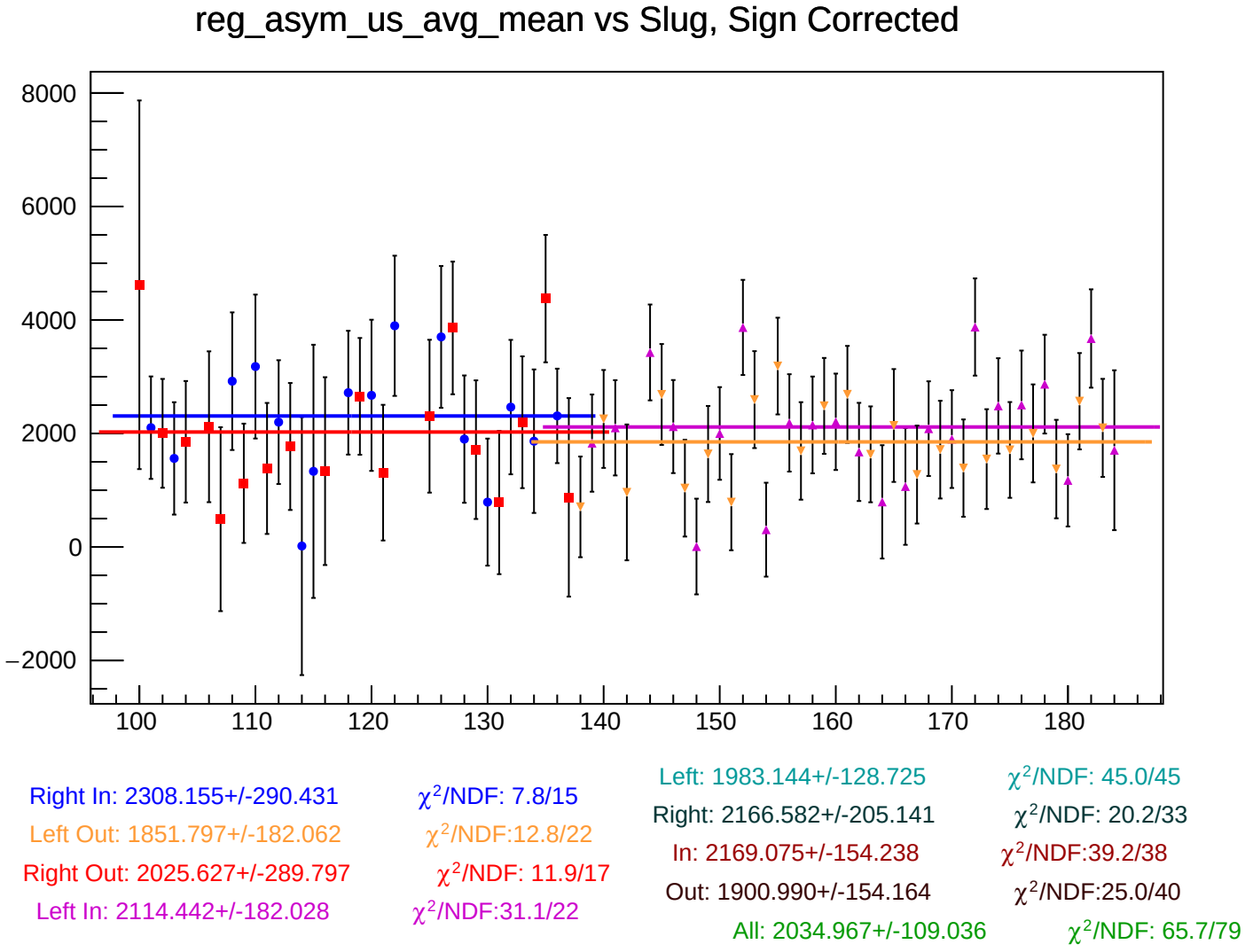
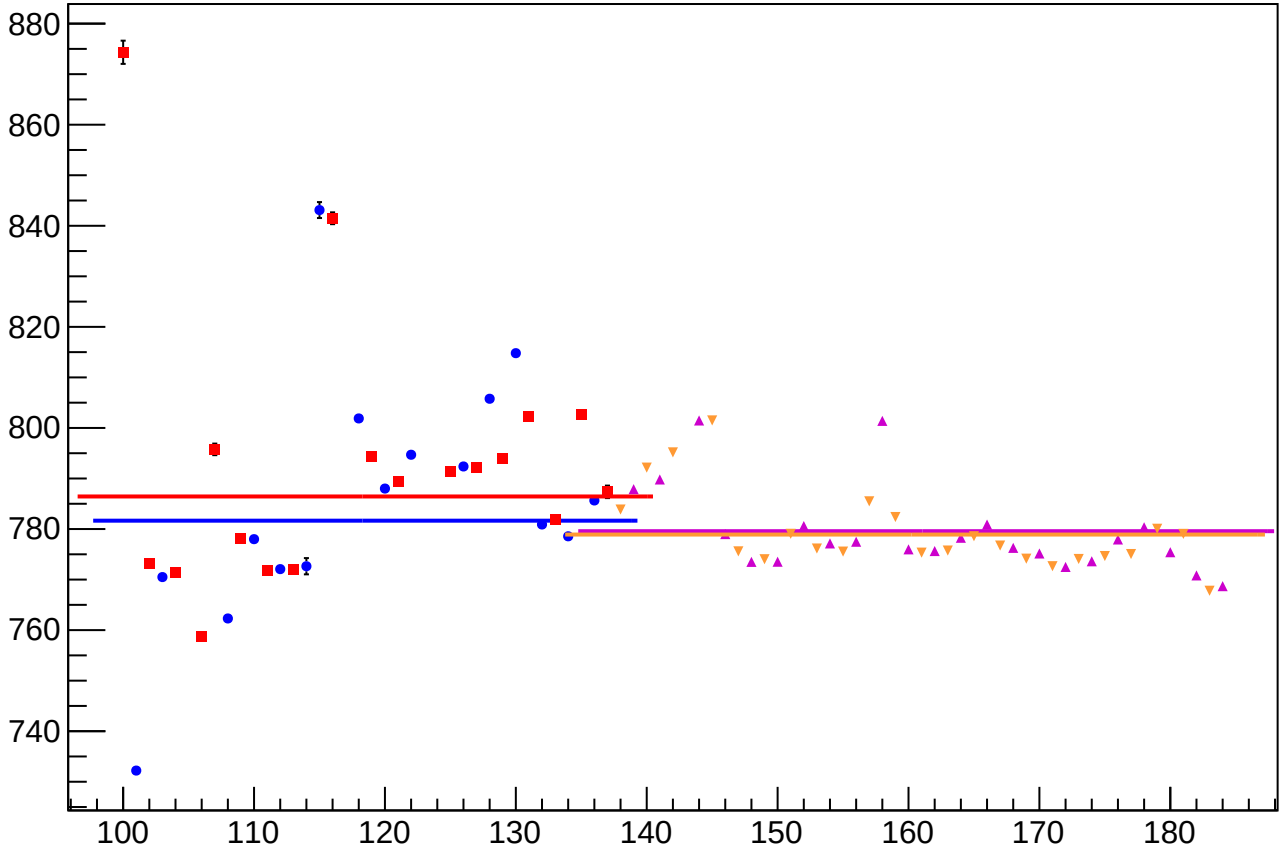

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1851.797+/-182.062
χ²/NDF:12.8/22
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1983.144+/-128.725
χ²/NDF: 45.0/45
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2169.075+/-154.238
χ²/NDF:39.2/38
Out: 1900.990+/-154.164
χ²/NDF:25.0/40
All: 2034.967+/-109.036
χ²/NDF: 65.7/79

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: 779.575+/-0.129 χ^2/NDF:4172.9/22

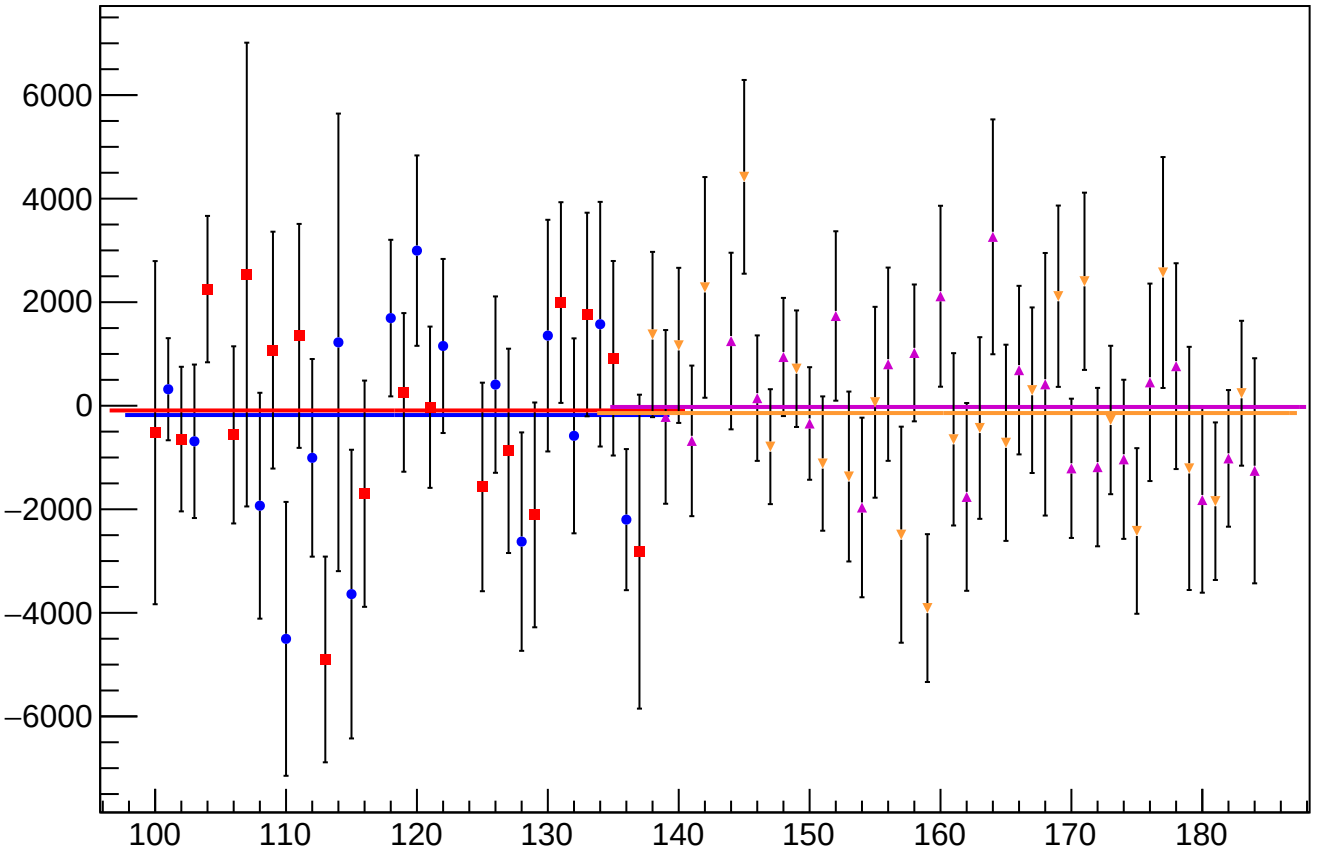
Left: 779.242+/-0.091 χ^2/NDF: 7408.4/45

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

In: 780.161+/-0.109 χ^2/NDF:16565.6/38

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

All: 780.601+/-0.077 χ^2/NDF: 27991.1/79



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: -23.750+/-325.809 χ^2/NDF:13.5/22

Left: -81.712+/-232.045 χ^2/NDF: 41.9/45

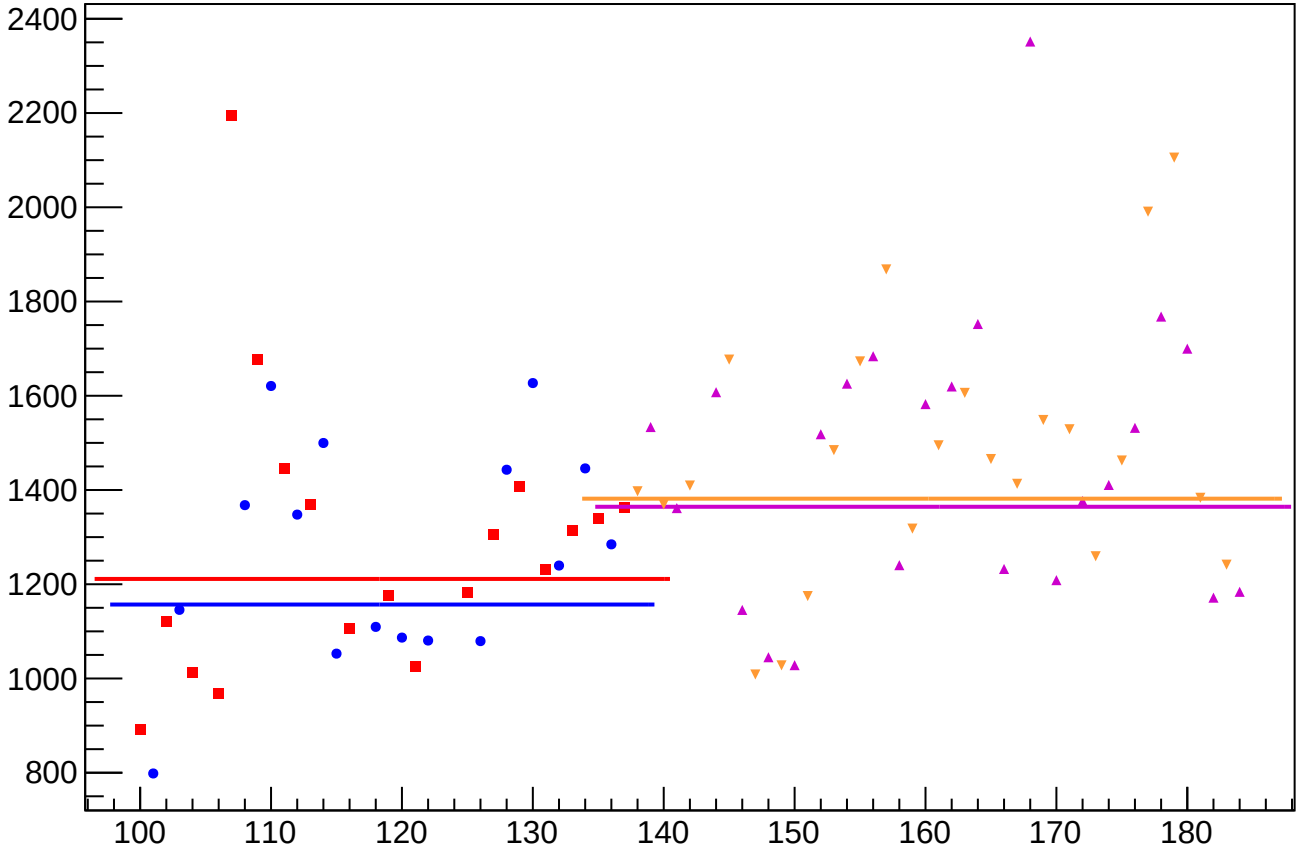
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -78.933+/-262.002 χ^2/NDF:28.9/38

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

All: -101.038+/-187.142 χ^2/NDF: 72.6/79

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: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

Left: 1372.888+/-0.164 χ^2/NDF: 2468982.5/45

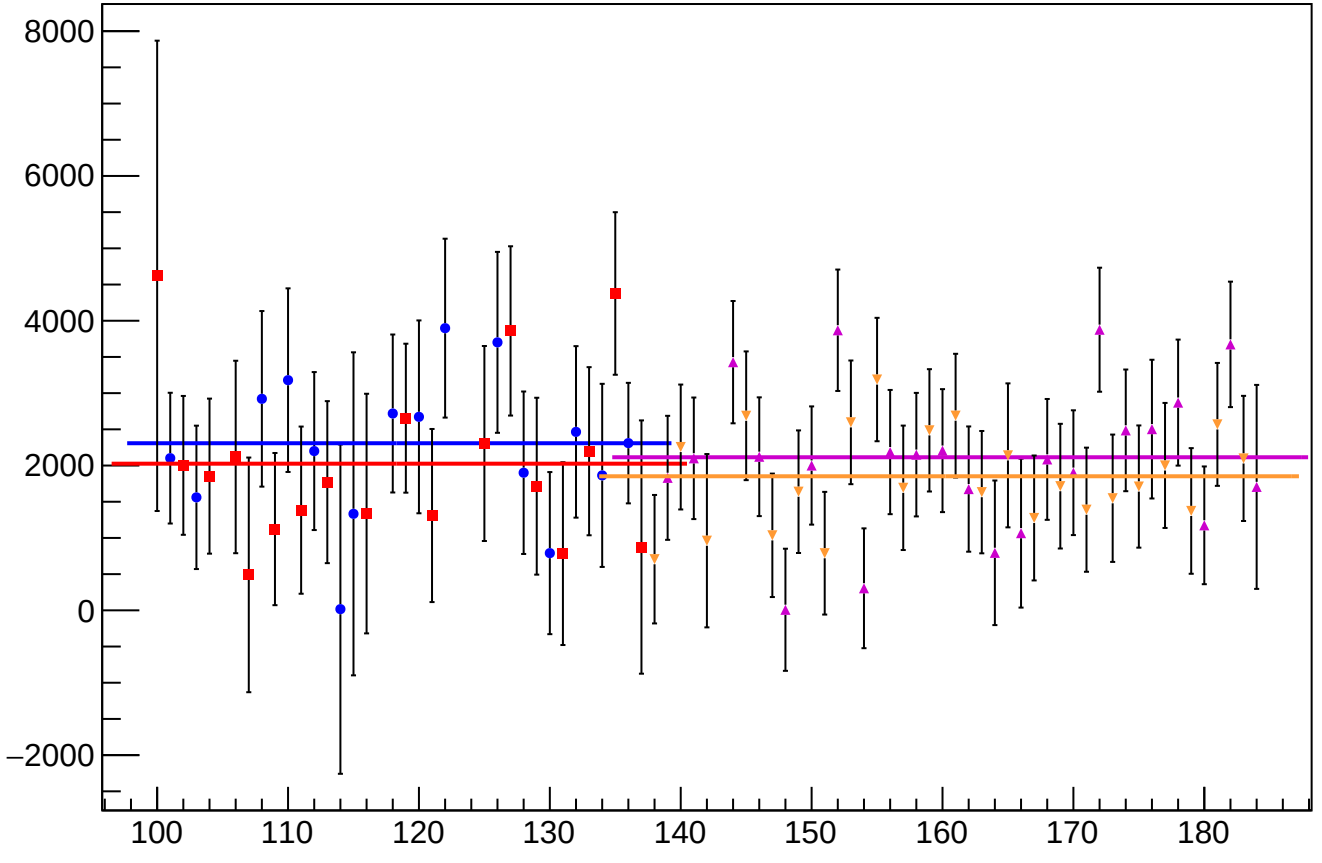
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1291.109+/-0.185 χ^2/NDF:2167949.1/38

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

All: 1306.597+/-0.132 χ^2/NDF: 3917458.1/79

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: 2114.442+/-182.028 χ^2/NDF:31.1/22

Left: 1983.144+/-128.725 χ^2/NDF: 45.0/45

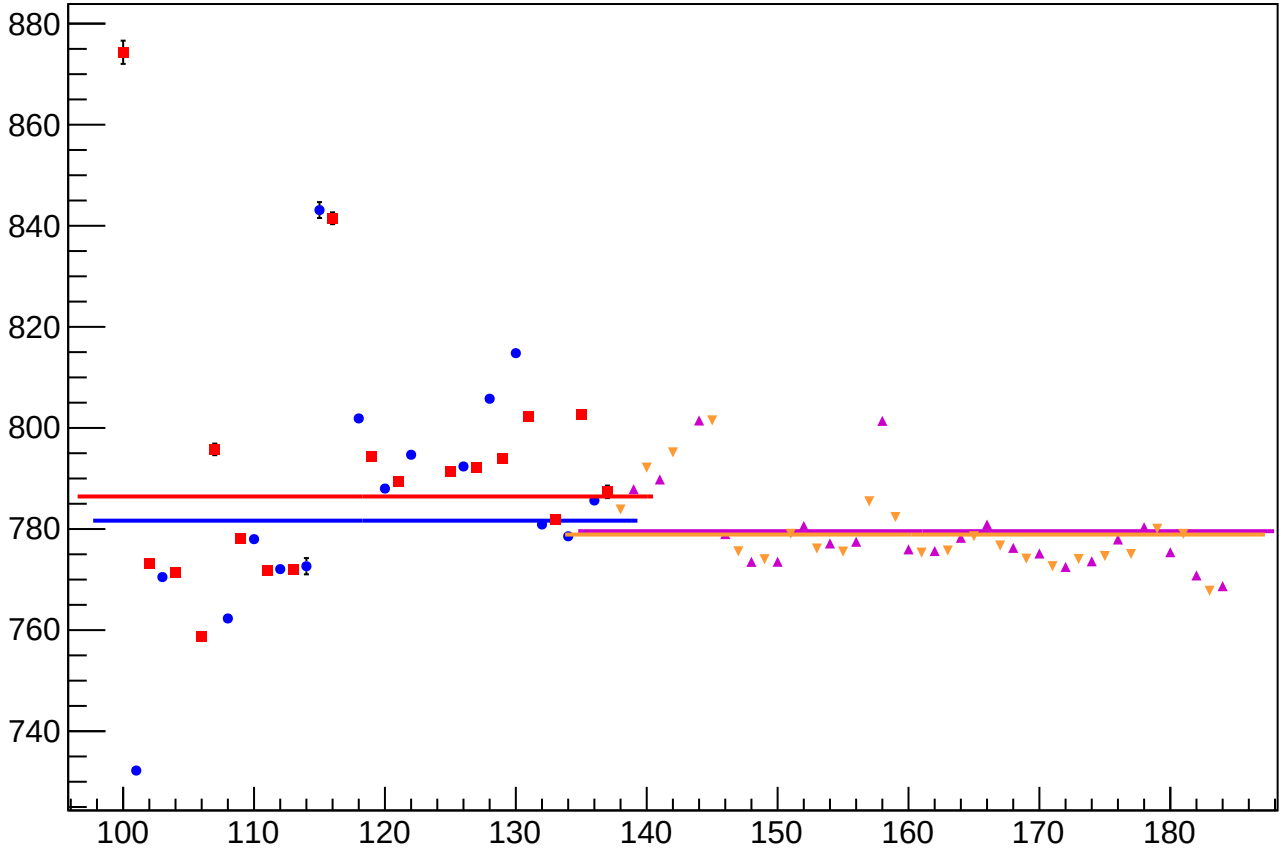
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2169.075+/-154.238 χ^2/NDF:39.2/38

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

All: 2034.967+/-109.036 χ^2/NDF: 65.7/79

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: 779.575+/-0.129 χ^2/NDF:4172.9/22

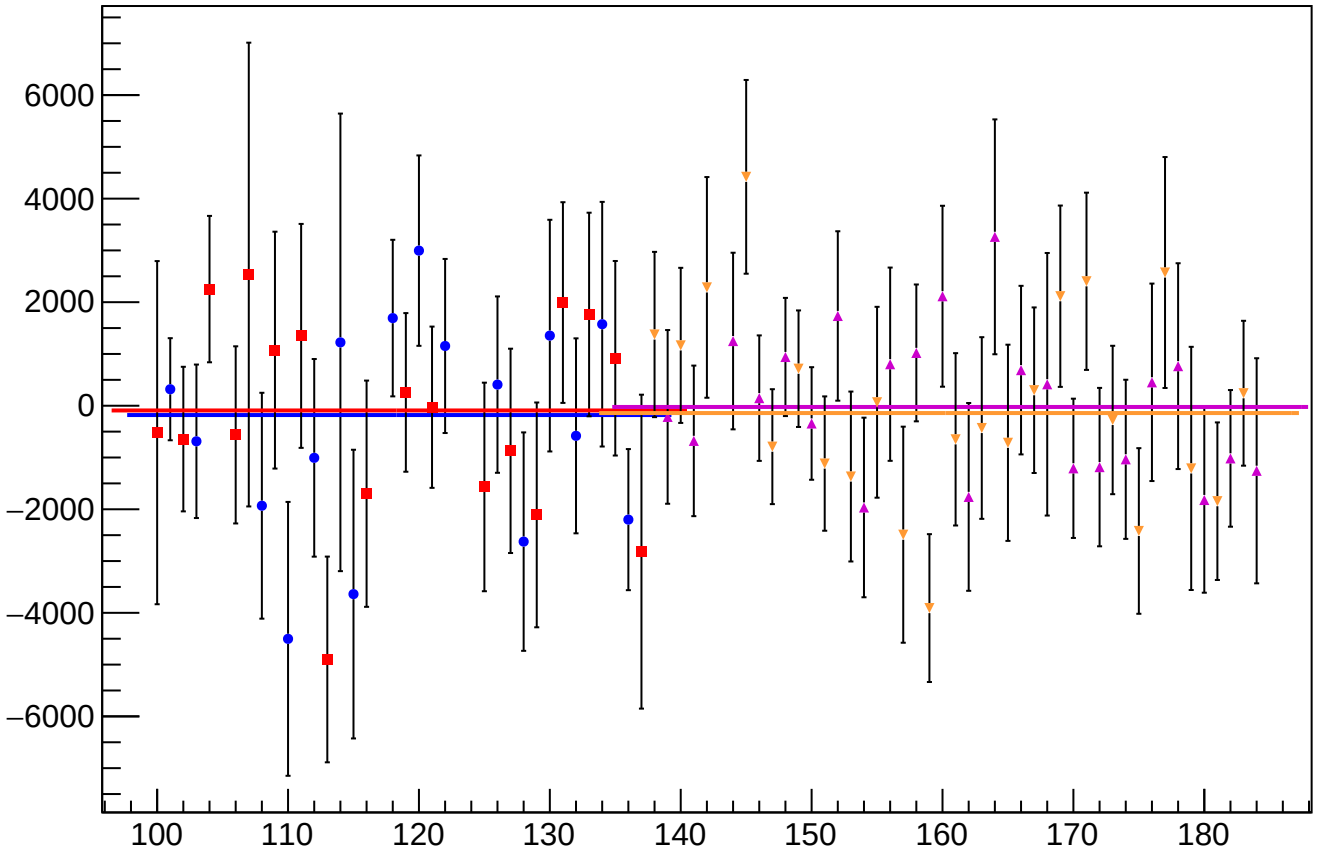
Left: 779.242+/-0.091 χ^2/NDF: 7408.4/45

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

In: 780.161+/-0.109 χ^2/NDF:16565.6/38

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

All: 780.601+/-0.077 χ^2/NDF: 27991.1/79



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: -23.750+/-325.809 χ^2/NDF:13.5/22

Left: -81.712+/-232.045 χ^2/NDF: 41.9/45

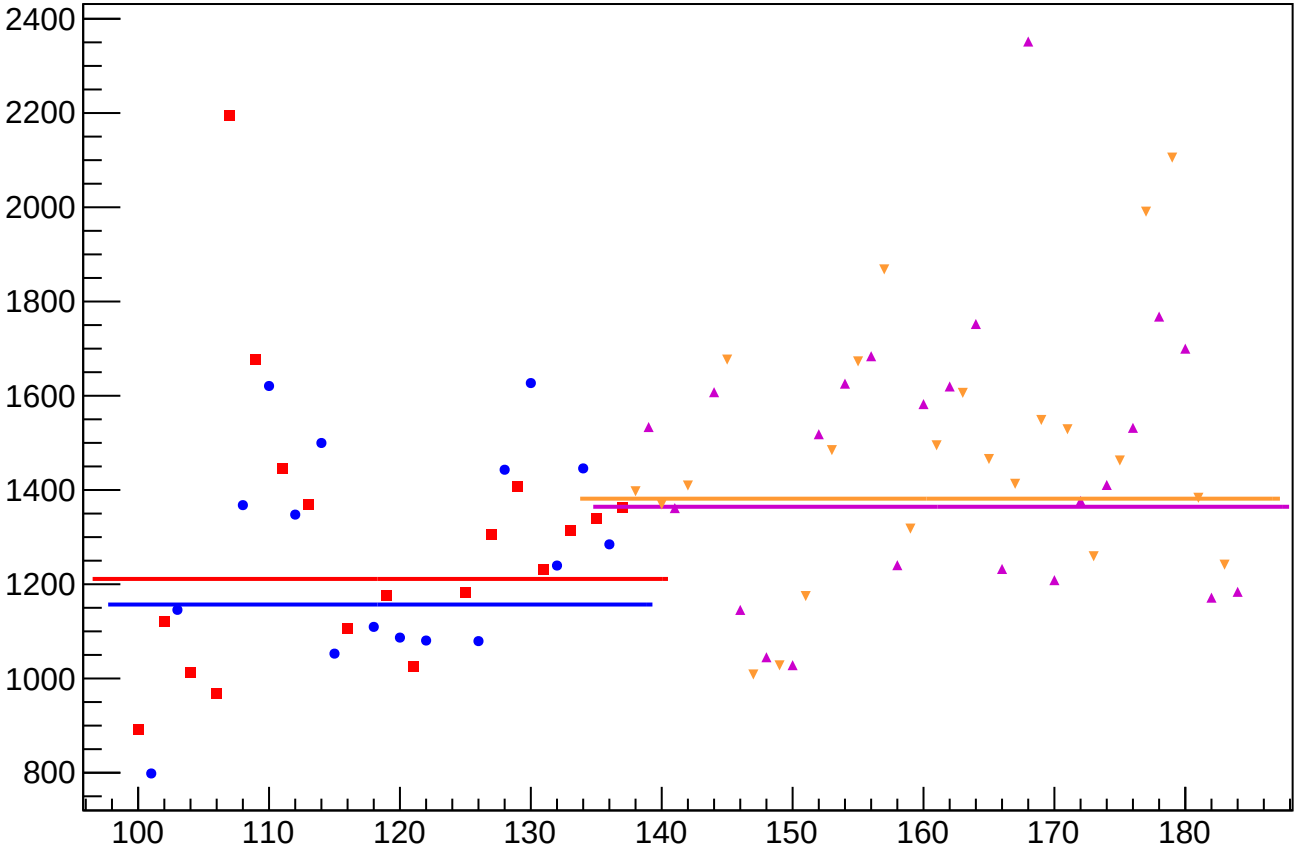
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -78.933+/-262.002 χ^2/NDF:28.9/38

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

All: -101.038+/-187.142 χ^2/NDF: 72.6/79

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: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

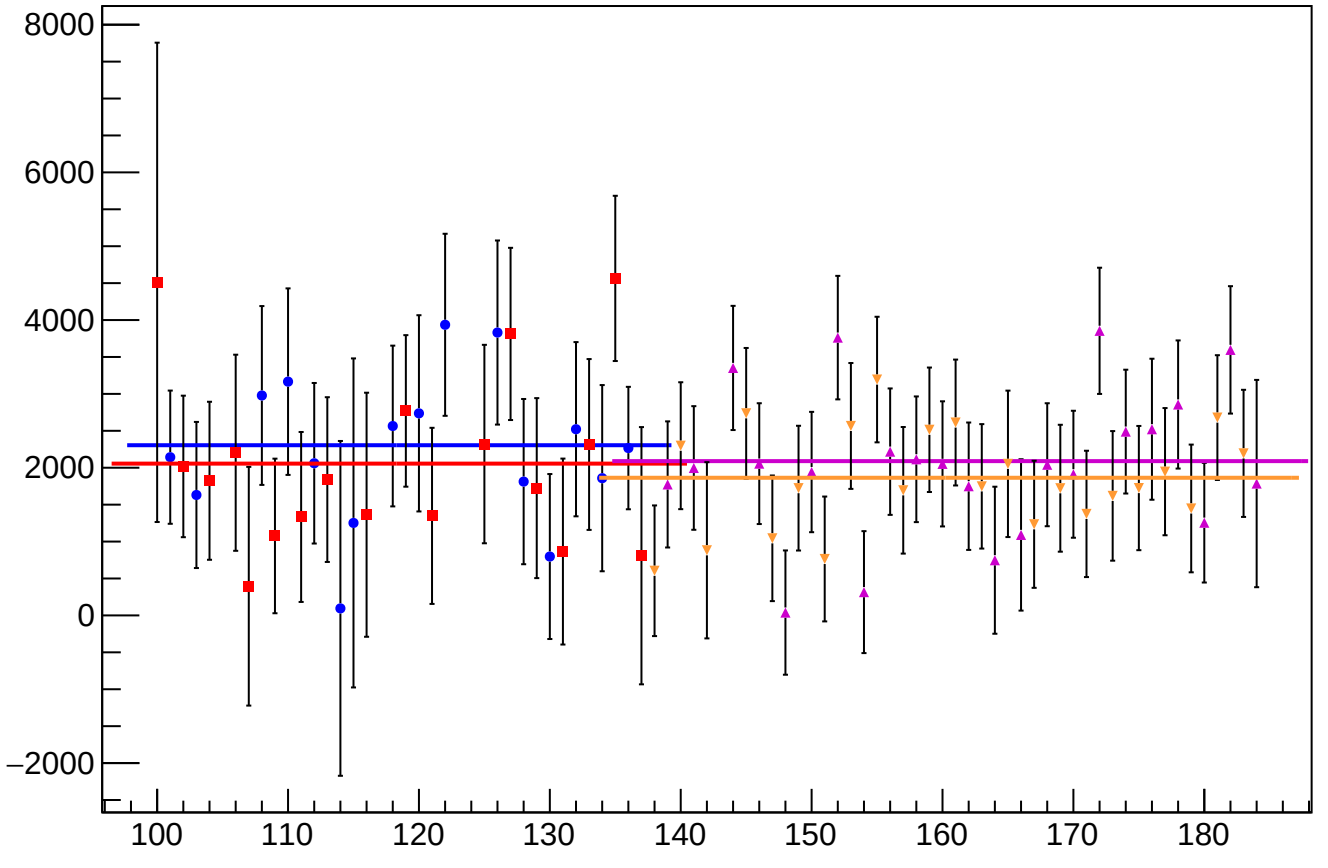
Left: 1372.888+/-0.164 χ^2/NDF: 2468982.5/45

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

In: 1291.109+/-0.185 χ^2/NDF:2167949.1/38

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

All: 1306.597+/-0.132 χ^2/NDF: 3917458.1/79



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: 2089.493+/-181.523 χ^2/NDF:29.6/22

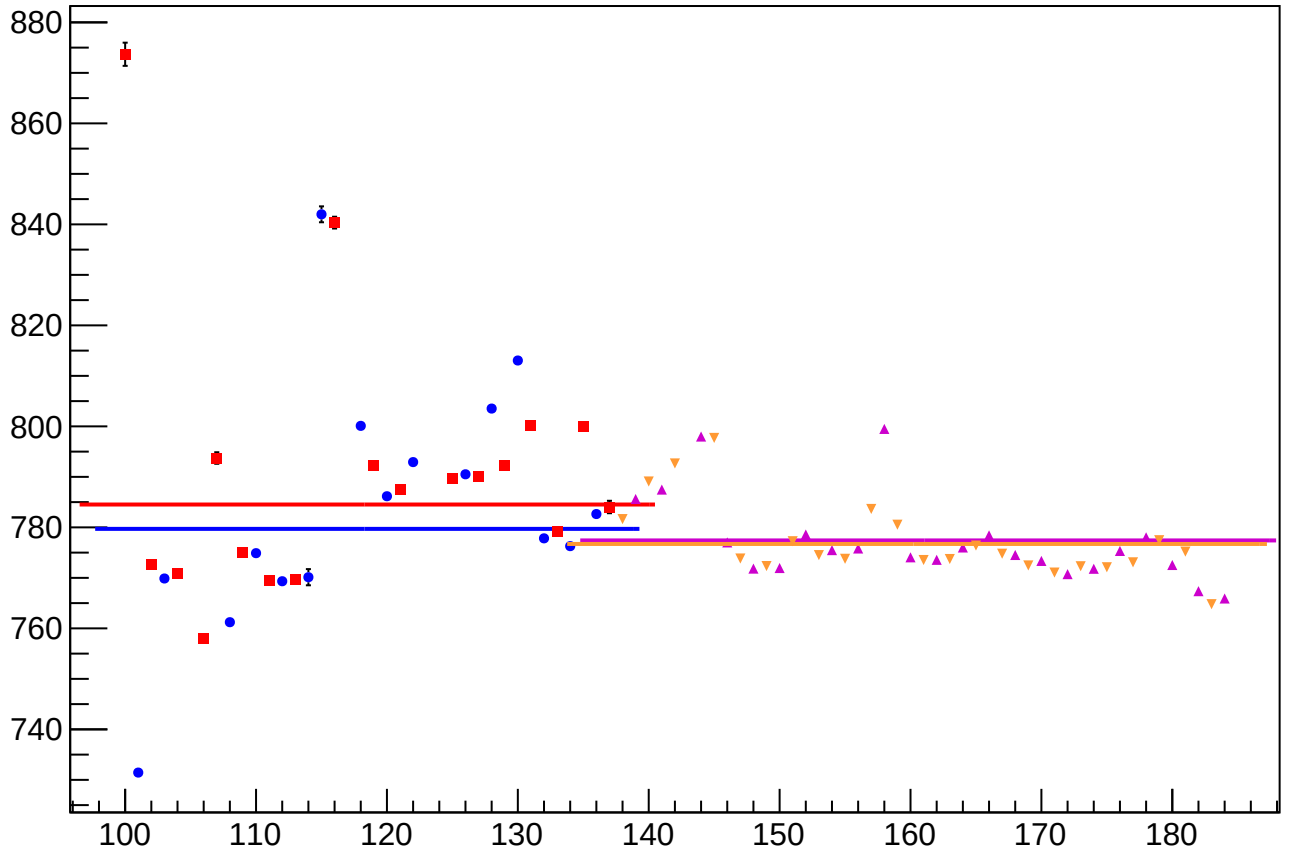
Left: 1976.785+/-128.365 χ^2/NDF: 43.9/45

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

In: 2150.207+/-153.821 χ^2/NDF:38.1/38

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

All: 2034.167+/-108.741 χ^2/NDF: 65.9/79



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: 777.413+/-0.128 χ^2/NDF:4062.1/22

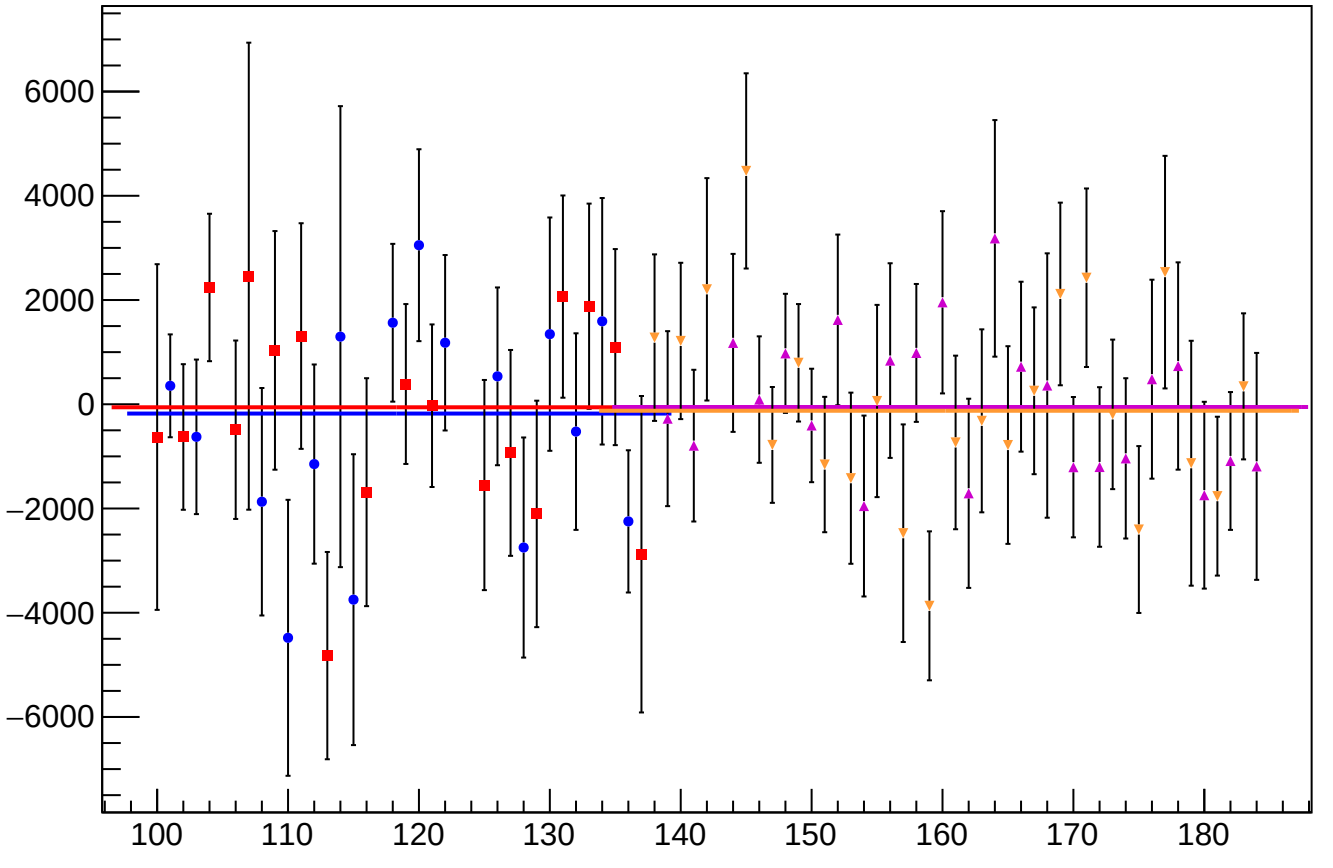
Left: 777.063+/-0.091 χ^2/NDF: 7060.8/45

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

In: 778.058+/-0.109 χ^2/NDF:16212.1/38

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

All: 778.491+/-0.077 χ^2/NDF: 27434.6/79



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: -52.820+/-326.124 χ^2/NDF:13.0/22

Left: -88.191+/-232.270 χ^2/NDF: 41.3/45

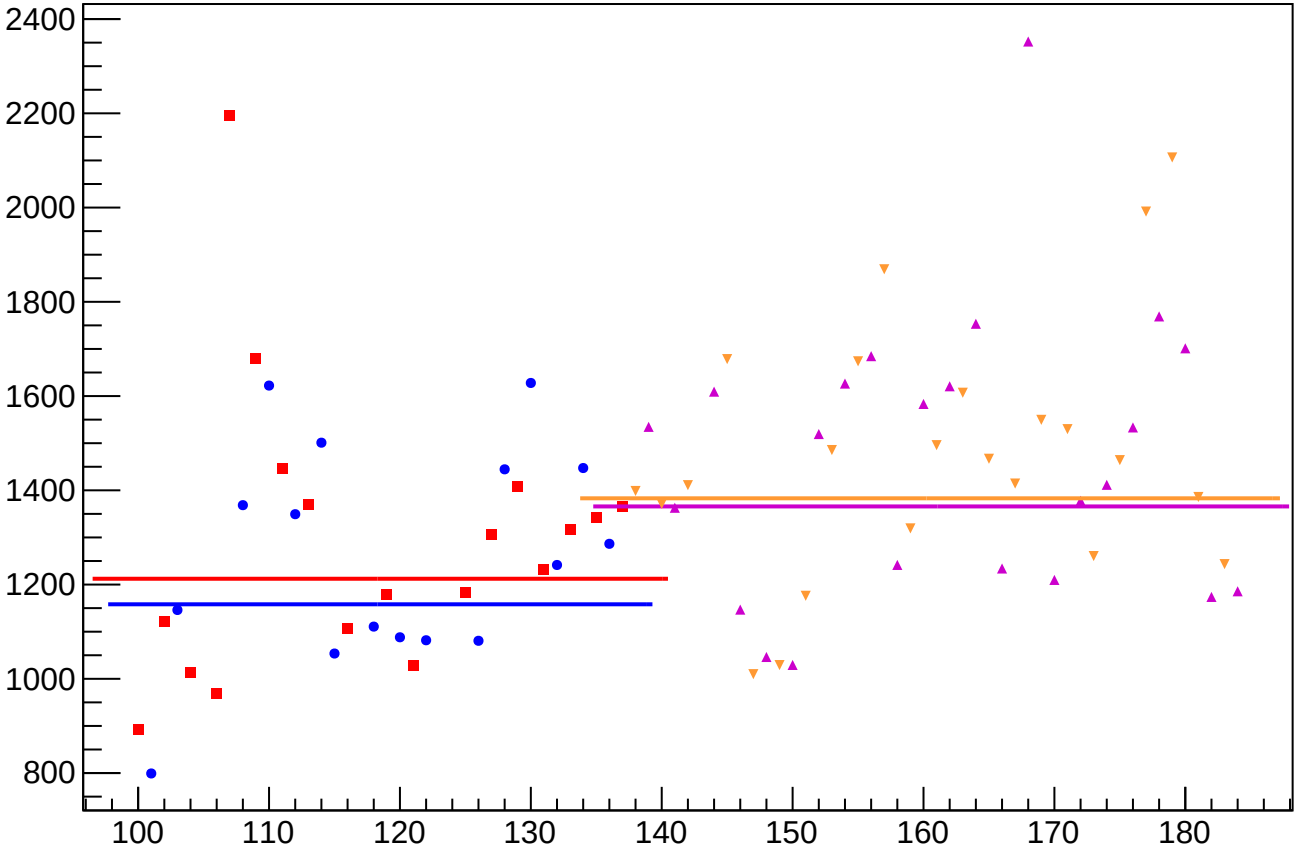
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: -97.209+/-262.259 χ^2/NDF:28.7/38

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

All: -99.355+/-187.322 χ^2/NDF: 72.3/79

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: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

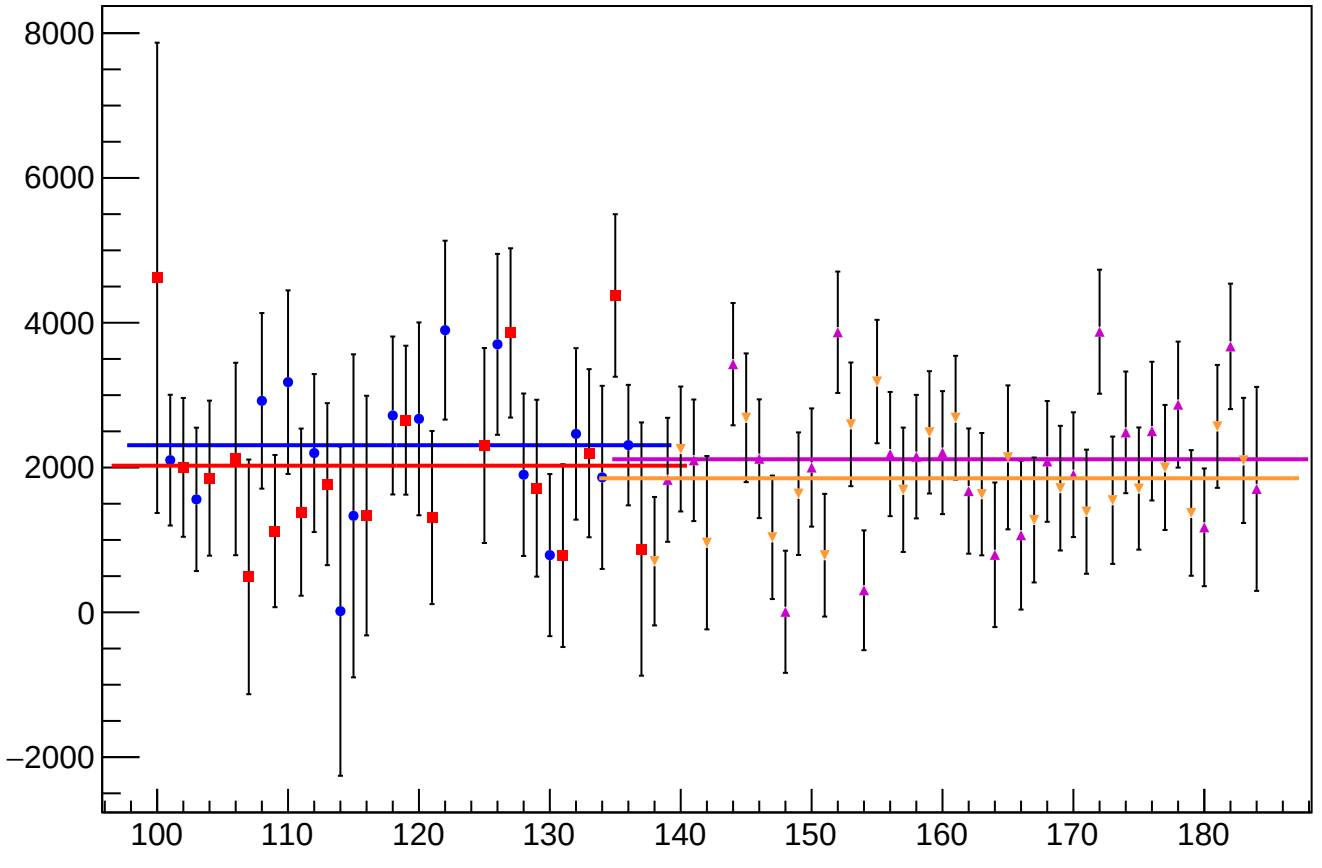
Left: 1374.300+/-0.164 χ^2/NDF: 2462488.6/45

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

In: 1292.437+/-0.185 χ^2/NDF:2164556.8/38

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

All: 1307.912+/-0.132 χ^2/NDF: 3911578.7/79



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: 2114.442+/-182.028 χ^2/NDF:31.1/22

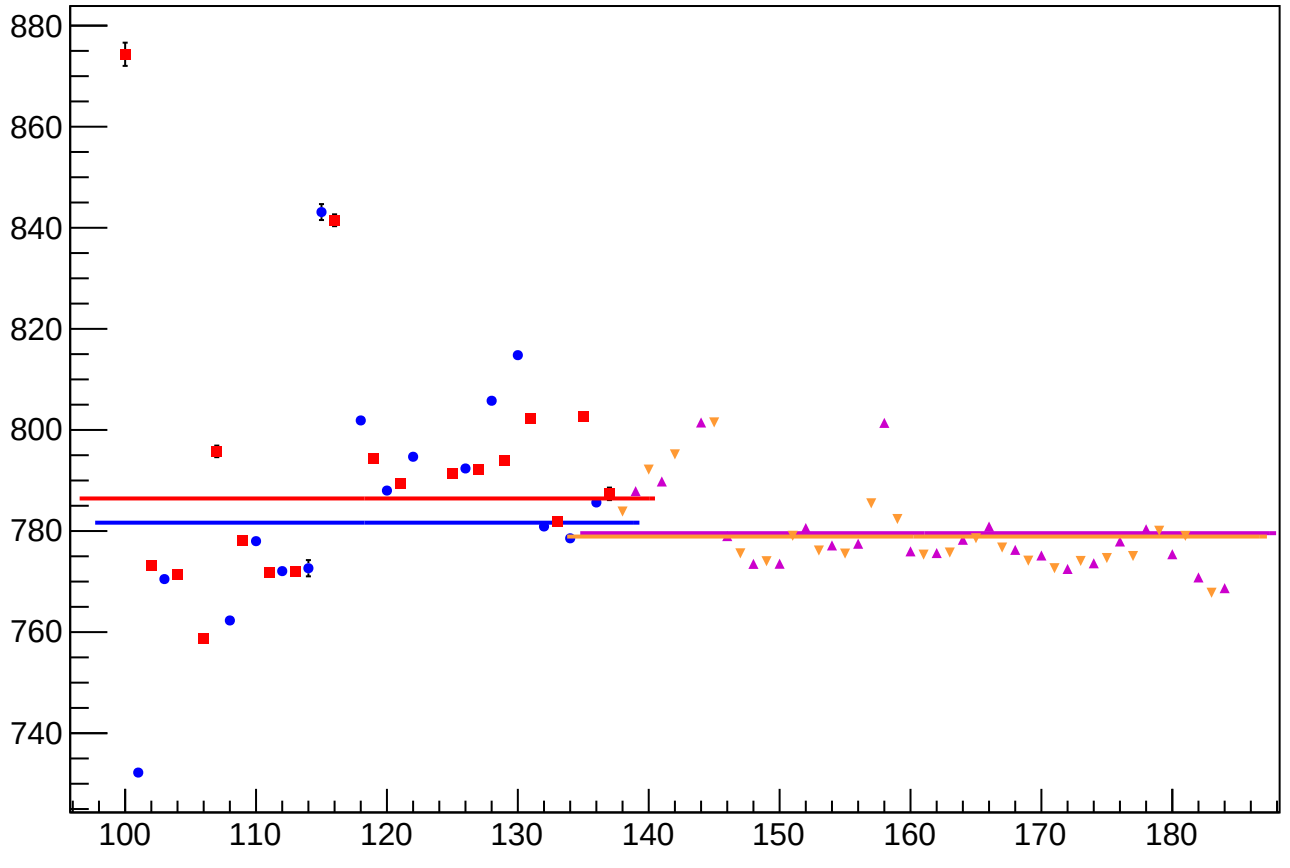
Left: 1983.144+/-128.725 χ^2/NDF: 45.0/45

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

In: 2169.075+/-154.238 χ^2/NDF:39.2/38

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

All: 2034.967+/-109.036 χ^2/NDF: 65.7/79



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: 779.575+/-0.129 χ^2/NDF:4172.9/22

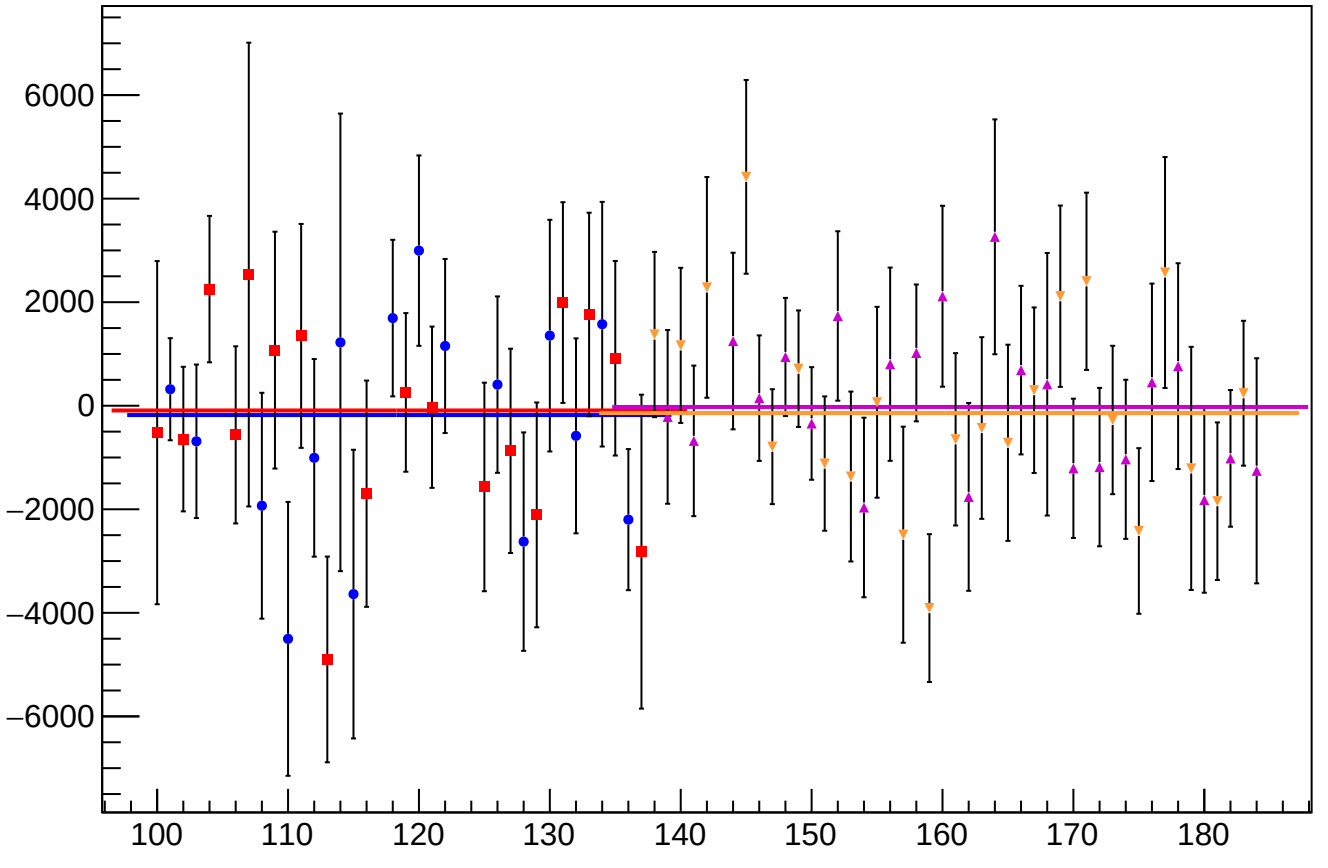
Left: 779.242+/-0.091 χ^2/NDF: 7408.4/45

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

In: 780.161+/-0.109 χ^2/NDF:16565.6/38

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

All: 780.601+/-0.077 χ^2/NDF: 27991.1/79



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: -23.750+/-325.809 χ^2/NDF:13.5/22

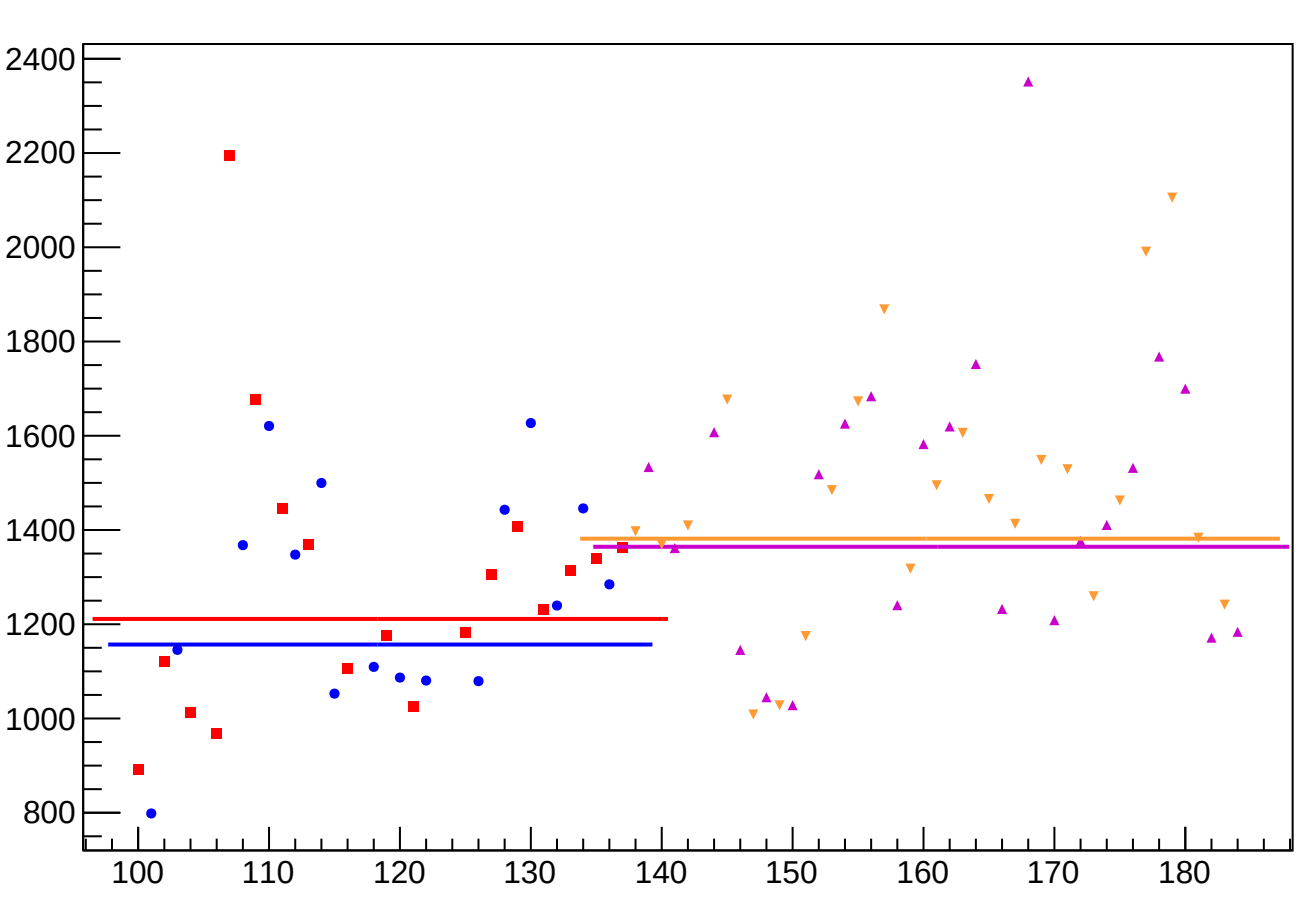
Left: -81.712+/-232.045 χ^2/NDF: 41.9/45

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

In: -78.933+/-262.002 χ^2/NDF:28.9/38

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

All: -101.038+/-187.142 χ^2/NDF: 72.6/79



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: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

Left: 1372.888+/-0.164 χ^2/NDF: 2468982.5/45

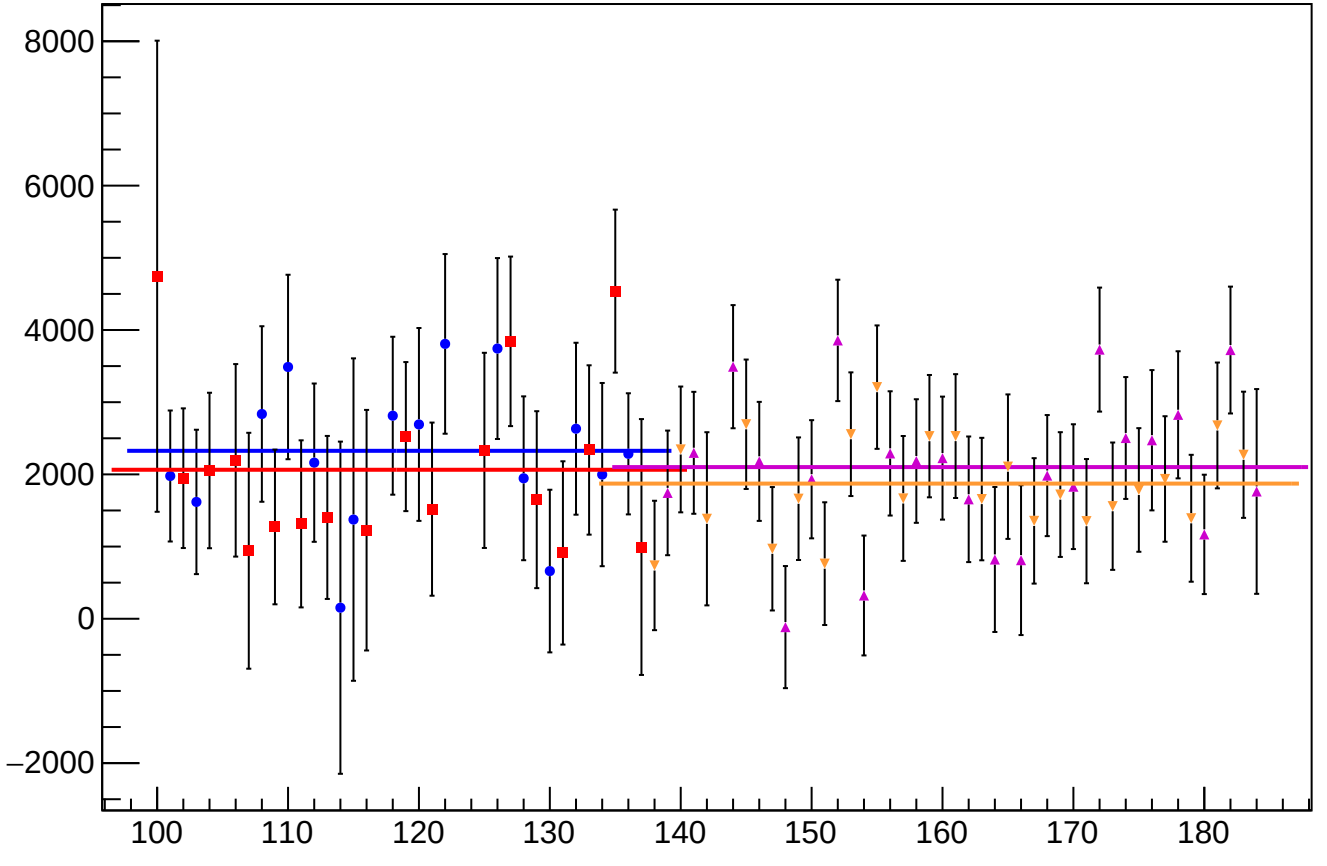
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1291.109+/-0.185 χ^2/NDF:2167949.1/38

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

All: 1306.597+/-0.132 χ^2/NDF: 3917458.1/79

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: 2101.047+/-183.179 χ^2/NDF:31.8/22

Left: 1986.777+/-129.578 χ^2/NDF: 45.0/45

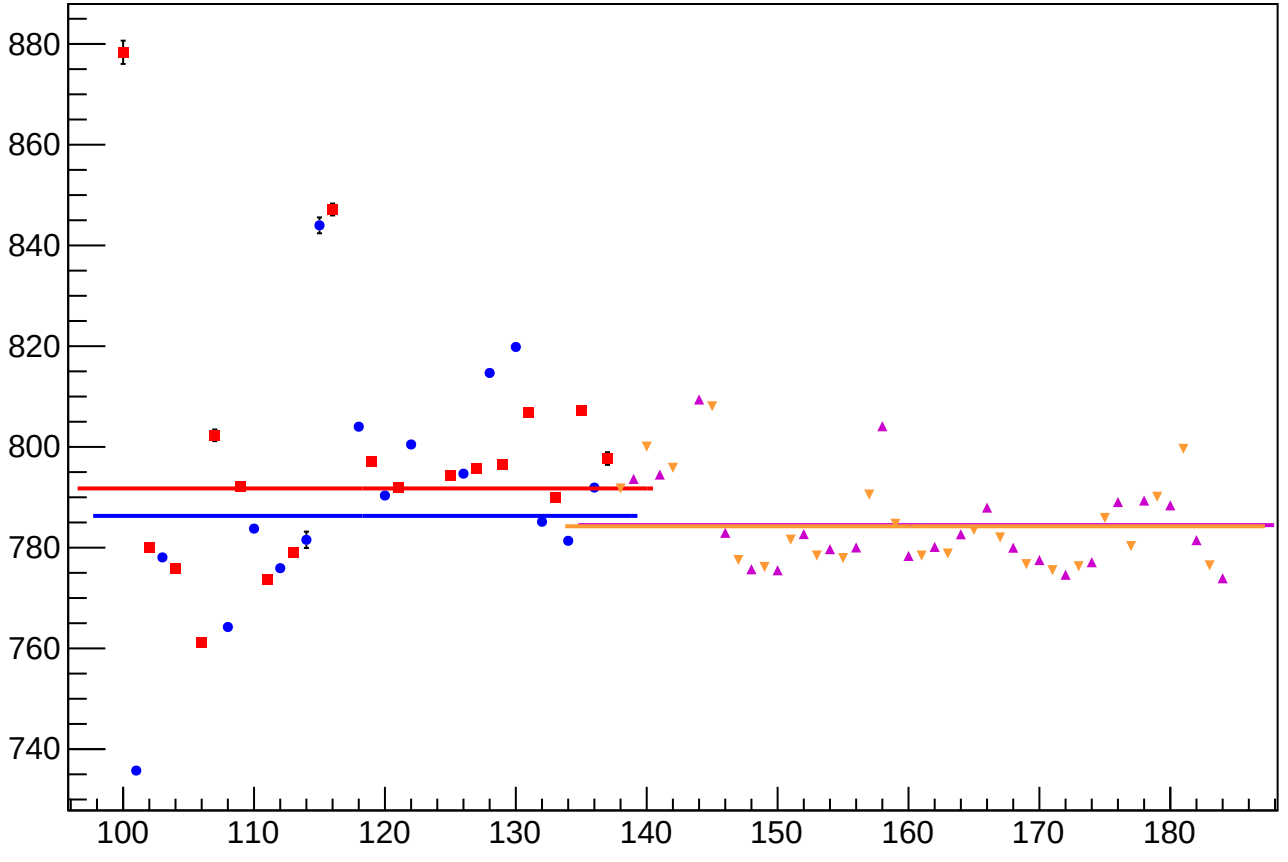
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2164.641+/-155.200 χ^2/NDF:40.3/38

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

All: 2045.626+/-109.753 χ^2/NDF: 65.9/79

dit_asym_us_avg_rms vs Slug, Sign Corrected



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: 784.473+/-0.130 χ^2/NDF:4927.7/22

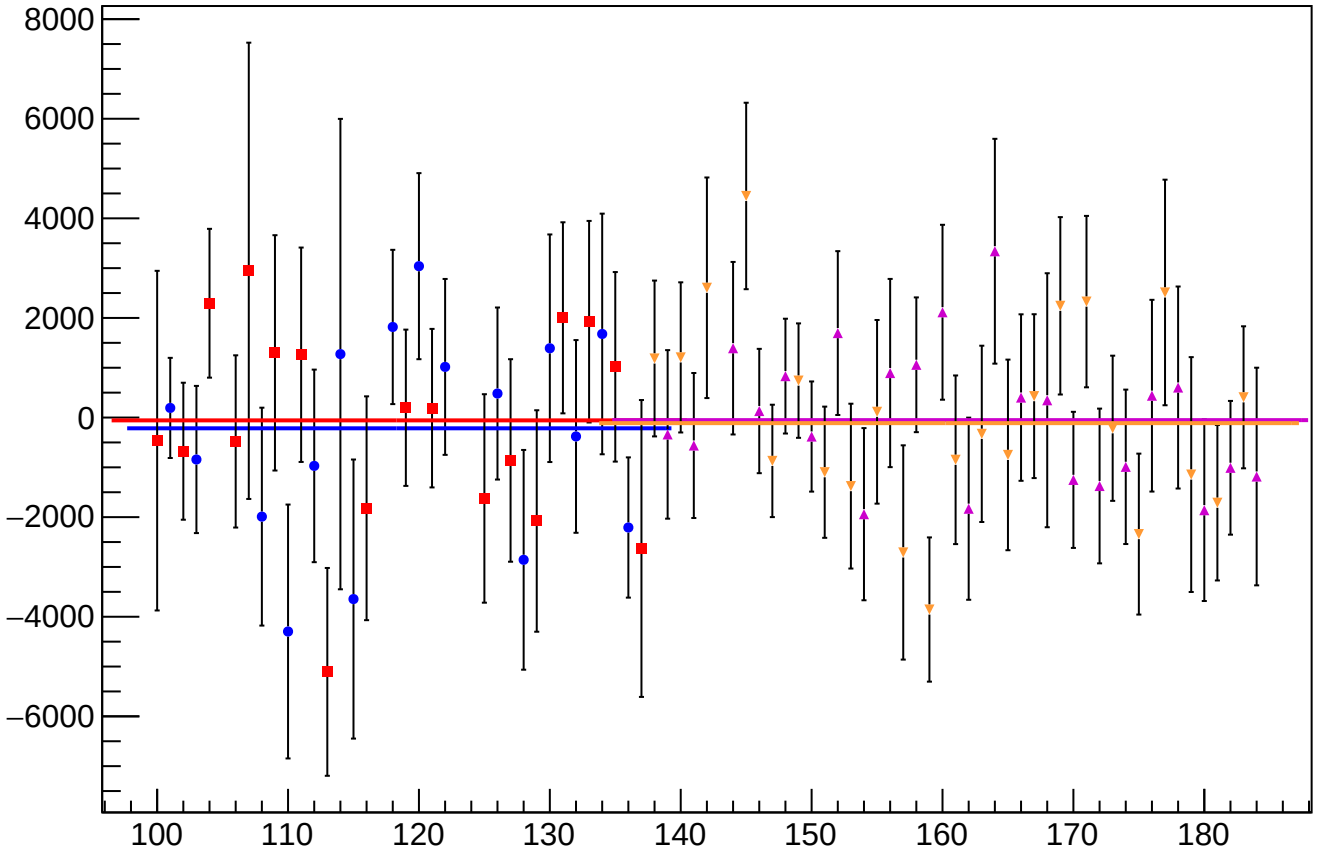
Left: 784.357+/-0.092 χ^2/NDF: 9581.2/45

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

In: 784.991+/-0.110 χ^2/NDF:17555.5/38

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

All: 785.680+/-0.078 χ^2/NDF: 30252.4/79



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

Left Out: -112.401+/-335.135 χ^2/NDF:28.0/22

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

Left In: -51.975+/-330.206 χ^2/NDF:13.4/22

Left: -81.741+/-235.214 χ^2/NDF: 41.4/45

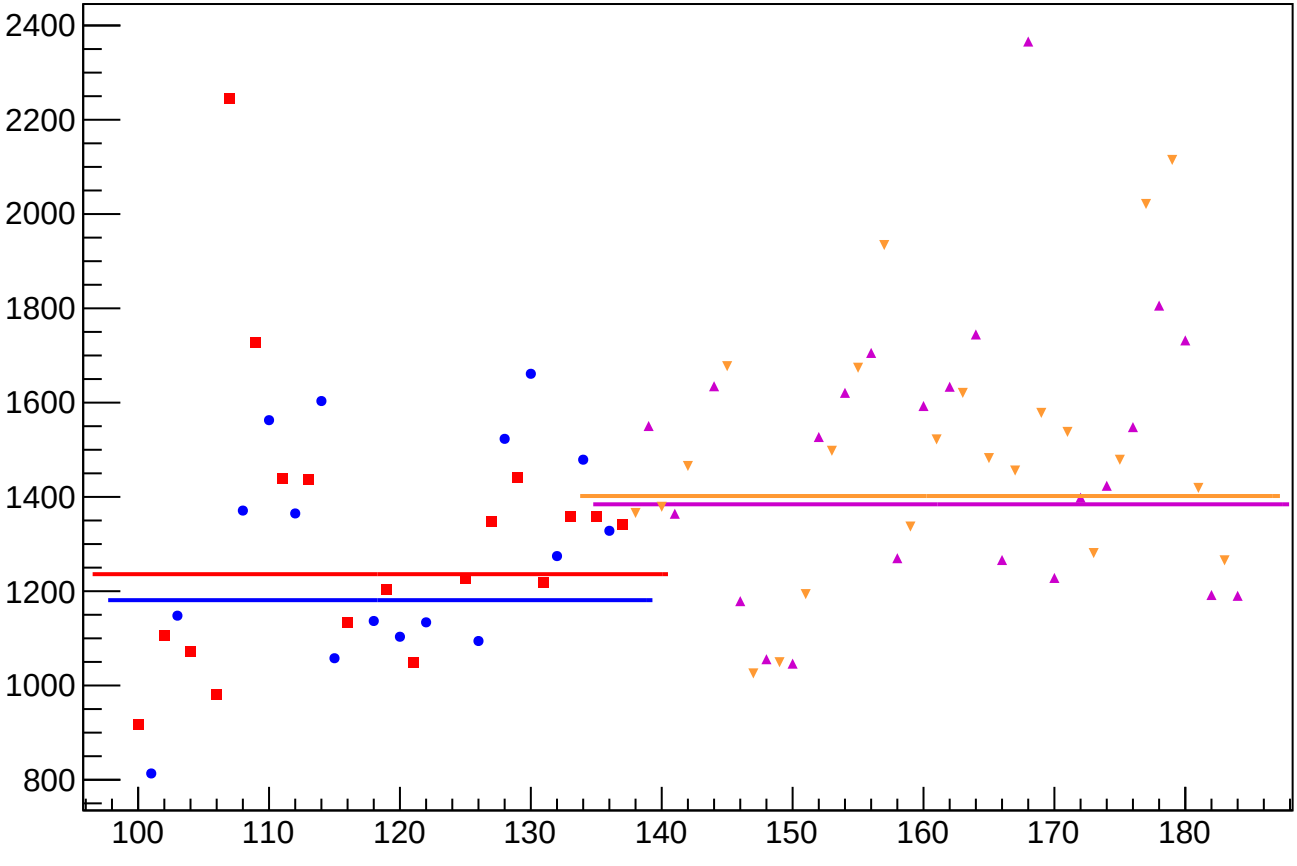
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: -109.524+/-266.126 χ^2/NDF:28.8/38

Out: -93.333+/-271.676 χ^2/NDF:43.1/40

All: -101.596+/-190.111 χ^2/NDF: 71.9/79

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: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

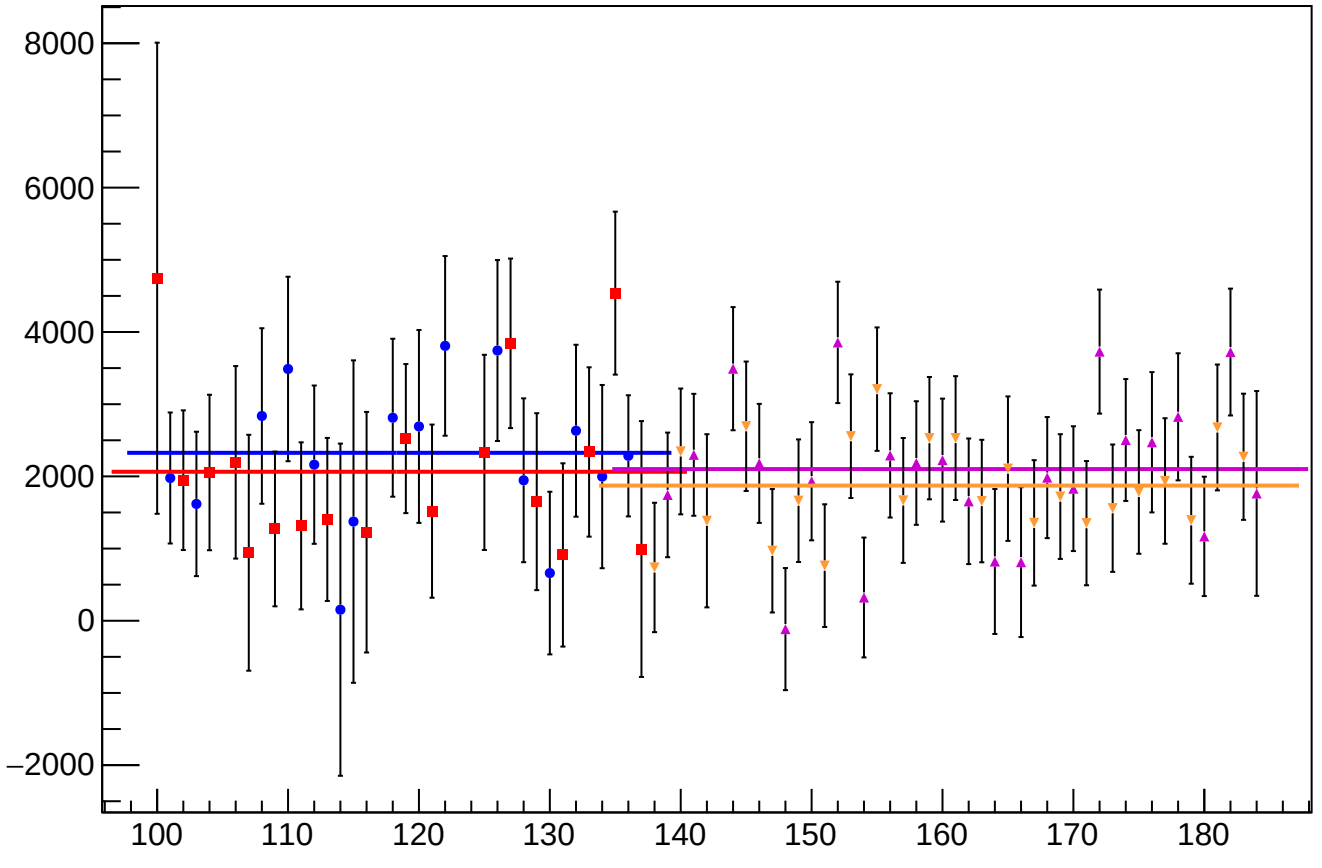
Left: 1392.987+/-0.166 χ^2/NDF: 2404223.0/45

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

In: 1313.072+/-0.188 χ^2/NDF:2106829.1/38

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

All: 1328.739+/-0.134 χ^2/NDF: 3817485.8/79



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: 2101.047+/-183.179 χ^2/NDF:31.8/22

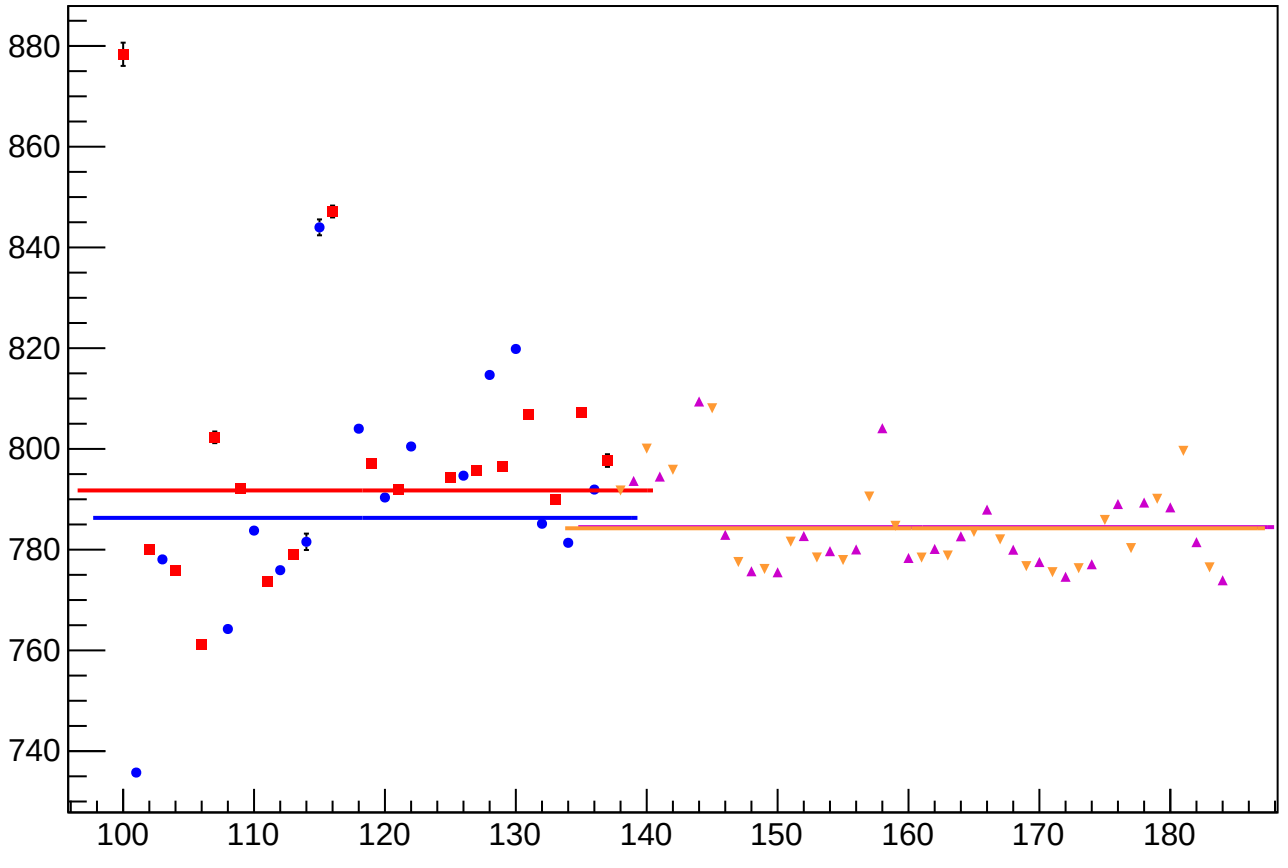
Left: 1986.776+/-129.578 χ^2/NDF: 45.0/45

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

In: 2164.641+/-155.200 χ^2/NDF:40.3/38

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

All: 2045.625+/-109.753 χ^2/NDF: 65.9/79



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: 784.473+/-0.130 χ^2/NDF:4927.7/22

Left: 784.357+/-0.092 χ^2/NDF: 9581.2/45

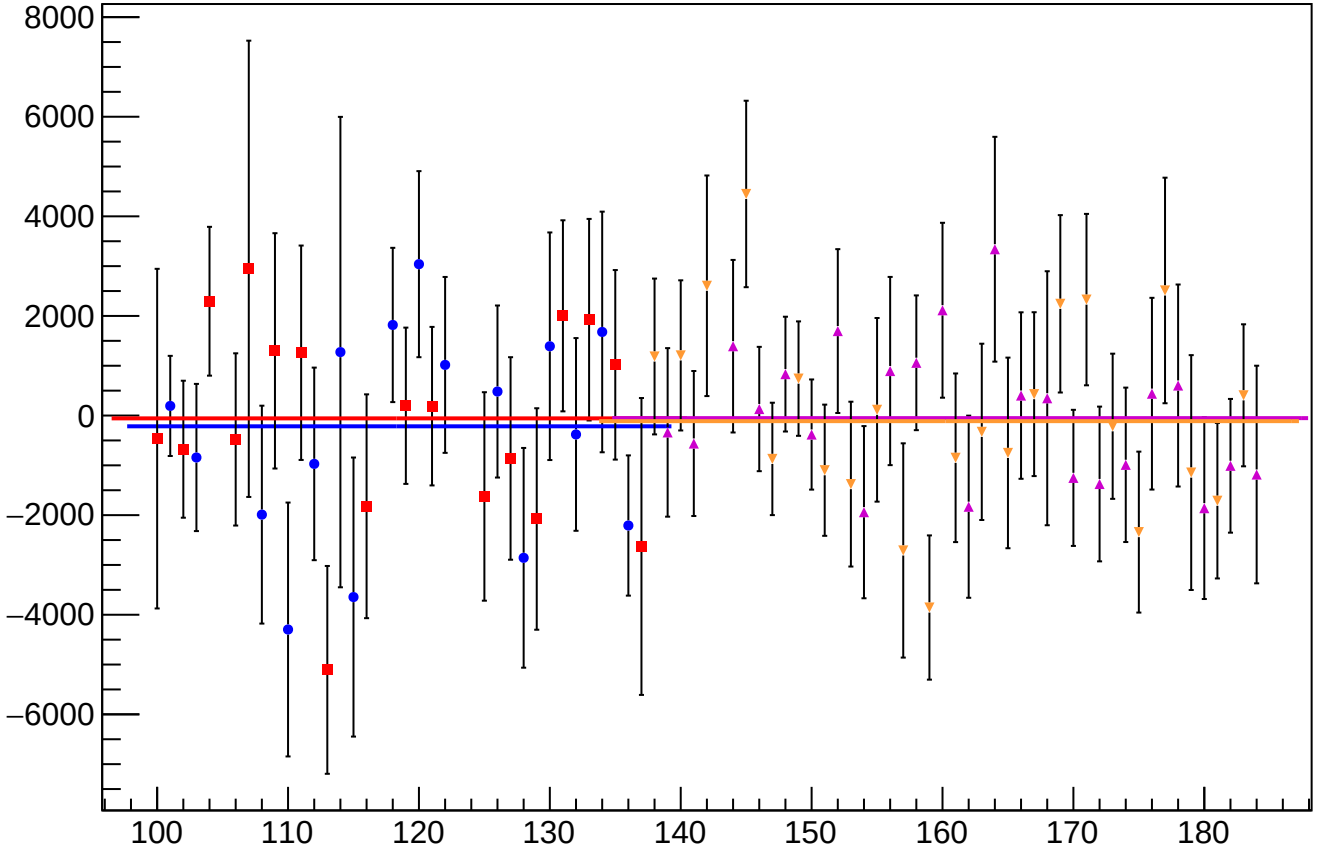
Right: 789.036+/-0.146 χ^2/NDF: 19934.1/33

In: 784.991+/-0.110 χ^2/NDF:17555.5/38

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

All: 785.680+/-0.078 χ^2/NDF: 30252.2/79

asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -51.975+/-330.207 χ^2/NDF:13.4/22

Left: -81.742+/-235.215 χ^2/NDF: 41.4/45

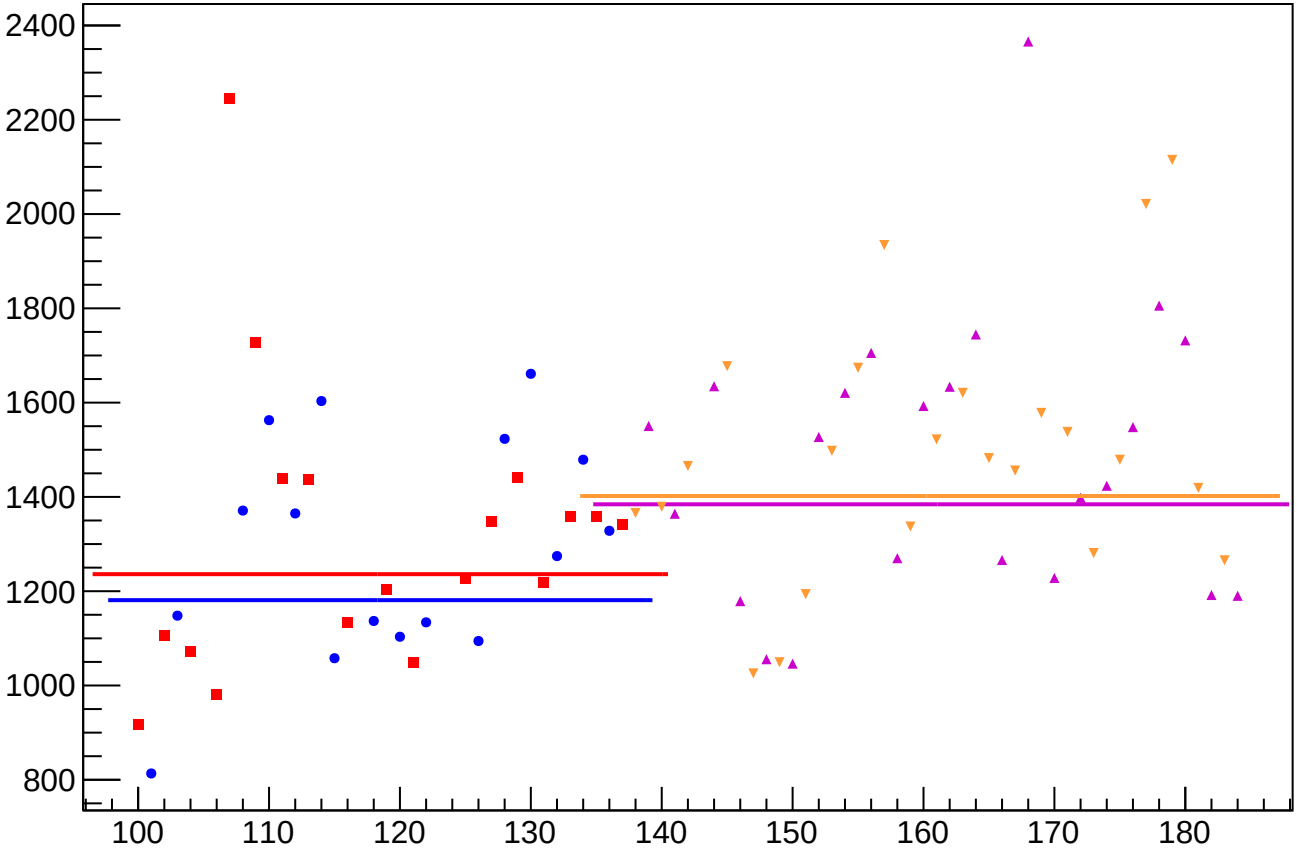
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: -109.524+/-266.126 χ^2/NDF:28.8/38

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

All: -101.597+/-190.111 χ^2/NDF: 71.9/79

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

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

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

Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

Left: 1392.990+/-0.166 χ^2/NDF: 2404224.6/45

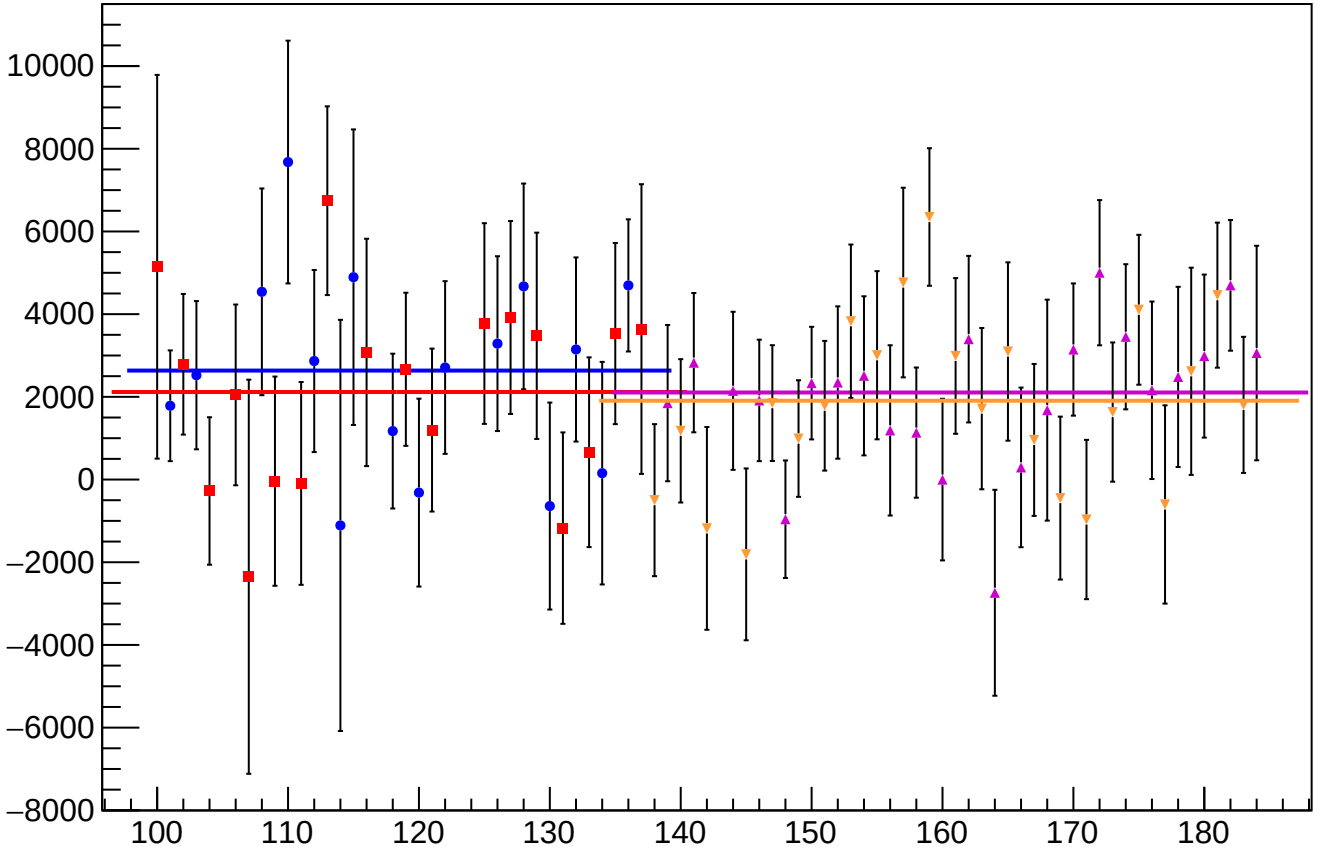
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1313.072+/-0.188 χ^2/NDF:2106842.6/38

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

All: 1328.740+/-0.134 χ^2/NDF: 3817511.3/79

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: 2105.415+/-379.051 χ^2/NDF:18.6/22

Left: 2006.982+/-269.612 χ^2/NDF: 45.2/45

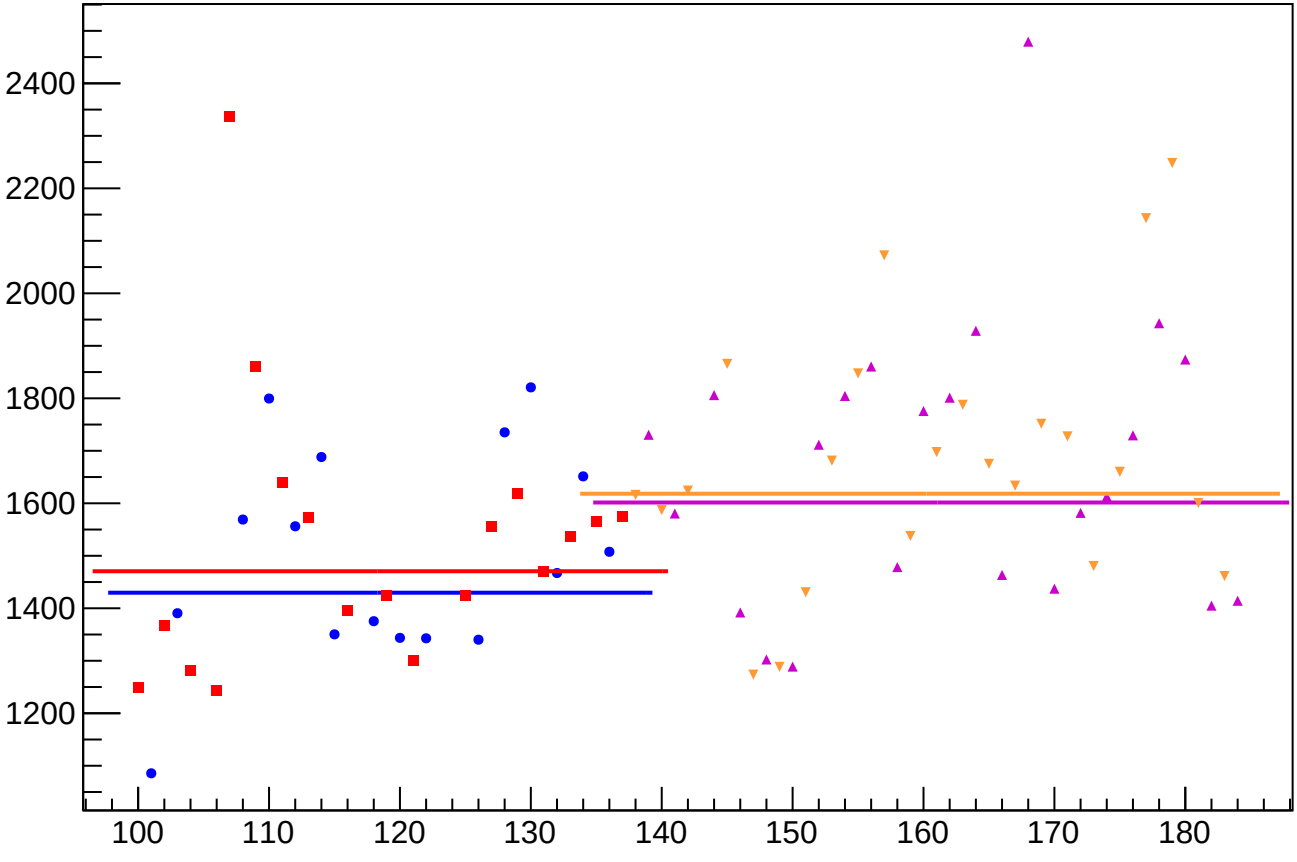
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2281.210+/-309.872 χ^2/NDF:31.5/38

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

All: 2130.520+/-220.607 χ^2/NDF: 72.3/79

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: 1601.496+/-0.268 χ^2/NDF:793722.6/22

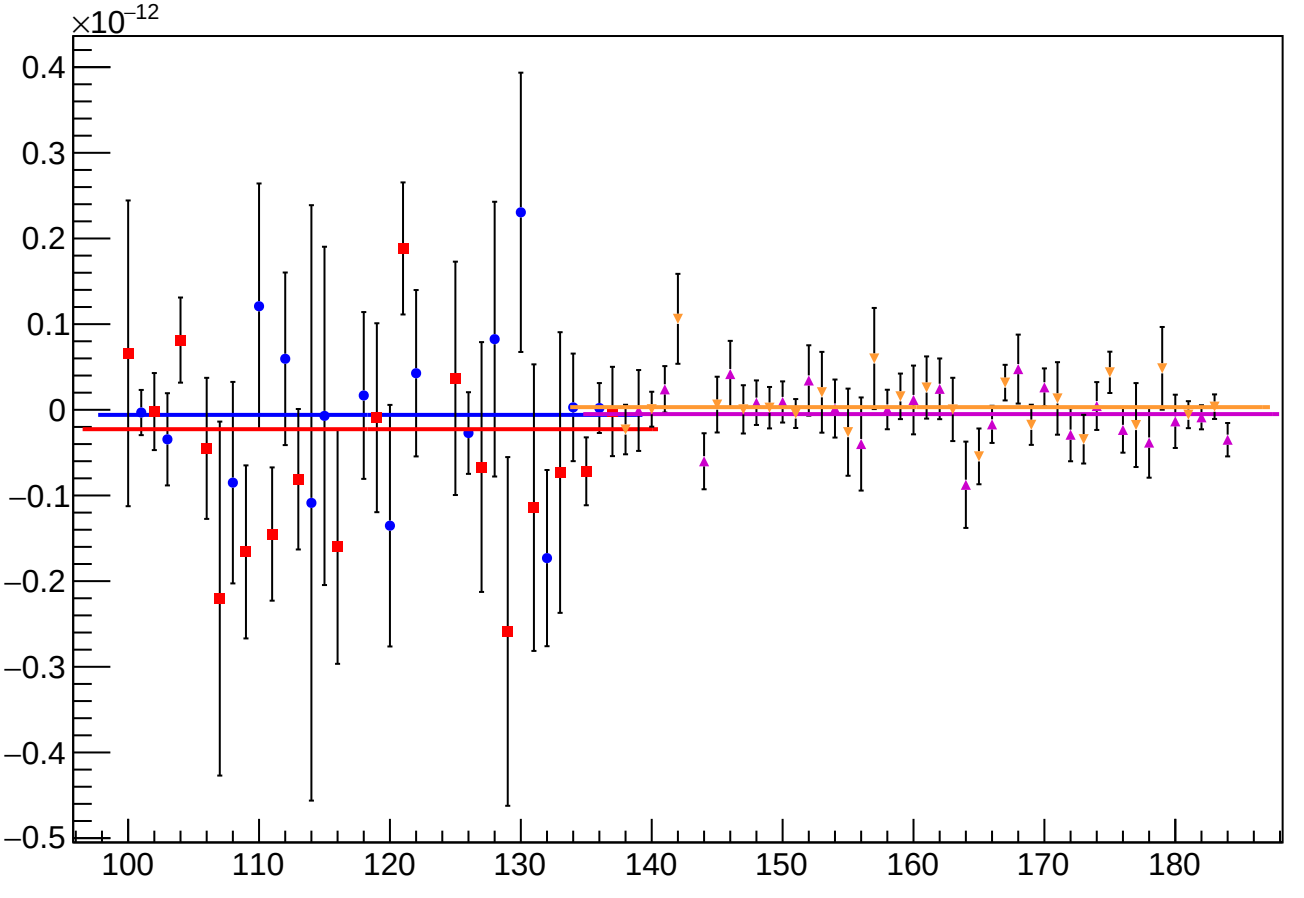
Left: 1609.772+/-0.191 χ^2/NDF: 1485463.6/45

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

In: 1544.496+/-0.219 χ^2/NDF:1223457.0/38

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

All: 1556.888+/-0.156 χ^2/NDF: 2235433.6/79



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:19.4/22

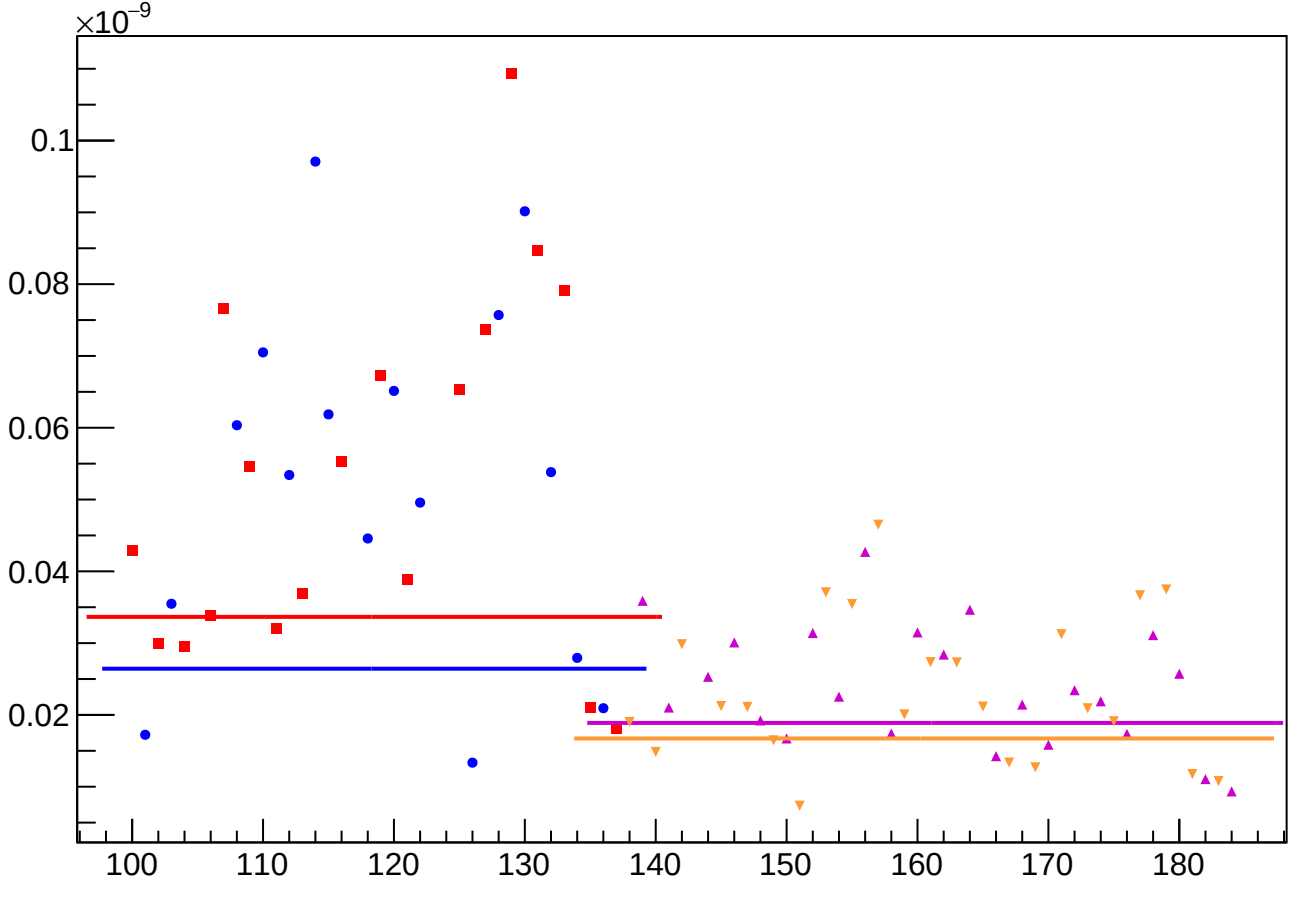
Left: -0.000+/-0.000 χ^2/NDF: 39.1/45

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

In: -0.000+/-0.000 χ^2/NDF:27.9/38

Out: 0.000+/-0.000 χ^2/NDF:43.6/40

All: -0.000+/-0.000 χ^2/NDF: 72.2/79



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:3256130.1/22

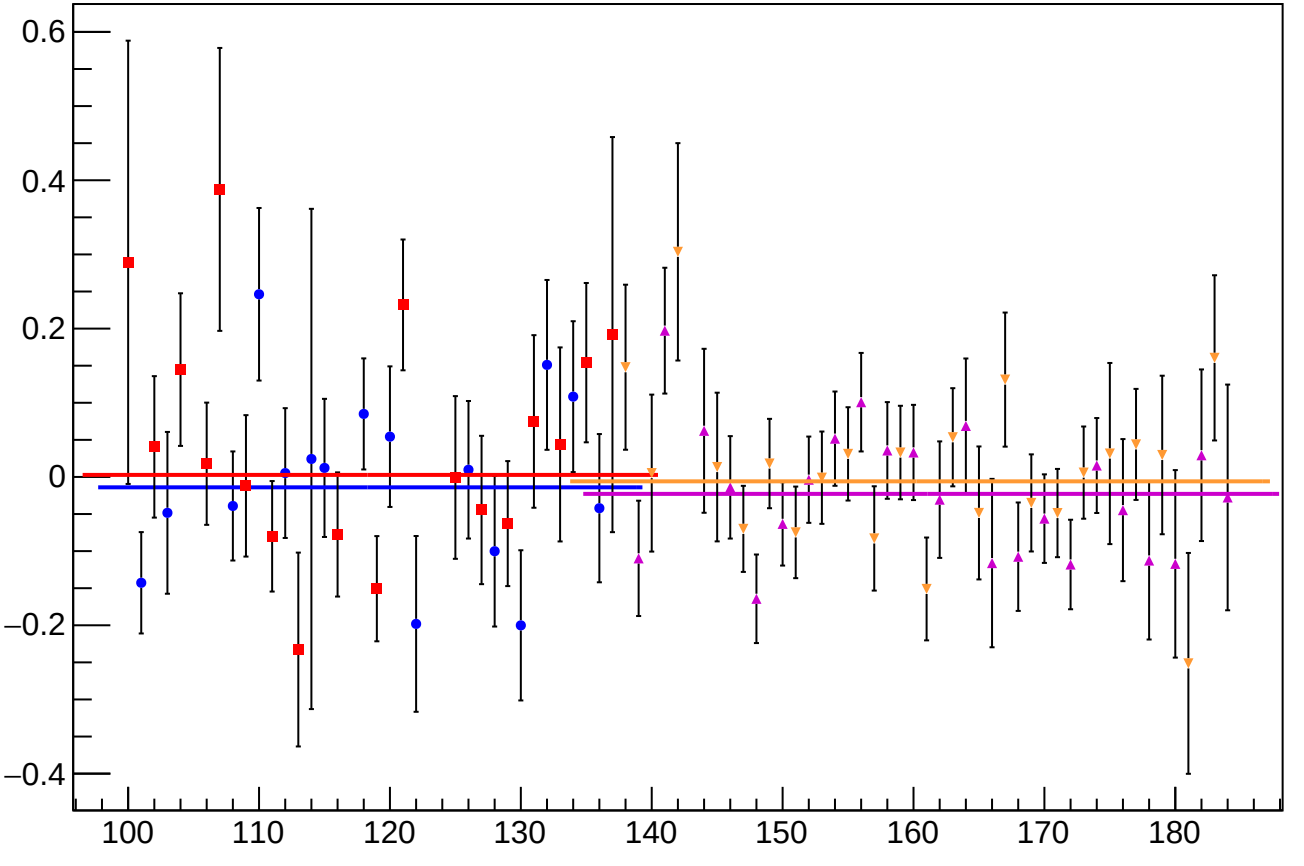
Left: 0.000+/-0.000 χ^2/NDF: 7471947.0/45

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

In: 0.000+/-0.000 χ^2/NDF:5827096.4/38

Out: 0.000+/-0.000 χ^2/NDF:7369573.0/40

All: 0.000+/-0.000 χ^2/NDF: 13303052.6/79



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+/-0.015 χ^2/NDF:29.0/22

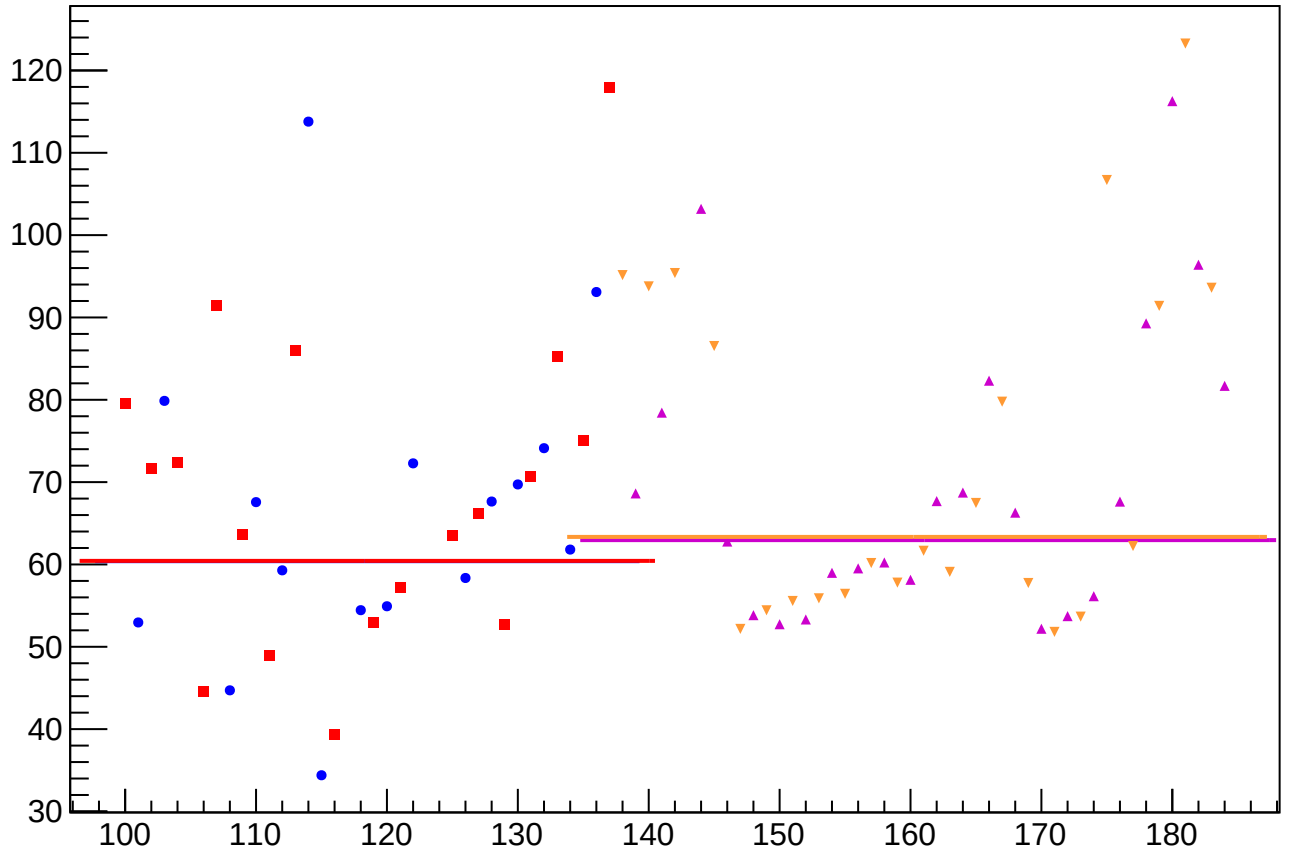
Left: -0.015+/-0.011 χ^2/NDF: 54.6/45

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

In: -0.020+/-0.013 χ^2/NDF:50.4/38

Out: -0.003+/-0.013 χ^2/NDF:52.9/40

All: -0.012+/-0.009 χ^2/NDF: 104.1/79



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: 62.956+/-0.011 χ^2/NDF:1430426.1/22

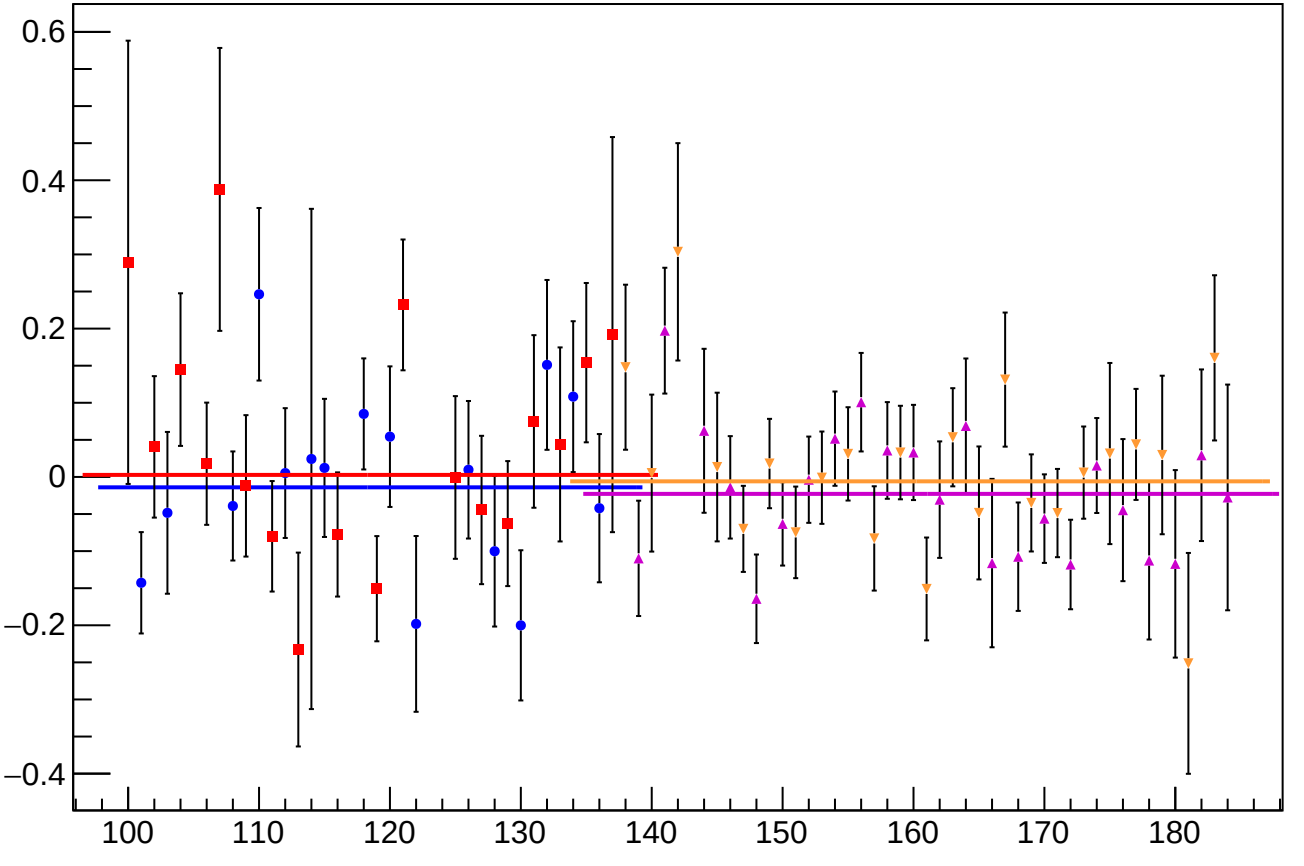
Left: 63.148+/-0.008 χ^2/NDF: 3264769.9/45

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

In: 62.197+/-0.009 χ^2/NDF:2149730.2/38

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

All: 62.327+/-0.007 χ^2/NDF: 4715774.7/79



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+/-0.015 χ^2/NDF:29.0/22

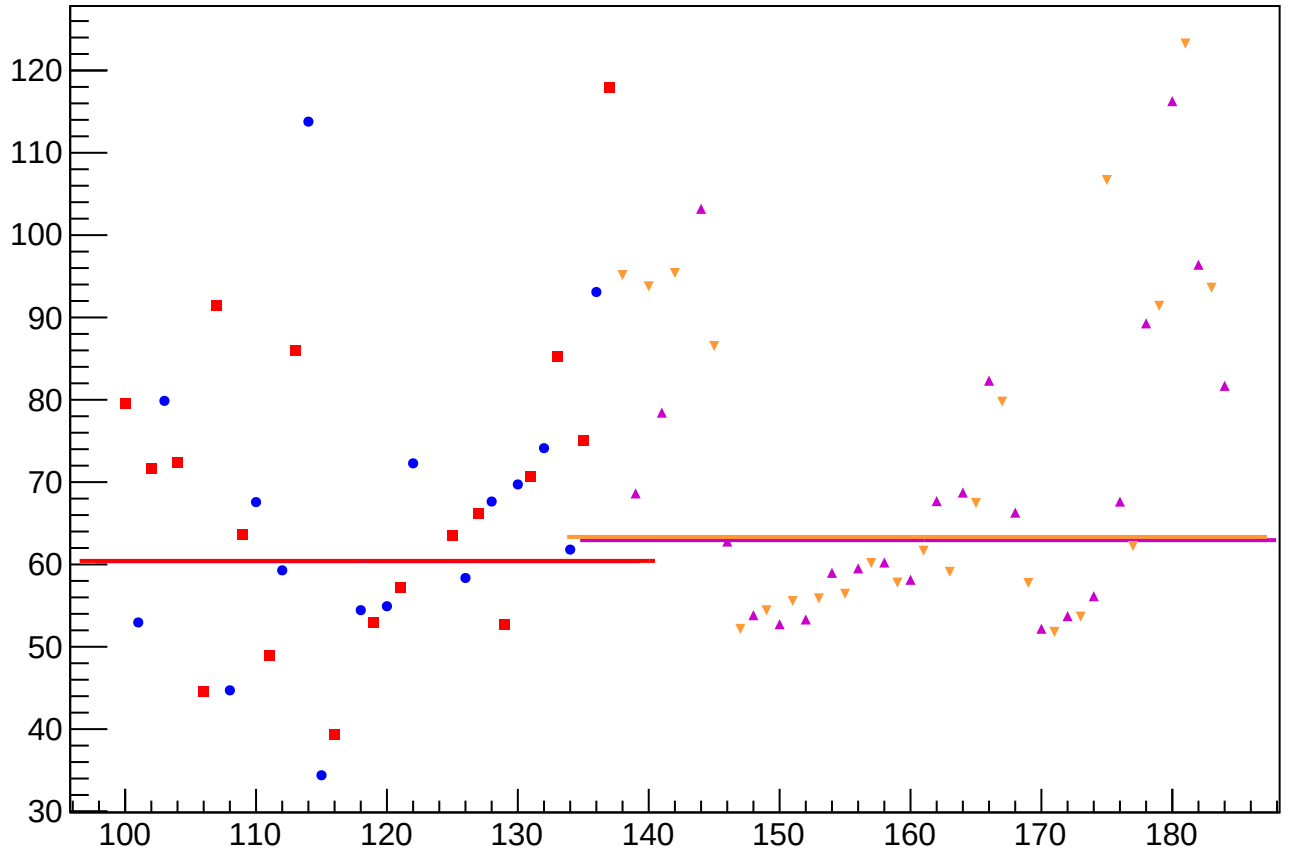
Left: -0.015+/-0.011 χ^2/NDF: 54.6/45

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

In: -0.020+/-0.013 χ^2/NDF:50.4/38

Out: -0.003+/-0.013 χ^2/NDF:52.9/40

All: -0.012+/-0.009 χ^2/NDF: 104.1/79



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: 62.956+/-0.011 χ^2/NDF:1430426.1/22

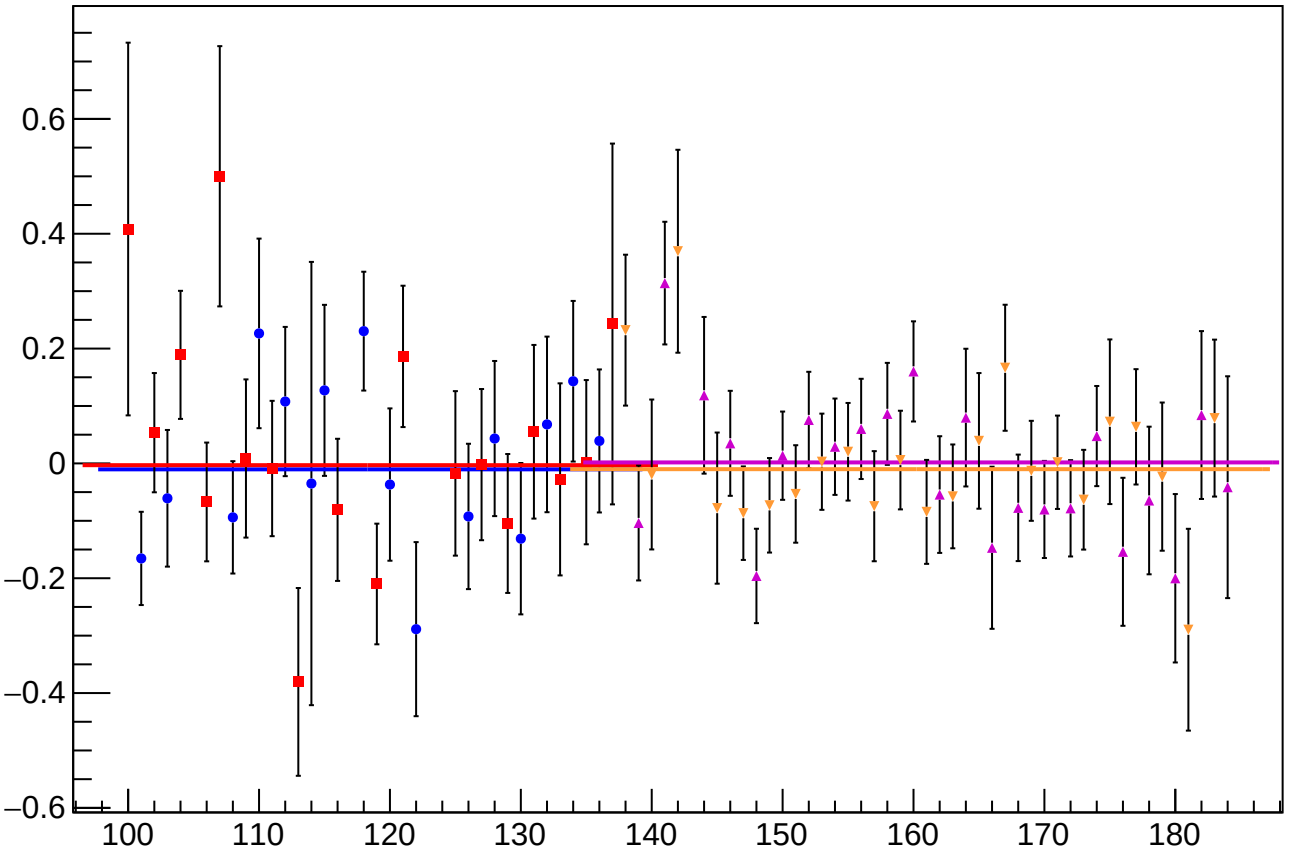
Left: 63.148+/-0.008 χ^2/NDF: 3264769.9/45

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

In: 62.197+/-0.009 χ^2/NDF:2149730.2/38

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

All: 62.327+/-0.007 χ^2/NDF: 4715774.7/79



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:30.5/22

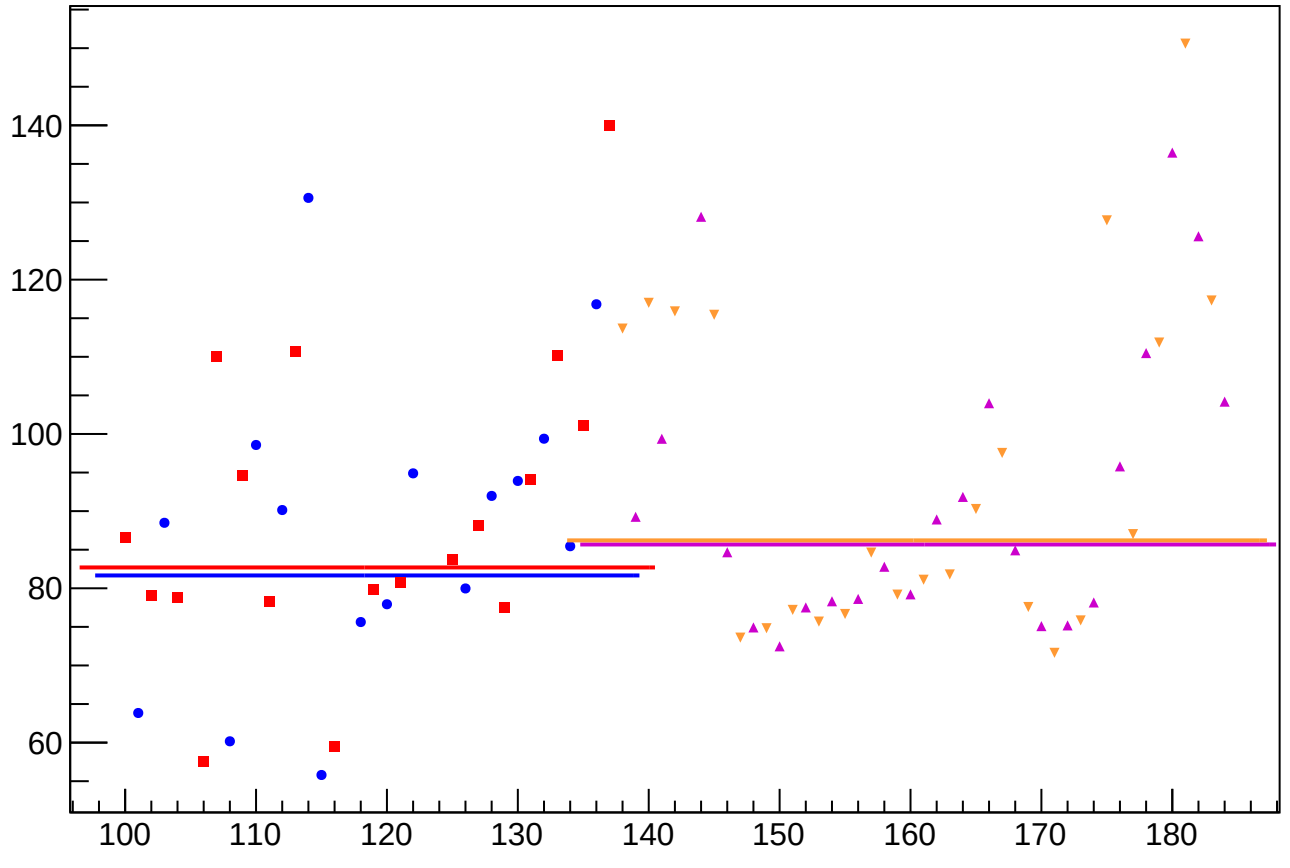
Left: -0.004+/-0.015 χ^2/NDF: 49.3/45

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

In: -0.002+/-0.017 χ^2/NDF:50.8/38

Out: -0.008+/-0.017 χ^2/NDF:42.3/40

All: -0.005+/-0.012 χ^2/NDF: 93.2/79



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: 85.679+/-0.015 χ^2/NDF:995870.4/22

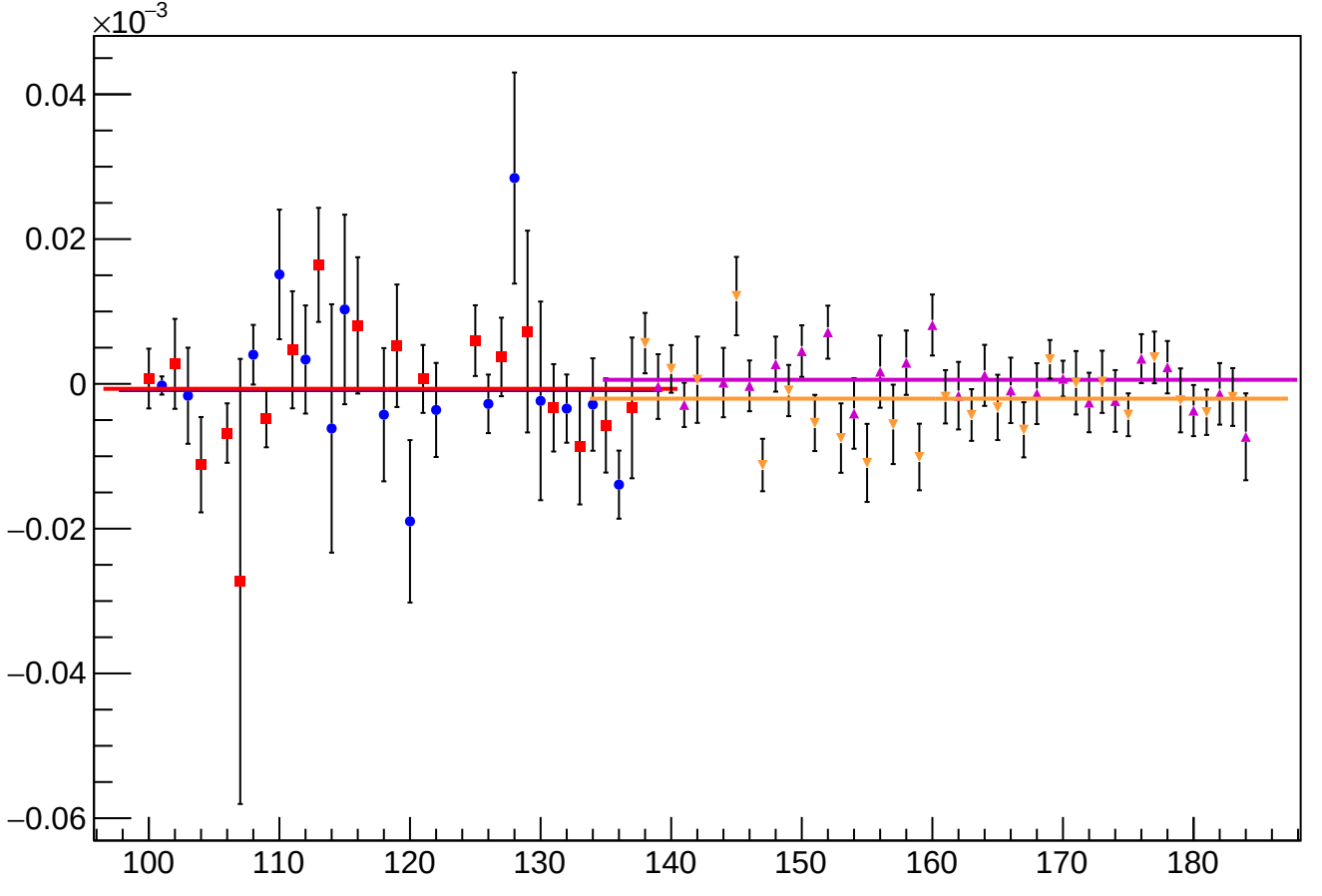
Left: 85.940+/-0.010 χ^2/NDF: 2294936.3/45

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

In: 84.475+/-0.012 χ^2/NDF:1580322.1/38

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

All: 84.806+/-0.009 χ^2/NDF: 3370283.9/79



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:16.6/22

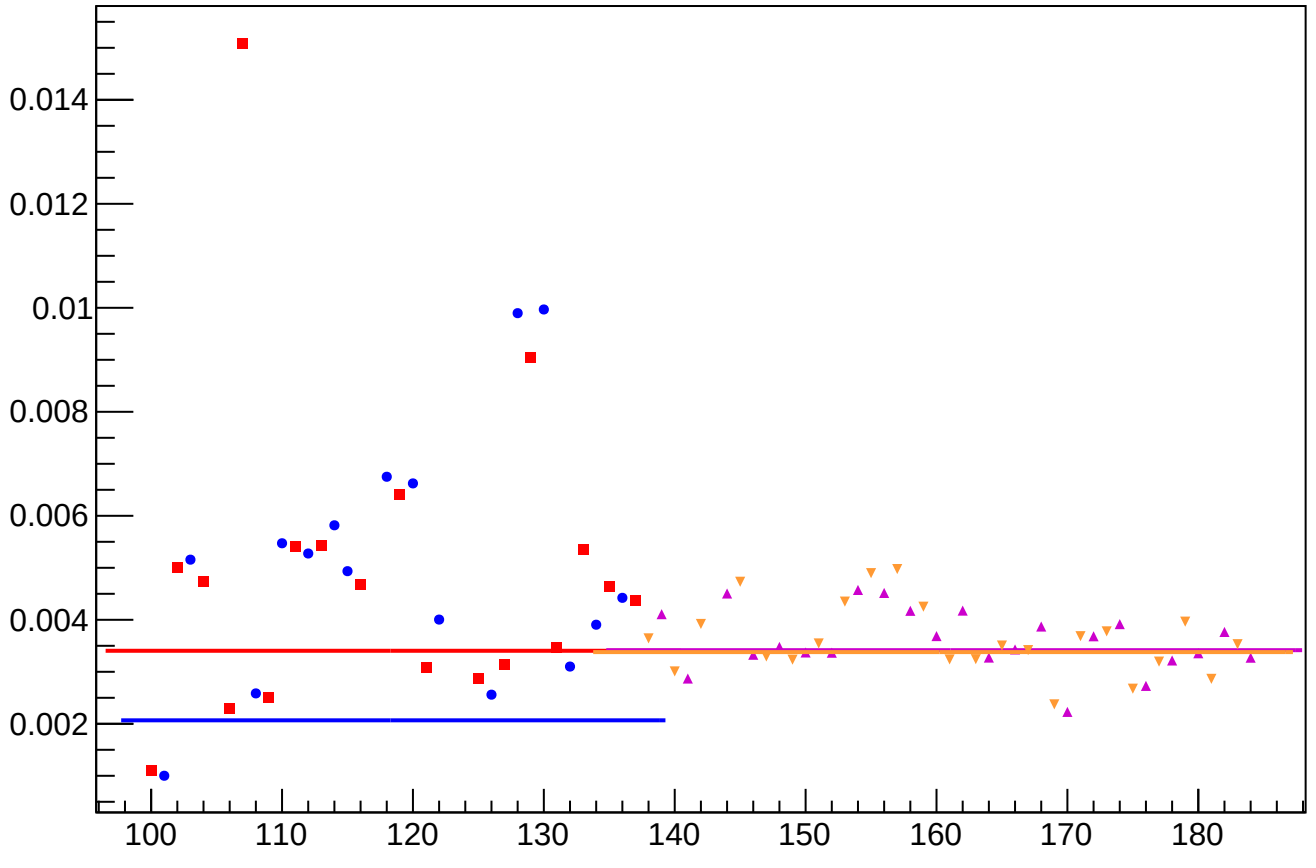
Left: -0.000+/-0.000 χ^2/NDF: 58.4/45

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

In: 0.000+/-0.000 χ^2/NDF:39.1/38

Out: -0.000+/-0.000 χ^2/NDF:55.7/40

All: -0.000+/-0.000 χ^2/NDF: 98.1/79



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

Left Out: 0.003+/-0.000 χ^2/NDF:1195096.0/22

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

Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

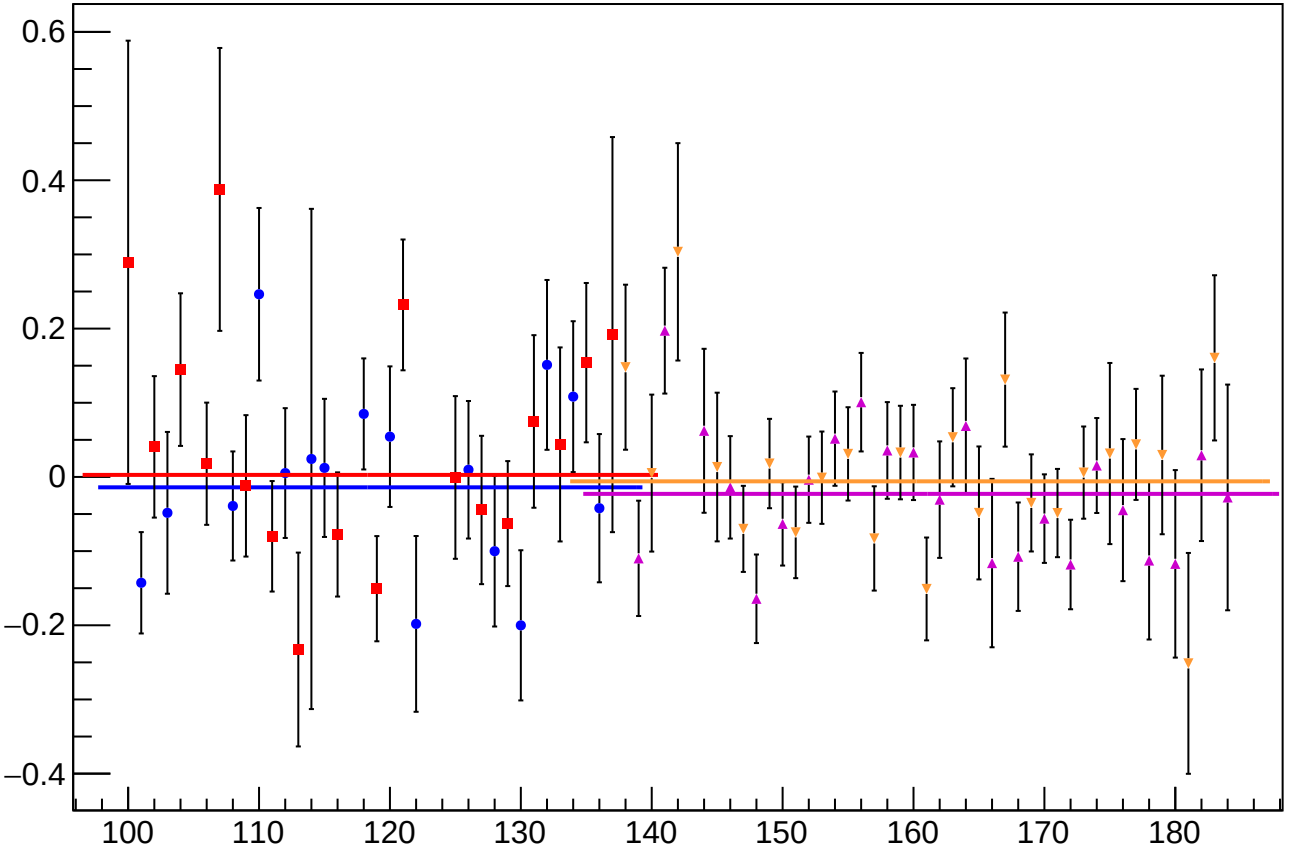
Left: 0.003+/-0.000 χ^2/NDF: 2367518.3/45

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

In: 0.003+/-0.000 χ^2/NDF:9148709.2/38

Out: 0.003+/-0.000 χ^2/NDF:3686881.8/40

All: 0.003+/-0.000 χ^2/NDF: 13397307.5/79



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+/-0.015 χ^2/NDF:29.0/22

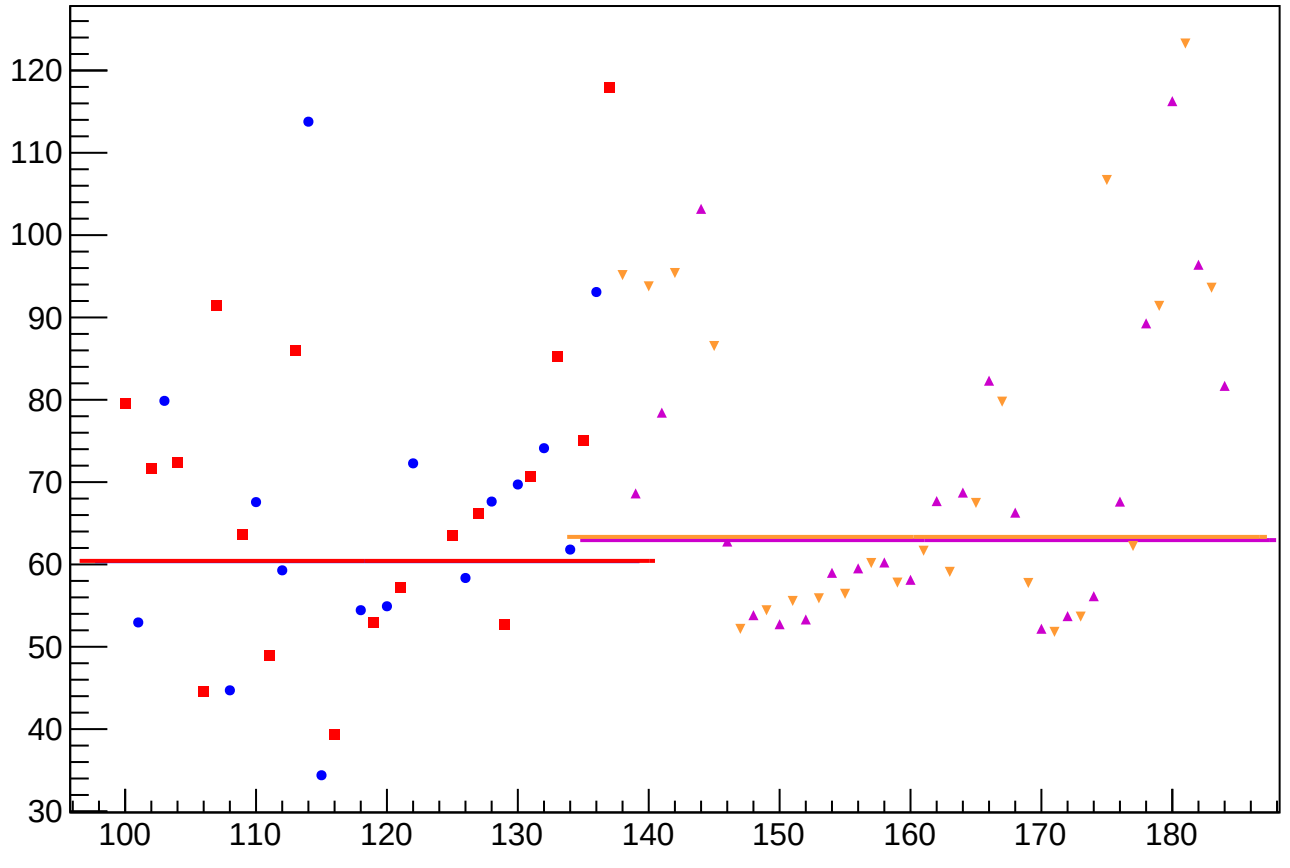
Left: -0.015+/-0.011 χ^2/NDF: 54.6/45

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

In: -0.020+/-0.013 χ^2/NDF:50.4/38

Out: -0.003+/-0.013 χ^2/NDF:52.9/40

All: -0.012+/-0.009 χ^2/NDF: 104.1/79



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: 62.956+/-0.011 χ^2/NDF:1430401.4/22

Left: 63.148+/-0.008 χ^2/NDF: 3264728.5/45

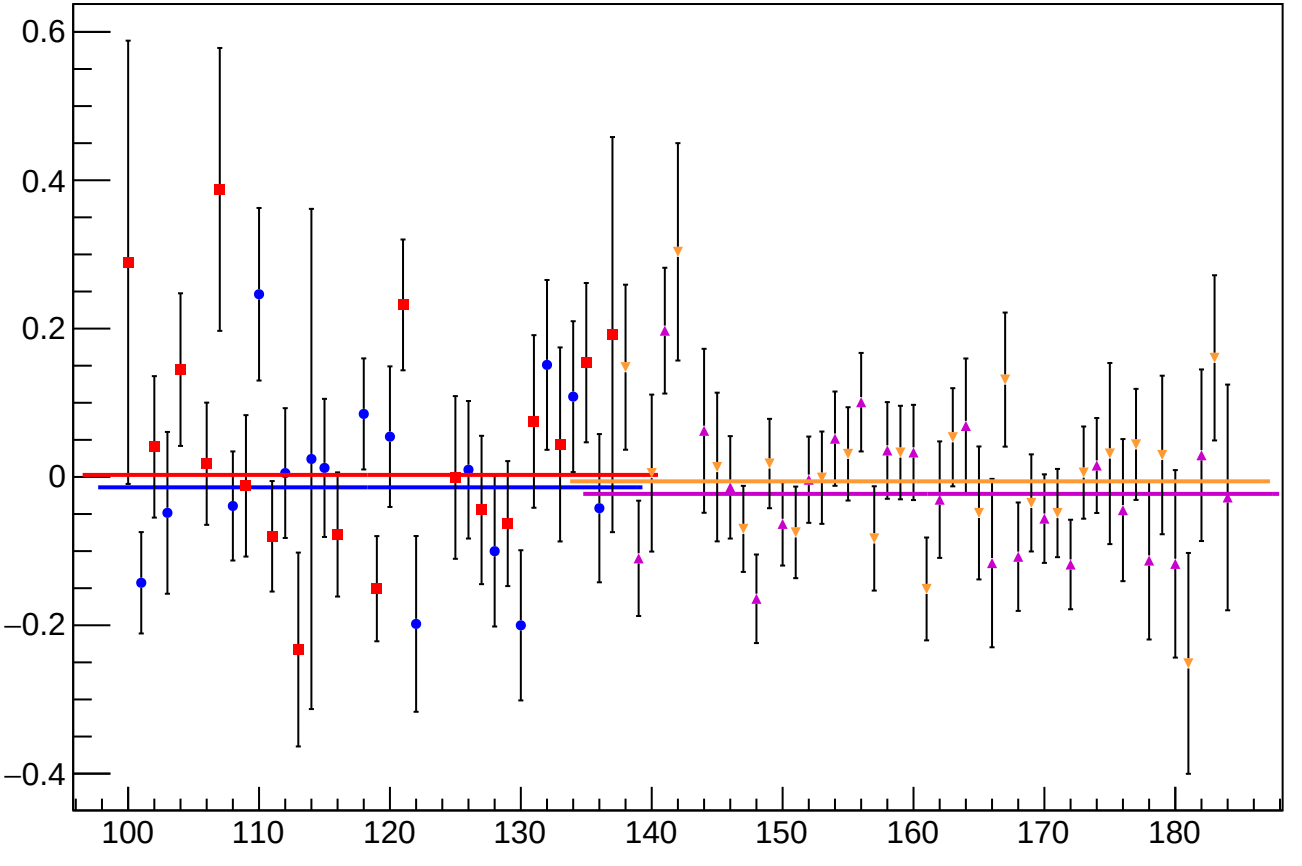
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 62.197+/-0.009 χ^2/NDF:2149739.7/38

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

All: 62.327+/-0.007 χ^2/NDF: 4715826.7/79

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+/-0.015 χ^2/NDF:29.0/22

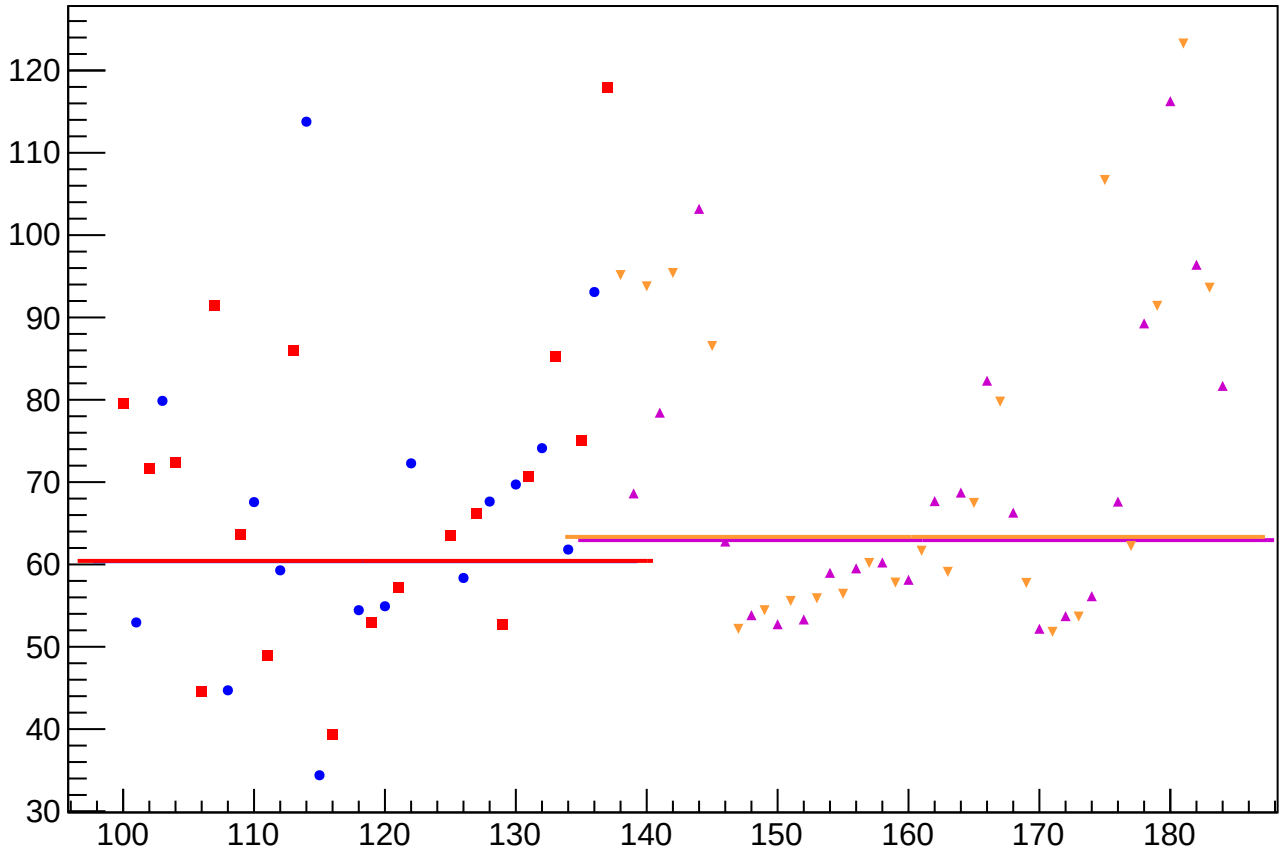
Left: -0.015+/-0.011 χ^2/NDF: 54.6/45

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

In: -0.020+/-0.013 χ^2/NDF:50.4/38

Out: -0.003+/-0.013 χ^2/NDF:52.9/40

All: -0.012+/-0.009 χ^2/NDF: 104.1/79



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: 62.956+/-0.011 χ^2/NDF:1430401.4/22

Left: 63.148+/-0.008 χ^2/NDF: 3264728.5/45

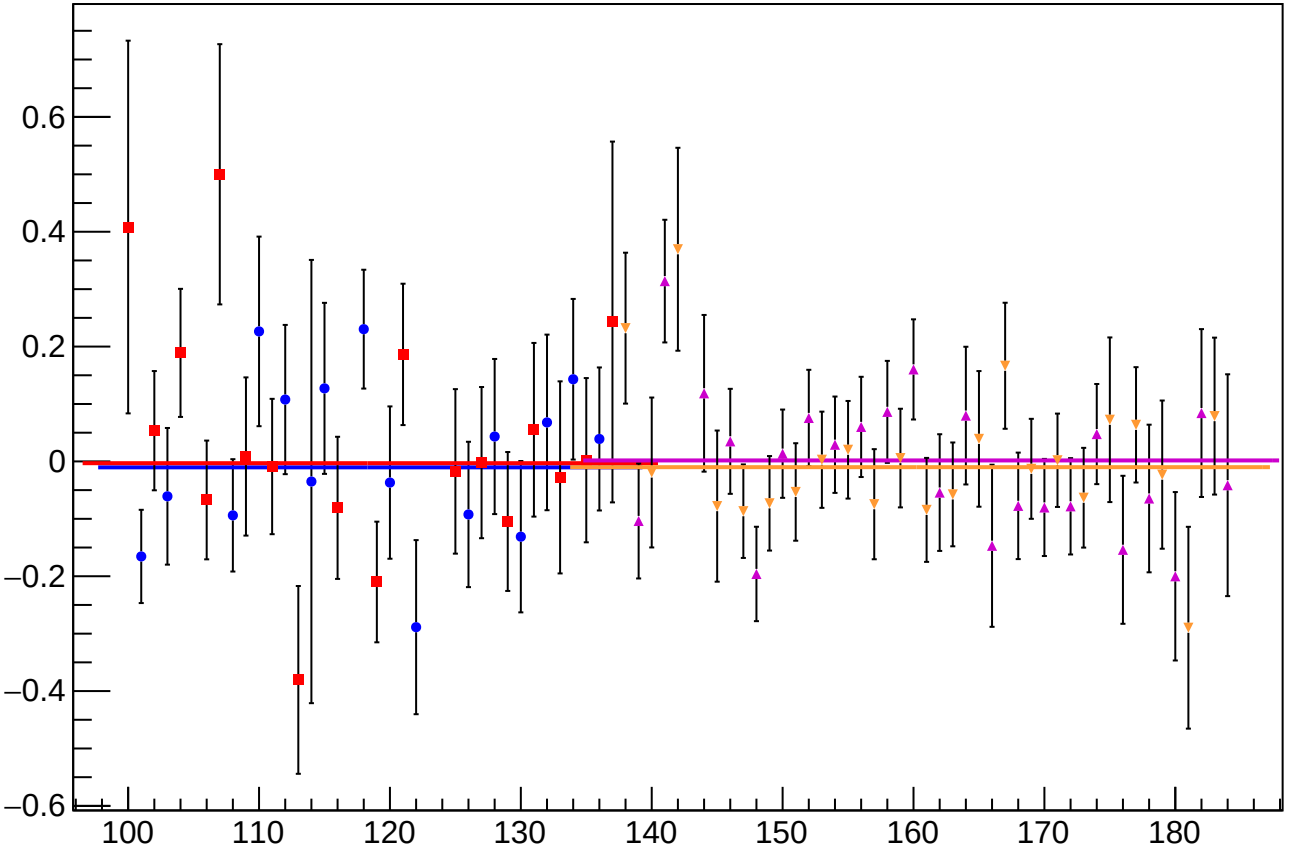
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 62.197+/-0.009 χ^2/NDF:2149739.7/38

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

All: 62.327+/-0.007 χ^2/NDF: 4715826.7/79

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:30.5/22

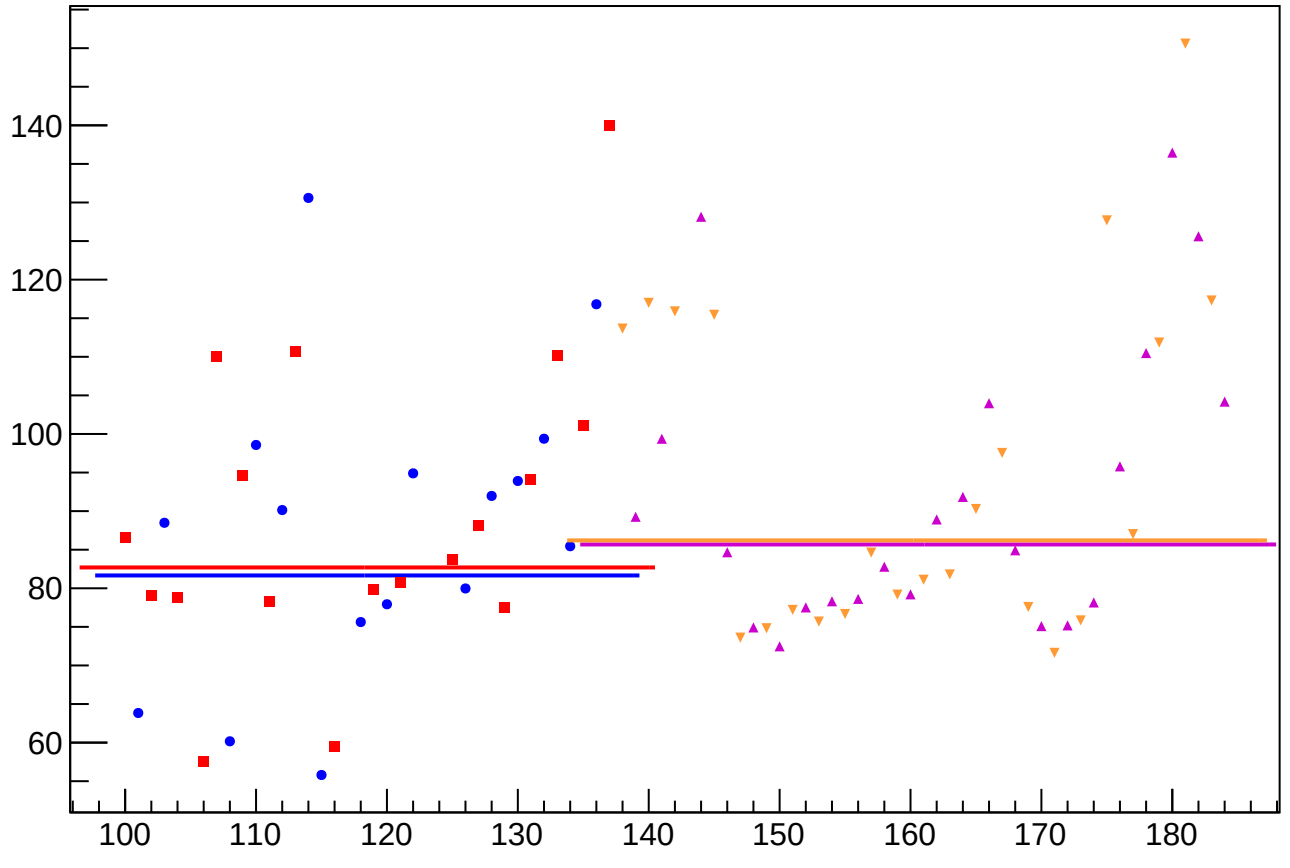
Left: -0.004+/-0.015 χ^2/NDF: 49.3/45

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

In: -0.002+/-0.017 χ^2/NDF:50.8/38

Out: -0.008+/-0.017 χ^2/NDF:42.3/40

All: -0.005+/-0.012 χ^2/NDF: 93.2/79



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: 85.679+/-0.015 χ^2/NDF:995860.8/22

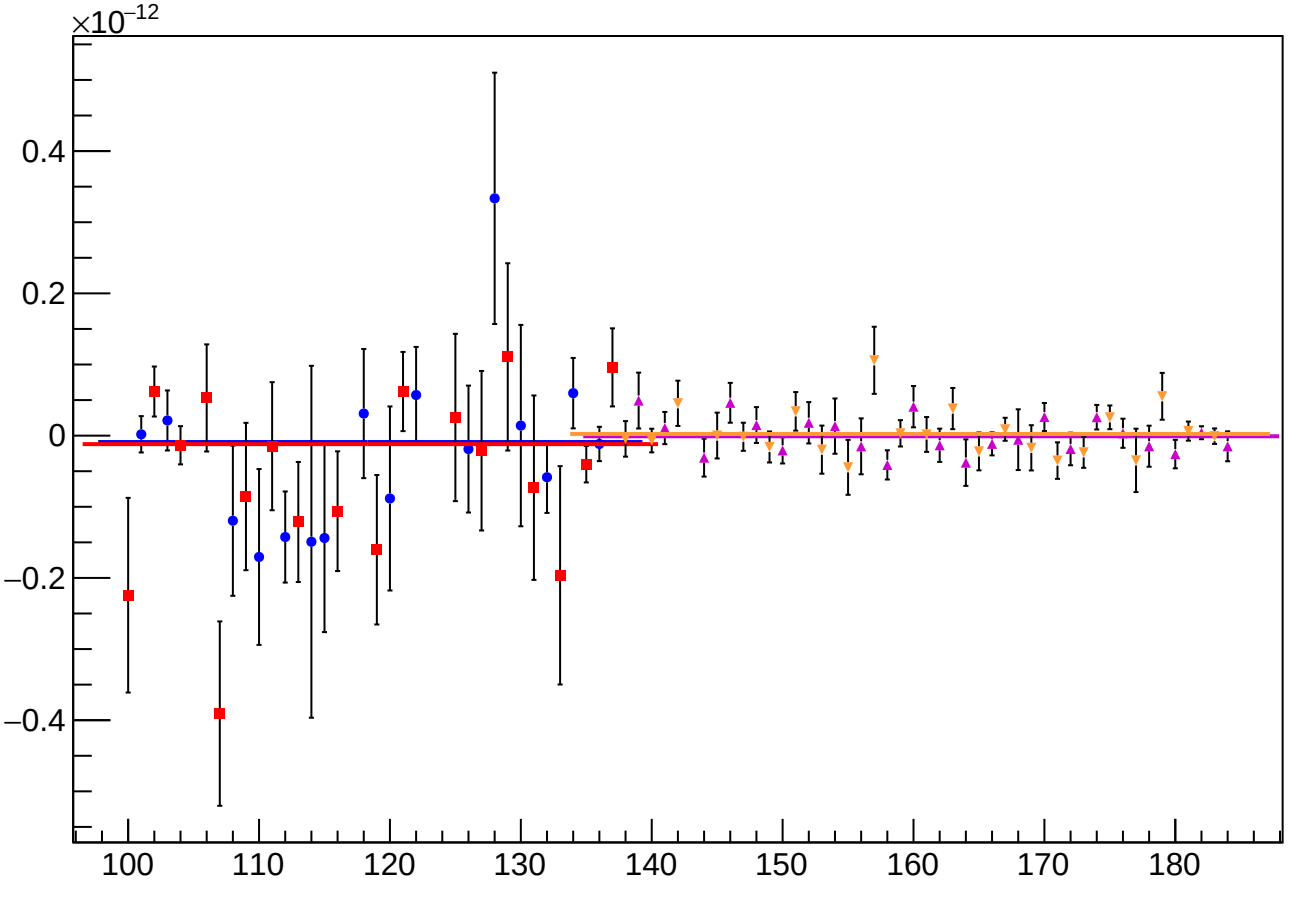
Left: 85.940+/-0.010 χ^2/NDF: 2294917.1/45

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

In: 84.475+/-0.012 χ^2/NDF:1580312.6/38

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

All: 84.806+/-0.009 χ^2/NDF: 3370275.1/79



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:23.6/22

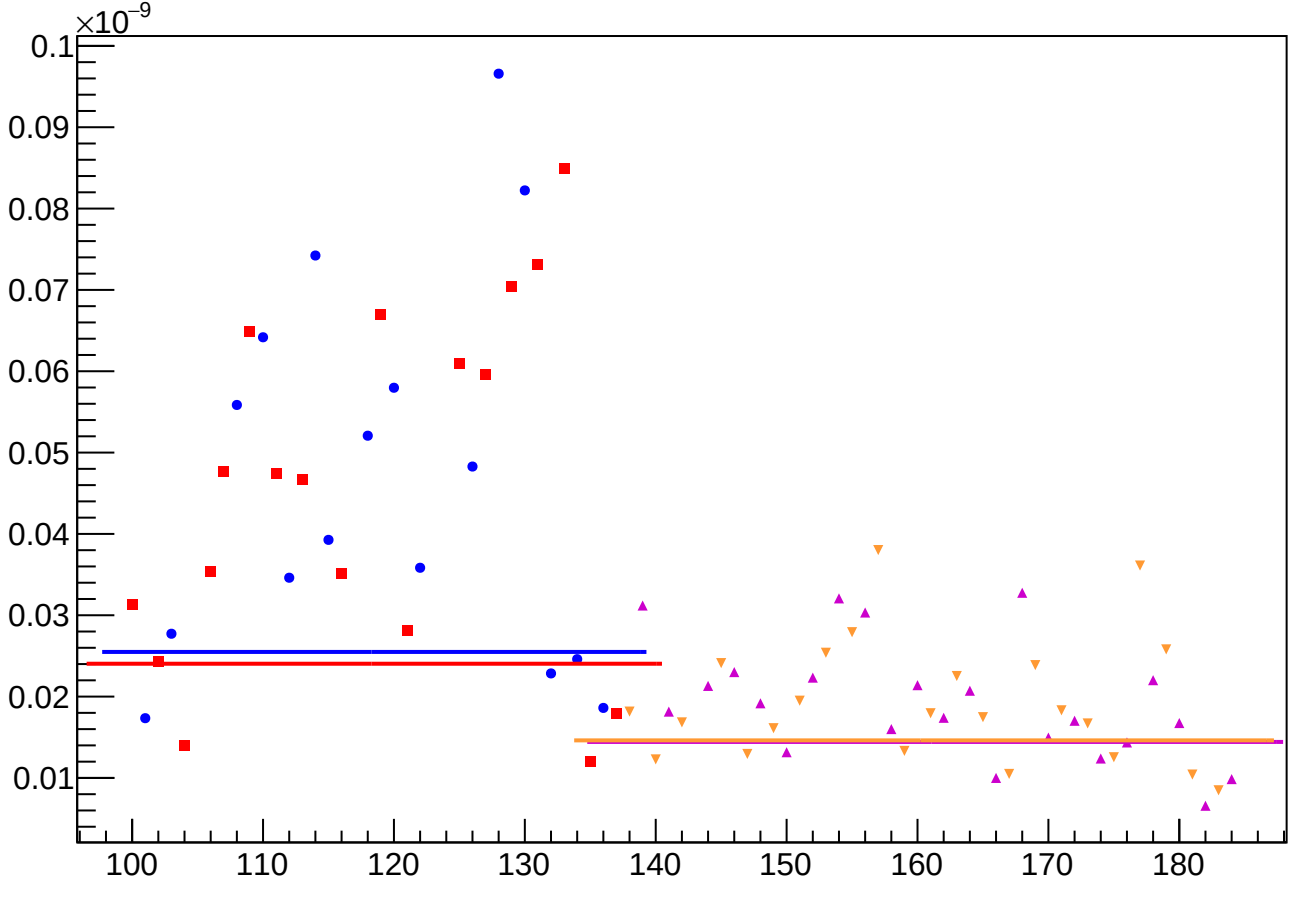
Left: 0.000+/-0.000 χ^2/NDF: 46.9/45

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

In: -0.000+/-0.000 χ^2/NDF:41.4/38

Out: 0.000+/-0.000 χ^2/NDF:55.0/40

All: -0.000+/-0.000 χ^2/NDF: 96.7/79



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:4256069.8/22

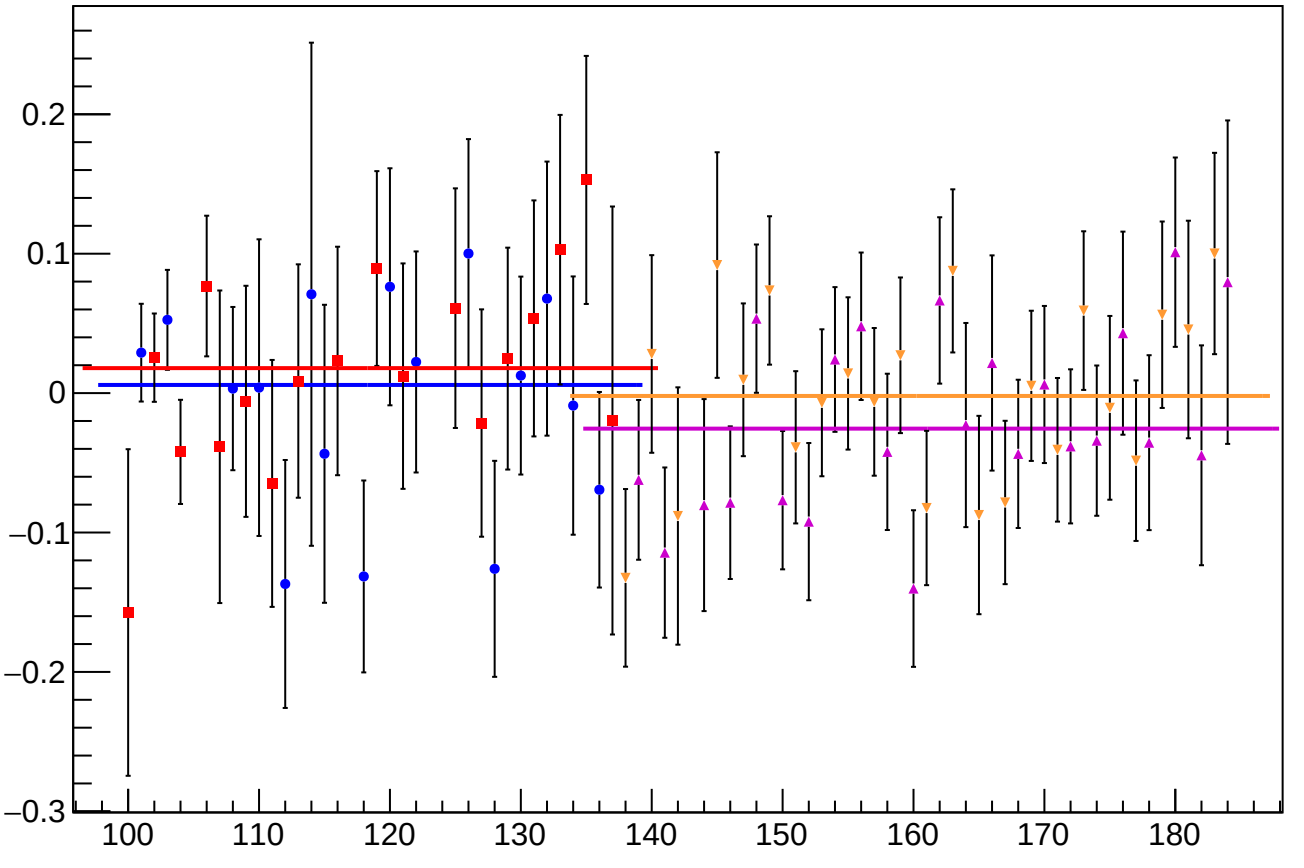
Left: 0.000+/-0.000 χ^2/NDF: 7682071.2/45

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

In: 0.000+/-0.000 χ^2/NDF:7511393.5/38

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

All: 0.000+/-0.000 χ^2/NDF: 14910037.4/79



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: -0.025+/-0.013 χ^2/NDF:24.3/22

Left: -0.014+/-0.009 χ^2/NDF: 48.7/45

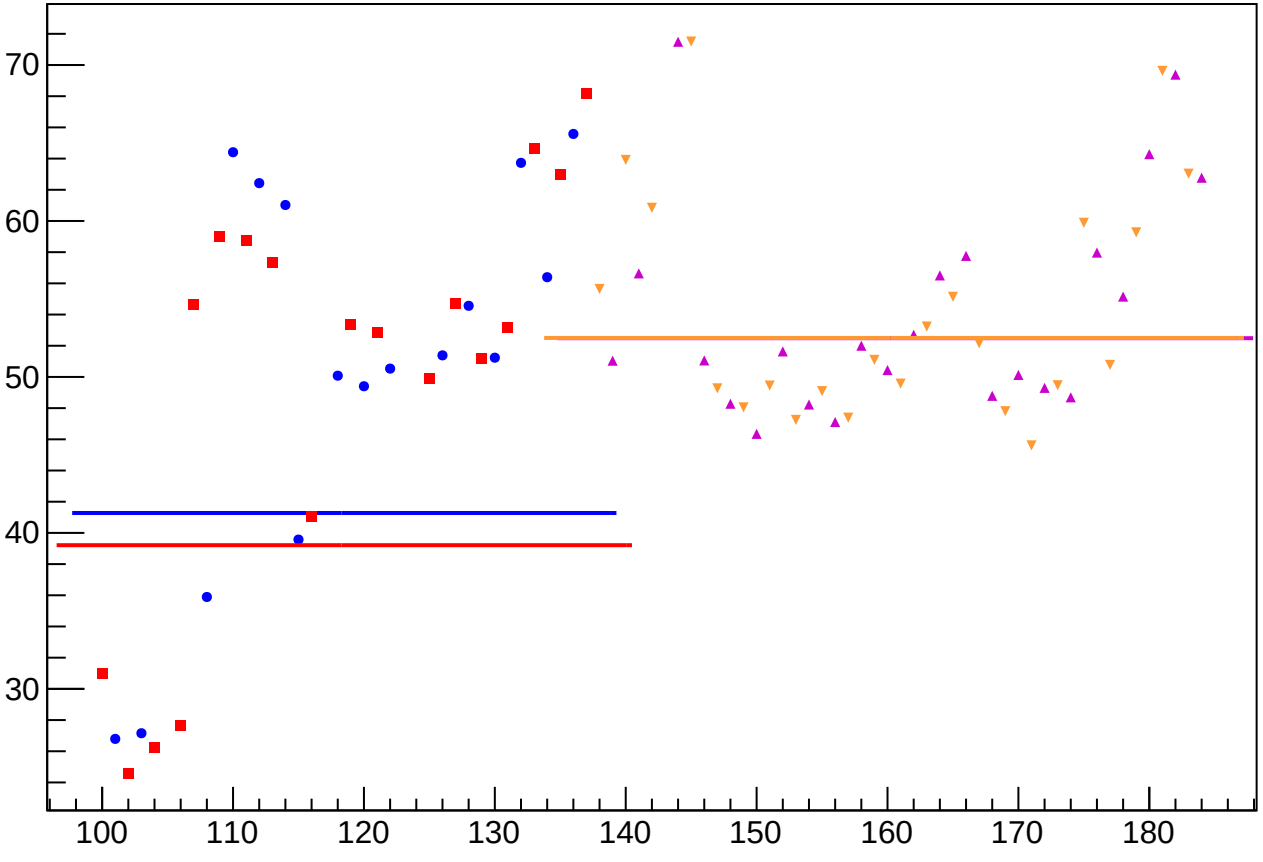
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.014+/-0.010 χ^2/NDF:42.1/38

Out: 0.006+/-0.010 χ^2/NDF:35.9/40

All: -0.004+/-0.007 χ^2/NDF: 80.1/79

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

Left: 52.493+/-0.006 χ^2/NDF: 955192.8/45

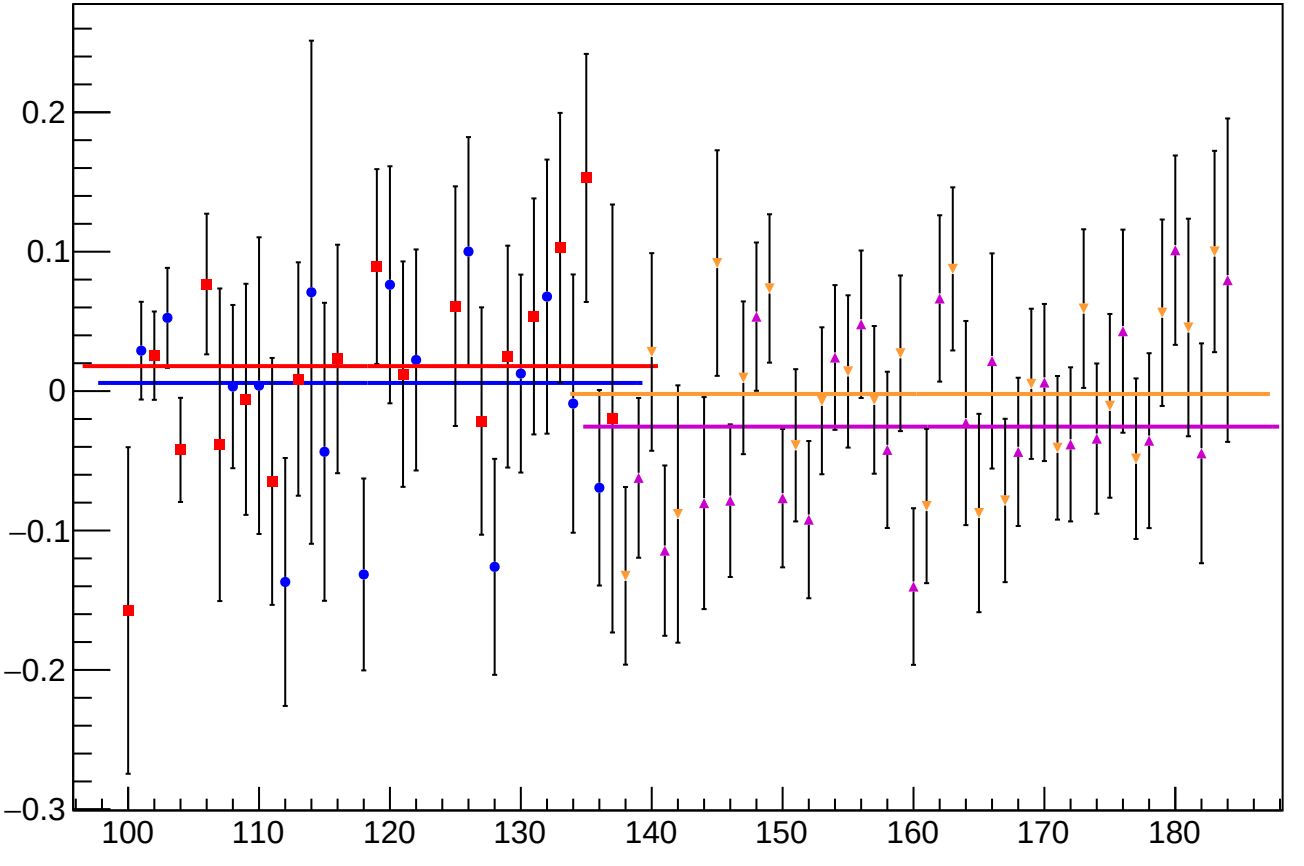
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 48.400+/-0.007 χ^2/NDF:2535266.0/38

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

All: 47.860+/-0.005 χ^2/NDF: 5749056.4/79

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

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

Left In: -0.025+/-0.013 χ^2/NDF:24.3/22

Left: -0.014+/-0.009 χ^2/NDF: 48.7/45

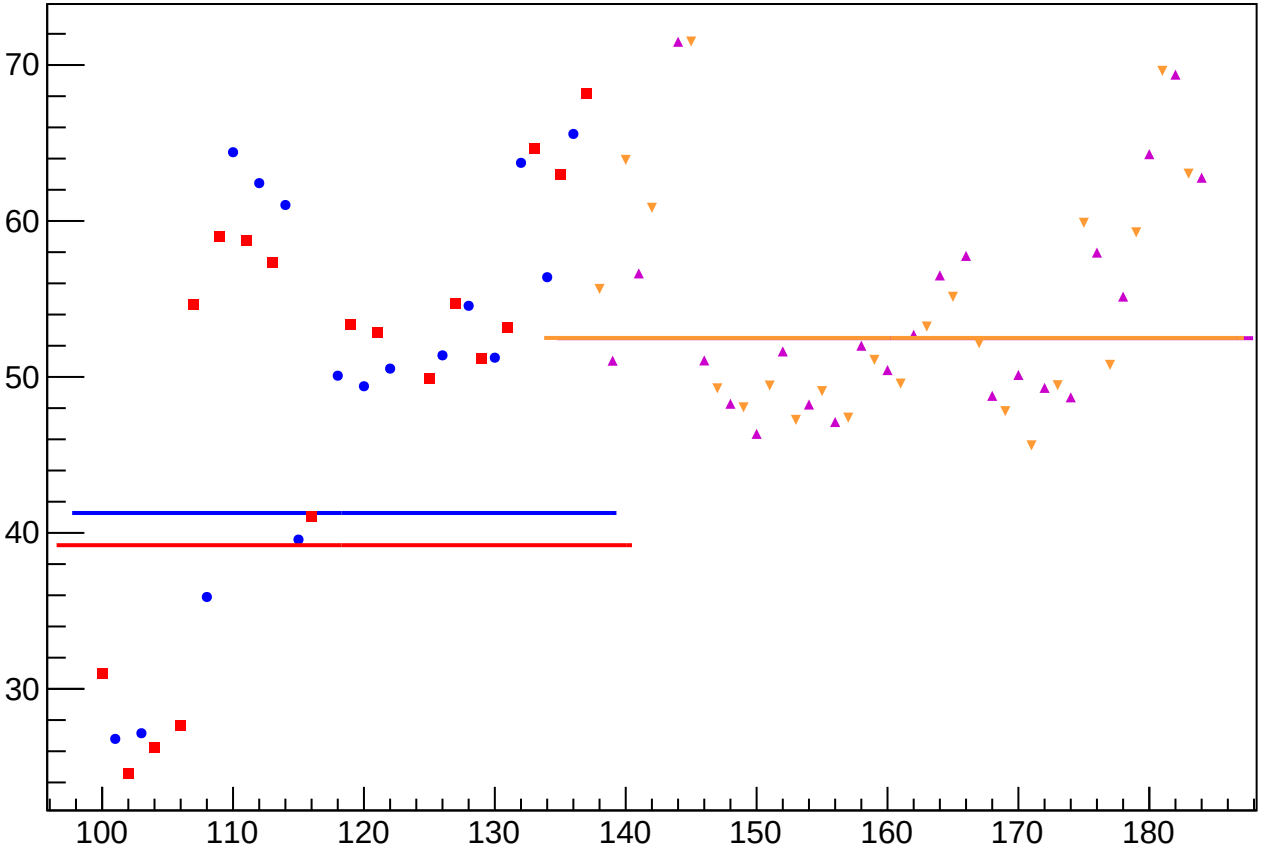
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.014+/-0.010 χ^2/NDF:42.1/38

Out: 0.006+/-0.010 χ^2/NDF:35.9/40

All: -0.004+/-0.007 χ^2/NDF: 80.1/79

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: 52.484+/-0.009 χ^2/NDF:445297.7/22

Left: 52.493+/-0.006 χ^2/NDF: 955192.8/45

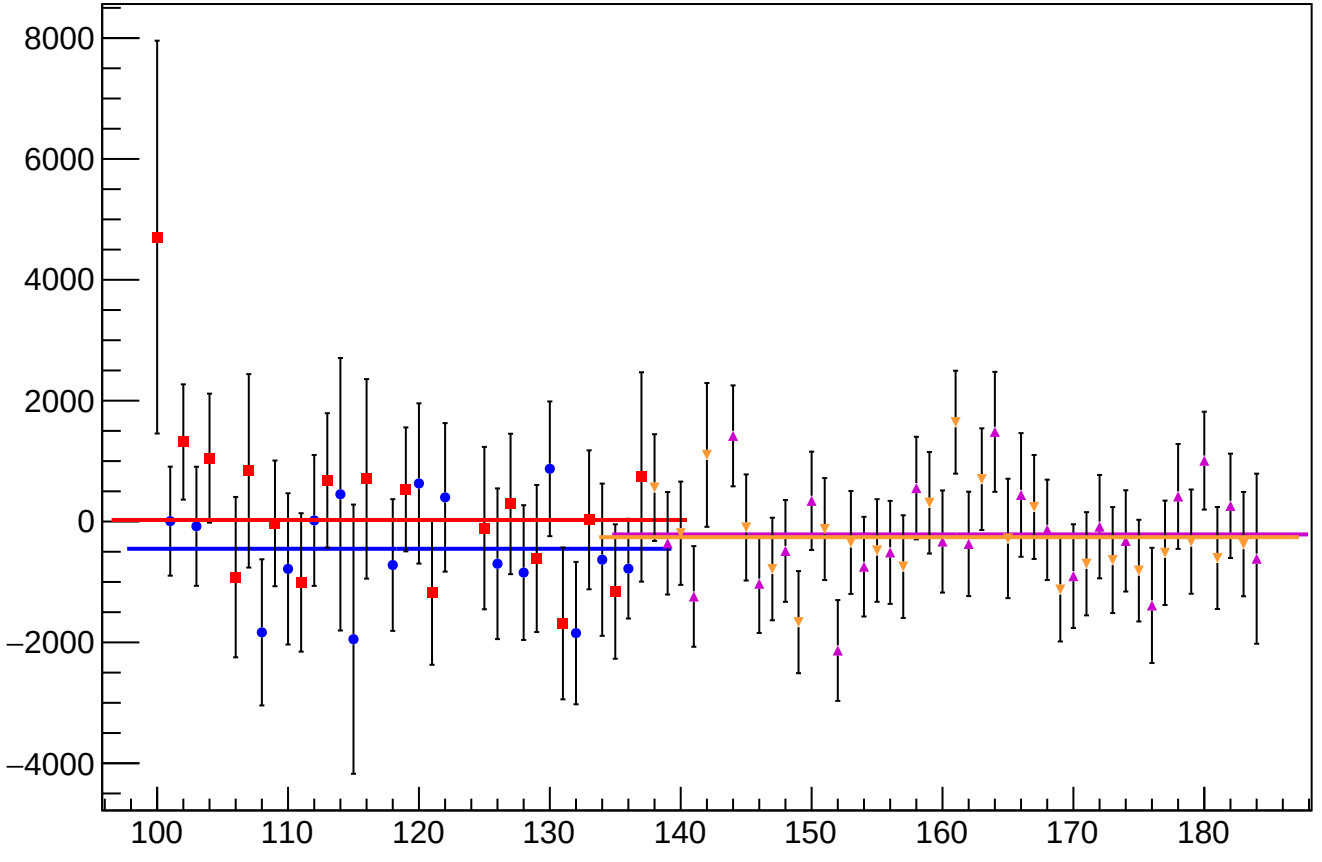
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 48.400+/-0.007 χ^2/NDF:2535266.0/38

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

All: 47.860+/-0.005 χ^2/NDF: 5749056.4/79

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: -213.425+/-181.168 χ^2/NDF:22.4/22

Left: -236.094+/-128.112 χ^2/NDF: 37.5/45

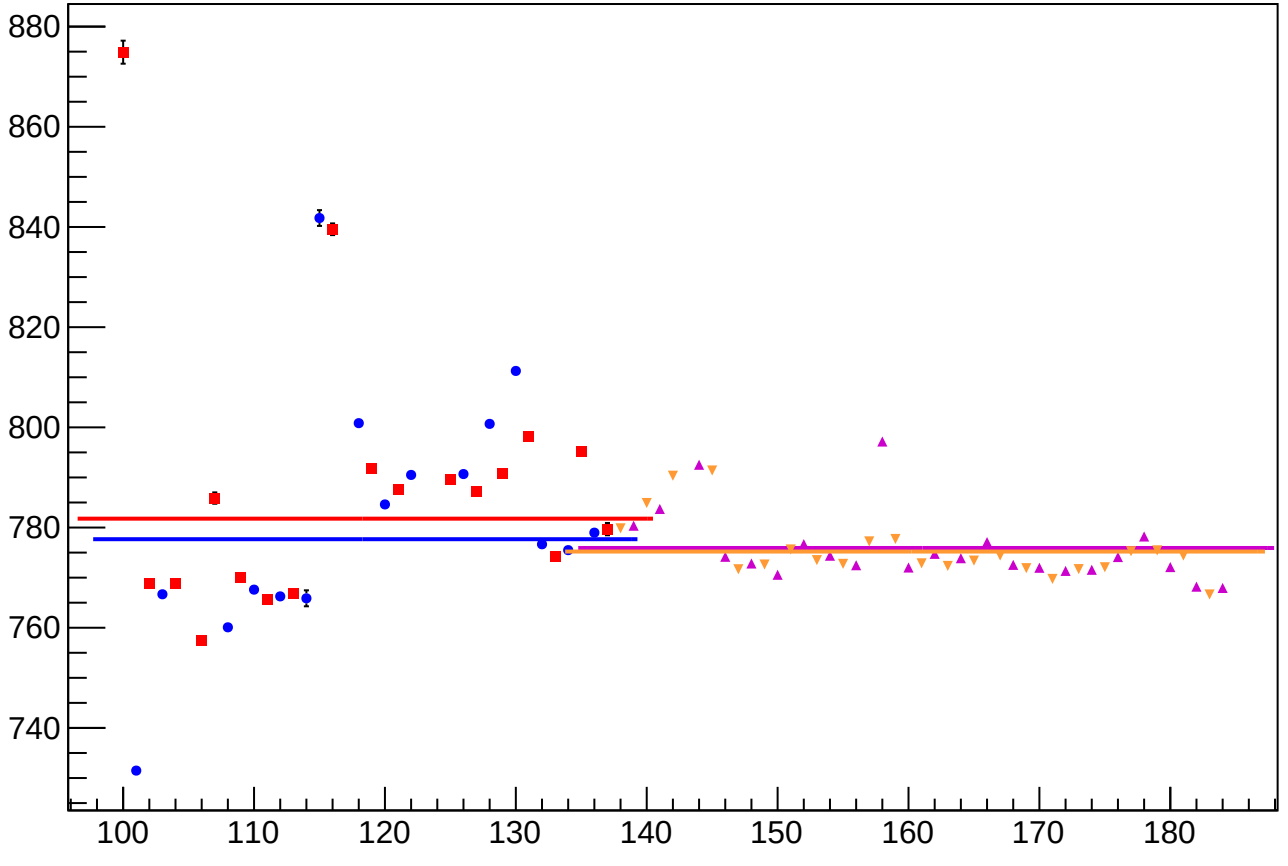
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -280.451+/-153.493 χ^2/NDF:29.8/38

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

All: -229.197+/-108.494 χ^2/NDF: 57.5/79

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: 775.922+/-0.128 χ^2/NDF:2973.0/22

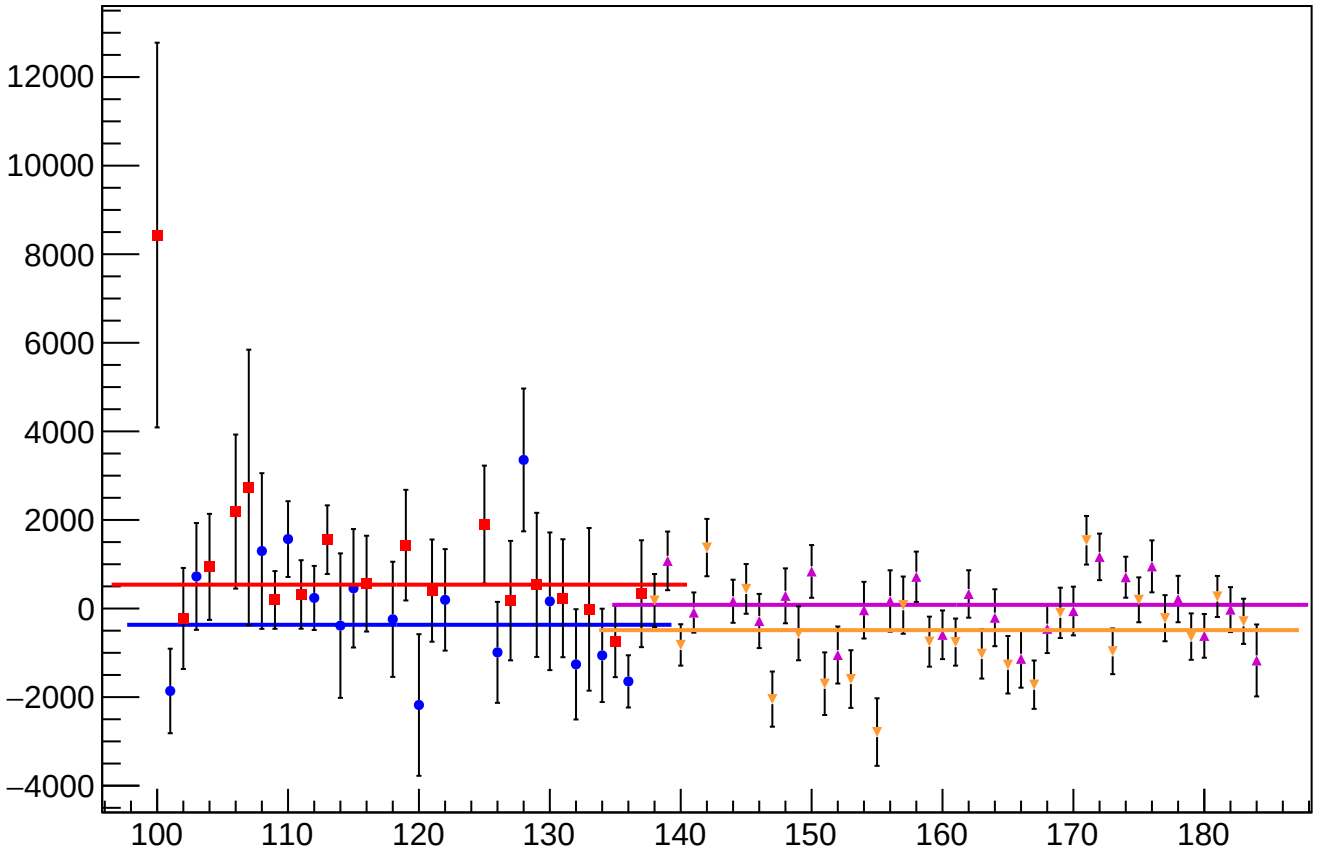
Left: 775.566+/-0.091 χ^2/NDF: 4829.4/45

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

In: 776.416+/-0.109 χ^2/NDF:15081.2/38

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

All: 776.744+/-0.077 χ^2/NDF: 25311.2/79



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: 83.154+/-117.808 χ^2/NDF:28.1/22

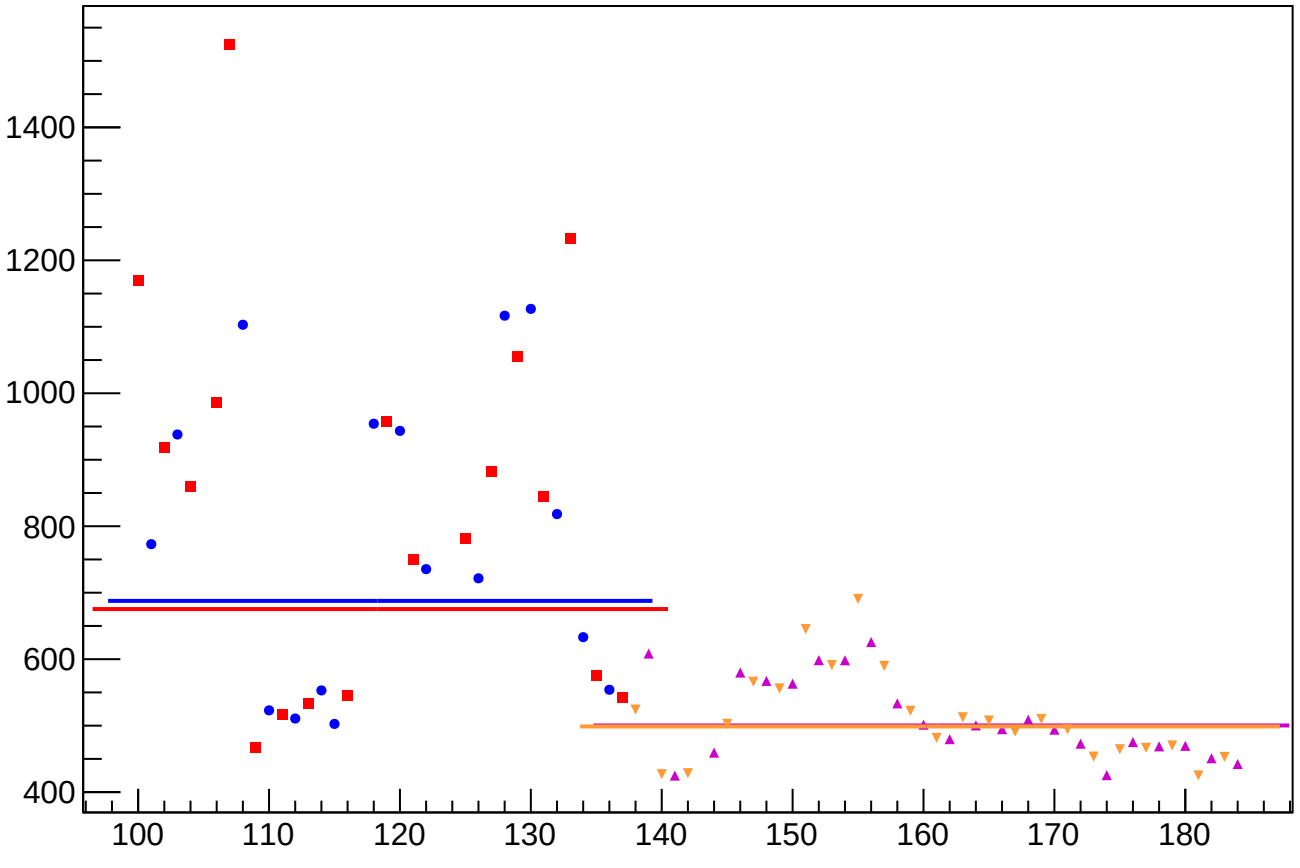
Left: -202.610+/-83.277 χ^2/NDF: 102.5/45

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

In: 9.658+/-107.763 χ^2/NDF:53.8/38

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

All: -153.882+/-76.090 χ^2/NDF: 145.4/79



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: 500.307+/-0.083 χ^2/NDF:477388.4/22

Left: 499.549+/-0.059 χ^2/NDF: 998845.0/45

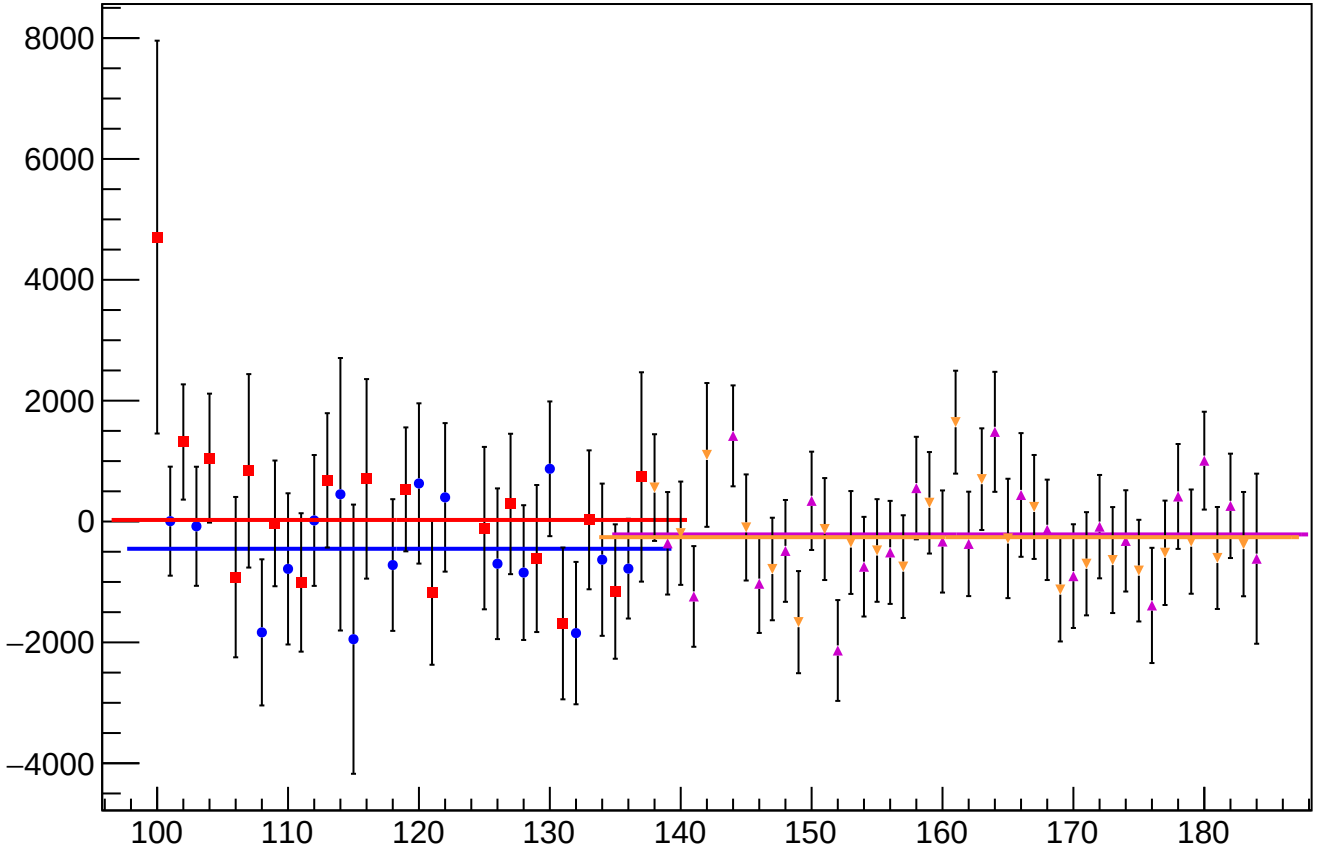
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 530.904+/-0.076 χ^2/NDF:2335642.6/38

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

All: 529.597+/-0.054 χ^2/NDF: 4922338.5/79

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: -213.425+/-181.168 χ^2/NDF:22.4/22

Left: -236.094+/-128.112 χ^2/NDF: 37.5/45

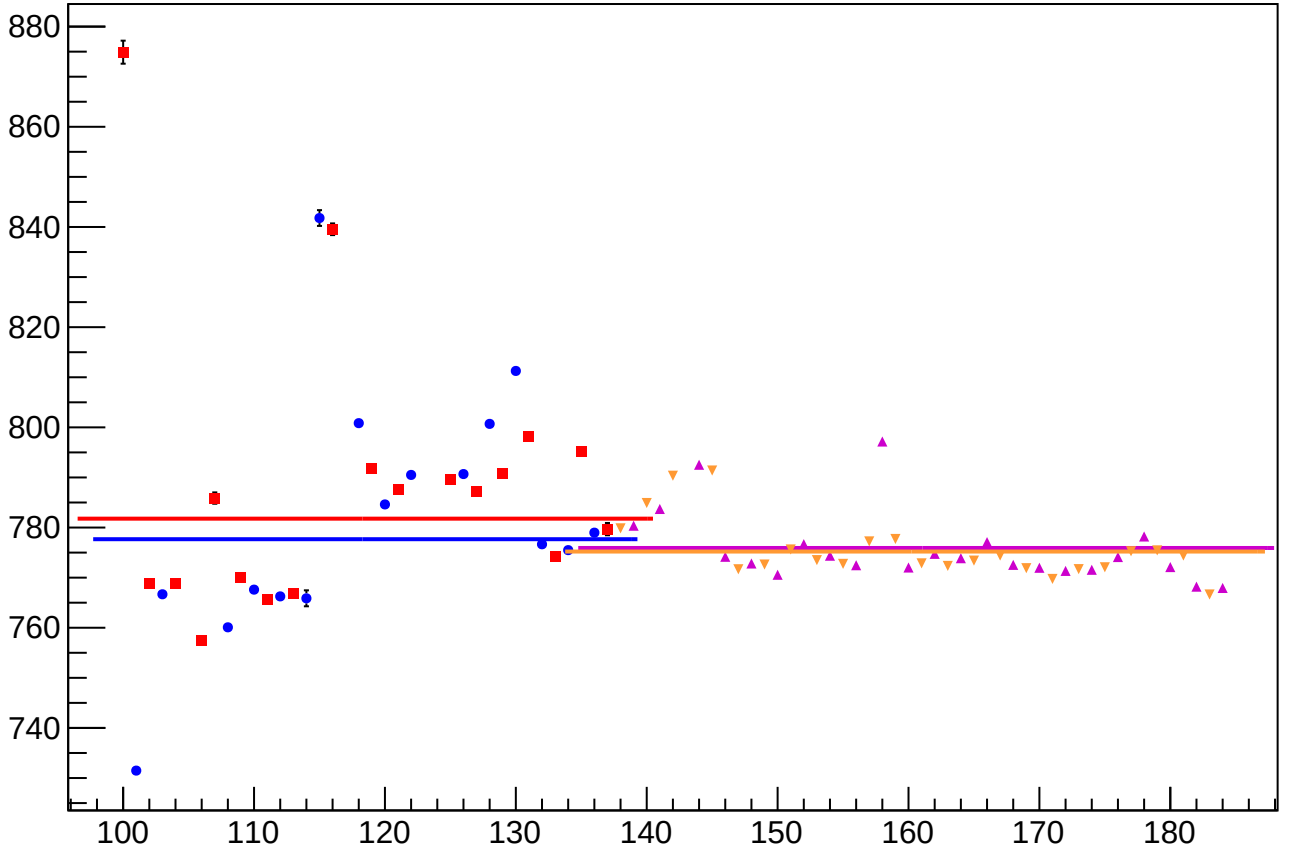
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -280.451+/-153.493 χ^2/NDF:29.8/38

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

All: -229.197+/-108.494 χ^2/NDF: 57.5/79

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: 775.922+/-0.128 χ^2/NDF:2973.0/22

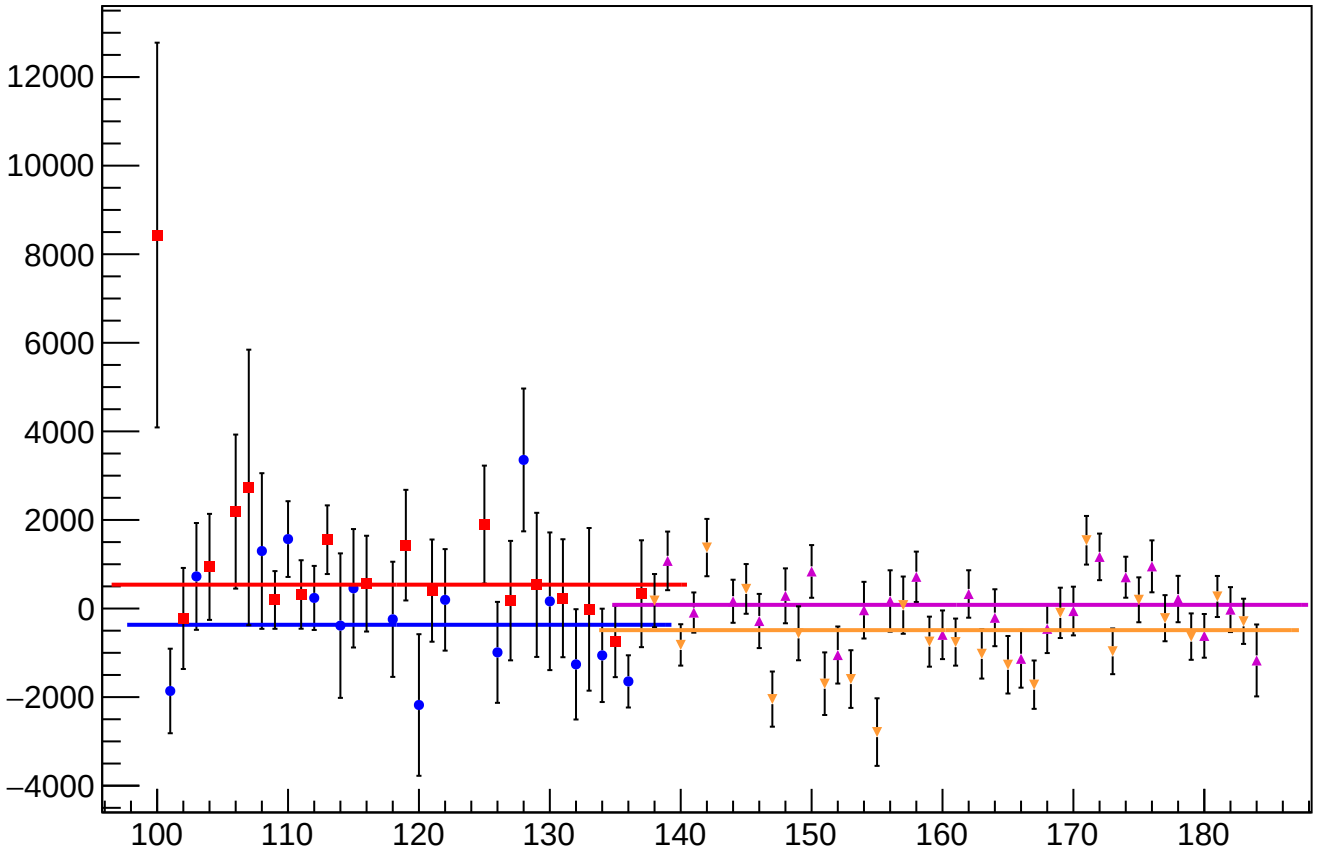
Left: 775.566+/-0.091 χ^2/NDF: 4829.4/45

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

In: 776.416+/-0.109 χ^2/NDF:15081.2/38

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

All: 776.744+/-0.077 χ^2/NDF: 25311.2/79



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: 83.154+/-117.808 χ^2/NDF:28.1/22

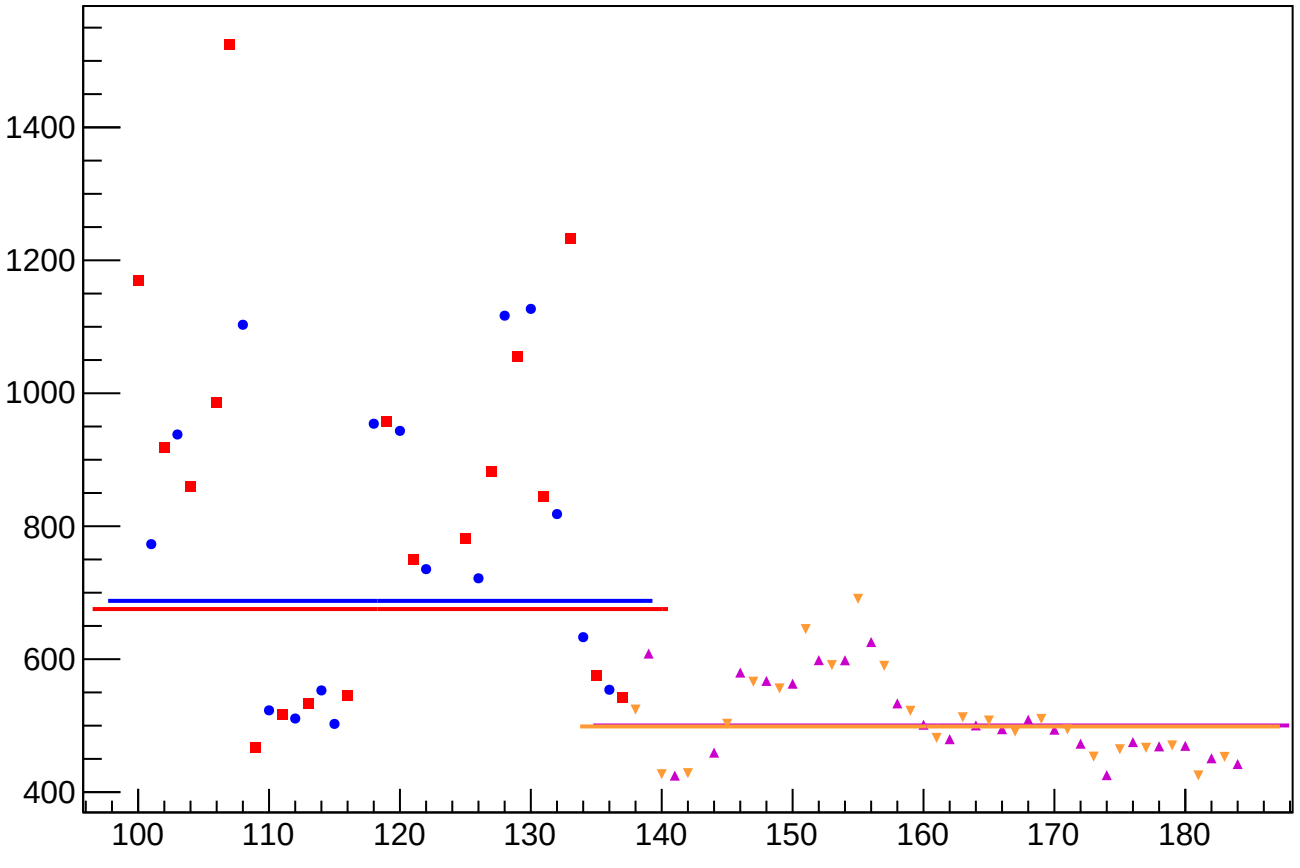
Left: -202.610+/-83.277 χ^2/NDF: 102.5/45

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

In: 9.658+/-107.763 χ^2/NDF:53.8/38

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

All: -153.882+/-76.090 χ^2/NDF: 145.4/79



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: 500.307+/-0.083 χ^2/NDF:477388.4/22

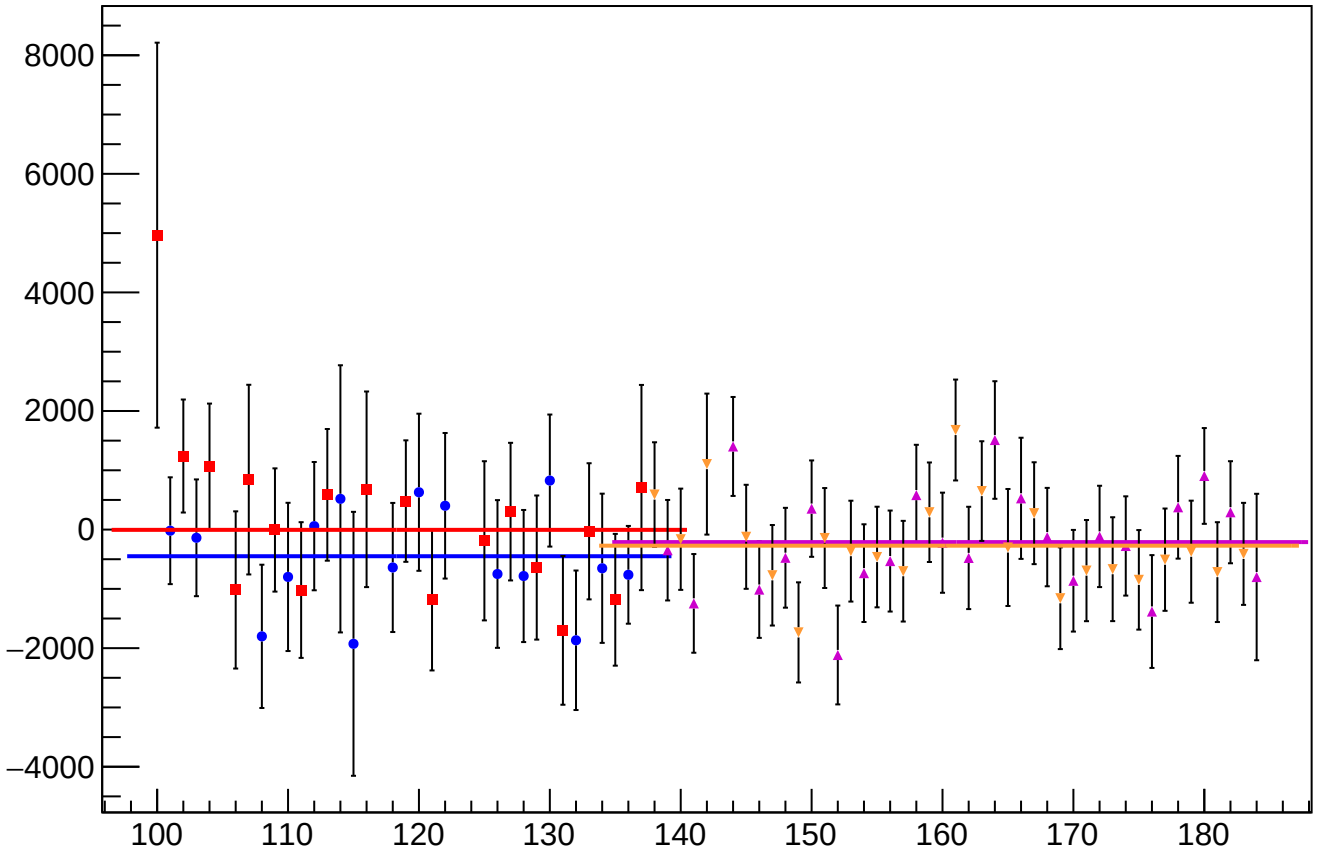
Left: 499.549+/-0.059 χ^2/NDF: 998845.0/45

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

In: 530.904+/-0.076 χ^2/NDF:2335642.6/38

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

All: 529.597+/-0.054 χ^2/NDF: 4922338.5/79



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: -211.238+/-180.951 χ^2/NDF:22.1/22

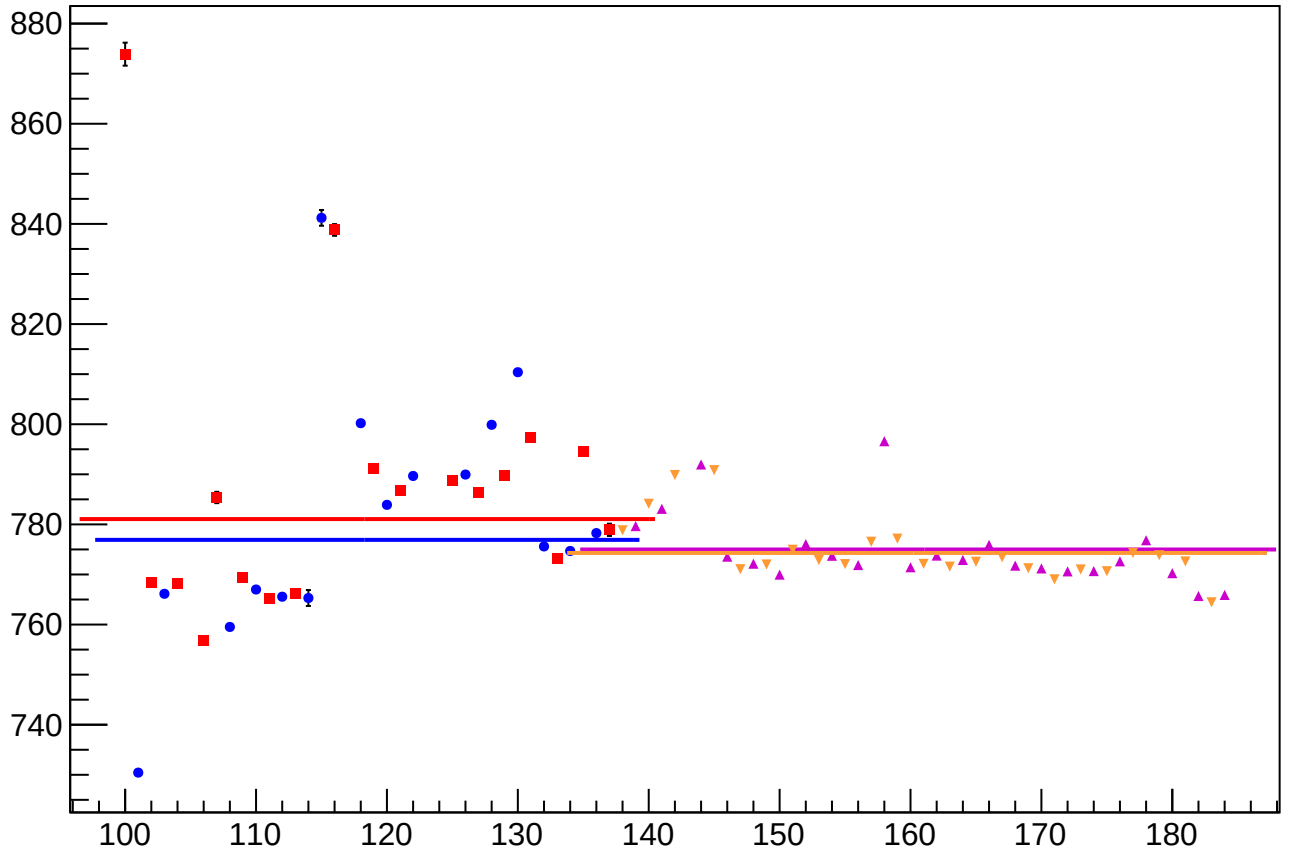
Left: -241.460+/-127.960 χ^2/NDF: 37.9/45

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

In: -278.430+/-153.318 χ^2/NDF:29.4/38

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

All: -237.197+/-108.373 χ^2/NDF: 57.7/79



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: 774.990+/-0.128 χ^2/NDF:3148.2/22

Left: 774.645+/-0.090 χ^2/NDF: 5115.7/45

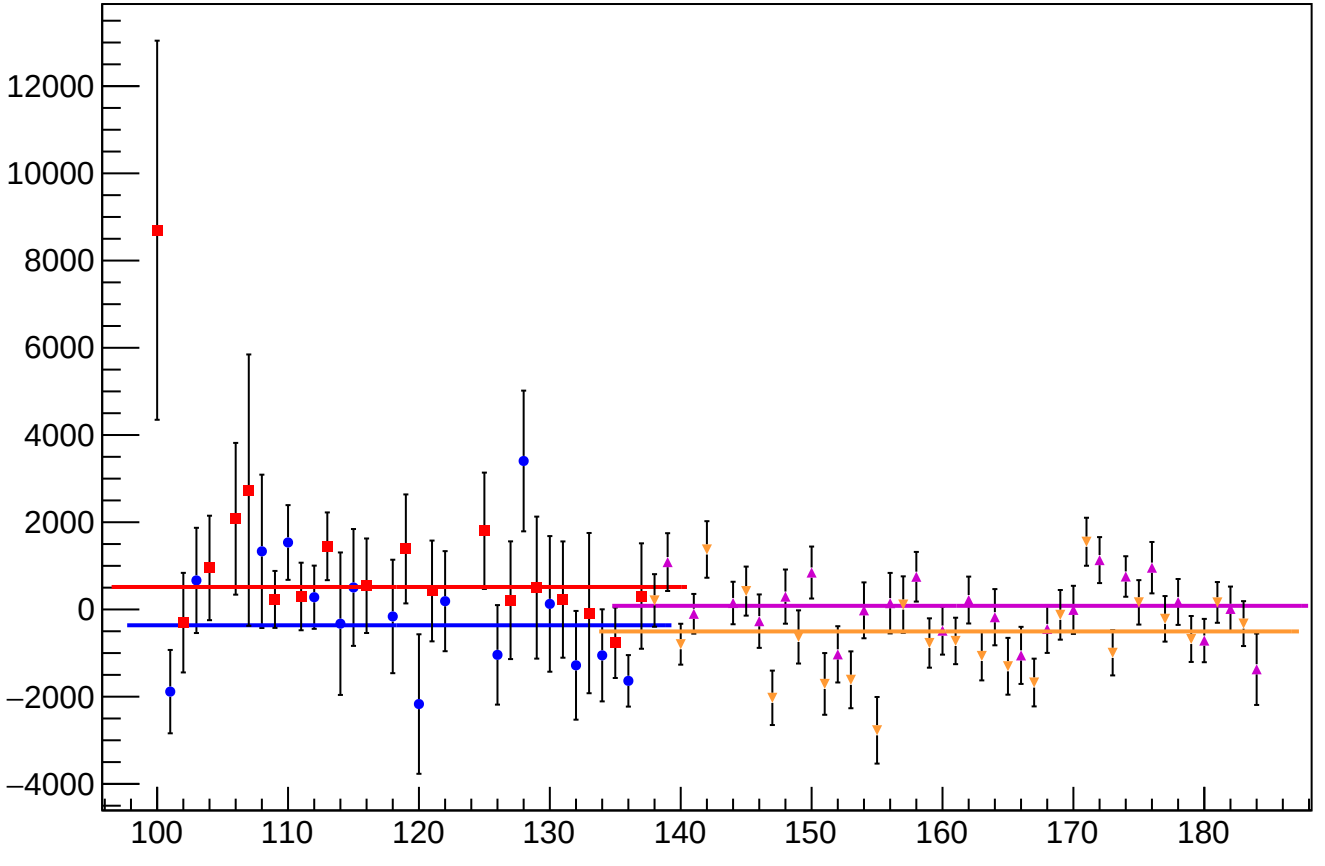
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 775.532+/-0.108 χ^2/NDF:15335.5/38

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

All: 775.874+/-0.077 χ^2/NDF: 25685.0/79

asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected



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

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

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

Left In: 83.196+/-118.194 χ^2/NDF:28.2/22

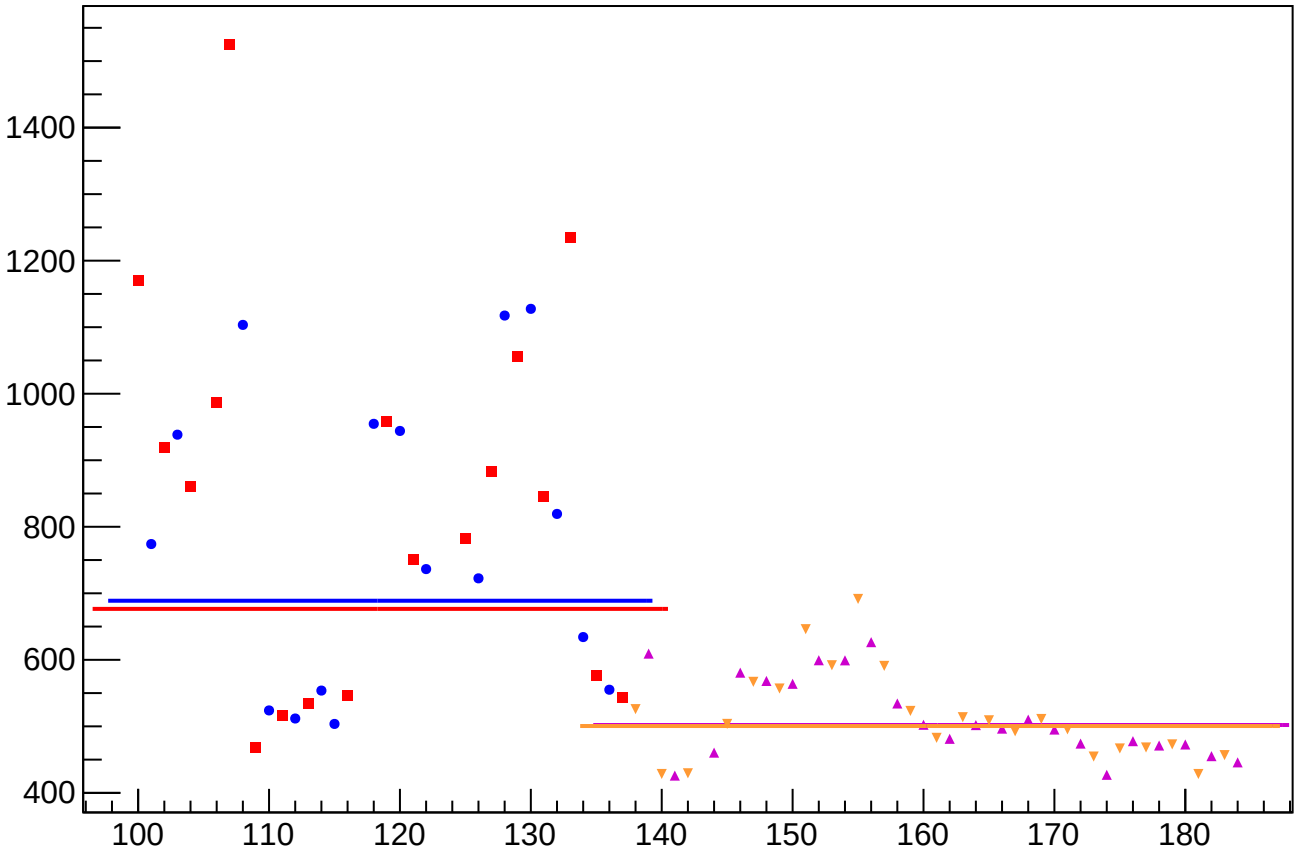
Left: -210.443+/-83.549 χ^2/NDF: 102.0/45

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

In: 10.156+/-108.084 χ^2/NDF:53.9/38

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

All: -161.915+/-76.316 χ^2/NDF: 144.3/79



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: 502.026+/-0.084 χ^2/NDF:467449.2/22

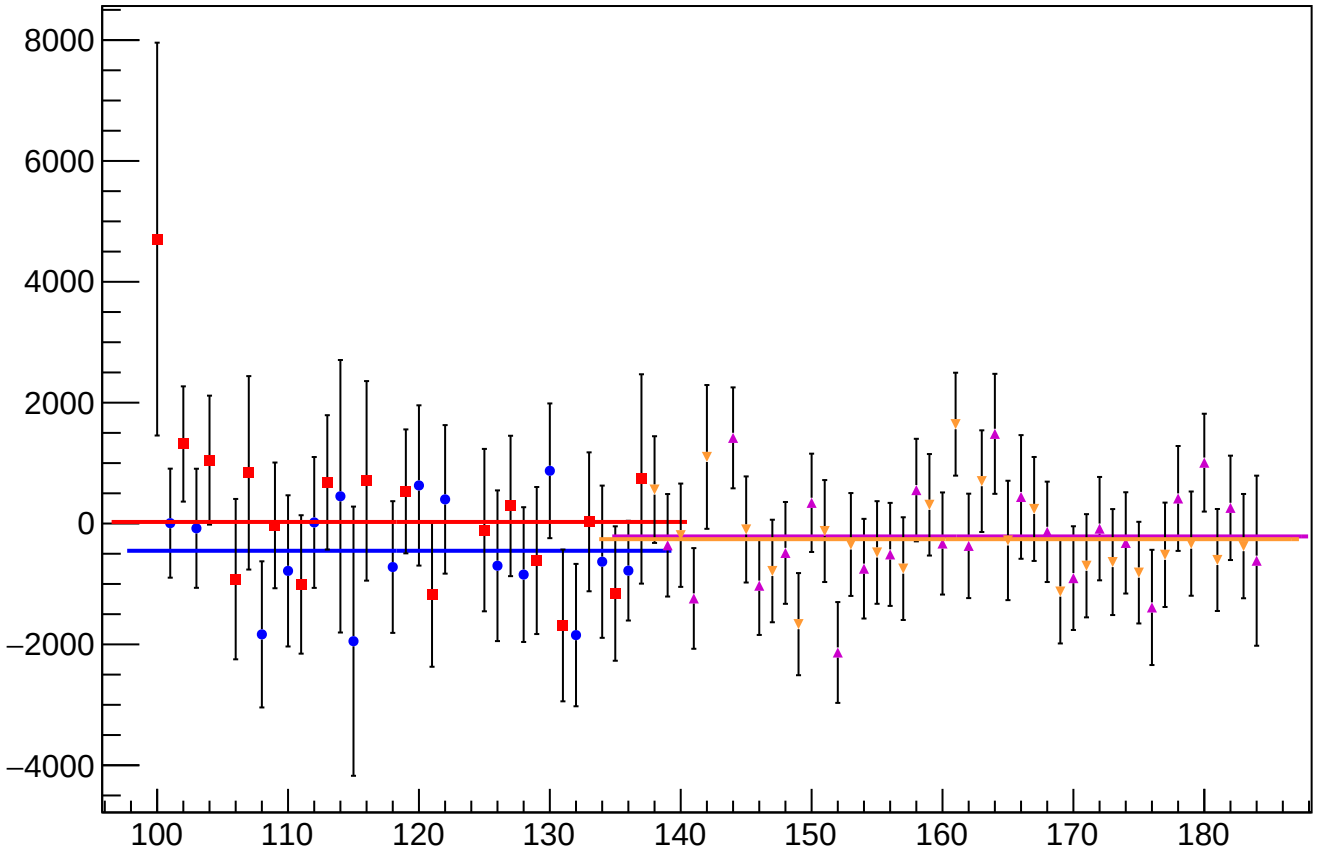
Left: 501.265+/-0.059 χ^2/NDF: 978162.3/45

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

In: 532.618+/-0.076 χ^2/NDF:2313698.2/38

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

All: 531.306+/-0.054 χ^2/NDF: 4877336.5/79



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: -213.425+/-181.168 χ^2/NDF:22.4/22

Left: -236.094+/-128.112 χ^2/NDF: 37.5/45

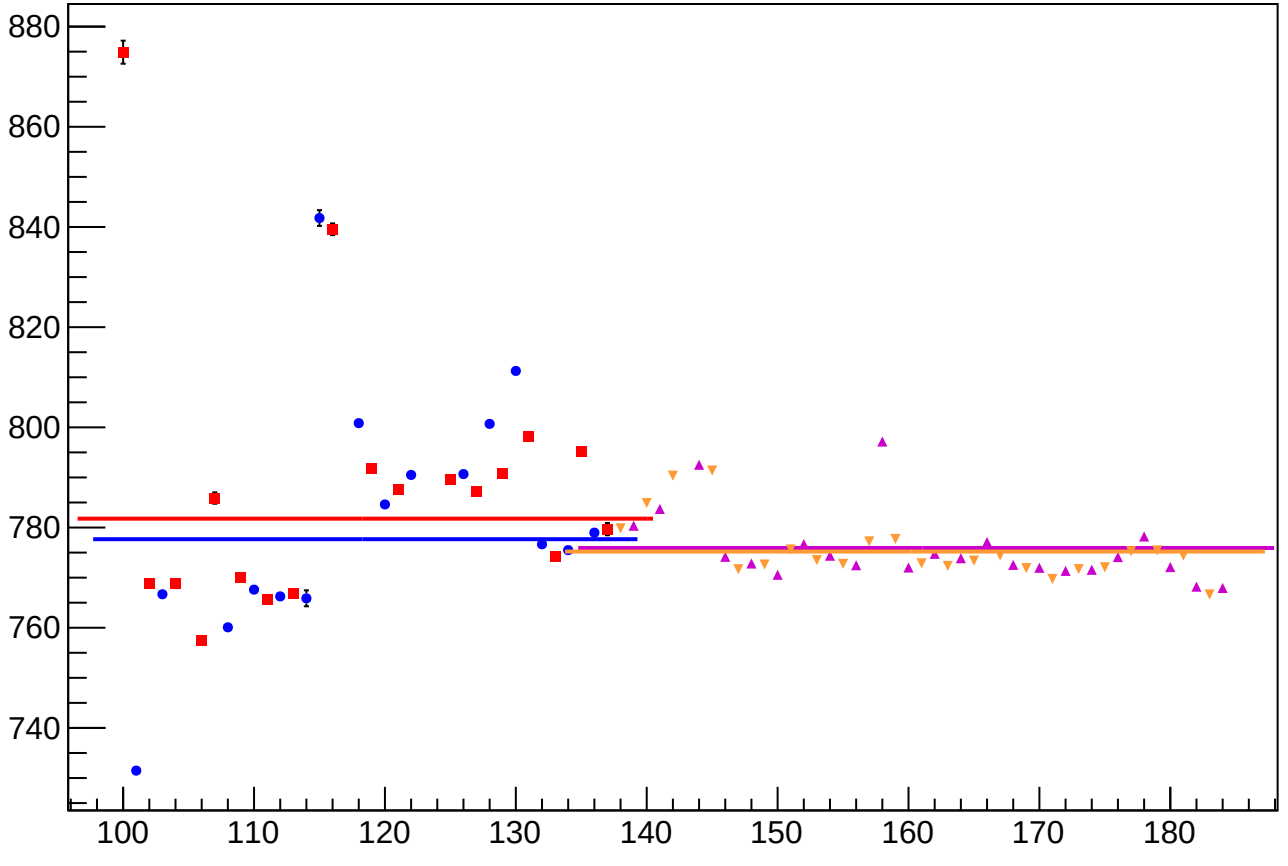
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -280.451+/-153.493 χ^2/NDF:29.8/38

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

All: -229.197+/-108.494 χ^2/NDF: 57.5/79

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: 775.922+/-0.128 χ^2/NDF:2973.0/22

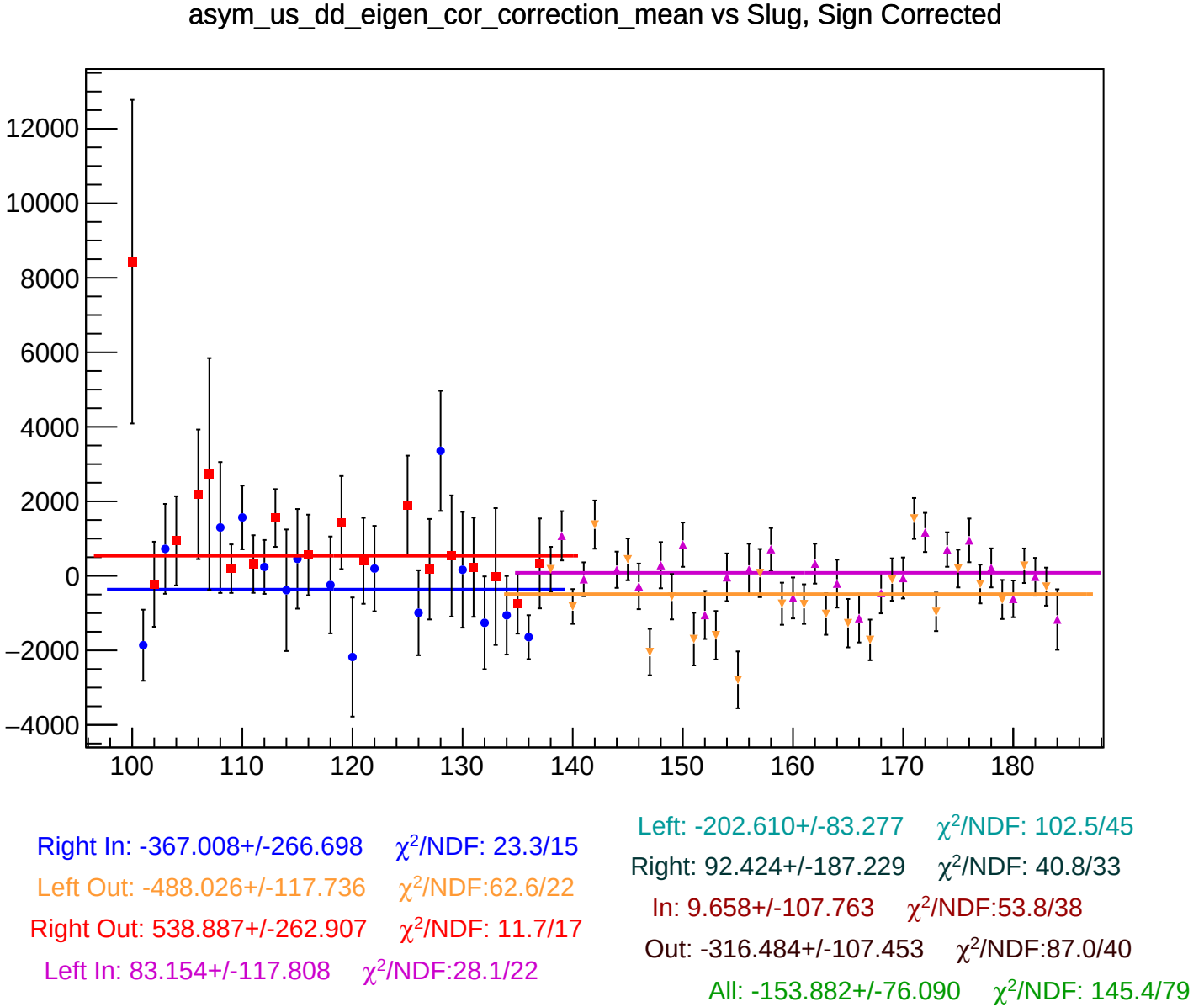
Left: 775.566+/-0.091 χ^2/NDF: 4829.4/45

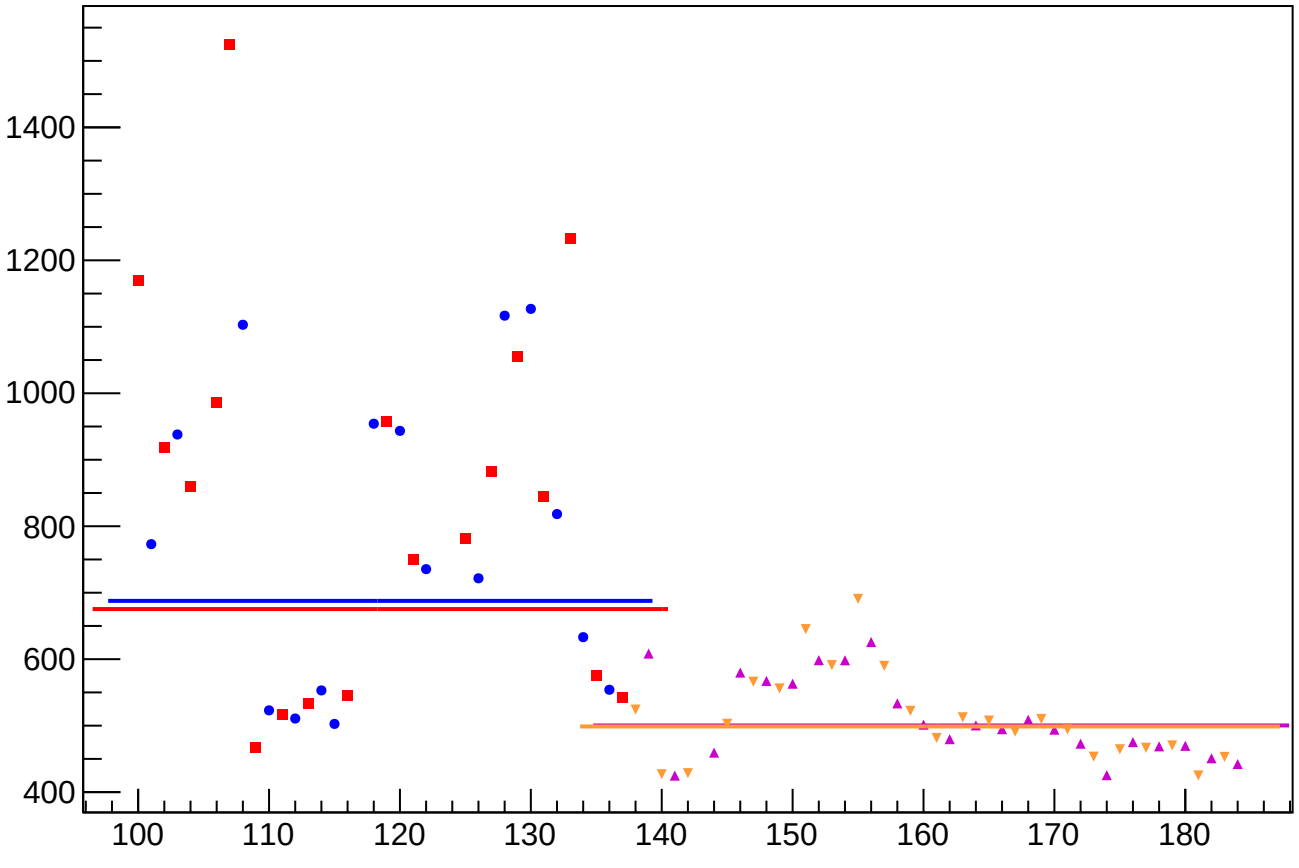
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 776.416+/-0.109 χ^2/NDF:15081.2/38

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

All: 776.744+/-0.077 χ^2/NDF: 25311.2/79


asym_us_dd_eigen_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: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -202.610+/-83.277 χ²/NDF: 102.5/45
Right: 92.424+/-187.229 χ²/NDF: 40.8/33
In: 9.658+/-107.763 χ²/NDF:53.8/38
Out: -316.484+/-107.453 χ²/NDF:87.0/40
All: -153.882+/-76.090 χ²/NDF: 145.4/79



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: 500.307+/-0.083 χ^2/NDF:477388.4/22

Left: 499.549+/-0.059 χ^2/NDF: 998845.0/45

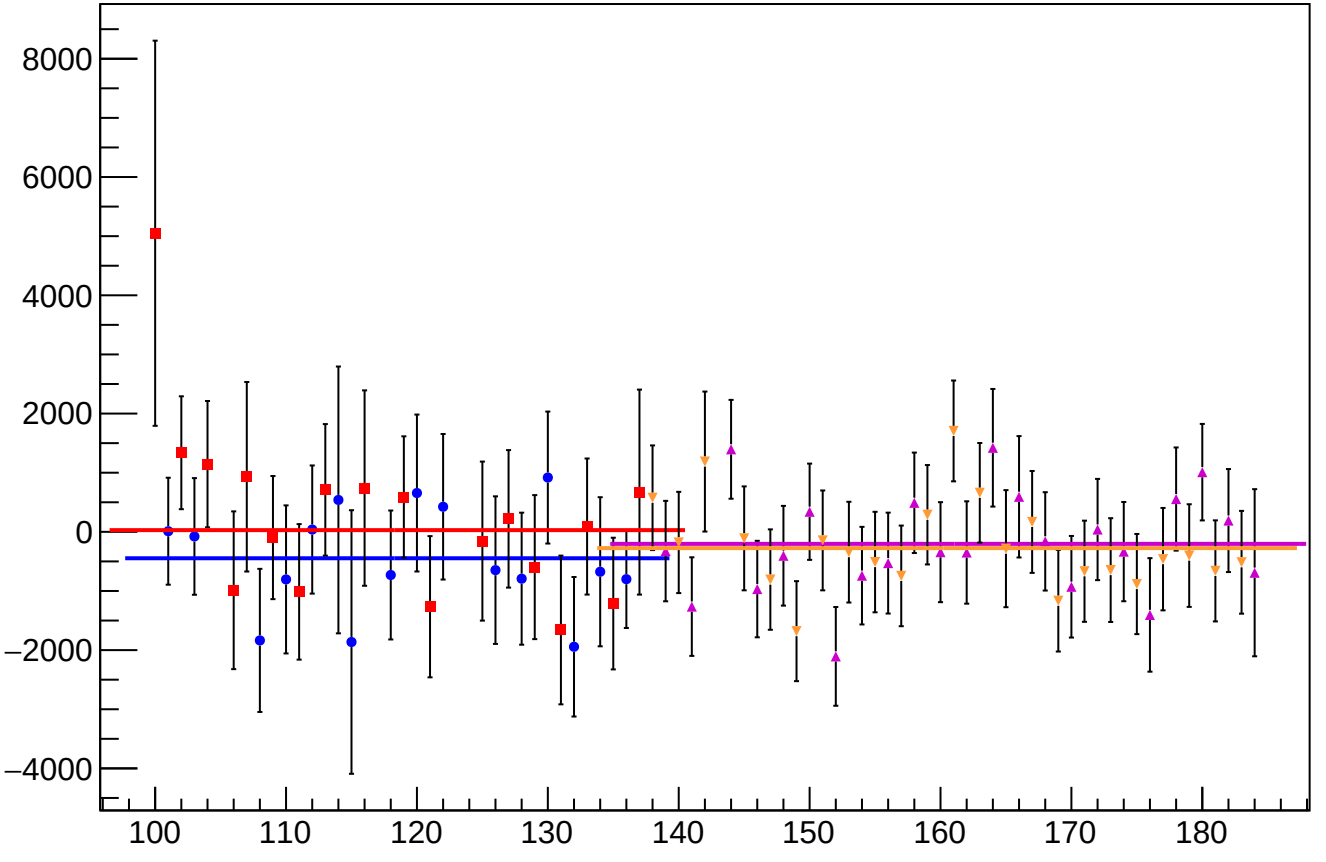
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 530.904+/-0.076 χ^2/NDF:2335642.6/38

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

All: 529.597+/-0.054 χ^2/NDF: 4922338.5/79

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: -203.339+/-181.548 χ^2/NDF:22.1/22

Left: -239.396+/-128.390 χ^2/NDF: 37.9/45

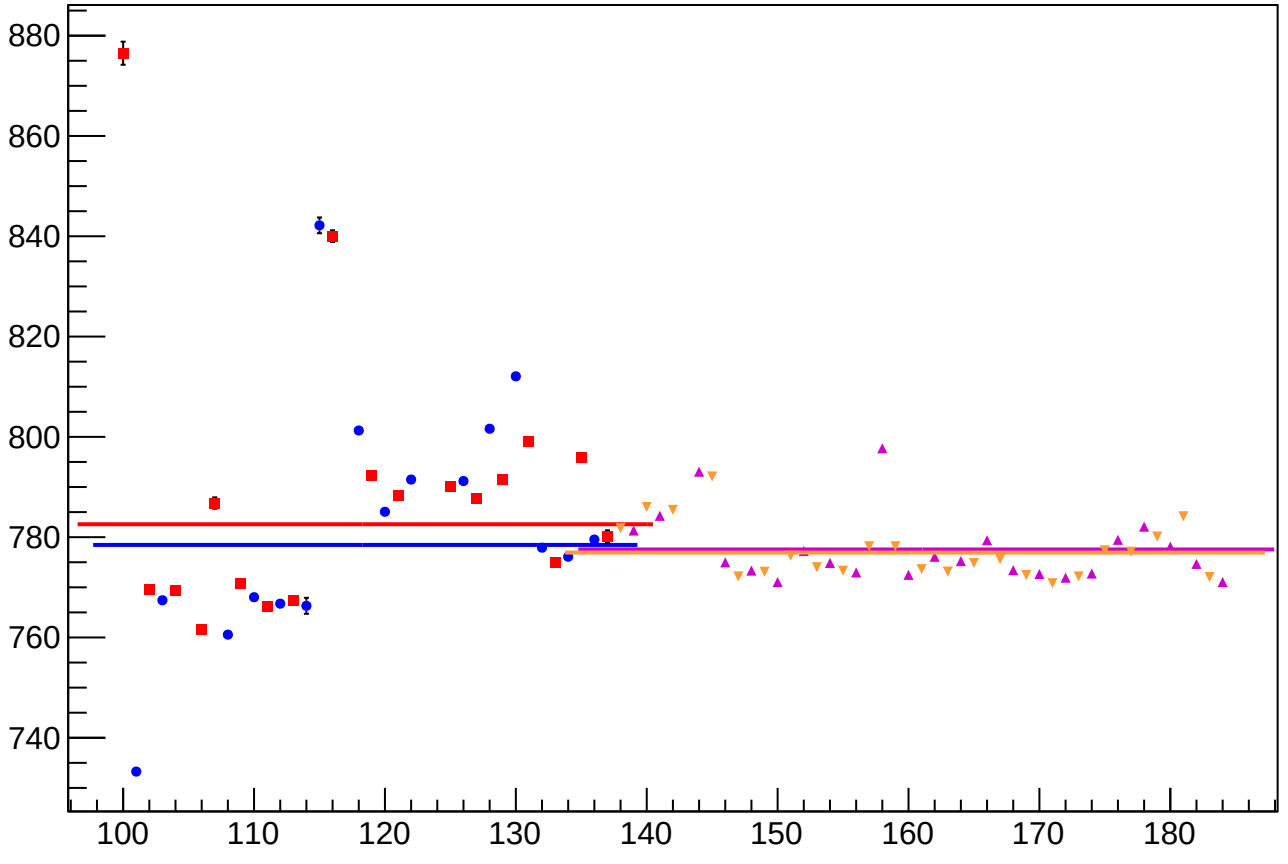
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -272.108+/-153.767 χ^2/NDF:29.9/38

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

All: -230.565+/-108.694 χ^2/NDF: 59.2/79

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: 777.550+/-0.128 χ^2/NDF:2750.7/22

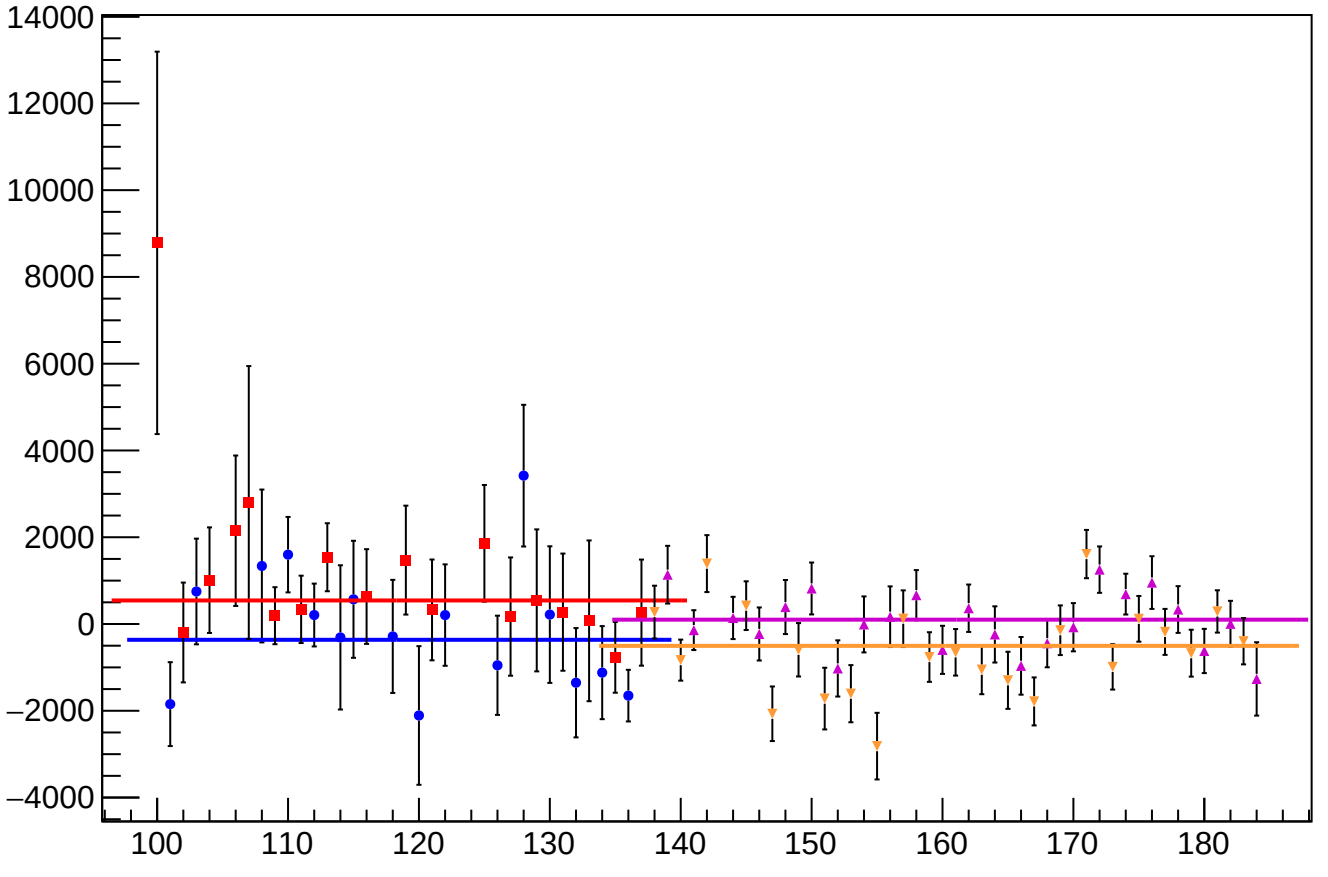
Left: 777.240+/-0.091 χ^2/NDF: 4454.9/45

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

In: 777.806+/-0.109 χ^2/NDF:14560.0/38

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

All: 778.169+/-0.077 χ^2/NDF: 24305.2/79



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: 99.985+/-119.677 χ^2/NDF:27.4/22

Left: -201.333+/-84.681 χ^2/NDF: 103.5/45

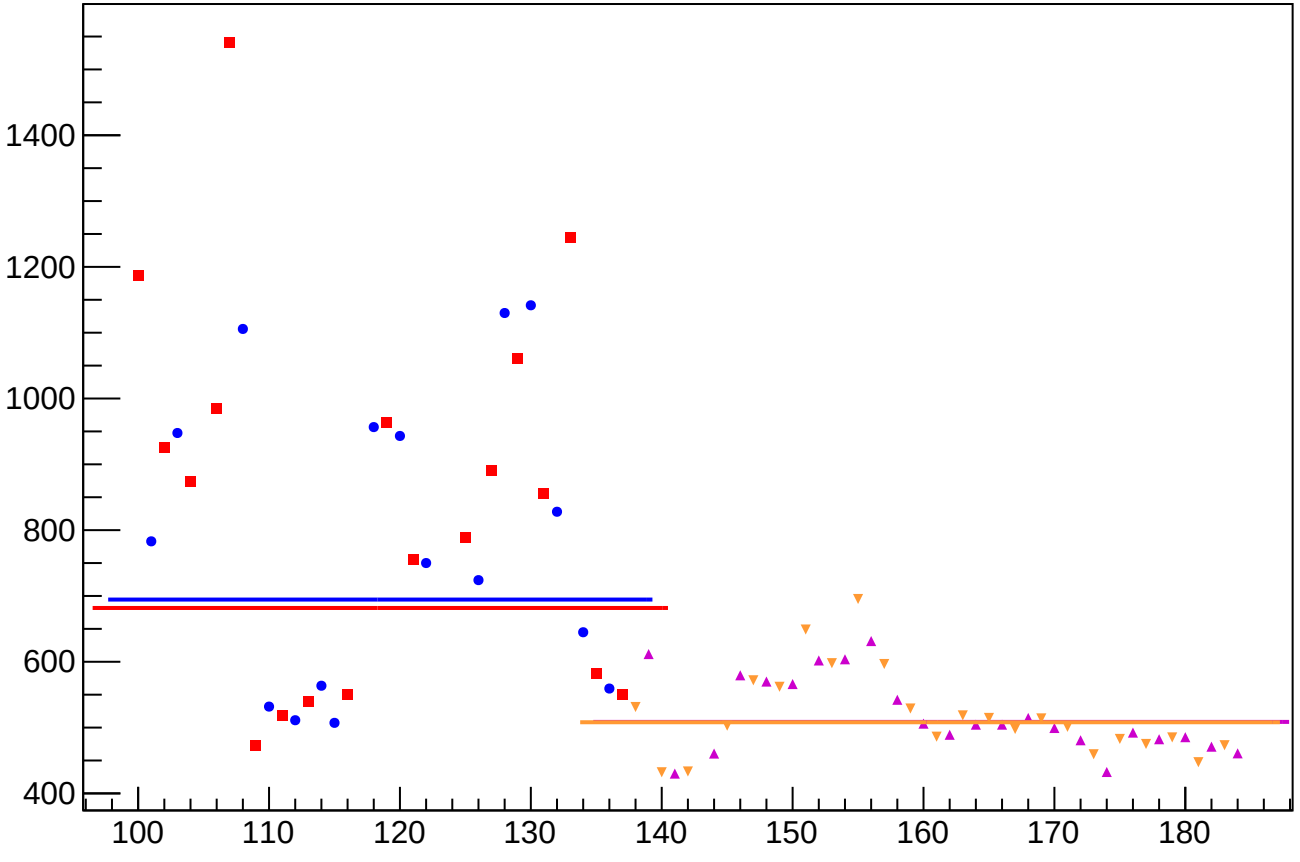
Right: 96.308+/-188.989 χ^2/NDF: 40.8/33

In: 23.476+/-109.365 χ^2/NDF:53.2/38

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

All: -151.568+/-77.278 χ^2/NDF: 146.4/79

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: 508.638+/-0.085 χ^2/NDF:432447.1/22

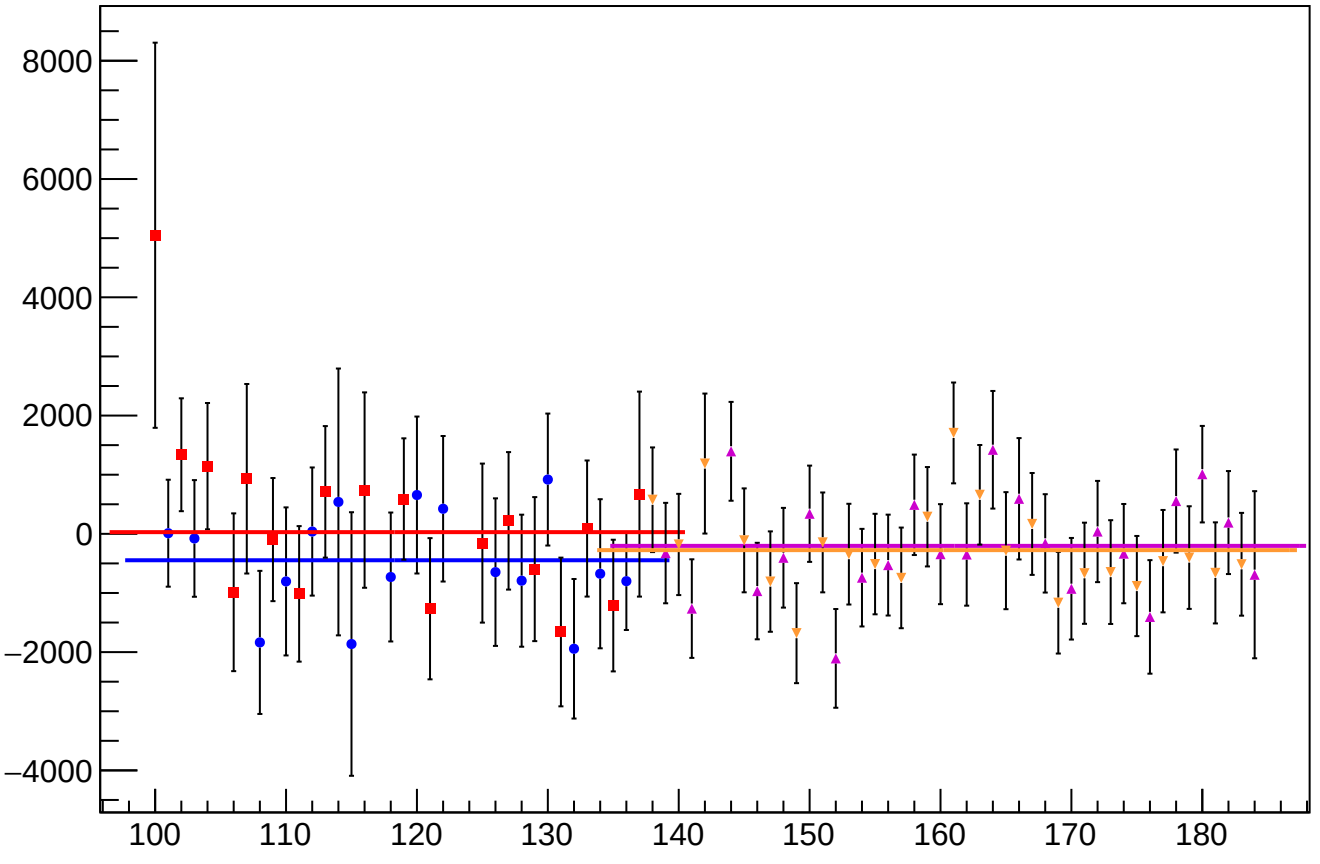
Left: 508.377+/-0.060 χ^2/NDF: 901307.4/45

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

In: 539.291+/-0.077 χ^2/NDF:2257991.0/38

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

All: 538.415+/-0.055 χ^2/NDF: 4750013.0/79



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: -203.338+/-181.548 χ^2/NDF:22.1/22

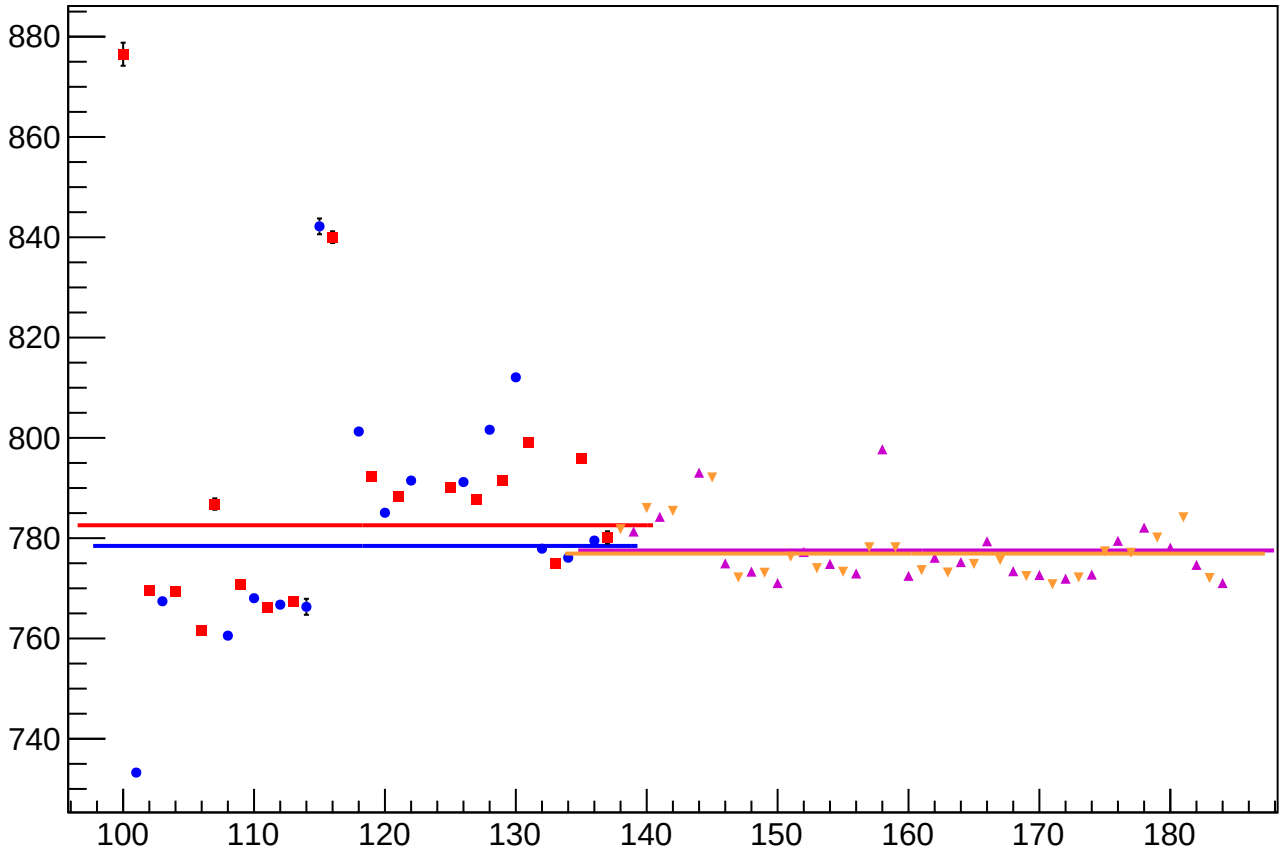
Left: -239.396+/-128.390 χ^2/NDF: 37.9/45

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

In: -272.107+/-153.767 χ^2/NDF:29.9/38

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

All: -230.565+/-108.694 χ^2/NDF: 59.2/79



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: 777.550+/-0.128 χ^2/NDF:2750.7/22

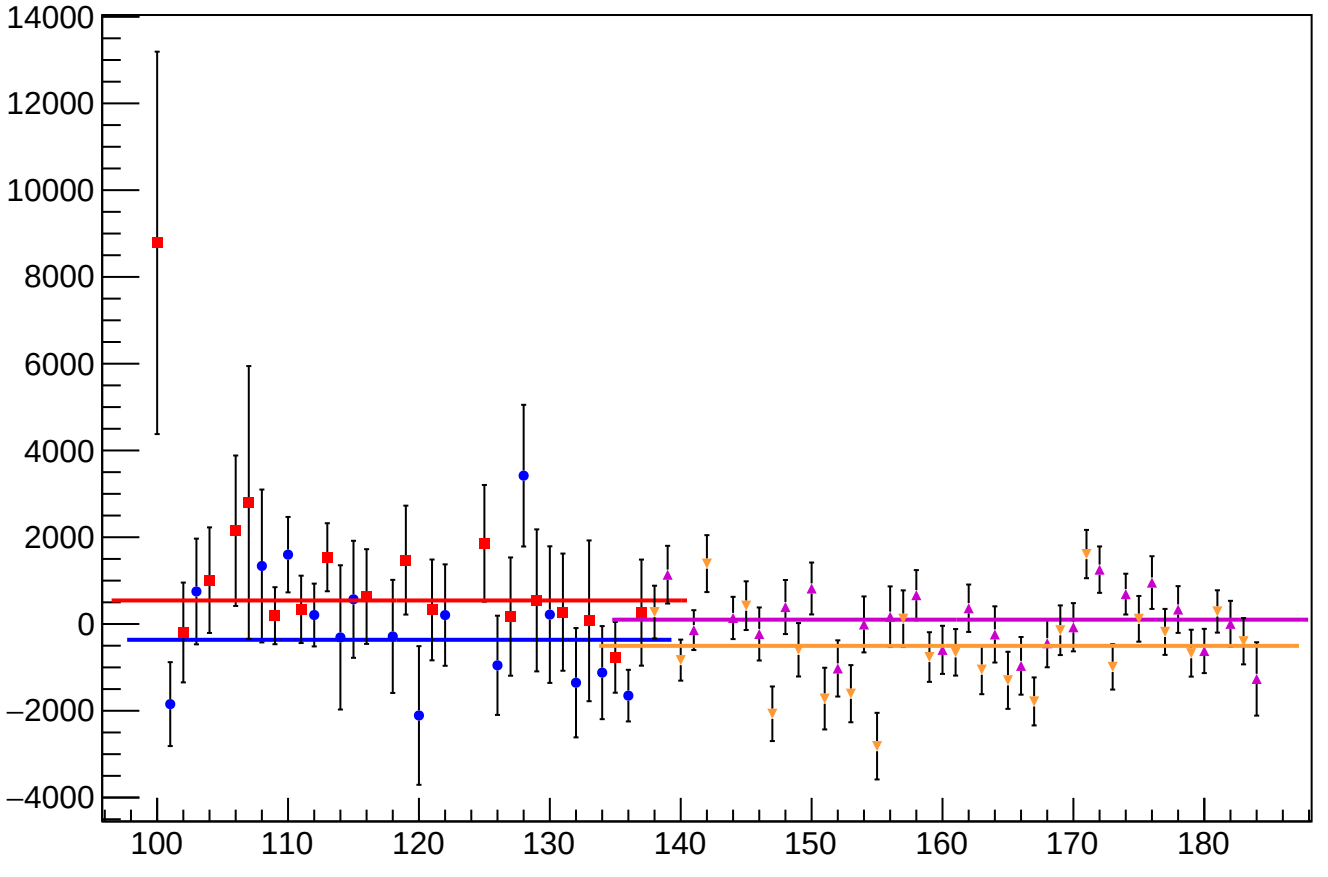
Left: 777.240+/-0.091 χ^2/NDF: 4454.9/45

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

In: 777.806+/-0.109 χ^2/NDF:14560.0/38

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

All: 778.169+/-0.077 χ^2/NDF: 24305.2/79



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: 99.985+/-119.677 χ^2/NDF:27.4/22

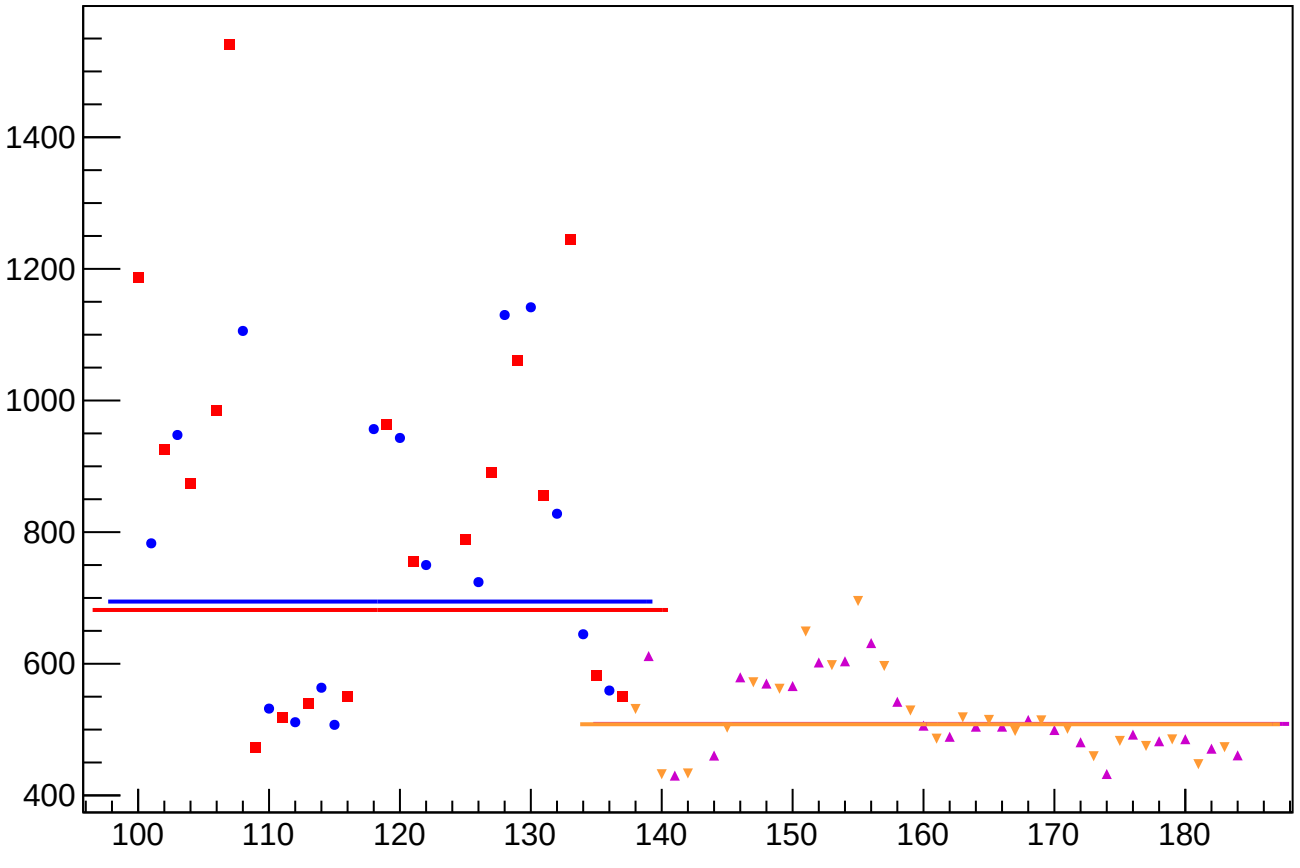
Left: -201.333+/-84.681 χ^2/NDF: 103.5/45

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

In: 23.476+/-109.365 χ^2/NDF:53.2/38

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

All: -151.567+/-77.278 χ^2/NDF: 146.4/79



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: 508.638+/-0.085 χ^2/NDF:432461.7/22

Left: 508.377+/-0.060 χ^2/NDF: 901332.0/45

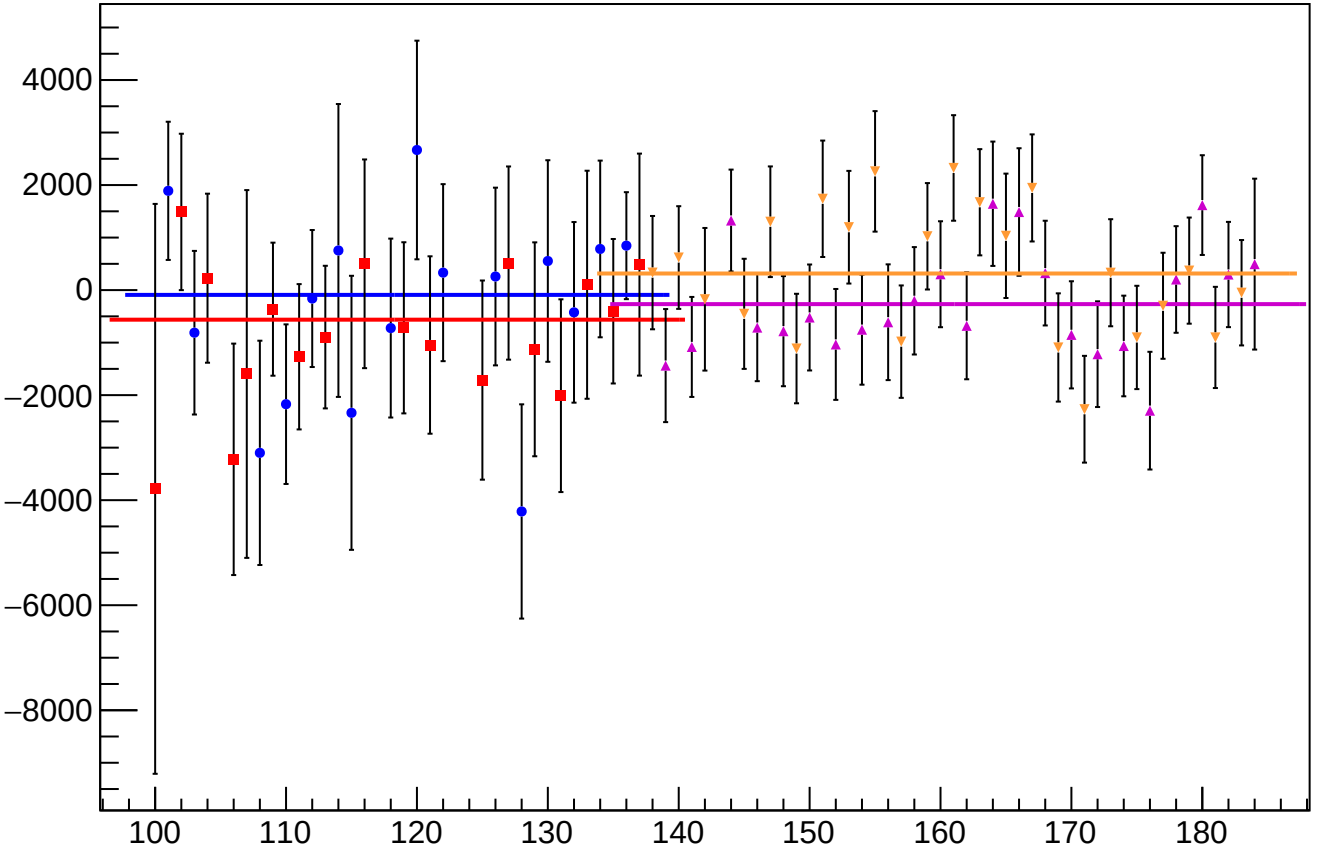
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 539.291+/-0.077 χ^2/NDF:2257994.2/38

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

All: 538.415+/-0.055 χ^2/NDF: 4750022.6/79

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: -267.059+/-217.685 χ^2/NDF:21.4/22

Left: 24.049+/-154.027 χ^2/NDF: 56.3/45

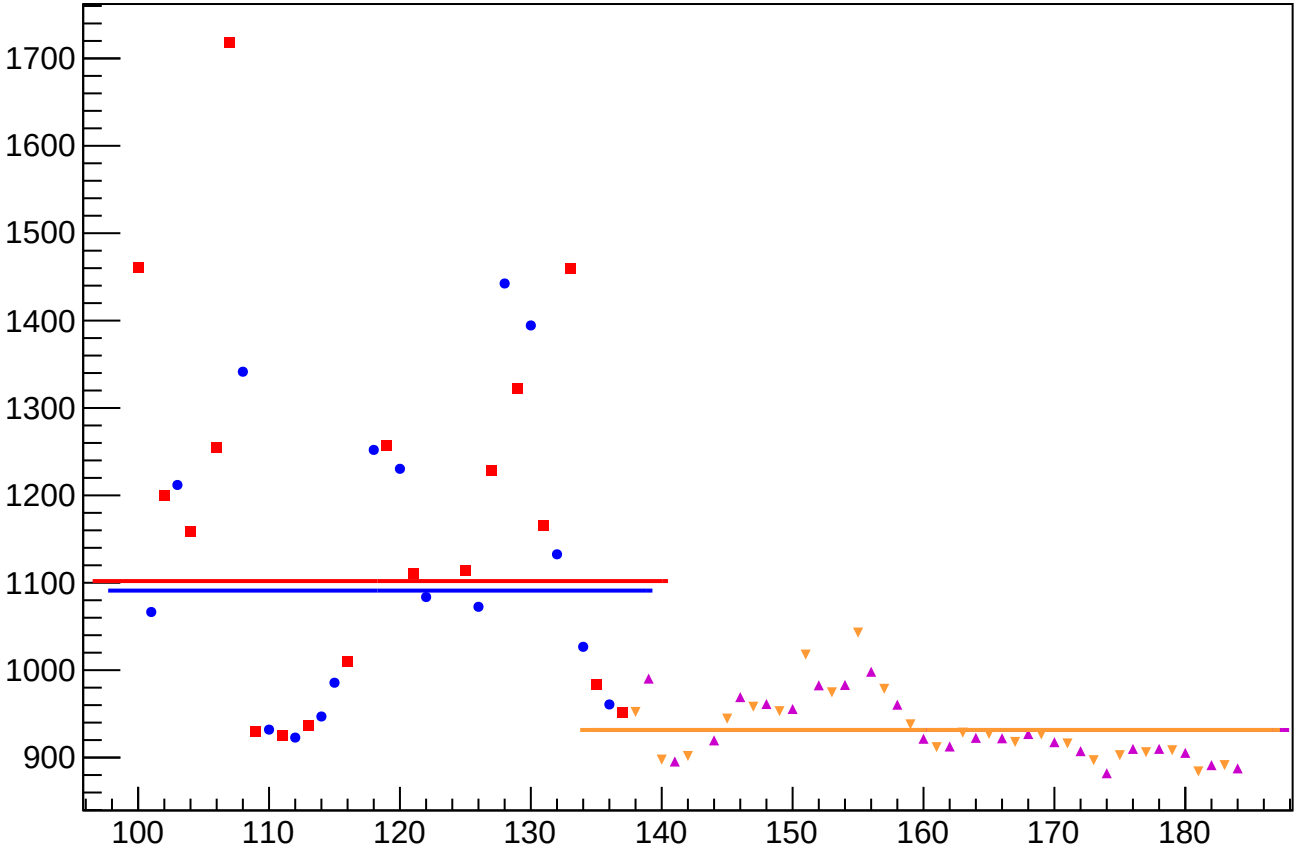
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -228.404+/-192.261 χ^2/NDF:36.0/38

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

All: -52.868+/-136.077 χ^2/NDF: 79.2/79

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: 931.562+/-0.154 χ^2/NDF:48916.1/22

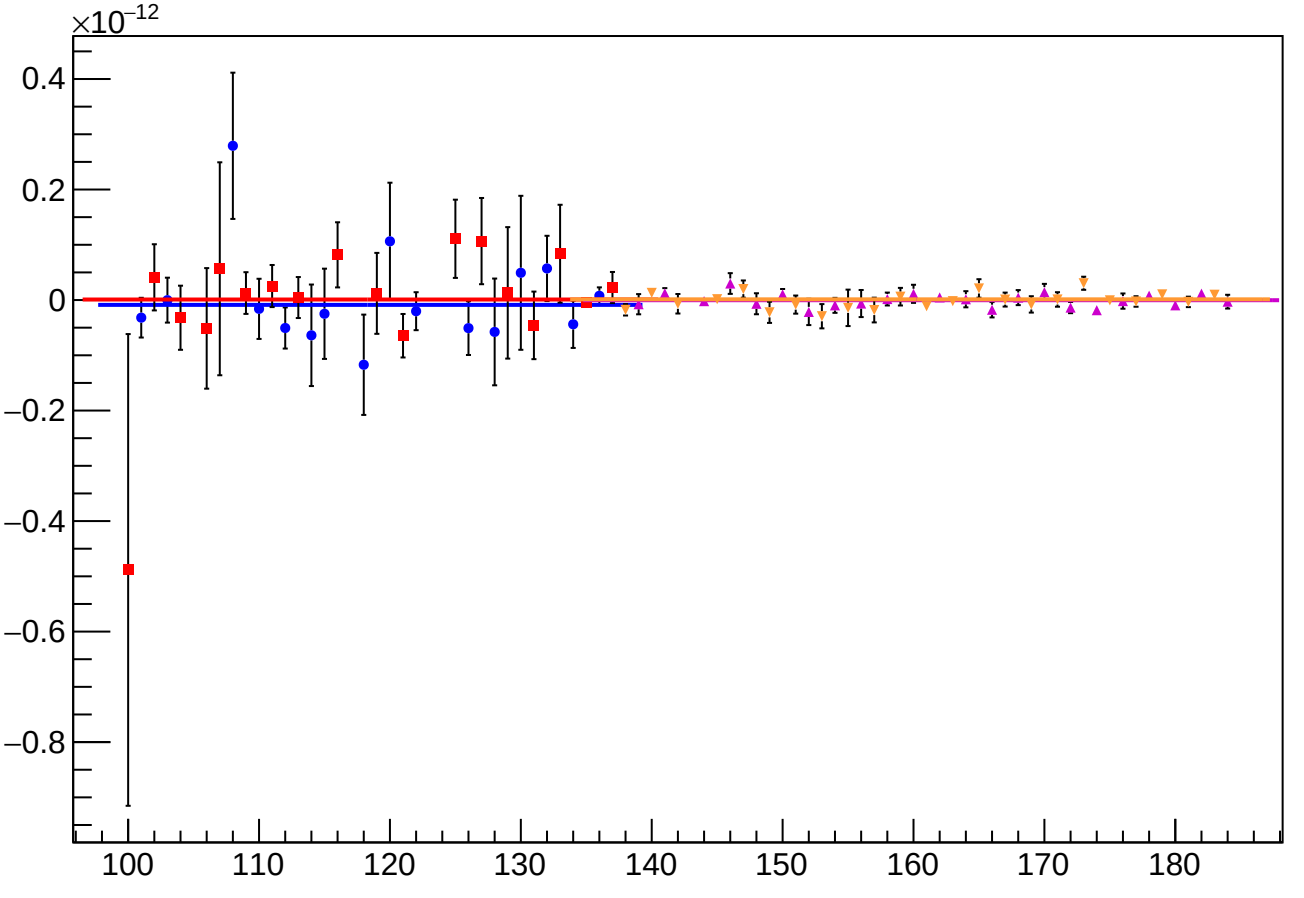
Left: 931.572+/-0.109 χ^2/NDF: 109678.5/45

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

In: 966.638+/-0.136 χ^2/NDF:562316.3/38

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

All: 967.768+/-0.096 χ^2/NDF: 1218976.9/79



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:22.1/22

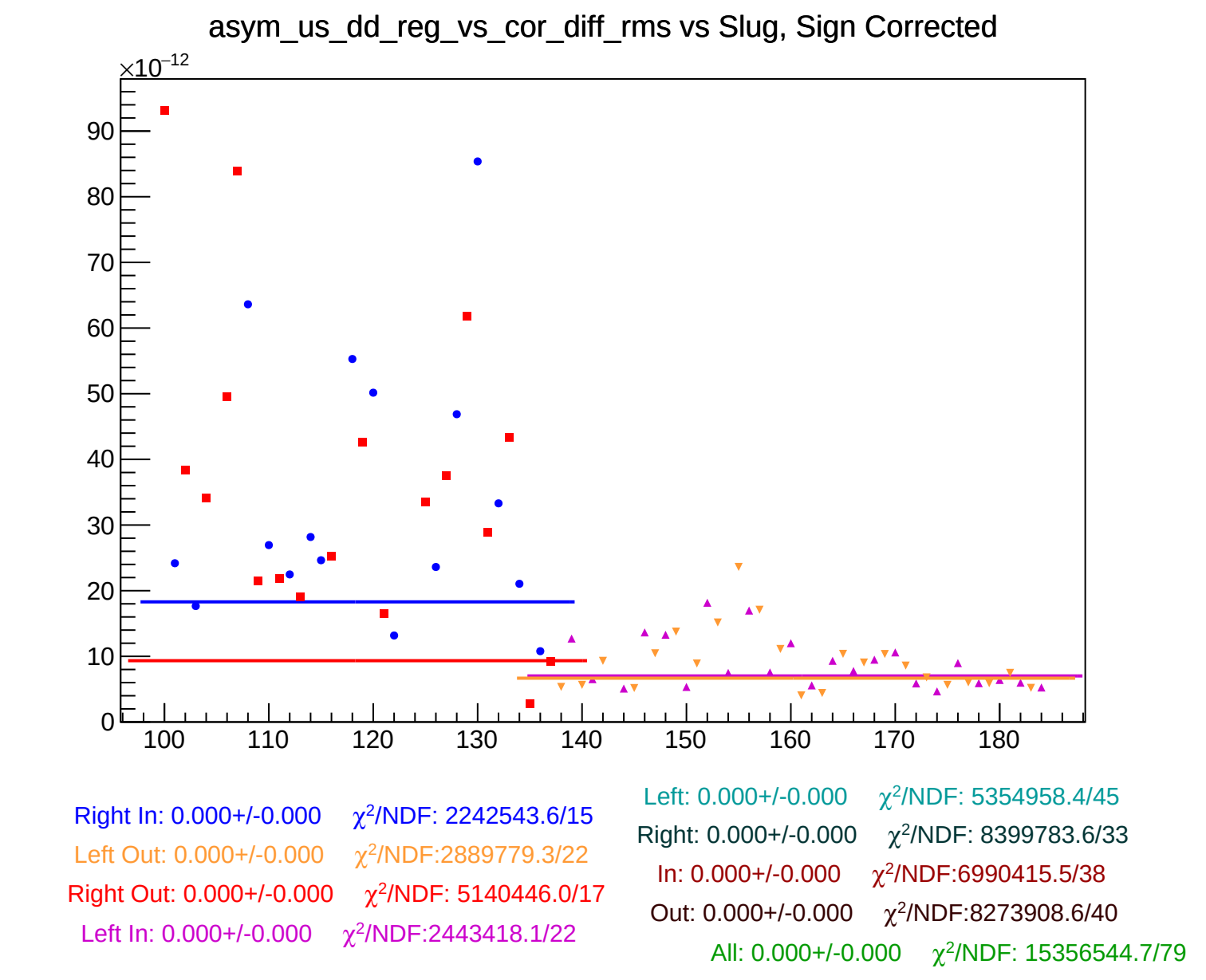
Left: 0.000+/-0.000 χ^2/NDF: 48.0/45

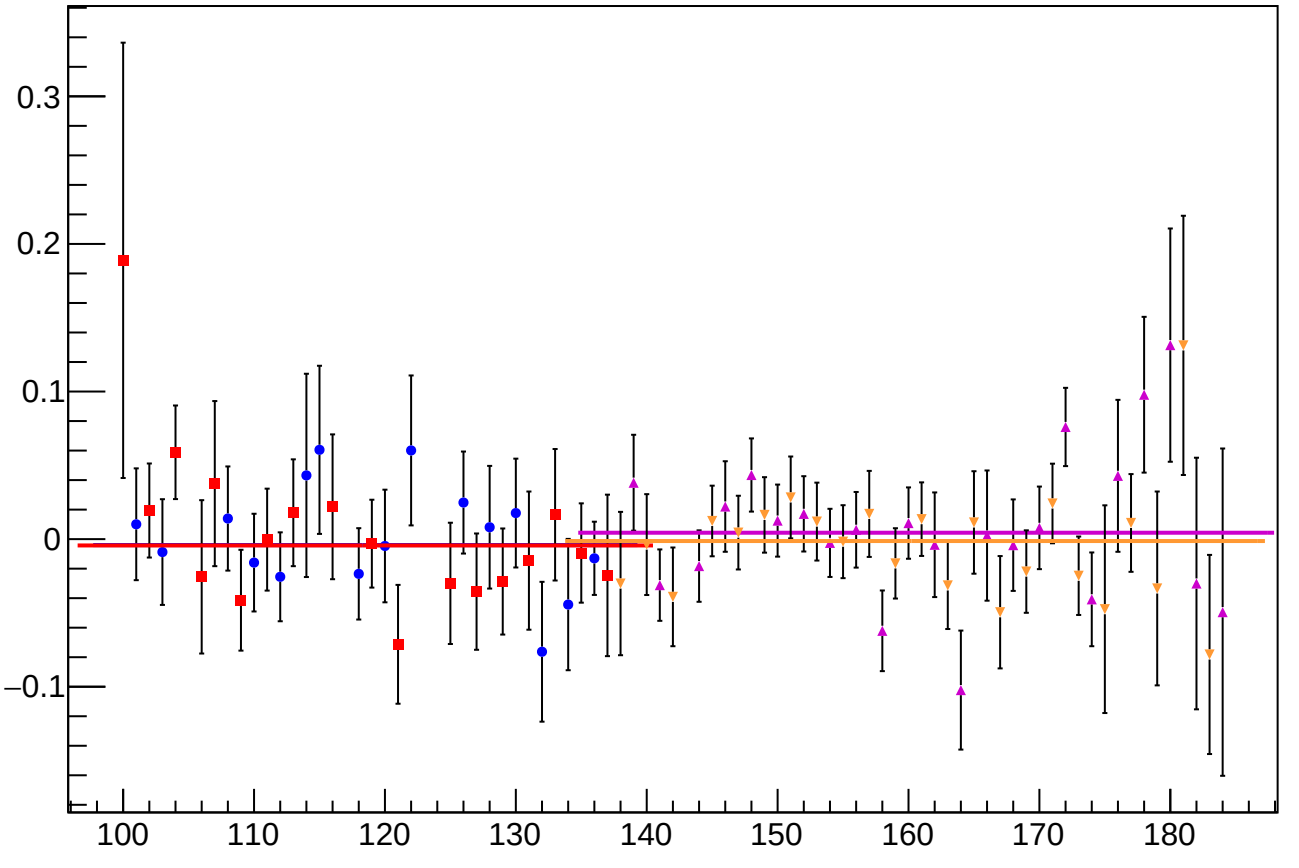
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: -0.000+/-0.000 χ^2/NDF:36.6/38

Out: 0.000+/-0.000 χ^2/NDF:40.0/40

All: 0.000+/-0.000 χ^2/NDF: 77.0/79


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:2443418.1/22
Left: 0.000+/-0.000 χ²/NDF: 5354958.4/45
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:6990415.5/38
Out: 0.000+/-0.000 χ²/NDF:8273908.6/40
All: 0.000+/-0.000 χ²/NDF: 15356544.7/79



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: 0.004+/-0.006 χ^2/NDF:36.5/22

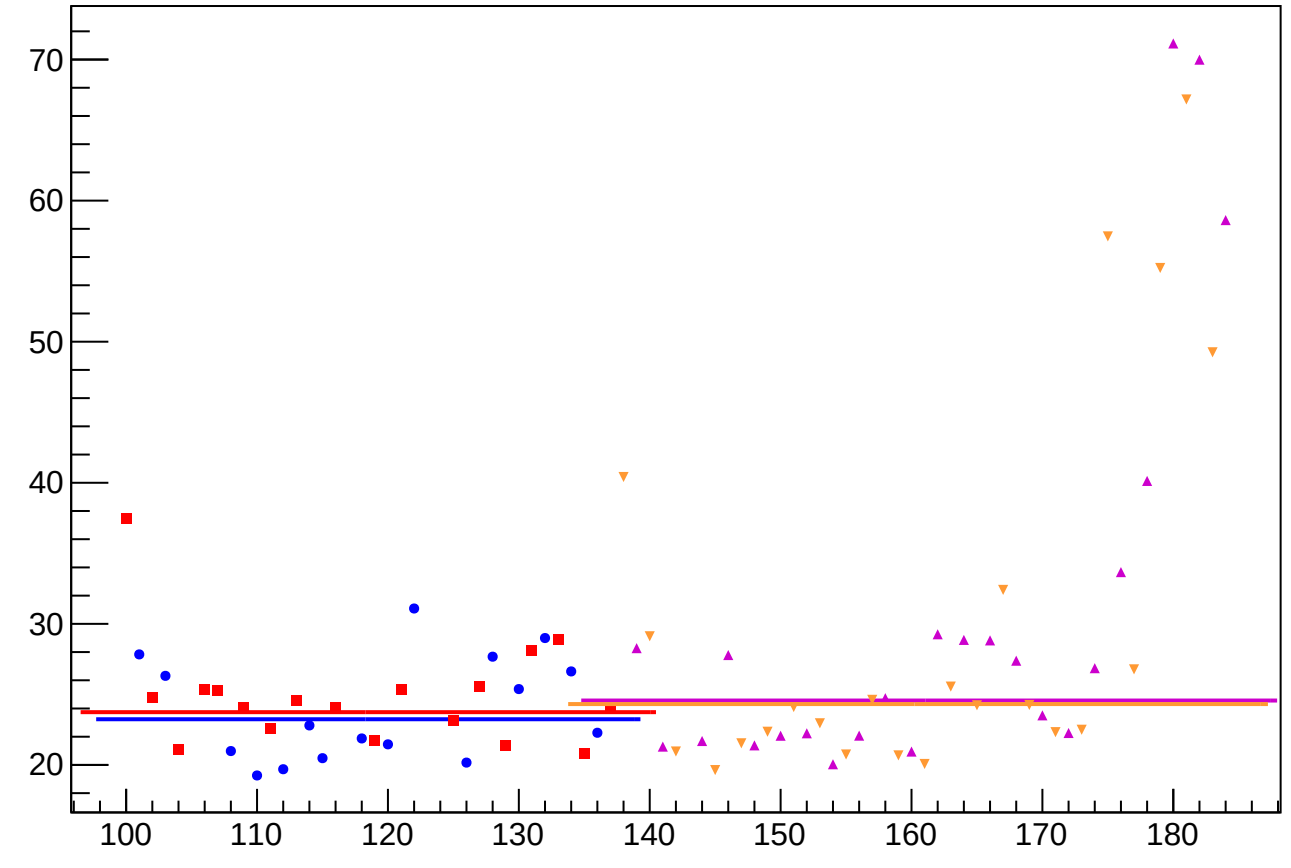
Left: 0.002+/-0.005 χ^2/NDF: 51.3/45

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

In: 0.002+/-0.005 χ^2/NDF:46.3/38

Out: -0.002+/-0.005 χ^2/NDF:28.0/40

All: -0.000+/-0.004 χ^2/NDF: 74.5/79



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: 24.565+/-0.005 χ^2/NDF:2132914.4/22

Left: 24.440+/-0.003 χ^2/NDF: 4441007.4/45

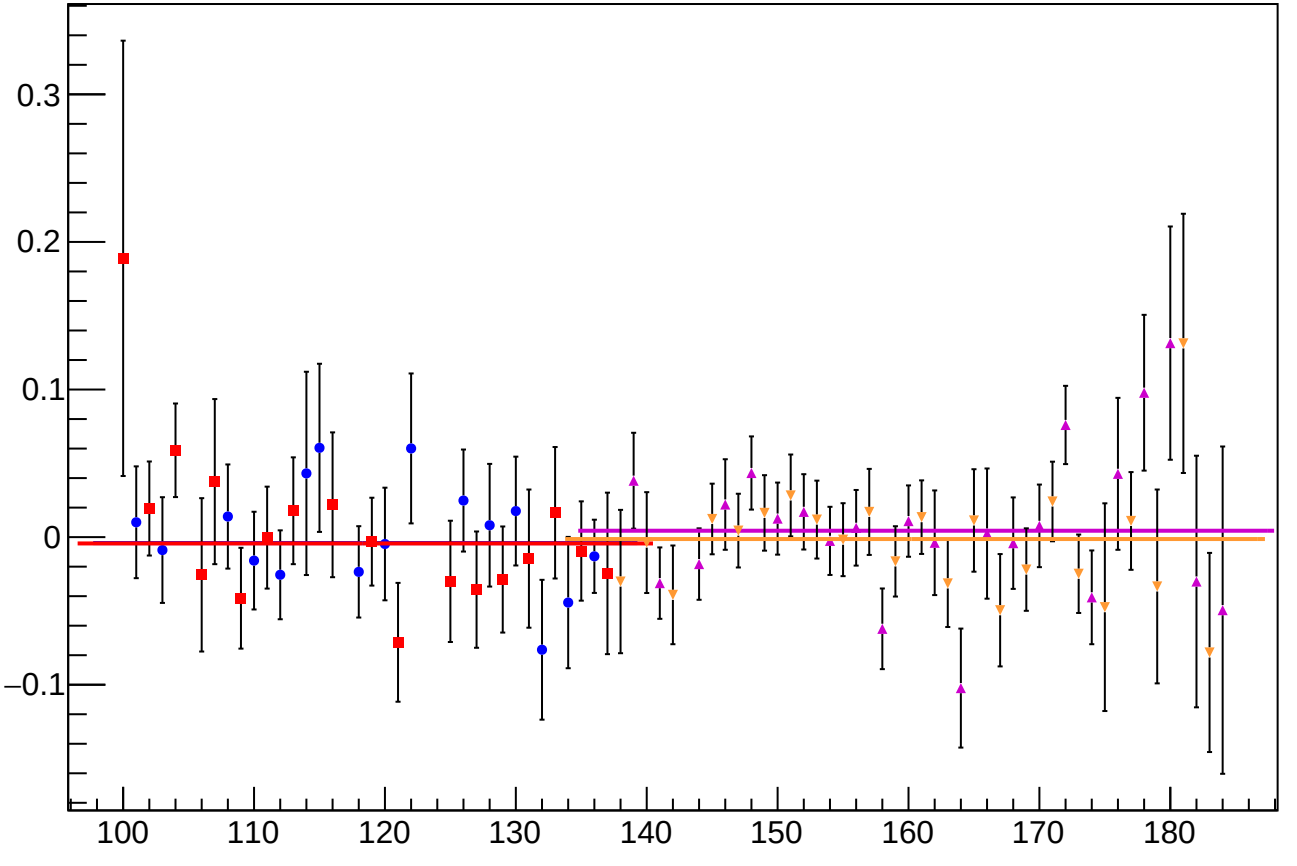
Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 24.137+/-0.004 χ^2/NDF:2419959.1/38

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

All: 24.133+/-0.003 χ^2/NDF: 4857855.0/79

asym_us_dd_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: 0.004+/-0.006 χ^2/NDF:36.5/22

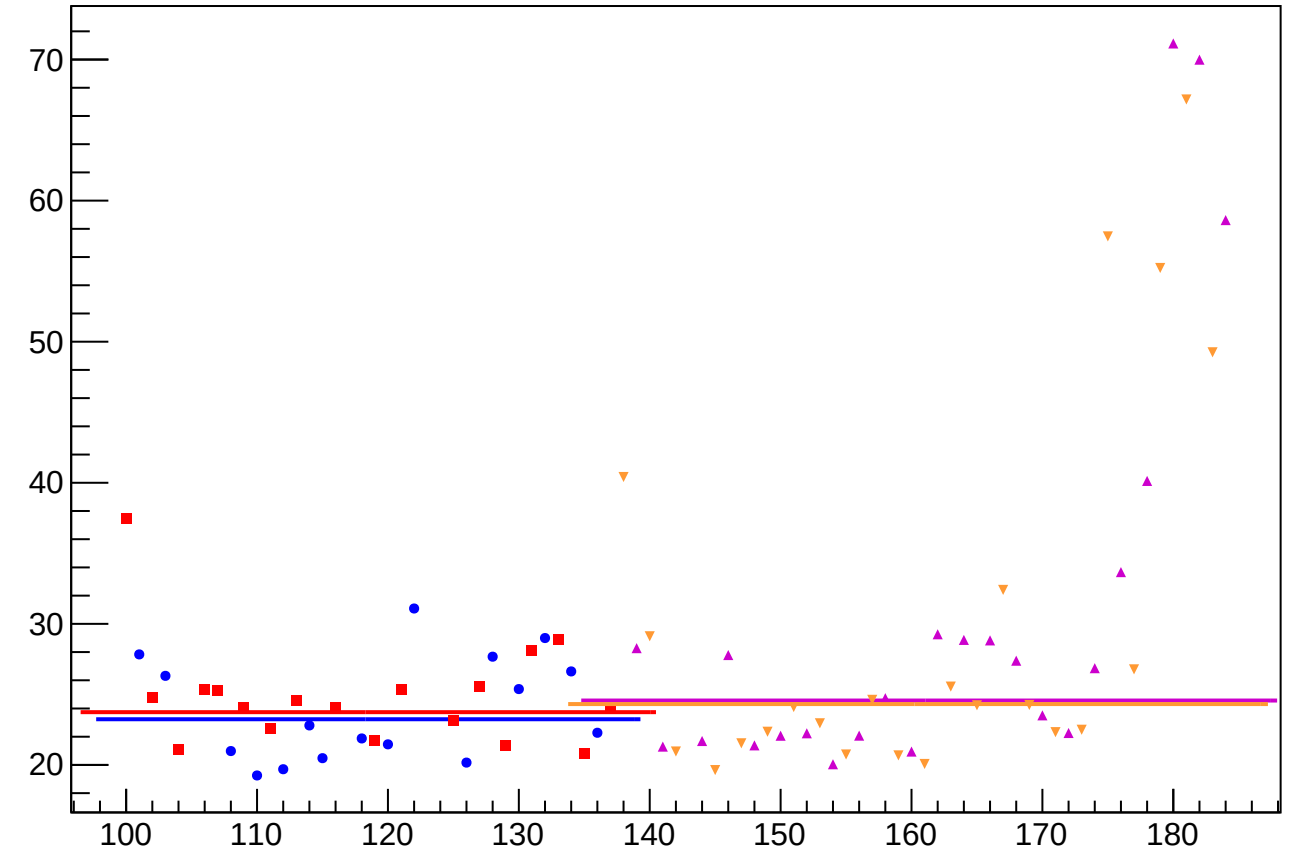
Left: 0.002+/-0.005 χ^2/NDF: 51.3/45

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

In: 0.002+/-0.005 χ^2/NDF:46.3/38

Out: -0.002+/-0.005 χ^2/NDF:28.0/40

All: -0.000+/-0.004 χ^2/NDF: 74.5/79



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: 24.565+/-0.005 χ^2/NDF:2132914.4/22

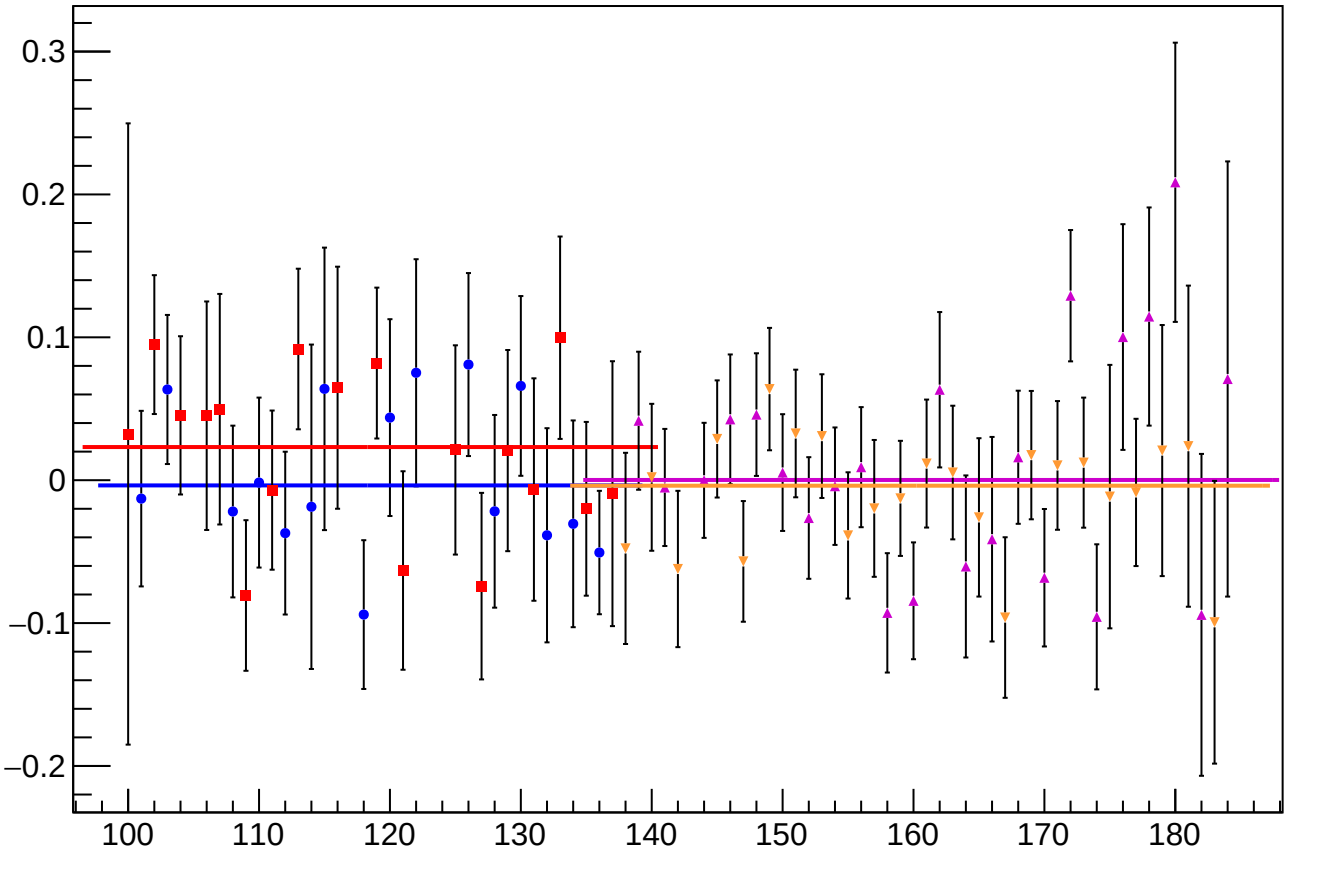
Left: 24.440+/-0.003 χ^2/NDF: 4441007.4/45

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

In: 24.137+/-0.004 χ^2/NDF:2419959.1/38

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

All: 24.133+/-0.003 χ^2/NDF: 4857855.0/79



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:37.9/22

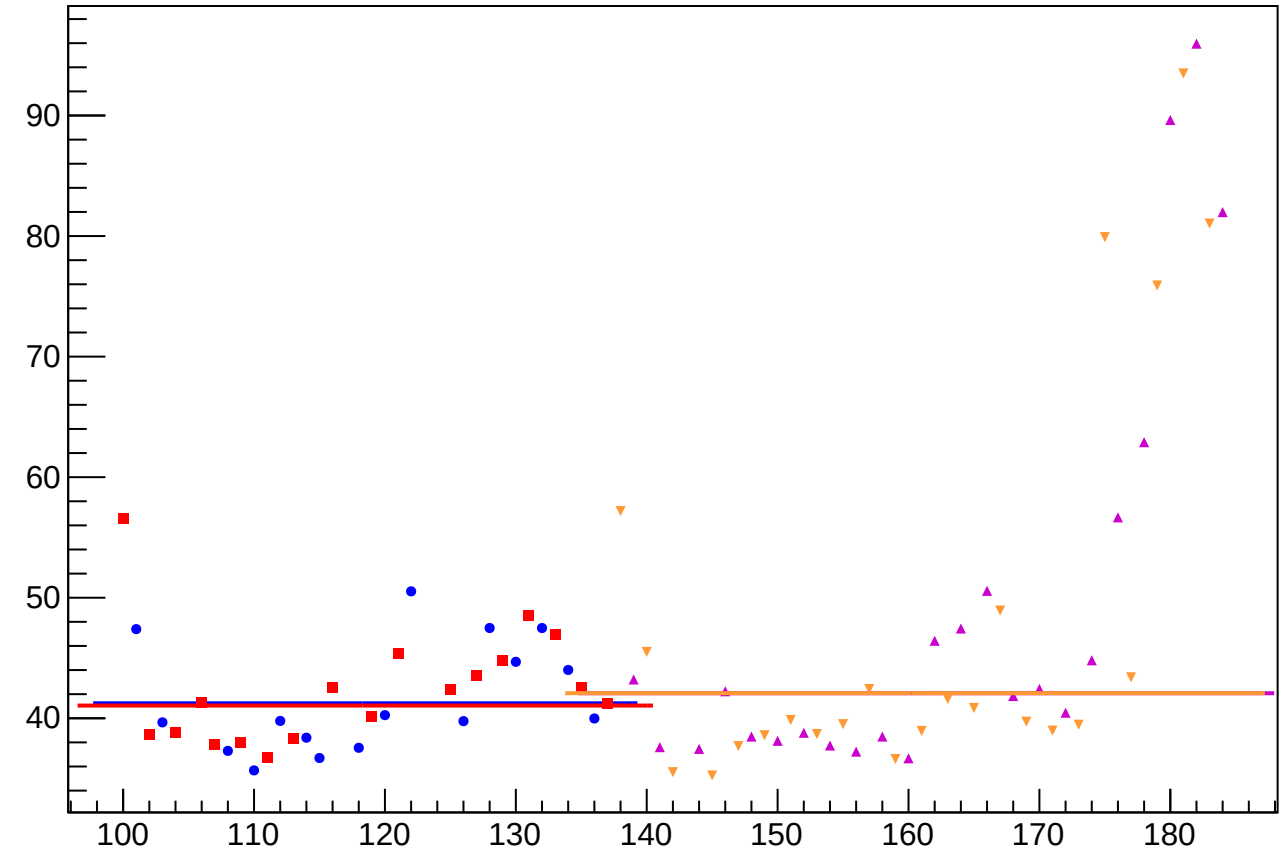
Left: -0.002+/-0.007 χ^2/NDF: 50.9/45

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.001+/-0.009 χ^2/NDF:49.6/38

Out: 0.005+/-0.009 χ^2/NDF:30.4/40

All: 0.002+/-0.006 χ^2/NDF: 80.2/79



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: 42.078+/-0.007 χ^2/NDF:1543505.8/22

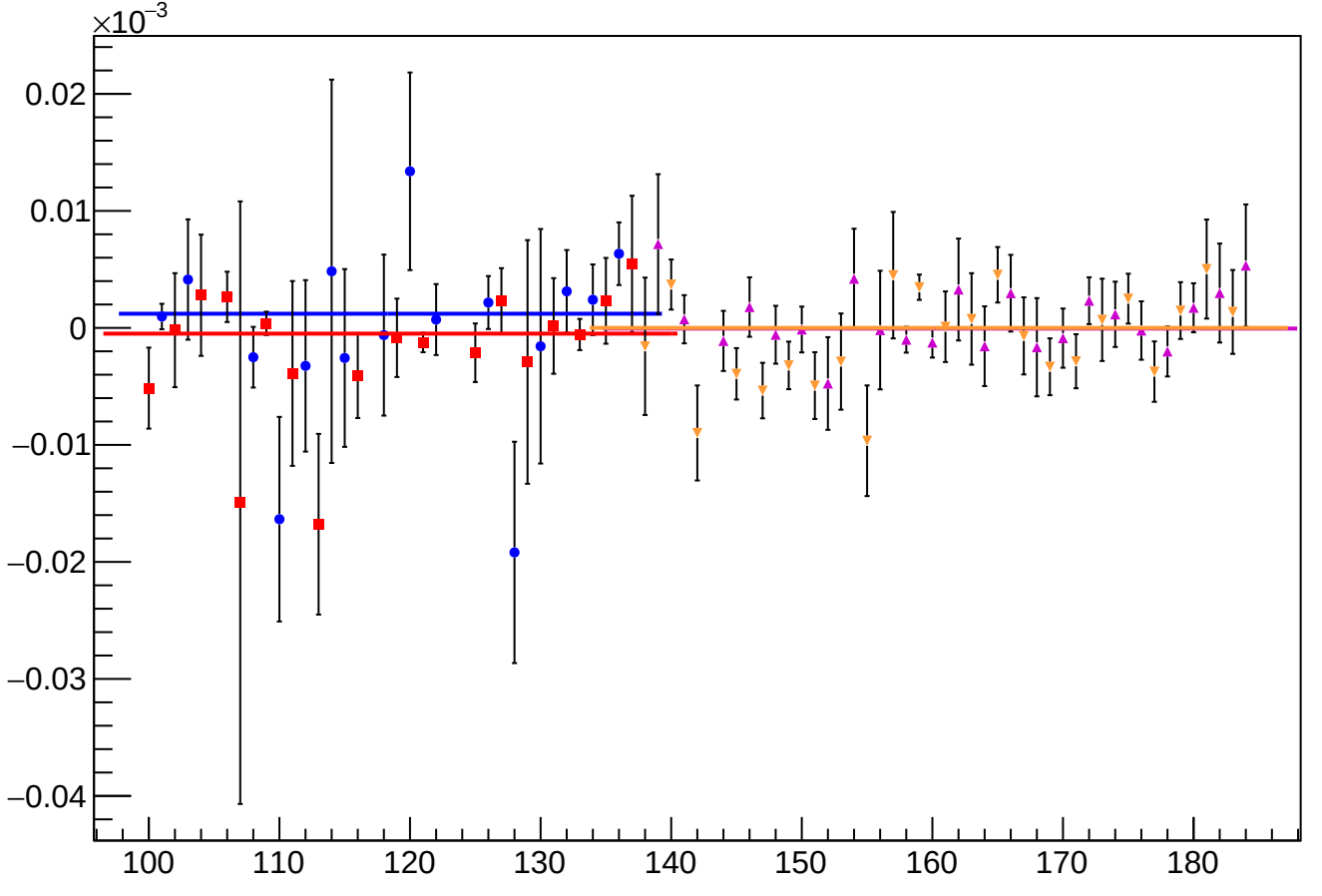
Left: 42.079+/-0.005 χ^2/NDF: 3259480.6/45

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

In: 41.823+/-0.006 χ^2/NDF:1682715.1/38

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

All: 41.791+/-0.004 χ^2/NDF: 3501314.9/79



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:13.0/22

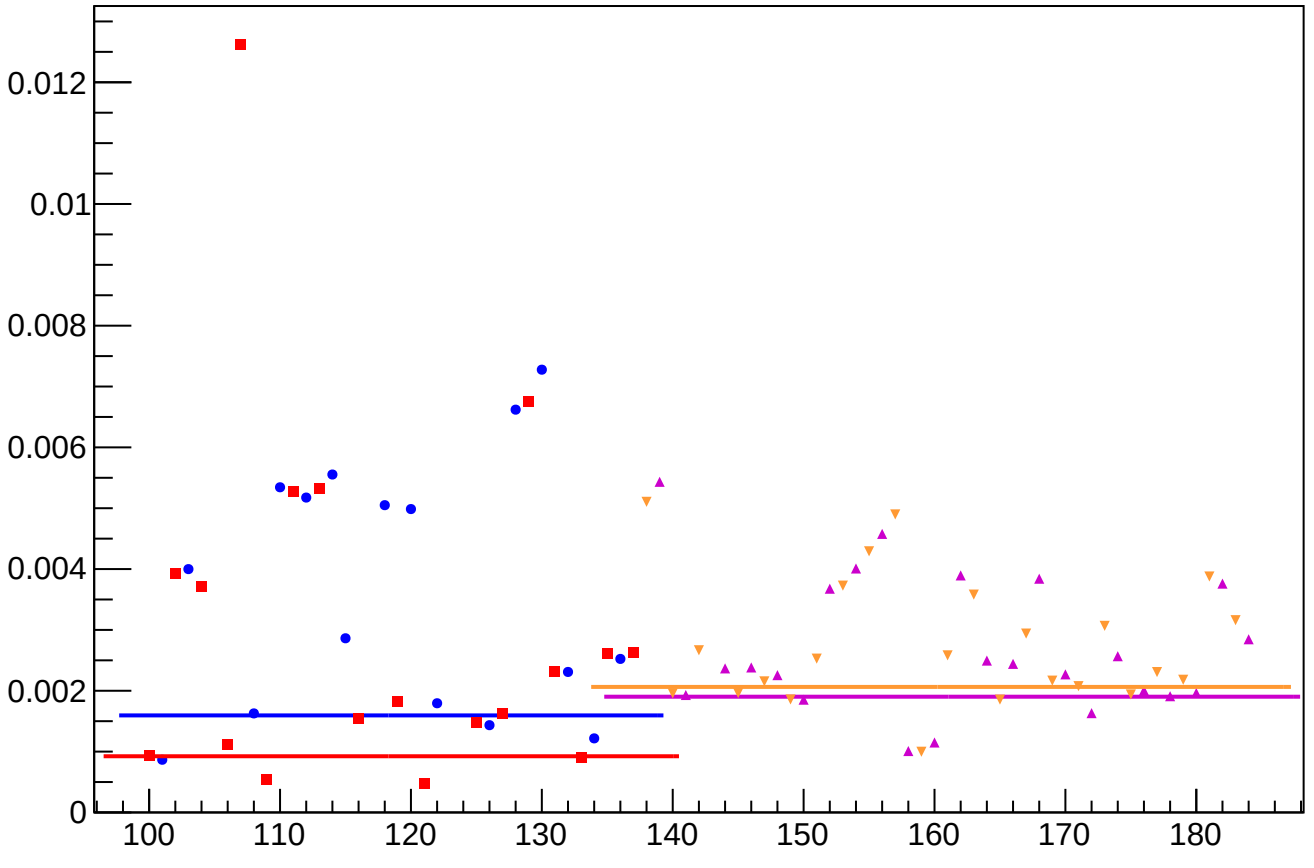
Left: -0.000+/-0.000 χ^2/NDF: 63.0/45

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:33.3/38

Out: -0.000+/-0.000 χ^2/NDF:65.4/40

All: -0.000+/-0.000 χ^2/NDF: 99.9/79



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:5935945.7/22

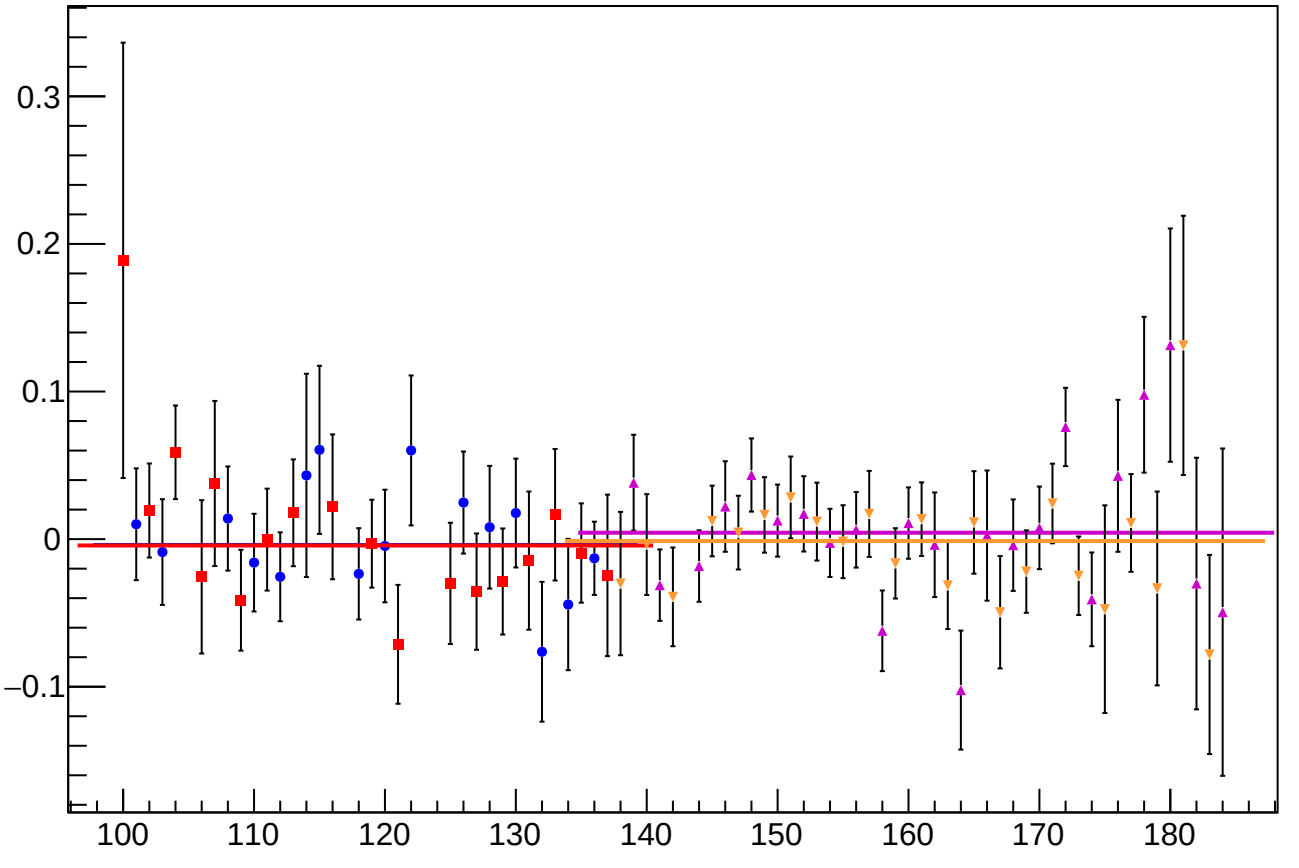
Left: 0.002+/-0.000 χ^2/NDF: 11244316.2/45

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

In: 0.002+/-0.000 χ^2/NDF:10932167.2/38

Out: 0.001+/-0.000 χ^2/NDF:15945343.5/40

All: 0.002+/-0.000 χ^2/NDF: 27685182.6/79



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: 0.004+/-0.006 χ^2/NDF:36.5/22

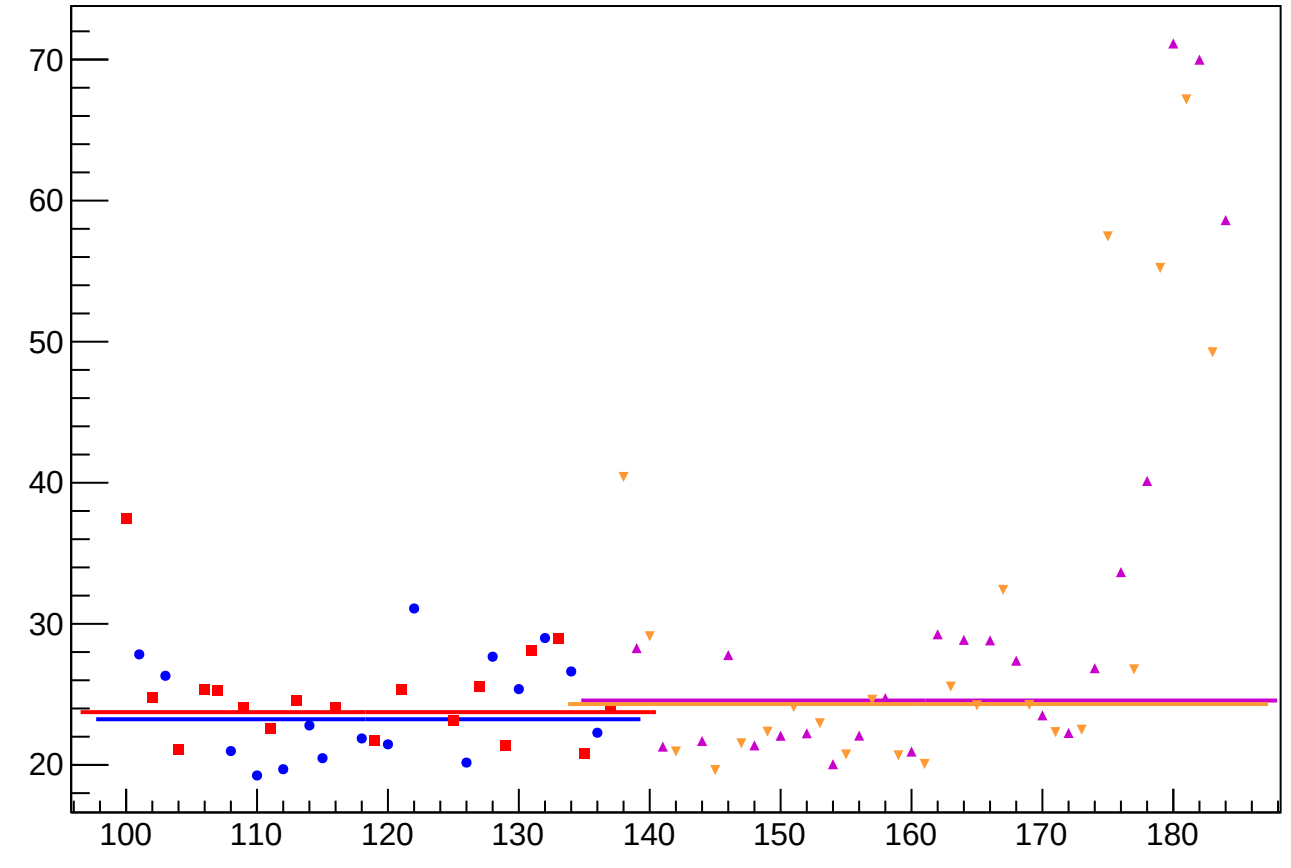
Left: 0.002+/-0.005 χ^2/NDF: 51.3/45

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

In: 0.002+/-0.005 χ^2/NDF:46.3/38

Out: -0.002+/-0.005 χ^2/NDF:28.0/40

All: -0.000+/-0.004 χ^2/NDF: 74.5/79



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: 24.565+/-0.005 χ^2/NDF:2132779.0/22

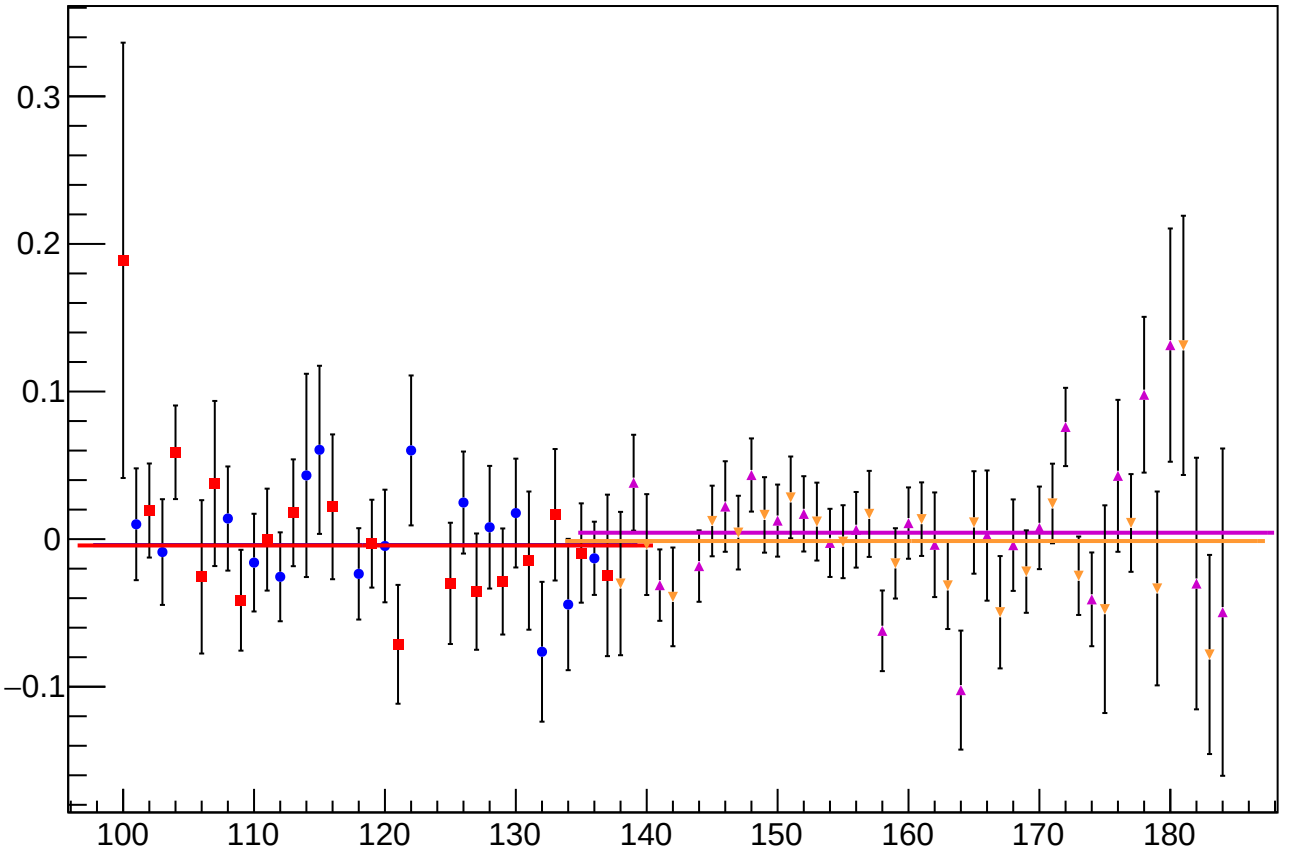
Left: 24.440+/-0.003 χ^2/NDF: 4440885.3/45

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

In: 24.137+/-0.004 χ^2/NDF:2419852.9/38

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

All: 24.133+/-0.003 χ^2/NDF: 4857704.2/79



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: 0.004+/-0.006 χ^2/NDF:36.5/22

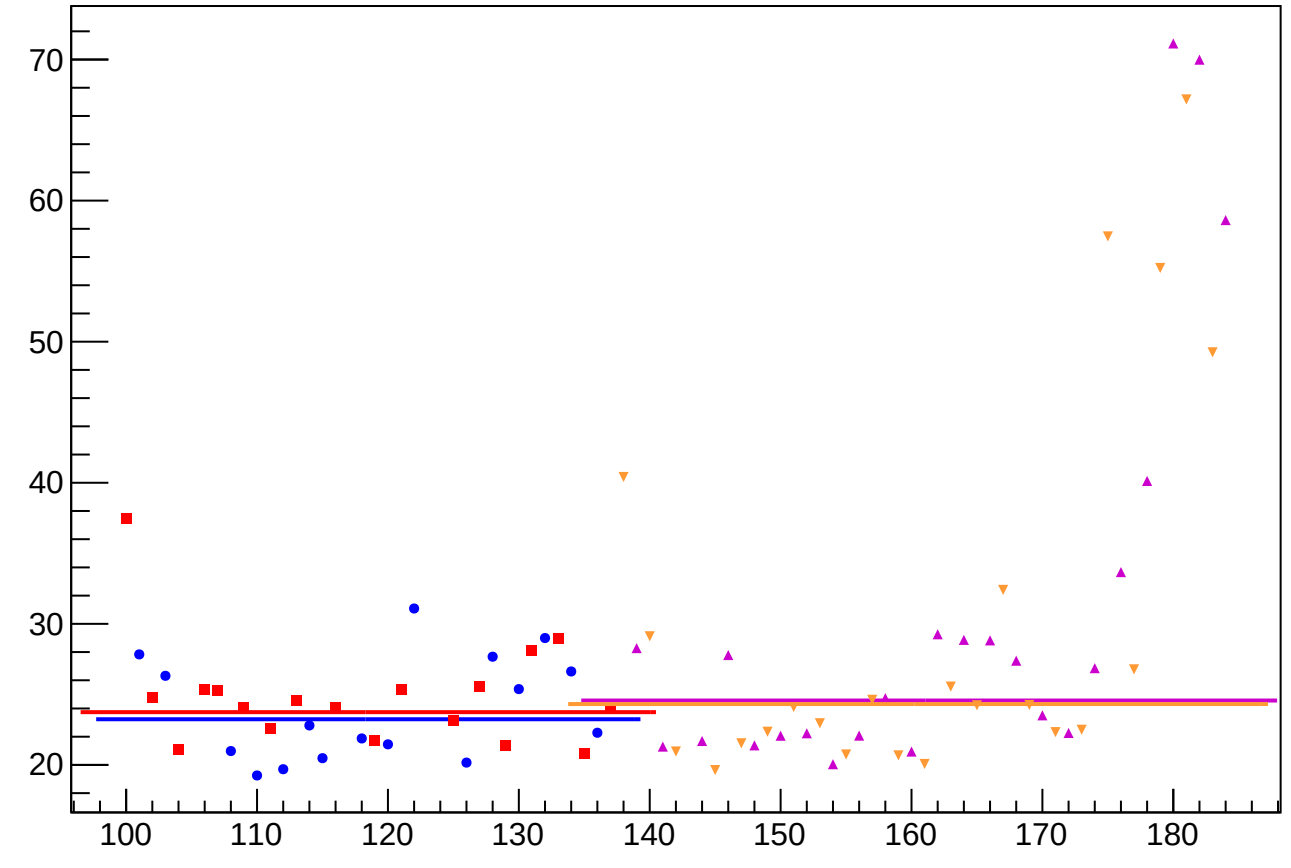
Left: 0.002+/-0.005 χ^2/NDF: 51.3/45

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

In: 0.002+/-0.005 χ^2/NDF:46.3/38

Out: -0.002+/-0.005 χ^2/NDF:28.0/40

All: -0.000+/-0.004 χ^2/NDF: 74.5/79



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: 24.565+/-0.005 χ^2/NDF:2132779.0/22

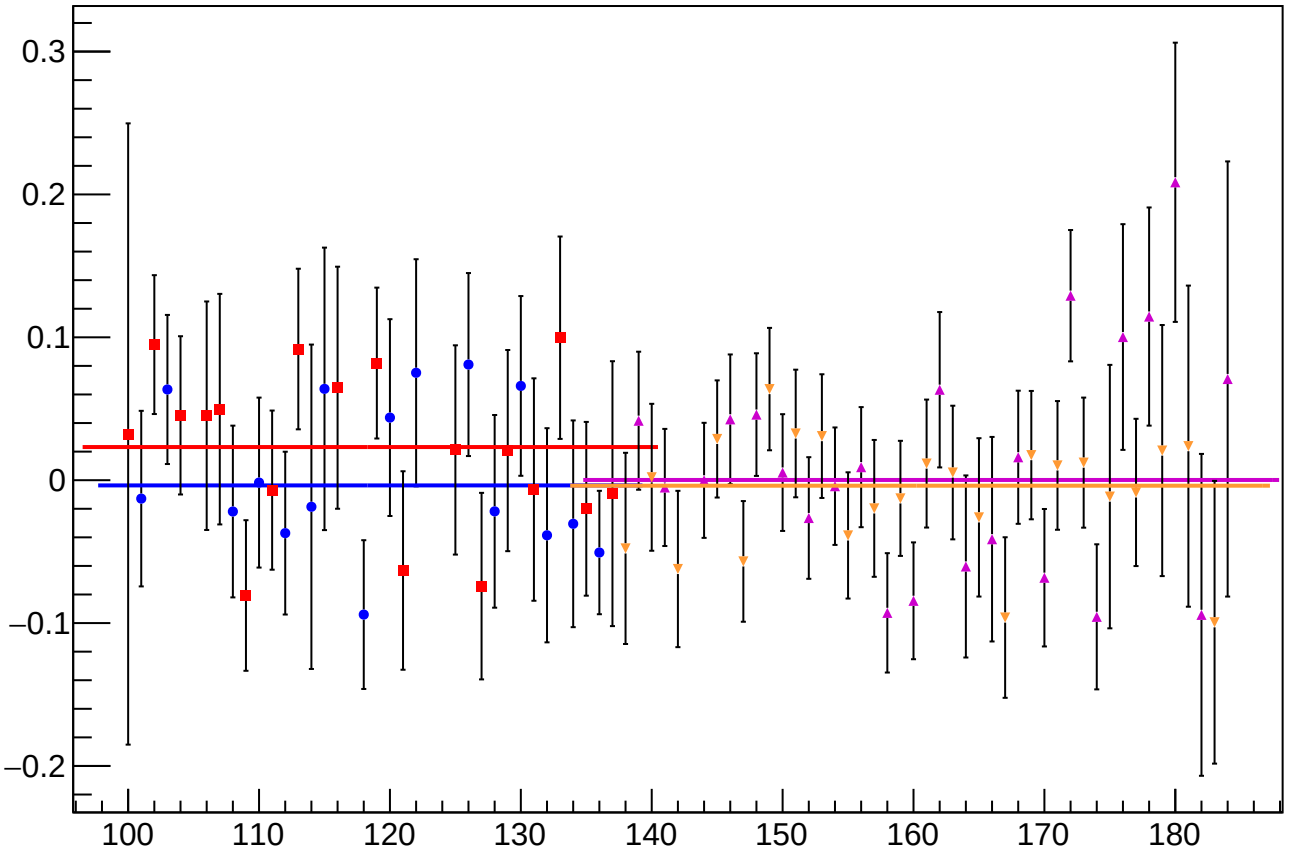
Left: 24.440+/-0.003 χ^2/NDF: 4440885.3/45

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

In: 24.137+/-0.004 χ^2/NDF:2419852.9/38

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

All: 24.133+/-0.003 χ^2/NDF: 4857704.2/79



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:37.9/22

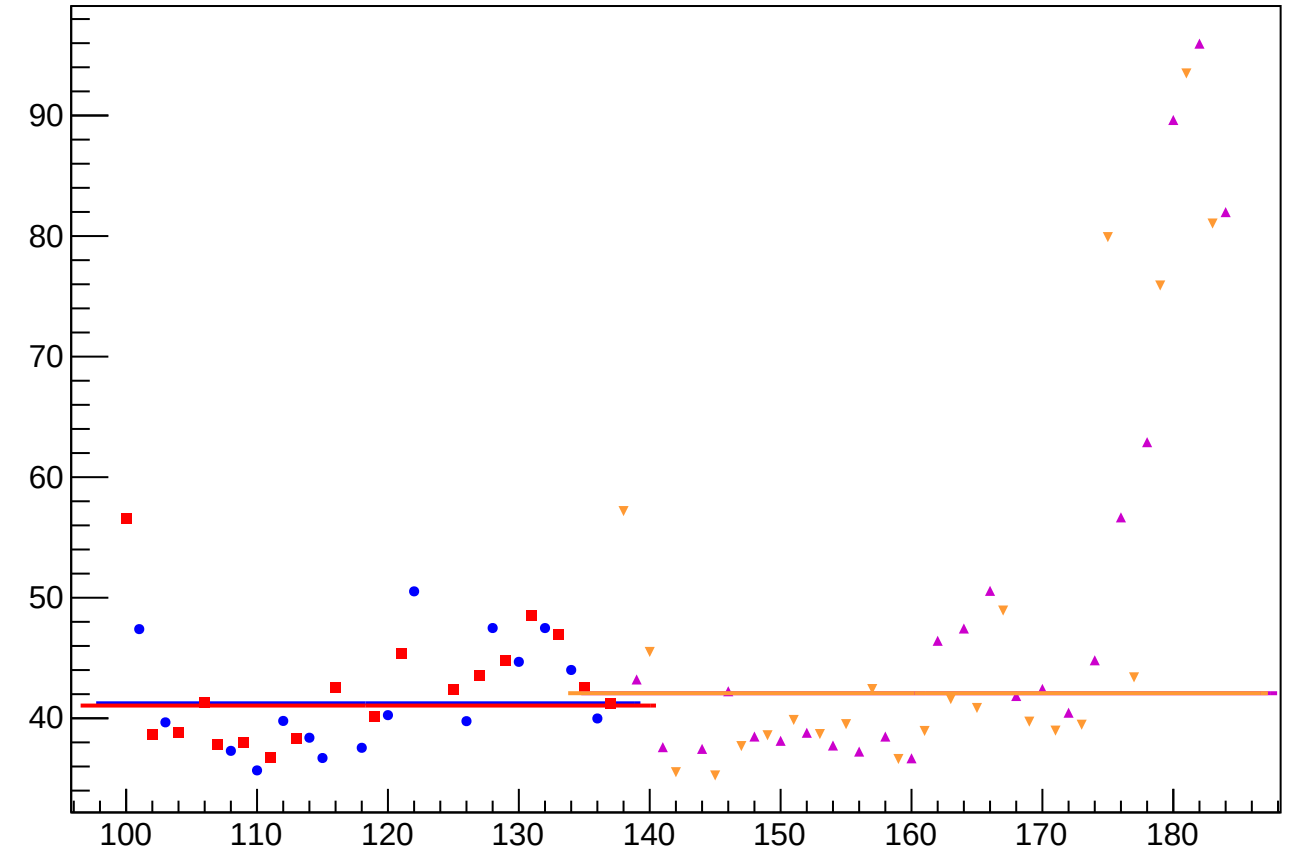
Left: -0.002+/-0.007 χ^2/NDF: 50.9/45

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.001+/-0.009 χ^2/NDF:49.6/38

Out: 0.005+/-0.009 χ^2/NDF:30.4/40

All: 0.002+/-0.006 χ^2/NDF: 80.2/79



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: 42.078+/-0.007 χ^2/NDF:1543481.3/22

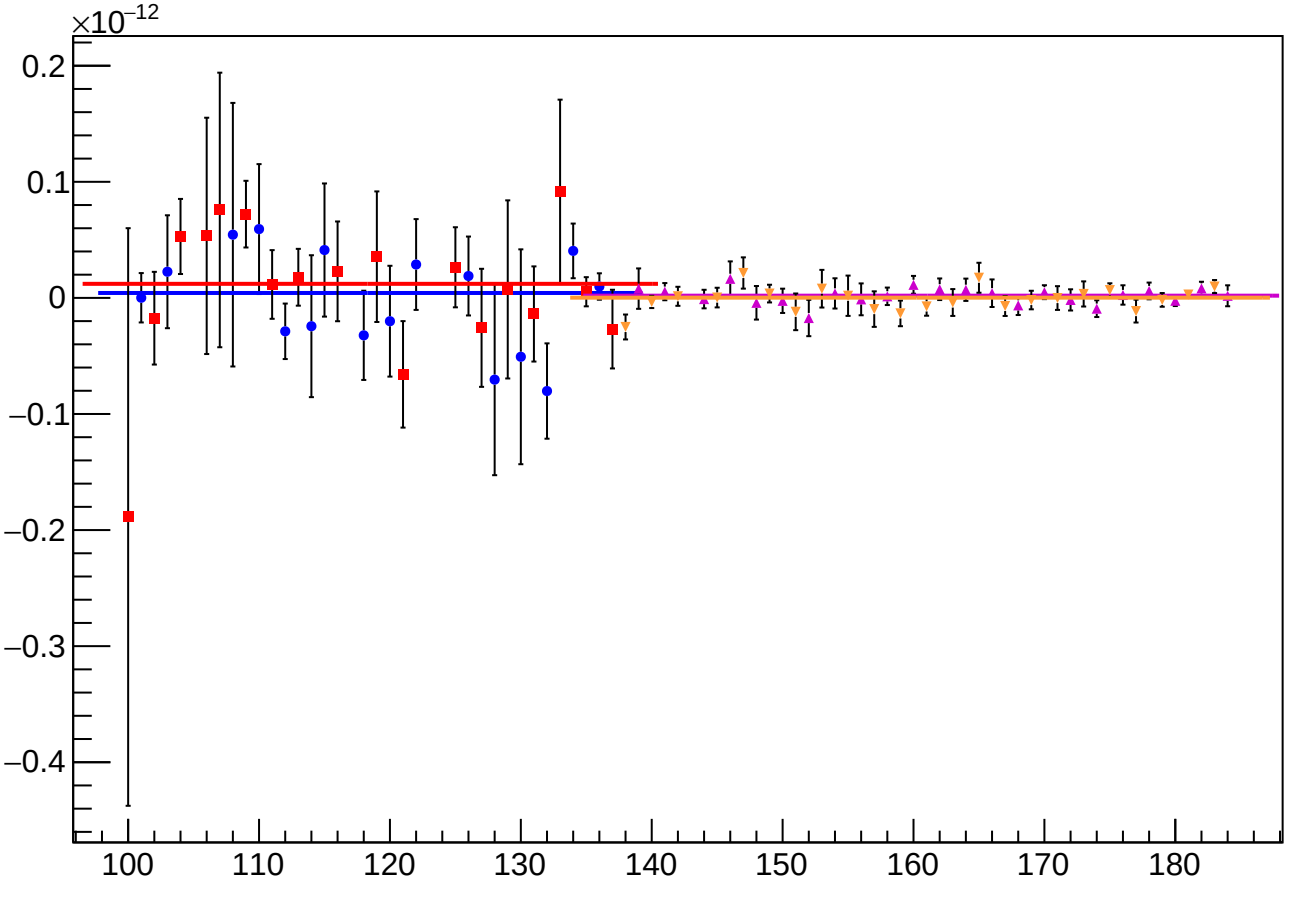
Left: 42.079+/-0.005 χ^2/NDF: 3259446.7/45

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

In: 41.823+/-0.006 χ^2/NDF:1682672.1/38

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

All: 41.791+/-0.004 χ^2/NDF: 3501251.9/79



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:11.7/22

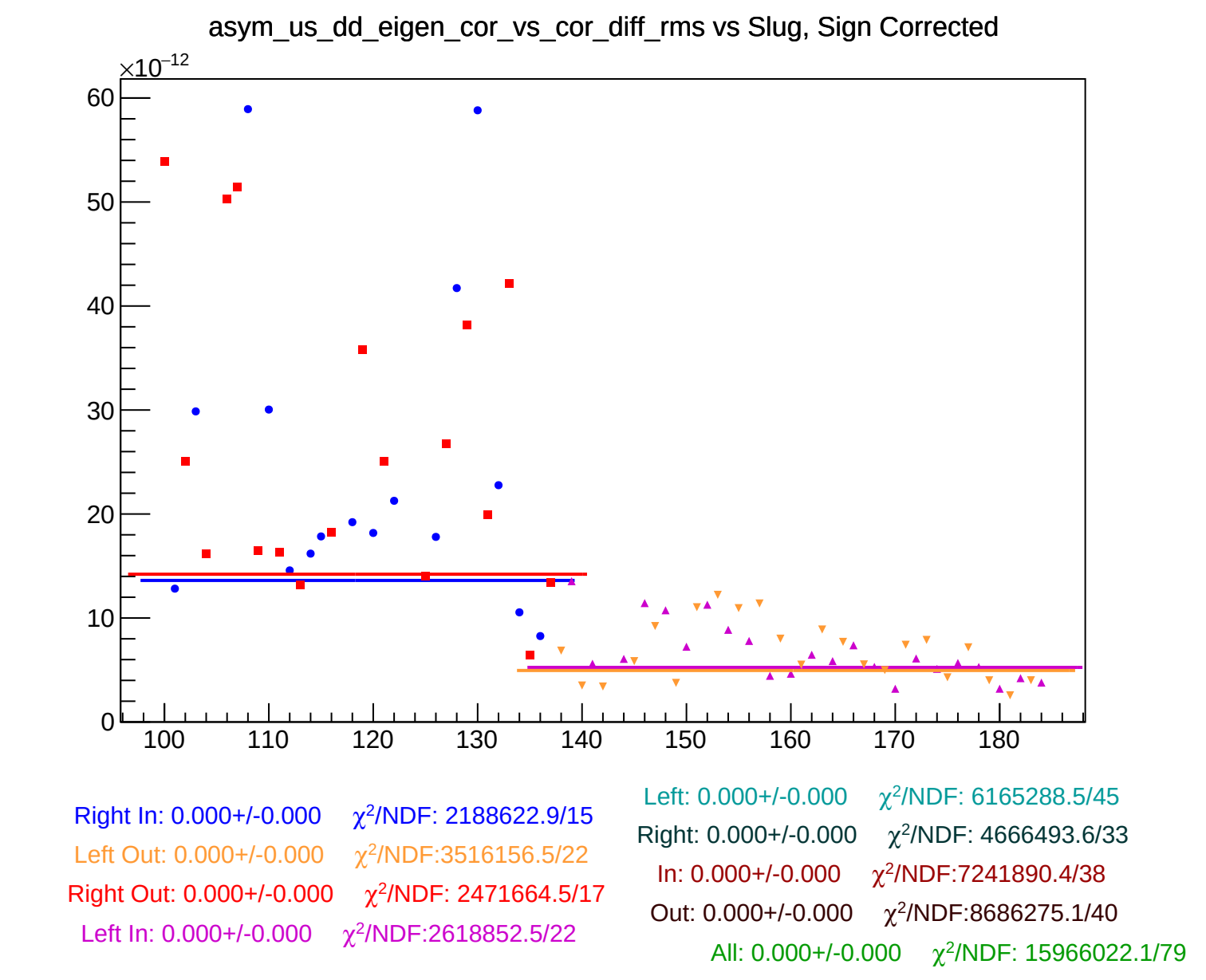
Left: 0.000+/-0.000 χ^2/NDF: 33.4/45

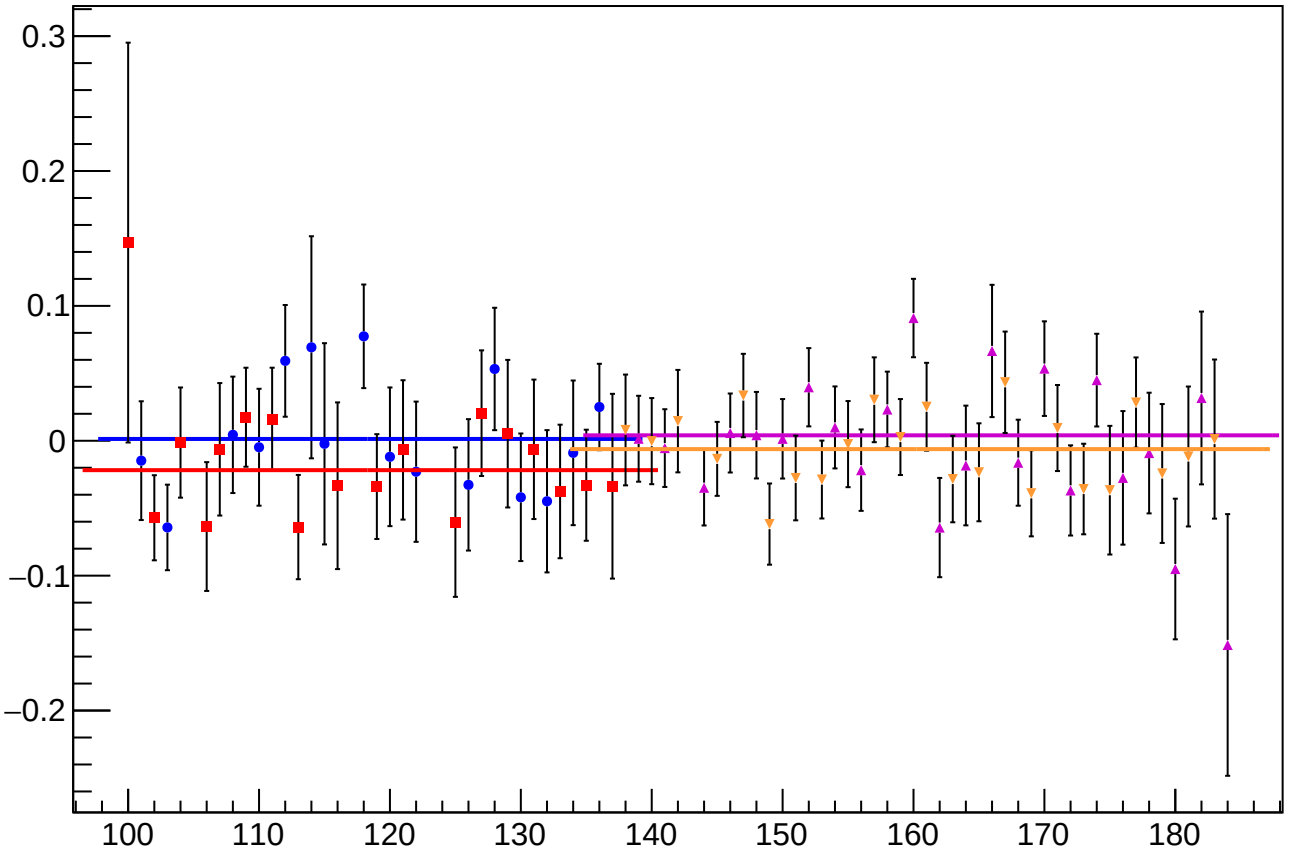
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:25.5/38

Out: 0.000+/-0.000 χ^2/NDF:37.9/40

All: 0.000+/-0.000 χ^2/NDF: 63.7/79


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:2618852.5/22
Left: 0.000+/-0.000 χ²/NDF: 6165288.5/45
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:7241890.4/38
Out: 0.000+/-0.000 χ²/NDF:8686275.1/40
All: 0.000+/-0.000 χ²/NDF: 15966022.1/79



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: 0.004+/-0.007 χ^2/NDF:31.2/22

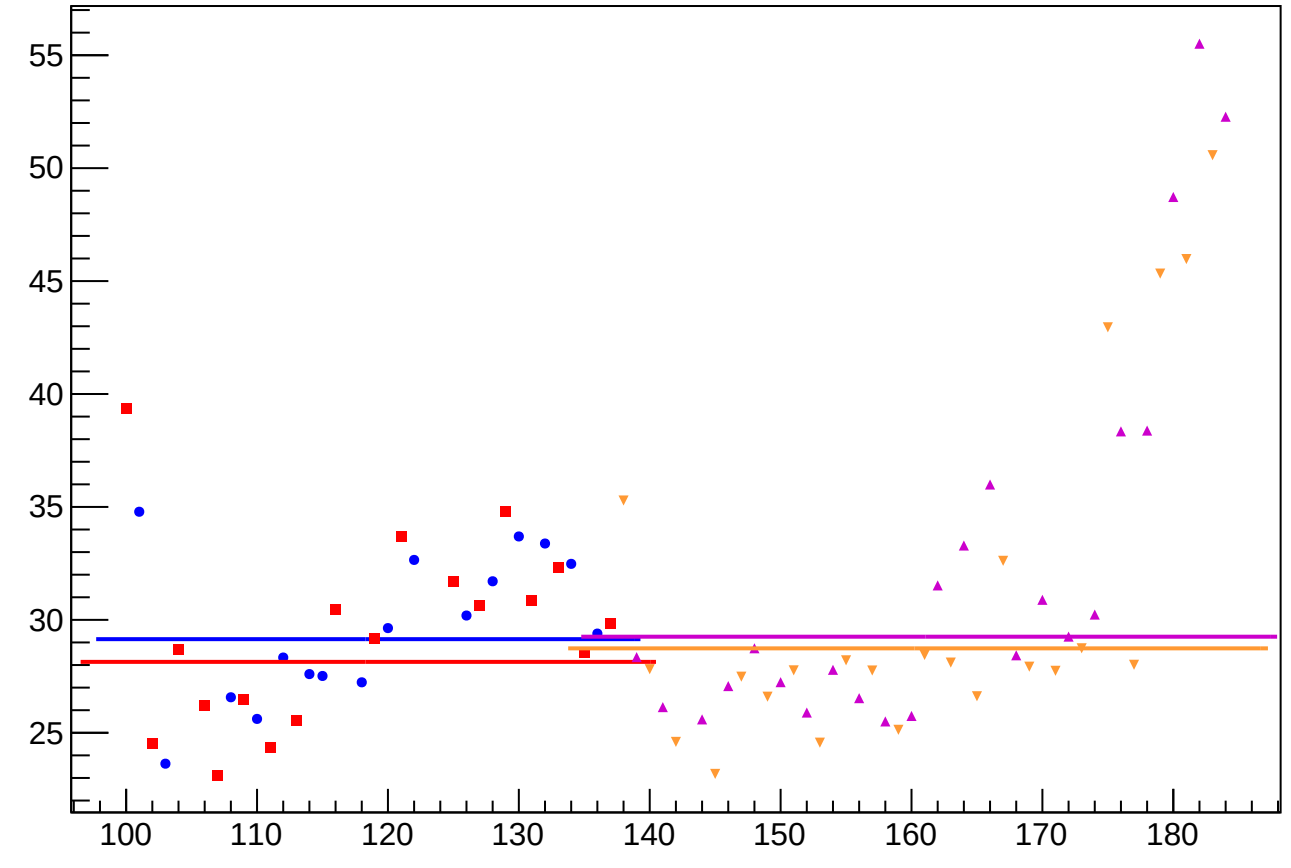
Left: -0.001+/-0.005 χ^2/NDF: 47.5/45

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

In: 0.003+/-0.006 χ^2/NDF:46.6/38

Out: -0.011+/-0.006 χ^2/NDF:25.7/40

All: -0.004+/-0.004 χ^2/NDF: 75.0/79



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: 29.255+/-0.005 χ^2/NDF:1140337.0/22

