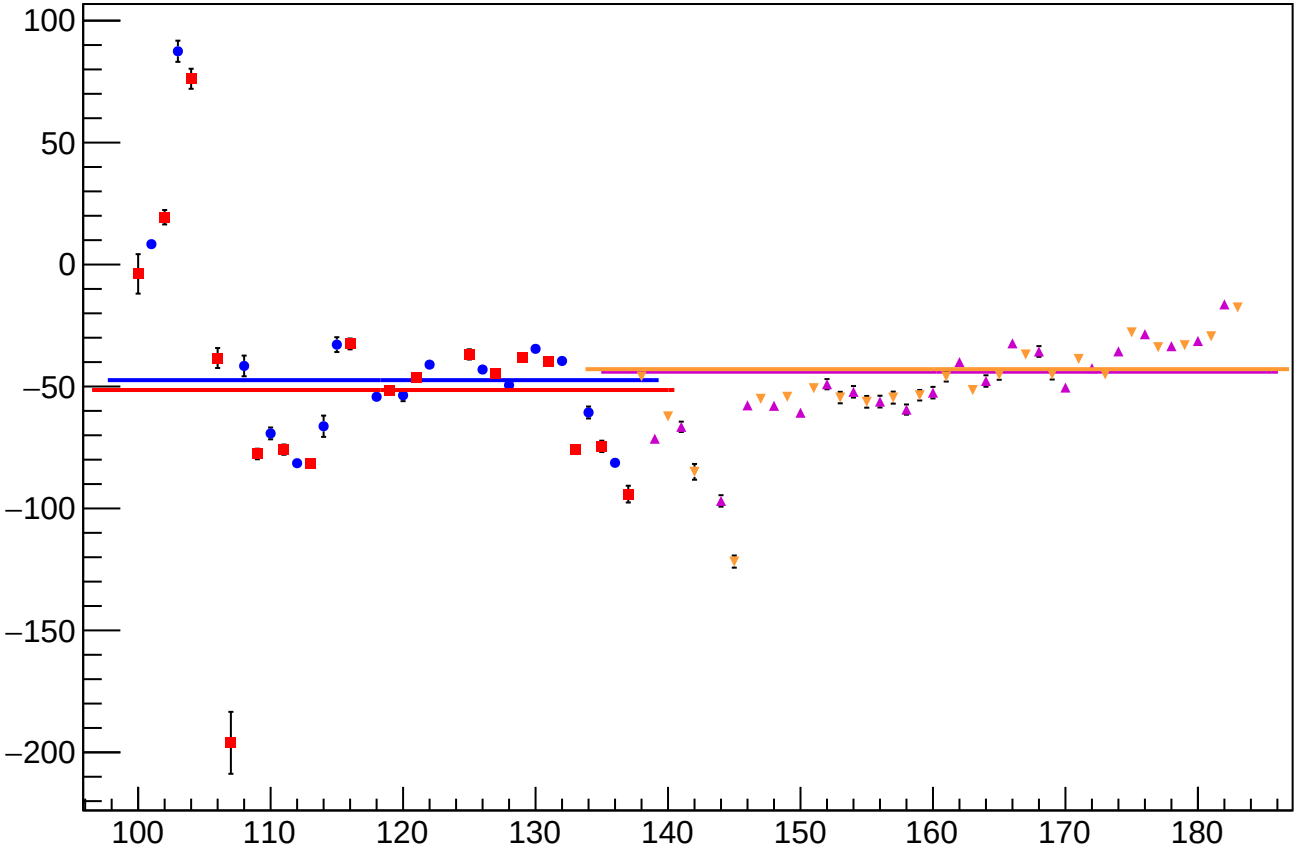
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 3.543+/-0.011 χ^2/NDF:610011.1/37

Out: 2.676+/-0.011 χ^2/NDF:833577.3/42

All: 3.107+/-0.008 χ^2/NDF: 1446891.3/80

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: -42.897+/-0.382 χ^2/NDF:2289.3/22

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -43.937+/-0.388 χ^2/NDF:2087.0/21

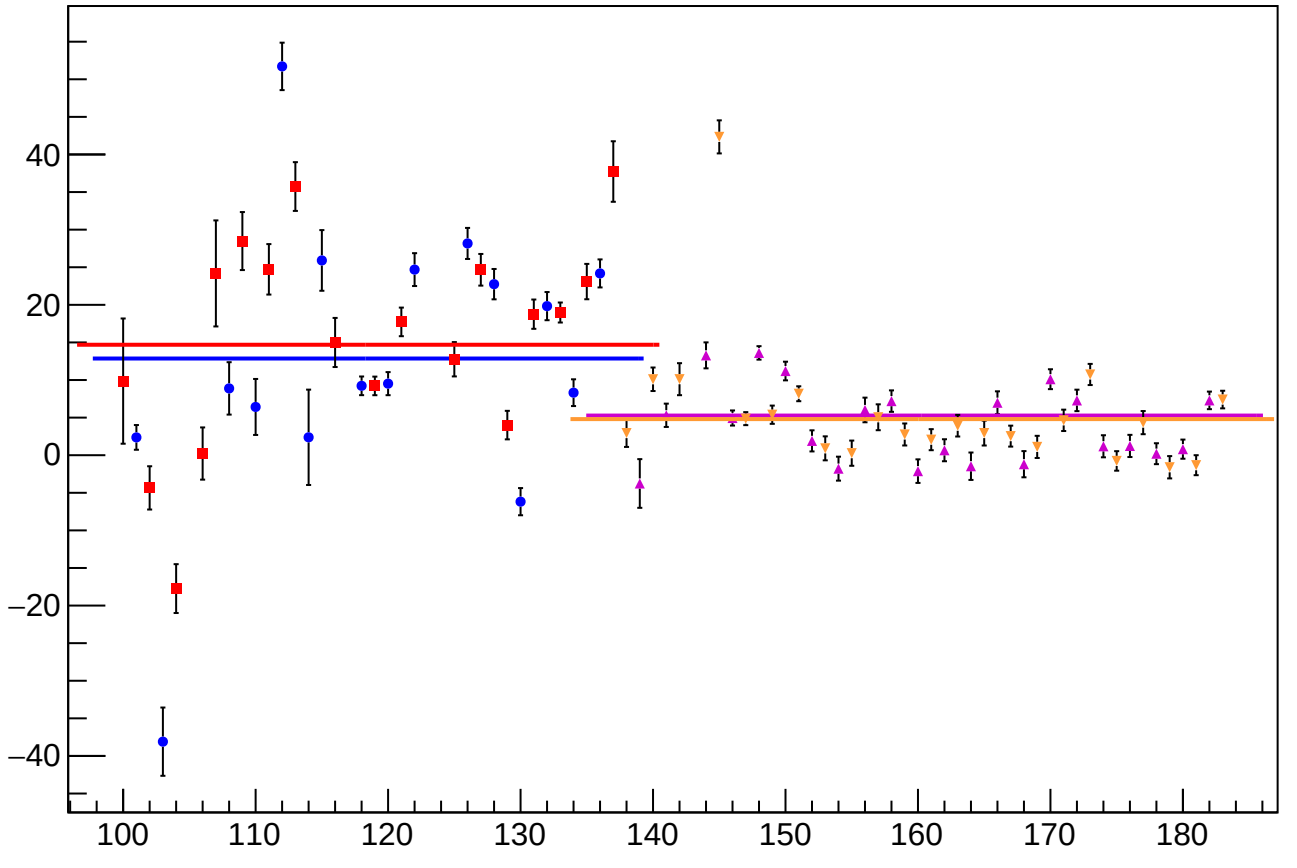
Left: -43.409+/-0.272 χ^2/NDF: 4379.9/44

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -45.131+/-0.314 χ^2/NDF:4883.4/37

Out: -45.714+/-0.313 χ^2/NDF:5326.7/40

All: -45.423+/-0.222 χ^2/NDF: 10211.8/78



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 4.802+/-0.291 χ^2/NDF:432.6/22

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 5.272+/-0.298 χ^2/NDF:286.2/21

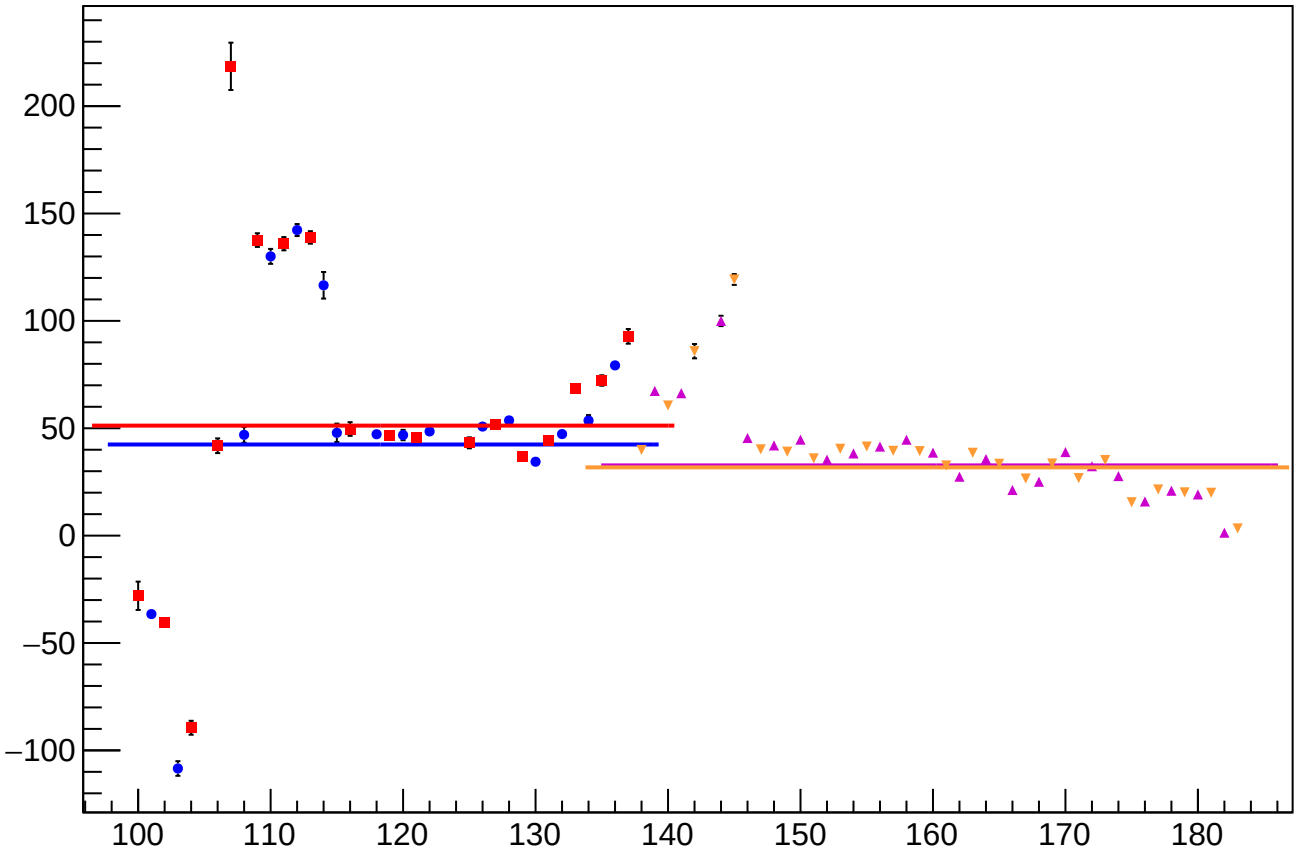
Left: 5.032+/-0.208 χ^2/NDF: 720.0/44

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 7.151+/-0.258 χ^2/NDF:1072.7/37

Out: 6.999+/-0.257 χ^2/NDF:1053.5/40

All: 7.075+/-0.182 χ^2/NDF: 2126.3/78



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 31.784+/-0.379 χ^2/NDF:2718.7/22

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 32.706+/-0.384 χ^2/NDF:2625.9/21

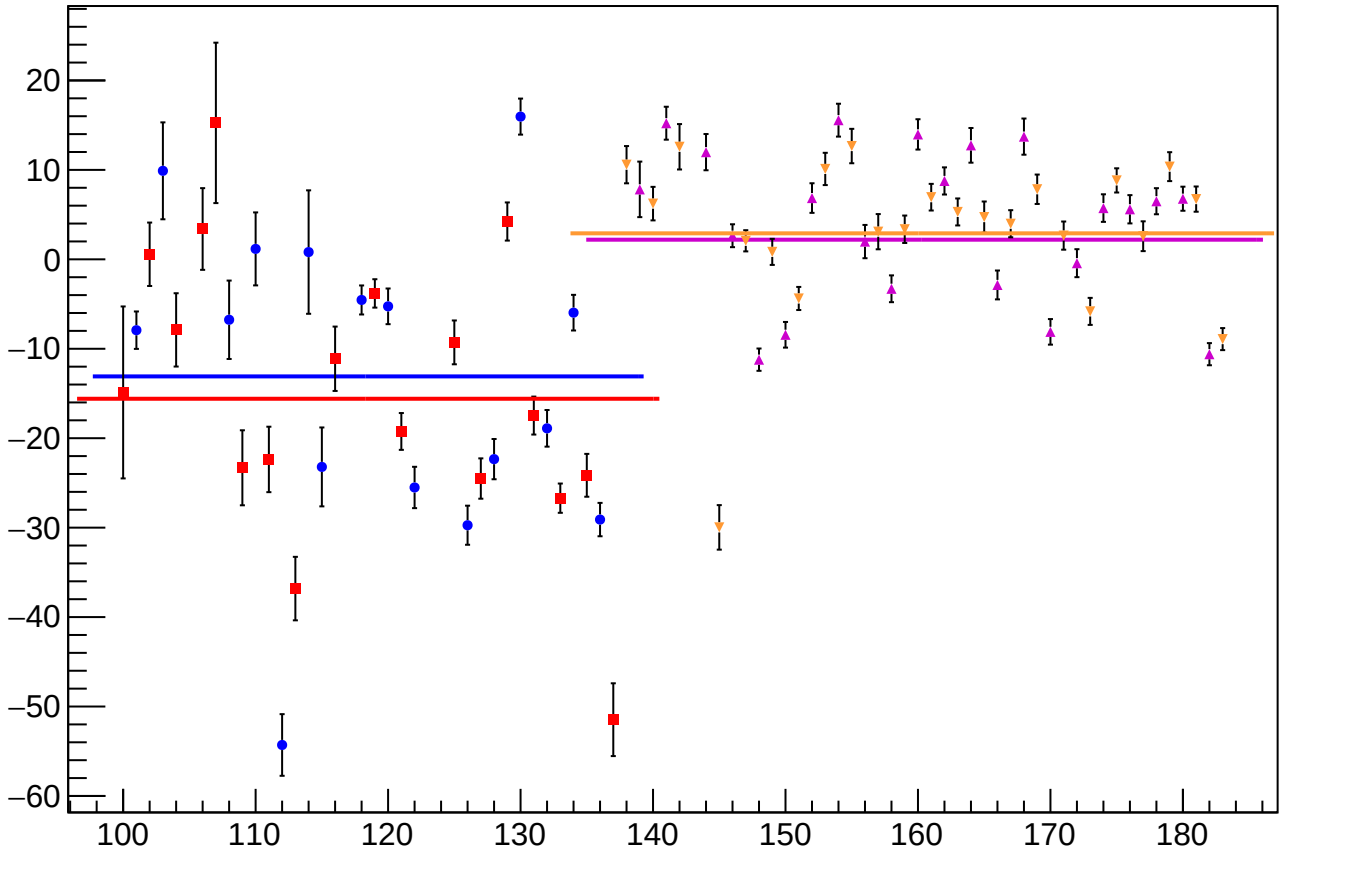
Left: 32.239+/-0.270 χ^2/NDF: 5347.5/44

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 35.643+/-0.321 χ^2/NDF:9988.4/37

Out: 37.141+/-0.323 χ^2/NDF:10054.5/40

All: 36.388+/-0.228 χ^2/NDF: 20053.7/78



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 2.906+/-0.330 χ^2/NDF:475.6/22

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.195+/-0.336 χ^2/NDF:652.4/21

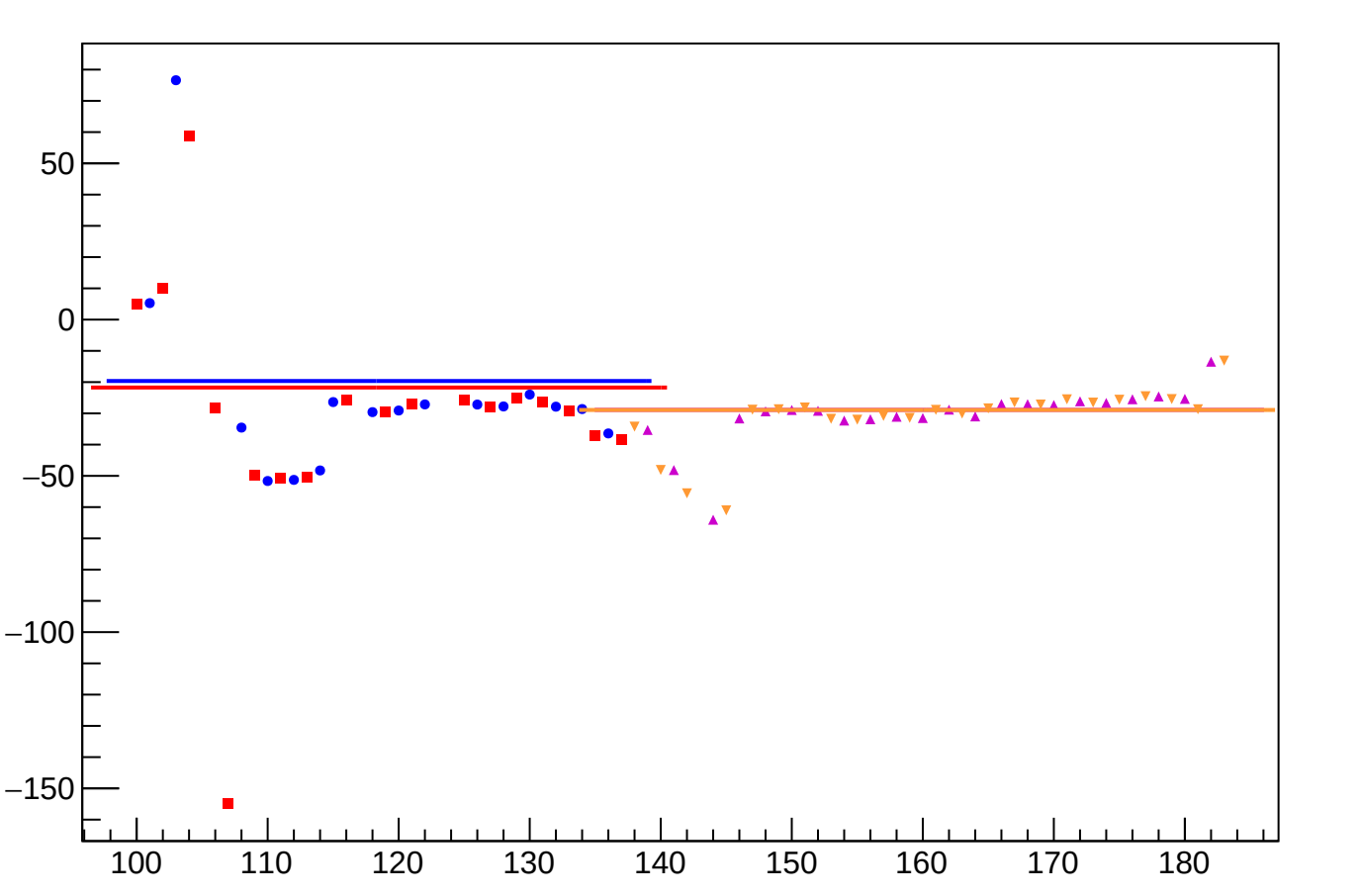
Left: 2.557+/-0.235 χ^2/NDF: 1130.2/44

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -1.460+/-0.293 χ^2/NDF:1786.5/37

Out: -1.104+/-0.292 χ^2/NDF:1559.2/40

All: -1.282+/-0.207 χ^2/NDF: 3346.4/78



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -28.913+/-0.015 χ^2/NDF:305467.5/22

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -28.886+/-0.015 χ^2/NDF:262586.0/21

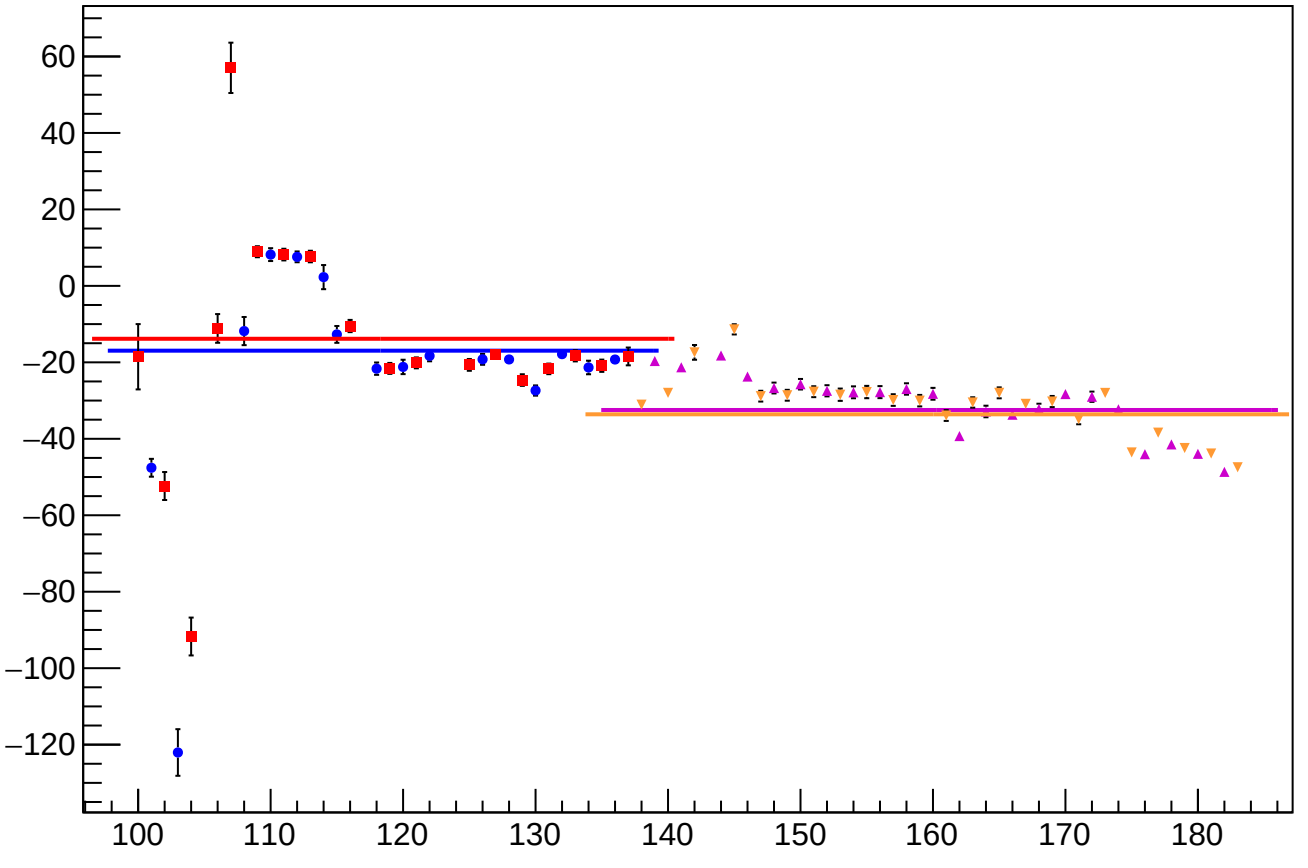
Left: -28.900+/-0.011 χ^2/NDF: 568055.1/44

Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -27.524+/-0.014 χ^2/NDF:965359.2/37

Out: -27.988+/-0.014 χ^2/NDF:881852.3/40

All: -27.754+/-0.010 χ^2/NDF: 1847766.9/78



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -33.593+/-0.267 χ^2/NDF:1013.3/22

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -32.463+/-0.272 χ^2/NDF:1096.0/21

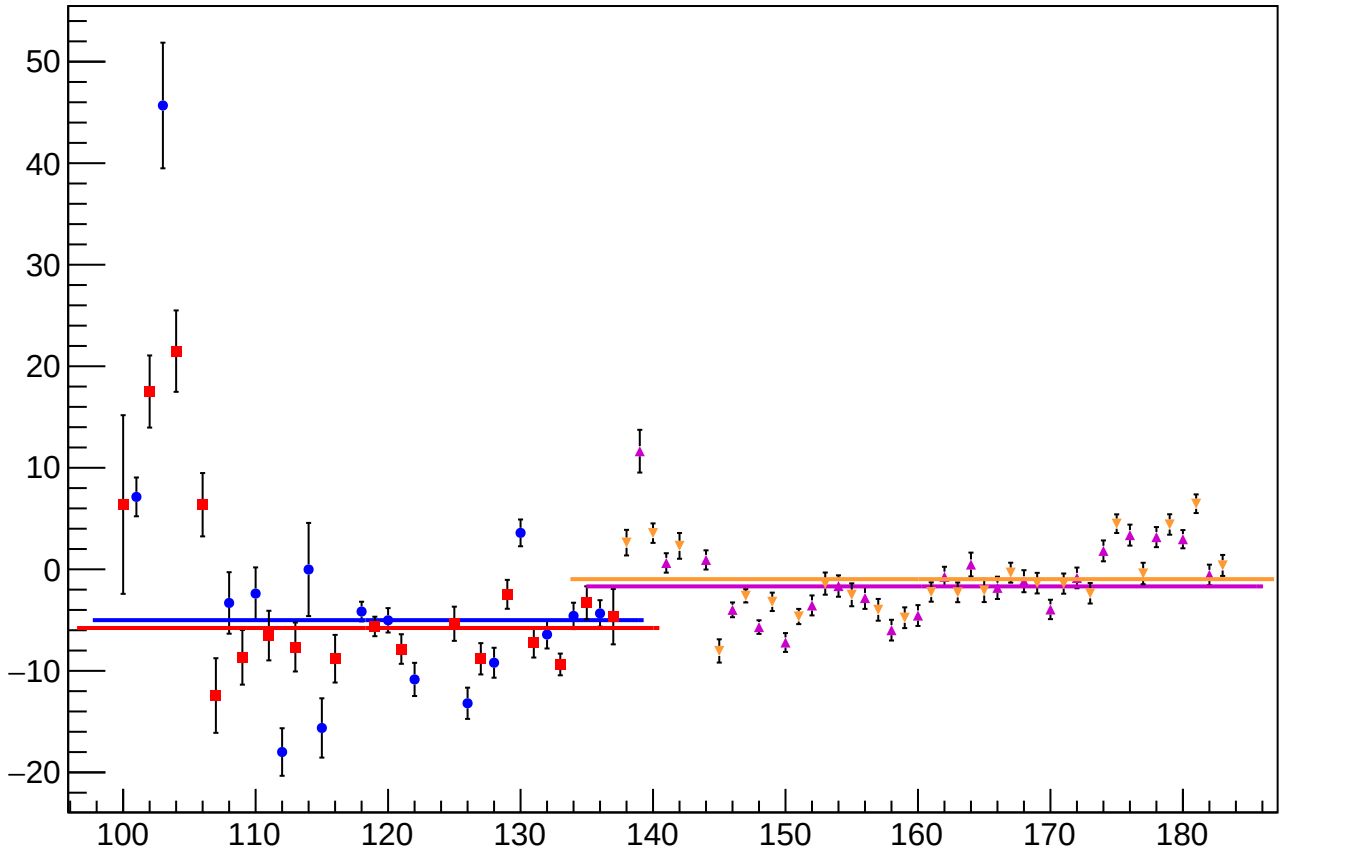
Left: -33.038+/-0.190 χ^2/NDF: 2118.1/44

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

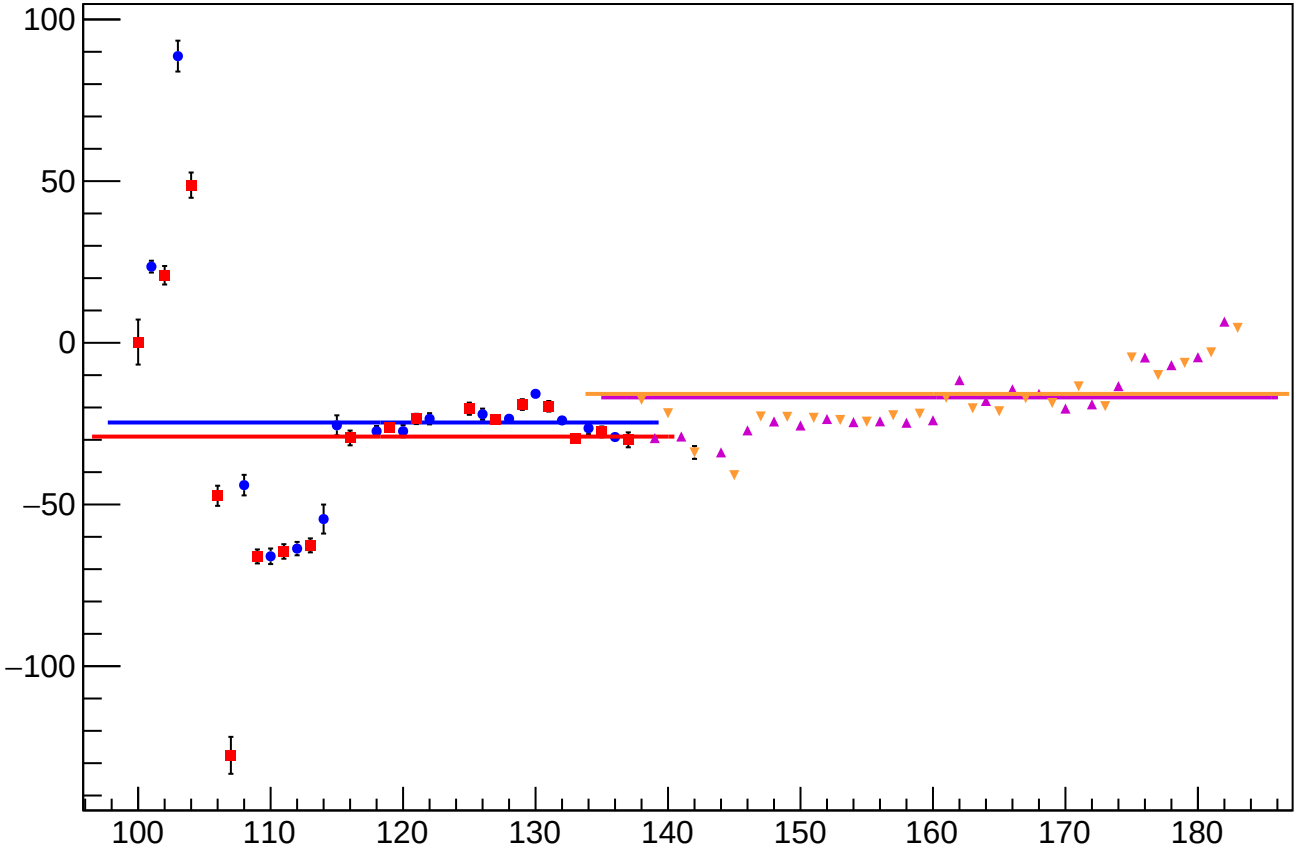
In: -27.629+/-0.225 χ^2/NDF:3240.1/37

Out: -27.696+/-0.224 χ^2/NDF:3981.5/40

All: -27.663+/-0.159 χ^2/NDF: 7221.7/78


reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: -5.006+/-0.401 χ²/NDF: 247.8/15
Left Out: -0.967+/-0.204 χ²/NDF:274.1/22
Right Out: -5.779+/-0.419 χ²/NDF: 139.3/17
Left In: -1.681+/-0.208 χ²/NDF:263.6/21
Left: -1.317+/-0.146 χ²/NDF: 543.7/44
Right: -5.375+/-0.290 χ²/NDF: 388.9/33
In: -2.387+/-0.185 χ²/NDF:565.4/37
Out: -1.888+/-0.183 χ²/NDF:519.9/40
All: -2.135+/-0.130 χ²/NDF: 1089.0/78

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: -15.799+/-0.265 χ^2/NDF:1502.6/22

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -16.878+/-0.269 χ^2/NDF:1595.3/21

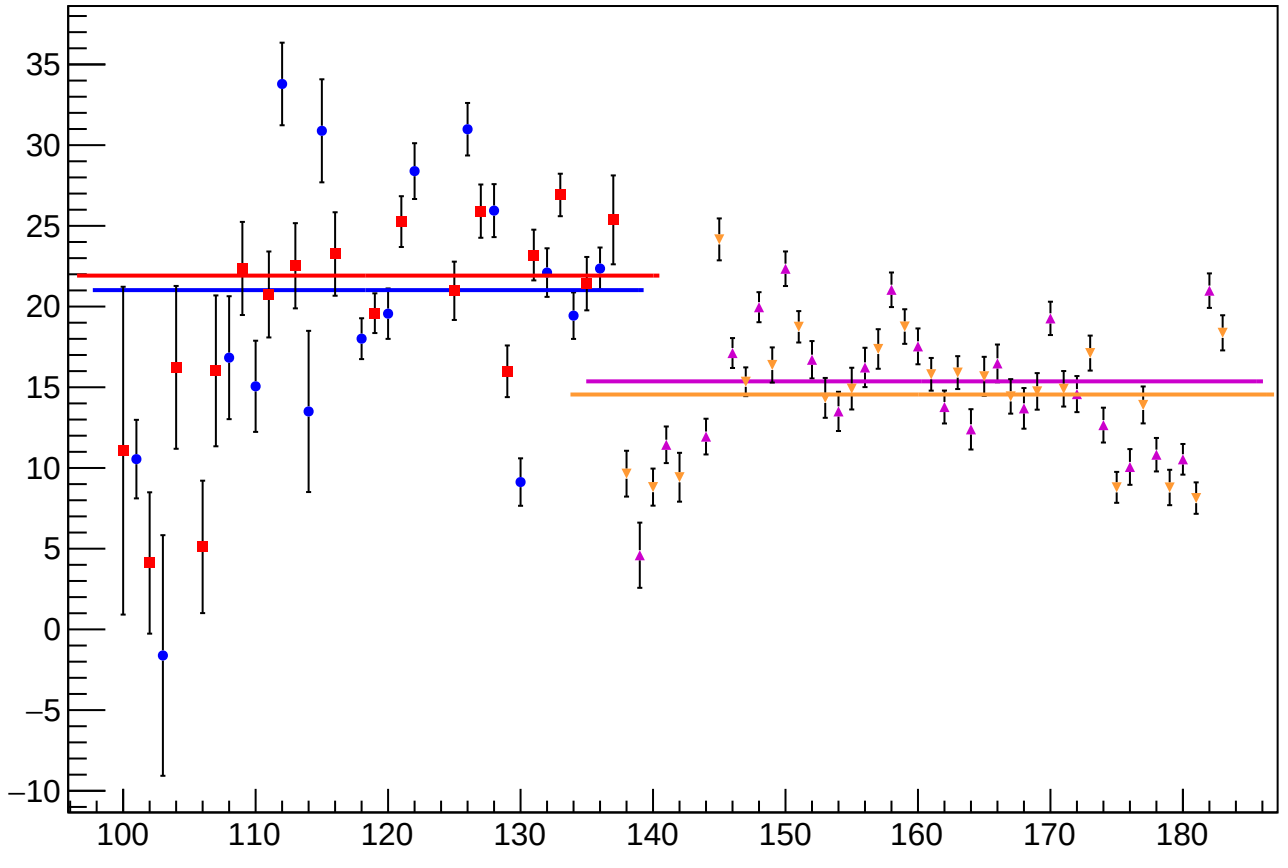
Left: -16.330+/-0.189 χ^2/NDF: 3106.0/44

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -18.887+/-0.231 χ^2/NDF:3863.0/37

Out: -18.926+/-0.231 χ^2/NDF:4044.1/40

All: -18.907+/-0.164 χ^2/NDF: 7907.1/78



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 14.551+/-0.231 χ^2/NDF:275.8/22

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 15.366+/-0.235 χ^2/NDF:283.9/21

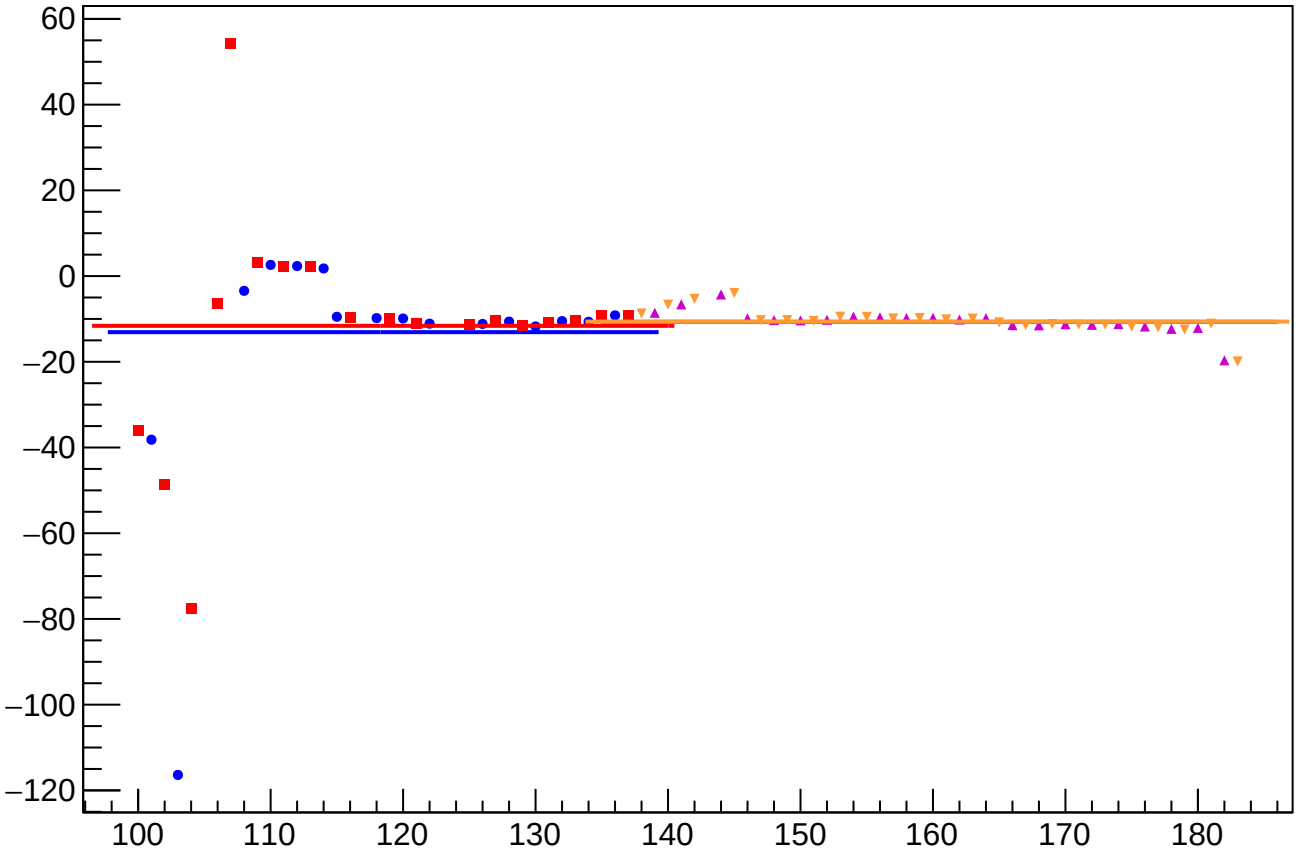
Left: 14.951+/-0.165 χ^2/NDF: 565.8/44

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 16.544+/-0.209 χ^2/NDF:614.0/37

Out: 15.942+/-0.208 χ^2/NDF:550.7/40

All: 16.241+/-0.147 χ^2/NDF: 1168.9/78



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -10.626+/-0.010 χ^2/NDF:71269.2/22

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -10.680+/-0.010 χ^2/NDF:61884.4/21

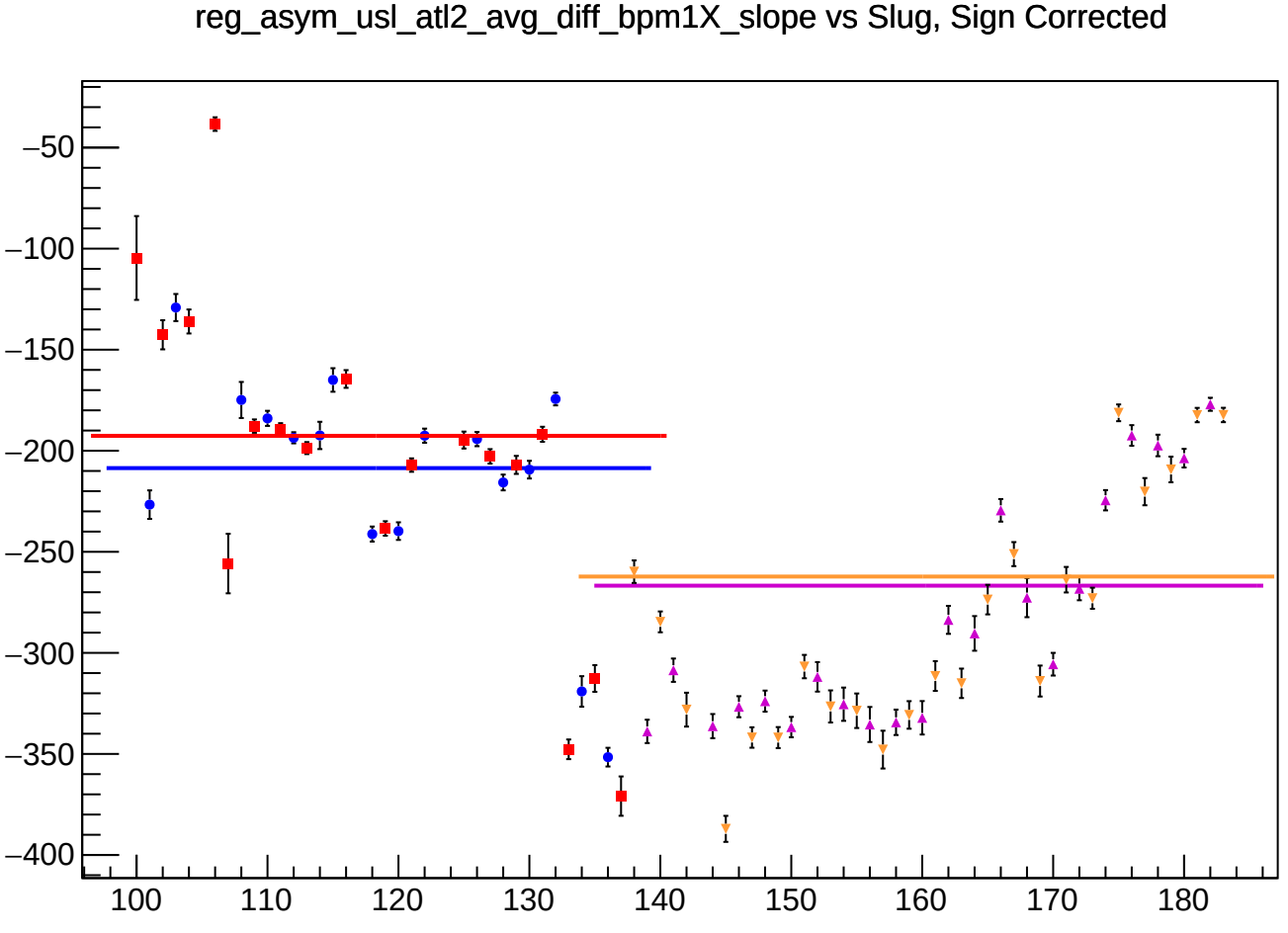
Left: -10.653+/-0.007 χ^2/NDF: 133167.1/44

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.964+/-0.010 χ^2/NDF:413150.2/37

Out: -10.725+/-0.010 χ^2/NDF:386365.4/40

All: -10.846+/-0.007 χ^2/NDF: 799813.4/78



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -262.245+/-1.192 χ^2/NDF:2964.0/22

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -266.751+/-1.210 χ^2/NDF:2635.2/21

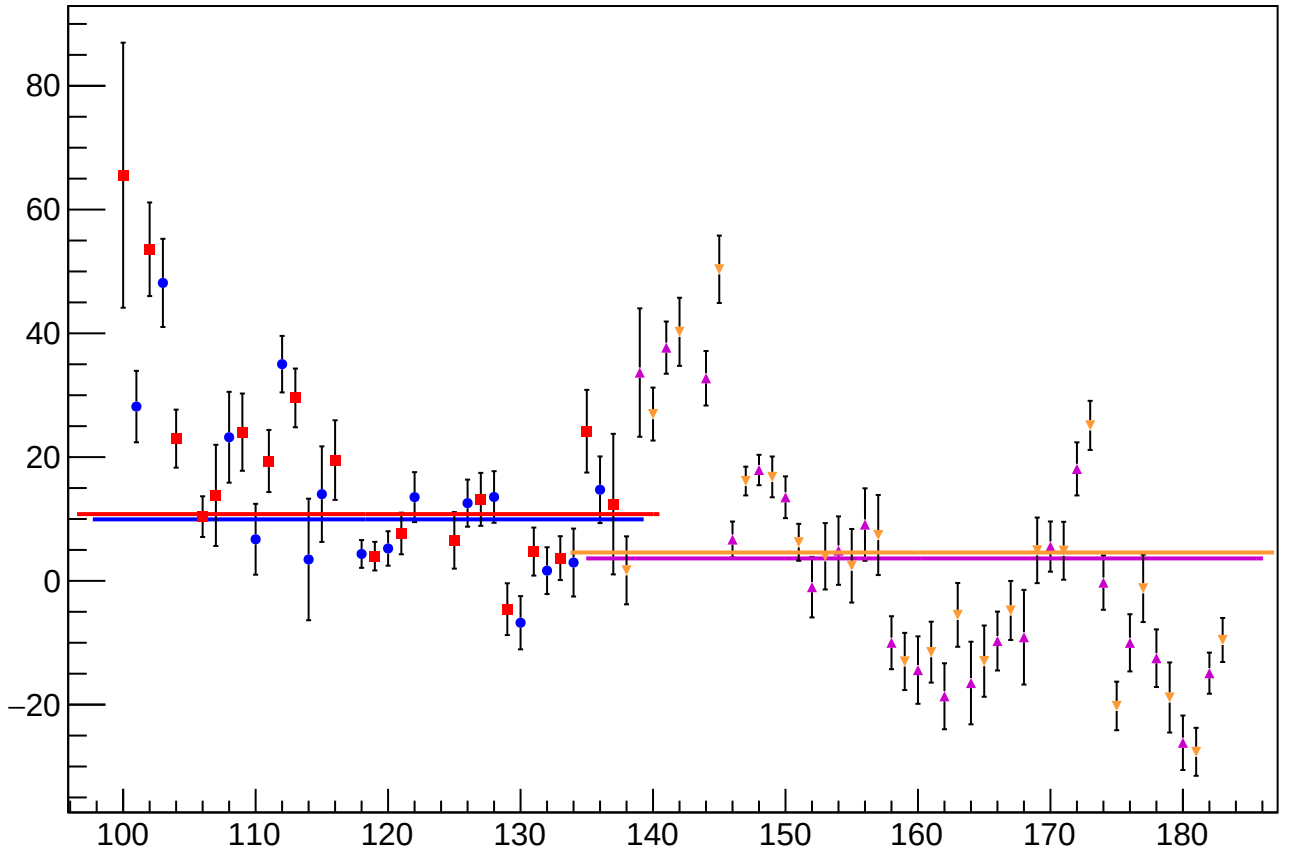
Left: -264.466+/-0.849 χ^2/NDF: 5606.3/44

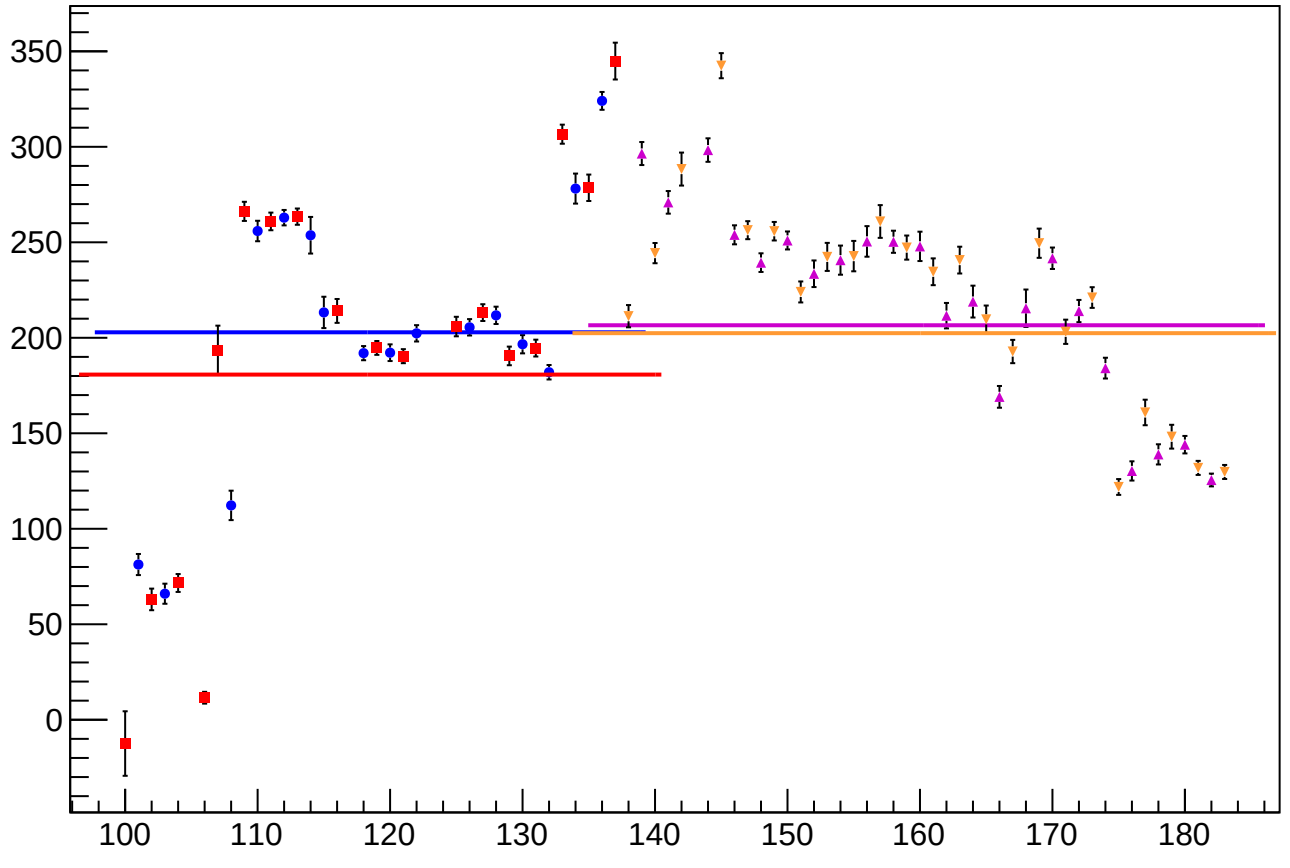
Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -234.024+/-0.800 χ^2/NDF:5687.2/37

Out: -221.326+/-0.766 χ^2/NDF:9174.7/40

All: -227.398+/-0.553 χ^2/NDF: 14993.4/78


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: 4.585+/-0.894 χ²/NDF:391.3/22
Right Out: 10.788+/-1.044 χ²/NDF: 105.1/17
Left In: 3.628+/-0.912 χ²/NDF:331.0/21
Left: 4.116+/-0.639 χ²/NDF: 722.9/44
Right: 10.372+/-0.746 χ²/NDF: 212.0/33
In: 6.297+/-0.693 χ²/NDF:457.8/37
Out: 7.211+/-0.679 χ²/NDF:516.8/40
All: 6.763+/-0.485 χ²/NDF: 975.5/78



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 202.423+/-1.185 χ^2/NDF:2393.2/22

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: 204.468+/-0.843 χ^2/NDF: 4608.2/44

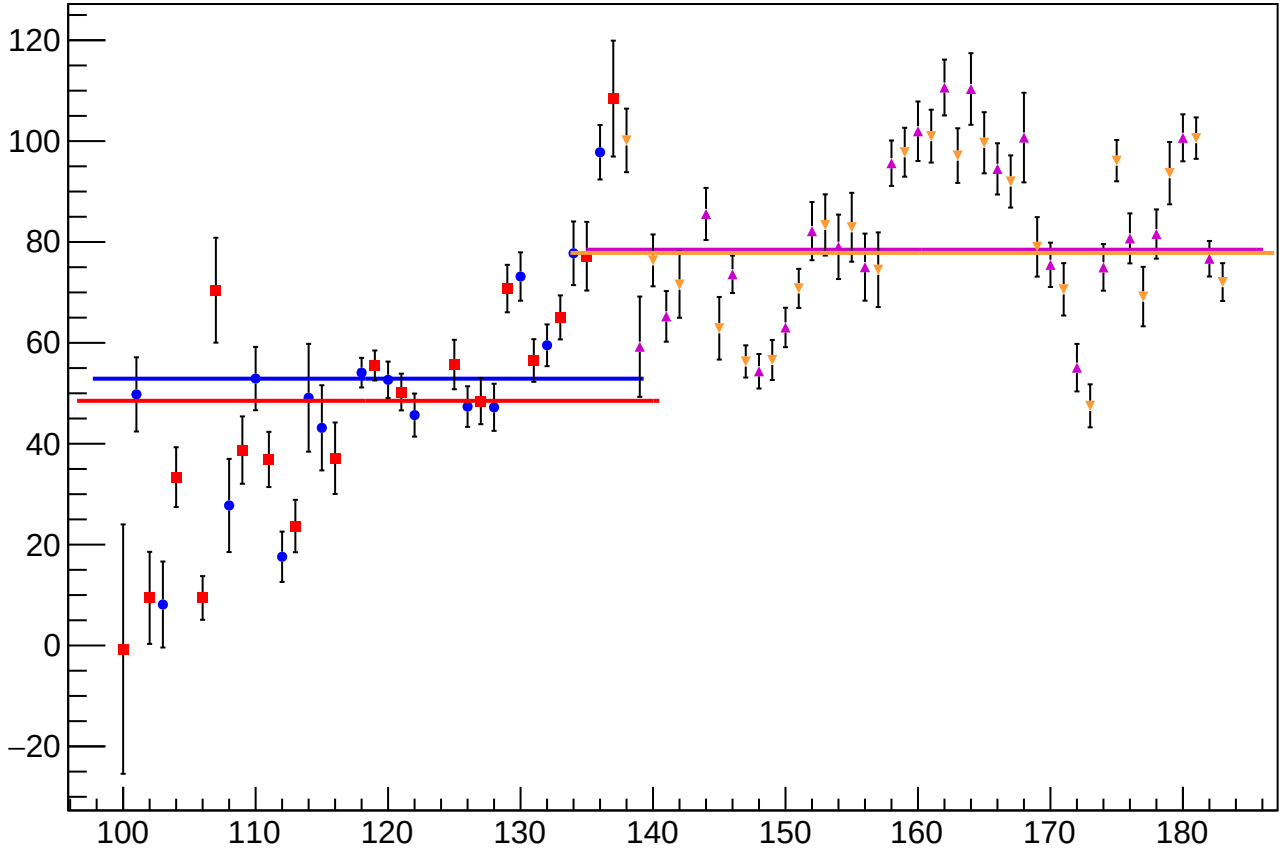
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 204.758+/-0.857 χ^2/NDF:4677.8/37

Out: 191.193+/-0.823 χ^2/NDF:8914.7/40

All: 197.699+/-0.594 χ^2/NDF: 13722.8/78

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: 77.839+/-1.025 χ^2/NDF:282.2/22

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 78.469+/-1.041 χ^2/NDF:230.0/21

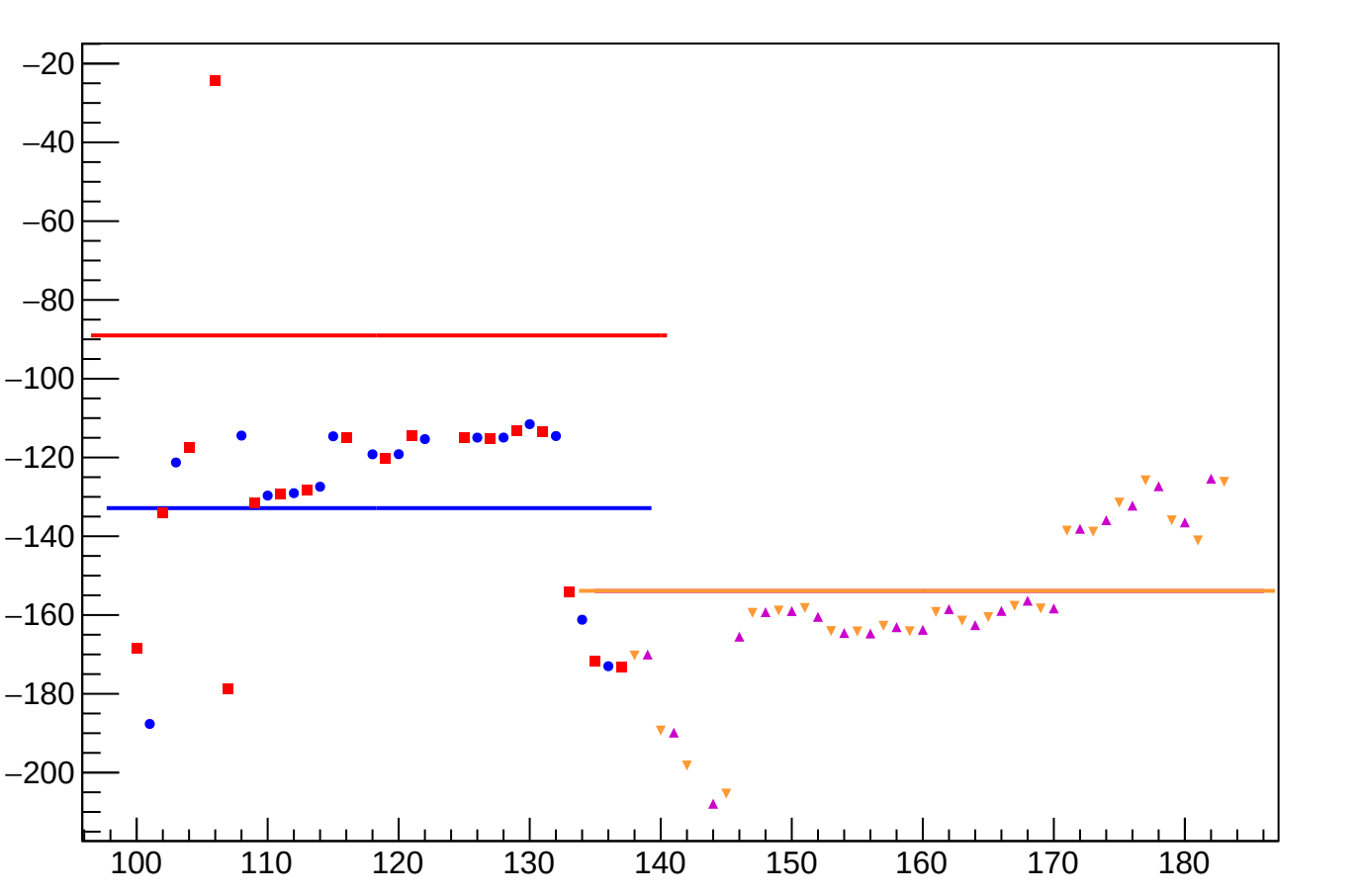
Left: 78.149+/-0.730 χ^2/NDF: 512.4/44

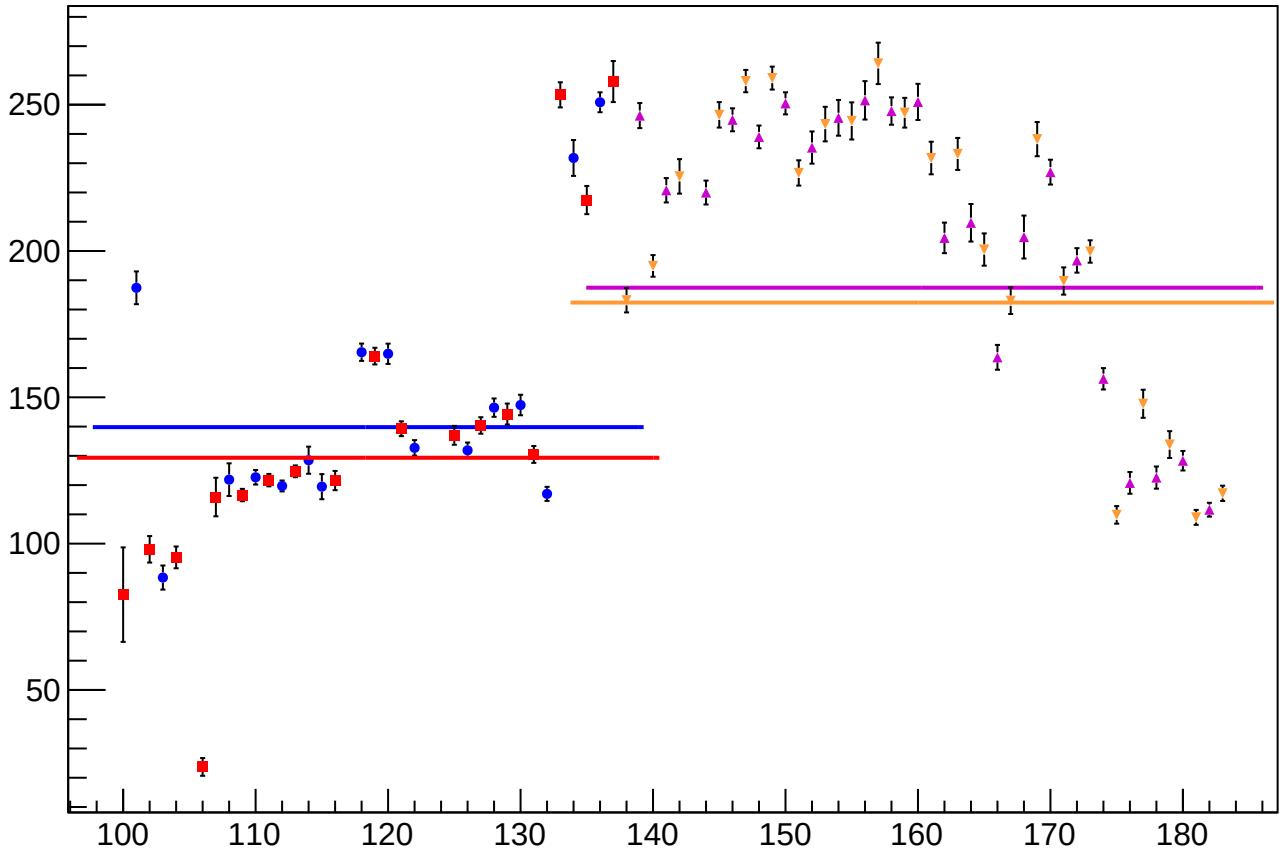
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 67.917+/-0.798 χ^2/NDF:677.5/37

Out: 65.630+/-0.783 χ^2/NDF:862.8/40

All: 66.753+/-0.559 χ^2/NDF: 1544.4/78


reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
−160
−180
−200
100
110
120
130
140
150
160
170
180
Right In: -132.856+/-0.081 χ²/NDF: 93497.9/15
Left Out: -153.852+/-0.048 χ²/NDF:168222.6/22
Right Out: -89.020+/-0.064 χ²/NDF: 728110.1/17
Left In: -153.908+/-0.047 χ²/NDF:157553.1/21
Left: -153.880+/-0.034 χ²/NDF: 325776.4/44
Right: -105.832+/-0.050 χ²/NDF: 1000593.4/33
In: -148.574+/-0.041 χ²/NDF:301046.3/37
Out: -130.854+/-0.038 χ²/NDF:1555026.2/40
All: -139.103+/-0.028 χ²/NDF: 1956146.2/78



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 182.384+/-0.876 χ^2/NDF:4149.7/22

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 187.461+/-0.890 χ^2/NDF:3699.2/21

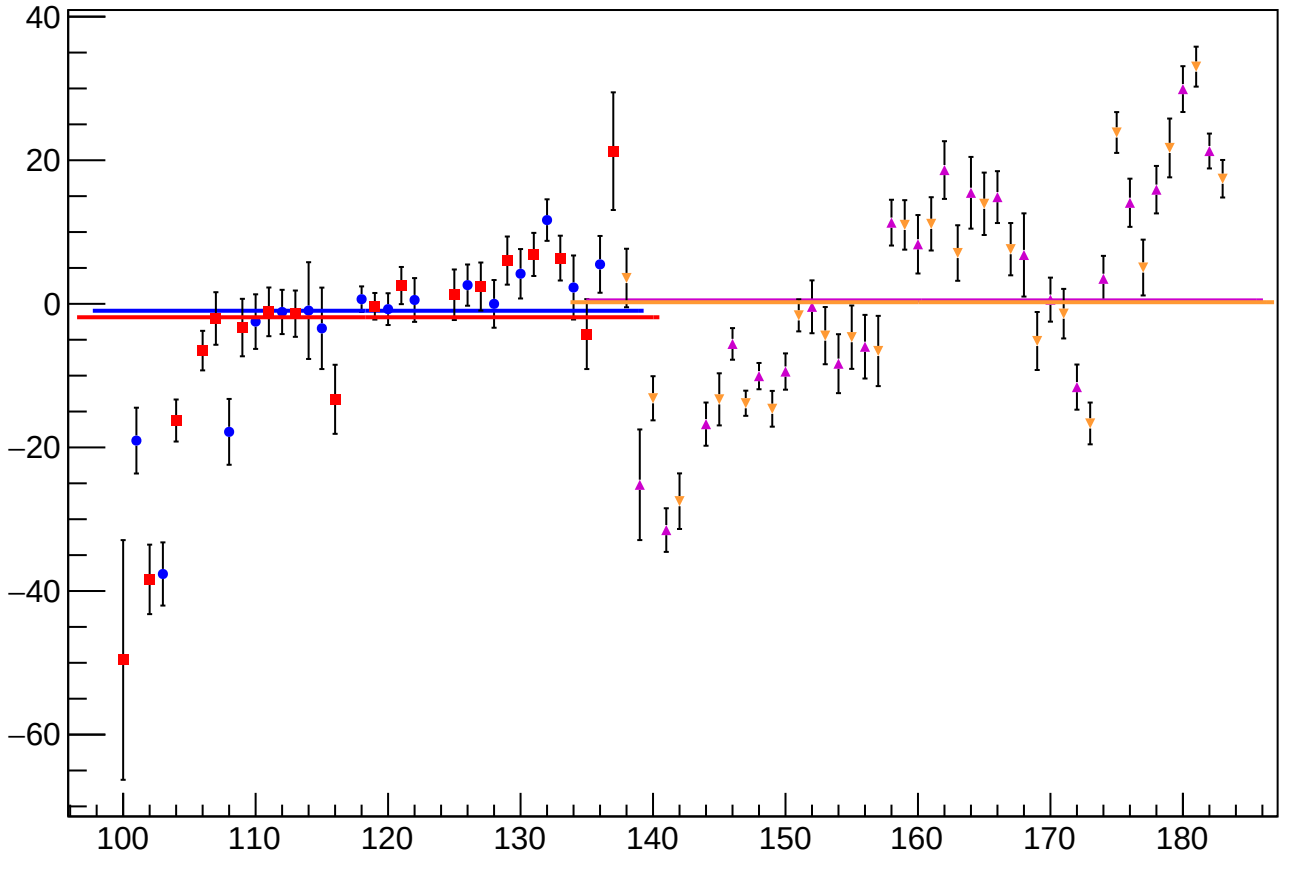
Left: 184.880+/-0.624 χ^2/NDF: 7865.4/44

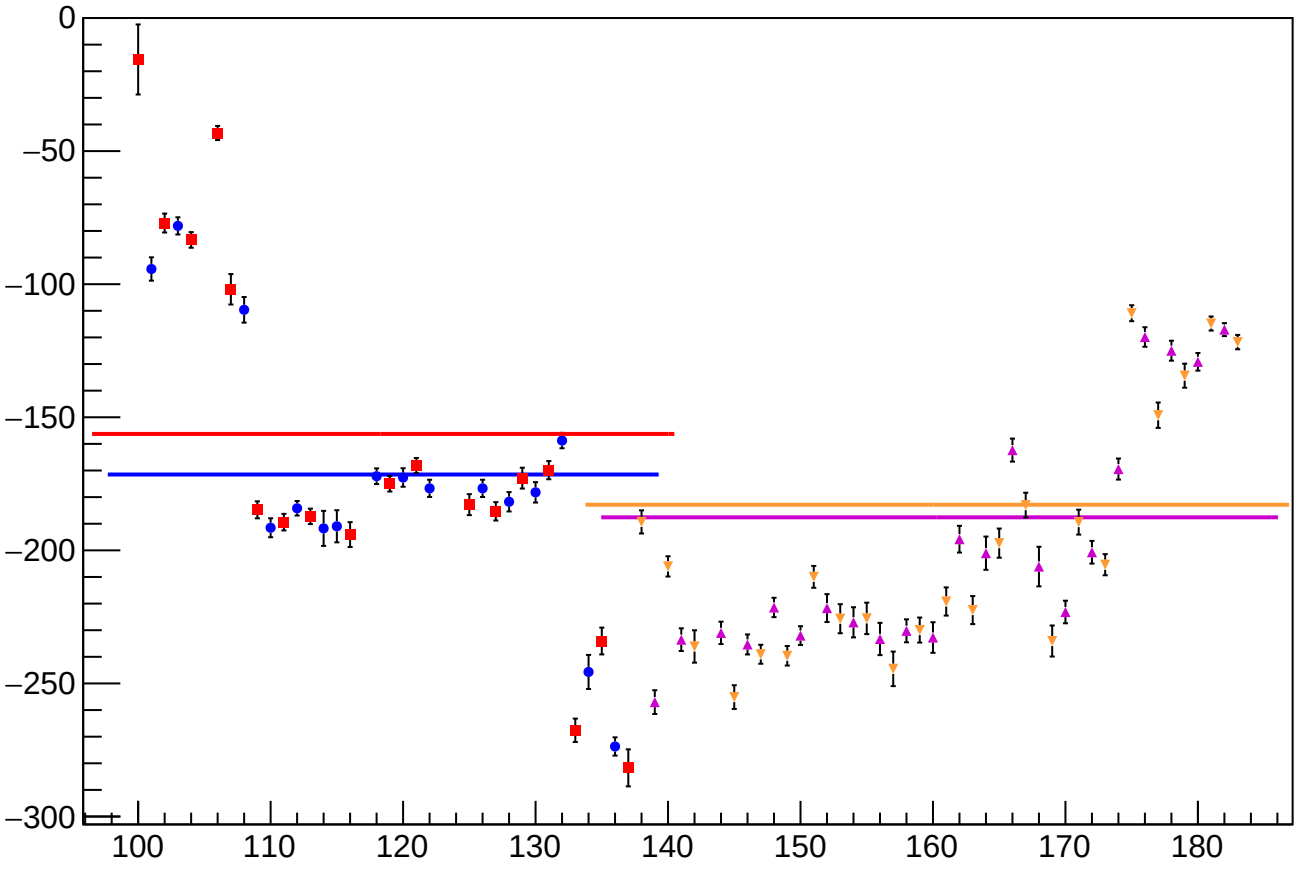
Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 160.642+/-0.589 χ^2/NDF:7276.8/37

Out: 151.243+/-0.563 χ^2/NDF:9427.7/40

All: 155.731+/-0.407 χ^2/NDF: 16837.7/78


reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: -0.963+/-0.808 χ²/NDF: 126.1/15
Left Out: 0.227+/-0.660 χ²/NDF:541.8/22
Right Out: -1.869+/-0.784 χ²/NDF: 133.2/17
Left In: 0.482+/-0.674 χ²/NDF:491.7/21
Left: 0.352+/-0.472 χ²/NDF: 1033.6/44
Right: -1.430+/-0.563 χ²/NDF: 259.9/33
In: -0.111+/-0.518 χ²/NDF:619.7/37
Out: -0.643+/-0.505 χ²/NDF:679.1/40
All: -0.383+/-0.361 χ²/NDF: 1299.4/78



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -182.859+/-0.871 χ^2/NDF:3354.7/22

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -187.586+/-0.883 χ^2/NDF:3086.2/21

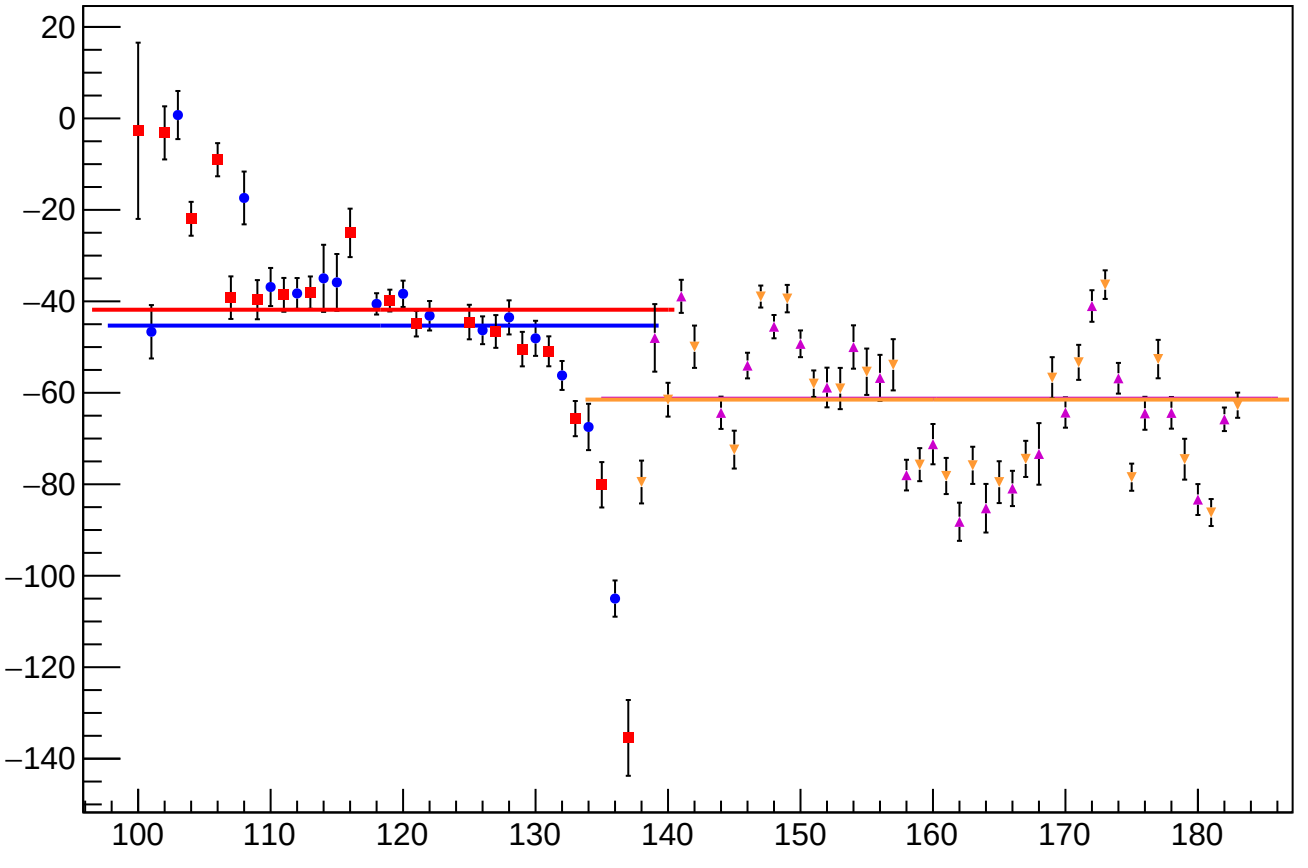
Left: -185.190+/-0.620 χ^2/NDF: 6455.4/44

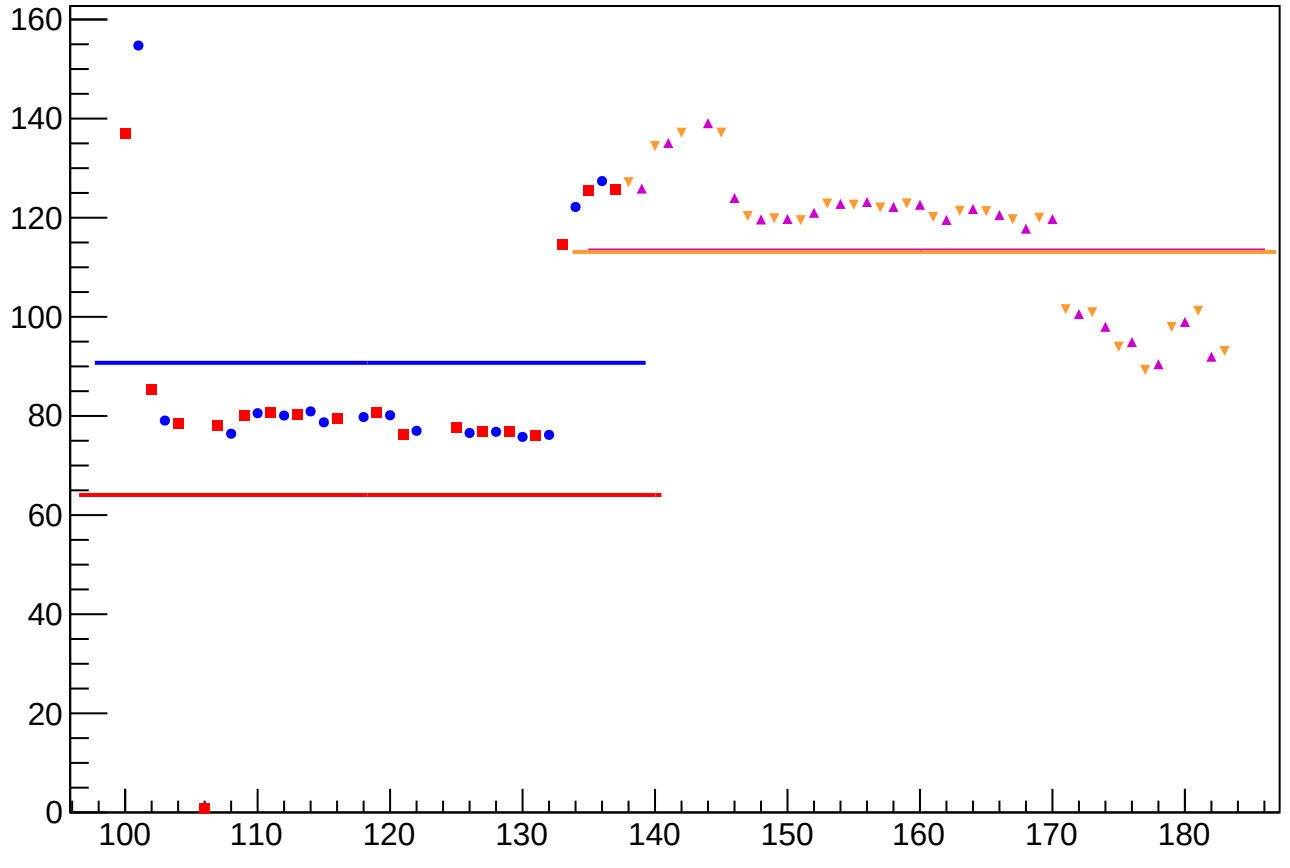
Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -179.757+/-0.633 χ^2/NDF:5690.3/37

Out: -169.192+/-0.607 χ^2/NDF:8738.1/40

All: -174.258+/-0.438 χ^2/NDF: 14573.5/78


reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
180
Right In: -45.304+/-0.938 χ²/NDF: 382.0/15
Left Out: -61.482+/-0.757 χ²/NDF:433.4/22
Right Out: -41.832+/-0.909 χ²/NDF: 414.2/17
Left In: -61.285+/-0.768 χ²/NDF:316.2/21
Left: -61.385+/-0.539 χ²/NDF: 749.7/44
Right: -43.515+/-0.653 χ²/NDF: 803.4/33
In: -54.868+/-0.594 χ²/NDF:872.1/37
Out: -53.445+/-0.582 χ²/NDF:1123.7/40
All: -54.141+/-0.416 χ²/NDF: 1998.7/78



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 113.099+/-0.035 χ^2/NDF:165320.3/22

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 113.387+/-0.035 χ^2/NDF:162712.9/21