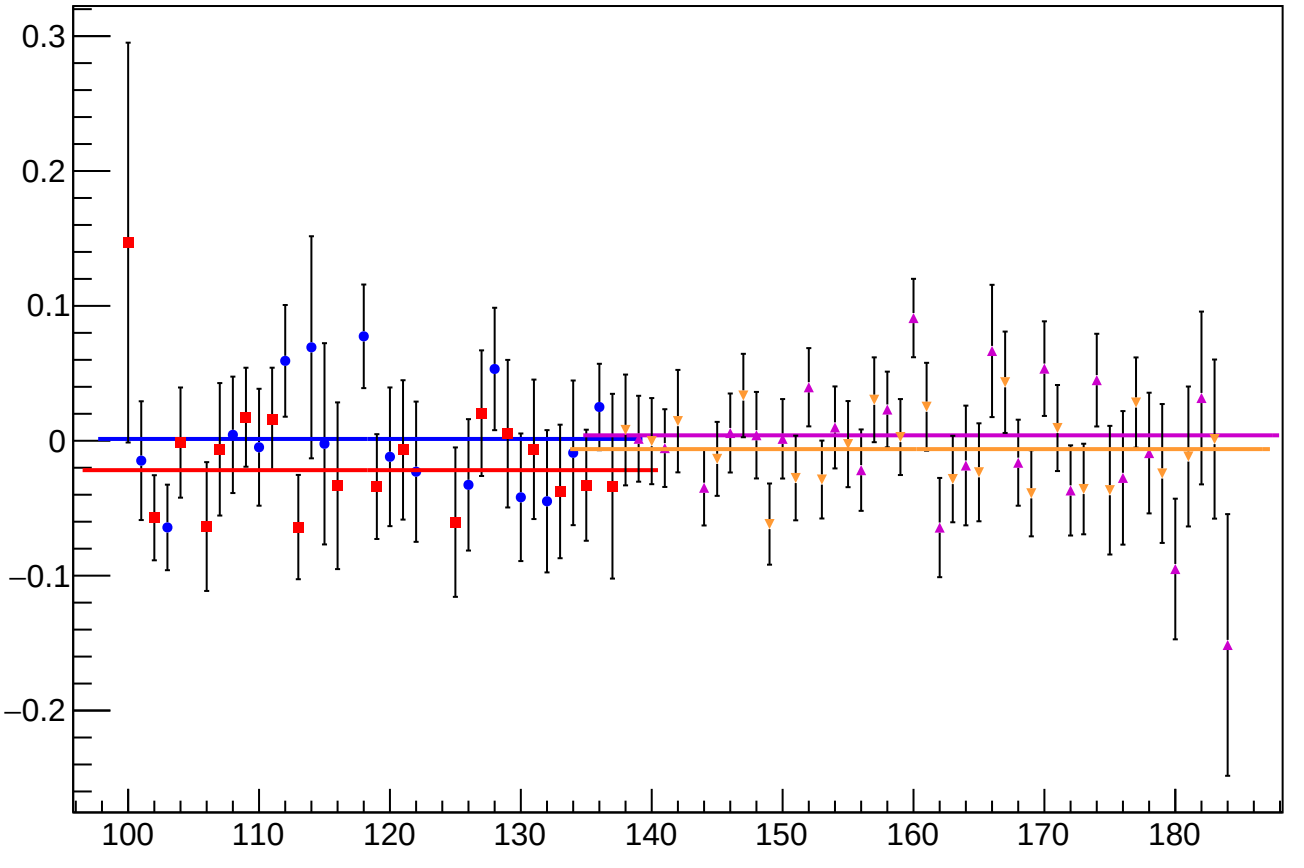
Left: 28.994+/-0.004 χ^2/NDF: 2310061.2/45

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

In: 29.223+/-0.004 χ^2/NDF:1317360.5/38

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

All: 28.884+/-0.003 χ^2/NDF: 2685611.0/79



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: 0.004+/-0.007 χ^2/NDF:31.2/22

Left: -0.001+/-0.005 χ^2/NDF: 47.5/45

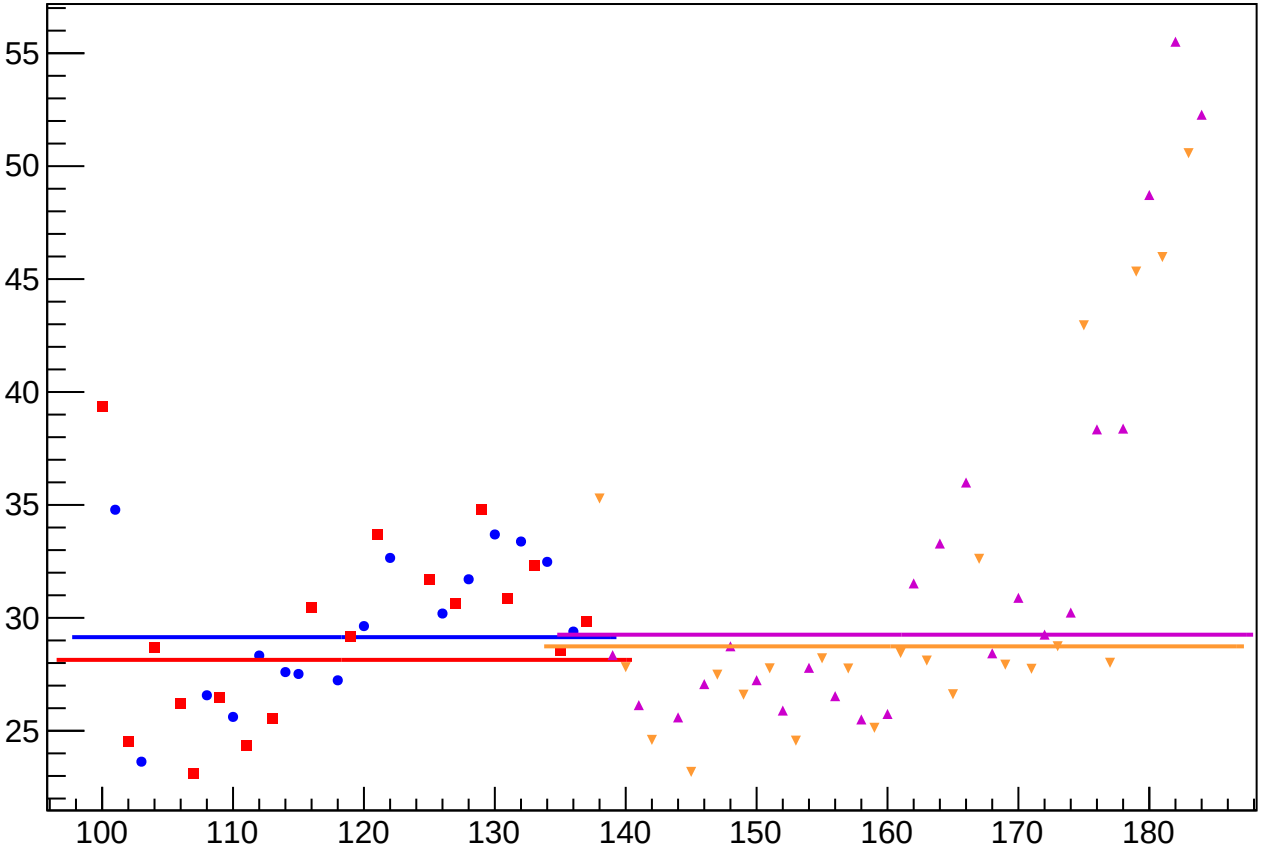
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.003+/-0.006 χ^2/NDF:46.6/38

Out: -0.011+/-0.006 χ^2/NDF:25.7/40

All: -0.004+/-0.004 χ^2/NDF: 75.0/79

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: 29.255+/-0.005 χ^2/NDF:1140337.0/22

Left: 28.994+/-0.004 χ^2/NDF: 2310061.2/45

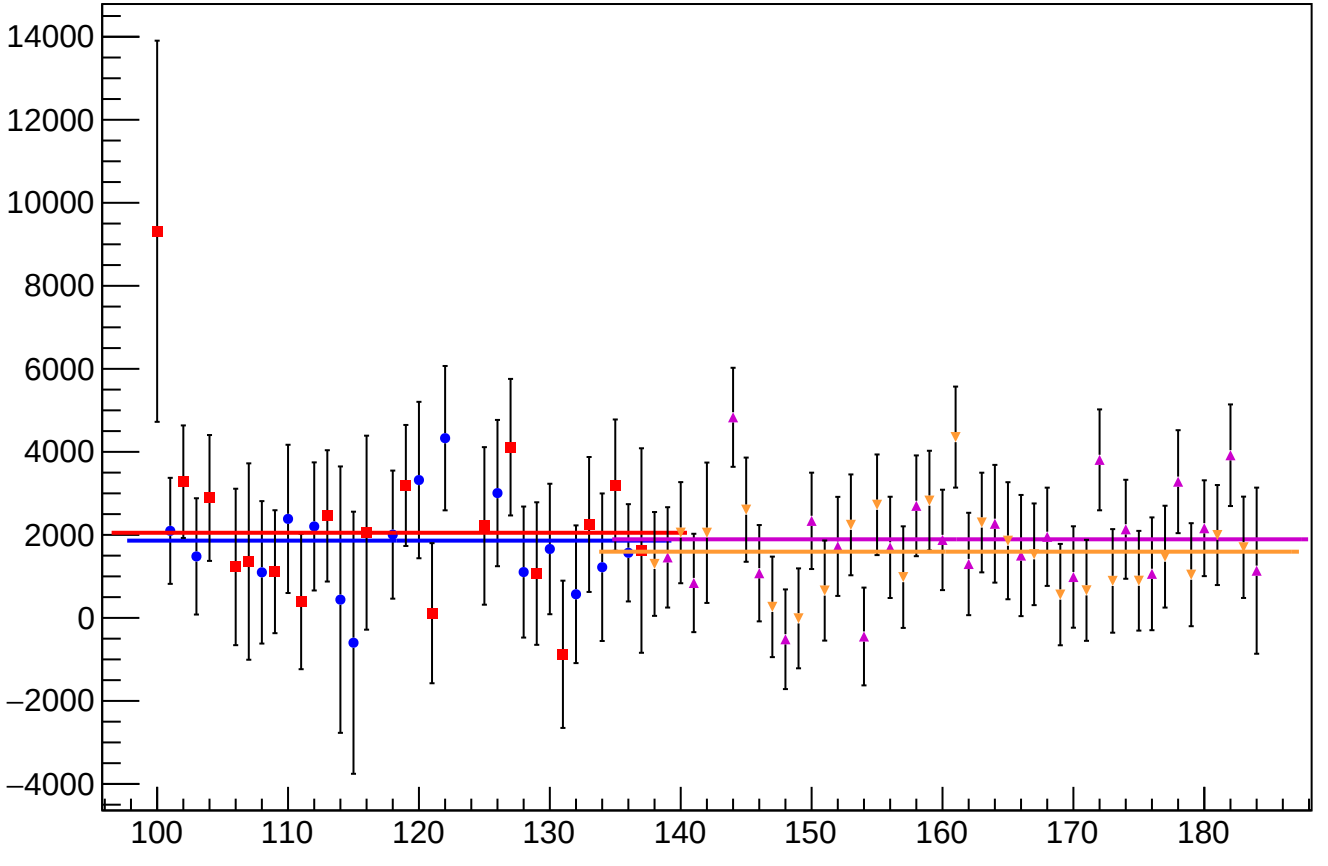
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 29.223+/-0.004 χ^2/NDF:1317360.5/38

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

All: 28.884+/-0.003 χ^2/NDF: 2685611.0/79

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: 1893.347+/-258.339 χ^2/NDF:24.1/22

Left: 1744.344+/-182.713 χ^2/NDF: 39.5/45

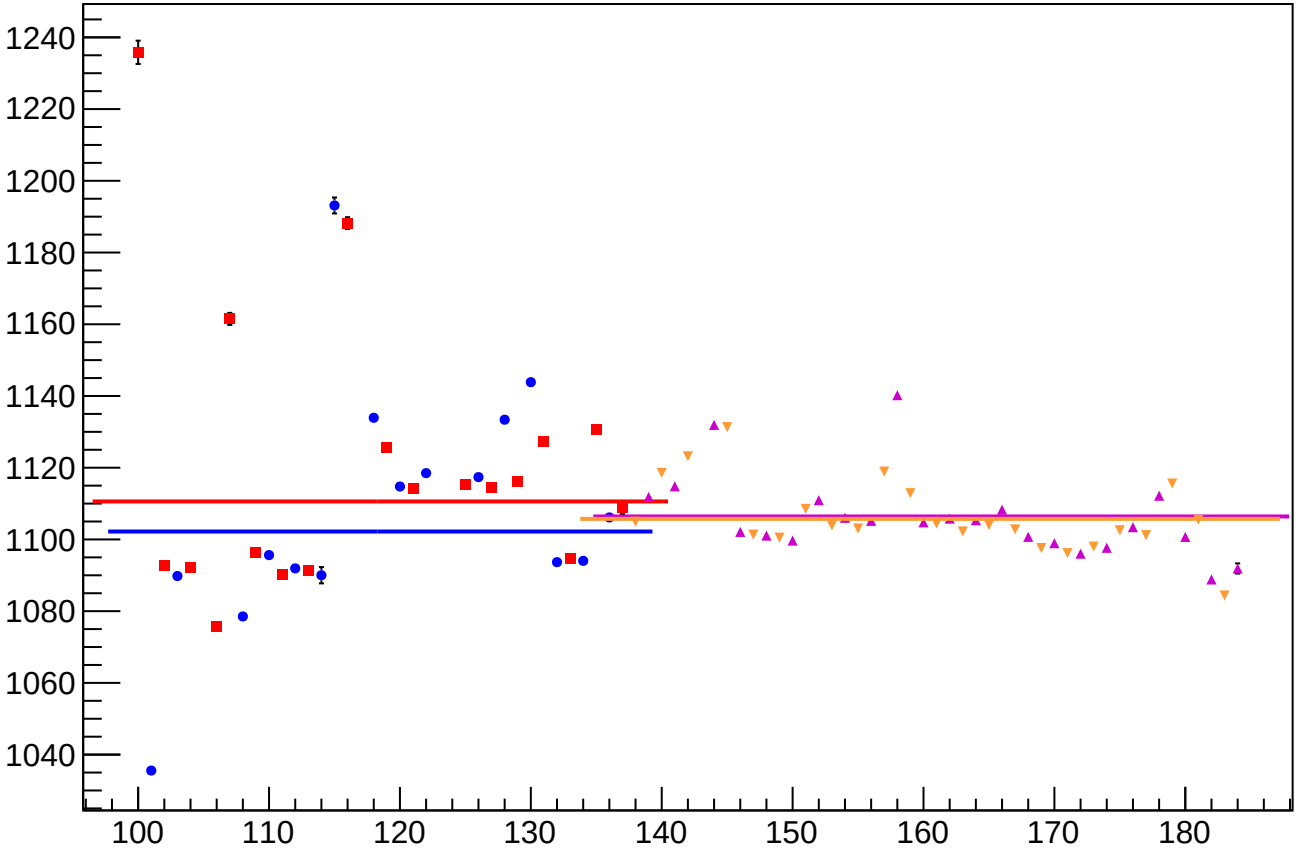
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1884.288+/-218.497 χ^2/NDF:29.4/38

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

All: 1804.712+/-154.510 χ^2/NDF: 57.9/79

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: 1106.405+/-0.183 χ^2/NDF:3776.4/22

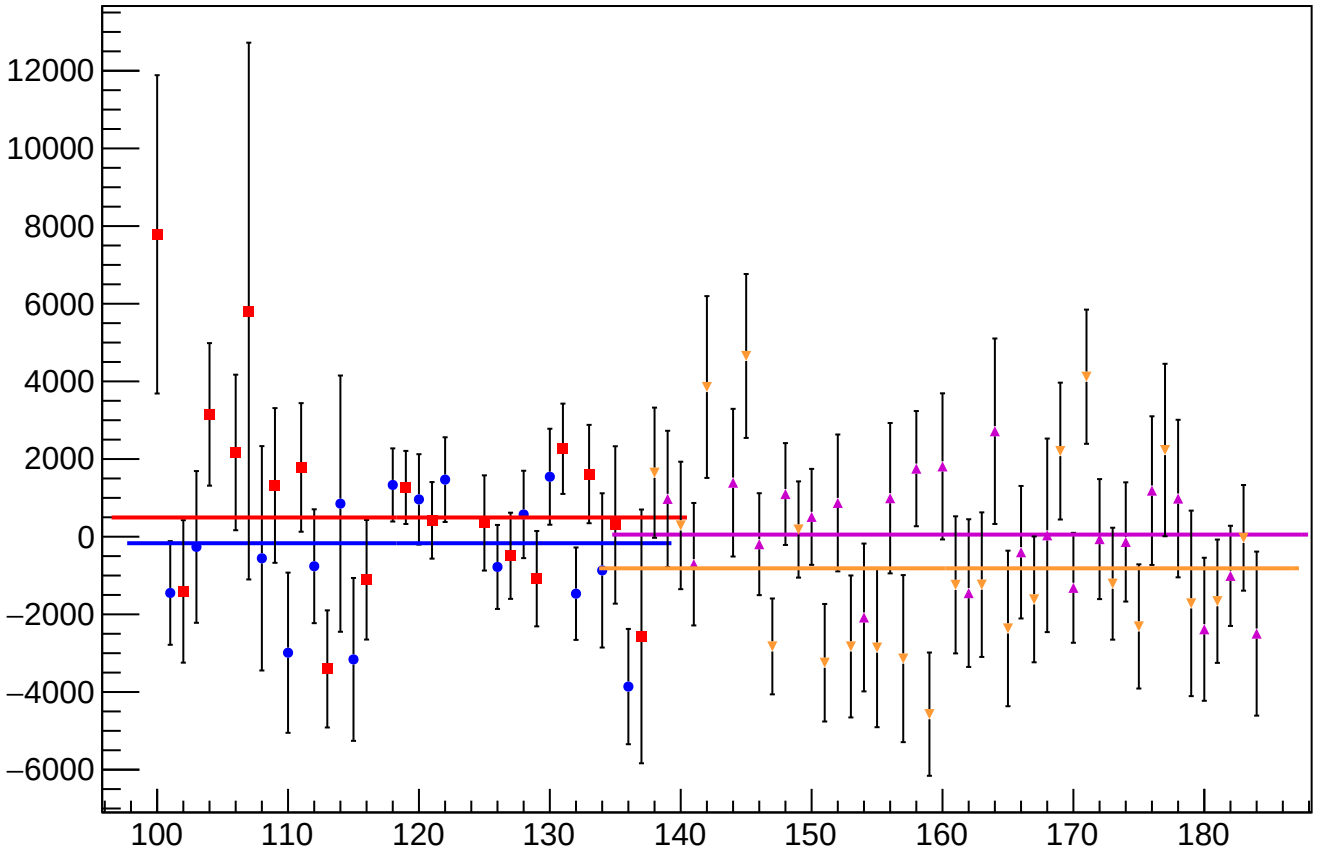
Left: 1106.072+/-0.129 χ^2/NDF: 6544.6/45

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

In: 1105.210+/-0.155 χ^2/NDF:15275.8/38

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

All: 1106.166+/-0.109 χ^2/NDF: 26011.1/79



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: 54.347+/-345.962 χ^2/NDF:13.0/22

Left: -373.384+/-246.437 χ^2/NDF: 59.9/45

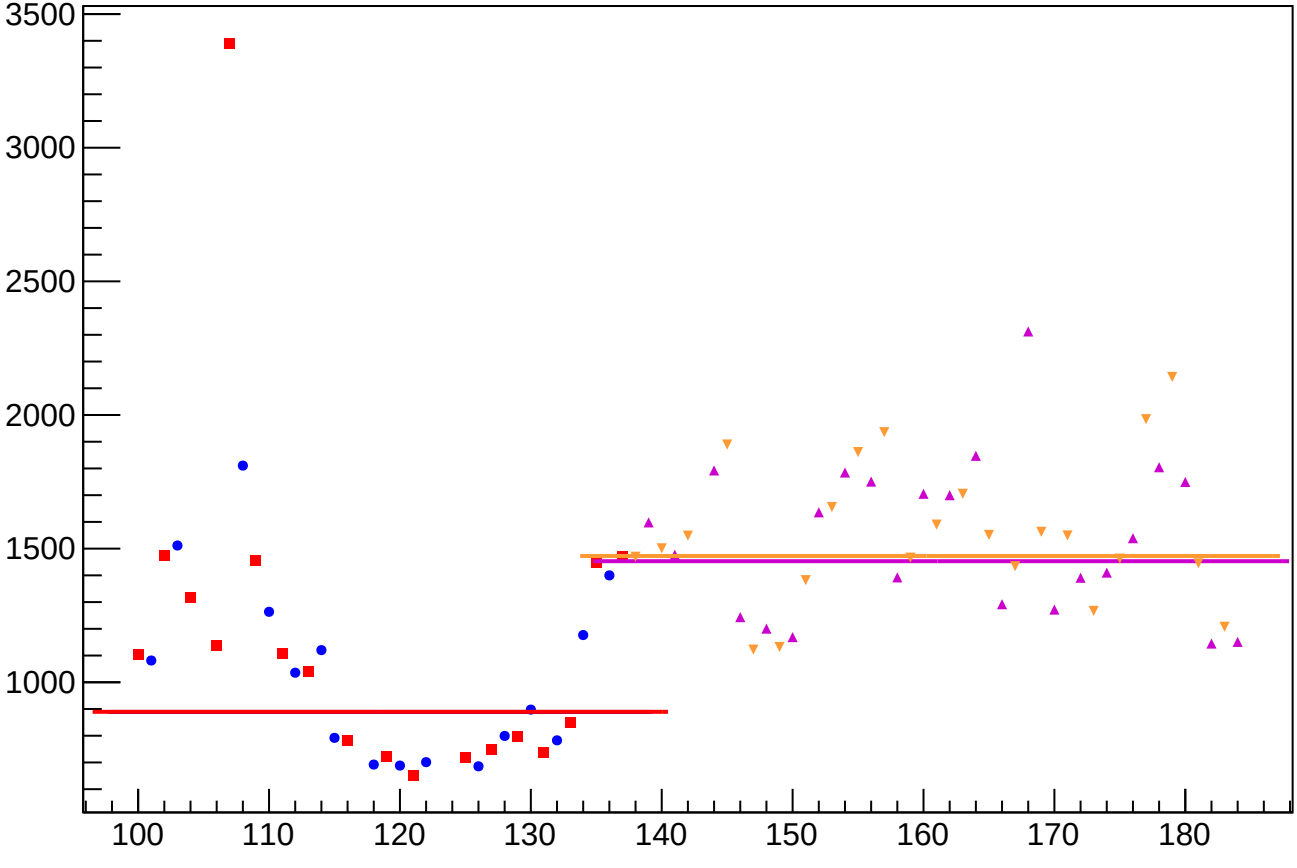
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -56.939+/-244.448 χ^2/NDF:34.3/38

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

All: -102.155+/-173.435 χ^2/NDF: 108.5/79

asym_usl_reg_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: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

Left: 1462.610+/-0.174 χ^2/NDF: 2151560.2/45

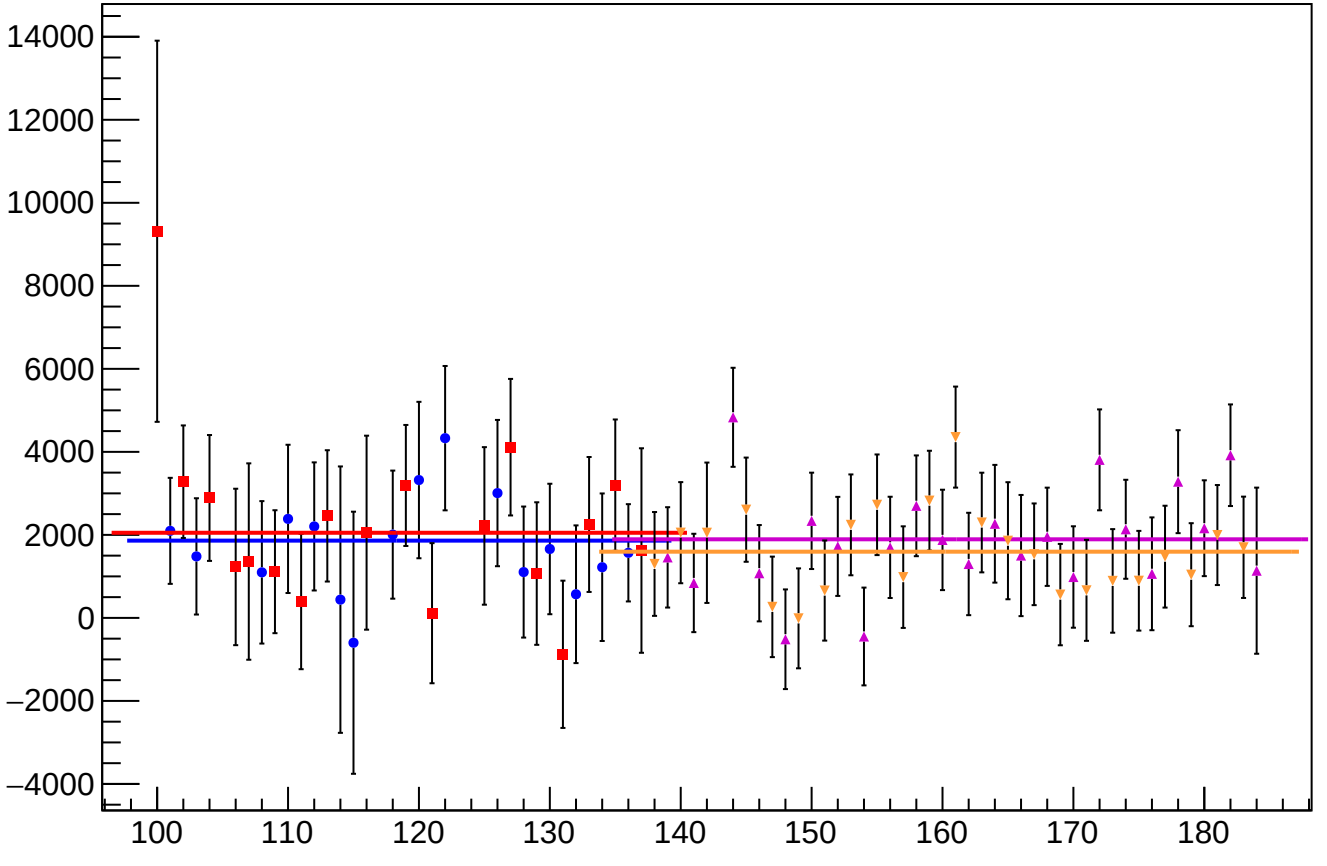
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1170.544+/-0.173 χ^2/NDF:4924261.6/38

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

All: 1173.213+/-0.123 χ^2/NDF: 10094739.6/7

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: 1893.347+/-258.339 χ^2/NDF:24.1/22

Left: 1744.344+/-182.713 χ^2/NDF: 39.5/45

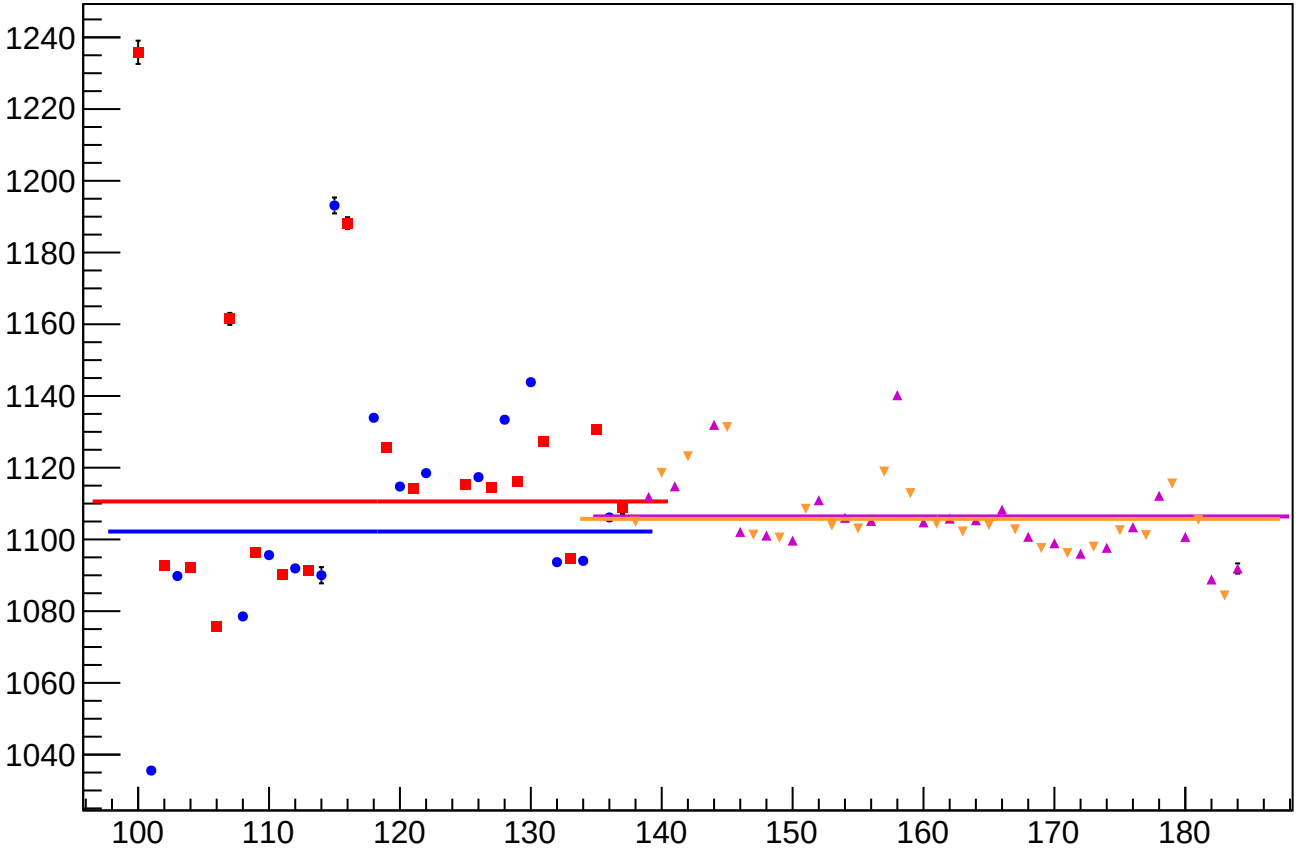
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1884.288+/-218.497 χ^2/NDF:29.4/38

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

All: 1804.712+/-154.510 χ^2/NDF: 57.9/79

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: 1106.405+/-0.183 χ^2/NDF:3776.4/22

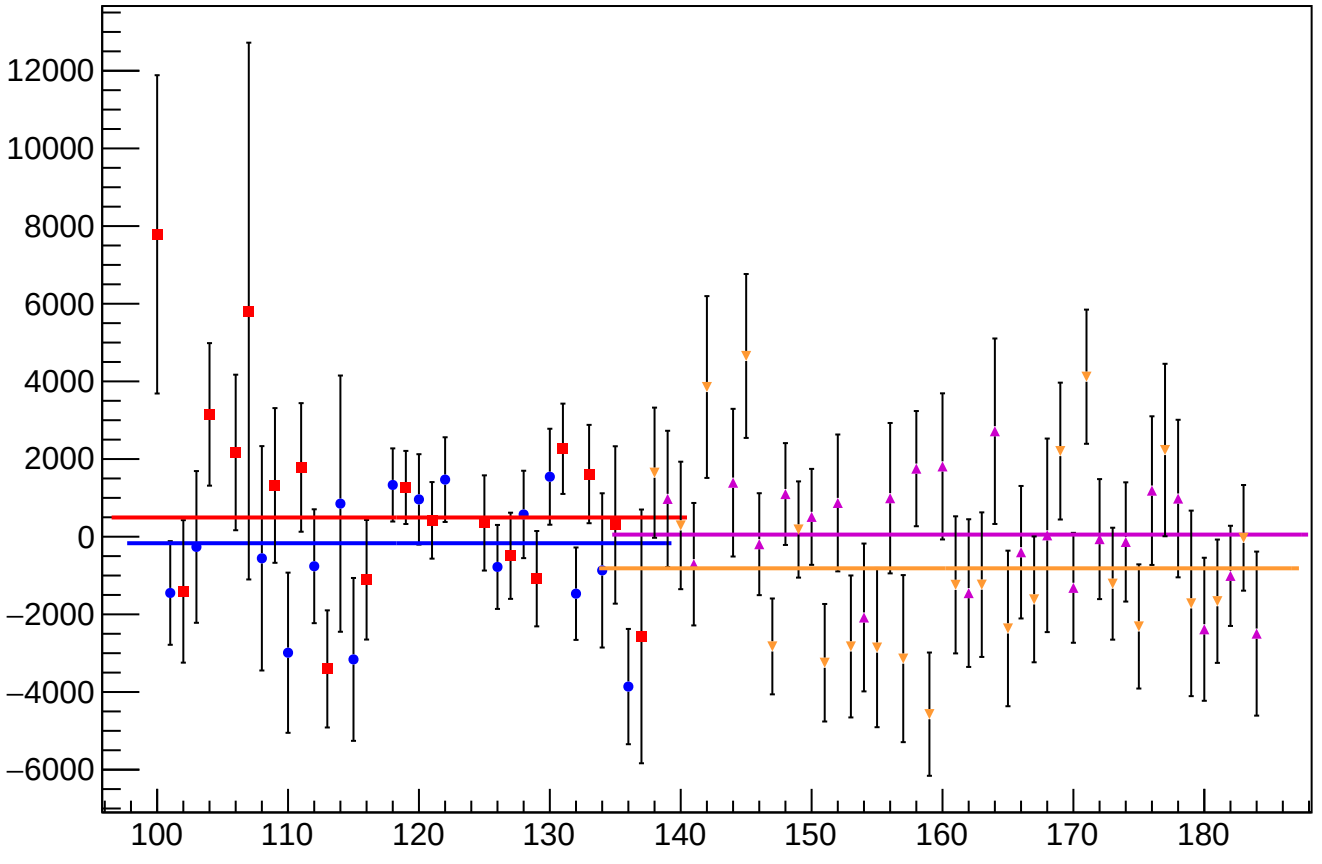
Left: 1106.072+/-0.129 χ^2/NDF: 6544.6/45

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

In: 1105.210+/-0.155 χ^2/NDF:15275.8/38

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

All: 1106.166+/-0.109 χ^2/NDF: 26011.1/79



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: 54.347+/-345.962 χ^2/NDF:13.0/22

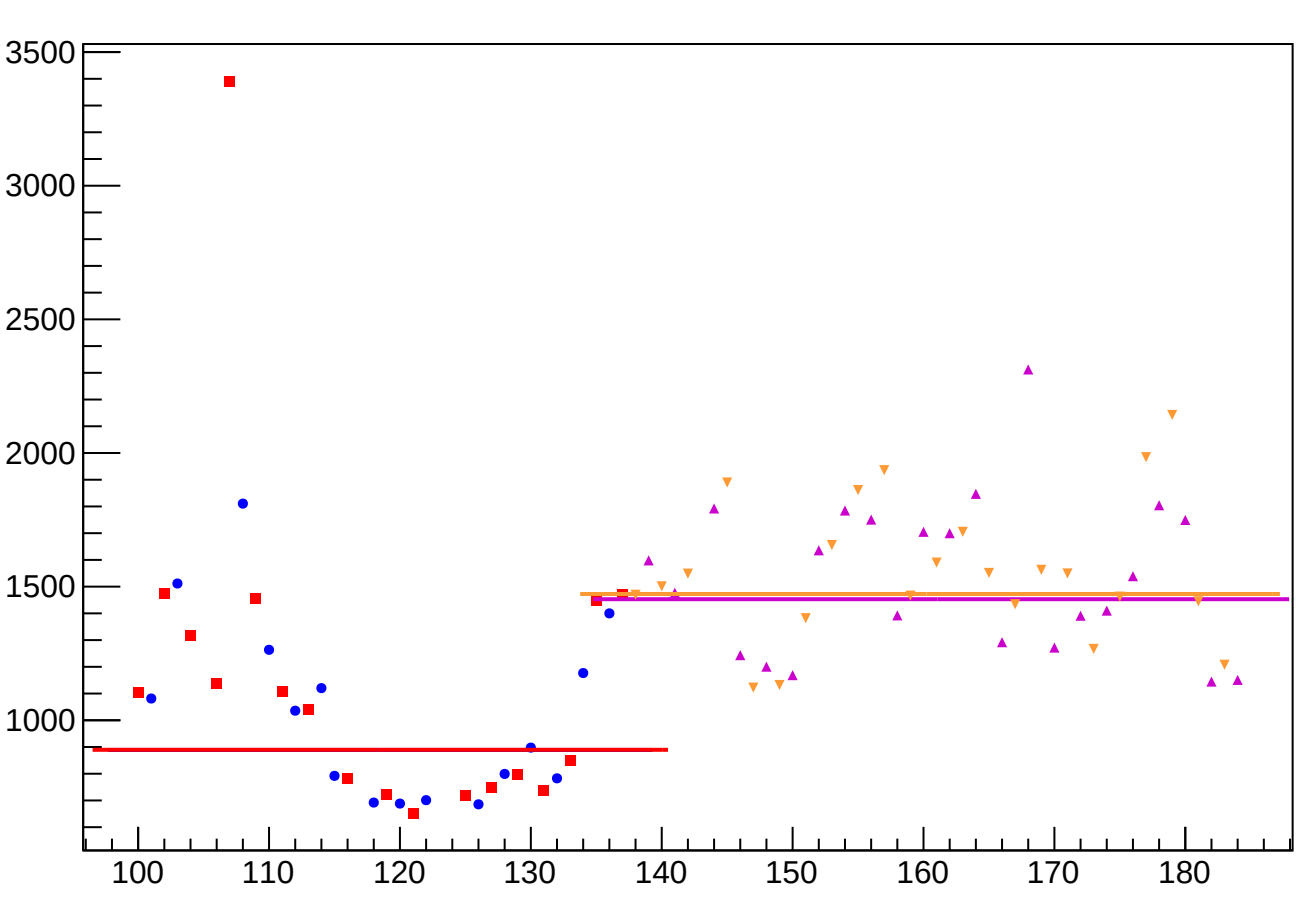
Left: -373.384+/-246.437 χ^2/NDF: 59.9/45

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

In: -56.939+/-244.448 χ^2/NDF:34.3/38

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

All: -102.155+/-173.435 χ^2/NDF: 108.5/79



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: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

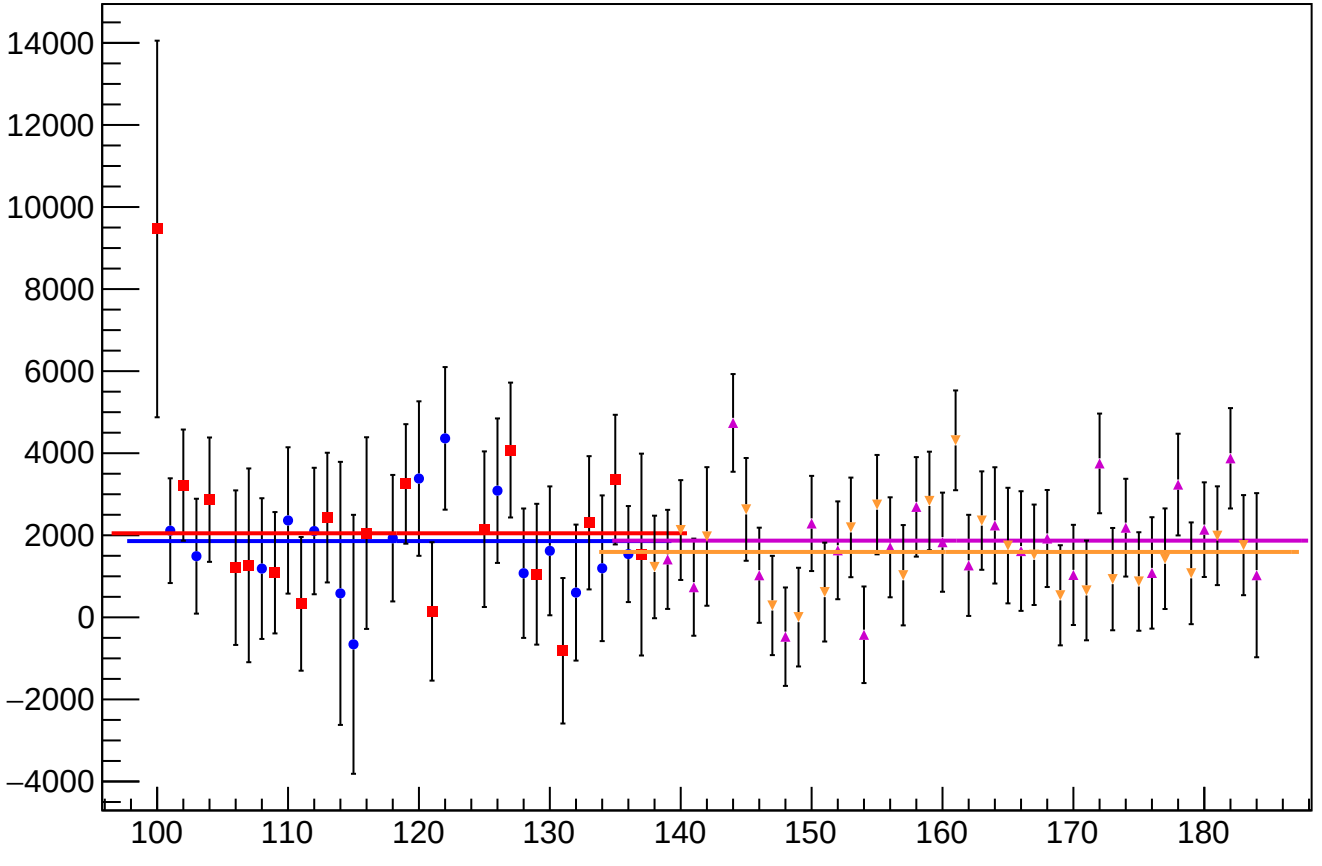
Left: 1462.610+/-0.174 χ^2/NDF: 2151560.2/45

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

In: 1170.544+/-0.173 χ^2/NDF:4924261.6/38

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

All: 1173.213+/-0.123 χ^2/NDF: 10094739.6/7



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: 1869.342+/-258.099 χ^2/NDF:23.4/22

Left: 1731.708+/-182.541 χ^2/NDF: 38.7/45

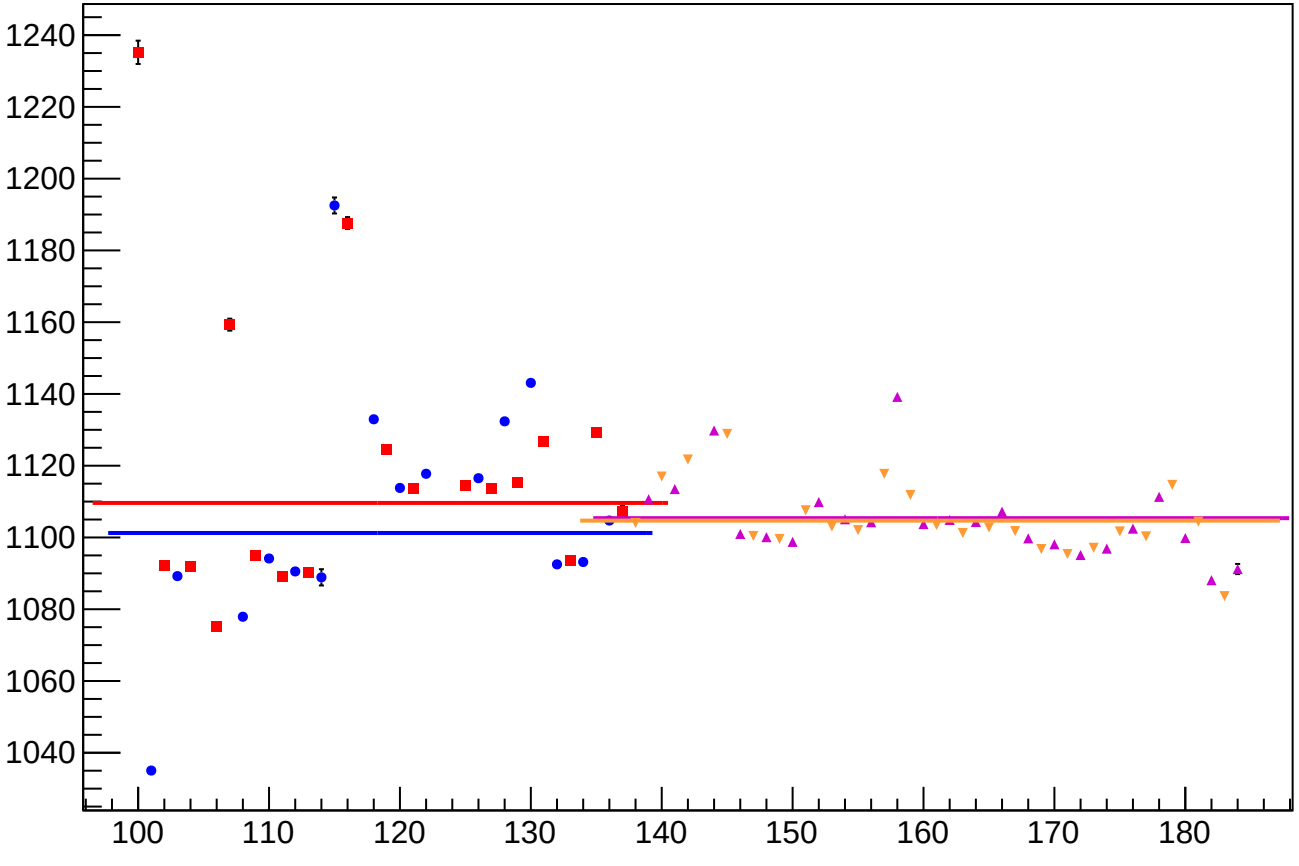
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1866.308+/-218.298 χ^2/NDF:28.8/38

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

All: 1794.957+/-154.368 χ^2/NDF: 57.4/79

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: 1105.380+/-0.183 χ^2/NDF:3661.0/22

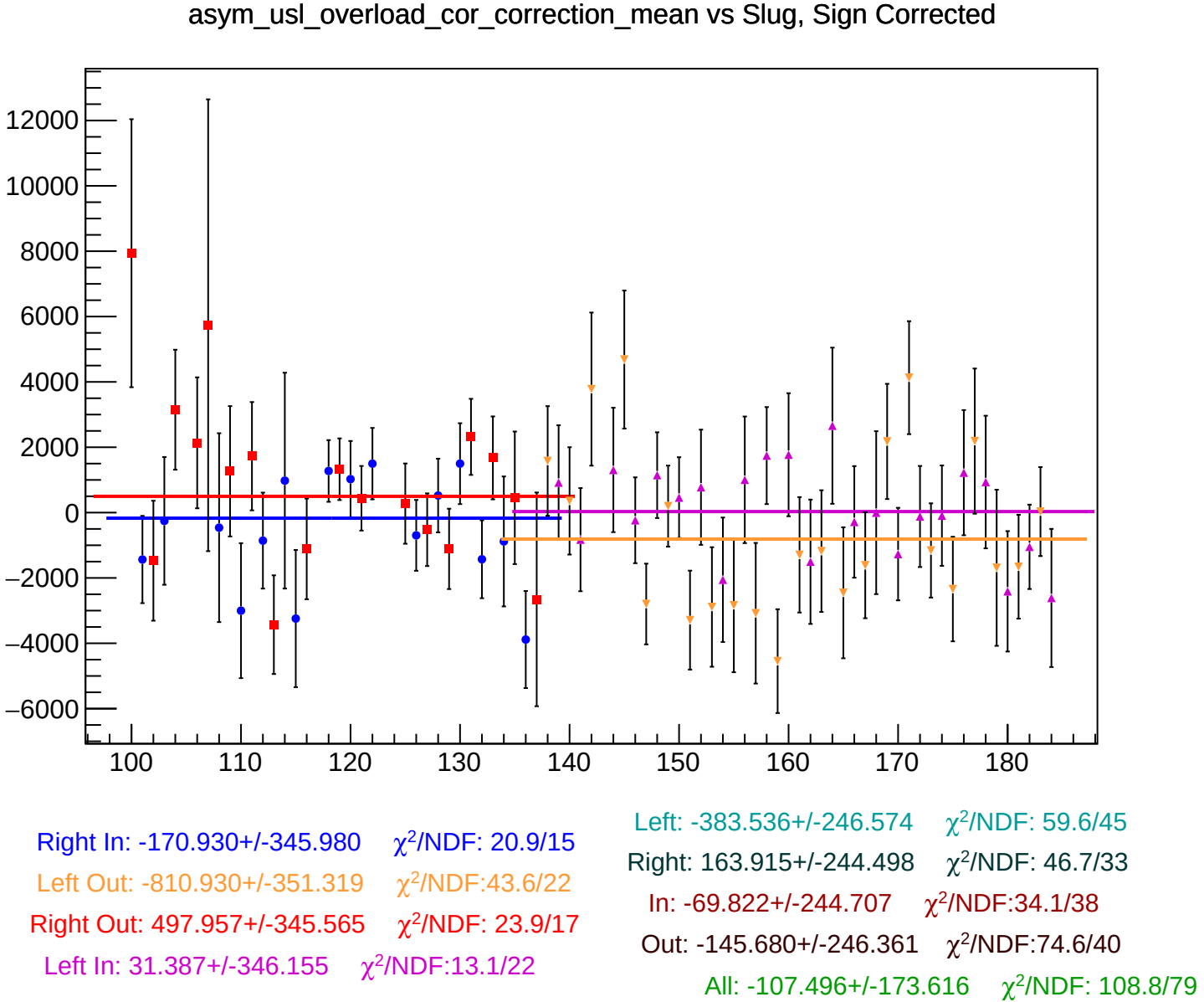
Left: 1105.038+/-0.129 χ^2/NDF: 6277.0/45

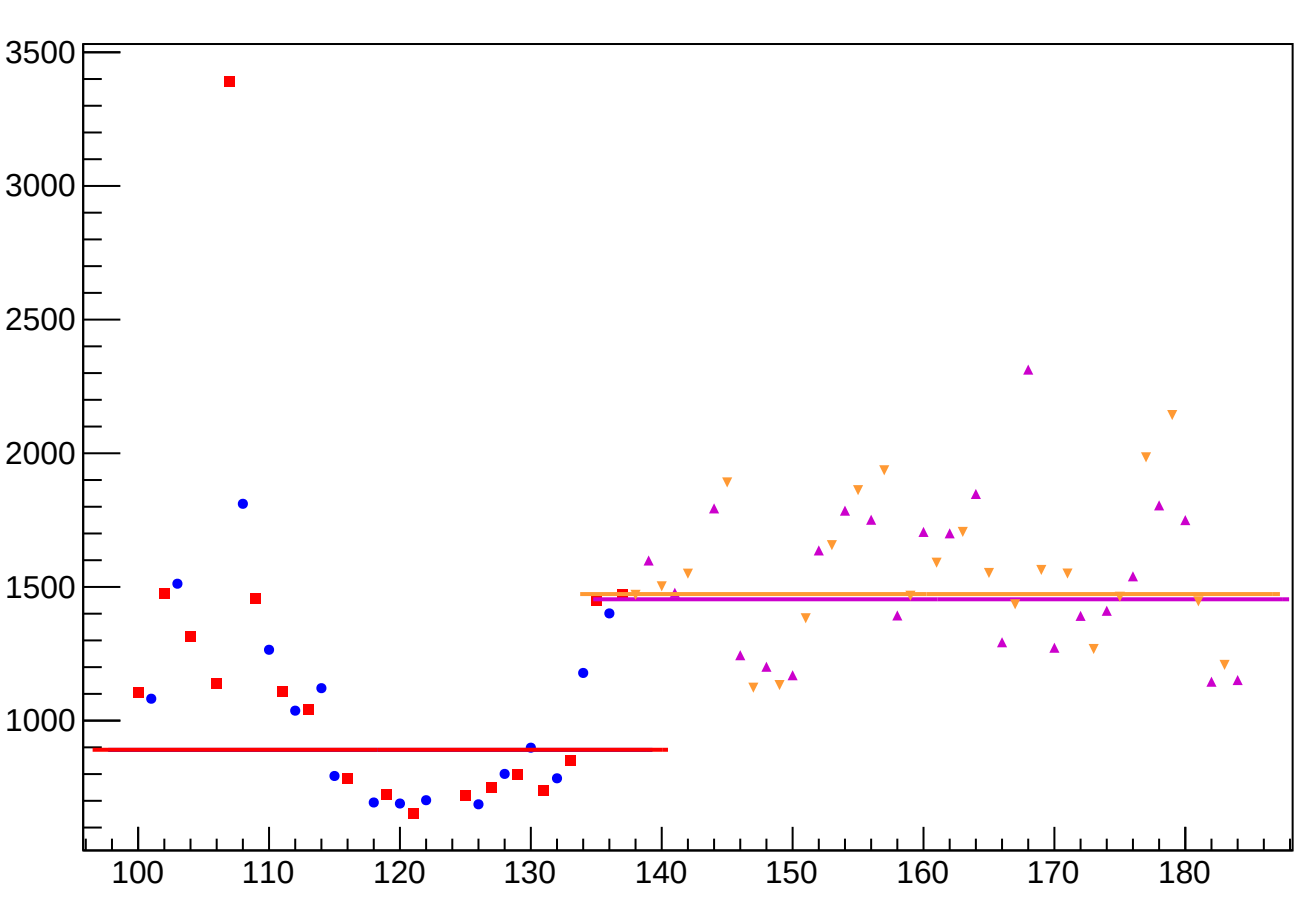
Right: 1105.444+/-0.205 χ^2/NDF: 19400.5/33

In: 1104.206+/-0.154 χ^2/NDF:15114.8/38

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

All: 1105.154+/-0.109 χ^2/NDF: 25680.2/79


asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: -810.930+/-351.319 χ²/NDF:43.6/22
Right Out: 497.957+/-345.565 χ²/NDF: 23.9/17
Left In: 31.387+/-346.155 χ²/NDF:13.1/22
Left: -383.536+/-246.574 χ²/NDF: 59.6/45
Right: 163.915+/-244.498 χ²/NDF: 46.7/33
In: -69.822+/-244.707 χ²/NDF:34.1/38
Out: -145.680+/-246.361 χ²/NDF:74.6/40
All: -107.496+/-173.616 χ²/NDF: 108.8/79



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: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

Left: 1463.465+/-0.174 χ^2/NDF: 2148531.5/45

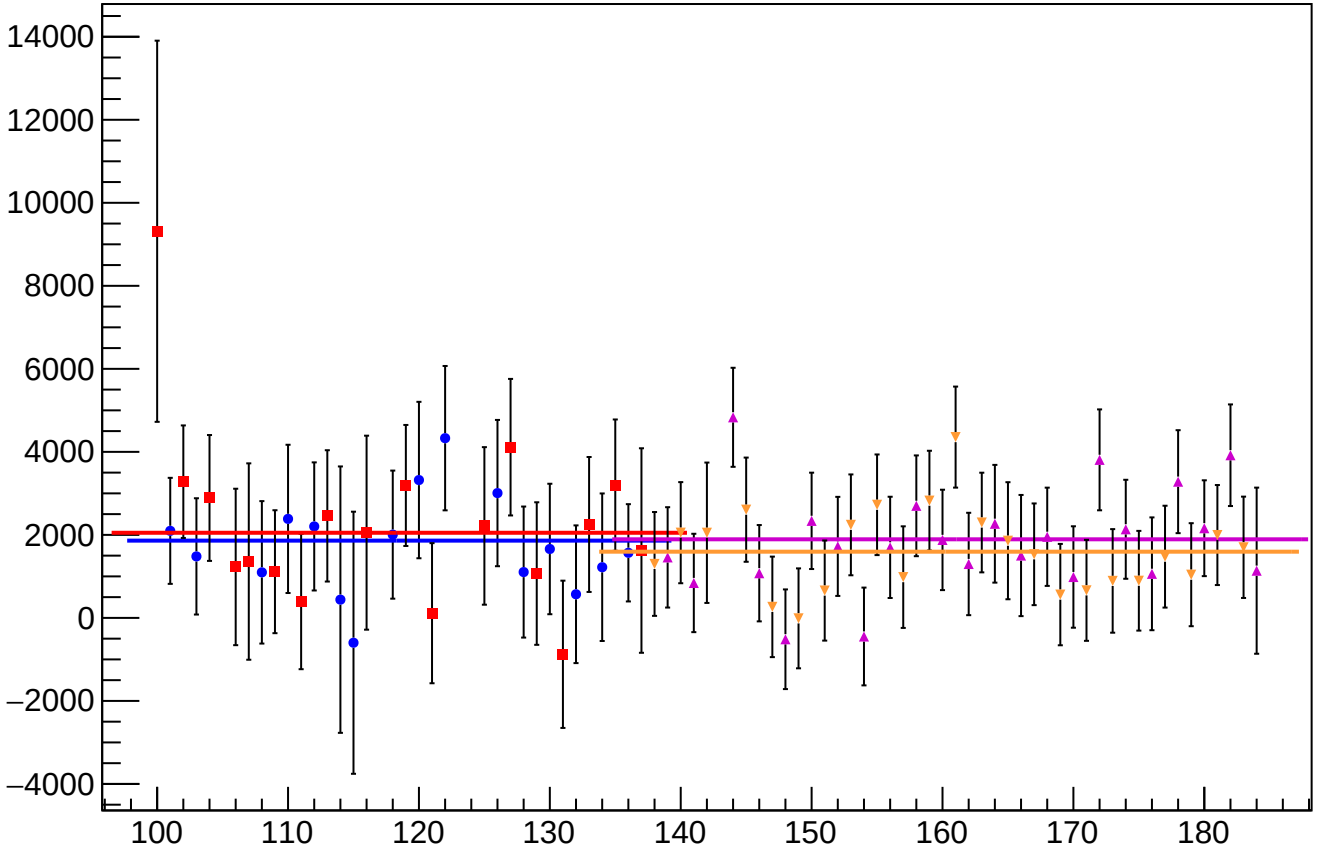
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1172.022+/-0.173 χ^2/NDF:4906565.8/38

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

All: 1174.669+/-0.123 χ^2/NDF: 10060197.3/7

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: 1893.347+/-258.339 χ^2/NDF:24.1/22

Left: 1744.344+/-182.713 χ^2/NDF: 39.5/45

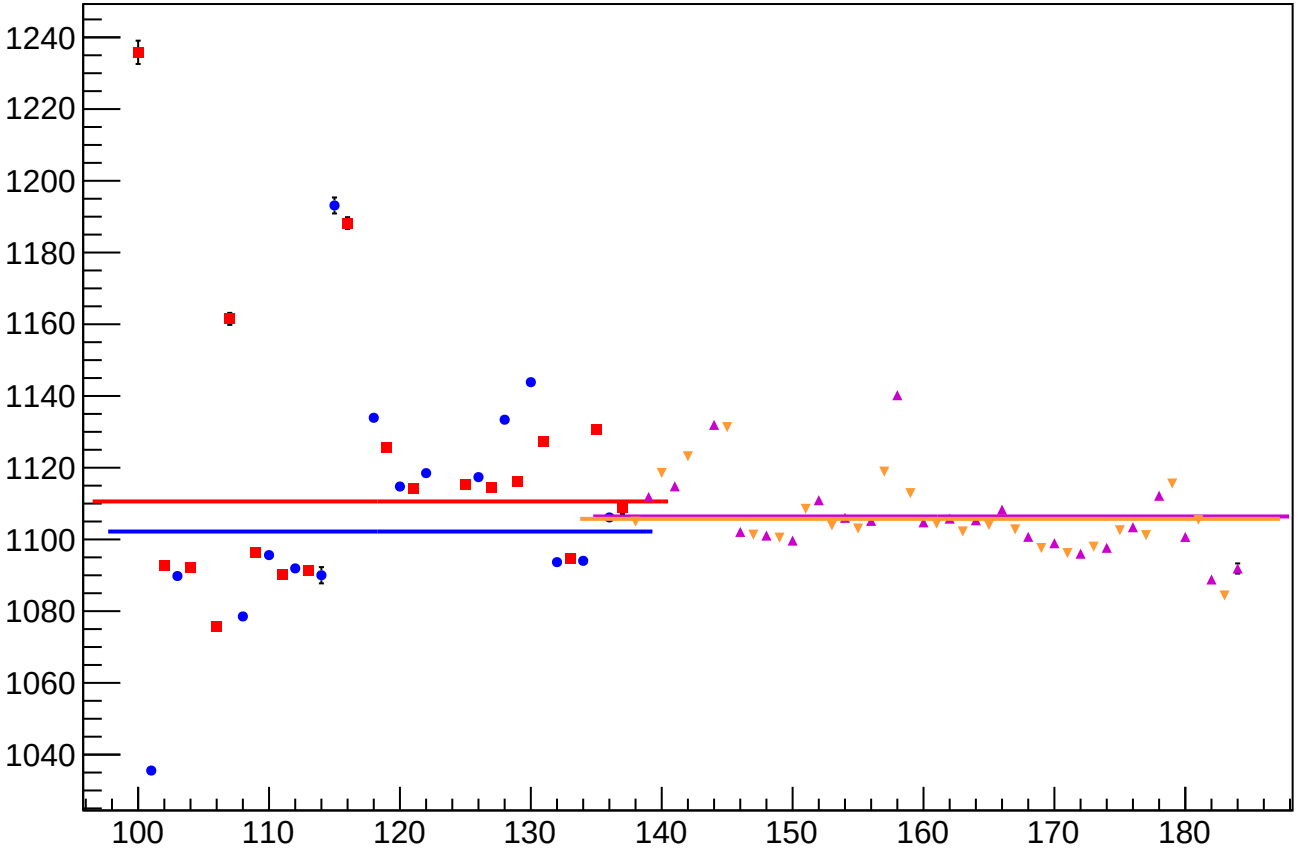
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1884.288+/-218.497 χ^2/NDF:29.4/38

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

All: 1804.712+/-154.510 χ^2/NDF: 57.9/79

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: 1106.405+/-0.183 χ^2/NDF:3776.4/22

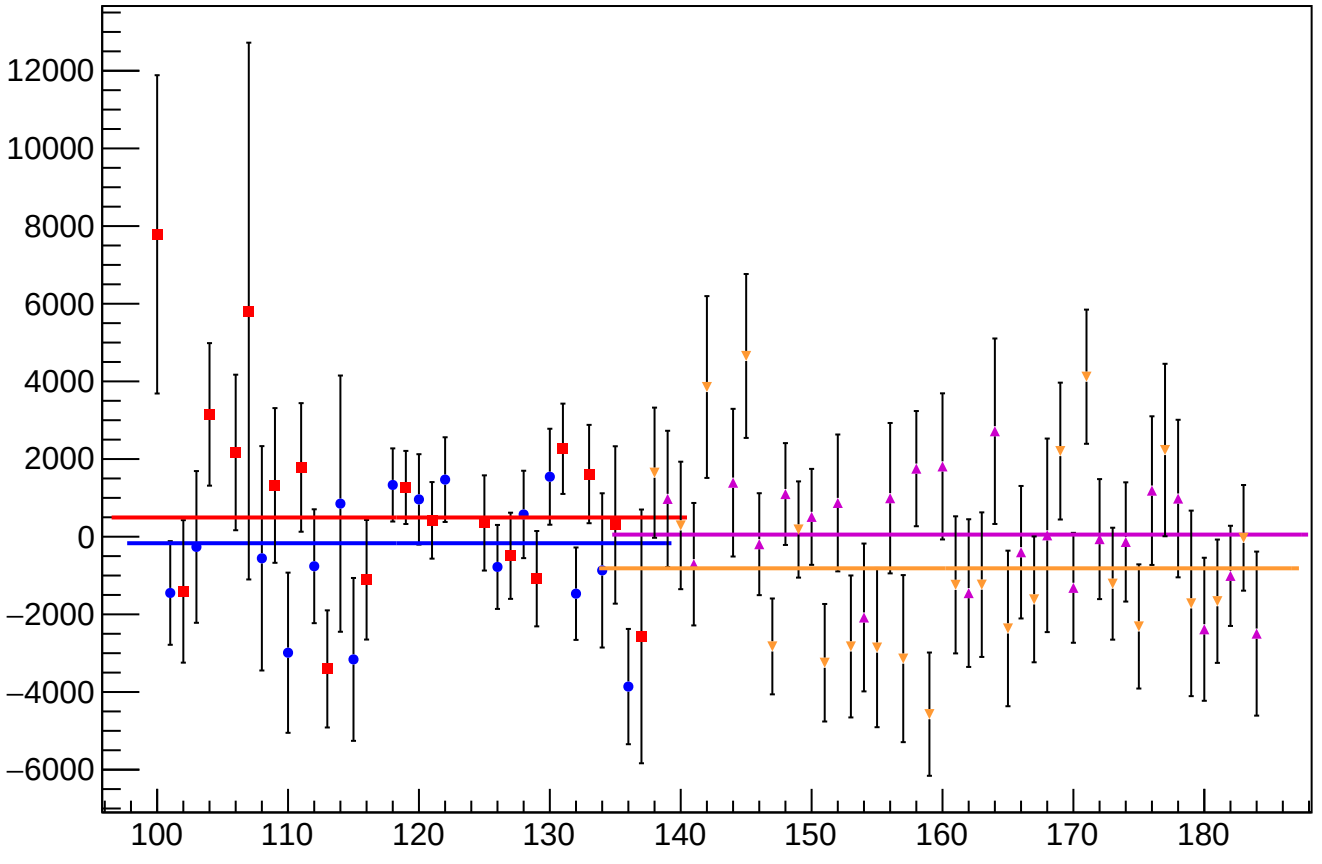
Left: 1106.072+/-0.129 χ^2/NDF: 6544.6/45

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

In: 1105.210+/-0.155 χ^2/NDF:15275.8/38

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

All: 1106.166+/-0.109 χ^2/NDF: 26011.1/79



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: 54.347+/-345.962 χ^2/NDF:13.0/22

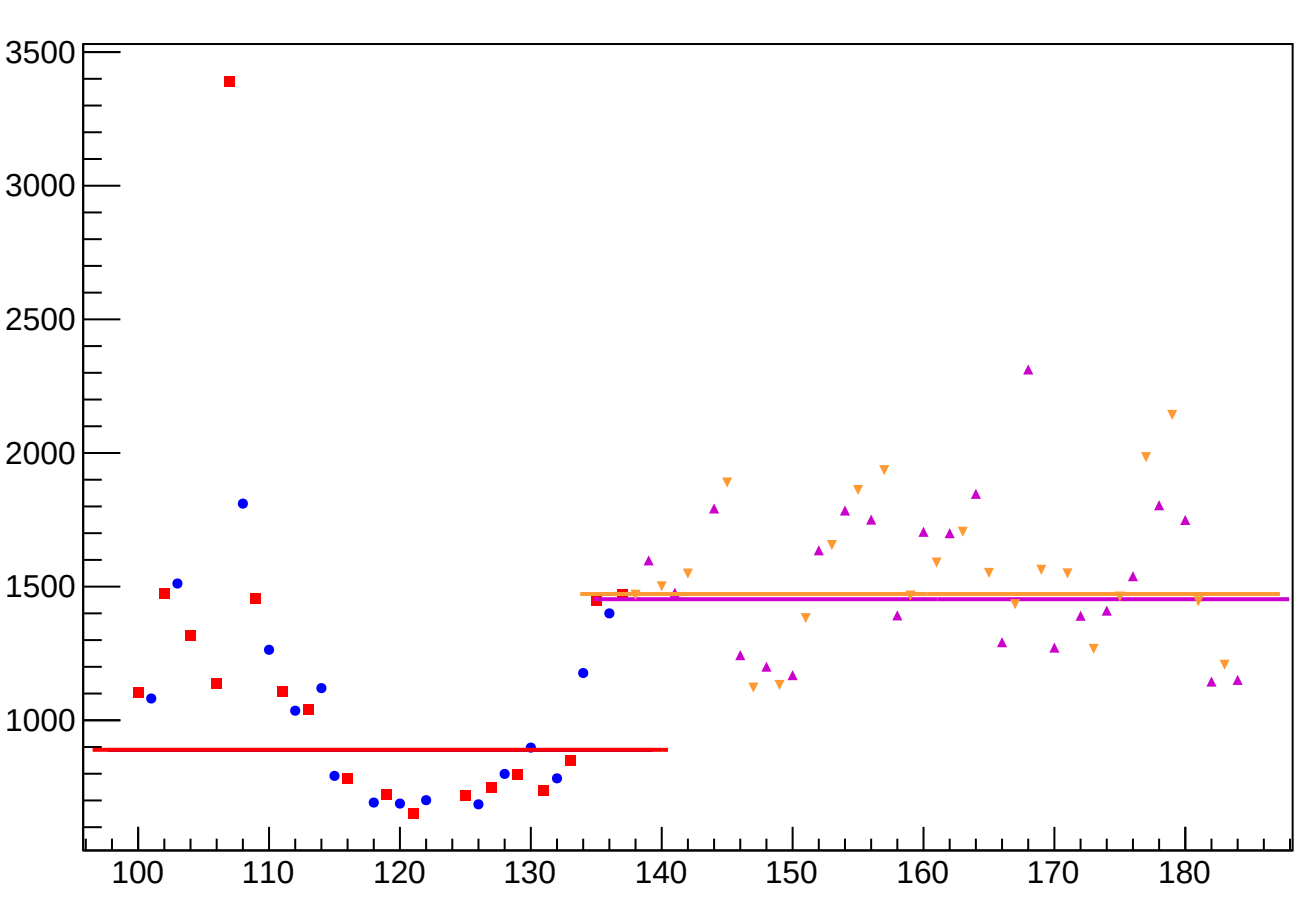
Left: -373.384+/-246.437 χ^2/NDF: 59.9/45

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

In: -56.939+/-244.448 χ^2/NDF:34.3/38

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

All: -102.155+/-173.435 χ^2/NDF: 108.5/79



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: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

Left: 1462.610+/-0.174 χ^2/NDF: 2151560.2/45

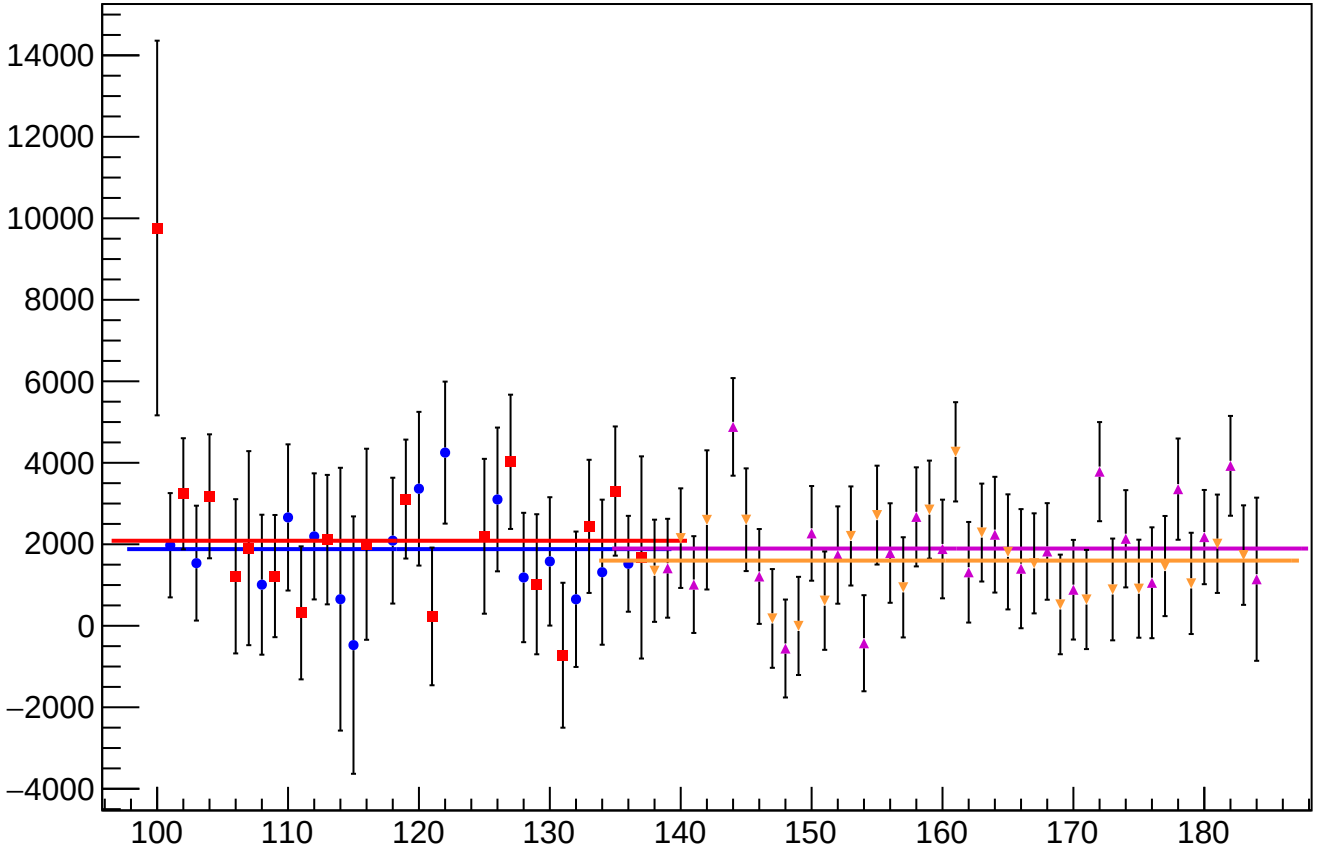
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1170.544+/-0.173 χ^2/NDF:4924261.6/38

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

All: 1173.213+/-0.123 χ^2/NDF: 10094739.6/7

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: 1895.548+/-258.750 χ^2/NDF:24.1/22

Left: 1747.823+/-183.026 χ^2/NDF: 39.8/45

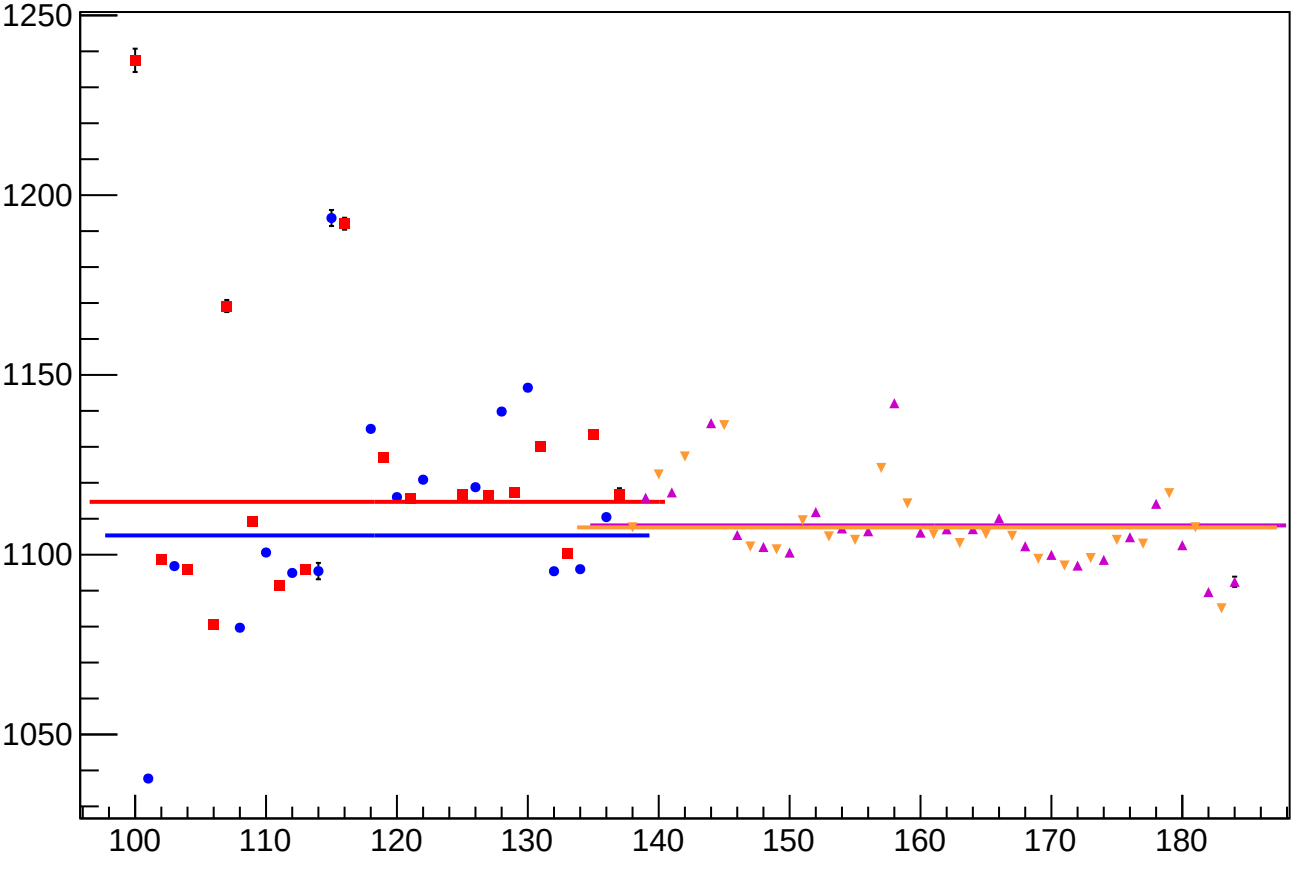
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1891.563+/-218.924 χ^2/NDF:29.3/38

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

All: 1815.006+/-154.845 χ^2/NDF: 57.9/79

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: 1108.145+/-0.183 χ^2/NDF:4190.5/22

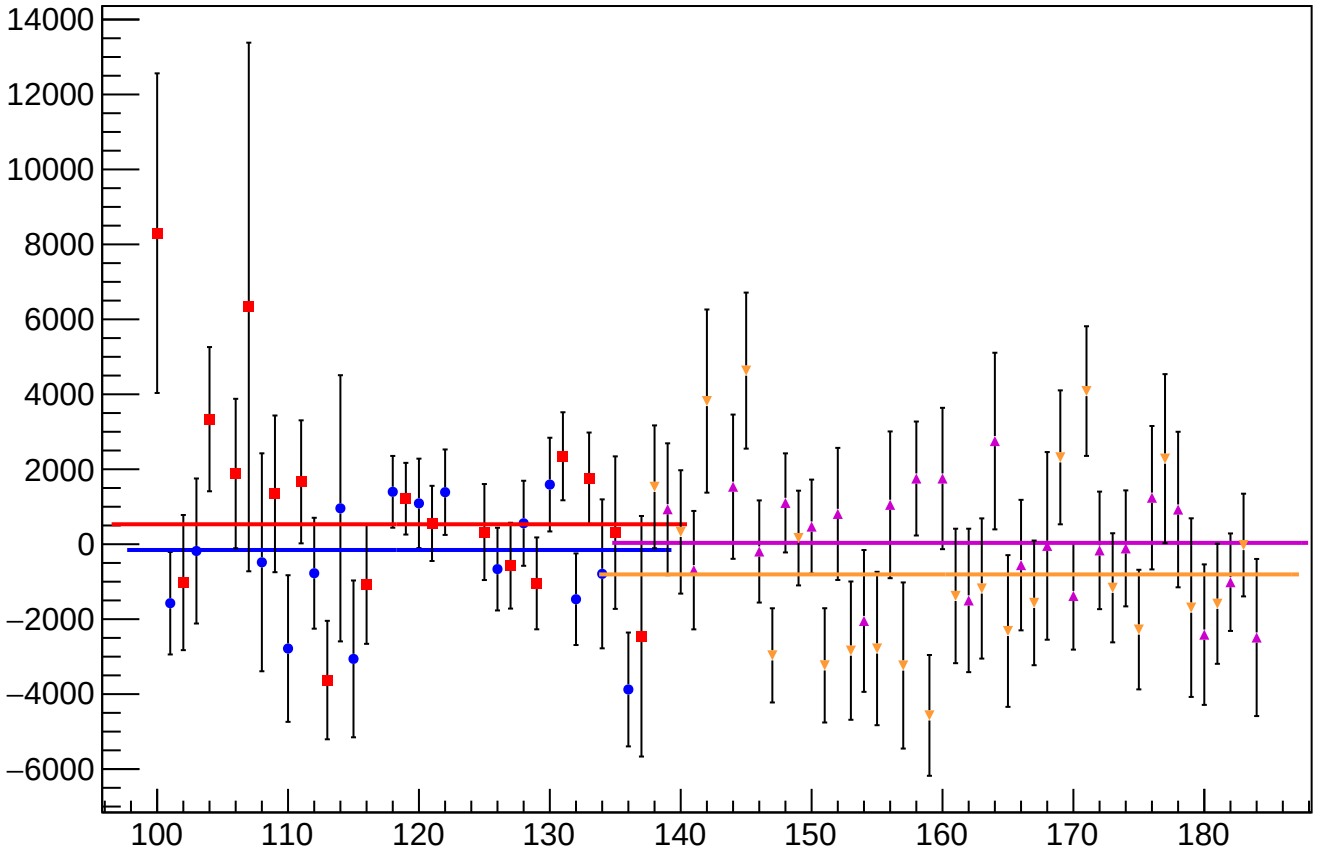
Left: 1107.869+/-0.129 χ^2/NDF: 7543.0/45

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

In: 1107.353+/-0.155 χ^2/NDF:15587.5/38

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

All: 1108.483+/-0.109 χ^2/NDF: 26801.6/79



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: 35.516+/-349.636 χ^2/NDF:13.1/22

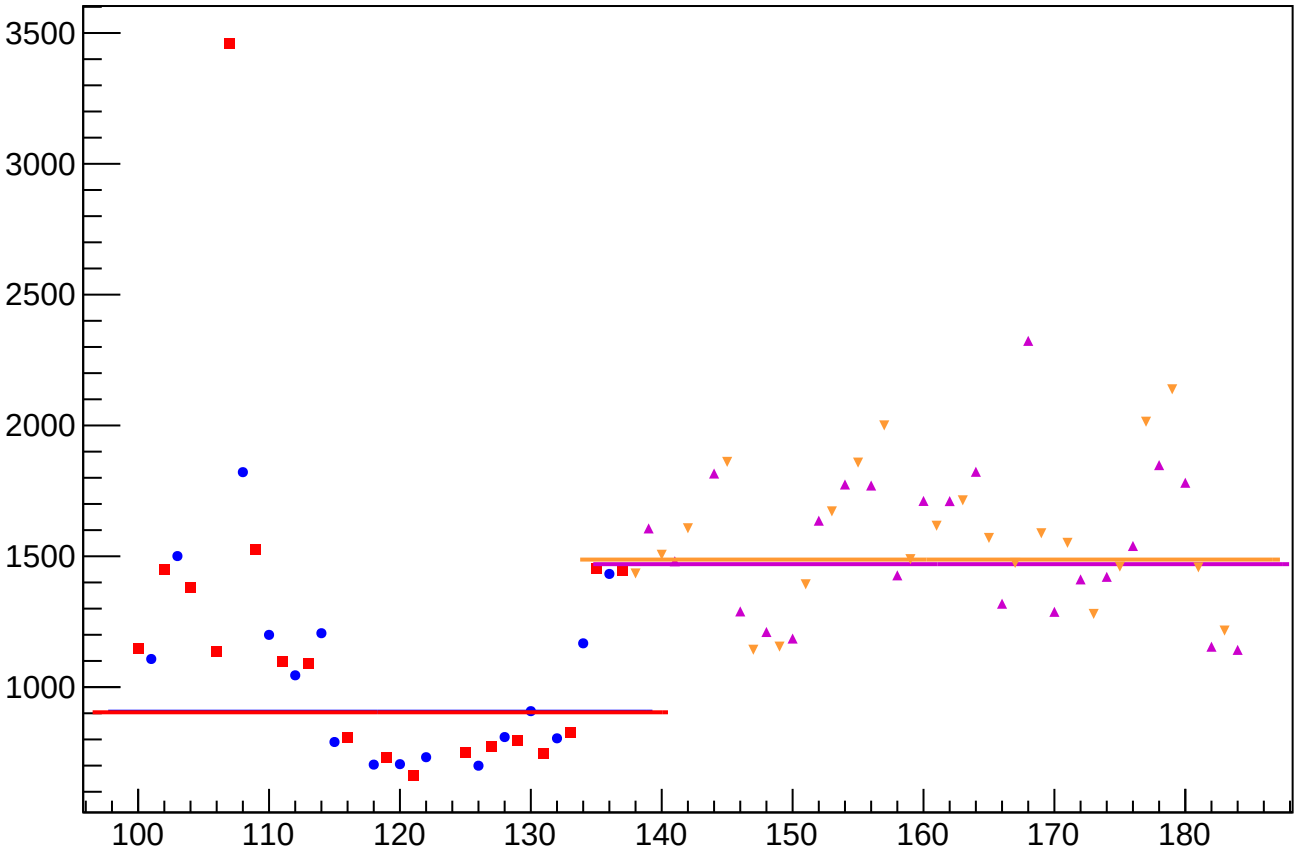
Left: -379.287+/-248.919 χ^2/NDF: 59.2/45

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

In: -58.787+/-247.822 χ^2/NDF:33.7/38

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

All: -93.717+/-175.721 χ^2/NDF: 107.5/79



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: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

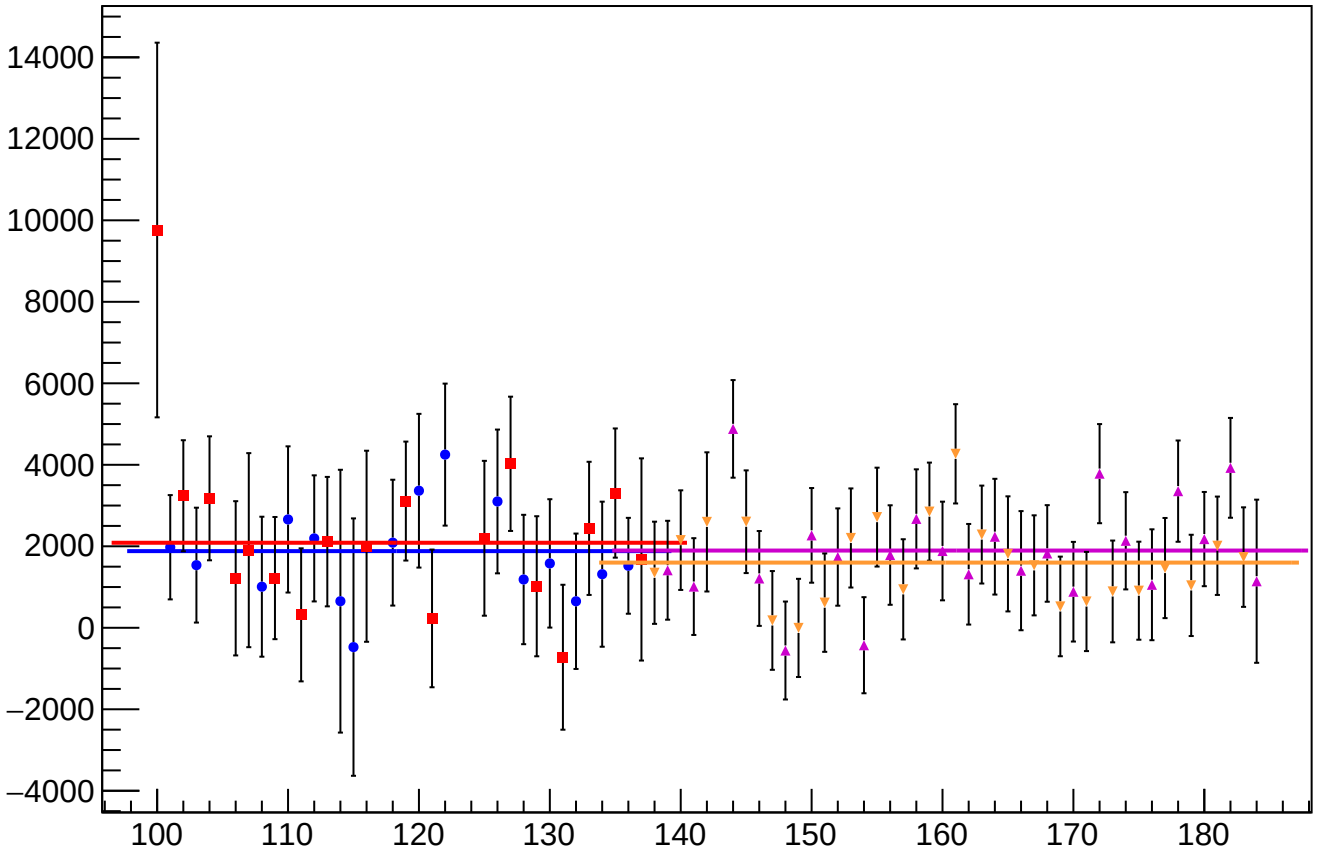
Left: 1478.564+/-0.176 χ^2/NDF: 2089185.5/45

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

In: 1189.324+/-0.175 χ^2/NDF:4762935.7/38

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

All: 1190.778+/-0.124 χ^2/NDF: 9837661.1/79



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: 1895.549+/-258.750 χ^2/NDF:24.1/22

Left: 1747.822+/-183.026 χ^2/NDF: 39.8/45

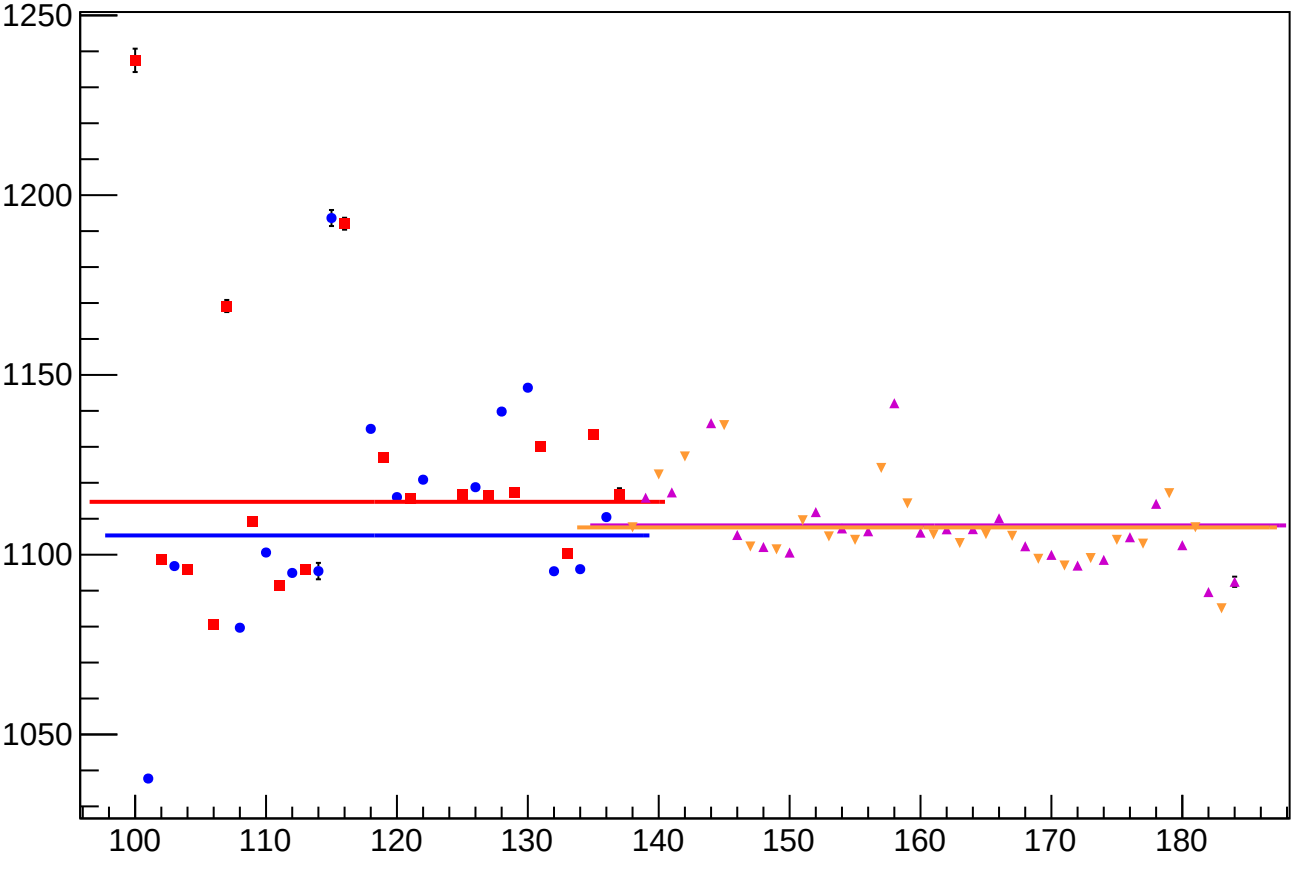
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1891.564+/-218.924 χ^2/NDF:29.3/38

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

All: 1815.005+/-154.845 χ^2/NDF: 57.9/79

eigen_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: 7330.2/17

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

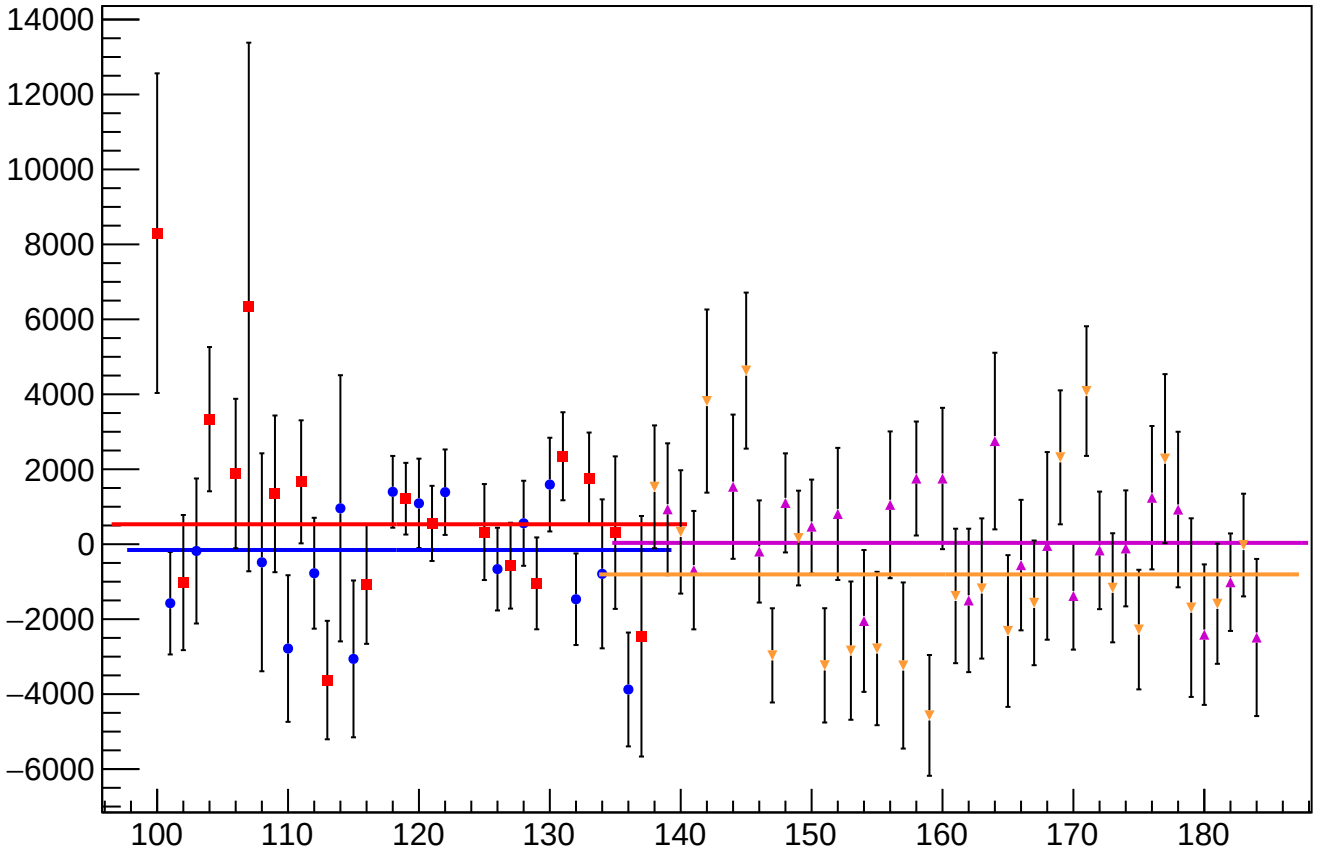
Left: 1107.869+/-0.129 χ^2/NDF: 7543.0/45

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

In: 1107.353+/-0.155 χ^2/NDF:15587.5/38

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

All: 1108.483+/-0.109 χ^2/NDF: 26801.5/79



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: 35.516+/-349.636 χ^2/NDF:13.1/22

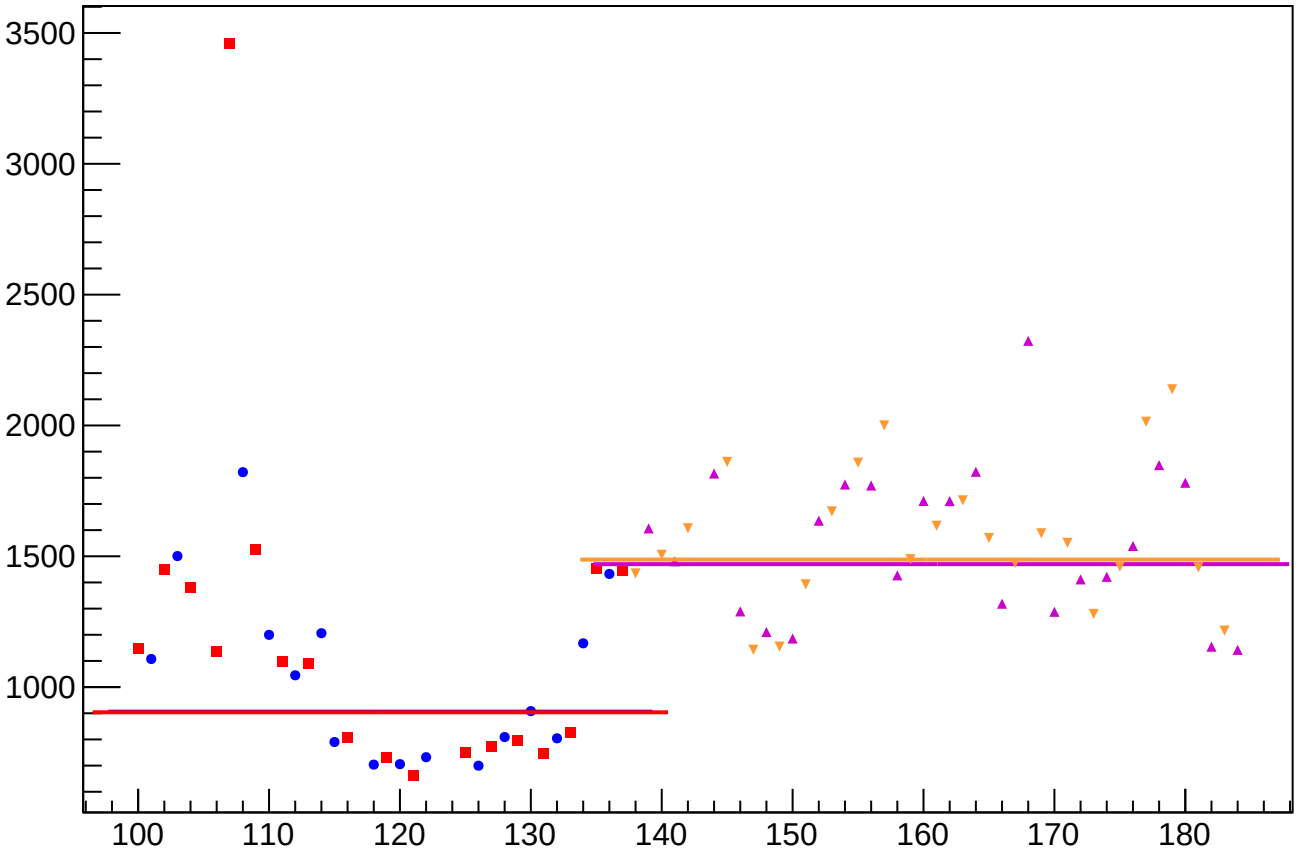
Left: -379.288+/-248.919 χ^2/NDF: 59.2/45

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

In: -58.786+/-247.822 χ^2/NDF:33.7/38

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

All: -93.717+/-175.721 χ^2/NDF: 107.5/79



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1487.464+/-0.251 χ^2/NDF:991639.4/22

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

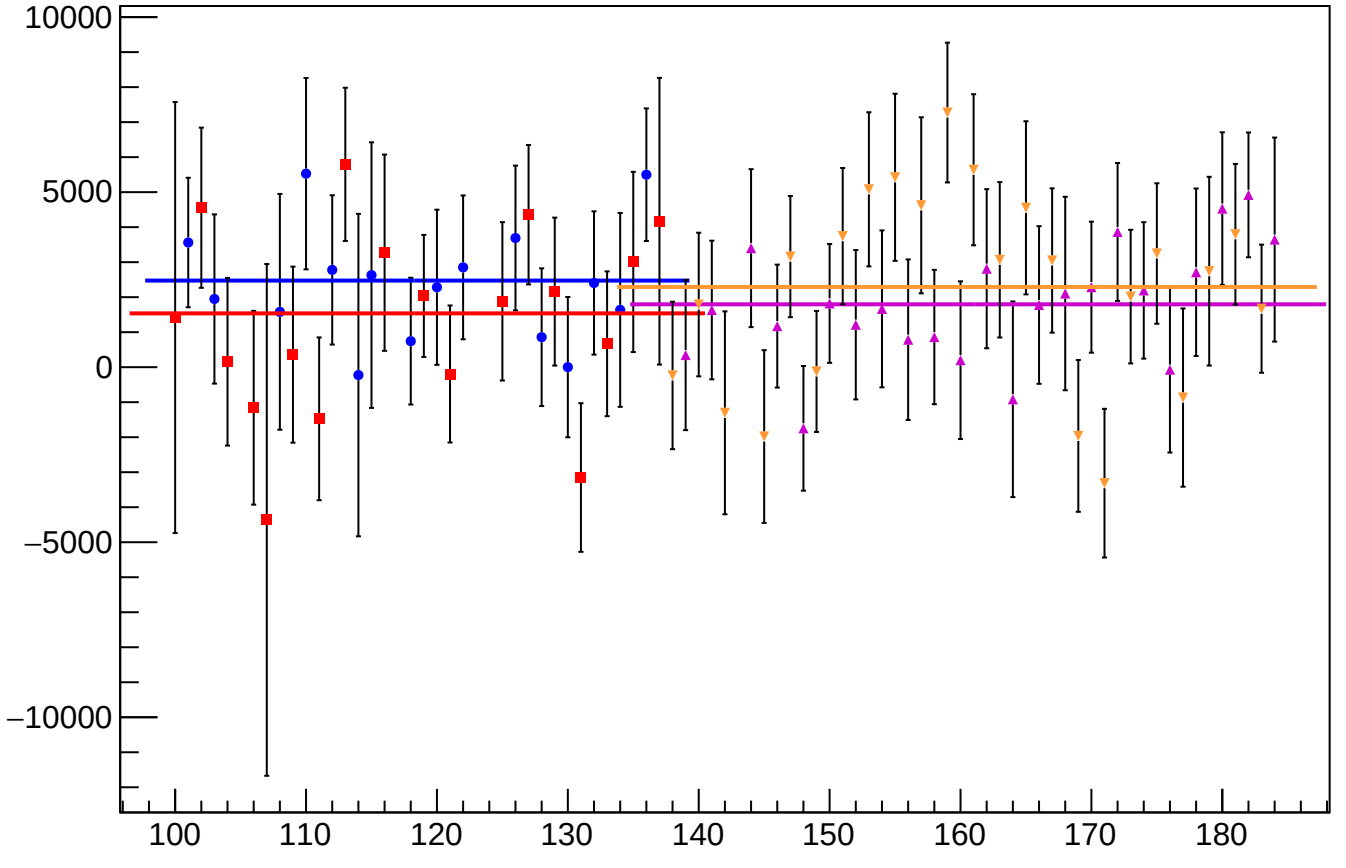
Left: 1478.566+/-0.176 χ^2/NDF: 2089180.0/45

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

In: 1189.323+/-0.175 χ^2/NDF:4762971.3/38

Out: 1192.248+/-0.176 χ^2/NDF:5074623.8/40

All: 1190.777+/-0.124 χ^2/NDF: 9837733.6/79



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: 1796.308+/-439.143 χ^2/NDF:14.2/22

Left: 2040.720+/-312.076 χ^2/NDF: 50.9/45

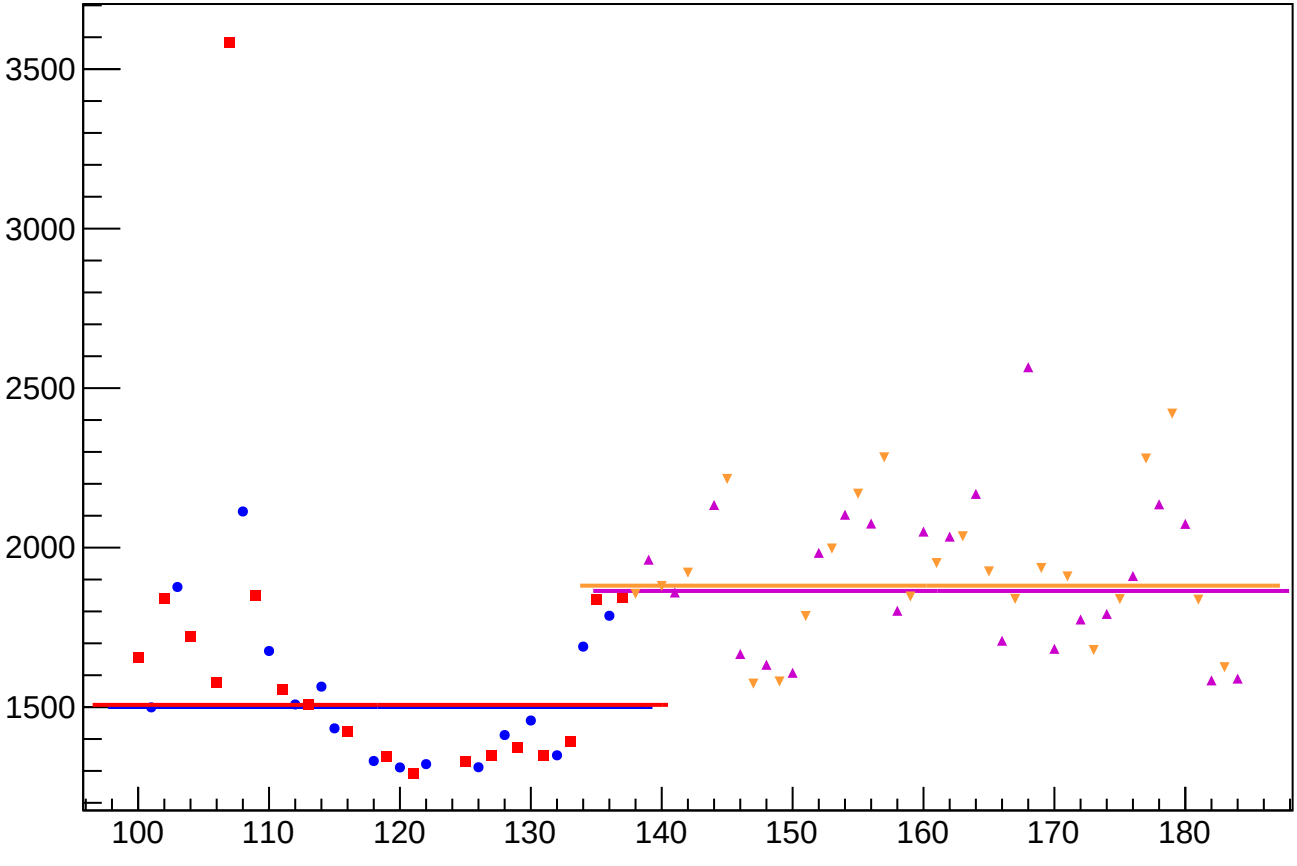
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 2052.797+/-346.217 χ^2/NDF:23.4/38

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

All: 2027.656+/-245.635 χ^2/NDF: 79.0/79

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: 1864.162+/-0.311 χ^2/NDF:510600.5/22

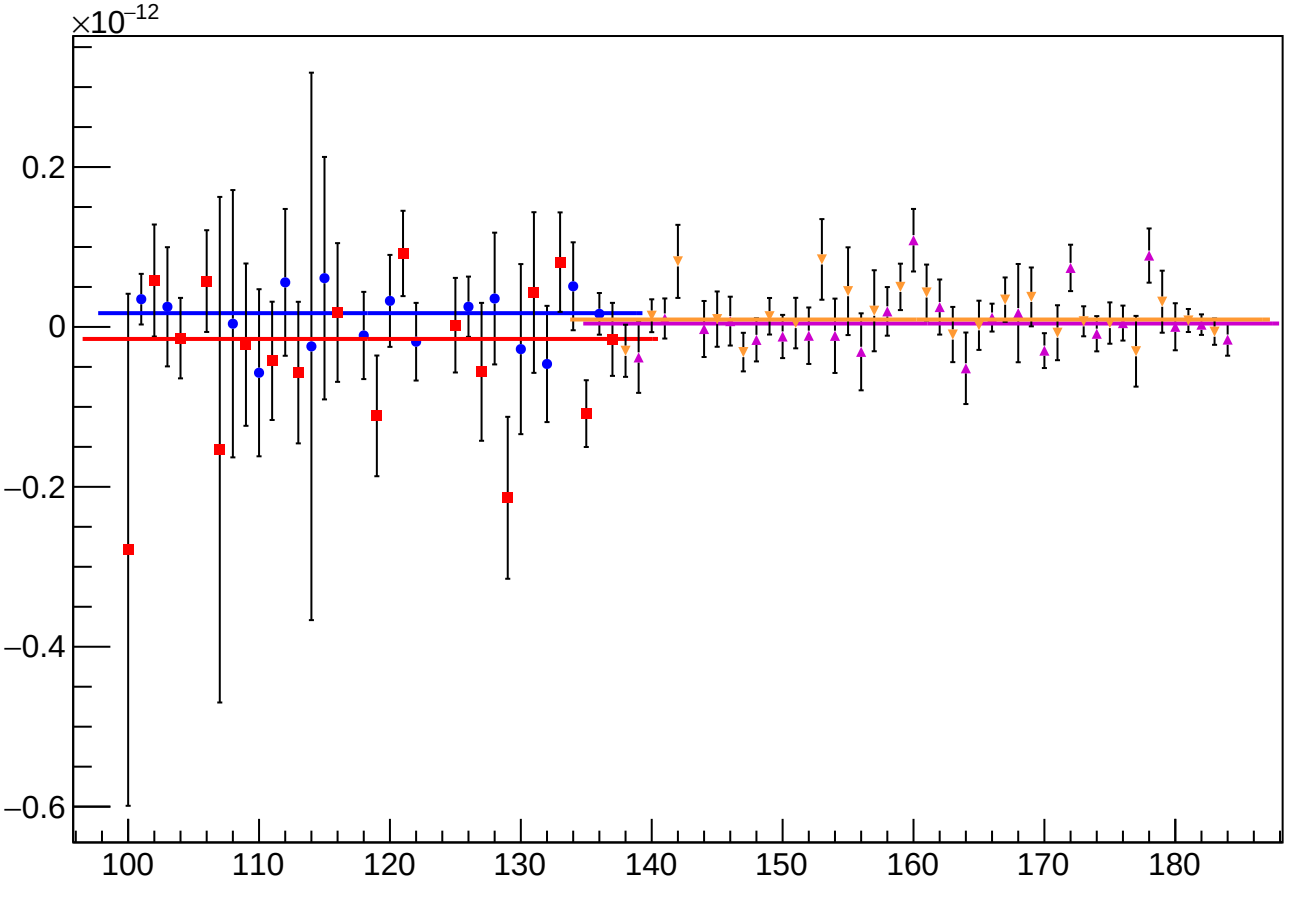
Left: 1872.386+/-0.221 χ^2/NDF: 971453.7/45

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

In: 1726.492+/-0.245 χ^2/NDF:1288793.9/38

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

All: 1732.124+/-0.174 χ^2/NDF: 2693481.4/79



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:28.1/22

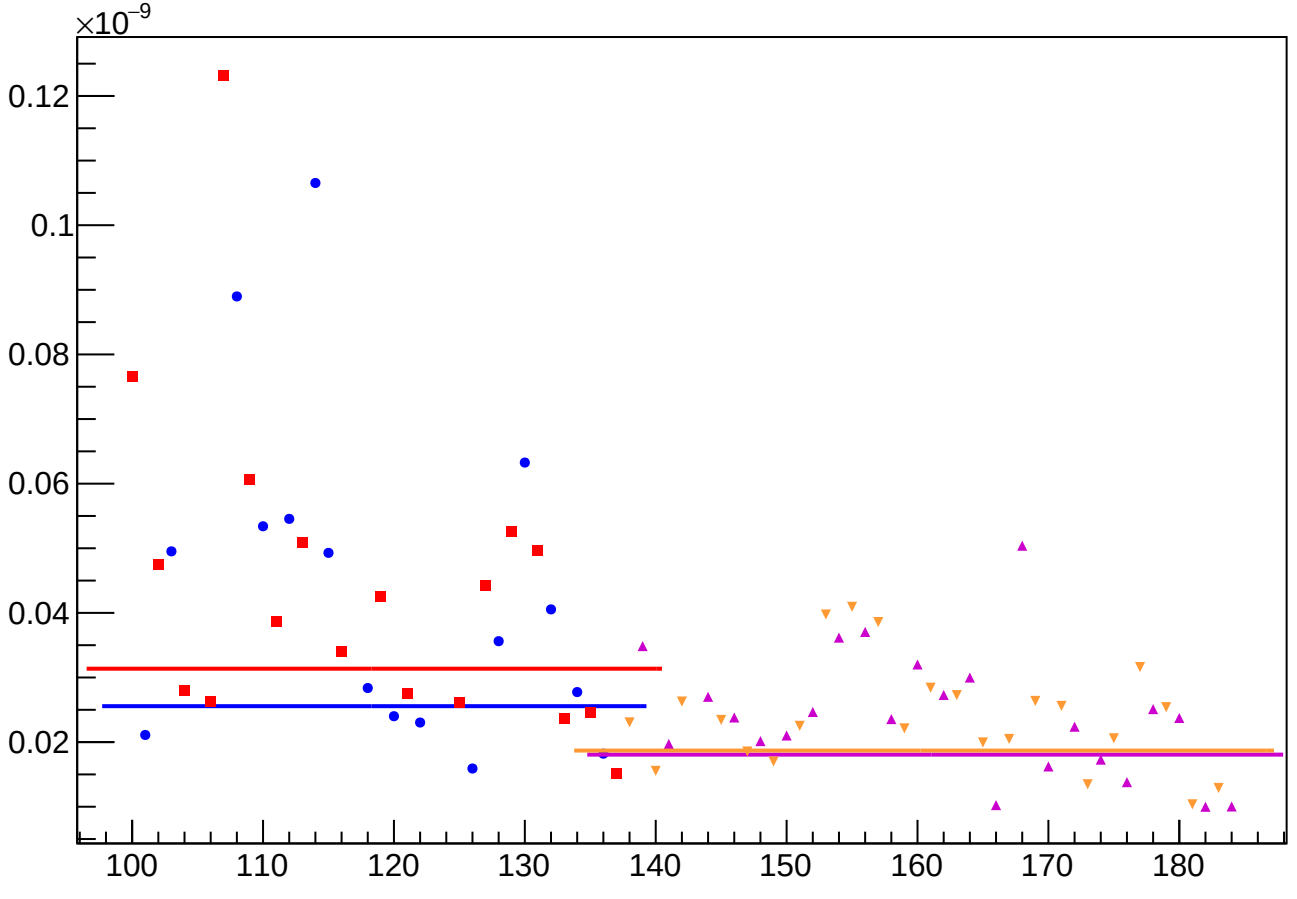
Left: 0.000+/-0.000 χ^2/NDF: 45.0/45

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:32.3/38

Out: 0.000+/-0.000 χ^2/NDF:39.9/40

All: 0.000+/-0.000 χ^2/NDF: 72.2/79



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:4180182.9/22

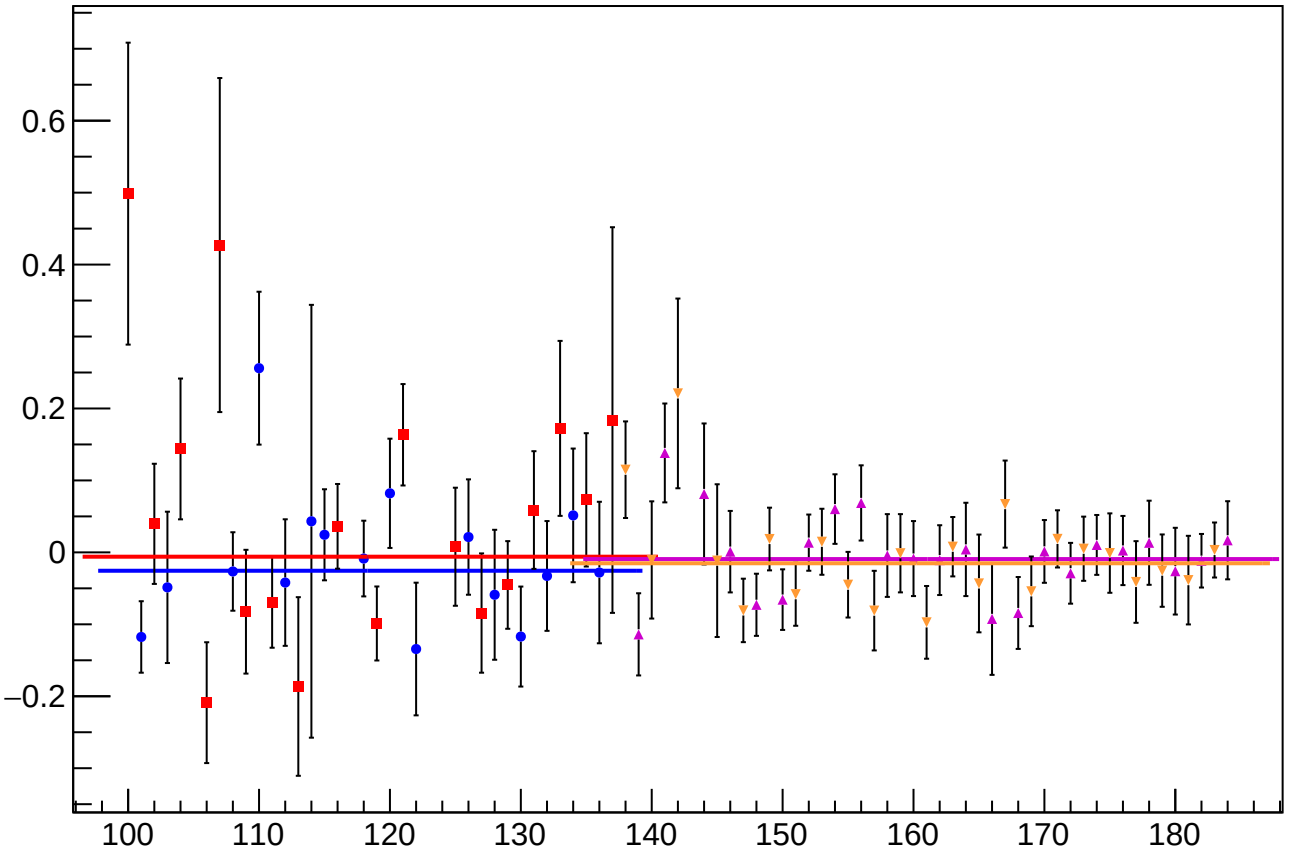
Left: 0.000+/-0.000 χ^2/NDF: 7190682.6/45

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

In: 0.000+/-0.000 χ^2/NDF:6415856.9/38

Out: 0.000+/-0.000 χ^2/NDF:5328773.1/40

All: 0.000+/-0.000 χ^2/NDF: 11778481.3/79



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: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.012+/-0.007 χ^2/NDF: 42.4/45

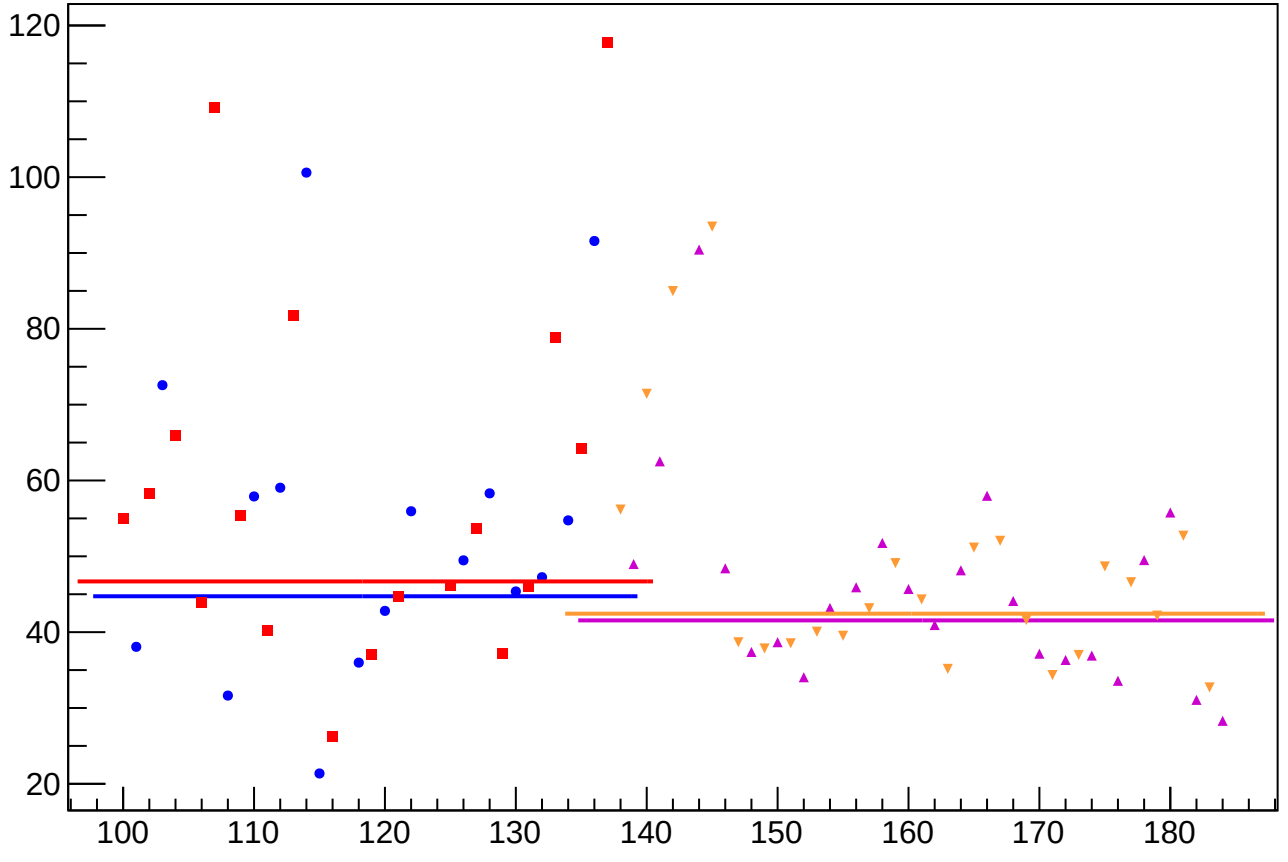
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.013+/-0.009 χ^2/NDF:40.1/38

Out: -0.013+/-0.009 χ^2/NDF:57.0/40

All: -0.013+/-0.007 χ^2/NDF: 97.1/79

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 42.437+/-0.008 χ^2/NDF:1587005.6/22

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

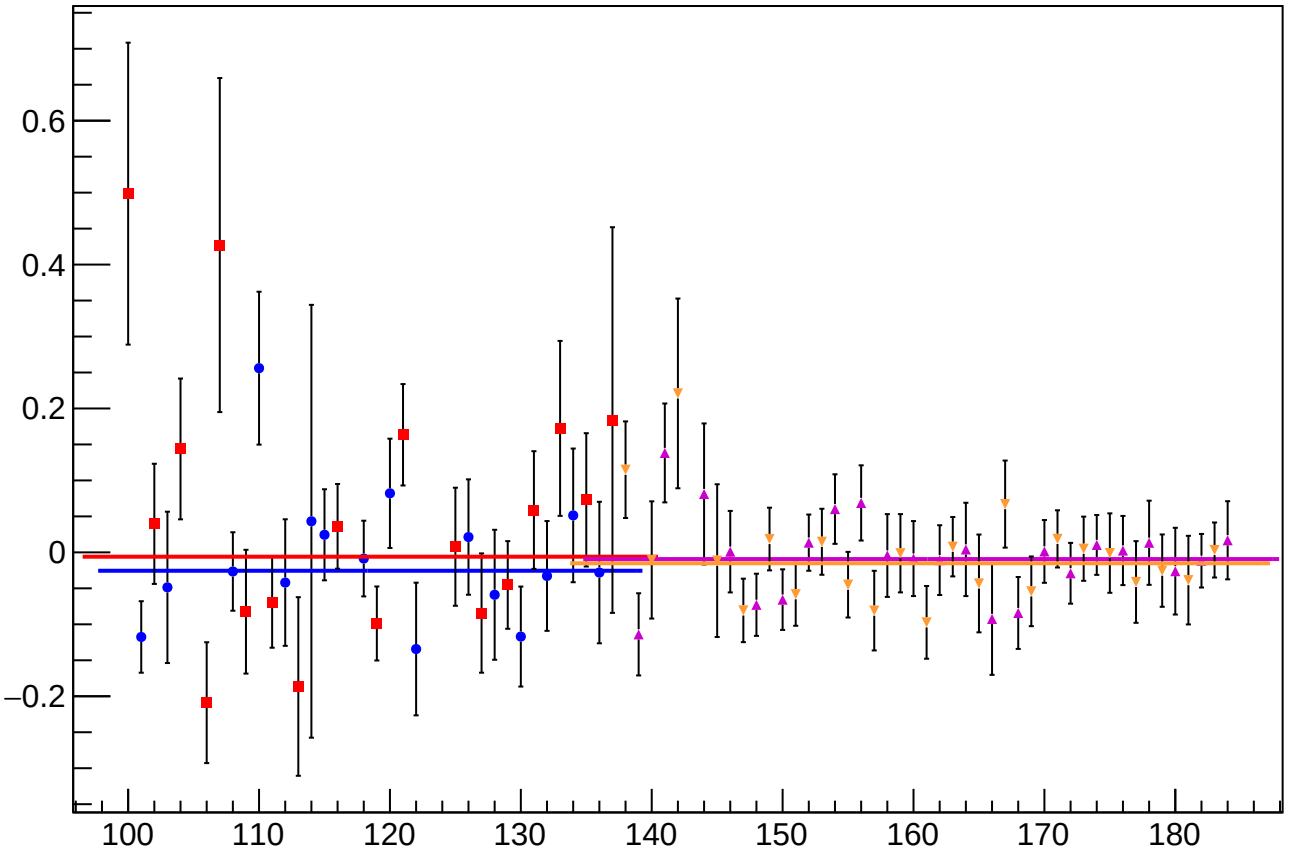
Left: 41.984+/-0.005 χ^2/NDF: 3206987.8/45

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

In: 42.307+/-0.006 χ^2/NDF:2991370.4/38

Out: 43.432+/-0.007 χ^2/NDF:2856185.8/40

All: 42.855+/-0.005 χ^2/NDF: 5862303.0/79



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: -0.009+/-0.010 χ^2/NDF:21.9/22

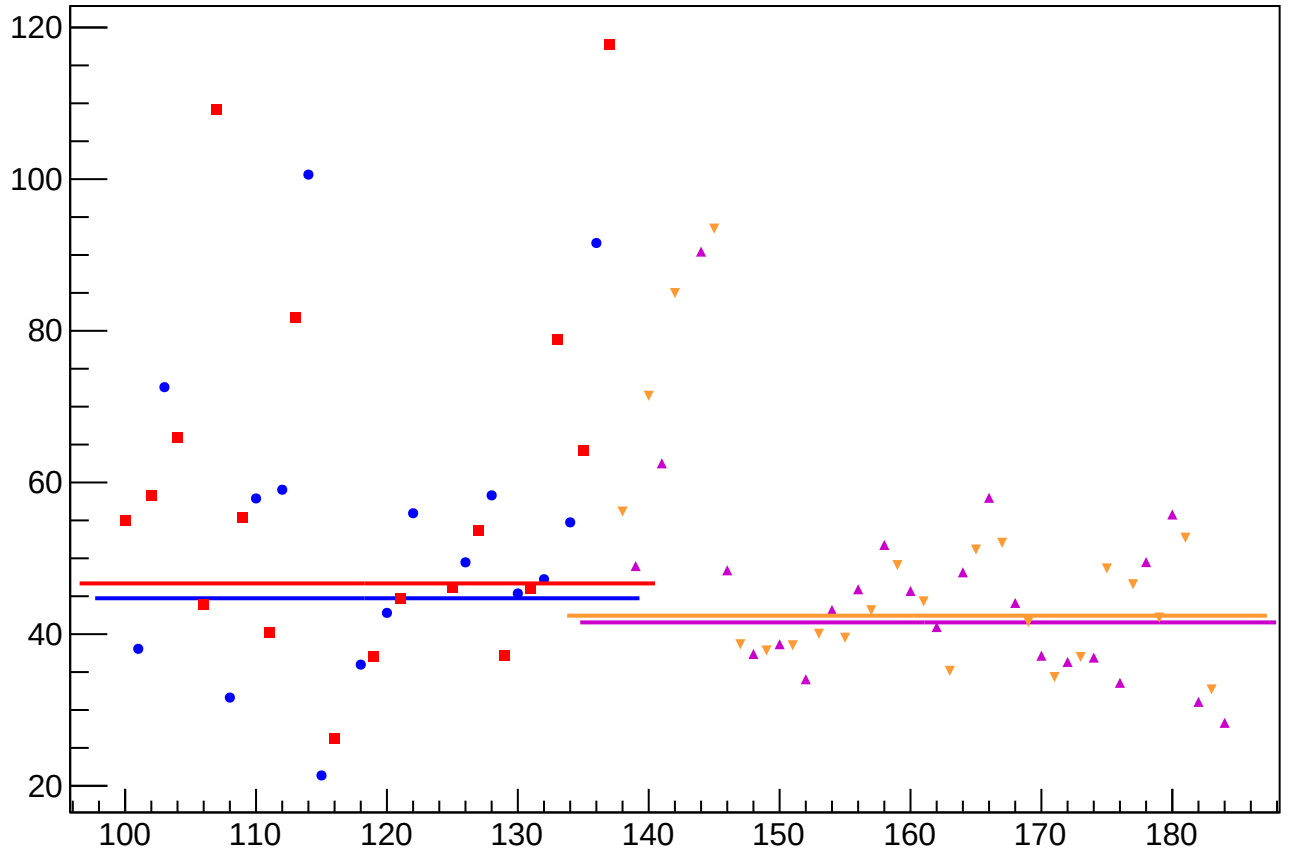
Left: -0.012+/-0.007 χ^2/NDF: 42.4/45

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

In: -0.013+/-0.009 χ^2/NDF:40.1/38

Out: -0.013+/-0.009 χ^2/NDF:57.0/40

All: -0.013+/-0.007 χ^2/NDF: 97.1/79



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: 41.550+/-0.007 χ^2/NDF:1612979.7/22

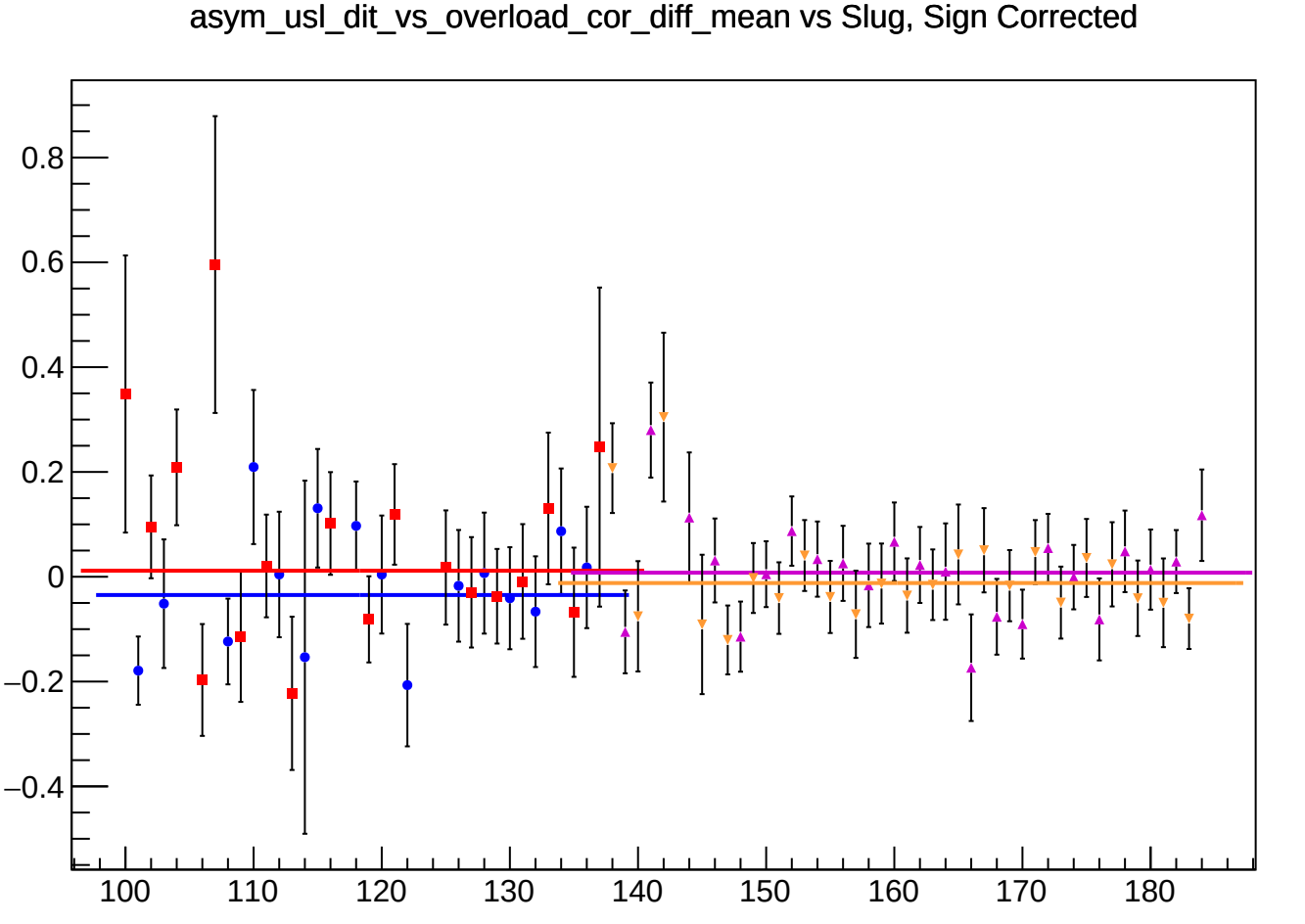
Left: 41.984+/-0.005 χ^2/NDF: 3206987.8/45

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

In: 42.307+/-0.006 χ^2/NDF:2991370.4/38

Out: 43.432+/-0.007 χ^2/NDF:2856185.8/40

All: 42.855+/-0.005 χ^2/NDF: 5862303.0/79



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: 0.008+/-0.015 χ^2/NDF:28.1/22

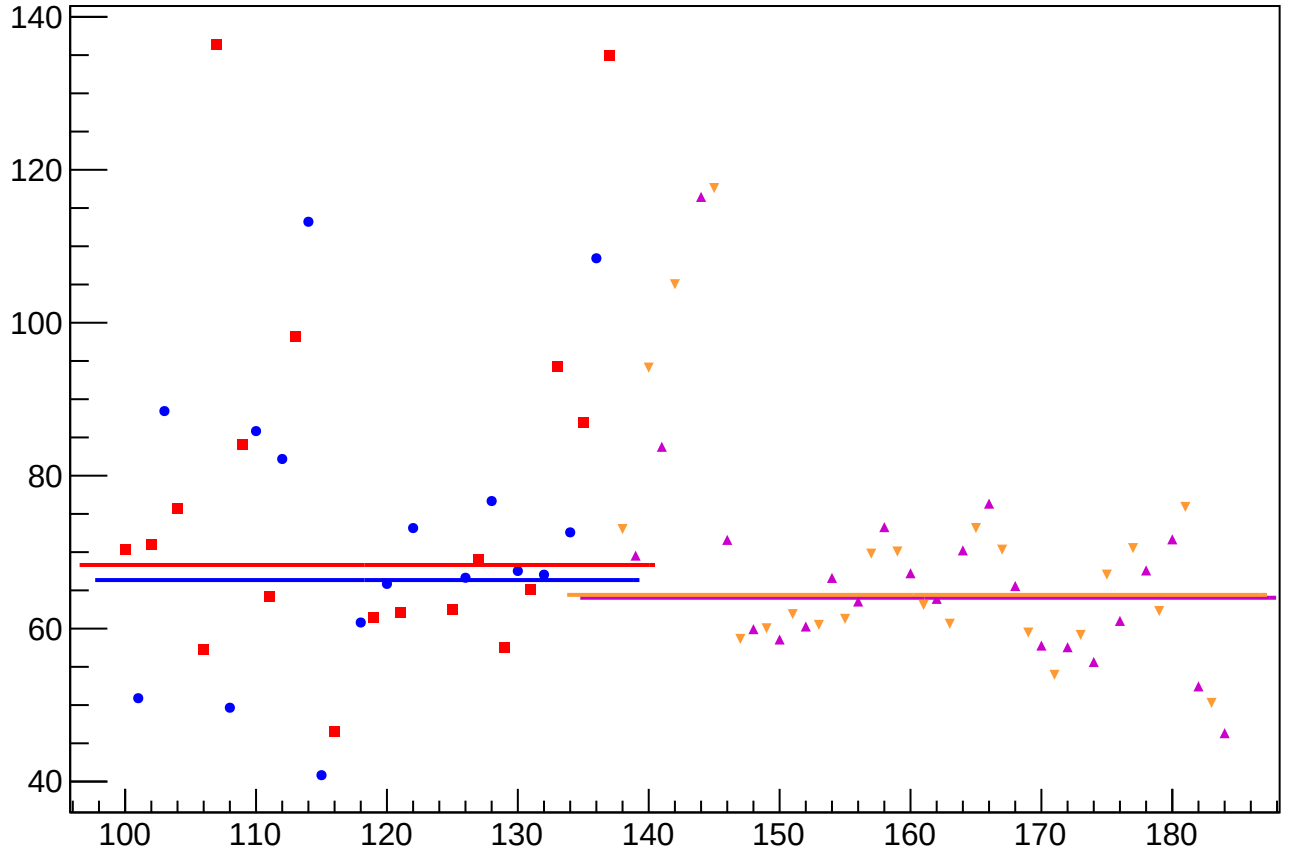
Left: -0.002+/-0.011 χ^2/NDF: 48.9/45

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

In: -0.003+/-0.013 χ^2/NDF:47.5/38

Out: -0.006+/-0.014 χ^2/NDF:43.3/40

All: -0.005+/-0.009 χ^2/NDF: 90.9/79



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: 64.036+/-0.011 χ^2/NDF:838789.3/22

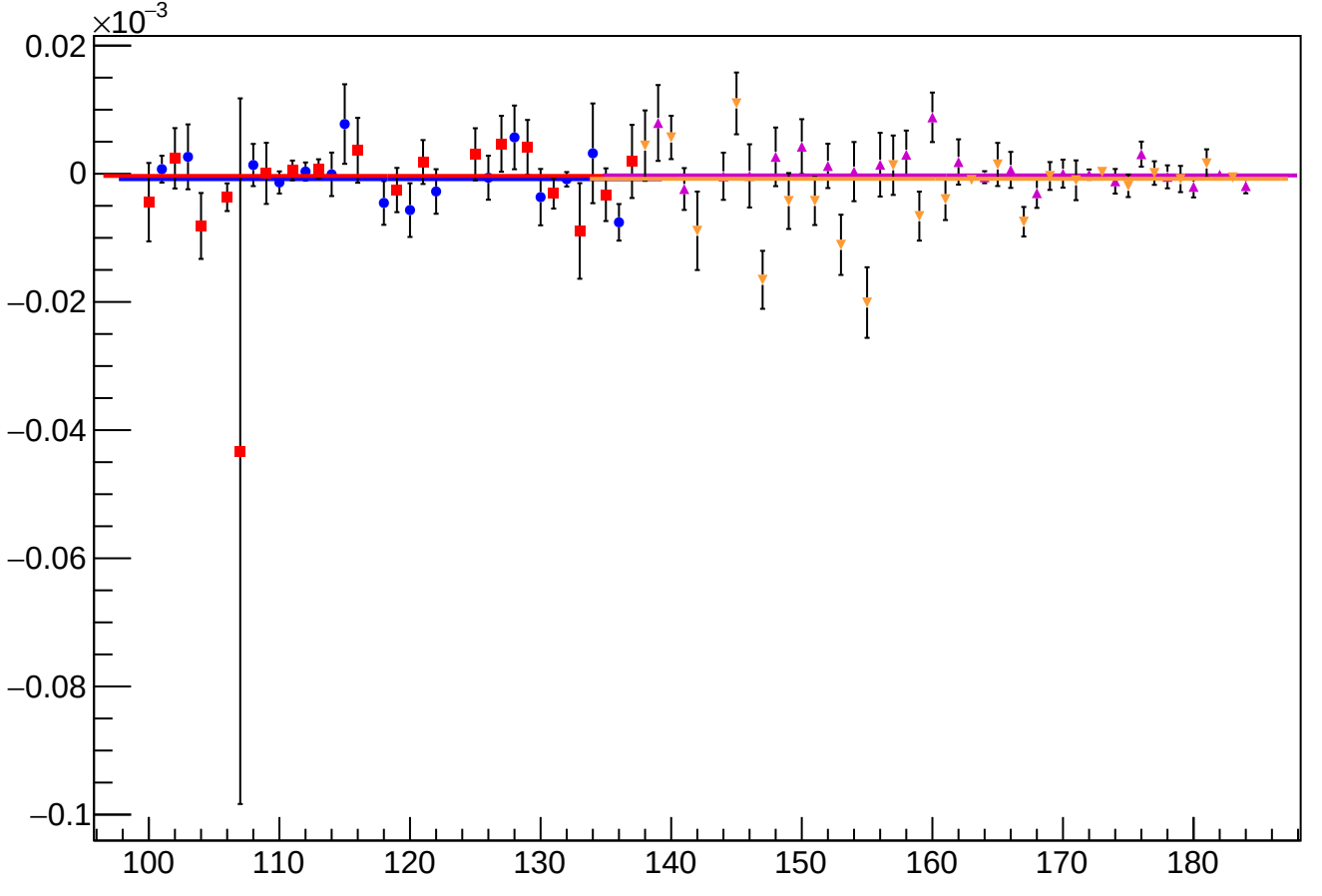
Left: 64.222+/-0.008 χ^2/NDF: 1810247.9/45

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

In: 64.632+/-0.009 χ^2/NDF:1622939.1/38

Out: 65.401+/-0.010 χ^2/NDF:1632110.5/40

All: 65.011+/-0.007 χ^2/NDF: 3258318.5/79



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:18.8/22

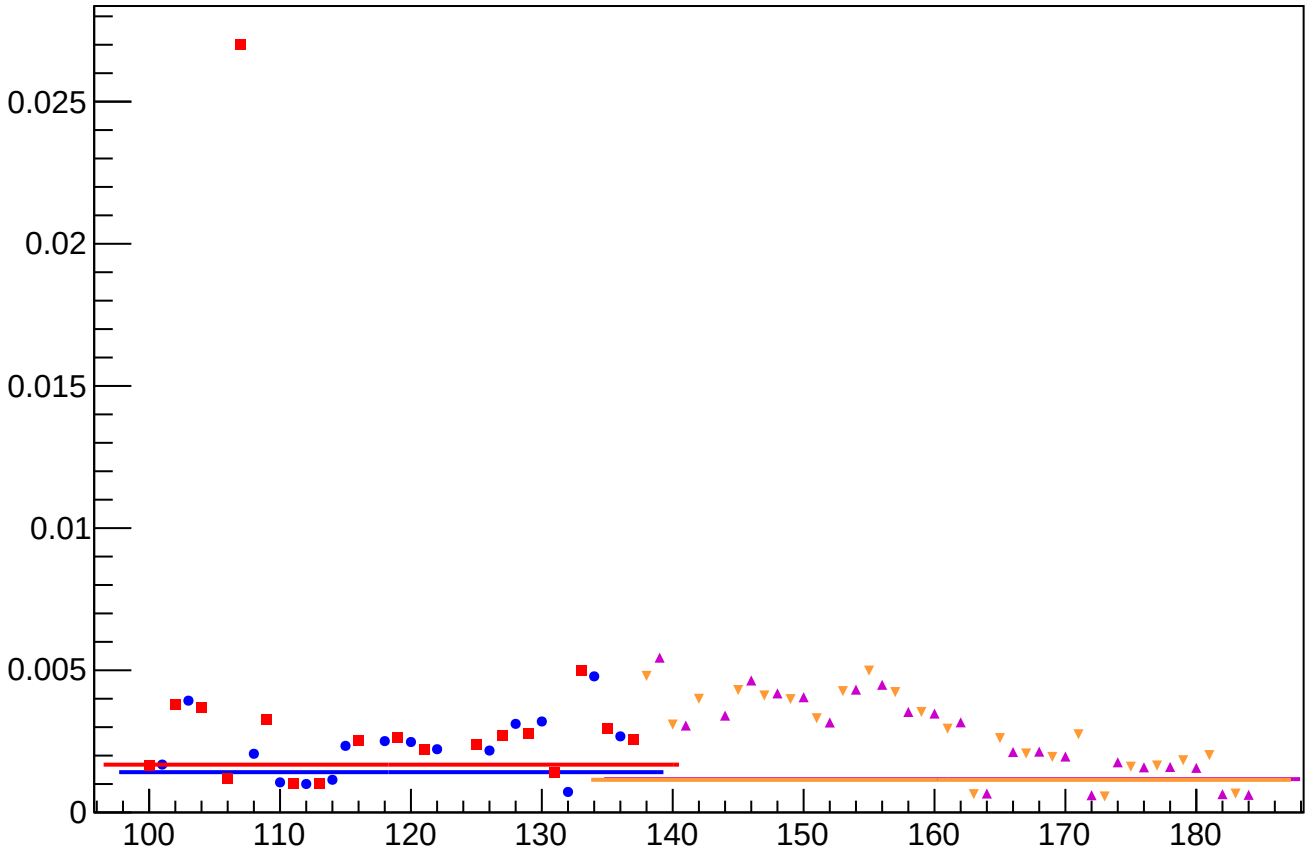
Left: -0.000+/-0.000 χ^2/NDF: 79.7/45

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:34.5/38

Out: -0.000+/-0.000 χ^2/NDF:75.0/40

All: -0.000+/-0.000 χ^2/NDF: 109.9/79



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:14252589.1/22

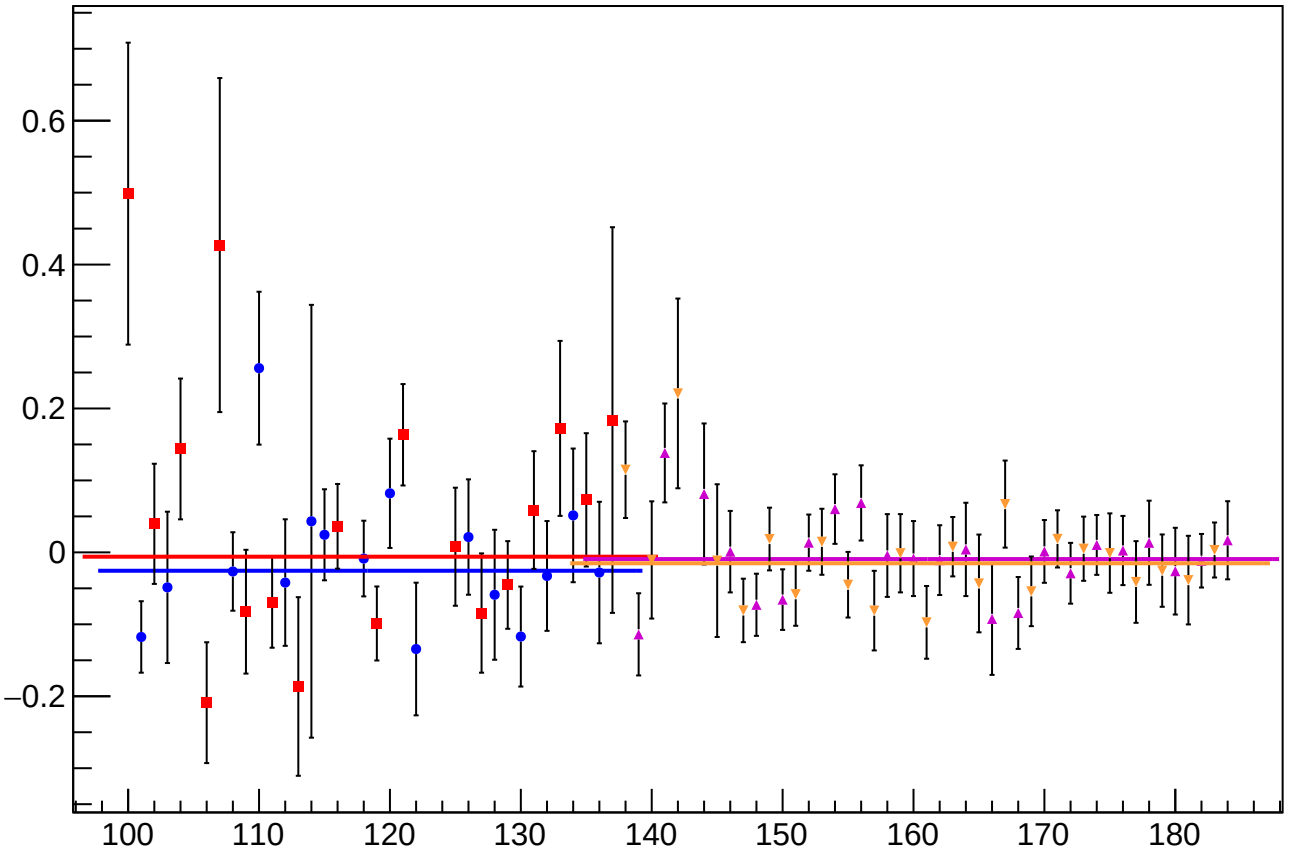
Left: 0.001+/-0.000 χ^2/NDF: 29094709.1/45

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

In: 0.001+/-0.000 χ^2/NDF:18034778.4/38

Out: 0.001+/-0.000 χ^2/NDF:19135549.5/40

All: 0.001+/-0.000 χ^2/NDF: 37173476.1/79



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: -0.009+/-0.010 χ^2/NDF:21.9/22

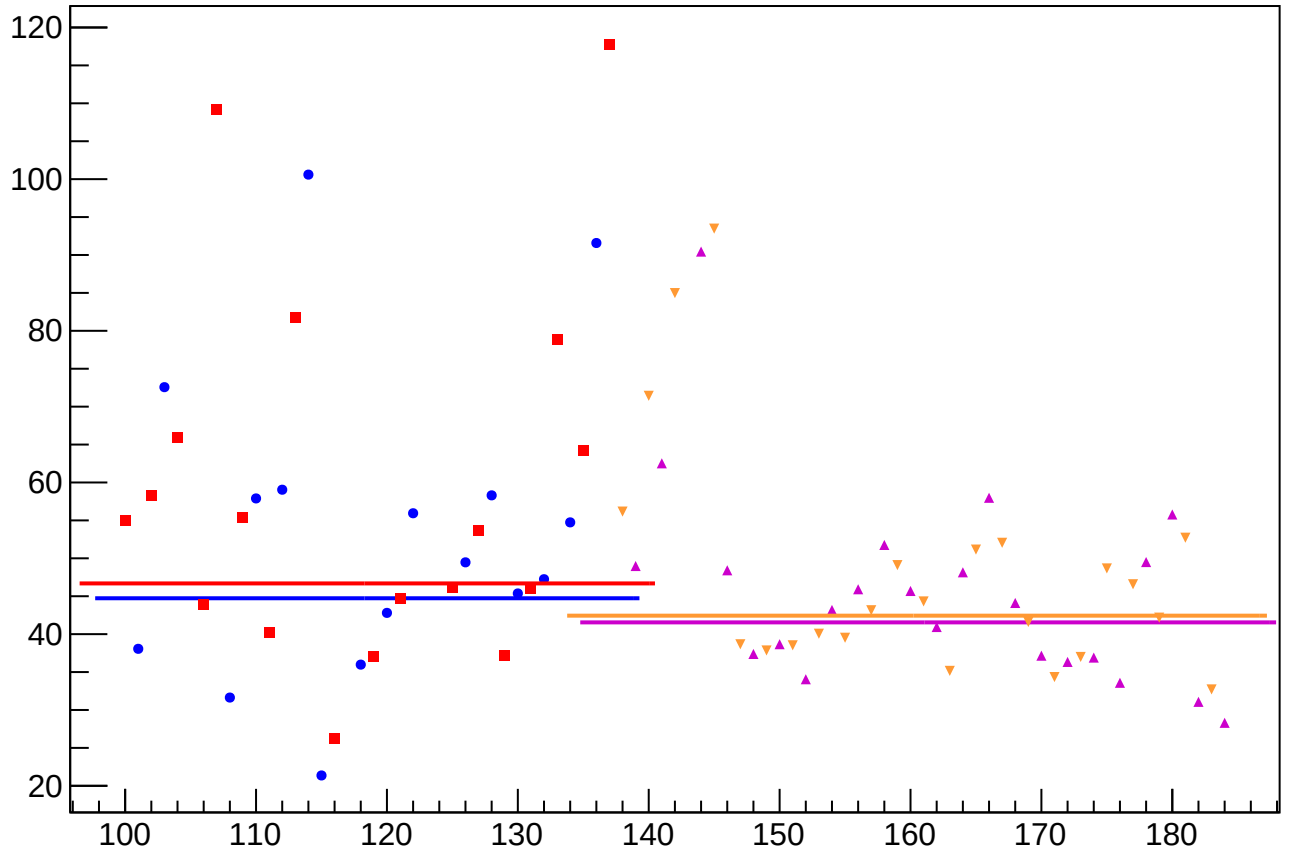
Left: -0.012+/-0.007 χ^2/NDF: 42.4/45

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

In: -0.013+/-0.009 χ^2/NDF:40.1/38

Out: -0.013+/-0.009 χ^2/NDF:57.0/40

All: -0.013+/-0.007 χ^2/NDF: 97.1/79



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: 41.551+/-0.007 χ^2/NDF:1612941.1/22

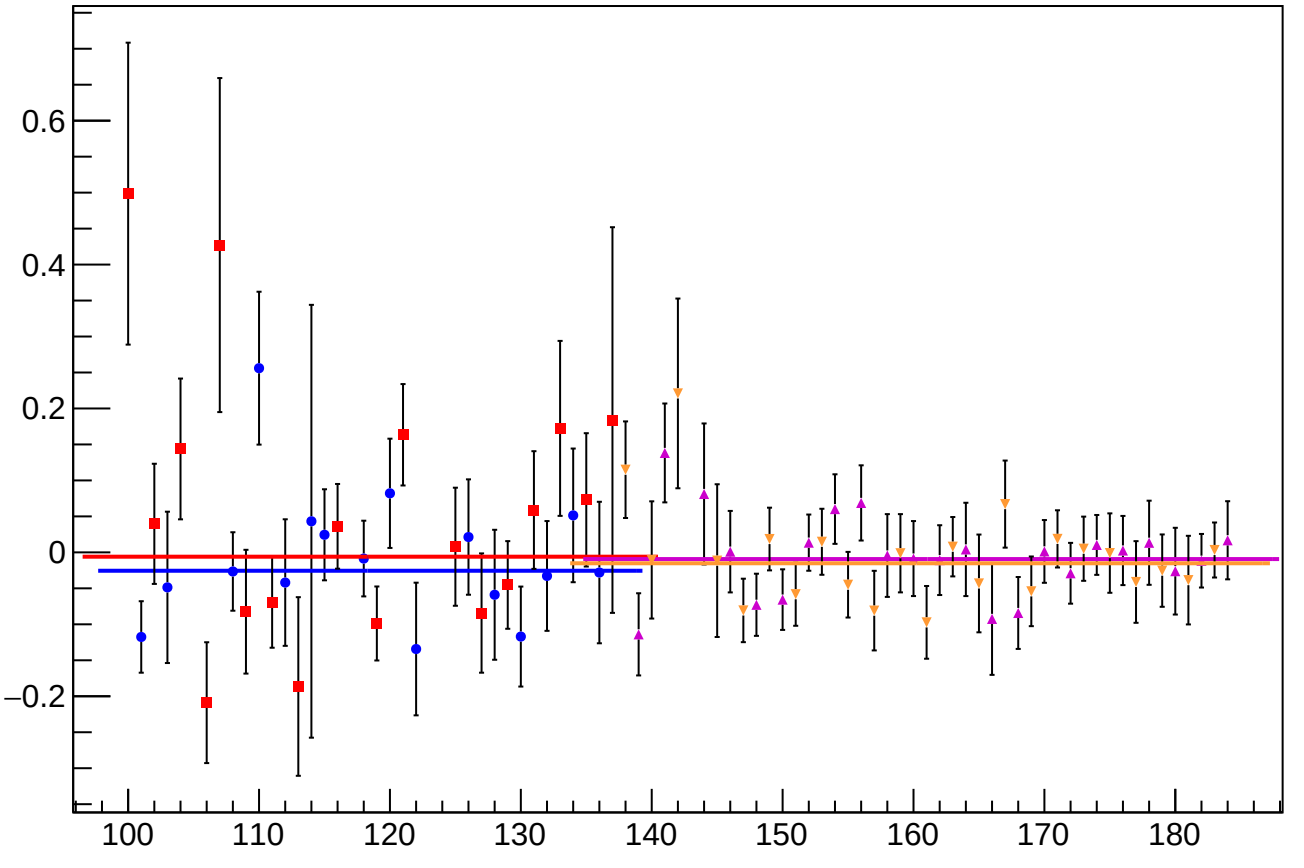
Left: 41.984+/-0.005 χ^2/NDF: 3206913.3/45

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

In: 42.307+/-0.006 χ^2/NDF:2991361.3/38

Out: 43.432+/-0.007 χ^2/NDF:2856156.8/40

All: 42.855+/-0.005 χ^2/NDF: 5862261.9/79



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: -0.009+/-0.010 χ^2/NDF:21.9/22

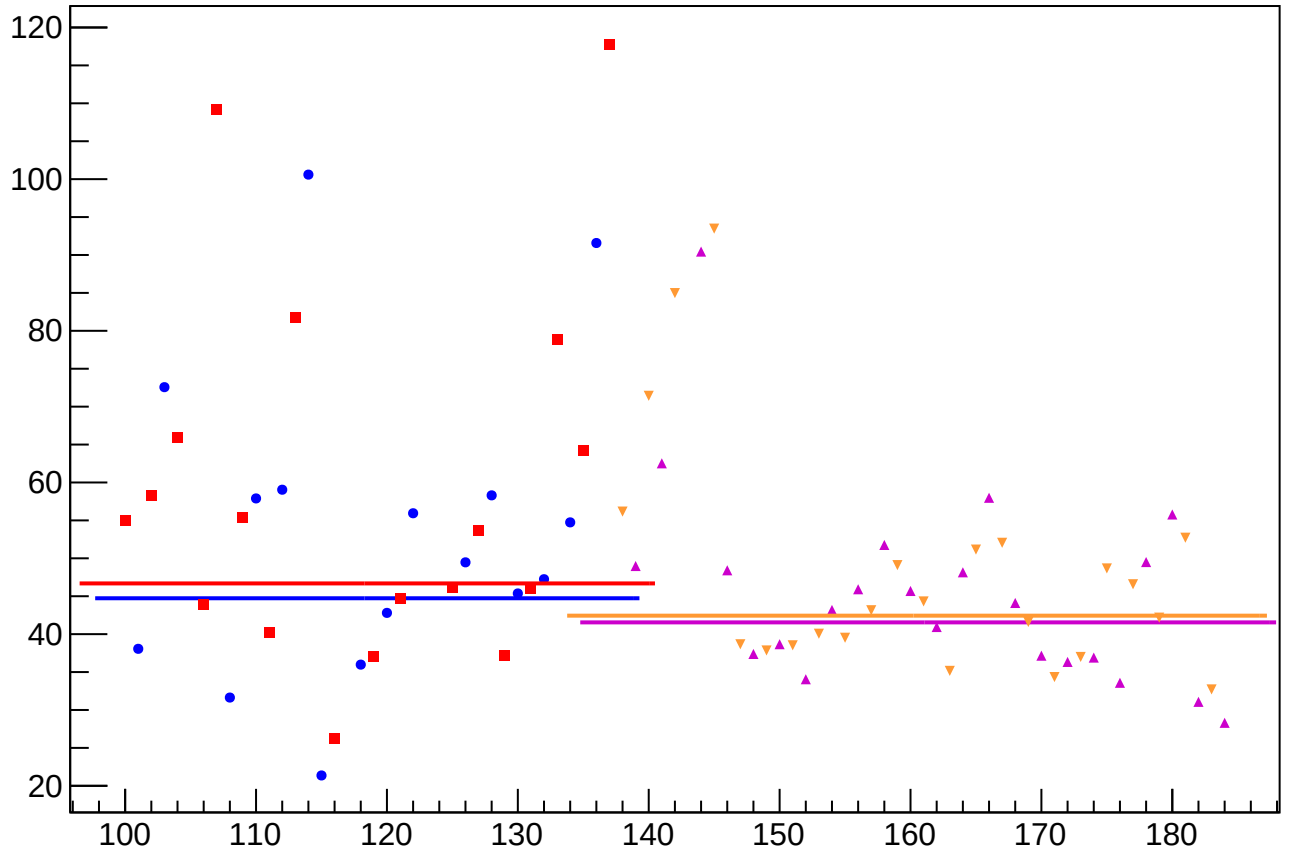
Left: -0.012+/-0.007 χ^2/NDF: 42.4/45

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

In: -0.013+/-0.009 χ^2/NDF:40.1/38

Out: -0.013+/-0.009 χ^2/NDF:57.0/40

All: -0.013+/-0.007 χ^2/NDF: 97.1/79



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: 41.551+/-0.007 χ^2/NDF:1612941.1/22

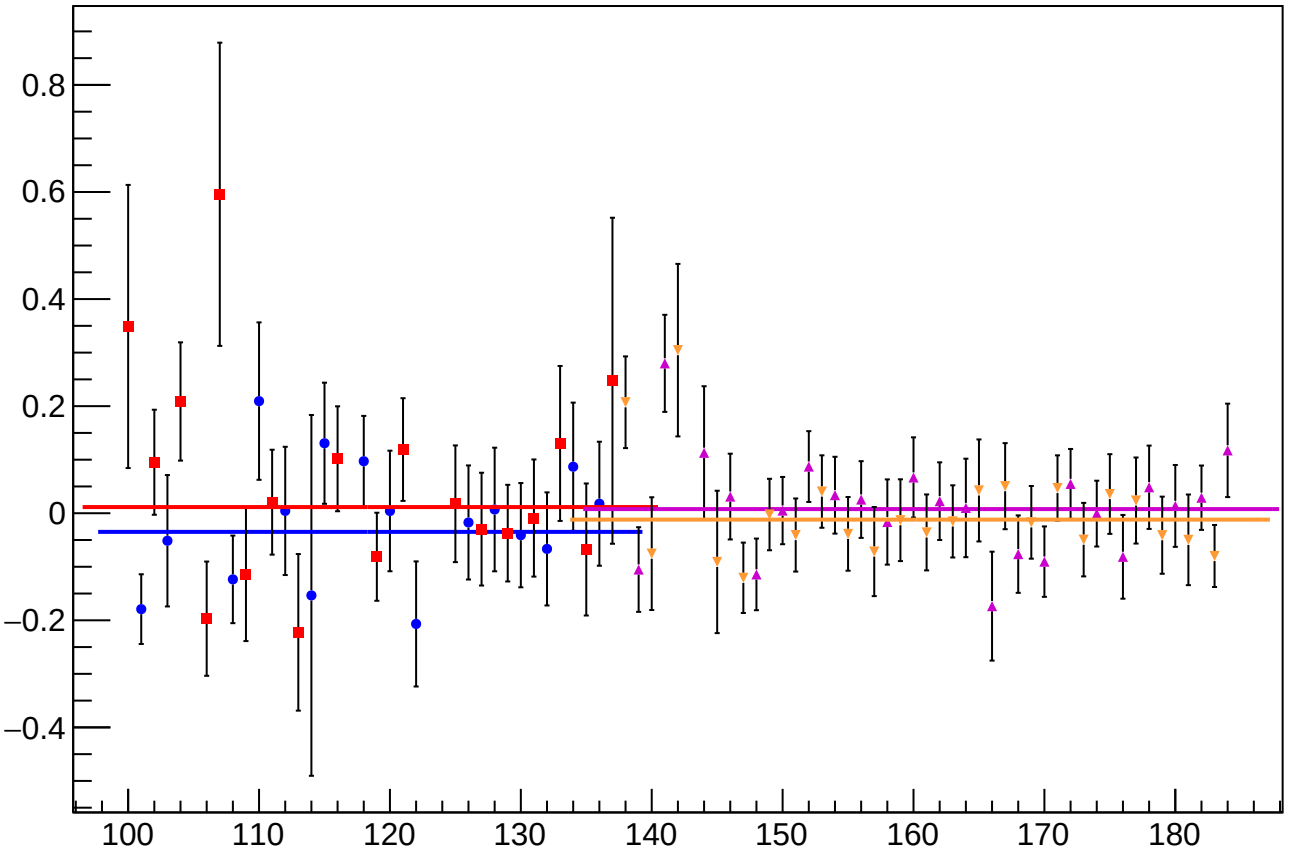
Left: 41.984+/-0.005 χ^2/NDF: 3206913.3/45

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

In: 42.307+/-0.006 χ^2/NDF:2991361.3/38

Out: 43.432+/-0.007 χ^2/NDF:2856156.8/40

All: 42.855+/-0.005 χ^2/NDF: 5862261.9/79



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: 0.008+/-0.015 χ^2/NDF:28.1/22

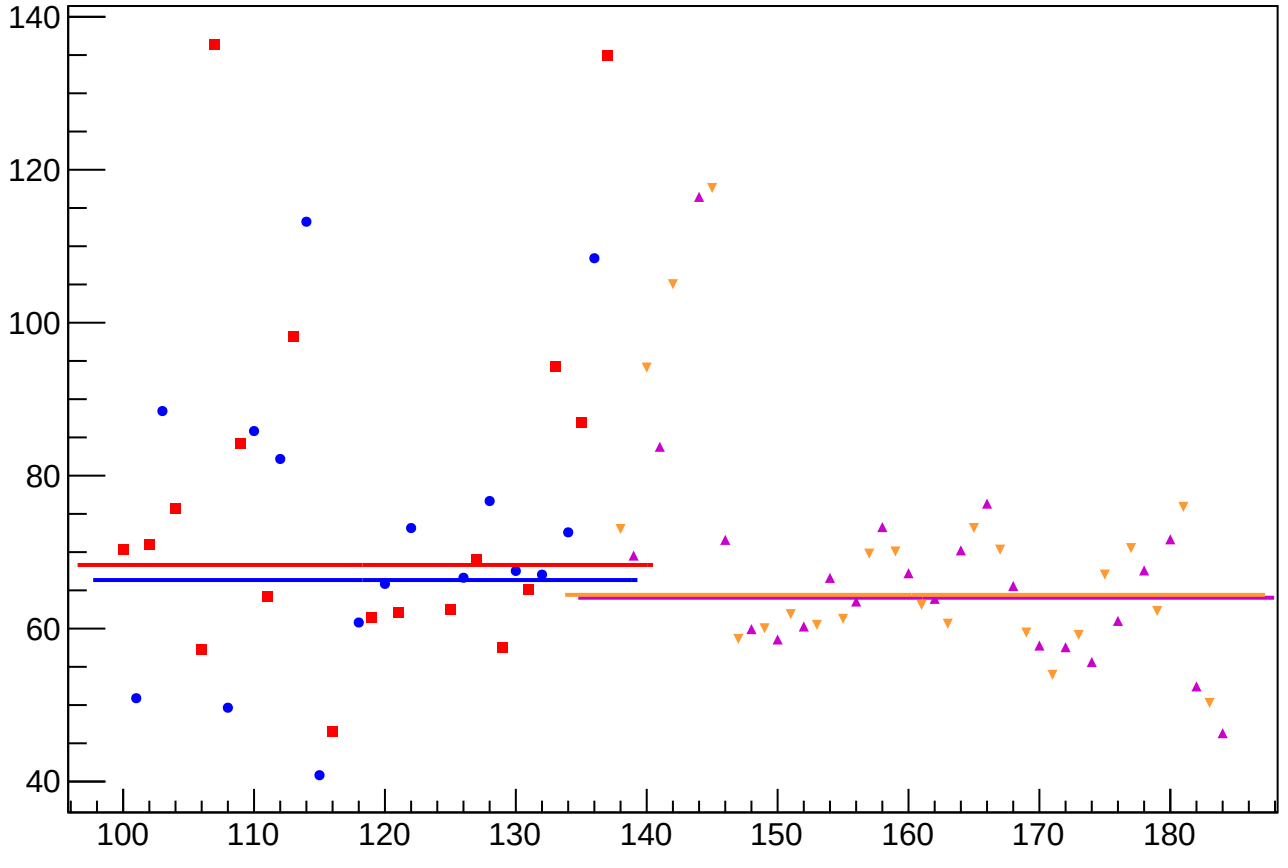
Left: -0.002+/-0.011 χ^2/NDF: 48.9/45

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

In: -0.003+/-0.013 χ^2/NDF:47.5/38

Out: -0.006+/-0.014 χ^2/NDF:43.3/40

All: -0.005+/-0.009 χ^2/NDF: 90.8/79



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: 64.036+/-0.011 χ^2/NDF:838784.5/22

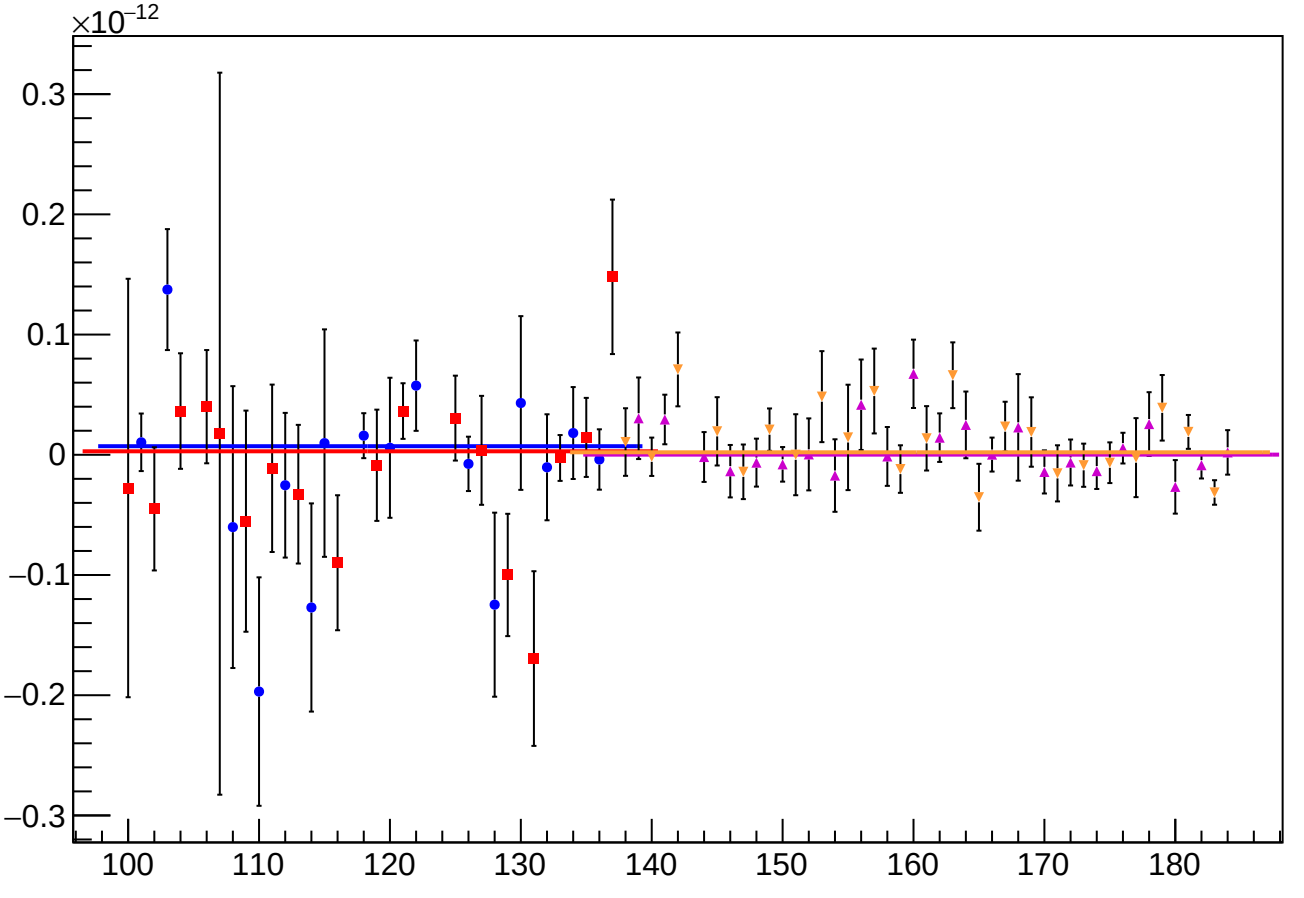
Left: 64.222+/-0.008 χ^2/NDF: 1810231.6/45

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

In: 64.632+/-0.009 χ^2/NDF:1622935.4/38

Out: 65.401+/-0.010 χ^2/NDF:1632082.6/40

All: 65.011+/-0.007 χ^2/NDF: 3258286.2/79



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:17.1/22

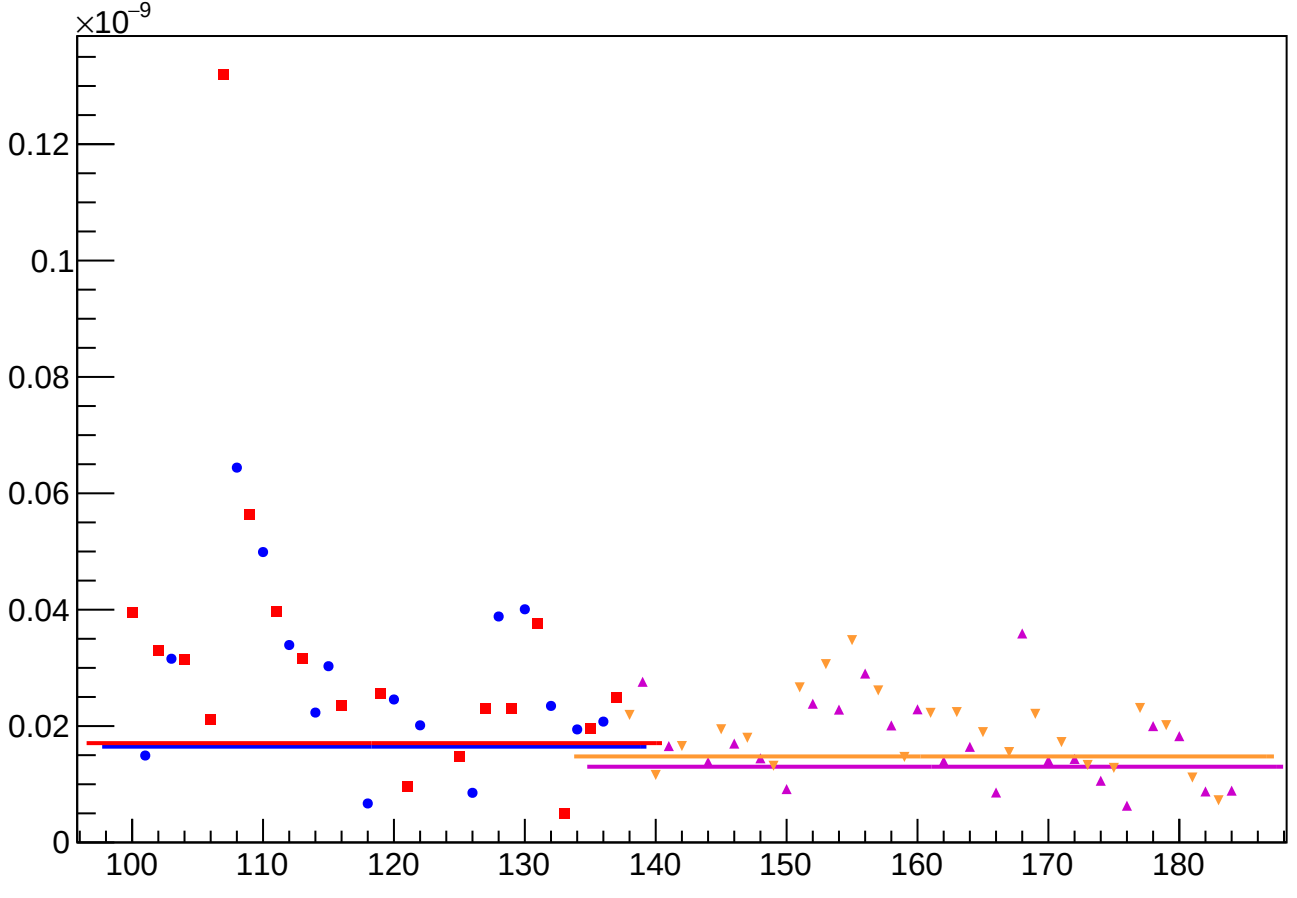
Left: 0.000+/-0.000 χ^2/NDF: 52.7/45

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:38.1/38

Out: 0.000+/-0.000 χ^2/NDF:58.9/40

All: 0.000+/-0.000 χ^2/NDF: 96.9/79



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:3925910.3/22

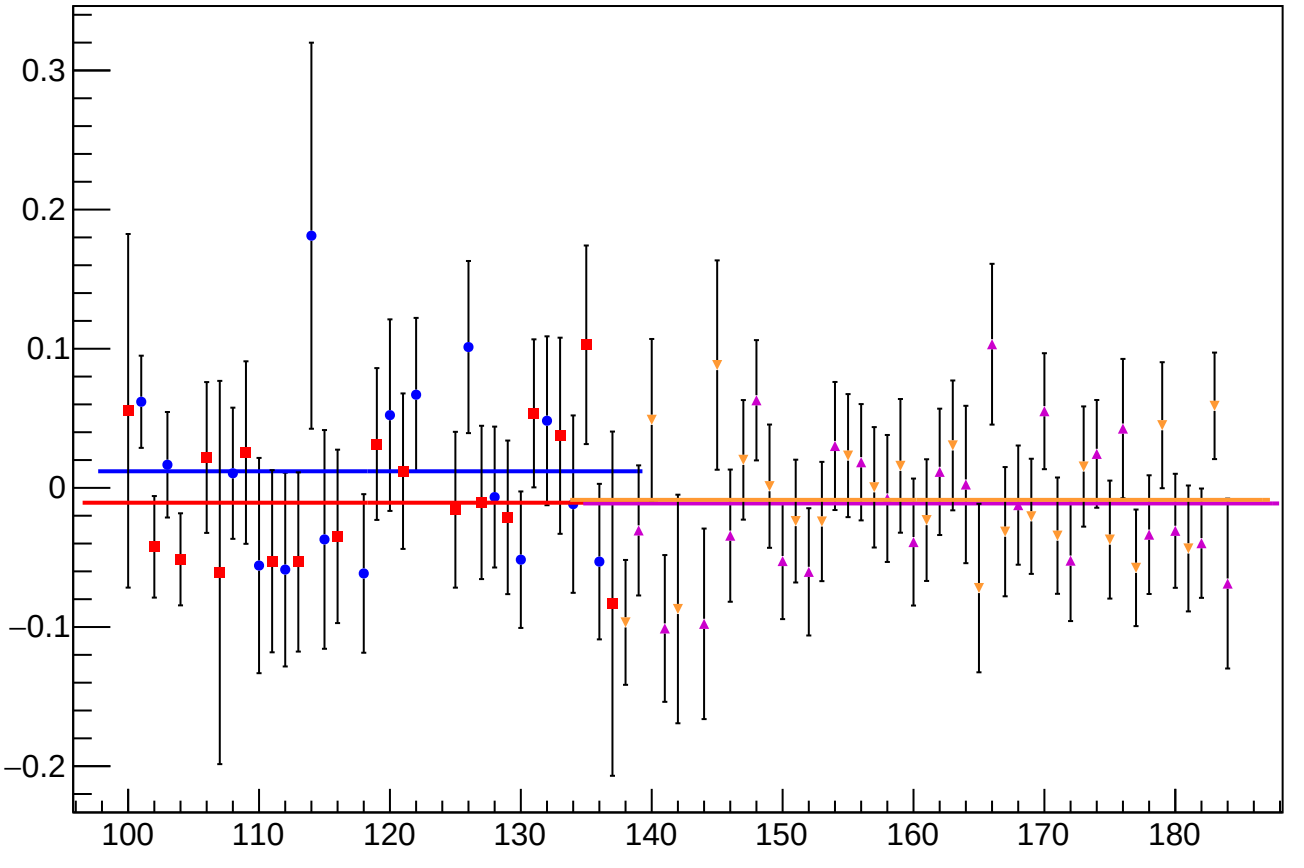
Left: 0.000+/-0.000 χ^2/NDF: 7626991.9/45

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

In: 0.000+/-0.000 χ^2/NDF:6507063.8/38

Out: 0.000+/-0.000 χ^2/NDF:6409036.5/40

All: 0.000+/-0.000 χ^2/NDF: 13085620.6/79



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: -0.011+/-0.010 χ^2/NDF:23.3/22

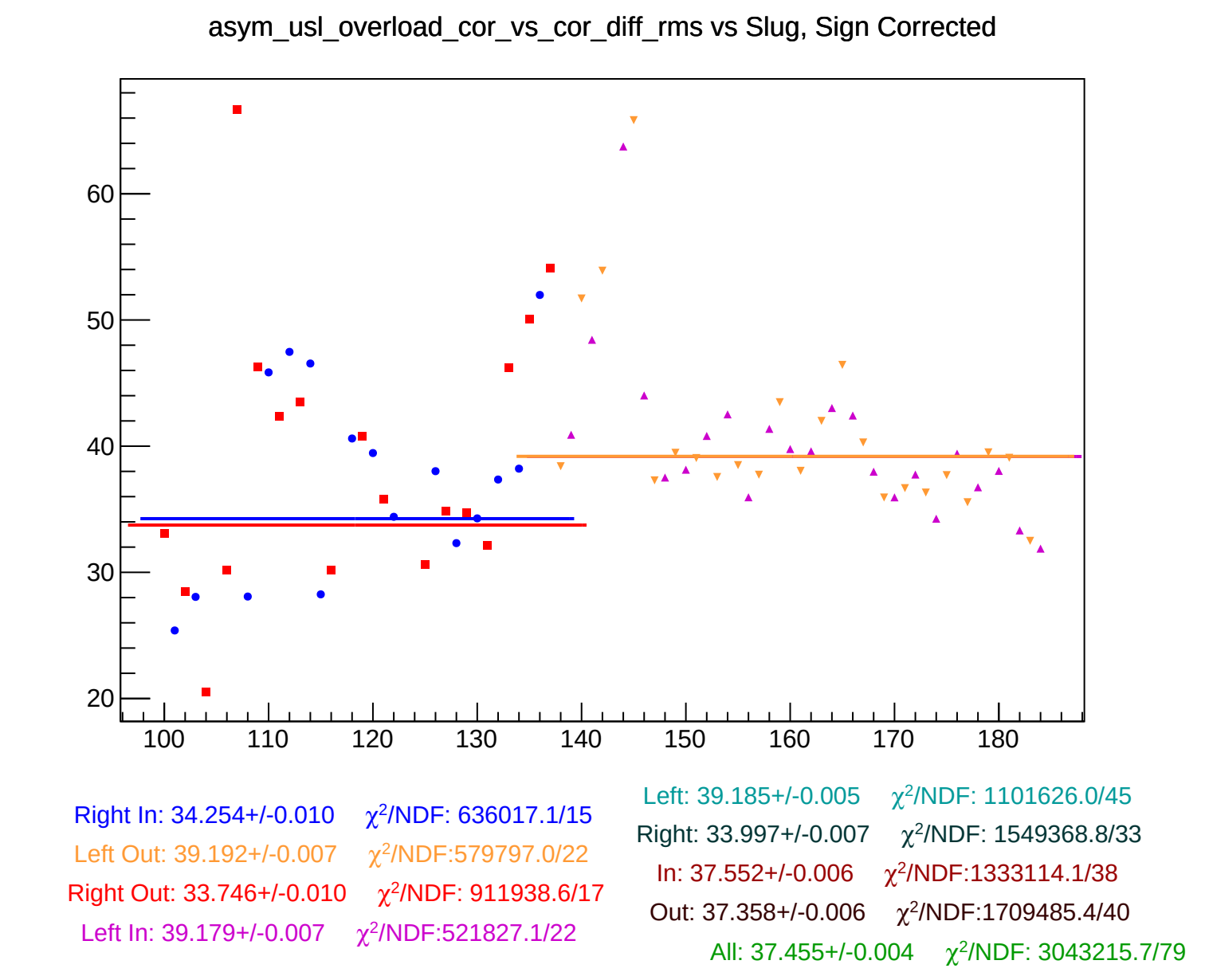
Left: -0.010+/-0.007 χ^2/NDF: 42.1/45

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

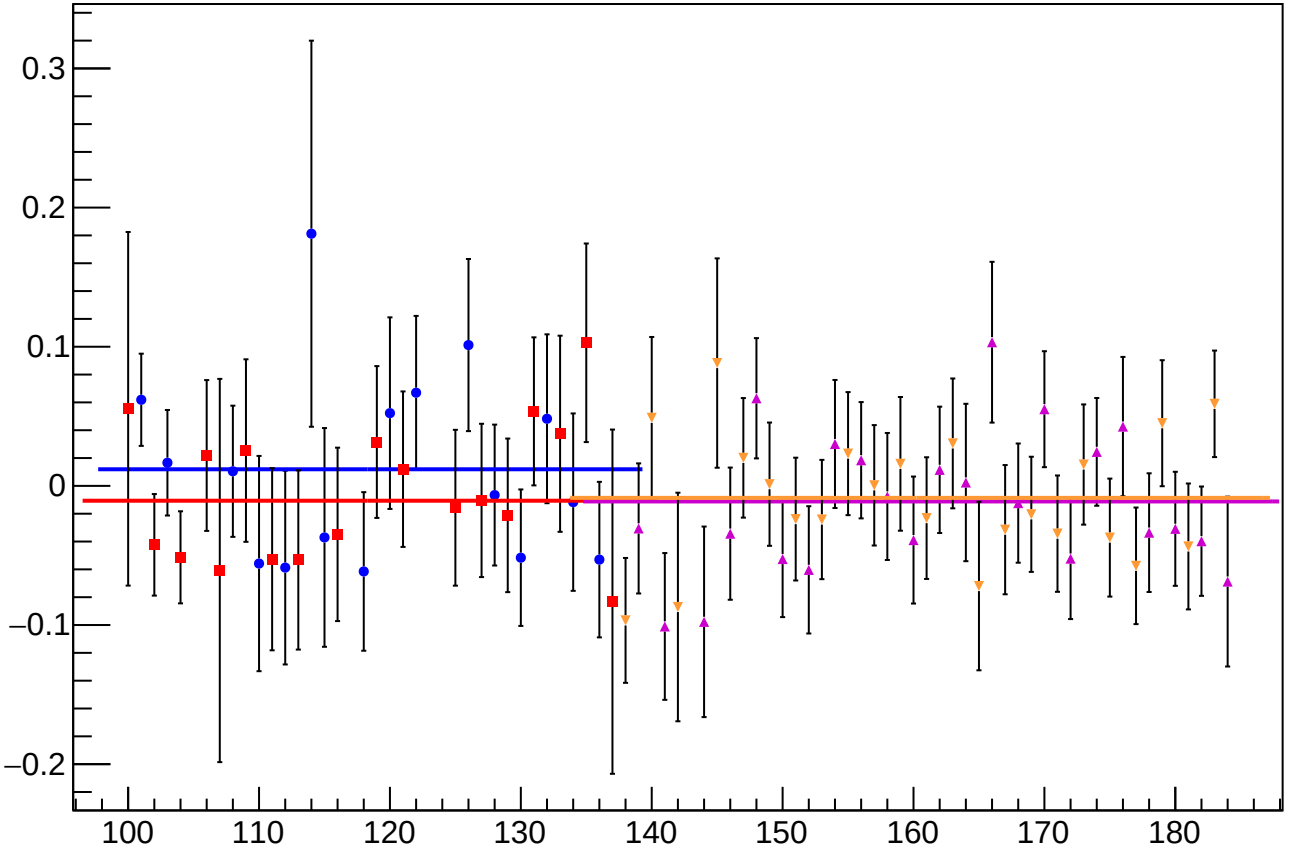
In: -0.004+/-0.008 χ^2/NDF:39.9/38

Out: -0.009+/-0.008 χ^2/NDF:28.8/40

All: -0.006+/-0.006 χ^2/NDF: 68.9/79


asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
100
110
120
130
140
150
160
170
180
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 39.192+/-0.007 χ²/NDF:579797.0/22
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 39.179+/-0.007 χ²/NDF:521827.1/22
Left: 39.185+/-0.005 χ²/NDF: 1101626.0/45
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 37.552+/-0.006 χ²/NDF:1333114.1/38
Out: 37.358+/-0.006 χ²/NDF:1709485.4/40
All: 37.455+/-0.004 χ²/NDF: 3043215.7/79

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: -0.011+/-0.010 χ^2/NDF:23.3/22

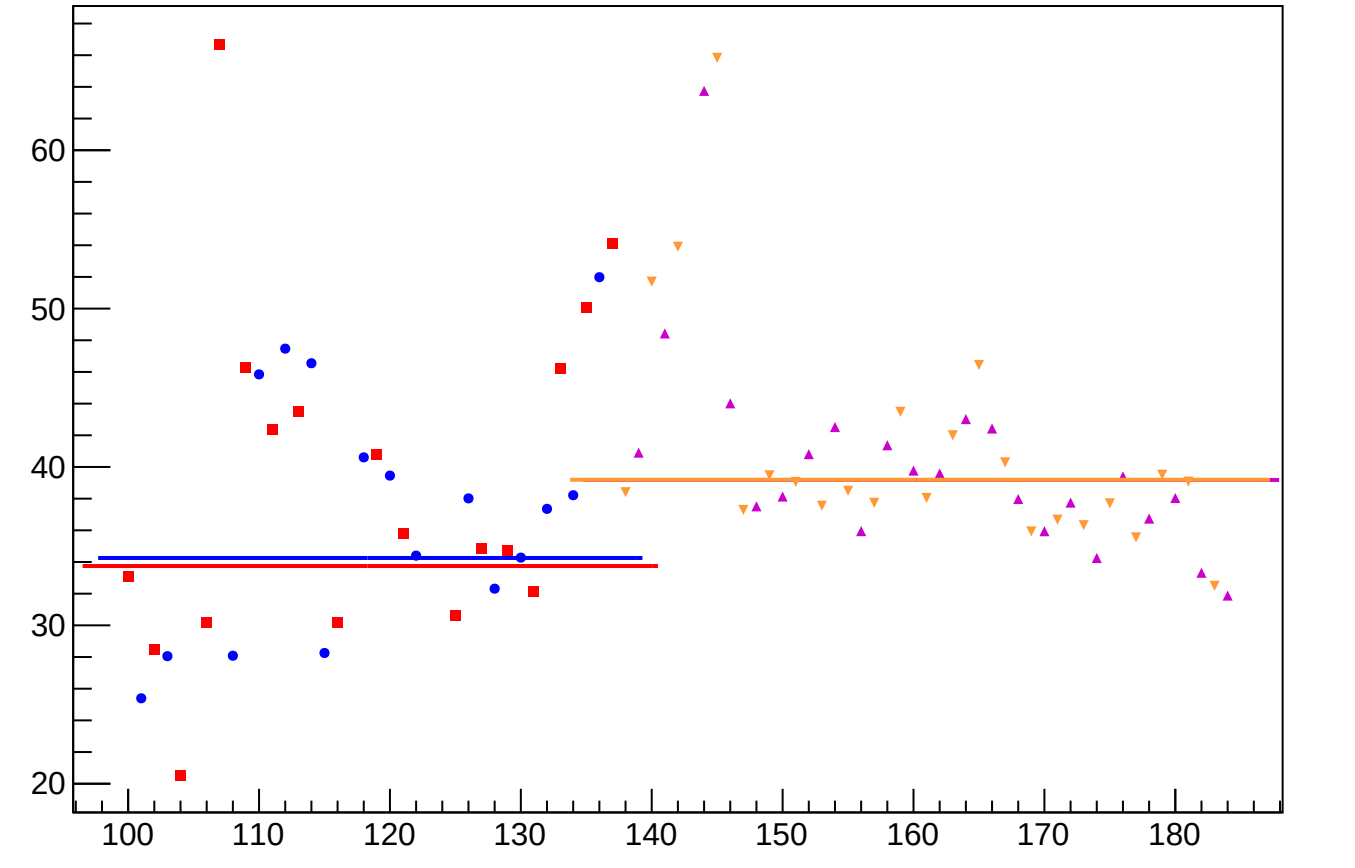
Left: -0.010+/-0.007 χ^2/NDF: 42.1/45

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.004+/-0.008 χ^2/NDF:39.9/38

Out: -0.009+/-0.008 χ^2/NDF:28.8/40

All: -0.006+/-0.006 χ^2/NDF: 68.9/79



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: 39.179+/-0.007 χ^2/NDF:521827.1/22

Left: 39.185+/-0.005 χ^2/NDF: 1101626.0/45

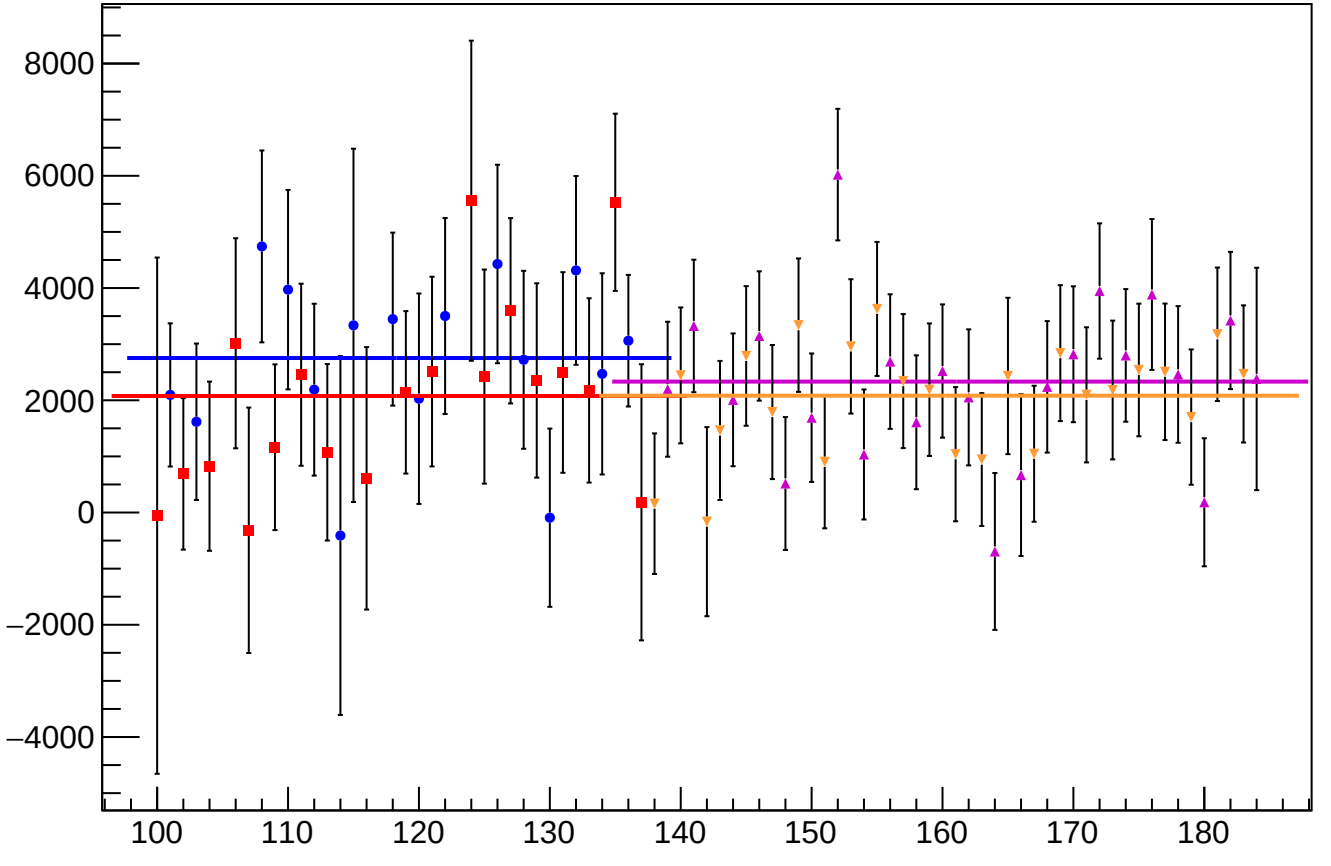
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.552+/-0.006 χ^2/NDF:1333114.1/38

Out: 37.358+/-0.006 χ^2/NDF:1709485.4/40

All: 37.455+/-0.004 χ^2/NDF: 3043215.7/79

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: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2204.850+/-178.618 χ^2/NDF: 43.4/46

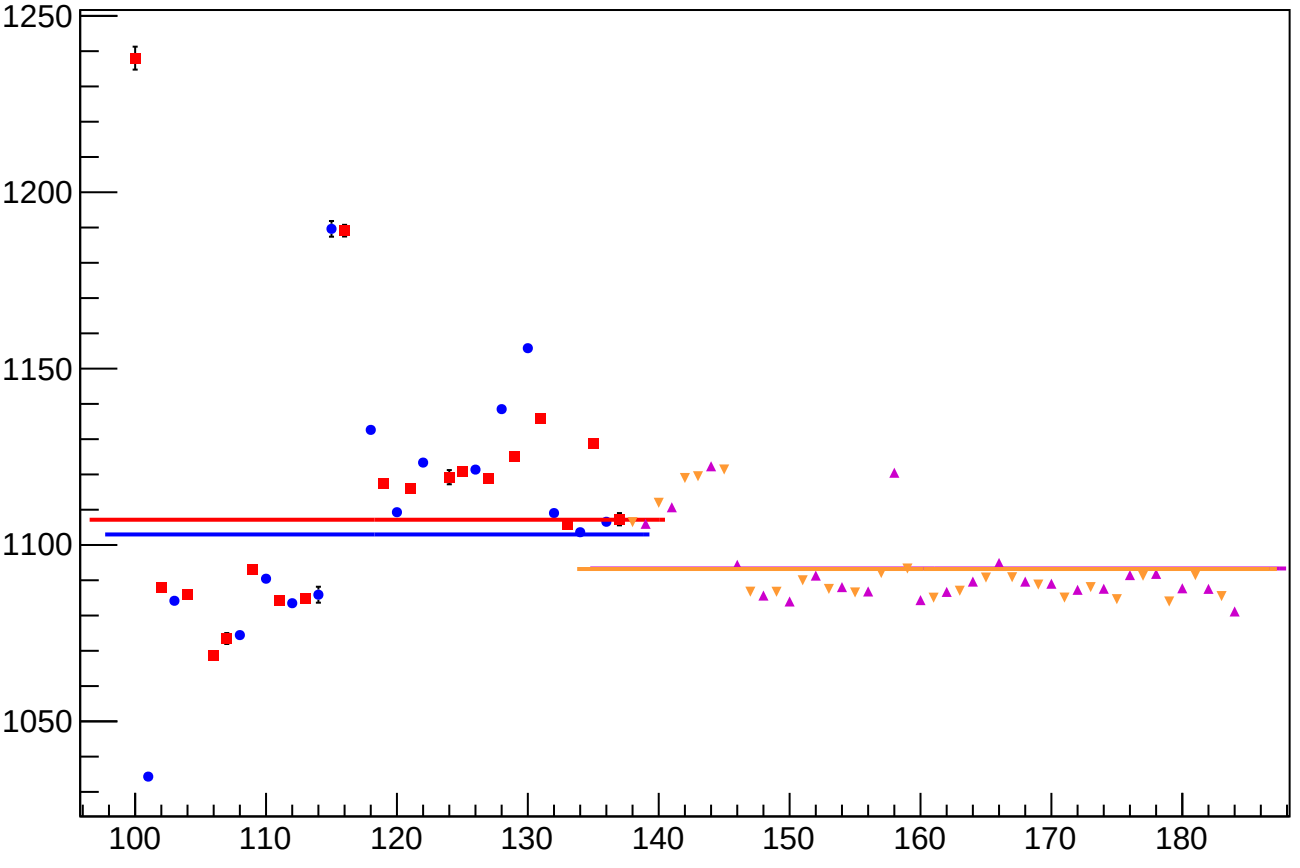
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2450.407+/-216.686 χ^2/NDF:39.7/38

Out: 2080.460+/-212.562 χ^2/NDF:26.0/42

All: 2261.879+/-151.741 χ^2/NDF: 67.2/81

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: 1093.338+/-0.181 χ^2/NDF:3725.7/22

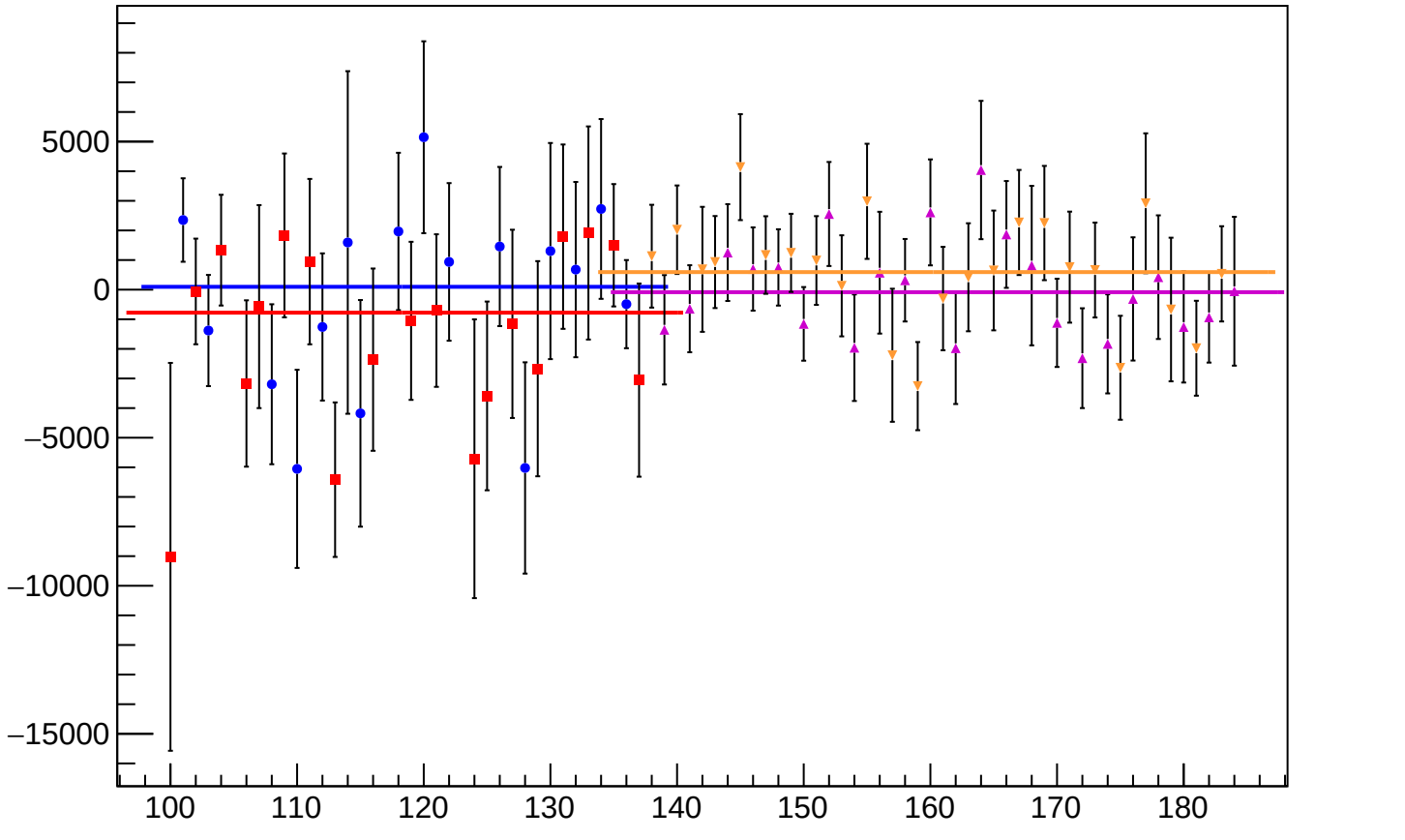
Left: 1093.262+/-0.126 χ^2/NDF: 7691.1/46

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

In: 1096.036+/-0.153 χ^2/NDF:17748.3/38

Out: 1097.061+/-0.150 χ^2/NDF:14378.8/42

All: 1096.558+/-0.107 χ^2/NDF: 32149.9/81



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: -85.329+/-353.933 χ^2/NDF:18.1/22

Left: 257.669+/-248.788 χ^2/NDF: 44.4/46

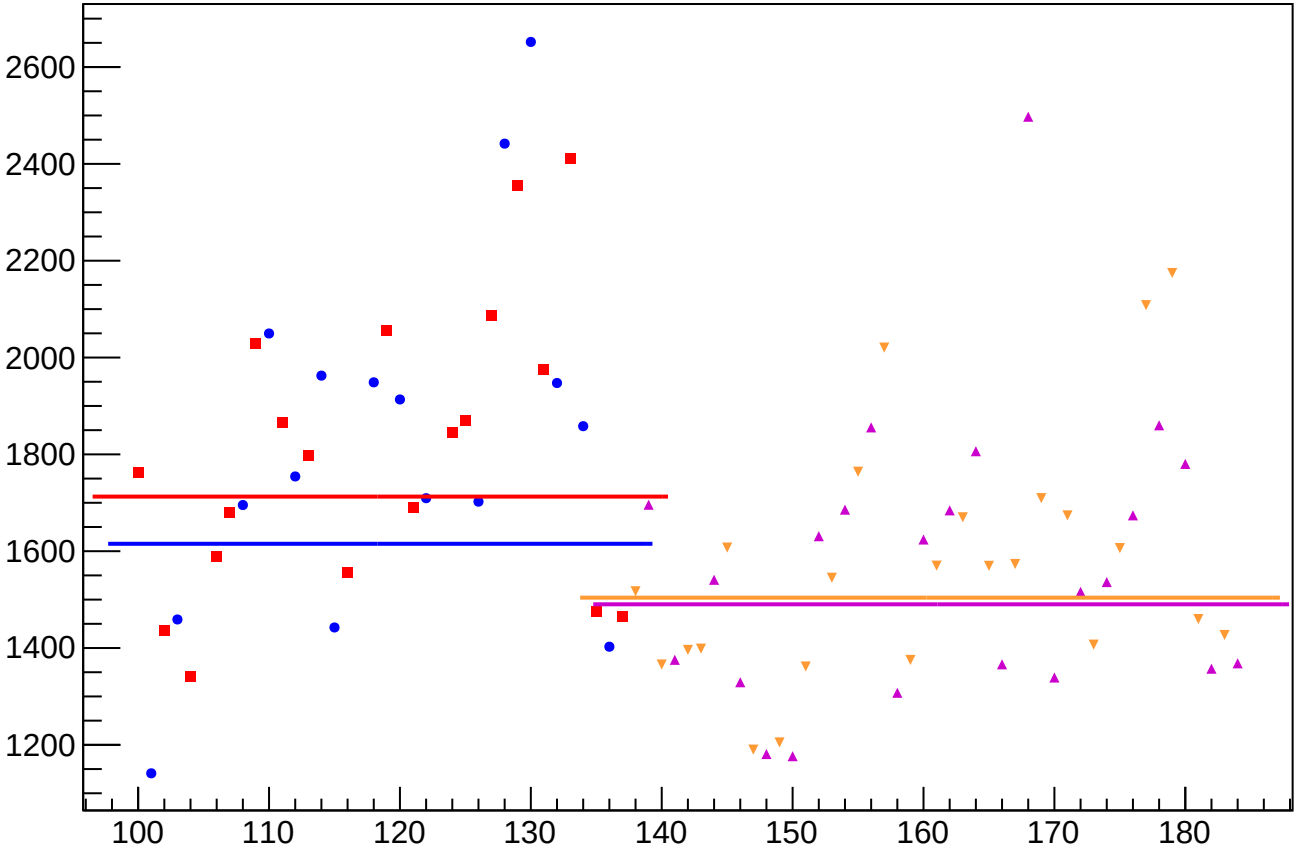
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: -40.565+/-307.142 χ^2/NDF:35.0/38

Out: 275.335+/-306.596 χ^2/NDF:43.1/42

All: 117.666+/-216.989 χ^2/NDF: 78.6/81

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: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.263+/-0.176 χ^2/NDF: 1768996.2/46

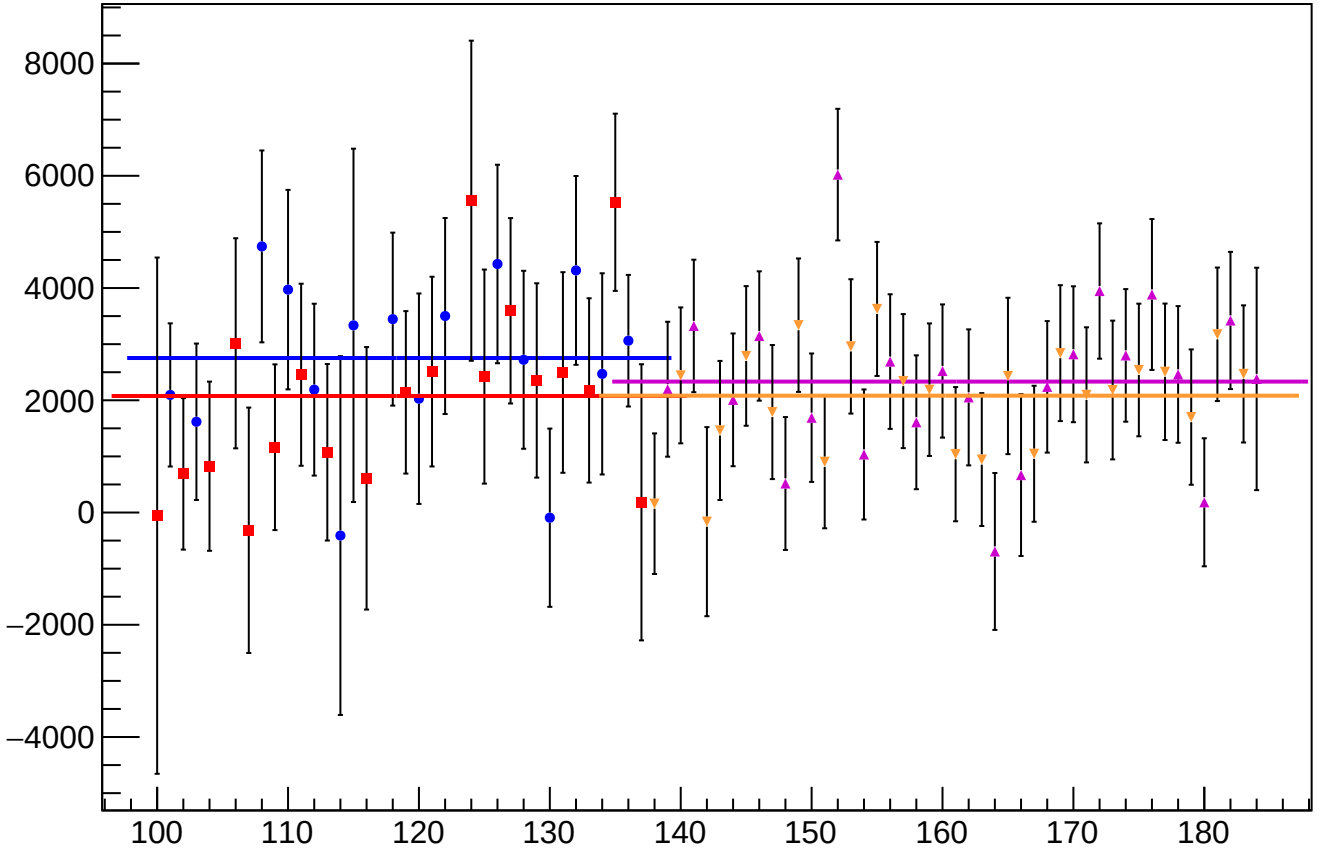
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1521.181+/-0.217 χ^2/NDF:1723452.0/38

Out: 1552.413+/-0.217 χ^2/NDF:1392354.2/42

All: 1536.825+/-0.153 χ^2/NDF: 3126165.1/81

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: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2204.850+/-178.618 χ^2/NDF: 43.4/46

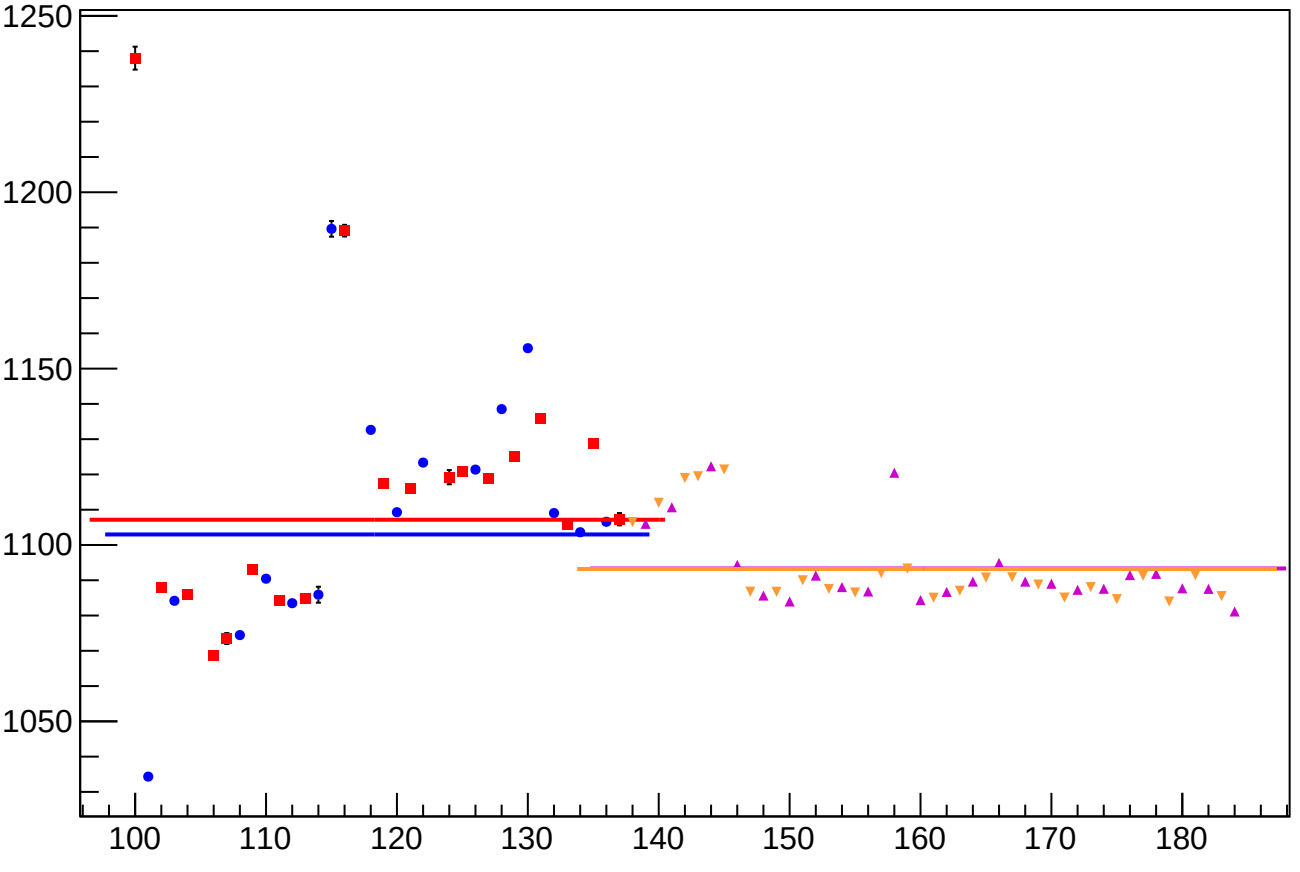
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2450.407+/-216.686 χ^2/NDF:39.7/38

Out: 2080.460+/-212.562 χ^2/NDF:26.0/42

All: 2261.879+/-151.741 χ^2/NDF: 67.2/81

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: 1093.338+/-0.181 χ^2/NDF:3725.7/22

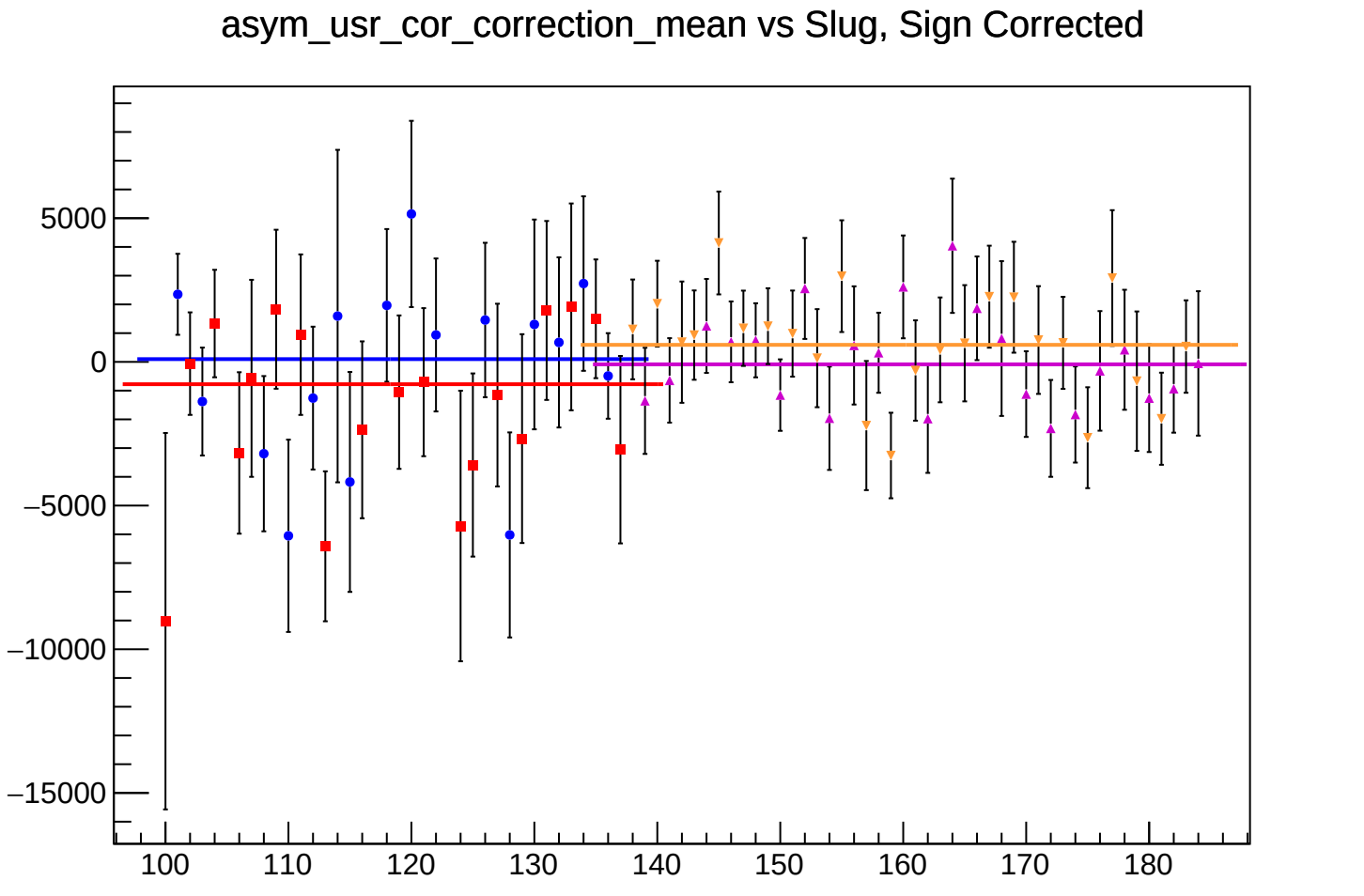
Left: 1093.262+/-0.126 χ^2/NDF: 7691.1/46

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

In: 1096.036+/-0.153 χ^2/NDF:17748.3/38

Out: 1097.061+/-0.150 χ^2/NDF:14378.8/42

All: 1096.558+/-0.107 χ^2/NDF: 32149.9/81



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: -85.329+/-353.933 χ^2/NDF:18.1/22

Left: 257.669+/-248.788 χ^2/NDF: 44.4/46

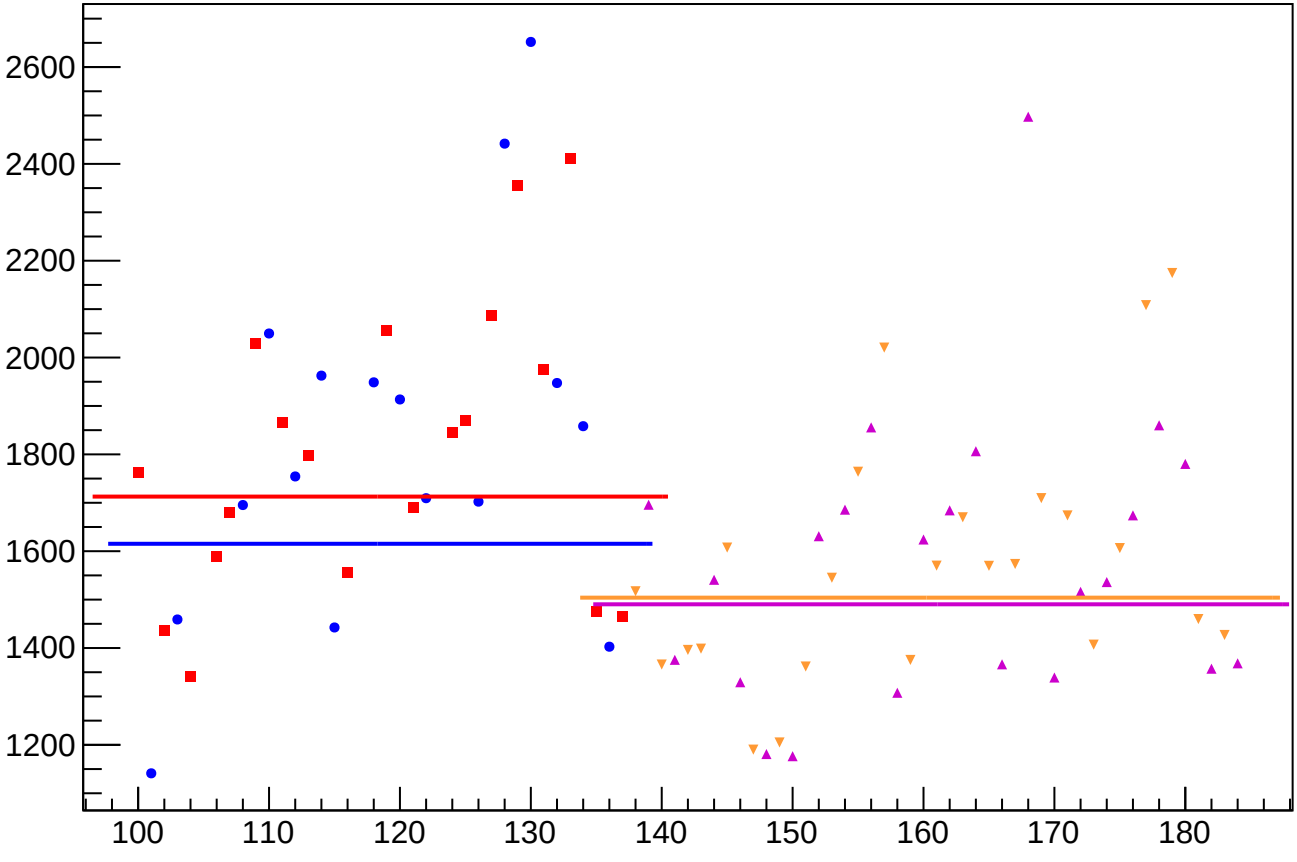
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: -40.565+/-307.142 χ^2/NDF:35.0/38

Out: 275.335+/-306.596 χ^2/NDF:43.1/42

All: 117.666+/-216.989 χ^2/NDF: 78.6/81

asym_usr_cor_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: 1490.314+/-0.250 χ^2/NDF:968221.5/22

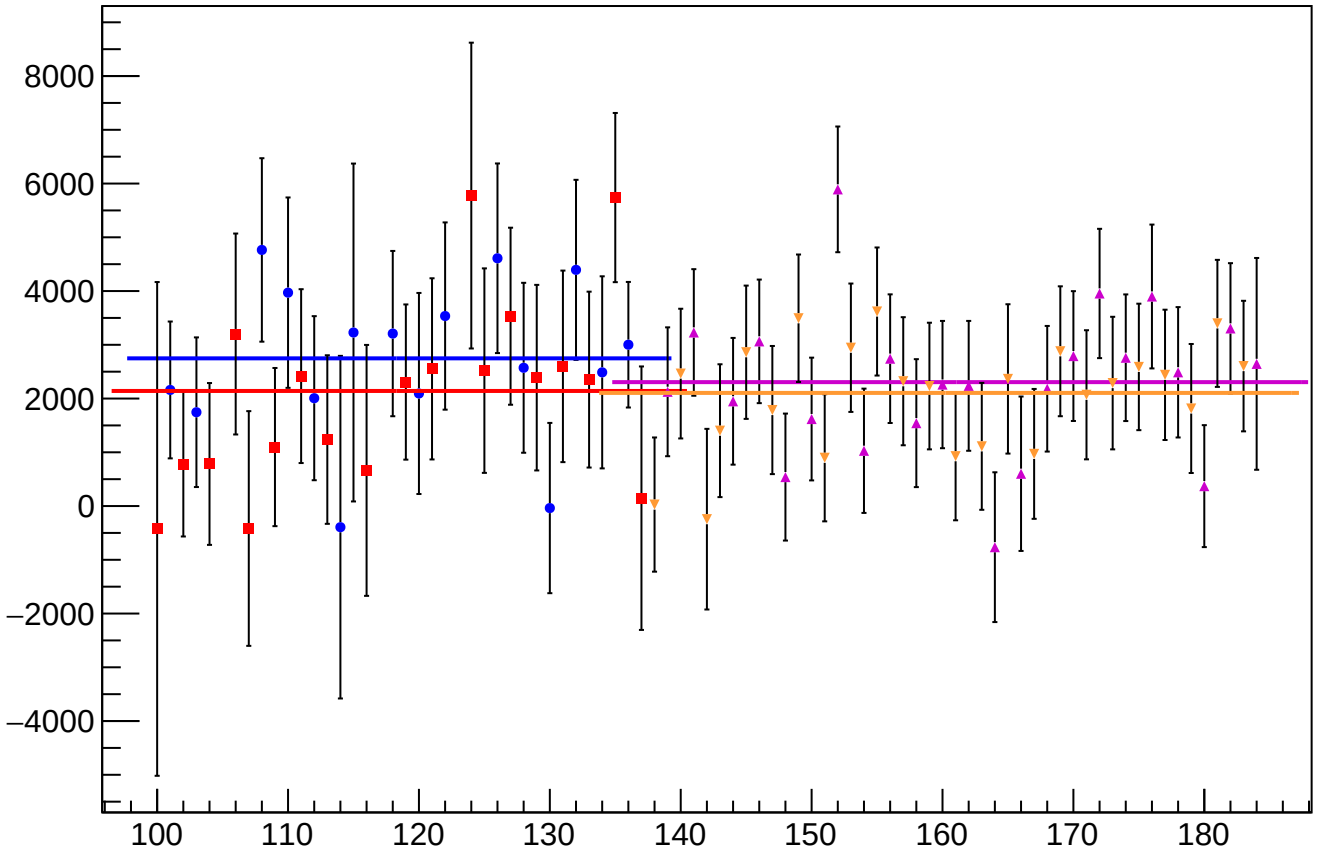
Left: 1497.263+/-0.176 χ^2/NDF: 1768996.2/46

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

In: 1521.181+/-0.217 χ^2/NDF:1723452.0/38

Out: 1552.413+/-0.217 χ^2/NDF:1392354.2/42

All: 1536.825+/-0.153 χ^2/NDF: 3126165.1/81



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2104.963+/-249.235 χ^2/NDF:14.9/23

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

Left: 2203.093+/-178.067 χ^2/NDF: 43.6/46

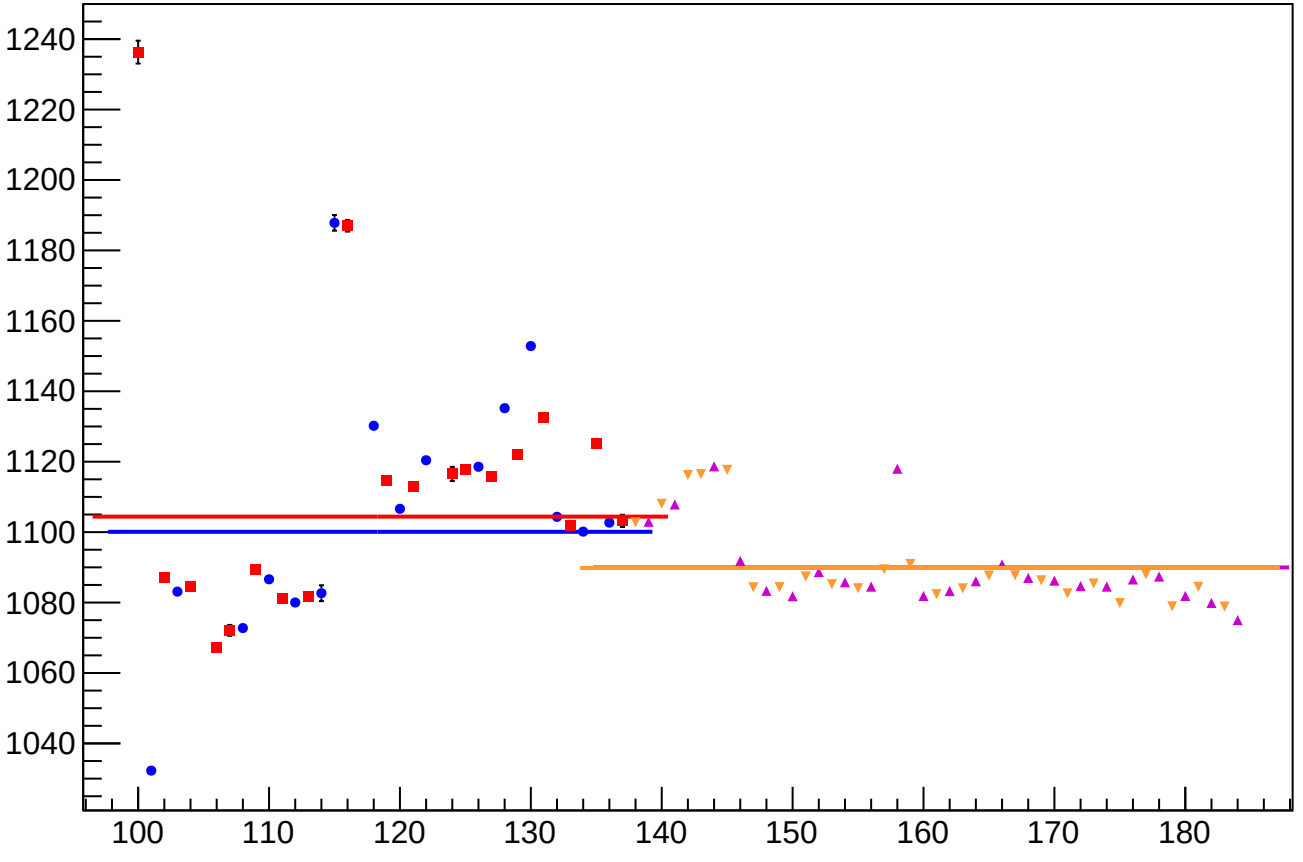
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2429.033+/-216.045 χ^2/NDF:38.8/38

Out: 2114.987+/-211.942 χ^2/NDF:28.4/42

All: 2268.999+/-151.295 χ^2/NDF: 68.3/81

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: 1089.964+/-0.180 χ^2/NDF:3896.0/22

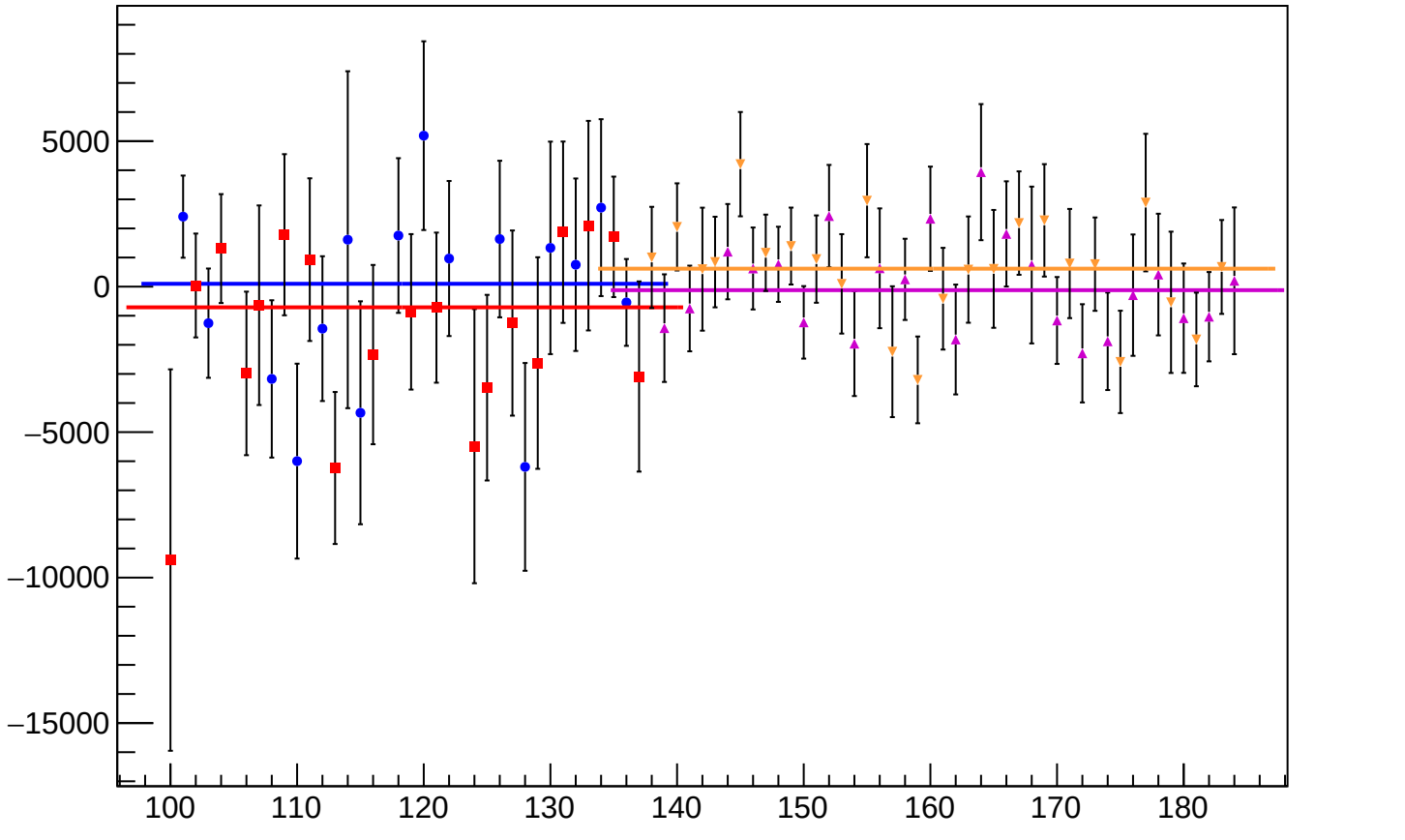
Left: 1089.891+/-0.126 χ^2/NDF: 7939.7/46

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

In: 1092.793+/-0.153 χ^2/NDF:17857.6/38

Out: 1093.858+/-0.150 χ^2/NDF:14482.4/42

All: 1093.336+/-0.107 χ^2/NDF: 32364.8/81



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: -121.420+/-354.540 χ^2/NDF:17.1/22

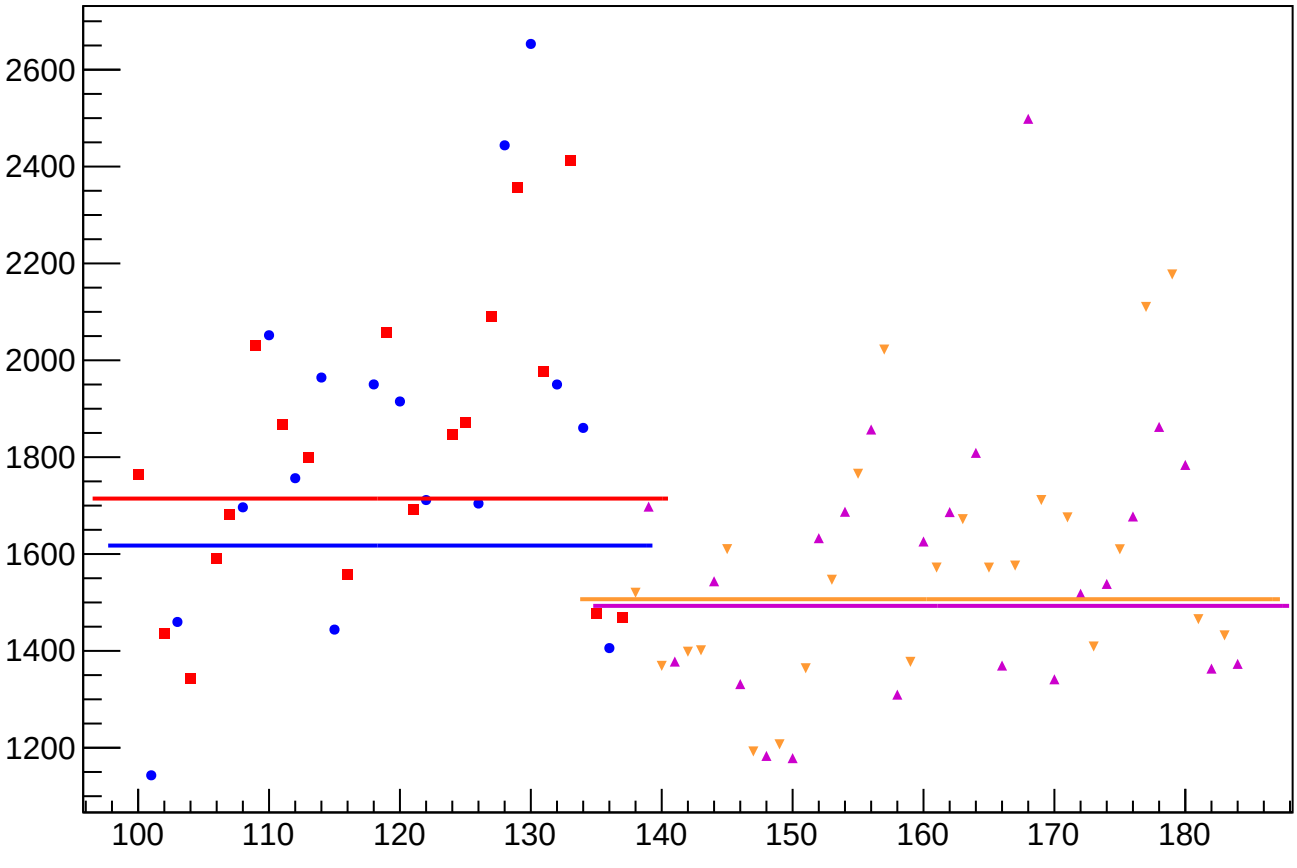
Left: 252.040+/-249.213 χ^2/NDF: 43.2/46

Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: -67.342+/-307.635 χ^2/NDF:34.4/38

Out: 308.743+/-307.067 χ^2/NDF:42.2/42

All: 121.048+/-217.330 χ^2/NDF: 77.4/81



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: 1492.976+/-0.251 χ^2/NDF:964358.0/22

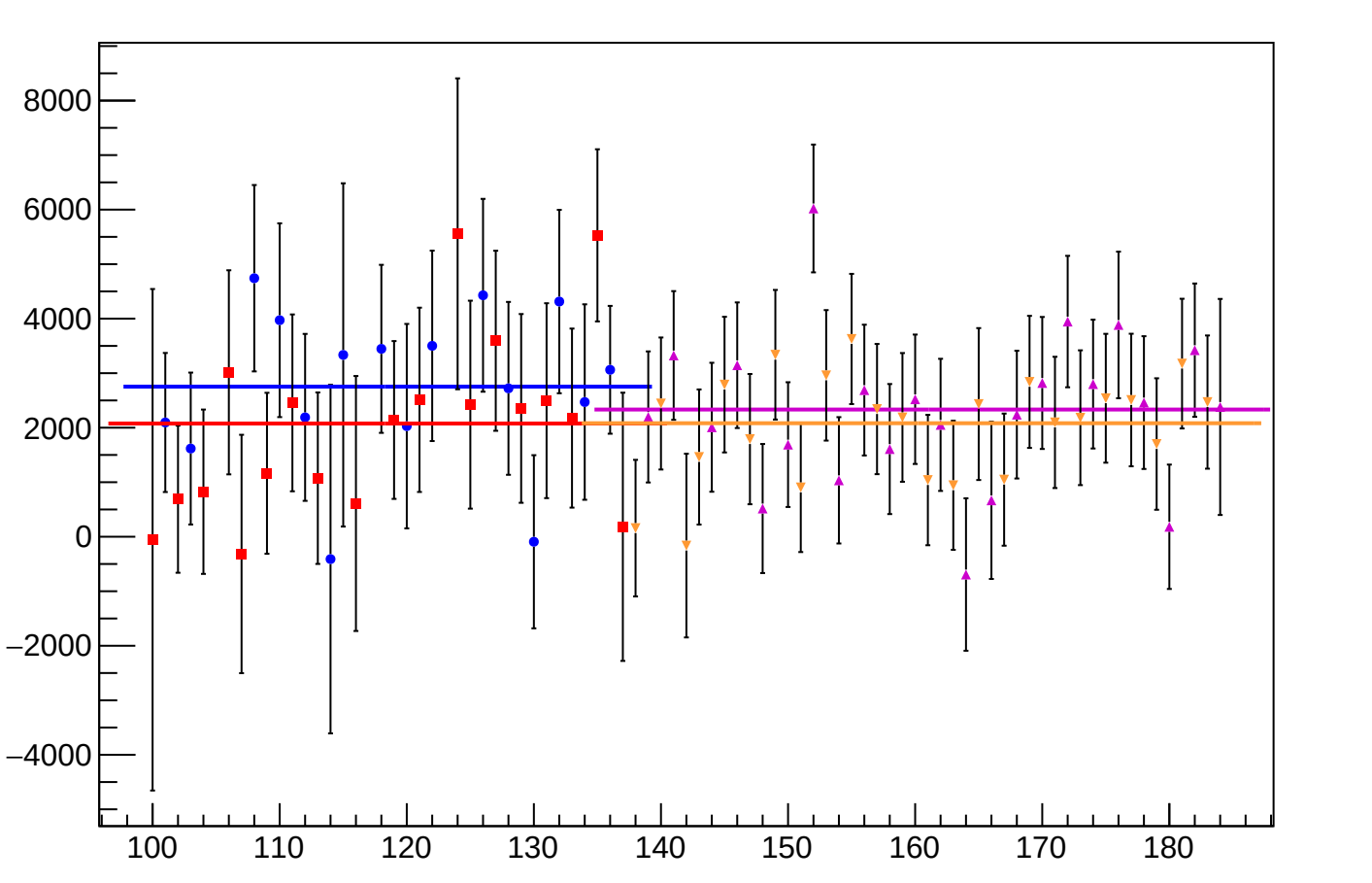
Left: 1499.932+/-0.176 χ^2/NDF: 1761848.6/46

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

In: 1523.743+/-0.218 χ^2/NDF:1717037.7/38

Out: 1554.920+/-0.217 χ^2/NDF:1386817.7/42

All: 1539.360+/-0.154 χ^2/NDF: 3114144.9/81



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: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2204.850+/-178.618 χ^2/NDF: 43.4/46

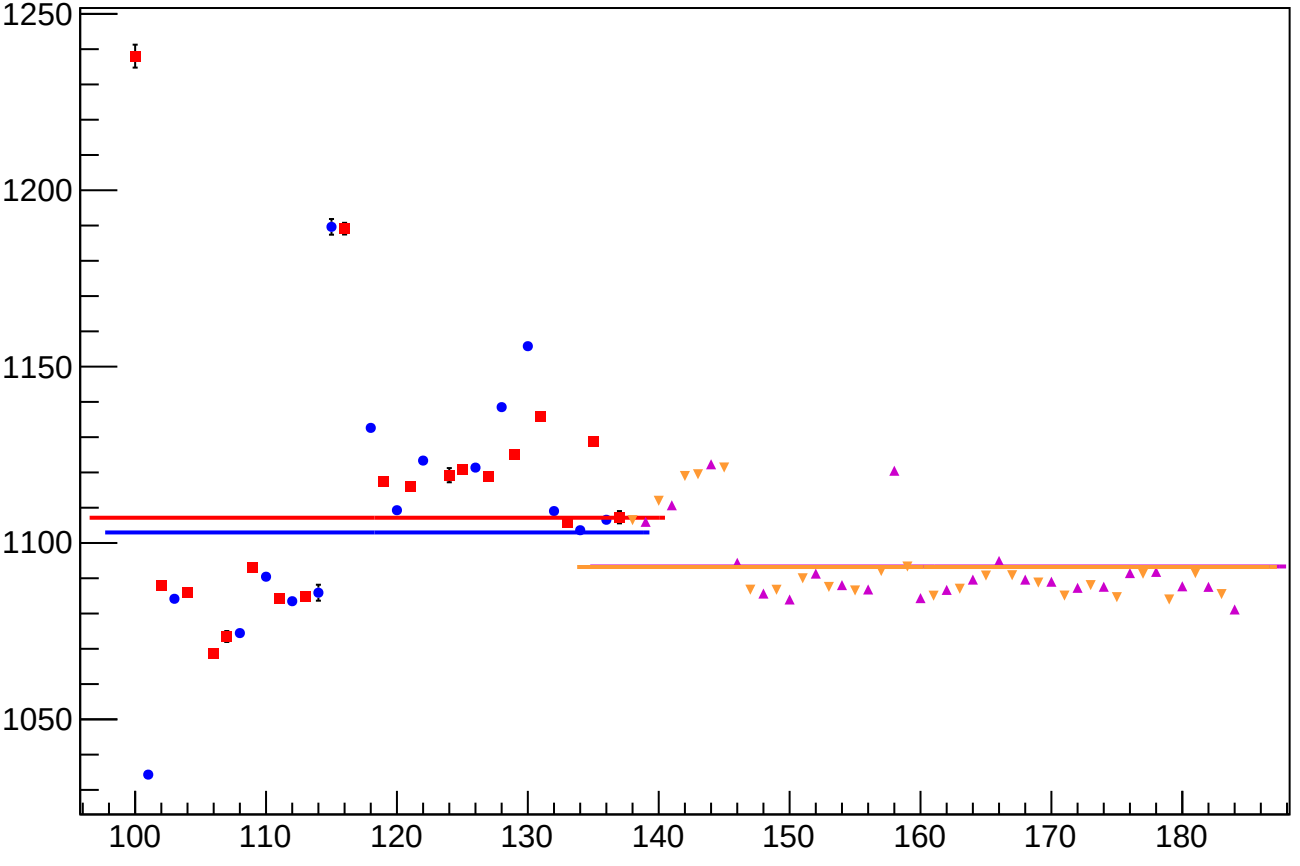
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2450.407+/-216.686 χ^2/NDF:39.7/38

Out: 2080.460+/-212.562 χ^2/NDF:26.0/42

All: 2261.879+/-151.741 χ^2/NDF: 67.2/81

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: 1093.338+/-0.181 χ^2/NDF:3725.7/22

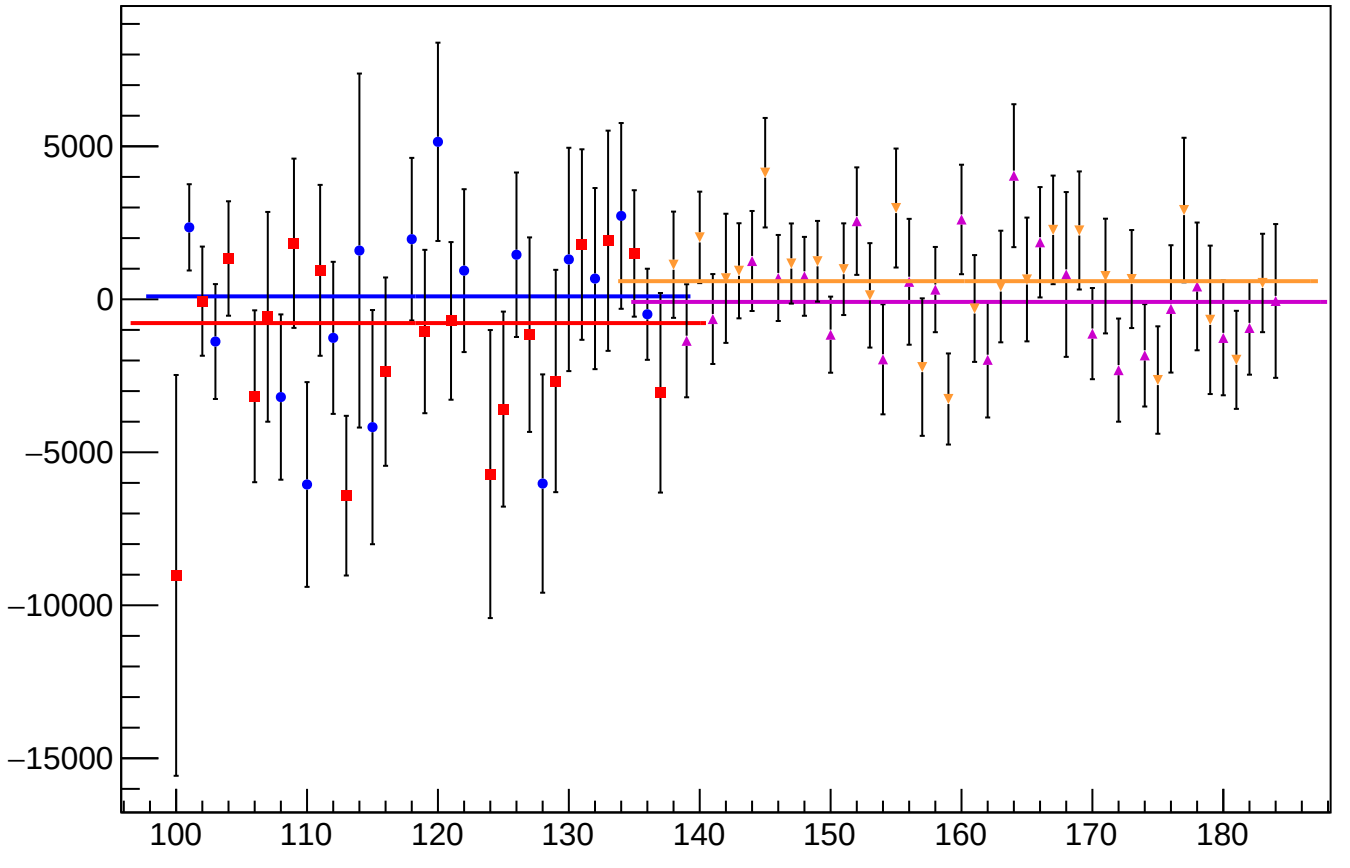
Left: 1093.262+/-0.126 χ^2/NDF: 7691.1/46

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

In: 1096.036+/-0.153 χ^2/NDF:17748.3/38

Out: 1097.061+/-0.150 χ^2/NDF:14378.8/42

All: 1096.558+/-0.107 χ^2/NDF: 32149.9/81



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: -85.329+/-353.933 χ^2/NDF:18.1/22

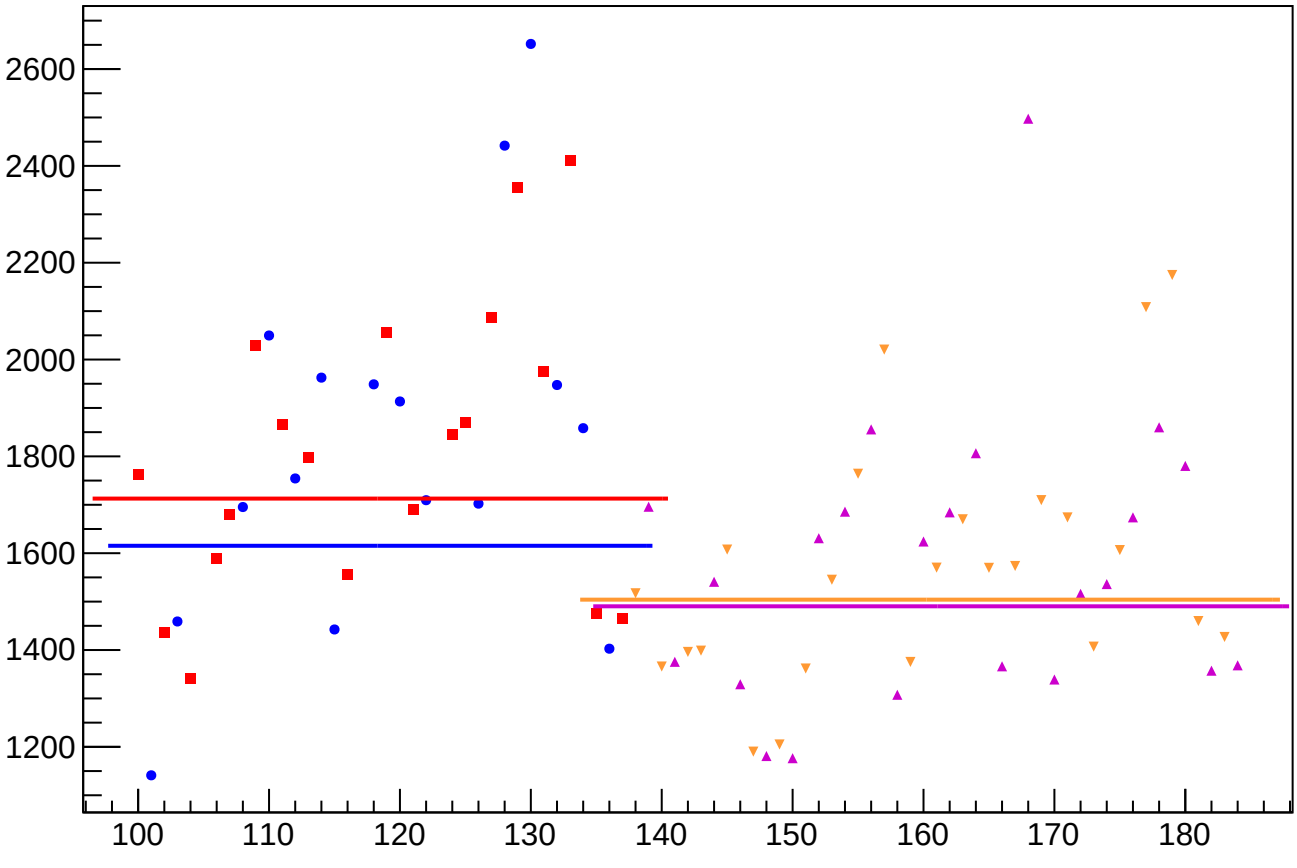
Left: 257.669+/-248.788 χ^2/NDF: 44.4/46

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

In: -40.565+/-307.142 χ^2/NDF:35.0/38

Out: 275.335+/-306.596 χ^2/NDF:43.1/42

All: 117.666+/-216.989 χ^2/NDF: 78.6/81



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: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.263+/-0.176 χ^2/NDF: 1768996.2/46

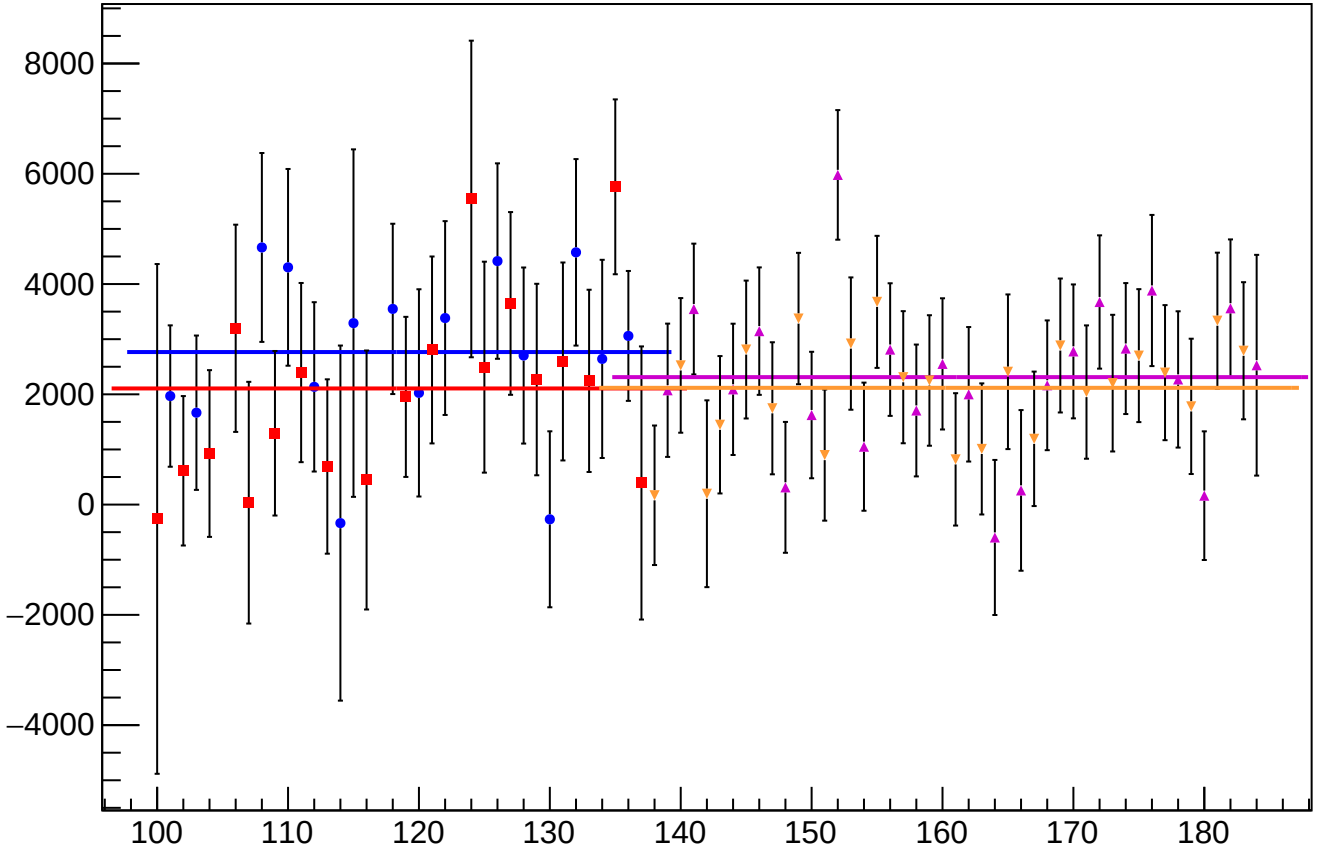
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1521.181+/-0.217 χ^2/NDF:1723452.0/38

Out: 1552.413+/-0.217 χ^2/NDF:1392354.2/42

All: 1536.825+/-0.153 χ^2/NDF: 3126165.1/81

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: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2212.743+/-179.918 χ^2/NDF: 43.7/46

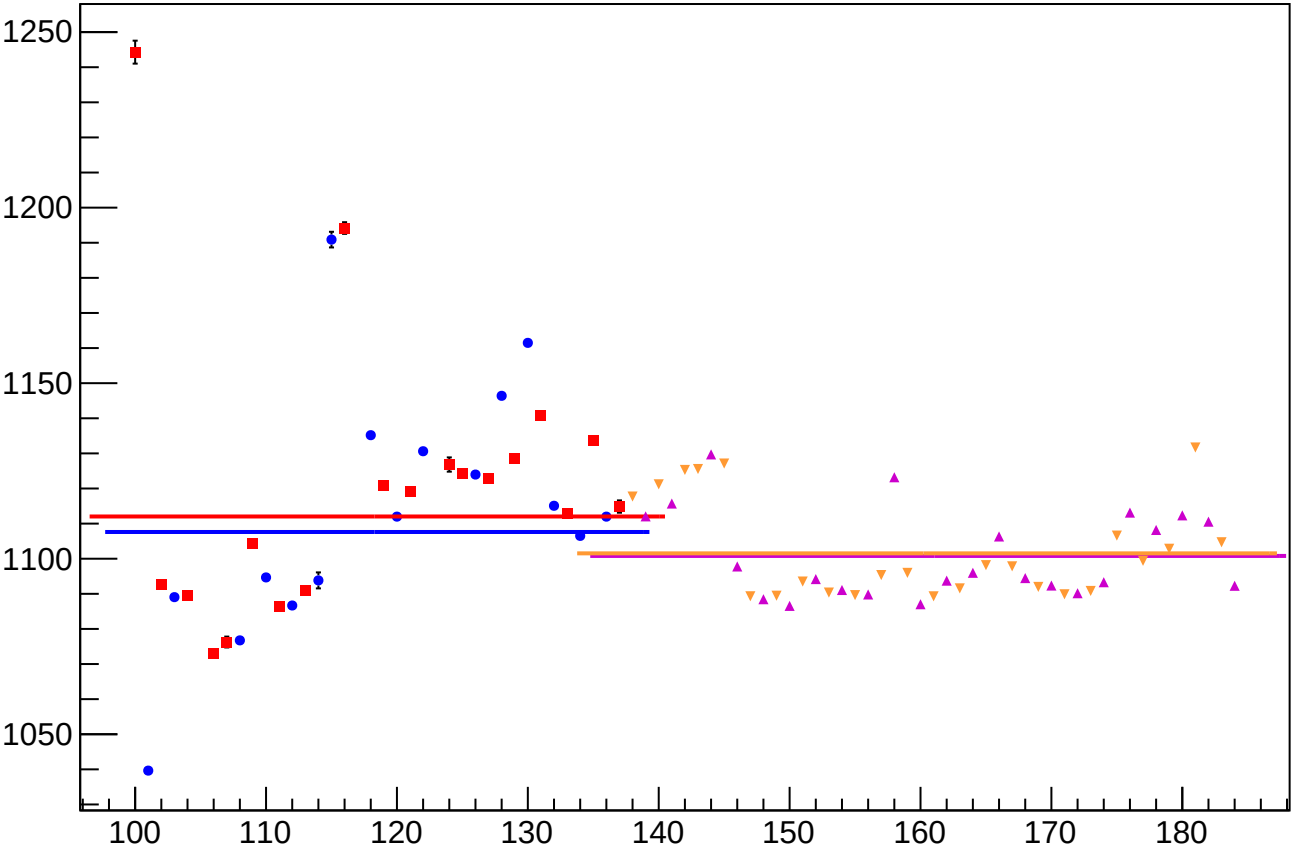
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2439.404+/-218.011 χ^2/NDF:41.1/38

Out: 2114.487+/-214.003 χ^2/NDF:26.9/42

All: 2273.931+/-152.720 χ^2/NDF: 69.1/81

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: 1100.792+/-0.182 χ^2/NDF:4641.7/22

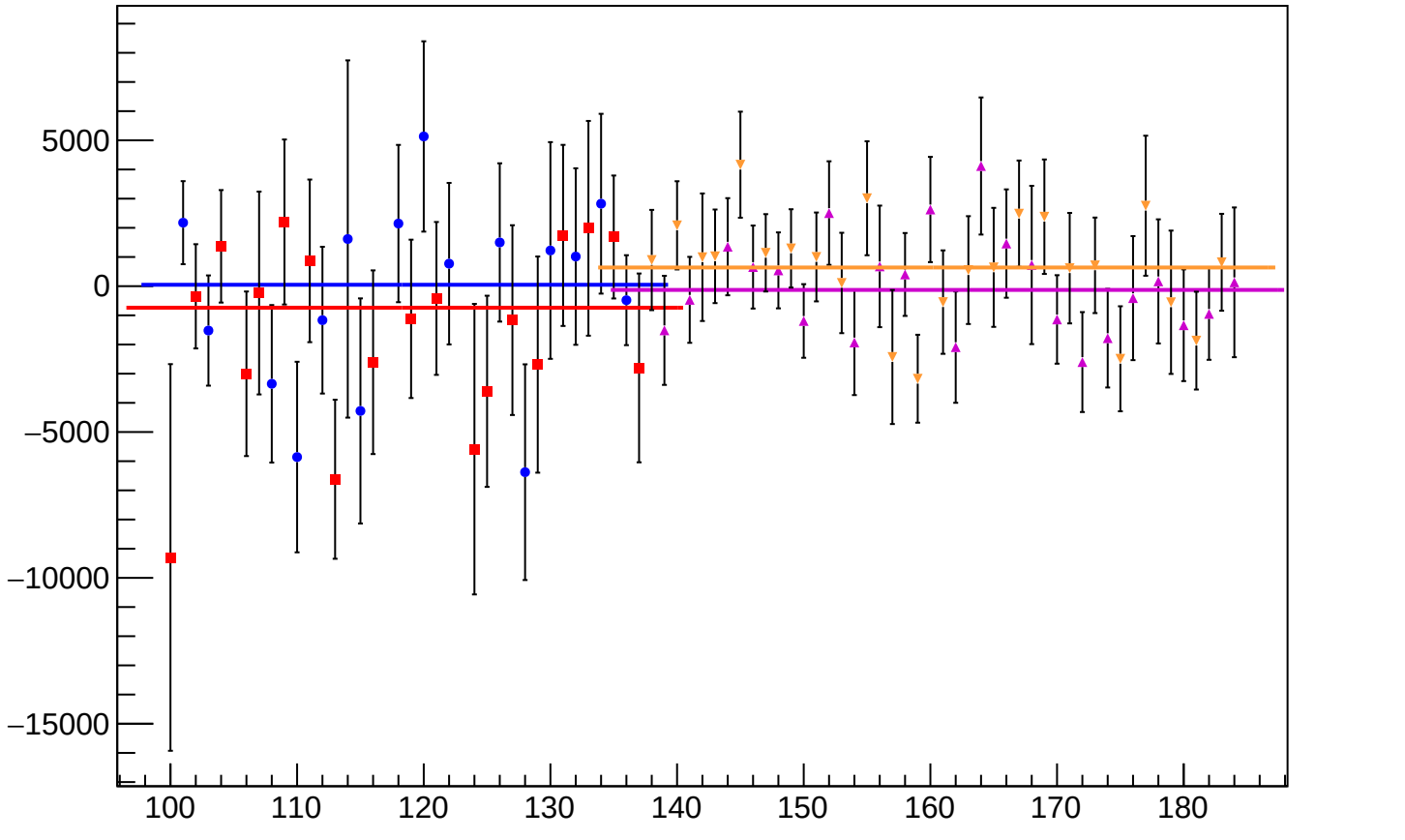
Left: 1101.166+/-0.127 χ^2/NDF: 10532.3/46

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

In: 1102.706+/-0.154 χ^2/NDF:18257.7/38

Out: 1104.450+/-0.151 χ^2/NDF:15503.6/42

All: 1103.594+/-0.108 χ^2/NDF: 33826.5/81



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: -128.769+/-359.128 χ^2/NDF:17.9/22

Left: 259.021+/-252.826 χ^2/NDF: 43.7/46

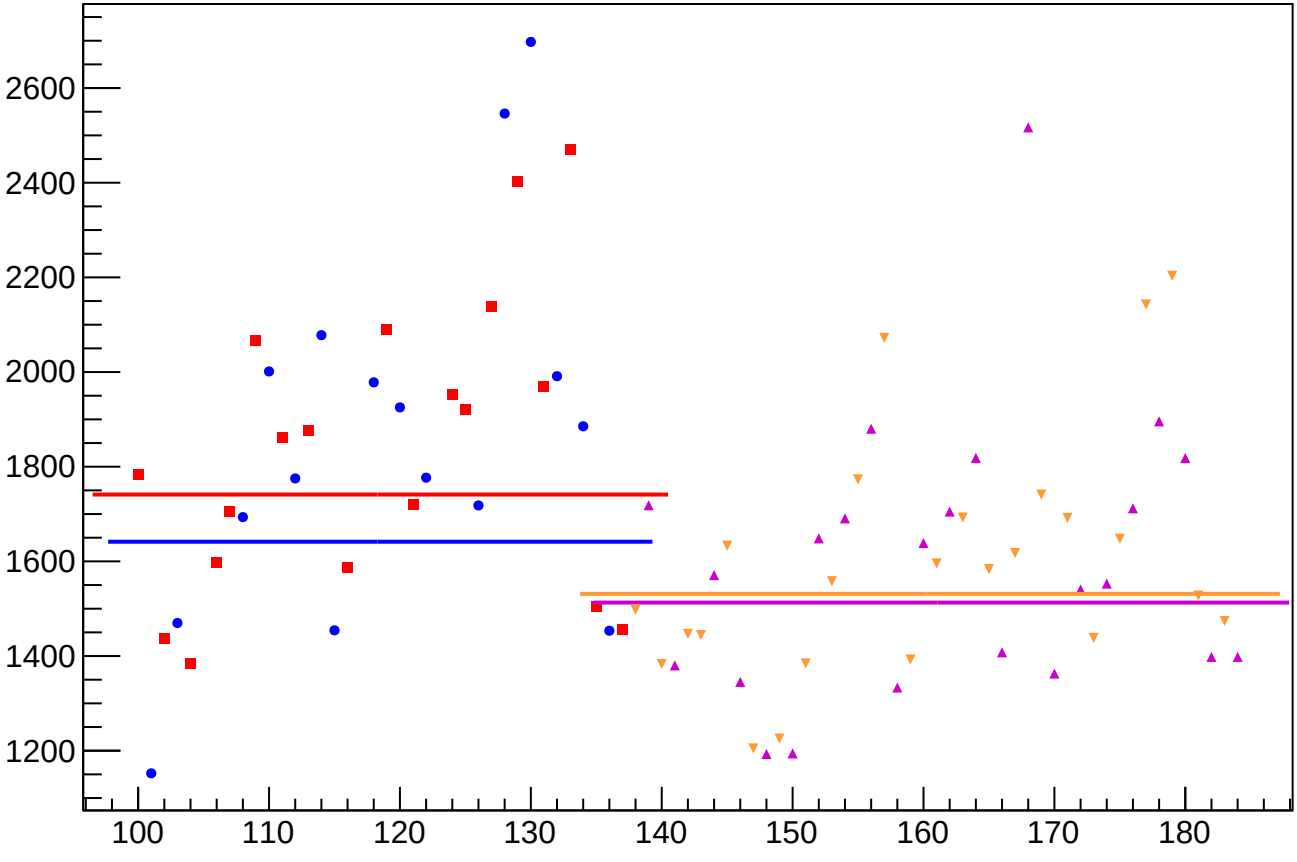
Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: -85.259+/-311.760 χ^2/NDF:34.8/38

Out: 320.382+/-311.986 χ^2/NDF:41.9/42

All: 117.415+/-220.527 χ^2/NDF: 77.6/81

asym_usr_dit_correction_rms vs Slug, Sign Corrected



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: 1512.947+/-0.254 χ^2/NDF:957059.5/22

Left: 1522.245+/-0.179 χ^2/NDF: 1754939.2/46

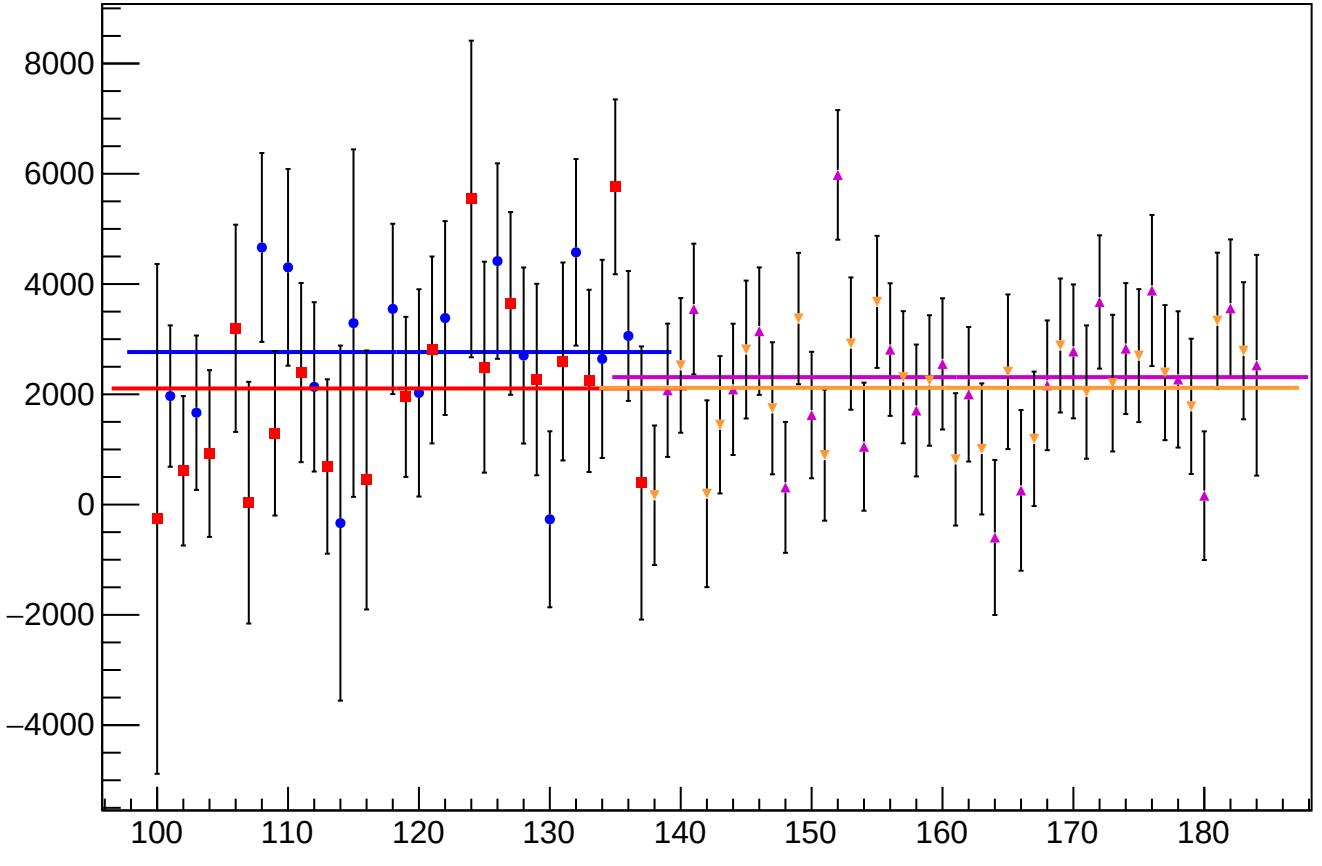
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1544.632+/-0.220 χ^2/NDF:1721552.3/38

Out: 1580.049+/-0.221 χ^2/NDF:1394708.5/42

All: 1562.327+/-0.156 χ^2/NDF: 3129157.5/81

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2117.621+/-251.926 χ^2/NDF:13.5/23

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

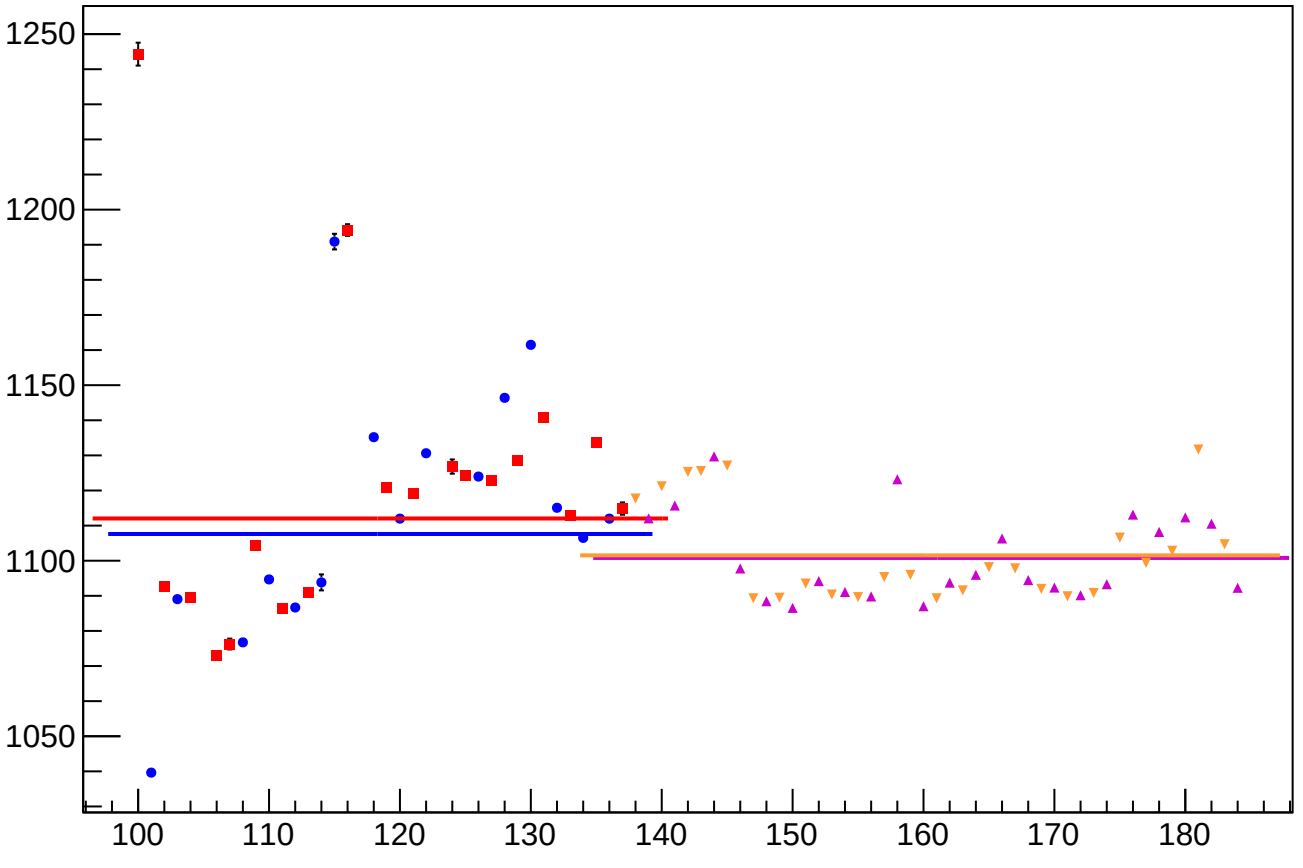
Left: 2212.742+/-179.918 χ^2/NDF: 43.7/46

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

In: 2439.404+/-218.011 χ^2/NDF:41.1/38

Out: 2114.486+/-214.003 χ^2/NDF:26.9/42

All: 2273.931+/-152.720 χ^2/NDF: 69.1/81



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: 1100.792+/-0.182 χ^2/NDF:4641.7/22

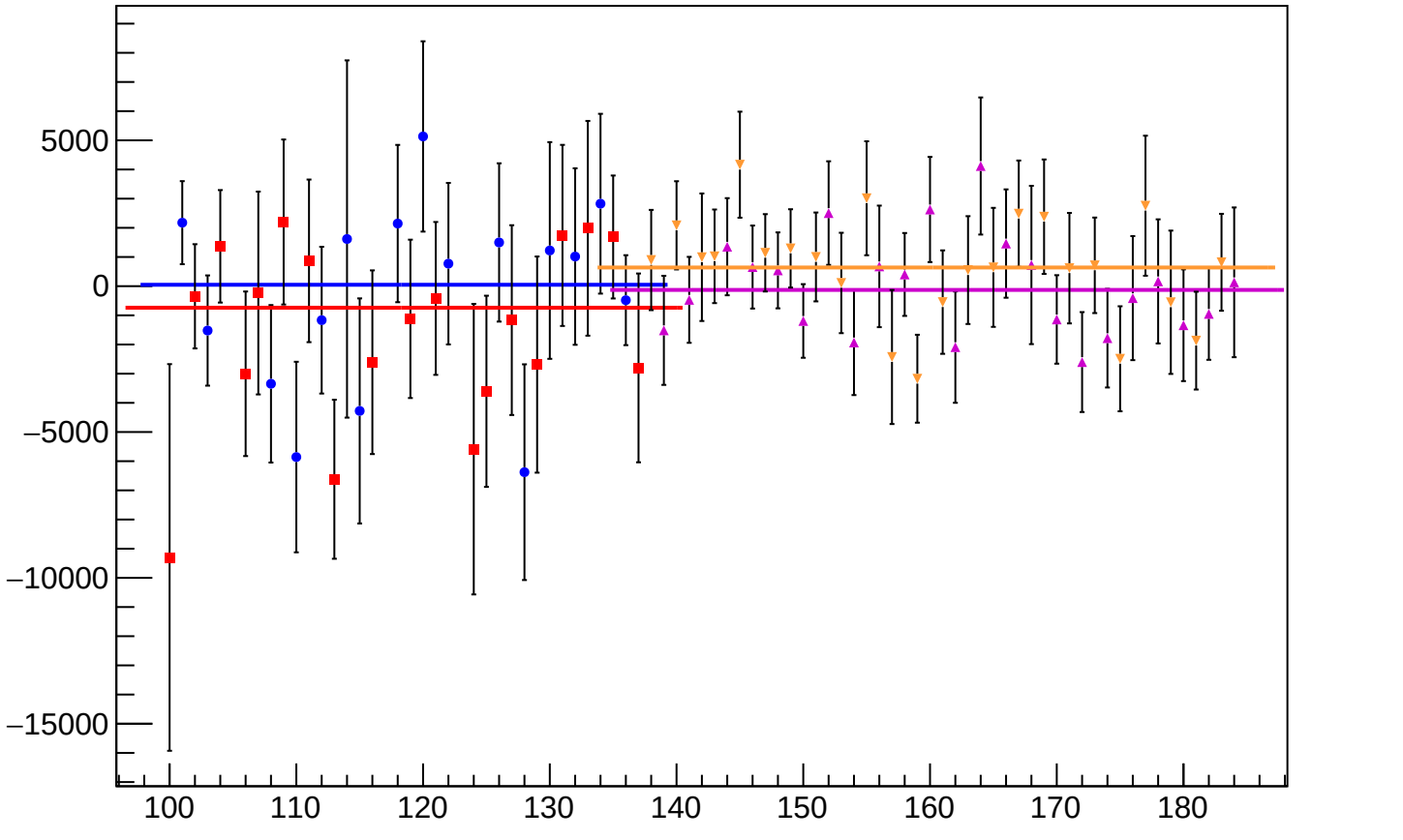
Left: 1101.167+/-0.127 χ^2/NDF: 10532.2/46

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

In: 1102.706+/-0.154 χ^2/NDF:18257.6/38

Out: 1104.450+/-0.151 χ^2/NDF:15503.5/42

All: 1103.594+/-0.108 χ^2/NDF: 33826.3/81



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: -128.769+/-359.129 χ^2/NDF:17.9/22

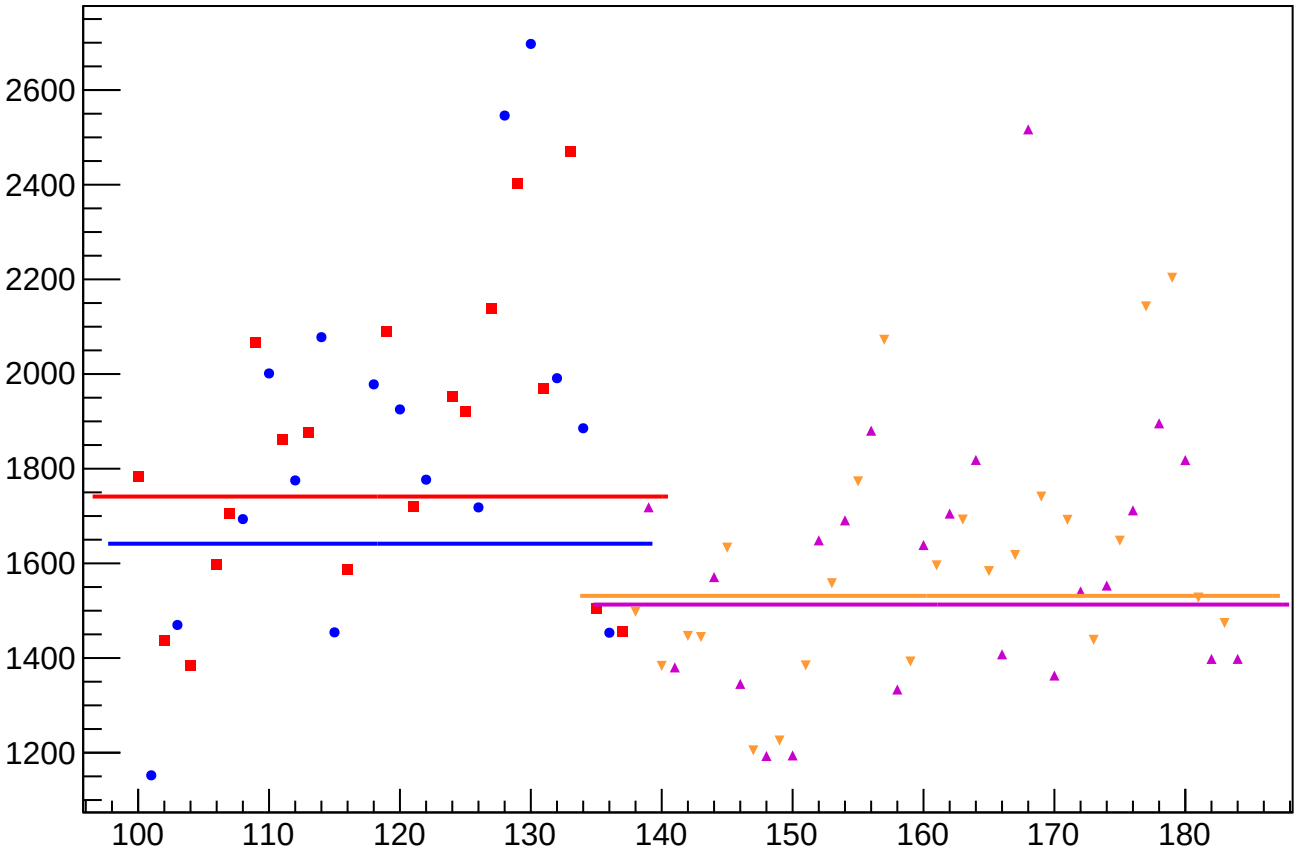
Left: 259.020+/-252.826 χ^2/NDF: 43.7/46

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

In: -85.259+/-311.761 χ^2/NDF:34.8/38

Out: 320.378+/-311.986 χ^2/NDF:41.9/42

All: 117.413+/-220.528 χ^2/NDF: 77.6/81



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: 1512.951+/-0.254 χ^2/NDF:957065.2/22

Left: 1522.249+/-0.179 χ^2/NDF: 1754948.9/46

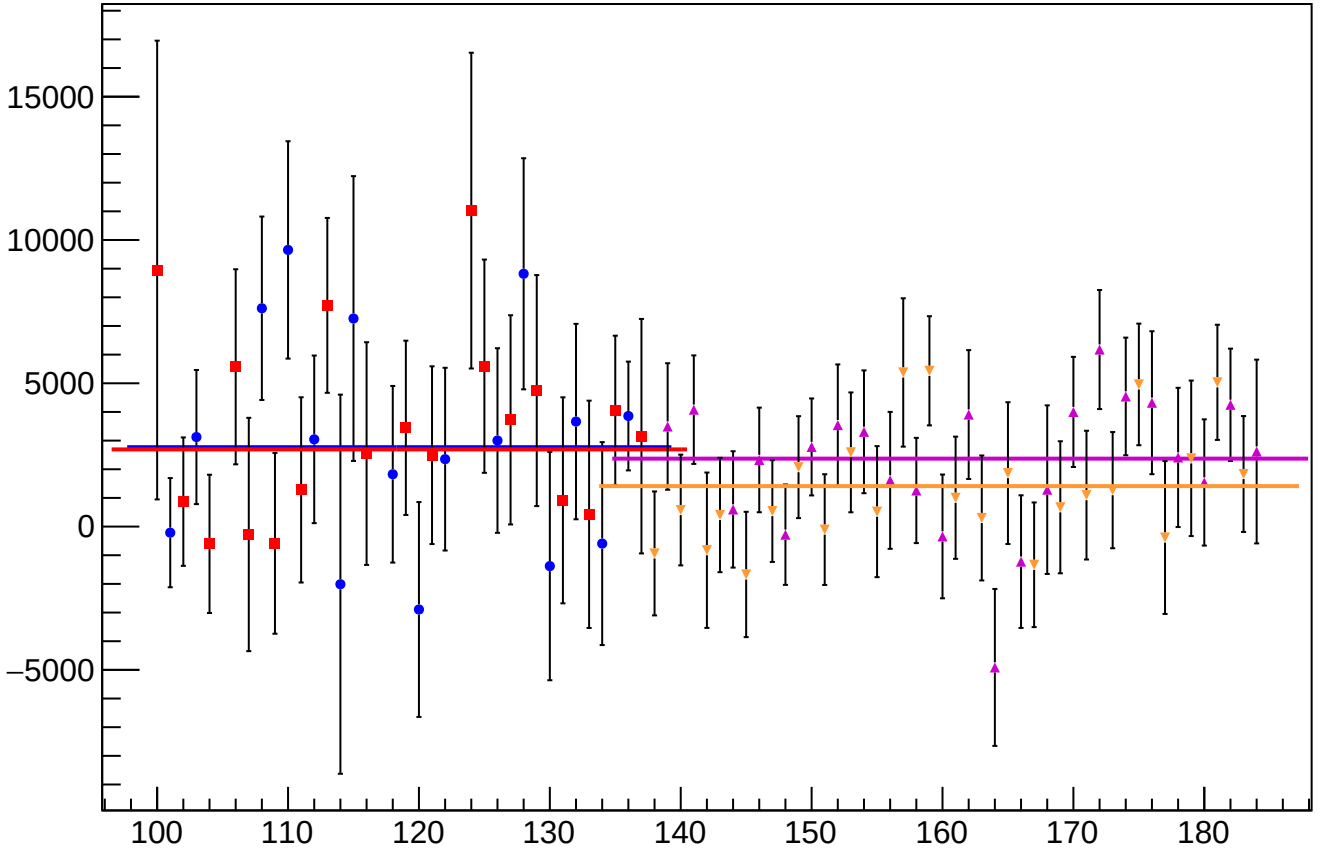
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1544.634+/-0.220 χ^2/NDF:1721540.2/38

Out: 1580.052+/-0.221 χ^2/NDF:1394692.2/42

All: 1562.330+/-0.156 χ^2/NDF: 3129129.4/81

asym_usr_mean vs Slug, Sign Corrected



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: 2370.694+/-442.952 χ^2/NDF:23.7/22

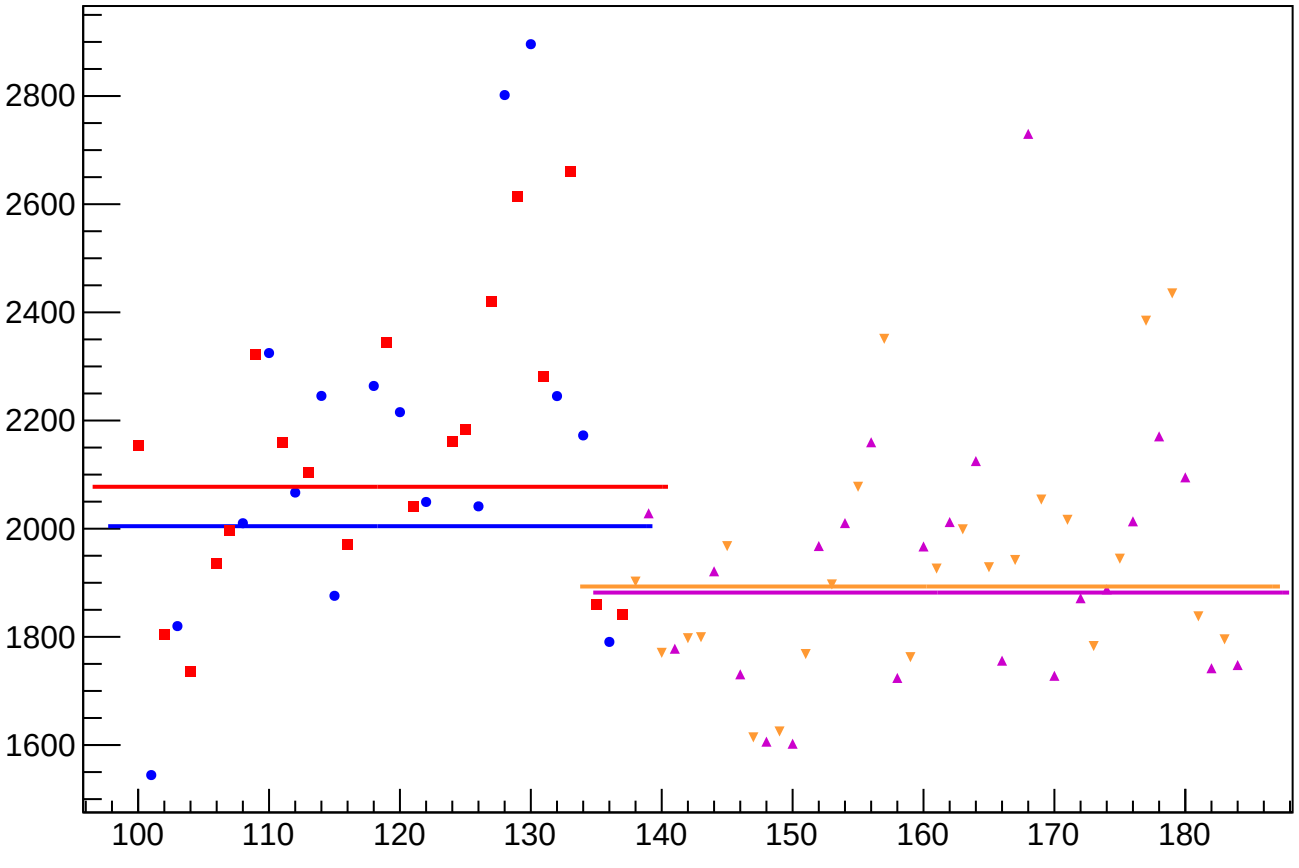
Left: 1884.228+/-310.869 χ^2/NDF: 47.4/46

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

In: 2472.507+/-382.326 χ^2/NDF:40.4/38

Out: 1725.997+/-379.146 χ^2/NDF:35.9/42

All: 2096.135+/-269.214 χ^2/NDF: 78.2/81



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: 1881.892+/-0.313 χ^2/NDF:462659.6/22

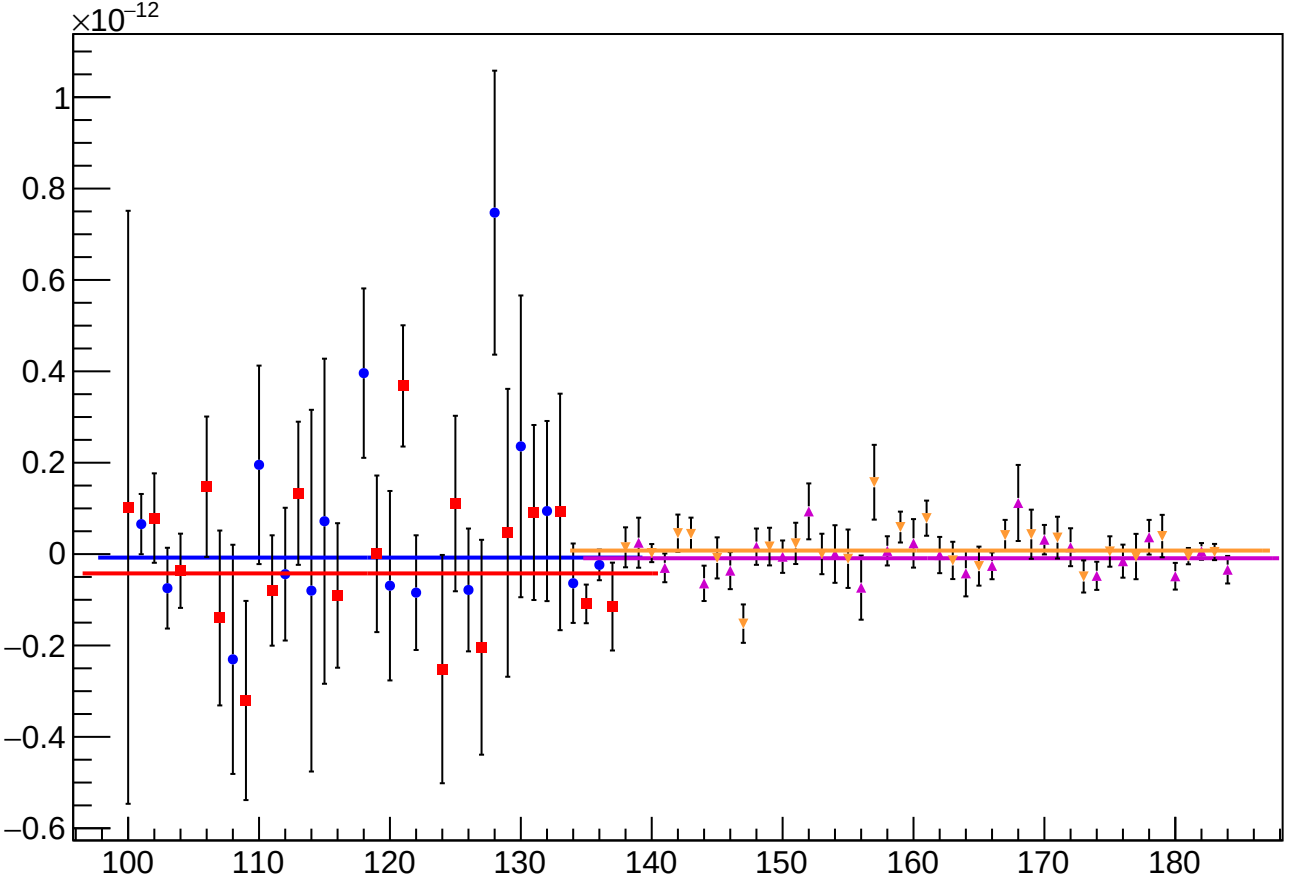
Left: 1887.585+/-0.220 χ^2/NDF: 852247.6/46

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

In: 1913.192+/-0.270 χ^2/NDF:889388.8/38

Out: 1938.314+/-0.268 χ^2/NDF:706954.1/42

All: 1925.858+/-0.190 χ^2/NDF: 1600696.6/81



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:19.1/22

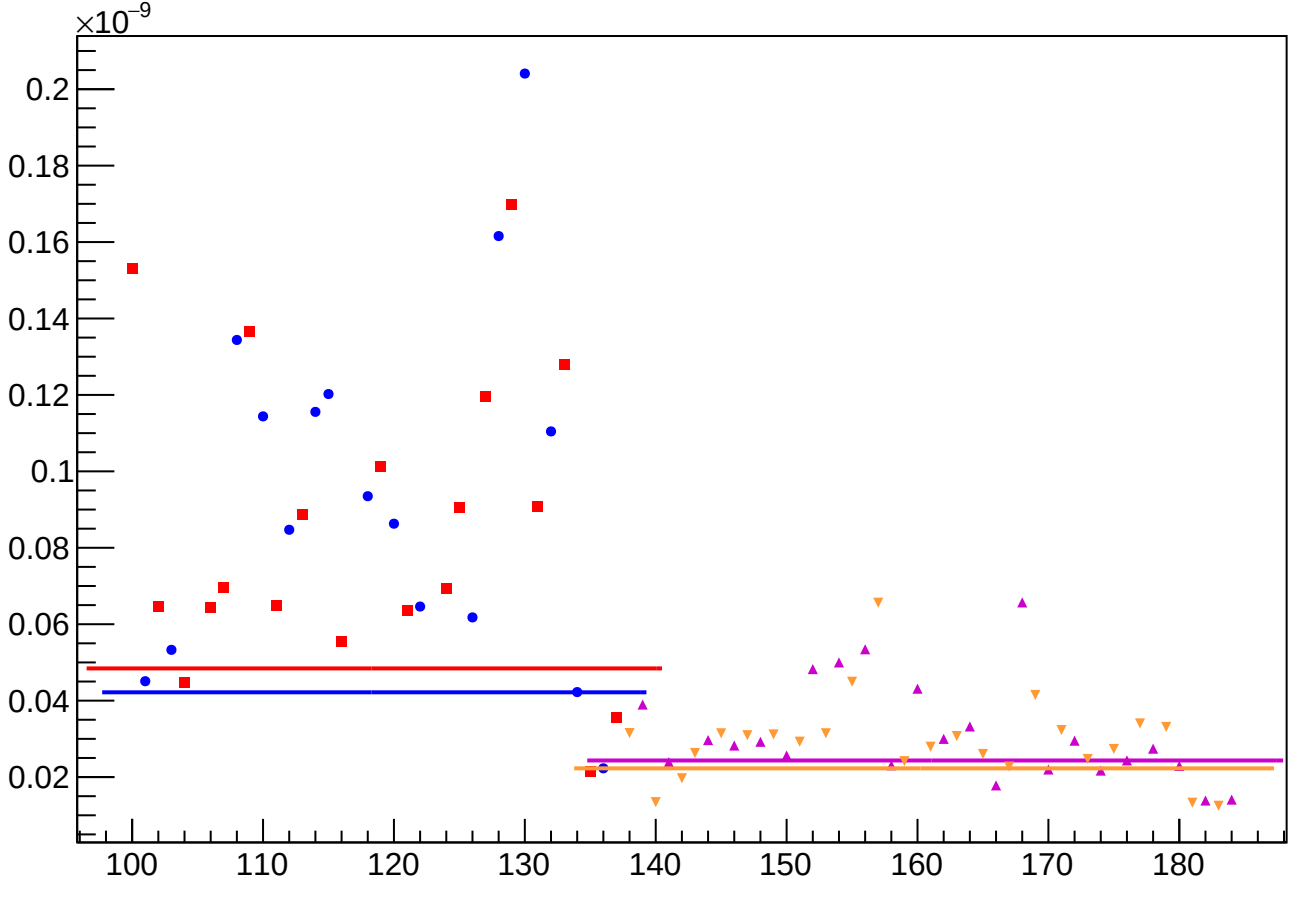
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

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

In: -0.000+/-0.000 χ^2/NDF:35.5/38

Out: 0.000+/-0.000 χ^2/NDF:57.3/42

All: -0.000+/-0.000 χ^2/NDF: 94.8/81



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:3124271.4/22

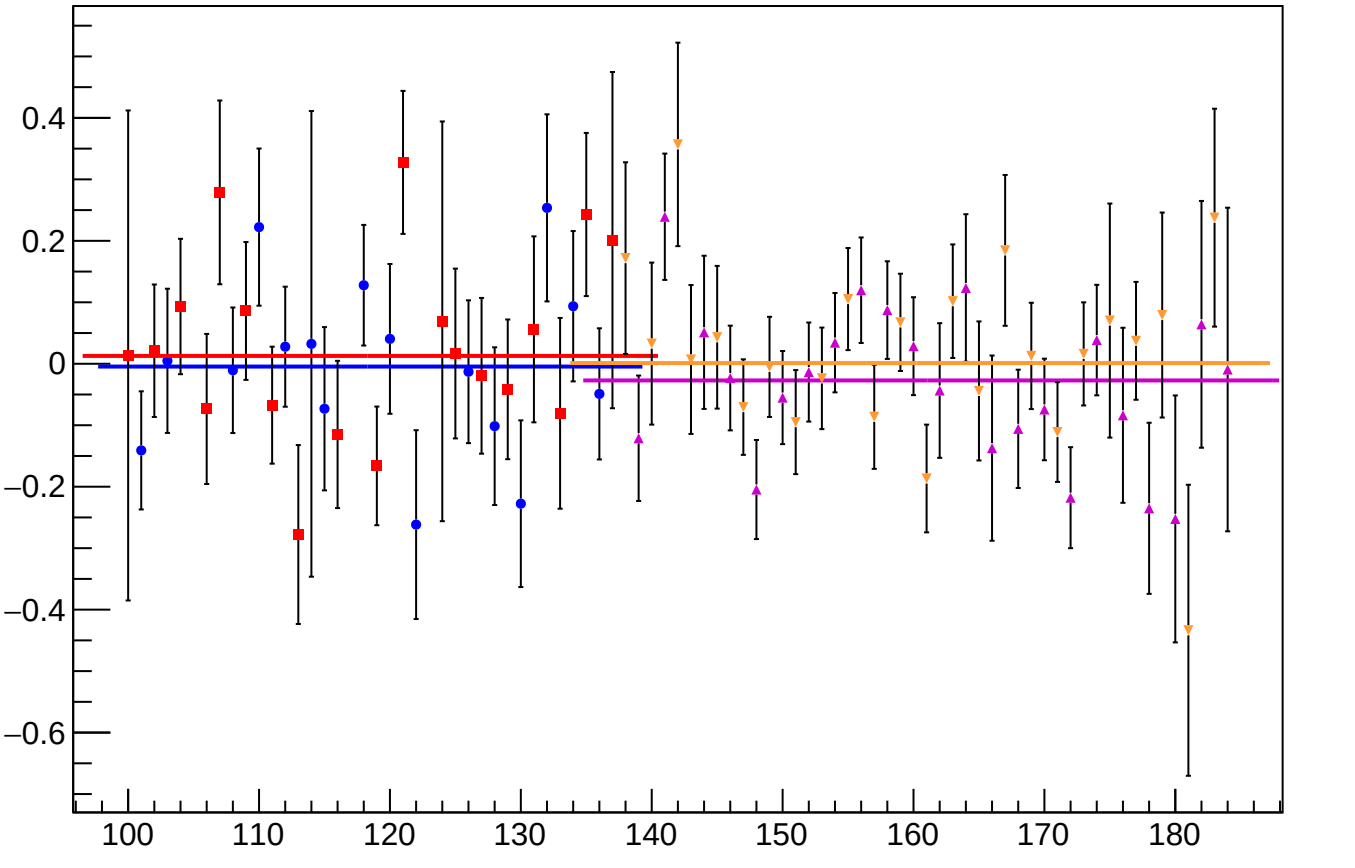
Left: 0.000+/-0.000 χ^2/NDF: 6833135.8/46

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

In: 0.000+/-0.000 χ^2/NDF:7042434.3/38

Out: 0.000+/-0.000 χ^2/NDF:7990168.5/42

All: 0.000+/-0.000 χ^2/NDF: 15115625.0/81



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:32.0/22

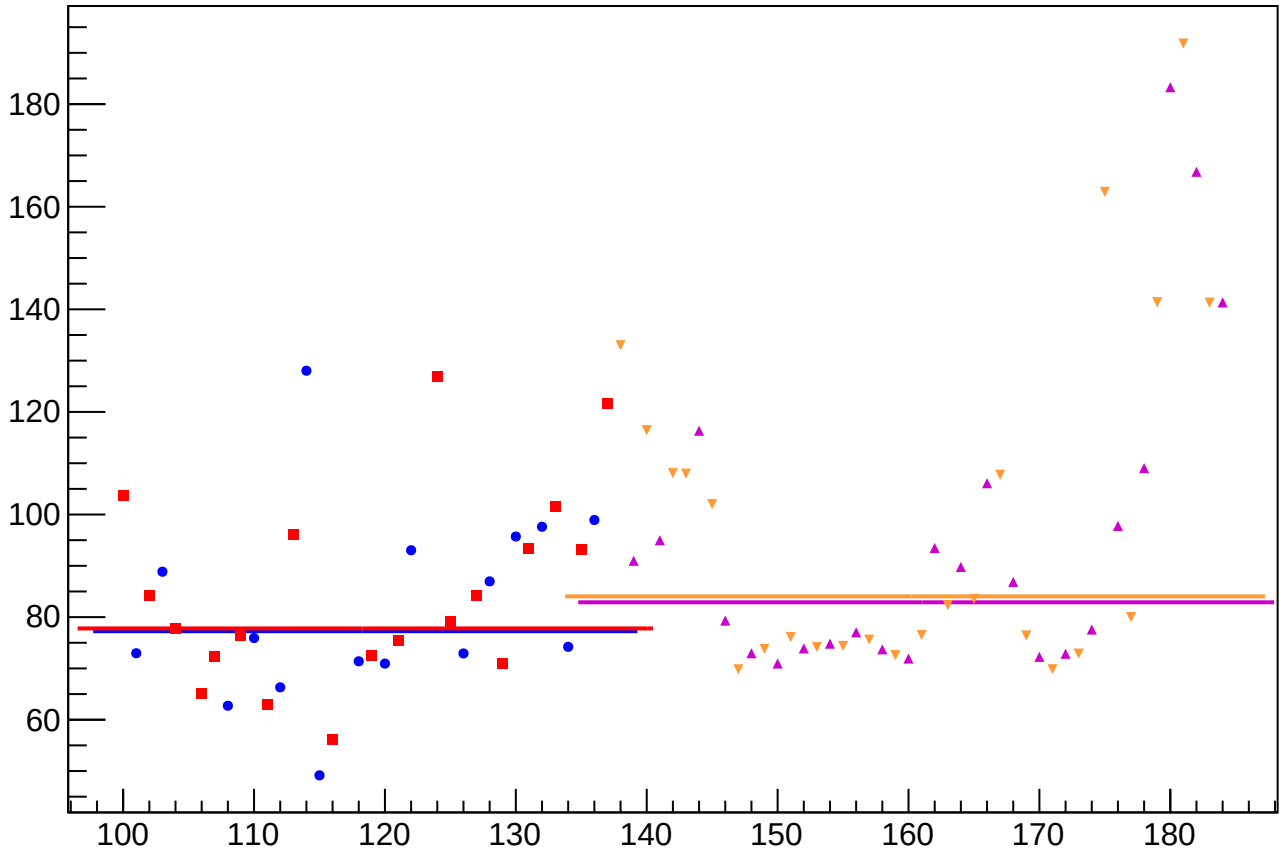
Left: -0.013+/-0.015 χ^2/NDF: 60.3/46

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.020+/-0.017 χ^2/NDF:49.6/38

Out: 0.005+/-0.017 χ^2/NDF:52.9/42

All: -0.007+/-0.012 χ^2/NDF: 103.6/81



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: 82.891+/-0.015 χ^2/NDF:1573003.1/22

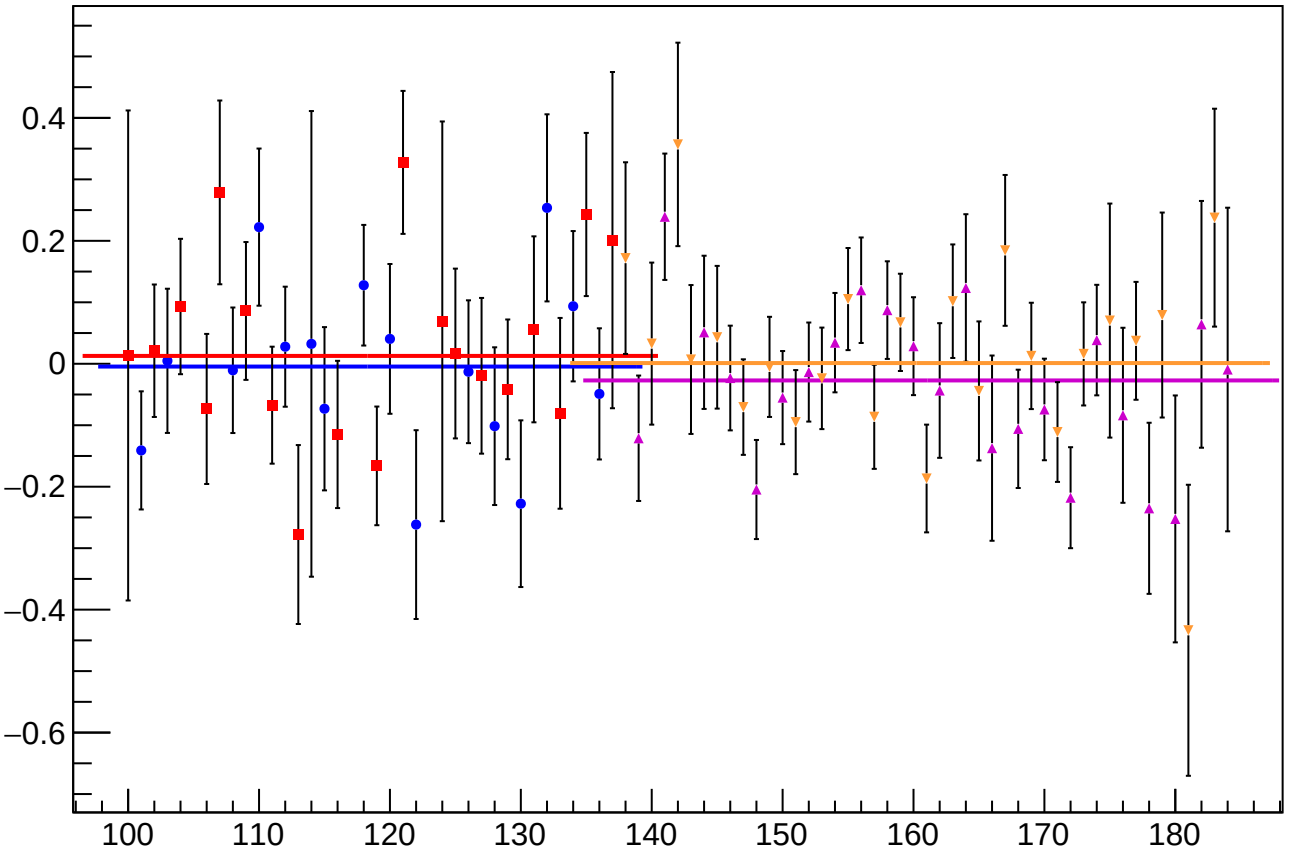
Left: 83.469+/-0.010 χ^2/NDF: 3704607.9/46

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

In: 81.096+/-0.012 χ^2/NDF:2040158.4/38

Out: 82.025+/-0.012 χ^2/NDF:2584751.8/42

All: 81.562+/-0.008 χ^2/NDF: 4627915.8/81



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:32.0/22

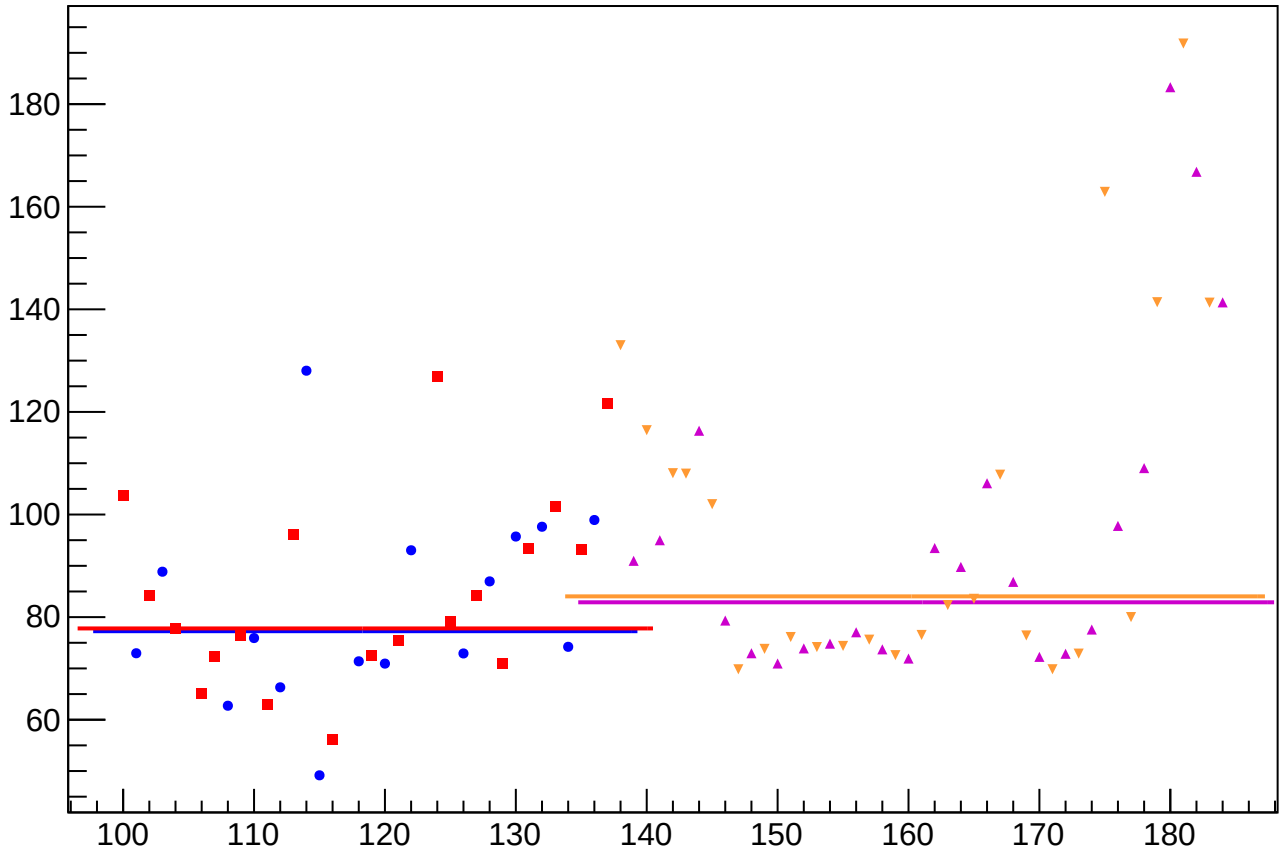
Left: -0.013+/-0.015 χ^2/NDF: 60.3/46

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.020+/-0.017 χ^2/NDF:49.6/38

Out: 0.005+/-0.017 χ^2/NDF:52.9/42

All: -0.007+/-0.012 χ^2/NDF: 103.6/81



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: 82.891+/-0.015 χ^2/NDF:1573003.1/22

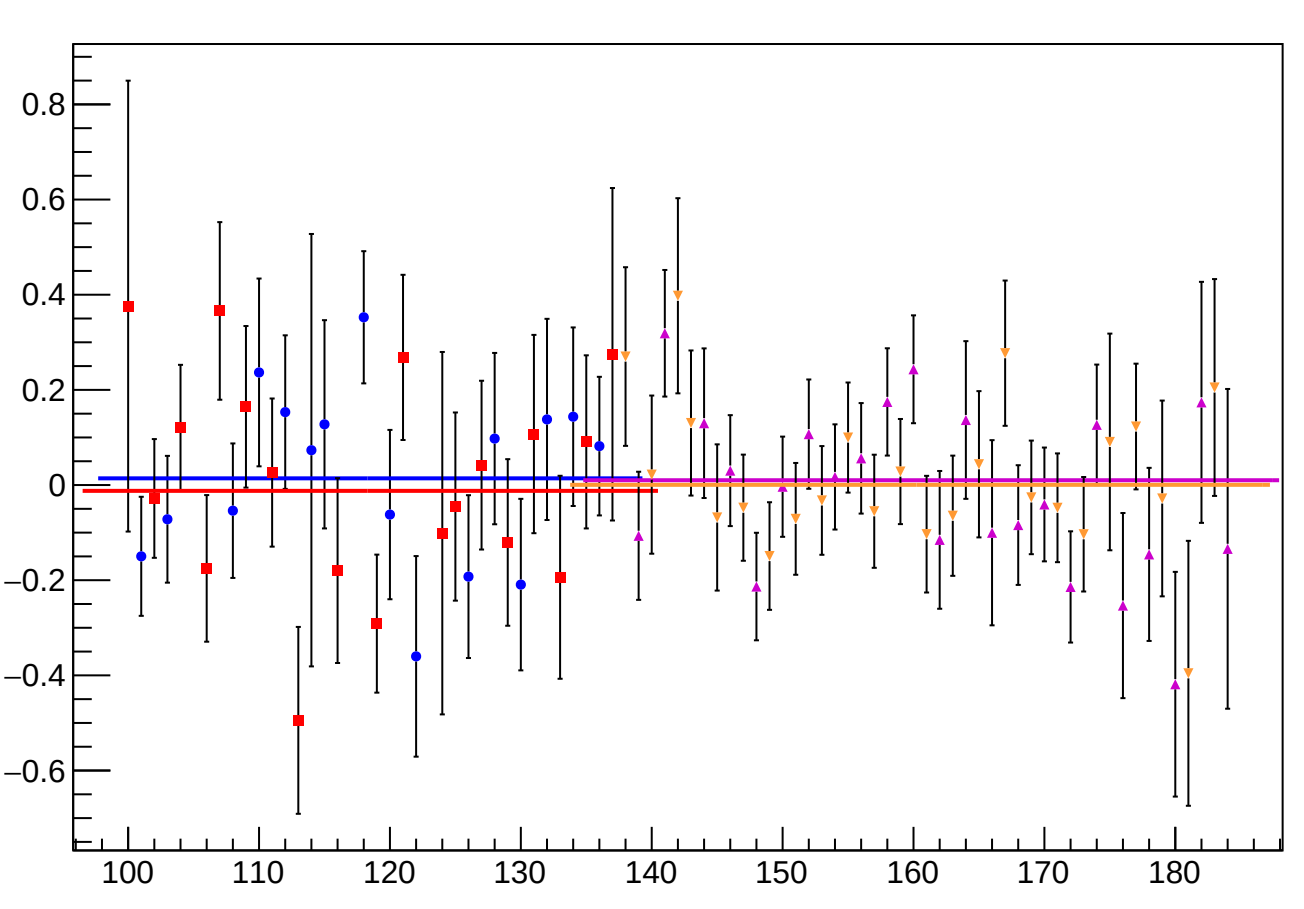
Left: 83.469+/-0.010 χ^2/NDF: 3704607.9/46

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

In: 81.096+/-0.012 χ^2/NDF:2040158.4/38

Out: 82.025+/-0.012 χ^2/NDF:2584751.8/42

All: 81.562+/-0.008 χ^2/NDF: 4627915.8/81



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: 0.010+/-0.028 χ^2/NDF:31.3/22

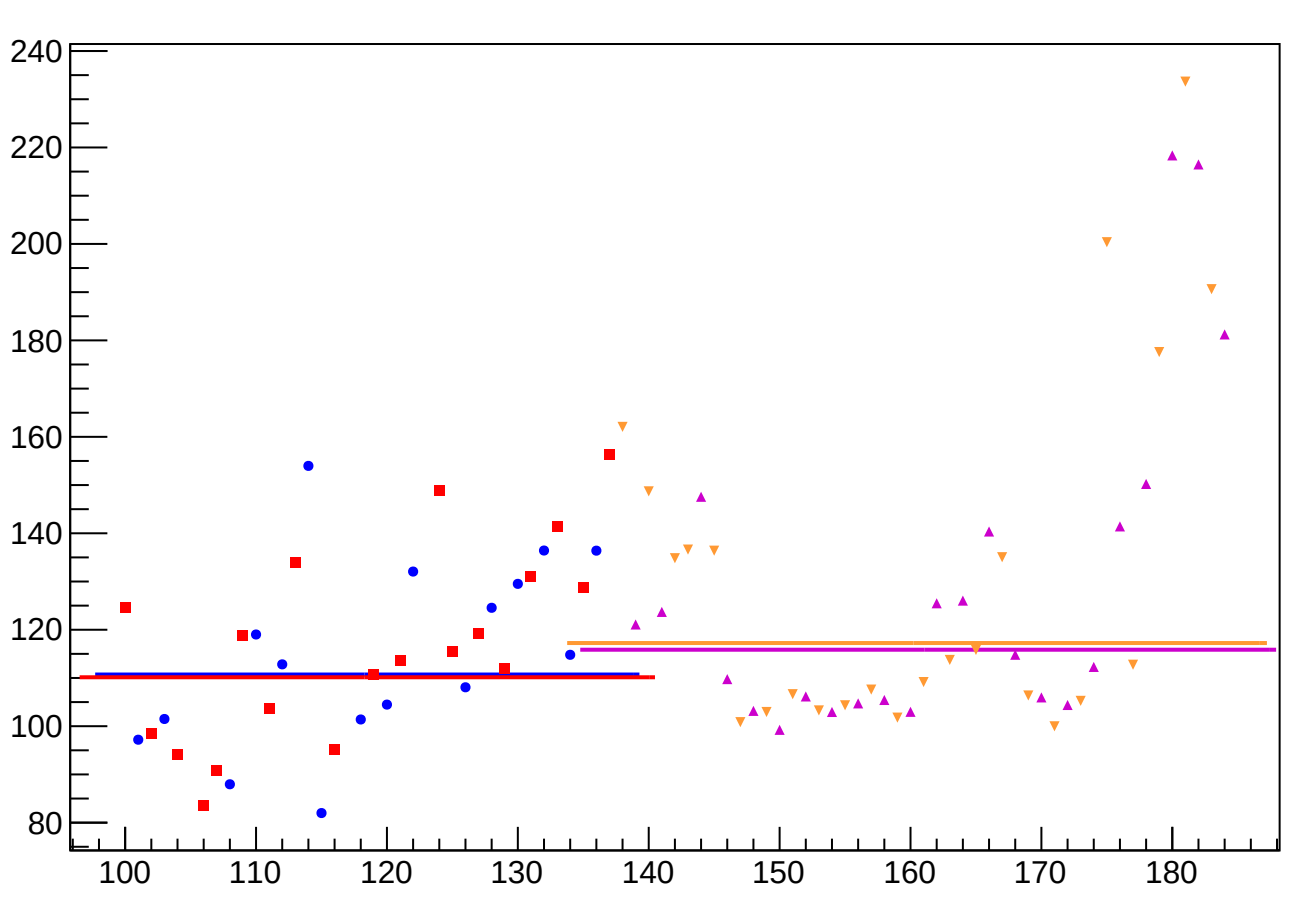
Left: 0.005+/-0.020 χ^2/NDF: 50.7/46

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.011+/-0.023 χ^2/NDF:49.5/38

Out: -0.004+/-0.023 χ^2/NDF:43.2/42

All: 0.004+/-0.016 χ^2/NDF: 92.9/81



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: 115.858+/-0.020 χ^2/NDF:1231382.1/22

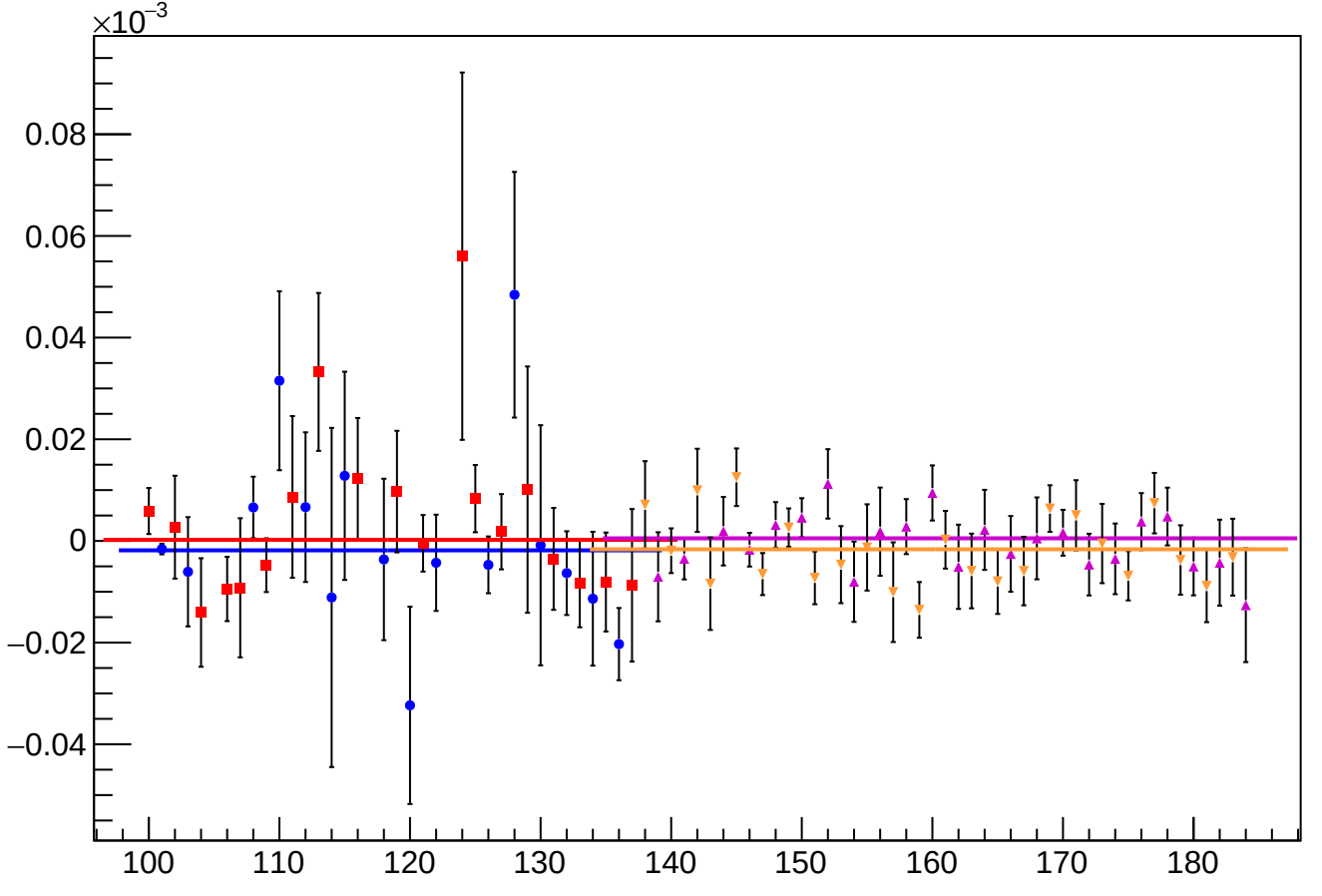
Left: 116.554+/-0.014 χ^2/NDF: 2813849.5/46

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

In: 114.276+/-0.017 χ^2/NDF:1551862.0/38

Out: 115.005+/-0.016 χ^2/NDF:1947200.9/42

All: 114.645+/-0.012 χ^2/NDF: 3500039.7/81



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:15.6/22

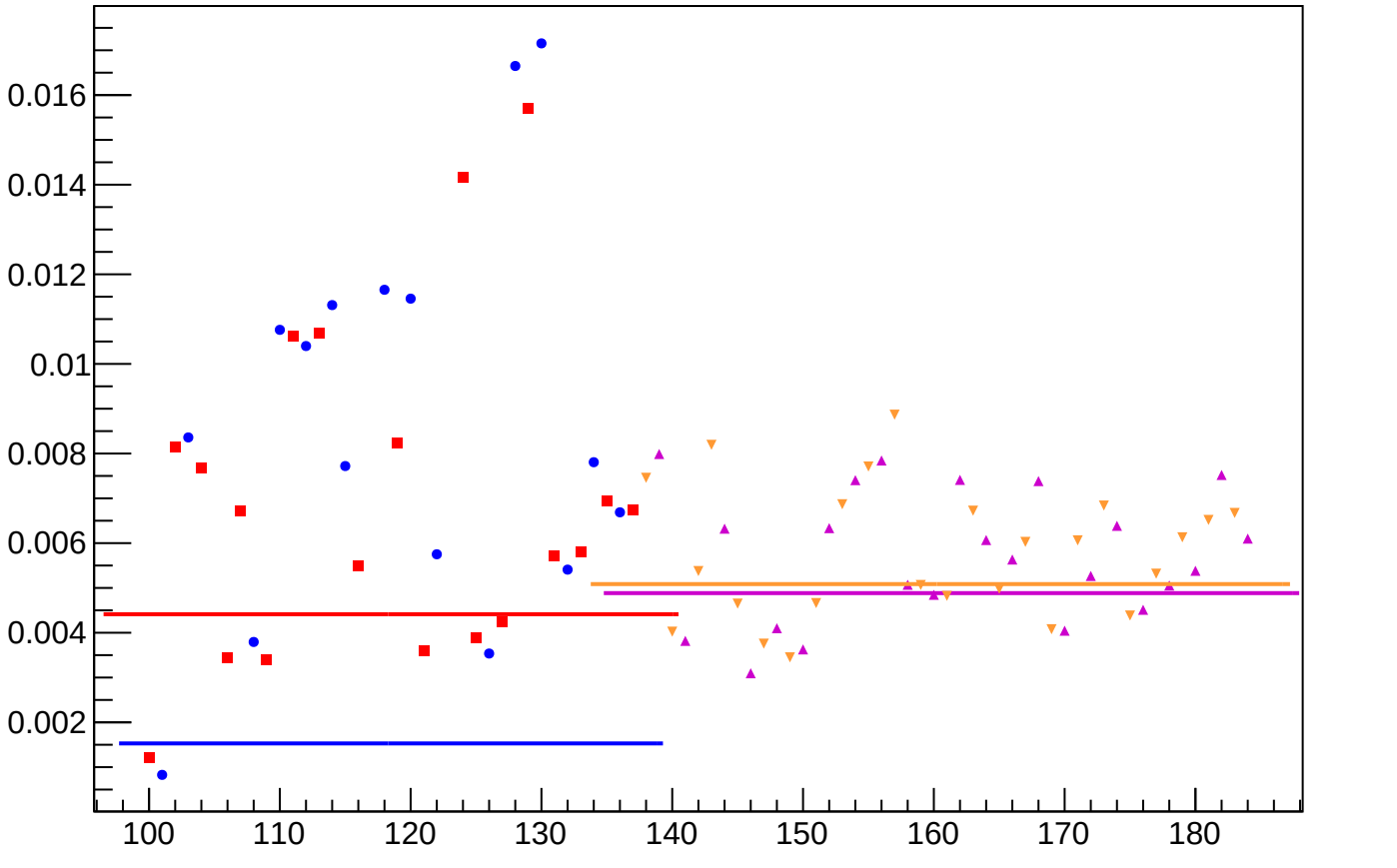
Left: -0.000+/-0.000 χ^2/NDF: 47.0/46

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

In: -0.000+/-0.000 χ^2/NDF:39.3/38

Out: -0.000+/-0.000 χ^2/NDF:50.4/42

All: -0.000+/-0.000 χ^2/NDF: 89.7/81



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:2725463.9/22

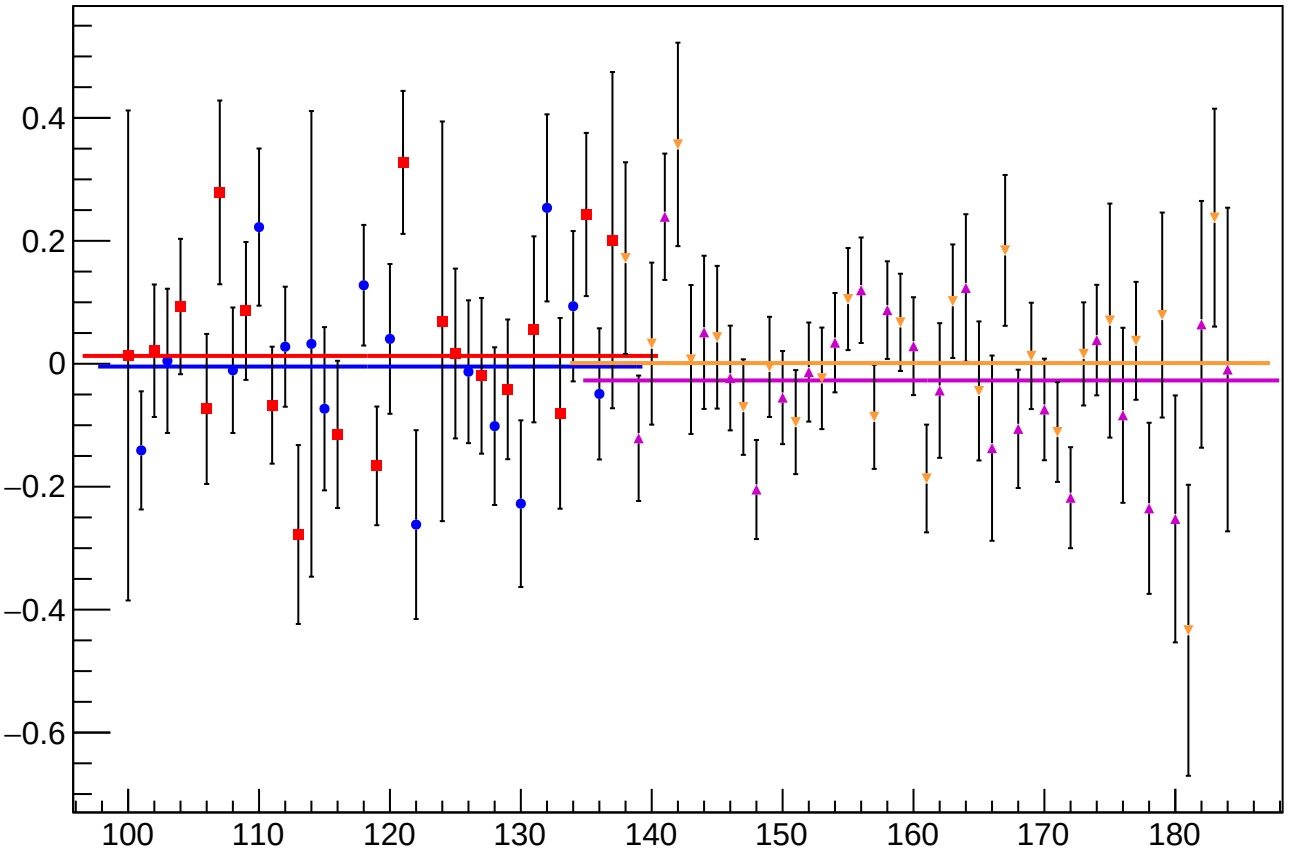
Left: 0.005+/-0.000 χ^2/NDF: 5106843.8/46

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

In: 0.003+/-0.000 χ^2/NDF:21428064.1/38

Out: 0.005+/-0.000 χ^2/NDF:5915825.4/42

All: 0.004+/-0.000 χ^2/NDF: 32394121.9/81



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:32.0/22

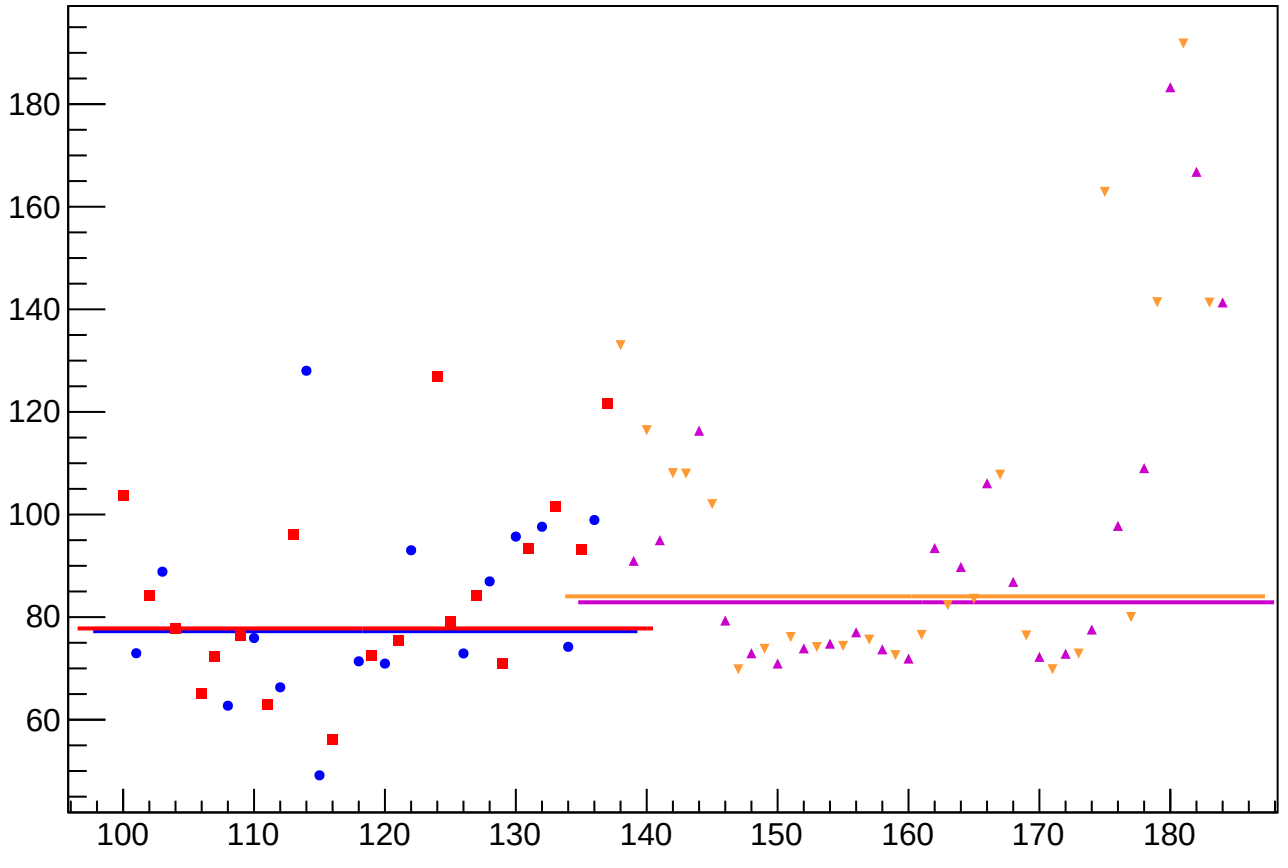
Left: -0.013+/-0.015 χ^2/NDF: 60.3/46

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.020+/-0.017 χ^2/NDF:49.6/38

Out: 0.005+/-0.017 χ^2/NDF:52.9/42

All: -0.007+/-0.012 χ^2/NDF: 103.6/81



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: 82.891+/-0.015 χ^2/NDF:1572981.0/22

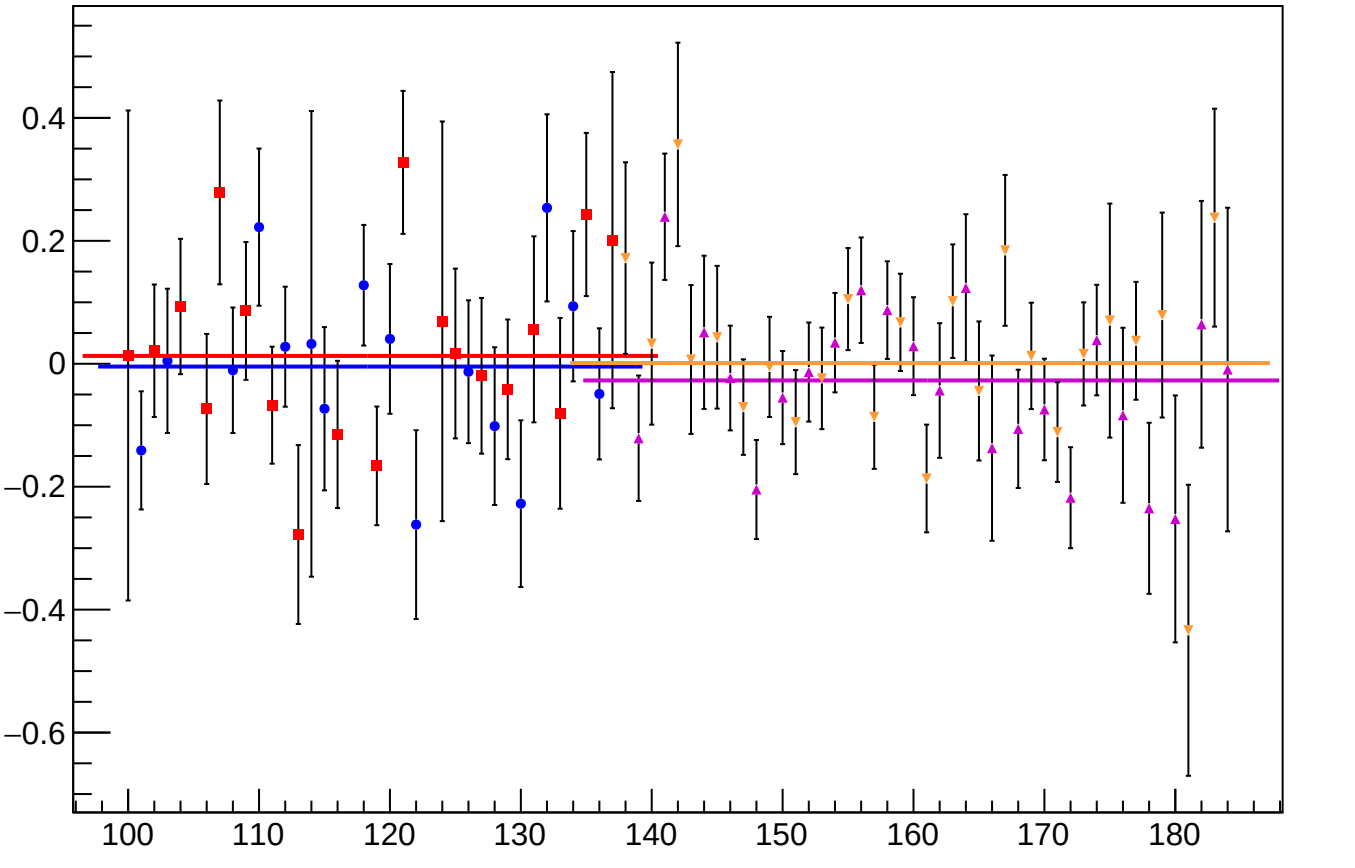
Left: 83.469+/-0.010 χ^2/NDF: 3704582.4/46

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

In: 81.096+/-0.012 χ^2/NDF:2040159.1/38

Out: 82.025+/-0.012 χ^2/NDF:2584788.6/42

All: 81.562+/-0.008 χ^2/NDF: 4627953.8/81



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:32.0/22

Left: -0.013+/-0.015 χ^2/NDF: 60.3/46

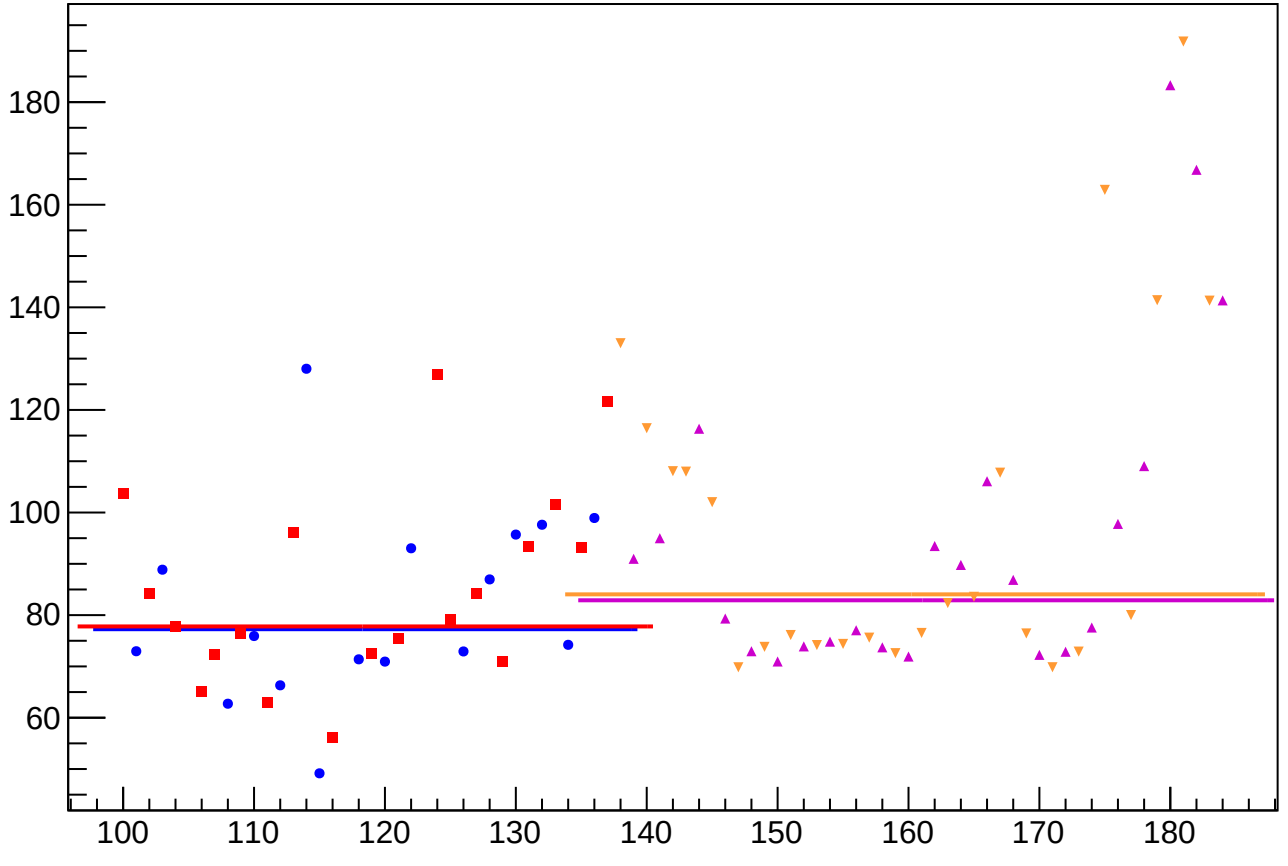
Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.020+/-0.017 χ^2/NDF:49.6/38

Out: 0.005+/-0.017 χ^2/NDF:52.9/42

All: -0.007+/-0.012 χ^2/NDF: 103.6/81

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 82.891+/-0.015 χ^2/NDF:1572981.0/22

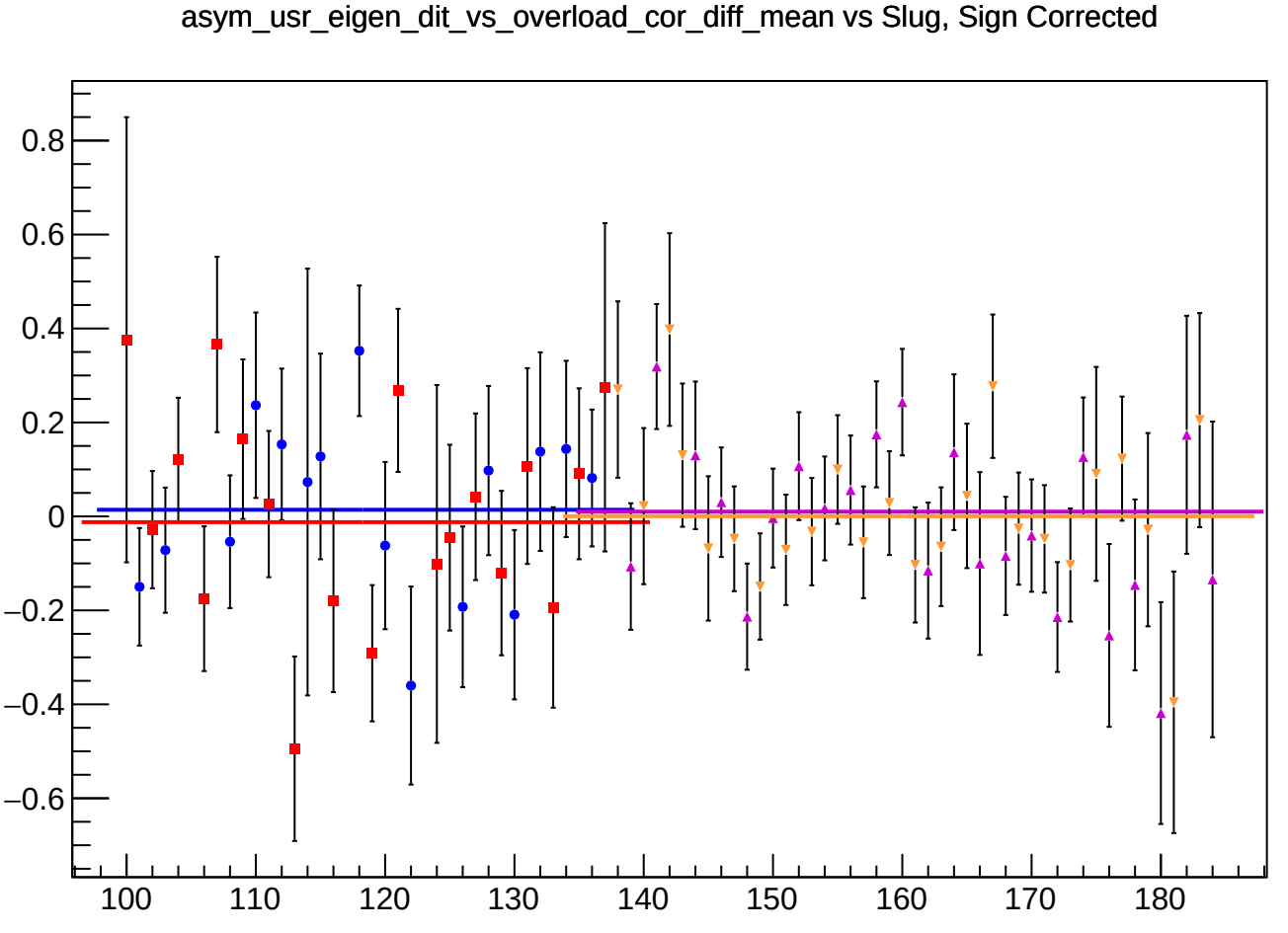
Left: 83.469+/-0.010 χ^2/NDF: 3704582.4/46

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

In: 81.096+/-0.012 χ^2/NDF:2040159.1/38

Out: 82.025+/-0.012 χ^2/NDF:2584788.6/42

All: 81.562+/-0.008 χ^2/NDF: 4627953.8/81



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: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.005+/-0.020 χ^2/NDF: 50.7/46

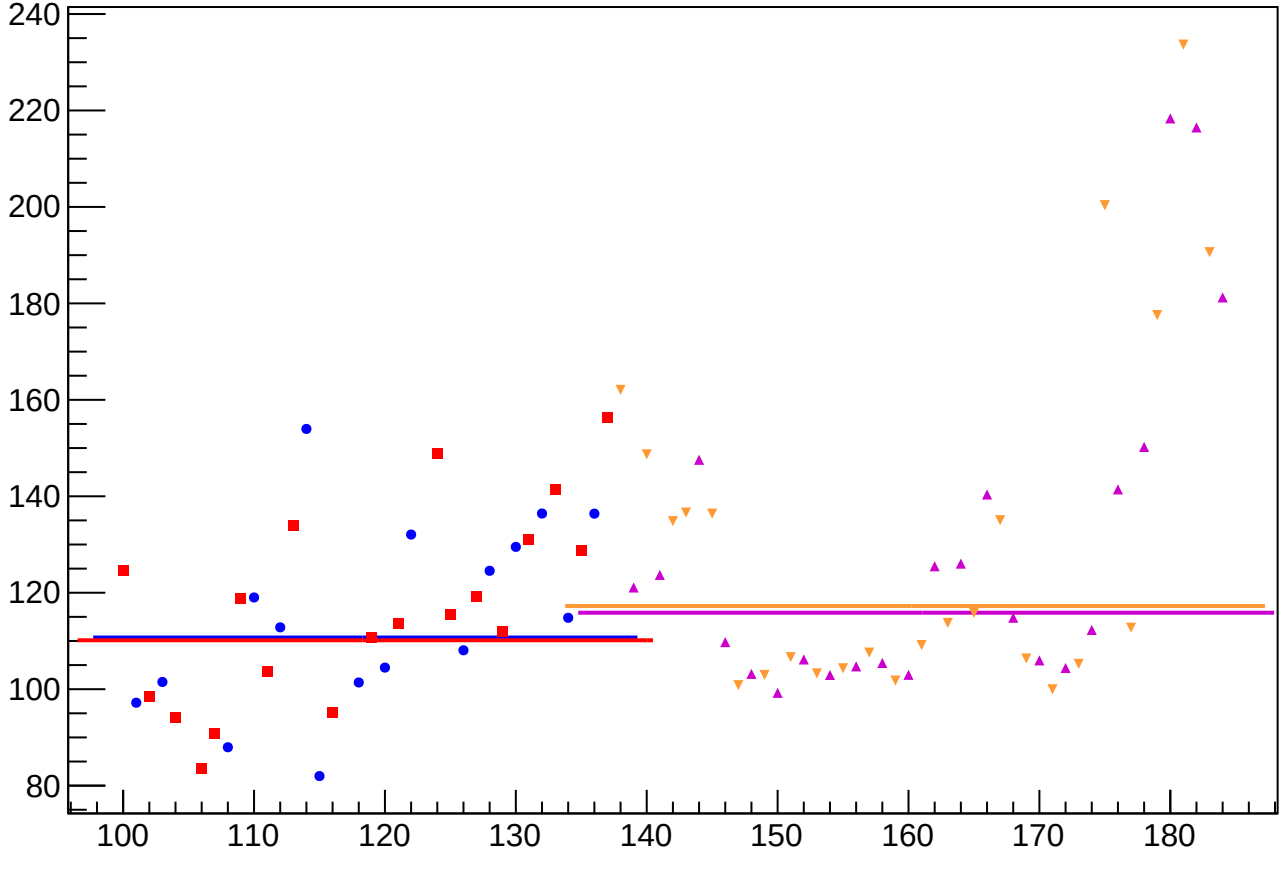
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.011+/-0.023 χ^2/NDF:49.5/38

Out: -0.004+/-0.023 χ^2/NDF:43.2/42

All: 0.004+/-0.016 χ^2/NDF: 92.9/81

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: 115.858+/-0.020 χ^2/NDF:1231371.8/22

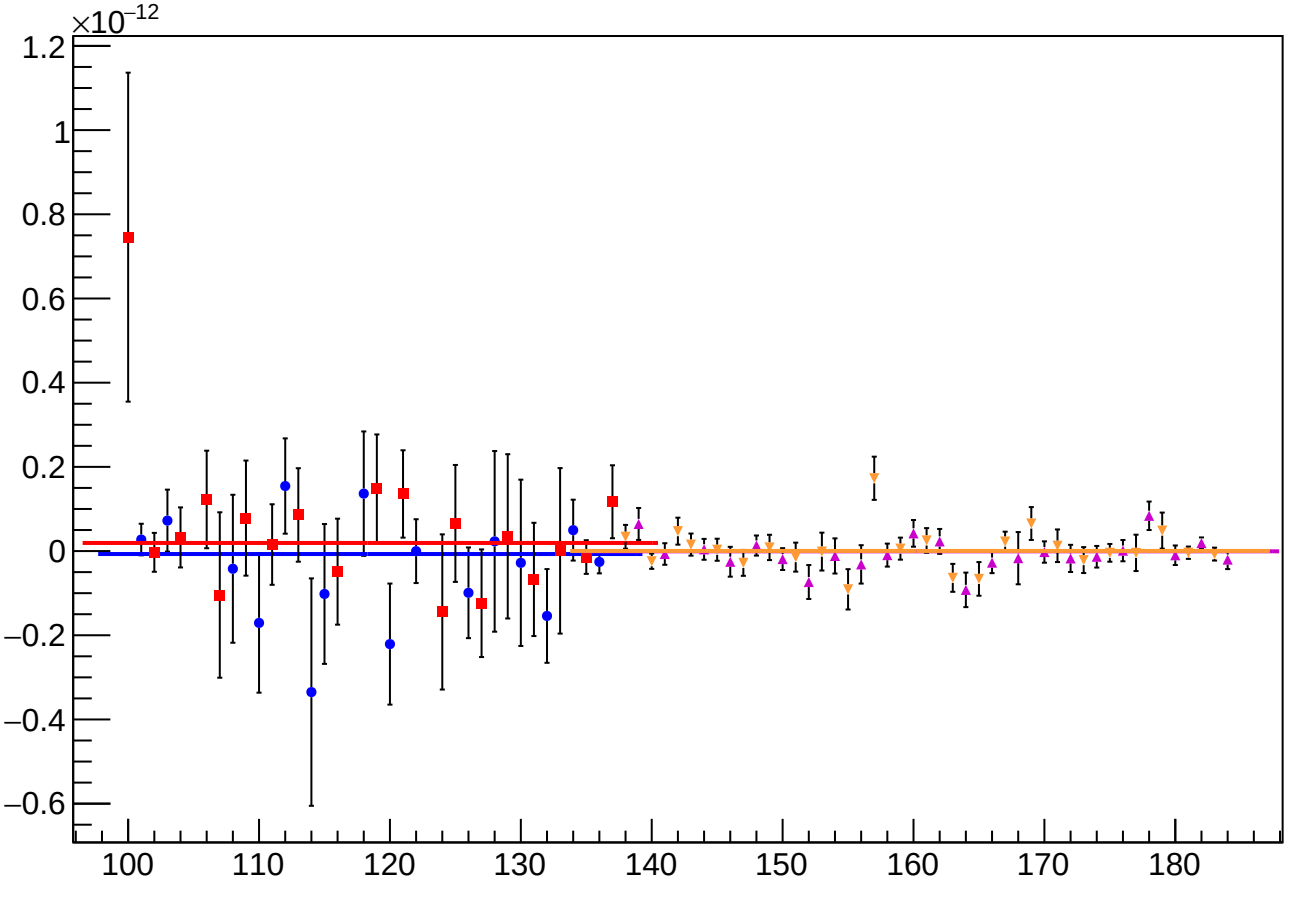
Left: 116.555+/-0.014 χ^2/NDF: 2813833.9/46

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

In: 114.276+/-0.017 χ^2/NDF:1551837.4/38

Out: 115.005+/-0.016 χ^2/NDF:1947180.2/42

All: 114.644+/-0.012 χ^2/NDF: 3499994.7/81



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:26.7/22

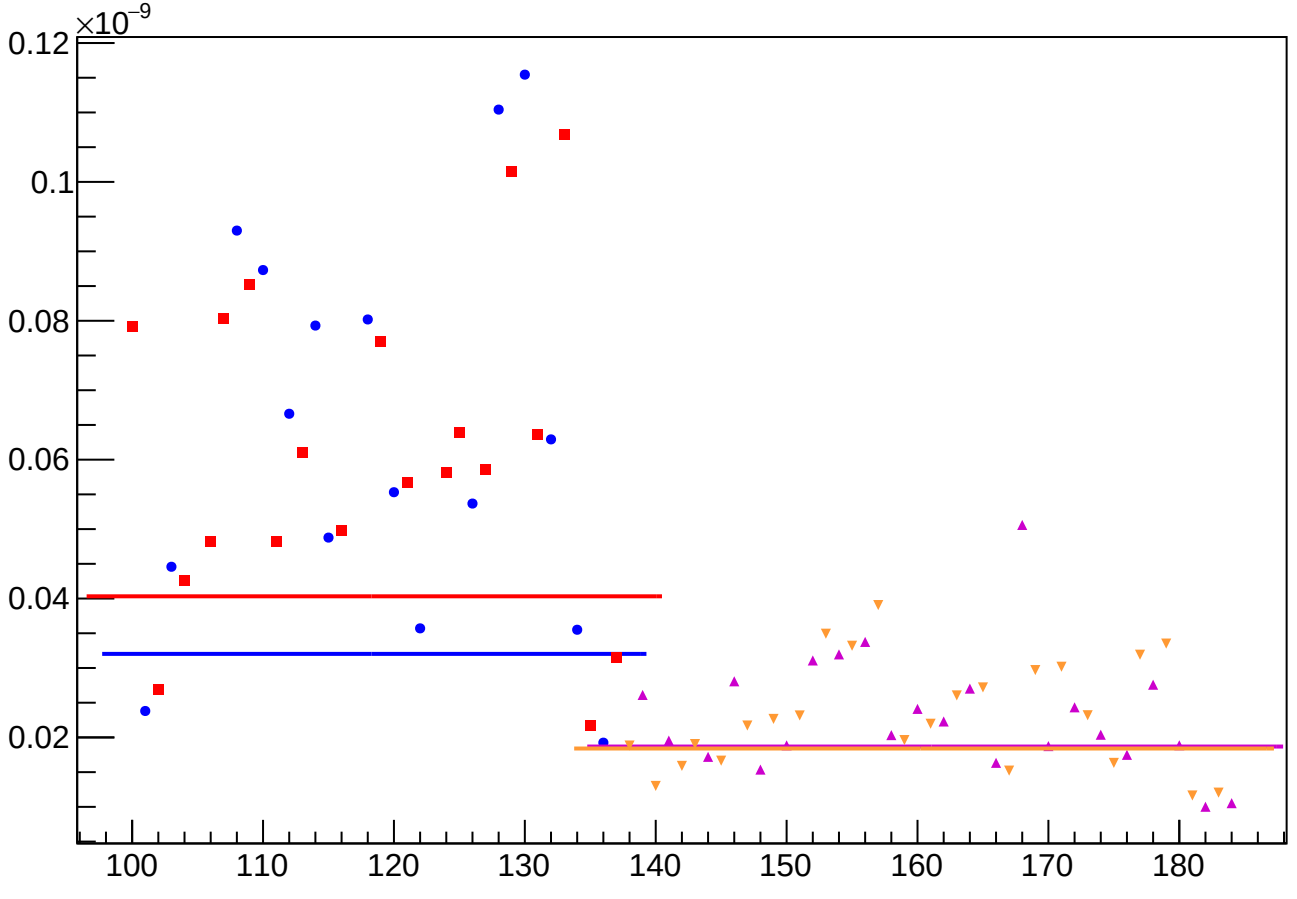
Left: -0.000+/-0.000 χ^2/NDF: 61.7/46

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:40.5/38

Out: 0.000+/-0.000 χ^2/NDF:48.3/42

All: 0.000+/-0.000 χ^2/NDF: 88.9/81



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:2908977.5/22

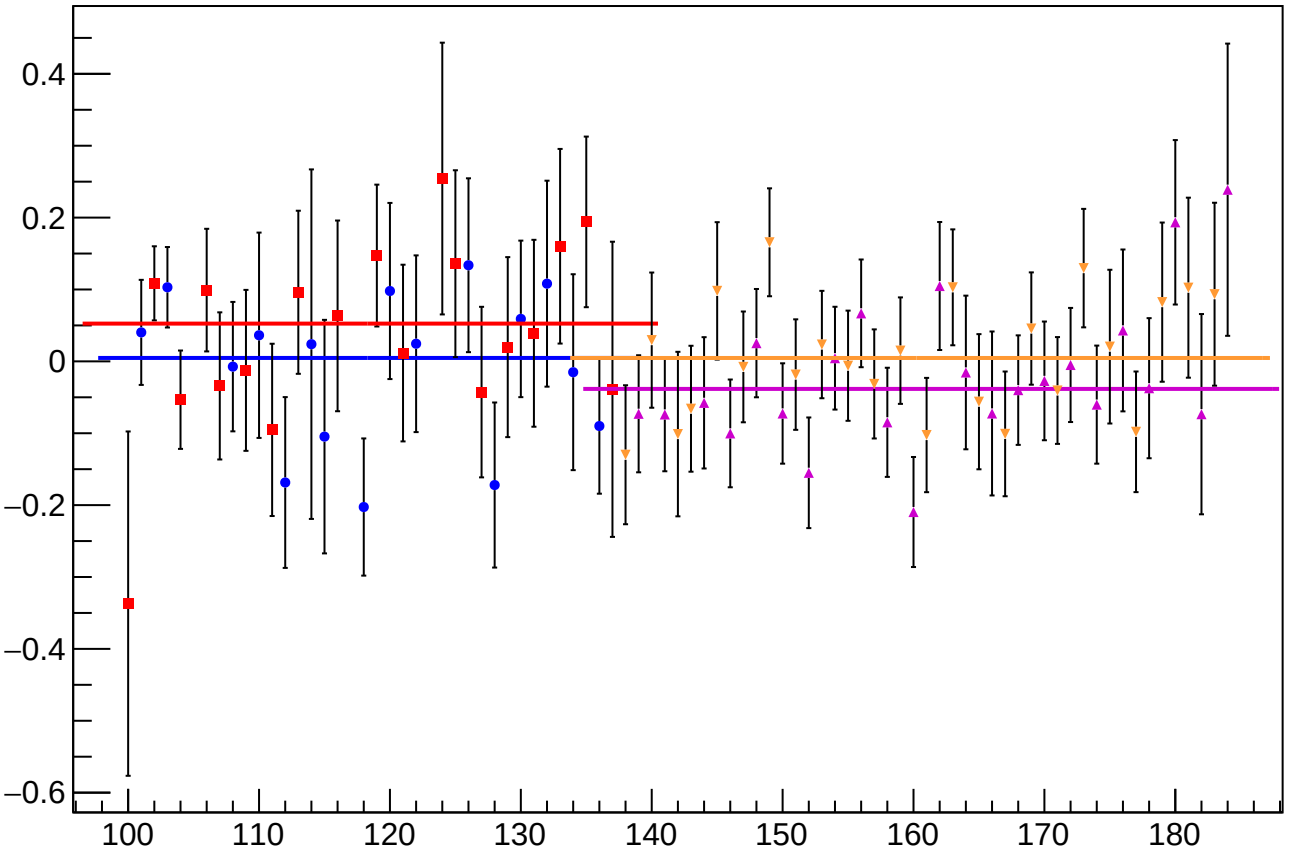
Left: 0.000+/-0.000 χ^2/NDF: 5906774.6/46

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

In: 0.000+/-0.000 χ^2/NDF:6377258.0/38

Out: 0.000+/-0.000 χ^2/NDF:6879180.8/42

All: 0.000+/-0.000 χ^2/NDF: 13256776.7/81



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: -0.038+/-0.018 χ^2/NDF:21.6/22

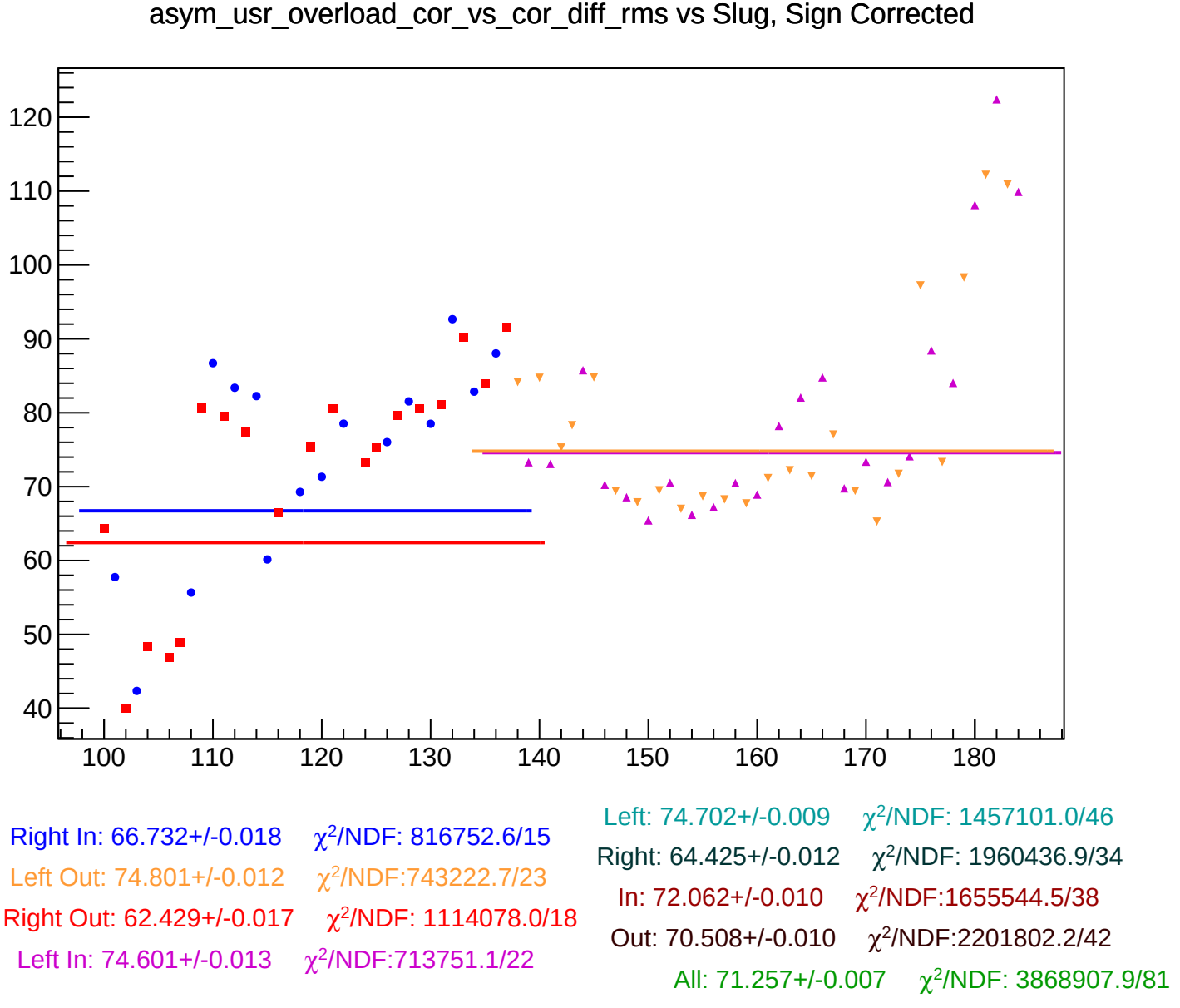
Left: -0.016+/-0.013 χ^2/NDF: 45.3/46

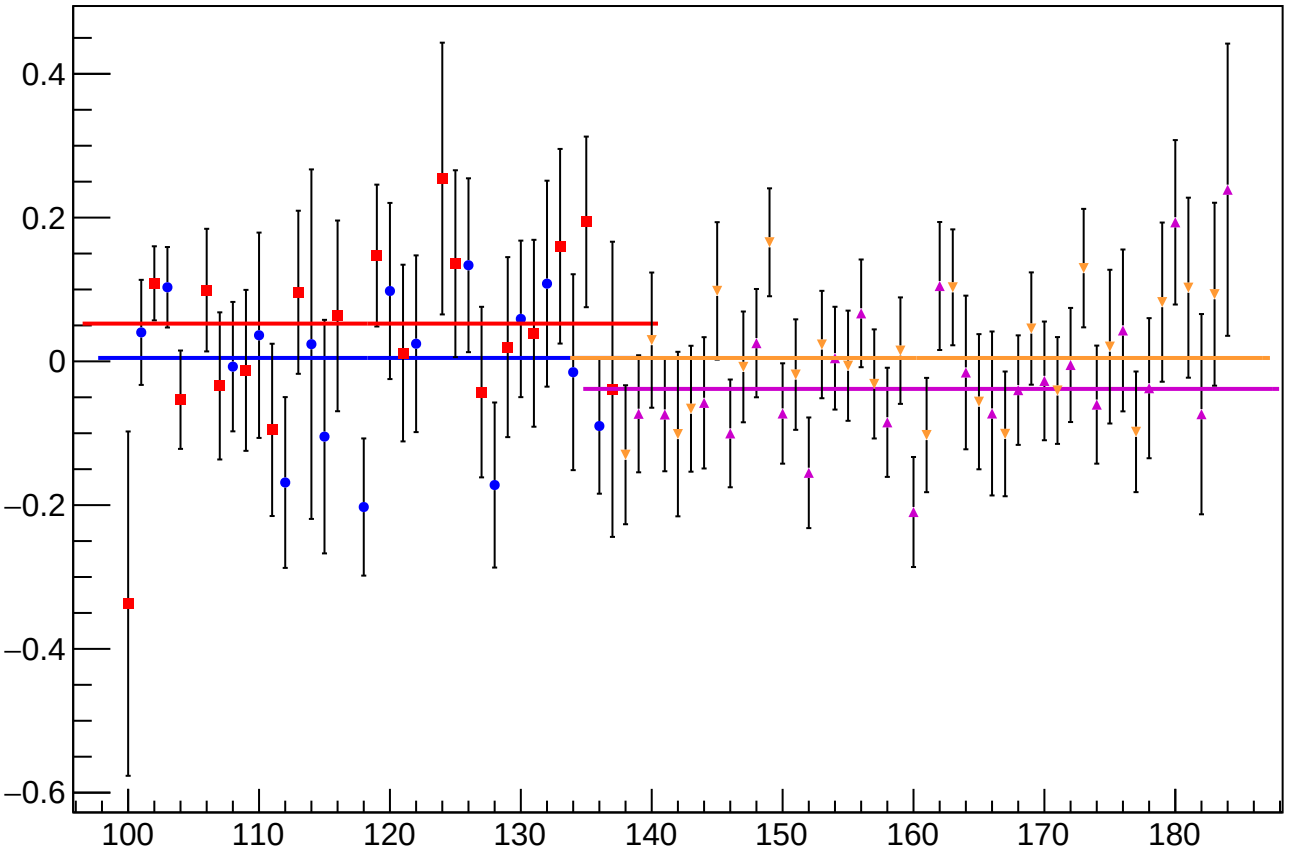
Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.024+/-0.015 χ^2/NDF:40.1/38

Out: 0.021+/-0.014 χ^2/NDF:38.2/42

All: -0.001+/-0.010 χ^2/NDF: 83.2/81


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: 74.601+/-0.013 χ²/NDF:713751.1/22
Left: 74.702+/-0.009 χ²/NDF: 1457101.0/46
Right: 64.425+/-0.012 χ²/NDF: 1960436.9/34
In: 72.062+/-0.010 χ²/NDF:1655544.5/38
Out: 70.508+/-0.010 χ²/NDF:2201802.2/42
All: 71.257+/-0.007 χ²/NDF: 3868907.9/81



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: -0.038+/-0.018 χ^2/NDF:21.6/22

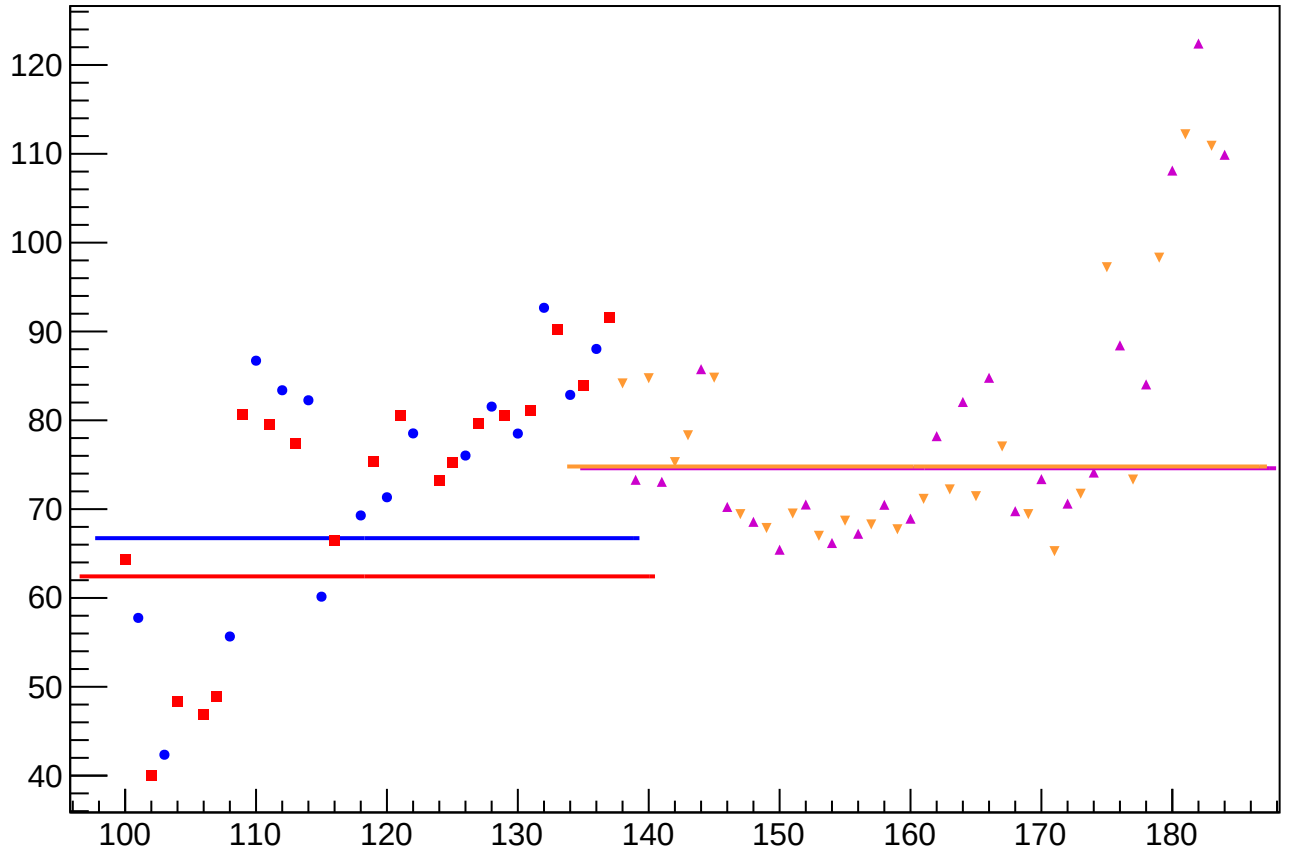
Left: -0.016+/-0.013 χ^2/NDF: 45.3/46

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.024+/-0.015 χ^2/NDF:40.1/38

Out: 0.021+/-0.014 χ^2/NDF:38.2/42

All: -0.001+/-0.010 χ^2/NDF: 83.2/81



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: 74.601+/-0.013 χ^2/NDF:713751.1/22

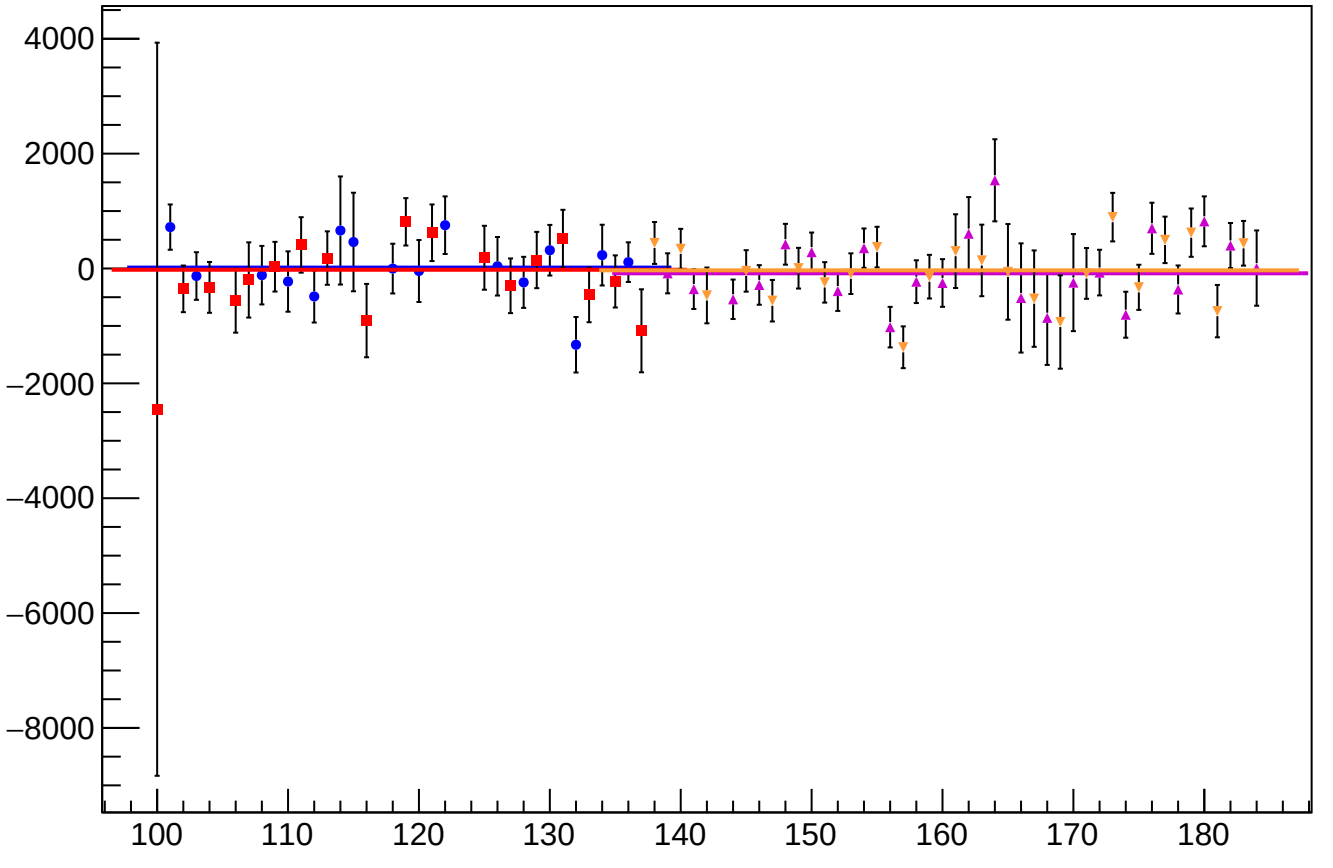
Left: 74.702+/-0.009 χ^2/NDF: 1457101.0/46

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

In: 72.062+/-0.010 χ^2/NDF:1655544.5/38

Out: 70.508+/-0.010 χ^2/NDF:2201802.2/42

All: 71.257+/-0.007 χ^2/NDF: 3868907.9/81



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: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -58.131+/-61.403 χ^2/NDF: 72.5/45

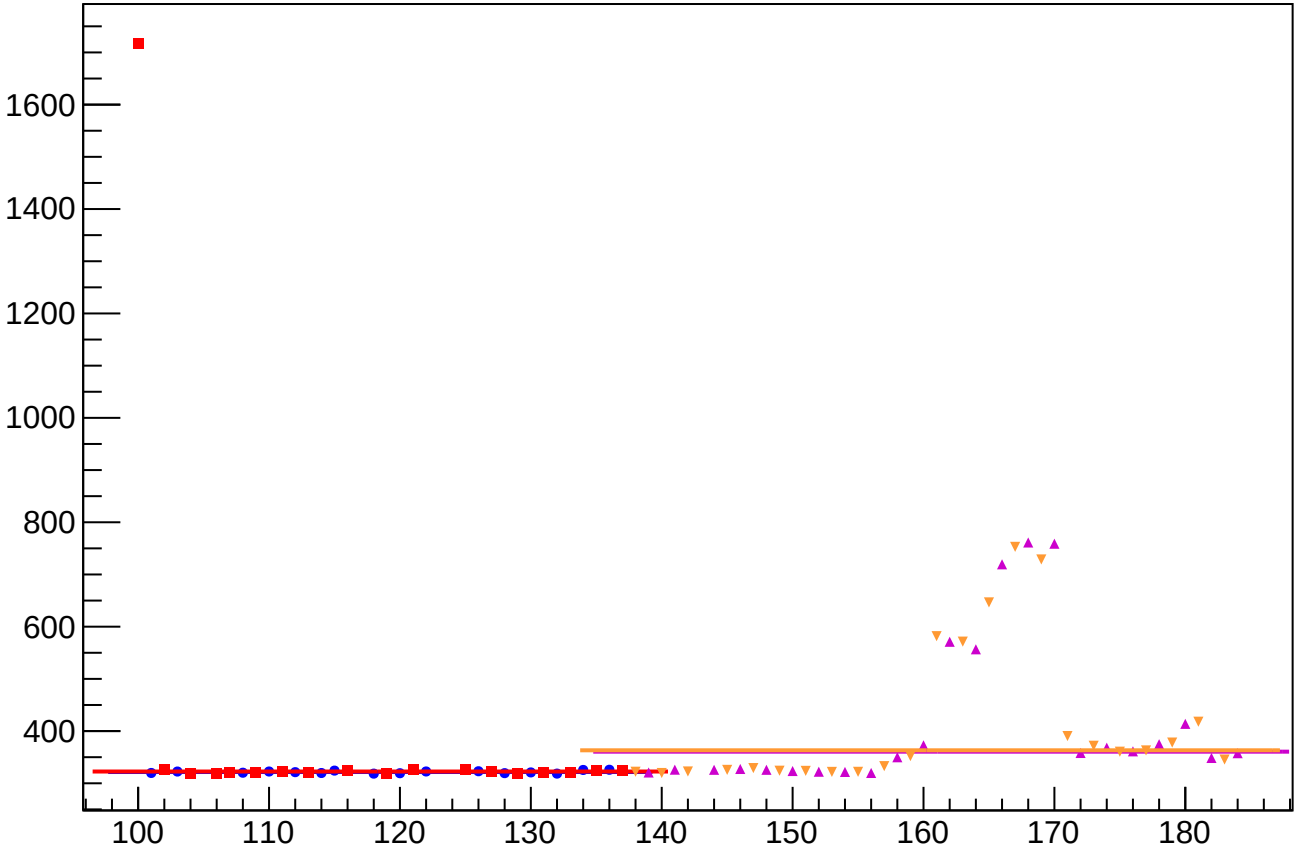
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -49.587+/-70.043 χ^2/NDF:52.8/38

Out: -28.638+/-70.382 χ^2/NDF:52.5/40

All: -39.163+/-49.647 χ^2/NDF: 105.3/79

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: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.878+/-0.043 χ^2/NDF: 3613940.6/45

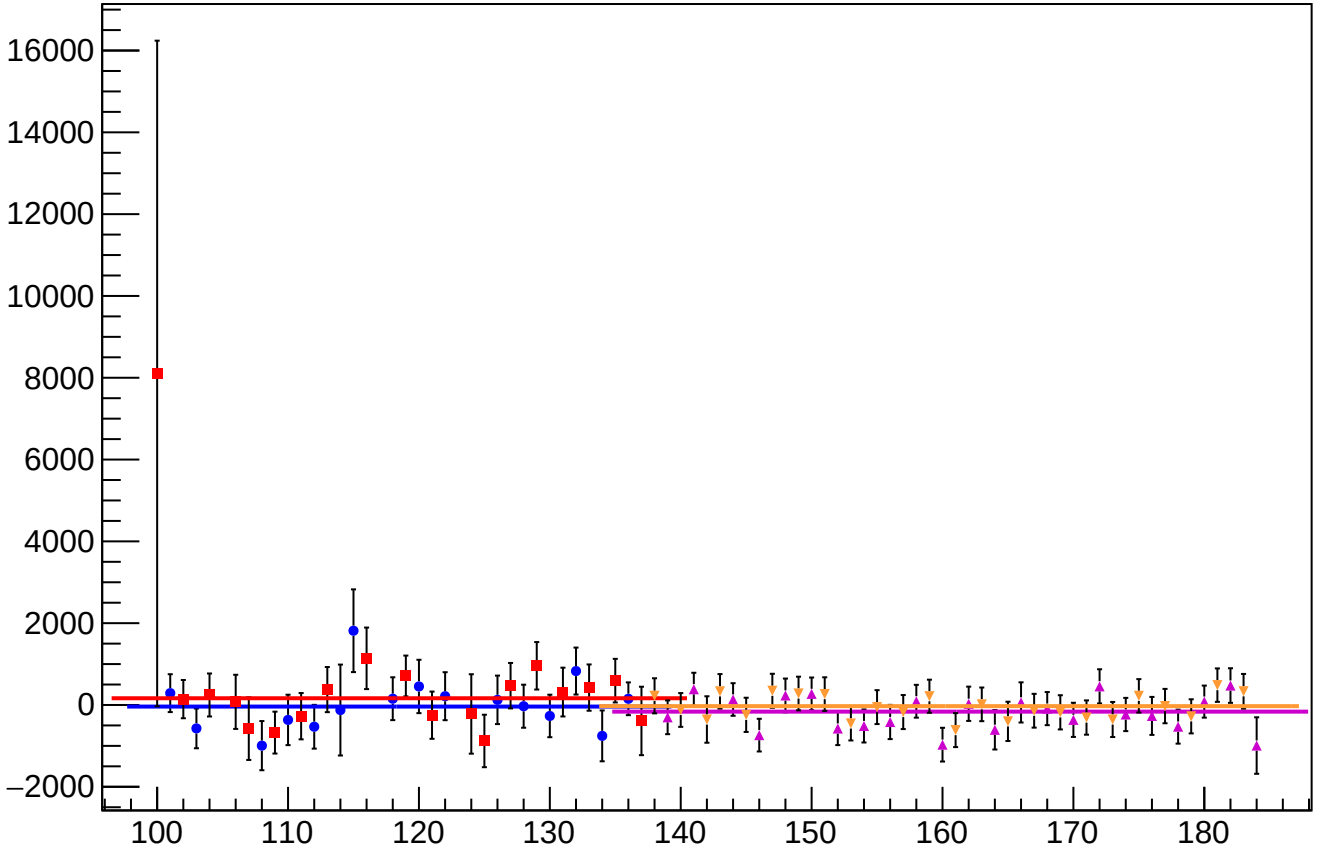
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 347.178+/-0.050 χ^2/NDF:1958294.9/38

Out: 349.027+/-0.050 χ^2/NDF:2043657.1/40

All: 348.098+/-0.035 χ^2/NDF: 4002645.9/79

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: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -94.413+/-61.574 χ^2/NDF: 35.0/46

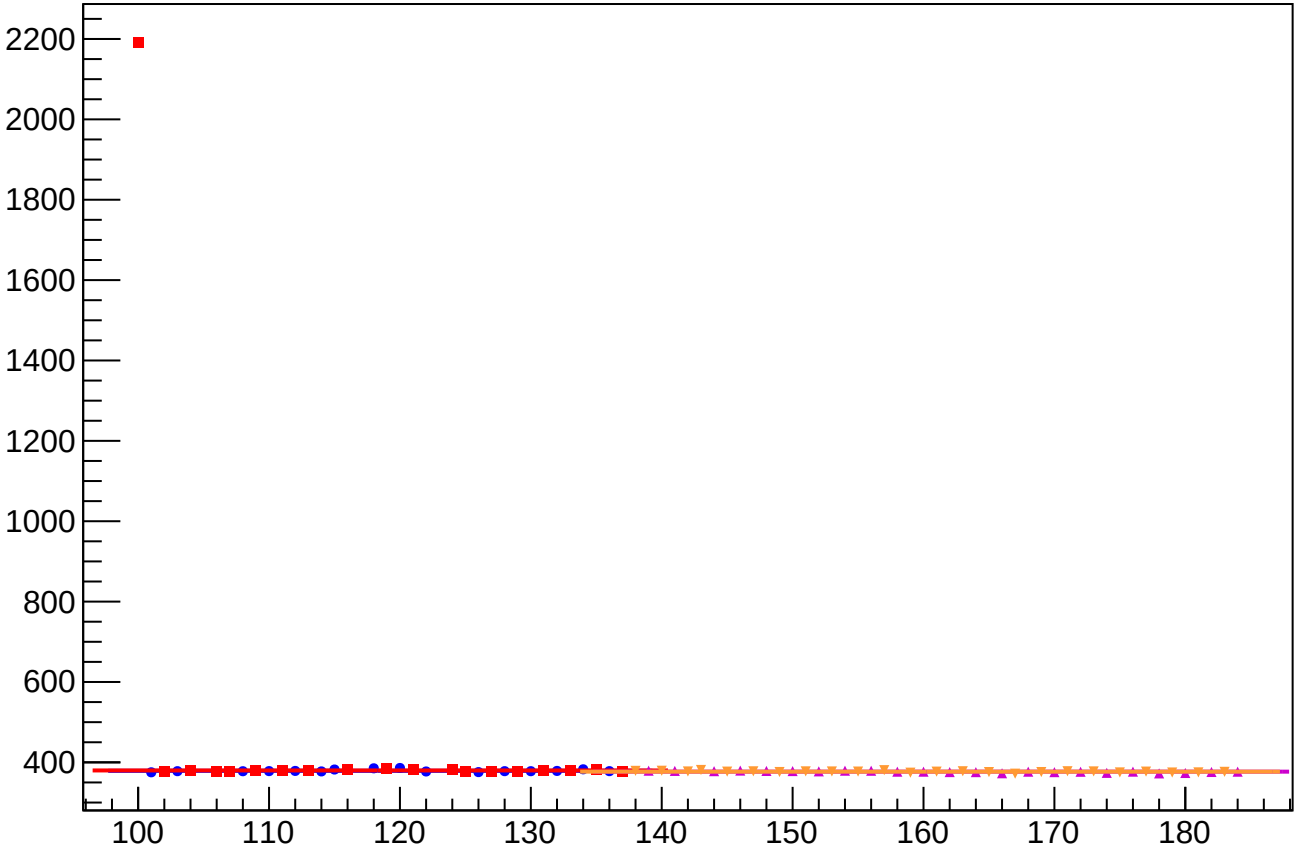
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -128.115+/-74.607 χ^2/NDF:36.1/38

Out: 25.082+/-73.247 χ^2/NDF:28.5/42

All: -50.108+/-52.268 χ^2/NDF: 66.7/81

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+/-0.062 χ^2/NDF:1074.1/22

Left: 376.865+/-0.044 χ^2/NDF: 2121.4/46

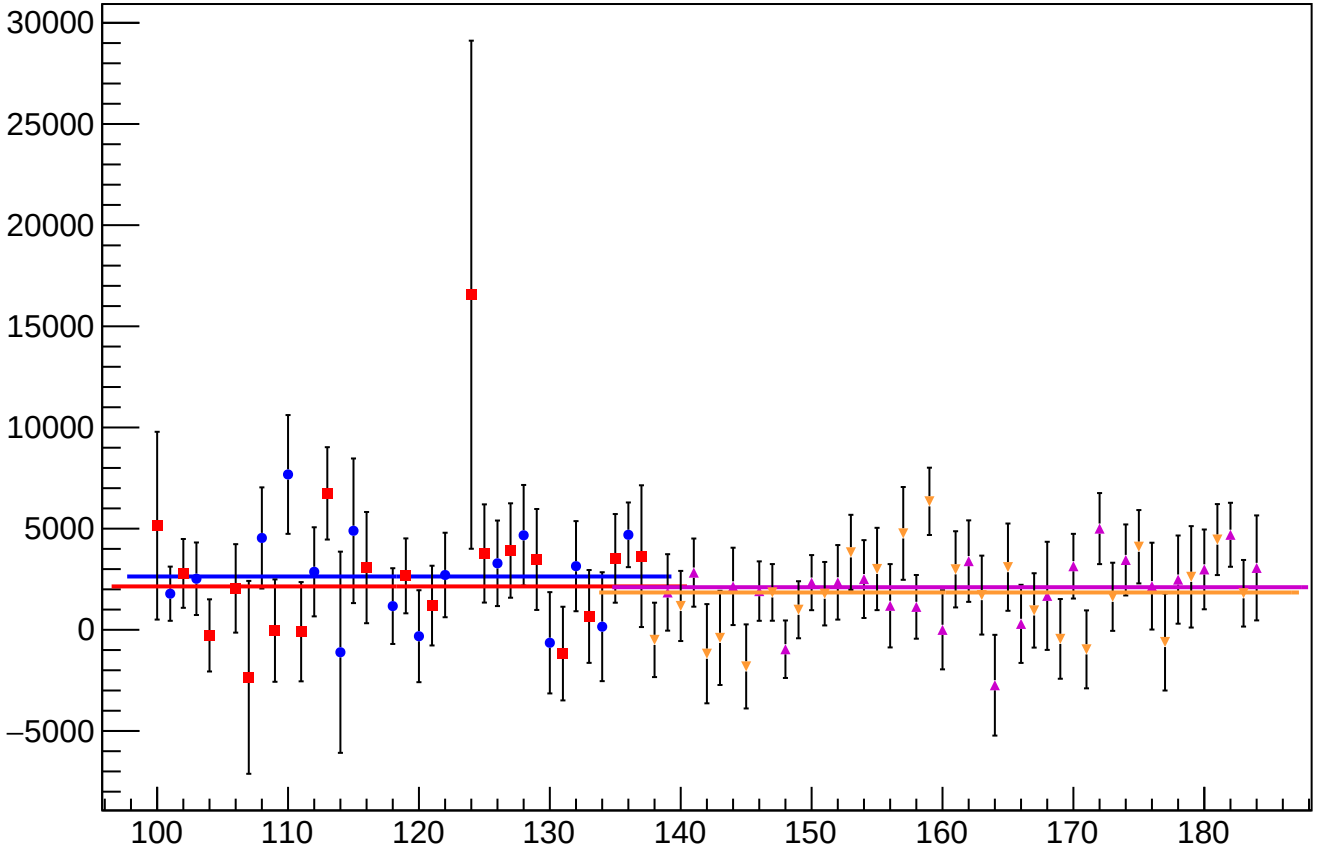
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 377.426+/-0.053 χ^2/NDF:2234.6/38

Out: 377.715+/-0.052 χ^2/NDF:101339.7/42

All: 377.573+/-0.037 χ^2/NDF: 103589.6/81

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: 2105.415+/-379.051 χ^2/NDF:18.6/22

Left: 1975.089+/-267.820 χ^2/NDF: 46.3/46

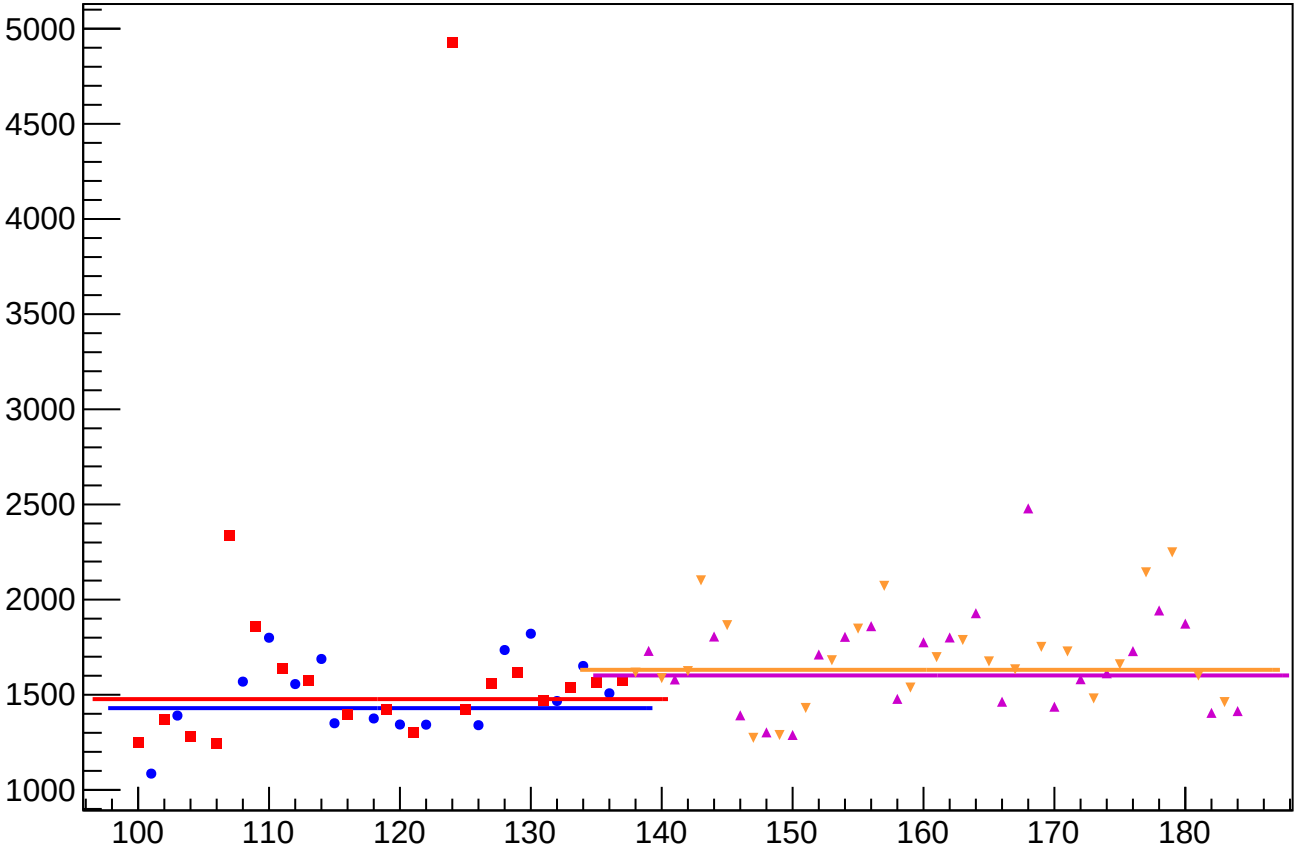
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2281.210+/-309.872 χ^2/NDF:31.5/38

Out: 1942.103+/-311.222 χ^2/NDF:42.7/42

All: 2112.393+/-219.588 χ^2/NDF: 74.8/81

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: 1601.496+/-0.268 χ^2/NDF:793722.6/22

Left: 1616.282+/-0.189 χ^2/NDF: 1573481.1/46

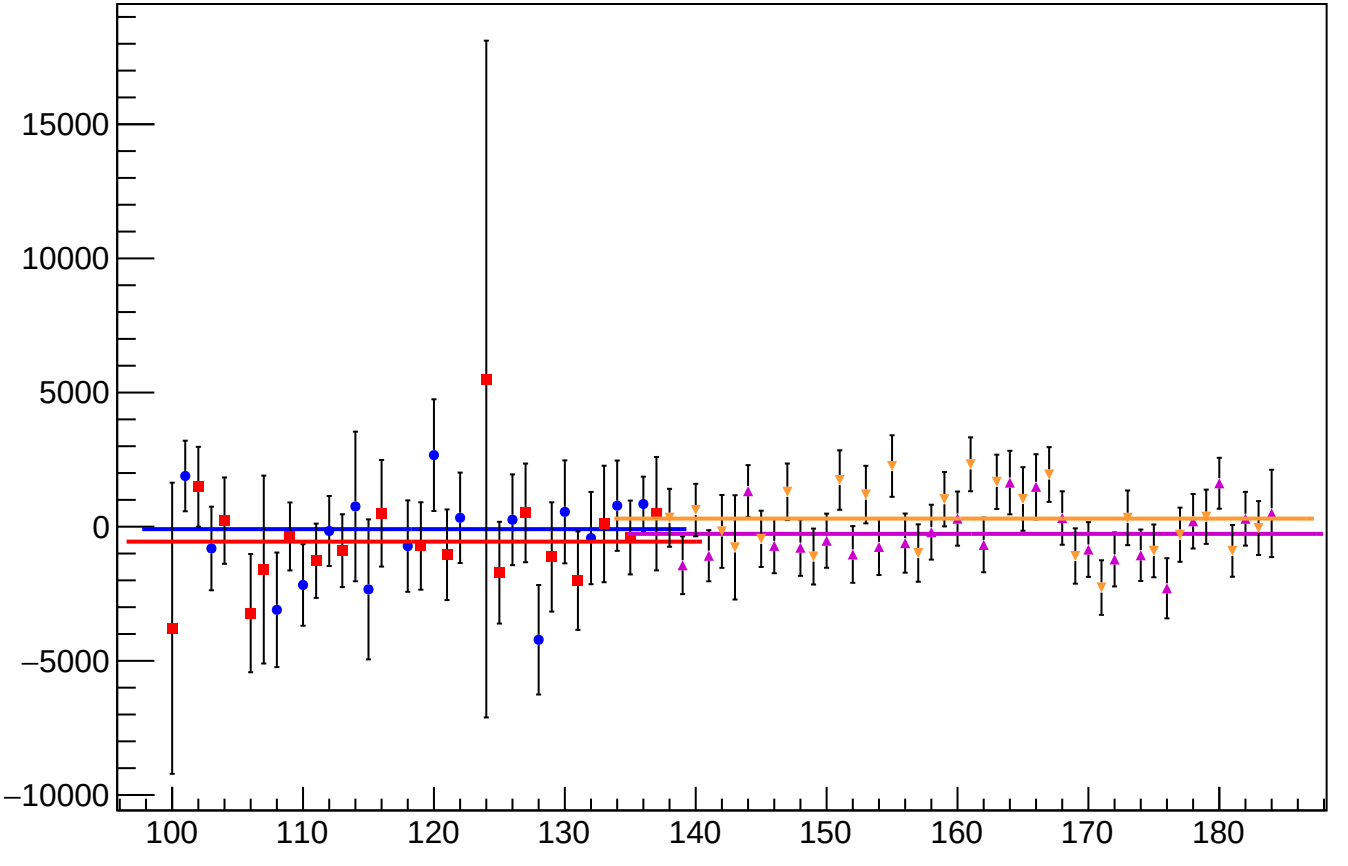
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1544.496+/-0.219 χ^2/NDF:1223457.0/38

Out: 1581.196+/-0.220 χ^2/NDF:1250182.5/42

All: 1562.766+/-0.155 χ^2/NDF: 2487605.8/81

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: -267.059+/-217.685 χ^2/NDF:21.4/22

Left: 19.087+/-153.546 χ^2/NDF: 56.5/46

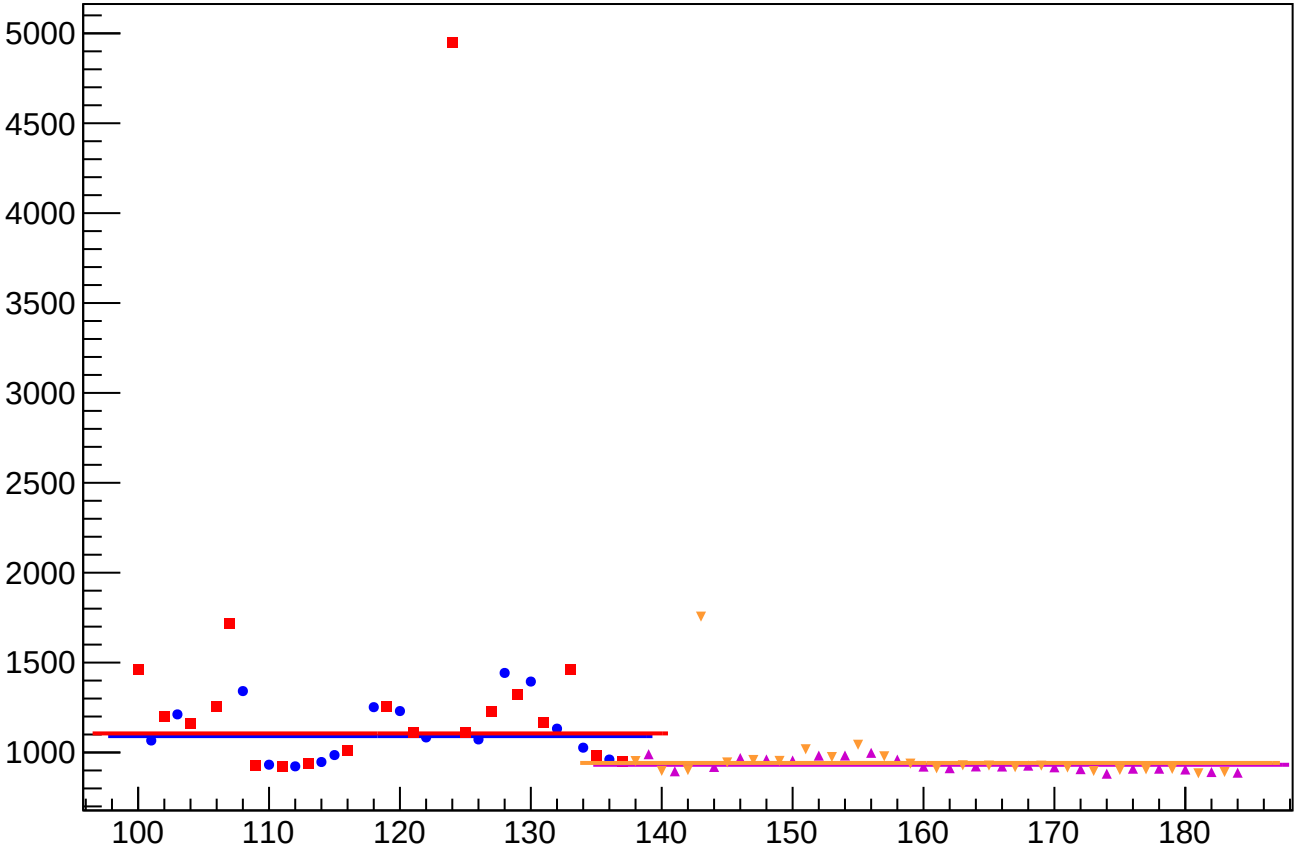
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -228.404+/-192.261 χ^2/NDF:36.0/38

Out: 115.875+/-191.662 χ^2/NDF:41.8/42

All: -55.727+/-135.737 χ^2/NDF: 79.5/81

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: 931.562+/-0.154 χ^2/NDF:48916.1/22

Left: 936.716+/-0.109 χ^2/NDF: 467030.9/46

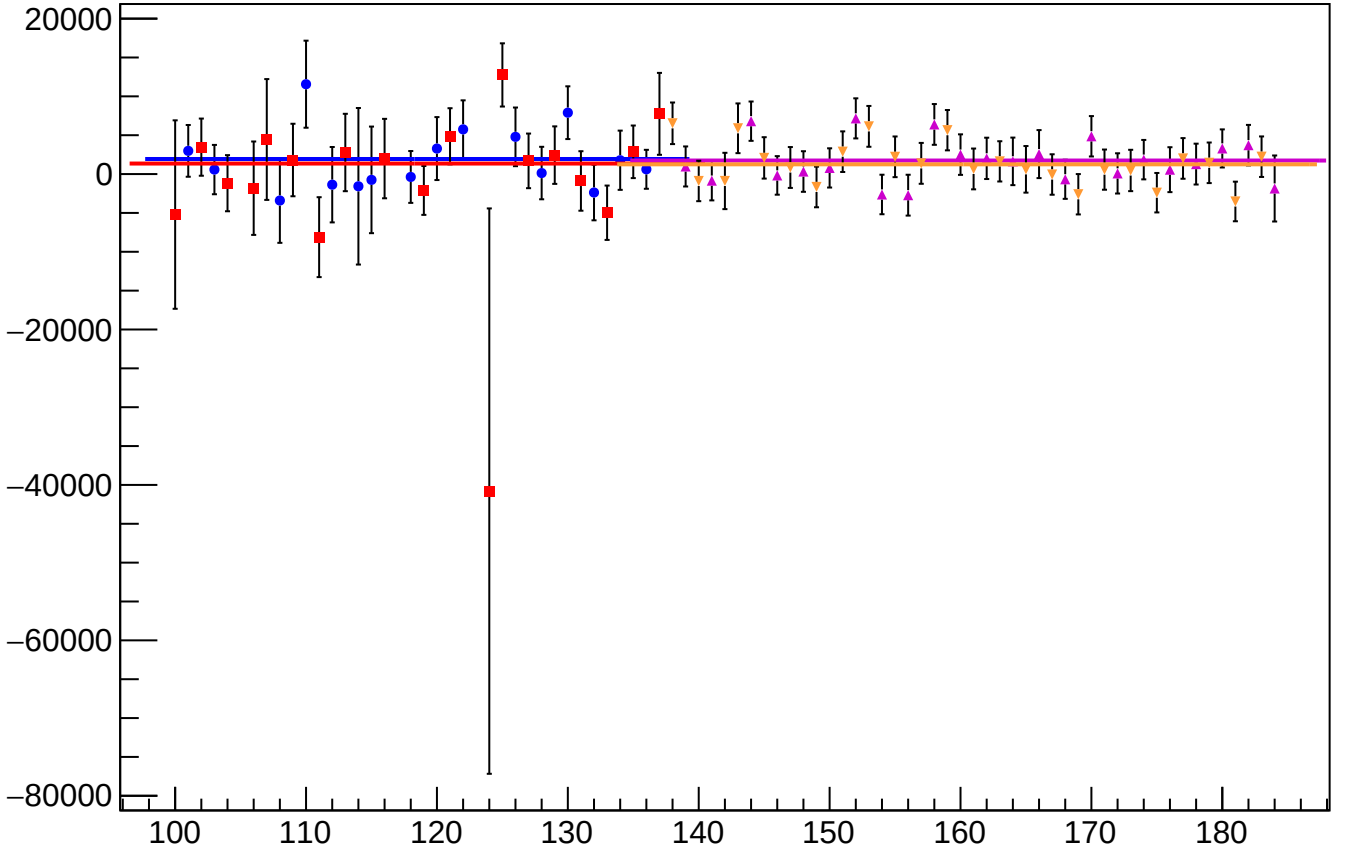
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 966.638+/-0.136 χ^2/NDF:562316.3/38

Out: 977.473+/-0.136 χ^2/NDF:1179559.6/42

All: 972.073+/-0.096 χ^2/NDF: 1745061.8/81

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: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1494.319+/-388.306 χ^2/NDF: 48.6/46

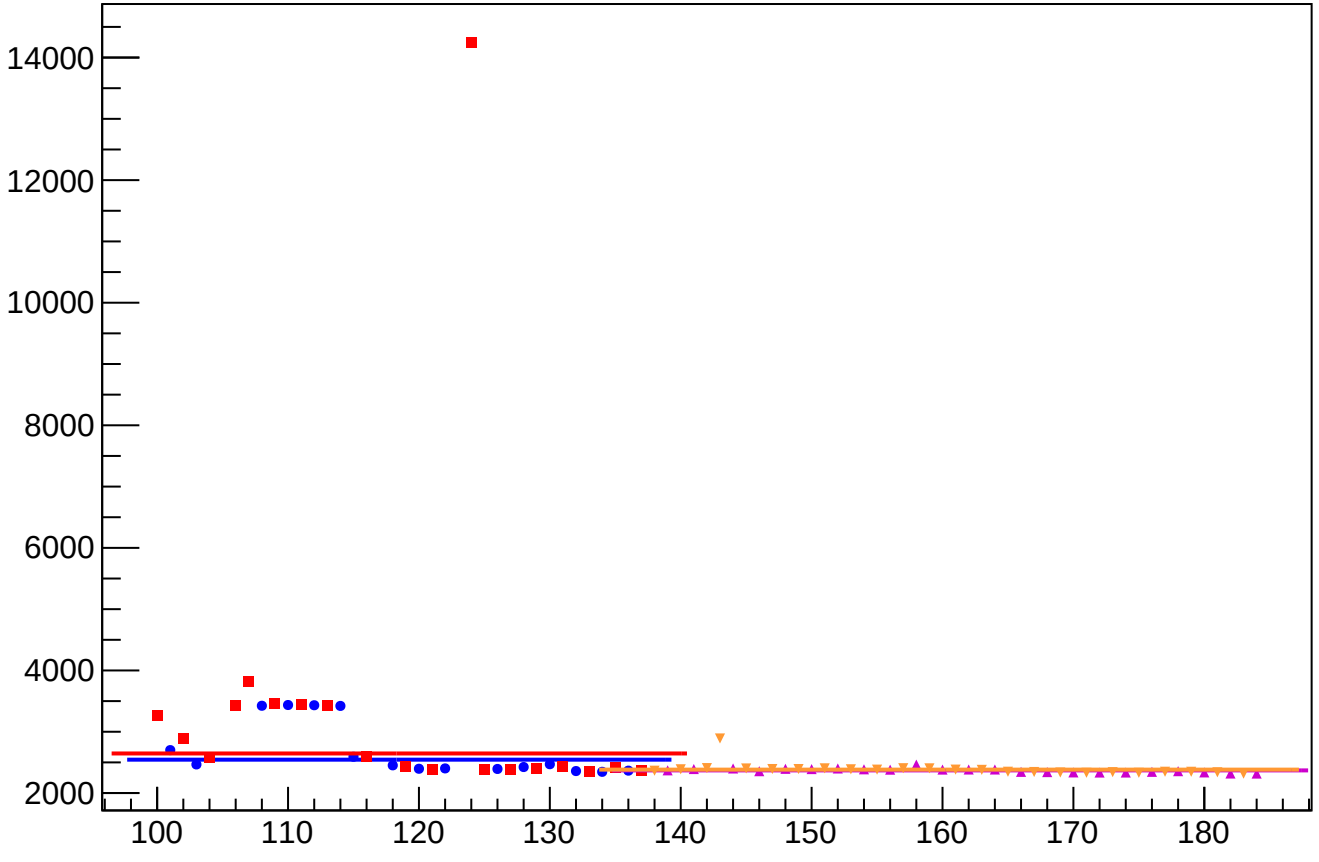
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1791.658+/-478.411 χ^2/NDF:36.7/38

Out: 1277.400+/-476.973 χ^2/NDF:45.6/42

All: 1533.755+/-337.778 χ^2/NDF: 82.8/81

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: 2369.384+/-0.391 χ^2/NDF:7034.0/22

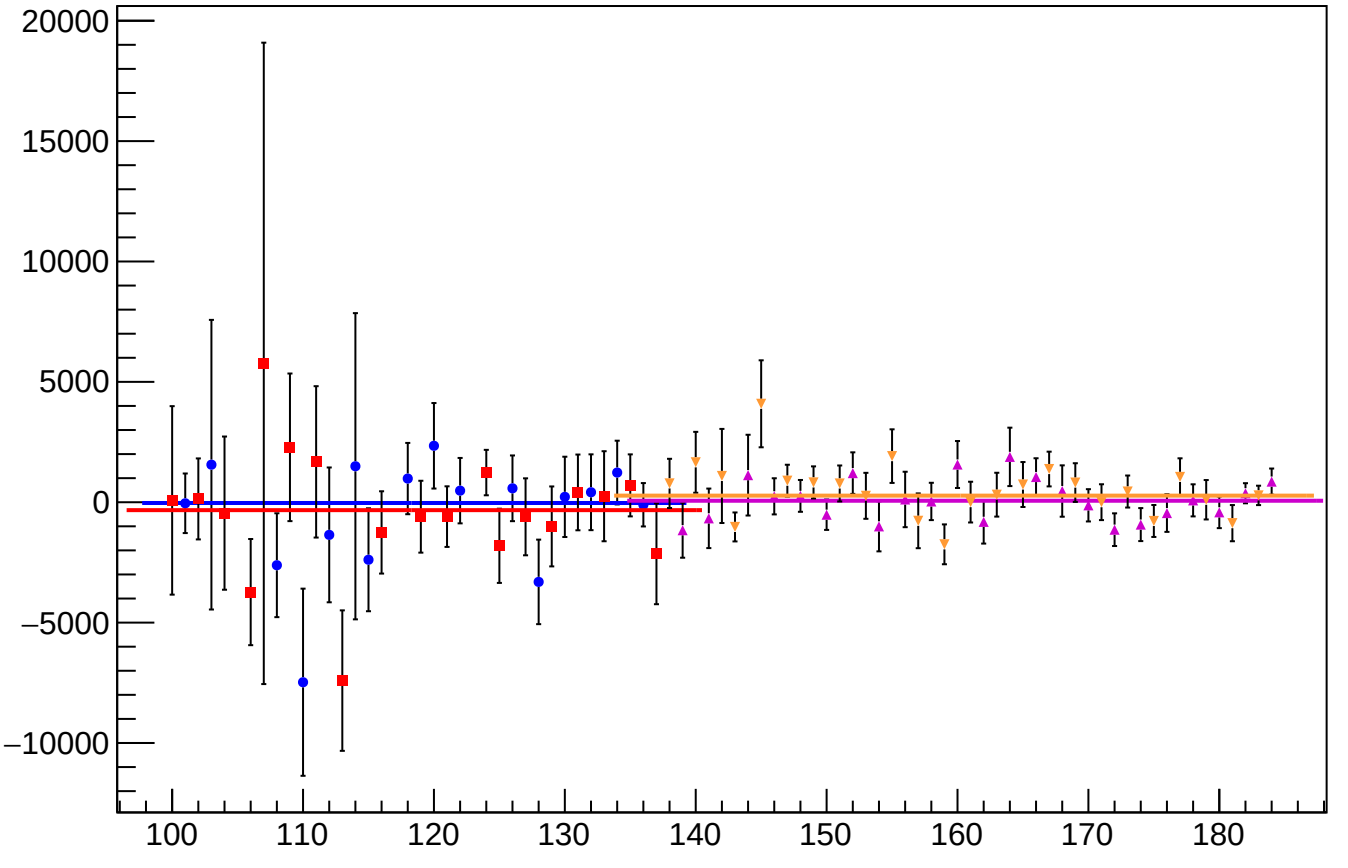
Left: 2375.793+/-0.275 χ^2/NDF: 64895.4/46

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2413.537+/-0.338 χ^2/NDF:283143.5/38

Out: 2443.817+/-0.337 χ^2/NDF:703954.9/42

All: 2428.722+/-0.239 χ^2/NDF: 991116.5/81



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: 61.960+/-157.394 χ^2/NDF:22.0/22

Left: 167.833+/-111.525 χ^2/NDF: 53.9/46

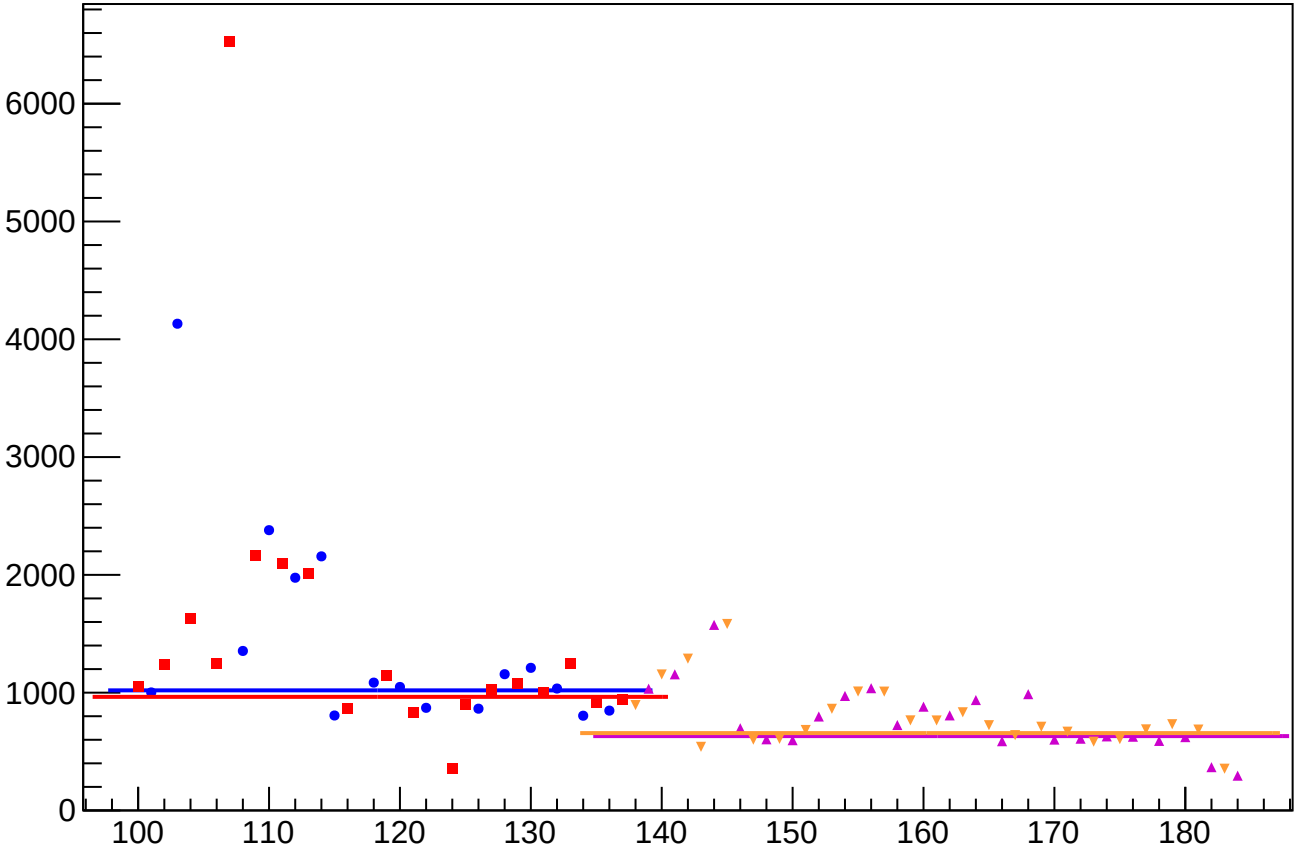
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: 49.775+/-146.739 χ^2/NDF:35.8/38

Out: 192.646+/-146.920 χ^2/NDF:48.6/42

All: 121.123+/-103.824 χ^2/NDF: 84.9/81

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



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: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 643.905+/-0.079 χ^2/NDF: 7092404.7/46

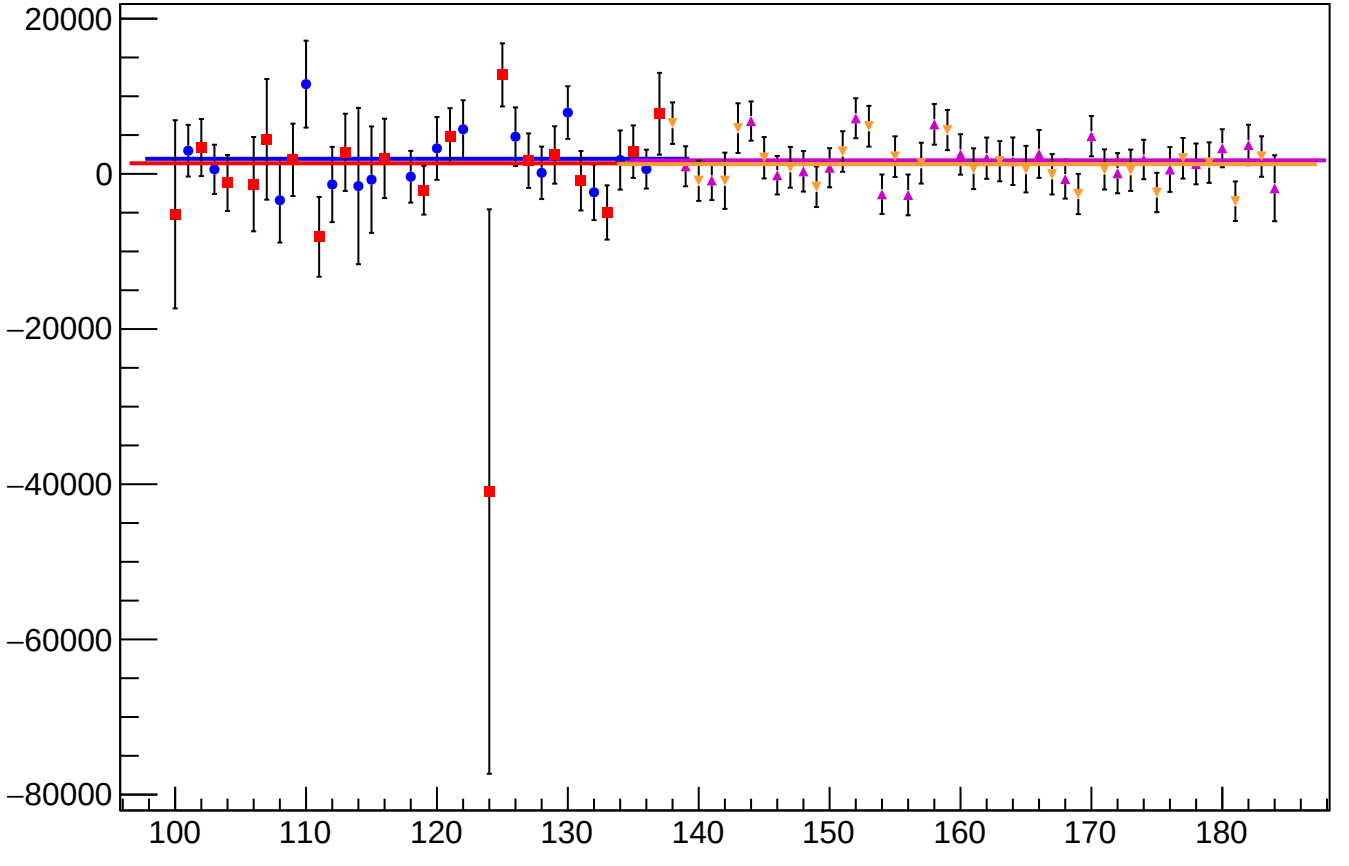
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 681.993+/-0.104 χ^2/NDF:6932649.5/38

Out: 698.522+/-0.104 χ^2/NDF:6429935.1/42

All: 690.248+/-0.073 χ^2/NDF: 13375256.6/81

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: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1494.326+/-388.306 χ^2/NDF: 48.6/46

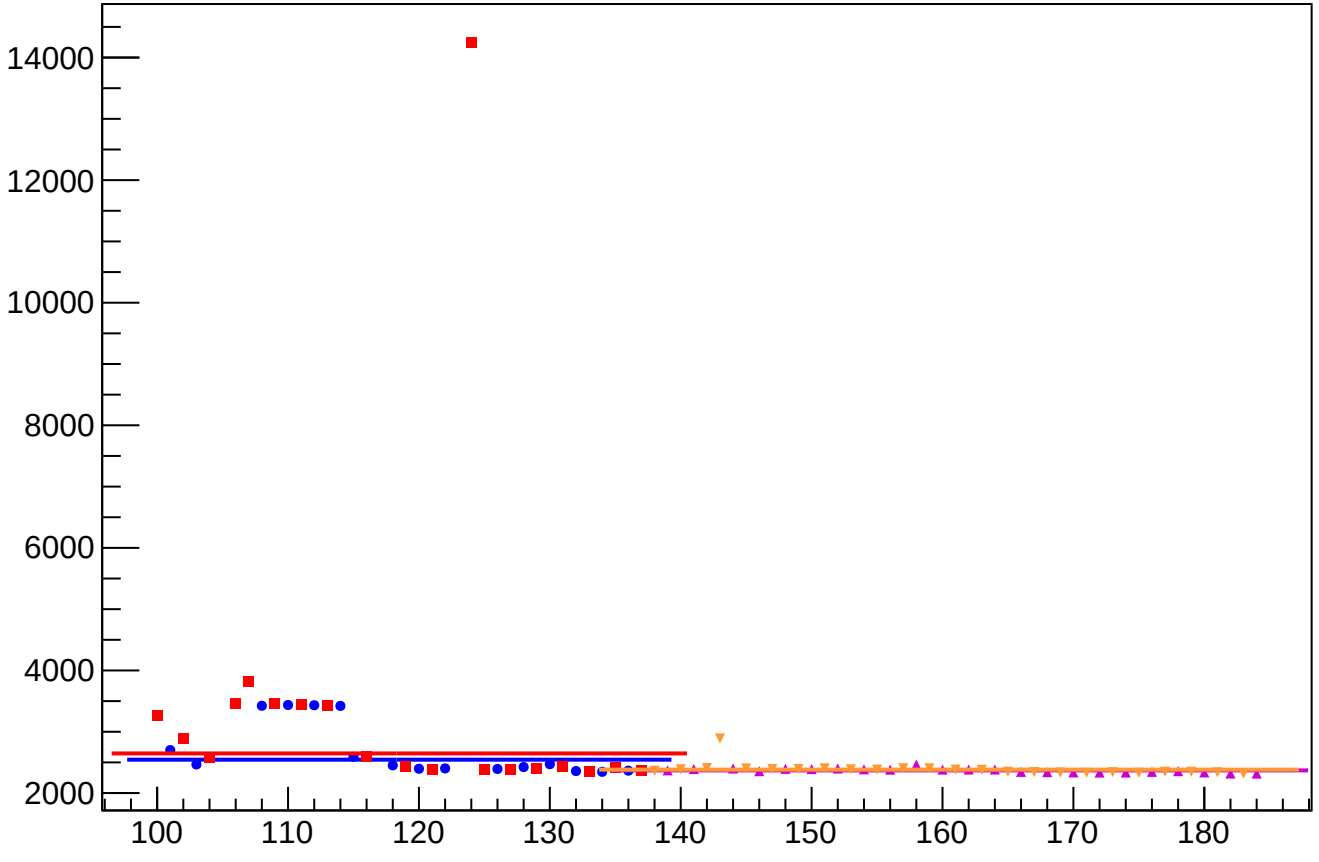
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1791.786+/-478.411 χ^2/NDF:36.7/38

Out: 1279.624+/-477.007 χ^2/NDF:45.5/42

All: 1534.952+/-337.790 χ^2/NDF: 82.7/81

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: 2369.384+/-0.391 χ^2/NDF:7034.0/22

Left: 2375.793+/-0.275 χ^2/NDF: 64895.4/46

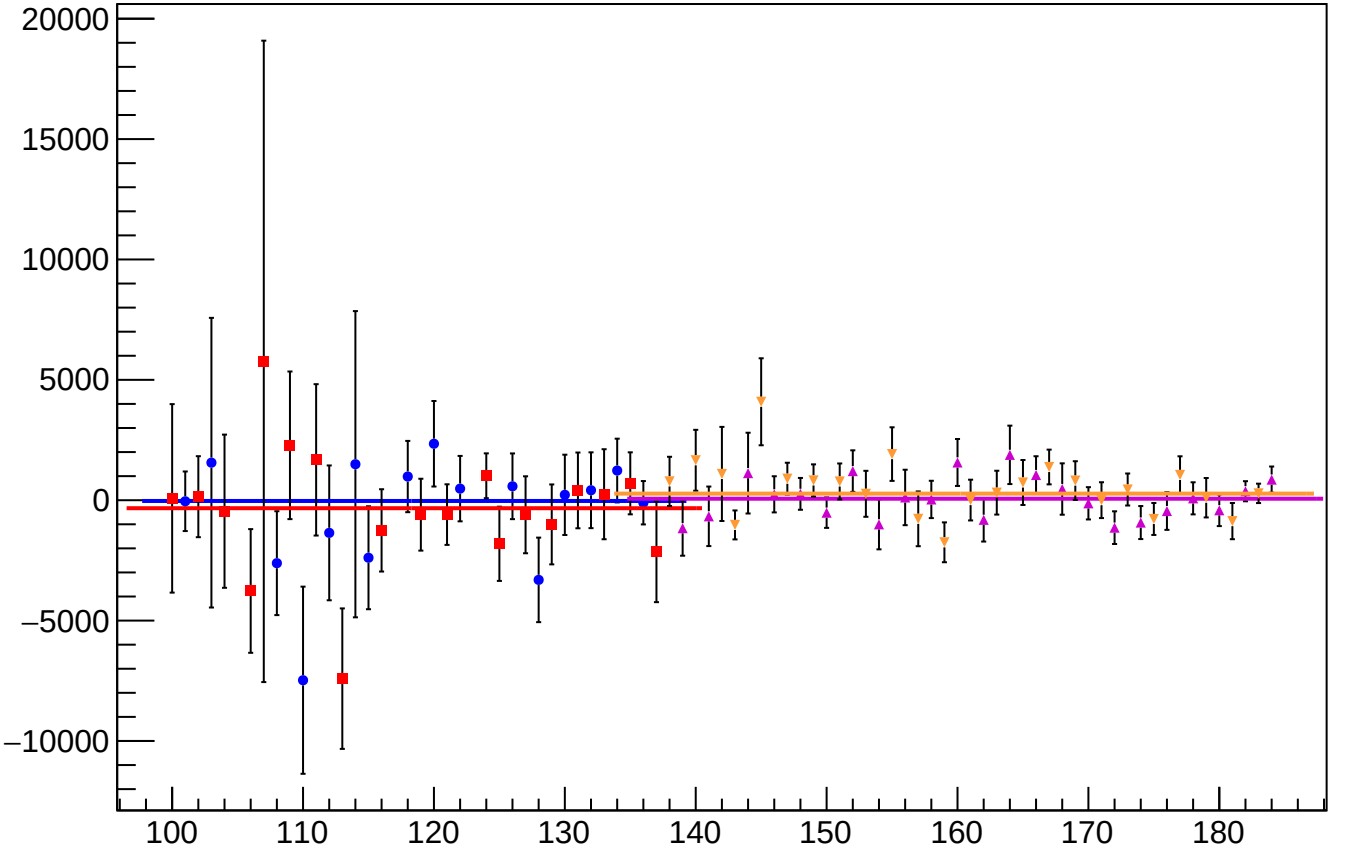
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2413.537+/-0.338 χ^2/NDF:283143.5/38

Out: 2443.918+/-0.337 χ^2/NDF:706948.3/42

All: 2428.772+/-0.239 χ^2/NDF: 994136.5/81

asym_atl1_cor_correction_mean vs Slug, Sign Corrected



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: 61.976+/-157.393 χ^2/NDF:22.0/22

Left: 167.887+/-111.526 χ^2/NDF: 53.9/46

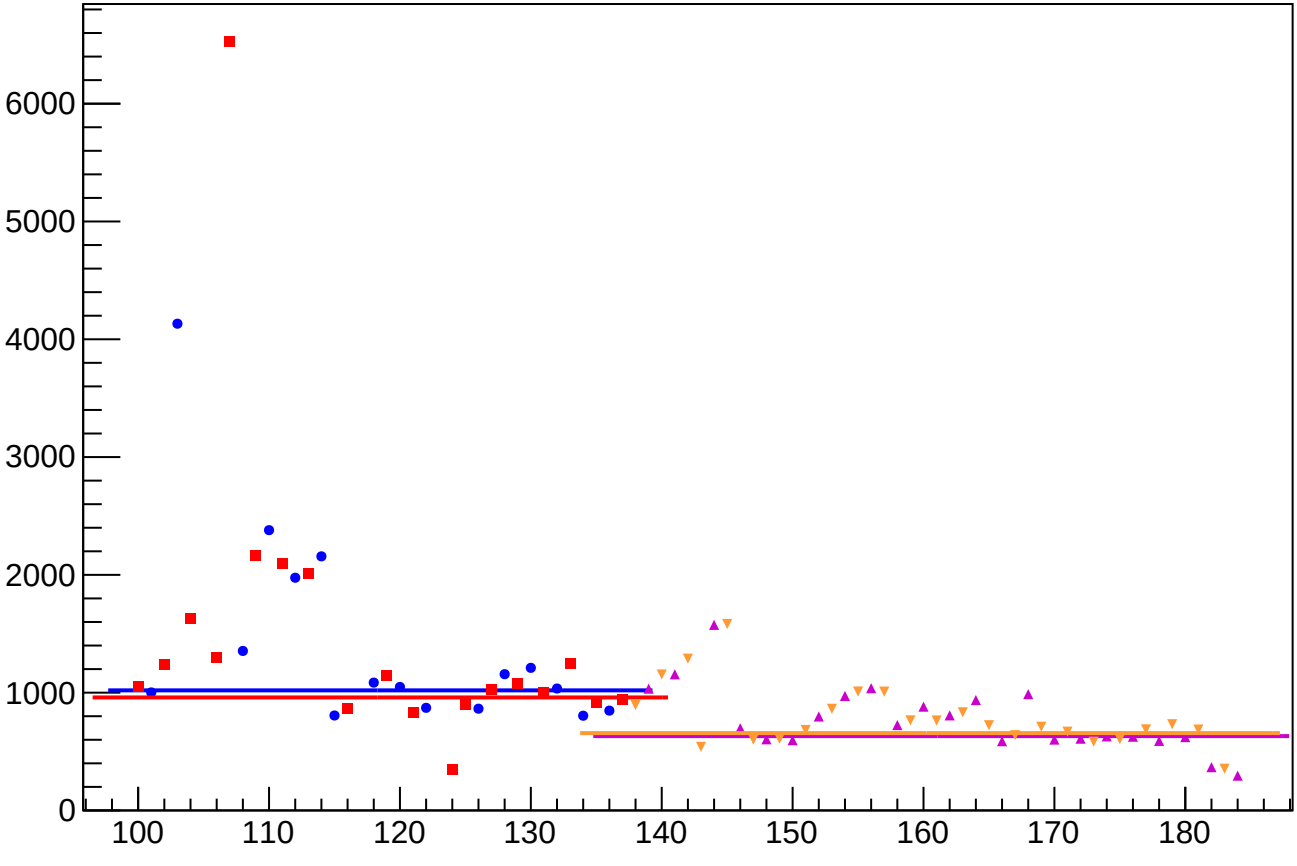
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 49.781+/-146.739 χ^2/NDF:35.8/38

Out: 192.525+/-146.959 χ^2/NDF:47.4/42

All: 121.046+/-103.838 χ^2/NDF: 83.7/81

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



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: 631.196+/-0.111 χ^2/NDF:3975563.1/22

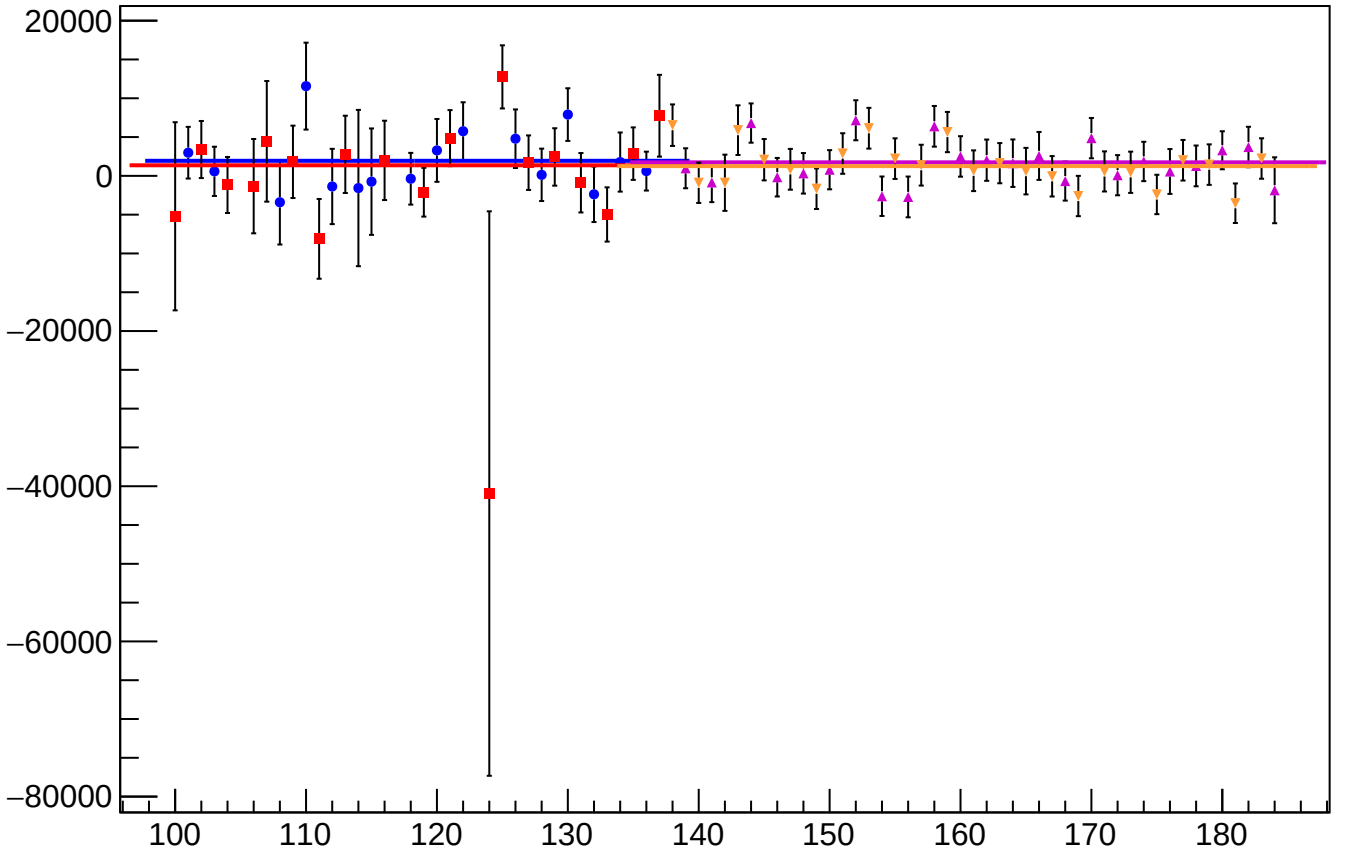
Left: 643.908+/-0.079 χ^2/NDF: 7092439.9/46

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 681.991+/-0.104 χ^2/NDF:6932739.4/38

Out: 697.710+/-0.104 χ^2/NDF:6428108.8/42

All: 689.838+/-0.073 χ^2/NDF: 13372306.3/81



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: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1494.326+/-388.306 χ^2/NDF: 48.6/46

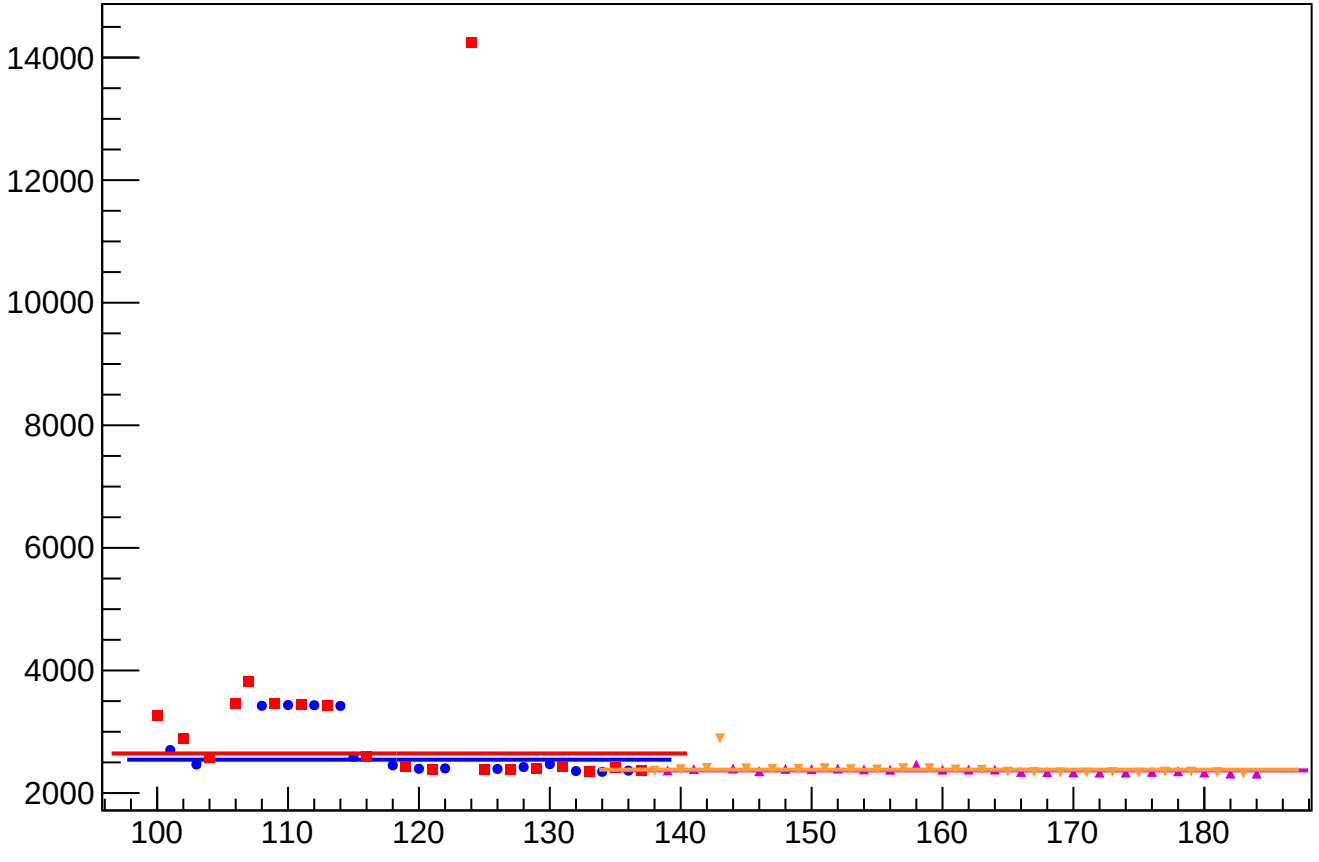
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1791.786+/-478.411 χ^2/NDF:36.7/38

Out: 1279.624+/-477.007 χ^2/NDF:45.5/42

All: 1534.952+/-337.790 χ^2/NDF: 82.7/81

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: 2369.384+/-0.391 χ^2/NDF:7034.0/22

Left: 2375.793+/-0.275 χ^2/NDF: 64895.4/46

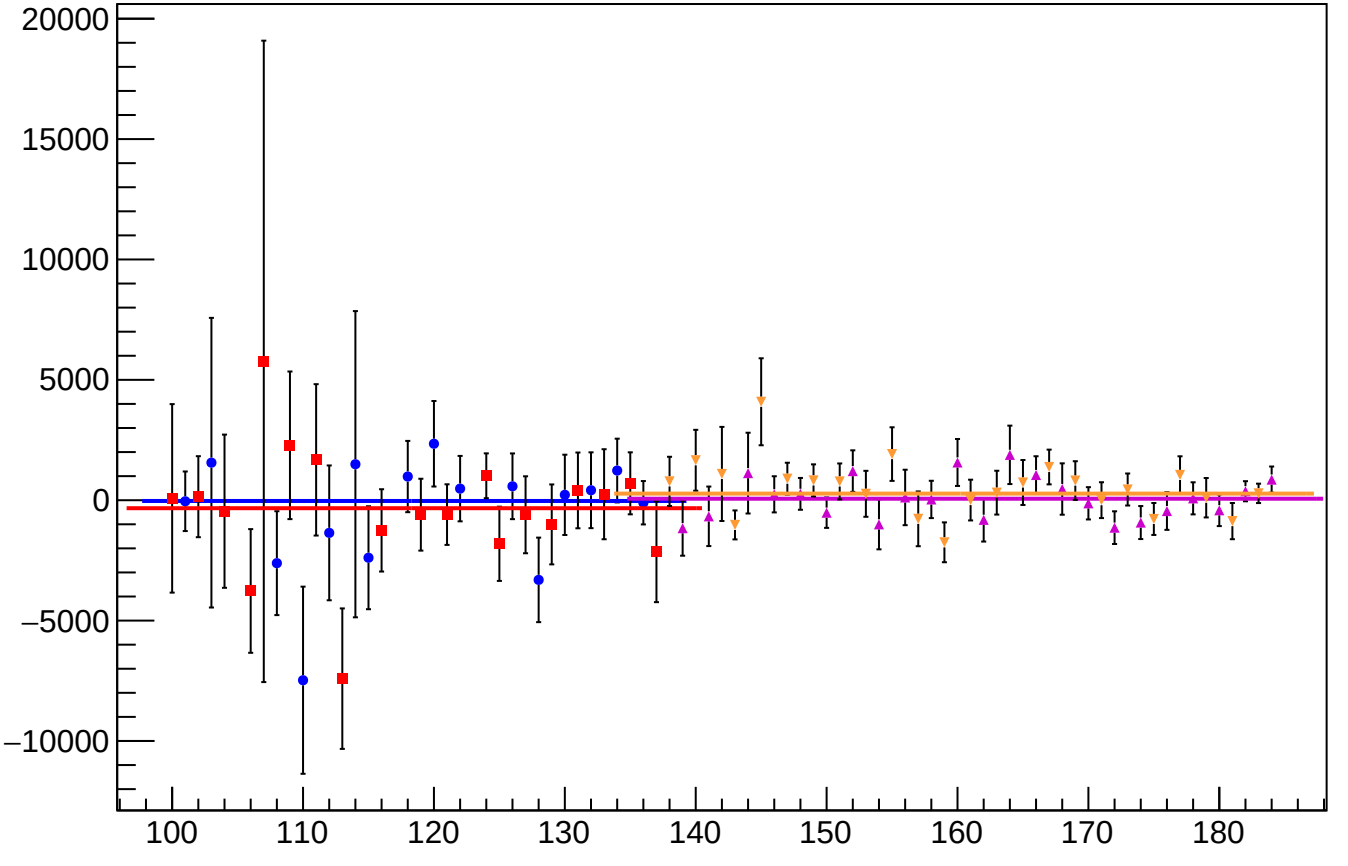
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2413.537+/-0.338 χ^2/NDF:283143.5/38

Out: 2443.918+/-0.337 χ^2/NDF:706948.3/42

All: 2428.772+/-0.239 χ^2/NDF: 994136.5/81

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 61.976+/-157.393 χ^2/NDF:22.0/22

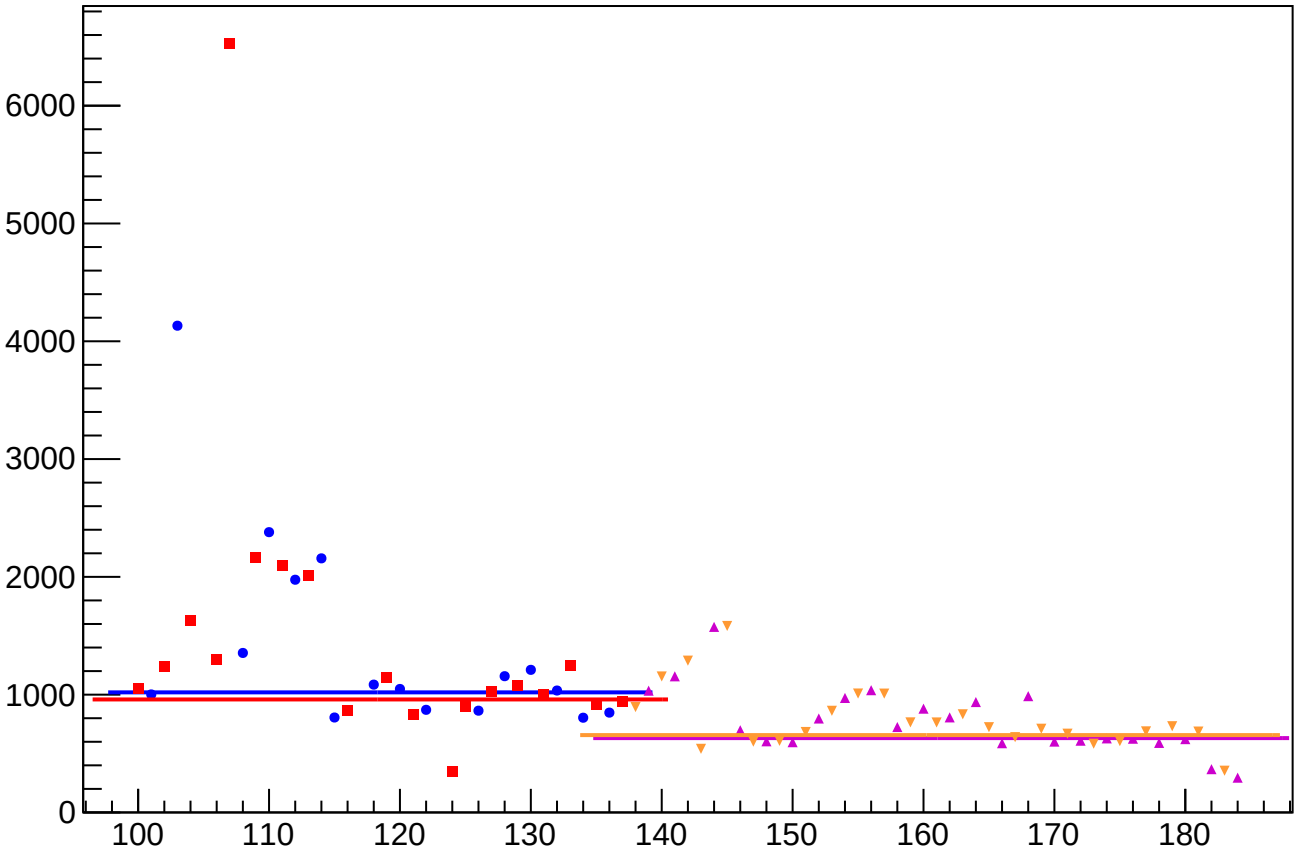
Left: 167.887+/-111.526 χ^2/NDF: 53.9/46

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 49.781+/-146.739 χ^2/NDF:35.8/38

Out: 192.525+/-146.959 χ^2/NDF:47.4/42

All: 121.046+/-103.838 χ^2/NDF: 83.7/81



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: 631.196+/-0.111 χ^2/NDF:3975563.1/22

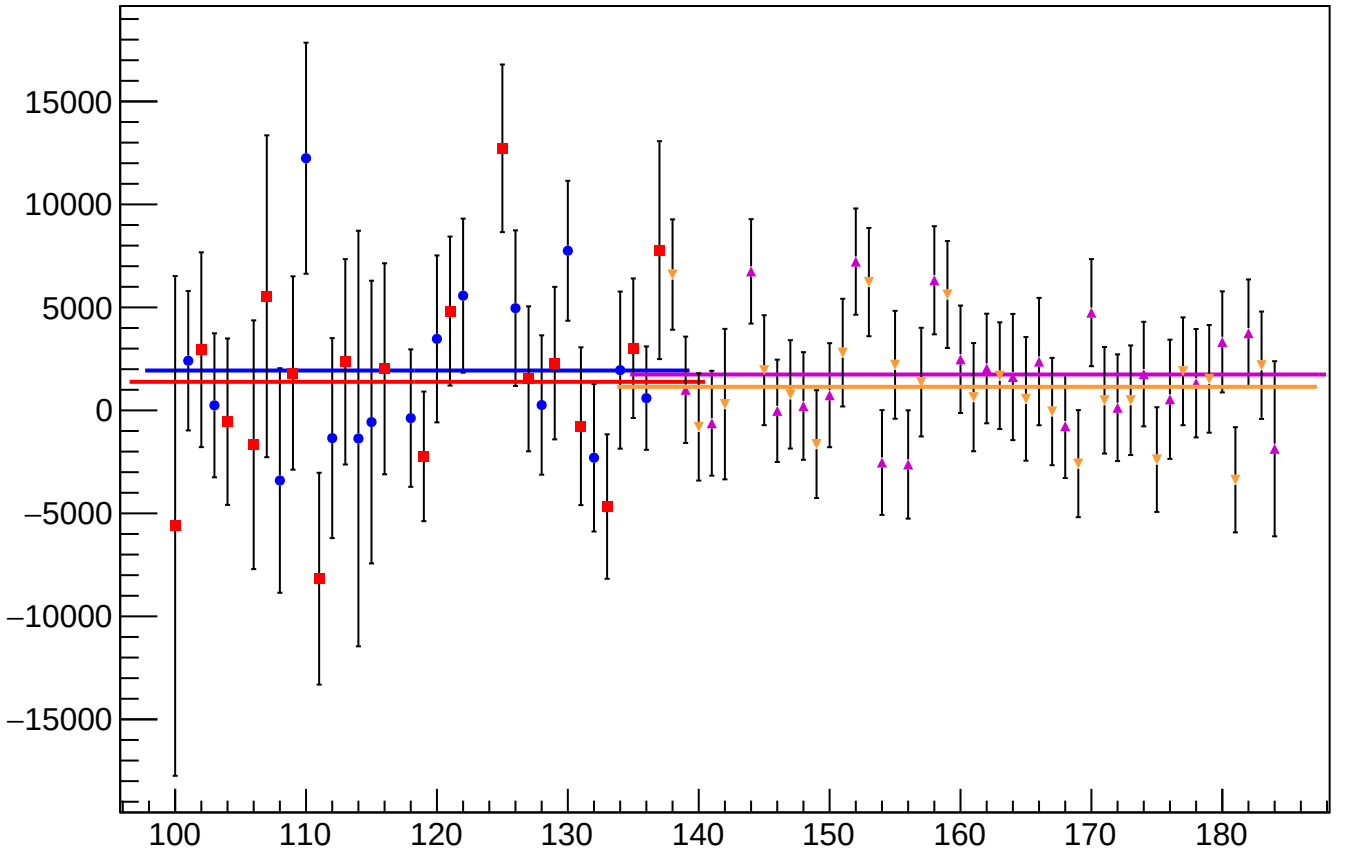
Left: 643.908+/-0.079 χ^2/NDF: 7092439.9/46

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 681.991+/-0.104 χ^2/NDF:6932739.4/38

Out: 697.710+/-0.104 χ^2/NDF:6428108.8/42

All: 689.838+/-0.073 χ^2/NDF: 13372306.3/81



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: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1443.688+/-391.599 χ^2/NDF: 45.5/45

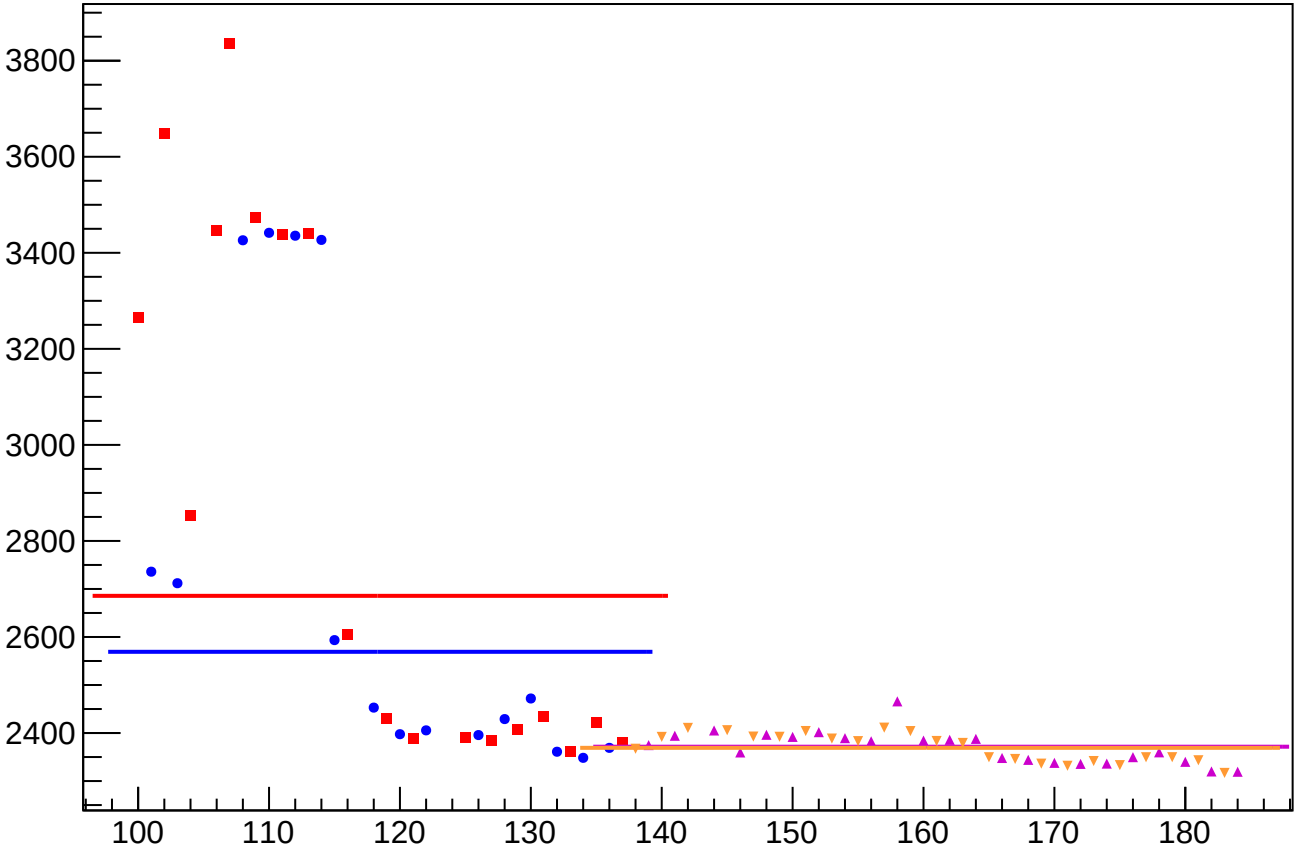
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1790.485+/-479.963 χ^2/NDF:36.1/38

Out: 1201.123+/-485.531 χ^2/NDF:40.9/40

All: 1499.203+/-341.337 χ^2/NDF: 77.8/79

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: 2371.518+/-0.392 χ^2/NDF:7053.5/22

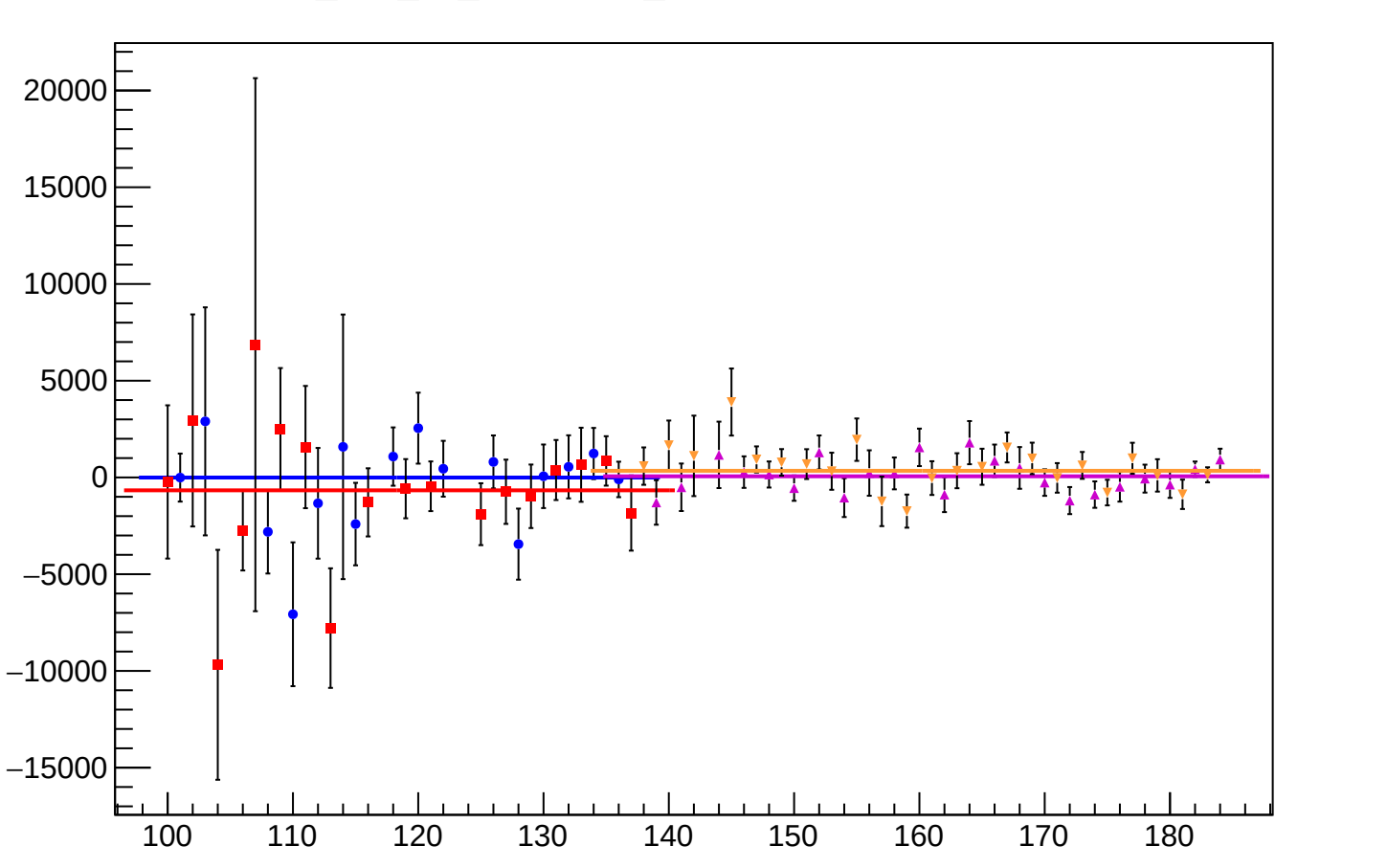
Left: 2370.339+/-0.277 χ^2/NDF: 12486.1/45

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

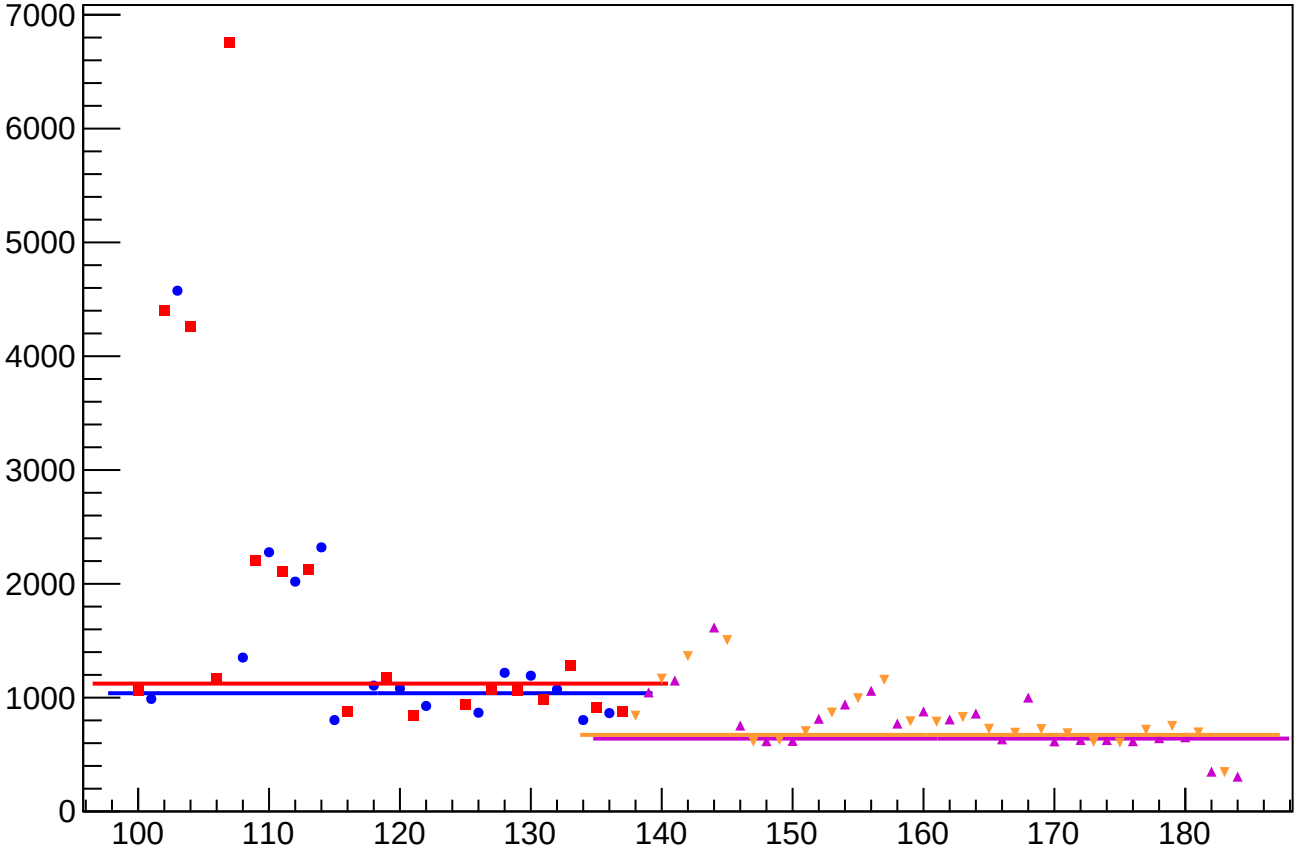
In: 2420.675+/-0.339 χ^2/NDF:299898.2/38

Out: 2442.434+/-0.343 χ^2/NDF:575892.1/40

All: 2431.429+/-0.241 χ^2/NDF: 877821.8/79


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: 59.619+/-159.669 χ²/NDF:22.7/22
Left: 196.492+/-115.021 χ²/NDF: 50.8/45
Right: -299.130+/-307.154 χ²/NDF: 30.0/33
In: 51.167+/-148.892 χ²/NDF:37.2/38
Out: 228.188+/-156.025 χ²/NDF:45.2/40
All: 135.539+/-107.716 χ²/NDF: 83.1/79

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: 640.422+/-0.113 χ^2/NDF:4128760.4/22

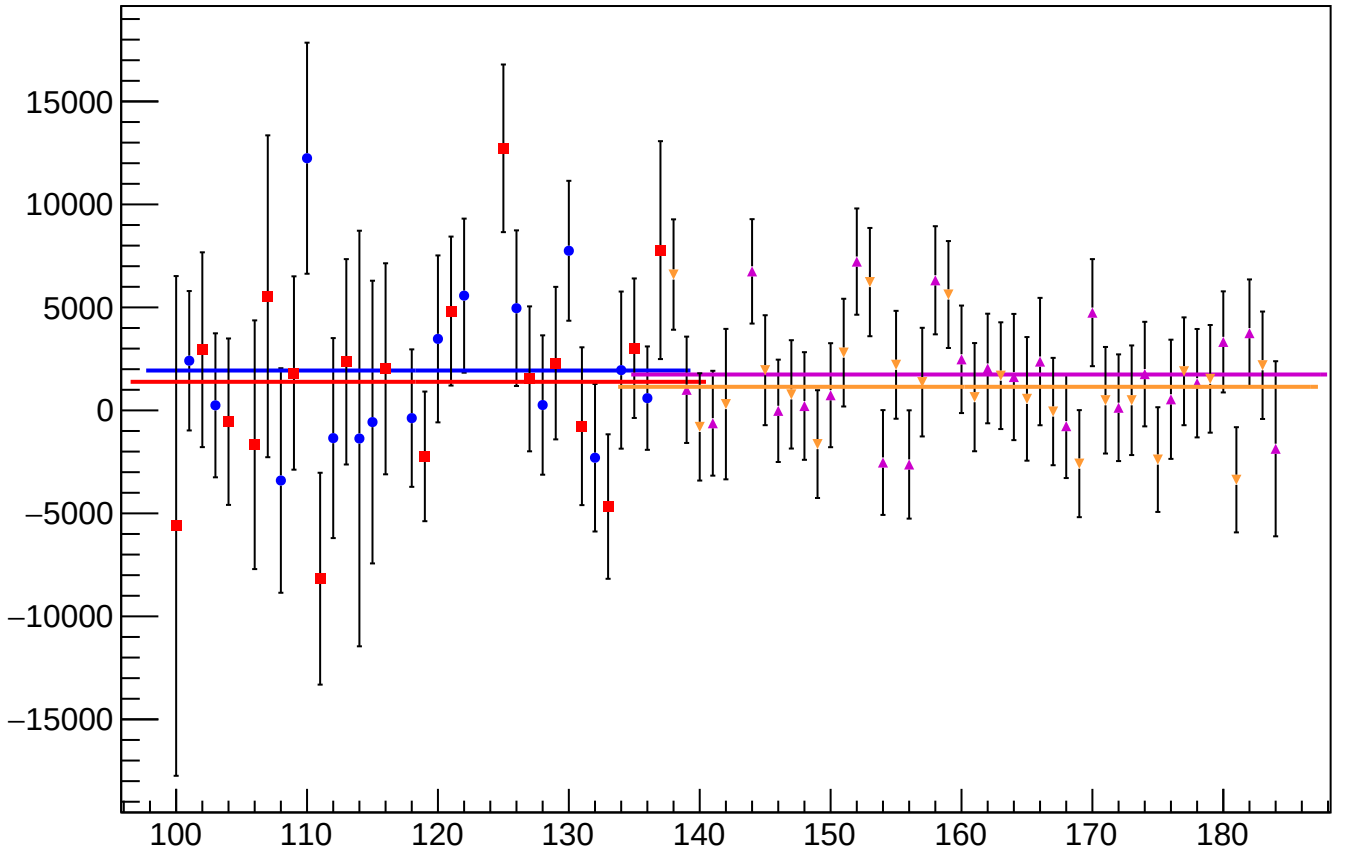
Left: 656.073+/-0.081 χ^2/NDF: 7401054.8/45

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 692.388+/-0.105 χ^2/NDF:7292573.0/38

Out: 724.671+/-0.110 χ^2/NDF:7462272.6/40

All: 707.775+/-0.076 χ^2/NDF: 14799657.2/79



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: 1742.305+/-553.755 χ^2/NDF:23.8/22

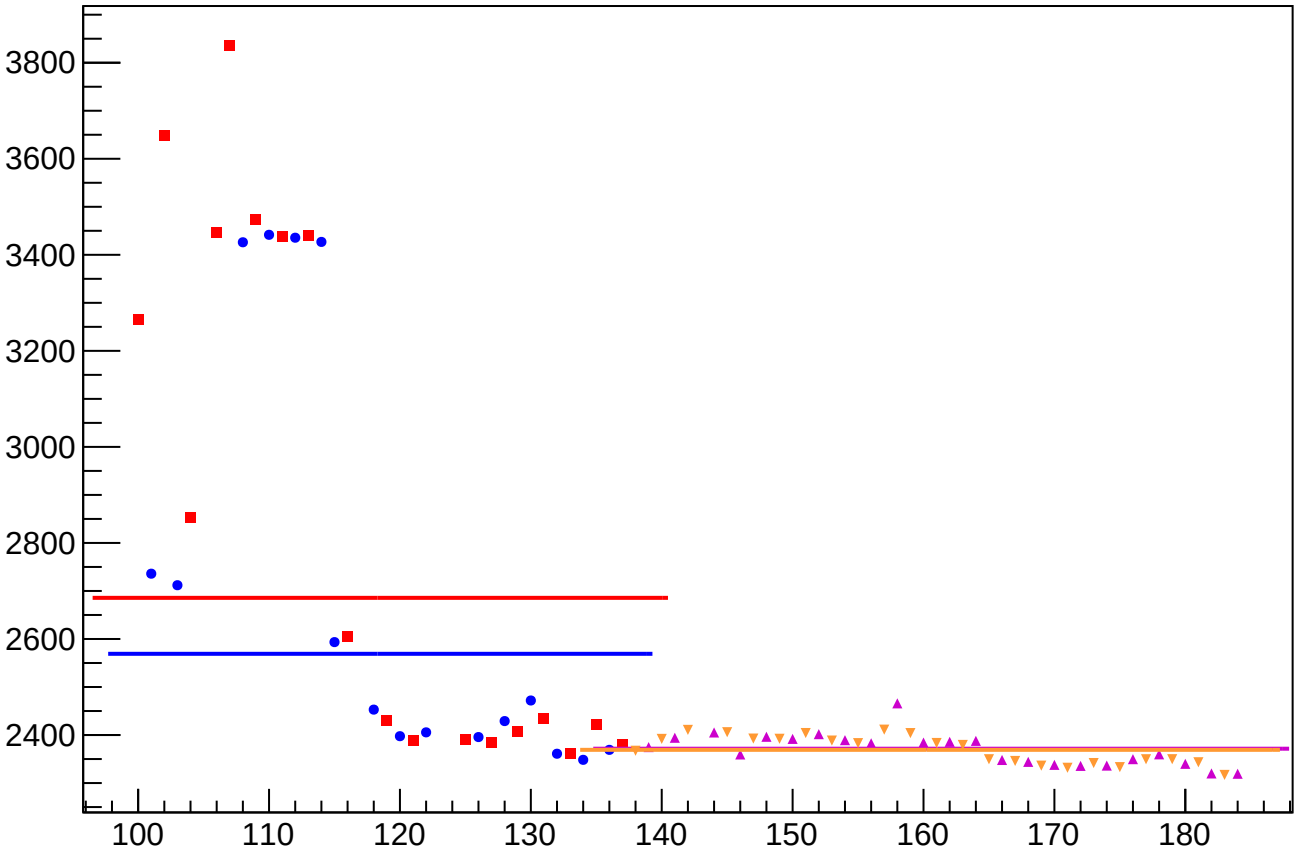
Left: 1443.689+/-391.599 χ^2/NDF: 45.5/45

Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1790.485+/-479.963 χ^2/NDF:36.1/38

Out: 1201.123+/-485.531 χ^2/NDF:40.9/40

All: 1499.202+/-341.336 χ^2/NDF: 77.8/79



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: 2371.518+/-0.392 χ^2/NDF:7053.5/22

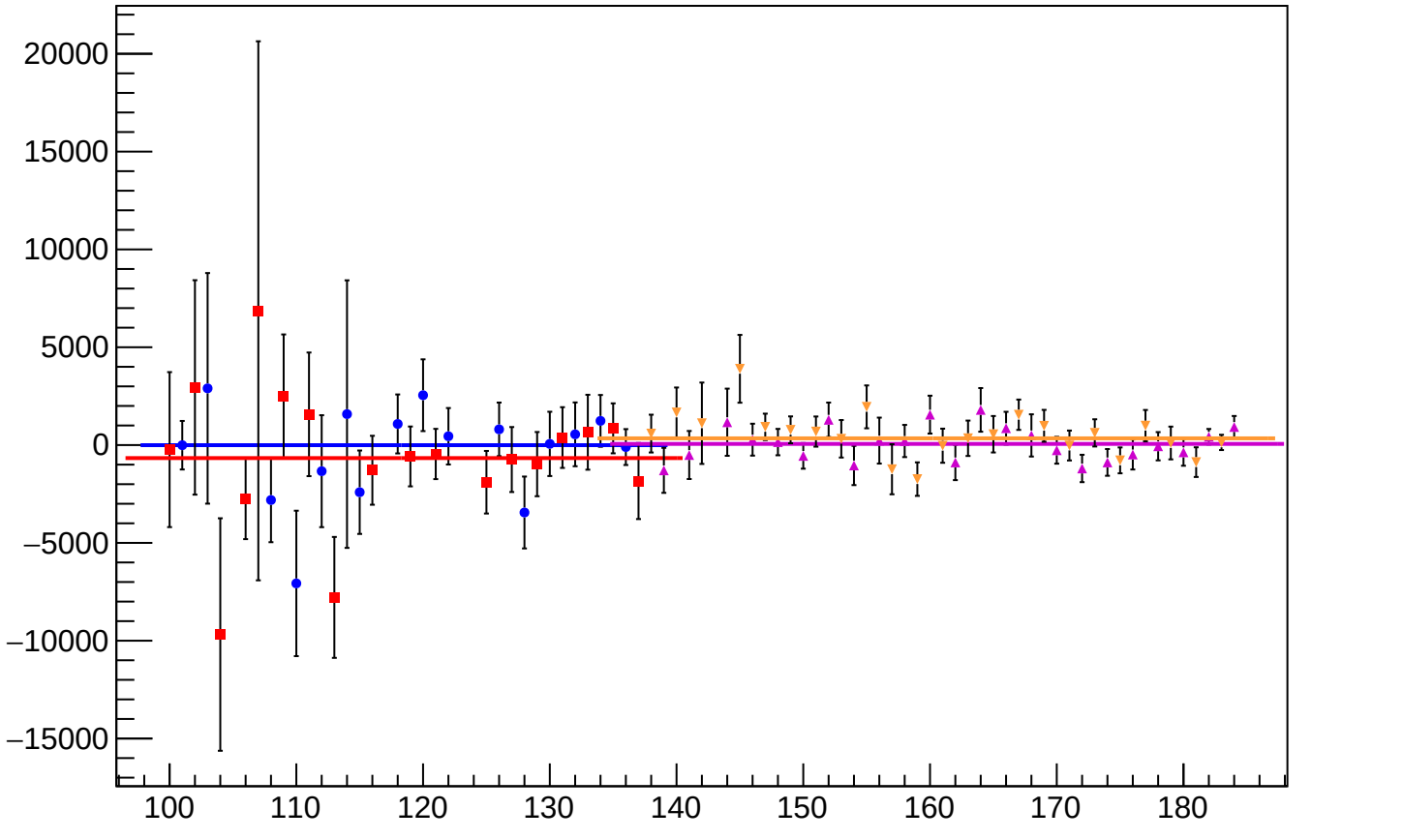
Left: 2370.339+/-0.277 χ^2/NDF: 12486.1/45

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2420.675+/-0.339 χ^2/NDF:299897.7/38

Out: 2442.434+/-0.343 χ^2/NDF:575891.1/40

All: 2431.429+/-0.241 χ^2/NDF: 877820.3/79



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: 59.619+/-159.670 χ^2/NDF:22.7/22

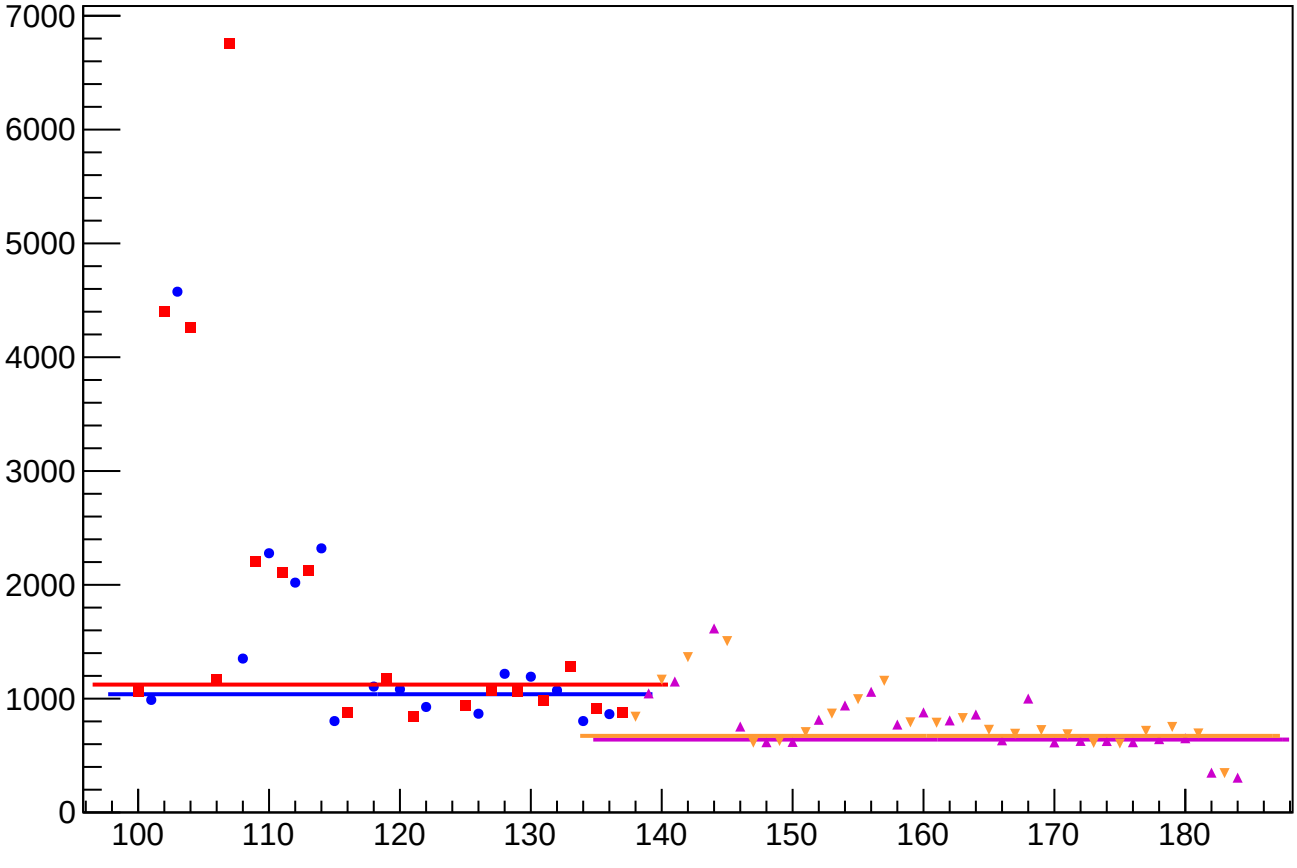
Left: 196.492+/-115.021 χ^2/NDF: 50.8/45

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: 51.167+/-148.892 χ^2/NDF:37.2/38

Out: 228.187+/-156.025 χ^2/NDF:45.2/40

All: 135.538+/-107.716 χ^2/NDF: 83.1/79



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: 640.423+/-0.113 χ^2/NDF:4128774.2/22

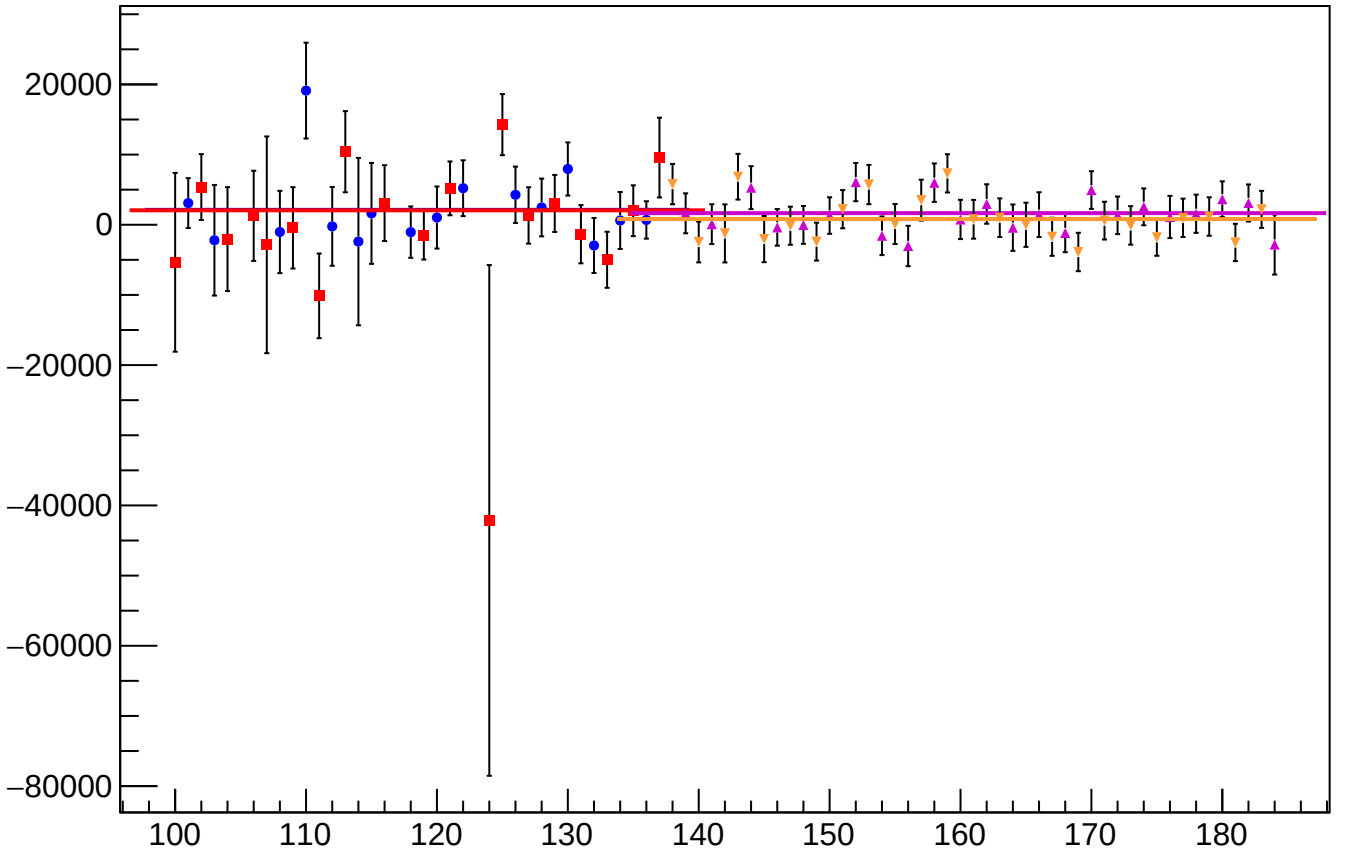
Left: 656.074+/-0.081 χ^2/NDF: 7401077.0/45

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 692.389+/-0.105 χ^2/NDF:7292578.3/38

Out: 724.672+/-0.110 χ^2/NDF:7462271.2/40

All: 707.776+/-0.076 χ^2/NDF: 14799661.4/79



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: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1225.844+/-411.675 χ^2/NDF: 45.4/46

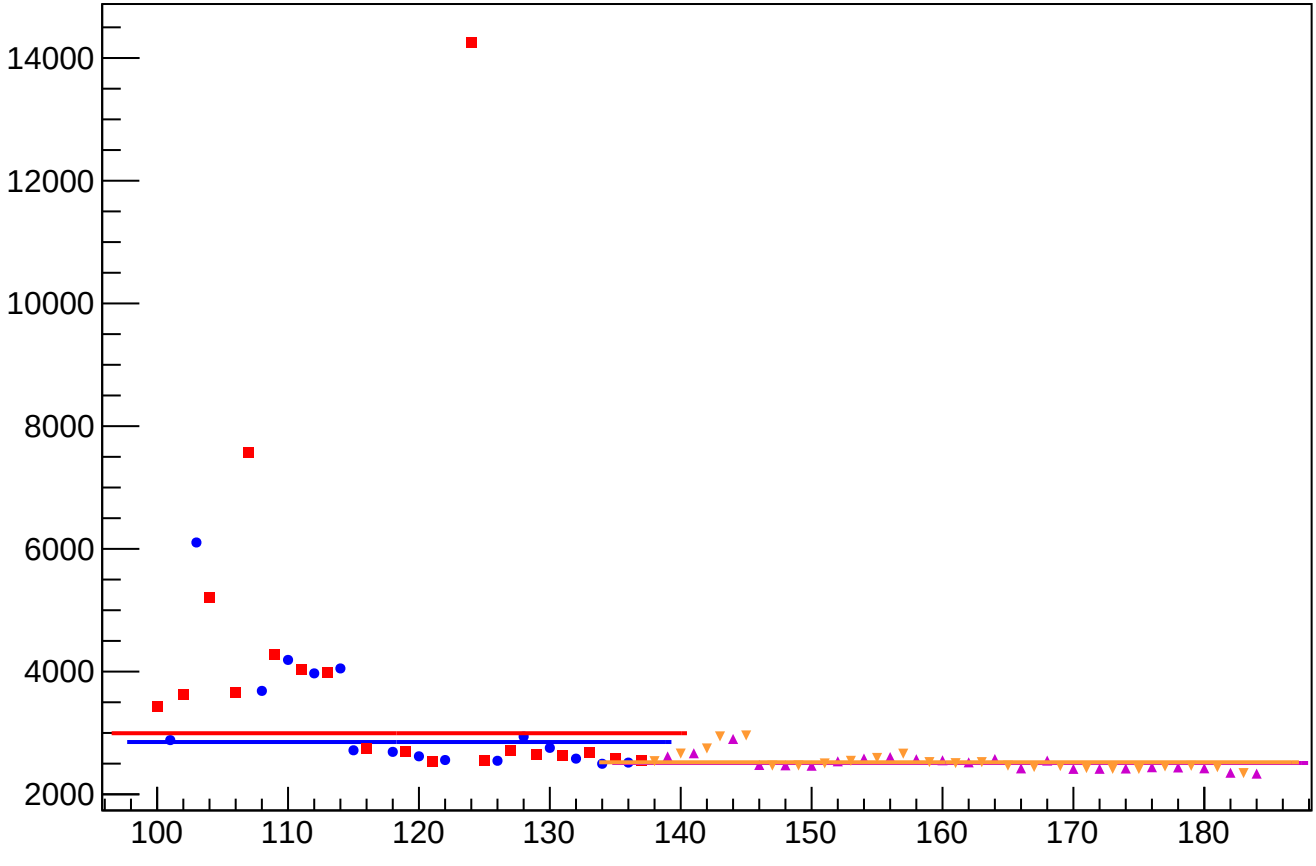
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1760.428+/-516.095 χ^2/NDF:30.8/38

Out: 1066.653+/-515.037 χ^2/NDF:52.3/42

All: 1412.829+/-364.560 χ^2/NDF: 84.1/81

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: 2510.156+/-0.415 χ^2/NDF:73771.4/22

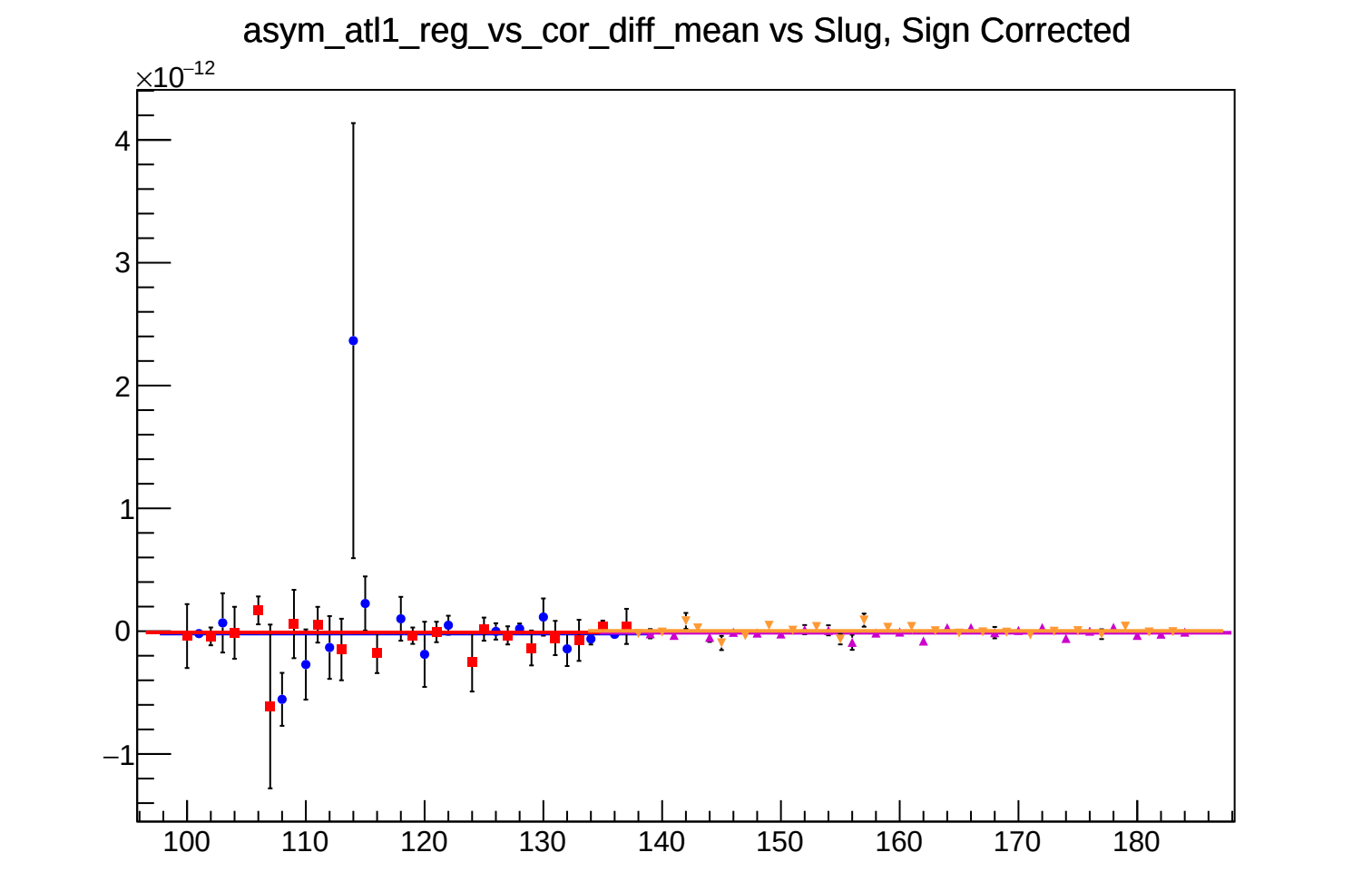
Left: 2516.230+/-0.291 χ^2/NDF: 186761.4/46

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2587.589+/-0.365 χ^2/NDF:876343.6/38

Out: 2619.290+/-0.364 χ^2/NDF:1367382.1/42

All: 2603.472+/-0.258 χ^2/NDF: 2247506.3/81



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:32.3/22

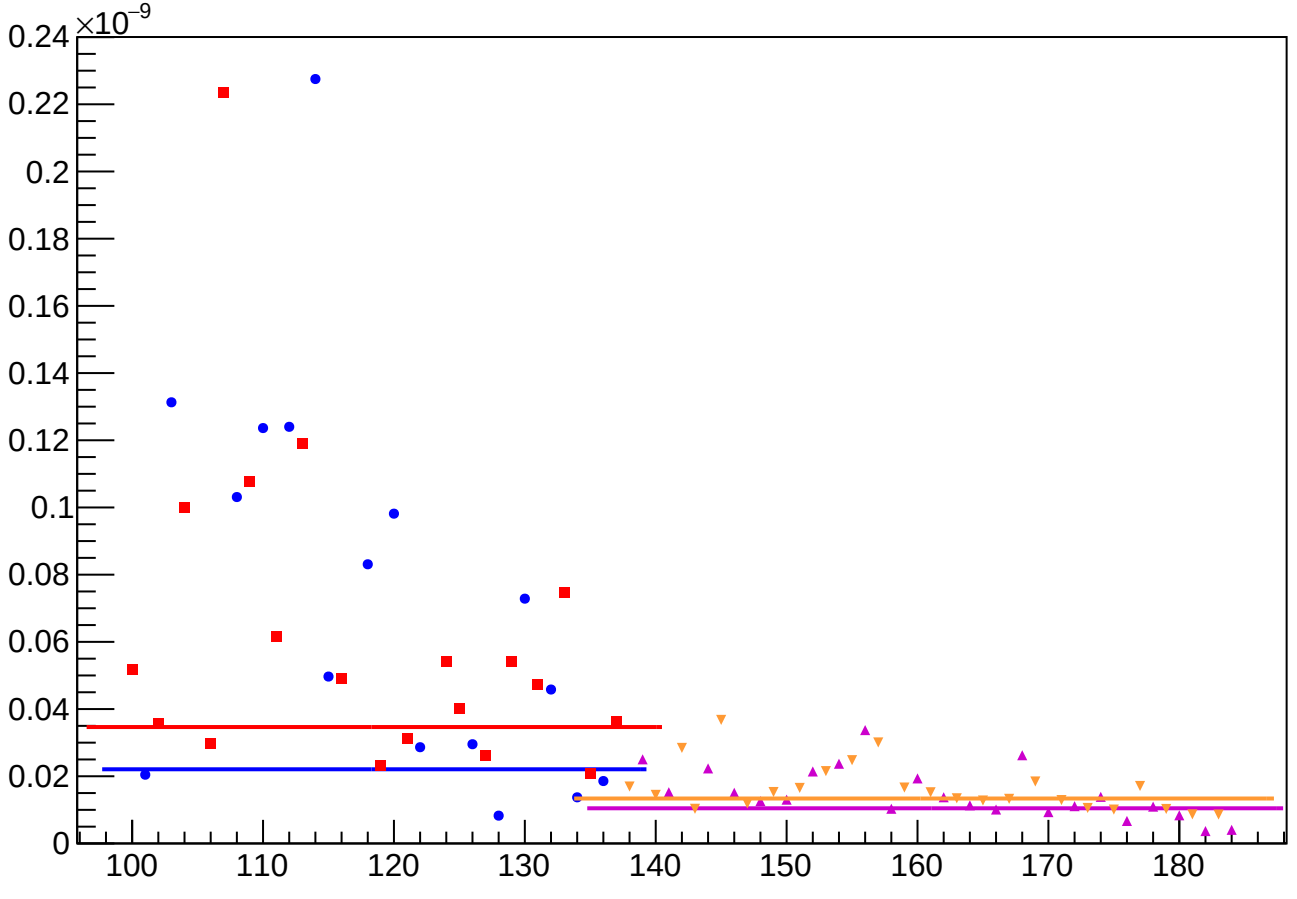
Left: -0.000+/-0.000 χ^2/NDF: 64.1/46

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:47.8/38

Out: 0.000+/-0.000 χ^2/NDF:35.8/42

All: -0.000+/-0.000 χ^2/NDF: 88.4/81



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:2813965.8/22

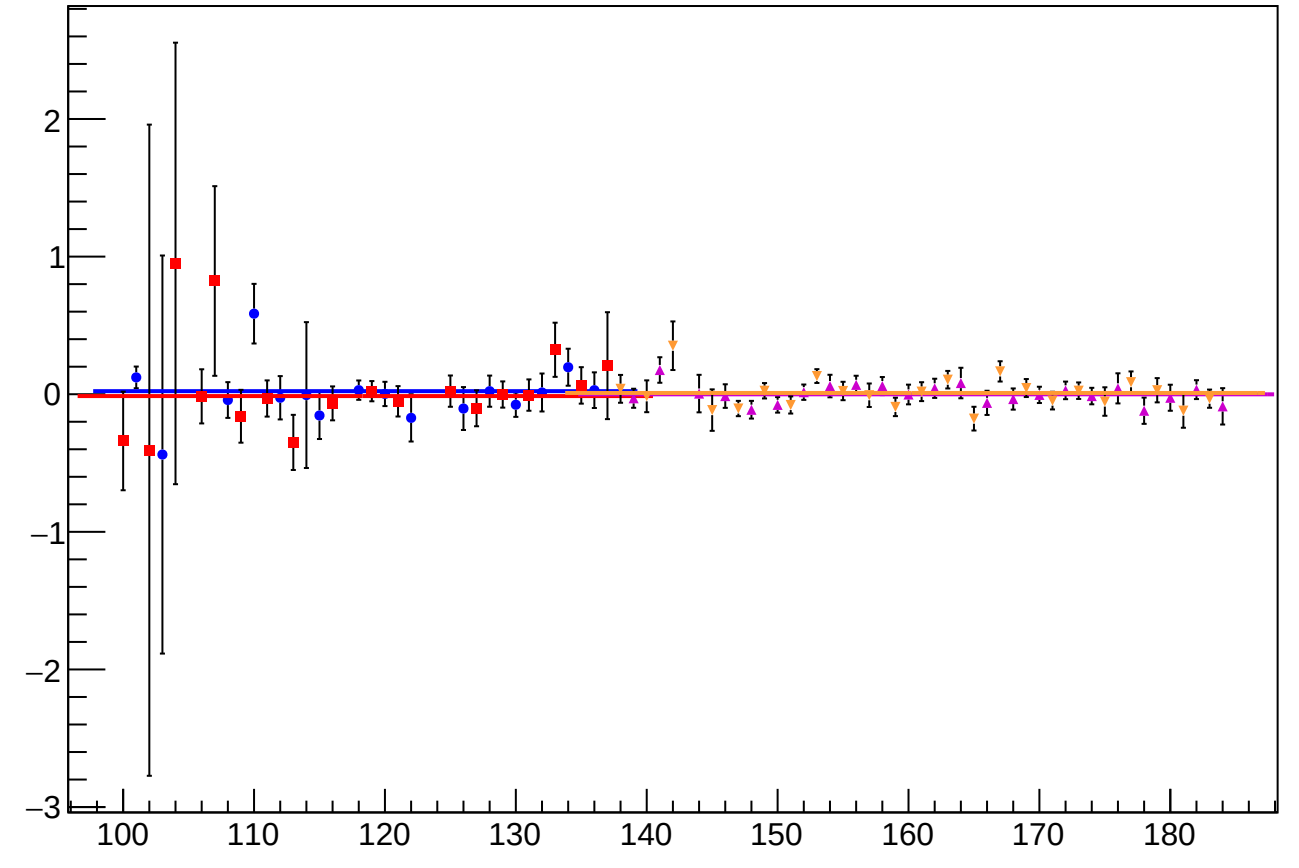
Left: 0.000+/-0.000 χ^2/NDF: 4587767.4/46

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:6009335.0/38

Out: 0.000+/-0.000 χ^2/NDF:4133054.1/42

All: 0.000+/-0.000 χ^2/NDF: 10521649.2/81



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: -0.001+/-0.015 χ^2/NDF:15.6/22

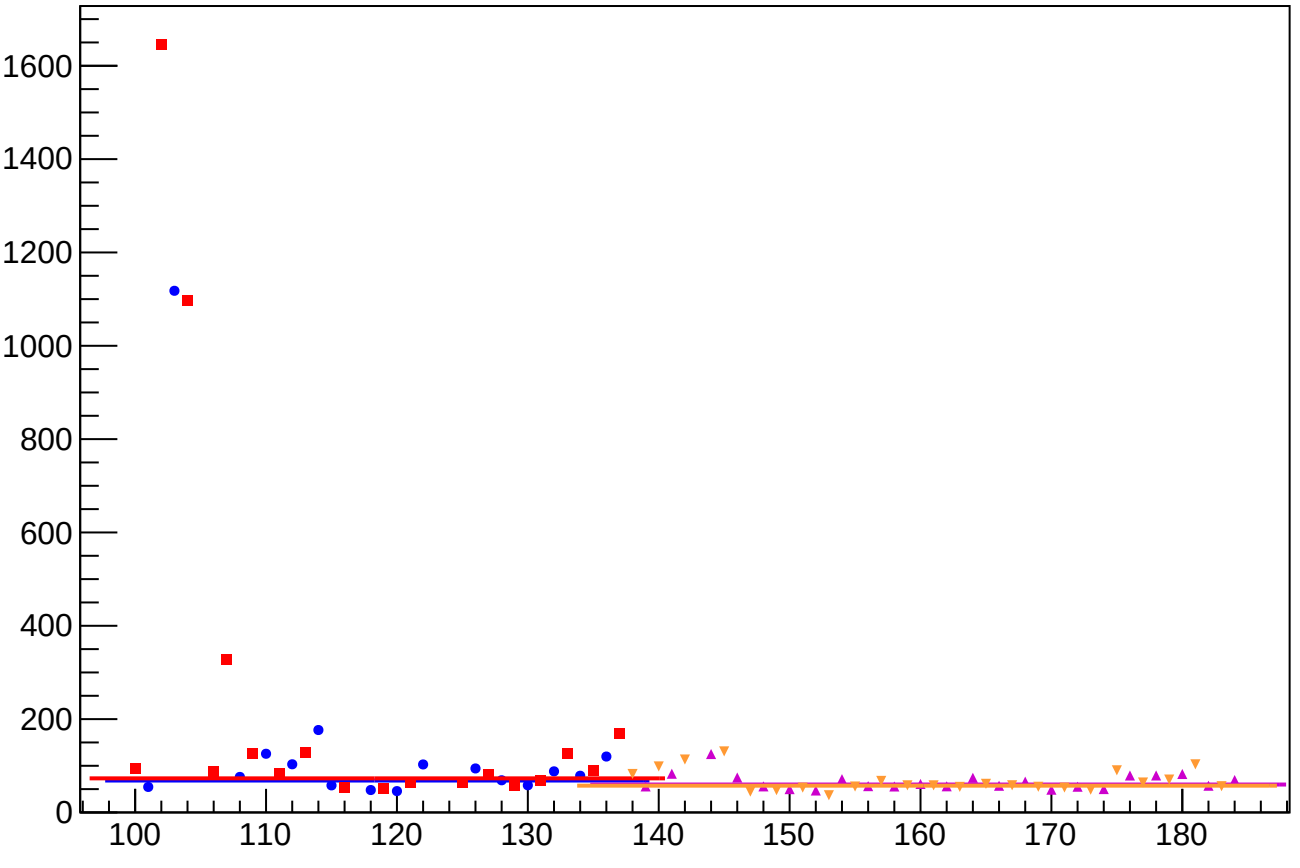
Left: 0.004+/-0.011 χ^2/NDF: 50.5/45

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.004+/-0.014 χ^2/NDF:30.8/38

Out: 0.005+/-0.014 χ^2/NDF:45.9/40

All: 0.005+/-0.010 χ^2/NDF: 76.7/79



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: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.602+/-0.008 χ^2/NDF: 3548401.9/45

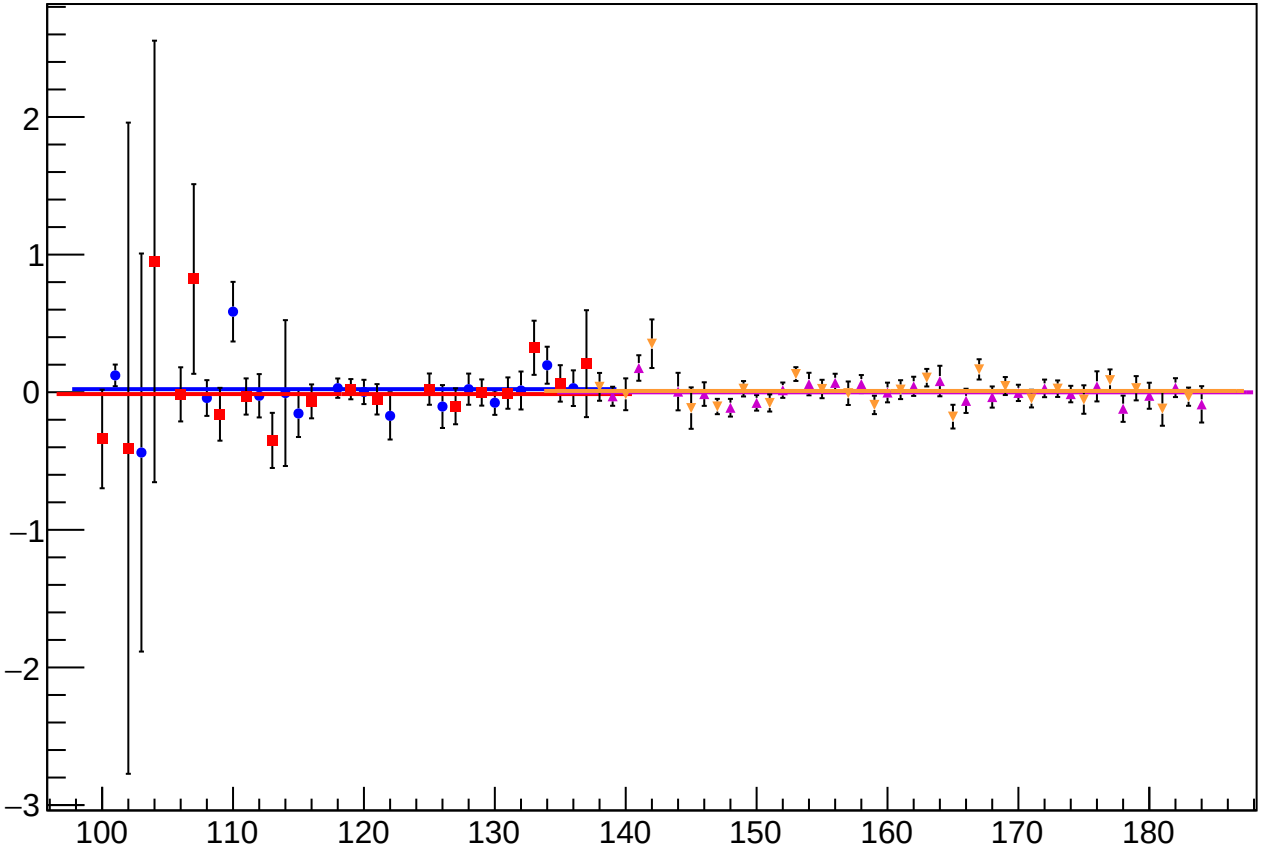
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.624+/-0.010 χ^2/NDF:3747565.2/38

Out: 60.094+/-0.010 χ^2/NDF:5458678.4/40

All: 60.862+/-0.007 χ^2/NDF: 9218544.0/79

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/22

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

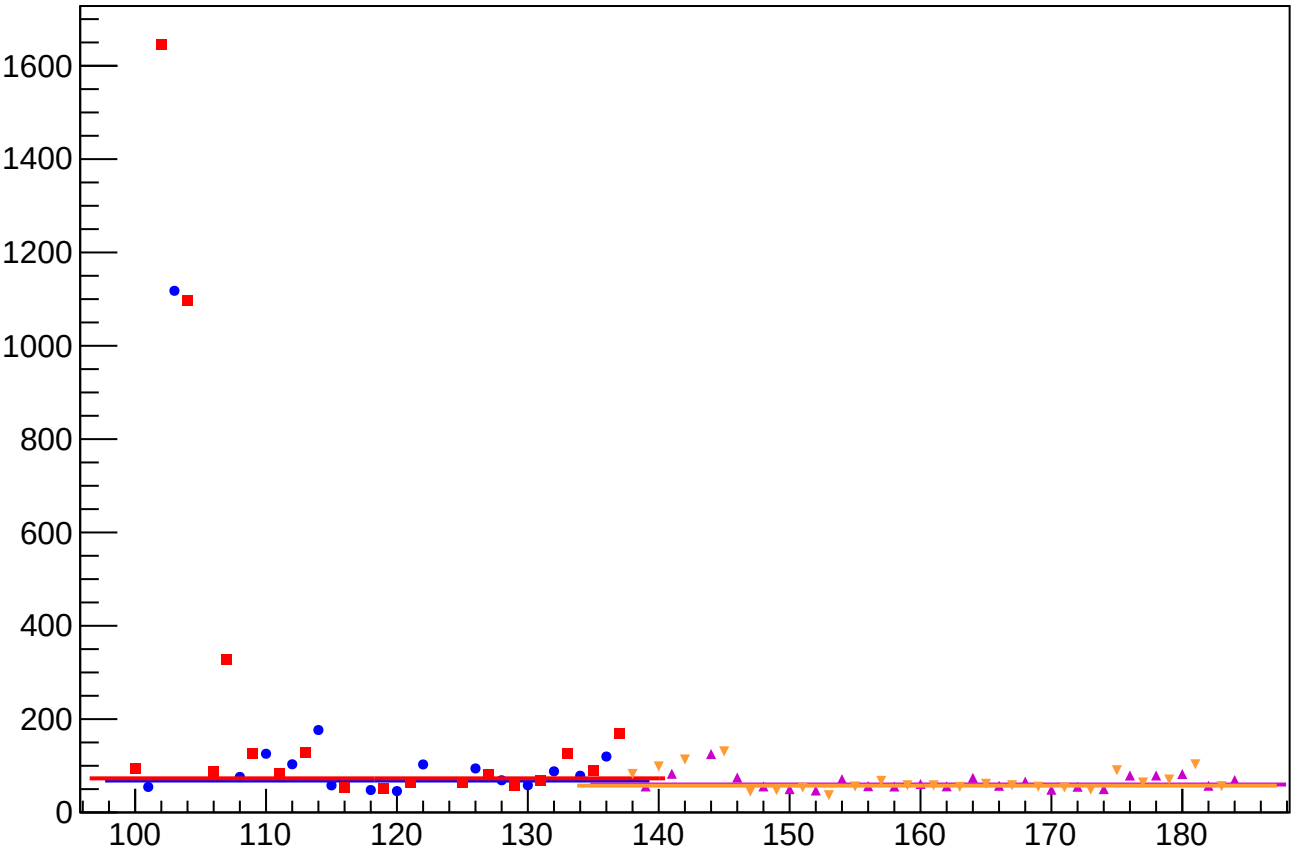
Left: 0.004+/-0.011 χ^2/NDF: 50.5/45

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.004+/-0.014 χ^2/NDF:30.8/38

Out: 0.005+/-0.014 χ^2/NDF:45.9/40

All: 0.005+/-0.010 χ^2/NDF: 76.7/79



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: 59.828+/-0.011 χ^2/NDF:1340700.1/22

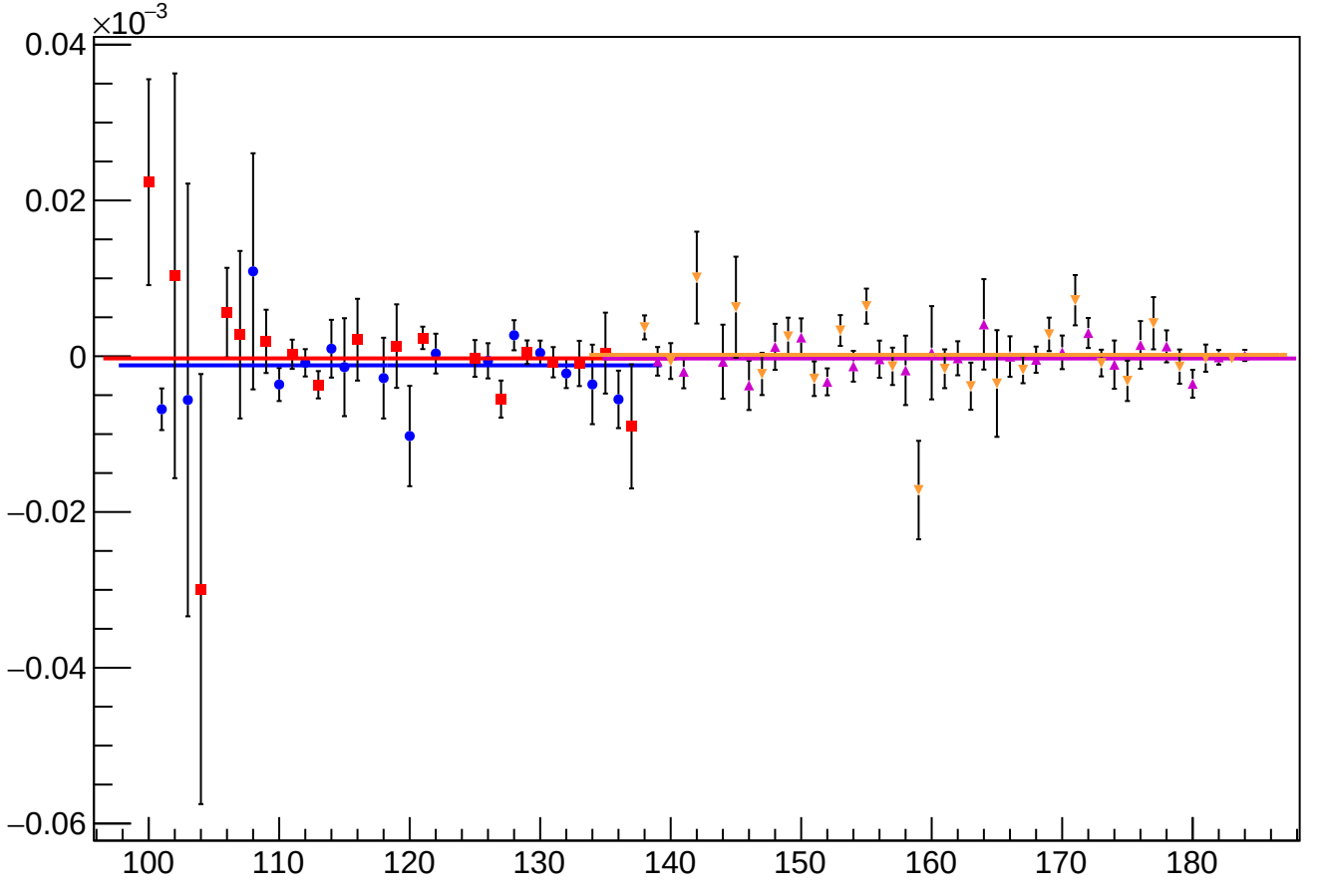
Left: 58.602+/-0.008 χ^2/NDF: 3548401.9/45

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.624+/-0.010 χ^2/NDF:3747565.2/38

Out: 60.094+/-0.010 χ^2/NDF:5458678.4/40

All: 60.862+/-0.007 χ^2/NDF: 9218544.0/79



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:14.9/22

Left: -0.000+/-0.000 χ^2/NDF: 61.3/45

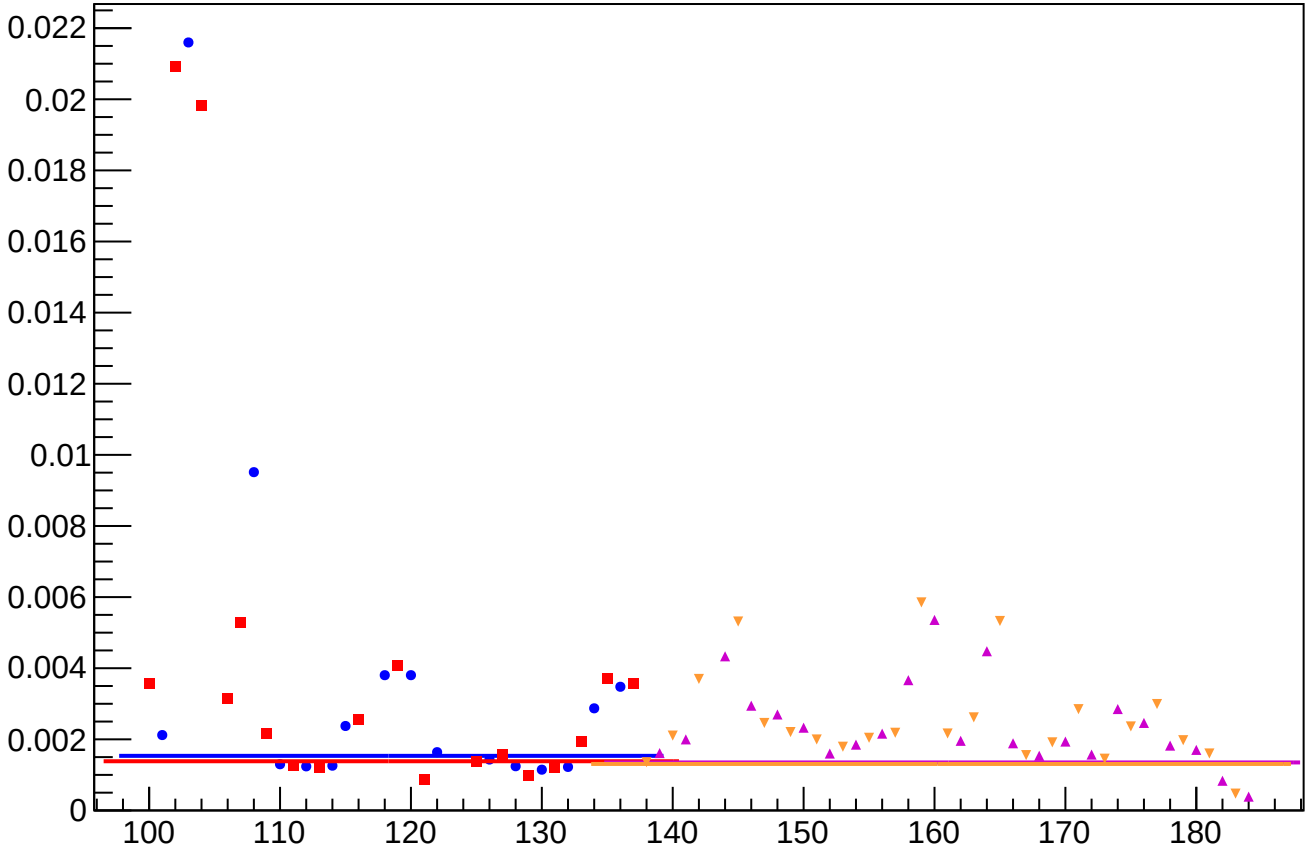
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:32.5/38

Out: 0.000+/-0.000 χ^2/NDF:65.5/40

All: -0.000+/-0.000 χ^2/NDF: 99.6/79

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:11260106.4/22

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

Left: 0.001+/-0.000 χ^2/NDF: 21519834.5/45

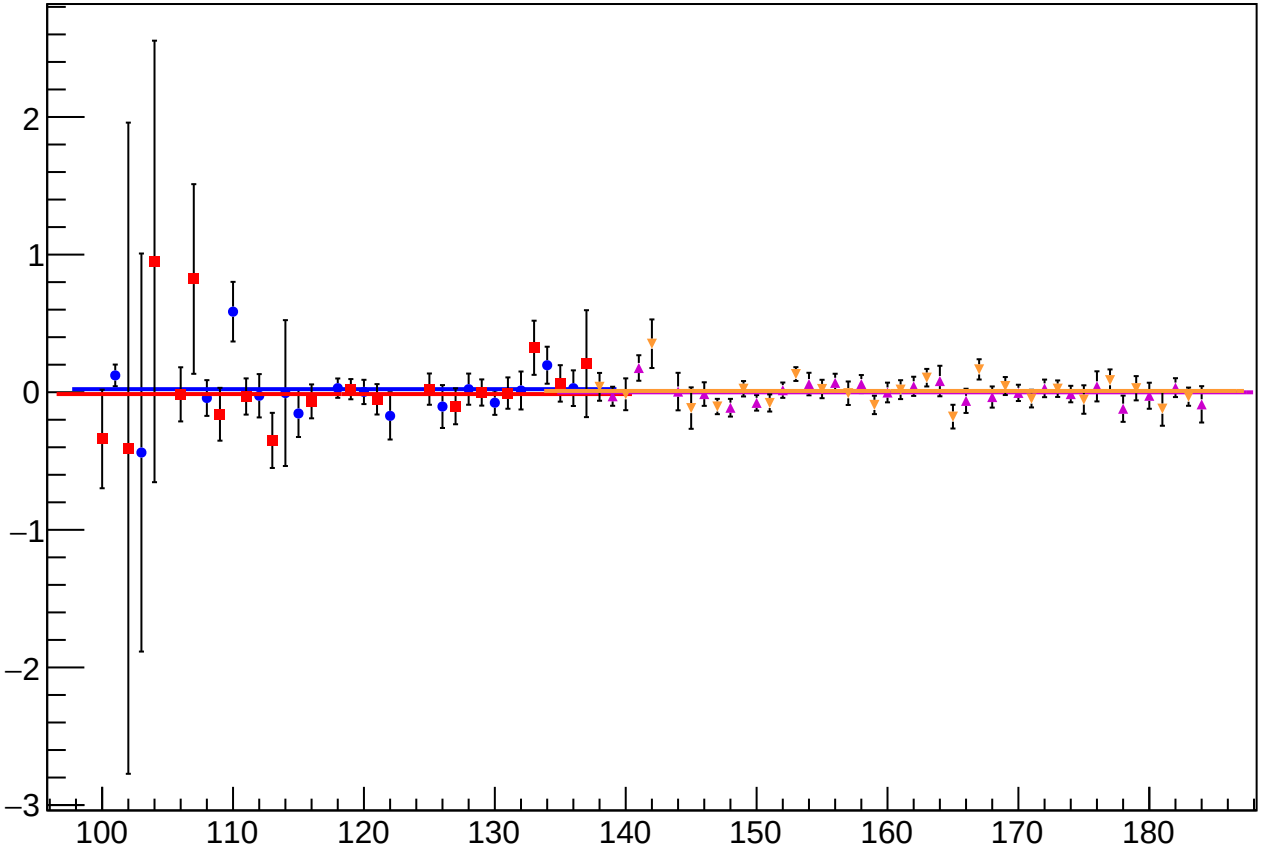
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.001+/-0.000 χ^2/NDF:13738324.3/38

Out: 0.001+/-0.000 χ^2/NDF:15550534.9/40

All: 0.001+/-0.000 χ^2/NDF: 29333019.2/79

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: -0.001+/-0.015 χ^2/NDF:15.6/22

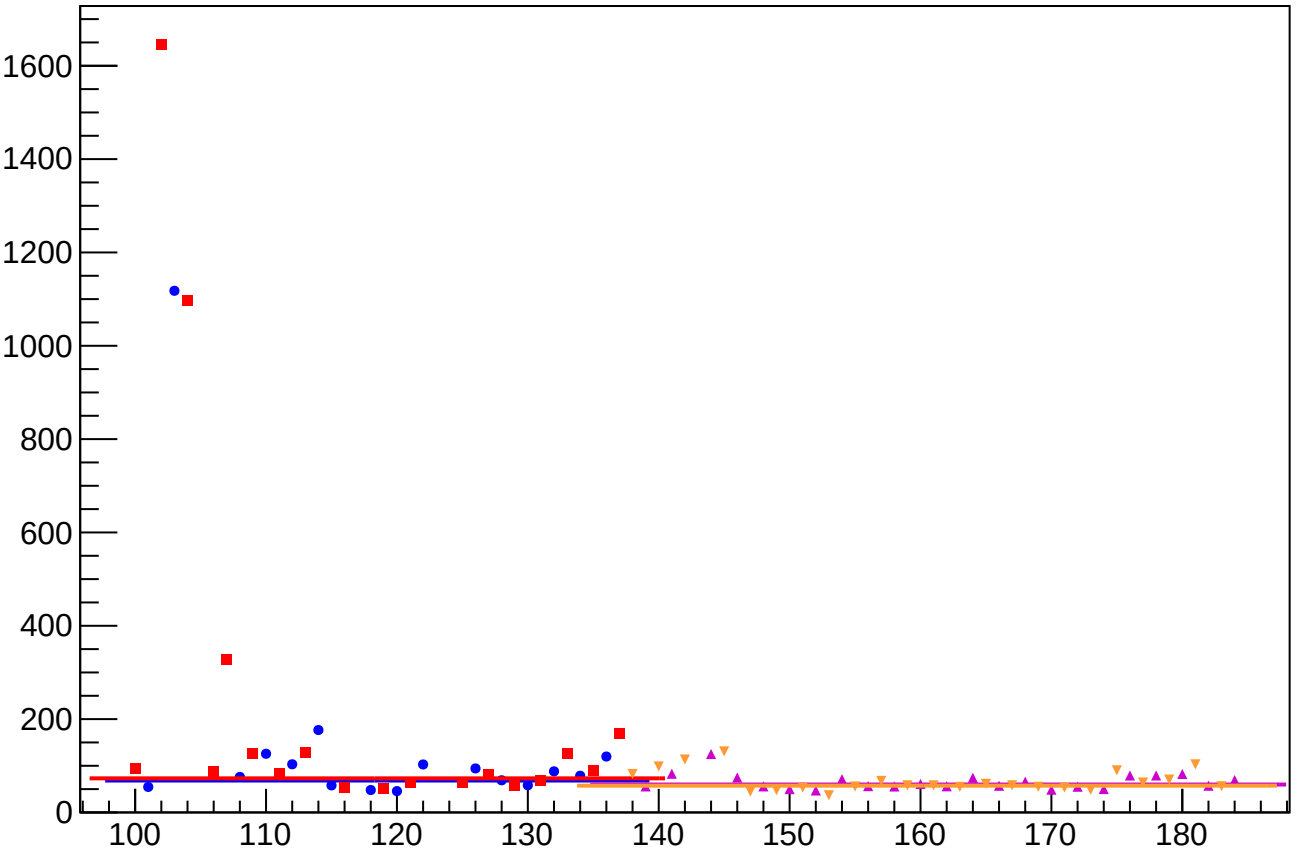
Left: 0.004+/-0.011 χ^2/NDF: 50.5/45

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.004+/-0.014 χ^2/NDF:30.8/38

Out: 0.005+/-0.014 χ^2/NDF:45.9/40

All: 0.005+/-0.010 χ^2/NDF: 76.7/79



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: 59.828+/-0.011 χ^2/NDF:1340684.6/22

Left: 58.603+/-0.008 χ^2/NDF: 3548464.1/45

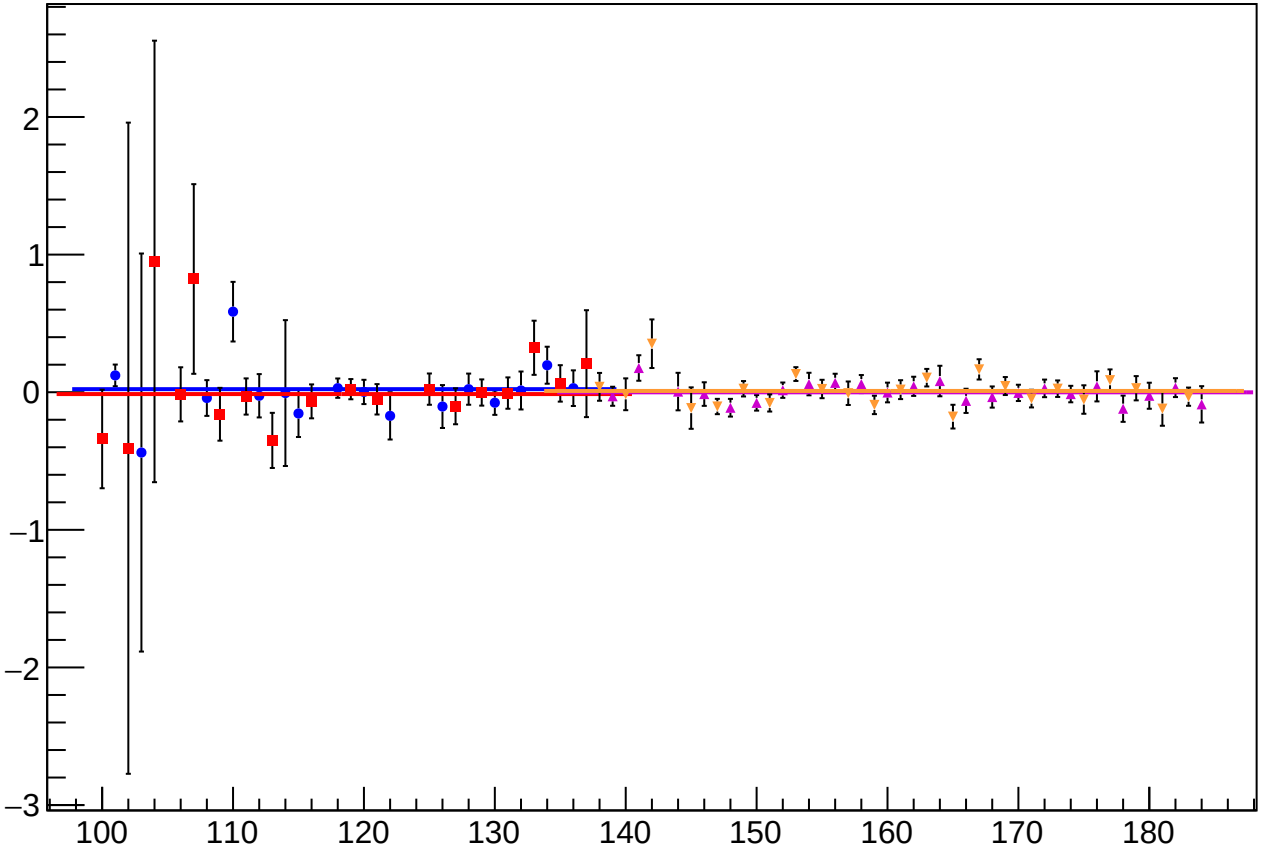
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.624+/-0.010 χ^2/NDF:3747601.8/38

Out: 60.094+/-0.010 χ^2/NDF:5458744.0/40

All: 60.862+/-0.007 χ^2/NDF: 9218646.5/79

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/22

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

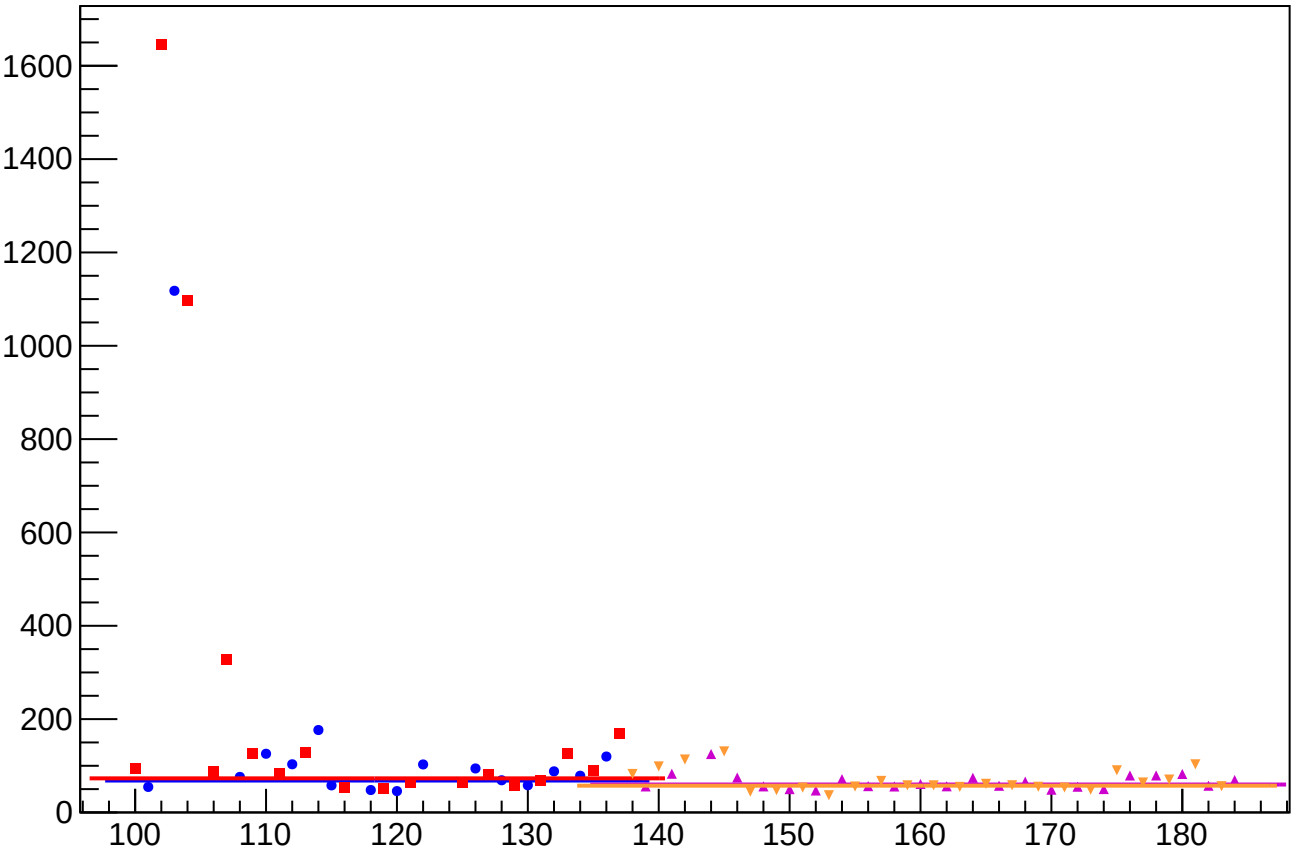
Left: 0.004+/-0.011 χ^2/NDF: 50.5/45

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.004+/-0.014 χ^2/NDF:30.8/38

Out: 0.005+/-0.014 χ^2/NDF:45.9/40

All: 0.005+/-0.010 χ^2/NDF: 76.7/79



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: 59.828+/-0.011 χ^2/NDF:1340684.6/22

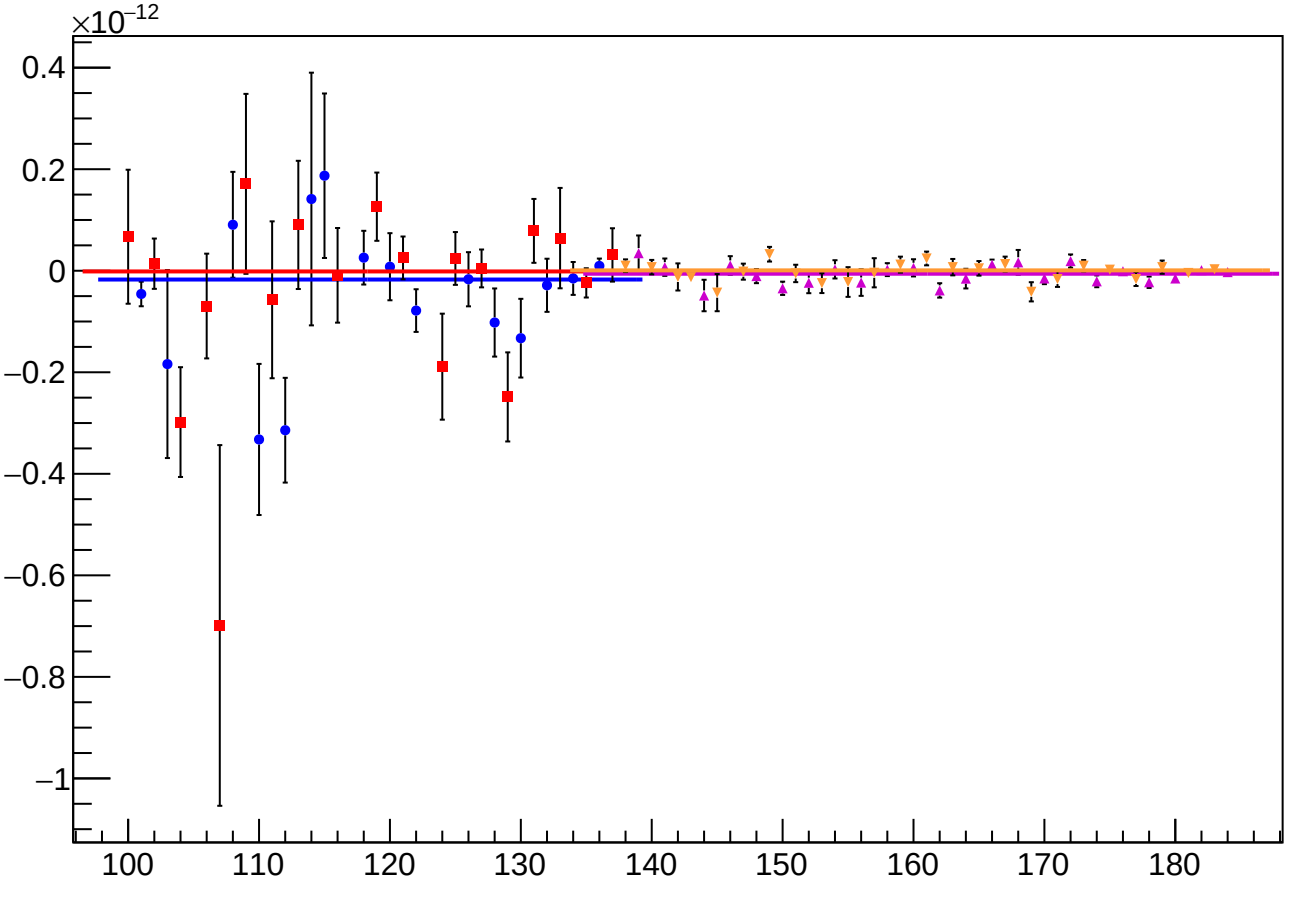
Left: 58.603+/-0.008 χ^2/NDF: 3548464.1/45

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.624+/-0.010 χ^2/NDF:3747601.8/38

Out: 60.094+/-0.010 χ^2/NDF:5458744.0/40

All: 60.862+/-0.007 χ^2/NDF: 9218646.5/79



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:32.6/22

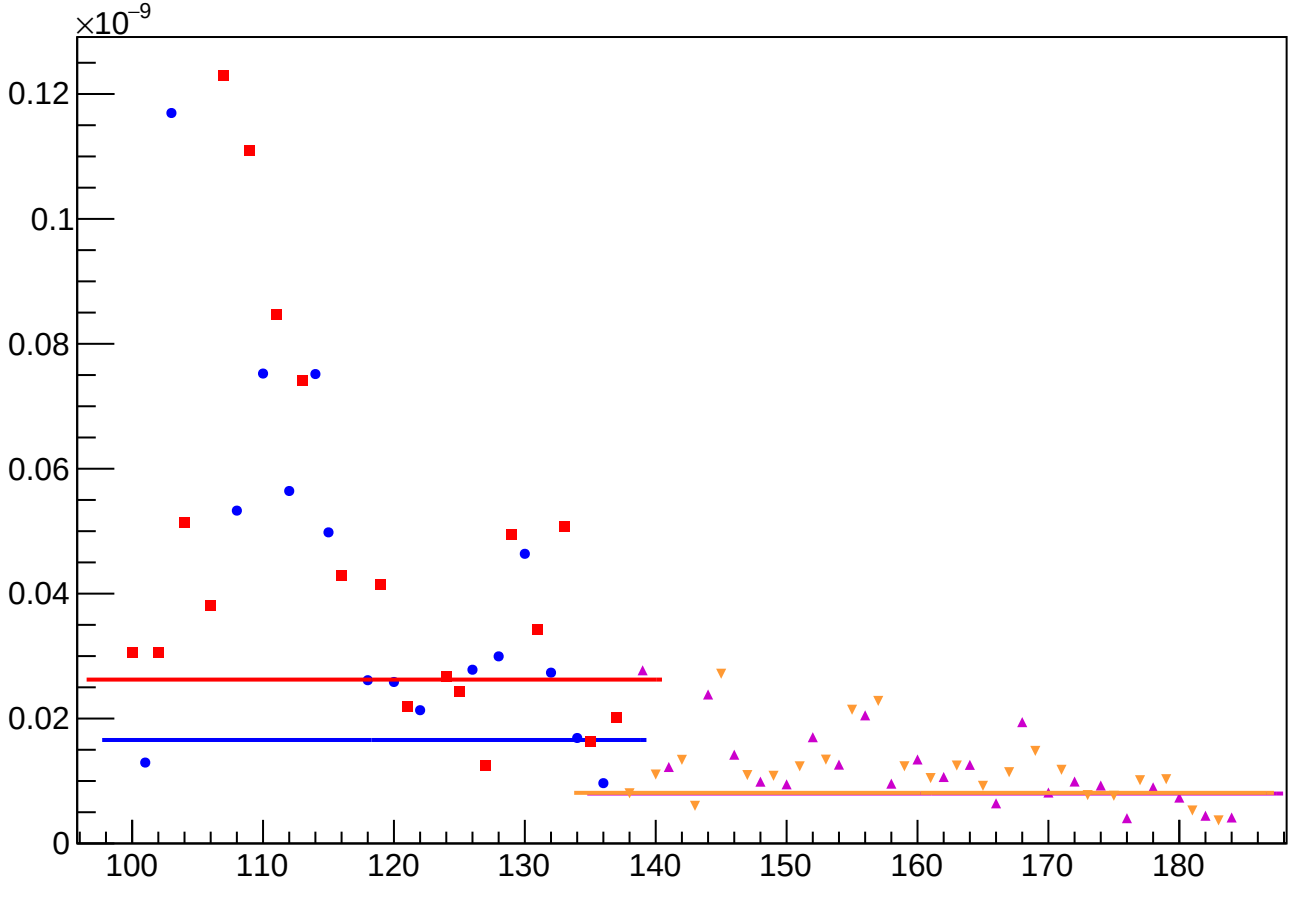
Left: -0.000+/-0.000 χ^2/NDF: 61.5/46

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:62.1/38

Out: 0.000+/-0.000 χ^2/NDF:57.9/42

All: -0.000+/-0.000 χ^2/NDF: 124.2/81



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:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 9982426.9/46

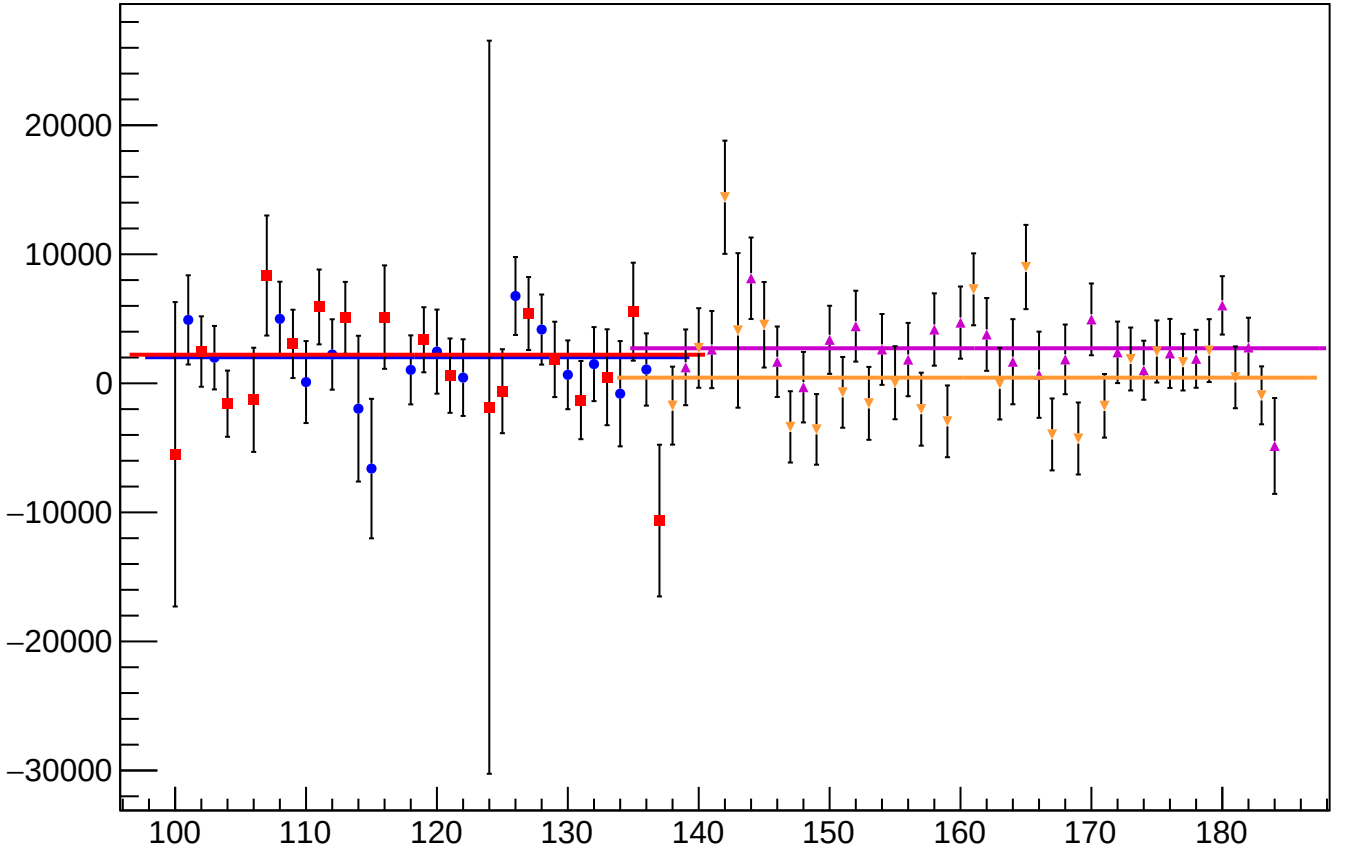
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:9396762.9/38

Out: 0.000+/-0.000 χ^2/NDF:10275586.3/42

All: 0.000+/-0.000 χ^2/NDF: 19675495.1/81

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: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1571.778+/-399.316 χ^2/NDF: 64.1/46

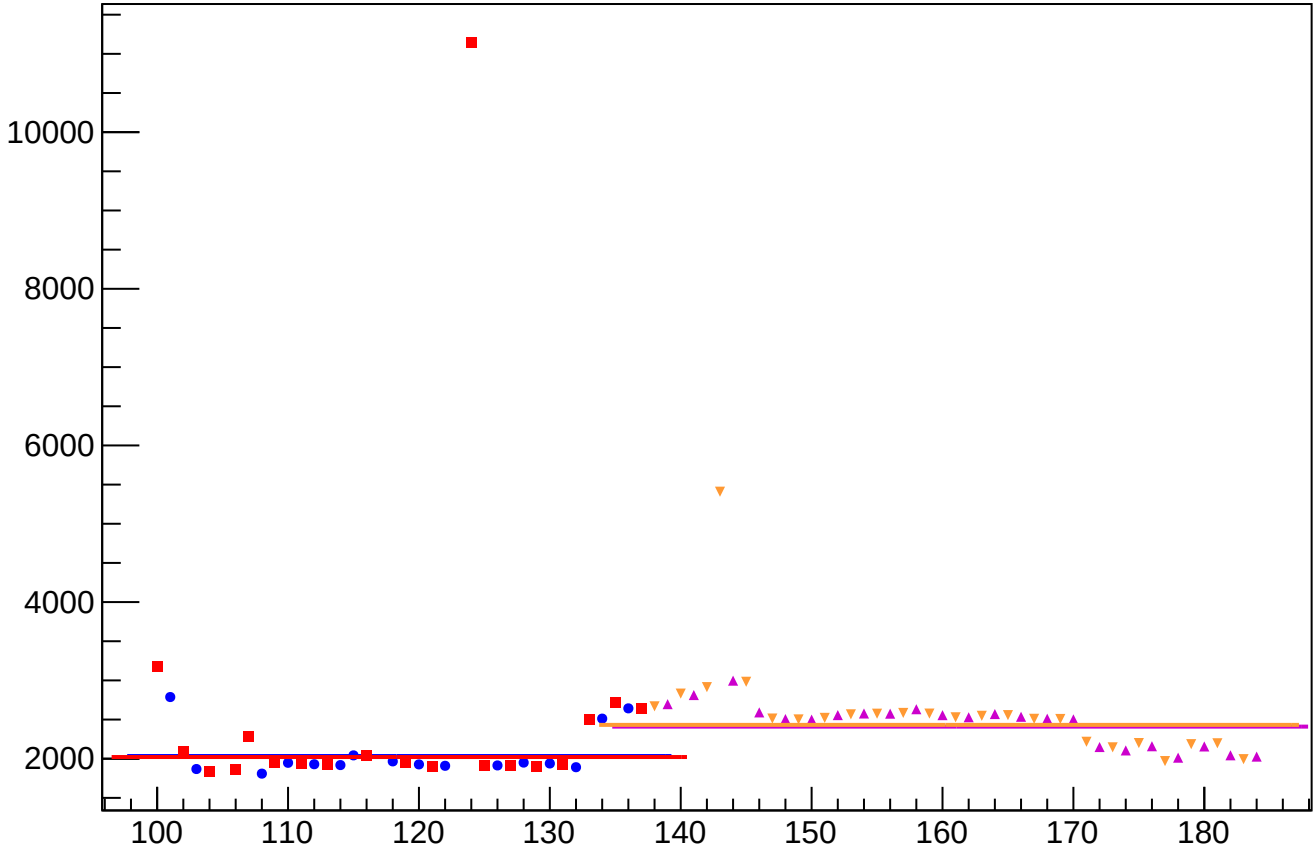
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2470.486+/-454.972 χ^2/NDF:24.4/38

Out: 1073.766+/-451.701 χ^2/NDF:63.3/42

All: 1767.087+/-320.551 χ^2/NDF: 92.5/81

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: 2409.820+/-0.400 χ^2/NDF:428364.2/22

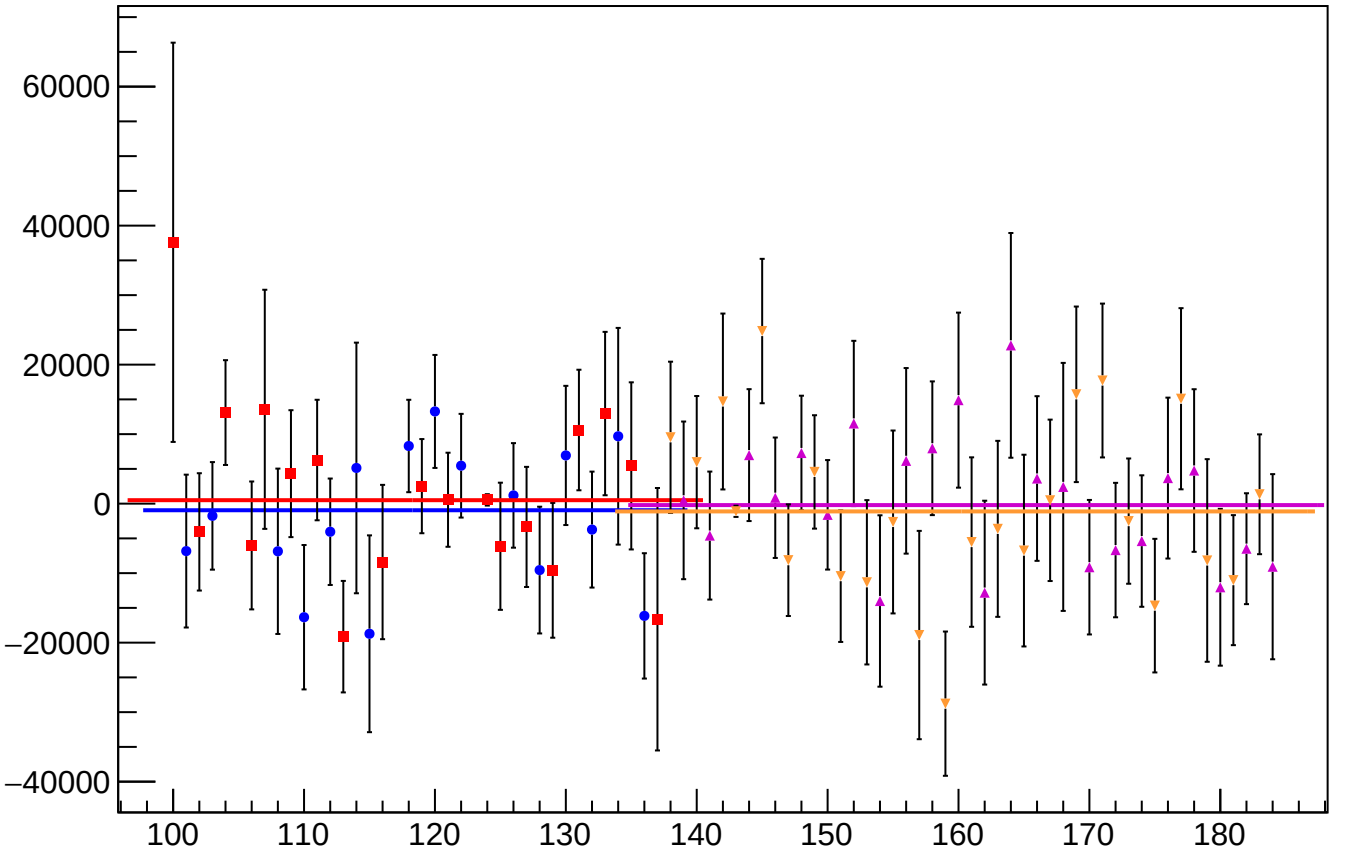
Left: 2420.975+/-0.282 χ^2/NDF: 1353499.5/46

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2276.721+/-0.322 χ^2/NDF:1003254.5/38

Out: 2285.533+/-0.319 χ^2/NDF:1692957.4/42

All: 2281.159+/-0.227 χ^2/NDF: 2696589.7/81



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1118.134+/-758.754 χ^2/NDF:30.8/23

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

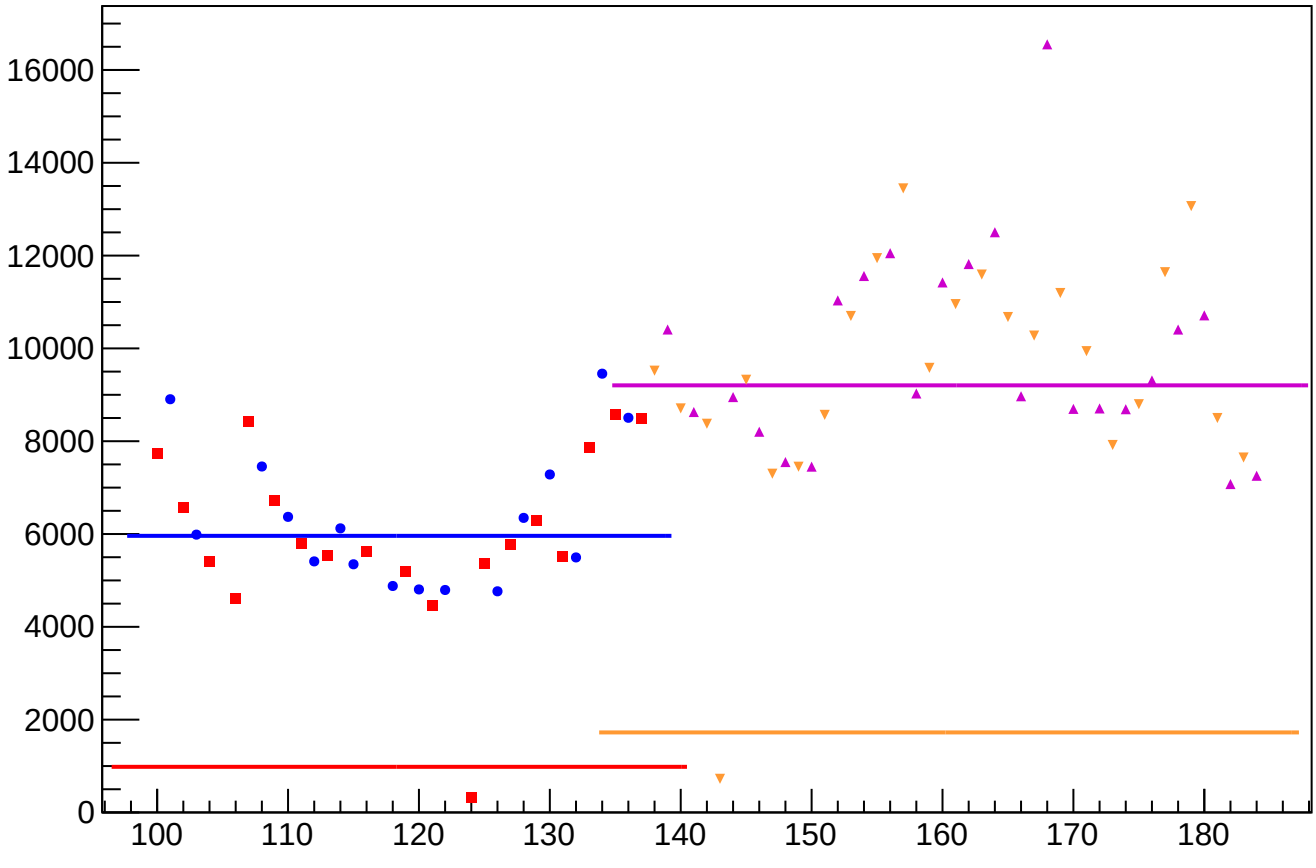
Left: -1021.171+/-717.120 χ^2/NDF: 44.4/46

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: -566.268+/-1580.827 χ^2/NDF:28.8/38

Out: -320.478+/-539.859 χ^2/NDF:51.5/42

All: -346.150+/-510.889 χ^2/NDF: 80.3/81



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: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2522.940+/-0.507 χ^2/NDF: 49436229.7/46

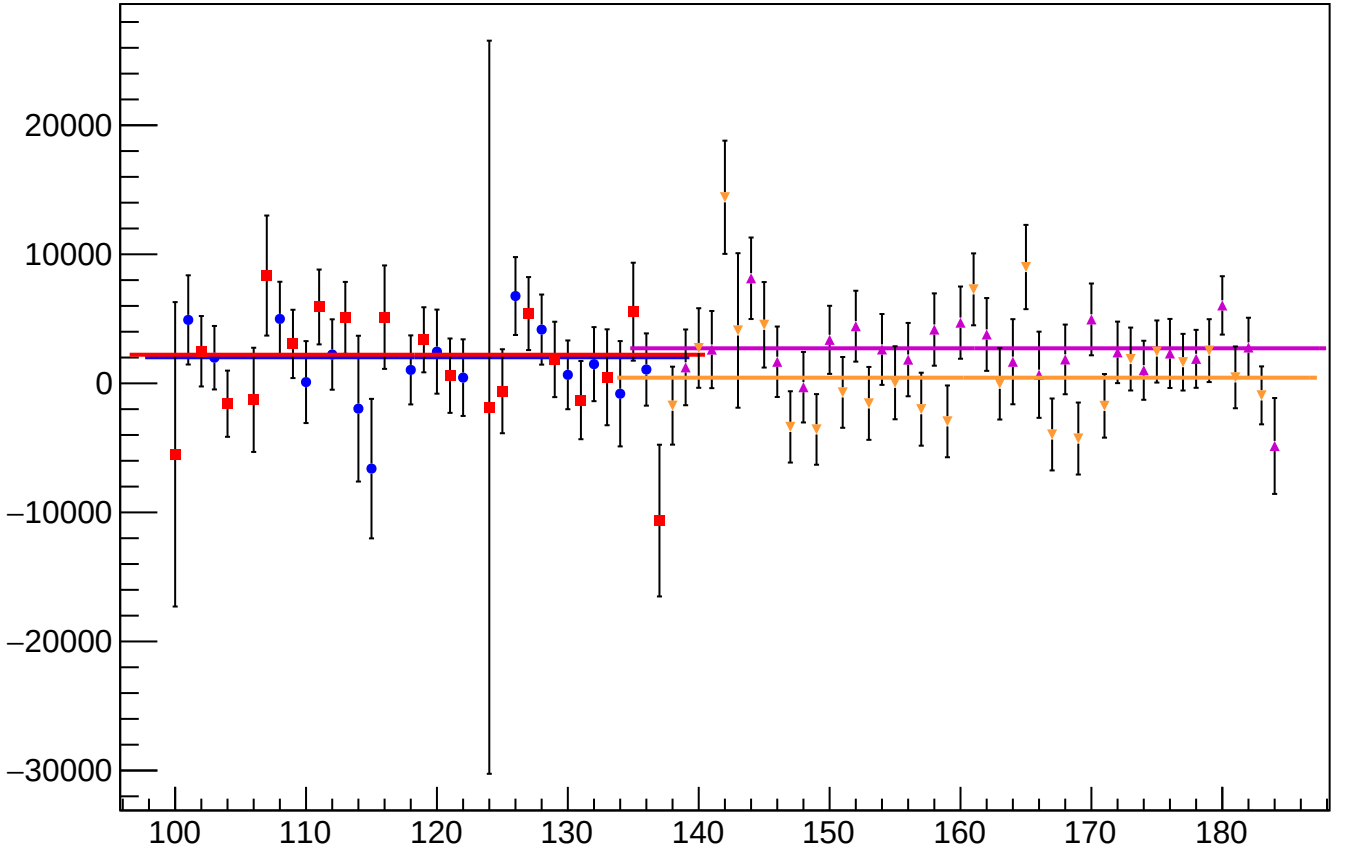
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7642.770+/-1.118 χ^2/NDF:4062588.5/38

Out: 1358.630+/-0.382 χ^2/NDF:39783337.7/42

All: 2014.972+/-0.361 χ^2/NDF: 72149779.7/8

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: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1571.750+/-399.316 χ^2/NDF: 64.1/46

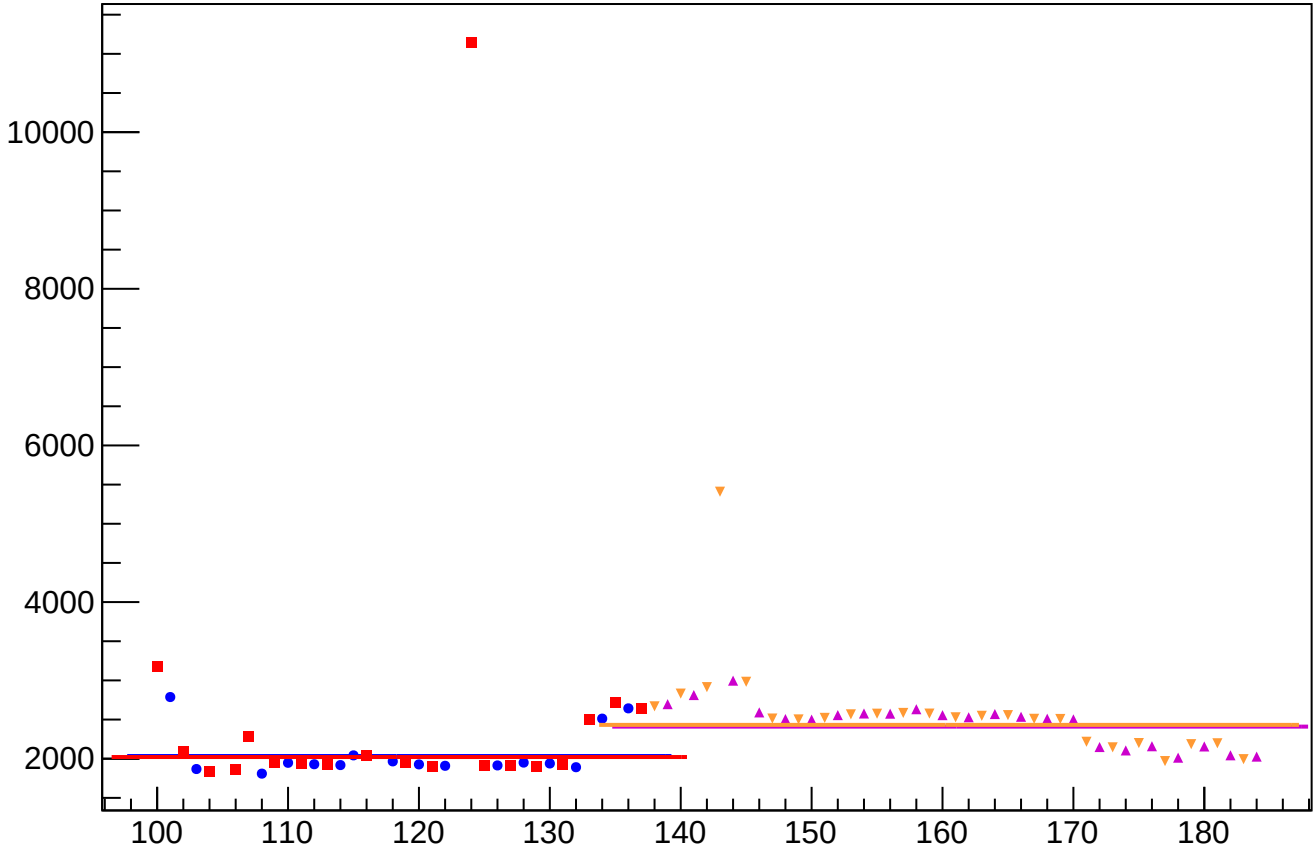
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2470.506+/-454.972 χ^2/NDF:24.4/38

Out: 1074.401+/-451.703 χ^2/NDF:63.4/42

All: 1767.420+/-320.552 χ^2/NDF: 92.5/81

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: 2409.820+/-0.400 χ^2/NDF:428364.2/22

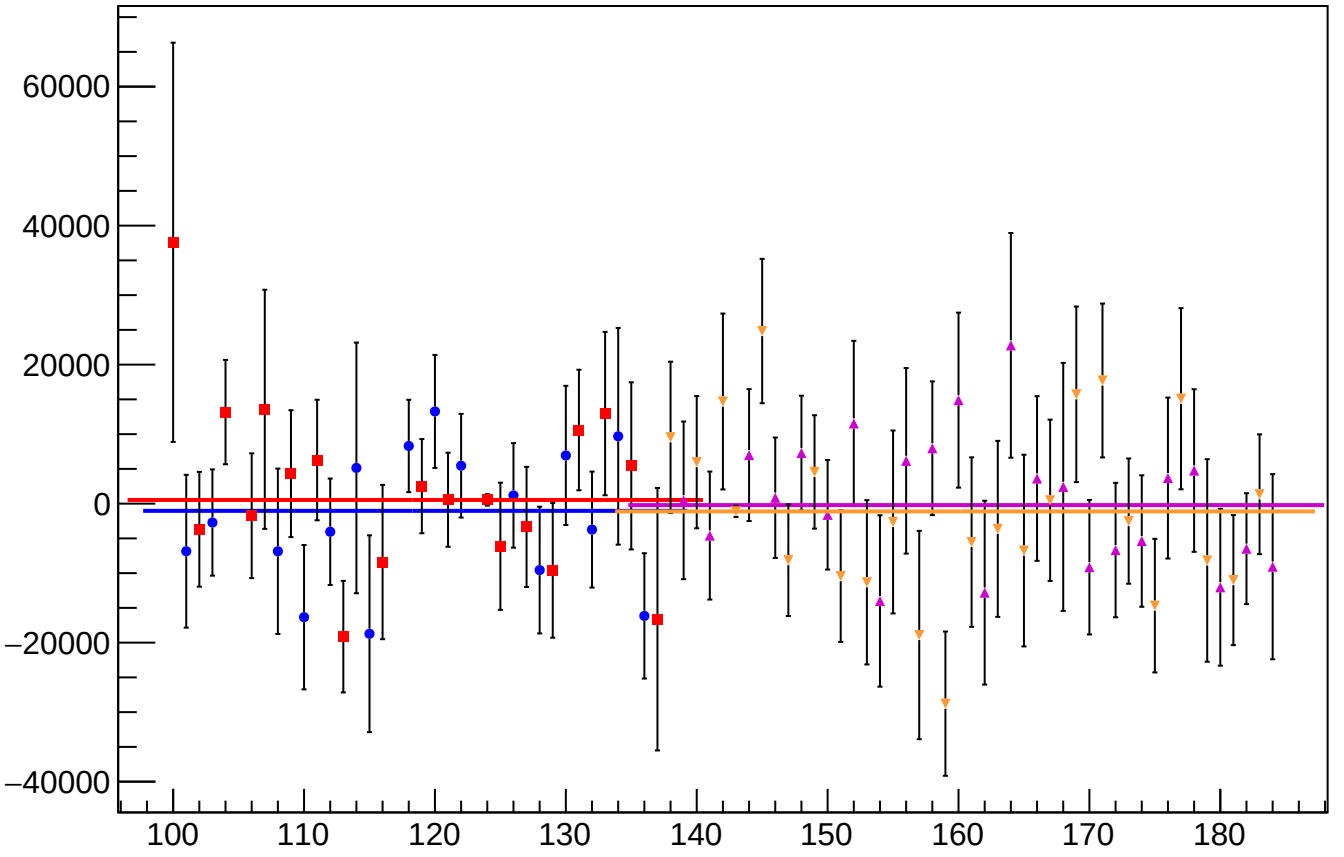
Left: 2420.975+/-0.282 χ^2/NDF: 1353499.4/46

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2276.721+/-0.322 χ^2/NDF:1003254.6/38

Out: 2285.543+/-0.319 χ^2/NDF:1692924.5/42

All: 2281.164+/-0.227 χ^2/NDF: 2696557.7/81



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: -209.500+/-2195.055 χ^2/NDF:13.4/22

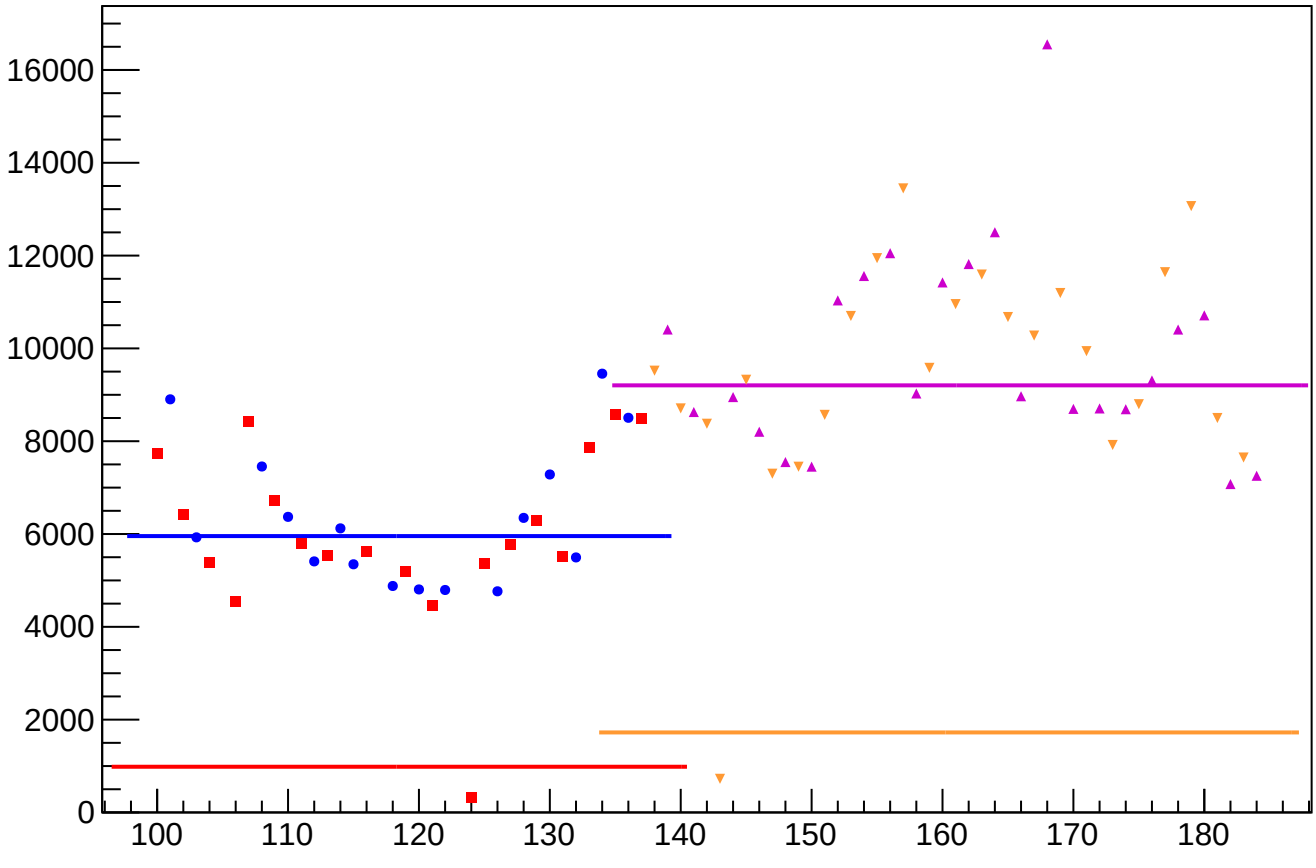
Left: -1020.962+/-717.065 χ^2/NDF: 44.4/46

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -608.695+/-1580.040 χ^2/NDF:28.8/38

Out: -303.617+/-539.718 χ^2/NDF:51.2/42

All: -335.494+/-510.743 χ^2/NDF: 80.1/81



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: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

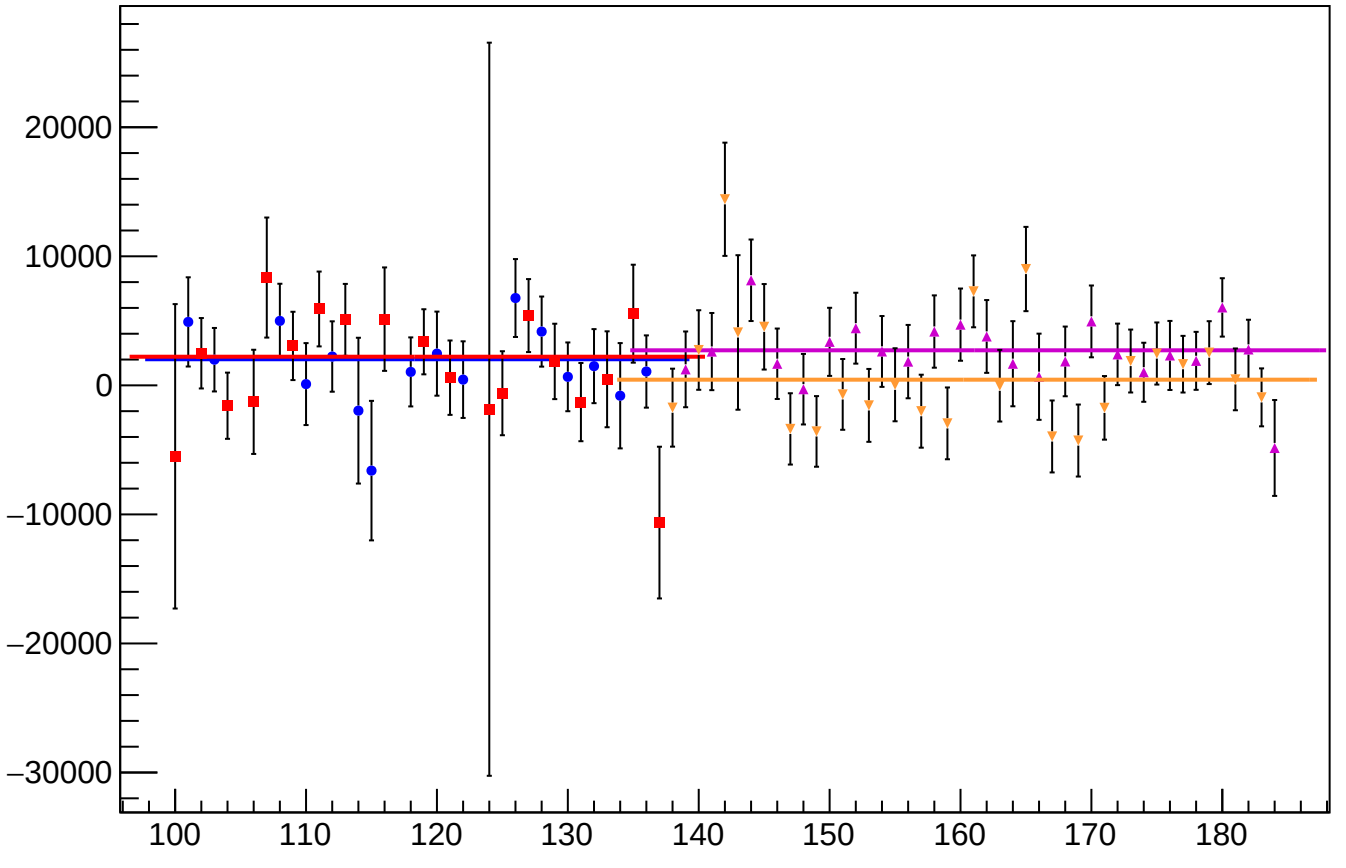
Left: 2522.611+/-0.507 χ^2/NDF: 49438902.2/46

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7638.605+/-1.117 χ^2/NDF:4071413.8/38

Out: 1359.234+/-0.382 χ^2/NDF:39776031.5/42

All: 2015.356+/-0.361 χ^2/NDF: 72135115.6/8



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: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1571.750+/-399.316 χ^2/NDF: 64.1/46

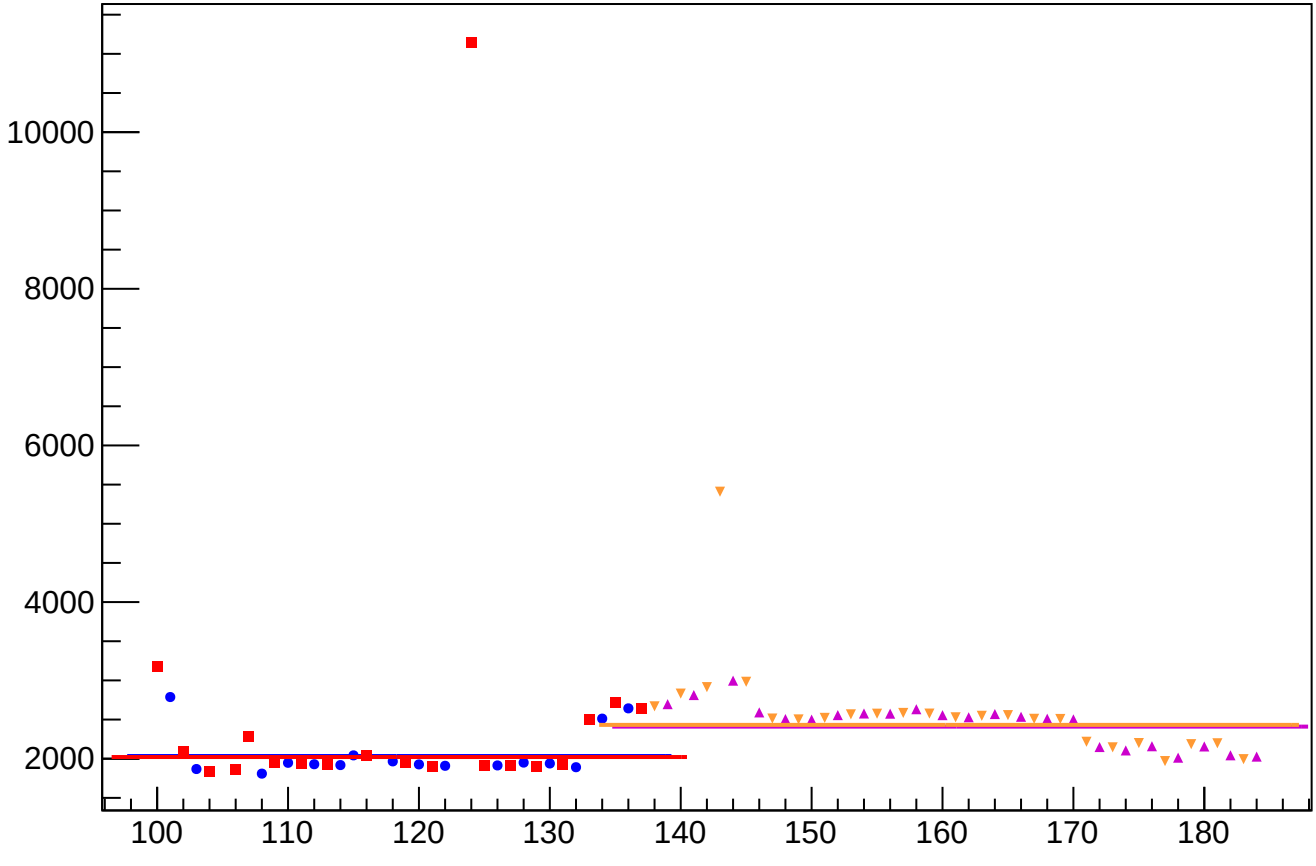
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2470.506+/-454.972 χ^2/NDF:24.4/38

Out: 1074.401+/-451.703 χ^2/NDF:63.4/42

All: 1767.420+/-320.552 χ^2/NDF: 92.5/81

eigen_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: 2409.820+/-0.400 χ^2/NDF:428364.2/22

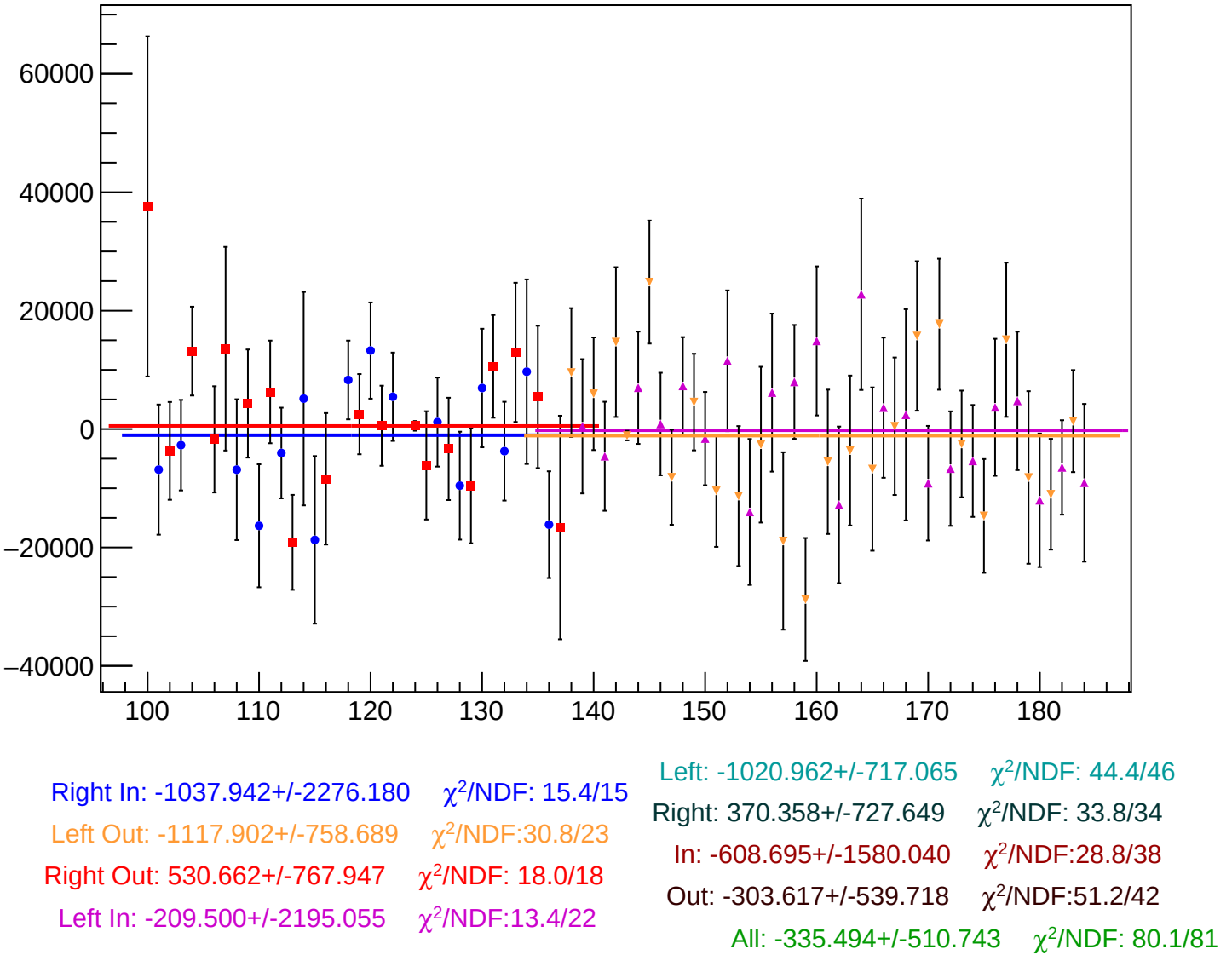
Left: 2420.975+/-0.282 χ^2/NDF: 1353499.4/46

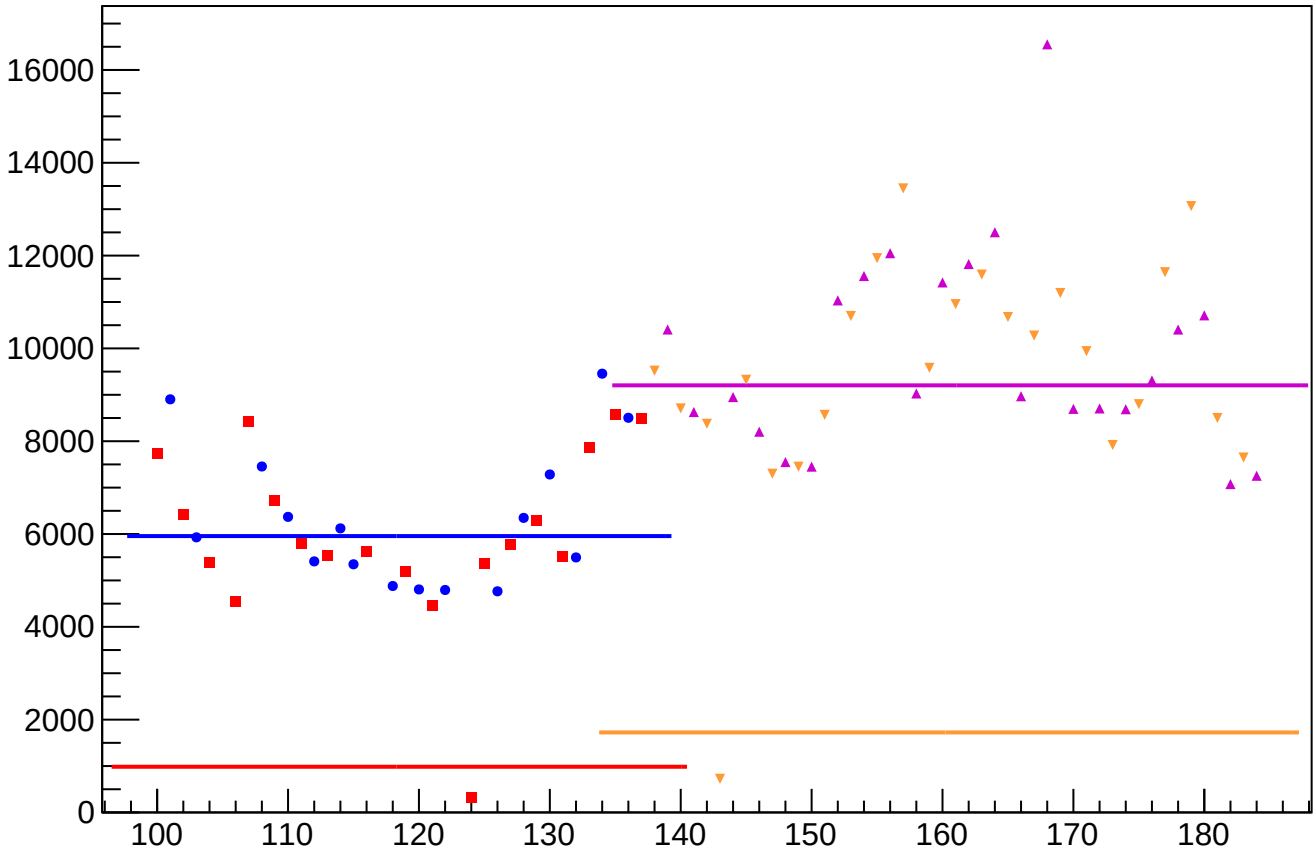
Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2276.721+/-0.322 χ^2/NDF:1003254.6/38

Out: 2285.543+/-0.319 χ^2/NDF:1692924.5/42

All: 2281.164+/-0.227 χ^2/NDF: 2696557.7/81


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: -209.500+/-2195.055 χ²/NDF:13.4/22
Left: -1020.962+/-717.065 χ²/NDF: 44.4/46
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -608.695+/-1580.040 χ²/NDF:28.8/38
Out: -303.617+/-539.718 χ²/NDF:51.2/42
All: -335.494+/-510.743 χ²/NDF: 80.1/81



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: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2522.611+/-0.507 χ^2/NDF: 49438902.2/46

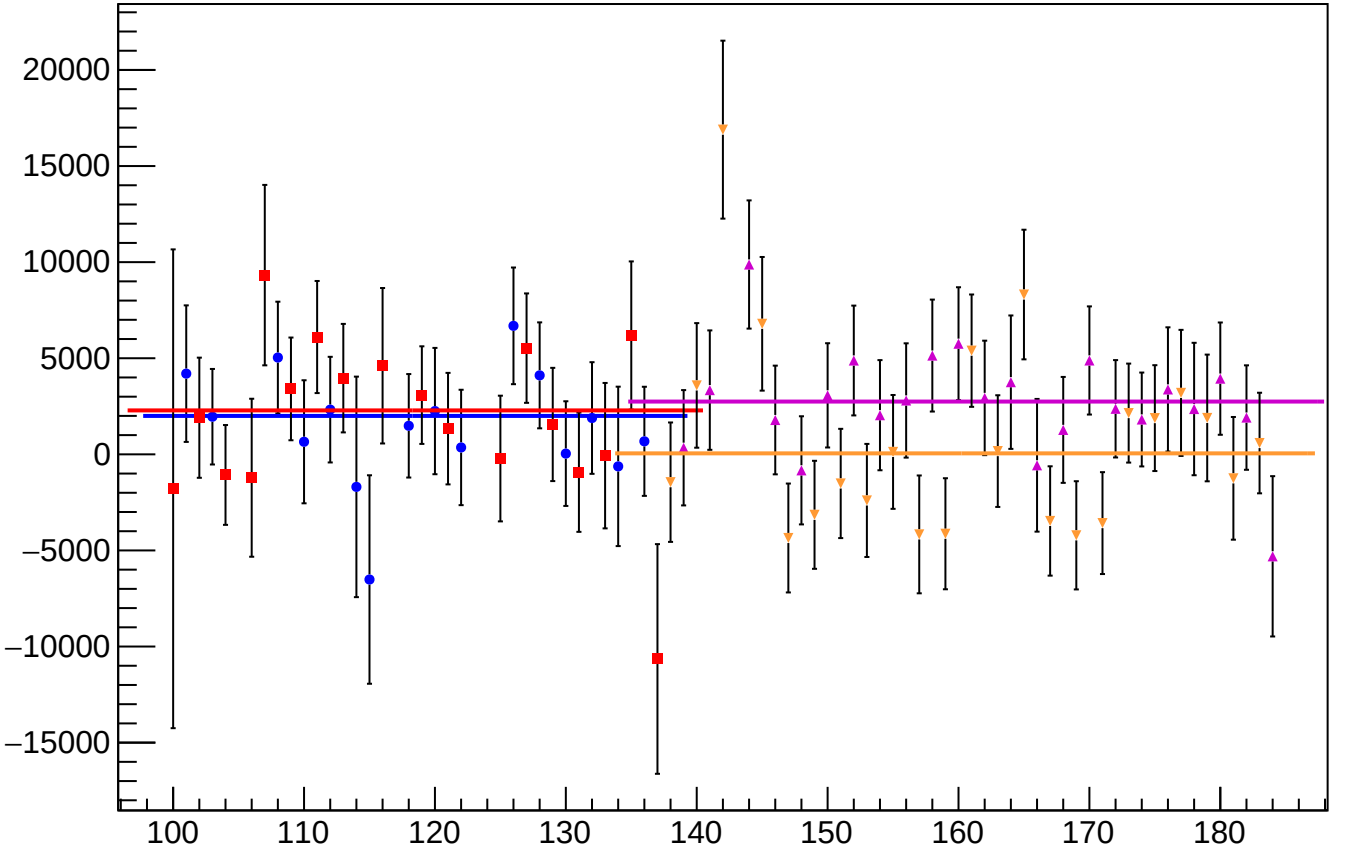
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7638.605+/-1.117 χ^2/NDF:4071413.8/38

Out: 1359.234+/-0.382 χ^2/NDF:39776031.5/42

All: 2015.356+/-0.361 χ^2/NDF: 72135115.6/8

dit_asym_atl2_mean vs Slug, Sign Corrected



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: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1410.913+/-437.668 χ^2/NDF: 69.6/45

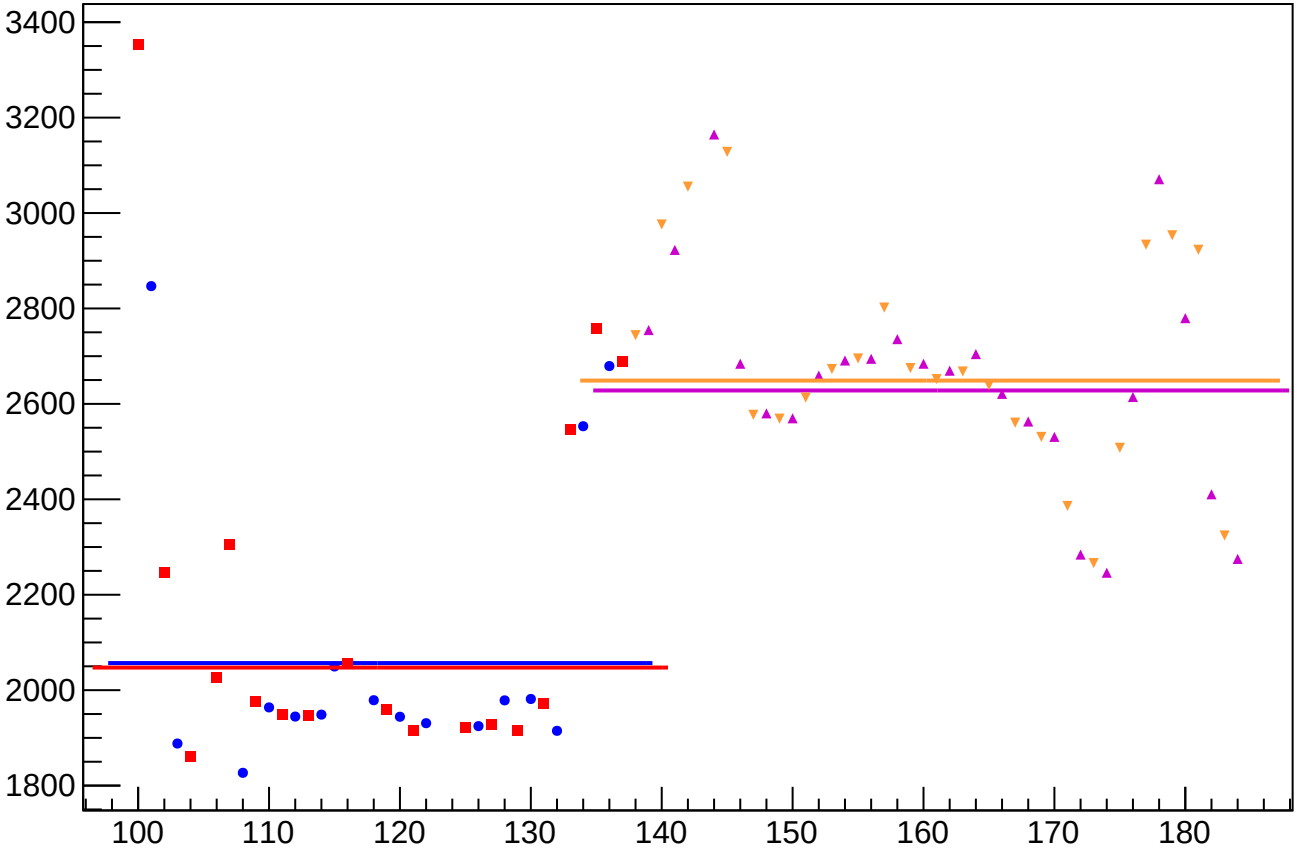
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2456.117+/-481.933 χ^2/NDF:25.0/38

Out: 931.396+/-484.097 χ^2/NDF:66.5/40

All: 1697.171+/-341.540 χ^2/NDF: 96.4/79

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: 2628.113+/-0.436 χ^2/NDF:237507.6/22

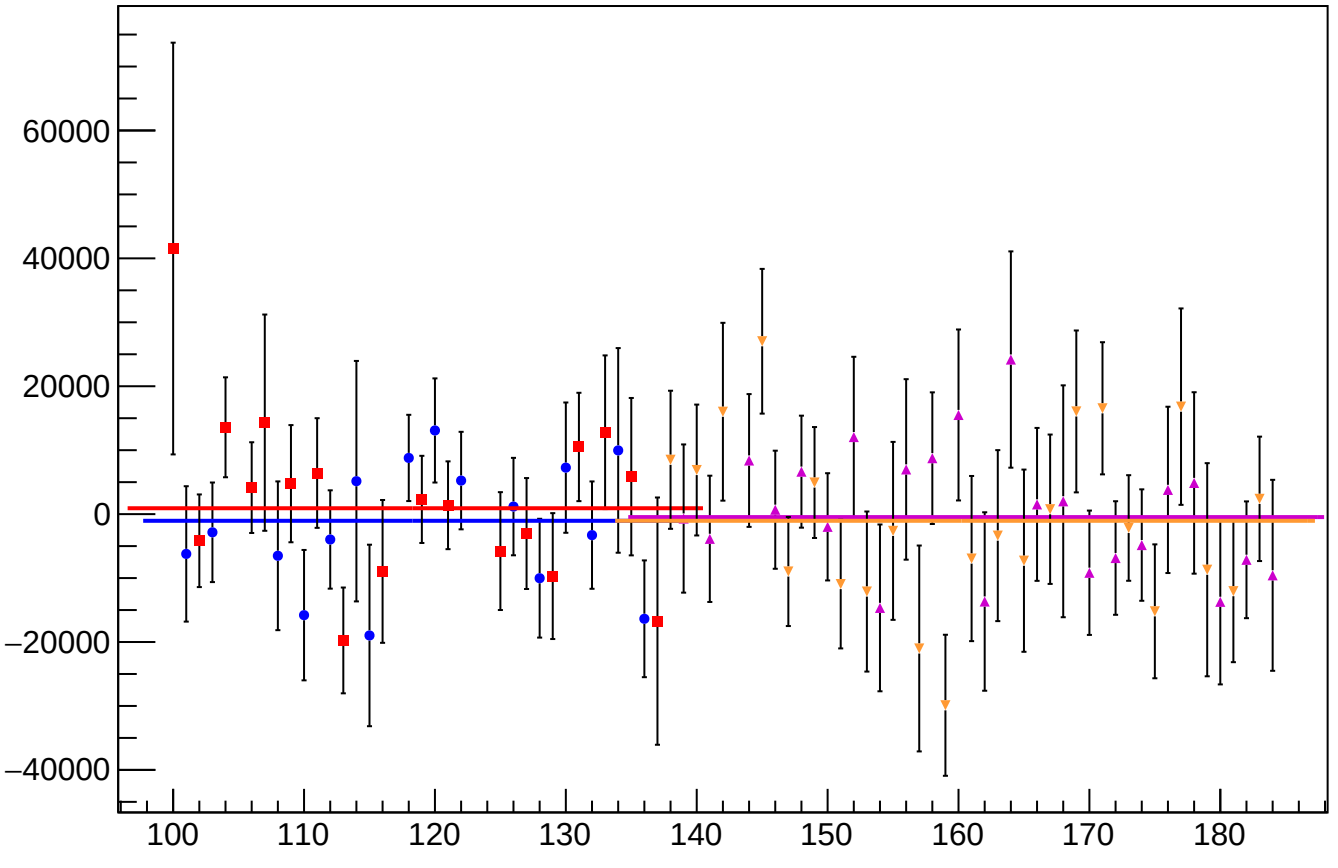
Left: 2638.400+/-0.309 χ^2/NDF: 475547.3/45

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2406.351+/-0.341 χ^2/NDF:1175477.0/38

Out: 2411.504+/-0.342 χ^2/NDF:1171921.3/40

All: 2408.917+/-0.241 χ^2/NDF: 2347512.2/79



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -1042.432+/-2347.973 χ^2/NDF:30.2/22

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

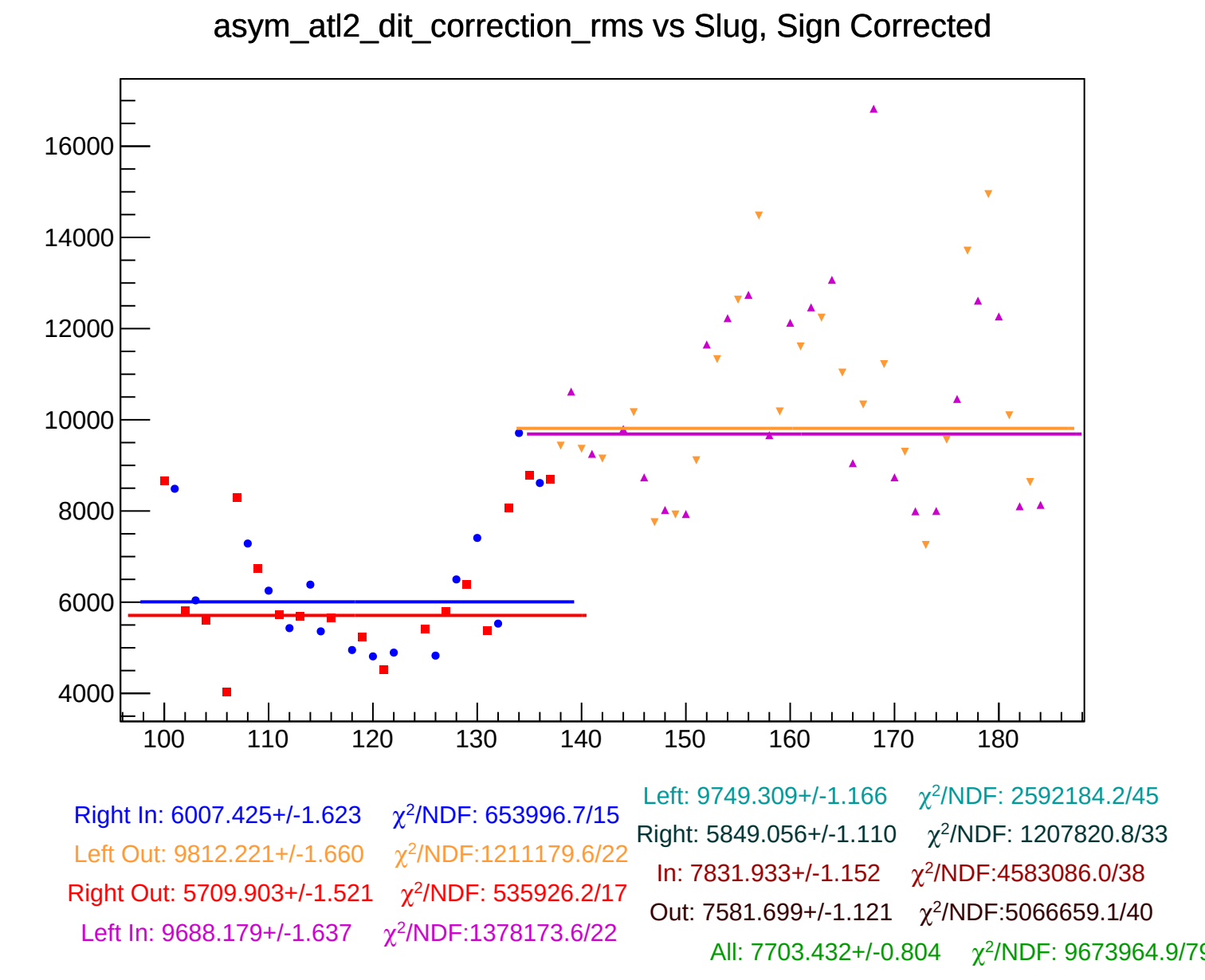
Left: -748.947+/-1648.298 χ^2/NDF: 43.3/45

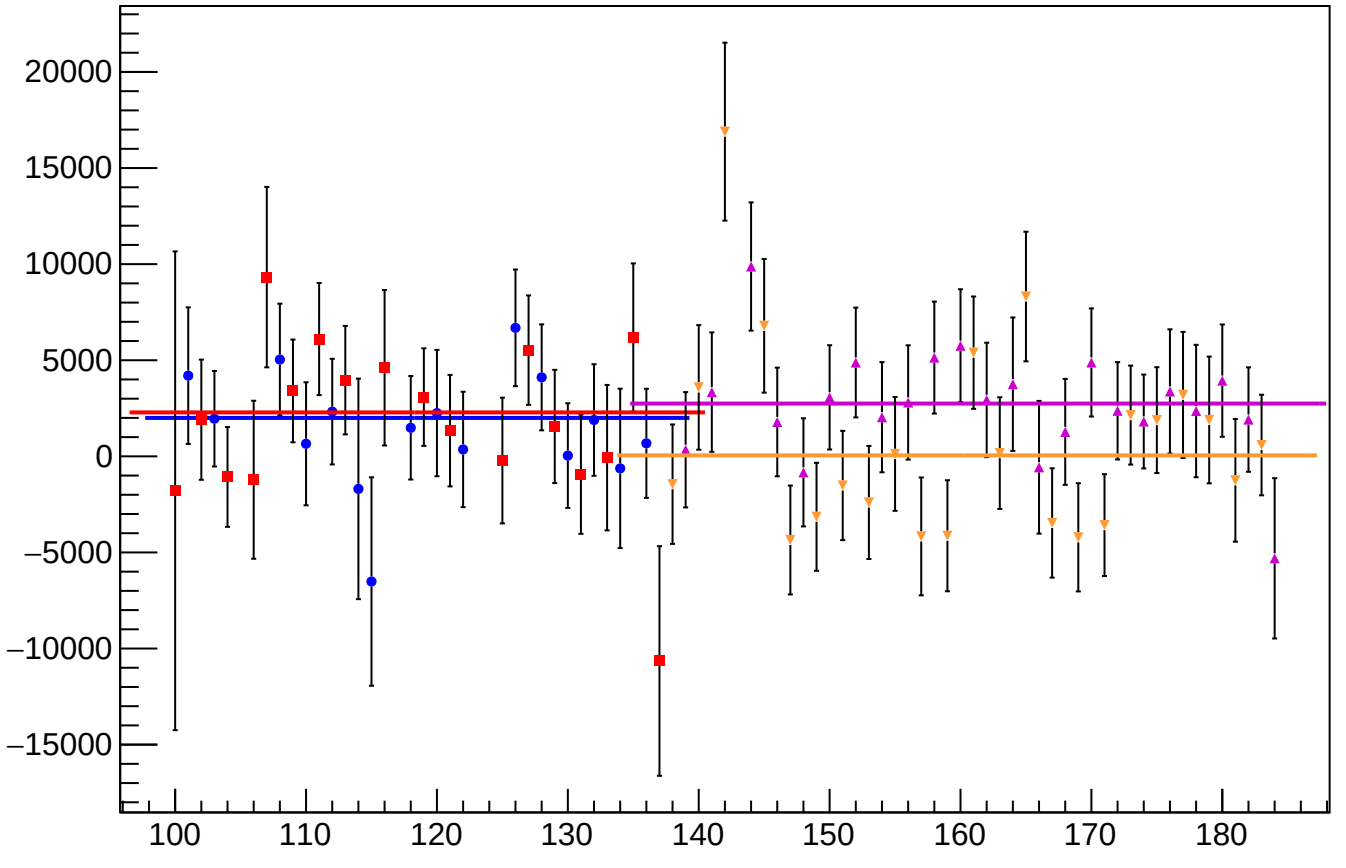
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -755.640+/-1629.512 χ^2/NDF:28.4/38

Out: 24.403+/-1586.017 χ^2/NDF:49.0/40

All: -355.069+/-1136.549 χ^2/NDF: 77.5/79


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: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9749.309+/-1.166 χ²/NDF: 2592184.2/45
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 7831.933+/-1.152 χ²/NDF:4583086.0/38
Out: 7581.699+/-1.121 χ²/NDF:5066659.1/40
All: 7703.432+/-0.804 χ²/NDF: 9673964.9/79



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: 2745.980+/-616.124 χ^2/NDF:15.4/22

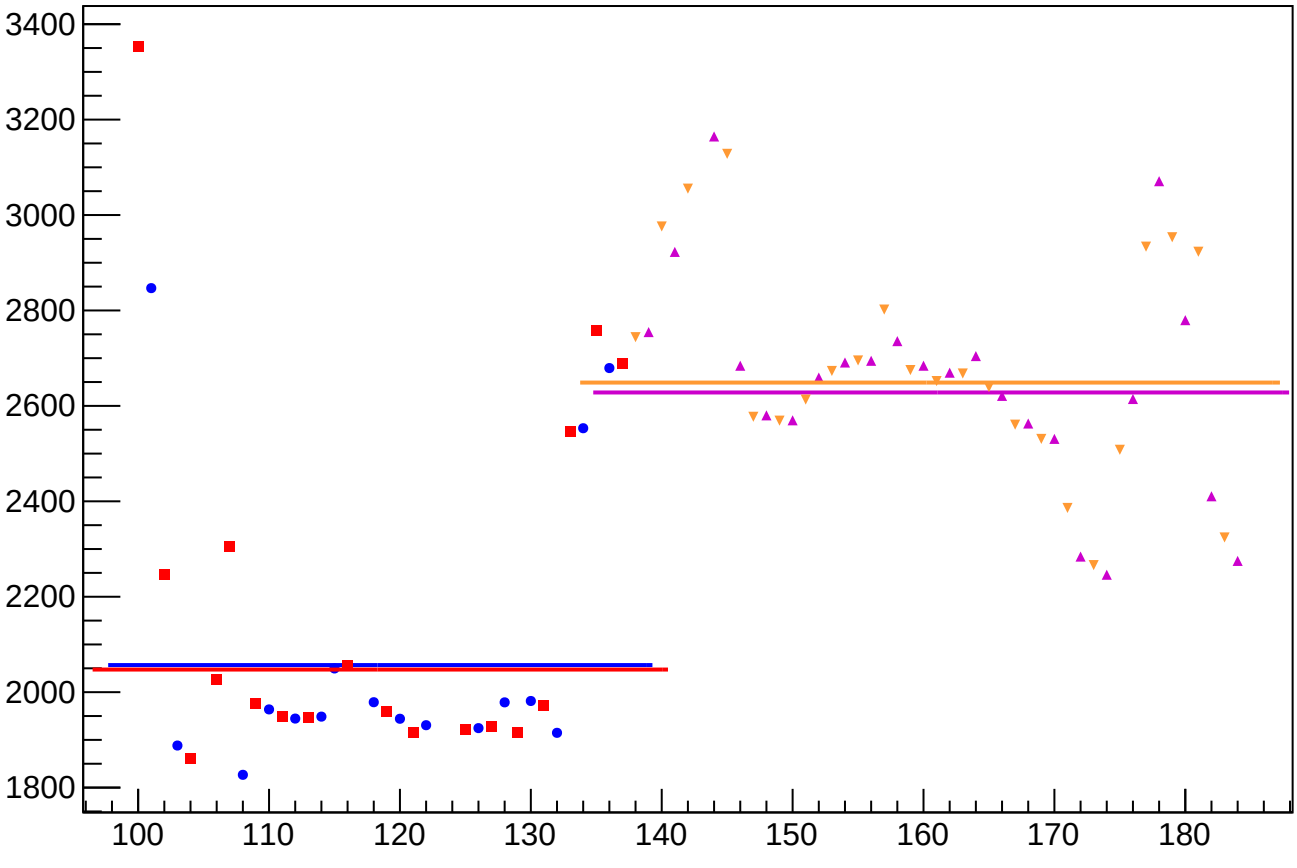
Left: 1410.908+/-437.668 χ^2/NDF: 69.6/45

Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2456.117+/-481.933 χ^2/NDF:25.0/38

Out: 931.393+/-484.097 χ^2/NDF:66.5/40

All: 1697.170+/-341.541 χ^2/NDF: 96.4/79



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: 2628.116+/-0.436 χ^2/NDF:237516.8/22

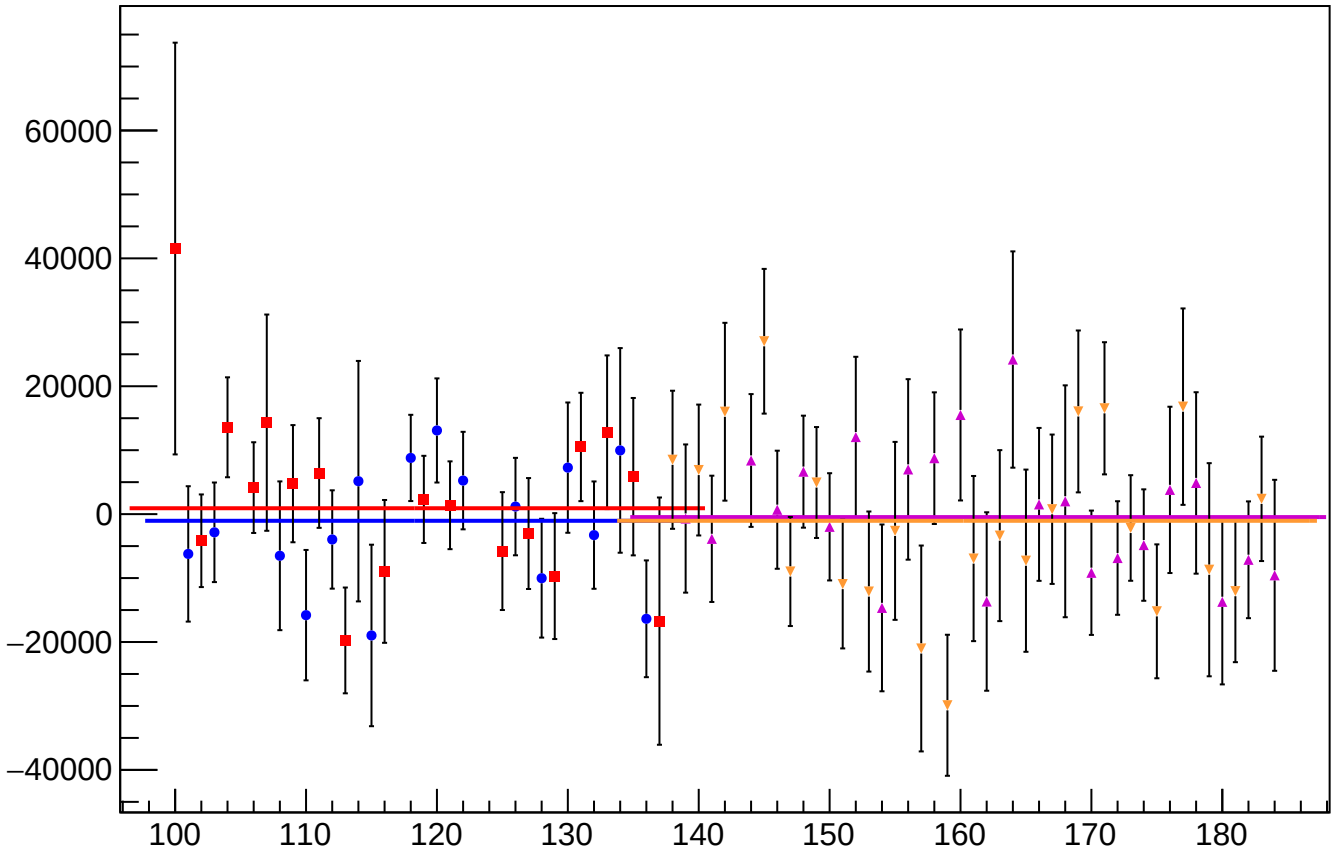
Left: 2638.402+/-0.309 χ^2/NDF: 475566.5/45

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2406.352+/-0.341 χ^2/NDF:1175490.6/38

Out: 2411.505+/-0.342 χ^2/NDF:1171936.7/40

All: 2408.918+/-0.241 χ^2/NDF: 2347541.2/79



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: -463.777+/-2314.482 χ^2/NDF:13.1/22

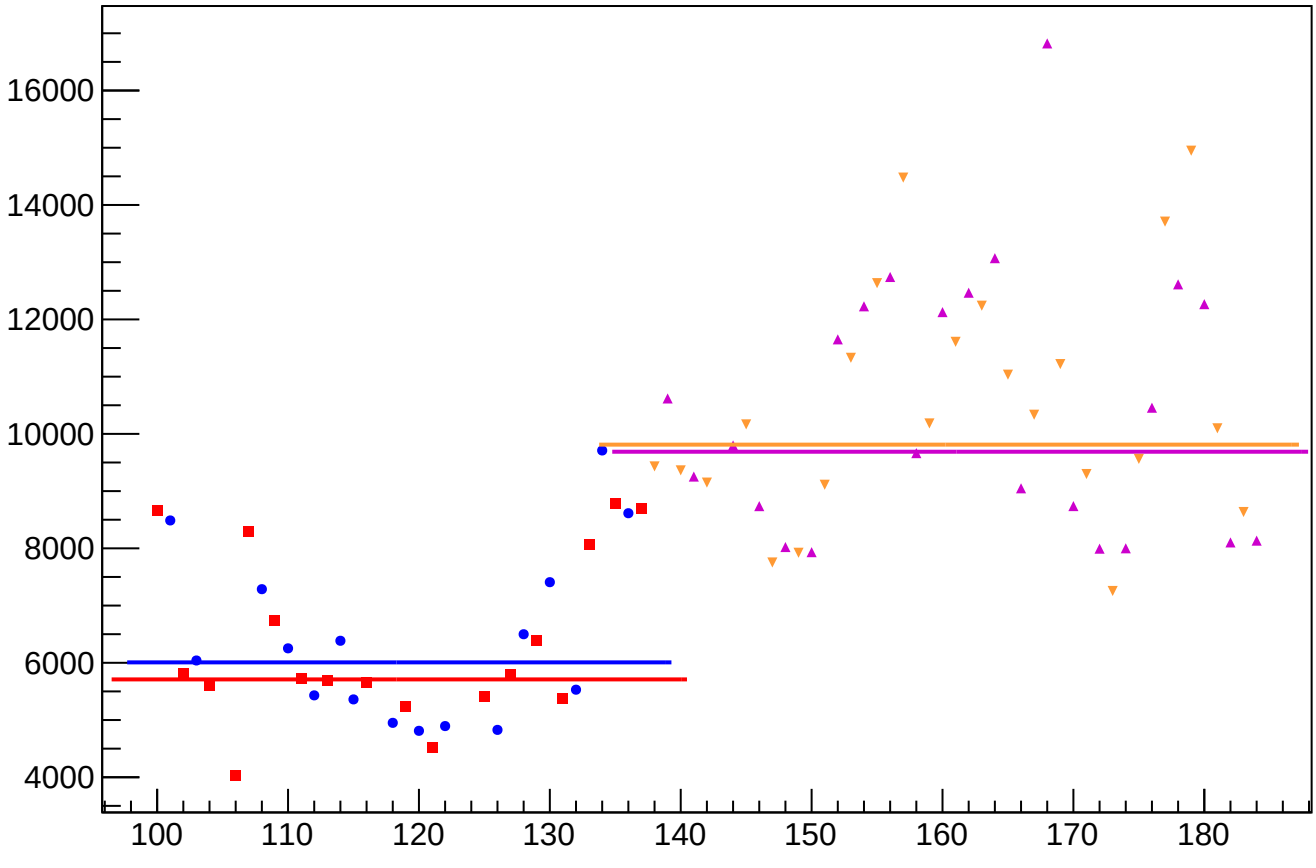
Left: -748.952+/-1648.301 χ^2/NDF: 43.3/45

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -755.636+/-1629.511 χ^2/NDF:28.4/38

Out: 24.406+/-1586.015 χ^2/NDF:49.0/40

All: -355.066+/-1136.548 χ^2/NDF: 77.5/79



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: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

Left: 9749.325+/-1.166 χ^2/NDF: 2592186.2/45

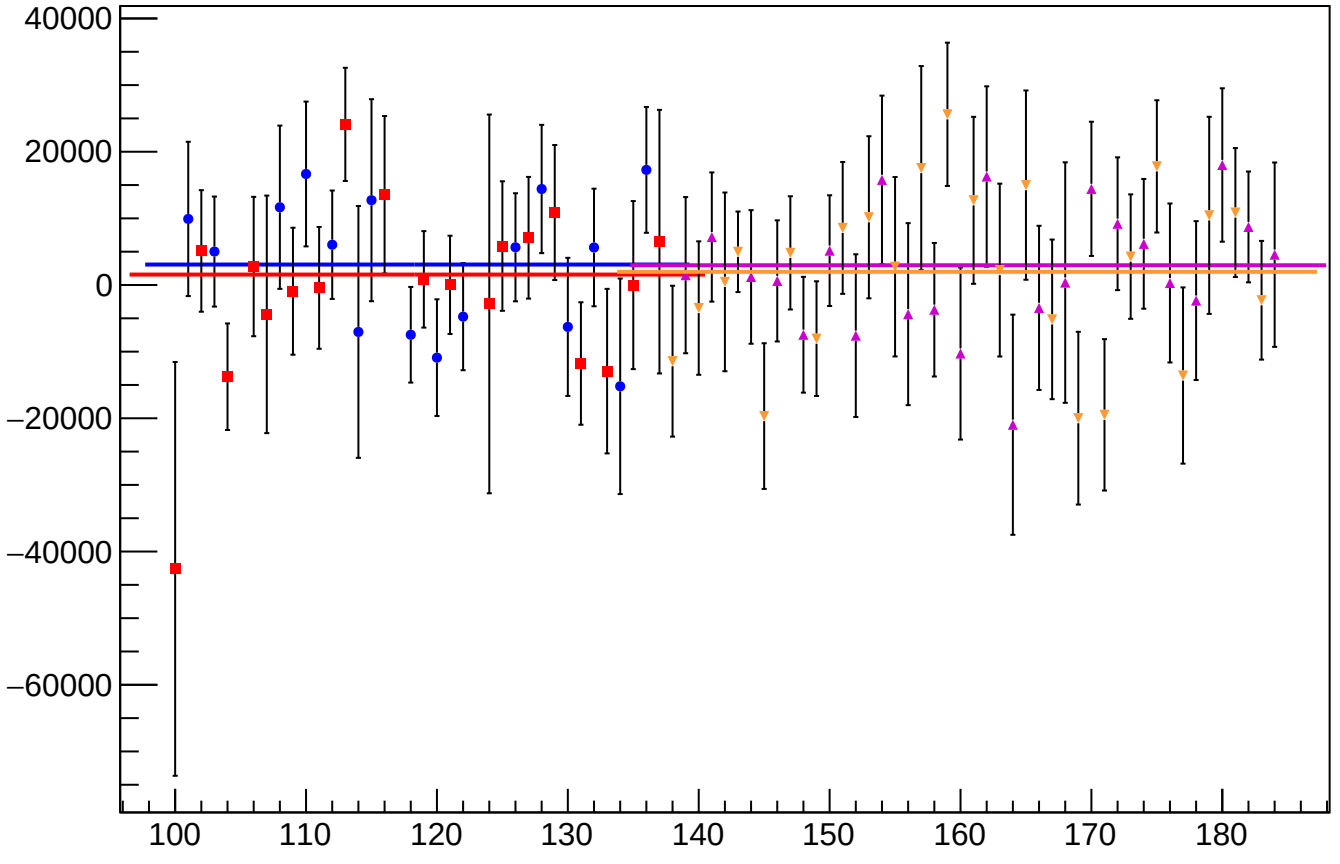
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7831.922+/-1.152 χ^2/NDF:4583148.2/38

Out: 7581.688+/-1.121 χ^2/NDF:5066720.5/40

All: 7703.421+/-0.804 χ^2/NDF: 9674088.6/79

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: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2446.393+/-1566.523 χ^2/NDF: 40.9/46

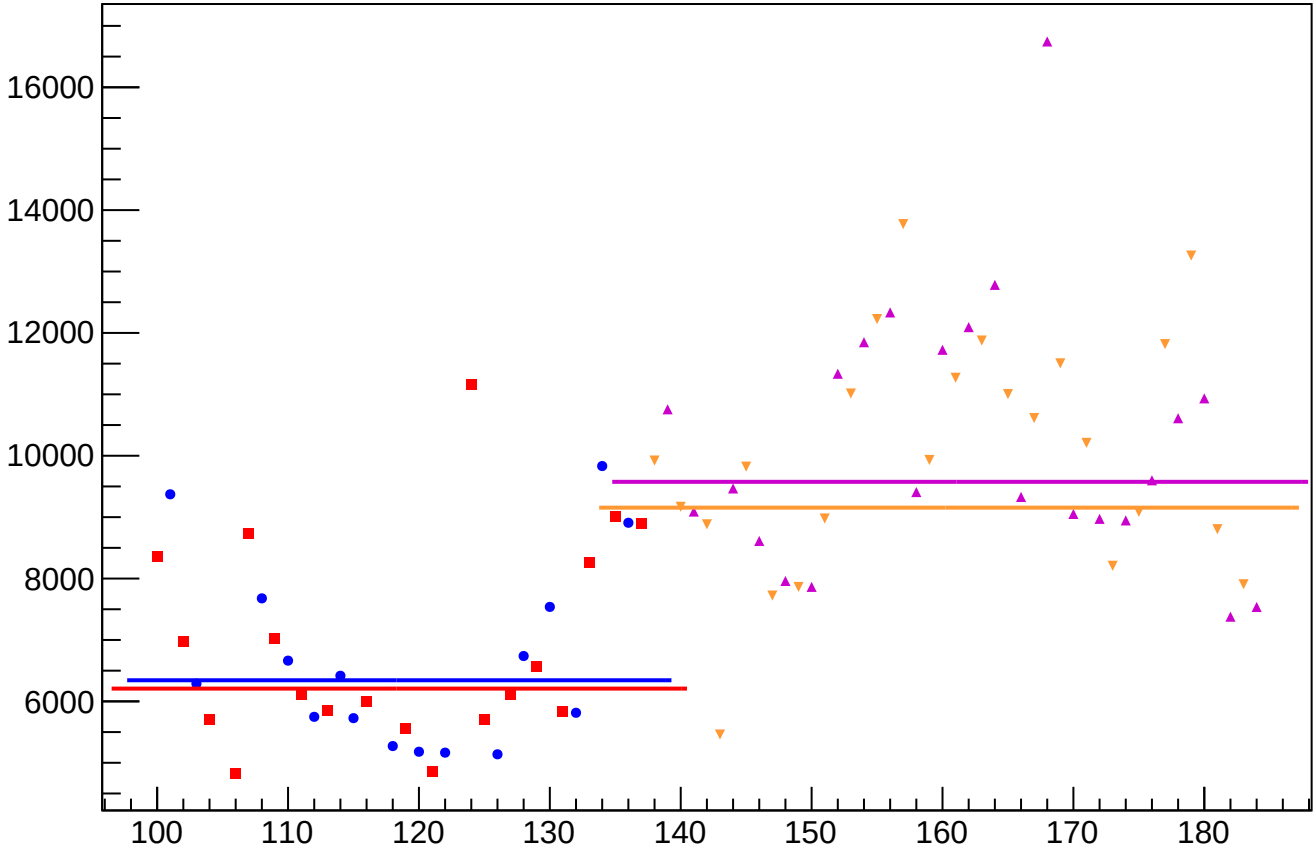
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 3013.697+/-1659.309 χ^2/NDF:27.8/38

Out: 1791.665+/-1584.662 χ^2/NDF:47.1/42

All: 2374.576+/-1146.006 χ^2/NDF: 75.2/81

asym_atl2_rms vs Slug, Sign Corrected



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: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

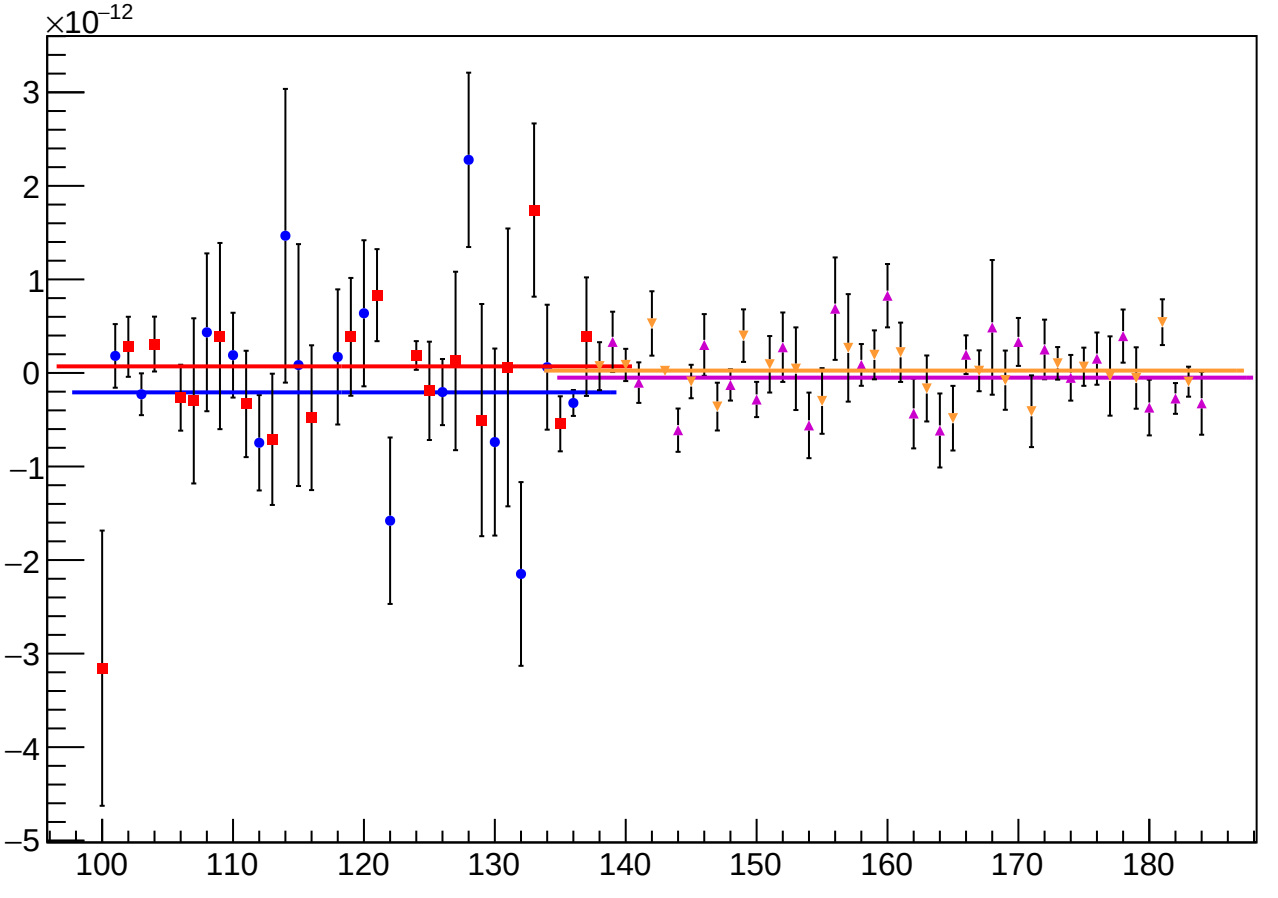
Left: 9353.471+/-1.108 χ^2/NDF: 2989158.4/46

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 8056.920+/-1.173 χ^2/NDF:3664452.6/38

Out: 7798.660+/-1.121 χ^2/NDF:3989278.4/42

All: 7921.850+/-0.810 χ^2/NDF: 7679070.2/81



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:36.8/22

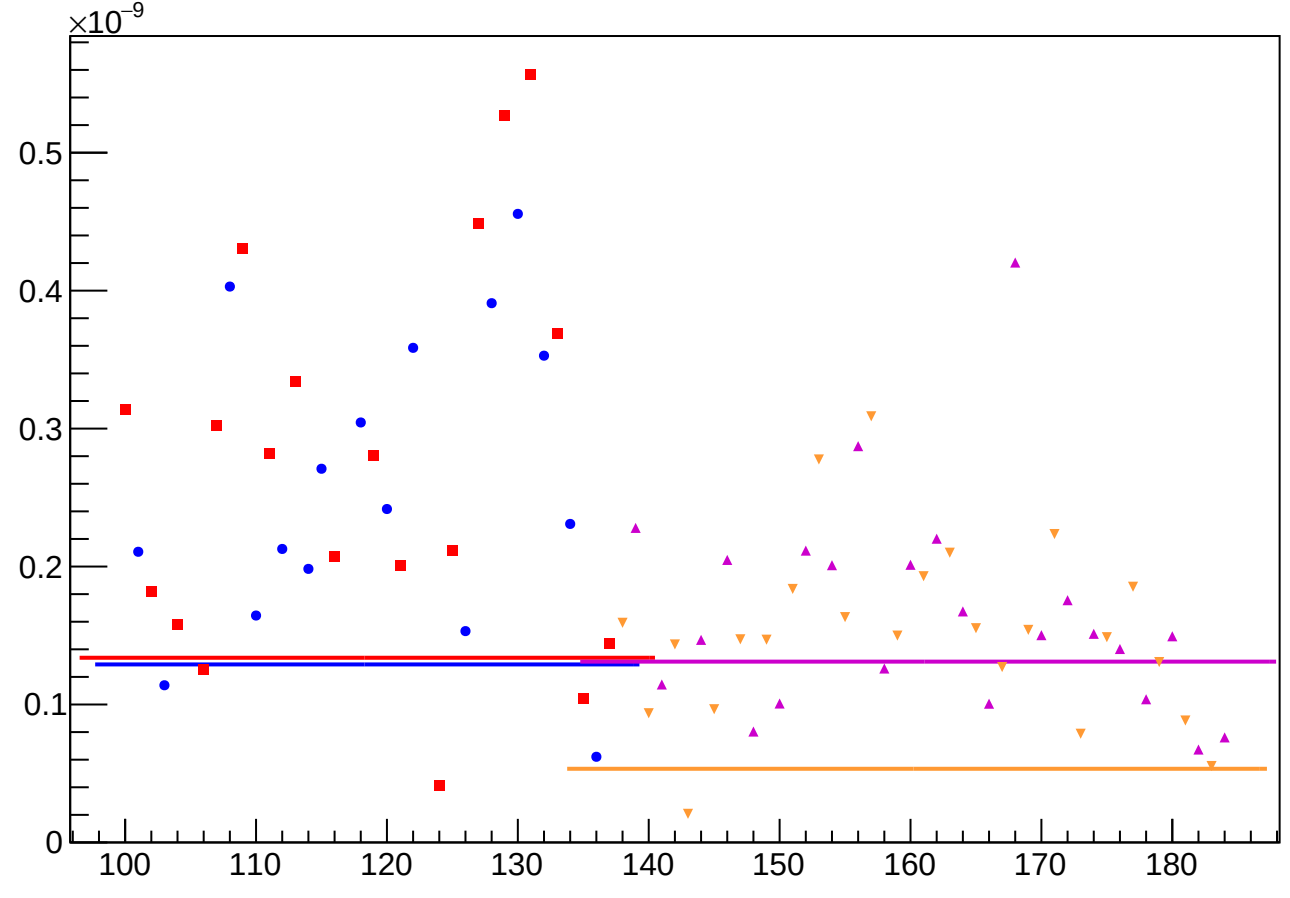
Left: 0.000+/-0.000 χ^2/NDF: 56.1/46

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:59.8/38

Out: 0.000+/-0.000 χ^2/NDF:38.9/42

All: -0.000+/-0.000 χ^2/NDF: 103.3/81



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7238529.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

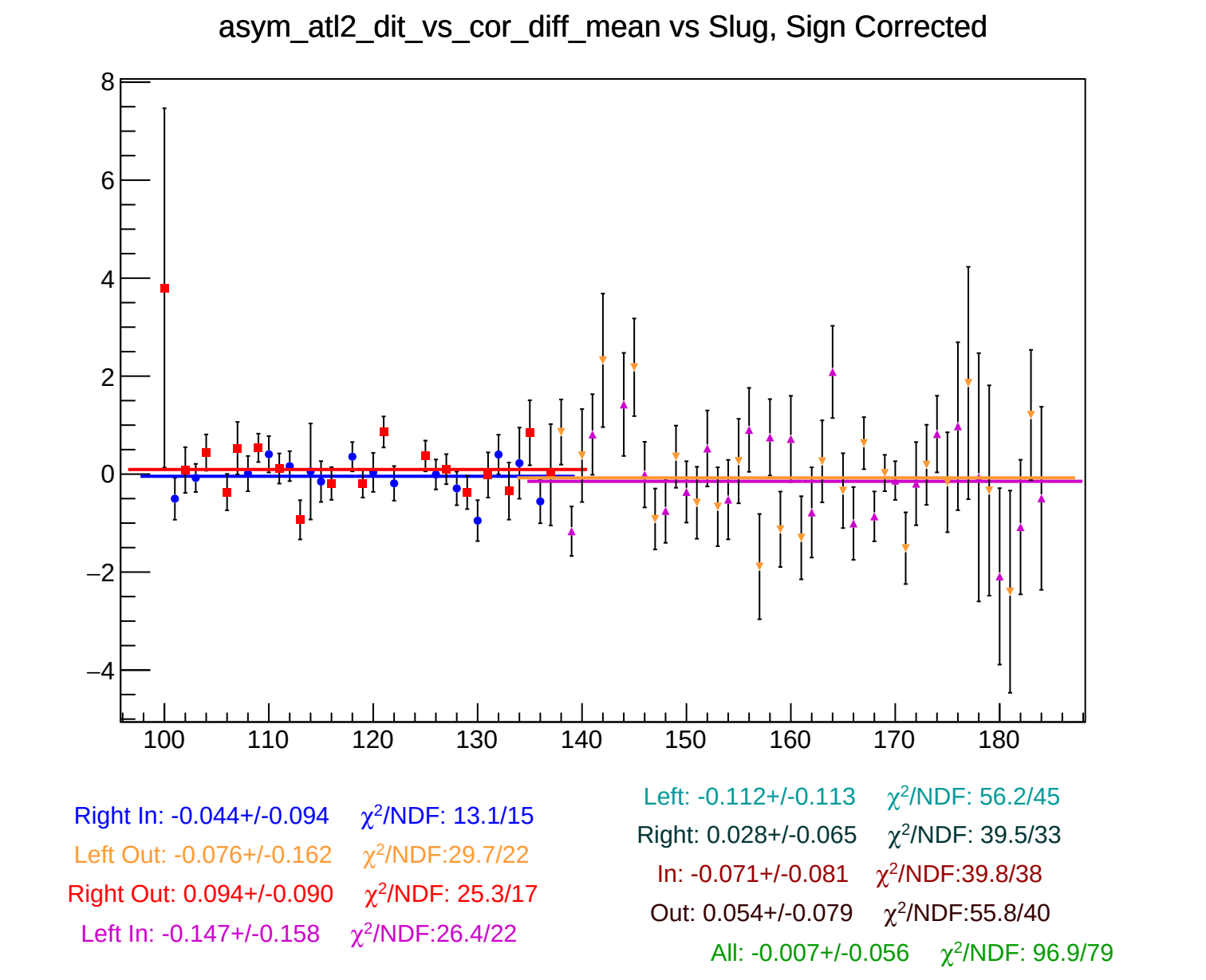
Left: 0.000+/-0.000 χ^2/NDF: 12254912.0/46

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:3625211.6/38

Out: 0.000+/-0.000 χ^2/NDF:10833132.2/42

All: 0.000+/-0.000 χ^2/NDF: 17678769.9/81


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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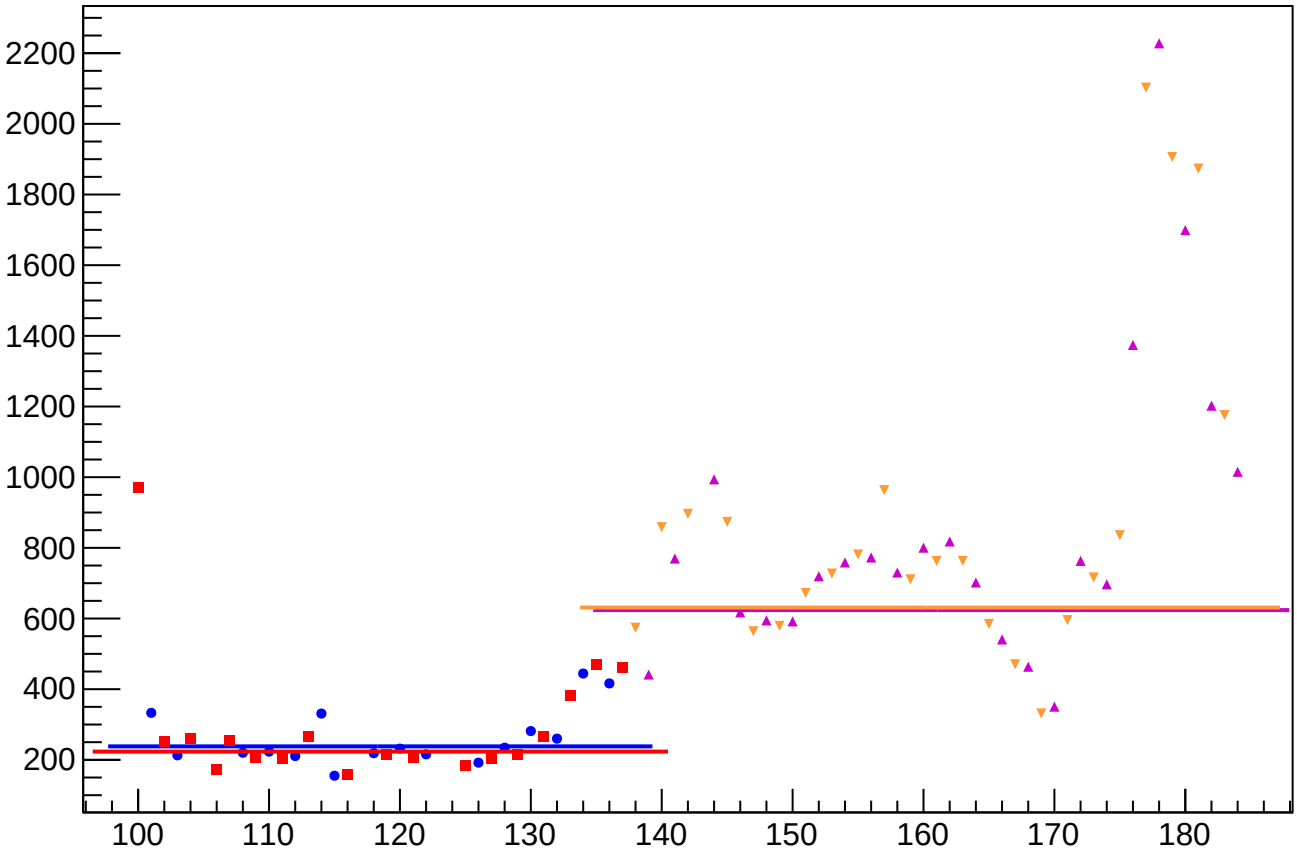
170
180
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.076+/-0.162 χ²/NDF:29.7/22
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.112+/-0.113 χ²/NDF: 56.2/45
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.071+/-0.081 χ²/NDF:39.8/38
Out: 0.054+/-0.079 χ²/NDF:55.8/40
All: -0.007+/-0.056 χ²/NDF: 96.9/79



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: 623.916+/-0.112 χ^2/NDF:4541431.8/22

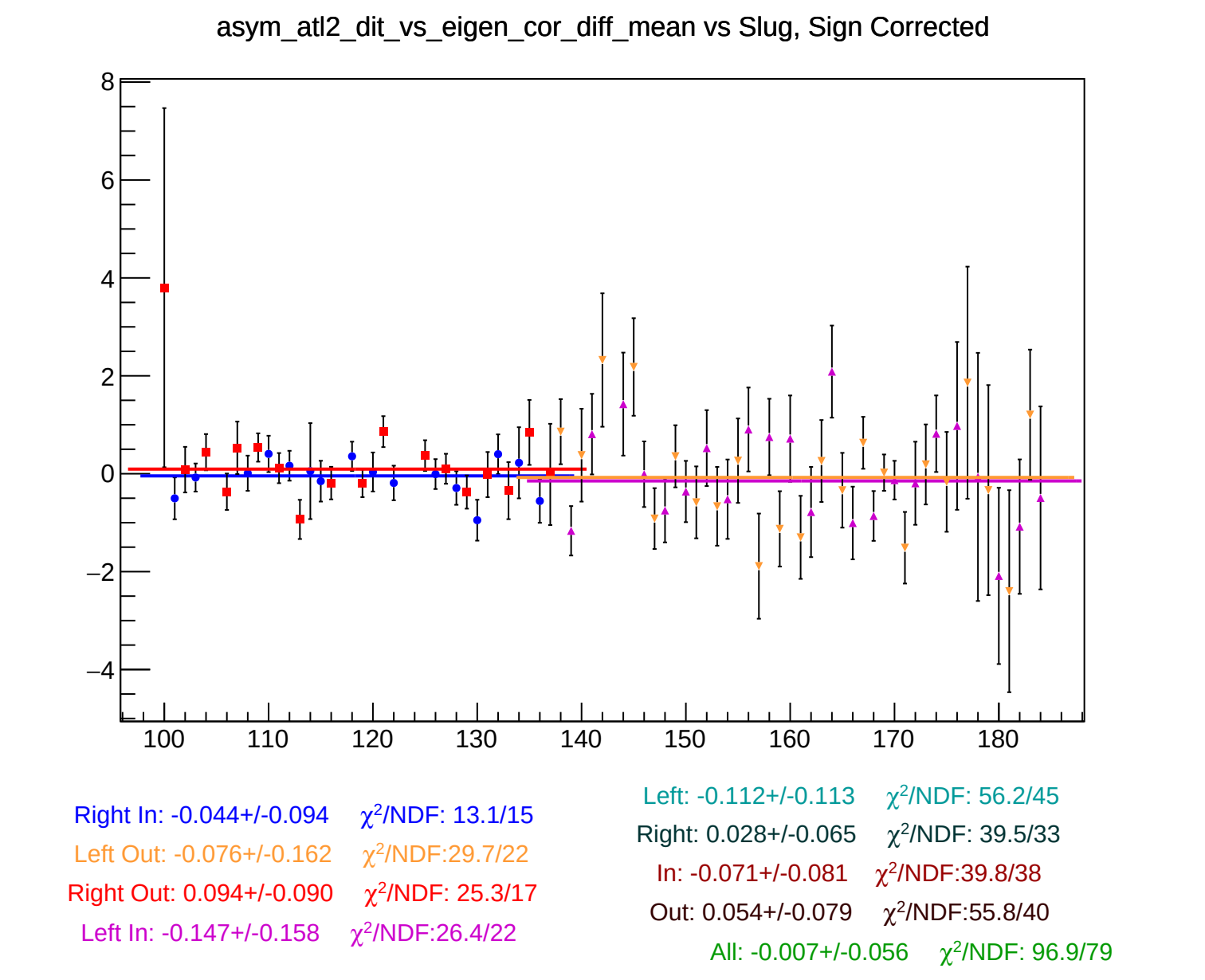
Left: 627.416+/-0.080 χ^2/NDF: 9448221.9/45

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 338.491+/-0.057 χ^2/NDF:14146013.2/38

Out: 319.692+/-0.056 χ^2/NDF:15454199.7/40

All: 328.855+/-0.040 χ^2/NDF: 29655860.9/79


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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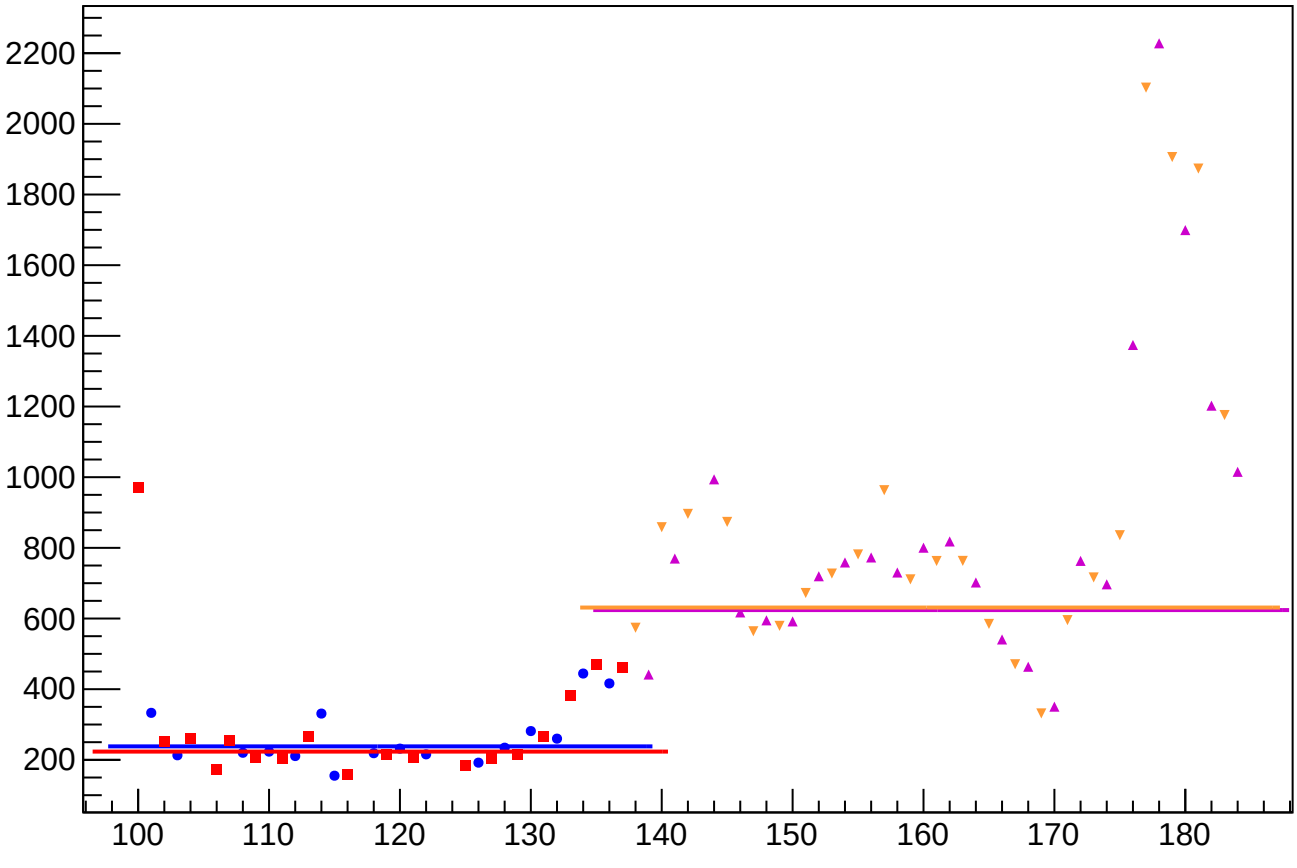
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.076+/-0.162 χ²/NDF:29.7/22
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.112+/-0.113 χ²/NDF: 56.2/45
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.071+/-0.081 χ²/NDF:39.8/38
Out: 0.054+/-0.079 χ²/NDF:55.8/40
All: -0.007+/-0.056 χ²/NDF: 96.9/79



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: 623.916+/-0.112 χ^2/NDF:4541431.8/22

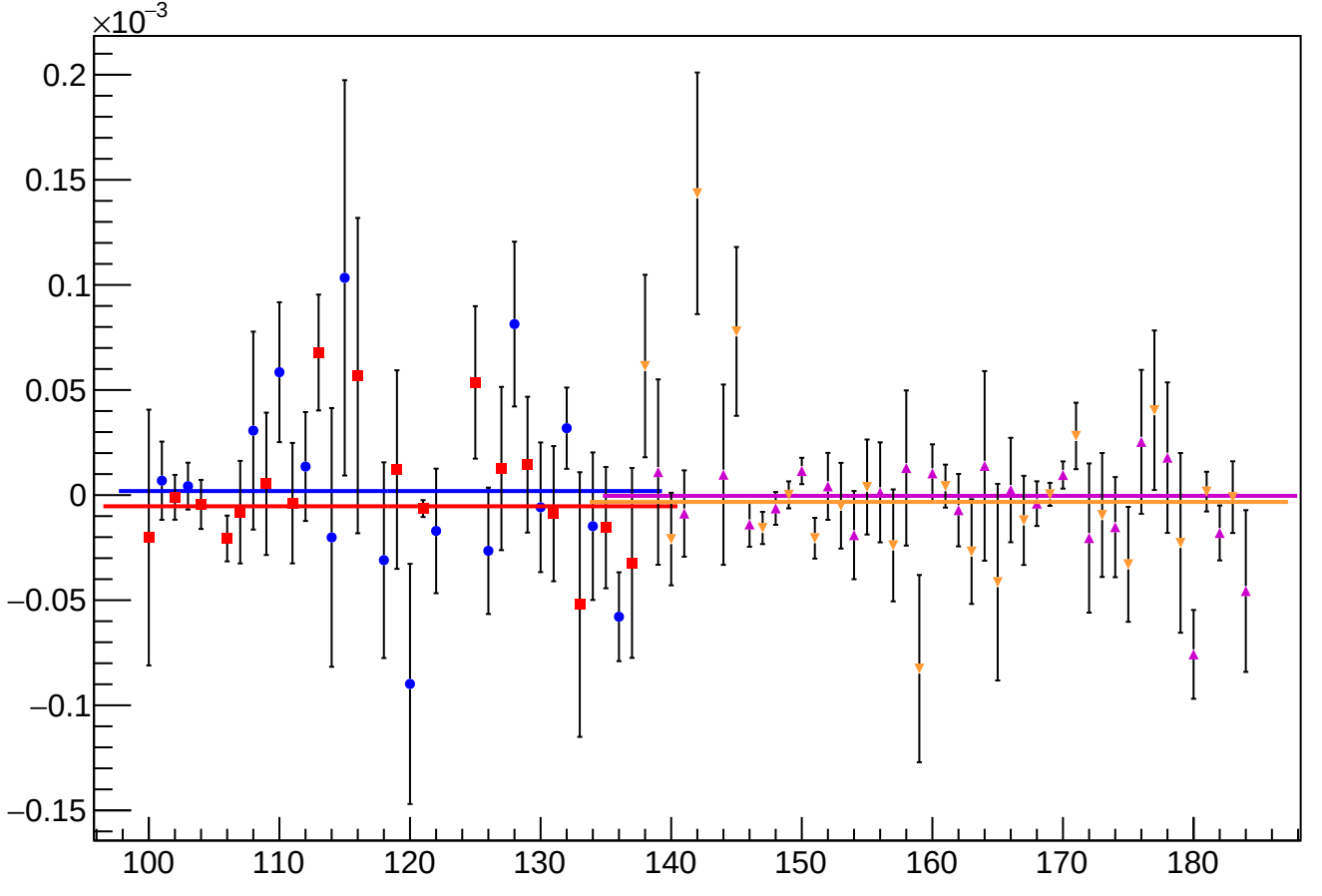
Left: 627.416+/-0.080 χ^2/NDF: 9448221.9/45

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 338.491+/-0.057 χ^2/NDF:14146013.2/38

Out: 319.692+/-0.056 χ^2/NDF:15454199.7/40

All: 328.855+/-0.040 χ^2/NDF: 29655860.9/79



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:27.9/22

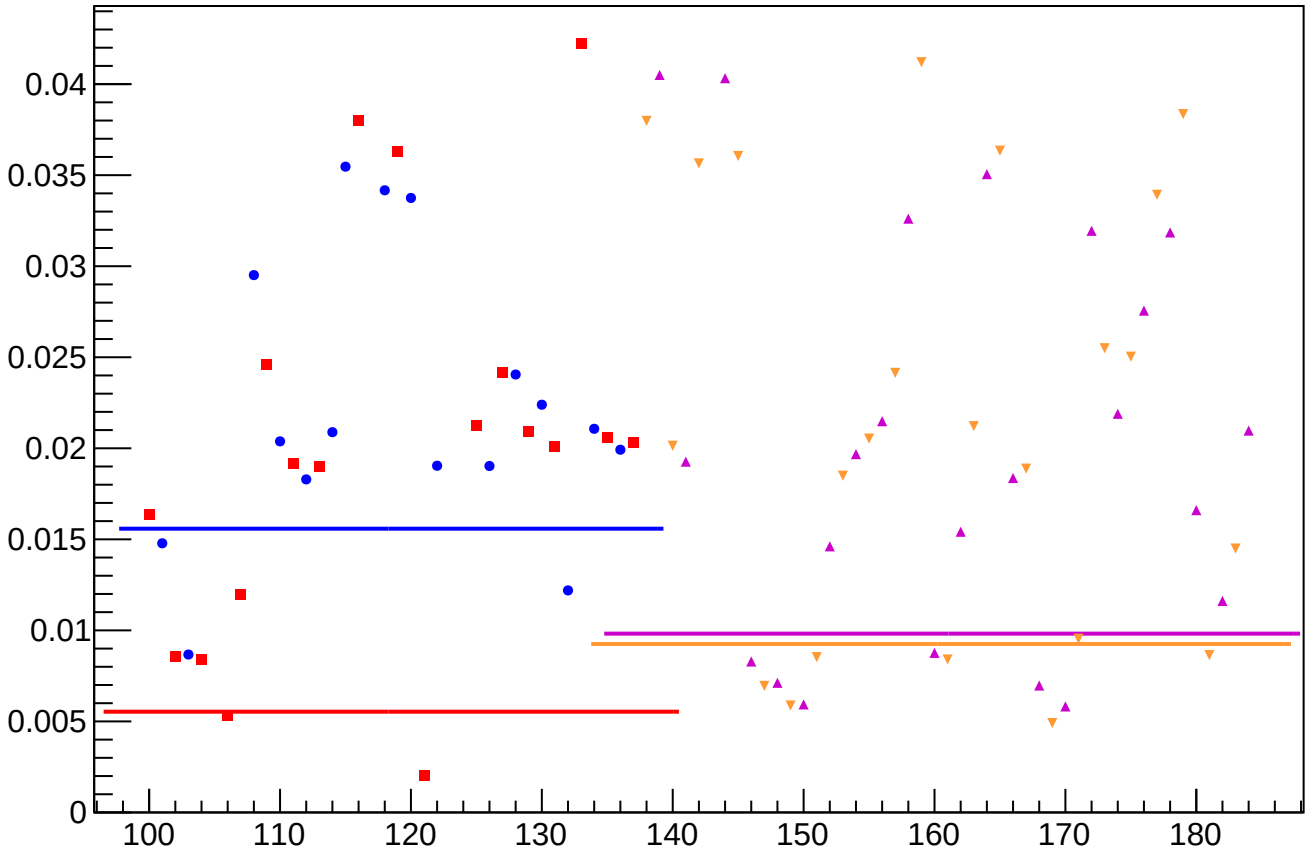
Left: -0.000+/-0.000 χ^2/NDF: 61.5/45

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:52.0/38

Out: -0.000+/-0.000 χ^2/NDF:47.9/40

All: -0.000+/-0.000 χ^2/NDF: 101.5/79



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:10307261.6/22

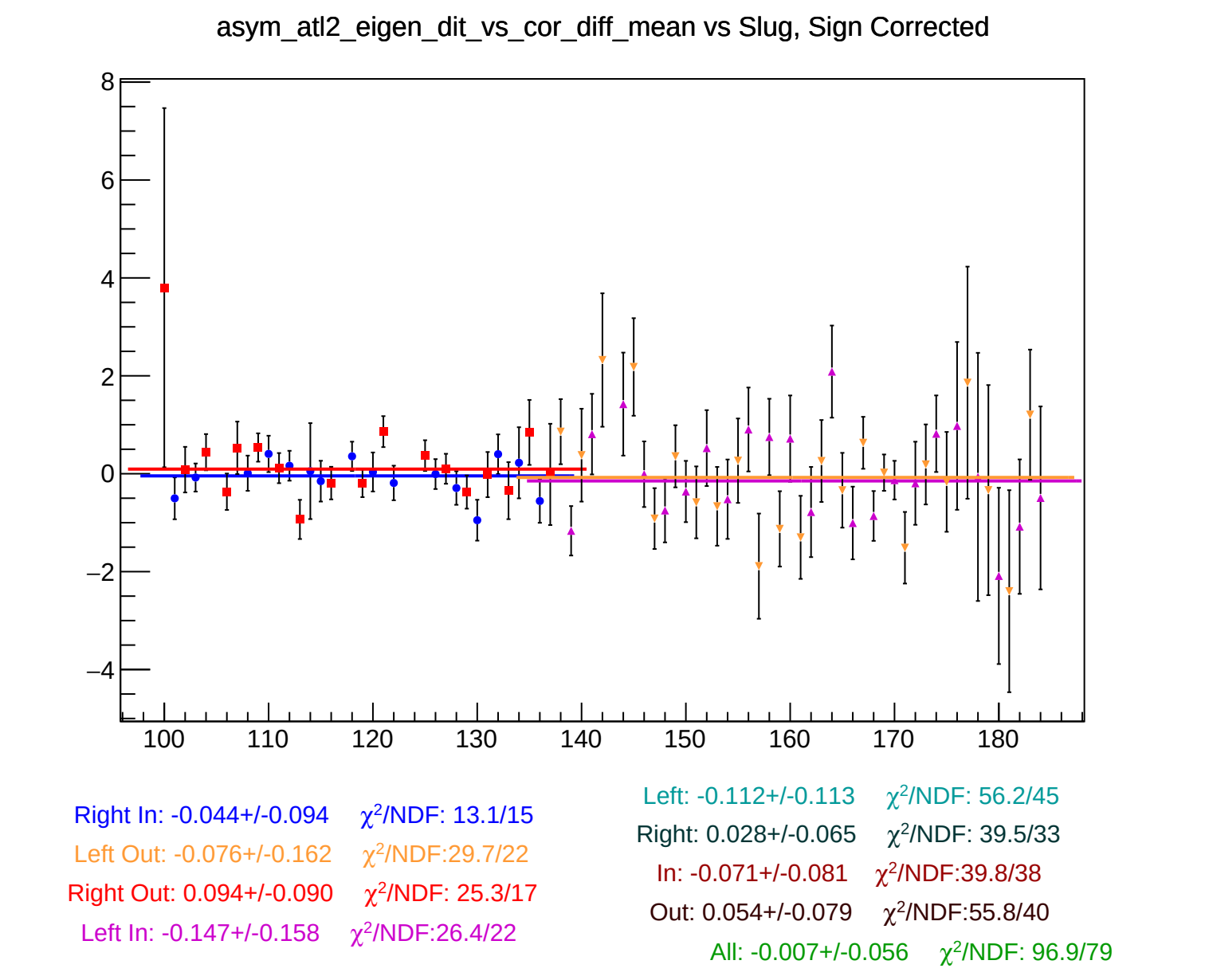
Left: 0.010+/-0.000 χ^2/NDF: 22393576.5/45

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:13736939.6/38

Out: 0.008+/-0.000 χ^2/NDF:21550973.3/40

All: 0.009+/-0.000 χ^2/NDF: 37030020.0/79


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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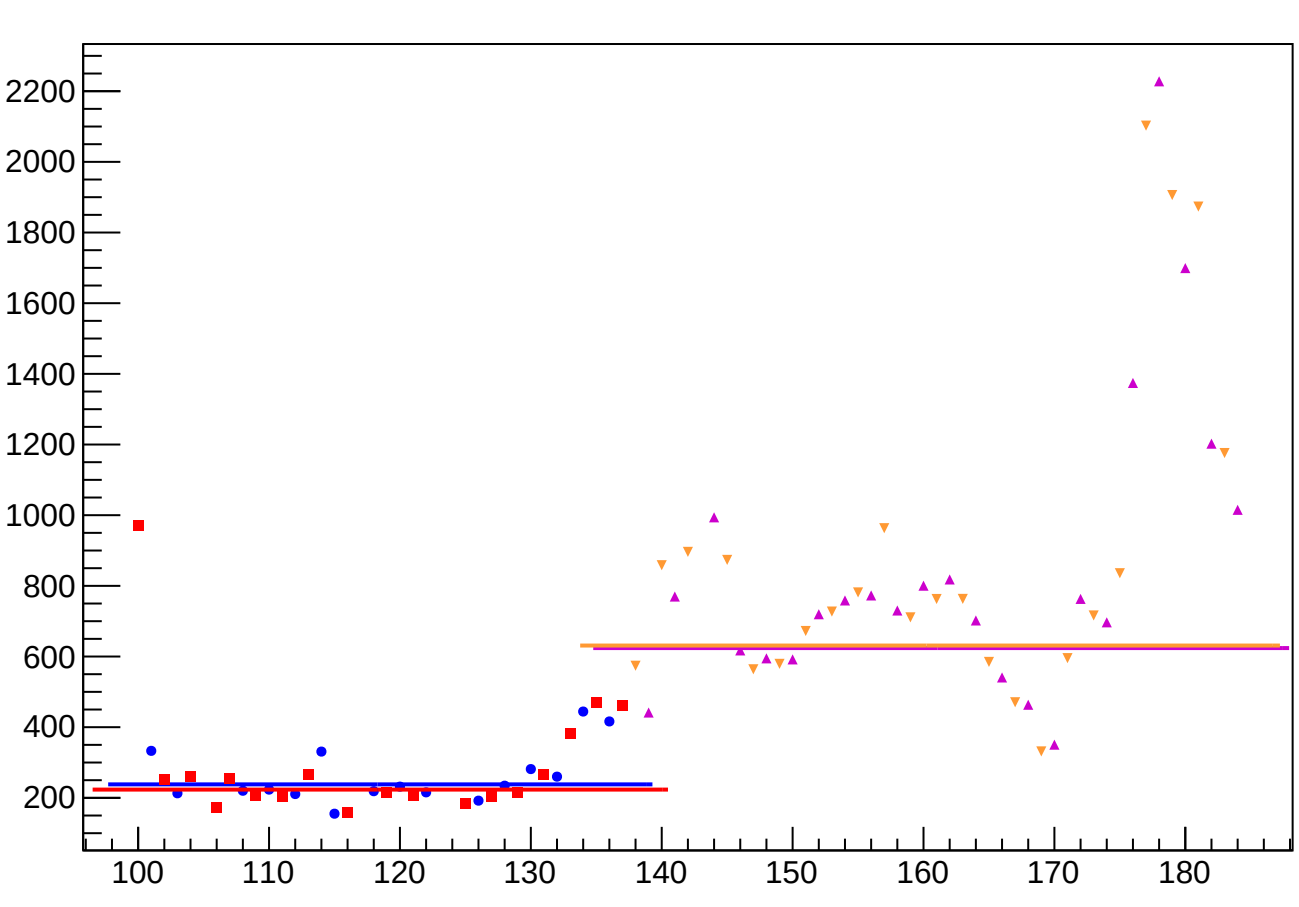
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.076+/-0.162 χ²/NDF:29.7/22
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.112+/-0.113 χ²/NDF: 56.2/45
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.071+/-0.081 χ²/NDF:39.8/38
Out: 0.054+/-0.079 χ²/NDF:55.8/40
All: -0.007+/-0.056 χ²/NDF: 96.9/79



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: 623.922+/-0.112 χ^2/NDF:4541413.9/22

Left: 627.421+/-0.080 χ^2/NDF: 9448266.2/45

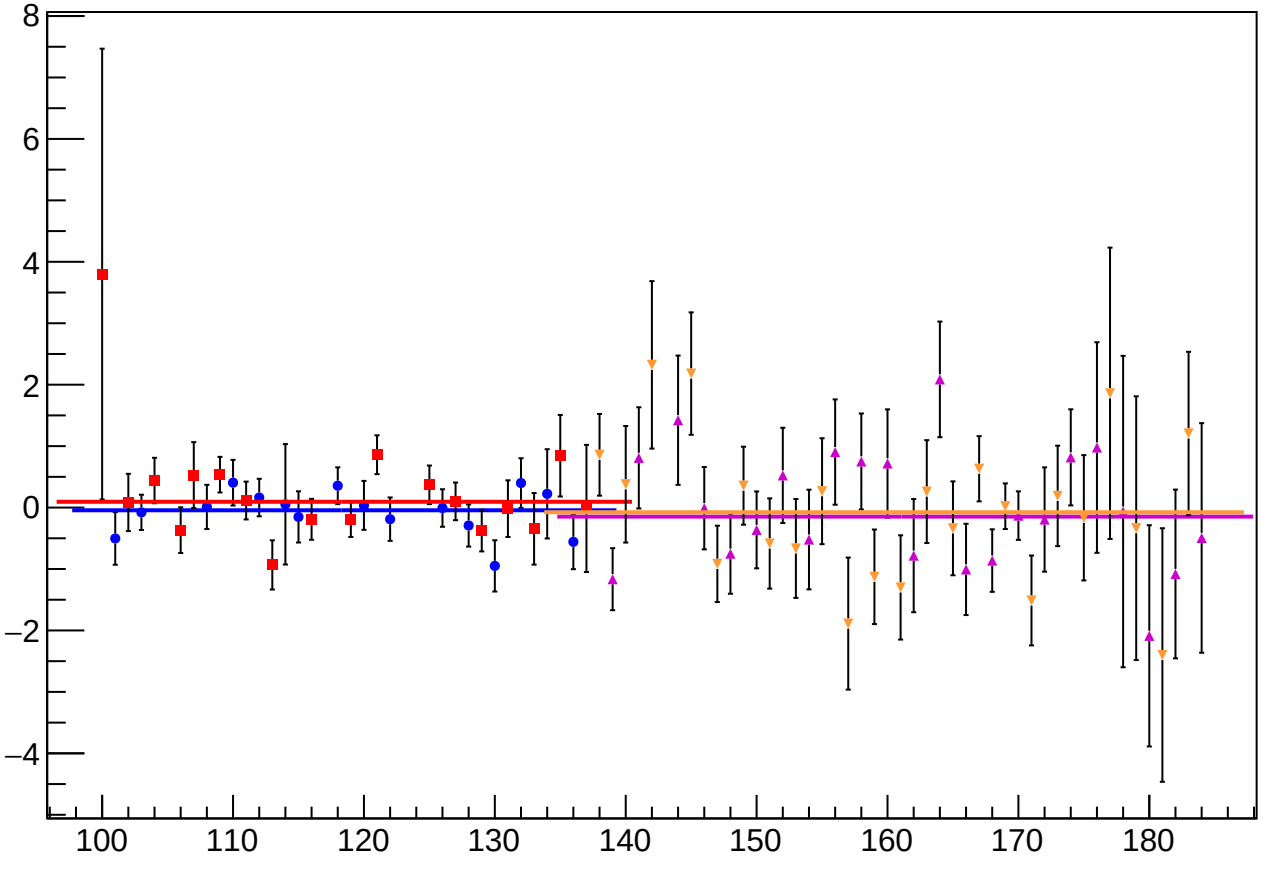
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 338.492+/-0.057 χ^2/NDF:14146075.6/38

Out: 319.693+/-0.056 χ^2/NDF:15454191.0/40

All: 328.857+/-0.040 χ^2/NDF: 29655910.6/79

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: -0.147+/-0.158 χ^2/NDF:26.4/22

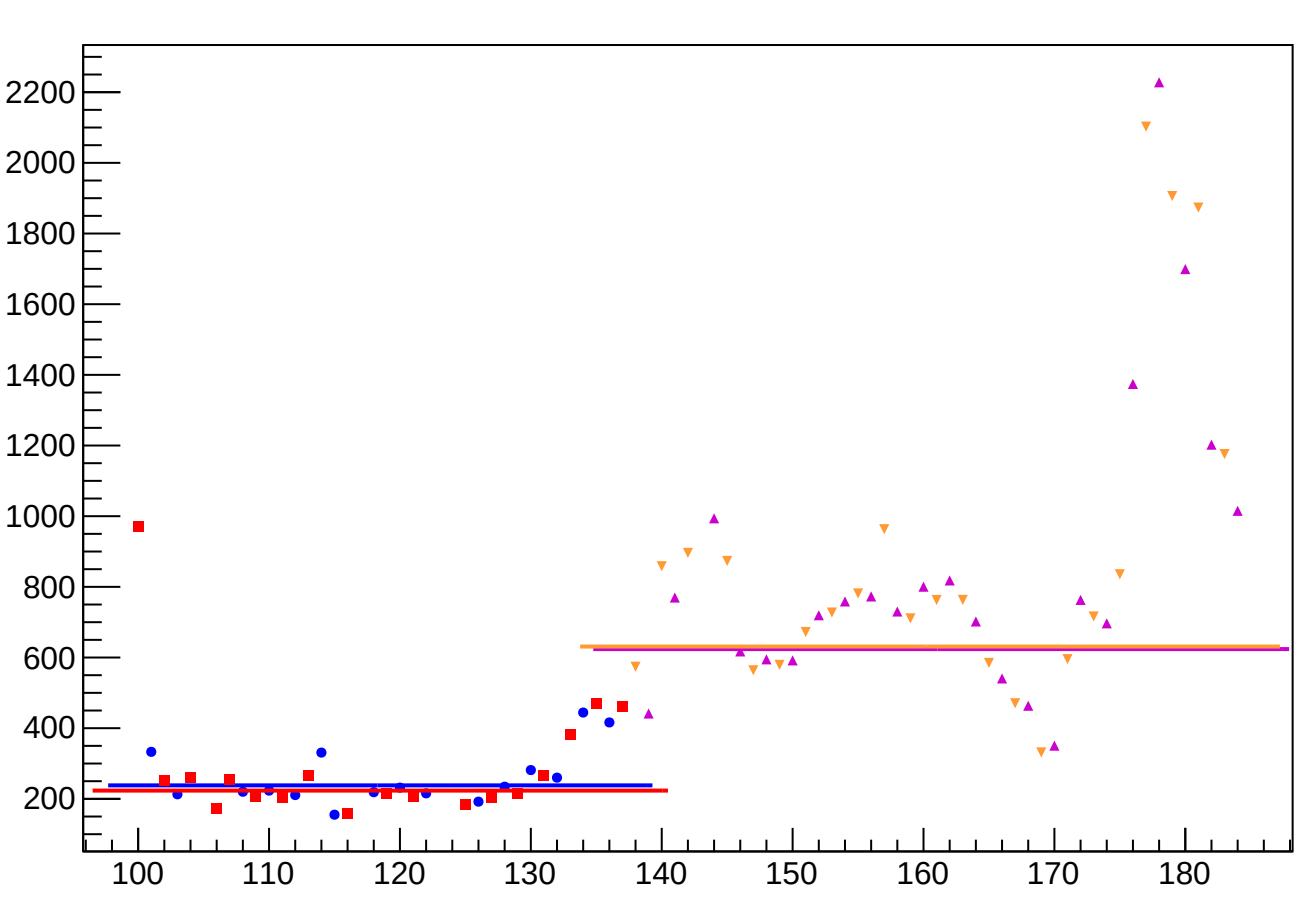
Left: -0.112+/-0.113 χ^2/NDF: 56.2/45

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.071+/-0.081 χ^2/NDF:39.8/38

Out: 0.054+/-0.079 χ^2/NDF:55.8/40

All: -0.007+/-0.056 χ^2/NDF: 96.9/79


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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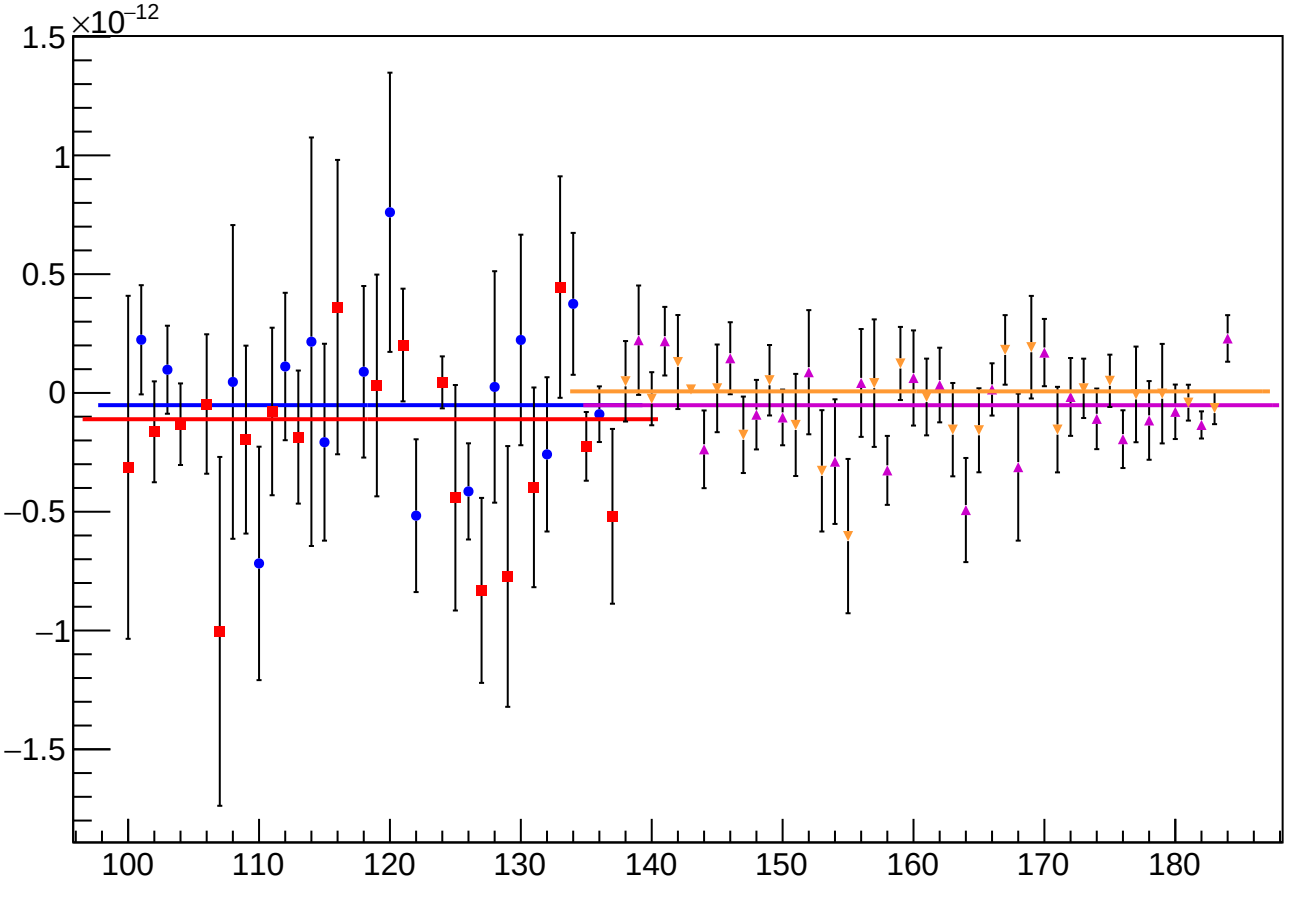
Right In: 238.165+/-0.066 χ²/NDF: 807170.1/15
Left Out: 631.085+/-0.114 χ²/NDF:4904850.0/22
Right Out: 223.390+/-0.064 χ²/NDF: 862366.3/17
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 627.421+/-0.080 χ²/NDF: 9448266.2/45
Right: 230.475+/-0.046 χ²/NDF: 1695367.2/33
In: 338.492+/-0.057 χ²/NDF:14146075.6/38
Out: 319.693+/-0.056 χ²/NDF:15454191.0/40
All: 328.857+/-0.040 χ²/NDF: 29655910.6/79



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:33.4/22

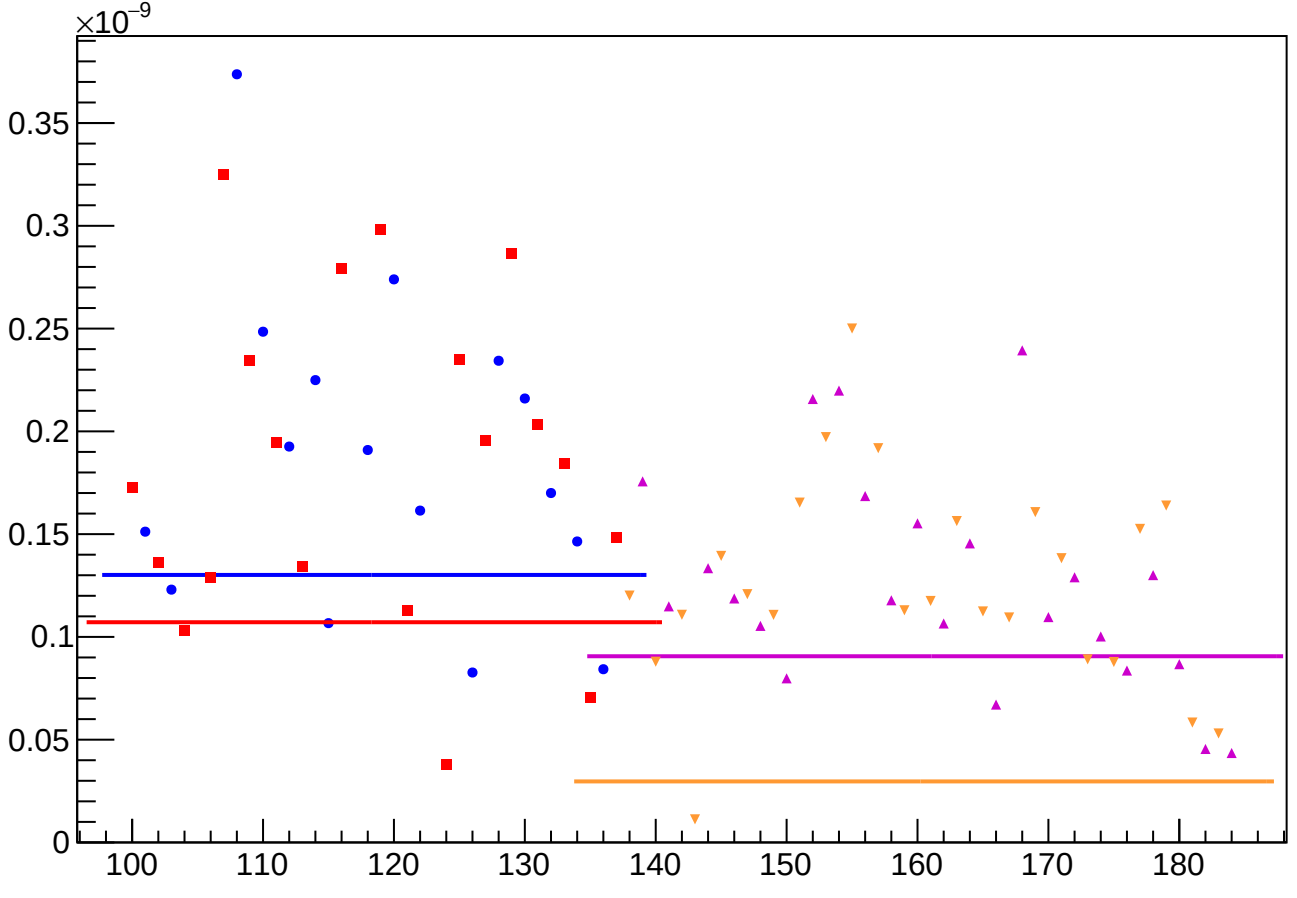
Left: -0.000+/-0.000 χ^2/NDF: 51.5/46

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:48.1/38

Out: 0.000+/-0.000 χ^2/NDF:33.7/42

All: -0.000+/-0.000 χ^2/NDF: 85.1/81



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:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29548377.6/46

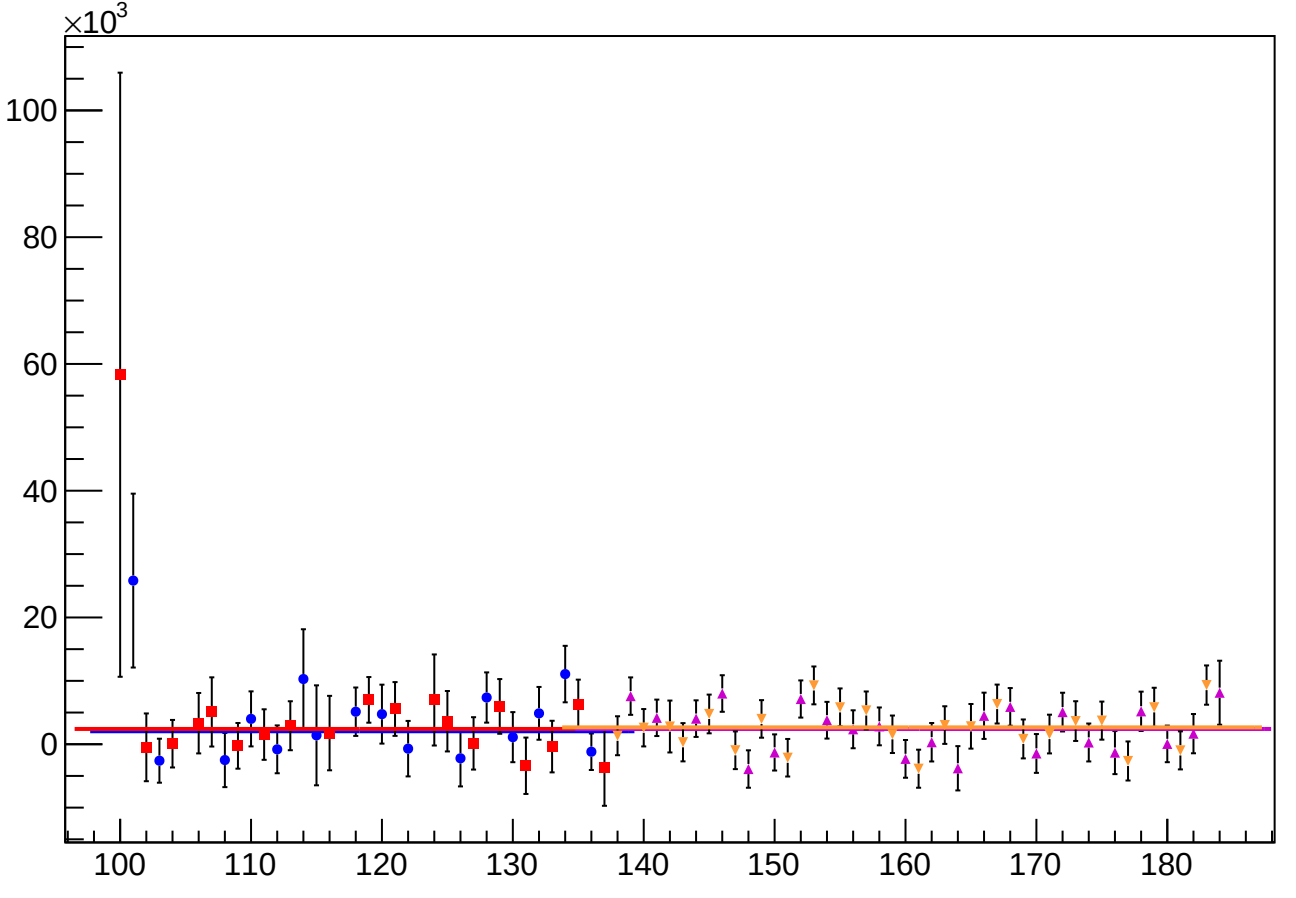
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:6637318.8/38

Out: 0.000+/-0.000 χ^2/NDF:23092229.0/42

All: 0.000+/-0.000 χ^2/NDF: 39056885.0/81

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: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2537.207+/-447.428 χ^2/NDF: 61.0/46

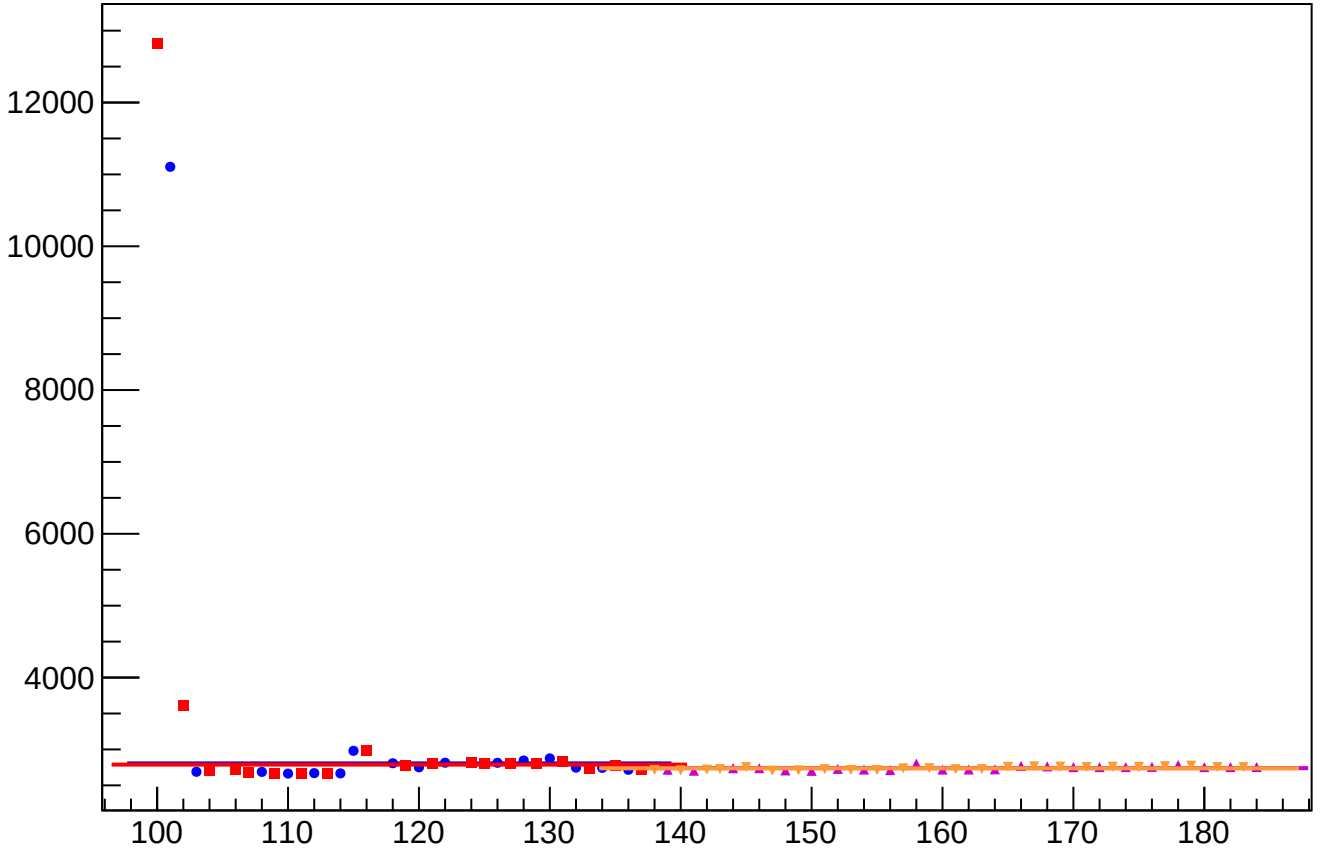
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2313.882+/-549.128 χ^2/NDF:49.2/38

Out: 2594.040+/-535.719 χ^2/NDF:40.3/42

All: 2457.424+/-383.464 χ^2/NDF: 89.7/81

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: 2739.863+/-0.452 χ^2/NDF:3362.0/22

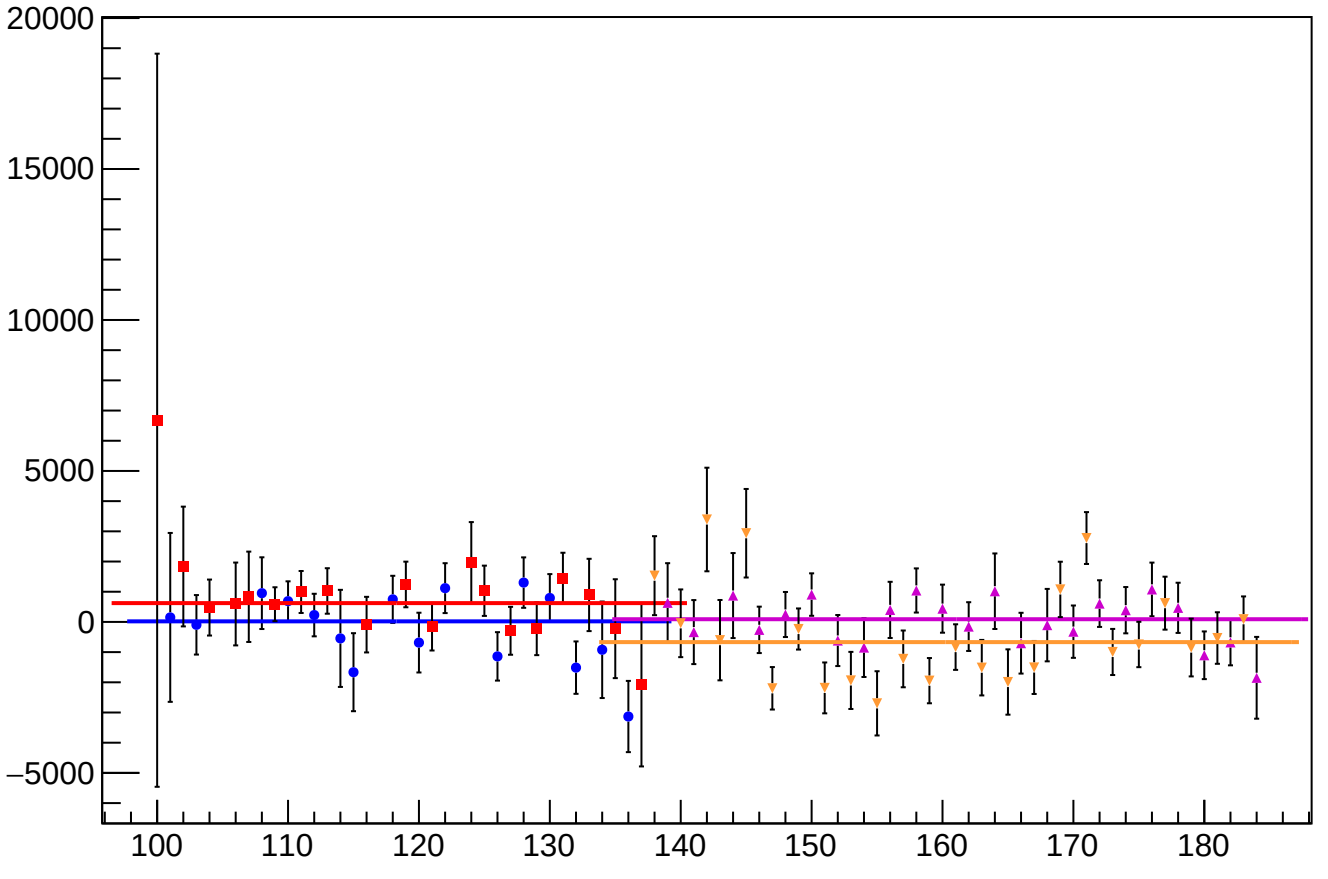
Left: 2738.621+/-0.316 χ^2/NDF: 5691.3/46

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2757.123+/-0.388 χ^2/NDF:755134.5/38

Out: 2751.186+/-0.379 χ^2/NDF:152920.4/42

All: 2754.081+/-0.271 χ^2/NDF: 908174.7/81



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: 89.519+/-183.491 χ^2/NDF:14.8/22

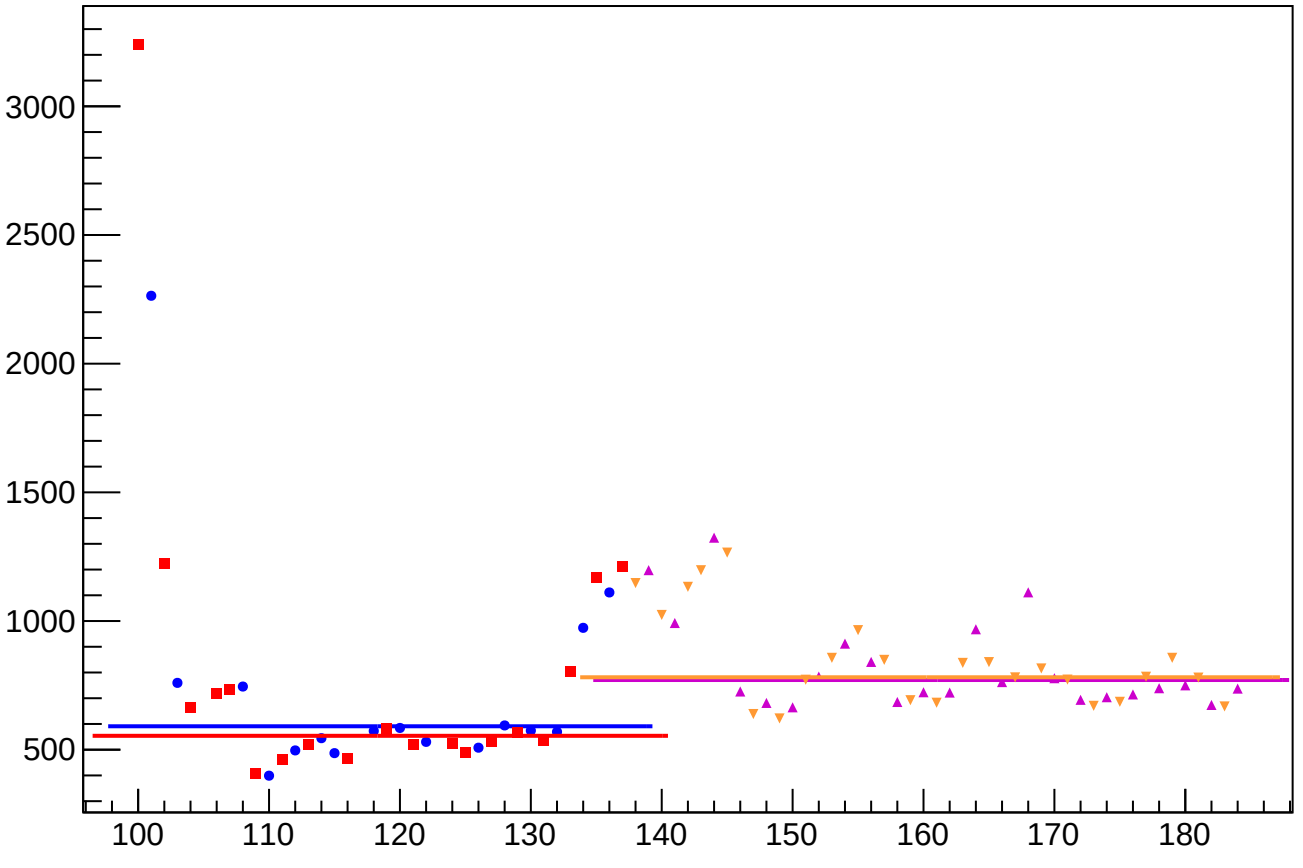
Left: -290.811+/-129.532 χ^2/NDF: 81.7/46

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 62.587+/-144.270 χ^2/NDF:37.6/38

Out: -129.119+/-139.559 χ^2/NDF:88.4/42

All: -36.447+/-100.308 χ^2/NDF: 126.9/81



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: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 776.124+/-0.092 χ^2/NDF: 2313807.0/46

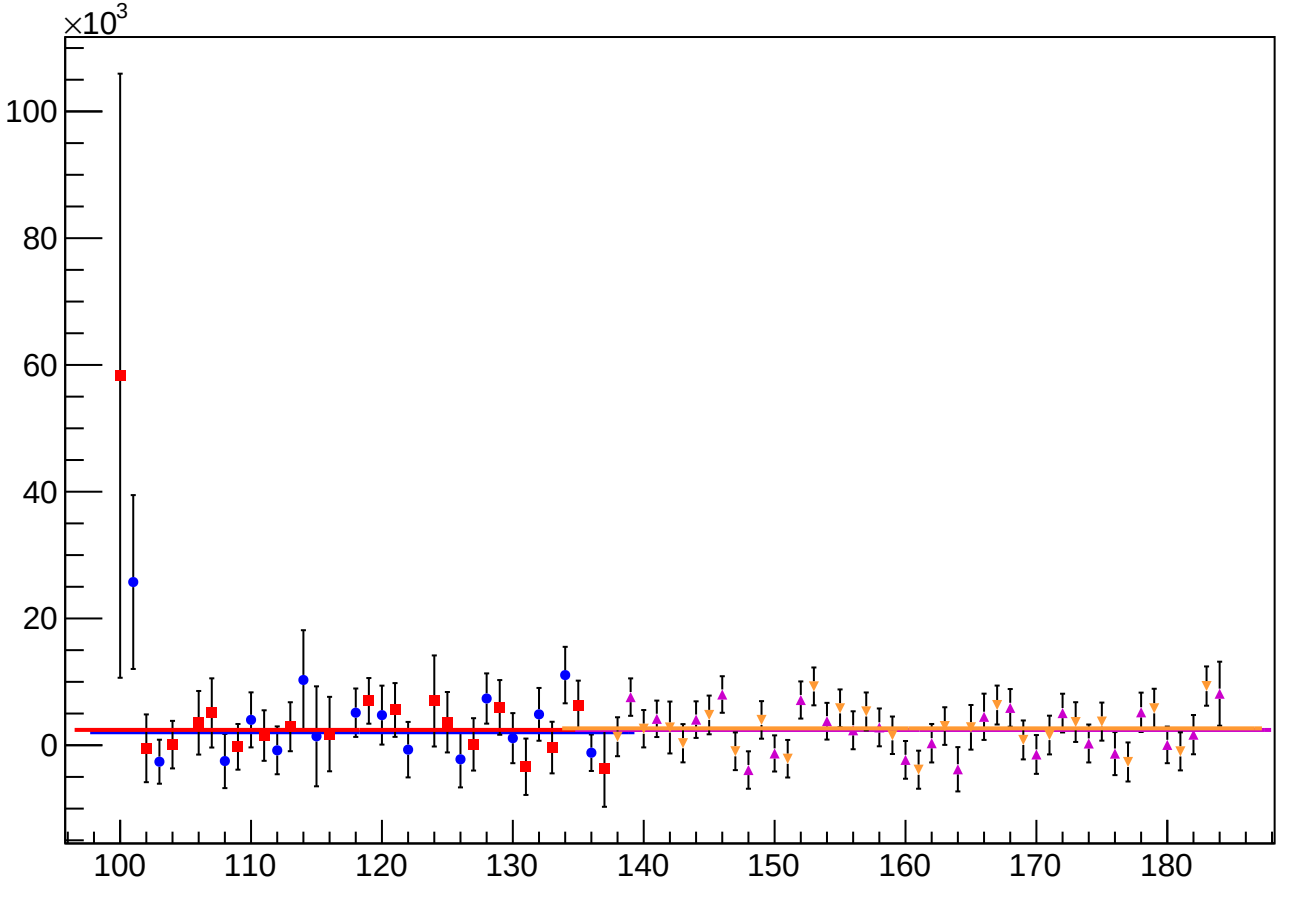
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 702.163+/-0.102 χ^2/NDF:3376842.0/38

Out: 686.428+/-0.099 χ^2/NDF:3642911.7/42

All: 694.035+/-0.071 χ^2/NDF: 7032044.8/81

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: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2537.271+/-447.428 χ^2/NDF: 61.0/46

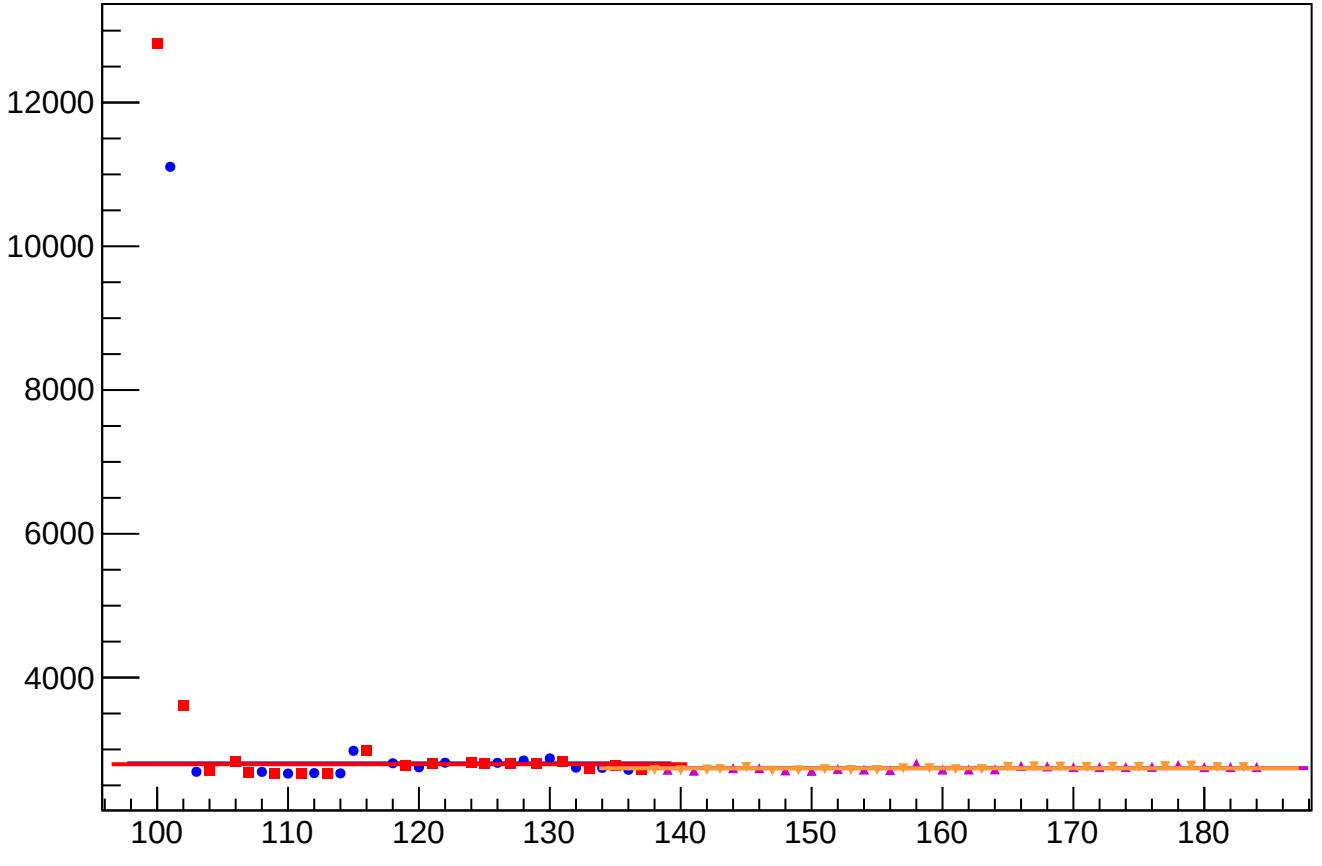
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2313.775+/-549.128 χ^2/NDF:49.2/38