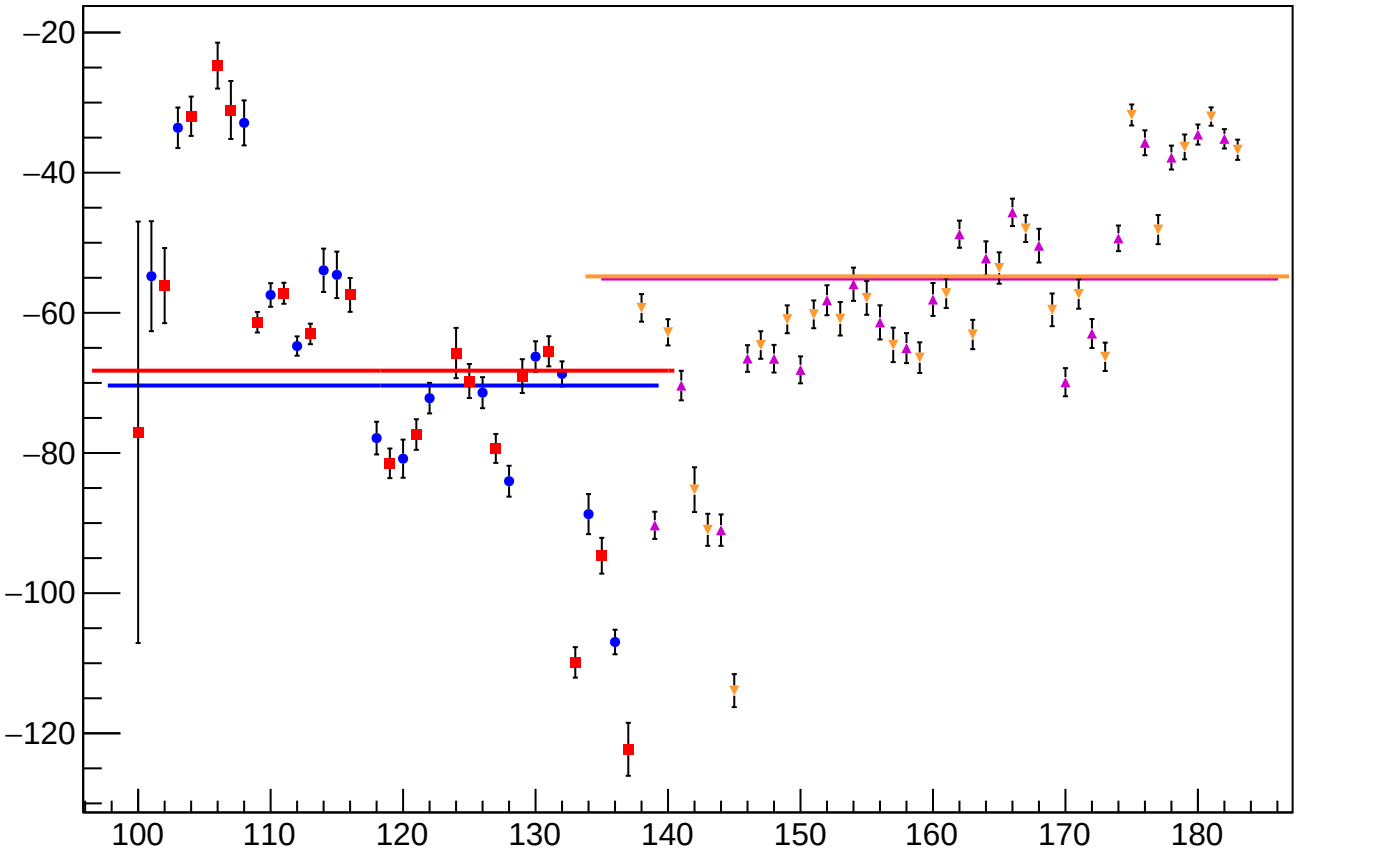
Left: 113.243+/-0.025 χ^2/NDF: 328067.2/44

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 107.412+/-0.030 χ^2/NDF:434422.3/37

Out: 96.618+/-0.029 χ^2/NDF:1483306.5/40

All: 101.747+/-0.021 χ^2/NDF: 1985523.6/78



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -54.799+/-0.404 χ^2/NDF:1971.7/23

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -55.108+/-0.416 χ^2/NDF:1541.0/21

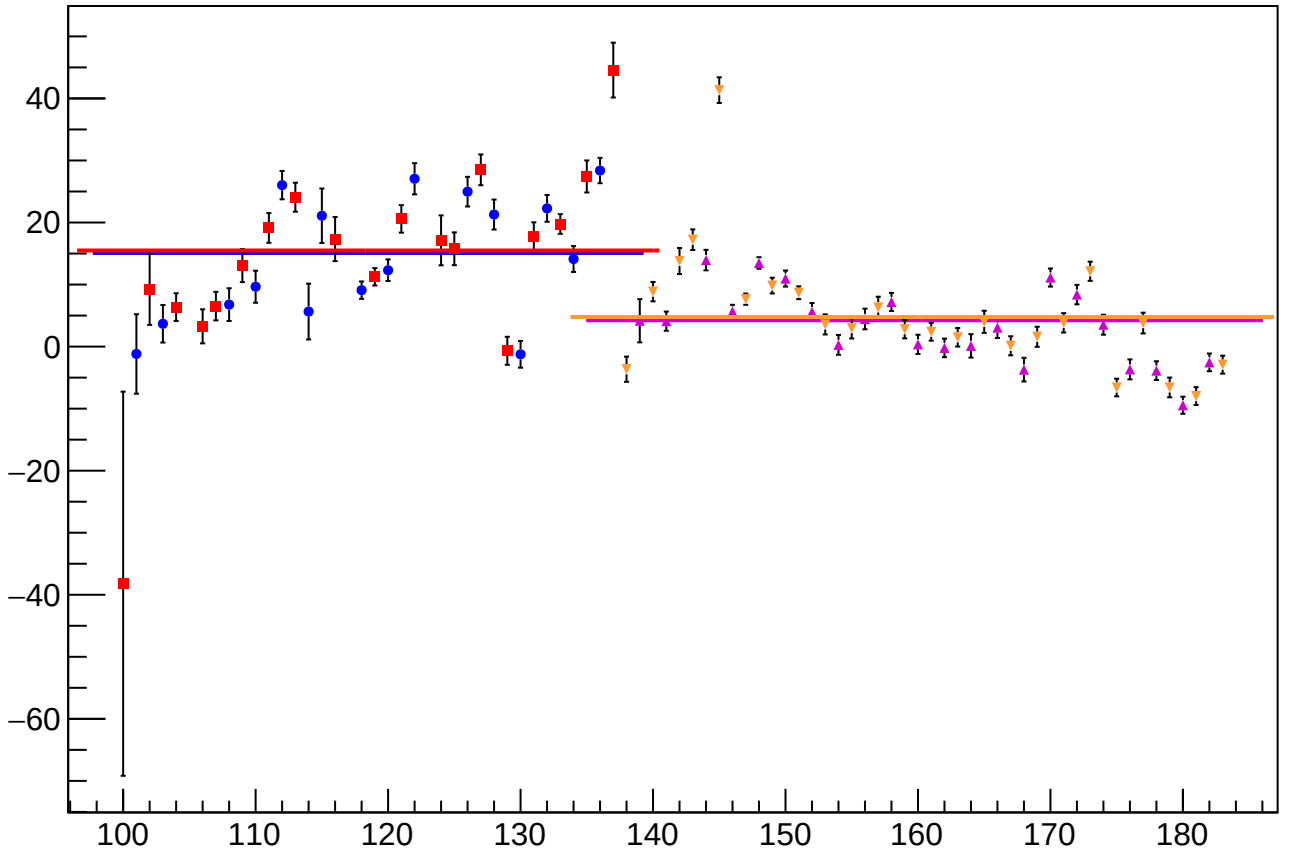
Left: -54.949+/-0.290 χ^2/NDF: 3513.1/45

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -60.564+/-0.333 χ^2/NDF:2997.4/37

Out: -59.777+/-0.320 χ^2/NDF:3688.7/42

All: -60.155+/-0.231 χ^2/NDF: 6689.0/80



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 4.764+/-0.303 χ^2/NDF:721.9/23

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: 4.513+/-0.218 χ^2/NDF: 1137.9/45

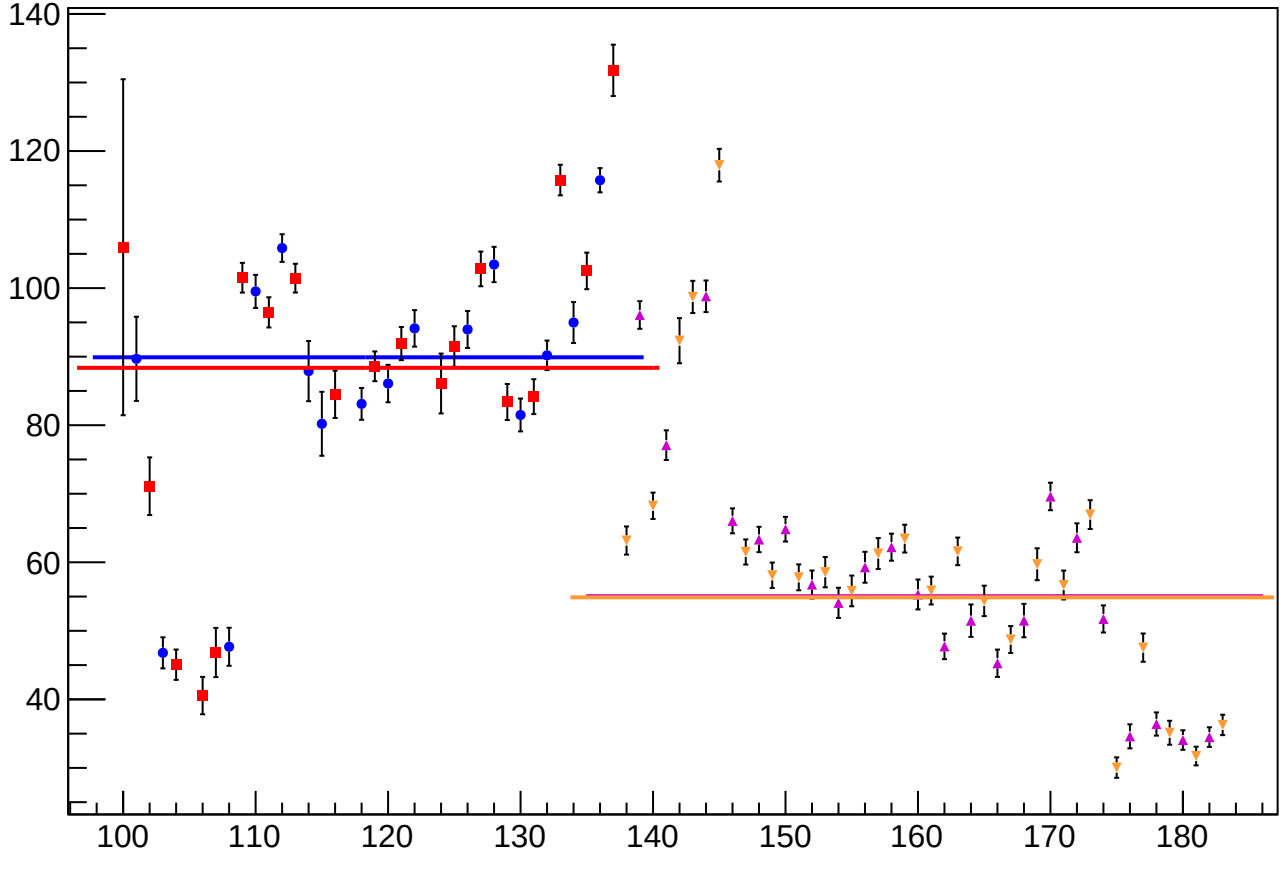
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 6.708+/-0.277 χ^2/NDF:926.6/37

Out: 7.207+/-0.266 χ^2/NDF:1246.3/42

All: 6.967+/-0.192 χ^2/NDF: 2174.6/80

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: 54.884+/-0.400 χ^2/NDF:2212.6/23

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 55.055+/-0.411 χ^2/NDF:1778.8/21

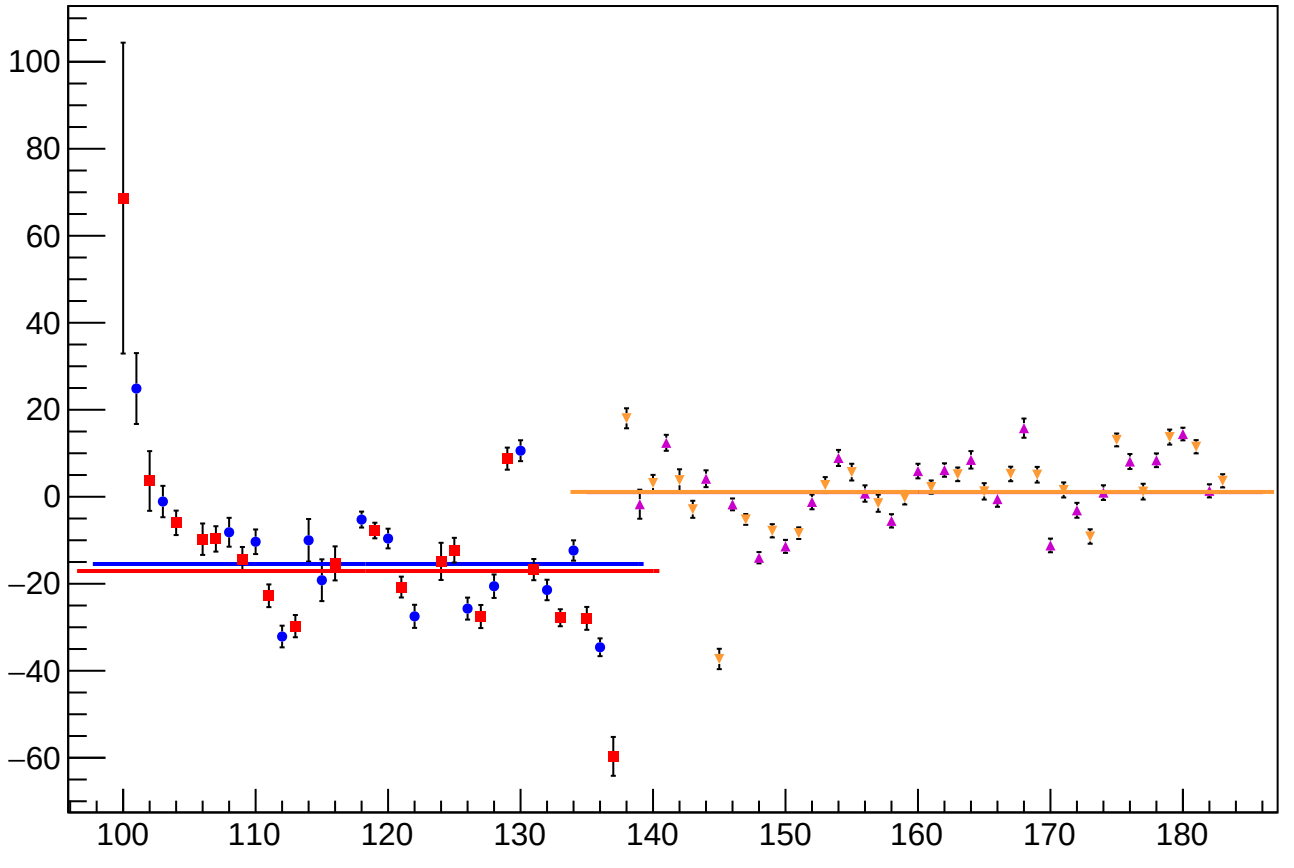
Left: 54.967+/-0.286 χ^2/NDF: 3991.5/45

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 65.199+/-0.346 χ^2/NDF:4824.4/37

Out: 64.775+/-0.336 χ^2/NDF:5574.8/42

All: 64.981+/-0.241 χ^2/NDF: 10399.9/80



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: 1.109+/-0.345 χ^2/NDF:672.3/23

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 1.069+/-0.357 χ^2/NDF:555.2/21

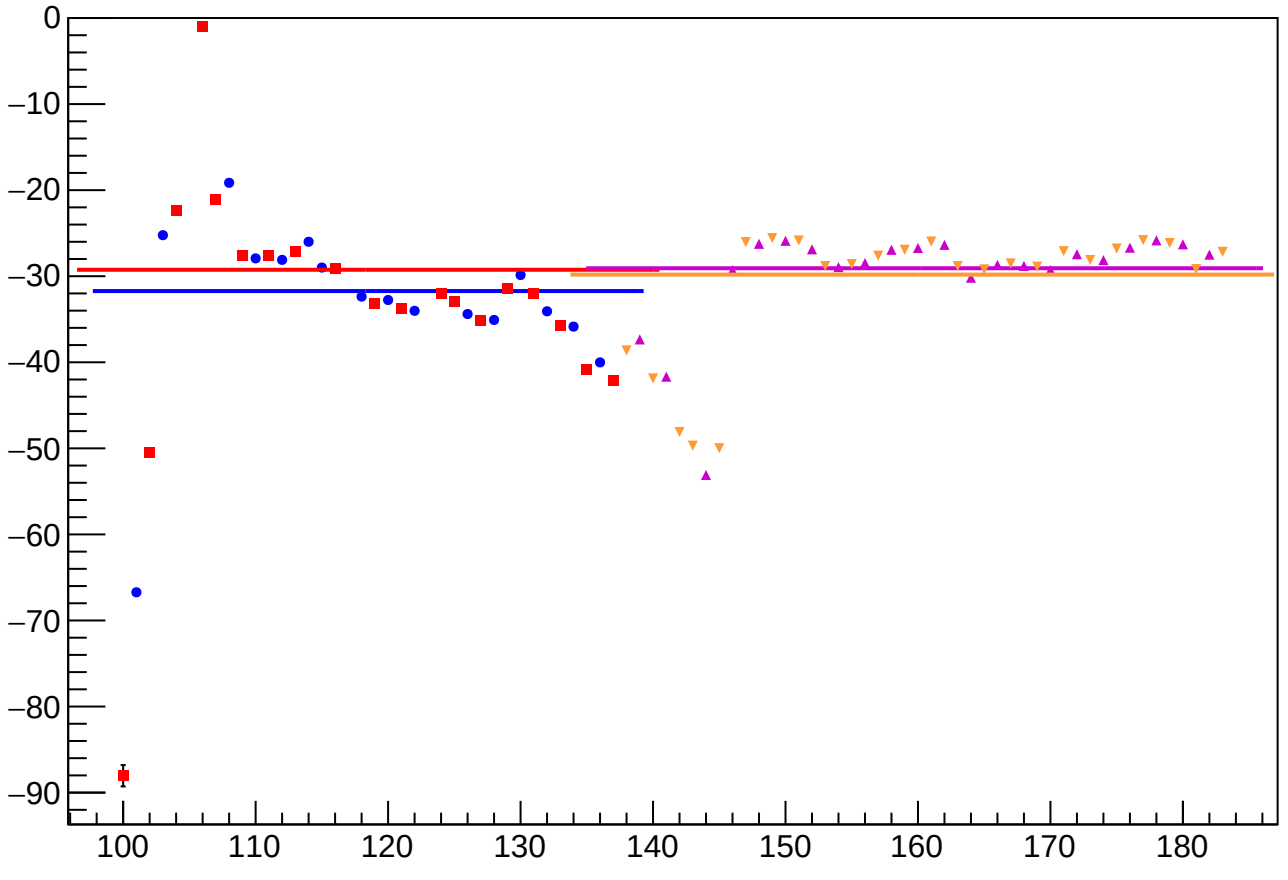
Left: 1.090+/-0.248 χ^2/NDF: 1227.4/45

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -2.618+/-0.314 χ^2/NDF:1420.6/37

Out: -2.951+/-0.304 χ^2/NDF:1652.5/42

All: -2.790+/-0.219 χ^2/NDF: 3073.7/80



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -29.812+/-0.016 χ^2/NDF:162809.2/23

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -29.074+/-0.016 χ^2/NDF:101536.0/21

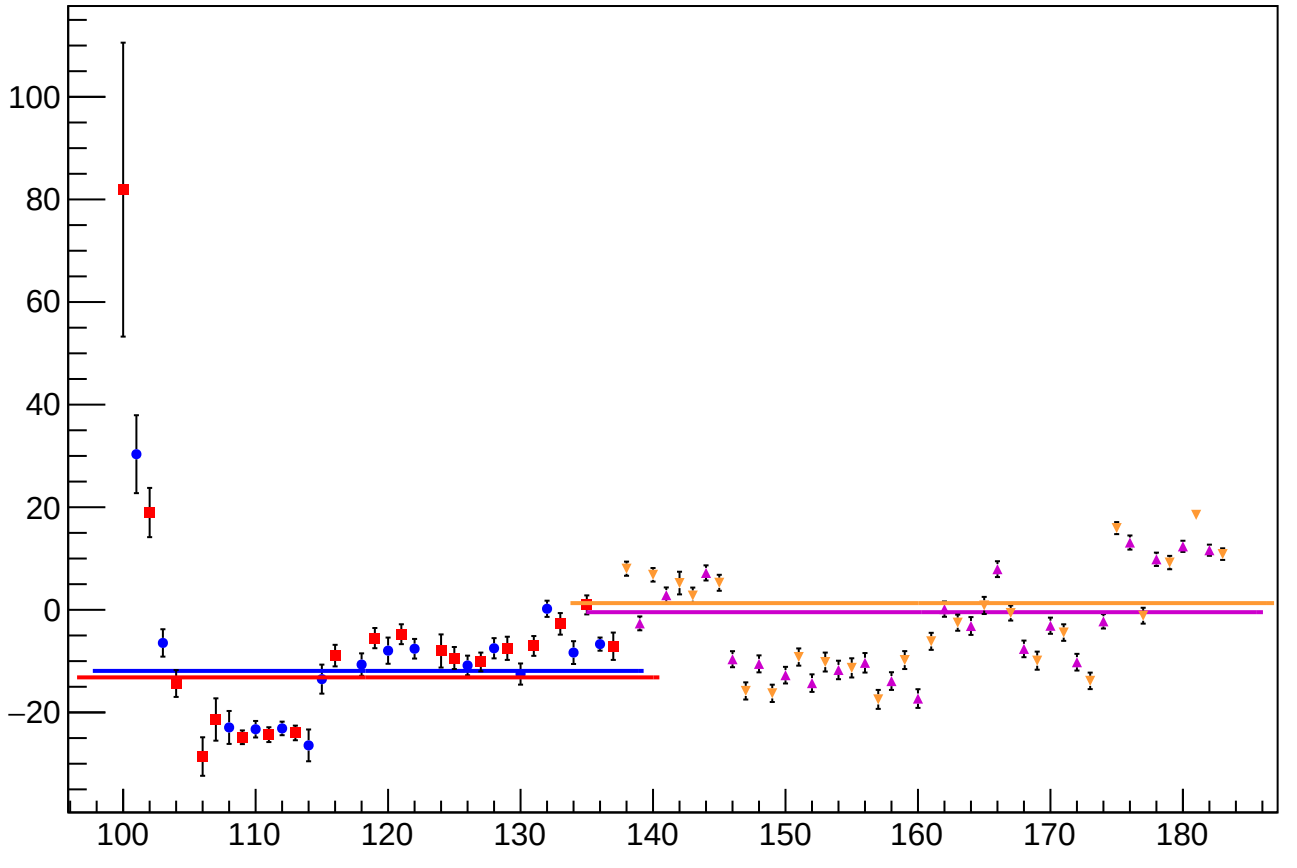
Left: -29.449+/-0.011 χ^2/NDF: 265430.5/45

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -29.463+/-0.015 χ^2/NDF:145214.6/37

Out: -29.732+/-0.015 χ^2/NDF:258228.2/42

All: -29.599+/-0.010 χ^2/NDF: 403611.6/80



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: 1.309+/-0.307 χ^2/NDF:1272.4/23

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: 0.458+/-0.221 χ^2/NDF: 2243.8/45

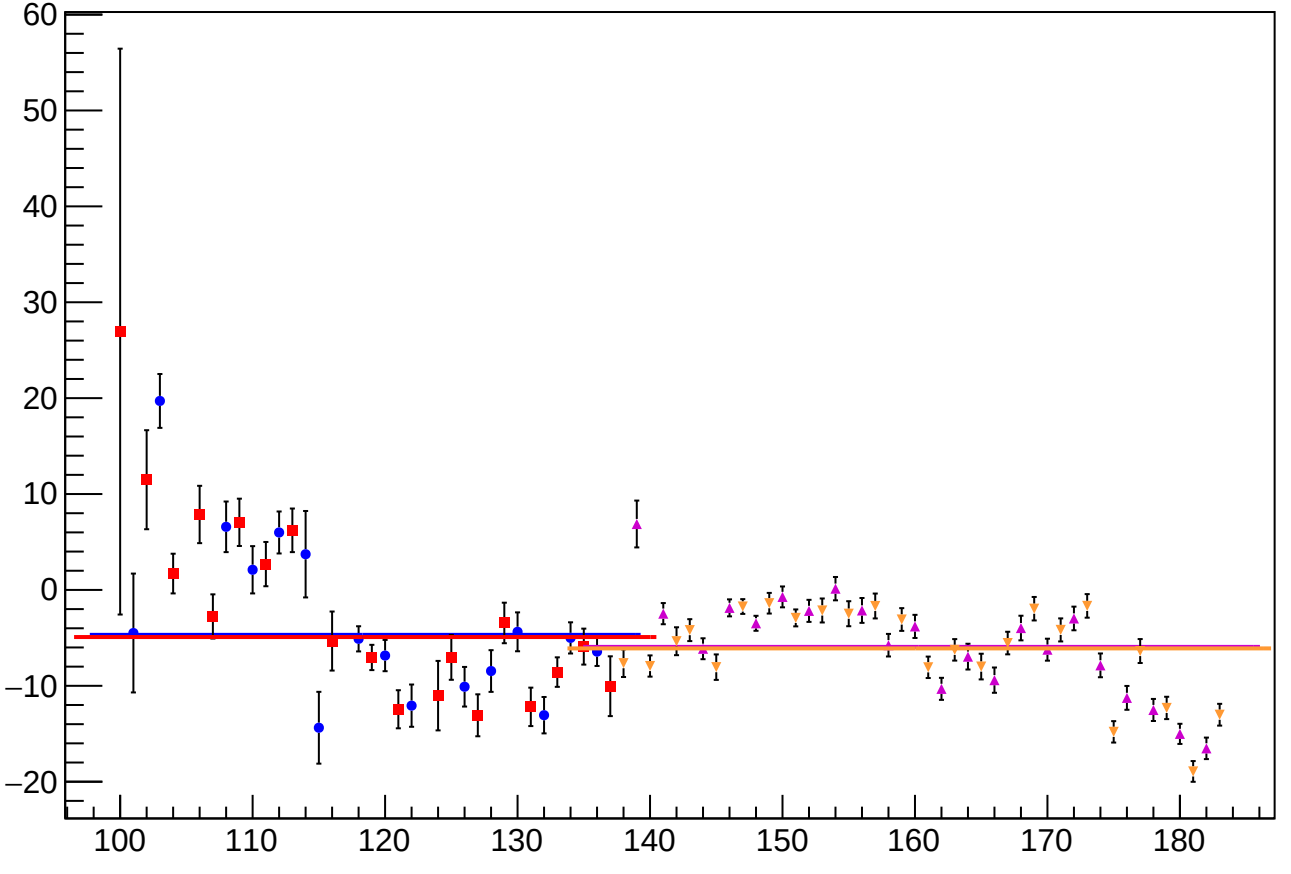
Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -3.797+/-0.268 χ^2/NDF:1613.8/37

Out: -2.893+/-0.259 χ^2/NDF:2339.3/42

All: -3.329+/-0.186 χ^2/NDF: 3959.0/80

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -6.099+/-0.235 χ^2/NDF:408.6/23

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -5.941+/-0.245 χ^2/NDF:385.8/21

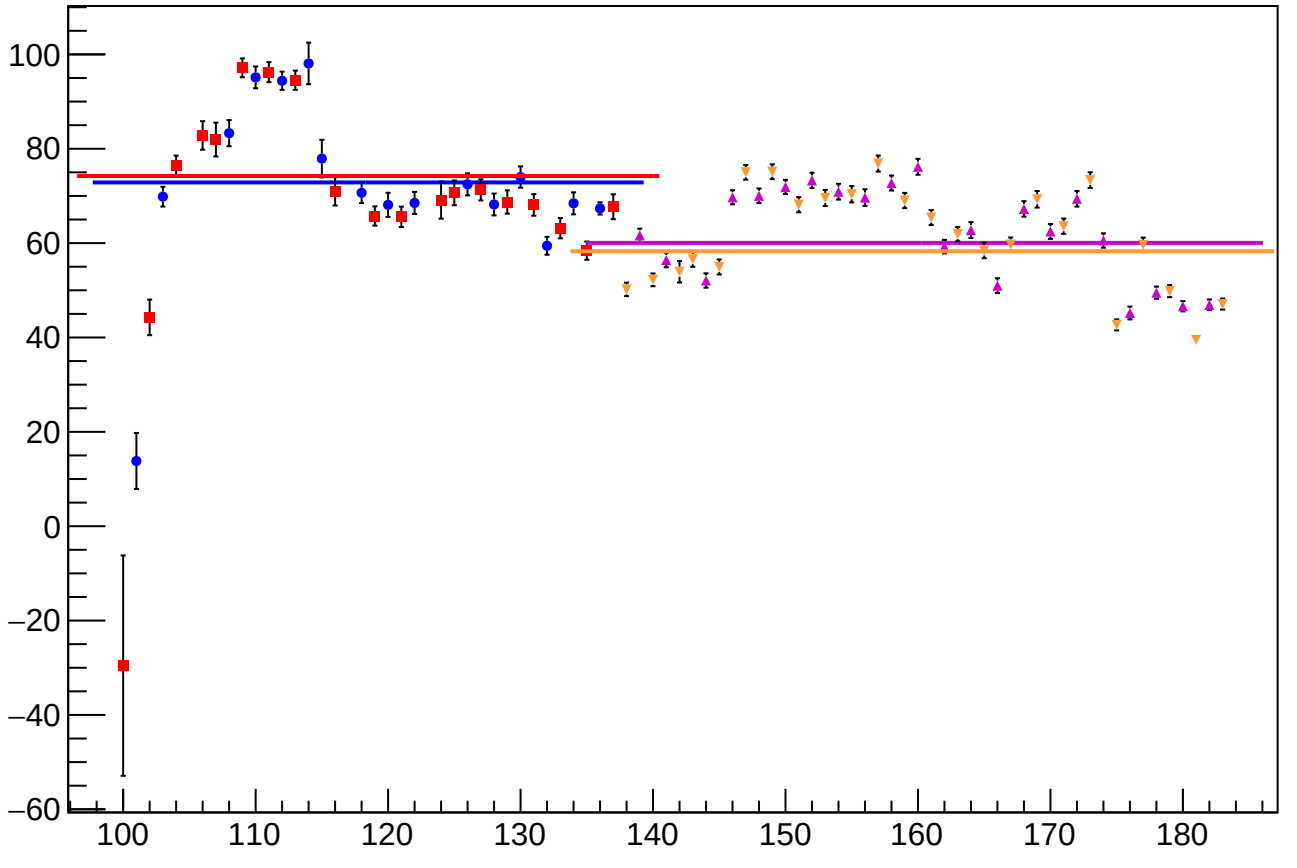
Left: -6.023+/-0.169 χ^2/NDF: 794.7/45

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -5.711+/-0.221 χ^2/NDF:569.7/37

Out: -5.893+/-0.213 χ^2/NDF:568.9/42

All: -5.806+/-0.154 χ^2/NDF: 1139.0/80



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 58.271+/-0.305 χ^2/NDF:1393.3/23

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: 59.133+/-0.219 χ^2/NDF: 2447.6/45

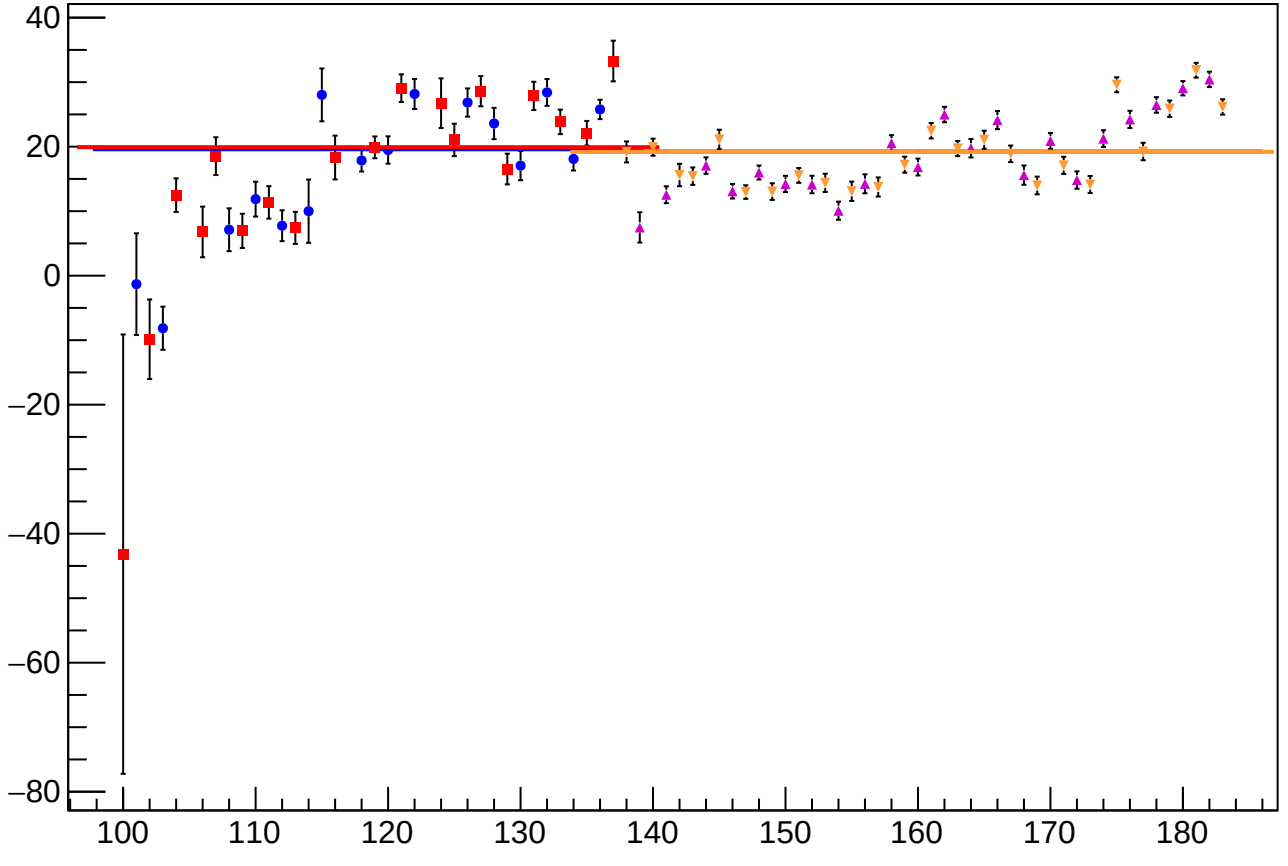
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 63.094+/-0.275 χ^2/NDF:1880.2/37

Out: 61.896+/-0.268 χ^2/NDF:2601.0/42

All: 62.479+/-0.192 χ^2/NDF: 4490.9/80

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: 19.192+/-0.266 χ^2/NDF:430.7/23

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 19.253+/-0.276 χ^2/NDF:454.8/21

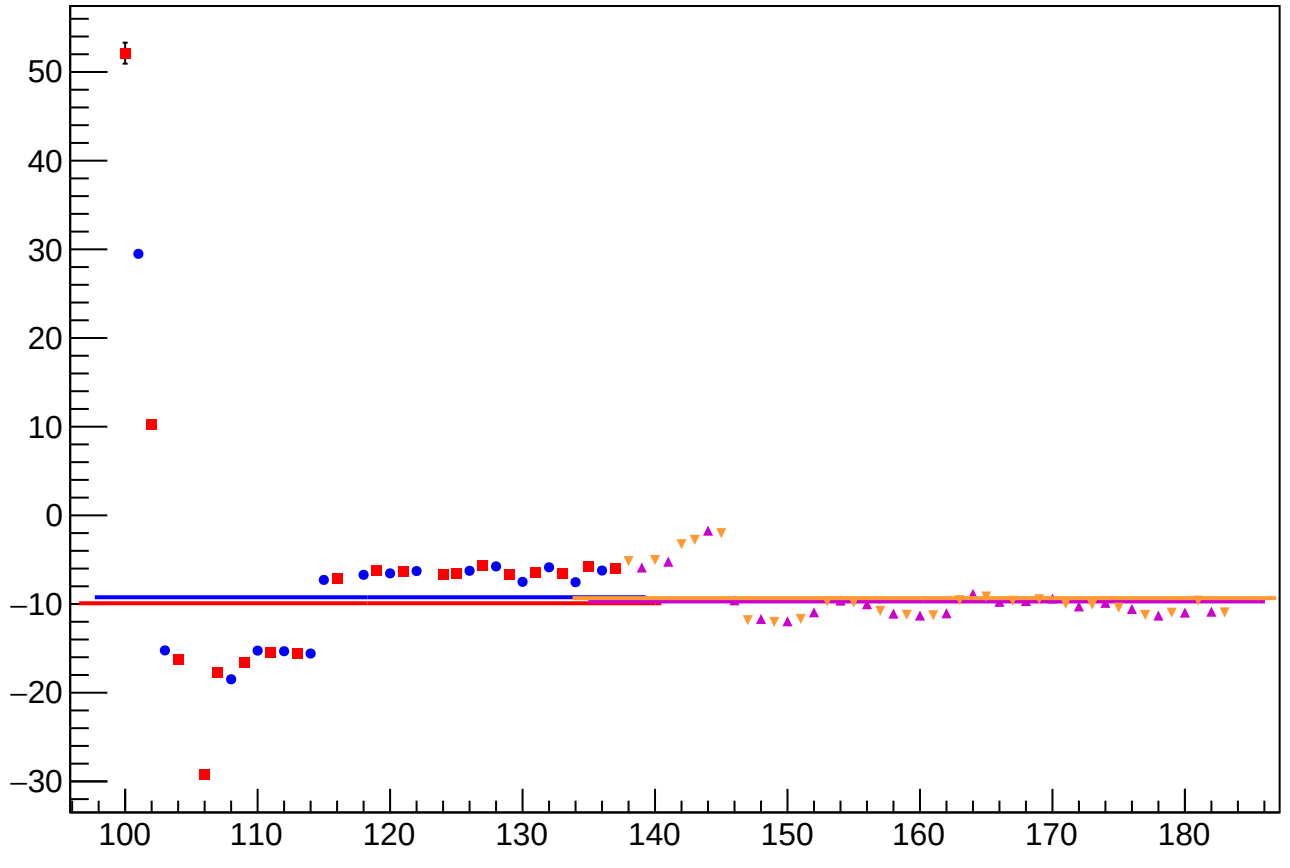
Left: 19.221+/-0.192 χ^2/NDF: 885.5/45

Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 19.316+/-0.250 χ^2/NDF:651.0/37

Out: 19.316+/-0.242 χ^2/NDF:613.3/42

All: 19.316+/-0.174 χ^2/NDF: 1264.3/80



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -9.332+/-0.012 χ^2/NDF:49222.7/23

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -9.711+/-0.012 χ^2/NDF:31876.6/21

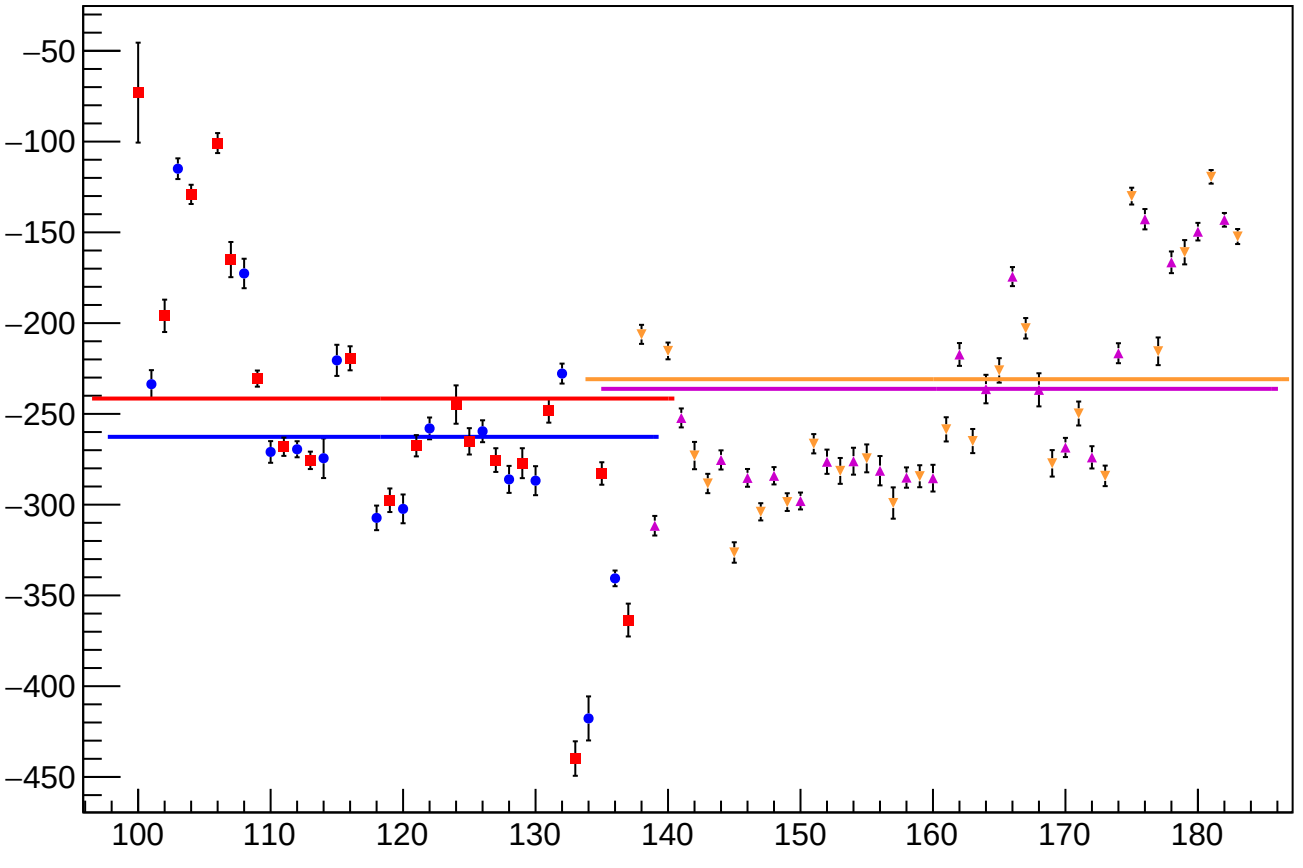
Left: -9.518+/-0.009 χ^2/NDF: 81588.2/45

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.653+/-0.011 χ^2/NDF:63220.3/37

Out: -9.395+/-0.011 χ^2/NDF:103339.5/42

All: -9.522+/-0.008 χ^2/NDF: 166816.1/80



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -230.884+/-1.152 χ^2/NDF:3198.2/23

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -236.206+/-1.193 χ^2/NDF:2431.6/21

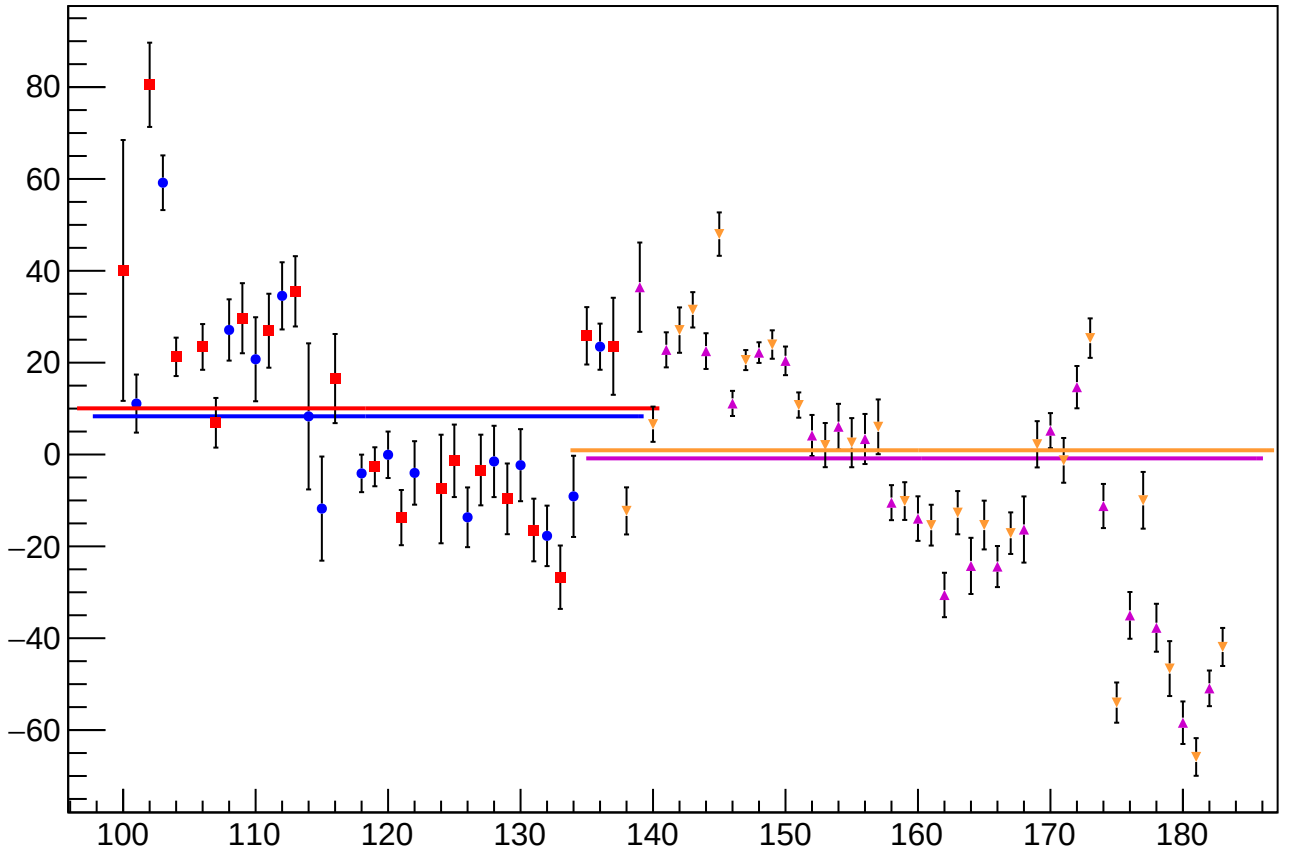
Left: -233.452+/-0.829 χ^2/NDF: 5640.0/45

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -245.547+/-0.959 χ^2/NDF:4059.4/37

Out: -234.820+/-0.915 χ^2/NDF:5368.4/42

All: -239.930+/-0.662 χ^2/NDF: 9493.3/80



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 0.923+/-0.842 χ^2/NDF:1032.2/23

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: -0.842+/-0.876 χ^2/NDF:796.8/21

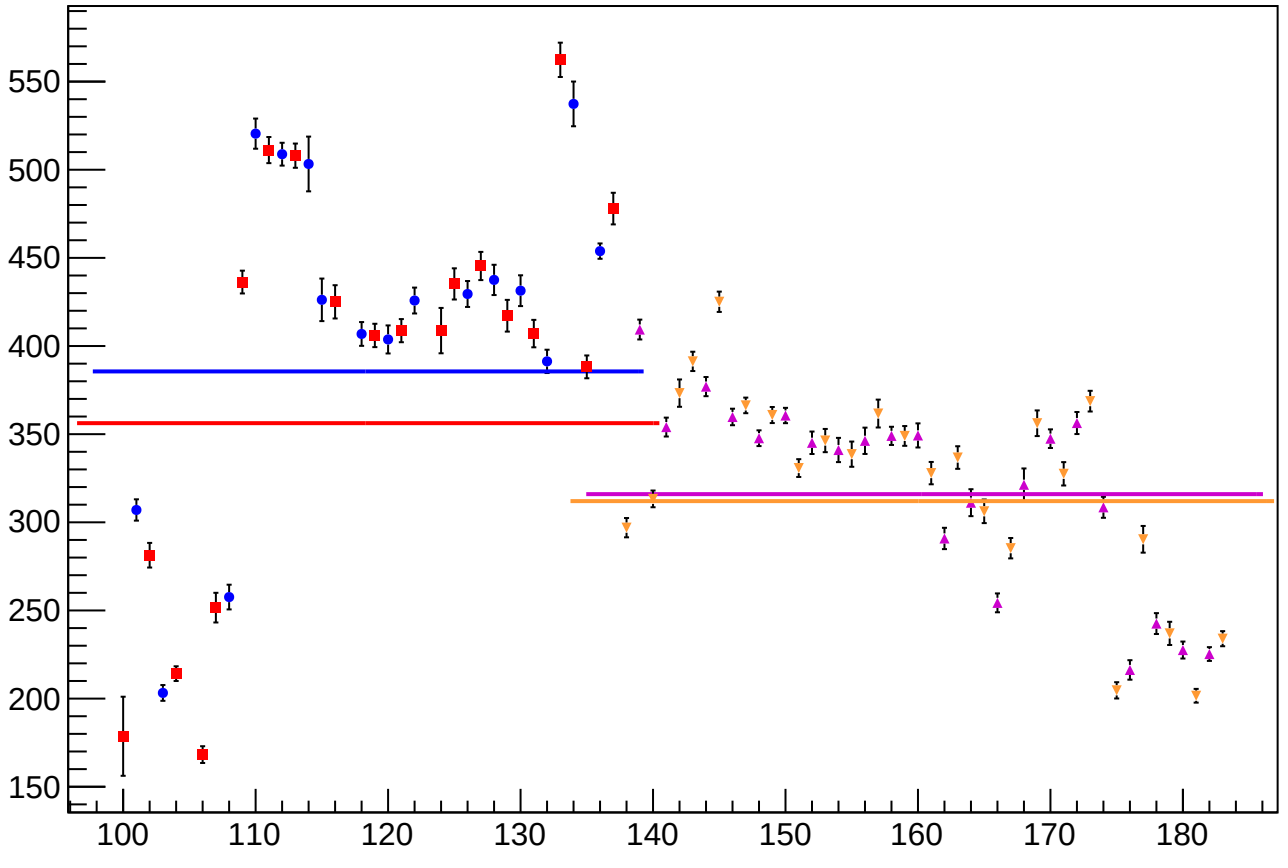
Left: 0.076+/-0.607 χ^2/NDF: 1831.1/45

Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 1.186+/-0.773 χ^2/NDF:978.6/37

Out: 3.025+/-0.738 χ^2/NDF:1246.7/42

All: 2.148+/-0.534 χ^2/NDF: 2228.3/80



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 312.023+/-1.142 χ^2/NDF:3060.3/23

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: 313.944+/-0.820 χ^2/NDF: 5460.5/45

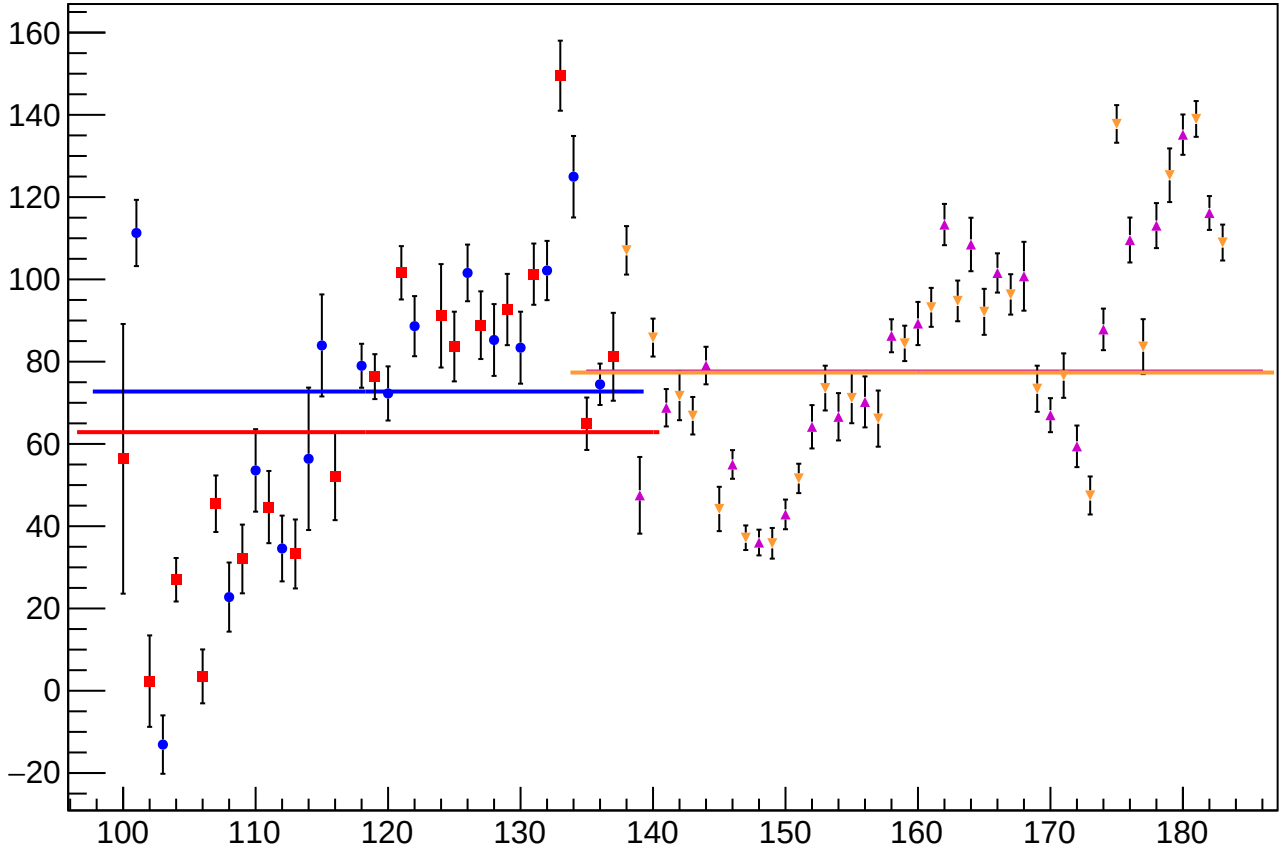
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 337.792+/-0.975 χ^2/NDF:6863.5/37

Out: 326.386+/-0.938 χ^2/NDF:8817.6/42

All: 331.870+/-0.676 χ^2/NDF: 15752.1/80

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: 77.359+/-0.973 χ^2/NDF:1006.8/23

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 77.600+/-1.007 χ^2/NDF:778.7/21

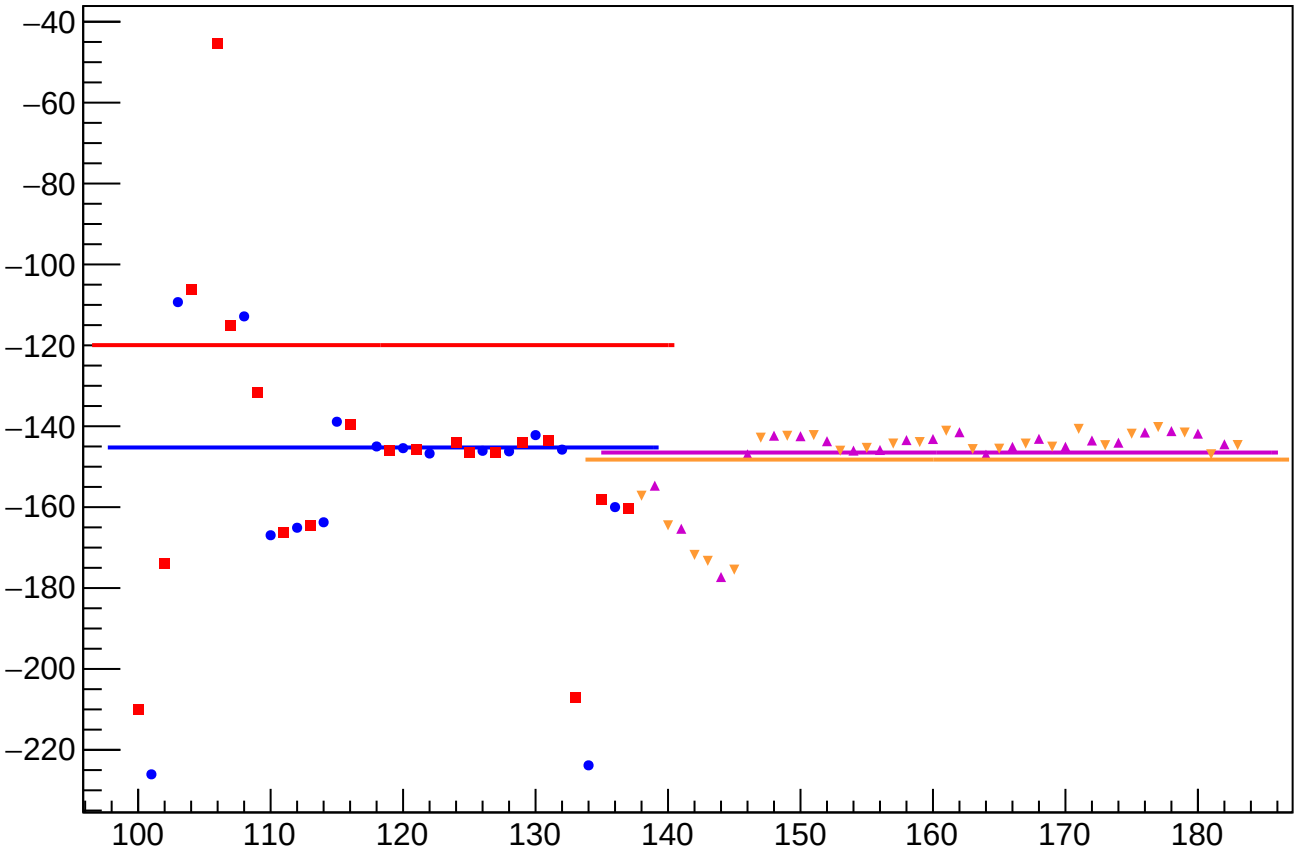
Left: 77.475+/-0.700 χ^2/NDF: 1785.5/45

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 76.531+/-0.889 χ^2/NDF:1088.1/37

Out: 74.065+/-0.856 χ^2/NDF:1460.8/42

All: 75.250+/-0.617 χ^2/NDF: 2552.9/80



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -148.243+/-0.046 χ^2/NDF:48682.6/23

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -146.500+/-0.046 χ^2/NDF:29161.3/21

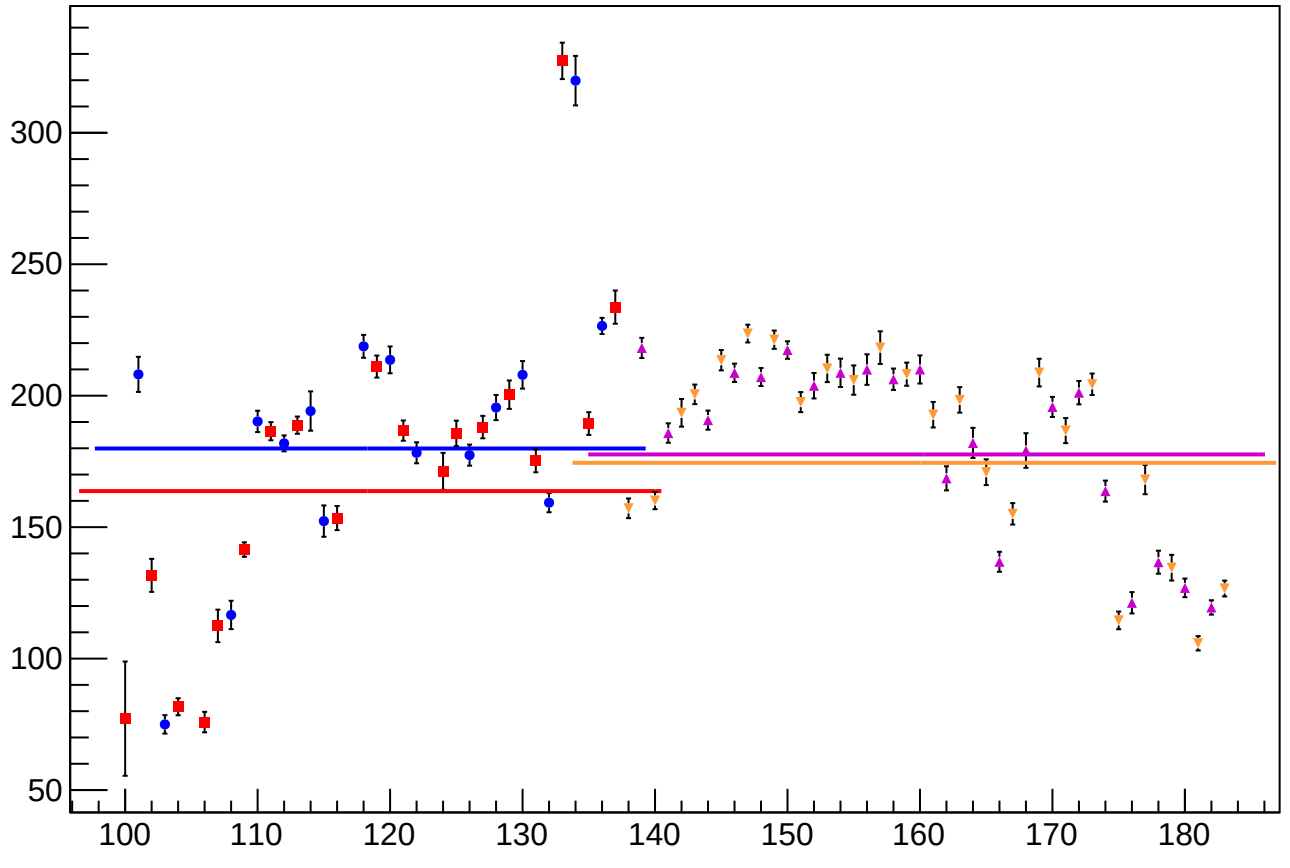
Left: -147.382+/-0.032 χ^2/NDF: 78568.2/45

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -146.274+/-0.042 χ^2/NDF:161351.9/37

Out: -142.372+/-0.041 χ^2/NDF:399198.3/42

All: -144.267+/-0.029 χ^2/NDF: 565051.8/80



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 174.464+/-0.828 χ^2/NDF:2253.2/23

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 177.659+/-0.859 χ^2/NDF:1725.6/21

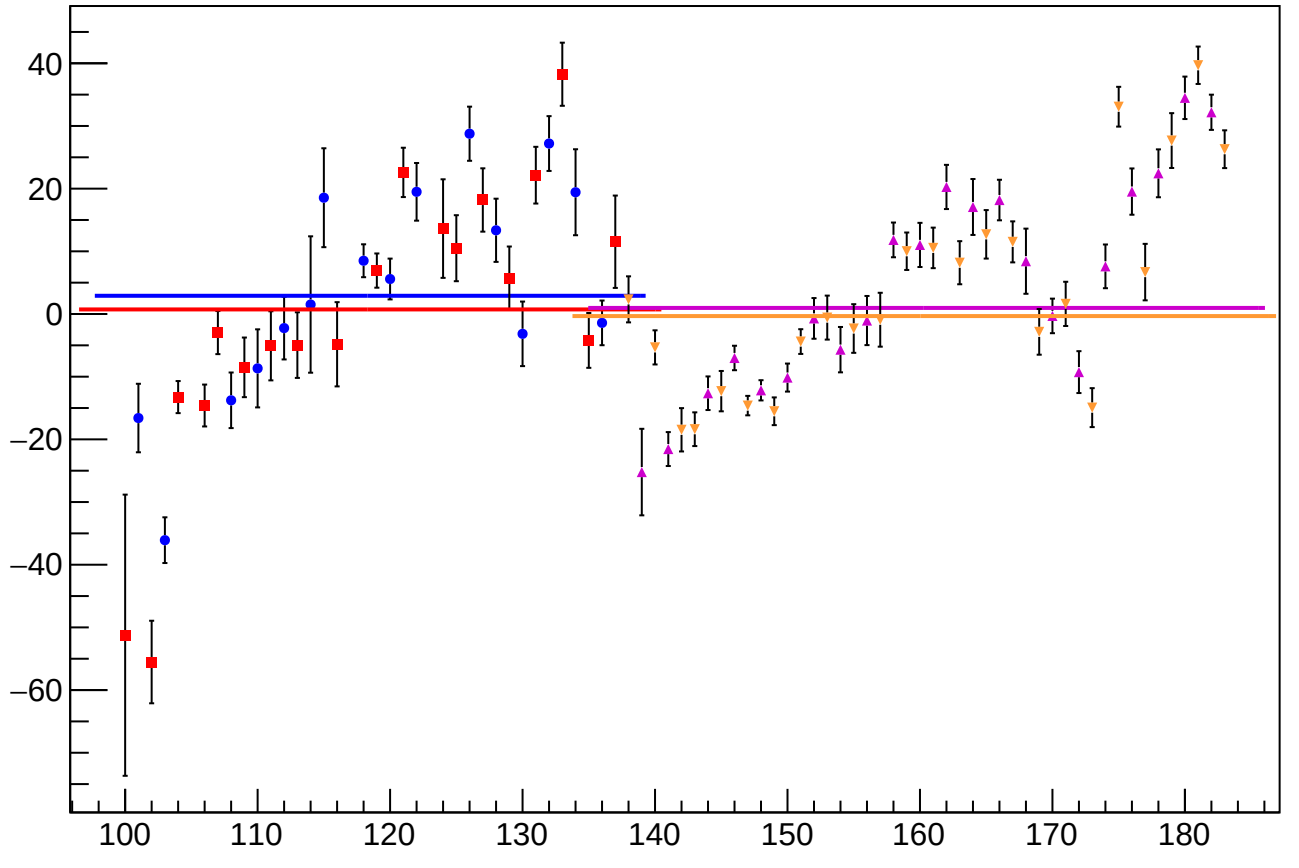
Left: 176.003+/-0.596 χ^2/NDF: 3985.9/45

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 178.526+/-0.674 χ^2/NDF:3460.9/37

Out: 170.095+/-0.638 χ^2/NDF:4738.4/42

All: 174.077+/-0.464 χ^2/NDF: 8281.8/80



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -0.331+/-0.604 χ^2/NDF:715.5/23

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: 0.970+/-0.631 χ^2/NDF:609.5/21

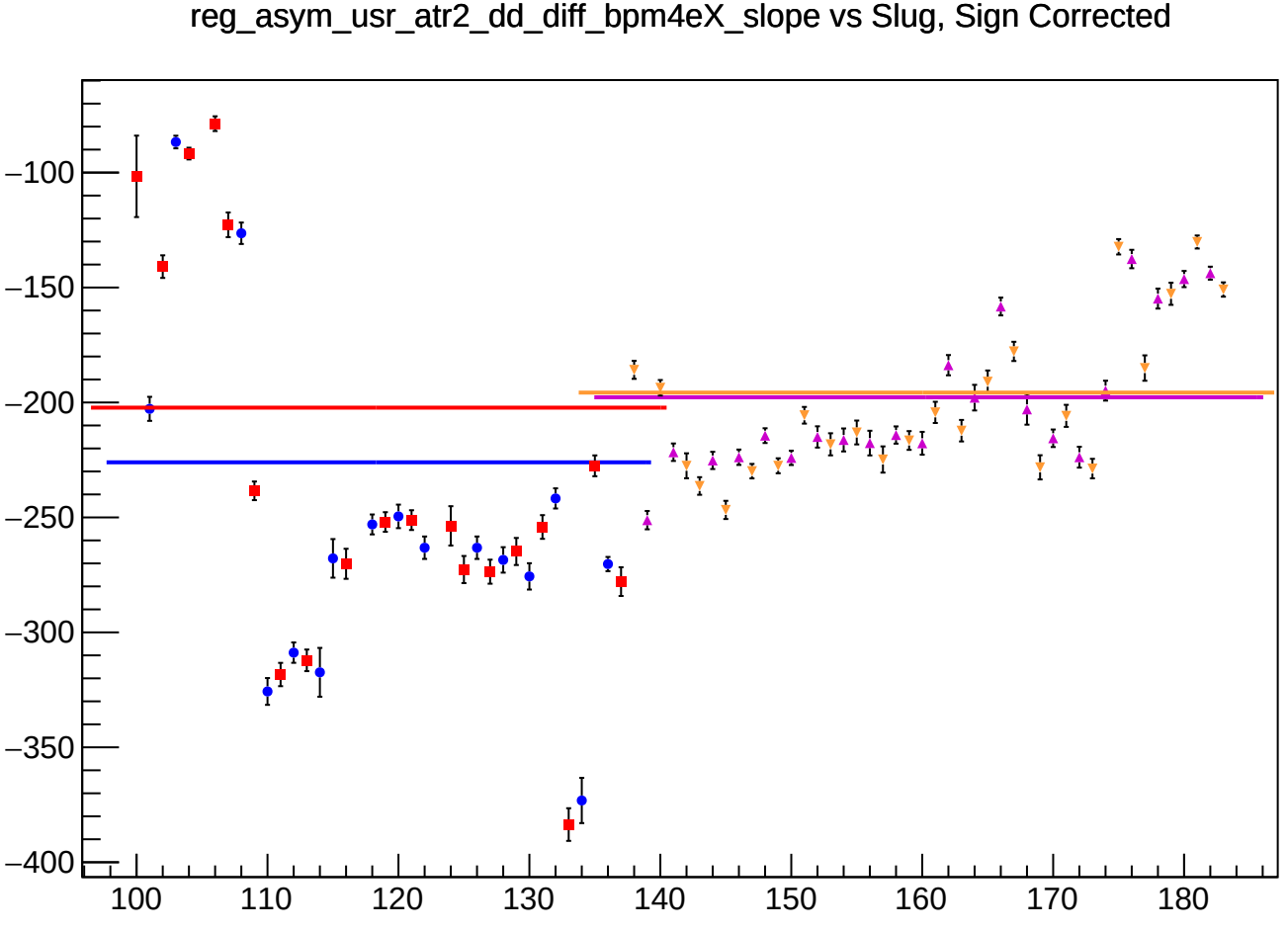
Left: 0.291+/-0.436 χ^2/NDF: 1327.2/45

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: 1.446+/-0.548 χ^2/NDF:859.3/37

Out: -0.053+/-0.519 χ^2/NDF:989.9/42

All: 0.656+/-0.377 χ^2/NDF: 1853.1/80



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -195.699+/-0.821 χ^2/NDF:1948.3/23

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -197.761+/-0.848 χ^2/NDF:1579.9/21

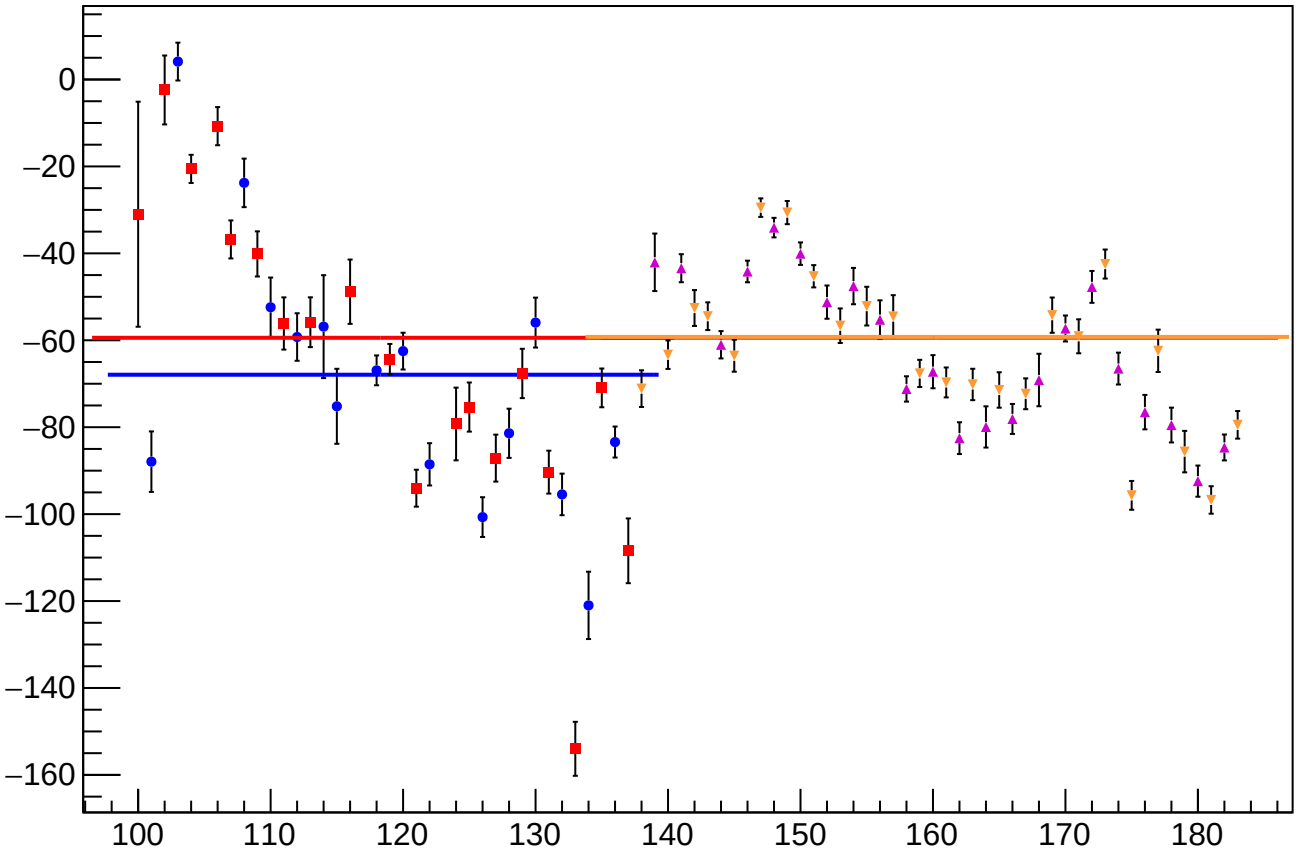
Left: -196.697+/-0.590 χ^2/NDF: 3531.3/45

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -207.440+/-0.688 χ^2/NDF:6499.5/37

Out: -198.079+/-0.655 χ^2/NDF:8662.2/42

All: -202.535+/-0.474 χ^2/NDF: 15258.8/80



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -59.220+/-0.699 χ^2/NDF:767.7/23

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -59.402+/-0.726 χ^2/NDF:591.7/21

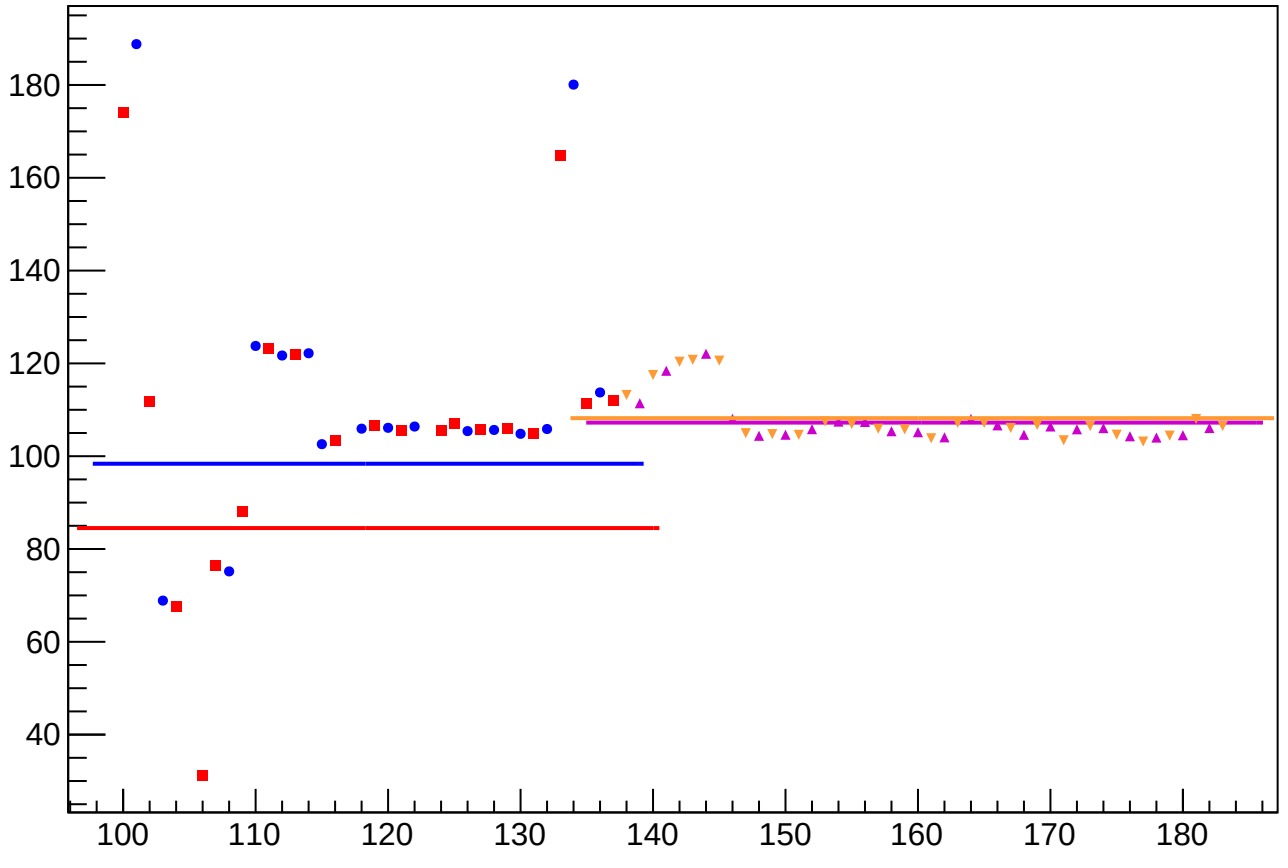
Left: -59.308+/-0.504 χ^2/NDF: 1359.4/45

Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -61.480+/-0.631 χ^2/NDF:1159.4/37

Out: -59.274+/-0.602 χ^2/NDF:1562.5/42

All: -60.325+/-0.436 χ^2/NDF: 2728.4/80



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.199+/-0.033 χ^2/NDF:26223.6/23

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.242+/-0.033 χ^2/NDF:16855.5/21

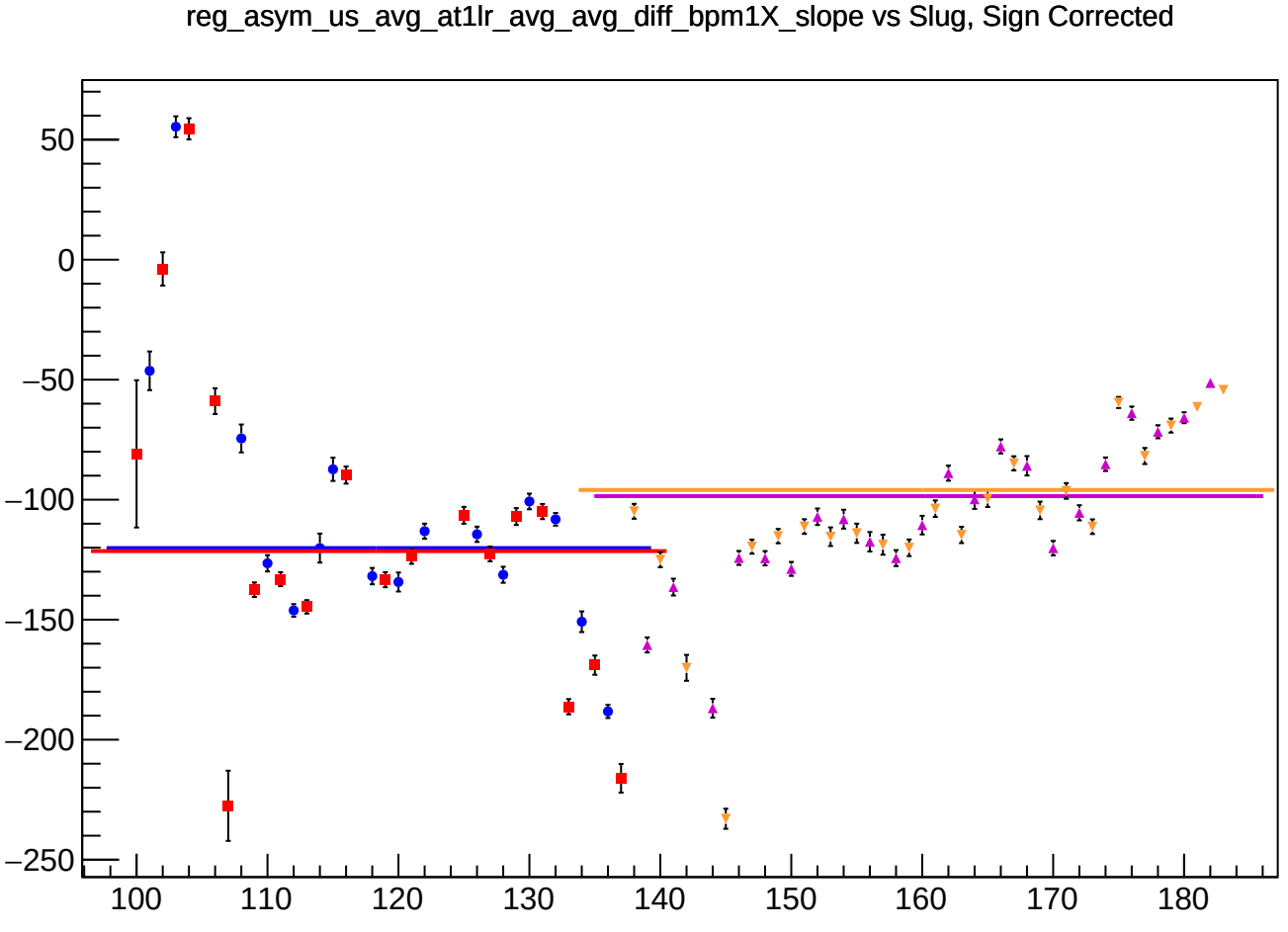
Left: 107.727+/-0.023 χ^2/NDF: 43500.0/45