Out: 2595.871+/-536.049 χ^2/NDF:40.3/42

All: 2458.222+/-383.584 χ^2/NDF: 89.7/81

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: 2739.863+/-0.452 χ^2/NDF:3362.0/22

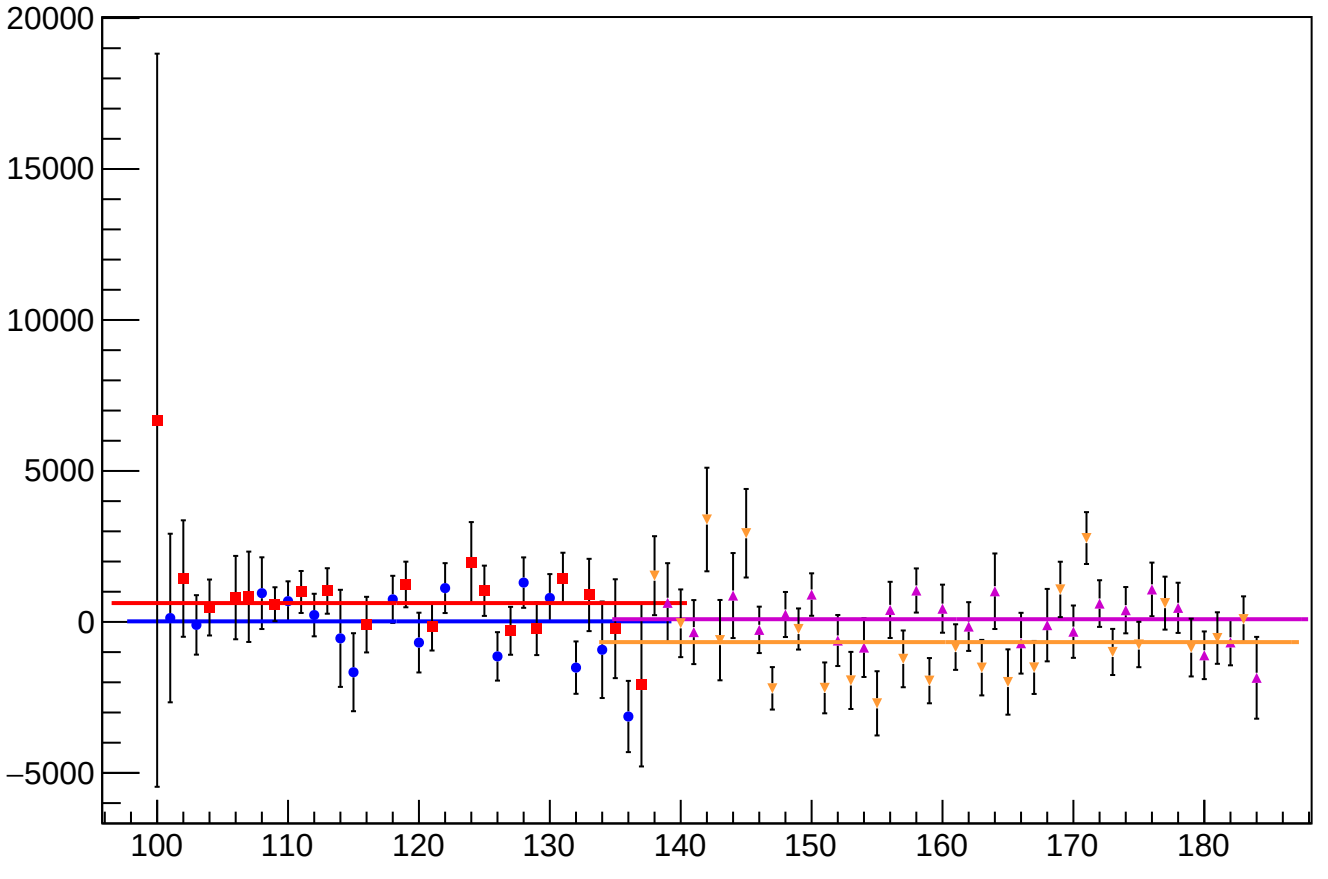
Left: 2738.621+/-0.316 χ^2/NDF: 5691.3/46

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2757.123+/-0.388 χ^2/NDF:755133.6/38

Out: 2752.564+/-0.379 χ^2/NDF:153439.8/42

All: 2754.789+/-0.271 χ^2/NDF: 908644.0/81



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: 89.643+/-183.492 χ^2/NDF:14.8/22

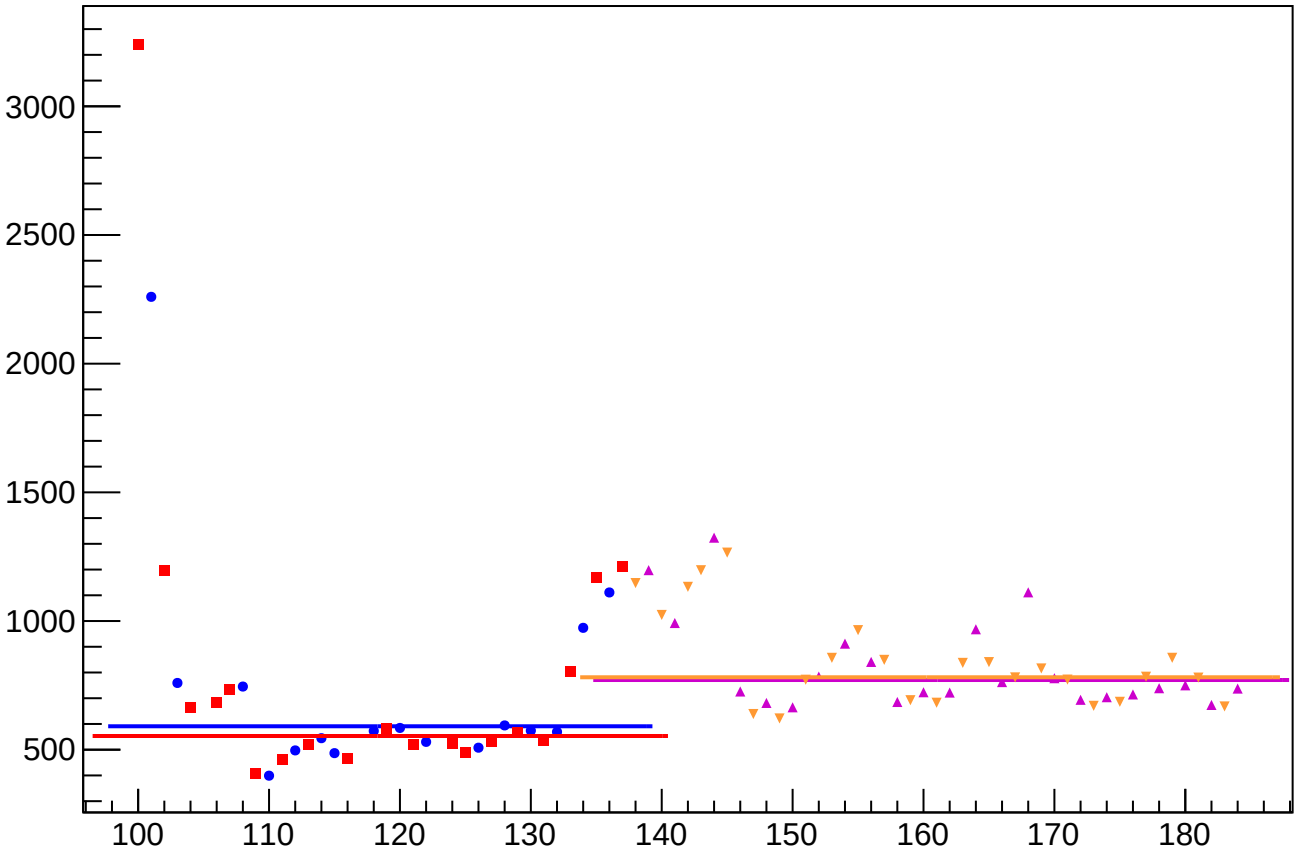
Left: -290.678+/-129.532 χ^2/NDF: 81.7/46

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 62.646+/-144.268 χ^2/NDF:37.6/38

Out: -128.437+/-139.547 χ^2/NDF:88.3/42

All: -36.073+/-100.302 χ^2/NDF: 126.8/81



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: 770.799+/-0.130 χ^2/NDF:1076291.1/22

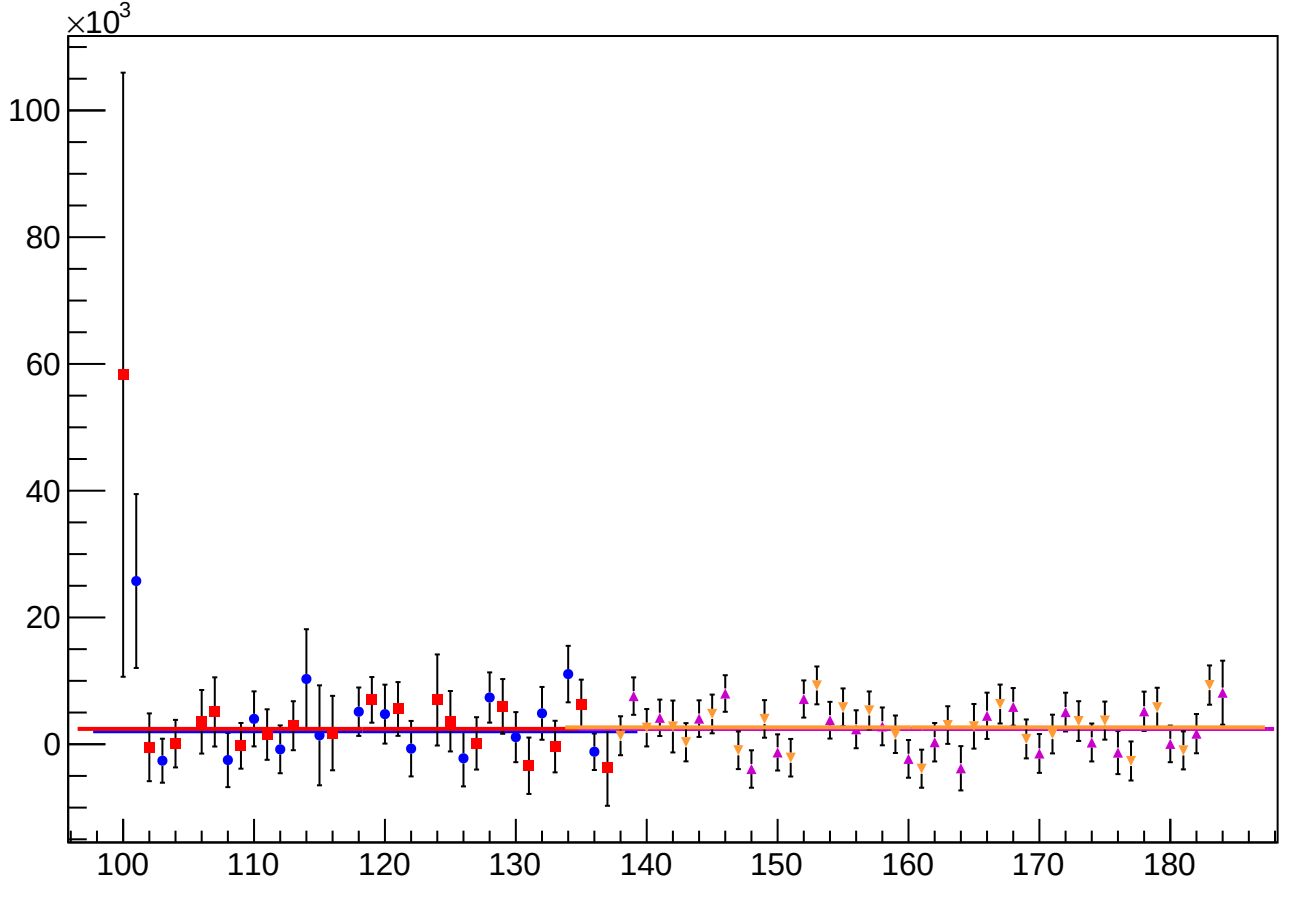
Left: 776.125+/-0.092 χ^2/NDF: 2313775.8/46

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 702.161+/-0.102 χ^2/NDF:3375838.3/38

Out: 686.090+/-0.099 χ^2/NDF:3636499.8/42

All: 693.858+/-0.071 χ^2/NDF: 7025160.0/81



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: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2537.271+/-447.428 χ^2/NDF: 61.0/46

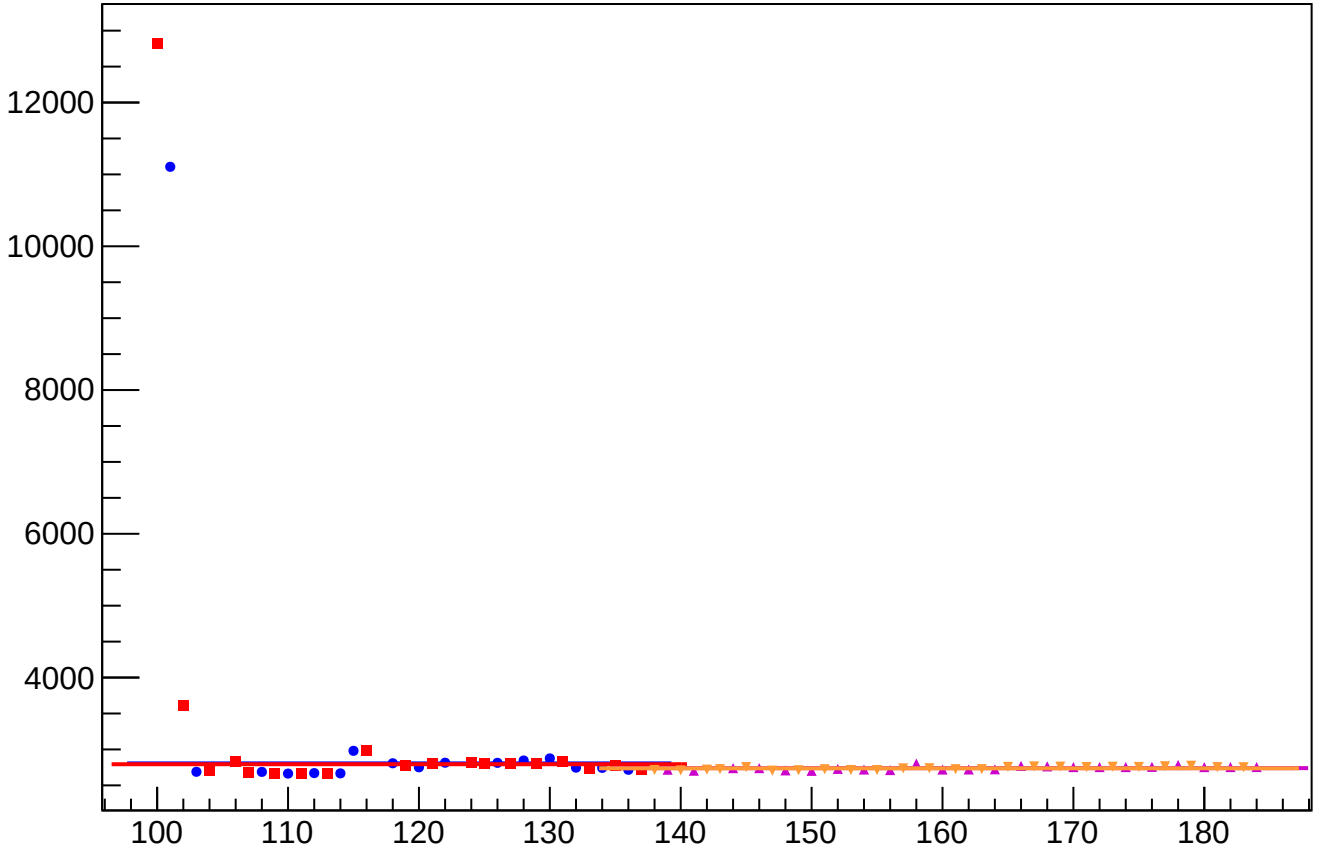
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2313.775+/-549.128 χ^2/NDF:49.2/38

Out: 2595.871+/-536.049 χ^2/NDF:40.3/42

All: 2458.222+/-383.584 χ^2/NDF: 89.7/81

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: 2739.863+/-0.452 χ^2/NDF:3362.0/22

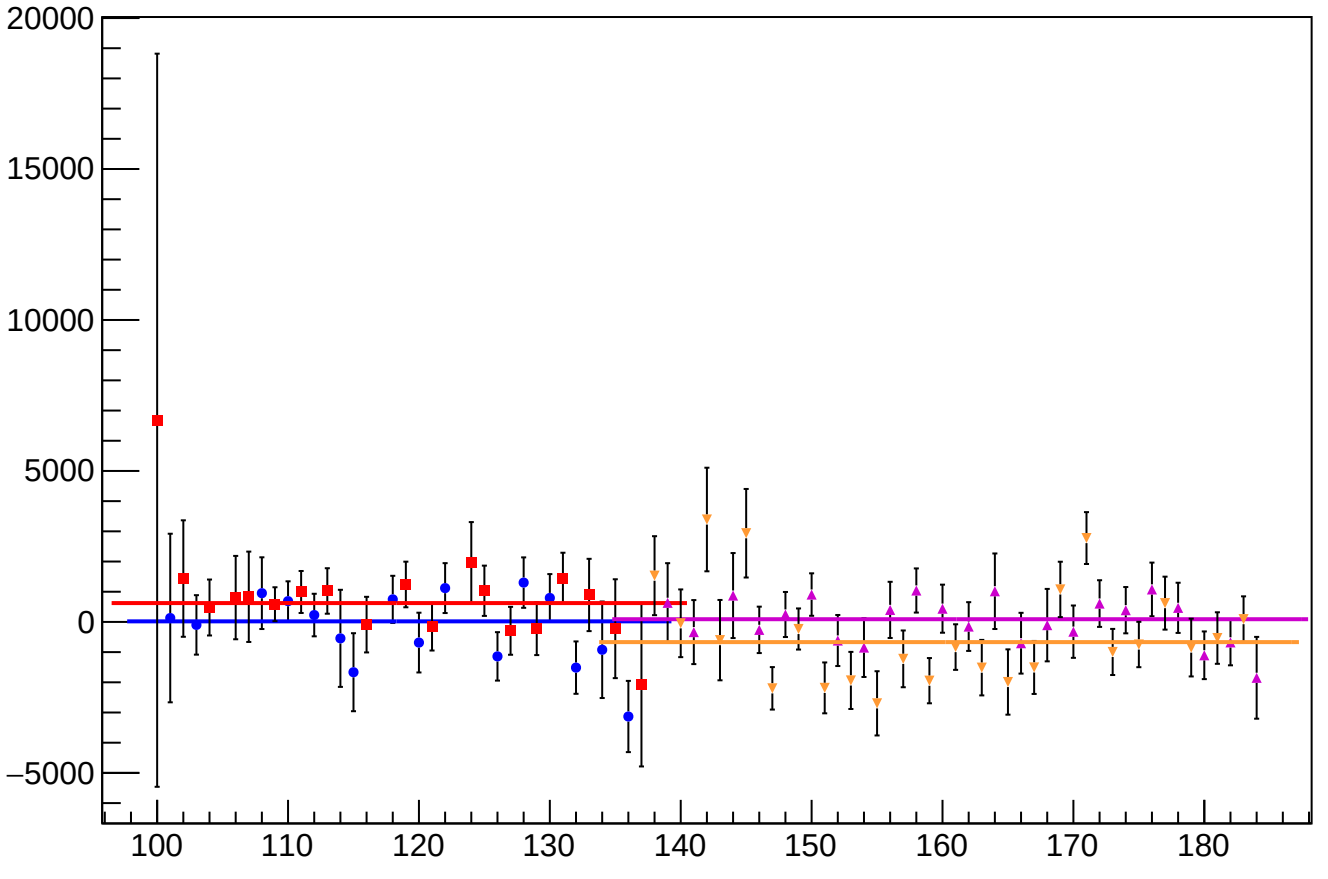
Left: 2738.621+/-0.316 χ^2/NDF: 5691.3/46

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2757.123+/-0.388 χ^2/NDF:755133.6/38

Out: 2752.564+/-0.379 χ^2/NDF:153439.8/42

All: 2754.789+/-0.271 χ^2/NDF: 908644.0/81



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: 89.643+/-183.492 χ^2/NDF:14.8/22

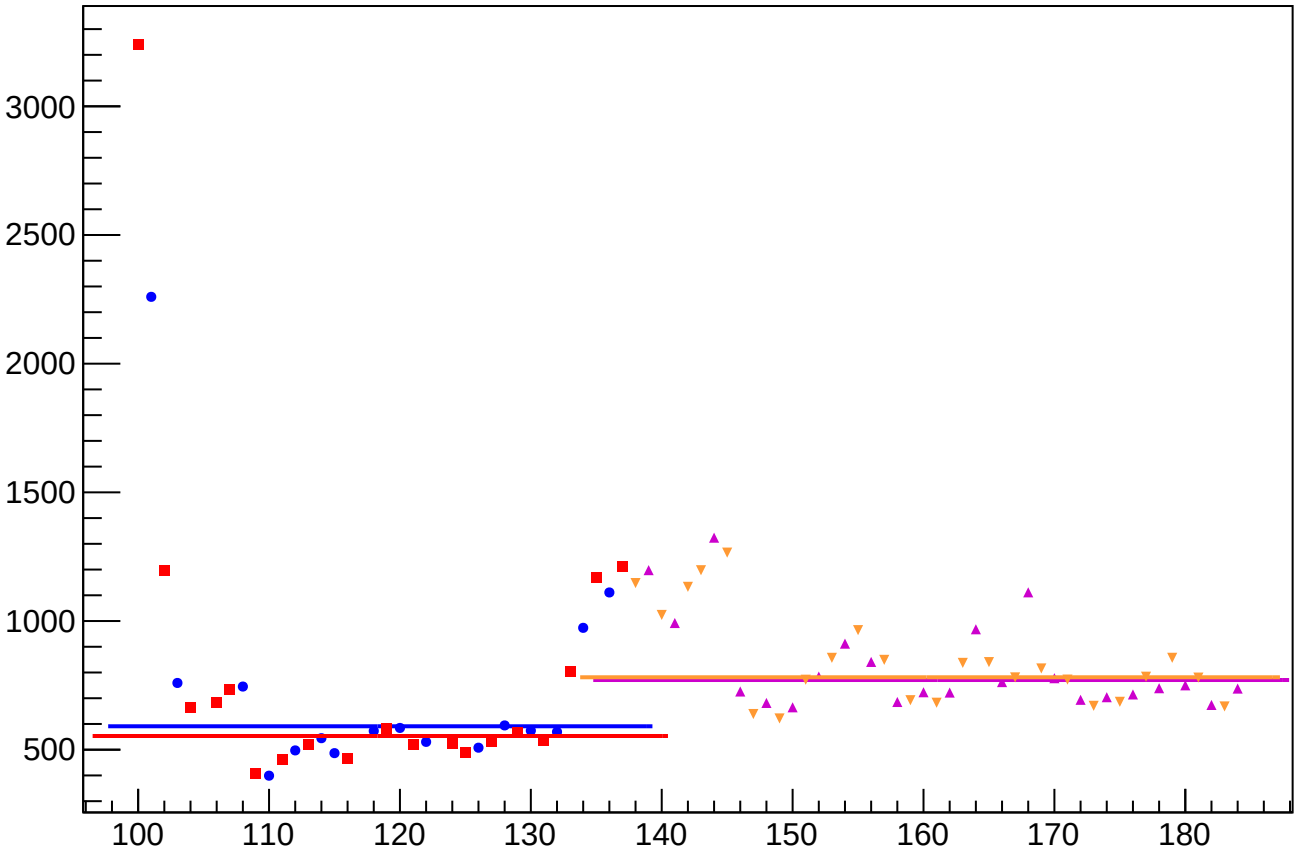
Left: -290.678+/-129.532 χ^2/NDF: 81.7/46

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 62.646+/-144.268 χ^2/NDF:37.6/38

Out: -128.437+/-139.547 χ^2/NDF:88.3/42

All: -36.073+/-100.302 χ^2/NDF: 126.8/81



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: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 776.125+/-0.092 χ^2/NDF: 2313775.8/46

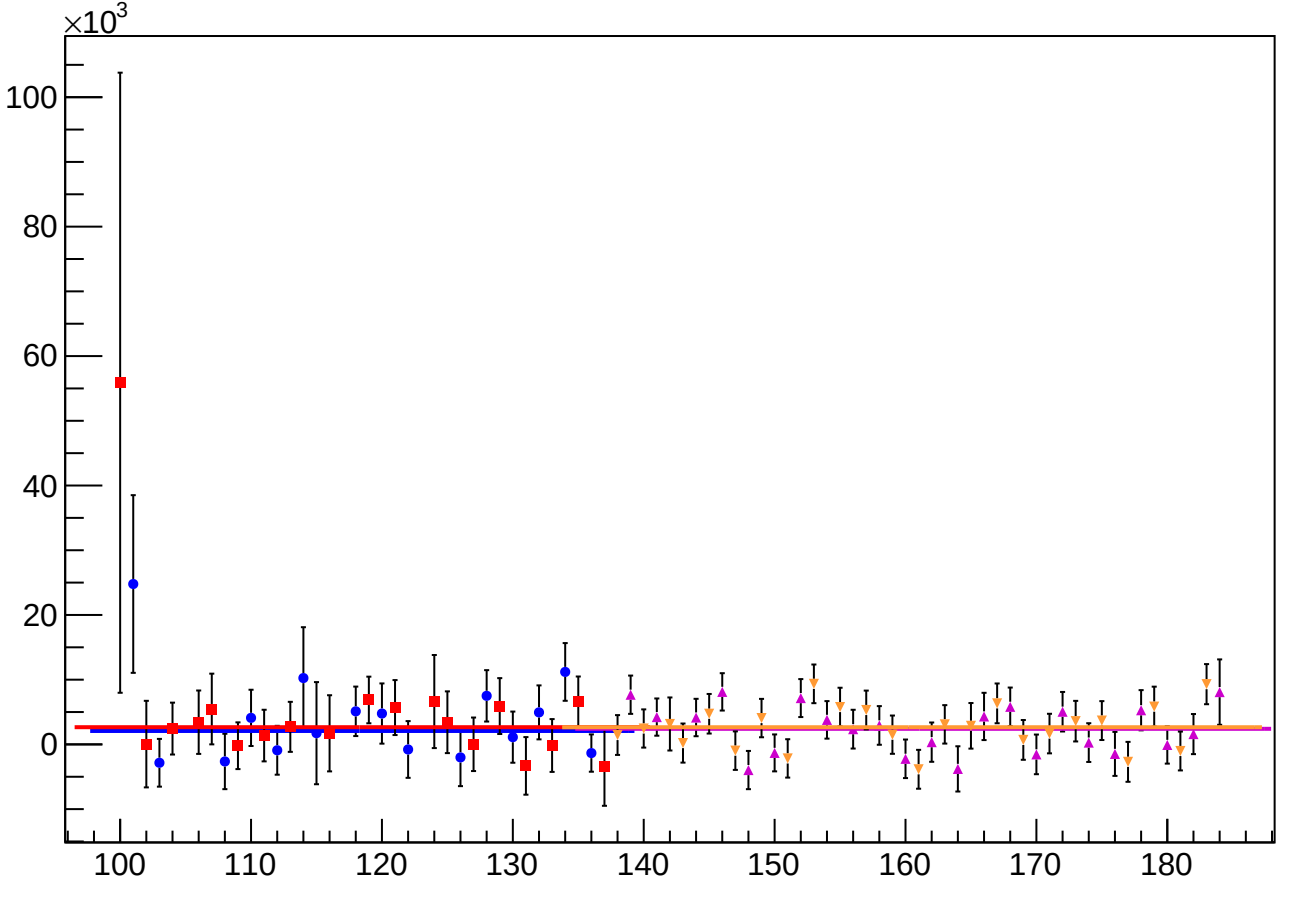
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 702.161+/-0.102 χ^2/NDF:3375838.3/38

Out: 686.090+/-0.099 χ^2/NDF:3636499.8/42

All: 693.858+/-0.071 χ^2/NDF: 7025160.0/81

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: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2531.615+/-447.699 χ^2/NDF: 61.6/46

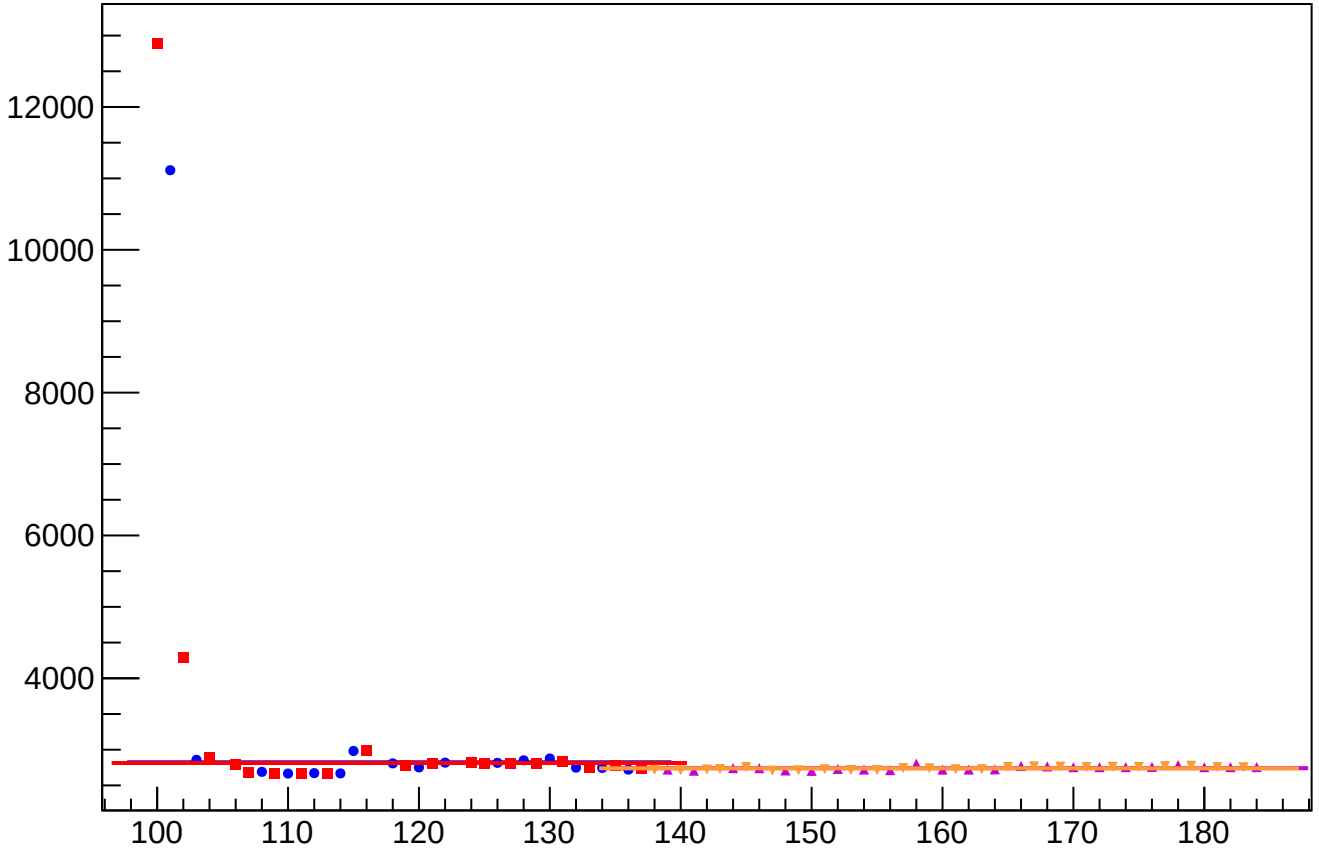
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2320.197+/-550.266 χ^2/NDF:49.8/38

Out: 2652.730+/-537.941 χ^2/NDF:39.7/42

All: 2490.229+/-384.665 χ^2/NDF: 89.6/81

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: 2741.391+/-0.453 χ^2/NDF:3369.6/22

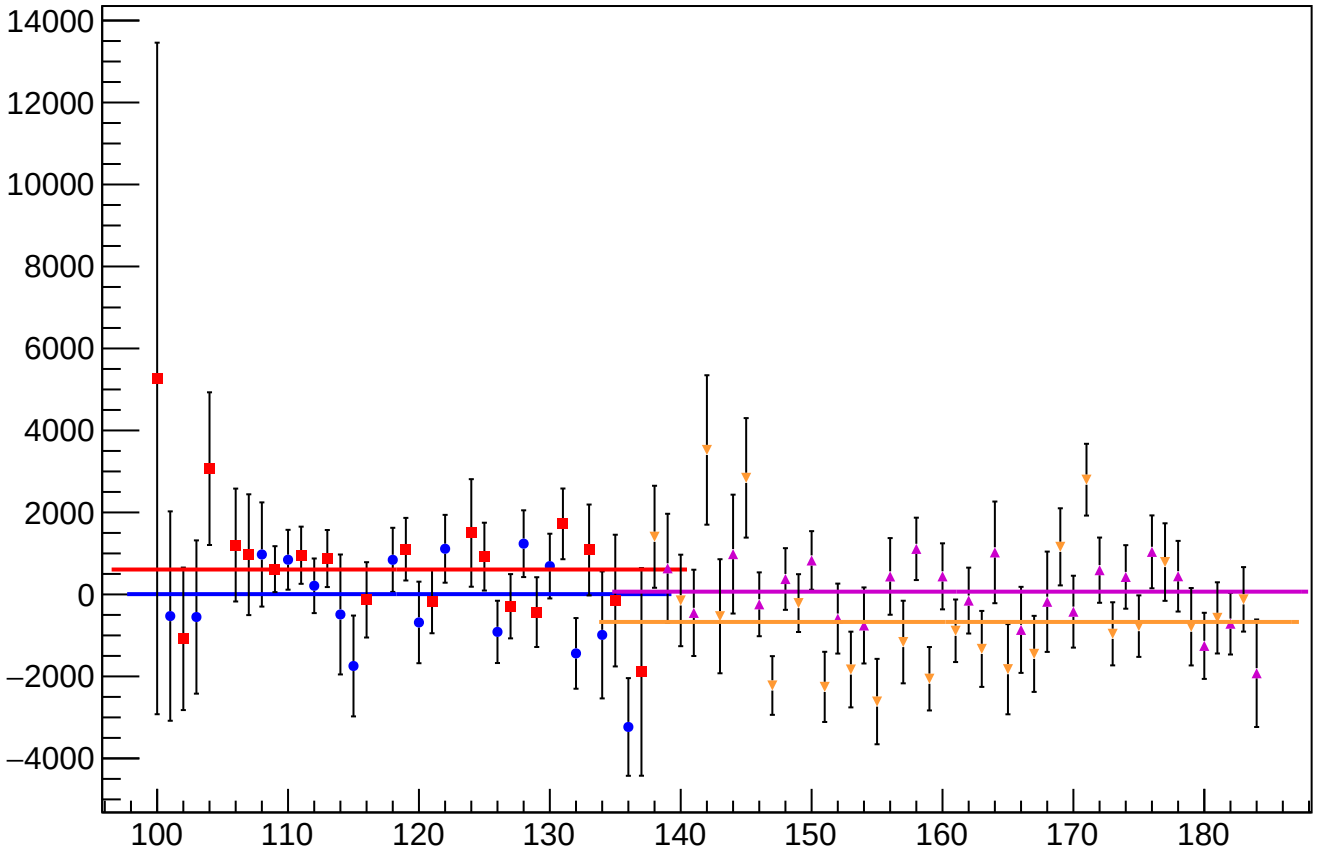
Left: 2740.276+/-0.317 χ^2/NDF: 5700.3/46

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

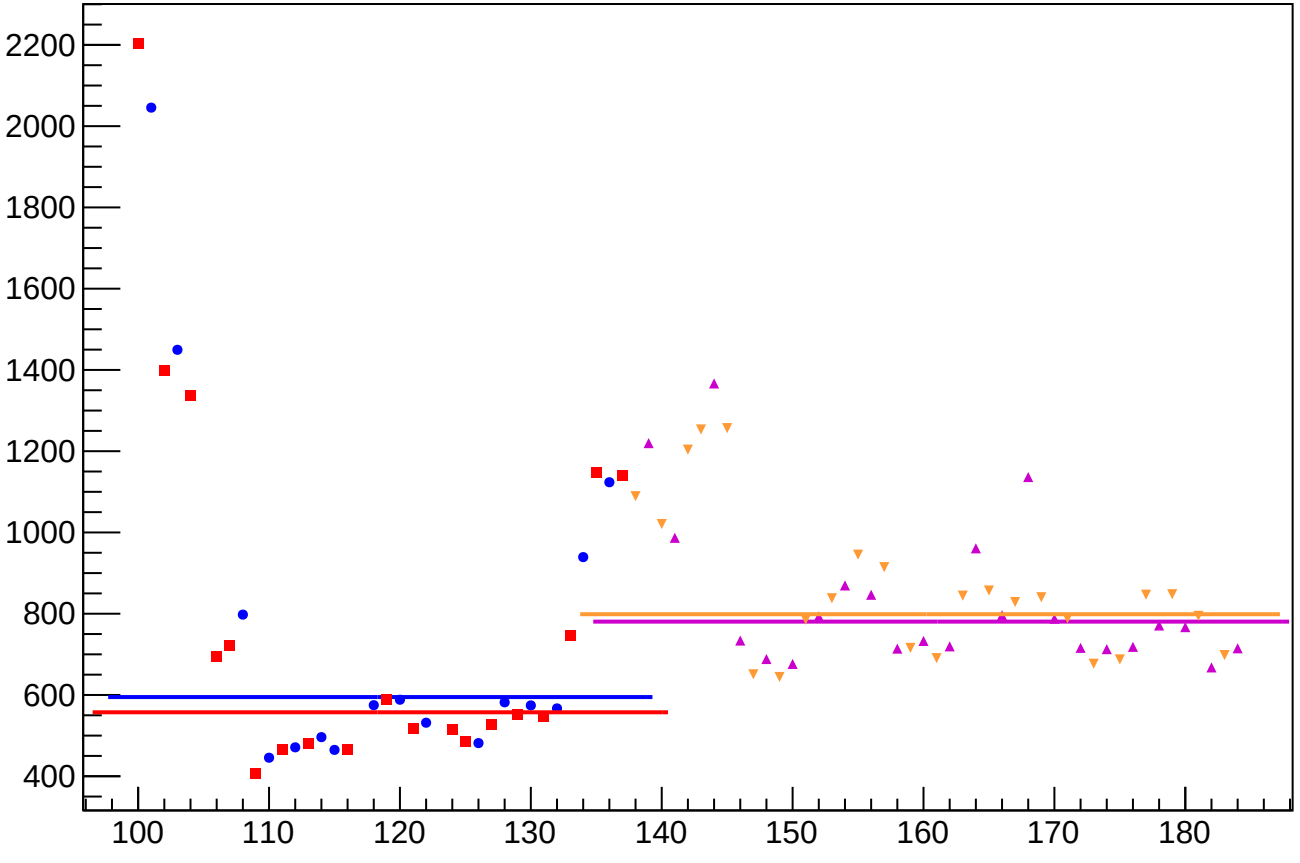
In: 2762.804+/-0.389 χ^2/NDF:755863.1/38

Out: 2758.798+/-0.380 χ^2/NDF:210280.2/42

All: 2760.755+/-0.272 χ^2/NDF: 966197.5/81


asym_atr1_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: 7.048+/-237.455 χ²/NDF: 22.8/15
Left Out: -671.356+/-186.453 χ²/NDF:56.1/23
Right Out: 607.647+/-217.093 χ²/NDF: 12.2/18
Left In: 67.156+/-185.436 χ²/NDF:15.8/22
Left: -300.079+/-131.481 χ²/NDF: 79.8/46
Right: 334.198+/-160.224 χ²/NDF: 38.5/34
In: 44.386+/-146.151 χ²/NDF:38.7/38
Out: -128.409+/-141.446 χ²/NDF:88.3/42
All: -44.838+/-101.640 χ²/NDF: 127.7/81

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: 780.525+/-0.131 χ^2/NDF:1064827.5/22

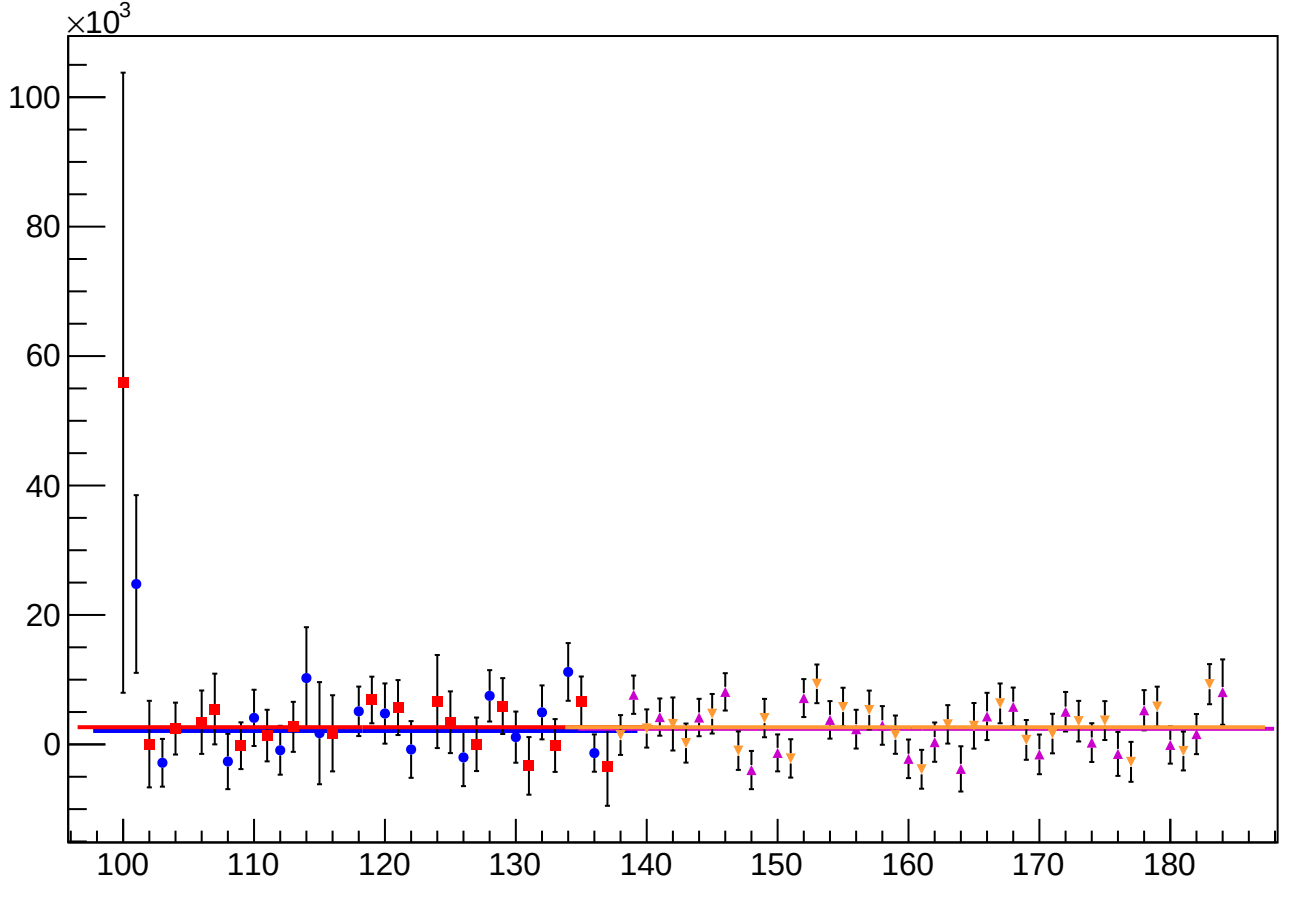
Left: 789.591+/-0.093 χ^2/NDF: 2241151.6/46

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 710.190+/-0.103 χ^2/NDF:3677028.8/38

Out: 696.297+/-0.100 χ^2/NDF:4220684.4/42

All: 703.016+/-0.072 χ^2/NDF: 7907044.9/81



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: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2531.615+/-447.699 χ^2/NDF: 61.6/46

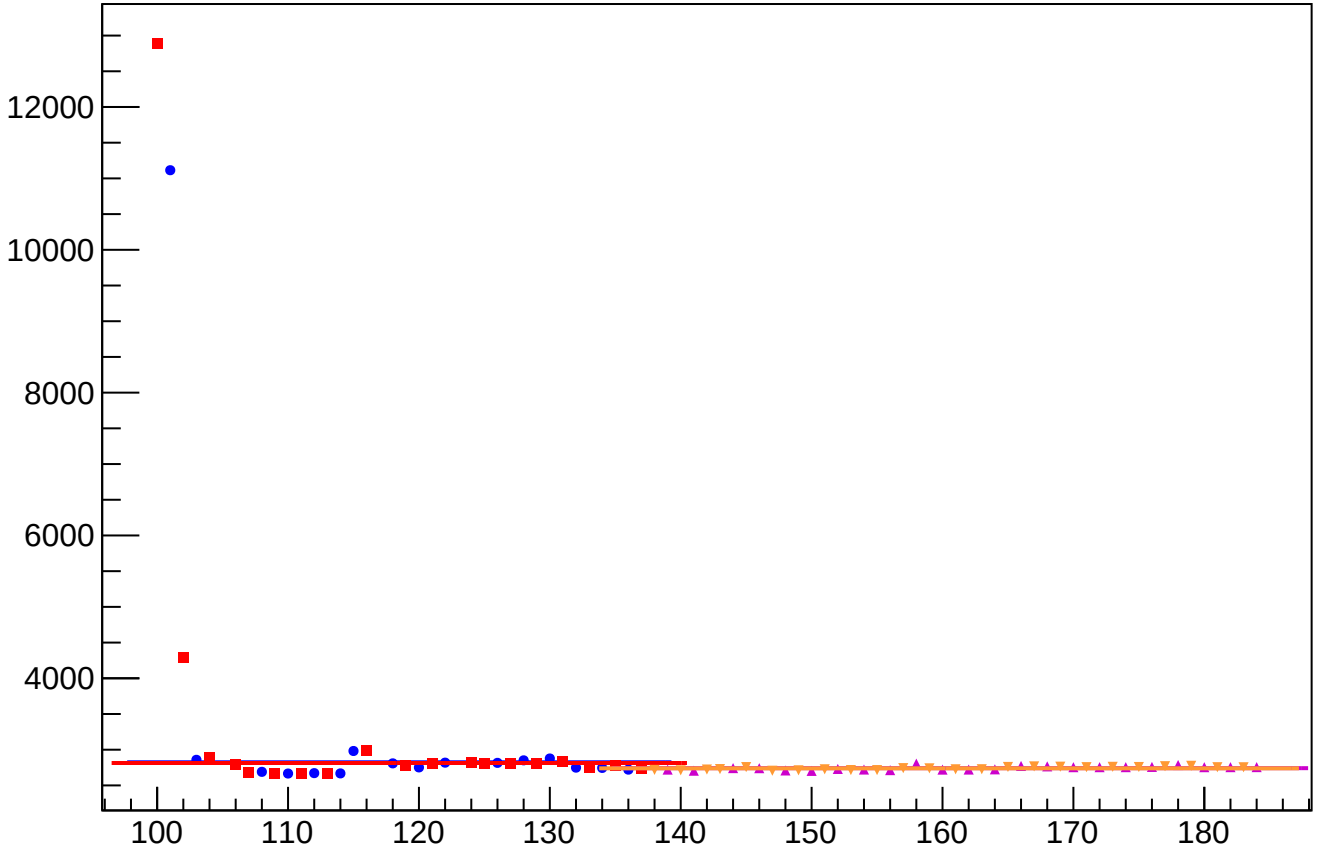
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2320.196+/-550.266 χ^2/NDF:49.8/38

Out: 2652.731+/-537.941 χ^2/NDF:39.7/42

All: 2490.229+/-384.665 χ^2/NDF: 89.6/81

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: 2741.391+/-0.453 χ^2/NDF:3369.6/22

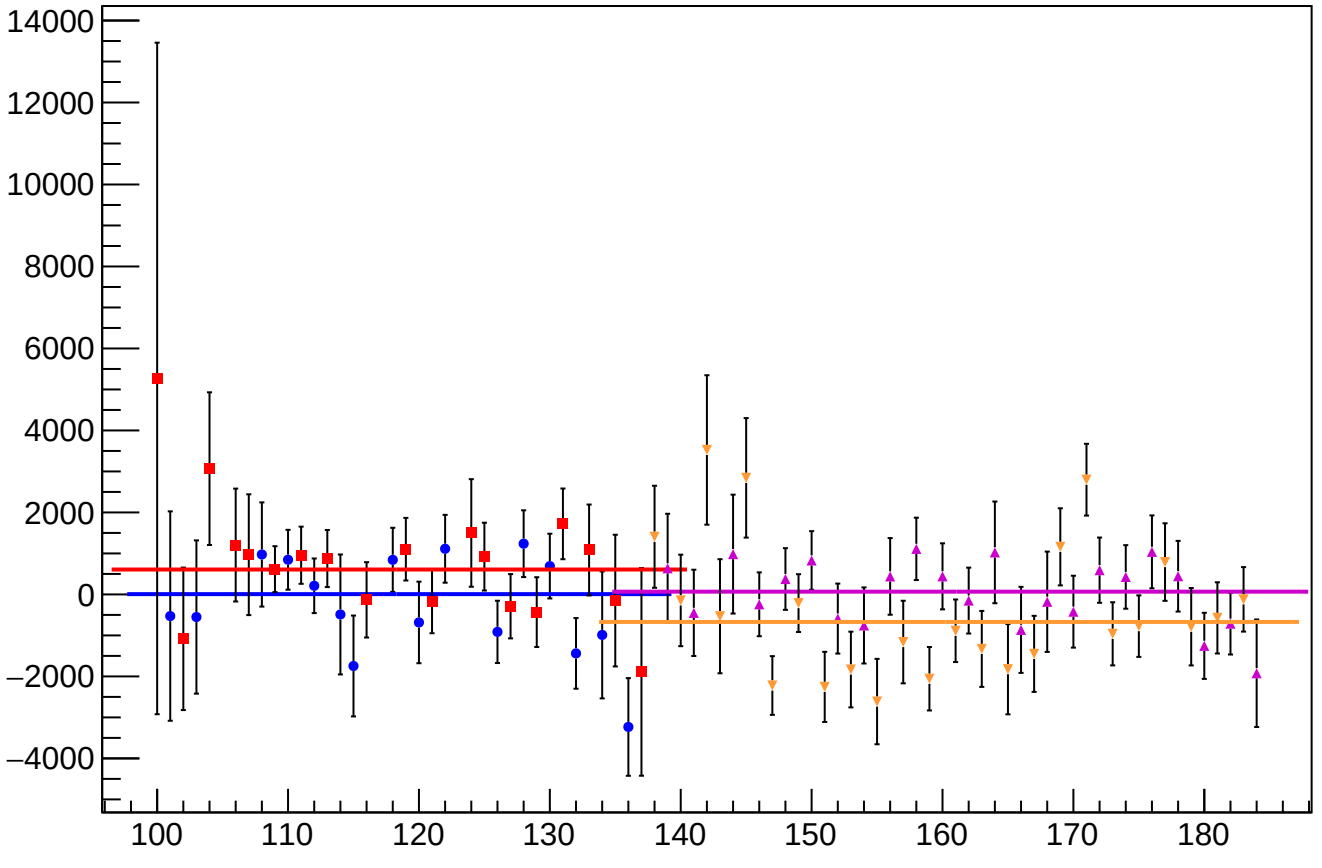
Left: 2740.276+/-0.317 χ^2/NDF: 5700.3/46

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2762.804+/-0.389 χ^2/NDF:755863.1/38

Out: 2758.798+/-0.380 χ^2/NDF:210280.0/42

All: 2760.755+/-0.272 χ^2/NDF: 966197.2/81



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: 67.157+/-185.436 χ^2/NDF:15.8/22

Left: -300.079+/-131.481 χ^2/NDF: 79.8/46

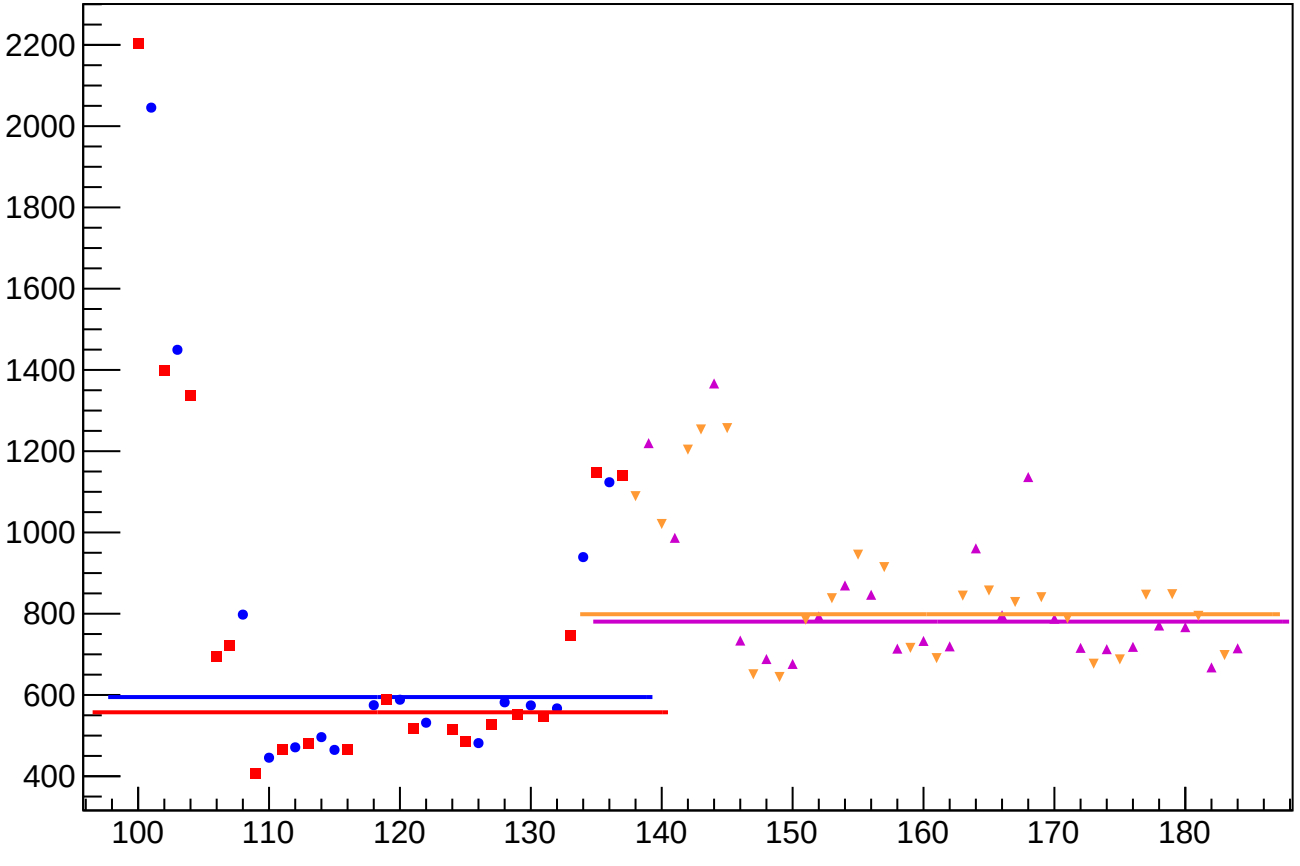
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 44.386+/-146.151 χ^2/NDF:38.7/38

Out: -128.410+/-141.446 χ^2/NDF:88.3/42

All: -44.838+/-101.640 χ^2/NDF: 127.7/81

asym_atr1_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 780.525+/-0.131 χ^2/NDF:1064830.7/22

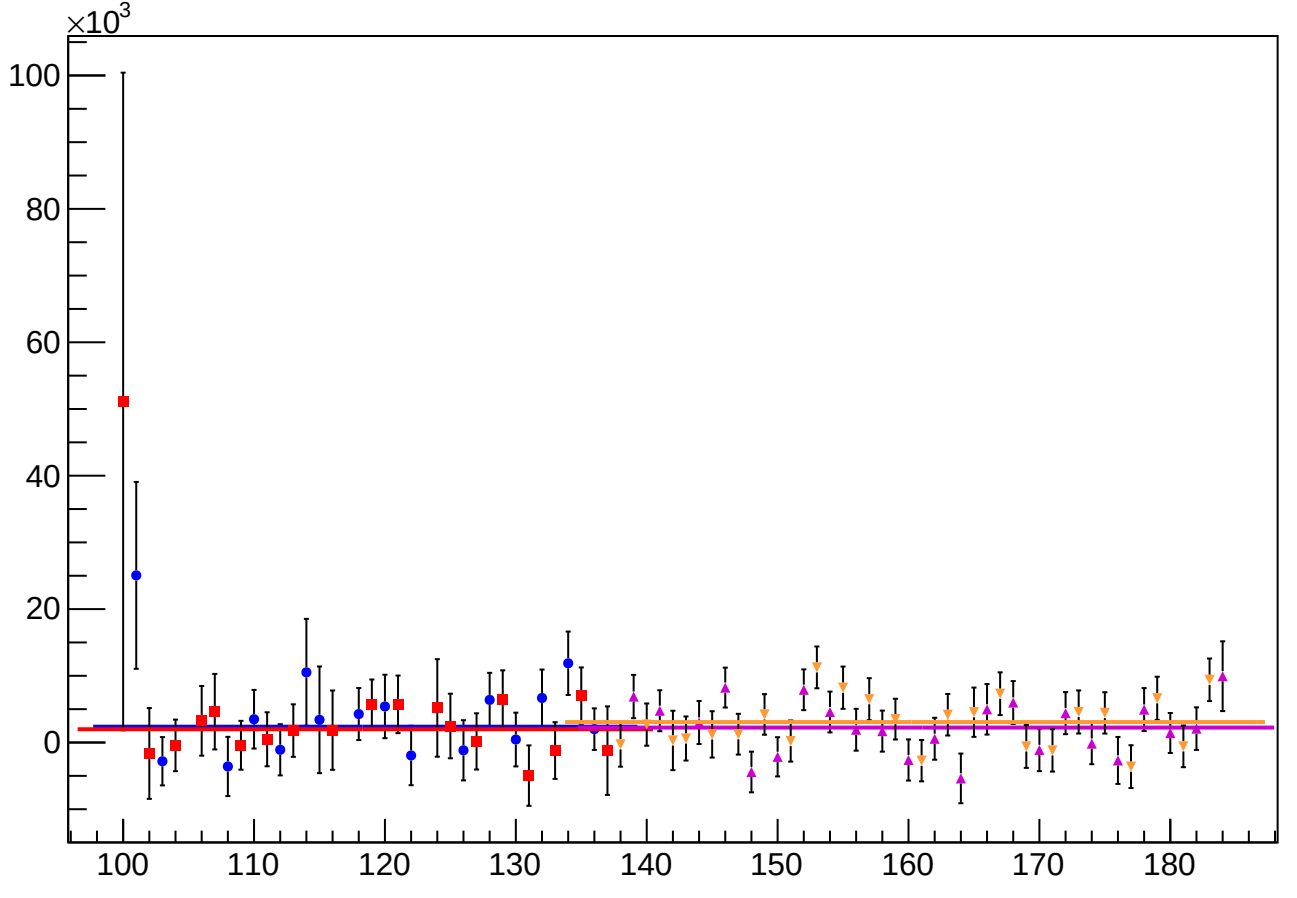
Left: 789.591+/-0.093 χ^2/NDF: 2241156.9/46

Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 710.190+/-0.103 χ^2/NDF:3677021.4/38

Out: 696.297+/-0.100 χ^2/NDF:4220682.6/42

All: 703.016+/-0.072 χ^2/NDF: 7907035.6/81



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: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2659.862+/-469.518 χ^2/NDF: 68.7/46

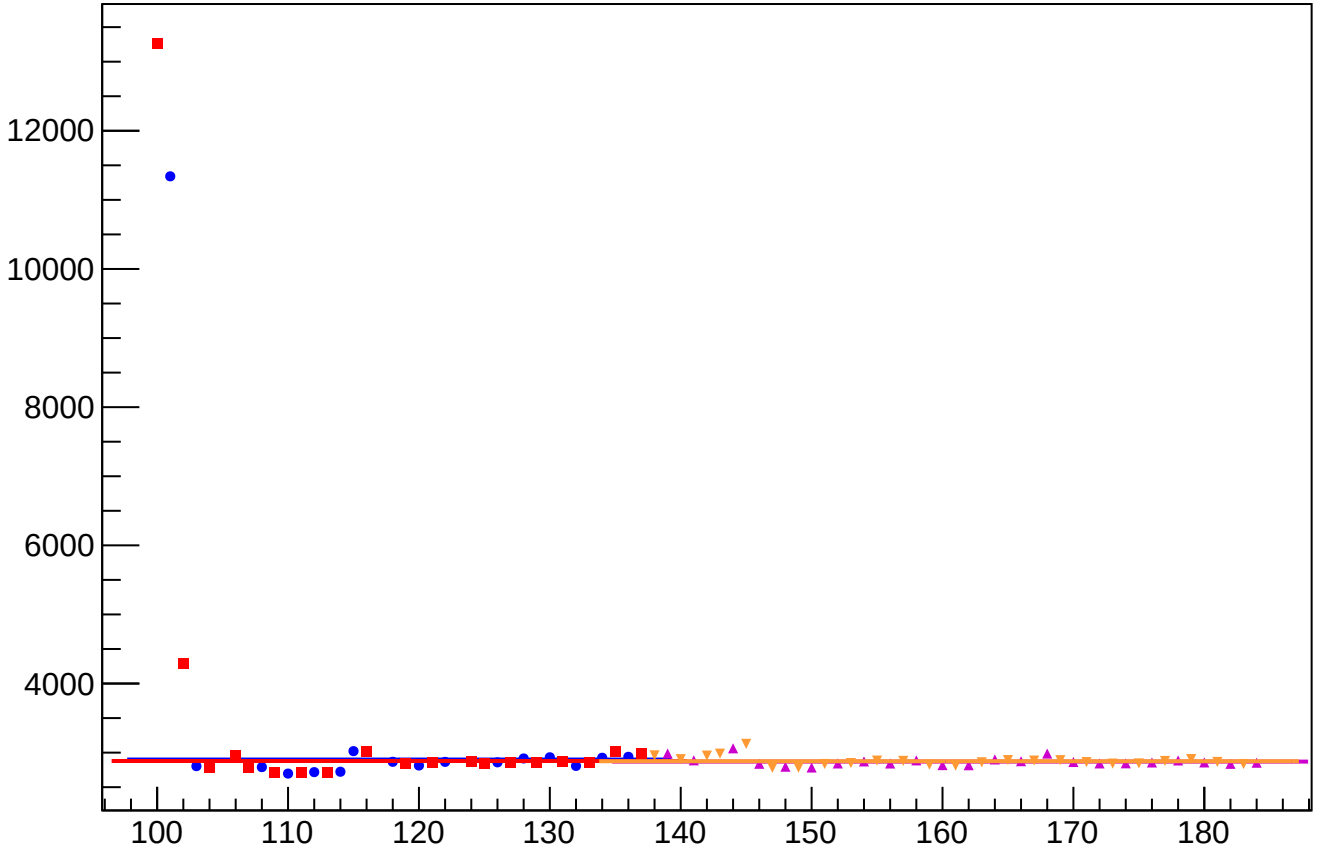
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2272.324+/-573.285 χ^2/NDF:50.7/38

Out: 2772.627+/-561.163 χ^2/NDF:45.2/42

All: 2527.821+/-401.019 χ^2/NDF: 96.2/81

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: 2870.153+/-0.474 χ^2/NDF:17687.5/22

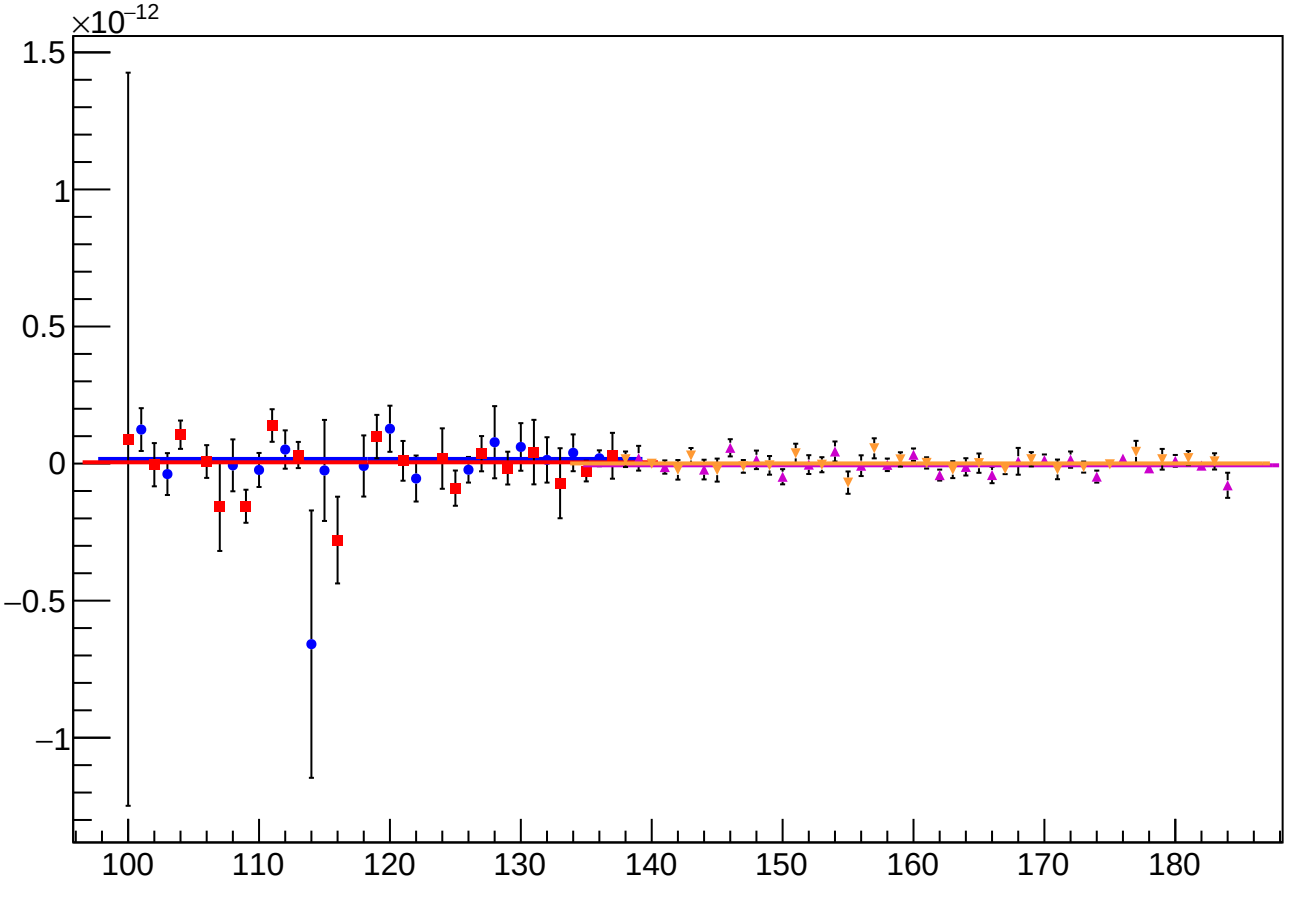
Left: 2872.902+/-0.332 χ^2/NDF: 39415.0/46

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2878.123+/-0.405 χ^2/NDF:760558.4/38

Out: 2876.478+/-0.397 χ^2/NDF:214958.4/42

All: 2877.283+/-0.284 χ^2/NDF: 975525.2/81



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:27.9/22

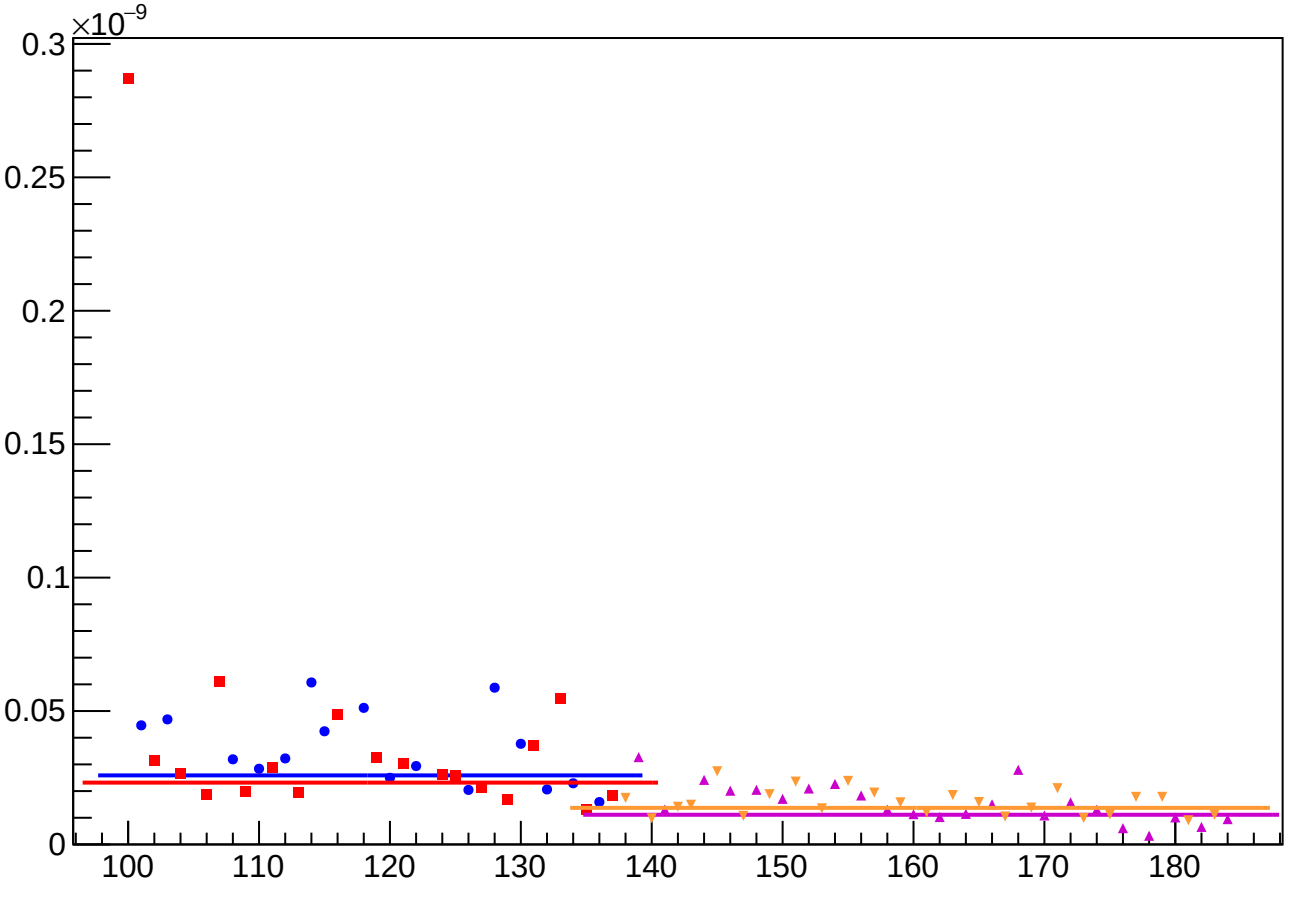
Left: -0.000+/-0.000 χ^2/NDF: 42.6/46

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:38.6/38

Out: 0.000+/-0.000 χ^2/NDF:39.6/42

All: -0.000+/-0.000 χ^2/NDF: 78.7/81



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:3166775.9/22

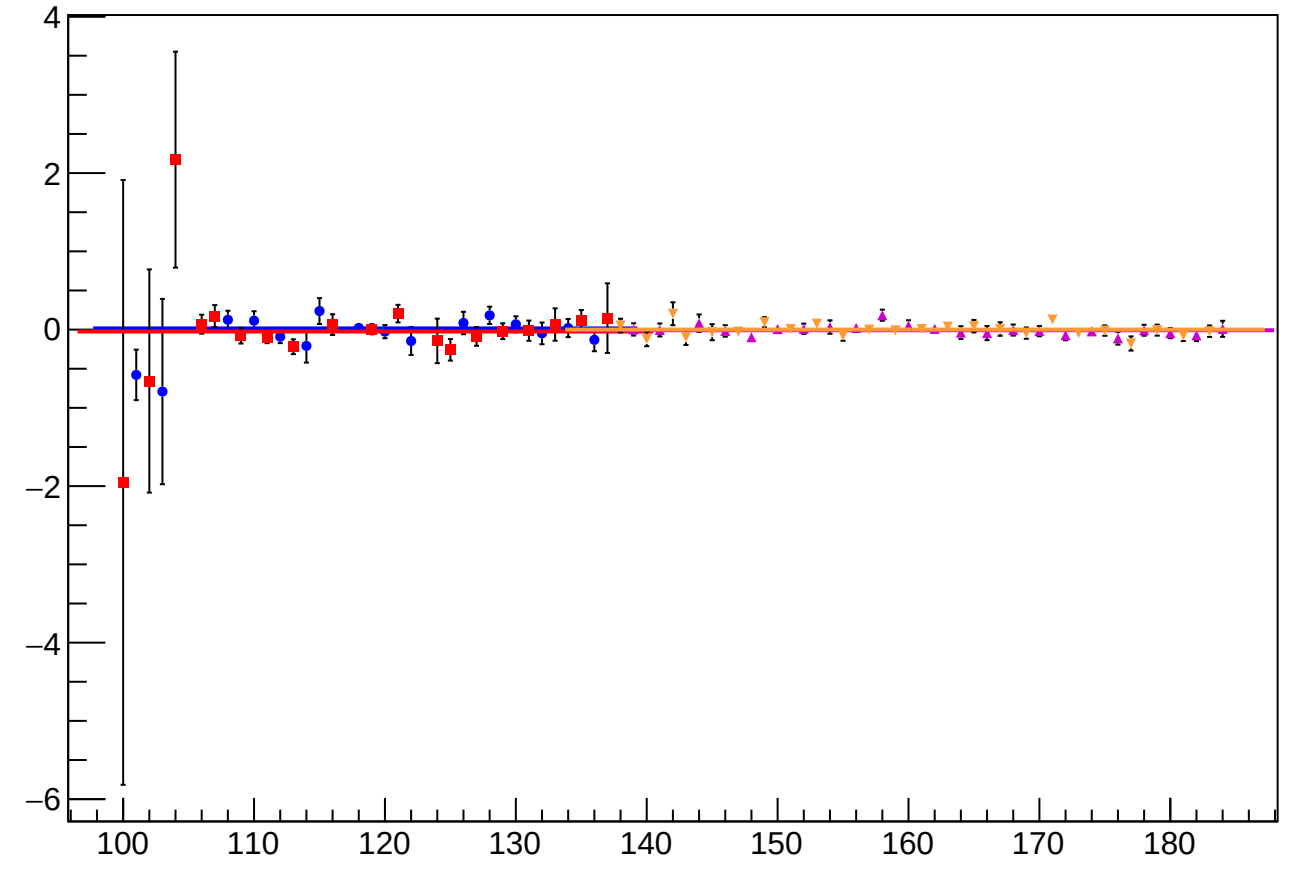
Left: 0.000+/-0.000 χ^2/NDF: 4621745.1/46

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:5438194.7/38

Out: 0.000+/-0.000 χ^2/NDF:2548146.1/42

All: 0.000+/-0.000 χ^2/NDF: 8221003.5/81



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: -0.008+/-0.015 χ^2/NDF:15.5/22

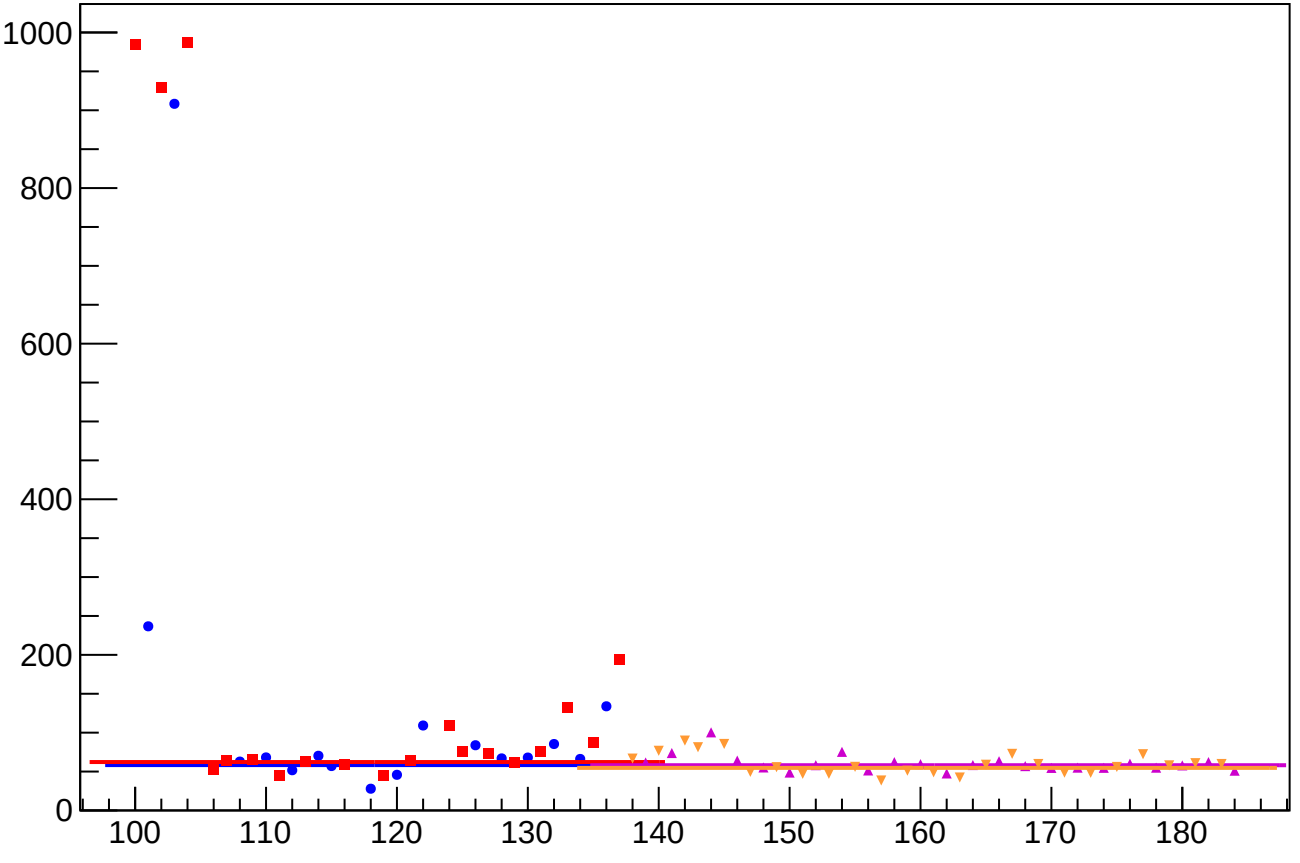
Left: -0.004+/-0.010 χ^2/NDF: 37.4/46

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.003+/-0.013 χ^2/NDF:31.1/38

Out: -0.004+/-0.013 χ^2/NDF:43.1/42

All: -0.004+/-0.009 χ^2/NDF: 74.2/81



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: 58.138+/-0.010 χ^2/NDF:657436.9/22

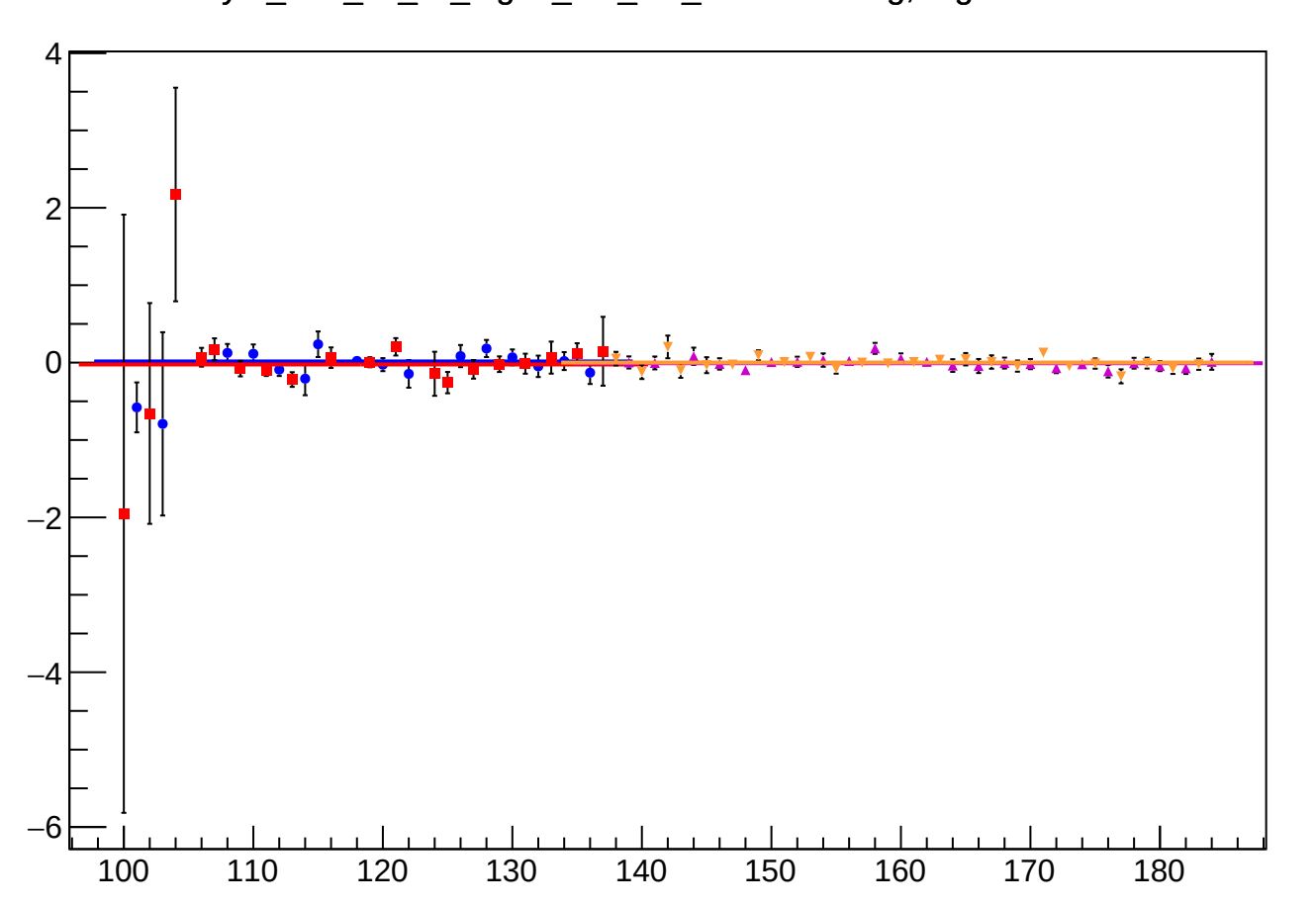
Left: 56.343+/-0.007 χ^2/NDF: 1919968.0/46

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.177+/-0.009 χ^2/NDF:3917902.5/38

Out: 56.239+/-0.009 χ^2/NDF:3948542.7/42

All: 57.172+/-0.006 χ^2/NDF: 7889156.6/81



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: -0.008+/-0.015 χ^2/NDF:15.5/22

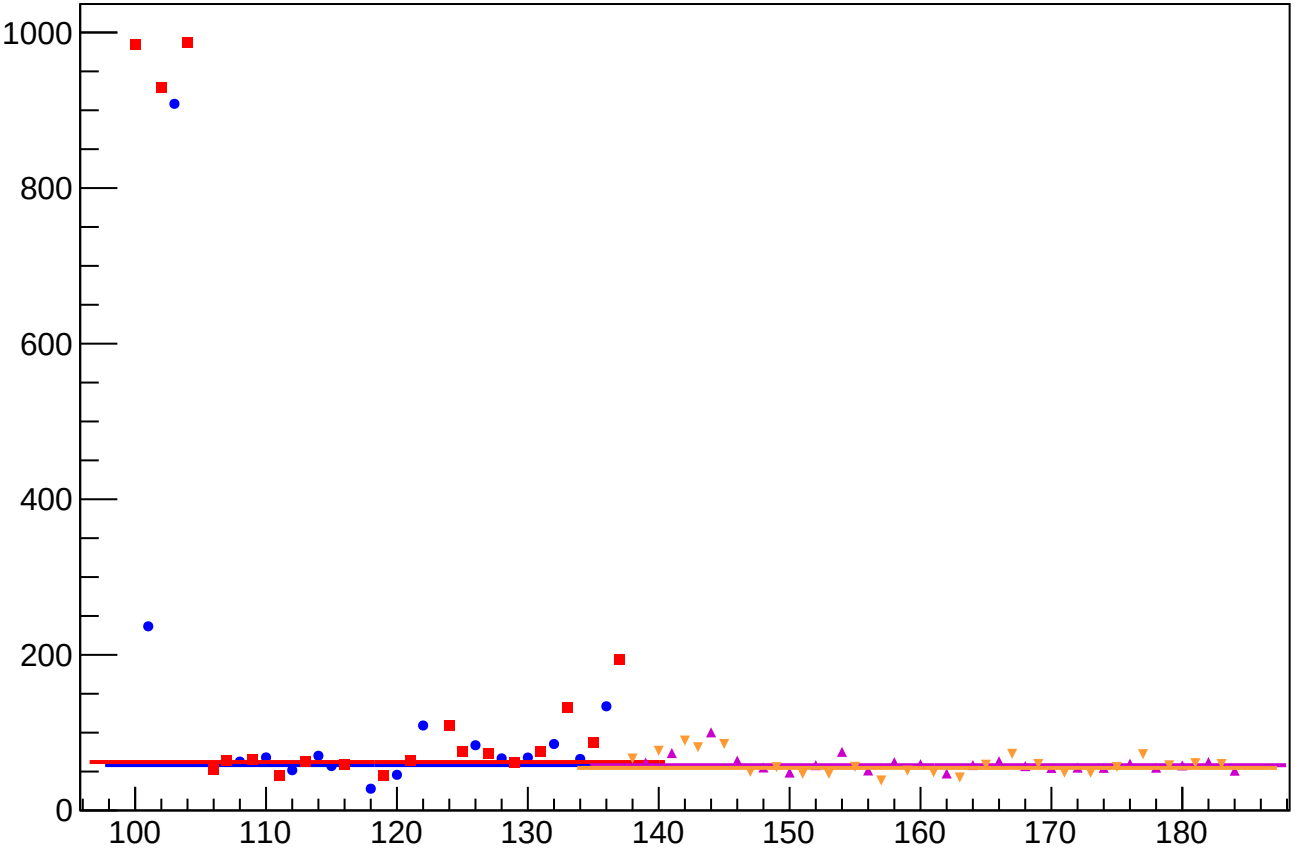
Left: -0.004+/-0.010 χ^2/NDF: 37.4/46

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.003+/-0.013 χ^2/NDF:31.1/38

Out: -0.004+/-0.013 χ^2/NDF:43.1/42

All: -0.004+/-0.009 χ^2/NDF: 74.2/81



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: 58.138+/-0.010 χ^2/NDF:657436.9/22

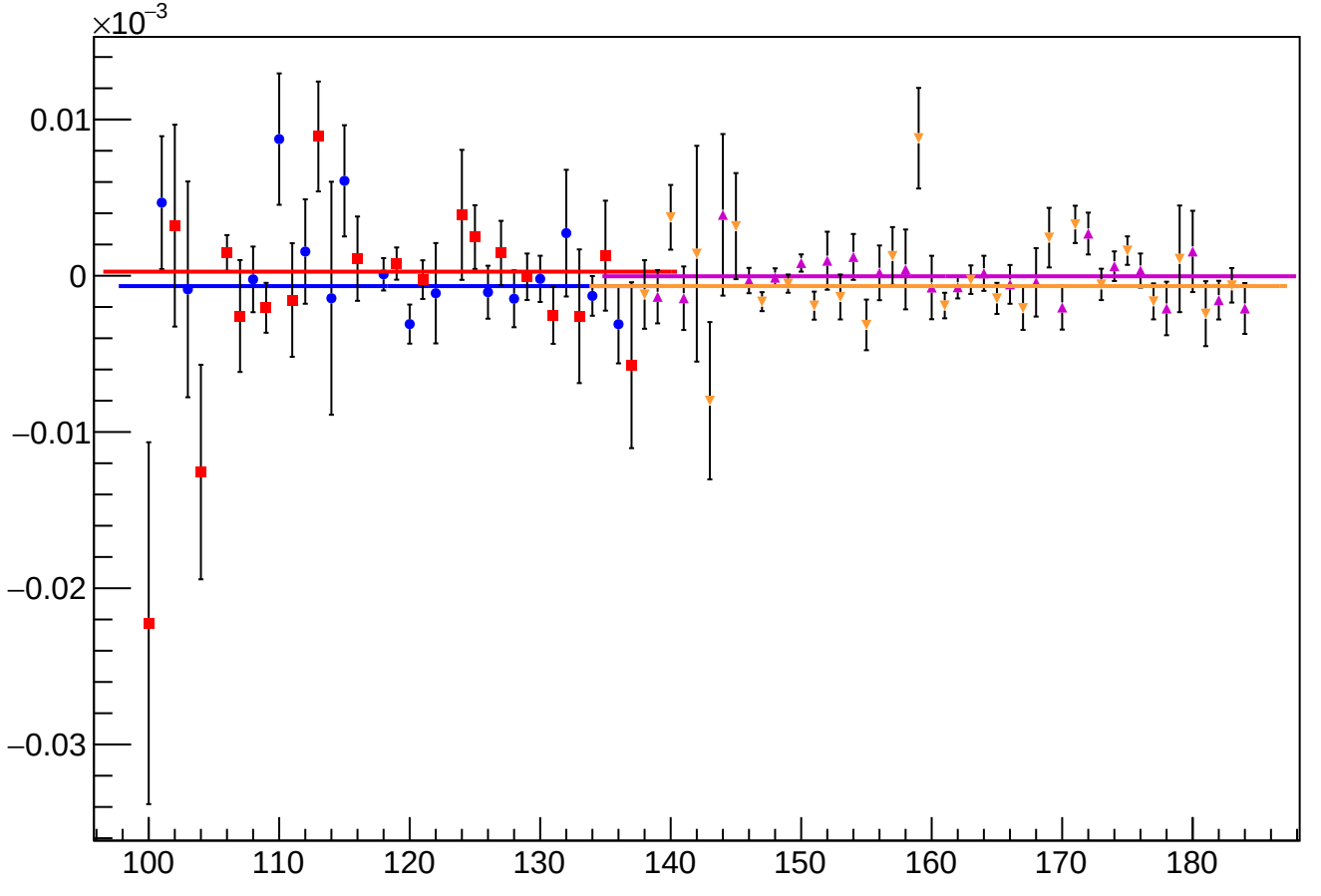
Left: 56.343+/-0.007 χ^2/NDF: 1919968.0/46

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.177+/-0.009 χ^2/NDF:3917902.5/38

Out: 56.239+/-0.009 χ^2/NDF:3948542.7/42

All: 57.172+/-0.006 χ^2/NDF: 7889156.6/81



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:18.2/22

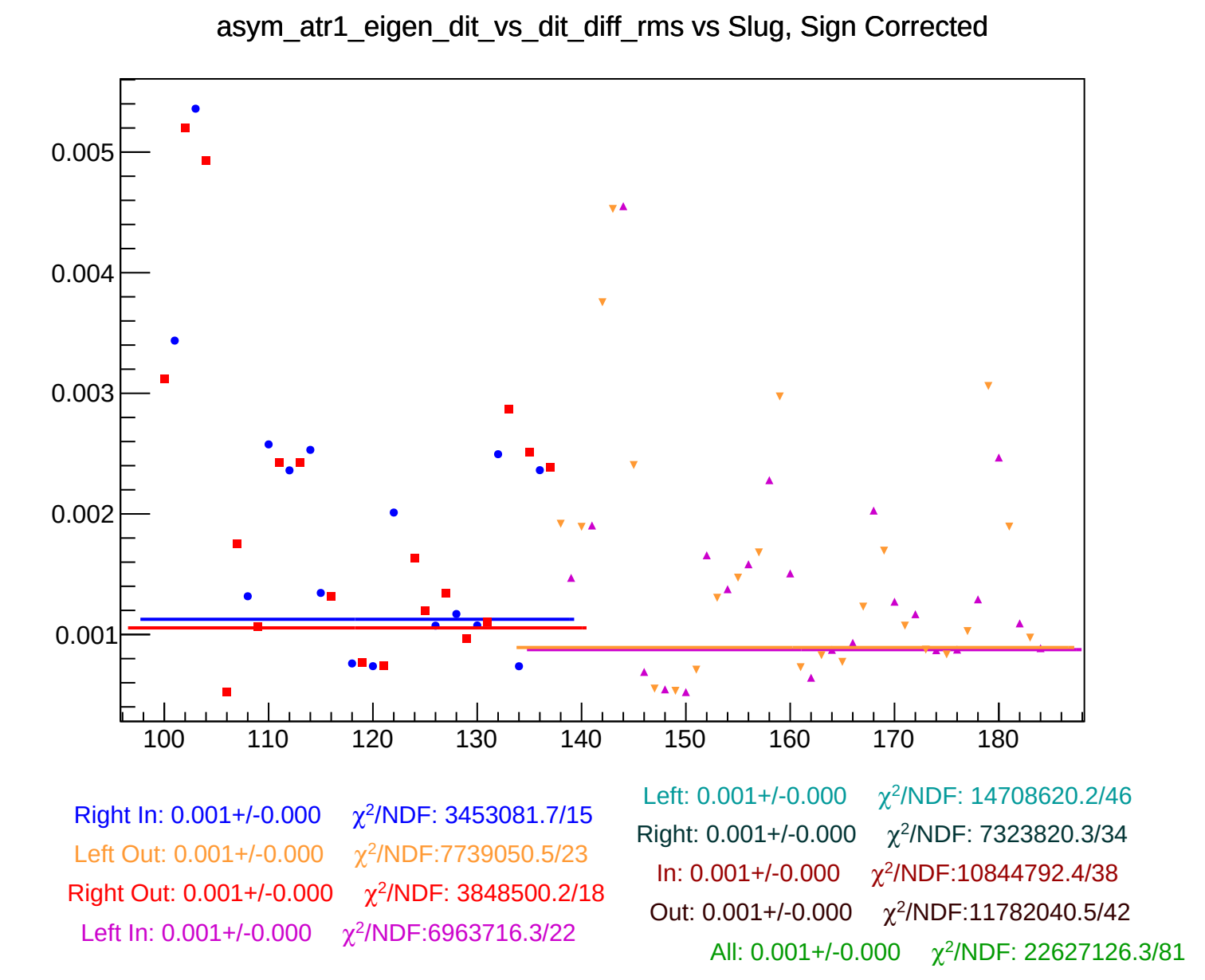
Left: -0.000+/-0.000 χ^2/NDF: 72.5/46

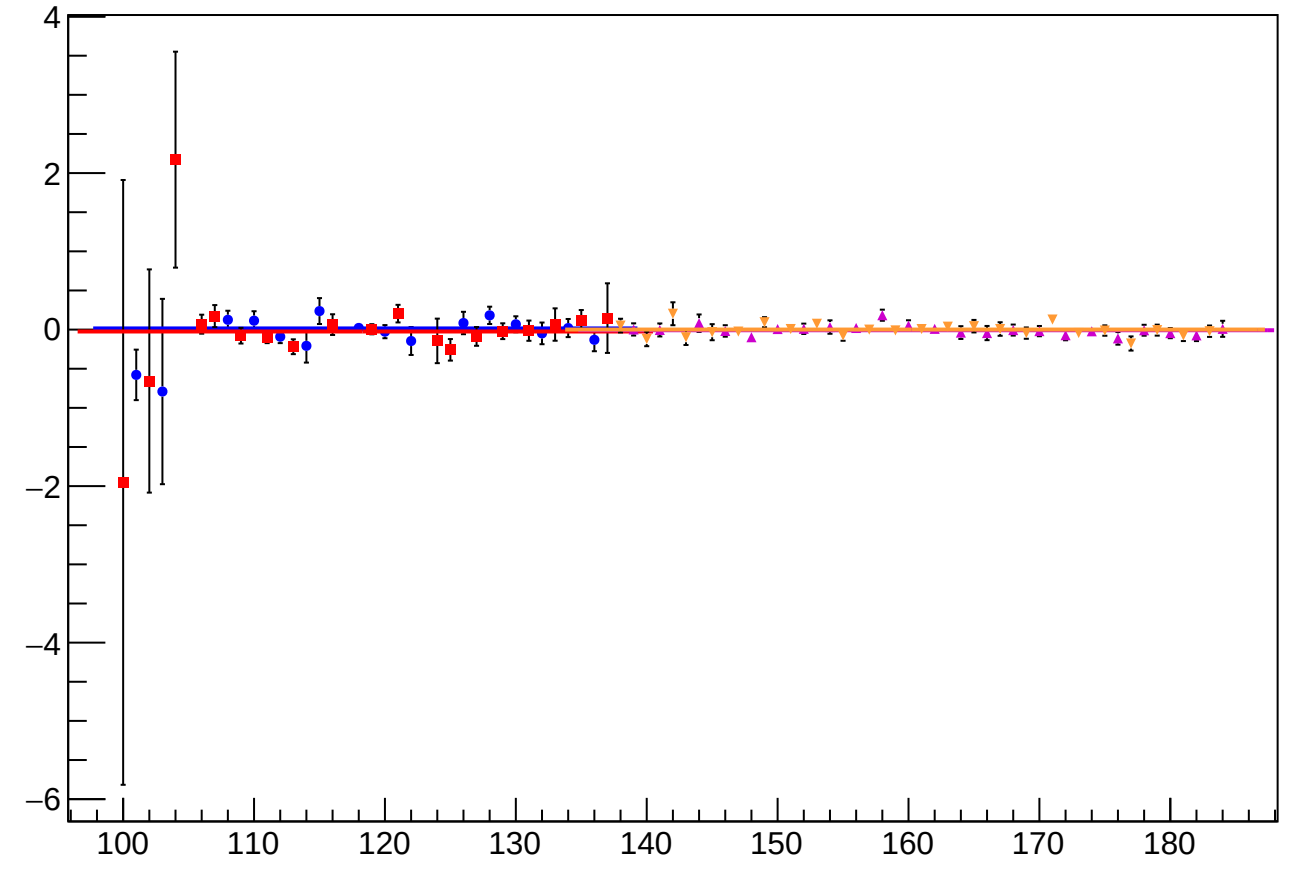
Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:36.8/38

Out: -0.000+/-0.000 χ^2/NDF:78.5/42

All: -0.000+/-0.000 χ^2/NDF: 116.4/81


asym_atr1_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: 3453081.7/15
Left Out: 0.001+/-0.000 χ²/NDF:7739050.5/23
Right Out: 0.001+/-0.000 χ²/NDF: 3848500.2/18
Left In: 0.001+/-0.000 χ²/NDF:6963716.3/22
Left: 0.001+/-0.000 χ²/NDF: 14708620.2/46
Right: 0.001+/-0.000 χ²/NDF: 7323820.3/34
In: 0.001+/-0.000 χ²/NDF:10844792.4/38
Out: 0.001+/-0.000 χ²/NDF:11782040.5/42
All: 0.001+/-0.000 χ²/NDF: 22627126.3/81



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: -0.008+/-0.015 χ^2/NDF:15.5/22

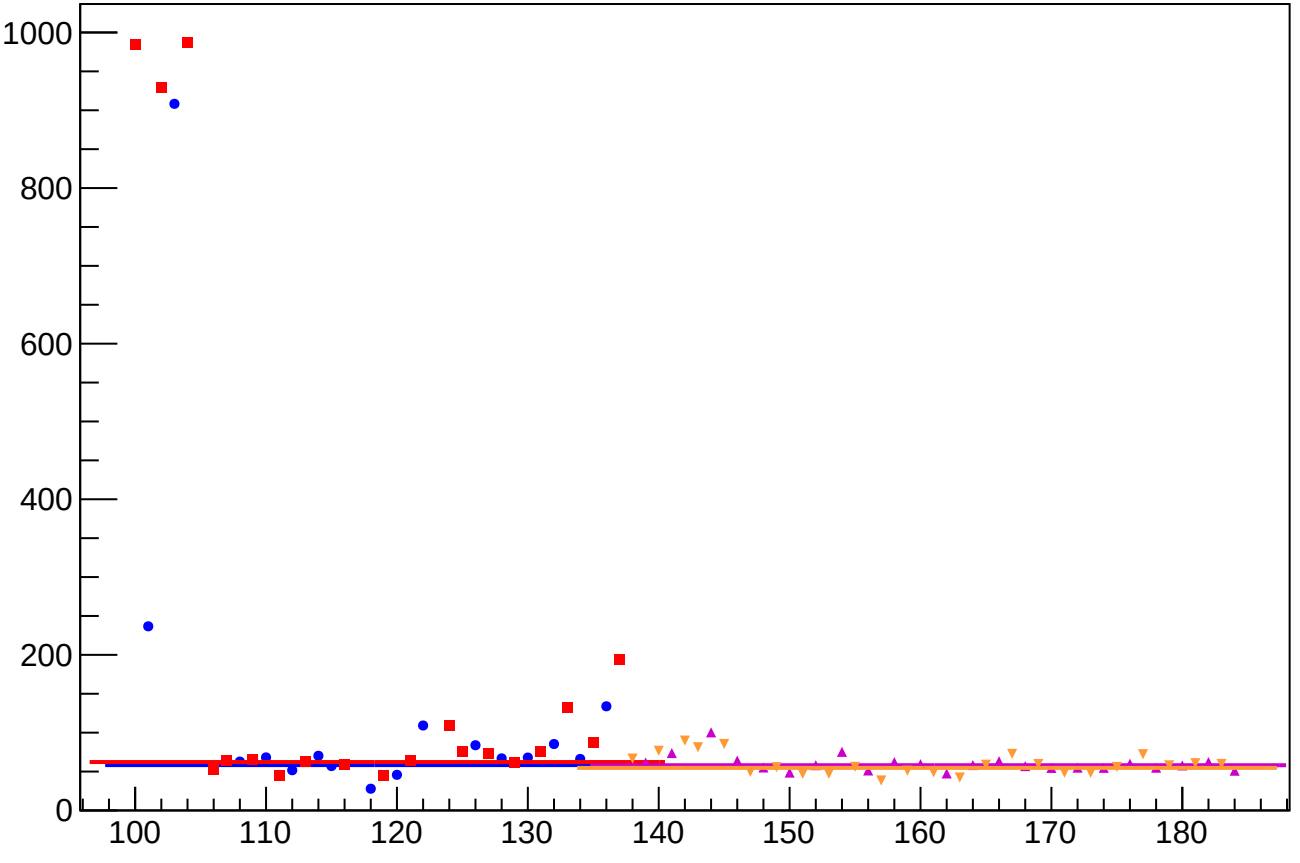
Left: -0.004+/-0.010 χ^2/NDF: 37.4/46

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.003+/-0.013 χ^2/NDF:31.1/38

Out: -0.004+/-0.013 χ^2/NDF:43.1/42

All: -0.004+/-0.009 χ^2/NDF: 74.2/81



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: 58.138+/-0.010 χ^2/NDF:657460.3/22

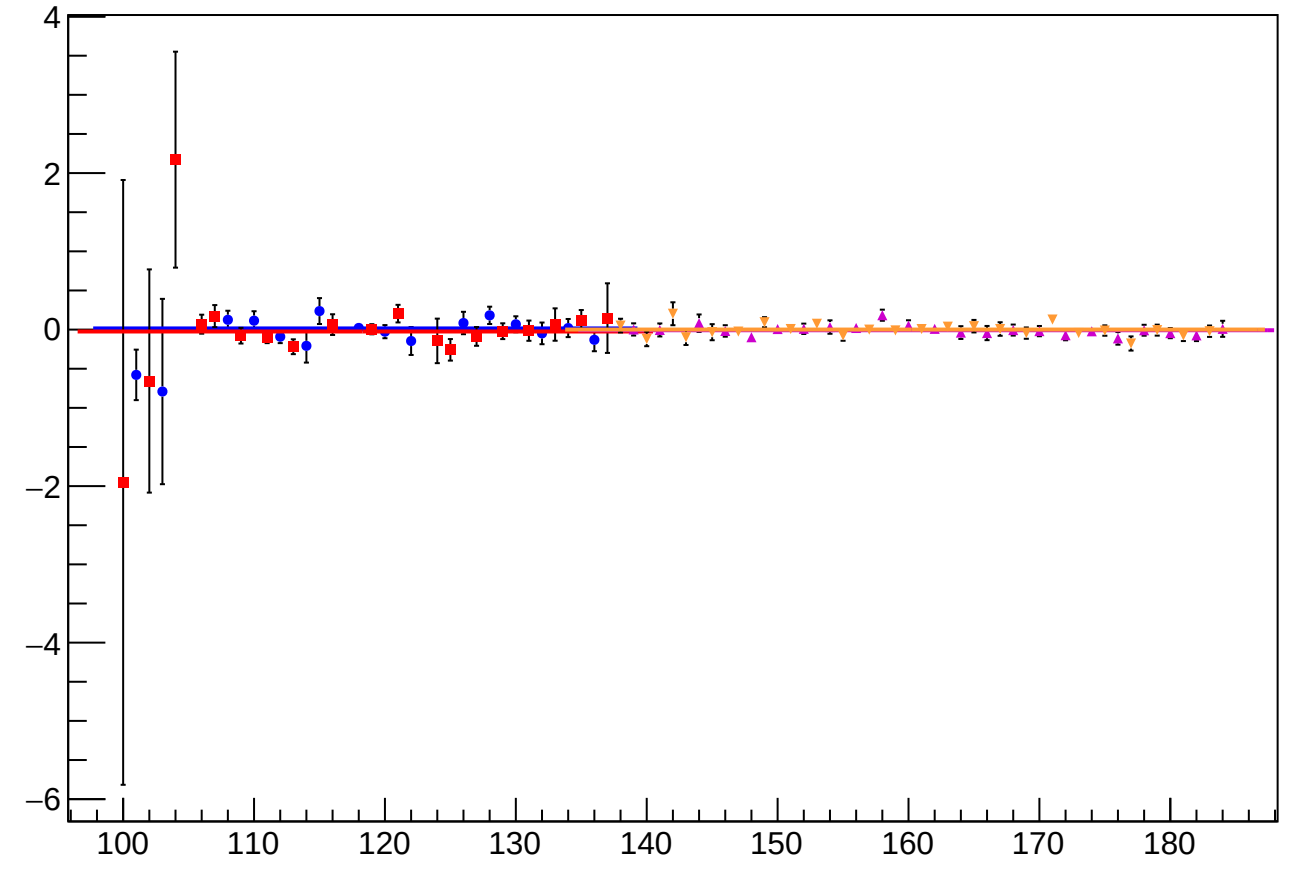
Left: 56.343+/-0.007 χ^2/NDF: 1920081.2/46

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.176+/-0.009 χ^2/NDF:3918005.3/38

Out: 56.239+/-0.009 χ^2/NDF:3948617.8/42

All: 57.172+/-0.006 χ^2/NDF: 7889339.7/81



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: -0.008+/-0.015 χ^2/NDF:15.5/22

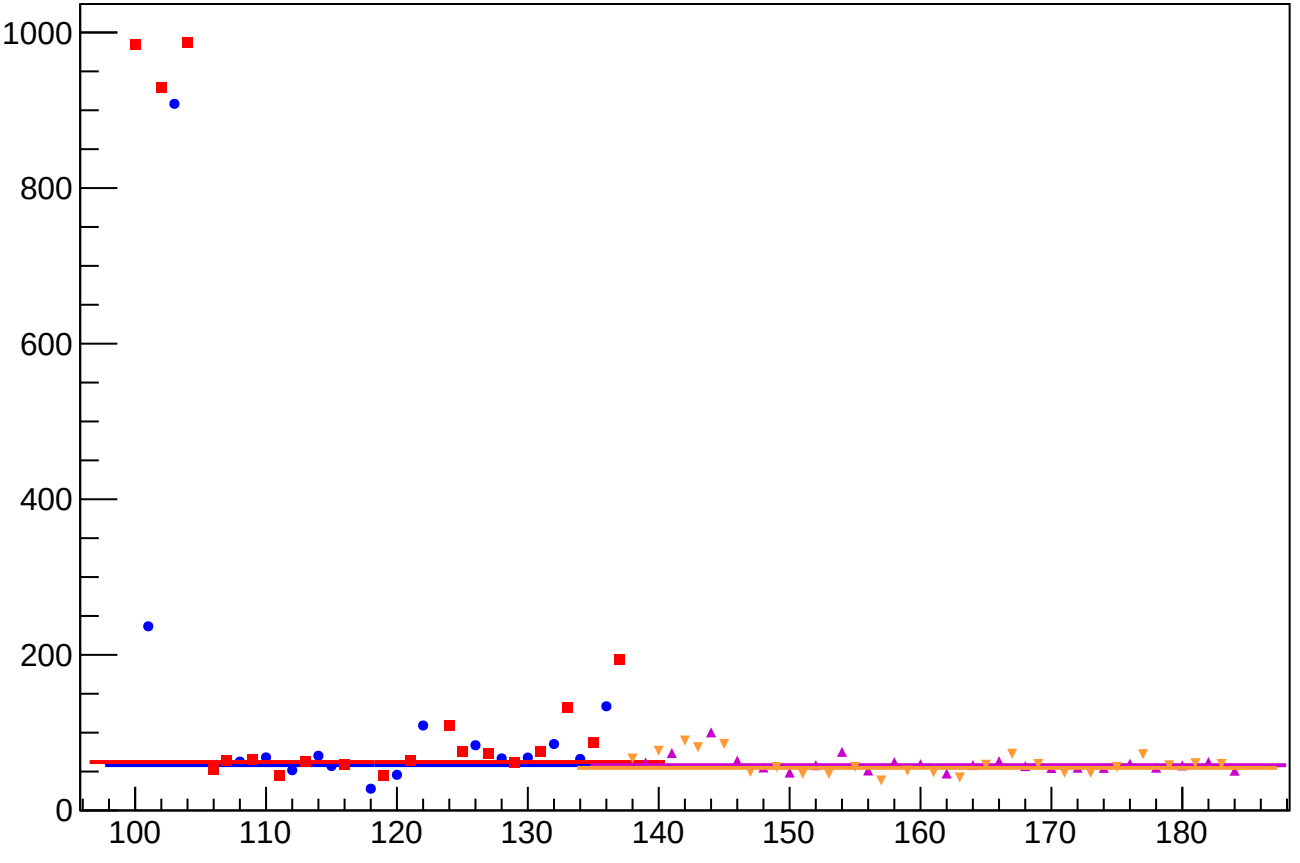
Left: -0.004+/-0.010 χ^2/NDF: 37.4/46

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.003+/-0.013 χ^2/NDF:31.1/38

Out: -0.004+/-0.013 χ^2/NDF:43.1/42

All: -0.004+/-0.009 χ^2/NDF: 74.2/81



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: 58.138+/-0.010 χ^2/NDF:657460.3/22

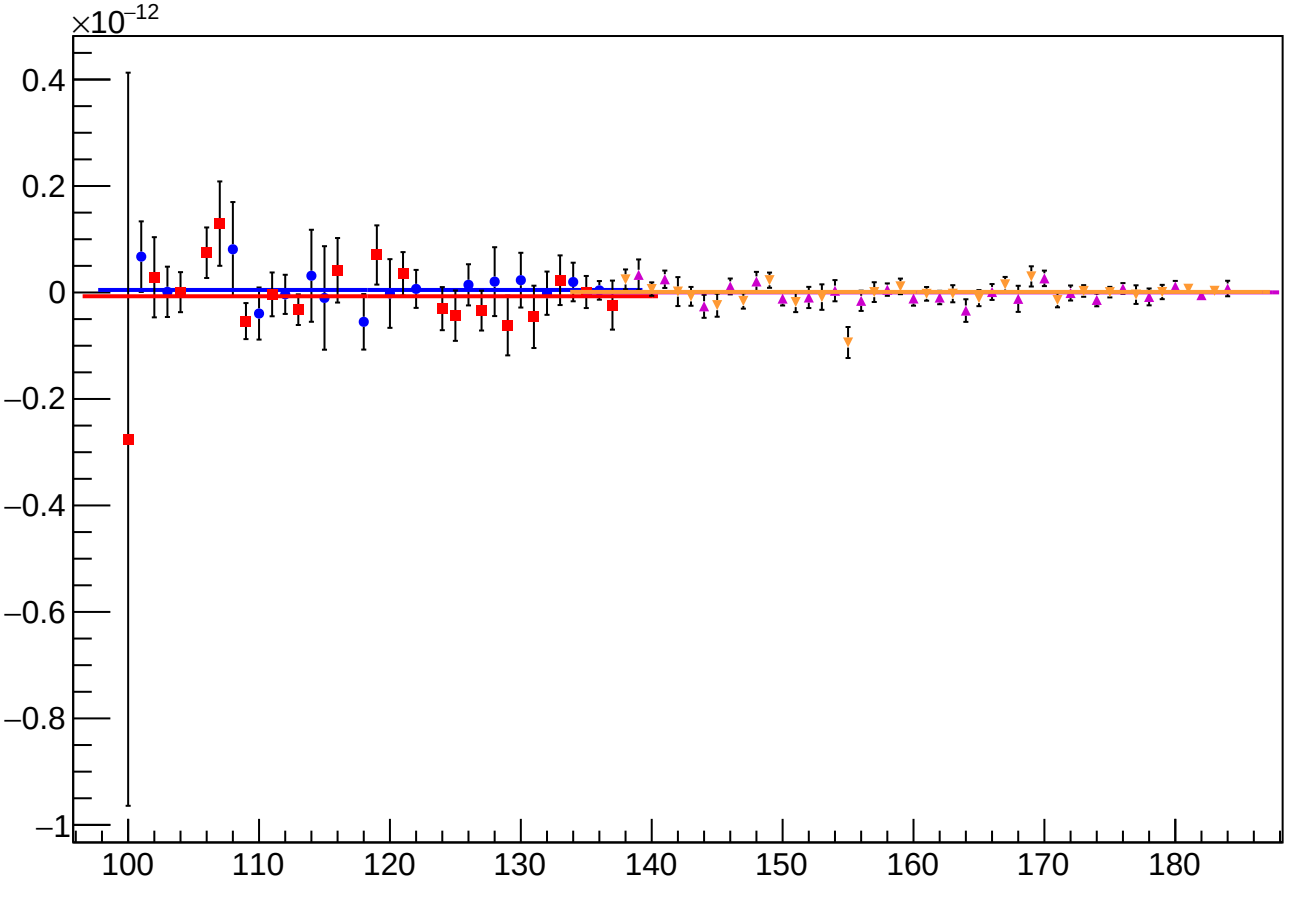
Left: 56.343+/-0.007 χ^2/NDF: 1920081.2/46

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.176+/-0.009 χ^2/NDF:3918005.3/38

Out: 56.239+/-0.009 χ^2/NDF:3948617.8/42

All: 57.172+/-0.006 χ^2/NDF: 7889339.7/81



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:20.2/22

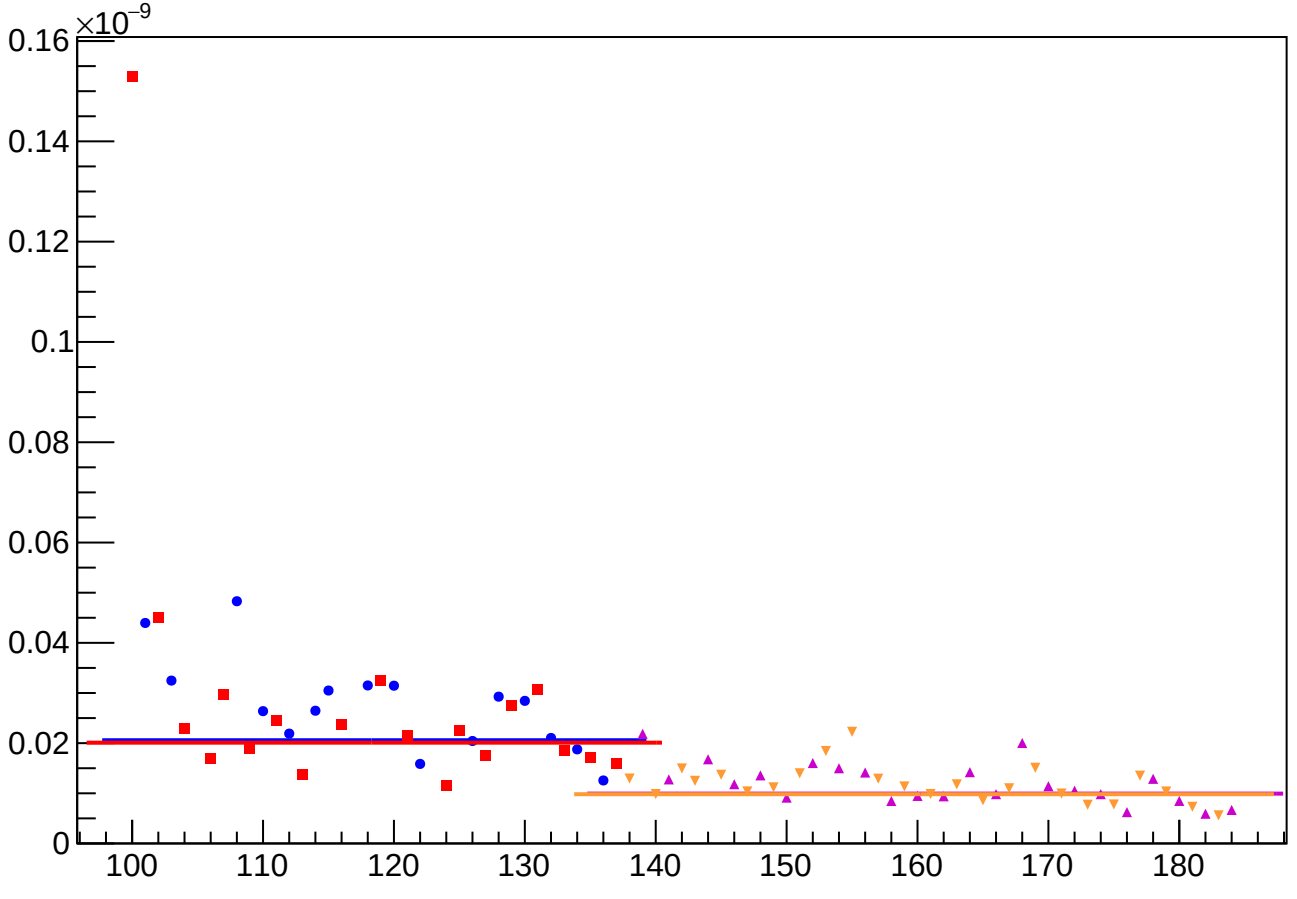
Left: 0.000+/-0.000 χ^2/NDF: 45.5/46

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:24.8/38

Out: 0.000+/-0.000 χ^2/NDF:41.9/42

All: 0.000+/-0.000 χ^2/NDF: 66.8/81



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:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 4842184.6/46

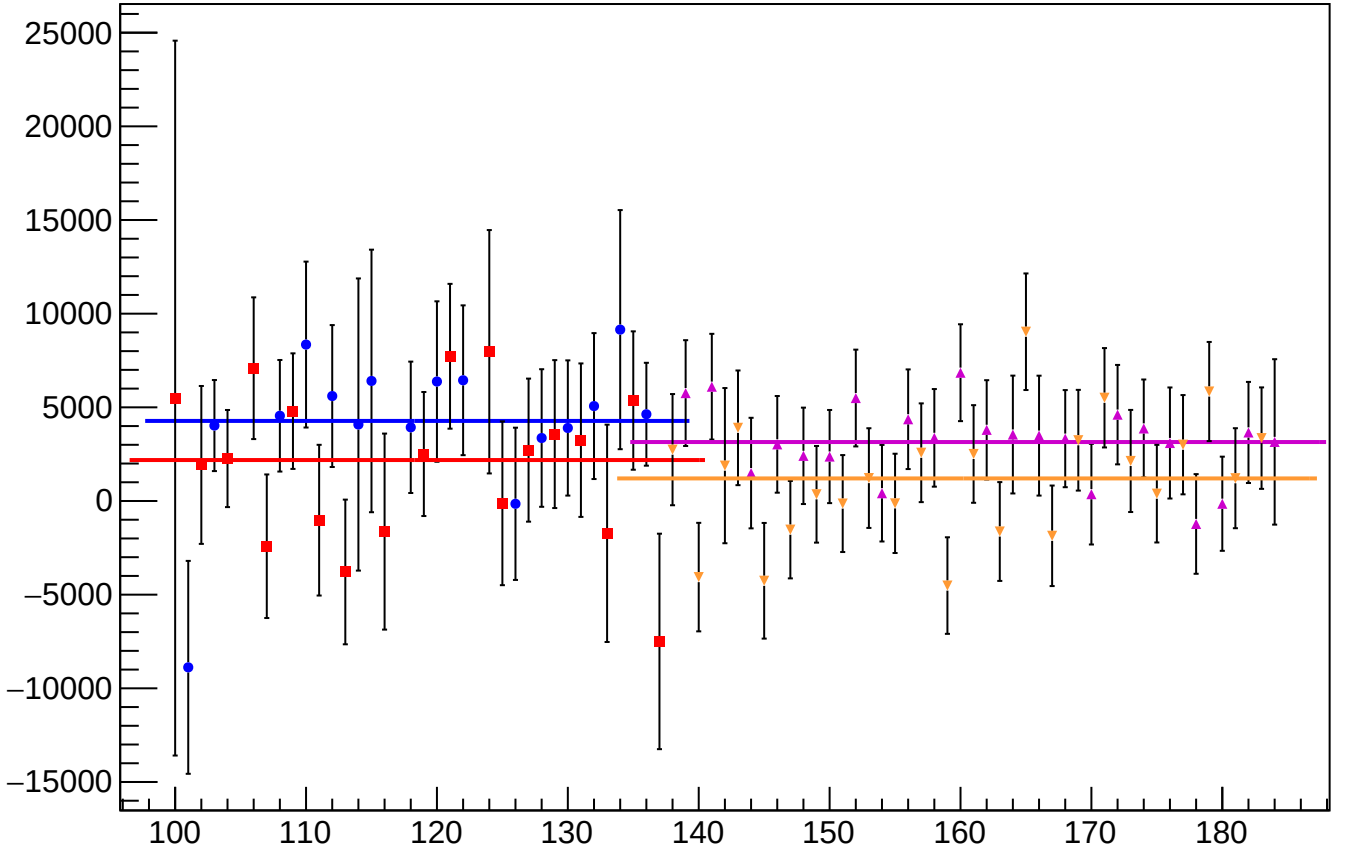
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:5883047.4/38

Out: 0.000+/-0.000 χ^2/NDF:4990300.3/42

All: 0.000+/-0.000 χ^2/NDF: 10876987.2/81

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: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2160.799+/-399.297 χ^2/NDF: 49.7/46

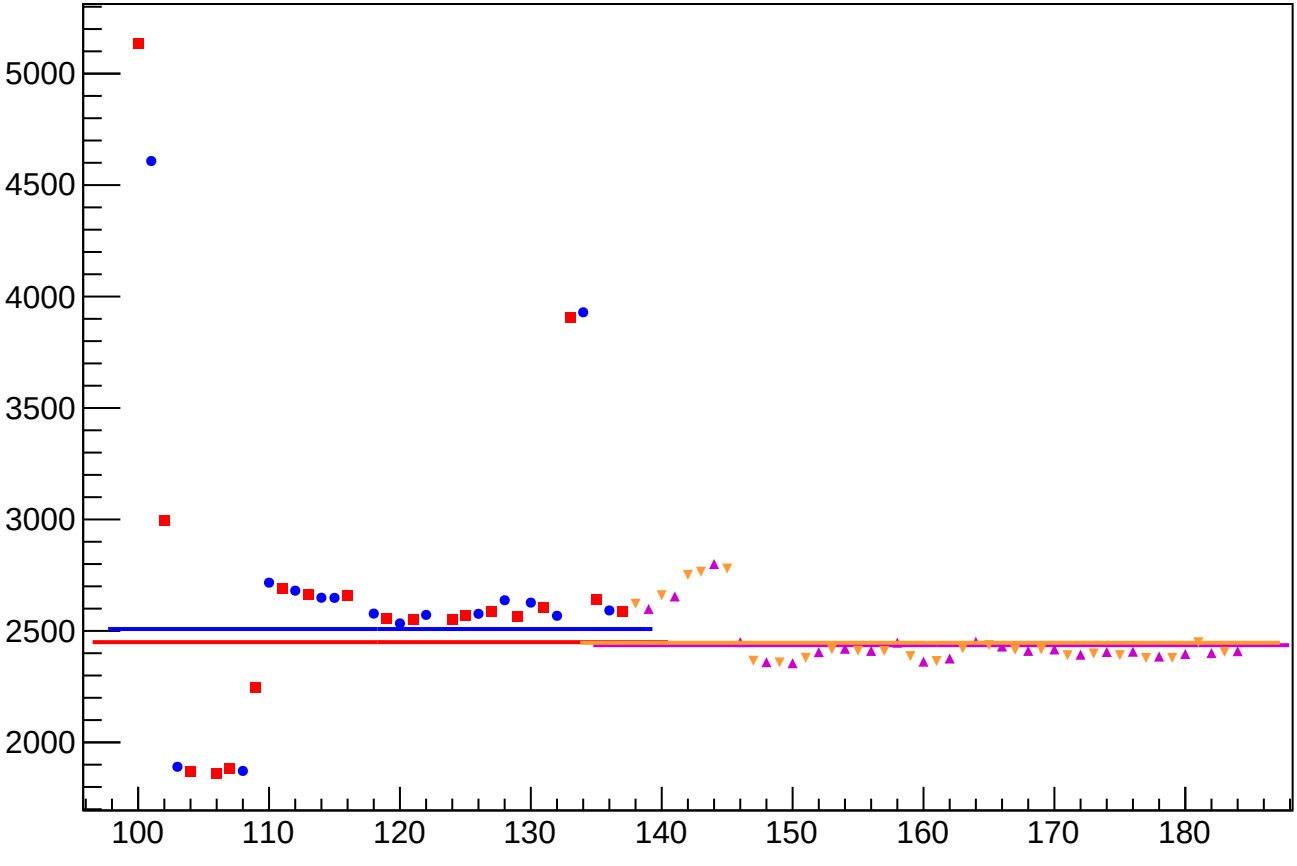
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3444.236+/-488.545 χ^2/NDF:22.6/38

Out: 1469.558+/-478.814 χ^2/NDF:46.7/42

All: 2437.036+/-341.961 χ^2/NDF: 77.6/81

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: 2435.950+/-0.403 χ^2/NDF:59189.9/22

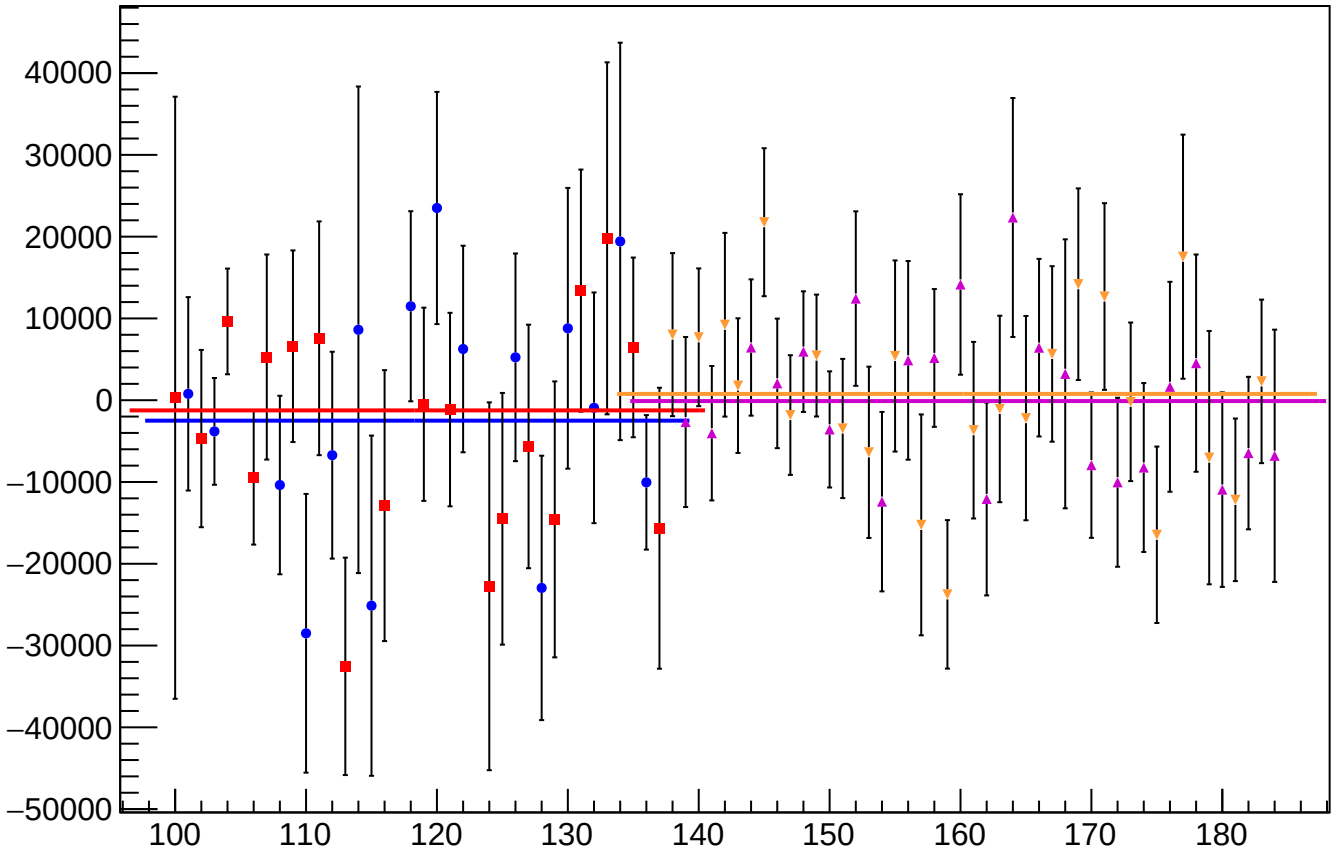
Left: 2441.546+/-0.282 χ^2/NDF: 149005.0/46

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2455.049+/-0.345 χ^2/NDF:679328.5/38

Out: 2447.684+/-0.339 χ^2/NDF:526347.7/42

All: 2451.292+/-0.242 χ^2/NDF: 1205908.1/81



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: -104.954+/-2090.899 χ^2/NDF:14.5/22

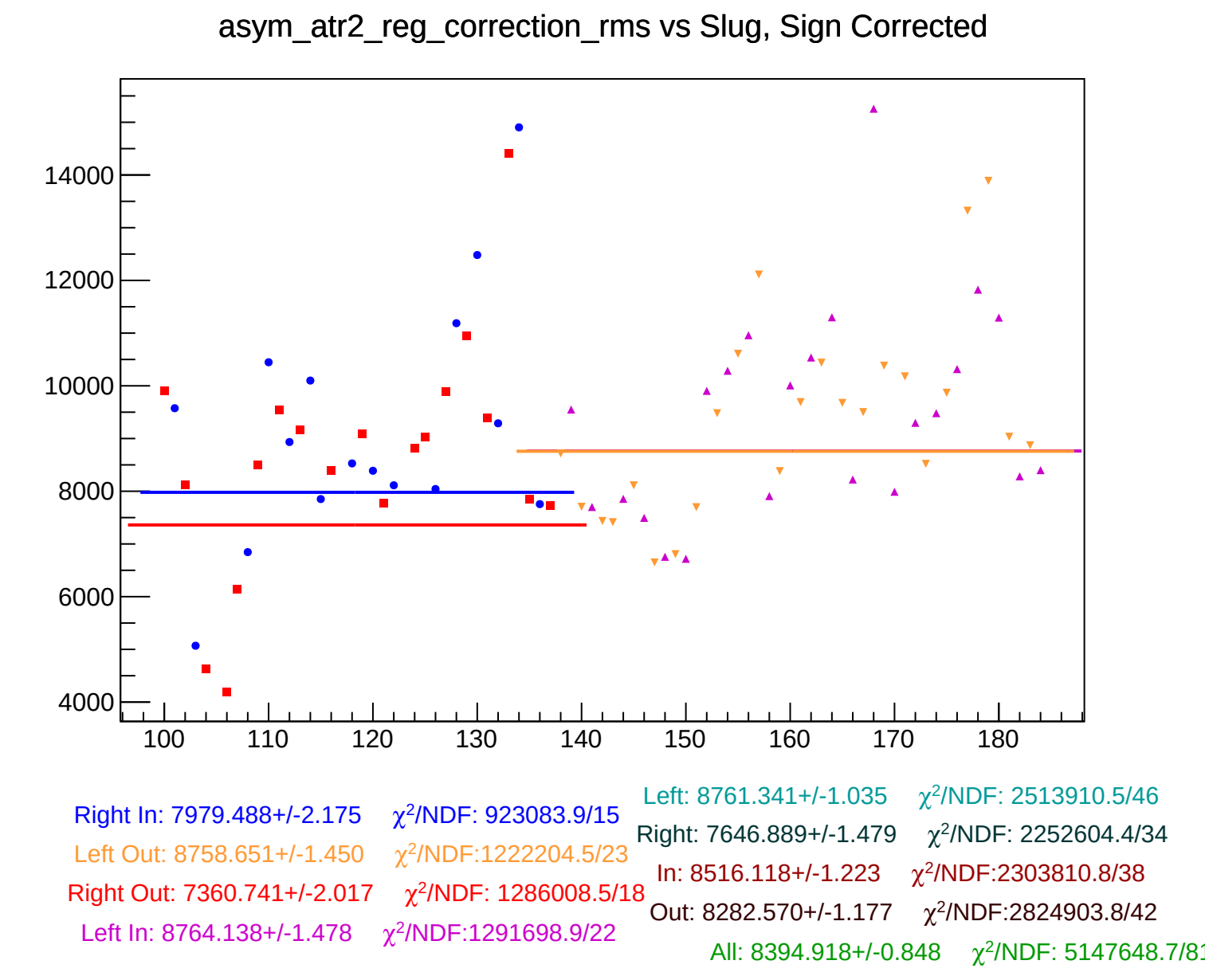
Left: 340.772+/-1463.855 χ^2/NDF: 40.5/46

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

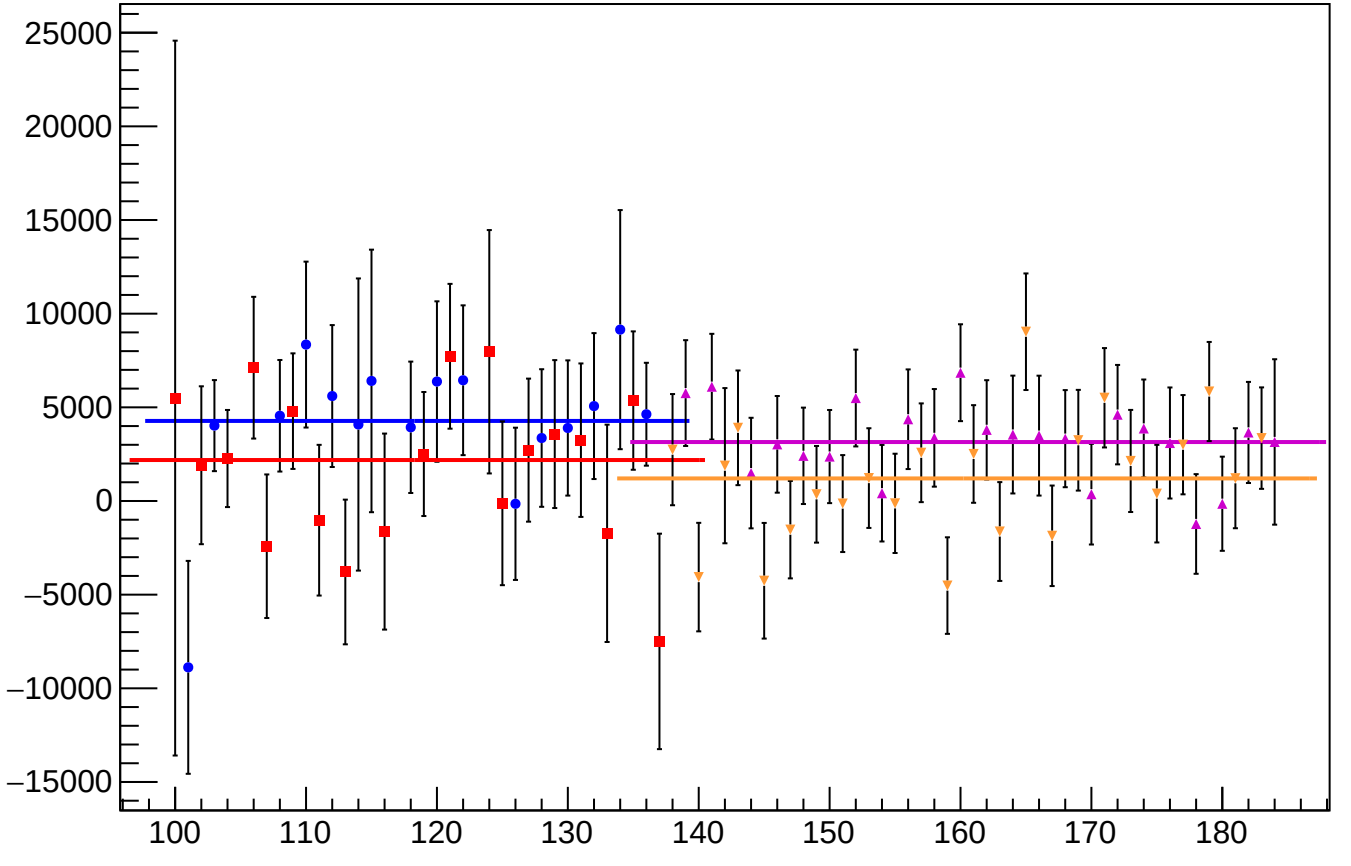
In: -862.195+/-1729.149 χ^2/NDF:28.7/38

Out: 83.502+/-1664.804 χ^2/NDF:42.8/42

All: -371.423+/-1199.297 χ^2/NDF: 71.7/81


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: 8764.138+/-1.478 χ²/NDF:1291698.9/22
Left: 8761.341+/-1.035 χ²/NDF: 2513910.5/46
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 8516.118+/-1.223 χ²/NDF:2303810.8/38
Out: 8282.570+/-1.177 χ²/NDF:2824903.8/42
All: 8394.918+/-0.848 χ²/NDF: 5147648.7/81

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: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2160.617+/-399.297 χ^2/NDF: 49.7/46

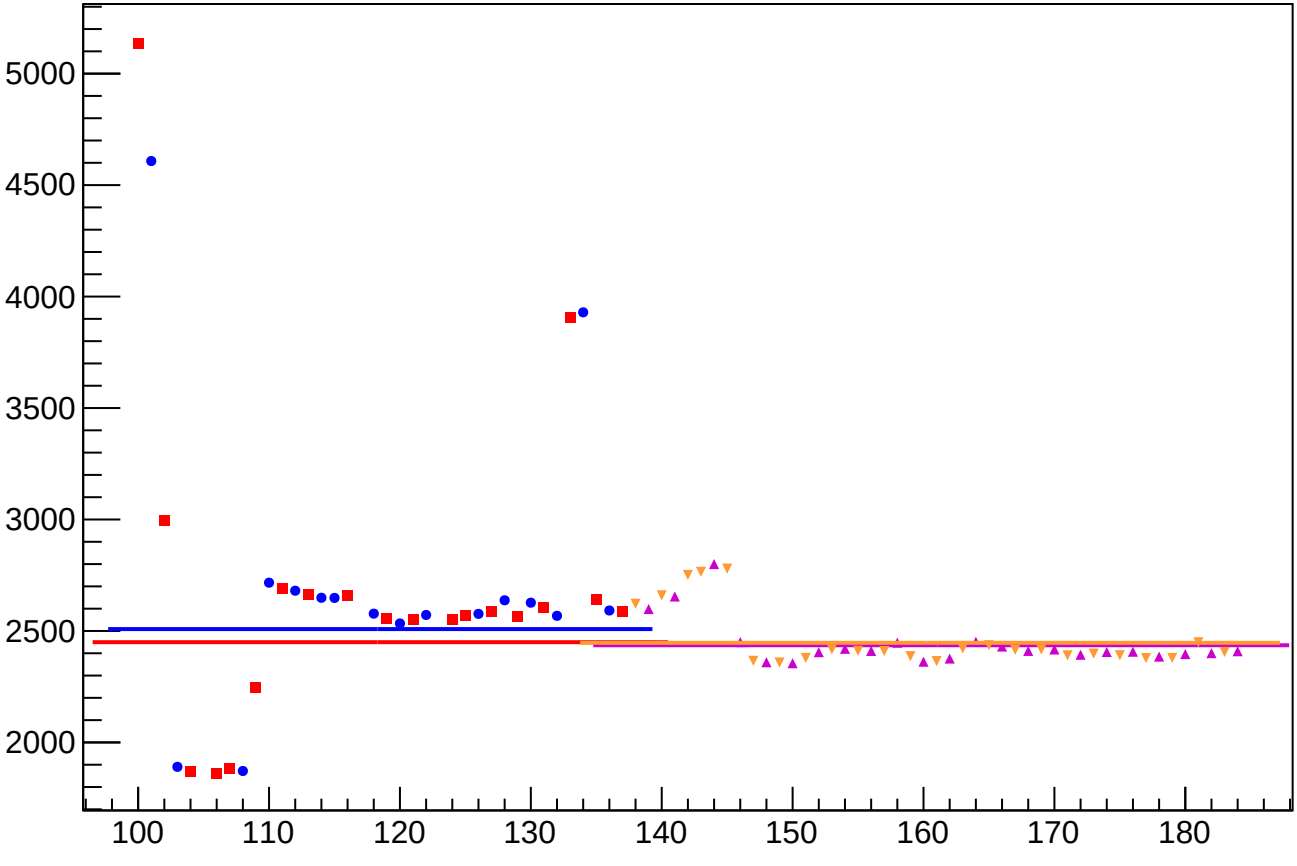
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3443.962+/-488.545 χ^2/NDF:22.6/38

Out: 1469.602+/-478.815 χ^2/NDF:46.7/42

All: 2436.926+/-341.961 χ^2/NDF: 77.6/81

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: 2435.950+/-0.403 χ^2/NDF:59189.9/22

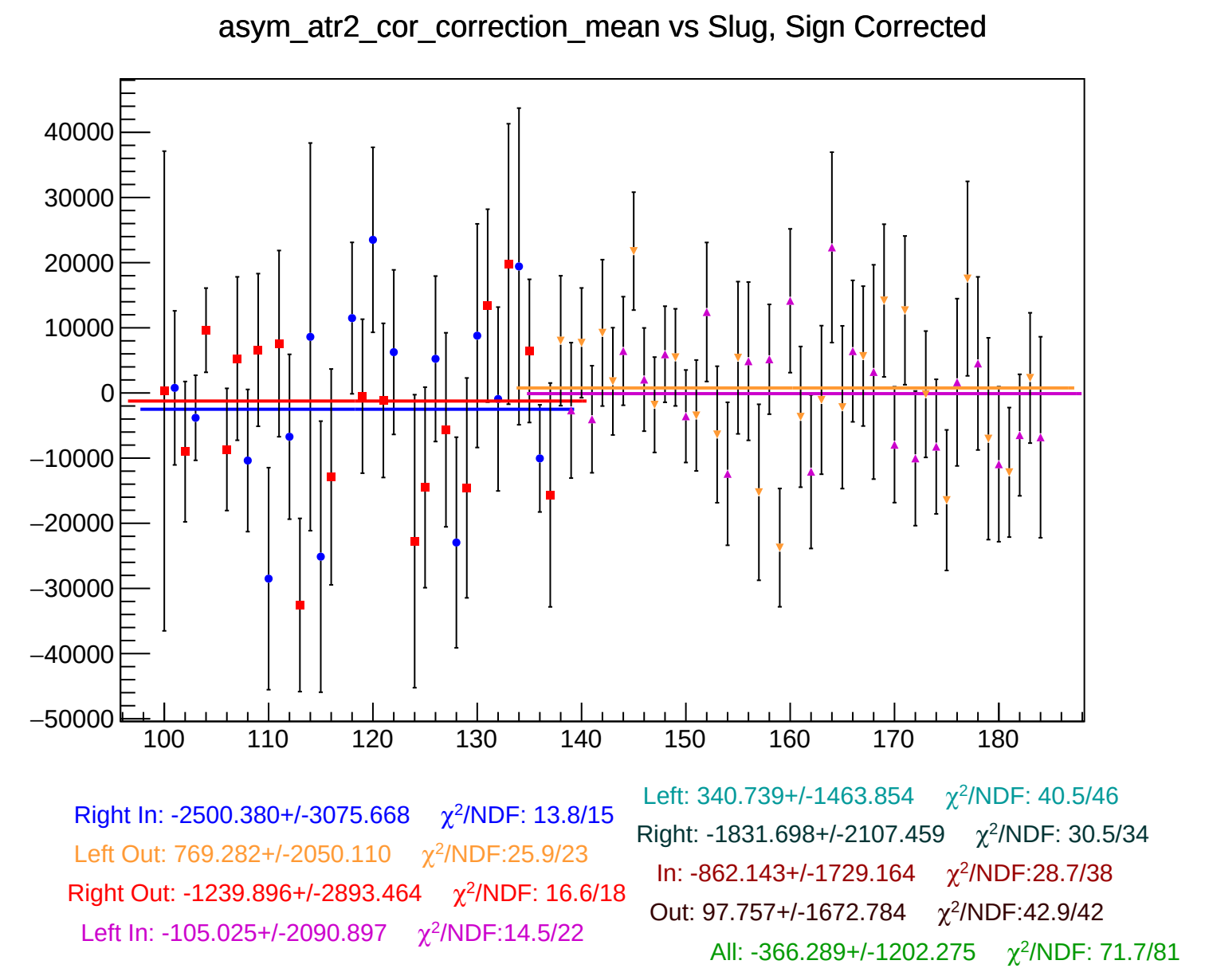
Left: 2441.546+/-0.282 χ^2/NDF: 149005.0/46

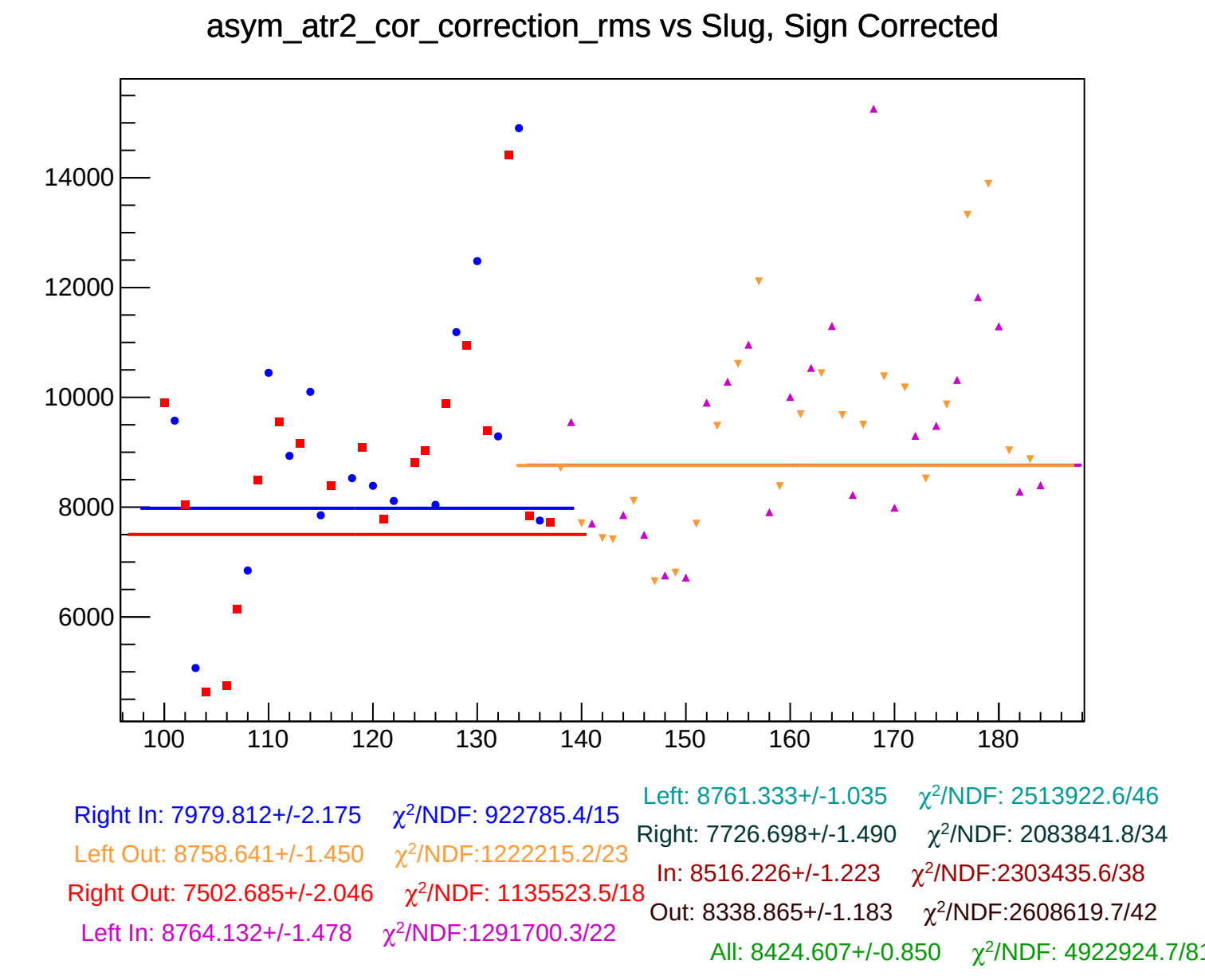
Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

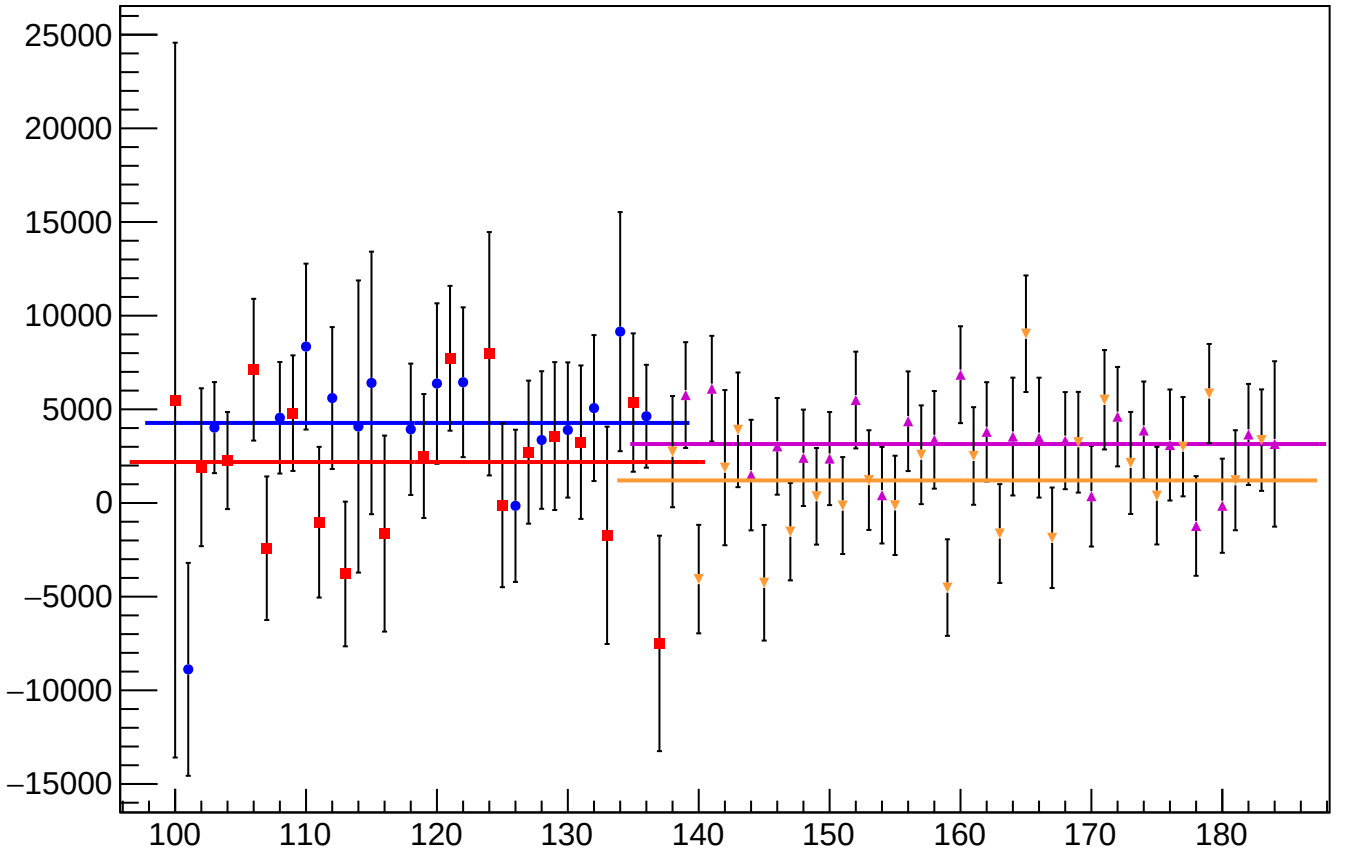
In: 2455.049+/-0.345 χ^2/NDF:679326.5/38

Out: 2447.690+/-0.339 χ^2/NDF:526293.5/42

All: 2451.296+/-0.242 χ^2/NDF: 1205851.5/81


asym_atr2_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
Right In: -2500.380+/-3075.668 χ²/NDF: 13.8/15
Left Out: 769.282+/-2050.110 χ²/NDF:25.9/23
Right Out: -1239.896+/-2893.464 χ²/NDF: 16.6/18
Left In: -105.025+/-2090.897 χ²/NDF:14.5/22
Left: 340.739+/-1463.854 χ²/NDF: 40.5/46
Right: -1831.698+/-2107.459 χ²/NDF: 30.5/34
In: -862.143+/-1729.164 χ²/NDF:28.7/38
Out: 97.757+/-1672.784 χ²/NDF:42.9/42
All: -366.289+/-1202.275 χ²/NDF: 71.7/81


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: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.333+/-1.035 χ²/NDF: 2513922.6/46
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8516.226+/-1.223 χ²/NDF:2303435.6/38
Out: 8338.865+/-1.183 χ²/NDF:2608619.7/42
All: 8424.607+/-0.850 χ²/NDF: 4922924.7/81



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: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2160.617+/-399.297 χ^2/NDF: 49.7/46

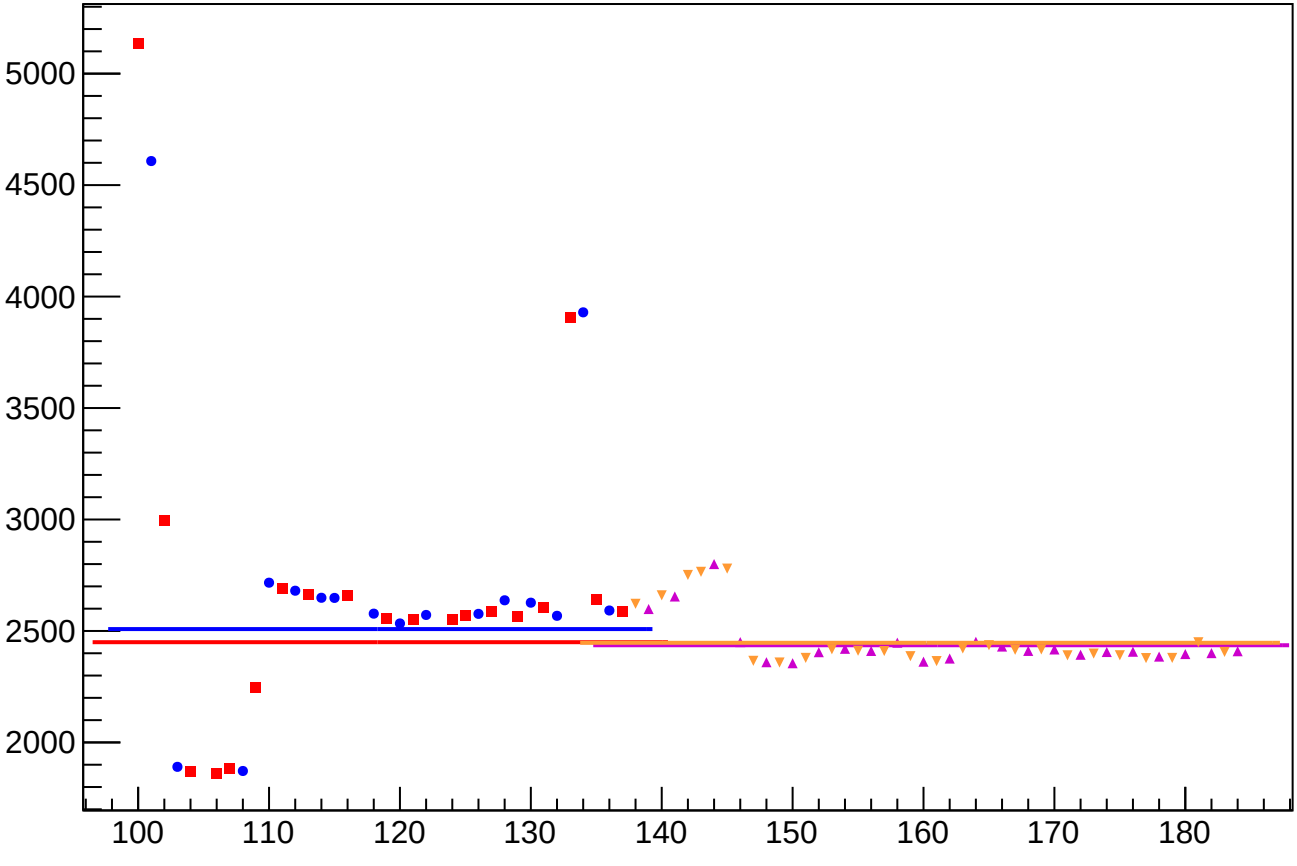
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3443.962+/-488.545 χ^2/NDF:22.6/38

Out: 1469.602+/-478.815 χ^2/NDF:46.7/42

All: 2436.926+/-341.961 χ^2/NDF: 77.6/81

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: 2435.950+/-0.403 χ^2/NDF:59189.9/22

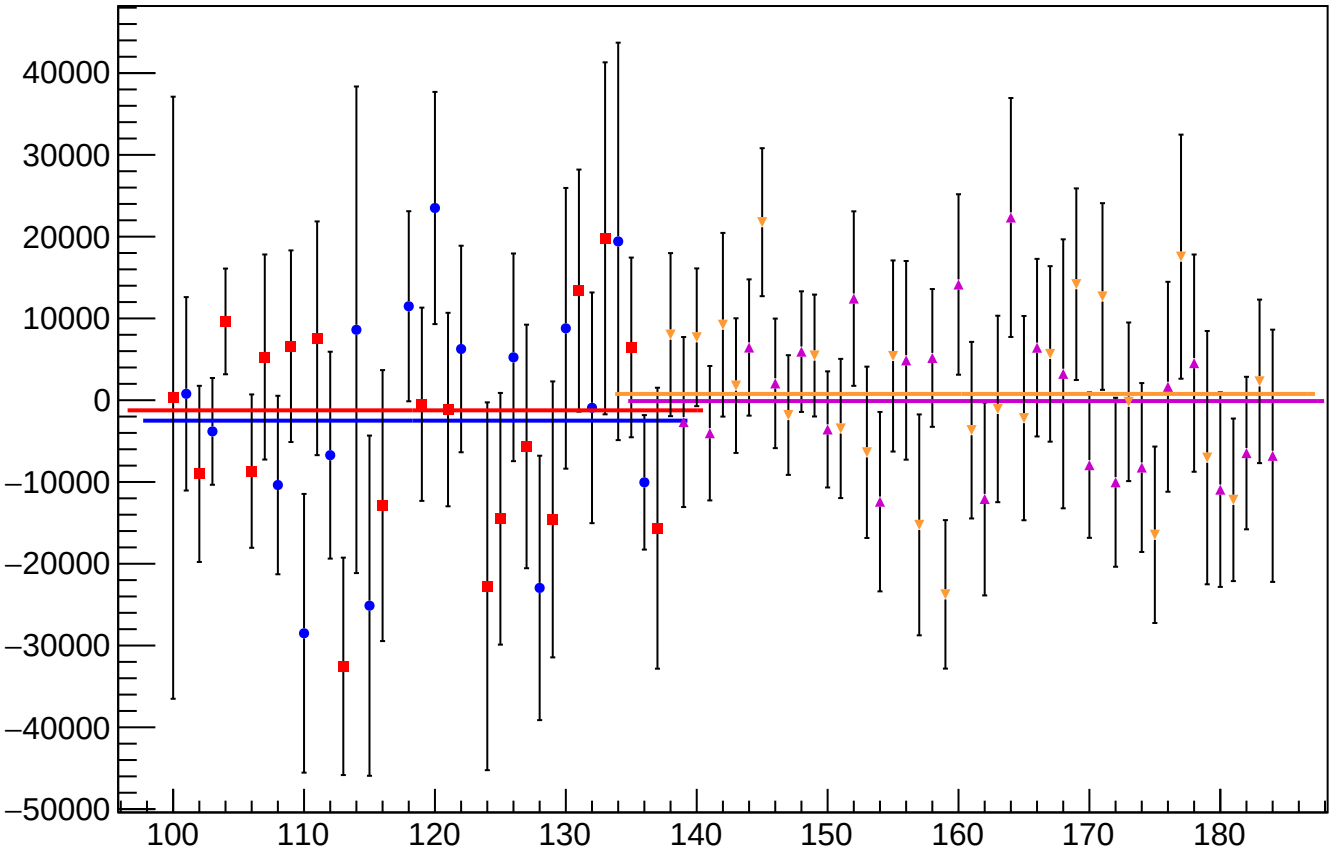
Left: 2441.546+/-0.282 χ^2/NDF: 149005.0/46

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2455.049+/-0.345 χ^2/NDF:679326.5/38

Out: 2447.690+/-0.339 χ^2/NDF:526293.5/42

All: 2451.296+/-0.242 χ^2/NDF: 1205851.5/81



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: -105.025+/-2090.897 χ^2/NDF:14.5/22

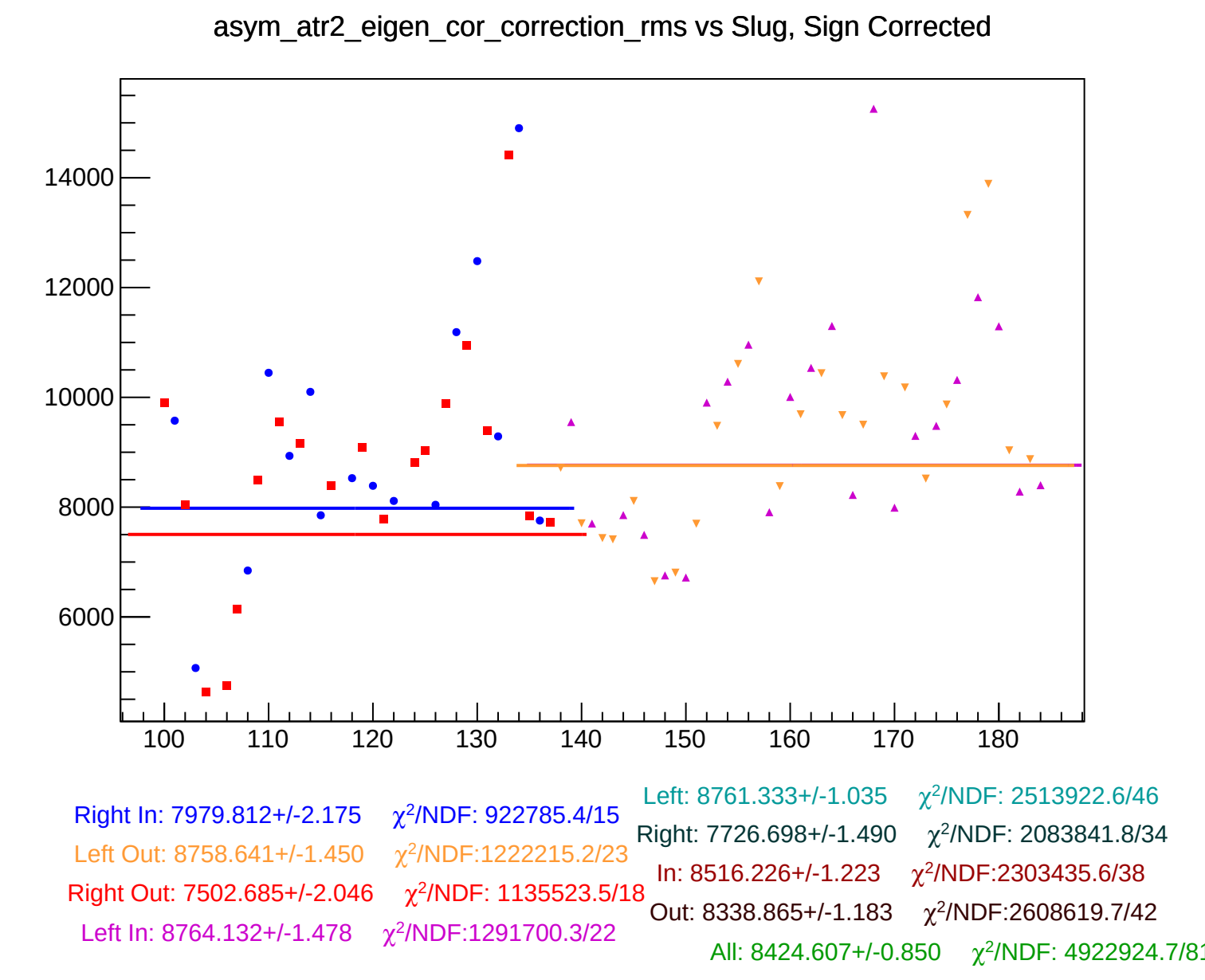
Left: 340.739+/-1463.854 χ^2/NDF: 40.5/46

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

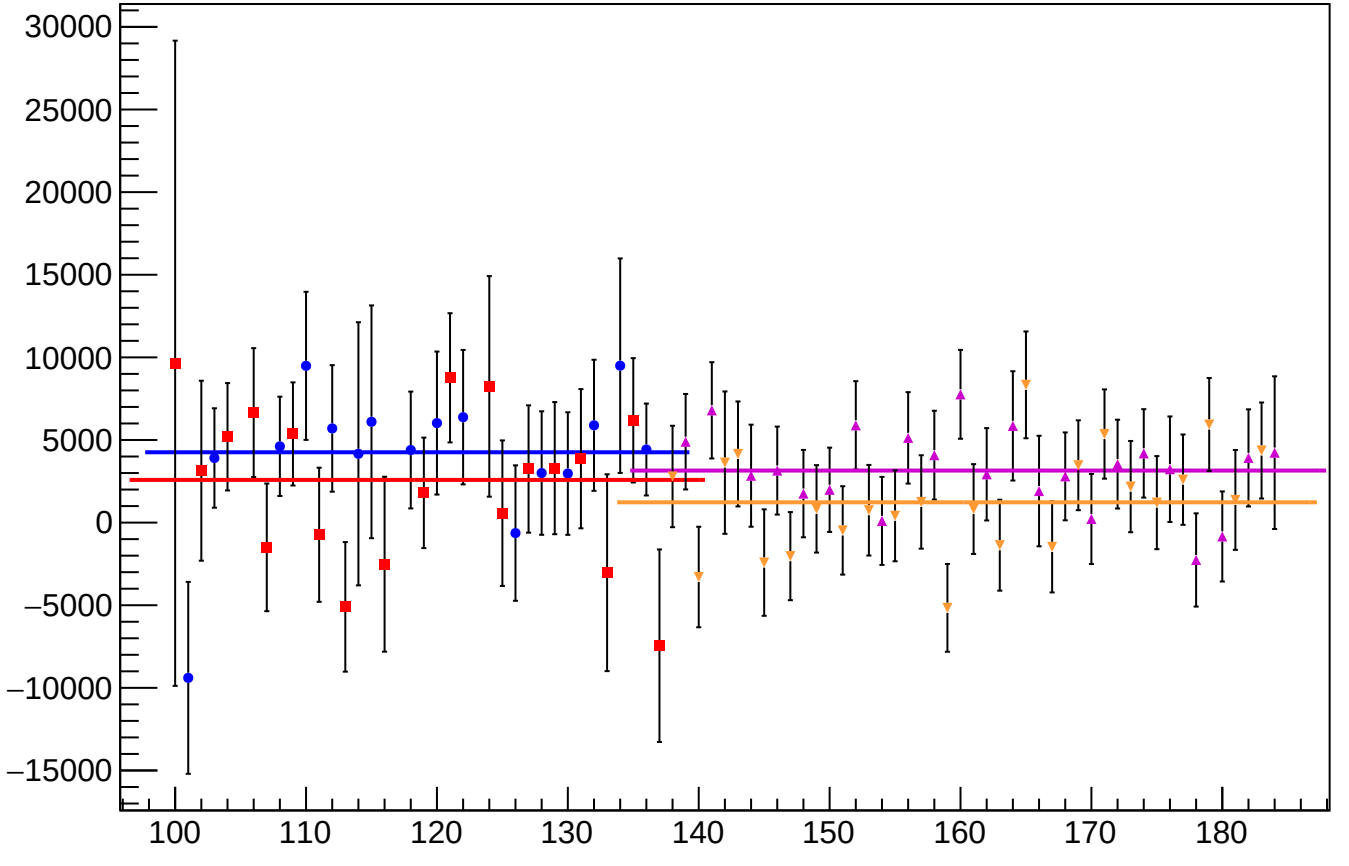
In: -862.143+/-1729.164 χ^2/NDF:28.7/38

Out: 97.757+/-1672.784 χ^2/NDF:42.9/42

All: -366.289+/-1202.275 χ^2/NDF: 71.7/81


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: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.333+/-1.035 χ²/NDF: 2513922.6/46
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8516.226+/-1.223 χ²/NDF:2303435.6/38
Out: 8338.865+/-1.183 χ²/NDF:2608619.7/42
All: 8424.607+/-0.850 χ²/NDF: 4922924.7/81

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: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2176.403+/-415.829 χ^2/NDF: 48.6/46

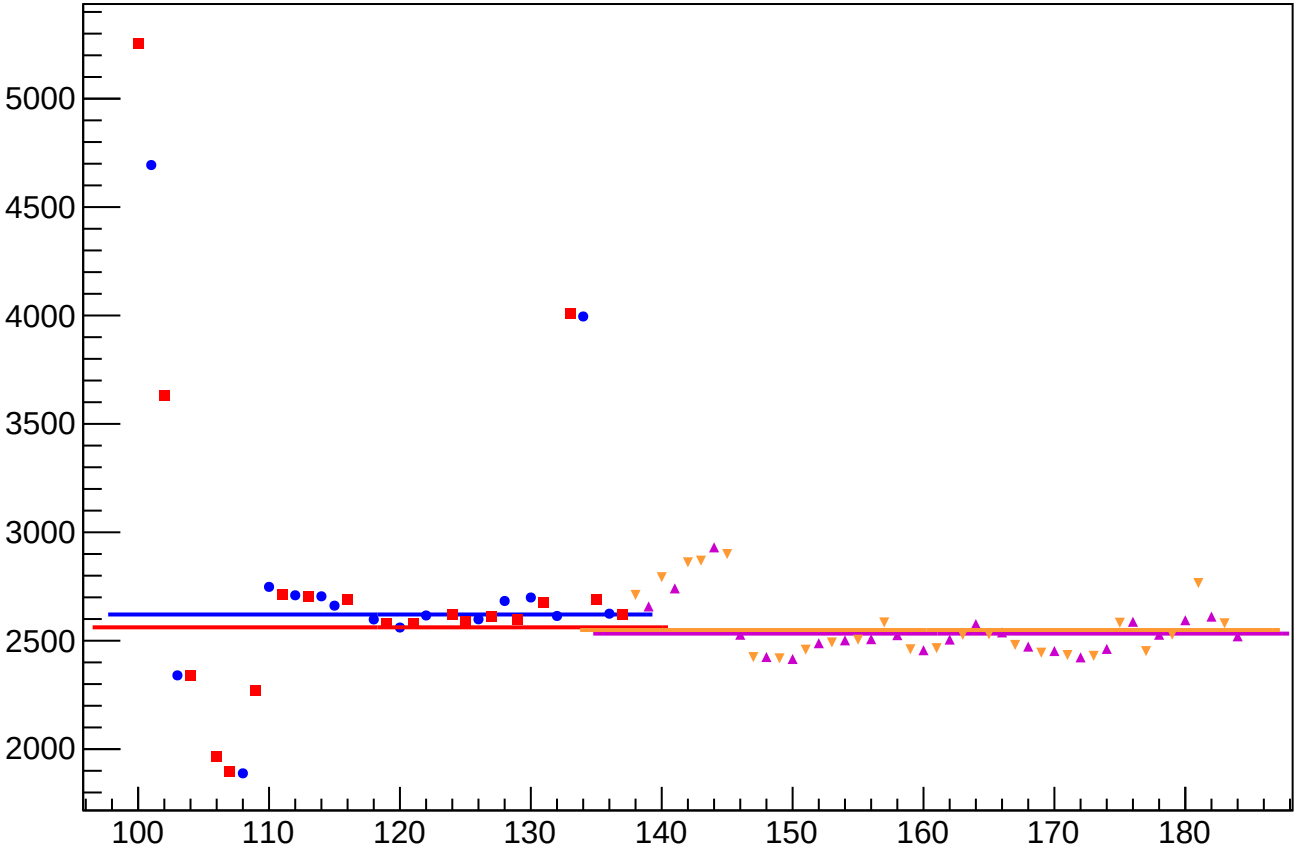
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3441.617+/-508.235 χ^2/NDF:27.4/38

Out: 1591.721+/-499.843 χ^2/NDF:45.9/42

All: 2501.270+/-356.372 χ^2/NDF: 80.0/81

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: 2532.772+/-0.419 χ^2/NDF:68441.1/22

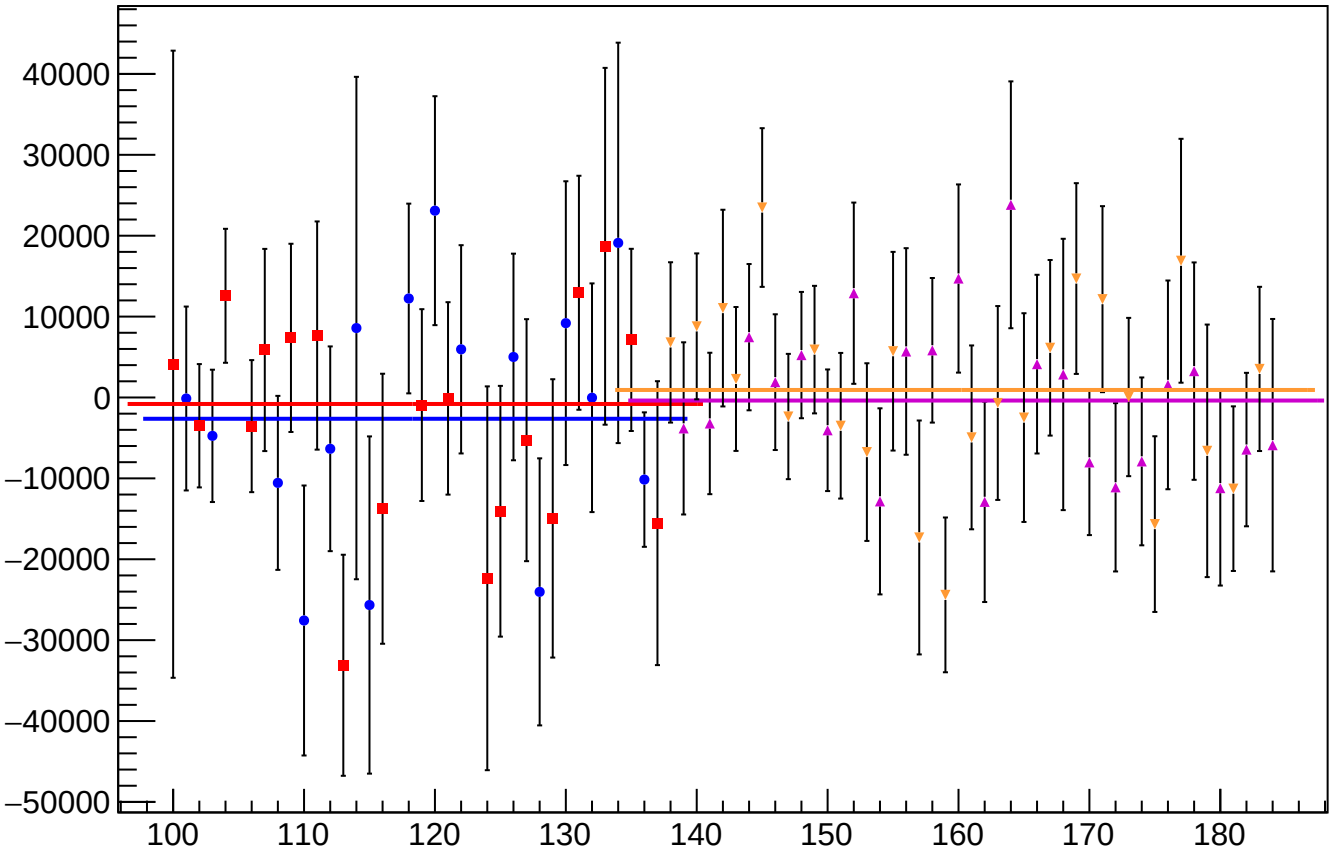
Left: 2541.152+/-0.294 χ^2/NDF: 184724.7/46

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2555.989+/-0.359 χ^2/NDF:566035.5/38

Out: 2552.633+/-0.353 χ^2/NDF:493994.5/42

All: 2554.283+/-0.252 χ^2/NDF: 1060074.3/81



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: -377.922+/-2176.347 χ^2/NDF:14.2/22

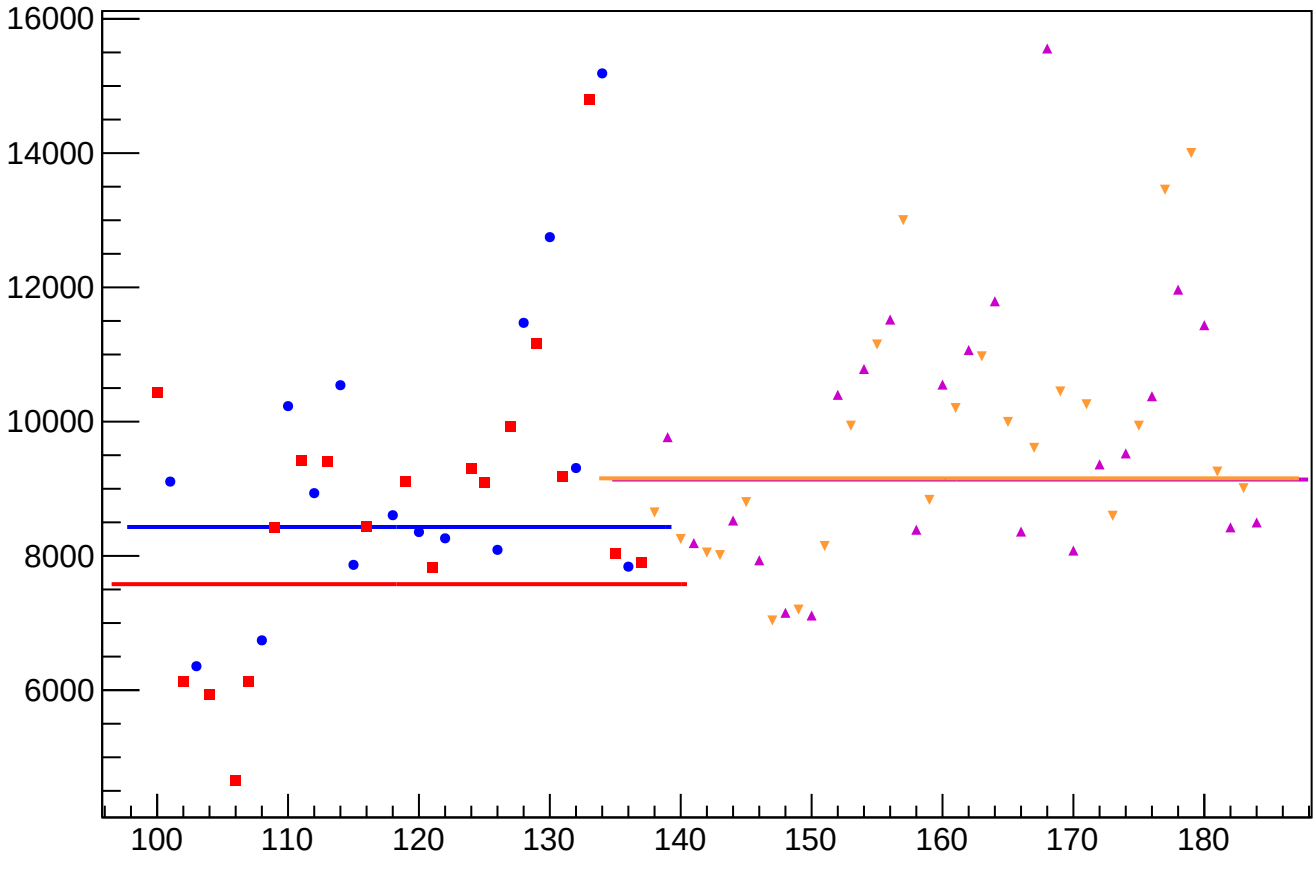
Left: 286.919+/-1525.235 χ^2/NDF: 39.7/46

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -1087.281+/-1801.627 χ^2/NDF:28.4/38

Out: 311.425+/-1715.264 χ^2/NDF:40.9/42

All: -353.601+/-1242.285 χ^2/NDF: 69.6/81



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: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

Left: 9146.615+/-1.079 χ^2/NDF: 2244920.7/46

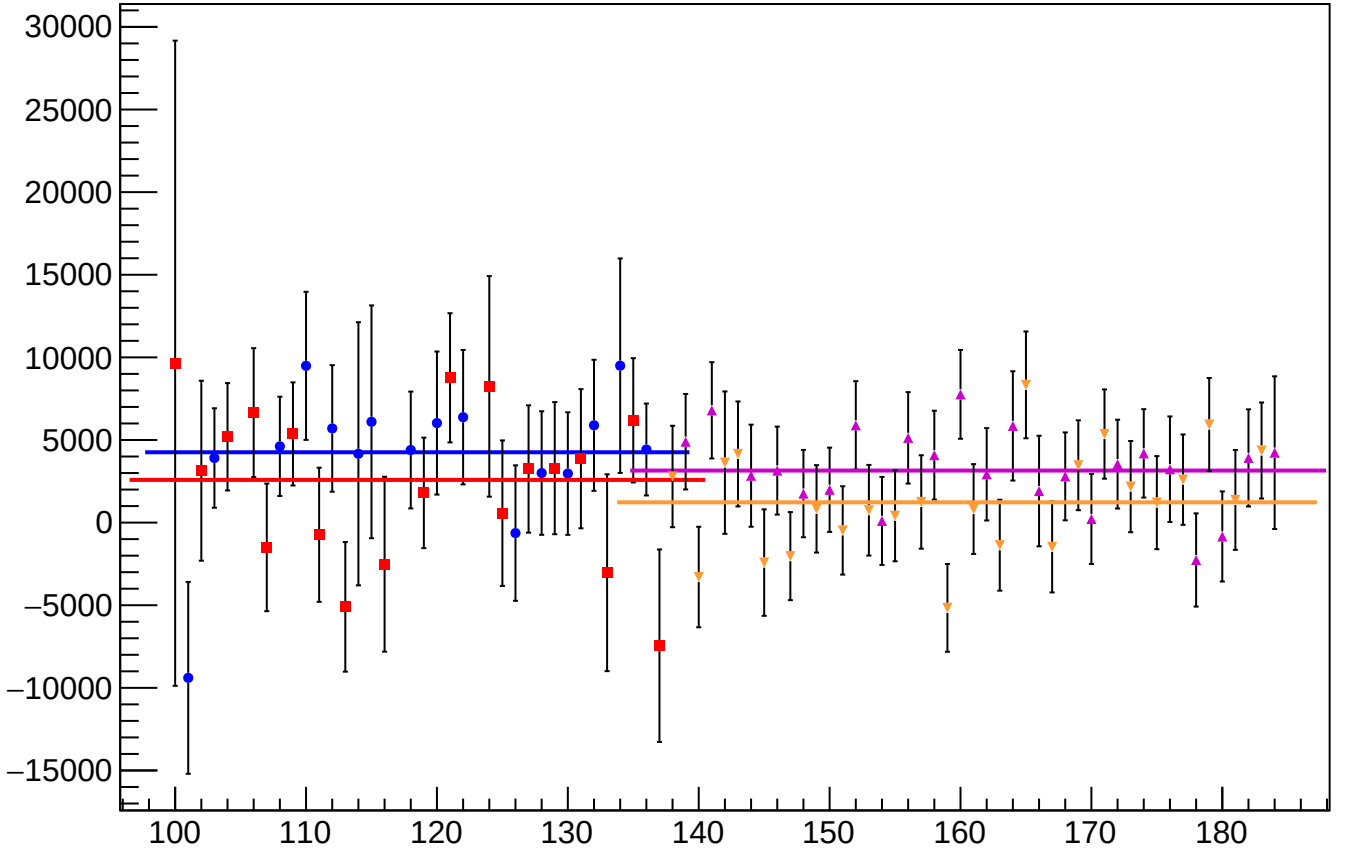
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8915.136+/-1.274 χ^2/NDF:1819475.2/38

Out: 8593.478+/-1.213 χ^2/NDF:2433616.6/42

All: 8746.413+/-0.878 χ^2/NDF: 4286532.0/81

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: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2176.397+/-415.829 χ^2/NDF: 48.6/46

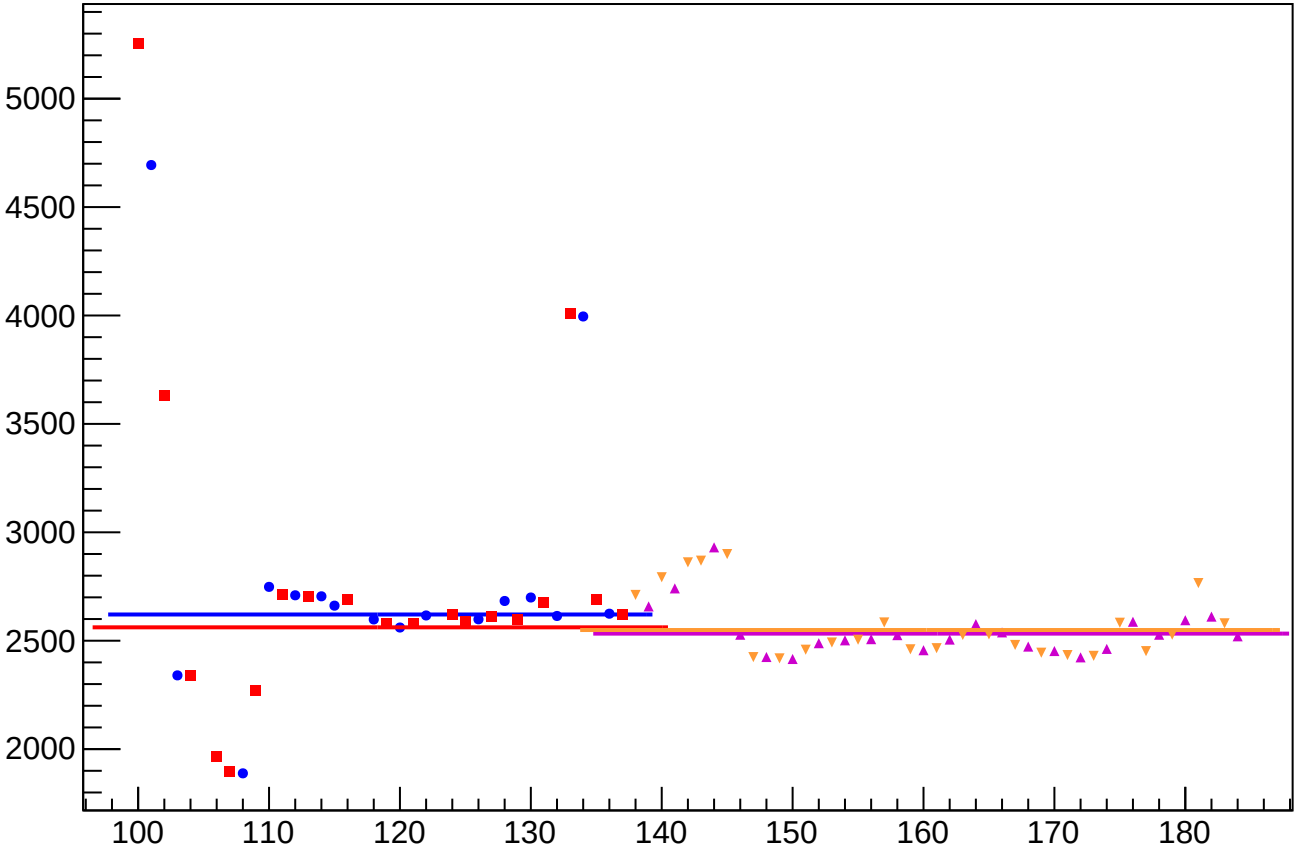
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3441.619+/-508.235 χ^2/NDF:27.4/38

Out: 1591.717+/-499.843 χ^2/NDF:45.9/42

All: 2501.268+/-356.372 χ^2/NDF: 80.0/81

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: 2532.774+/-0.419 χ^2/NDF:68440.8/22

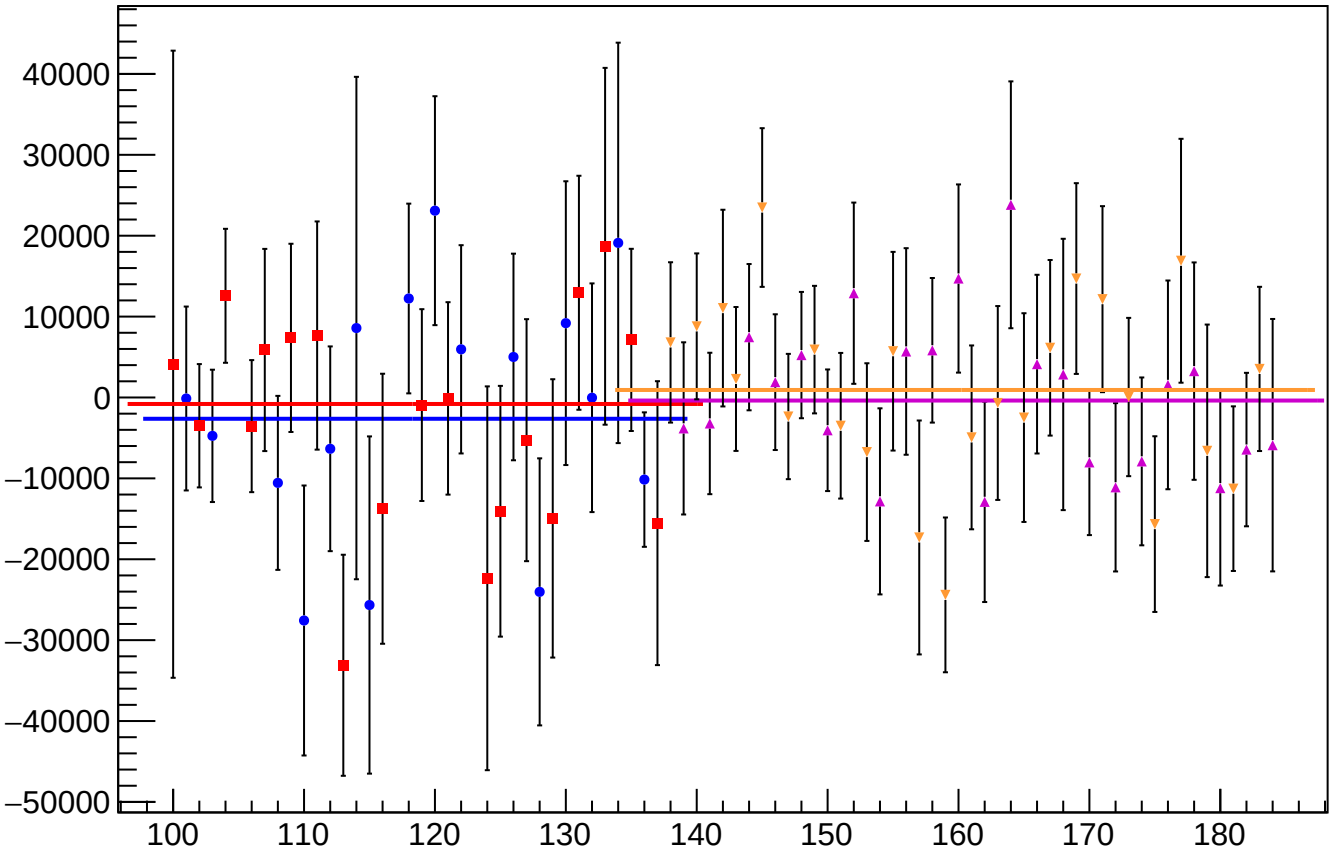
Left: 2541.154+/-0.294 χ^2/NDF: 184724.3/46

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2555.990+/-0.359 χ^2/NDF:566034.8/38

Out: 2552.634+/-0.353 χ^2/NDF:493993.8/42

All: 2554.284+/-0.252 χ^2/NDF: 1060072.9/81



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: -377.927+/-2176.350 χ^2/NDF:14.2/22

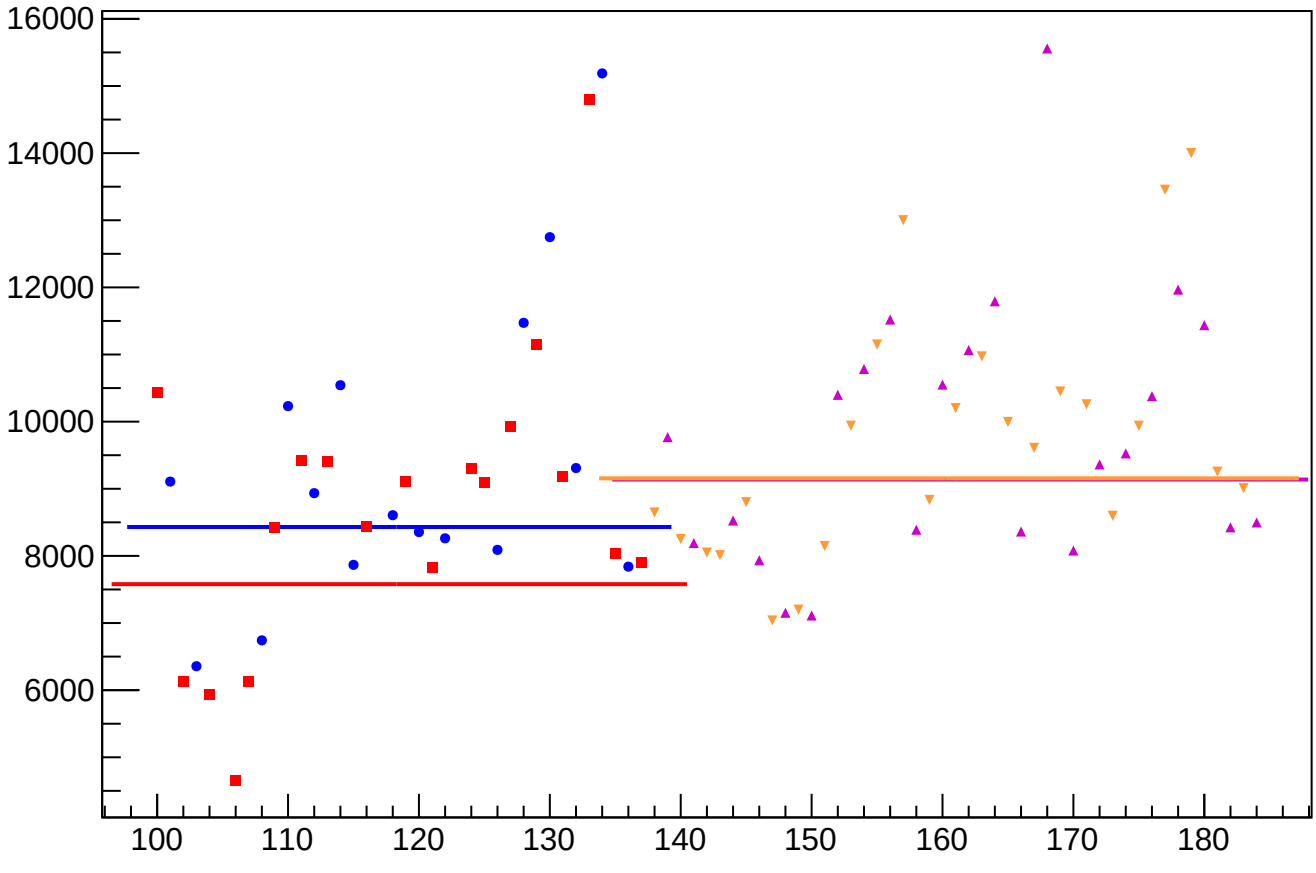
Left: 286.915+/-1525.237 χ^2/NDF: 39.7/46

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -1087.276+/-1801.628 χ^2/NDF:28.4/38

Out: 311.421+/-1715.265 χ^2/NDF:40.9/42

All: -353.601+/-1242.285 χ^2/NDF: 69.6/81



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: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.629+/-1.079 χ^2/NDF: 2244926.5/46

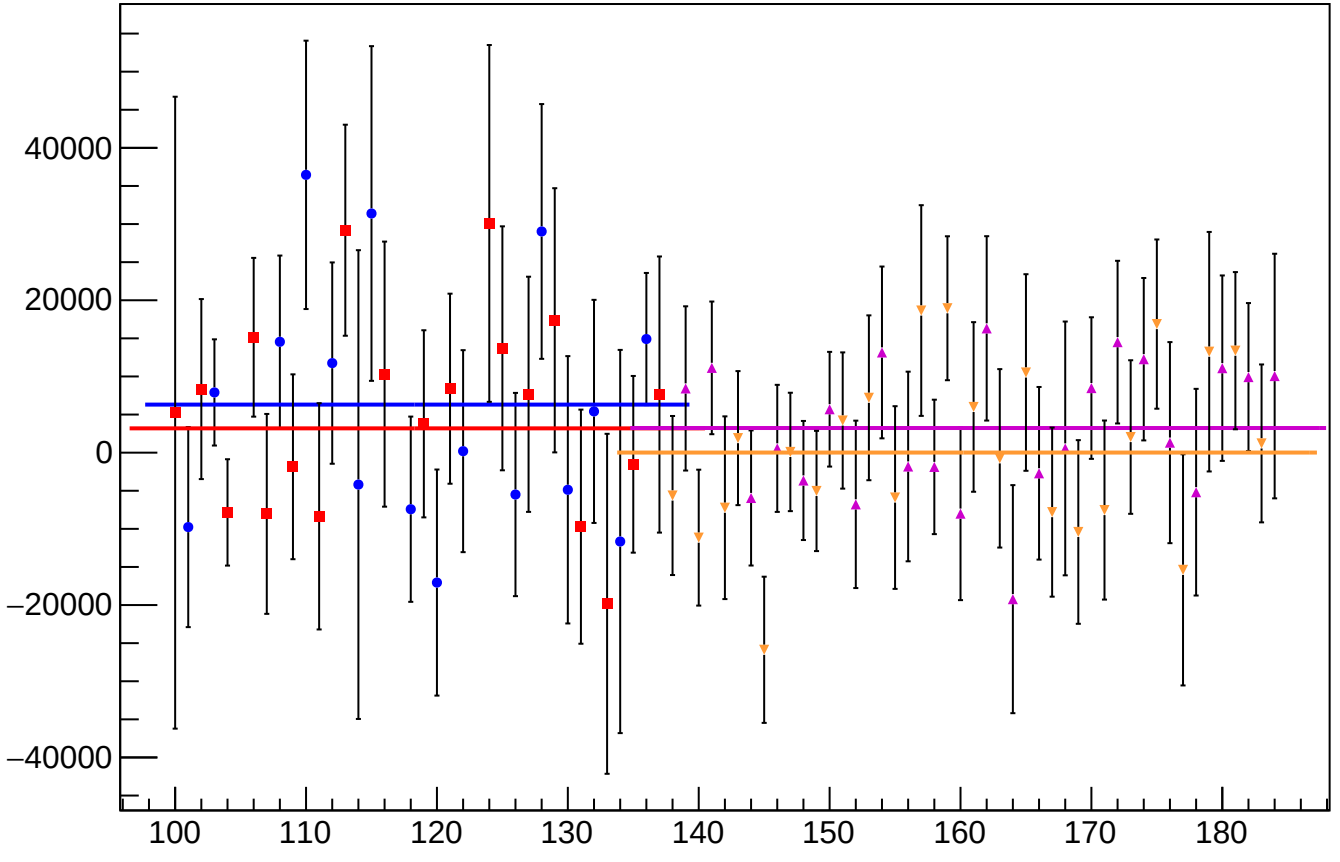
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8915.141+/-1.274 χ^2/NDF:1819477.9/38

Out: 8593.481+/-1.213 χ^2/NDF:2433628.1/42

All: 8746.417+/-0.878 χ^2/NDF: 4286546.7/81

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: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1594.179+/-1527.242 χ^2/NDF: 39.8/46

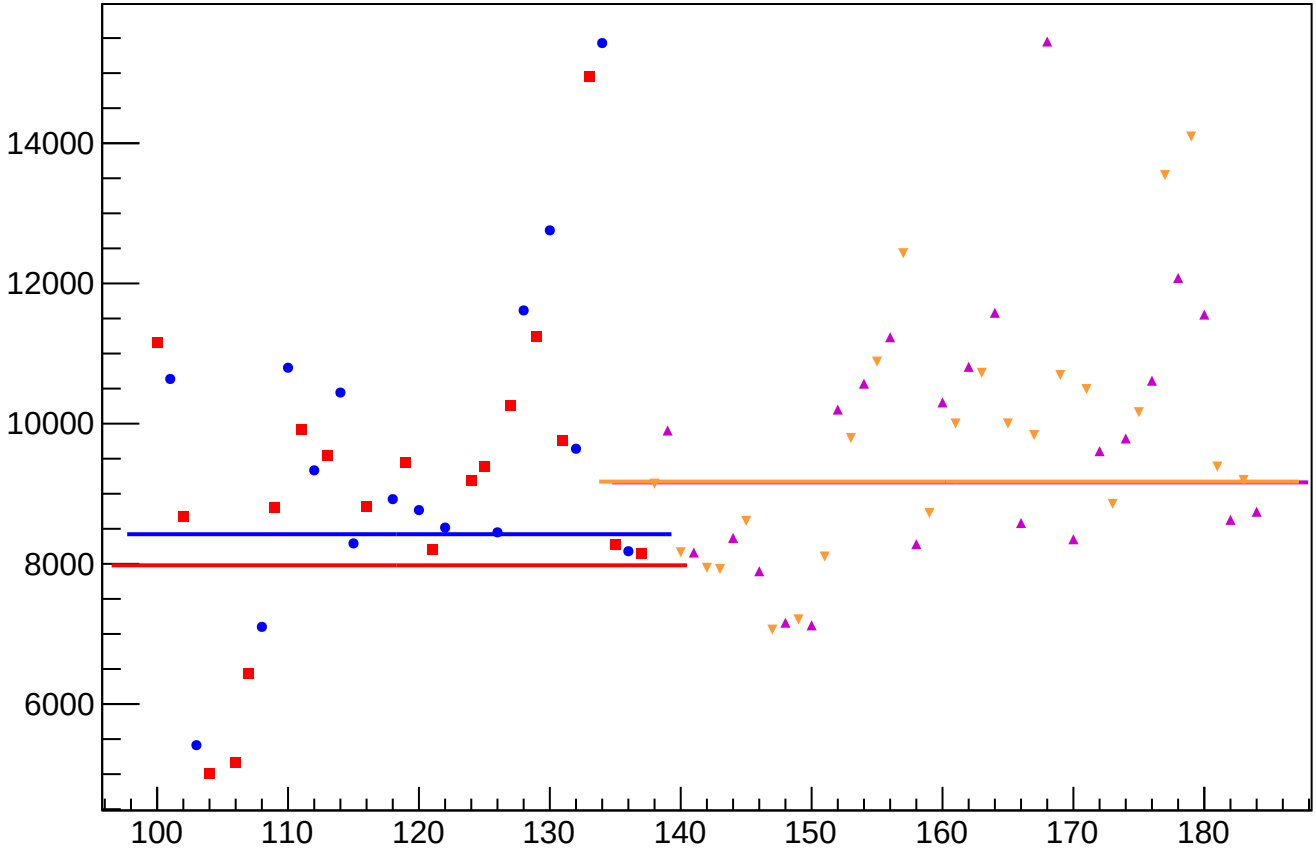
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 4191.456+/-1808.560 χ^2/NDF:29.3/38

Out: 1052.909+/-1755.531 χ^2/NDF:39.7/42

All: 2575.496+/-1259.678 χ^2/NDF: 70.5/81

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: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

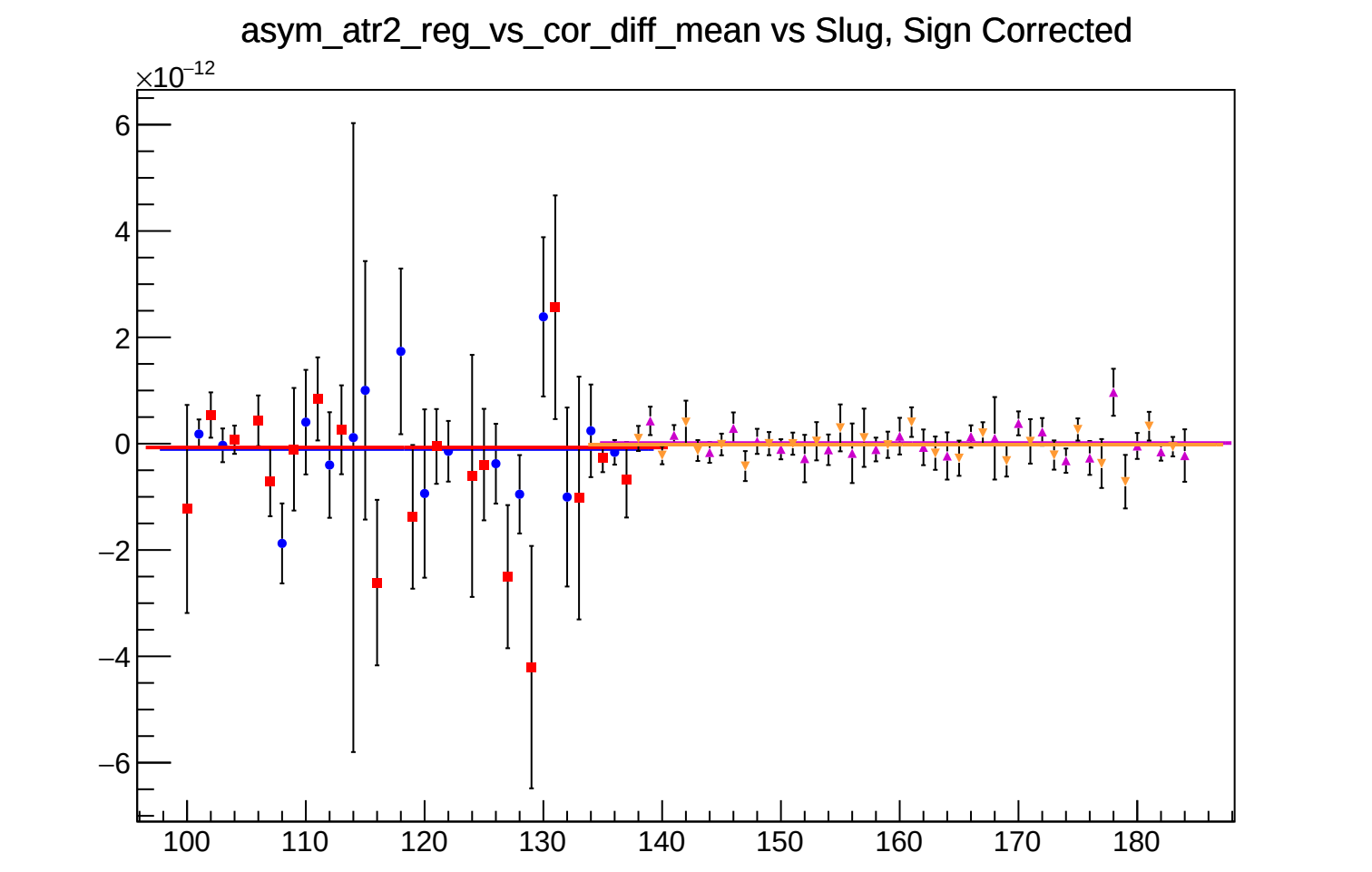
Left: 9167.837+/-1.080 χ^2/NDF: 2184501.5/46

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8931.799+/-1.279 χ^2/NDF:2081110.3/38

Out: 8782.346+/-1.241 χ^2/NDF:2276728.9/42

All: 8854.849+/-0.891 χ^2/NDF: 4364871.2/81



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:19.2/22

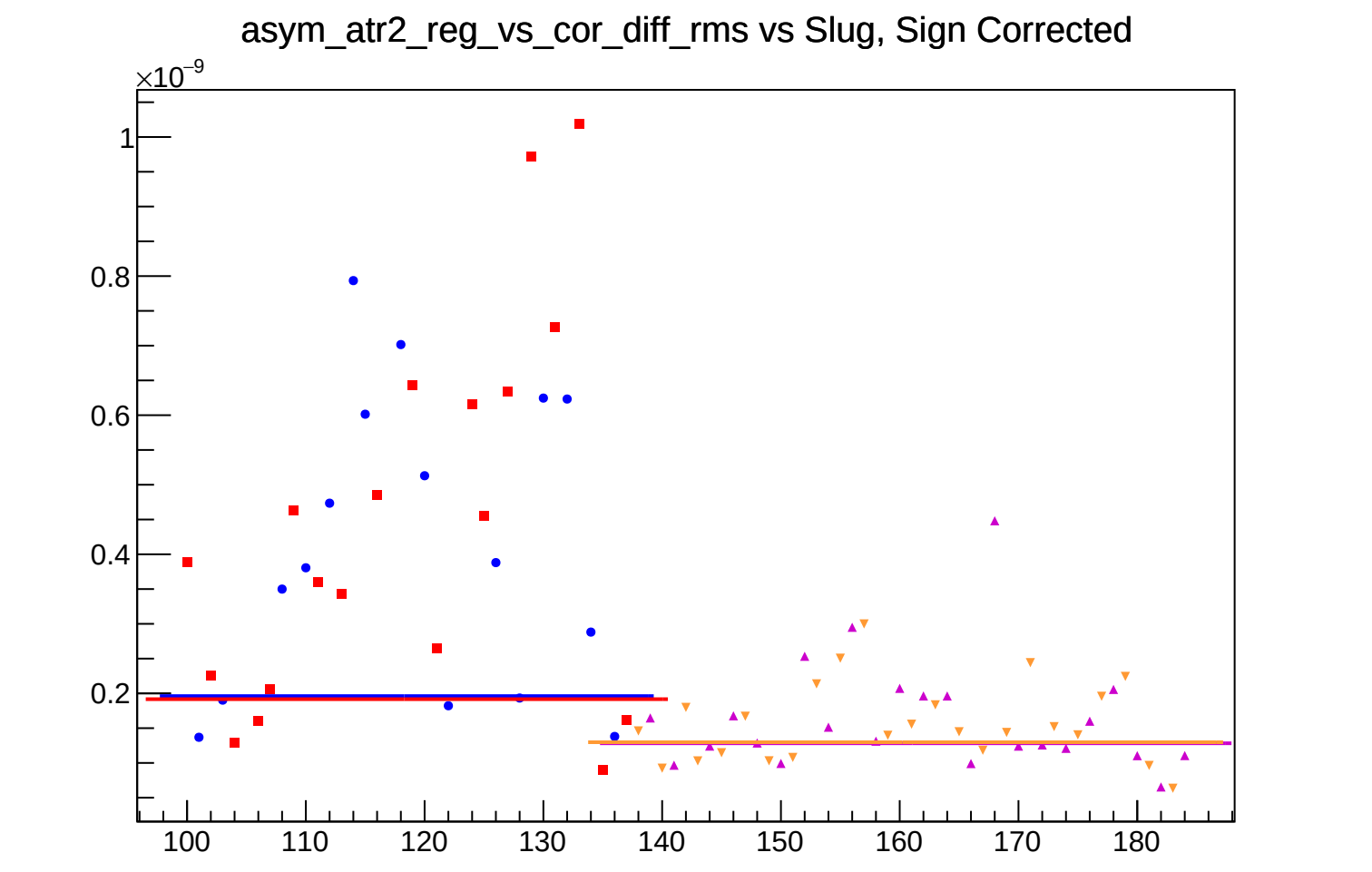
Left: -0.000+/-0.000 χ^2/NDF: 37.0/46

Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: -0.000+/-0.000 χ^2/NDF:33.4/38

Out: -0.000+/-0.000 χ^2/NDF:37.4/42

All: -0.000+/-0.000 χ^2/NDF: 70.9/81



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:1516080.8/22

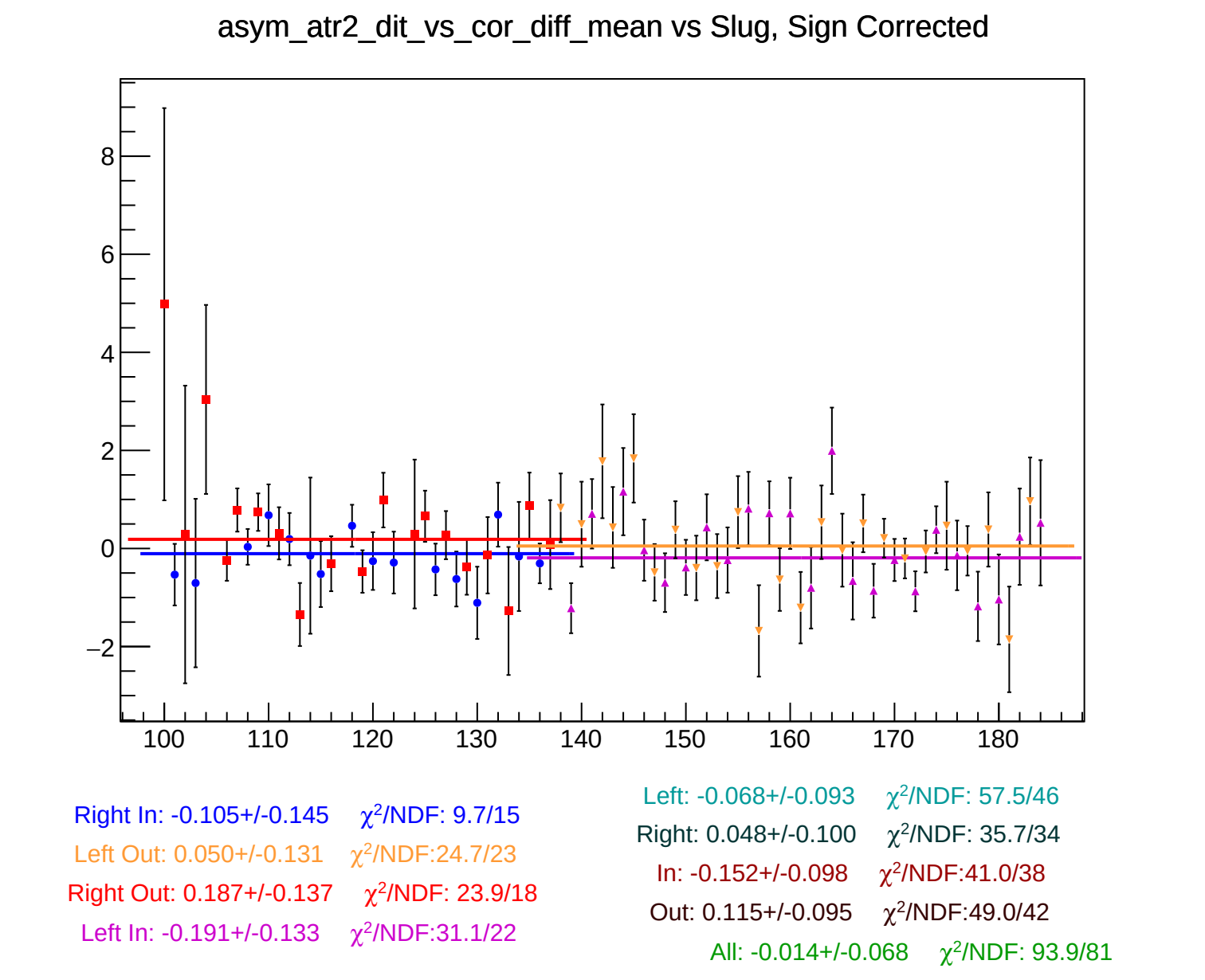
Left: 0.000+/-0.000 χ^2/NDF: 2906636.2/46

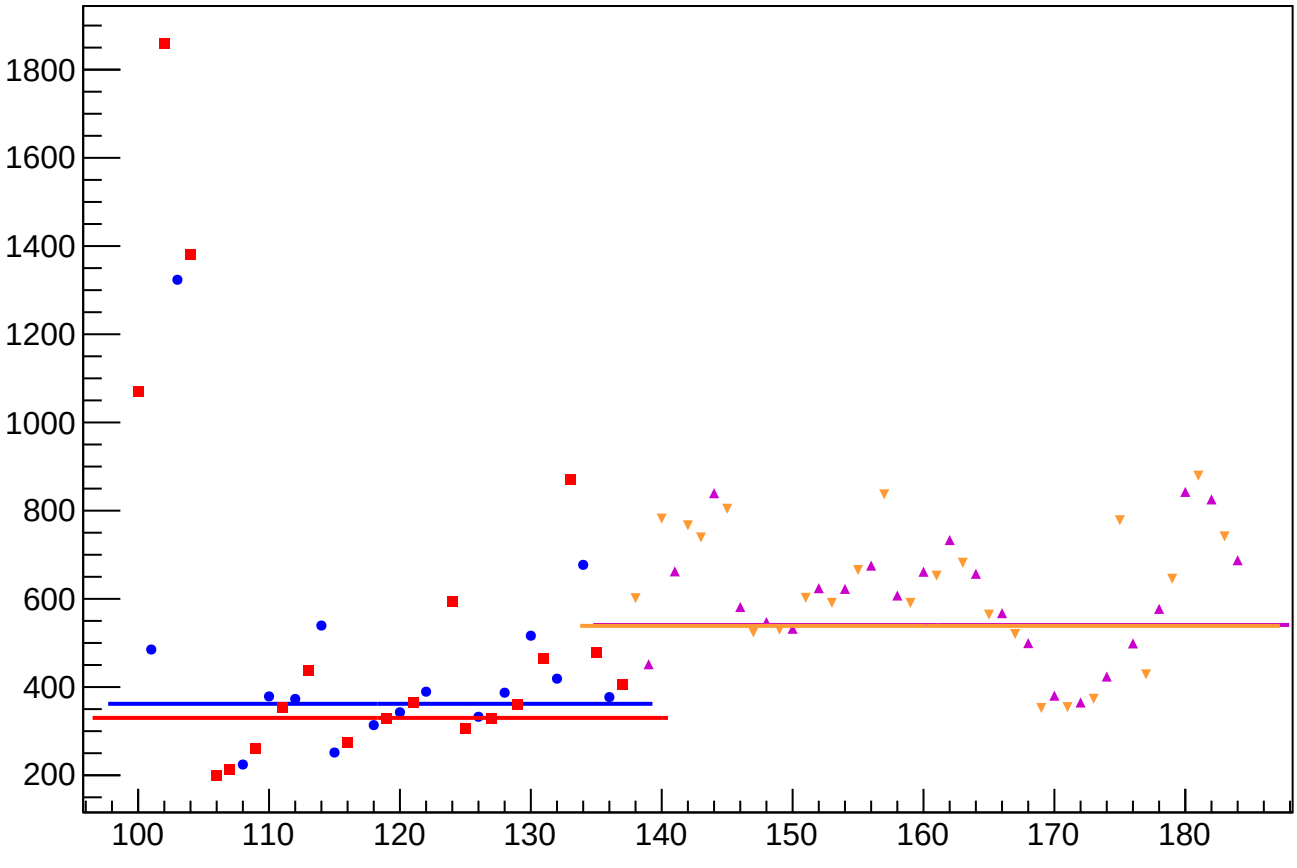
Right: 0.000+/-0.000 χ^2/NDF: 3409753.0/34

In: 0.000+/-0.000 χ^2/NDF:3296396.5/38

Out: 0.000+/-0.000 χ^2/NDF:3801685.5/42

All: 0.000+/-0.000 χ^2/NDF: 7098119.0/81


asym_atr2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.050+/-0.131 χ²/NDF:24.7/23
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.191+/-0.133 χ²/NDF:31.1/22
Left: -0.068+/-0.093 χ²/NDF: 57.5/46
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.152+/-0.098 χ²/NDF:41.0/38
Out: 0.115+/-0.095 χ²/NDF:49.0/42
All: -0.014+/-0.068 χ²/NDF: 93.9/81



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: 540.804+/-0.094 χ^2/NDF:1904998.0/22

Left: 539.762+/-0.066 χ^2/NDF: 4616984.7/46

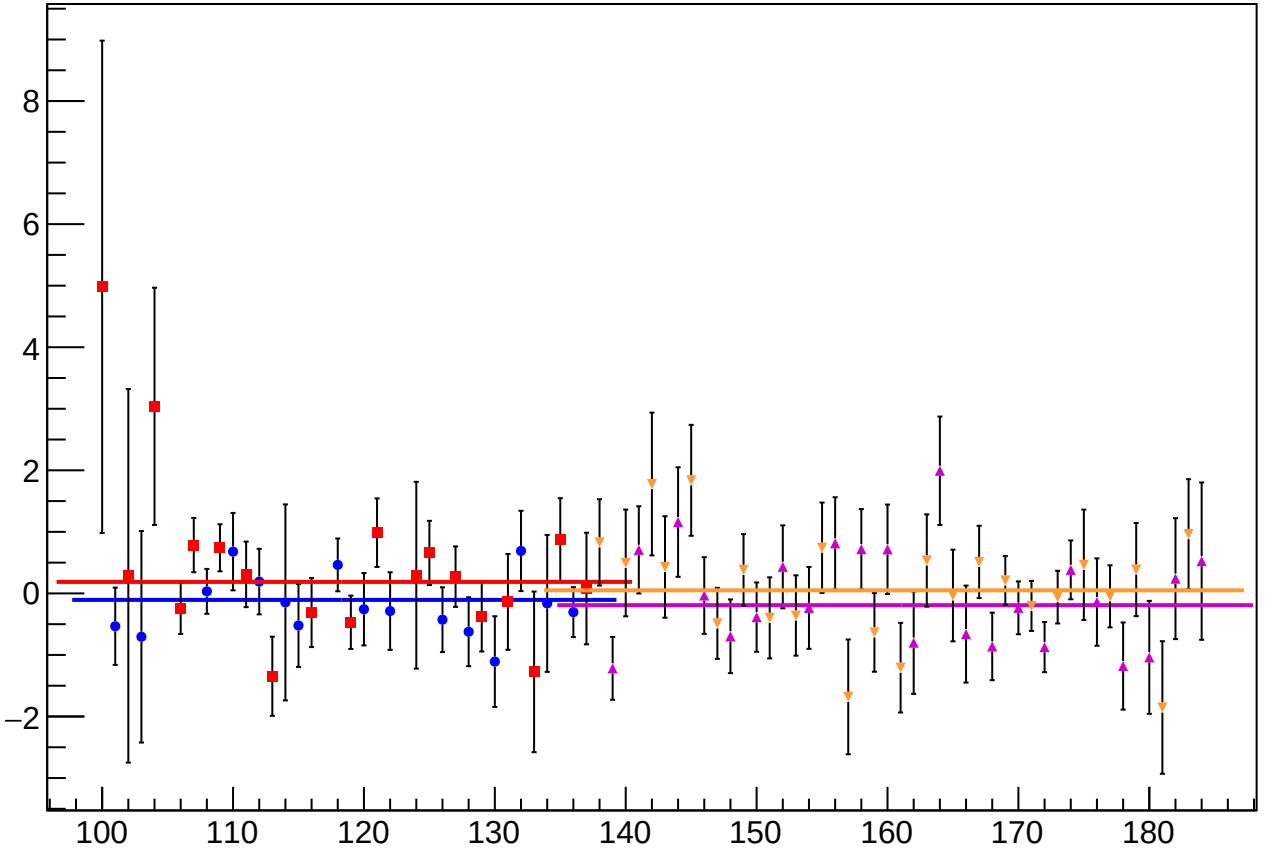
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 458.840+/-0.069 χ^2/NDF:4935657.7/38

Out: 439.325+/-0.067 χ^2/NDF:7372734.7/42

All: 448.767+/-0.048 χ^2/NDF: 12349352.3/81

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: -0.191+/-0.133 χ^2/NDF:31.1/22

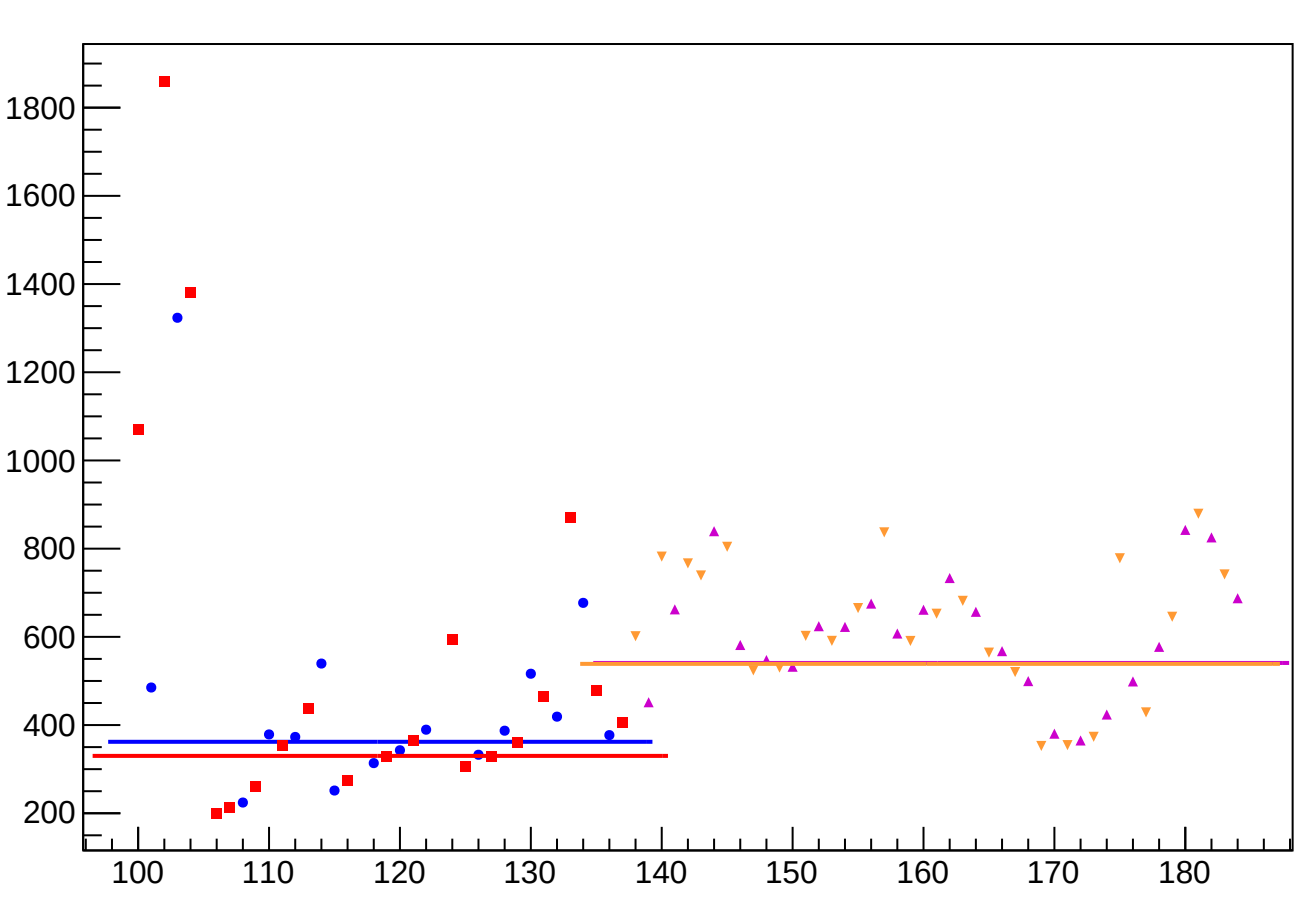
Left: -0.068+/-0.093 χ^2/NDF: 57.5/46

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.152+/-0.098 χ^2/NDF:41.0/38

Out: 0.115+/-0.095 χ^2/NDF:49.0/42

All: -0.014+/-0.068 χ^2/NDF: 93.9/81



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: 540.804+/-0.094 χ^2/NDF:1904998.0/22

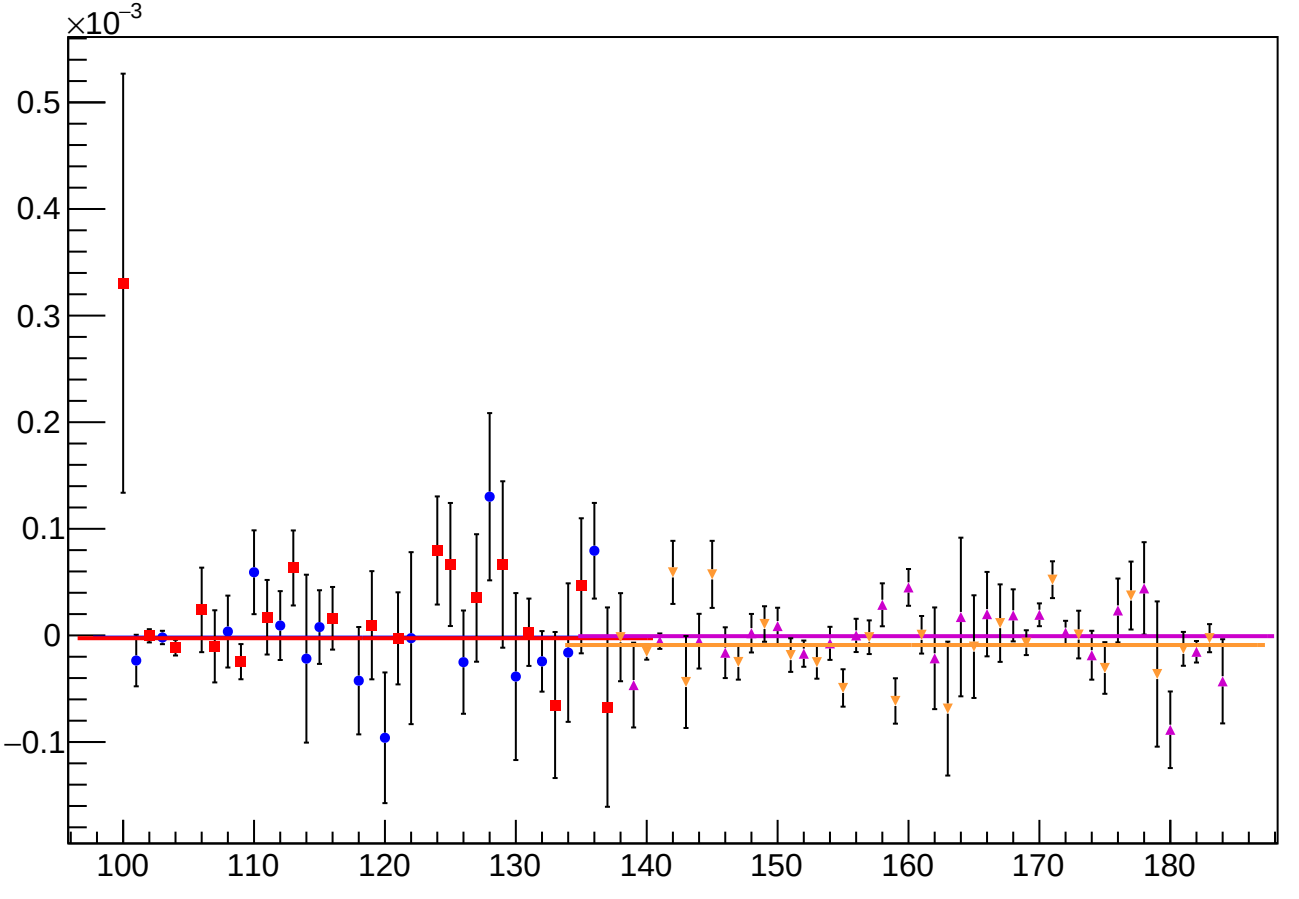
Left: 539.762+/-0.066 χ^2/NDF: 4616984.7/46

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 458.840+/-0.069 χ^2/NDF:4935657.7/38

Out: 439.325+/-0.067 χ^2/NDF:7372734.7/42

All: 448.767+/-0.048 χ^2/NDF: 12349352.3/81



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:30.0/22

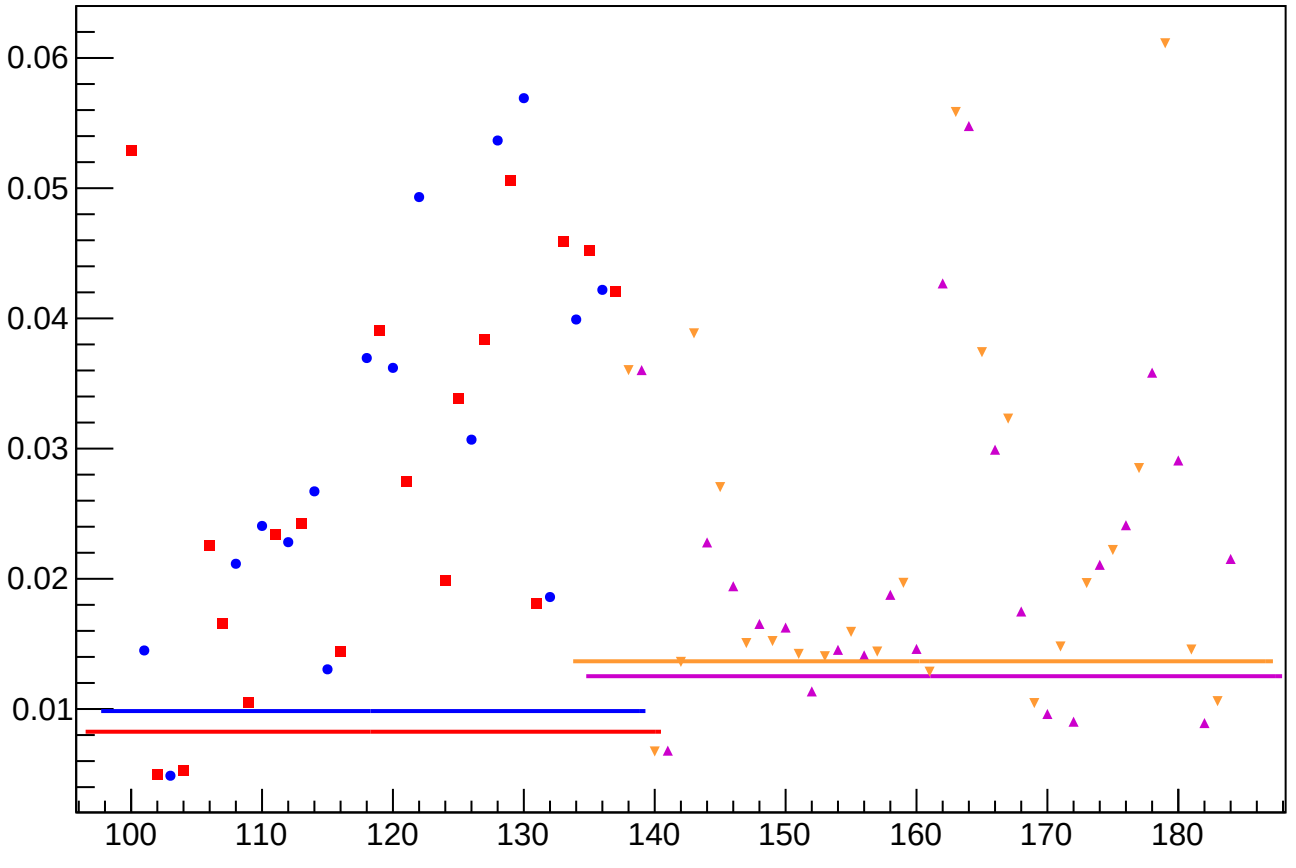
Left: -0.000+/-0.000 χ^2/NDF: 77.0/46

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:43.8/38

Out: -0.000+/-0.000 χ^2/NDF:63.7/42

All: -0.000+/-0.000 χ^2/NDF: 109.2/81



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: 0.013+/-0.000 χ^2/NDF:7121524.7/22

Left: 0.013+/-0.000 χ^2/NDF: 14856576.7/46

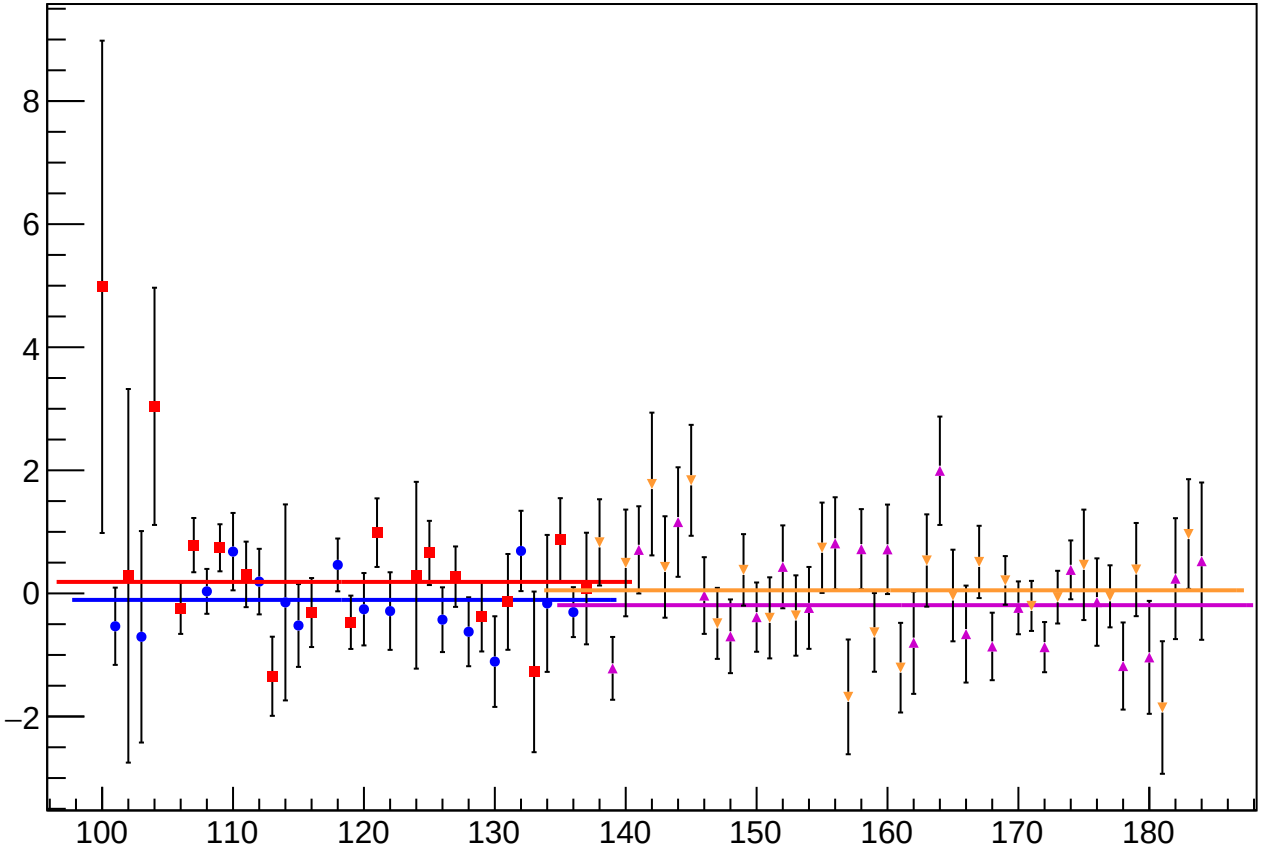
Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:14523056.7/38

Out: 0.011+/-0.000 χ^2/NDF:16264727.6/42

All: 0.012+/-0.000 χ^2/NDF: 30804612.2/81

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: -0.191+/-0.133 χ^2/NDF:31.1/22

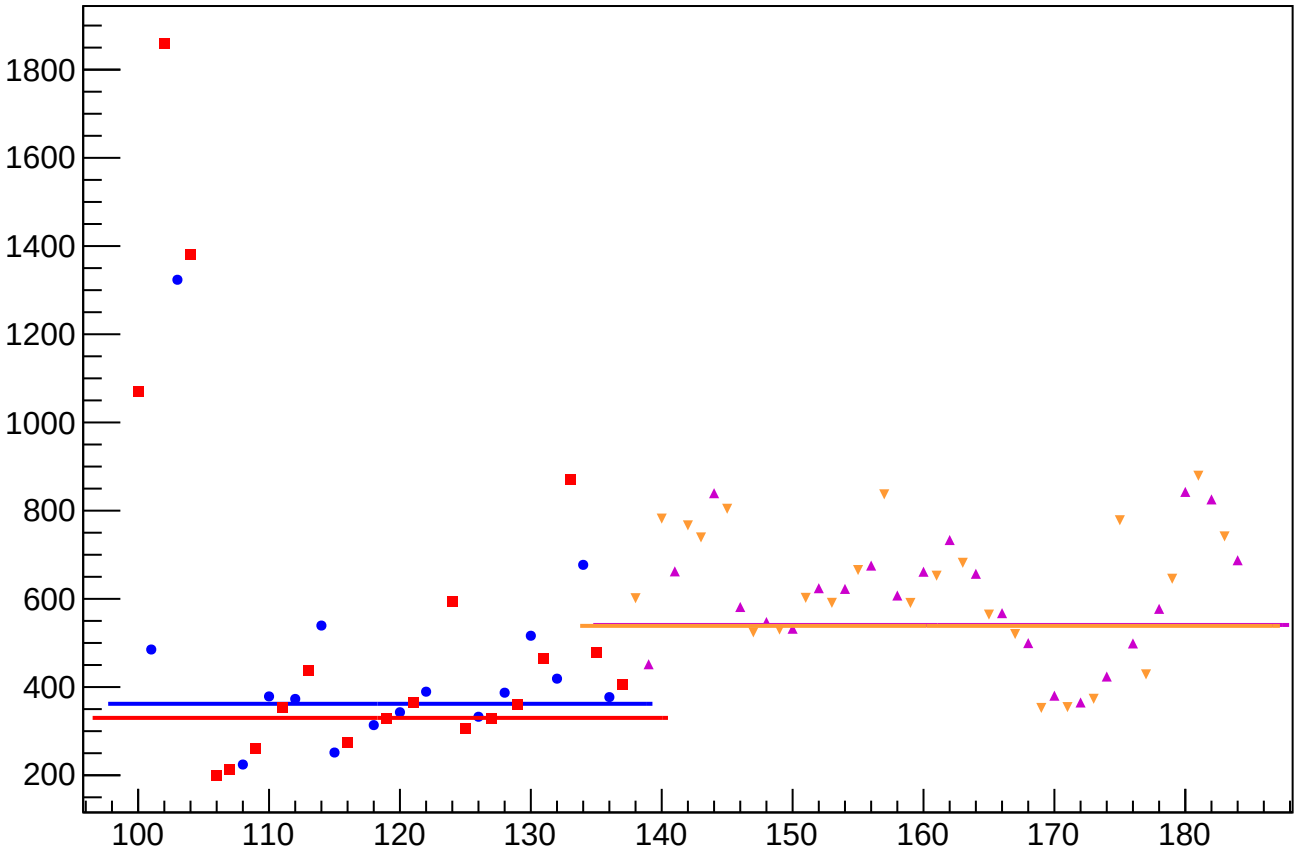
Left: -0.068+/-0.093 χ^2/NDF: 57.5/46

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.152+/-0.098 χ^2/NDF:41.0/38

Out: 0.115+/-0.095 χ^2/NDF:49.0/42

All: -0.014+/-0.068 χ^2/NDF: 93.9/81



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: 540.809+/-0.094 χ^2/NDF:1905035.9/22

Left: 539.766+/-0.066 χ^2/NDF: 4617109.8/46

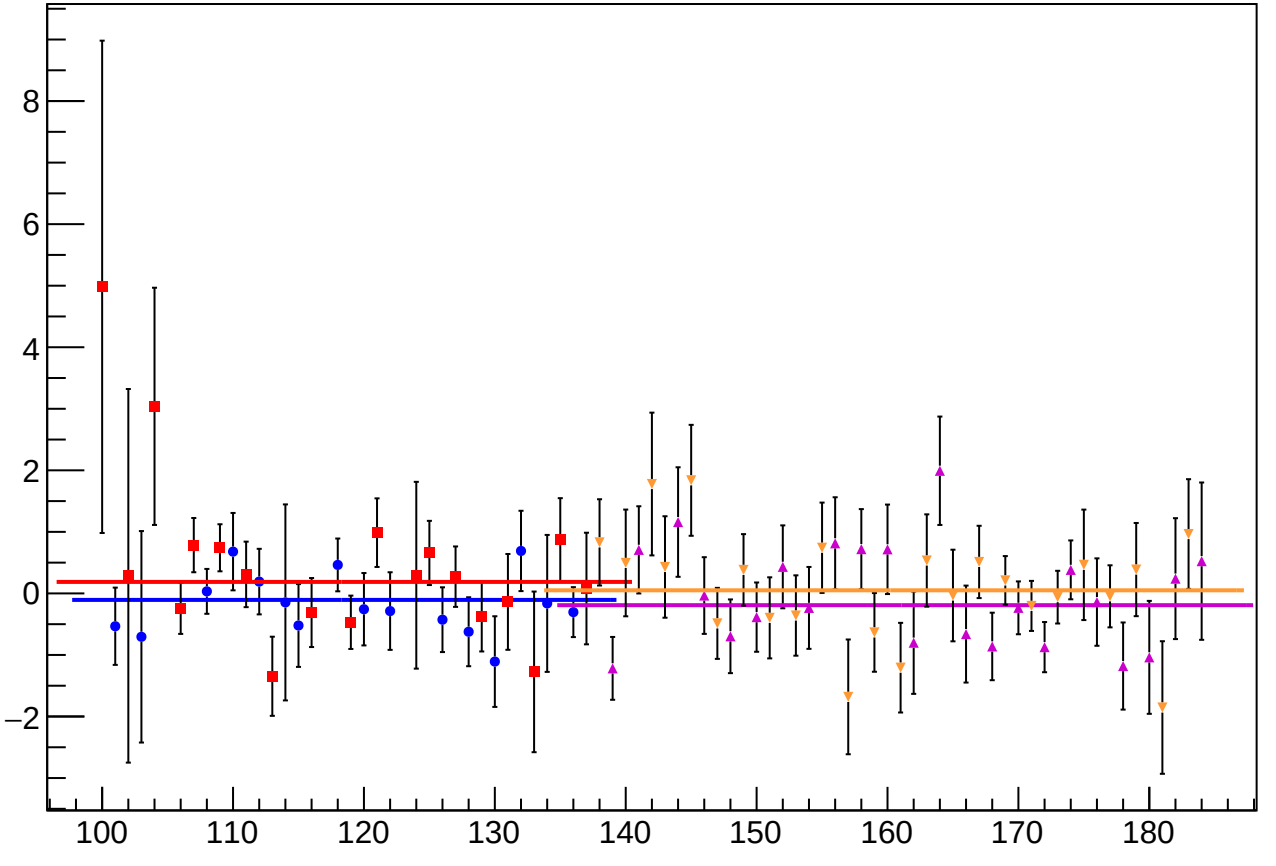
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 458.840+/-0.069 χ^2/NDF:4935839.9/38

Out: 439.326+/-0.067 χ^2/NDF:7372933.7/42

All: 448.768+/-0.048 χ^2/NDF: 12349732.3/81

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: -0.191+/-0.133 χ^2/NDF:31.1/22

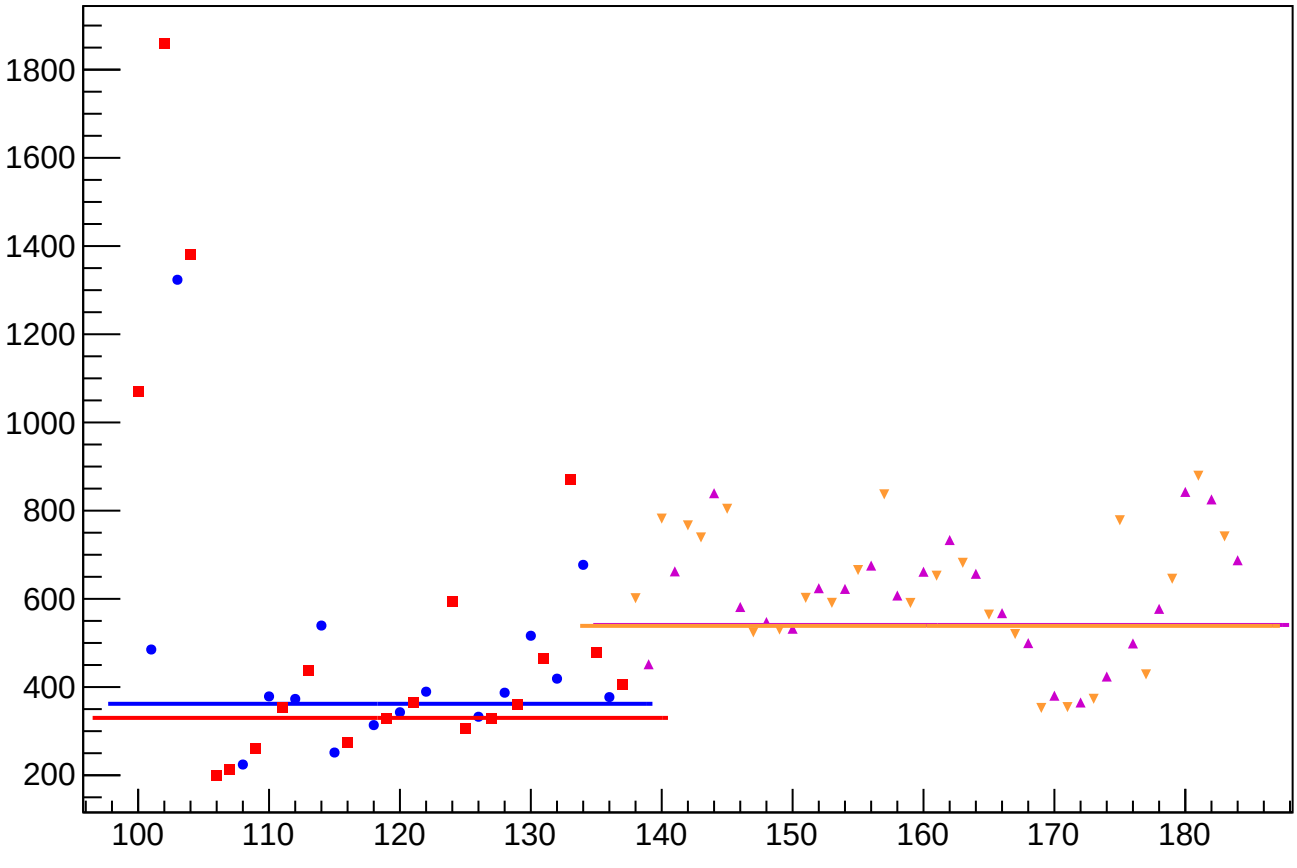
Left: -0.068+/-0.093 χ^2/NDF: 57.5/46

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.152+/-0.098 χ^2/NDF:41.0/38

Out: 0.115+/-0.095 χ^2/NDF:49.0/42

All: -0.014+/-0.068 χ^2/NDF: 93.9/81



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: 540.809+/-0.094 χ^2/NDF:1905035.9/22

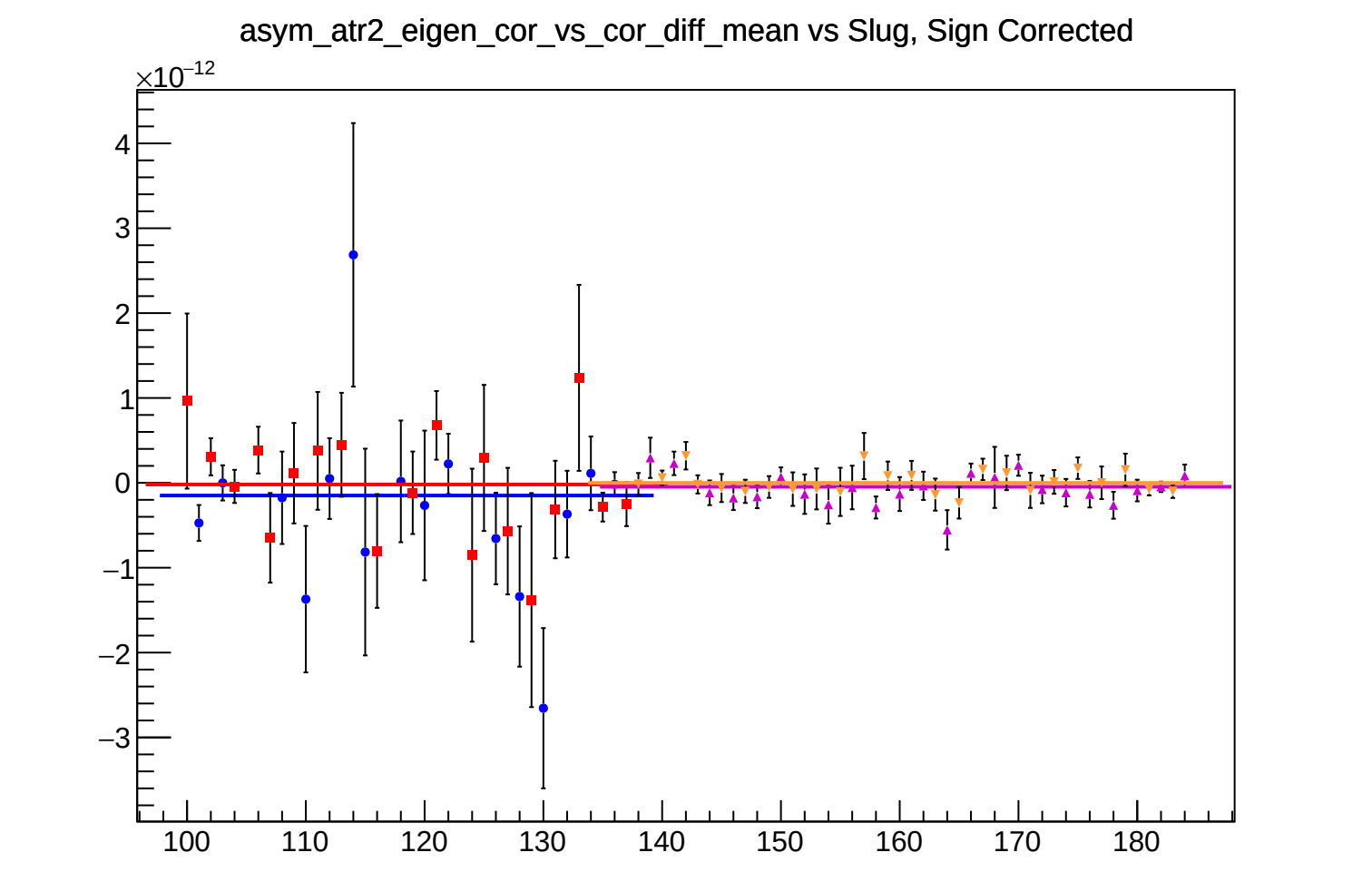
Left: 539.766+/-0.066 χ^2/NDF: 4617109.8/46

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 458.840+/-0.069 χ^2/NDF:4935839.9/38

Out: 439.326+/-0.067 χ^2/NDF:7372933.7/42

All: 448.768+/-0.048 χ^2/NDF: 12349732.3/81



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:28.2/22

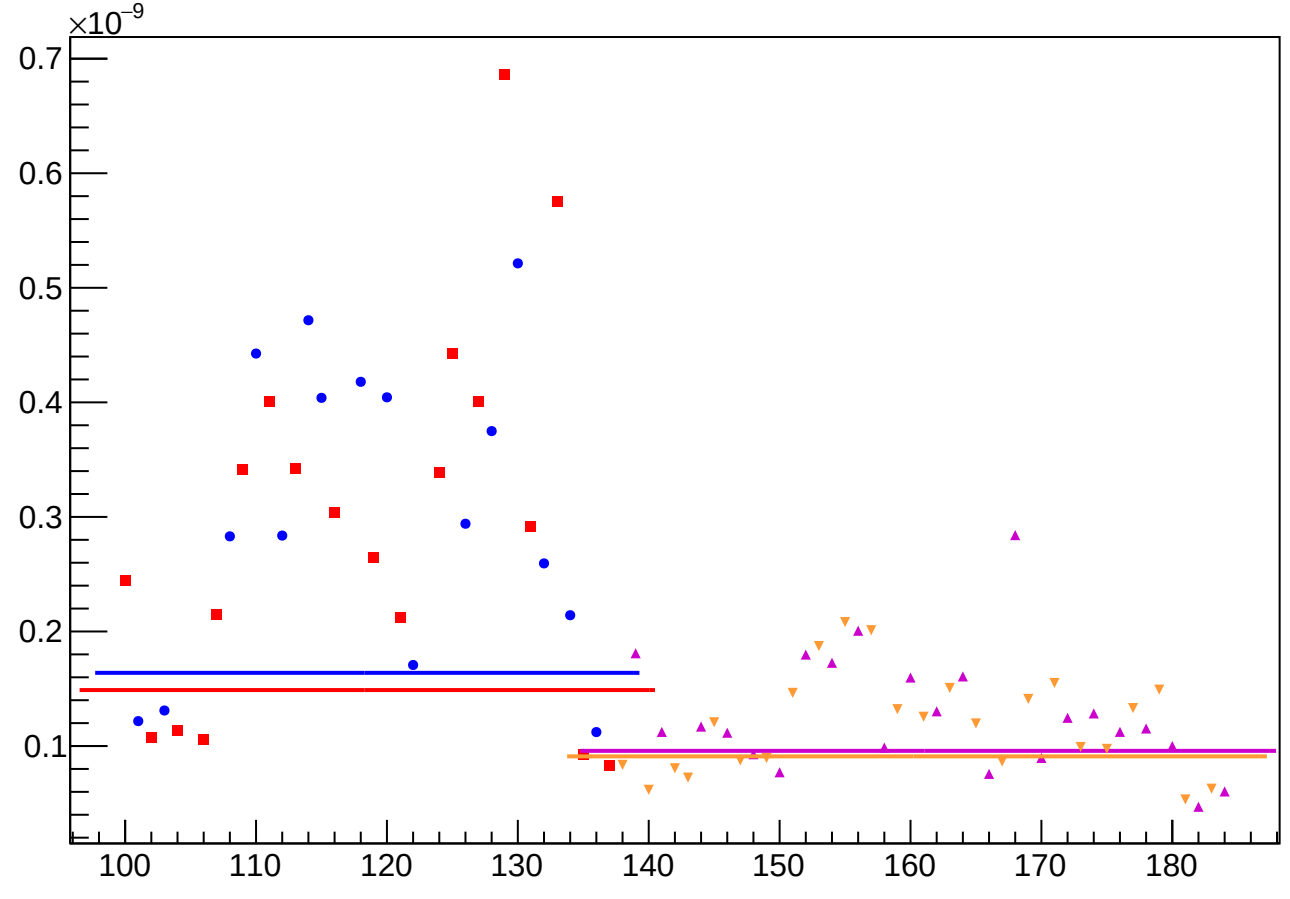
Left: -0.000+/-0.000 χ^2/NDF: 46.3/46

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:50.7/38

Out: -0.000+/-0.000 χ^2/NDF:36.3/42

All: -0.000+/-0.000 χ^2/NDF: 89.0/81



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:3905784.1/22

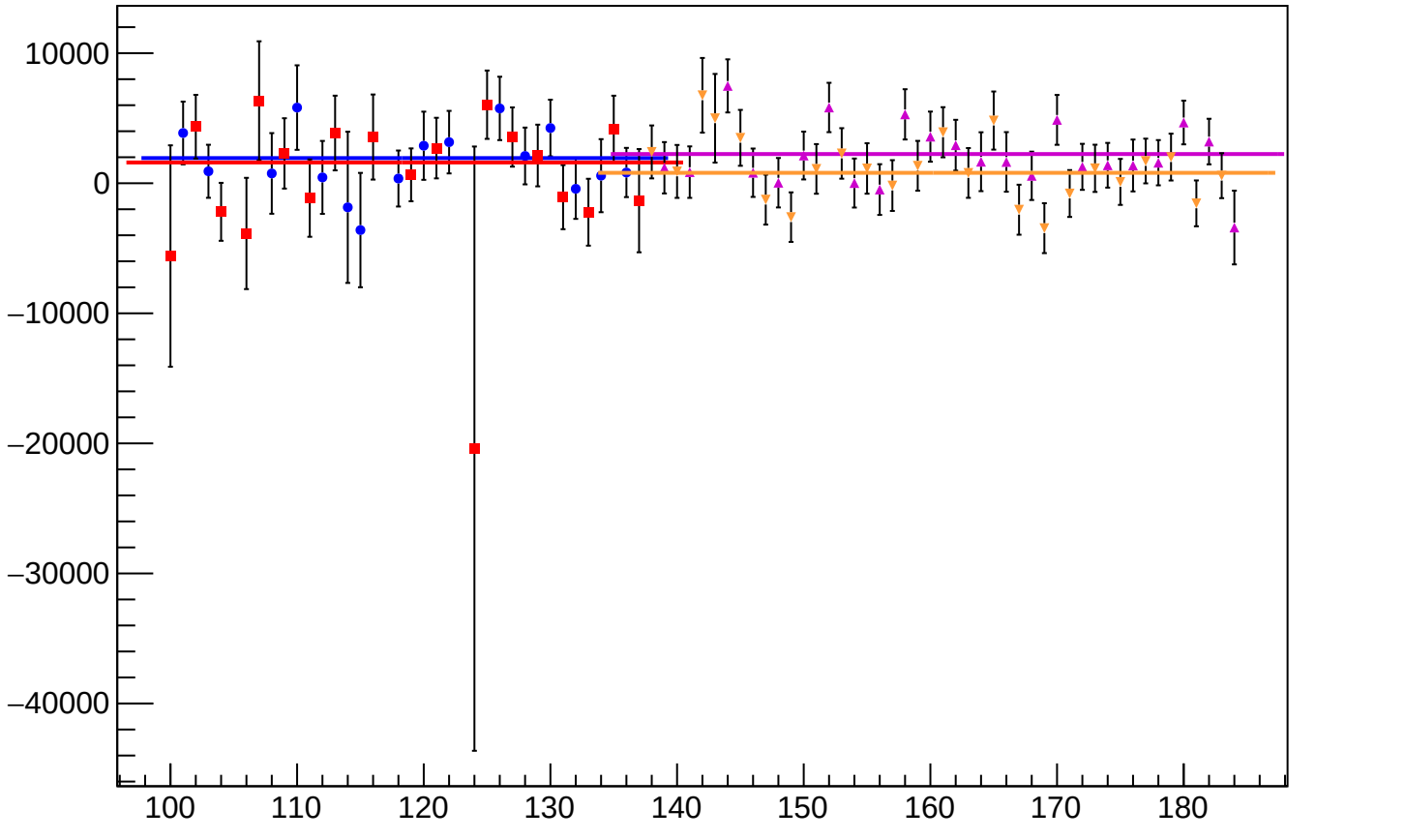
Left: 0.000+/-0.000 χ^2/NDF: 7302263.1/46

Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:7012216.7/38

Out: 0.000+/-0.000 χ^2/NDF:7078800.2/42

All: 0.000+/-0.000 χ^2/NDF: 14138125.5/81



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: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1518.168+/-282.364 χ^2/NDF: 65.8/46

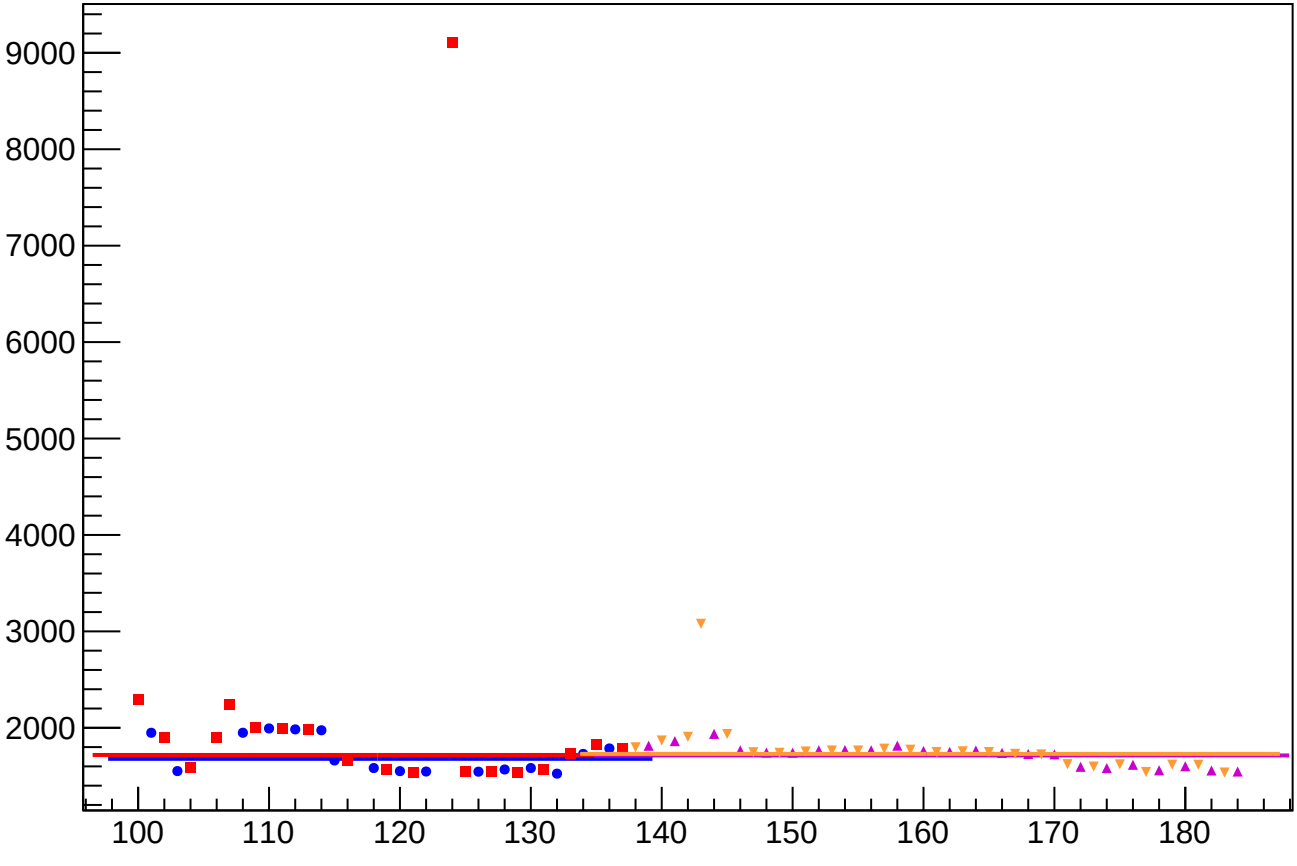
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2155.225+/-337.808 χ^2/NDF:40.5/38

Out: 1022.497+/-338.245 χ^2/NDF:50.3/42

All: 1589.592+/-239.021 χ^2/NDF: 96.4/81

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: 1713.156+/-0.283 χ^2/NDF:129290.6/22

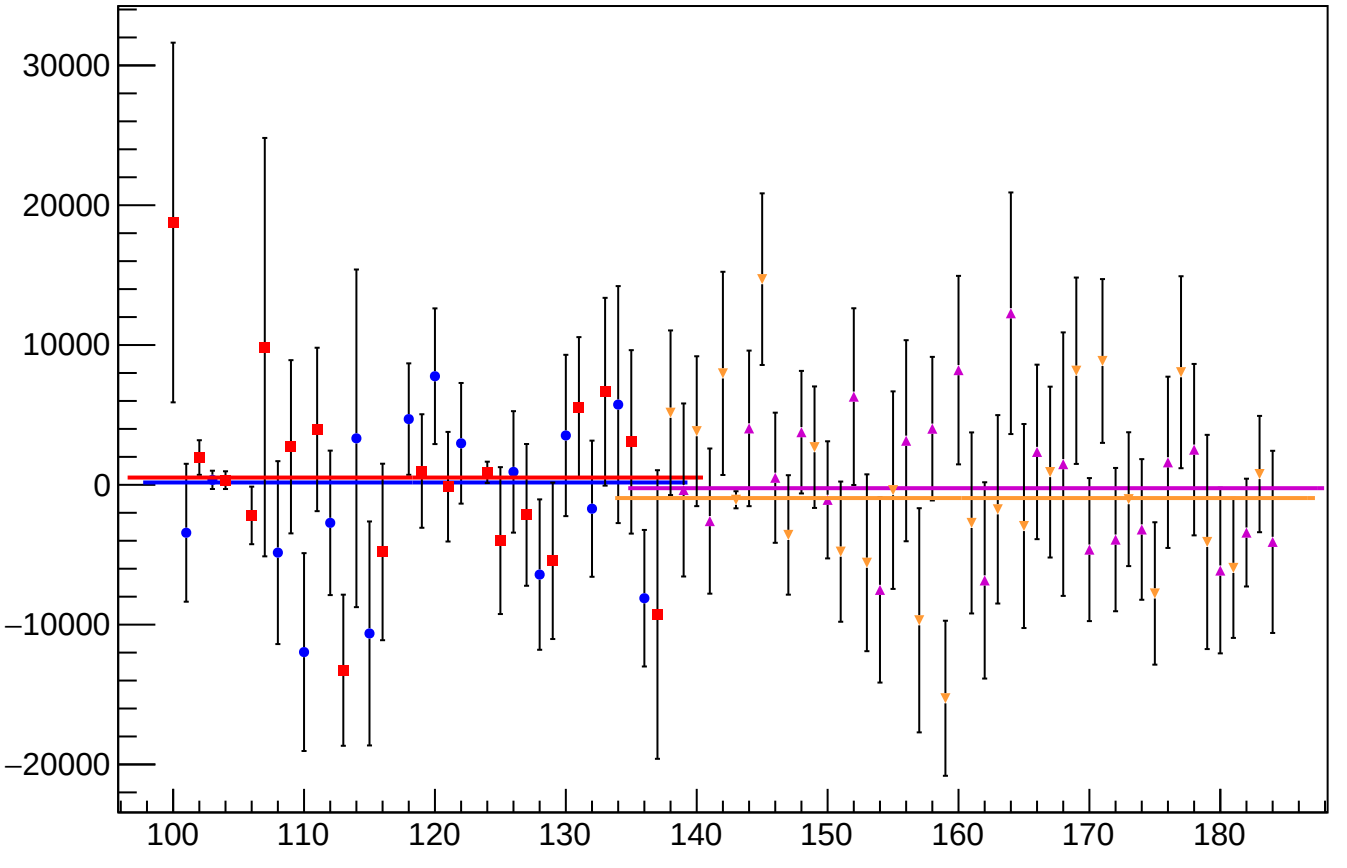
Left: 1721.431+/-0.200 χ^2/NDF: 576828.9/46

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1703.136+/-0.239 χ^2/NDF:275091.9/38

Out: 1726.440+/-0.239 χ^2/NDF:829472.7/42

All: 1714.788+/-0.169 χ^2/NDF: 1109323.5/81



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: -239.582+/-1165.046 χ^2/NDF:13.5/22

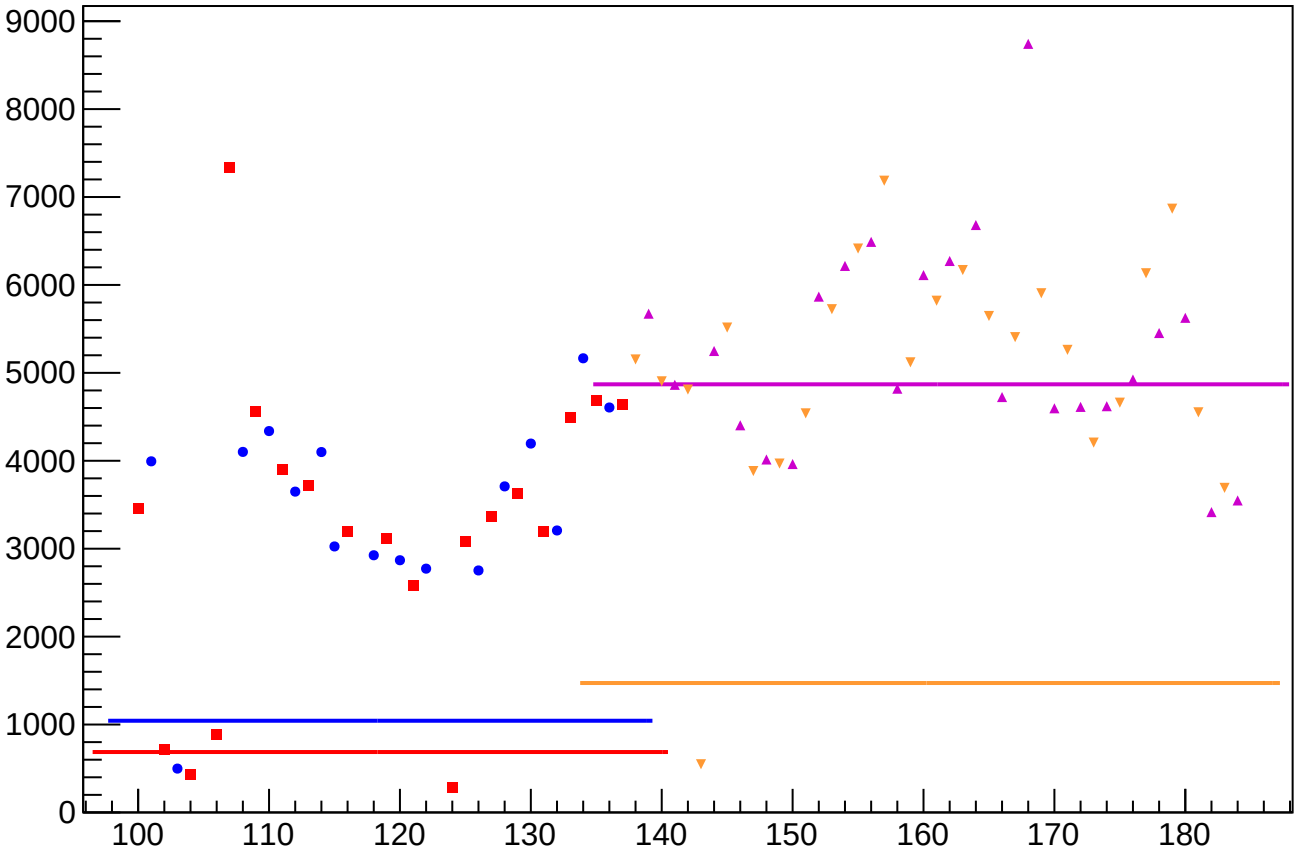
Left: -820.468+/-491.969 χ^2/NDF: 43.6/46

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 84.671+/-527.494 χ^2/NDF:29.5/38

Out: -36.429+/-334.508 χ^2/NDF:52.8/42

All: -1.697+/-282.495 χ^2/NDF: 82.3/81



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: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

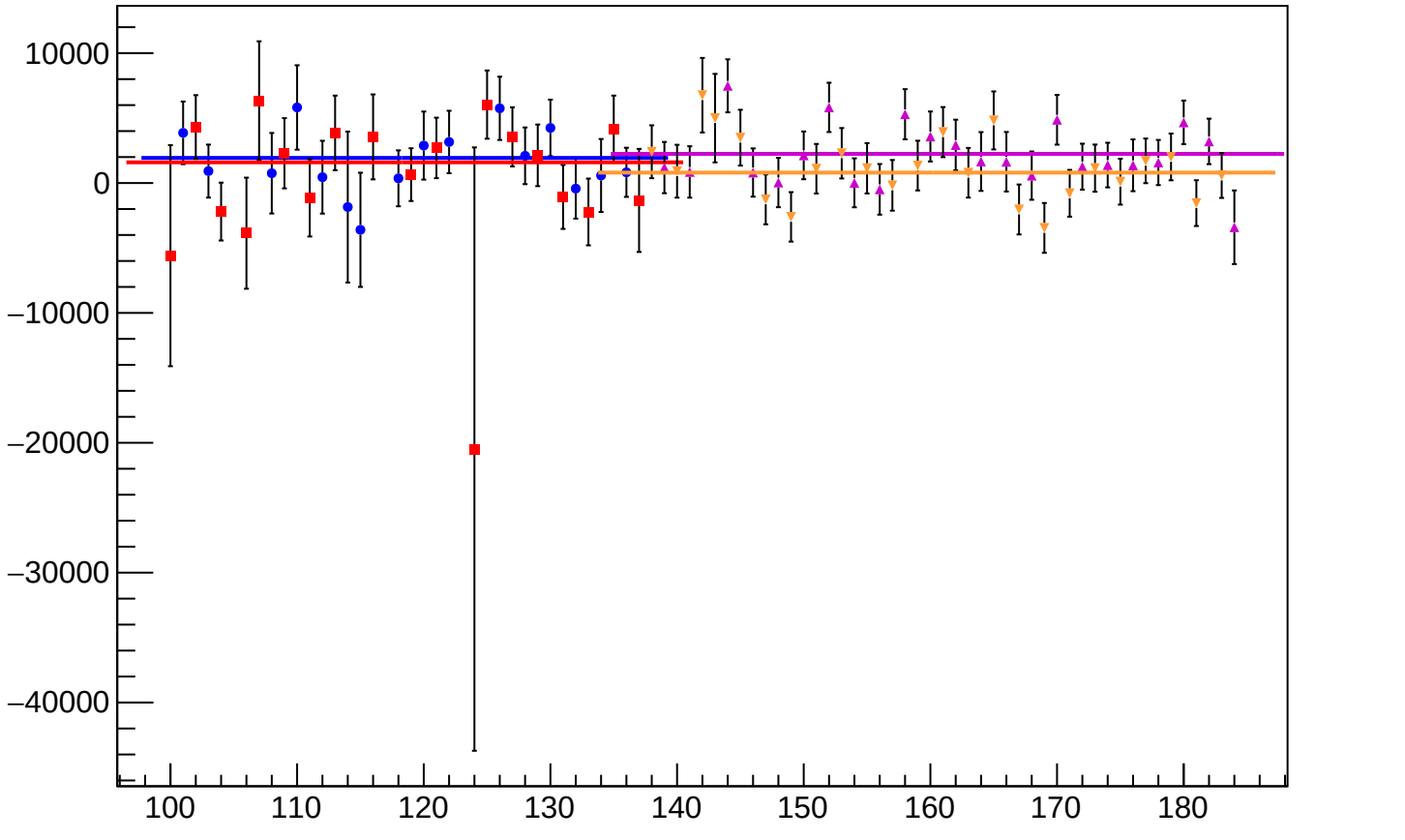
Left: 2078.080+/-0.348 χ^2/NDF: 38485847.1/46

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1827.558+/-0.373 χ^2/NDF:26738960.1/38

Out: 985.507+/-0.237 χ^2/NDF:34262317.9/42

All: 1227.011+/-0.200 χ^2/NDF: 64636077.2/8



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: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1518.164+/-282.364 χ^2/NDF: 65.8/46

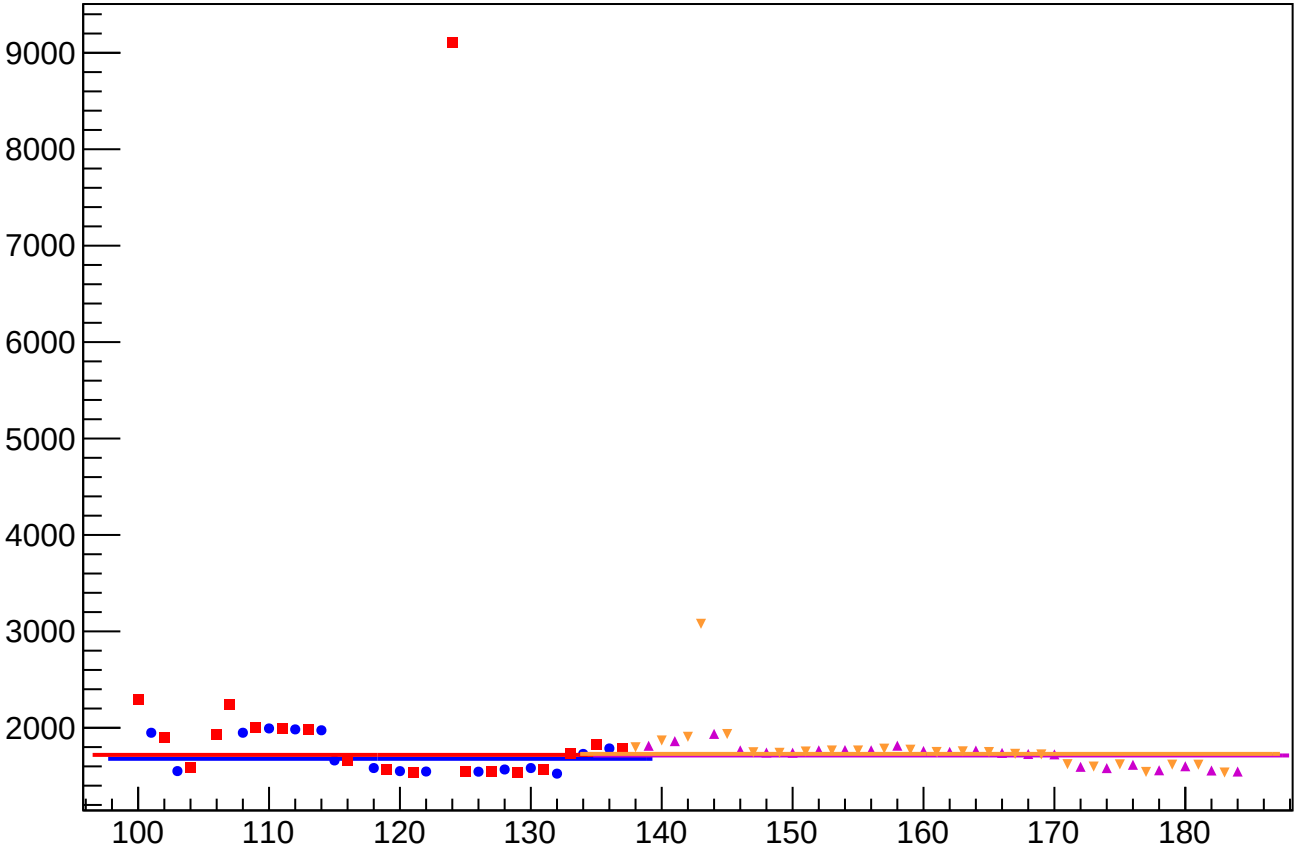
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2155.272+/-337.808 χ^2/NDF:40.5/38

Out: 1021.799+/-338.246 χ^2/NDF:50.3/42

All: 1589.269+/-239.021 χ^2/NDF: 96.4/81

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: 1713.156+/-0.283 χ^2/NDF:129290.6/22

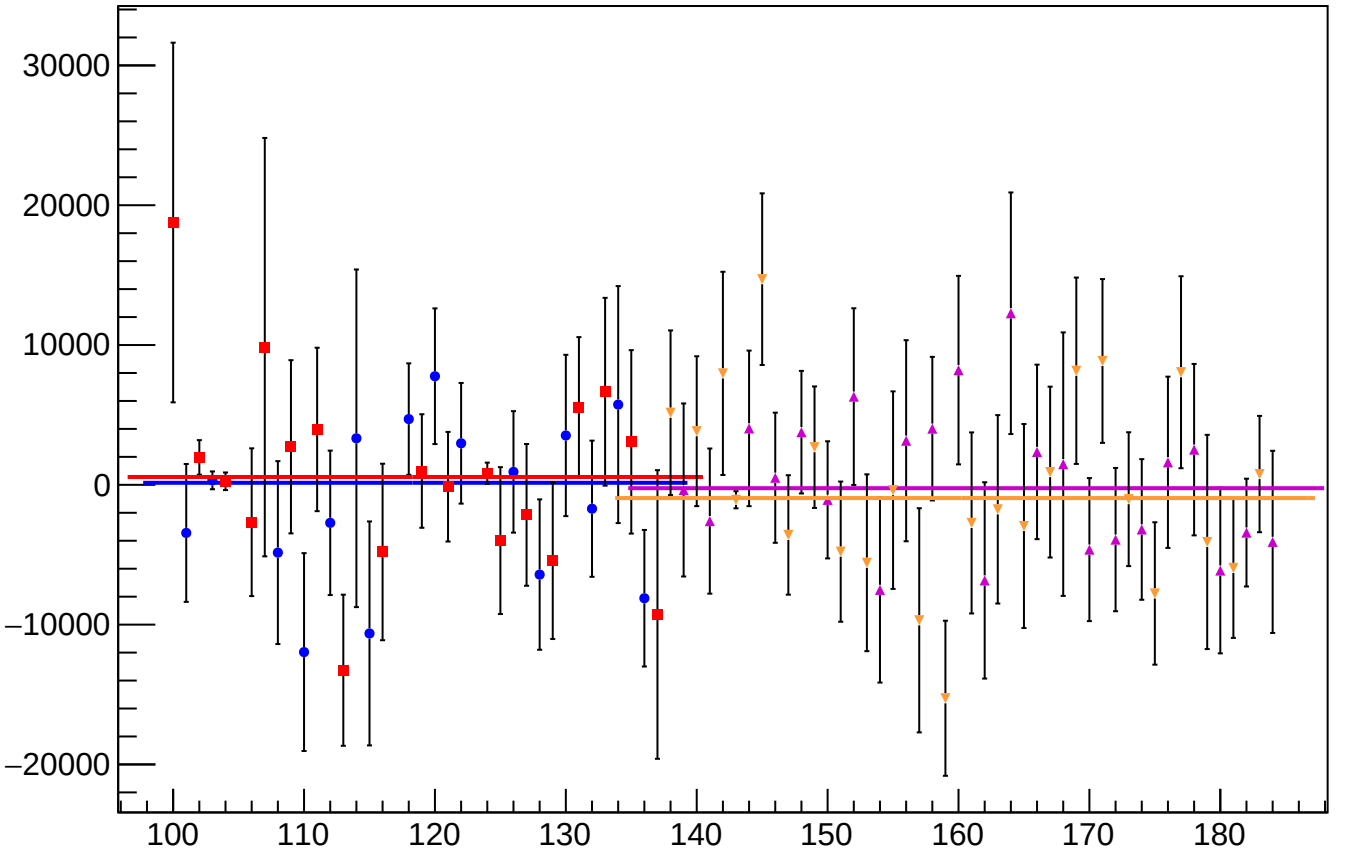
Left: 1721.431+/-0.200 χ^2/NDF: 576828.9/46

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1703.136+/-0.239 χ^2/NDF:275091.9/38

Out: 1726.675+/-0.239 χ^2/NDF:831151.5/42

All: 1714.904+/-0.169 χ^2/NDF: 1111098.2/81



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: -239.478+/-1165.045 χ^2/NDF:13.5/22

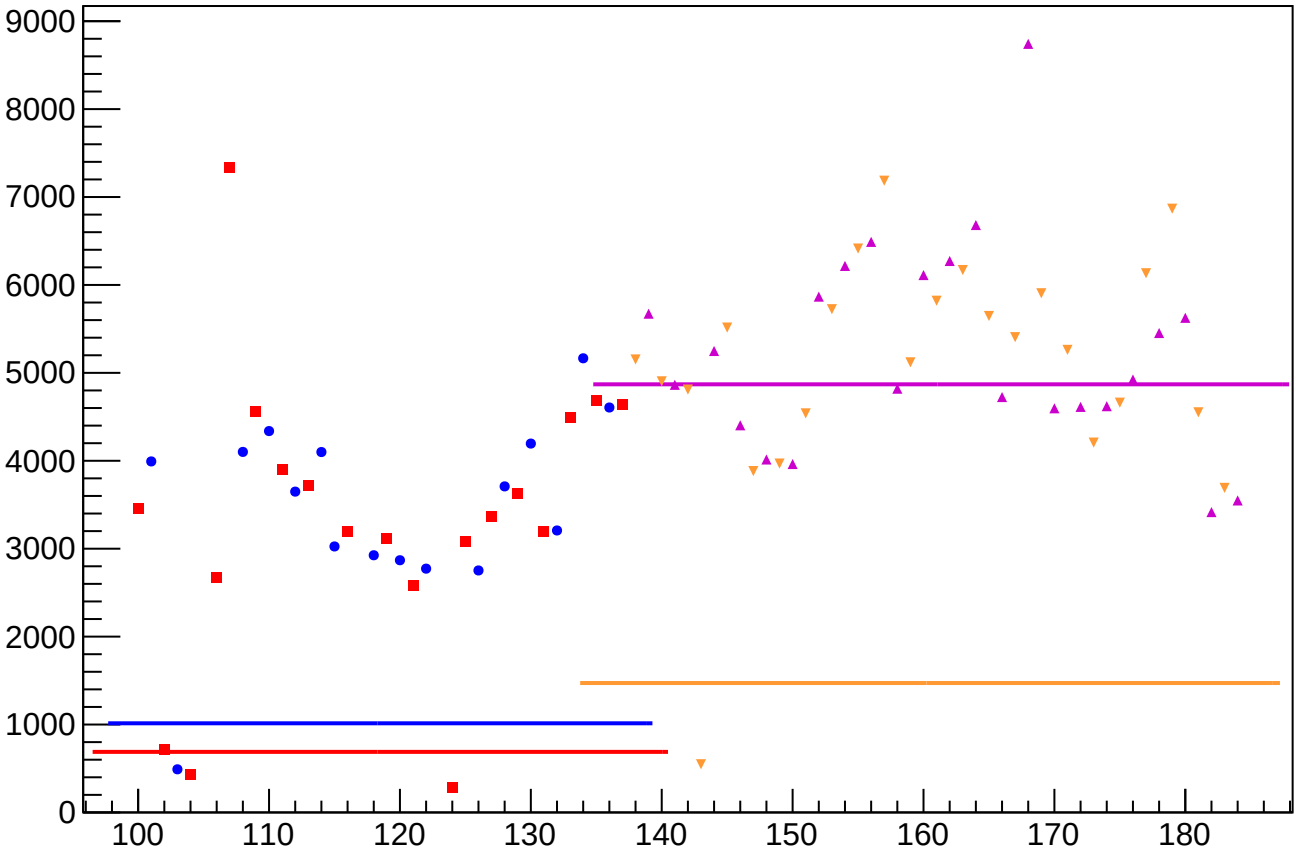
Left: -820.191+/-491.956 χ^2/NDF: 43.6/46

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 70.014+/-518.755 χ^2/NDF:29.4/38

Out: -21.021+/-337.332 χ^2/NDF:51.7/42

All: 6.034+/-282.799 χ^2/NDF: 81.2/81



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: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

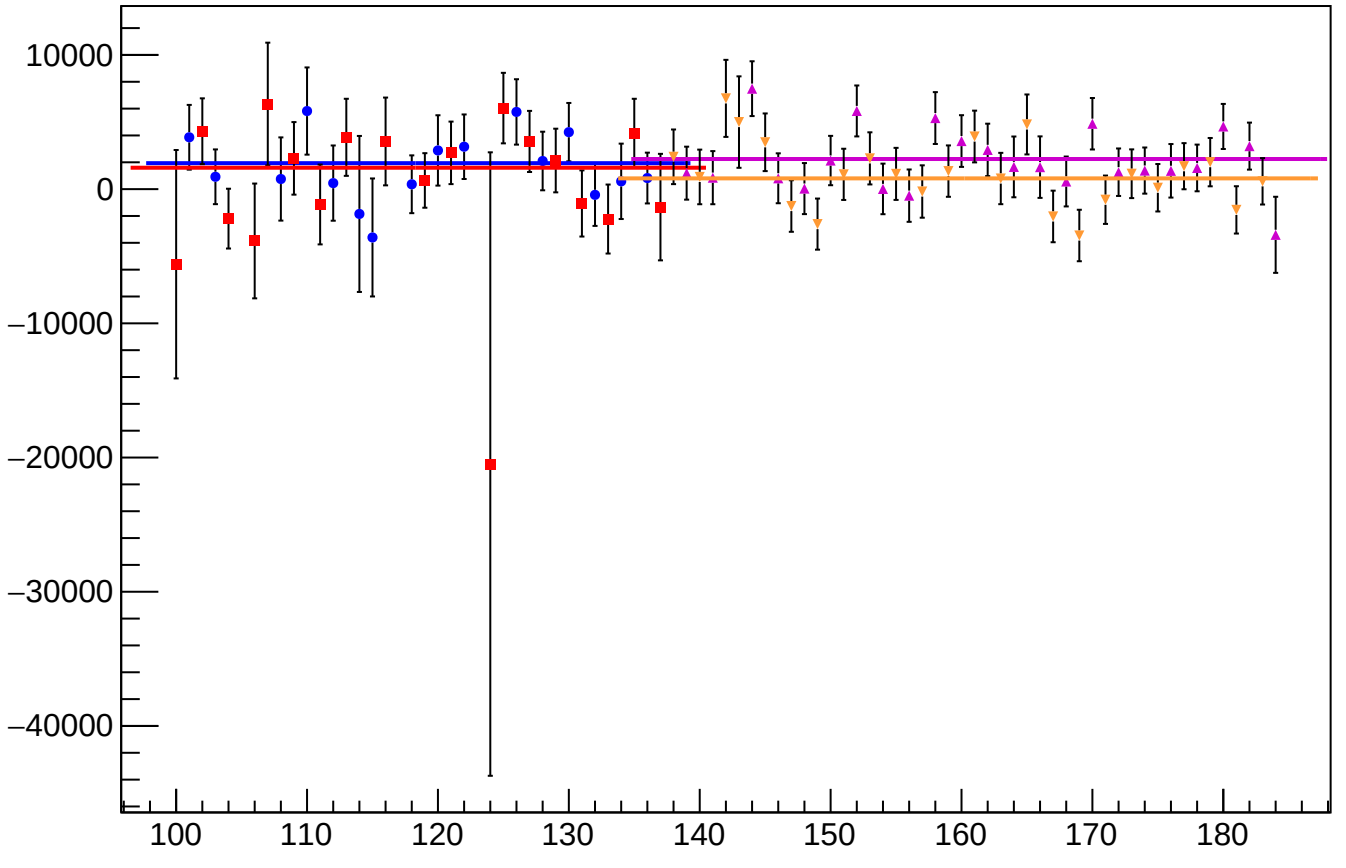
Left: 2077.983+/-0.348 χ^2/NDF: 38487255.0/46

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1778.513+/-0.367 χ^2/NDF:27258799.1/38

Out: 991.613+/-0.239 χ^2/NDF:34503092.1/42

All: 1225.470+/-0.200 χ^2/NDF: 64996221.9/8



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: 2245.061+/-400.753 χ^2/NDF:29.4/22

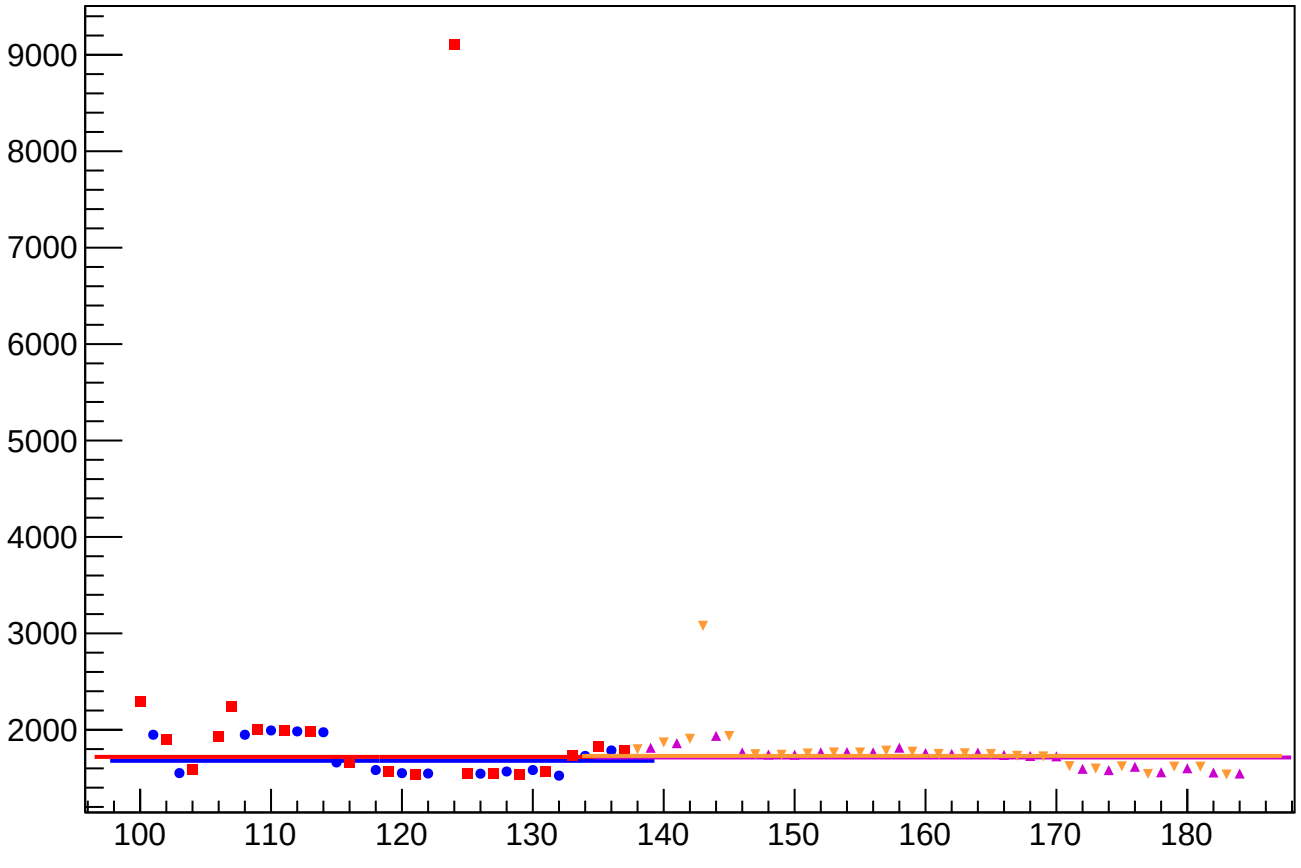
Left: 1518.164+/-282.364 χ^2/NDF: 65.8/46

Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2155.272+/-337.808 χ^2/NDF:40.5/38

Out: 1021.799+/-338.246 χ^2/NDF:50.3/42

All: 1589.269+/-239.021 χ^2/NDF: 96.4/81



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: 1713.156+/-0.283 χ^2/NDF:129290.6/22

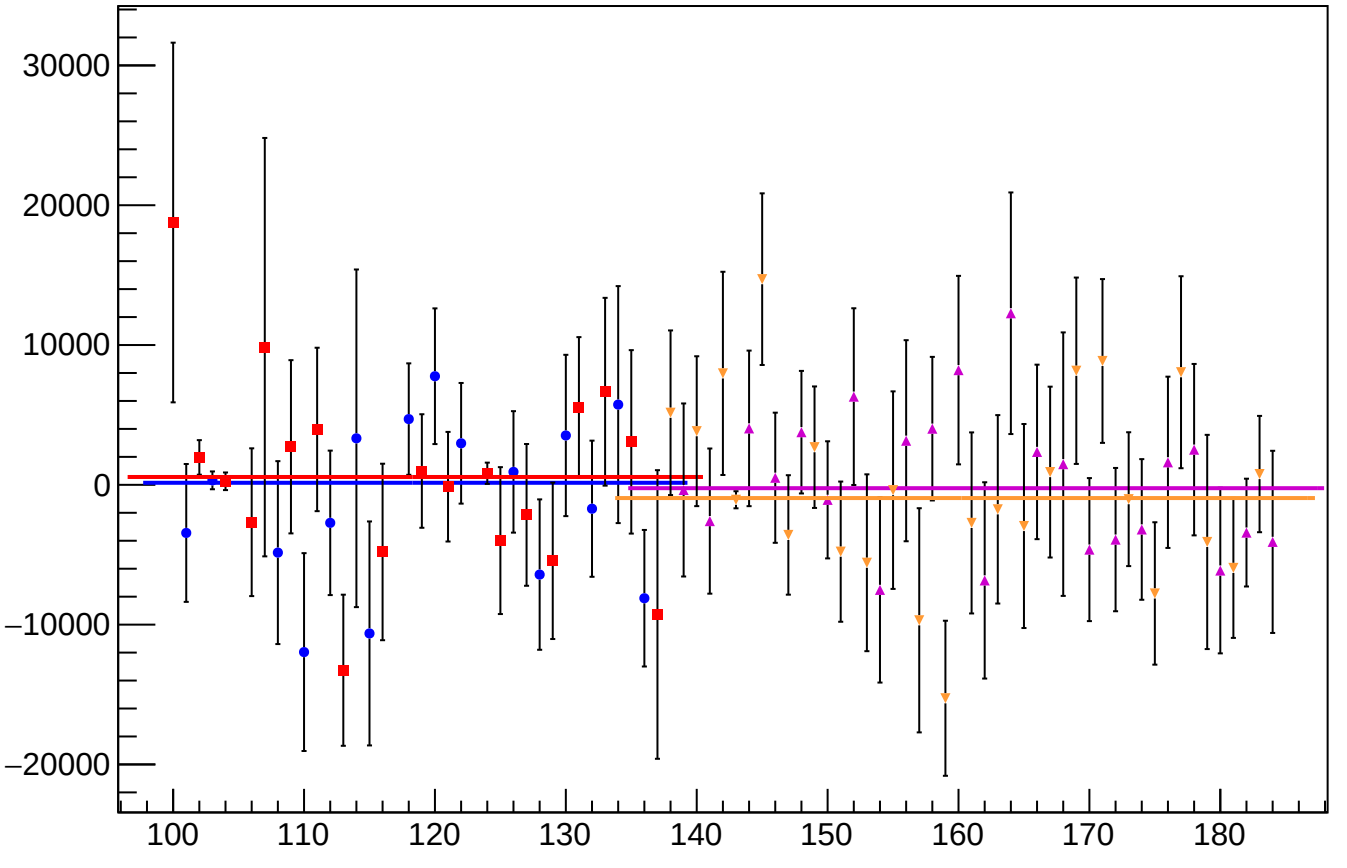
Left: 1721.431+/-0.200 χ^2/NDF: 576828.9/46

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1703.136+/-0.239 χ^2/NDF:275091.9/38

Out: 1726.675+/-0.239 χ^2/NDF:831151.5/42

All: 1714.904+/-0.169 χ^2/NDF: 1111098.2/81



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: -239.478+/-1165.045 χ^2/NDF:13.5/22

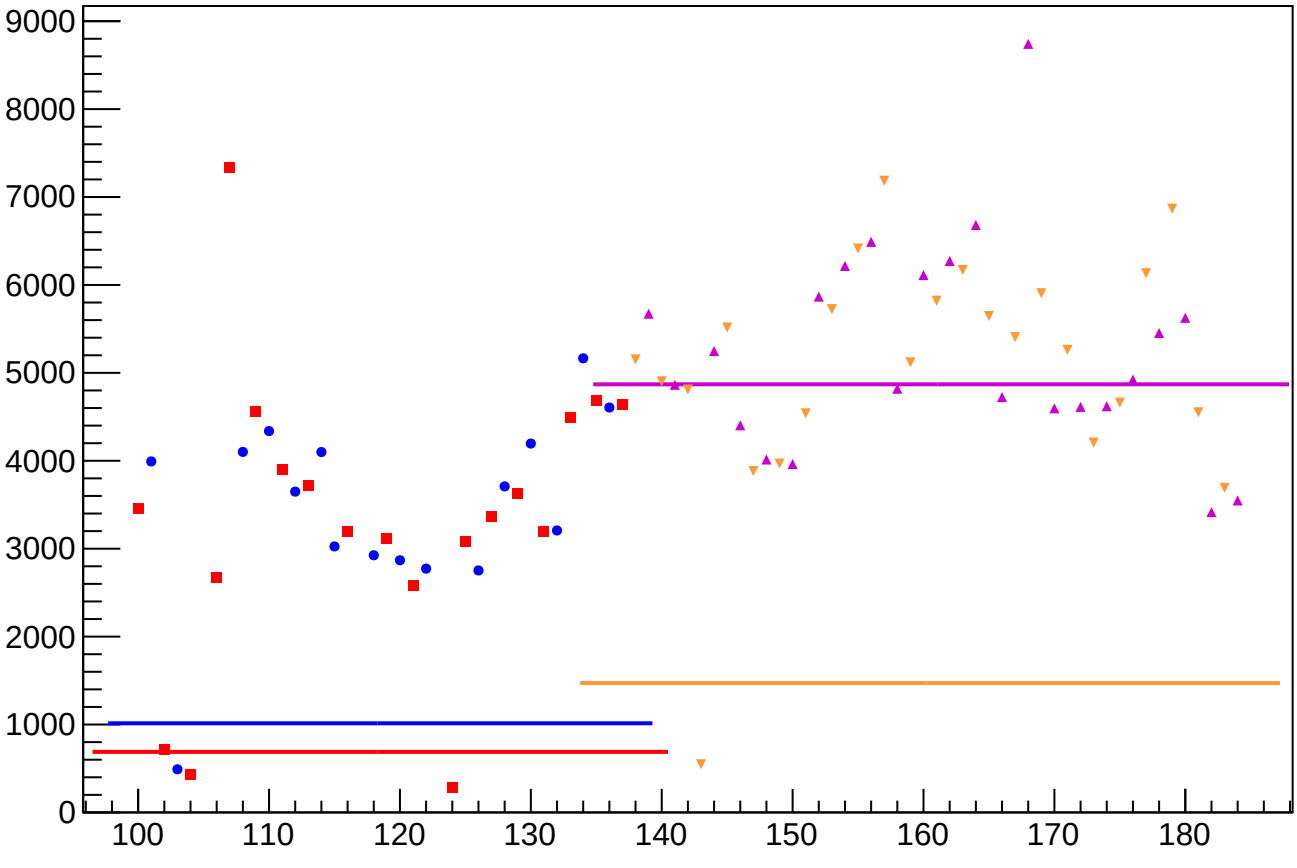
Left: -820.191+/-491.956 χ^2/NDF: 43.6/46

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 70.014+/-518.755 χ^2/NDF:29.4/38

Out: -21.021+/-337.332 χ^2/NDF:51.7/42

All: 6.034+/-282.799 χ^2/NDF: 81.2/81



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: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

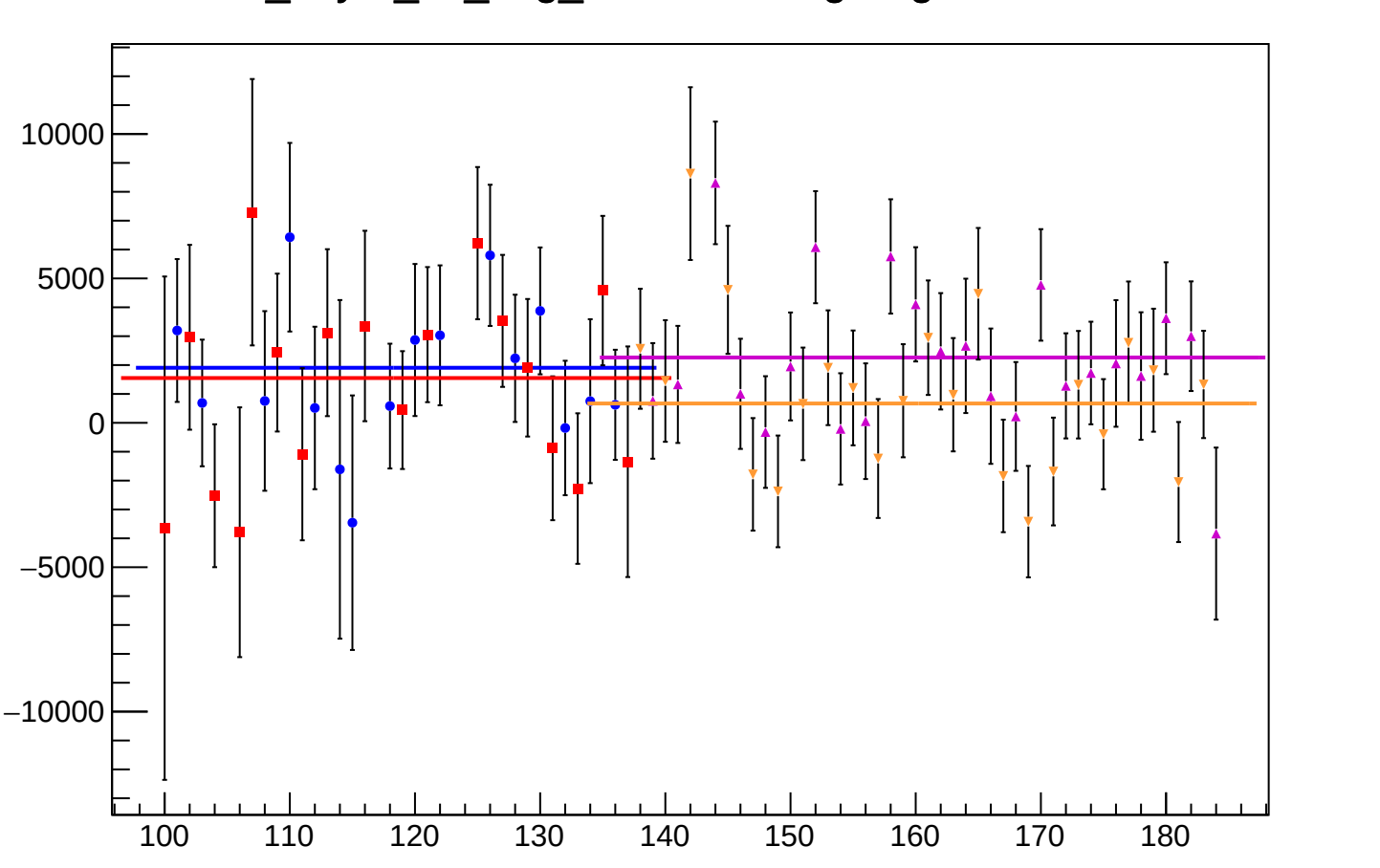
Left: 2077.983+/-0.348 χ^2/NDF: 38487255.0/46

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1778.513+/-0.367 χ^2/NDF:27258799.1/38

Out: 991.613+/-0.239 χ^2/NDF:34503092.1/42

All: 1225.470+/-0.200 χ^2/NDF: 64996221.9/8



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: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1470.349+/-297.289 χ^2/NDF: 69.6/45

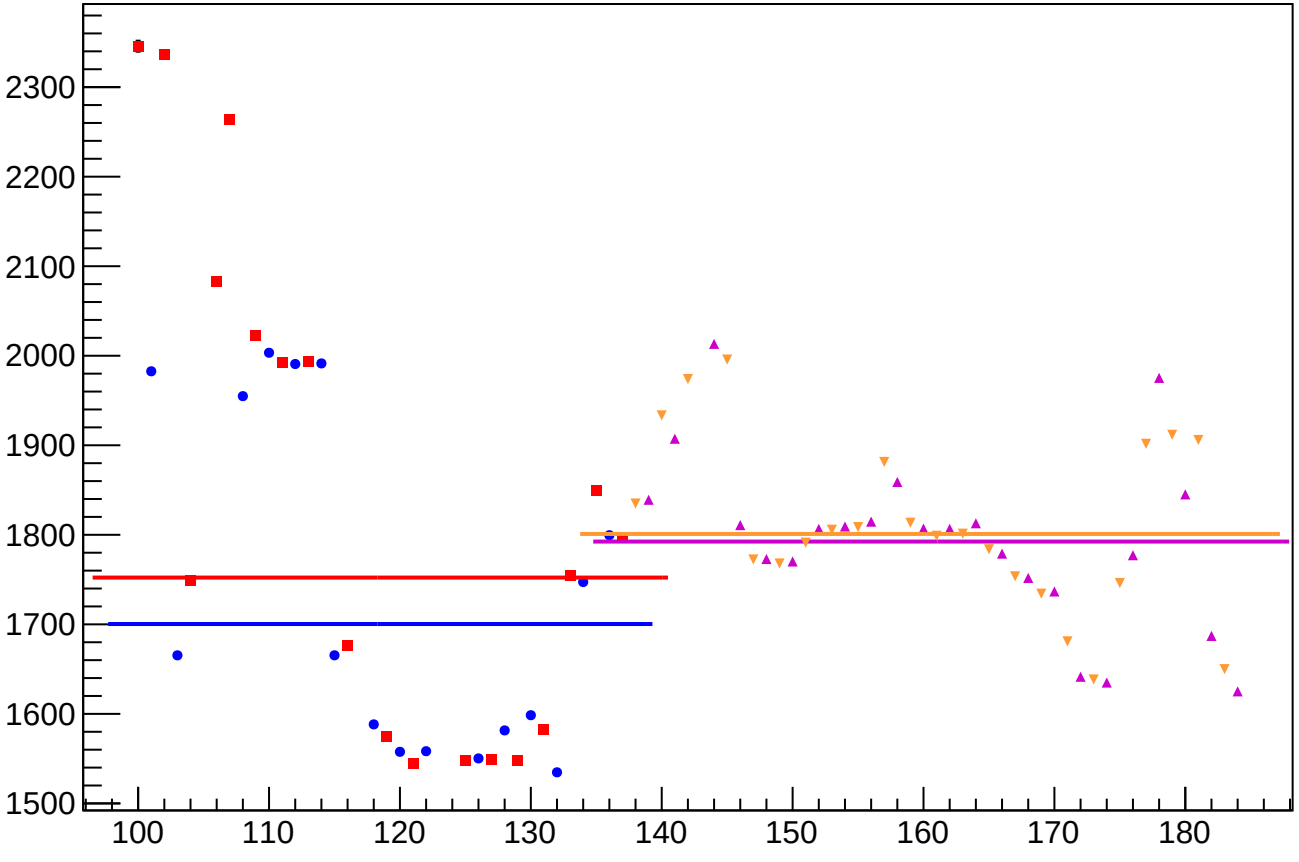
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2154.191+/-350.069 χ^2/NDF:40.9/38

Out: 924.383+/-355.517 χ^2/NDF:50.7/40

All: 1548.784+/-249.440 χ^2/NDF: 97.7/79

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: 1792.450+/-0.296 χ^2/NDF:92875.2/22

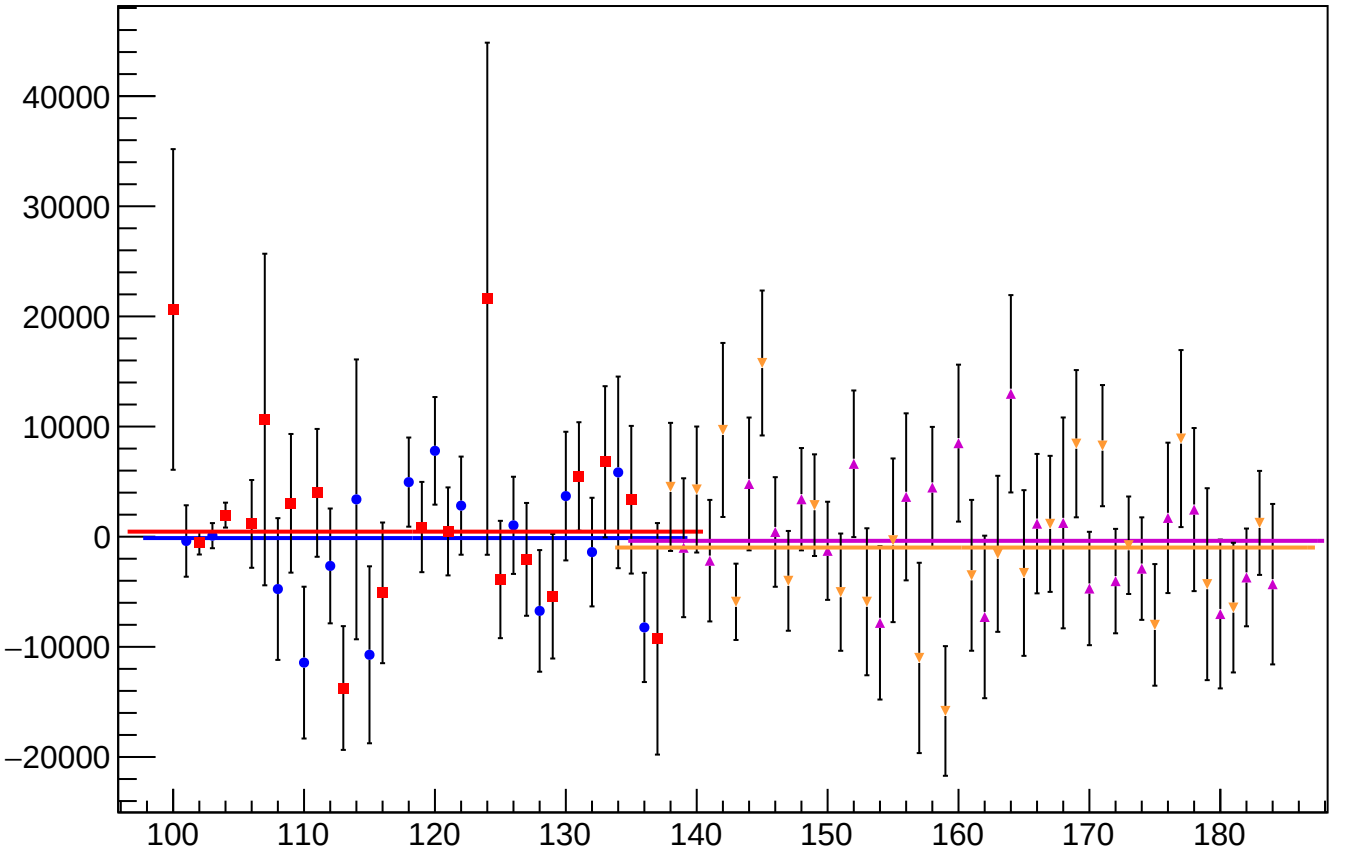
Left: 1796.681+/-0.210 χ^2/NDF: 185189.8/45

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1764.587+/-0.248 χ^2/NDF:257501.7/38

Out: 1786.825+/-0.251 χ^2/NDF:347605.4/40

All: 1775.542+/-0.176 χ^2/NDF: 609082.7/79



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -983.891+/-1175.876 χ^2/NDF:31.6/23

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

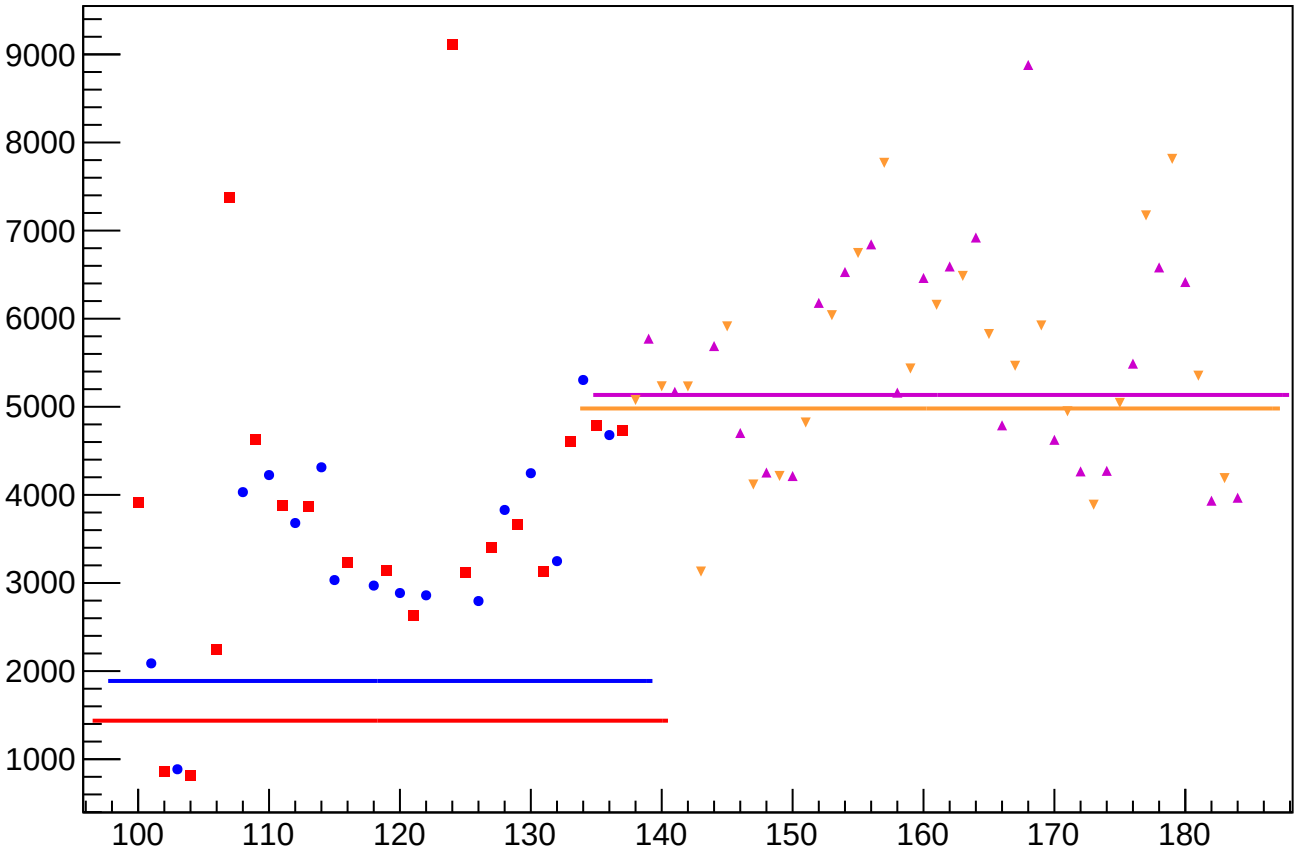
Left: -692.781+/-849.530 χ^2/NDF: 45.0/46

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: -208.471+/-708.749 χ^2/NDF:28.4/38

Out: 98.389+/-588.110 χ^2/NDF:51.2/42

All: -26.740+/-452.587 χ^2/NDF: 79.7/81



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: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

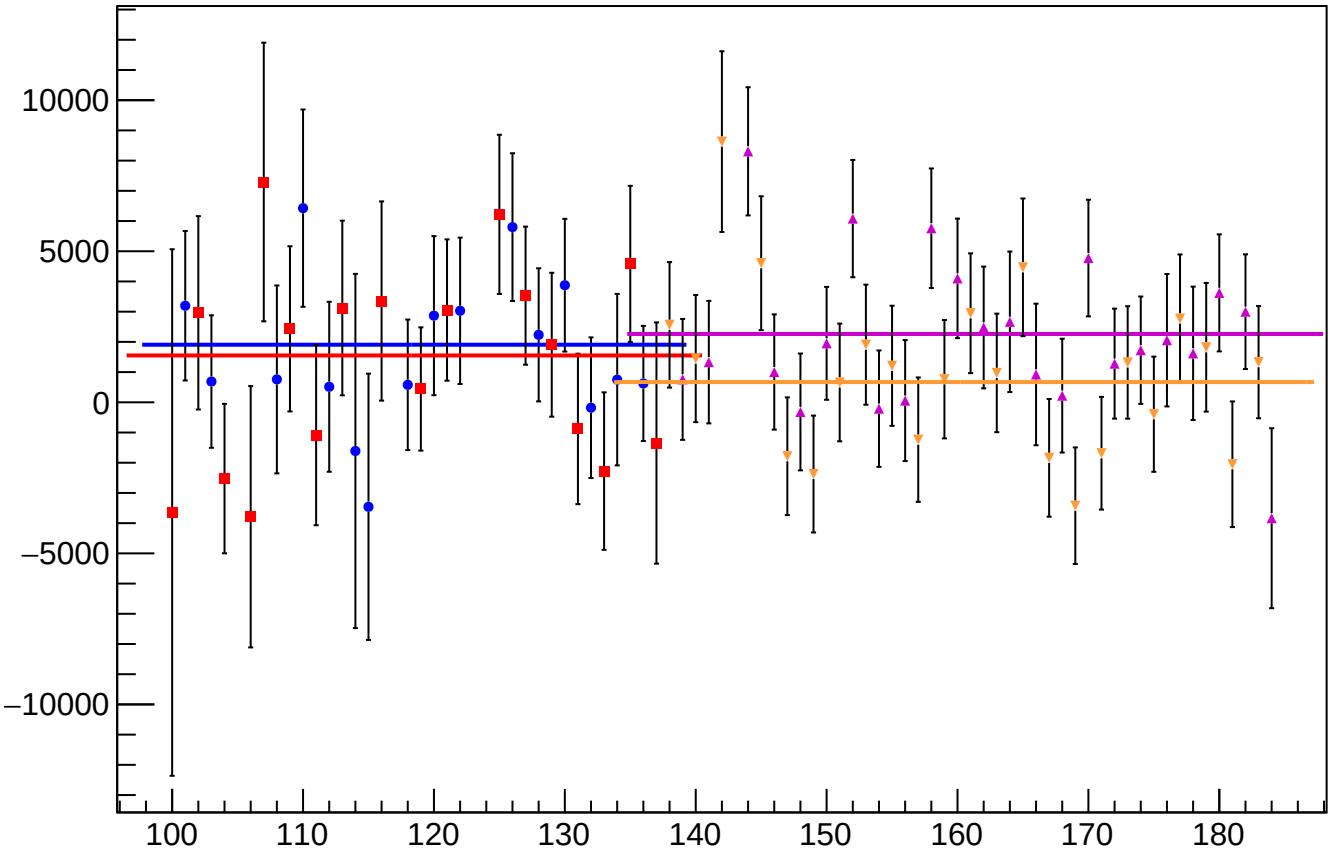
Left: 5054.255+/-0.601 χ^2/NDF: 3406803.8/46

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2968.193+/-0.501 χ^2/NDF:15229334.1/38

Out: 2323.552+/-0.416 χ^2/NDF:21488276.6/42

All: 2586.420+/-0.320 χ^2/NDF: 37697480.7/8



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: 2261.767+/-419.177 χ^2/NDF:30.4/22

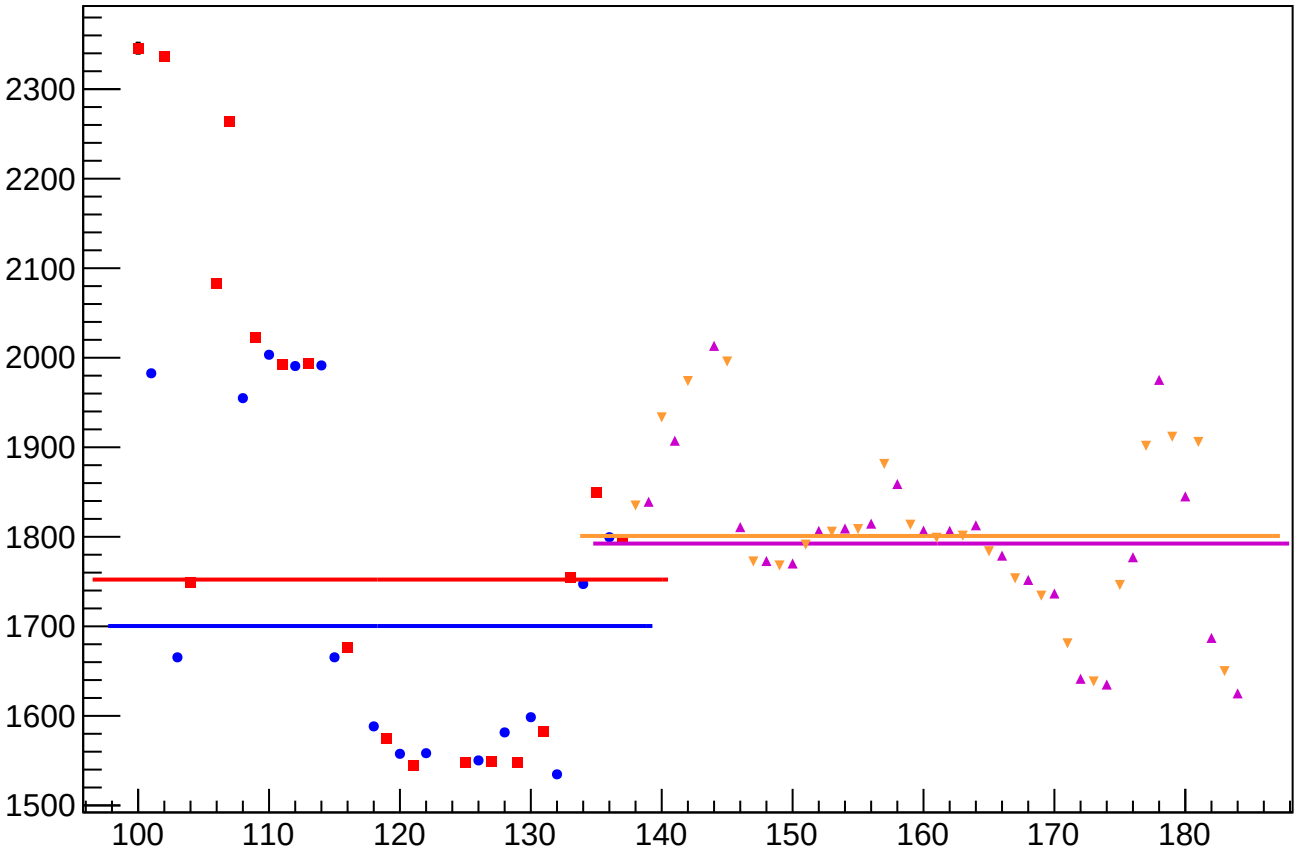
Left: 1470.347+/-297.289 χ^2/NDF: 69.6/45

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2154.190+/-350.069 χ^2/NDF:40.9/38

Out: 924.380+/-355.517 χ^2/NDF:50.7/40

All: 1548.781+/-249.440 χ^2/NDF: 97.7/79



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: 1792.451+/-0.296 χ^2/NDF:92878.6/22

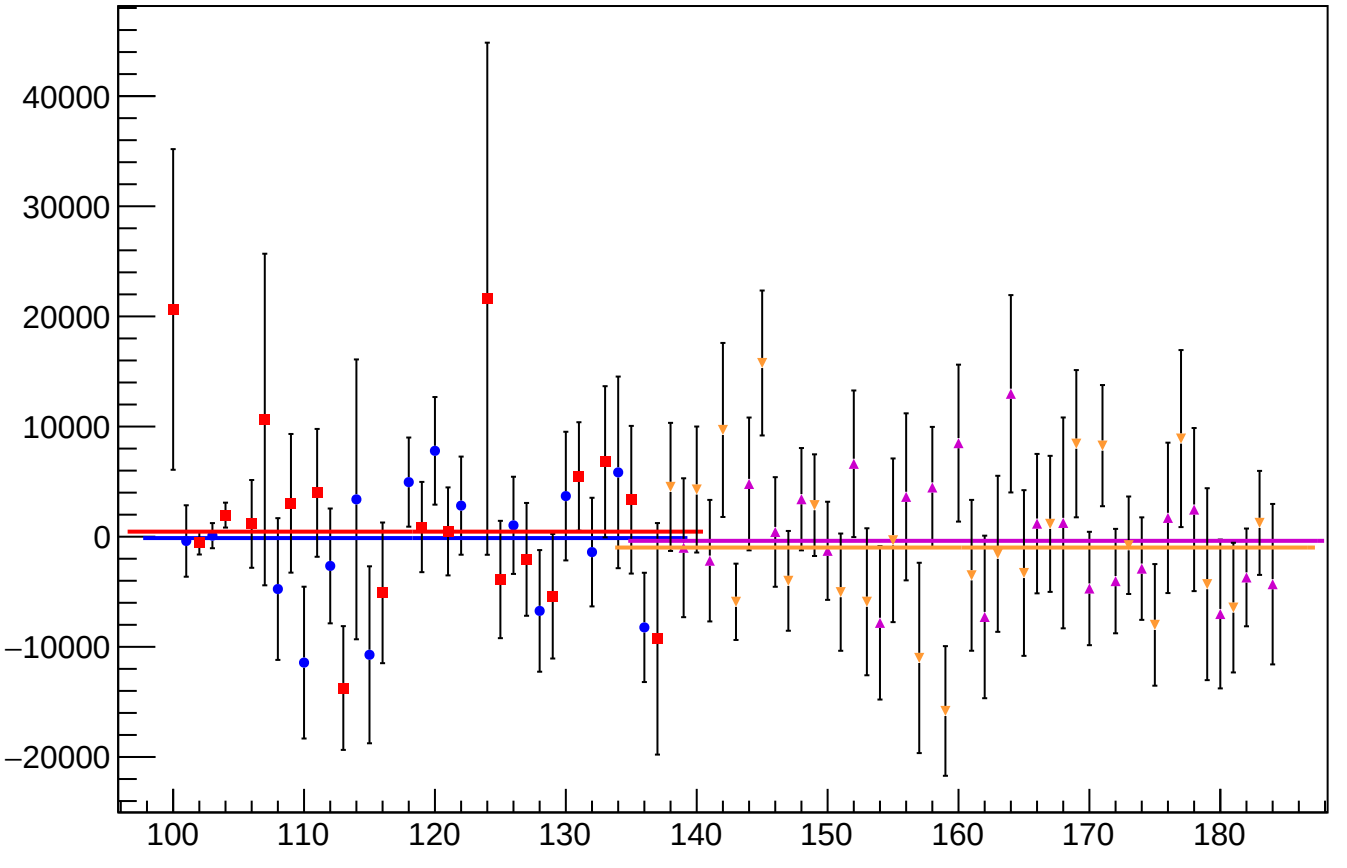
Left: 1796.683+/-0.210 χ^2/NDF: 185196.8/45

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1764.588+/-0.248 χ^2/NDF:257506.2/38

Out: 1786.826+/-0.251 χ^2/NDF:347609.0/40

All: 1775.542+/-0.176 χ^2/NDF: 609090.9/79



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -983.897+/-1175.877 χ^2/NDF:31.6/23

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

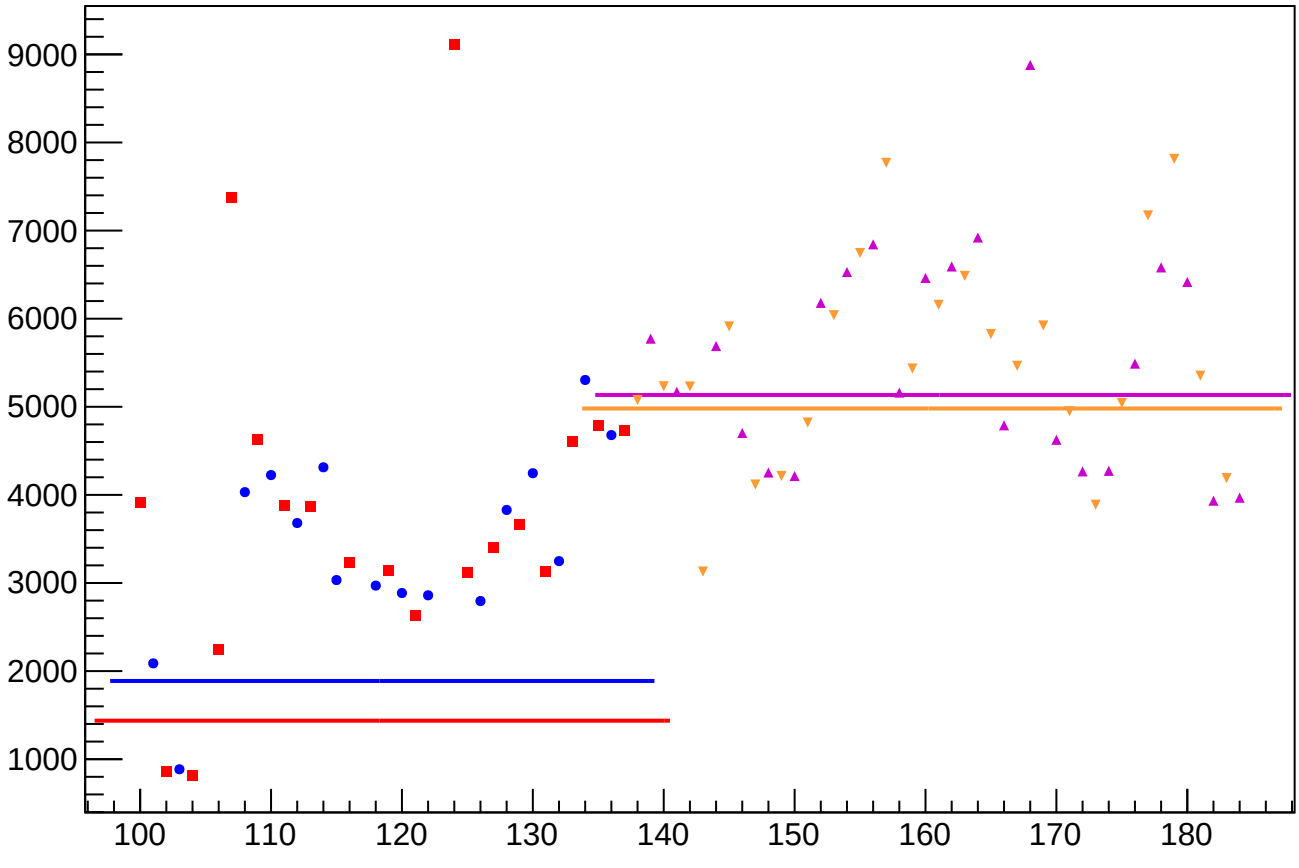
Left: -692.784+/-849.532 χ^2/NDF: 45.0/46

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: -208.467+/-708.746 χ^2/NDF:28.4/38

Out: 98.392+/-588.107 χ^2/NDF:51.2/42

All: -26.737+/-452.585 χ^2/NDF: 79.7/81



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: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

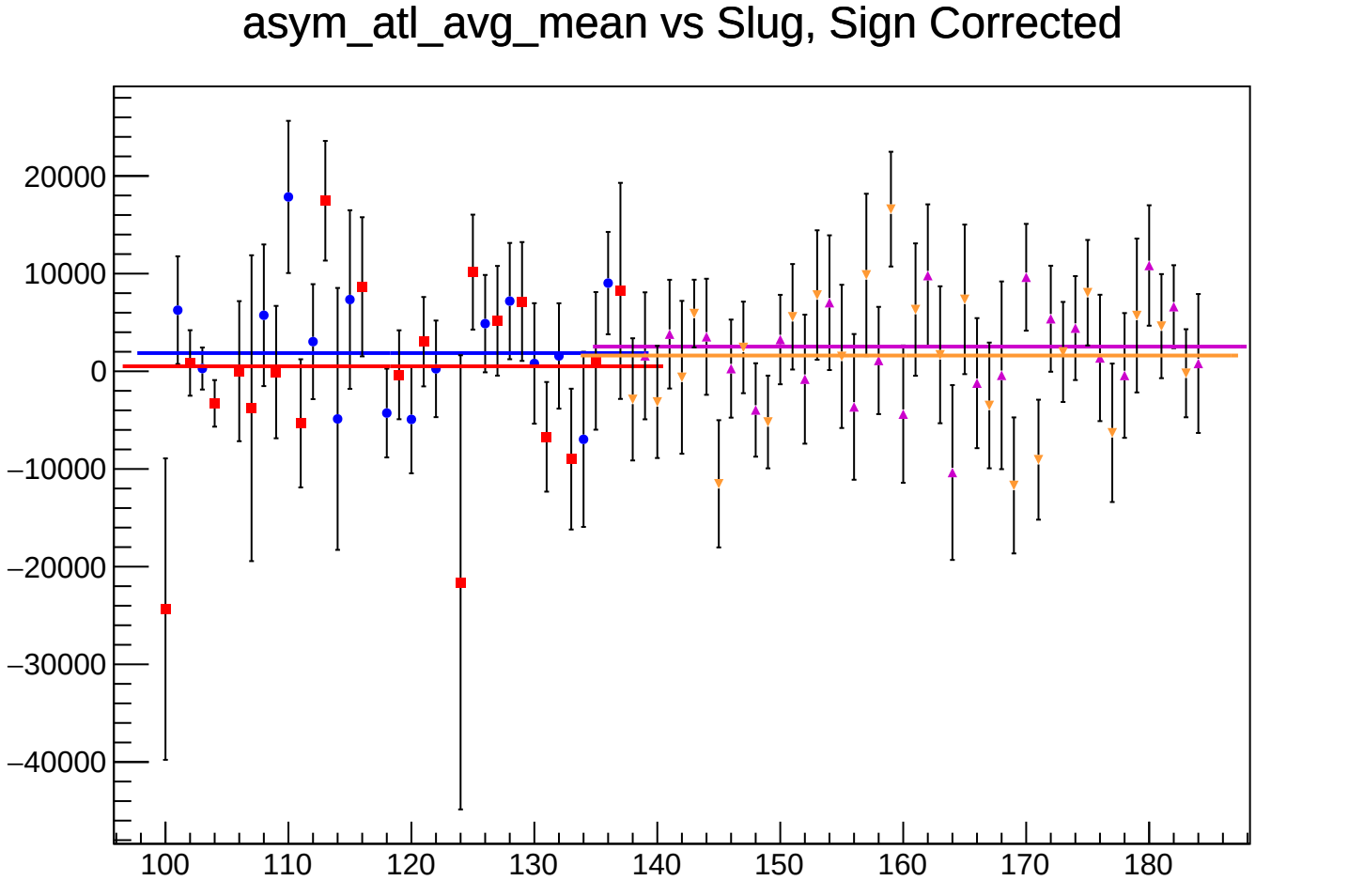
Left: 5054.263+/-0.601 χ^2/NDF: 3406812.3/46

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2968.173+/-0.501 χ^2/NDF:15229535.5/38

Out: 2323.532+/-0.416 χ^2/NDF:21488496.7/42

All: 2586.399+/-0.320 χ^2/NDF: 37697911.7/8



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: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2050.995+/-857.577 χ^2/NDF: 43.1/46

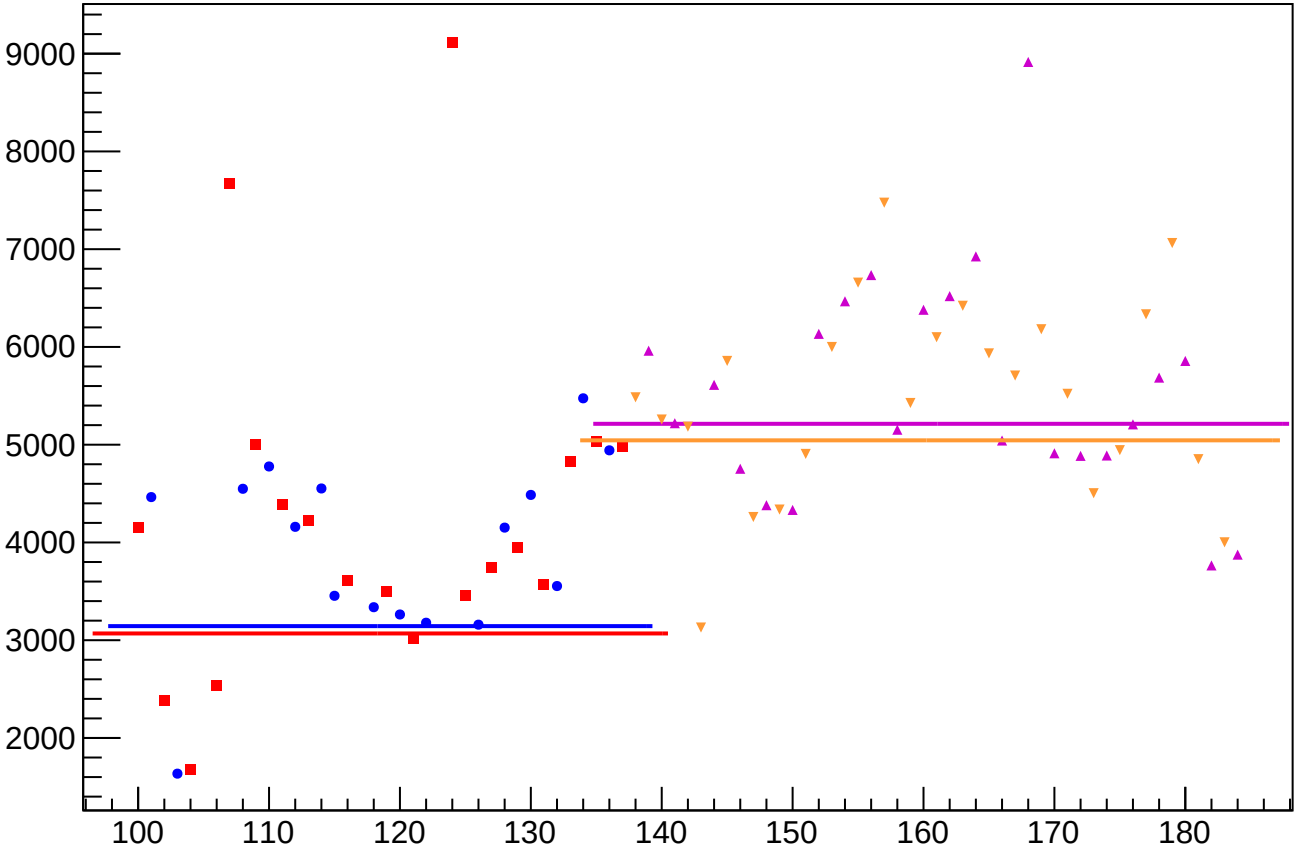
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 2202.604+/-884.255 χ^2/NDF:27.1/38

Out: 1089.204+/-857.403 χ^2/NDF:54.7/42

All: 1628.743+/-615.550 χ^2/NDF: 82.7/81

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: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

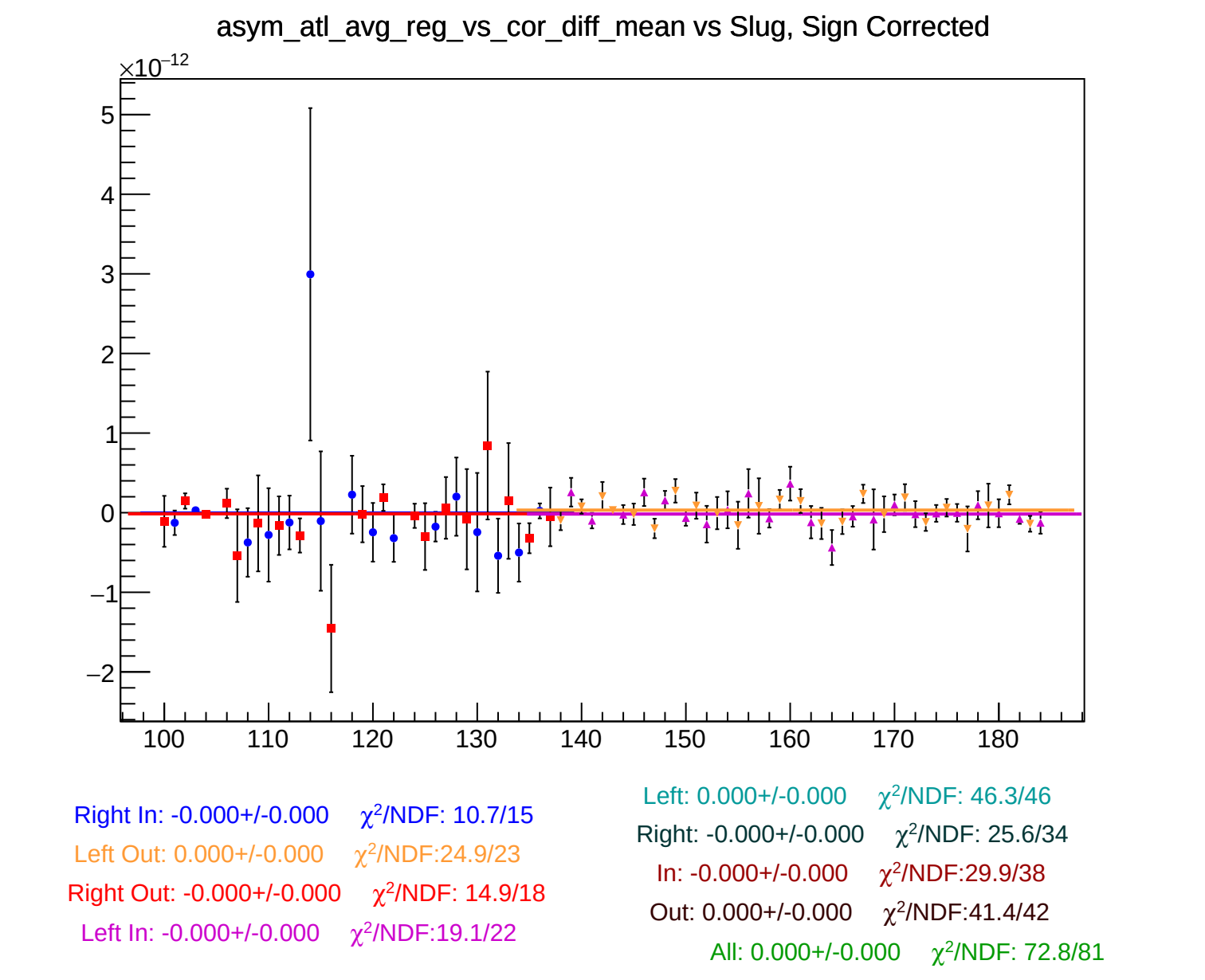
Left: 5125.167+/-0.606 χ^2/NDF: 2887245.2/46

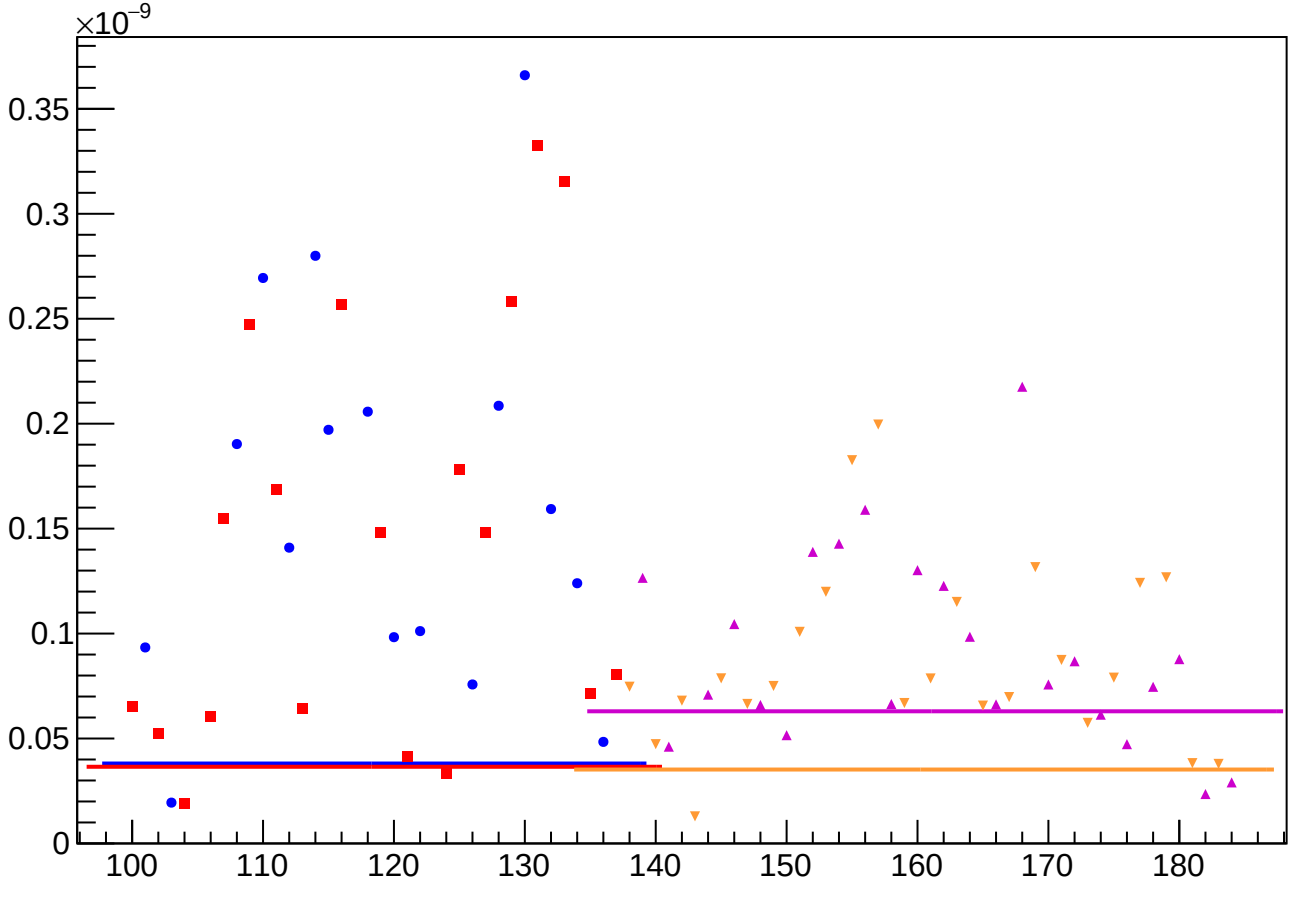
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 4193.066+/-0.625 χ^2/NDF:5844501.9/38

Out: 4086.895+/-0.602 χ^2/NDF:6218468.7/42

All: 4137.943+/-0.434 χ^2/NDF: 12077940.2/8


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:24.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 46.3/46
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: -0.000+/-0.000 χ²/NDF:29.9/38
Out: 0.000+/-0.000 χ²/NDF:41.4/42
All: 0.000+/-0.000 χ²/NDF: 72.8/81



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:2934305.1/22

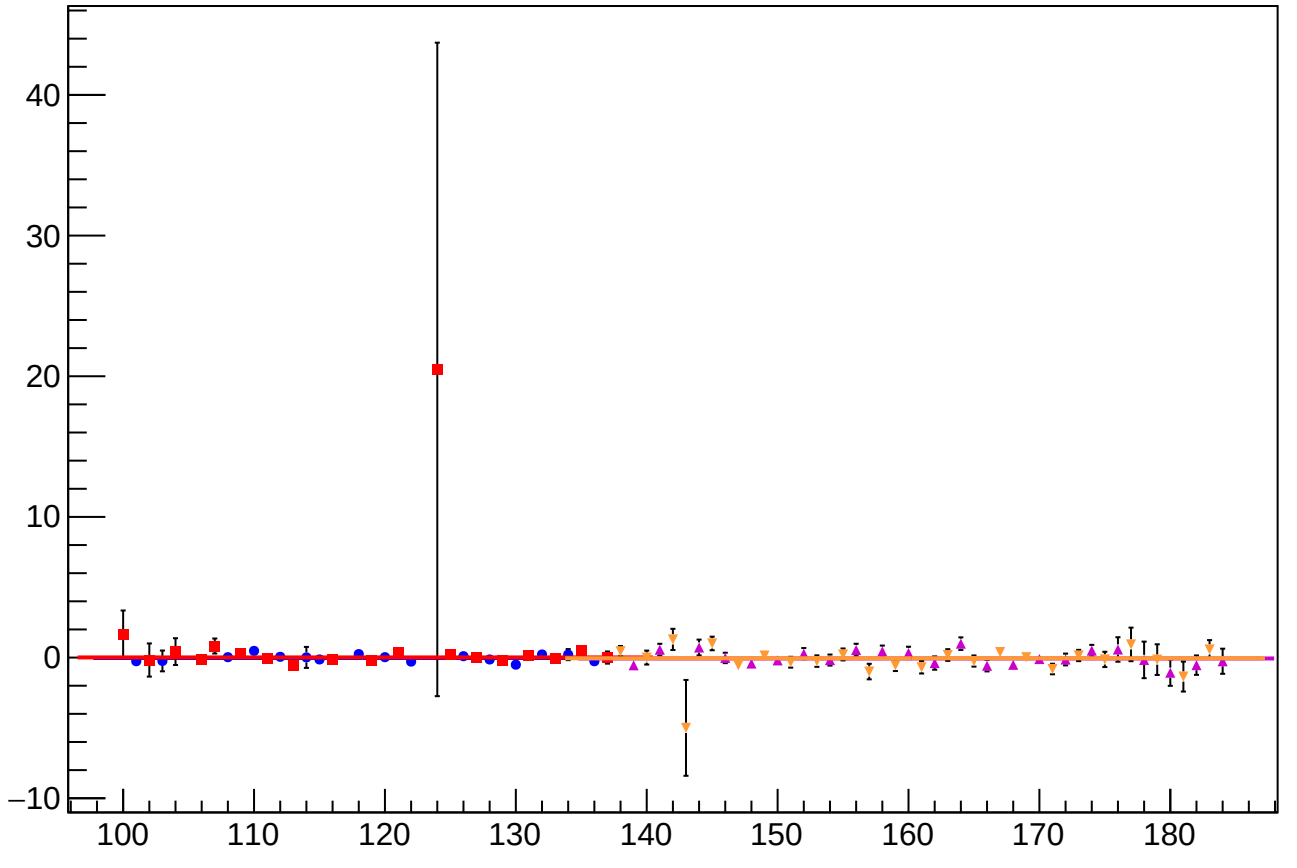
Left: 0.000+/-0.000 χ^2/NDF: 10836381.7/46

Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:6468024.6/38

Out: 0.000+/-0.000 χ^2/NDF:9188908.0/42

All: 0.000+/-0.000 χ^2/NDF: 16515381.2/81



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: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.056+/-0.059 χ^2/NDF: 60.6/46

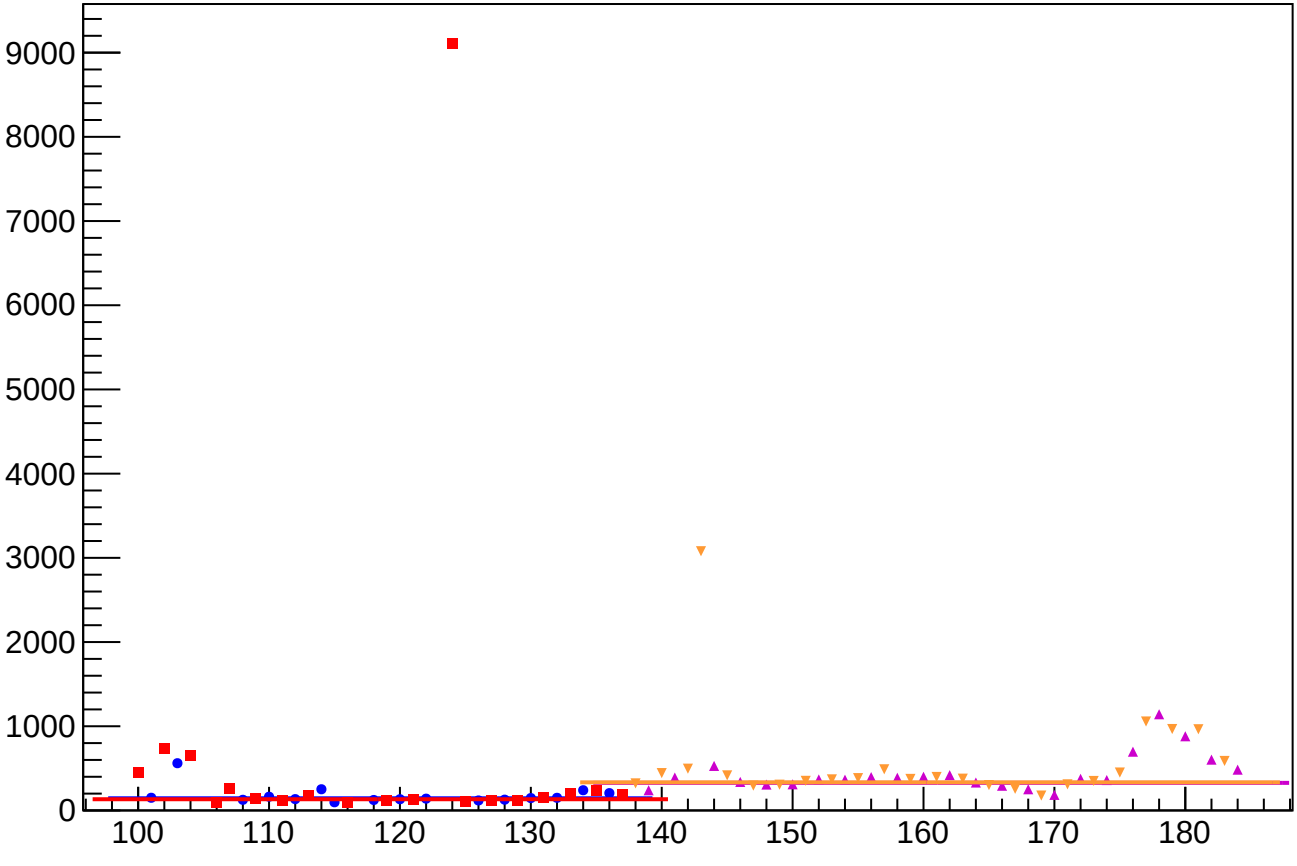
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.040+/-0.047 χ^2/NDF:45.4/38

Out: -0.008+/-0.047 χ^2/NDF:54.8/42

All: -0.024+/-0.033 χ^2/NDF: 100.4/81

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: 327.572+/-0.059 χ^2/NDF:4153081.9/22

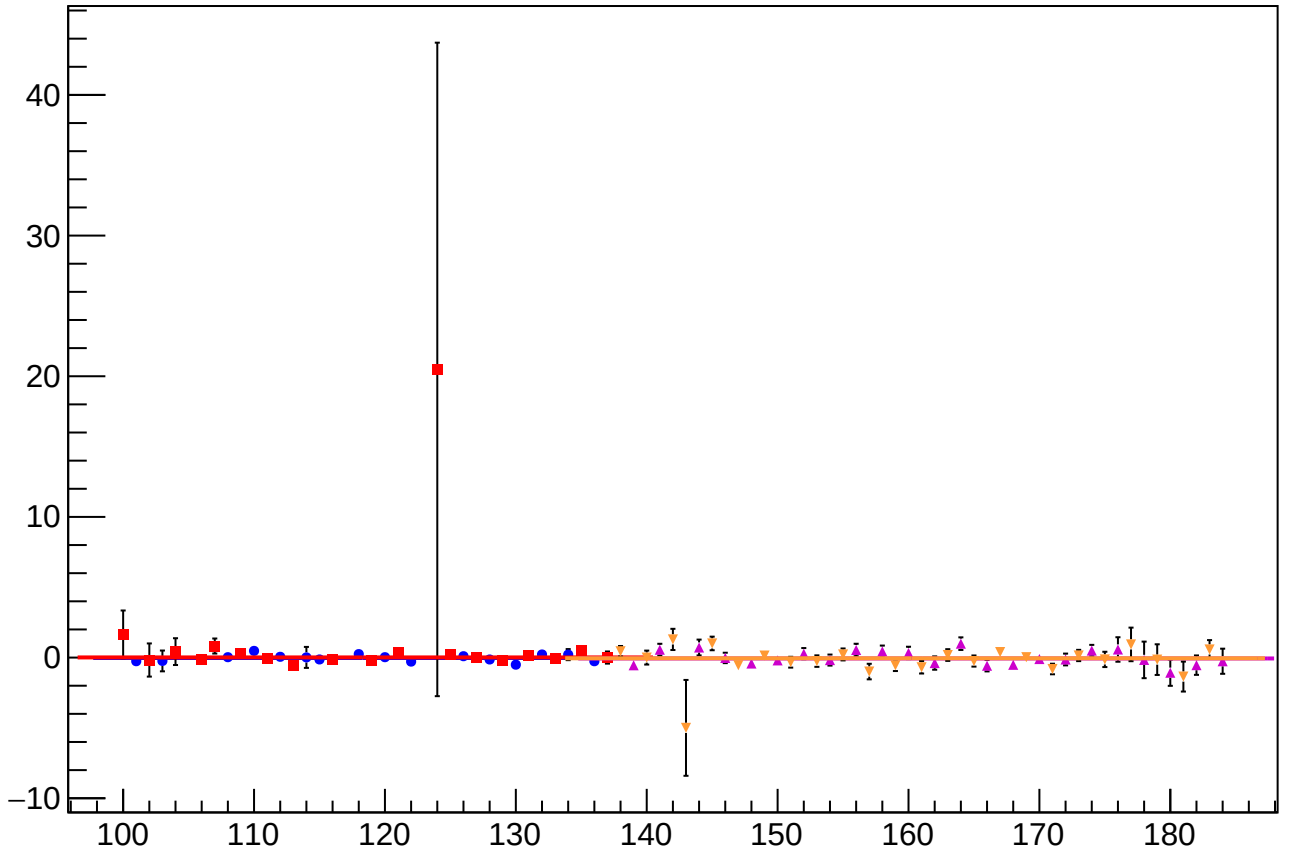
Left: 330.632+/-0.042 χ^2/NDF: 9933114.2/46

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 204.438+/-0.034 χ^2/NDF:11875165.2/38

Out: 194.870+/-0.033 χ^2/NDF:15735690.4/42

All: 199.618+/-0.024 χ^2/NDF: 27651918.5/81



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: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.056+/-0.059 χ^2/NDF: 60.6/46

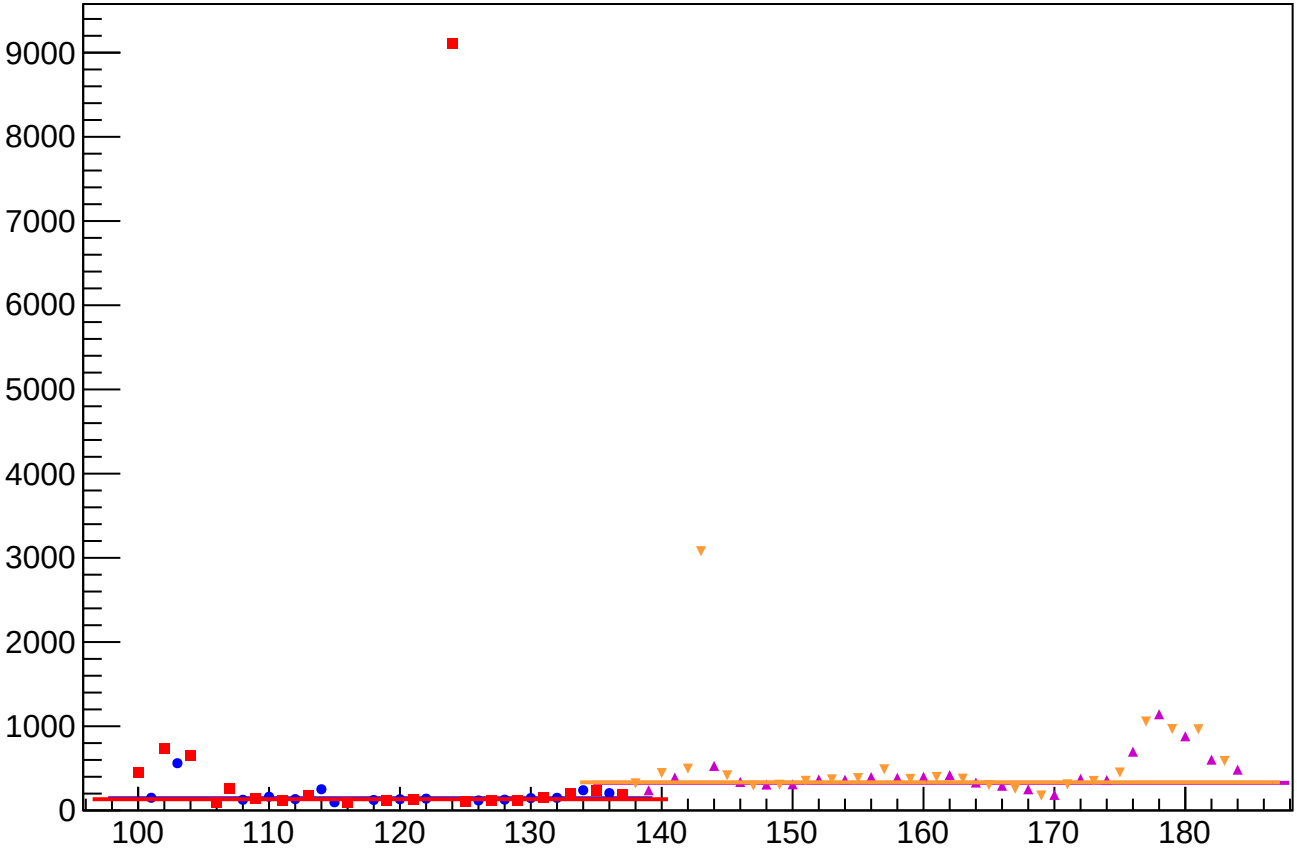
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.040+/-0.047 χ^2/NDF:45.4/38

Out: -0.008+/-0.047 χ^2/NDF:54.8/42

All: -0.024+/-0.033 χ^2/NDF: 100.4/81

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: 327.572+/-0.059 χ^2/NDF:4153081.9/22

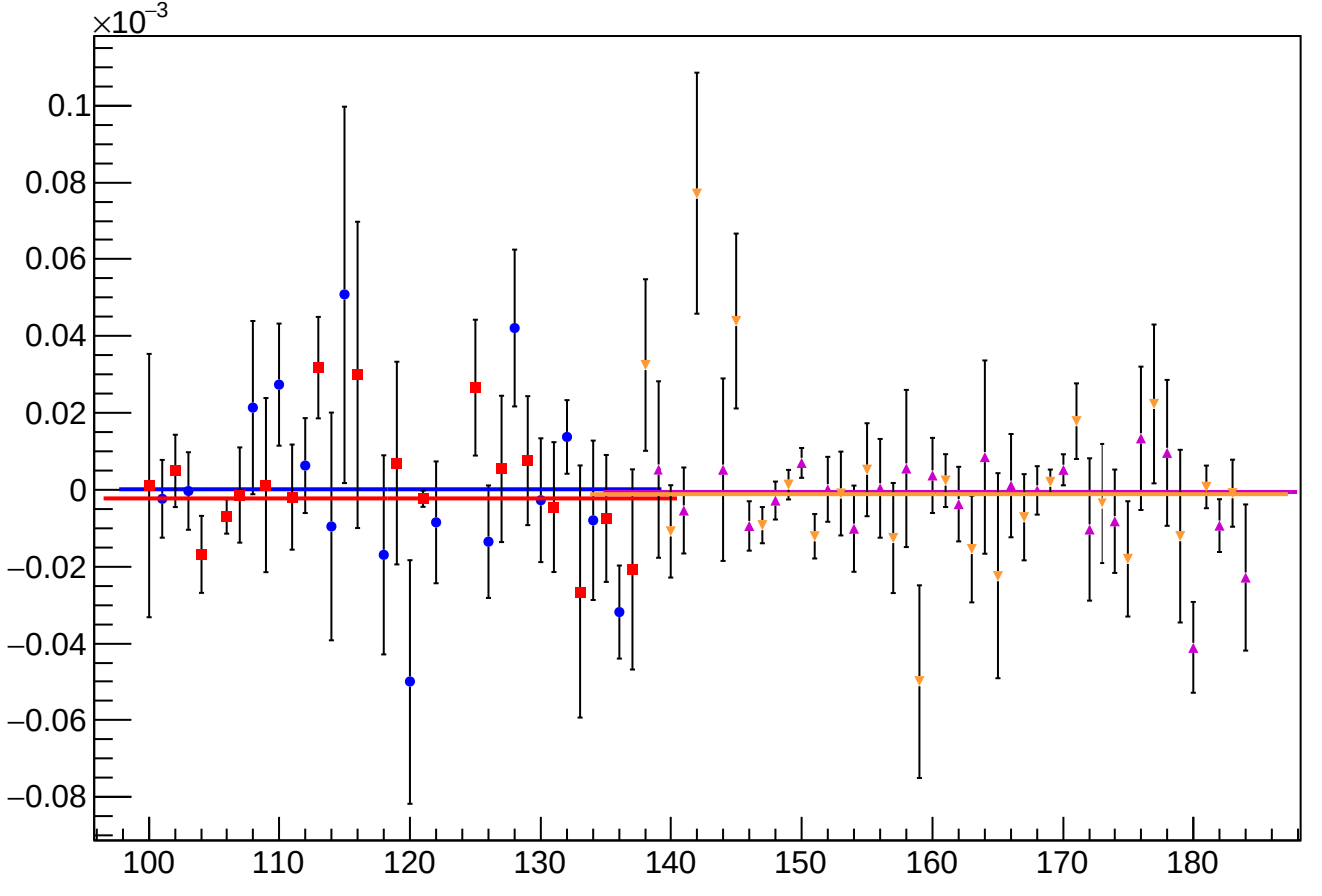
Left: 330.632+/-0.042 χ^2/NDF: 9933114.2/46

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 204.438+/-0.034 χ^2/NDF:11875165.2/38

Out: 194.870+/-0.033 χ^2/NDF:15735690.4/42

All: 199.618+/-0.024 χ^2/NDF: 27651918.5/81



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:25.5/22

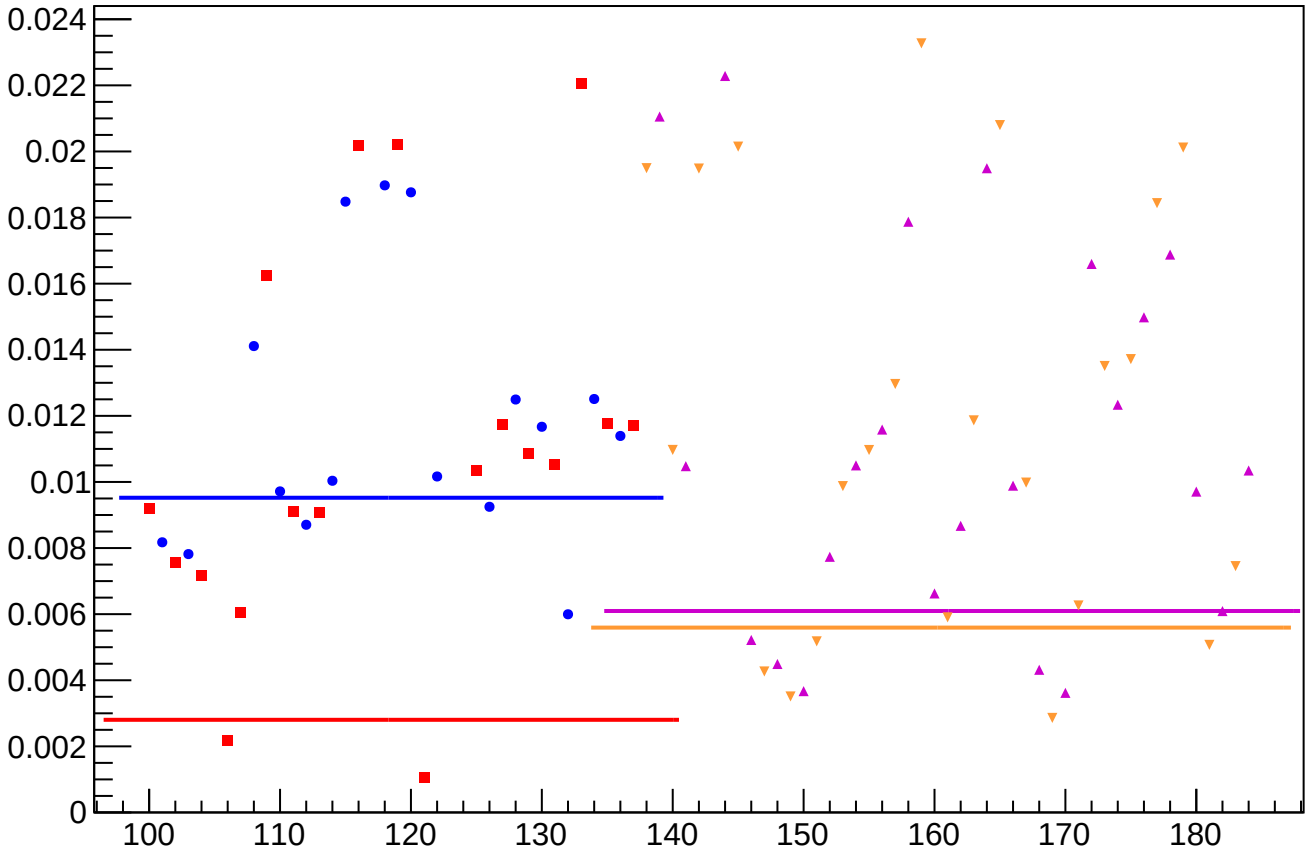
Left: -0.000+/-0.000 χ^2/NDF: 60.1/45

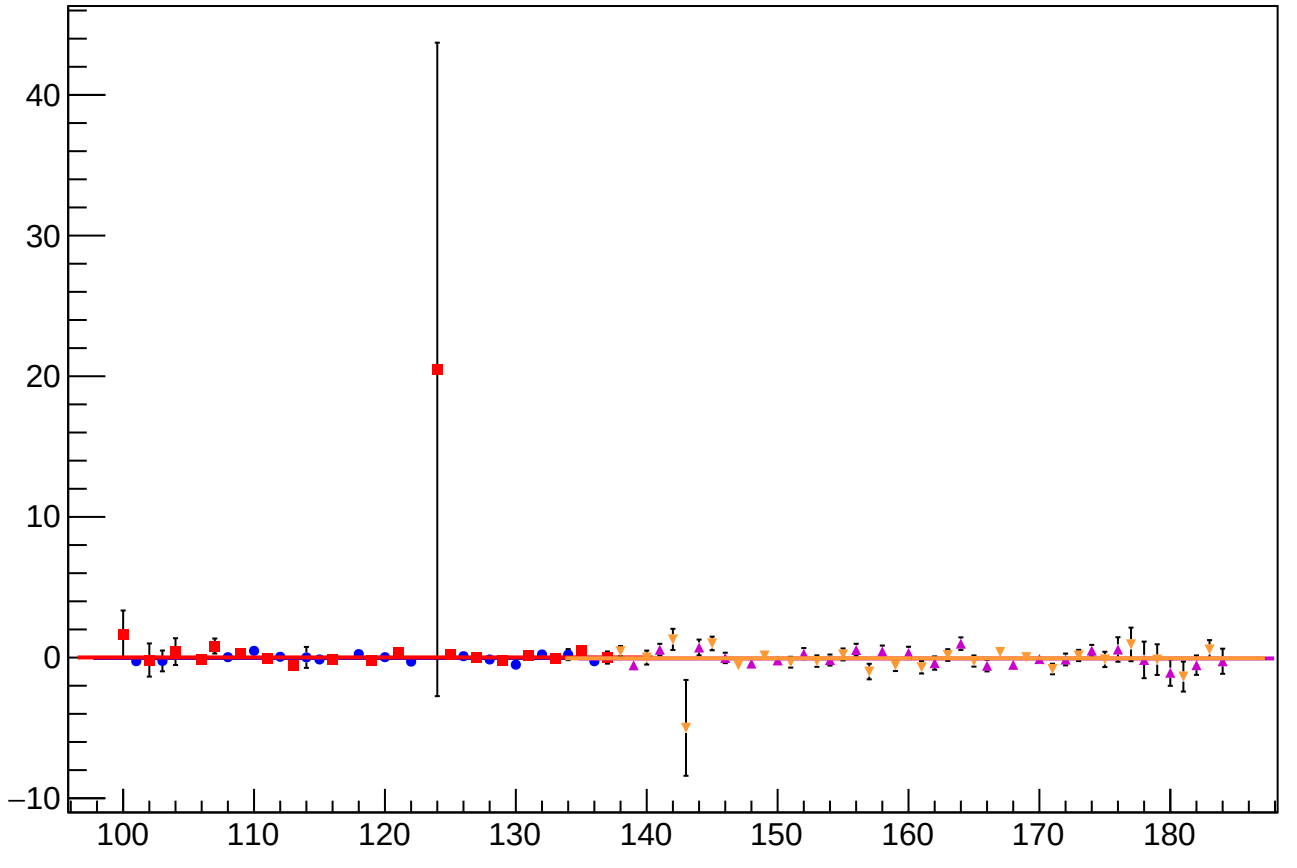
Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: -0.000+/-0.000 χ^2/NDF:48.3/38

Out: -0.000+/-0.000 χ^2/NDF:50.4/40

All: -0.000+/-0.000 χ^2/NDF: 99.1/79


asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
Right In: 0.010+/-0.000 χ²/NDF: 1132946.4/15
Left Out: 0.006+/-0.000 χ²/NDF:11057326.5/22
Right Out: 0.003+/-0.000 χ²/NDF: 8568874.3/17
Left In: 0.006+/-0.000 χ²/NDF:8798992.3/22
Left: 0.006+/-0.000 χ²/NDF: 19946115.1/45
Right: 0.004+/-0.000 χ²/NDF: 15020072.2/33
In: 0.007+/-0.000 χ²/NDF:11312639.7/38
Out: 0.004+/-0.000 χ²/NDF:22412317.9/40
All: 0.005+/-0.000 χ²/NDF: 36756953.0/79



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: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.056+/-0.059 χ^2/NDF: 60.6/46

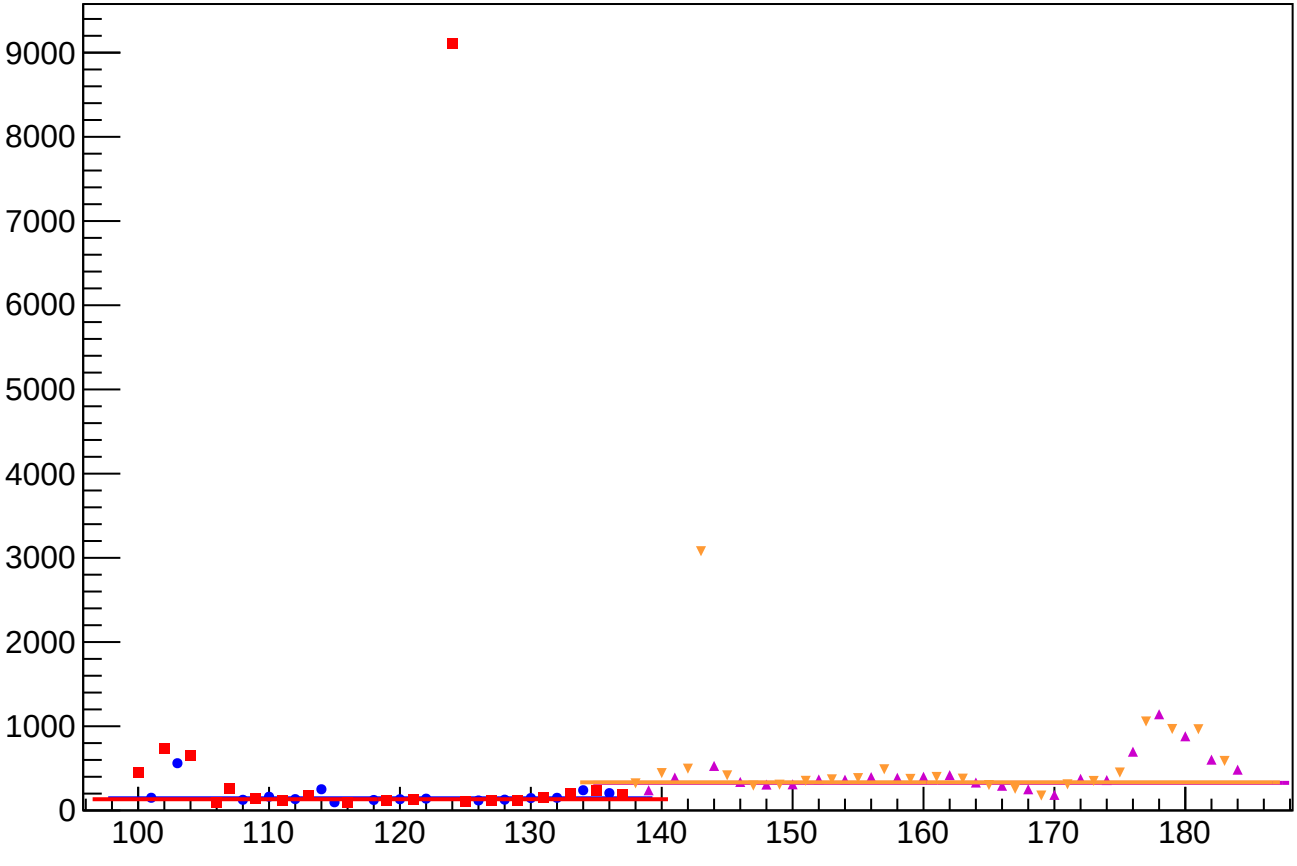
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.040+/-0.047 χ^2/NDF:45.4/38

Out: -0.008+/-0.047 χ^2/NDF:54.8/42

All: -0.024+/-0.033 χ^2/NDF: 100.4/81

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: 327.575+/-0.059 χ^2/NDF:4153087.6/22

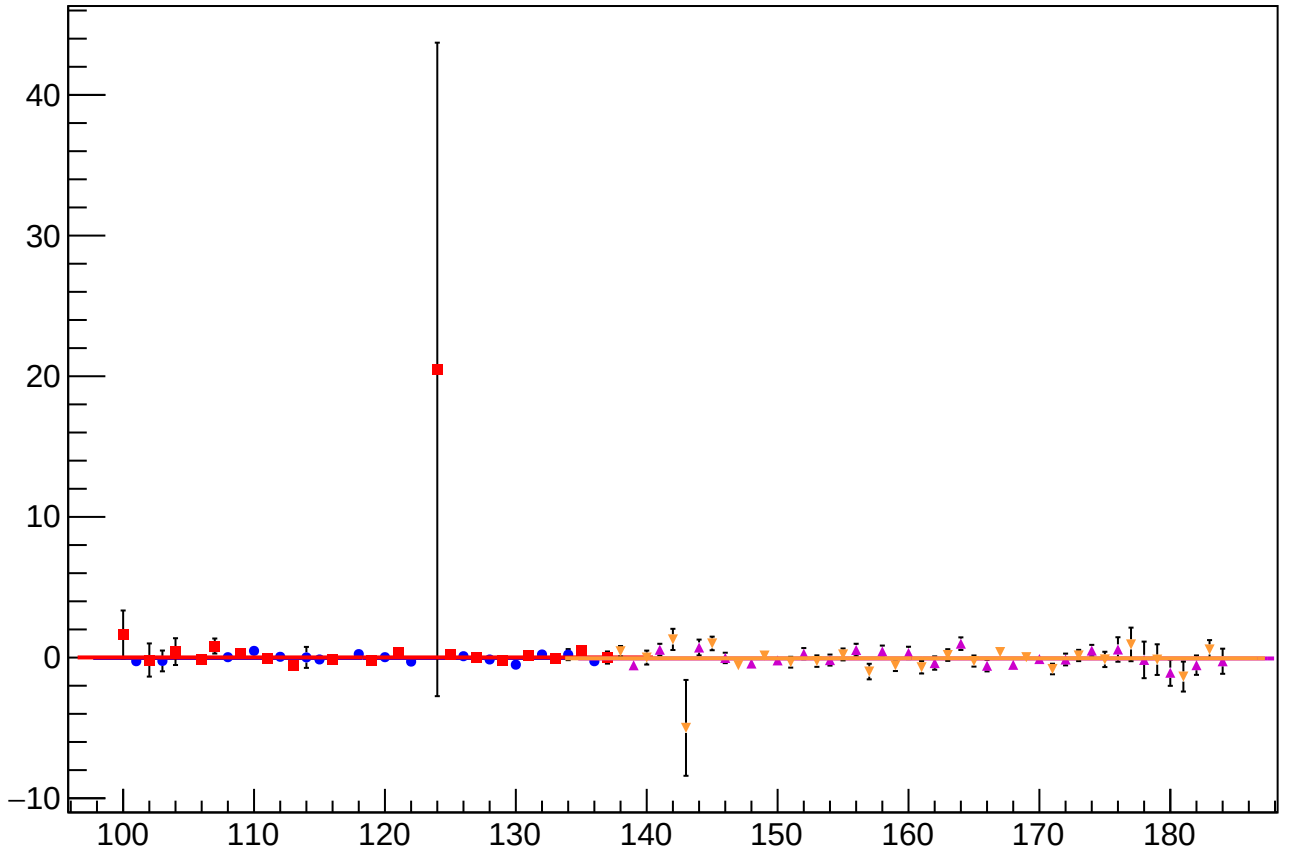
Left: 330.634+/-0.042 χ^2/NDF: 9933183.6/46

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 204.437+/-0.034 χ^2/NDF:11875466.1/38

Out: 194.869+/-0.033 χ^2/NDF:15735878.9/42

All: 199.617+/-0.024 χ^2/NDF: 27652403.5/81



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: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.056+/-0.059 χ^2/NDF: 60.6/46

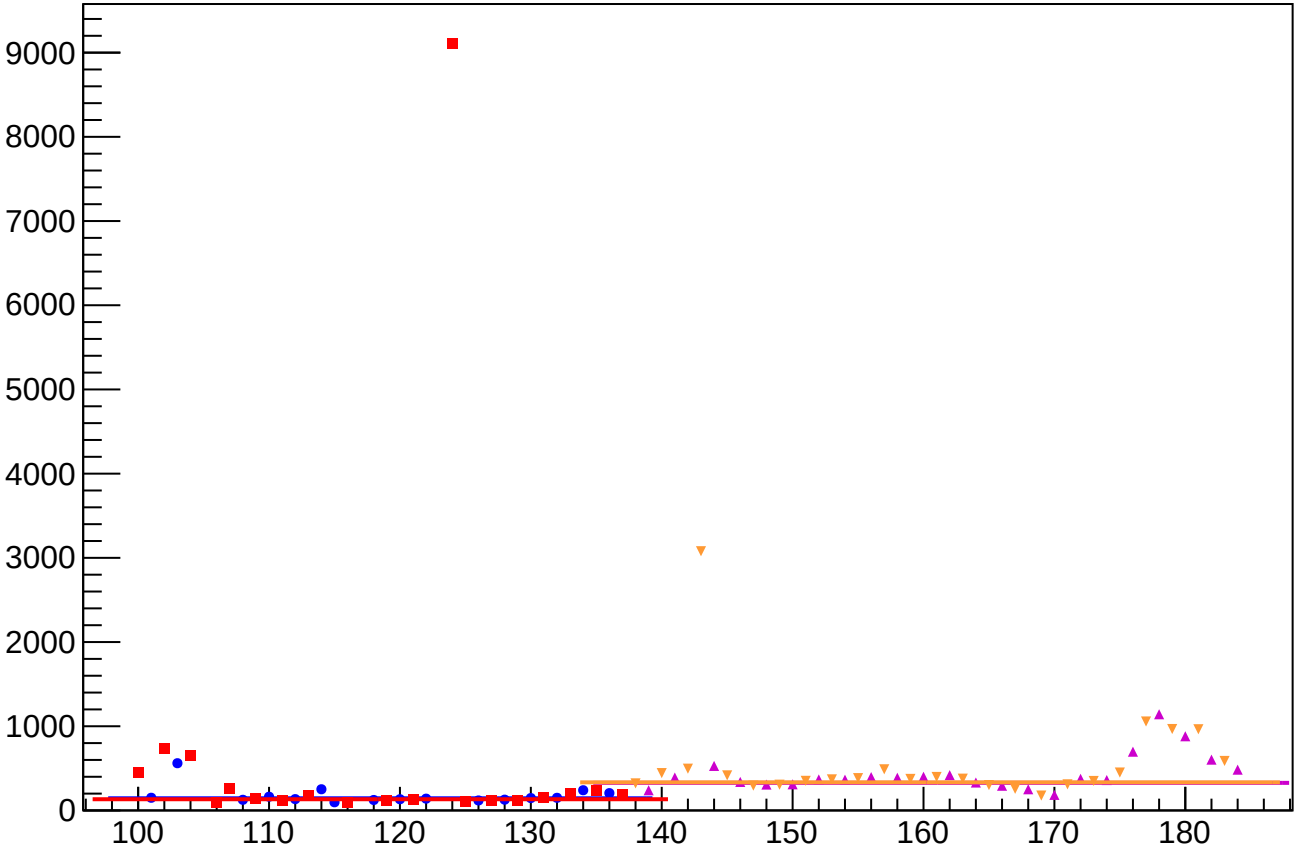
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.040+/-0.047 χ^2/NDF:45.4/38

Out: -0.008+/-0.047 χ^2/NDF:54.8/42

All: -0.024+/-0.033 χ^2/NDF: 100.4/81

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: 327.575+/-0.059 χ^2/NDF:4153087.6/22

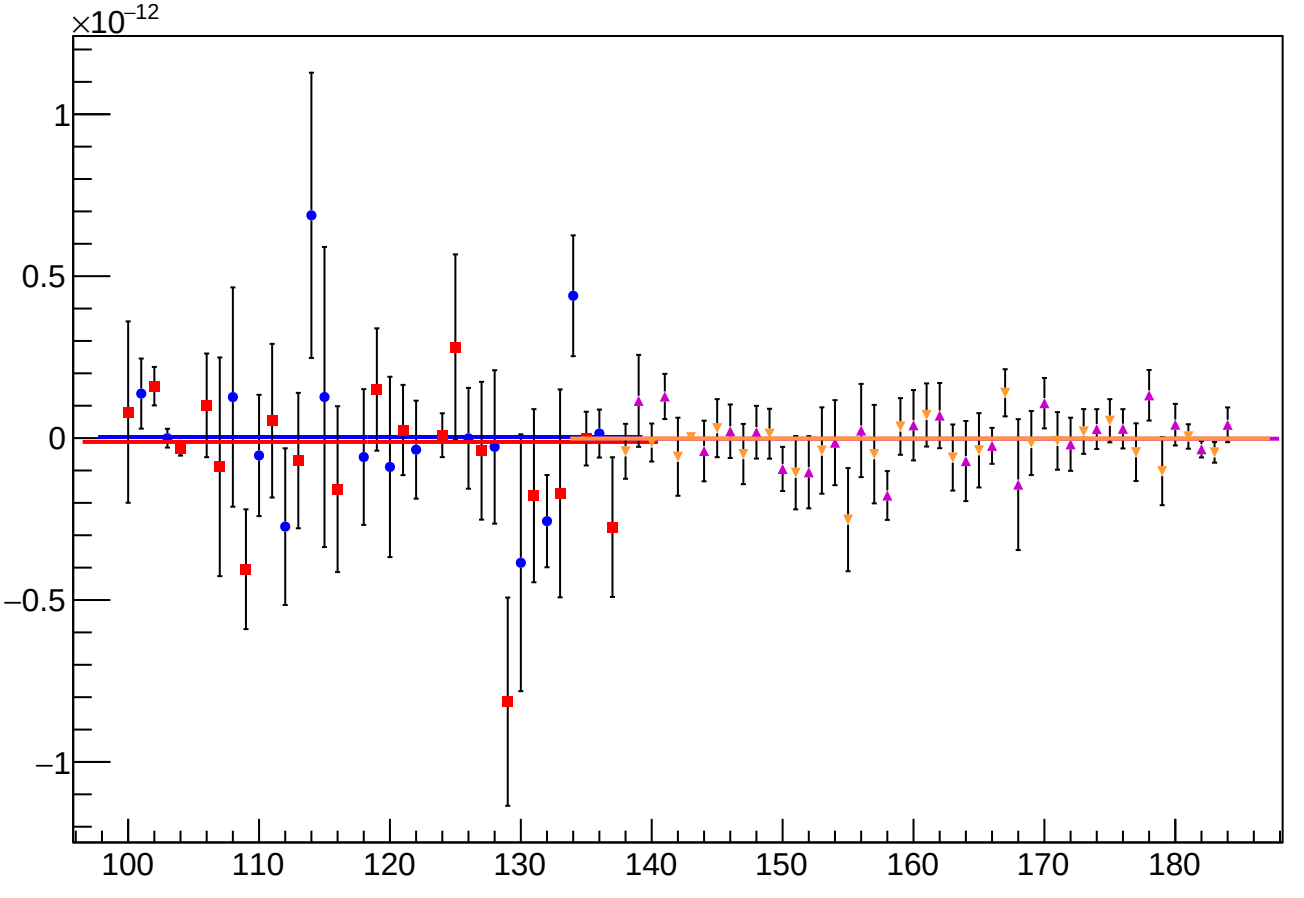
Left: 330.634+/-0.042 χ^2/NDF: 9933183.6/46

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 204.437+/-0.034 χ^2/NDF:11875466.1/38

Out: 194.869+/-0.033 χ^2/NDF:15735878.9/42

All: 199.617+/-0.024 χ^2/NDF: 27652403.5/81



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:22.5/22

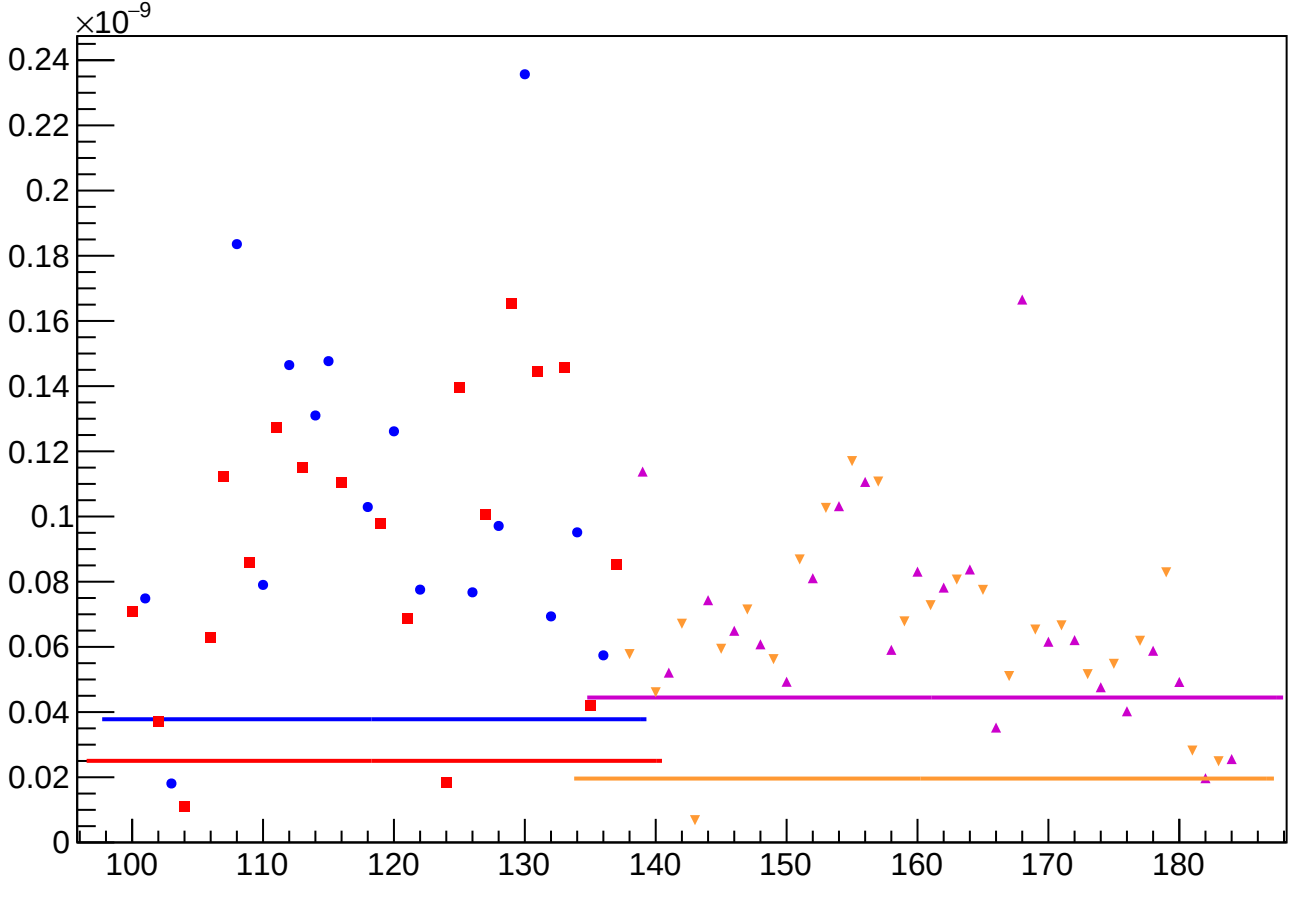
Left: -0.000+/-0.000 χ^2/NDF: 35.8/46

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:38.1/38

Out: -0.000+/-0.000 χ^2/NDF:38.7/42

All: -0.000+/-0.000 χ^2/NDF: 76.8/81



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:5919814.1/22

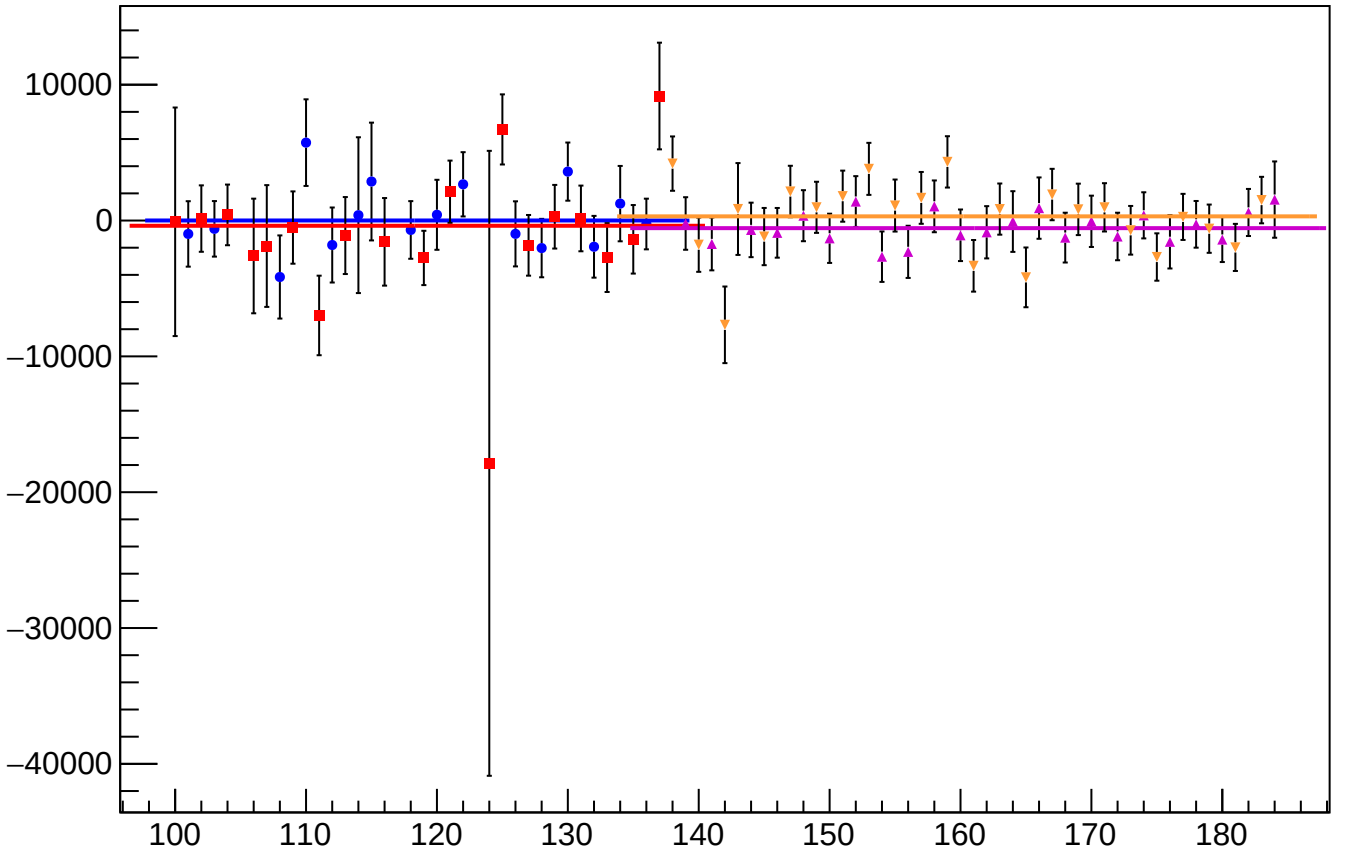
Left: 0.000+/-0.000 χ^2/NDF: 25361048.9/46

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:9977544.1/38

Out: 0.000+/-0.000 χ^2/NDF:19719024.7/42

All: 0.000+/-0.000 χ^2/NDF: 34466824.2/81



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 307.977+/-392.184 χ^2/NDF:38.2/23

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -122.781+/-278.345 χ^2/NDF: 48.2/46

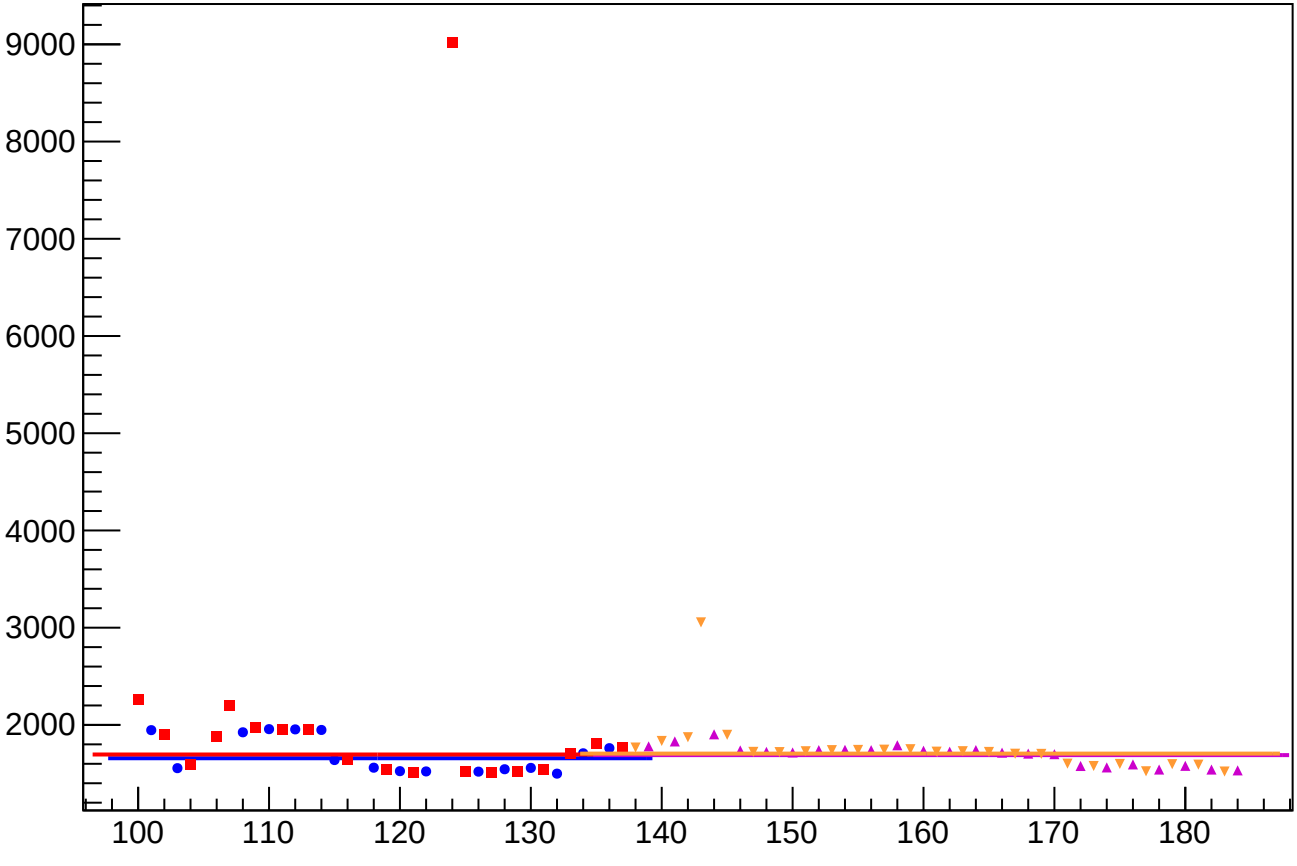
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -396.956+/-333.188 χ^2/NDF:20.5/38

Out: 116.123+/-333.483 χ^2/NDF:63.1/42

All: -140.643+/-235.704 χ^2/NDF: 84.9/81

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: 1689.259+/-0.279 χ^2/NDF:122317.9/22

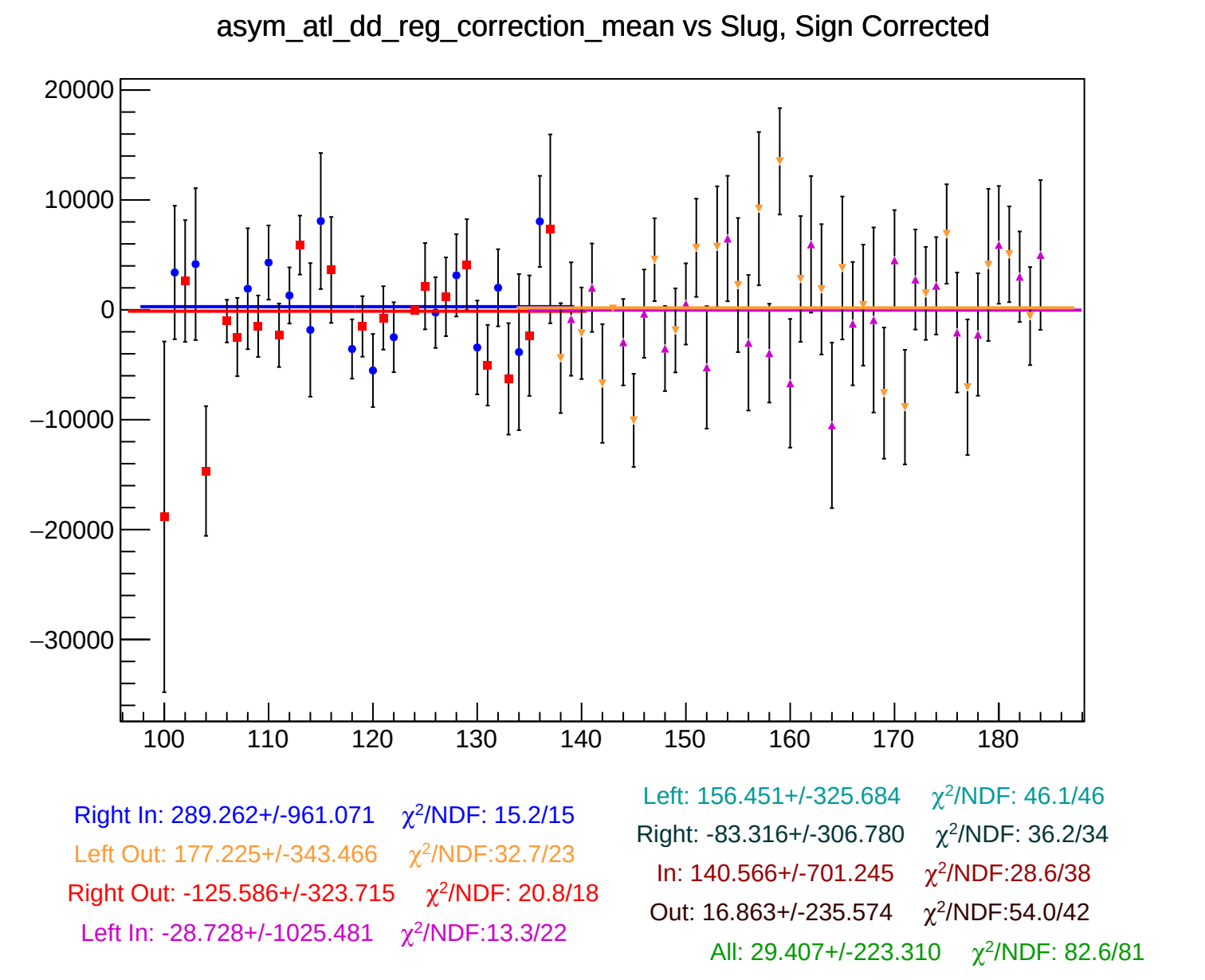
Left: 1697.079+/-0.197 χ^2/NDF: 568436.4/46

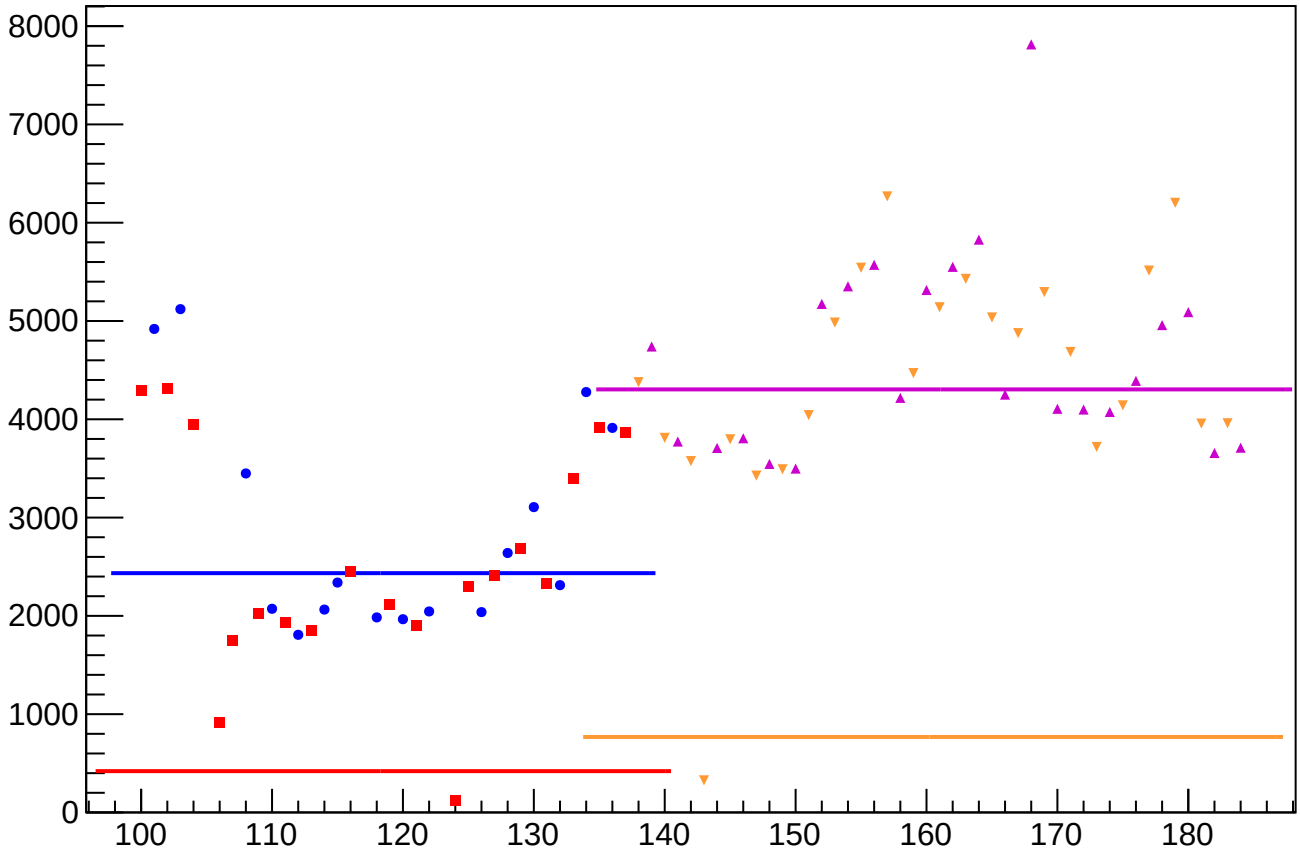
Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1679.974+/-0.236 χ^2/NDF:270123.4/38

Out: 1702.237+/-0.236 χ^2/NDF:831081.9/42

All: 1691.110+/-0.167 χ^2/NDF: 1105671.5/81


asym_atl_dd_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 289.262+/-961.071 χ²/NDF: 15.2/15
Left Out: 177.225+/-343.466 χ²/NDF:32.7/23
Right Out: -125.586+/-323.715 χ²/NDF: 20.8/18
Left In: -28.728+/-1025.481 χ²/NDF:13.3/22
Left: 156.451+/-325.684 χ²/NDF: 46.1/46
Right: -83.316+/-306.780 χ²/NDF: 36.2/34
In: 140.566+/-701.245 χ²/NDF:28.6/38
Out: 16.863+/-235.574 χ²/NDF:54.0/42
All: 29.407+/-223.310 χ²/NDF: 82.6/81



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: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

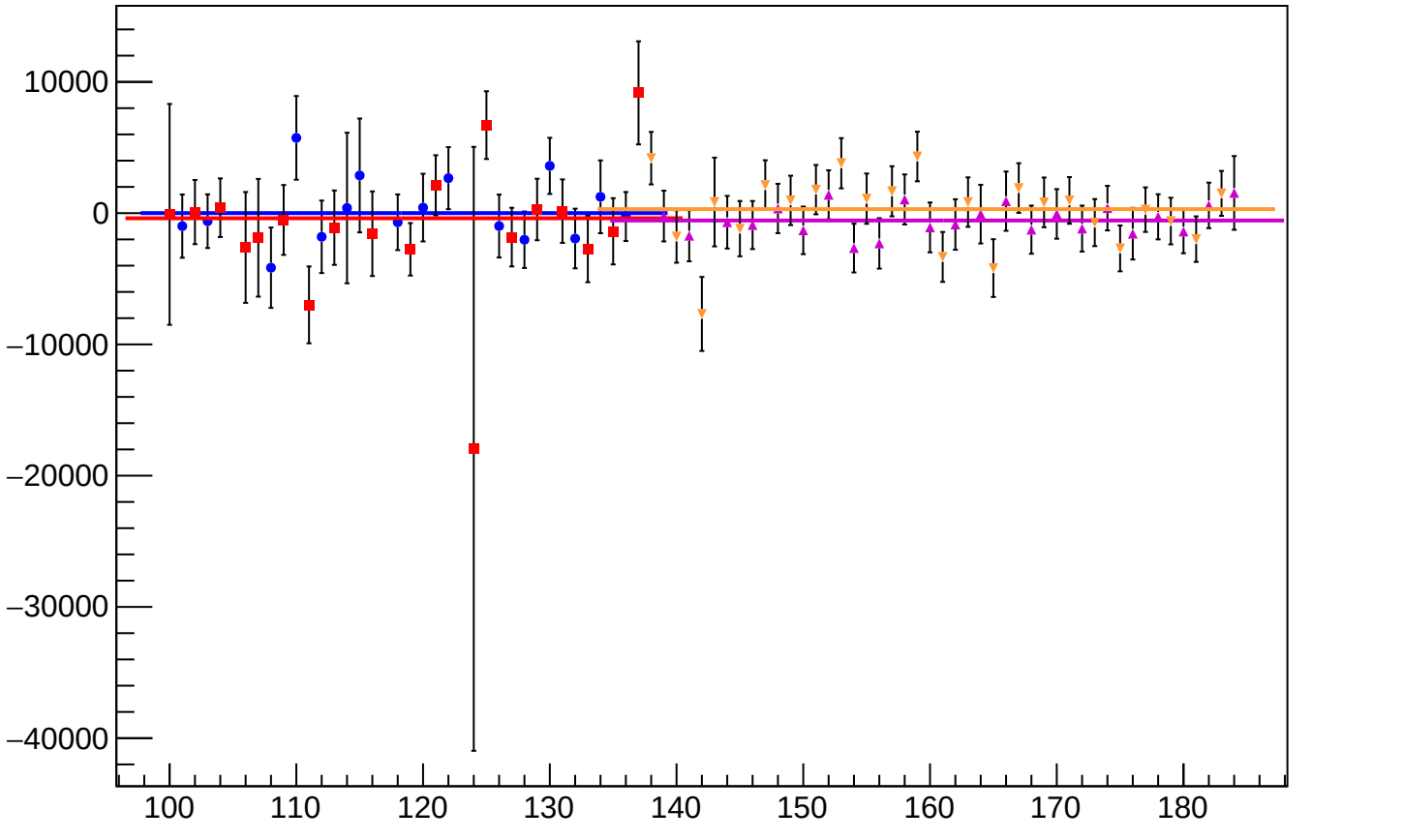
Left: 1124.679+/-0.230 χ^2/NDF: 50347617.5/46

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3308.751+/-0.496 χ^2/NDF:6212762.3/38

Out: 583.873+/-0.167 χ^2/NDF:39900036.8/42

All: 860.200+/-0.158 χ^2/NDF: 73248831.1/81



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: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -122.772+/-278.345 χ^2/NDF: 48.2/46

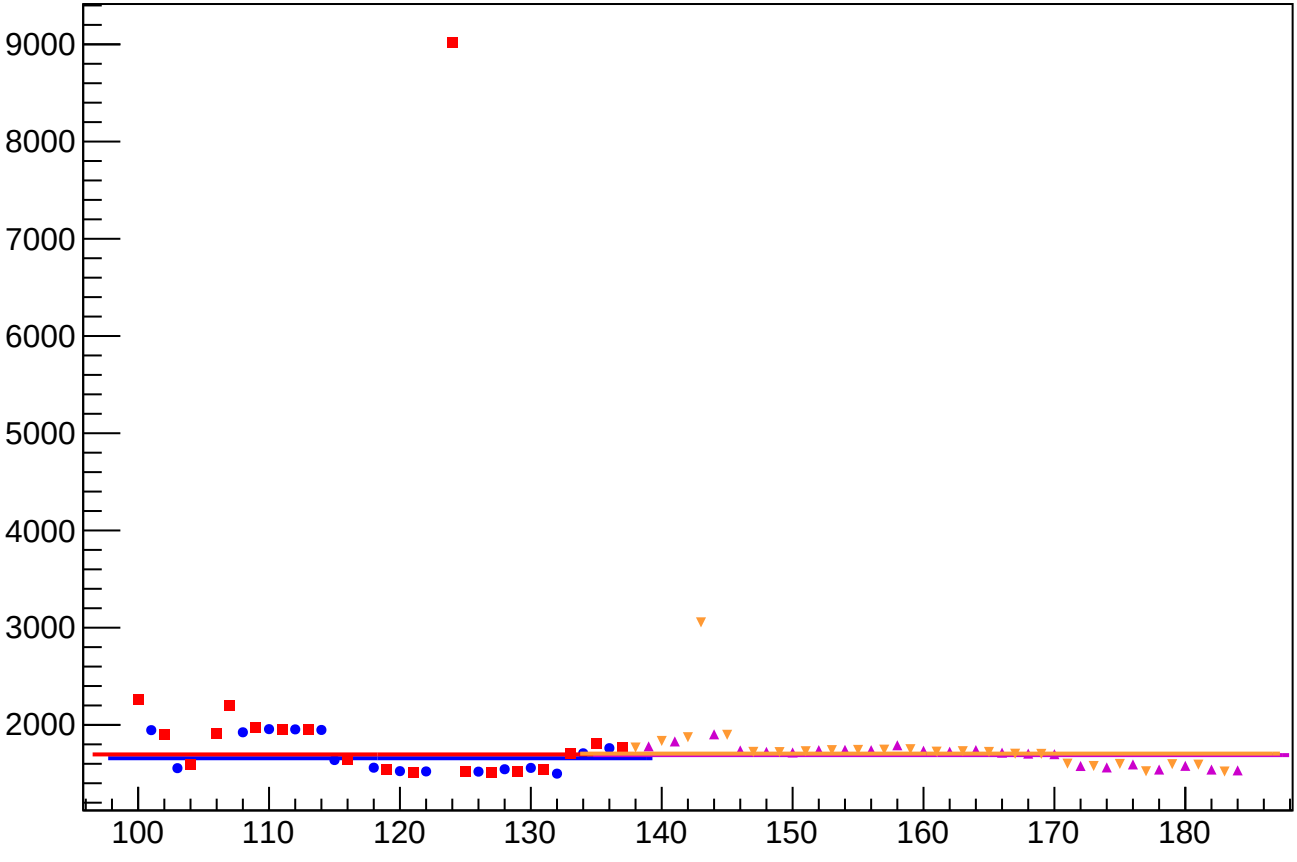
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -396.954+/-333.188 χ^2/NDF:20.5/38

Out: 114.923+/-333.484 χ^2/NDF:63.1/42

All: -141.242+/-235.704 χ^2/NDF: 84.9/81

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: 1689.259+/-0.279 χ^2/NDF:122317.9/22

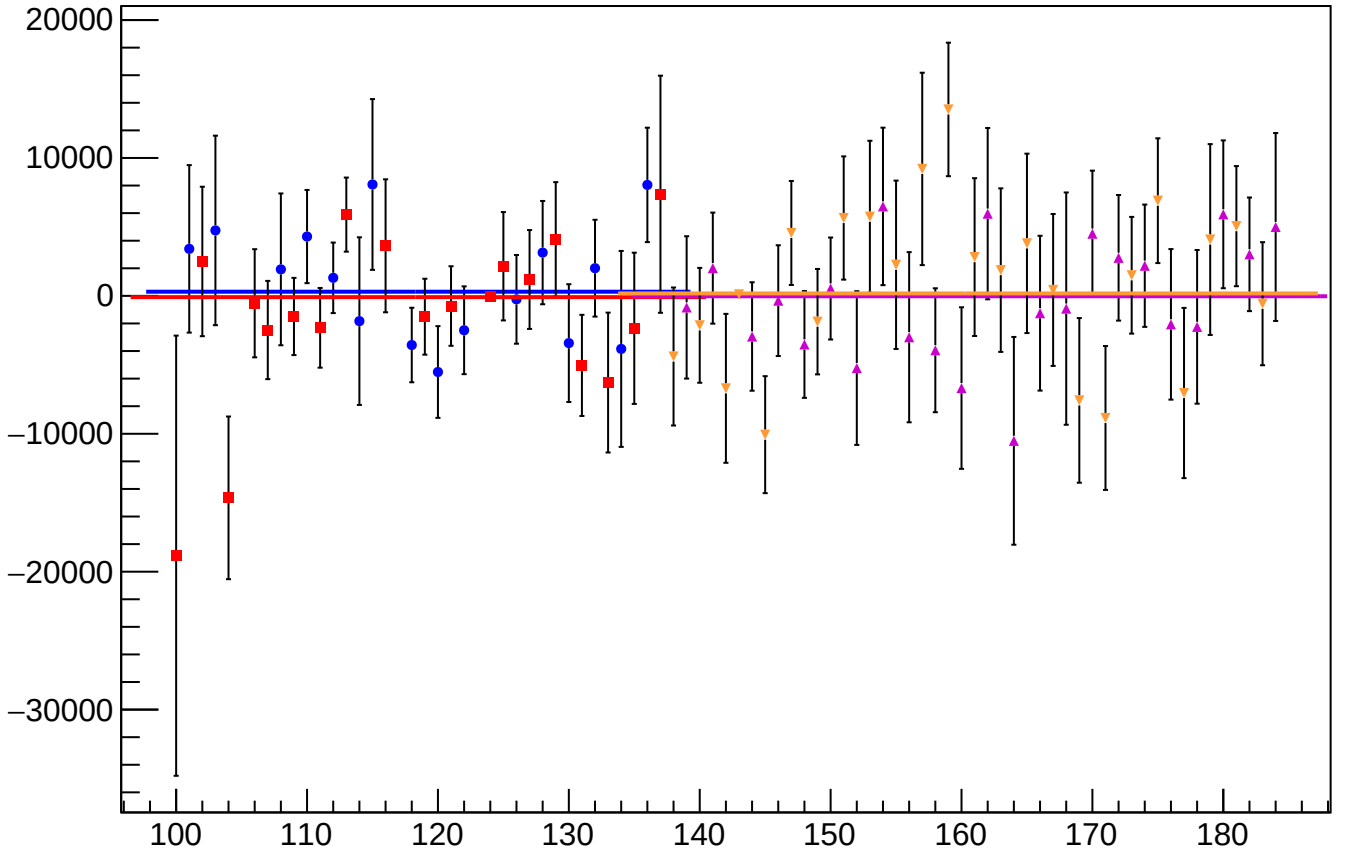
Left: 1697.079+/-0.197 χ^2/NDF: 568436.4/46

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1679.974+/-0.236 χ^2/NDF:270123.4/38

Out: 1702.459+/-0.236 χ^2/NDF:832789.7/42

All: 1691.220+/-0.167 χ^2/NDF: 1107468.6/81



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: -28.766+/-1025.480 χ^2/NDF:13.3/22

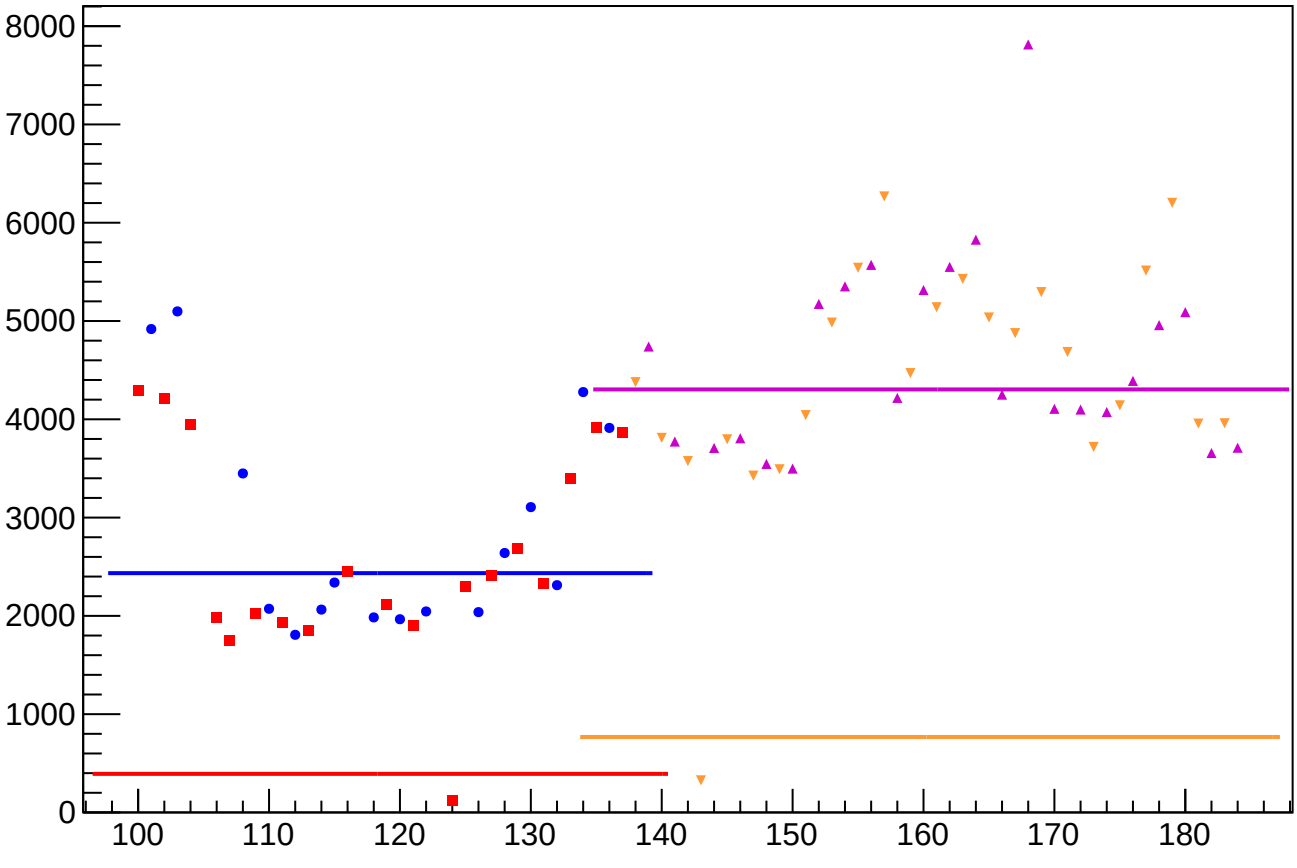
Left: 156.823+/-325.664 χ^2/NDF: 46.1/46

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 147.265+/-701.199 χ^2/NDF:28.7/38

Out: 31.384+/-232.446 χ^2/NDF:53.7/42

All: 42.857+/-220.639 χ^2/NDF: 82.4/81



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: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

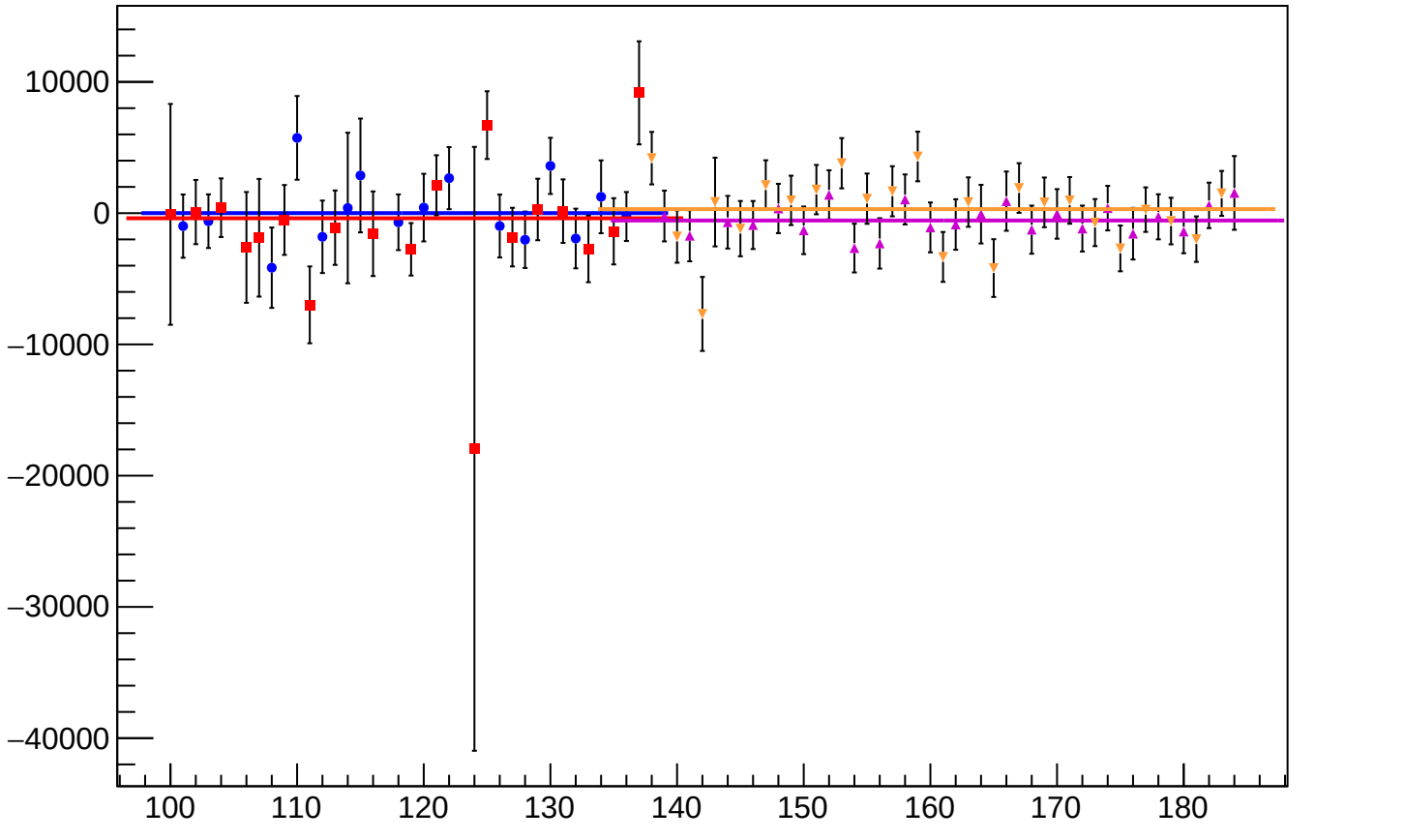
Left: 1124.555+/-0.230 χ^2/NDF: 50349812.8/46

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3308.723+/-0.496 χ^2/NDF:6210828.9/38

Out: 564.568+/-0.164 χ^2/NDF:40453334.7/42

All: 836.269+/-0.156 χ^2/NDF: 74262604.1/81



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: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -122.772+/-278.345 χ^2/NDF: 48.2/46

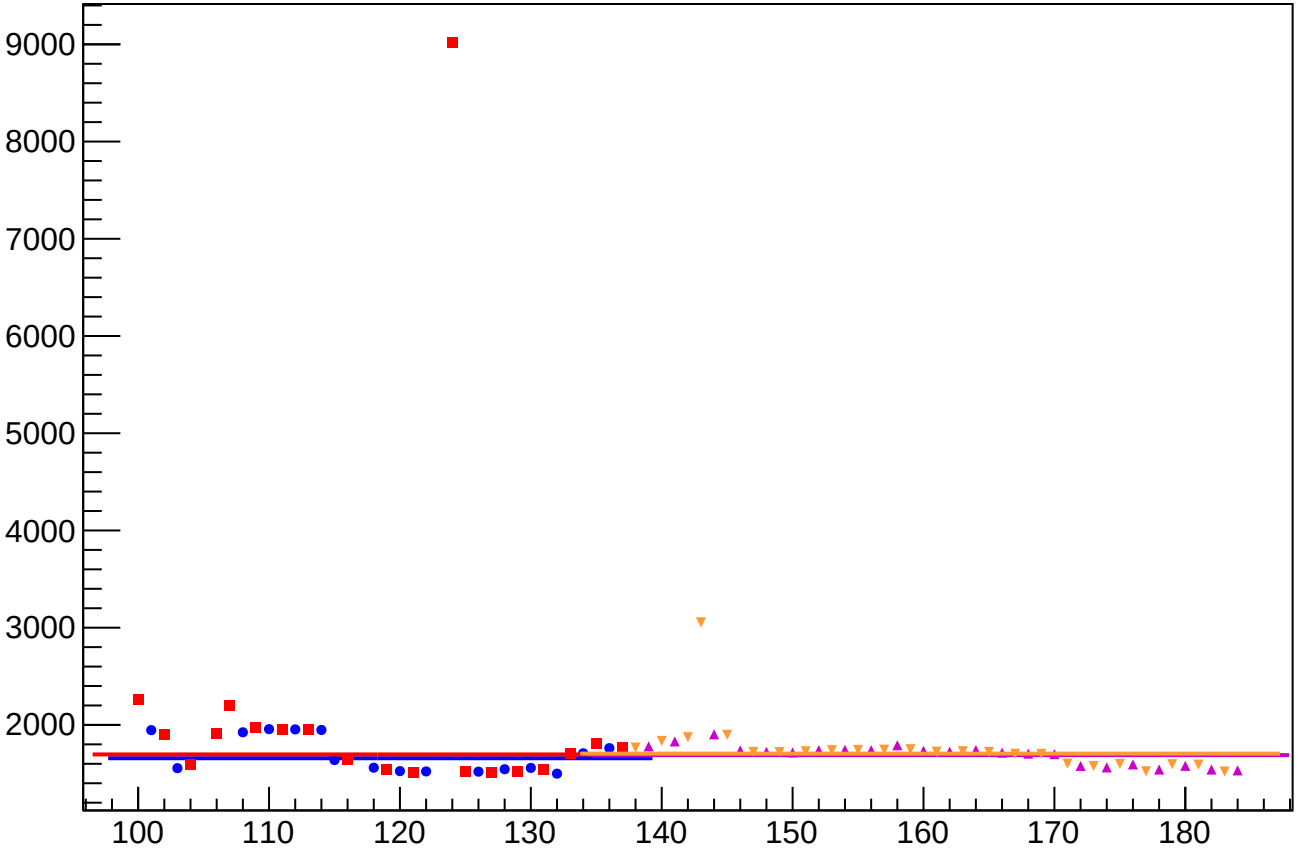
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -396.954+/-333.188 χ^2/NDF:20.5/38

Out: 114.923+/-333.484 χ^2/NDF:63.1/42

All: -141.242+/-235.704 χ^2/NDF: 84.9/81

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: 1689.259+/-0.279 χ^2/NDF:122317.9/22

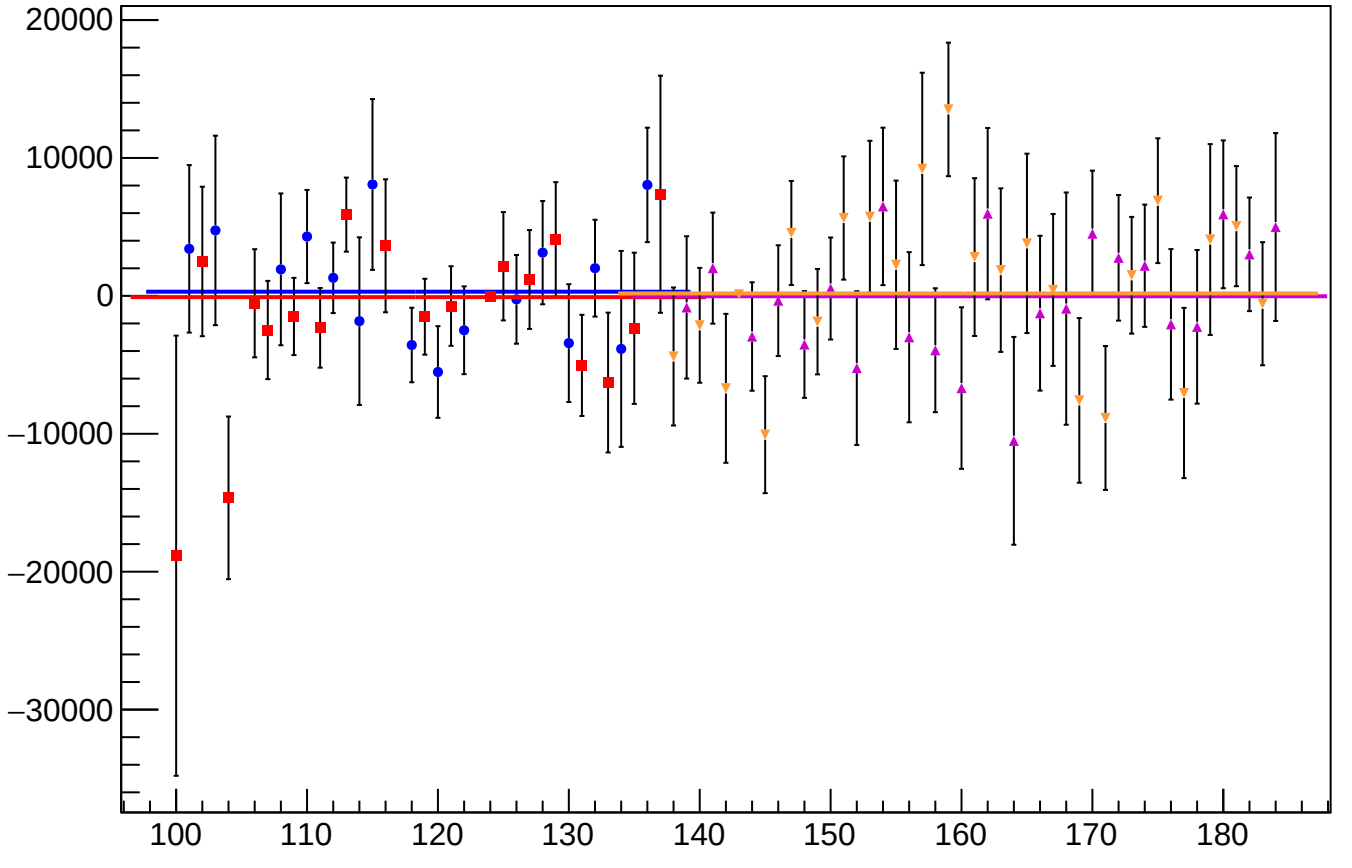
Left: 1697.079+/-0.197 χ^2/NDF: 568436.4/46

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1679.974+/-0.236 χ^2/NDF:270123.4/38

Out: 1702.459+/-0.236 χ^2/NDF:832789.7/42

All: 1691.220+/-0.167 χ^2/NDF: 1107468.6/81



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: -28.766+/-1025.480 χ^2/NDF:13.3/22

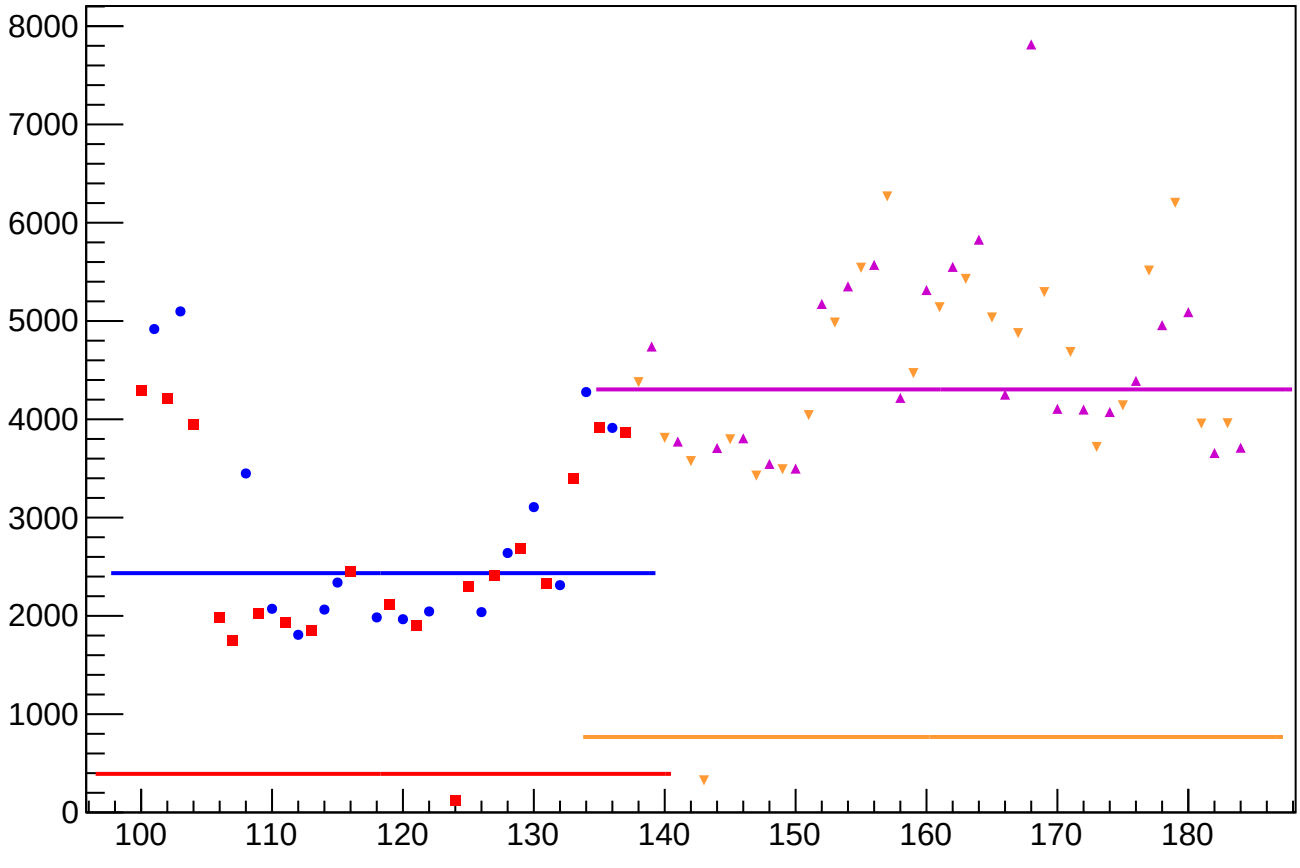
Left: 156.823+/-325.664 χ^2/NDF: 46.1/46

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 147.265+/-701.199 χ^2/NDF:28.7/38

Out: 31.384+/-232.446 χ^2/NDF:53.7/42

All: 42.857+/-220.639 χ^2/NDF: 82.4/81



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: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

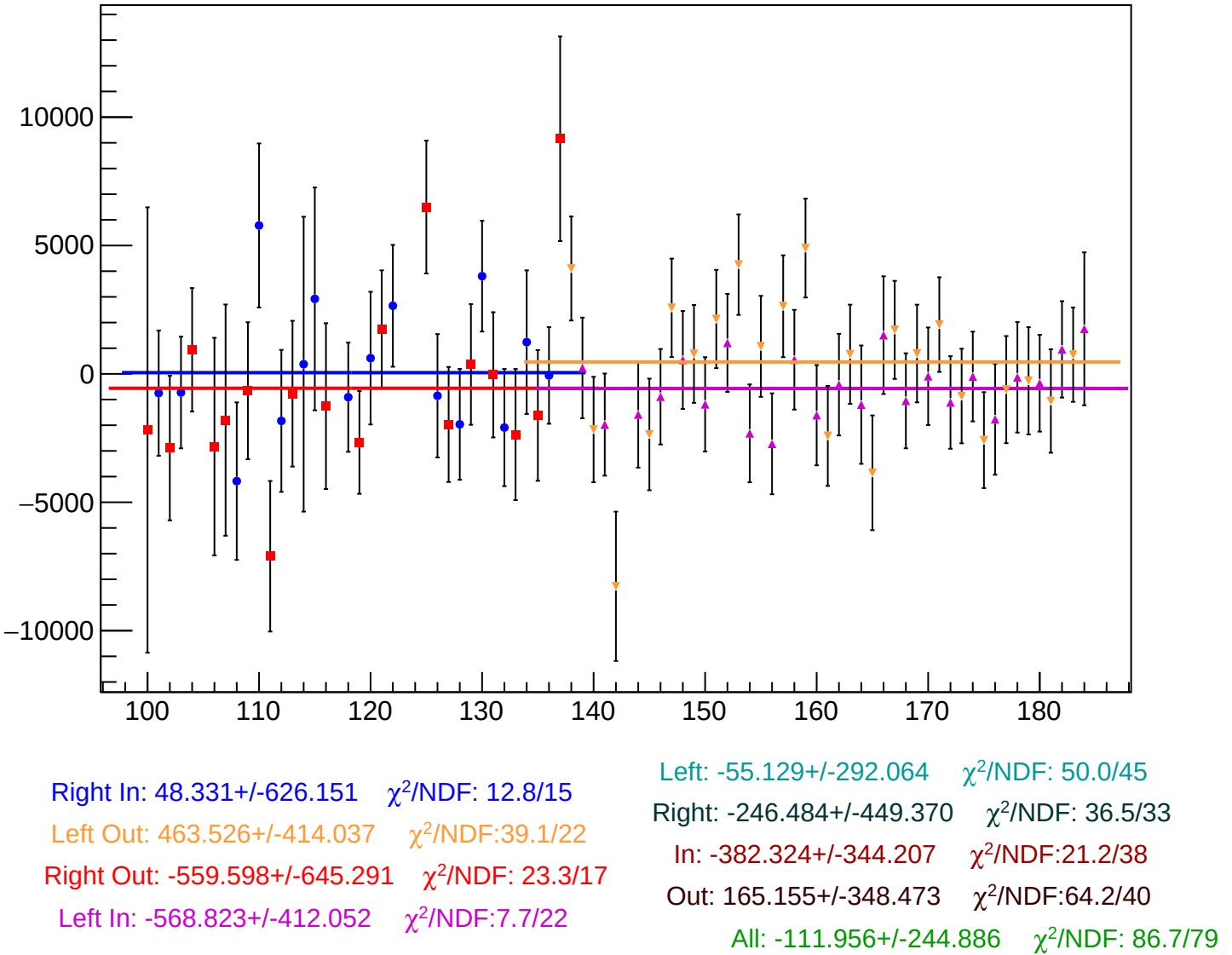
Left: 1124.555+/-0.230 χ^2/NDF: 50349812.8/46

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

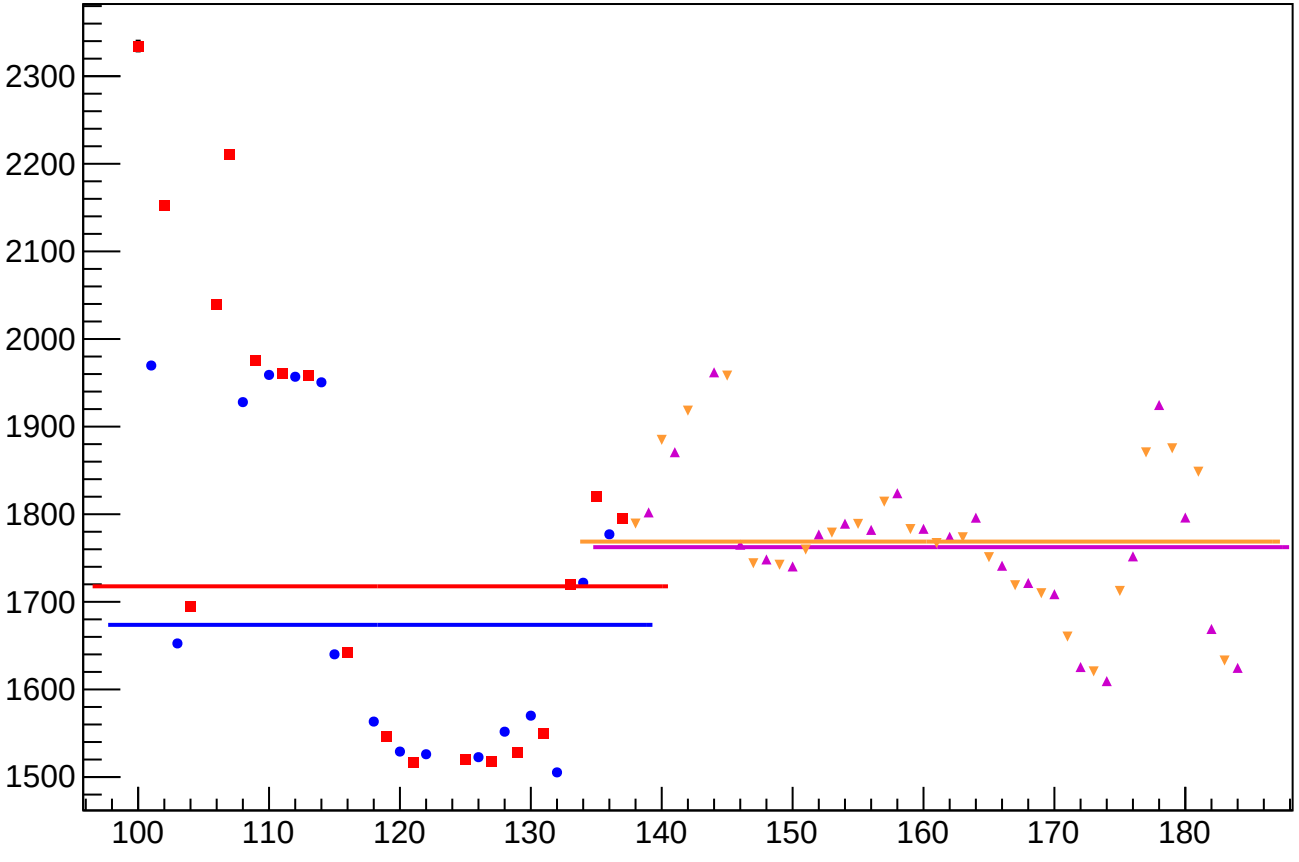
In: 3308.723+/-0.496 χ^2/NDF:6210828.9/38

Out: 564.568+/-0.164 χ^2/NDF:40453334.7/42

All: 836.269+/-0.156 χ^2/NDF: 74262604.1/81


dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 48.331+/-626.151 χ²/NDF: 12.8/15
Left Out: 463.526+/-414.037 χ²/NDF:39.1/22
Right Out: -559.598+/-645.291 χ²/NDF: 23.3/17
Left In: -568.823+/-412.052 χ²/NDF:7.7/22
Left: -55.129+/-292.064 χ²/NDF: 50.0/45
Right: -246.484+/-449.370 χ²/NDF: 36.5/33
In: -382.324+/-344.207 χ²/NDF:21.2/38
Out: 165.155+/-348.473 χ²/NDF:64.2/40
All: -111.956+/-244.886 χ²/NDF: 86.7/79

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: 1762.405+/-0.291 χ^2/NDF:80090.6/22

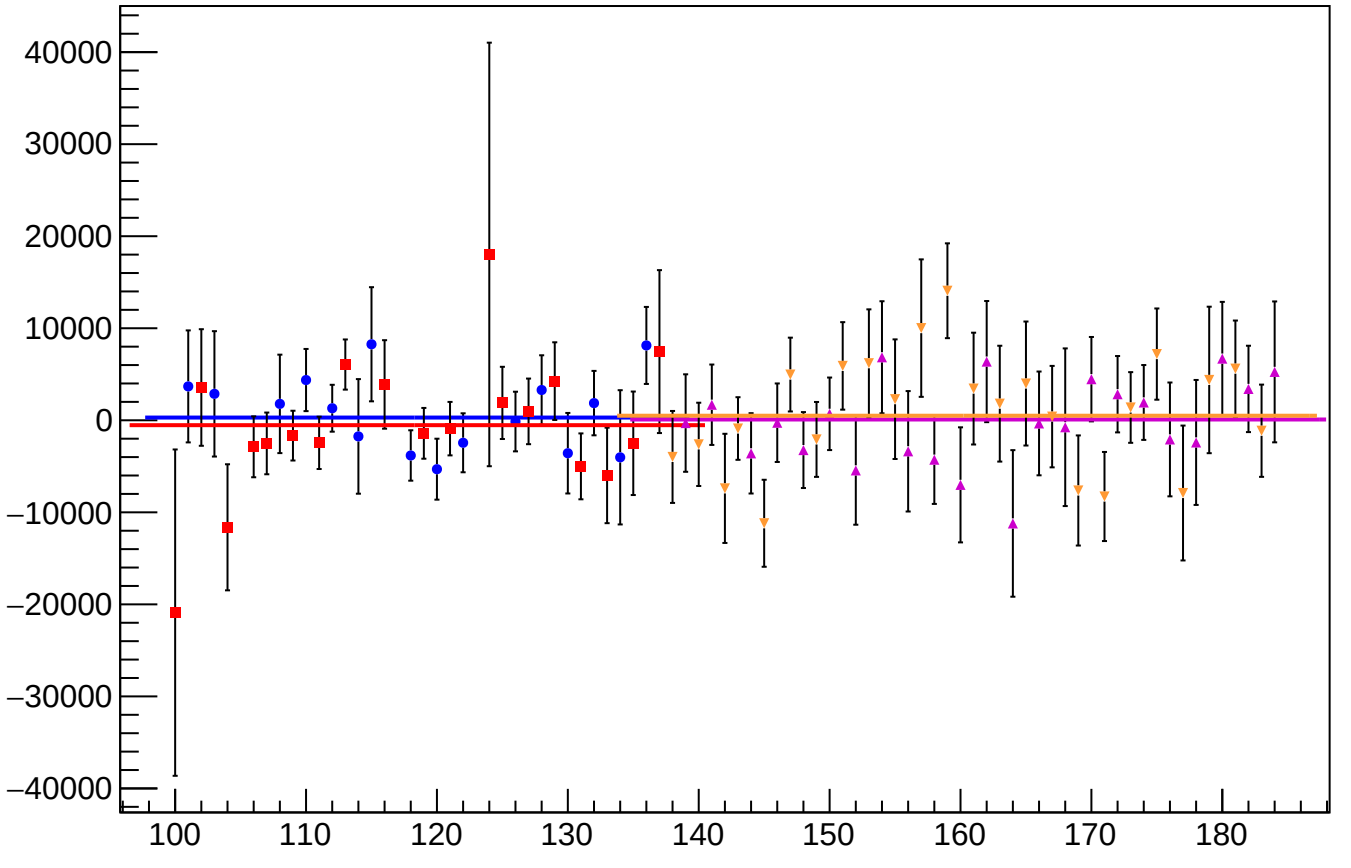
Left: 1765.570+/-0.207 χ^2/NDF: 158711.2/45

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1735.608+/-0.243 χ^2/NDF:248955.3/38

Out: 1753.829+/-0.246 χ^2/NDF:314922.5/40

All: 1744.612+/-0.173 χ^2/NDF: 566647.3/79



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: 85.511+/-1082.508 χ^2/NDF:12.9/22

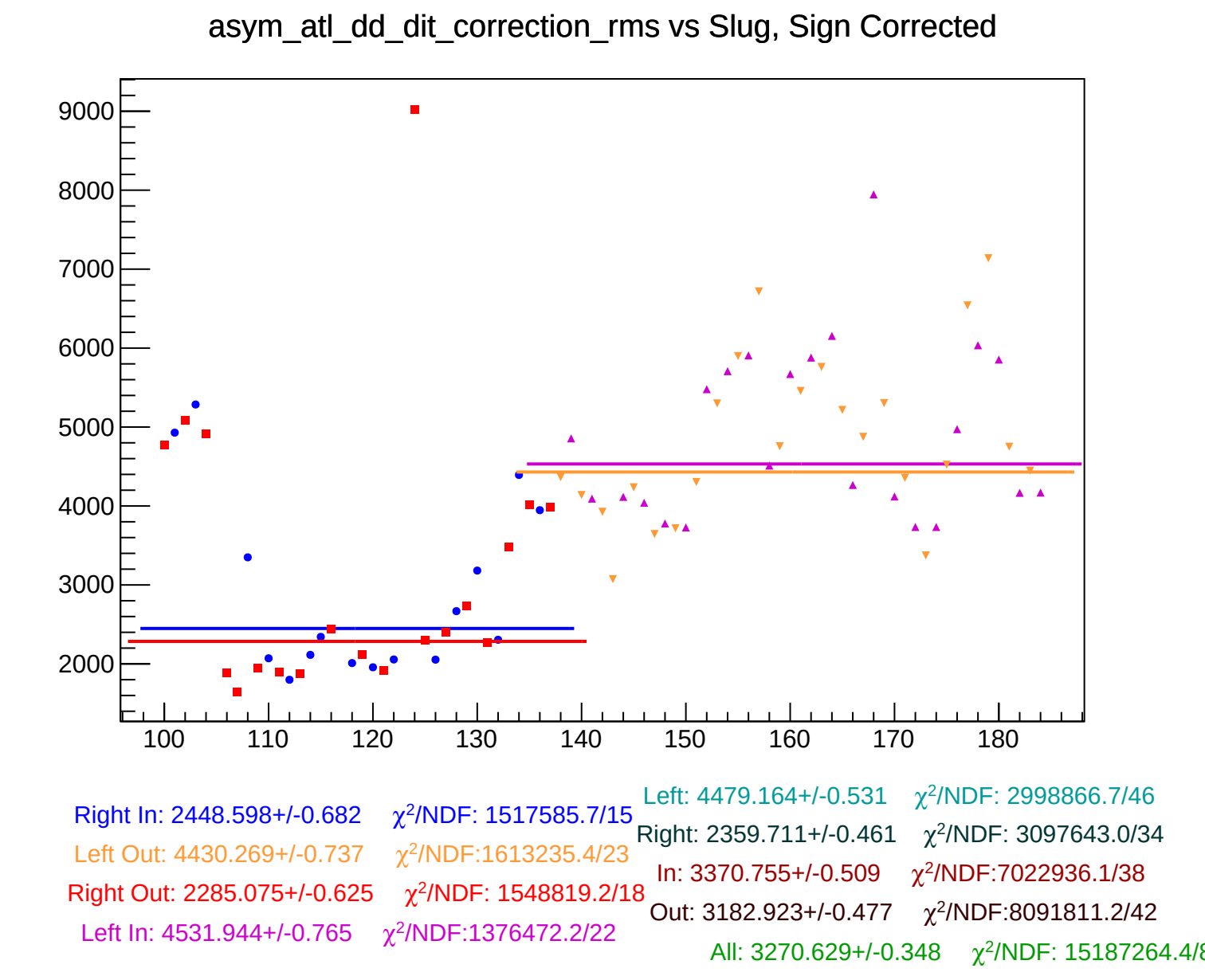
Left: 298.709+/-750.683 χ^2/NDF: 45.0/46

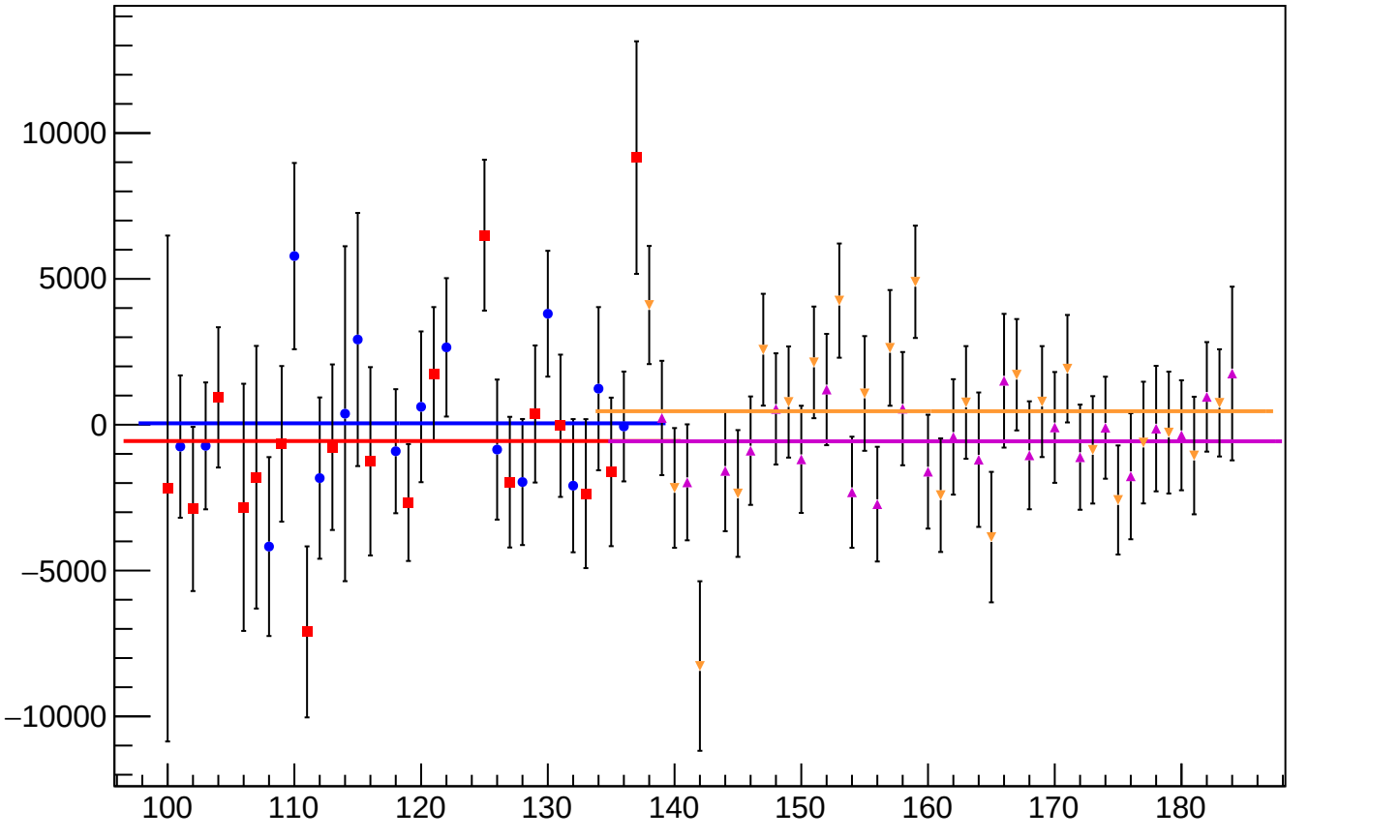
Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 203.119+/-720.199 χ^2/NDF:28.2/38

Out: -101.074+/-674.058 χ^2/NDF:51.4/42

All: 40.966+/-492.135 χ^2/NDF: 79.7/81


asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 2448.598+/-0.682 χ²/NDF: 1517585.7/15
Left Out: 4430.269+/-0.737 χ²/NDF:1613235.4/23
Right Out: 2285.075+/-0.625 χ²/NDF: 1548819.2/18
Left In: 4531.944+/-0.765 χ²/NDF:1376472.2/22
Left: 4479.164+/-0.531 χ²/NDF: 2998866.7/46
Right: 2359.711+/-0.461 χ²/NDF: 3097643.0/34
In: 3370.755+/-0.509 χ²/NDF:7022936.1/38
Out: 3182.923+/-0.477 χ²/NDF:8091811.2/42
All: 3270.629+/-0.348 χ²/NDF: 15187264.4/8



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: -568.821+/-412.052 χ^2/NDF:7.7/22

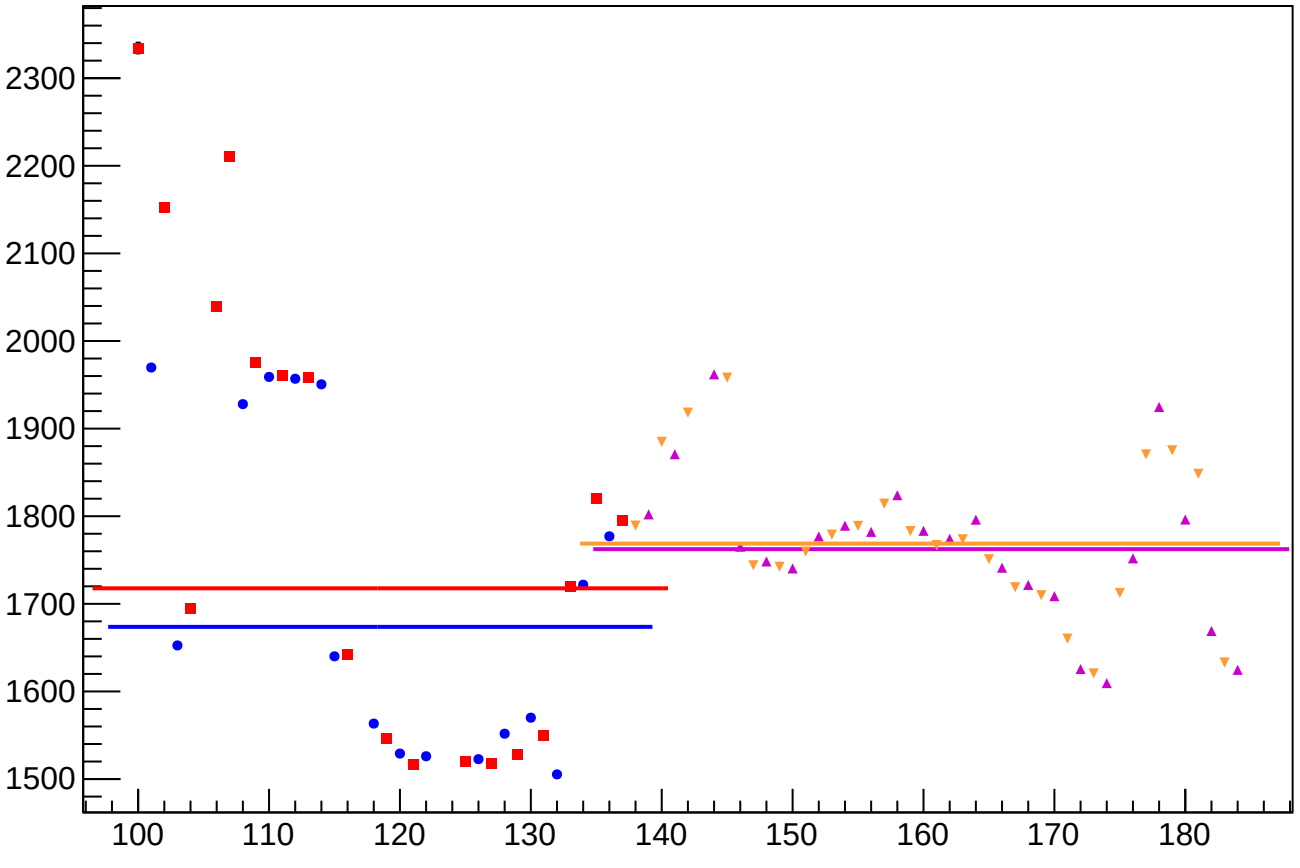
Left: -55.127+/-292.064 χ^2/NDF: 50.0/45

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -382.324+/-344.207 χ^2/NDF:21.2/38

Out: 165.155+/-348.474 χ^2/NDF:64.2/40

All: -111.956+/-244.886 χ^2/NDF: 86.7/79



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: 1762.406+/-0.291 χ^2/NDF:80093.2/22

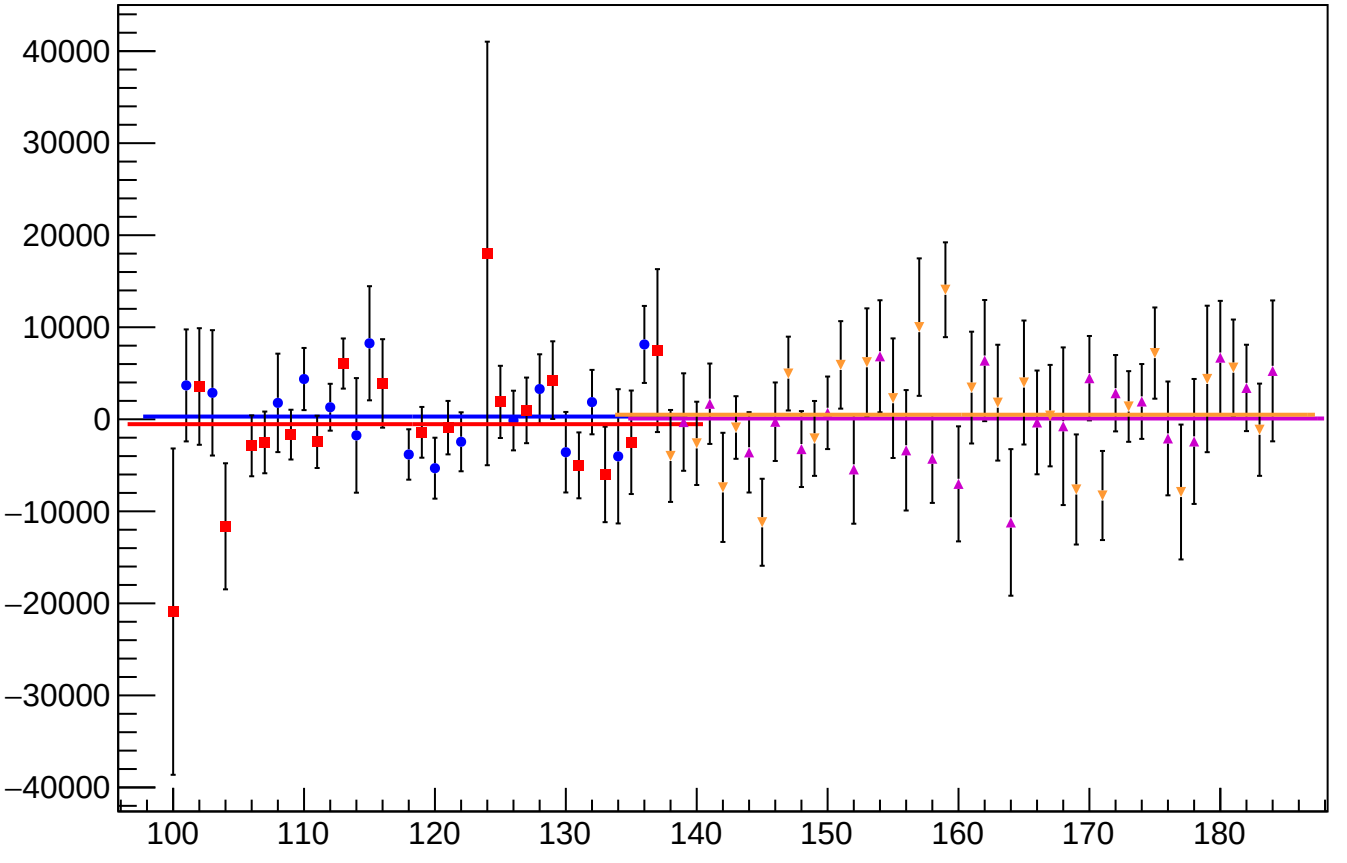
Left: 1765.571+/-0.207 χ^2/NDF: 158717.0/45

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1735.609+/-0.243 χ^2/NDF:248958.7/38

Out: 1753.829+/-0.246 χ^2/NDF:314925.3/40

All: 1744.613+/-0.173 χ^2/NDF: 566653.5/79



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: 85.511+/-1082.509 χ^2/NDF:12.9/22

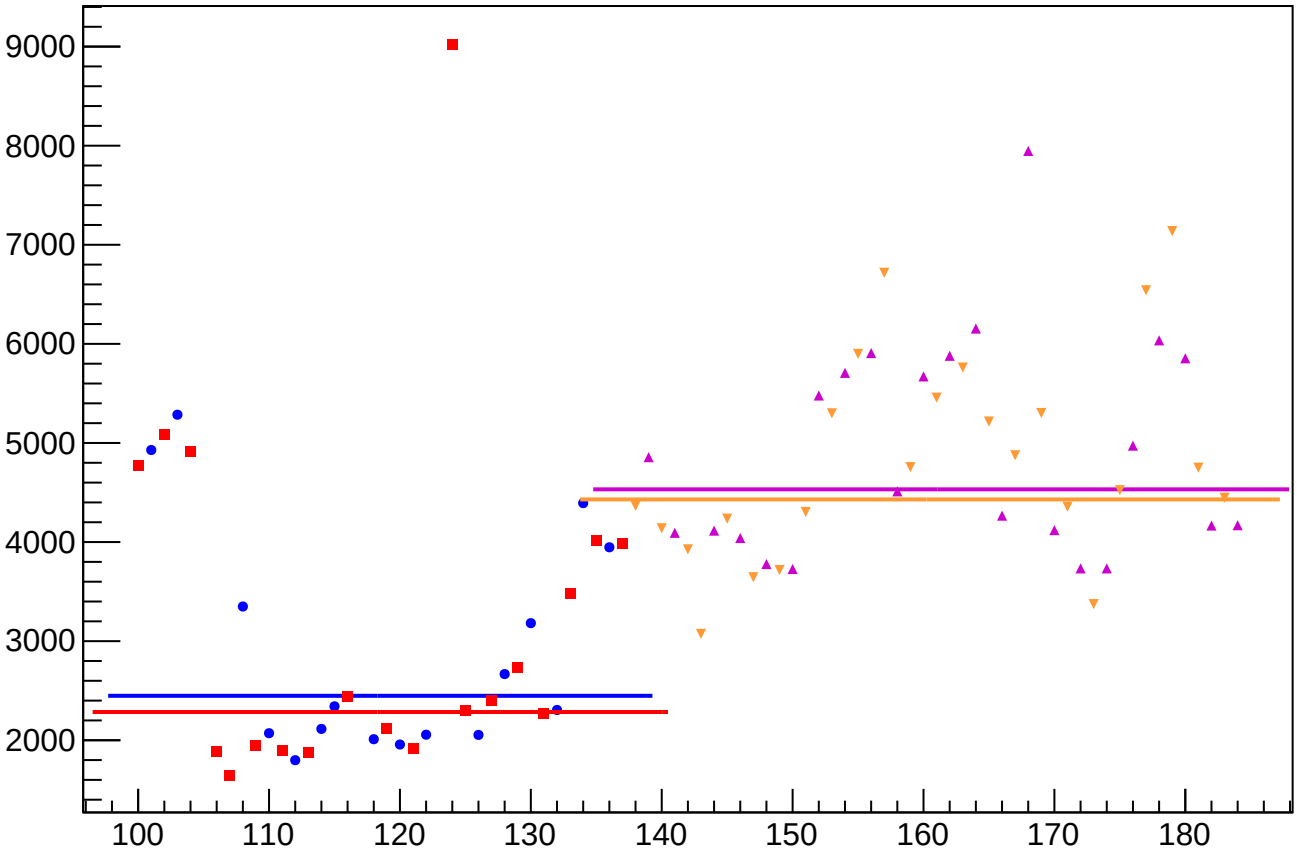
Left: 298.712+/-750.684 χ^2/NDF: 45.0/46

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 203.116+/-720.198 χ^2/NDF:28.2/38

Out: -101.076+/-674.057 χ^2/NDF:51.4/42

All: 40.964+/-492.134 χ^2/NDF: 79.7/81



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: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

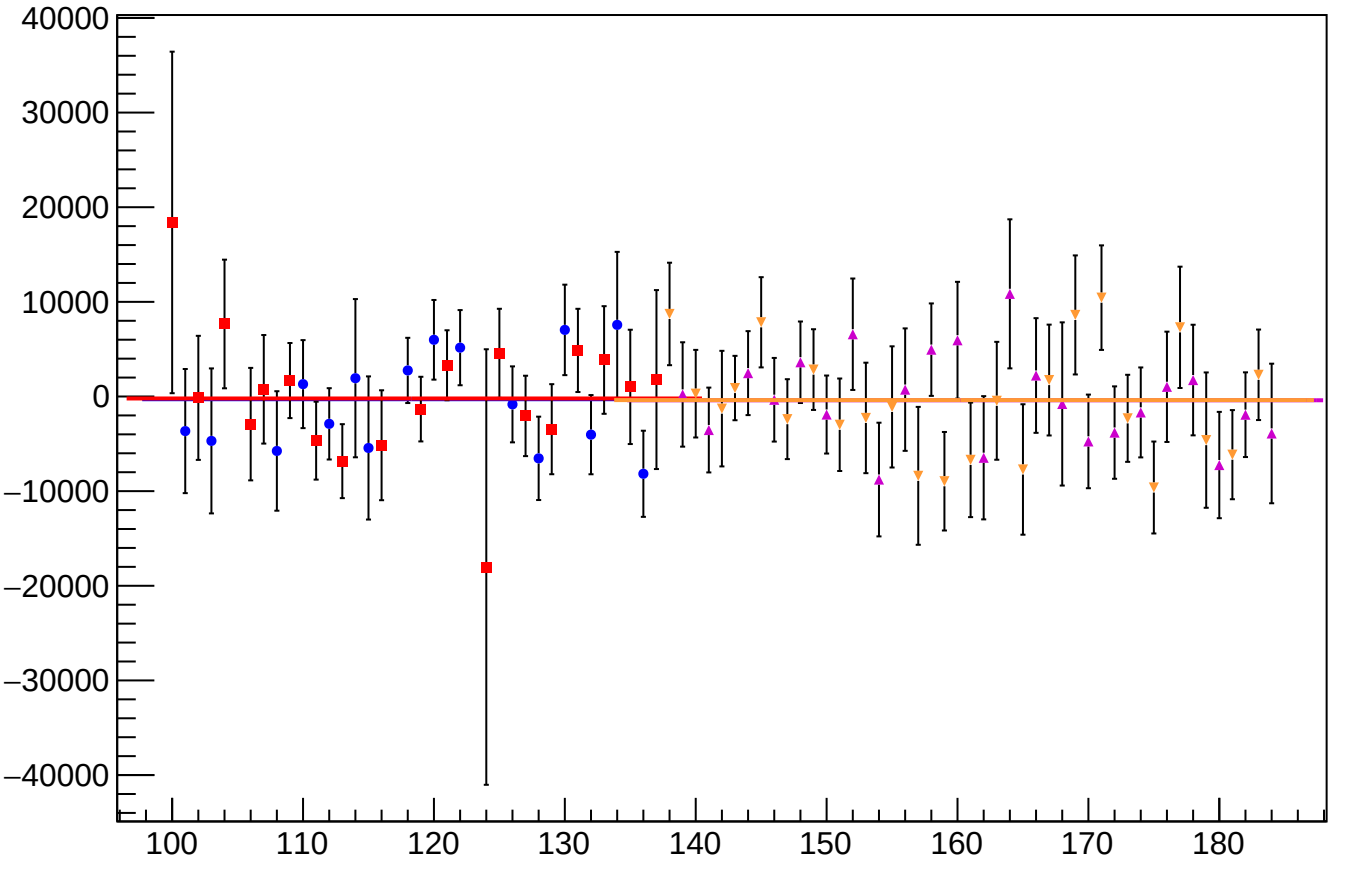
Left: 4479.171+/-0.531 χ^2/NDF: 2998870.4/46

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3370.746+/-0.509 χ^2/NDF:7023028.1/38

Out: 3182.915+/-0.477 χ^2/NDF:8091898.1/42

All: 3270.621+/-0.348 χ^2/NDF: 15187442.6/8



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: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -389.292+/-767.714 χ^2/NDF: 40.7/46

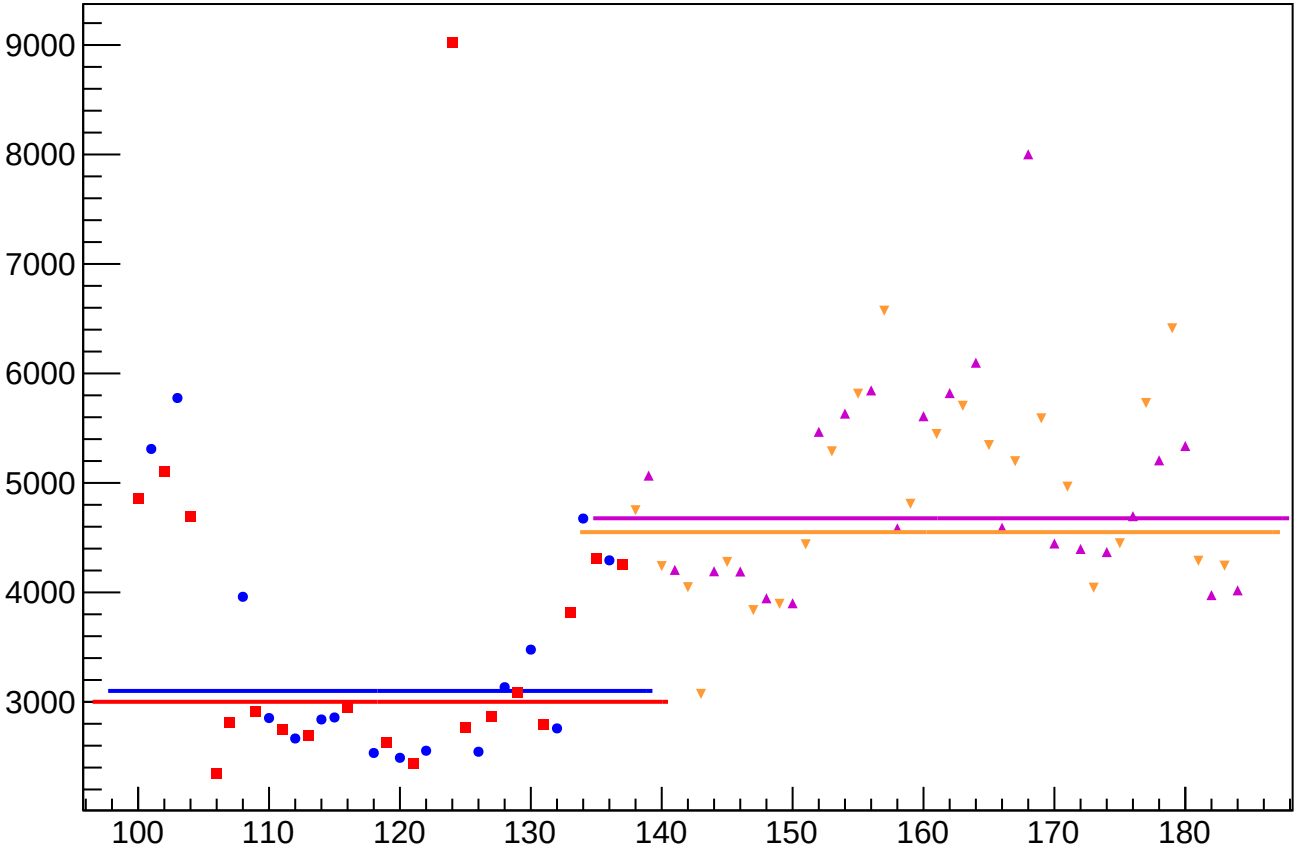
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -347.066+/-813.814 χ^2/NDF:30.6/38

Out: -302.172+/-781.928 χ^2/NDF:39.6/42

All: -323.722+/-563.842 χ^2/NDF: 70.2/81

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: 4677.049+/-0.785 χ^2/NDF:959885.7/22

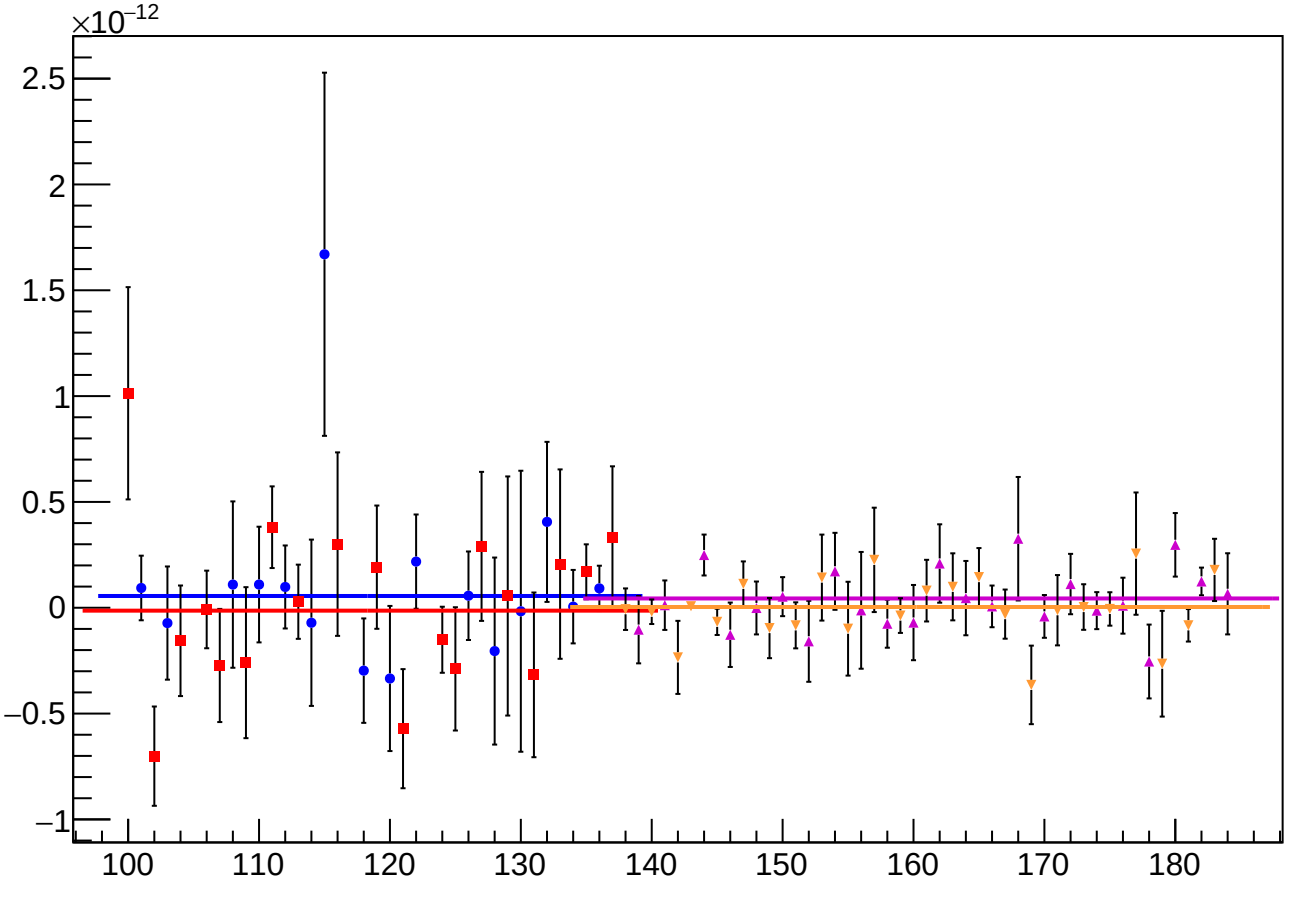
Left: 4611.102+/-0.543 χ^2/NDF: 2229185.2/46

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3948.556+/-0.575 χ^2/NDF:3790007.7/38

Out: 3828.207+/-0.549 χ^2/NDF:4042182.0/42

All: 3885.600+/-0.397 χ^2/NDF: 7855070.1/81



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:20.6/22

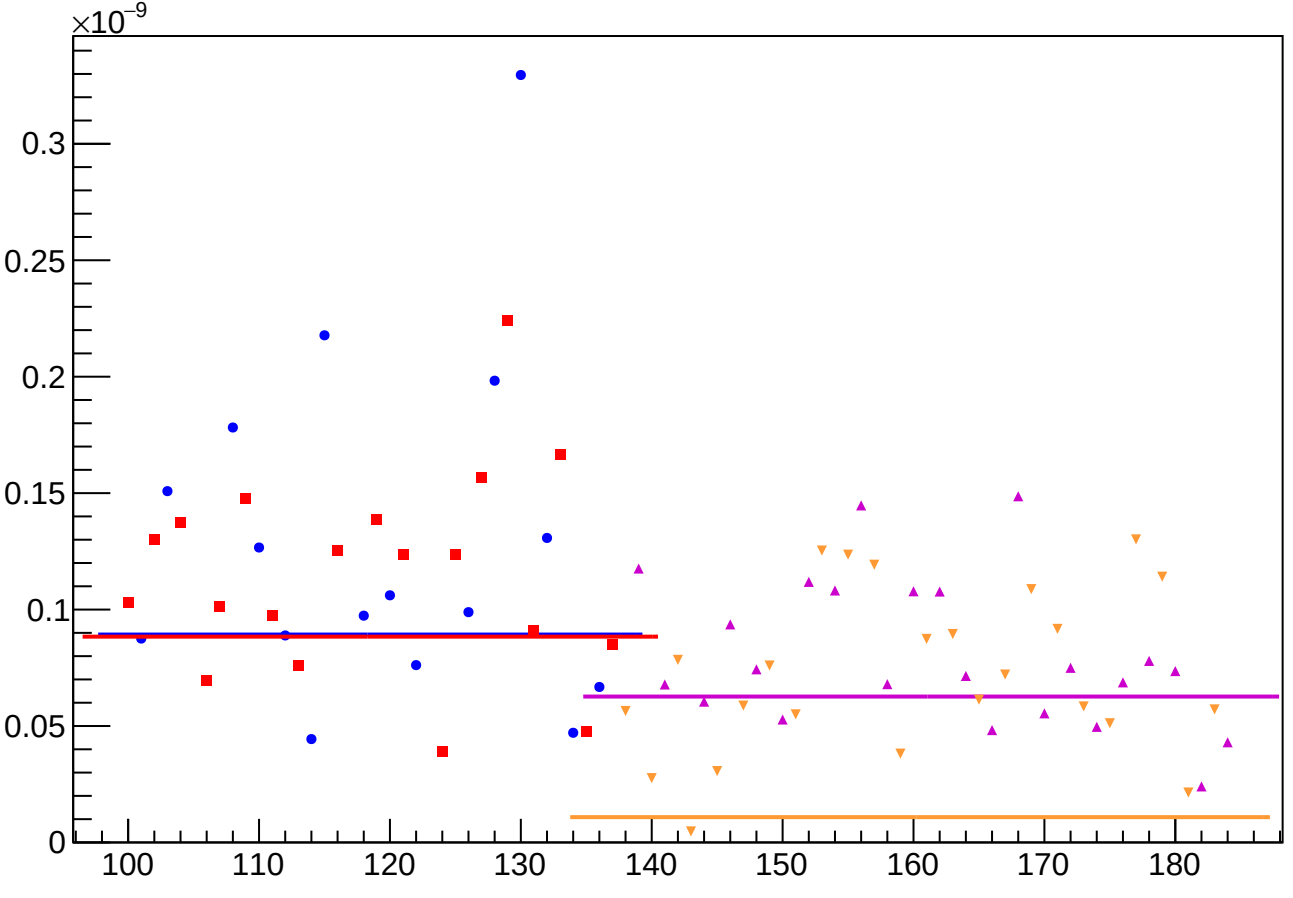
Left: 0.000+/-0.000 χ^2/NDF: 40.6/46

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:30.0/38

Out: 0.000+/-0.000 χ^2/NDF:47.9/42

All: 0.000+/-0.000 χ^2/NDF: 80.8/81



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:2092071.7/22

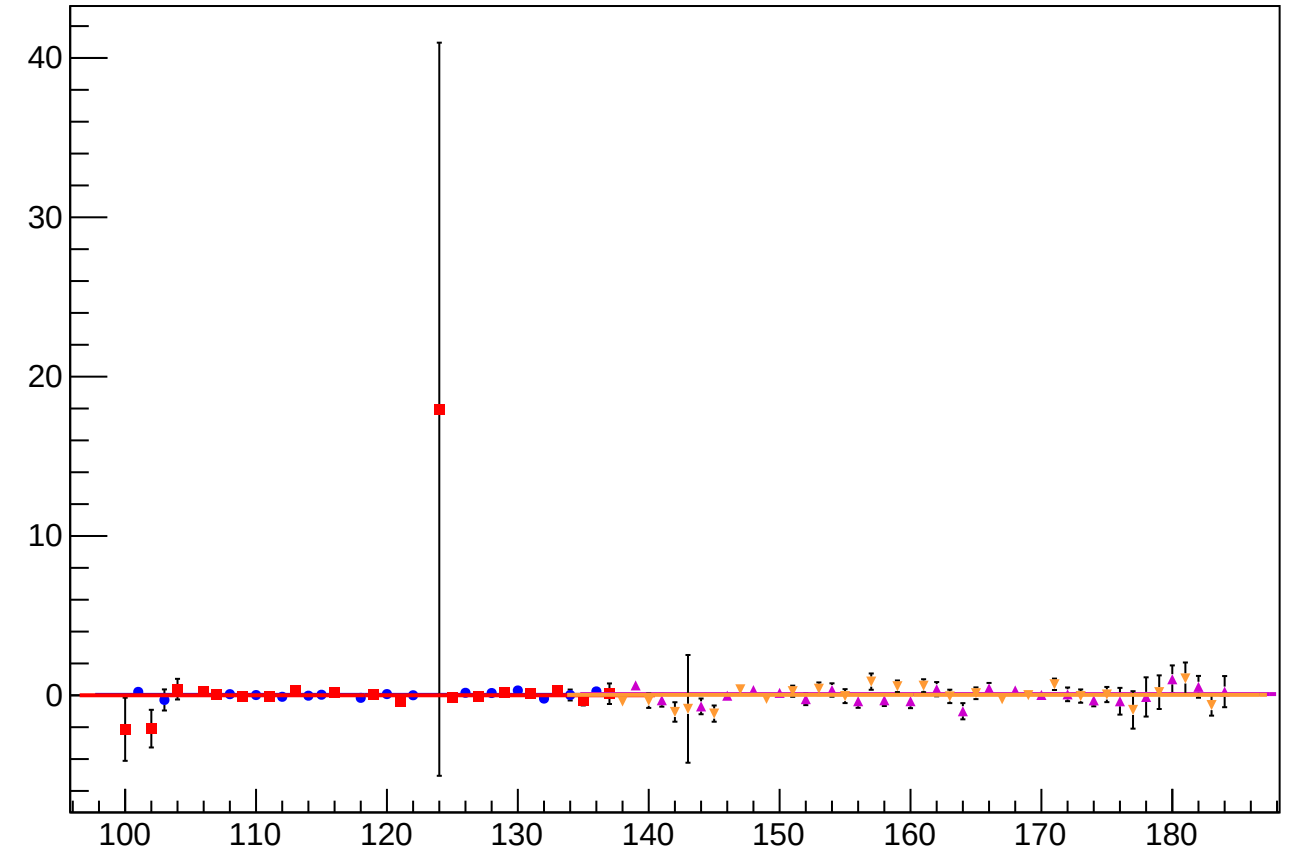
Left: 0.000+/-0.000 χ^2/NDF: 18959911.7/46

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:3407988.9/38

Out: 0.000+/-0.000 χ^2/NDF:14487631.0/42

All: 0.000+/-0.000 χ^2/NDF: 27455430.8/81



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: 0.078+/-0.076 χ^2/NDF:24.1/22

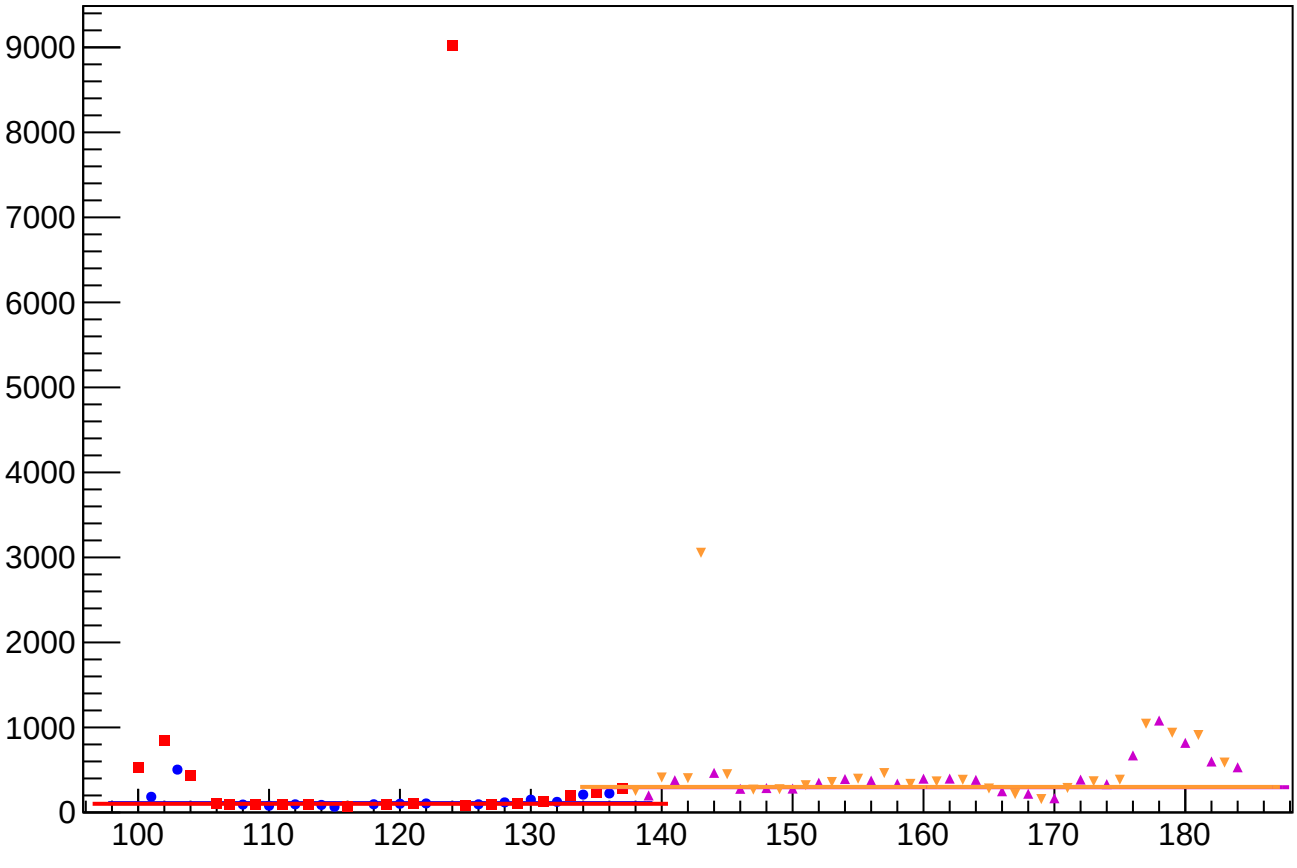
Left: 0.055+/-0.054 χ^2/NDF: 53.3/46

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.041+/-0.039 χ^2/NDF:33.3/38

Out: 0.010+/-0.038 χ^2/NDF:51.5/42

All: 0.025+/-0.027 χ^2/NDF: 85.1/81



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: 296.875+/-0.054 χ^2/NDF:4917907.0/22

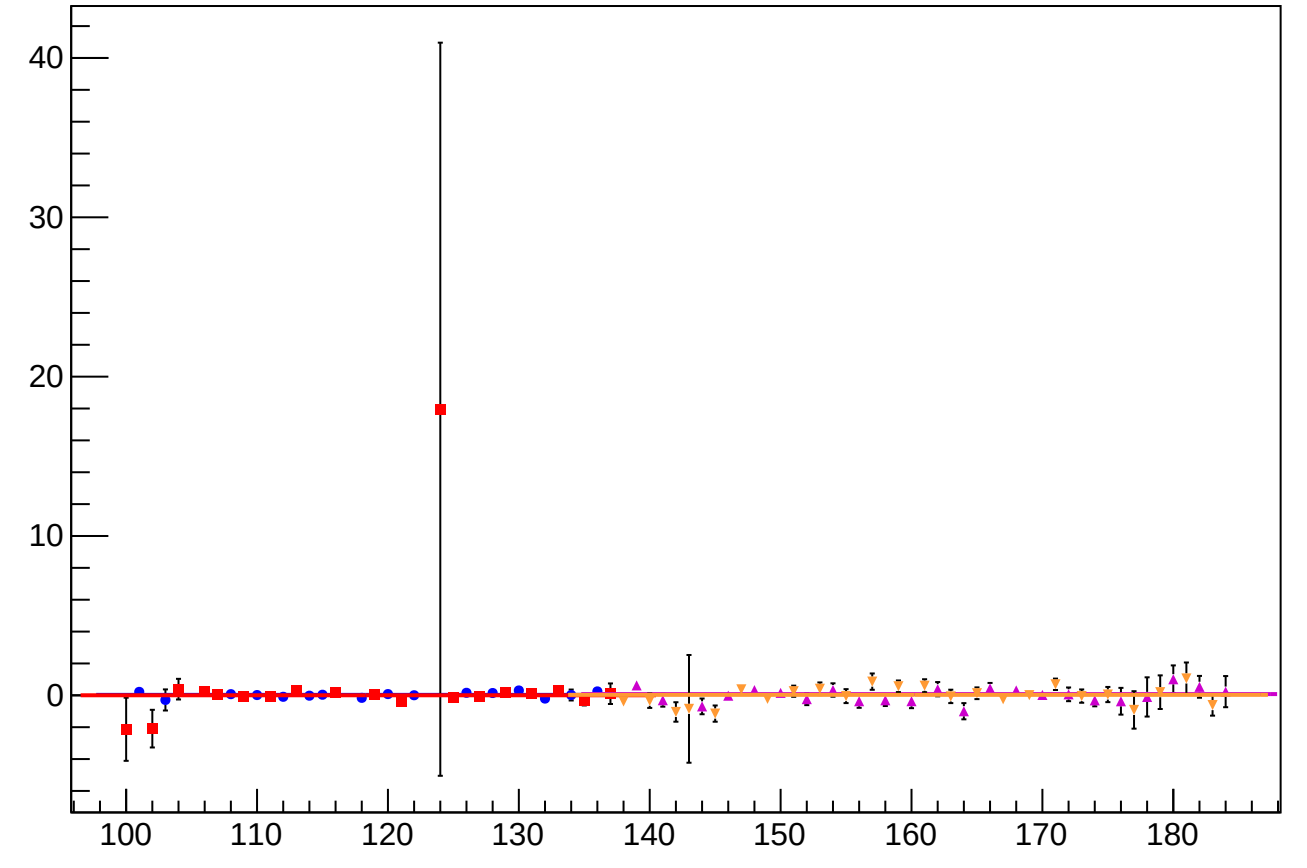
Left: 298.645+/-0.038 χ^2/NDF: 11513413.7/46

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 159.231+/-0.027 χ^2/NDF:15817339.1/38

Out: 149.563+/-0.027 χ^2/NDF:19259099.1/42

All: 154.262+/-0.019 χ^2/NDF: 35140002.2/81



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: 0.078+/-0.076 χ^2/NDF:24.1/22

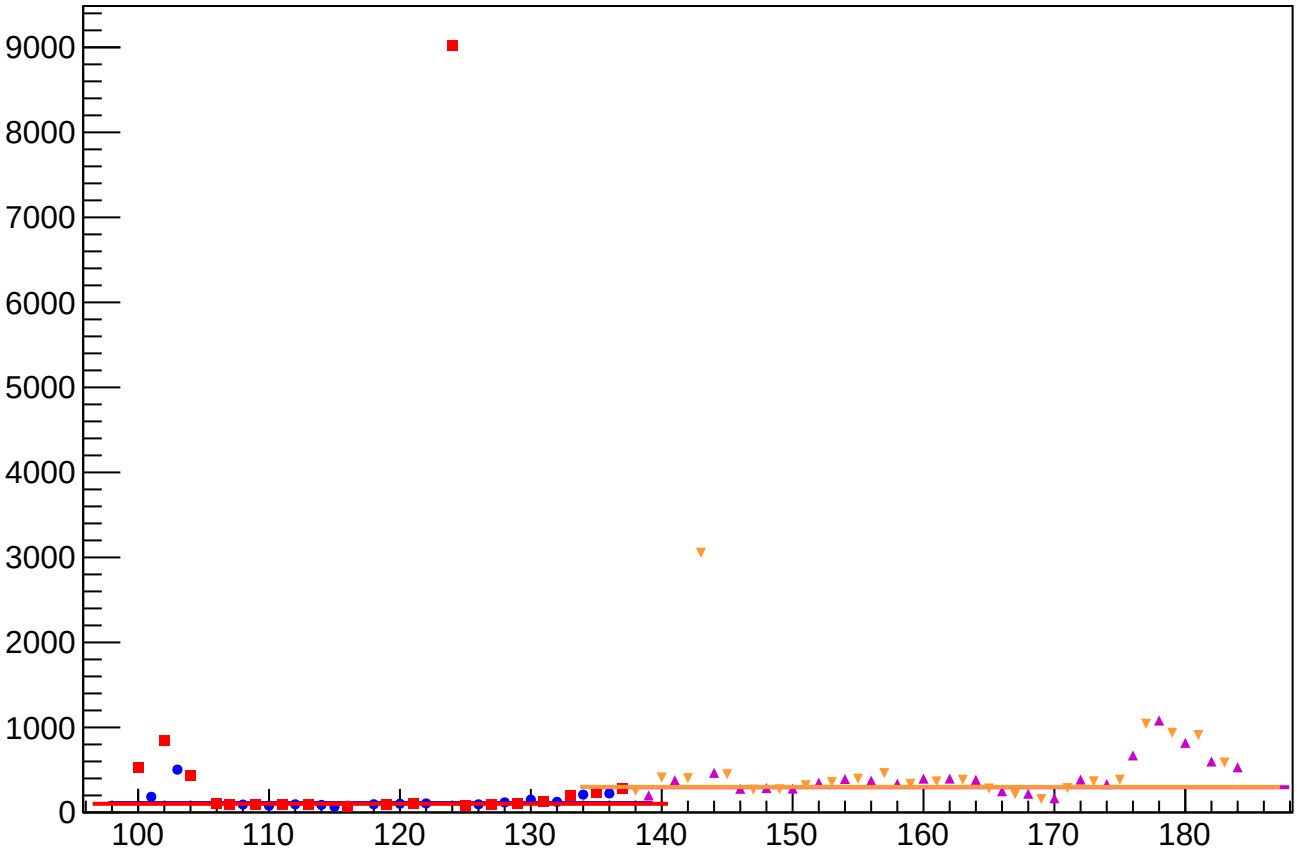
Left: 0.055+/-0.054 χ^2/NDF: 53.3/46

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.041+/-0.039 χ^2/NDF:33.3/38

Out: 0.010+/-0.038 χ^2/NDF:51.5/42

All: 0.025+/-0.027 χ^2/NDF: 85.1/81



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: 296.875+/-0.054 χ^2/NDF:4917907.0/22

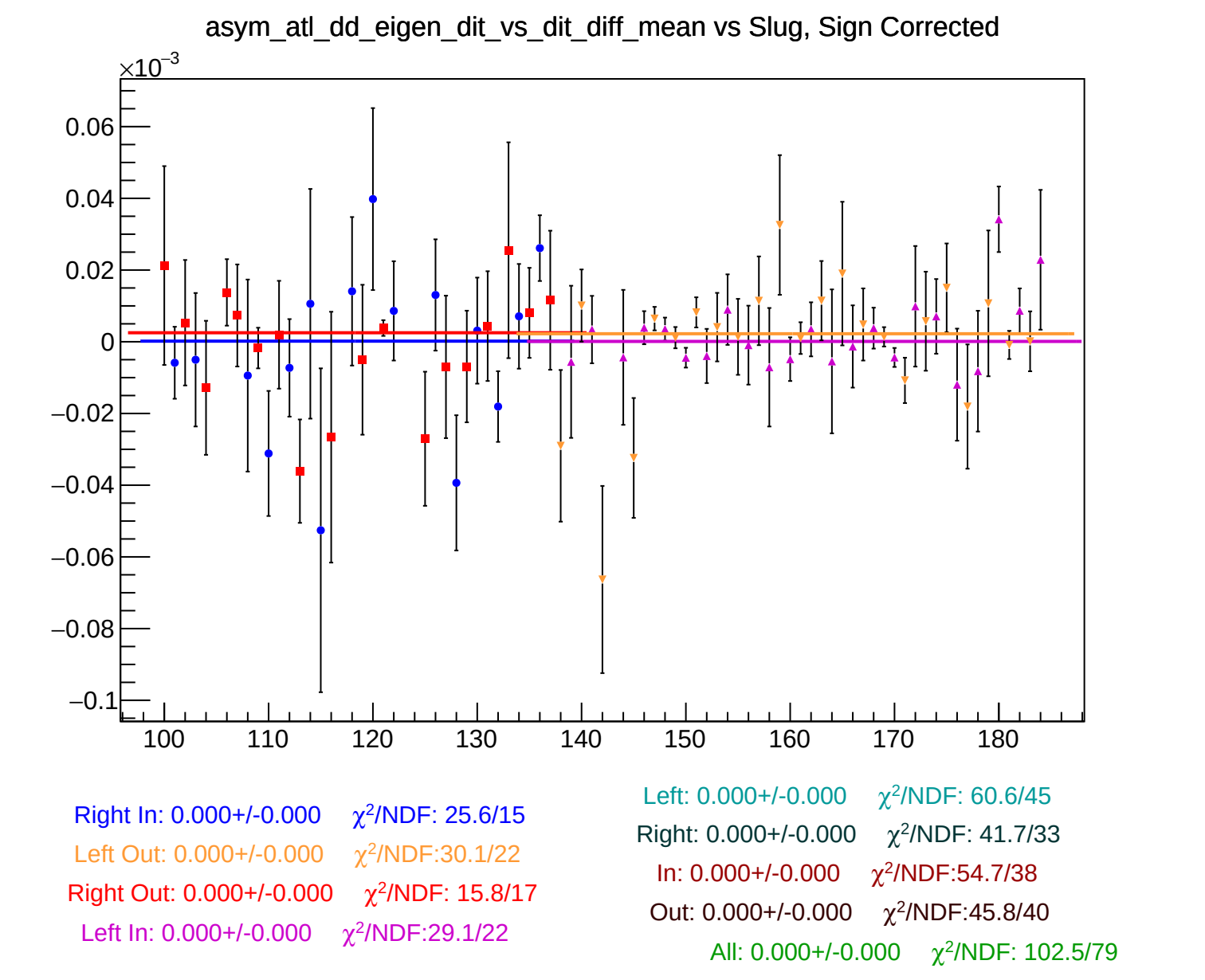
Left: 298.645+/-0.038 χ^2/NDF: 11513413.7/46

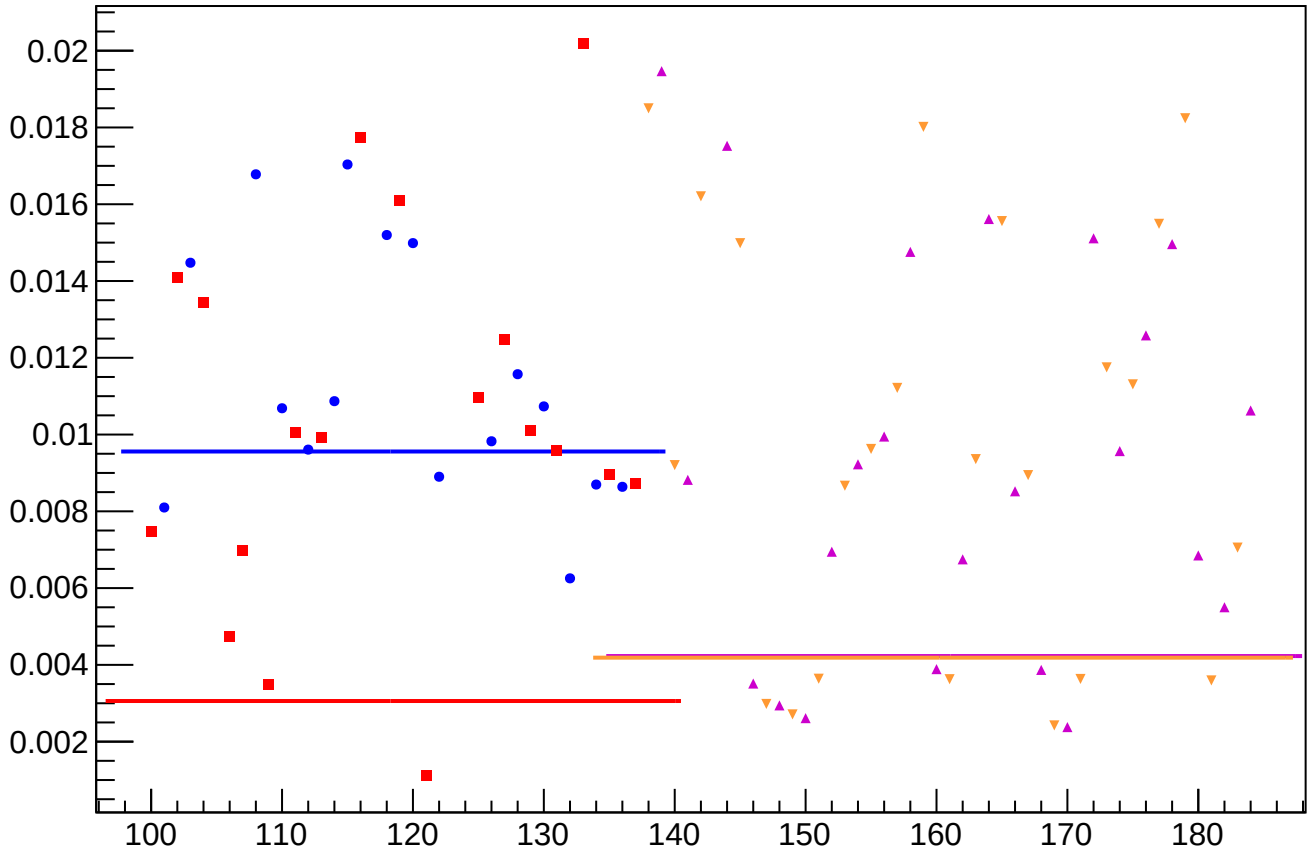
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

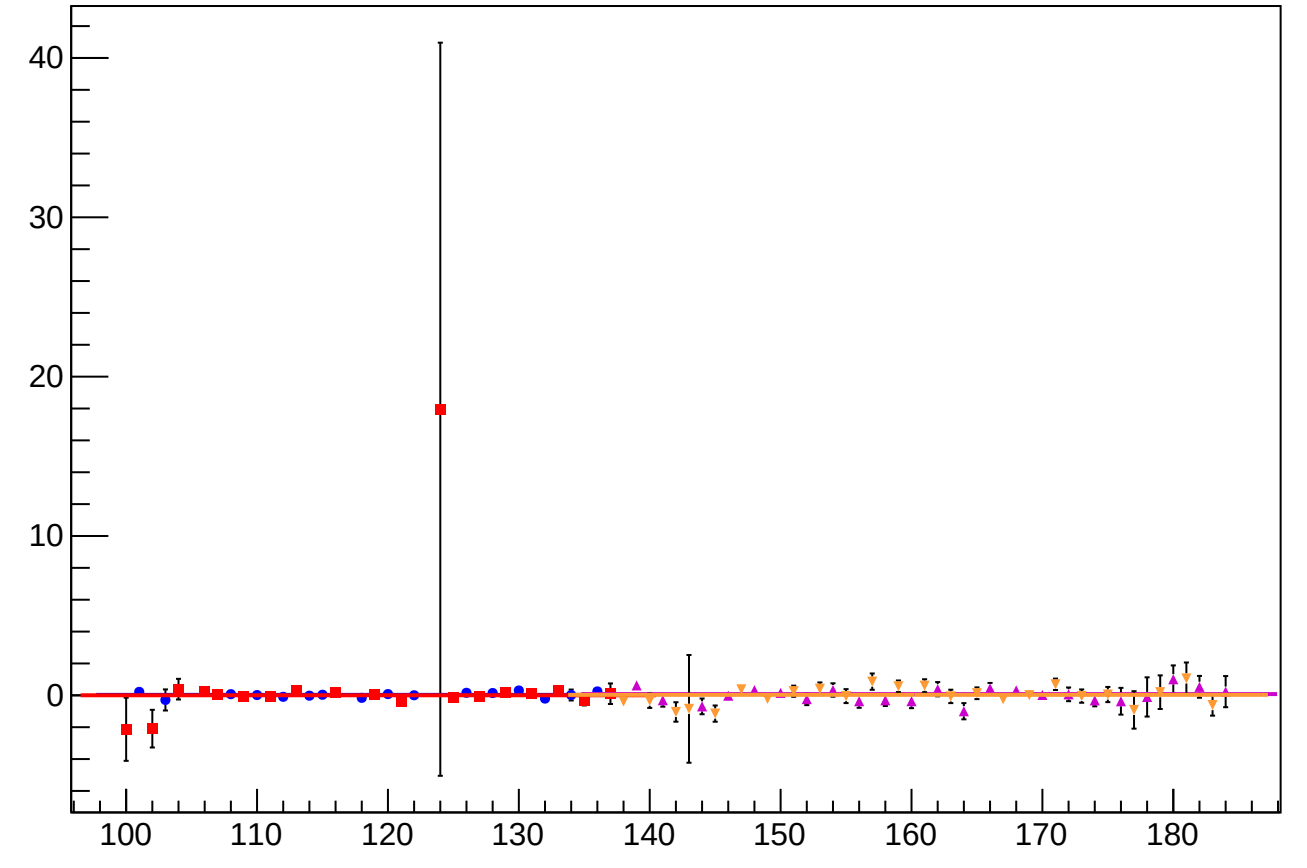
In: 159.231+/-0.027 χ^2/NDF:15817339.1/38

Out: 149.563+/-0.027 χ^2/NDF:19259099.1/42

All: 154.262+/-0.019 χ^2/NDF: 35140002.2/81


asym_atl_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: 25.6/15
Left Out: 0.000+/-0.000 χ²/NDF:30.1/22
Right Out: 0.000+/-0.000 χ²/NDF: 15.8/17
Left In: 0.000+/-0.000 χ²/NDF:29.1/22
Left: 0.000+/-0.000 χ²/NDF: 60.6/45
Right: 0.000+/-0.000 χ²/NDF: 41.7/33
In: 0.000+/-0.000 χ²/NDF:54.7/38
Out: 0.000+/-0.000 χ²/NDF:45.8/40
All: 0.000+/-0.000 χ²/NDF: 102.5/79


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.02
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: 0.010+/-0.000 χ²/NDF: 926018.8/15
Left Out: 0.004+/-0.000 χ²/NDF:11871607.4/22
Right Out: 0.003+/-0.000 χ²/NDF: 8122378.4/17
Left In: 0.004+/-0.000 χ²/NDF:11034220.9/22
Left: 0.004+/-0.000 χ²/NDF: 22906916.0/45
Right: 0.004+/-0.000 χ²/NDF: 13944710.4/33
In: 0.005+/-0.000 χ²/NDF:15618368.8/38
Out: 0.004+/-0.000 χ²/NDF:20513765.7/40
All: 0.004+/-0.000 χ²/NDF: 36858532.2/79



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: 0.078+/-0.076 χ^2/NDF:24.1/22

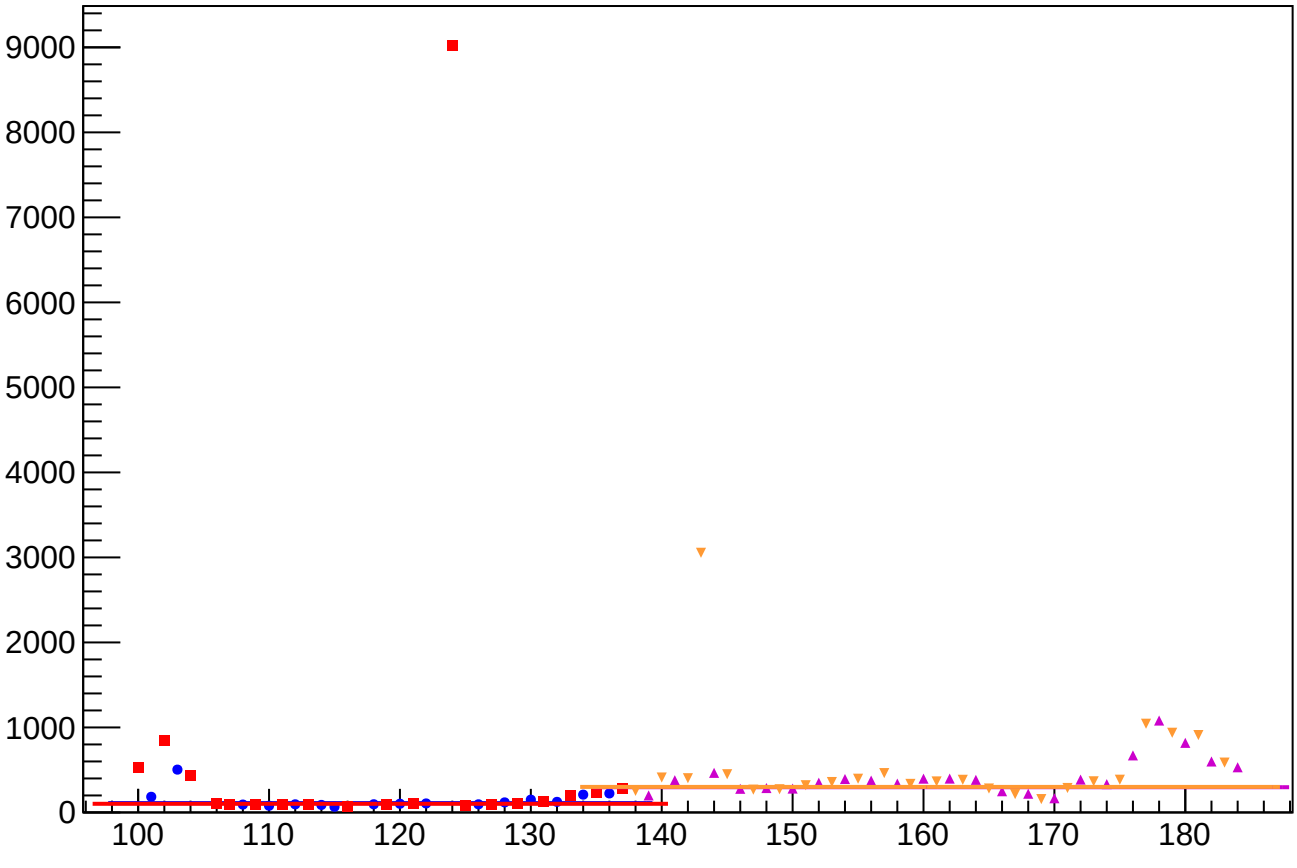
Left: 0.055+/-0.054 χ^2/NDF: 53.3/46

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.041+/-0.039 χ^2/NDF:33.3/38

Out: 0.010+/-0.038 χ^2/NDF:51.5/42

All: 0.025+/-0.027 χ^2/NDF: 85.1/81



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: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 298.647+/-0.038 χ^2/NDF: 11513425.9/46

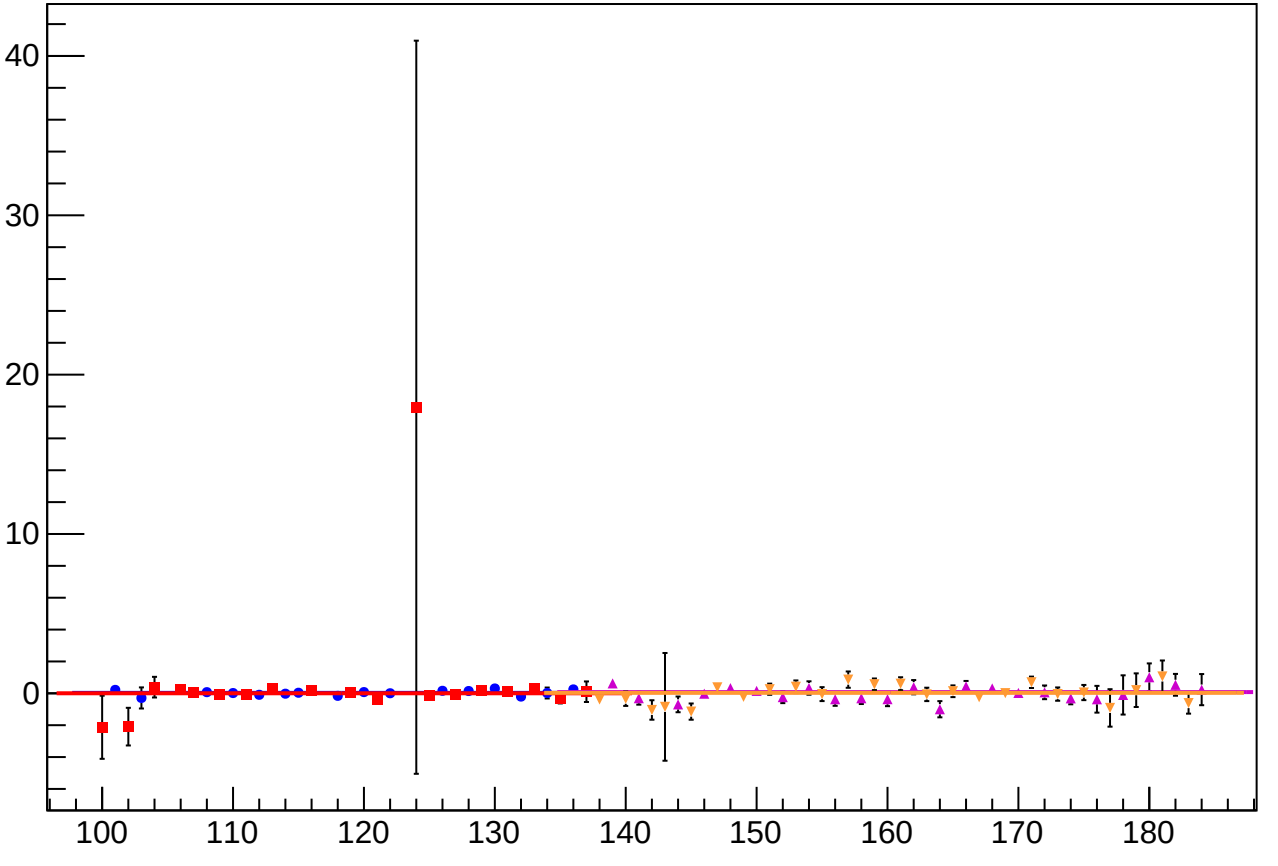
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 159.232+/-0.027 χ^2/NDF:15817283.7/38

Out: 149.565+/-0.027 χ^2/NDF:19258973.4/42

All: 154.263+/-0.019 χ^2/NDF: 35139815.7/81

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.032+/-0.077 χ^2/NDF:29.0/23

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.055+/-0.054 χ^2/NDF: 53.3/46

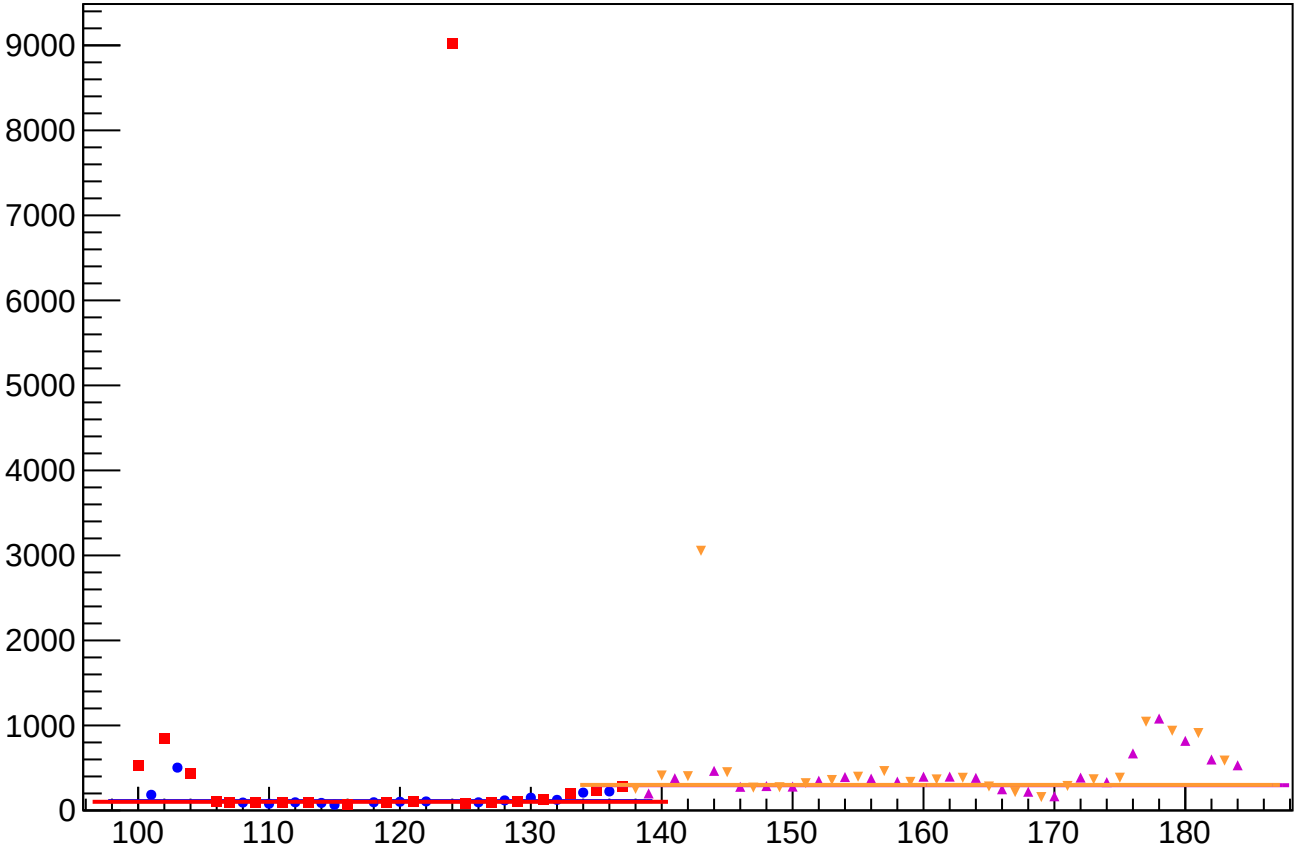
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.041+/-0.039 χ^2/NDF:33.3/38

Out: 0.010+/-0.038 χ^2/NDF:51.5/42

All: 0.025+/-0.027 χ^2/NDF: 85.1/81

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: 296.878+/-0.054 χ^2/NDF:4917864.1/22

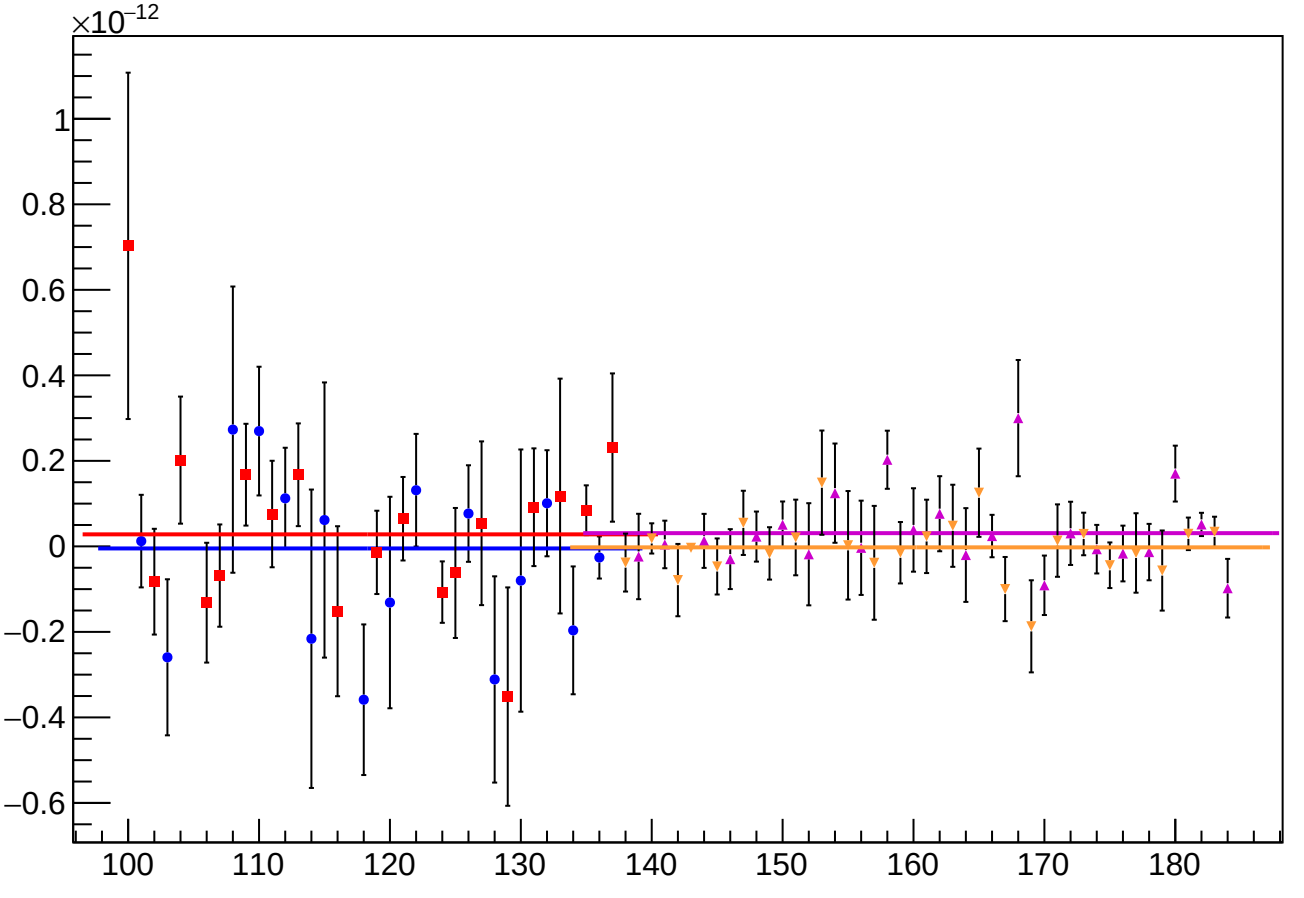
Left: 298.647+/-0.038 χ^2/NDF: 11513425.9/46

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 159.232+/-0.027 χ^2/NDF:15817283.7/38

Out: 149.565+/-0.027 χ^2/NDF:19258973.4/42

All: 154.263+/-0.019 χ^2/NDF: 35139815.7/81



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:26.4/22

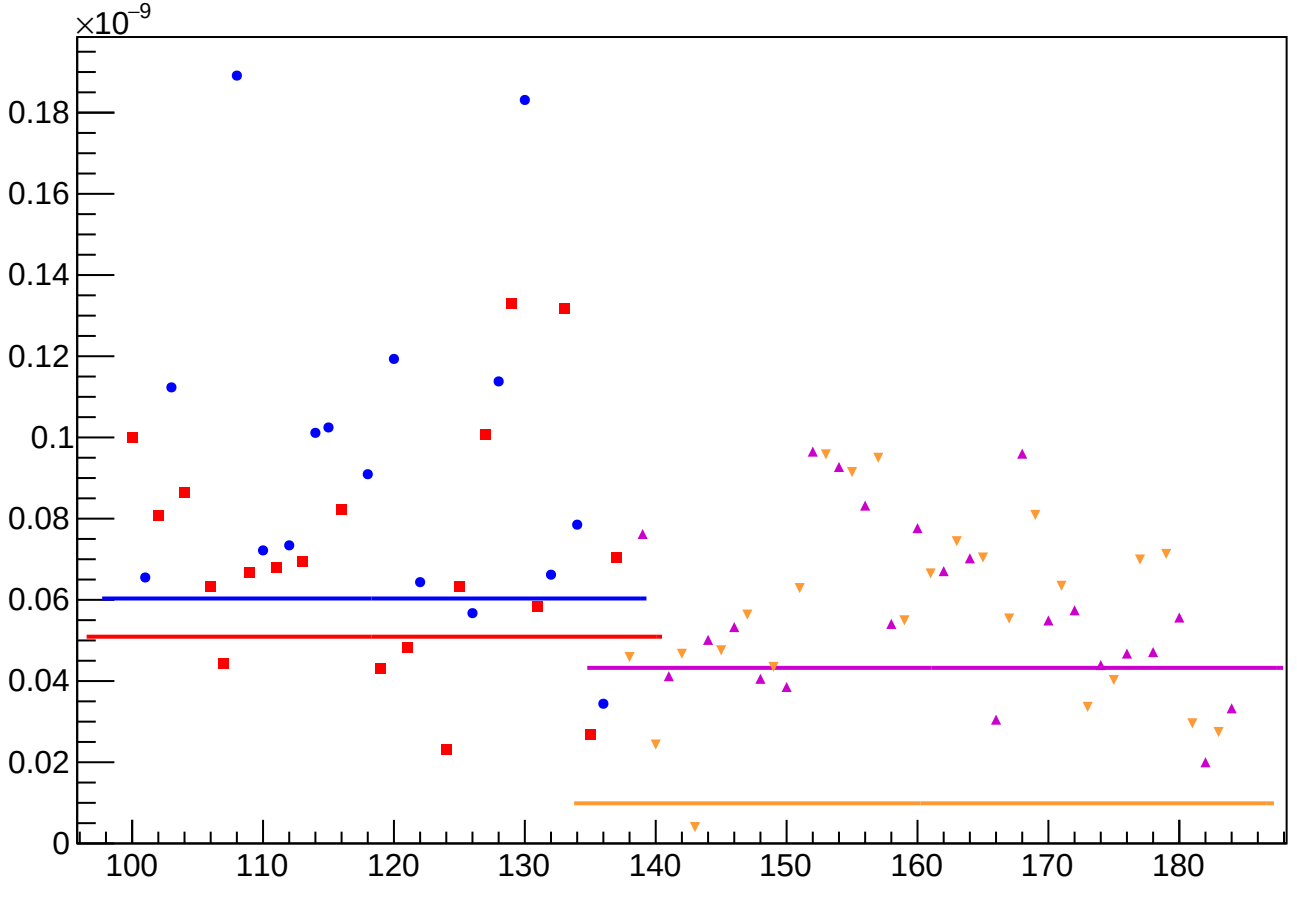
Left: 0.000+/-0.000 χ^2/NDF: 45.8/46

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:44.9/38

Out: -0.000+/-0.000 χ^2/NDF:34.8/42

All: 0.000+/-0.000 χ^2/NDF: 83.9/81



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:4049081.0/22

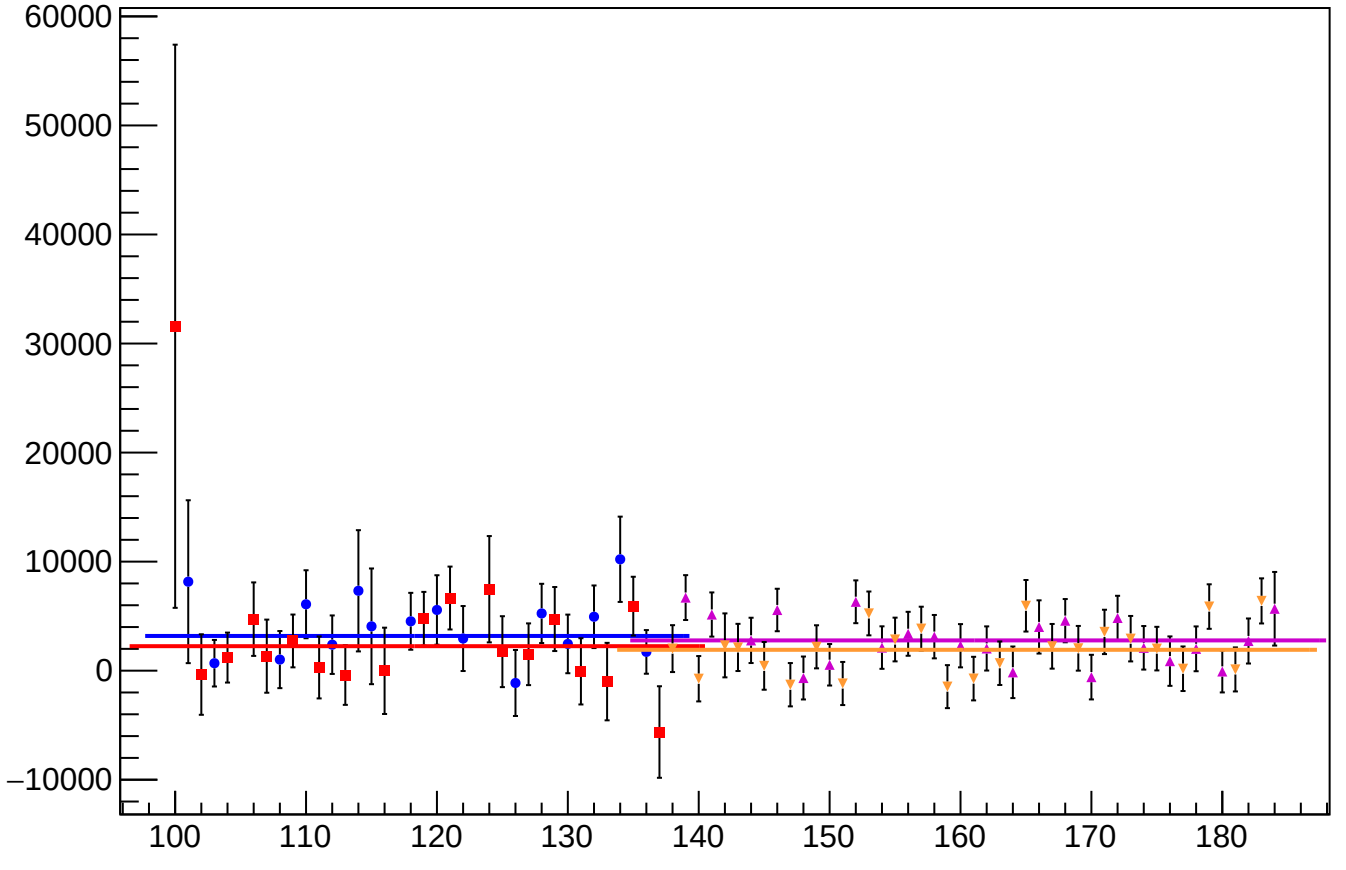
Left: 0.000+/-0.000 χ^2/NDF: 33359139.8/46

Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:6288335.4/38

Out: 0.000+/-0.000 χ^2/NDF:24375397.8/42

All: 0.000+/-0.000 χ^2/NDF: 44197367.2/81



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: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2336.599+/-301.826 χ^2/NDF: 57.5/46

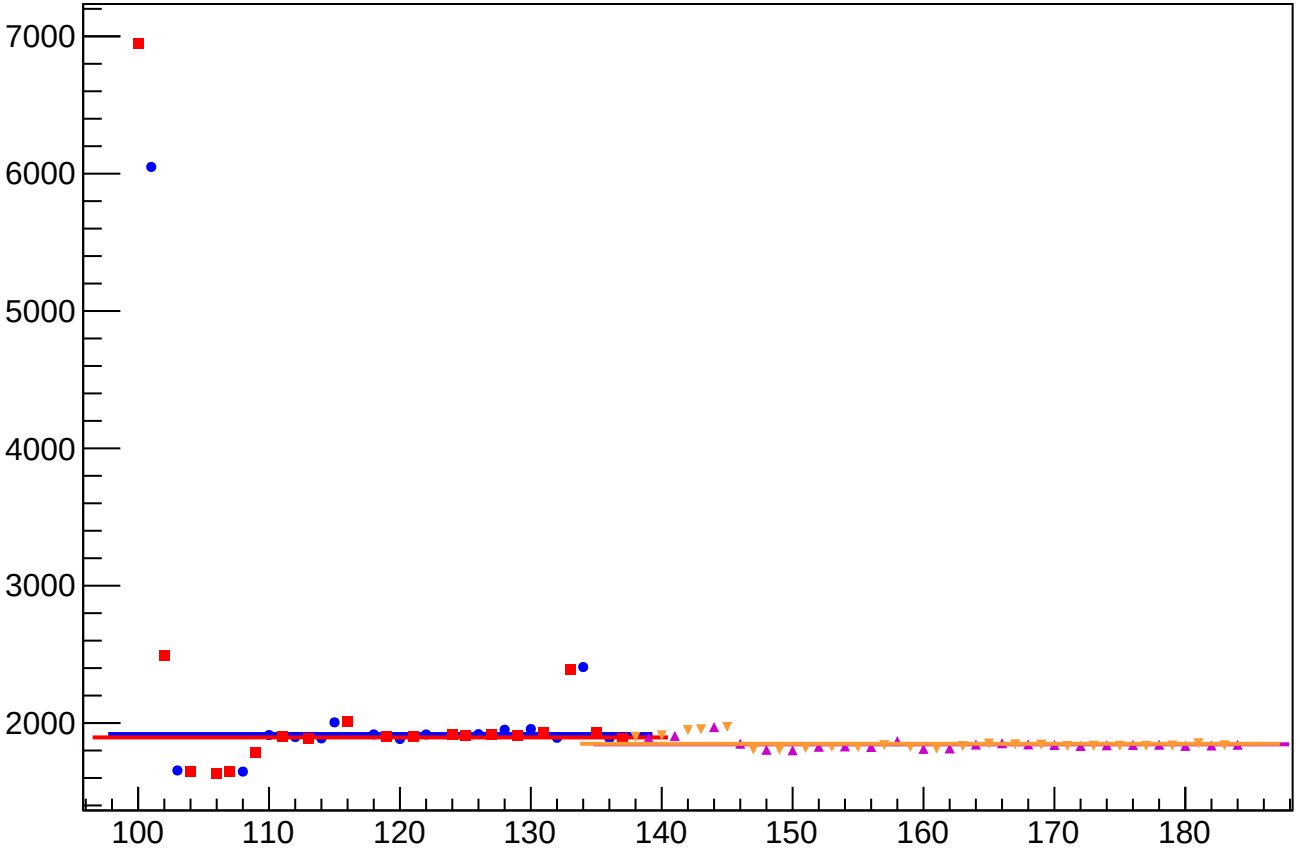
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 2880.924+/-371.206 χ^2/NDF:37.4/38

Out: 2000.401+/-363.475 χ^2/NDF:46.6/42

All: 2431.398+/-259.706 χ^2/NDF: 86.9/81

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: 1845.061+/-0.305 χ^2/NDF:14026.0/22

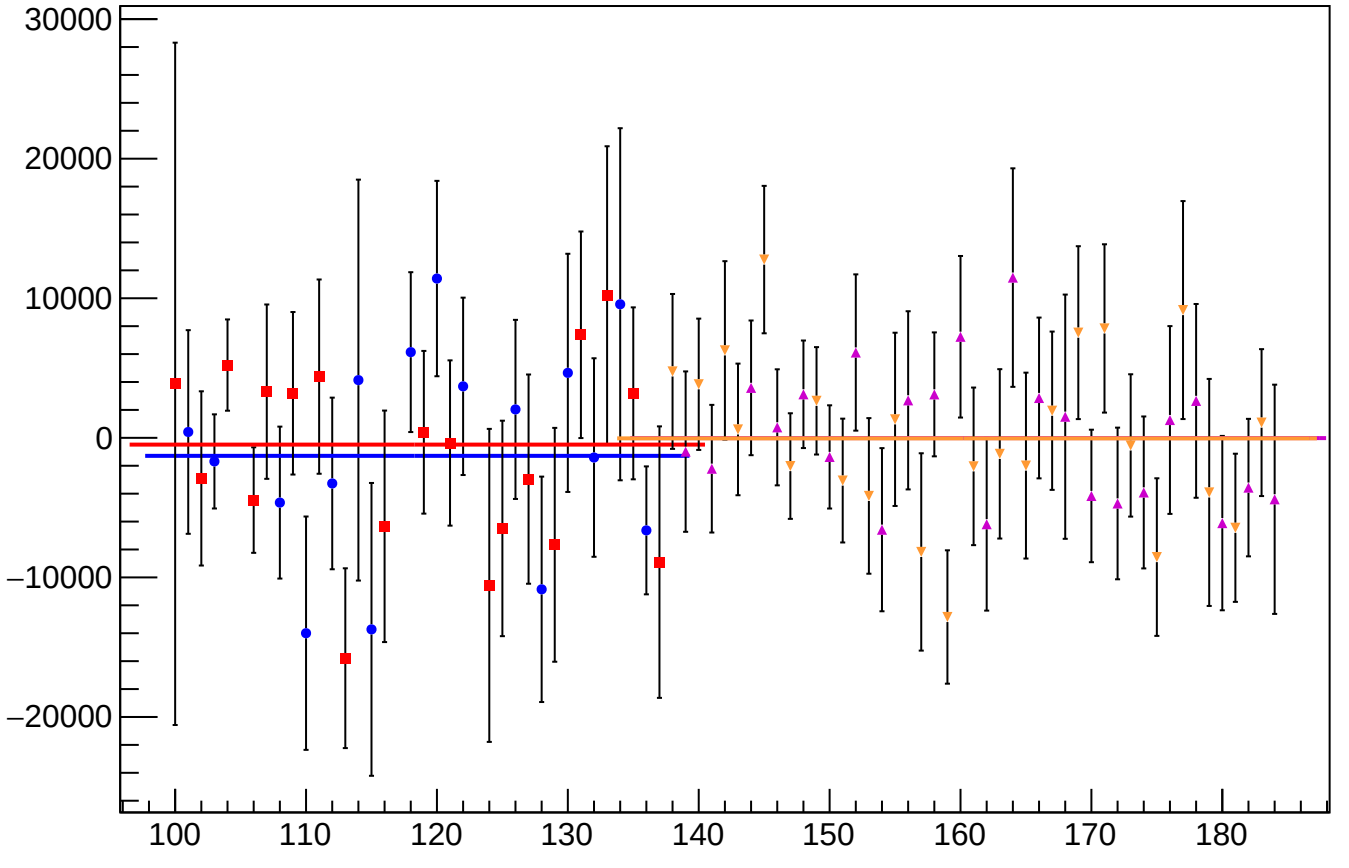
Left: 1847.017+/-0.213 χ^2/NDF: 34876.7/46

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1864.333+/-0.262 χ^2/NDF:726880.9/38

Out: 1861.109+/-0.257 χ^2/NDF:249385.0/42

All: 1862.686+/-0.184 χ^2/NDF: 976343.0/81



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: -19.391+/-1112.574 χ^2/NDF:13.7/22

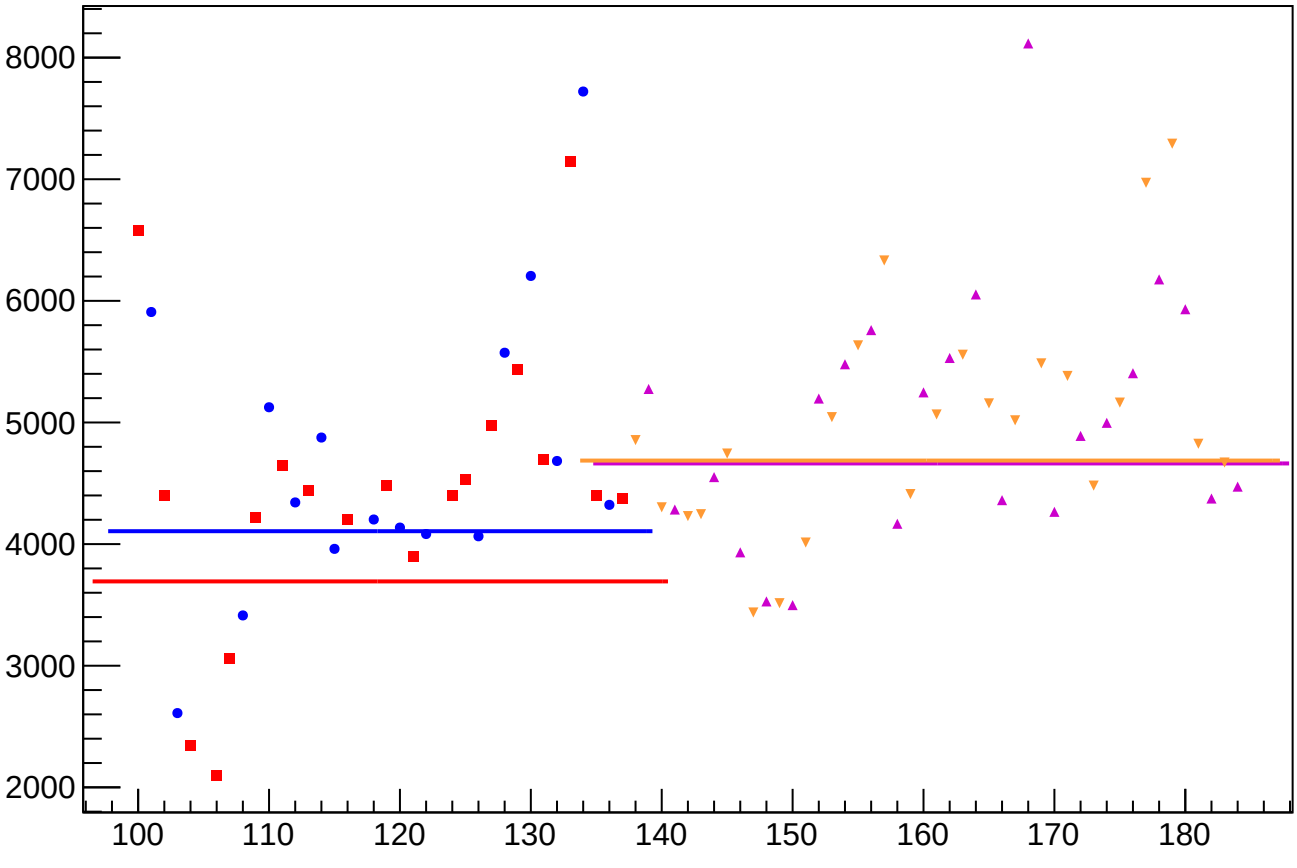
Left: -29.125+/-780.925 χ^2/NDF: 41.3/46

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -438.805+/-910.707 χ^2/NDF:28.4/38

Out: -202.846+/-871.761 χ^2/NDF:44.9/42

All: -315.673+/-629.747 χ^2/NDF: 73.4/81



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: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

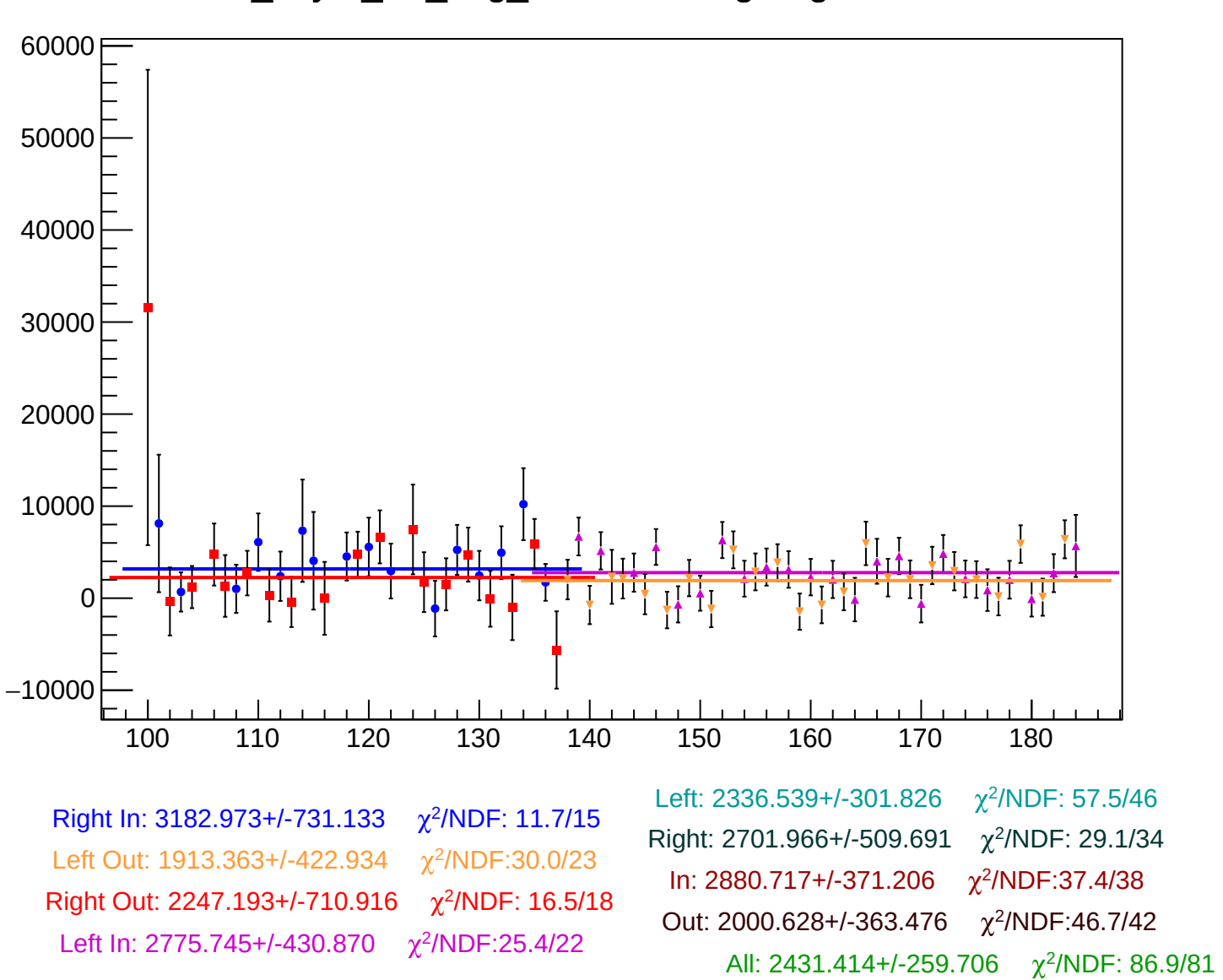
Left: 4675.199+/-0.552 χ^2/NDF: 2472221.4/46

Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

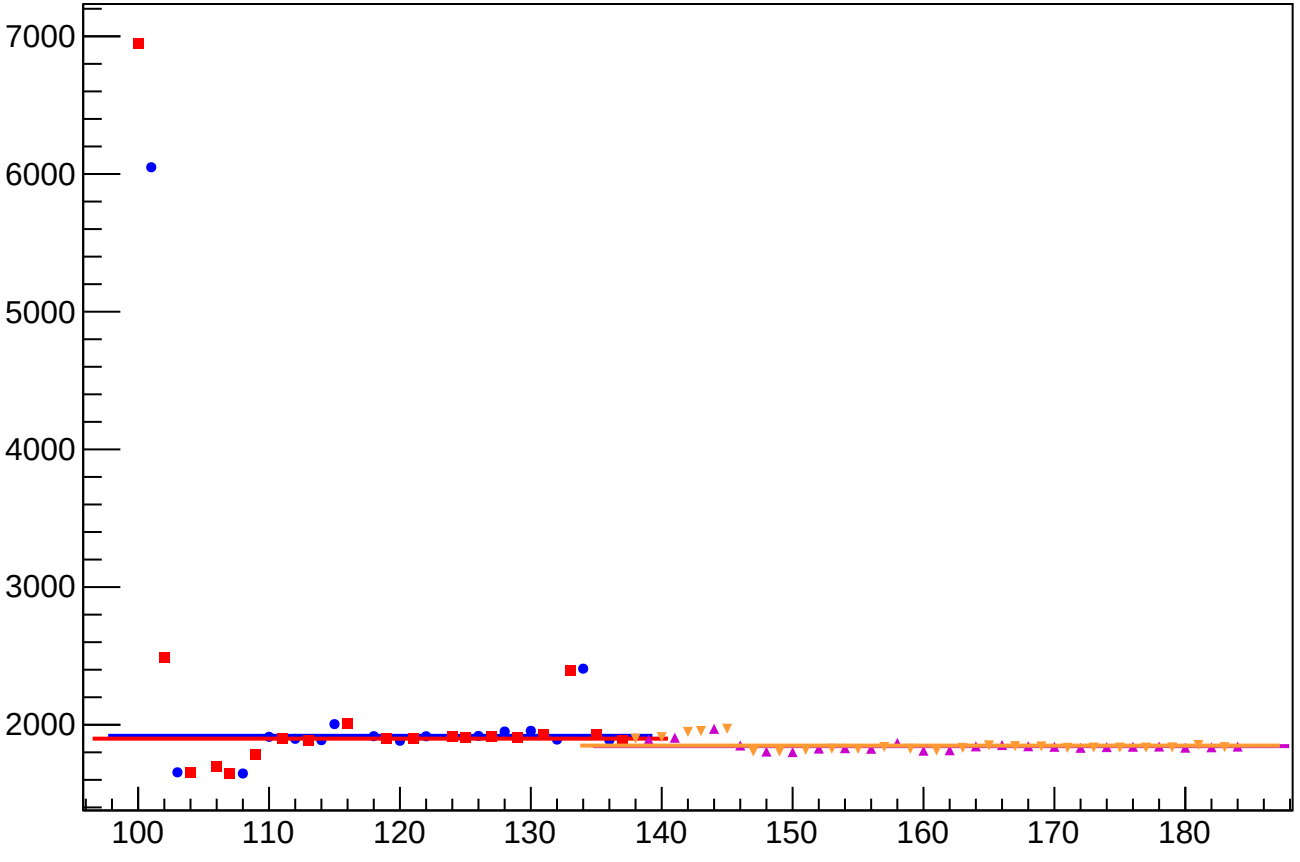
In: 4479.441+/-0.644 χ^2/NDF:2408338.0/38

Out: 4321.377+/-0.616 χ^2/NDF:3145698.6/42

All: 4396.957+/-0.445 χ^2/NDF: 5585475.9/81


cor_asym_atr_avg_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: 3182.973+/-731.133 χ²/NDF: 11.7/15
Left Out: 1913.363+/-422.934 χ²/NDF:30.0/23
Right Out: 2247.193+/-710.916 χ²/NDF: 16.5/18
Left In: 2775.745+/-430.870 χ²/NDF:25.4/22
Left: 2336.539+/-301.826 χ²/NDF: 57.5/46
Right: 2701.966+/-509.691 χ²/NDF: 29.1/34
In: 2880.717+/-371.206 χ²/NDF:37.4/38
Out: 2000.628+/-363.476 χ²/NDF:46.7/42
All: 2431.414+/-259.706 χ²/NDF: 86.9/81

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: 1845.061+/-0.305 χ^2/NDF:14026.0/22

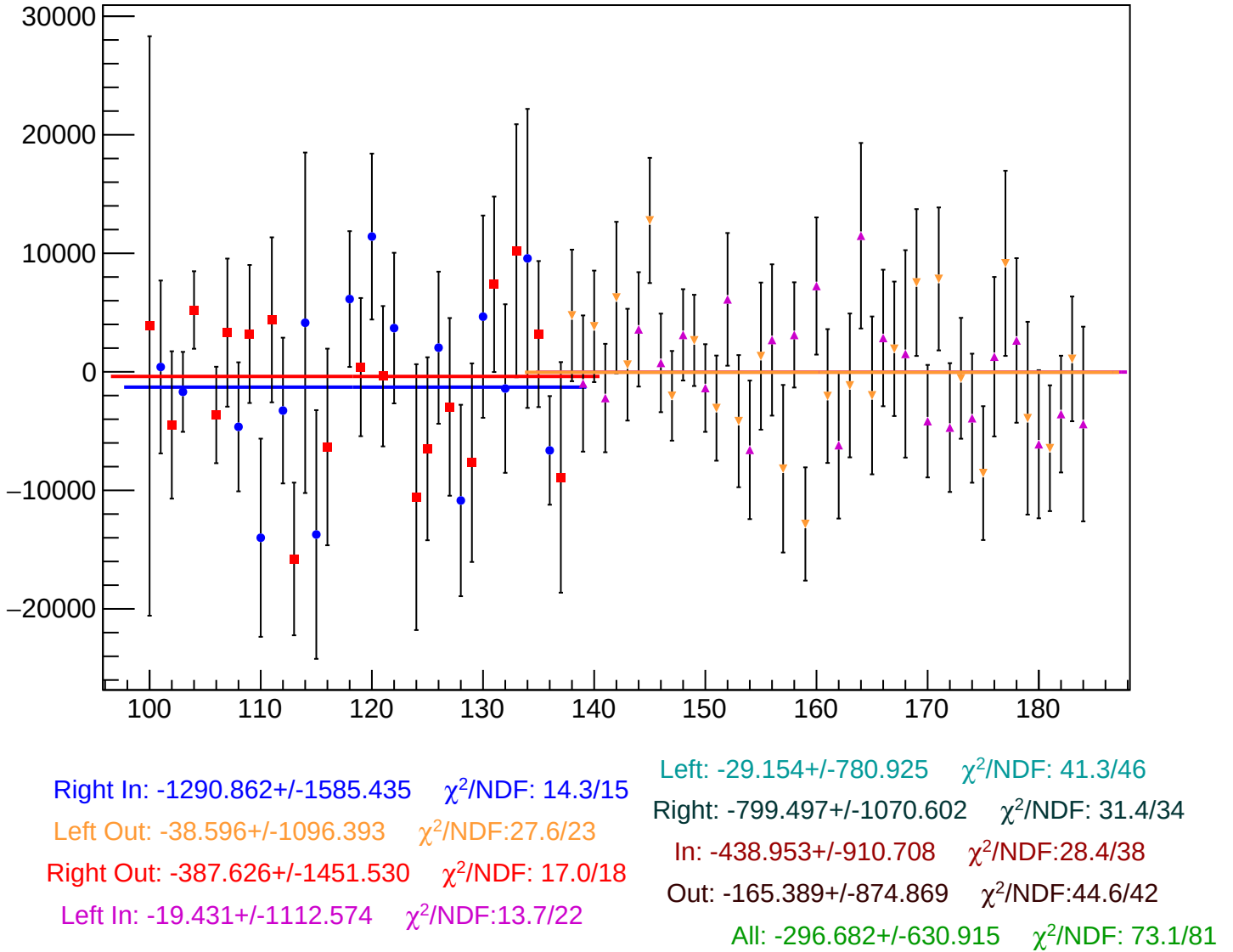
Left: 1847.017+/-0.213 χ^2/NDF: 34876.7/46

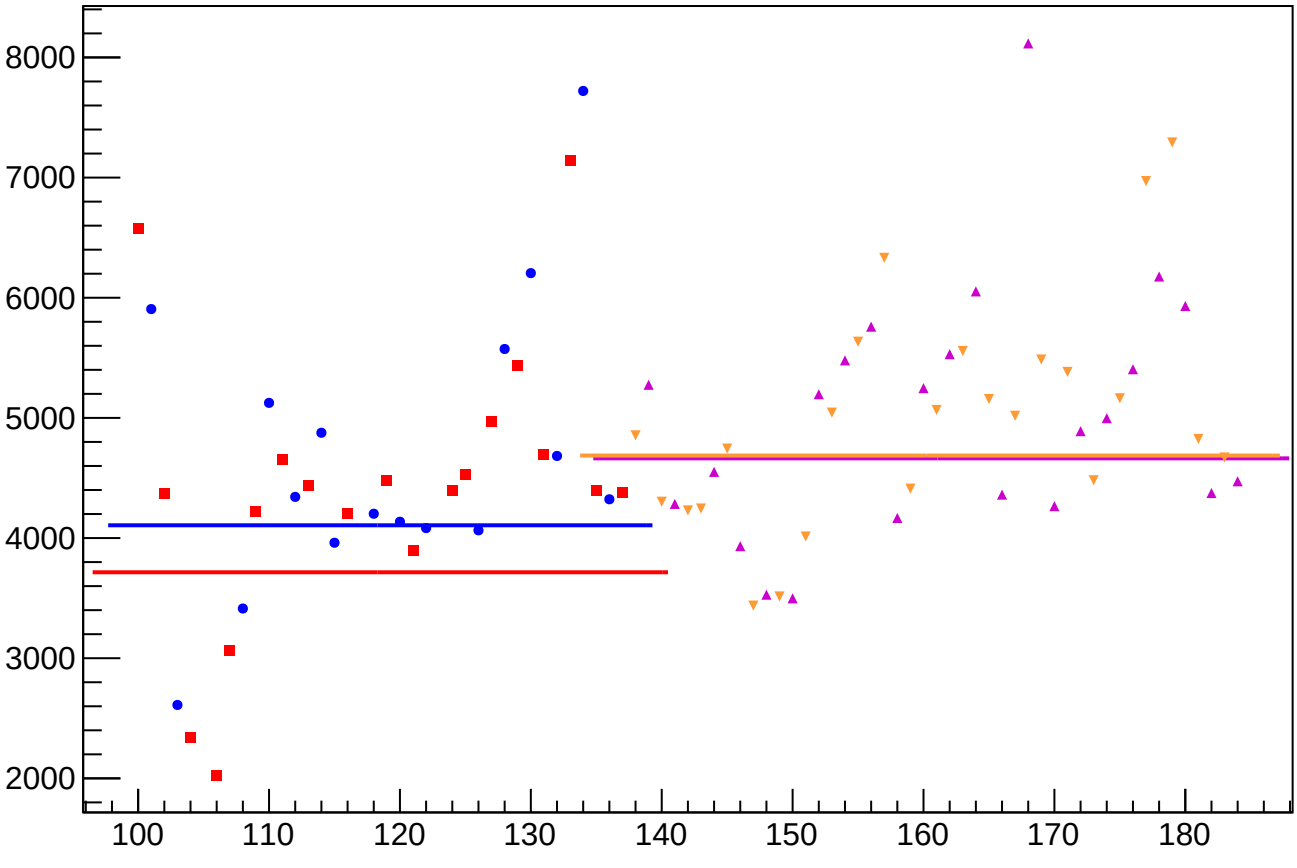
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1864.334+/-0.262 χ^2/NDF:726880.2/38

Out: 1862.124+/-0.257 χ^2/NDF:243884.0/42

All: 1863.205+/-0.184 χ^2/NDF: 970800.4/81


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: -19.431+/-1112.574 χ²/NDF:13.7/22
Left: -29.154+/-780.925 χ²/NDF: 41.3/46
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -438.953+/-910.708 χ²/NDF:28.4/38
Out: -165.389+/-874.869 χ²/NDF:44.6/42
All: -296.682+/-630.915 χ²/NDF: 73.1/81



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: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

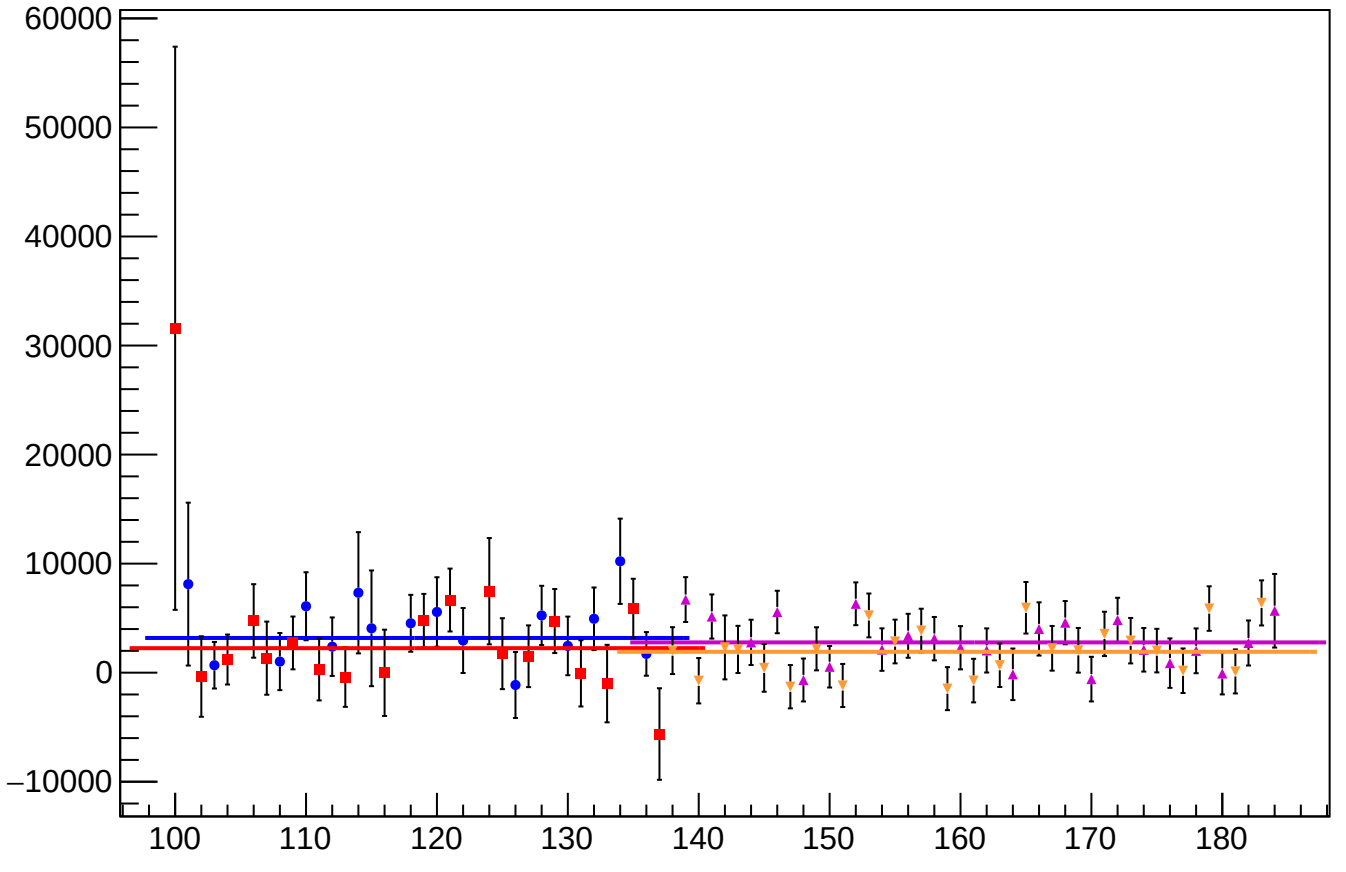
Left: 4675.196+/-0.552 χ^2/NDF: 2472242.9/46

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4479.473+/-0.644 χ^2/NDF:2407780.7/38

Out: 4333.828+/-0.619 χ^2/NDF:3090701.2/42

All: 4403.728+/-0.446 χ^2/NDF: 5525083.9/81



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: 2775.745+/-430.870 χ^2/NDF:25.4/22

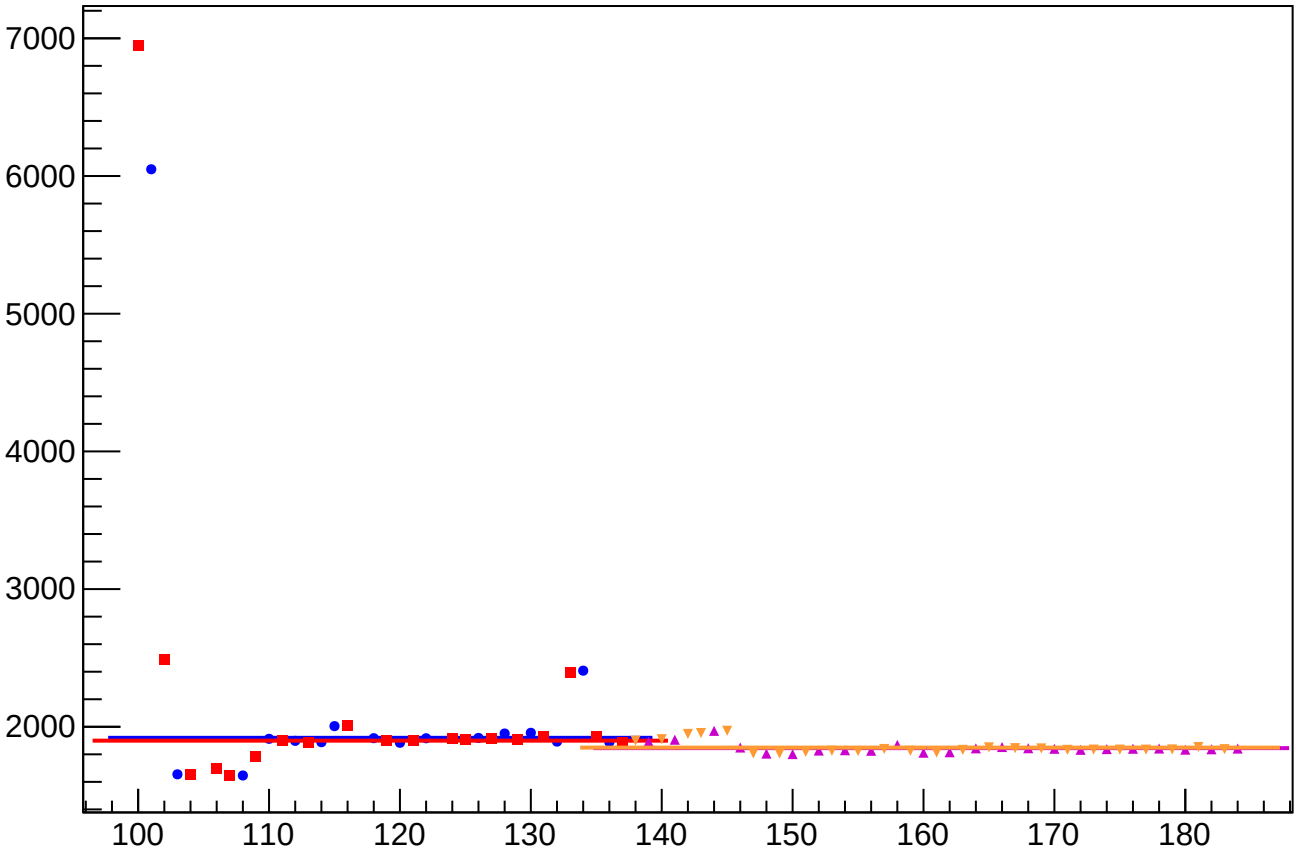
Left: 2336.539+/-301.826 χ^2/NDF: 57.5/46

Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 2880.717+/-371.206 χ^2/NDF:37.4/38

Out: 2000.628+/-363.476 χ^2/NDF:46.7/42

All: 2431.414+/-259.706 χ^2/NDF: 86.9/81



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: 1845.061+/-0.305 χ^2/NDF:14026.0/22

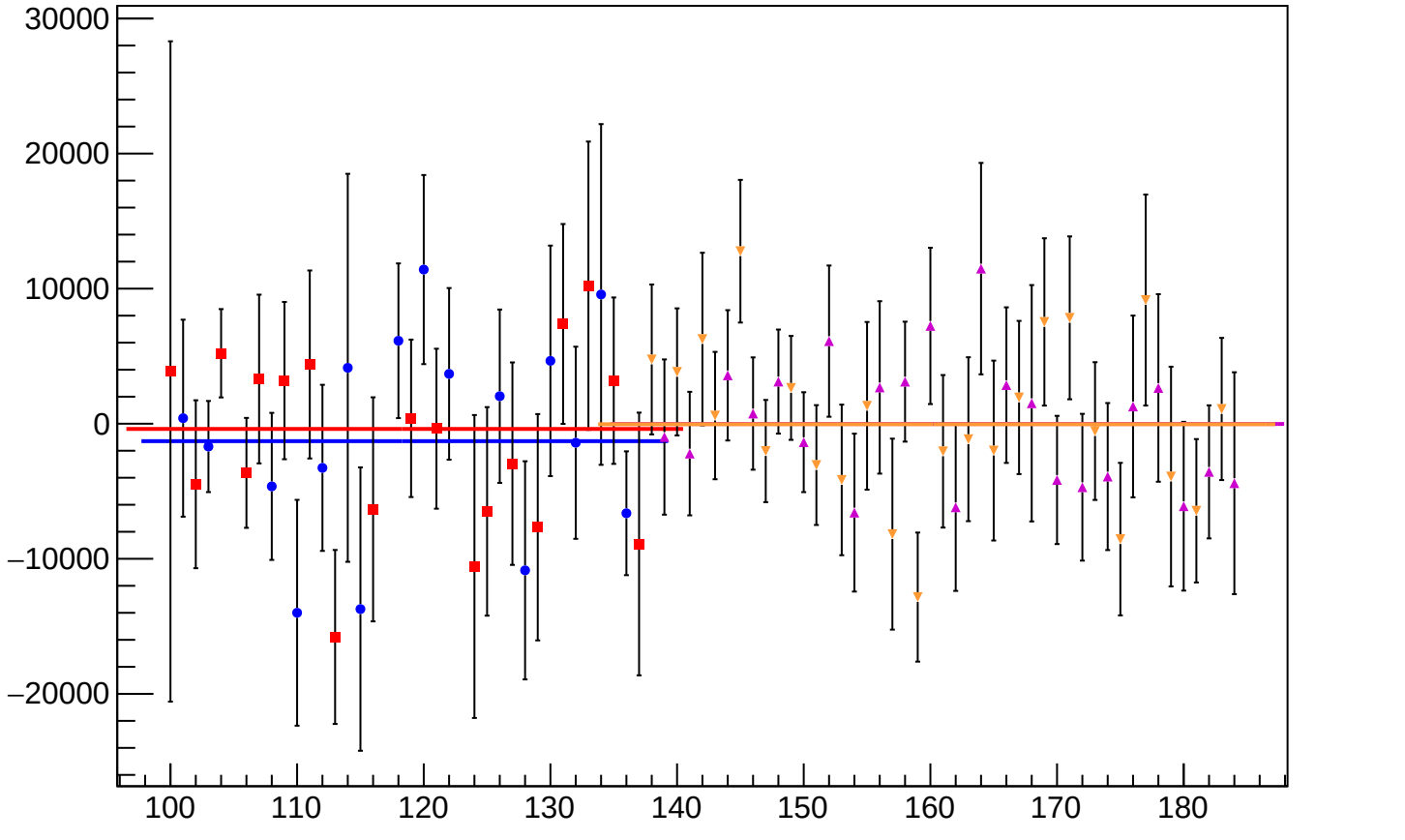
Left: 1847.017+/-0.213 χ^2/NDF: 34876.7/46

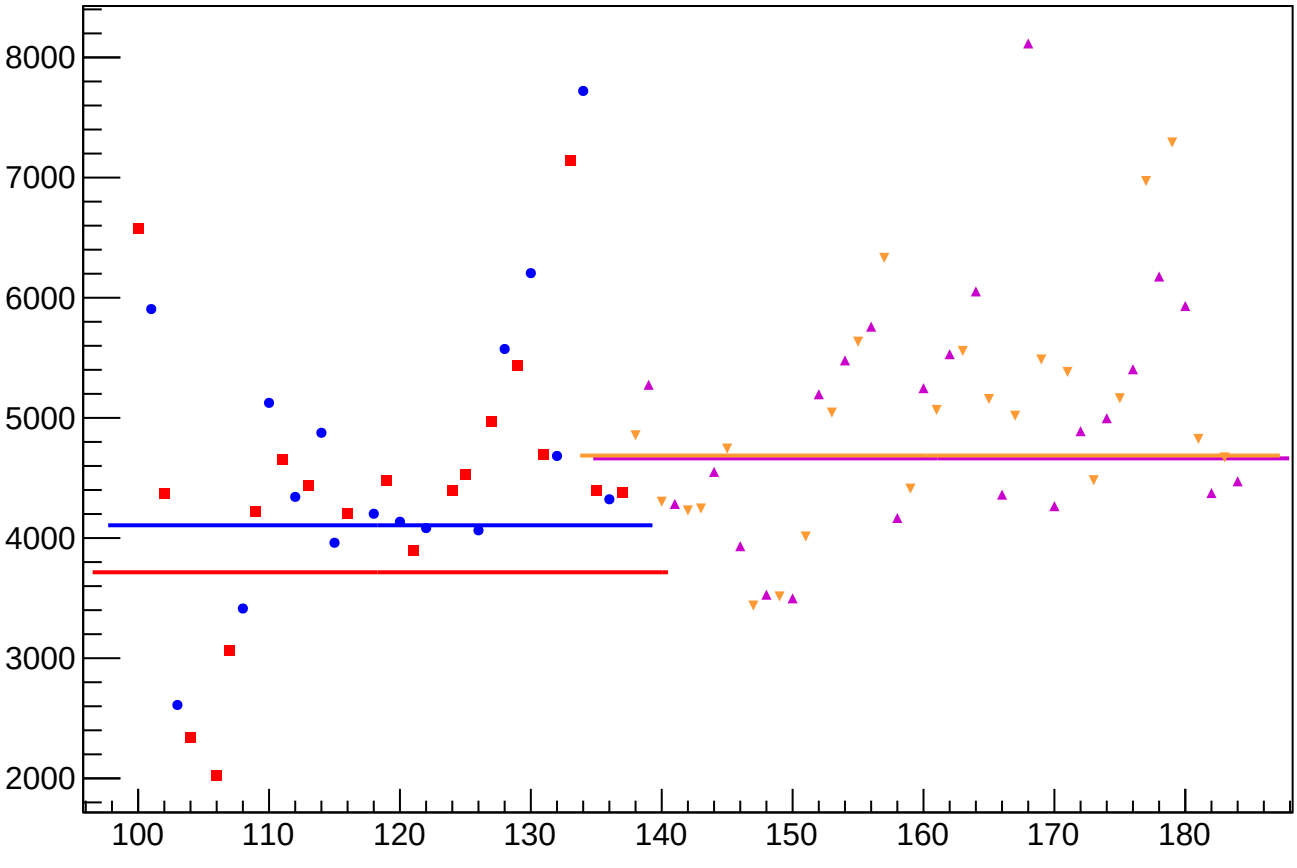
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1864.334+/-0.262 χ^2/NDF:726880.2/38

Out: 1862.124+/-0.257 χ^2/NDF:243884.0/42

All: 1863.205+/-0.184 χ^2/NDF: 970800.4/81


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: -38.596+/-1096.393 χ²/NDF:27.6/23
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: -19.431+/-1112.574 χ²/NDF:13.7/22
Left: -29.154+/-780.925 χ²/NDF: 41.3/46
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -438.953+/-910.708 χ²/NDF:28.4/38
Out: -165.389+/-874.869 χ²/NDF:44.6/42
All: -296.682+/-630.915 χ²/NDF: 73.1/81



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: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

Left: 4675.196+/-0.552 χ^2/NDF: 2472242.9/46

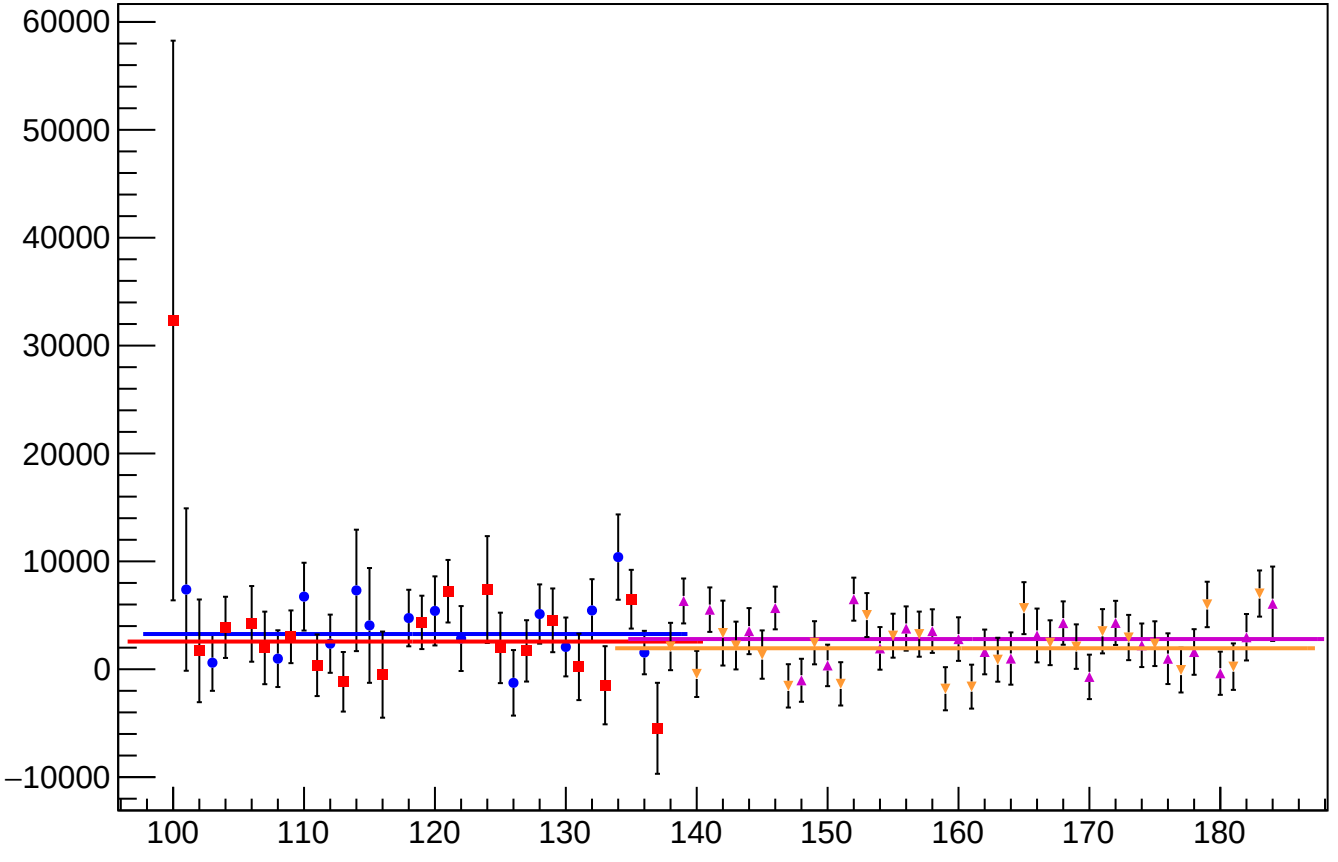
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4479.473+/-0.644 χ^2/NDF:2407780.7/38

Out: 4333.828+/-0.619 χ^2/NDF:3090701.2/42

All: 4403.728+/-0.446 χ^2/NDF: 5525083.9/81

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: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2364.580+/-308.011 χ^2/NDF: 58.7/46

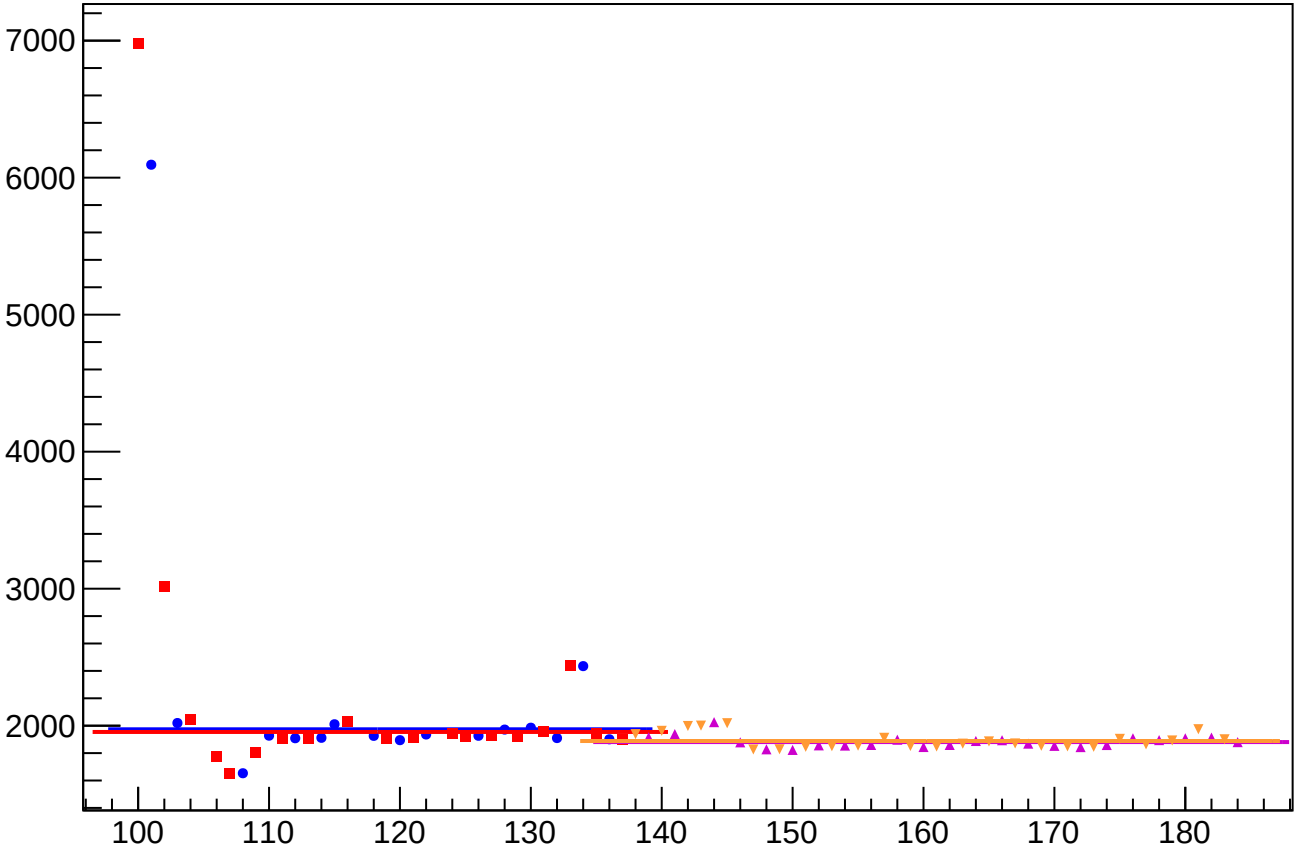
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 2917.293+/-379.131 χ^2/NDF:37.9/38

Out: 2104.550+/-372.445 χ^2/NDF:48.9/42

All: 2503.692+/-265.690 χ^2/NDF: 89.2/81

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: 1880.575+/-0.311 χ^2/NDF:19037.6/22

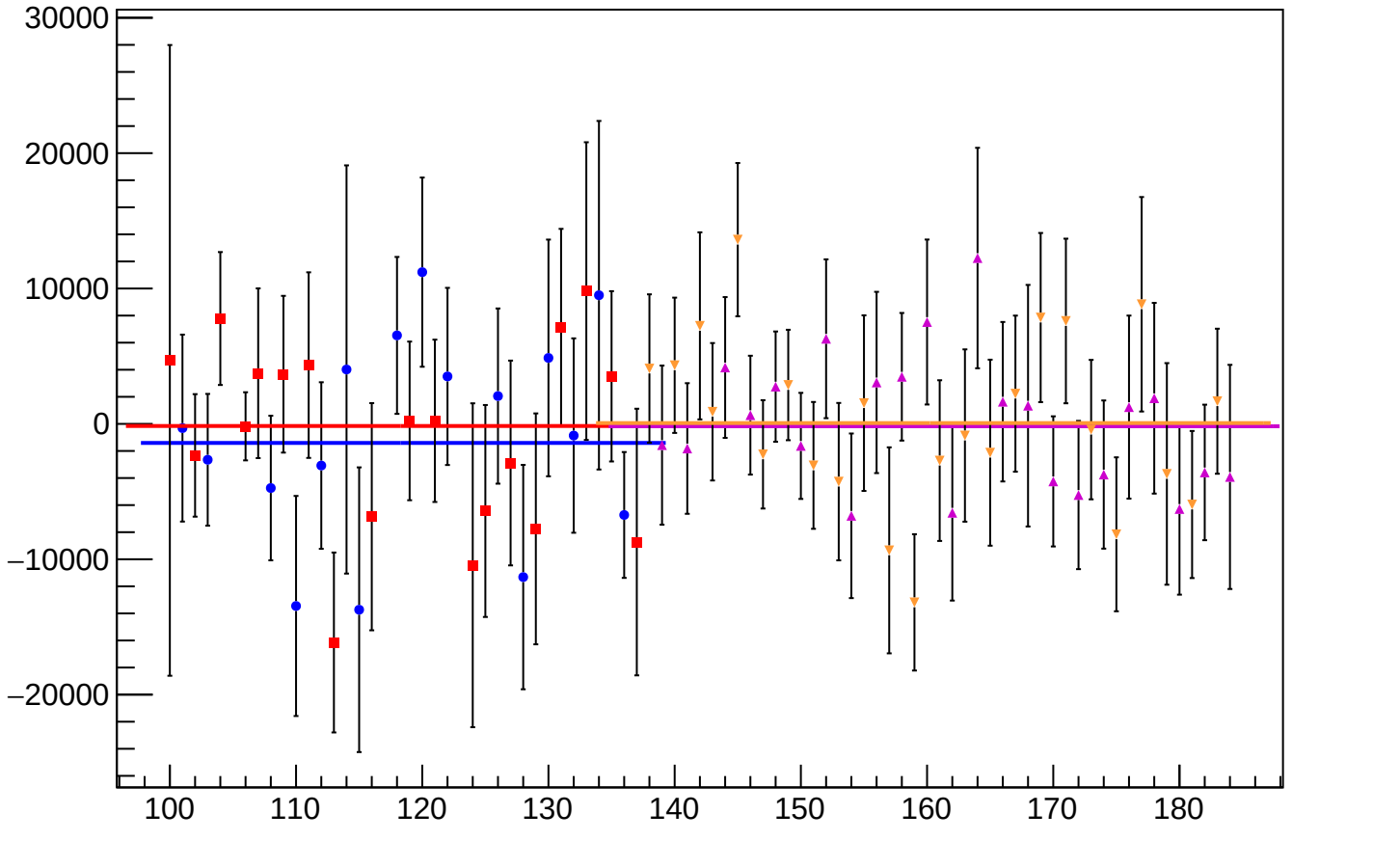
Left: 1884.474+/-0.218 χ^2/NDF: 50930.8/46

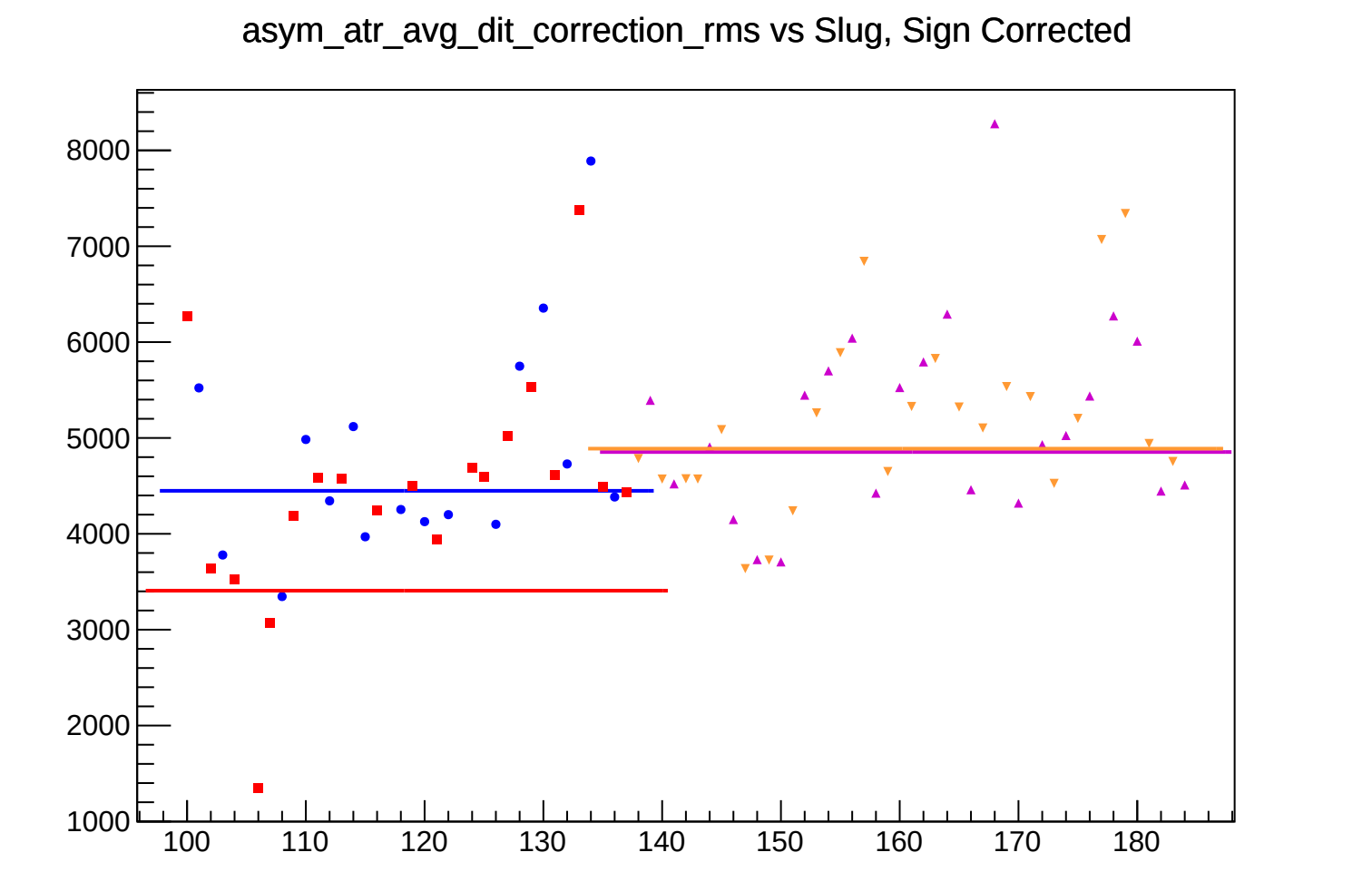
Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1904.329+/-0.268 χ^2/NDF:707106.1/38

Out: 1905.245+/-0.263 χ^2/NDF:289832.3/42

All: 1904.795+/-0.188 χ^2/NDF: 996944.3/81


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1407.382+/-1689.989 χ²/NDF: 14.2/15
Left Out: 60.591+/-1141.347 χ²/NDF:26.8/23
Right Out: -155.271+/-1363.642 χ²/NDF: 15.8/18
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -56.751+/-812.206 χ²/NDF: 40.4/46
Right: -649.023+/-1061.247 χ²/NDF: 30.4/34
In: -569.308+/-954.170 χ²/NDF:28.1/38
Out: -28.334+/-875.234 χ²/NDF:42.7/42
All: -275.522+/-644.988 χ²/NDF: 71.0/81



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: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

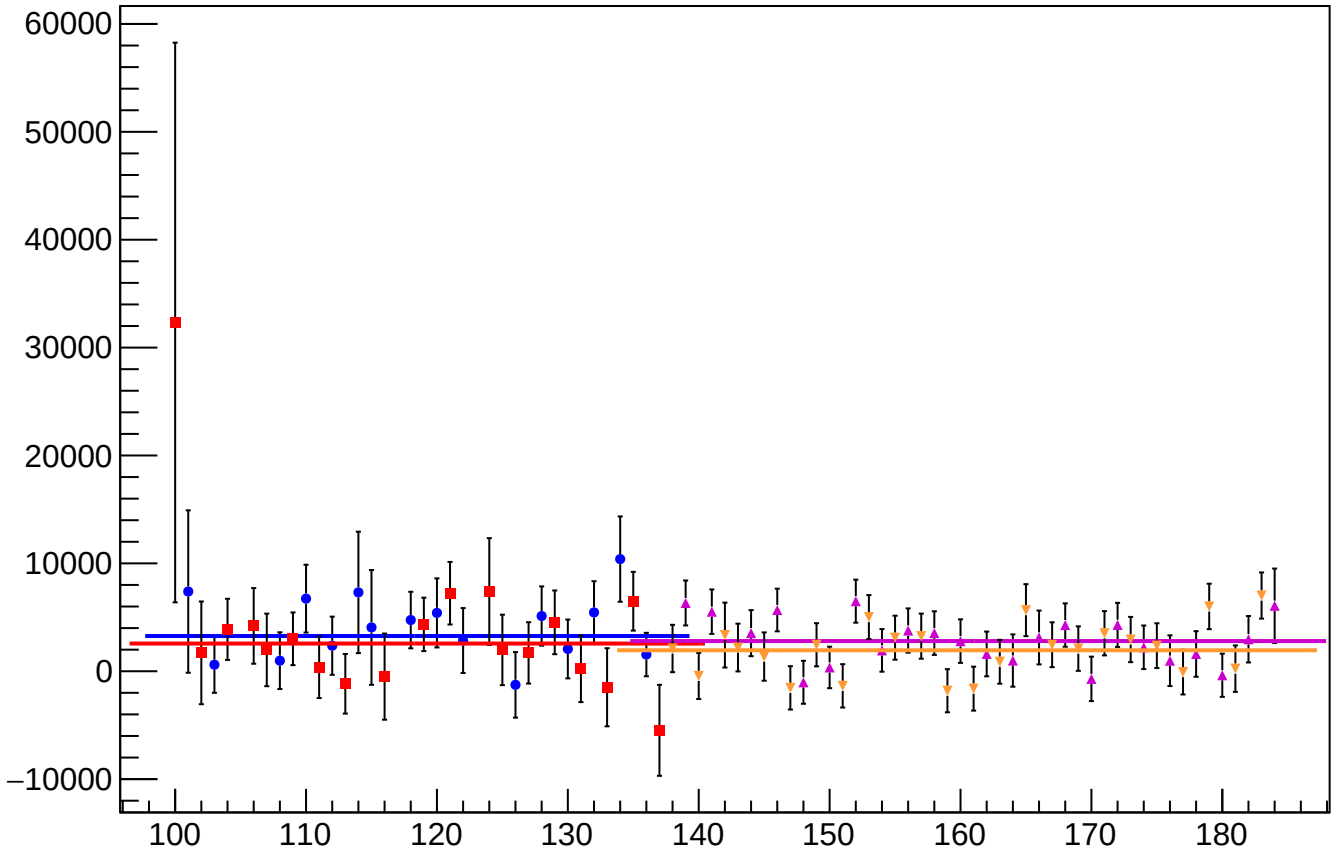
Left: 4871.149+/-0.574 χ^2/NDF: 2242822.8/46

Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4724.370+/-0.675 χ^2/NDF:1751362.3/38

Out: 4278.236+/-0.619 χ^2/NDF:4777220.2/42

All: 4482.089+/-0.456 χ^2/NDF: 6766027.7/81



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: 2798.435+/-439.234 χ^2/NDF:25.4/22

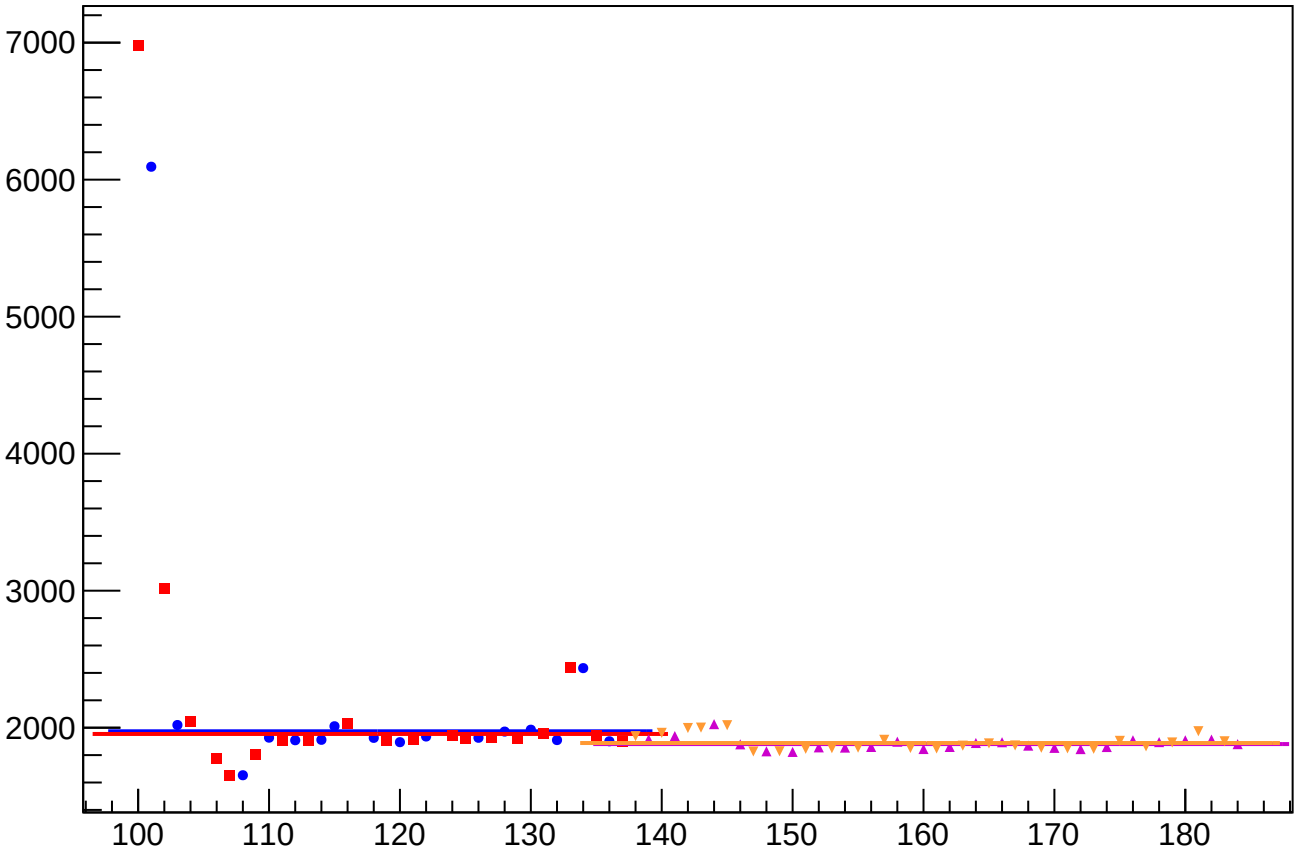
Left: 2364.578+/-308.011 χ^2/NDF: 58.7/46

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 2917.295+/-379.131 χ^2/NDF:37.9/38

Out: 2104.548+/-372.445 χ^2/NDF:48.9/42

All: 2503.691+/-265.690 χ^2/NDF: 89.2/81



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: 1880.576+/-0.311 χ^2/NDF:19037.6/22

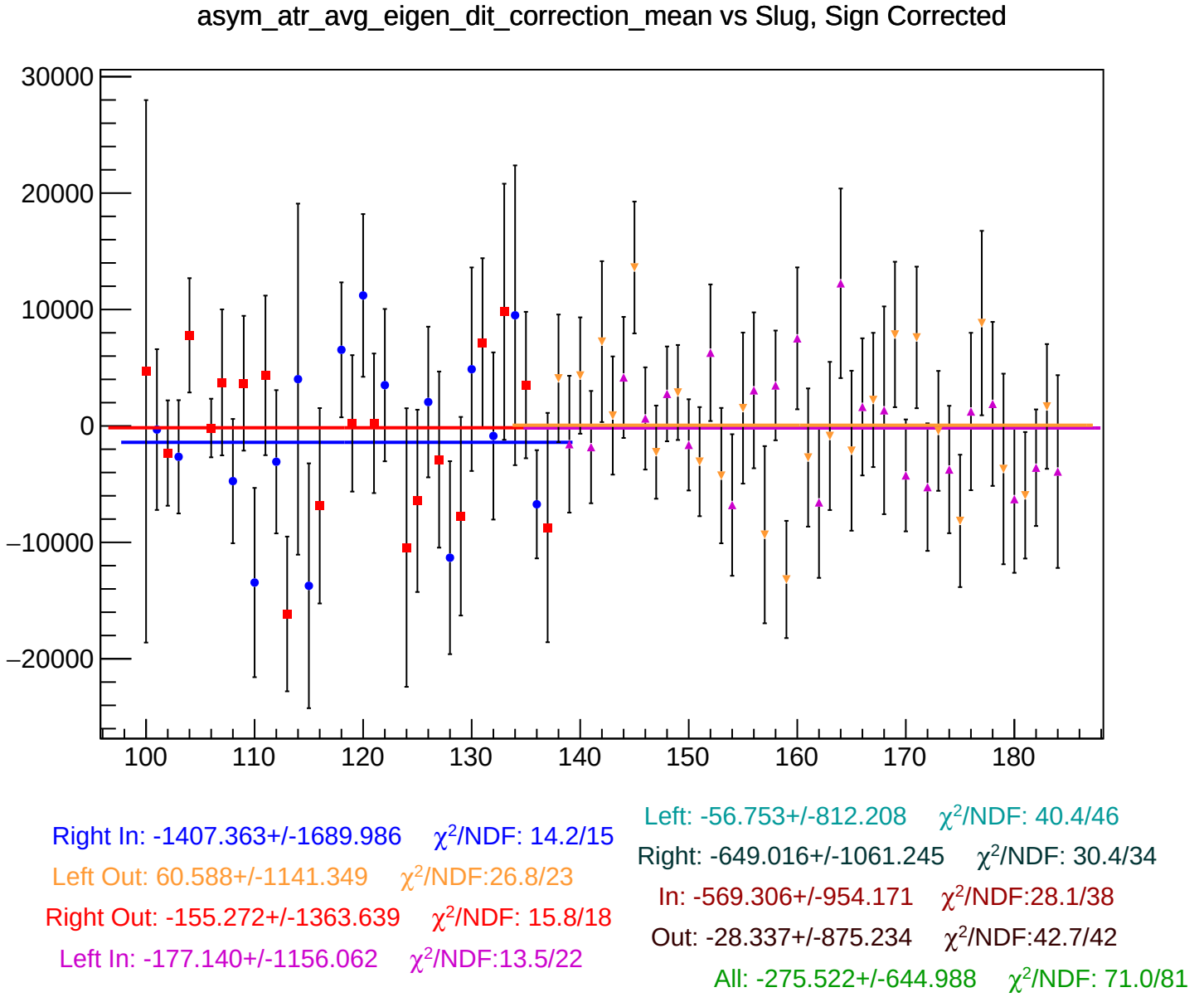
Left: 1884.474+/-0.218 χ^2/NDF: 50930.7/46

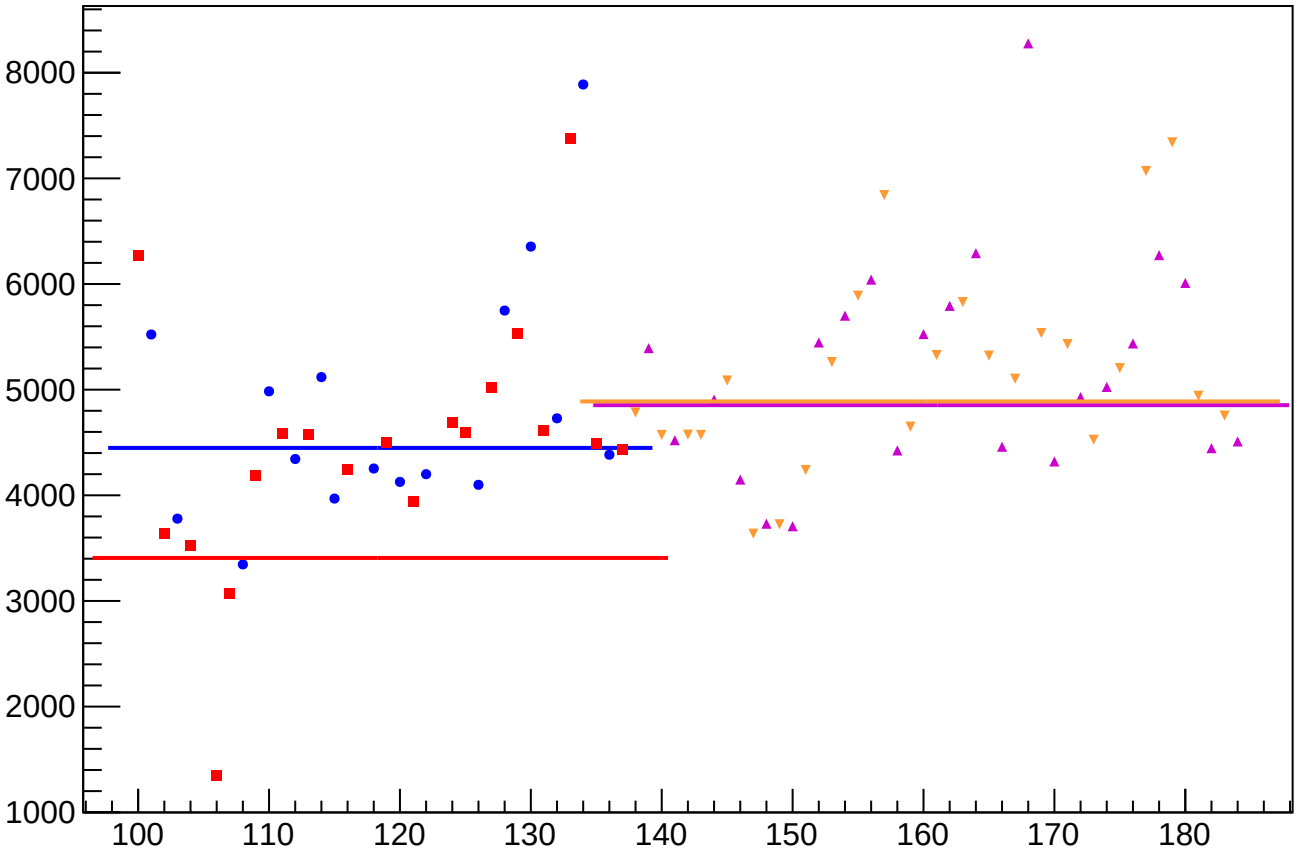
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1904.330+/-0.268 χ^2/NDF:707105.5/38

Out: 1905.245+/-0.263 χ^2/NDF:289831.5/42

All: 1904.796+/-0.188 χ^2/NDF: 996942.9/81


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: -177.140+/-1156.062 χ²/NDF:13.5/22
Left: -56.753+/-812.208 χ²/NDF: 40.4/46
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: -569.306+/-954.171 χ²/NDF:28.1/38
Out: -28.337+/-875.234 χ²/NDF:42.7/42
All: -275.522+/-644.988 χ²/NDF: 71.0/81



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: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4871.156+/-0.574 χ^2/NDF: 2242826.8/46

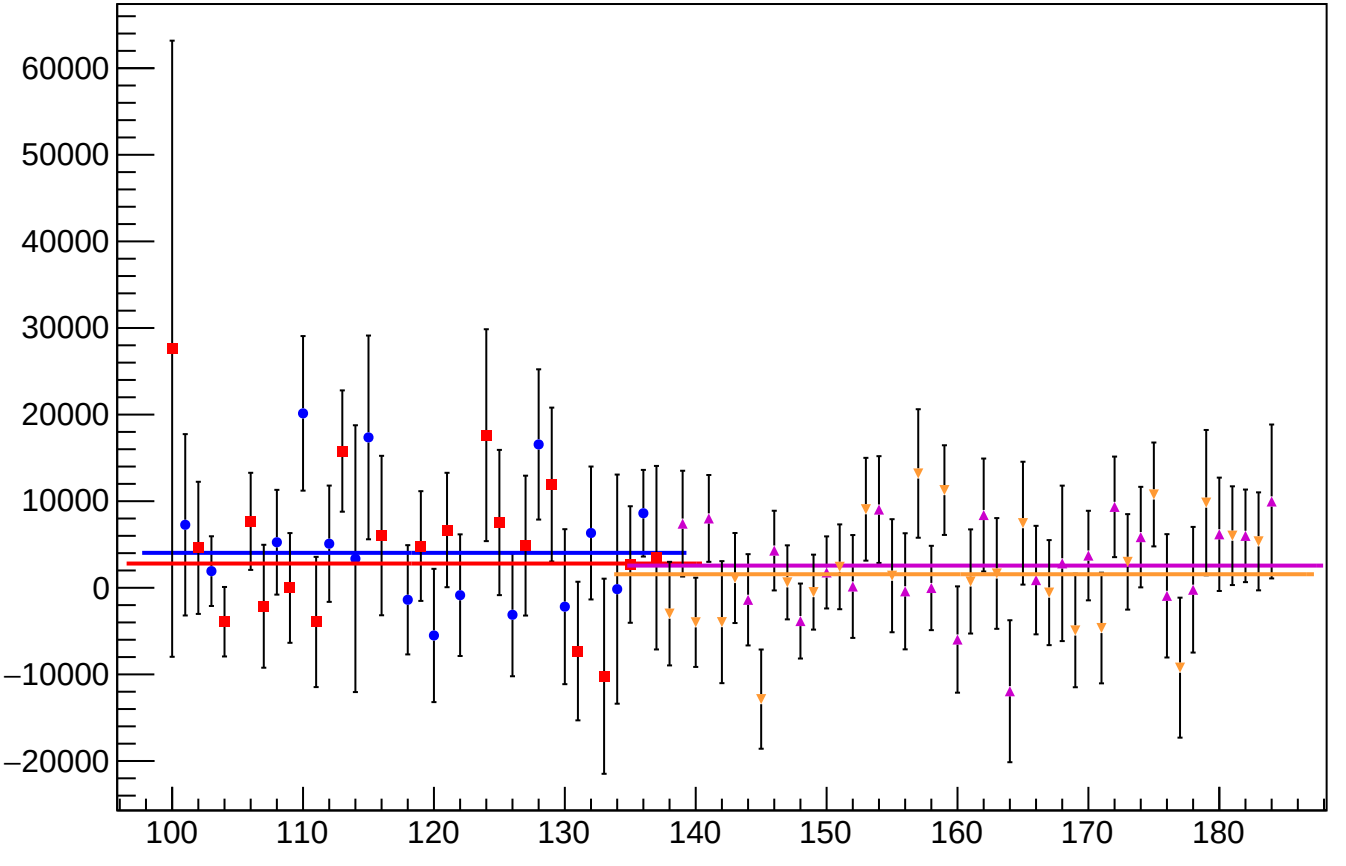
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4724.372+/-0.675 χ^2/NDF:1751367.6/38

Out: 4278.235+/-0.619 χ^2/NDF:4777256.9/42

All: 4482.089+/-0.456 χ^2/NDF: 6766073.6/81

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: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2057.412+/-845.512 χ^2/NDF: 41.9/46

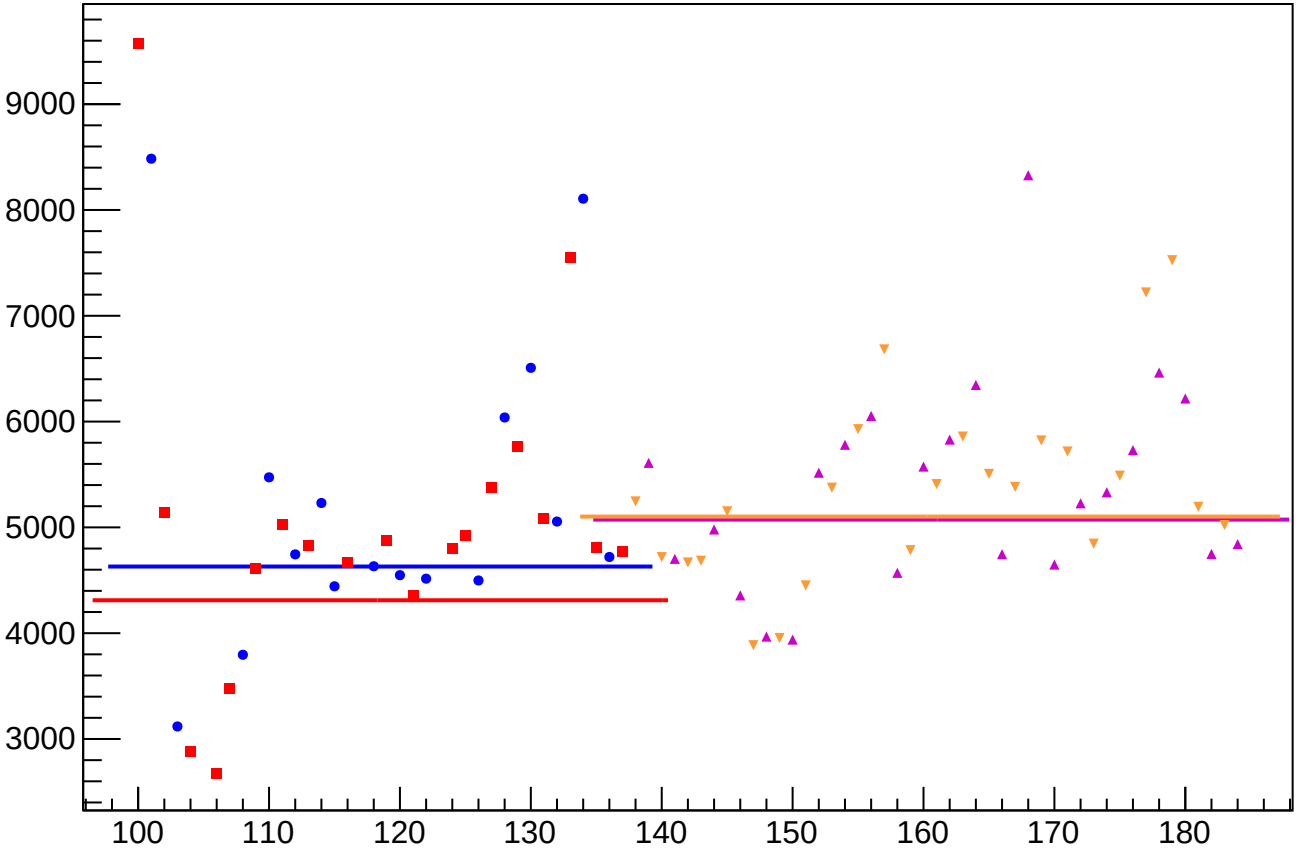
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 3024.862+/-997.896 χ^2/NDF:28.8/38

Out: 1979.582+/-967.980 χ^2/NDF:41.4/42

All: 2486.318+/-694.801 χ^2/NDF: 70.7/81

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 5102.046+/-0.839 χ^2/NDF:909135.6/23

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

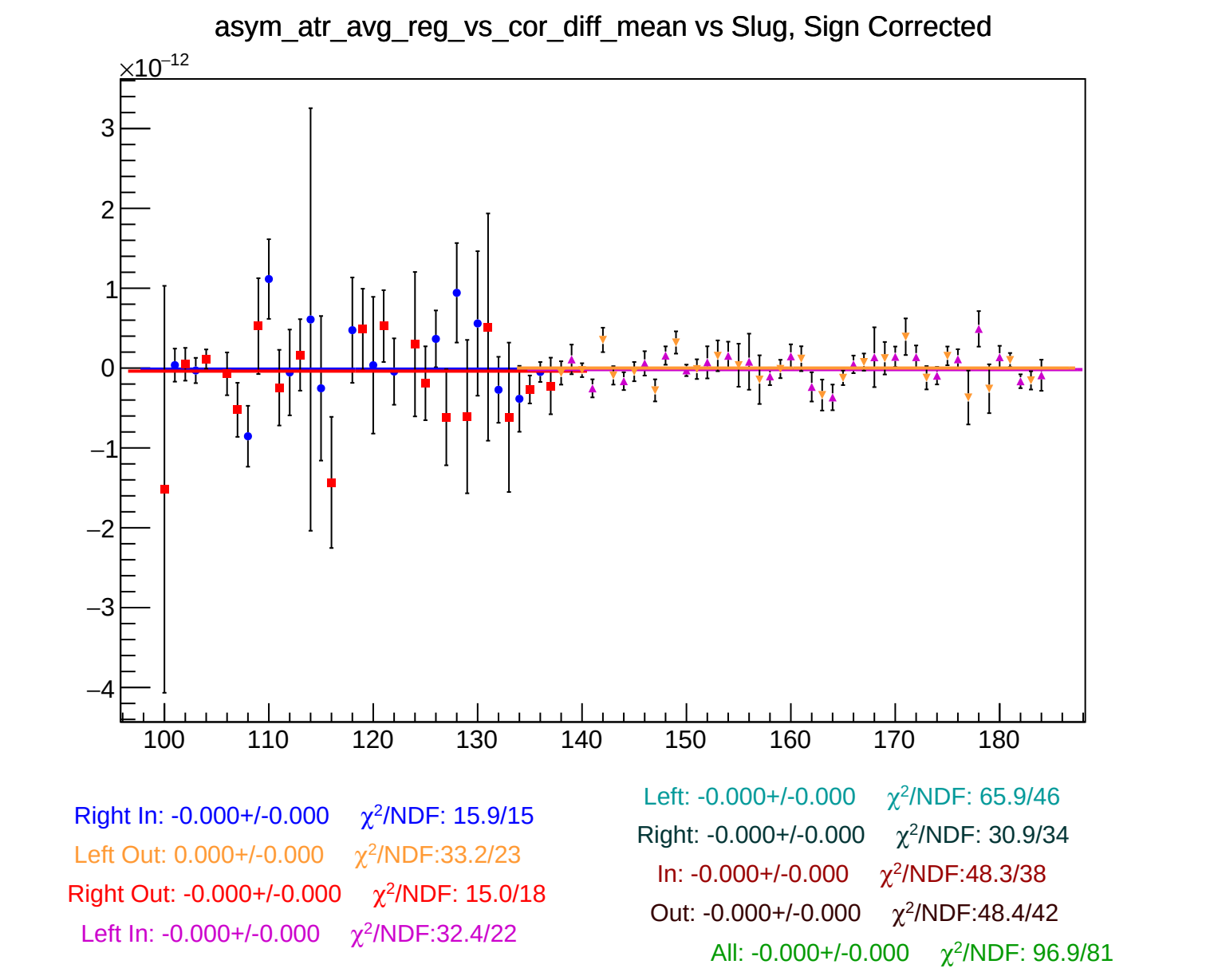
Left: 5088.000+/-0.598 χ^2/NDF: 1901619.1/46

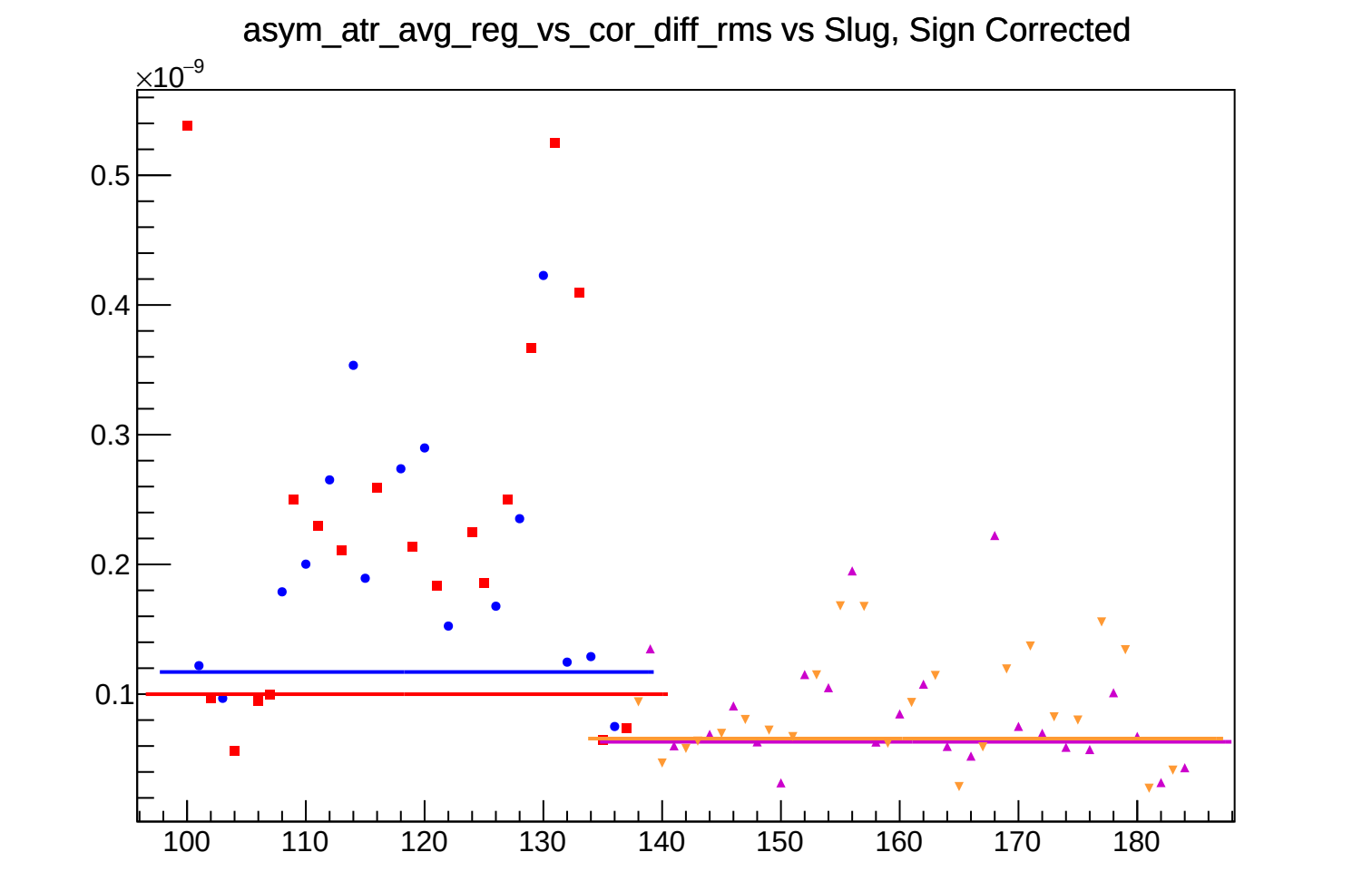
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4934.449+/-0.706 χ^2/NDF:1977222.4/38

Out: 4833.876+/-0.682 χ^2/NDF:2114805.1/42

All: 4882.485+/-0.491 χ^2/NDF: 4102523.8/81


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:32.4/22
Left: -0.000+/-0.000 χ²/NDF: 65.9/46
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:48.3/38
Out: -0.000+/-0.000 χ²/NDF:48.4/42
All: -0.000+/-0.000 χ²/NDF: 96.9/81



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2471983.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

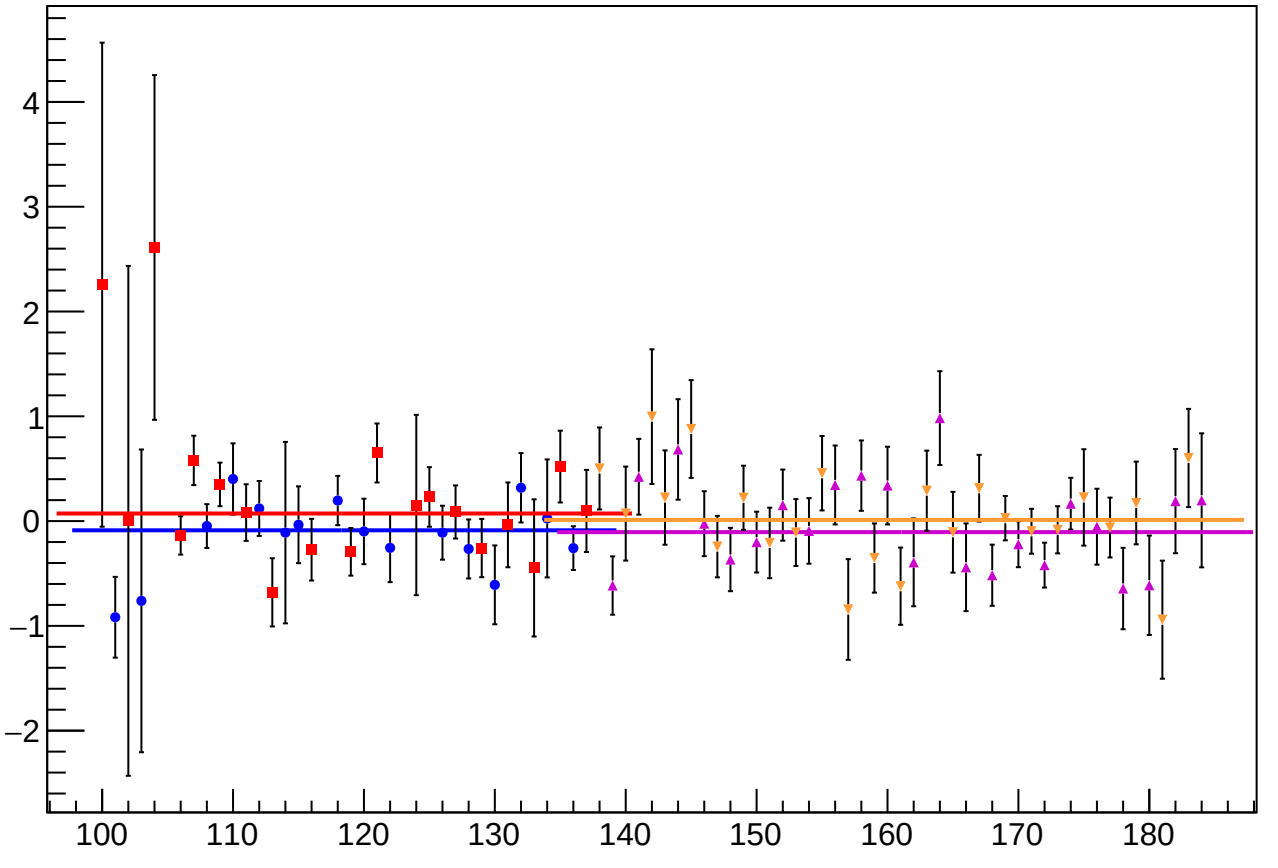
Left: 0.000+/-0.000 χ^2/NDF: 4677225.7/46

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:4197326.3/38

Out: 0.000+/-0.000 χ^2/NDF:4703911.5/42

All: 0.000+/-0.000 χ^2/NDF: 8901640.6/81



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: -0.105+/-0.069 χ^2/NDF:31.4/22

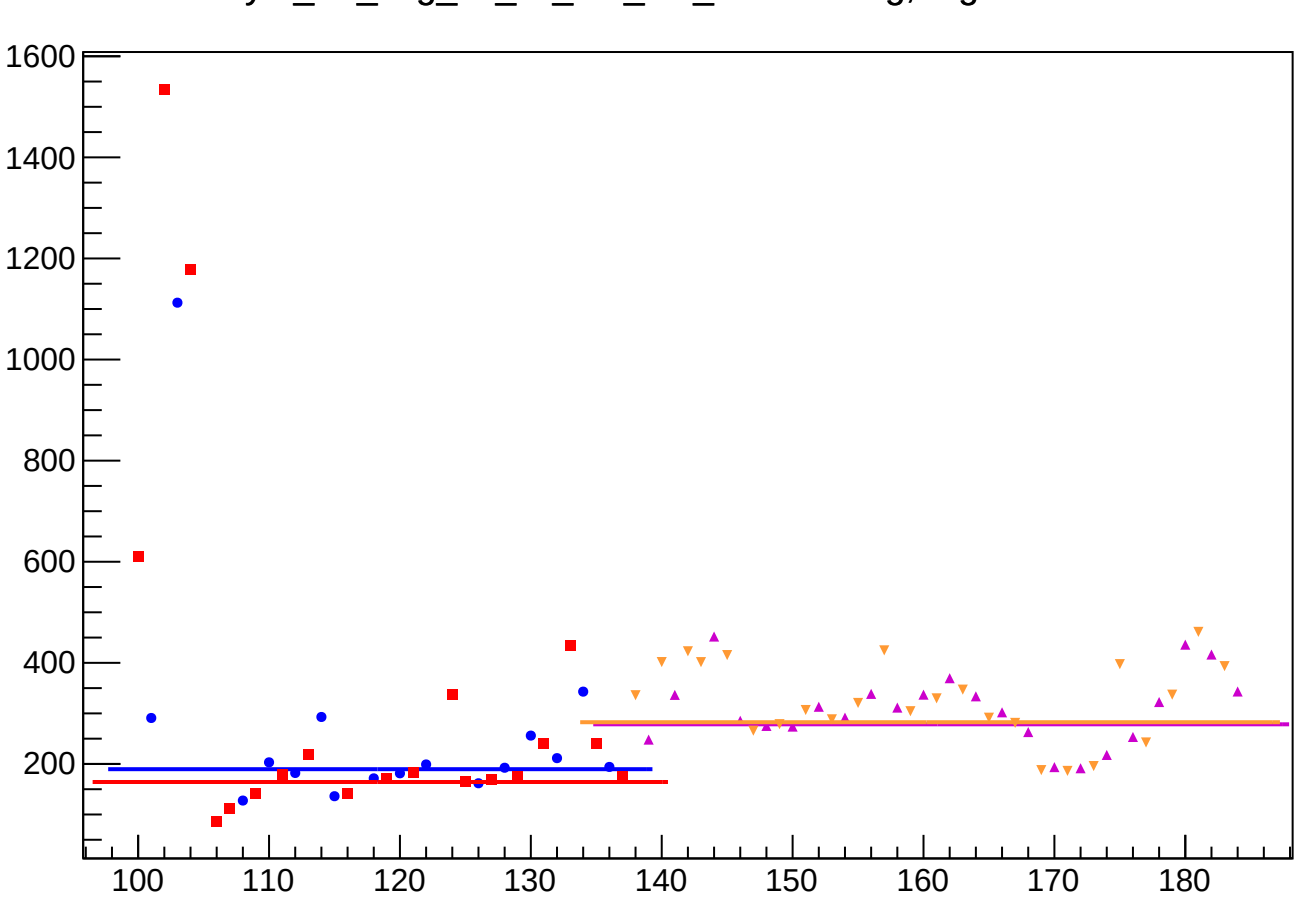
Left: -0.047+/-0.049 χ^2/NDF: 58.1/46

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.098+/-0.051 χ^2/NDF:45.3/38

Out: 0.041+/-0.049 χ^2/NDF:54.2/42

All: -0.025+/-0.035 χ^2/NDF: 103.4/81



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: 278.409+/-0.049 χ^2/NDF:1799690.4/22

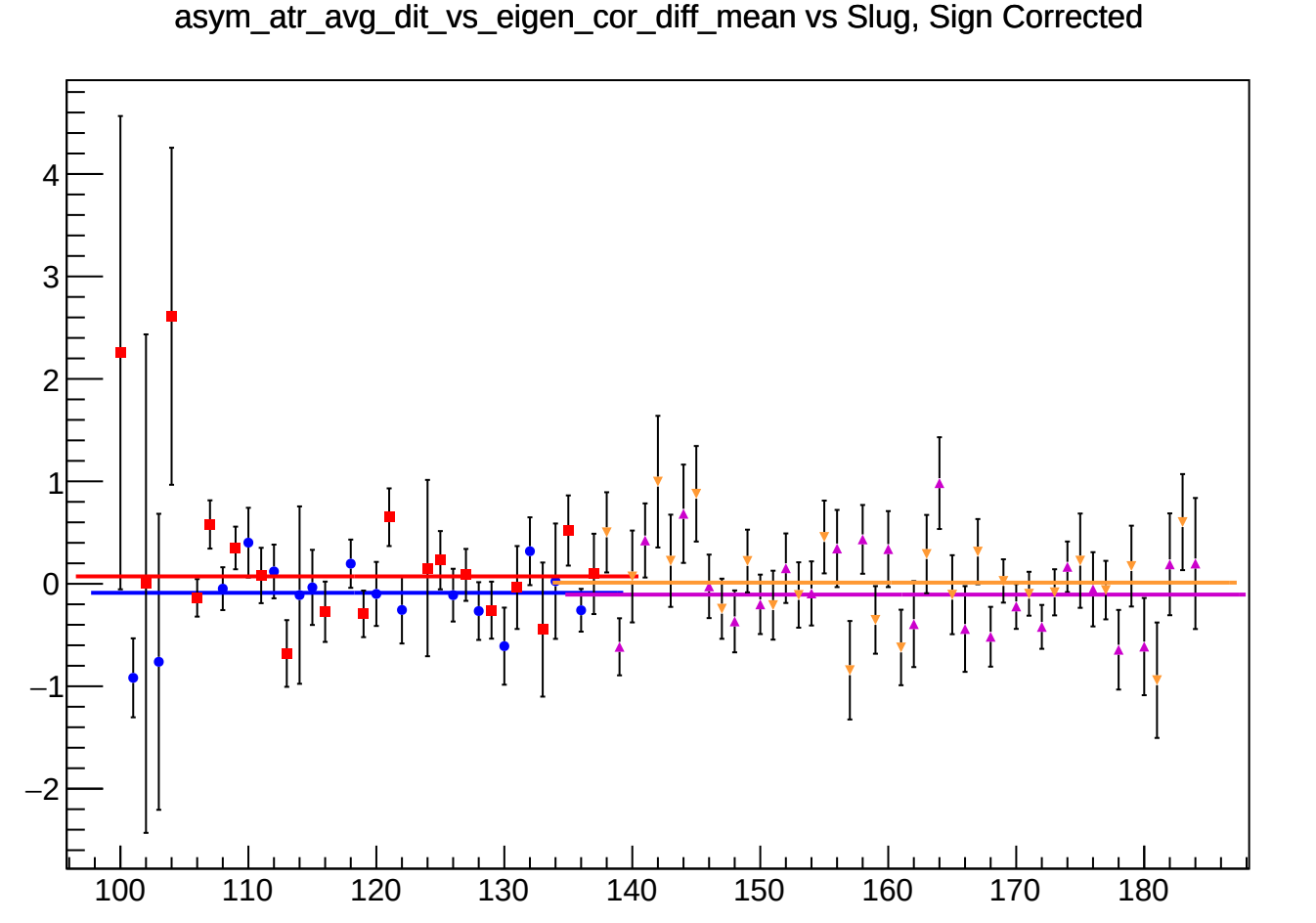
Left: 280.475+/-0.034 χ^2/NDF: 4312674.2/46

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 238.994+/-0.036 χ^2/NDF:4752491.4/38

Out: 224.514+/-0.035 χ^2/NDF:8058861.7/42

All: 231.450+/-0.025 χ^2/NDF: 12894852.7/81



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: -0.105+/-0.069 χ^2/NDF:31.4/22

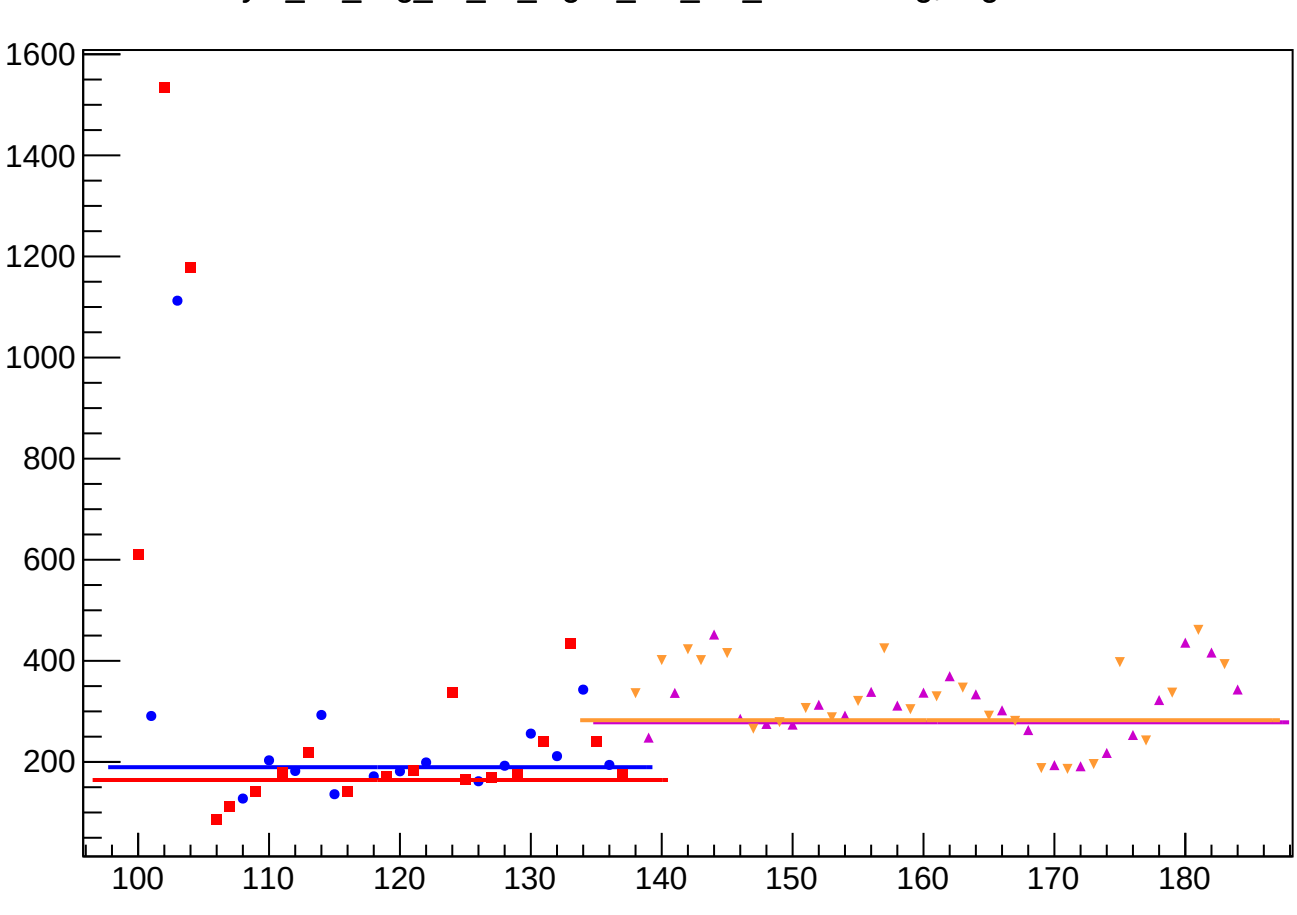
Left: -0.047+/-0.049 χ^2/NDF: 58.1/46

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.098+/-0.051 χ^2/NDF:45.3/38

Out: 0.041+/-0.049 χ^2/NDF:54.2/42

All: -0.025+/-0.035 χ^2/NDF: 103.4/81



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: 278.409+/-0.049 χ^2/NDF:1799690.4/22

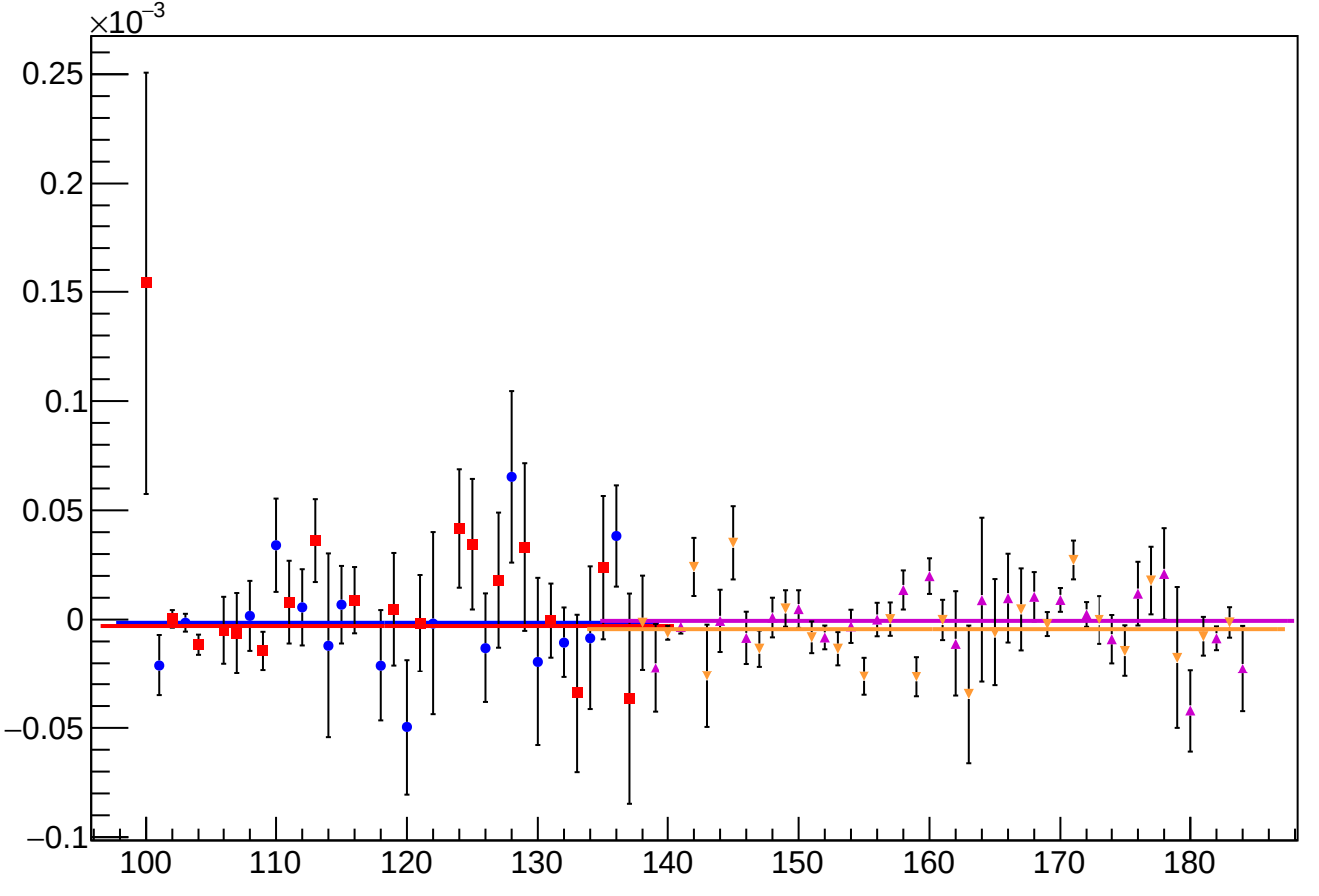
Left: 280.475+/-0.034 χ^2/NDF: 4312674.2/46

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 238.994+/-0.036 χ^2/NDF:4752491.4/38

Out: 224.514+/-0.035 χ^2/NDF:8058861.7/42

All: 231.450+/-0.025 χ^2/NDF: 12894852.7/81



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:29.1/22

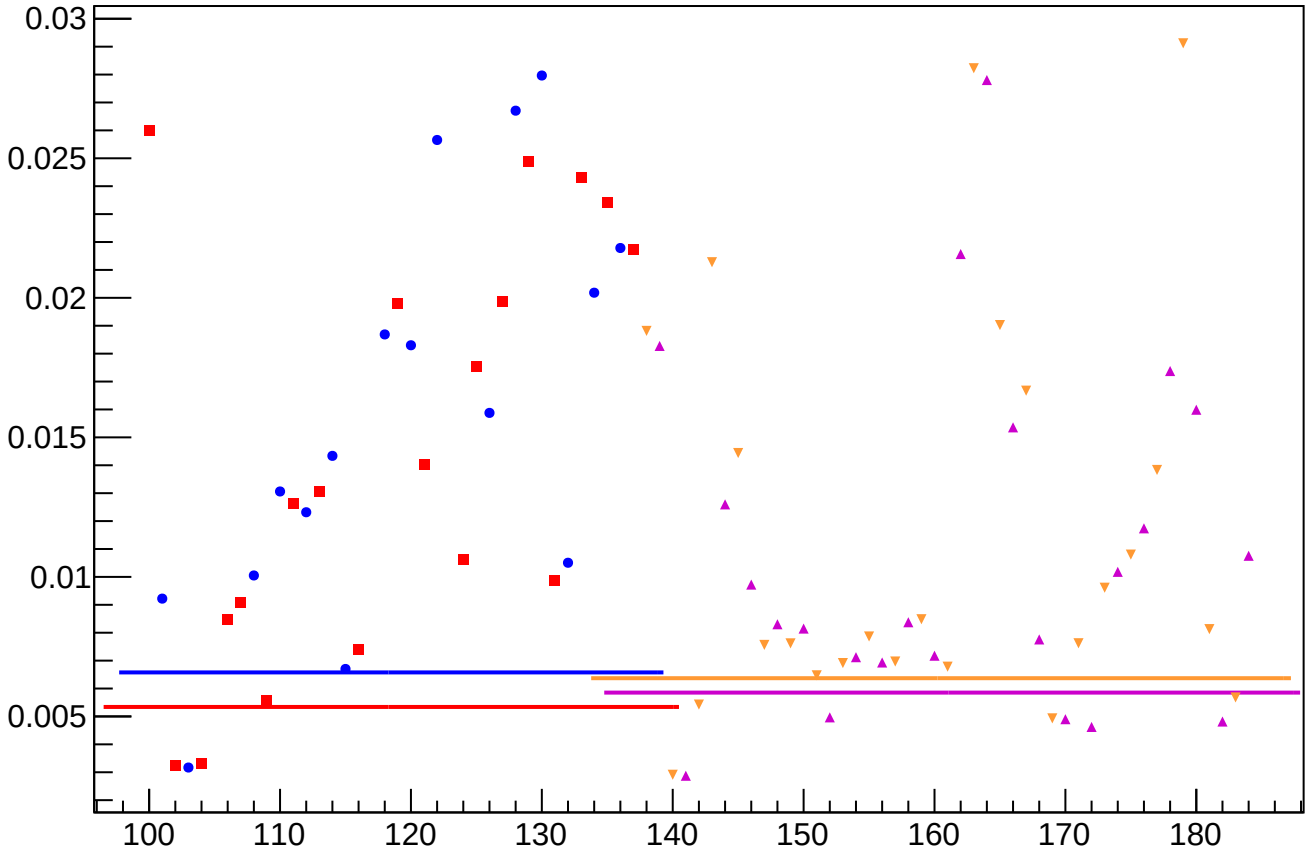
Left: -0.000+/-0.000 χ^2/NDF: 77.1/46

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:44.0/38

Out: -0.000+/-0.000 χ^2/NDF:67.0/42

All: -0.000+/-0.000 χ^2/NDF: 113.3/81



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:8144305.6/22

Left: 0.006+/-0.000 χ^2/NDF: 17098361.7/46

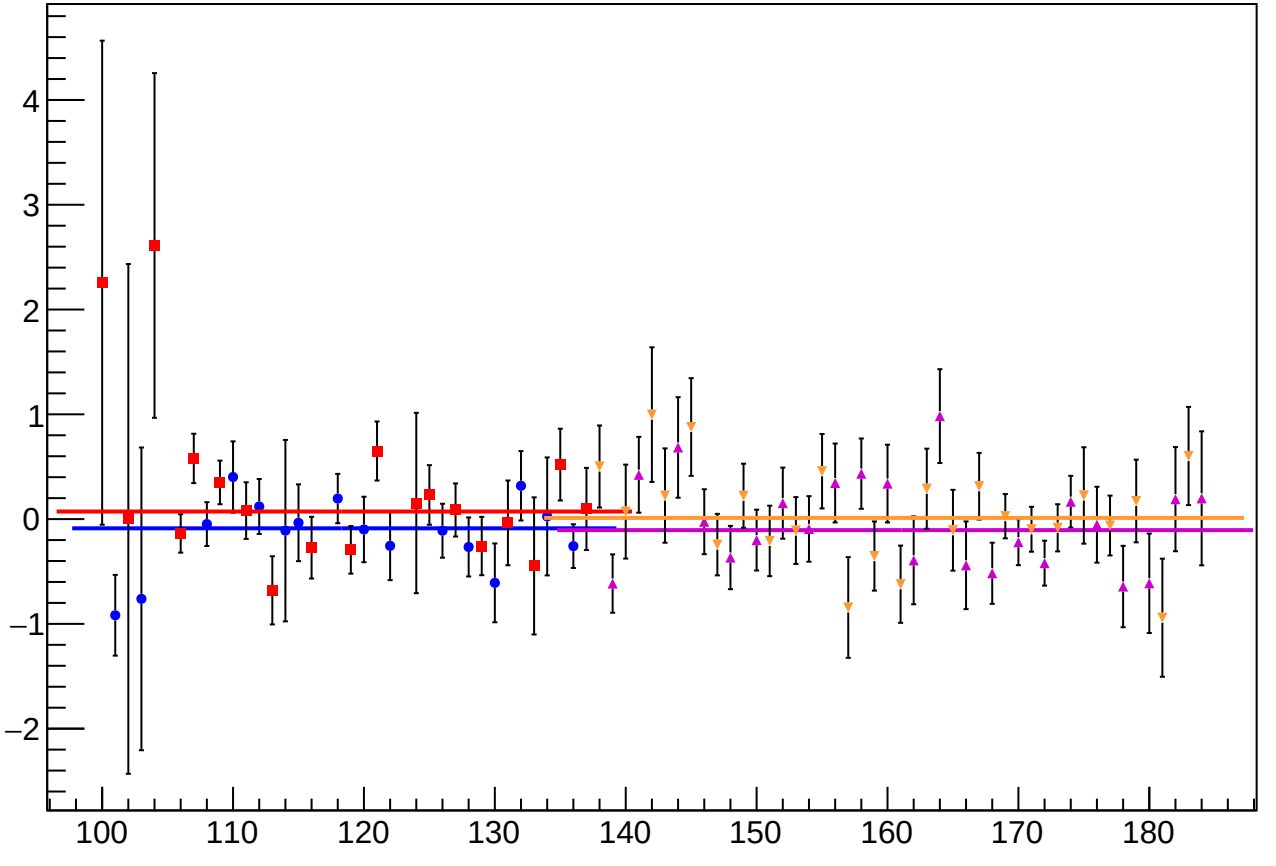
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:14148979.7/38

Out: 0.006+/-0.000 χ^2/NDF:14767904.1/42

All: 0.006+/-0.000 χ^2/NDF: 28918289.8/81

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: -0.105+/-0.069 χ^2/NDF:31.4/22

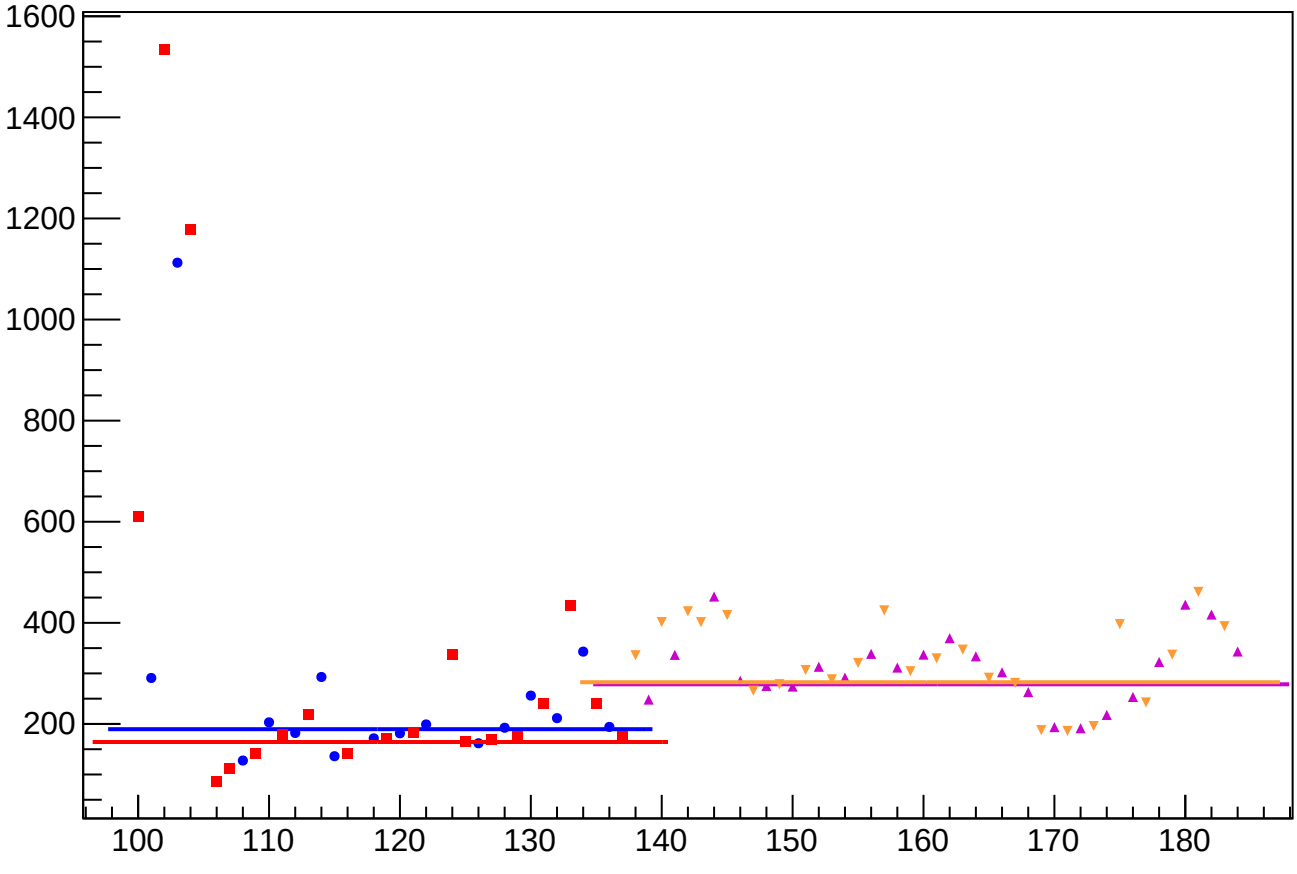
Left: -0.047+/-0.049 χ^2/NDF: 58.1/46

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.098+/-0.051 χ^2/NDF:45.3/38

Out: 0.041+/-0.049 χ^2/NDF:54.2/42

All: -0.025+/-0.035 χ^2/NDF: 103.4/81



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: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.478+/-0.034 χ^2/NDF: 4312781.9/46

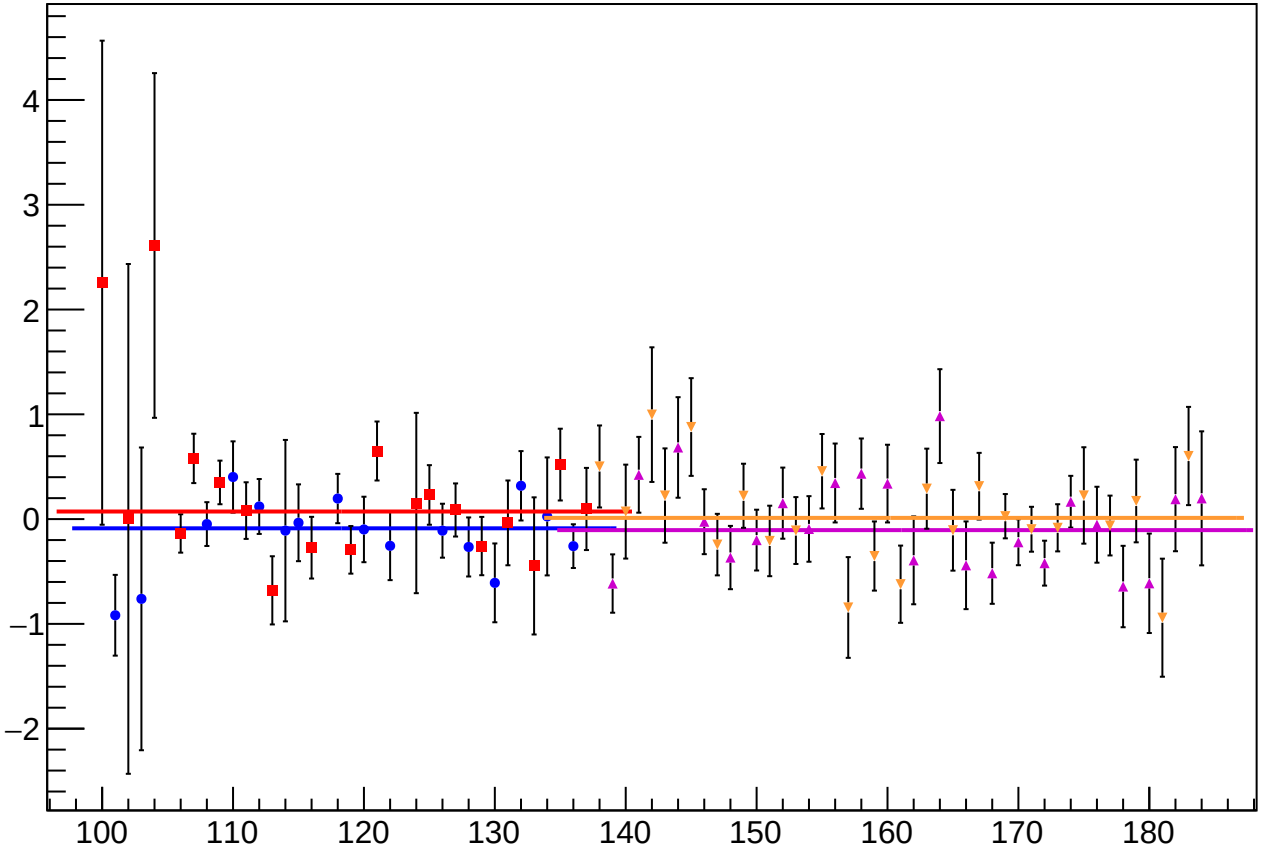
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 238.994+/-0.036 χ^2/NDF:4752621.3/38

Out: 224.514+/-0.035 χ^2/NDF:8059053.5/42

All: 231.450+/-0.025 χ^2/NDF: 12895179.4/81

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: -0.105+/-0.069 χ^2/NDF:31.4/22

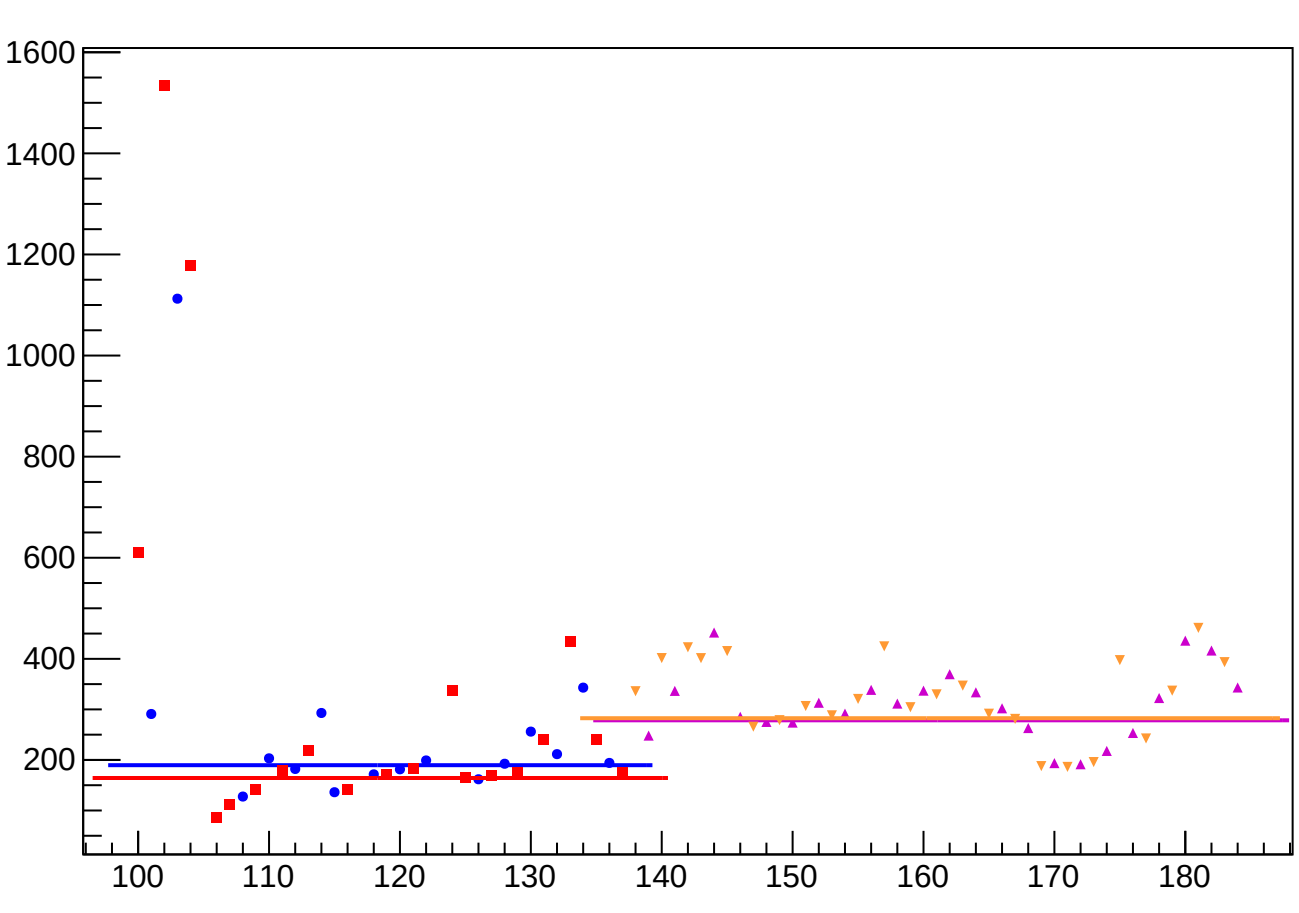
Left: -0.047+/-0.049 χ^2/NDF: 58.1/46

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.098+/-0.051 χ^2/NDF:45.3/38

Out: 0.041+/-0.049 χ^2/NDF:54.2/42

All: -0.025+/-0.035 χ^2/NDF: 103.4/81



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: 278.412+/-0.049 χ^2/NDF:1799730.1/22

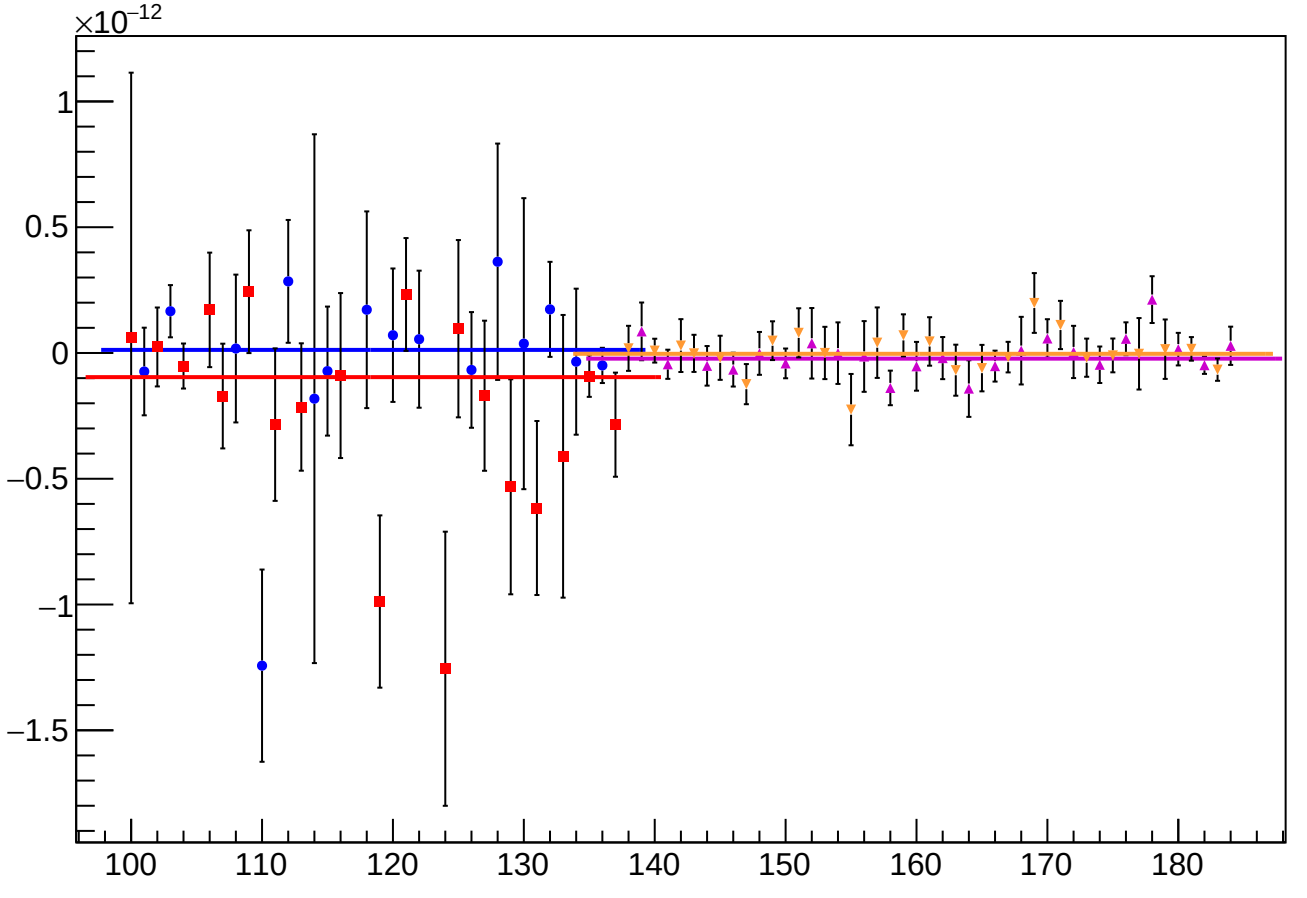
Left: 280.478+/-0.034 χ^2/NDF: 4312781.9/46

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 238.994+/-0.036 χ^2/NDF:4752621.3/38

Out: 224.514+/-0.035 χ^2/NDF:8059053.5/42

All: 231.450+/-0.025 χ^2/NDF: 12895179.4/81



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:16.8/22

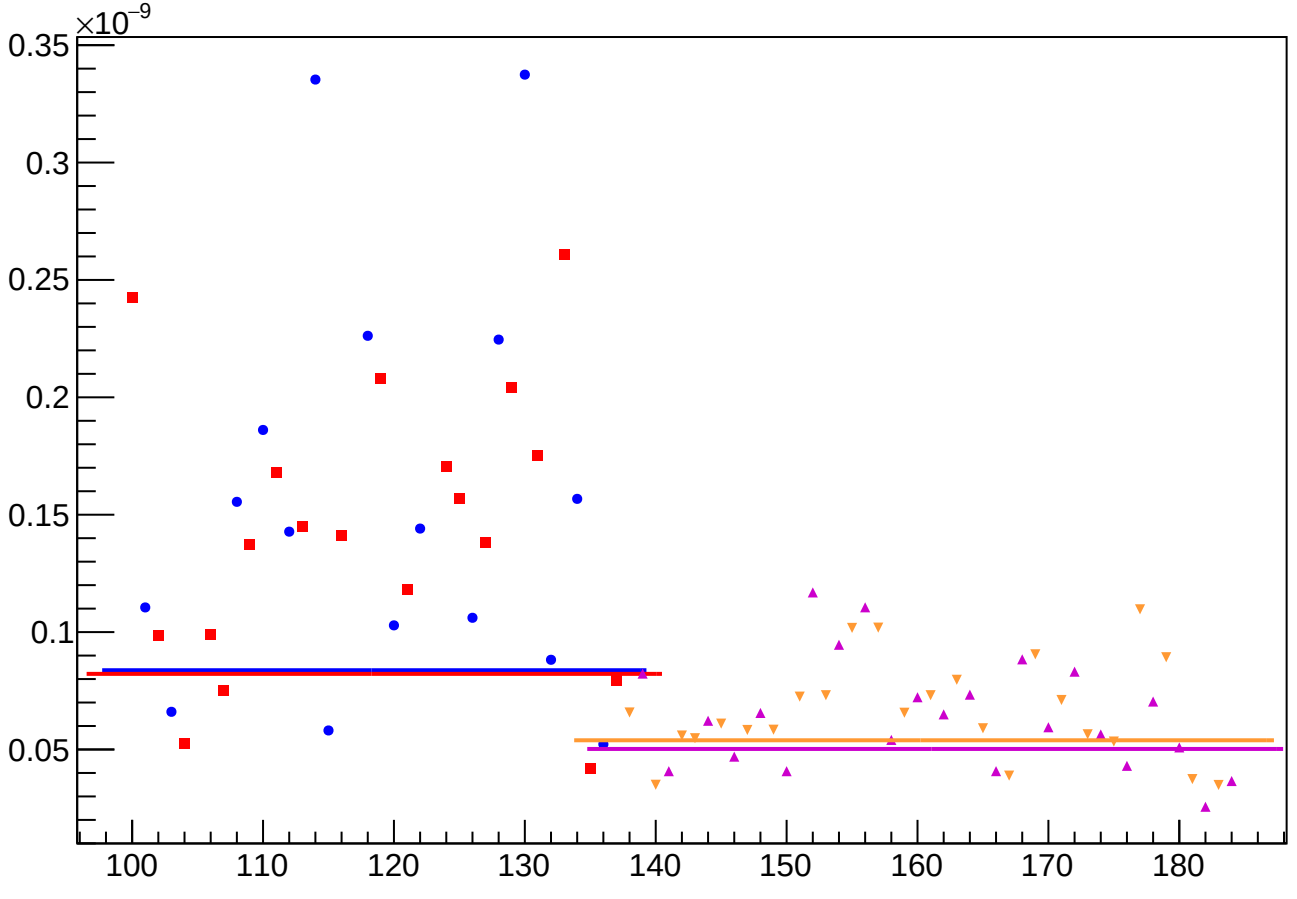
Left: -0.000+/-0.000 χ^2/NDF: 32.3/46

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:34.4/38

Out: -0.000+/-0.000 χ^2/NDF:41.7/42

All: -0.000+/-0.000 χ^2/NDF: 76.2/81



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:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6145742.8/46

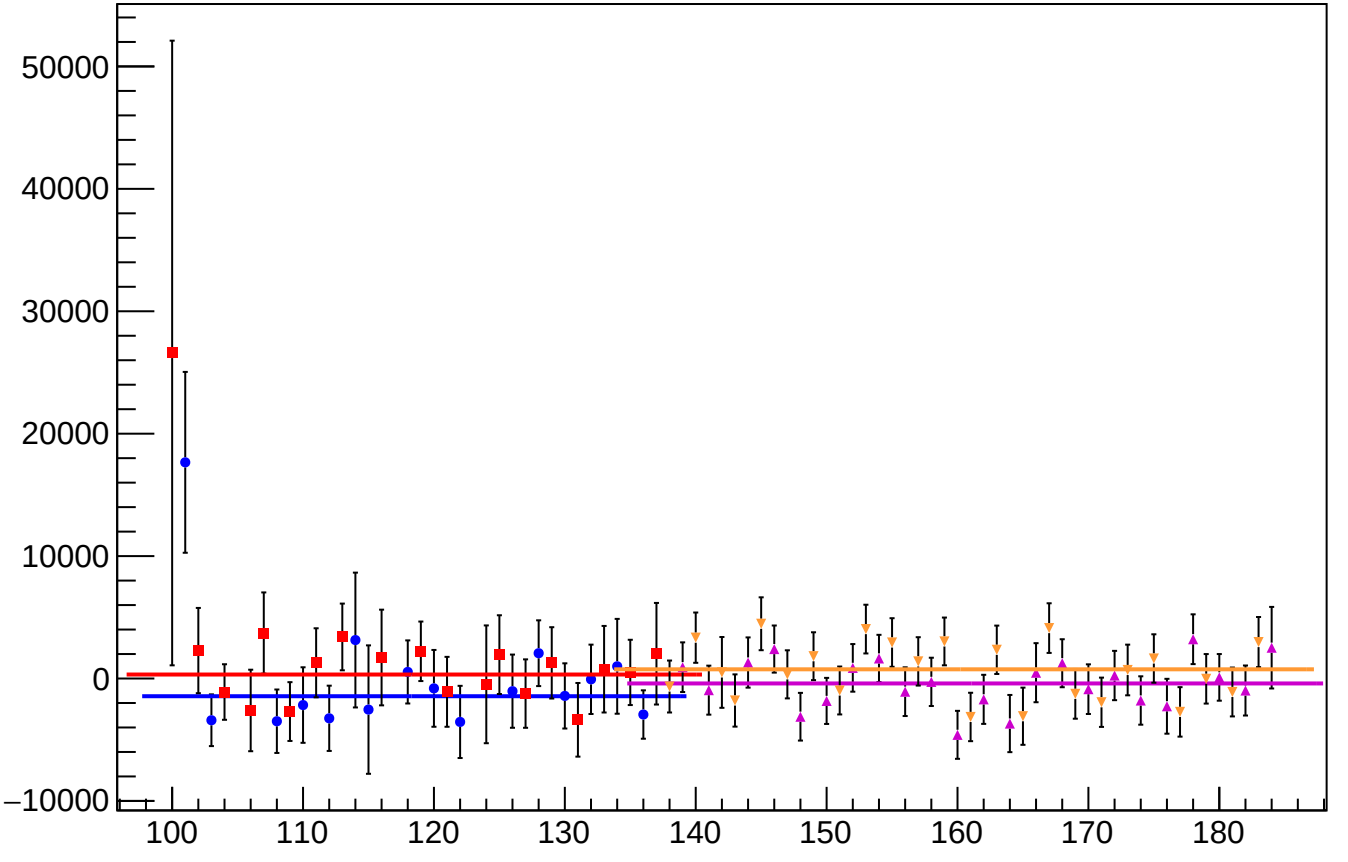
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:6449514.6/38

Out: 0.000+/-0.000 χ^2/NDF:5703926.1/42

All: 0.000+/-0.000 χ^2/NDF: 12207768.3/81

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: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 185.102+/-298.532 χ^2/NDF: 55.5/46

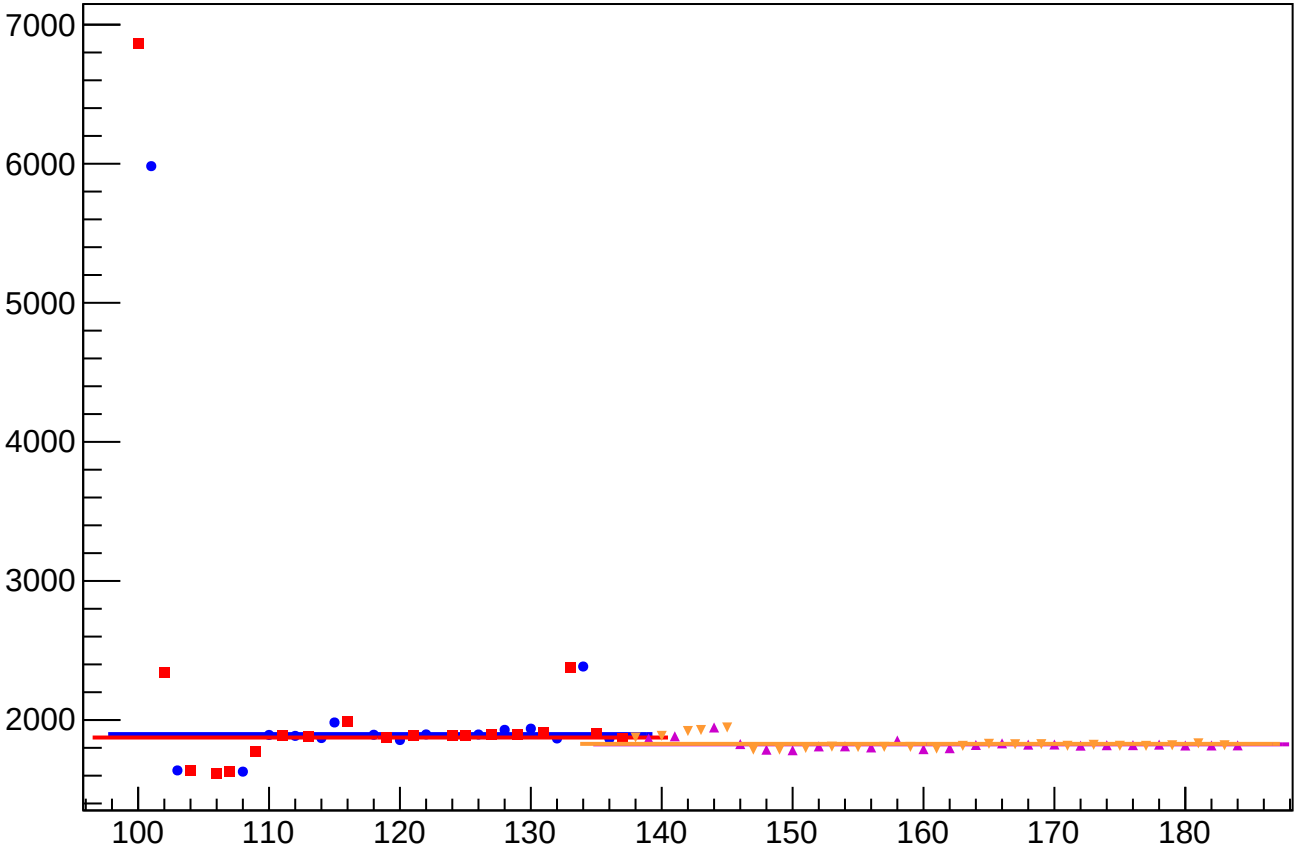
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -672.156+/-367.183 χ^2/NDF:35.8/38

Out: 640.245+/-359.413 χ^2/NDF:41.3/42

All: -1.923+/-256.846 χ^2/NDF: 83.6/81

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: 1825.165+/-0.301 χ^2/NDF:13360.2/22

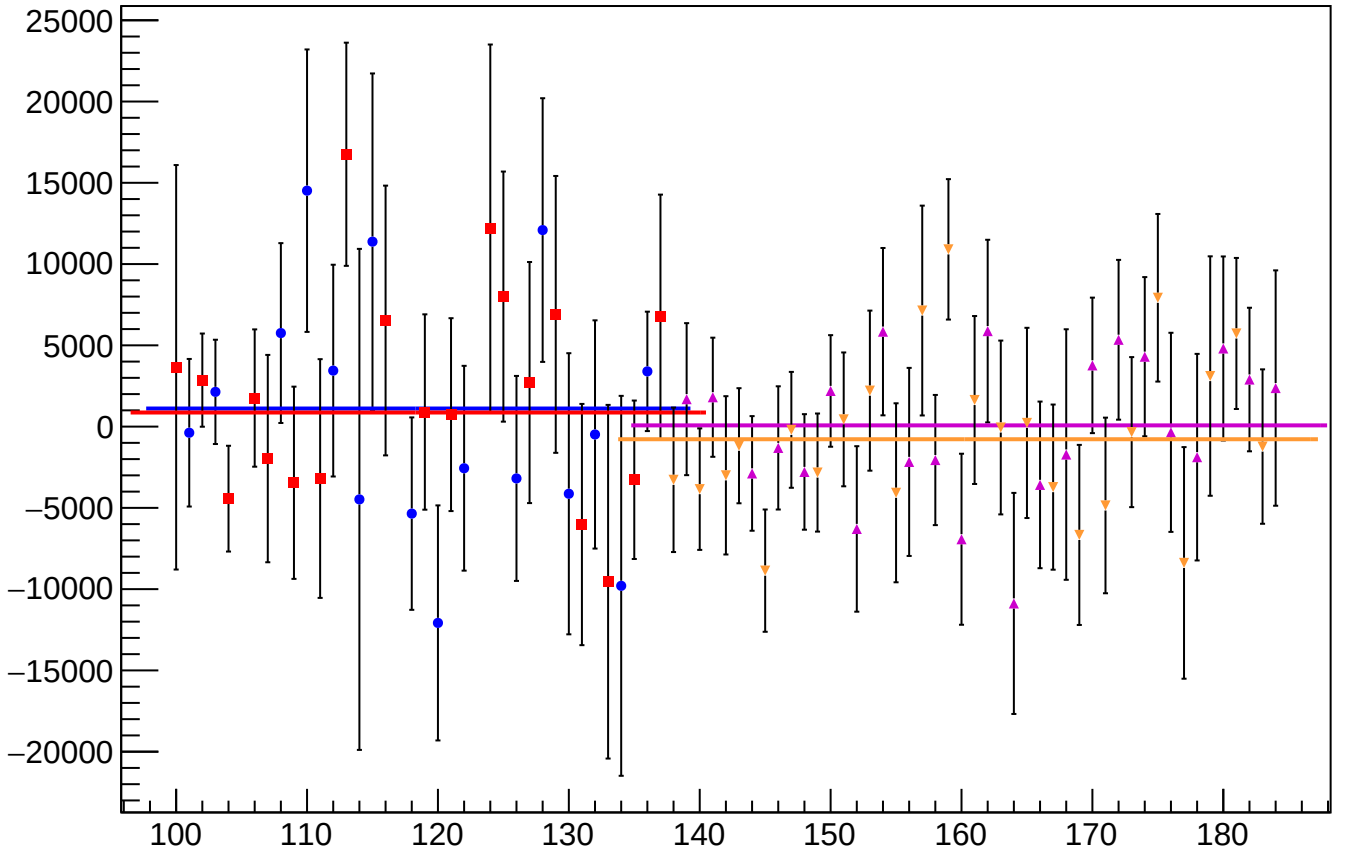
Left: 1826.914+/-0.211 χ^2/NDF: 32649.5/46

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1844.156+/-0.260 χ^2/NDF:726276.3/38

Out: 1840.604+/-0.254 χ^2/NDF:233145.5/42

All: 1842.341+/-0.182 χ^2/NDF: 959517.4/81



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: 75.764+/-980.243 χ^2/NDF:15.4/22

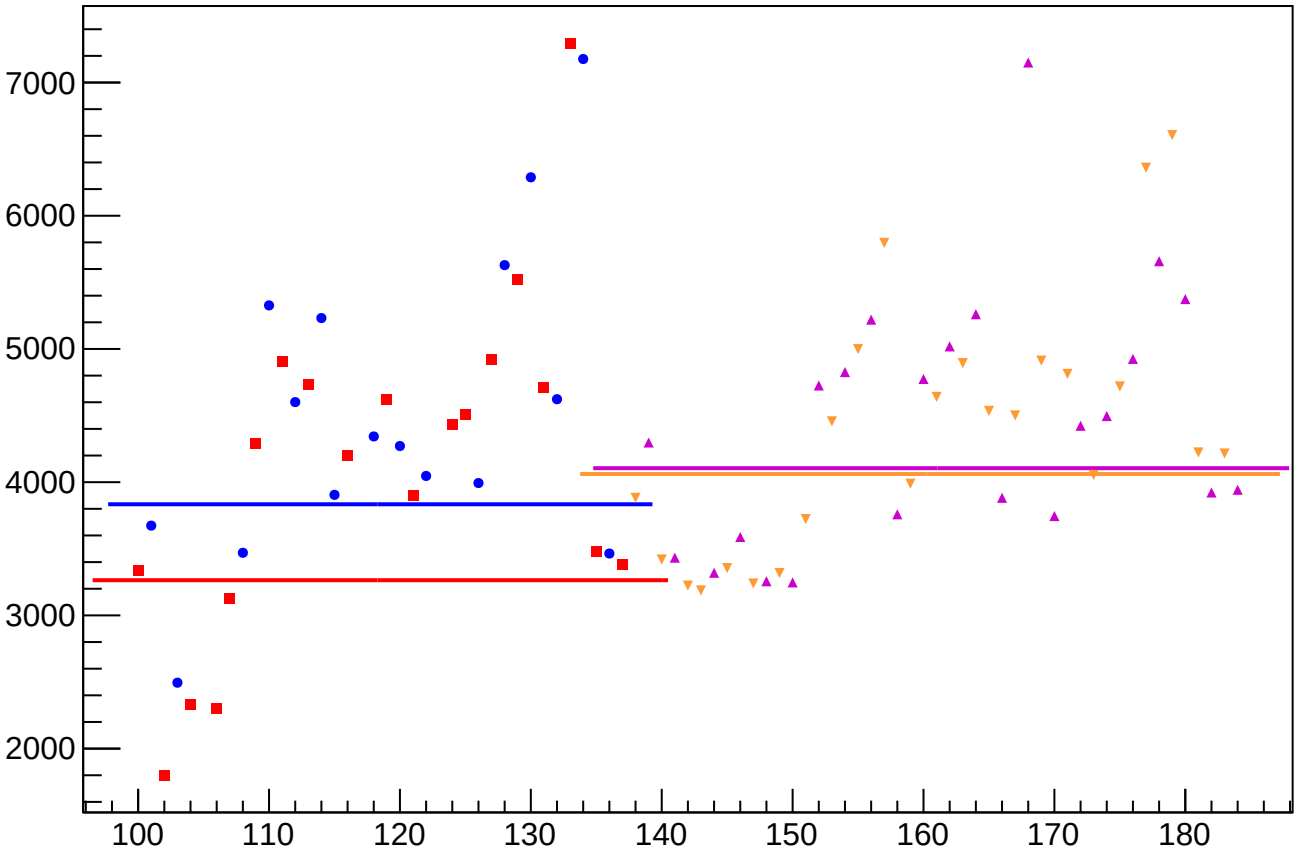
Left: -362.557+/-683.371 χ^2/NDF: 40.2/46

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

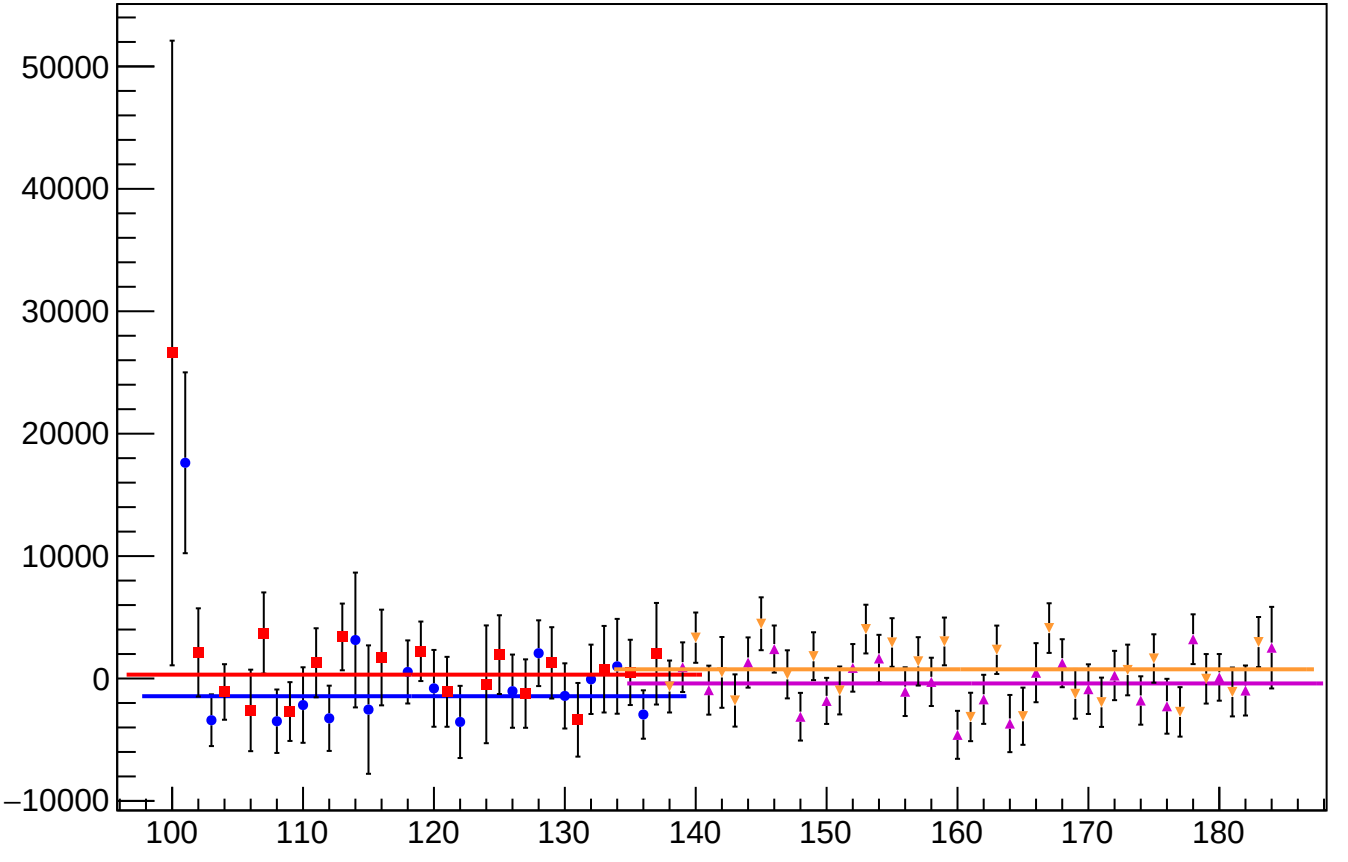
In: 392.163+/-817.121 χ^2/NDF:29.2/38

Out: -206.343+/-770.182 χ^2/NDF:41.0/42

All: 75.227+/-560.461 χ^2/NDF: 70.5/81


asym_atr_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3834.164+/-1.046 χ²/NDF: 956775.6/15
Left Out: 4061.435+/-0.674 χ²/NDF:1404569.9/23
Right Out: 3264.110+/-0.924 χ²/NDF: 1864241.4/18
Left In: 4105.057+/-0.693 χ²/NDF:1359493.1/22
Left: 4082.636+/-0.483 χ²/NDF: 2766098.9/46
Right: 3514.075+/-0.693 χ²/NDF: 2987789.5/34
In: 4022.400+/-0.578 χ²/NDF:2362874.7/38
Out: 3784.662+/-0.545 χ²/NDF:3754580.0/42
All: 3896.507+/-0.396 χ²/NDF: 6207106.4/81

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: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 185.219+/-298.532 χ^2/NDF: 55.5/46

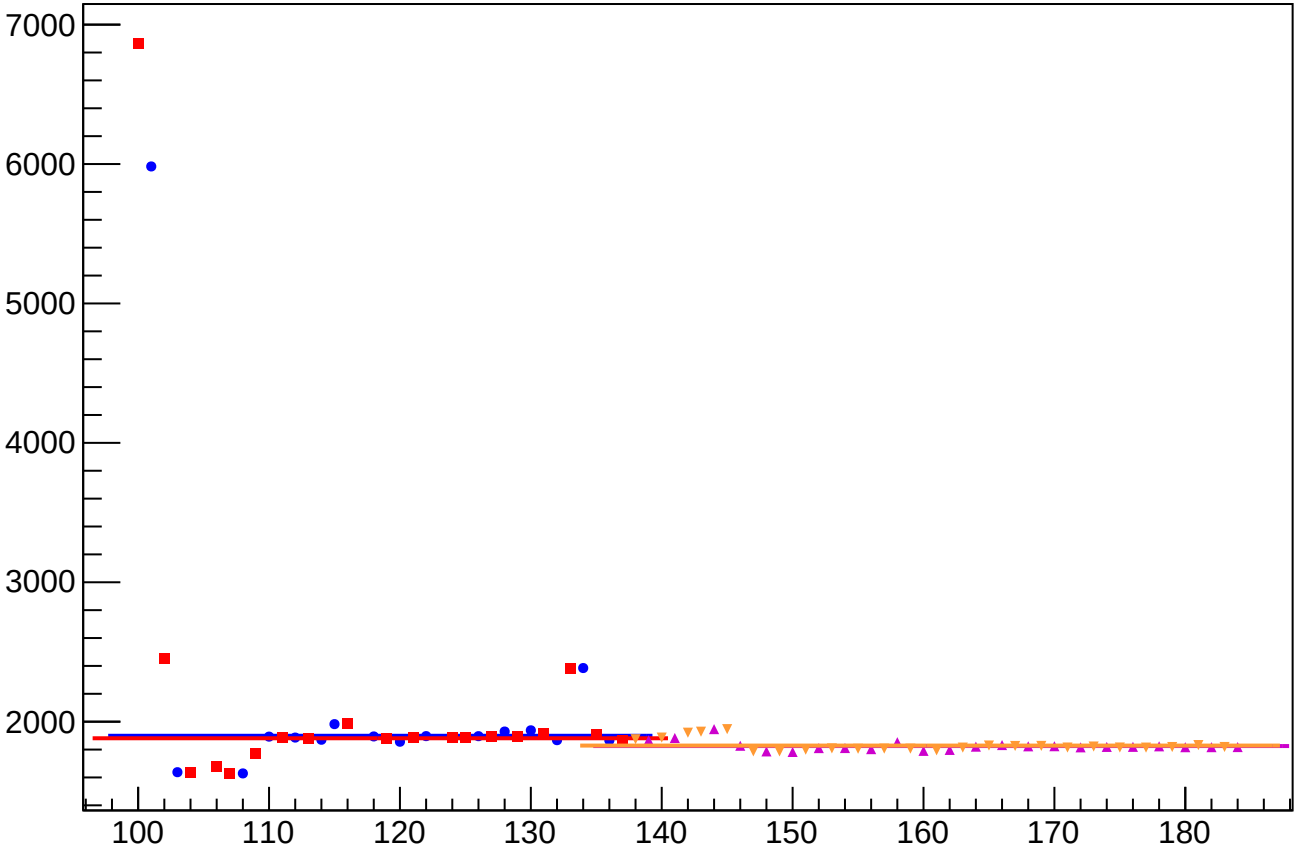
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -672.135+/-367.183 χ^2/NDF:35.8/38

Out: 637.793+/-359.540 χ^2/NDF:41.2/42

All: -3.395+/-256.893 χ^2/NDF: 83.5/81

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: 1825.165+/-0.301 χ^2/NDF:13360.2/22

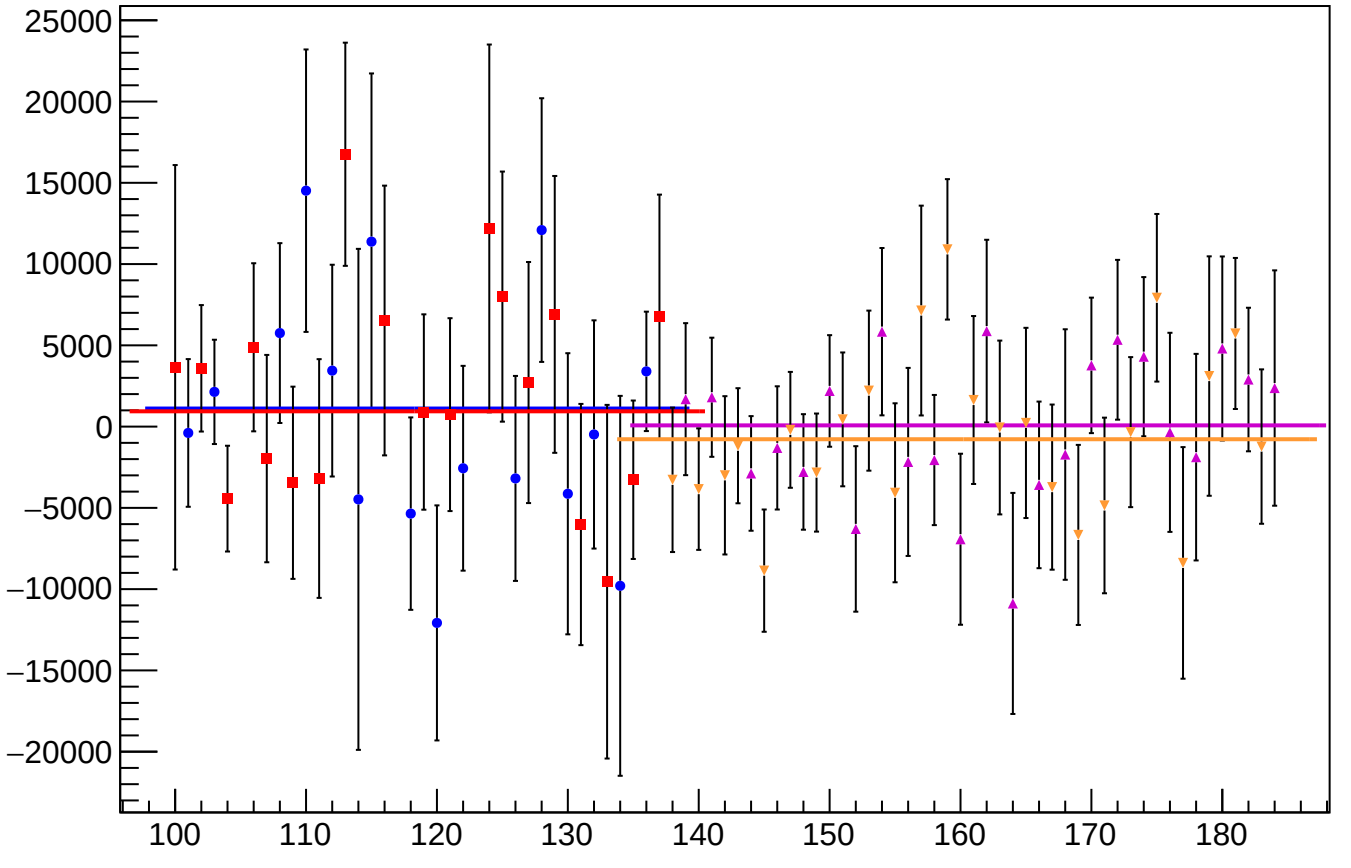
Left: 1826.915+/-0.211 χ^2/NDF: 32649.5/46

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1844.156+/-0.260 χ^2/NDF:726276.3/38

Out: 1842.316+/-0.254 χ^2/NDF:244004.7/42

All: 1843.216+/-0.182 χ^2/NDF: 970306.7/81



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: 75.789+/-980.241 χ^2/NDF:15.4/22

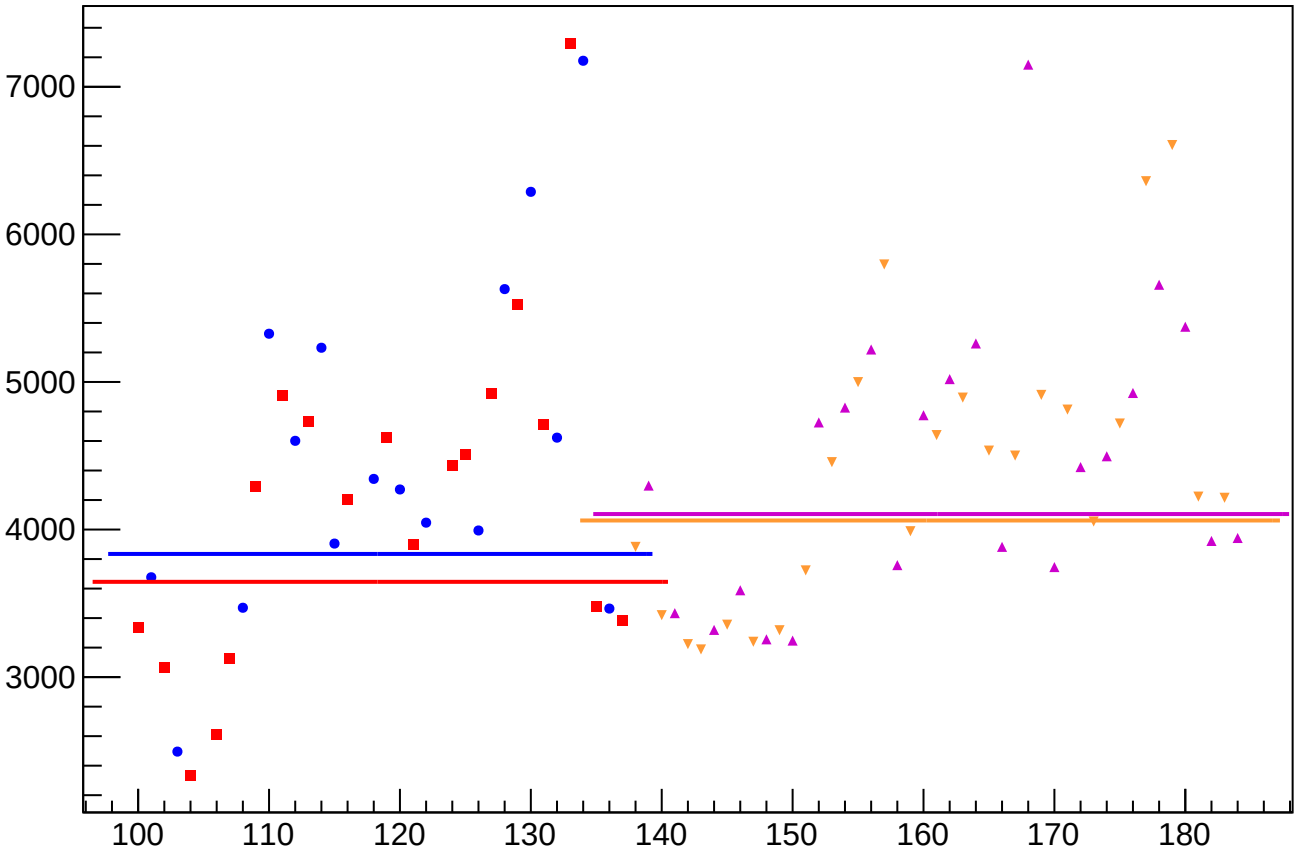
Left: -362.545+/-683.370 χ^2/NDF: 40.2/46

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 391.771+/-817.149 χ^2/NDF:29.2/38

Out: -232.422+/-787.726 χ^2/NDF:41.6/42

All: 68.234+/-567.123 χ^2/NDF: 71.0/81



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: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

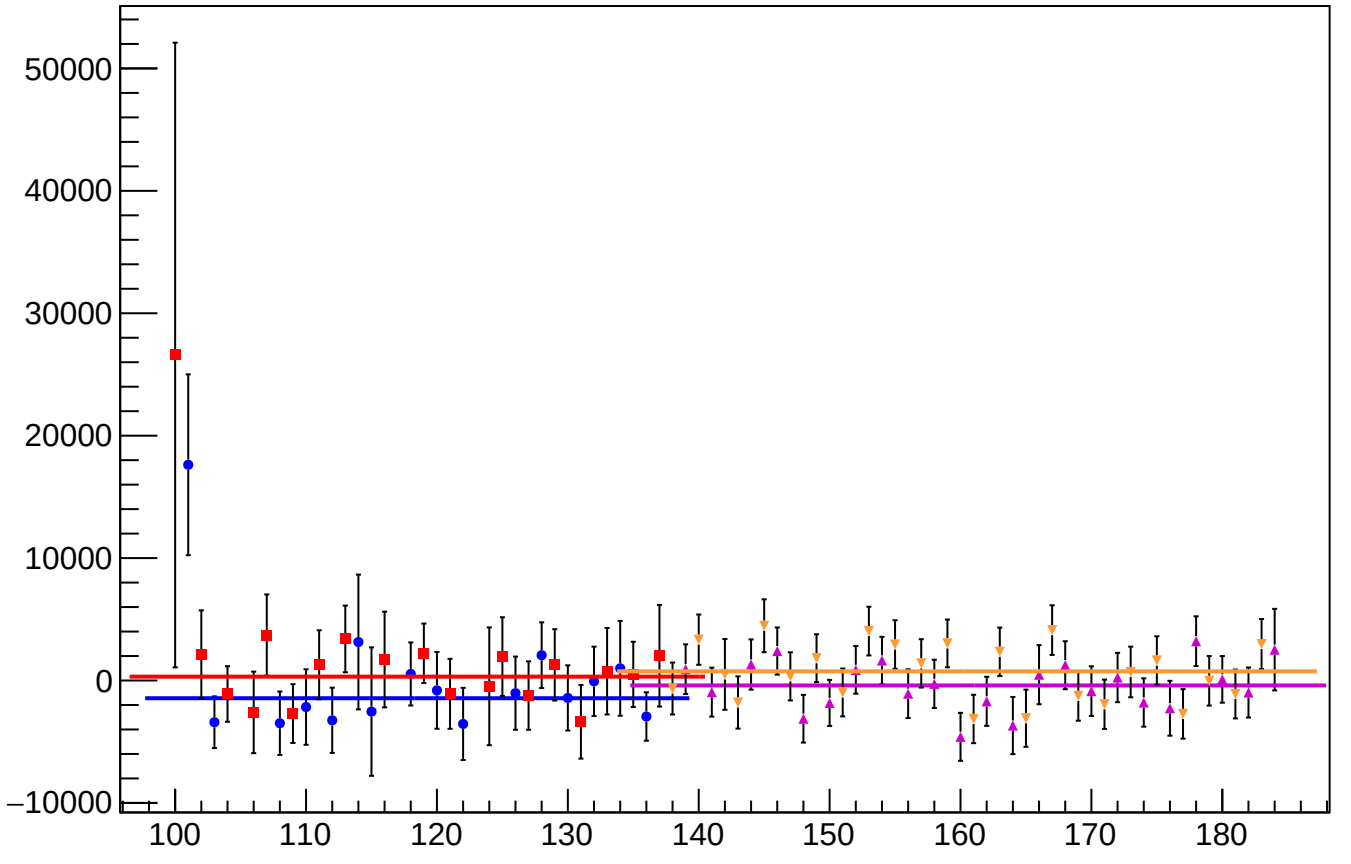
Left: 4082.631+/-0.483 χ^2/NDF: 2766101.5/46