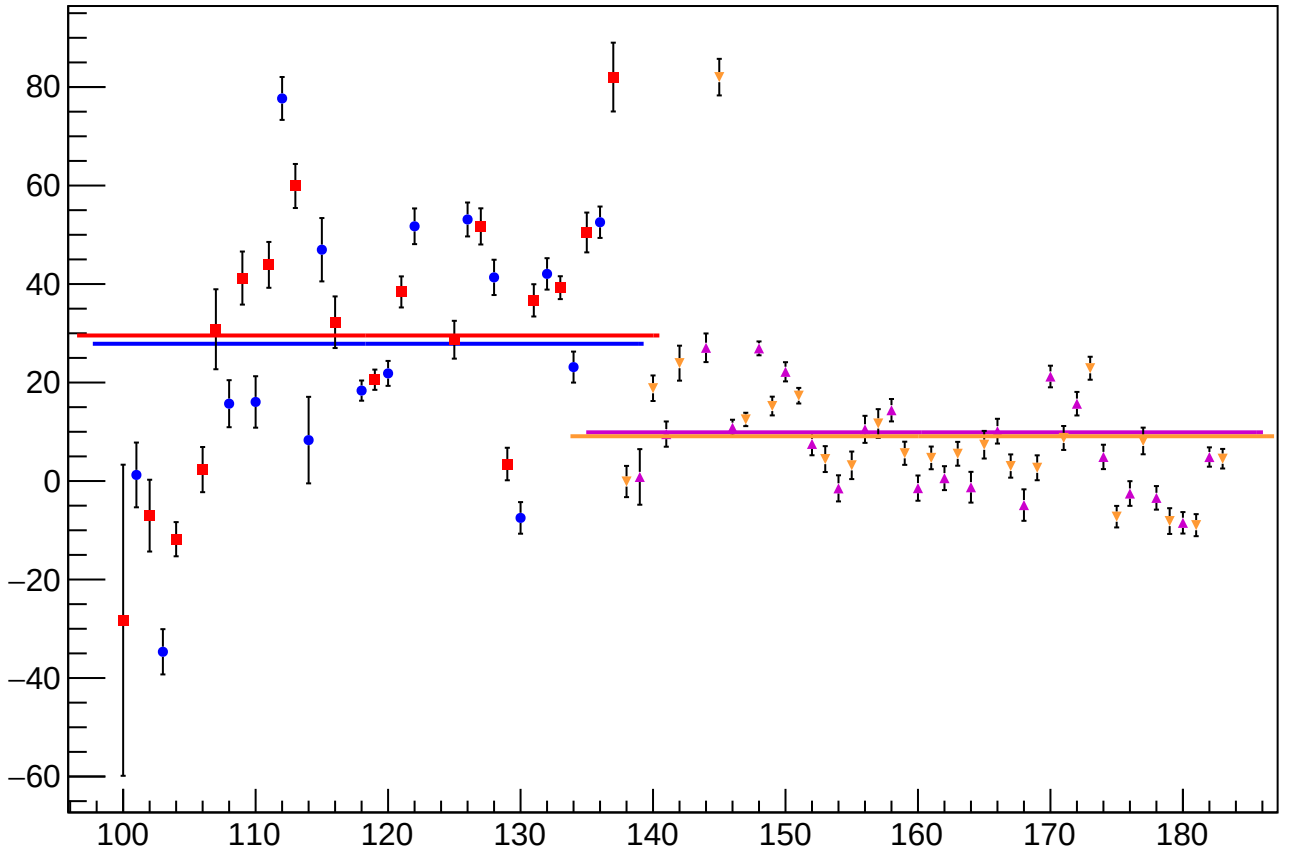
Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.453+/-0.030 χ^2/NDF:259657.9/37

Out: 102.845+/-0.029 χ^2/NDF:413268.8/42

All: 104.112+/-0.021 χ^2/NDF: 676901.1/80


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
180
Right In: -120.177+/-0.891 χ²/NDF: 2691.2/15
Left Out: -95.950+/-0.641 χ²/NDF:2770.2/22
Right Out: -121.418+/-0.875 χ²/NDF: 3126.3/17
Left In: -98.529+/-0.649 χ²/NDF:2593.2/21
Left: -97.223+/-0.456 χ²/NDF: 5371.4/44
Right: -120.808+/-0.624 χ²/NDF: 5818.5/33
In: -106.043+/-0.525 χ²/NDF:5670.2/37
Out: -104.847+/-0.517 χ²/NDF:6447.4/40
All: -105.437+/-0.368 χ²/NDF: 12120.3/78



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 9.093+/-0.482 χ^2/NDF:703.6/22

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: 9.483+/-0.344 χ^2/NDF: 1190.2/44

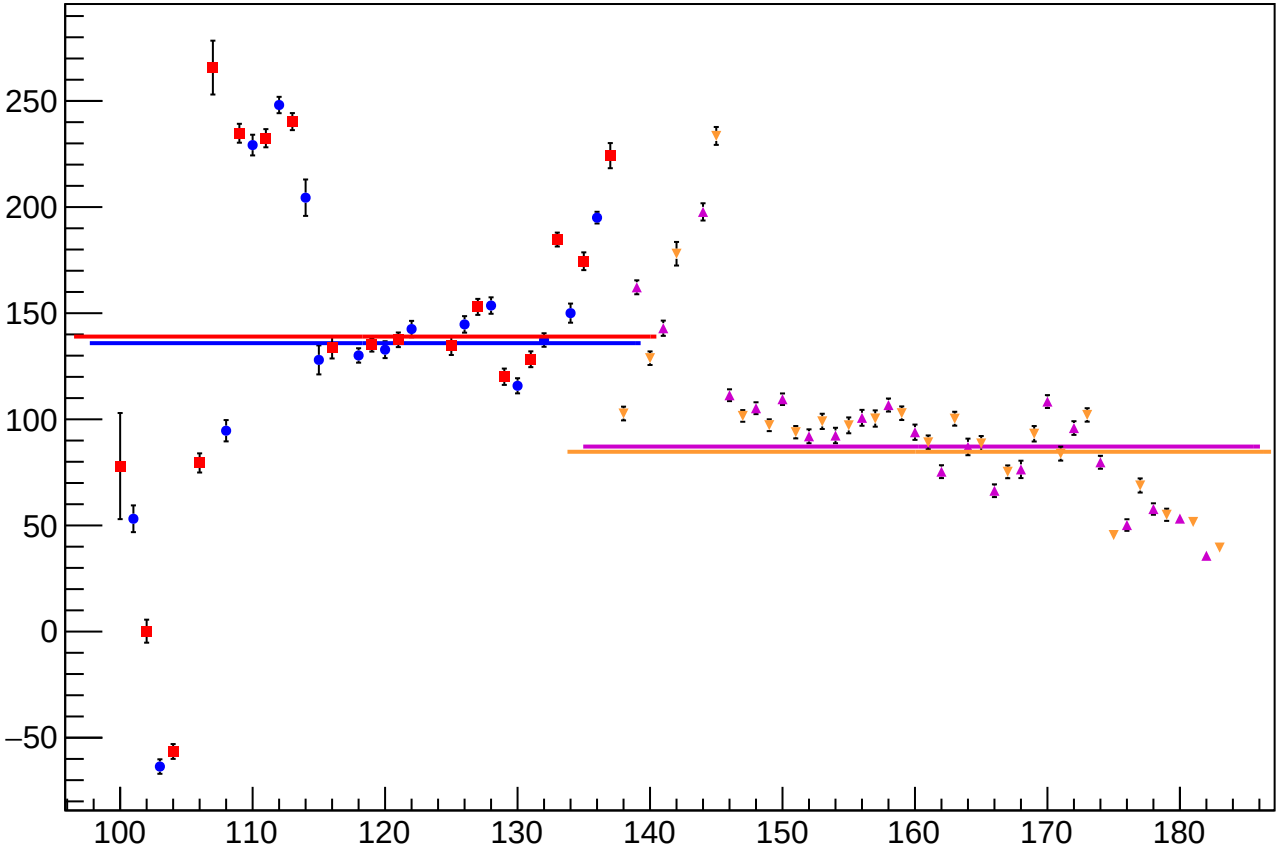
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 14.108+/-0.430 χ^2/NDF:1498.7/37

Out: 13.732+/-0.424 χ^2/NDF:1610.0/40

All: 13.917+/-0.302 χ^2/NDF: 3109.1/78

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 84.716+/-0.635 χ^2/NDF:3110.2/22

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: 85.929+/-0.451 χ^2/NDF: 6210.1/44

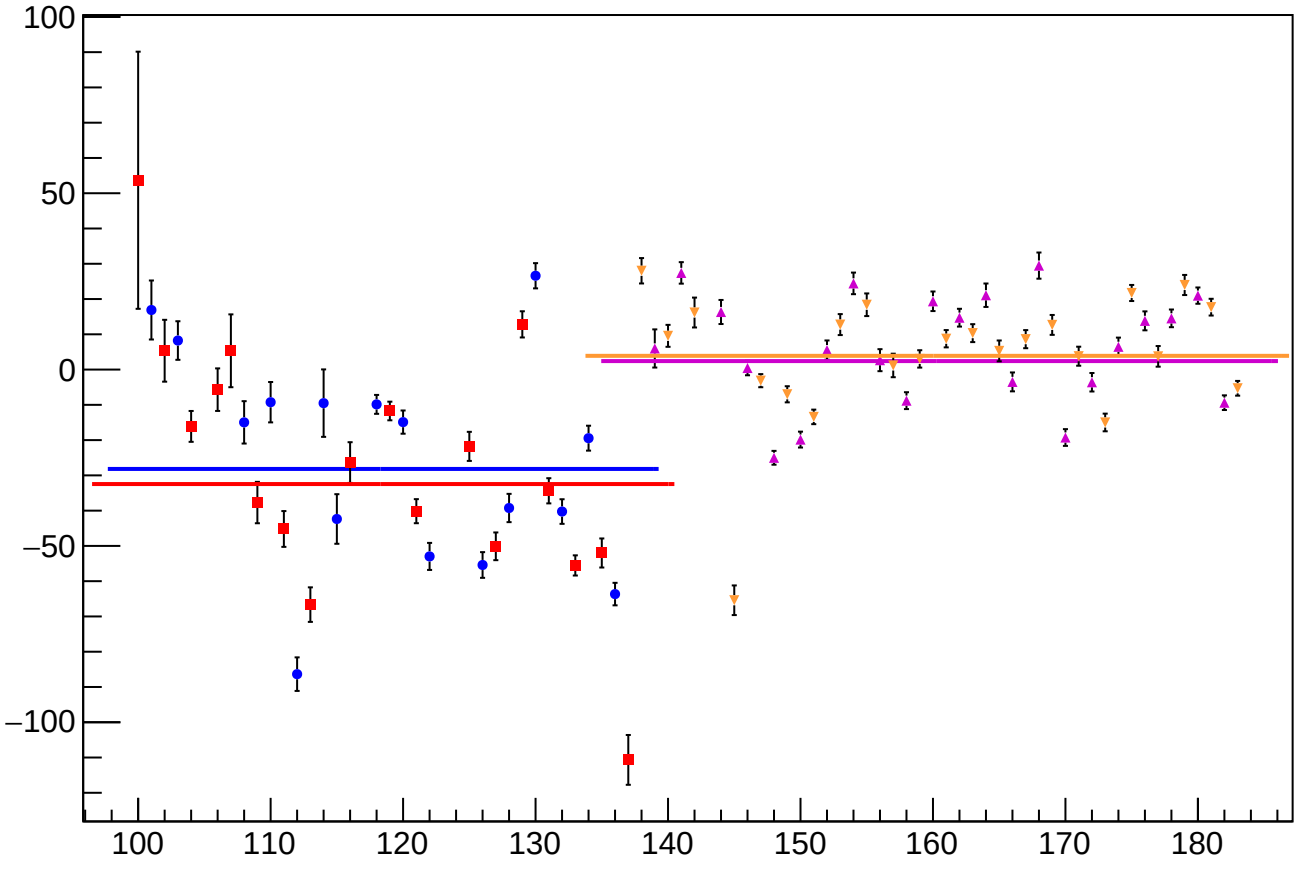
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 101.404+/-0.540 χ^2/NDF:10240.9/37

Out: 100.348+/-0.536 χ^2/NDF:11370.7/40

All: 100.872+/-0.380 χ^2/NDF: 21613.5/78

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: 3.897+/-0.549 χ^2/NDF:710.6/22

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: 3.163+/-0.391 χ^2/NDF: 1548.0/44

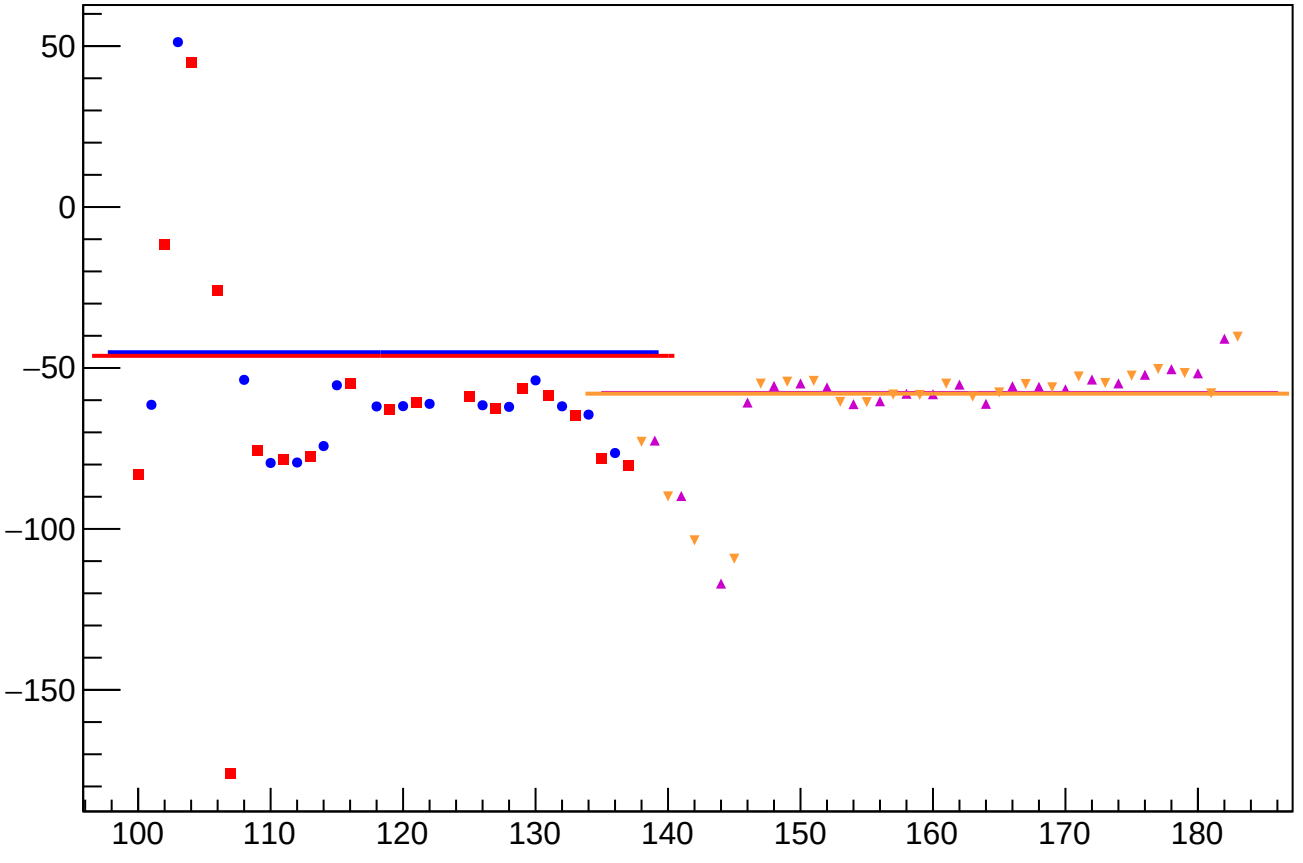
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -4.609+/-0.490 χ^2/NDF:2314.6/37

Out: -4.171+/-0.484 χ^2/NDF:2265.8/40

All: -4.387+/-0.344 χ^2/NDF: 4580.9/78

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: -57.976+/-0.025 χ^2/NDF:254158.2/22

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: -57.867+/-0.018 χ^2/NDF: 472465.9/44

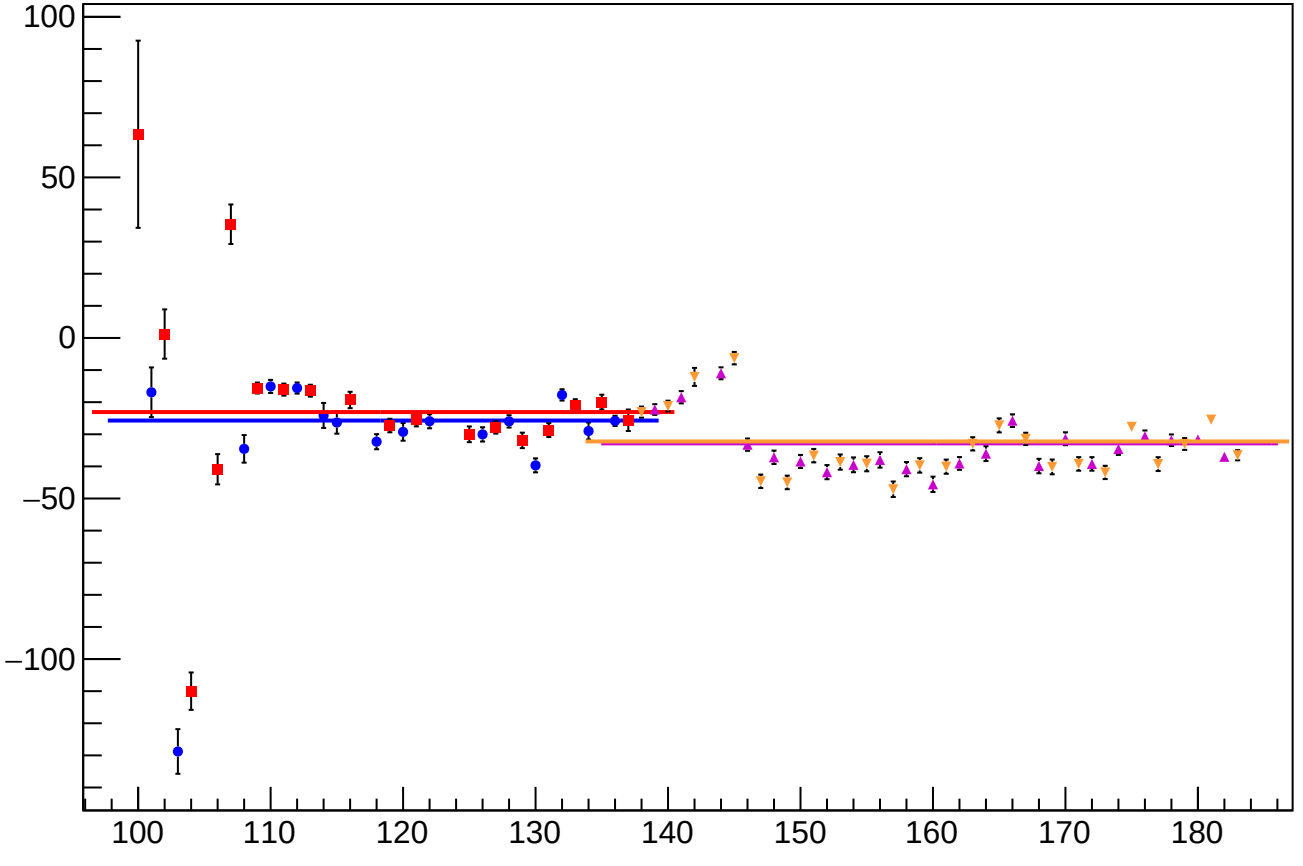
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -55.882+/-0.023 χ^2/NDF:831157.3/37

Out: -56.351+/-0.023 χ^2/NDF:778132.1/40

All: -56.116+/-0.016 χ^2/NDF: 1609493.6/78

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -32.235+/-0.409 χ^2/NDF:558.5/22

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.822+/-0.416 χ^2/NDF:372.7/21

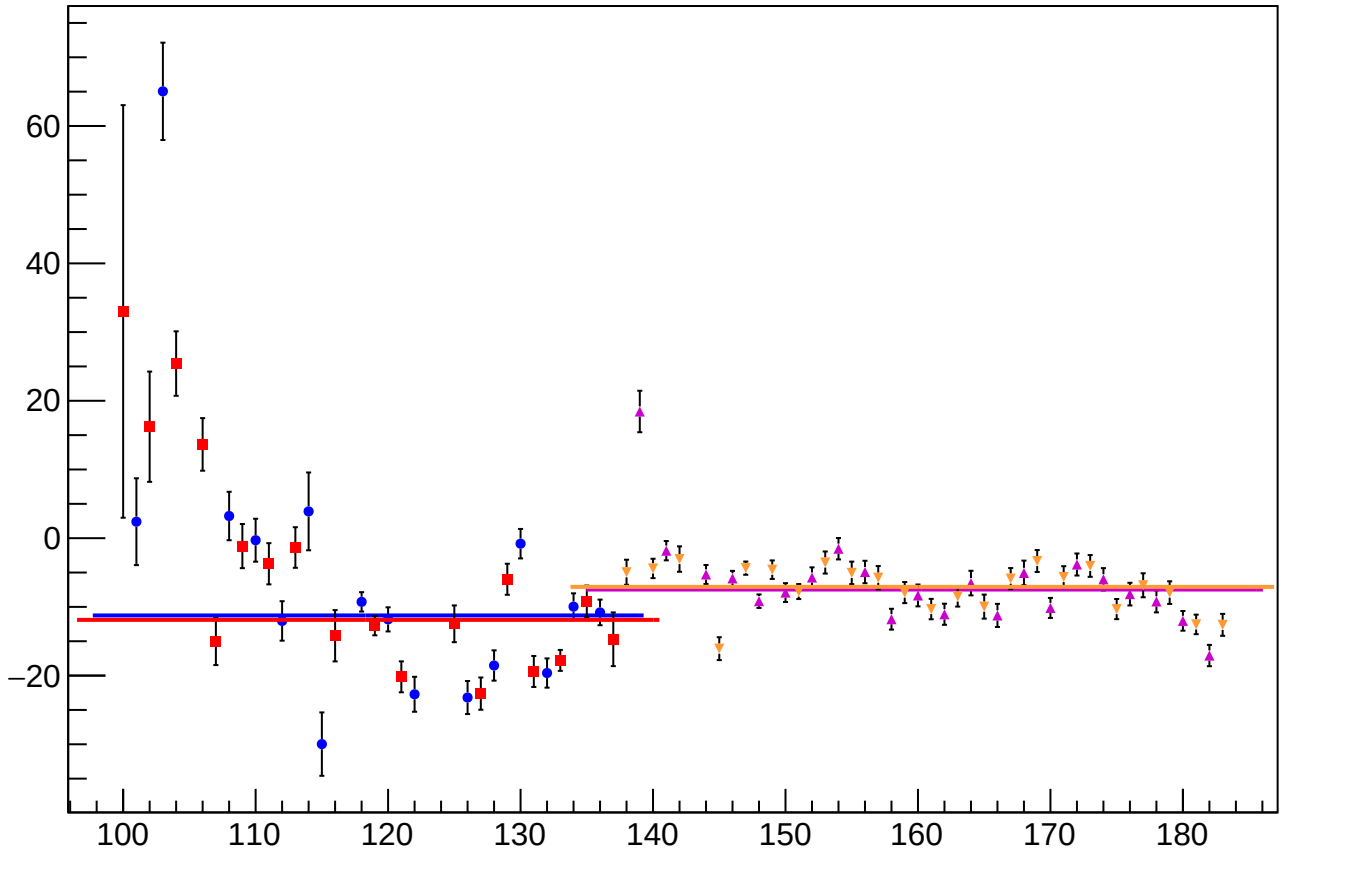
Left: -32.523+/-0.292 χ^2/NDF: 932.3/44

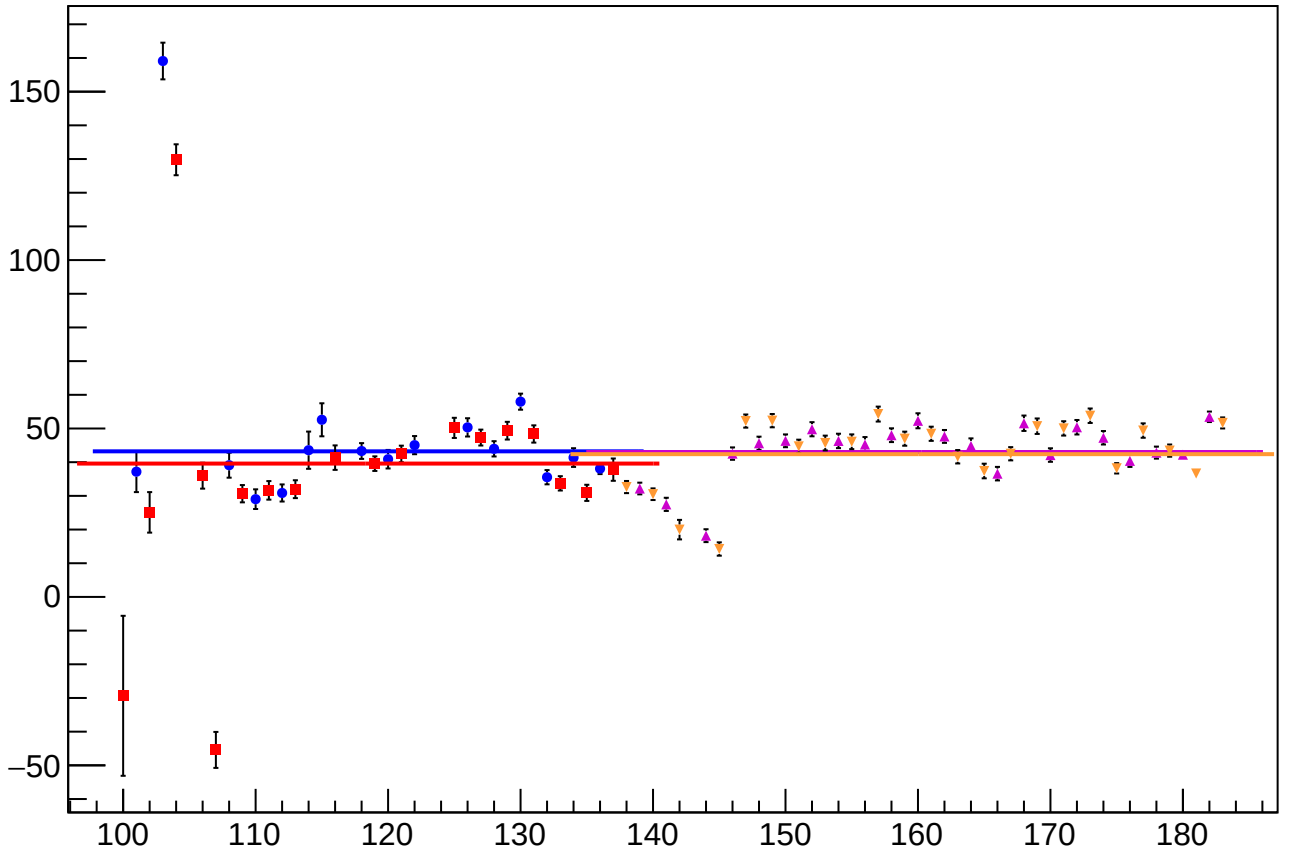
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -30.464+/-0.340 χ^2/NDF:832.4/37

Out: -29.204+/-0.335 χ^2/NDF:1161.3/40

All: -29.824+/-0.239 χ^2/NDF: 2000.6/78


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
Right In: -11.246+/-0.600 χ²/NDF: 271.1/15
Left Out: -7.086+/-0.311 χ²/NDF:109.0/22
Right Out: -11.890+/-0.607 χ²/NDF: 224.5/17
Left In: -7.475+/-0.317 χ²/NDF:196.4/21
Left: -7.277+/-0.222 χ²/NDF: 306.1/44
Right: -11.564+/-0.427 χ²/NDF: 496.1/33
In: -8.300+/-0.281 χ²/NDF:498.3/37
Out: -8.084+/-0.277 χ²/NDF:383.0/40
All: -8.191+/-0.197 χ²/NDF: 881.7/78



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 42.384+/-0.406 χ^2/NDF:565.6/22

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: 42.697+/-0.289 χ^2/NDF: 973.7/44

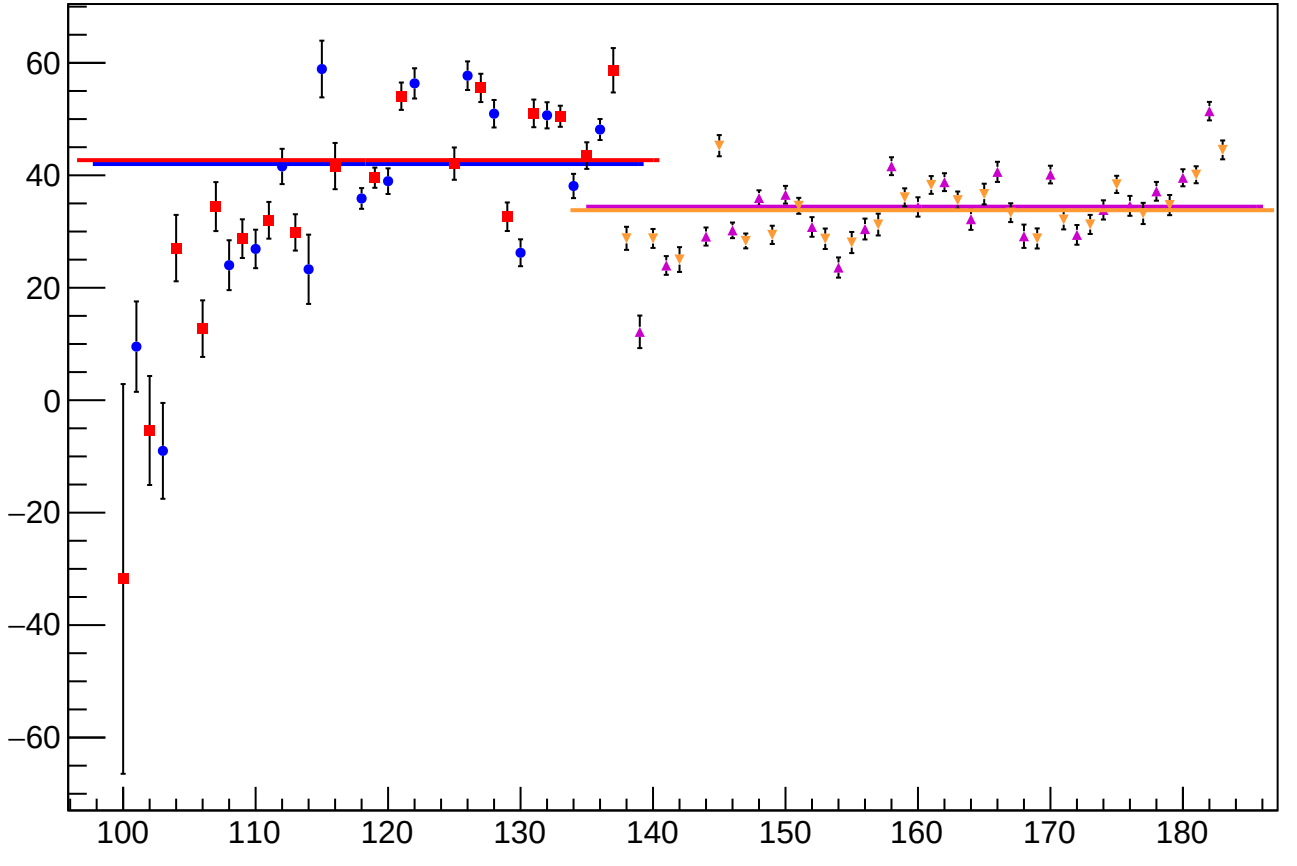
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 43.074+/-0.352 χ^2/NDF:983.0/37

Out: 41.657+/-0.349 χ^2/NDF:1331.9/40

All: 42.360+/-0.248 χ^2/NDF: 2323.1/78

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 33.794+/-0.353 χ^2/NDF:203.9/22

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: 34.101+/-0.252 χ^2/NDF: 562.5/44

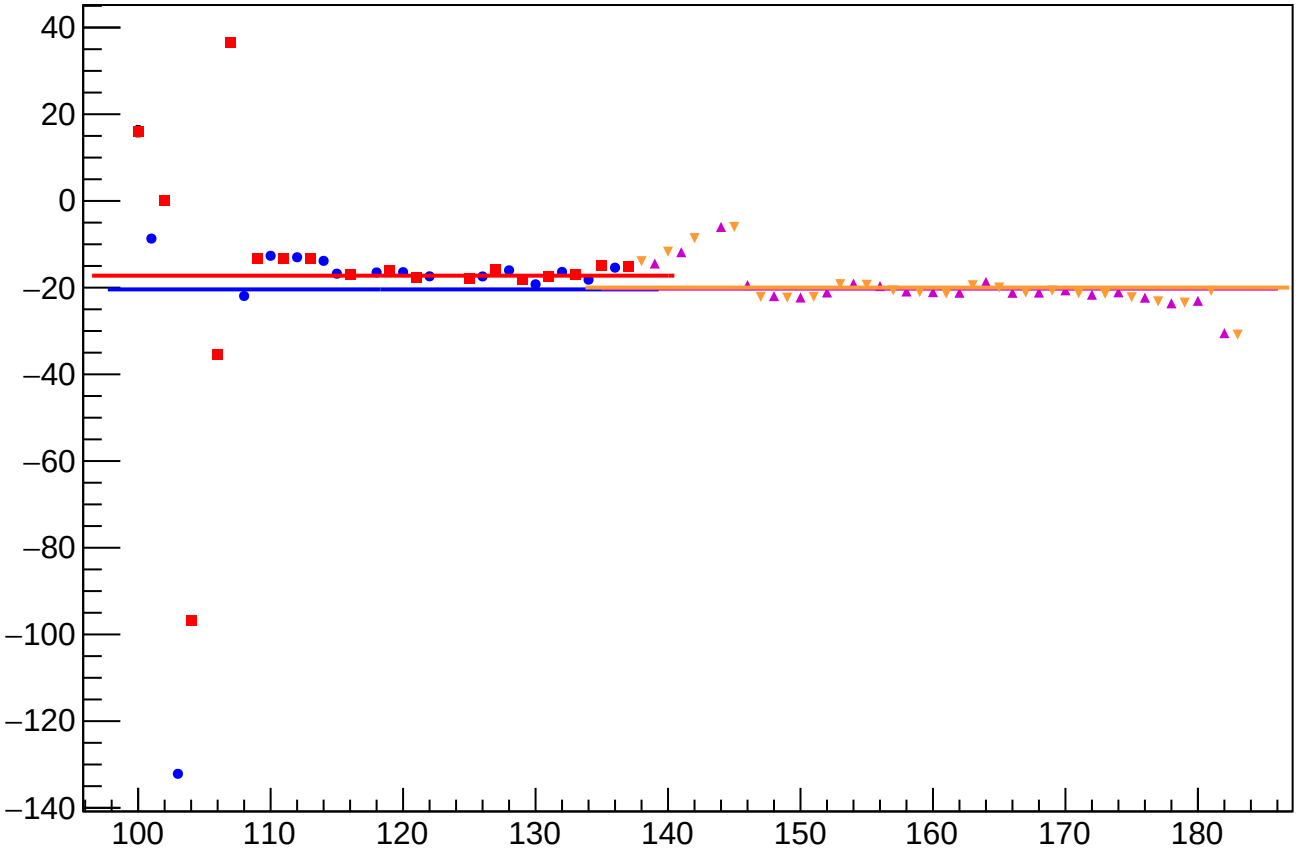
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 36.061+/-0.318 χ^2/NDF:726.2/37

Out: 35.619+/-0.315 χ^2/NDF:564.8/40

All: 35.838+/-0.224 χ^2/NDF: 1292.0/78

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: -19.987+/-0.016 χ^2/NDF:91128.9/22

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: -20.106+/-0.011 χ^2/NDF: 166039.7/44

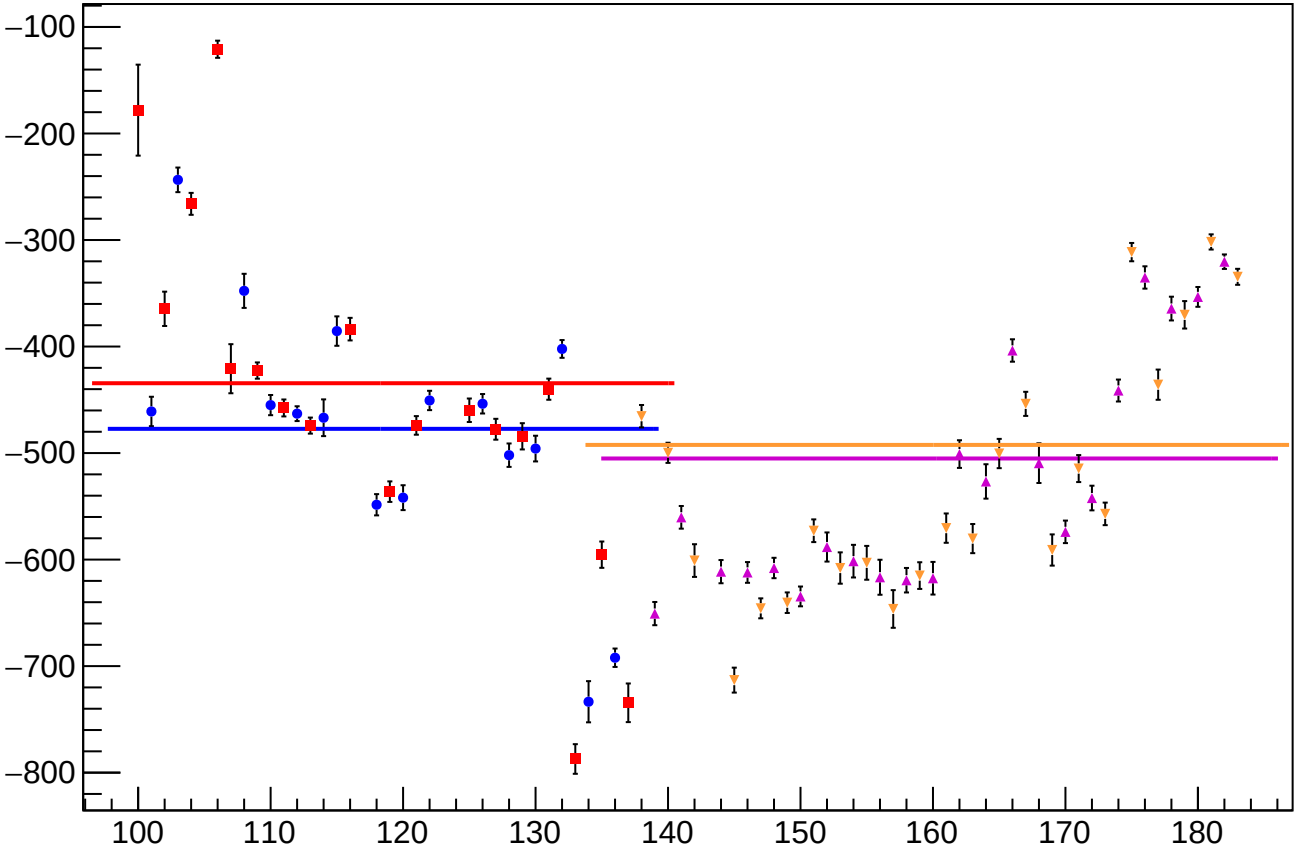
Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -20.249+/-0.015 χ^2/NDF:320425.2/37

Out: -19.670+/-0.015 χ^2/NDF:299229.7/40

All: -19.961+/-0.011 χ^2/NDF: 620406.4/78

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -492.347+/-2.317 χ^2/NDF:3131.1/22

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -505.092+/-2.346 χ^2/NDF:2616.8/21

Left: -498.639+/-1.648 χ^2/NDF: 5762.9/44

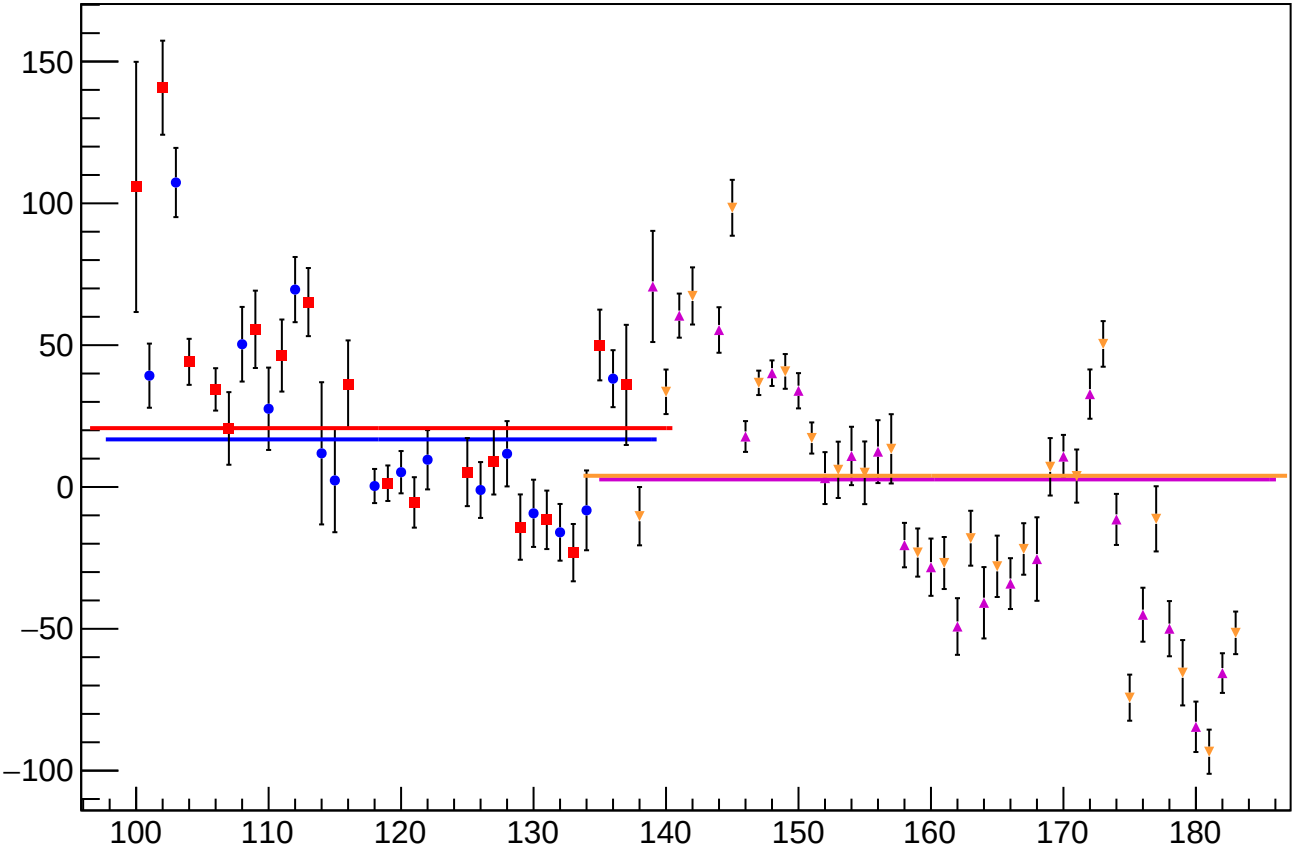
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -492.772+/-1.752 χ^2/NDF:4189.9/37

Out: -465.173+/-1.688 χ^2/NDF:6586.2/40

All: -478.460+/-1.215 χ^2/NDF: 10904.9/78

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: 3.955+/-1.708 χ^2/NDF:666.6/22

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: 3.326+/-1.219 χ^2/NDF: 1219.8/44

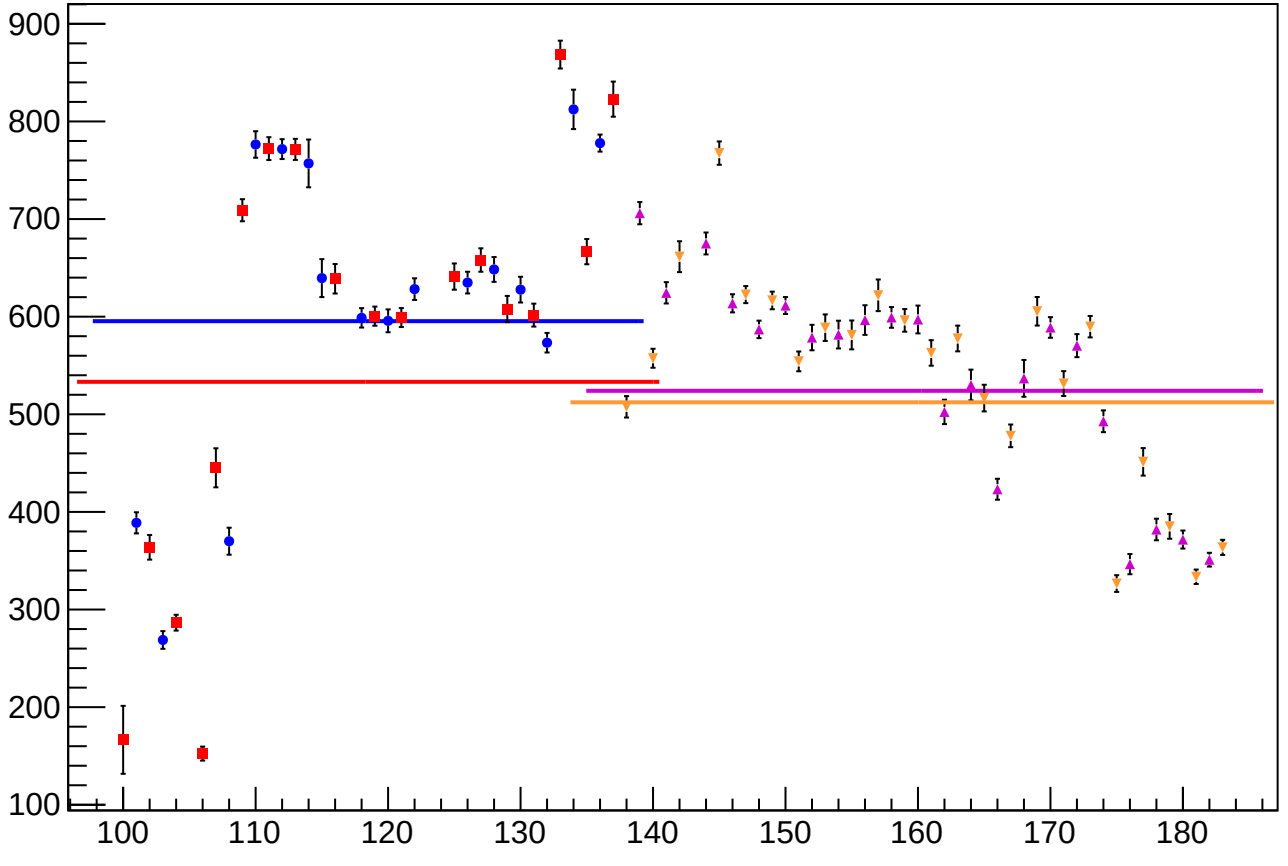
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 6.914+/-1.455 χ^2/NDF:697.7/37

Out: 9.160+/-1.419 χ^2/NDF:854.5/40

All: 8.066+/-1.016 χ^2/NDF: 1553.4/78

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: 512.285+/-2.297 χ^2/NDF:2709.0/22

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: 518.115+/-1.632 χ^2/NDF: 5108.1/44

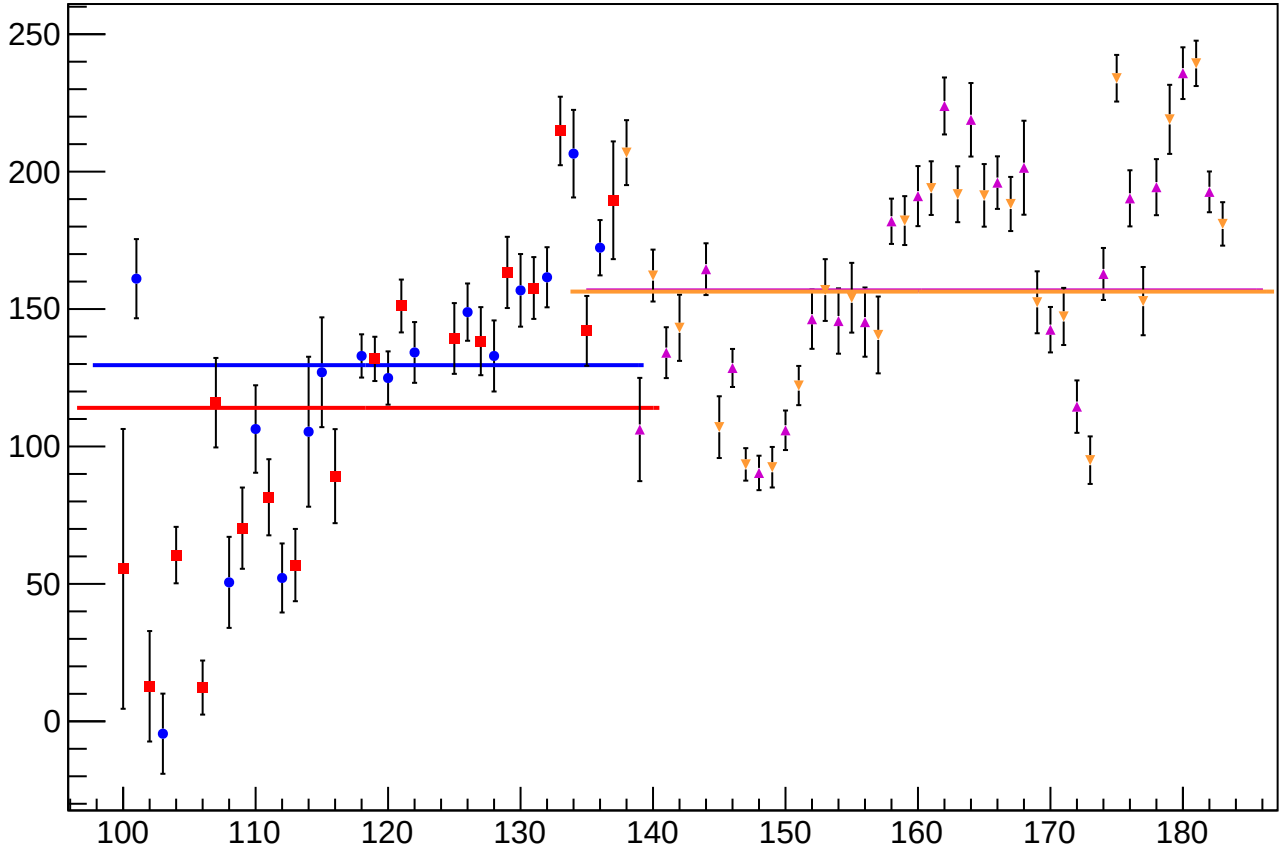
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 551.550+/-1.818 χ^2/NDF:5810.3/37

Out: 520.927+/-1.762 χ^2/NDF:9246.3/40

All: 535.753+/-1.265 χ^2/NDF: 15202.9/78

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: 156.357+/-1.969 χ^2/NDF:577.9/22

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 156.801+/-1.995 χ^2/NDF:443.0/21

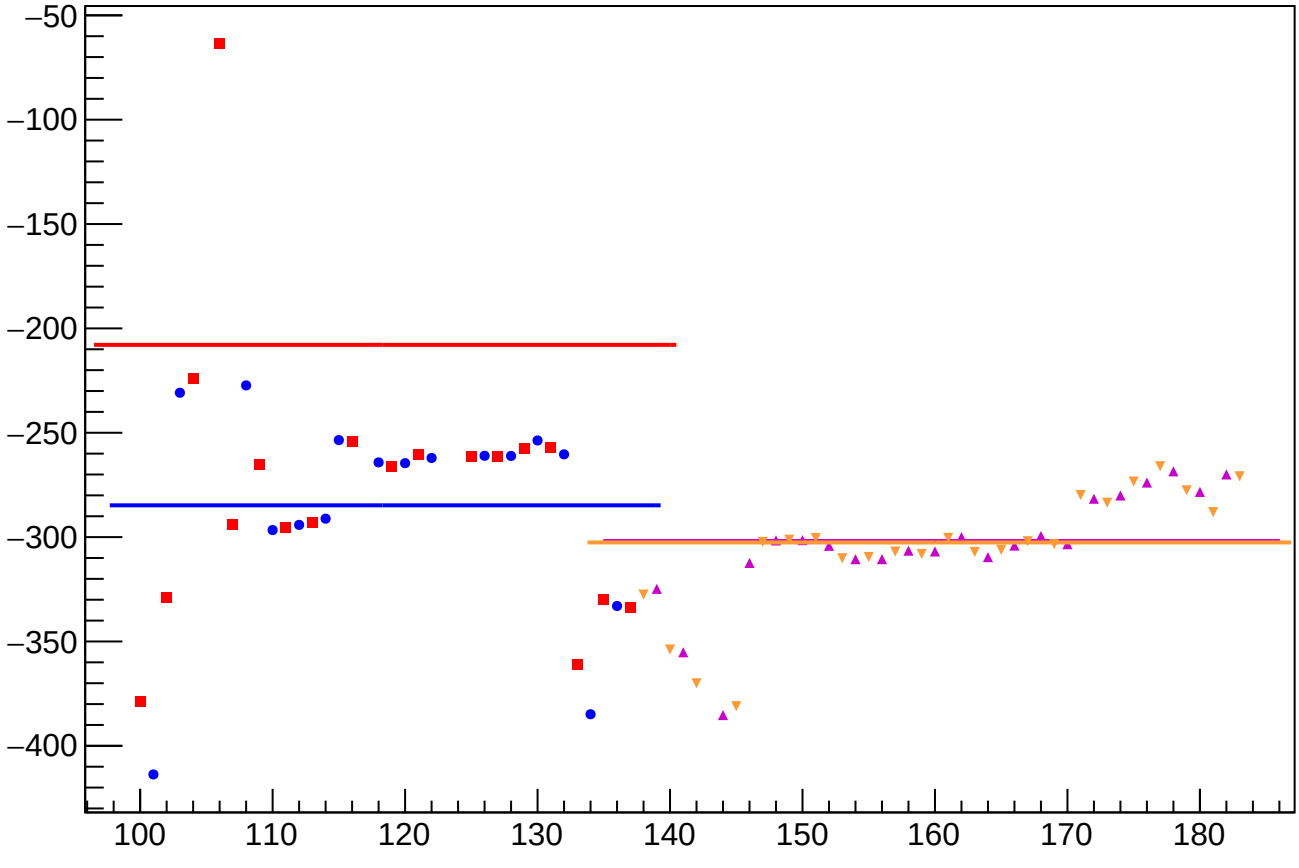
Left: 156.576+/-1.402 χ^2/NDF: 1020.9/44

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 148.758+/-1.675 χ^2/NDF:709.2/37

Out: 143.472+/-1.642 χ^2/NDF:1054.4/40

All: 146.063+/-1.173 χ^2/NDF: 1768.7/78



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -302.555+/-0.092 χ^2/NDF:83695.5/22

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: -302.207+/-0.065 χ^2/NDF: 156912.9/44

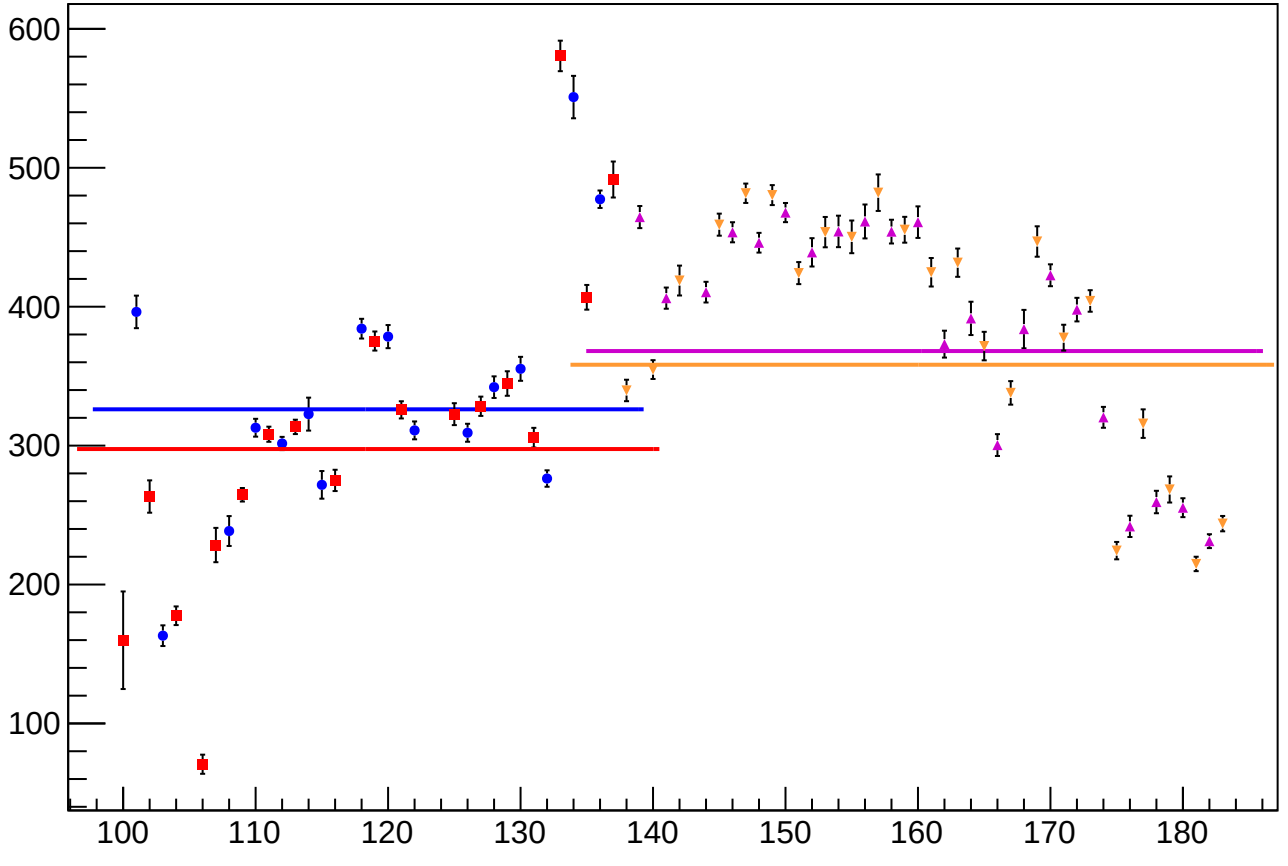
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -298.292+/-0.081 χ^2/NDF:184897.0/37

Out: -276.438+/-0.078 χ^2/NDF:913425.1/40

All: -286.956+/-0.056 χ^2/NDF: 1135936.5/78

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: 358.223+/-1.697 χ^2/NDF:3170.6/22

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: 363.079+/-1.209 χ^2/NDF: 5852.7/44

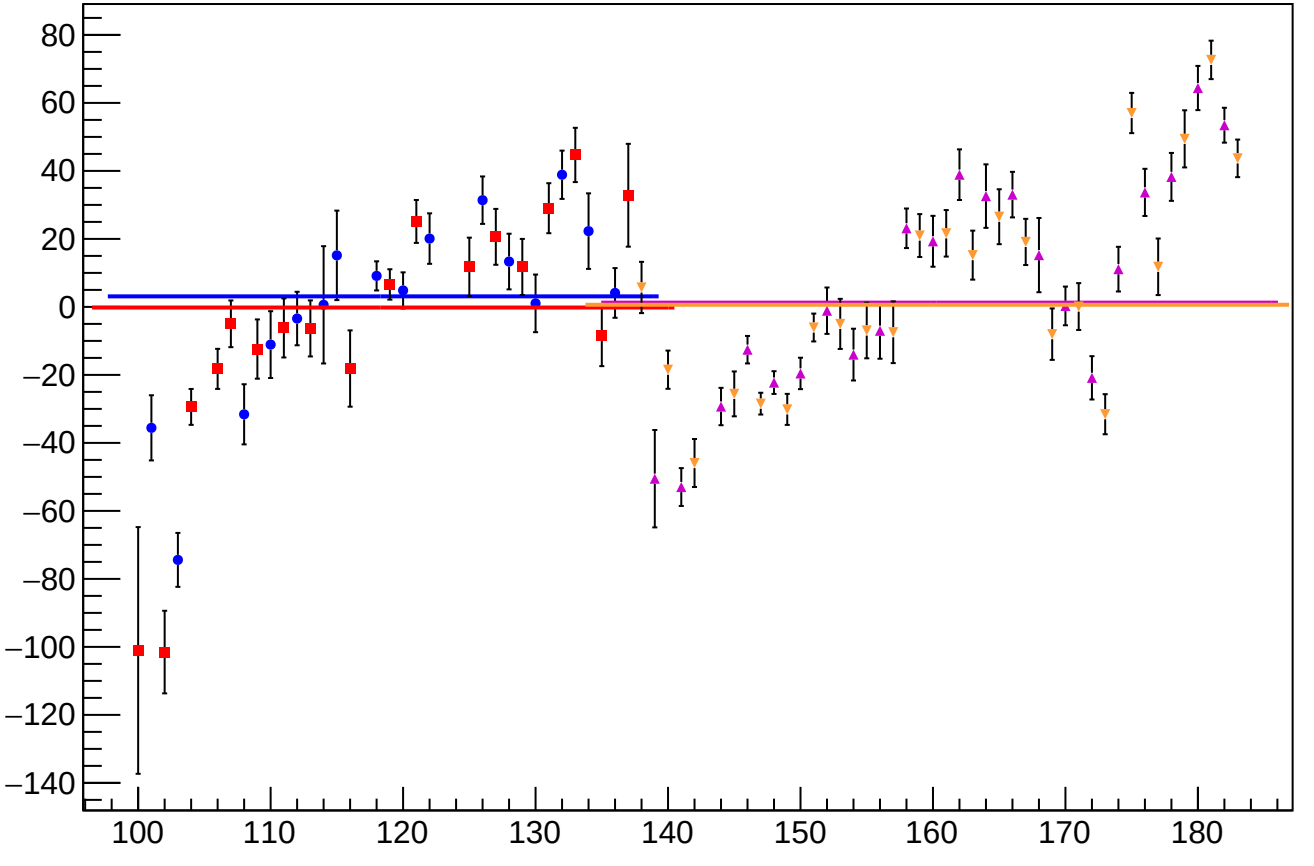
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 348.687+/-1.262 χ^2/NDF:4582.8/37

Out: 328.543+/-1.213 χ^2/NDF:6571.3/40

All: 338.214+/-0.875 χ^2/NDF: 11286.5/78

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: 0.631+/-1.256 χ^2/NDF:626.0/22

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: 1.257+/-1.280 χ^2/NDF:568.0/21

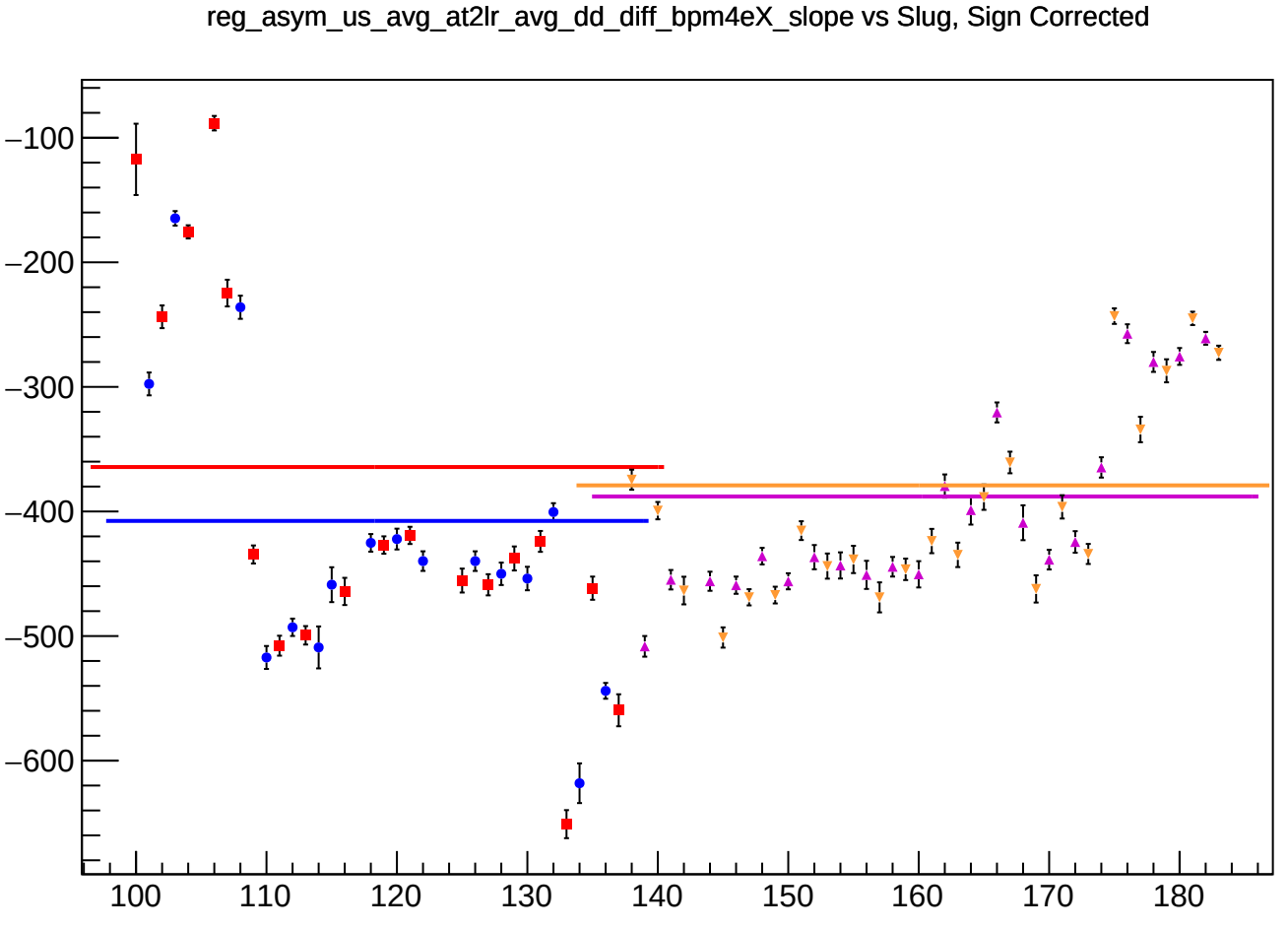
Left: 0.938+/-0.897 χ^2/NDF: 1194.2/44

Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: 1.836+/-1.060 χ^2/NDF:753.2/37

Out: 0.364+/-1.028 χ^2/NDF:831.4/40

All: 1.077+/-0.738 χ^2/NDF: 1585.6/78



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -379.045+/-1.684 χ^2/NDF:2593.8/22

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -387.955+/-1.703 χ^2/NDF:2305.7/21

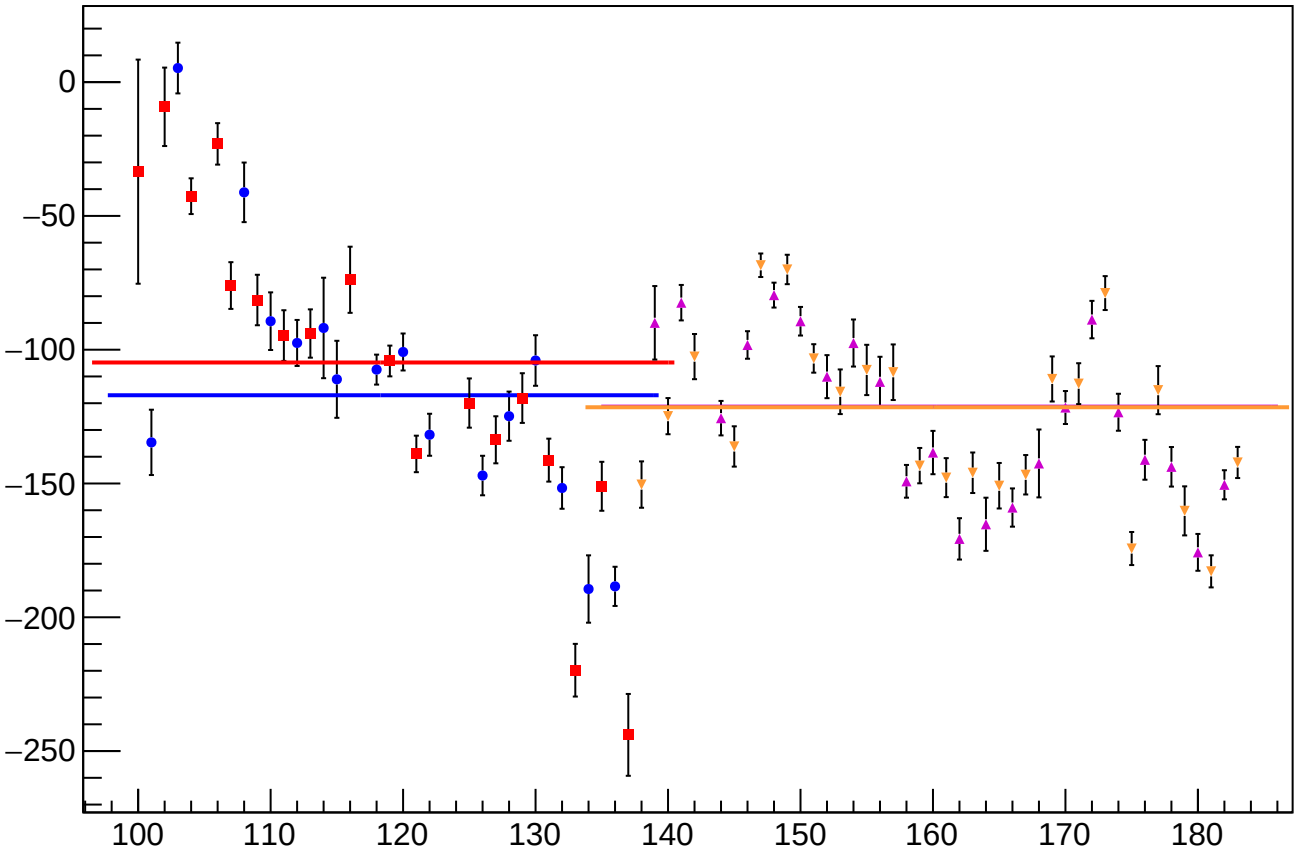
Left: -383.449+/-1.198 χ^2/NDF: 4913.4/44

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -395.859+/-1.316 χ^2/NDF:5639.7/37

Out: -372.726+/-1.272 χ^2/NDF:8847.0/40

All: -383.902+/-0.915 χ^2/NDF: 14646.4/78



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -121.511+/-1.447 χ^2/NDF:584.5/22

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: -121.396+/-1.030 χ^2/NDF: 1016.6/44

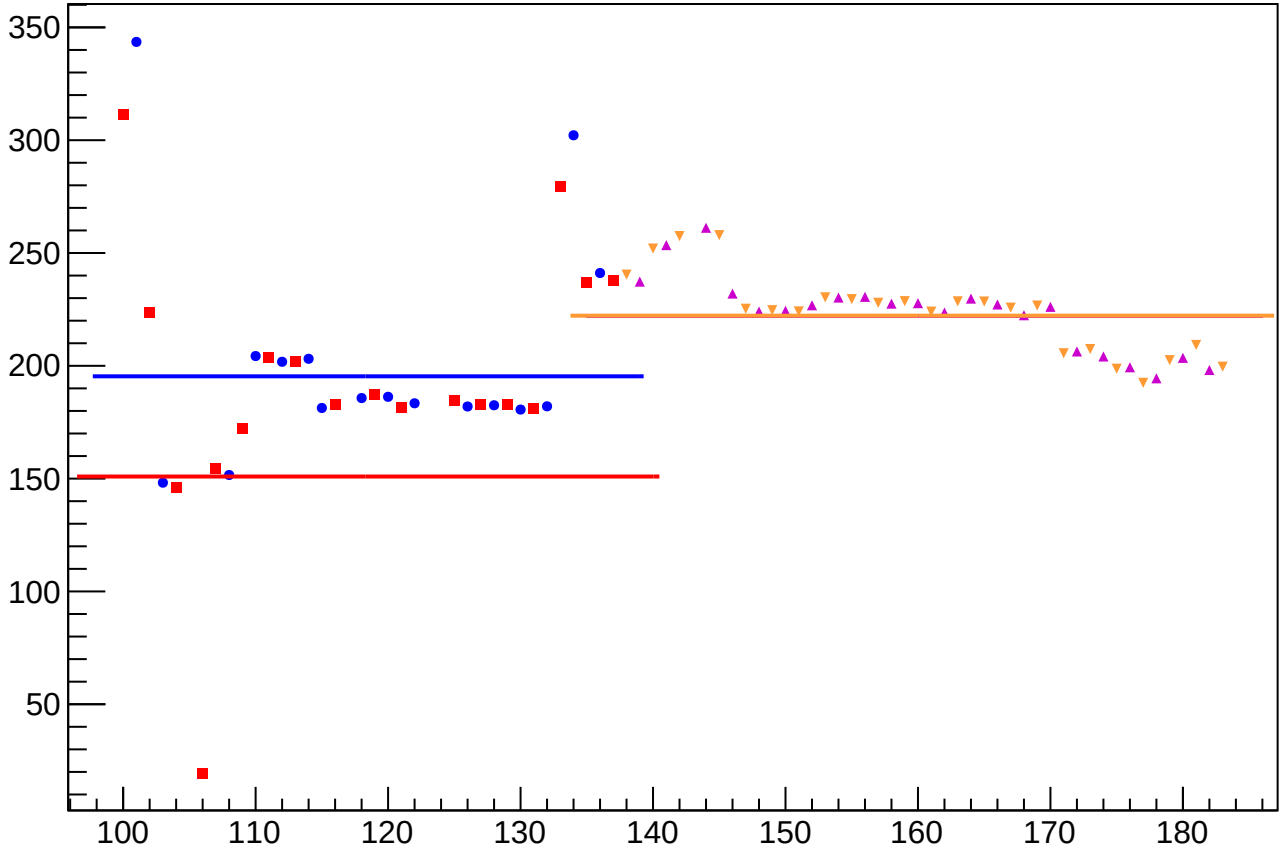
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -119.962+/-1.220 χ^2/NDF:842.5/37

Out: -116.091+/-1.190 χ^2/NDF:1202.9/40

All: -117.979+/-0.852 χ^2/NDF: 2050.5/78

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: 222.222+/-0.067 χ^2/NDF:64145.6/22

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: 222.150+/-0.048 χ^2/NDF: 124161.9/44

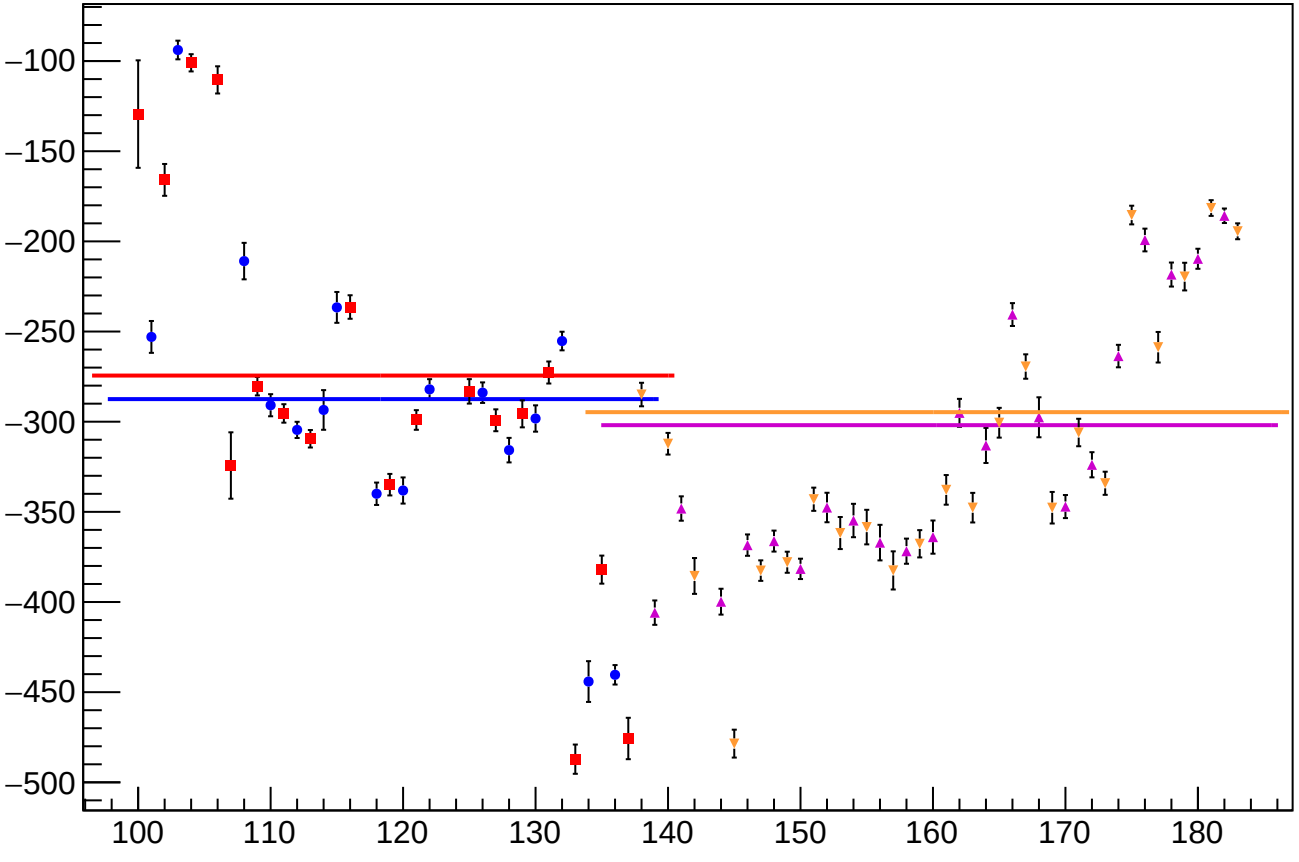
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 216.069+/-0.059 χ^2/NDF:272638.8/37

Out: 202.778+/-0.058 χ^2/NDF:867905.9/40

All: 209.246+/-0.041 χ^2/NDF: 1166515.4/78

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: -294.707+/-1.407 χ^2/NDF:3331.7/22

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -301.925+/-1.422 χ^2/NDF:2894.6/21

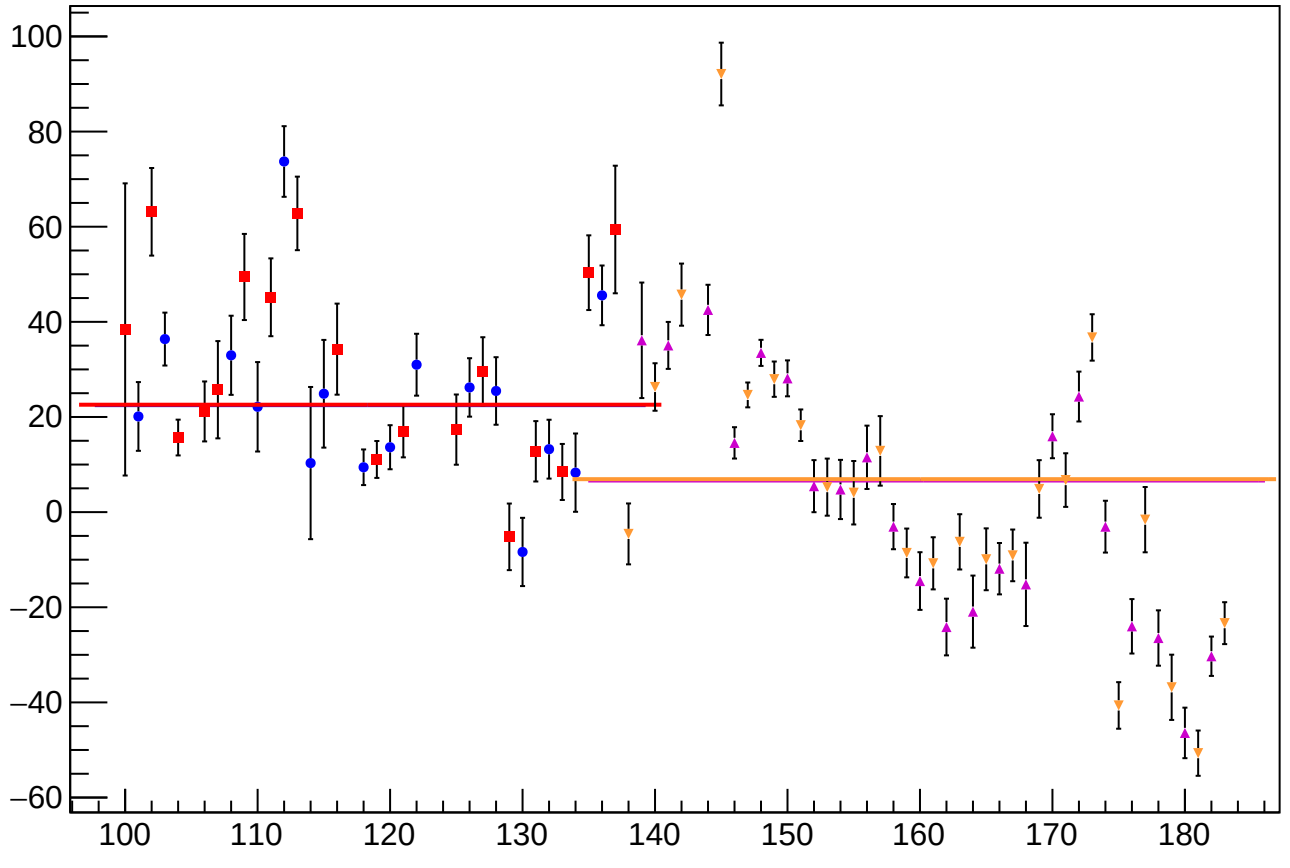
Left: -298.277+/-1.000 χ^2/NDF: 6239.3/44

Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -295.599+/-1.066 χ^2/NDF:5636.3/37

Out: -285.551+/-1.042 χ^2/NDF:6839.0/40

All: -290.460+/-0.745 χ^2/NDF: 12520.7/78



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 6.927+/-1.037 χ^2/NDF:719.2/22

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: 6.790+/-0.740 χ^2/NDF: 1272.4/44

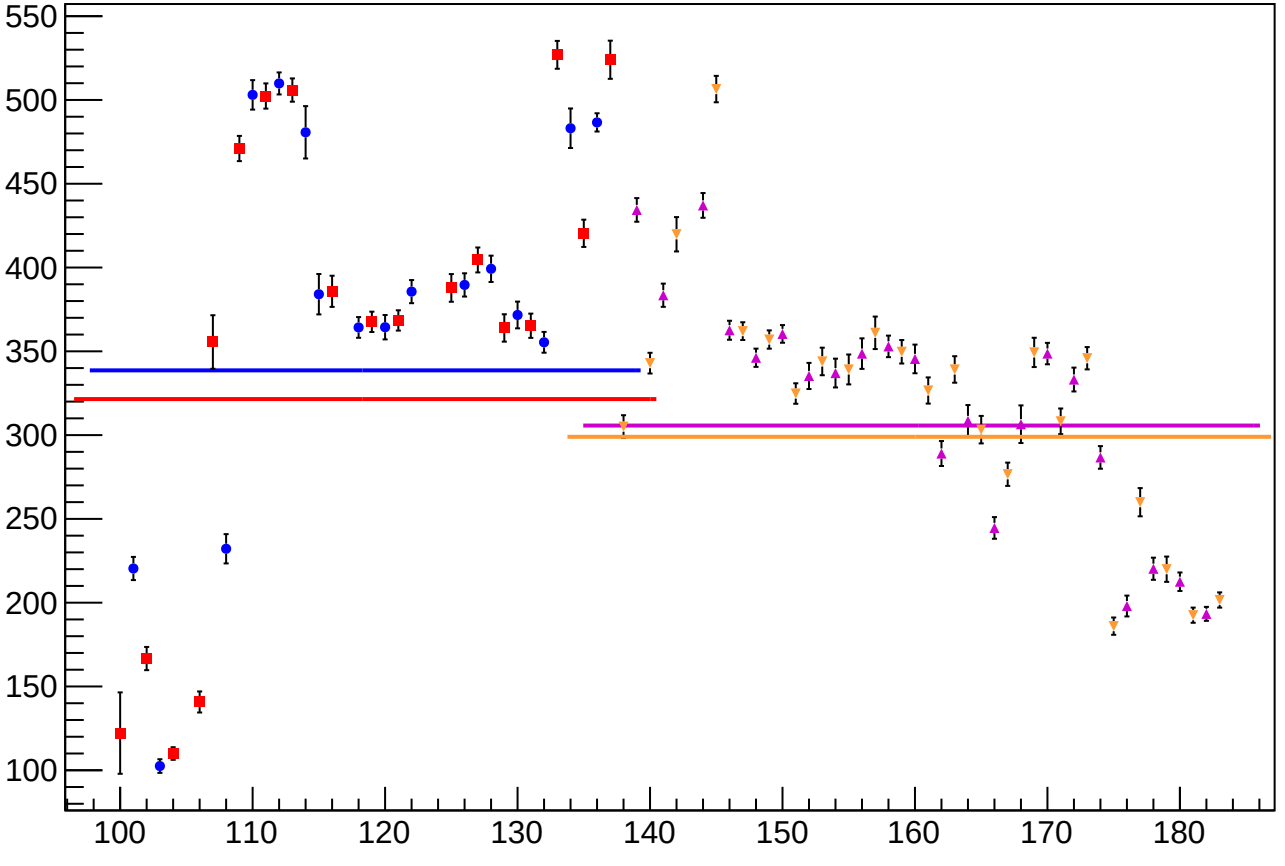
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 11.372+/-0.885 χ^2/NDF:731.7/37

Out: 11.685+/-0.865 χ^2/NDF:911.7/40

All: 11.532+/-0.619 χ^2/NDF: 1643.5/78

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: 298.991+/-1.394 χ^2/NDF:3056.4/22

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: 302.320+/-0.990 χ^2/NDF: 5874.0/44

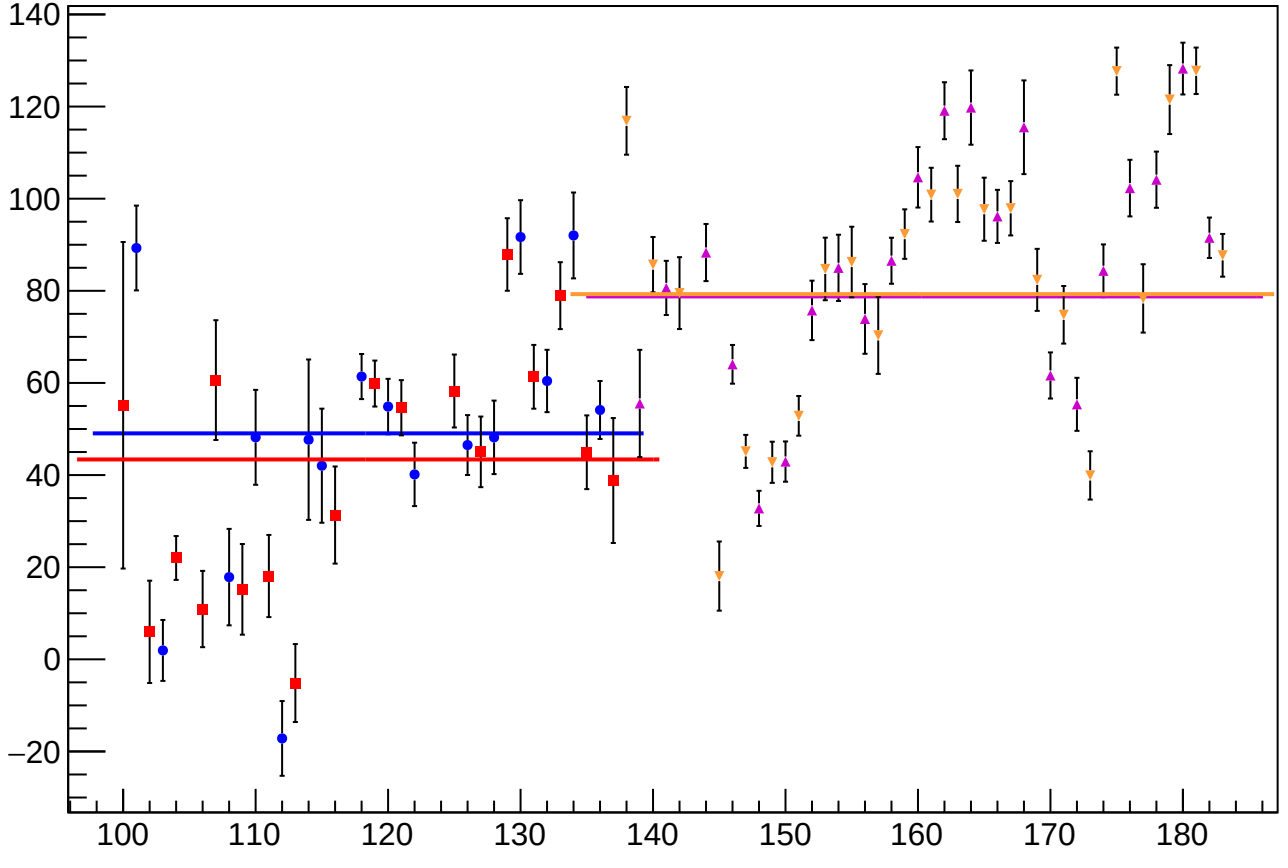
Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 318.631+/-1.095 χ^2/NDF:9064.3/37

Out: 308.076+/-1.076 χ^2/NDF:10882.5/40

All: 313.261+/-0.768 χ^2/NDF: 19994.0/78

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 79.278+/-1.195 χ^2/NDF:615.2/22

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 78.784+/-1.210 χ^2/NDF:488.3/21

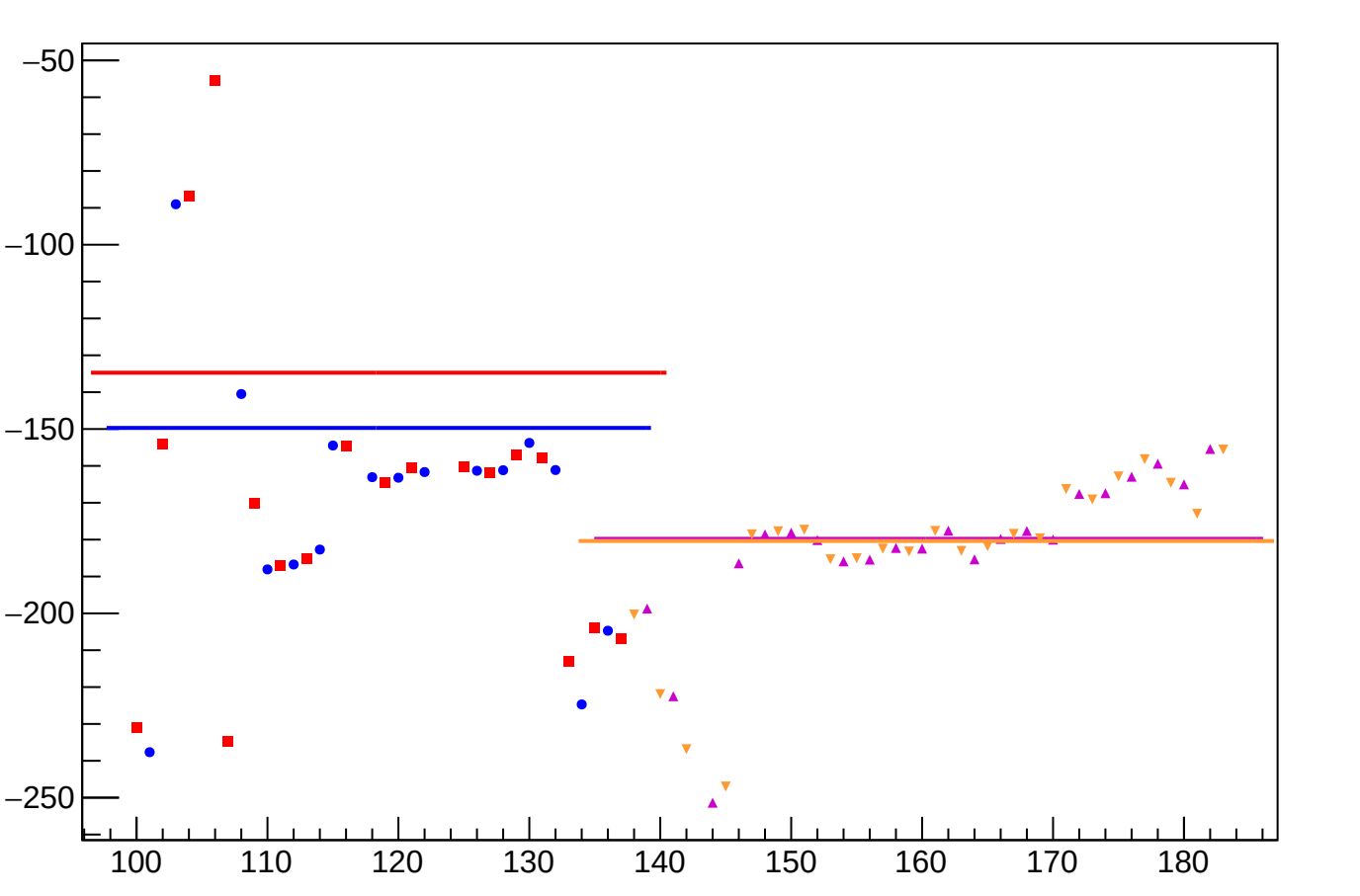
Left: 79.034+/-0.850 χ^2/NDF: 1103.6/44

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 70.091+/-1.018 χ^2/NDF:872.8/37

Out: 68.581+/-1.001 χ^2/NDF:1064.0/40

All: 69.323+/-0.714 χ^2/NDF: 1937.9/78



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -180.371+/-0.056 χ^2/NDF:126932.3/22

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: -180.073+/-0.039 χ^2/NDF: 236801.5/44

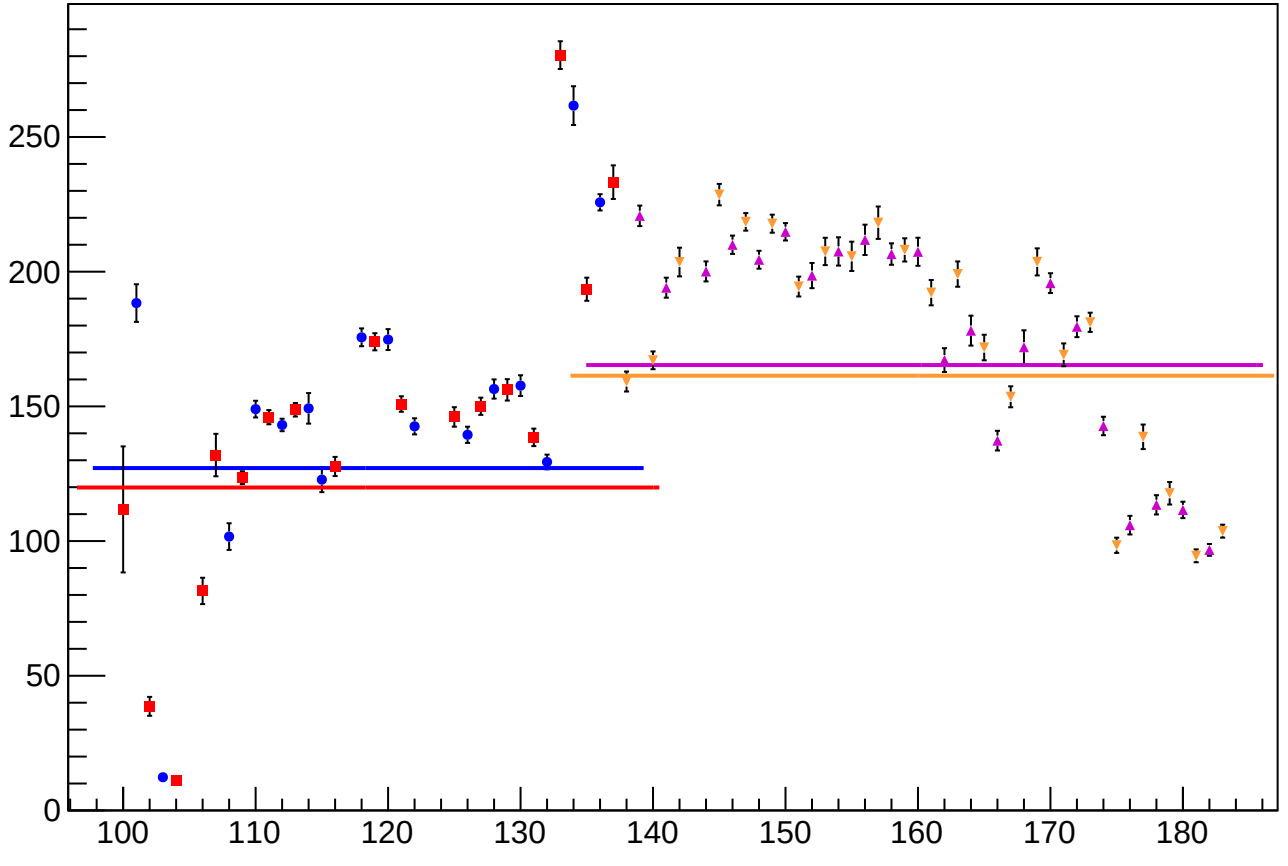
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -172.826+/-0.048 χ^2/NDF:434728.6/37

Out: -169.053+/-0.048 χ^2/NDF:606210.2/40

All: -170.932+/-0.034 χ^2/NDF: 1043977.9/78

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 161.384+/-0.784 χ^2/NDF:3579.2/22

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 165.339+/-0.794 χ^2/NDF:3247.9/21

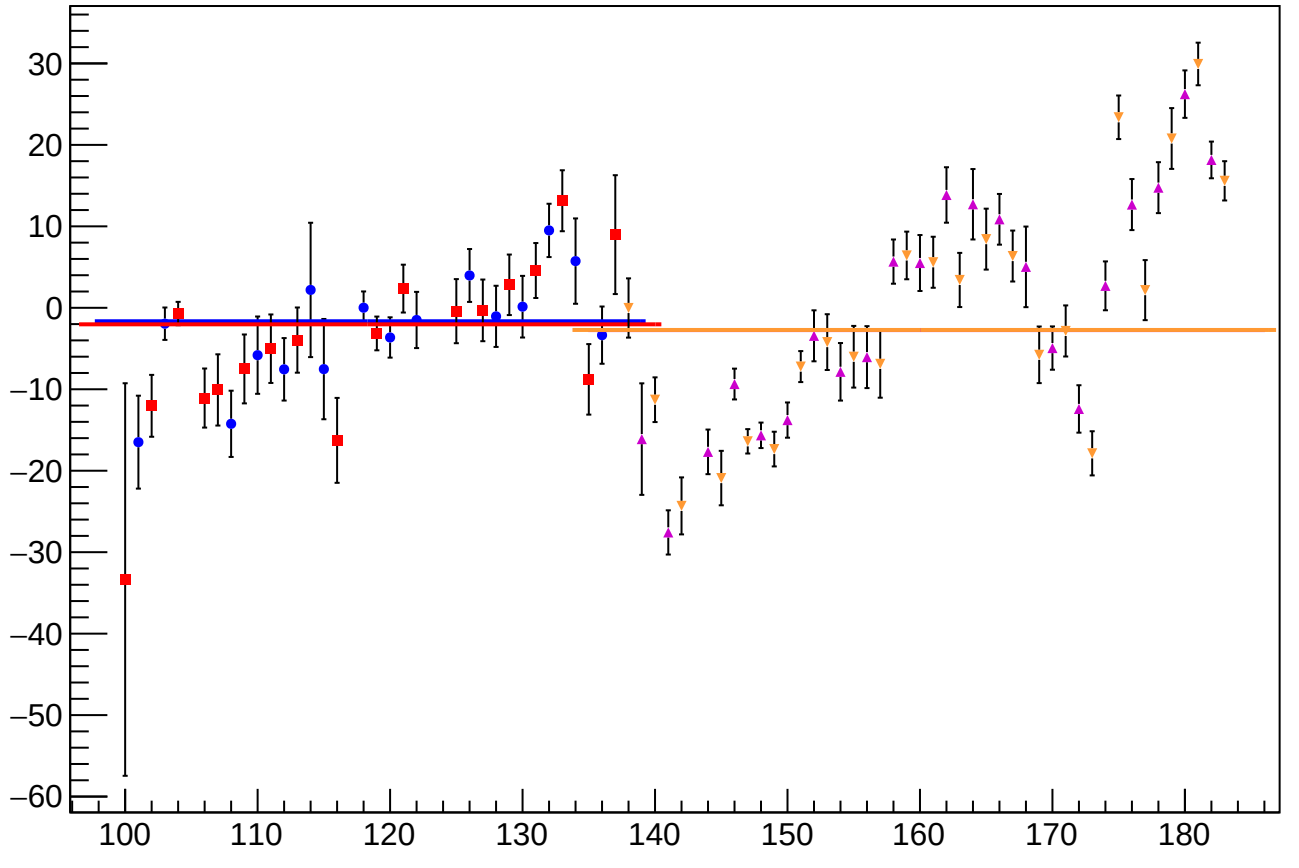
Left: 163.338+/-0.558 χ^2/NDF: 6839.7/44

Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 146.626+/-0.567 χ^2/NDF:10546.9/37

Out: 140.362+/-0.551 χ^2/NDF:11646.4/40

All: 143.404+/-0.395 χ^2/NDF: 22256.0/78



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -2.719+/-0.583 χ^2/NDF:635.9/22

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -2.734+/-0.594 χ^2/NDF:555.6/21

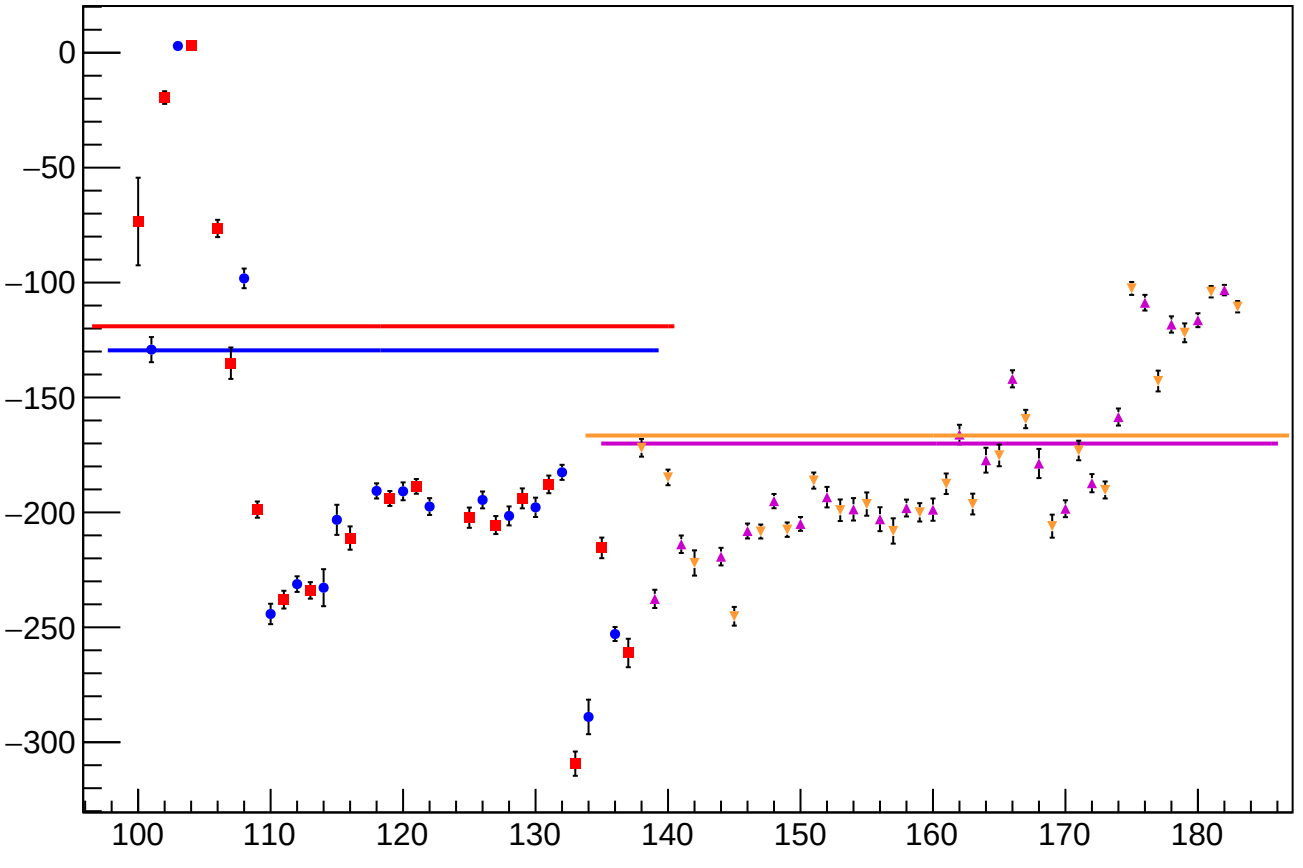
Left: -2.726+/-0.416 χ^2/NDF: 1191.5/44

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -2.369+/-0.483 χ^2/NDF:595.8/37

Out: -2.467+/-0.465 χ^2/NDF:695.0/40

All: -2.420+/-0.335 χ^2/NDF: 1290.8/78



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -166.550+/-0.778 χ^2/NDF:3085.0/22

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -170.045+/-0.786 χ^2/NDF:2985.1/21

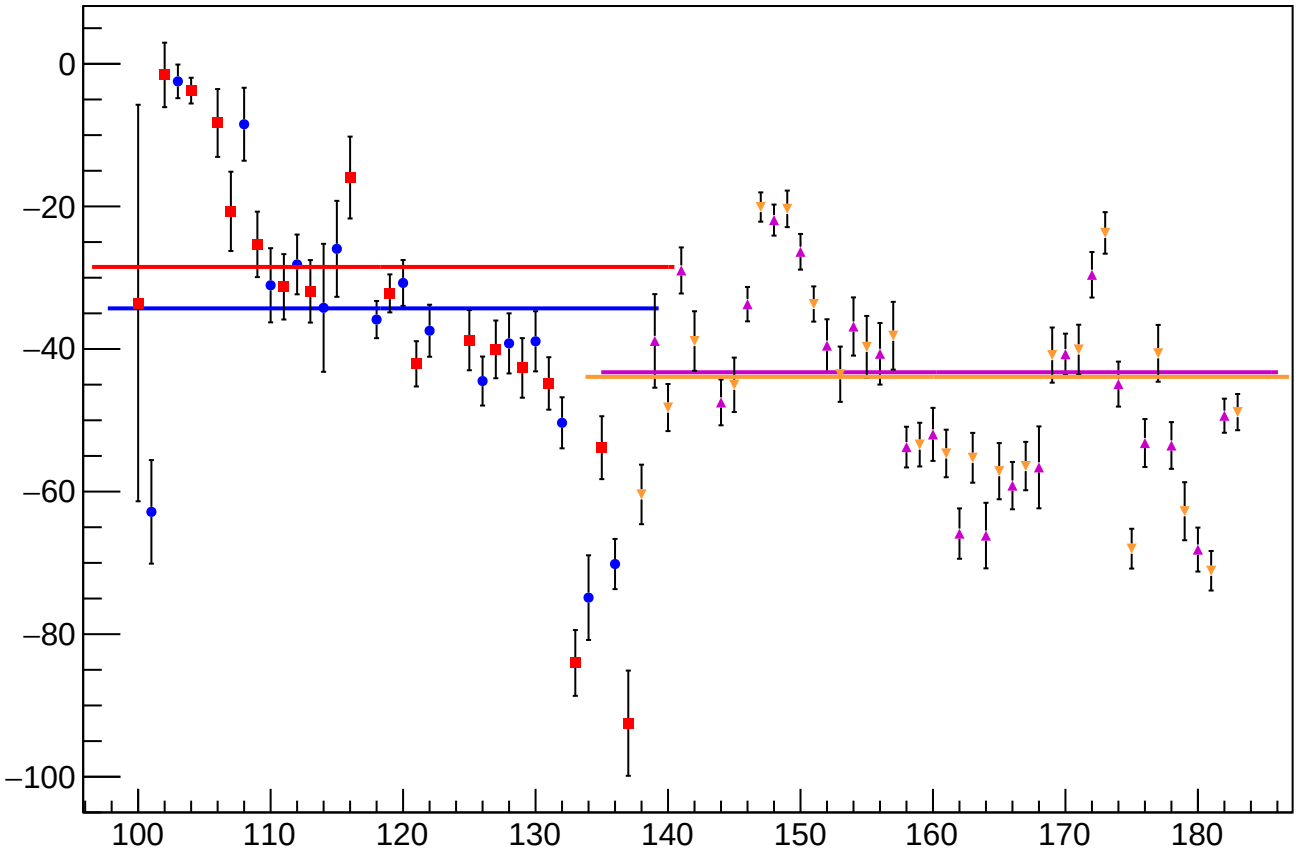
Left: -168.281+/-0.553 χ^2/NDF: 6080.1/44

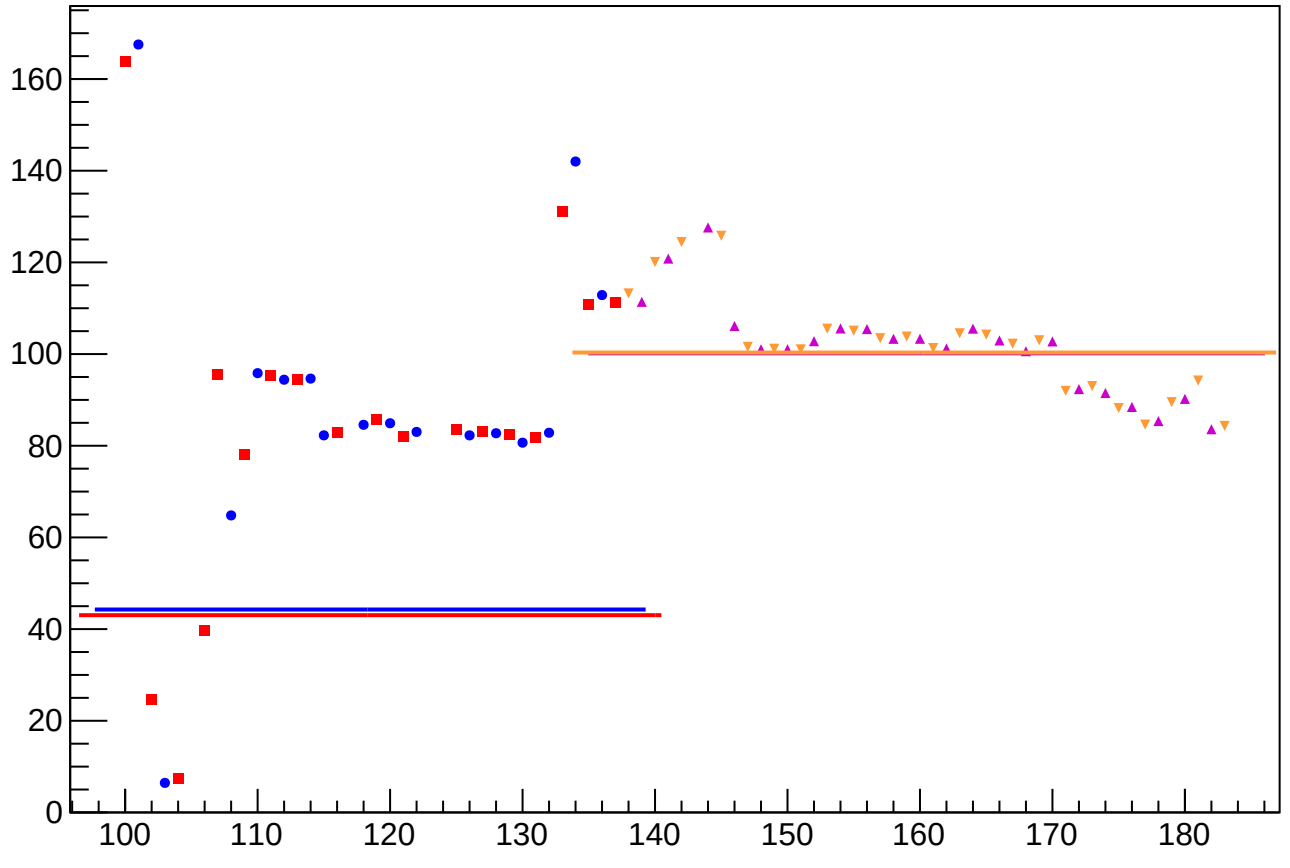
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -151.280+/-0.576 χ^2/NDF:18905.9/37

Out: -143.814+/-0.562 χ^2/NDF:21046.0/40

All: -147.458+/-0.402 χ^2/NDF: 40037.9/78


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
Right In: -34.301+/-0.968 χ²/NDF: 411.3/15
Left Out: -43.905+/-0.670 χ²/NDF:559.3/22
Right Out: -28.488+/-0.907 χ²/NDF: 568.0/17
Left In: -43.261+/-0.679 χ²/NDF:405.6/21
Left: -43.587+/-0.477 χ²/NDF: 965.3/44
Right: -31.206+/-0.662 χ²/NDF: 998.5/33
In: -40.306+/-0.556 χ²/NDF:874.3/37
Out: -38.458+/-0.539 χ²/NDF:1314.2/40
All: -39.354+/-0.387 χ²/NDF: 2194.2/78



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 100.336+/-0.031 χ^2/NDF:115451.1/22

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 100.156+/-0.031 χ^2/NDF:108100.2/21

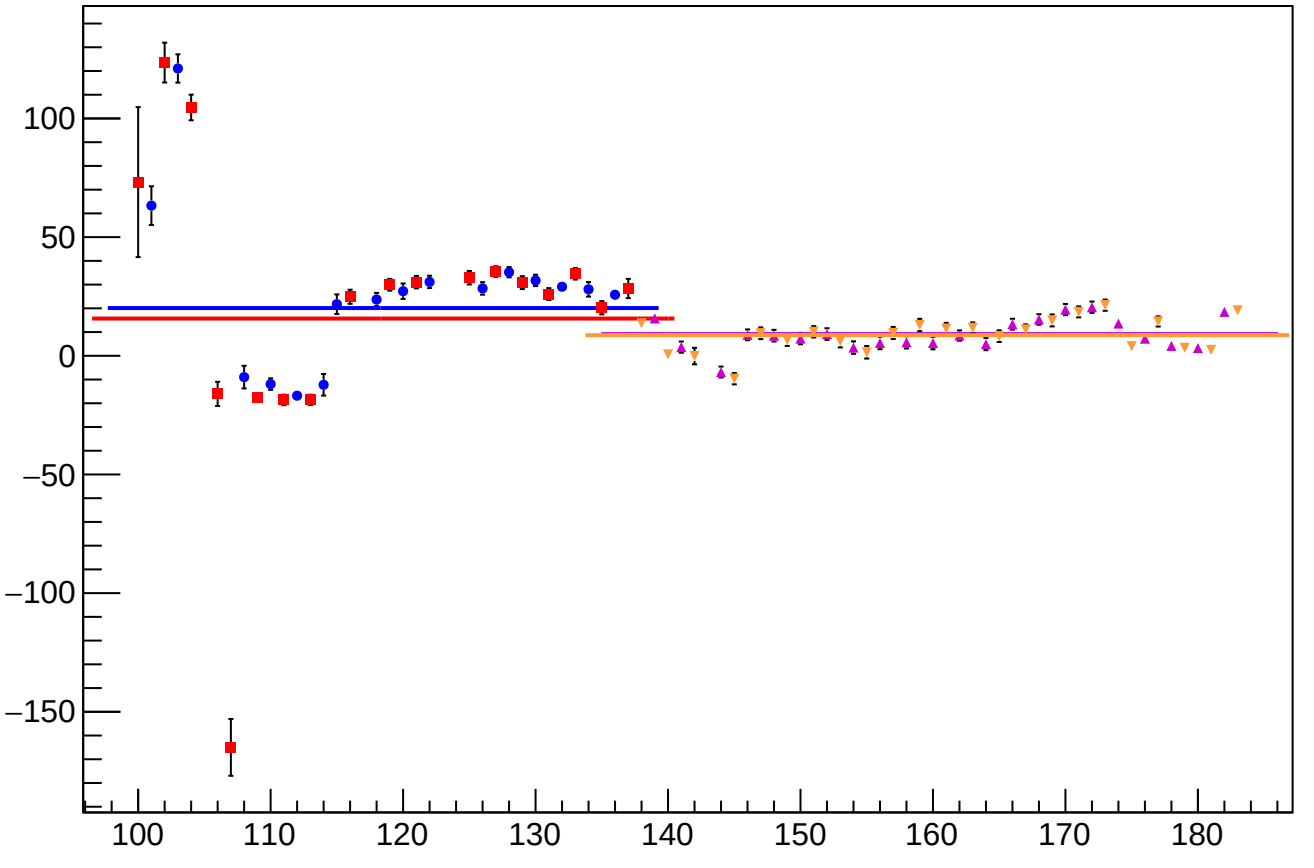
Left: 100.245+/-0.022 χ^2/NDF: 223567.9/44

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 82.137+/-0.026 χ^2/NDF:2240787.6/37

Out: 81.771+/-0.026 χ^2/NDF:2014933.7/40

All: 81.955+/-0.018 χ^2/NDF: 4255823.6/78



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 8.696+/-0.460 χ^2/NDF:233.1/22

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 9.139+/-0.468 χ^2/NDF:190.6/21

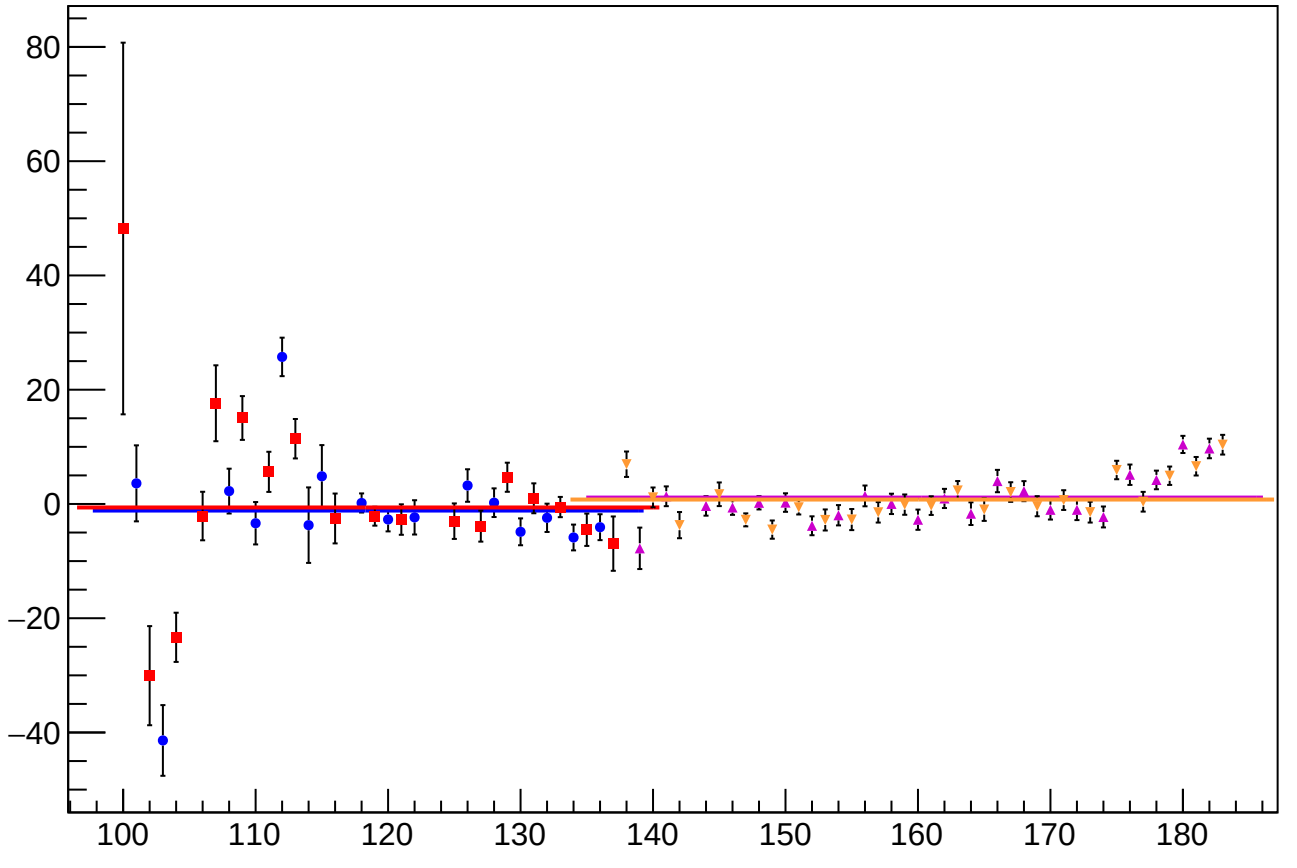
Left: 8.914+/-0.328 χ^2/NDF: 424.1/44

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 12.617+/-0.387 χ^2/NDF:1413.1/37

Out: 10.884+/-0.381 χ^2/NDF:2079.4/40

All: 11.738+/-0.271 χ^2/NDF: 3502.7/78



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: 0.775+/-0.352 χ^2/NDF:108.3/22

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: 1.119+/-0.360 χ^2/NDF:109.7/21

Left: 0.943+/-0.252 χ^2/NDF: 218.5/44

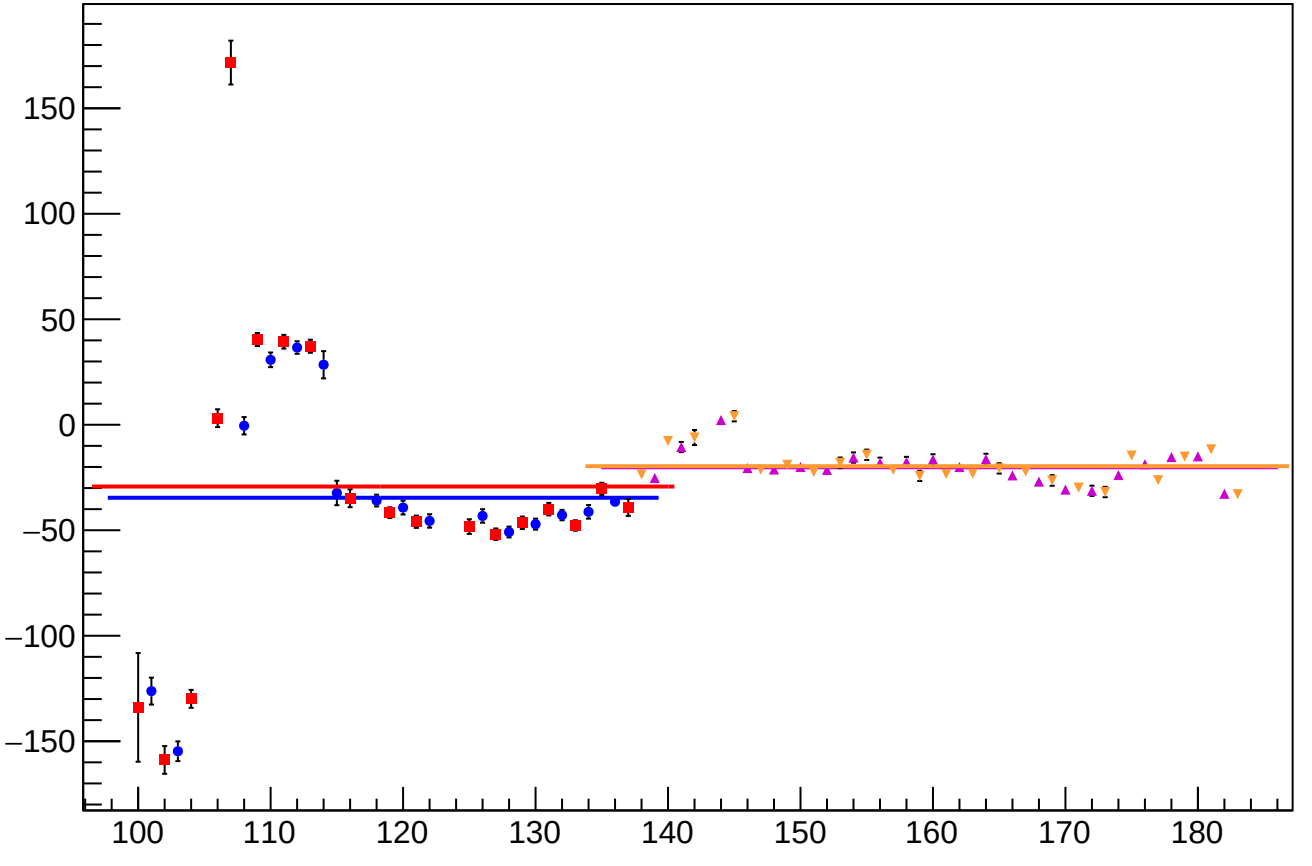
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: 0.643+/-0.320 χ^2/NDF:239.9/37

Out: 0.504+/-0.315 χ^2/NDF:204.7/40

All: 0.572+/-0.225 χ^2/NDF: 444.7/78

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -19.633+/-0.455 χ^2/NDF:320.4/22

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: -19.889+/-0.325 χ^2/NDF: 570.7/44

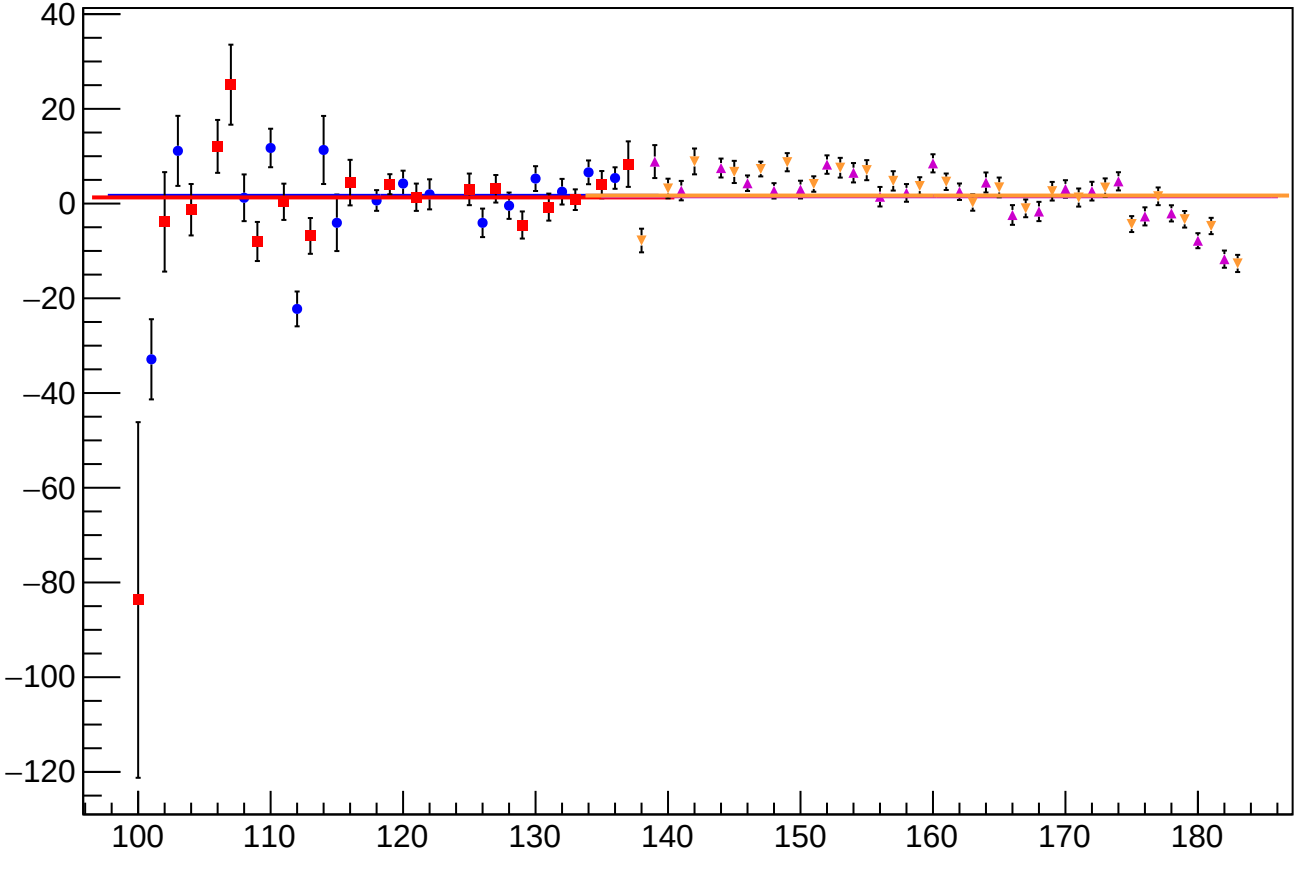
Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -23.869+/-0.399 χ^2/NDF:2558.8/37

Out: -21.994+/-0.396 χ^2/NDF:3511.3/40

All: -22.924+/-0.281 χ^2/NDF: 6081.2/78

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 1.696+/-0.397 χ^2/NDF:177.7/22

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 1.540+/-0.406 χ^2/NDF:158.4/21

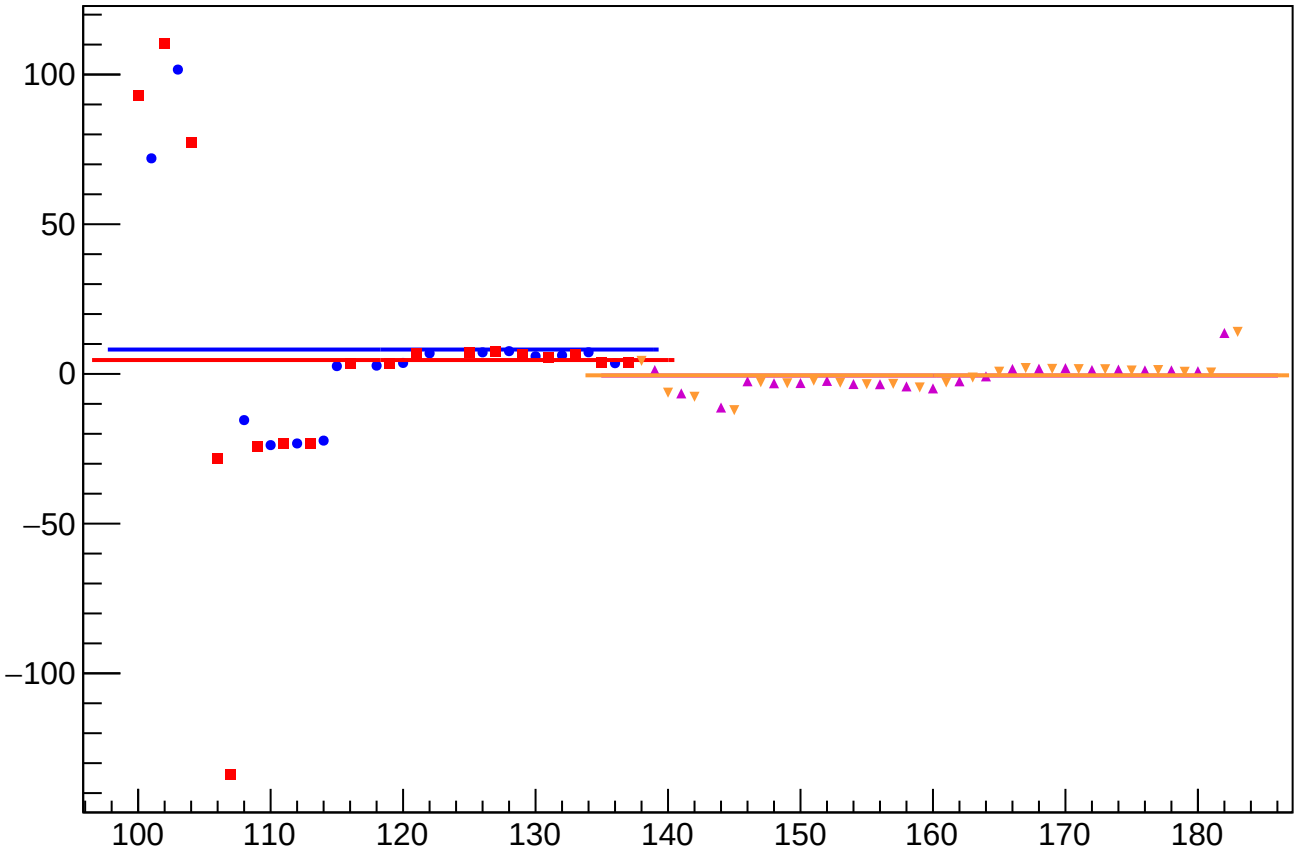
Left: 1.619+/-0.284 χ^2/NDF: 336.1/44

Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 1.558+/-0.362 χ^2/NDF:241.7/37

Out: 1.620+/-0.357 χ^2/NDF:215.4/40

All: 1.589+/-0.254 χ^2/NDF: 457.1/78



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -0.465+/-0.018 χ^2/NDF:70493.0/22

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -0.540+/-0.018 χ^2/NDF:60256.4/21

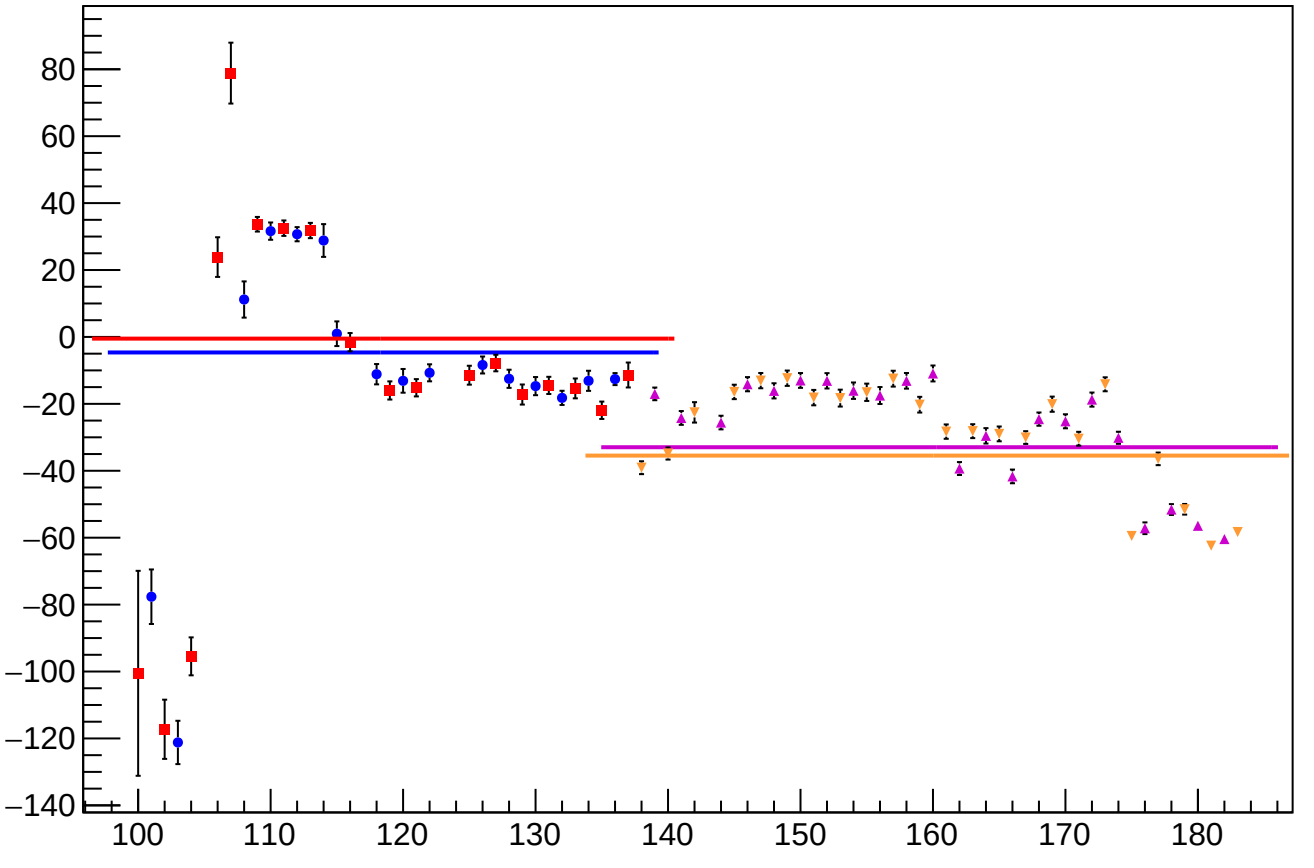
Left: -0.502+/-0.013 χ^2/NDF: 130758.1/44

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 0.507+/-0.017 χ^2/NDF:401963.7/37

Out: 0.075+/-0.017 χ^2/NDF:526016.0/40

All: 0.291+/-0.012 χ^2/NDF: 928309.6/78



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -35.465+/-0.411 χ^2/NDF:1824.3/22

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -32.964+/-0.419 χ^2/NDF:1736.5/21

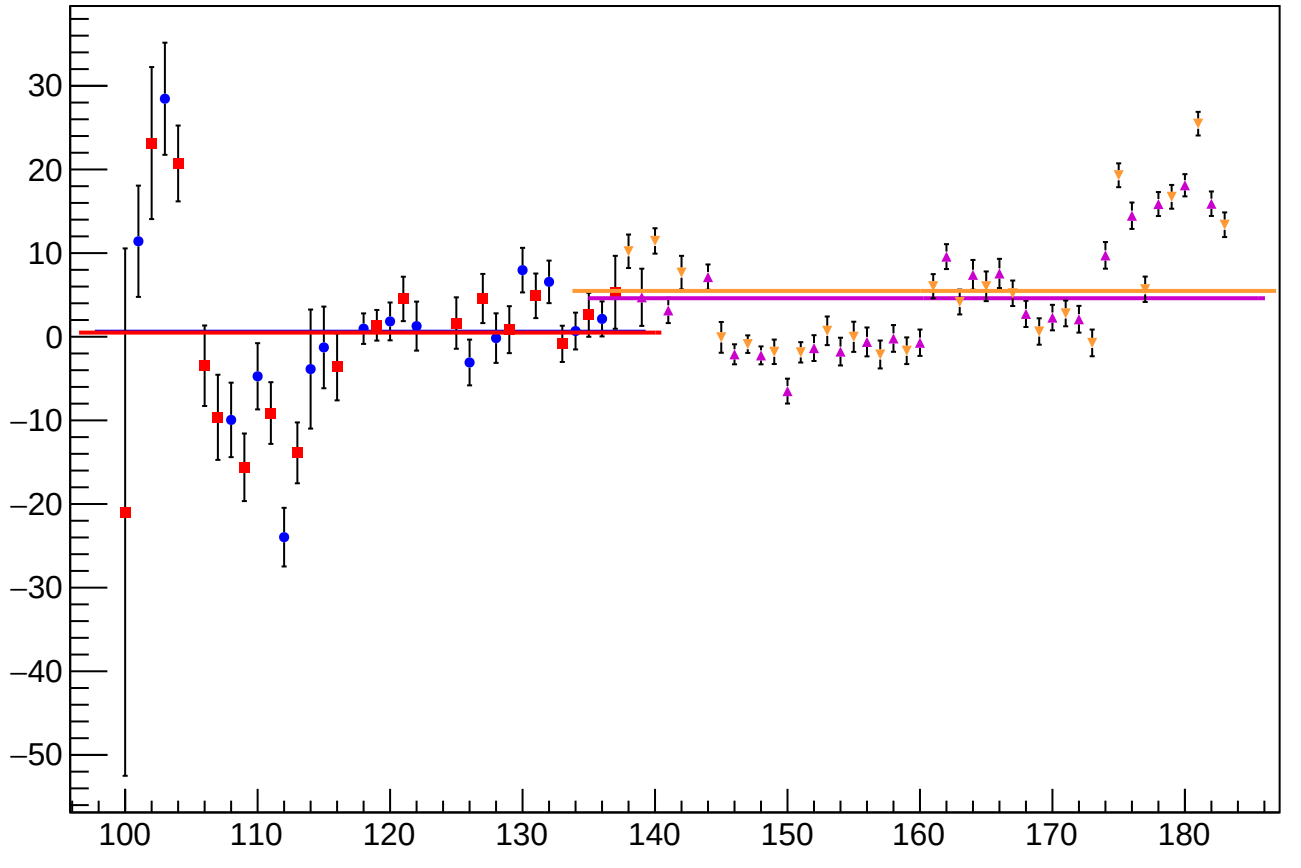
Left: -34.238+/-0.294 χ^2/NDF: 3578.9/44

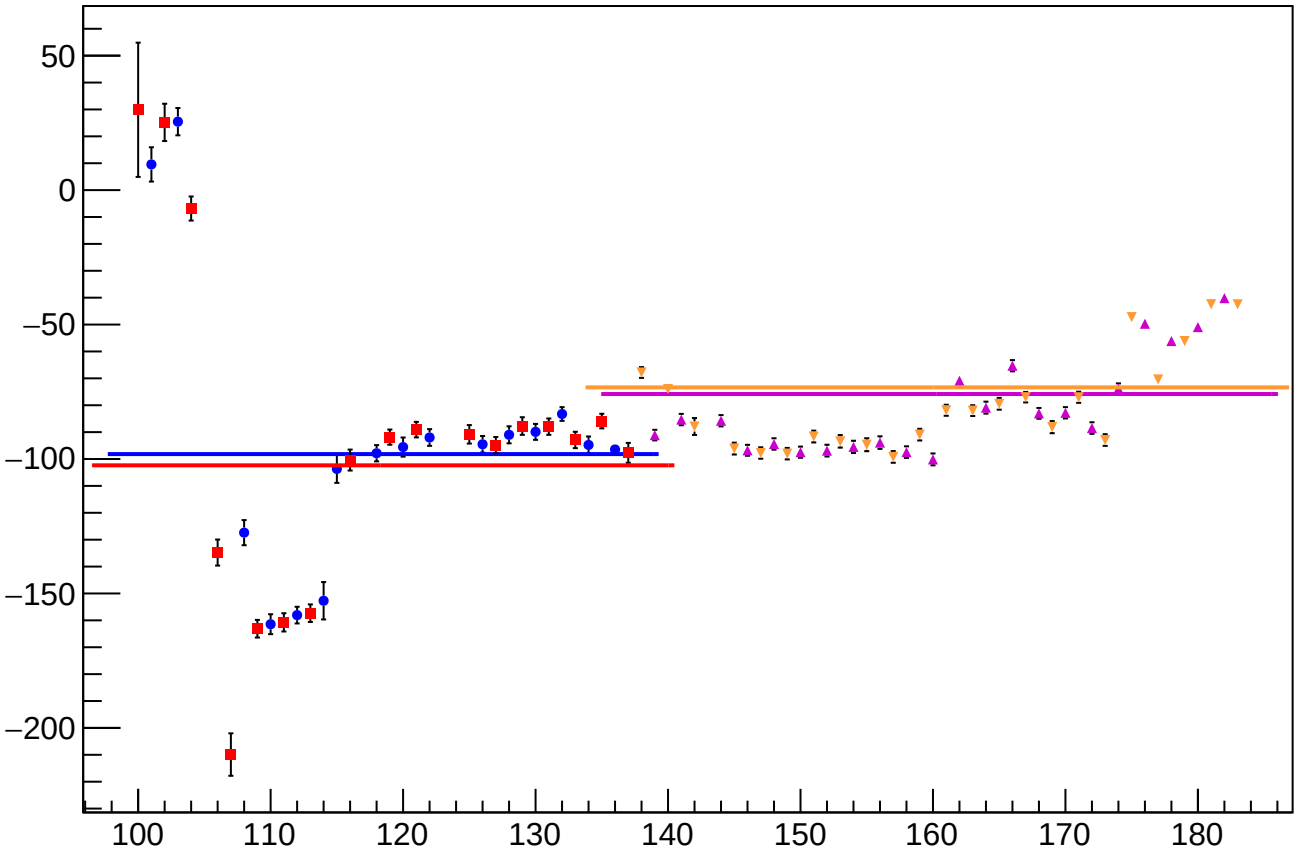
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -25.667+/-0.361 χ^2/NDF:3959.1/37

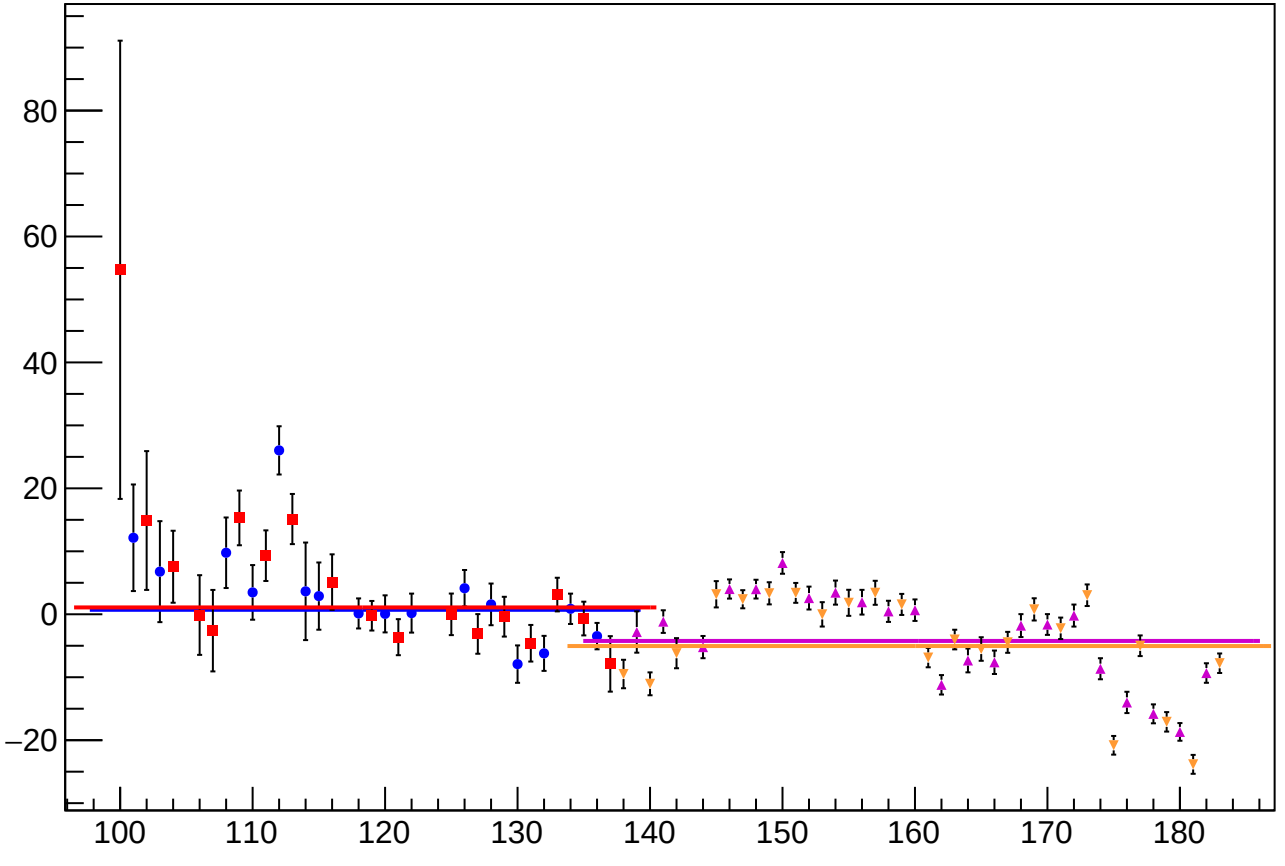
Out: -26.694+/-0.356 χ^2/NDF:5094.0/40

All: -26.188+/-0.254 χ^2/NDF: 9057.1/78


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: 5.478+/-0.317 χ²/NDF:601.6/22
Right Out: 0.496+/-0.755 χ²/NDF: 80.2/17
Left In: 4.604+/-0.324 χ²/NDF:487.6/21
Left: 5.050+/-0.227 χ²/NDF: 1092.9/44
Right: 0.551+/-0.524 χ²/NDF: 173.0/33
In: 3.941+/-0.296 χ²/NDF:605.7/37
Out: 4.731+/-0.292 χ²/NDF:718.8/40
All: 4.341+/-0.208 χ²/NDF: 1328.1/78


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
Right In: -98.168+/-0.813 χ2/NDF: 1699.9/15
Left Out: -73.360+/-0.408 χ2/NDF:2383.0/22
Right Out: -102.349+/-0.837 χ2/NDF: 2117.5/17
Left In: -75.831+/-0.415 χ2/NDF:2243.2/21
Left: -74.575+/-0.291 χ2/NDF: 4644.3/44
Right: -100.197+/-0.583 χ2/NDF: 3830.3/33
In: -80.451+/-0.370 χ2/NDF:4542.4/37
Out: -78.931+/-0.367 χ2/NDF:5469.7/40
All: -79.686+/-0.260 χ2/NDF: 10020.6/78

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -5.047+/-0.357 χ^2/NDF:532.5/22

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -4.235+/-0.364 χ^2/NDF:423.4/21

Left: -4.649+/-0.255 χ^2/NDF: 958.4/44

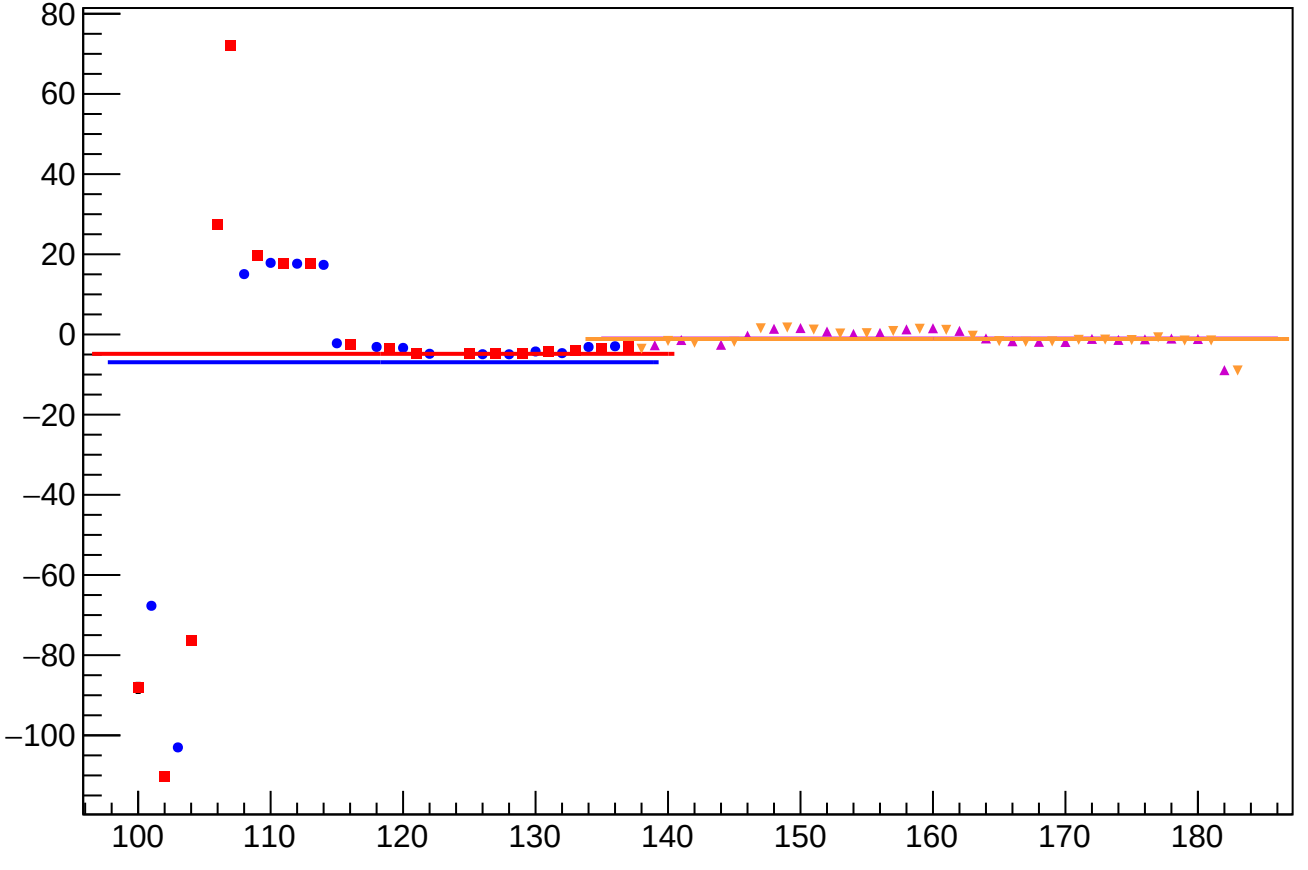
Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: -3.421+/-0.333 χ^2/NDF:523.3/37

Out: -4.137+/-0.330 χ^2/NDF:623.8/40

All: -3.783+/-0.234 χ^2/NDF: 1149.5/78

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -1.130+/-0.016 χ^2/NDF:21204.7/22

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -1.024+/-0.016 χ^2/NDF:20067.5/21

Left: -1.077+/-0.011 χ^2/NDF: 41294.2/44

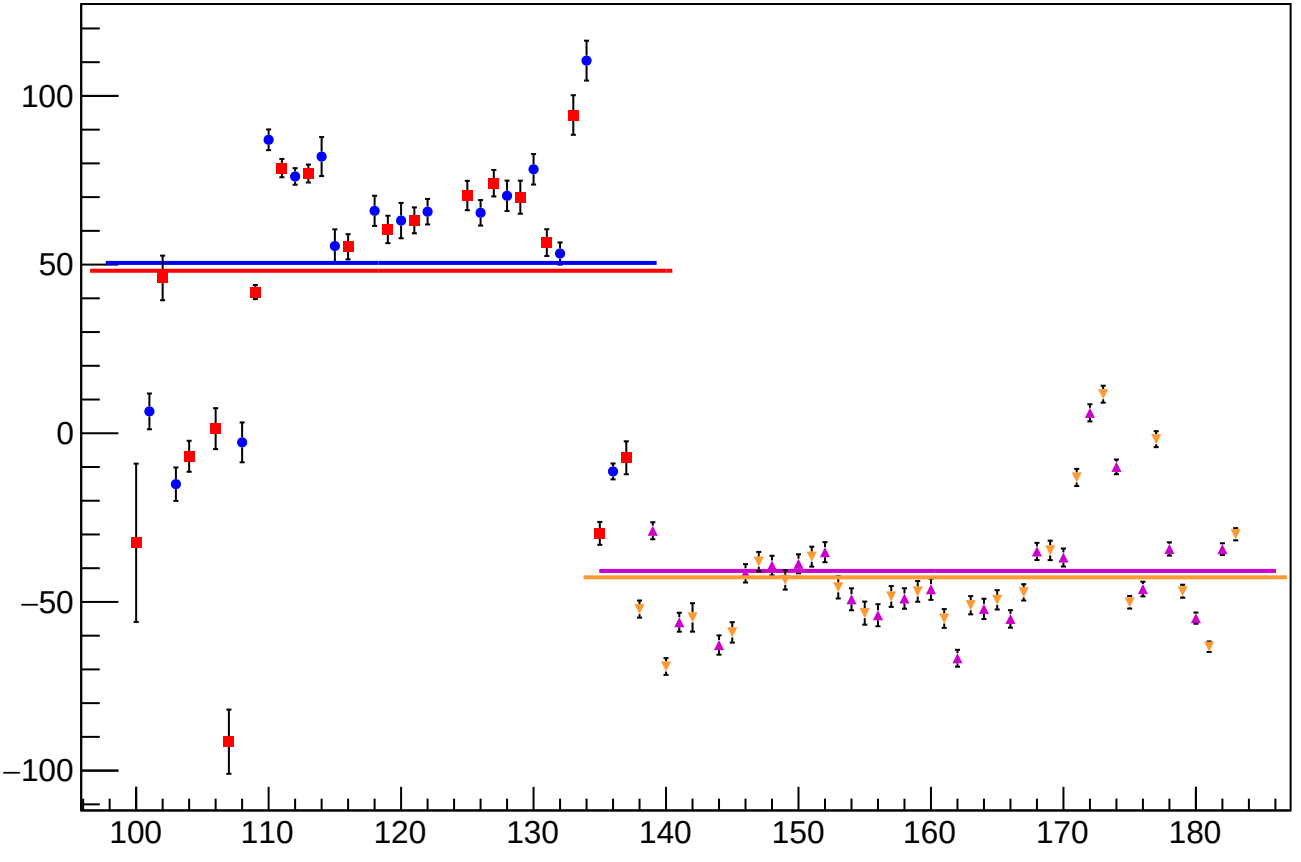
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.610+/-0.015 χ^2/NDF:298581.5/37

Out: -1.442+/-0.015 χ^2/NDF:365070.0/40

All: -1.526+/-0.011 χ^2/NDF: 663711.6/78

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: -42.703+/-0.522 χ^2/NDF:1378.9/22

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: -41.773+/-0.372 χ^2/NDF: 2333.4/44

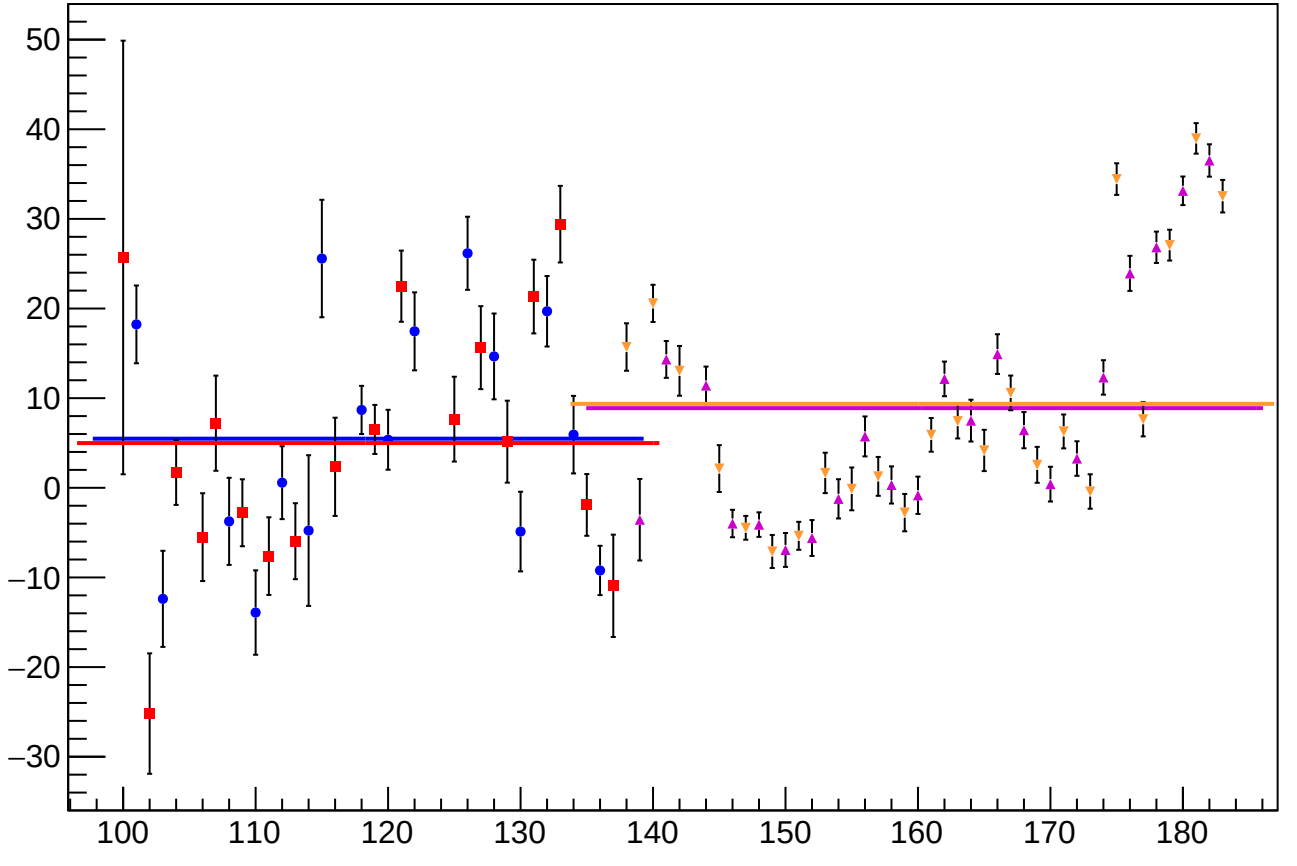
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -19.557+/-0.466 χ^2/NDF:9316.6/37

Out: -20.381+/-0.453 χ^2/NDF:10351.0/40

All: -19.980+/-0.325 χ^2/NDF: 19669.1/78

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: 9.365+/-0.404 χ^2/NDF:1221.0/22

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 8.886+/-0.413 χ^2/NDF:1034.2/21

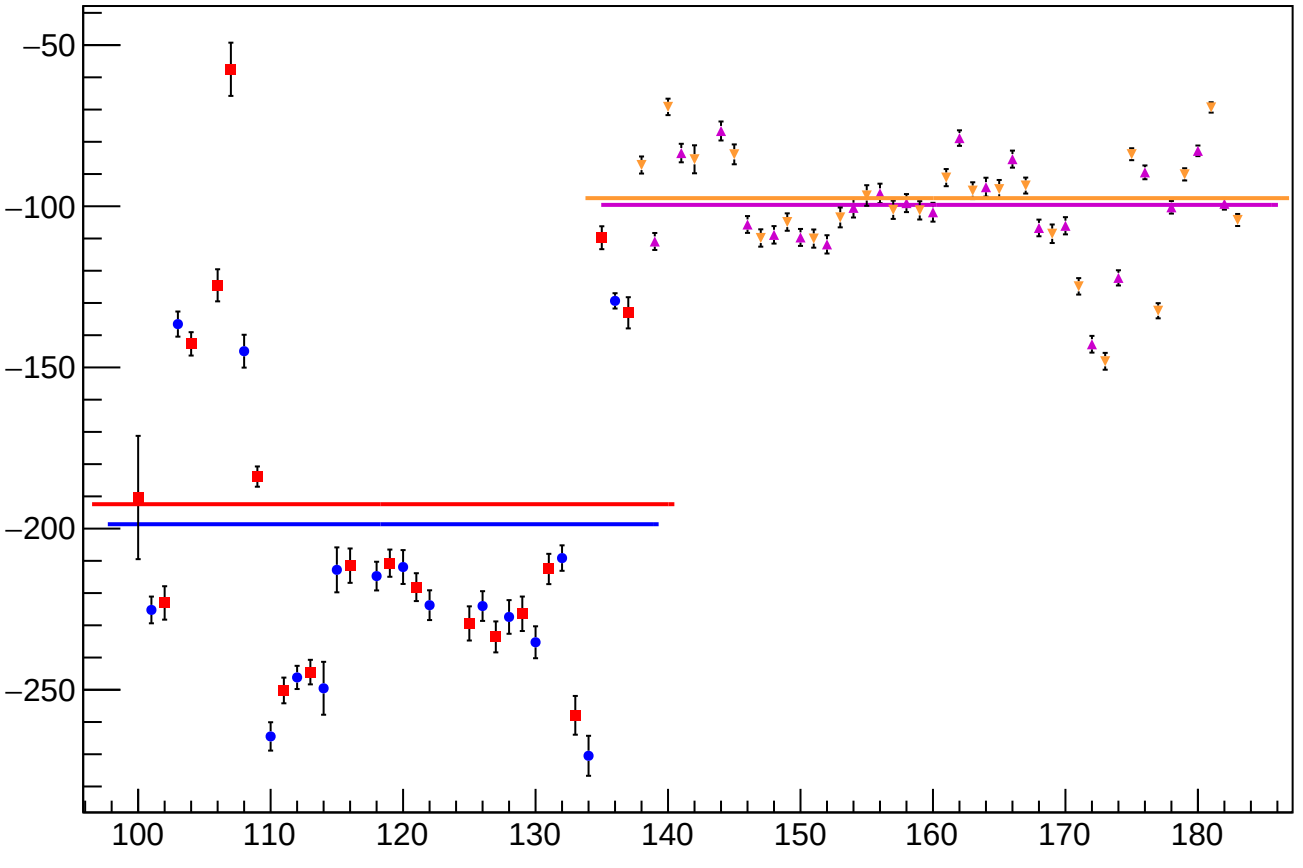
Left: 9.131+/-0.289 χ^2/NDF: 2255.9/44

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 8.408+/-0.383 χ^2/NDF:1181.9/37