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 4022.569+/-0.578 χ^2/NDF:2362229.0/38

Out: 3929.623+/-0.557 χ^2/NDF:2650171.9/42

All: 3974.393+/-0.401 χ^2/NDF: 5025812.8/81



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: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 185.219+/-298.532 χ^2/NDF: 55.5/46

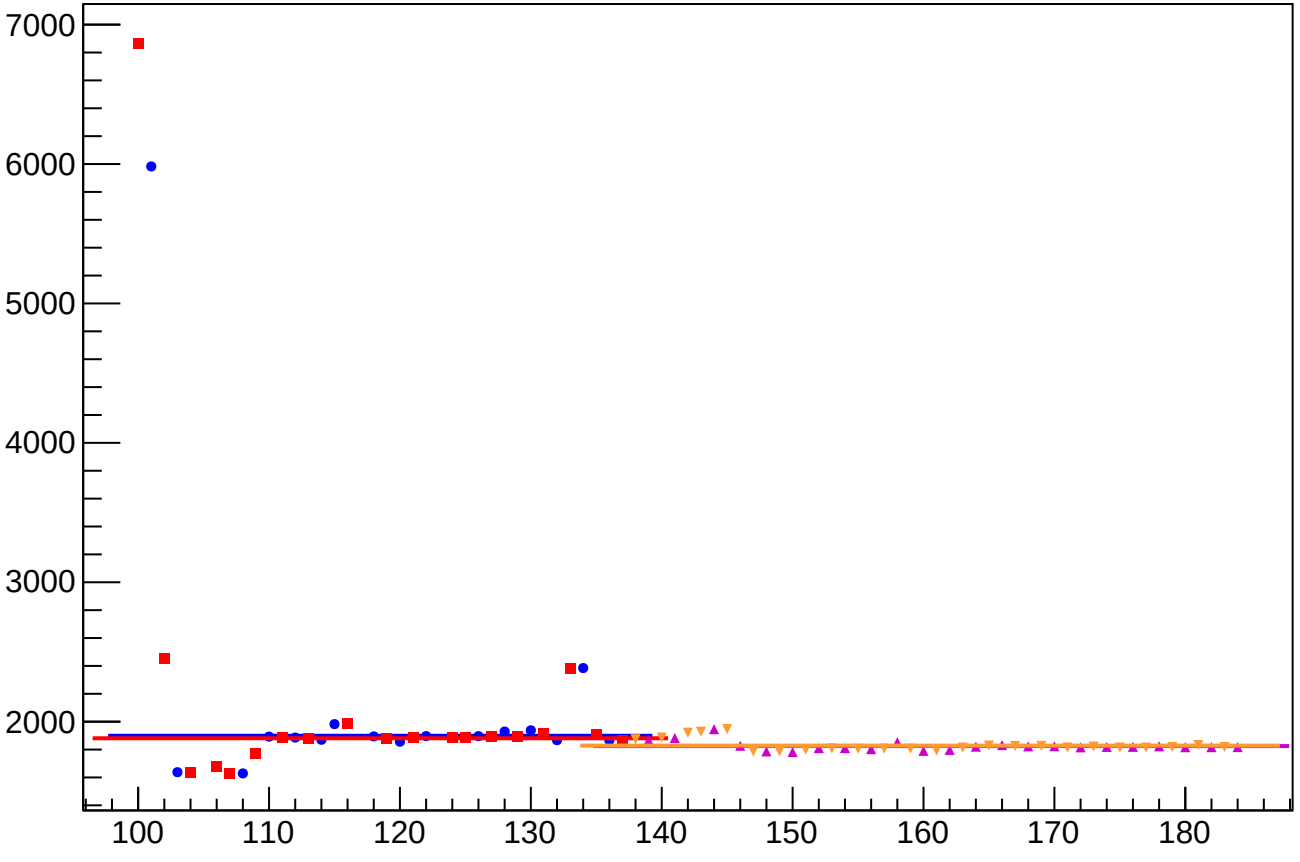
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -672.135+/-367.183 χ^2/NDF:35.8/38

Out: 637.793+/-359.540 χ^2/NDF:41.2/42

All: -3.395+/-256.893 χ^2/NDF: 83.5/81

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: 1825.165+/-0.301 χ^2/NDF:13360.2/22

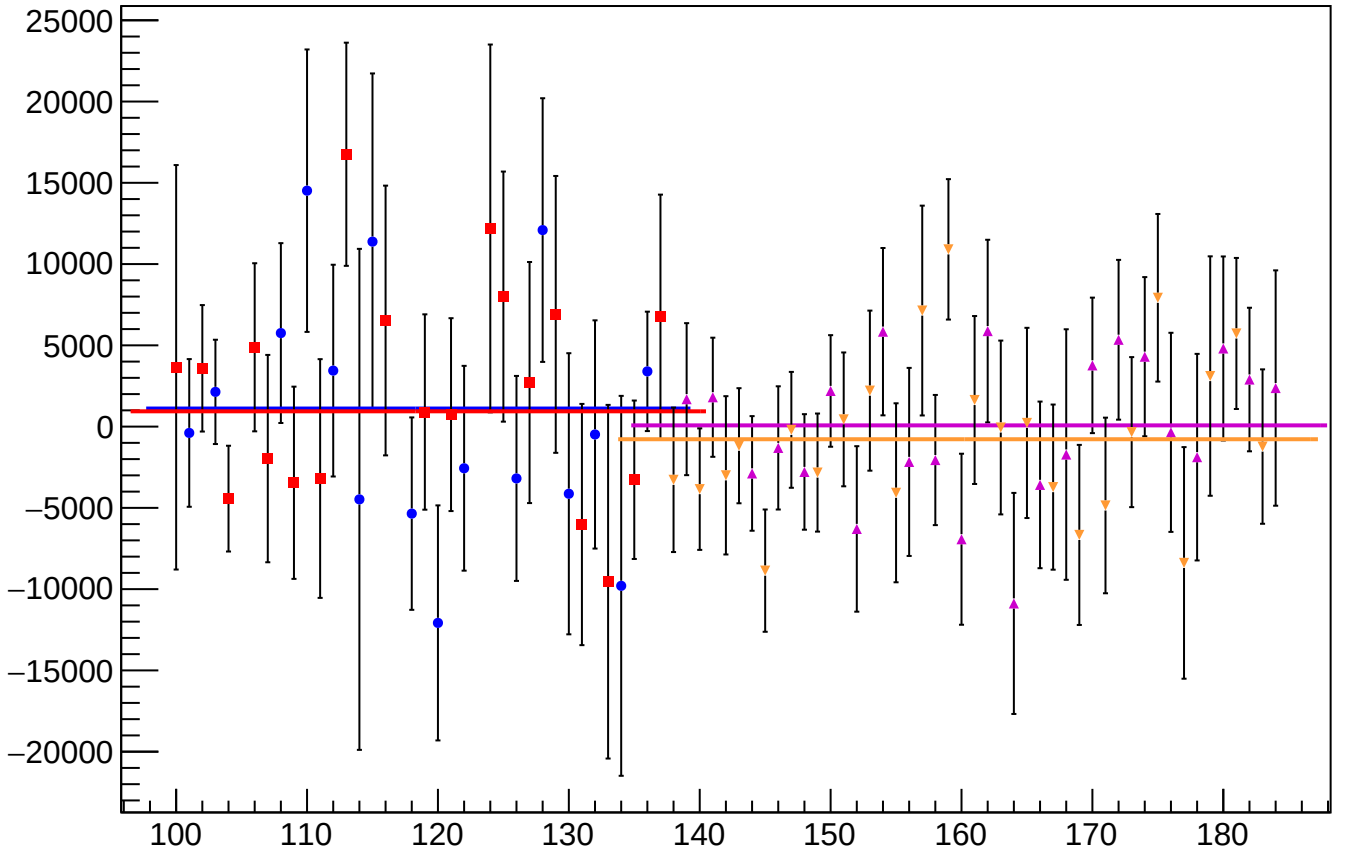
Left: 1826.915+/-0.211 χ^2/NDF: 32649.5/46

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1844.156+/-0.260 χ^2/NDF:726276.3/38

Out: 1842.316+/-0.254 χ^2/NDF:244004.7/42

All: 1843.216+/-0.182 χ^2/NDF: 970306.7/81



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: 75.789+/-980.241 χ^2/NDF:15.4/22

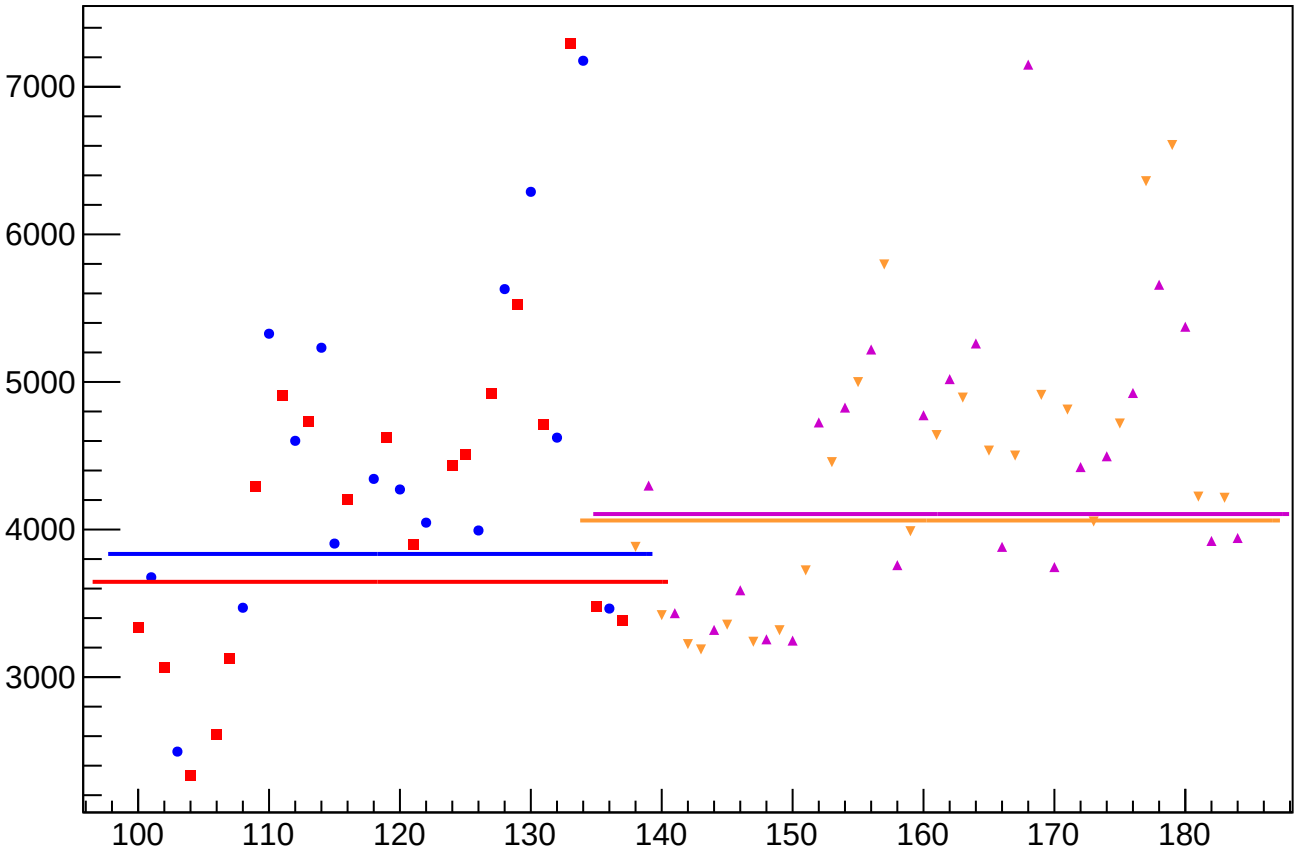
Left: -362.545+/-683.370 χ^2/NDF: 40.2/46

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 391.771+/-817.149 χ^2/NDF:29.2/38

Out: -232.422+/-787.726 χ^2/NDF:41.6/42

All: 68.234+/-567.123 χ^2/NDF: 71.0/81



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: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4082.631+/-0.483 χ^2/NDF: 2766101.5/46

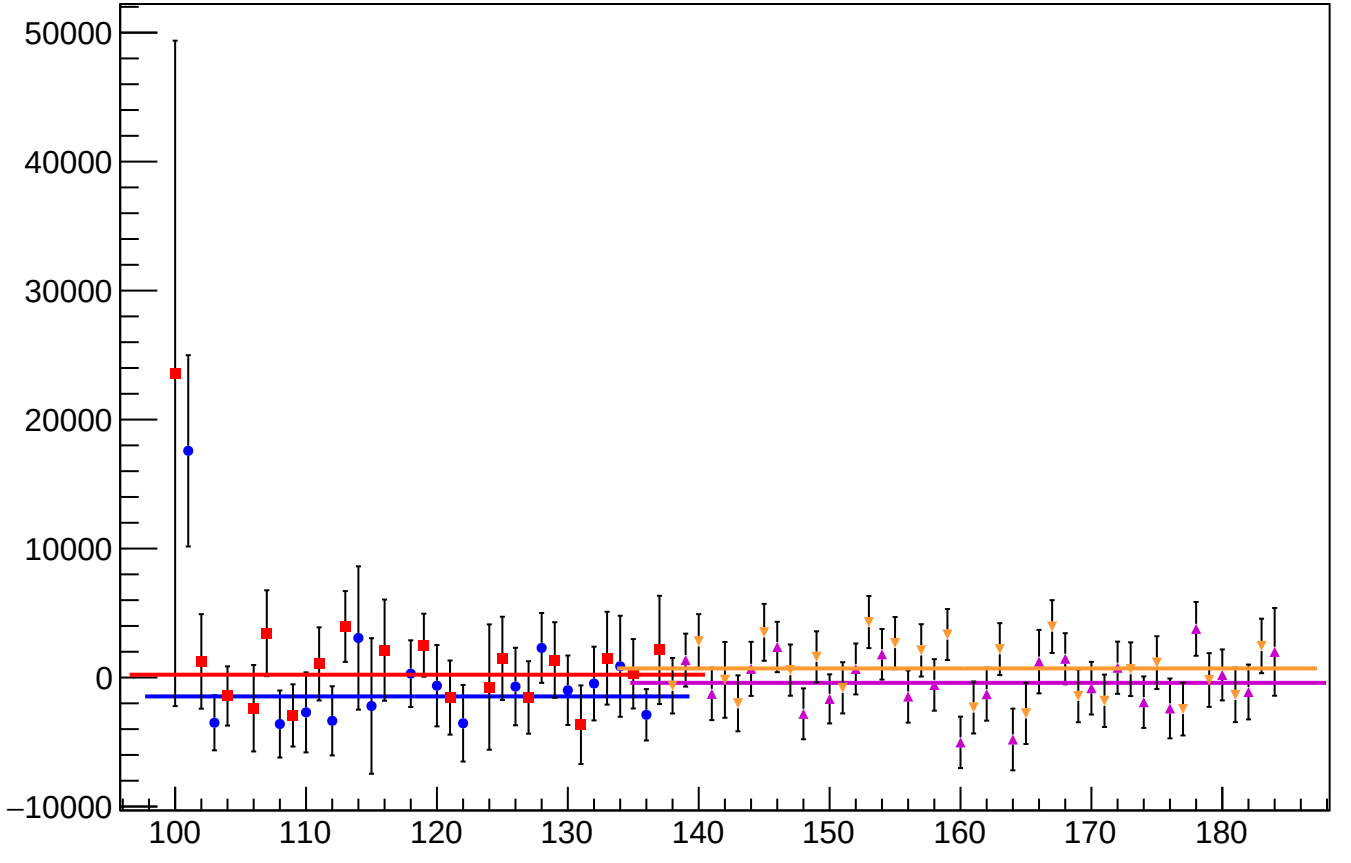
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 4022.569+/-0.578 χ^2/NDF:2362229.0/38

Out: 3929.623+/-0.557 χ^2/NDF:2650171.9/42

All: 3974.393+/-0.401 χ^2/NDF: 5025812.8/81

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: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 157.950+/-303.997 χ^2/NDF: 53.1/46

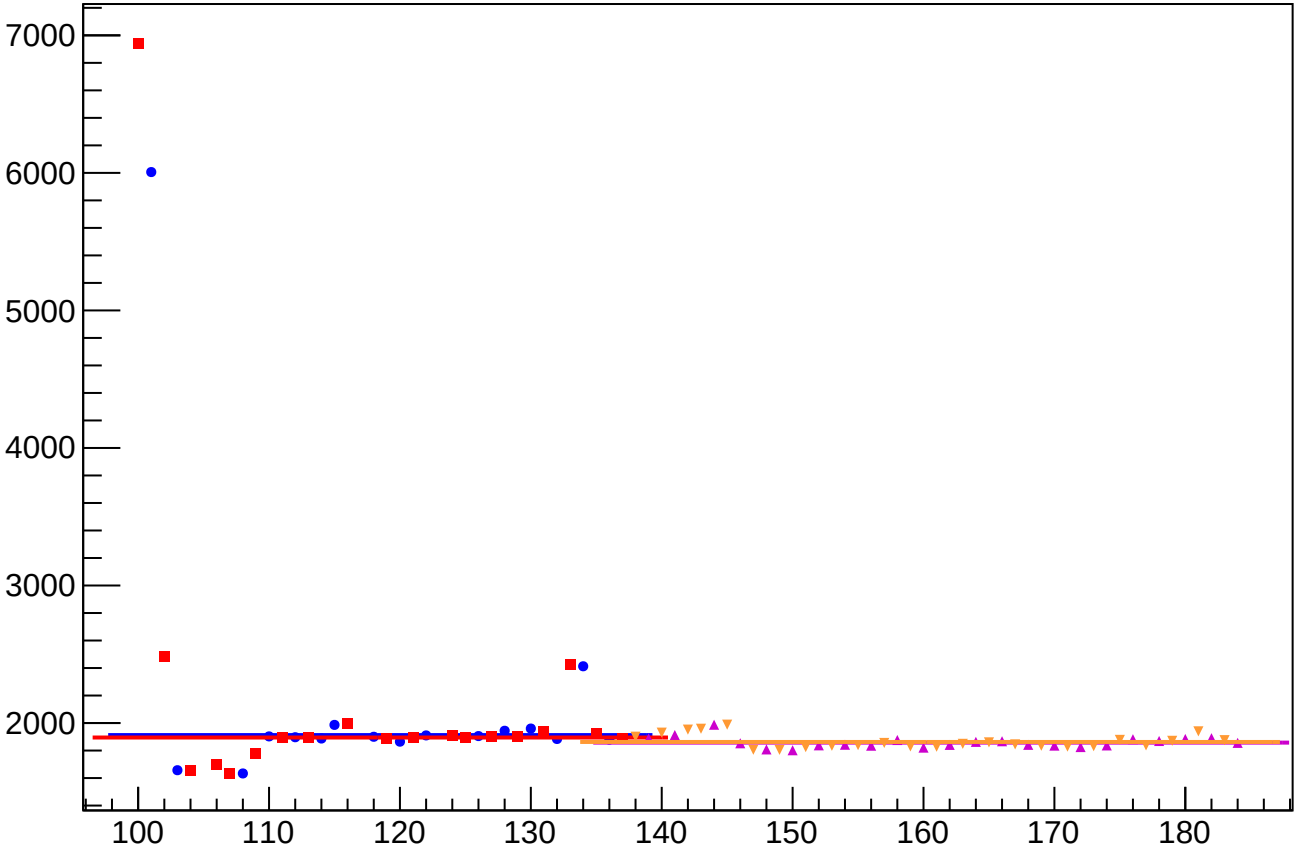
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -686.366+/-372.728 χ^2/NDF:38.7/38

Out: 577.356+/-365.188 χ^2/NDF:37.3/42

All: -41.593+/-260.852 χ^2/NDF: 81.9/81

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: 1857.661+/-0.307 χ^2/NDF:16381.0/22

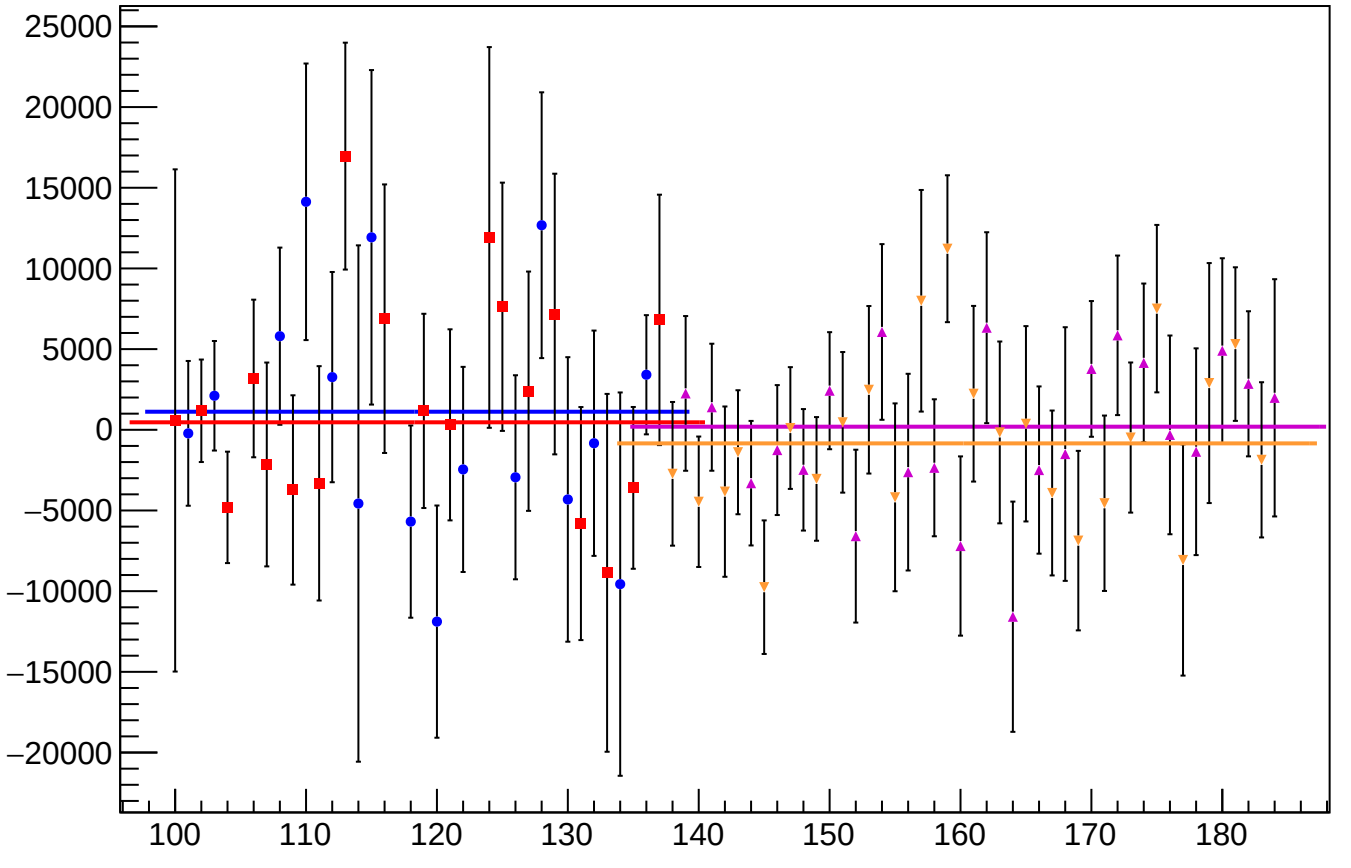
Left: 1860.089+/-0.215 χ^2/NDF: 42136.2/46

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1871.993+/-0.264 χ^2/NDF:720934.0/38

Out: 1871.027+/-0.258 χ^2/NDF:248475.0/42

All: 1871.500+/-0.184 χ^2/NDF: 969415.9/81



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -841.675+/-996.953 χ^2/NDF:23.8/23

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

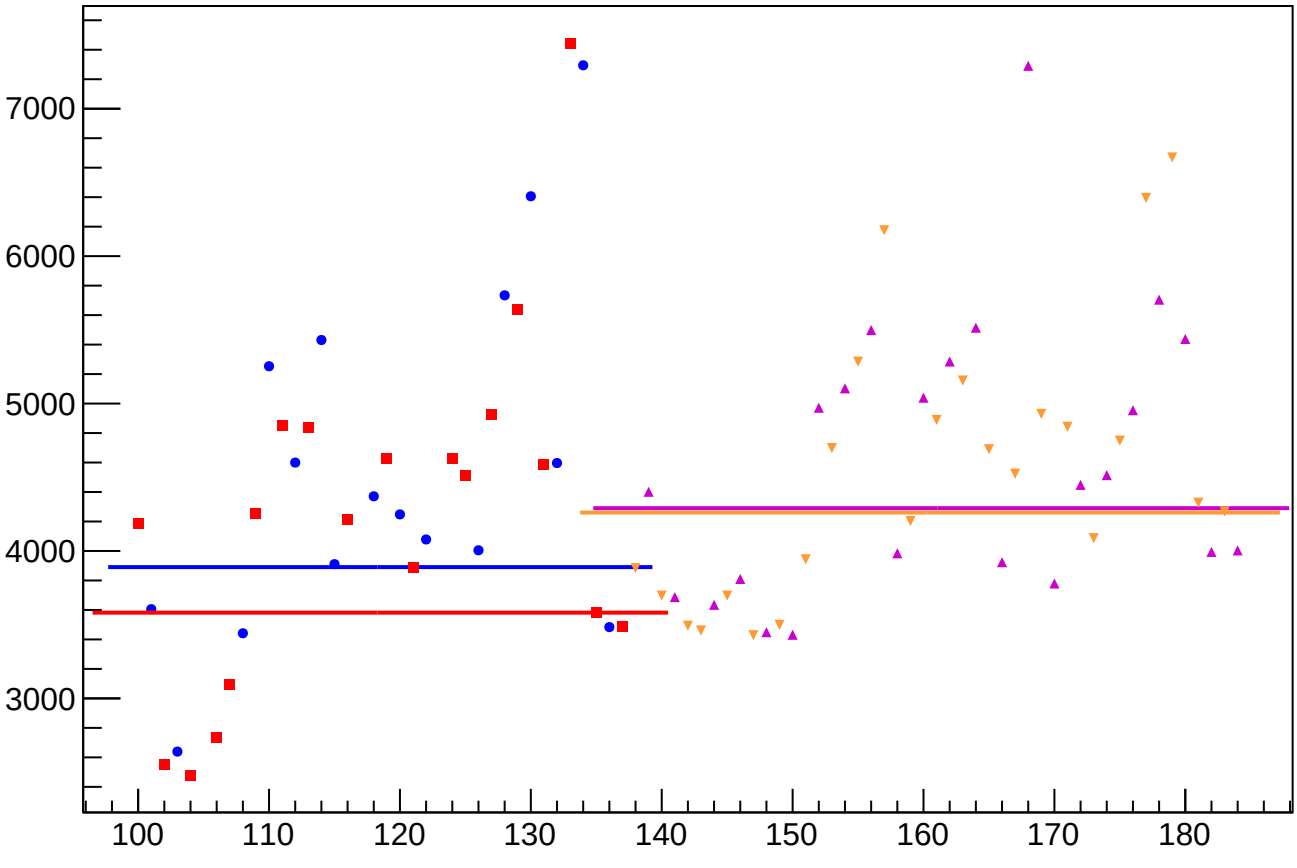
Left: -337.660+/-713.803 χ^2/NDF: 39.5/46

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 487.409+/-844.443 χ^2/NDF:28.9/38

Out: -389.858+/-806.273 χ^2/NDF:39.4/42

All: 28.502+/-583.148 χ^2/NDF: 68.9/81



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: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

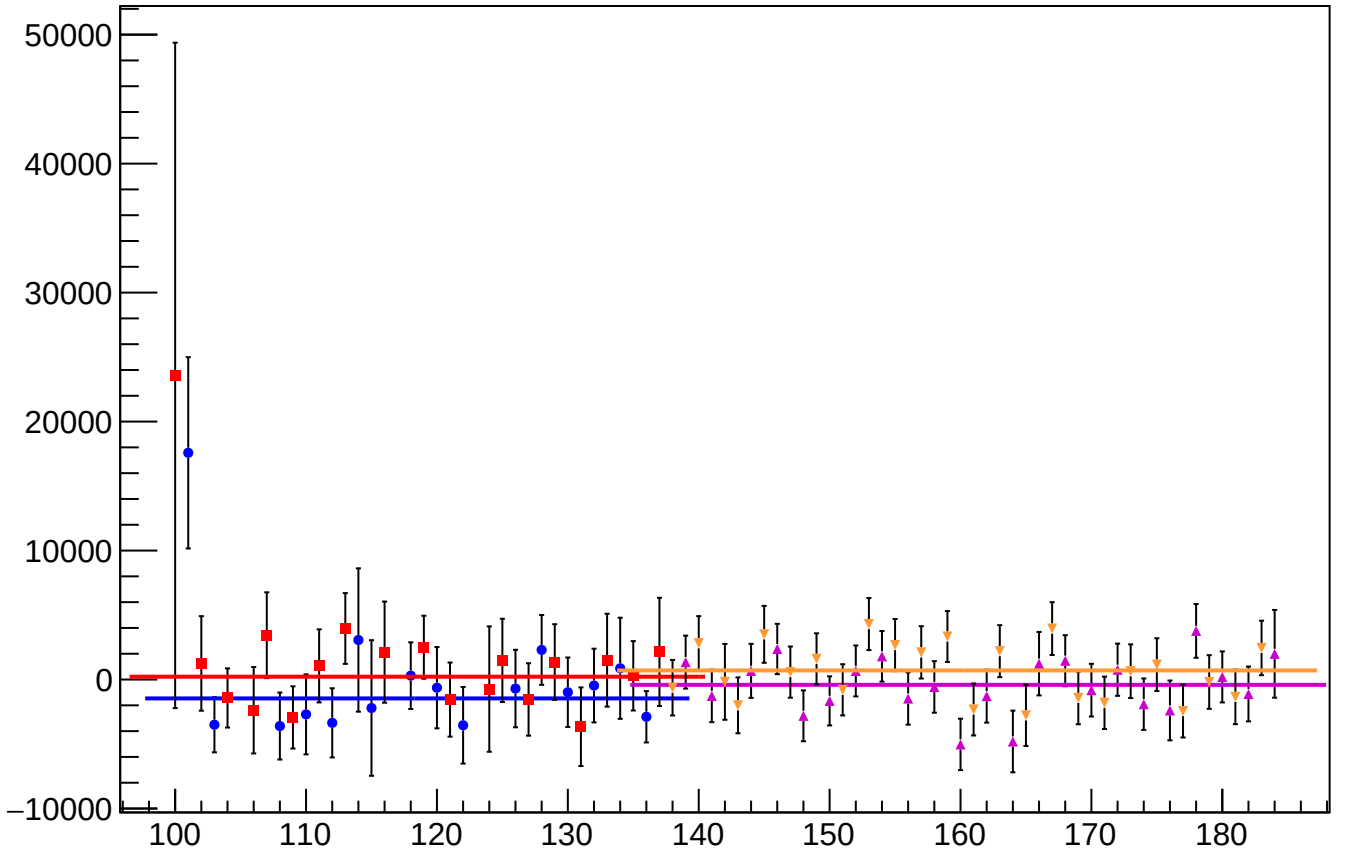
Left: 4275.245+/-0.505 χ^2/NDF: 2405371.1/46

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4163.331+/-0.597 χ^2/NDF:2189542.0/38

Out: 4025.923+/-0.570 χ^2/NDF:2733401.9/42

All: 4091.452+/-0.412 χ^2/NDF: 4950645.7/81



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: -410.869+/-433.856 χ^2/NDF:23.6/22

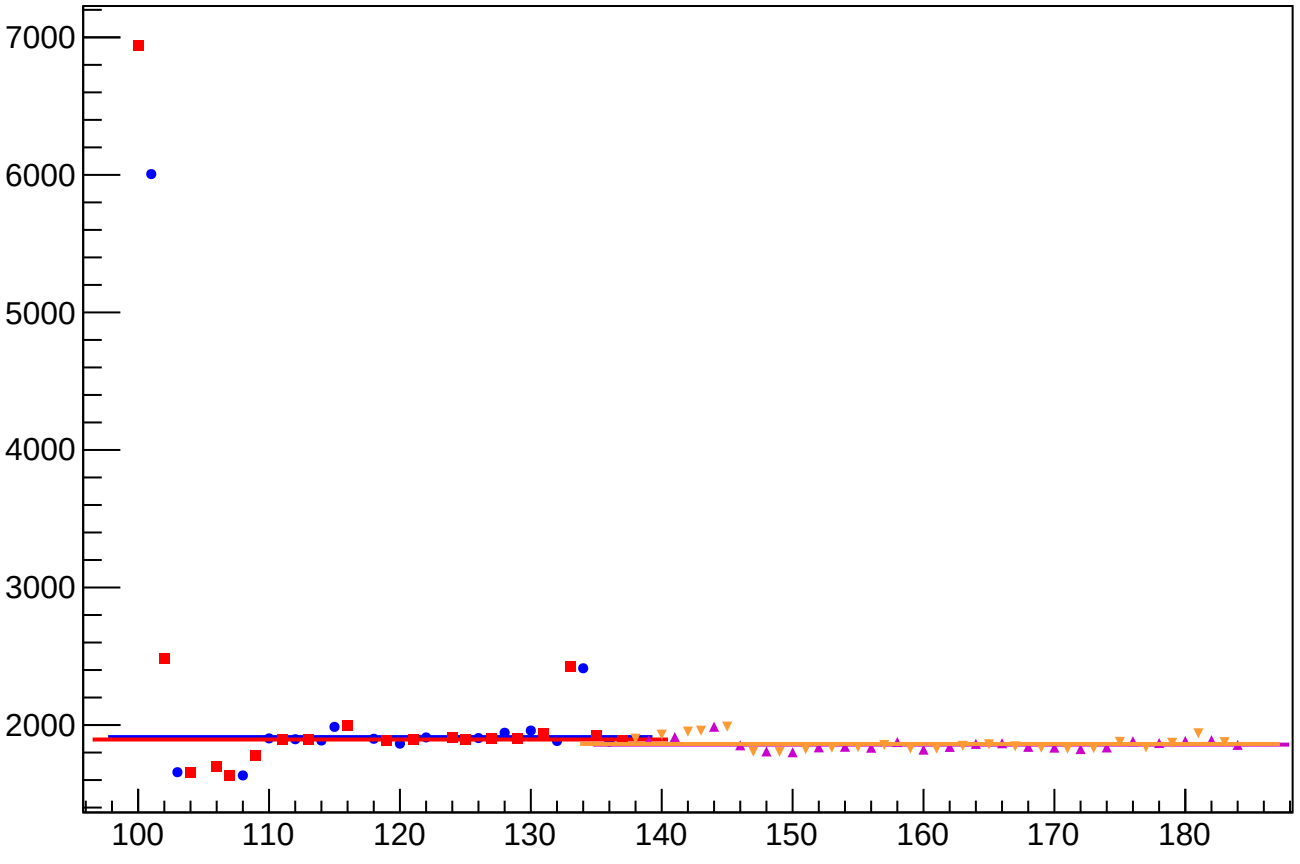
Left: 157.953+/-303.998 χ^2/NDF: 53.1/46

Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -686.367+/-372.729 χ^2/NDF:38.7/38

Out: 577.358+/-365.188 χ^2/NDF:37.3/42

All: -41.592+/-260.852 χ^2/NDF: 81.9/81



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: 1857.661+/-0.307 χ^2/NDF:16380.9/22

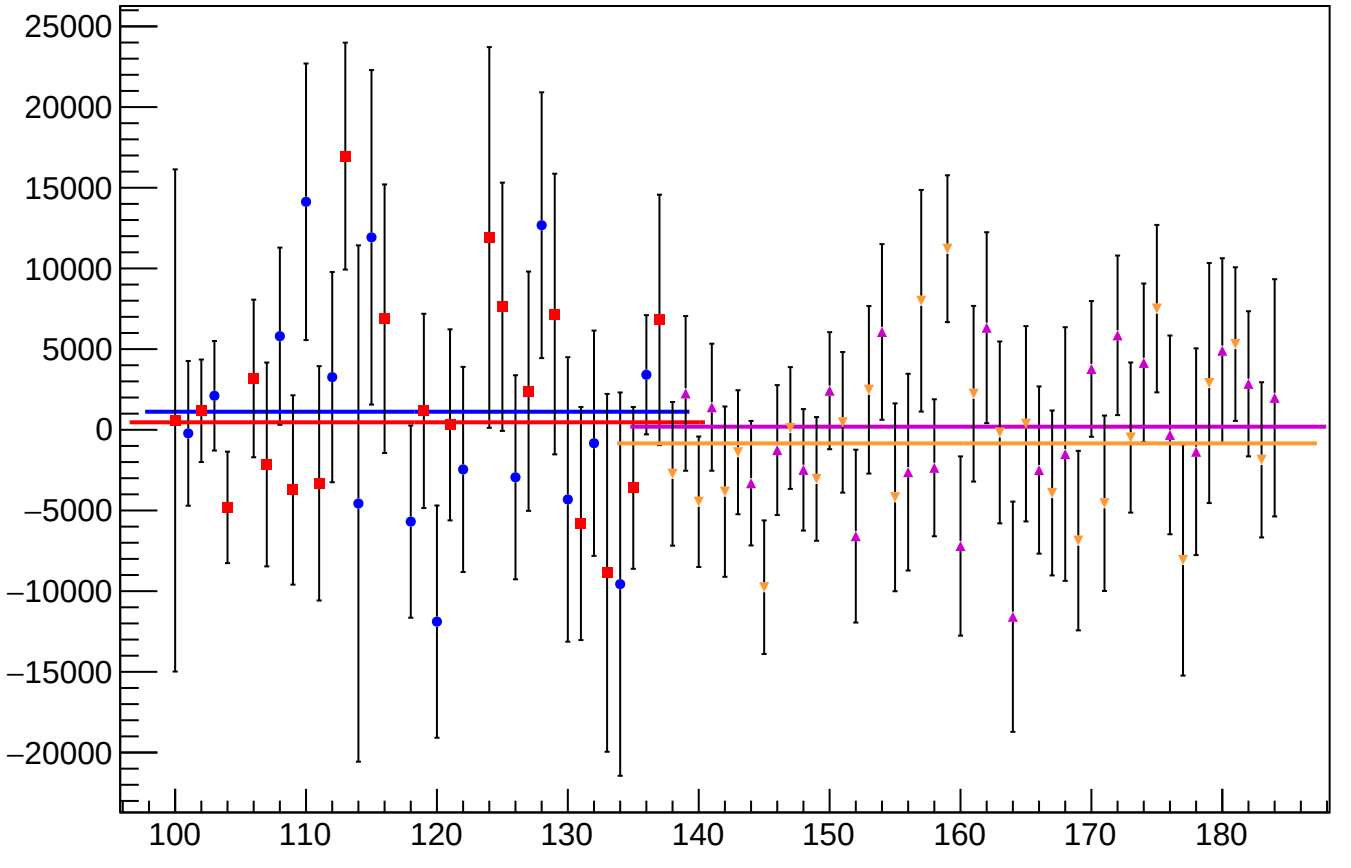
Left: 1860.090+/-0.215 χ^2/NDF: 42136.0/46

Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1871.994+/-0.264 χ^2/NDF:720933.6/38

Out: 1871.027+/-0.258 χ^2/NDF:248474.9/42

All: 1871.500+/-0.184 χ^2/NDF: 969415.3/81



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -841.673+/-996.955 χ^2/NDF:23.8/23

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

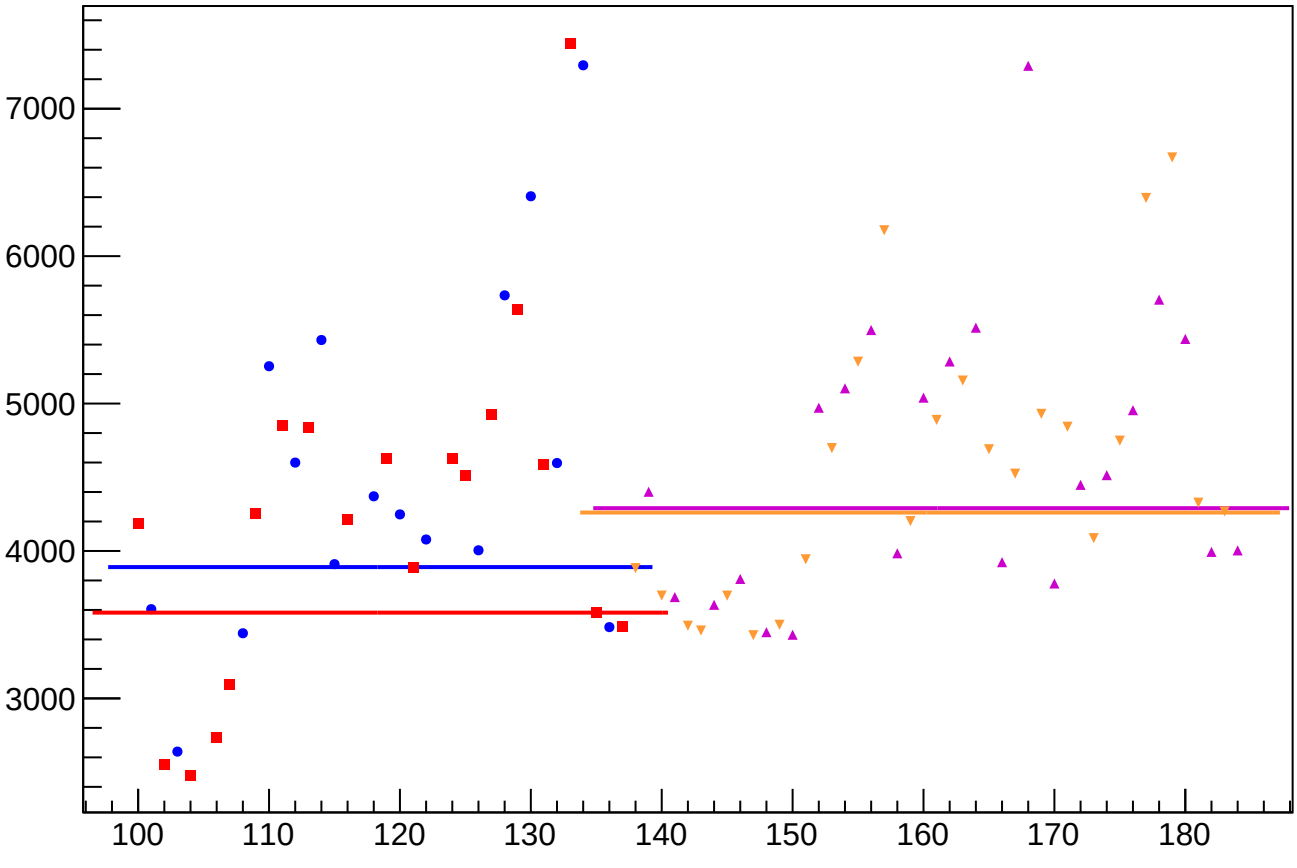
Left: -337.658+/-713.804 χ^2/NDF: 39.5/46

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 487.408+/-844.444 χ^2/NDF:28.9/38

Out: -389.856+/-806.274 χ^2/NDF:39.4/42

All: 28.502+/-583.149 χ^2/NDF: 68.9/81



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: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.252+/-0.505 χ^2/NDF: 2405379.8/46

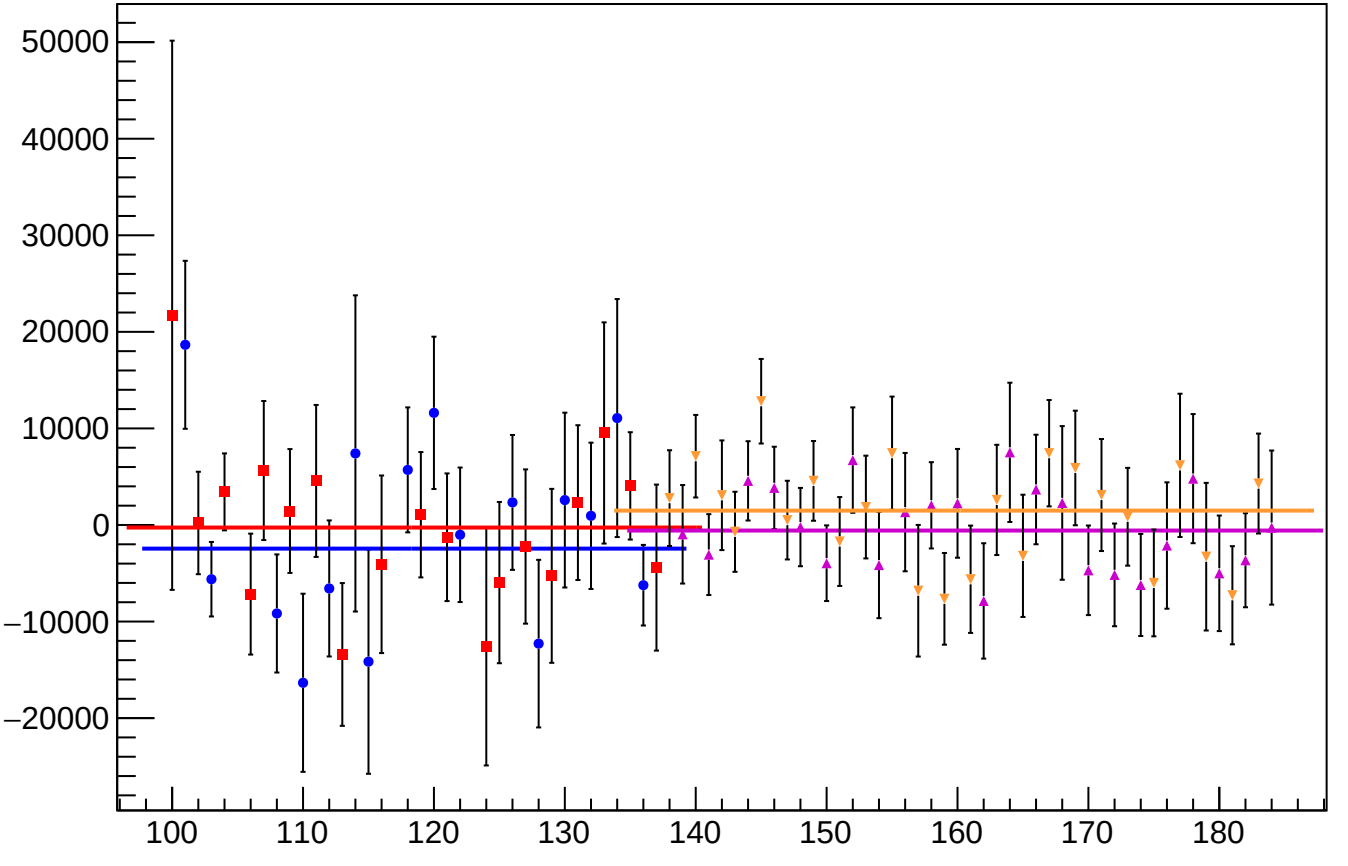
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4163.335+/-0.597 χ^2/NDF:2189543.4/38

Out: 4025.926+/-0.570 χ^2/NDF:2733405.5/42

All: 4091.455+/-0.412 χ^2/NDF: 4950650.7/81

asym_atr_dd_mean vs Slug, Sign Corrected



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: -576.442+/-1082.127 χ^2/NDF:14.4/22

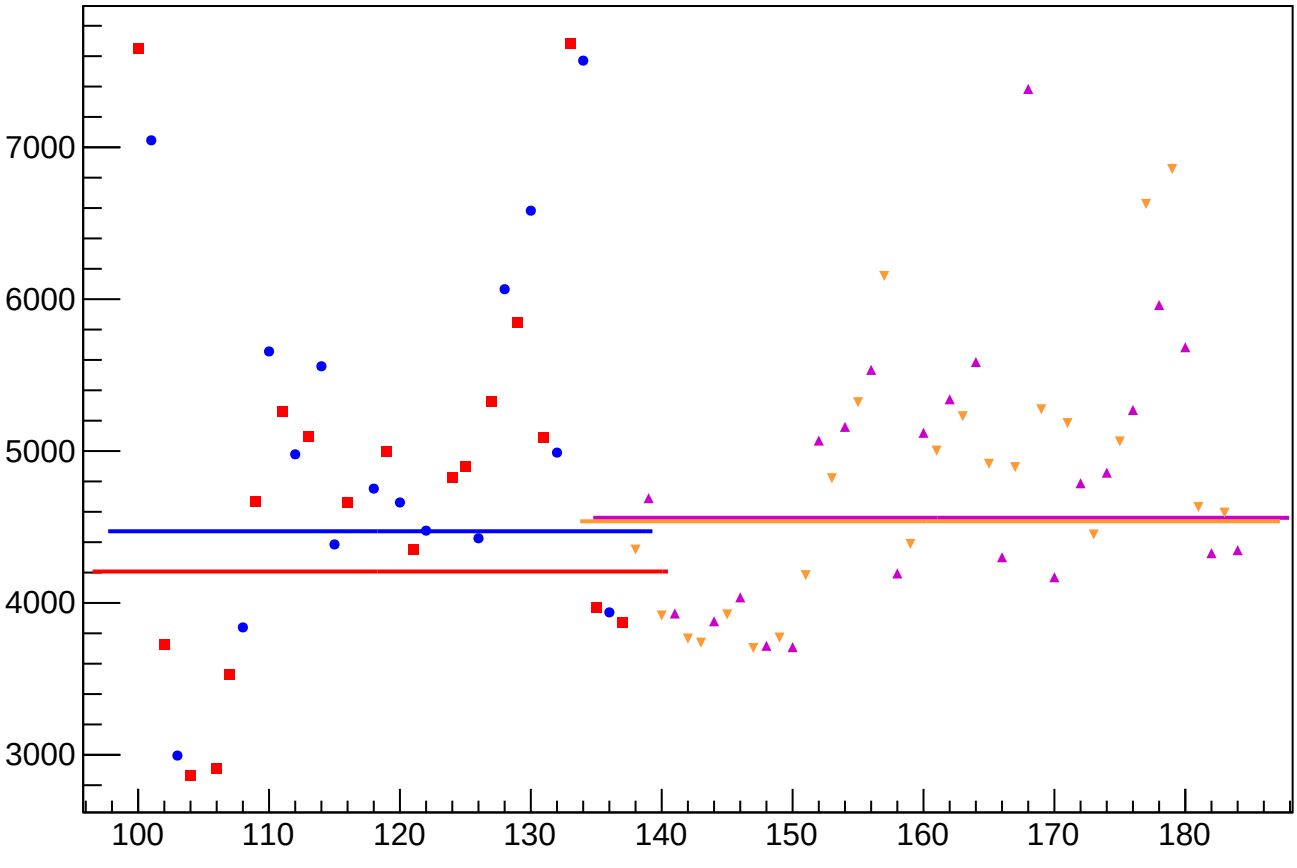
Left: 480.798+/-756.071 χ^2/NDF: 42.4/46

Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -1107.381+/-915.886 χ^2/NDF:36.1/38

Out: 966.398+/-885.545 χ^2/NDF:37.6/42

All: -35.573+/-636.631 χ^2/NDF: 76.4/81



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: 4560.506+/-0.765 χ^2/NDF:980201.3/22

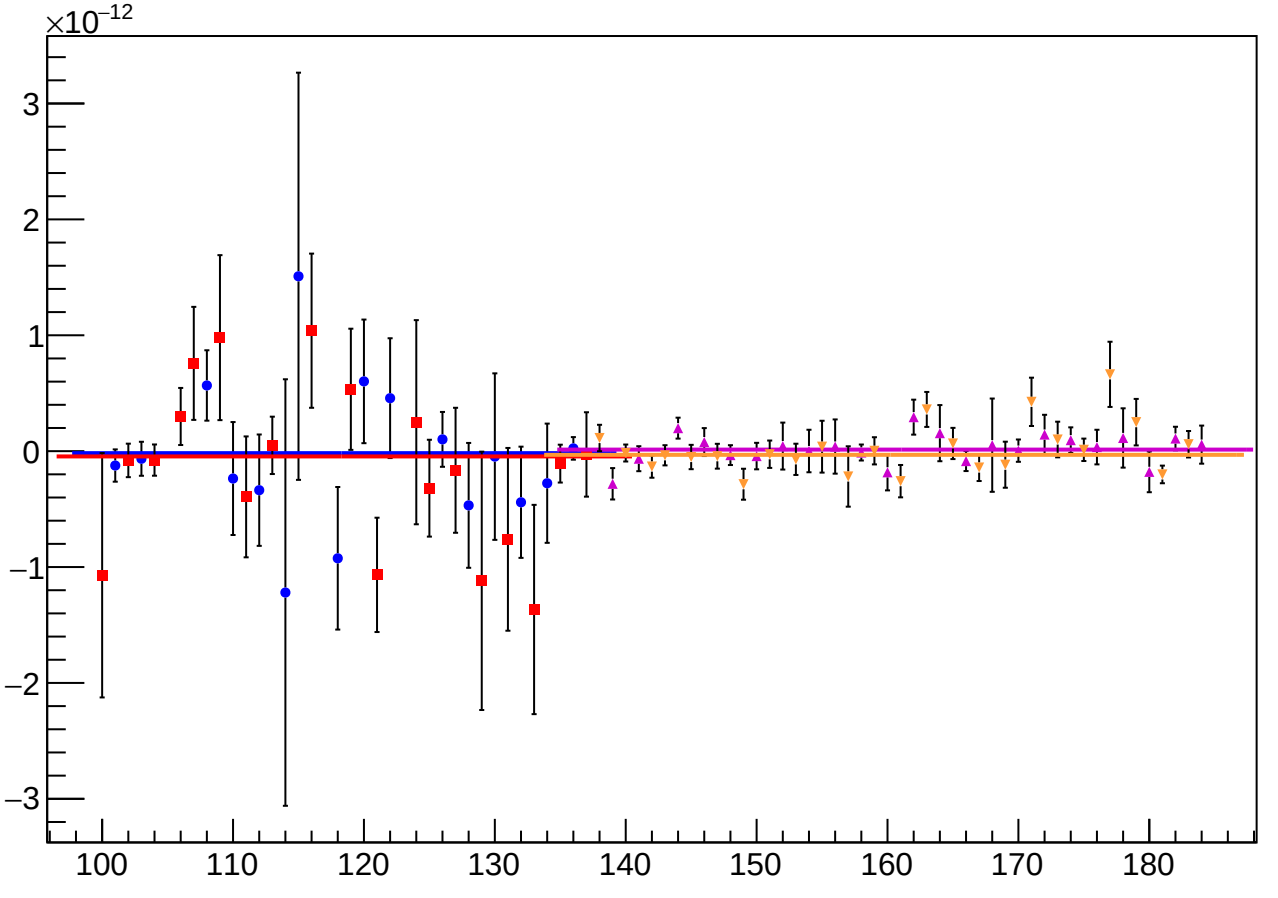
Left: 4548.766+/-0.535 χ^2/NDF: 1973549.1/46

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4535.374+/-0.648 χ^2/NDF:1875682.8/38

Out: 4437.941+/-0.625 χ^2/NDF:1898405.6/42

All: 4484.898+/-0.450 χ^2/NDF: 3785814.2/81



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:20.6/22

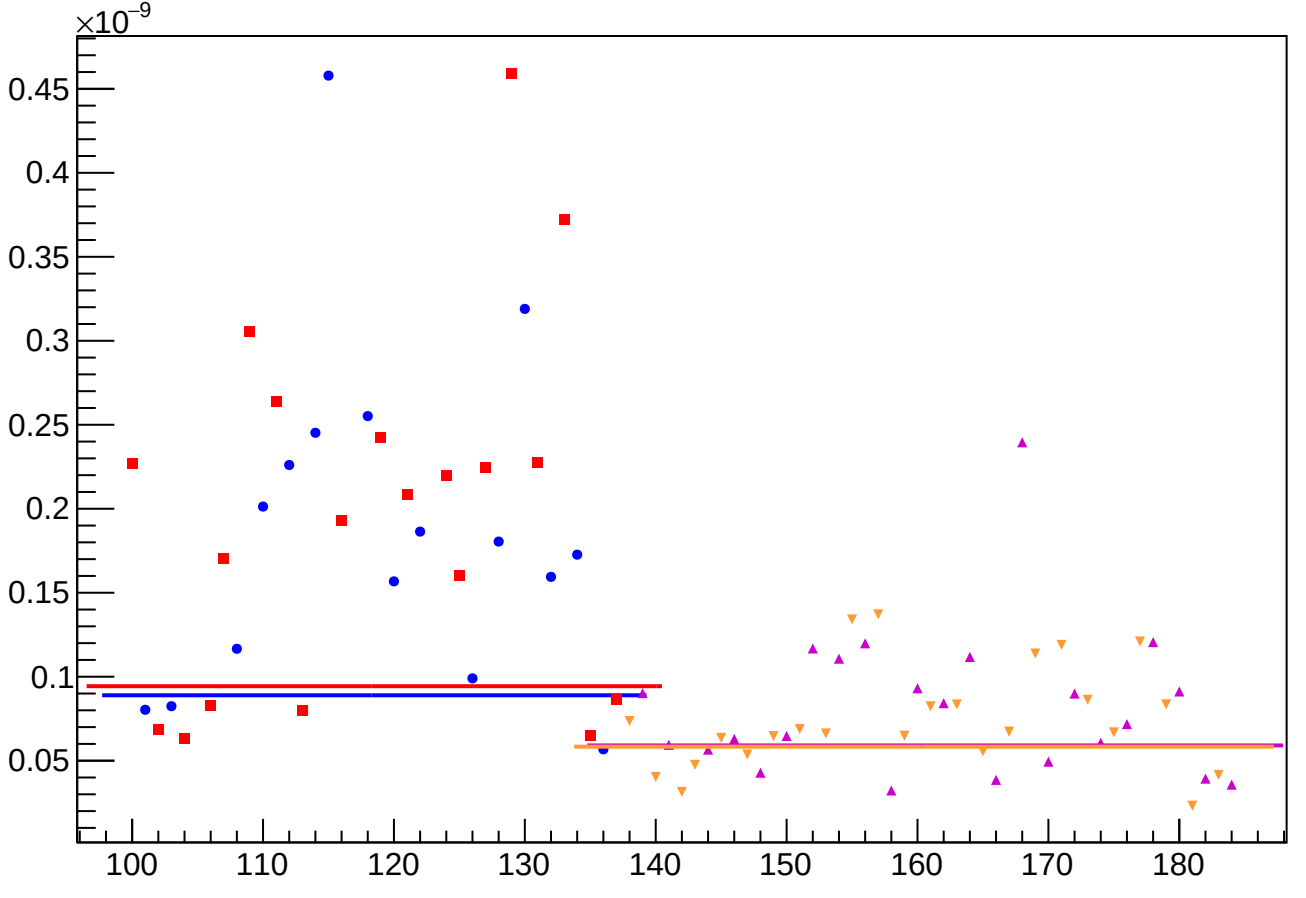
Left: -0.000+/-0.000 χ^2/NDF: 59.9/46

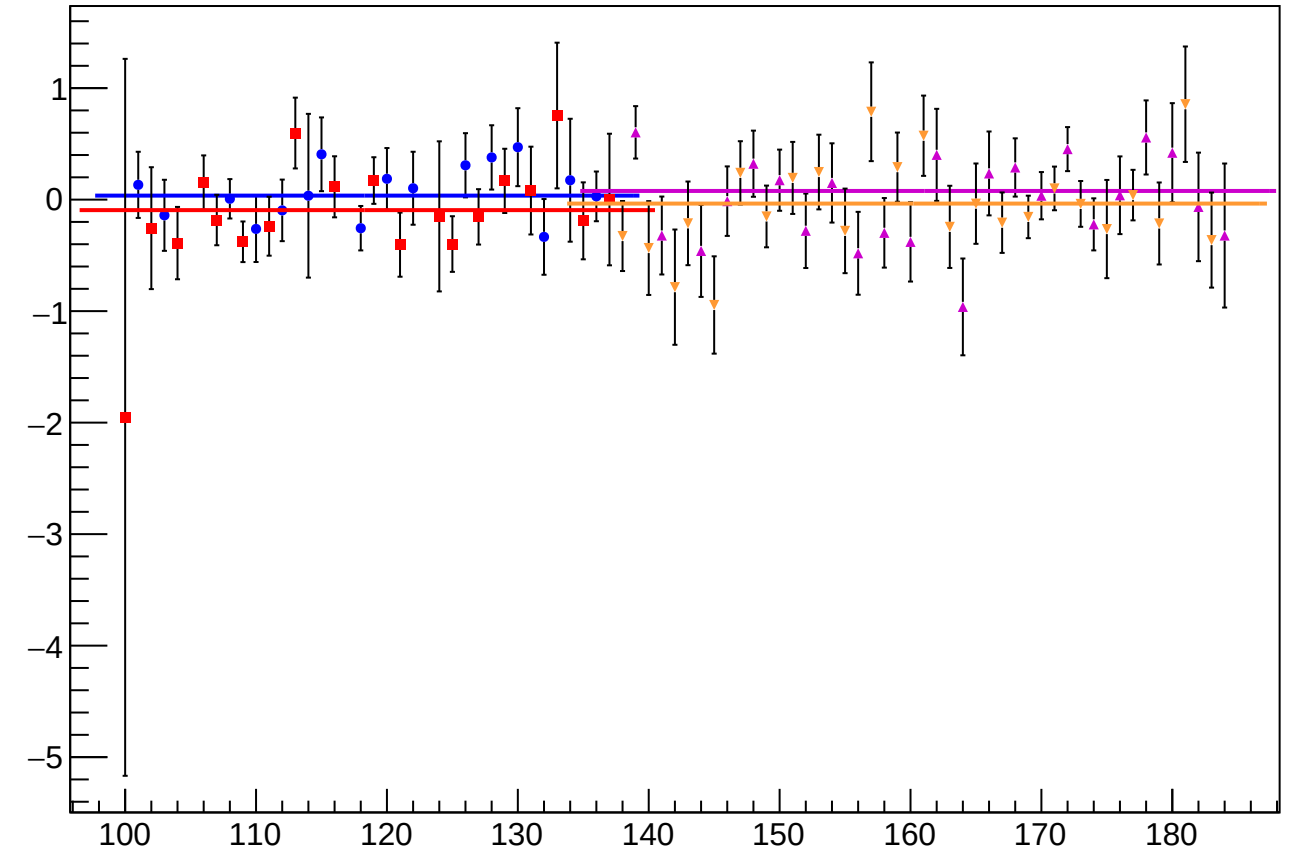
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:33.6/38

Out: -0.000+/-0.000 χ^2/NDF:58.8/42

All: -0.000+/-0.000 χ^2/NDF: 94.1/81


asym_atr_dd_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
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1230222.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1932715.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 1695078.0/18
Left In: 0.000+/-0.000 χ²/NDF:2104577.2/22
Left: 0.000+/-0.000 χ²/NDF: 4038151.8/46
Right: 0.000+/-0.000 χ²/NDF: 2932262.7/34
In: 0.000+/-0.000 χ²/NDF:3736779.5/38
Out: 0.000+/-0.000 χ²/NDF:4123122.8/42
All: 0.000+/-0.000 χ²/NDF: 7861984.1/81



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: 0.078+/-0.065 χ^2/NDF:31.1/22

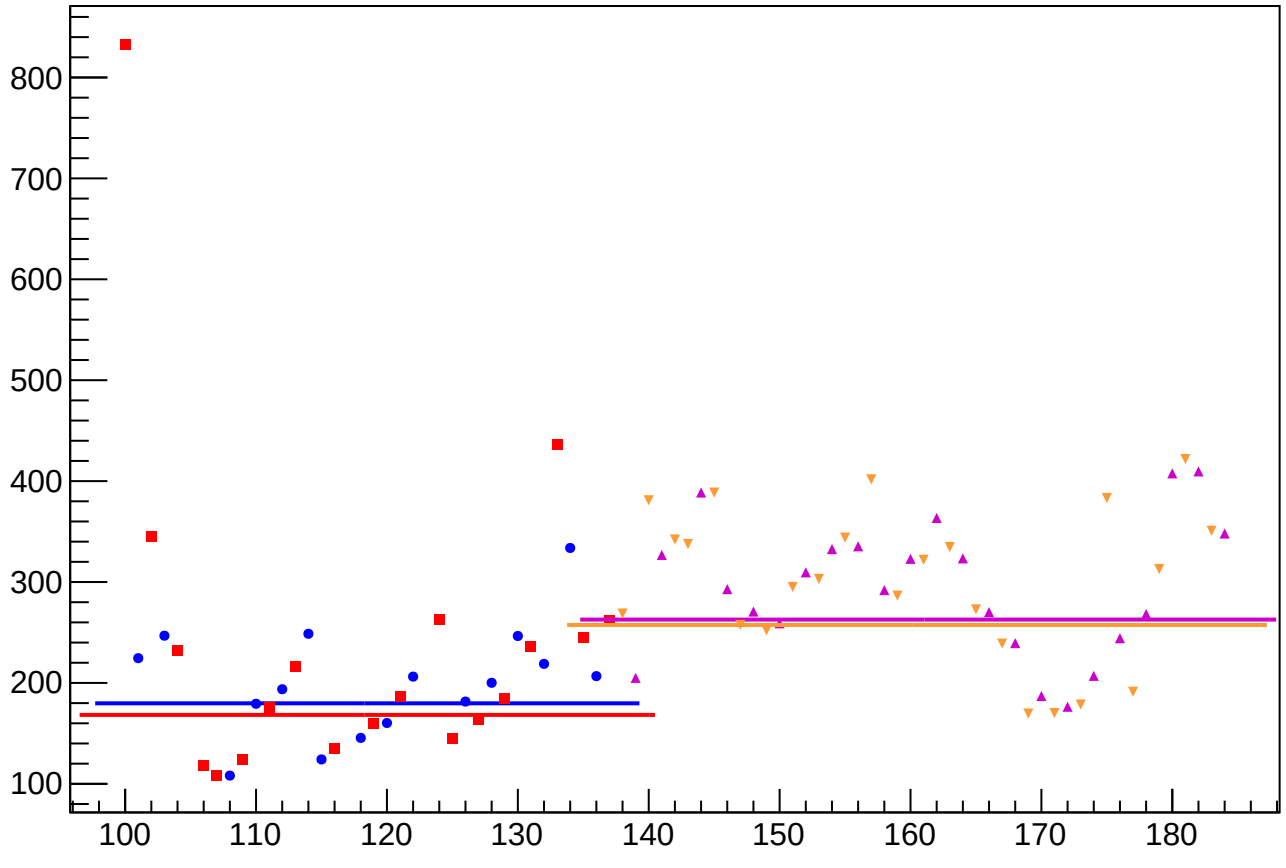
Left: 0.019+/-0.045 χ^2/NDF: 57.0/46

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.059+/-0.048 χ^2/NDF:41.8/38

Out: -0.063+/-0.046 χ^2/NDF:42.4/42

All: -0.004+/-0.033 χ^2/NDF: 87.5/81



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: 262.788+/-0.046 χ^2/NDF:2025363.4/22

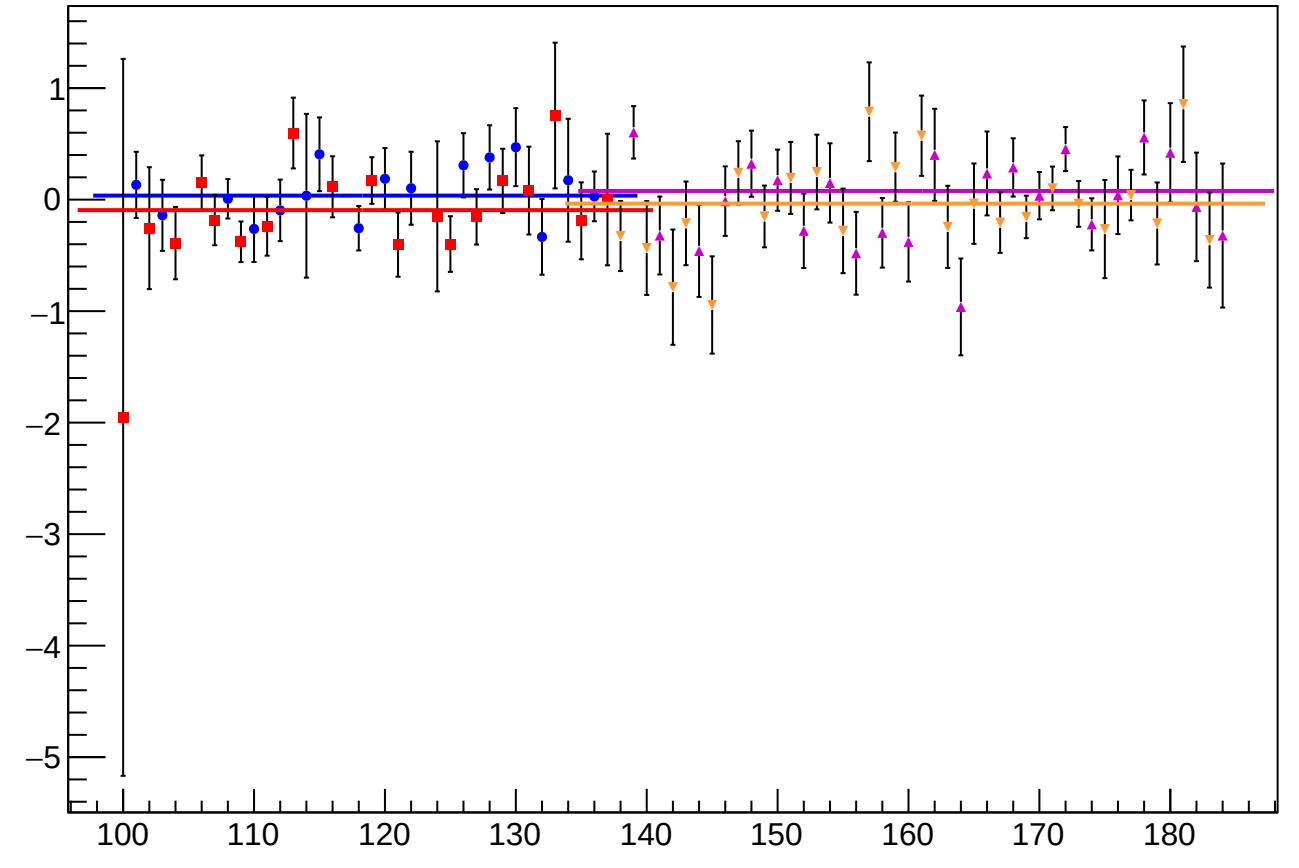
Left: 260.024+/-0.032 χ^2/NDF: 4891521.1/46

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 224.774+/-0.034 χ^2/NDF:4442594.7/38

Out: 216.159+/-0.033 χ^2/NDF:6131473.7/42

All: 220.307+/-0.023 χ^2/NDF: 10607796.2/81



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: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.019+/-0.045 χ^2/NDF: 57.0/46

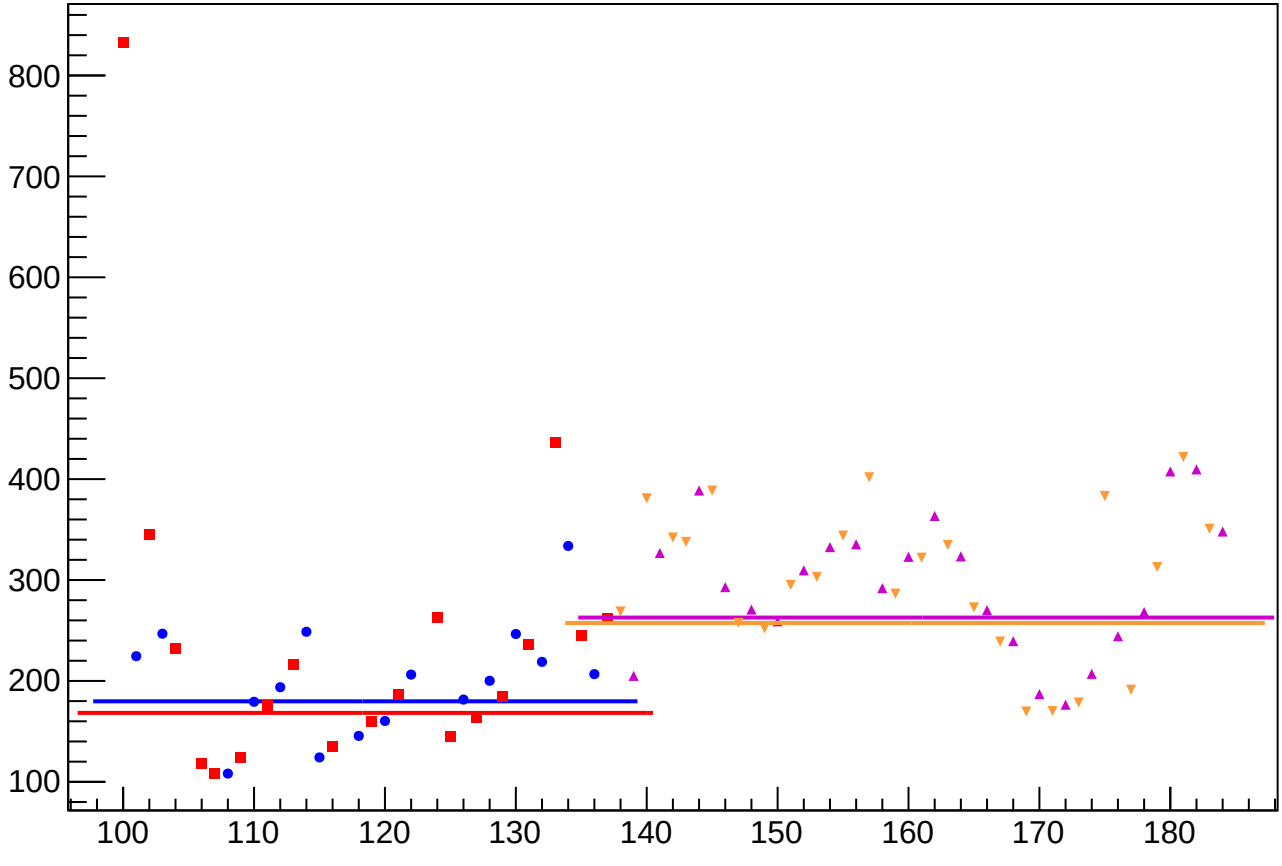
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.059+/-0.048 χ^2/NDF:41.8/38

Out: -0.063+/-0.046 χ^2/NDF:42.4/42

All: -0.004+/-0.033 χ^2/NDF: 87.5/81

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: 262.788+/-0.046 χ^2/NDF:2025363.4/22

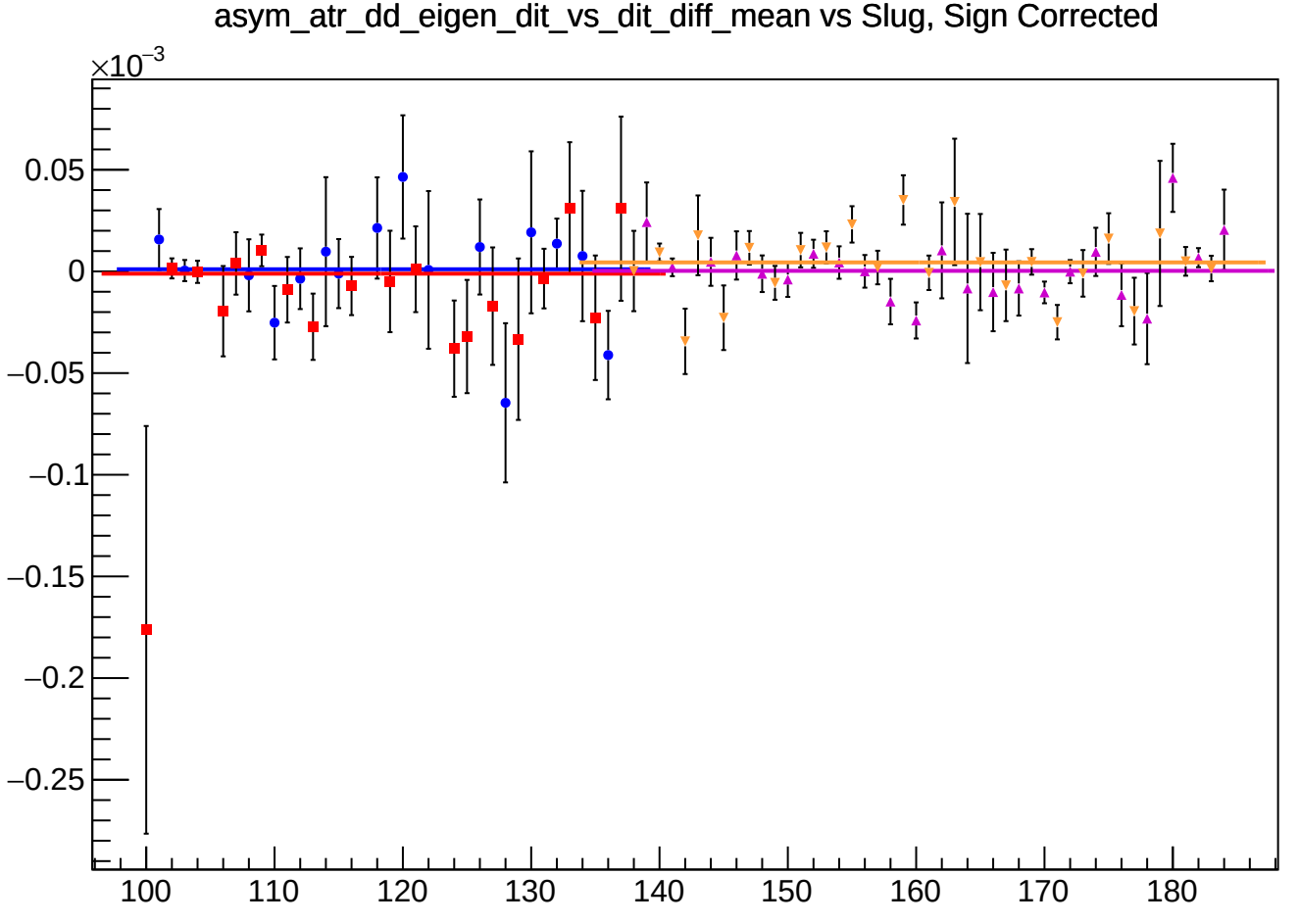
Left: 260.024+/-0.032 χ^2/NDF: 4891521.1/46

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 224.774+/-0.034 χ^2/NDF:4442594.7/38

Out: 216.159+/-0.033 χ^2/NDF:6131473.7/42

All: 220.307+/-0.023 χ^2/NDF: 10607796.2/81



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:31.2/22

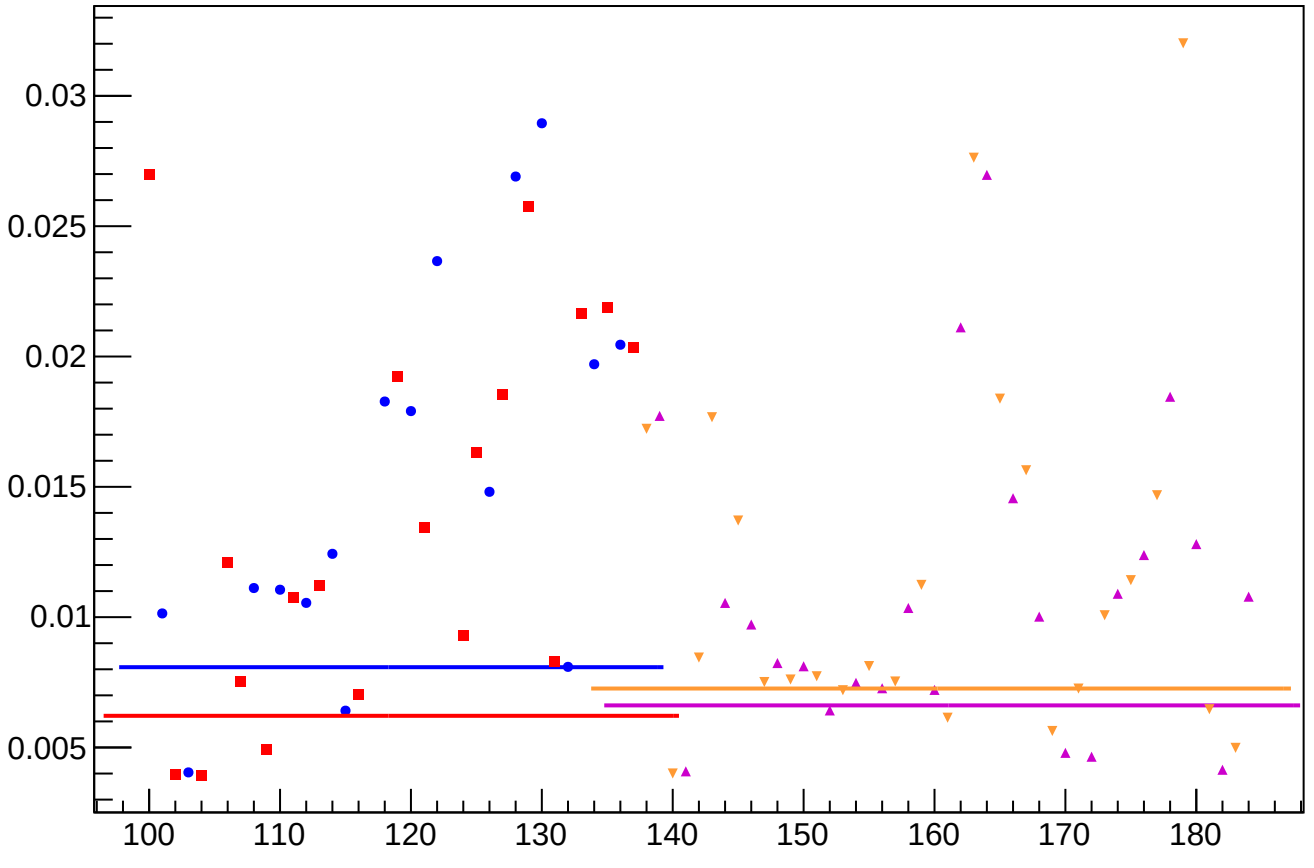
Left: 0.000+/-0.000 χ^2/NDF: 76.1/46

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:45.6/38

Out: 0.000+/-0.000 χ^2/NDF:61.0/42

All: 0.000+/-0.000 χ^2/NDF: 107.6/81



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:6410135.0/22

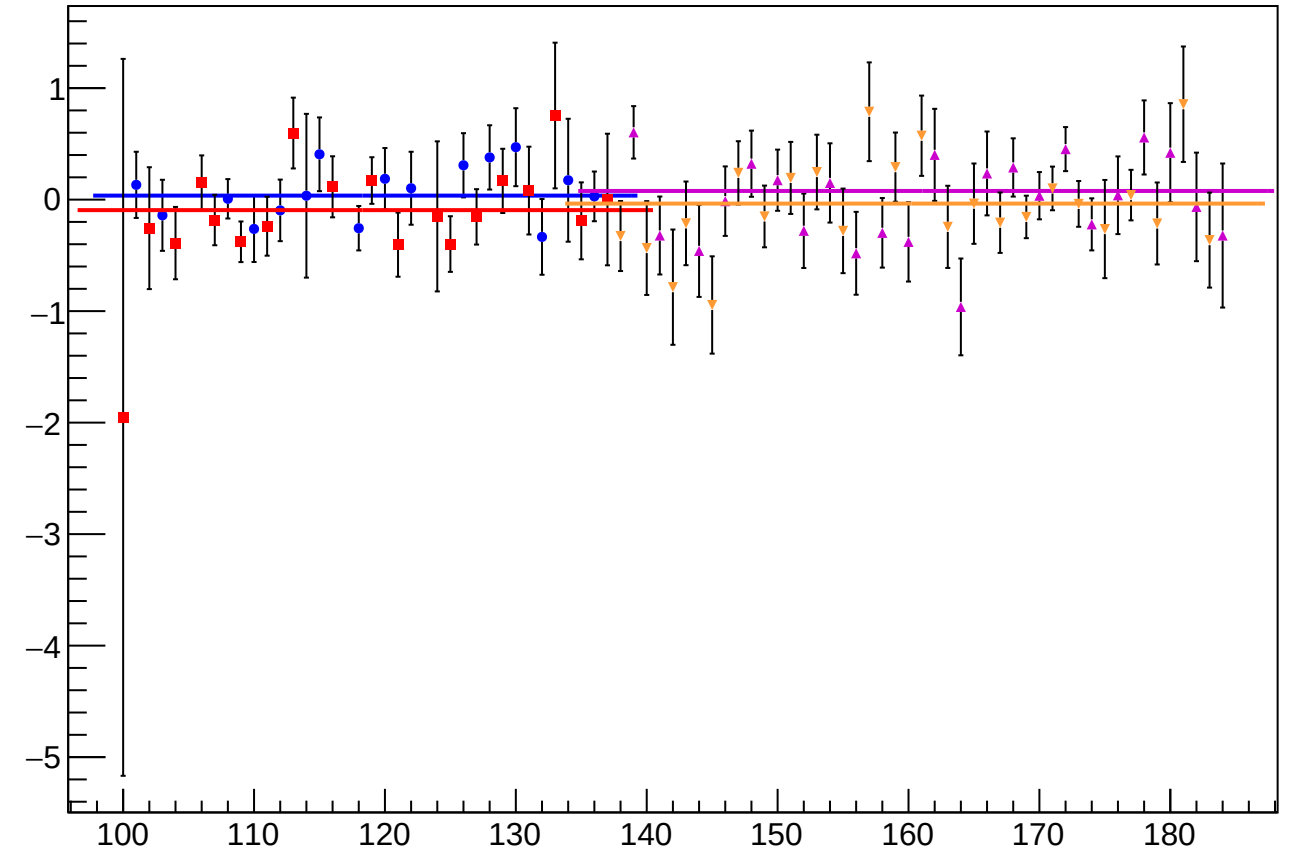
Left: 0.007+/-0.000 χ^2/NDF: 13231827.5/46

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:11076256.1/38

Out: 0.007+/-0.000 χ^2/NDF:11450029.4/42

All: 0.007+/-0.000 χ^2/NDF: 22527095.2/81



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: 0.078+/-0.065 χ^2/NDF:31.1/22

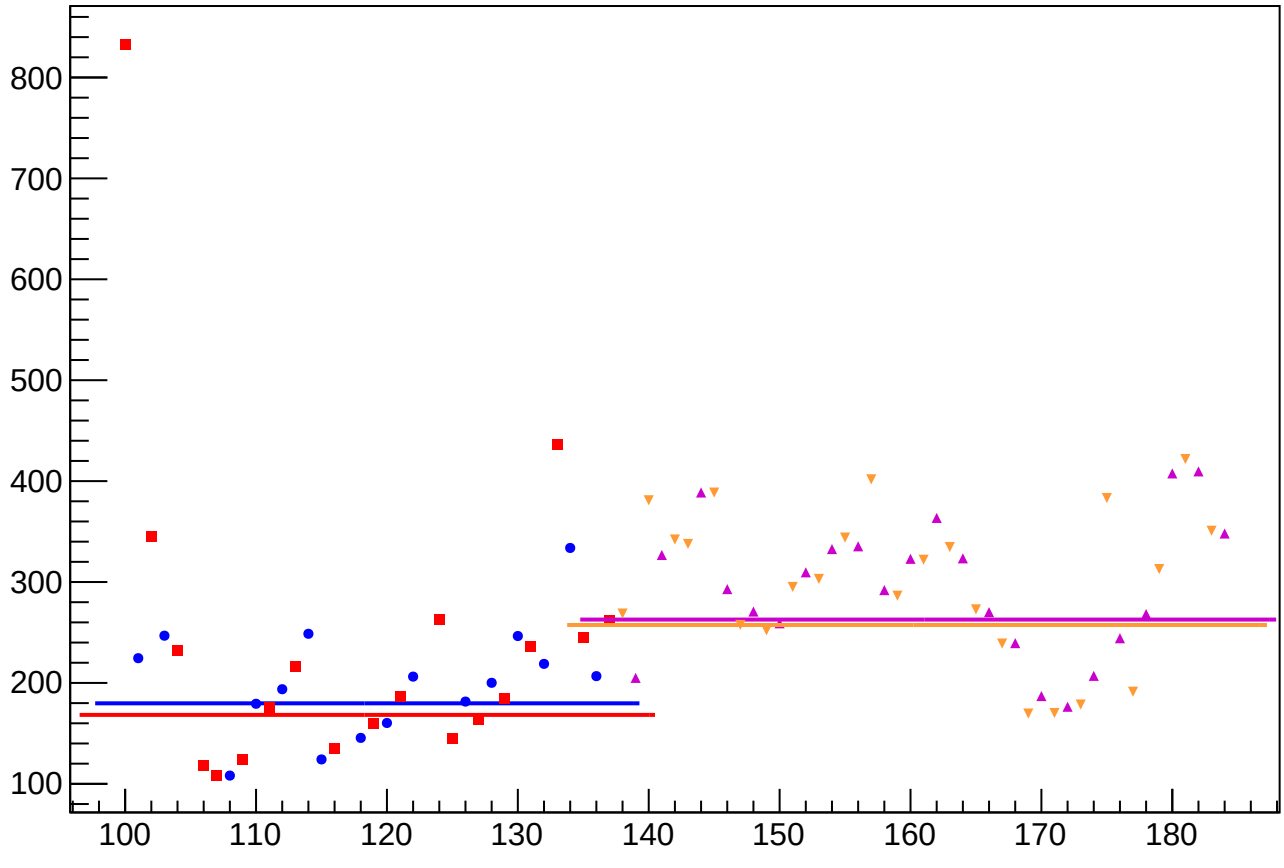
Left: 0.019+/-0.045 χ^2/NDF: 57.0/46

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.059+/-0.048 χ^2/NDF:41.8/38

Out: -0.063+/-0.046 χ^2/NDF:42.4/42

All: -0.004+/-0.033 χ^2/NDF: 87.5/81



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: 262.790+/-0.046 χ^2/NDF:2025402.0/22

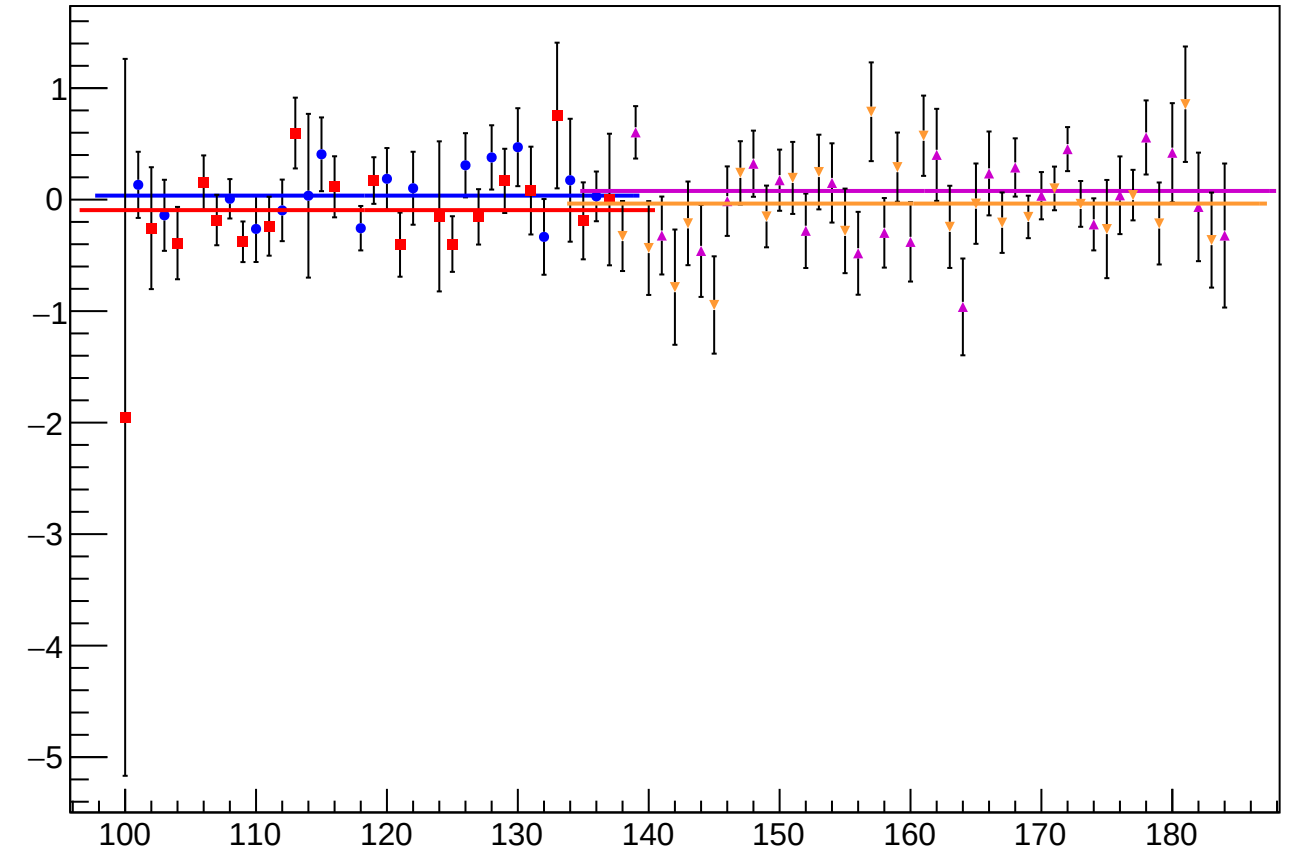
Left: 260.026+/-0.032 χ^2/NDF: 4891674.9/46

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 224.773+/-0.034 χ^2/NDF:4442866.1/38

Out: 216.160+/-0.033 χ^2/NDF:6131650.1/42

All: 220.307+/-0.023 χ^2/NDF: 10608234.3/81



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: 0.078+/-0.065 χ^2/NDF:31.1/22

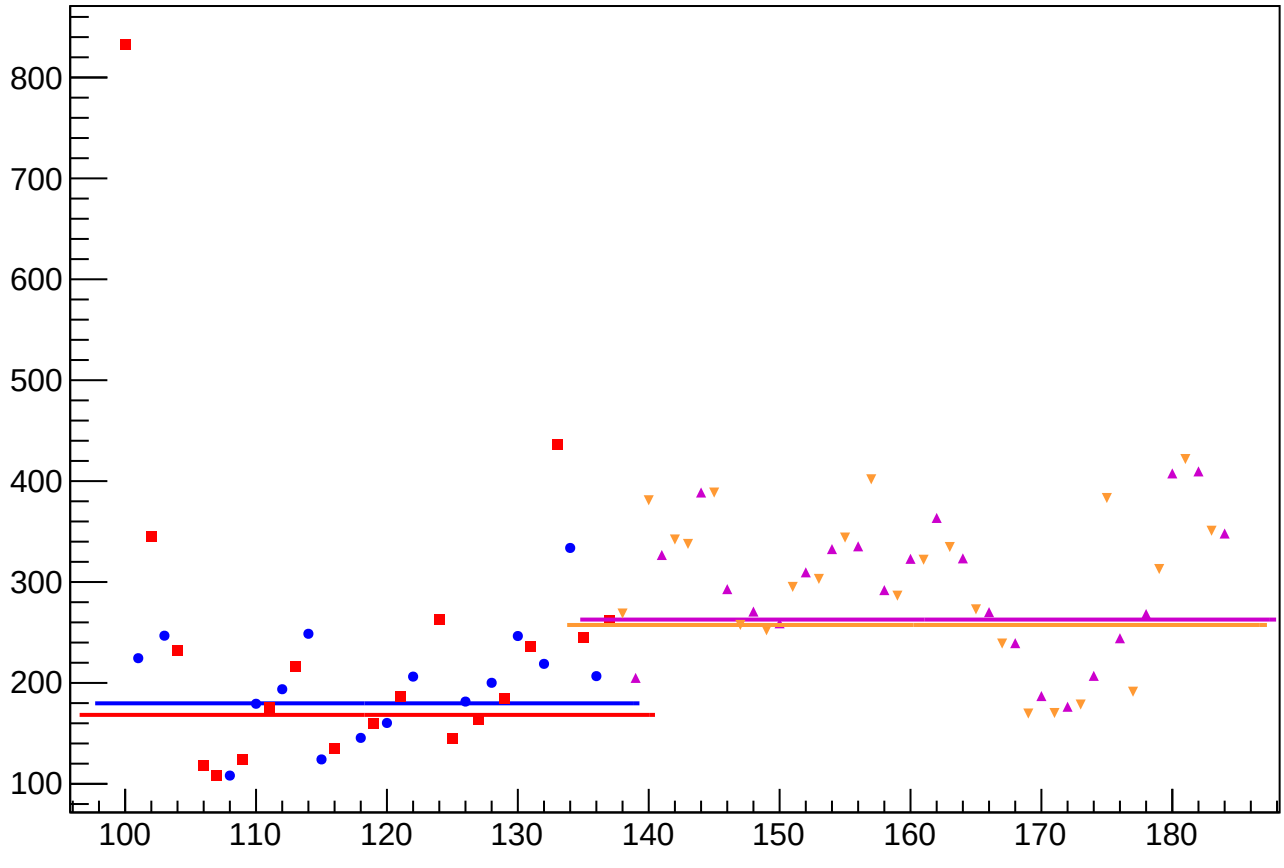
Left: 0.019+/-0.045 χ^2/NDF: 57.0/46

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.059+/-0.048 χ^2/NDF:41.8/38

Out: -0.063+/-0.046 χ^2/NDF:42.4/42

All: -0.004+/-0.033 χ^2/NDF: 87.5/81



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: 262.790+/-0.046 χ^2/NDF:2025402.0/22

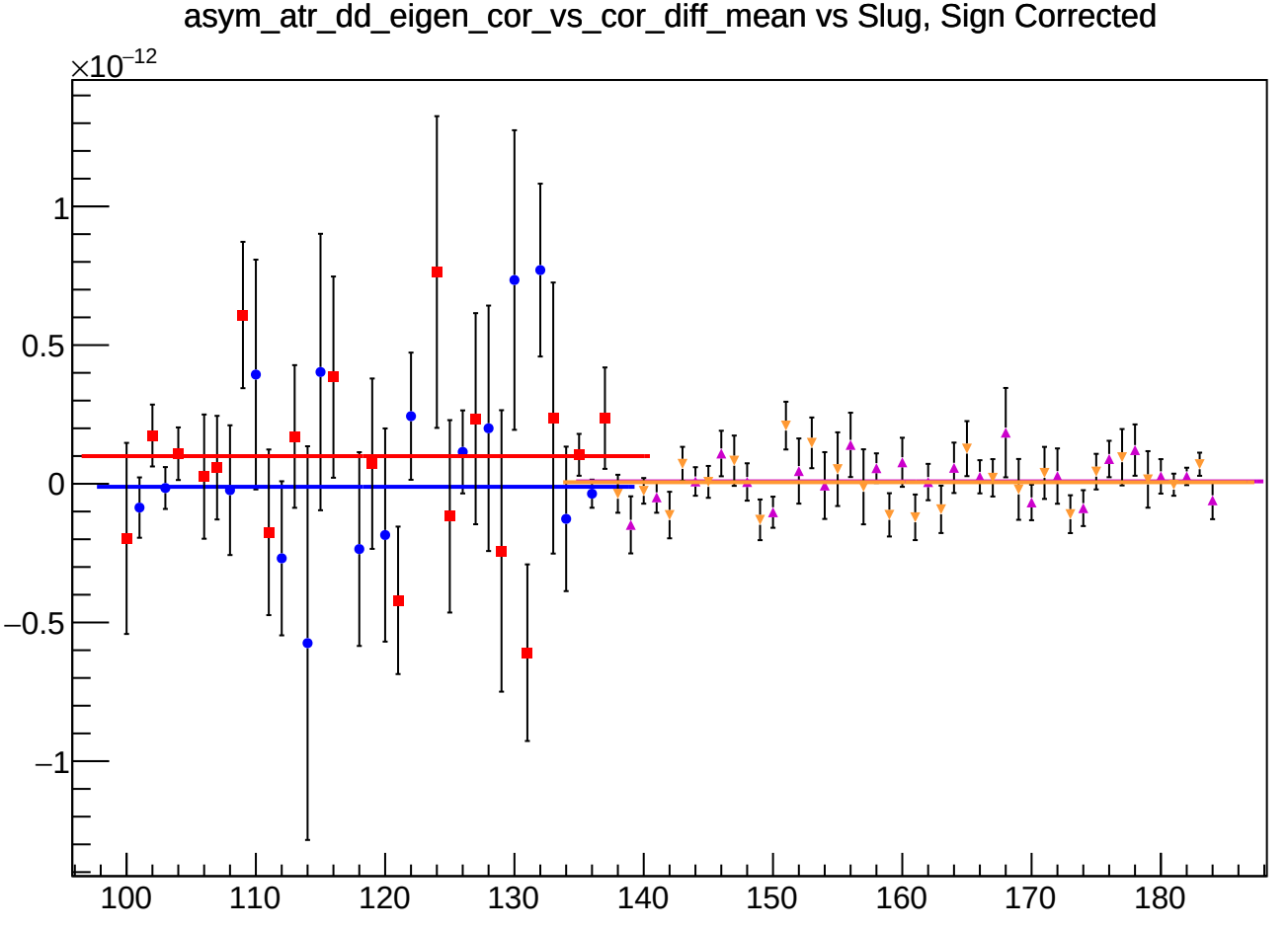
Left: 260.026+/-0.032 χ^2/NDF: 4891674.9/46

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 224.773+/-0.034 χ^2/NDF:4442866.1/38

Out: 216.160+/-0.033 χ^2/NDF:6131650.1/42

All: 220.307+/-0.023 χ^2/NDF: 10608234.3/81



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:21.2/22

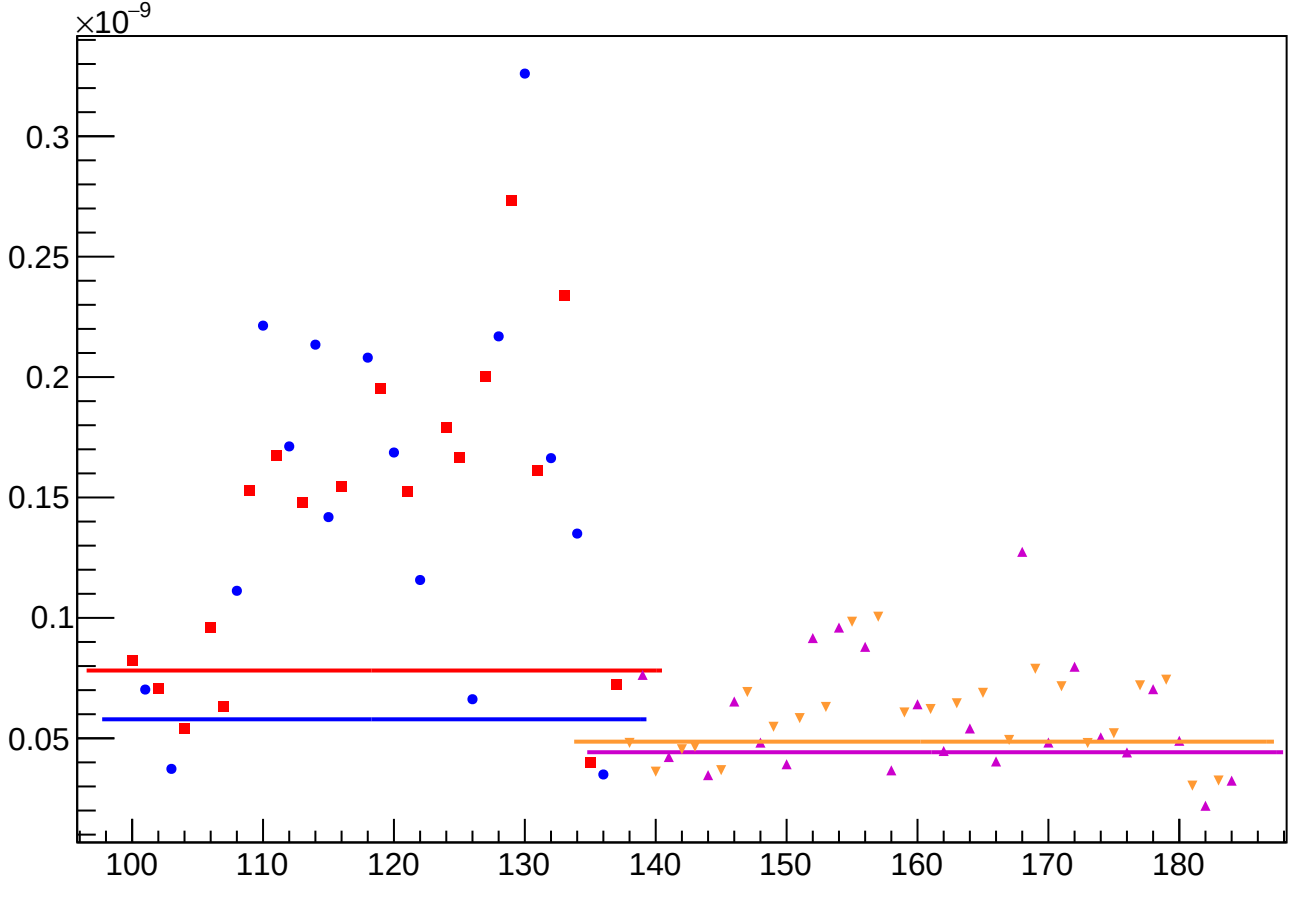
Left: 0.000+/-0.000 χ^2/NDF: 51.7/46

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:36.5/38

Out: 0.000+/-0.000 χ^2/NDF:53.3/42

All: 0.000+/-0.000 χ^2/NDF: 90.1/81



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:3624474.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6214120.9/46

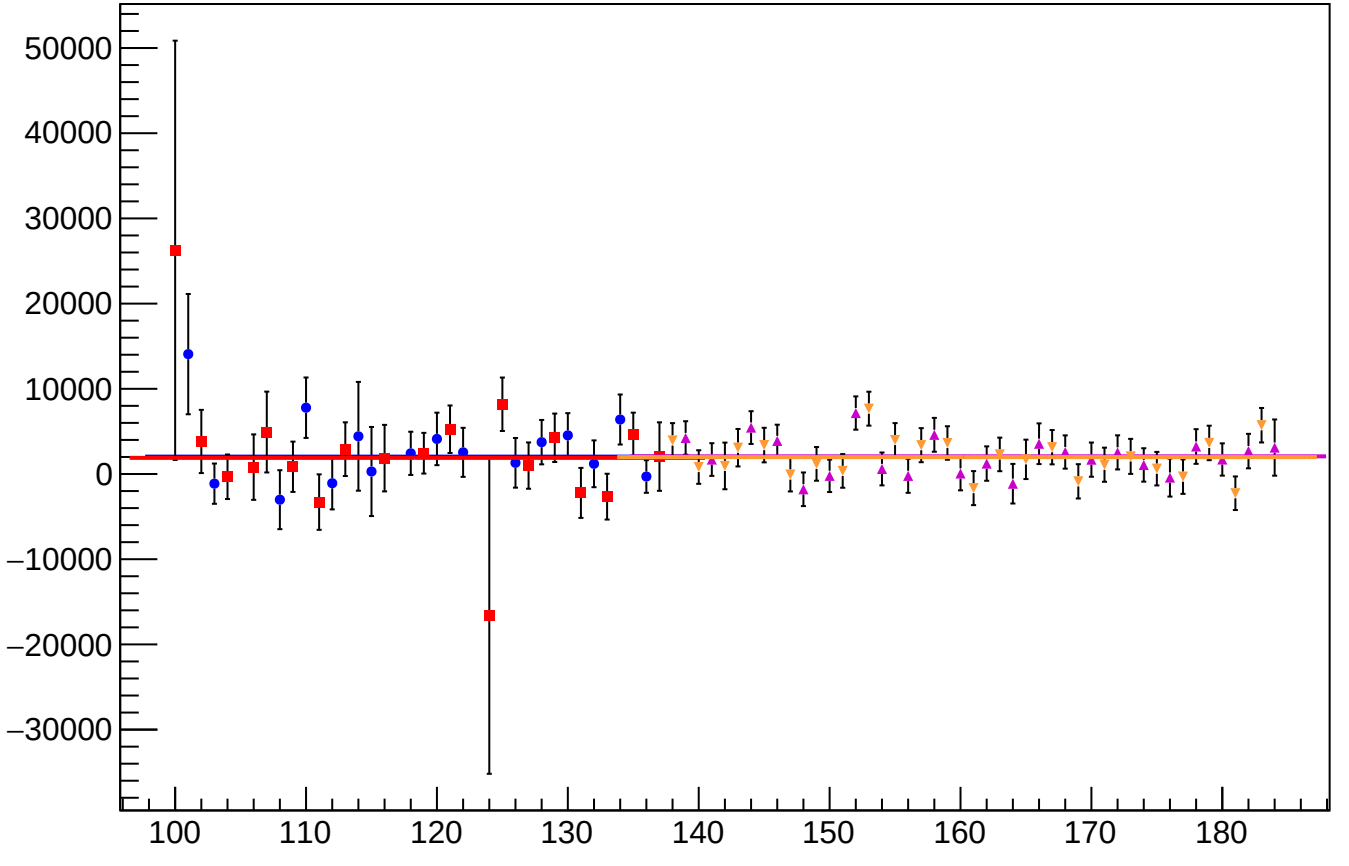
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:7208427.4/38

Out: 0.000+/-0.000 χ^2/NDF:6105909.1/42

All: 0.000+/-0.000 χ^2/NDF: 13496963.7/81

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: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 2028.663+/-296.585 χ^2/NDF: 57.3/46

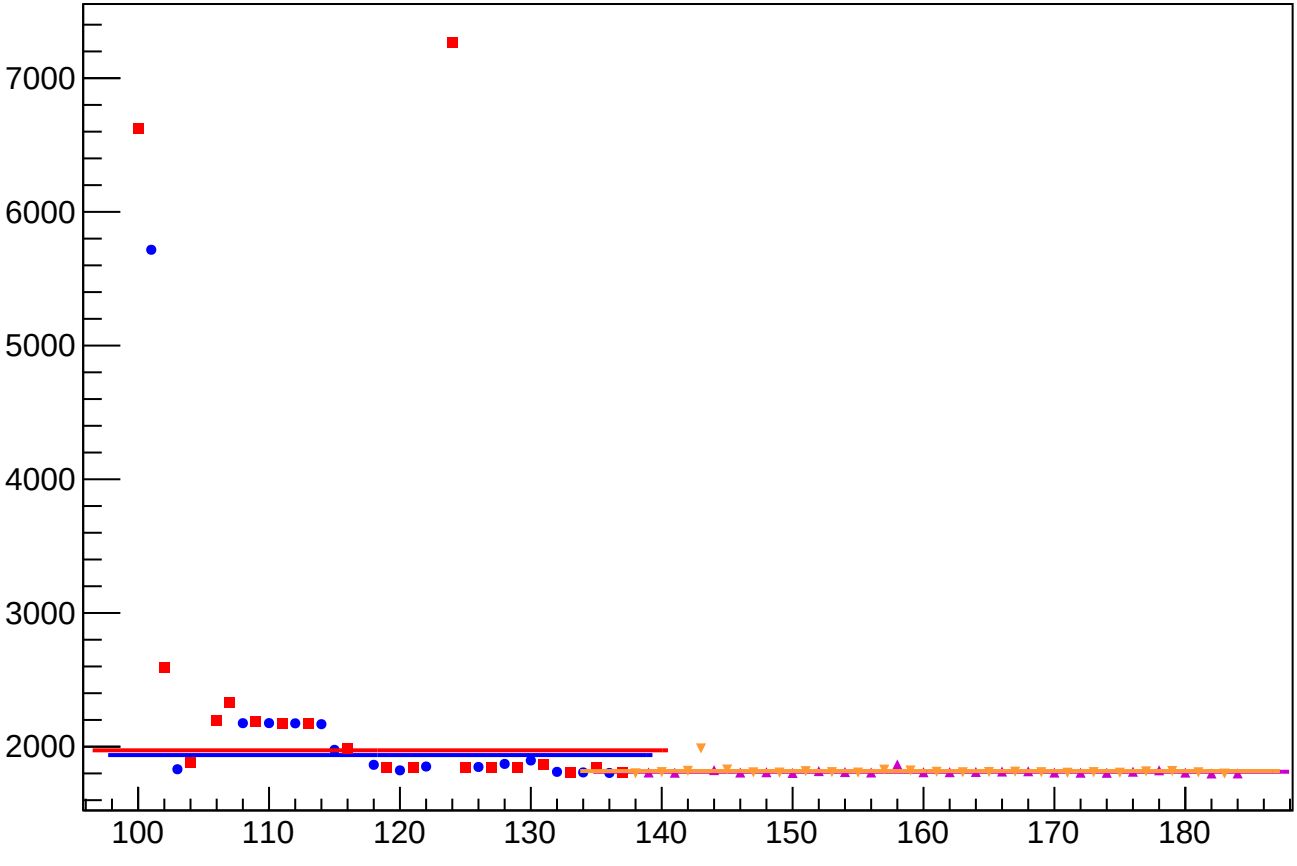
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2065.514+/-366.903 χ^2/NDF:43.0/38

Out: 1963.099+/-362.090 χ^2/NDF:49.3/42

All: 2013.630+/-257.721 χ^2/NDF: 92.3/81

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: 1812.545+/-0.299 χ^2/NDF:2013.0/22

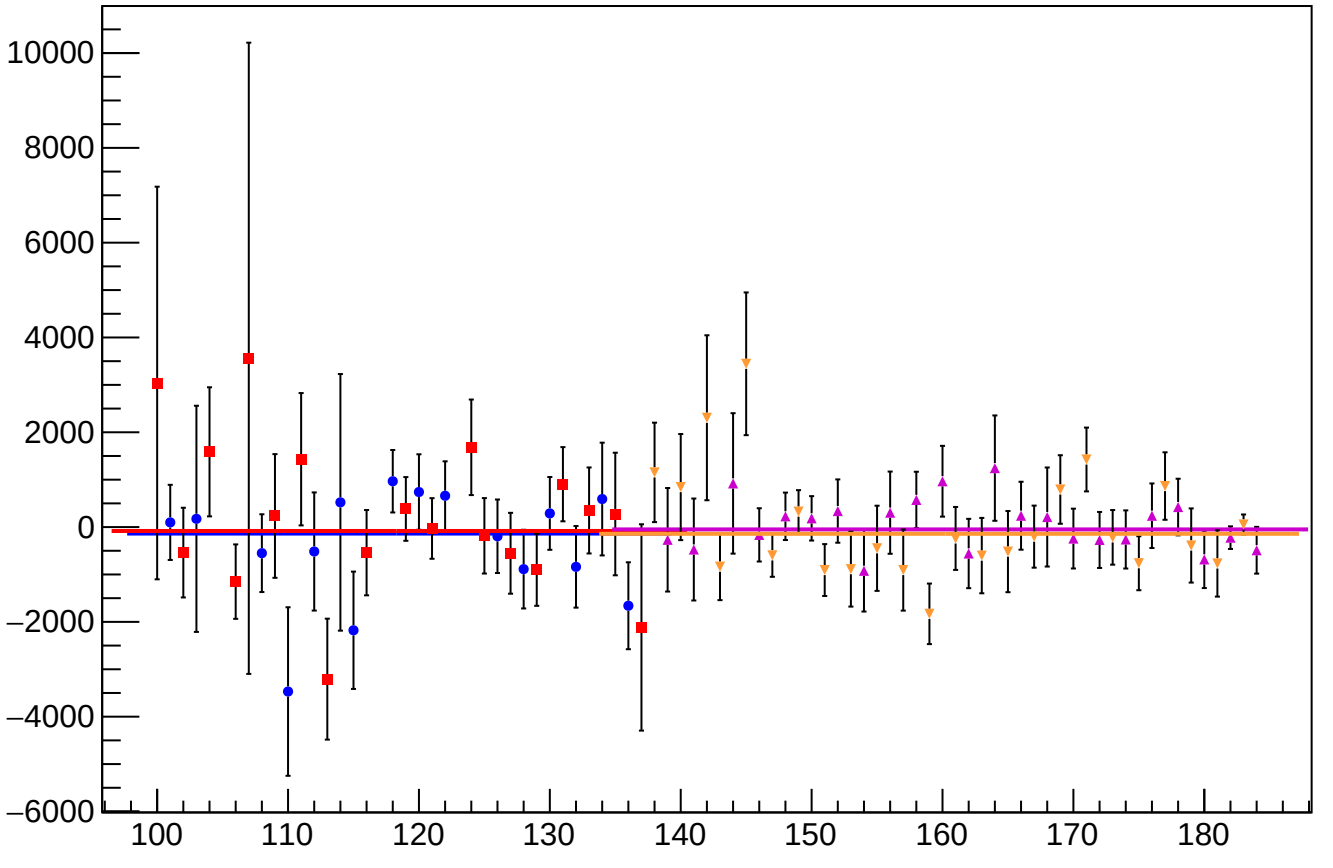
Left: 1815.209+/-0.210 χ^2/NDF: 15068.5/46

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1843.518+/-0.259 χ^2/NDF:683238.2/38

Out: 1855.213+/-0.256 χ^2/NDF:457558.7/42

All: 1849.443+/-0.182 χ^2/NDF: 1141826.4/81



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: -49.290+/-122.691 χ^2/NDF:11.3/22

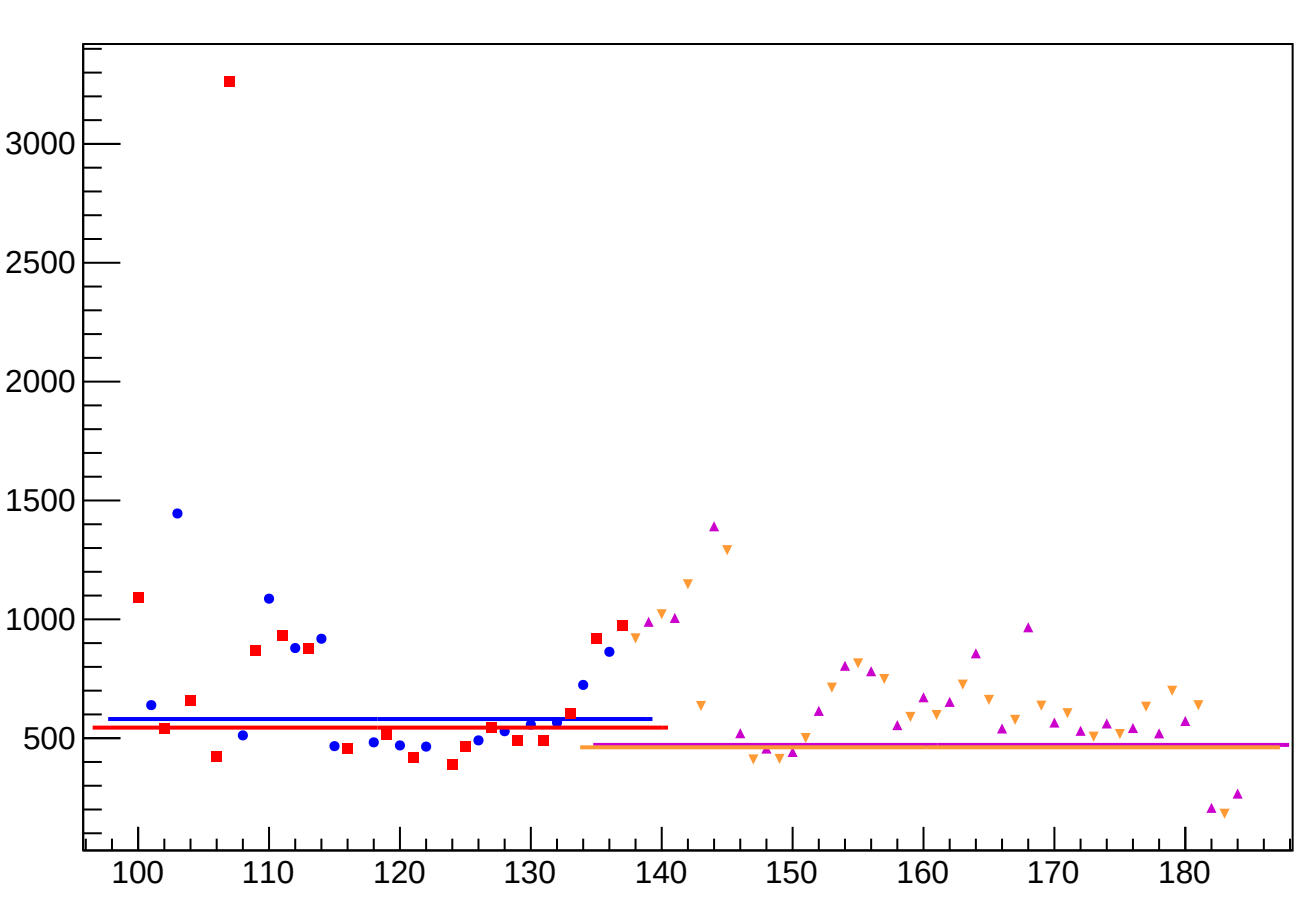
Left: -96.993+/-85.548 χ^2/NDF: 48.0/46

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -68.584+/-108.297 χ^2/NDF:28.3/38

Out: -128.716+/-105.119 χ^2/NDF:56.2/42

All: -99.545+/-75.429 χ^2/NDF: 84.7/81



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: 471.746+/-0.087 χ^2/NDF:6413905.5/22

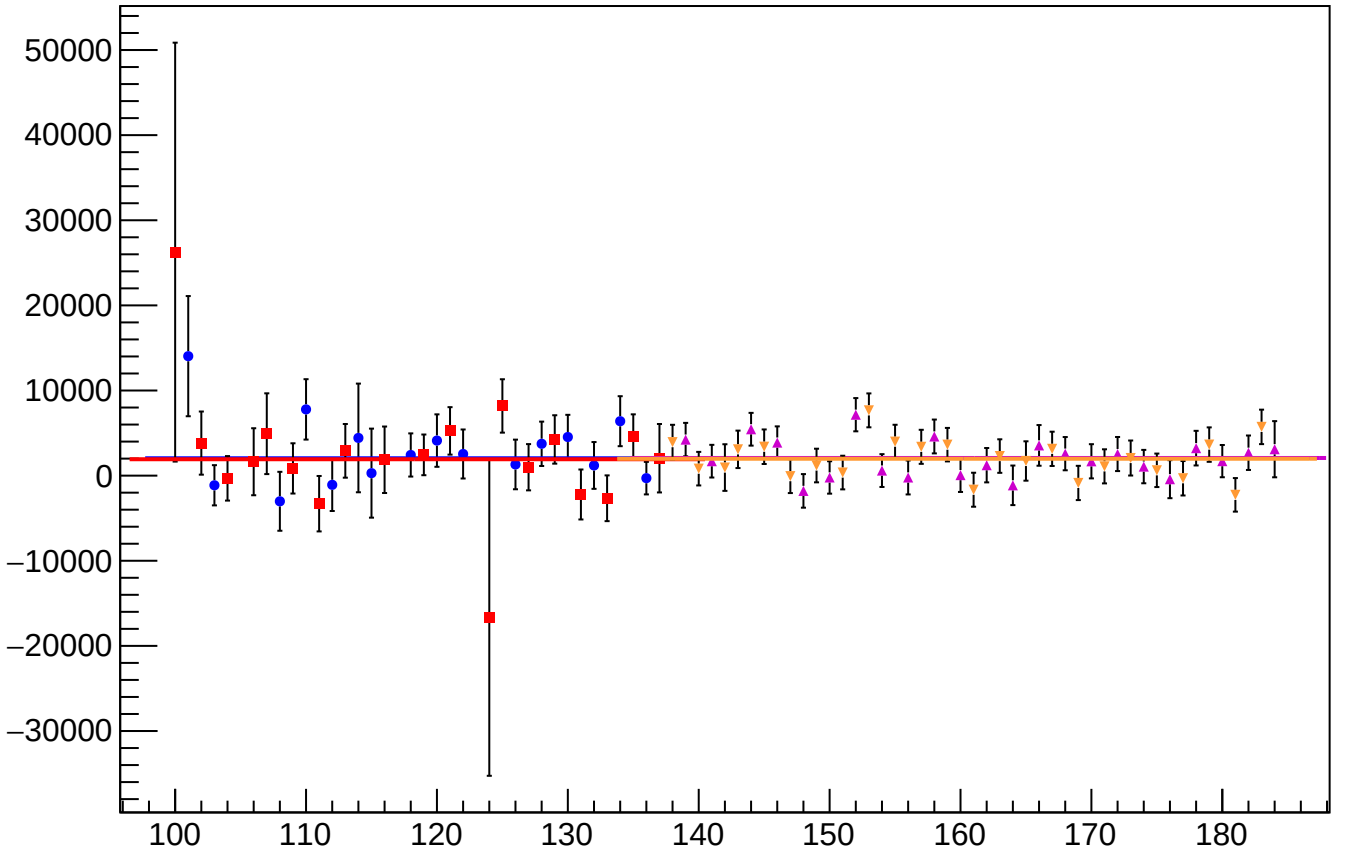
Left: 466.540+/-0.060 χ^2/NDF: 13883054.0/46

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 495.792+/-0.077 χ^2/NDF:7765118.3/38

Out: 480.202+/-0.074 χ^2/NDF:8966202.8/42

All: 487.765+/-0.053 χ^2/NDF: 16752660.8/81



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: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 2028.699+/-296.585 χ^2/NDF: 57.3/46

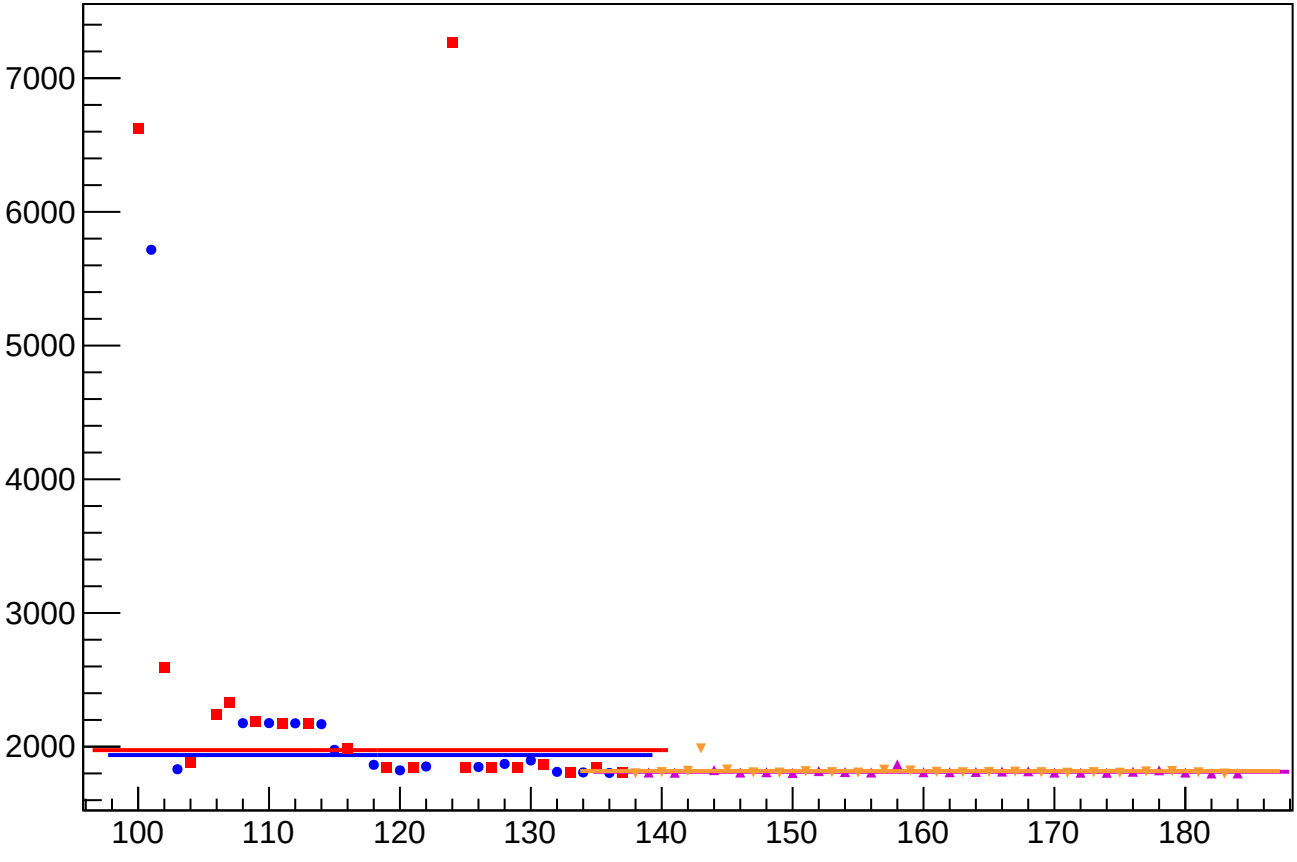
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2065.498+/-366.903 χ^2/NDF:43.0/38

Out: 1970.590+/-362.167 χ^2/NDF:49.2/42

All: 2017.427+/-257.749 χ^2/NDF: 92.2/81

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: 1812.545+/-0.299 χ^2/NDF:2013.0/22

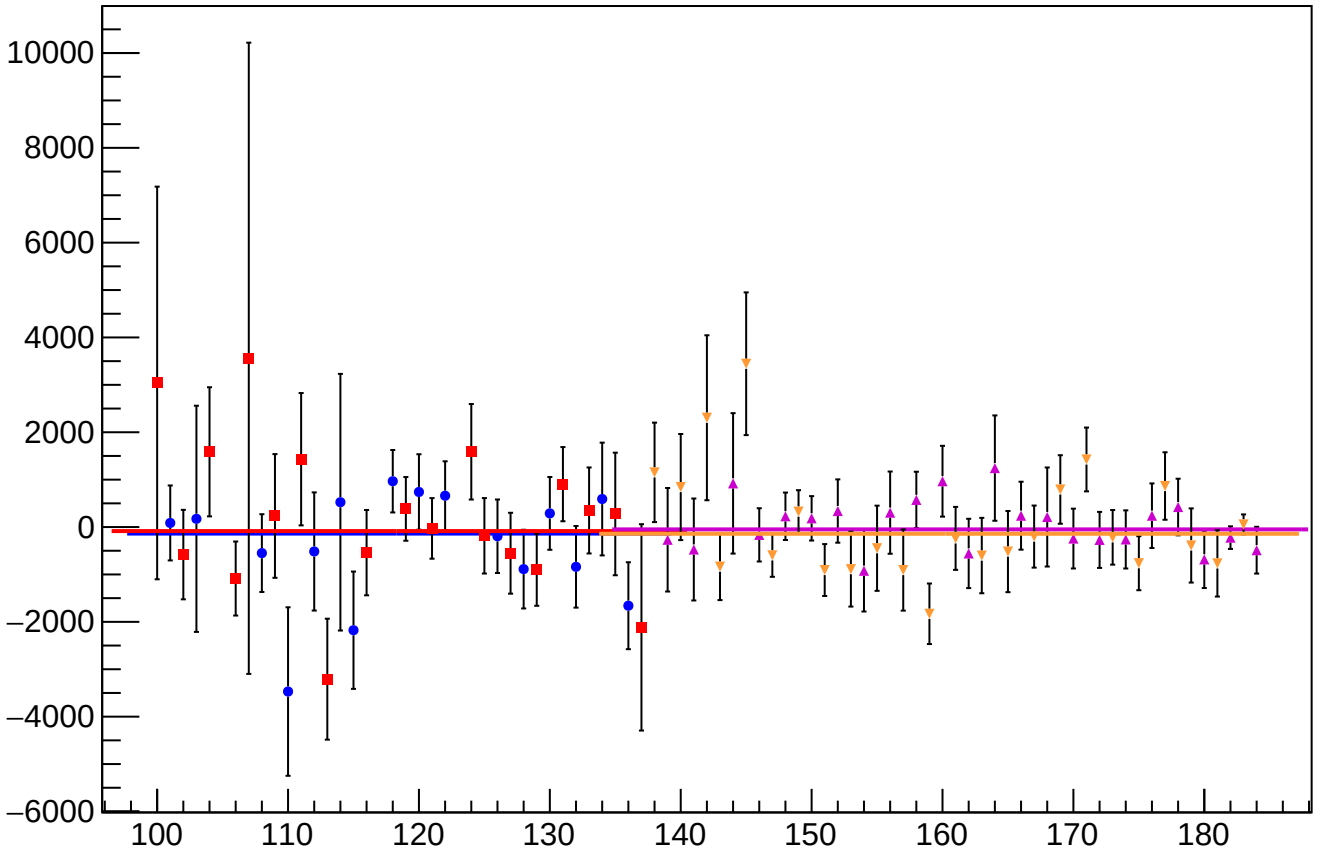
Left: 1815.209+/-0.210 χ^2/NDF: 15068.5/46

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1843.518+/-0.259 χ^2/NDF:683238.2/38

Out: 1855.500+/-0.256 χ^2/NDF:461574.5/42

All: 1849.587+/-0.182 χ^2/NDF: 1145893.0/81



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: -49.310+/-122.694 χ^2/NDF:11.3/22

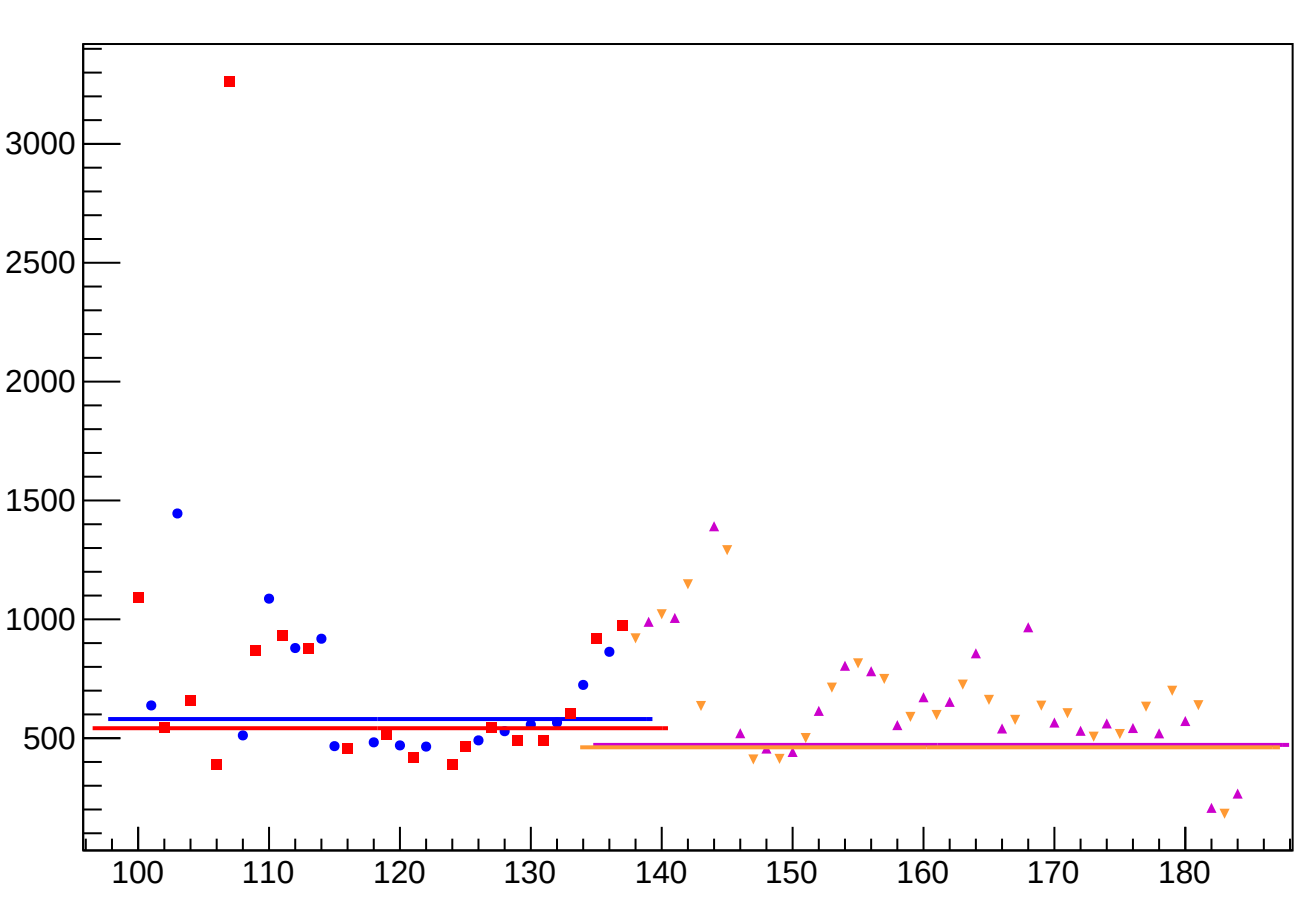
Left: -96.867+/-85.547 χ^2/NDF: 48.0/46

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -68.794+/-108.294 χ^2/NDF:28.3/38

Out: -129.089+/-105.102 χ^2/NDF:55.7/42

All: -99.843+/-75.421 χ^2/NDF: 84.2/81



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: 471.757+/-0.087 χ^2/NDF:6413685.0/22

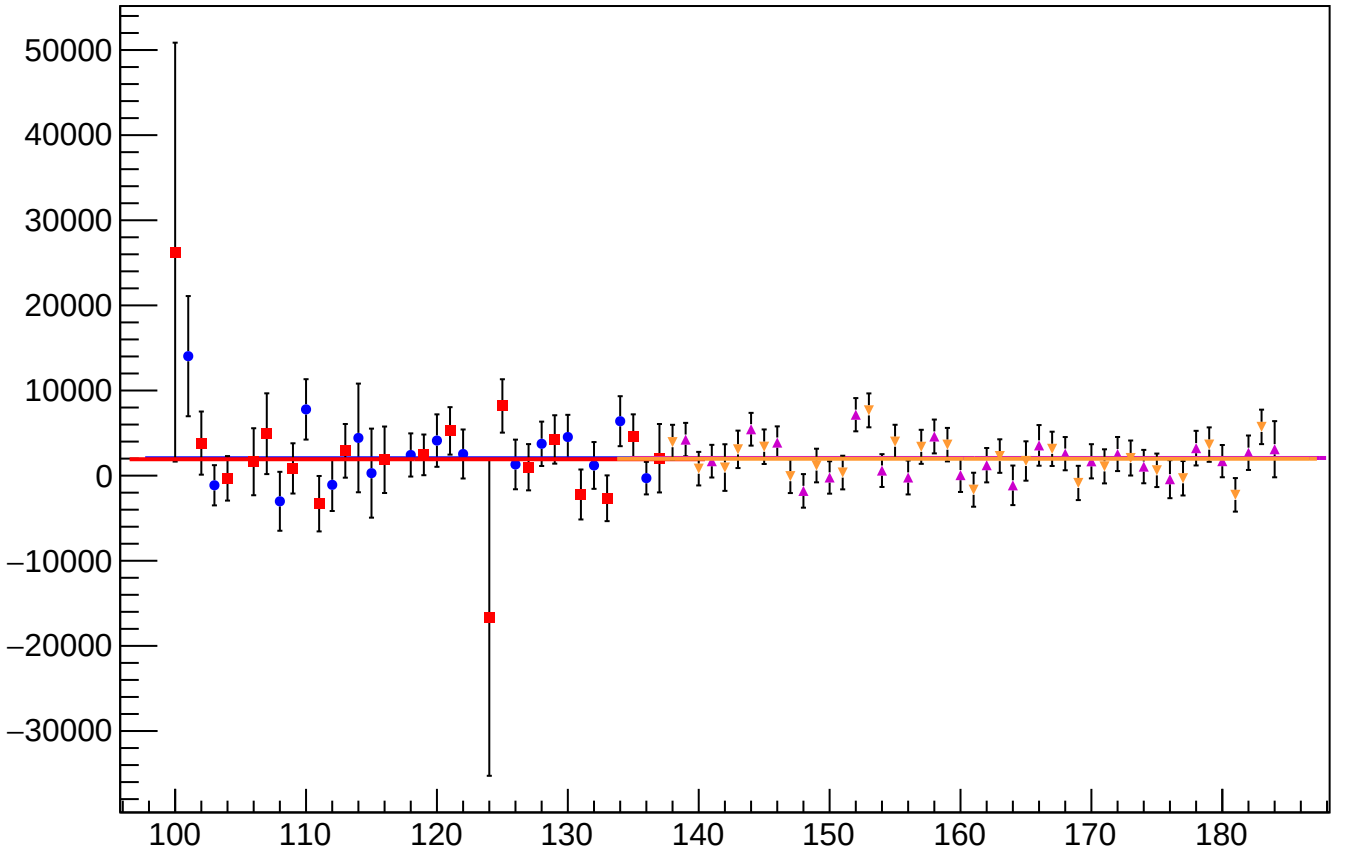
Left: 466.529+/-0.060 χ^2/NDF: 13884538.6/46

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 495.789+/-0.077 χ^2/NDF:7763837.8/38

Out: 479.613+/-0.074 χ^2/NDF:8986097.1/42

All: 487.459+/-0.053 χ^2/NDF: 16772914.9/81



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: 2074.306+/-423.203 χ^2/NDF:26.5/22

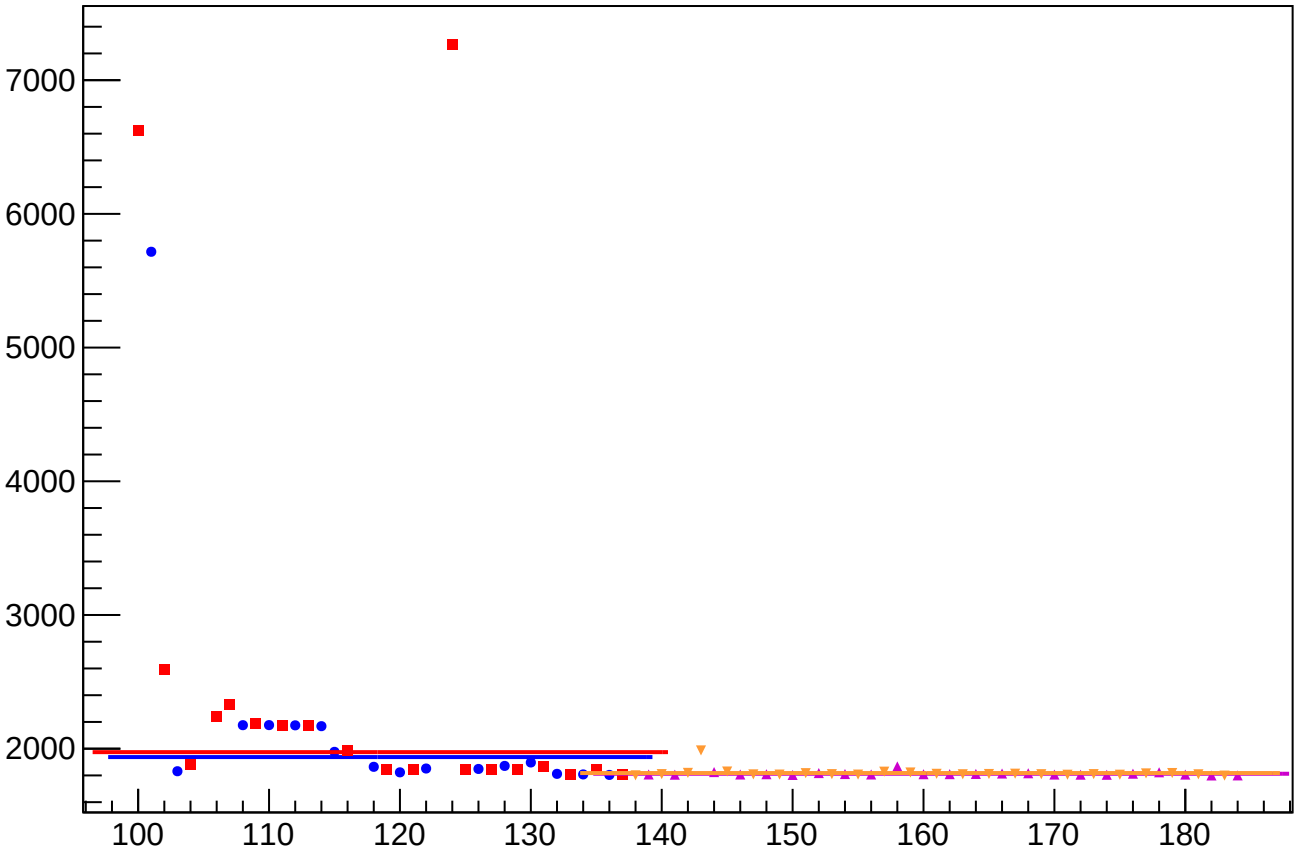
Left: 2028.699+/-296.585 χ^2/NDF: 57.3/46

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2065.498+/-366.903 χ^2/NDF:43.0/38

Out: 1970.590+/-362.167 χ^2/NDF:49.2/42

All: 2017.427+/-257.749 χ^2/NDF: 92.2/81



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: 1812.545+/-0.299 χ^2/NDF:2013.0/22

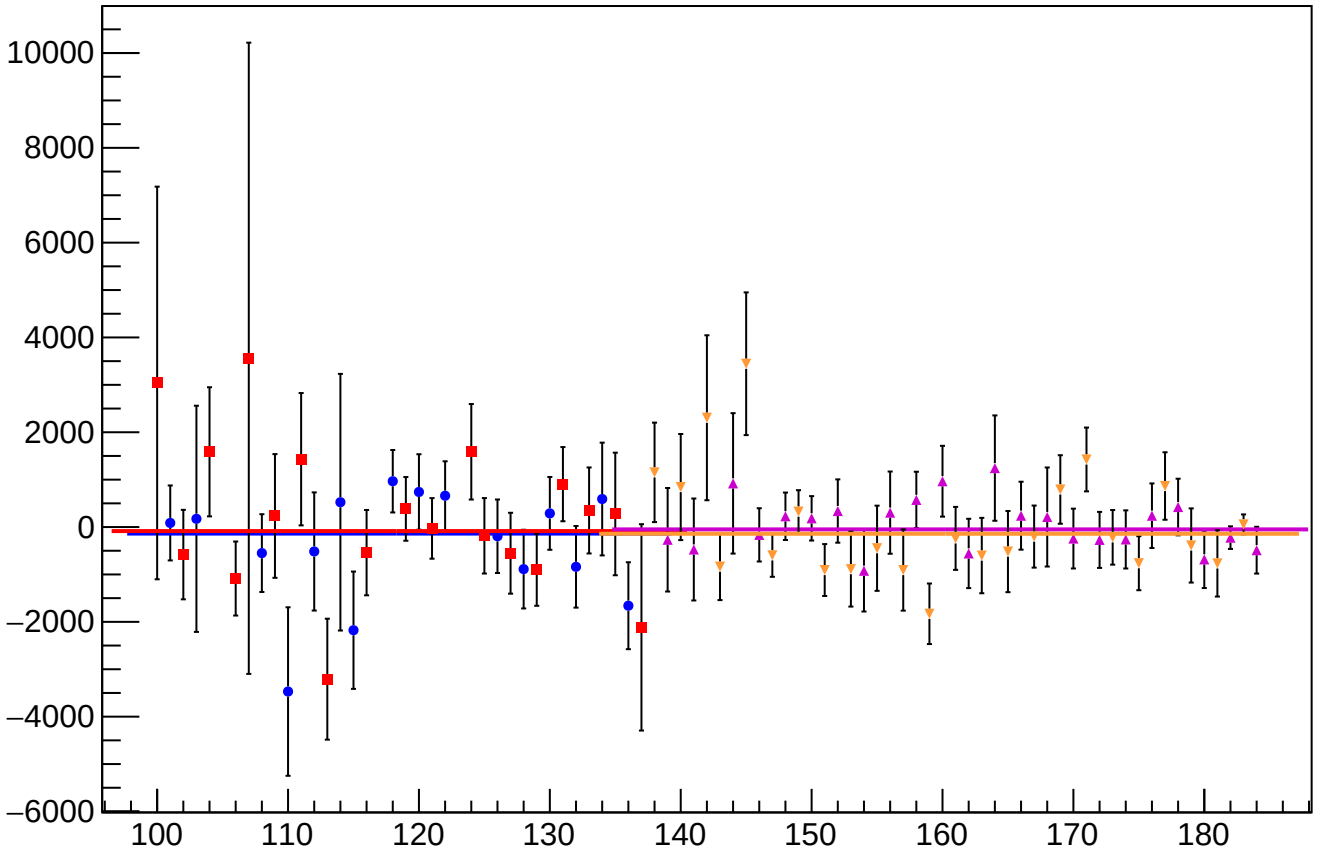
Left: 1815.209+/-0.210 χ^2/NDF: 15068.5/46

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1843.518+/-0.259 χ^2/NDF:683238.2/38

Out: 1855.500+/-0.256 χ^2/NDF:461574.5/42

All: 1849.587+/-0.182 χ^2/NDF: 1145893.0/81



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: -49.310+/-122.694 χ^2/NDF:11.3/22

Left: -96.867+/-85.547 χ^2/NDF: 48.0/46

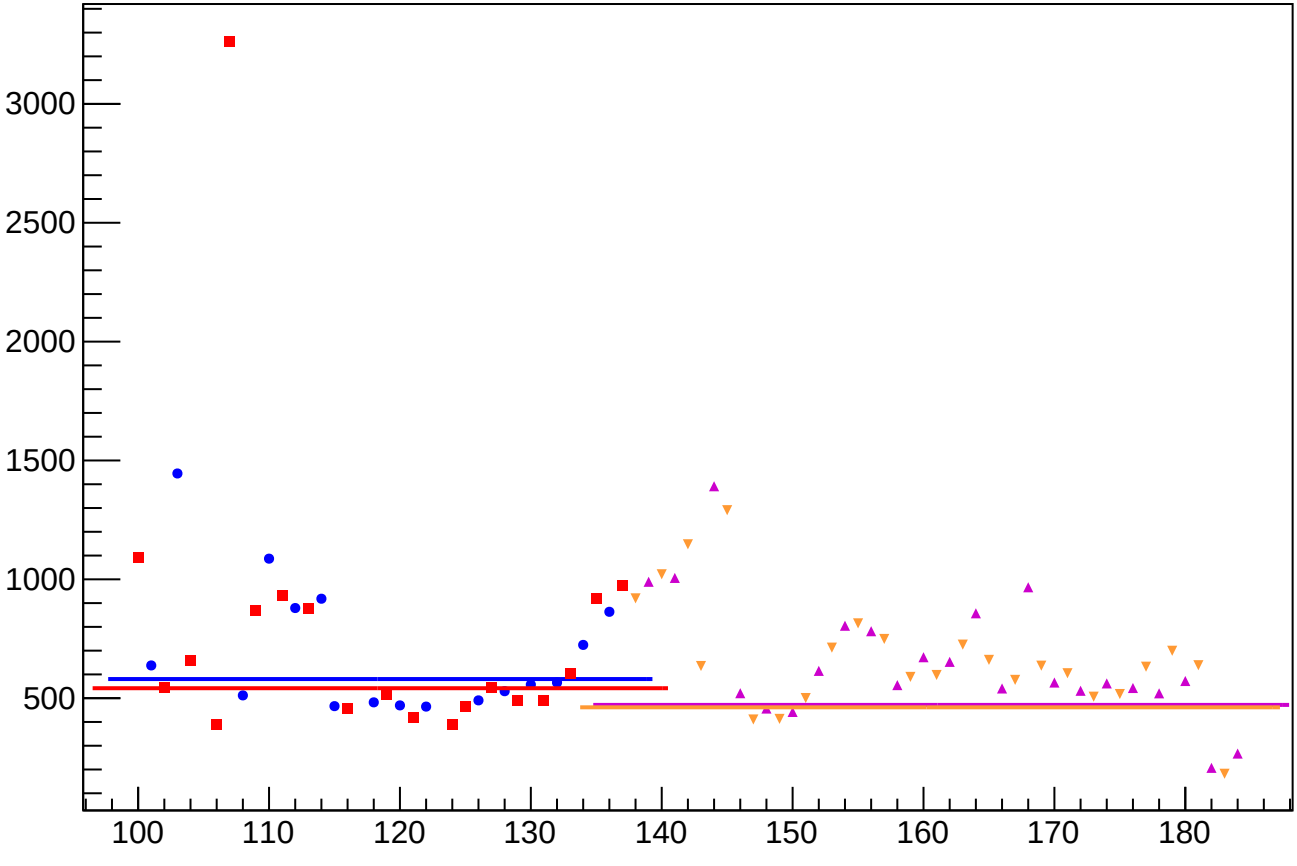
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -68.794+/-108.294 χ^2/NDF:28.3/38

Out: -129.089+/-105.102 χ^2/NDF:55.7/42

All: -99.843+/-75.421 χ^2/NDF: 84.2/81

asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 461.582+/-0.084 χ^2/NDF:7463786.0/23

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

Left: 466.529+/-0.060 χ^2/NDF: 13884538.6/46

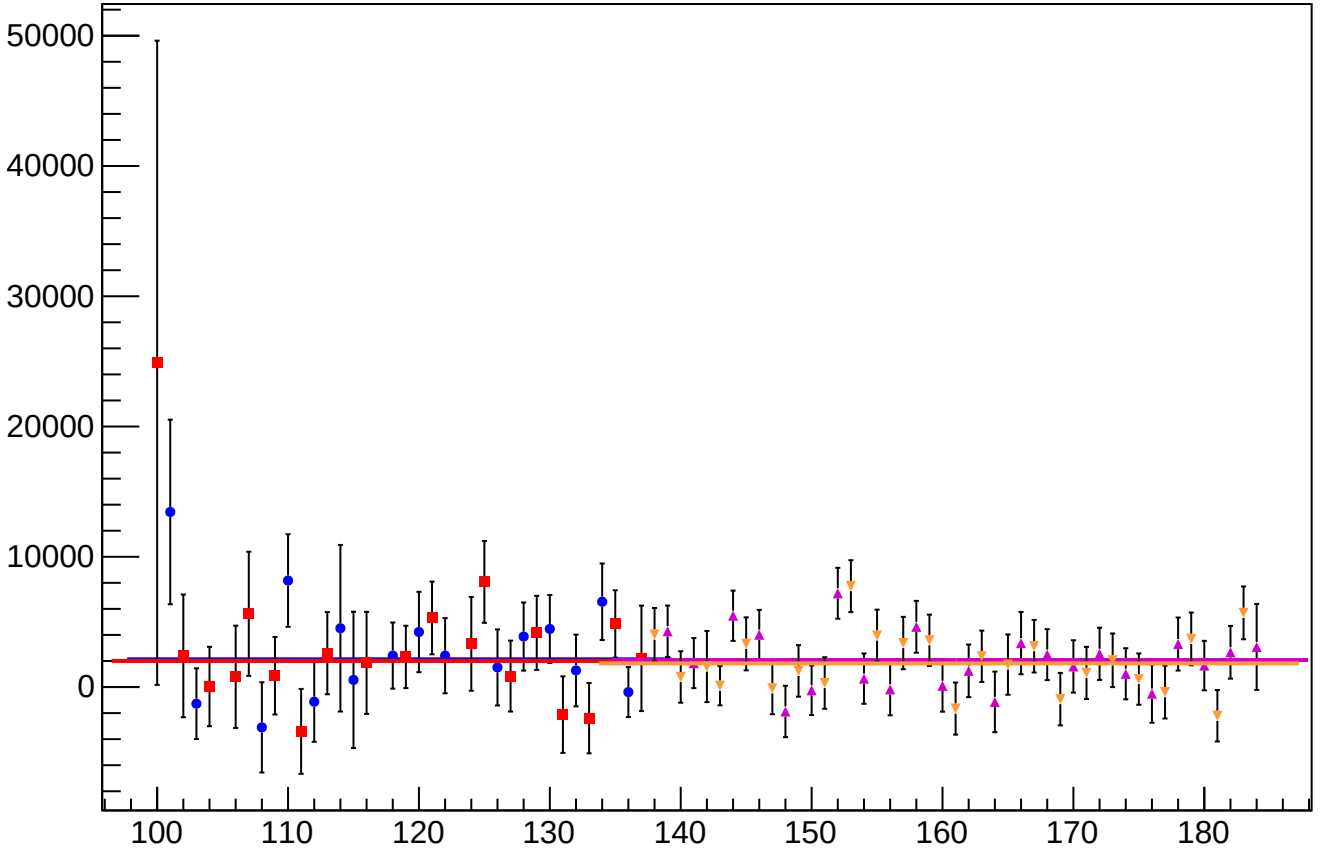
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 495.789+/-0.077 χ^2/NDF:7763837.8/38

Out: 479.613+/-0.074 χ^2/NDF:8986097.1/42

All: 487.459+/-0.053 χ^2/NDF: 16772914.9/81

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: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1940.236+/-293.910 χ^2/NDF: 59.3/46

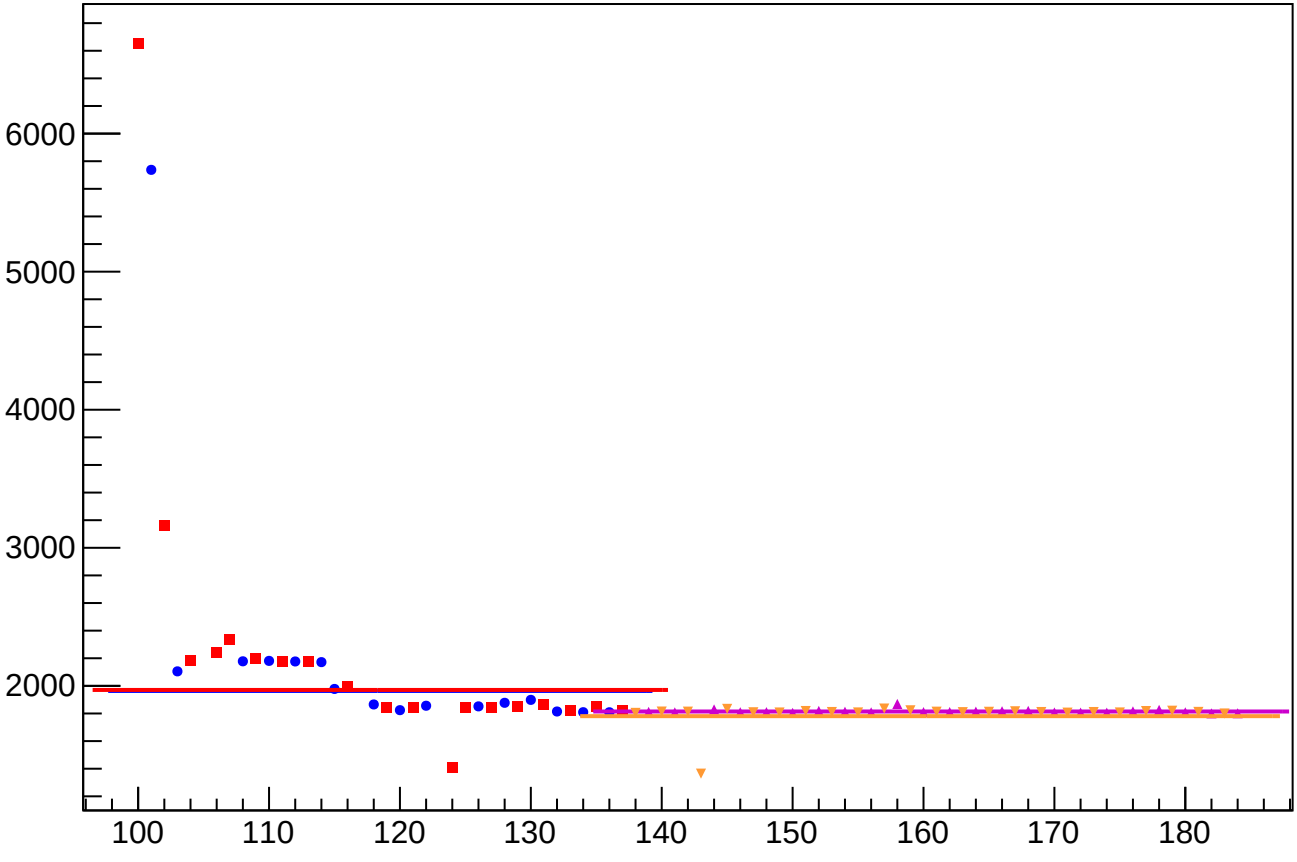
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2086.921+/-368.418 χ^2/NDF:43.5/38

Out: 1860.166+/-357.037 χ^2/NDF:48.9/42

All: 1969.987+/-256.392 χ^2/NDF: 92.6/81

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: 1814.434+/-0.300 χ^2/NDF:2094.6/22

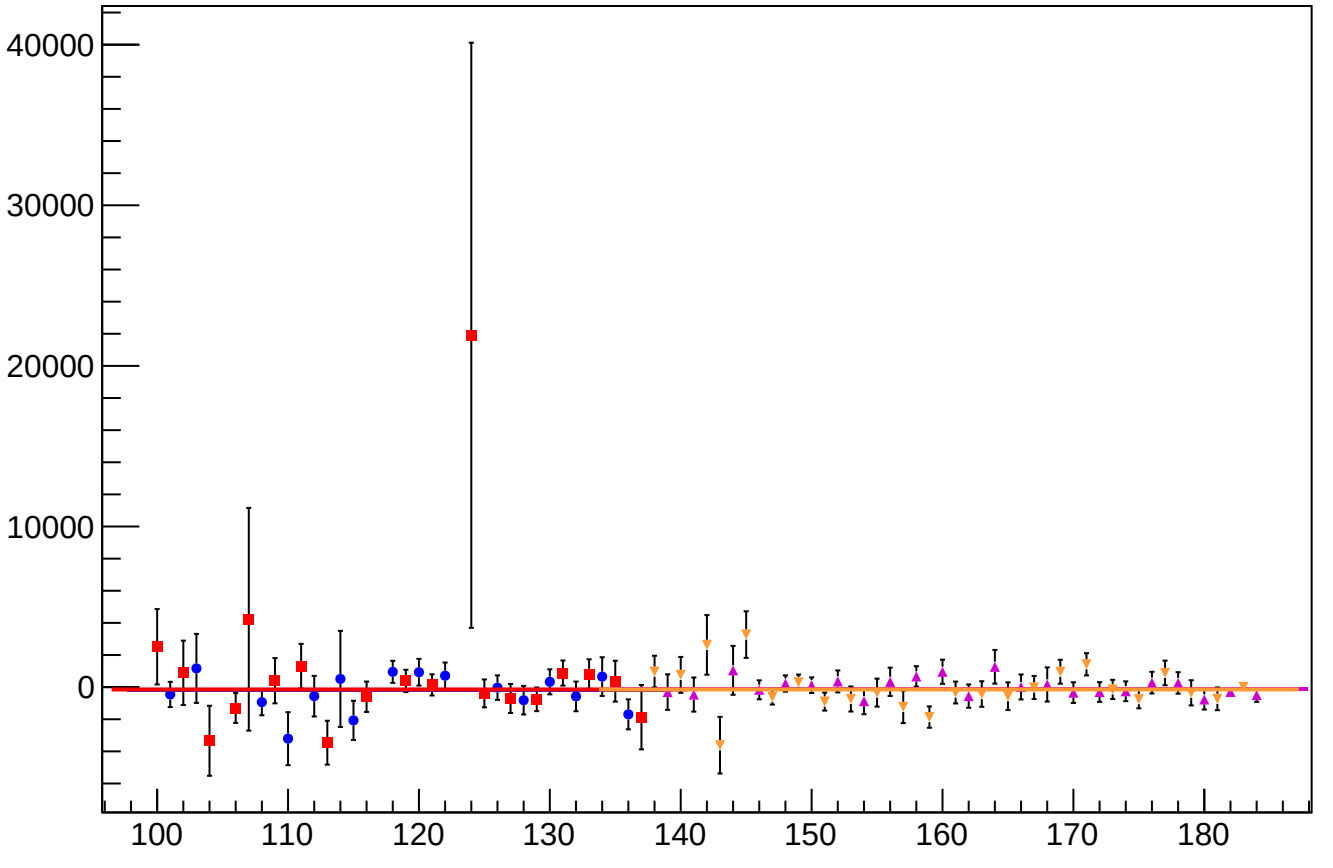
Left: 1796.908+/-0.208 χ^2/NDF: 173565.0/46

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1850.746+/-0.261 χ^2/NDF:702632.8/38

Out: 1825.168+/-0.252 χ^2/NDF:611496.8/42

All: 1837.556+/-0.181 χ^2/NDF: 1319100.9/81



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: -117.211+/-119.772 χ^2/NDF:12.3/22

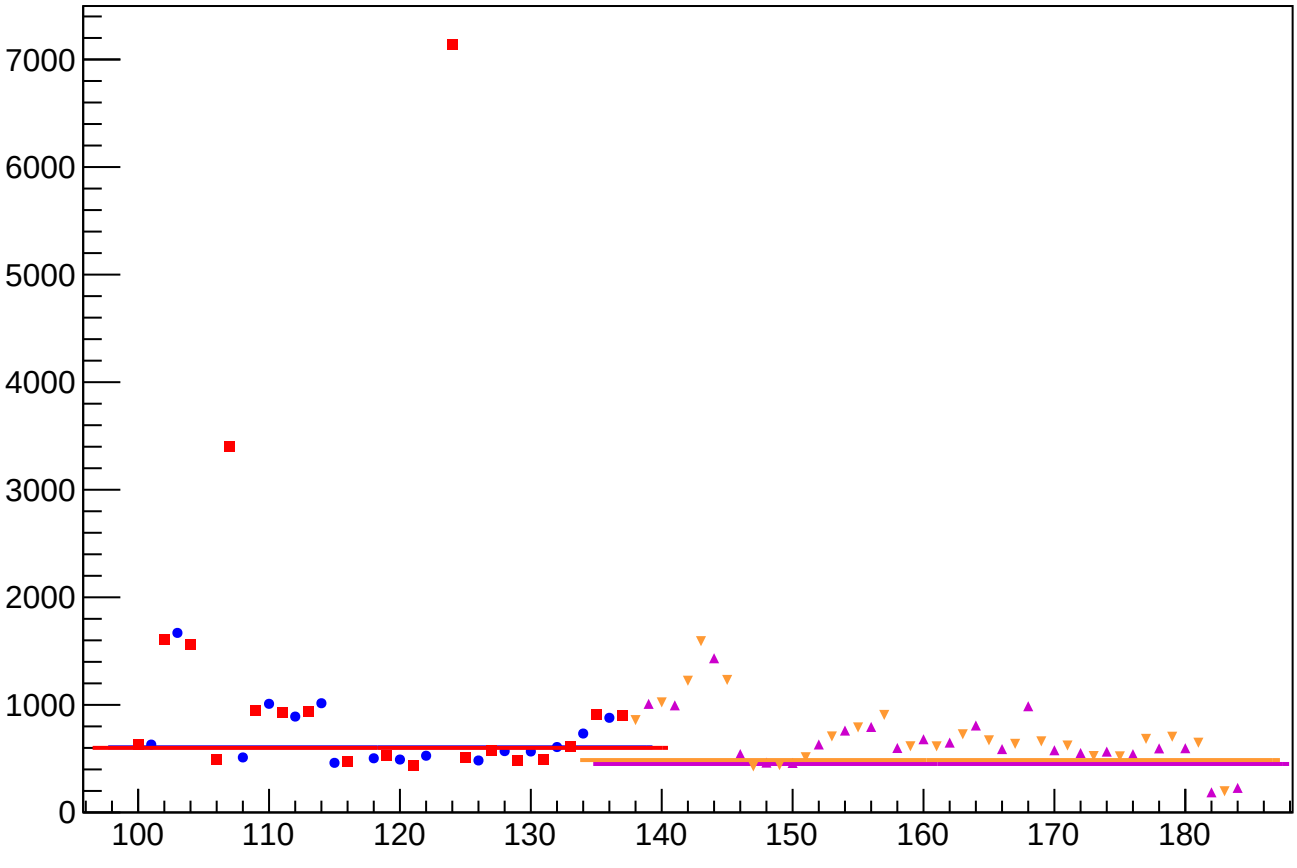
Left: -129.746+/-86.697 χ^2/NDF: 50.1/46

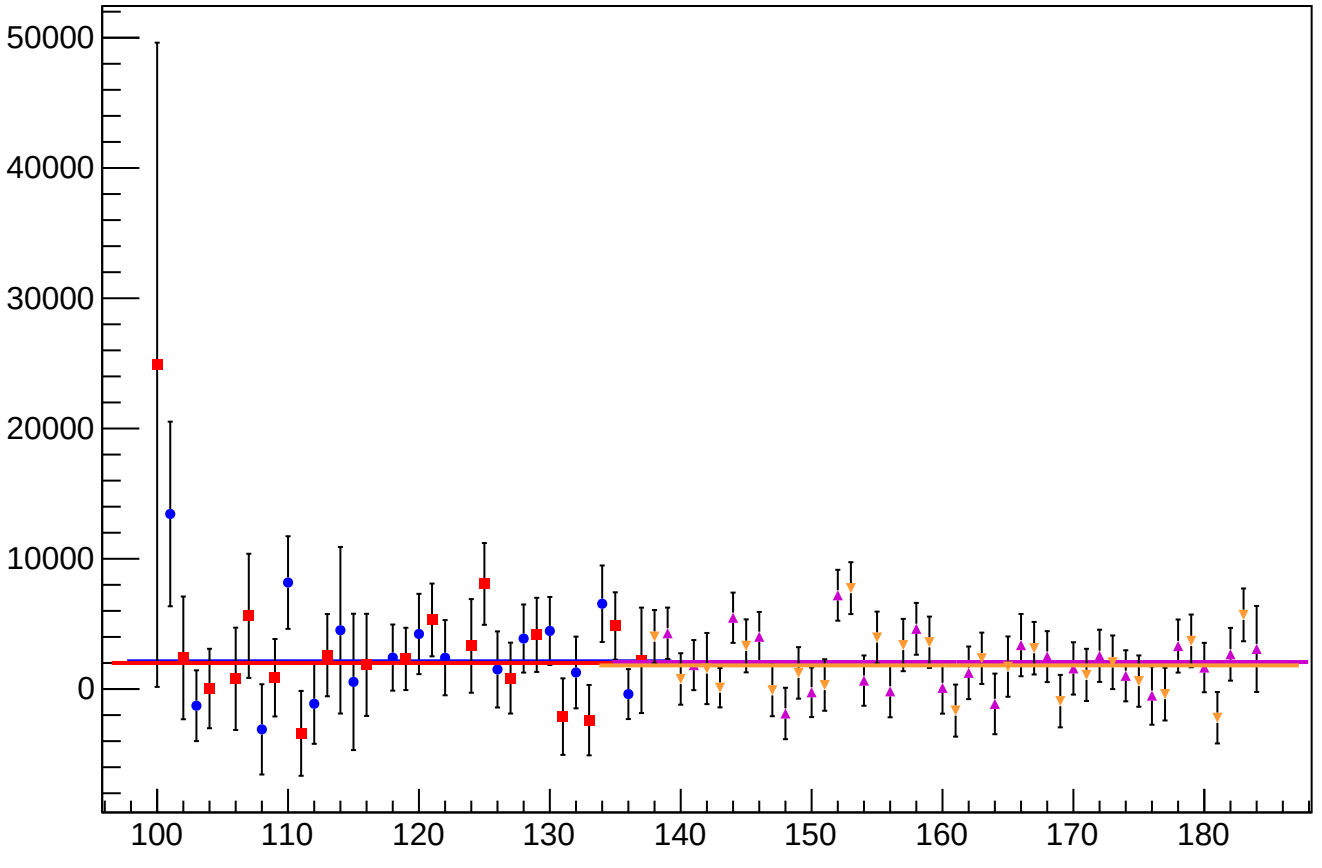
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -128.114+/-106.889 χ^2/NDF:29.6/38

Out: -144.376+/-111.600 χ^2/NDF:57.8/42

All: -135.894+/-77.194 χ^2/NDF: 87.4/81


asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 605.430+/-0.168 χ²/NDF: 1162454.5/15
Left Out: 486.959+/-0.089 χ²/NDF:7649631.9/23
Right Out: 600.447+/-0.172 χ²/NDF: 2328523.8/18
Left In: 450.652+/-0.085 χ²/NDF:7928332.5/22
Left: 467.936+/-0.061 χ²/NDF: 15665452.6/46
Right: 603.000+/-0.120 χ²/NDF: 3491409.7/34
In: 482.158+/-0.076 χ²/NDF:9770658.0/38
Out: 510.926+/-0.079 χ²/NDF:10322692.6/42
All: 495.922+/-0.055 χ²/NDF: 20162662.7/81



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1816.634+/-408.092 χ^2/NDF:32.1/23

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

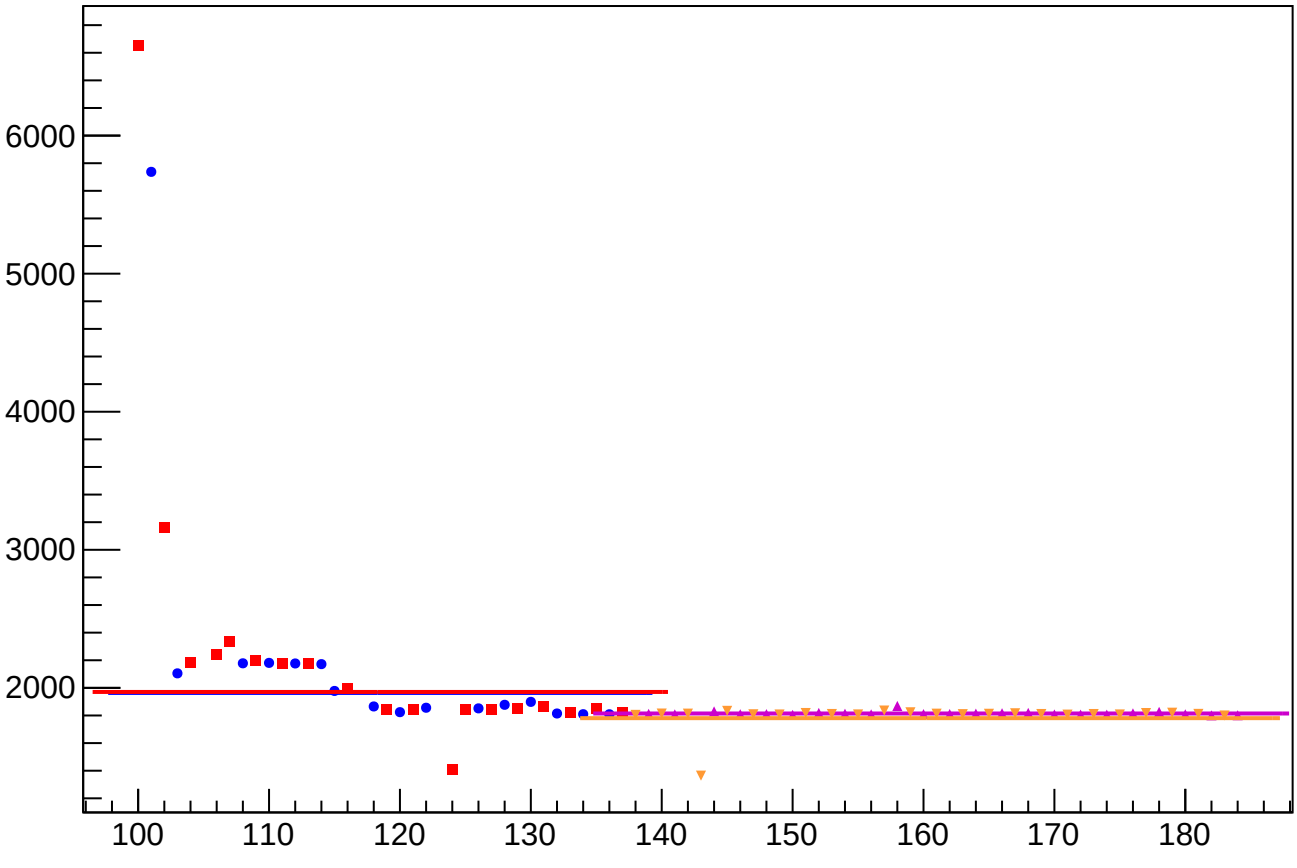
Left: 1940.236+/-293.910 χ^2/NDF: 59.3/46

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2086.921+/-368.418 χ^2/NDF:43.5/38

Out: 1860.166+/-357.037 χ^2/NDF:48.9/42

All: 1969.987+/-256.392 χ^2/NDF: 92.6/81



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: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.908+/-0.208 χ^2/NDF: 173564.9/46

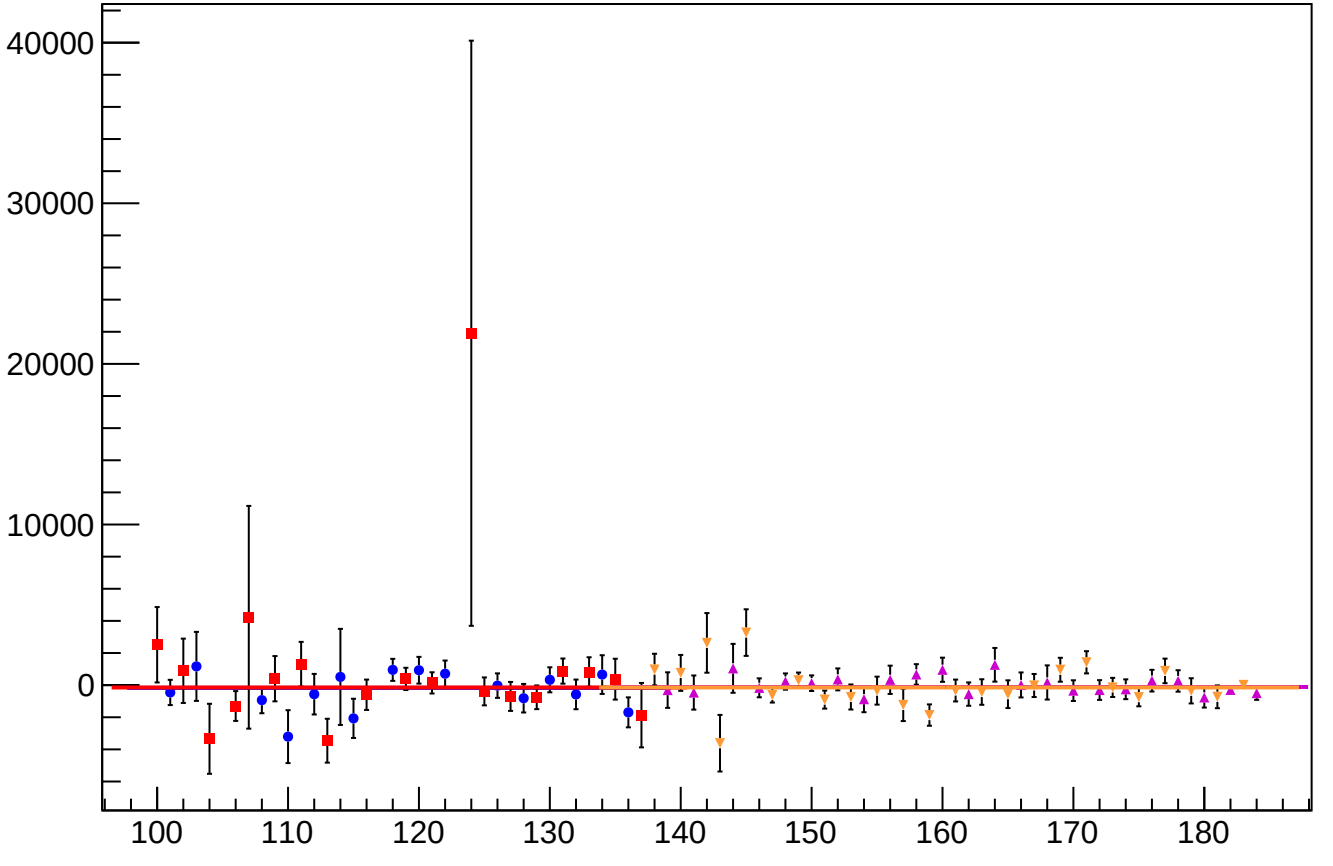
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1850.746+/-0.261 χ^2/NDF:702632.3/38

Out: 1825.168+/-0.252 χ^2/NDF:611495.2/42

All: 1837.556+/-0.181 χ^2/NDF: 1319098.8/81

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: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -129.746+/-86.697 χ^2/NDF: 50.1/46

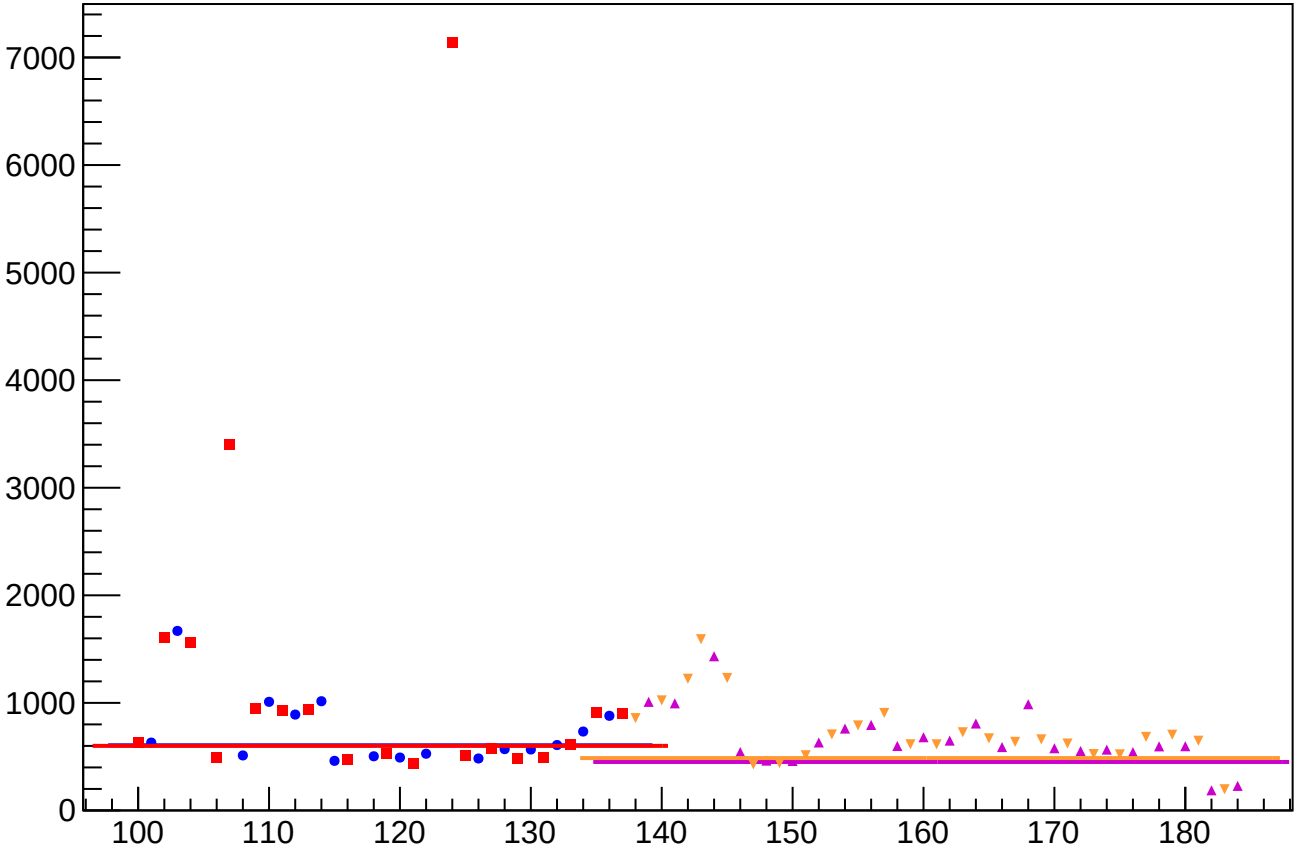
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -128.114+/-106.889 χ^2/NDF:29.6/38

Out: -144.376+/-111.600 χ^2/NDF:57.8/42

All: -135.895+/-77.194 χ^2/NDF: 87.4/81

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: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 467.936+/-0.061 χ^2/NDF: 15665431.8/46

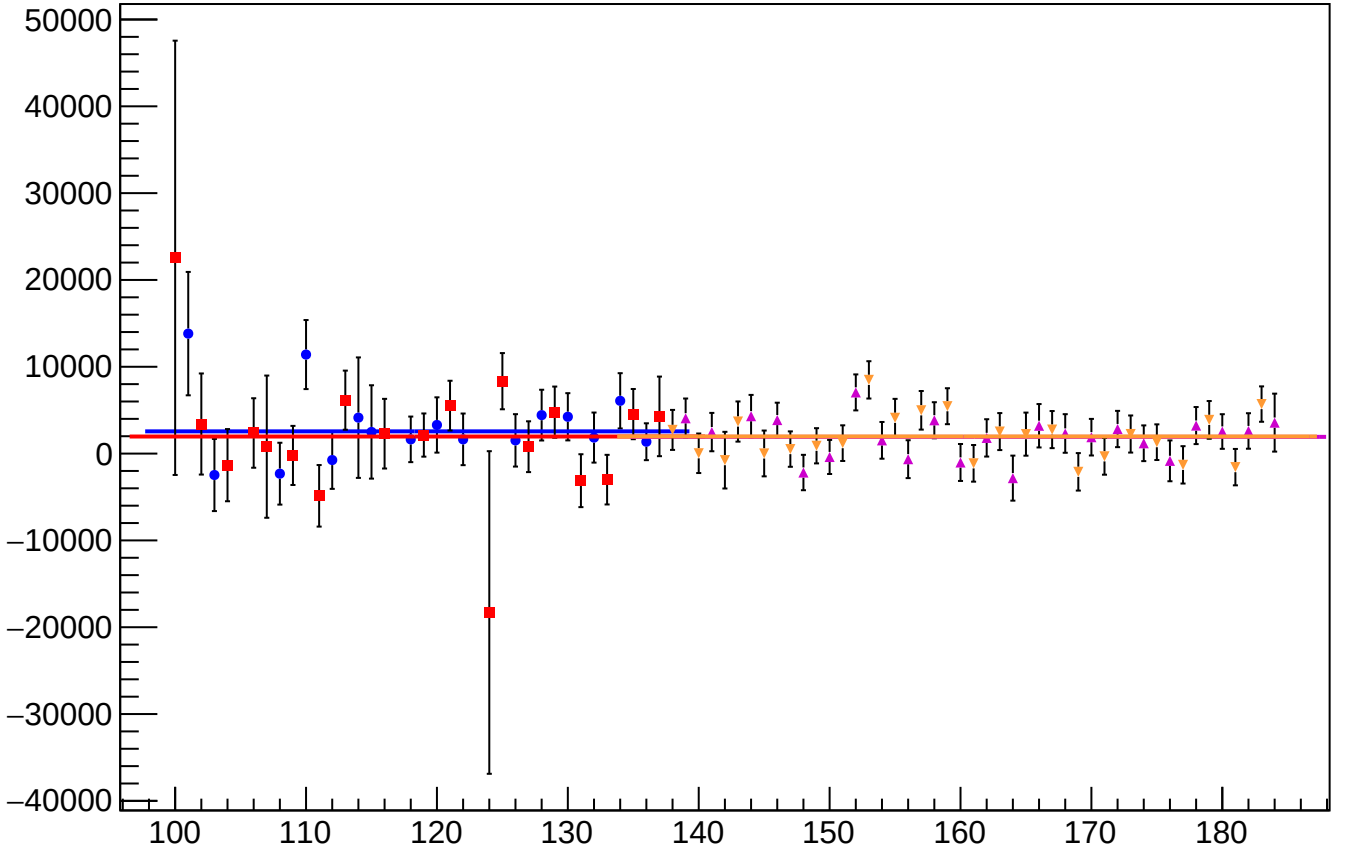
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 482.159+/-0.076 χ^2/NDF:9770635.3/38

Out: 510.926+/-0.079 χ^2/NDF:10322686.9/42

All: 495.923+/-0.055 χ^2/NDF: 20162633.5/81

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: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1950.058+/-318.827 χ^2/NDF: 59.7/46

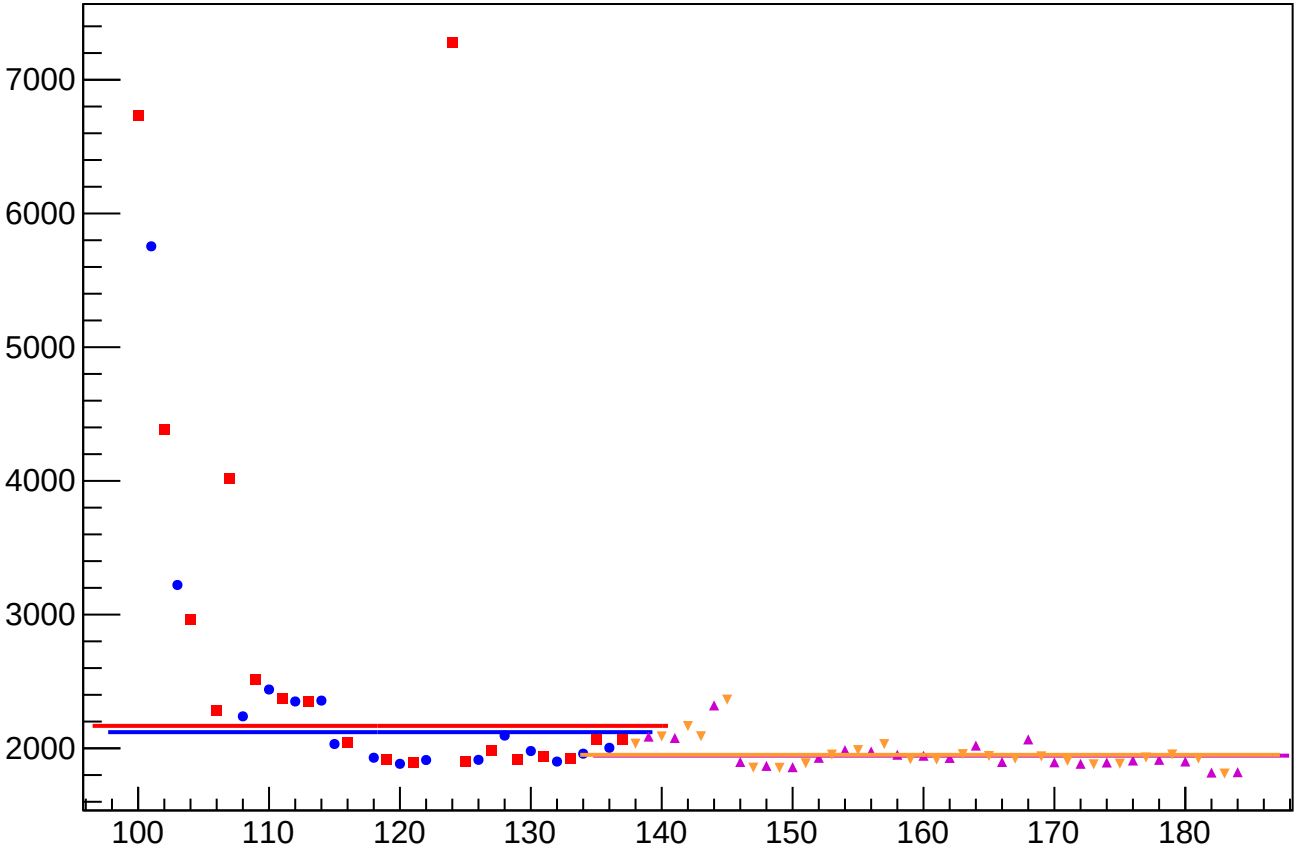
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2078.770+/-396.578 χ^2/NDF:39.8/38

Out: 1971.361+/-392.348 χ^2/NDF:56.5/42

All: 2024.490+/-278.915 χ^2/NDF: 96.4/81

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: 1945.132+/-0.322 χ^2/NDF:95954.5/22

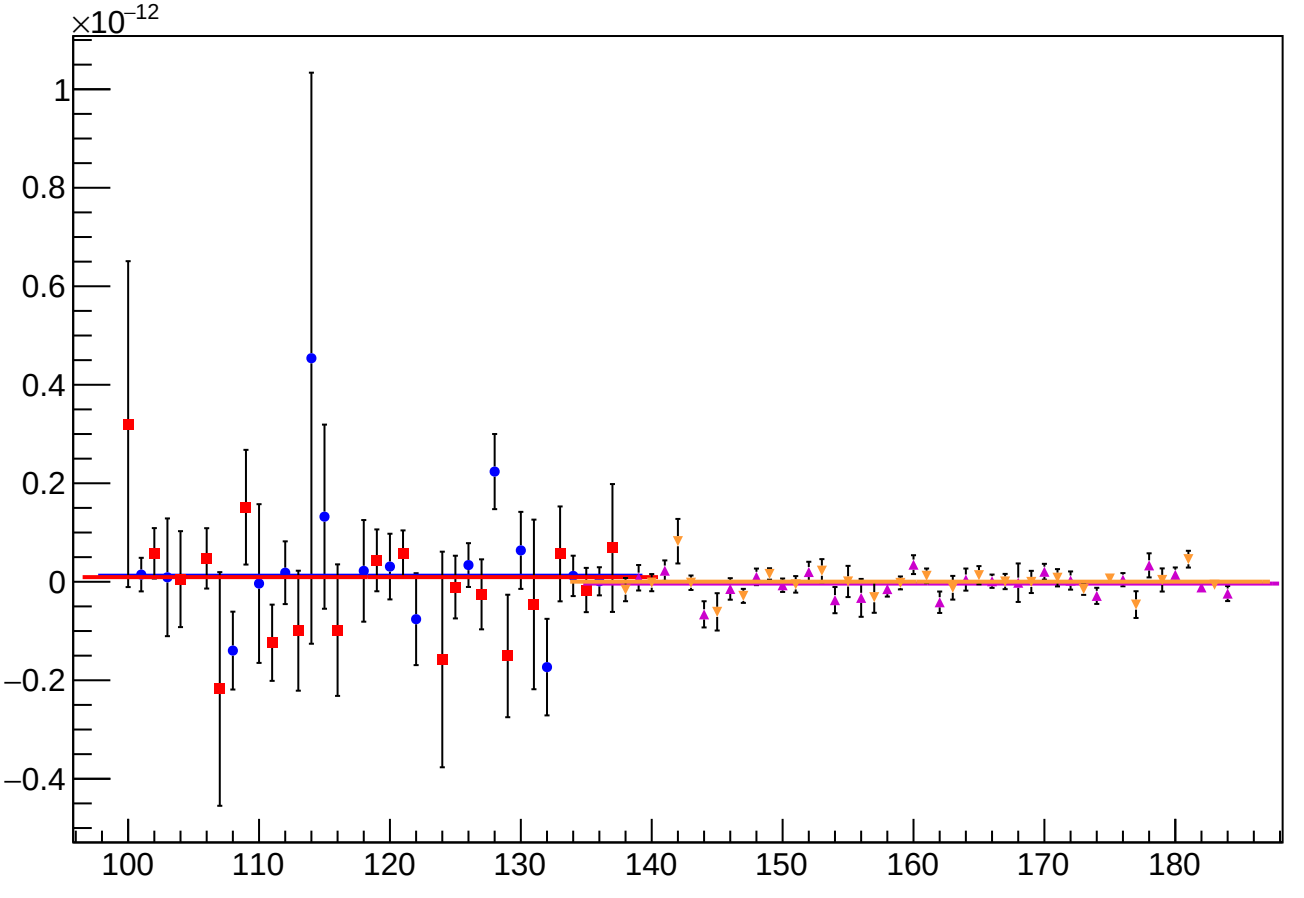
Left: 1948.181+/-0.225 χ^2/NDF: 201741.8/46

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 1987.272+/-0.280 χ^2/NDF:927466.2/38

Out: 2000.881+/-0.277 χ^2/NDF:1037463.8/42

All: 1994.149+/-0.197 χ^2/NDF: 1966120.2/81



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:31.1/22

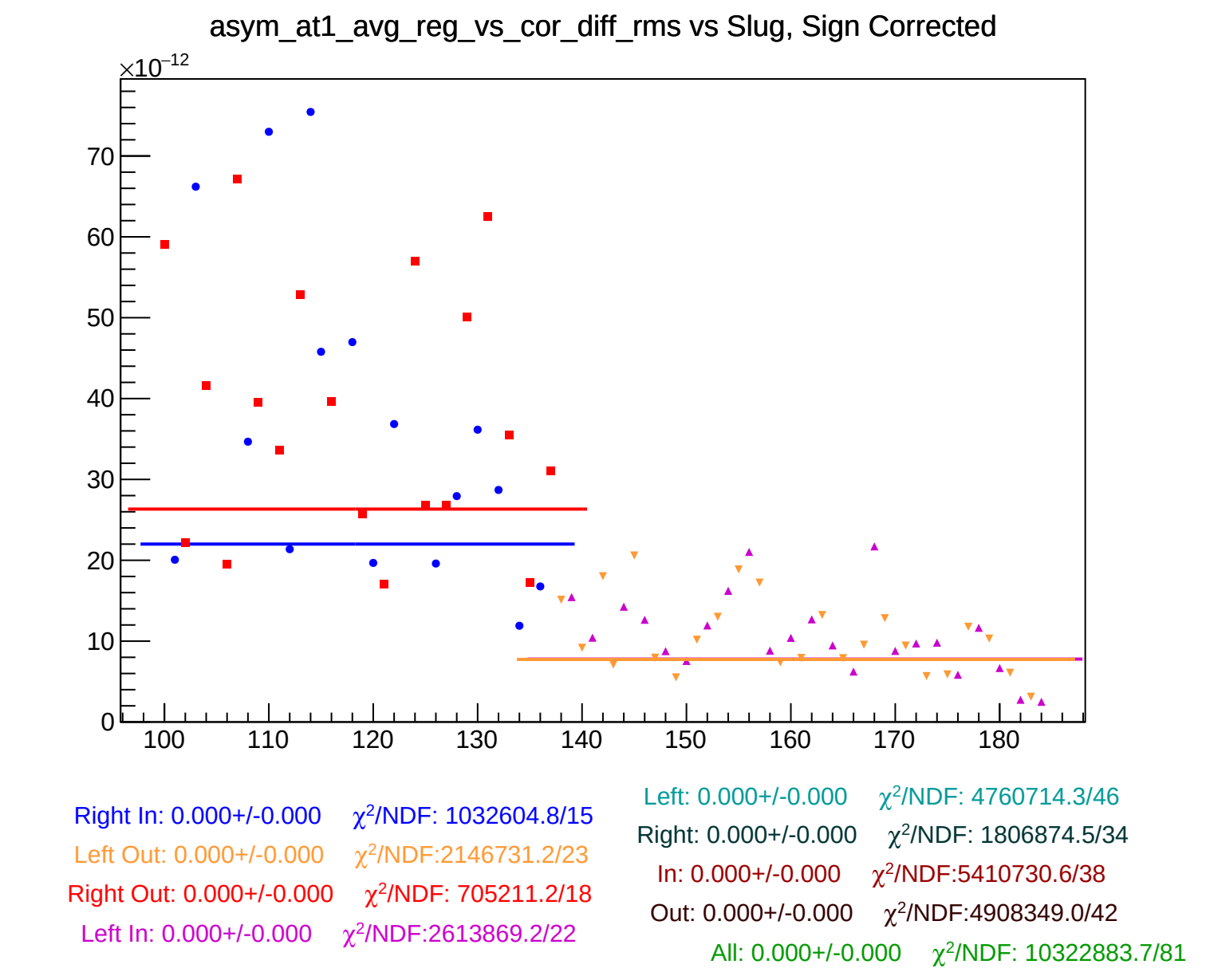
Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

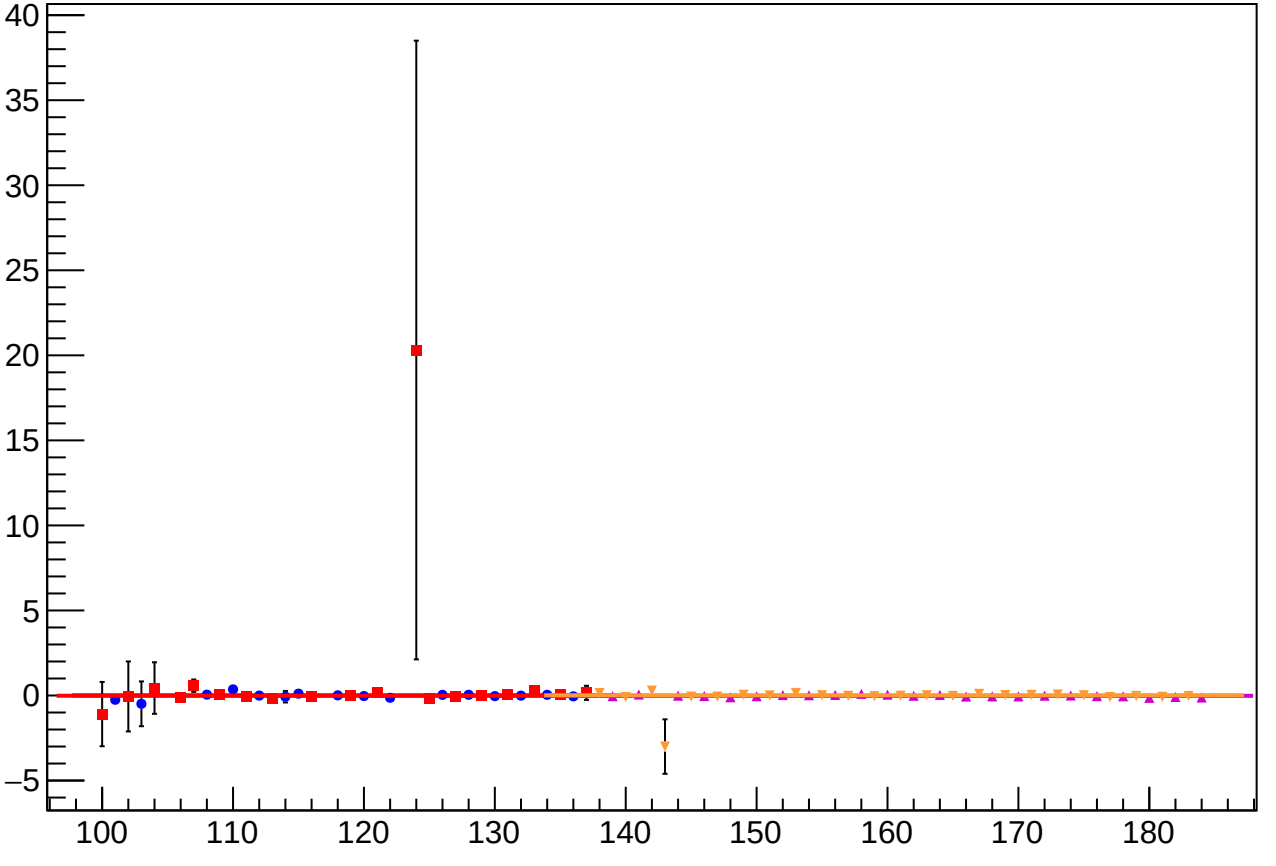
In: -0.000+/-0.000 χ^2/NDF:50.0/38

Out: 0.000+/-0.000 χ^2/NDF:42.7/42

All: -0.000+/-0.000 χ^2/NDF: 93.2/81


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:2613869.2/22
Left: 0.000+/-0.000 χ²/NDF: 4760714.3/46
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:5410730.6/38
Out: 0.000+/-0.000 χ²/NDF:4908349.0/42
All: 0.000+/-0.000 χ²/NDF: 10322883.7/81

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: -0.018+/-0.012 χ^2/NDF:20.3/22

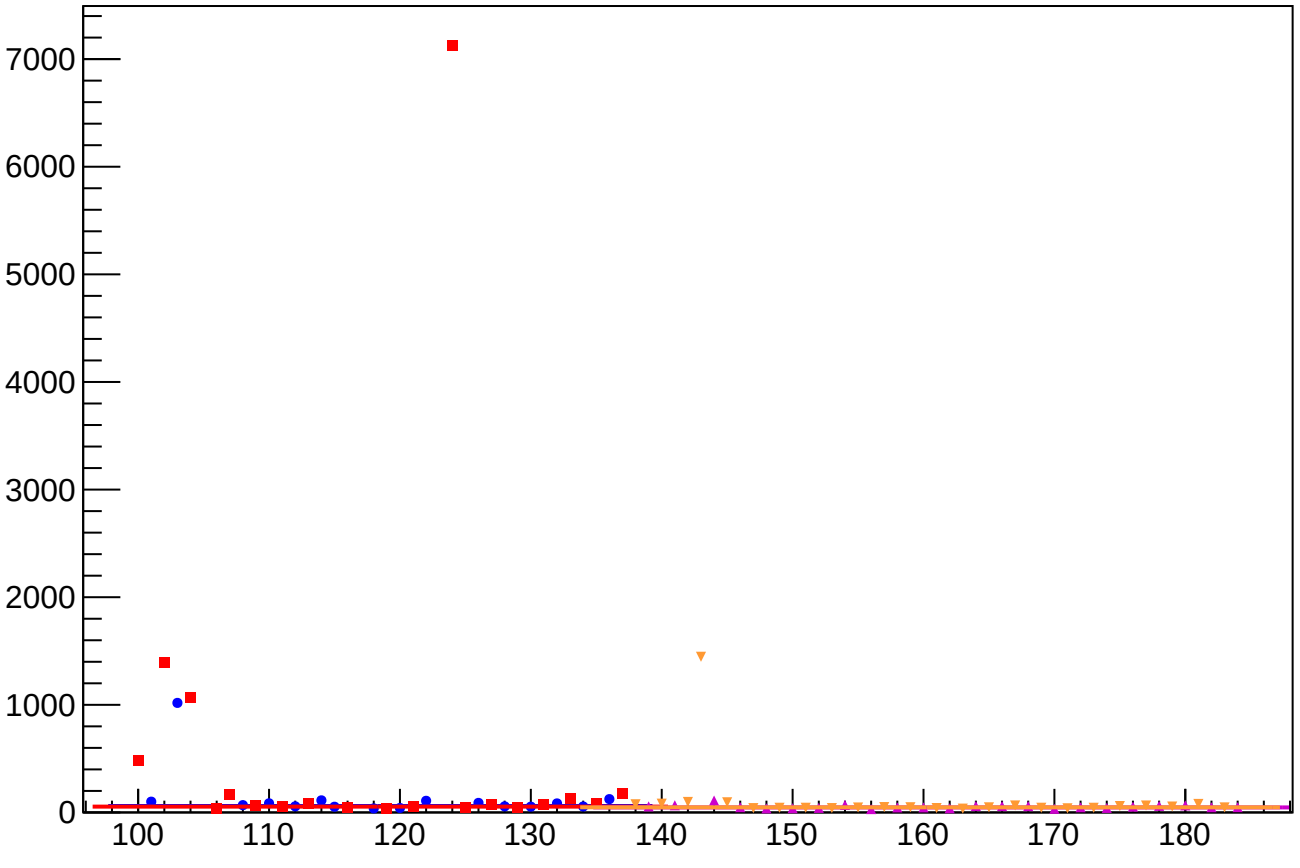
Left: -0.003+/-0.009 χ^2/NDF: 52.2/46

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.014+/-0.011 χ^2/NDF:32.3/38

Out: 0.007+/-0.011 χ^2/NDF:47.2/42

All: -0.003+/-0.008 χ^2/NDF: 81.3/81



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: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.242+/-0.006 χ^2/NDF: 5385758.3/46

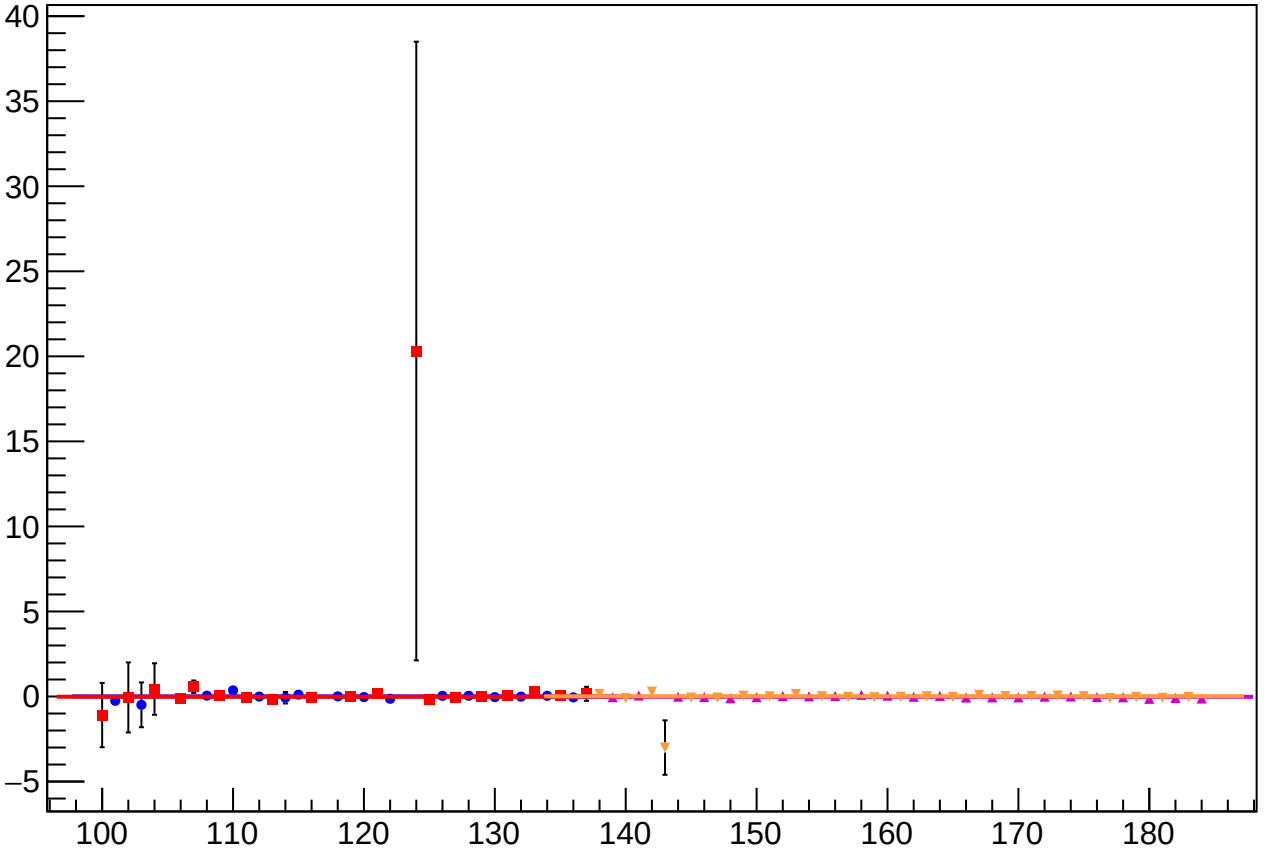
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.055+/-0.008 χ^2/NDF:4882788.9/38

Out: 48.954+/-0.008 χ^2/NDF:7056044.5/42

All: 49.005+/-0.006 χ^2/NDF: 11938914.2/81

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: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.003+/-0.009 χ^2/NDF: 52.2/46

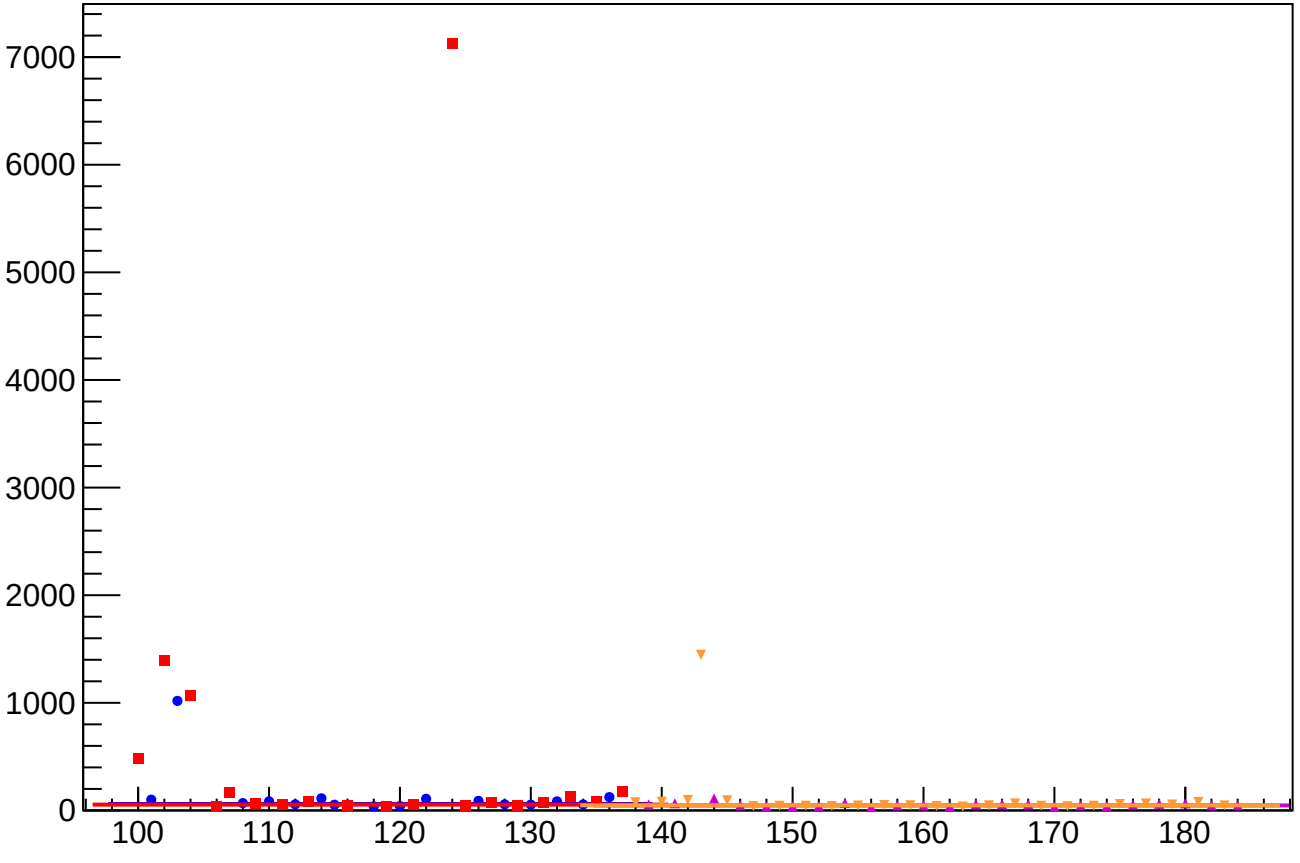
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.014+/-0.011 χ^2/NDF:32.3/38

Out: 0.007+/-0.011 χ^2/NDF:47.2/42

All: -0.003+/-0.008 χ^2/NDF: 81.3/81

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: 46.786+/-0.009 χ^2/NDF:1949486.1/22

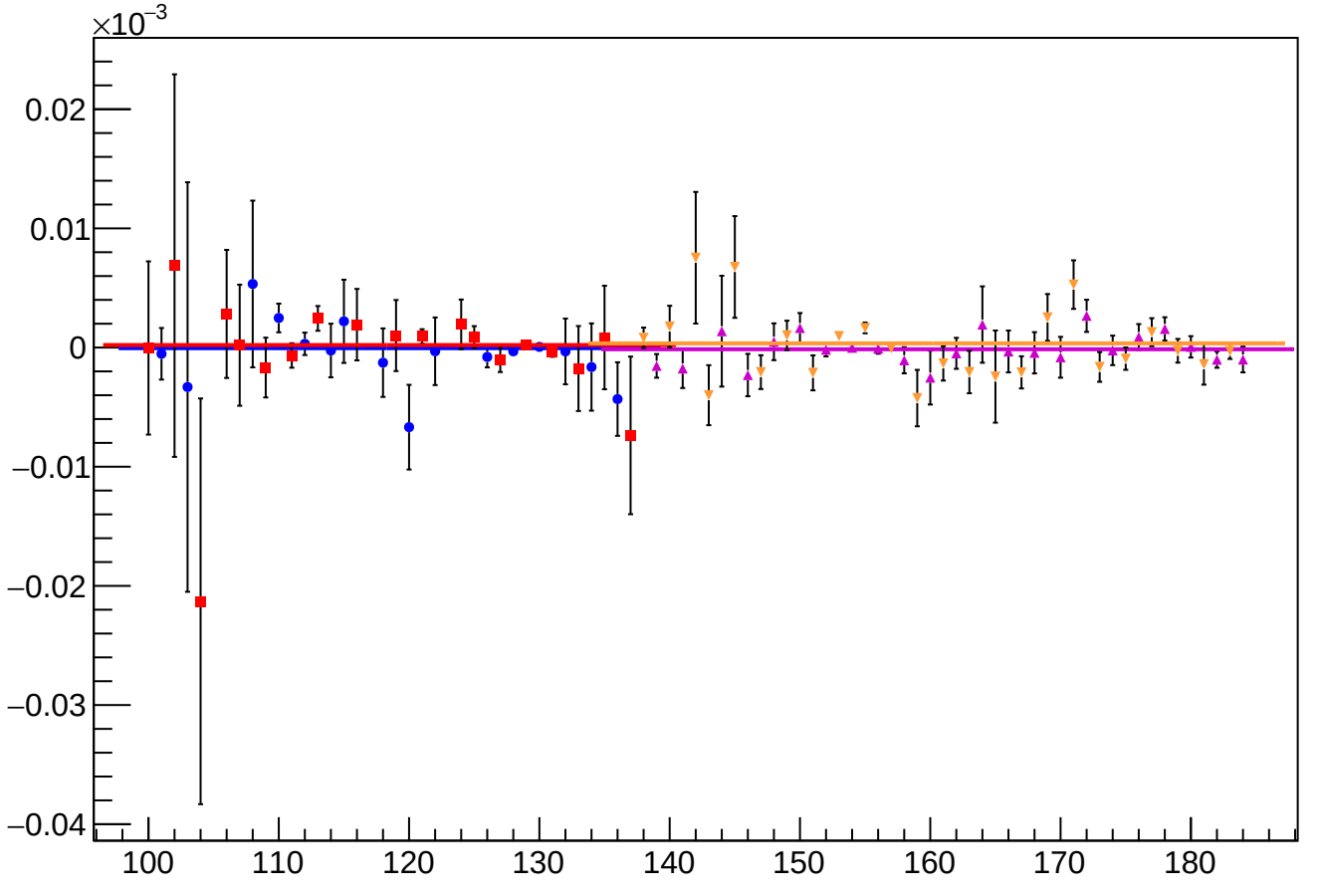
Left: 47.242+/-0.006 χ^2/NDF: 5385758.3/46

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.055+/-0.008 χ^2/NDF:4882788.9/38

Out: 48.954+/-0.008 χ^2/NDF:7056044.5/42

All: 49.005+/-0.006 χ^2/NDF: 11938914.2/81



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:19.9/22

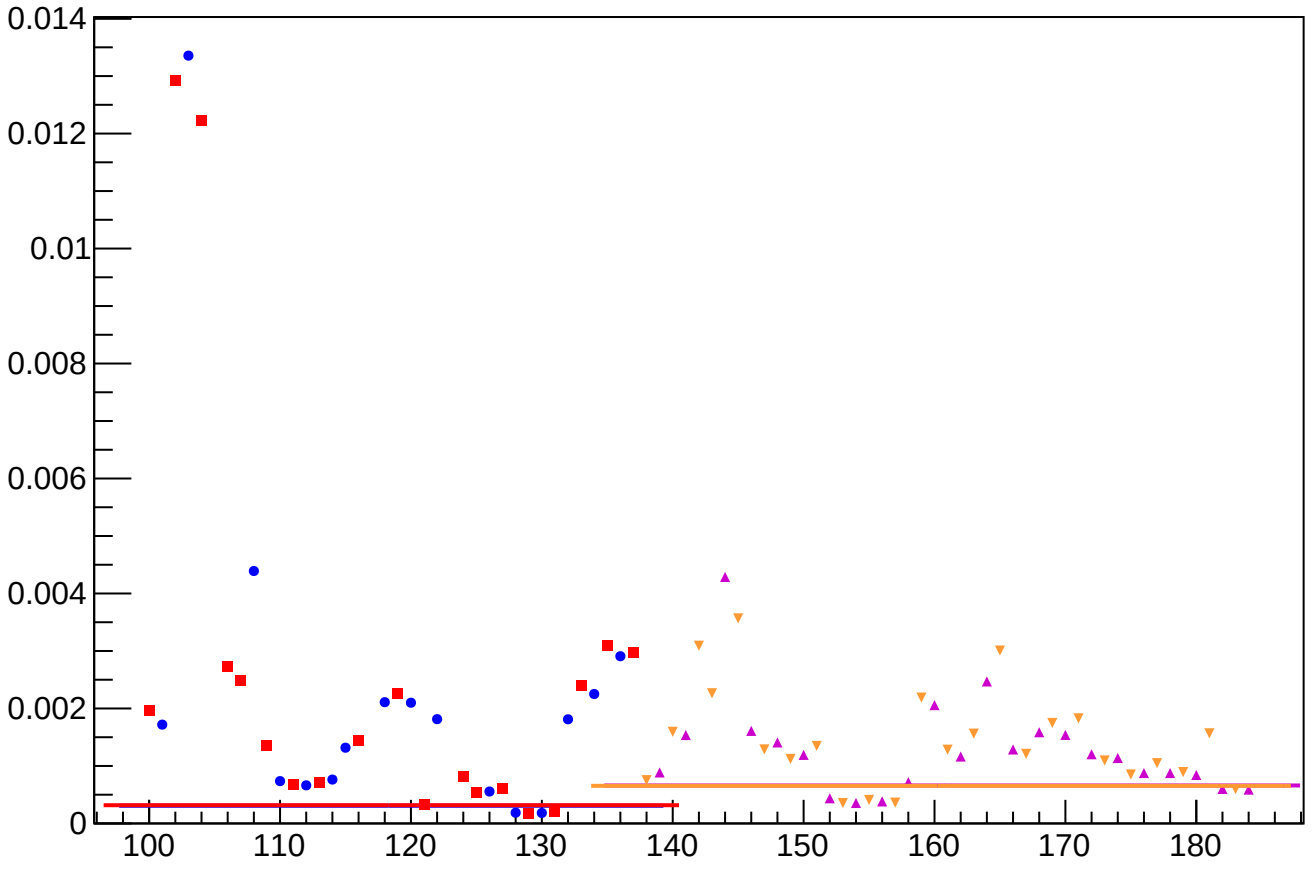
Left: 0.000+/-0.000 χ^2/NDF: 74.3/46

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:32.8/38

Out: 0.000+/-0.000 χ^2/NDF:66.8/42

All: 0.000+/-0.000 χ^2/NDF: 103.7/81



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:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21777242.6/46

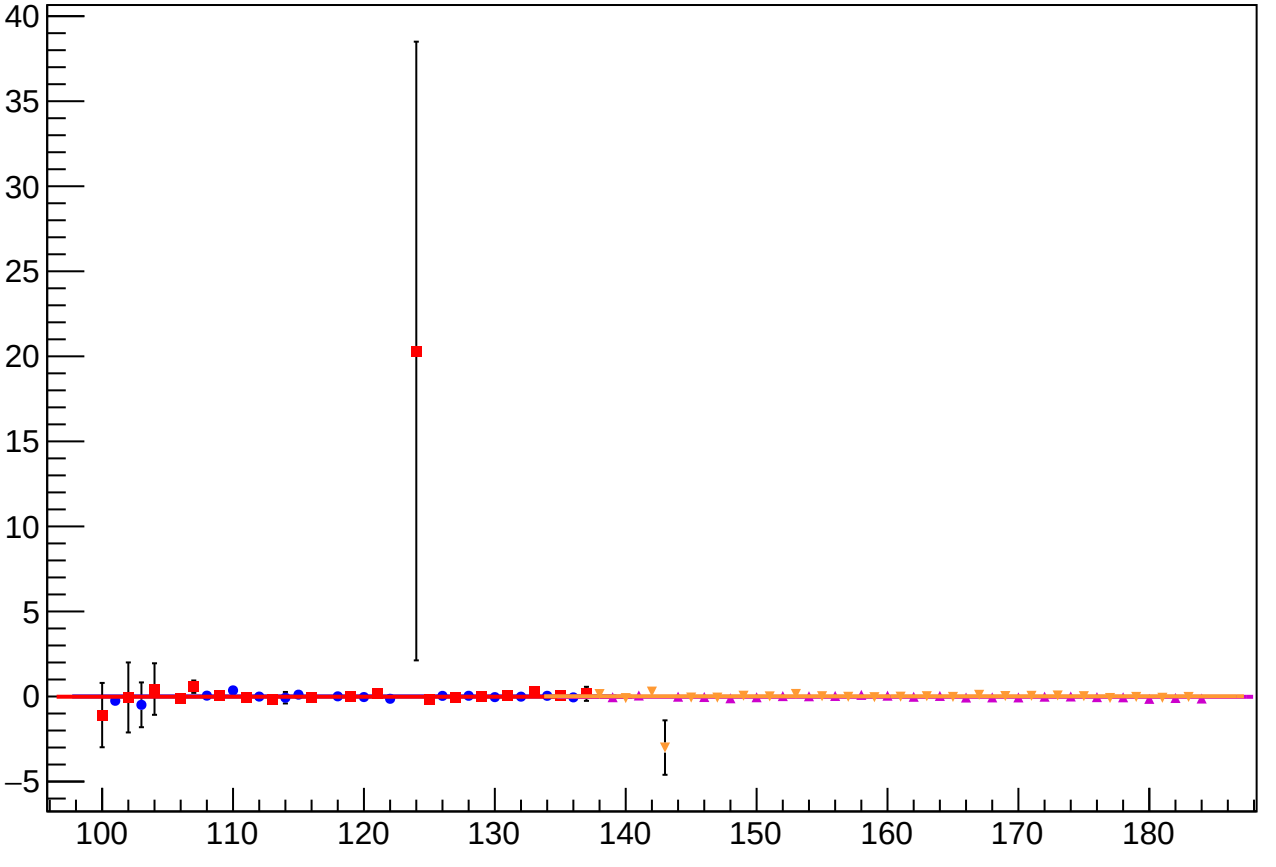
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:21868546.1/38

Out: 0.000+/-0.000 χ^2/NDF:23296503.5/42

All: 0.000+/-0.000 χ^2/NDF: 45165759.3/81

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: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.003+/-0.009 χ^2/NDF: 52.2/46

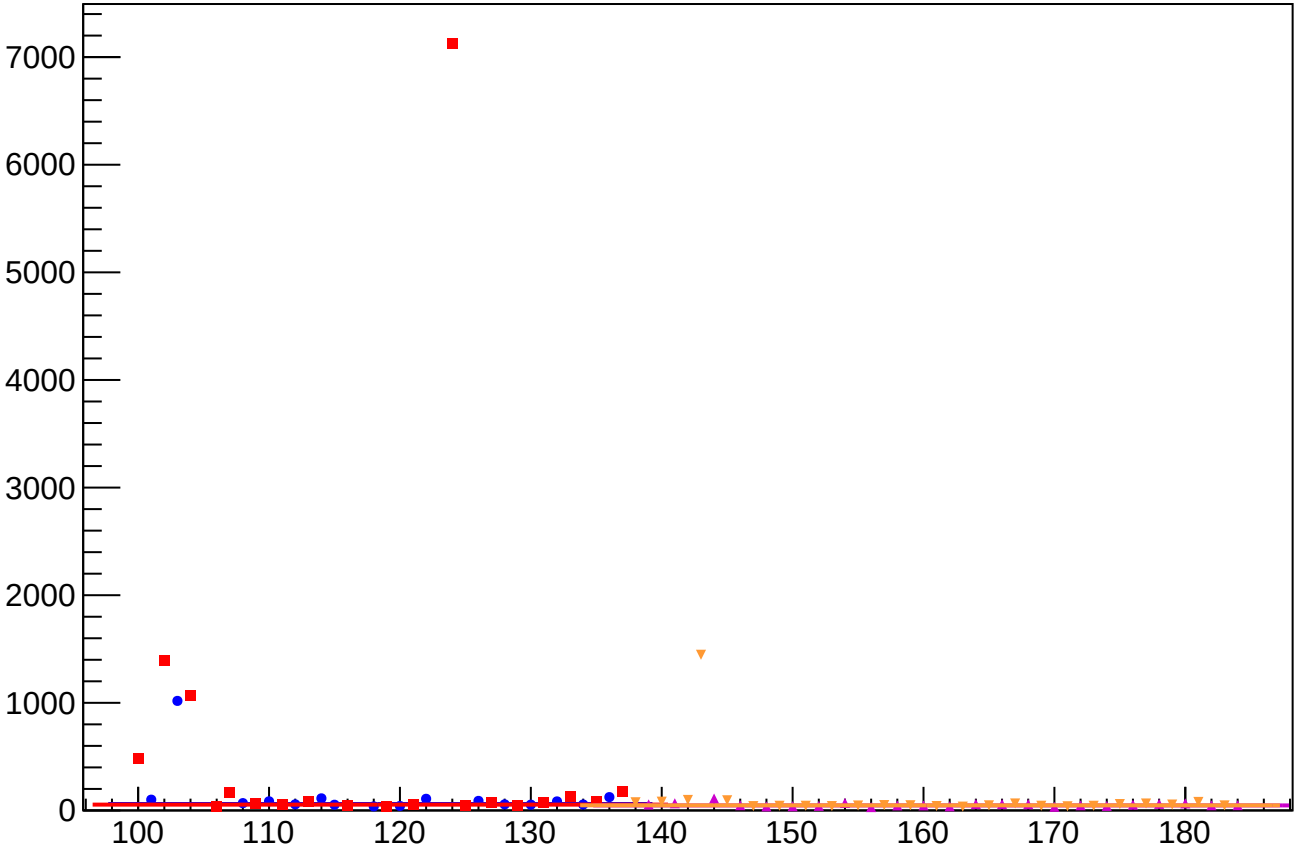
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.014+/-0.011 χ^2/NDF:32.3/38

Out: 0.007+/-0.011 χ^2/NDF:47.2/42

All: -0.003+/-0.008 χ^2/NDF: 81.3/81

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: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.242+/-0.006 χ^2/NDF: 5385732.1/46

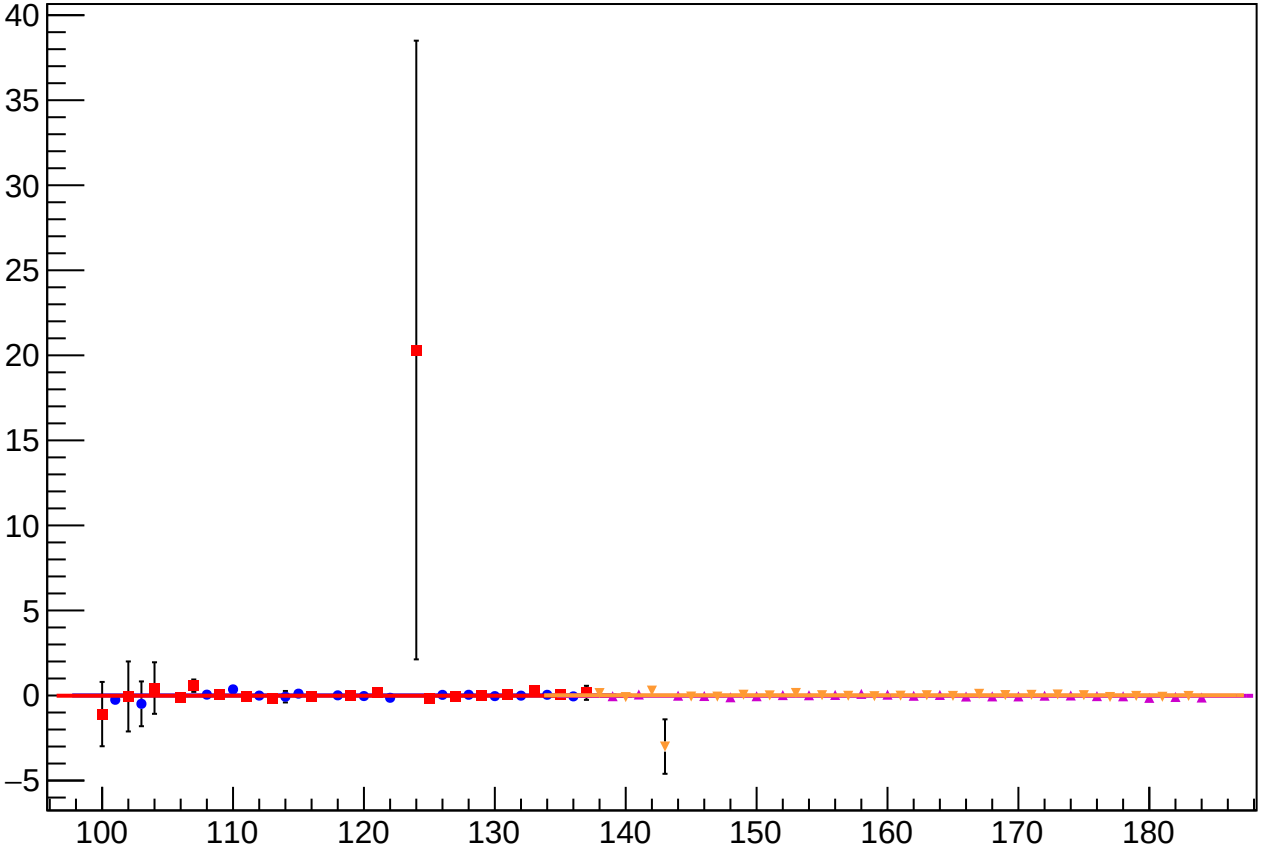
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.055+/-0.008 χ^2/NDF:4882787.7/38

Out: 48.954+/-0.008 χ^2/NDF:7056043.3/42

All: 49.005+/-0.006 χ^2/NDF: 11938911.6/81

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: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.003+/-0.009 χ^2/NDF: 52.2/46

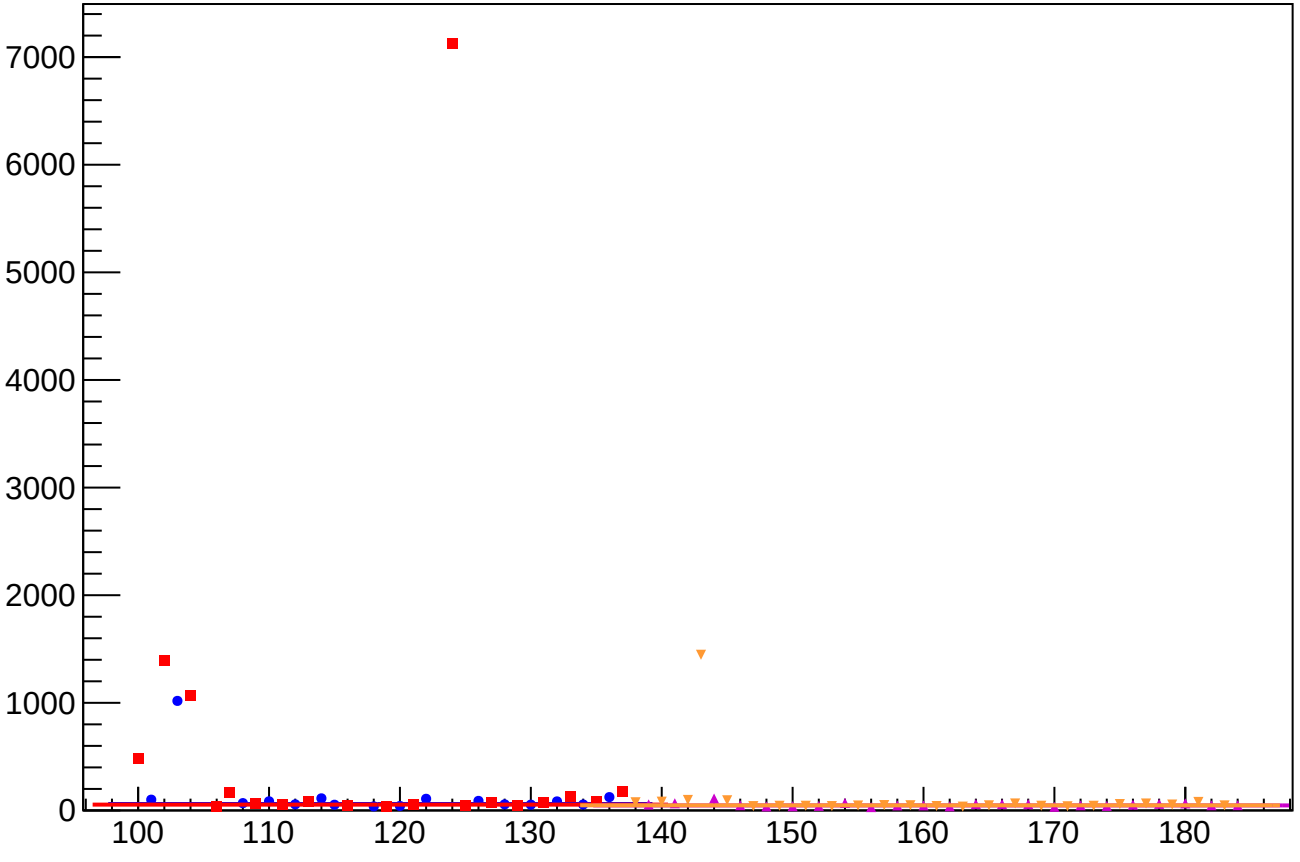
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.014+/-0.011 χ^2/NDF:32.3/38

Out: 0.007+/-0.011 χ^2/NDF:47.2/42

All: -0.003+/-0.008 χ^2/NDF: 81.3/81

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: 46.786+/-0.009 χ^2/NDF:1949480.3/22

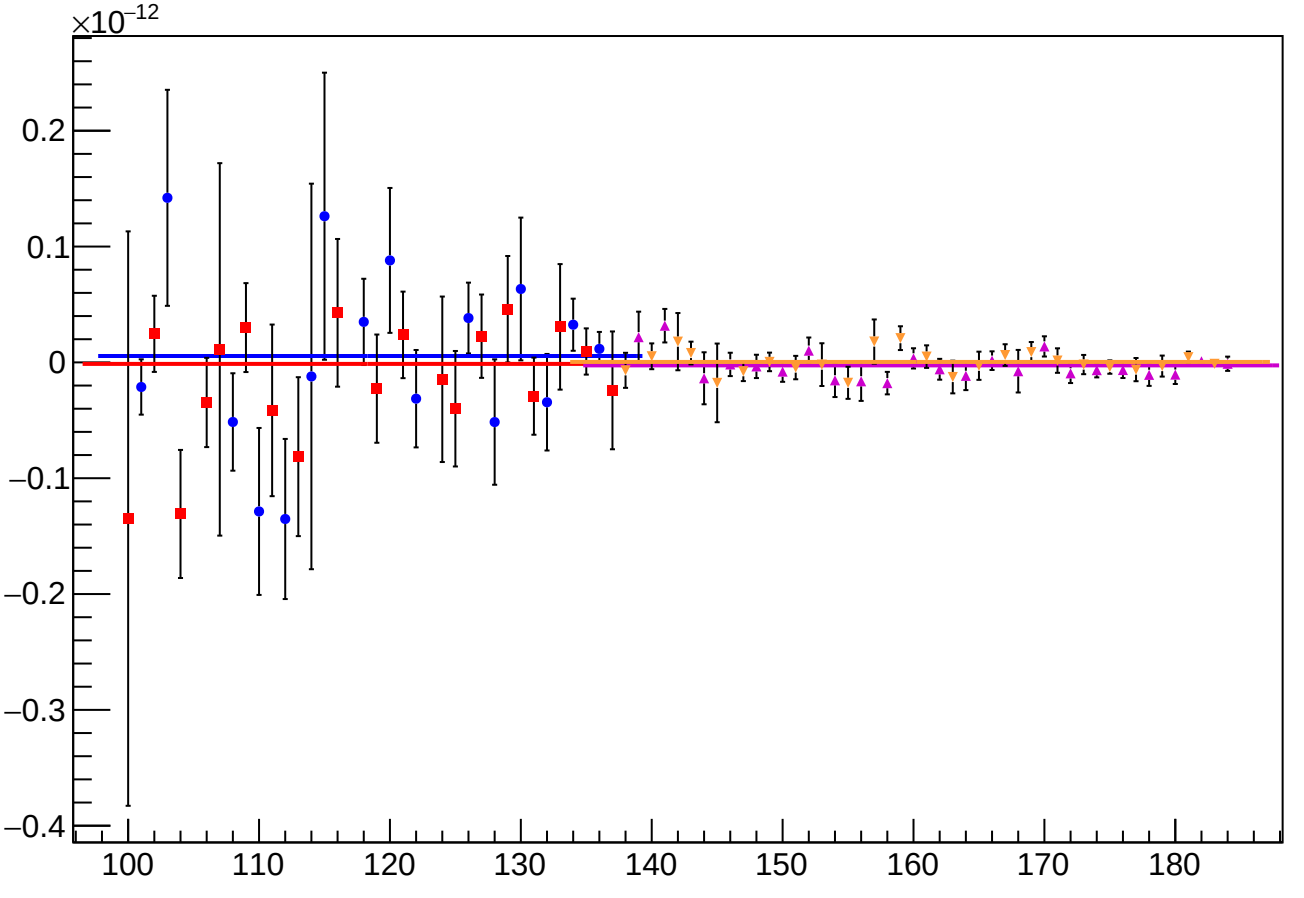
Left: 47.242+/-0.006 χ^2/NDF: 5385732.1/46

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.055+/-0.008 χ^2/NDF:4882787.7/38

Out: 48.954+/-0.008 χ^2/NDF:7056043.3/42

All: 49.005+/-0.006 χ^2/NDF: 11938911.6/81



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:21.8/22

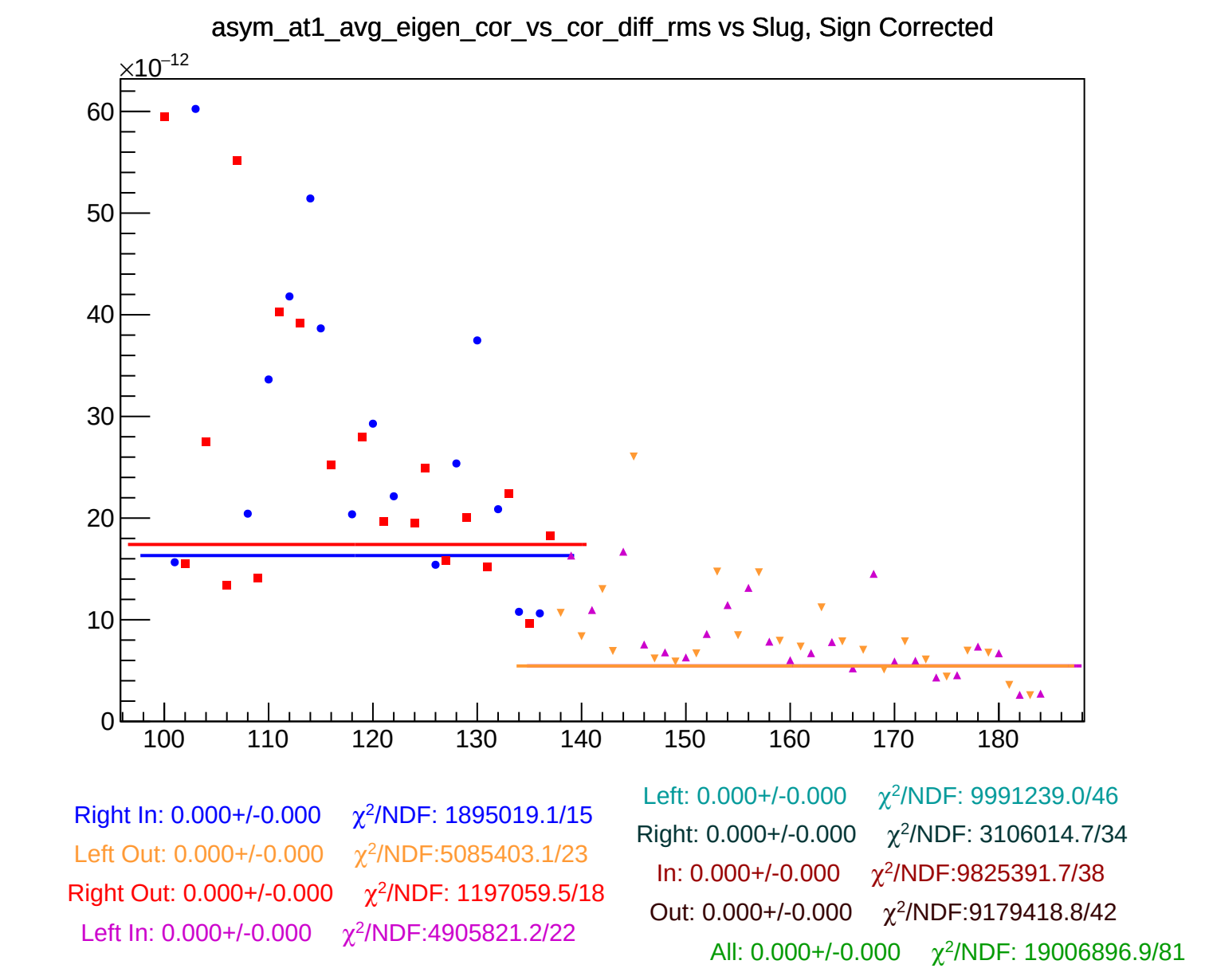
Left: -0.000+/-0.000 χ^2/NDF: 37.4/46

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

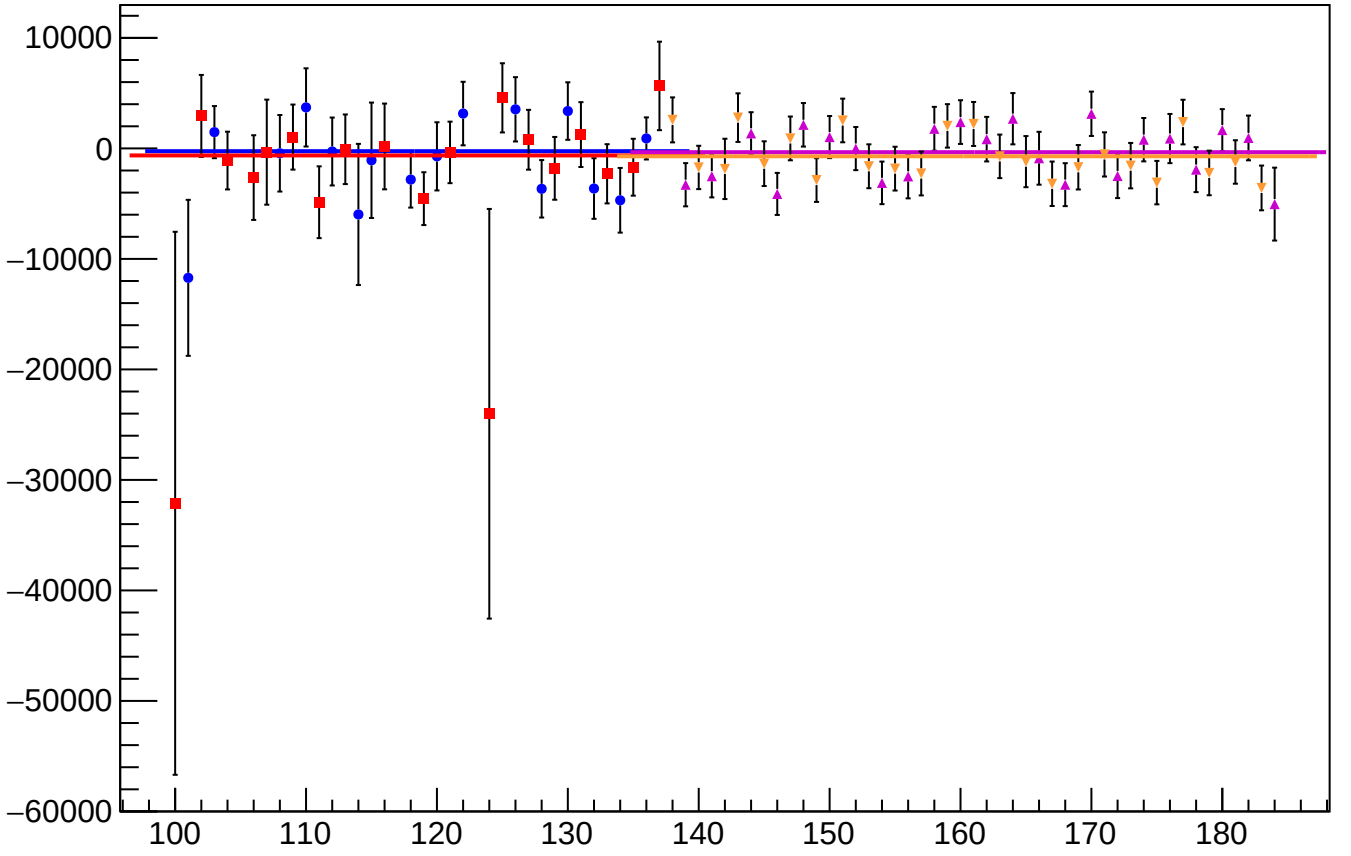
In: -0.000+/-0.000 χ^2/NDF:45.2/38

Out: 0.000+/-0.000 χ^2/NDF:28.5/42

All: -0.000+/-0.000 χ^2/NDF: 74.9/81


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:5085403.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:4905821.2/22
Left: 0.000+/-0.000 χ²/NDF: 9991239.0/46
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:9825391.7/38
Out: 0.000+/-0.000 χ²/NDF:9179418.8/42
All: 0.000+/-0.000 χ²/NDF: 19006896.9/81

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: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -531.583+/-296.154 χ^2/NDF: 54.4/46

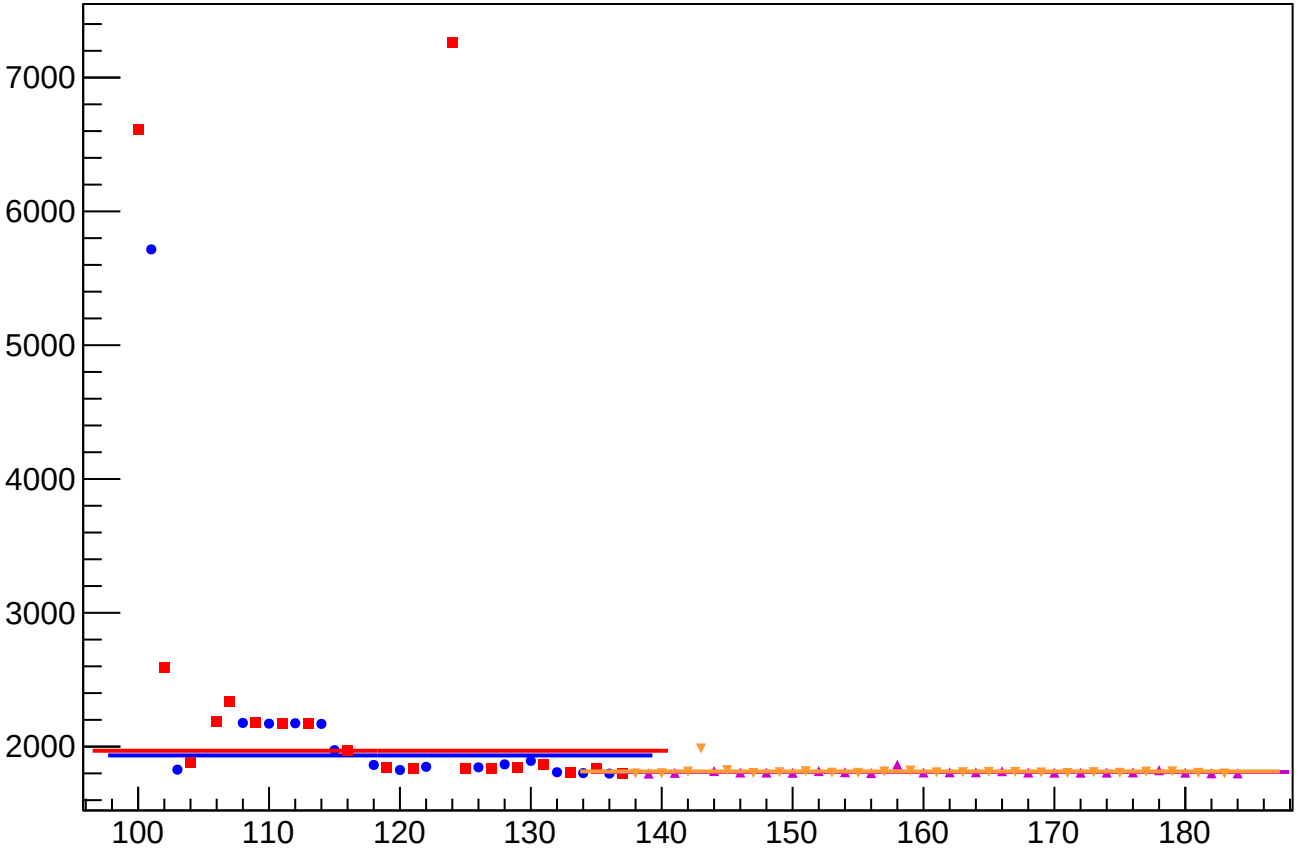
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -320.171+/-366.447 χ^2/NDF:47.3/38

Out: -694.754+/-361.460 χ^2/NDF:39.9/42

All: -510.028+/-257.336 χ^2/NDF: 87.7/81

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: 1810.457+/-0.299 χ^2/NDF:1967.2/22

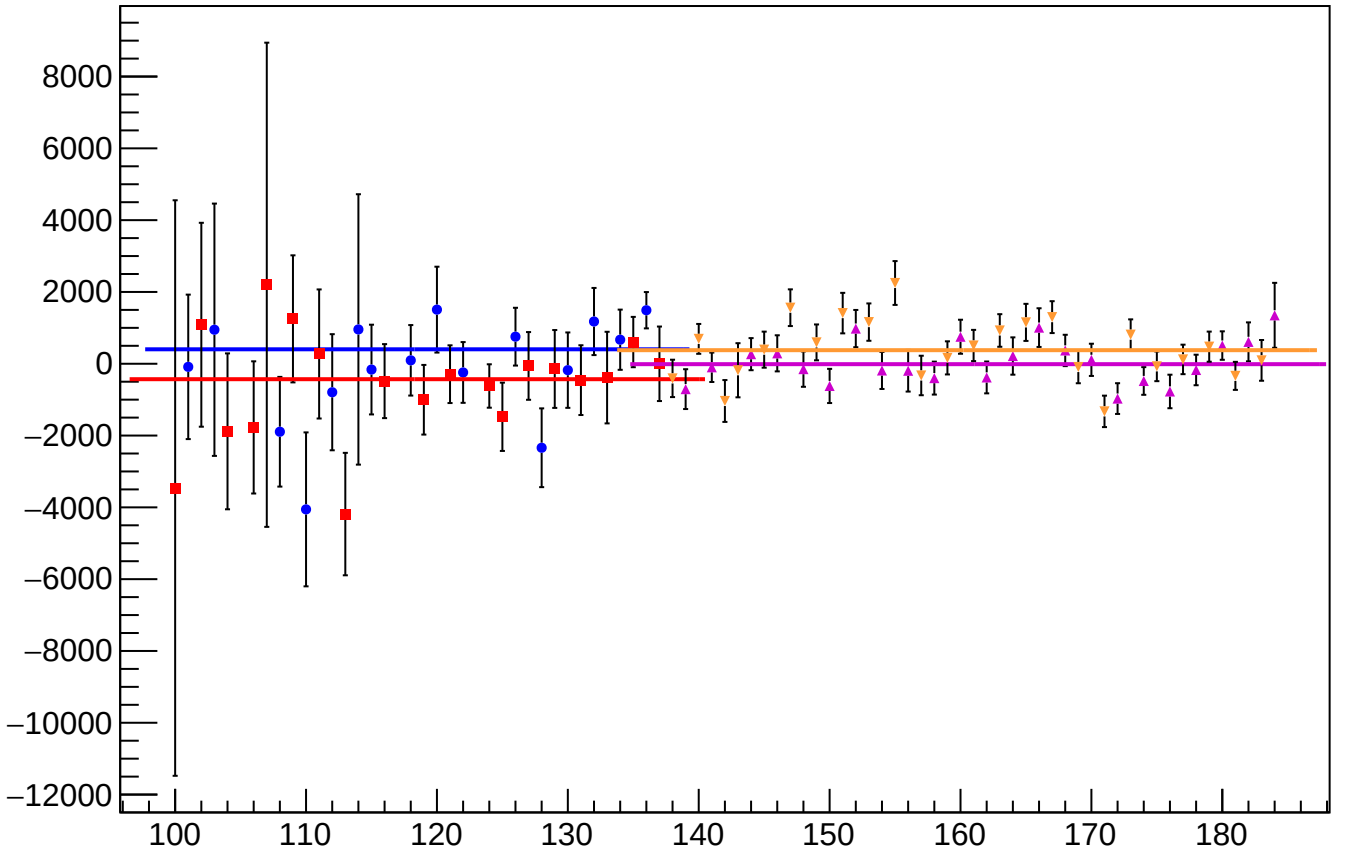
Left: 1812.594+/-0.209 χ^2/NDF: 15128.7/46

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1841.211+/-0.259 χ^2/NDF:684487.3/38

Out: 1851.983+/-0.256 χ^2/NDF:458423.3/42

All: 1846.671+/-0.182 χ^2/NDF: 1143786.7/81



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: -11.527+/-98.976 χ^2/NDF:31.1/22

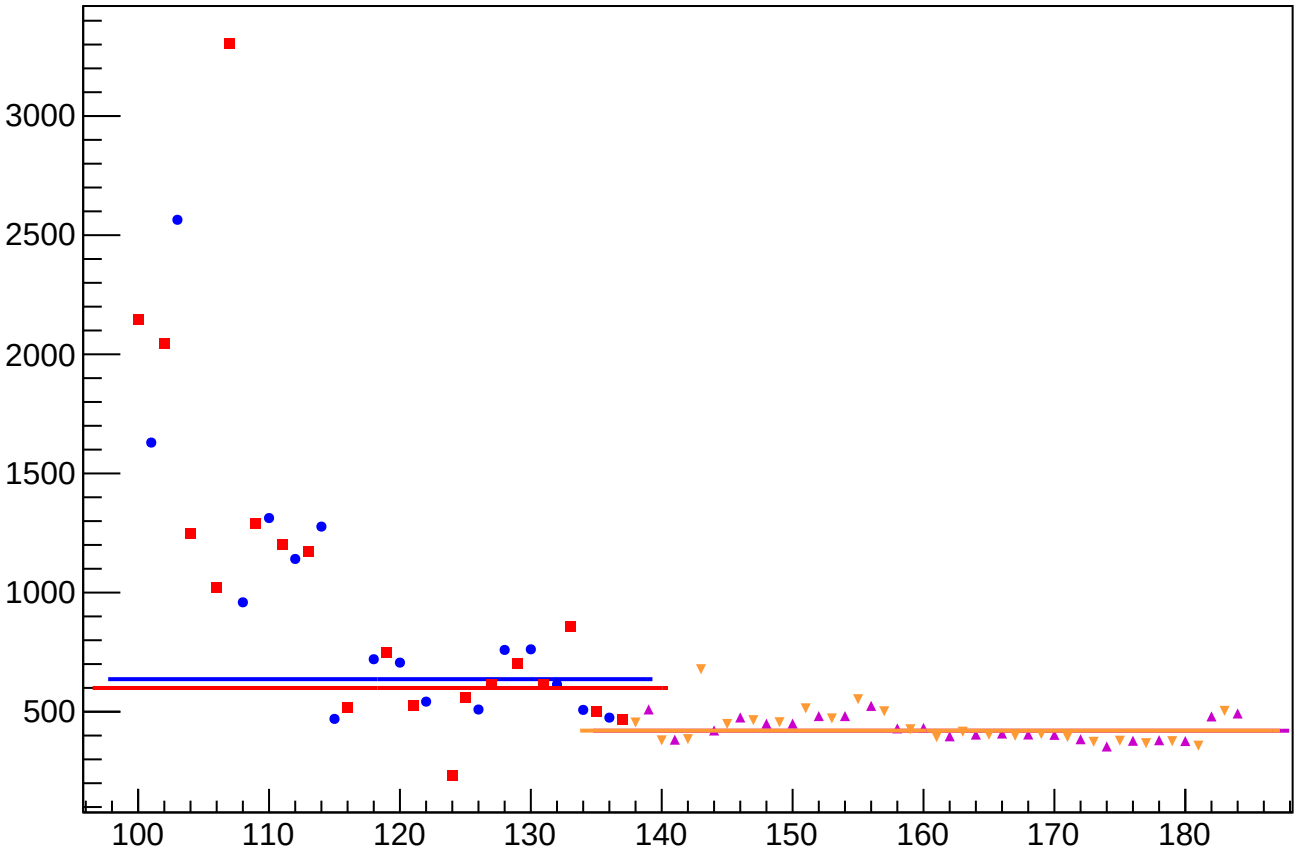
Left: 186.232+/-69.458 χ^2/NDF: 101.3/46

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 41.399+/-92.436 χ^2/NDF:54.5/38

Out: 273.499+/-90.969 χ^2/NDF:82.9/42

All: 159.306+/-64.837 χ^2/NDF: 140.6/81



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: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.455+/-0.049 χ^2/NDF: 1144714.4/46

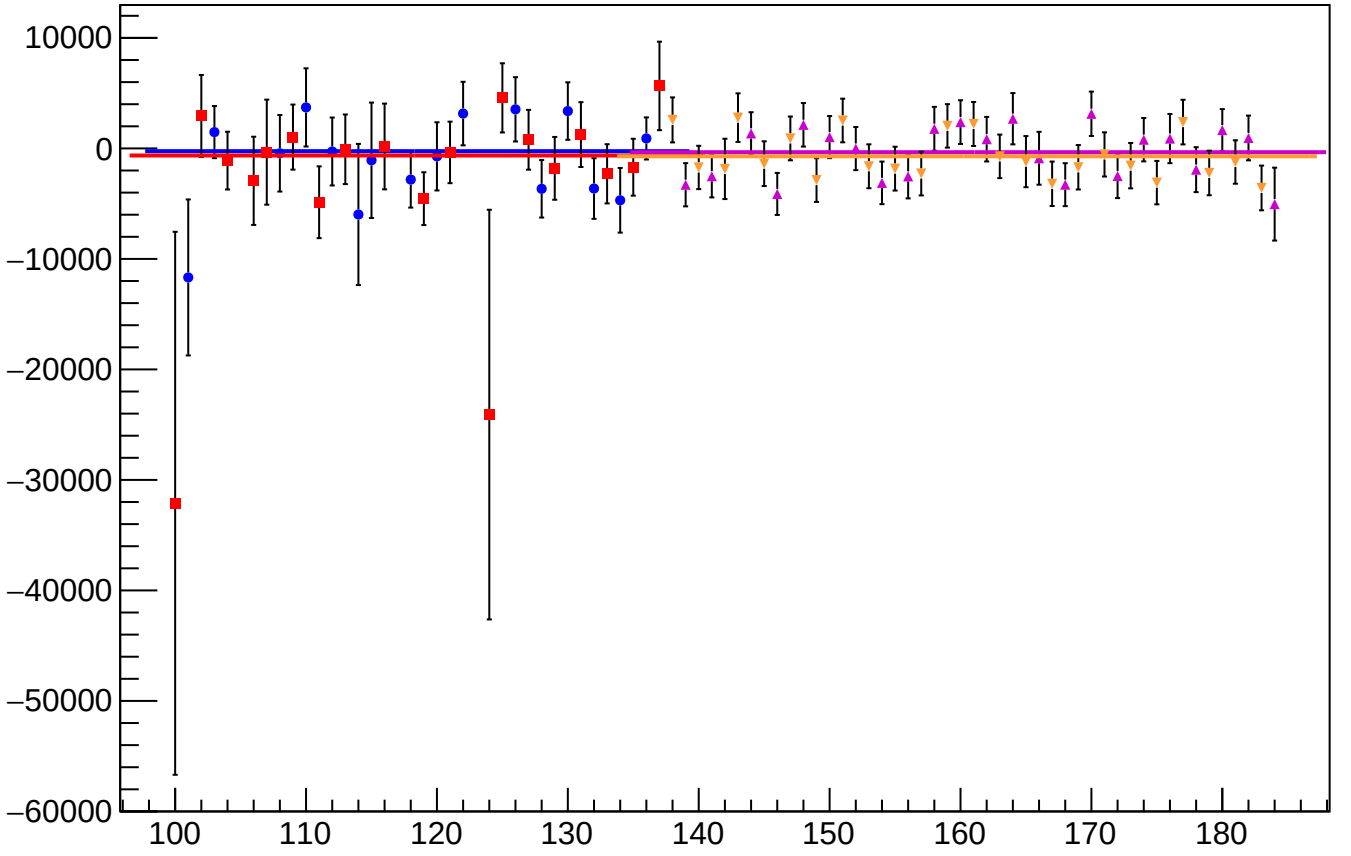
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 447.887+/-0.065 χ^2/NDF:3702679.3/38

Out: 443.848+/-0.064 χ^2/NDF:4547932.1/42

All: 445.835+/-0.046 χ^2/NDF: 8252551.1/81

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: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -531.611+/-296.154 χ^2/NDF: 54.4/46

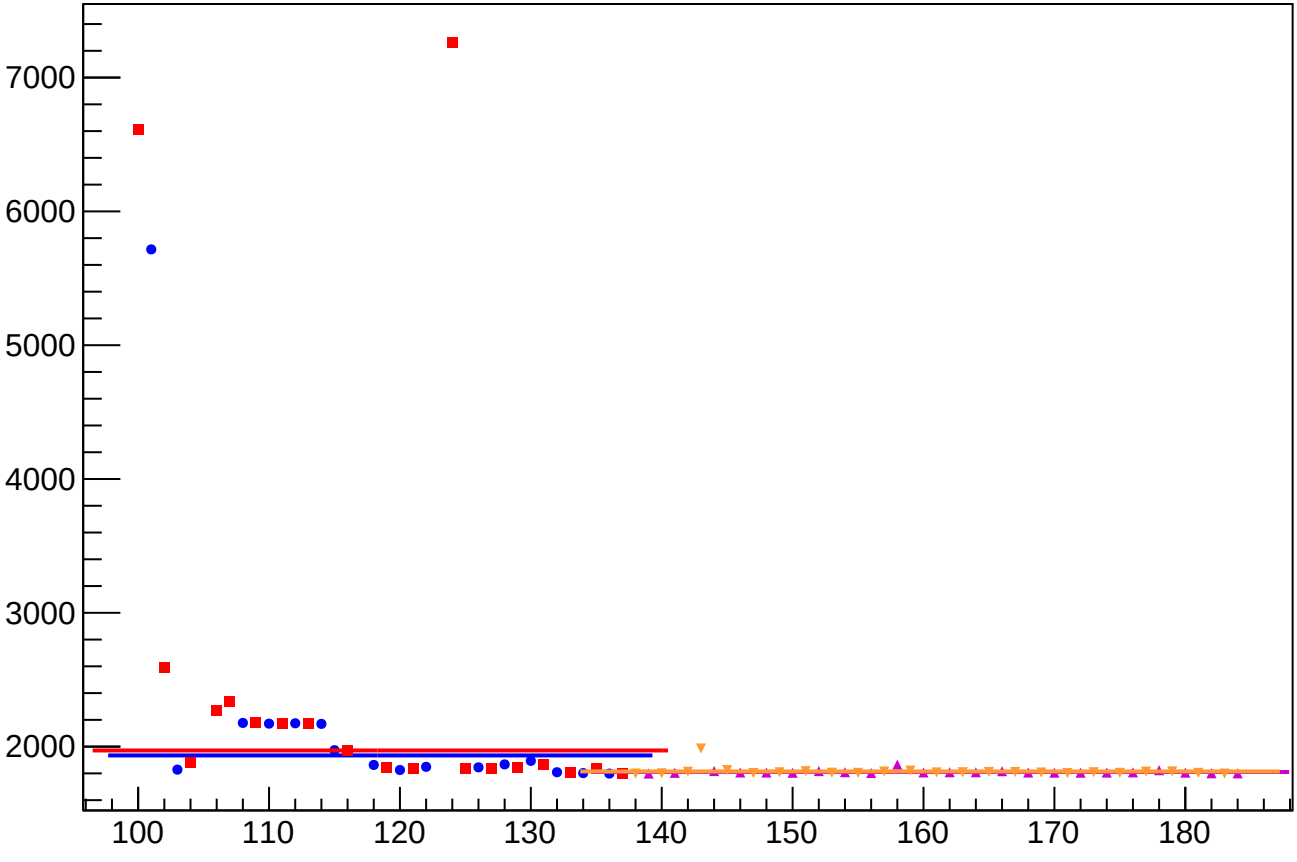
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -320.003+/-366.447 χ^2/NDF:47.3/38

Out: -695.958+/-361.587 χ^2/NDF:39.9/42

All: -510.490+/-257.382 χ^2/NDF: 87.8/81

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: 1810.457+/-0.299 χ^2/NDF:1967.2/22

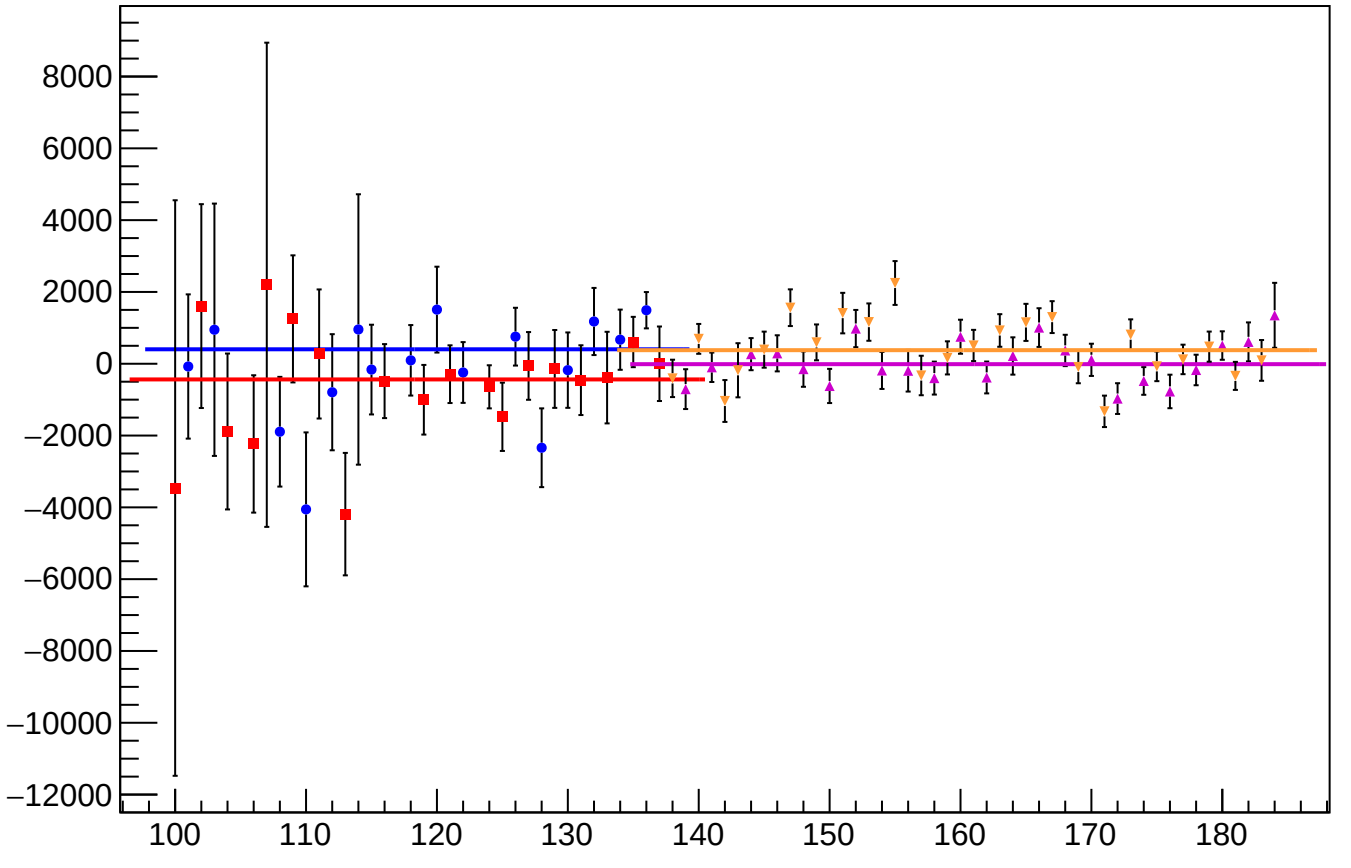
Left: 1812.594+/-0.209 χ^2/NDF: 15128.7/46

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1841.211+/-0.259 χ^2/NDF:684487.2/38

Out: 1852.420+/-0.256 χ^2/NDF:464948.1/42

All: 1846.890+/-0.182 χ^2/NDF: 1150383.5/81



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: -11.539+/-98.975 χ^2/NDF:31.1/22

Left: 186.204+/-69.458 χ^2/NDF: 101.3/46

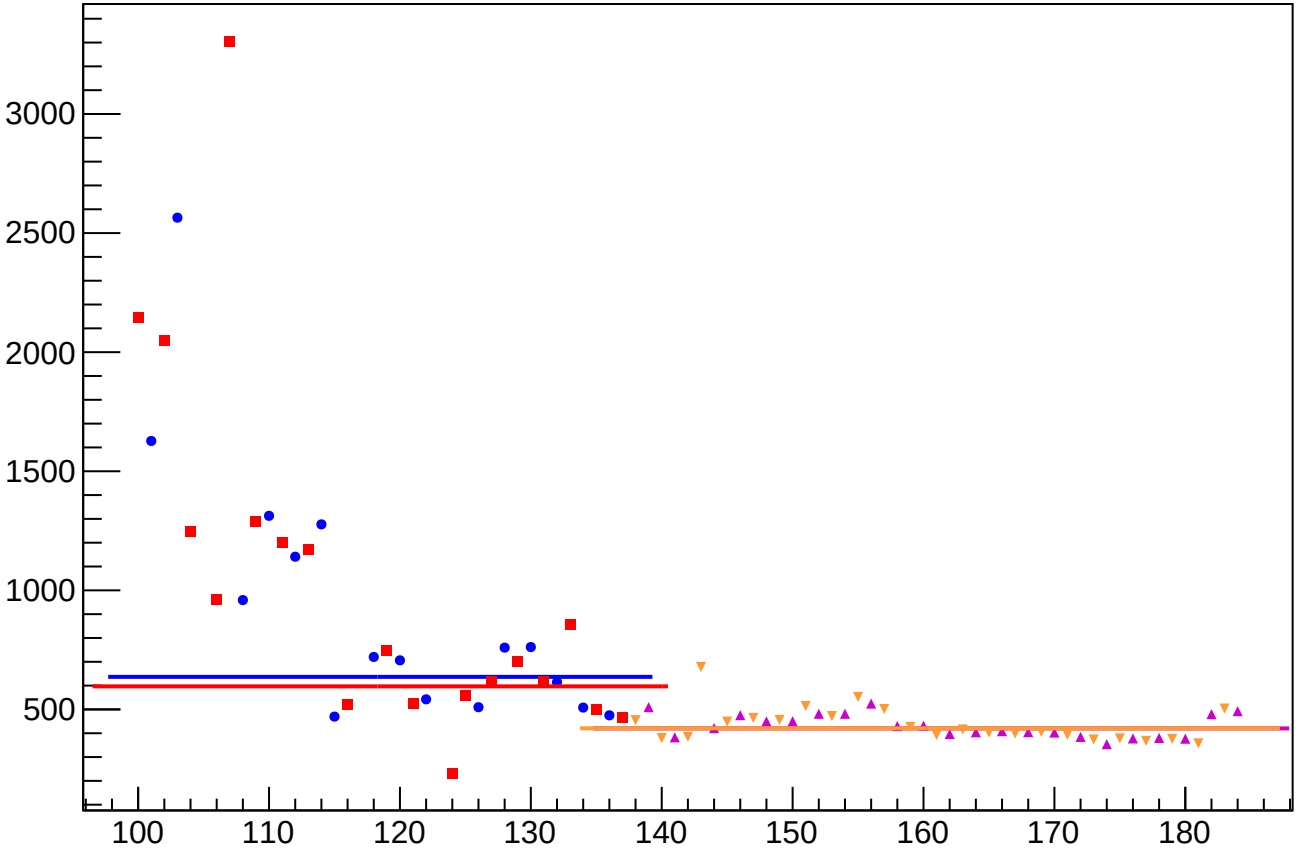
Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 41.401+/-92.434 χ^2/NDF:54.5/38

Out: 272.497+/-90.962 χ^2/NDF:83.7/42

All: 158.804+/-64.834 χ^2/NDF: 141.4/81

asym_at1_dd_cor_correction_rms vs Slug, Sign Corrected



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: 420.218+/-0.070 χ^2/NDF:413172.4/22

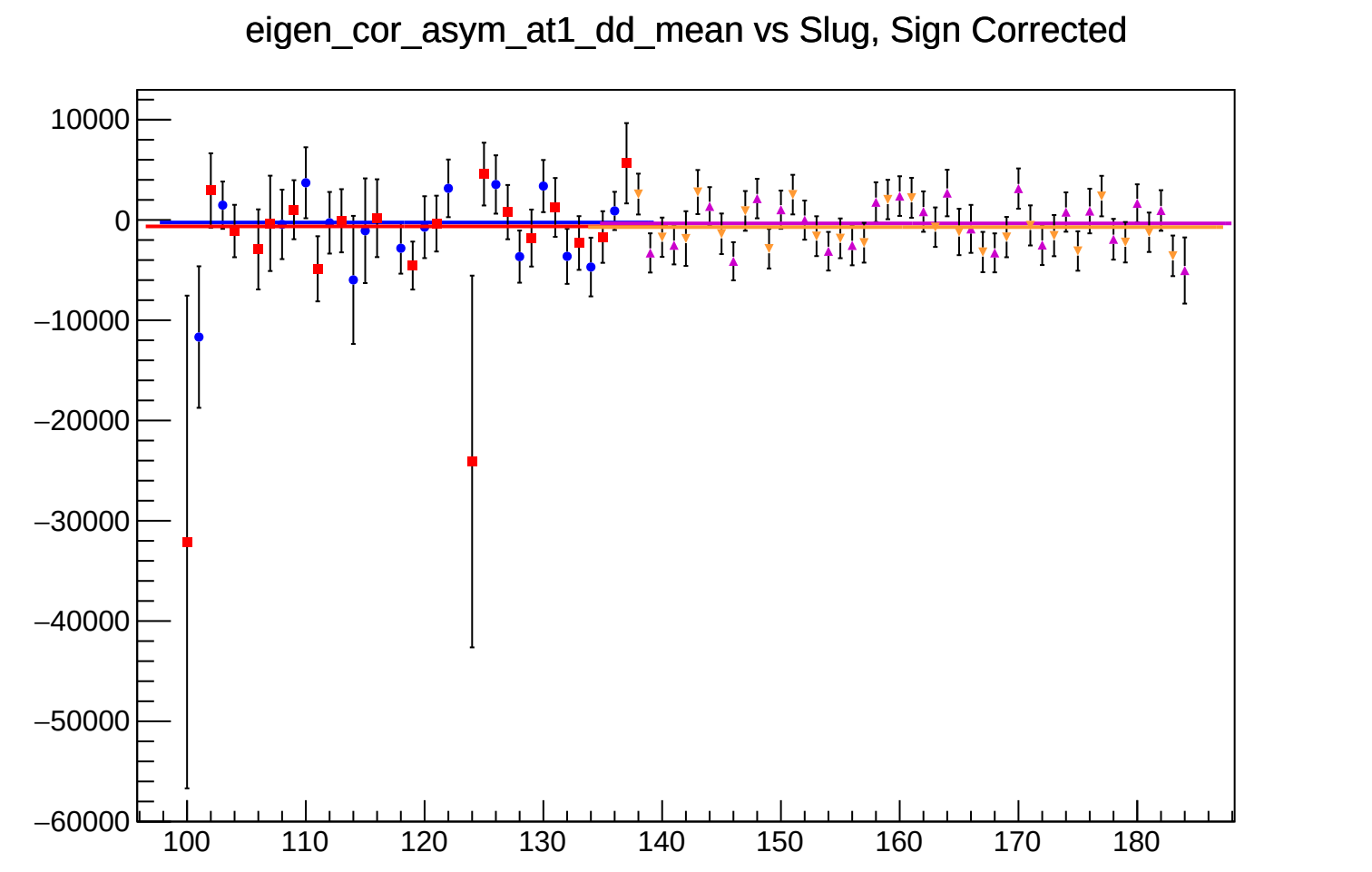
Left: 420.454+/-0.049 χ^2/NDF: 1144686.5/46

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 447.885+/-0.065 χ^2/NDF:3701966.4/38

Out: 443.516+/-0.064 χ^2/NDF:4508266.6/42

All: 445.665+/-0.046 χ^2/NDF: 8212502.7/81



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: -342.989+/-422.712 χ^2/NDF:30.1/22

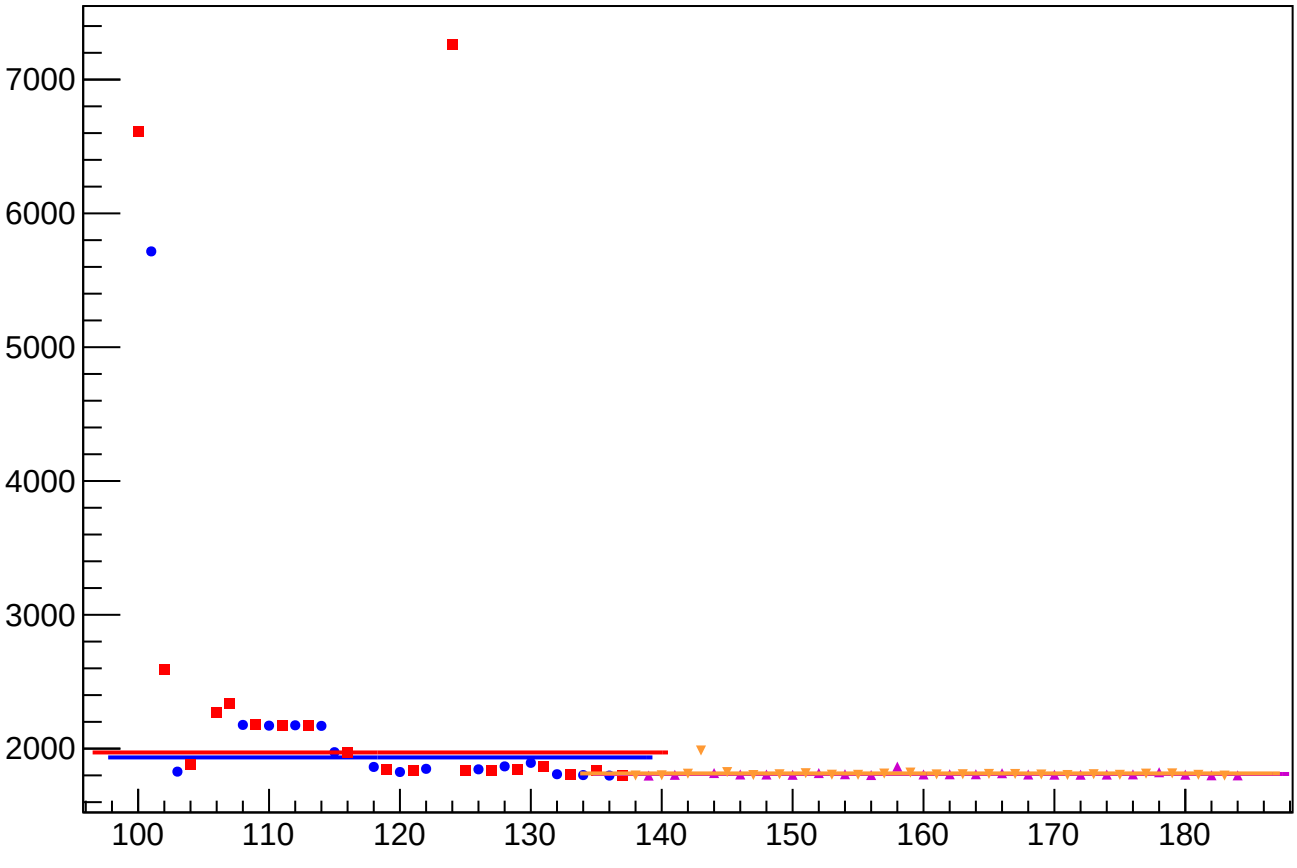
Left: -531.611+/-296.154 χ^2/NDF: 54.4/46

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -320.003+/-366.447 χ^2/NDF:47.3/38

Out: -695.958+/-361.587 χ^2/NDF:39.9/42

All: -510.490+/-257.382 χ^2/NDF: 87.8/81



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: 1810.457+/-0.299 χ^2/NDF:1967.2/22

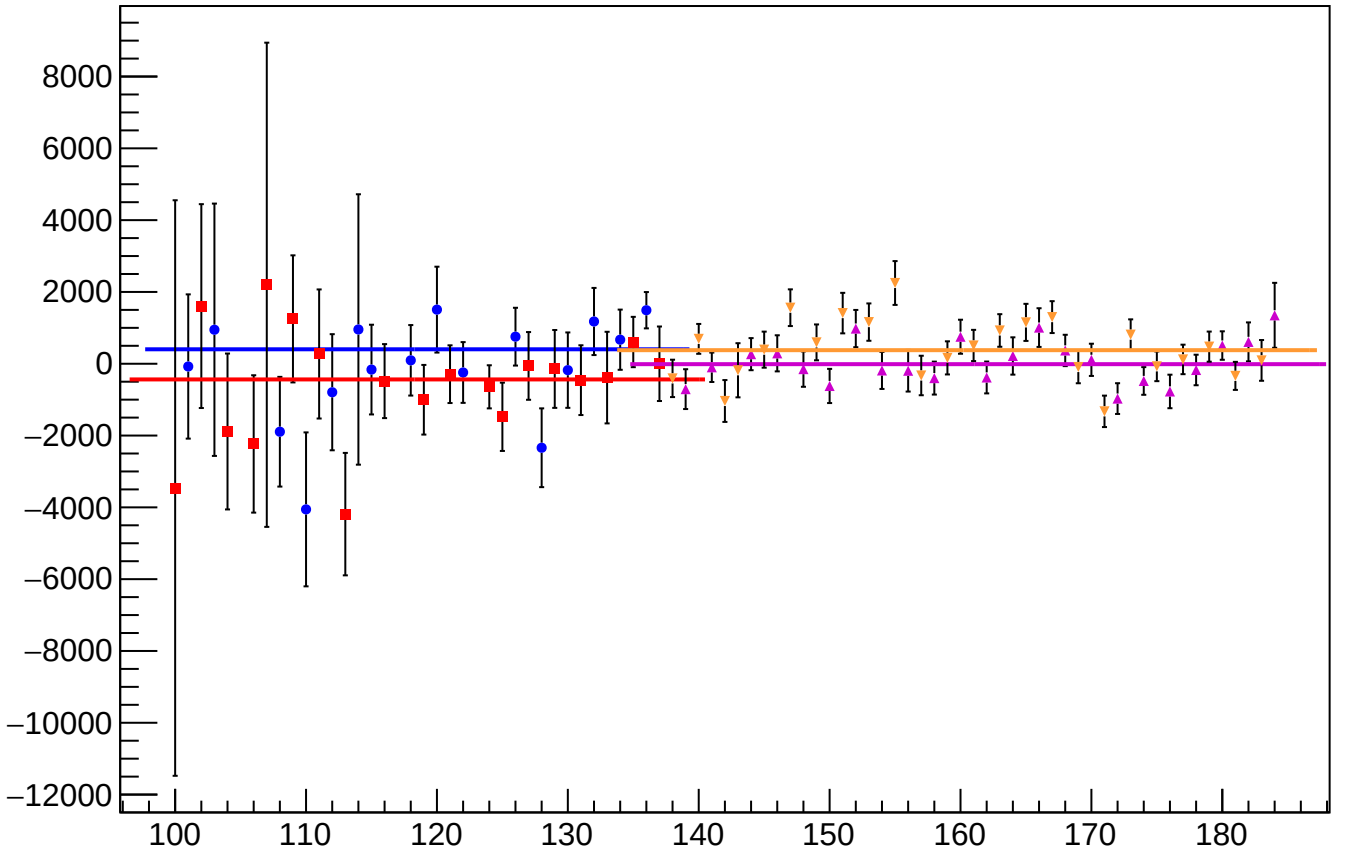
Left: 1812.594+/-0.209 χ^2/NDF: 15128.7/46

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1841.211+/-0.259 χ^2/NDF:684487.2/38

Out: 1852.420+/-0.256 χ^2/NDF:464948.1/42

All: 1846.890+/-0.182 χ^2/NDF: 1150383.5/81



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: -11.539+/-98.975 χ^2/NDF:31.1/22

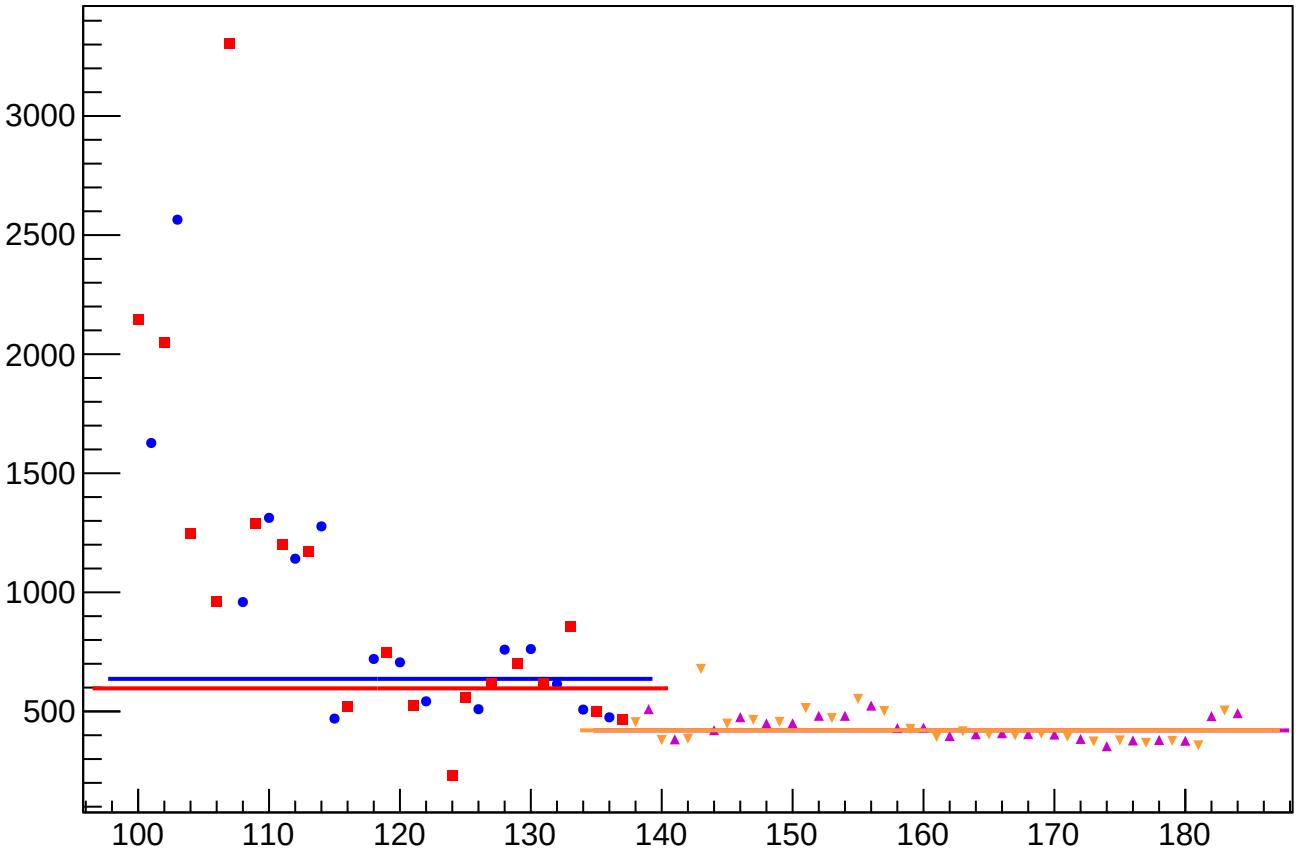
Left: 186.204+/-69.458 χ^2/NDF: 101.3/46

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 41.401+/-92.434 χ^2/NDF:54.5/38

Out: 272.497+/-90.962 χ^2/NDF:83.7/42

All: 158.804+/-64.834 χ^2/NDF: 141.4/81



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: 420.218+/-0.070 χ^2/NDF:413172.4/22

Left: 420.454+/-0.049 χ^2/NDF: 1144686.5/46

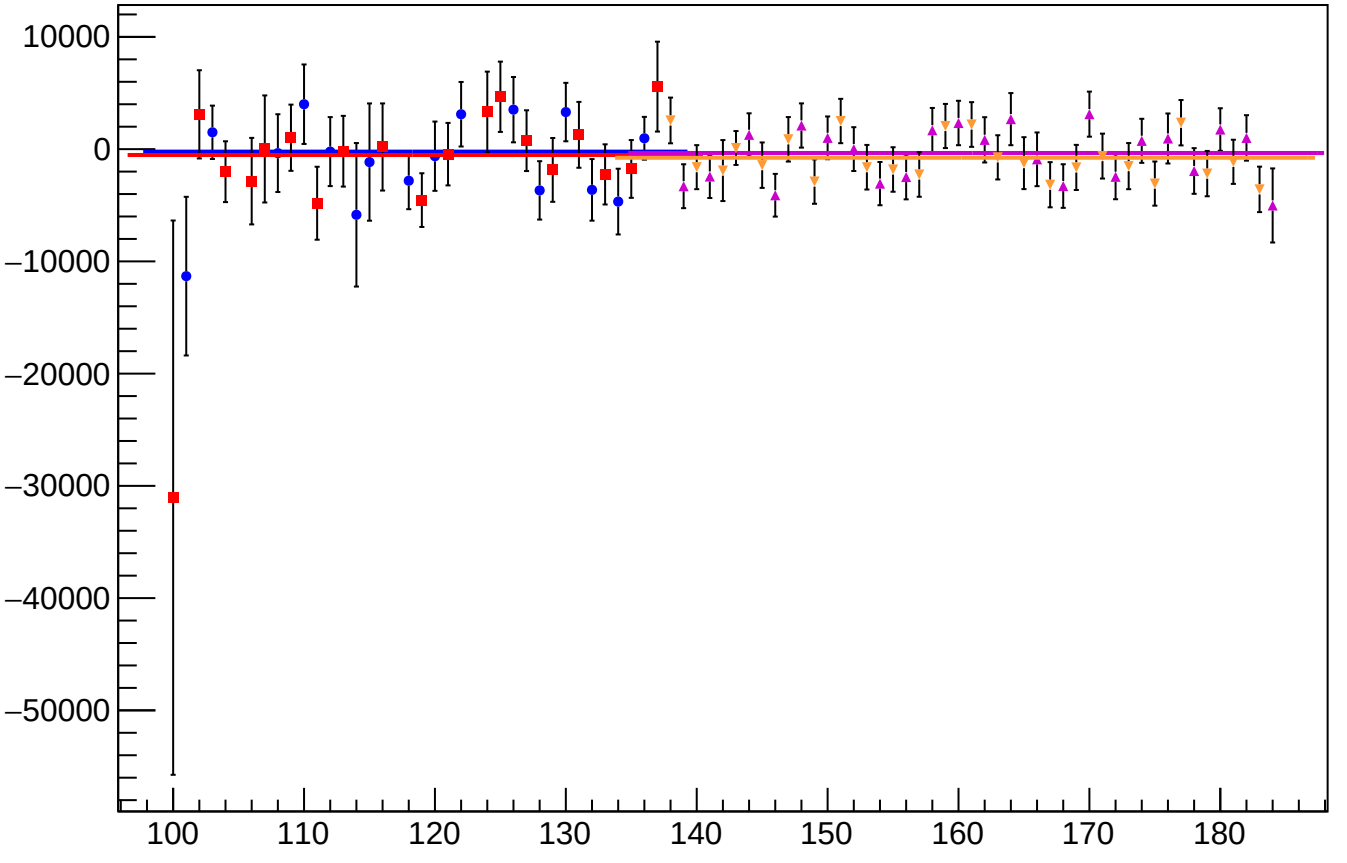
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 447.885+/-0.065 χ^2/NDF:3701966.4/38

Out: 443.516+/-0.064 χ^2/NDF:4508266.6/42

All: 445.665+/-0.046 χ^2/NDF: 8212502.7/81

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: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -562.574+/-293.273 χ^2/NDF: 51.5/46

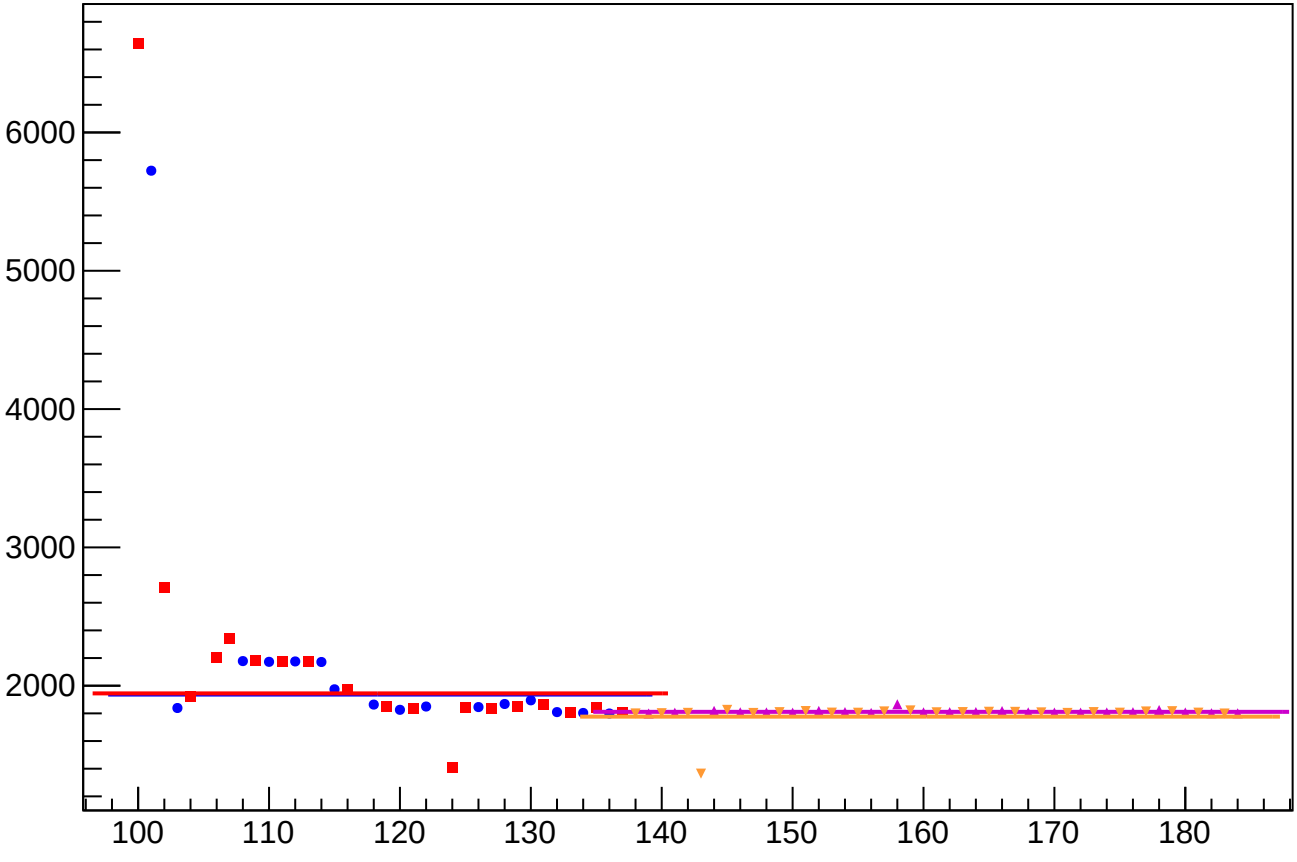
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -311.230+/-366.638 χ^2/NDF:46.7/38

Out: -708.405+/-354.961 χ^2/NDF:37.1/42

All: -516.243+/-255.023 χ^2/NDF: 84.4/81

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: 1811.084+/-0.299 χ^2/NDF:1965.1/22

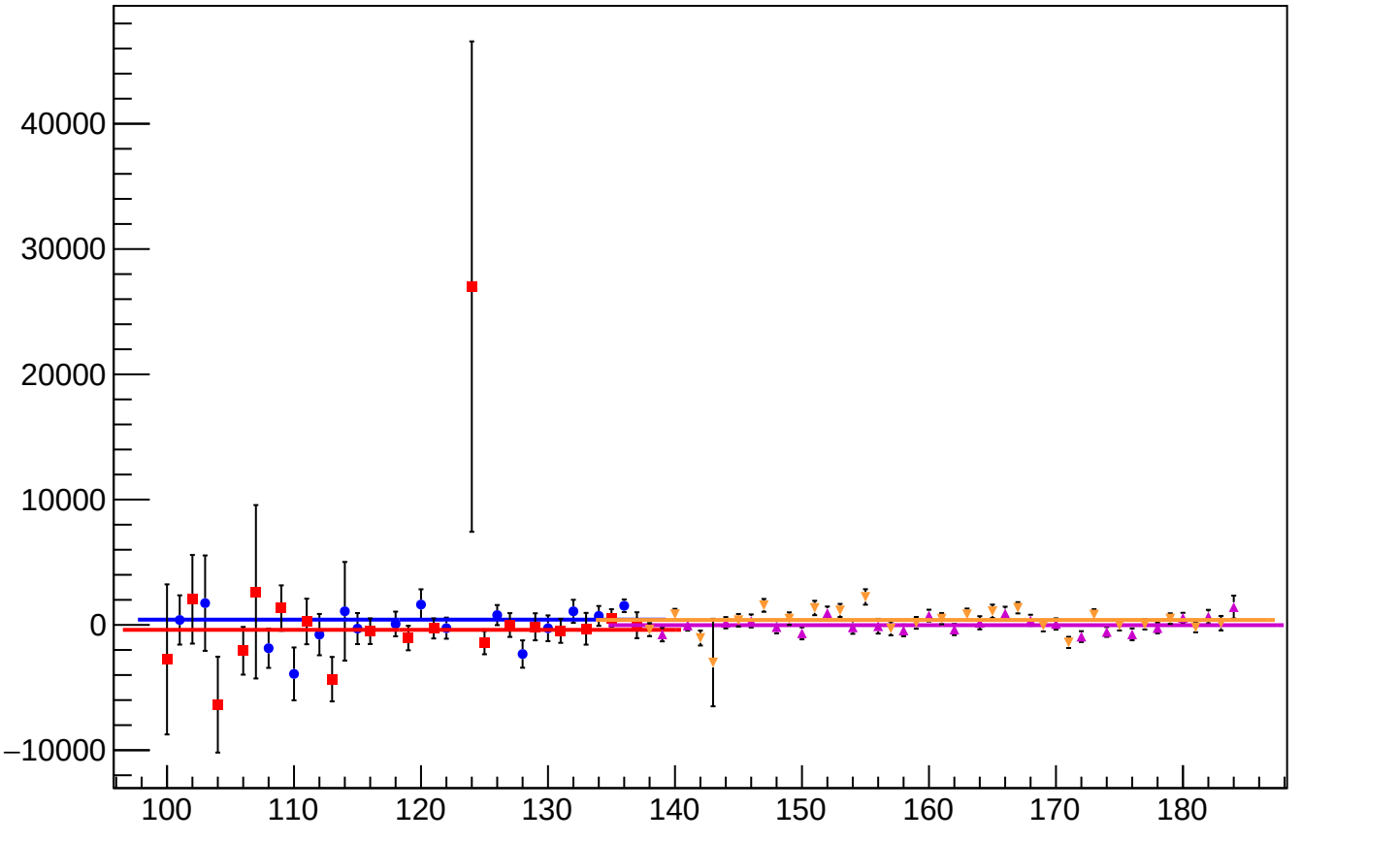
Left: 1793.093+/-0.207 χ^2/NDF: 170151.2/46

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1842.085+/-0.259 χ^2/NDF:685079.6/38

Out: 1816.710+/-0.251 χ^2/NDF:519160.8/42

All: 1828.987+/-0.180 χ^2/NDF: 1209185.2/81



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: -21.453+/-100.264 χ^2/NDF:30.8/22

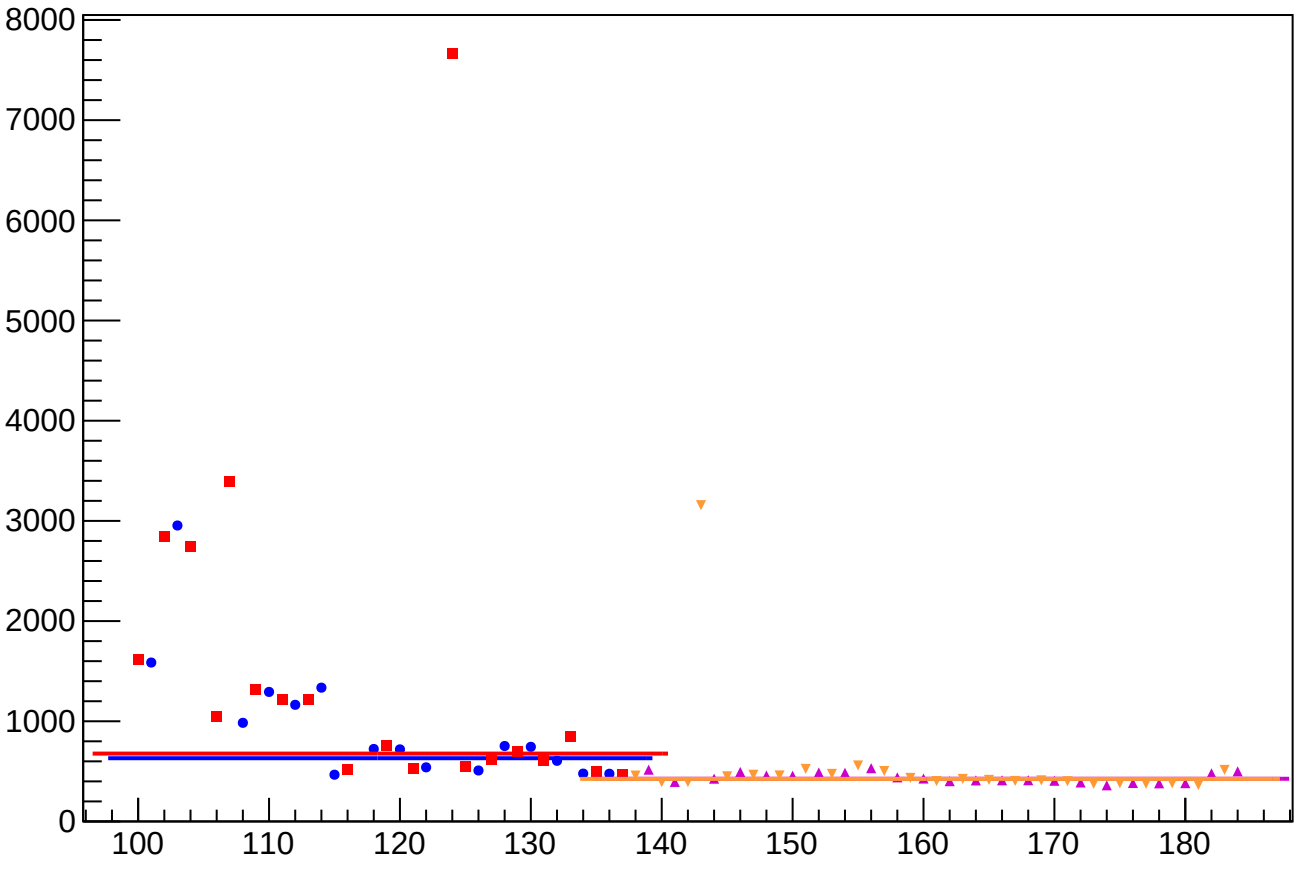
Left: 188.832+/-70.672 χ^2/NDF: 100.1/46

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 37.112+/-93.395 χ^2/NDF:54.9/38

Out: 307.429+/-93.848 χ^2/NDF:83.4/42

All: 171.618+/-66.200 χ^2/NDF: 142.5/81



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: 426.144+/-0.071 χ^2/NDF:415411.7/22

Left: 425.460+/-0.050 χ^2/NDF: 2115723.9/46

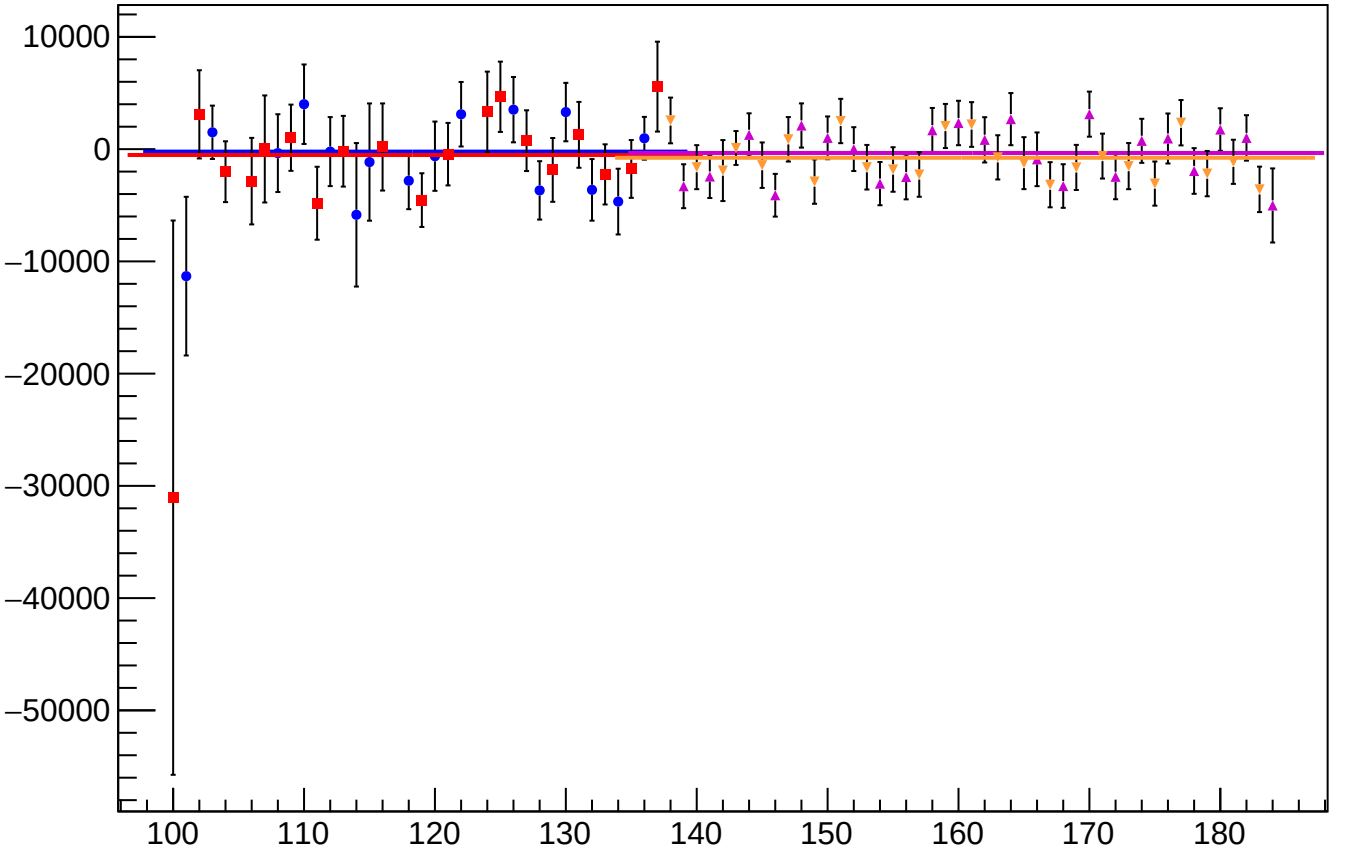
Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 453.270+/-0.066 χ^2/NDF:3756154.5/38

Out: 453.257+/-0.066 χ^2/NDF:6231121.5/42

All: 453.263+/-0.047 χ^2/NDF: 9987276.0/81

eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected



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: -341.223+/-422.858 χ^2/NDF:29.6/22

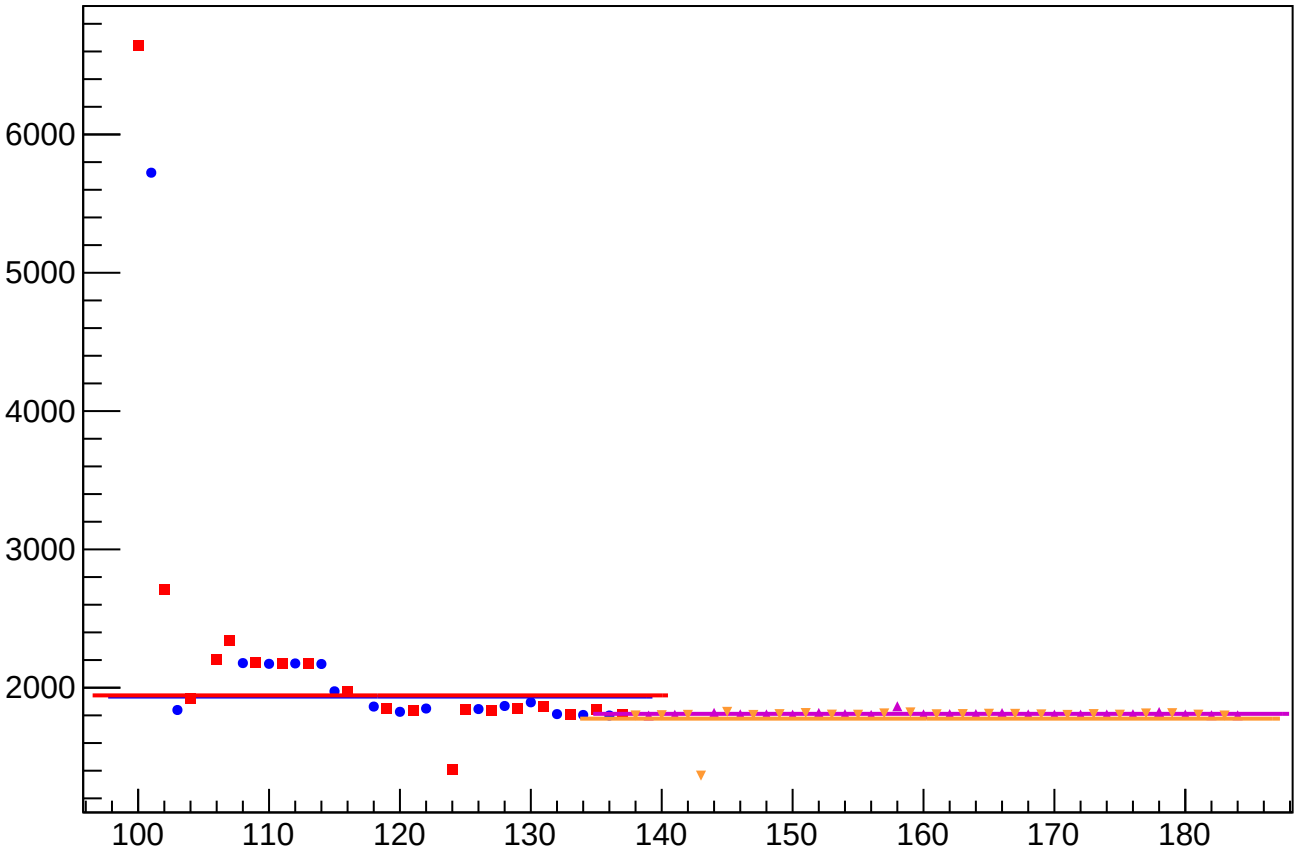
Left: -562.574+/-293.273 χ^2/NDF: 51.5/46

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -311.230+/-366.638 χ^2/NDF:46.7/38

Out: -708.406+/-354.961 χ^2/NDF:37.1/42

All: -516.243+/-255.023 χ^2/NDF: 84.4/81



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: 1811.084+/-0.299 χ^2/NDF:1965.1/22

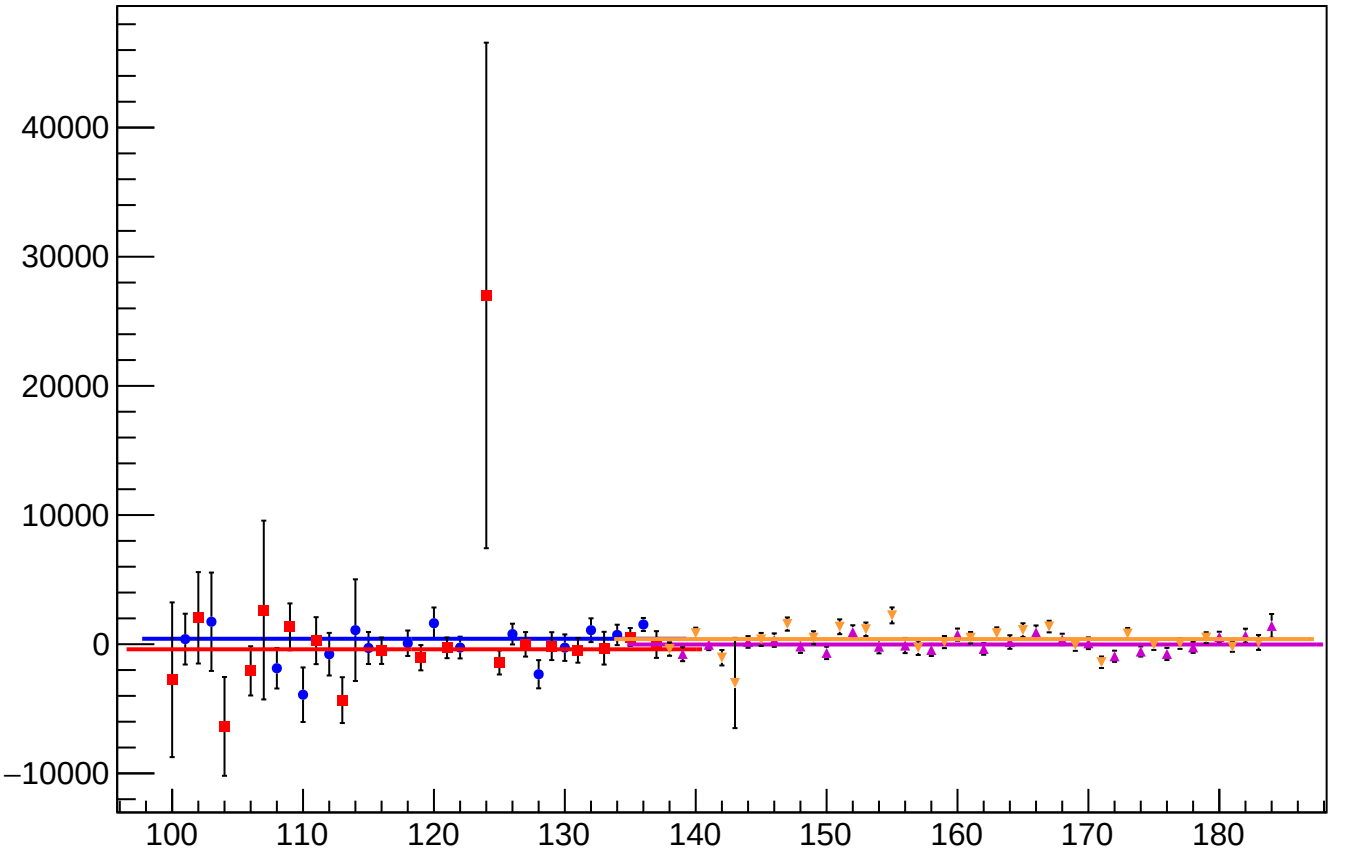
Left: 1793.093+/-0.207 χ^2/NDF: 170151.2/46

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1842.085+/-0.259 χ^2/NDF:685079.6/38

Out: 1816.710+/-0.251 χ^2/NDF:519160.5/42

All: 1828.987+/-0.180 χ^2/NDF: 1209185.0/81



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: -21.452+/-100.264 χ^2/NDF:30.8/22

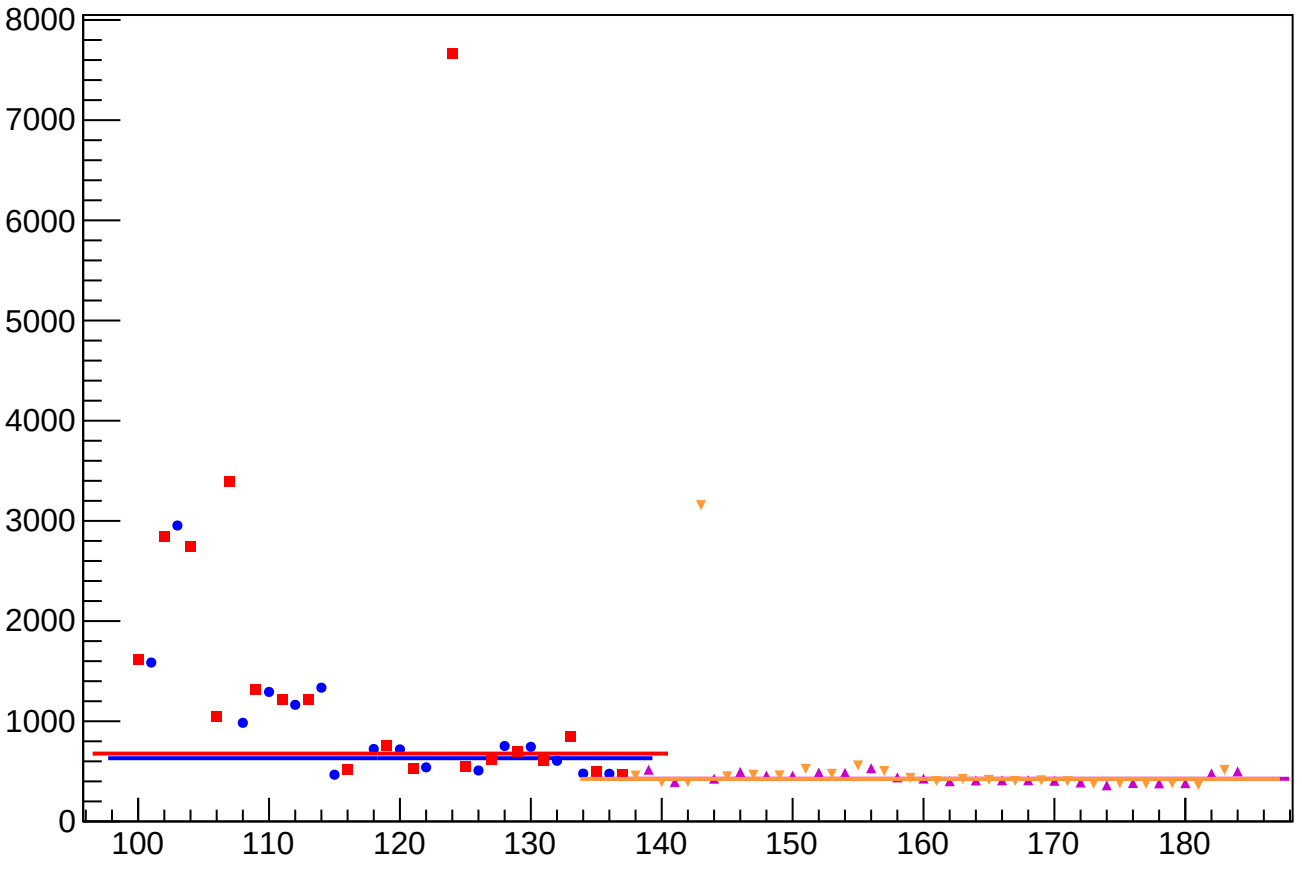
Left: 188.832+/-70.672 χ^2/NDF: 100.1/46

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 37.113+/-93.395 χ^2/NDF:54.9/38

Out: 307.429+/-93.848 χ^2/NDF:83.4/42

All: 171.618+/-66.200 χ^2/NDF: 142.5/81



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: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.460+/-0.050 χ^2/NDF: 2115729.9/46

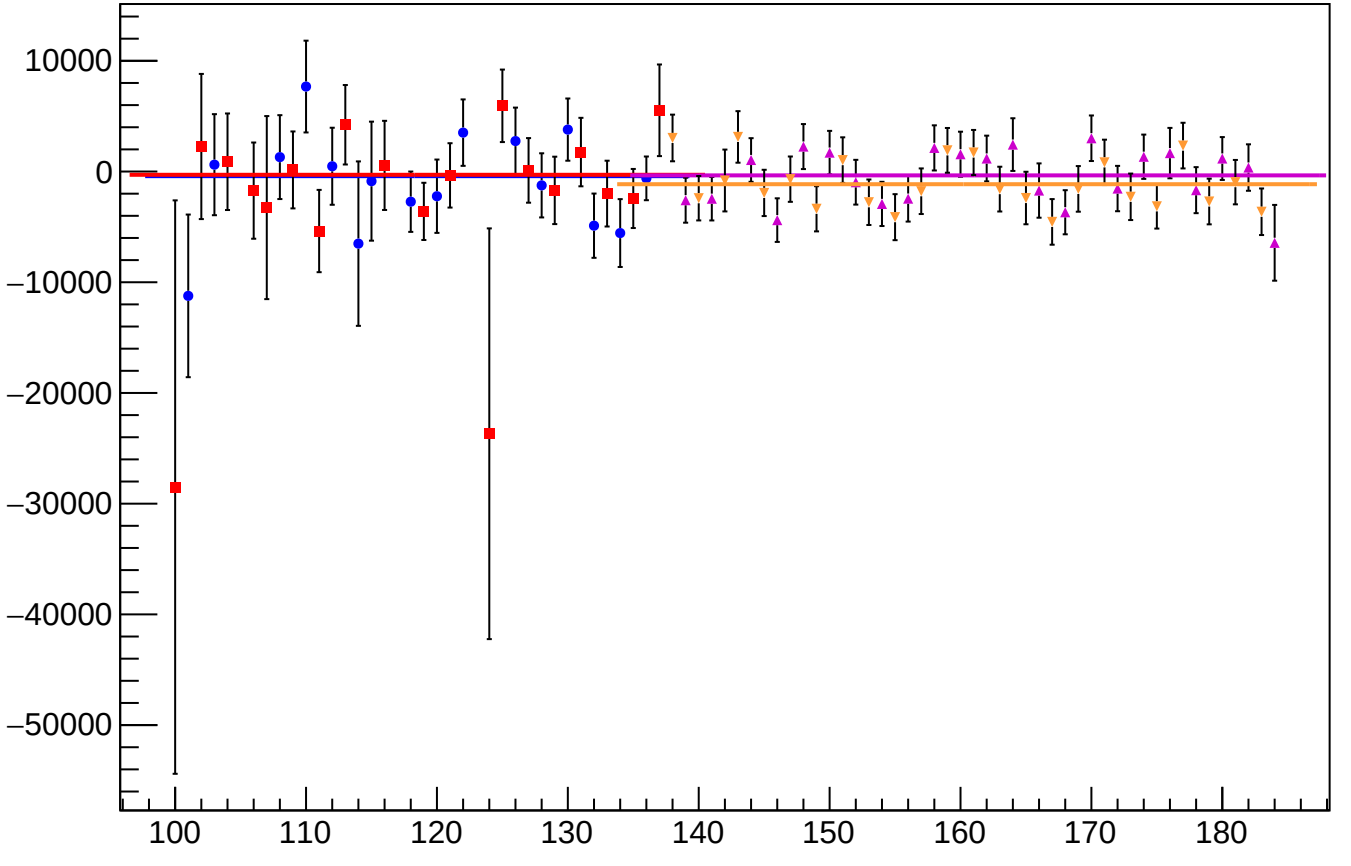
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 453.269+/-0.066 χ^2/NDF:3756157.4/38

Out: 453.256+/-0.066 χ^2/NDF:6231126.3/42

All: 453.263+/-0.047 χ^2/NDF: 9987283.7/81

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: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -752.733+/-304.897 χ^2/NDF: 57.9/46

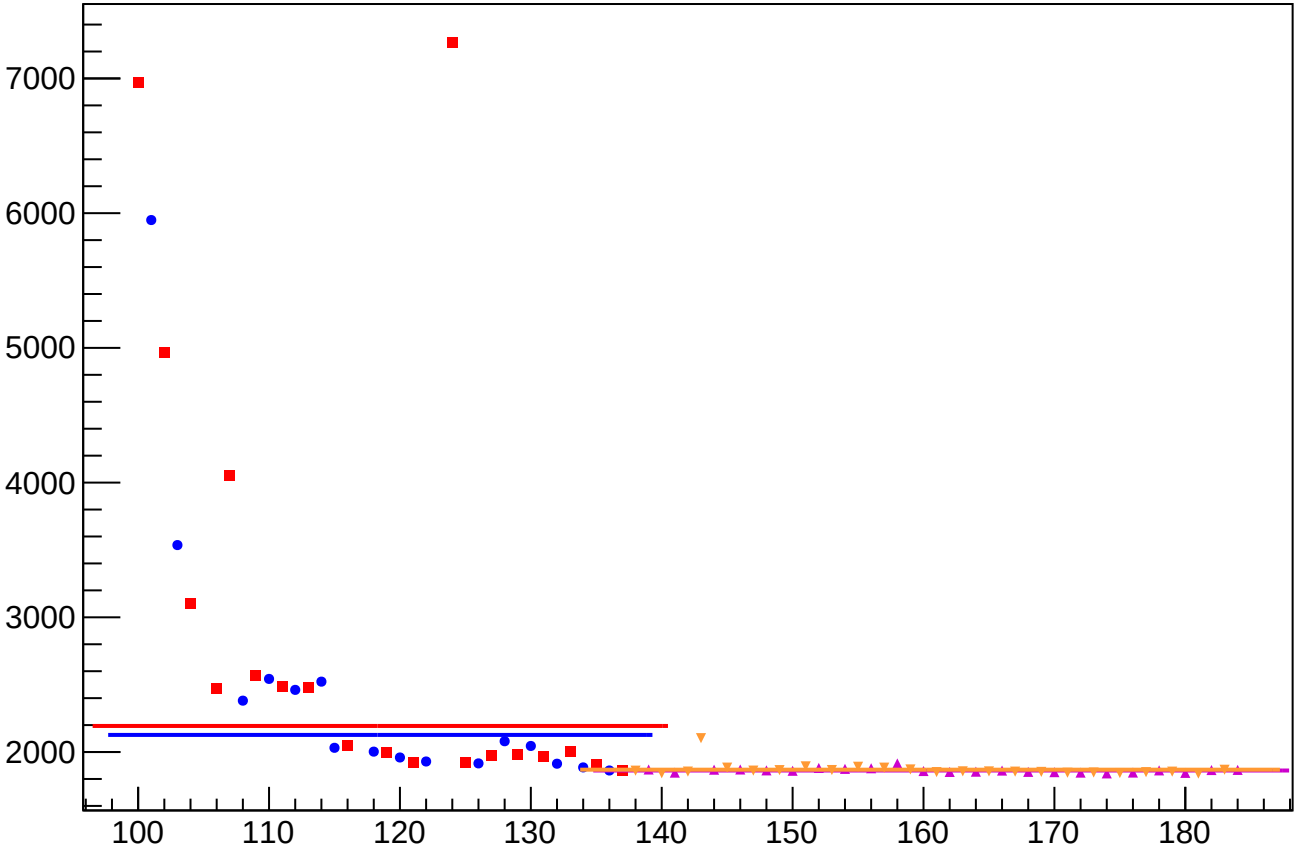
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -362.603+/-383.760 χ^2/NDF:47.1/38

Out: -967.057+/-380.224 χ^2/NDF:43.9/42

All: -667.628+/-270.101 χ^2/NDF: 92.2/81

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: 1862.828+/-0.308 χ^2/NDF:2714.5/22

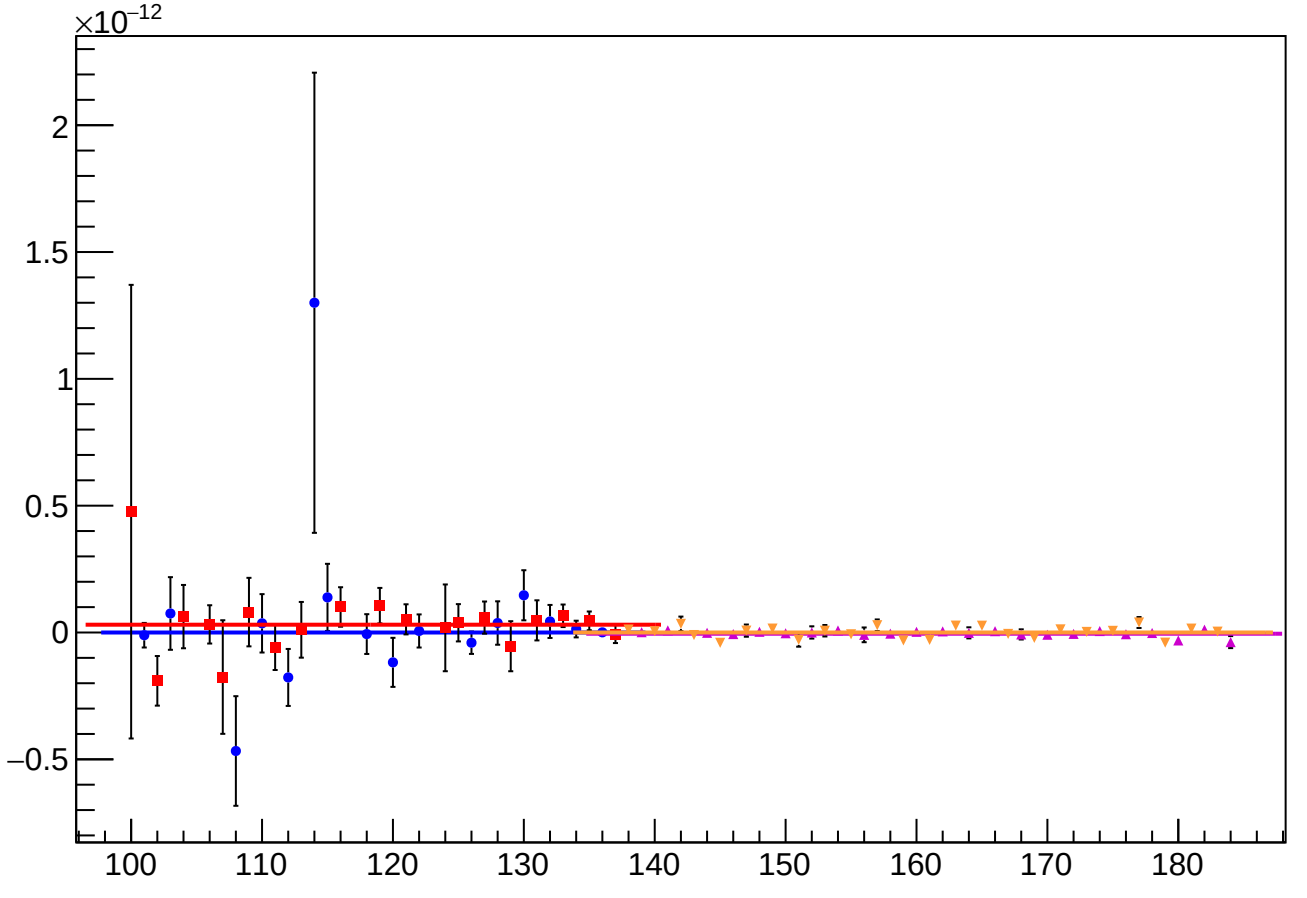
Left: 1865.953+/-0.216 χ^2/NDF: 26231.4/46

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1921.357+/-0.271 χ^2/NDF:1041277.5/38

Out: 1936.826+/-0.269 χ^2/NDF:1206890.5/42

All: 1929.163+/-0.191 χ^2/NDF: 2249807.9/81



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:17.3/22

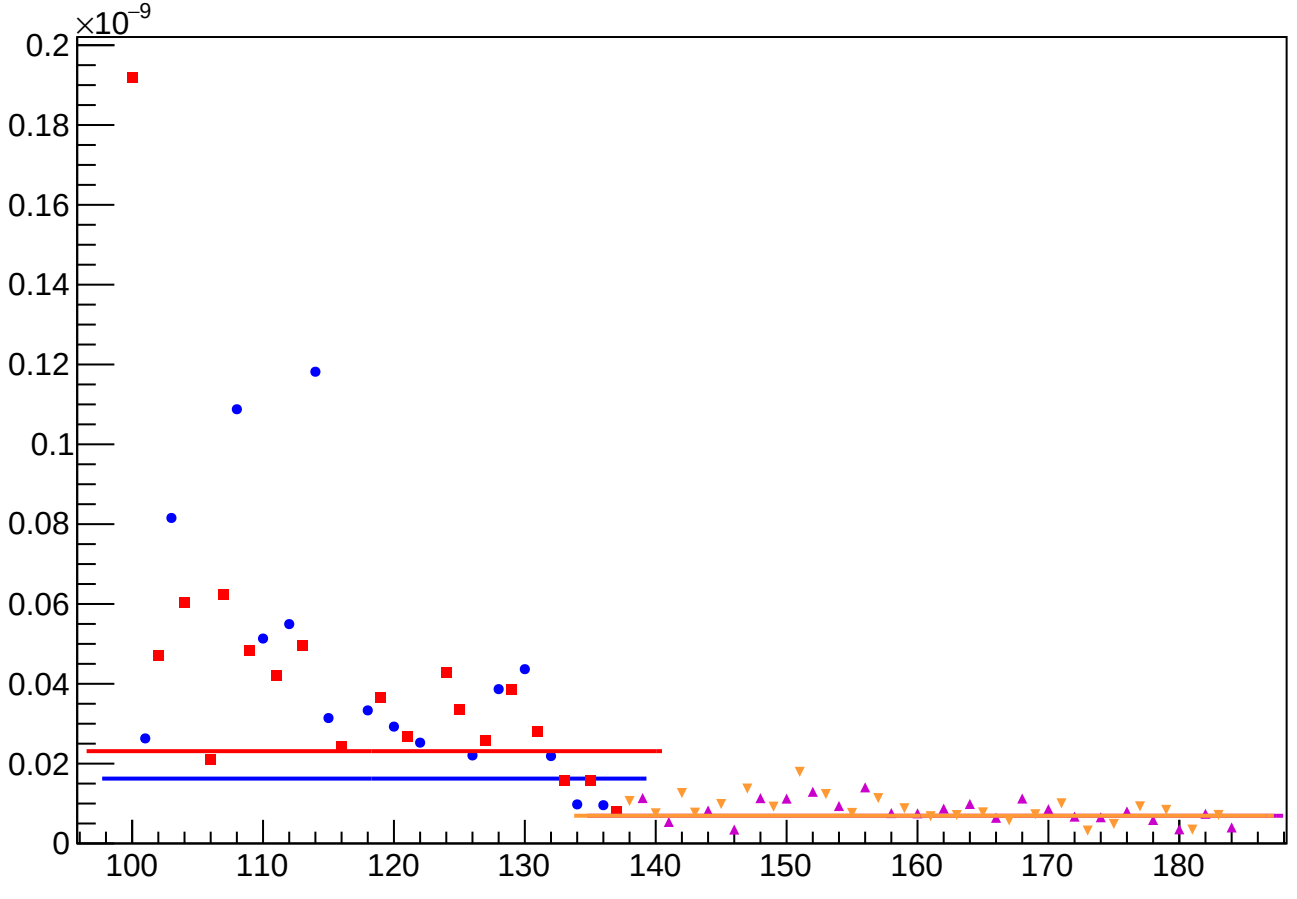
Left: -0.000+/-0.000 χ^2/NDF: 59.7/46

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:33.6/38

Out: 0.000+/-0.000 χ^2/NDF:57.1/42

All: -0.000+/-0.000 χ^2/NDF: 92.5/81



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:1477997.8/22

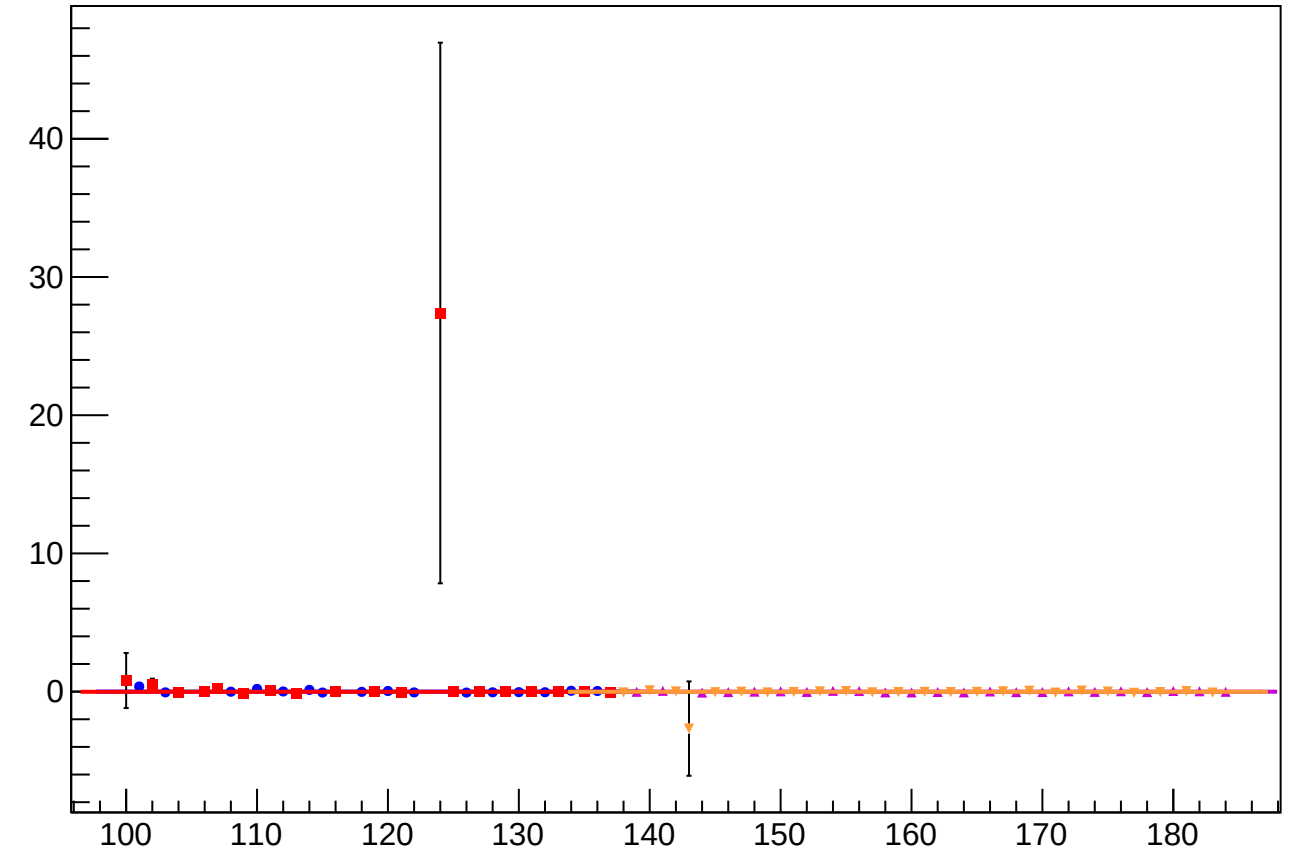
Left: 0.000+/-0.000 χ^2/NDF: 3284609.6/46

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4922290.8/38

Out: 0.000+/-0.000 χ^2/NDF:5262421.4/42

All: 0.000+/-0.000 χ^2/NDF: 10184718.4/81



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: -0.004+/-0.008 χ^2/NDF:20.8/22

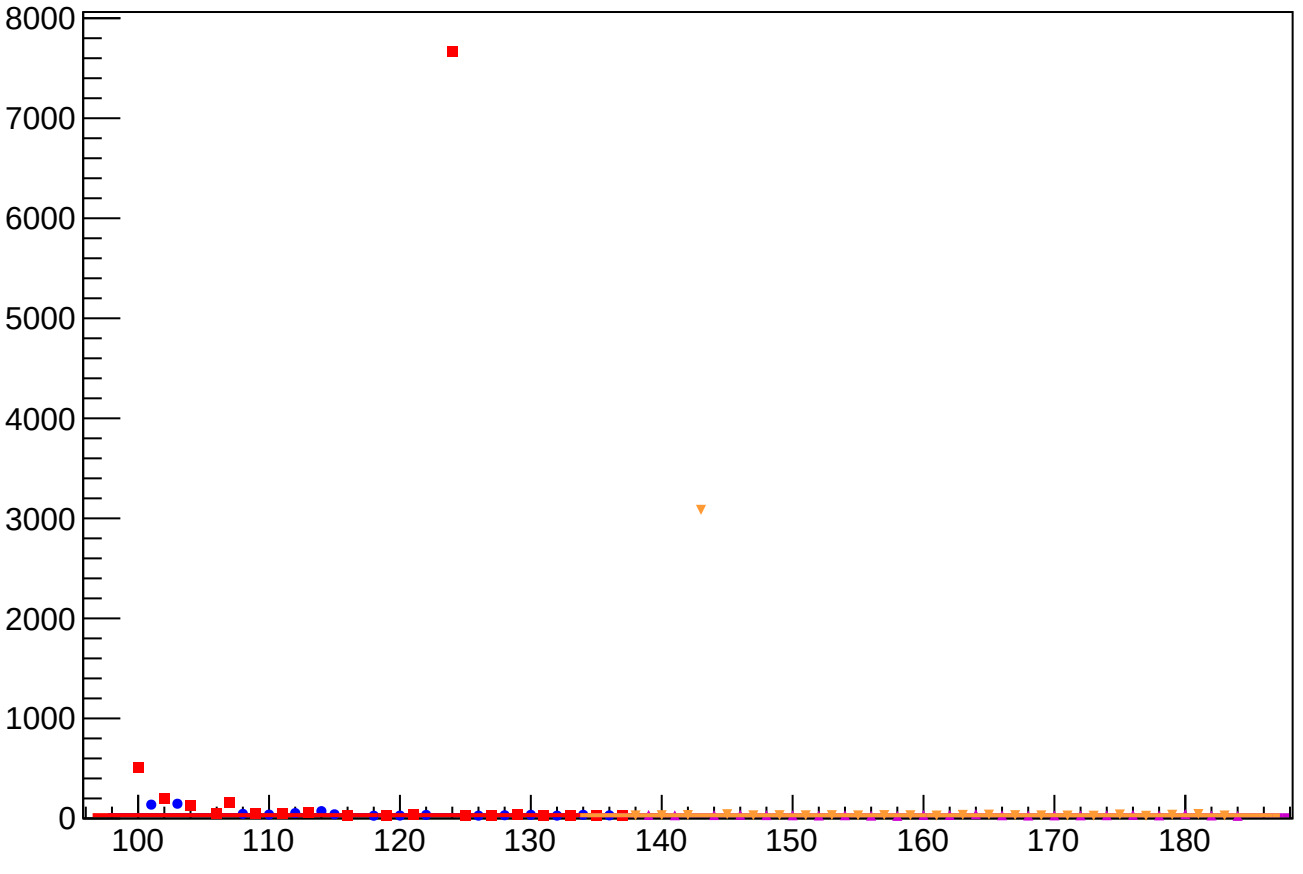
Left: -0.007+/-0.006 χ^2/NDF: 60.1/46

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.007 χ^2/NDF:42.0/38

Out: -0.011+/-0.007 χ^2/NDF:53.2/42

All: -0.006+/-0.005 χ^2/NDF: 95.8/81



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: 32.421+/-0.006 χ^2/NDF:426084.8/22

Left: 32.289+/-0.004 χ^2/NDF: 2483390.1/46

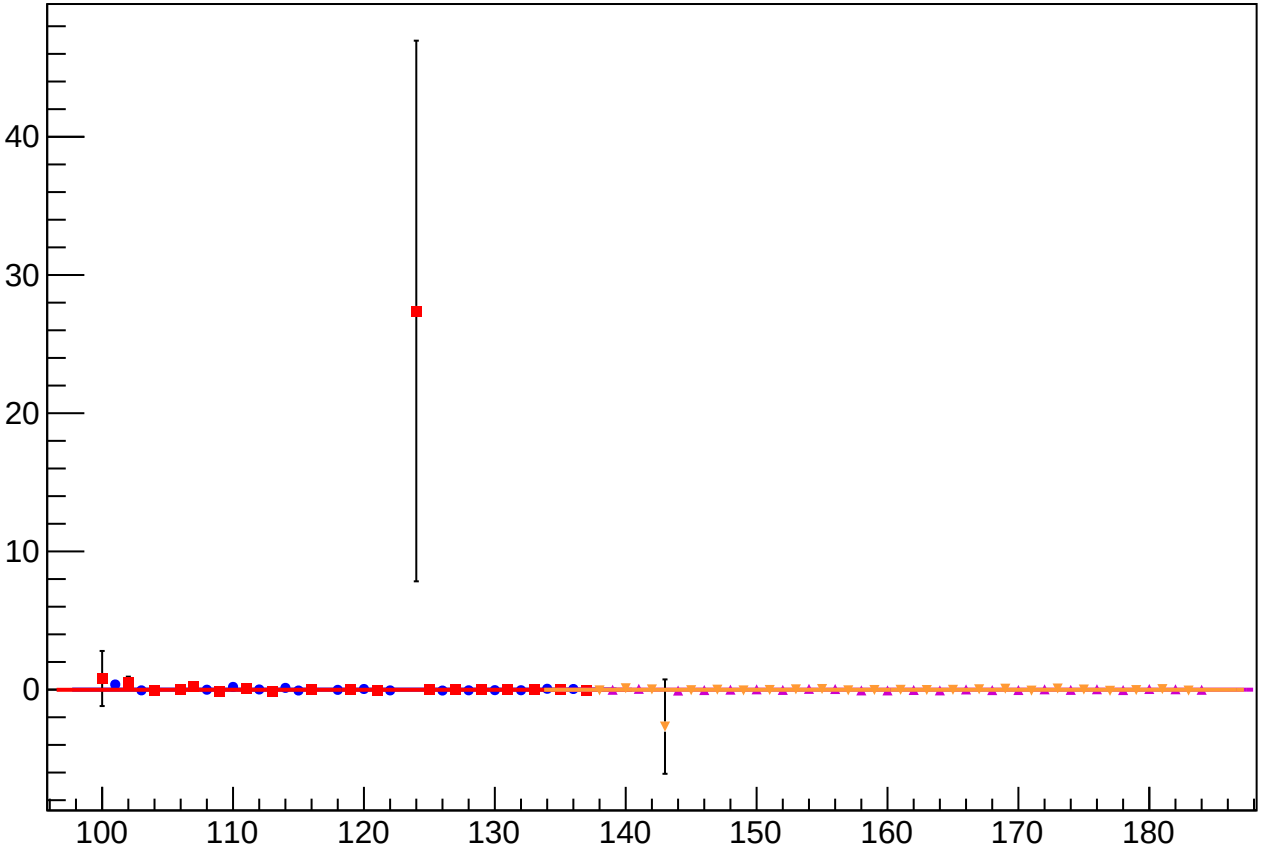
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.813+/-0.005 χ^2/NDF:2161996.4/38

Out: 32.376+/-0.005 χ^2/NDF:4137342.3/42

All: 32.595+/-0.004 χ^2/NDF: 6302996.1/81

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: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.1/46

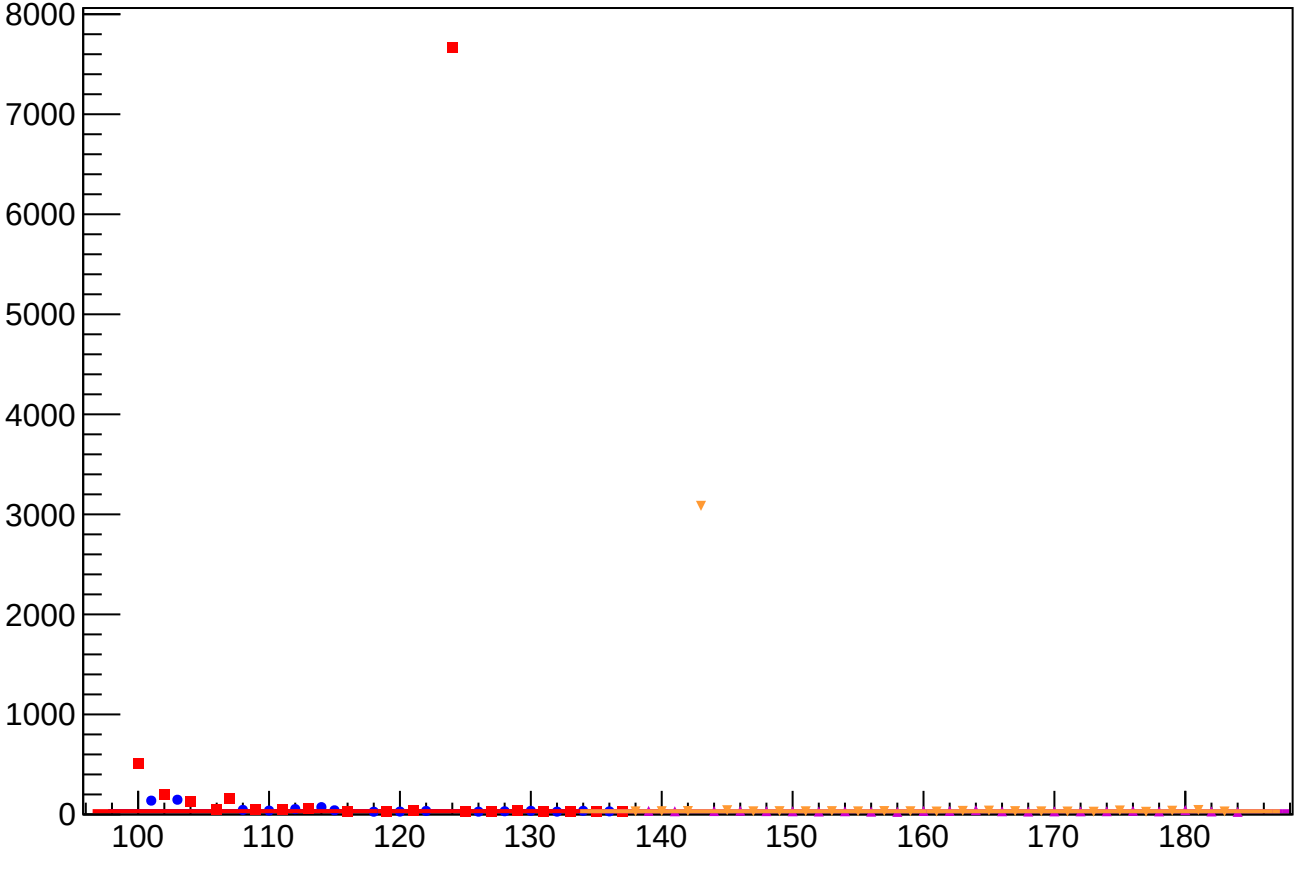
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.007 χ^2/NDF:42.0/38

Out: -0.011+/-0.007 χ^2/NDF:53.2/42

All: -0.006+/-0.005 χ^2/NDF: 95.8/81

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: 32.421+/-0.006 χ^2/NDF:426084.8/22

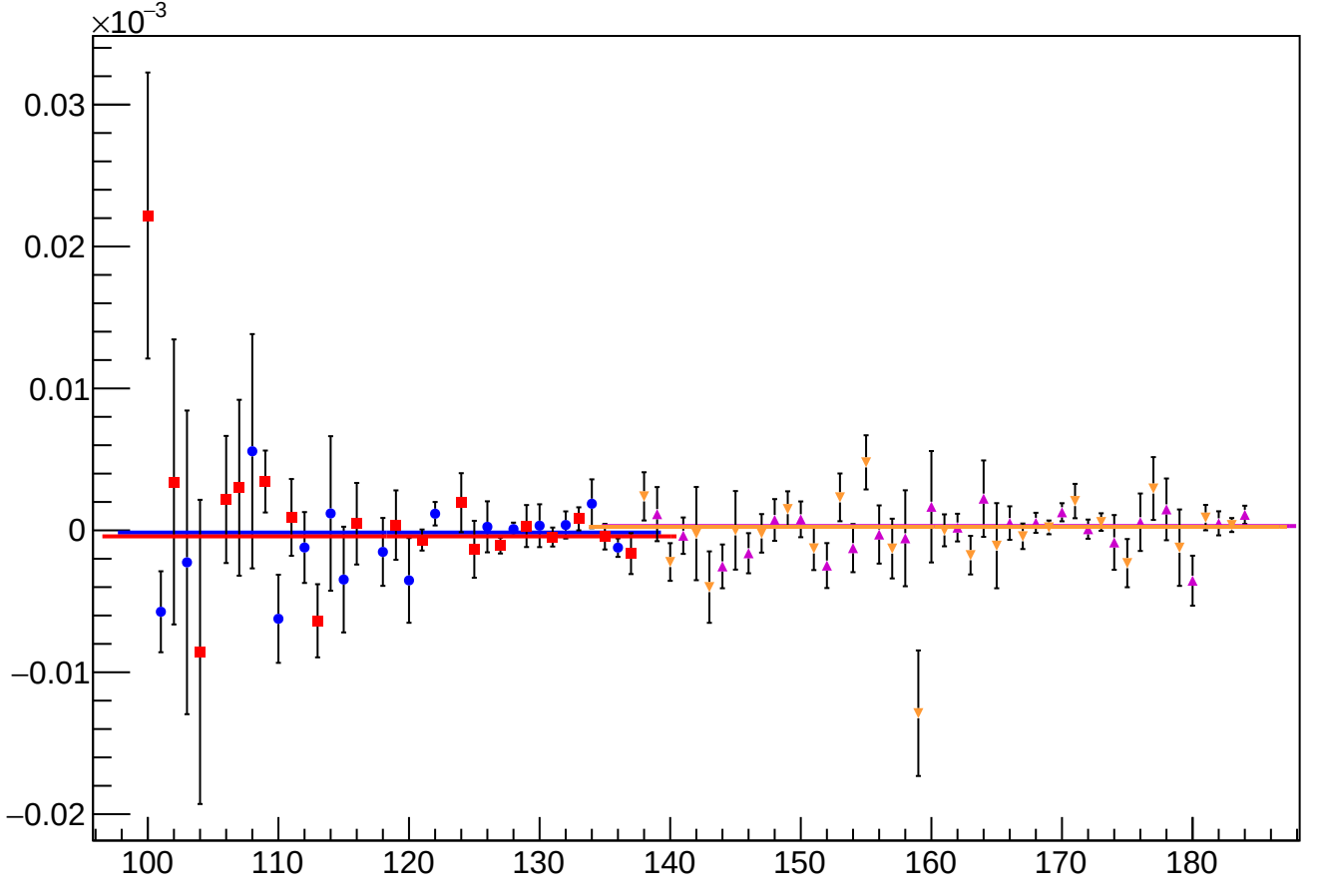
Left: 32.289+/-0.004 χ^2/NDF: 2483390.1/46

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.813+/-0.005 χ^2/NDF:2161996.4/38

Out: 32.376+/-0.005 χ^2/NDF:4137342.3/42

All: 32.595+/-0.004 χ^2/NDF: 6302996.1/81



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:20.2/22

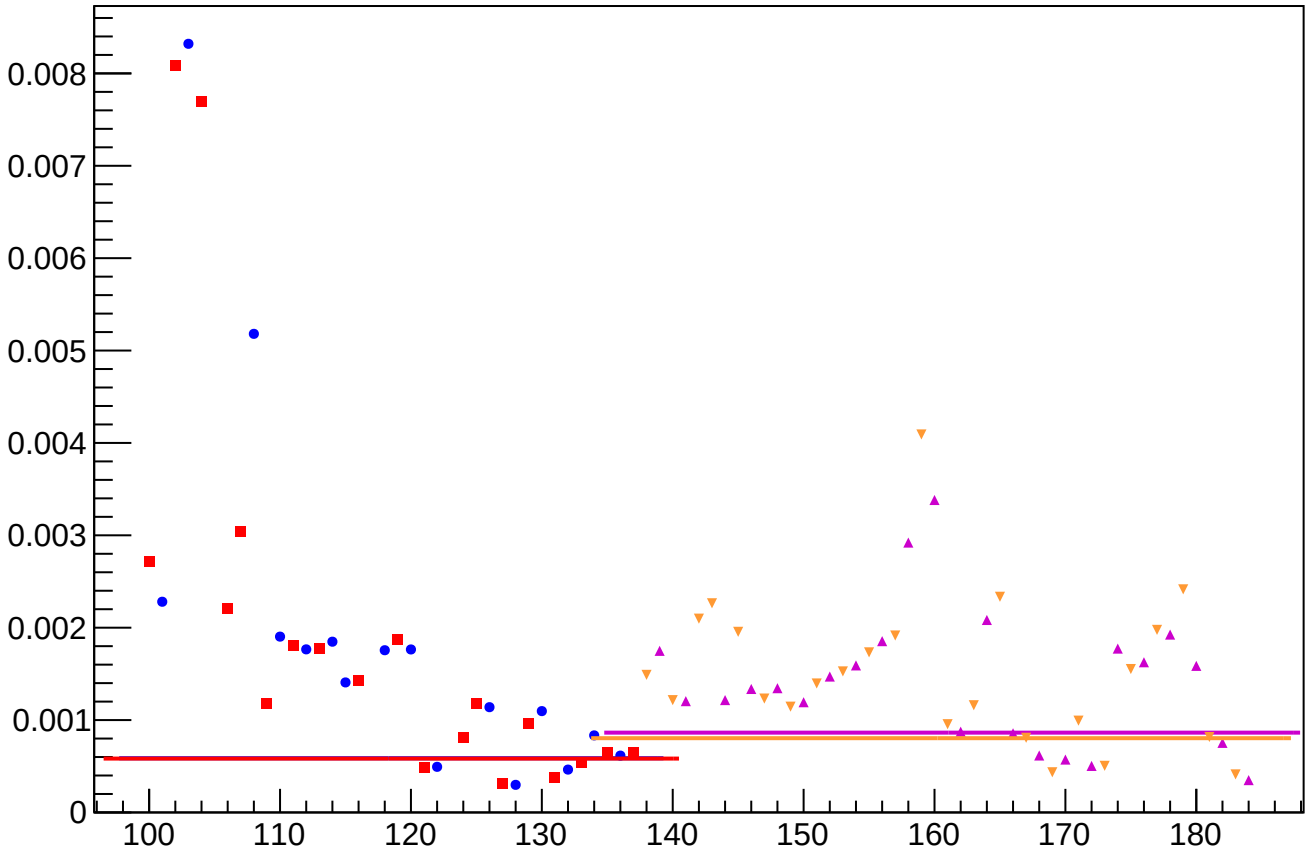
Left: 0.000+/-0.000 χ^2/NDF: 57.0/46

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: 0.000+/-0.000 χ^2/NDF:39.9/38

Out: -0.000+/-0.000 χ^2/NDF:61.8/42

All: 0.000+/-0.000 χ^2/NDF: 101.9/81



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:8440059.8/22

Left: 0.001+/-0.000 χ^2/NDF: 18809183.1/46

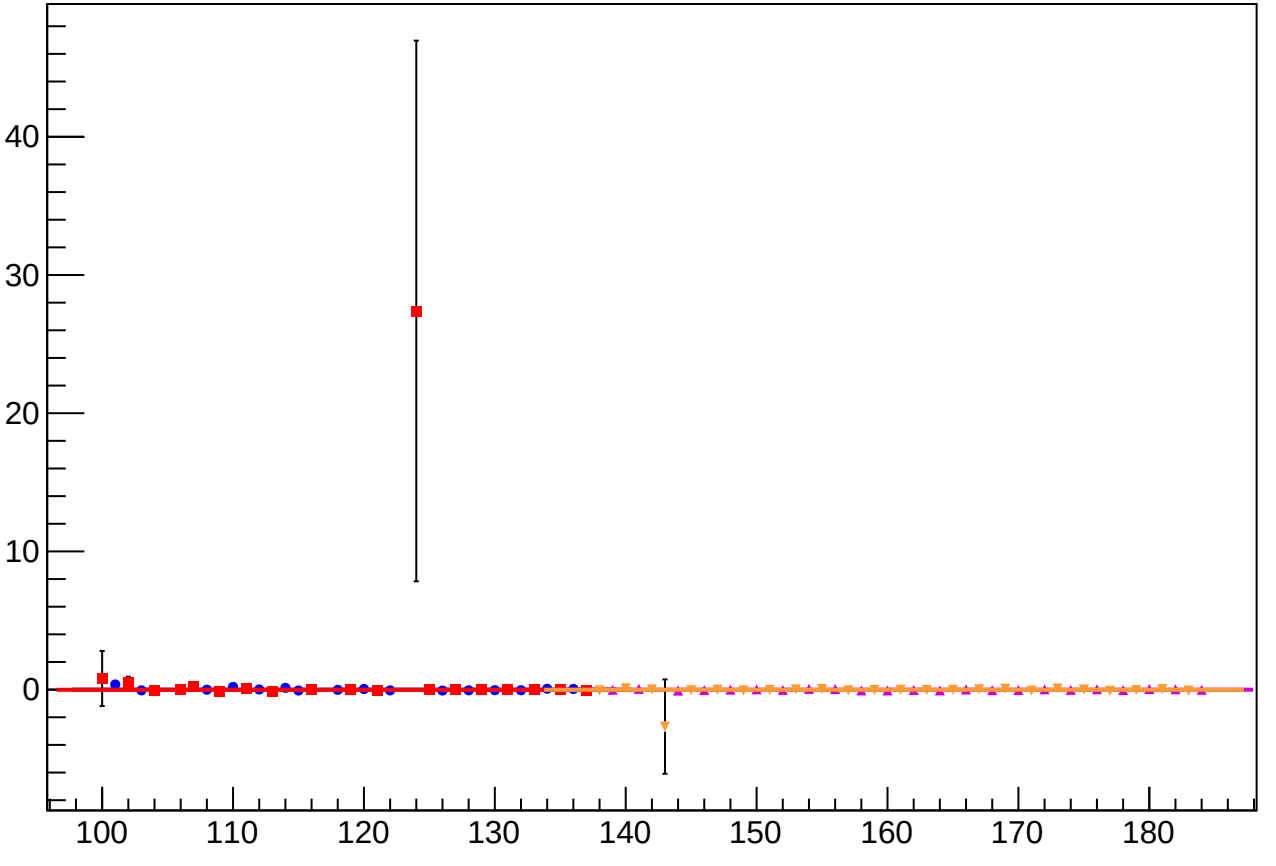
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:14997218.4/38

Out: 0.001+/-0.000 χ^2/NDF:16477703.0/42

All: 0.001+/-0.000 χ^2/NDF: 31508853.2/81

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: -0.004+/-0.008 χ^2/NDF:20.8/22

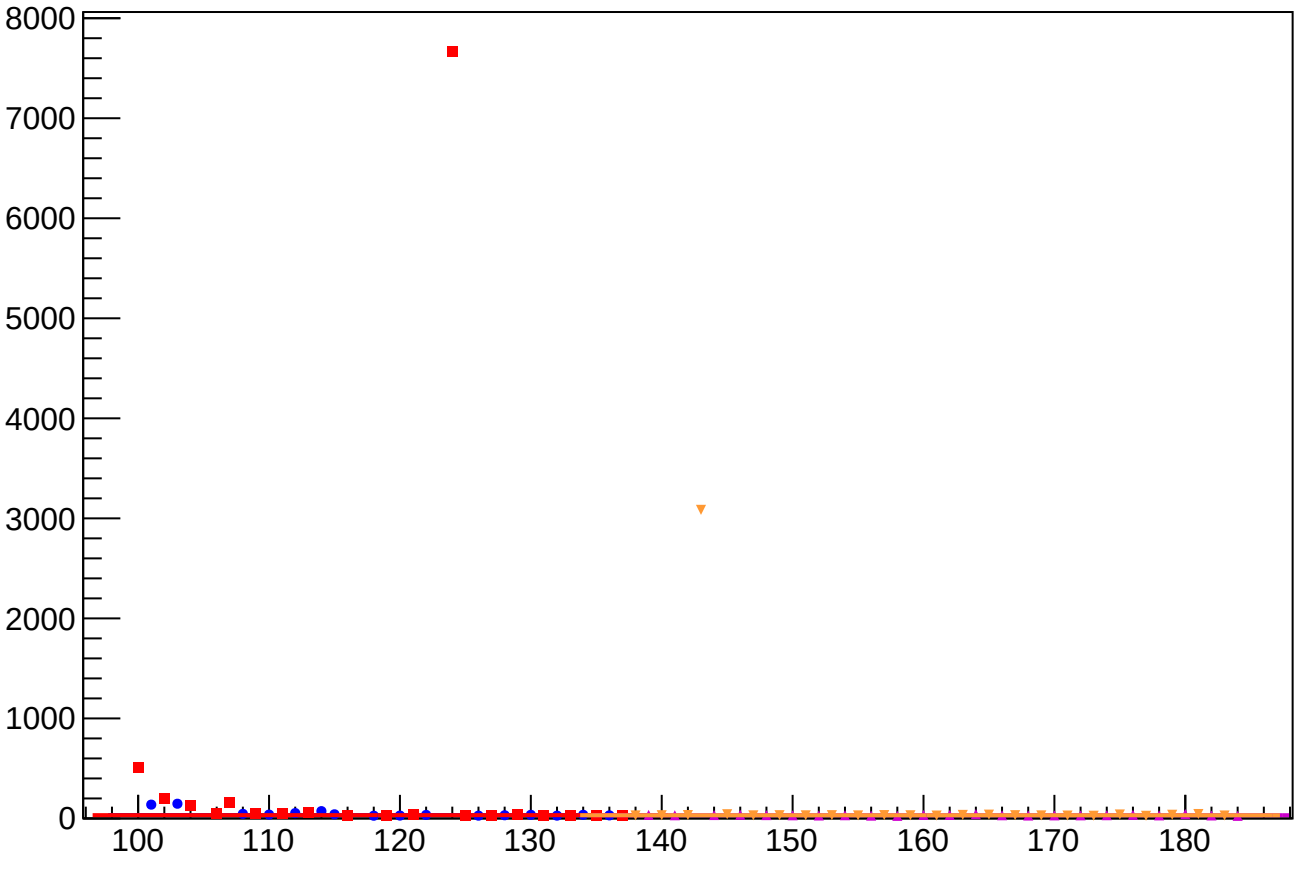
Left: -0.007+/-0.006 χ^2/NDF: 60.1/46

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.007 χ^2/NDF:42.0/38

Out: -0.011+/-0.007 χ^2/NDF:53.2/42

All: -0.006+/-0.005 χ^2/NDF: 95.8/81



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: 32.422+/-0.006 χ^2/NDF:426001.5/22

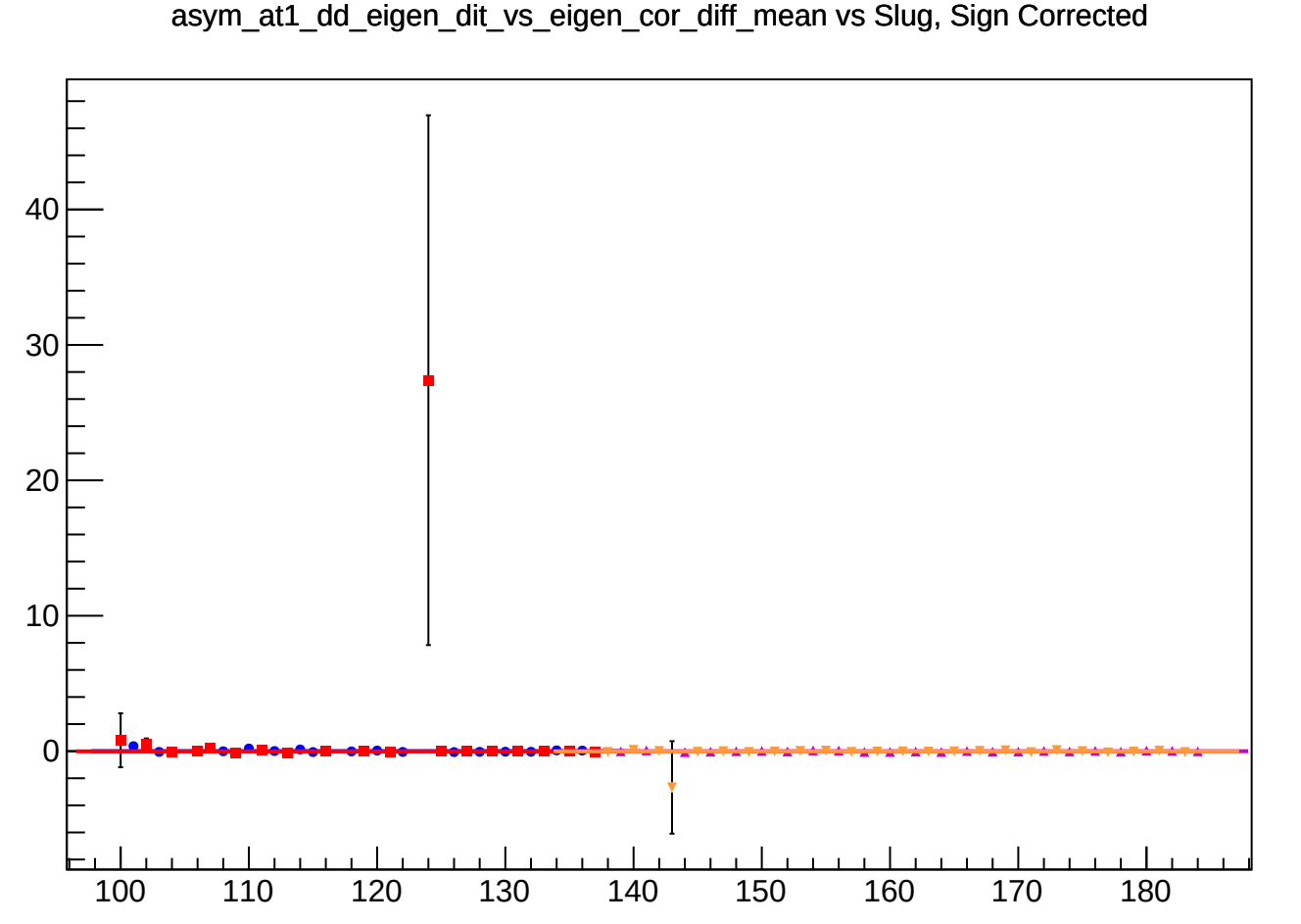
Left: 32.289+/-0.004 χ^2/NDF: 2483351.1/46

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.813+/-0.005 χ^2/NDF:2161896.5/38

Out: 32.376+/-0.005 χ^2/NDF:4137365.1/42

All: 32.595+/-0.004 χ^2/NDF: 6302923.6/81



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: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.1/46

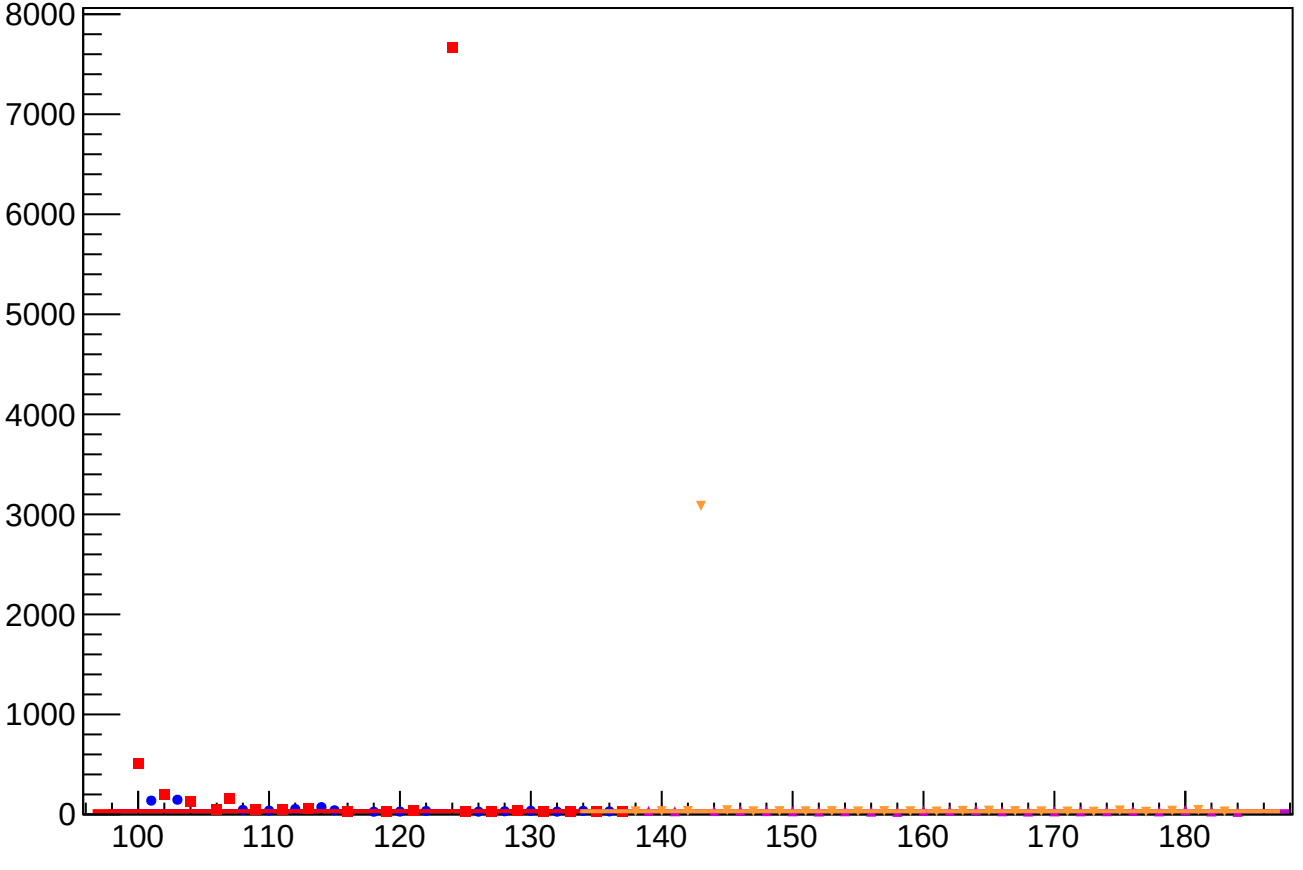
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.007 χ^2/NDF:42.0/38

Out: -0.011+/-0.007 χ^2/NDF:53.2/42

All: -0.006+/-0.005 χ^2/NDF: 95.8/81

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: 32.422+/-0.006 χ^2/NDF:426001.5/22

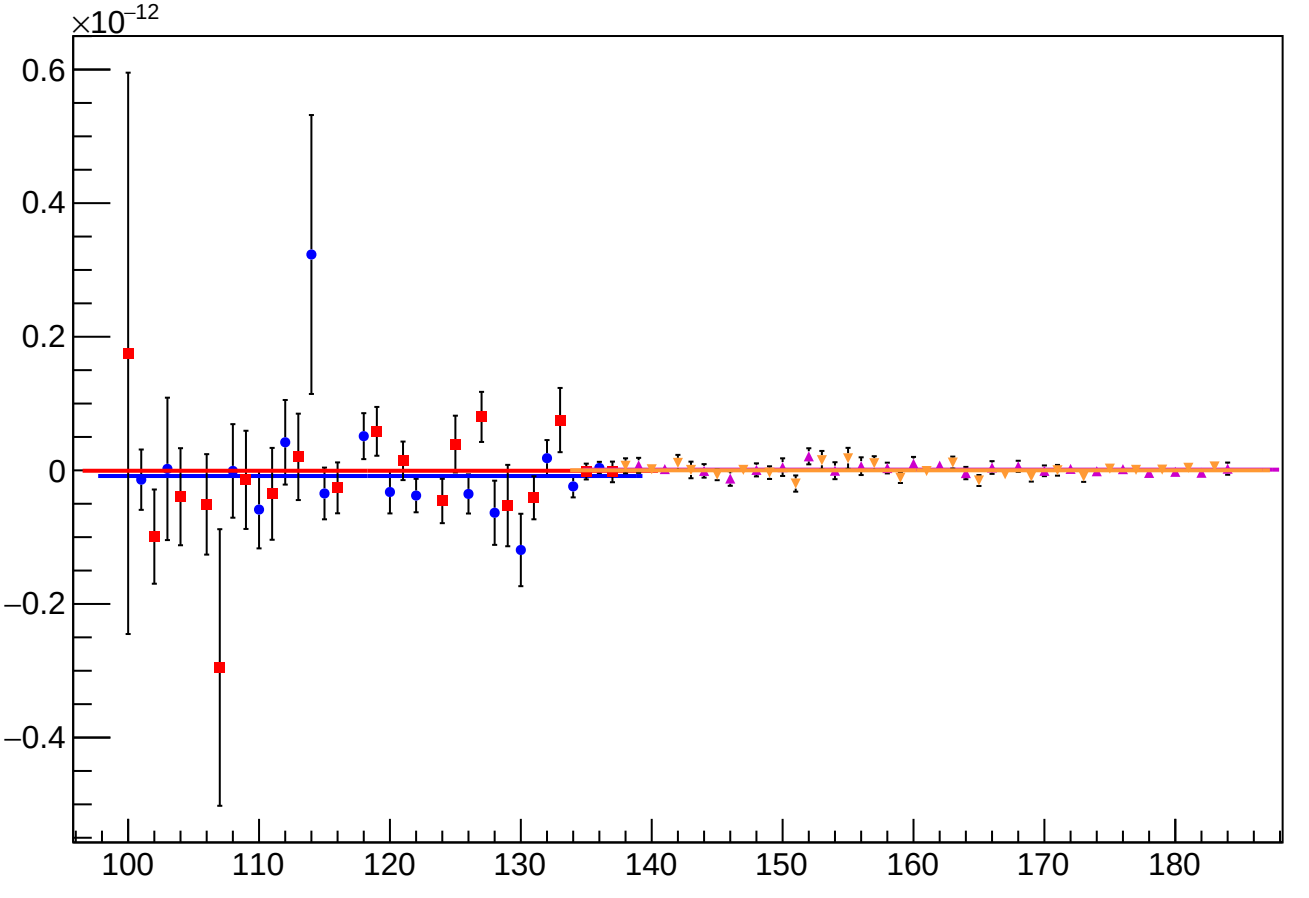
Left: 32.289+/-0.004 χ^2/NDF: 2483351.1/46

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.813+/-0.005 χ^2/NDF:2161896.5/38

Out: 32.376+/-0.005 χ^2/NDF:4137365.1/42

All: 32.595+/-0.004 χ^2/NDF: 6302923.6/81



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:9.2/22

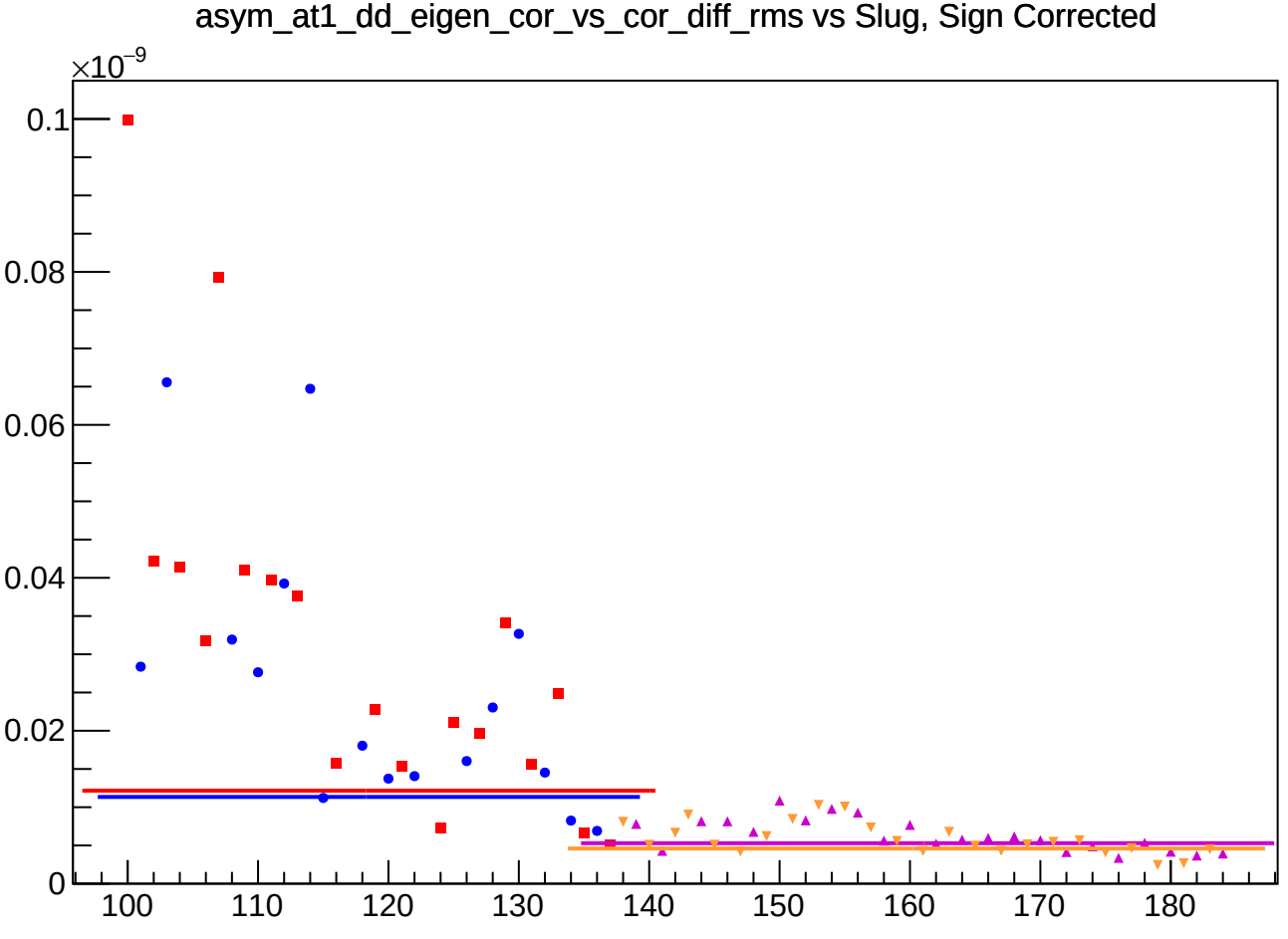
Left: 0.000+/-0.000 χ^2/NDF: 30.4/46

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:30.5/38

Out: 0.000+/-0.000 χ^2/NDF:41.9/42

All: 0.000+/-0.000 χ^2/NDF: 72.4/81



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:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5219879.2/46

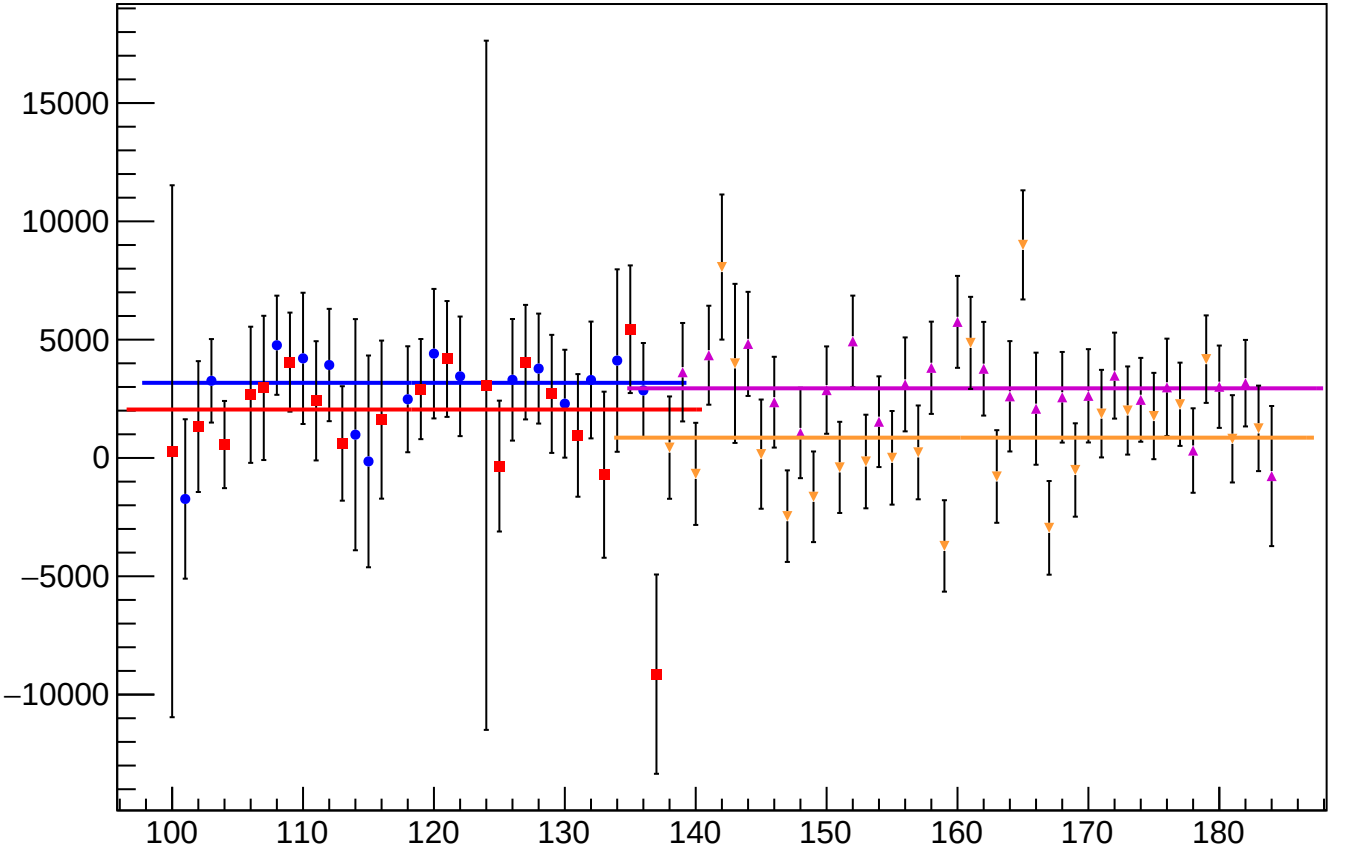
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:6720938.0/38

Out: 0.000+/-0.000 χ^2/NDF:8634832.3/42

All: 0.000+/-0.000 χ^2/NDF: 15614537.6/81

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 858.166+/-409.120 χ^2/NDF:44.7/23

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1893.237+/-290.329 χ^2/NDF: 68.1/46

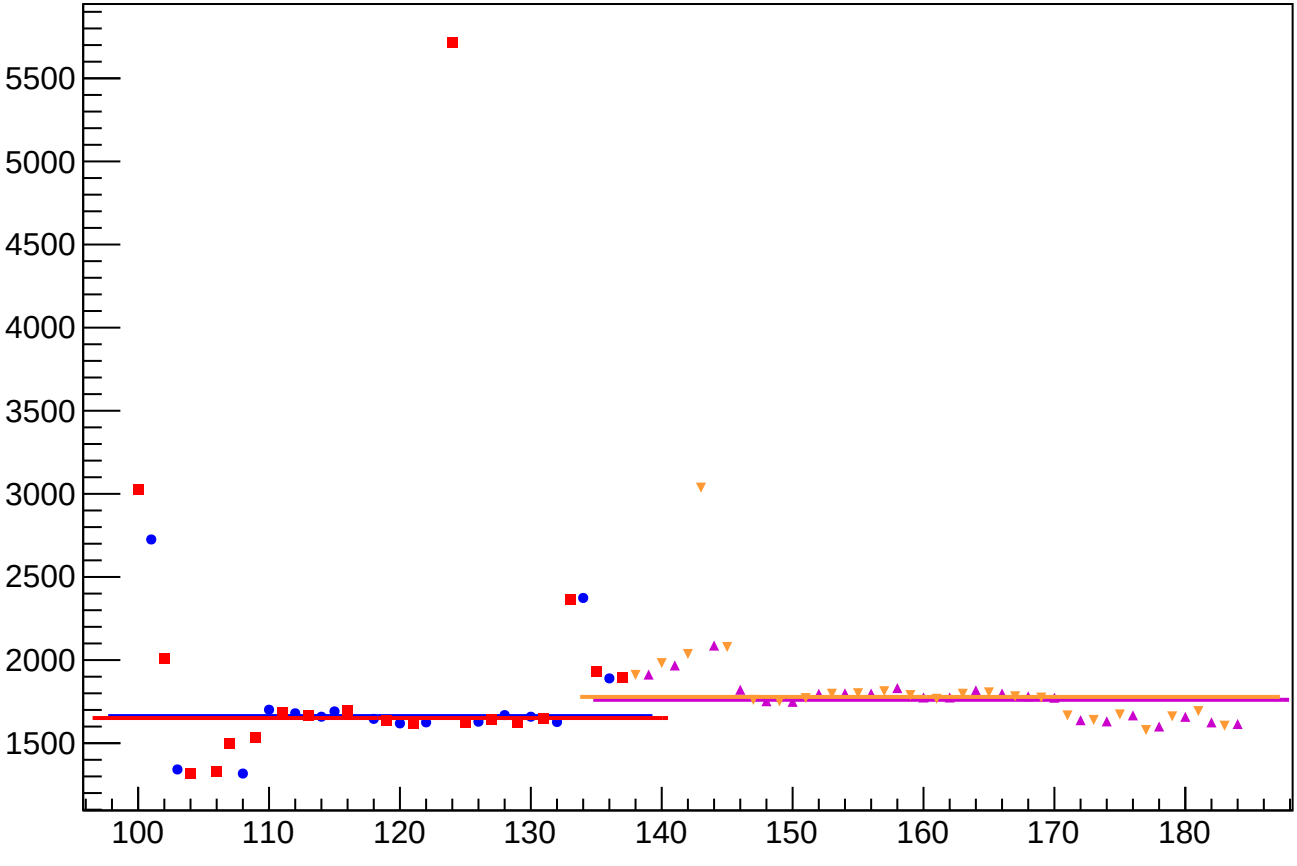
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3013.205+/-344.522 χ^2/NDF:15.0/38

Out: 1217.703+/-341.725 χ^2/NDF:61.3/42

All: 2108.136+/-242.619 χ^2/NDF: 89.9/81

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: 1761.089+/-0.291 χ^2/NDF:146266.6/22

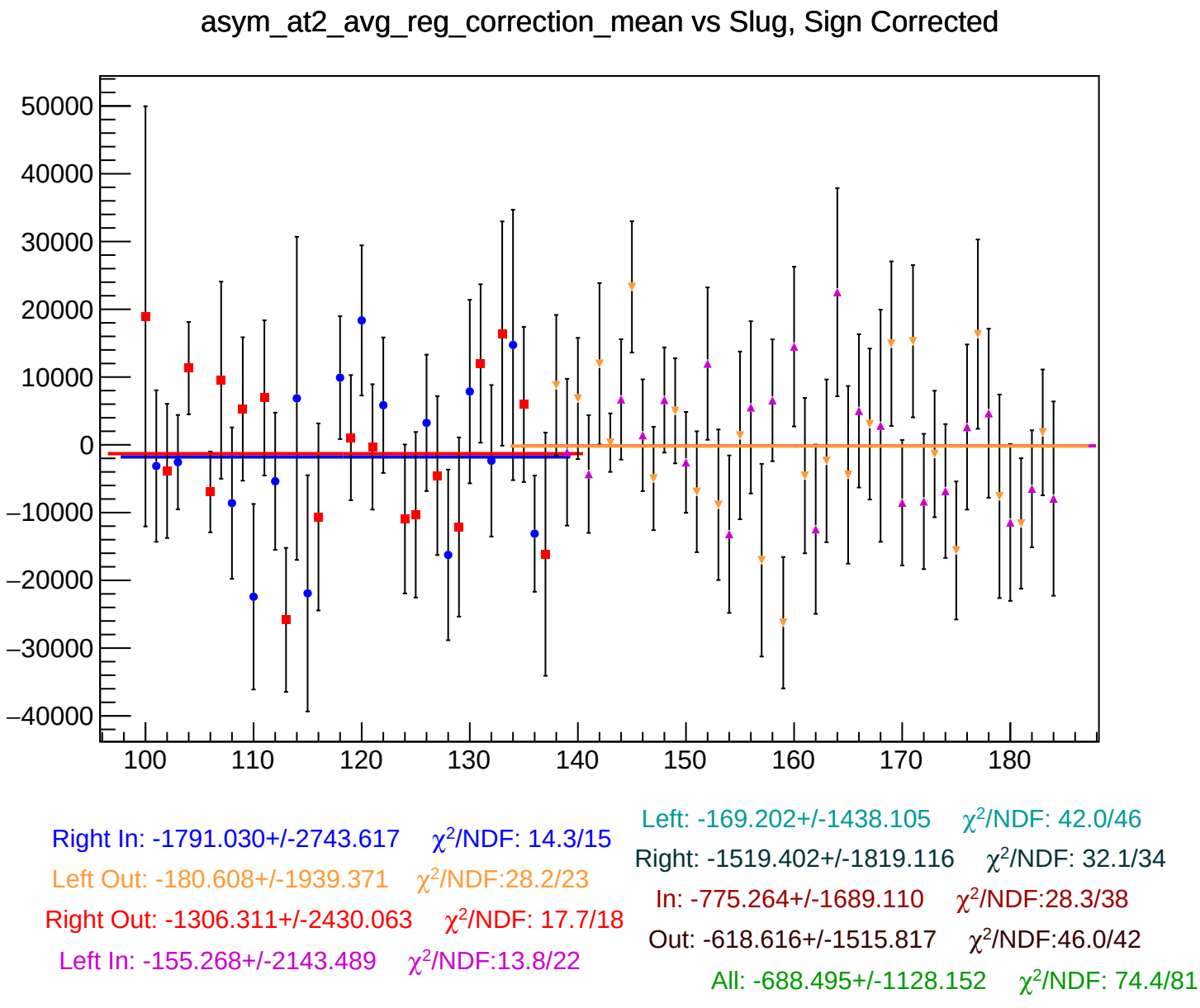
Left: 1769.832+/-0.205 χ^2/NDF: 585463.0/46

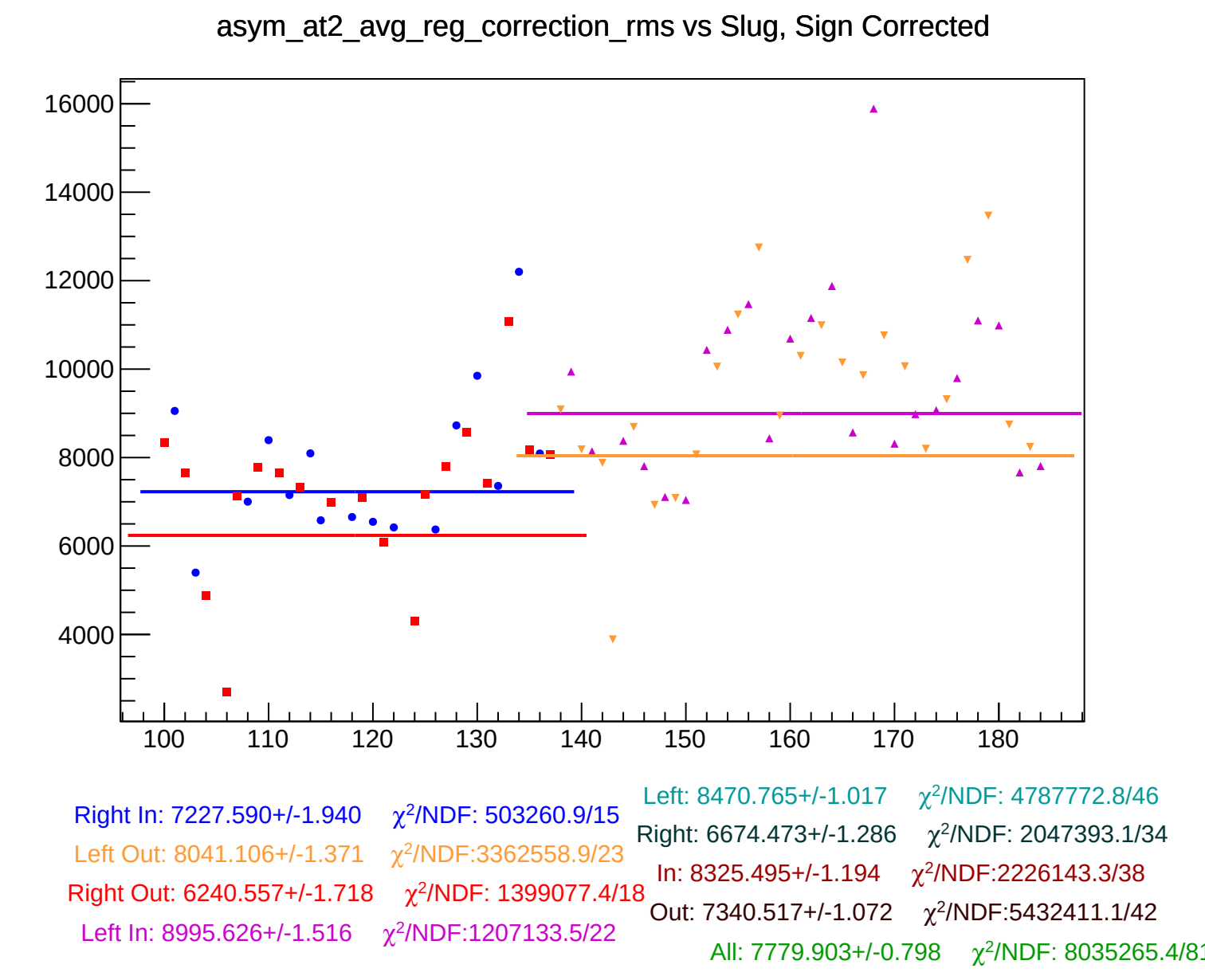
Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

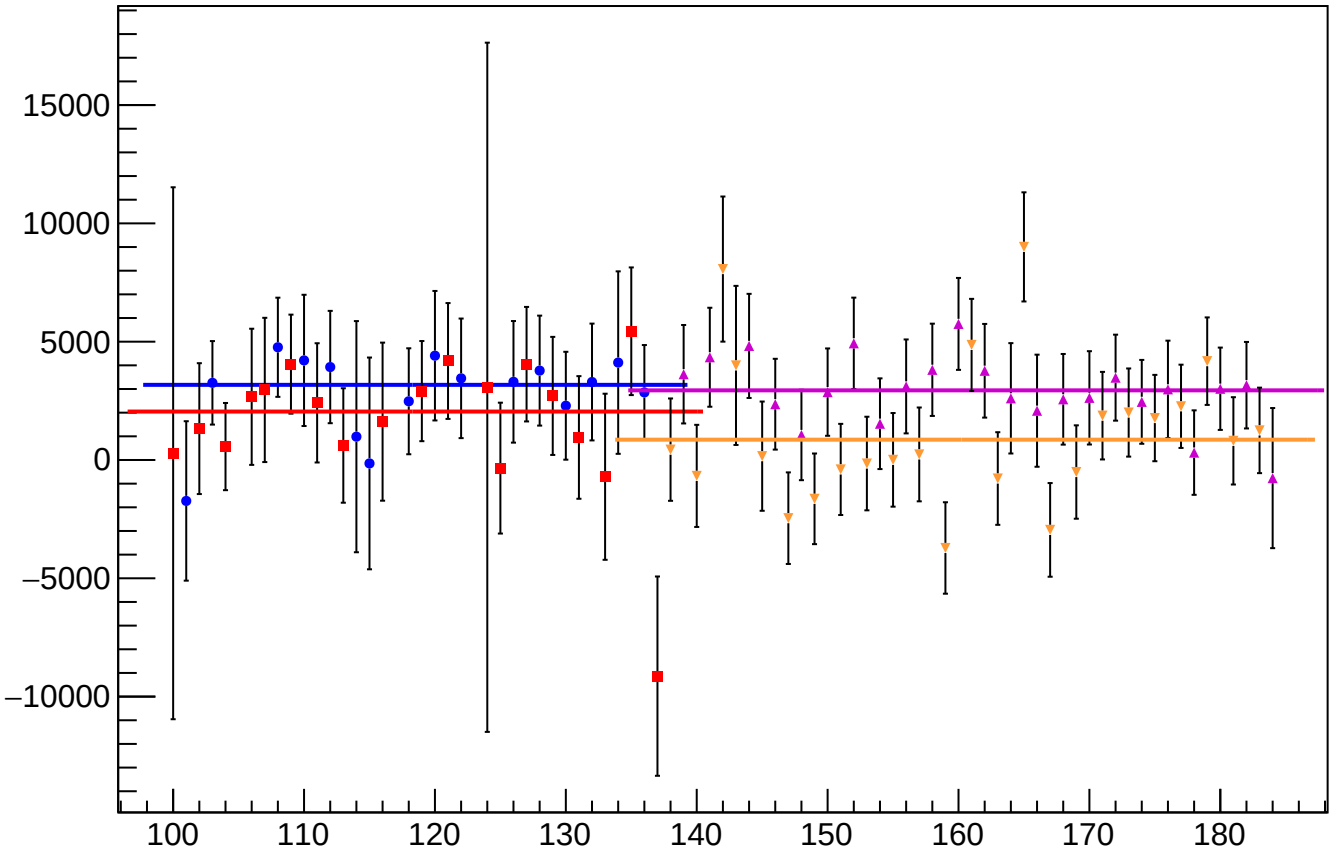
In: 1731.537+/-0.244 χ^2/NDF:596073.7/38

Out: 1740.016+/-0.242 χ^2/NDF:927756.7/42

All: 1735.811+/-0.172 χ^2/NDF: 1524440.9/81


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: -155.268+/-2143.489 χ²/NDF:13.8/22
Left: -169.202+/-1438.105 χ²/NDF: 42.0/46
Right: -1519.402+/-1819.116 χ²/NDF: 32.1/34
In: -775.264+/-1689.110 χ²/NDF:28.3/38
Out: -618.616+/-1515.817 χ²/NDF:46.0/42
All: -688.495+/-1128.152 χ²/NDF: 74.4/81


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: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8470.765+/-1.017 χ²/NDF: 4787772.8/46
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8325.495+/-1.194 χ²/NDF:2226143.3/38
Out: 7340.517+/-1.072 χ²/NDF:5432411.1/42
All: 7779.903+/-0.798 χ²/NDF: 8035265.4/81



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: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1893.138+/-290.329 χ^2/NDF: 68.2/46

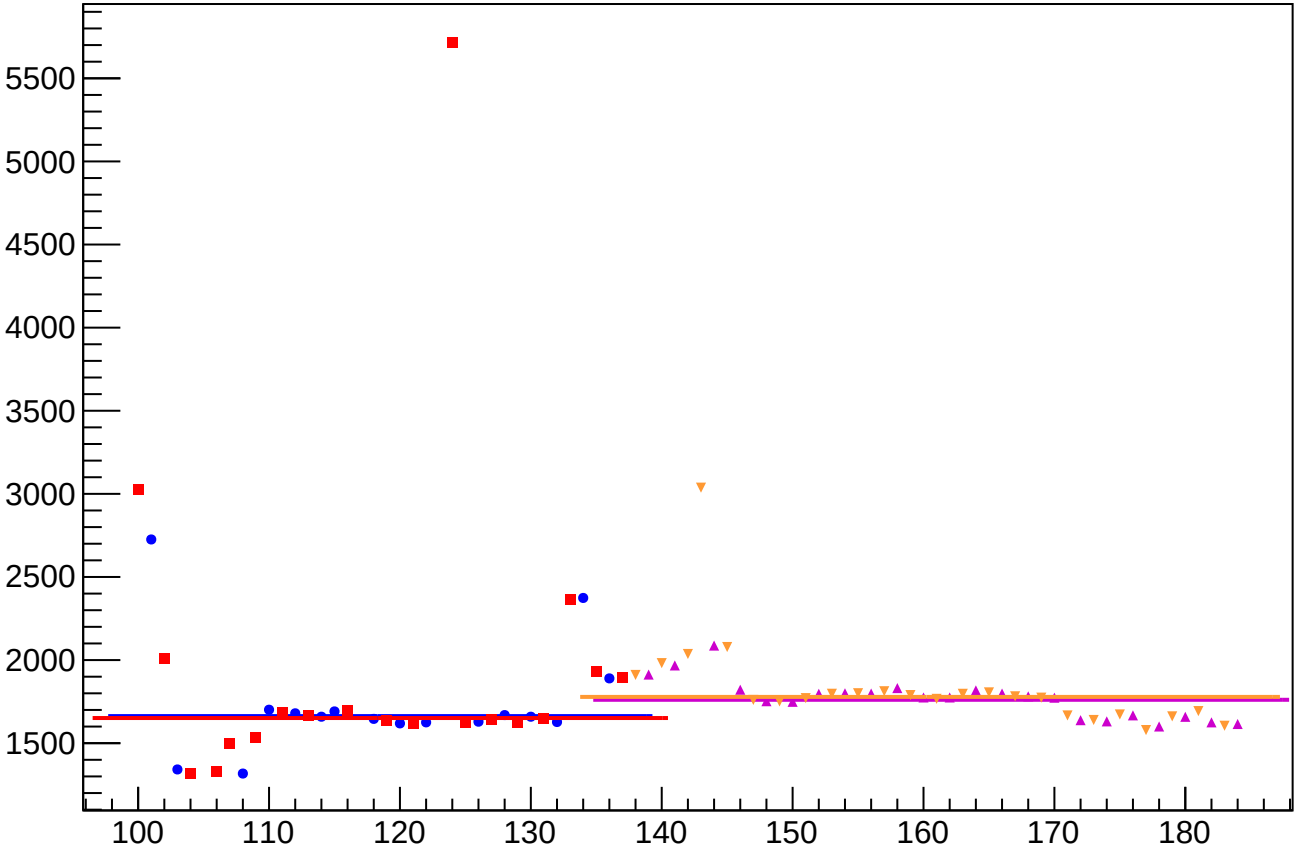
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3013.153+/-344.522 χ^2/NDF:15.0/38

Out: 1217.584+/-341.725 χ^2/NDF:61.3/42

All: 2108.050+/-242.619 χ^2/NDF: 90.0/81

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: 1761.089+/-0.291 χ^2/NDF:146266.6/22

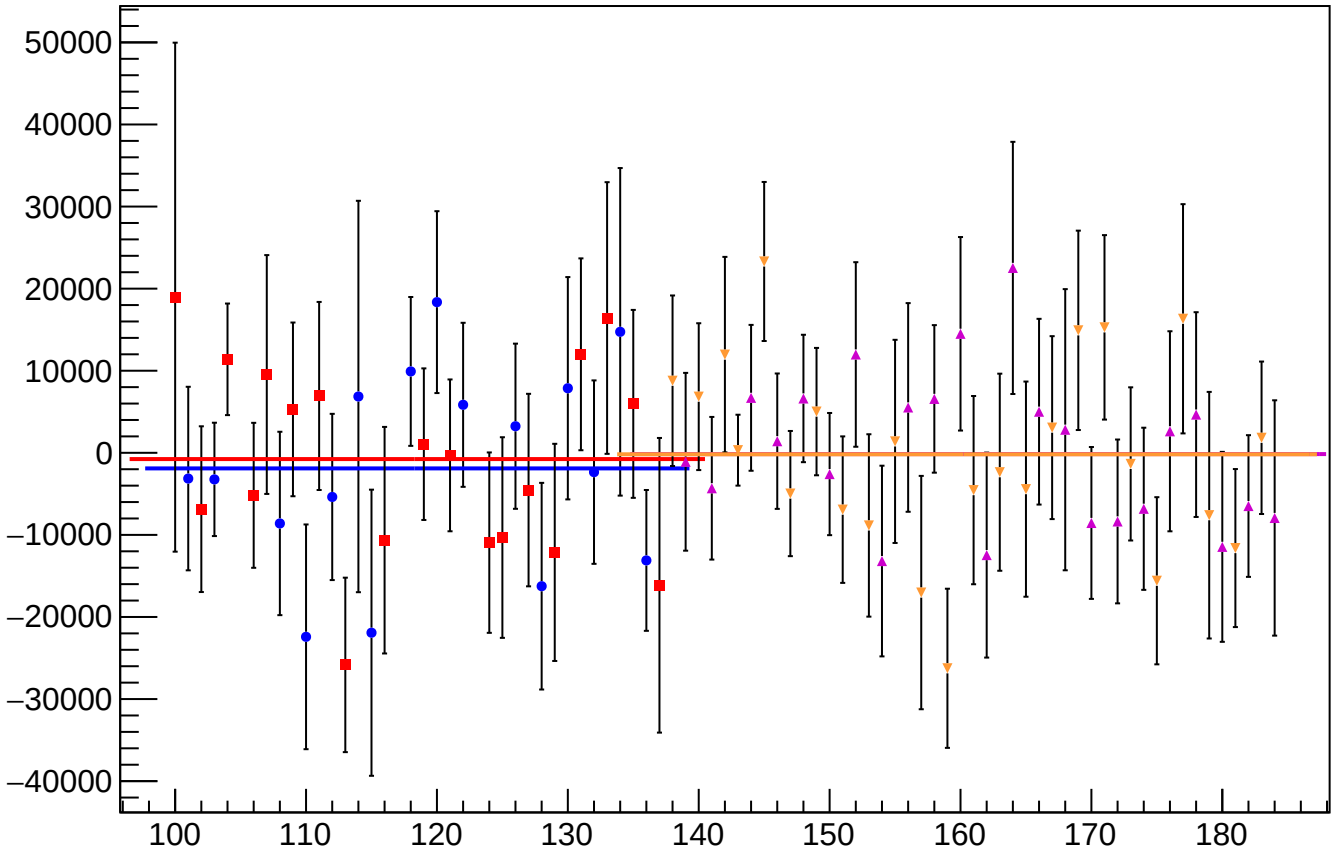
Left: 1769.832+/-0.205 χ^2/NDF: 585462.9/46

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1731.537+/-0.244 χ^2/NDF:596074.1/38

Out: 1740.016+/-0.242 χ^2/NDF:927756.9/42

All: 1735.811+/-0.172 χ^2/NDF: 1524441.6/81



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: -155.239+/-2143.487 χ^2/NDF:13.8/22

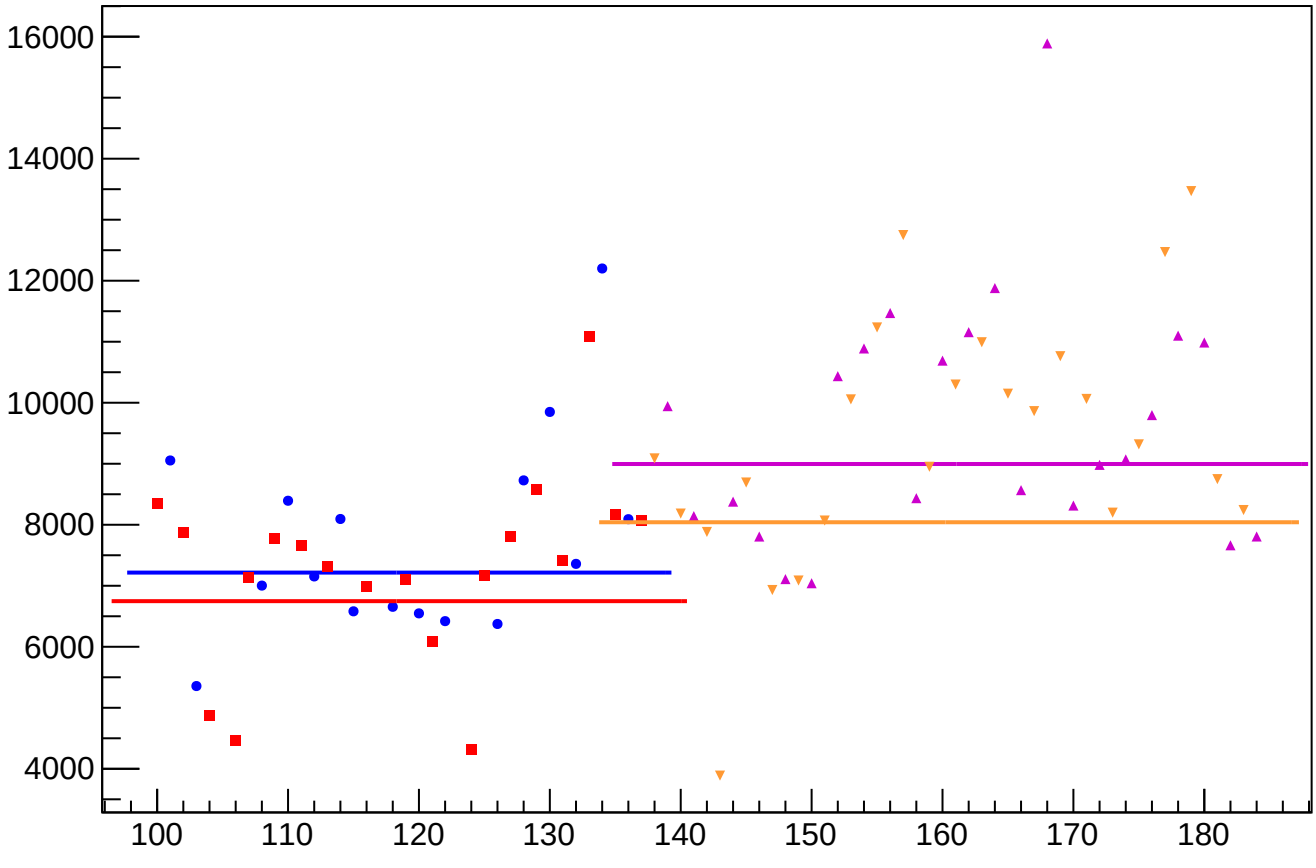
Left: -169.217+/-1438.103 χ^2/NDF: 42.0/46

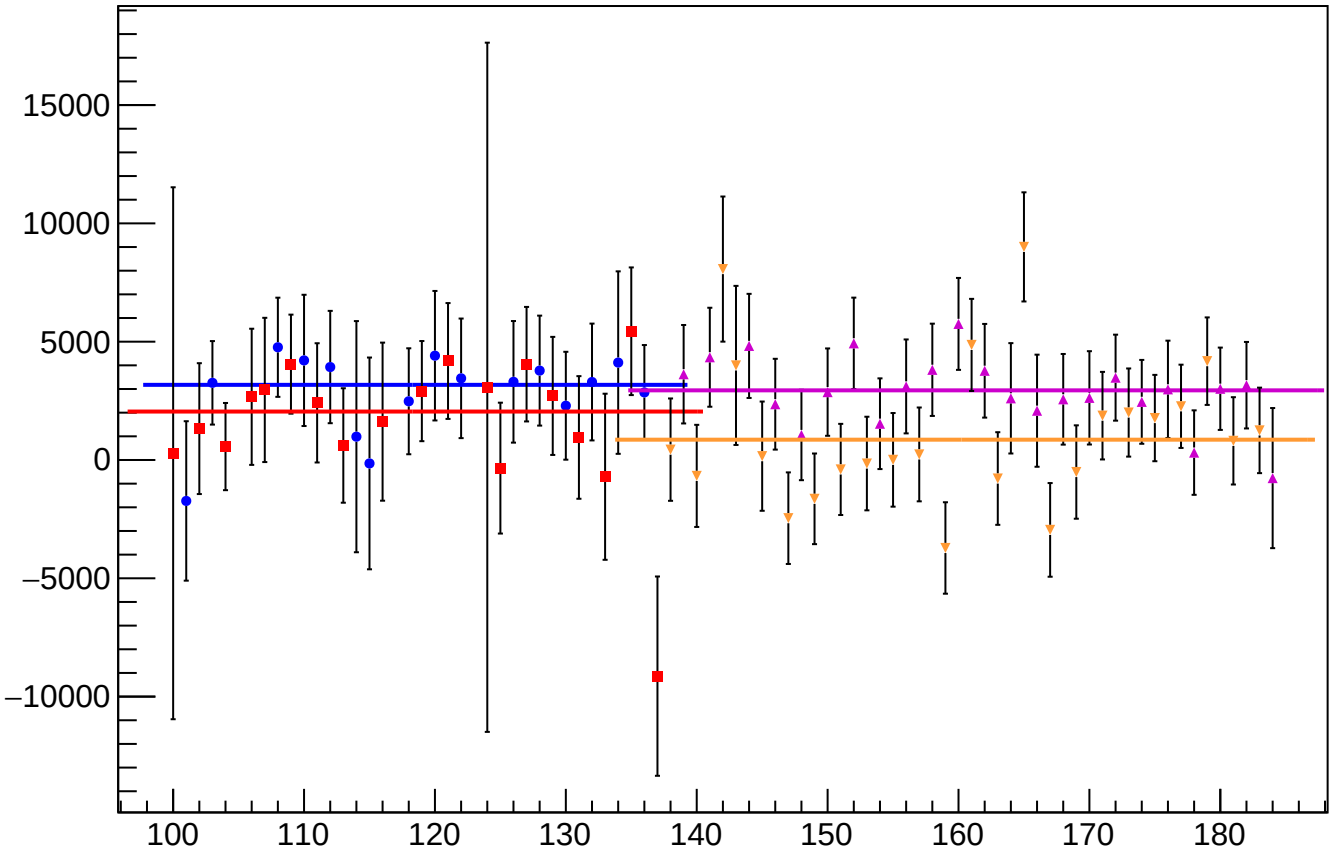
Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -817.693+/-1688.253 χ^2/NDF:28.4/38

Out: -393.887+/-1543.639 χ^2/NDF:45.5/42

All: -586.864+/-1139.219 χ^2/NDF: 73.9/81


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7216.029+/-1.937 χ²/NDF: 512126.4/15
Left Out: 8041.080+/-1.371 χ²/NDF:3362635.9/23
Right Out: 6747.736+/-1.803 χ²/NDF: 708793.3/18
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8470.746+/-1.017 χ²/NDF: 4787863.7/46
Right: 6965.084+/-1.320 χ²/NDF: 1252226.6/34
In: 8319.988+/-1.194 χ²/NDF:2242643.4/38
Out: 7567.117+/-1.092 χ²/NDF:4397392.5/42
All: 7909.932+/-0.806 χ²/NDF: 6856665.9/81



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: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1893.138+/-290.329 χ^2/NDF: 68.2/46

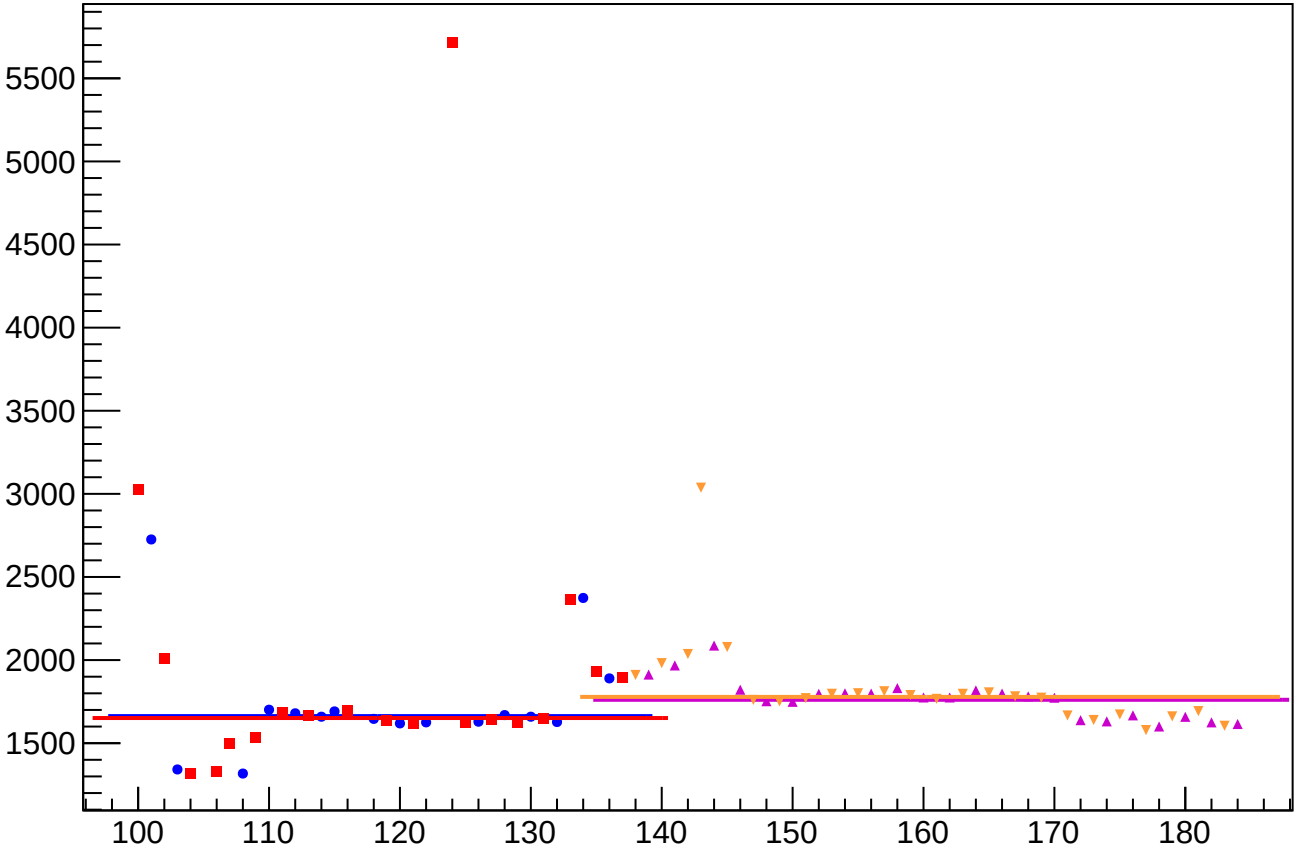
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3013.153+/-344.522 χ^2/NDF:15.0/38

Out: 1217.584+/-341.725 χ^2/NDF:61.3/42

All: 2108.050+/-242.619 χ^2/NDF: 90.0/81

eigen_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: 1761.089+/-0.291 χ^2/NDF:146266.6/22

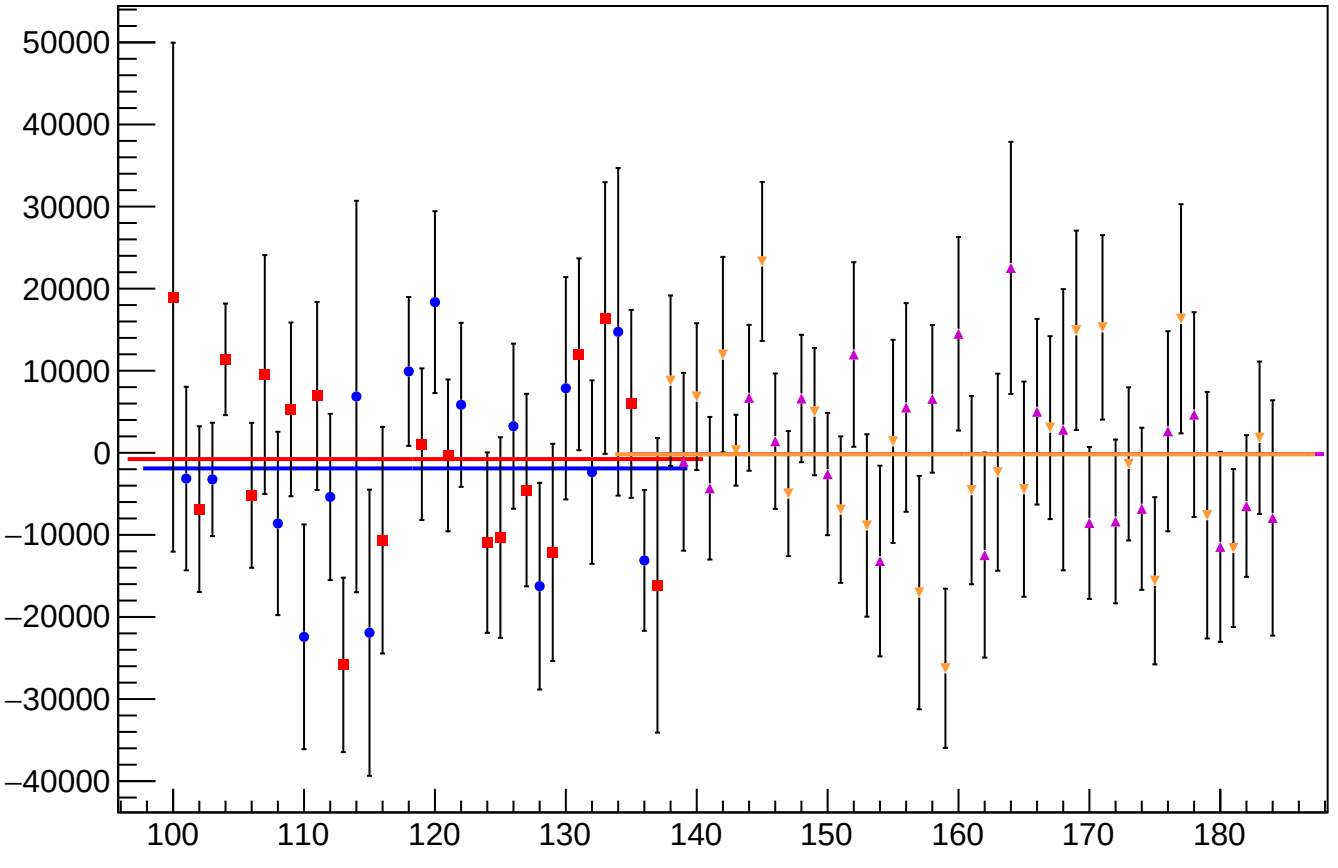
Left: 1769.832+/-0.205 χ^2/NDF: 585462.9/46

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1731.537+/-0.244 χ^2/NDF:596074.1/38

Out: 1740.016+/-0.242 χ^2/NDF:927756.9/42

All: 1735.811+/-0.172 χ^2/NDF: 1524441.6/81



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: -155.239+/-2143.487 χ^2/NDF:13.8/22

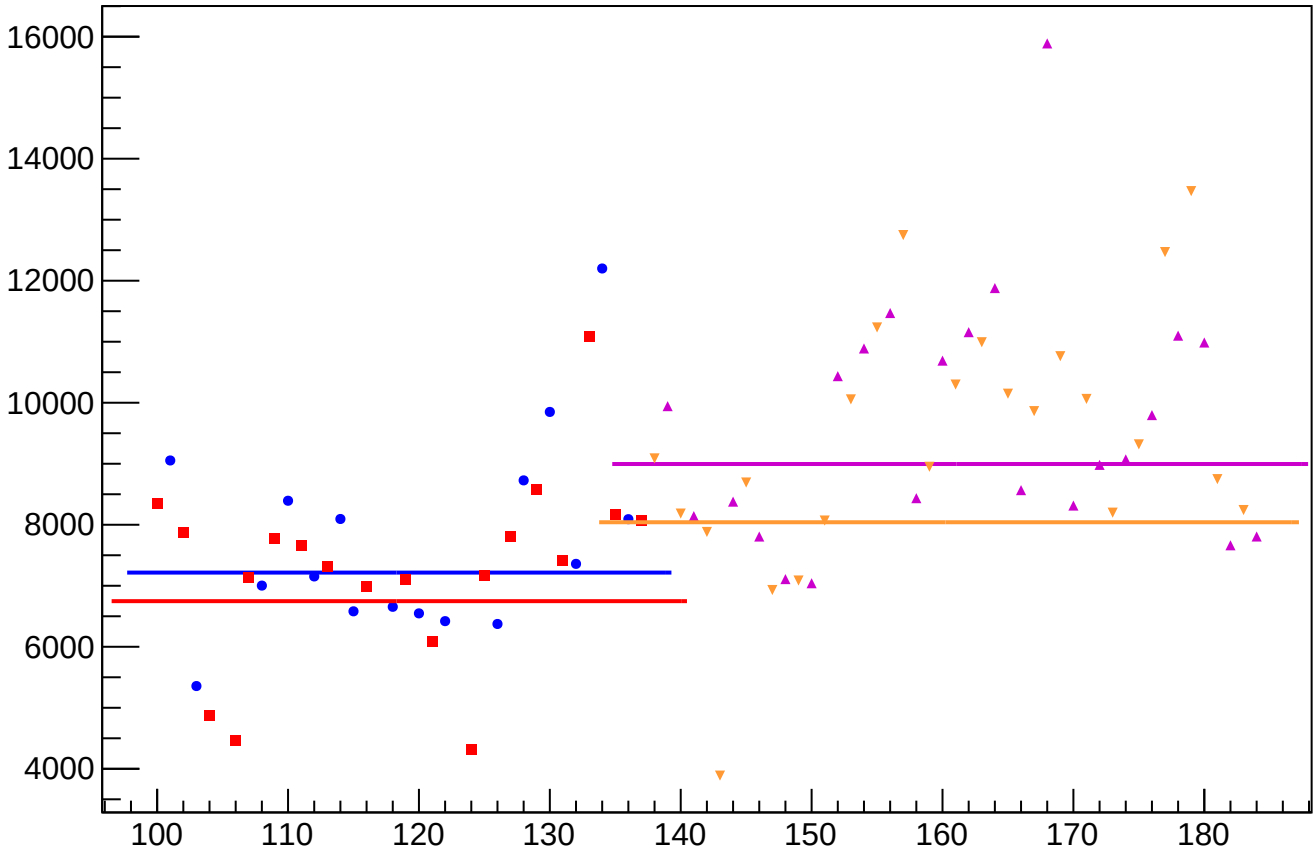
Left: -169.217+/-1438.103 χ^2/NDF: 42.0/46

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -817.693+/-1688.253 χ^2/NDF:28.4/38

Out: -393.887+/-1543.639 χ^2/NDF:45.5/42

All: -586.864+/-1139.219 χ^2/NDF: 73.9/81


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
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6000
4000
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120
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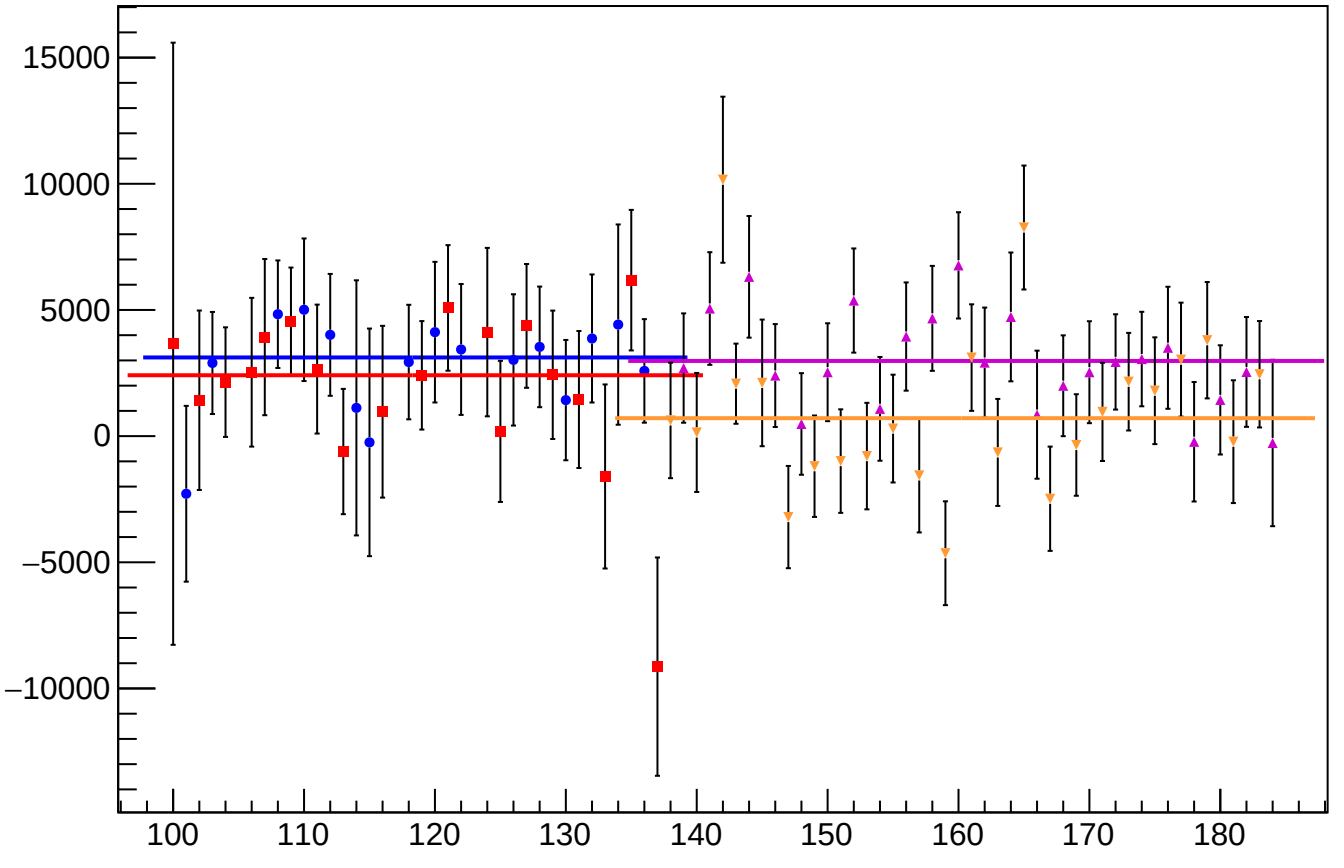
160
170
180
Right In: 7216.029+/-1.937 χ²/NDF: 512126.4/15
Left Out: 8041.080+/-1.371 χ²/NDF:3362635.9/23
Right Out: 6747.736+/-1.803 χ²/NDF: 708793.3/18
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8470.746+/-1.017 χ²/NDF: 4787863.7/46
Right: 6965.084+/-1.320 χ²/NDF: 1252226.6/34
In: 8319.988+/-1.194 χ²/NDF:2242643.4/38
Out: 7567.117+/-1.092 χ²/NDF:4397392.5/42
All: 7909.932+/-0.806 χ²/NDF: 6856665.9/81



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: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1809.457+/-313.409 χ^2/NDF: 70.1/46

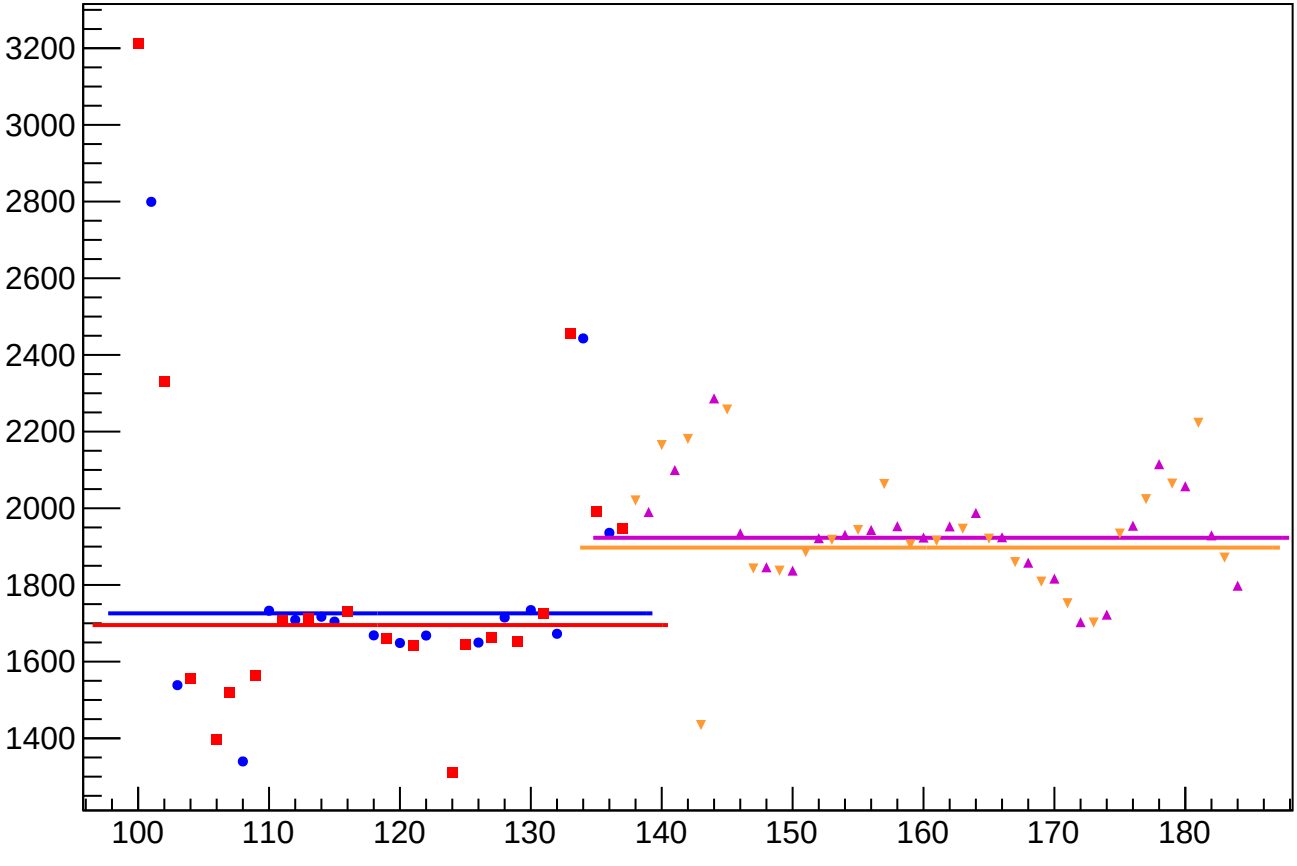
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3024.089+/-370.379 χ^2/NDF:21.0/38

Out: 1252.045+/-360.407 χ^2/NDF:62.2/42

All: 2113.892+/-258.300 χ^2/NDF: 94.9/81

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: 1923.038+/-0.318 χ^2/NDF:150977.3/22

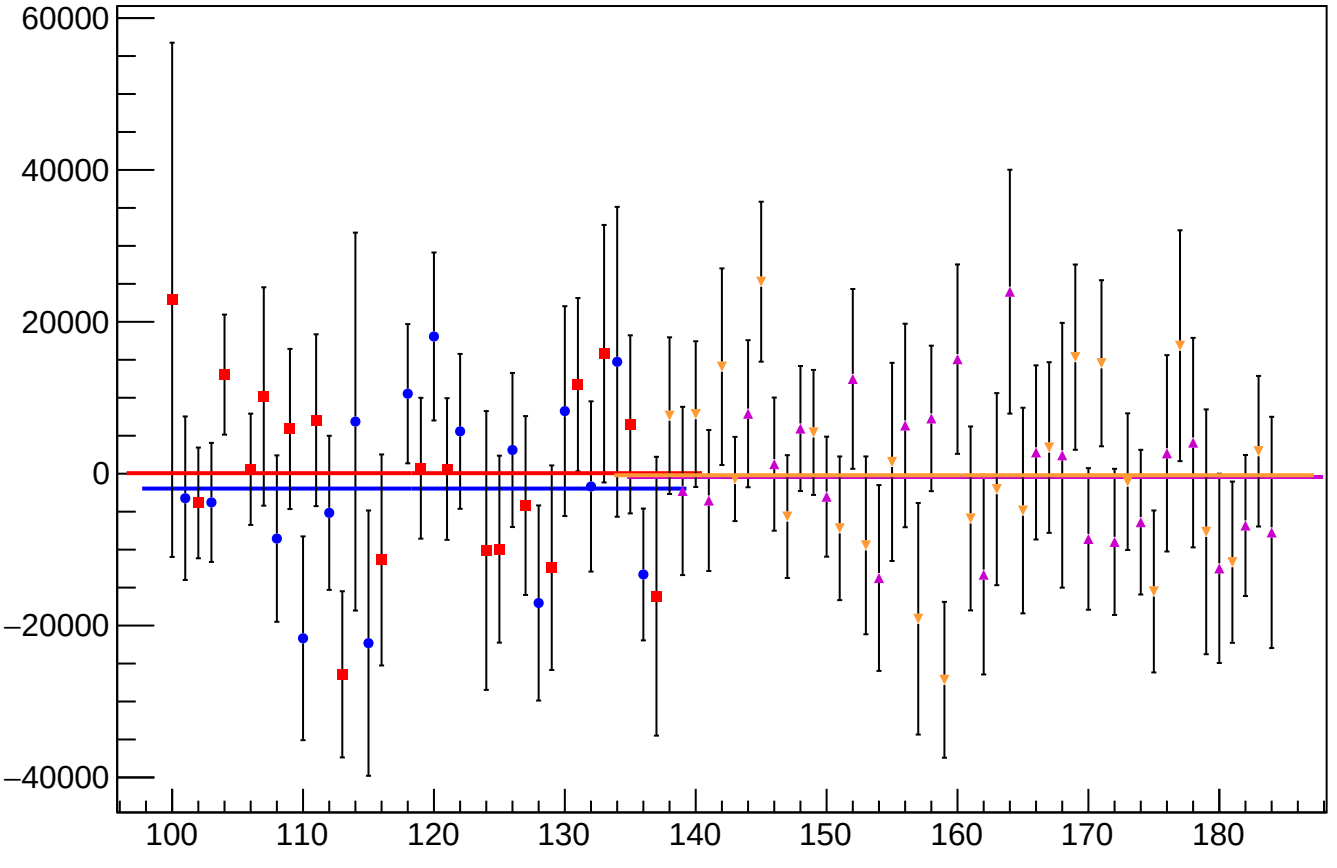
Left: 1909.846+/-0.222 χ^2/NDF: 517947.1/46

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1859.253+/-0.262 χ^2/NDF:640617.5/38

Out: 1833.145+/-0.255 χ^2/NDF:785701.8/42

All: 1845.841+/-0.183 χ^2/NDF: 1431424.6/81



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: -436.717+/-2245.180 χ^2/NDF:13.6/22

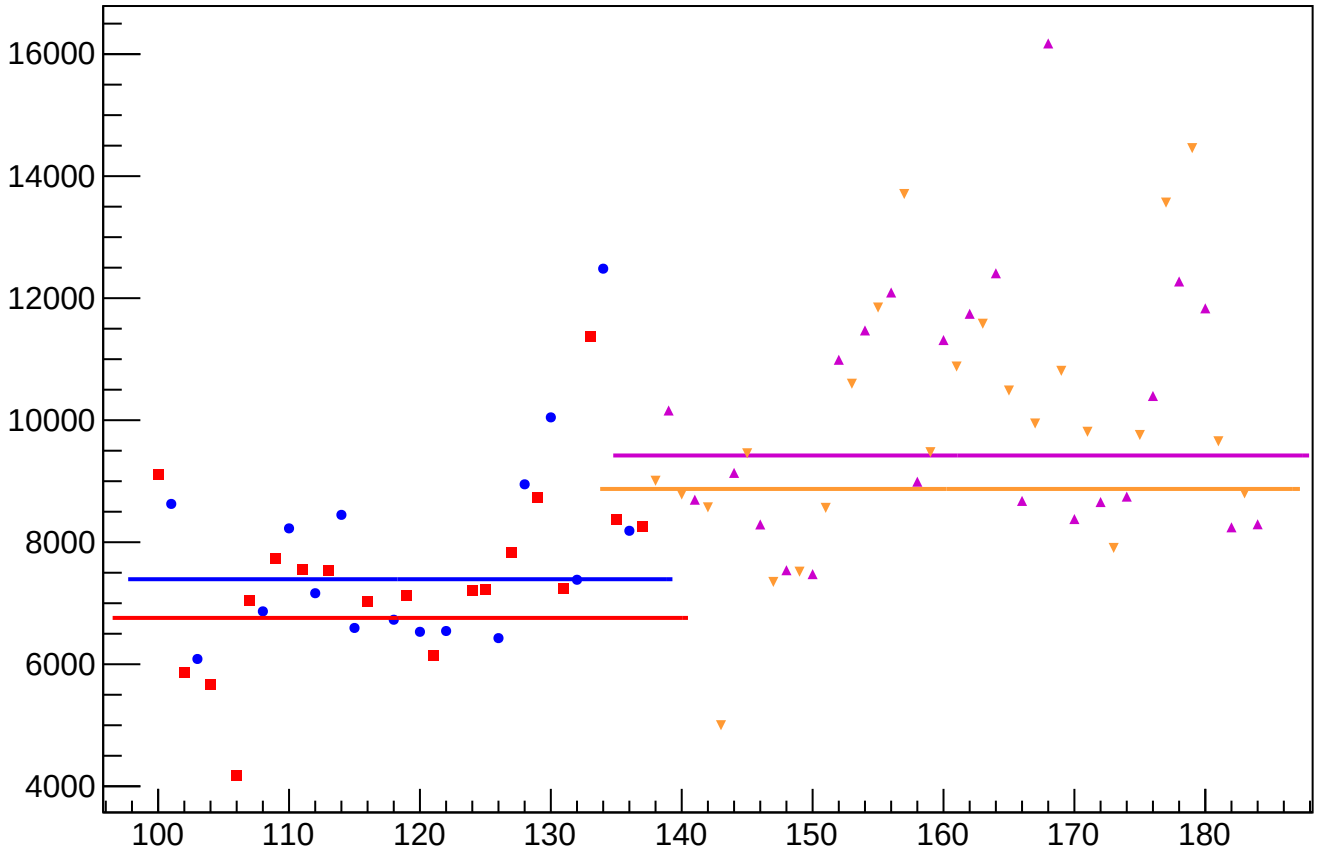
Left: -313.194+/-1535.353 χ^2/NDF: 41.2/46

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -1032.718+/-1751.195 χ^2/NDF:28.1/38

Out: -93.094+/-1617.710 χ^2/NDF:43.7/42

All: -525.734+/-1188.285 χ^2/NDF: 72.0/81



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8873.262+/-1.488 χ^2/NDF:2203246.2/23

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

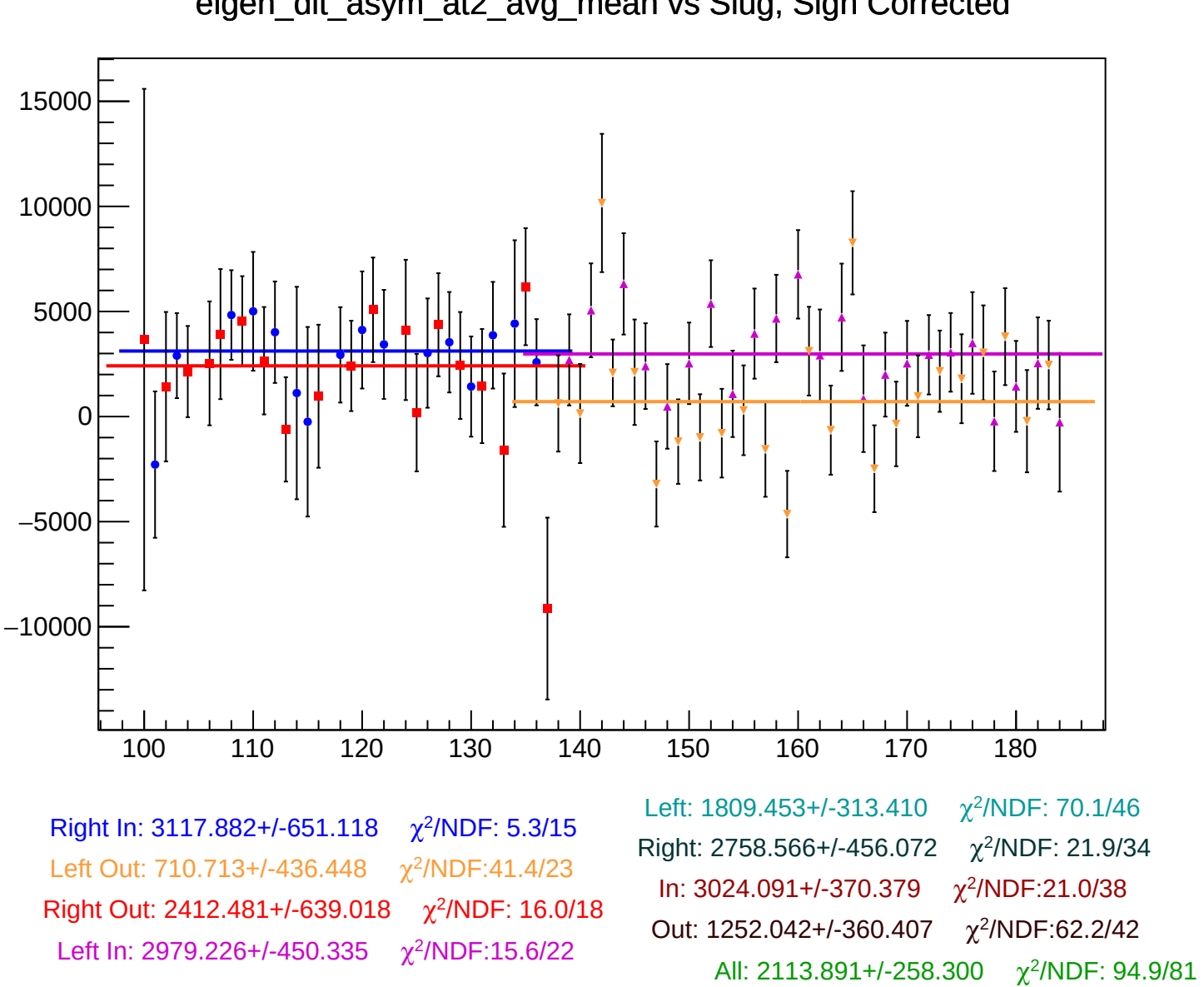
Left: 9129.739+/-1.086 χ^2/NDF: 3471627.0/46

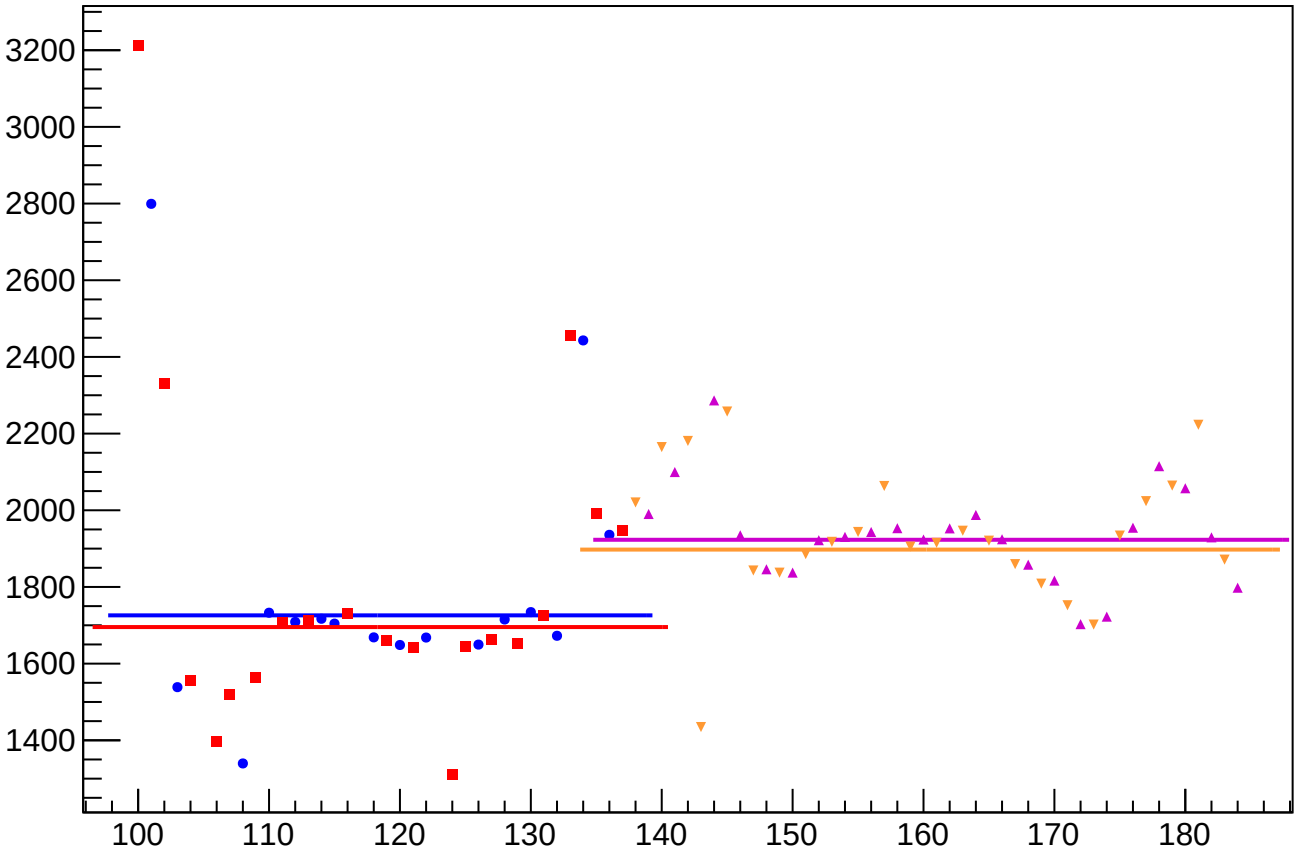
Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8627.445+/-1.238 χ^2/NDF:2245788.0/38

Out: 8008.705+/-1.144 χ^2/NDF:3672968.8/42

All: 8293.597+/-0.840 χ^2/NDF: 6053472.6/81


eigen_dit_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: 3117.882+/-651.118 χ²/NDF: 5.3/15
Left Out: 710.713+/-436.448 χ²/NDF:41.4/23
Right Out: 2412.481+/-639.018 χ²/NDF: 16.0/18
Left In: 2979.226+/-450.335 χ²/NDF:15.6/22
Left: 1809.453+/-313.410 χ²/NDF: 70.1/46
Right: 2758.566+/-456.072 χ²/NDF: 21.9/34
In: 3024.091+/-370.379 χ²/NDF:21.0/38
Out: 1252.042+/-360.407 χ²/NDF:62.2/42
All: 2113.891+/-258.300 χ²/NDF: 94.9/81



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1897.457+/-0.309 χ^2/NDF:363649.1/23

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

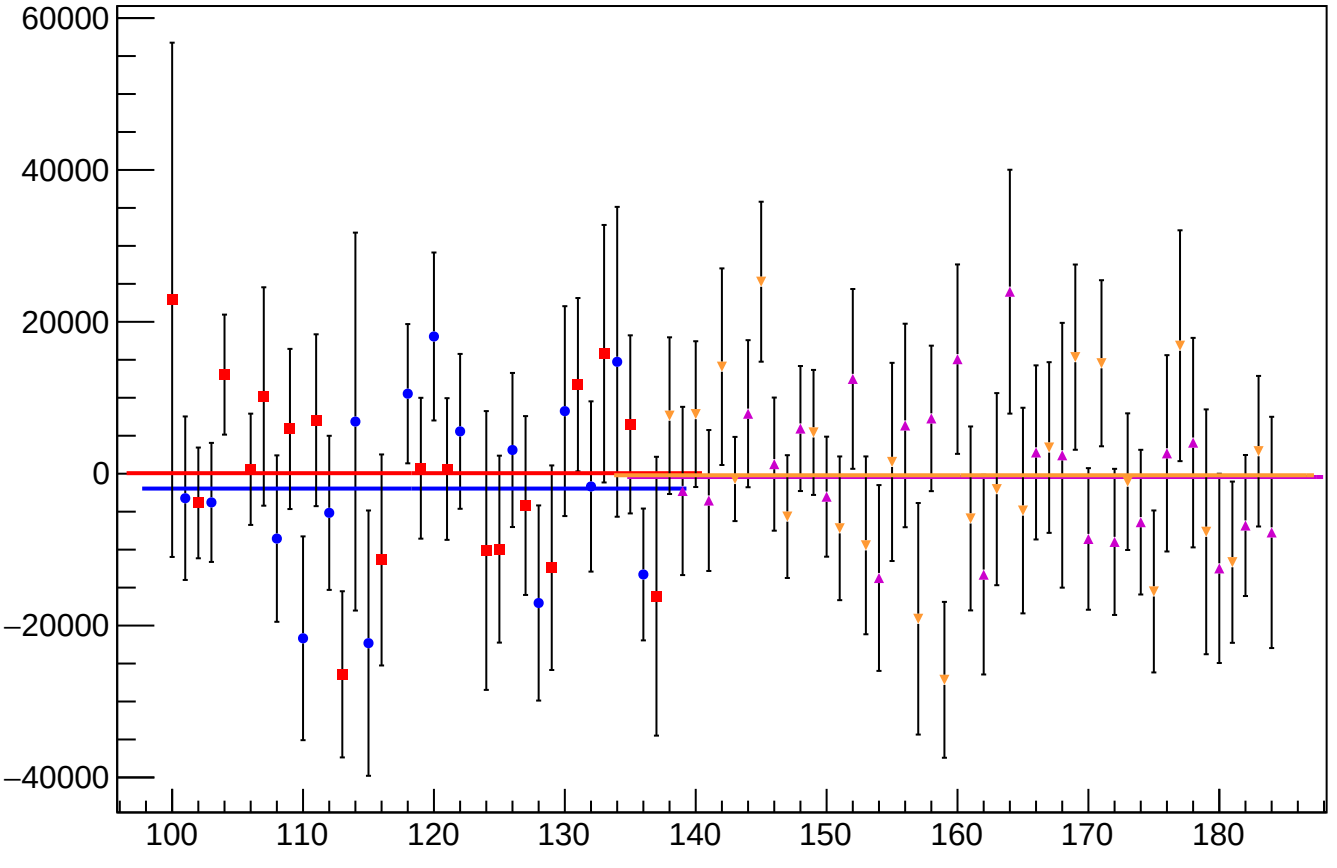
Left: 1909.849+/-0.222 χ^2/NDF: 517962.6/46

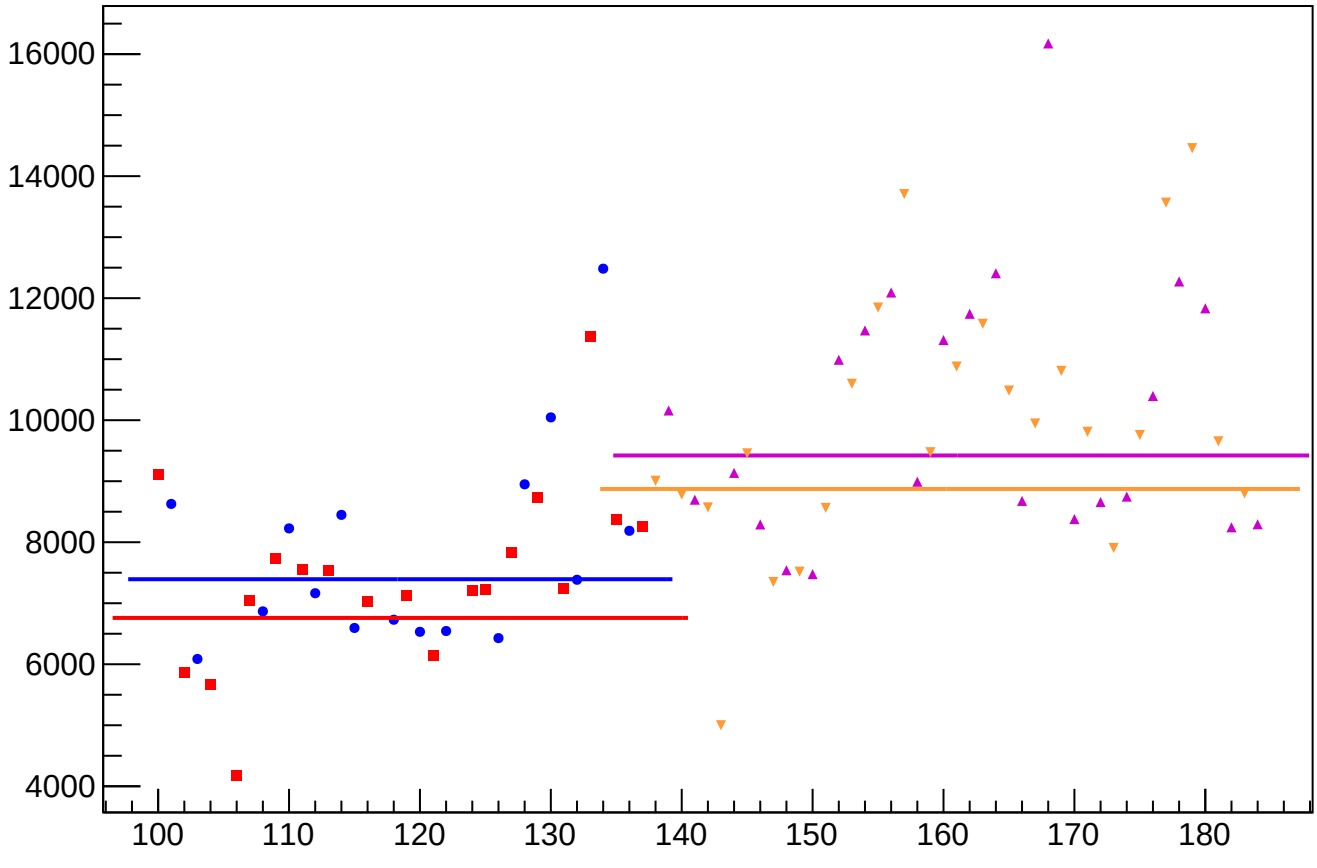
Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1859.255+/-0.262 χ^2/NDF:640629.7/38

Out: 1833.146+/-0.255 χ^2/NDF:785714.4/42

All: 1845.843+/-0.183 χ^2/NDF: 1431449.4/81


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: -436.720+/-2245.183 χ²/NDF:13.6/22
Left: -313.199+/-1535.356 χ²/NDF: 41.2/46
Right: -843.203+/-1876.490 χ²/NDF: 30.8/34
In: -1032.715+/-1751.195 χ²/NDF:28.1/38
Out: -93.094+/-1617.710 χ²/NDF:43.7/42
All: -525.733+/-1188.286 χ²/NDF: 72.0/81



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: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9129.753+/-1.086 χ^2/NDF: 3471632.2/46

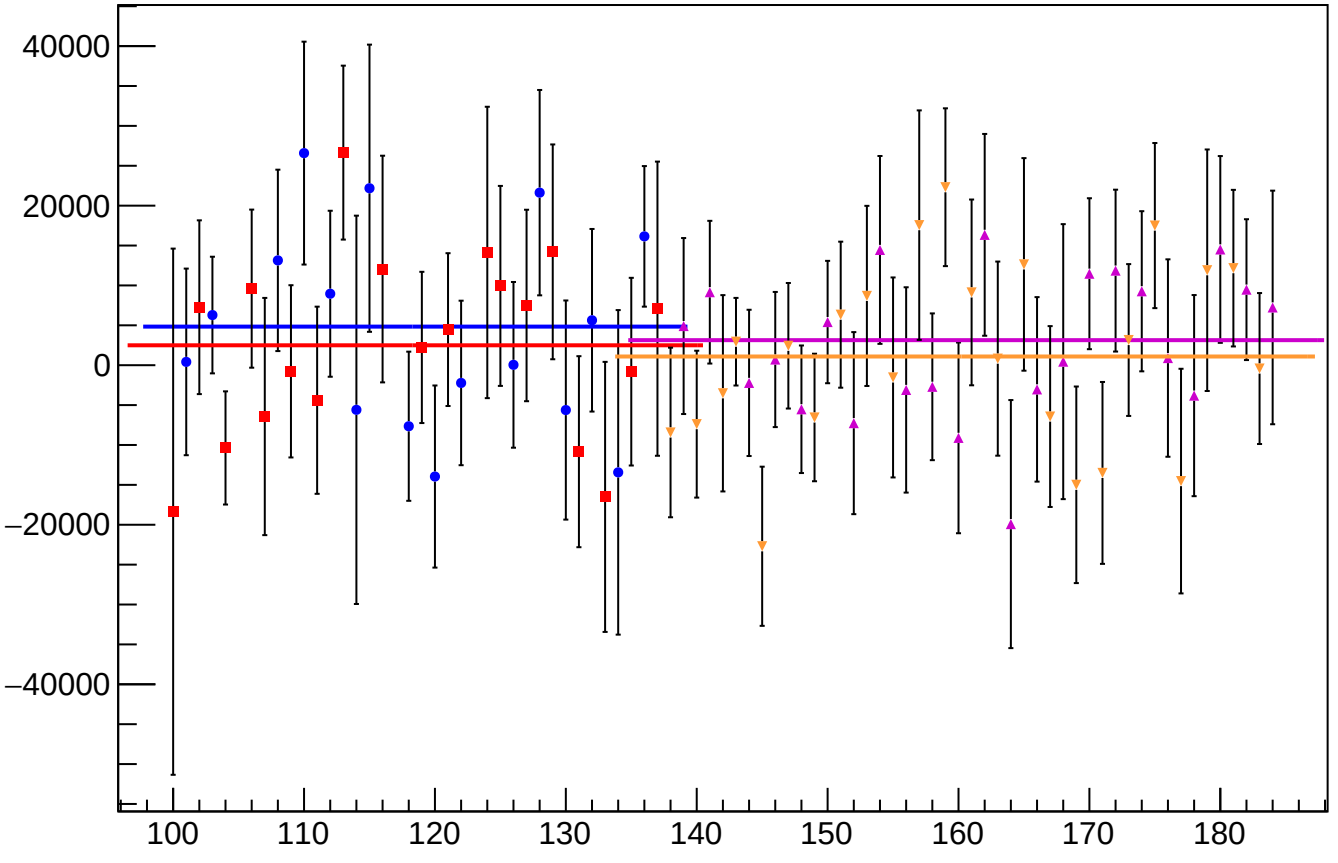
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8627.443+/-1.238 χ^2/NDF:2245815.1/38

Out: 8008.703+/-1.144 χ^2/NDF:3672992.5/42

All: 8293.596+/-0.840 χ^2/NDF: 6053523.2/81

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: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2050.569+/-1498.663 χ^2/NDF: 39.3/46

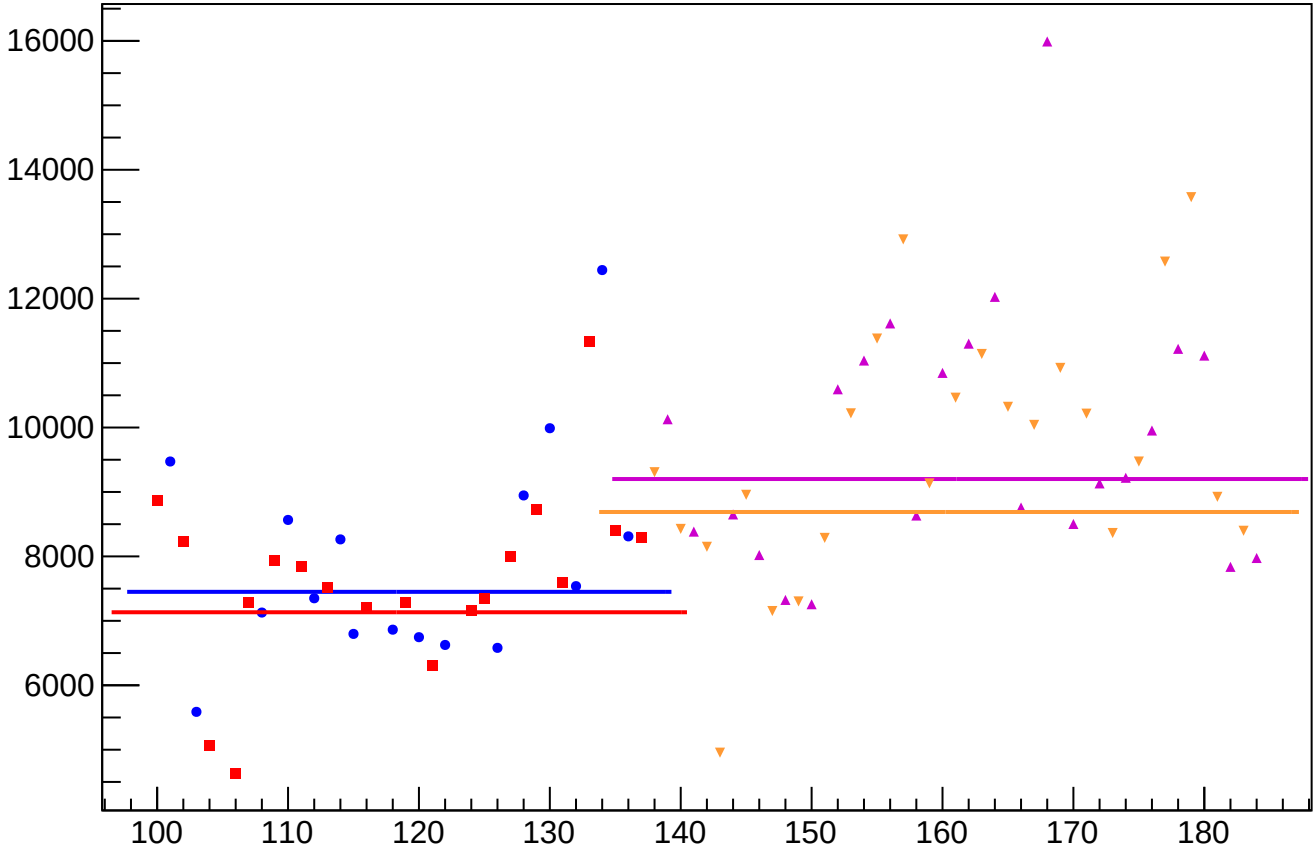
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3775.566+/-1731.459 χ^2/NDF:27.5/38

Out: 1607.501+/-1634.601 χ^2/NDF:41.0/42

All: 2629.200+/-1188.605 χ^2/NDF: 69.3/81

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: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

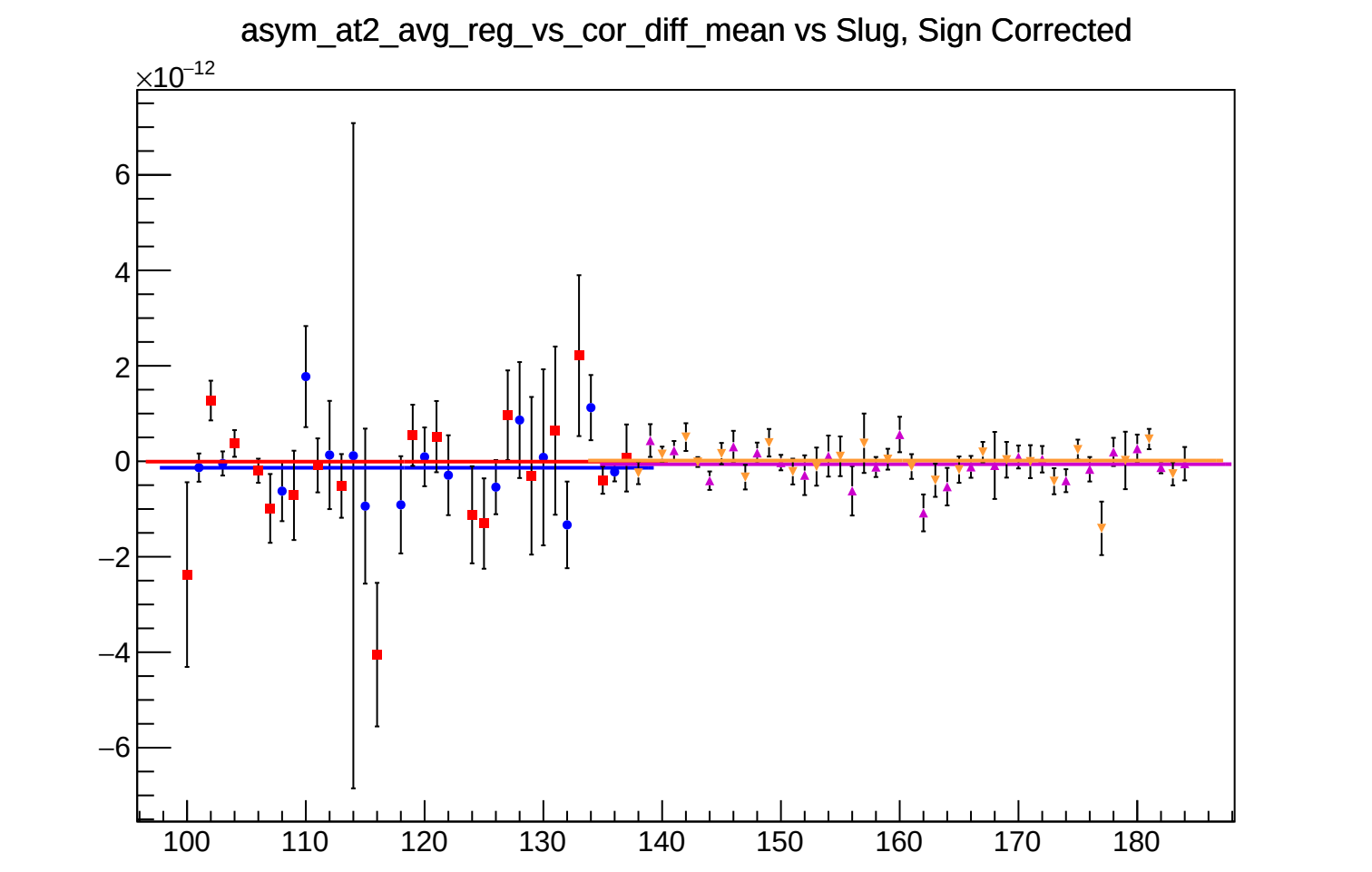
Left: 8928.913+/-1.060 χ^2/NDF: 3238392.9/46

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8544.911+/-1.224 χ^2/NDF:2094943.1/38

Out: 8116.944+/-1.156 χ^2/NDF:3029405.3/42

All: 8318.618+/-0.840 χ^2/NDF: 5188957.1/81



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

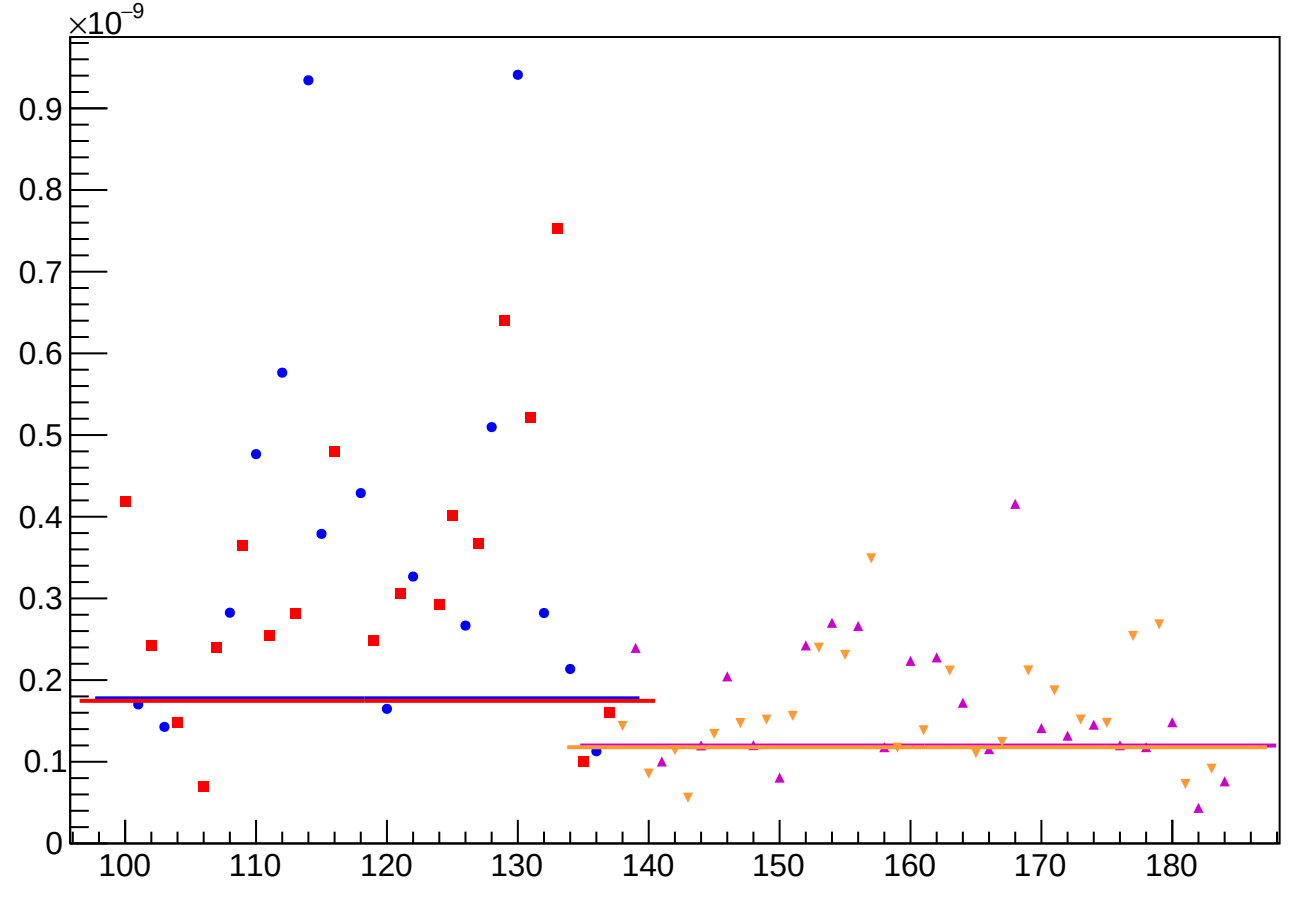
Left: -0.000+/-0.000 χ^2/NDF: 57.7/46

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:39.7/38

Out: 0.000+/-0.000 χ^2/NDF:61.6/42

All: -0.000+/-0.000 χ^2/NDF: 102.9/81



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:2660632.2/22

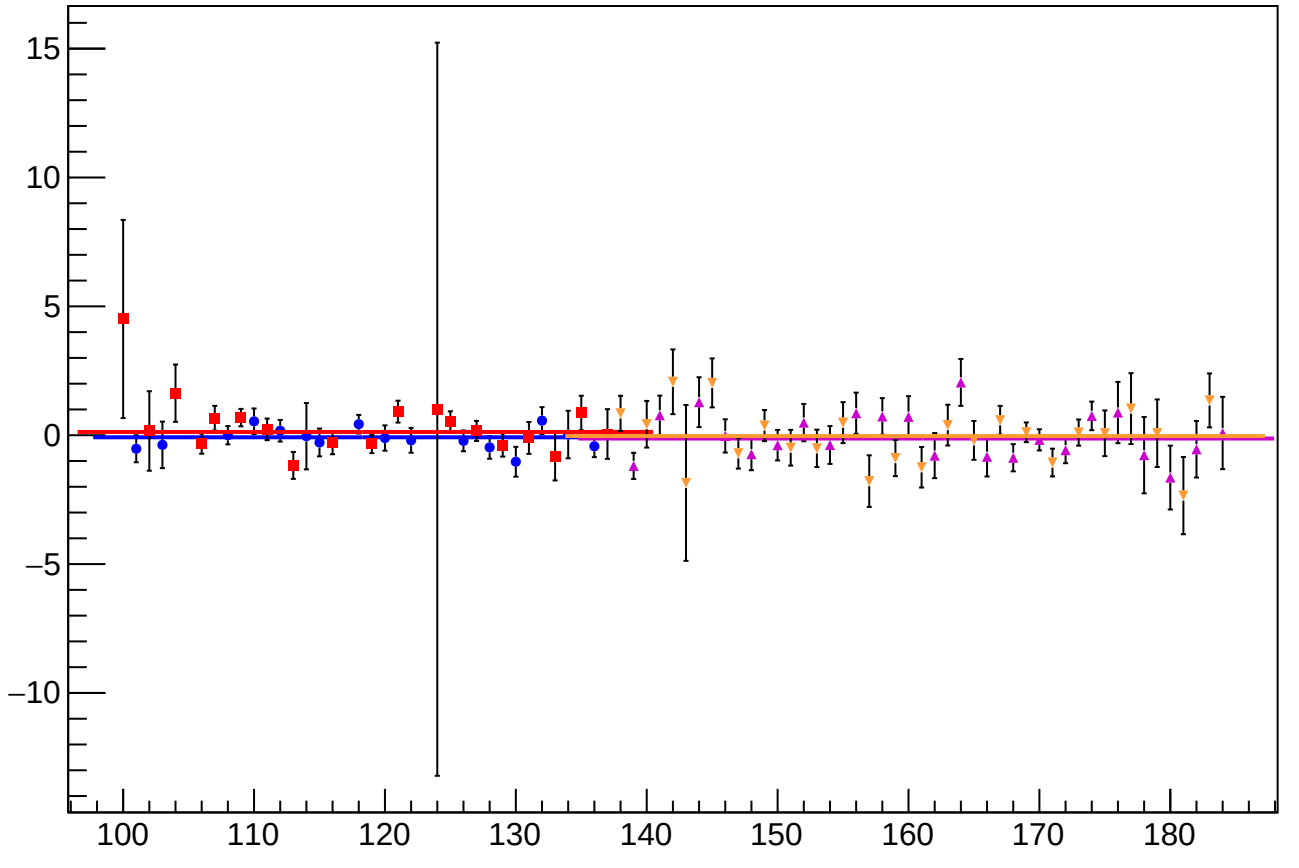
Left: 0.000+/-0.000 χ^2/NDF: 4997127.3/46

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:4581943.0/38

Out: 0.000+/-0.000 χ^2/NDF:4343758.8/42

All: 0.000+/-0.000 χ^2/NDF: 8931101.4/81



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: -0.128+/-0.145 χ^2/NDF:29.0/22

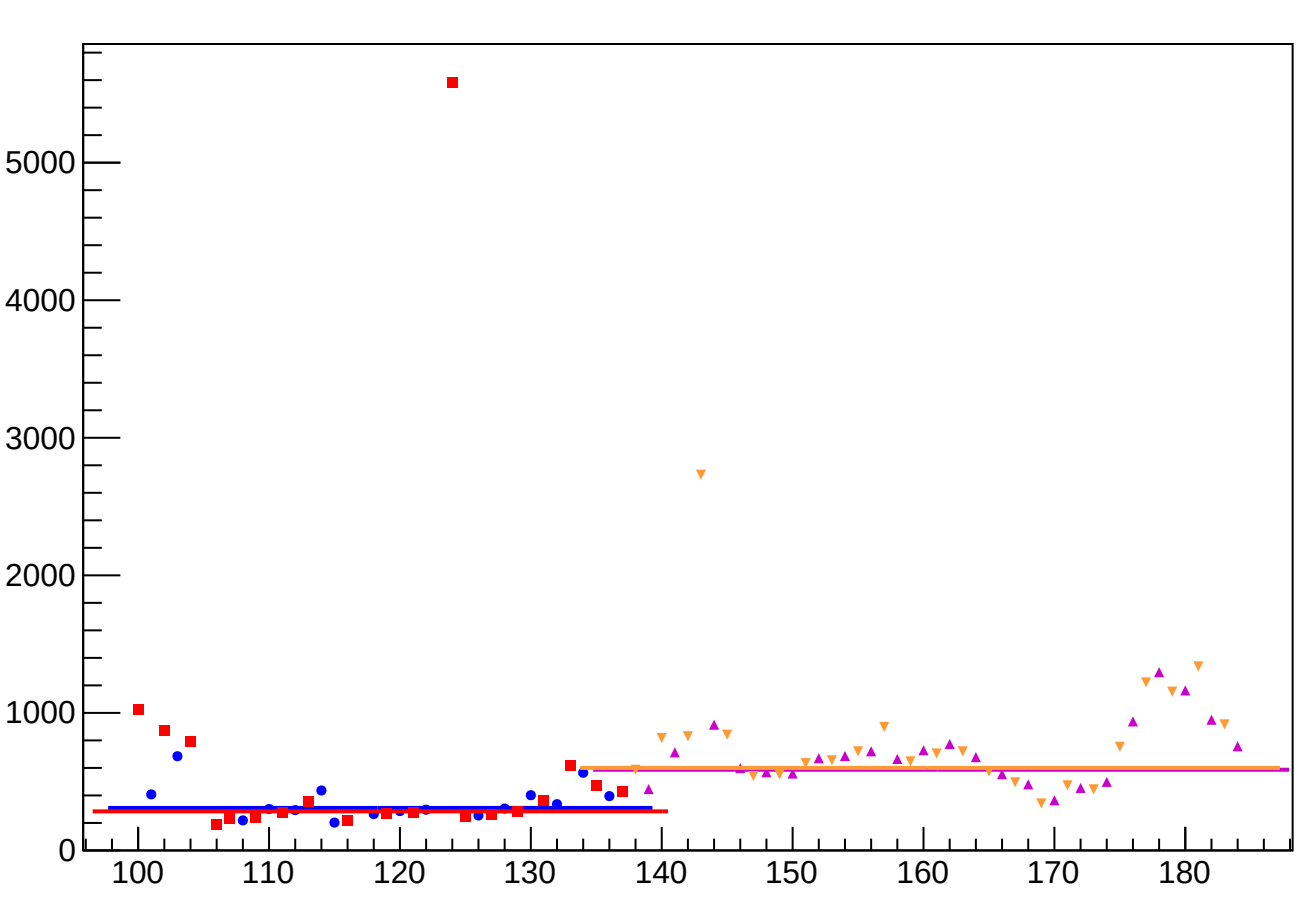
Left: -0.082+/-0.104 χ^2/NDF: 59.1/46

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.100+/-0.093 χ^2/NDF:39.9/38

Out: 0.066+/-0.092 χ^2/NDF:55.9/42

All: -0.016+/-0.065 χ^2/NDF: 97.3/81



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: 586.817+/-0.103 χ^2/NDF:2934488.2/22

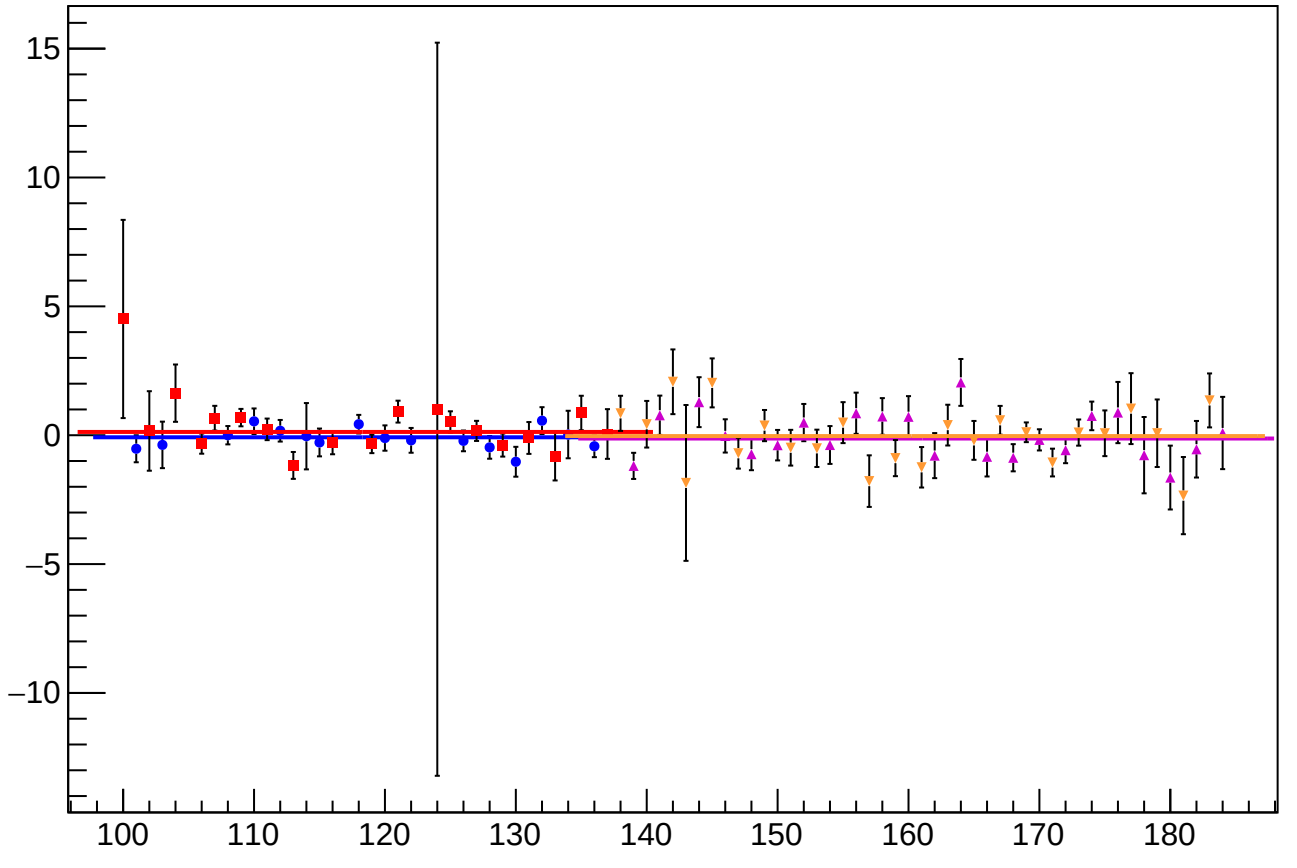
Left: 593.212+/-0.073 χ^2/NDF: 7387874.7/46

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 423.875+/-0.066 χ^2/NDF:8241985.1/38

Out: 405.174+/-0.065 χ^2/NDF:11890787.5/42

All: 414.370+/-0.046 χ^2/NDF: 20173572.1/81



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: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.082+/-0.104 χ^2/NDF: 59.1/46

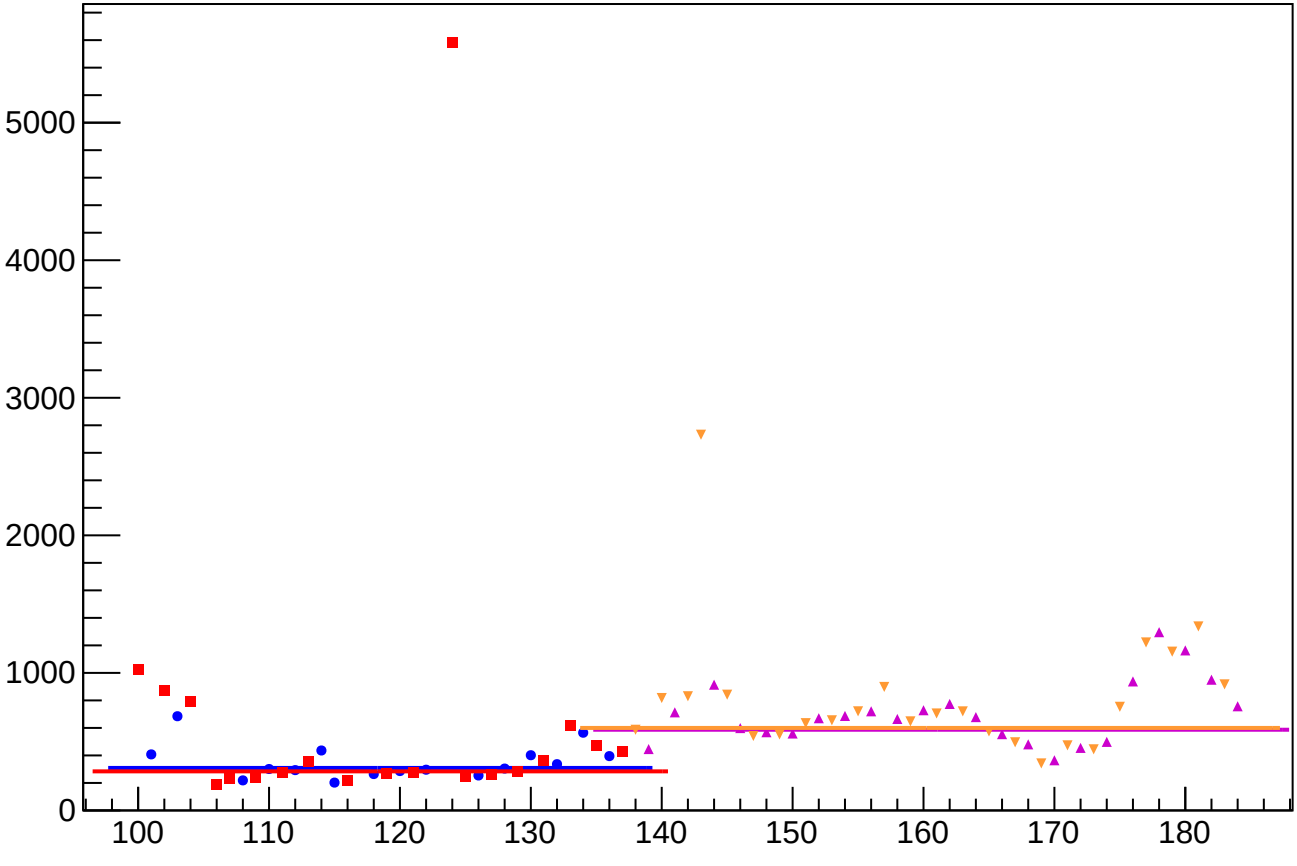
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.100+/-0.093 χ^2/NDF:39.9/38

Out: 0.066+/-0.092 χ^2/NDF:55.9/42

All: -0.016+/-0.065 χ^2/NDF: 97.3/81

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 586.817+/-0.103 χ^2/NDF:2934488.2/22

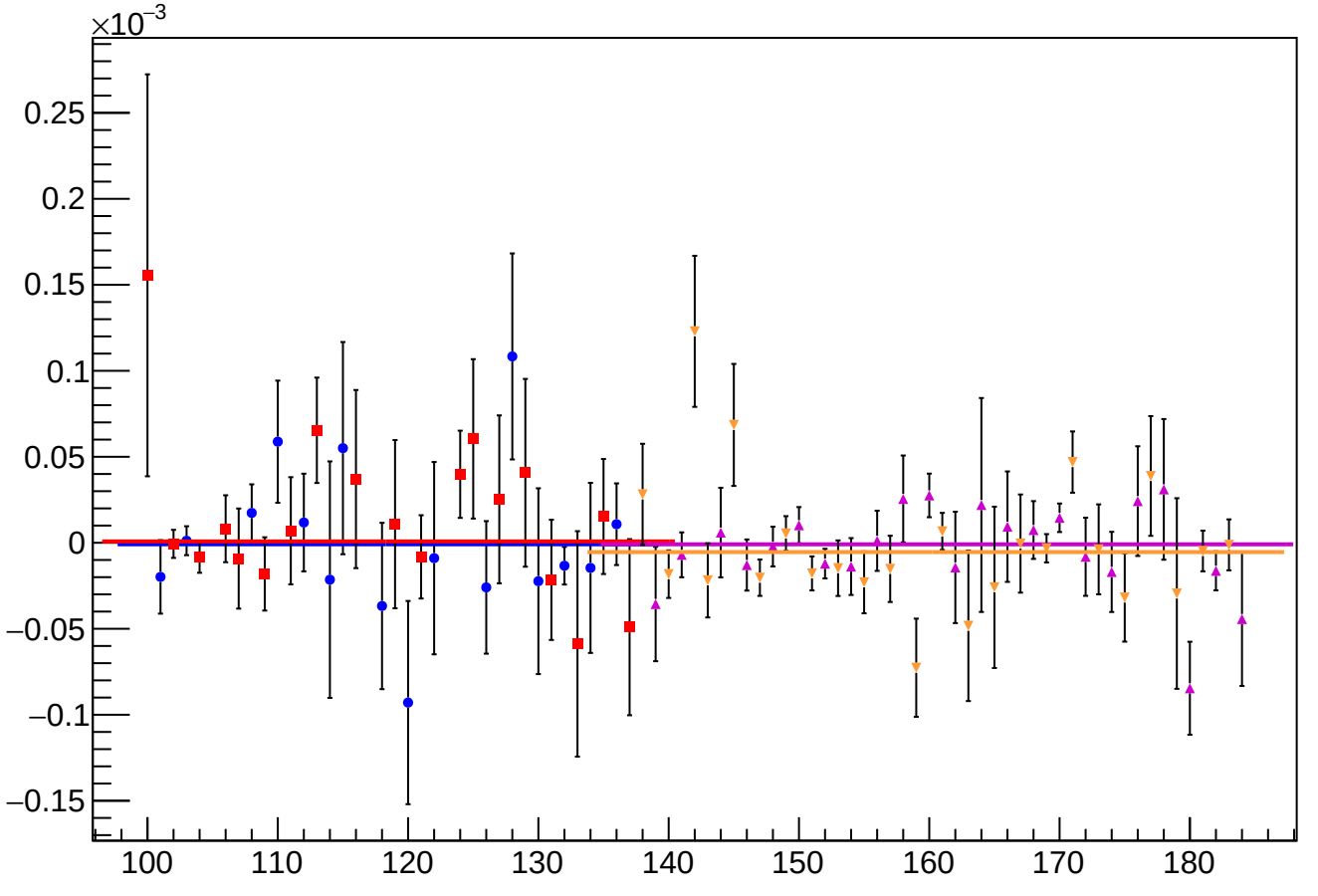
Left: 593.212+/-0.073 χ^2/NDF: 7387874.7/46

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 423.875+/-0.066 χ^2/NDF:8241985.1/38

Out: 405.174+/-0.065 χ^2/NDF:11890787.5/42

All: 414.370+/-0.046 χ^2/NDF: 20173572.1/81



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

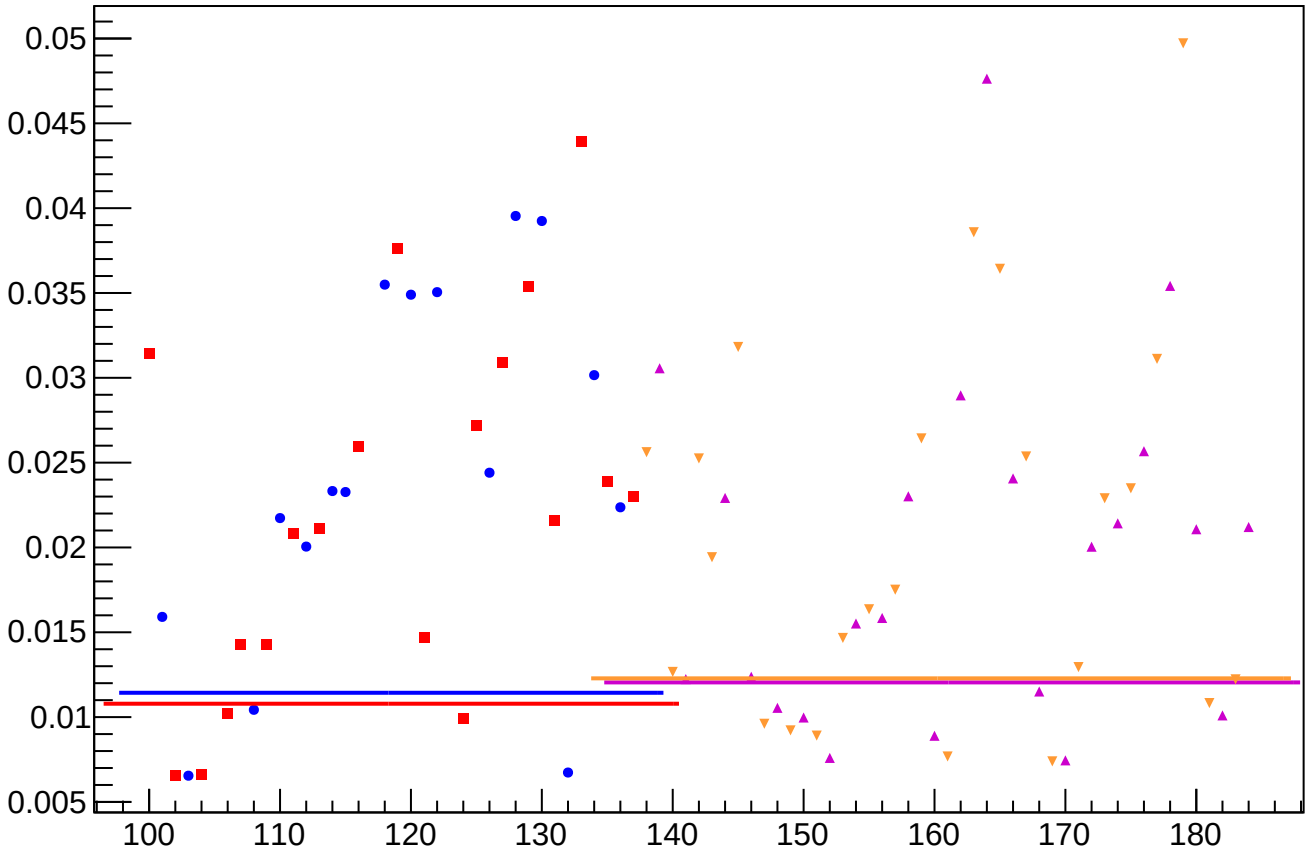
Left: -0.000+/-0.000 χ^2/NDF: 72.7/46

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:44.7/38

Out: -0.000+/-0.000 χ^2/NDF:58.8/42

All: -0.000+/-0.000 χ^2/NDF: 103.9/81



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:6379401.9/22

Left: 0.012+/-0.000 χ^2/NDF: 14113863.1/46

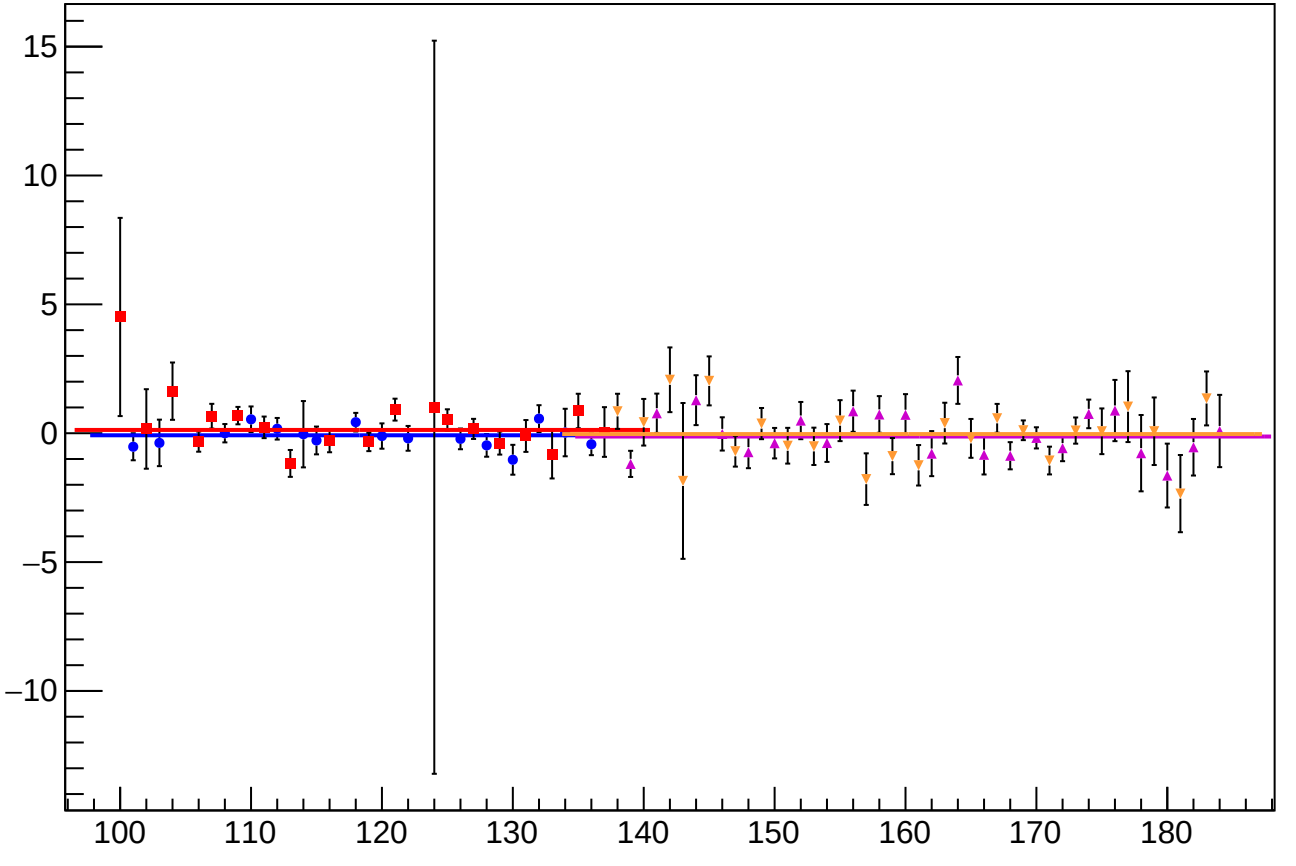
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:11098428.6/38

Out: 0.012+/-0.000 χ^2/NDF:12334157.5/42

All: 0.012+/-0.000 χ^2/NDF: 23433032.4/81

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.033+/-0.148 χ^2/NDF:29.9/23

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

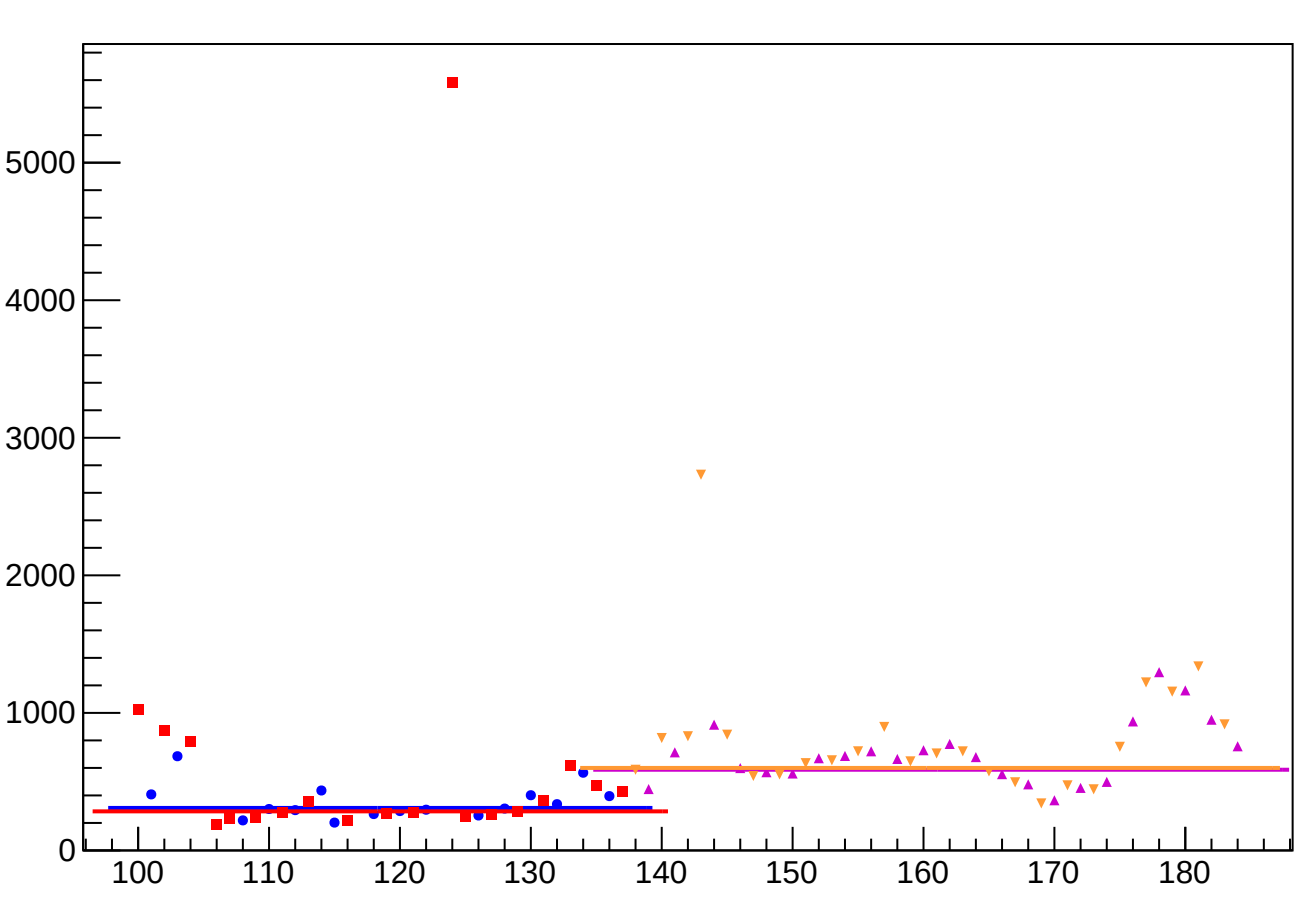
Left: -0.082+/-0.104 χ^2/NDF: 59.1/46

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.100+/-0.093 χ^2/NDF:39.9/38

Out: 0.066+/-0.092 χ^2/NDF:55.9/42

All: -0.016+/-0.065 χ^2/NDF: 97.3/81



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: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.213+/-0.073 χ^2/NDF: 7388198.3/46

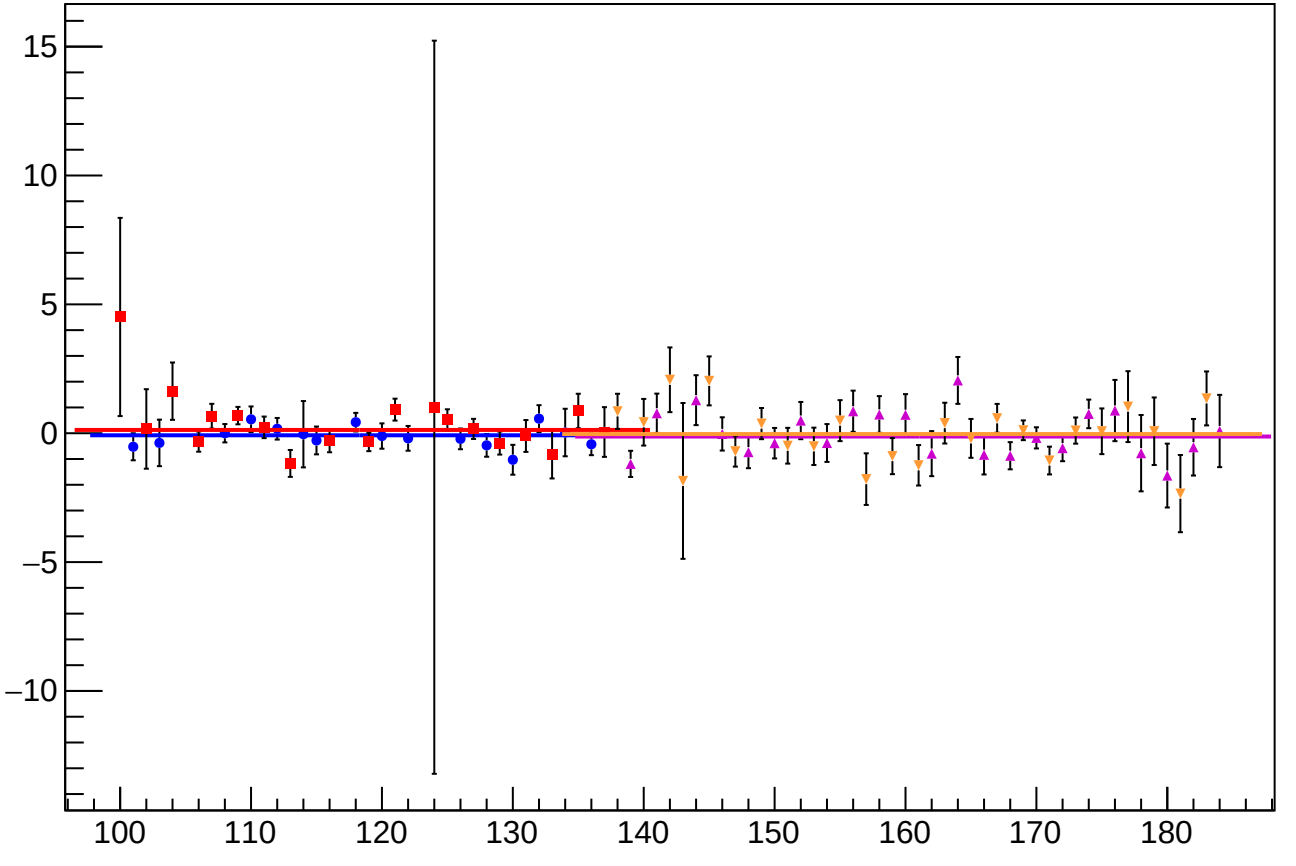
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 423.875+/-0.066 χ^2/NDF:8242166.1/38

Out: 405.173+/-0.065 χ^2/NDF:11890989.4/42

All: 414.369+/-0.046 χ^2/NDF: 20173957.8/81

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.033+/-0.148 χ^2/NDF:29.9/23

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.082+/-0.104 χ^2/NDF: 59.1/46

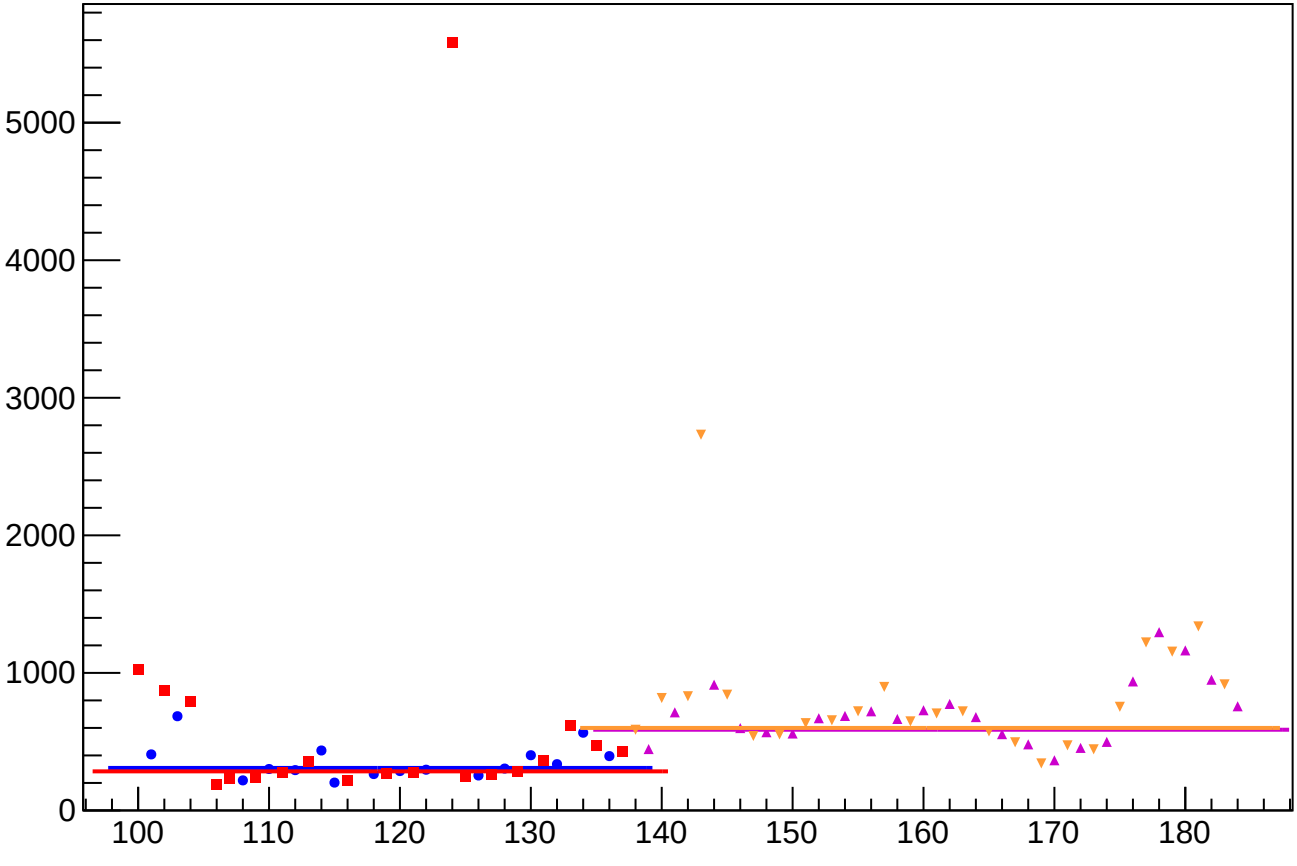
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.100+/-0.093 χ^2/NDF:39.9/38

Out: 0.066+/-0.092 χ^2/NDF:55.9/42

All: -0.016+/-0.065 χ^2/NDF: 97.3/81

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: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.213+/-0.073 χ^2/NDF: 7388198.3/46

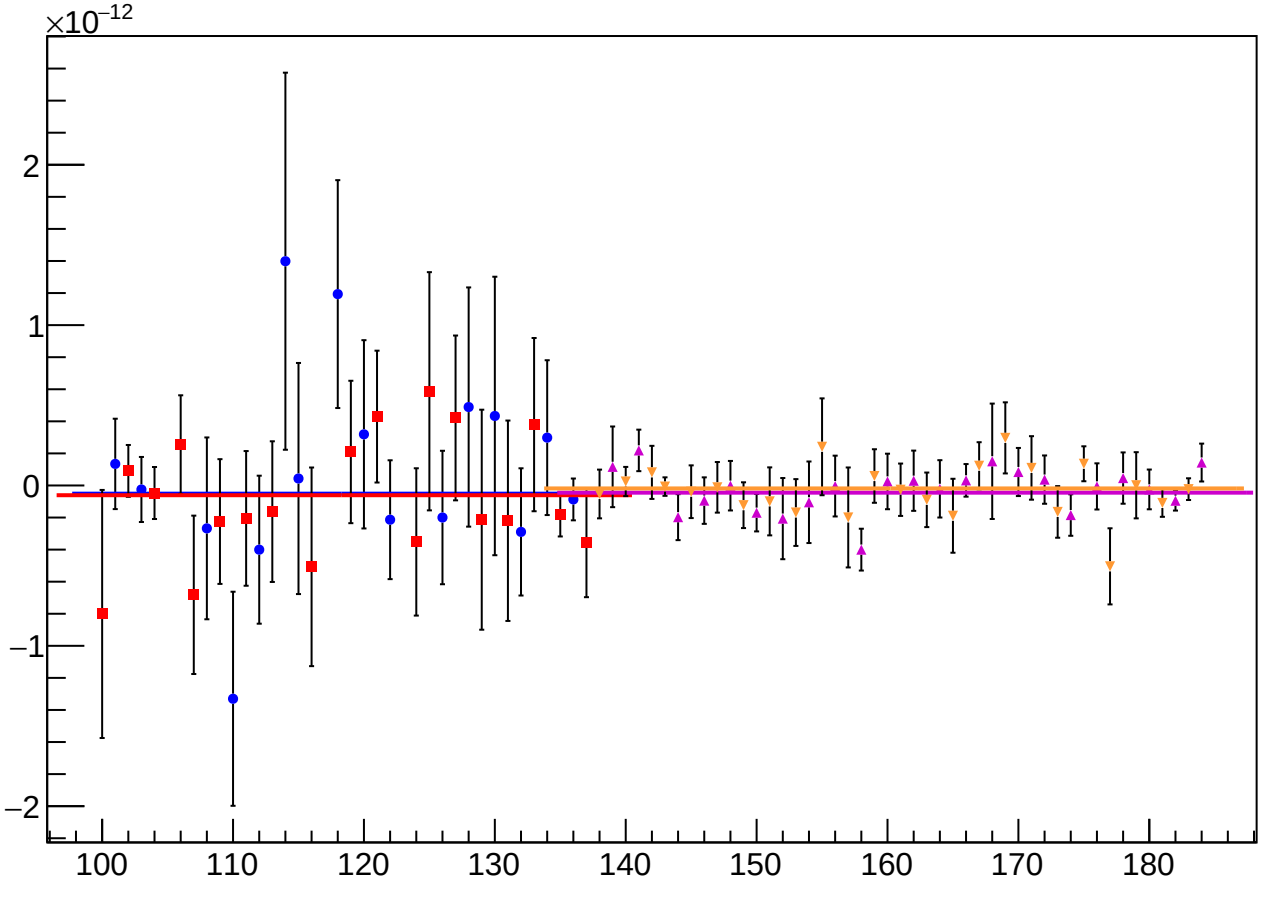
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 423.875+/-0.066 χ^2/NDF:8242166.1/38

Out: 405.173+/-0.065 χ^2/NDF:11890989.4/42

All: 414.369+/-0.046 χ^2/NDF: 20173957.8/81

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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:22.0/22

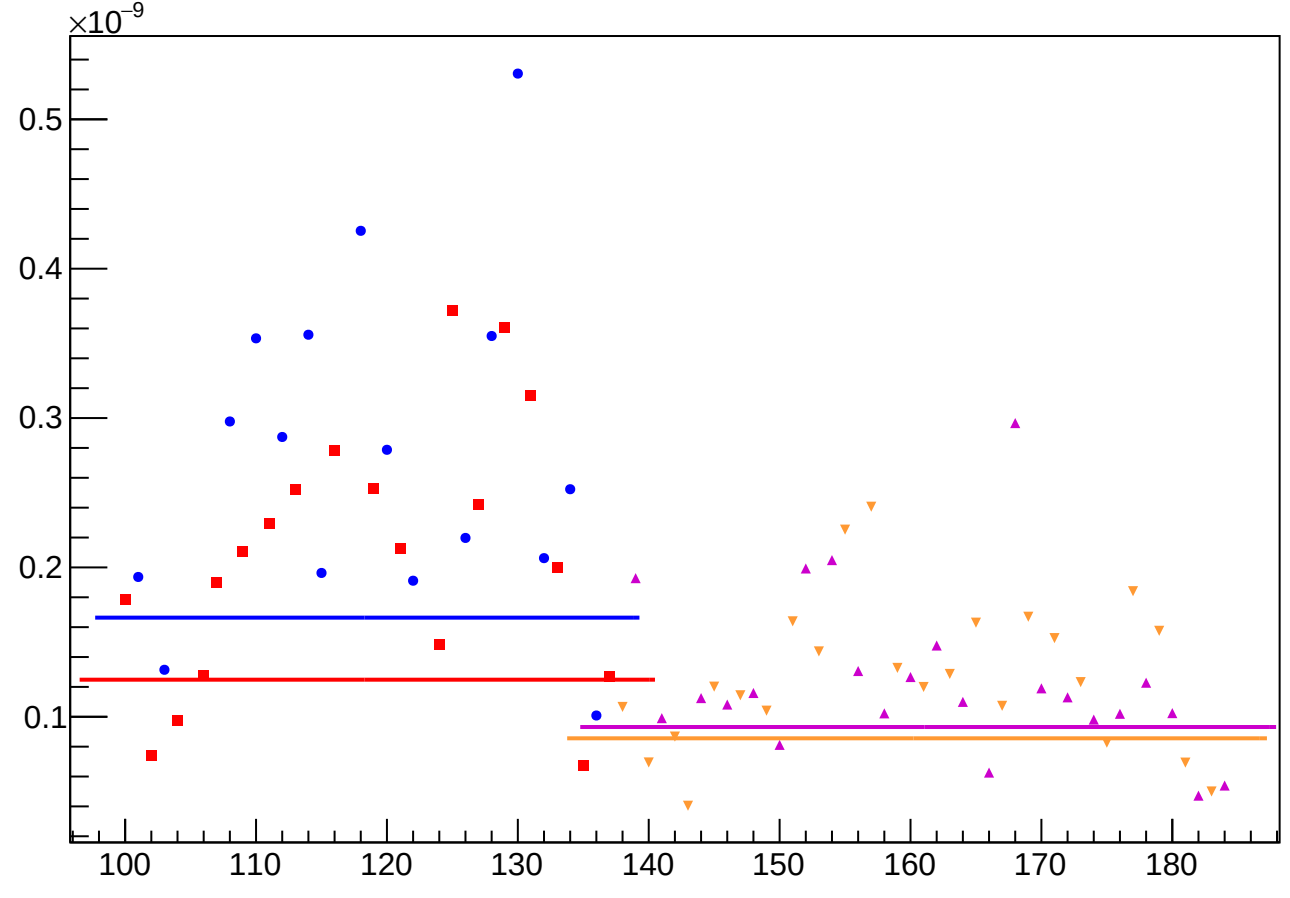
Left: -0.000+/-0.000 χ^2/NDF: 37.8/46

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:33.9/38

Out: -0.000+/-0.000 χ^2/NDF:27.2/42

All: -0.000+/-0.000 χ^2/NDF: 61.5/81



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:3869234.9/22

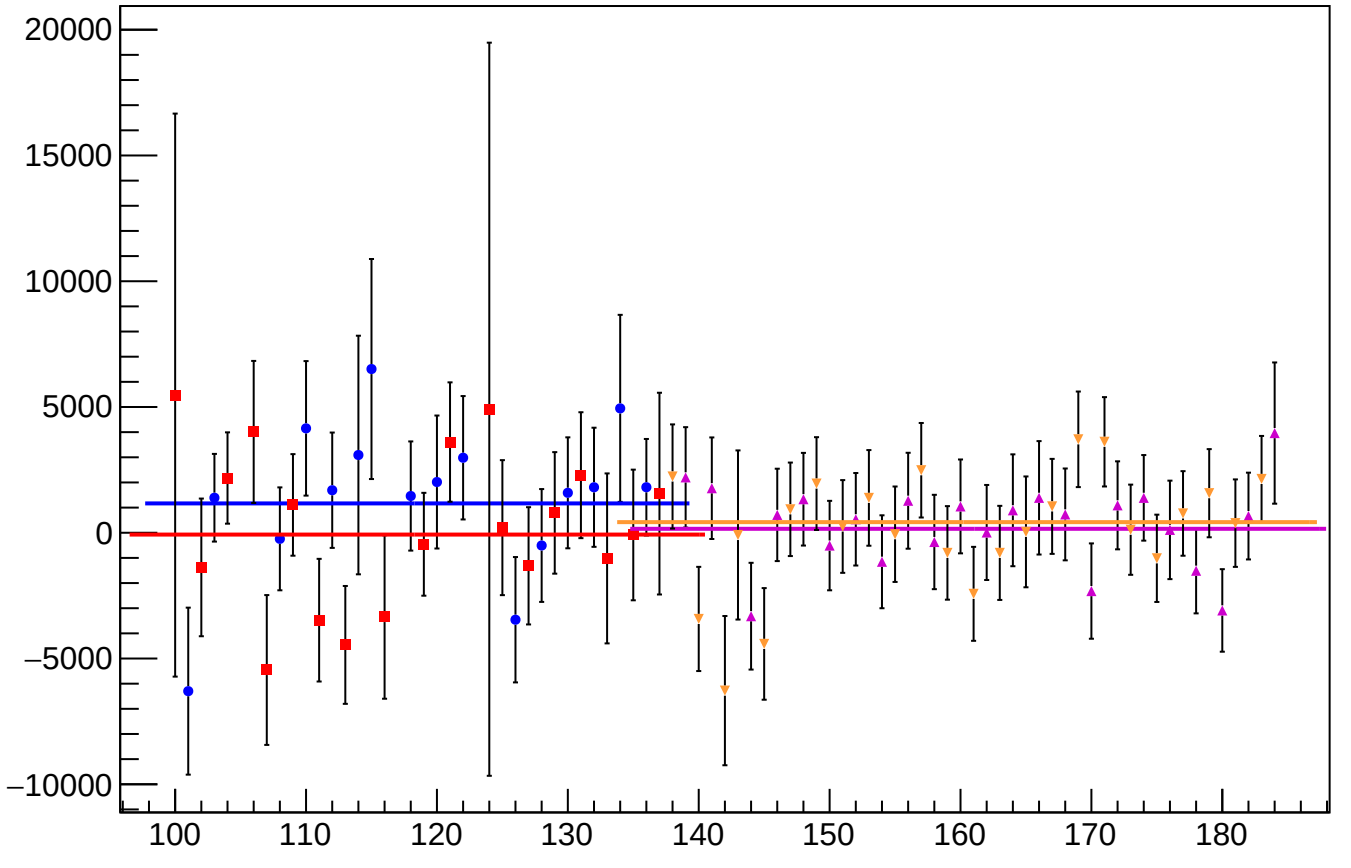
Left: 0.000+/-0.000 χ^2/NDF: 9278232.8/46

Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:7203725.3/38

Out: 0.000+/-0.000 χ^2/NDF:8092203.4/42

All: 0.000+/-0.000 χ^2/NDF: 15448744.5/81



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 422.532+/-391.507 χ^2/NDF:28.2/23

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 290.709+/-277.805 χ^2/NDF: 44.4/46

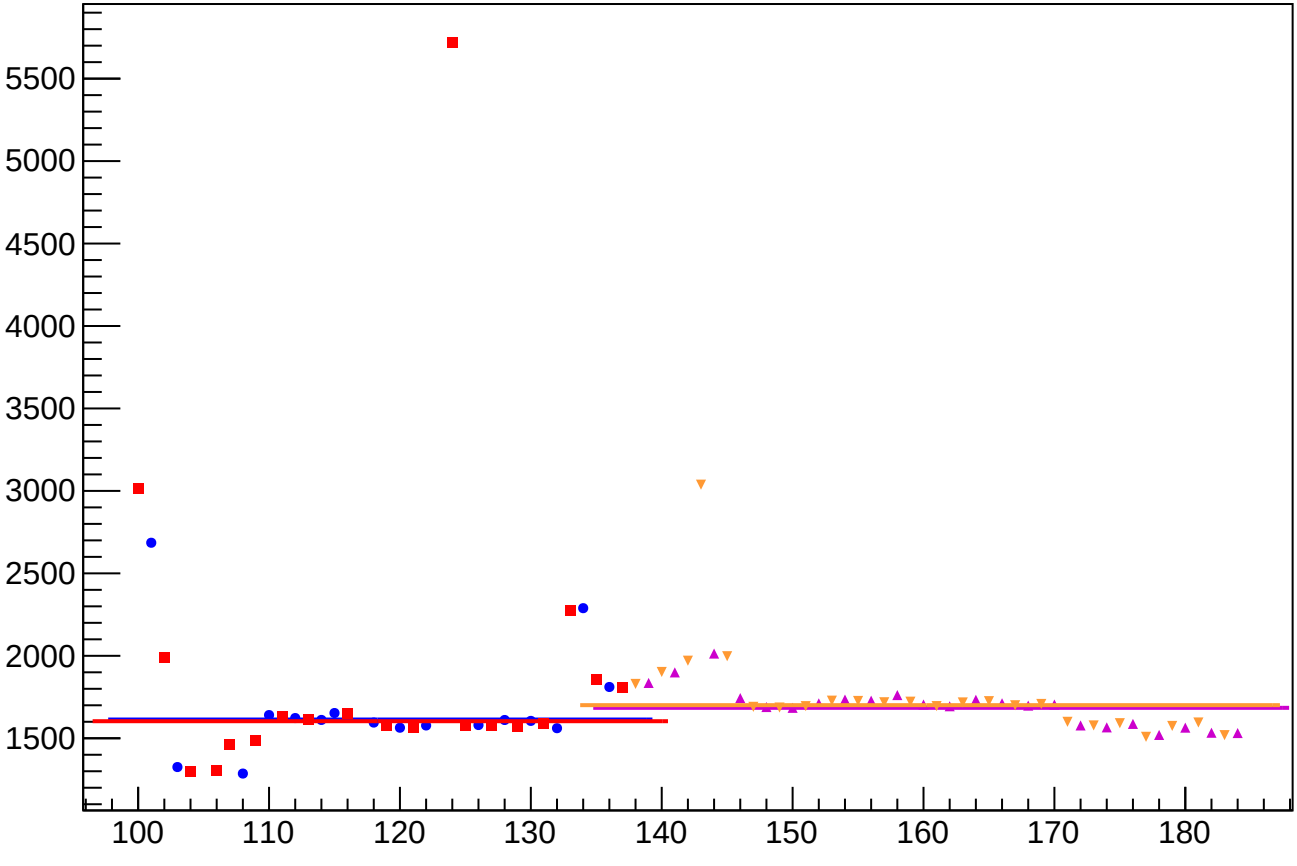
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 455.146+/-330.985 χ^2/NDF:32.4/38

Out: 275.953+/-328.425 χ^2/NDF:46.9/42

All: 364.854+/-233.131 χ^2/NDF: 79.5/81

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: 1684.577+/-0.279 χ^2/NDF:165355.7/22

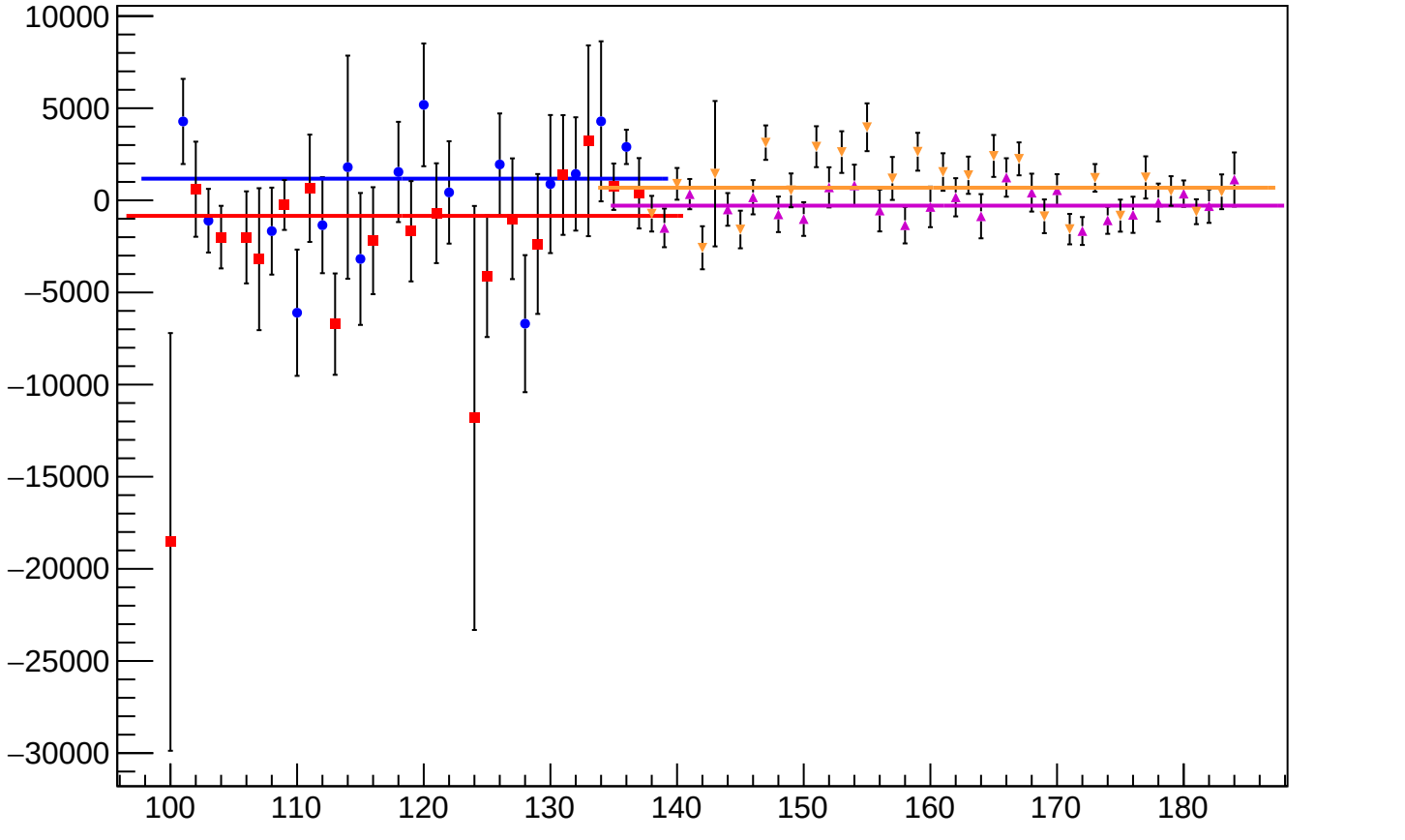
Left: 1692.742+/-0.196 χ^2/NDF: 654189.9/46

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1663.645+/-0.234 χ^2/NDF:589140.1/38

Out: 1671.956+/-0.232 χ^2/NDF:949547.4/42

All: 1667.833+/-0.165 χ^2/NDF: 1539322.9/81



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: -288.616+/-198.494 χ^2/NDF:16.6/22

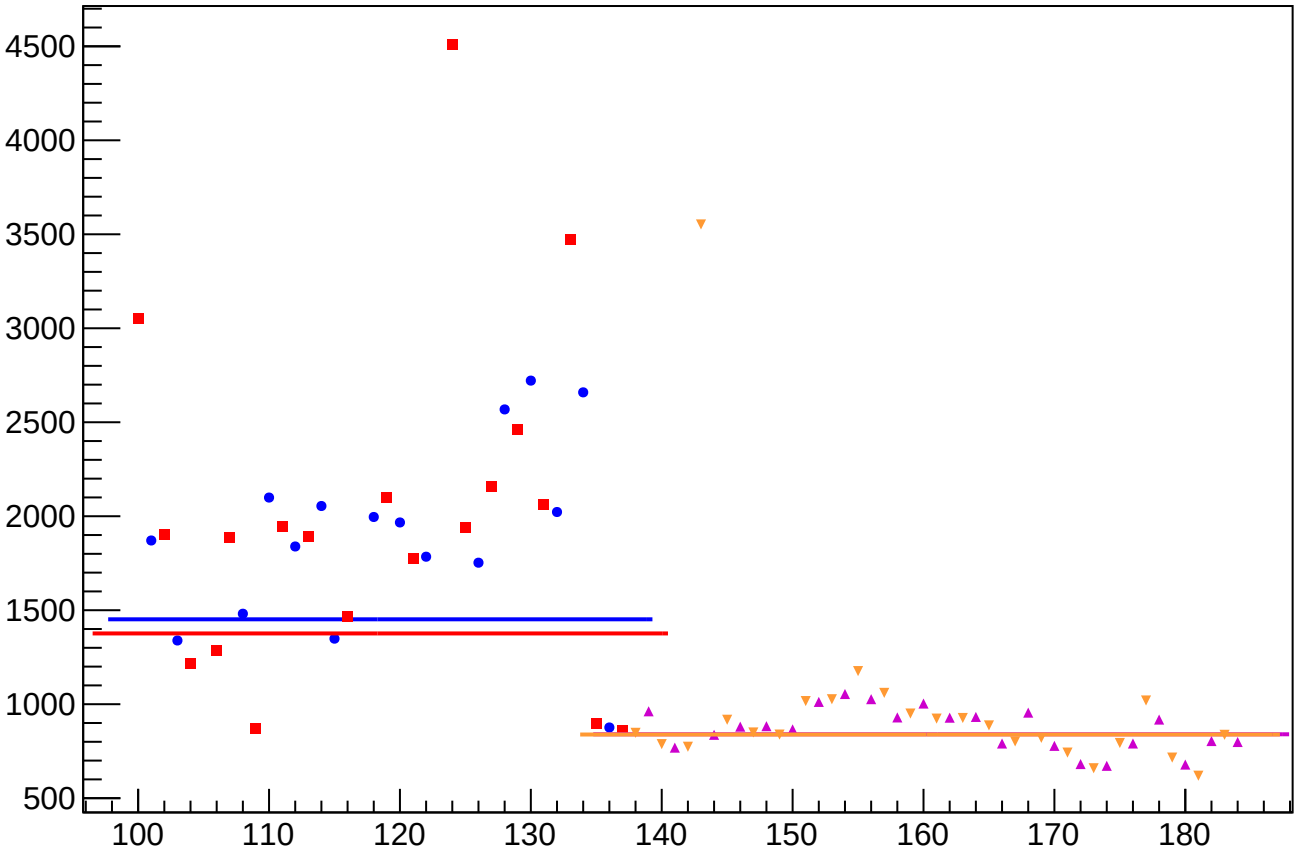
Left: 201.493+/-139.888 χ^2/NDF: 92.0/46

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

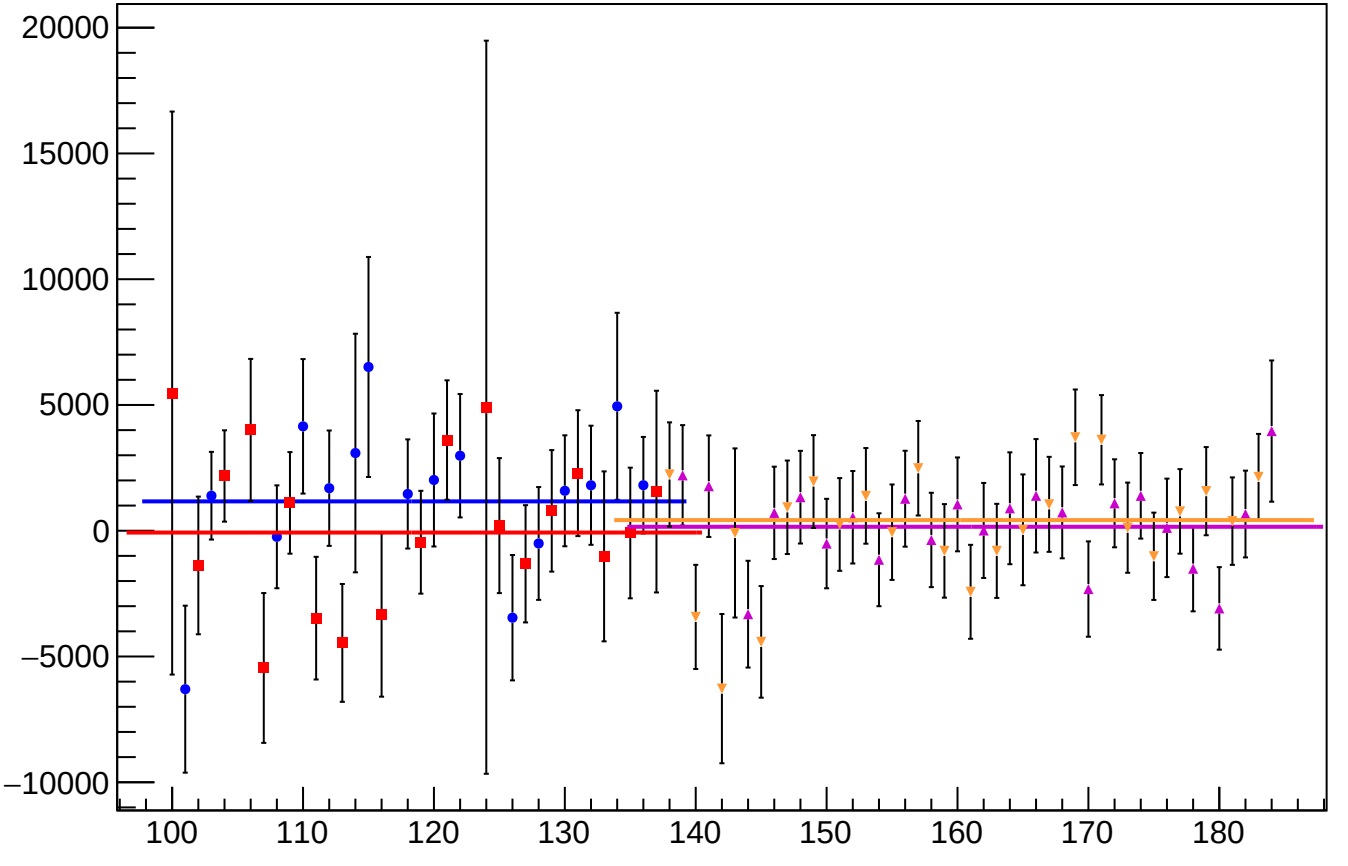
In: -134.671+/-187.769 χ^2/NDF:44.3/38

Out: 515.087+/-185.889 χ^2/NDF:84.3/42

All: 193.476+/-132.103 χ^2/NDF: 134.6/81


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: 839.976+/-0.140 χ²/NDF:669341.7/22
Left: 839.349+/-0.099 χ²/NDF: 2468821.4/46
Right: 1412.621+/-0.284 χ²/NDF: 3940379.2/34
In: 904.290+/-0.133 χ²/NDF:4457027.6/38
Out: 898.529+/-0.131 χ²/NDF:5585670.3/42
All: 901.380+/-0.093 χ²/NDF: 10043648.7/81

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: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 290.626+/-277.805 χ^2/NDF: 44.4/46

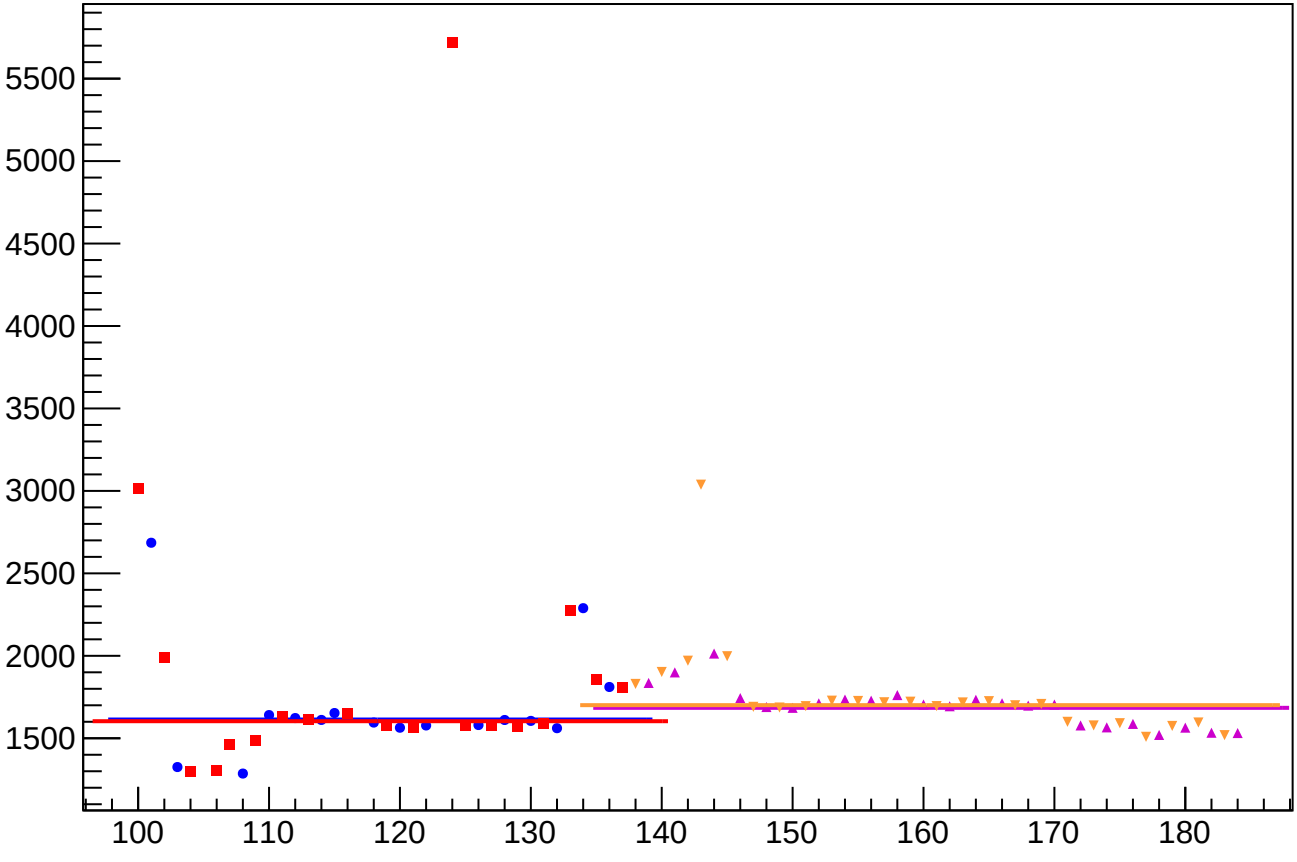
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 455.052+/-330.985 χ^2/NDF:32.4/38

Out: 275.807+/-328.425 χ^2/NDF:46.9/42

All: 364.734+/-233.131 χ^2/NDF: 79.5/81

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: 1684.577+/-0.279 χ^2/NDF:165355.7/22

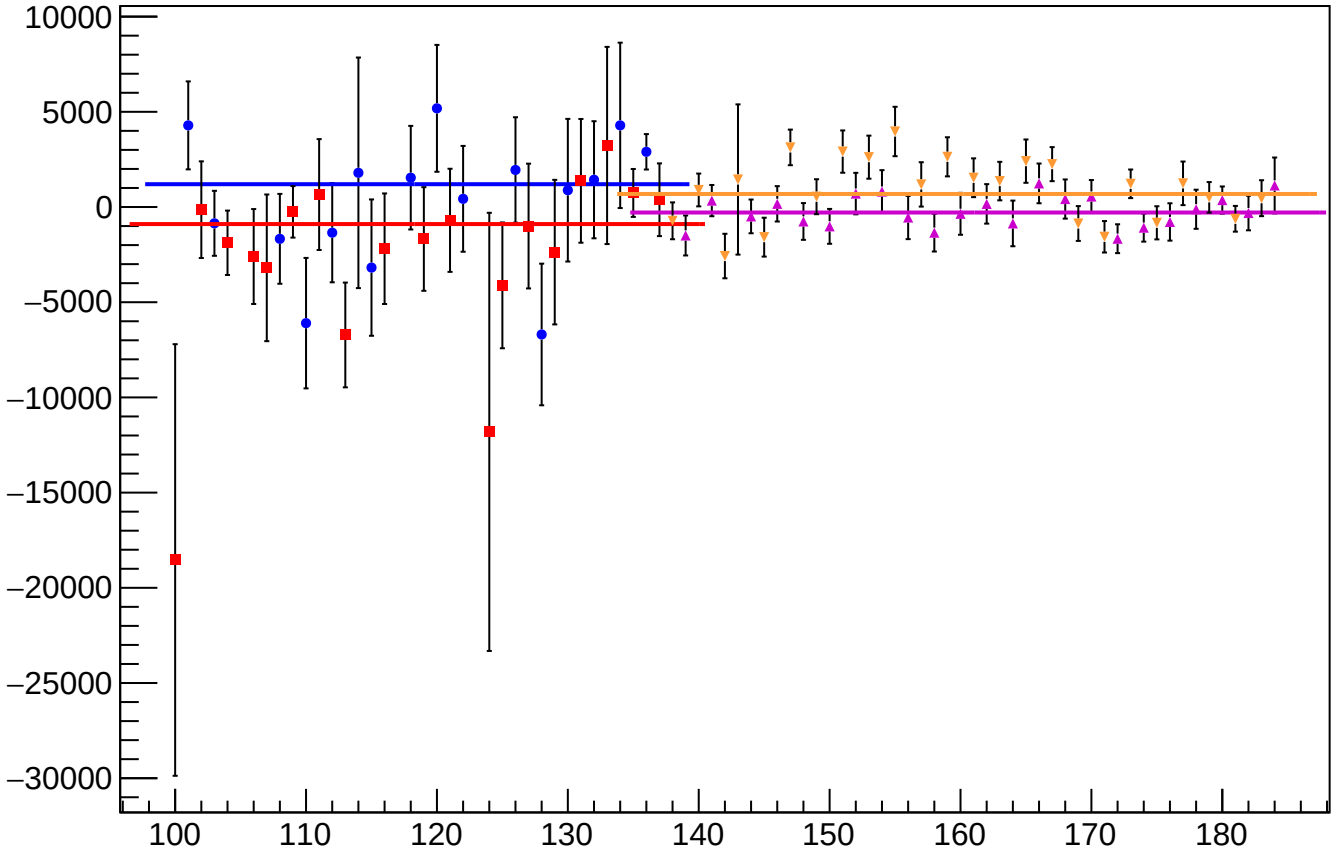
Left: 1692.742+/-0.196 χ^2/NDF: 654189.8/46

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1663.645+/-0.234 χ^2/NDF:589140.4/38

Out: 1671.956+/-0.232 χ^2/NDF:949547.5/42

All: 1667.833+/-0.165 χ^2/NDF: 1539323.3/81



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: -288.602+/-198.495 χ^2/NDF:16.6/22

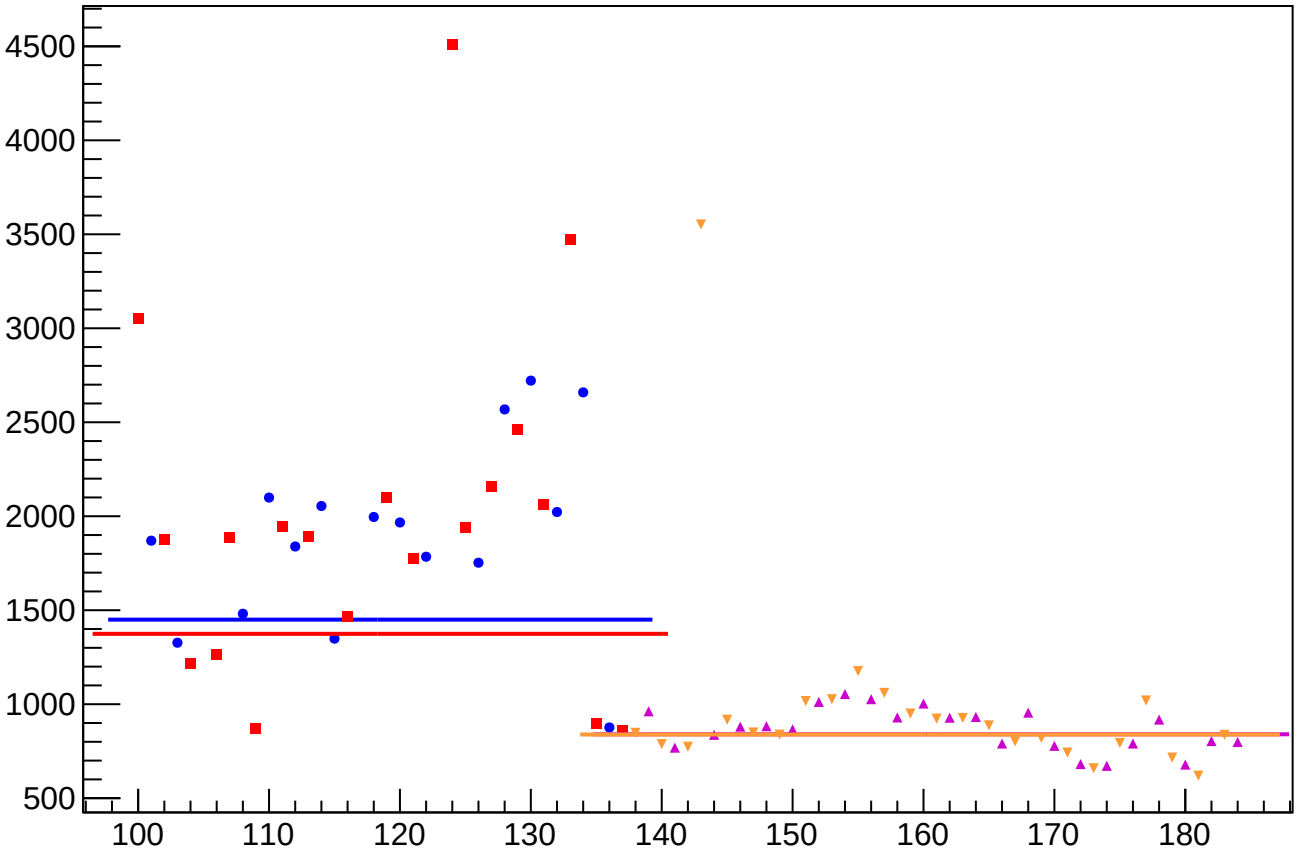
Left: 201.497+/-139.889 χ^2/NDF: 92.0/46

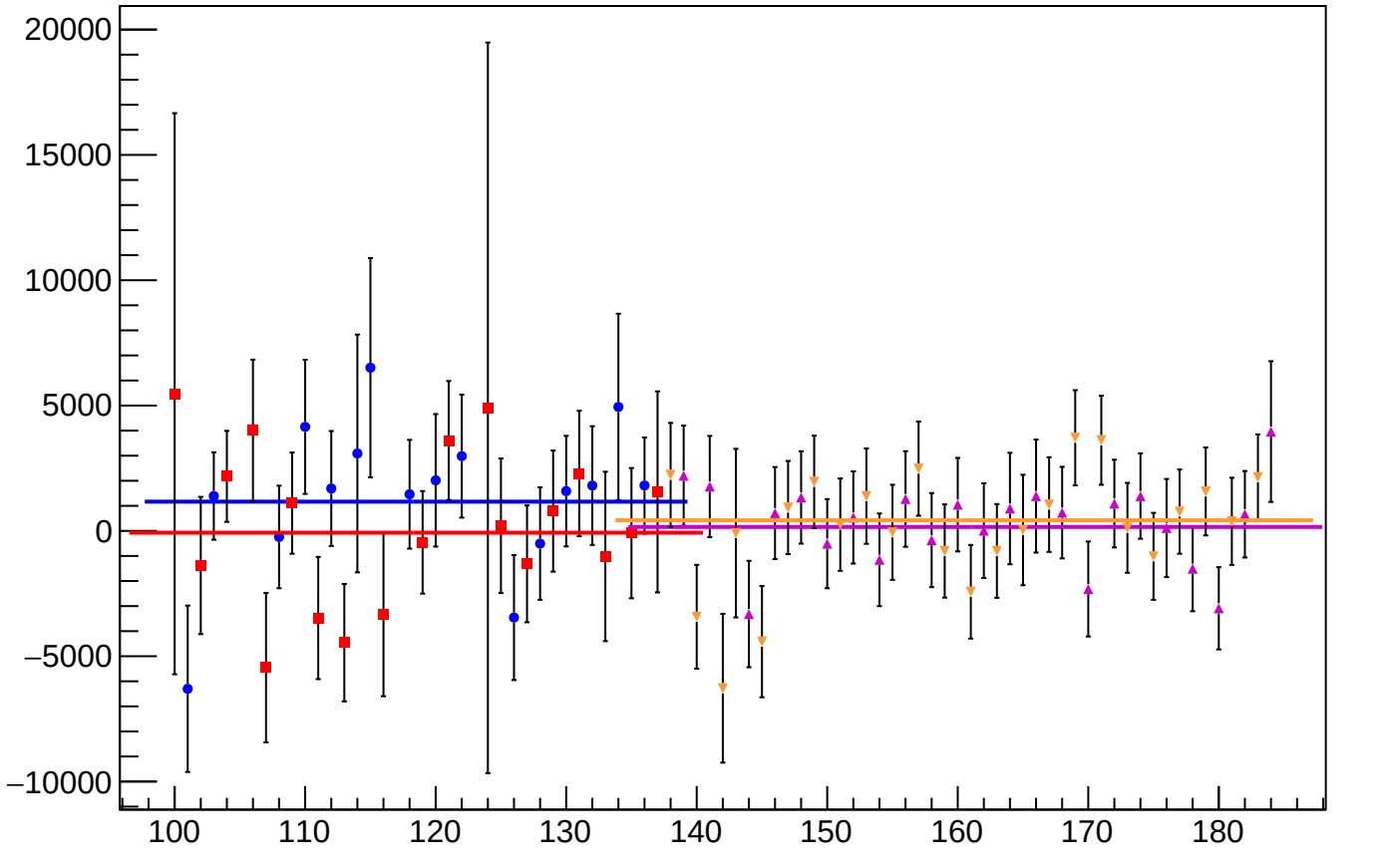
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

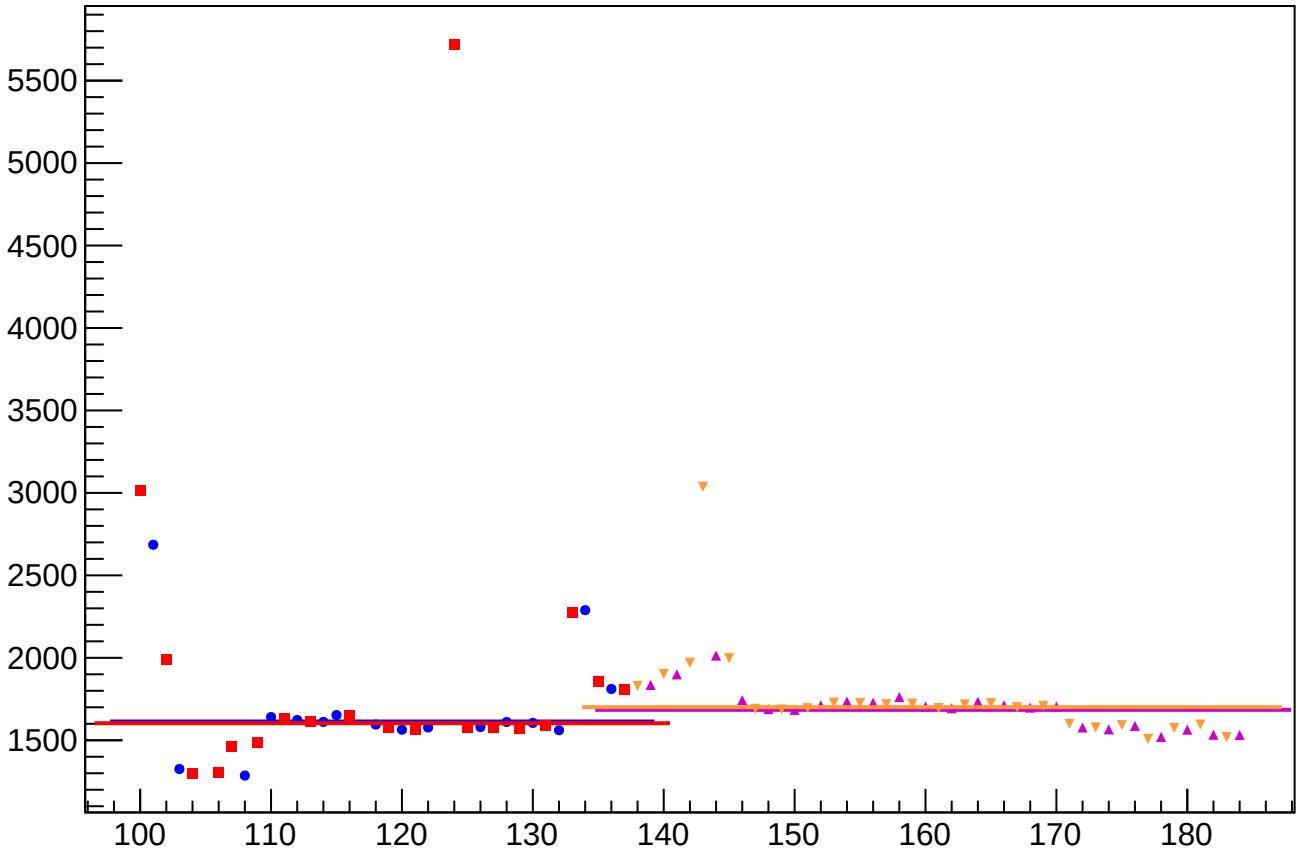
In: -131.856+/-187.741 χ^2/NDF:44.1/38

Out: 508.914+/-185.863 χ^2/NDF:84.7/42

All: 191.751+/-132.084 χ^2/NDF: 134.7/81


asym_at2_dd_cor_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: 1449.939+/-0.409 χ²/NDF: 1792673.2/15
Left Out: 838.742+/-0.139 χ²/NDF:1799332.4/23
Right Out: 1374.438+/-0.394 χ²/NDF: 2127695.6/18
Left In: 839.978+/-0.140 χ²/NDF:669338.3/22
Left: 839.356+/-0.099 χ²/NDF: 2468709.8/46
Right: 1410.753+/-0.284 χ²/NDF: 3938065.4/34
In: 904.277+/-0.133 χ²/NDF:4452858.5/38
Out: 898.461+/-0.131 χ²/NDF:5572701.9/42
All: 901.340+/-0.093 χ²/NDF: 10026529.8/81


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: 156.934+/-394.258 χ²/NDF:16.0/22
Left: 290.626+/-277.805 χ²/NDF: 44.4/46
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 455.052+/-330.985 χ²/NDF:32.4/38
Out: 275.807+/-328.425 χ²/NDF:46.9/42
All: 364.734+/-233.131 χ²/NDF: 79.5/81



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: 1684.577+/-0.279 χ^2/NDF:165355.7/22

Left: 1692.742+/-0.196 χ^2/NDF: 654189.8/46

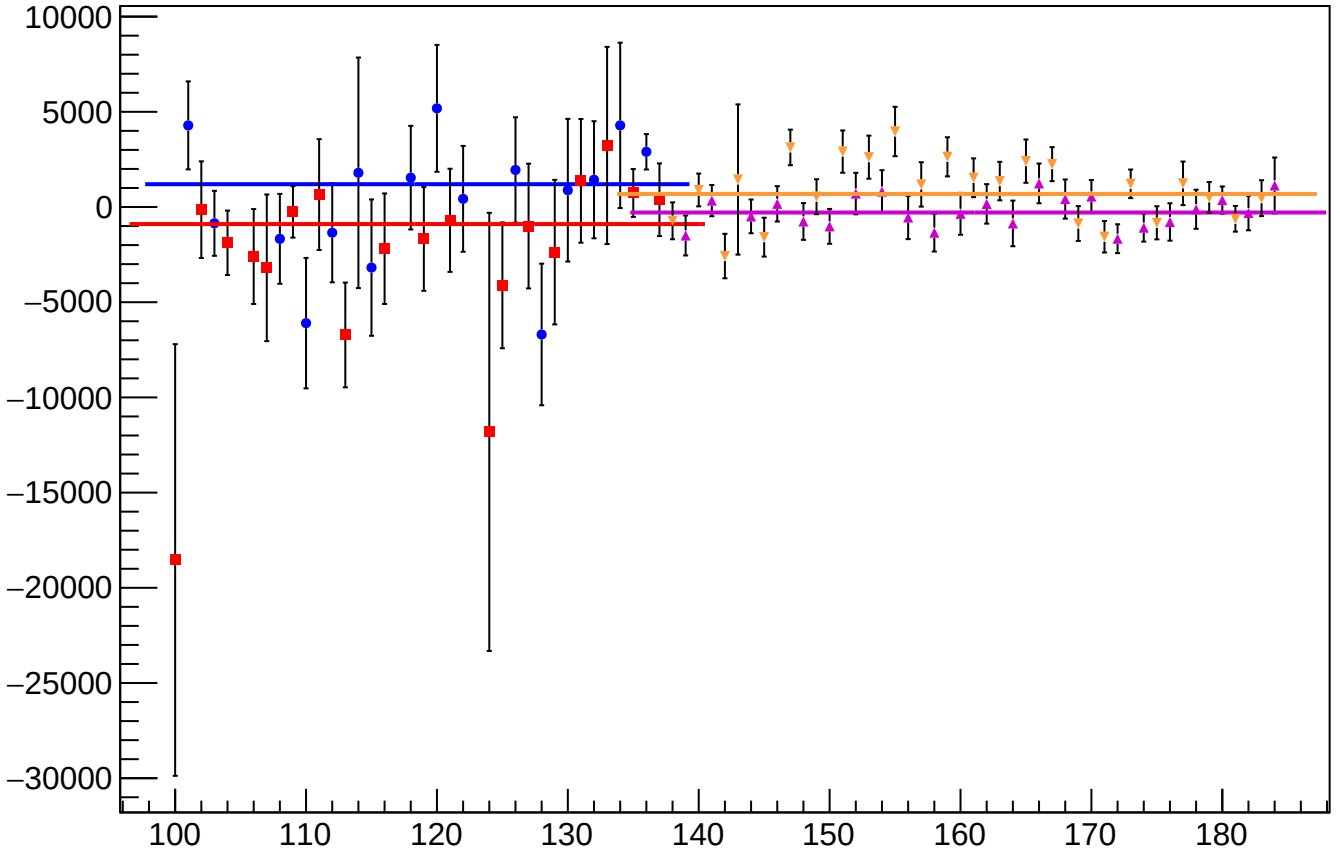
Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1663.645+/-0.234 χ^2/NDF:589140.4/38

Out: 1671.956+/-0.232 χ^2/NDF:949547.5/42

All: 1667.833+/-0.165 χ^2/NDF: 1539323.3/81

asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 685.116+/-197.178 χ^2/NDF:63.3/23

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

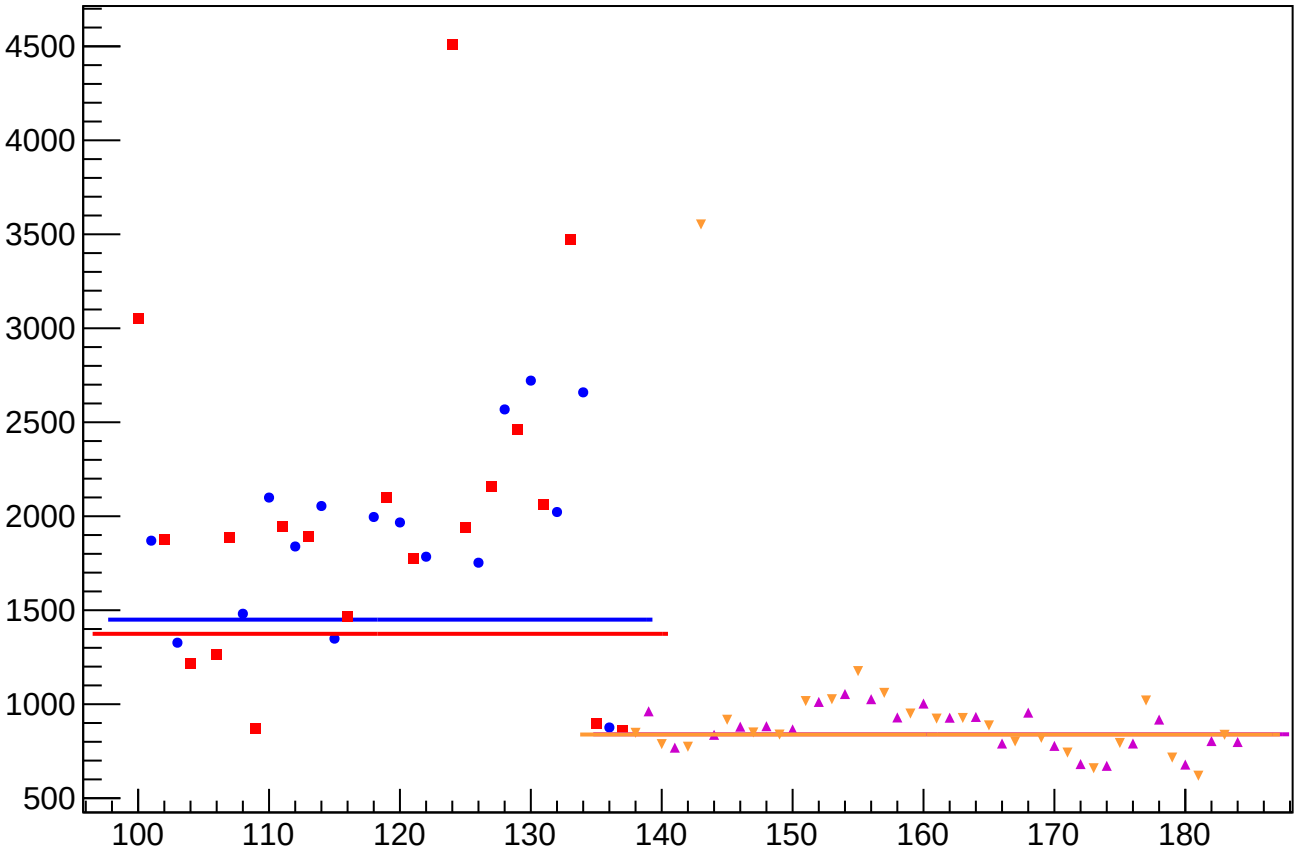
Left: 201.497+/-139.889 χ^2/NDF: 92.0/46

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -131.856+/-187.741 χ^2/NDF:44.1/38

Out: 508.914+/-185.863 χ^2/NDF:84.7/42

All: 191.751+/-132.084 χ^2/NDF: 134.7/81


asym_at2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
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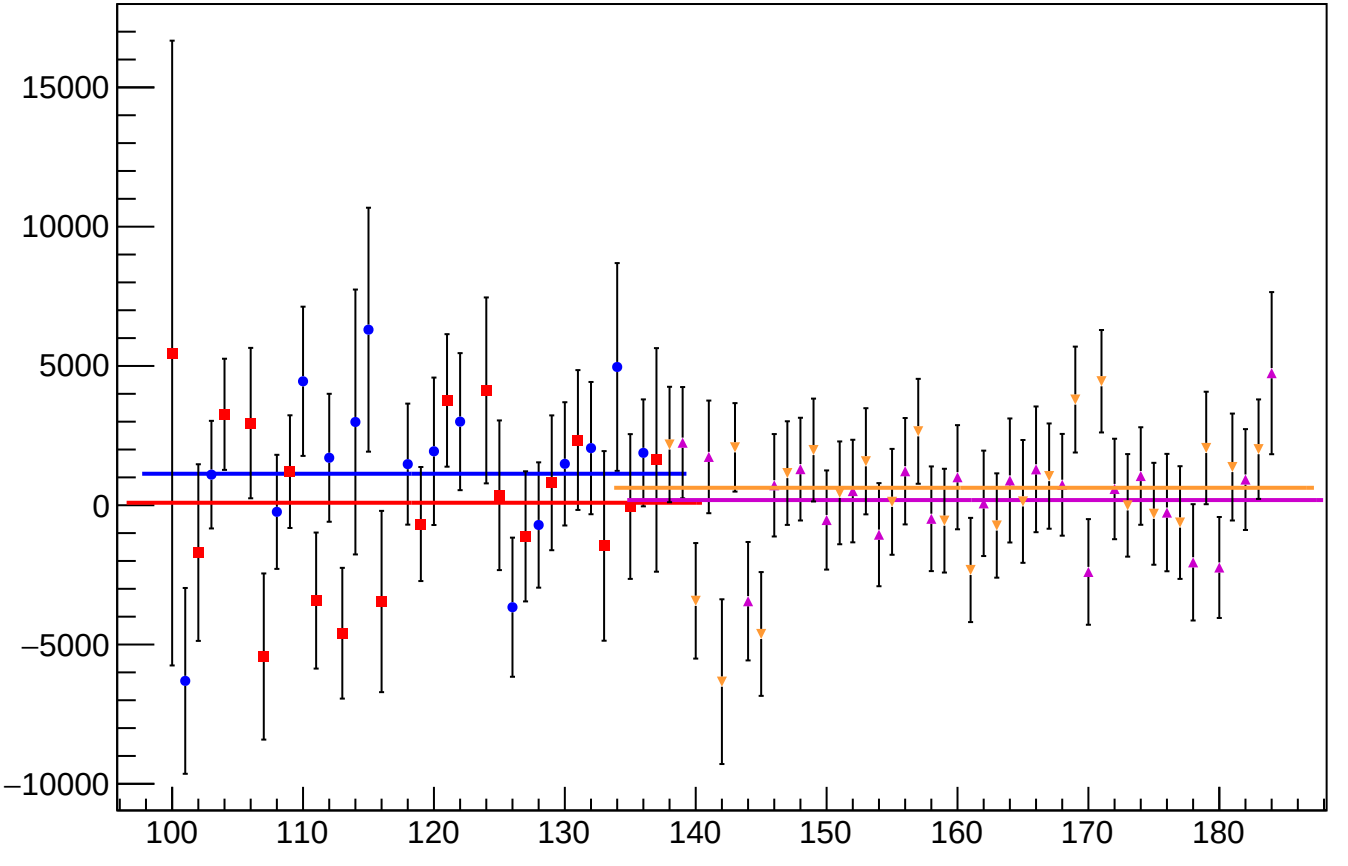
Right In: 1449.939+/-0.409 χ²/NDF: 1792673.2/15
Left Out: 838.742+/-0.139 χ²/NDF:1799332.4/23
Right Out: 1374.438+/-0.394 χ²/NDF: 2127695.6/18
Left In: 839.978+/-0.140 χ²/NDF:669338.3/22
Left: 839.356+/-0.099 χ²/NDF: 2468709.8/46
Right: 1410.753+/-0.284 χ²/NDF: 3938065.4/34
In: 904.277+/-0.133 χ²/NDF:4452858.5/38
Out: 898.461+/-0.131 χ²/NDF:5572701.9/42
All: 901.340+/-0.093 χ²/NDF: 10026529.8/81

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: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 412.329+/-281.721 χ^2/NDF: 46.1/46

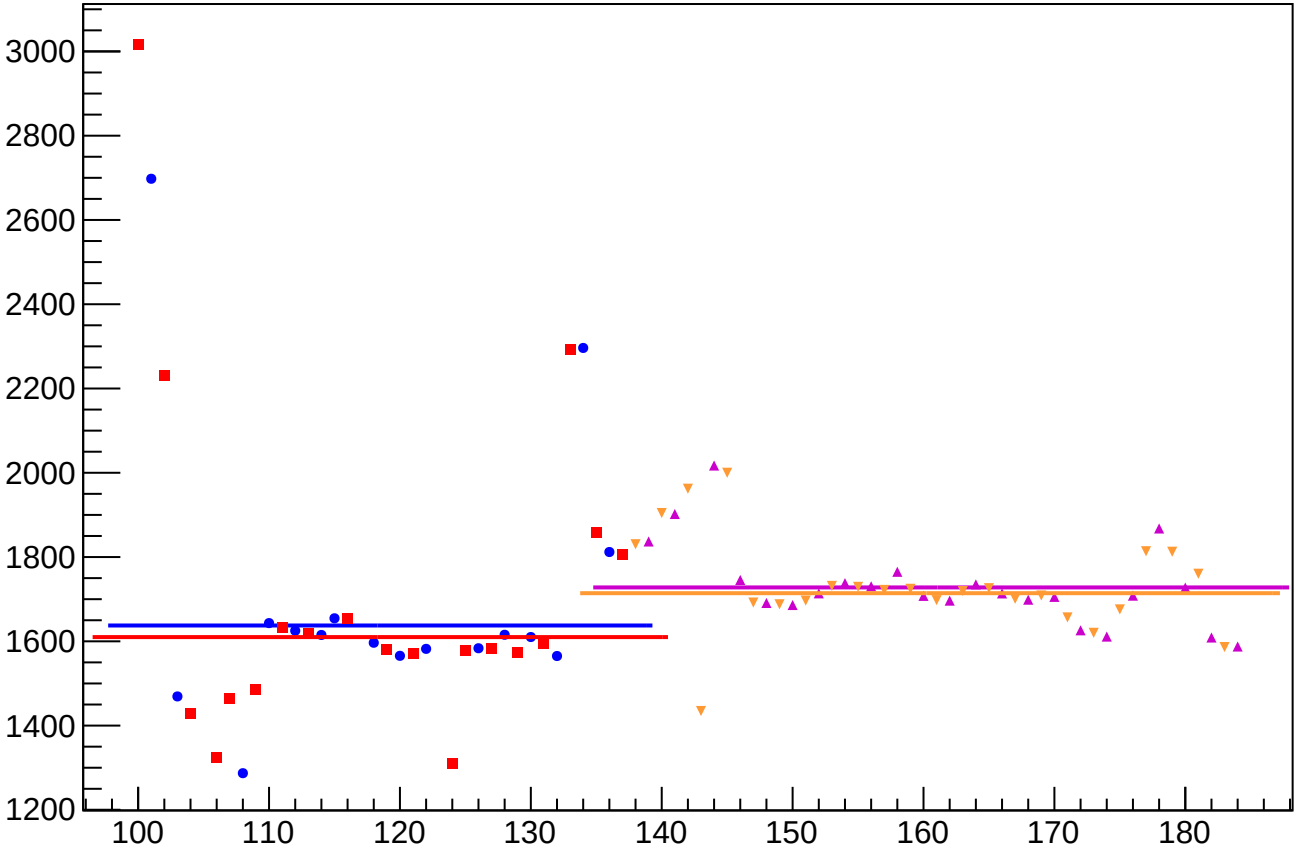
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 469.321+/-338.085 χ^2/NDF:31.1/38

Out: 466.380+/-329.239 χ^2/NDF:52.3/42

All: 467.812+/-235.872 χ^2/NDF: 83.4/81

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: 1727.912+/-0.286 χ^2/NDF:100226.8/22

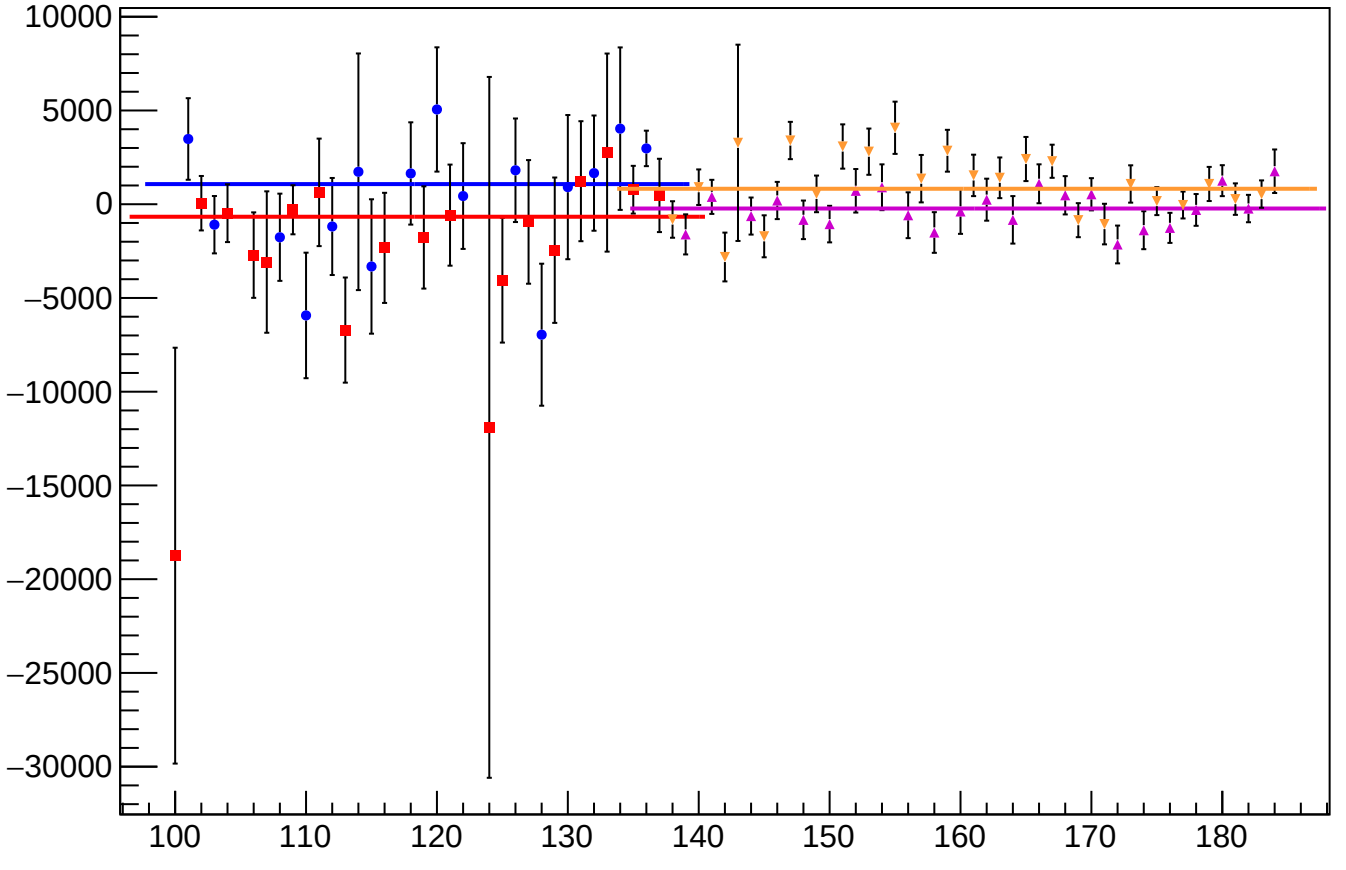
Left: 1720.878+/-0.199 χ^2/NDF: 264364.6/46

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.809+/-0.239 χ^2/NDF:491632.7/38

Out: 1683.174+/-0.233 χ^2/NDF:485668.5/42

All: 1691.758+/-0.167 χ^2/NDF: 980094.2/81



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: -228.879+/-206.703 χ^2/NDF:22.6/22

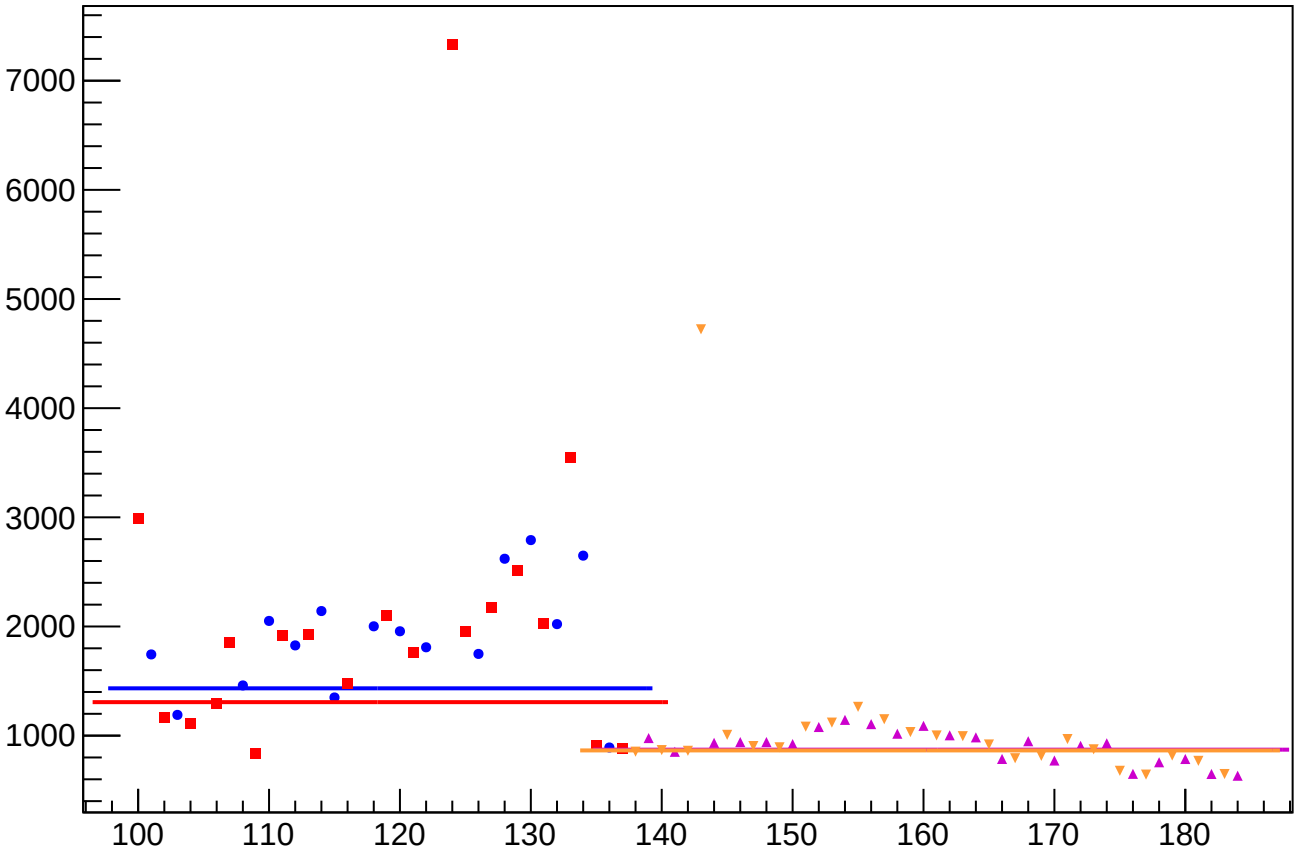
Left: 303.993+/-145.316 χ^2/NDF: 88.4/46

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -78.254+/-194.384 χ^2/NDF:49.2/38

Out: 627.375+/-190.345 χ^2/NDF:73.2/42

All: 281.968+/-136.000 χ^2/NDF: 129.2/81



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: 871.527+/-0.146 χ^2/NDF:979356.2/22

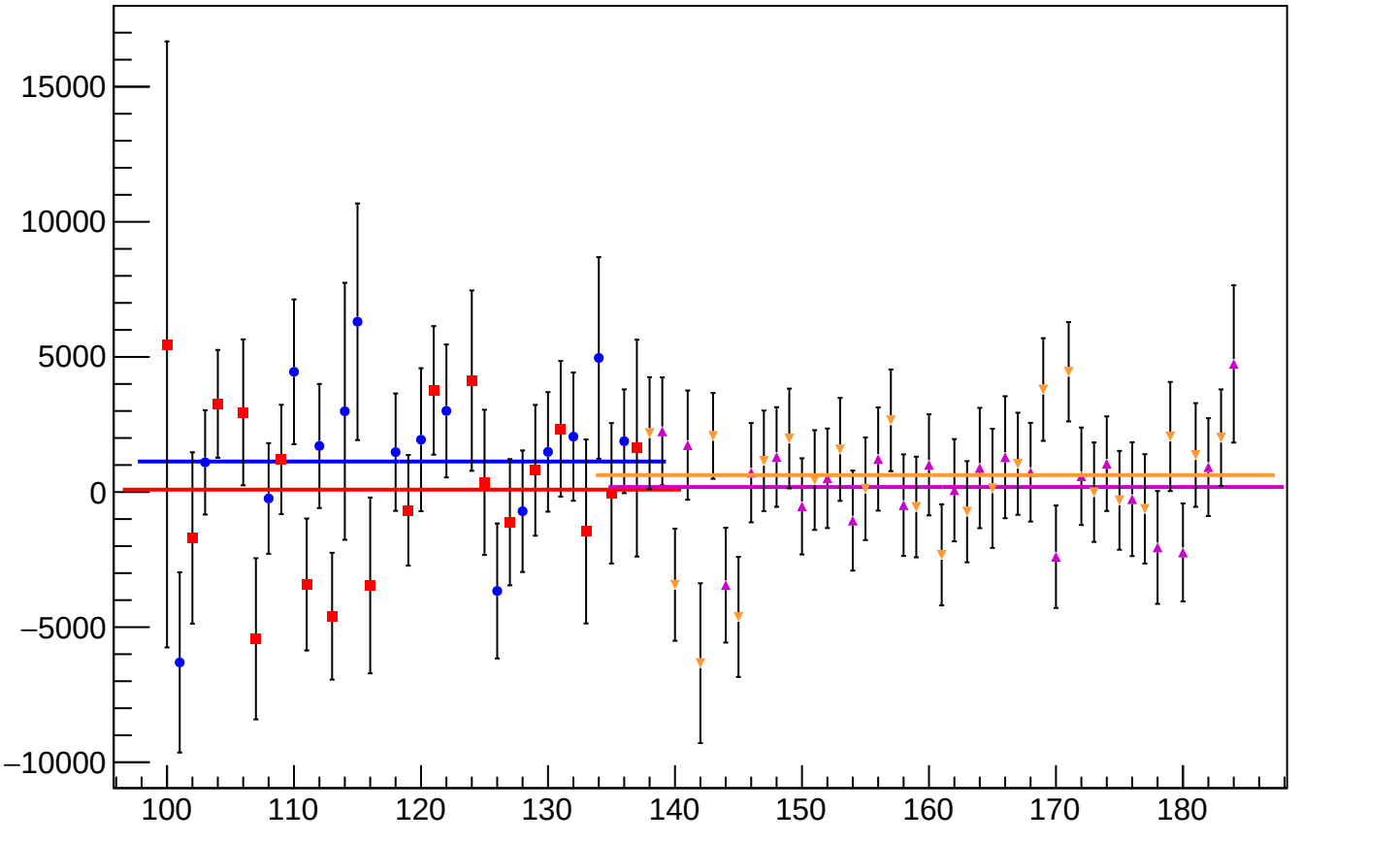
Left: 868.036+/-0.103 χ^2/NDF: 3193621.8/46

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 936.513+/-0.137 χ^2/NDF:4452292.7/38

Out: 923.097+/-0.135 χ^2/NDF:5635738.7/42

All: 929.664+/-0.096 χ^2/NDF: 10092894.7/81



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: 185.837+/-404.094 χ^2/NDF:14.4/22

Left: 412.326+/-281.721 χ^2/NDF: 46.1/46

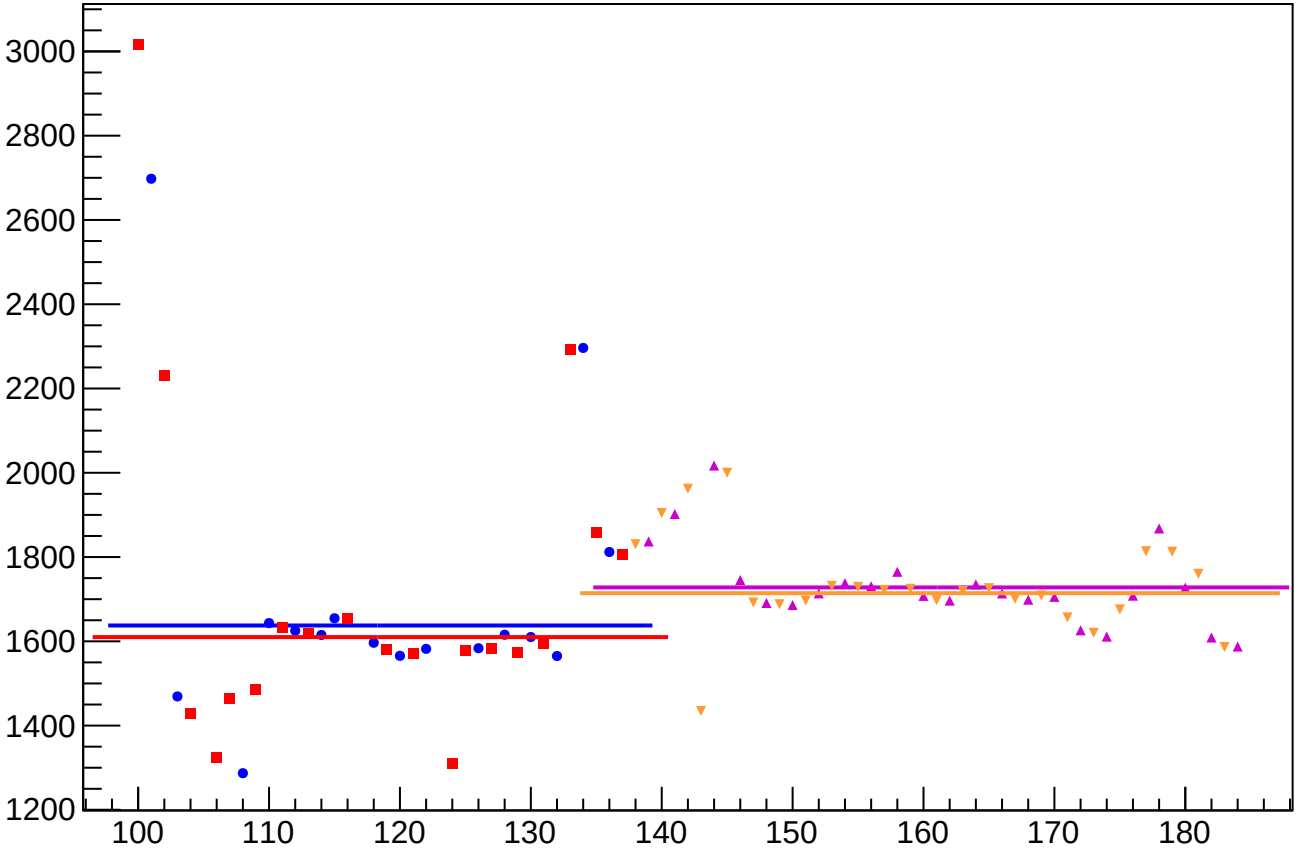
Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 469.322+/-338.085 χ^2/NDF:31.1/38

Out: 466.378+/-329.239 χ^2/NDF:52.3/42

All: 467.811+/-235.872 χ^2/NDF: 83.4/81

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: 1727.912+/-0.286 χ^2/NDF:100226.8/22

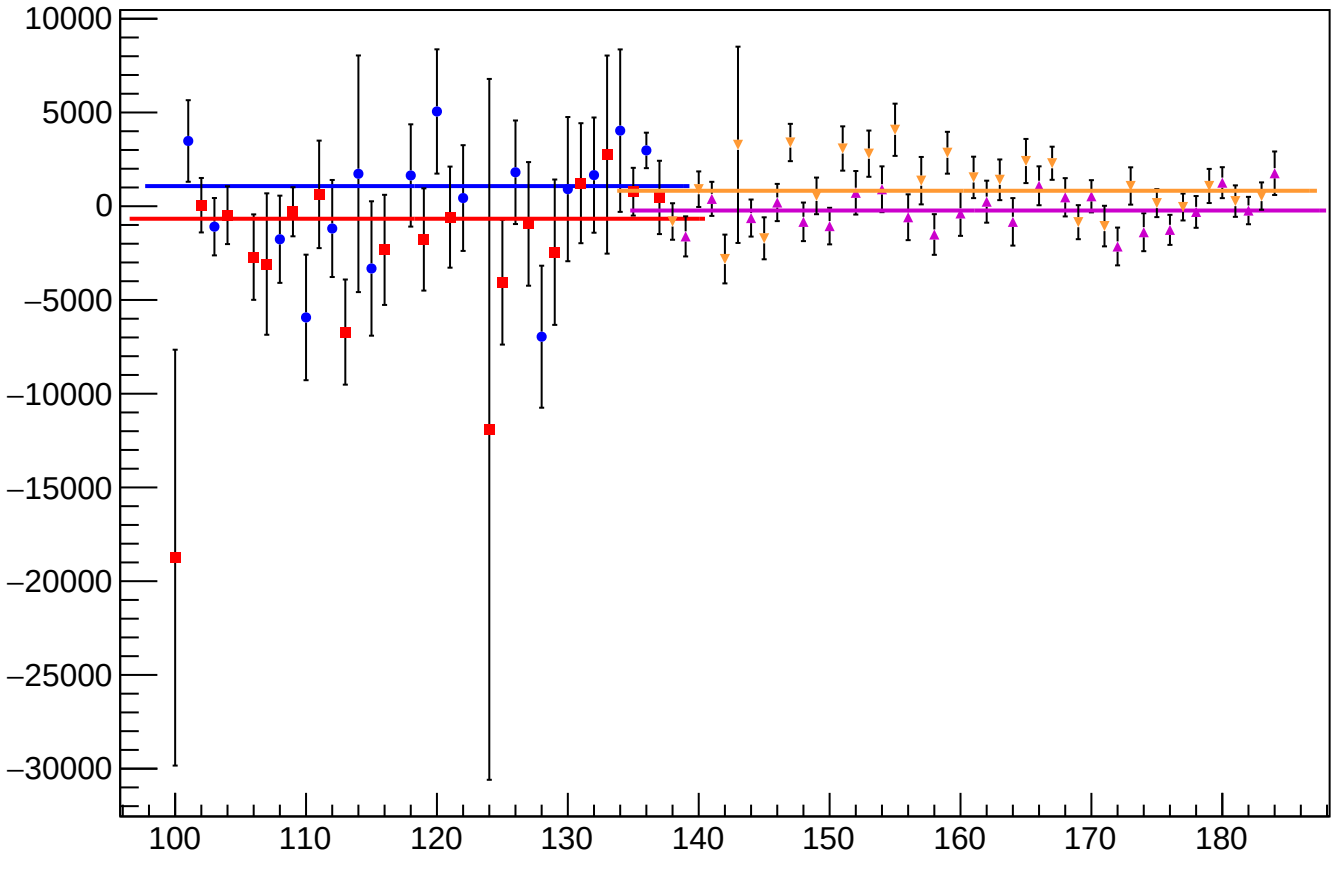
Left: 1720.878+/-0.199 χ^2/NDF: 264363.3/46

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.809+/-0.239 χ^2/NDF:491632.3/38

Out: 1683.174+/-0.233 χ^2/NDF:485667.4/42

All: 1691.758+/-0.167 χ^2/NDF: 980092.6/81



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: -228.876+/-206.703 χ^2/NDF:22.6/22

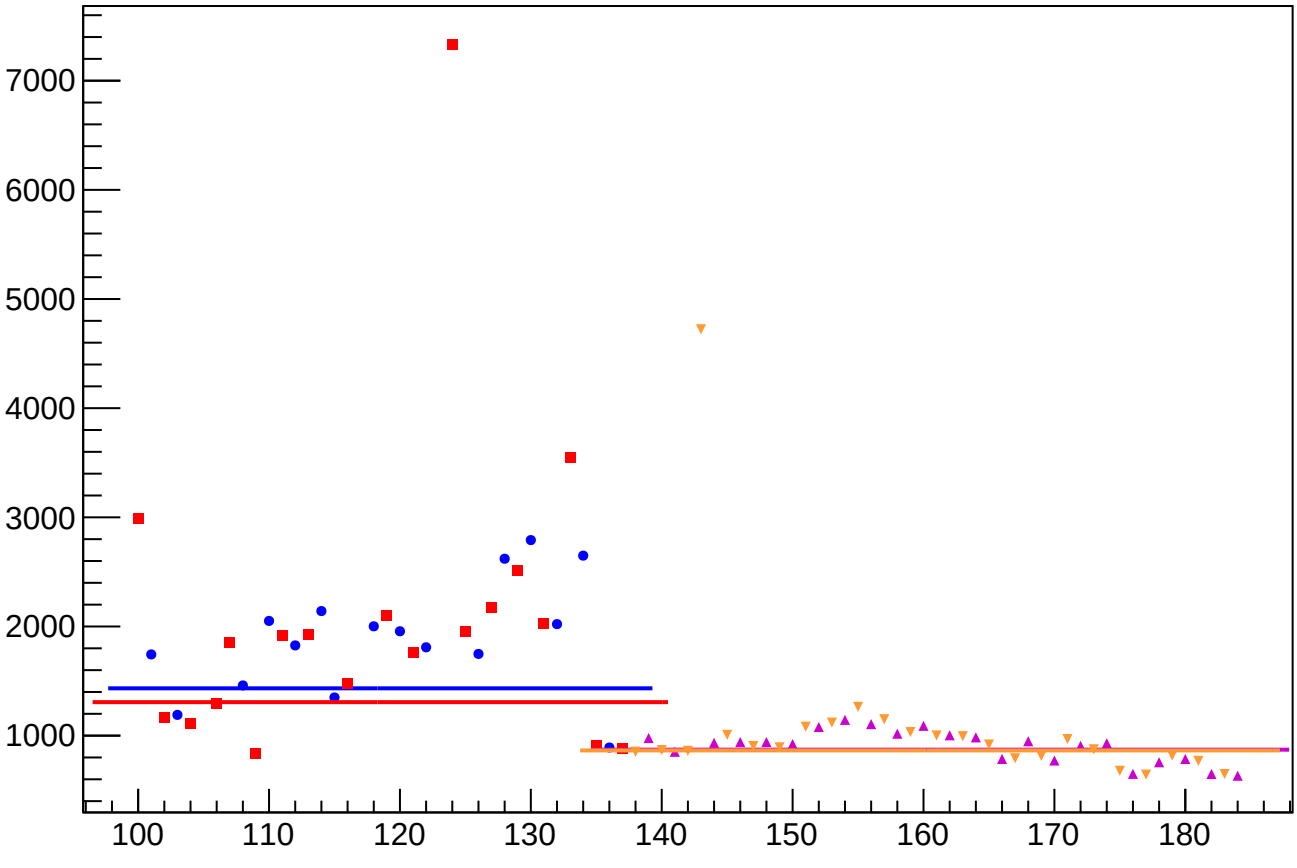
Left: 303.995+/-145.315 χ^2/NDF: 88.4/46

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: -78.256+/-194.384 χ^2/NDF:49.2/38

Out: 627.378+/-190.345 χ^2/NDF:73.2/42

All: 281.969+/-136.000 χ^2/NDF: 129.2/81


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
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170
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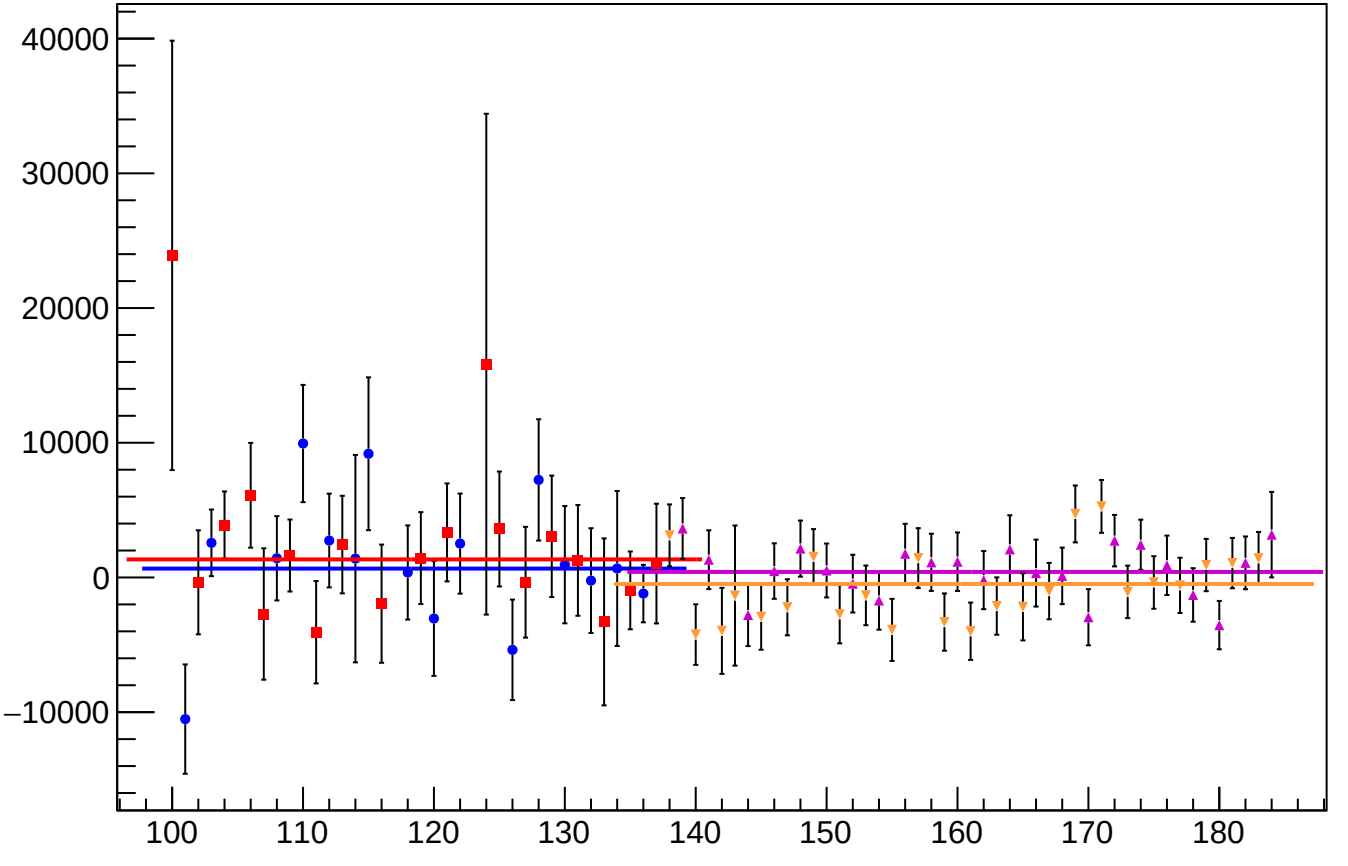
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 864.625+/-0.144 χ²/NDF:2213128.8/23
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 871.525+/-0.146 χ²/NDF:979360.3/22
Left: 868.036+/-0.103 χ²/NDF: 3193616.3/46
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 936.513+/-0.137 χ²/NDF:4452281.9/38
Out: 923.098+/-0.135 χ²/NDF:5635716.2/42
All: 929.665+/-0.096 χ²/NDF: 10092860.5/81

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: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -36.469+/-314.060 χ^2/NDF: 56.7/46

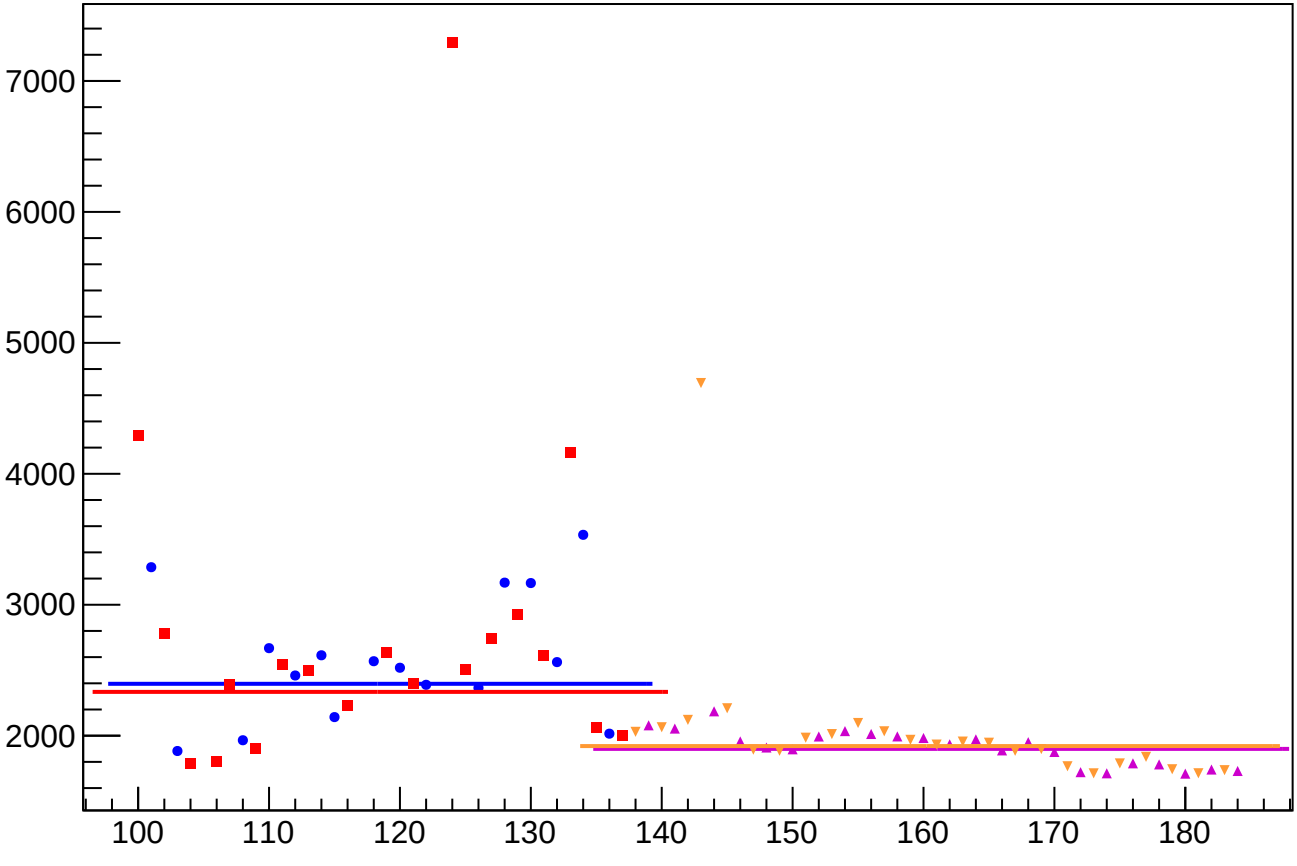
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 459.172+/-399.416 χ^2/NDF:40.9/38

Out: -119.692+/-397.158 χ^2/NDF:50.0/42

All: 168.099+/-281.628 χ^2/NDF: 92.0/81

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: 1899.245+/-0.314 χ^2/NDF:173376.4/22

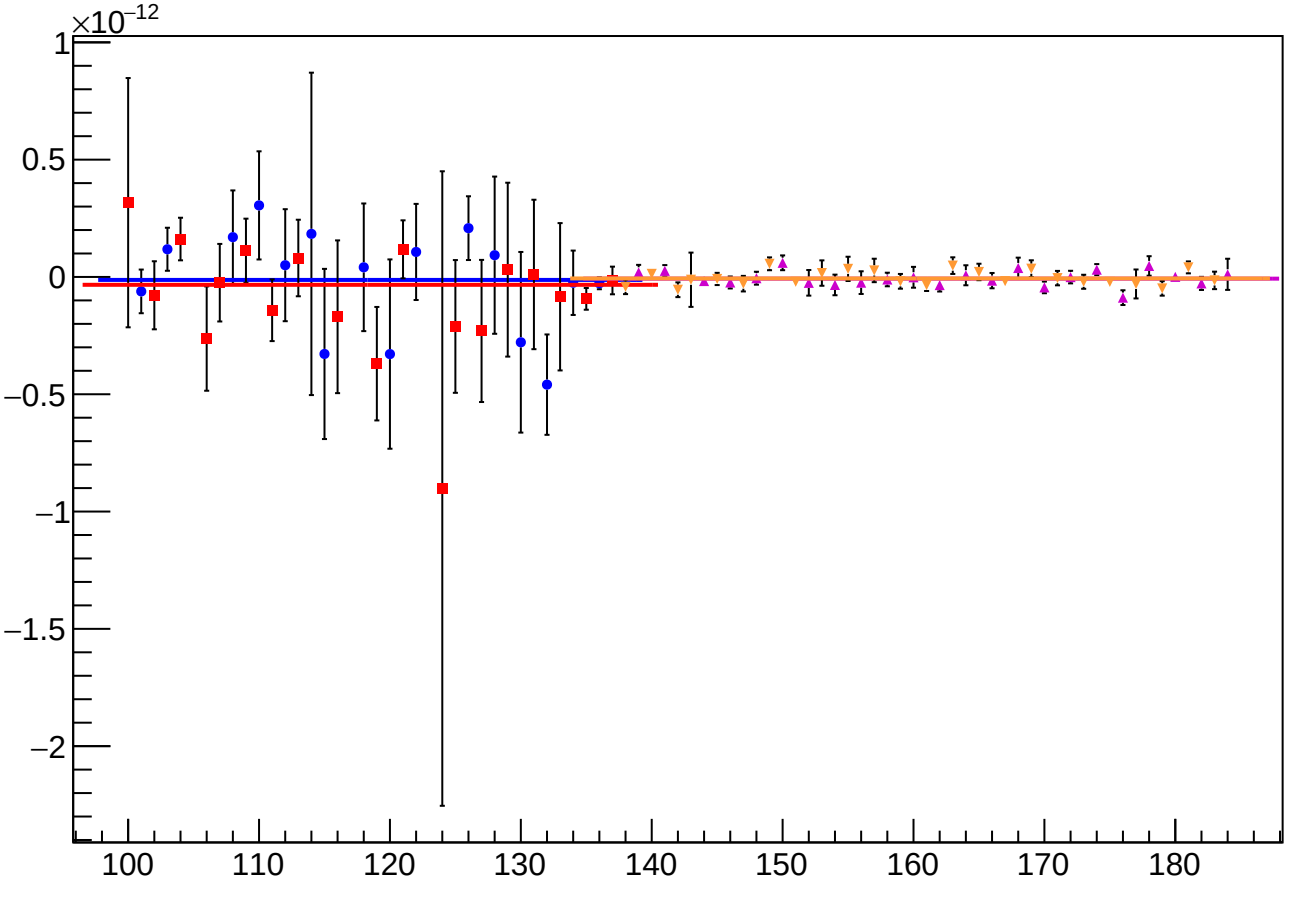
Left: 1909.991+/-0.222 χ^2/NDF: 924654.1/46

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 1995.089+/-0.282 χ^2/NDF:1163320.0/38

Out: 2003.012+/-0.281 χ^2/NDF:1776593.5/42

All: 1999.073+/-0.199 χ^2/NDF: 2940309.2/81



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:25.0/22

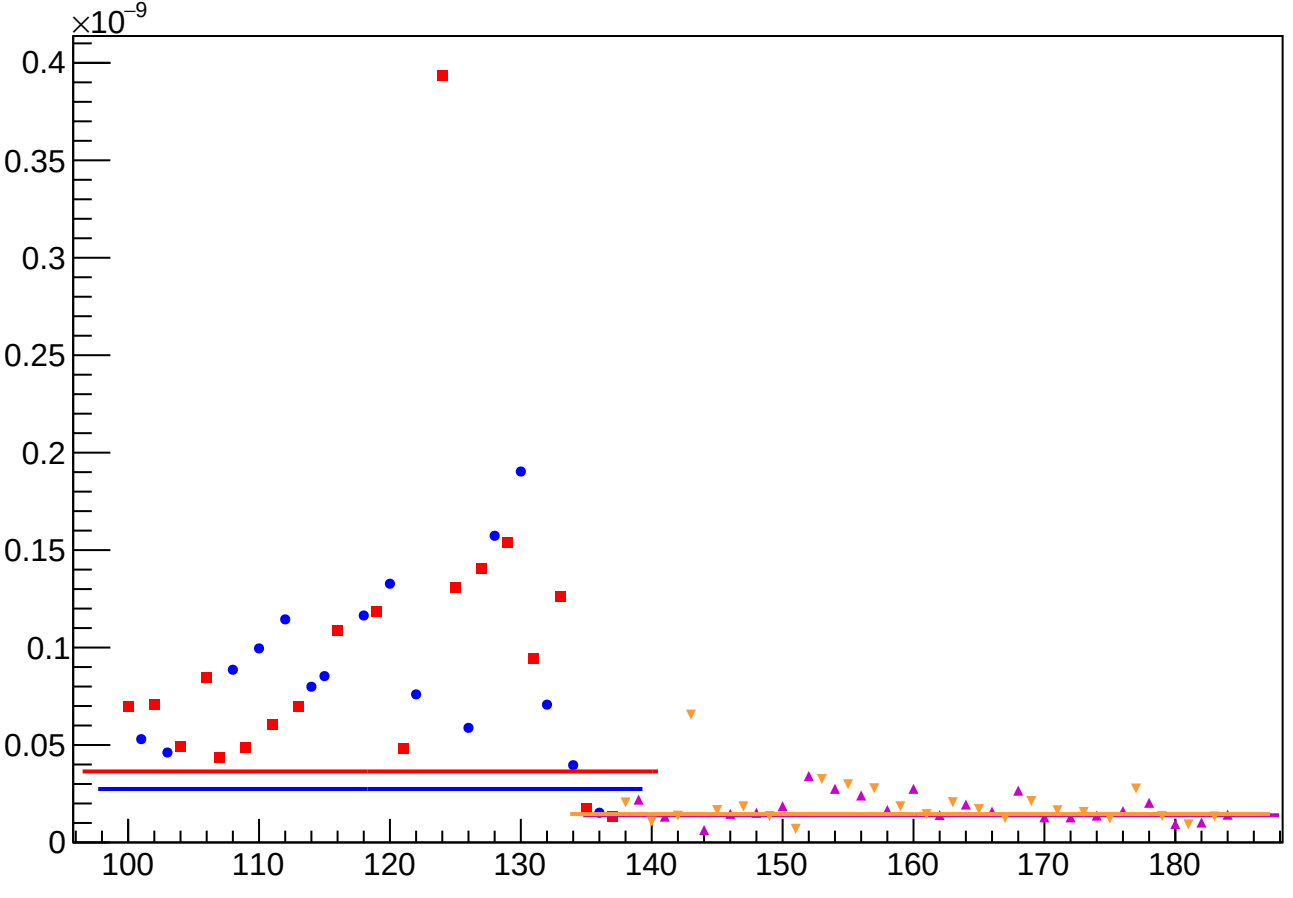
Left: -0.000+/-0.000 χ^2/NDF: 49.7/46

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:39.9/38

Out: -0.000+/-0.000 χ^2/NDF:40.8/42

All: -0.000+/-0.000 χ^2/NDF: 80.7/81



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:1944578.7/22

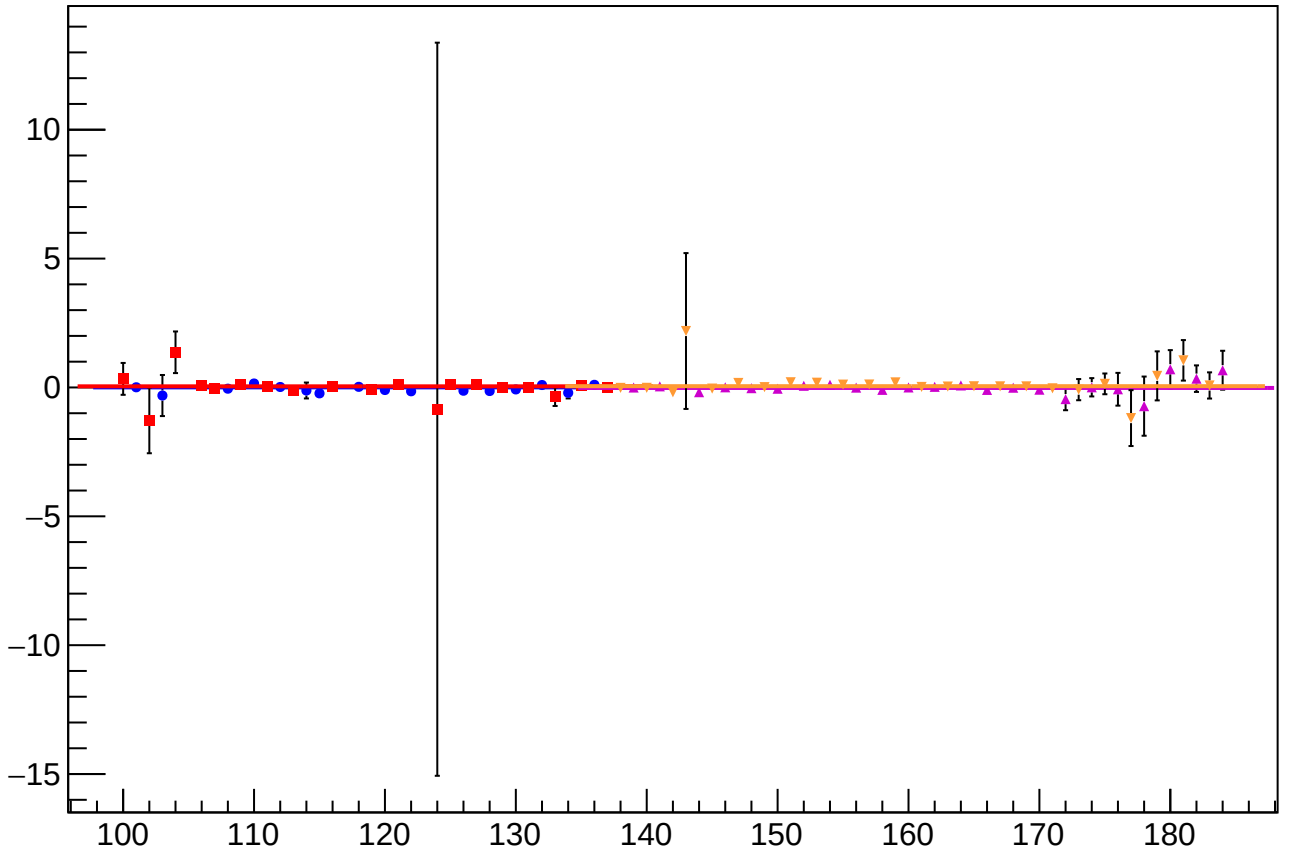
Left: 0.000+/-0.000 χ^2/NDF: 3823398.1/46

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:5361460.5/38

Out: 0.000+/-0.000 χ^2/NDF:5476848.4/42

All: 0.000+/-0.000 χ^2/NDF: 10851805.7/81



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:15.4/22

Left: 0.015+/-0.012 χ^2/NDF: 46.5/46

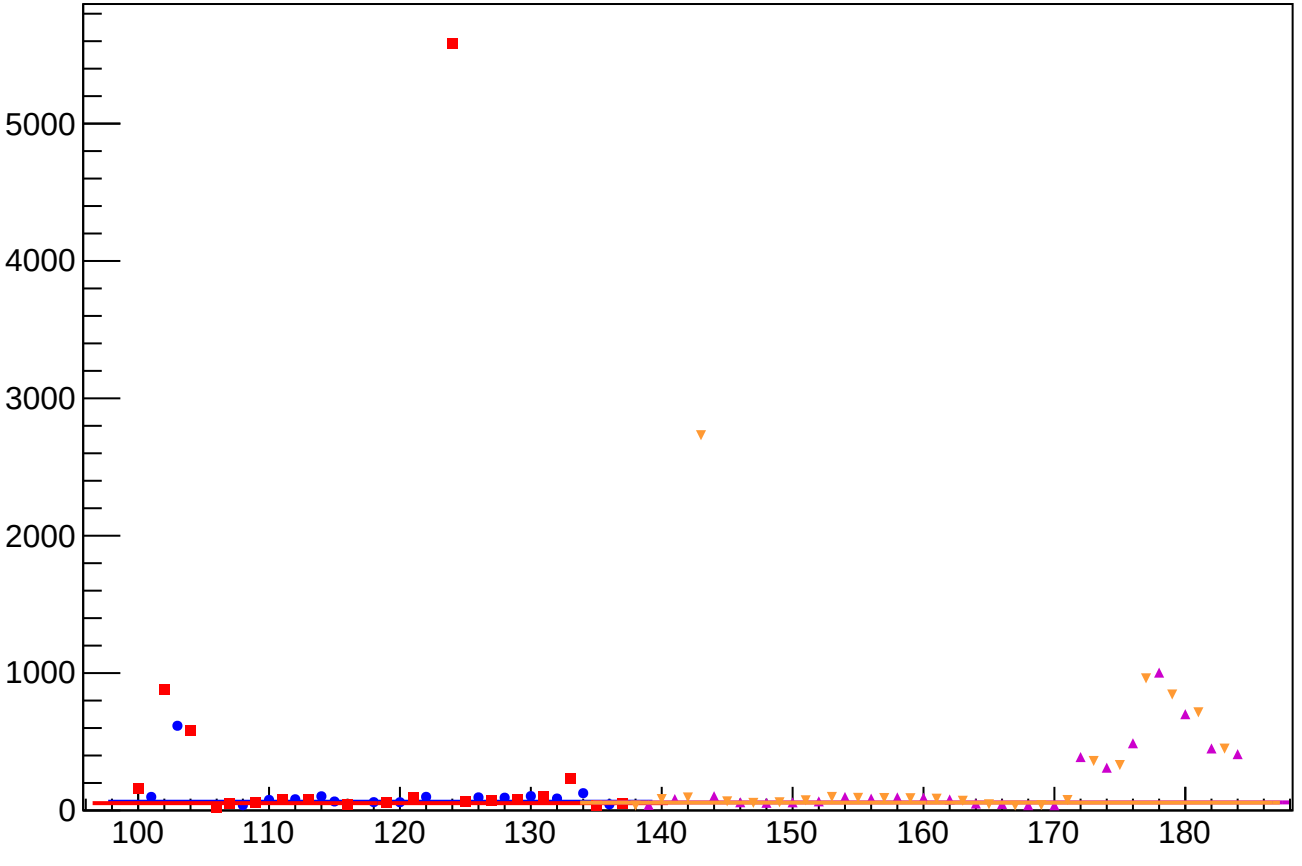
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.014 χ^2/NDF:29.2/38

Out: 0.047+/-0.014 χ^2/NDF:35.7/42

All: 0.018+/-0.010 χ^2/NDF: 73.8/81

asym_at2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.095+/-0.012 χ^2/NDF:11946902.0/23

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

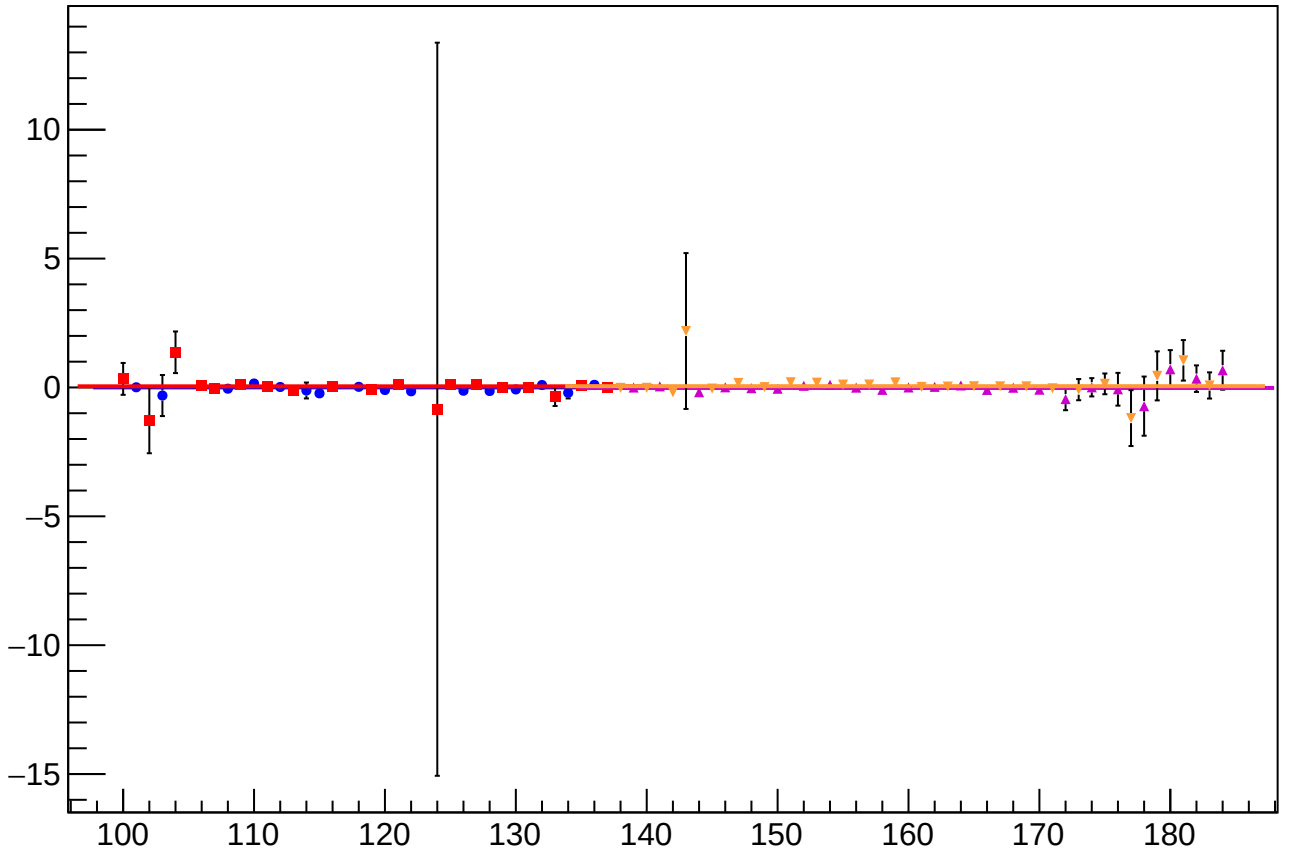
Left: 57.833+/-0.009 χ^2/NDF: 22202119.5/46

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.963+/-0.010 χ^2/NDF:12738867.5/38

Out: 55.851+/-0.010 χ^2/NDF:15926031.4/42

All: 57.842+/-0.007 χ^2/NDF: 28747885.6/81



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:15.4/22

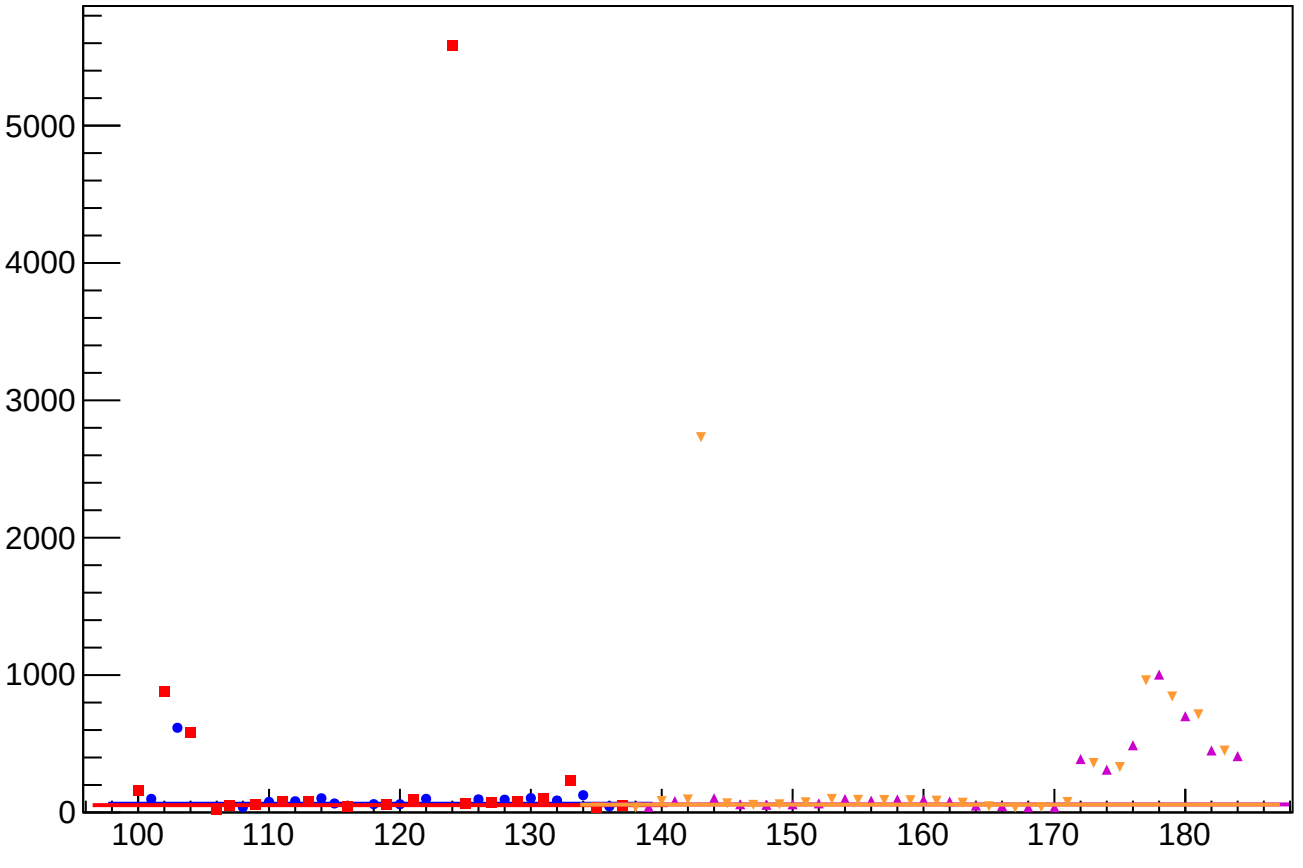
Left: 0.015+/-0.012 χ^2/NDF: 46.5/46

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.014 χ^2/NDF:29.2/38

Out: 0.047+/-0.014 χ^2/NDF:35.7/42

All: 0.018+/-0.010 χ^2/NDF: 73.8/81



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: 58.580+/-0.012 χ^2/NDF:10247660.0/22

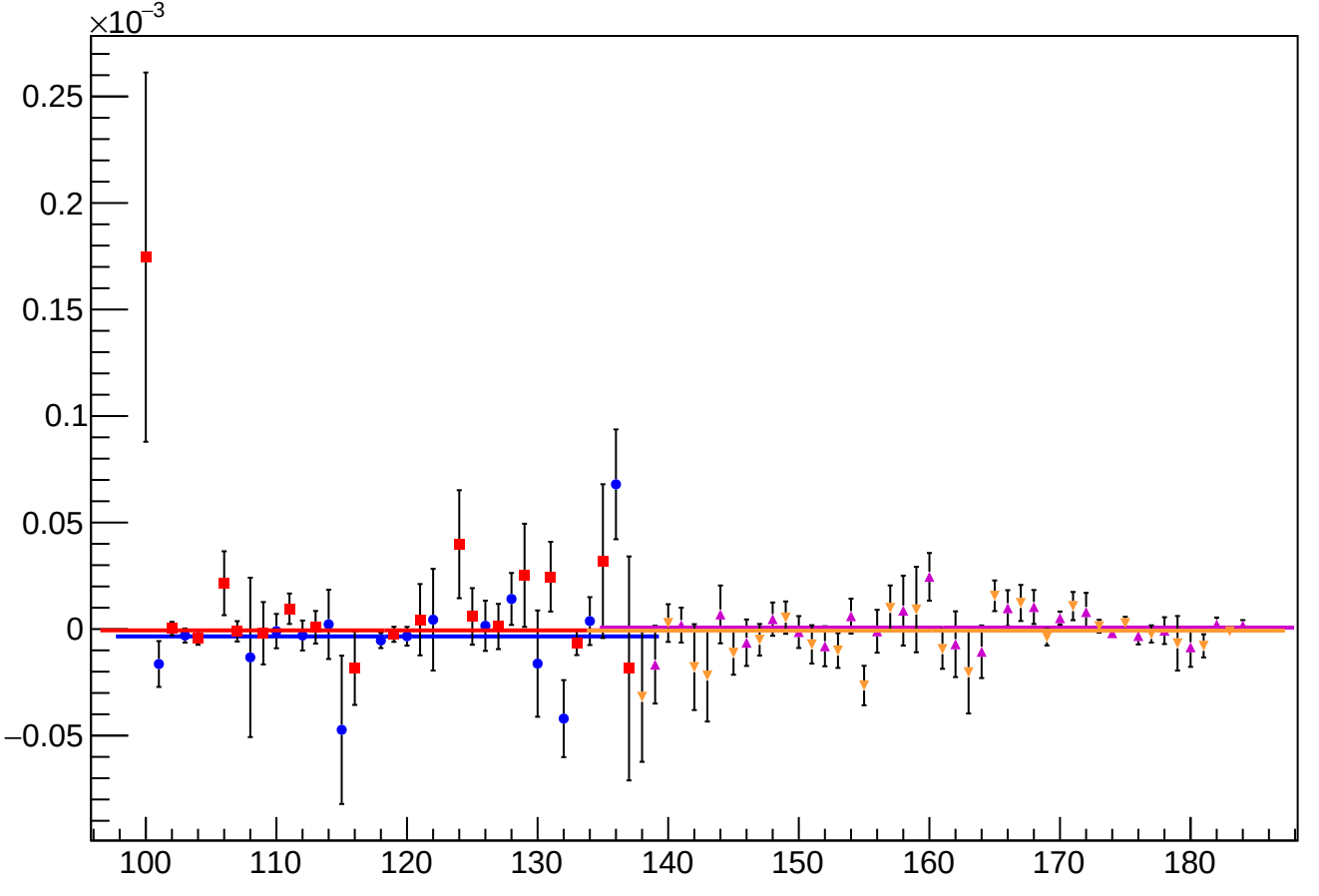
Left: 57.833+/-0.009 χ^2/NDF: 22202119.5/46

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.963+/-0.010 χ^2/NDF:12738867.5/38

Out: 55.851+/-0.010 χ^2/NDF:15926031.4/42

All: 57.842+/-0.007 χ^2/NDF: 28747885.6/81



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:18.8/22

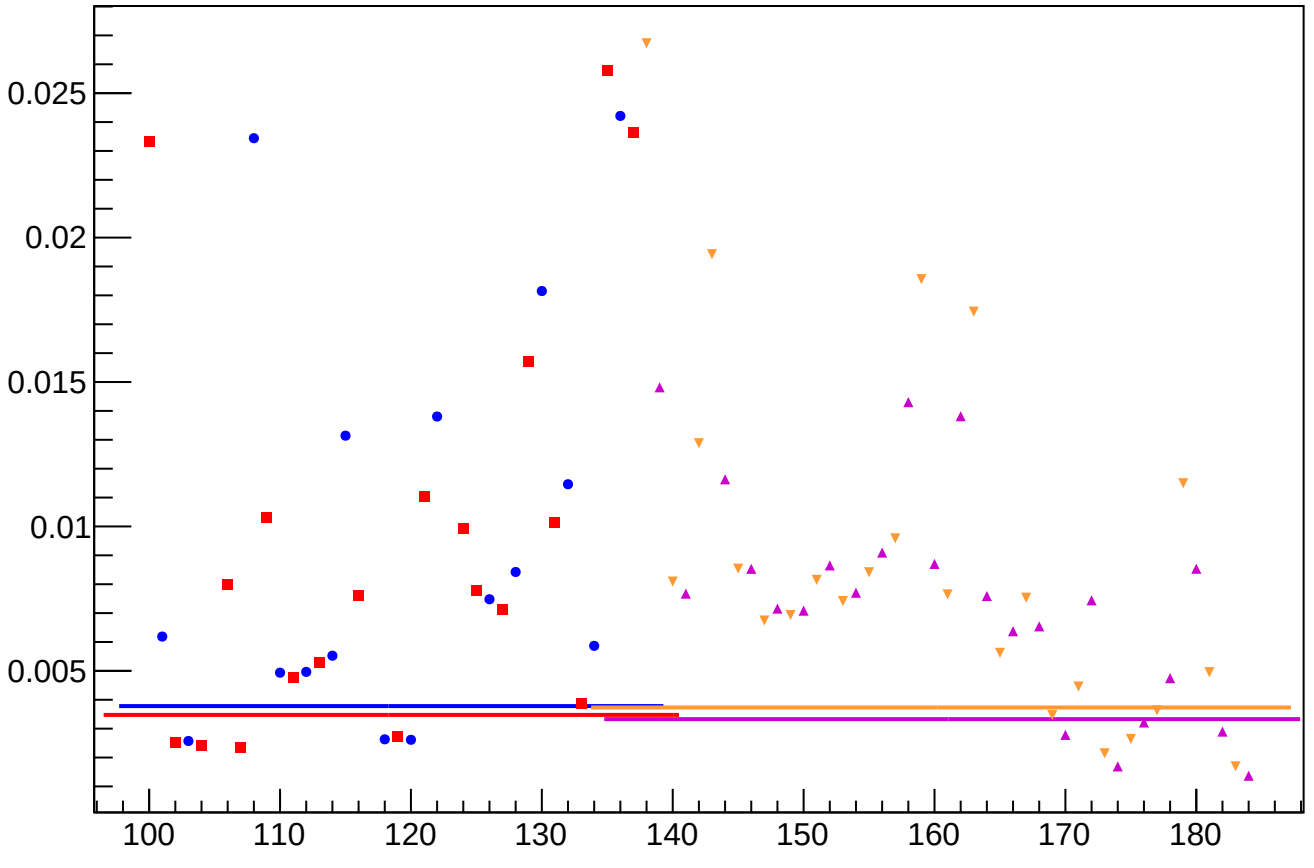
Left: 0.000+/-0.000 χ^2/NDF: 52.4/46

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:41.6/38

Out: -0.000+/-0.000 χ^2/NDF:51.9/42

All: -0.000+/-0.000 χ^2/NDF: 93.6/81



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: 0.003+/-0.000 χ^2/NDF:12566501.1/22

Left: 0.004+/-0.000 χ^2/NDF: 25668729.4/46

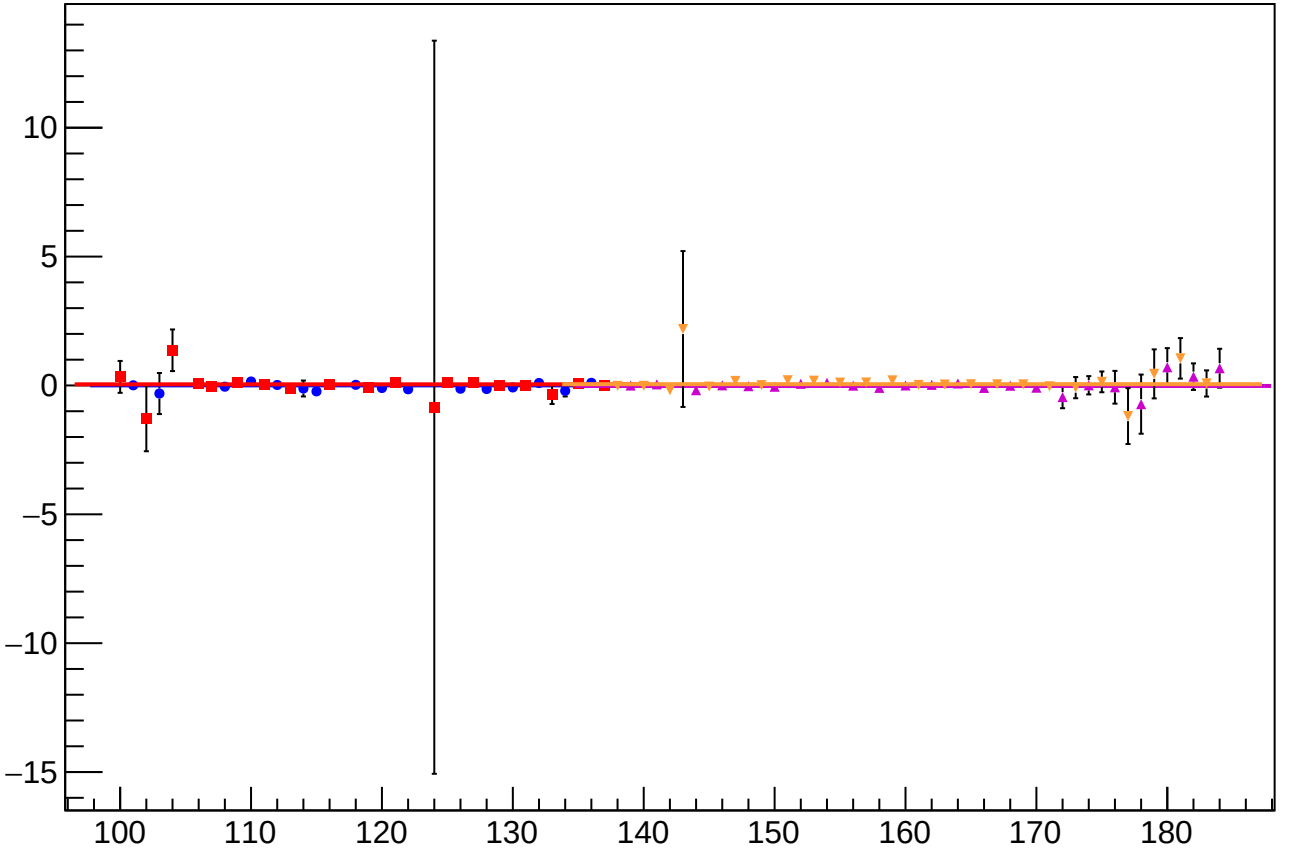
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.003+/-0.000 χ^2/NDF:17378723.5/38

Out: 0.004+/-0.000 χ^2/NDF:17492654.7/42

All: 0.004+/-0.000 χ^2/NDF: 34923373.9/81

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:23.0/23

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

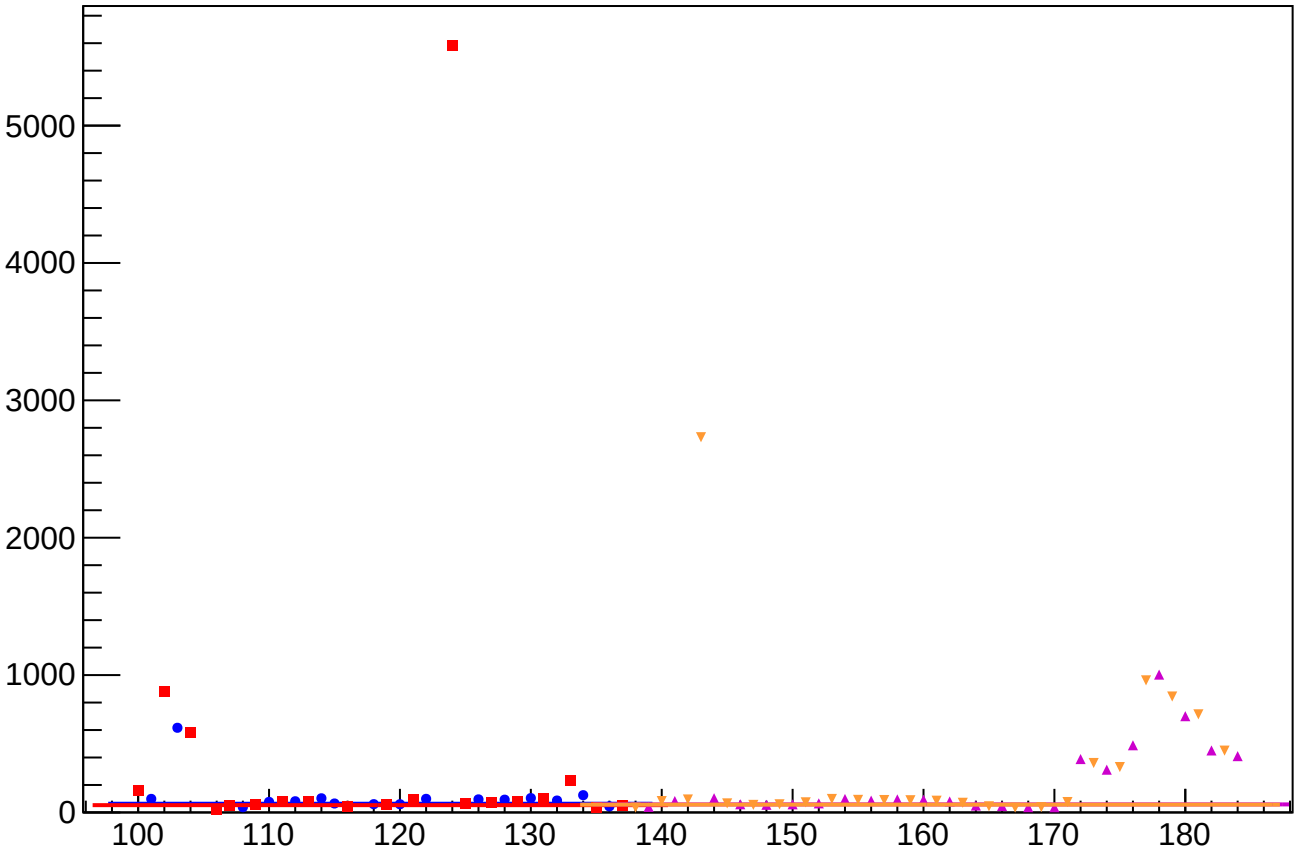
Left: 0.015+/-0.012 χ^2/NDF: 46.5/46

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.014 χ^2/NDF:29.2/38

Out: 0.047+/-0.014 χ^2/NDF:35.8/42

All: 0.018+/-0.010 χ^2/NDF: 73.8/81



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: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.834+/-0.009 χ^2/NDF: 22201390.0/46

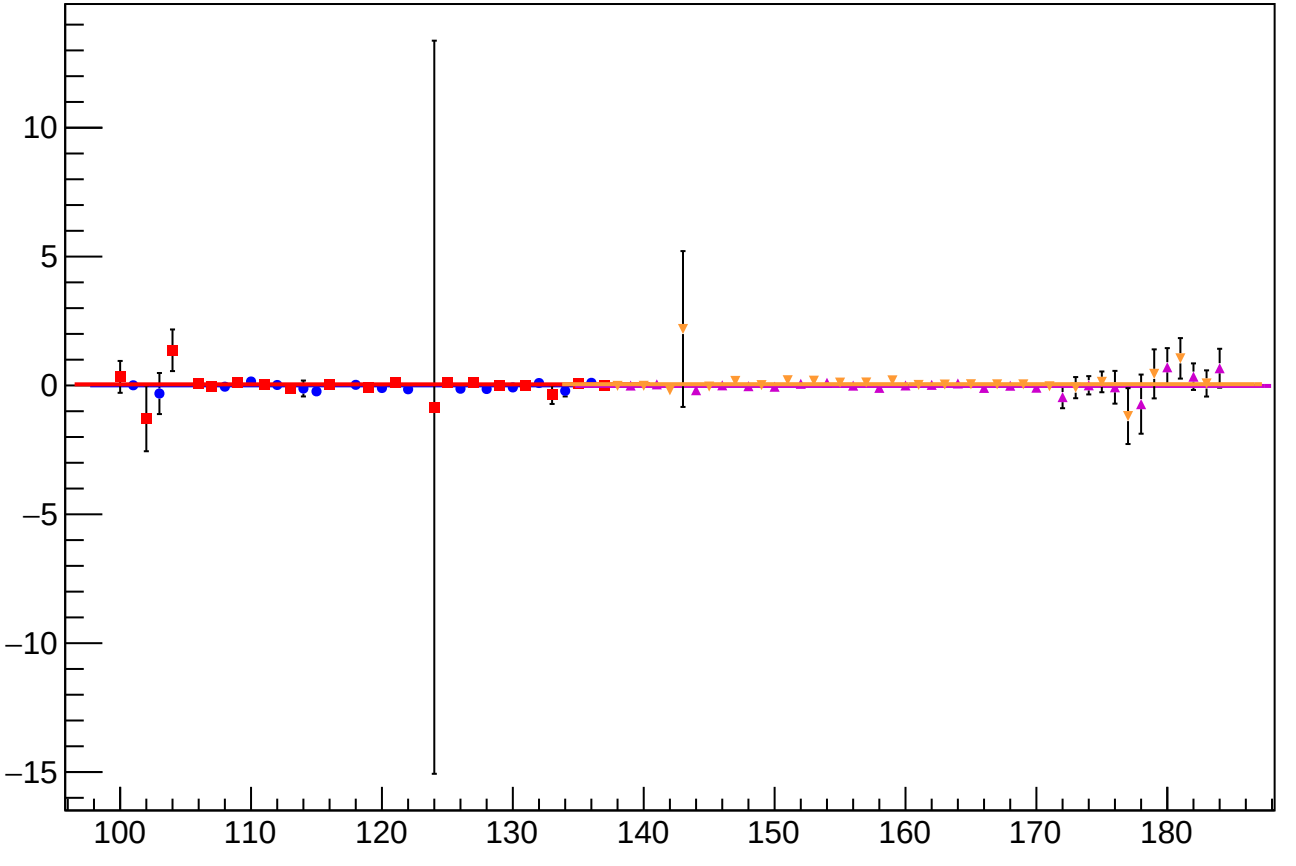
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.967+/-0.010 χ^2/NDF:12737579.8/38

Out: 55.849+/-0.010 χ^2/NDF:15926392.6/42

All: 57.843+/-0.007 χ^2/NDF: 28747222.4/81

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:15.4/22

Left: 0.015+/-0.012 χ^2/NDF: 46.5/46

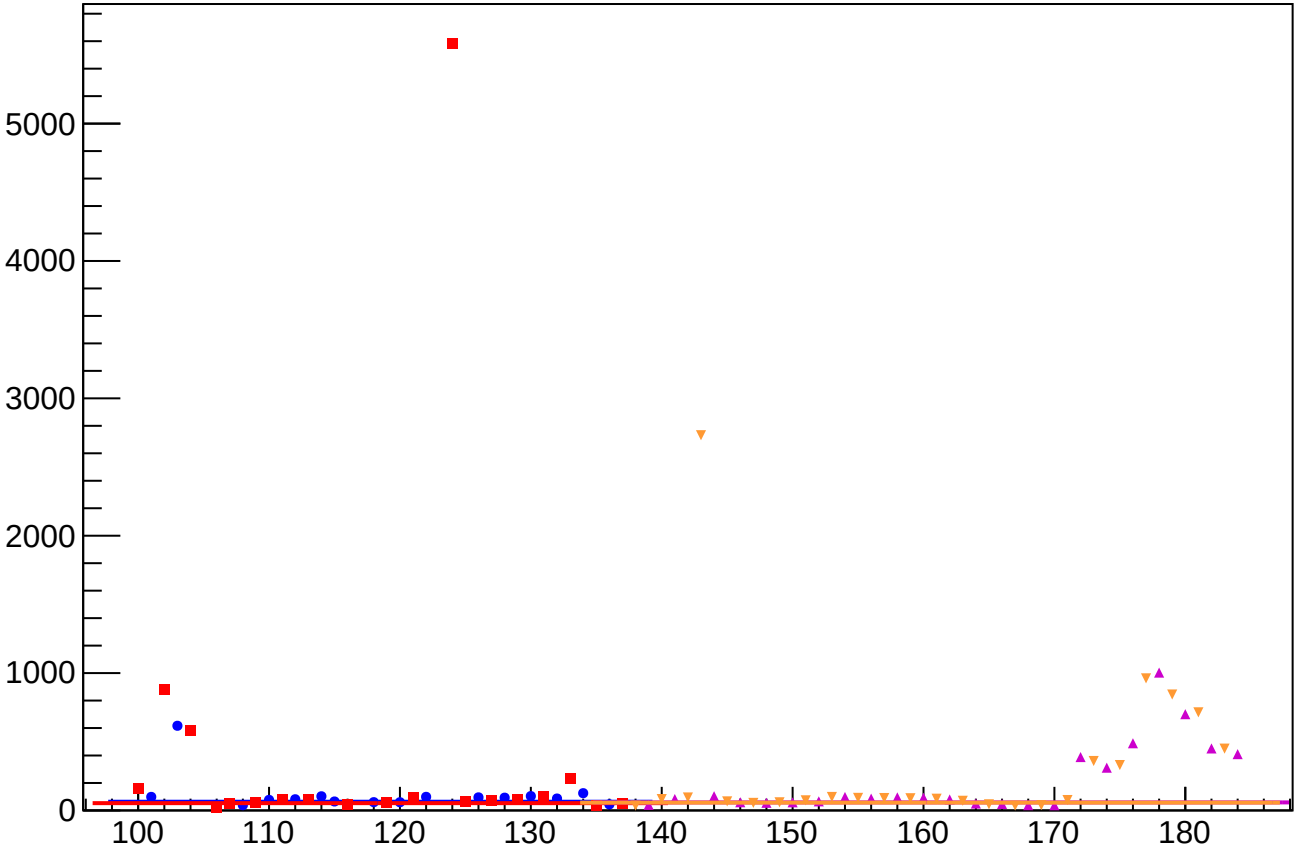
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.014 χ^2/NDF:29.2/38

Out: 0.047+/-0.014 χ^2/NDF:35.8/42

All: 0.018+/-0.010 χ^2/NDF: 73.8/81

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: 58.582+/-0.012 χ^2/NDF:10247153.8/22

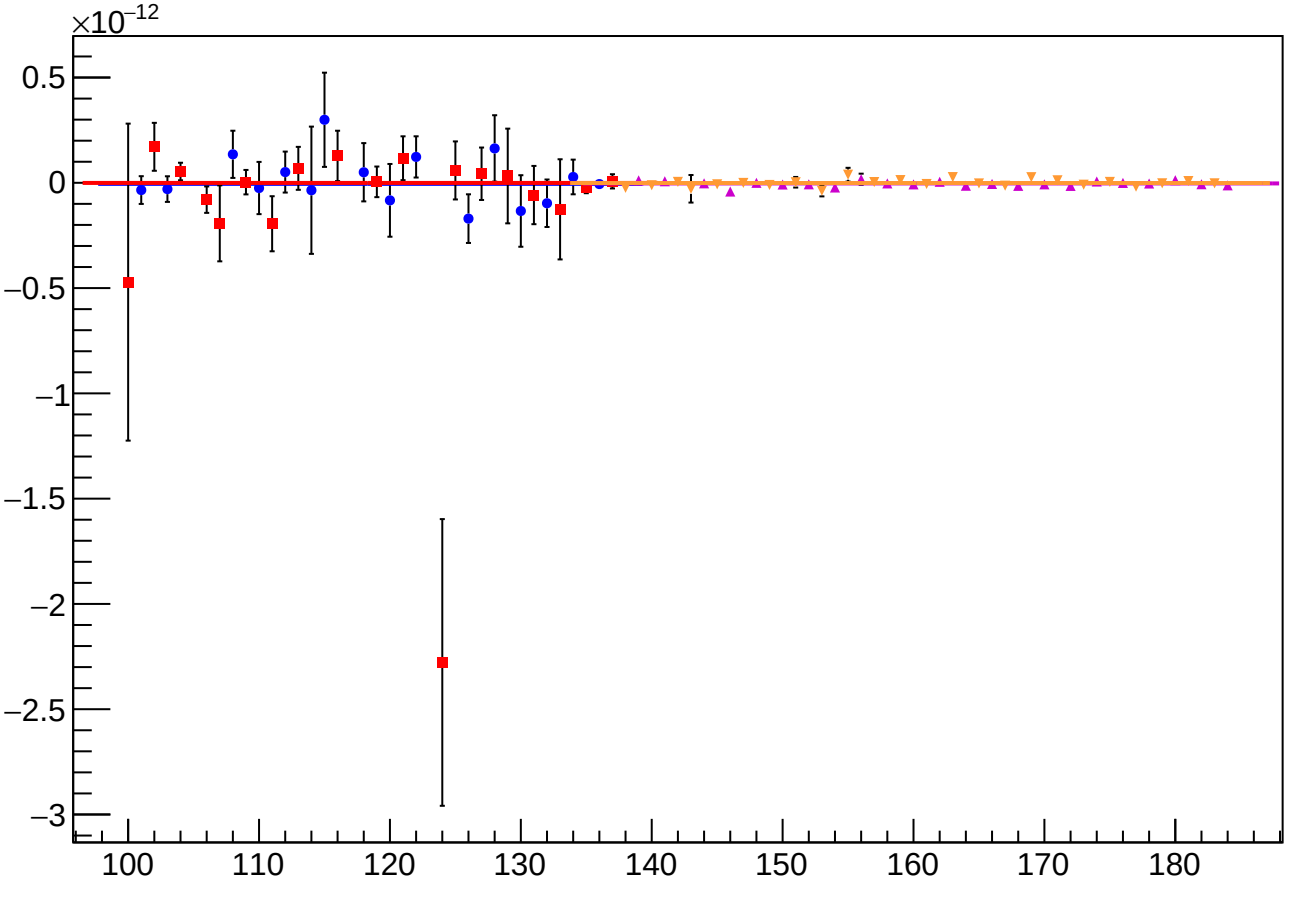
Left: 57.834+/-0.009 χ^2/NDF: 22201390.0/46

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.967+/-0.010 χ^2/NDF:12737579.8/38

Out: 55.849+/-0.010 χ^2/NDF:15926392.6/42

All: 57.843+/-0.007 χ^2/NDF: 28747222.4/81



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:15.4/22

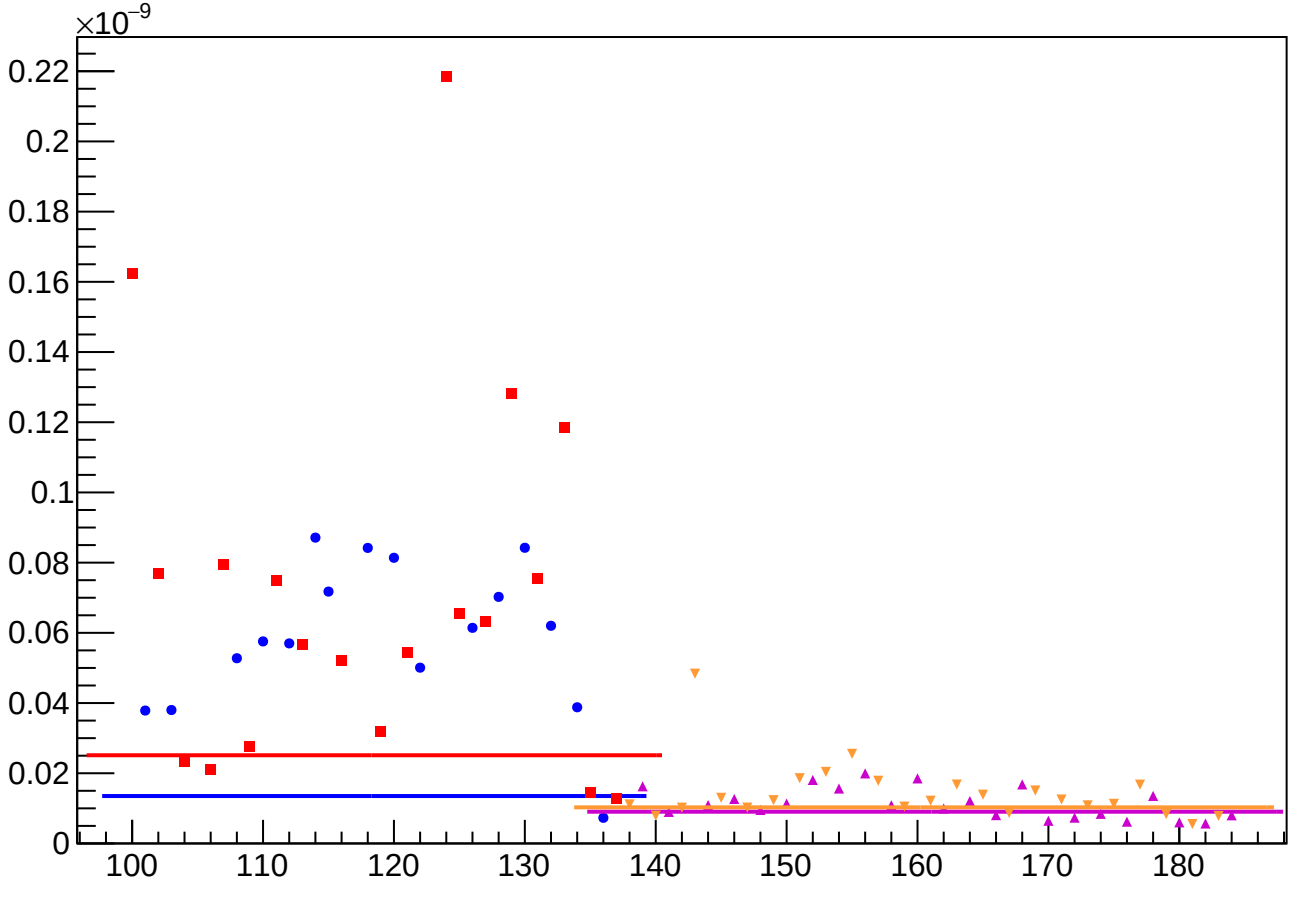
Left: -0.000+/-0.000 χ^2/NDF: 31.8/46

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:26.3/38

Out: -0.000+/-0.000 χ^2/NDF:41.3/42

All: -0.000+/-0.000 χ^2/NDF: 67.8/81



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:3047861.1/22

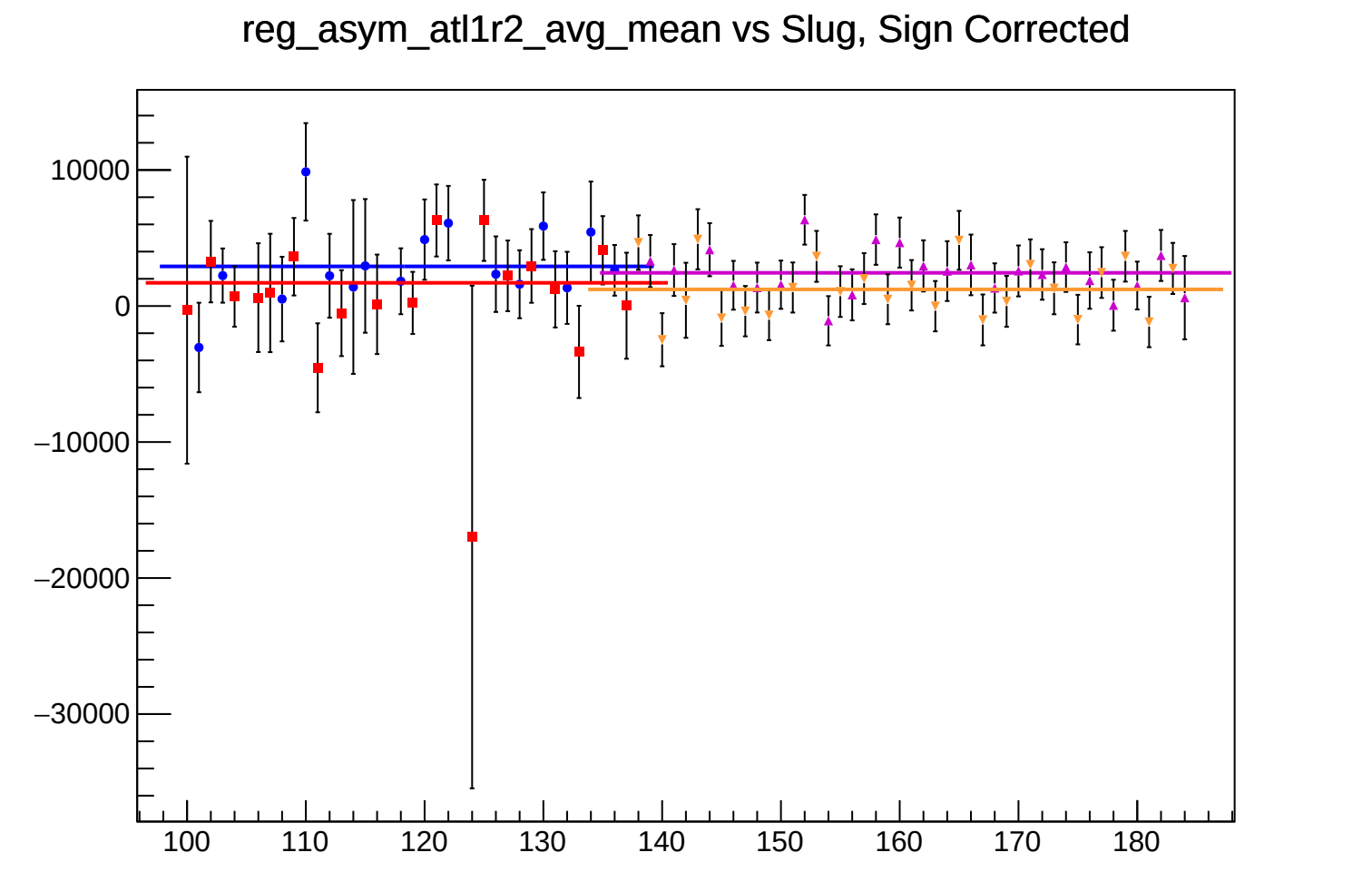
Left: 0.000+/-0.000 χ^2/NDF: 6857691.2/46

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:8392923.5/38

Out: 0.000+/-0.000 χ^2/NDF:9077975.8/42

All: 0.000+/-0.000 χ^2/NDF: 17751453.7/81



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: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1820.743+/-279.254 χ^2/NDF: 48.4/46

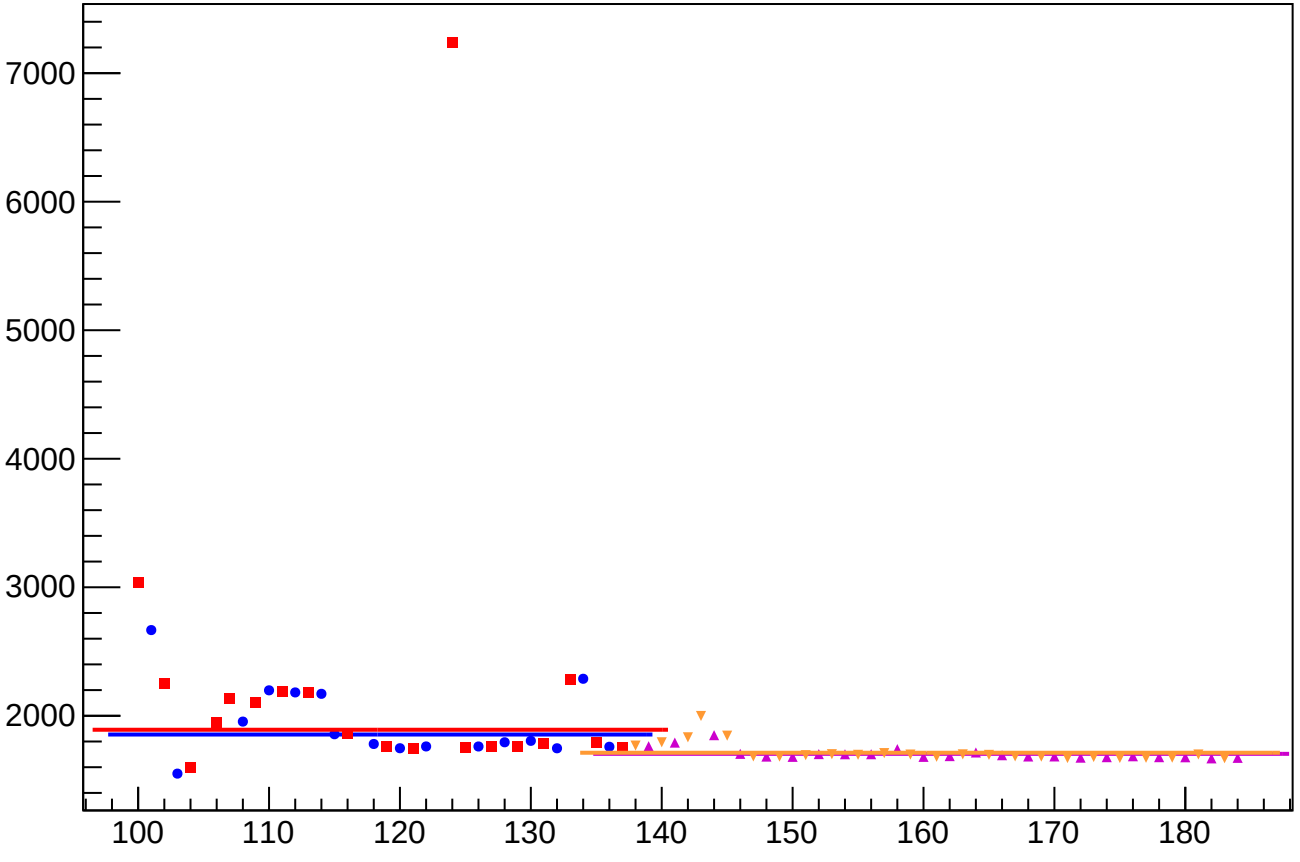
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2556.030+/-345.364 χ^2/NDF:30.3/38

Out: 1334.826+/-342.779 χ^2/NDF:42.3/42

All: 1940.840+/-243.290 χ^2/NDF: 78.9/81

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: 1703.969+/-0.281 χ^2/NDF:22568.8/22

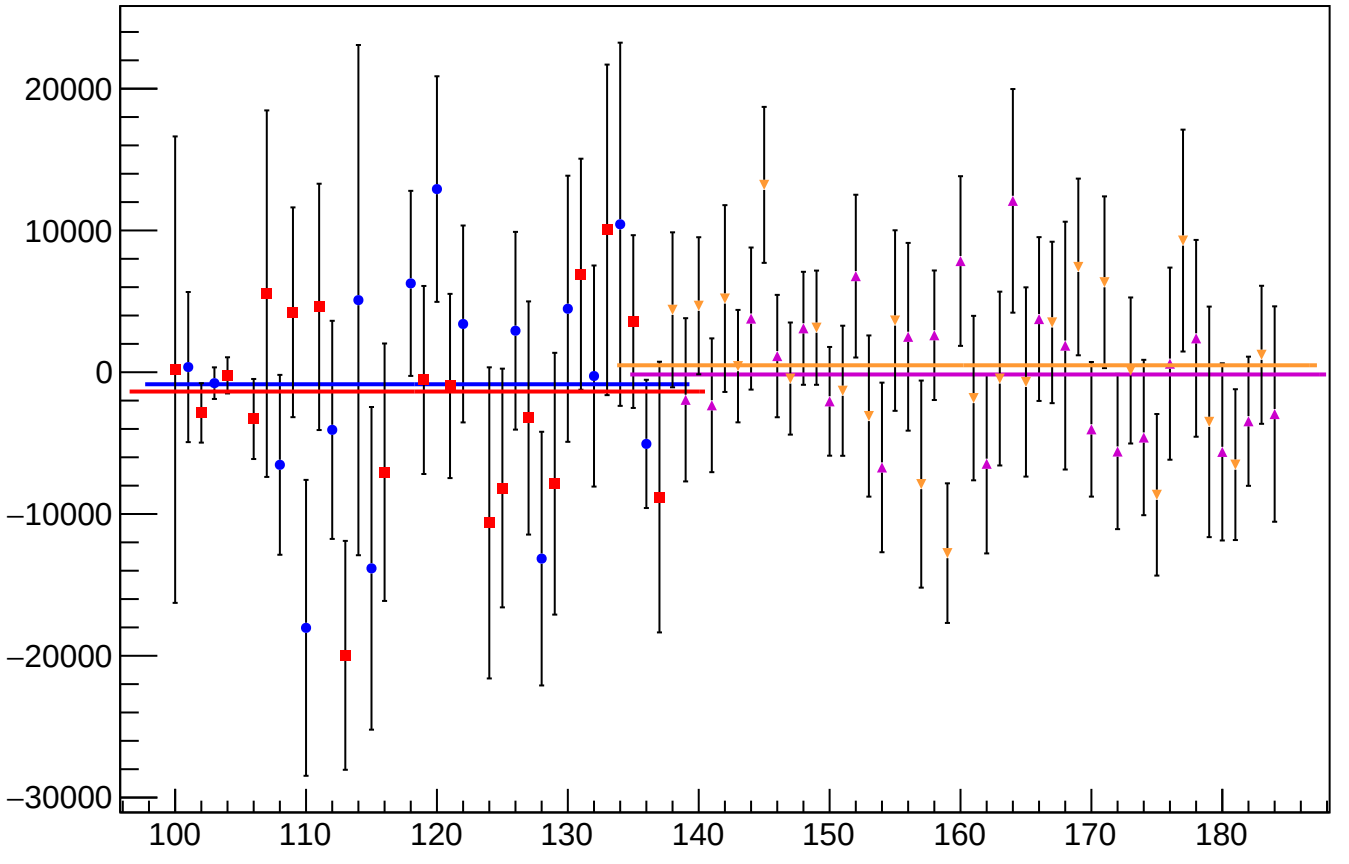
Left: 1708.336+/-0.197 χ^2/NDF: 82537.2/46

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1741.088+/-0.244 χ^2/NDF:356363.2/38

Out: 1754.792+/-0.242 χ^2/NDF:521876.7/42

All: 1747.995+/-0.172 χ^2/NDF: 879827.1/81



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 490.454+/-1101.105 χ^2/NDF:25.5/23

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

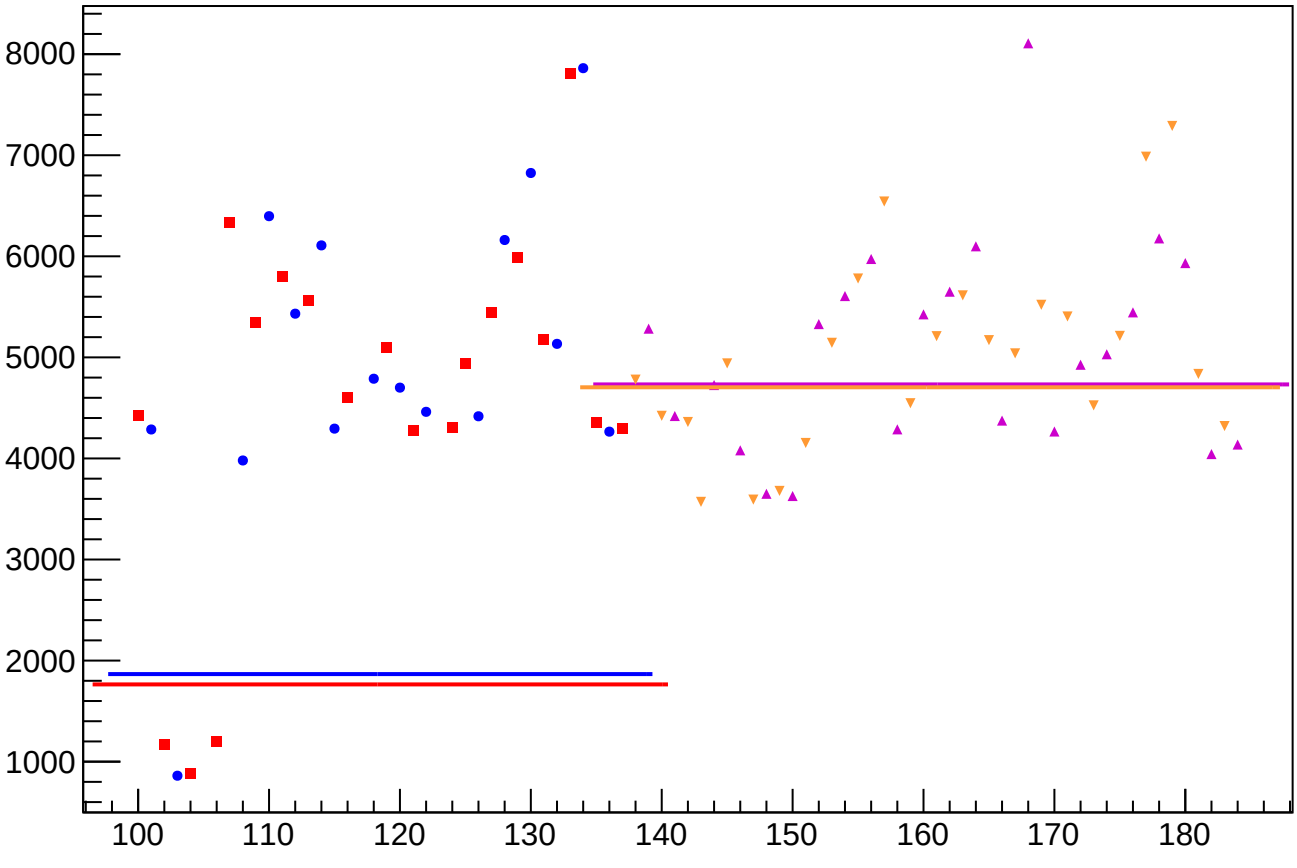
Left: 174.193+/-788.087 χ^2/NDF: 40.3/46

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -557.244+/-732.486 χ^2/NDF:28.8/38

Out: -604.140+/-704.156 χ^2/NDF:41.2/42

All: -581.617+/-507.633 χ^2/NDF: 70.0/81



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: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

Left: 4717.829+/-0.557 χ^2/NDF: 2478841.6/46

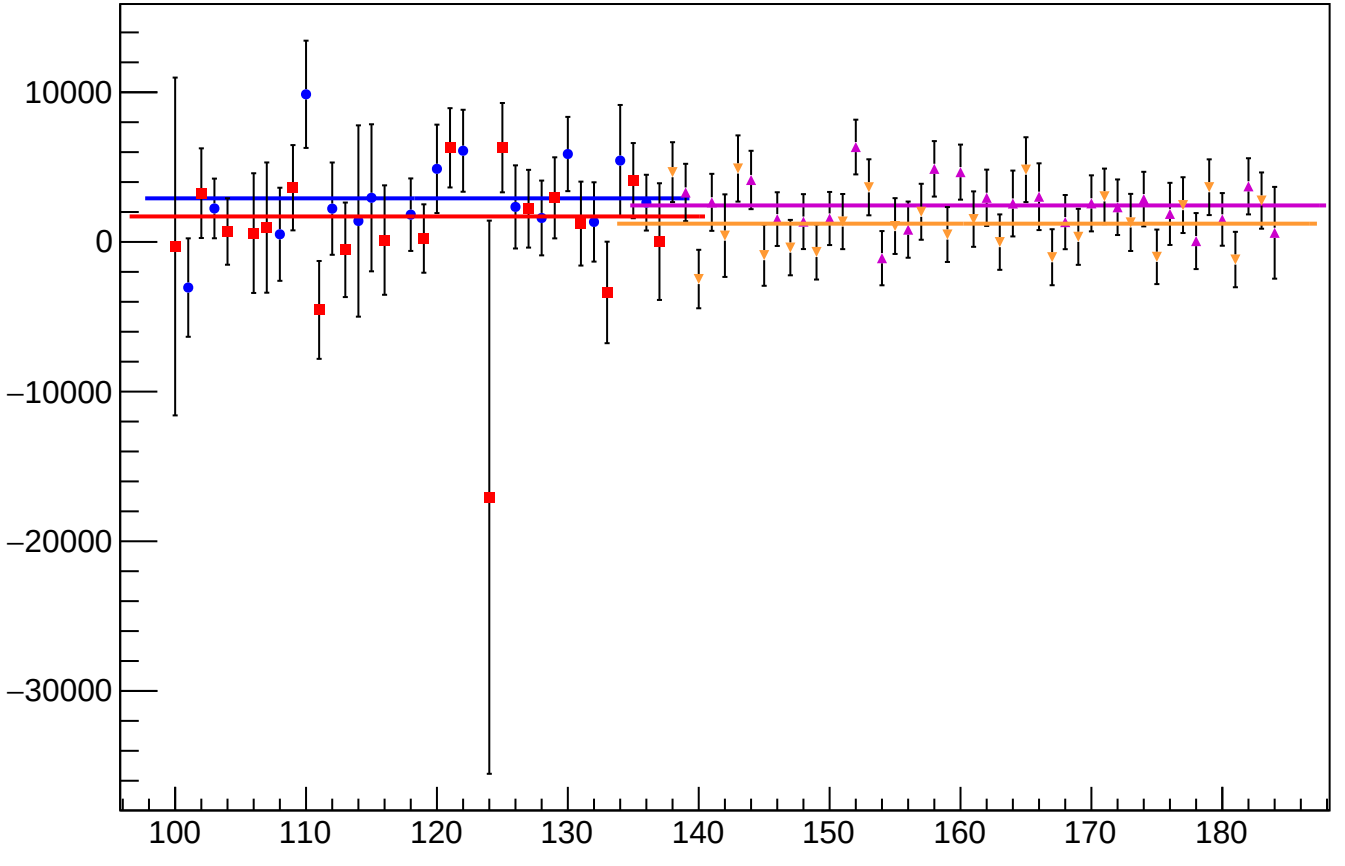
Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 3073.992+/-0.518 χ^2/NDF:15557733.1/38

Out: 2966.478+/-0.498 χ^2/NDF:16095434.0/42

All: 3018.116+/-0.359 χ^2/NDF: 31675560.5/8

cor_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1820.657+/-279.254 χ^2/NDF: 48.4/46

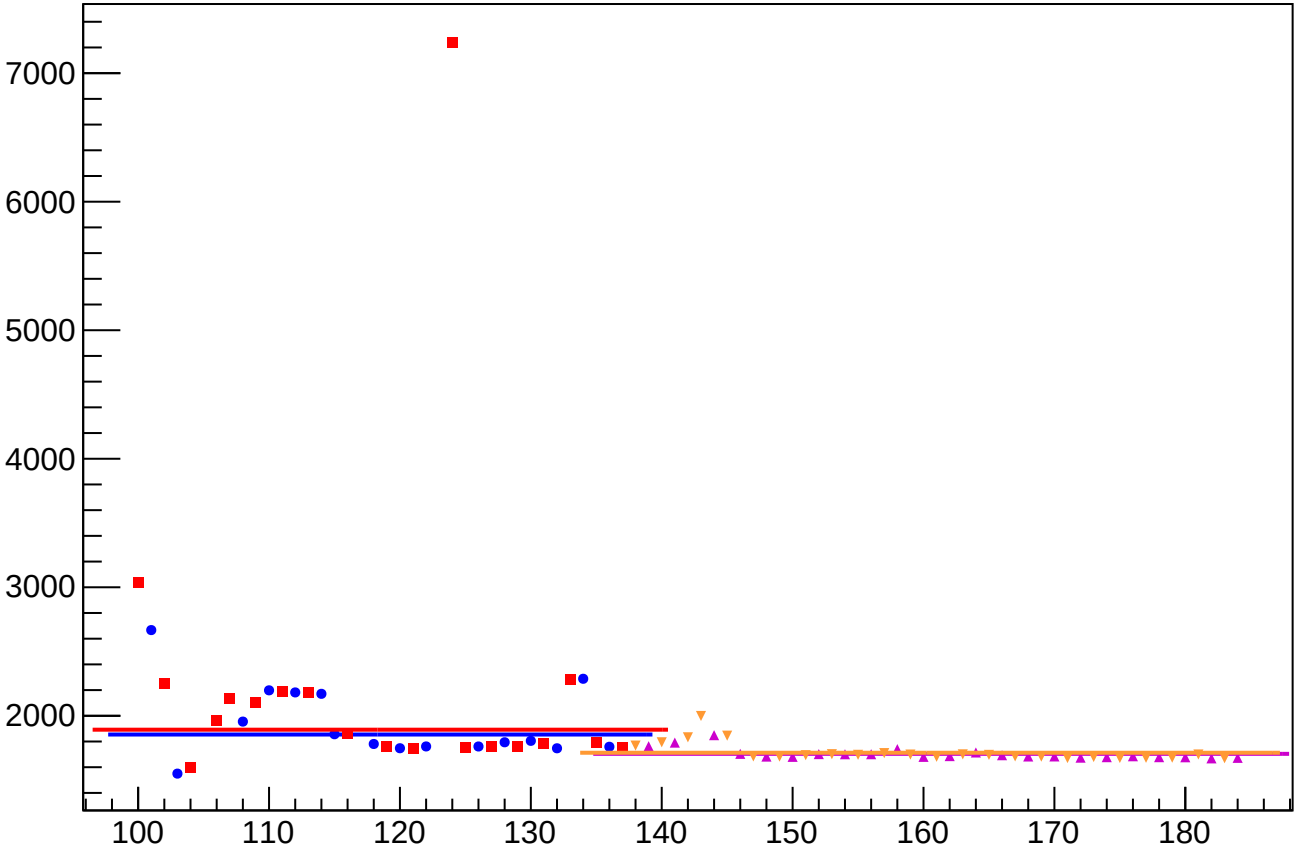
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2556.004+/-345.364 χ^2/NDF:30.3/38

Out: 1334.421+/-342.779 χ^2/NDF:42.3/42

All: 1940.624+/-243.290 χ^2/NDF: 78.9/81

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: 1703.969+/-0.281 χ^2/NDF:22568.8/22

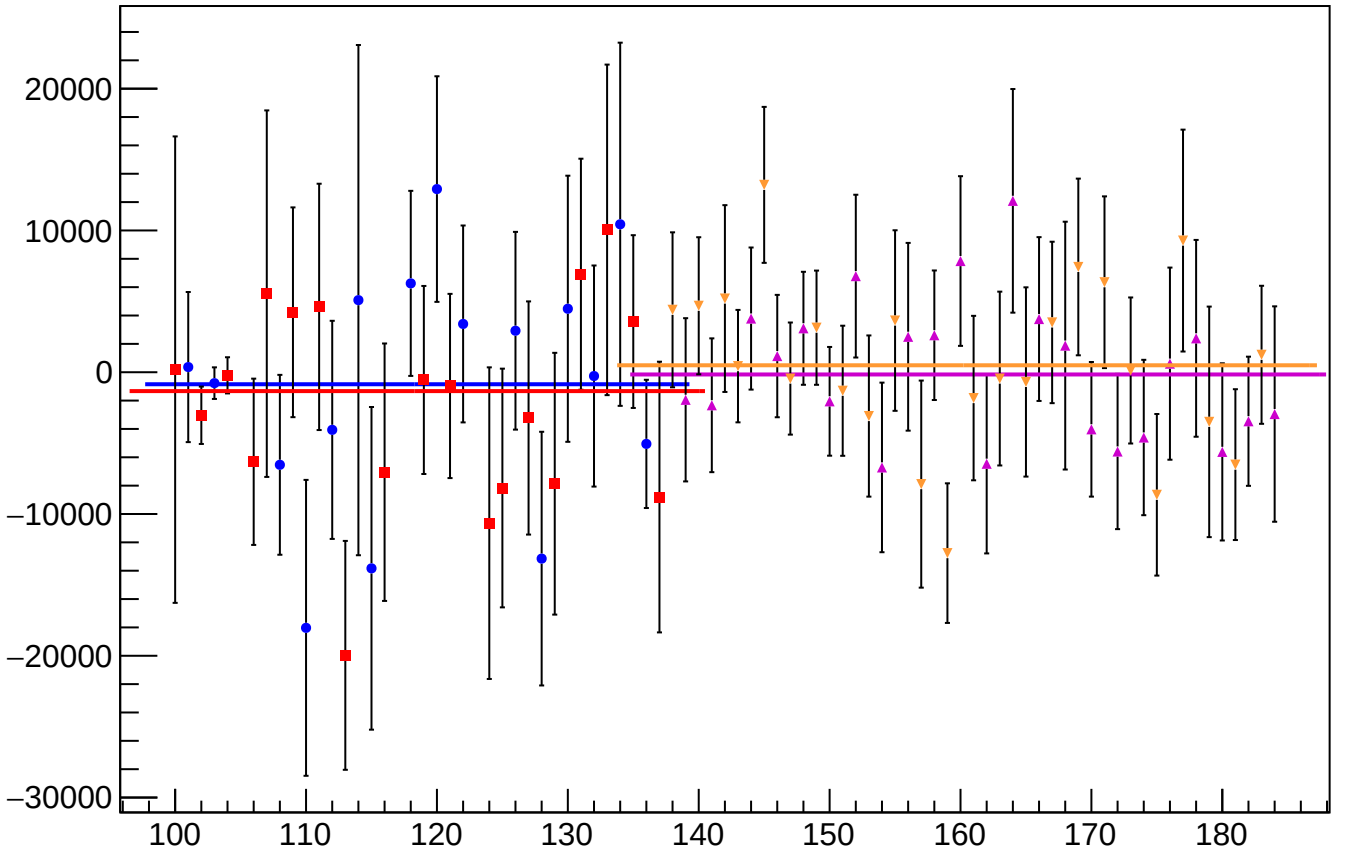
Left: 1708.336+/-0.197 χ^2/NDF: 82537.1/46

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1741.088+/-0.244 χ^2/NDF:356363.1/38

Out: 1754.886+/-0.242 χ^2/NDF:522588.5/42

All: 1748.042+/-0.172 χ^2/NDF: 880560.5/81



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: -157.977+/-1128.443 χ^2/NDF:14.7/22

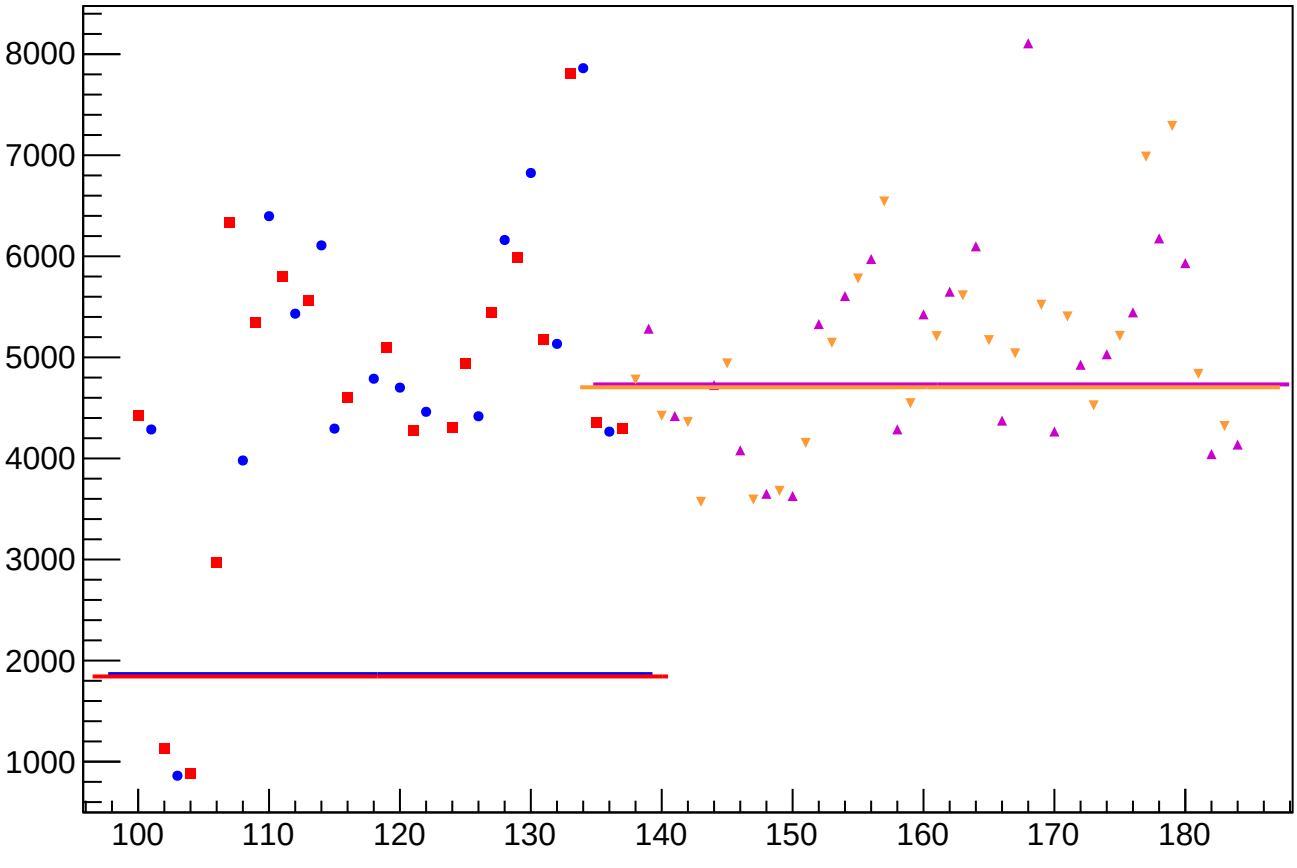
Left: 174.198+/-788.086 χ^2/NDF: 40.3/46

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -556.993+/-732.463 χ^2/NDF:28.8/38

Out: -555.664+/-718.491 χ^2/NDF:41.5/42

All: -556.315+/-512.918 χ^2/NDF: 70.3/81



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: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

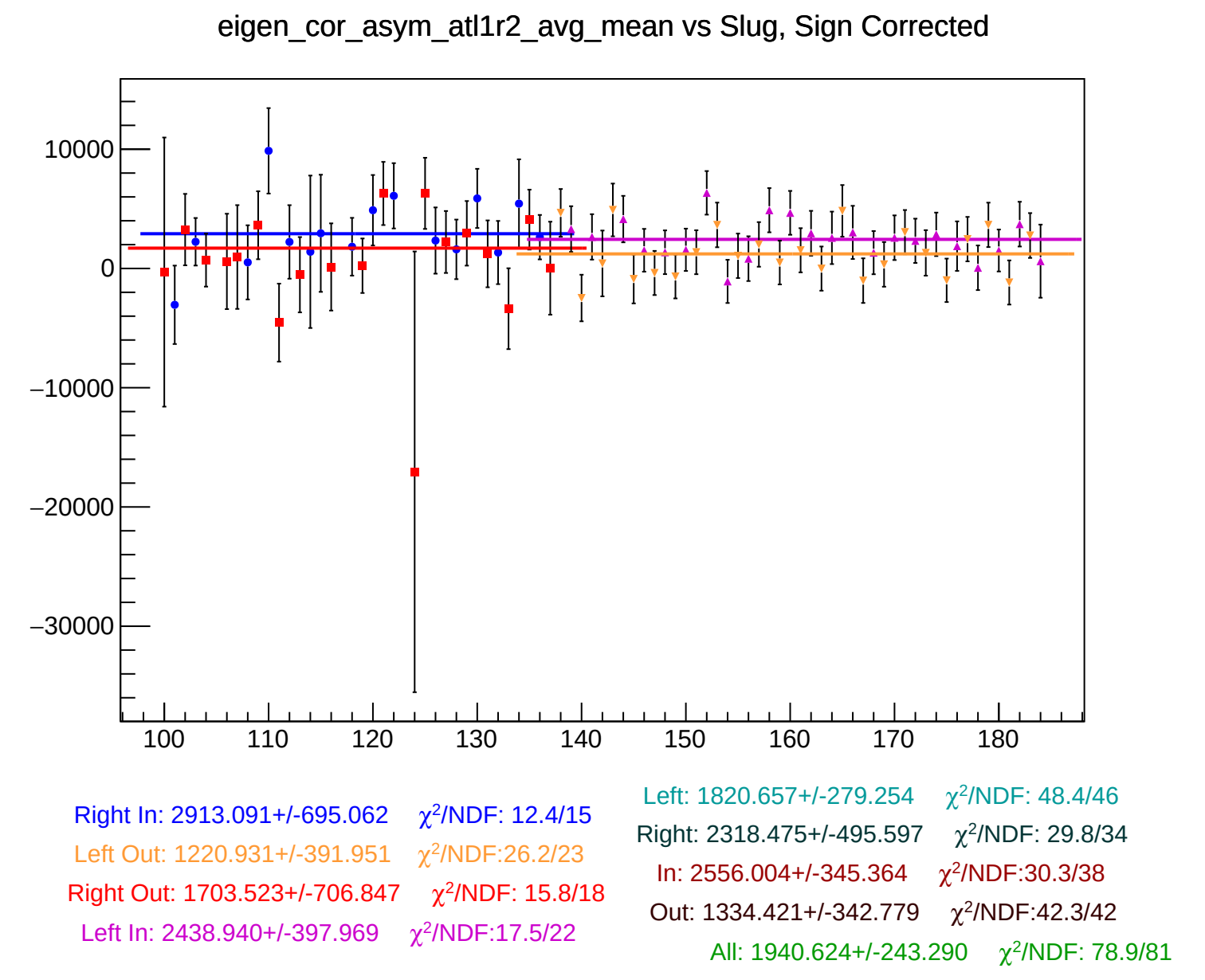
Left: 4717.825+/-0.557 χ^2/NDF: 2478871.2/46

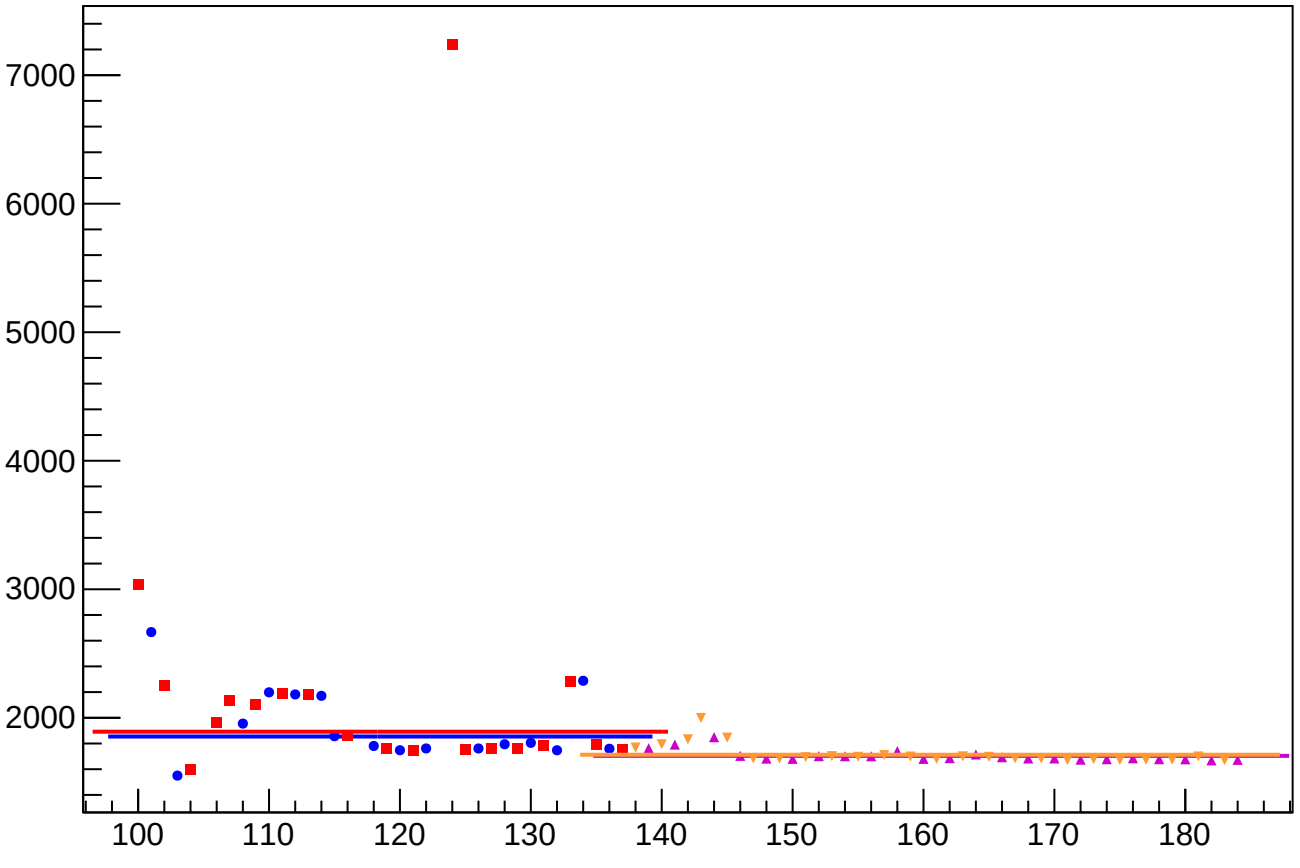
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 3073.825+/-0.518 χ^2/NDF:15559306.8/38

Out: 3061.062+/-0.508 χ^2/NDF:15447412.9/42

All: 3067.321+/-0.363 χ^2/NDF: 31007029.2/8


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: 2438.940+/-397.969 χ²/NDF:17.5/22
Left: 1820.657+/-279.254 χ²/NDF: 48.4/46
Right: 2318.475+/-495.597 χ²/NDF: 29.8/34
In: 2556.004+/-345.364 χ²/NDF:30.3/38
Out: 1334.421+/-342.779 χ²/NDF:42.3/42
All: 1940.624+/-243.290 χ²/NDF: 78.9/81



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: 1703.969+/-0.281 χ^2/NDF:22568.8/22

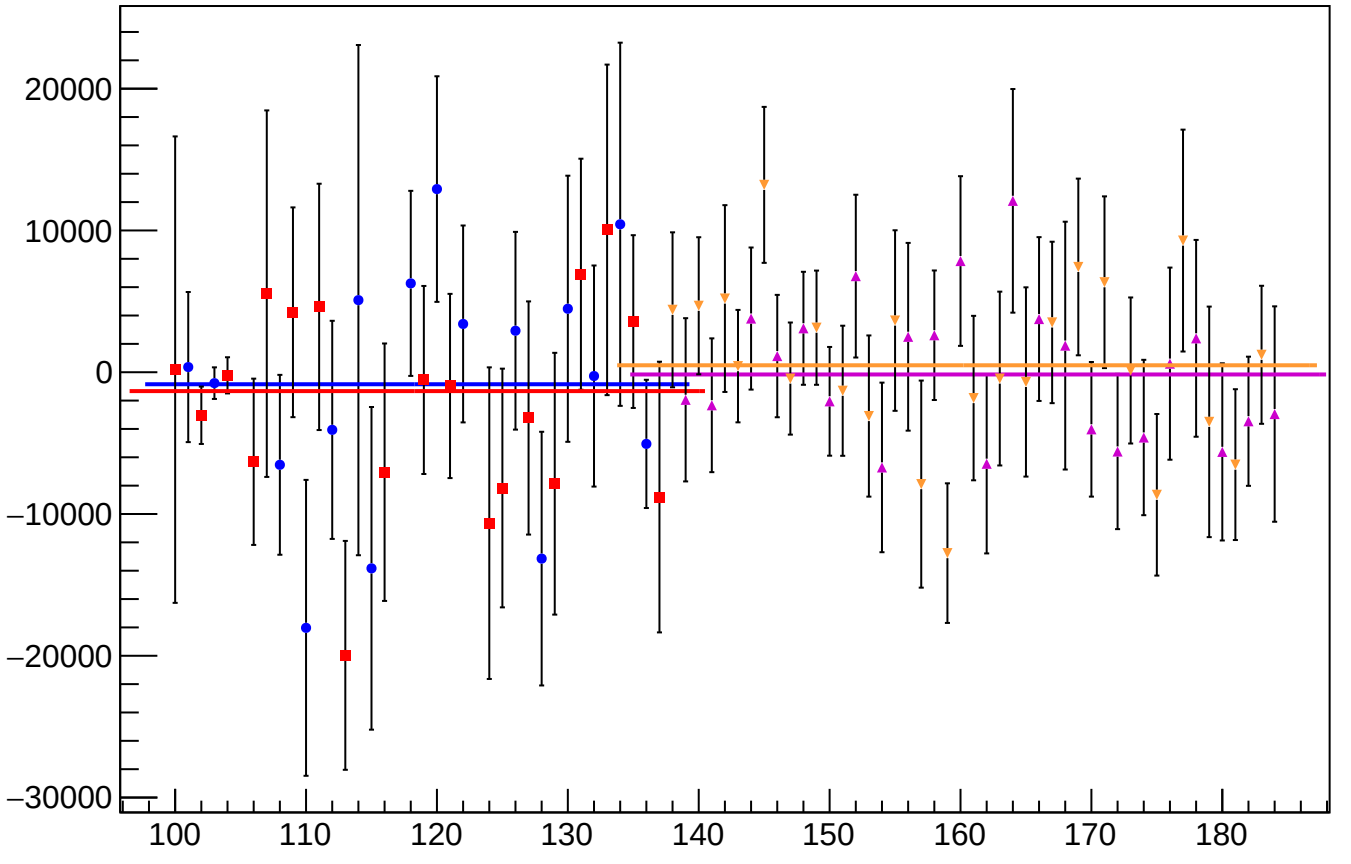
Left: 1708.336+/-0.197 χ^2/NDF: 82537.1/46

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1741.088+/-0.244 χ^2/NDF:356363.1/38

Out: 1754.886+/-0.242 χ^2/NDF:522588.5/42

All: 1748.042+/-0.172 χ^2/NDF: 880560.5/81



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: -157.977+/-1128.443 χ^2/NDF:14.7/22

Left: 174.198+/-788.086 χ^2/NDF: 40.3/46

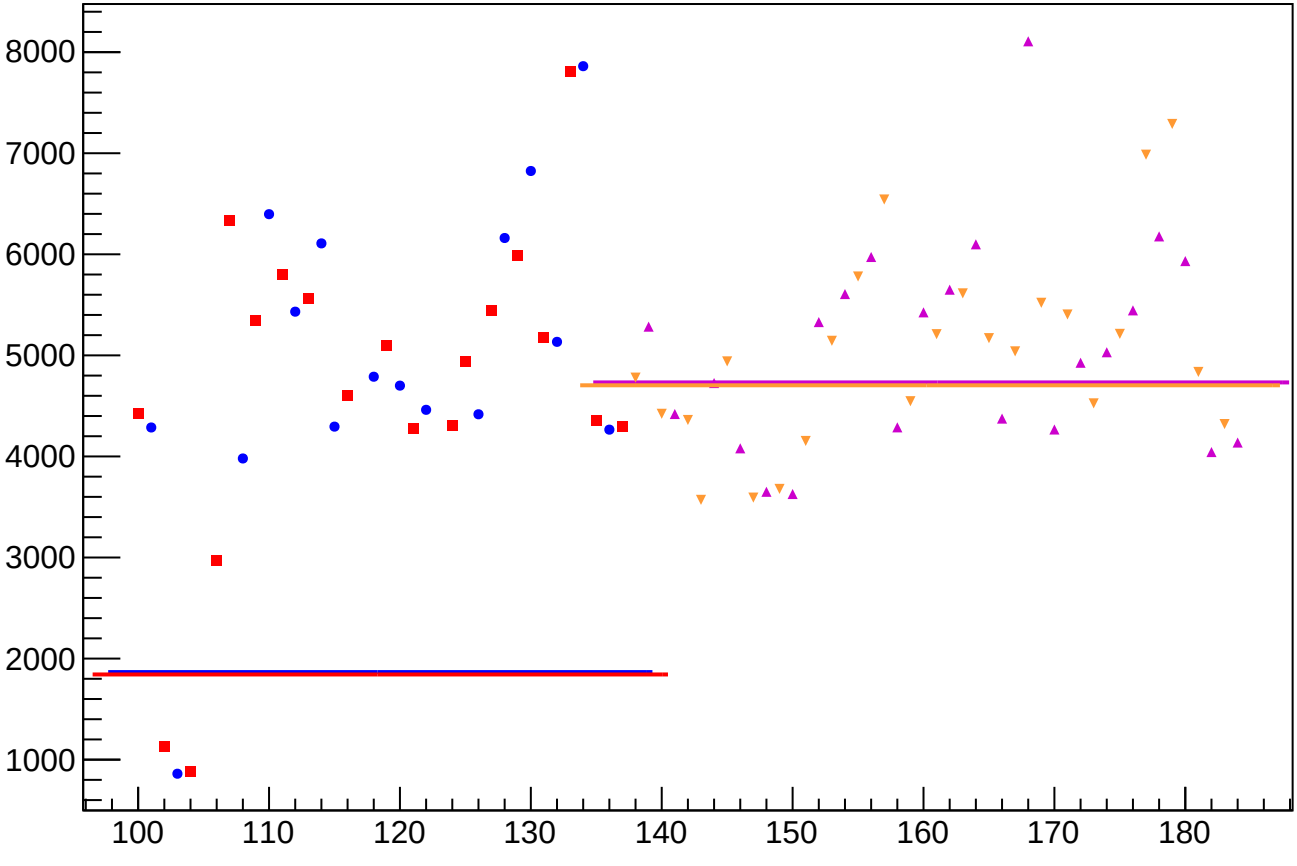
Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -556.993+/-732.463 χ^2/NDF:28.8/38

Out: -555.664+/-718.491 χ^2/NDF:41.5/42

All: -556.315+/-512.918 χ^2/NDF: 70.3/81

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: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

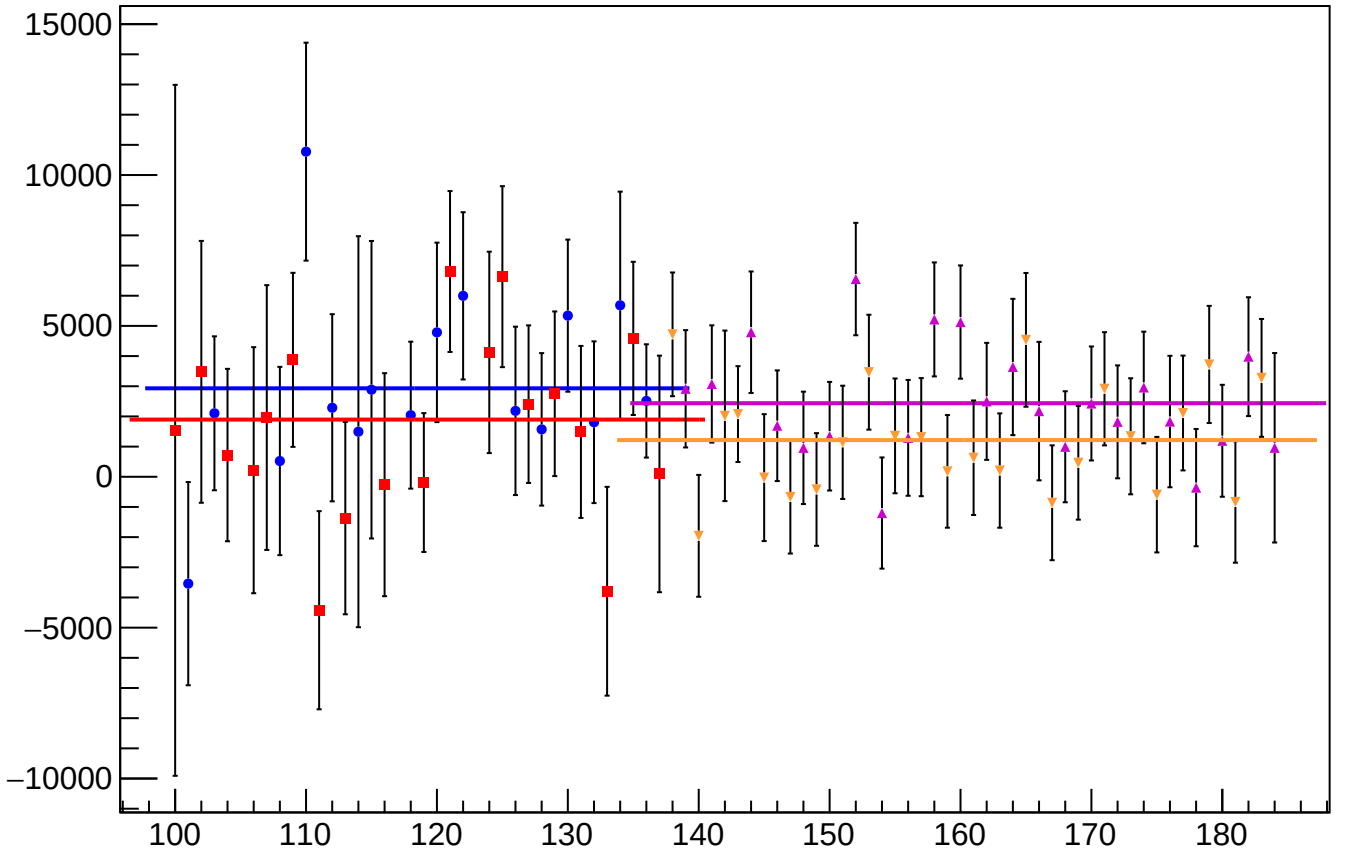
Left: 4717.825+/-0.557 χ^2/NDF: 2478871.2/46