Out: 8.774+/-0.376 χ^2/NDF:1368.7/40

All: 8.595+/-0.268 χ^2/NDF: 2551.0/78



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -97.479+/-0.518 χ^2/NDF:1345.0/22

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: -98.507+/-0.369 χ^2/NDF: 2132.1/44

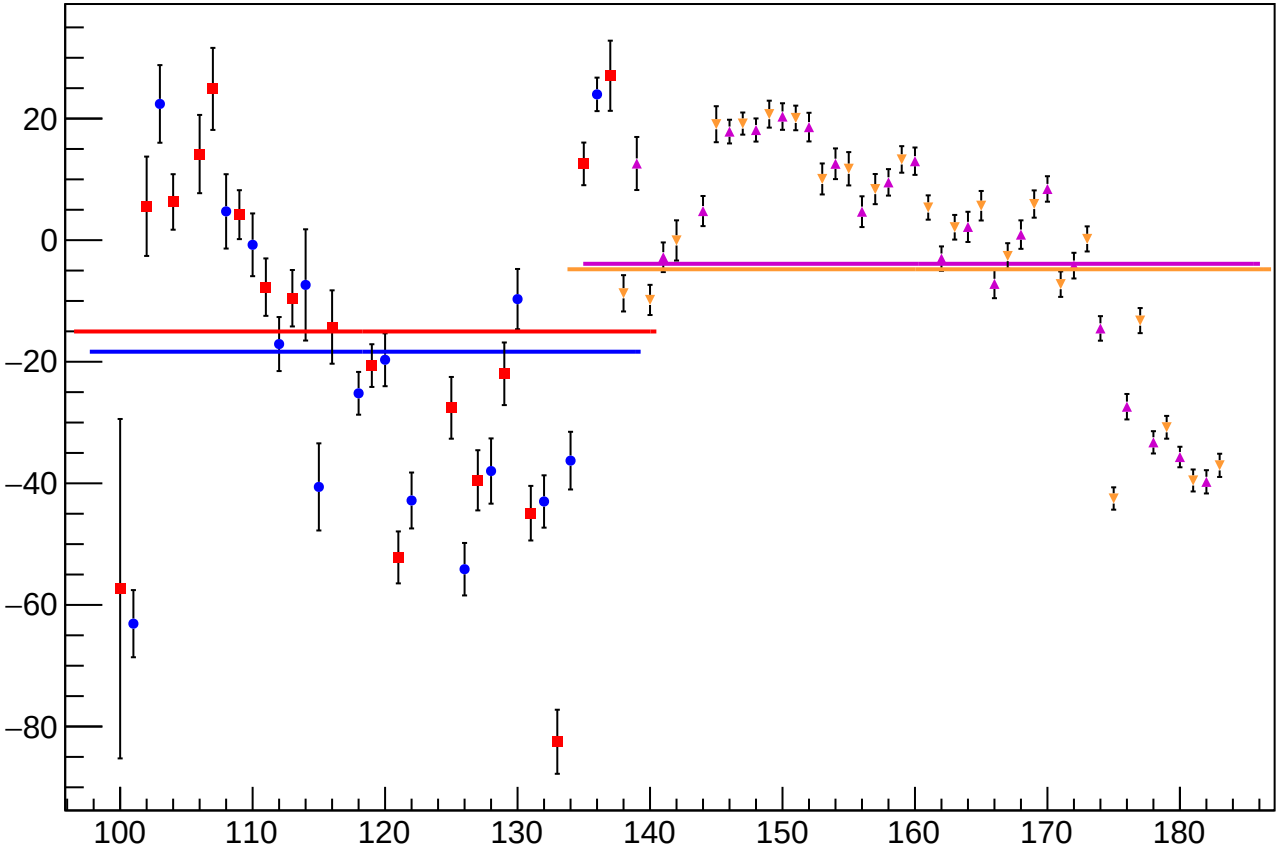
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -118.515+/-0.474 χ^2/NDF:9544.5/37

Out: -115.250+/-0.467 χ^2/NDF:9769.4/40

All: -116.860+/-0.333 χ^2/NDF: 19338.0/78

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: -4.788+/-0.455 χ^2/NDF:2069.2/22

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: -3.887+/-0.464 χ^2/NDF:1809.9/21

Left: -4.346+/-0.325 χ^2/NDF: 3881.0/44

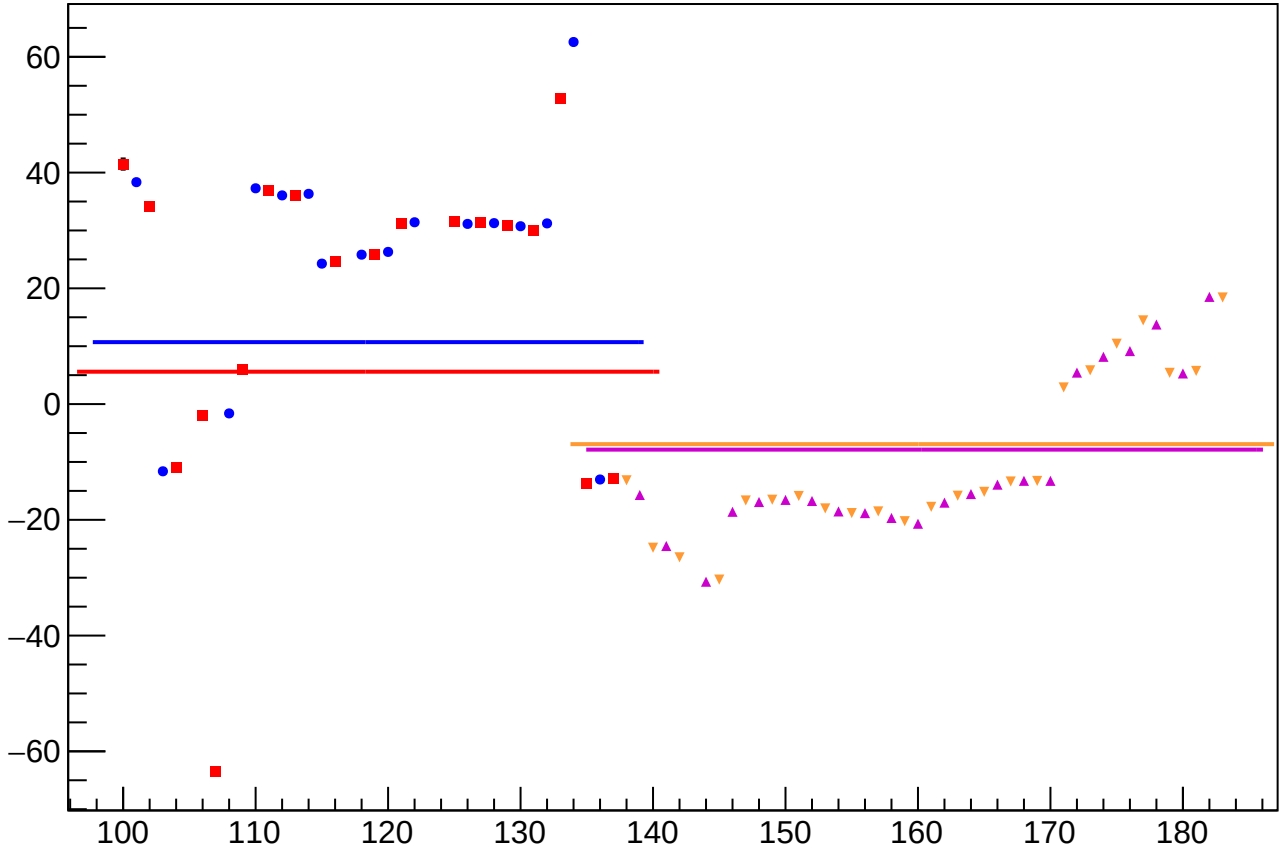
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: -5.881+/-0.430 χ^2/NDF:2487.9/37

Out: -6.148+/-0.424 χ^2/NDF:2682.9/40

All: -6.017+/-0.302 χ^2/NDF: 5171.0/78

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -6.923+/-0.020 χ^2/NDF:468693.4/22

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -7.871+/-0.021 χ^2/NDF:451285.7/21

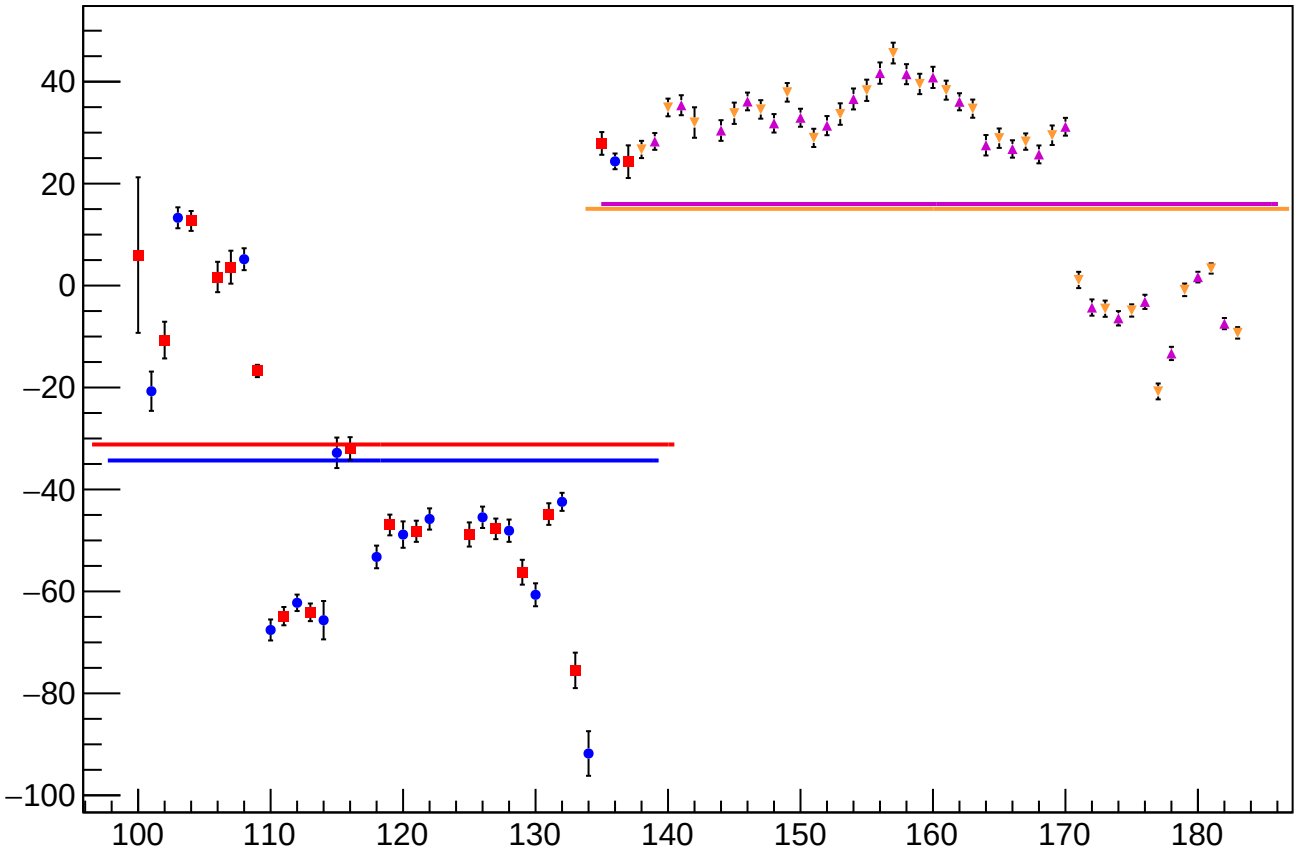
Left: -7.394+/-0.014 χ^2/NDF: 921053.5/44

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -6.084+/-0.020 χ^2/NDF:694957.5/37

Out: -5.755+/-0.019 χ^2/NDF:658768.5/40

All: -5.919+/-0.014 χ^2/NDF: 1353868.6/78



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 15.055+/-0.338 χ^2/NDF:3453.2/22

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: 15.520+/-0.241 χ^2/NDF: 6676.3/44

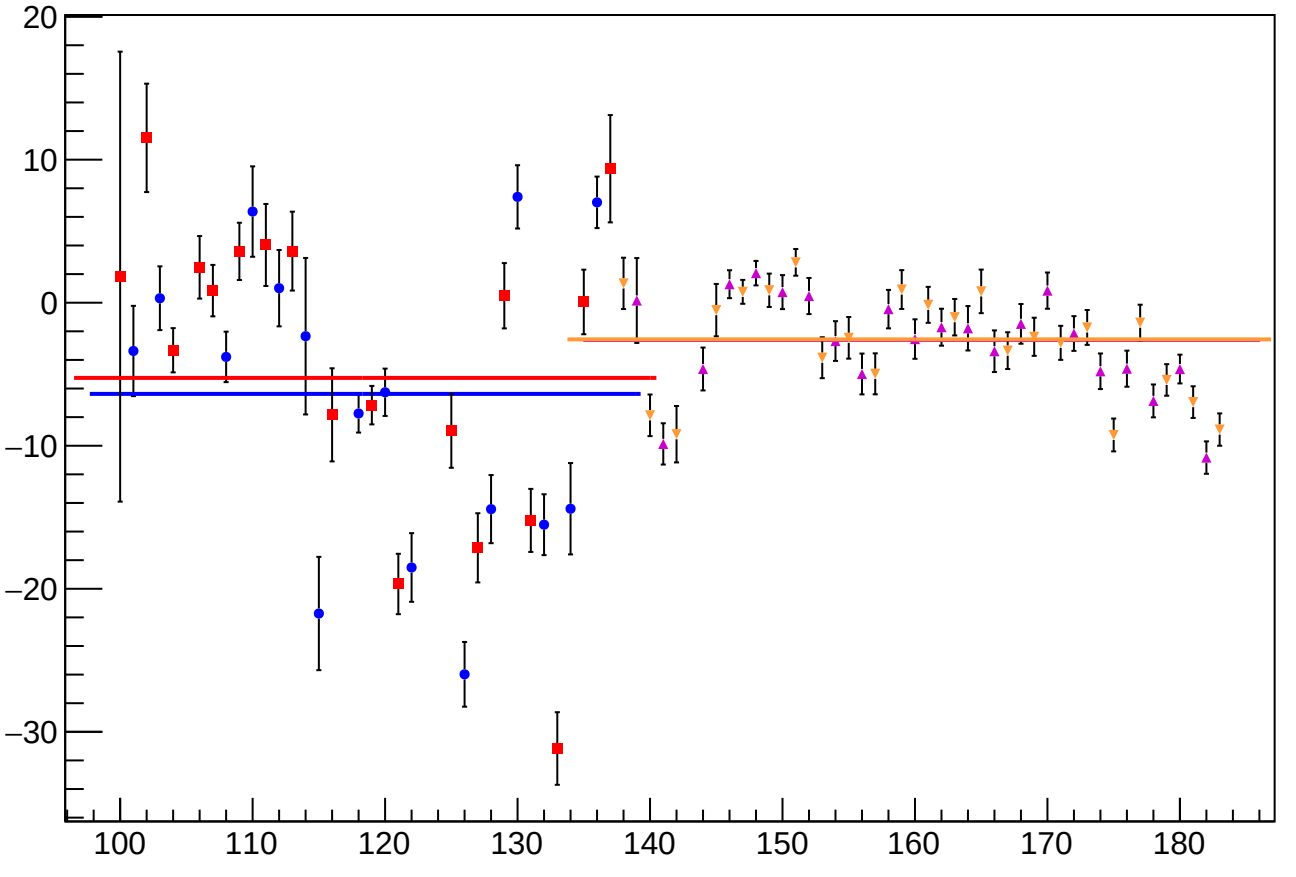
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 1.740+/-0.292 χ^2/NDF:12765.8/37

Out: 1.145+/-0.283 χ^2/NDF:12271.0/40

All: 1.434+/-0.203 χ^2/NDF: 25038.9/78

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -2.564+/-0.261 χ^2/NDF:197.7/22

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: -2.586+/-0.187 χ^2/NDF: 376.1/44

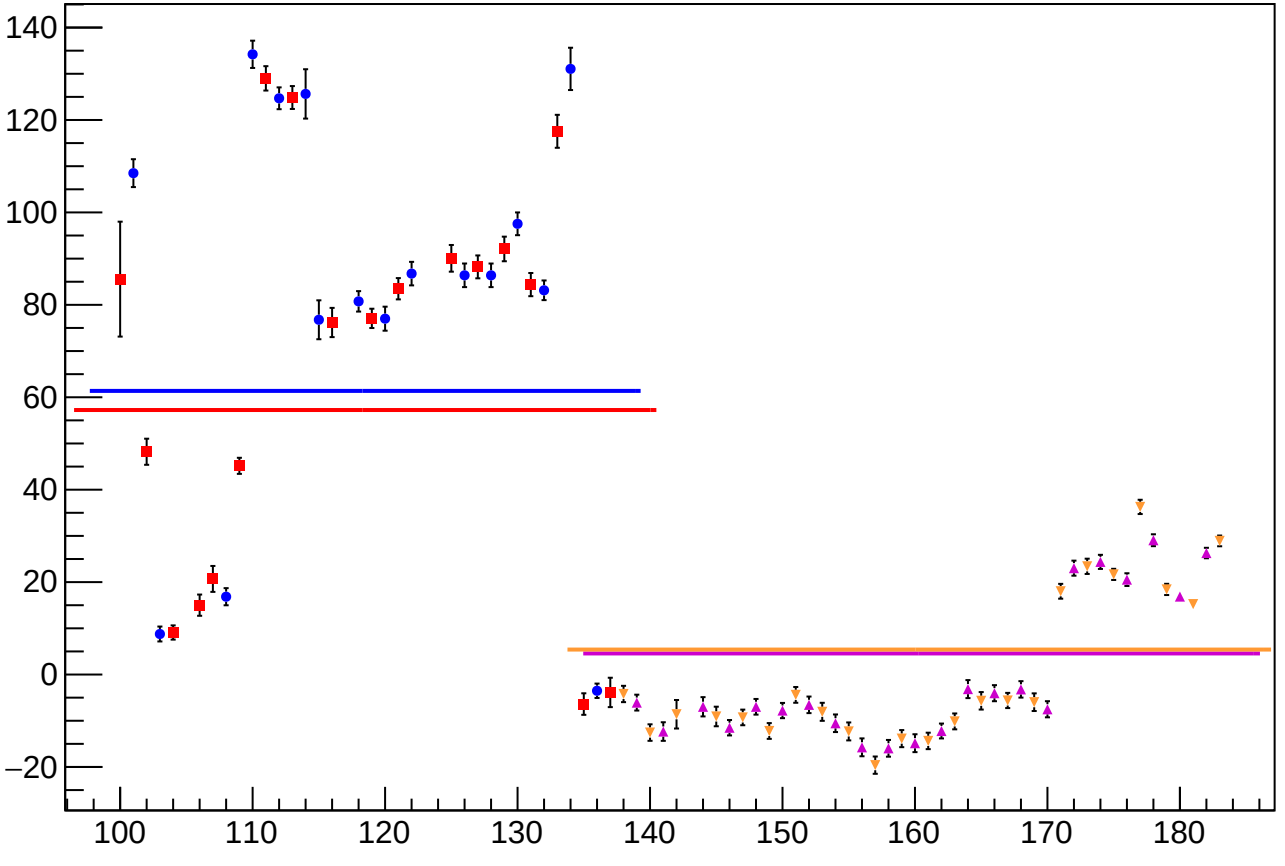
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -3.322+/-0.241 χ^2/NDF:499.5/37

Out: -3.086+/-0.234 χ^2/NDF:531.2/40

All: -3.201+/-0.168 χ^2/NDF: 1031.2/78

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: 5.405+/-0.336 χ^2/NDF:2524.9/22

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: 4.565+/-0.341 χ^2/NDF:2294.2/21

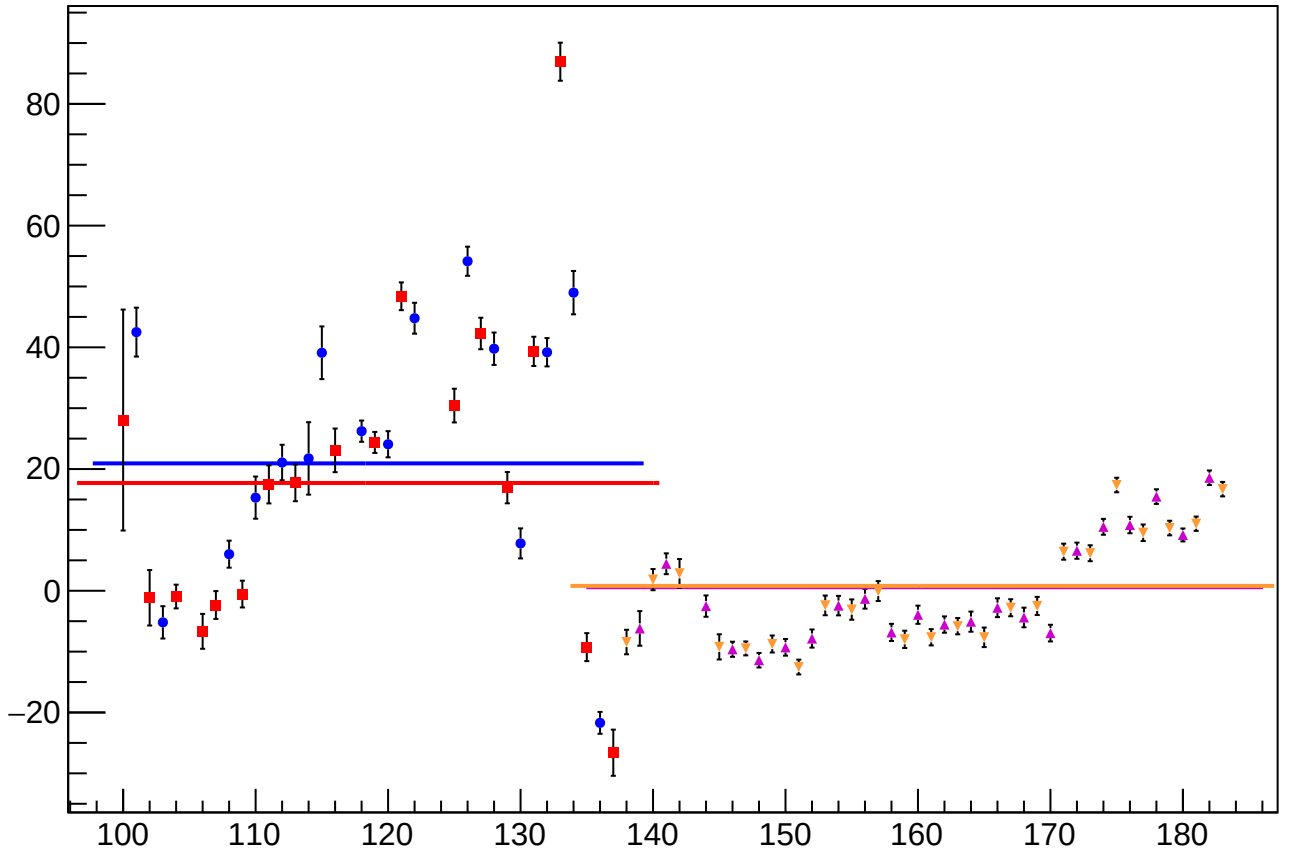
Left: 4.992+/-0.239 χ^2/NDF: 4822.2/44

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 18.648+/-0.296 χ^2/NDF:15233.8/37

Out: 18.407+/-0.291 χ^2/NDF:13772.0/40

All: 18.526+/-0.207 χ^2/NDF: 29006.2/78



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: 0.799+/-0.294 χ^2/NDF:1030.2/22

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: 0.696+/-0.210 χ^2/NDF: 1993.5/44

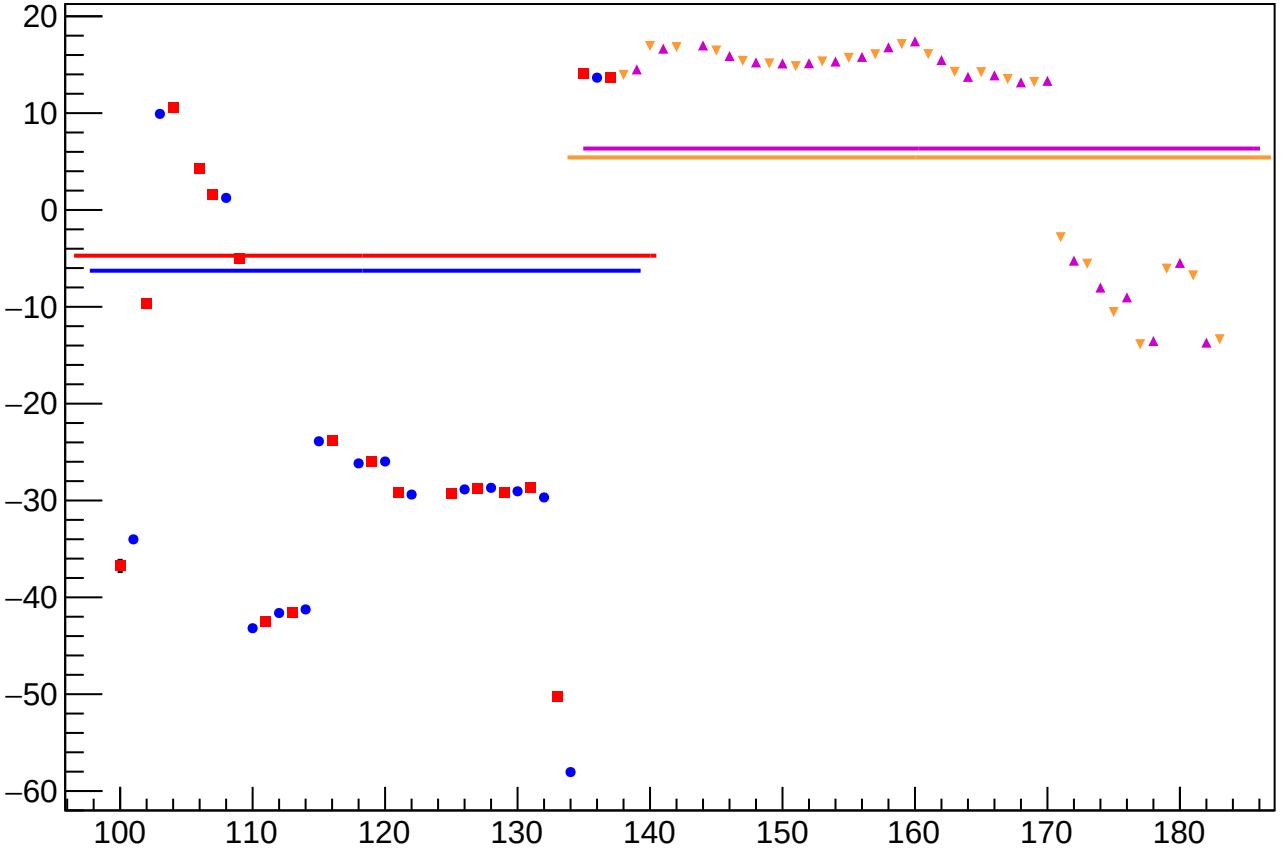
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 4.261+/-0.272 χ^2/NDF:3036.1/37

Out: 3.925+/-0.266 χ^2/NDF:3122.4/40

All: 4.089+/-0.190 χ^2/NDF: 6159.2/78

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 5.431+/-0.013 χ^2/NDF:816845.7/22

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: 5.884+/-0.009 χ^2/NDF: 1614521.6/44

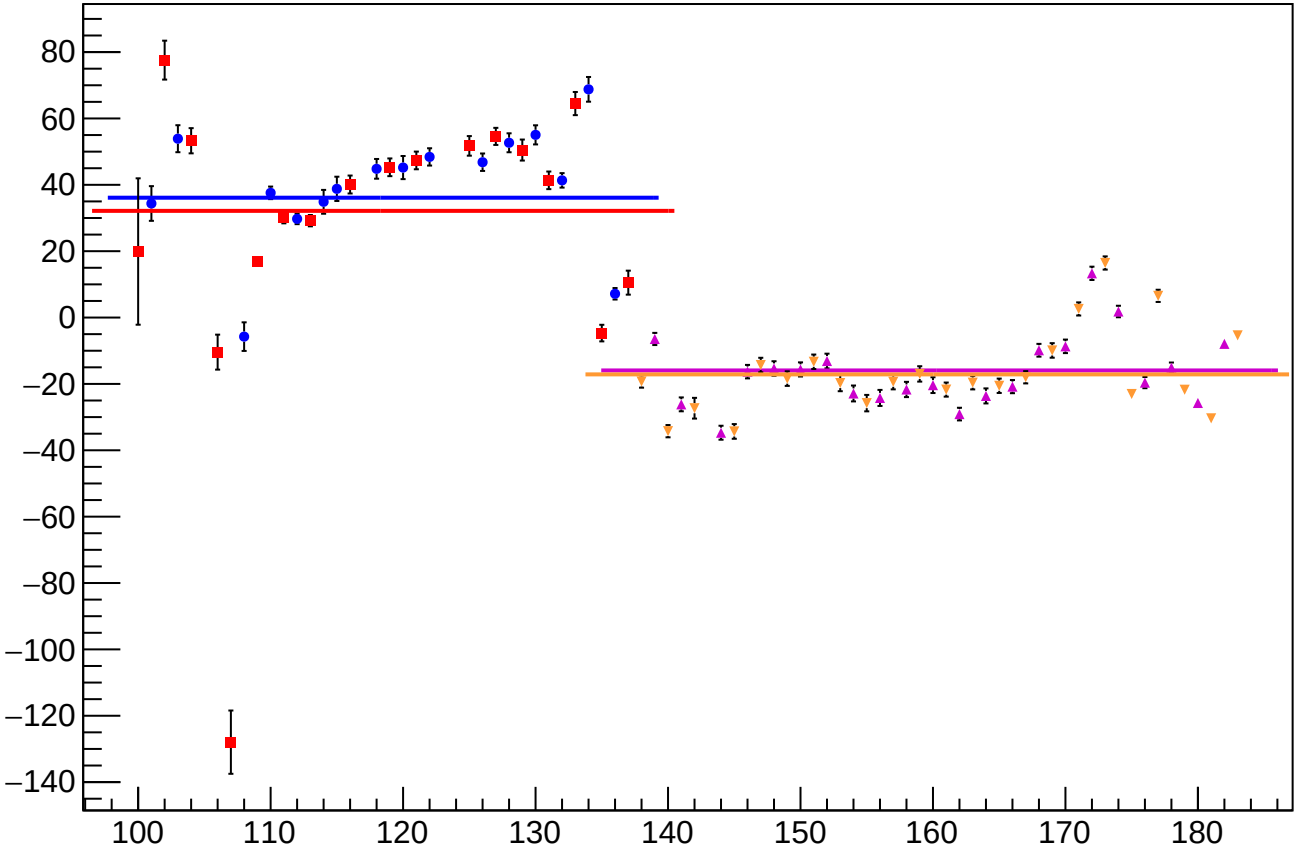
Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 4.617+/-0.012 χ^2/NDF:1328766.2/37

Out: 4.078+/-0.012 χ^2/NDF:1202198.5/40

All: 4.346+/-0.009 χ^2/NDF: 2531921.4/78

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -17.127+/-0.401 χ^2/NDF:949.6/22

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -15.940+/-0.408 χ^2/NDF:659.6/21

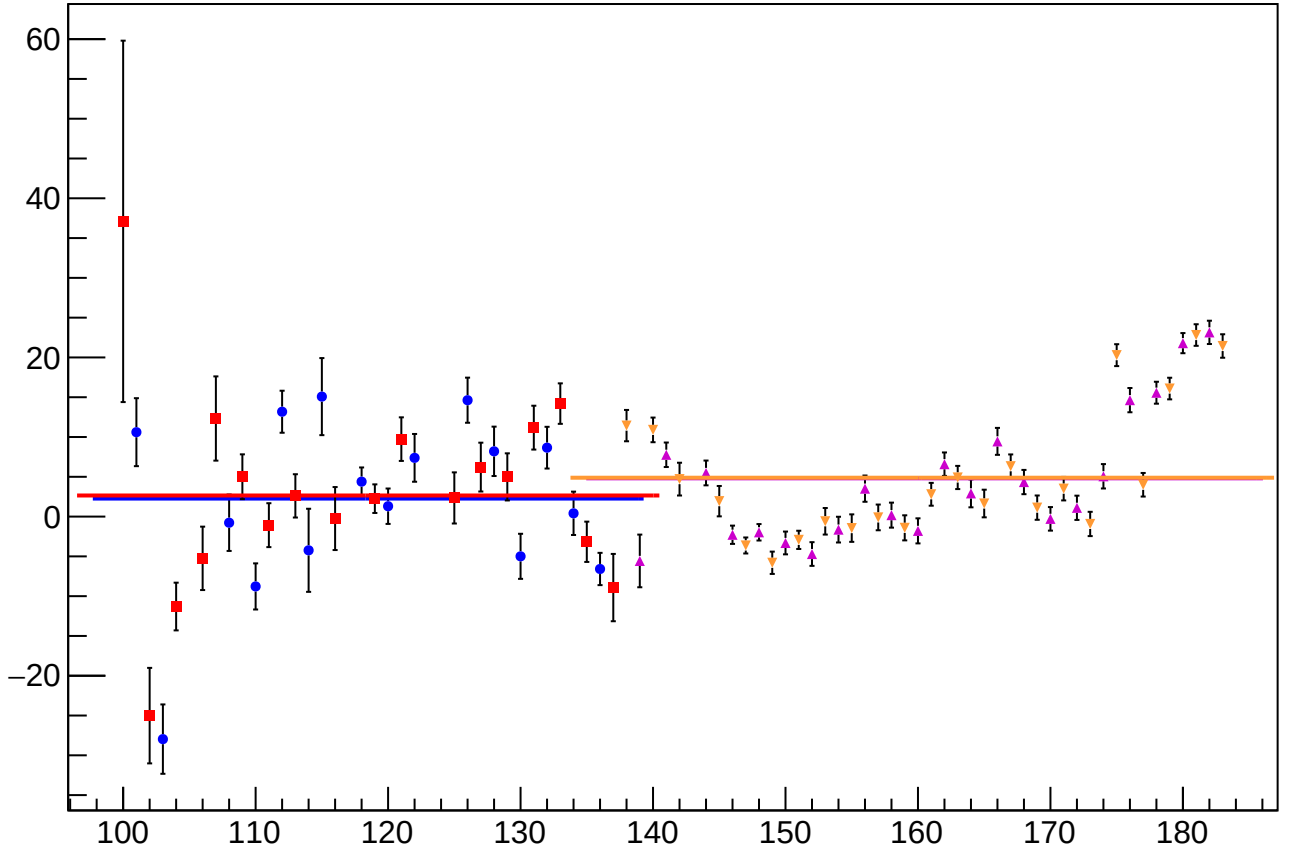
Left: -16.544+/-0.286 χ^2/NDF: 1613.6/44

Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: -1.419+/-0.347 χ^2/NDF:5817.5/37

Out: -2.944+/-0.338 χ^2/NDF:6412.8/40

All: -2.200+/-0.242 χ^2/NDF: 12240.2/78



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 4.885+/-0.308 χ^2/NDF:776.7/22

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: 4.847+/-0.221 χ^2/NDF: 1455.1/44

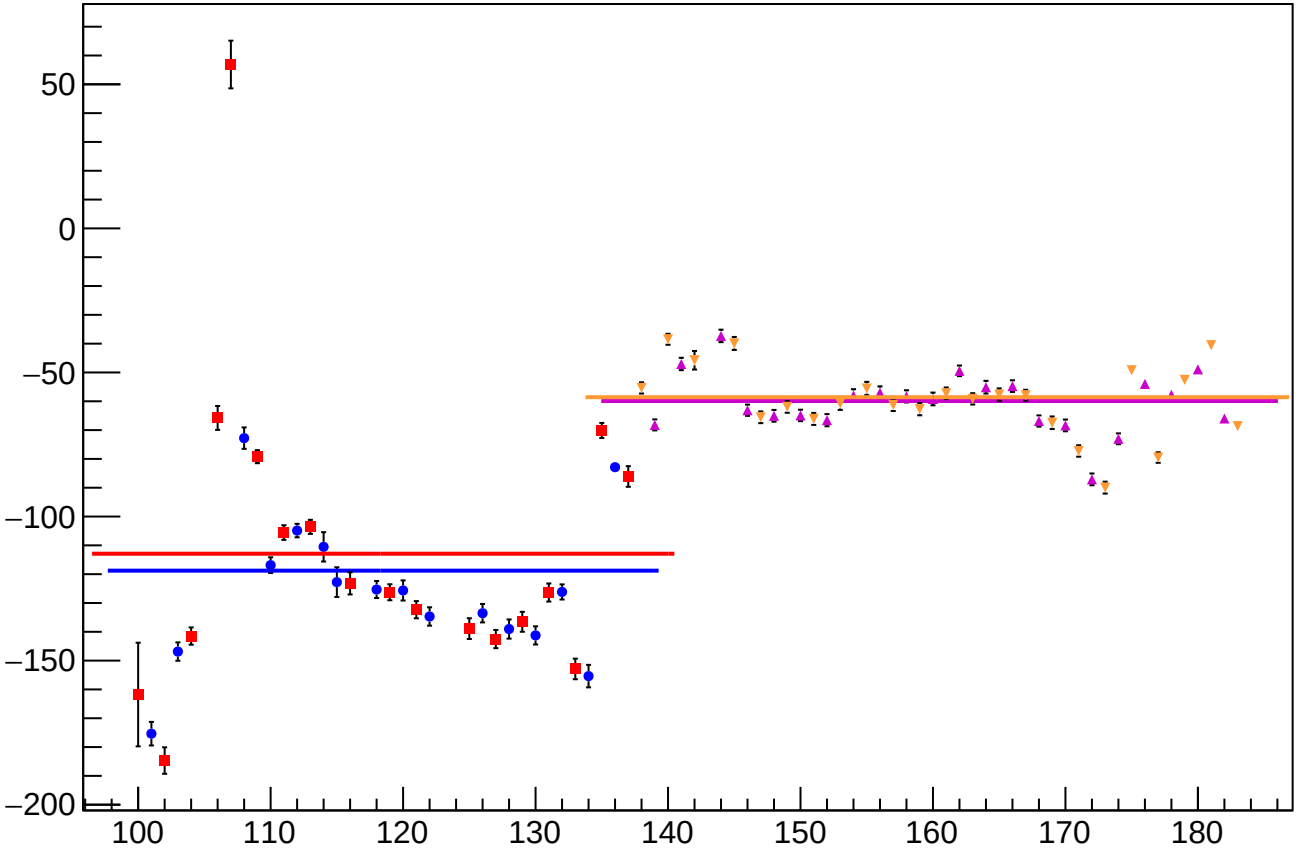
Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 4.379+/-0.288 χ^2/NDF:841.2/37

Out: 4.535+/-0.283 χ^2/NDF:892.2/40

All: 4.458+/-0.202 χ^2/NDF: 1733.6/78

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -58.586+/-0.398 χ^2/NDF:1000.2/22

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.910+/-0.404 χ^2/NDF:593.6/21

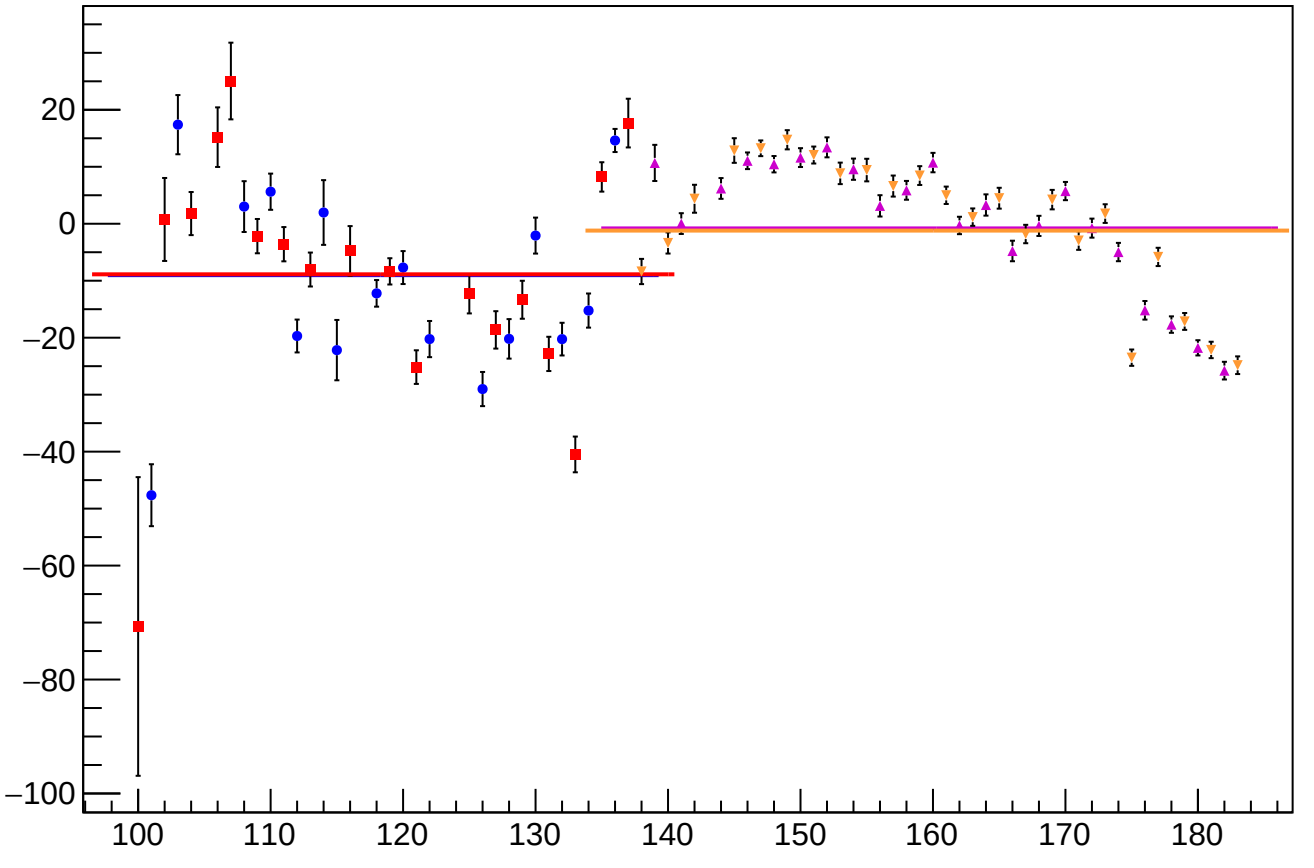
Left: -59.237+/-0.283 χ^2/NDF: 1599.2/44

Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -72.970+/-0.356 χ^2/NDF:6421.0/37

Out: -70.236+/-0.352 χ^2/NDF:6864.7/40

All: -71.587+/-0.251 χ^2/NDF: 13315.5/78



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: -1.201+/-0.348 χ^2/NDF:1301.0/22

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: -1.015+/-0.248 χ^2/NDF: 2429.0/44

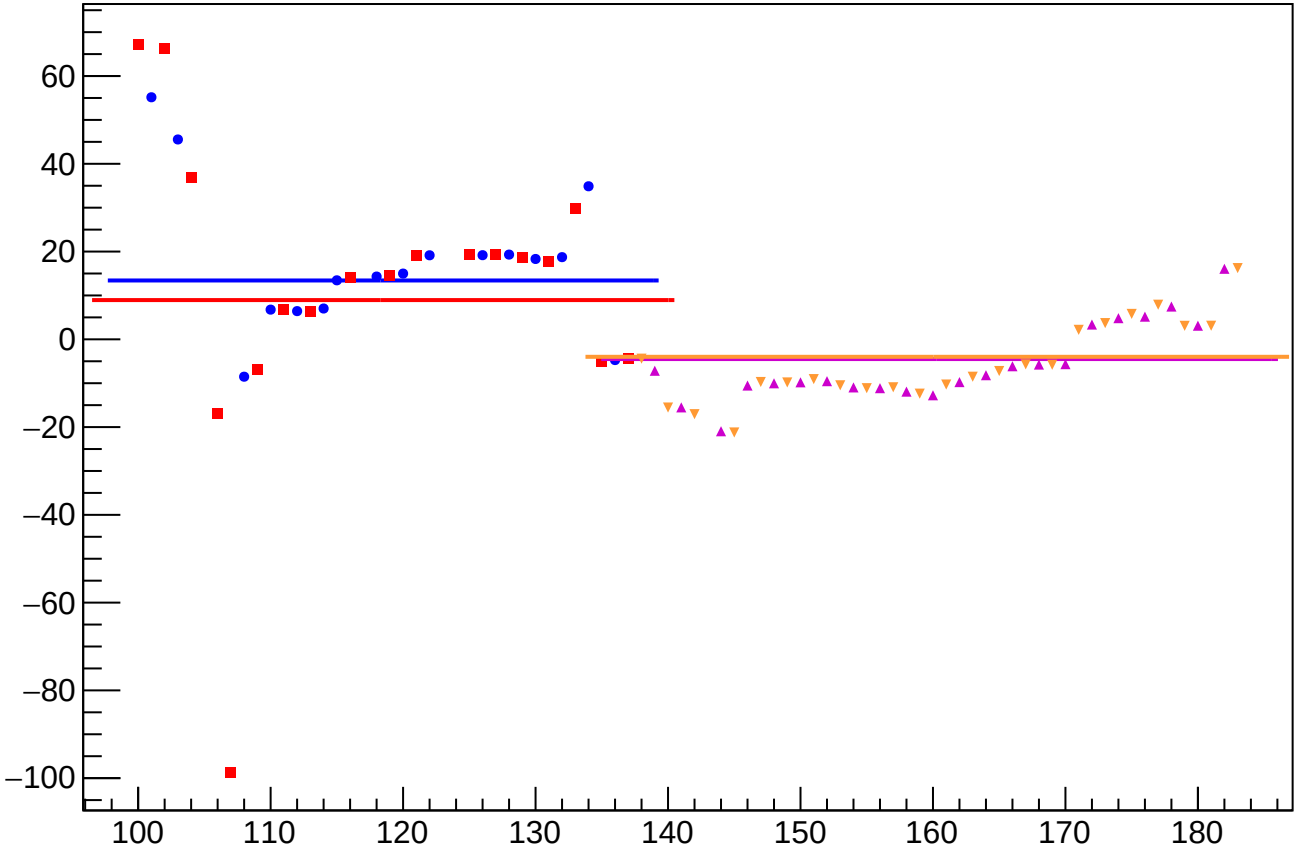
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: -2.182+/-0.324 χ^2/NDF:1574.0/37

Out: -2.396+/-0.320 χ^2/NDF:1695.5/40

All: -2.290+/-0.228 χ^2/NDF: 3269.7/78

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -3.983+/-0.016 χ^2/NDF:318551.2/22

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -4.495+/-0.016 χ^2/NDF:298494.2/21

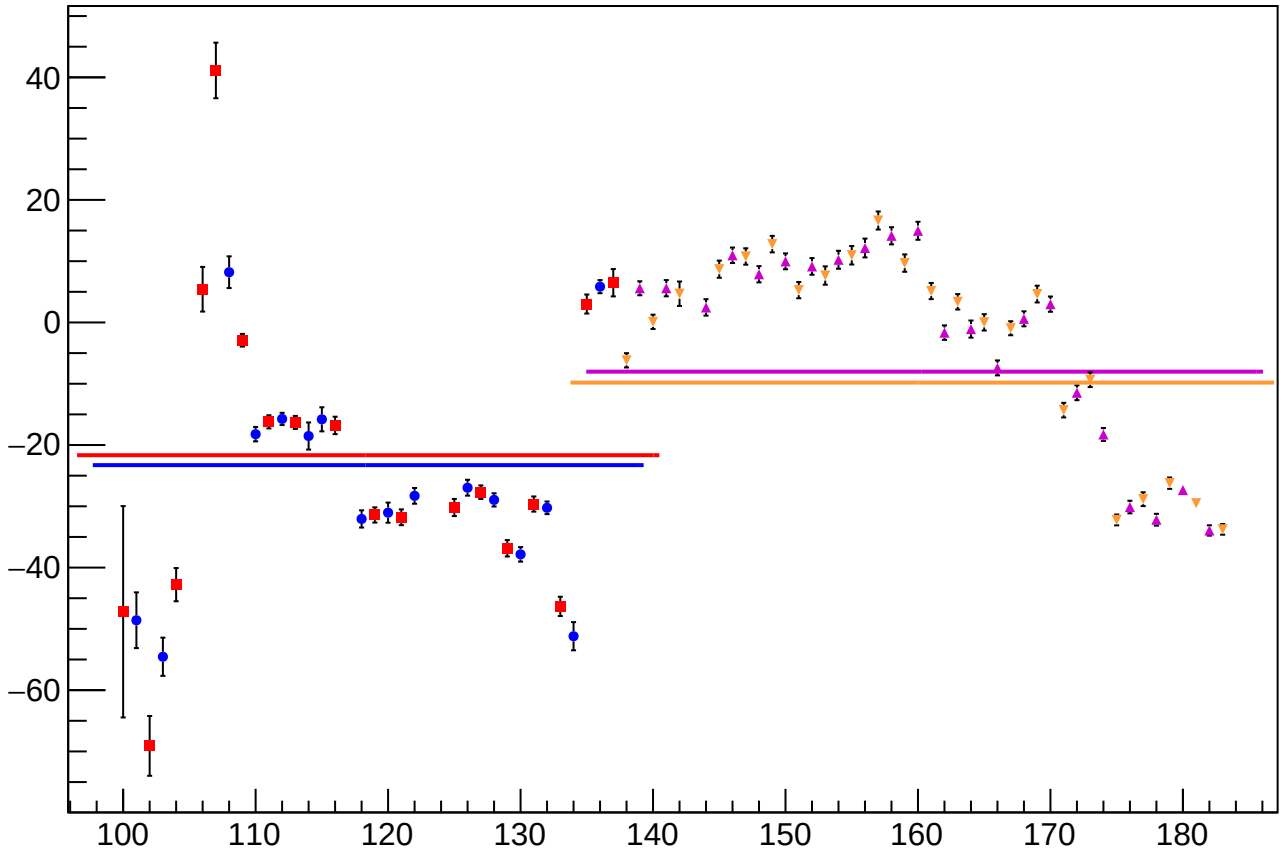
Left: -4.237+/-0.011 χ^2/NDF: 617582.1/44

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -2.577+/-0.015 χ^2/NDF:621839.0/37

Out: -2.721+/-0.015 χ^2/NDF:676780.5/40

All: -2.649+/-0.010 χ^2/NDF: 1298666.3/78



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -9.809+/-0.246 χ^2/NDF:4935.5/22

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: -8.027+/-0.251 χ^2/NDF:4758.0/21

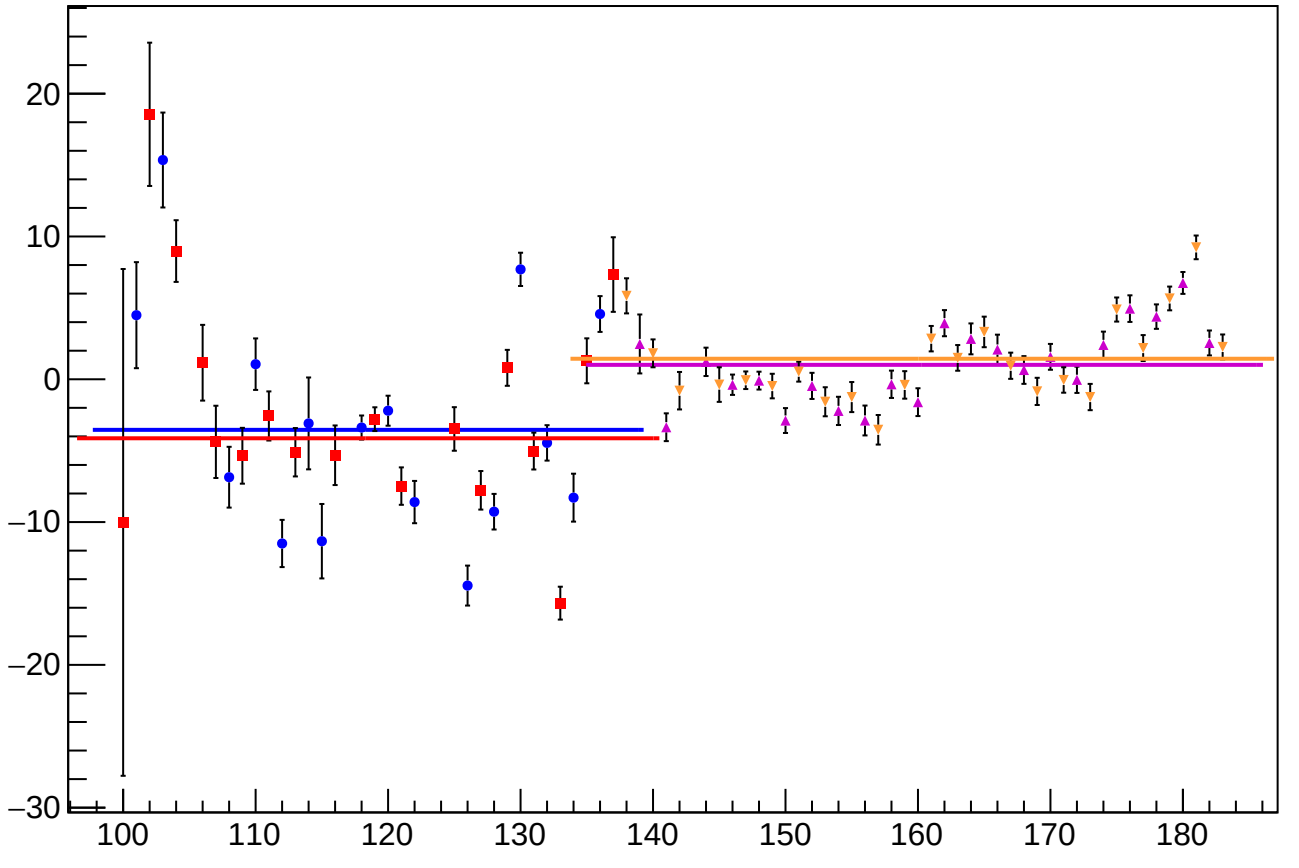
Left: -8.935+/-0.176 χ^2/NDF: 9719.2/44

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -13.200+/-0.204 χ^2/NDF:7578.4/37

Out: -13.775+/-0.201 χ^2/NDF:7523.6/40

All: -13.492+/-0.143 χ^2/NDF: 15106.0/78



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 1.438+/-0.190 χ^2/NDF:228.0/22

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 1.010+/-0.194 χ^2/NDF:194.7/21

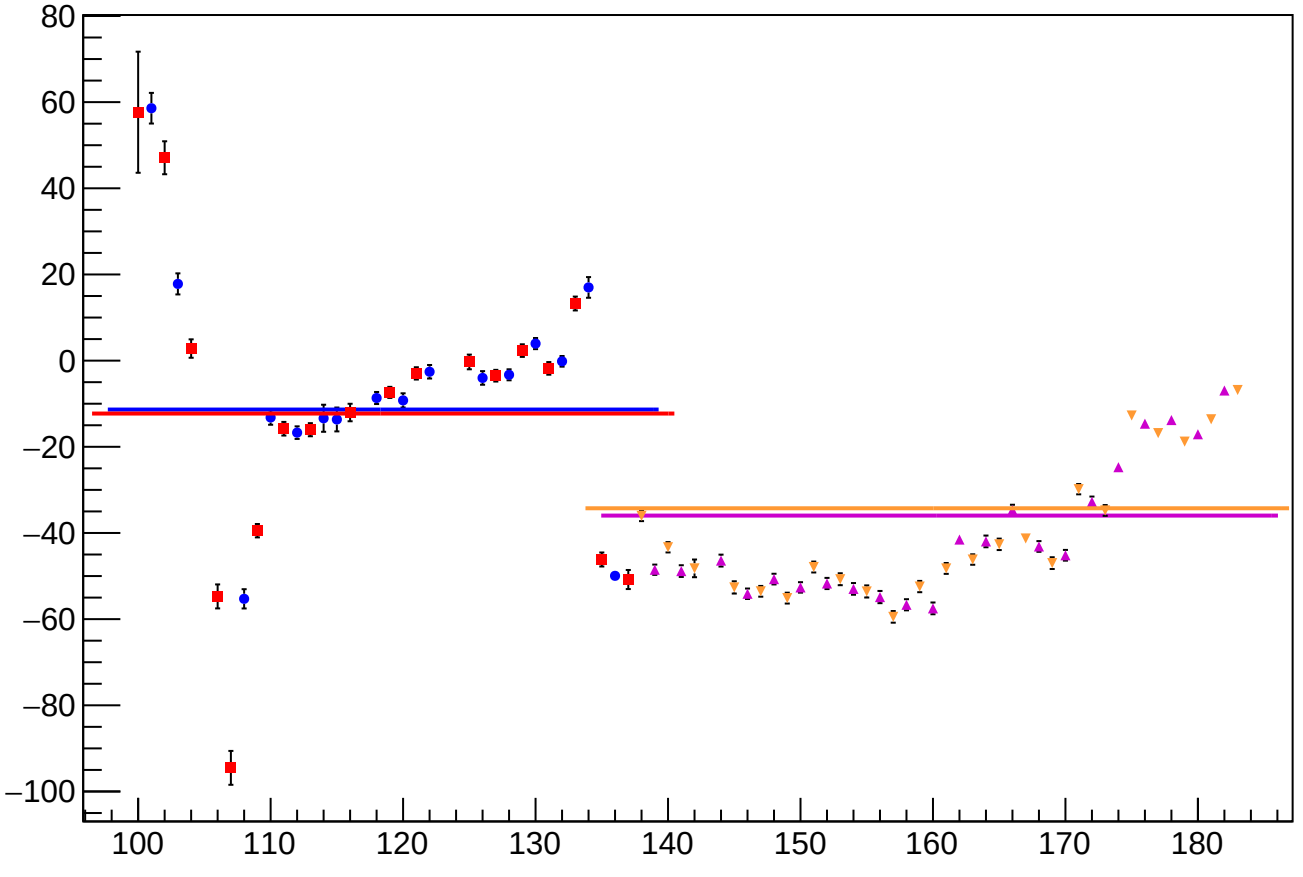
Left: 1.229+/-0.136 χ^2/NDF: 425.2/44

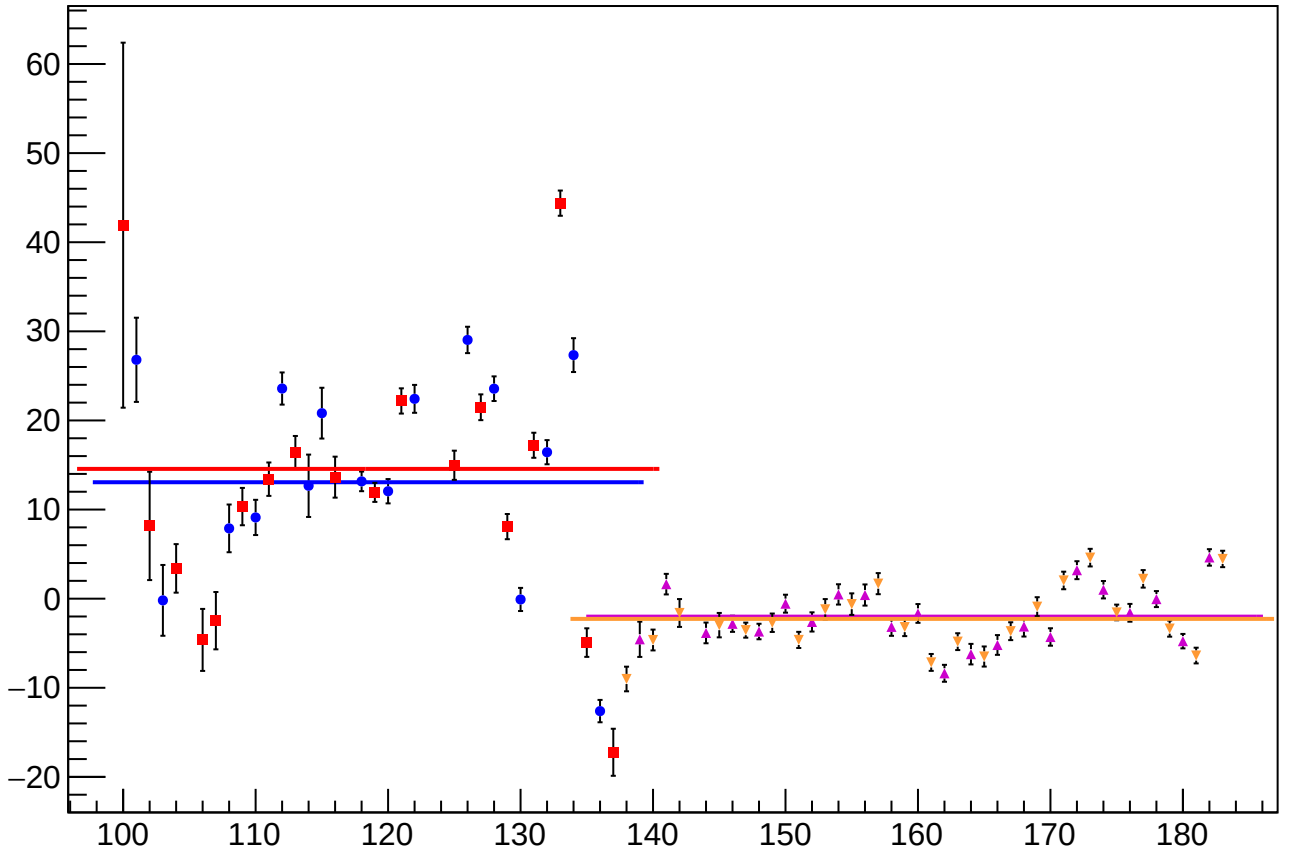
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

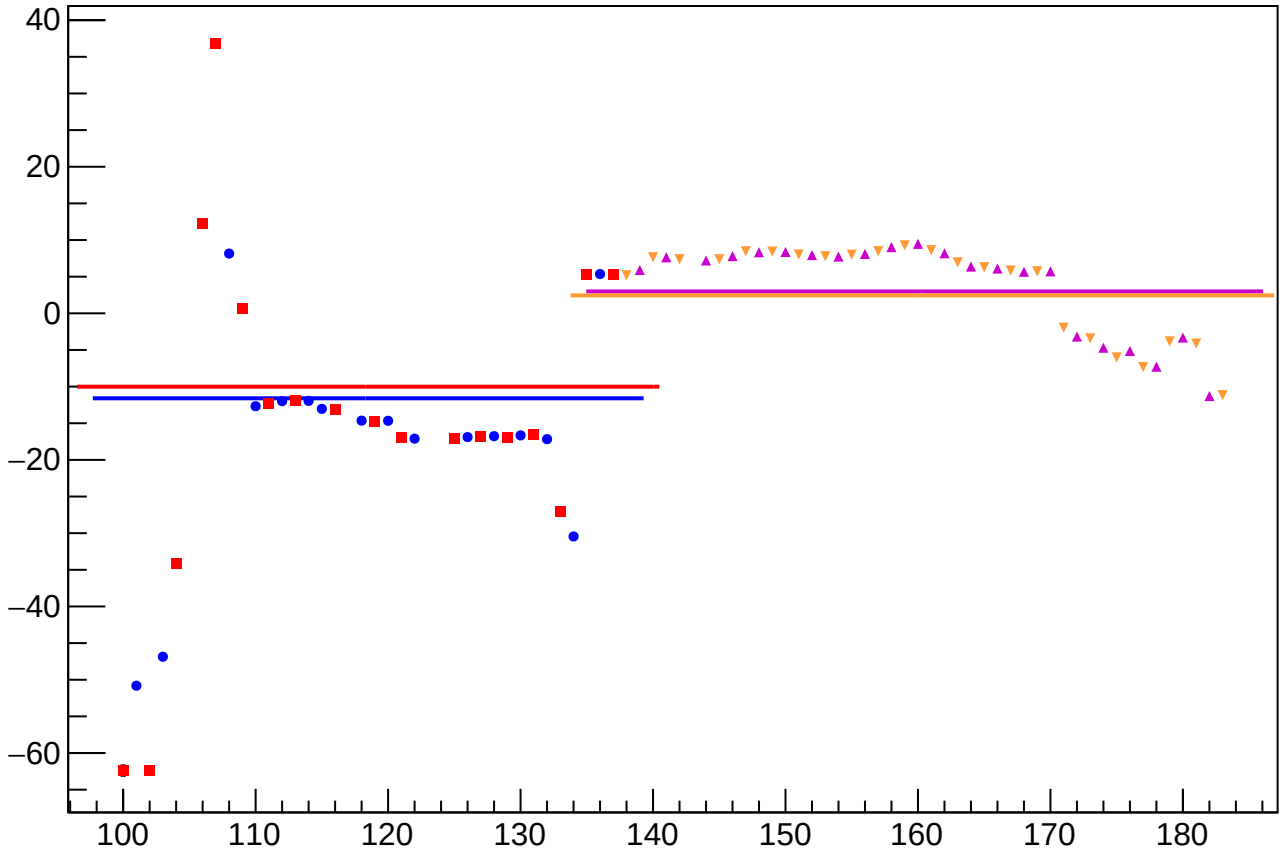
In: -0.003+/-0.171 χ^2/NDF:633.9/37

Out: 0.283+/-0.169 χ^2/NDF:634.4/40

All: 0.142+/-0.120 χ^2/NDF: 1269.7/78


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_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: -11.355+/-0.406 χ²/NDF: 2661.6/15
Left Out: -34.268+/-0.244 χ²/NDF:4905.3/22
Right Out: -12.281+/-0.413 χ²/NDF: 2590.4/17
Left In: -35.964+/-0.248 χ²/NDF:4690.3/21
Left: -35.102+/-0.174 χ²/NDF: 9619.3/44
Right: -11.809+/-0.289 χ²/NDF: 5254.6/33
In: -29.251+/-0.212 χ²/NDF:10028.0/37
Out: -28.570+/-0.210 χ²/NDF:9593.9/40
All: -28.908+/-0.149 χ²/NDF: 19627.1/78


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: -2.268+/-0.214 χ²/NDF:269.5/22
Right Out: 14.563+/-0.423 χ²/NDF: 903.1/17
Left In: -2.016+/-0.218 χ²/NDF:208.7/21
Left: -2.145+/-0.153 χ²/NDF: 478.9/44
Right: 13.801+/-0.296 χ²/NDF: 1772.9/33
In: 1.256+/-0.193 χ²/NDF:2107.7/37
Out: 1.164+/-0.191 χ²/NDF:2436.1/40
All: 1.209+/-0.136 χ²/NDF: 4543.9/78



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 2.445+/-0.010 χ^2/NDF:474617.5/22

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 2.984+/-0.010 χ^2/NDF:454999.1/21

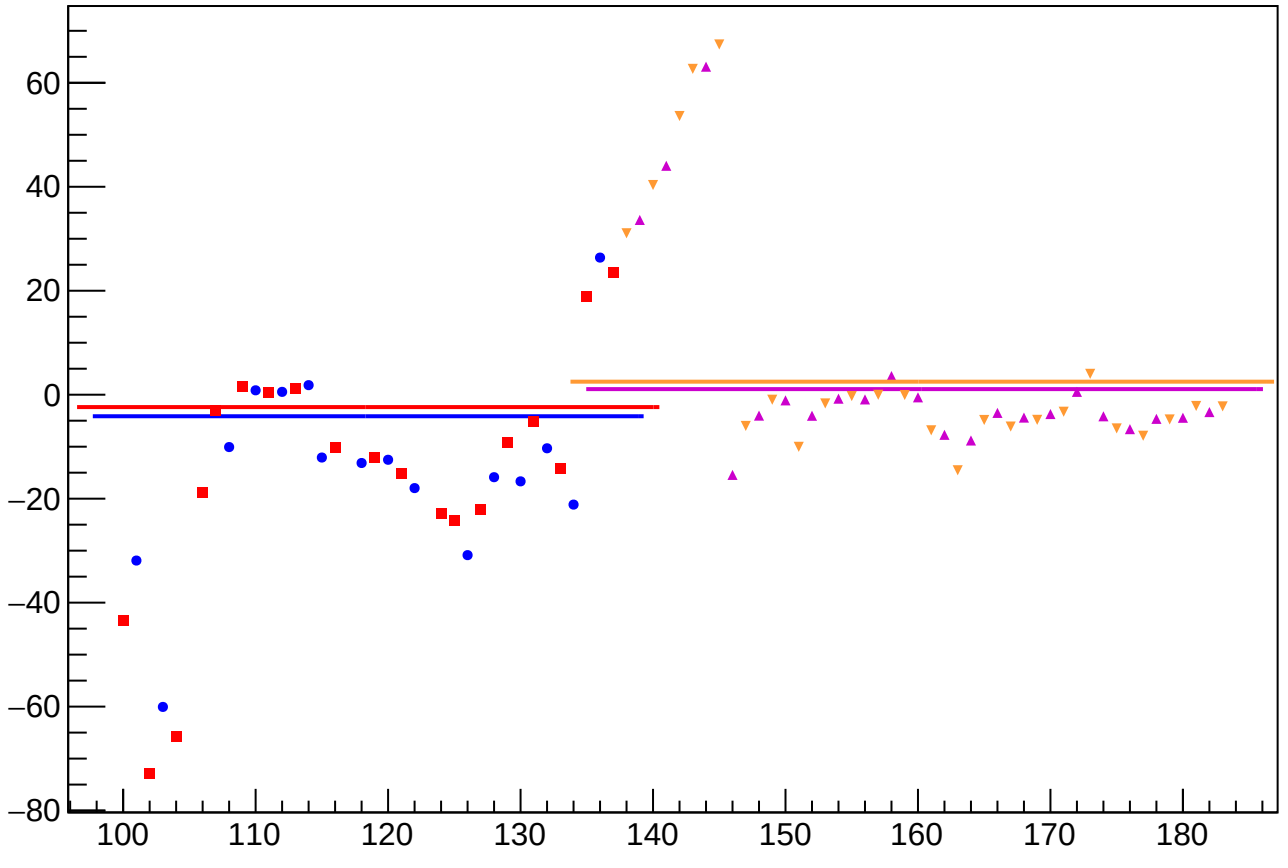
Left: 2.712+/-0.007 χ^2/NDF: 931184.7/44

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 1.254+/-0.009 χ^2/NDF:1086167.5/37

Out: 1.090+/-0.009 χ^2/NDF:1054491.0/40

All: 1.172+/-0.006 χ^2/NDF: 2140823.5/78



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 2.508+/-0.041 χ^2/NDF:176294.7/23

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 1.075+/-0.041 χ^2/NDF:132272.3/21

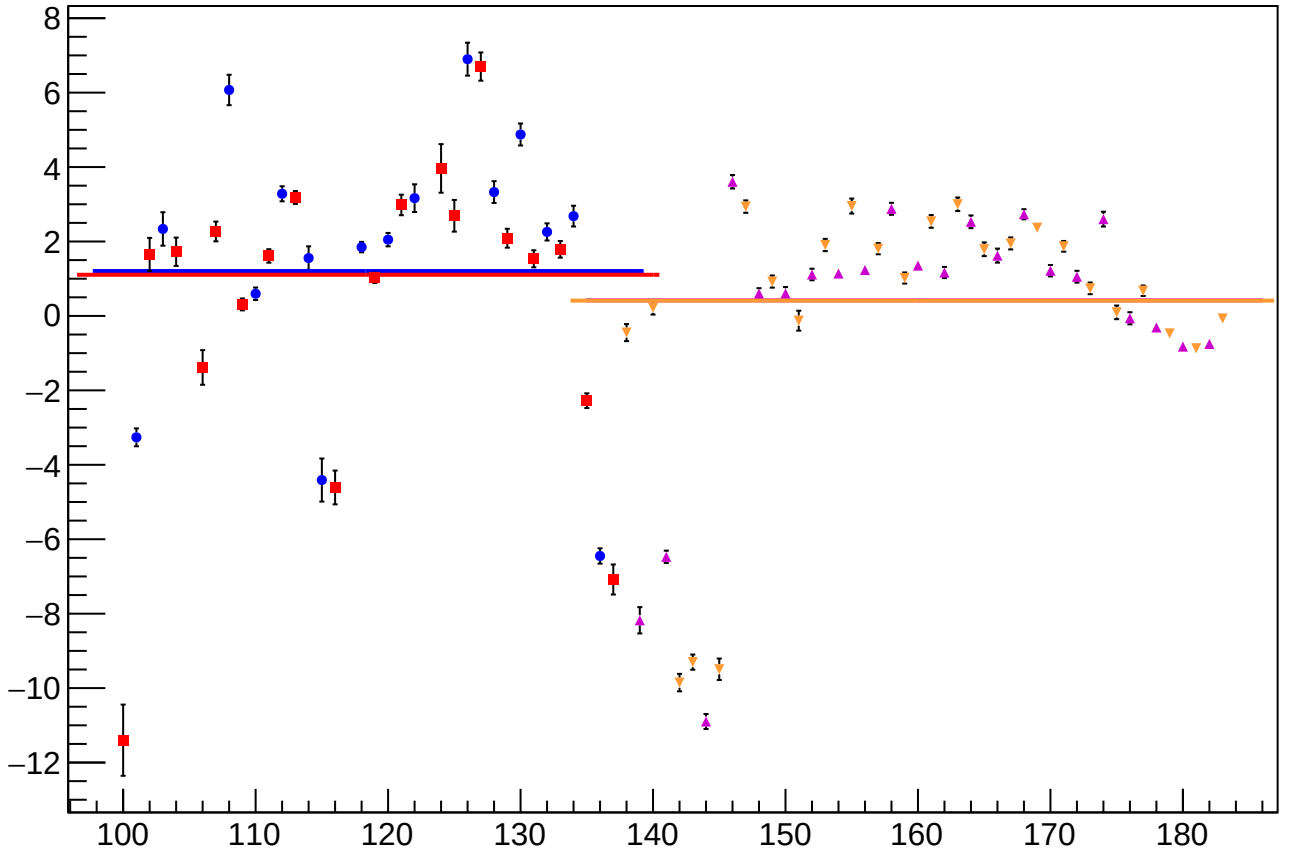
Left: 1.789+/-0.029 χ^2/NDF: 309186.9/45

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: -0.782+/-0.033 χ^2/NDF:213406.6/37

Out: 0.364+/-0.031 χ^2/NDF:263352.0/42

All: -0.171+/-0.022 χ^2/NDF: 477416.3/80



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.412+/-0.033 χ^2/NDF:6995.3/23

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.419+/-0.032 χ^2/NDF:7099.1/21

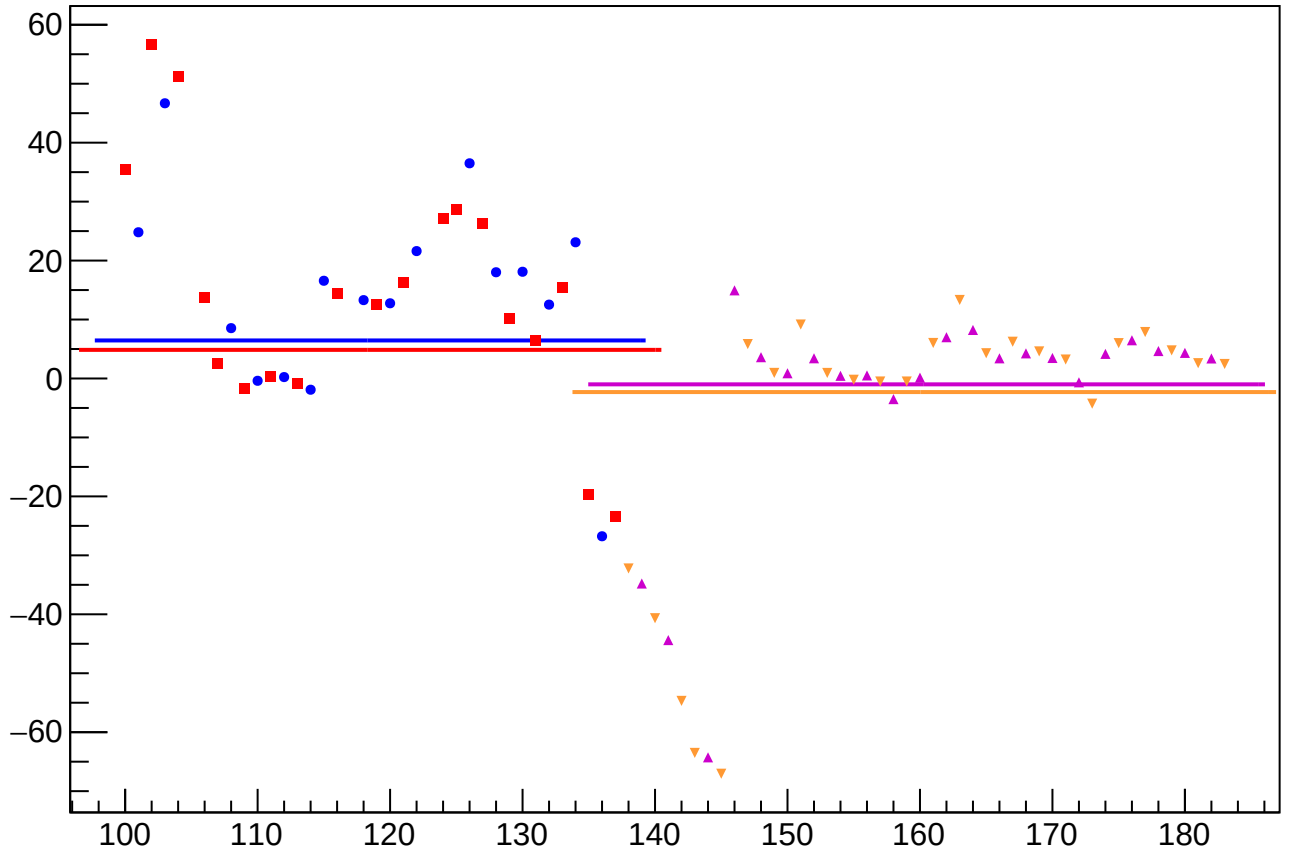
Left: 0.415+/-0.023 χ^2/NDF: 14094.4/45

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.589+/-0.028 χ^2/NDF:9816.5/37

Out: 0.587+/-0.029 χ^2/NDF:8692.6/42

All: 0.588+/-0.020 χ^2/NDF: 18509.1/80



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -2.304+/-0.041 χ^2/NDF:170576.8/23

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: -1.637+/-0.029 χ^2/NDF: 300044.4/45

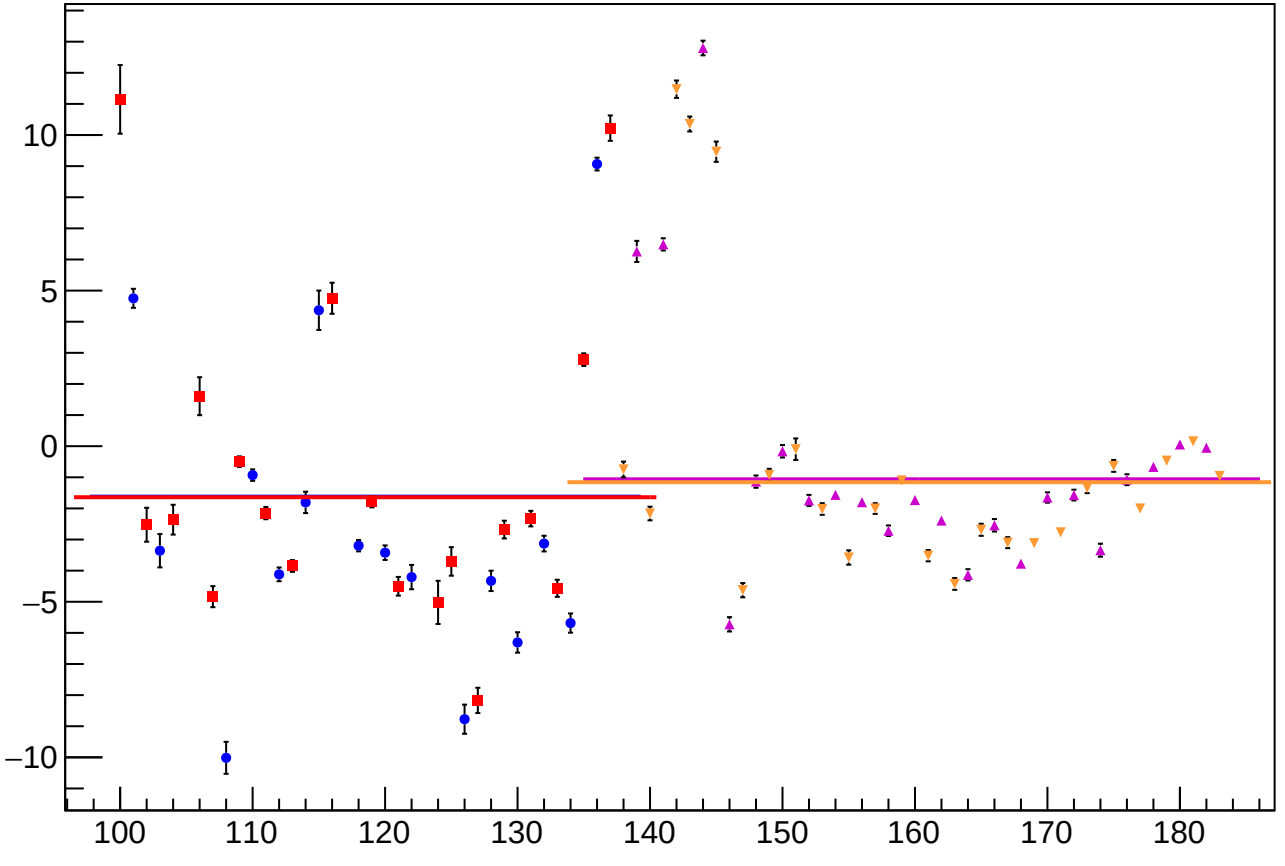
Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: 1.040+/-0.034 χ^2/NDF:209091.0/37

Out: -0.003+/-0.034 χ^2/NDF:255777.4/42

All: 0.510+/-0.024 χ^2/NDF: 465344.0/80

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.158+/-0.037 χ^2/NDF:6929.4/23

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: -1.109+/-0.025 χ^2/NDF: 13935.9/45

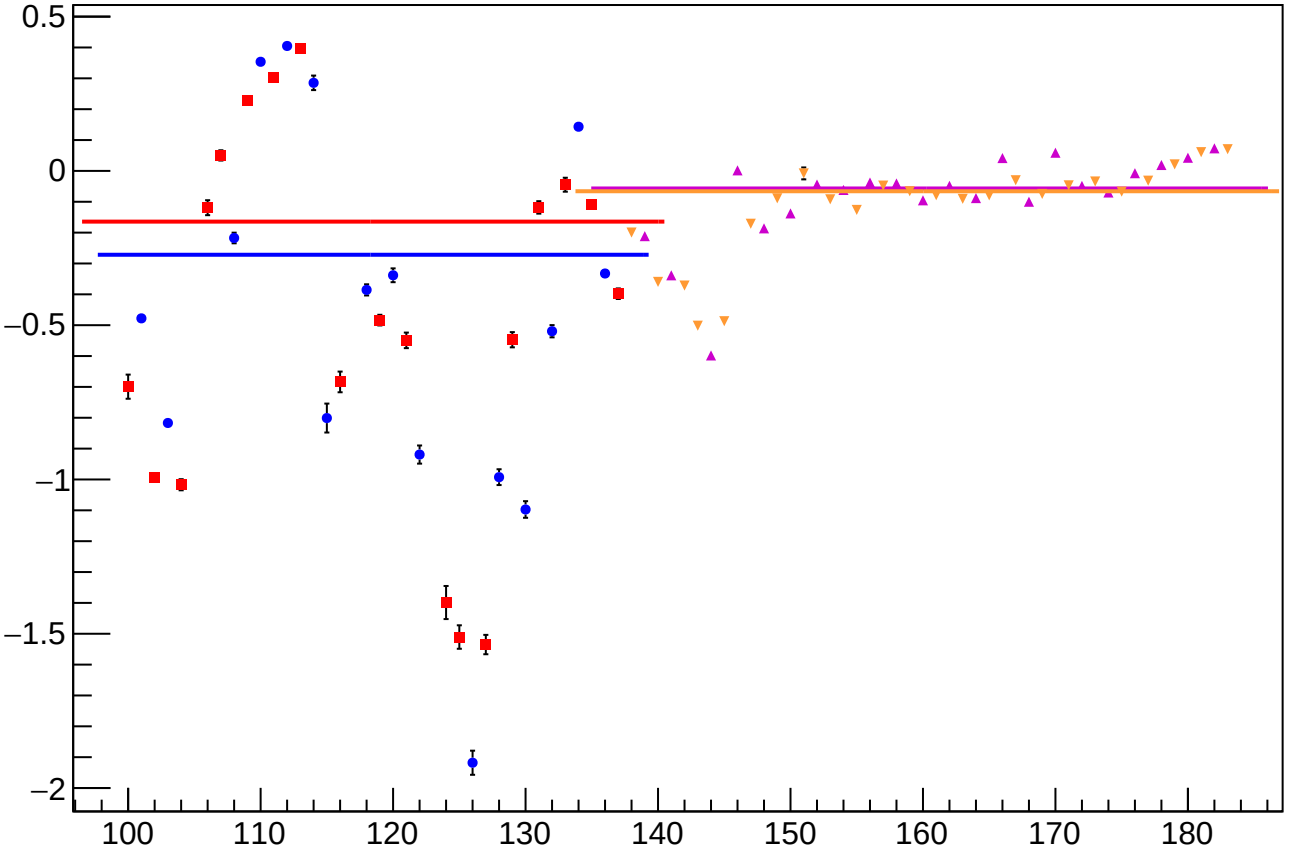
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.179+/-0.031 χ^2/NDF:11579.3/37

Out: -1.276+/-0.032 χ^2/NDF:9433.8/42

All: -1.226+/-0.022 χ^2/NDF: 21017.8/80

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.066+/-0.002 χ^2/NDF:5478.8/23

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.057+/-0.002 χ^2/NDF:4869.6/21

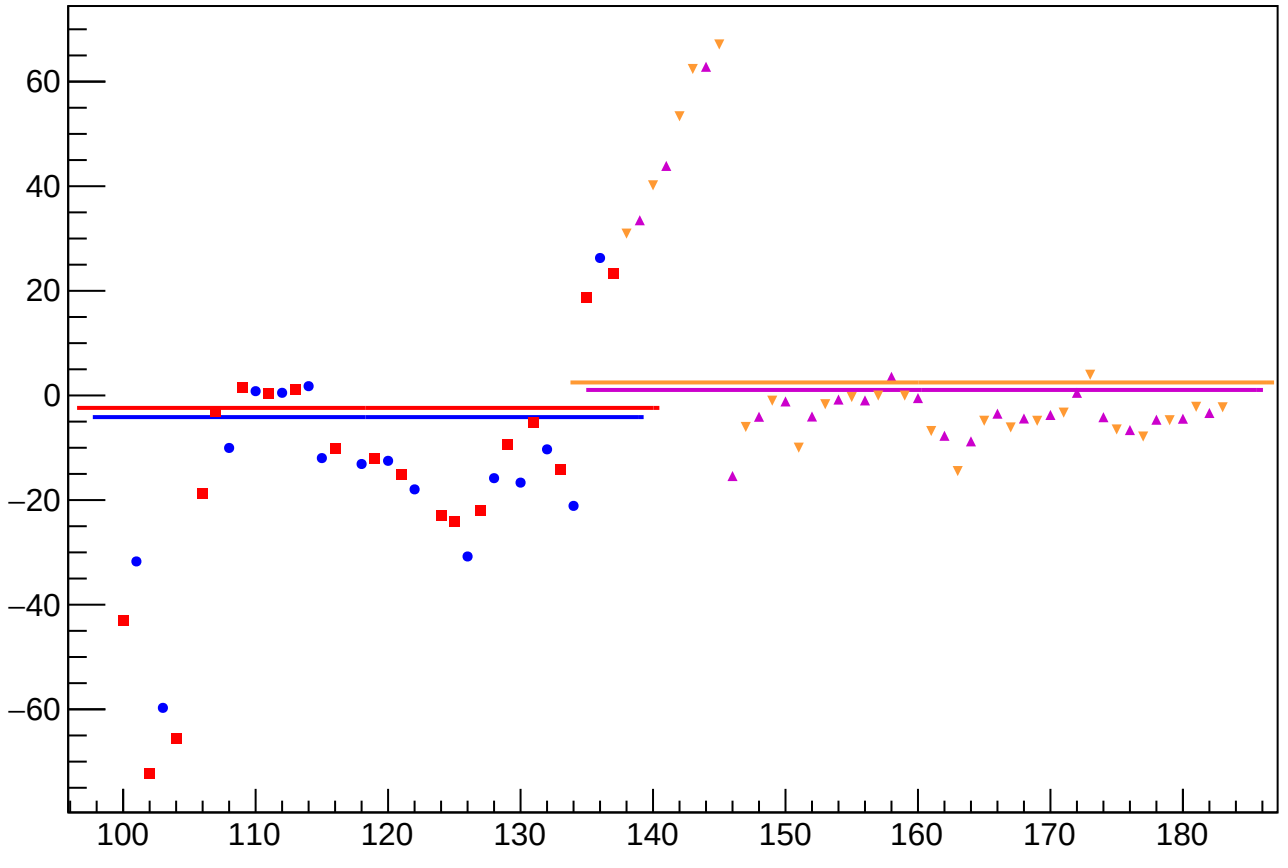
Left: -0.061+/-0.001 χ^2/NDF: 10365.0/45

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.082+/-0.001 χ^2/NDF:19278.2/37

Out: -0.081+/-0.001 χ^2/NDF:21545.1/42

All: -0.082+/-0.001 χ^2/NDF: 40823.6/80



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 2.484+/-0.041 χ^2/NDF:176052.9/23

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: 1.766+/-0.029 χ^2/NDF: 308830.2/45

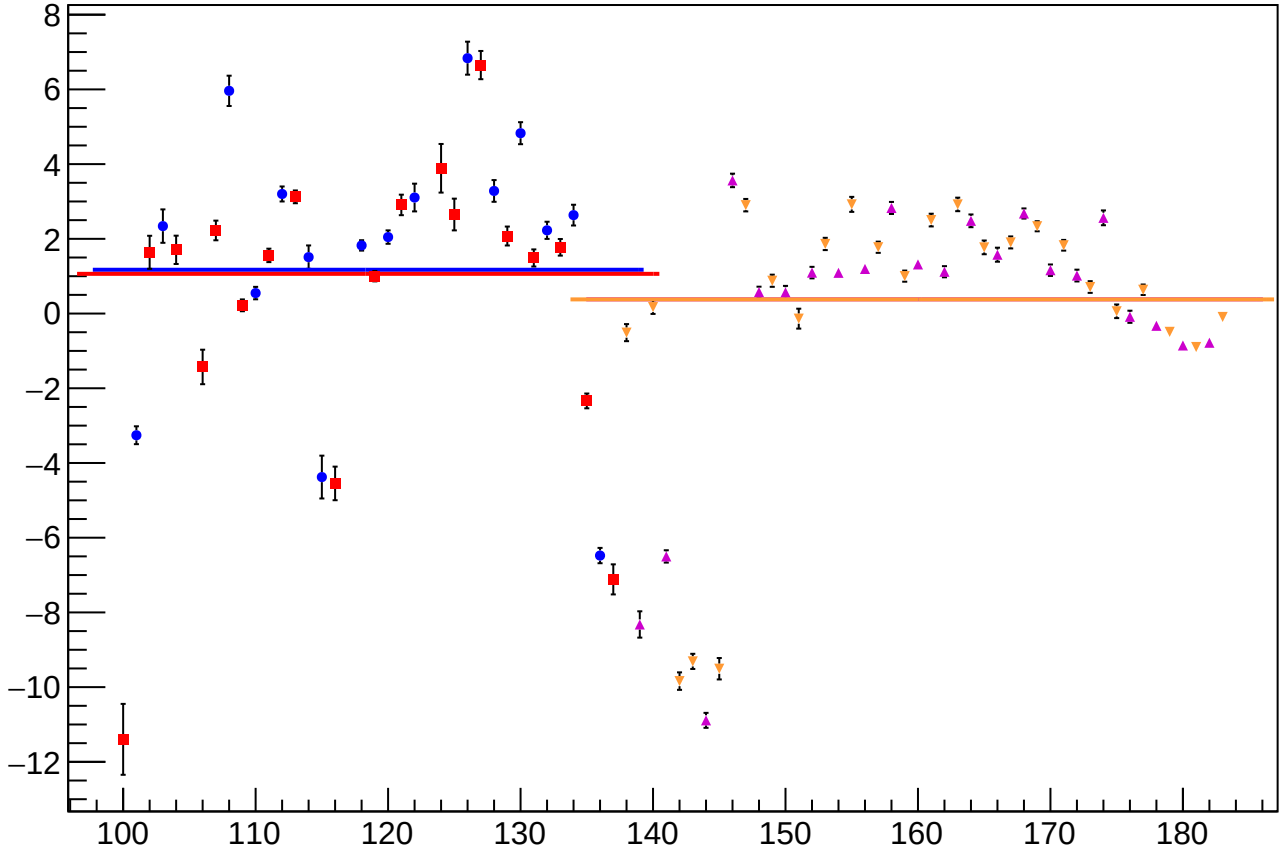
Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: -0.801+/-0.032 χ^2/NDF:213262.6/37

Out: 0.344+/-0.030 χ^2/NDF:263027.3/42

All: -0.191+/-0.022 χ^2/NDF: 476953.1/80

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: 0.379+/-0.033 χ^2/NDF:6996.4/23

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.380+/-0.032 χ^2/NDF:7110.9/21

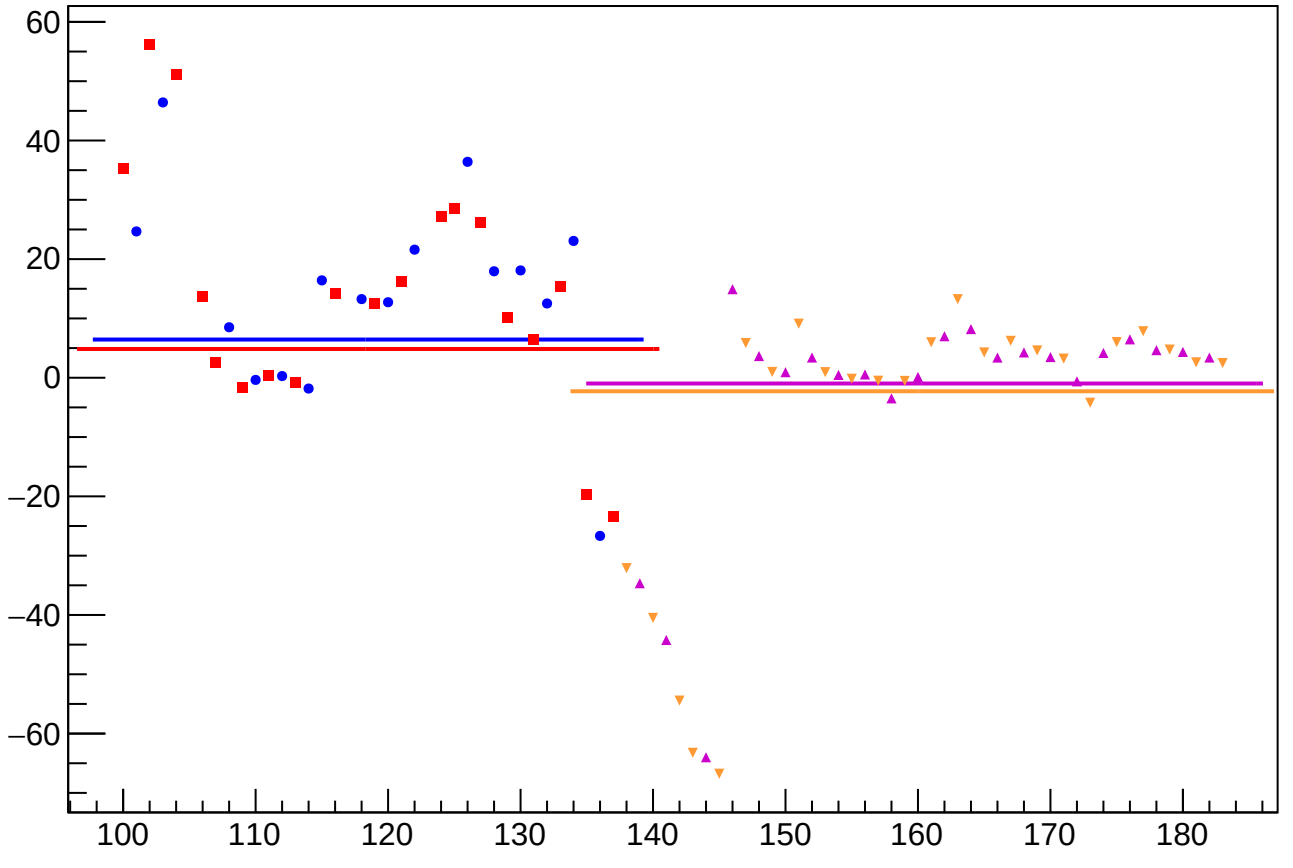
Left: 0.380+/-0.023 χ^2/NDF: 14107.3/45

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.553+/-0.028 χ^2/NDF:9831.2/37

Out: 0.552+/-0.029 χ^2/NDF:8700.8/42

All: 0.552+/-0.020 χ^2/NDF: 18532.0/80



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -2.280+/-0.041 χ^2/NDF:170343.1/23

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -0.971+/-0.040 χ^2/NDF:128825.4/21

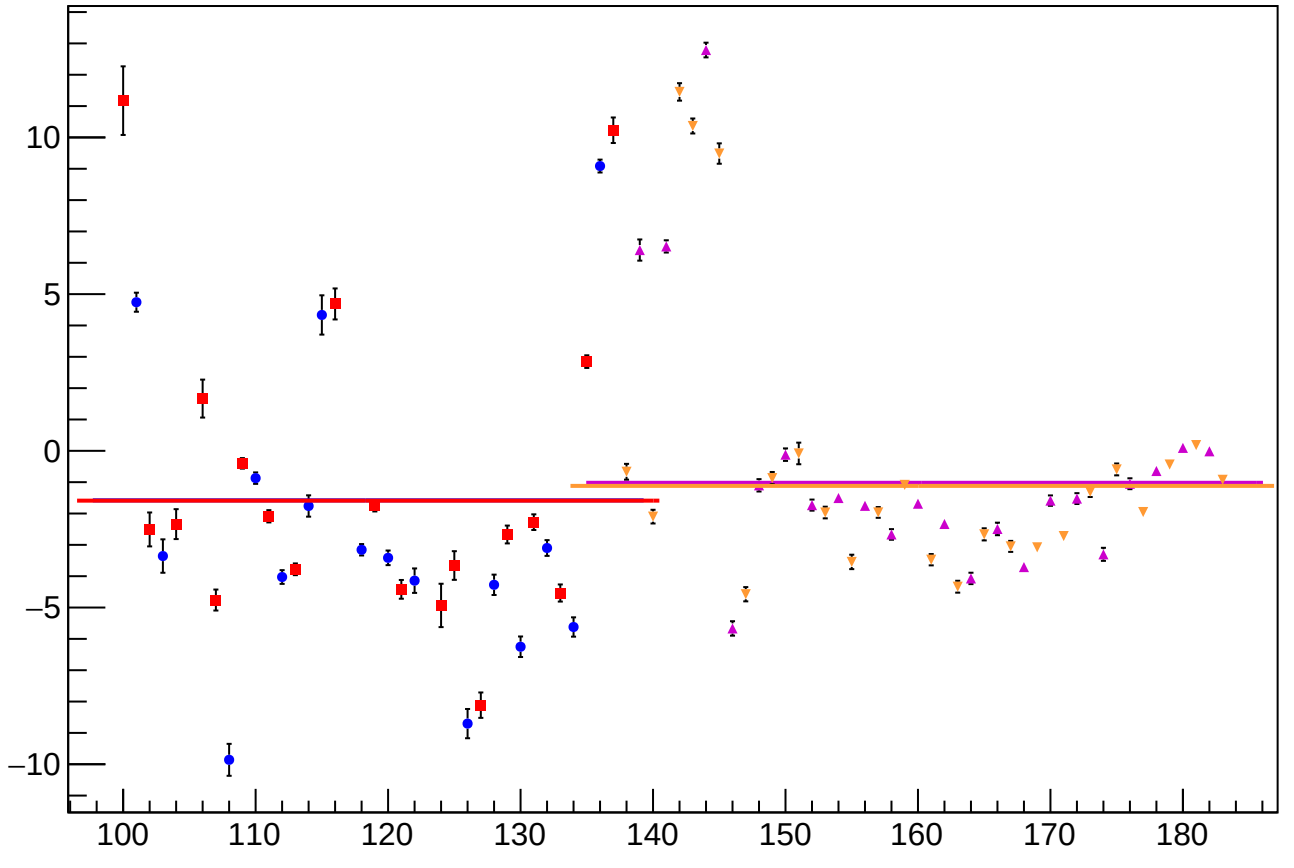
Left: -1.614+/-0.028 χ^2/NDF: 299697.5/45

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: 1.061+/-0.034 χ^2/NDF:208939.7/37

Out: 0.019+/-0.033 χ^2/NDF:255452.6/42

All: 0.531+/-0.024 χ^2/NDF: 464871.2/80



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.118+/-0.037 χ^2/NDF:6925.3/23

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: -1.067+/-0.025 χ^2/NDF: 13943.9/45

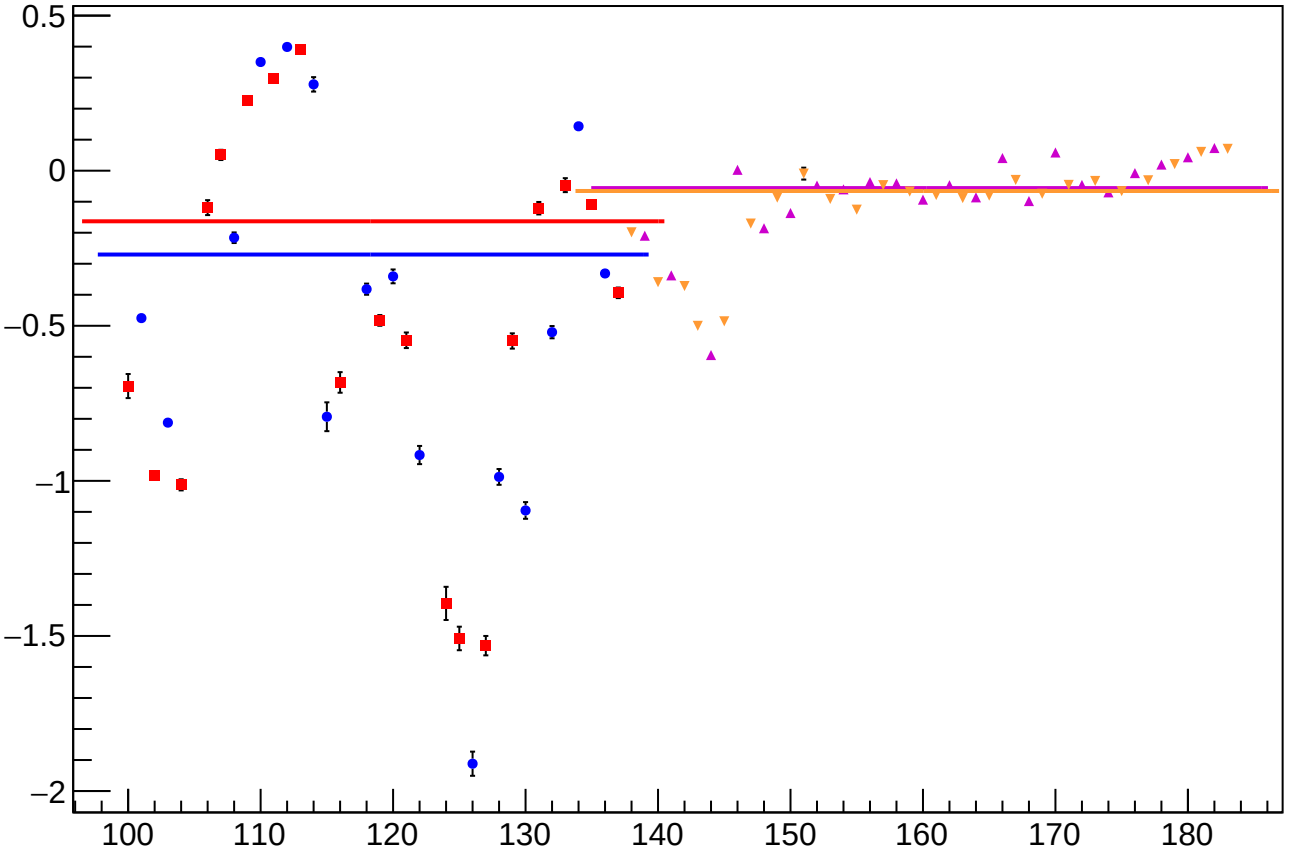
Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.135+/-0.031 χ^2/NDF:11591.1/37

Out: -1.234+/-0.032 χ^2/NDF:9438.1/42

All: -1.184+/-0.022 χ^2/NDF: 21034.1/80

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.065+/-0.002 χ^2/NDF:5494.5/23

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.056+/-0.002 χ^2/NDF:4845.8/21

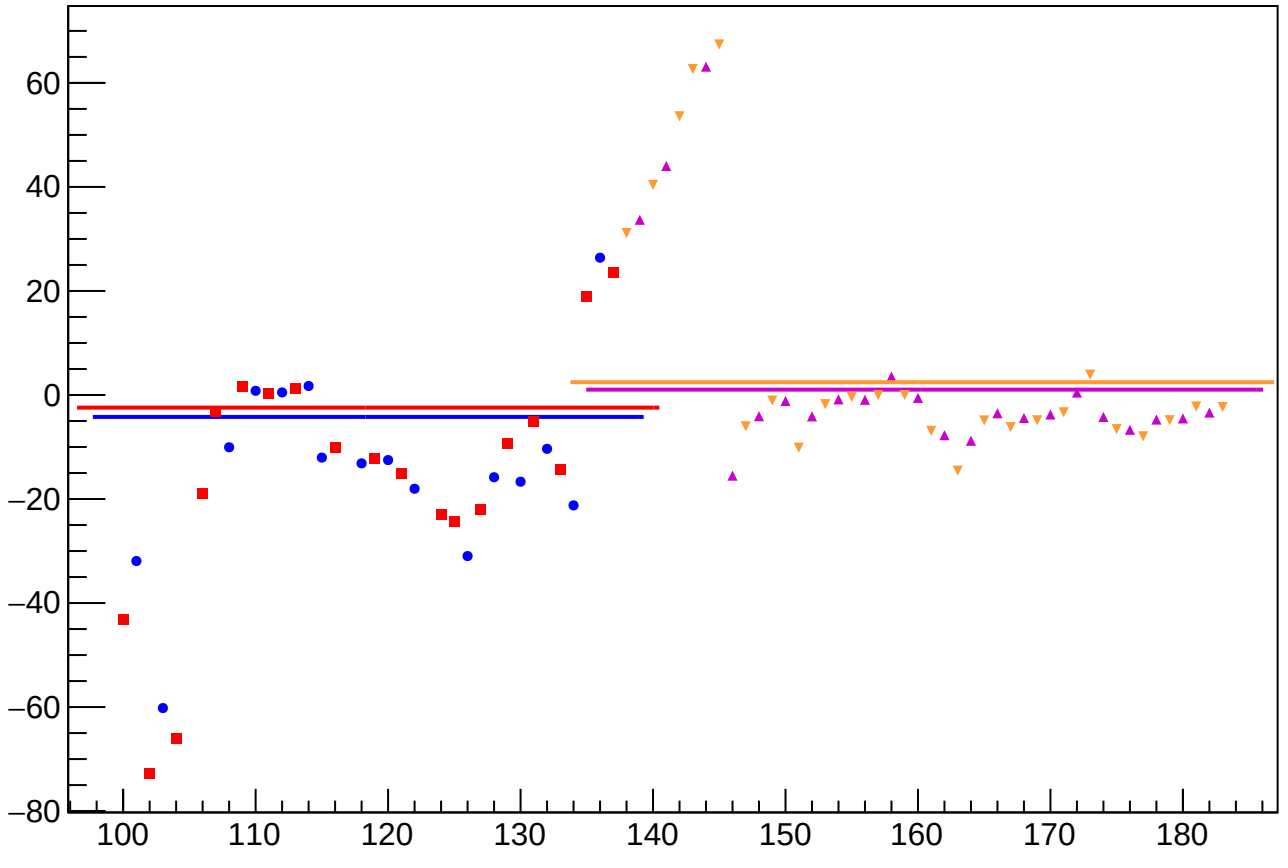
Left: -0.060+/-0.001 χ^2/NDF: 10358.2/45

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.081+/-0.001 χ^2/NDF:19251.6/37

Out: -0.080+/-0.001 χ^2/NDF:21571.0/42

All: -0.081+/-0.001 χ^2/NDF: 40822.8/80



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 2.461+/-0.041 χ^2/NDF:176503.2/23

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: 1.744+/-0.029 χ^2/NDF: 309444.8/45

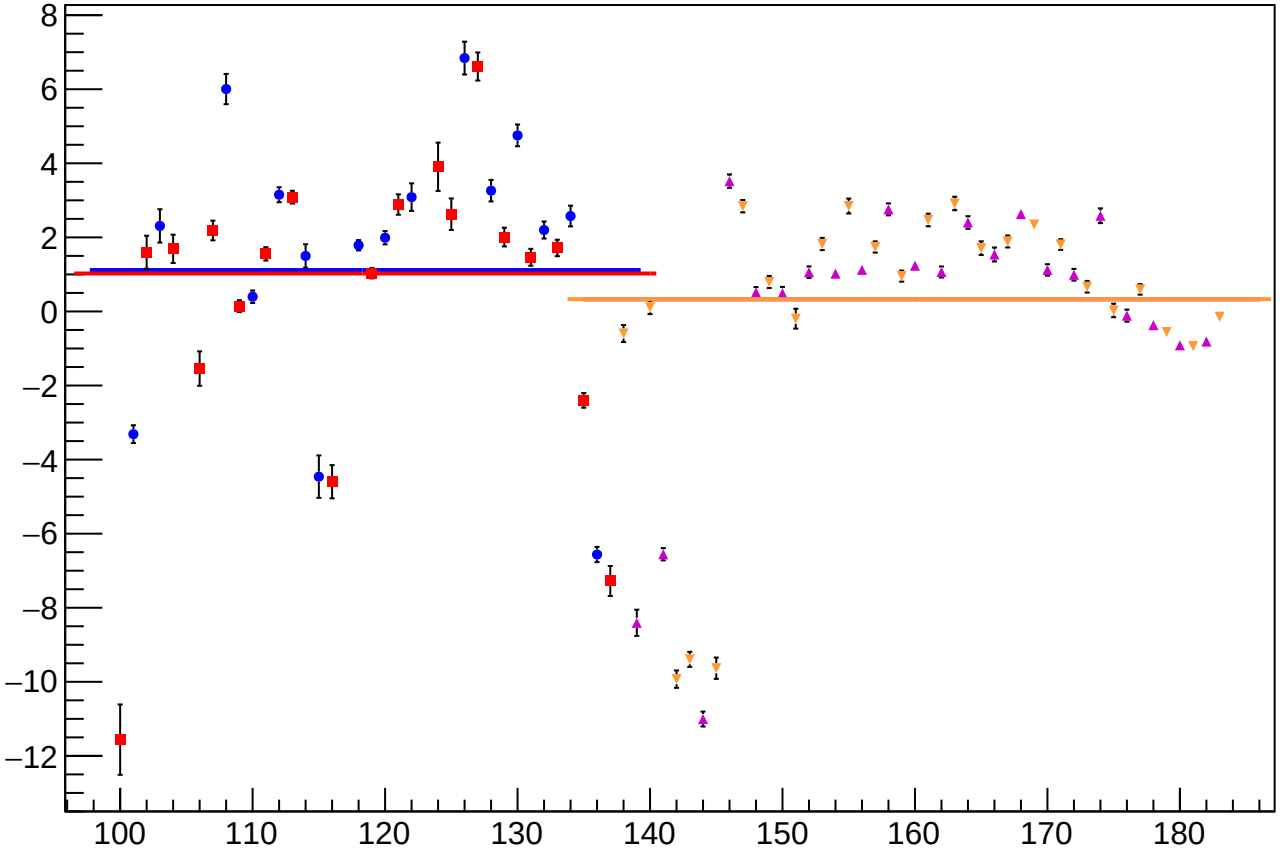
Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: -0.836+/-0.033 χ^2/NDF:213461.0/37

Out: 0.319+/-0.031 χ^2/NDF:263522.5/42

All: -0.221+/-0.022 χ^2/NDF: 477649.6/80

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.333+/-0.033 χ^2/NDF:7017.9/23

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.327+/-0.032 χ^2/NDF:7090.2/21

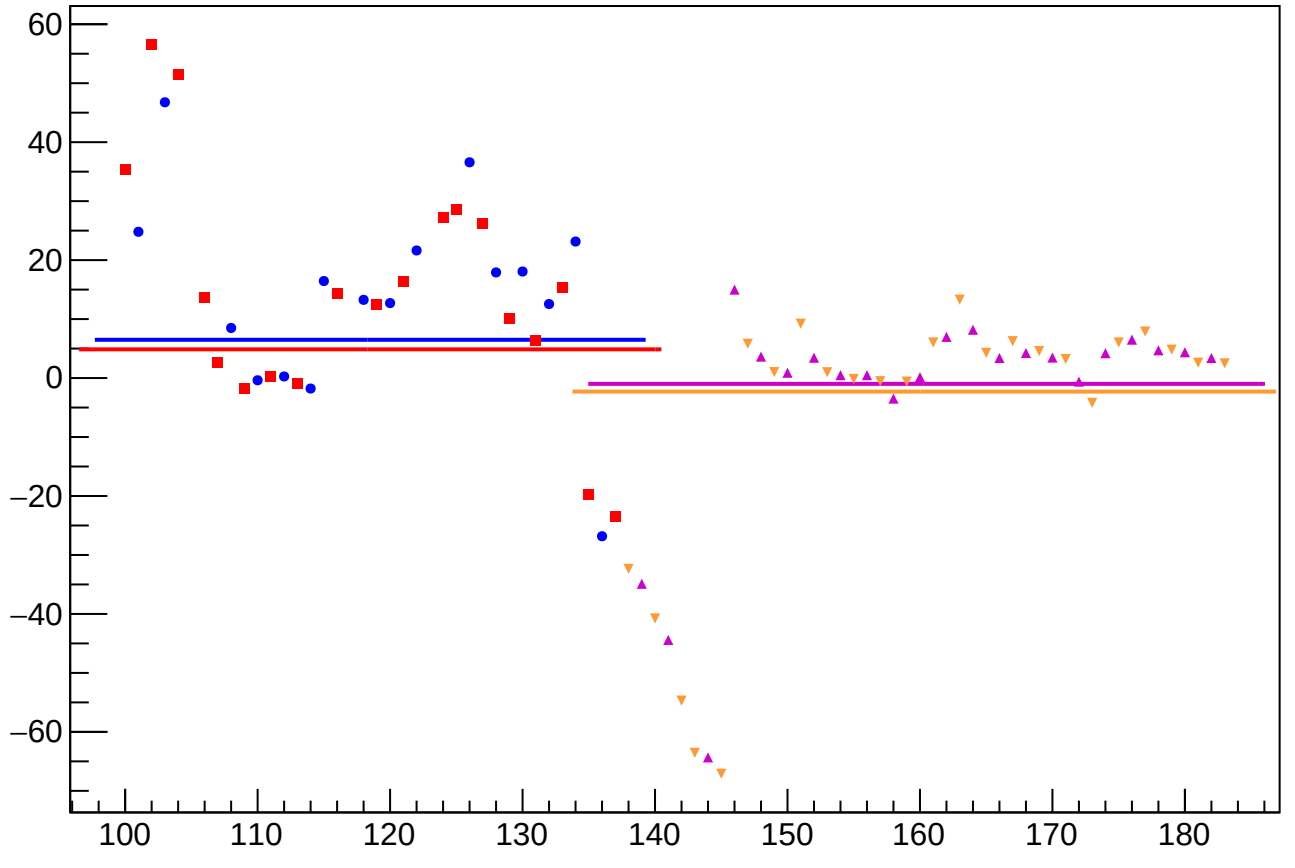
Left: 0.330+/-0.023 χ^2/NDF: 14108.1/45

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.499+/-0.028 χ^2/NDF:9816.2/37

Out: 0.507+/-0.029 χ^2/NDF:8739.1/42

All: 0.503+/-0.020 χ^2/NDF: 18555.4/80



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -2.293+/-0.041 χ^2/NDF:170782.4/23

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -0.984+/-0.040 χ^2/NDF:129005.6/21

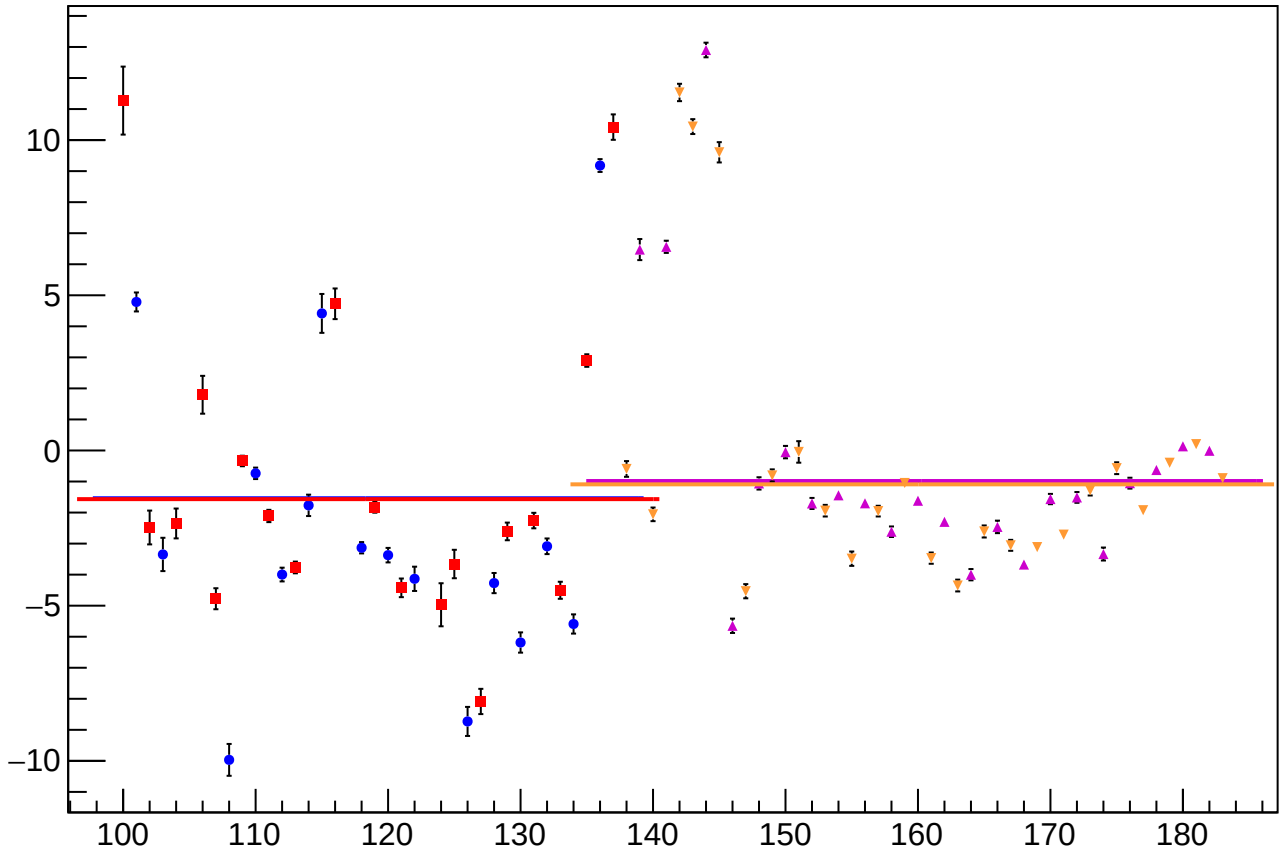
Left: -1.627+/-0.029 χ^2/NDF: 300312.7/45

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: 1.059+/-0.034 χ^2/NDF:209177.5/37

Out: 0.010+/-0.034 χ^2/NDF:255978.4/42

All: 0.526+/-0.024 χ^2/NDF: 465637.1/80



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.091+/-0.037 χ^2/NDF:6948.1/23

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: -1.035+/-0.025 χ^2/NDF: 13951.9/45

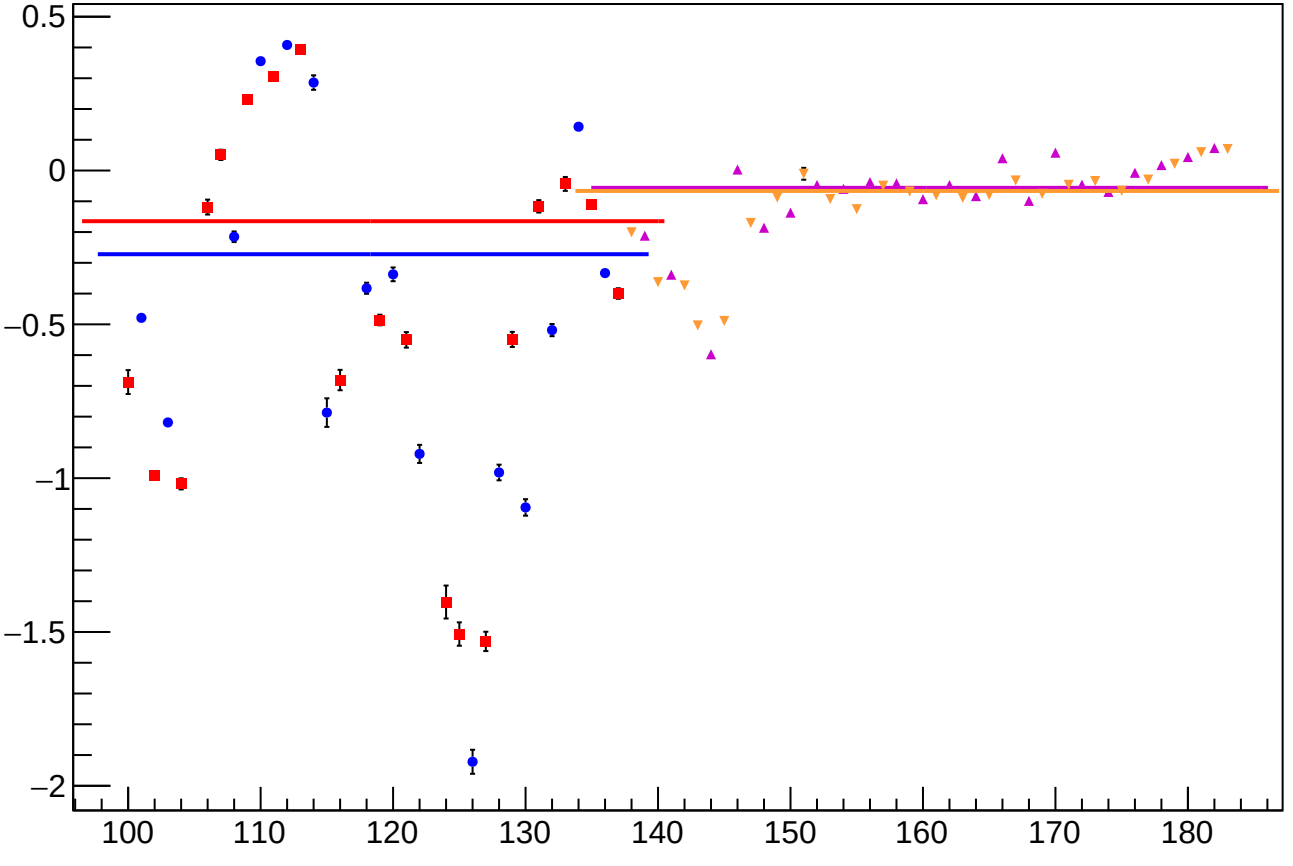
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.098+/-0.031 χ^2/NDF:11586.1/37

Out: -1.207+/-0.032 χ^2/NDF:9486.2/42

All: -1.152+/-0.022 χ^2/NDF: 21078.3/80

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.066+/-0.002 χ^2/NDF:5504.8/23

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.056+/-0.002 χ^2/NDF:4838.0/21

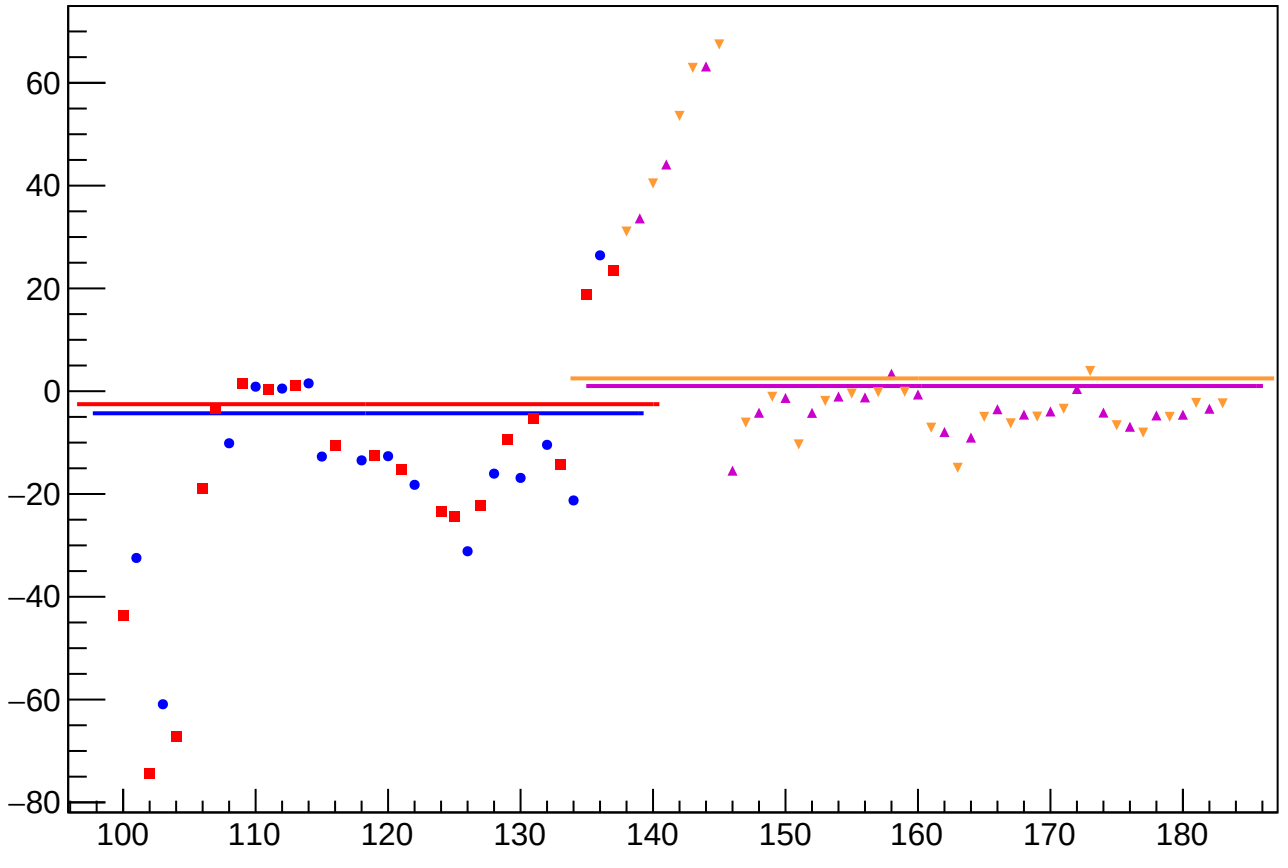
Left: -0.061+/-0.001 χ^2/NDF: 10363.4/45

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.082+/-0.001 χ^2/NDF:19279.0/37

Out: -0.081+/-0.001 χ^2/NDF:21562.5/42

All: -0.081+/-0.001 χ^2/NDF: 40841.5/80



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 2.492+/-0.042 χ^2/NDF:174000.1/23

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: 1.748+/-0.029 χ^2/NDF: 304803.0/45

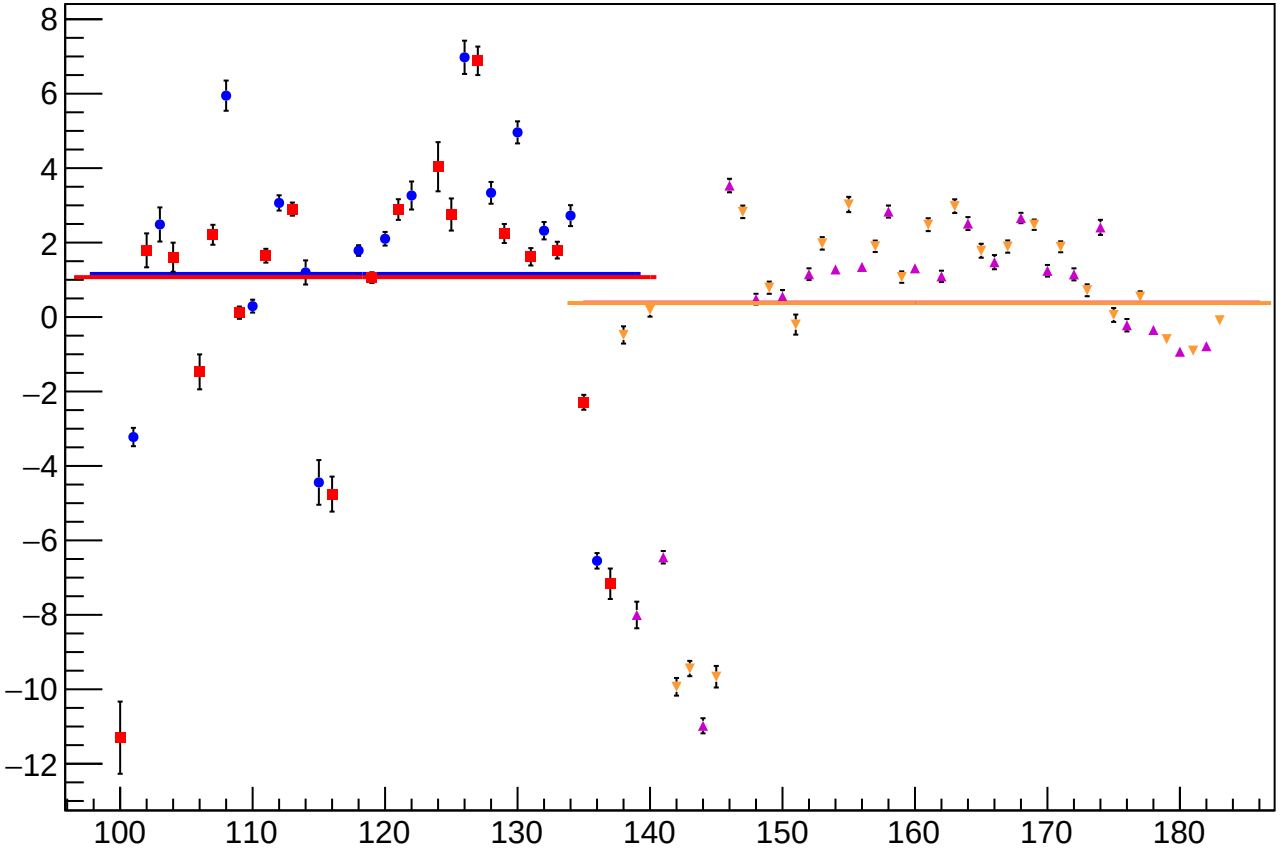
Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: -0.882+/-0.033 χ^2/NDF:210211.4/37

Out: 0.302+/-0.031 χ^2/NDF:260239.8/42

All: -0.252+/-0.023 χ^2/NDF: 471124.5/80

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.375+/-0.034 χ^2/NDF:7000.3/23

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.387+/-0.032 χ^2/NDF:6928.5/21

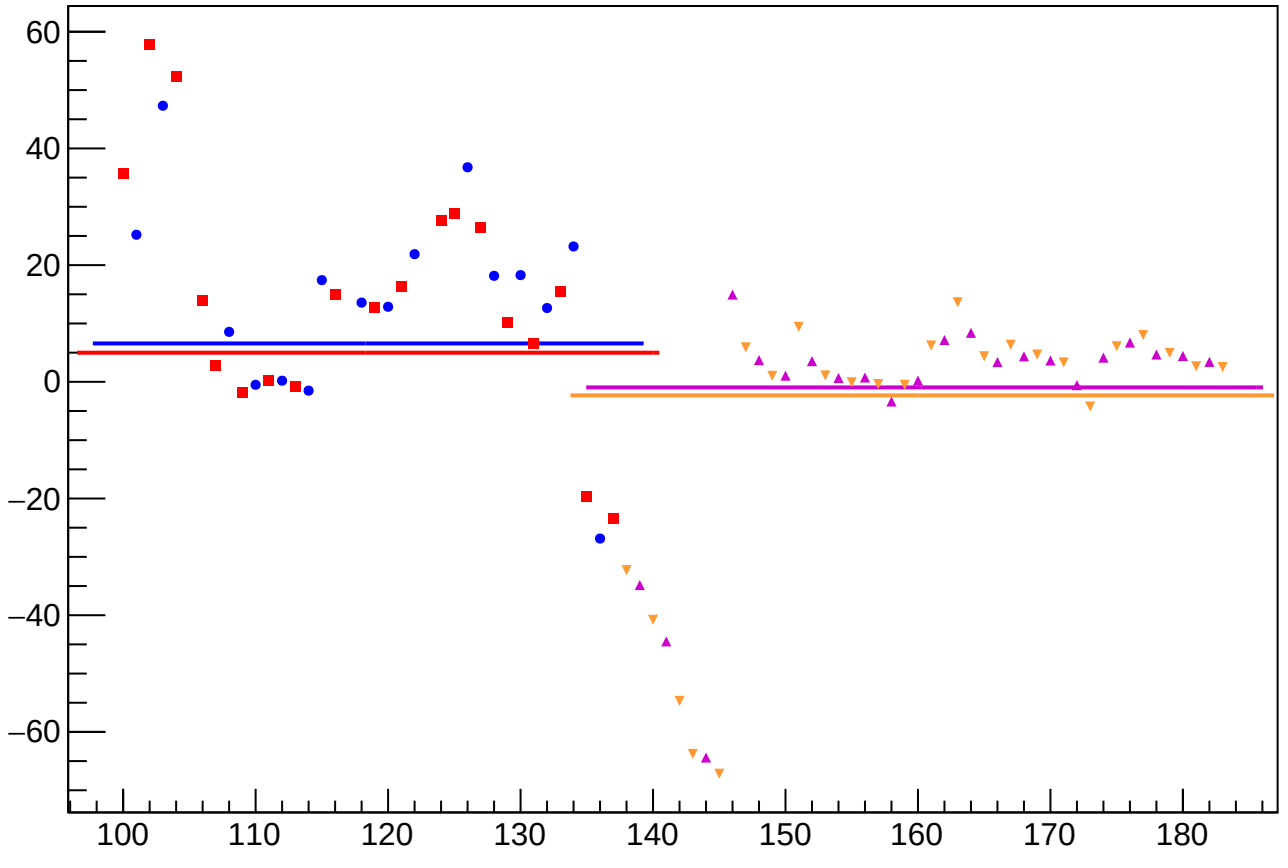
Left: 0.382+/-0.023 χ^2/NDF: 13928.9/45

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.555+/-0.029 χ^2/NDF:9601.2/37

Out: 0.551+/-0.029 χ^2/NDF:8658.4/42

All: 0.553+/-0.020 χ^2/NDF: 18259.6/80



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -2.321+/-0.042 χ^2/NDF:168339.0/23

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: -1.628+/-0.029 χ^2/NDF: 295762.1/45

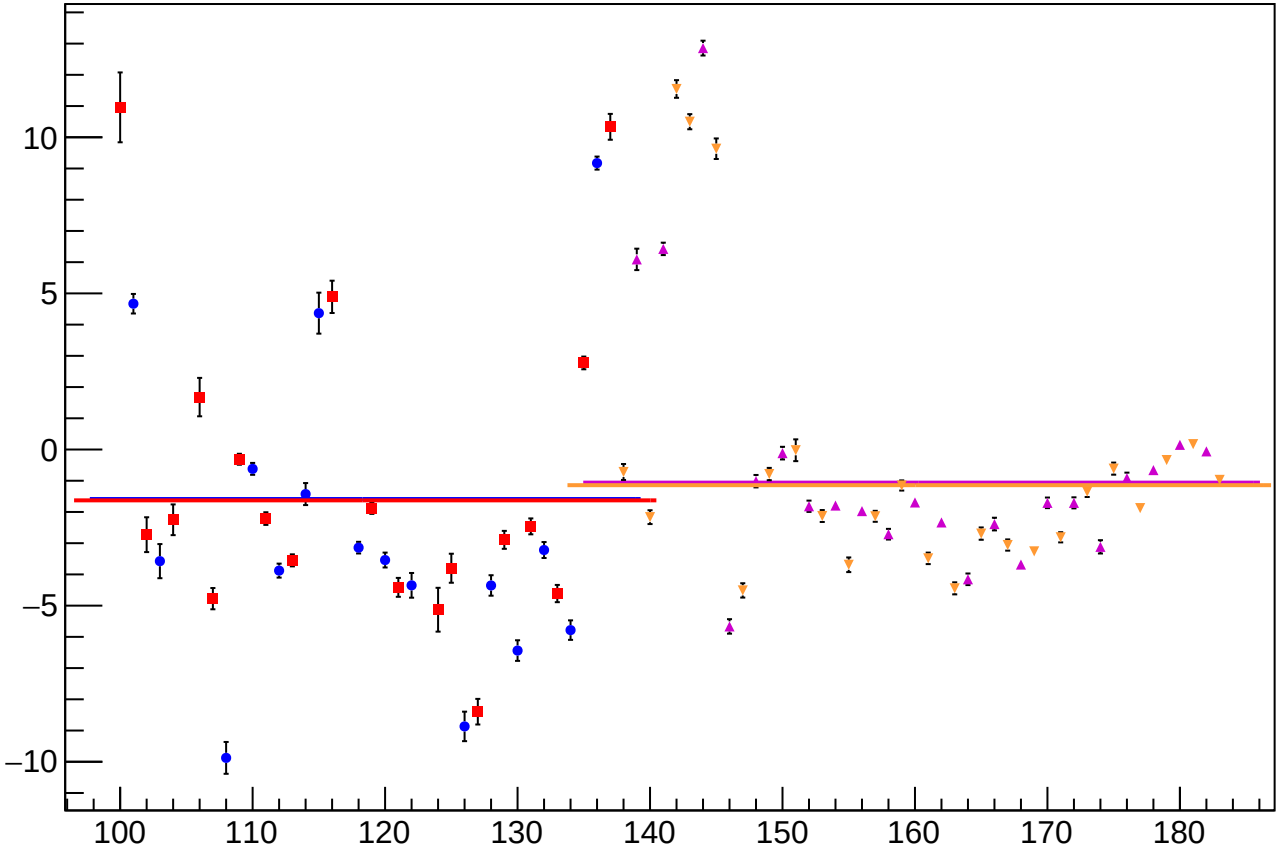
Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: 1.108+/-0.035 χ^2/NDF:205956.0/37

Out: 0.025+/-0.034 χ^2/NDF:252750.4/42

All: 0.558+/-0.024 χ^2/NDF: 459199.9/80

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.142+/-0.037 χ^2/NDF:6924.6/23

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: -1.100+/-0.026 χ^2/NDF: 13742.8/45

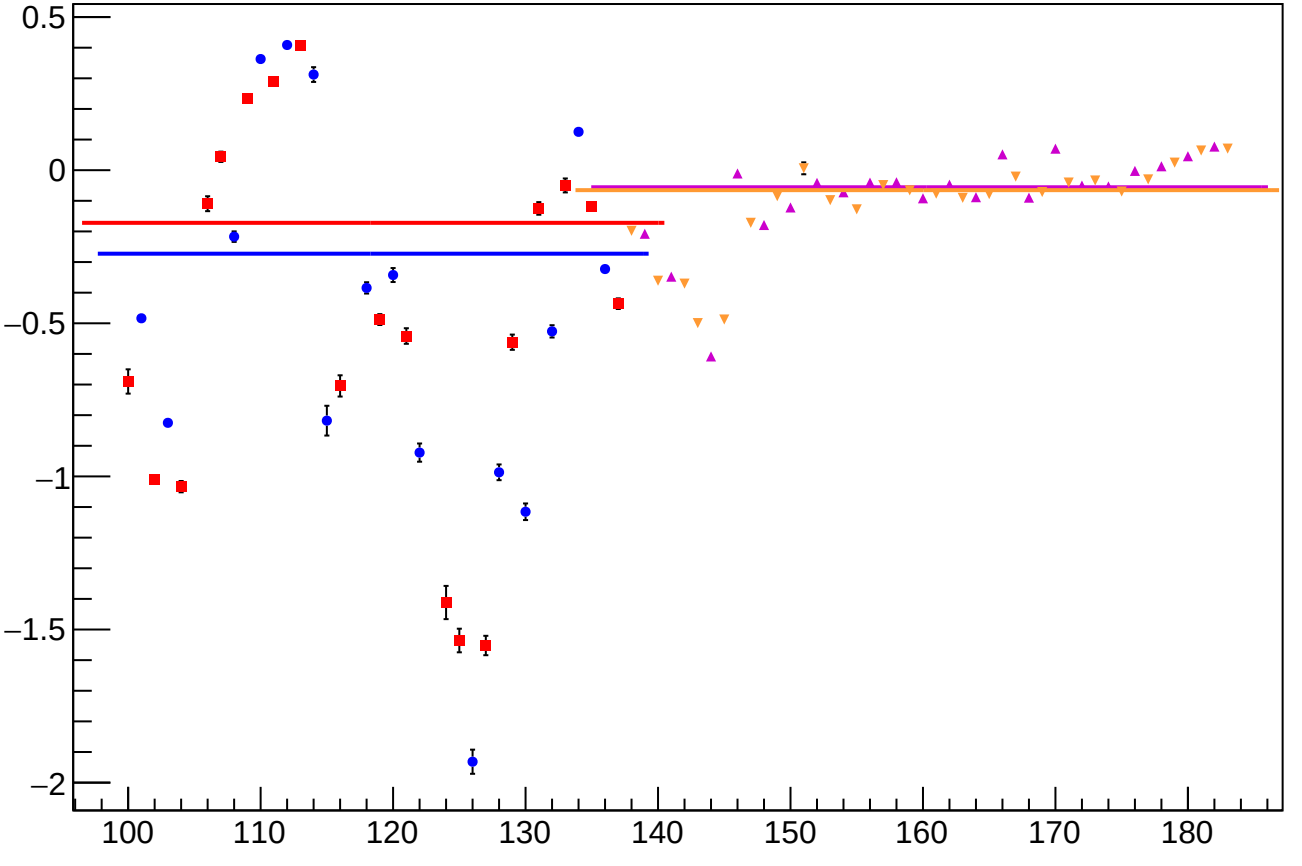
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.169+/-0.032 χ^2/NDF:11332.1/37

Out: -1.261+/-0.033 χ^2/NDF:9388.0/42

All: -1.214+/-0.023 χ^2/NDF: 20724.1/80

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.065+/-0.002 χ^2/NDF:5392.2/23

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.056+/-0.002 χ^2/NDF:4880.8/21

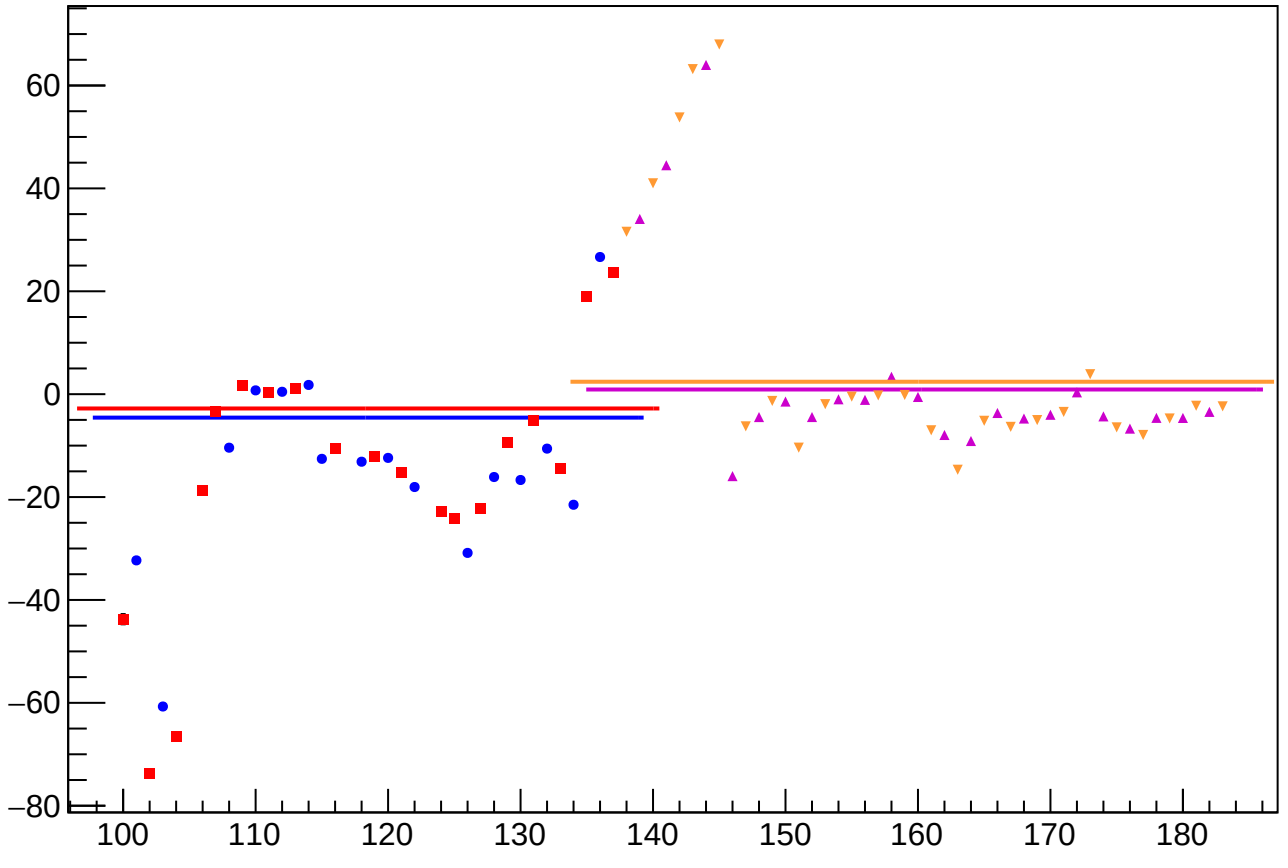
Left: -0.060+/-0.001 χ^2/NDF: 10290.5/45

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.081+/-0.001 χ^2/NDF:19064.0/37

Out: -0.081+/-0.002 χ^2/NDF:21359.8/42

All: -0.081+/-0.001 χ^2/NDF: 40423.9/80



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 2.418+/-0.042 χ^2/NDF:171023.8/23

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 0.908+/-0.042 χ^2/NDF:128601.5/21

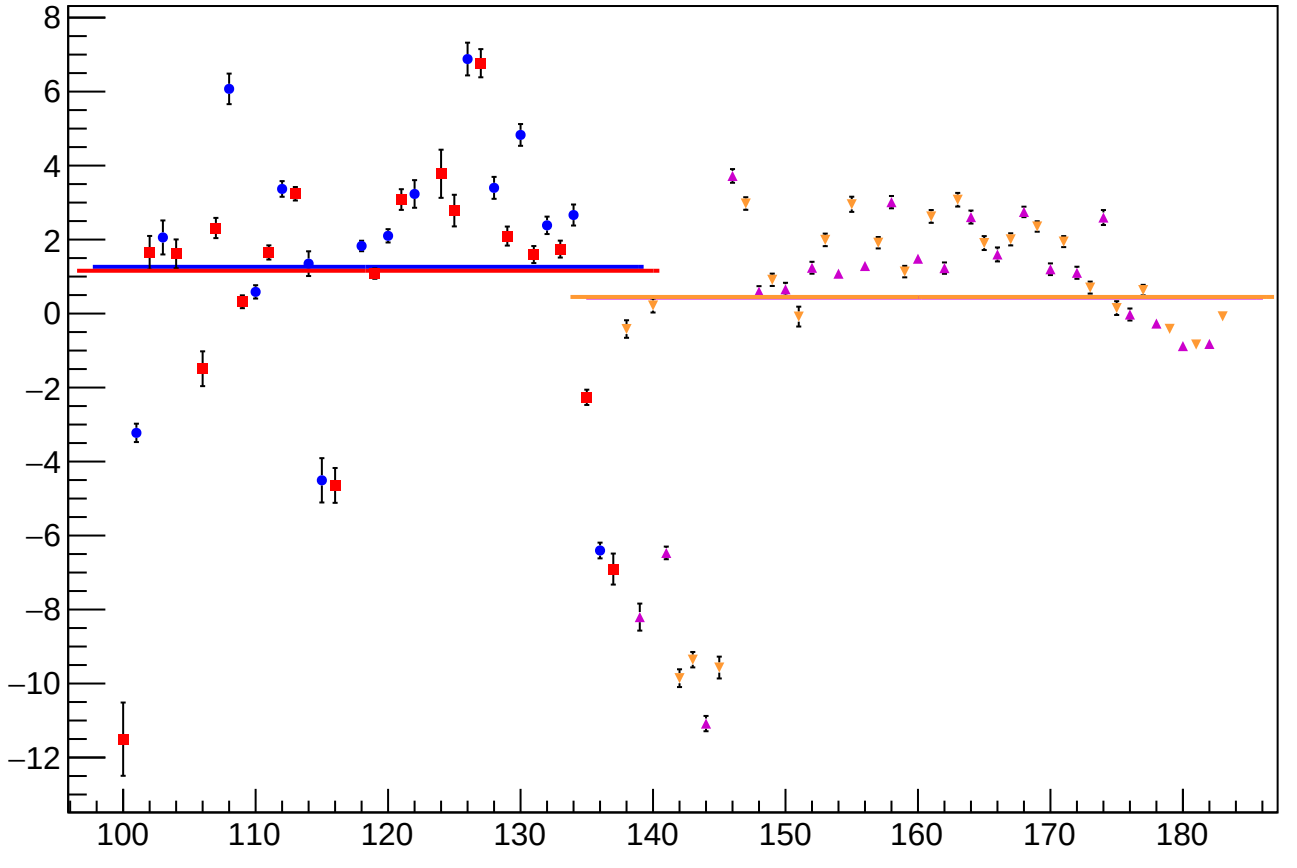
Left: 1.661+/-0.030 χ^2/NDF: 300273.6/45

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: -1.015+/-0.034 χ^2/NDF:207237.0/37

Out: 0.191+/-0.032 χ^2/NDF:255493.1/42

All: -0.376+/-0.023 χ^2/NDF: 463409.3/80



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.449+/-0.034 χ^2/NDF:6773.1/23

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.434+/-0.033 χ^2/NDF:6892.3/21

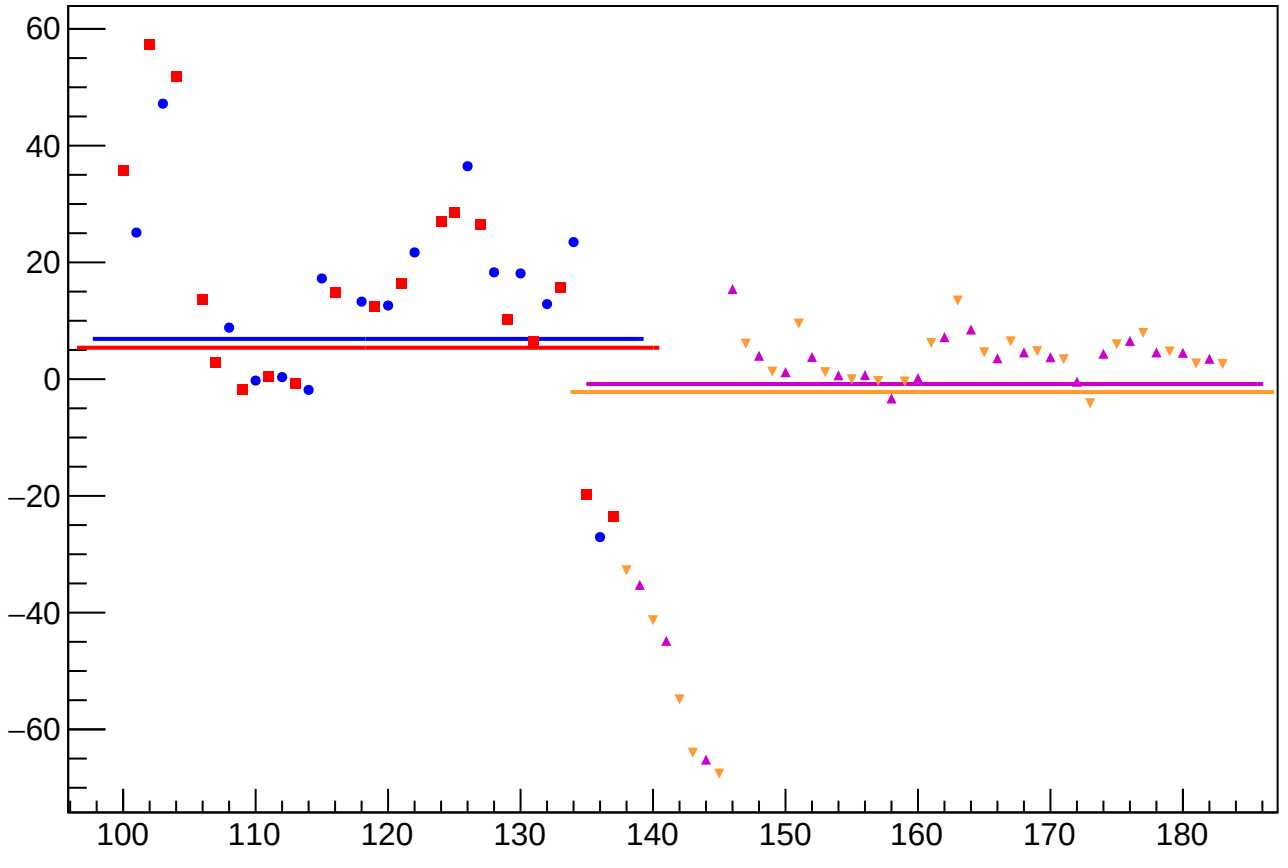
Left: 0.441+/-0.024 χ^2/NDF: 13665.4/45

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.615+/-0.029 χ^2/NDF:9475.8/37

Out: 0.626+/-0.030 χ^2/NDF:8371.2/42

All: 0.620+/-0.021 χ^2/NDF: 17847.1/80



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -2.209+/-0.042 χ^2/NDF:165359.6/23

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -0.830+/-0.041 χ^2/NDF:125296.1/21

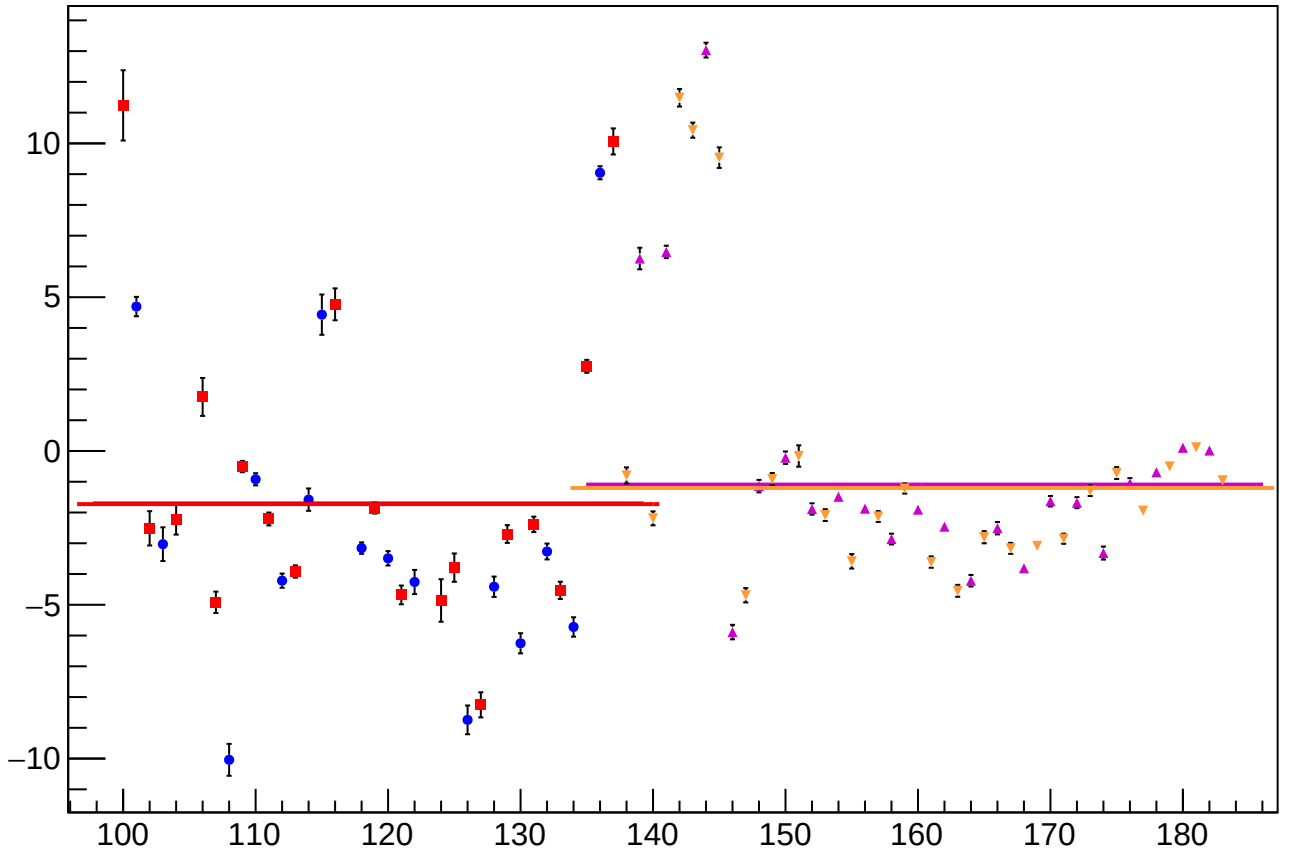
Left: -1.507+/-0.029 χ^2/NDF: 291206.0/45

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 1.273+/-0.035 χ^2/NDF:202912.7/37

Out: 0.189+/-0.035 χ^2/NDF:247945.5/42

All: 0.724+/-0.025 χ^2/NDF: 451340.4/80



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.202+/-0.038 χ^2/NDF:6713.2/23

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: -1.145+/-0.026 χ^2/NDF: 13539.0/45

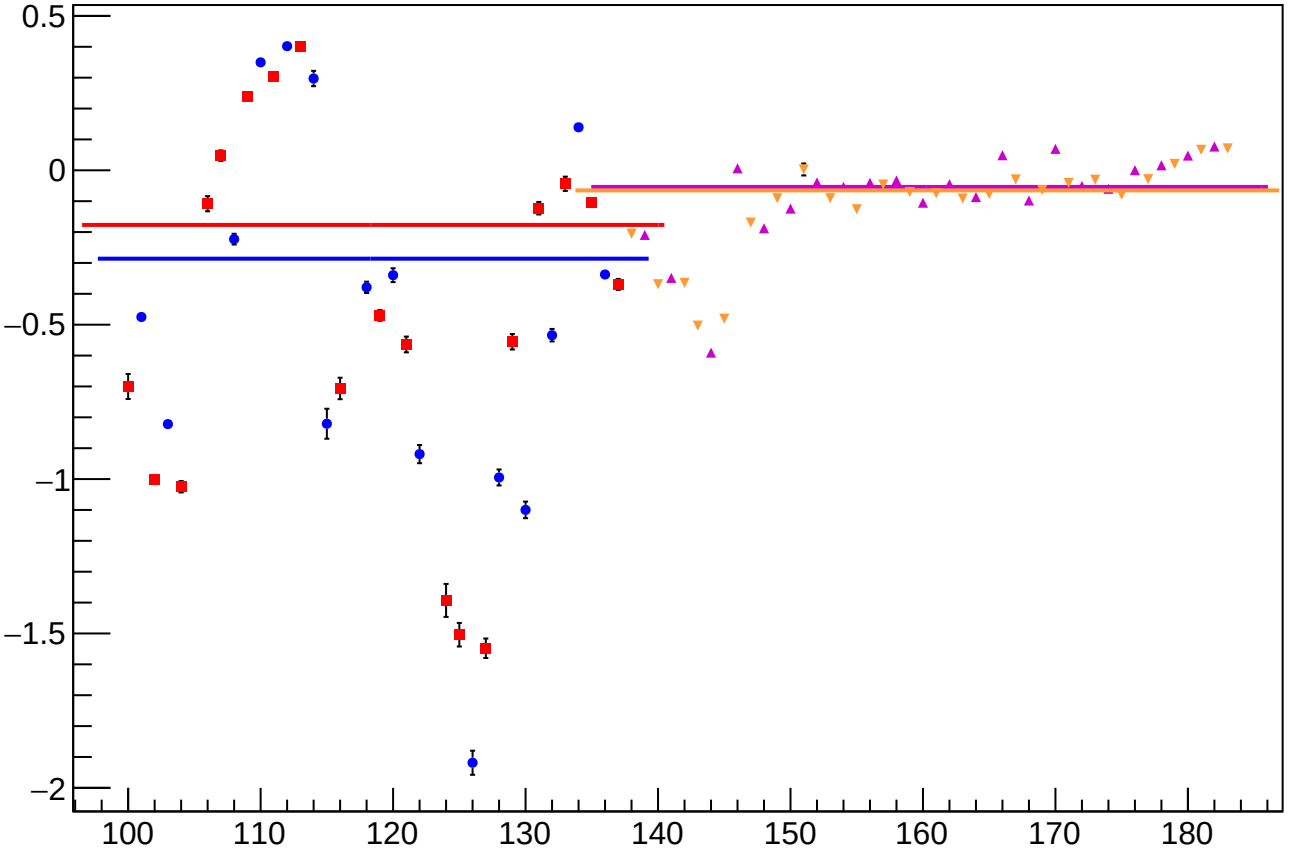
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.219+/-0.032 χ^2/NDF:11170.0/37

Out: -1.329+/-0.033 χ^2/NDF:9069.6/42

All: -1.273+/-0.023 χ^2/NDF: 20245.3/80

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.065+/-0.002 χ^2/NDF:5261.7/23

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: -0.059+/-0.001 χ^2/NDF: 10004.3/45

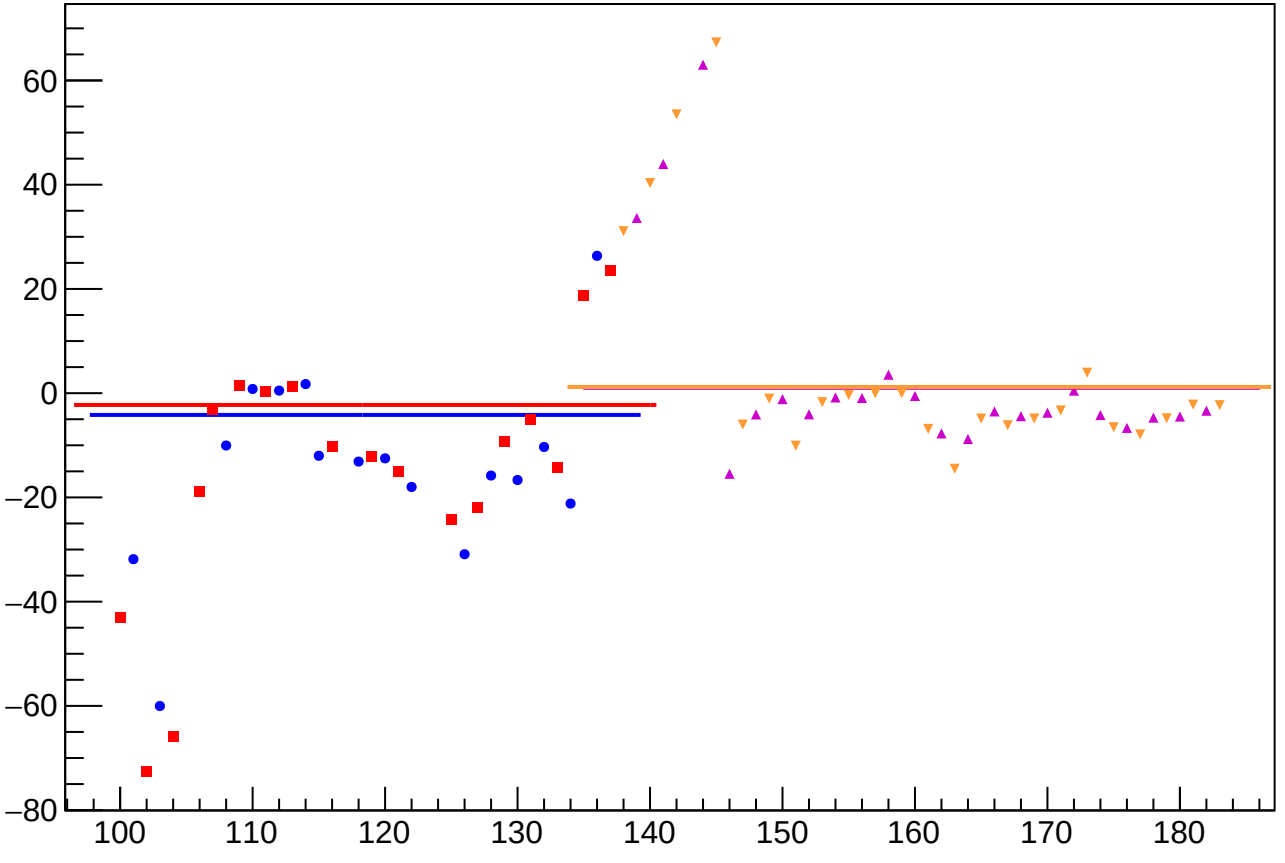
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.081+/-0.001 χ^2/NDF:18678.9/37

Out: -0.082+/-0.002 χ^2/NDF:20710.8/42

All: -0.081+/-0.001 χ^2/NDF: 39389.8/80

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: 1.191+/-0.041 χ^2/NDF:130574.0/22

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: 1.110+/-0.029 χ^2/NDF: 263139.9/44

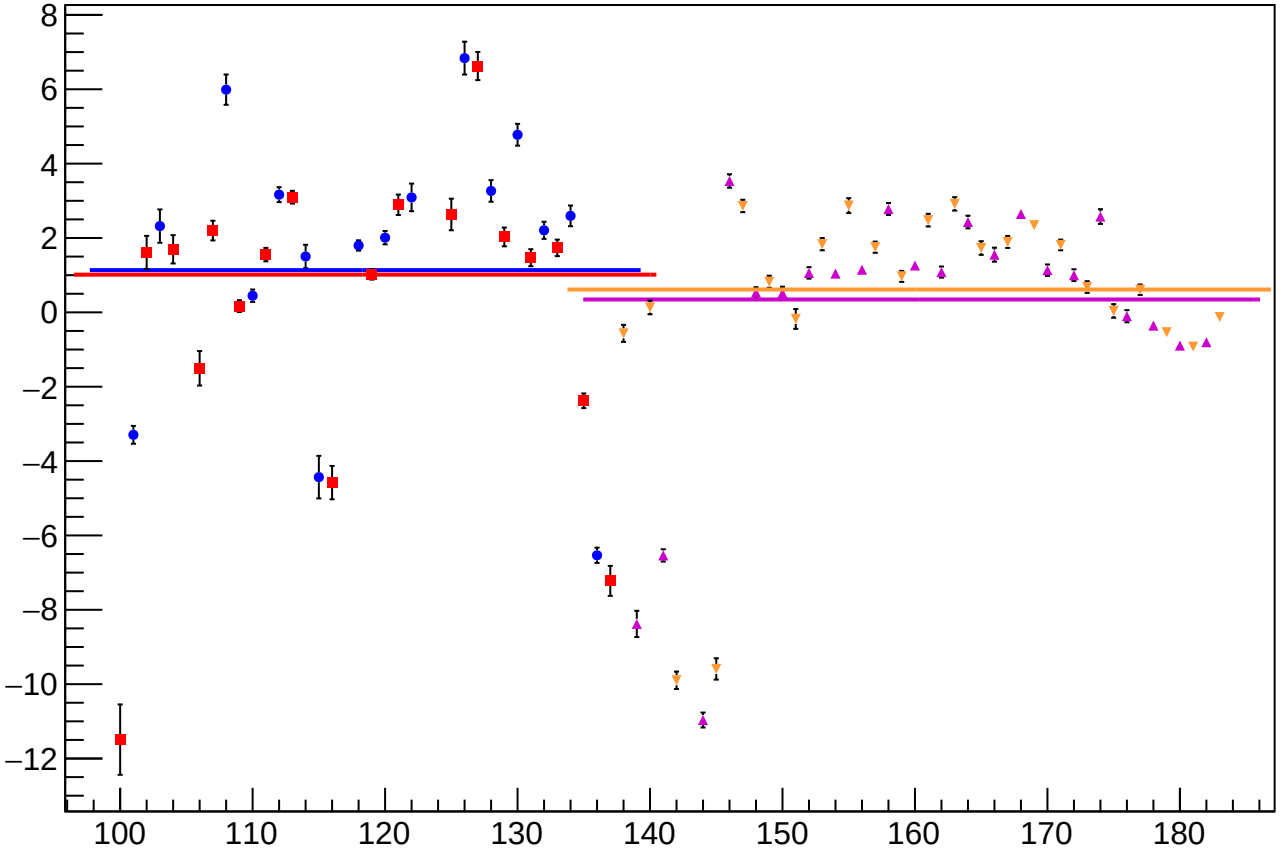
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: -0.824+/-0.033 χ^2/NDF:213831.6/37

Out: -0.339+/-0.031 χ^2/NDF:213329.1/40

All: -0.567+/-0.022 χ^2/NDF: 427278.3/78

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: 0.614+/-0.034 χ^2/NDF:4676.0/22

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: 0.472+/-0.023 χ^2/NDF: 11822.9/44

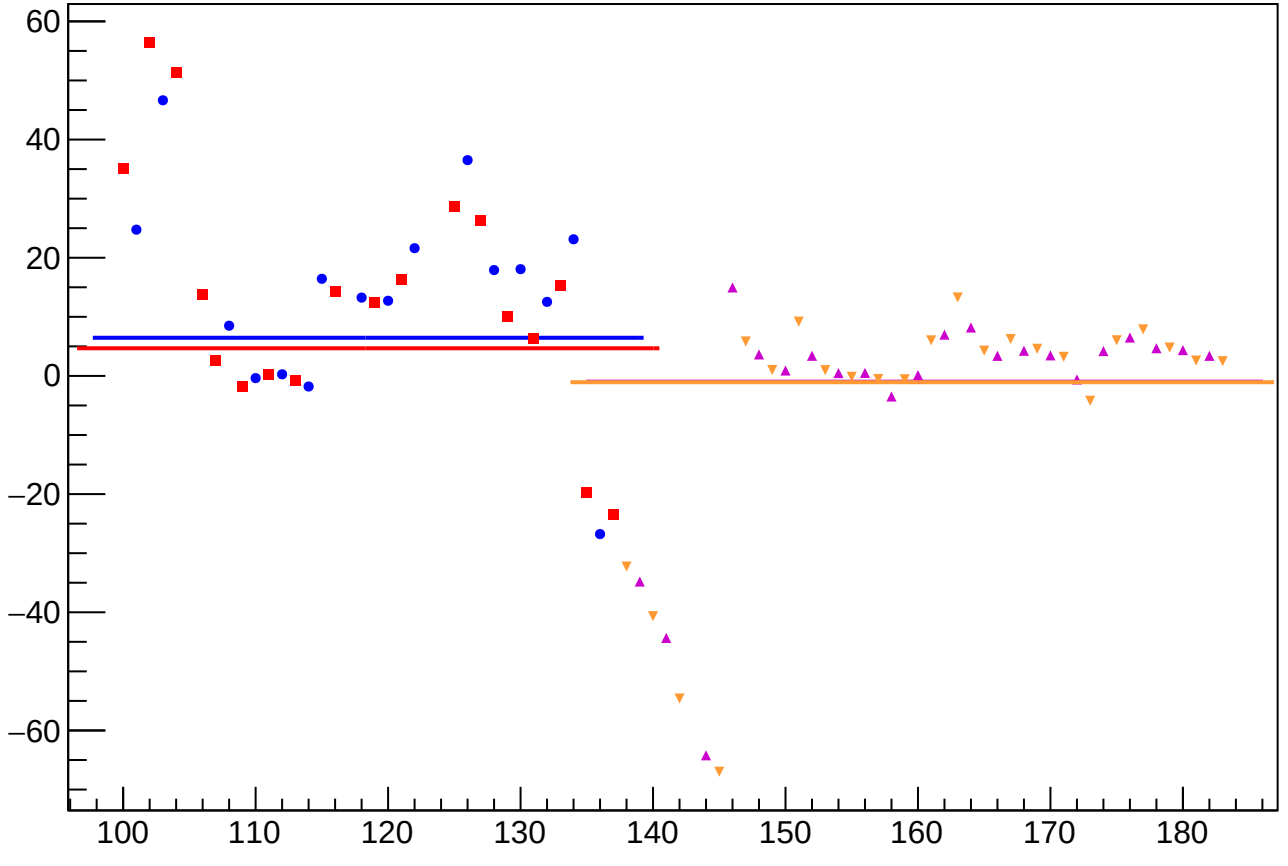
Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.517+/-0.028 χ^2/NDF:9843.5/37

Out: 0.717+/-0.029 χ^2/NDF:6305.4/40

All: 0.614+/-0.020 χ^2/NDF: 16173.4/78

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: -1.064+/-0.041 χ^2/NDF:125904.4/22

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -0.973+/-0.040 χ^2/NDF:129226.5/21

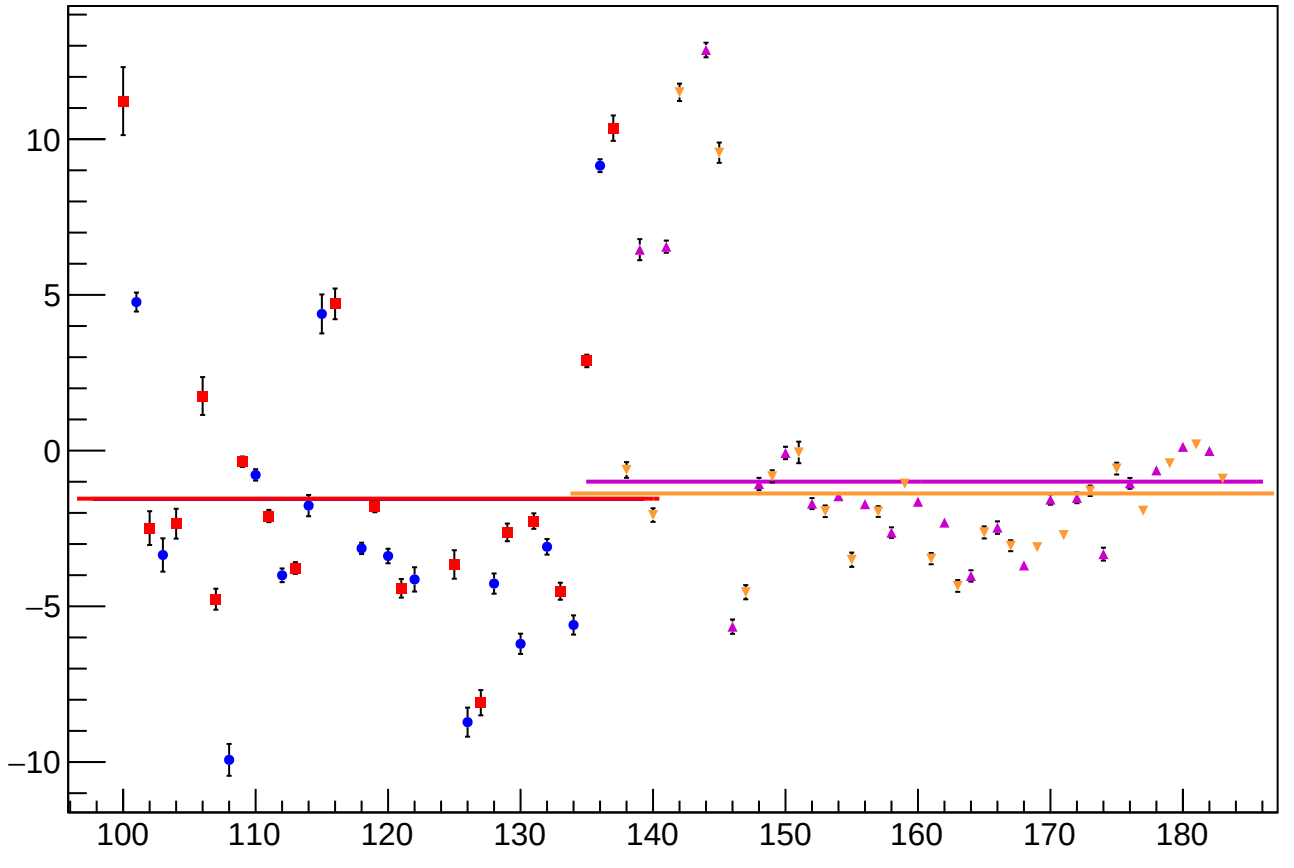
Left: -1.017+/-0.029 χ^2/NDF: 255133.4/44

Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: 1.059+/-0.034 χ^2/NDF:209525.8/37

Out: 0.802+/-0.034 χ^2/NDF:206689.7/40

All: 0.930+/-0.024 χ^2/NDF: 416244.3/78



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.377+/-0.037 χ^2/NDF:4585.3/22

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: -1.177+/-0.026 χ^2/NDF: 11660.3/44

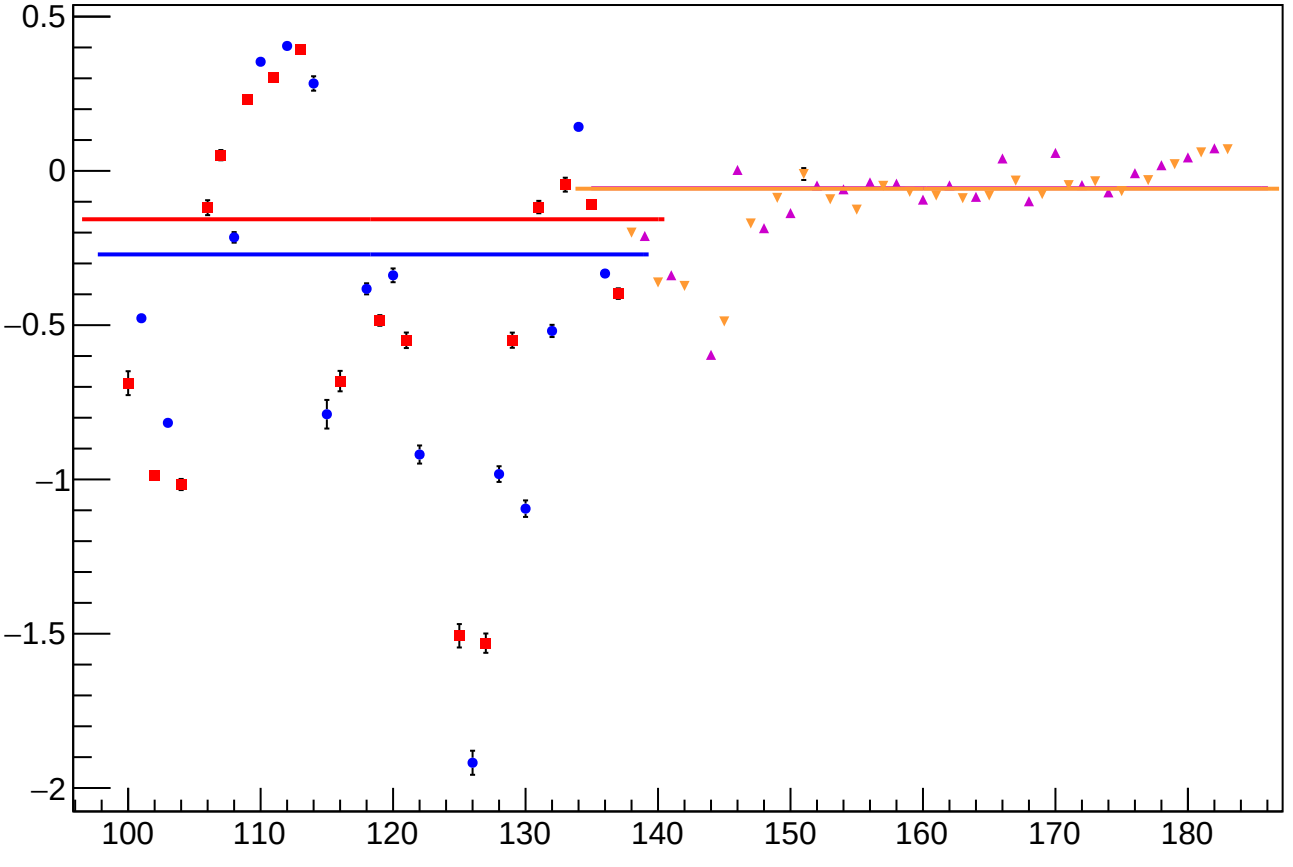
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.110+/-0.031 χ^2/NDF:11614.3/37

Out: -1.418+/-0.032 χ^2/NDF:7063.3/40

All: -1.260+/-0.022 χ^2/NDF: 18724.5/78

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: -0.058+/-0.002 χ^2/NDF:4132.9/22

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: -0.057+/-0.001 χ^2/NDF: 8985.4/44

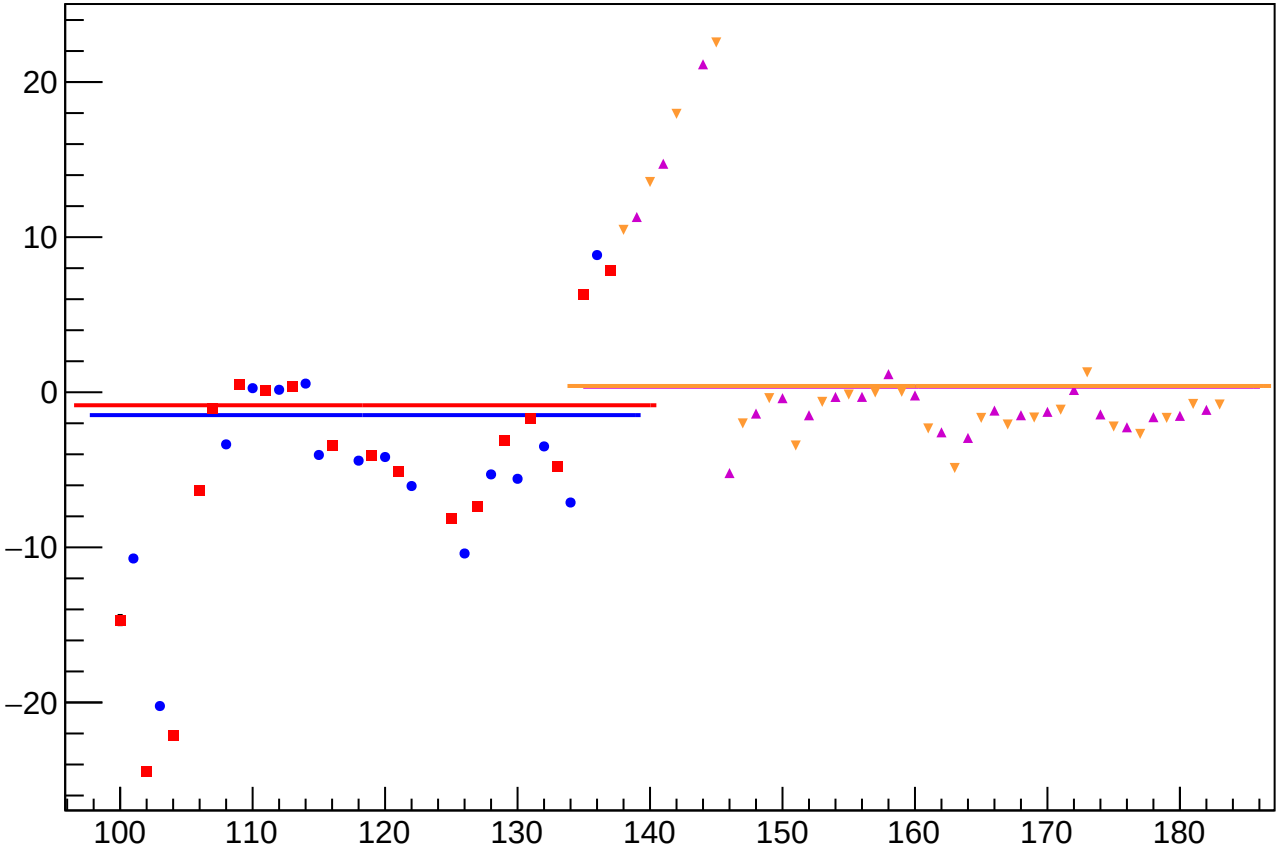
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.081+/-0.001 χ^2/NDF:19317.0/37

Out: -0.073+/-0.001 χ^2/NDF:19728.2/40

All: -0.077+/-0.001 χ^2/NDF: 39061.2/78

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: 0.405+/-0.014 χ^2/NDF:128393.4/22

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 0.358+/-0.014 χ^2/NDF:129976.3/21

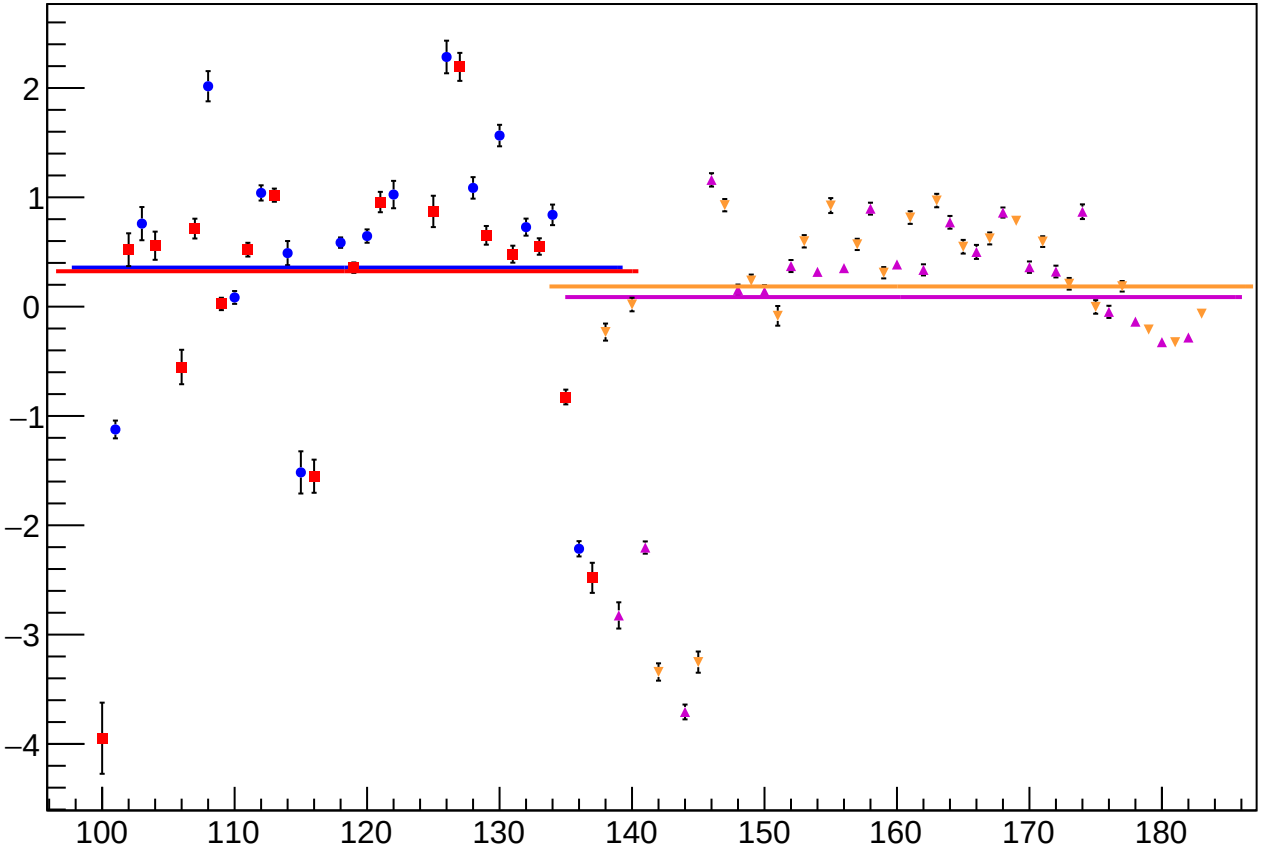
Left: 0.381+/-0.010 χ^2/NDF: 258375.5/44

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: -0.291+/-0.011 χ^2/NDF:209867.3/37

Out: -0.135+/-0.011 χ^2/NDF:209809.6/40

All: -0.209+/-0.008 χ^2/NDF: 419780.4/78



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.185+/-0.011 χ^2/NDF:4612.1/22

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.088+/-0.011 χ^2/NDF:6931.6/21

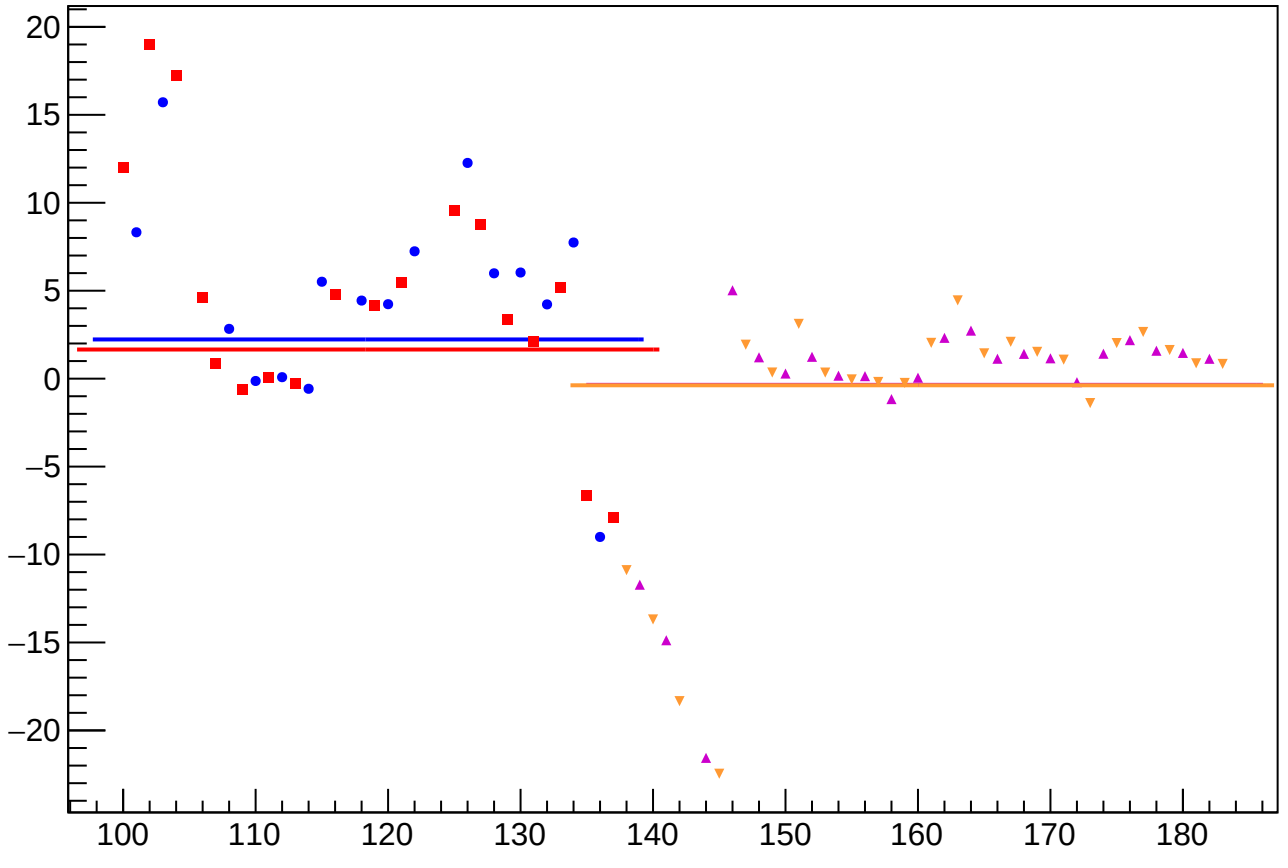
Left: 0.134+/-0.008 χ^2/NDF: 11581.5/44

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.146+/-0.010 χ^2/NDF:9608.9/37

Out: 0.220+/-0.010 χ^2/NDF:6208.3/40

All: 0.182+/-0.007 χ^2/NDF: 15845.5/78



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -0.377+/-0.014 χ^2/NDF:123783.2/22

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -0.352+/-0.014 χ^2/NDF:126744.8/21

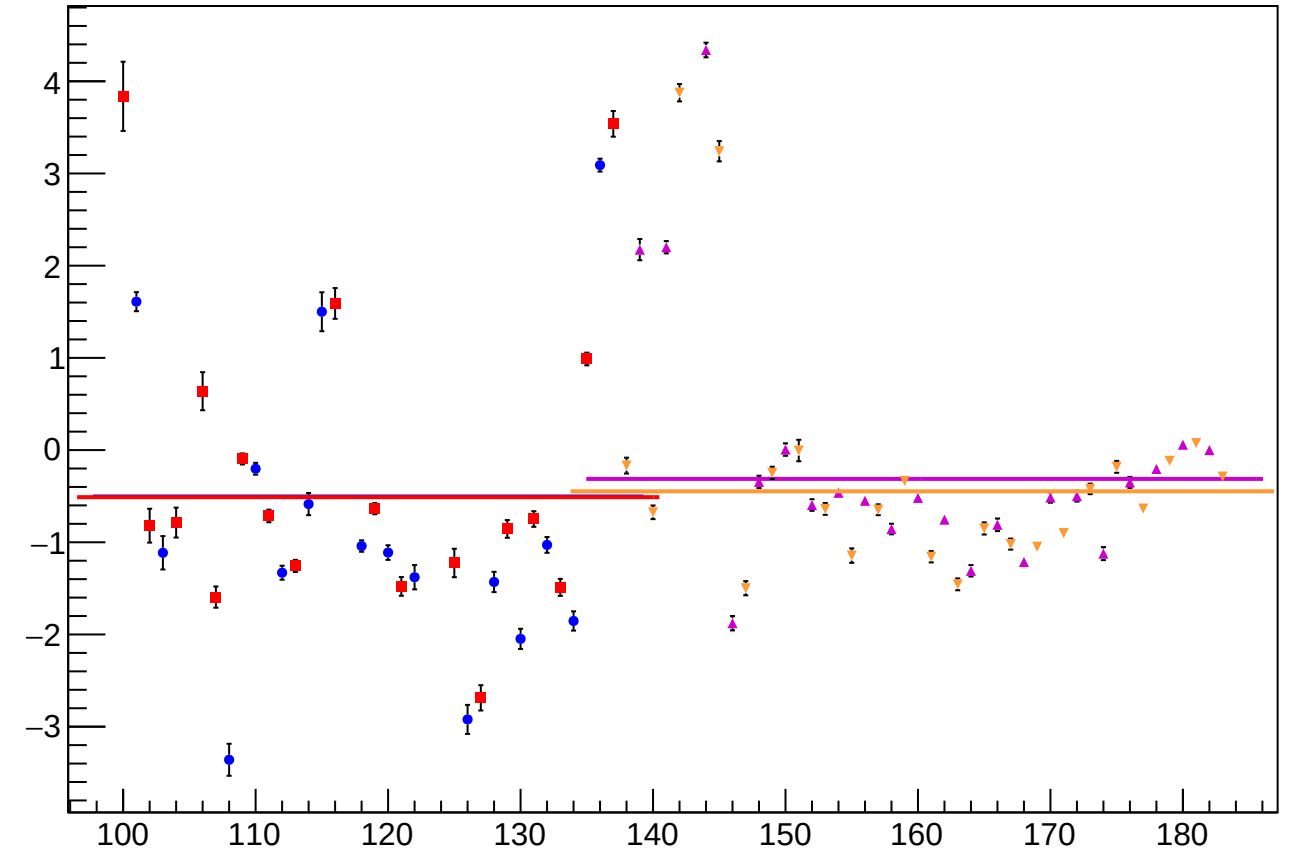
Left: -0.364+/-0.010 χ^2/NDF: 250529.6/44

Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: 0.355+/-0.012 χ^2/NDF:205700.9/37

Out: 0.273+/-0.012 χ^2/NDF:203312.4/40

All: 0.314+/-0.008 χ^2/NDF: 409037.9/78



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.447+/-0.013 χ^2/NDF:4527.0/22

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.313+/-0.012 χ^2/NDF:6852.9/21

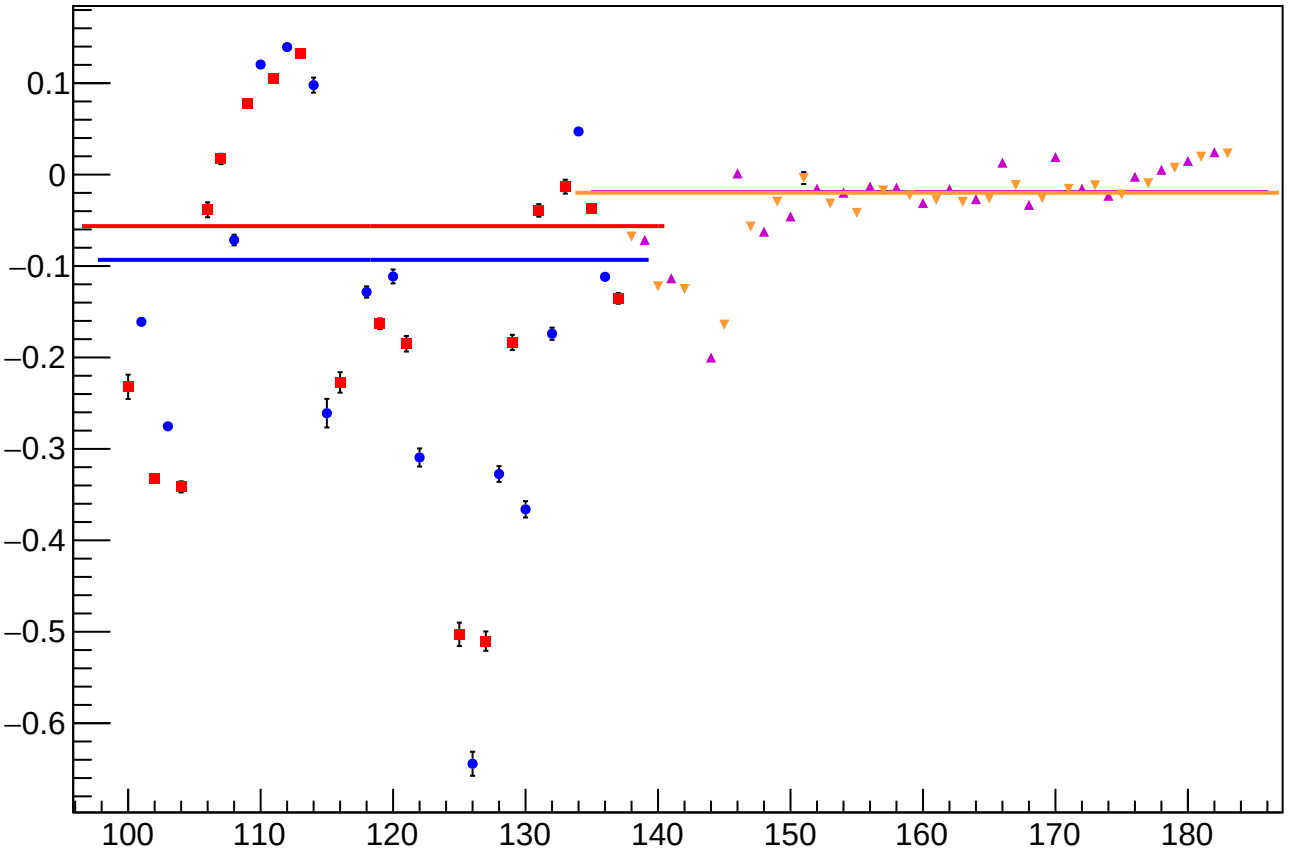
Left: -0.377+/-0.009 χ^2/NDF: 11438.9/44

Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.352+/-0.011 χ^2/NDF:11351.6/37

Out: -0.463+/-0.011 χ^2/NDF:6957.1/40

All: -0.406+/-0.008 χ^2/NDF: 18360.5/78



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.020+/-0.001 χ^2/NDF:4031.4/22

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.019+/-0.001 χ^2/NDF:4732.4/21

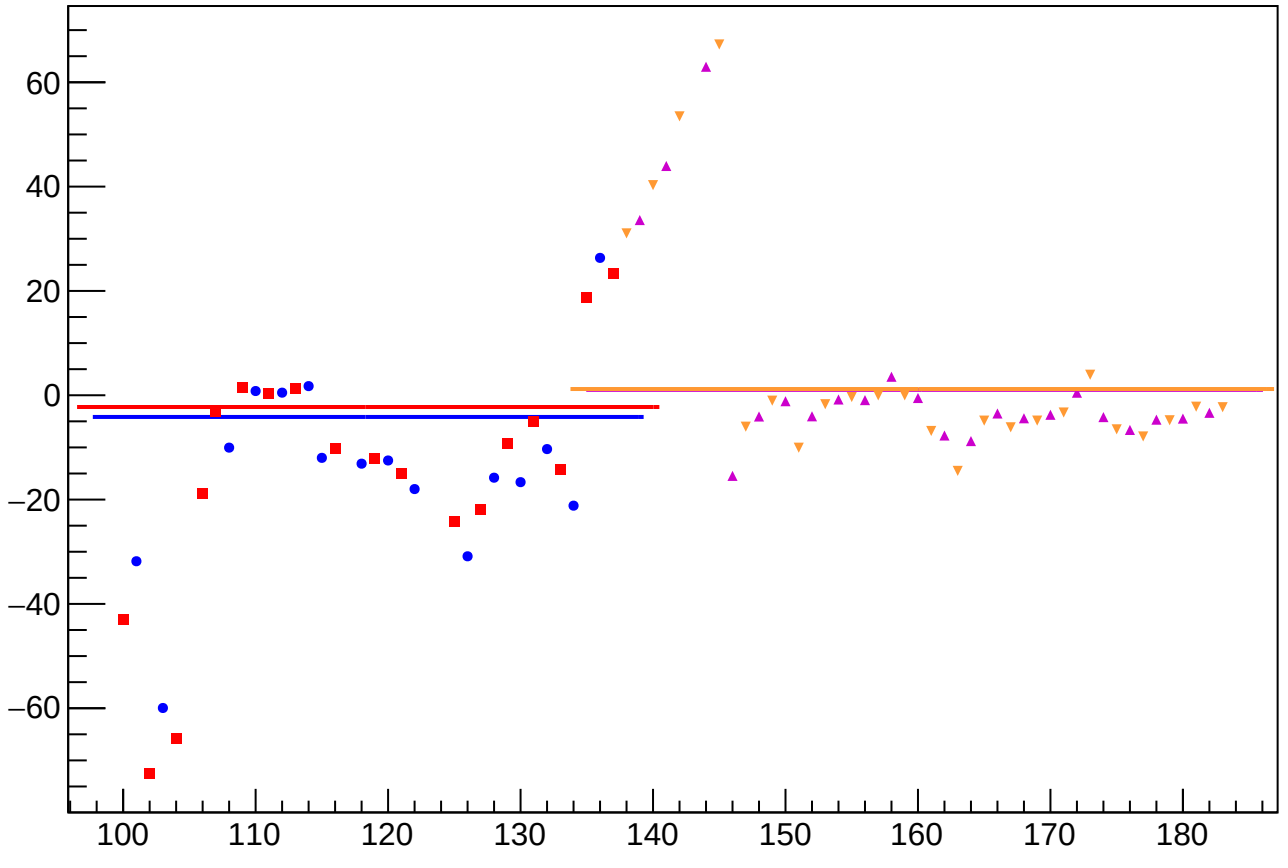
Left: -0.019+/-0.000 χ^2/NDF: 8765.1/44

Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.028+/-0.000 χ^2/NDF:18902.9/37

Out: -0.025+/-0.001 χ^2/NDF:19150.0/40

All: -0.027+/-0.000 χ^2/NDF: 38064.1/78



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 1.195+/-0.041 χ^2/NDF:130552.0/22

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: 1.113+/-0.029 χ^2/NDF: 263126.4/44

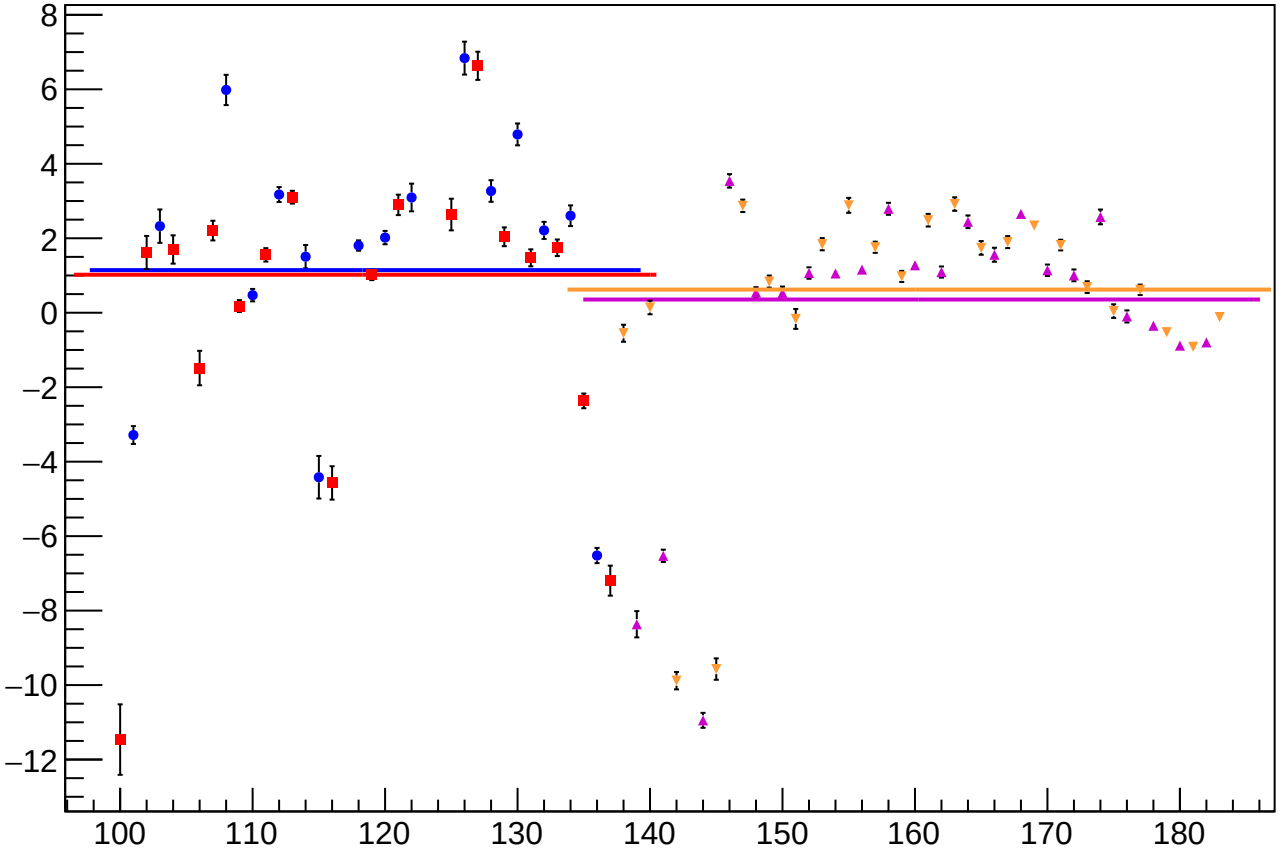
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: -0.818+/-0.032 χ^2/NDF:213853.9/37

Out: -0.334+/-0.031 χ^2/NDF:213317.9/40

All: -0.561+/-0.022 χ^2/NDF: 427289.5/78

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: 0.622+/-0.034 χ^2/NDF:4673.7/22

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.355+/-0.032 χ^2/NDF:7118.7/21

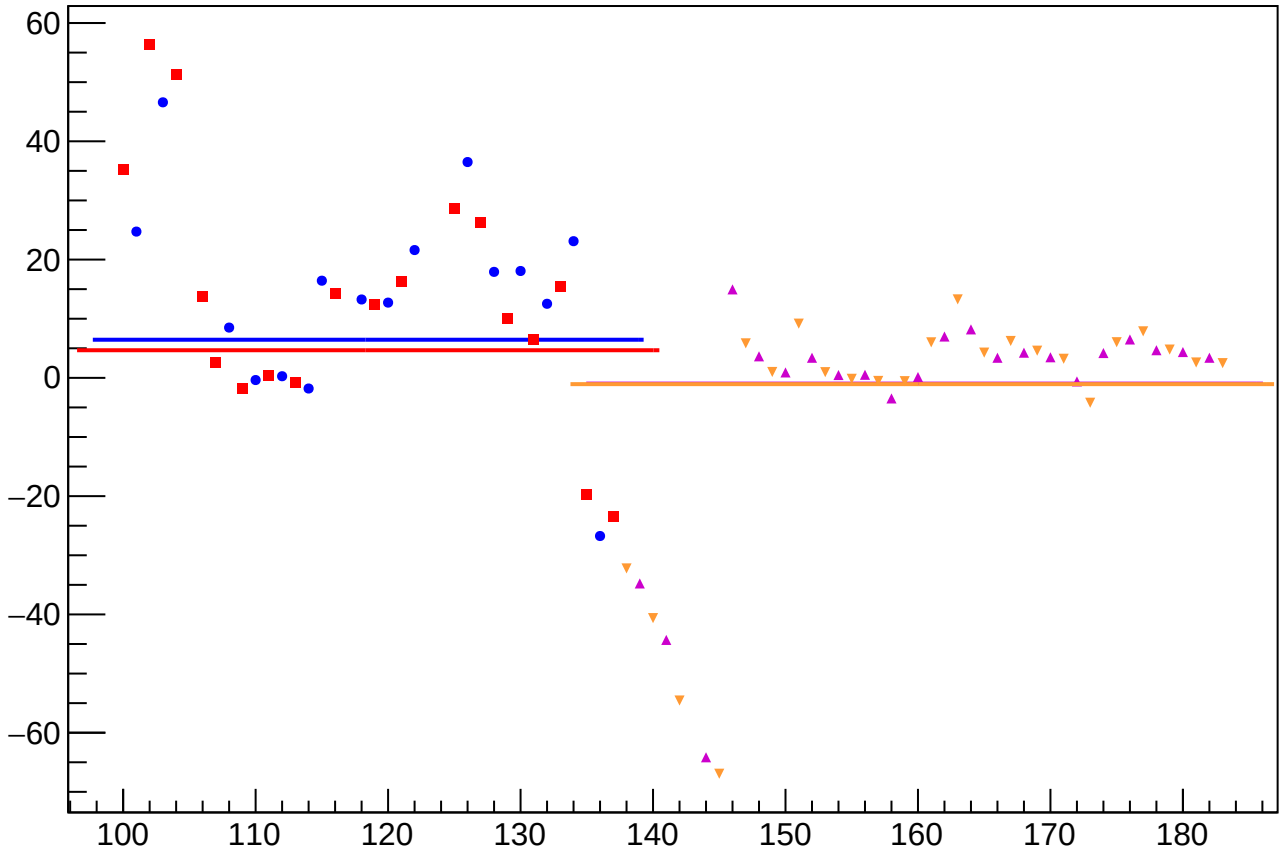
Left: 0.481+/-0.023 χ^2/NDF: 11825.8/44

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.526+/-0.028 χ^2/NDF:9848.9/37

Out: 0.724+/-0.029 χ^2/NDF:6301.2/40

All: 0.622+/-0.020 χ^2/NDF: 16174.1/78



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -1.062+/-0.041 χ^2/NDF:125883.9/22

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: -1.015+/-0.029 χ^2/NDF: 255118.4/44

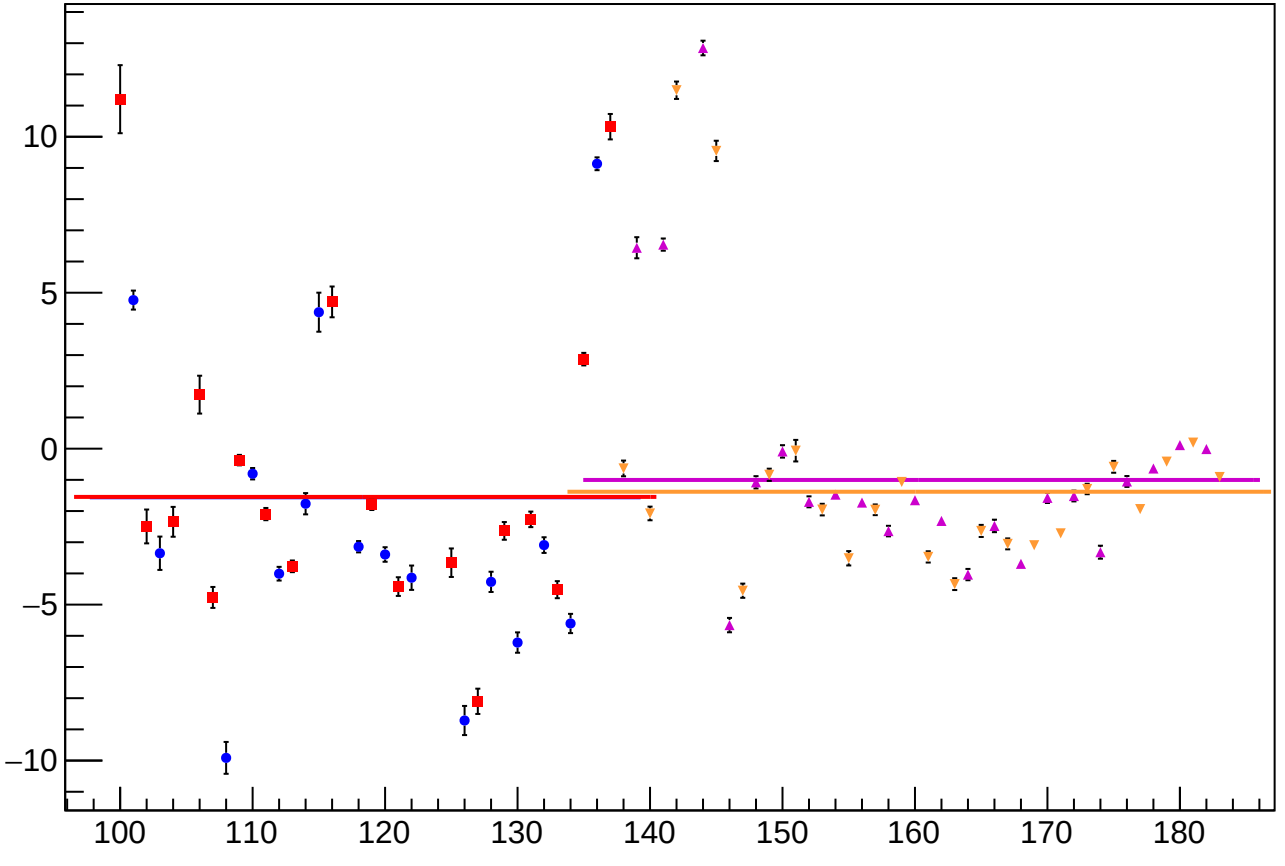
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: 1.059+/-0.034 χ^2/NDF:209540.3/37

Out: 0.803+/-0.034 χ^2/NDF:206672.7/40

All: 0.930+/-0.024 χ^2/NDF: 416241.9/78

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: -1.381+/-0.037 χ^2/NDF:4582.7/22

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.003+/-0.035 χ^2/NDF:7024.3/21

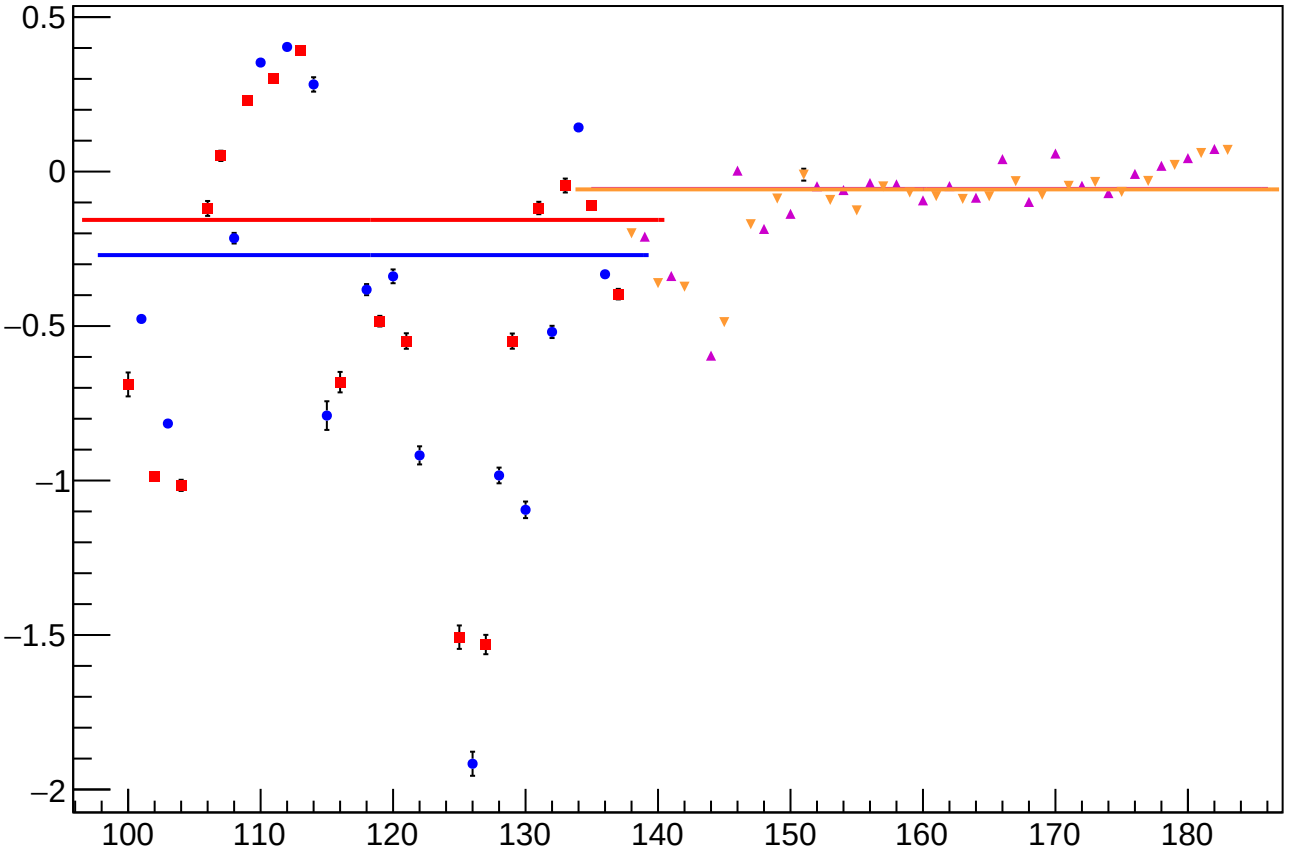
Left: -1.182+/-0.025 χ^2/NDF: 11661.8/44

Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.117+/-0.031 χ^2/NDF:11618.6/37

Out: -1.422+/-0.032 χ^2/NDF:7057.7/40

All: -1.266+/-0.022 χ^2/NDF: 18722.6/78



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.058+/-0.002 χ^2/NDF:4133.5/22

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.056+/-0.002 χ^2/NDF:4854.7/21

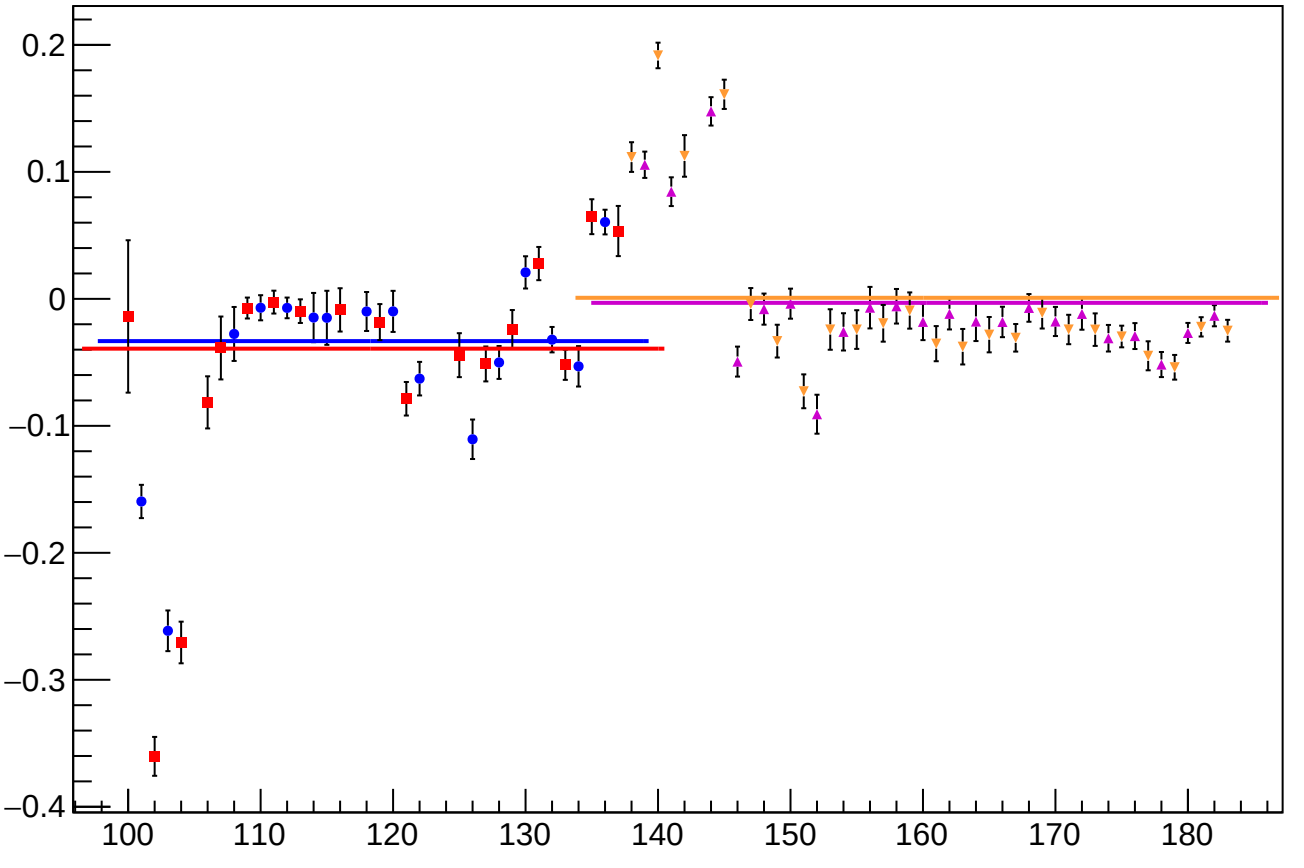
Left: -0.057+/-0.001 χ^2/NDF: 8988.6/44

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.081+/-0.001 χ^2/NDF:19318.4/37

Out: -0.073+/-0.001 χ^2/NDF:19738.4/40

All: -0.077+/-0.001 χ^2/NDF: 39073.4/78



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/22

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: -0.001+/-0.002 χ^2/NDF: 1308.6/44

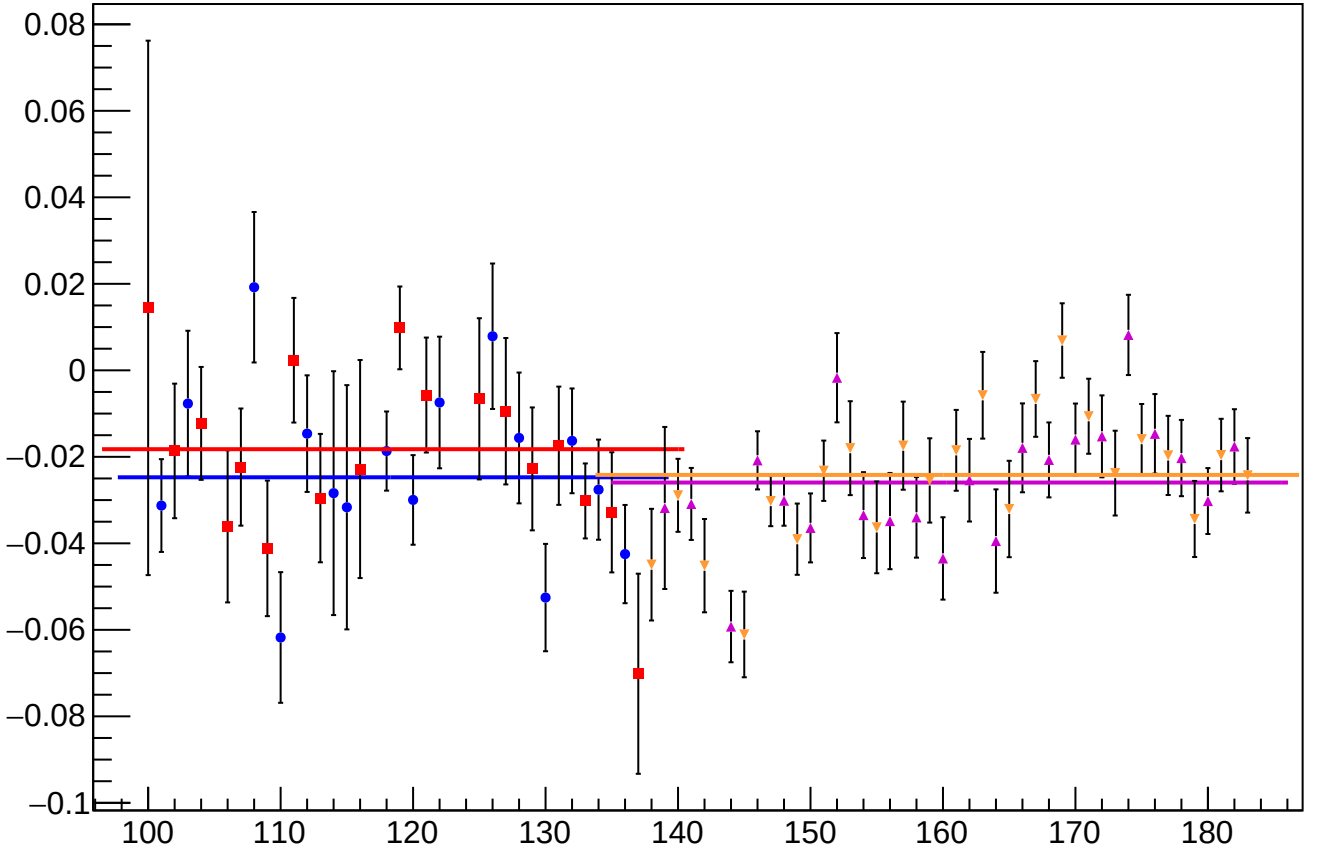
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.014+/-0.002 χ^2/NDF:976.8/37

Out: -0.014+/-0.002 χ^2/NDF:1757.8/40

All: -0.014+/-0.001 χ^2/NDF: 2734.6/78

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:53.7/22

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: 106.2/44

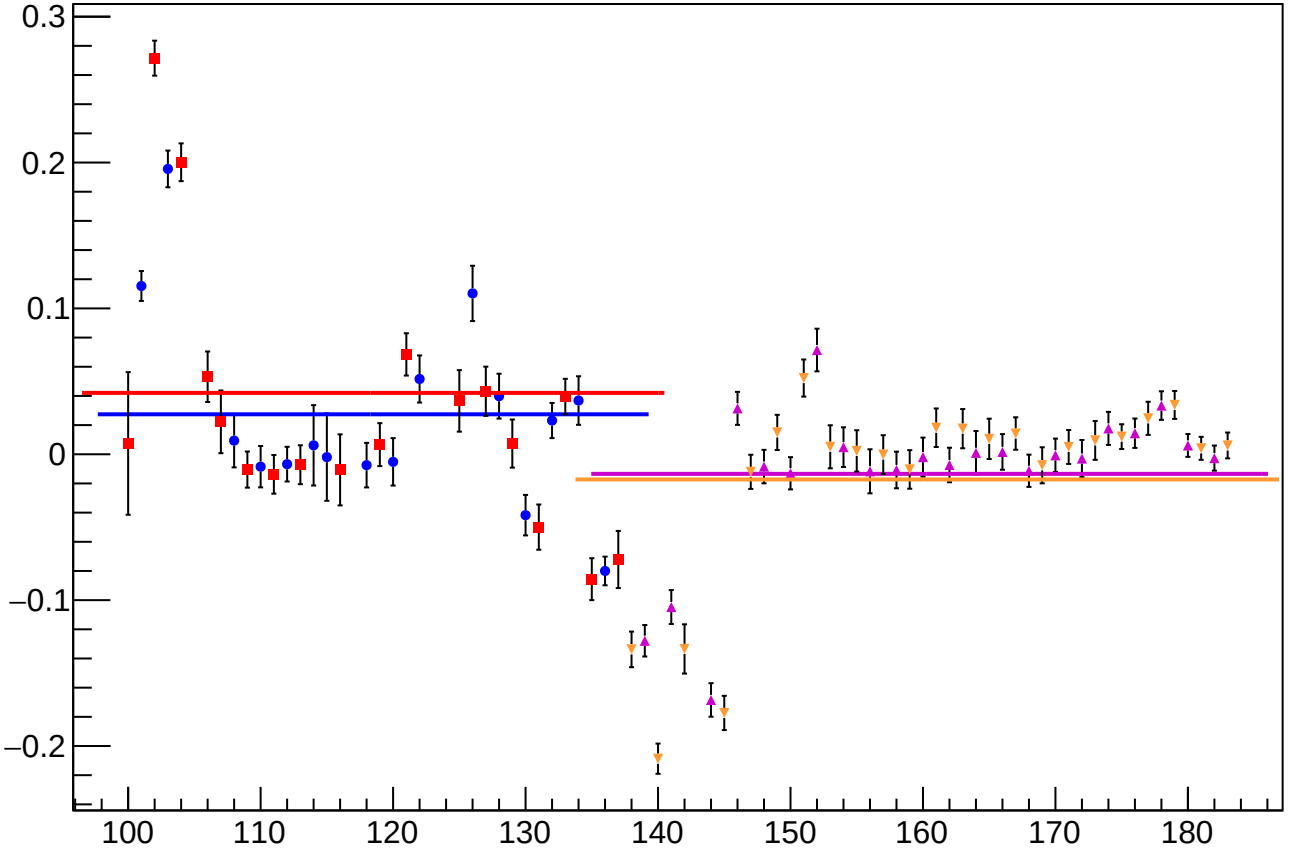
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.026+/-0.002 χ^2/NDF:80.7/37

Out: -0.023+/-0.002 χ^2/NDF:80.7/40

All: -0.024+/-0.001 χ^2/NDF: 163.0/78

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: -0.017+/-0.002 χ^2/NDF:811.8/22

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.013+/-0.002 χ^2/NDF:458.5/21

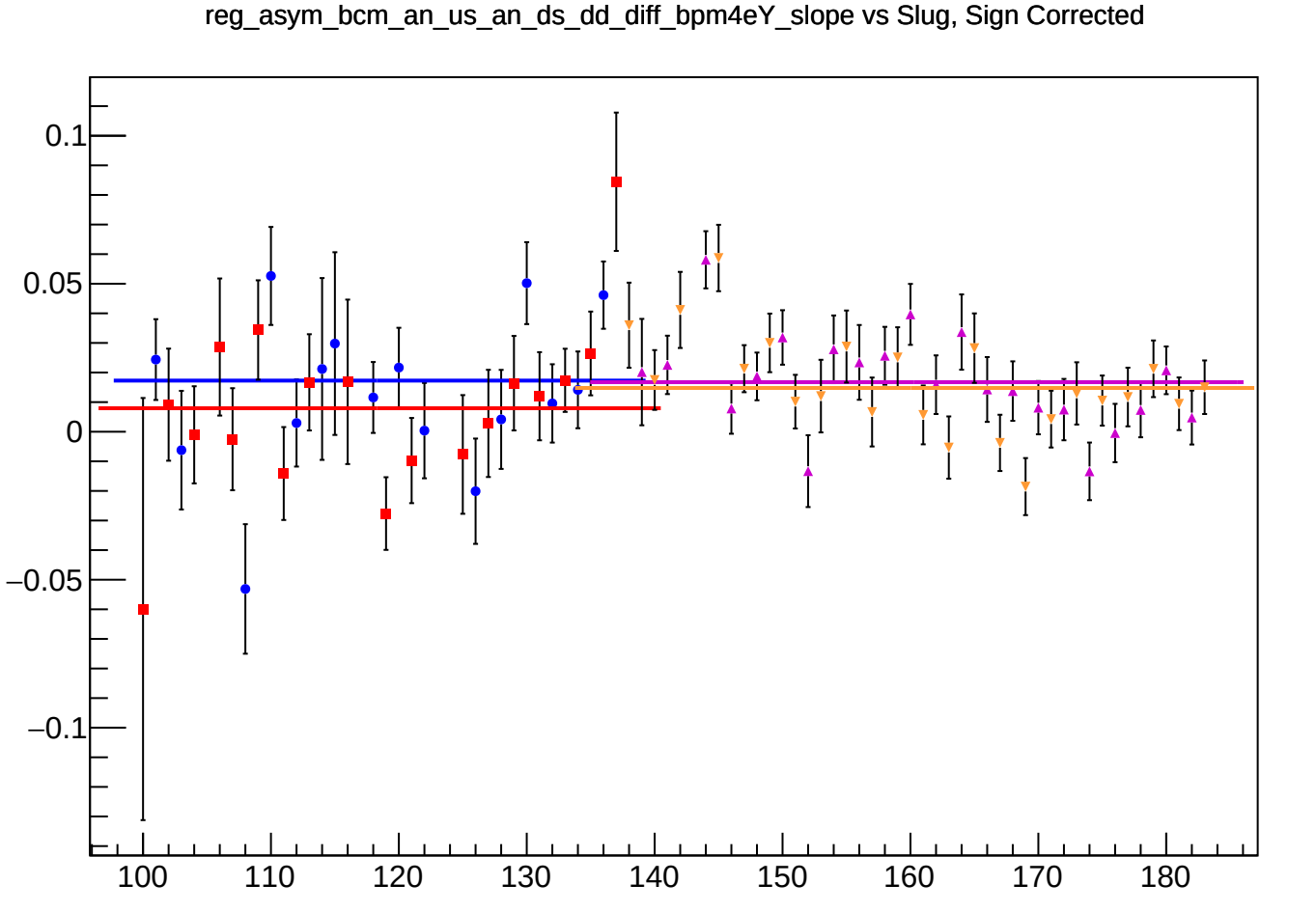
Left: -0.015+/-0.002 χ^2/NDF: 1271.6/44

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

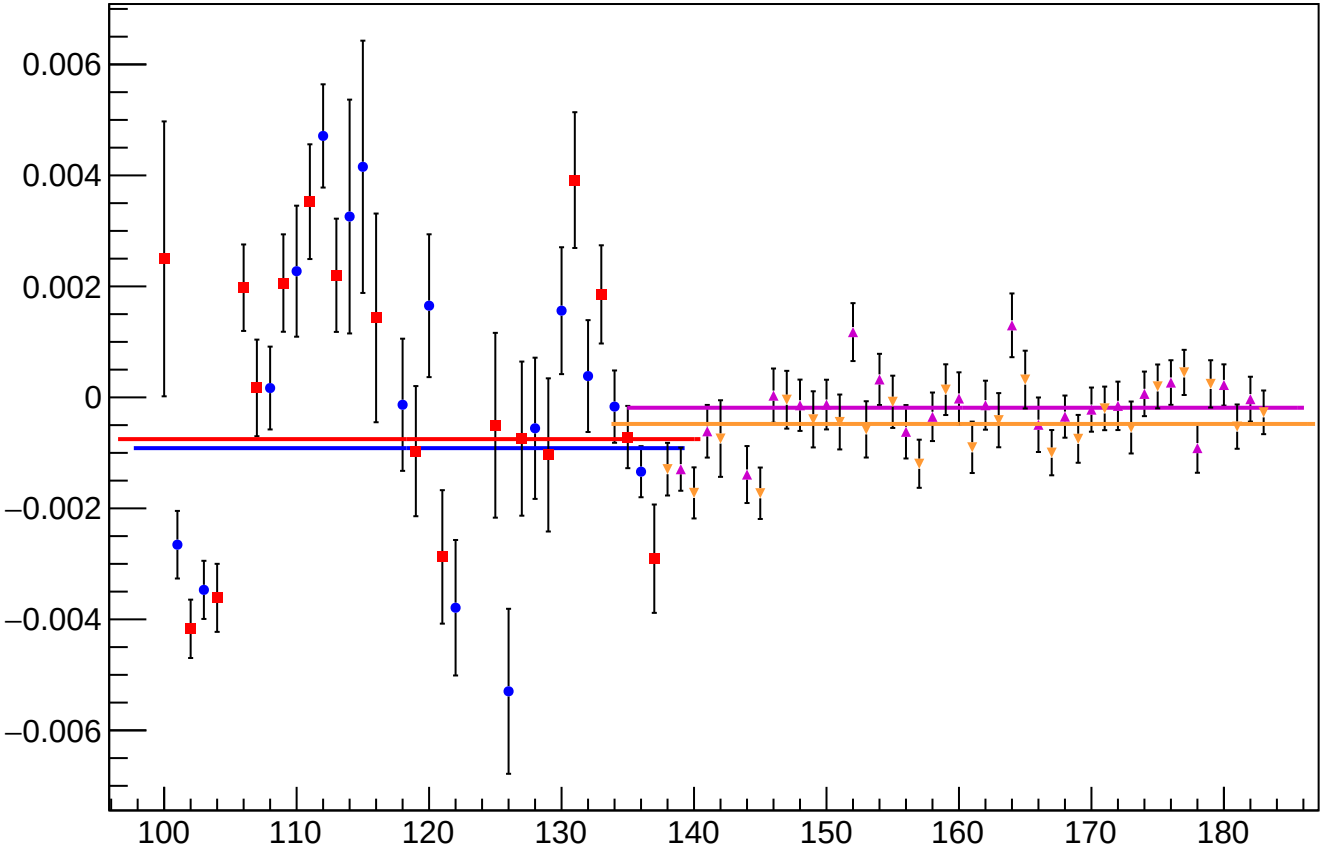
In: -0.001+/-0.002 χ^2/NDF:994.1/37

Out: 0.001+/-0.002 χ^2/NDF:1730.5/40

All: 0.000+/-0.001 χ^2/NDF: 2724.9/78


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
Right In: 0.017+/-0.004 χ²/NDF: 36.7/15
Left Out: 0.015+/-0.002 χ²/NDF:51.9/22
Right Out: 0.008+/-0.004 χ²/NDF: 31.4/17
Left In: 0.017+/-0.002 χ²/NDF:54.9/21
Left: 0.016+/-0.001 χ²/NDF: 107.3/44
Right: 0.013+/-0.003 χ²/NDF: 71.0/33
In: 0.017+/-0.002 χ²/NDF:91.6/37
Out: 0.013+/-0.002 χ²/NDF:85.7/40
All: 0.015+/-0.001 χ²/NDF: 179.2/78

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.7/22

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: 82.3/44

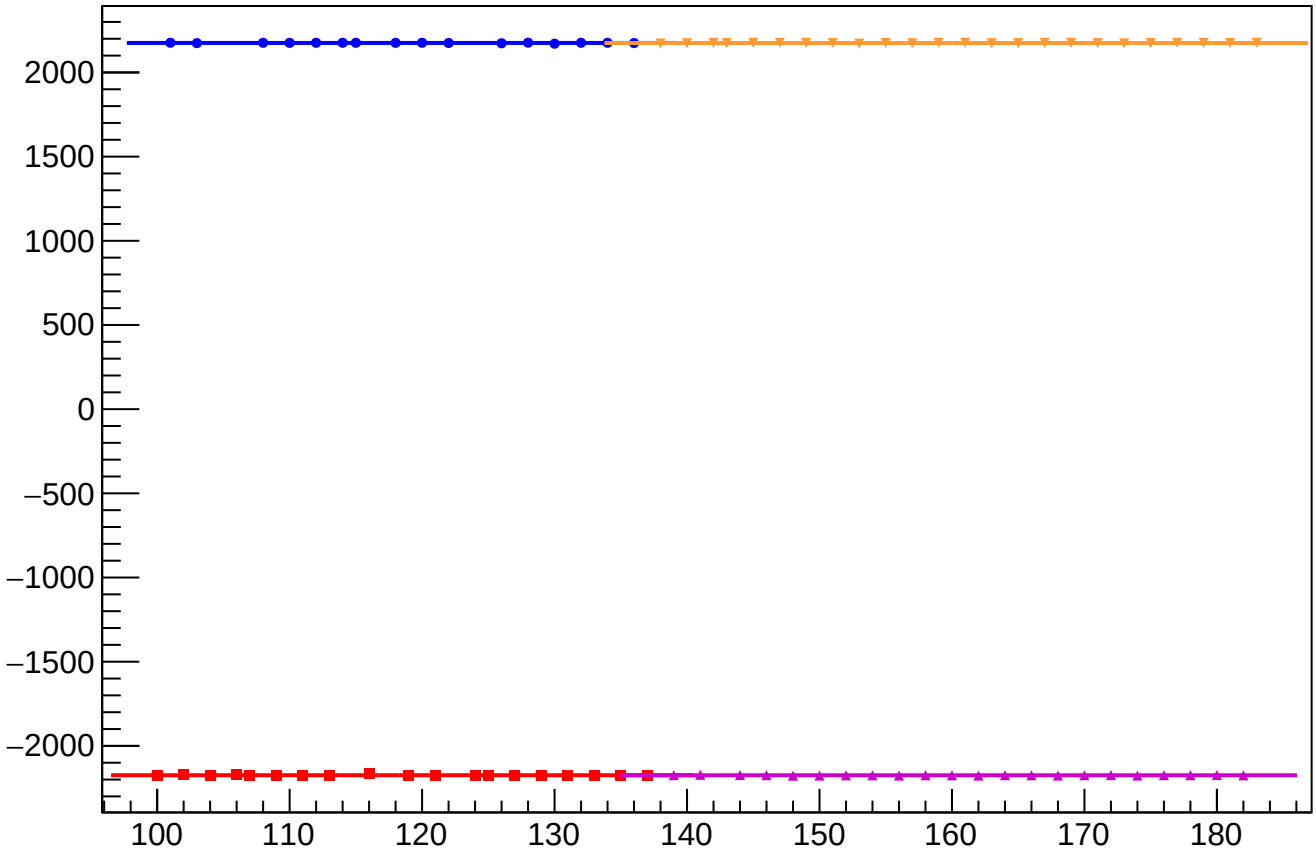
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:160.7/37

Out: -0.001+/-0.000 χ^2/NDF:189.7/40

All: -0.000+/-0.000 χ^2/NDF: 353.5/78

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.689+/-0.000 χ^2/NDF:48898289461128796882028446309416 96.0/23

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

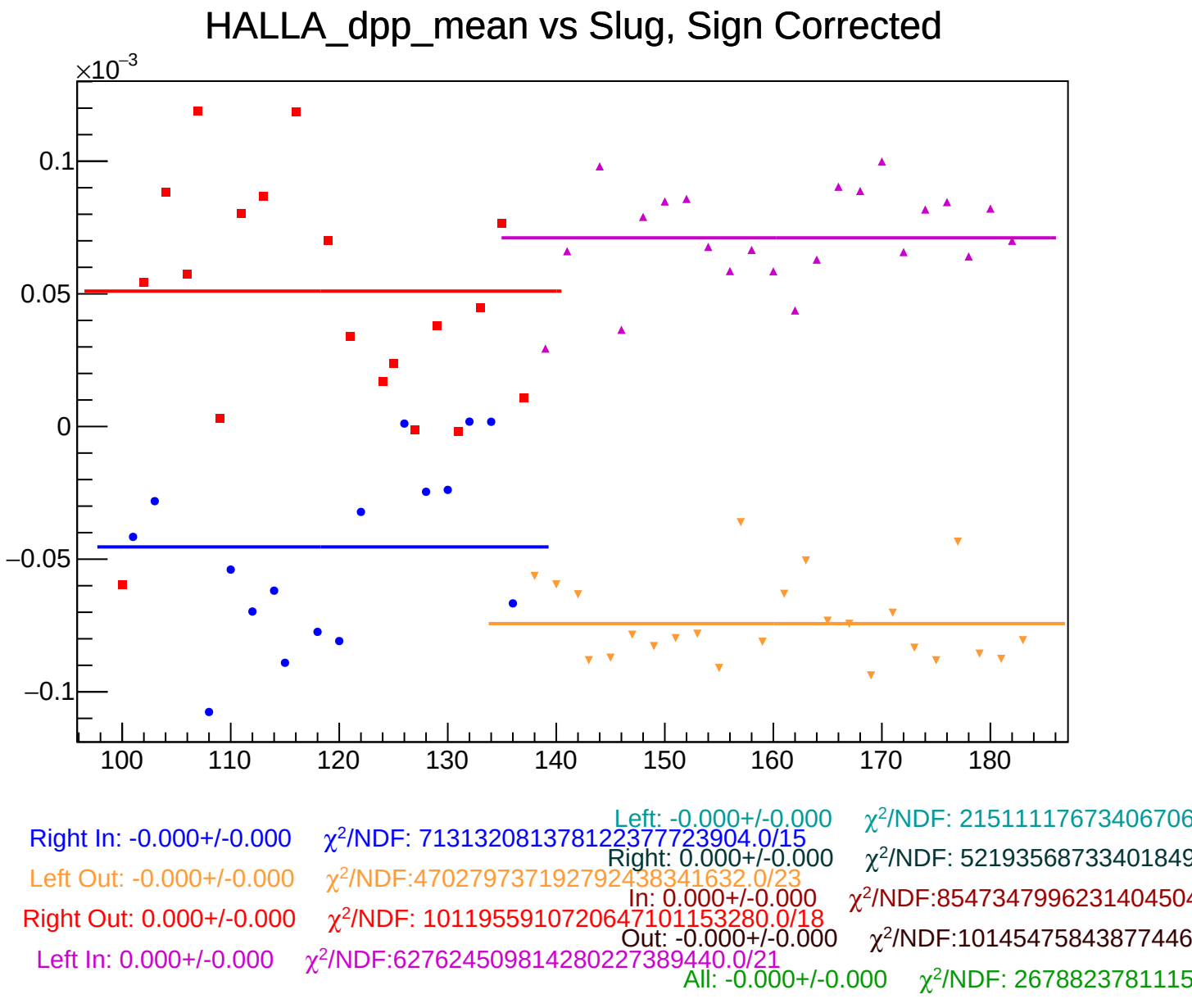
Left: 65.321+/-0.000 χ^2/NDF: 1826571536901692

Right: -31.373+/-0.000 χ^2/NDF: 711179104907611

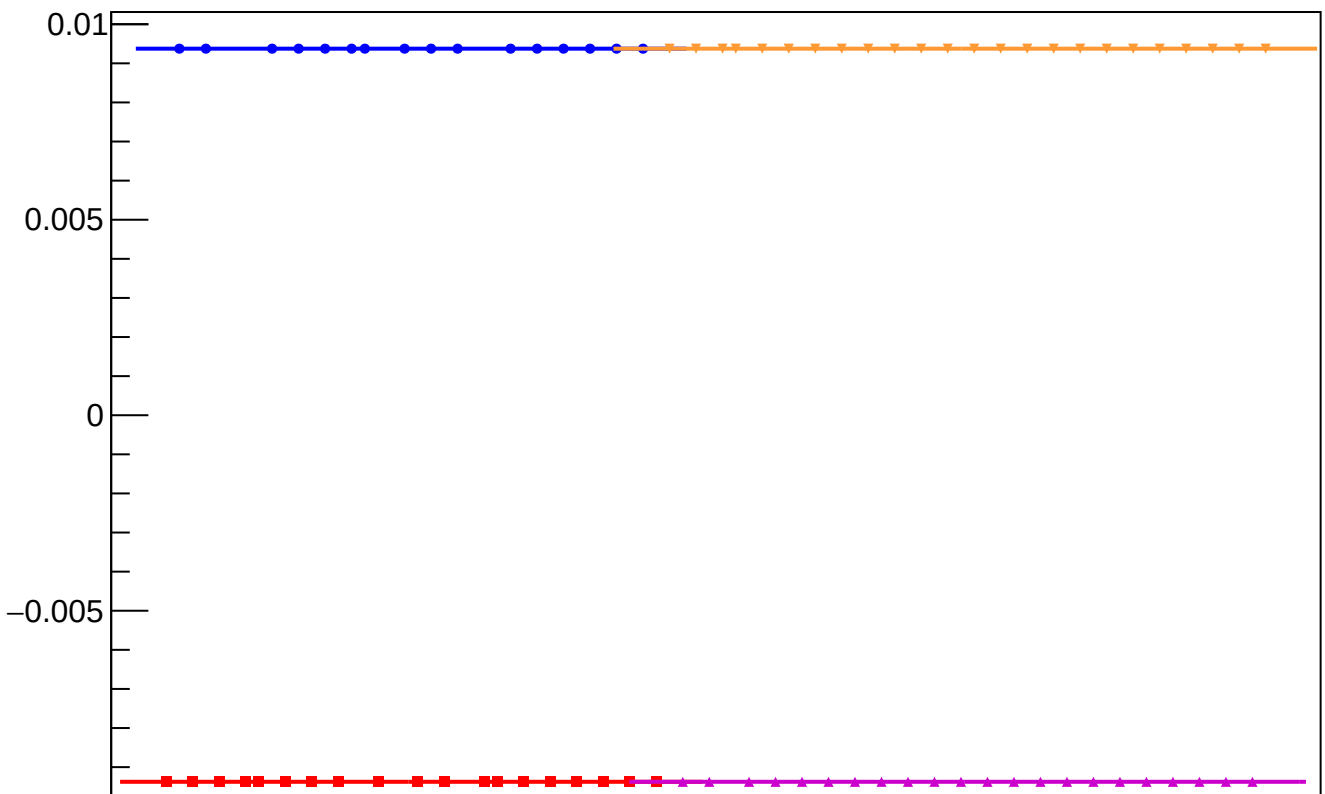
In: -942.450+/-0.000 χ^2/NDF:100487027810014

Out: 969.788+/-0.000 χ^2/NDF:104331077197983

All: 38.240+/-0.000 χ^2/NDF: 253876300707


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:4702797371927924383416320.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
Left In: 0.000+/-0.000 χ²/NDF:6276245098142802273894400.0/21
Left: -0.000+/-0.000 χ²/NDF: 215111176734067060
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:8547347996231404504
Out: -0.000+/-0.000 χ²/NDF:10145475843877446
All: -0.000+/-0.000 χ²/NDF: 2678823781115

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:0.0/23

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: 339479244131530123

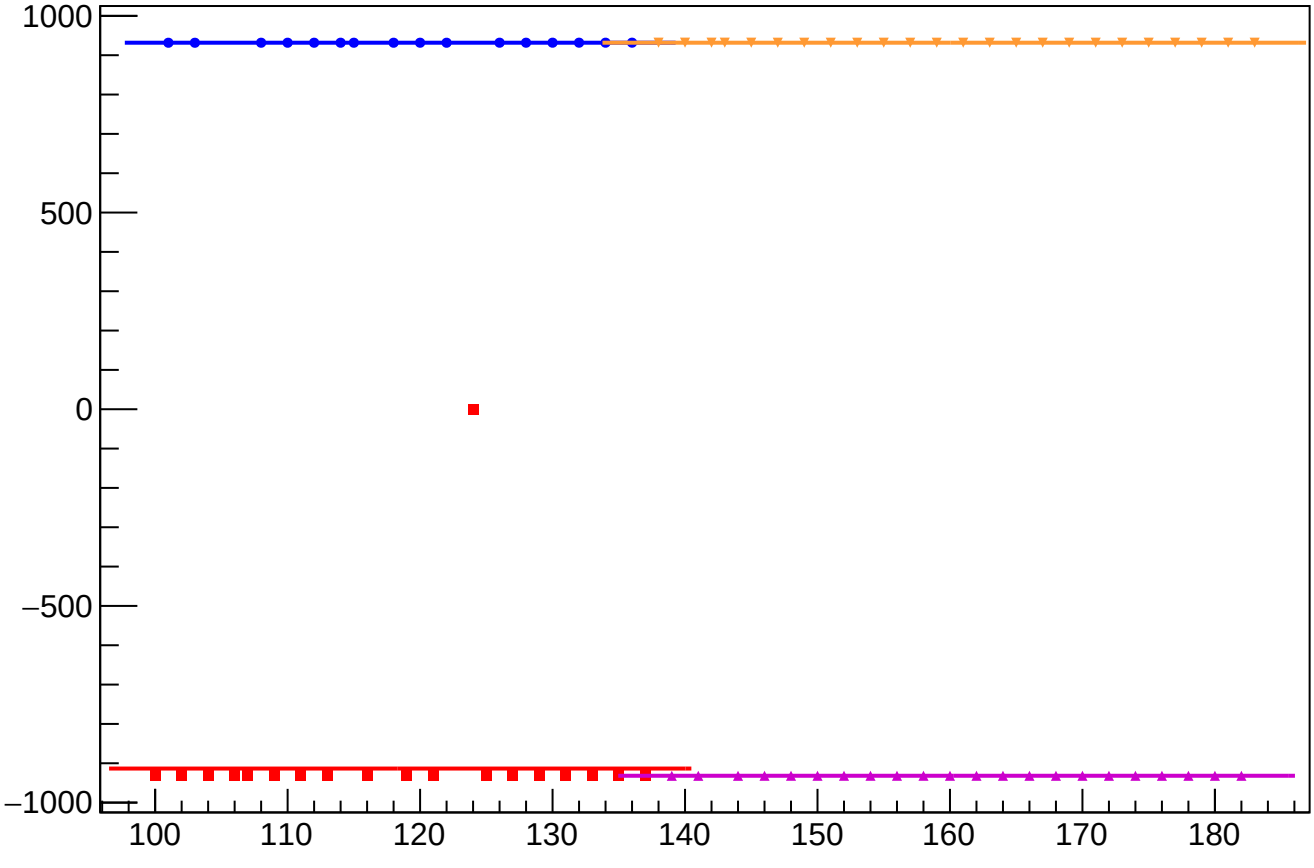
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:186717182124426175

Out: 0.004+/-0.000 χ^2/NDF:193925270629084562

All: 0.000+/-0.000 χ^2/NDF: 4718280377094

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:42214038033346576746692875386880.0/23

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.778+/-0.000 χ^2/NDF:38236703381627131339997687316480.0/21

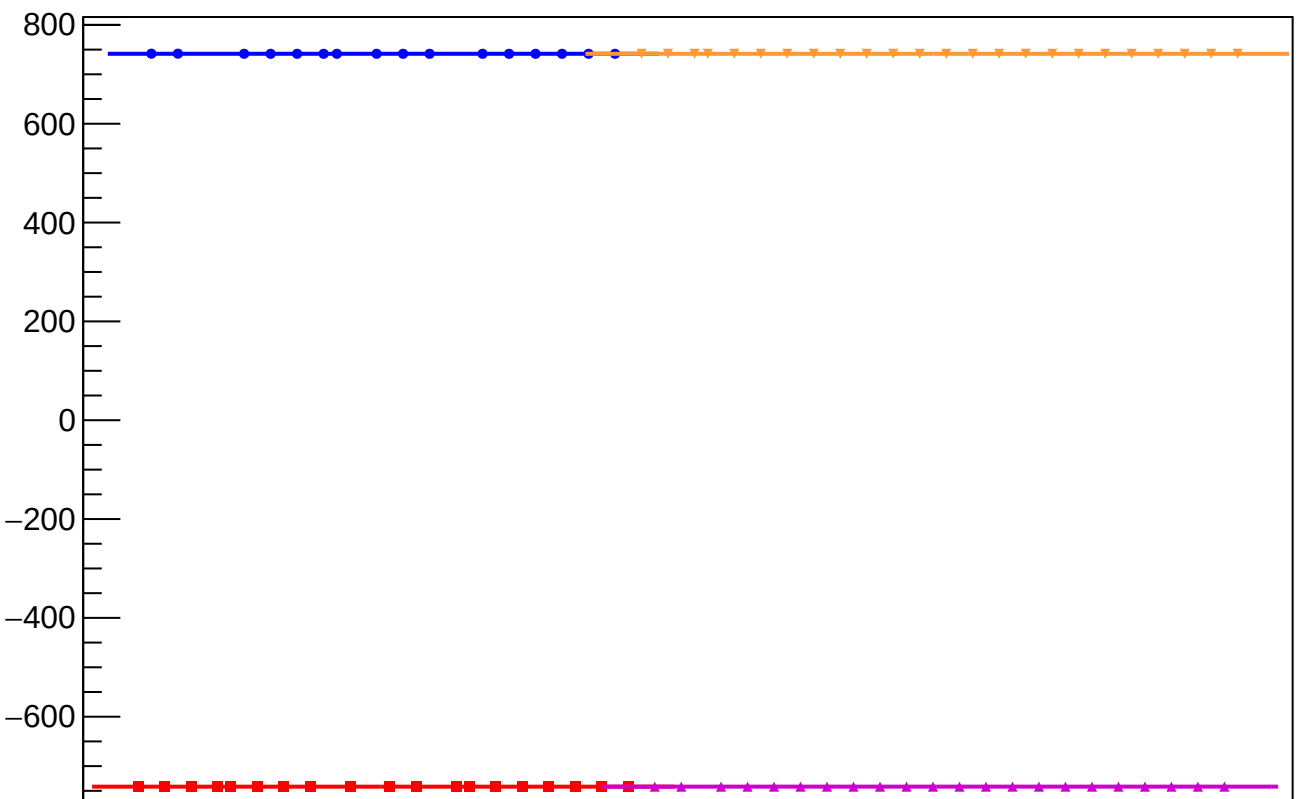
Left: 27.962+/-0.000 χ^2/NDF: 335350689204184271

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -403.916+/-0.000 χ^2/NDF:1844432161485809

Out: 420.561+/-0.000 χ^2/NDF:1890931804114376

All: 18.916+/-0.000 χ^2/NDF: 4647341391534



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.513+/-0.000 χ^2/NDF:2364812158379302251068118794 24.0/23

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

Left In: -741.512+/-0.000 χ^2/NDF:215784506849746034255630172160.0/21

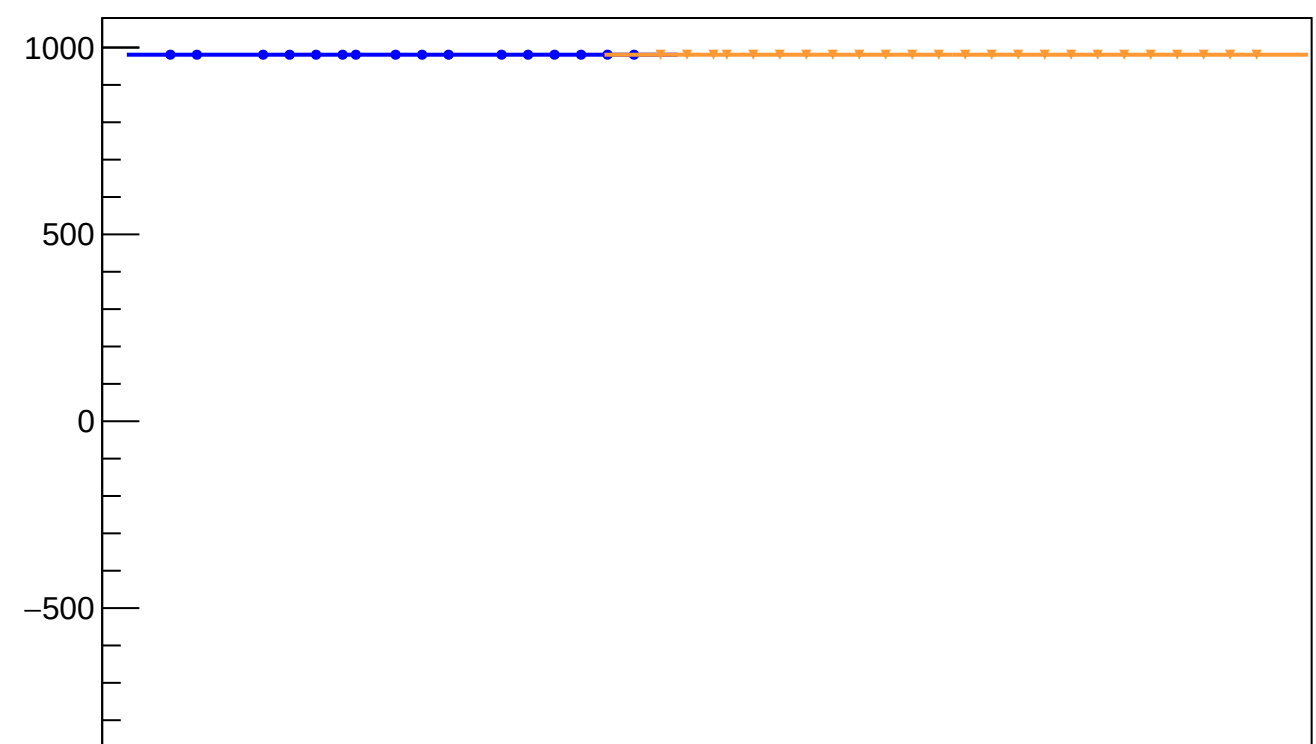
Left: 22.249+/-0.000 χ^2/NDF: 21237701659318268

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

In: -321.419+/-0.000 χ^2/NDF:1168184661016255

Out: 330.620+/-0.000 χ^2/NDF:1213295330609286

All: 12.979+/-0.000 χ^2/NDF: 2951874623962



Left: 29.426+/-0.000 χ^2/NDF: 3715402593258869

Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Right: -14.307+/-0.000 χ^2/NDF: 144638600880856

Left Out: 980.768+/-0.000 χ^2/NDF:7857866638142249259360269107200/23

In: -425.143+/-0.000 χ^2/NDF:2043584677810815

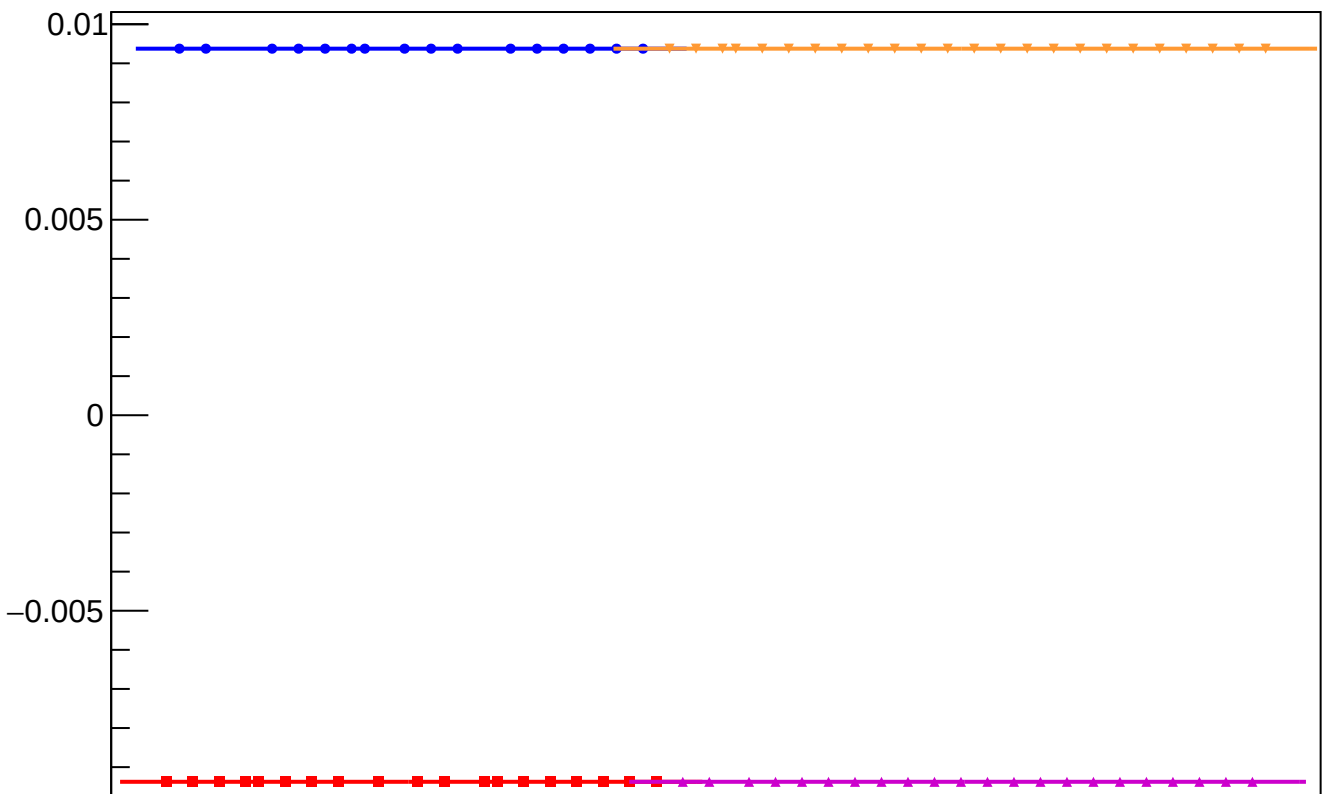
Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

Out: 437.334+/-0.000 χ^2/NDF:2122293573394001

Left In: -980.773+/-0.000 χ^2/NDF:151245975520559514122065018880 0/21

All: 17.177+/-0.000 χ^2/NDF: 5163859416601

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:0.0/23

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/21

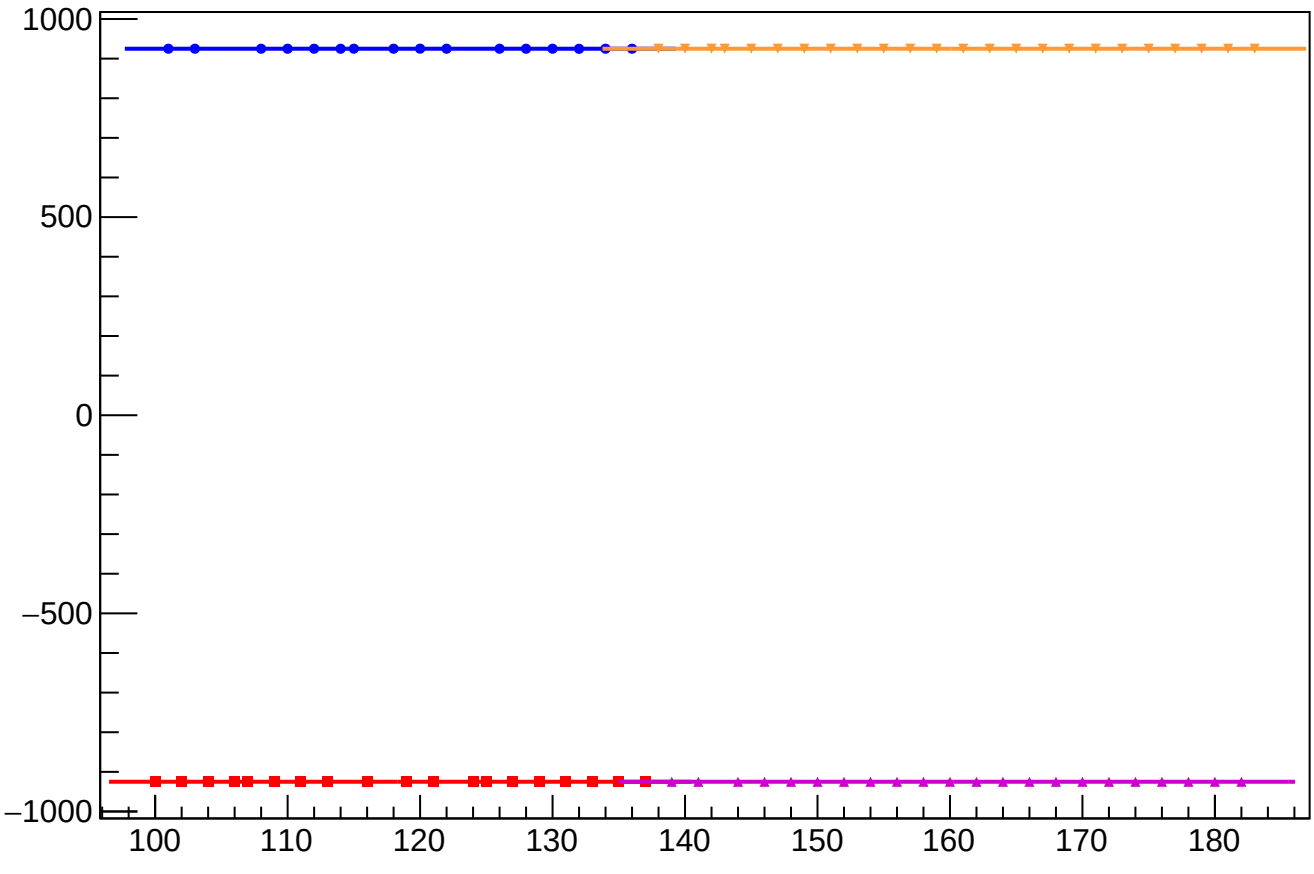
Left: 0.000+/-0.000 χ^2/NDF: 339479244131530123

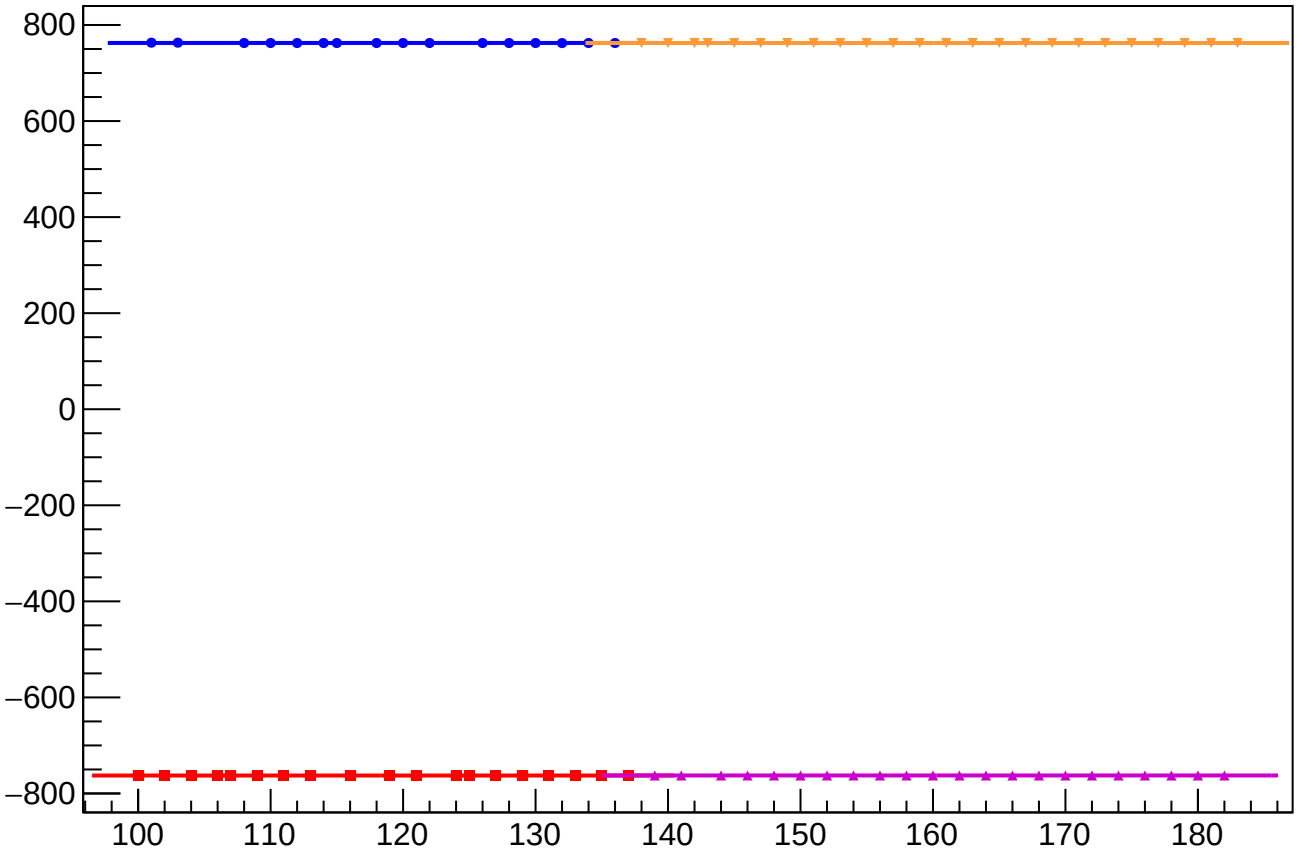
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:186717182124426175

Out: 0.004+/-0.000 χ^2/NDF:193925270629084562

All: 0.000+/-0.000 χ^2/NDF: 4718280377094


HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Left: 27.755+/-0.000 χ²/NDF: 3304743894704358
Right In: 924.966+/-0.000 χ²/NDF: 254437050808765880053303712153 6.0/15
Right: -13.534+/-0.000 χ²/NDF: 128650155911450
Left Out: 924.983+/-0.000 χ²/NDF:1142324810783897606099600146432.0/23
In: -400.972+/-0.000 χ²/NDF:1817611273063586
Right Out: -924.974+/-0.000 χ²/NDF: 124198152111689090023635183206 4.0/18
Out: 412.449+/-0.000 χ²/NDF:1887796290788436
Left In: -924.982+/-0.000 χ²/NDF:864143419815956356205067108352.0/21
All: 16.191+/-0.000 χ²/NDF: 459309130720



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.518+/-0.000 χ^2/NDF:760306655191977397488308977664.0/23

Right Out: -762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

Left In: -762.518+/-0.000 χ^2/NDF:66165106340768159950575555 37408.0/21

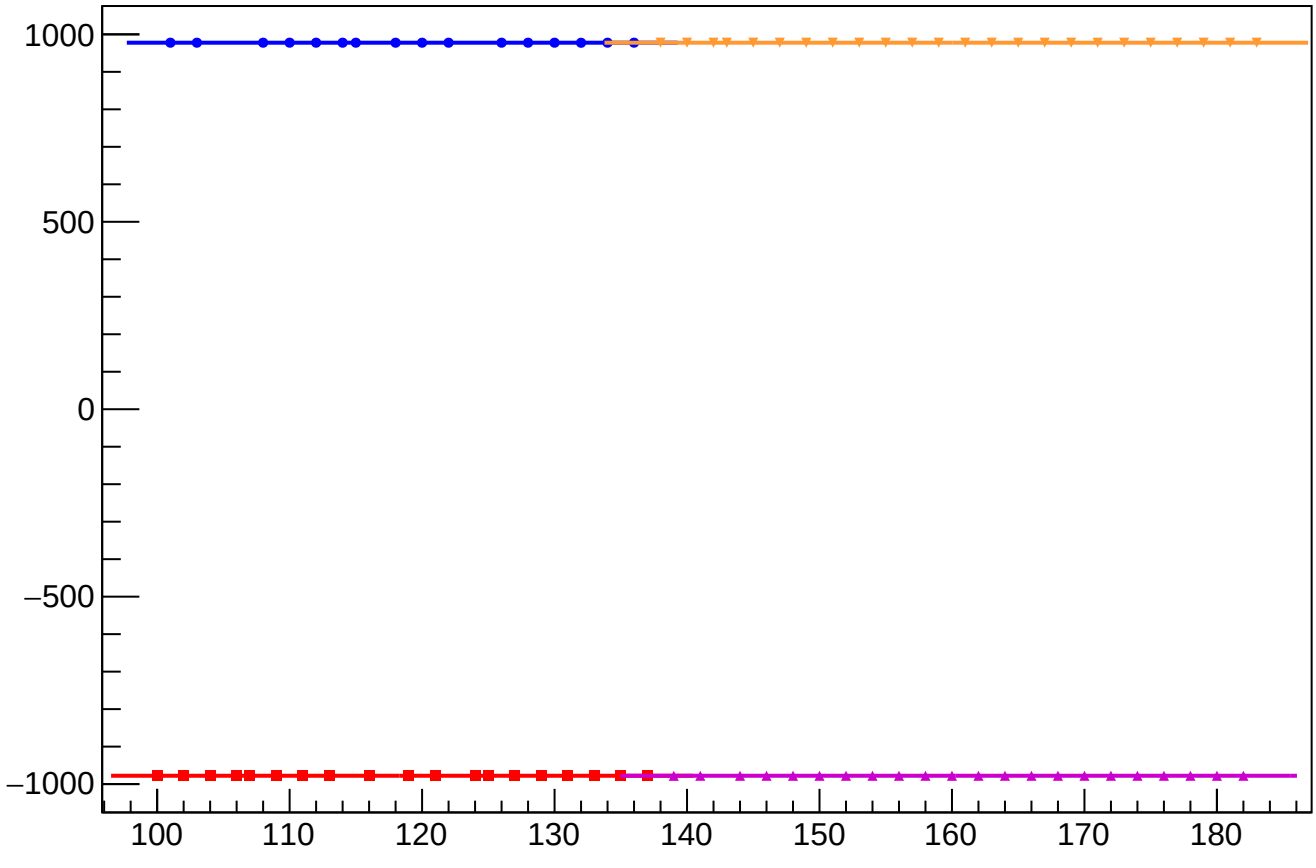
Left: 22.879+/-0.000 χ^2/NDF: 22458004405349432

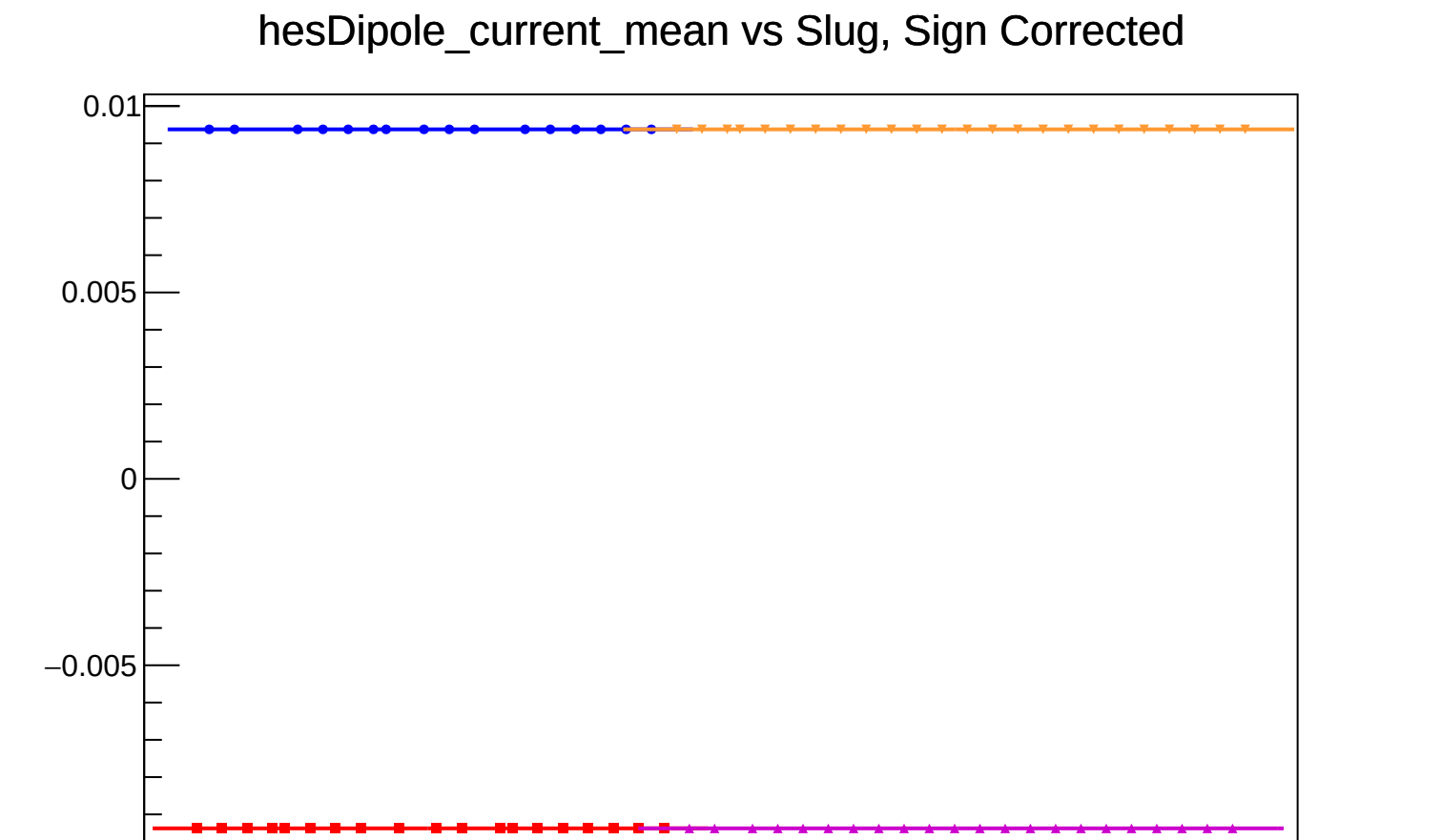
Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

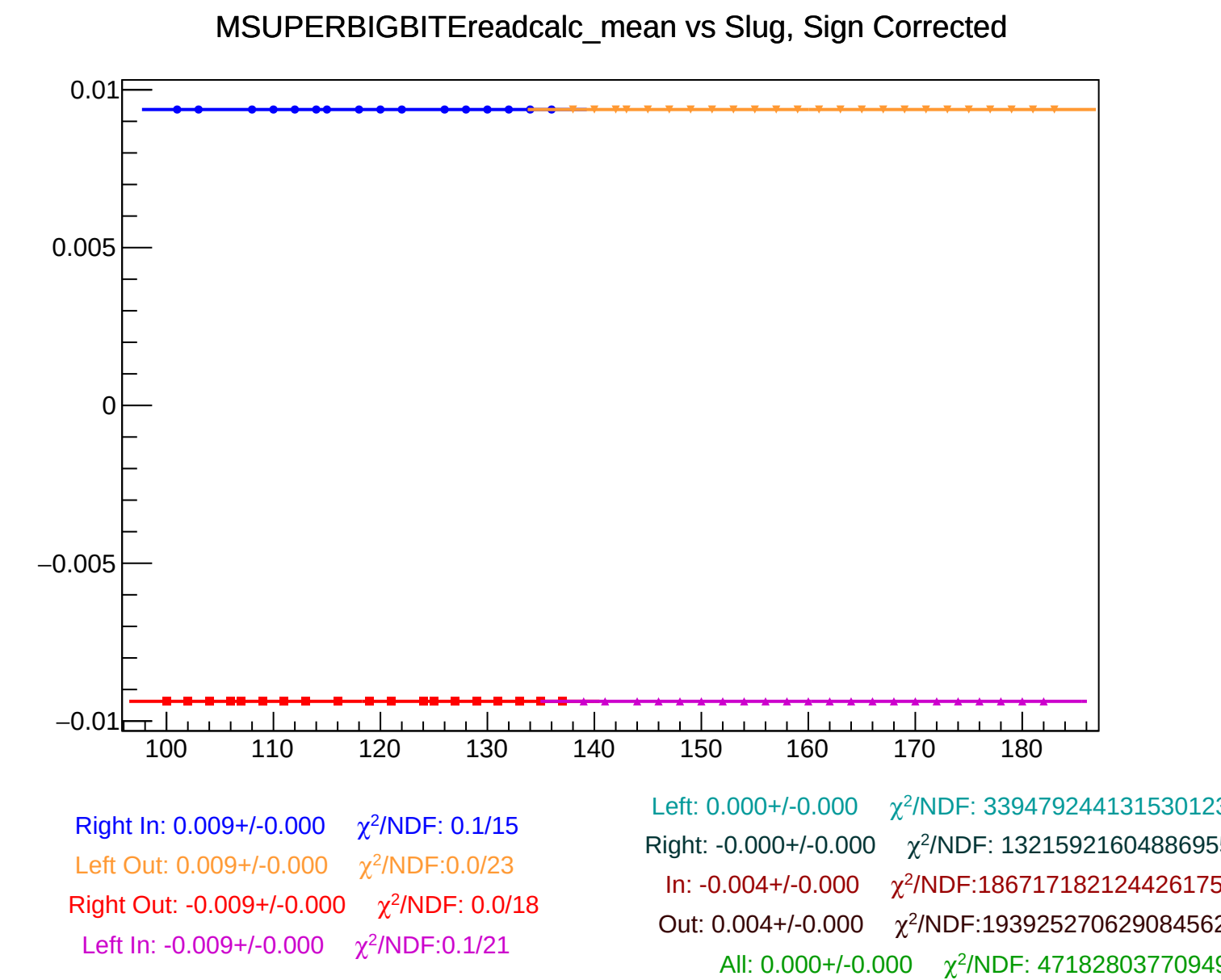
In: -330.515+/-0.000 χ^2/NDF:1235364154575854

Out: 339.977+/-0.000 χ^2/NDF:1283066250309334

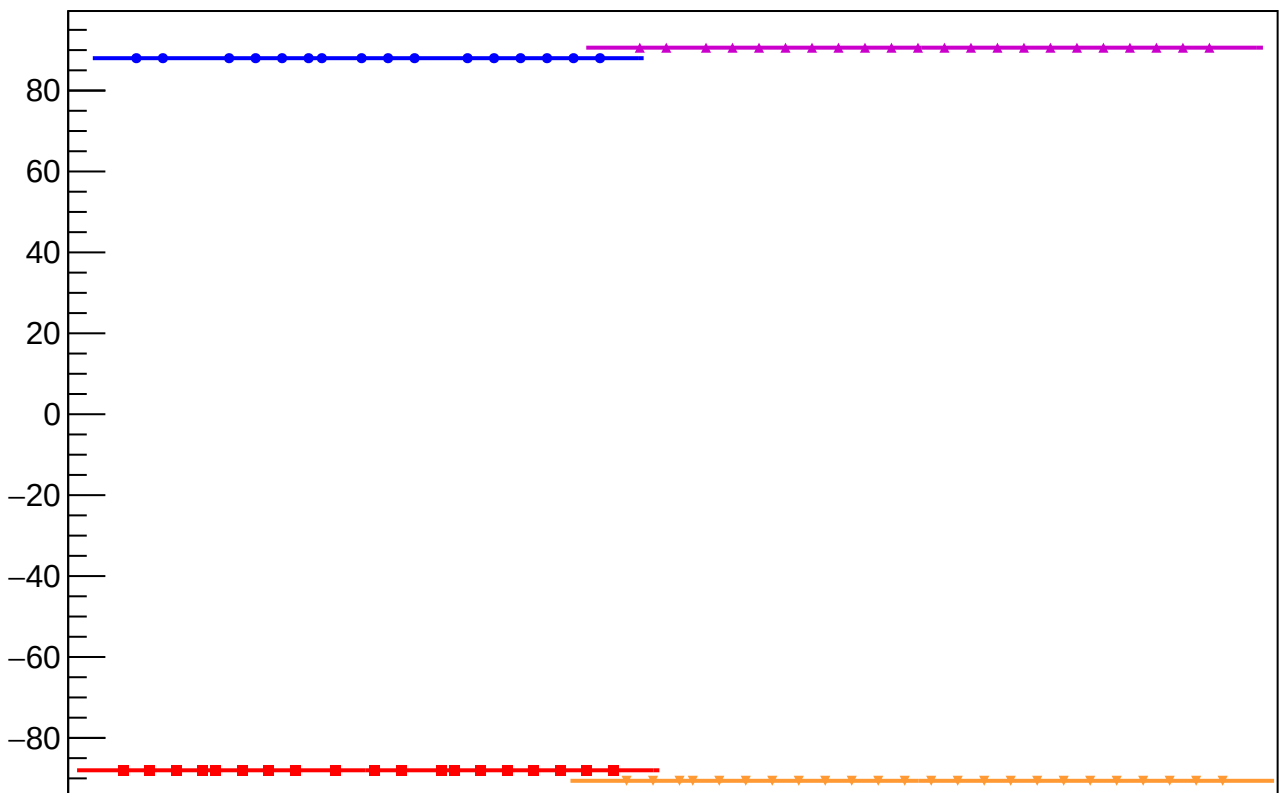
All: 13.346+/-0.000 χ^2/NDF: 3121565211794


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: 977.749+/-0.000 χ²/NDF: 19595783310723160744482245181440/15
Left Out: 977.737+/-0.000 χ²/NDF:1177706453072371651394152693760.0/23
Right Out: -977.747+/-0.000 χ²/NDF: 178222687781691472632796623672.0/18
Left In: -977.735+/-0.000 χ²/NDF:109596743287056203673152310476 8.0/21
Left: 29.338+/-0.000 χ²/NDF: 3692446167894663
Right: -14.301+/-0.000 χ²/NDF: 143750377983115
In: -423.831+/-0.000 χ²/NDF:2030908826160191
Out: 435.967+/-0.000 χ²/NDF:210931164860637
All: 17.116+/-0.000 χ²/NDF: 513201198167


hesDipole_current_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
160
170
180
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/23
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.1/21
Left: 0.000+/-0.000 χ²/NDF: 339479244131530123
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: -0.004+/-0.000 χ²/NDF:186717182124426175
Out: 0.004+/-0.000 χ²/NDF:193925270629084562
All: 0.000+/-0.000 χ²/NDF: 4718280377094


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
160
170
180
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/23
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.1/21
Left: 0.000+/-0.000 χ²/NDF: 339479244131530123
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: -0.004+/-0.000 χ²/NDF:186717182124426175
Out: 0.004+/-0.000 χ²/NDF:193925270629084562
All: 0.000+/-0.000 χ²/NDF: 4718280377094

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:4434382.8/23

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:6293519.7/21

Left: -2.718+/-0.000 χ^2/NDF: 3170445763413189

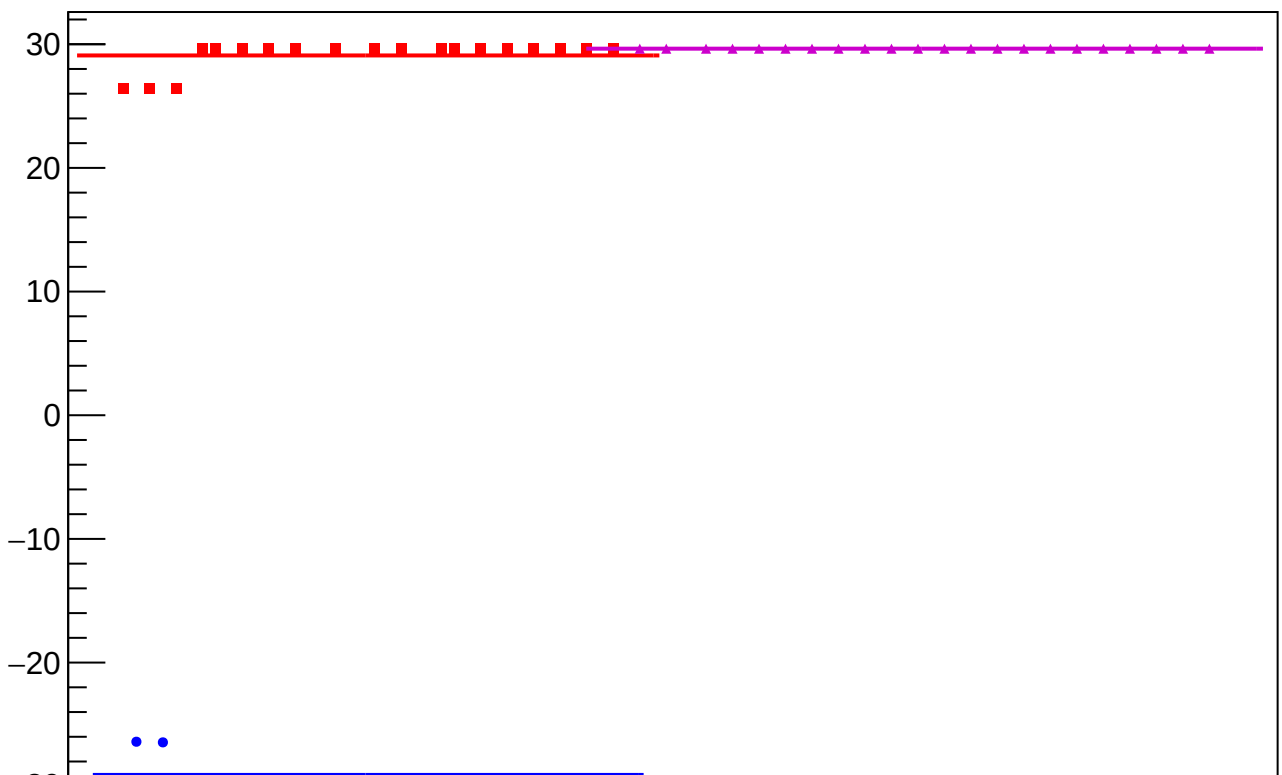
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.863+/-0.000 χ^2/NDF:358639829619815844

Out: -89.880+/-0.000 χ^2/NDF:3717175179027087

All: -2.318+/-0.000 χ^2/NDF: 4335169909411

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:279900.5/23

Right Out: 29.093+/-0.000 χ^2/NDF: 11252381567496928497978058997760000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:190109.2/21

Left: -0.889+/-0.000 χ^2/NDF: 339349861992963736

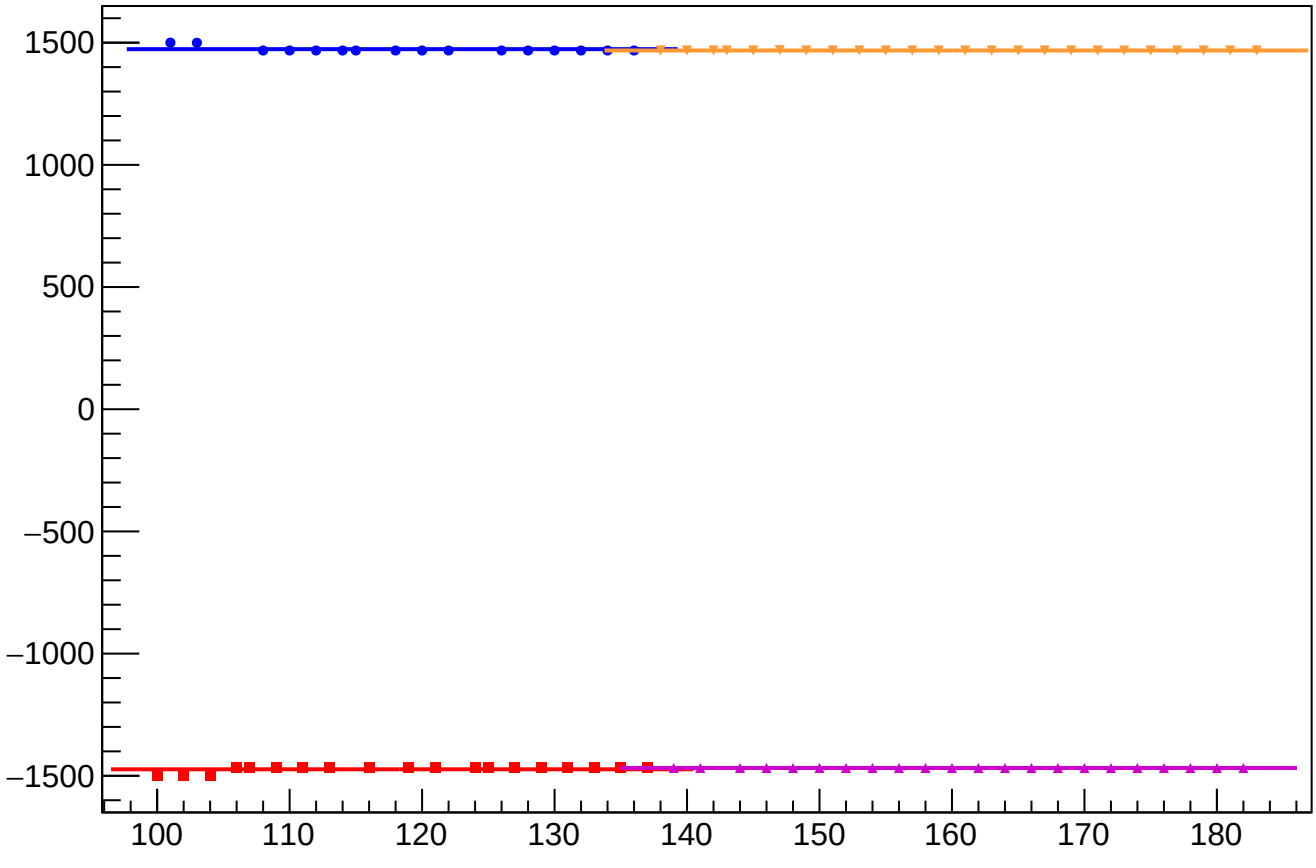
Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

In: 13.006+/-0.000 χ^2/NDF:183275115497396202

Out: -13.368+/-0.000 χ^2/NDF:19039790203317960

All: -0.520+/-0.000 χ^2/NDF: 4669982101640

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.051+/-0.000 χ^2/NDF:139486331224158694564705909866496.0/23

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

Left In: -1467.993+/-0.000 χ^2/NDF:154466986627104652268079677440.0/21

Left: 44.077+/-0.000 χ^2/NDF: 832407583799663 41

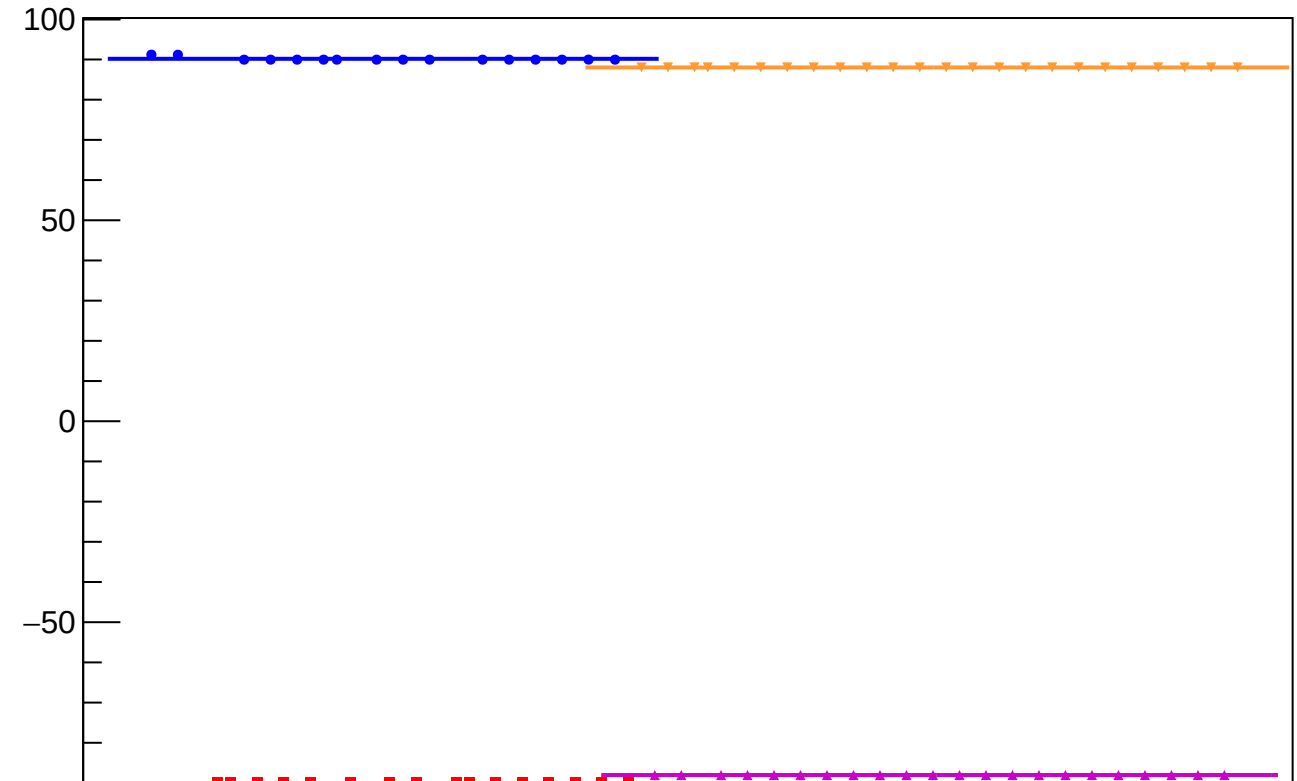
Right: -21.516+/-0.000 χ^2/NDF: 326469738591460

In: -634.804+/-0.000 χ^2/NDF:459534386070216 9

Out: 653.119+/-0.000 χ^2/NDF:47726892592642 31

All: 25.706+/-0.000 χ^2/NDF: 1159343174506

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:3935368.3/23

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: 2.641+/-0.000 χ^2/NDF: 299254259434127560

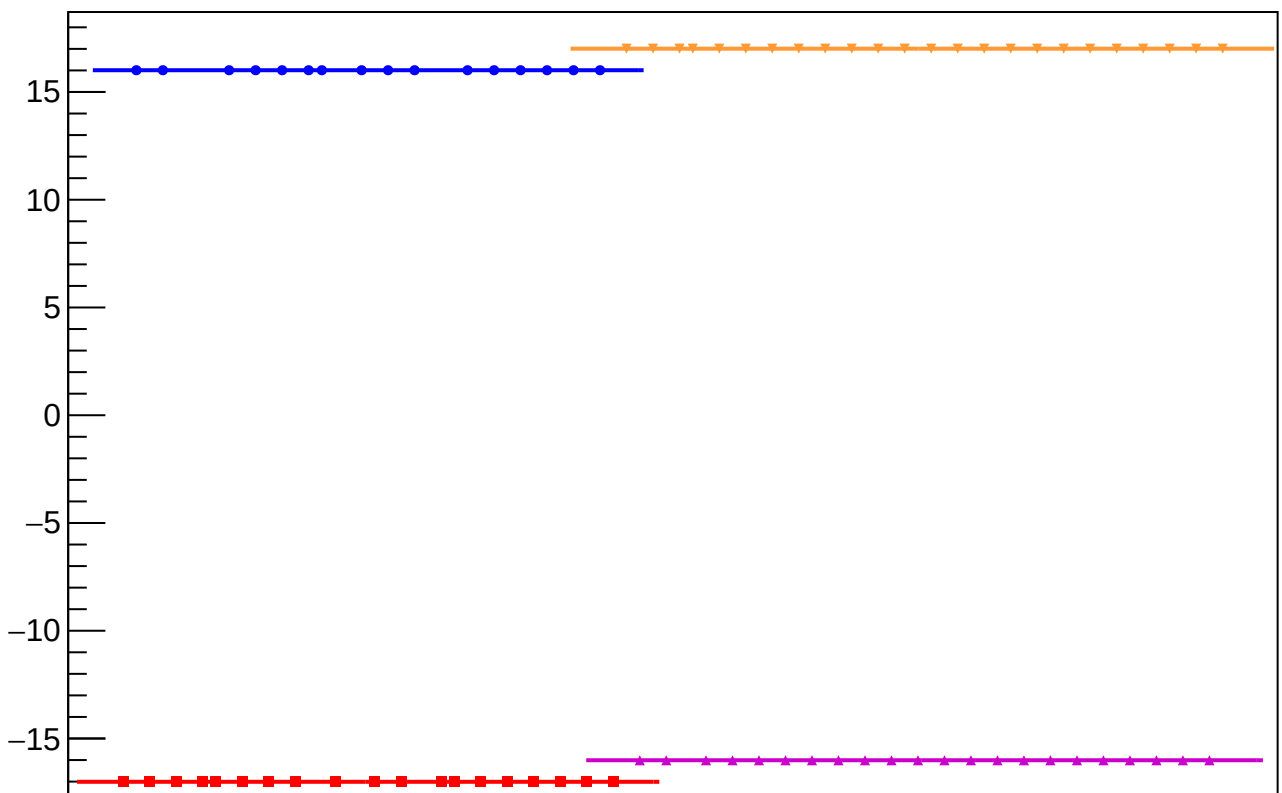
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -37.546+/-0.000 χ^2/NDF:16864341323653508

Out: 38.653+/-0.000 χ^2/NDF:1751462646747955

All: 1.532+/-0.000 χ^2/NDF: 42168794384073

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:2765780140976191289321062 4.0/23

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: 0.993+/-0.000 χ^2/NDF: 9757029150502201 98

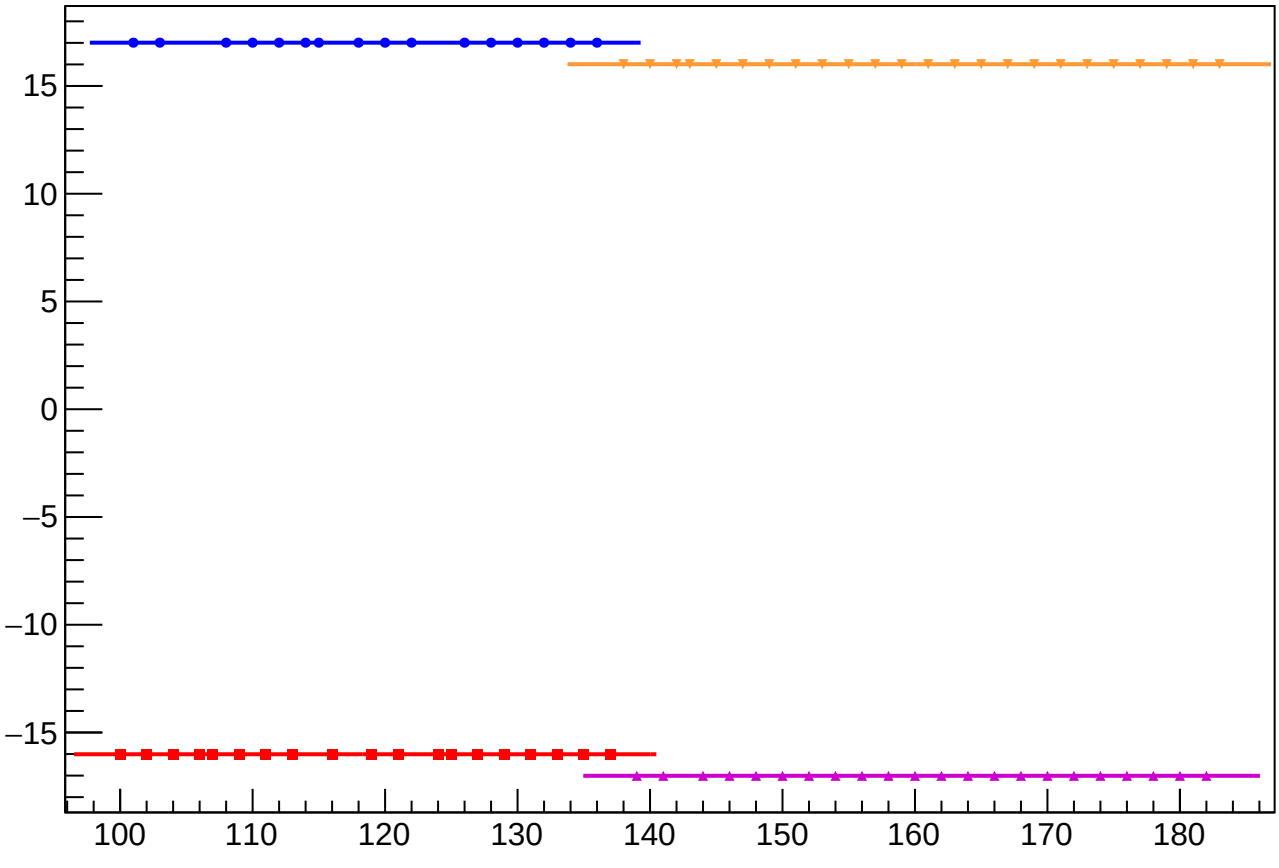
Right: -0.393+/-0.000 χ^2/NDF: 380202547729921 6

In: -6.797+/-0.000 χ^2/NDF:5126320506766446 75

Out: 7.721+/-0.000 χ^2/NDF:583001314135530469

All: 0.604+/-0.000 χ^2/NDF: 1357835427711 8

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:2817208720318504873492480.0/23

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:1109181156708516364288000.0/21

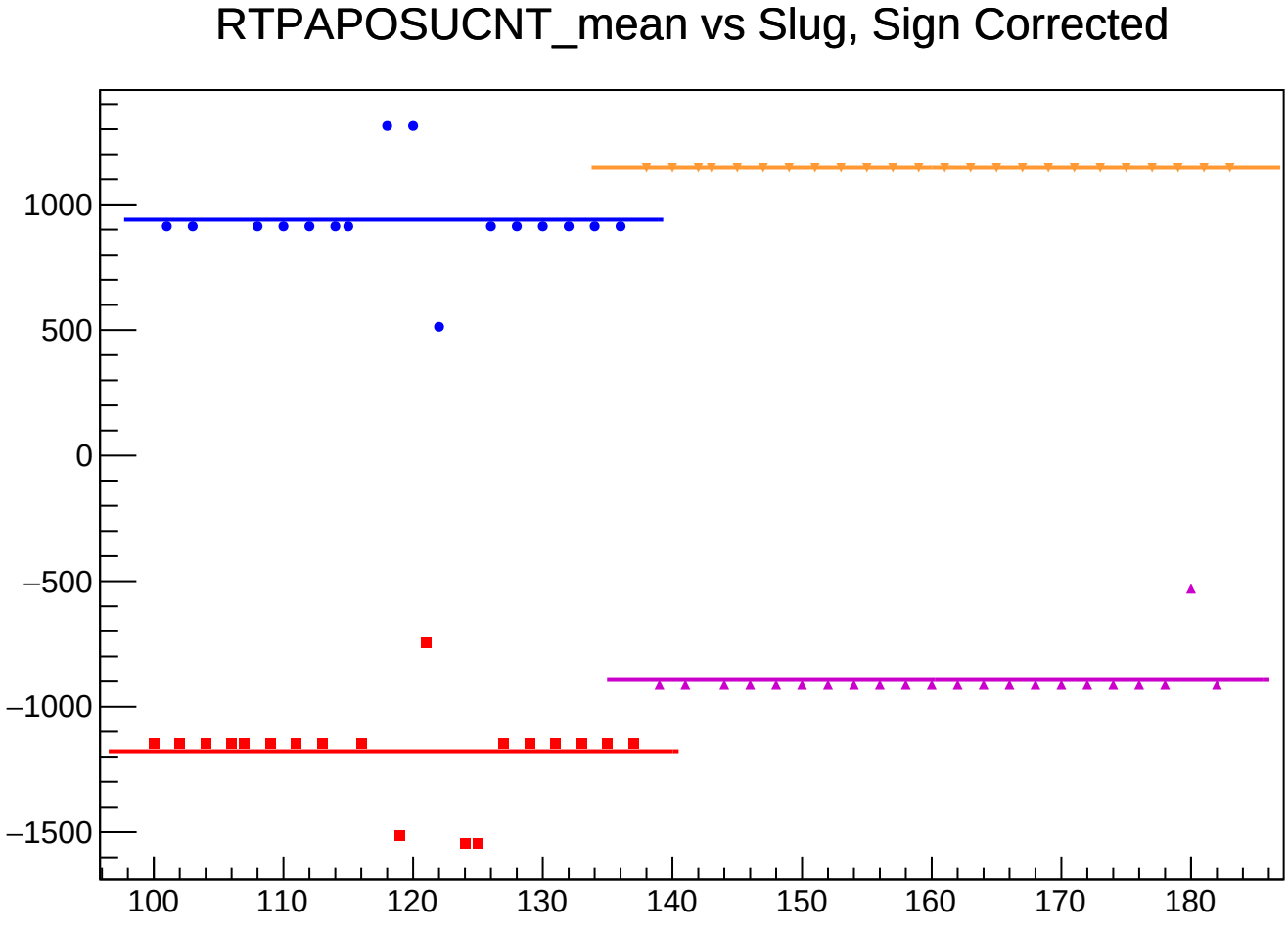
Left: 0.092+/-0.000 χ^2/NDF: 103276125256189838

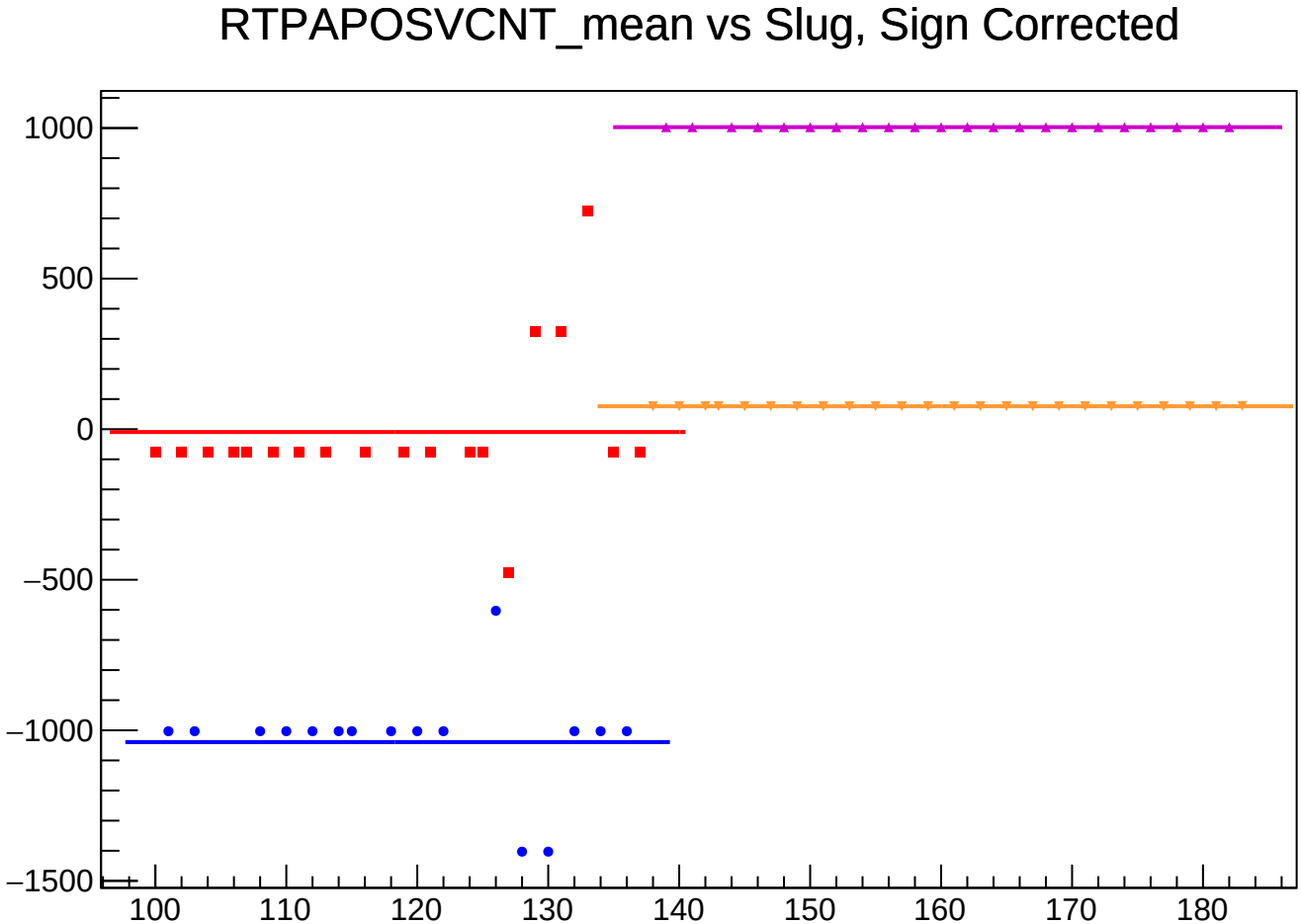
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -7.525+/-0.000 χ^2/NDF:590093090935116396

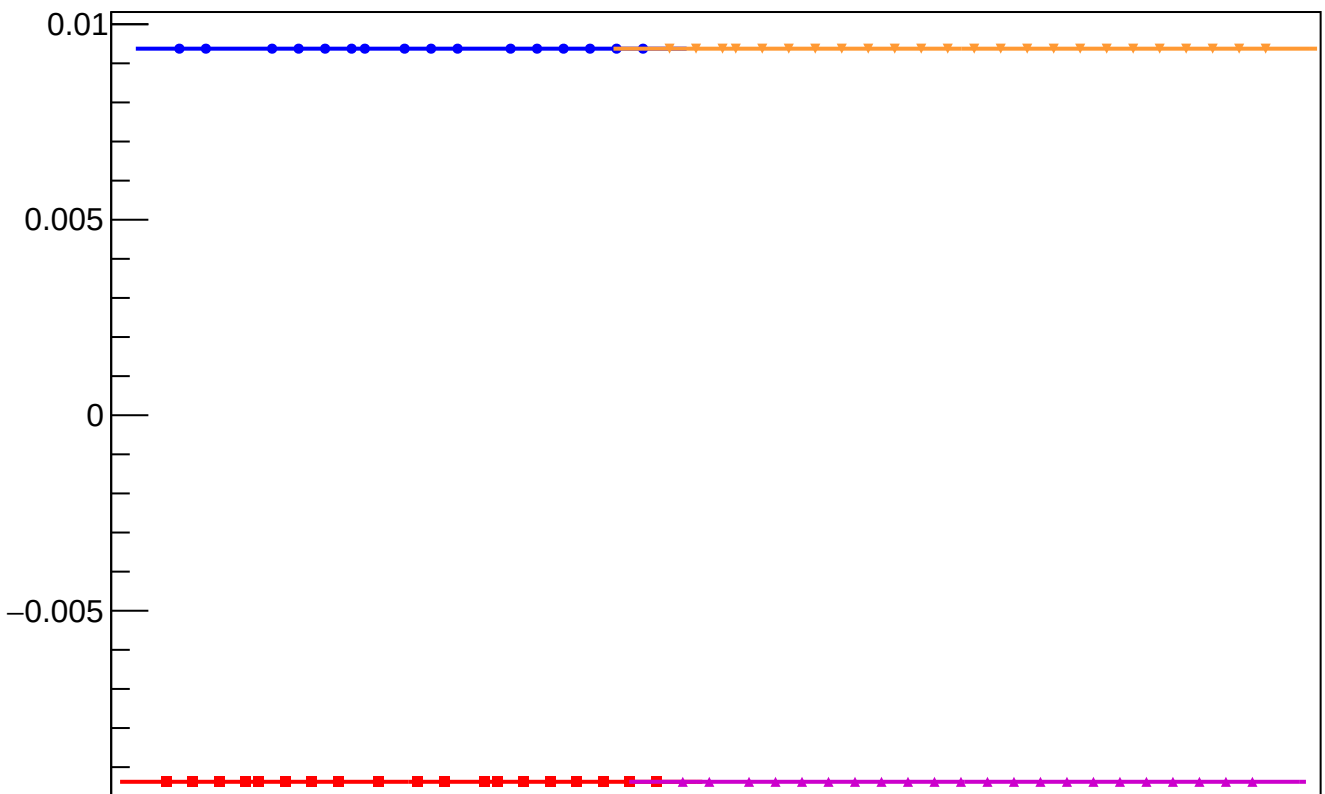
Out: 7.088+/-0.000 χ^2/NDF:561313849814853716

All: 0.042+/-0.000 χ^2/NDF: 1431863970591


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
Right In: 939.446+/-0.000 χ²/NDF: 21082933856092788763552768673189986304.0/15
Left Out: 1146.020+/-0.000 χ²/NDF:37030061775351332192195643965440.0/23
Right Out: -1178.513+/-0.000 χ²/NDF: 22140259958123277565481106114837741568.0/18
Left In: -893.795+/-0.000 χ²/NDF:13095996920853270590180839637555085312.0/21
Left: 156.715+/-0.000 χ²/NDF: 4030931658399291
Right: -135.024+/-0.000 χ²/NDF: 17295046801044
In: -374.517+/-0.000 χ²/NDF:1819107212922260
Out: 502.005+/-0.000 χ²/NDF:3002737947322137
All: 75.006+/-0.000 χ²/NDF: 5852592549192


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
Left: 525.615+/-0.000 χ²/NDF: 8296802360259981
Right In: -1039.157+/-0.000 χ²/NDF: 228703773085071640027081015550845911040/15
Right: -516.762+/-0.000 χ²/NDF: 46752928412988
Left Out: 76.053+/-0.000 χ²/NDF:8131989522239803201483005178675 2.0/23
In: 424.538+/-0.000 χ²/NDF:2237777430828863
Right Out: -9.430+/-0.000 χ²/NDF: 460573947349287664748937365260515 40992.0/18
Out: 52.370+/-0.000 χ²/NDF:5008828565812790
Left In: 1002.990+/-0.000 χ²/NDF:2931943856293033313109540864.0/21
All: 233.672+/-0.000 χ²/NDF: 247369102259

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:0.0/23

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: 339479244131530123

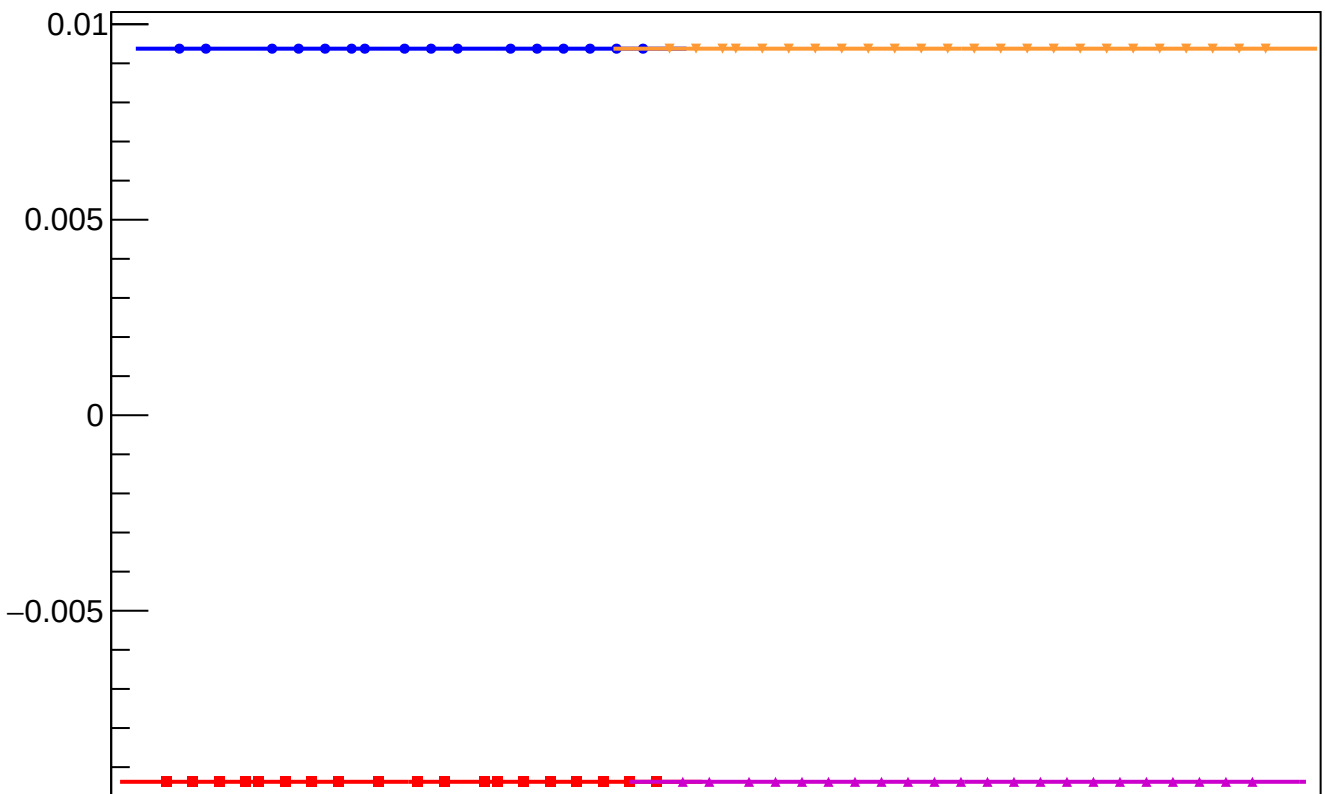
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:186717182124426175

Out: 0.004+/-0.000 χ^2/NDF:193925270629084562

All: 0.000+/-0.000 χ^2/NDF: 4718280377094

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:0.0/23

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: 339479244131530123

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:193925270629084562

All: 0.000+/-0.000 χ^2/NDF: 4718280377094