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 3073.825+/-0.518 χ^2/NDF:15559306.8/38

Out: 3061.062+/-0.508 χ^2/NDF:15447412.9/42

All: 3067.321+/-0.363 χ^2/NDF: 31007029.2/8



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: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1808.879+/-283.948 χ^2/NDF: 44.6/46

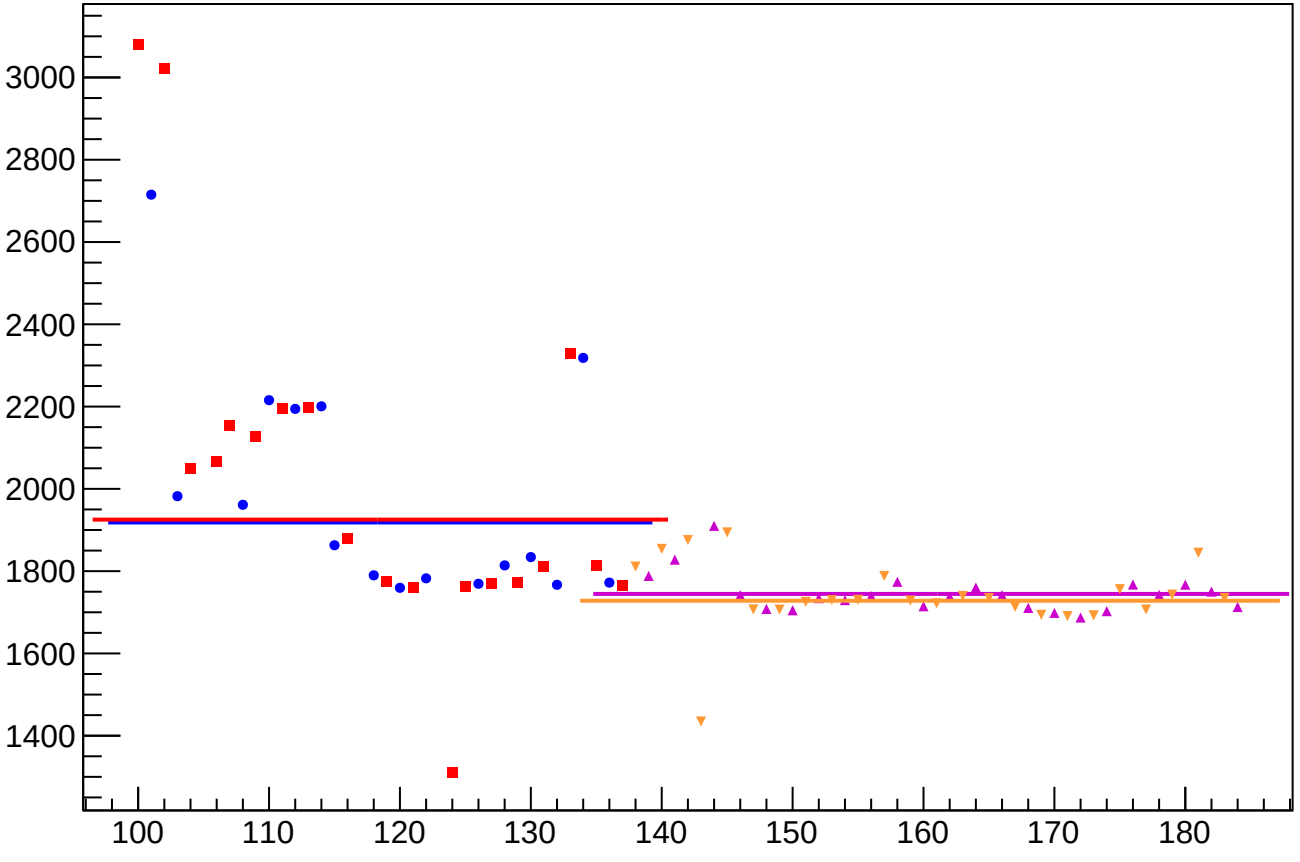
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2558.272+/-354.470 χ^2/NDF:33.9/38

Out: 1372.563+/-347.086 χ^2/NDF:37.4/42

All: 1952.938+/-247.996 χ^2/NDF: 77.1/81

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: 1744.633+/-0.288 χ^2/NDF:26798.0/22

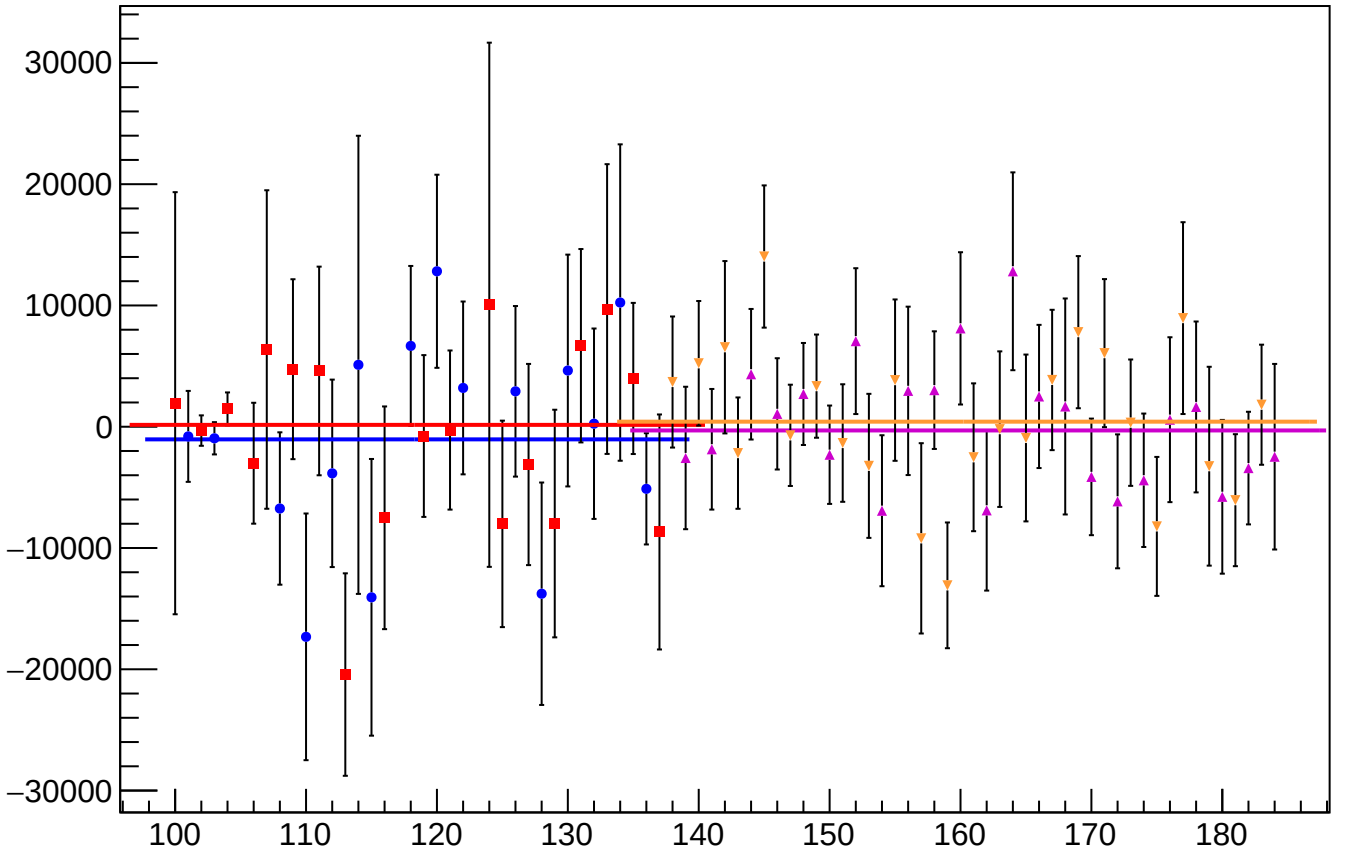
Left: 1736.101+/-0.201 χ^2/NDF: 138177.0/46

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1786.941+/-0.251 χ^2/NDF:330898.1/38

Out: 1773.691+/-0.245 χ^2/NDF:563654.4/42

All: 1780.175+/-0.175 χ^2/NDF: 895979.6/81



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 417.865+/-1150.705 χ^2/NDF:25.3/23

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

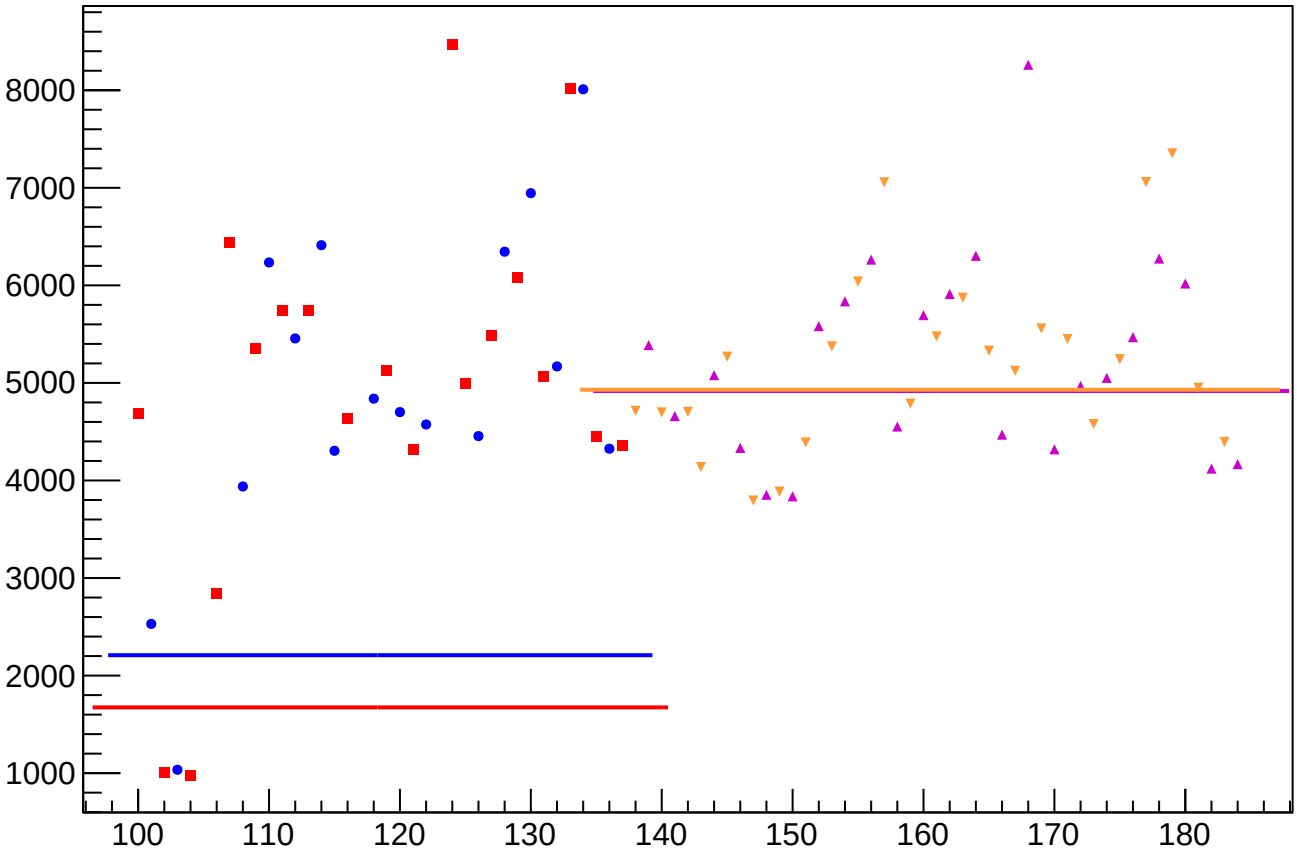
Left: 62.213+/-820.759 χ^2/NDF: 40.0/46

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -706.288+/-790.874 χ^2/NDF:28.5/38

Out: 244.860+/-676.166 χ^2/NDF:39.1/42

All: -156.795+/-513.937 χ^2/NDF: 68.5/81



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: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

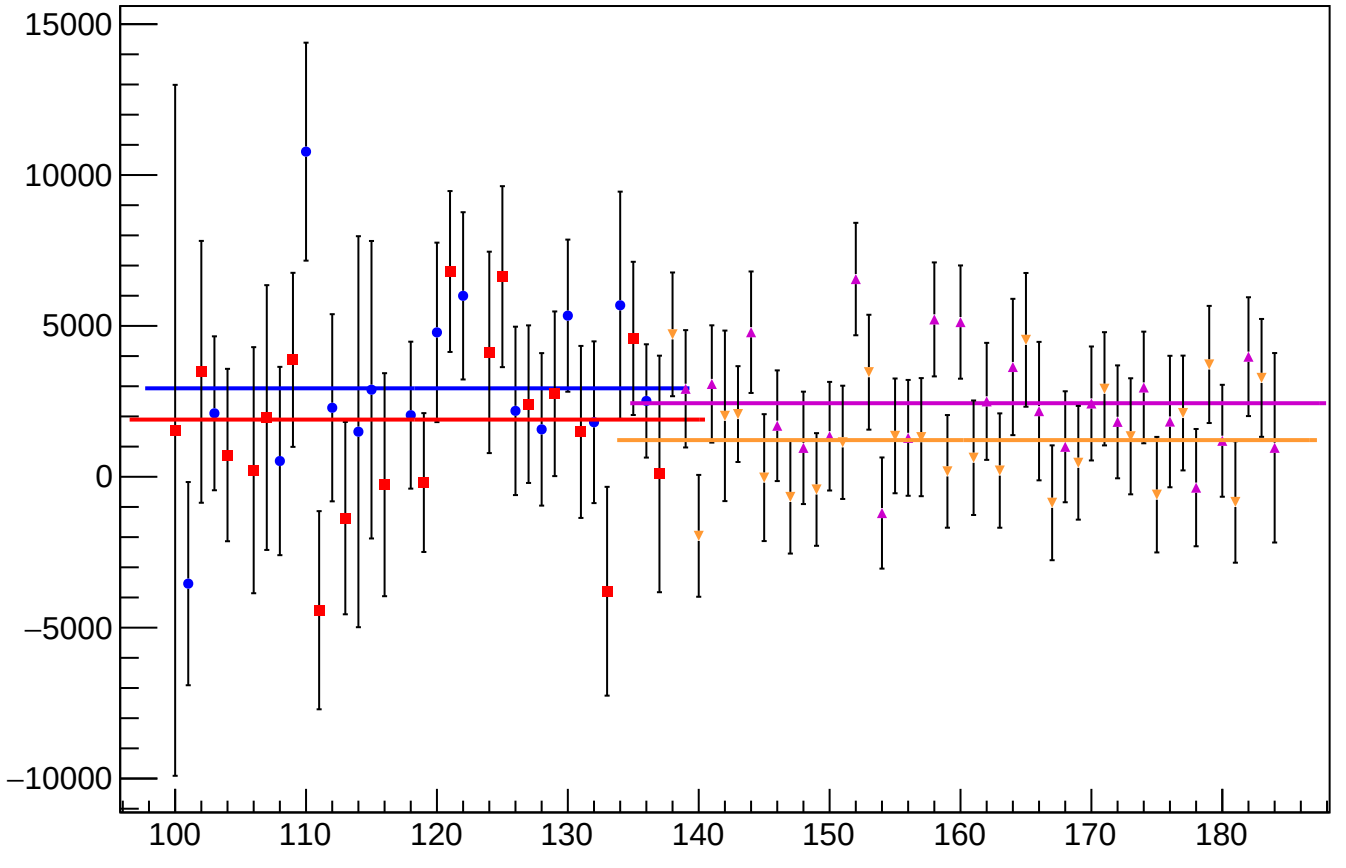
Left: 4923.685+/-0.580 χ^2/NDF: 2206738.5/46

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3444.132+/-0.559 χ^2/NDF:12477836.4/38

Out: 2798.416+/-0.478 χ^2/NDF:18382154.9/42

All: 3071.092+/-0.363 χ^2/NDF: 31630205.4/8



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: 2438.062+/-407.552 χ^2/NDF:20.6/22

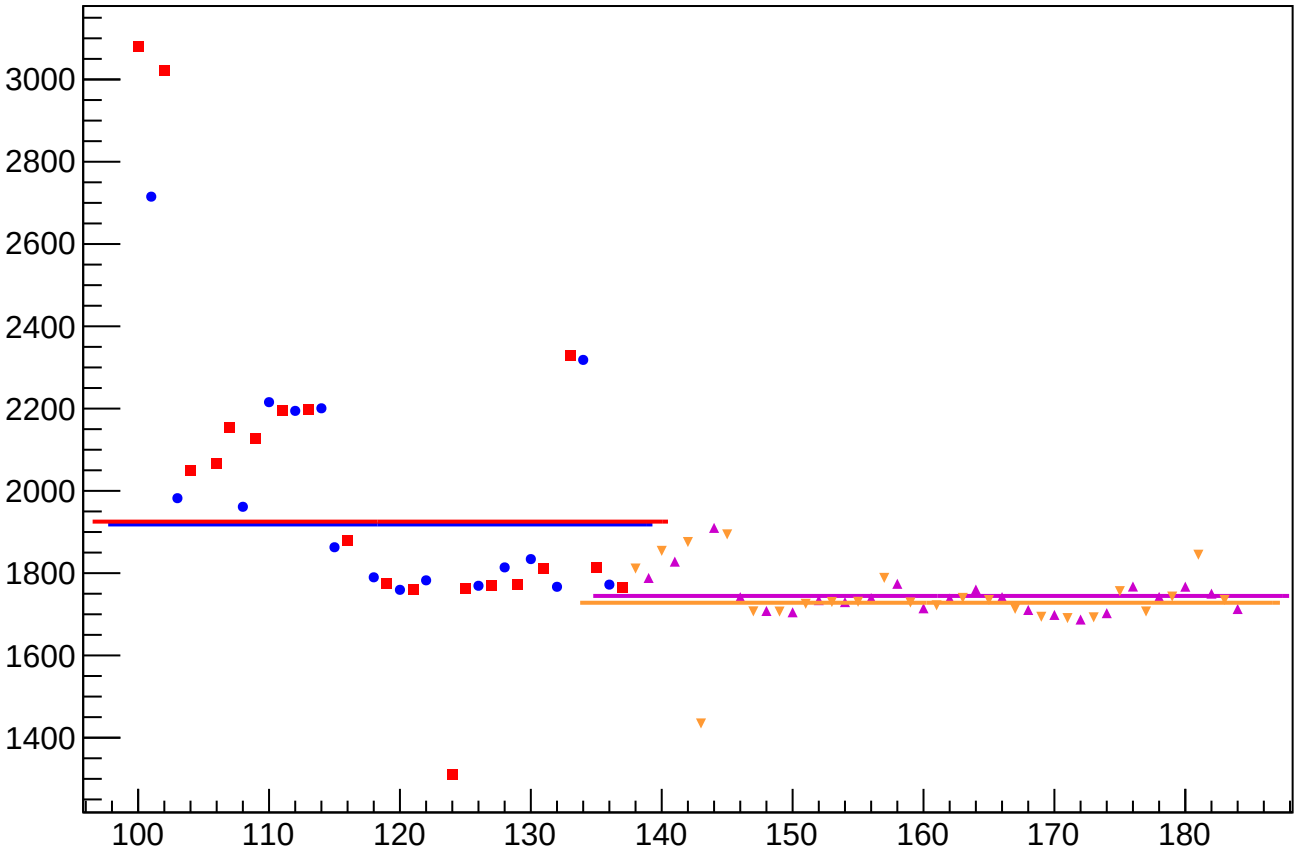
Left: 1808.876+/-283.948 χ^2/NDF: 44.6/46

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2558.273+/-354.471 χ^2/NDF:33.9/38

Out: 1372.560+/-347.086 χ^2/NDF:37.4/42

All: 1952.937+/-247.996 χ^2/NDF: 77.1/81



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: 1744.633+/-0.288 χ^2/NDF:26798.0/22

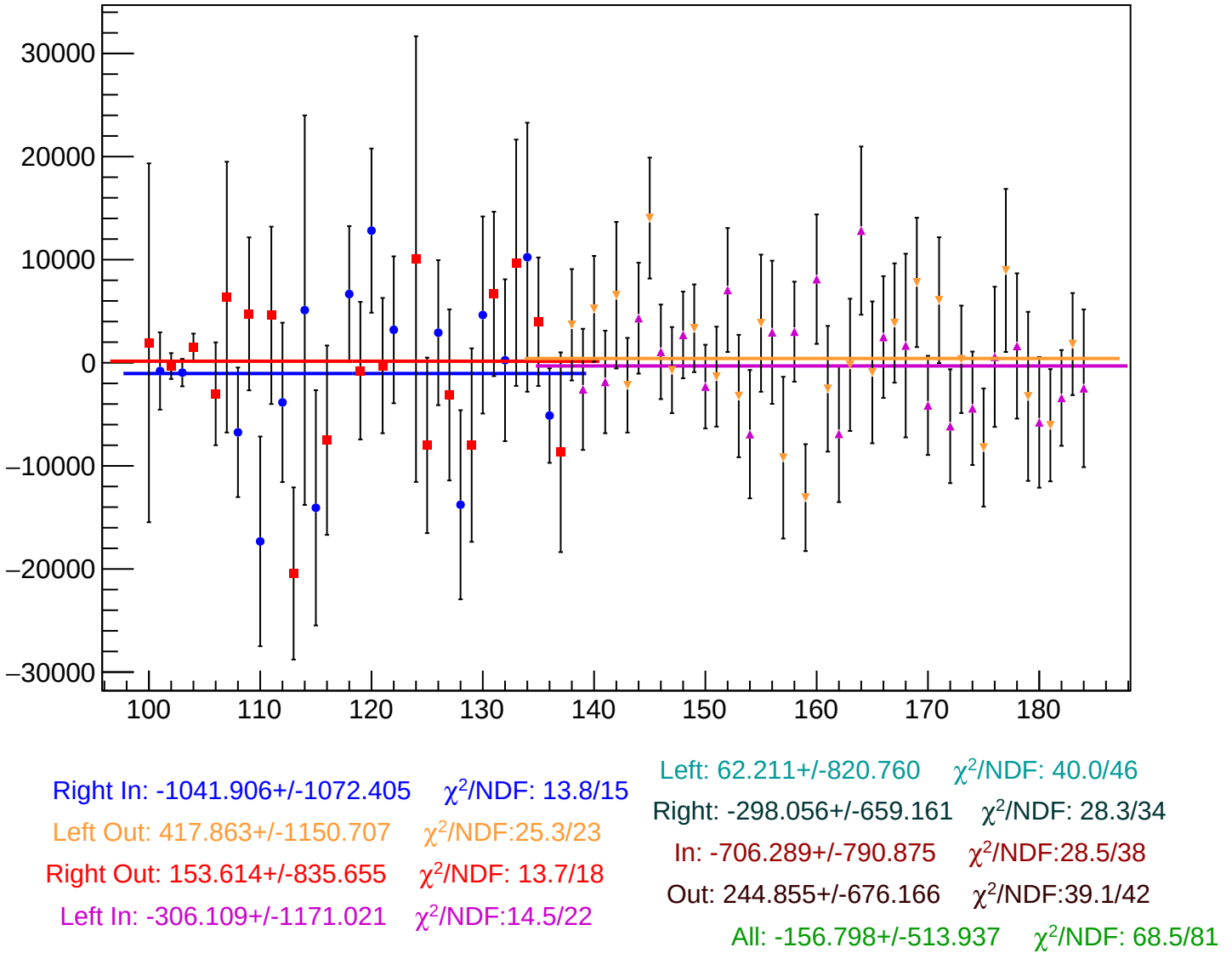
Left: 1736.102+/-0.201 χ^2/NDF: 138176.0/46

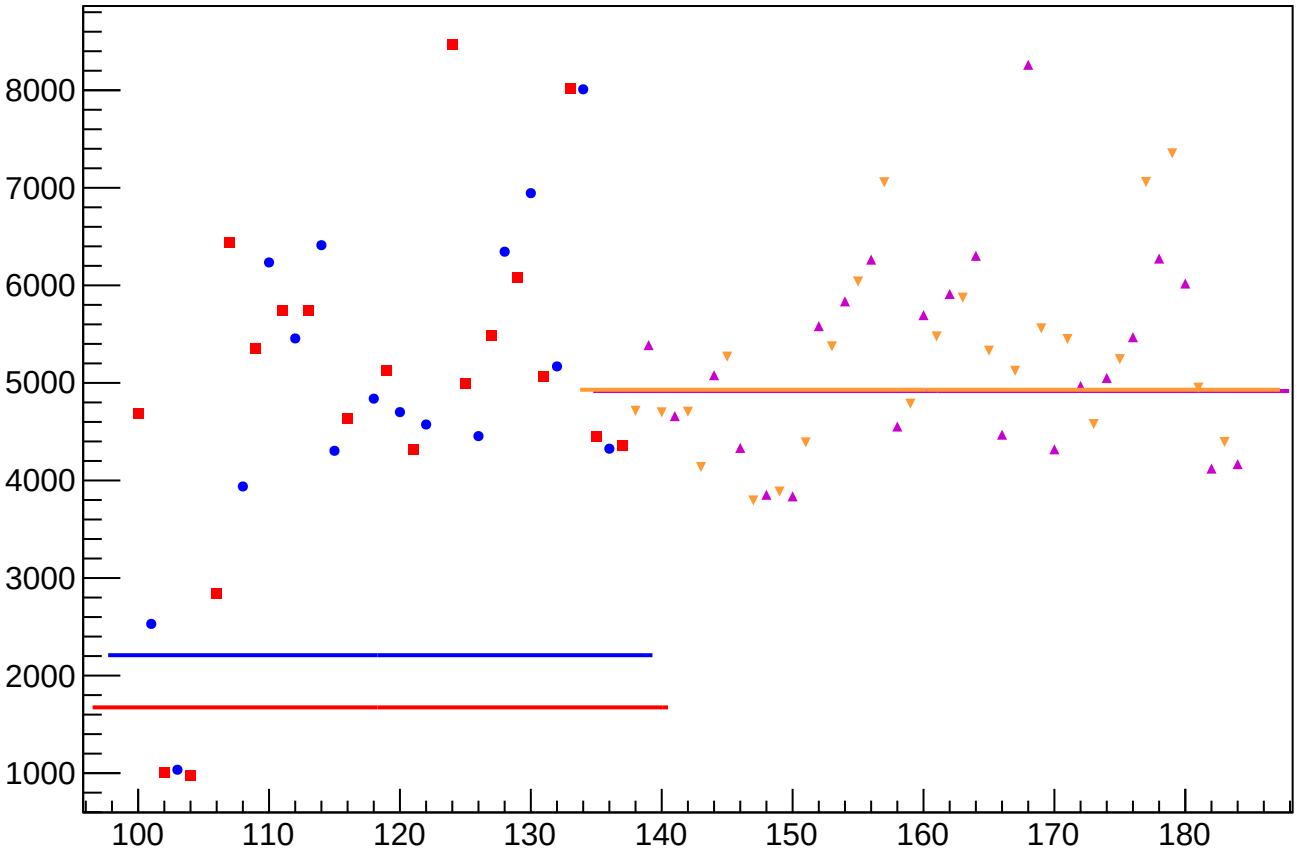
Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1786.942+/-0.251 χ^2/NDF:330896.8/38

Out: 1773.691+/-0.245 χ^2/NDF:563650.9/42

All: 1780.176+/-0.175 χ^2/NDF: 895974.7/81


asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1041.906+/-1072.405 χ²/NDF: 13.8/15
Left Out: 417.863+/-1150.707 χ²/NDF:25.3/23
Right Out: 153.614+/-835.655 χ²/NDF: 13.7/18
Left In: -306.109+/-1171.021 χ²/NDF:14.5/22
Left: 62.211+/-820.760 χ²/NDF: 40.0/46
Right: -298.056+/-659.161 χ²/NDF: 28.3/34
In: -706.289+/-790.875 χ²/NDF:28.5/38
Out: 244.855+/-676.166 χ²/NDF:39.1/42
All: -156.798+/-513.937 χ²/NDF: 68.5/81



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: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

Left: 4923.693+/-0.580 χ^2/NDF: 2206743.3/46

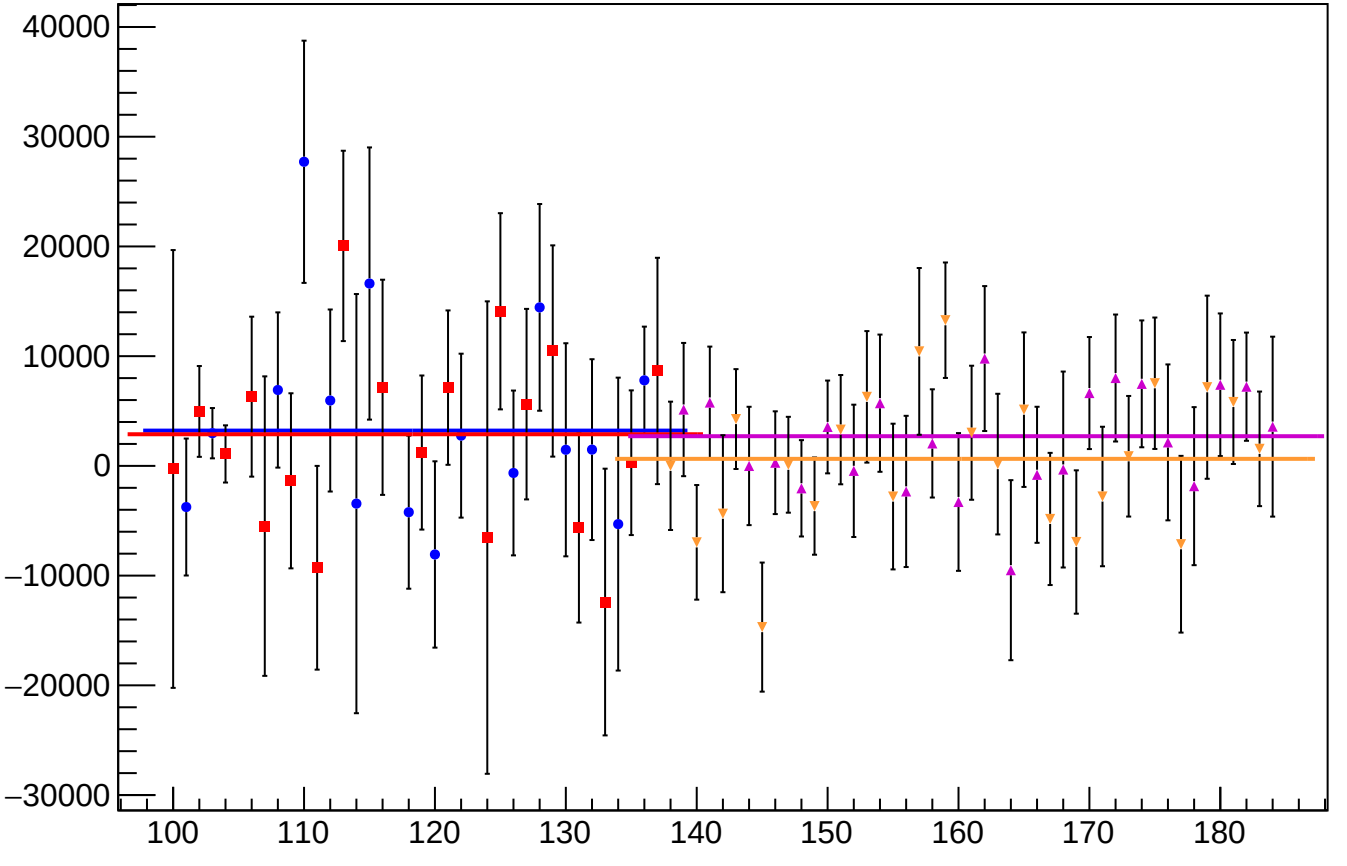
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3444.132+/-0.559 χ^2/NDF:12477862.7/38

Out: 2798.415+/-0.478 χ^2/NDF:18382183.6/42

All: 3071.091+/-0.363 χ^2/NDF: 31630261.4/8

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: 2705.532+/-1206.281 χ^2/NDF:11.9/22

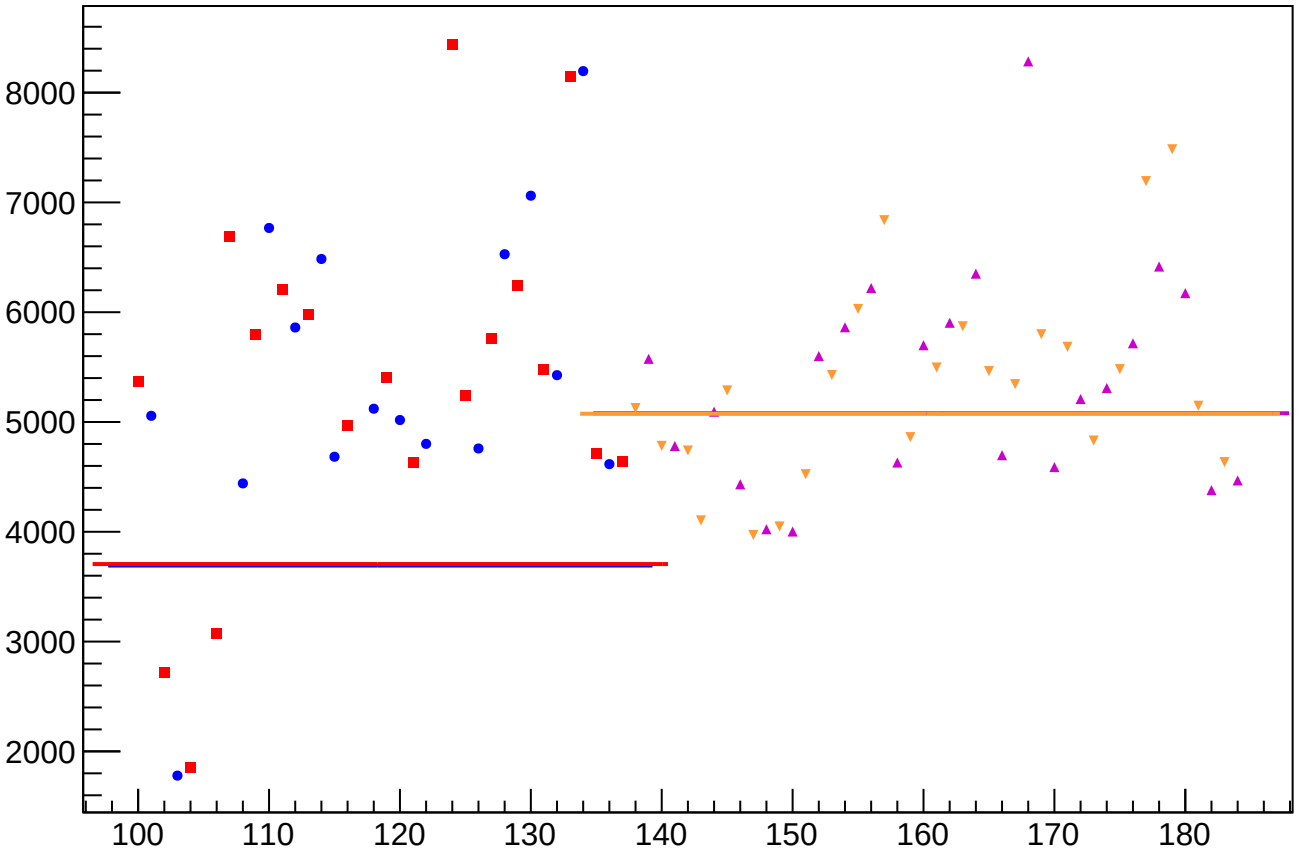
Left: 1652.530+/-844.179 χ^2/NDF: 40.1/46

Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2899.638+/-949.461 χ^2/NDF:25.8/38

Out: 1464.464+/-940.262 χ^2/NDF:41.4/42

All: 2175.065+/-668.094 χ^2/NDF: 68.3/81



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 5075.230+/-0.836 χ^2/NDF:949606.6/23

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

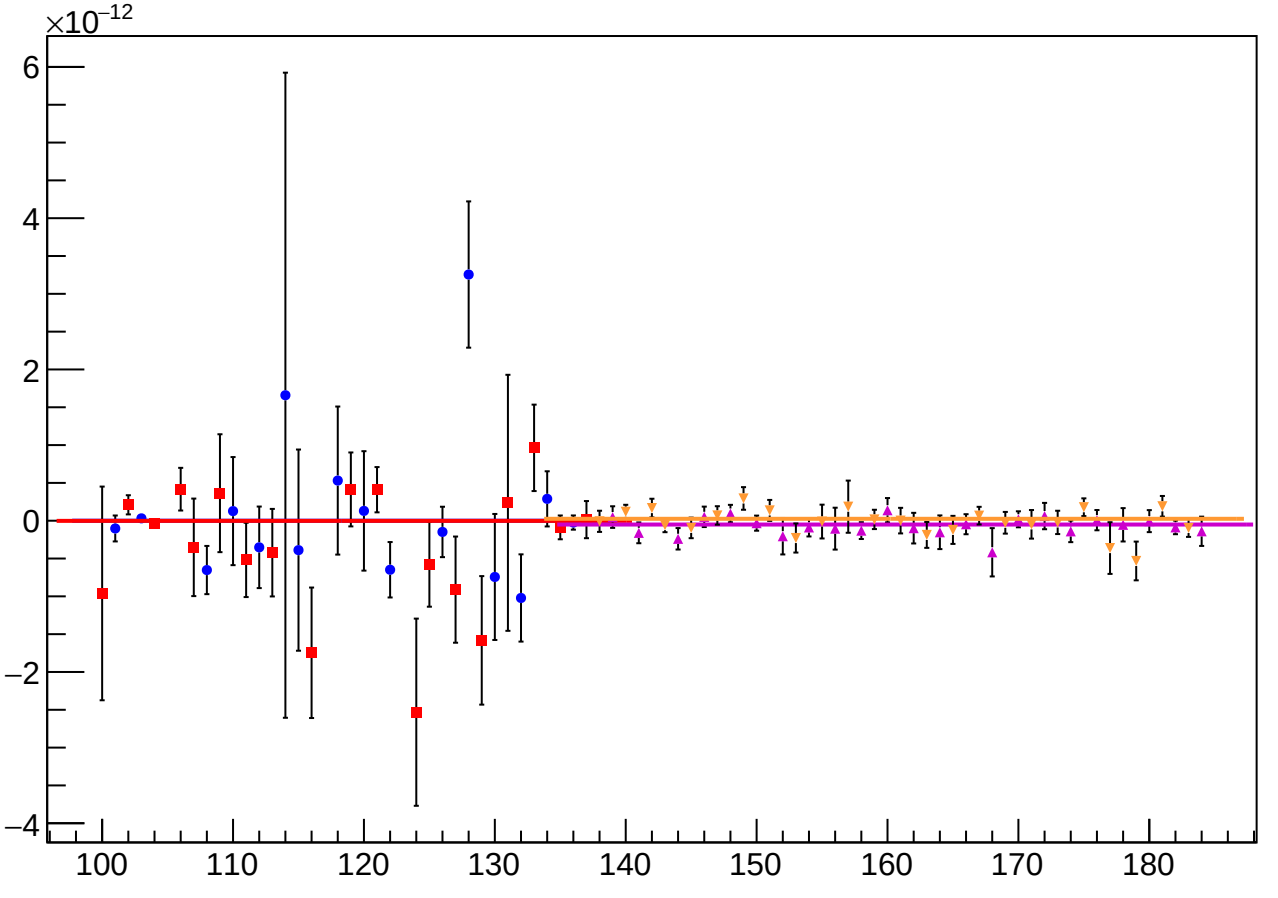
Left: 5077.426+/-0.597 χ^2/NDF: 1950862.1/46

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4552.031+/-0.671 χ^2/NDF:4892793.0/38

Out: 4566.376+/-0.662 χ^2/NDF:4631813.4/42

All: 4559.299+/-0.472 χ^2/NDF: 9524837.7/81



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:11.0/22

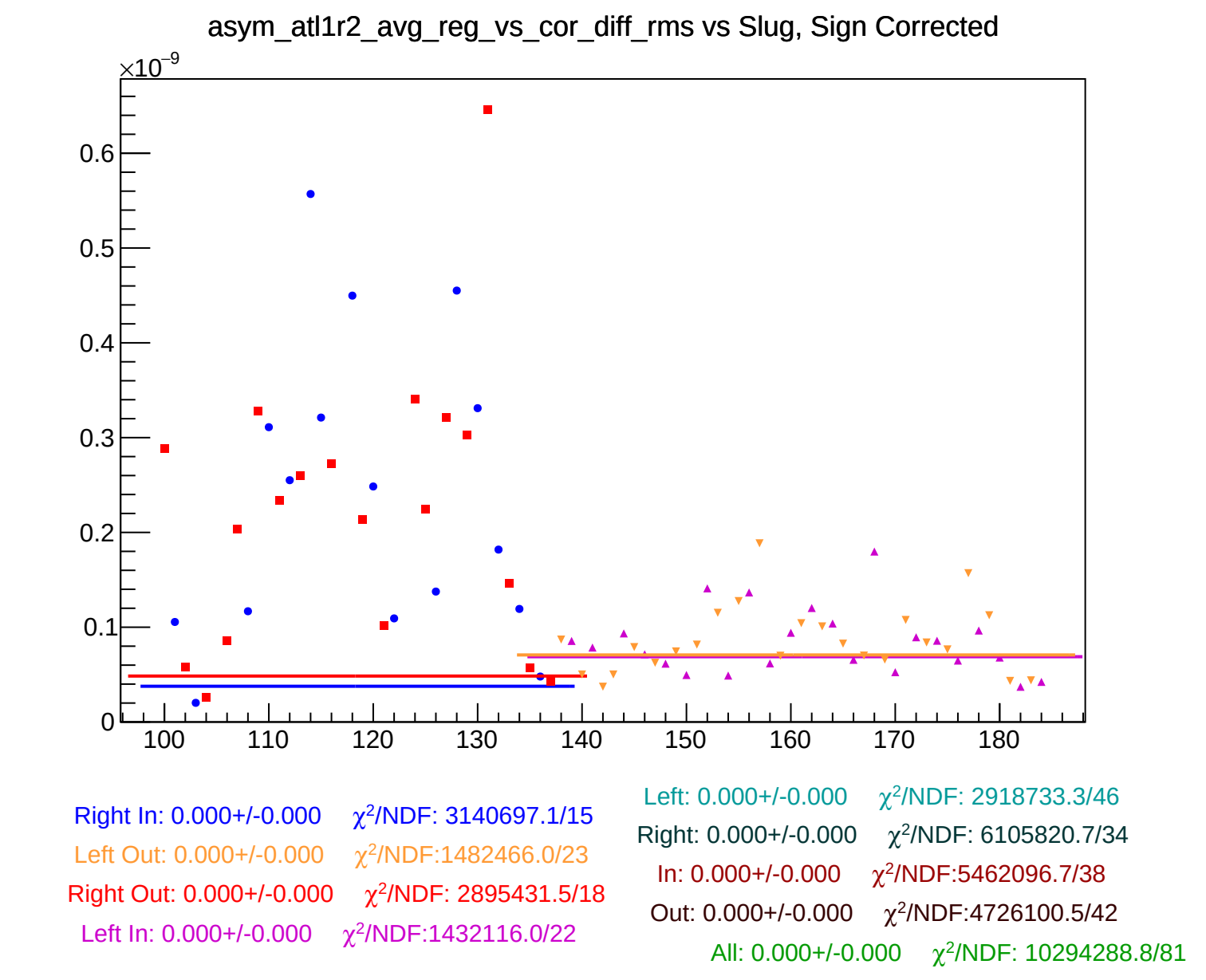
Left: -0.000+/-0.000 χ^2/NDF: 37.3/46

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

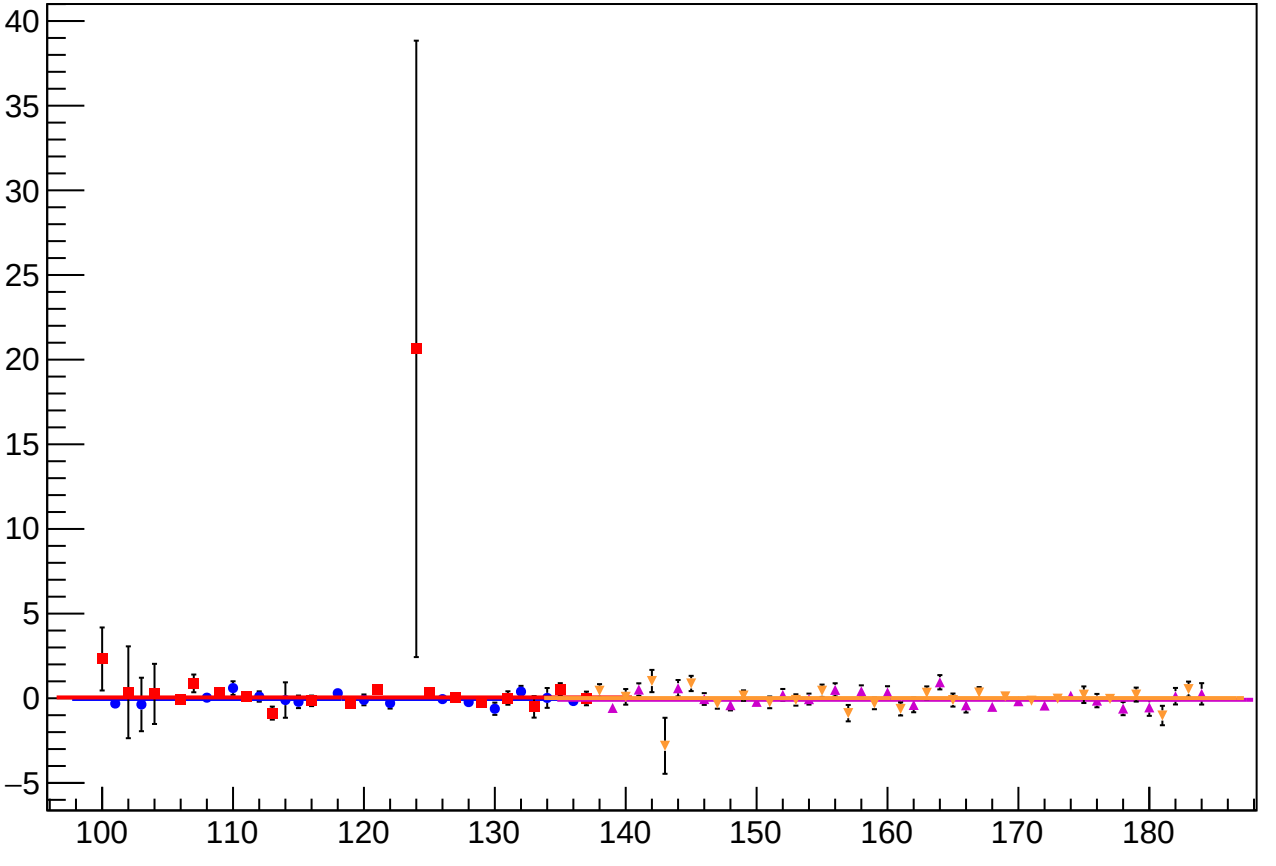
In: -0.000+/-0.000 χ^2/NDF:37.6/38

Out: 0.000+/-0.000 χ^2/NDF:51.4/42

All: -0.000+/-0.000 χ^2/NDF: 91.1/81


asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1482466.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:1432116.0/22
Left: 0.000+/-0.000 χ²/NDF: 2918733.3/46
Right: 0.000+/-0.000 χ²/NDF: 6105820.7/34
In: 0.000+/-0.000 χ²/NDF:5462096.7/38
Out: 0.000+/-0.000 χ²/NDF:4726100.5/42
All: 0.000+/-0.000 χ²/NDF: 10294288.8/81

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: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.040+/-0.050 χ^2/NDF: 60.1/46

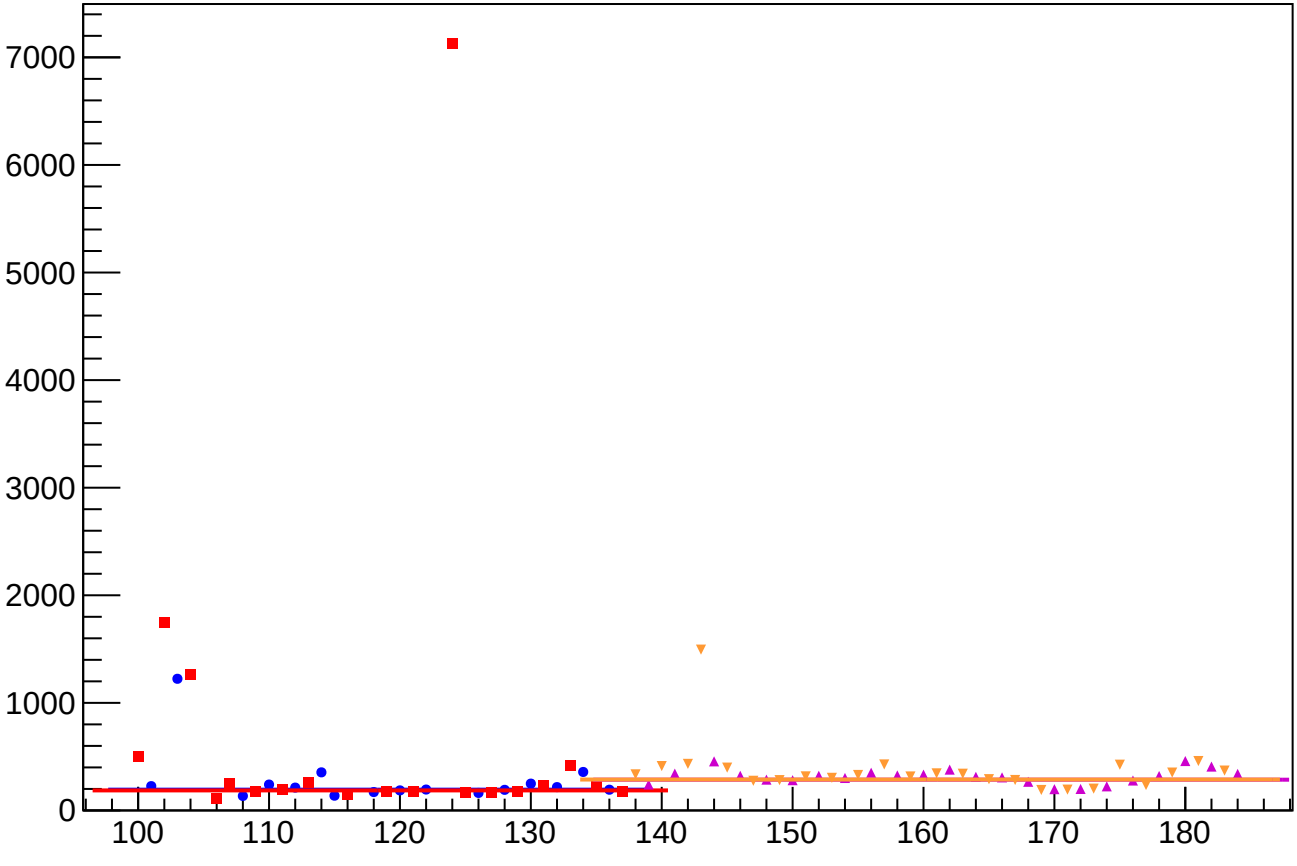
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.052 χ^2/NDF:42.9/38

Out: 0.028+/-0.053 χ^2/NDF:51.3/42

All: -0.021+/-0.037 χ^2/NDF: 95.9/81

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: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 286.599+/-0.035 χ^2/NDF: 5078965.0/46

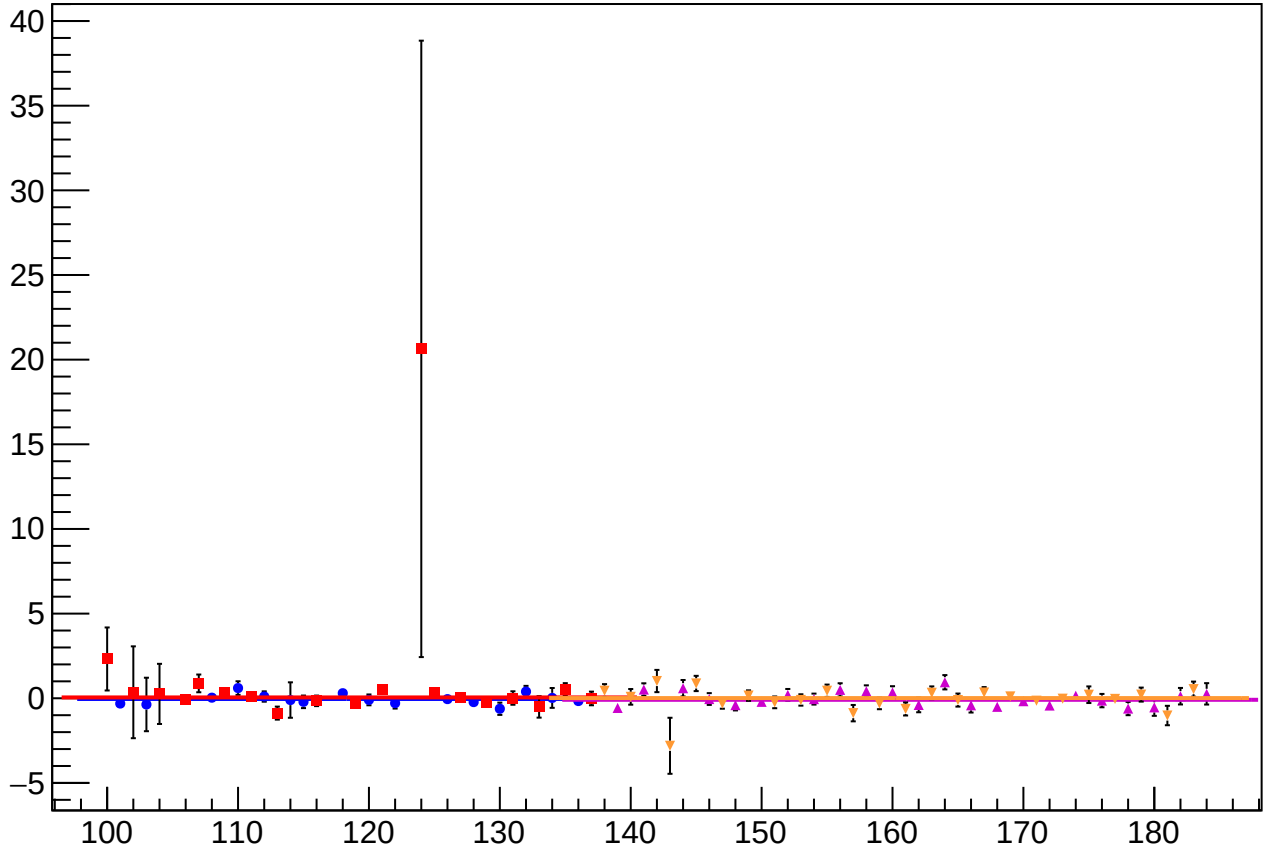
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 244.134+/-0.037 χ^2/NDF:4712216.2/38

Out: 242.201+/-0.037 χ^2/NDF:7628567.5/42

All: 243.176+/-0.026 χ^2/NDF: 12342142.2/81

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: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.040+/-0.050 χ^2/NDF: 60.1/46

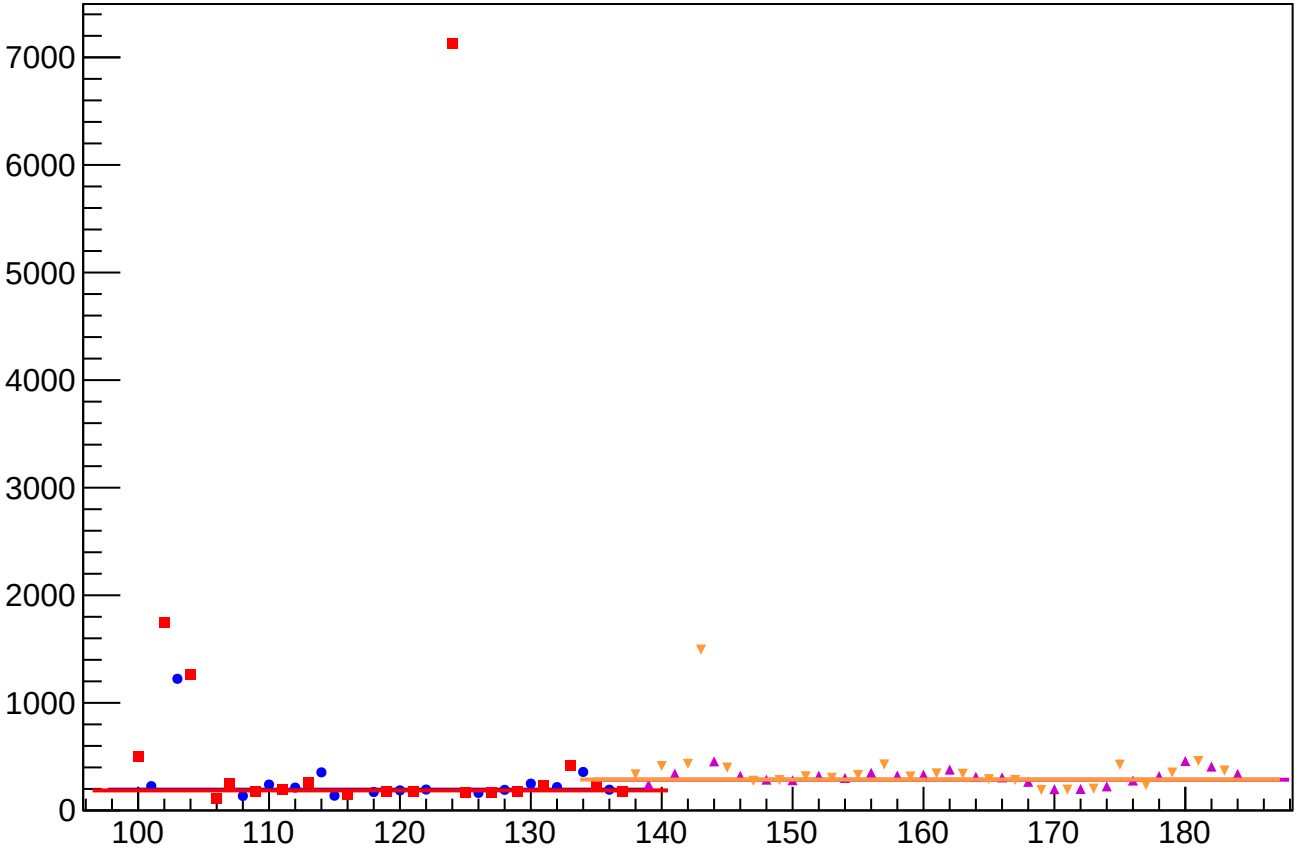
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.052 χ^2/NDF:42.9/38

Out: 0.028+/-0.053 χ^2/NDF:51.3/42

All: -0.021+/-0.037 χ^2/NDF: 95.9/81

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: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 286.599+/-0.035 χ^2/NDF: 5078965.0/46

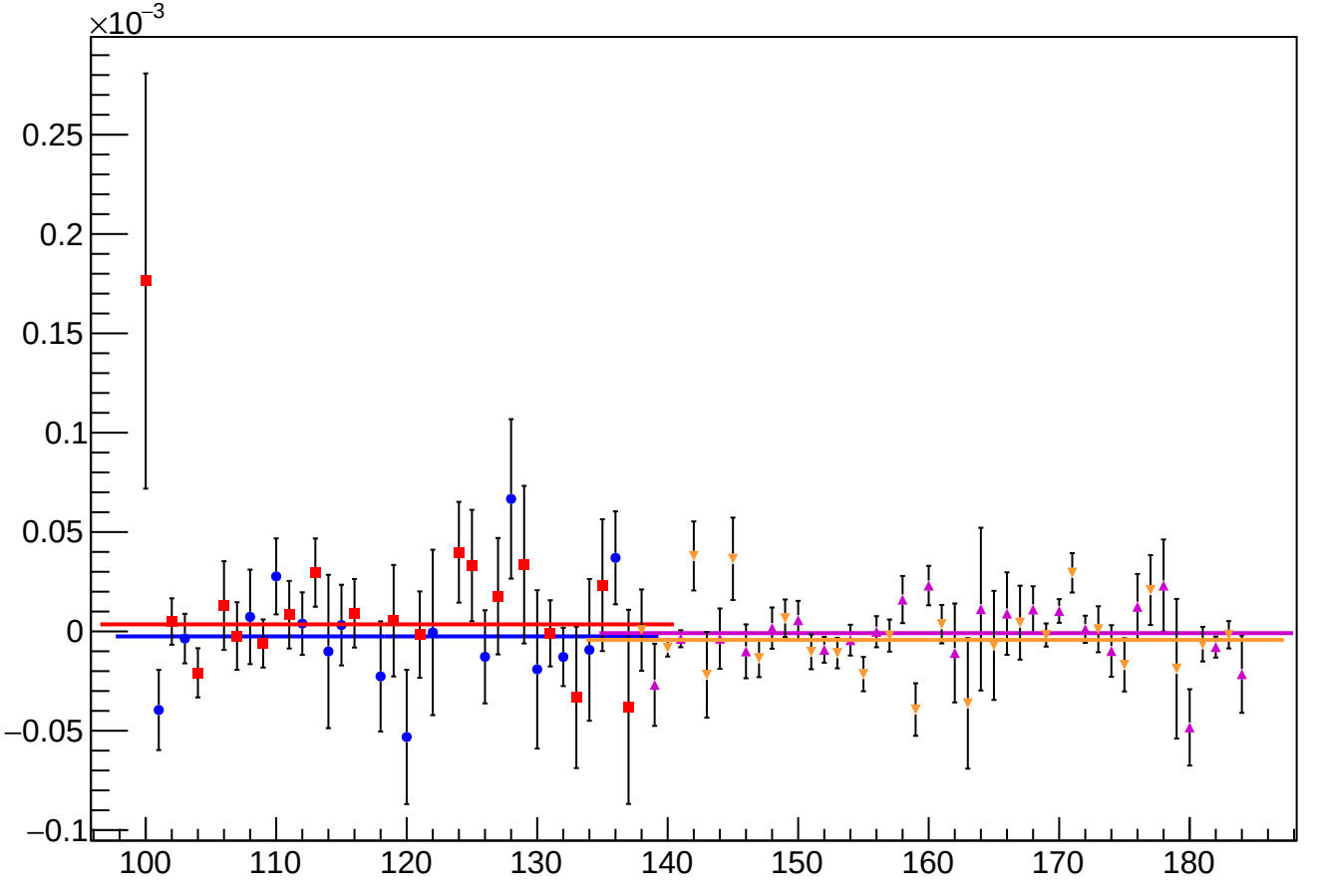
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 244.134+/-0.037 χ^2/NDF:4712216.2/38

Out: 242.201+/-0.037 χ^2/NDF:7628567.5/42

All: 243.176+/-0.026 χ^2/NDF: 12342142.2/81

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:29.0/22

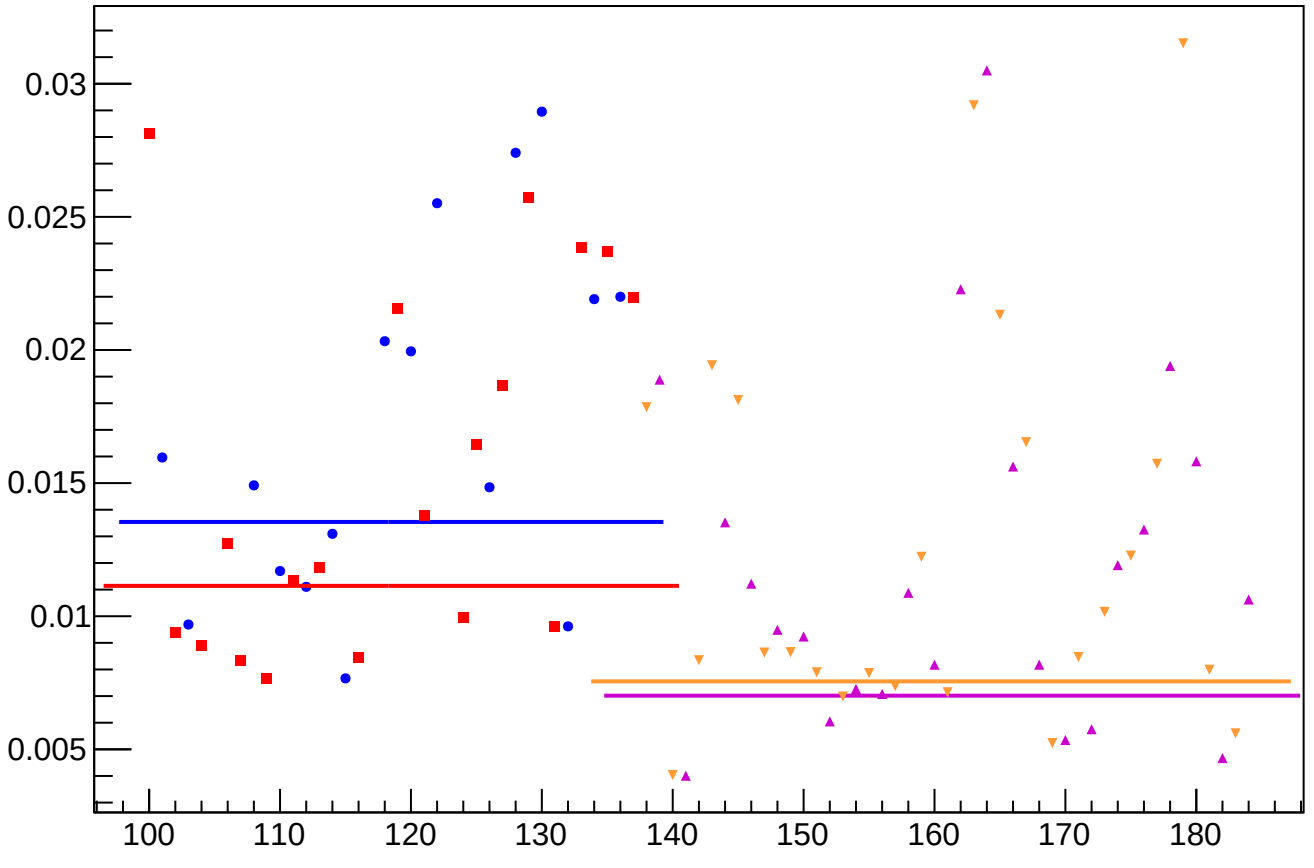
Left: -0.000+/-0.000 χ^2/NDF: 73.5/46

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:44.9/38

Out: -0.000+/-0.000 χ^2/NDF:61.8/42

All: -0.000+/-0.000 χ^2/NDF: 107.3/81



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:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14107618.1/46

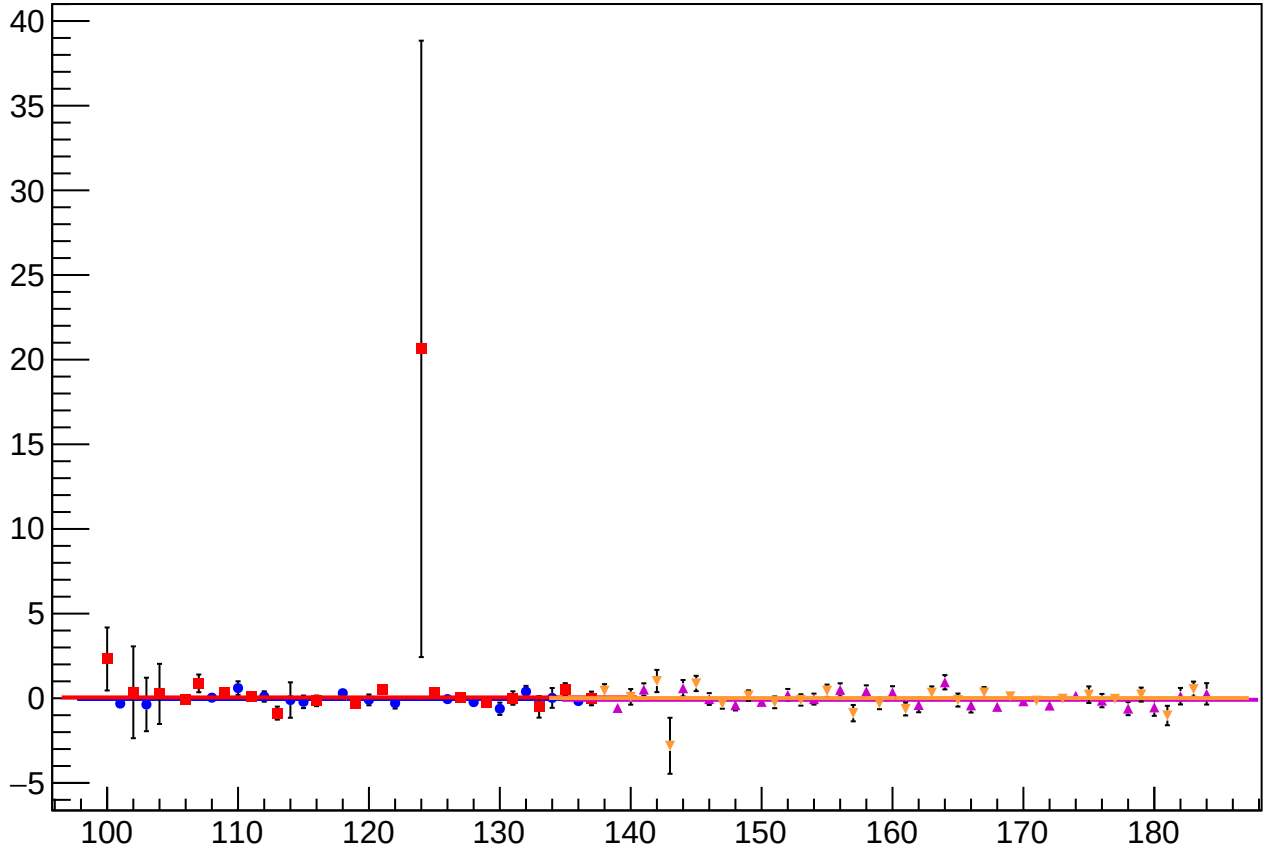
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:11169741.4/38

Out: 0.008+/-0.000 χ^2/NDF:10259443.3/42

All: 0.008+/-0.000 χ^2/NDF: 21481678.4/81

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: -0.091+/-0.070 χ^2/NDF:30.9/22

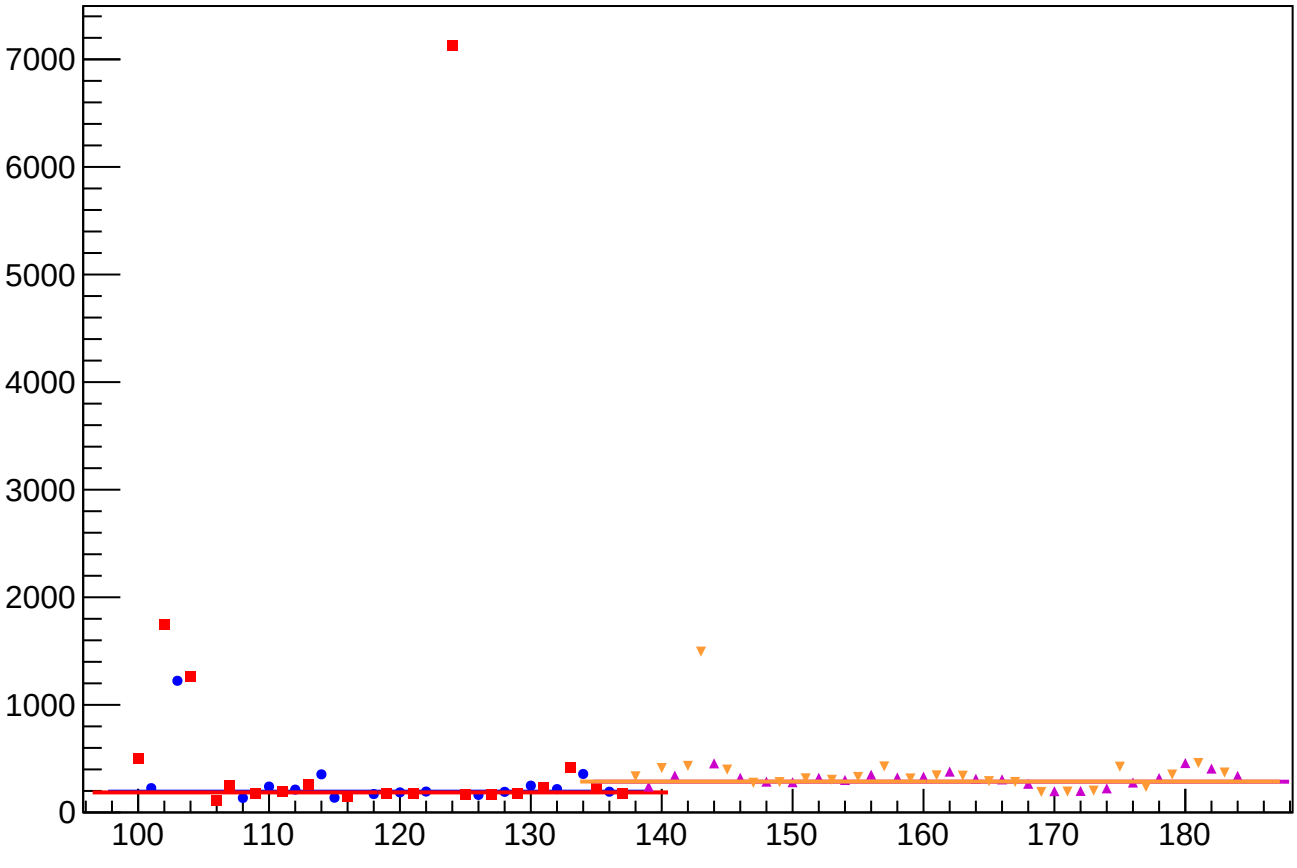
Left: -0.040+/-0.050 χ^2/NDF: 60.1/46

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.052 χ^2/NDF:42.9/38

Out: 0.028+/-0.053 χ^2/NDF:51.3/42

All: -0.021+/-0.037 χ^2/NDF: 95.9/81



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: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 286.602+/-0.035 χ^2/NDF: 5079048.5/46

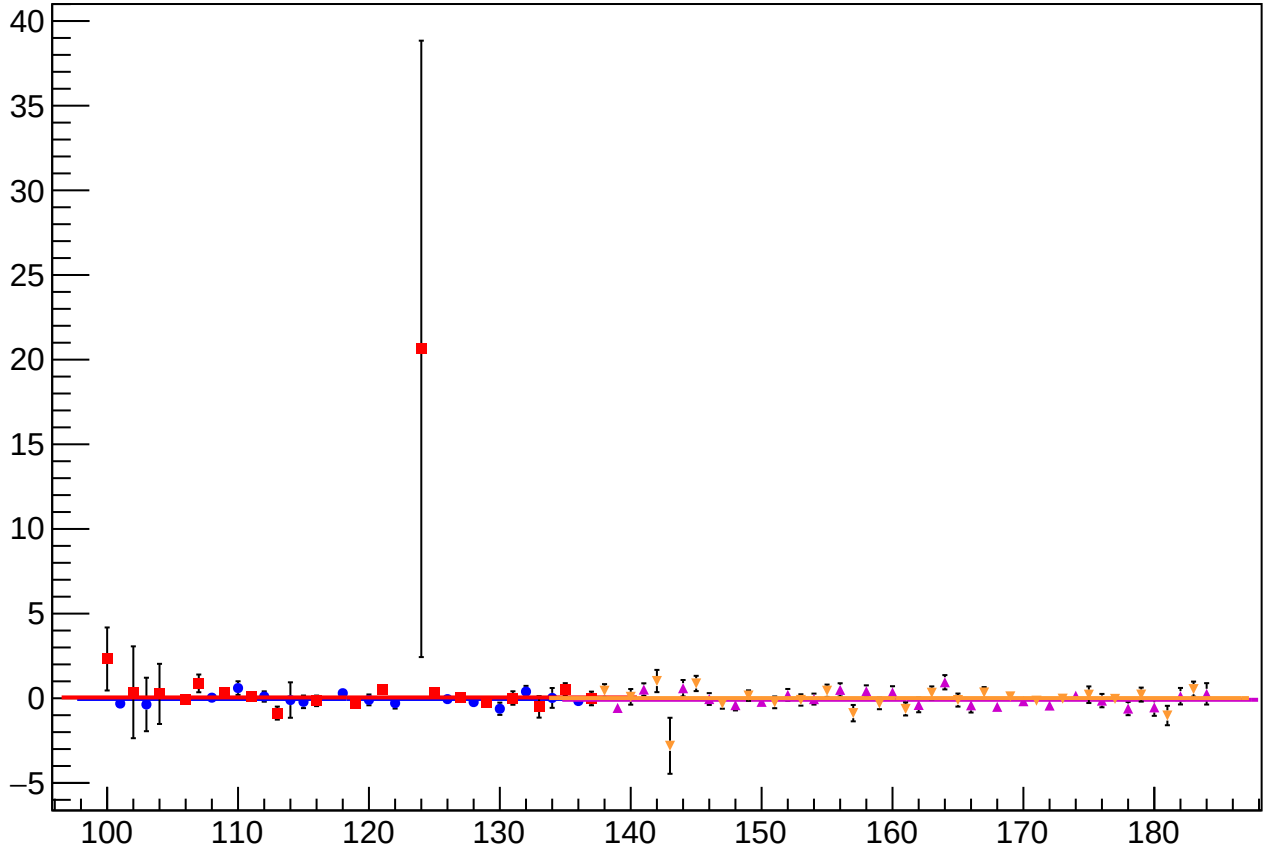
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 244.134+/-0.037 χ^2/NDF:4712383.2/38

Out: 242.200+/-0.037 χ^2/NDF:7628818.9/42

All: 243.176+/-0.026 χ^2/NDF: 12342561.3/81

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: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.040+/-0.050 χ^2/NDF: 60.1/46

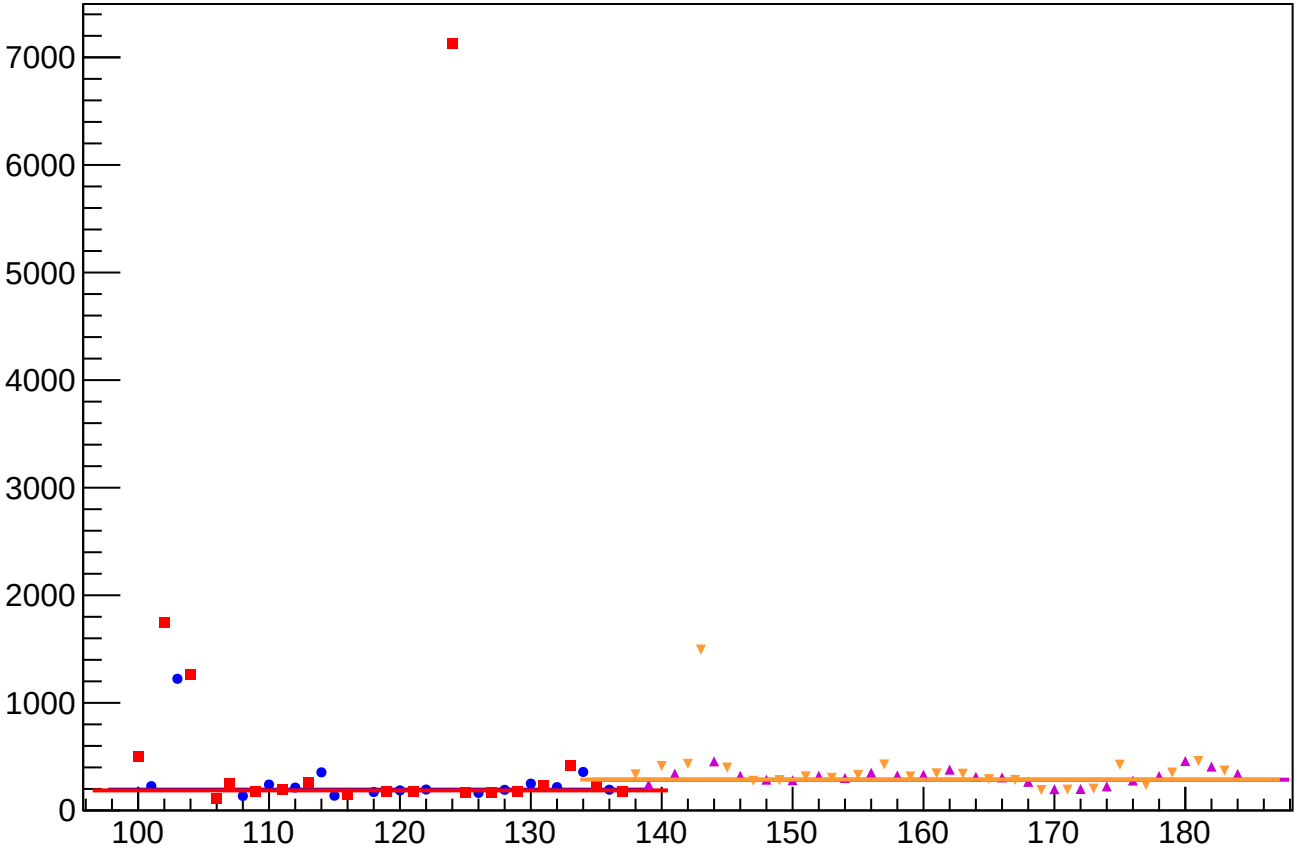
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.052 χ^2/NDF:42.9/38

Out: 0.028+/-0.053 χ^2/NDF:51.3/42

All: -0.021+/-0.037 χ^2/NDF: 95.9/81

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: 285.871+/-0.050 χ^2/NDF:1744743.9/22

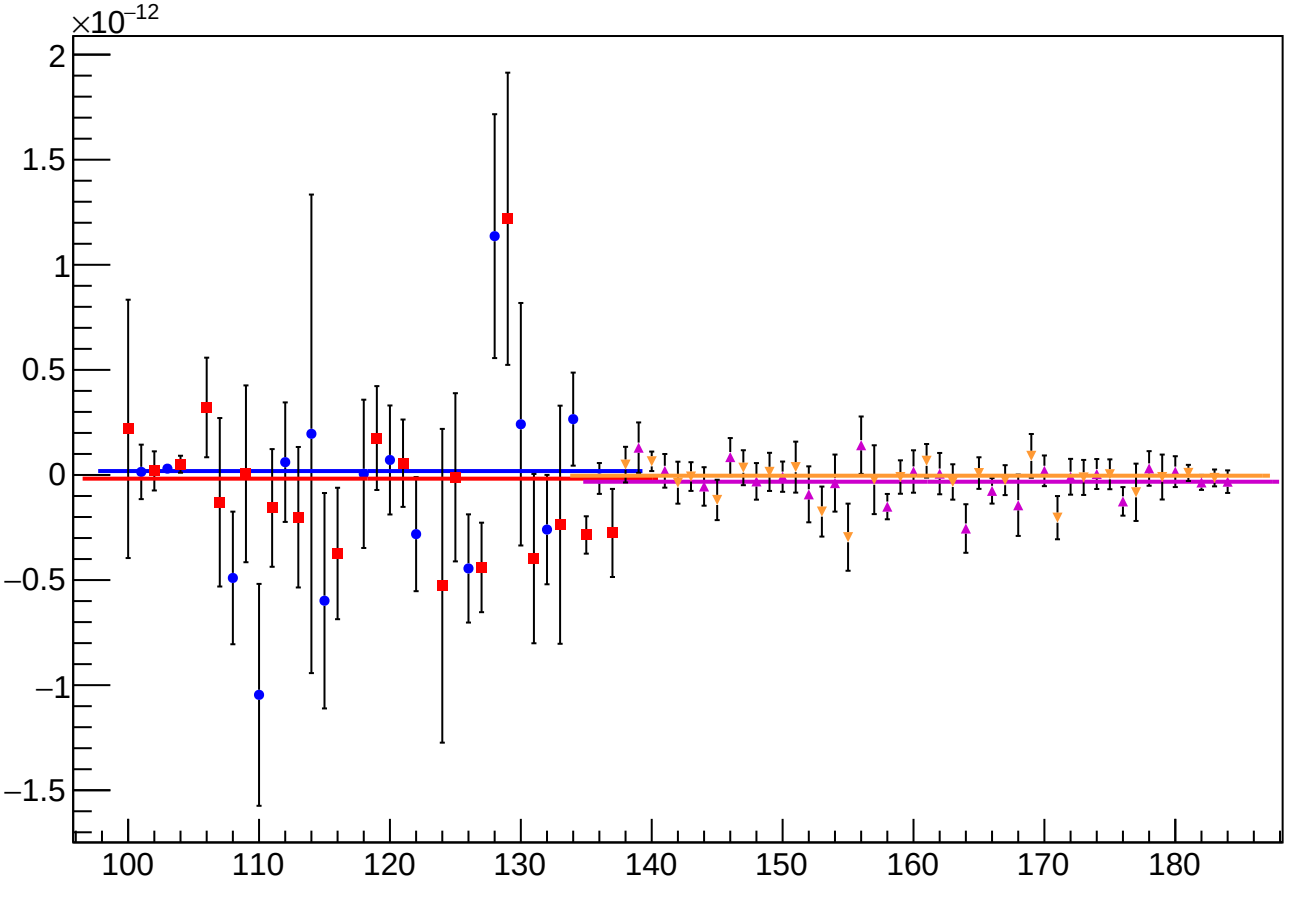
Left: 286.602+/-0.035 χ^2/NDF: 5079048.5/46

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 244.134+/-0.037 χ^2/NDF:4712383.2/38

Out: 242.200+/-0.037 χ^2/NDF:7628818.9/42

All: 243.176+/-0.026 χ^2/NDF: 12342561.3/81



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:18.7/22

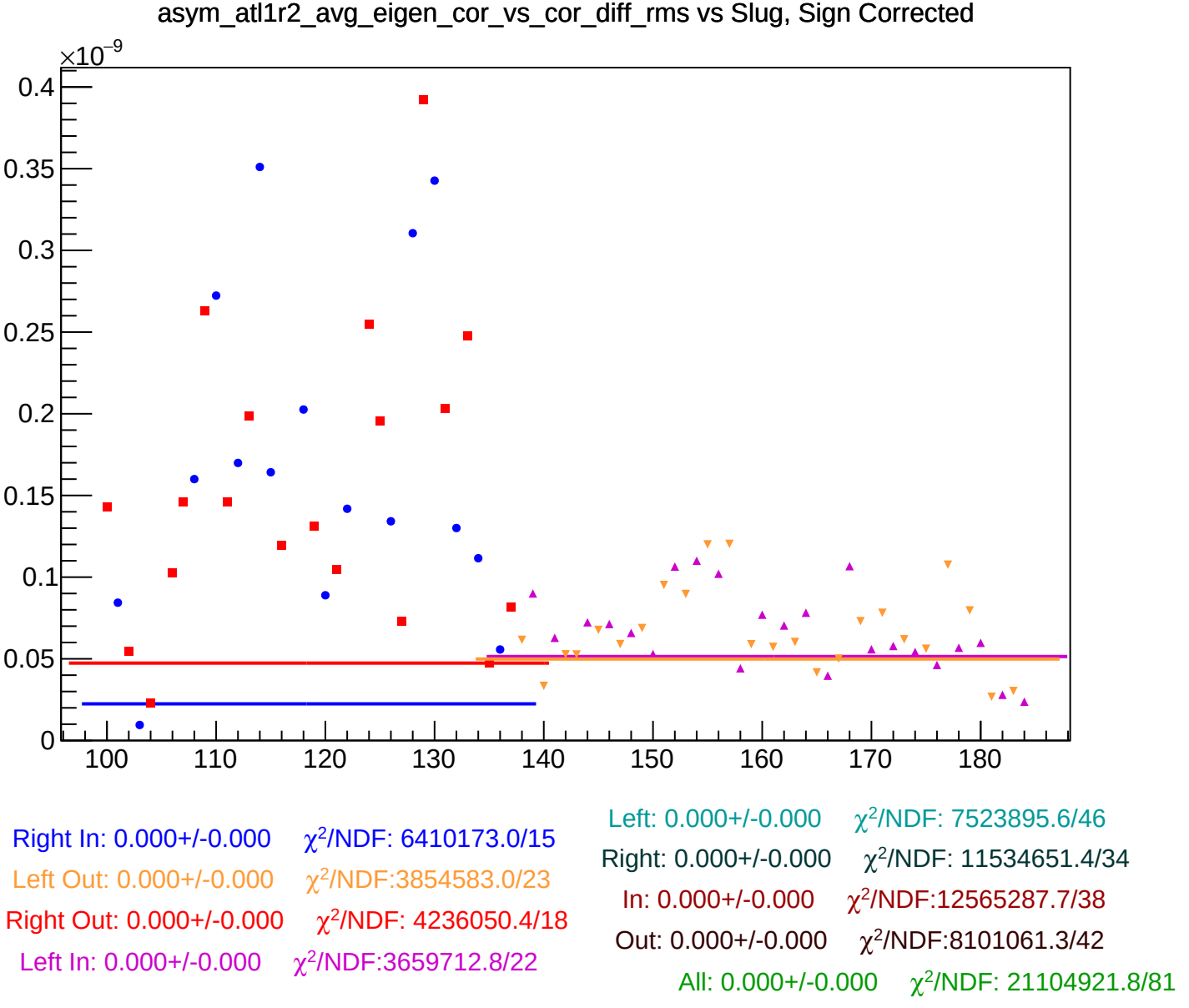
Left: -0.000+/-0.000 χ^2/NDF: 36.6/46

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

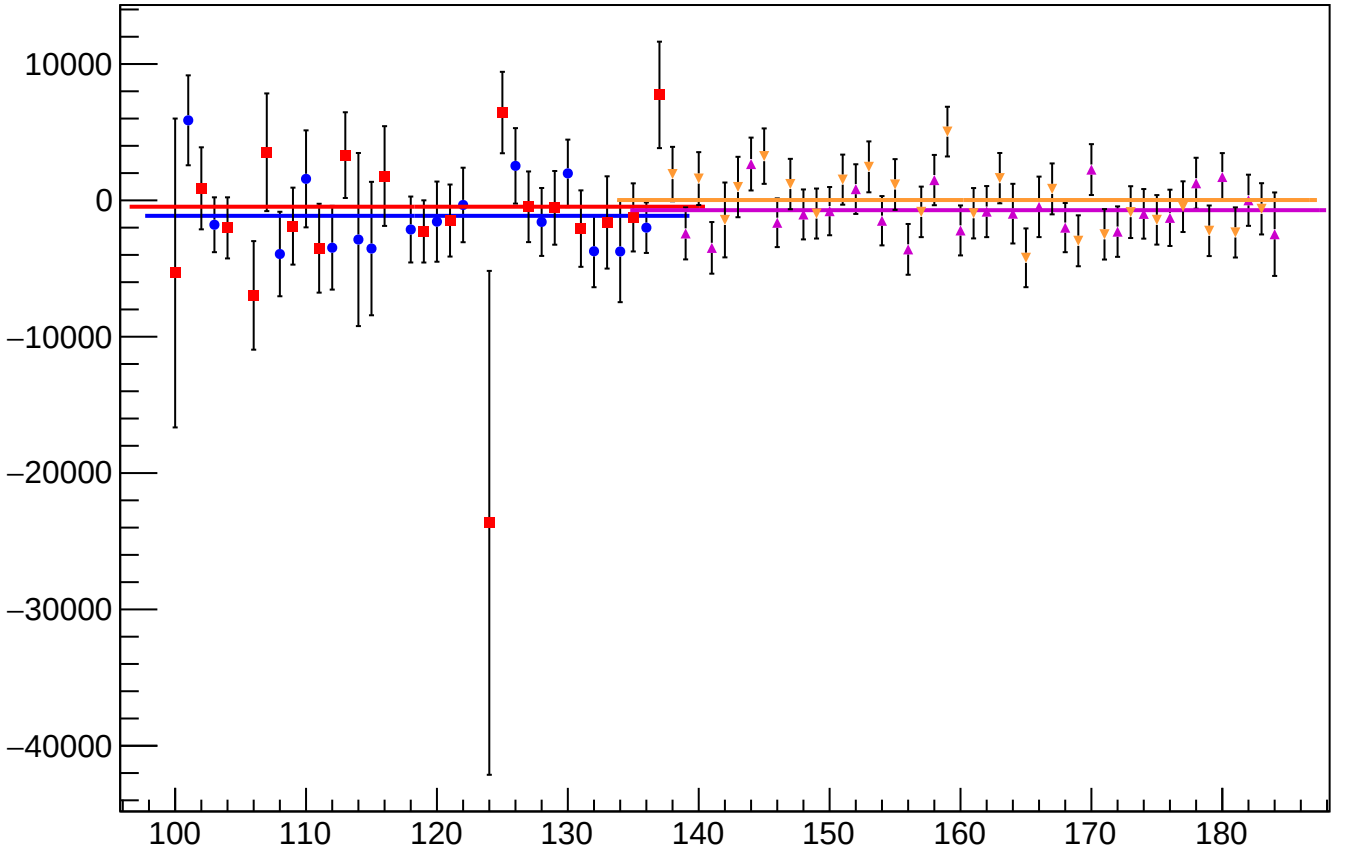
In: -0.000+/-0.000 χ^2/NDF:42.0/38

Out: -0.000+/-0.000 χ^2/NDF:43.4/42

All: -0.000+/-0.000 χ^2/NDF: 85.5/81


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:3659712.8/22
Left: 0.000+/-0.000 χ²/NDF: 7523895.6/46
Right: 0.000+/-0.000 χ²/NDF: 11534651.4/34
In: 0.000+/-0.000 χ²/NDF:12565287.7/38
Out: 0.000+/-0.000 χ²/NDF:8101061.3/42
All: 0.000+/-0.000 χ²/NDF: 21104921.8/81

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: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -341.664+/-278.204 χ^2/NDF: 50.3/46

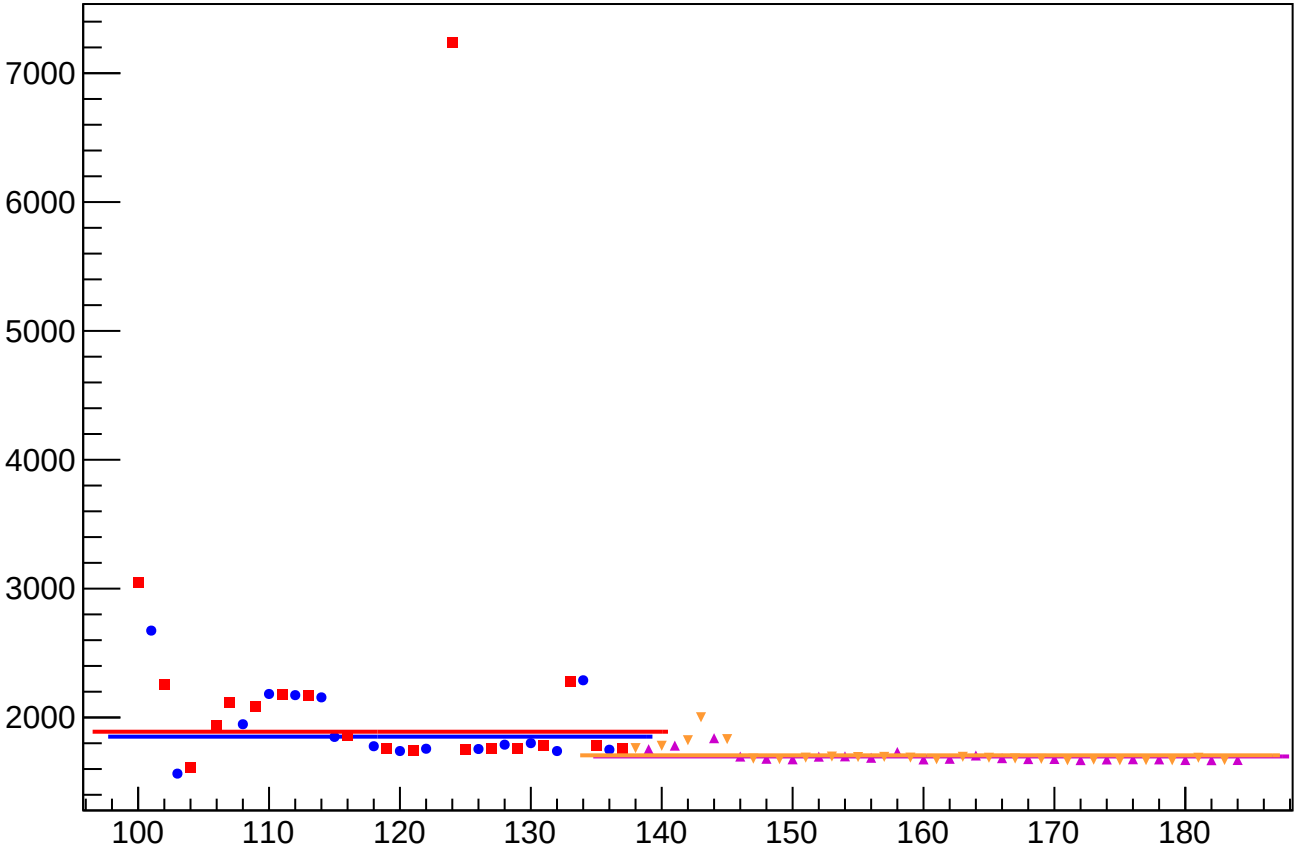
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -821.690+/-344.214 χ^2/NDF:31.6/38

Out: -89.992+/-341.702 χ^2/NDF:49.8/42

All: -453.162+/-242.503 χ^2/NDF: 83.7/81

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: 1697.514+/-0.280 χ^2/NDF:21146.9/22

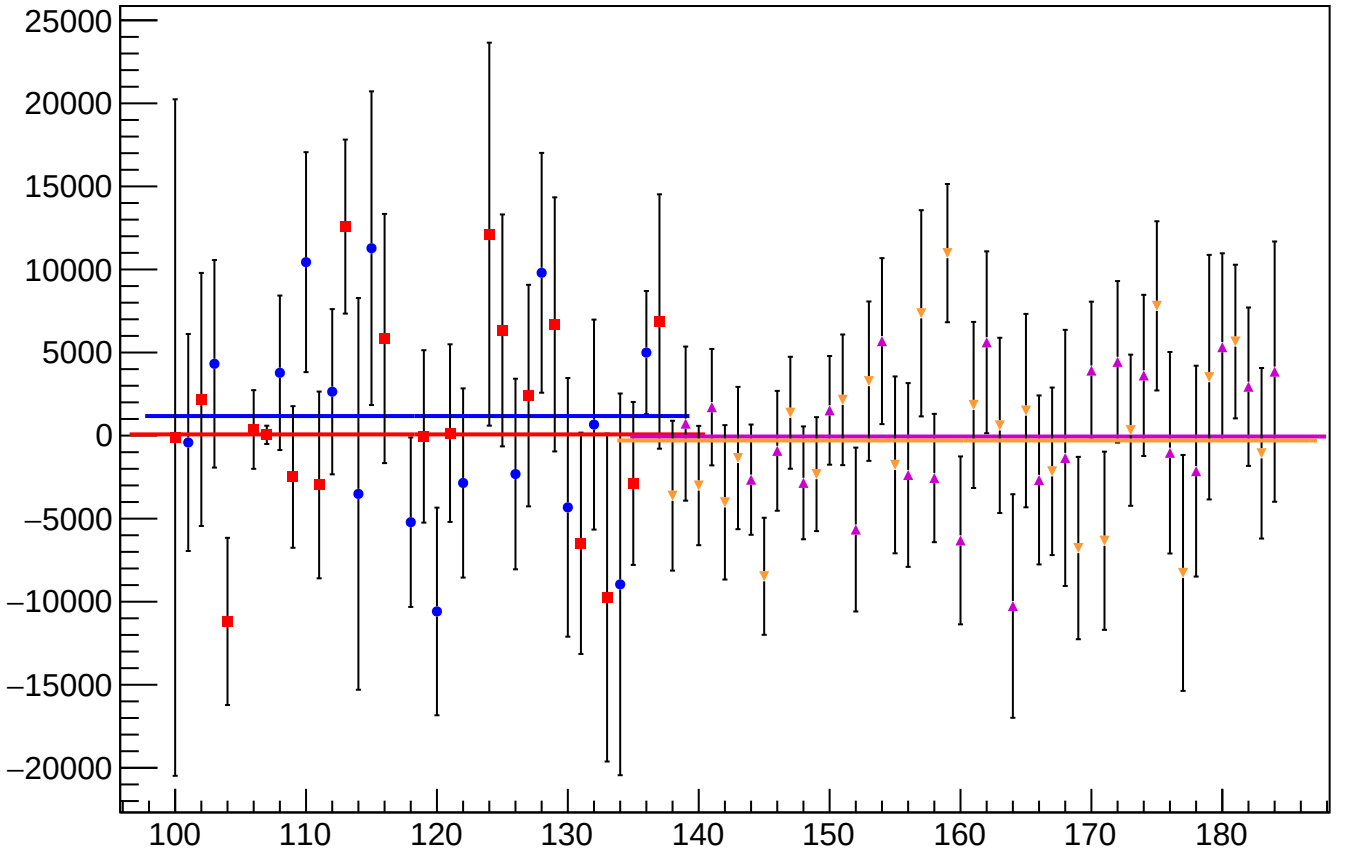
Left: 1701.952+/-0.197 χ^2/NDF: 81208.3/46

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1735.328+/-0.243 χ^2/NDF:355044.6/38

Out: 1749.351+/-0.241 χ^2/NDF:522053.7/42

All: 1742.395+/-0.171 χ^2/NDF: 878771.2/81



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: -56.448+/-956.389 χ^2/NDF:14.3/22

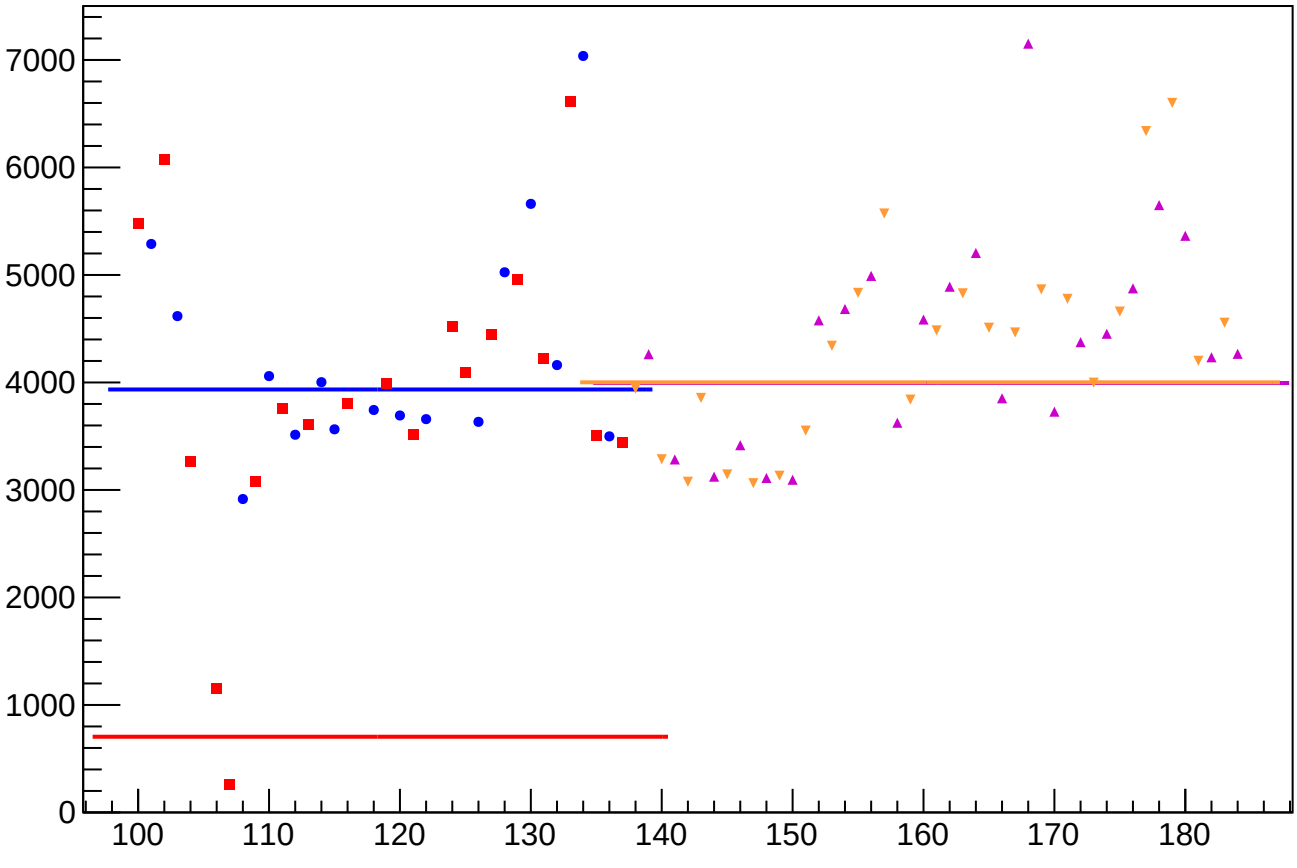
Left: -176.784+/-670.536 χ^2/NDF: 40.9/46

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 298.881+/-806.749 χ^2/NDF:28.5/38

Out: -9.374+/-445.379 χ^2/NDF:44.6/42

All: 62.630+/-389.908 χ^2/NDF: 73.2/81



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: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

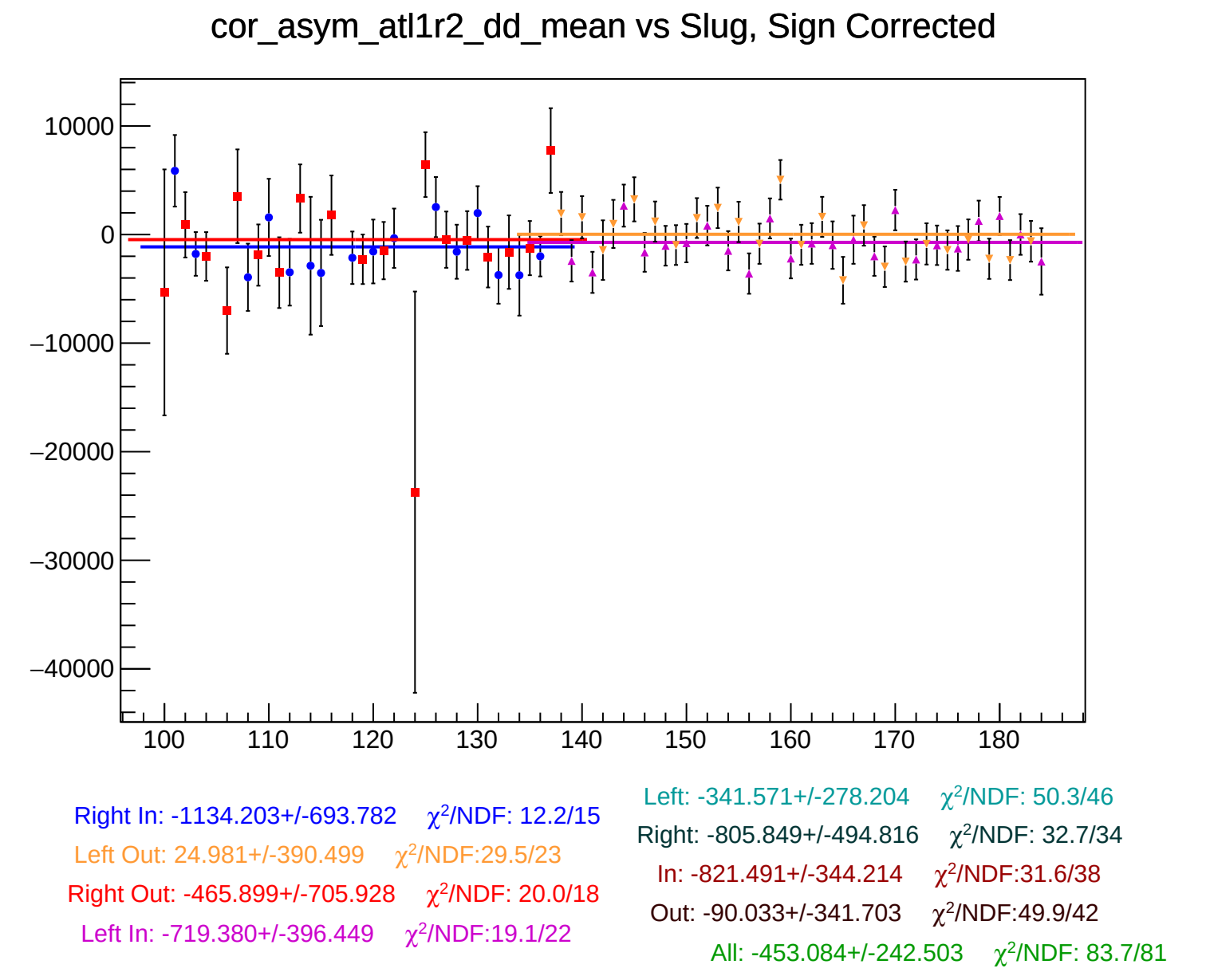
Left: 3998.198+/-0.474 χ^2/NDF: 3035258.0/46

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

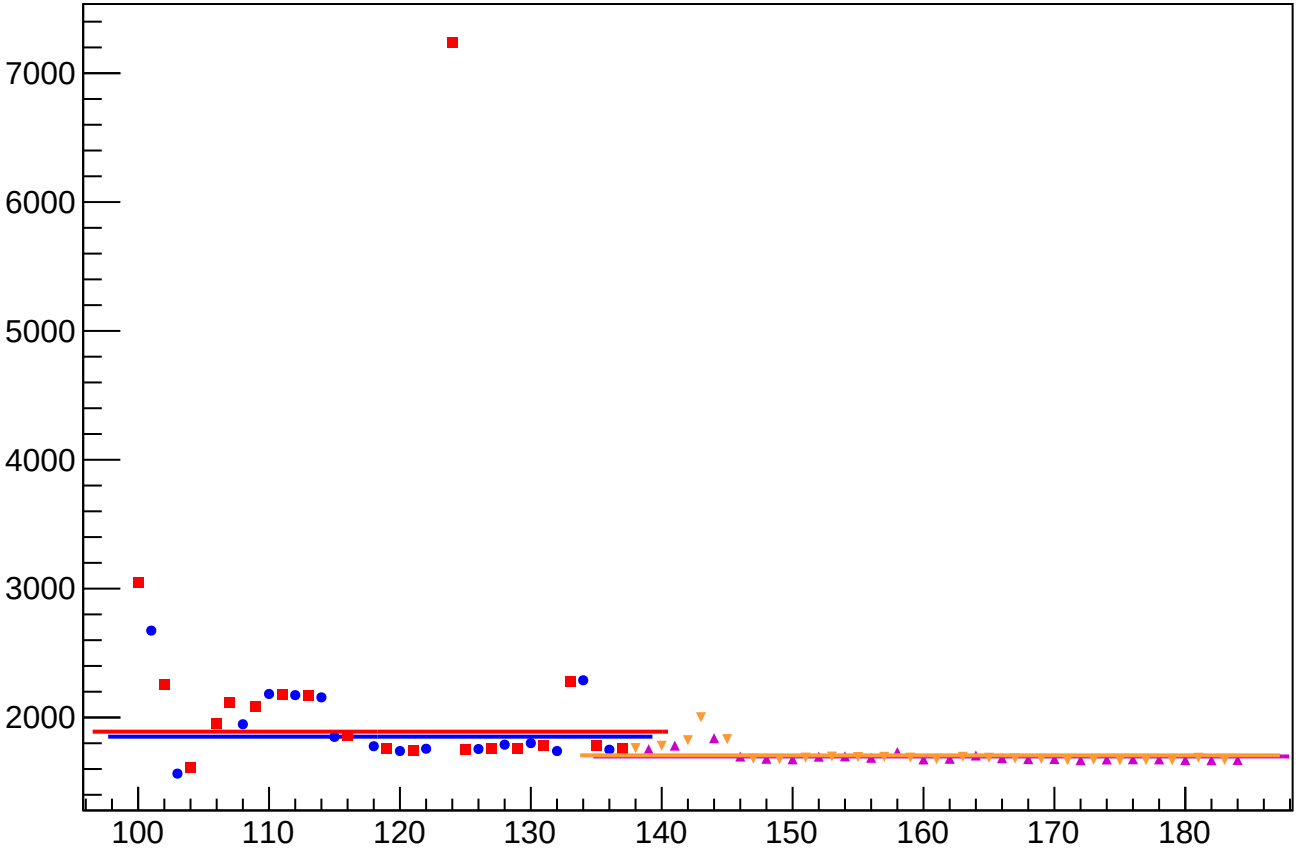
In: 3977.594+/-0.570 χ^2/NDF:2100530.9/38

Out: 1443.933+/-0.315 χ^2/NDF:31184895.3/42

All: 2035.760+/-0.276 χ^2/NDF: 48404087.4/8


cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 24.981+/-390.499 χ²/NDF:29.5/23
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -719.380+/-396.449 χ²/NDF:19.1/22
Left: -341.571+/-278.204 χ²/NDF: 50.3/46
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -821.491+/-344.214 χ²/NDF:31.6/38
Out: -90.033+/-341.703 χ²/NDF:49.9/42
All: -453.084+/-242.503 χ²/NDF: 83.7/81

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: 1697.514+/-0.280 χ^2/NDF:21146.9/22

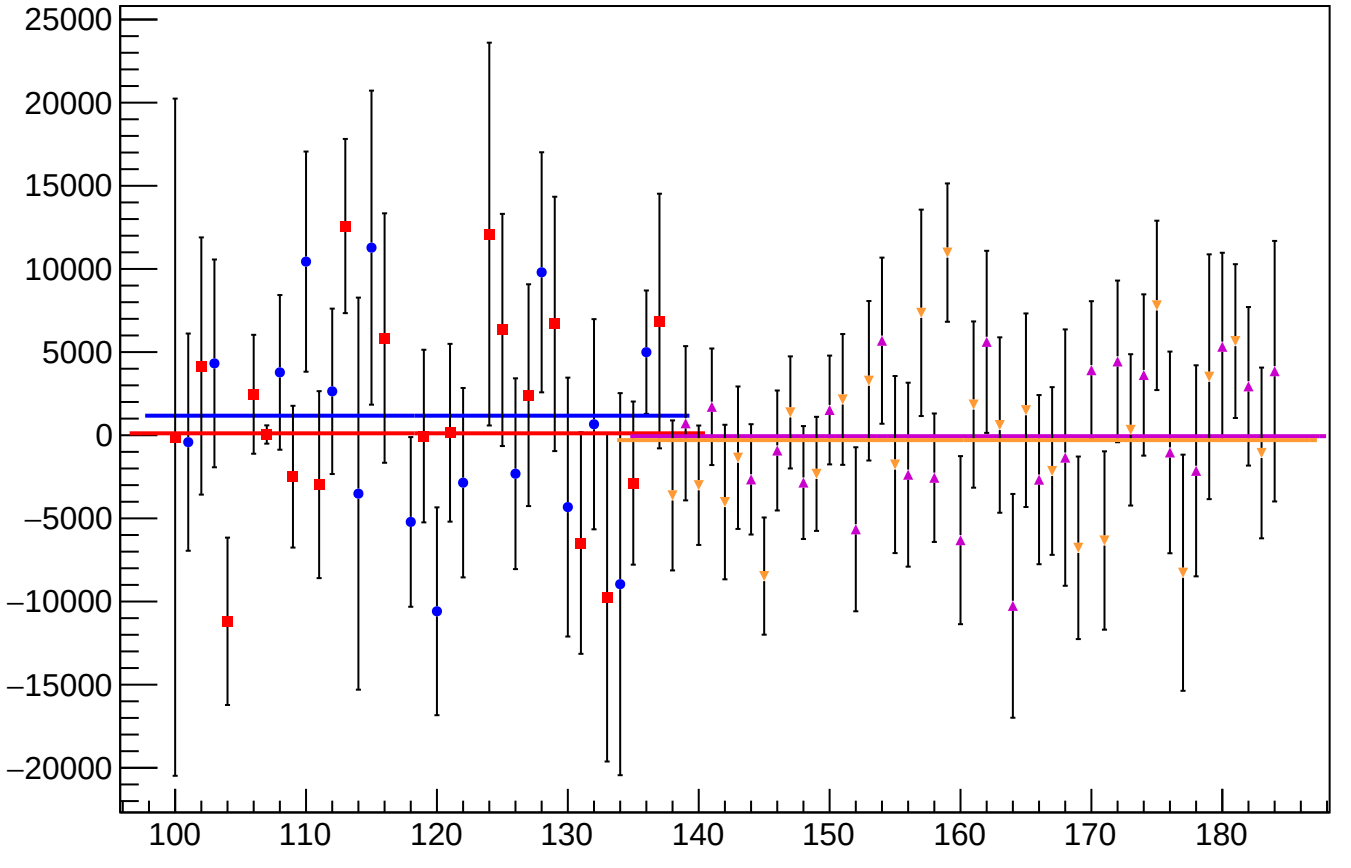
Left: 1701.952+/-0.197 χ^2/NDF: 81208.3/46

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1735.328+/-0.243 χ^2/NDF:355044.1/38

Out: 1749.444+/-0.242 χ^2/NDF:522756.0/42

All: 1742.441+/-0.171 χ^2/NDF: 879495.0/81



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: -56.377+/-956.388 χ^2/NDF:14.3/22

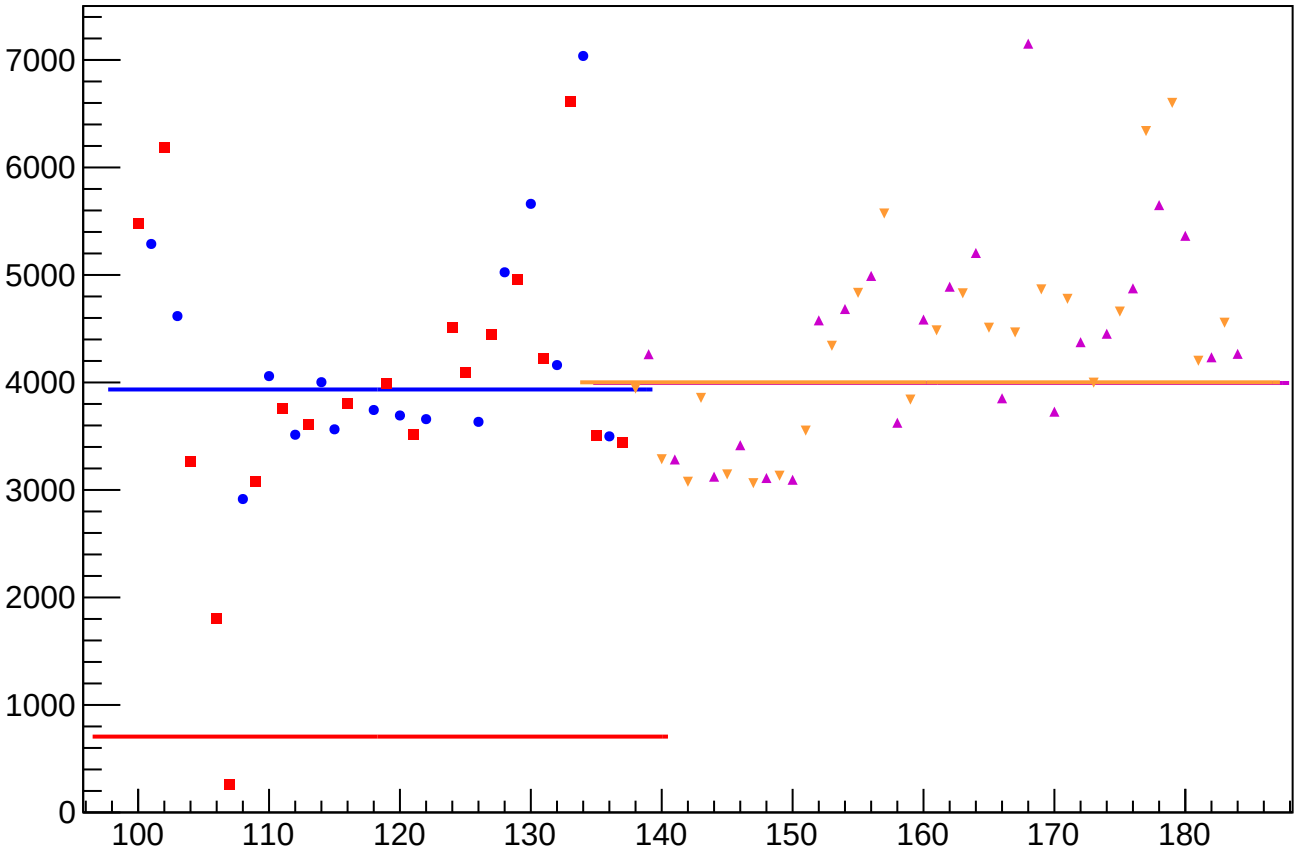
Left: -176.740+/-670.535 χ^2/NDF: 40.9/46

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 298.923+/-806.750 χ^2/NDF:28.5/38

Out: 22.309+/-449.866 χ^2/NDF:45.2/42

All: 87.920+/-392.907 χ^2/NDF: 73.8/81



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: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

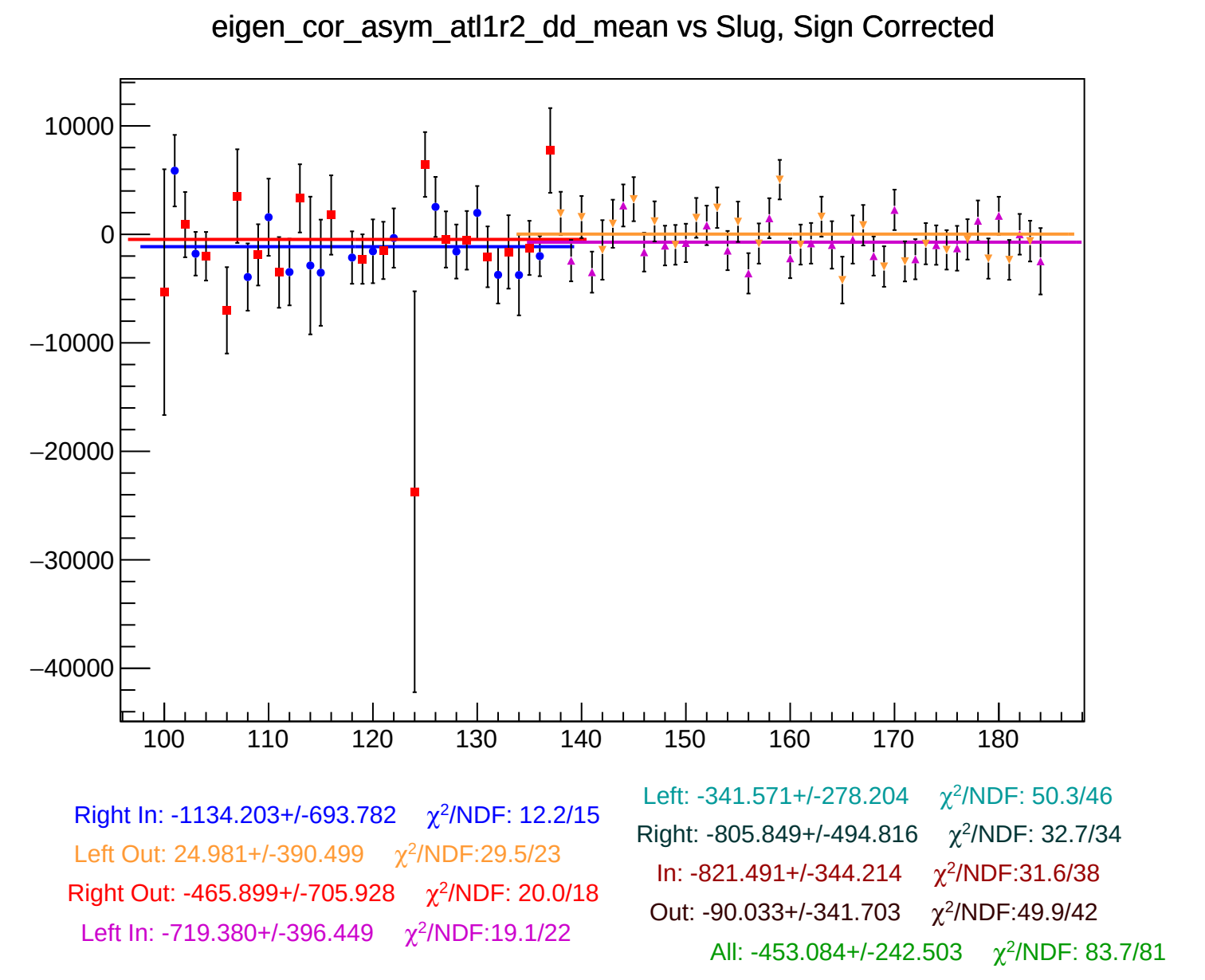
Left: 3998.193+/-0.474 χ^2/NDF: 3035260.4/46

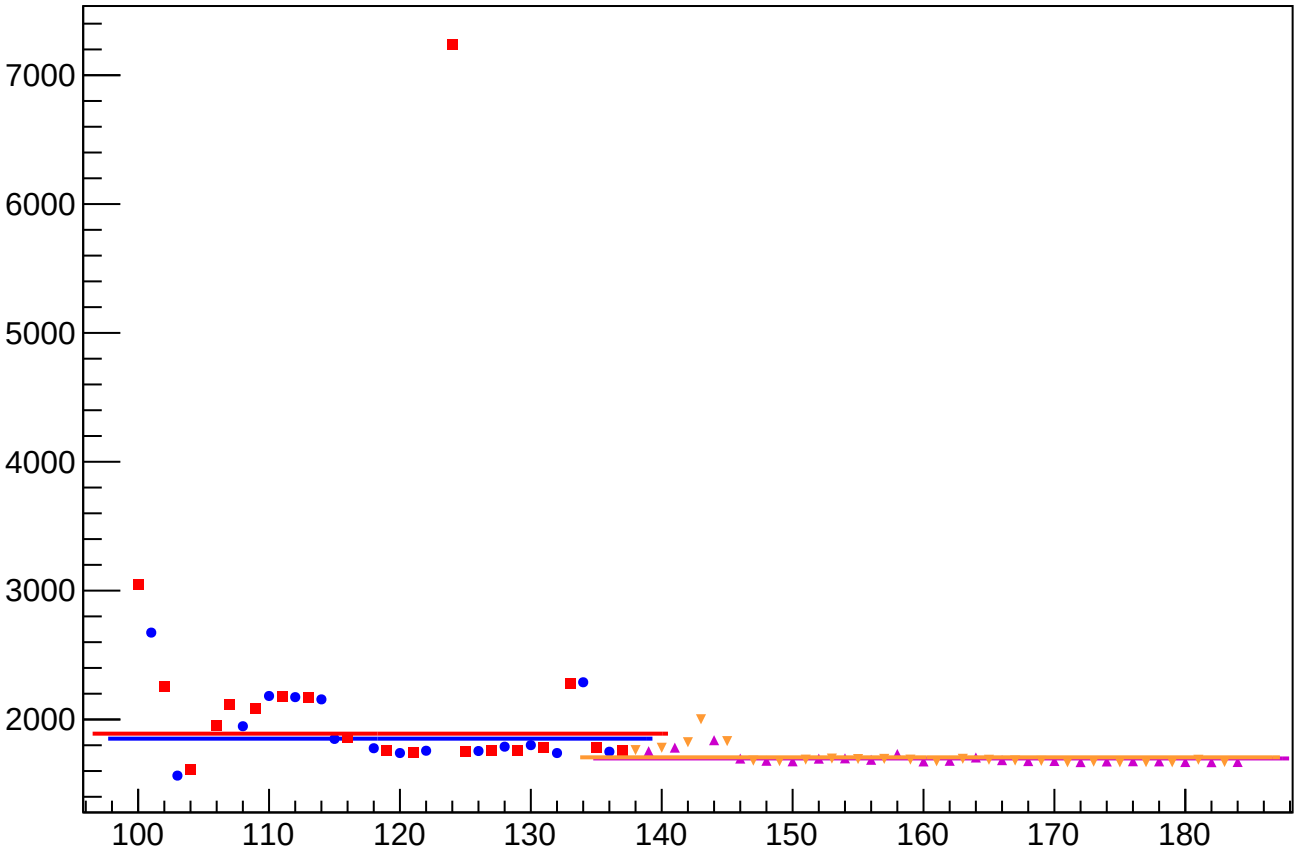
Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3977.595+/-0.570 χ^2/NDF:2100537.4/38

Out: 1459.859+/-0.318 χ^2/NDF:31187579.8/42

All: 2057.049+/-0.278 χ^2/NDF: 48147034.7/8


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 24.981+/-390.499 χ²/NDF:29.5/23
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -719.380+/-396.449 χ²/NDF:19.1/22
Left: -341.571+/-278.204 χ²/NDF: 50.3/46
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -821.491+/-344.214 χ²/NDF:31.6/38
Out: -90.033+/-341.703 χ²/NDF:49.9/42
All: -453.084+/-242.503 χ²/NDF: 83.7/81



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: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.952+/-0.197 χ^2/NDF: 81208.3/46

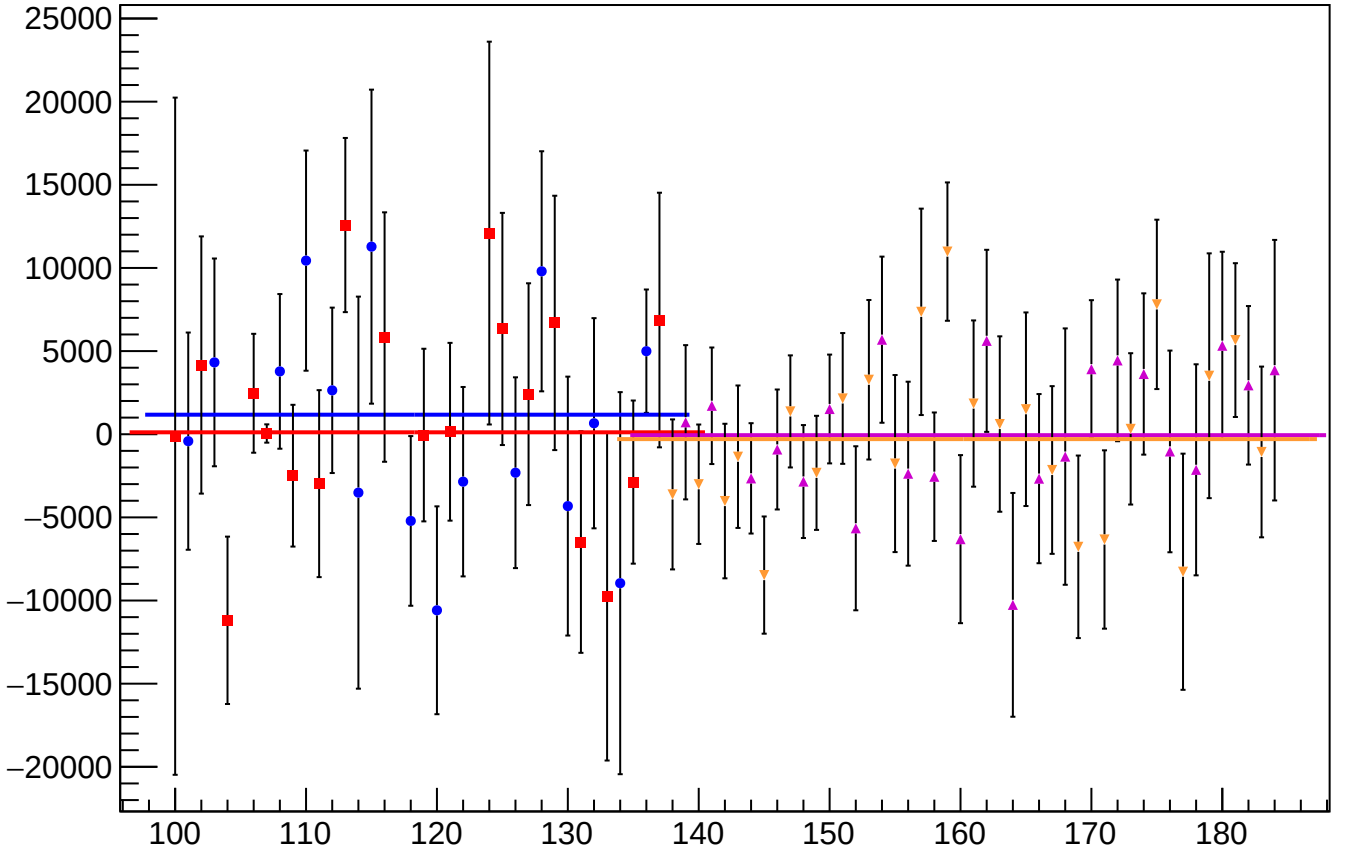
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1735.328+/-0.243 χ^2/NDF:355044.1/38

Out: 1749.444+/-0.242 χ^2/NDF:522756.0/42

All: 1742.441+/-0.171 χ^2/NDF: 879495.0/81

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: -56.377+/-956.388 χ^2/NDF:14.3/22

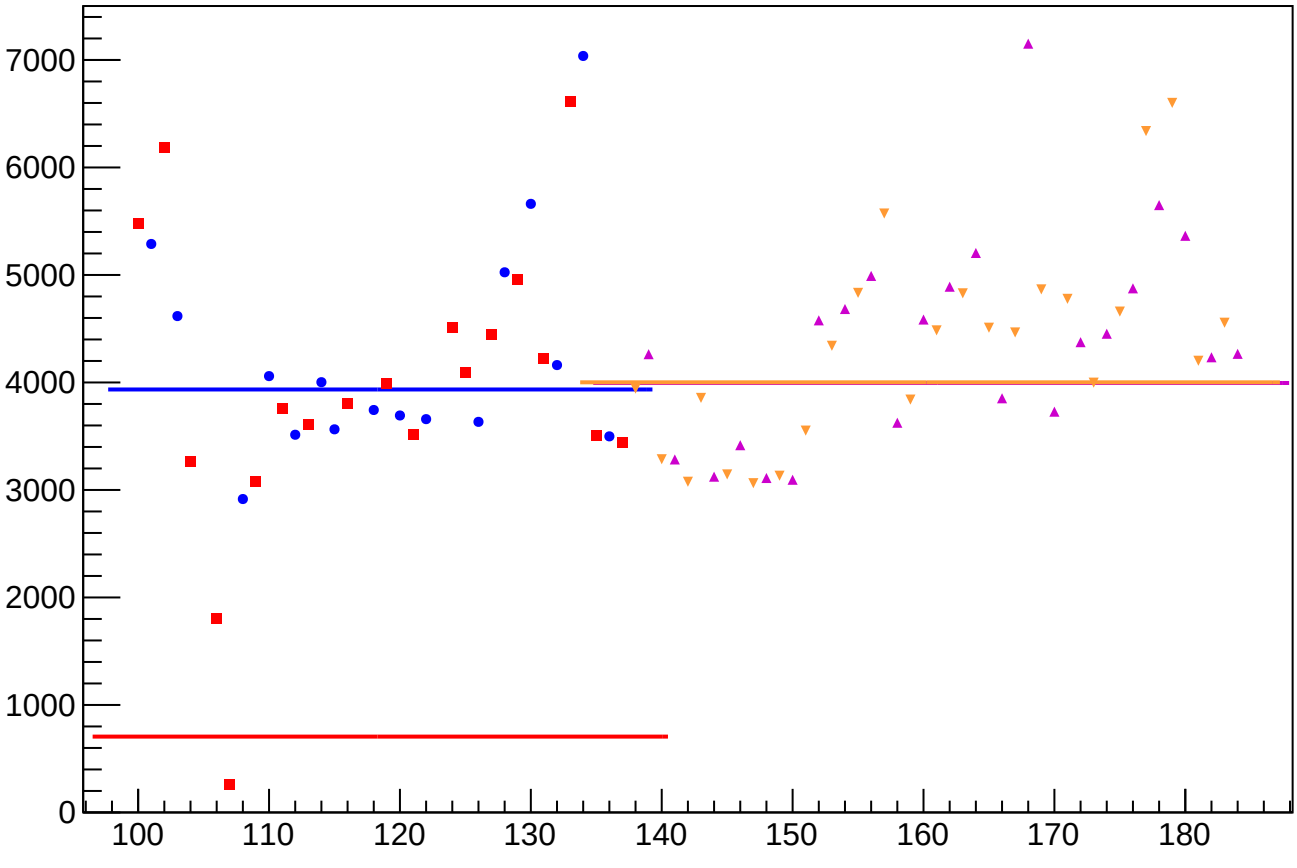
Left: -176.740+/-670.535 χ^2/NDF: 40.9/46

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 298.923+/-806.750 χ^2/NDF:28.5/38

Out: 22.309+/-449.866 χ^2/NDF:45.2/42

All: 87.920+/-392.907 χ^2/NDF: 73.8/81



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: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

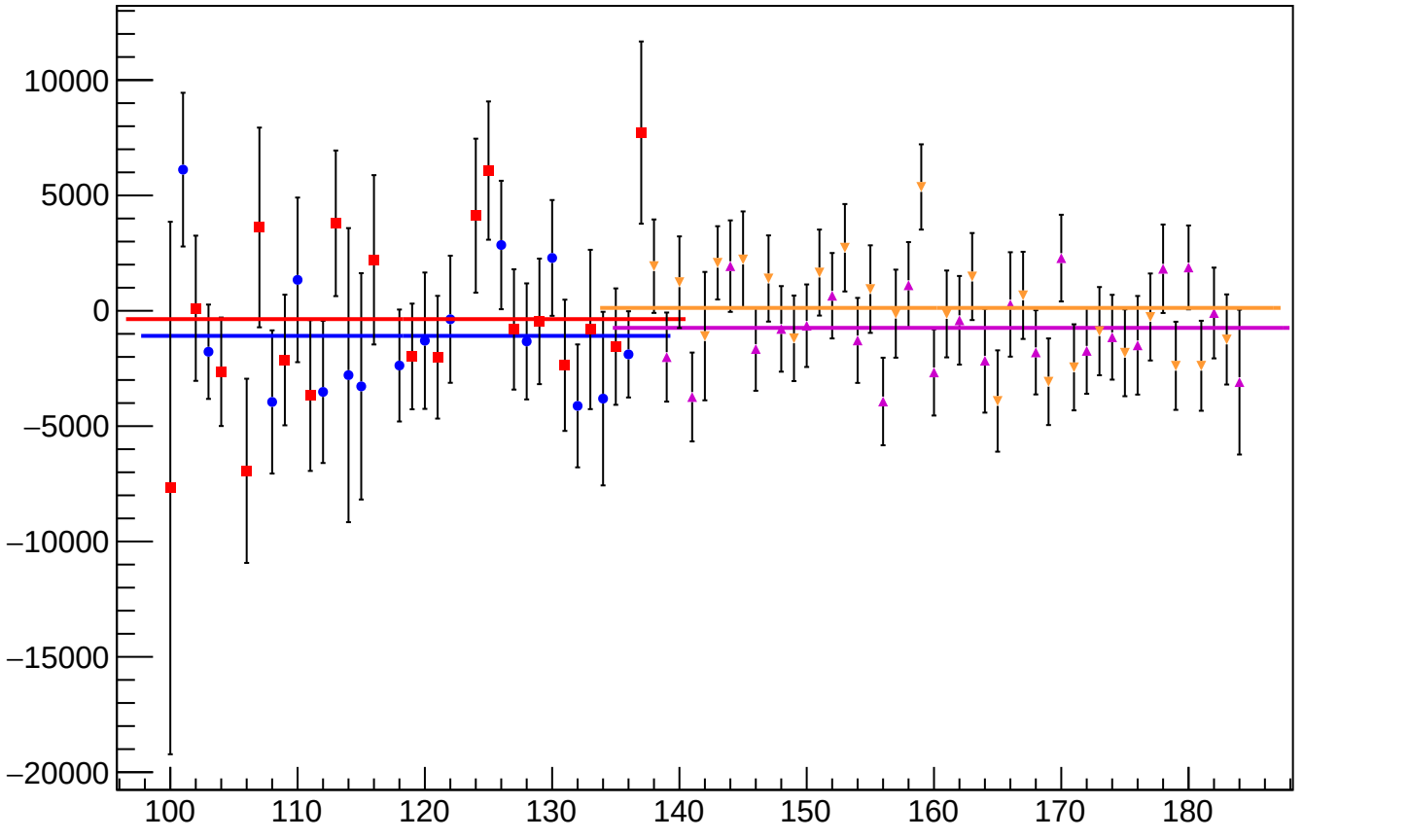
Left: 3998.193+/-0.474 χ^2/NDF: 3035260.4/46

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

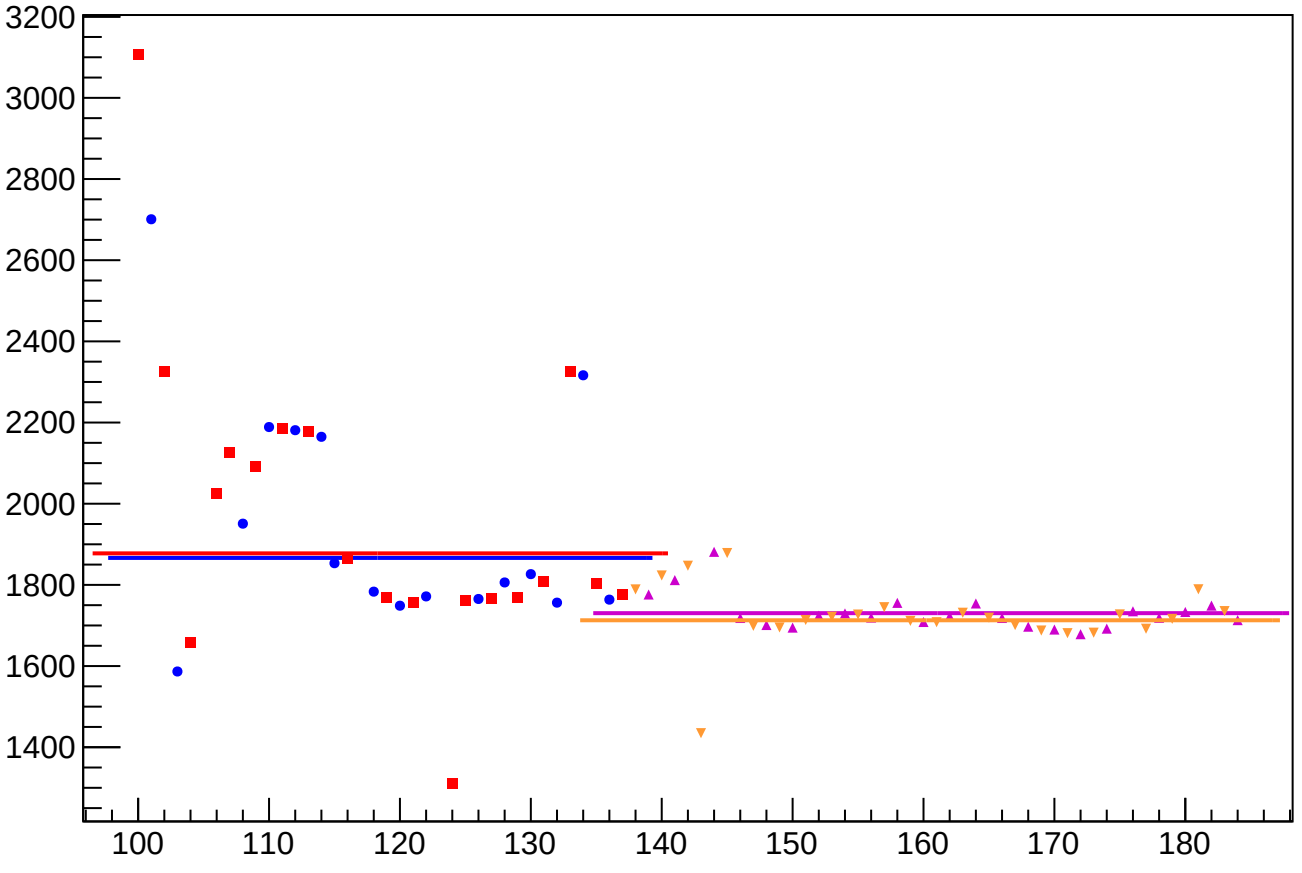
In: 3977.595+/-0.570 χ^2/NDF:2100537.4/38

Out: 1459.859+/-0.318 χ^2/NDF:31187579.8/42

All: 2057.049+/-0.278 χ^2/NDF: 48147034.7/8


dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1087.731+/-699.579 χ²/NDF: 13.2/15
Left Out: 124.615+/-392.211 χ²/NDF:29.7/23
Right Out: -361.218+/-699.665 χ²/NDF: 20.8/18
Left In: -741.191+/-404.161 χ²/NDF:19.0/22
Left: -295.299+/-281.465 χ²/NDF: 51.1/46
Right: -724.519+/-494.707 χ²/NDF: 34.5/34
In: -827.909+/-349.957 χ²/NDF:32.4/38
Out: 8.451+/-342.123 χ²/NDF:50.9/42
All: -400.263+/-244.640 χ²/NDF: 86.2/81

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: 1730.342+/-0.286 χ^2/NDF:23075.7/22

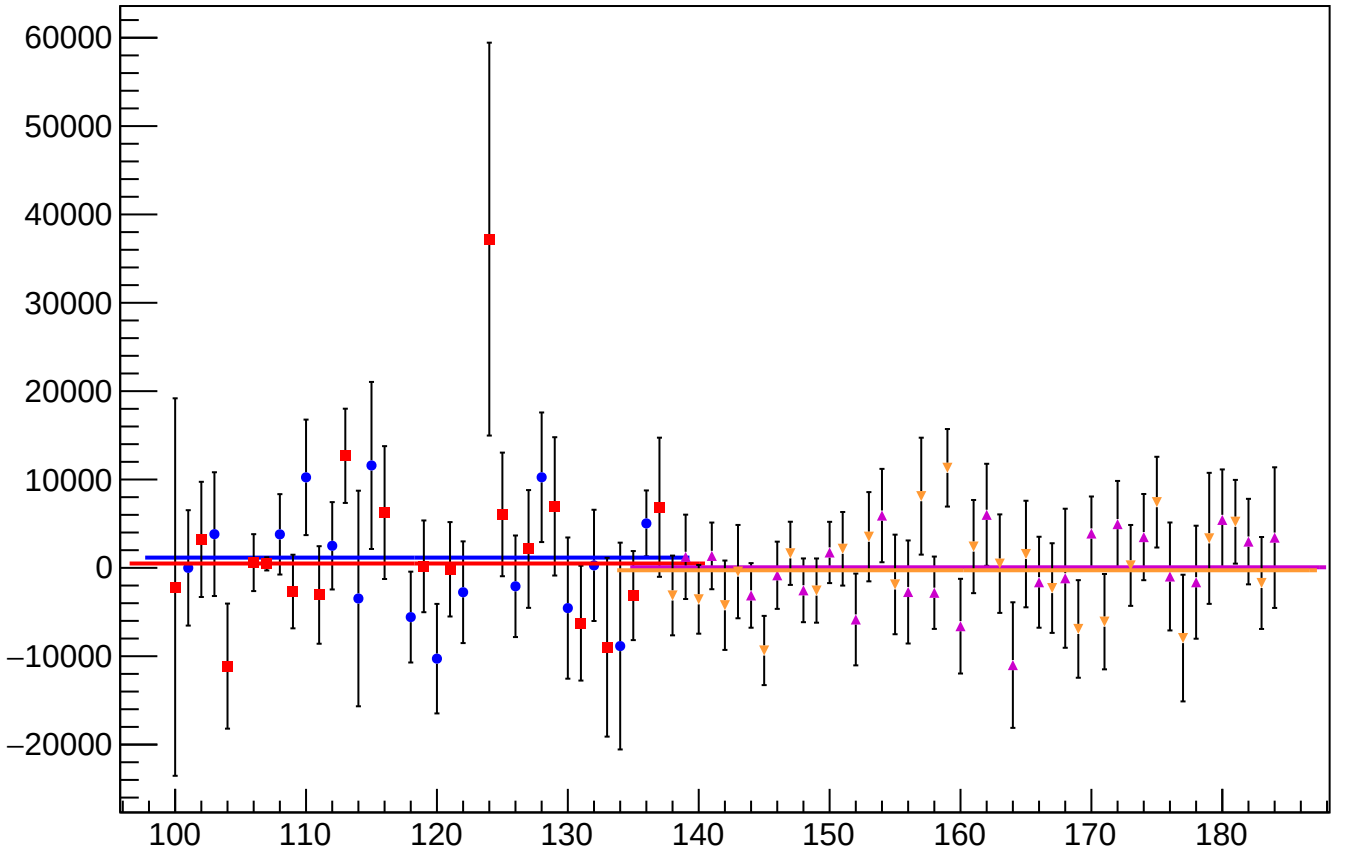
Left: 1721.311+/-0.199 χ^2/NDF: 119184.5/46

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1764.403+/-0.247 χ^2/NDF:336103.6/38

Out: 1752.273+/-0.242 χ^2/NDF:430609.3/42

All: 1758.199+/-0.173 χ^2/NDF: 767941.8/81



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: 65.169+/-1000.106 χ^2/NDF:14.0/22

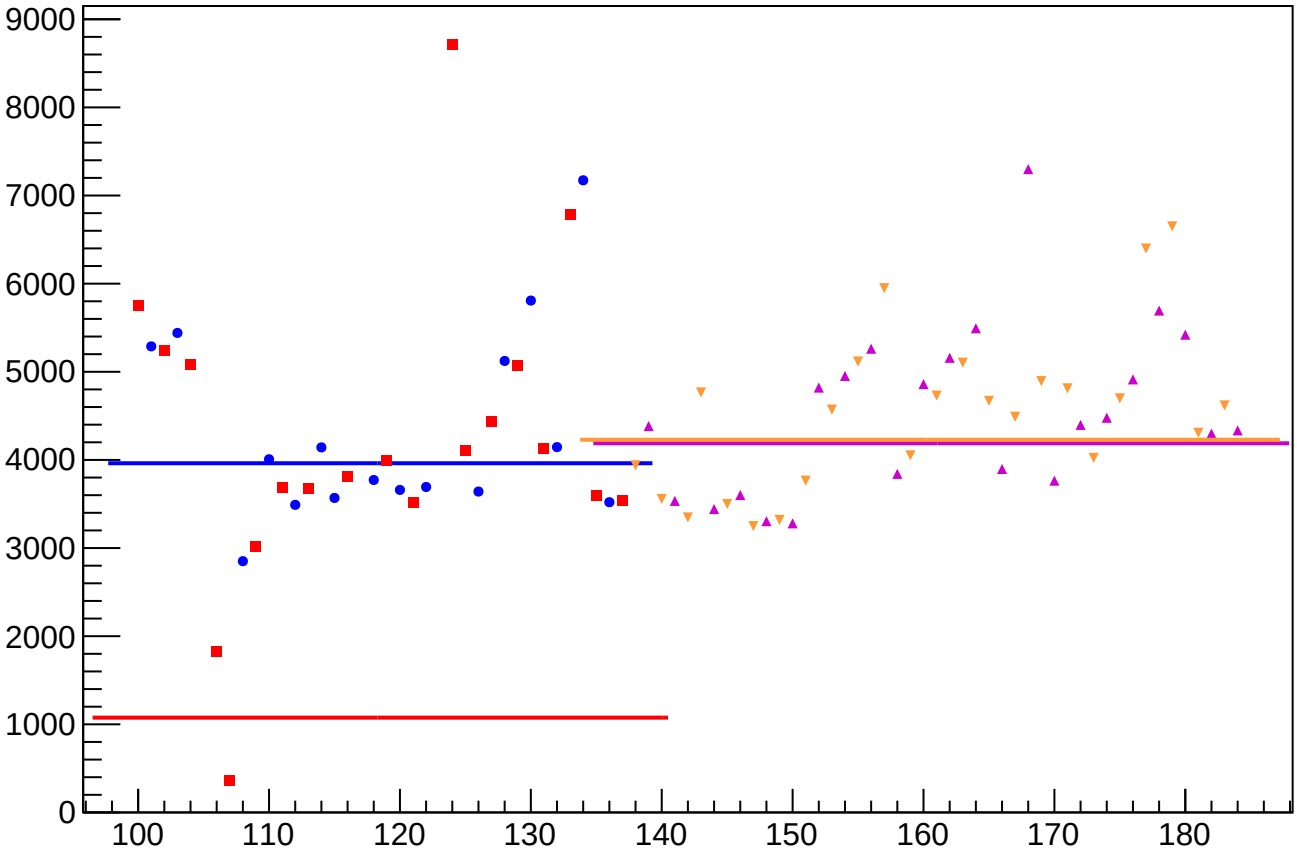
Left: -104.805+/-703.855 χ^2/NDF: 39.6/46

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 398.657+/-834.181 χ^2/NDF:28.0/38

Out: 258.654+/-548.424 χ^2/NDF:42.9/42

All: 300.905+/-458.258 χ^2/NDF: 71.0/81



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: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

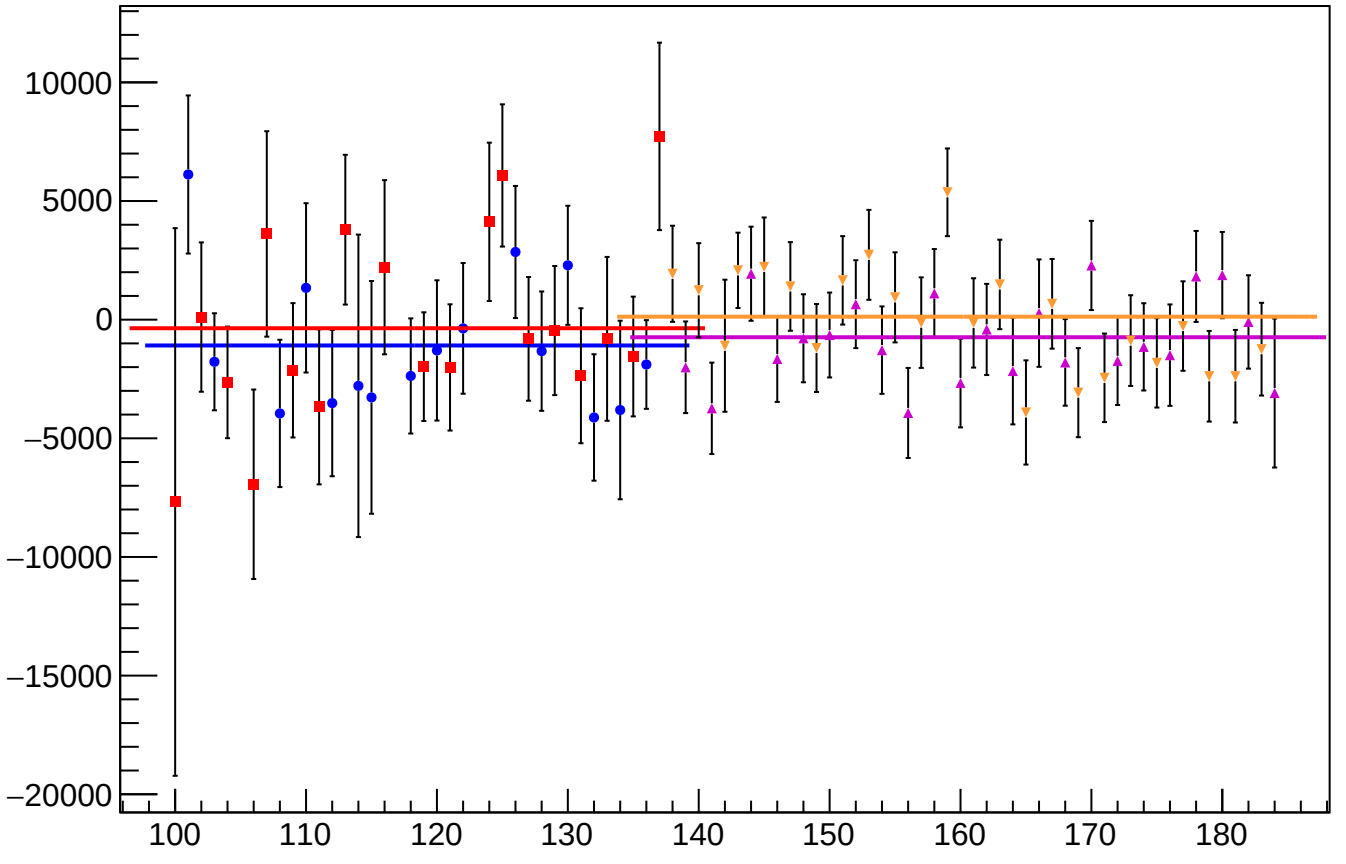
Left: 4209.161+/-0.498 χ^2/NDF: 2626923.8/46

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 4119.950+/-0.590 χ^2/NDF:2044158.2/38

Out: 2042.080+/-0.388 χ^2/NDF:24889086.1/42

All: 2669.154+/-0.324 χ^2/NDF: 35597559.2/8



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 124.617+/-392.211 χ^2/NDF:29.7/23

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

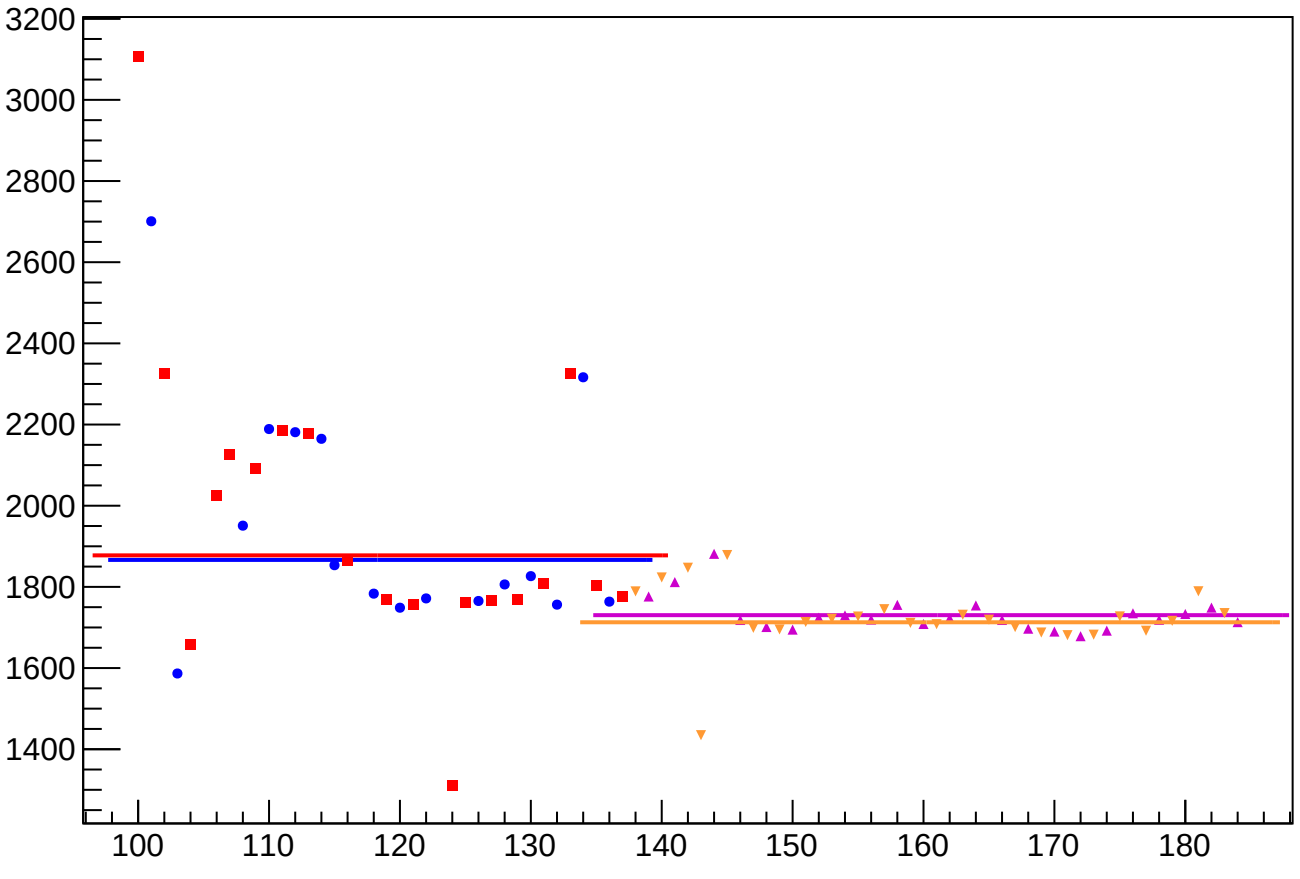
Left: -295.297+/-281.465 χ^2/NDF: 51.1/46

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -827.909+/-349.957 χ^2/NDF:32.4/38

Out: 8.451+/-342.123 χ^2/NDF:50.9/42

All: -400.263+/-244.640 χ^2/NDF: 86.2/81



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: 1730.342+/-0.286 χ^2/NDF:23075.7/22

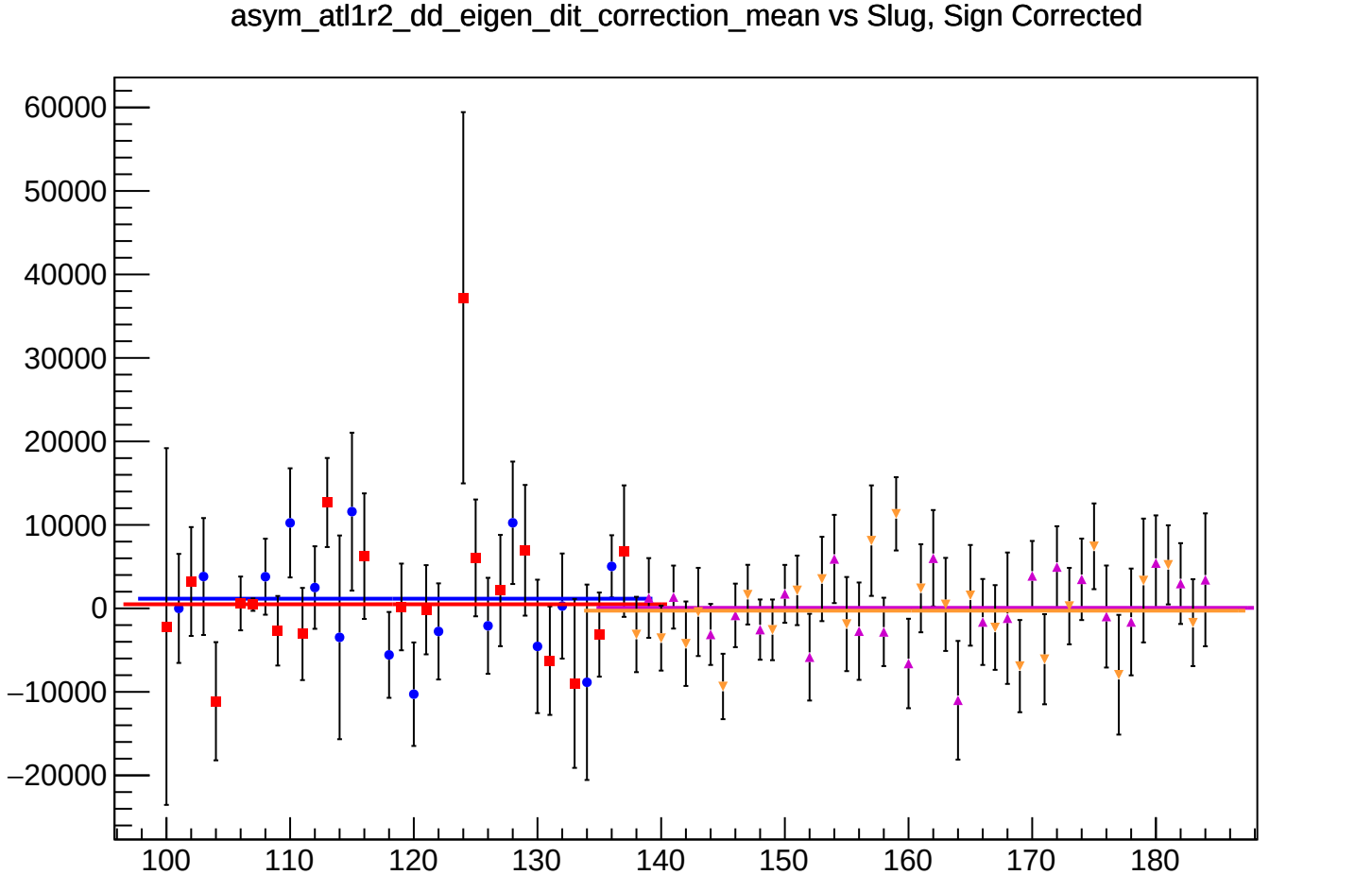
Left: 1721.312+/-0.199 χ^2/NDF: 119183.6/46

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1764.403+/-0.247 χ^2/NDF:336102.9/38

Out: 1752.273+/-0.242 χ^2/NDF:430608.0/42

All: 1758.200+/-0.173 χ^2/NDF: 767939.8/81



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: 65.171+/-1000.108 χ^2/NDF:14.0/22

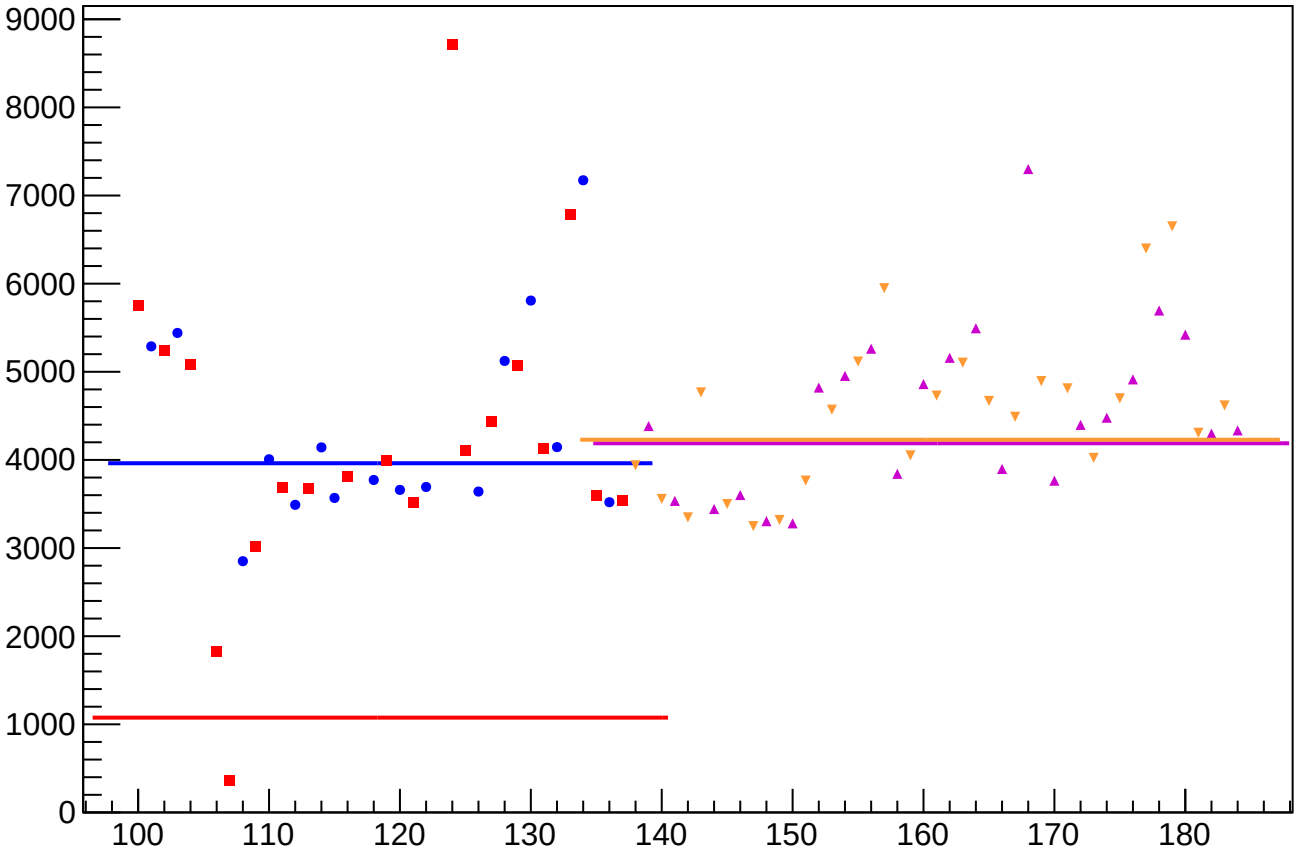
Left: -104.804+/-703.856 χ^2/NDF: 39.6/46

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 398.654+/-834.181 χ^2/NDF:28.0/38

Out: 258.655+/-548.430 χ^2/NDF:42.9/42

All: 300.905+/-458.262 χ^2/NDF: 71.0/81



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: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4209.167+/-0.498 χ^2/NDF: 2626931.0/46

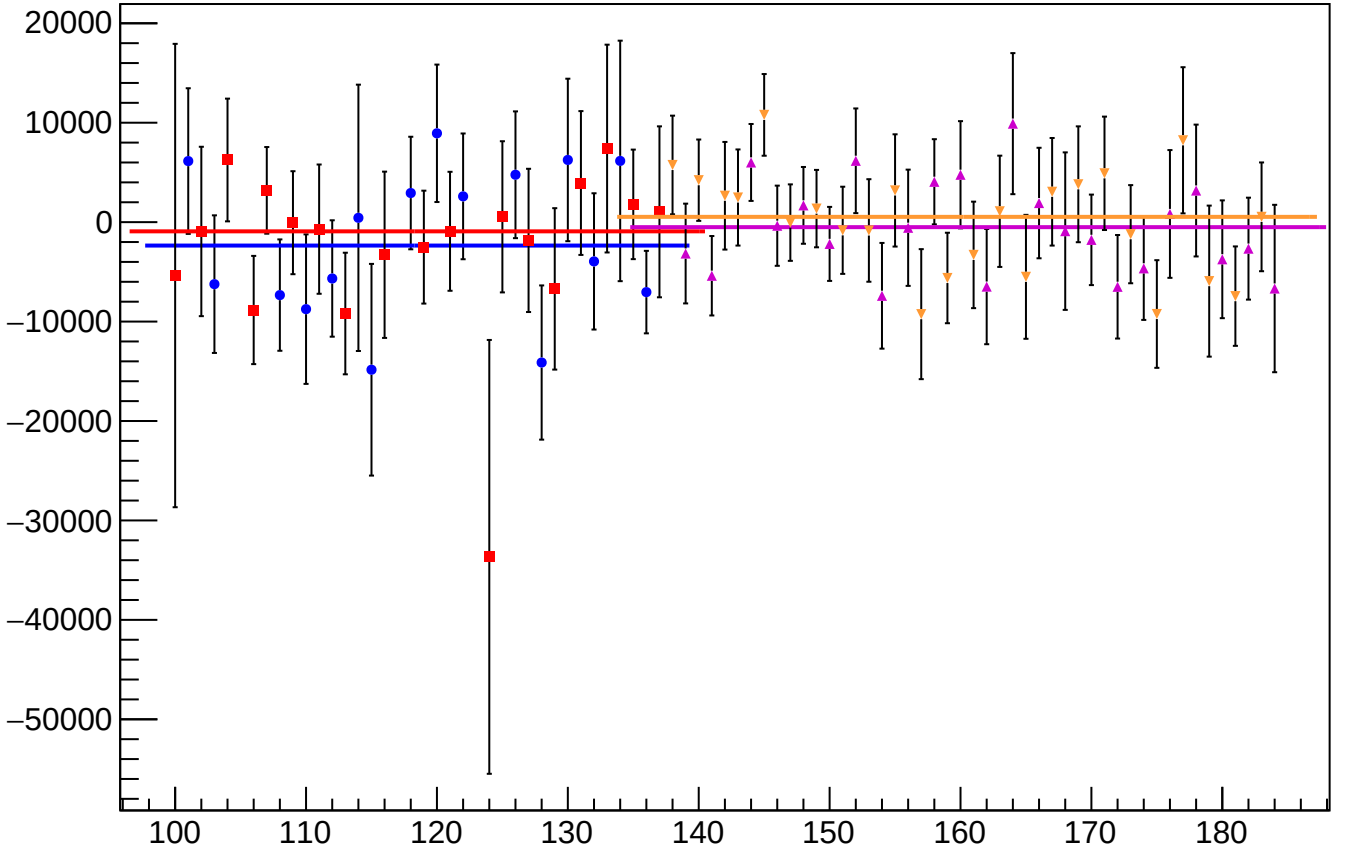
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 4119.952+/-0.590 χ^2/NDF:2044162.9/38

Out: 2042.124+/-0.388 χ^2/NDF:24888567.6/42

All: 2669.195+/-0.324 χ^2/NDF: 35596633.2/8

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 532.176+/-1034.561 χ^2/NDF:23.3/23

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: 22.099+/-736.833 χ^2/NDF: 41.1/46

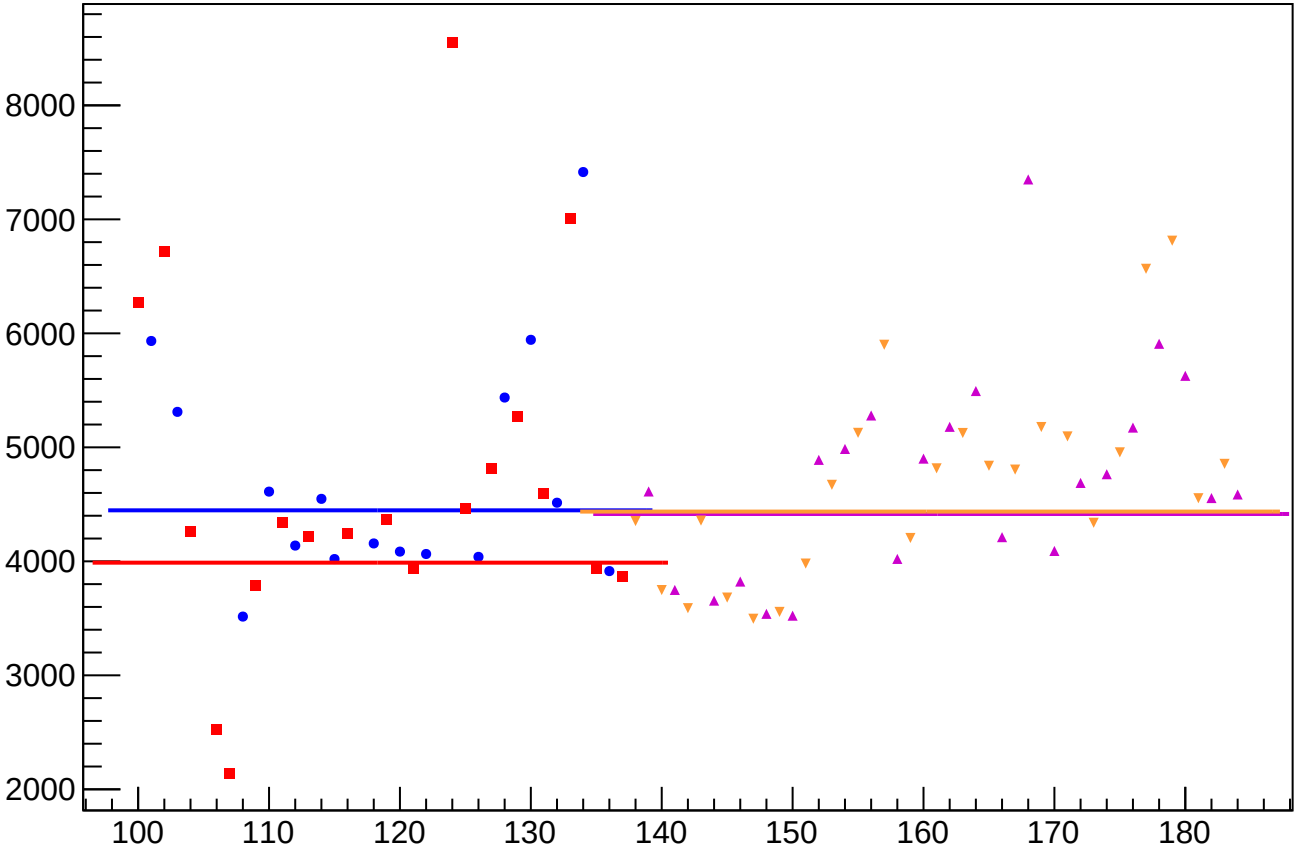
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -1020.831+/-890.914 χ^2/NDF:33.8/38

Out: 81.859+/-859.959 χ^2/NDF:34.5/42

All: -449.996+/-618.737 χ^2/NDF: 69.1/81

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: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

Left: 4426.012+/-0.521 χ^2/NDF: 2181795.1/46

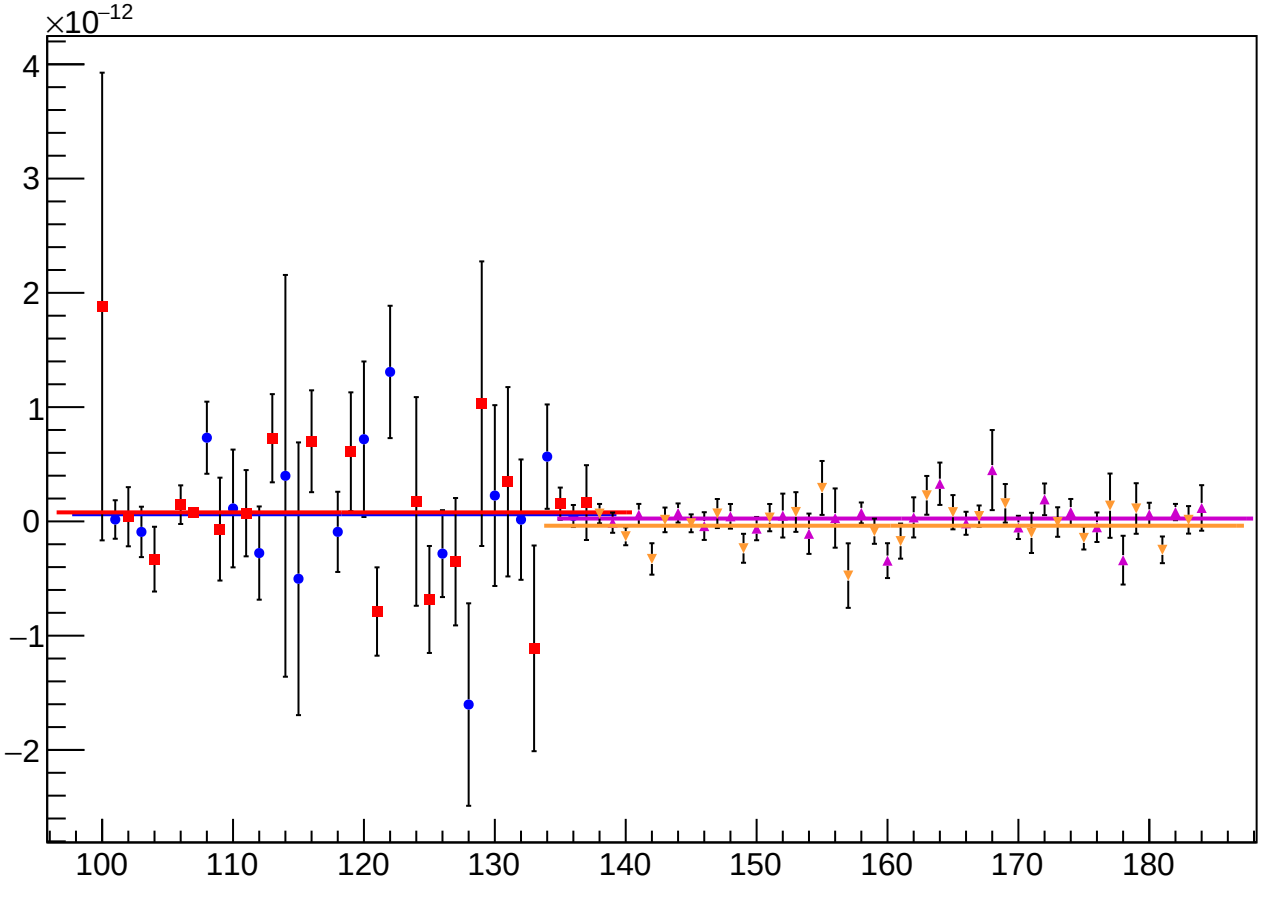
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4424.330+/-0.630 χ^2/NDF:1570184.0/38

Out: 4295.950+/-0.606 χ^2/NDF:2331475.3/42

All: 4357.672+/-0.437 χ^2/NDF: 3923222.3/81

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.000+/-0.000 χ^2/NDF:27.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

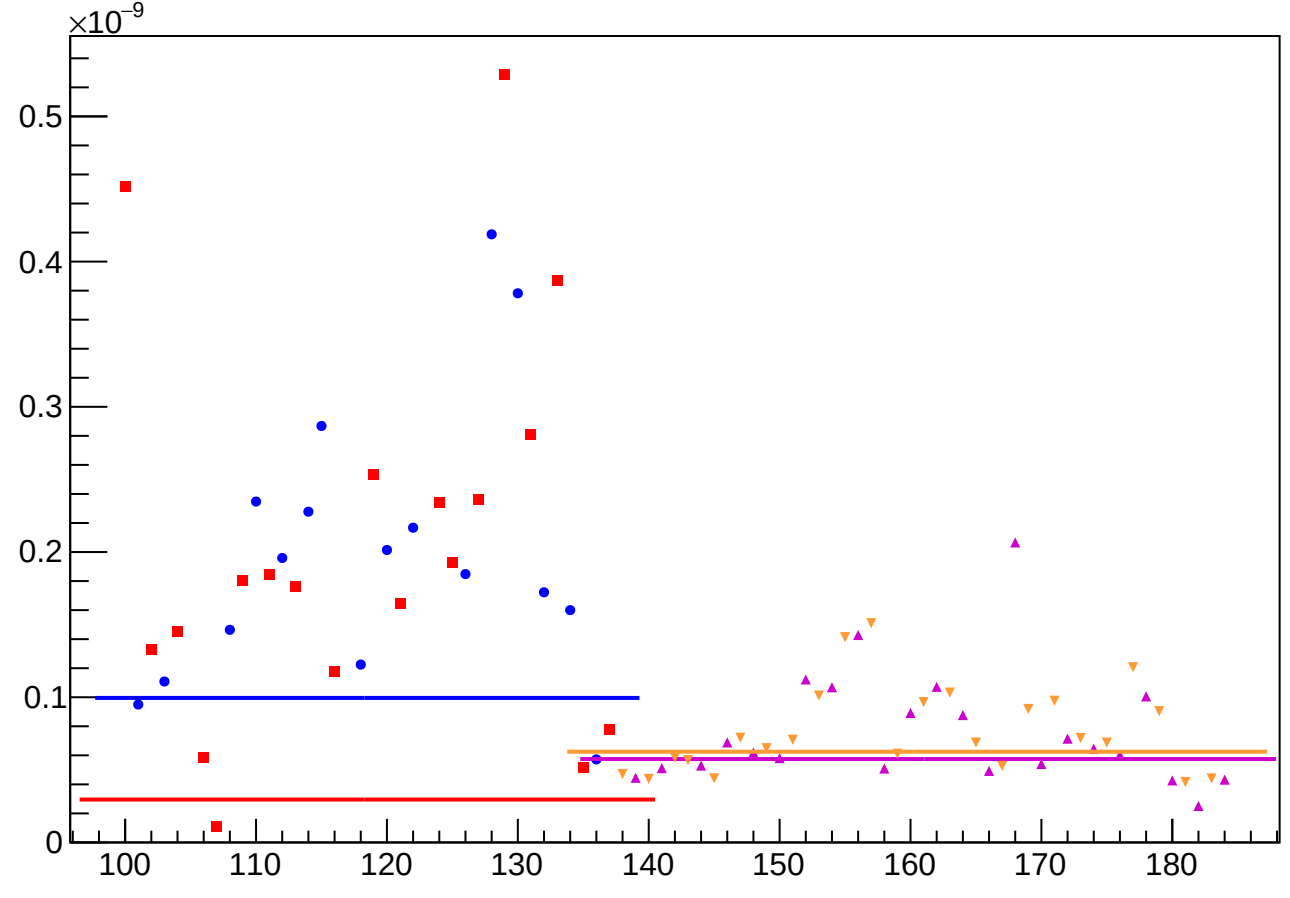
Left: -0.000+/-0.000 χ^2/NDF: 50.3/46

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:37.0/38

Out: 0.000+/-0.000 χ^2/NDF:55.7/42

All: 0.000+/-0.000 χ^2/NDF: 93.4/81



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:1878360.3/22

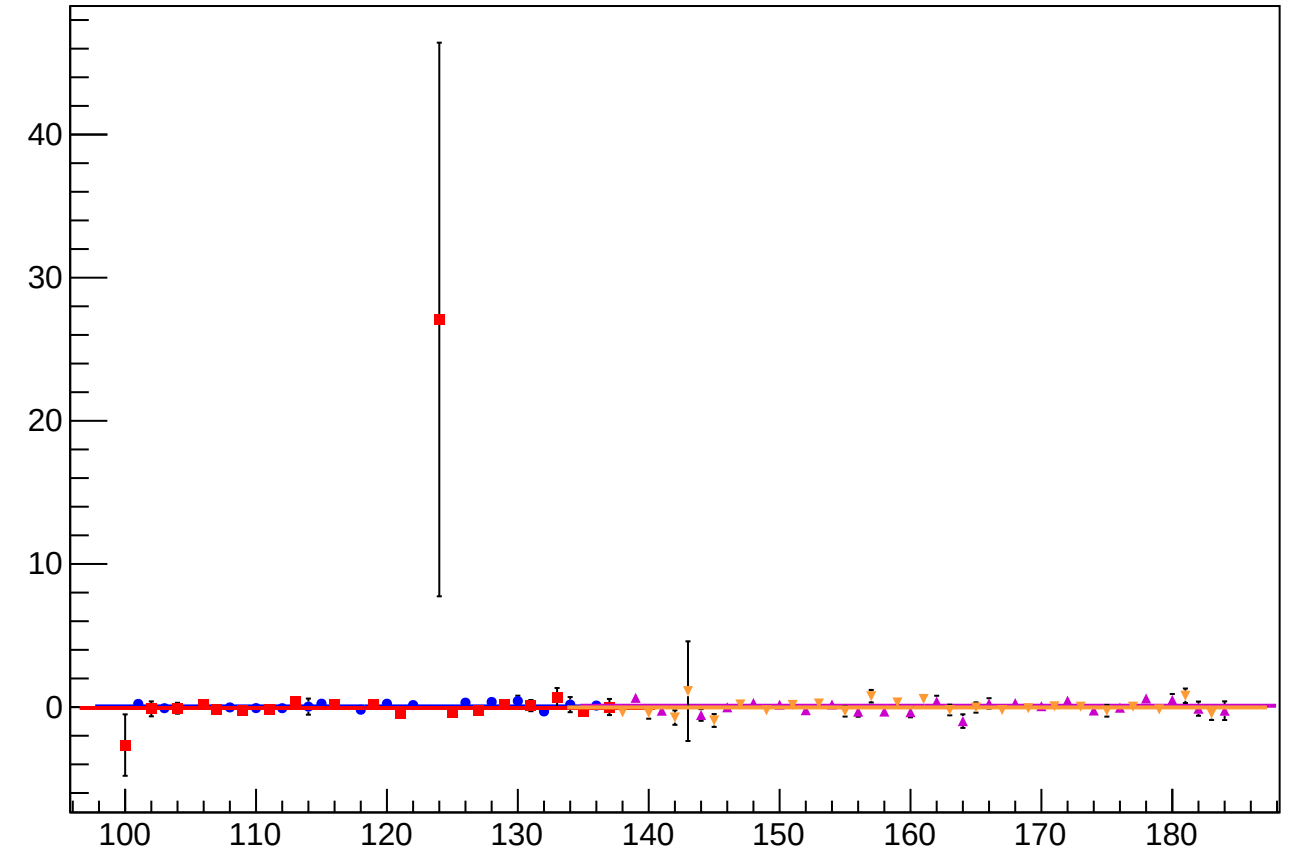
Left: 0.000+/-0.000 χ^2/NDF: 3384539.4/46

Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:4117859.9/38

Out: 0.000+/-0.000 χ^2/NDF:7076165.6/42

All: 0.000+/-0.000 χ^2/NDF: 11489344.8/81



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: 0.095+/-0.063 χ^2/NDF:31.5/22

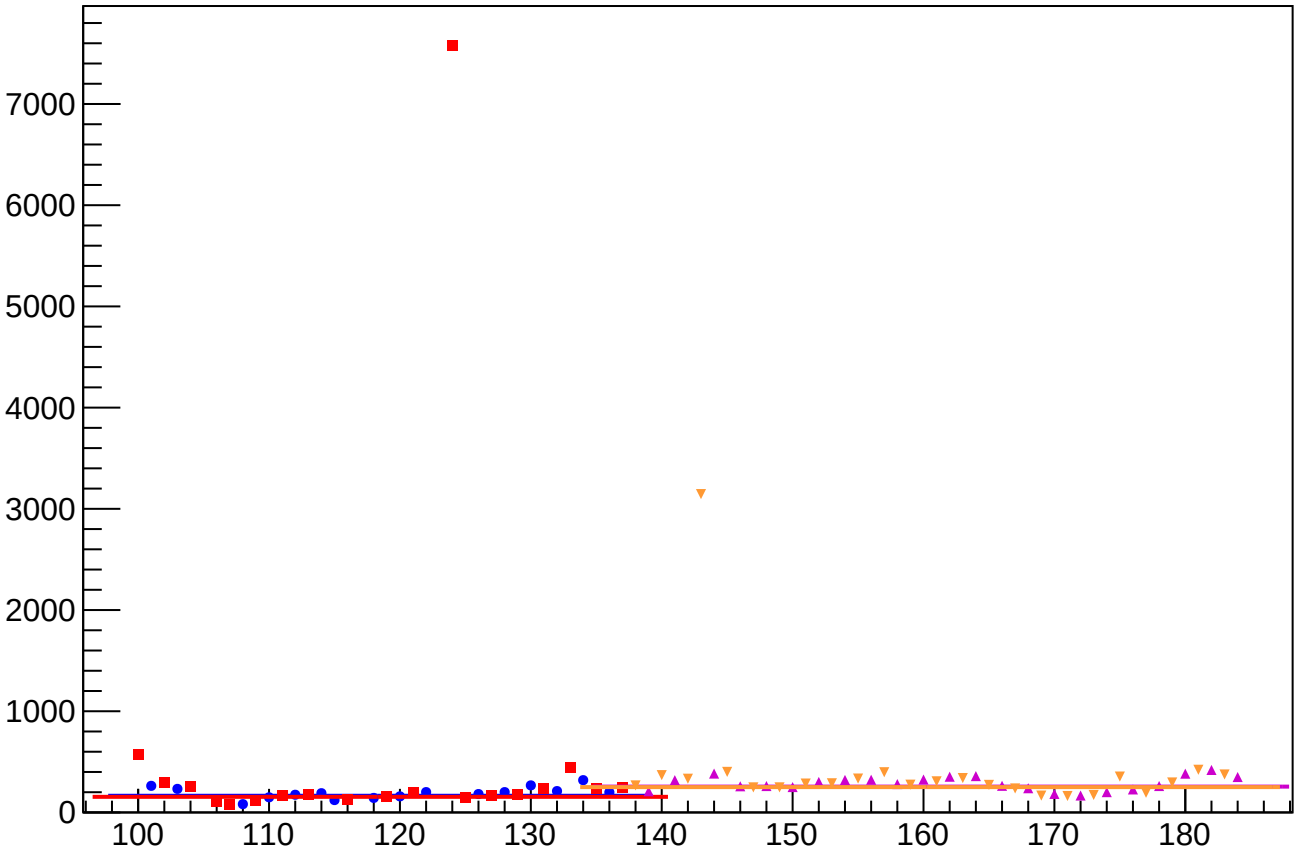
Left: 0.035+/-0.044 χ^2/NDF: 56.8/46

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.073+/-0.046 χ^2/NDF:39.4/38

Out: -0.042+/-0.045 χ^2/NDF:42.1/42

All: 0.014+/-0.032 χ^2/NDF: 84.7/81



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: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.845+/-0.031 χ^2/NDF: 6342797.6/46

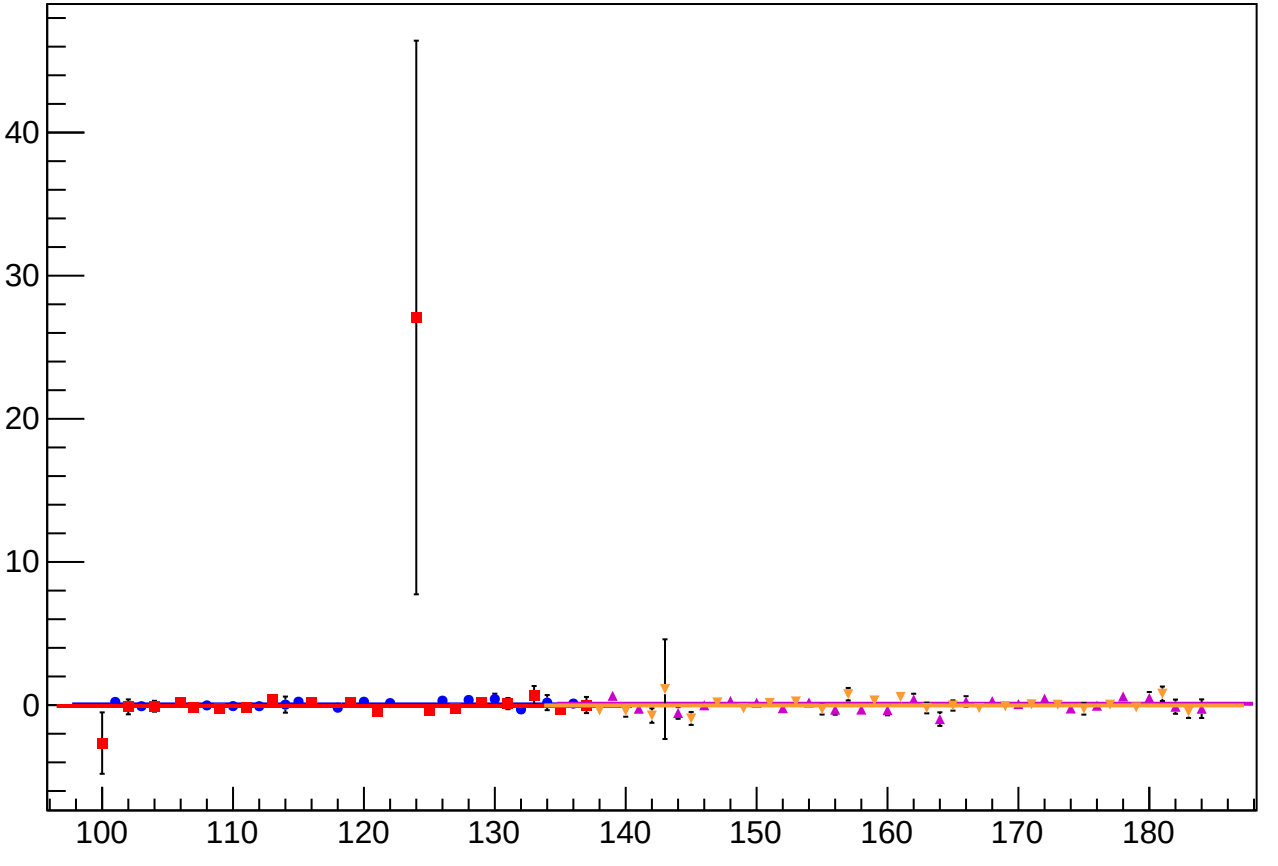
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 212.459+/-0.032 χ^2/NDF:5538515.9/38

Out: 204.053+/-0.032 χ^2/NDF:8447015.7/42

All: 208.168+/-0.023 χ^2/NDF: 14020062.1/81

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: 0.095+/-0.063 χ^2/NDF:31.5/22

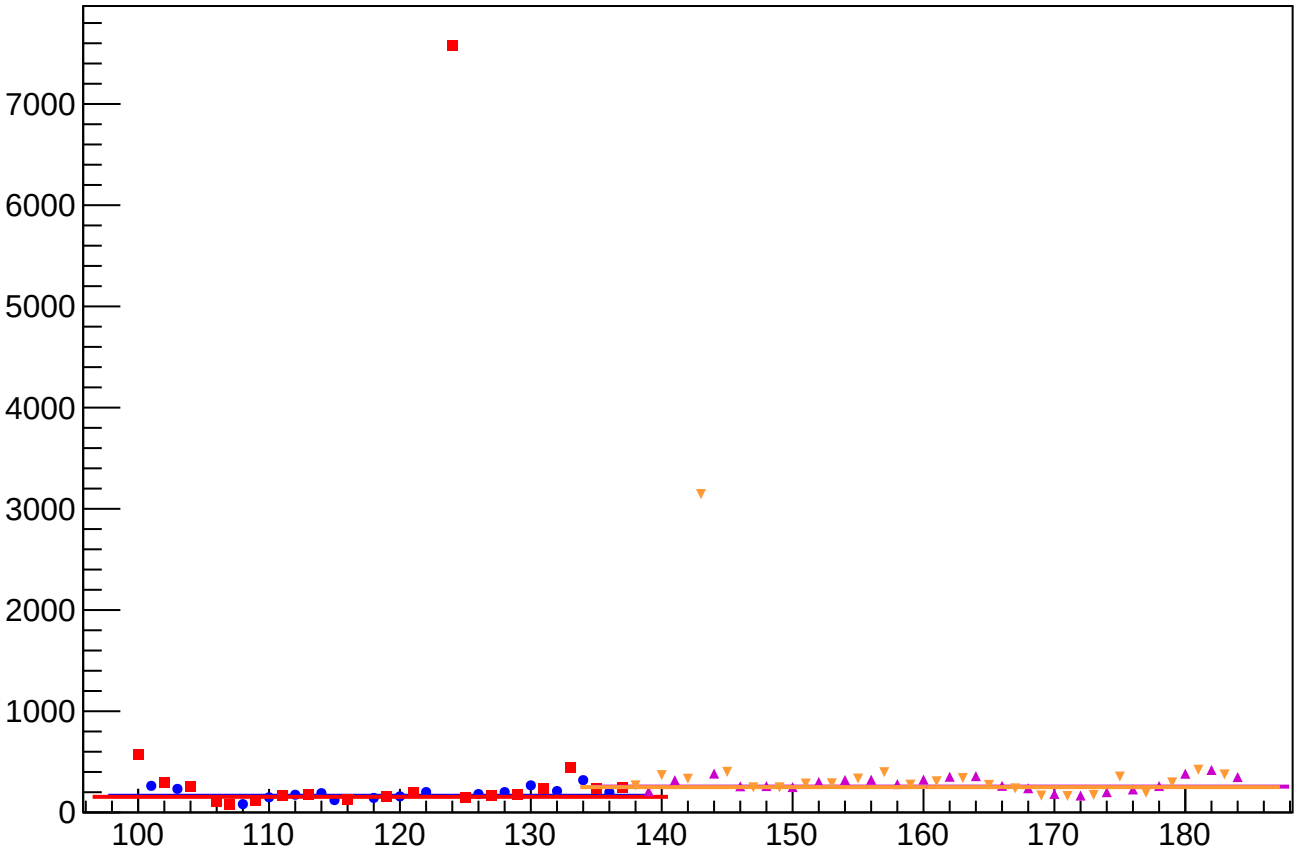
Left: 0.035+/-0.044 χ^2/NDF: 56.8/46

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.073+/-0.046 χ^2/NDF:39.4/38

Out: -0.042+/-0.045 χ^2/NDF:42.1/42

All: 0.014+/-0.032 χ^2/NDF: 84.7/81



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: 255.299+/-0.045 χ^2/NDF:2111552.0/22

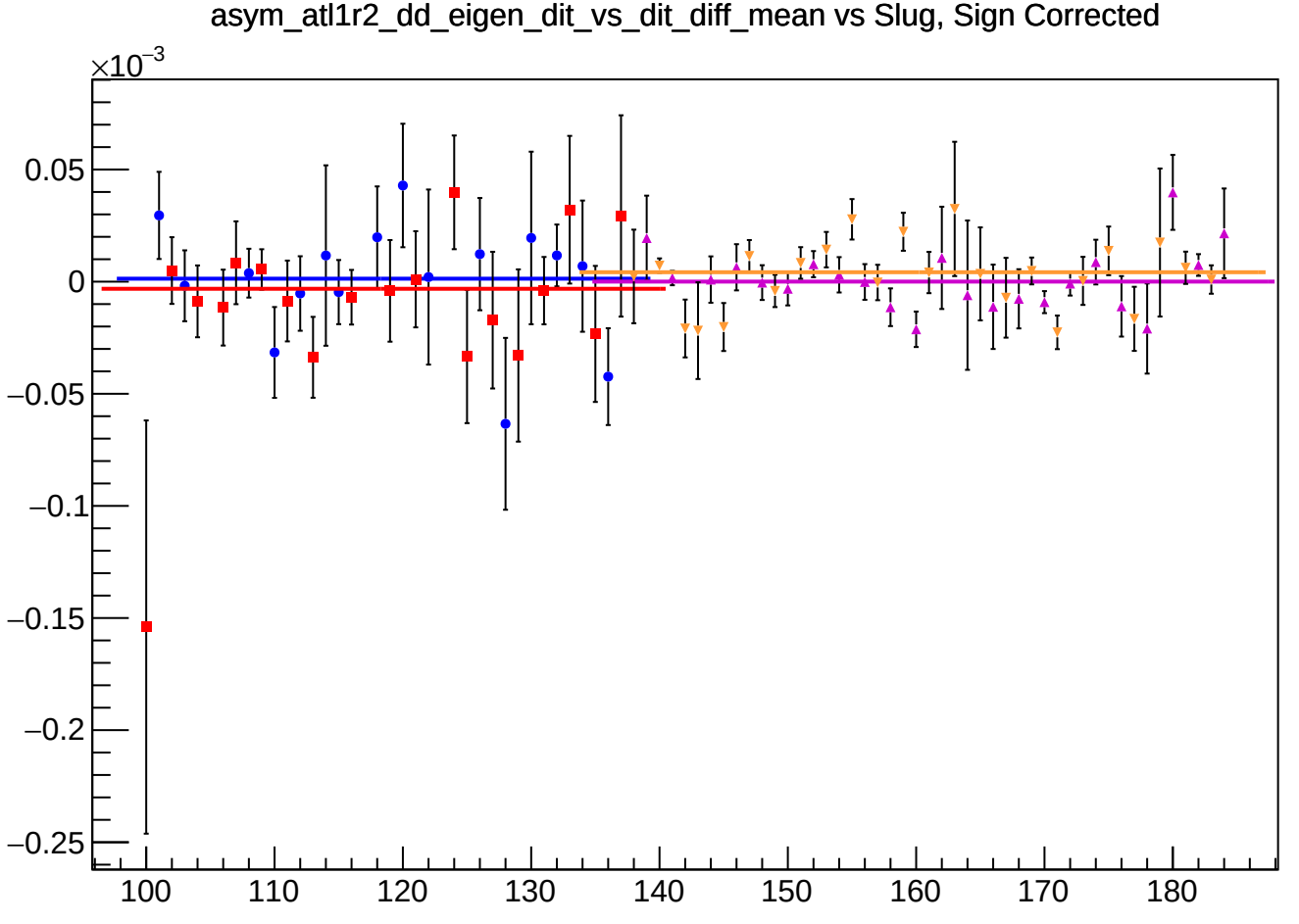
Left: 252.845+/-0.031 χ^2/NDF: 6342797.6/46

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 212.459+/-0.032 χ^2/NDF:5538515.9/38

Out: 204.053+/-0.032 χ^2/NDF:8447015.7/42

All: 208.168+/-0.023 χ^2/NDF: 14020062.1/81



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:29.0/22

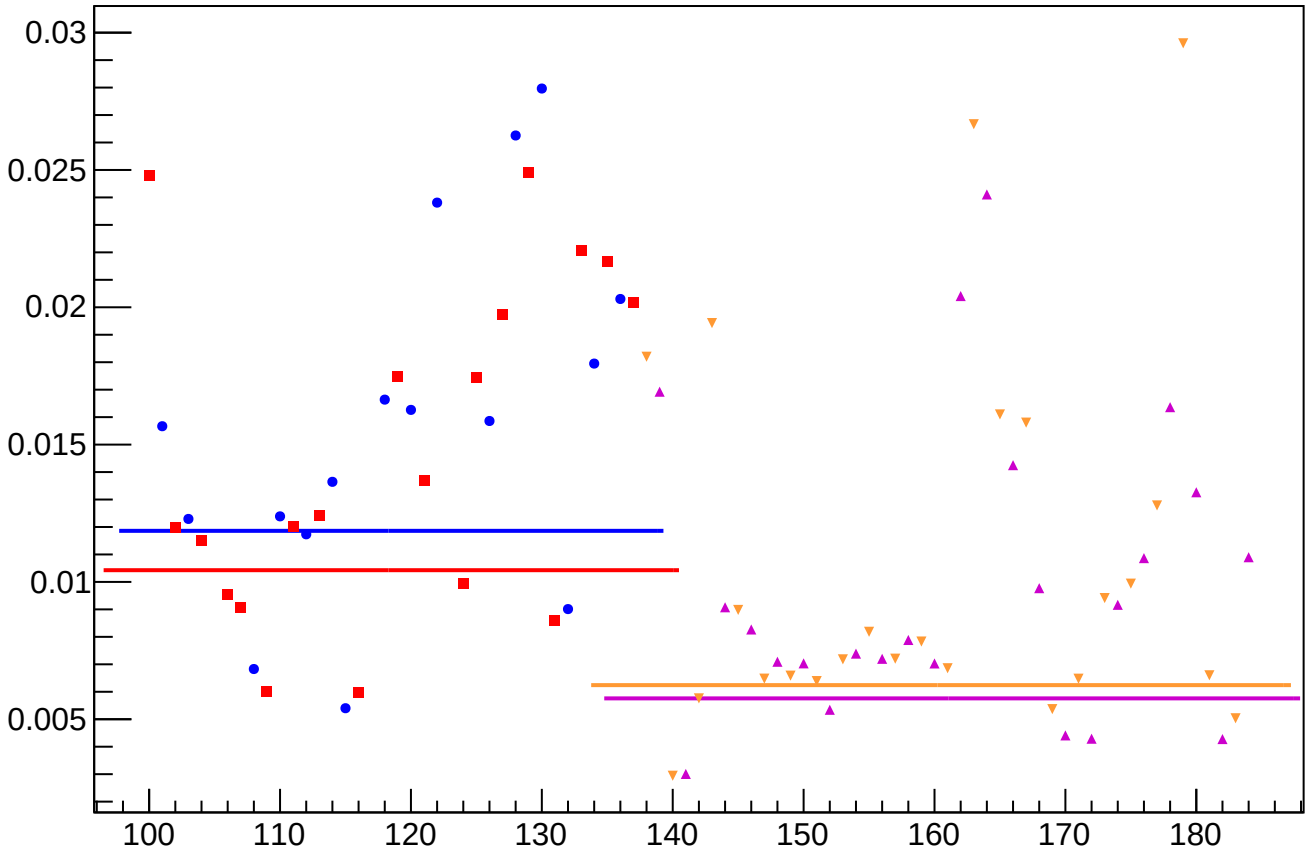
Left: 0.000+/-0.000 χ^2/NDF: 77.4/46

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:45.2/38

Out: 0.000+/-0.000 χ^2/NDF:62.3/42

All: 0.000+/-0.000 χ^2/NDF: 109.5/81



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:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 14966642.0/46

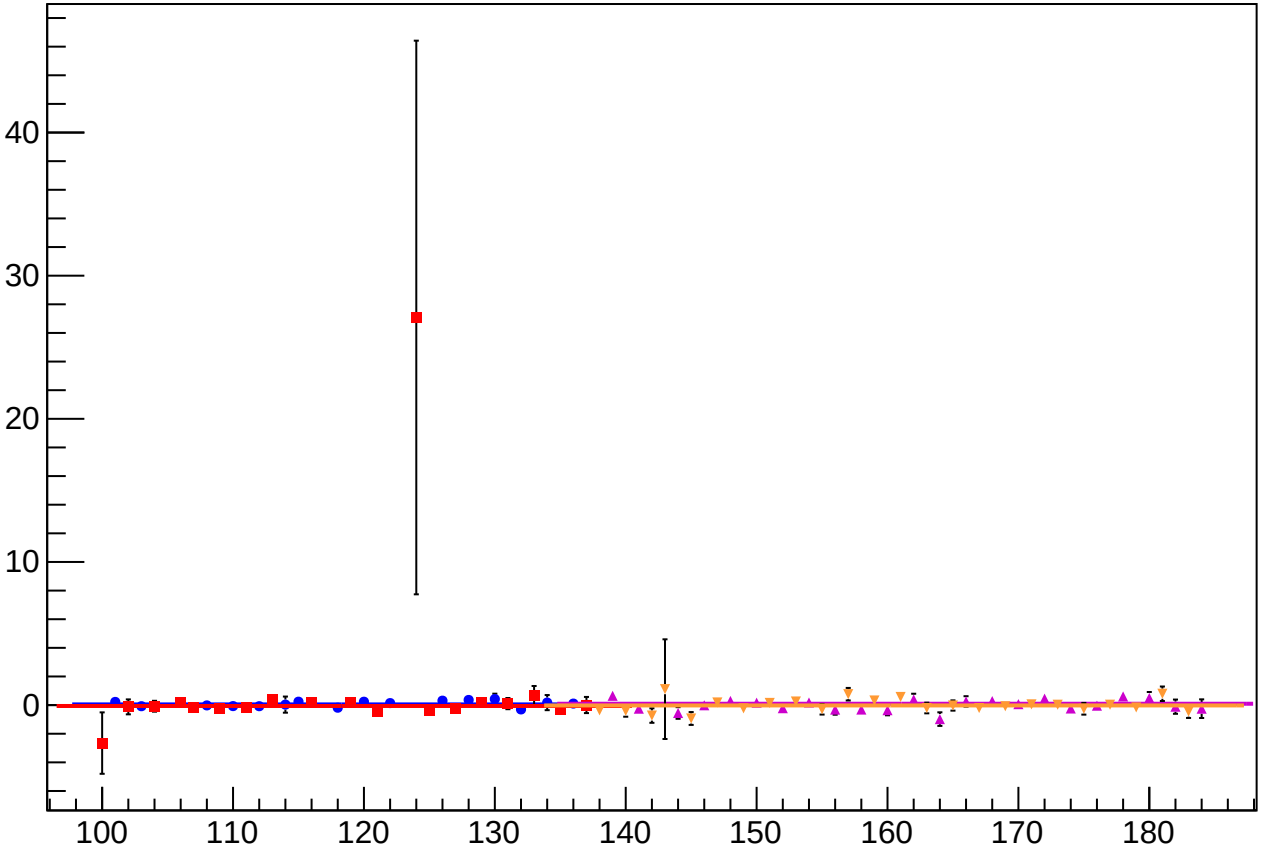
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:12324261.0/38

Out: 0.007+/-0.000 χ^2/NDF:11843015.4/42

All: 0.007+/-0.000 χ^2/NDF: 24256881.9/81

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: 0.095+/-0.063 χ^2/NDF:31.5/22

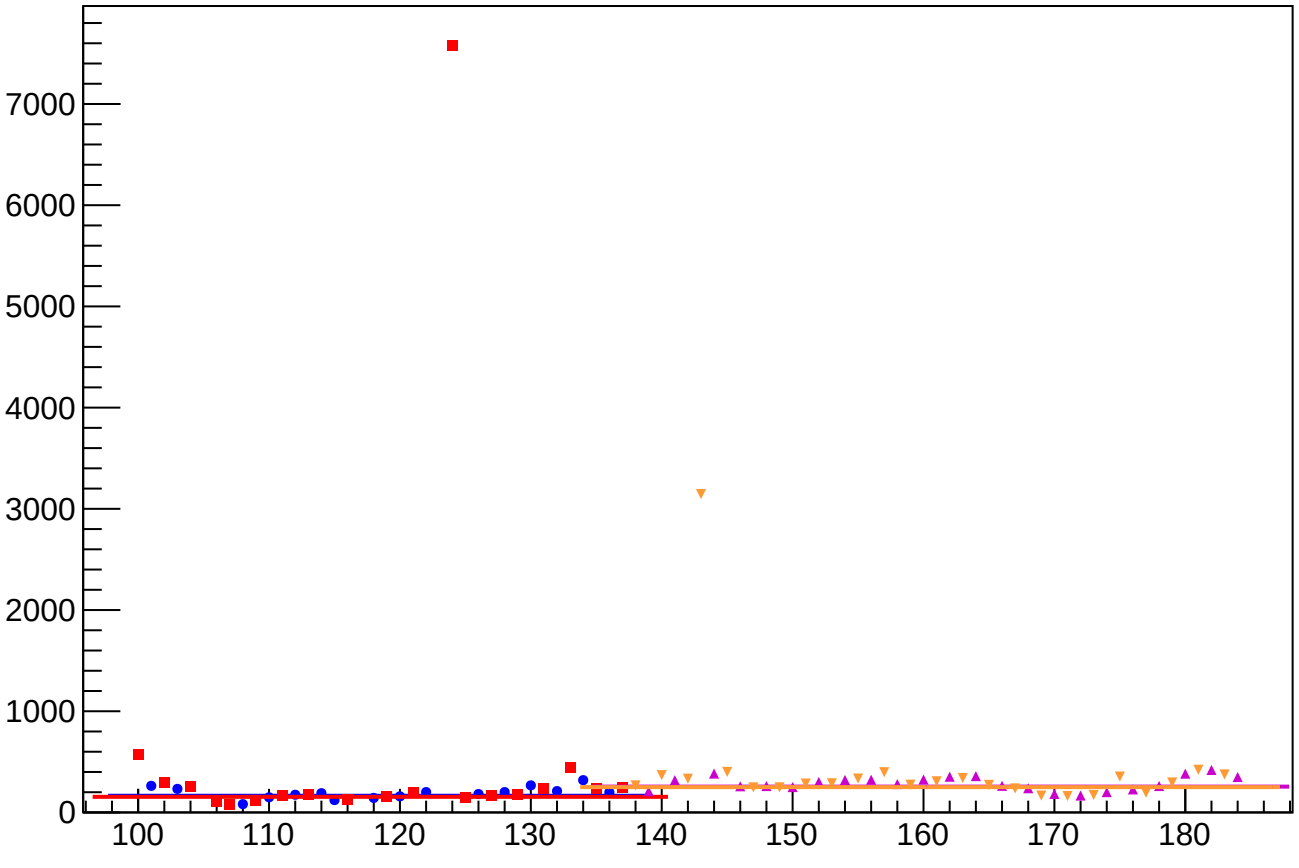
Left: 0.035+/-0.044 χ^2/NDF: 56.8/46

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.073+/-0.046 χ^2/NDF:39.4/38

Out: -0.042+/-0.045 χ^2/NDF:42.1/42

All: 0.014+/-0.032 χ^2/NDF: 84.7/81



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: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.847+/-0.031 χ^2/NDF: 6342929.1/46

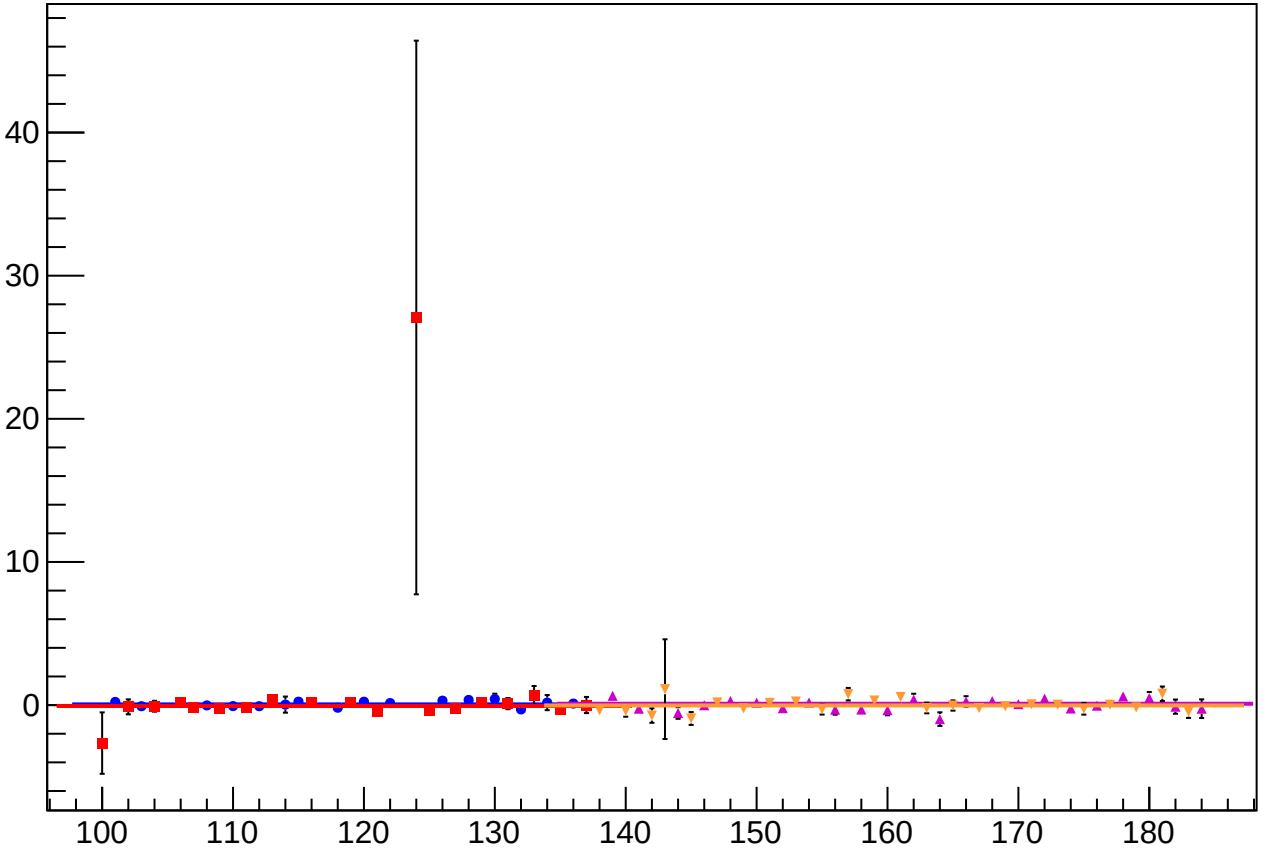
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 212.459+/-0.032 χ^2/NDF:5538622.0/38

Out: 204.054+/-0.032 χ^2/NDF:8447208.9/42

All: 208.169+/-0.023 χ^2/NDF: 14020363.7/81

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: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.035+/-0.044 χ^2/NDF: 56.8/46

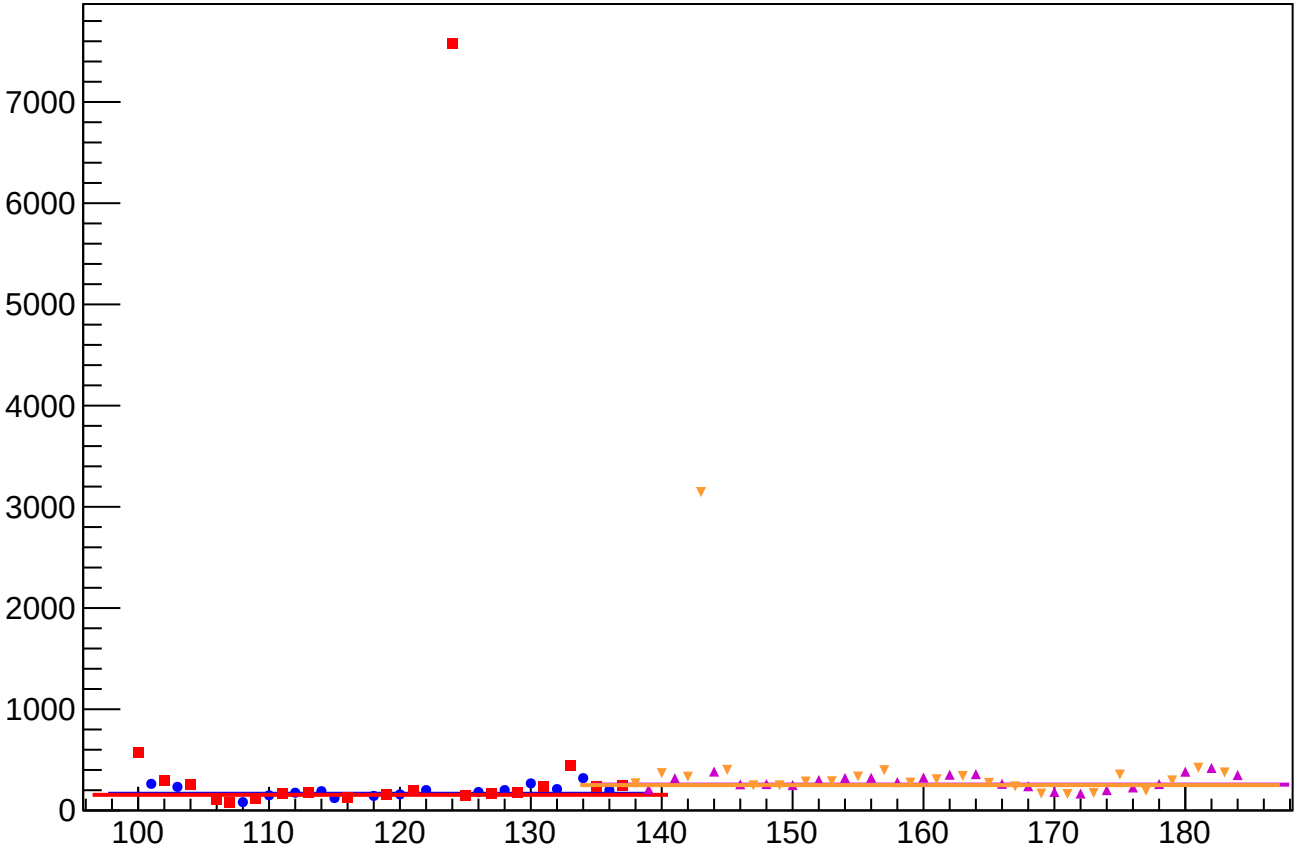
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.073+/-0.046 χ^2/NDF:39.4/38

Out: -0.042+/-0.045 χ^2/NDF:42.1/42

All: 0.014+/-0.032 χ^2/NDF: 84.7/81

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: 255.302+/-0.045 χ^2/NDF:2111585.0/22

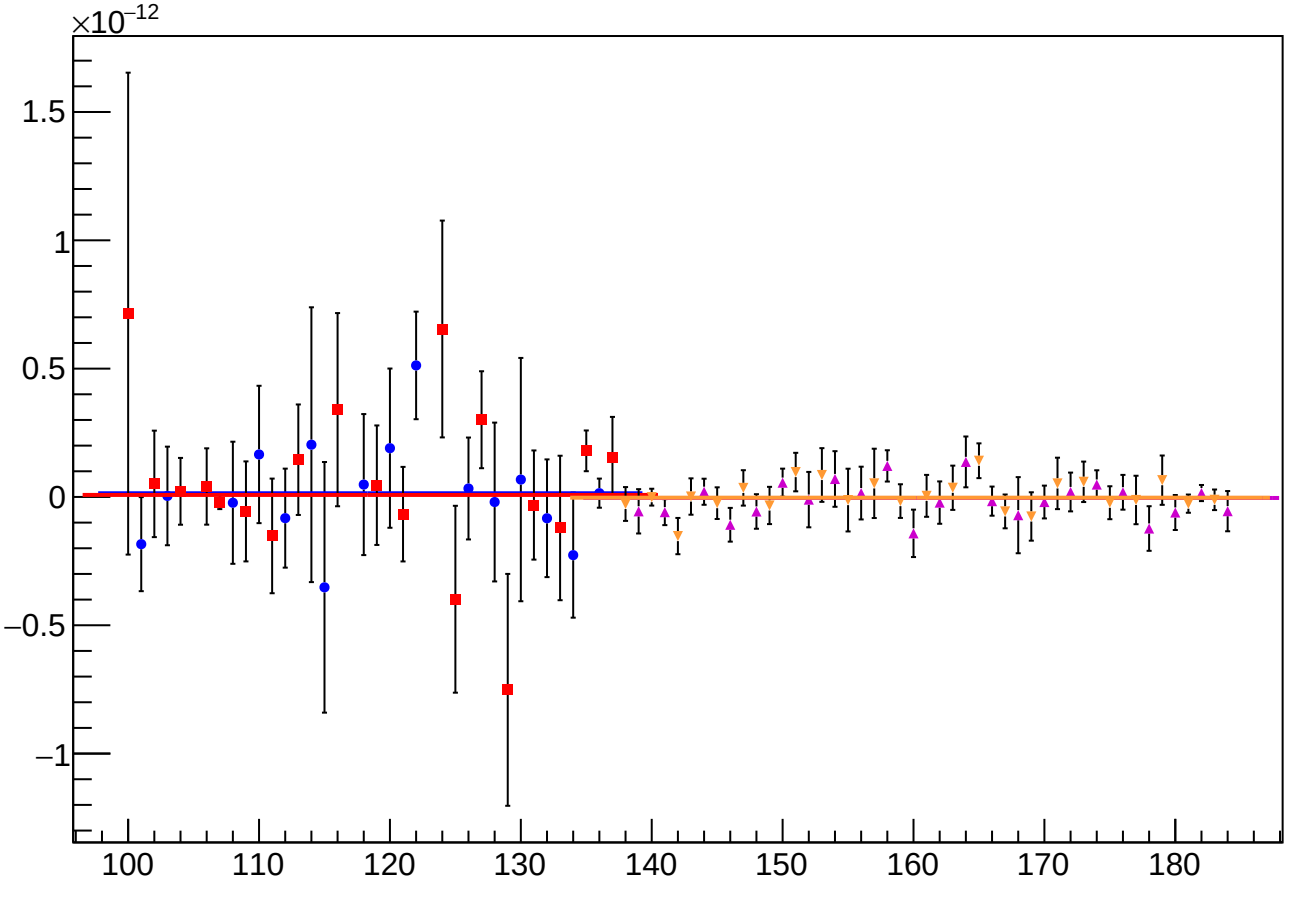
Left: 252.847+/-0.031 χ^2/NDF: 6342929.1/46

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 212.459+/-0.032 χ^2/NDF:5538622.0/38

Out: 204.054+/-0.032 χ^2/NDF:8447208.9/42

All: 208.169+/-0.023 χ^2/NDF: 14020363.7/81



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:19.9/22

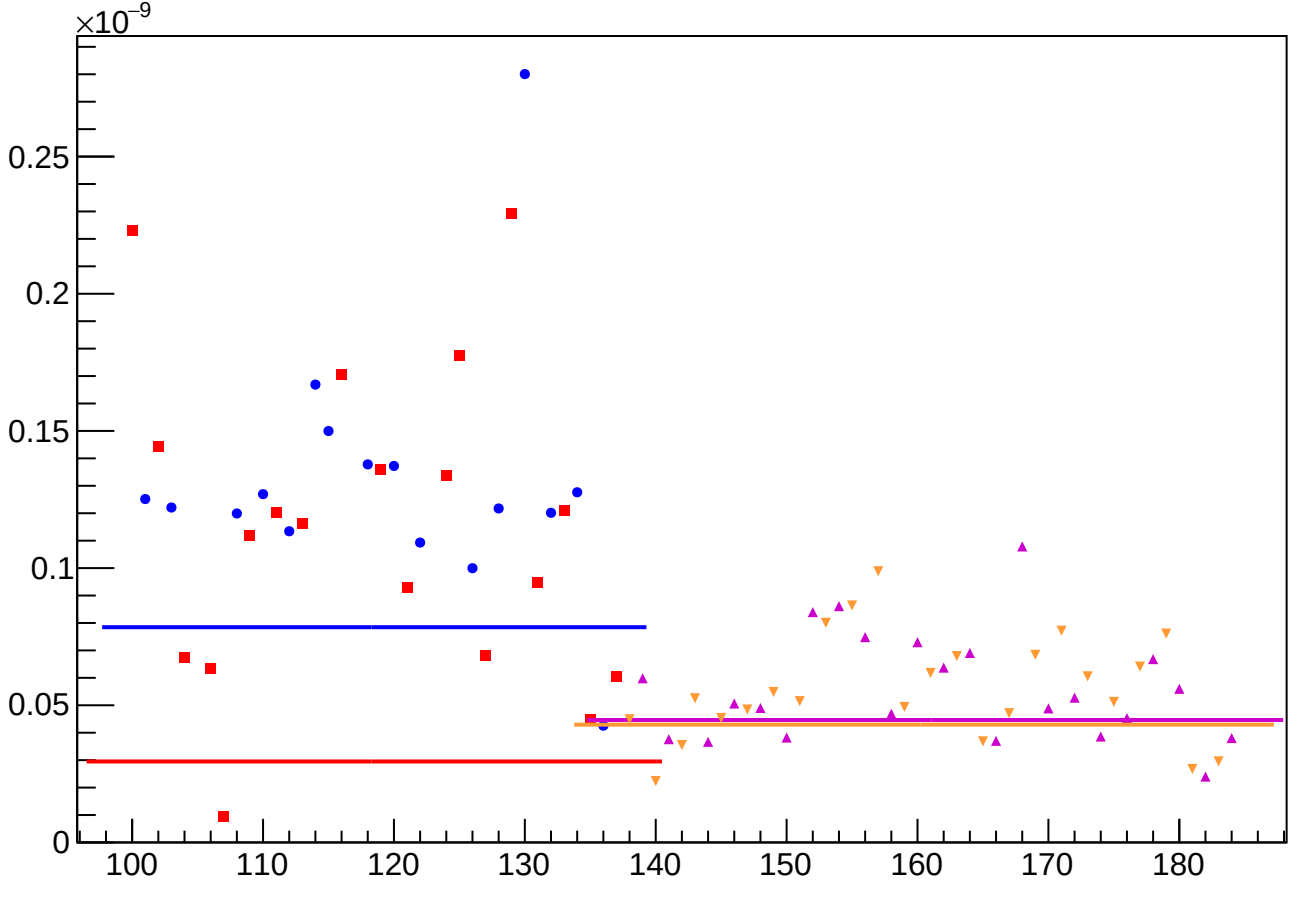
Left: -0.000+/-0.000 χ^2/NDF: 35.8/46

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:29.7/38

Out: -0.000+/-0.000 χ^2/NDF:34.4/42

All: -0.000+/-0.000 χ^2/NDF: 64.1/81



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:2871089.5/22

Left: 0.000+/-0.000 χ^2/NDF: 6483986.7/46

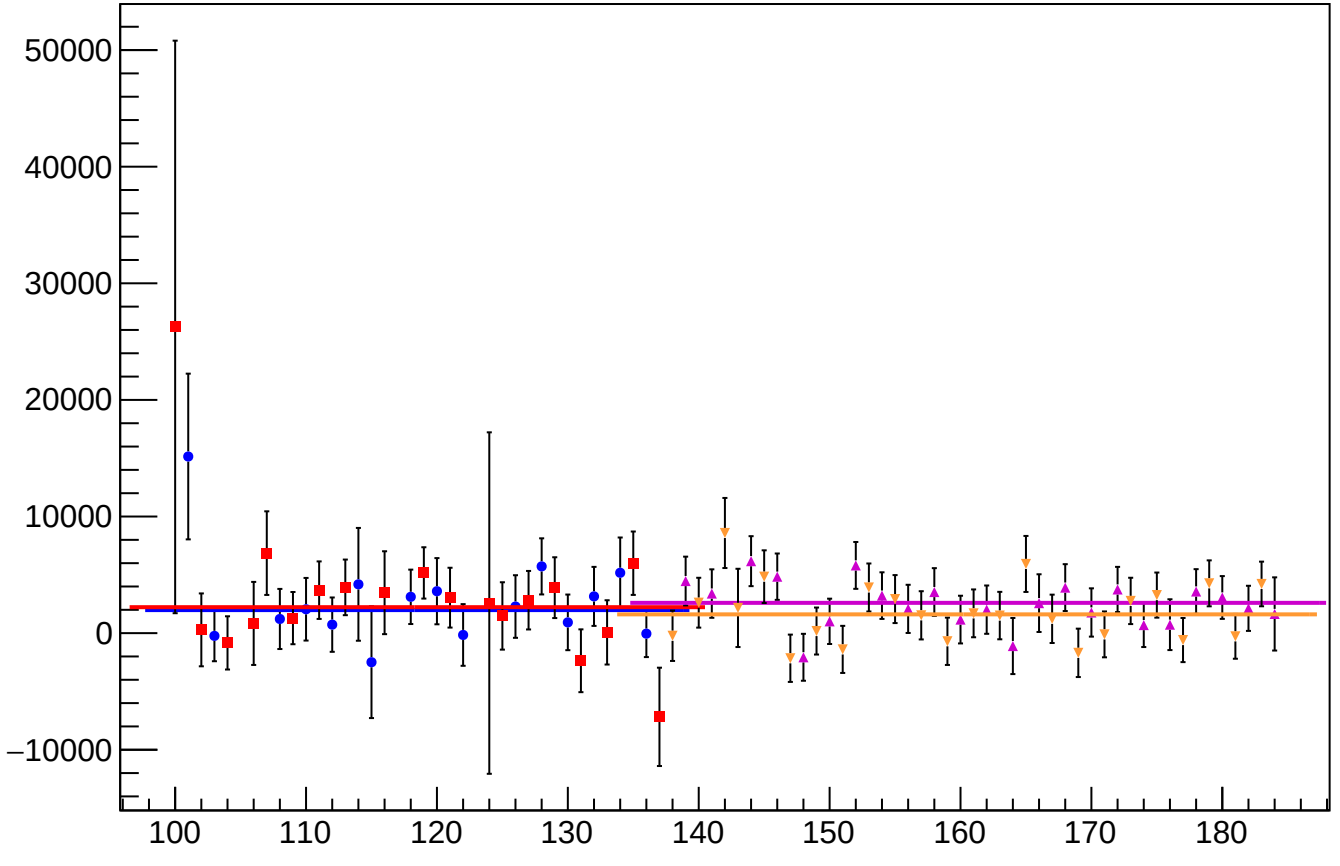
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:6128127.7/38

Out: 0.000+/-0.000 χ^2/NDF:9599874.8/42

All: 0.000+/-0.000 χ^2/NDF: 16175704.8/81

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: 2597.740+/-430.293 χ^2/NDF:20.1/22

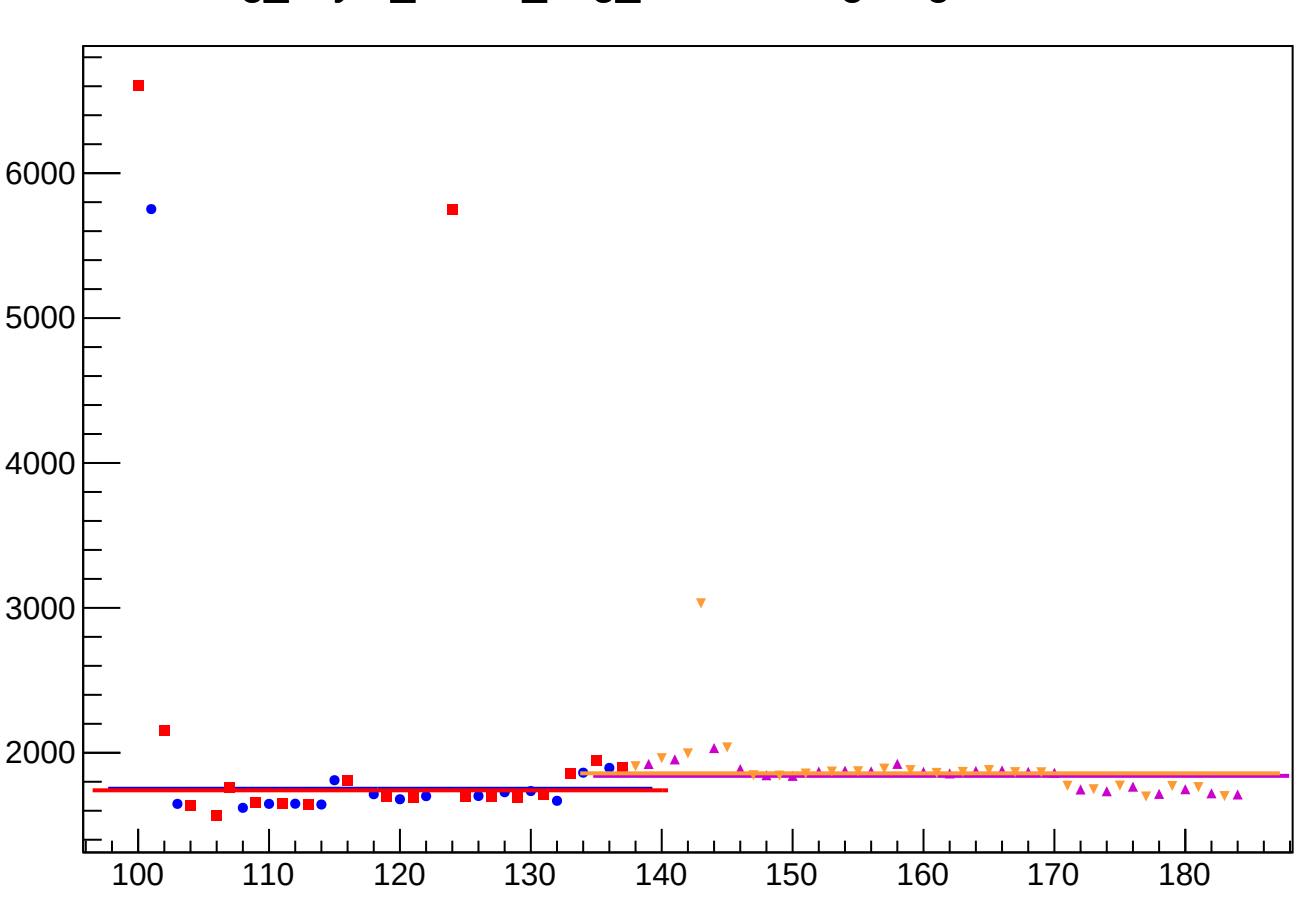
Left: 2100.078+/-303.023 χ^2/NDF: 53.9/46

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2415.389+/-361.694 χ^2/NDF:32.8/38

Out: 1793.458+/-357.799 χ^2/NDF:50.7/42

All: 2101.057+/-254.368 χ^2/NDF: 85.1/81



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: 1840.981+/-0.304 χ^2/NDF:70985.8/22

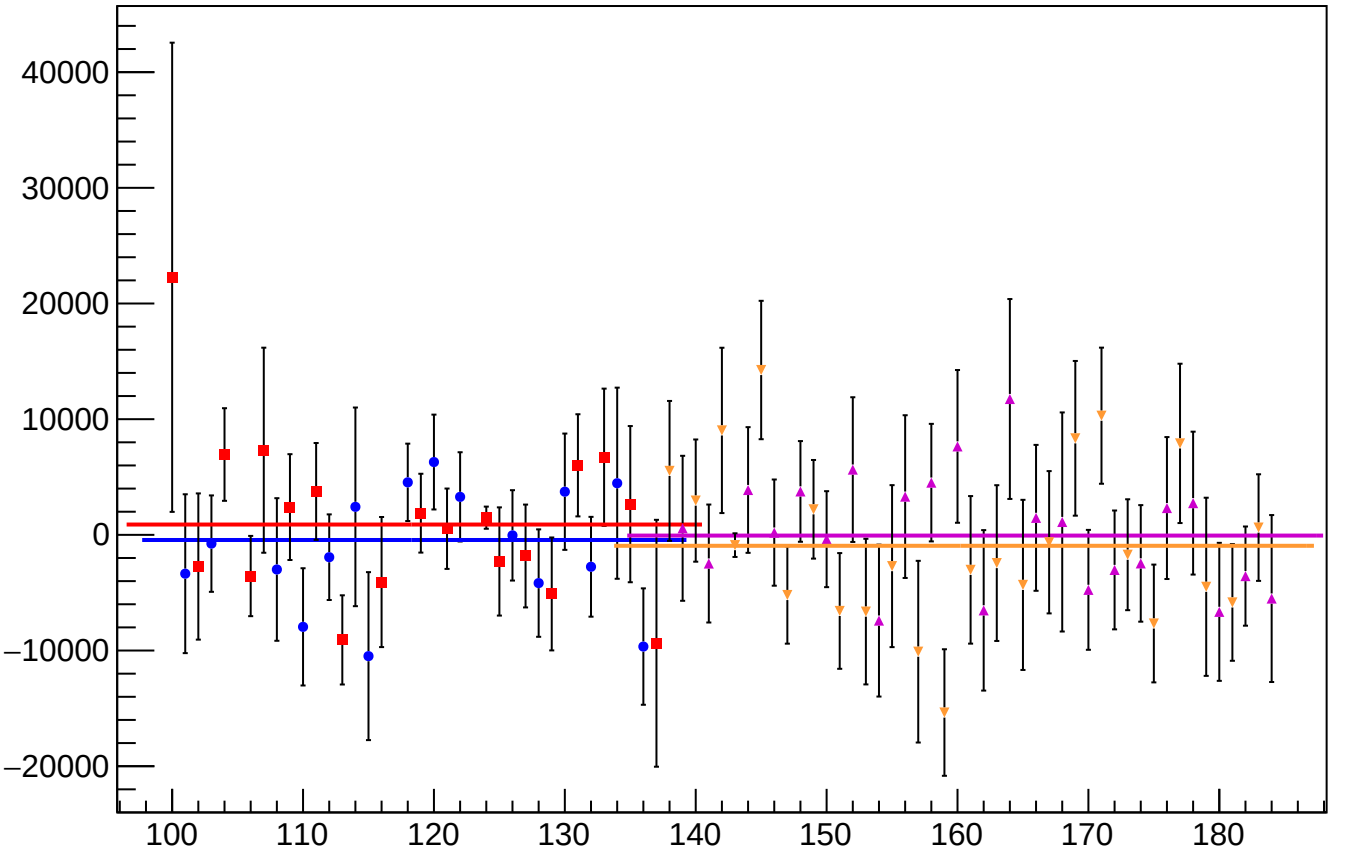
Left: 1849.762+/-0.214 χ^2/NDF: 391490.2/46

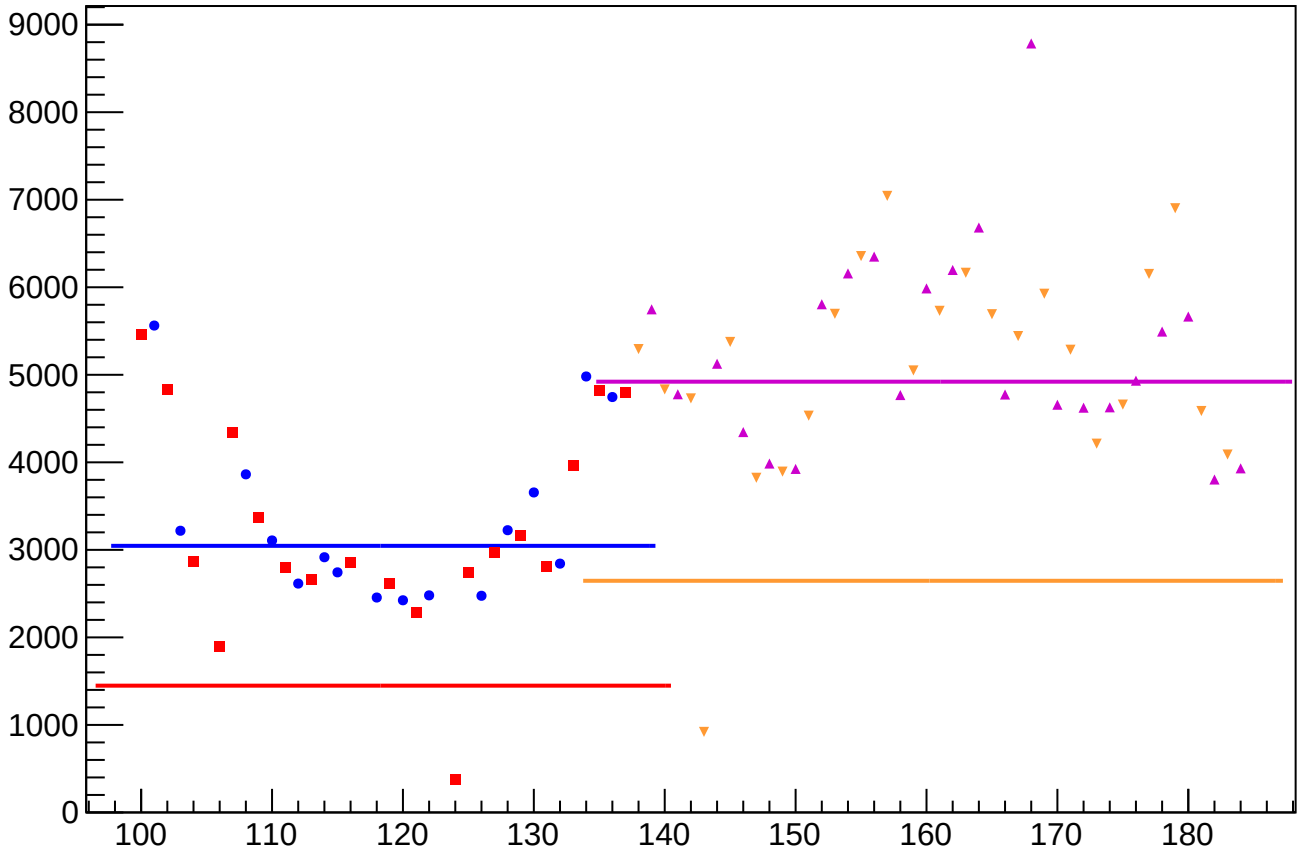
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1814.756+/-0.256 χ^2/NDF:766955.6/38

Out: 1823.159+/-0.252 χ^2/NDF:668913.5/42

All: 1819.012+/-0.180 χ^2/NDF: 1436415.9/81


asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -444.273+/-1174.448 χ²/NDF: 15.9/15
Left Out: -945.522+/-775.362 χ²/NDF:32.8/23
Right Out: 892.237+/-725.737 χ²/NDF: 20.1/18
Left In: -62.369+/-1173.429 χ²/NDF:13.0/22
Left: -677.116+/-646.897 χ²/NDF: 46.2/46
Right: 522.917+/-617.375 χ²/NDF: 36.9/34
In: -253.156+/-830.100 χ²/NDF:29.0/38
Out: 34.047+/-529.849 χ²/NDF:55.8/42
All: -49.093+/-446.622 χ²/NDF: 84.9/81



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: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

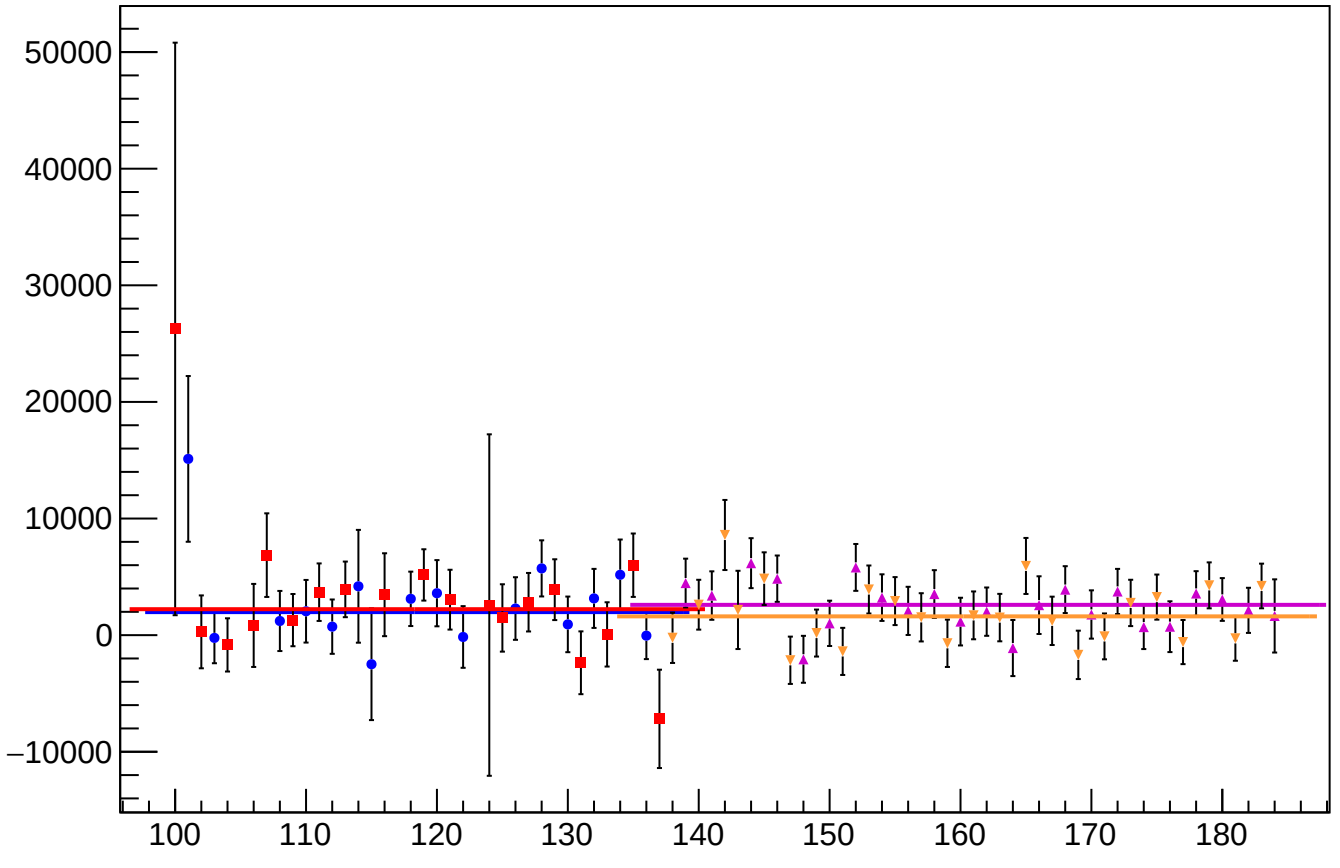
Left: 3337.974+/-0.457 χ^2/NDF: 20953564.6/46

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3984.432+/-0.587 χ^2/NDF:4710606.9/38

Out: 2008.026+/-0.375 χ^2/NDF:23803686.4/42

All: 2580.158+/-0.316 χ^2/NDF: 36569883.4/8



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: 2597.812+/-430.293 χ^2/NDF:20.1/22

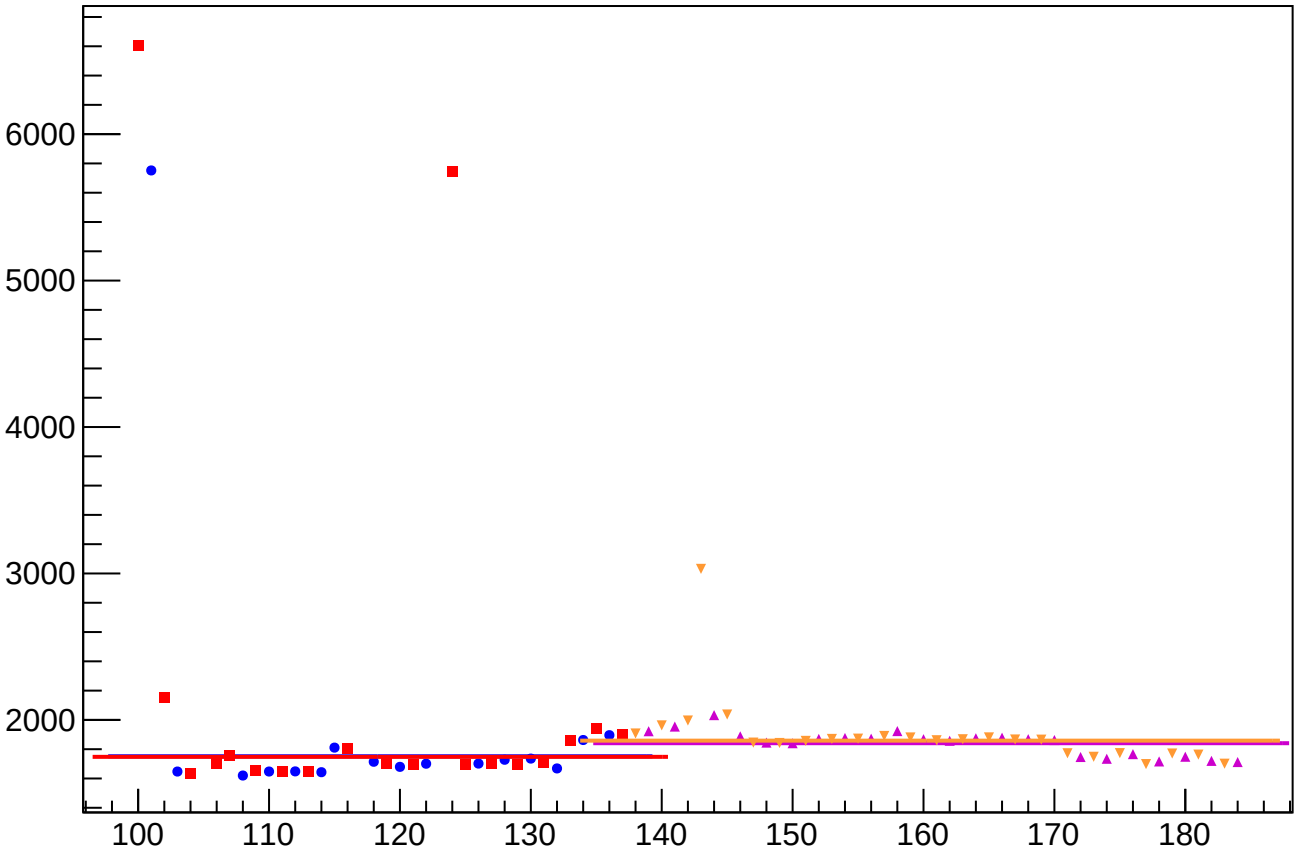
Left: 2100.102+/-303.023 χ^2/NDF: 53.9/46

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2415.336+/-361.694 χ^2/NDF:32.8/38

Out: 1793.470+/-357.799 χ^2/NDF:50.7/42

All: 2101.037+/-254.368 χ^2/NDF: 85.0/81



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: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1849.762+/-0.214 χ^2/NDF: 391490.2/46

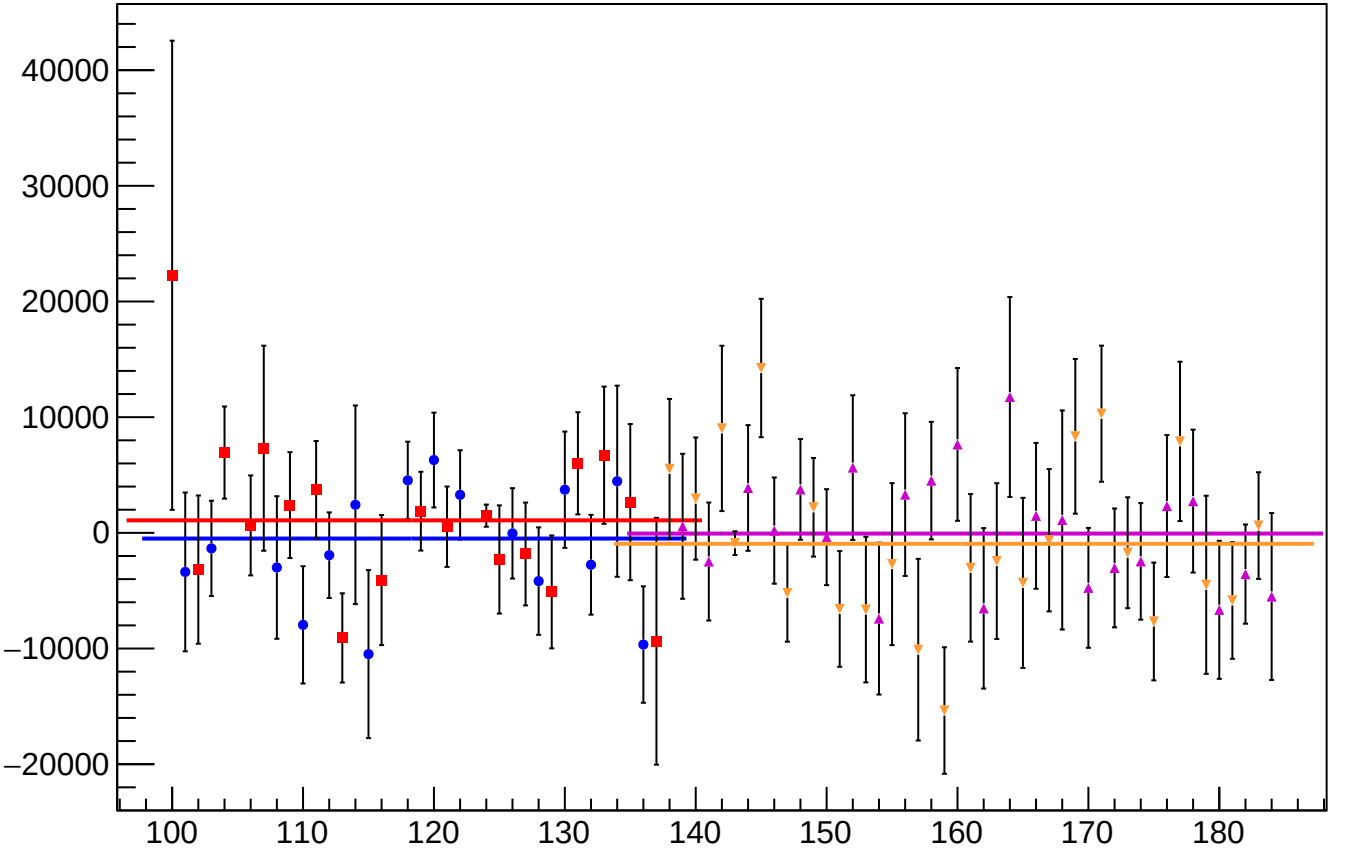
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1814.756+/-0.256 χ^2/NDF:766956.0/38

Out: 1825.350+/-0.253 χ^2/NDF:656909.6/42

All: 1820.116+/-0.180 χ^2/NDF: 1424733.7/81

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: -62.286+/-1173.429 χ^2/NDF:13.0/22

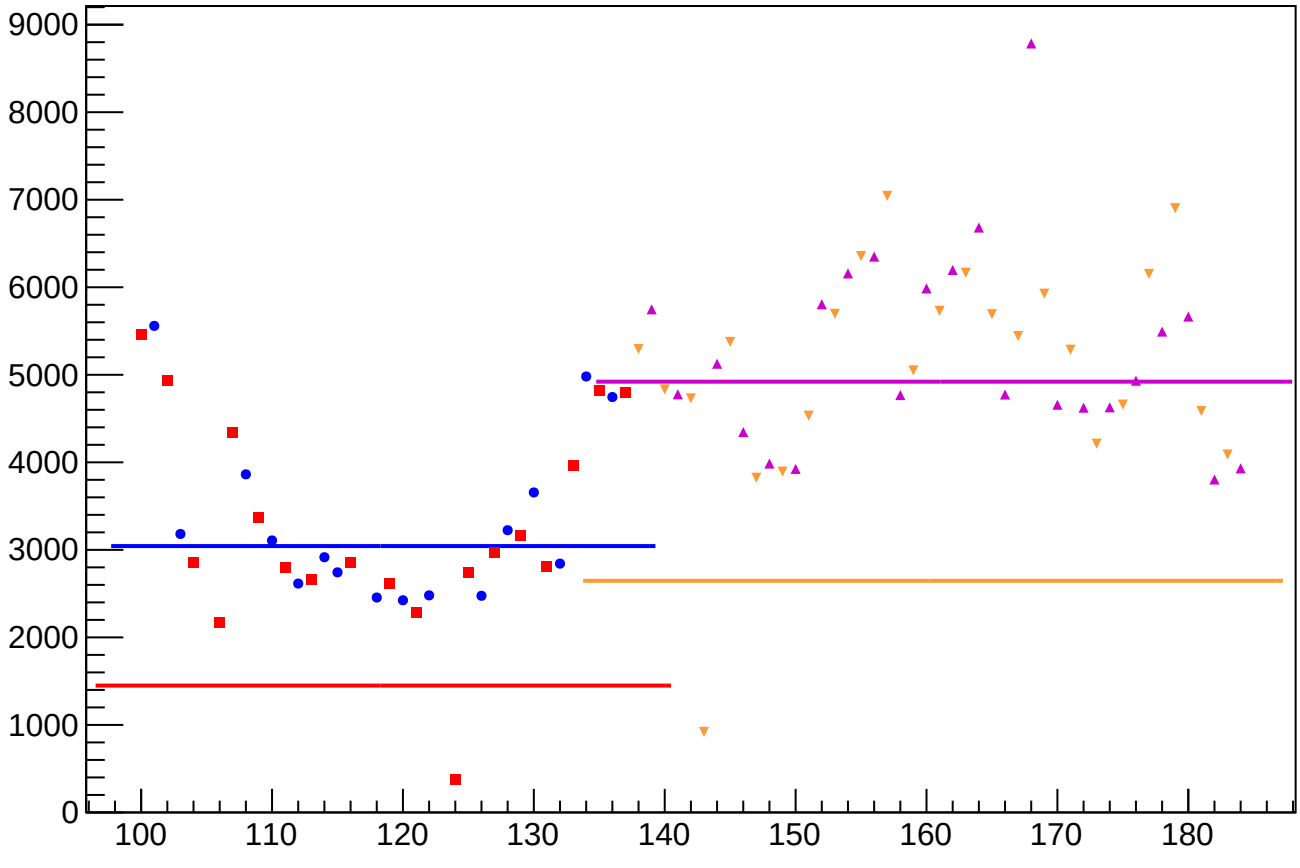
Left: -676.992+/-646.886 χ^2/NDF: 46.2/46

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -277.636+/-829.672 χ^2/NDF:29.1/38

Out: 126.745+/-532.058 χ^2/NDF:54.8/42

All: 8.905+/-447.875 χ^2/NDF: 84.1/81



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: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

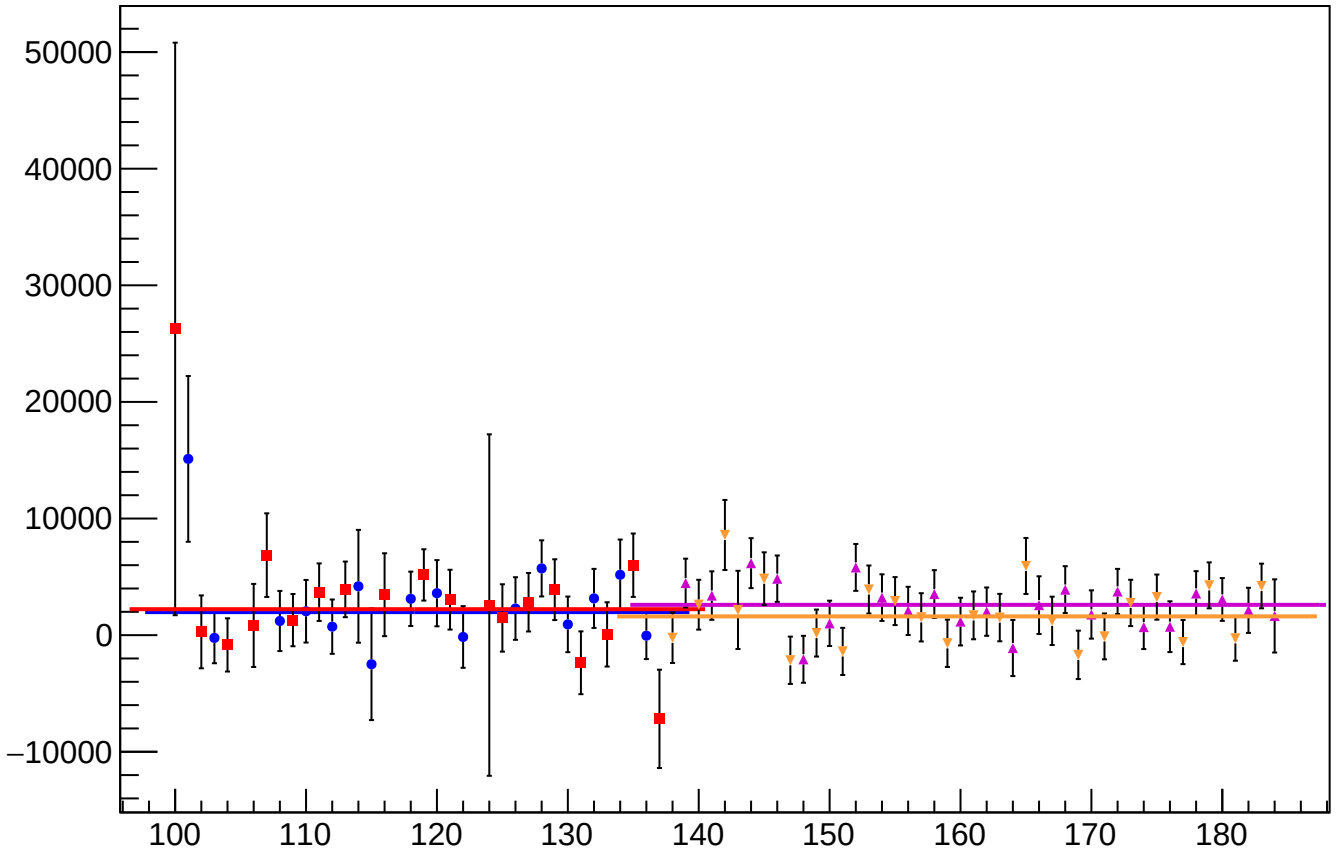
Left: 3337.879+/-0.457 χ^2/NDF: 20954836.6/46

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3982.141+/-0.587 χ^2/NDF:4718731.2/38

Out: 2013.205+/-0.376 χ^2/NDF:23819952.8/42

All: 2586.967+/-0.317 χ^2/NDF: 36520039.1/8



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: 2597.812+/-430.293 χ^2/NDF:20.1/22

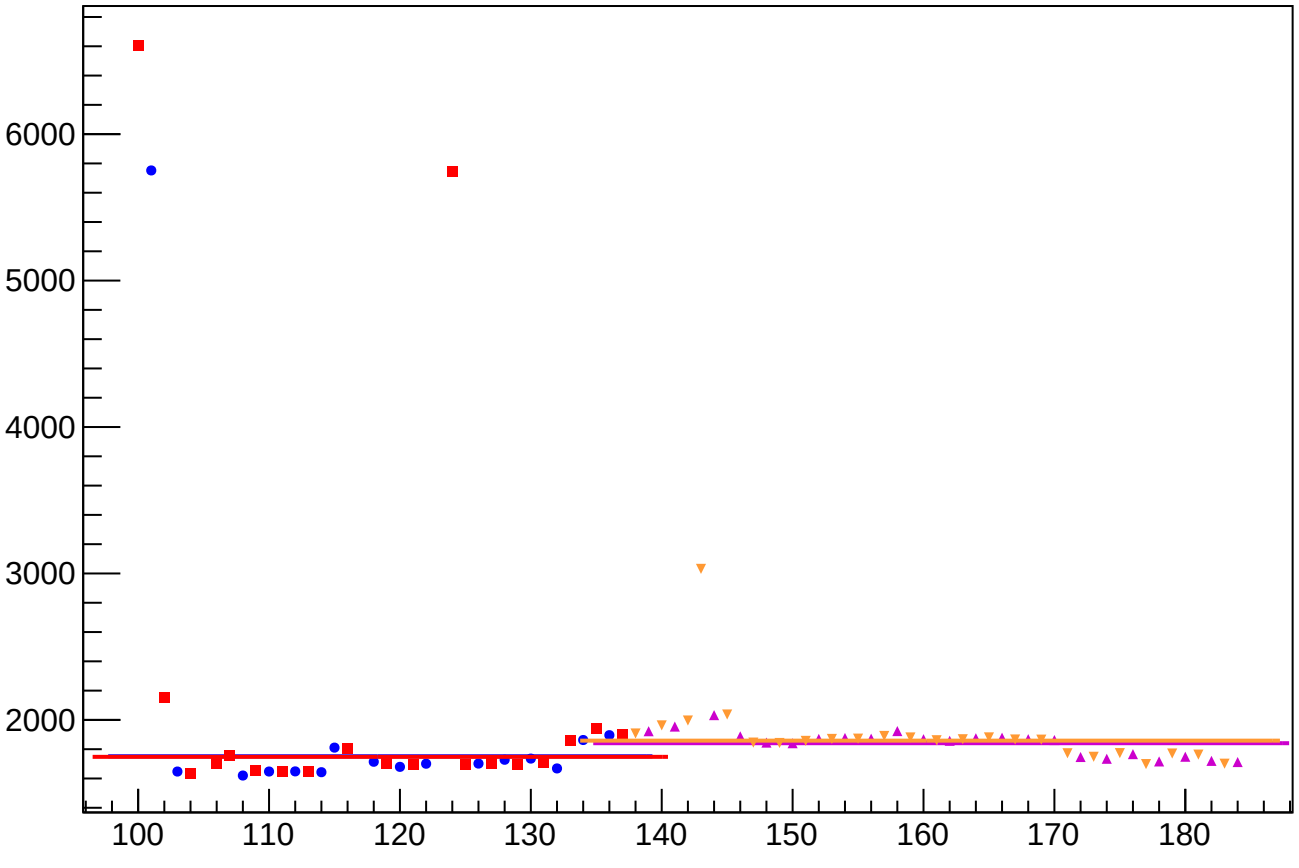
Left: 2100.102+/-303.023 χ^2/NDF: 53.9/46

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2415.336+/-361.694 χ^2/NDF:32.8/38

Out: 1793.470+/-357.799 χ^2/NDF:50.7/42

All: 2101.037+/-254.368 χ^2/NDF: 85.0/81



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: 1840.981+/-0.304 χ^2/NDF:70985.8/22

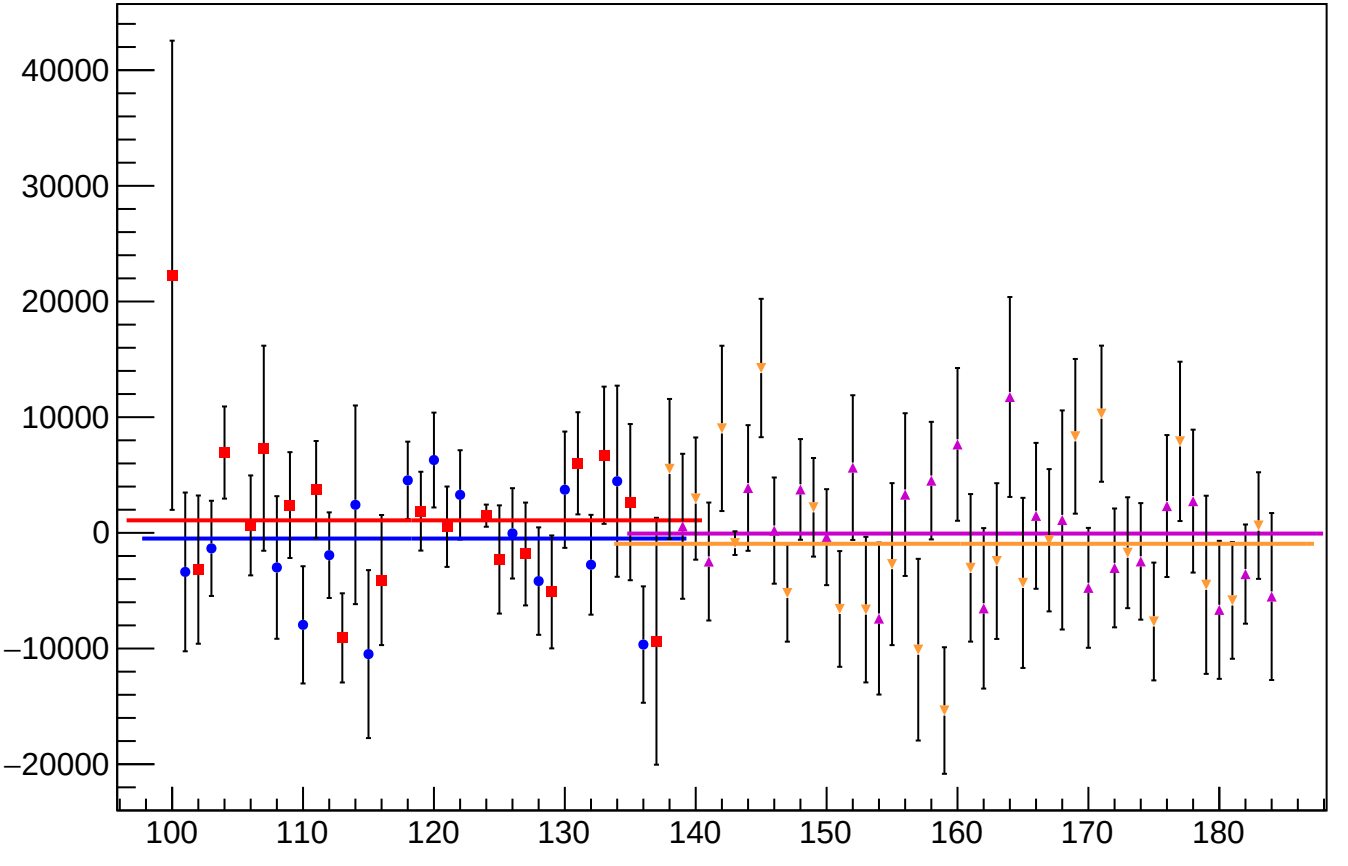
Left: 1849.762+/-0.214 χ^2/NDF: 391490.2/46

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1814.756+/-0.256 χ^2/NDF:766956.0/38

Out: 1825.350+/-0.253 χ^2/NDF:656909.6/42

All: 1820.116+/-0.180 χ^2/NDF: 1424733.7/81



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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: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -676.992+/-646.886 χ^2/NDF: 46.2/46

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -277.636+/-829.672 χ^2/NDF:29.1/38

Out: 126.745+/-532.058 χ^2/NDF:54.8/42

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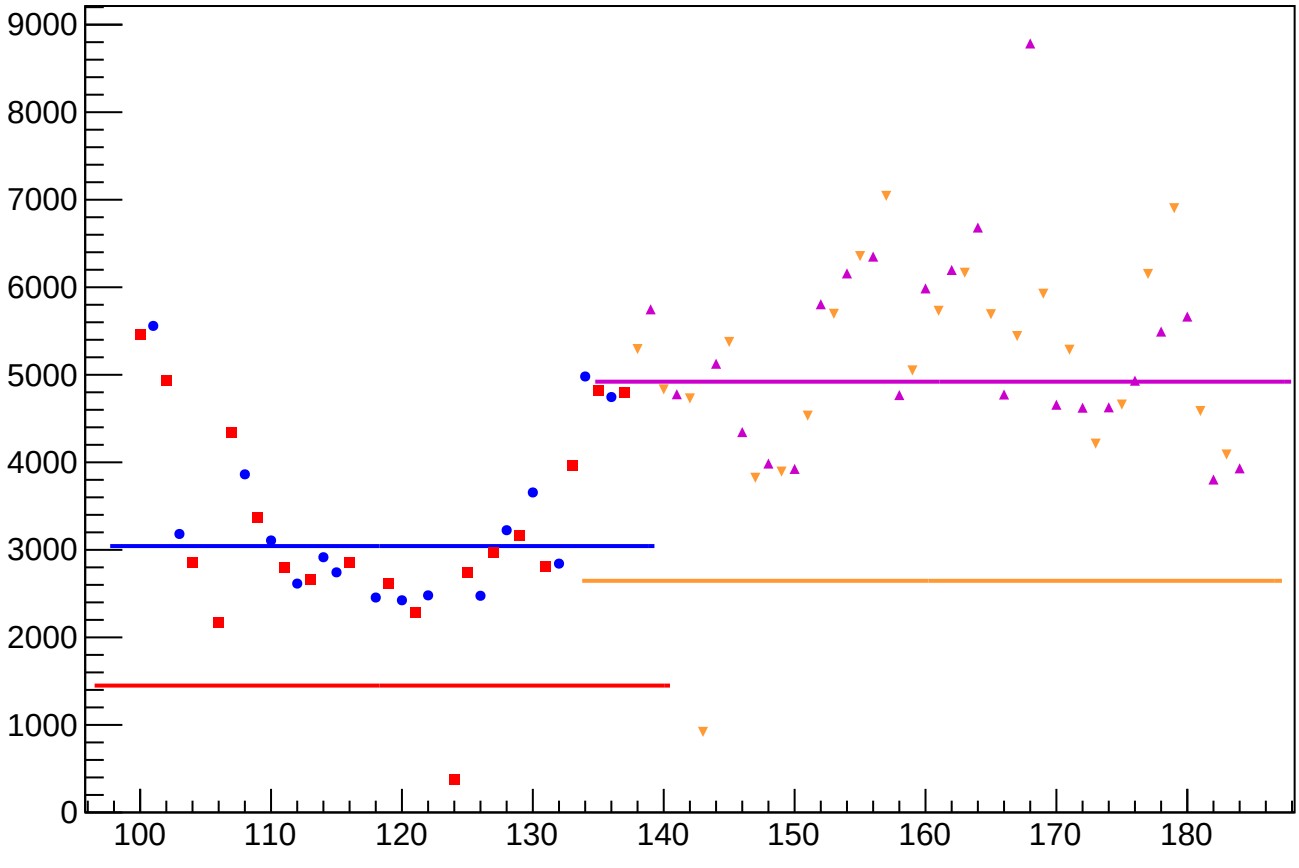


Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

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: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

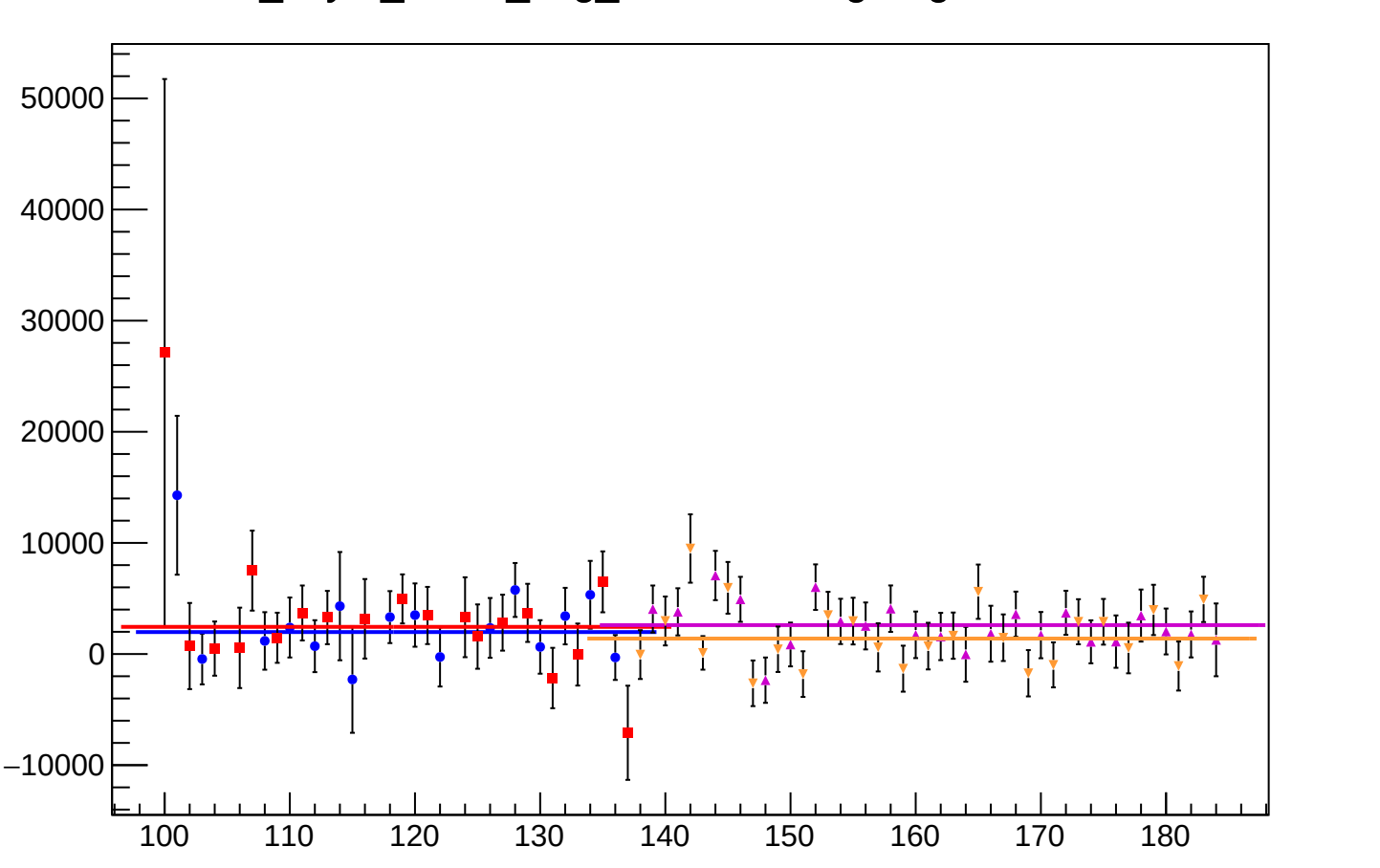
Left: 3337.879+/-0.457 χ^2/NDF: 20954836.6/46

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3982.141+/-0.587 χ^2/NDF:4718731.2/38

Out: 2013.205+/-0.376 χ^2/NDF:23819952.8/42

All: 2586.967+/-0.317 χ^2/NDF: 36520039.1/8



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: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1974.371+/-310.008 χ^2/NDF: 59.7/46

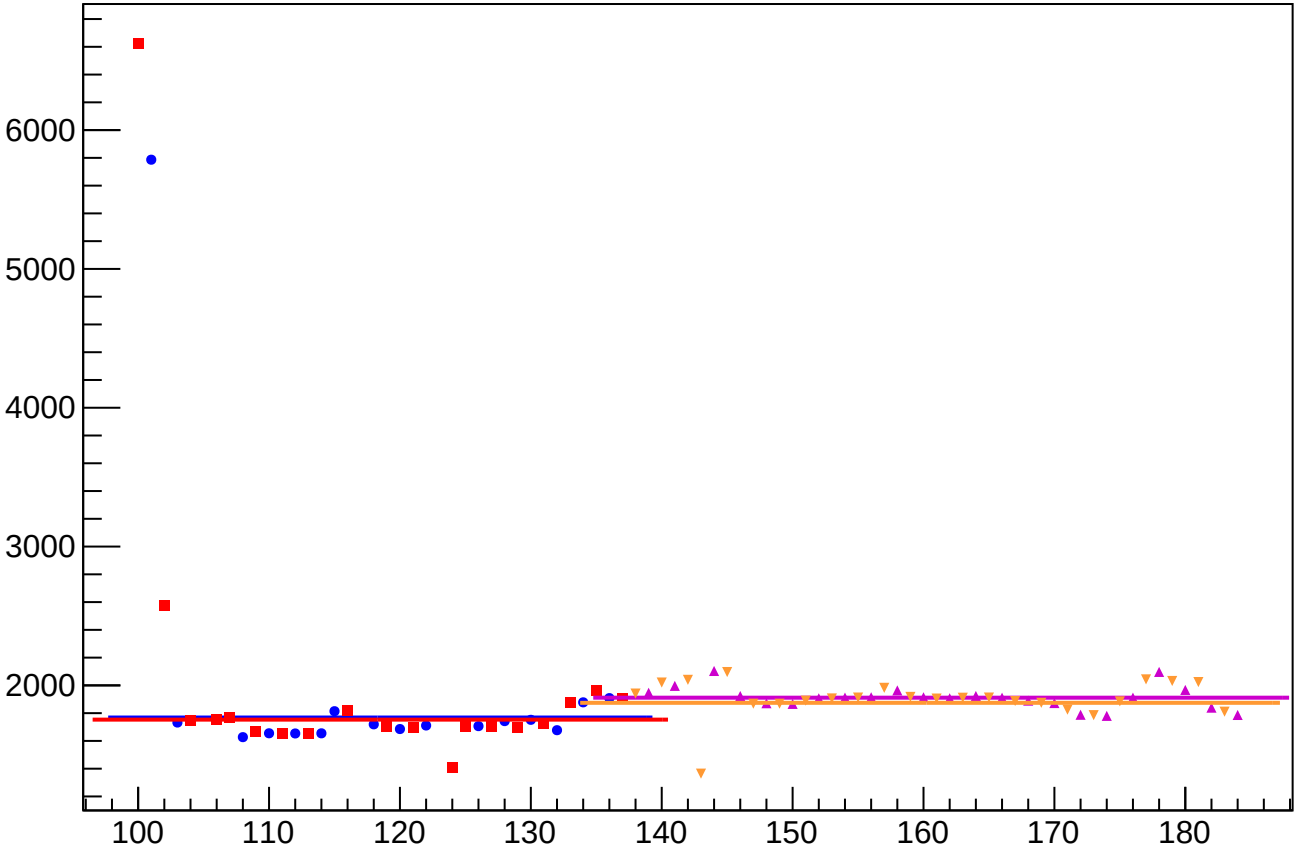
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2411.479+/-372.385 χ^2/NDF:33.1/38

Out: 1706.709+/-360.220 χ^2/NDF:55.1/42

All: 2047.394+/-258.908 χ^2/NDF: 90.0/81

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: 1911.423+/-0.316 χ^2/NDF:59139.8/22

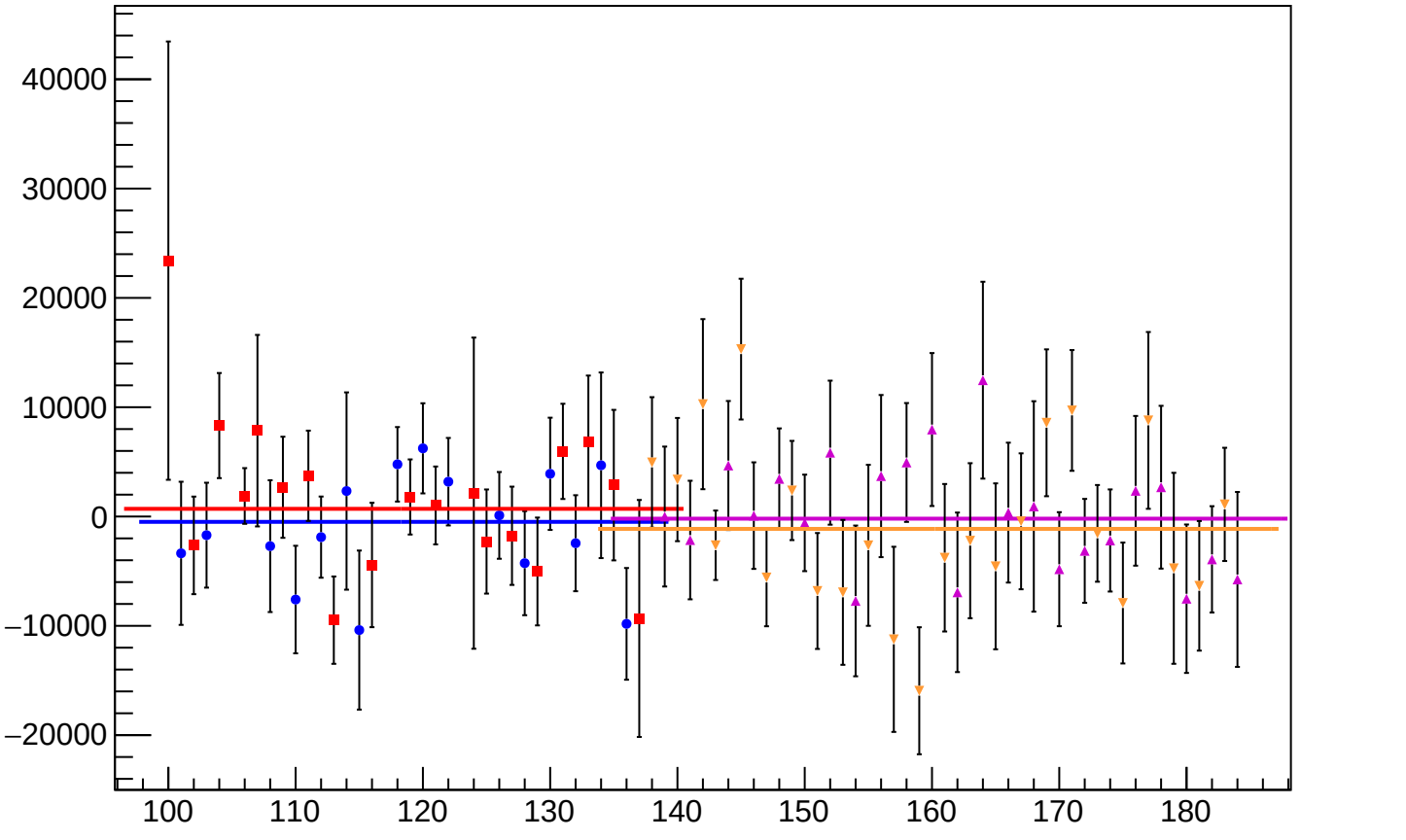
Left: 1892.275+/-0.219 χ^2/NDF: 374710.1/46

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1867.800+/-0.263 χ^2/NDF:788995.8/38

Out: 1838.024+/-0.255 χ^2/NDF:574996.5/42

All: 1852.406+/-0.183 χ^2/NDF: 1370603.6/81



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: -196.917+/-1234.538 χ^2/NDF:12.7/22

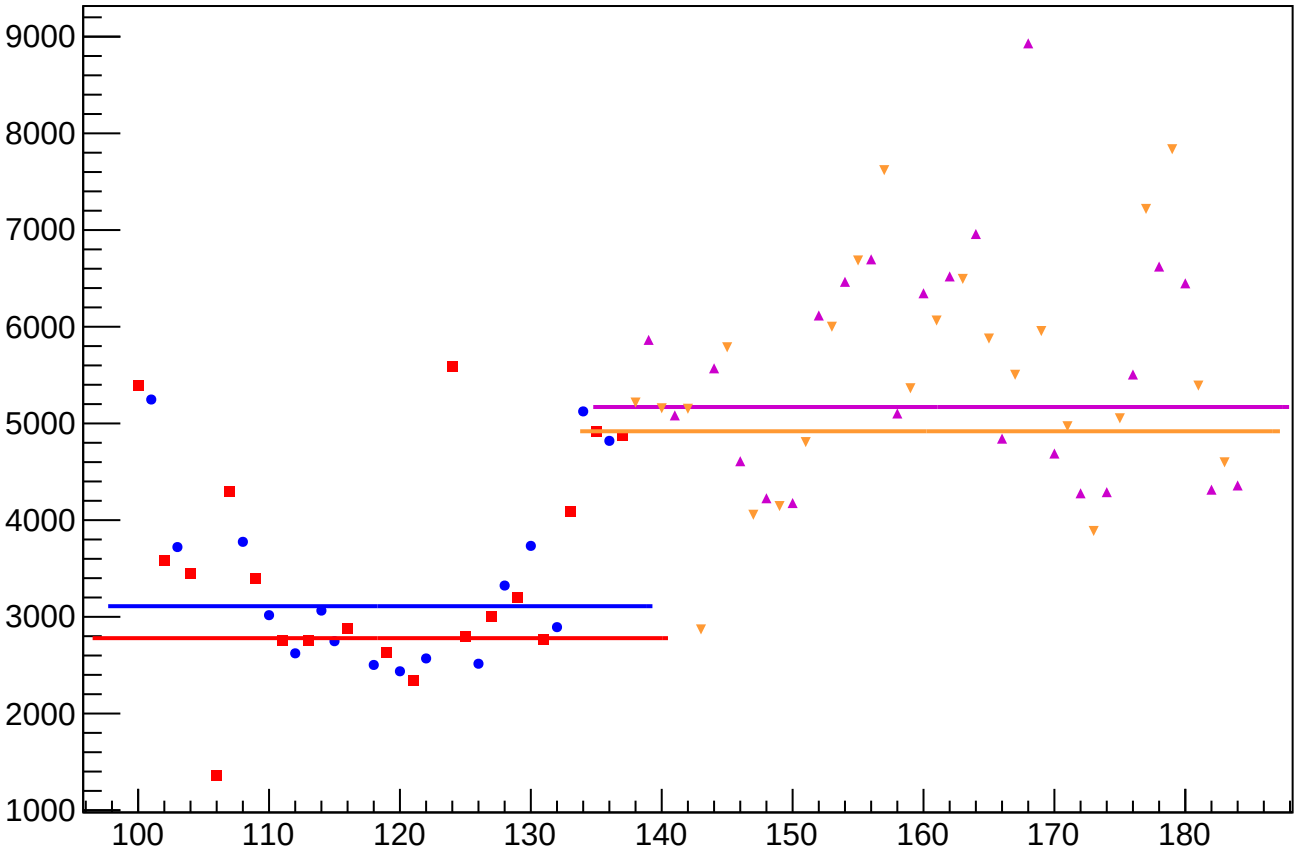
Left: -690.806+/-847.439 χ^2/NDF: 45.5/46

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -346.822+/-859.928 χ^2/NDF:28.5/38

Out: -135.223+/-787.954 χ^2/NDF:52.7/42

All: -231.798+/-580.949 χ^2/NDF: 81.2/81



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: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

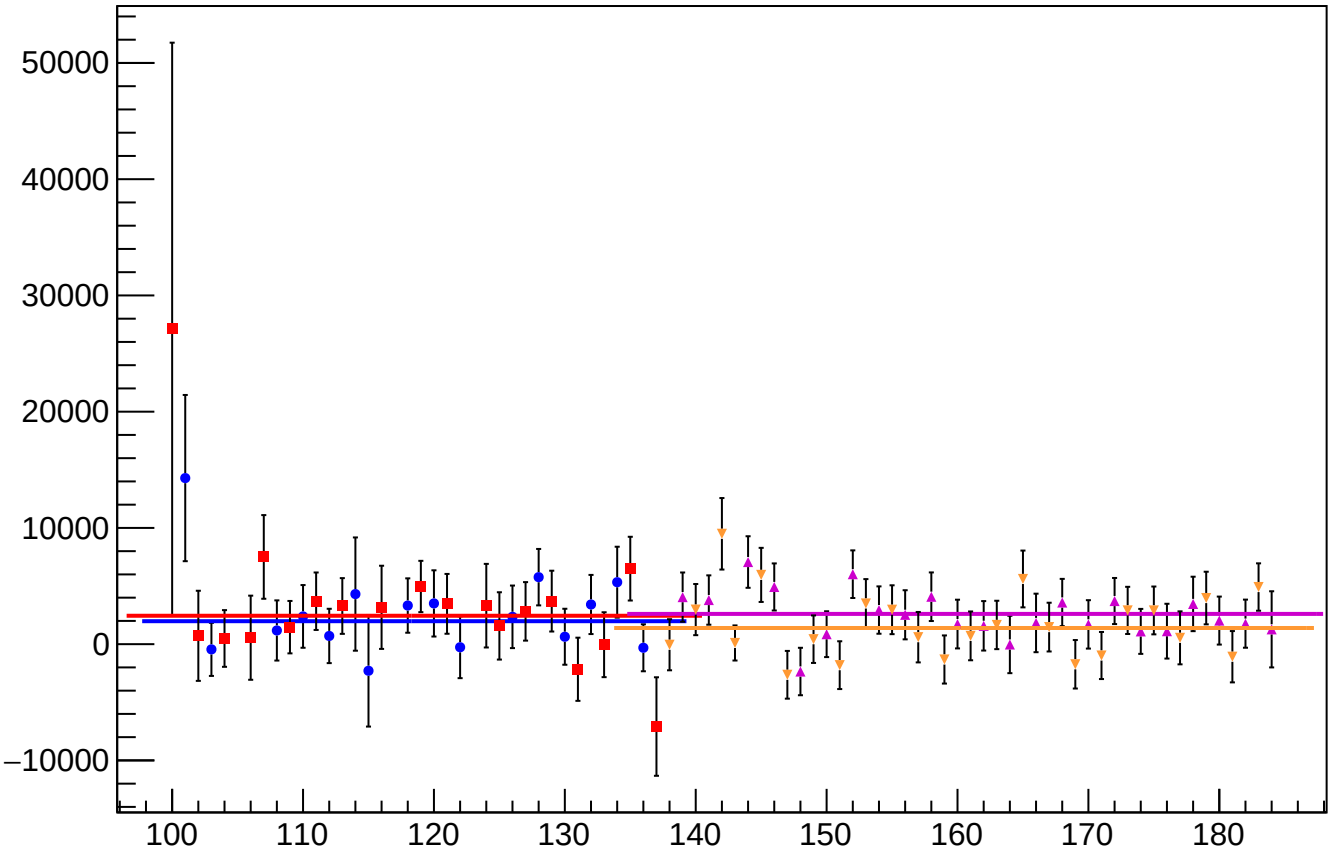
Left: 5037.304+/-0.599 χ^2/NDF: 3557313.2/46

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 4109.580+/-0.608 χ^2/NDF:5098494.7/38

Out: 3757.695+/-0.557 χ^2/NDF:7171977.9/42

All: 3918.298+/-0.411 χ^2/NDF: 12452519.0/8



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1390.659+/-430.541 χ^2/NDF:35.9/23

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

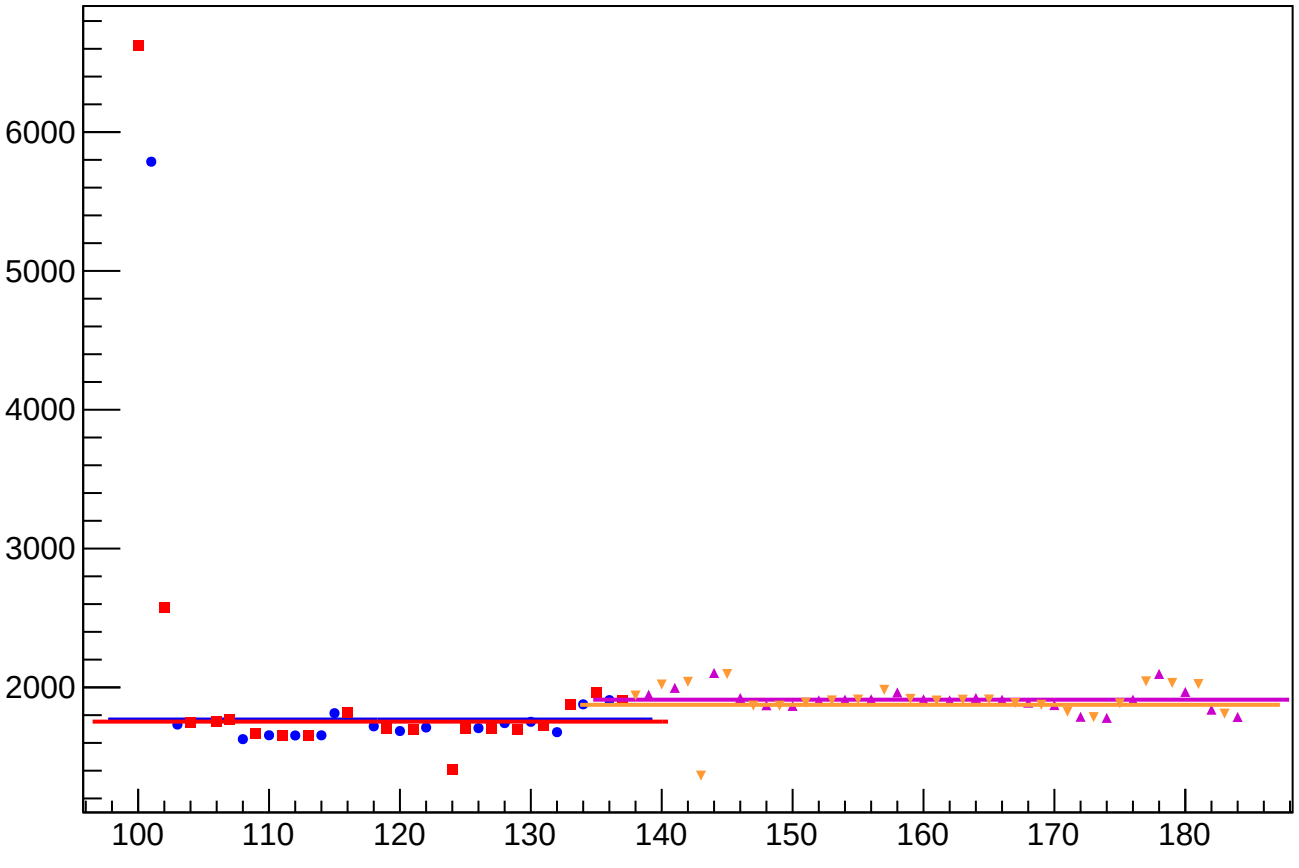
Left: 1974.369+/-310.008 χ^2/NDF: 59.7/46

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2411.478+/-372.386 χ^2/NDF:33.1/38

Out: 1706.708+/-360.220 χ^2/NDF:55.1/42

All: 2047.393+/-258.908 χ^2/NDF: 90.0/81



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: 1911.425+/-0.316 χ^2/NDF:59142.0/22

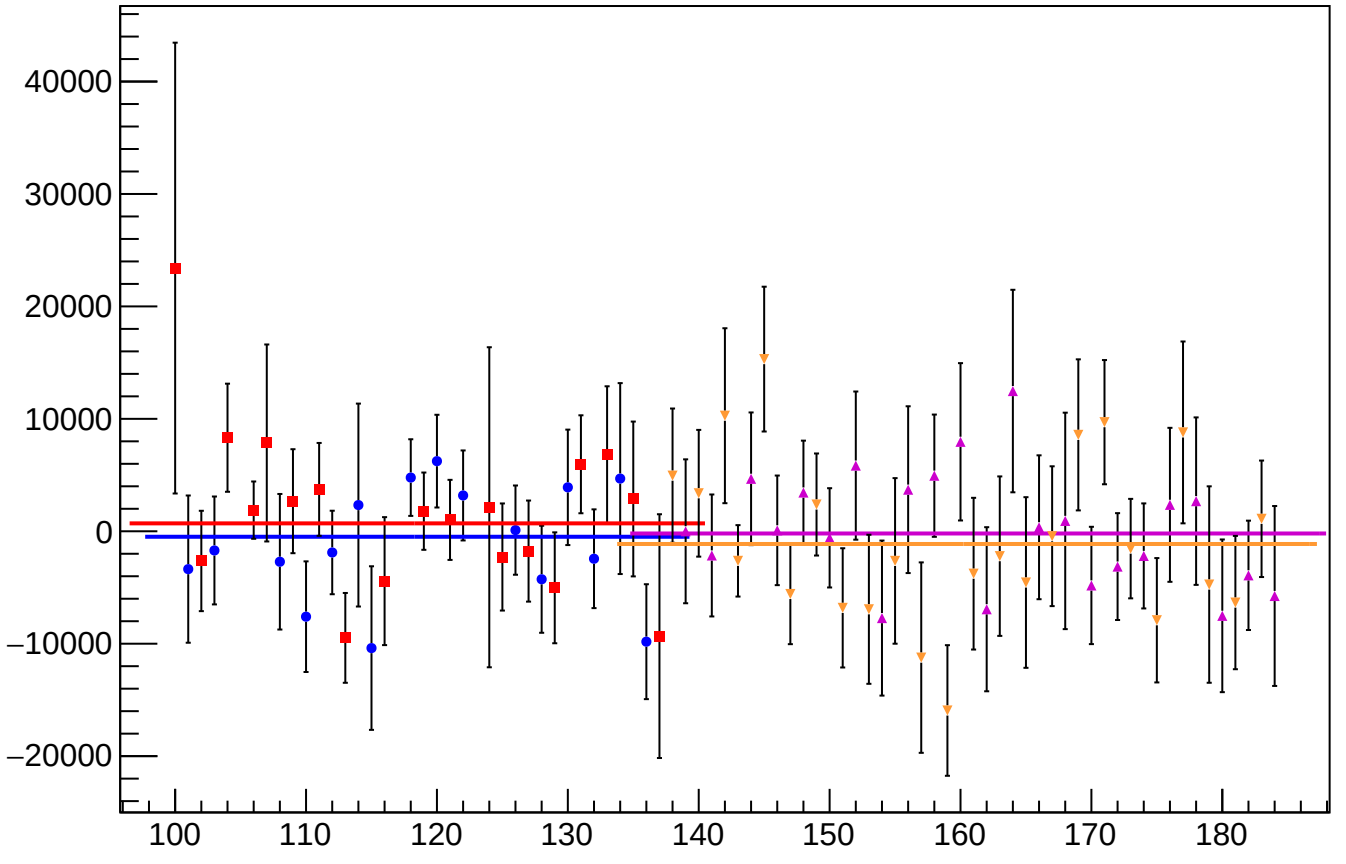
Left: 1892.276+/-0.219 χ^2/NDF: 374715.9/46

Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1867.801+/-0.263 χ^2/NDF:788999.0/38

Out: 1838.024+/-0.255 χ^2/NDF:575001.0/42

All: 1852.406+/-0.183 χ^2/NDF: 1370611.2/81



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: -196.918+/-1234.540 χ^2/NDF:12.7/22

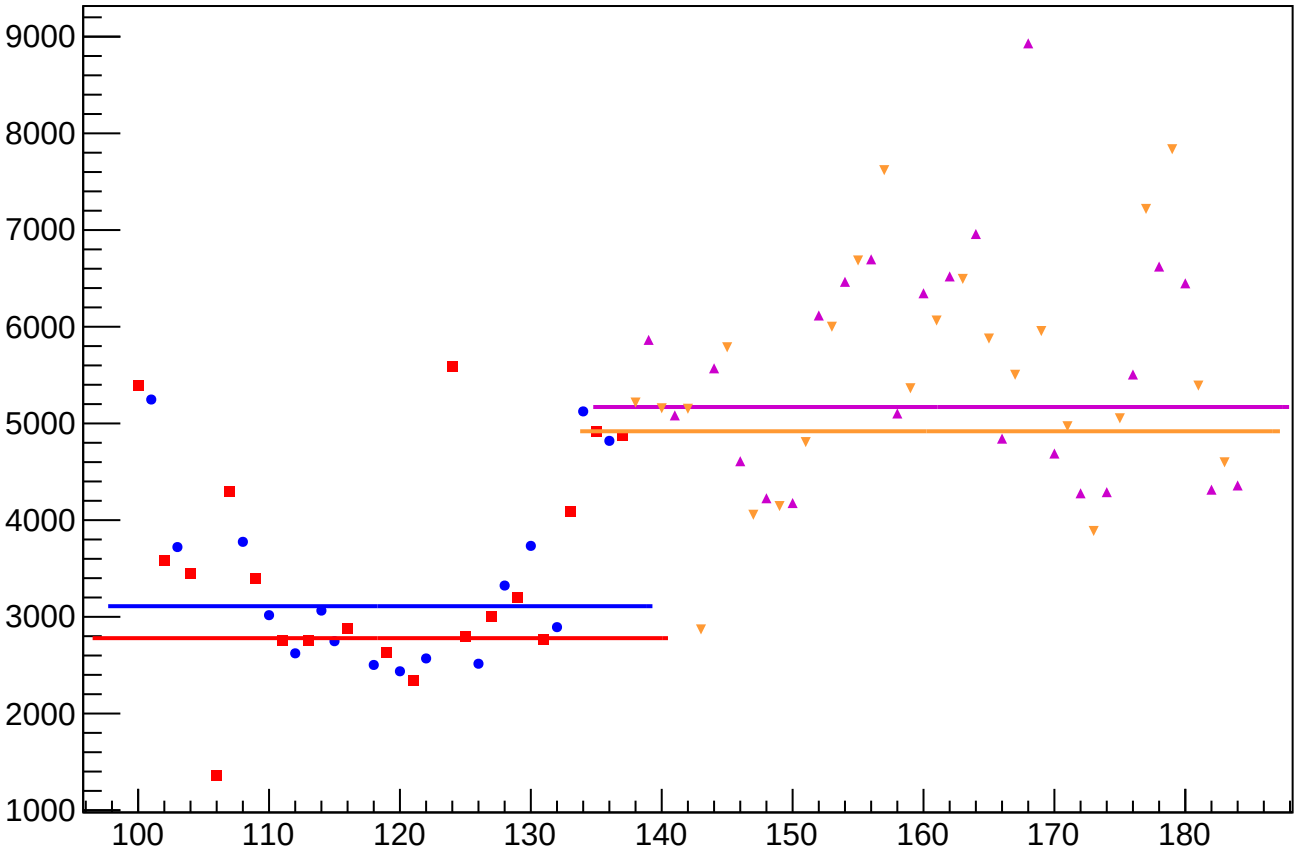
Left: -690.810+/-847.440 χ^2/NDF: 45.5/46

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -346.820+/-859.927 χ^2/NDF:28.5/38

Out: -135.220+/-787.953 χ^2/NDF:52.7/42

All: -231.795+/-580.948 χ^2/NDF: 81.2/81



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: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5037.311+/-0.599 χ^2/NDF: 3557322.5/46

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 4109.574+/-0.608 χ^2/NDF:5098563.5/38

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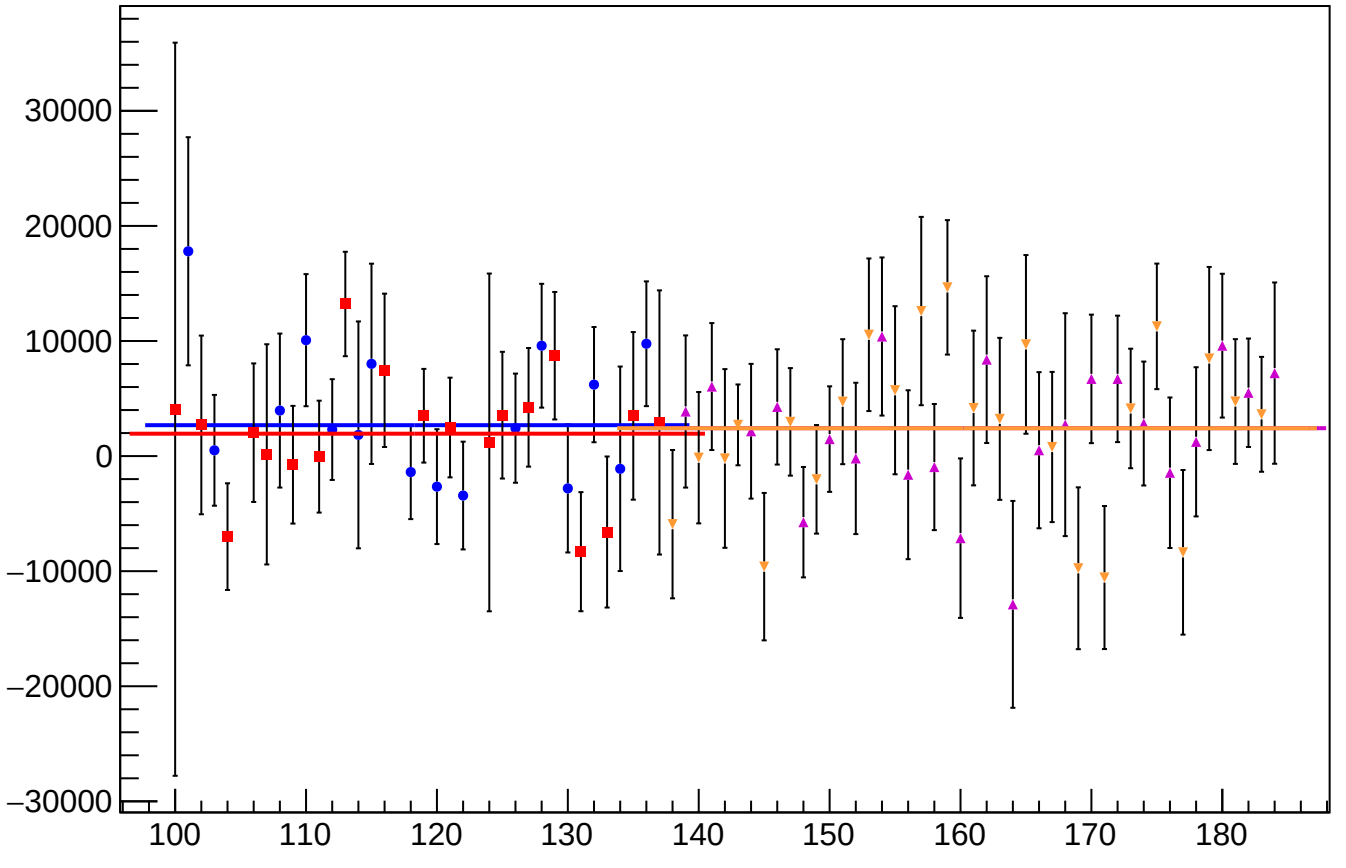
All: 3918.290+/-0.411 χ^2/NDF: 12452690.7/8



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: 2423.016+/-1259.653 χ^2/NDF:15.0/22

Left: 2420.625+/-868.394 χ^2/NDF: 43.5/46

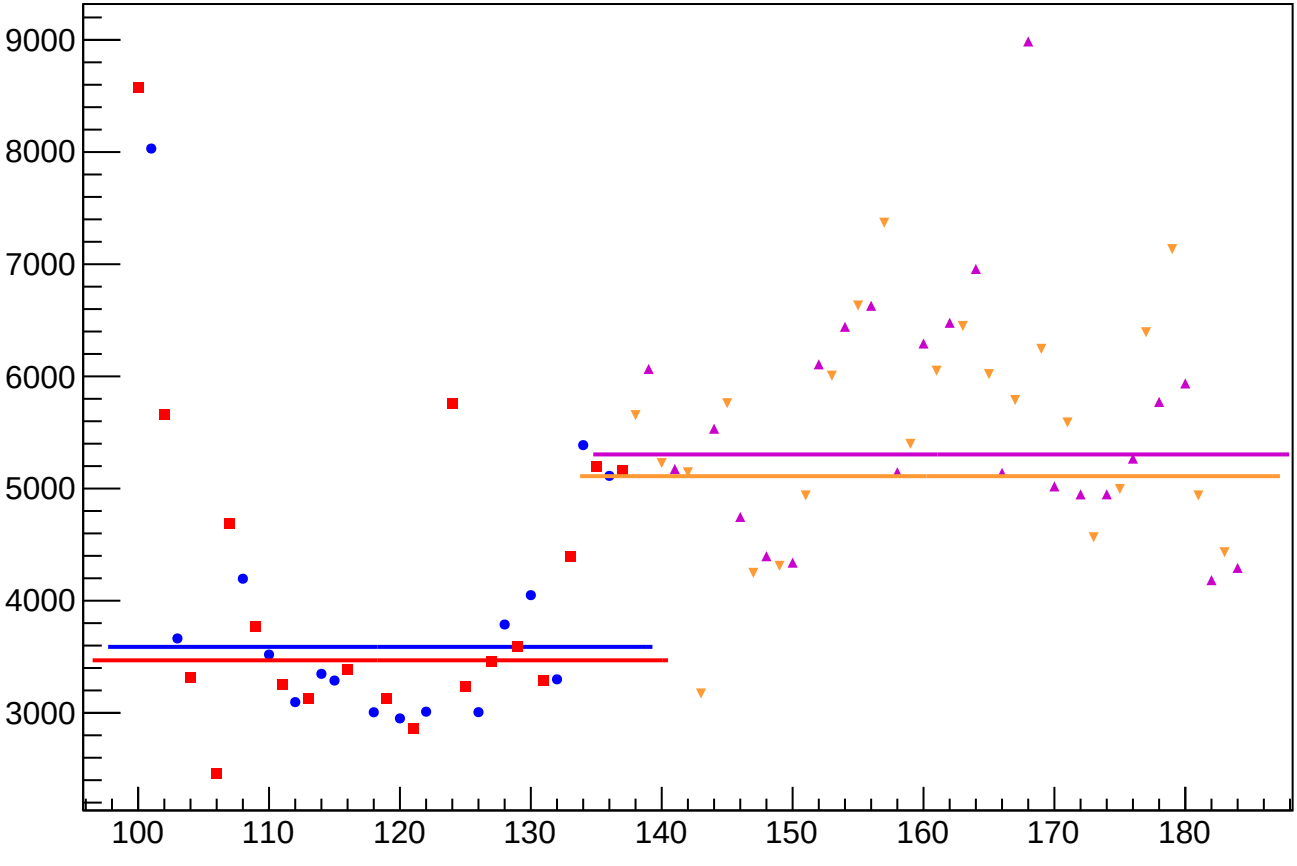
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2542.286+/-930.323 χ^2/NDF:28.5/38

Out: 2207.060+/-891.354 χ^2/NDF:47.2/42

All: 2367.505+/-643.618 χ^2/NDF: 75.8/81

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: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

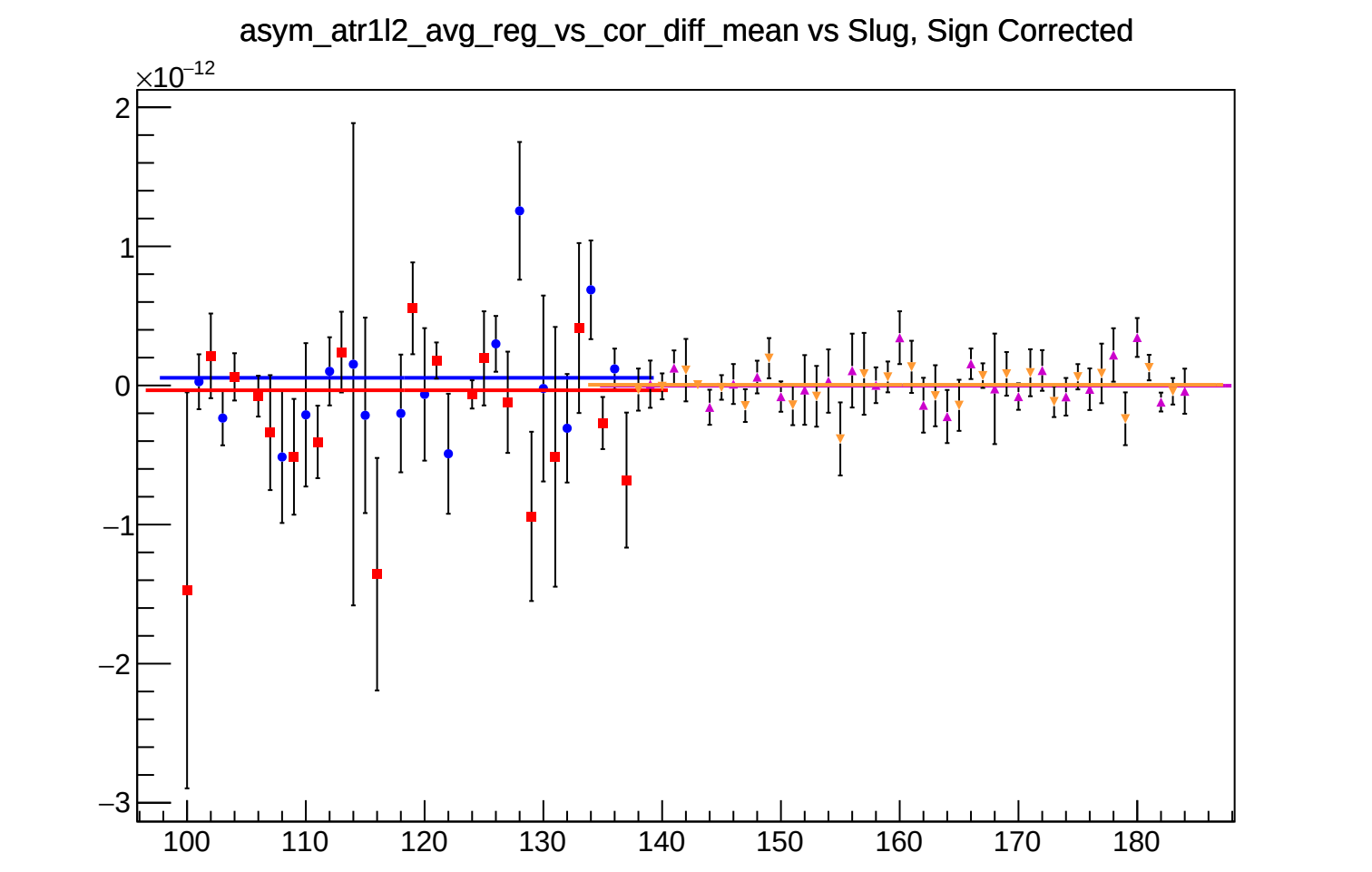
Left: 5202.433+/-0.614 χ^2/NDF: 2575841.4/46

Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4524.303+/-0.658 χ^2/NDF:3549748.6/38

Out: 4363.785+/-0.626 χ^2/NDF:3905062.2/42

All: 4440.059+/-0.453 χ^2/NDF: 7486059.1/81



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

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

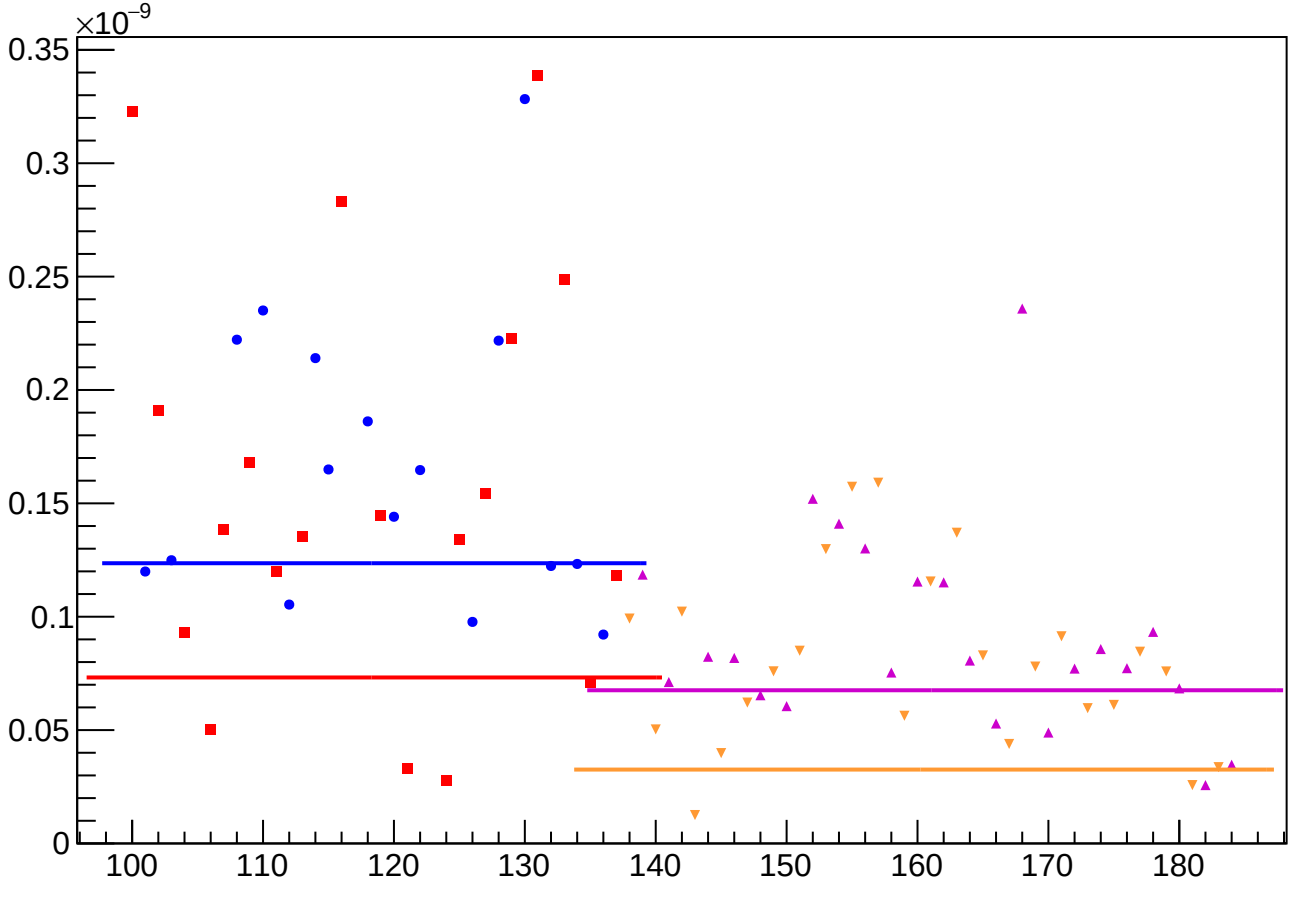
Left: 0.000+/-0.000 χ^2/NDF: 38.1/46

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:41.2/38

Out: 0.000+/-0.000 χ^2/NDF:37.9/42

All: 0.000+/-0.000 χ^2/NDF: 79.1/81



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:2448729.8/22

Left: 0.000+/-0.000 χ^2/NDF: 10779617.3/46

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:4129874.4/38

Out: 0.000+/-0.000 χ^2/NDF:9364711.3/42

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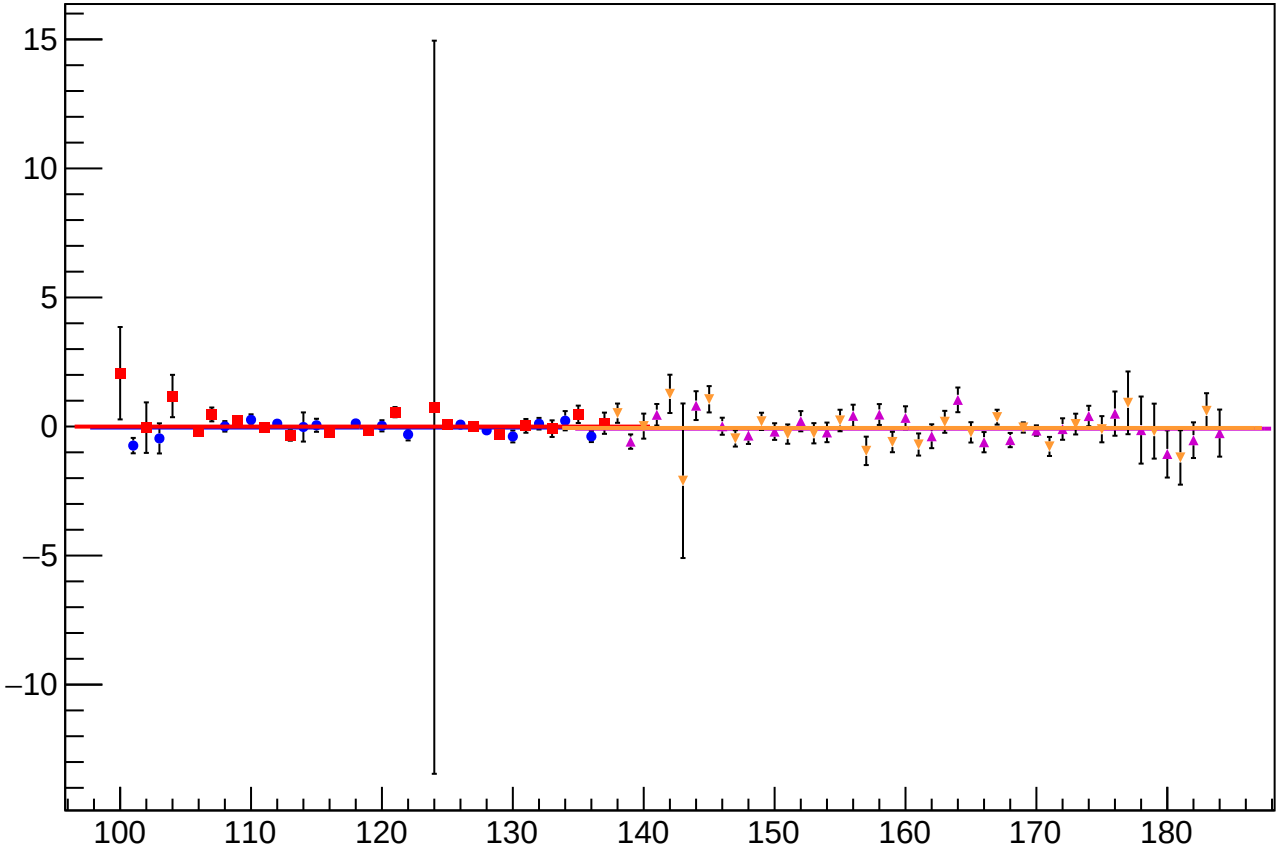
asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.084+/-0.081 χ^2/NDF:27.0/22

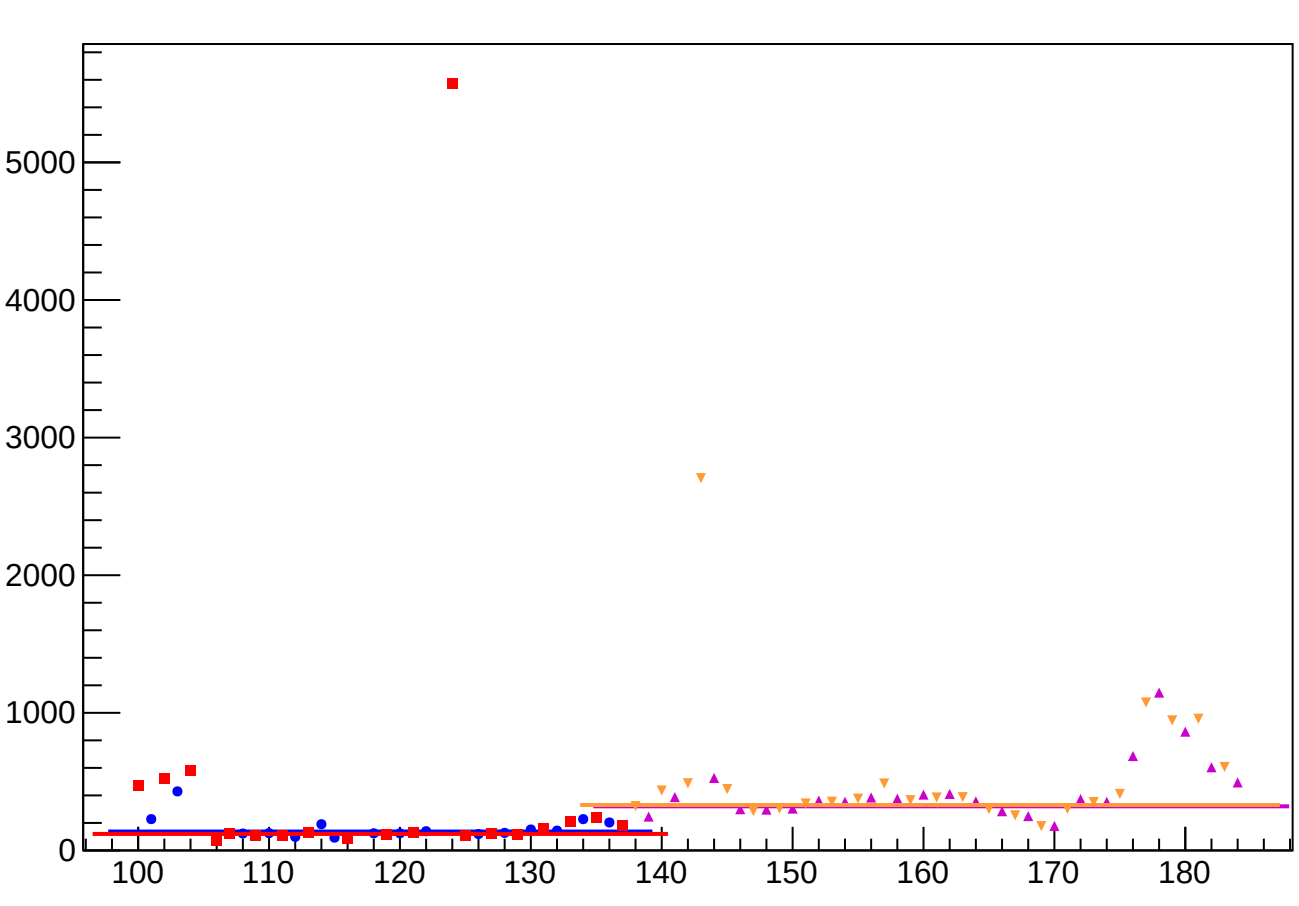
Left: -0.070+/-0.058 χ^2/NDF: 57.2/46

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.054+/-0.046 χ^2/NDF:45.2/38

Out: -0.017+/-0.044 χ^2/NDF:59.2/42

All: -0.035+/-0.032 χ^2/NDF: 104.6/81



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: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 325.364+/-0.041 χ^2/NDF: 10001504.1/46

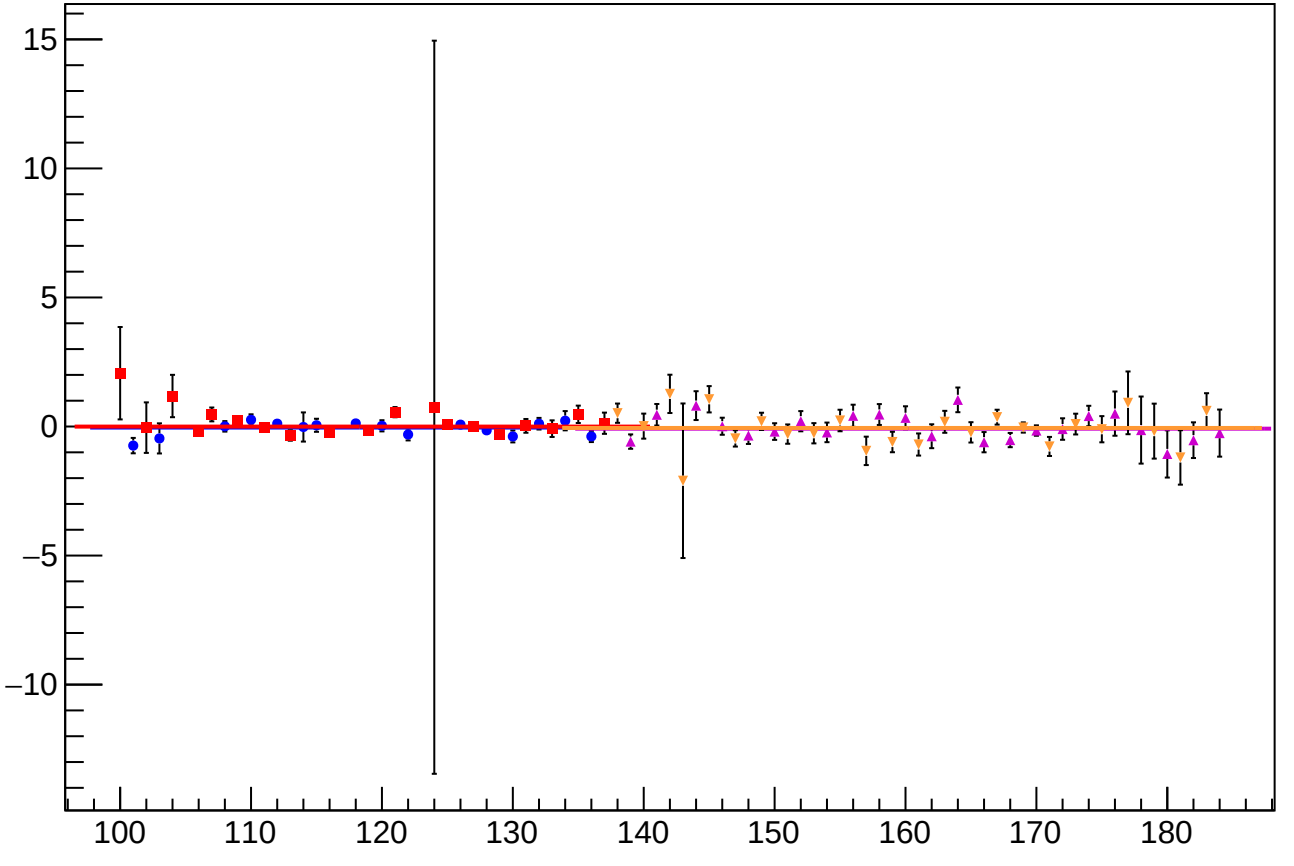
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 196.292+/-0.033 χ^2/NDF:12447072.3/38

Out: 176.612+/-0.031 χ^2/NDF:17059931.3/42

All: 185.913+/-0.022 χ^2/NDF: 29700145.3/81

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: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.070+/-0.058 χ^2/NDF: 57.2/46

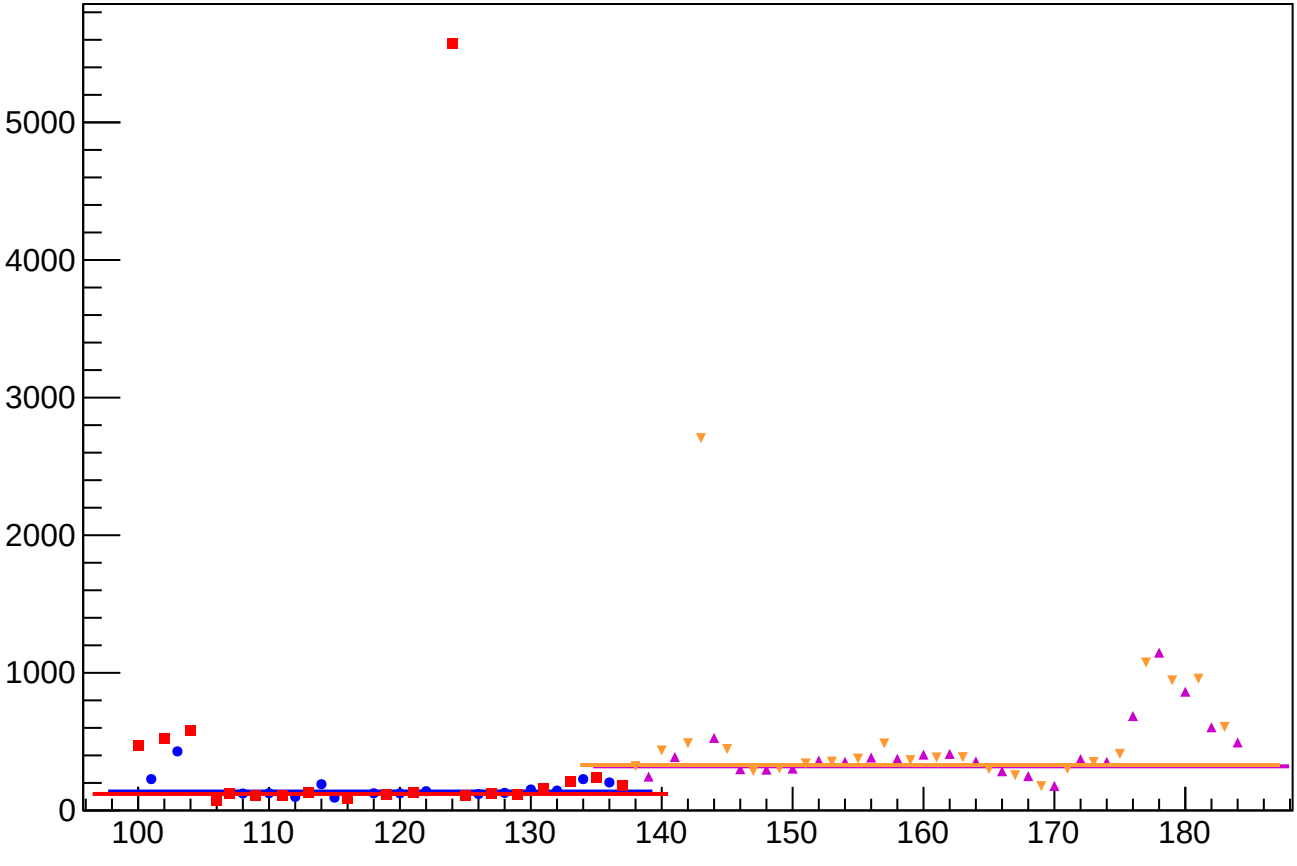
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.054+/-0.046 χ^2/NDF:45.2/38

Out: -0.017+/-0.044 χ^2/NDF:59.2/42

All: -0.035+/-0.032 χ^2/NDF: 104.6/81

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: 320.746+/-0.057 χ^2/NDF:4248172.2/22

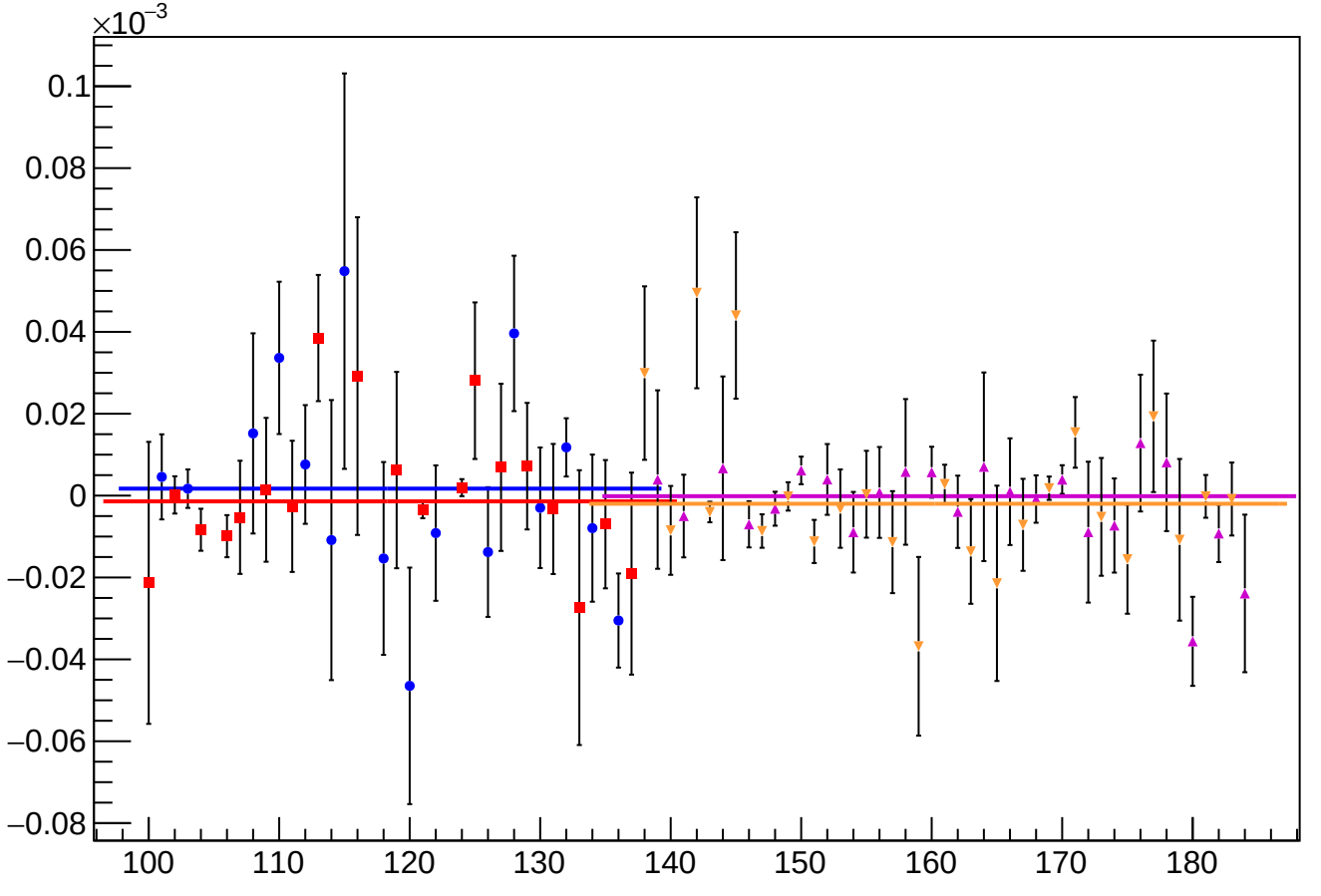
Left: 325.364+/-0.041 χ^2/NDF: 10001504.1/46

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 196.292+/-0.033 χ^2/NDF:12447072.3/38

Out: 176.612+/-0.031 χ^2/NDF:17059931.3/42

All: 185.913+/-0.022 χ^2/NDF: 29700145.3/81



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:24.9/22

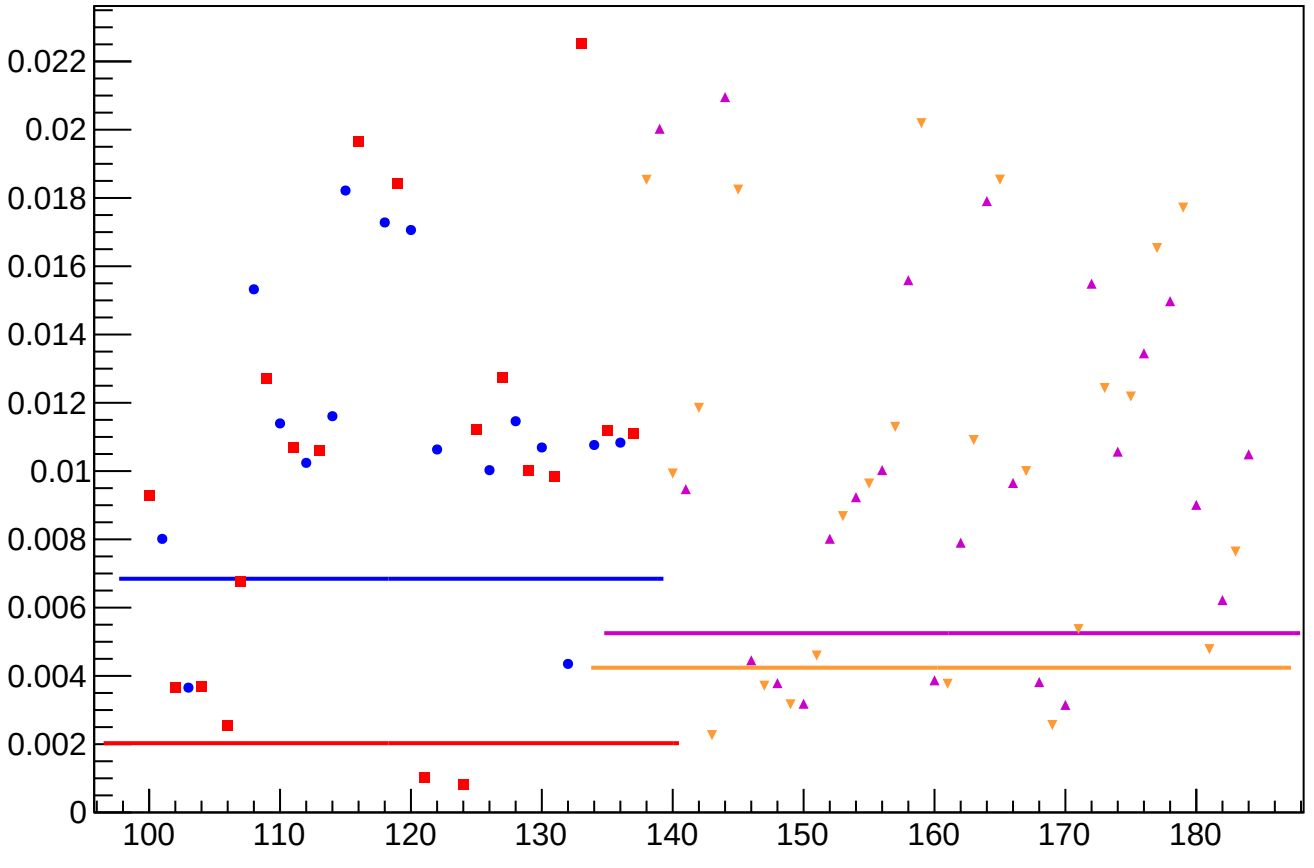
Left: -0.000+/-0.000 χ^2/NDF: 59.6/46

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:49.0/38

Out: -0.000+/-0.000 χ^2/NDF:54.2/42

All: -0.000+/-0.000 χ^2/NDF: 104.6/81



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:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 22830664.5/46

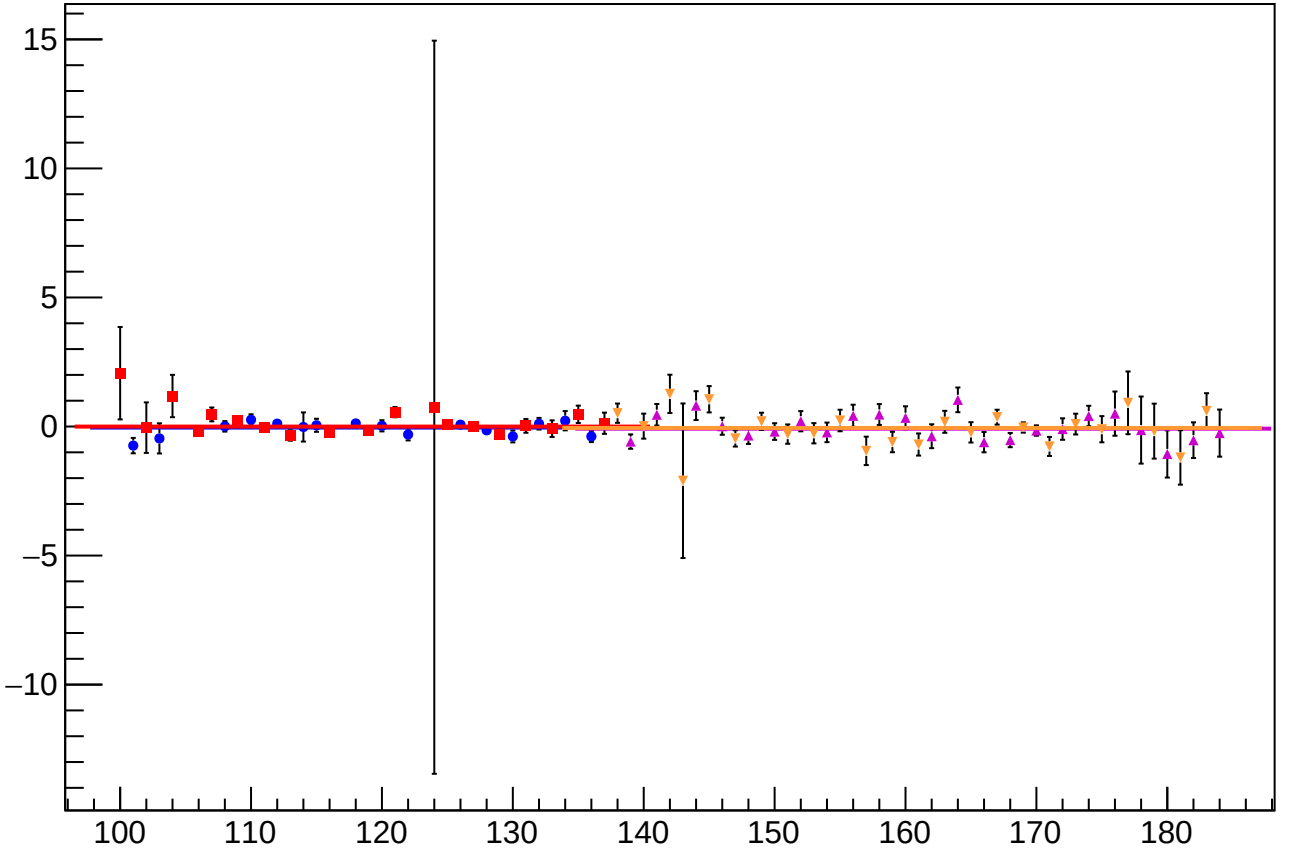
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.006+/-0.000 χ^2/NDF:13218842.1/38

Out: 0.003+/-0.000 χ^2/NDF:24895164.1/42

All: 0.004+/-0.000 χ^2/NDF: 42676043.7/81

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: -0.084+/-0.081 χ^2/NDF:27.0/22

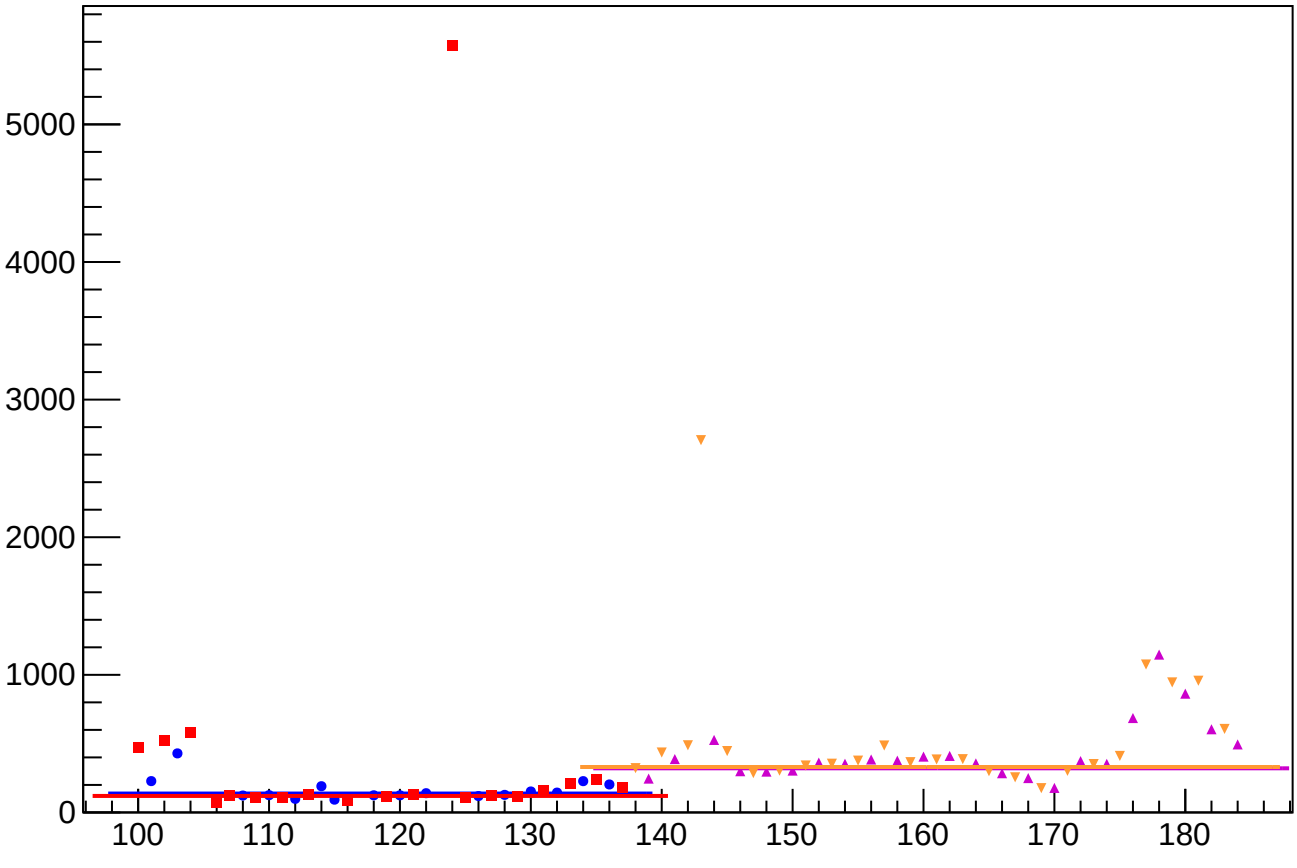
Left: -0.070+/-0.058 χ^2/NDF: 57.2/46

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.054+/-0.046 χ^2/NDF:45.2/38

Out: -0.017+/-0.044 χ^2/NDF:59.2/42

All: -0.035+/-0.032 χ^2/NDF: 104.6/81



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: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 325.367+/-0.041 χ^2/NDF: 10001555.3/46

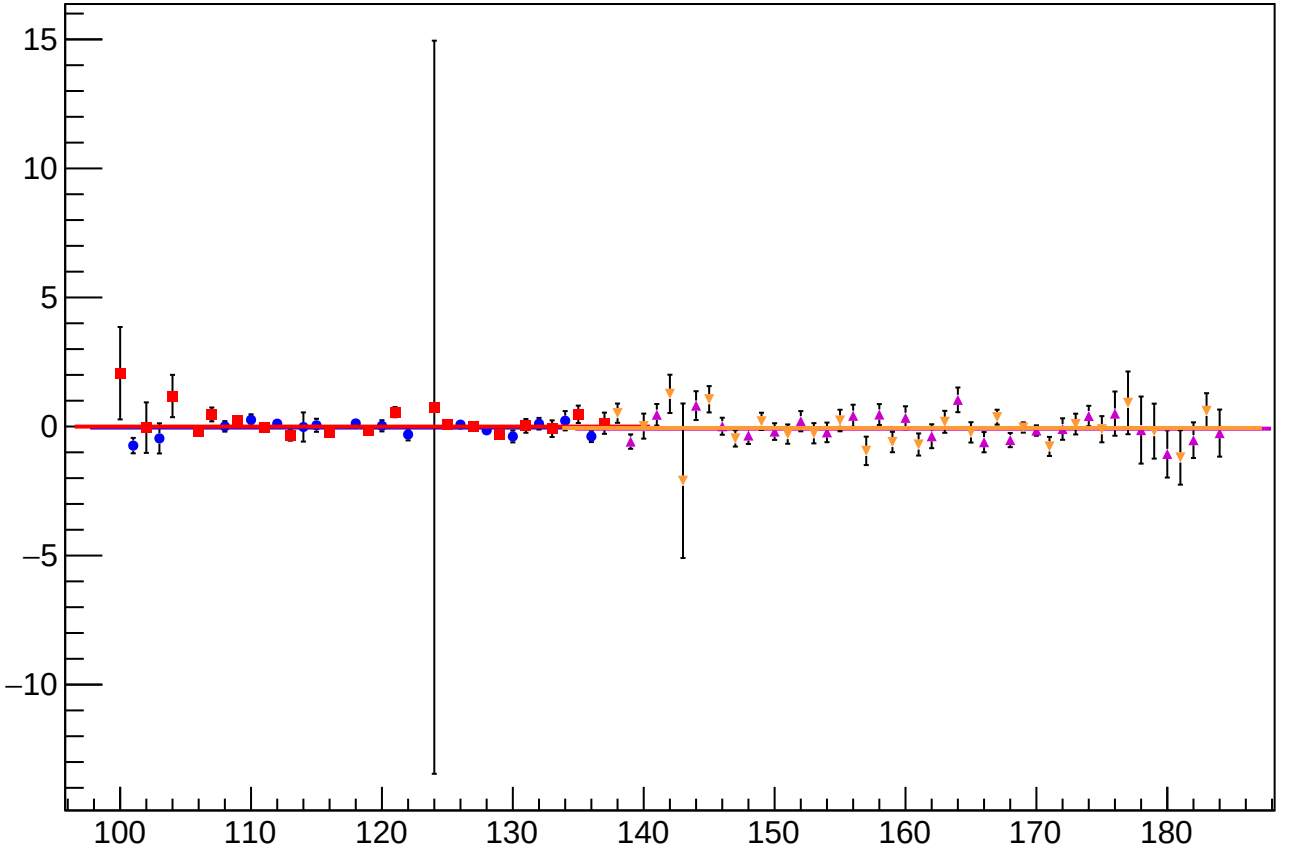
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 196.293+/-0.033 χ^2/NDF:12447050.6/38

Out: 176.612+/-0.031 χ^2/NDF:17059998.1/42

All: 185.914+/-0.022 χ^2/NDF: 29700215.8/81

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: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.070+/-0.058 χ^2/NDF: 57.2/46

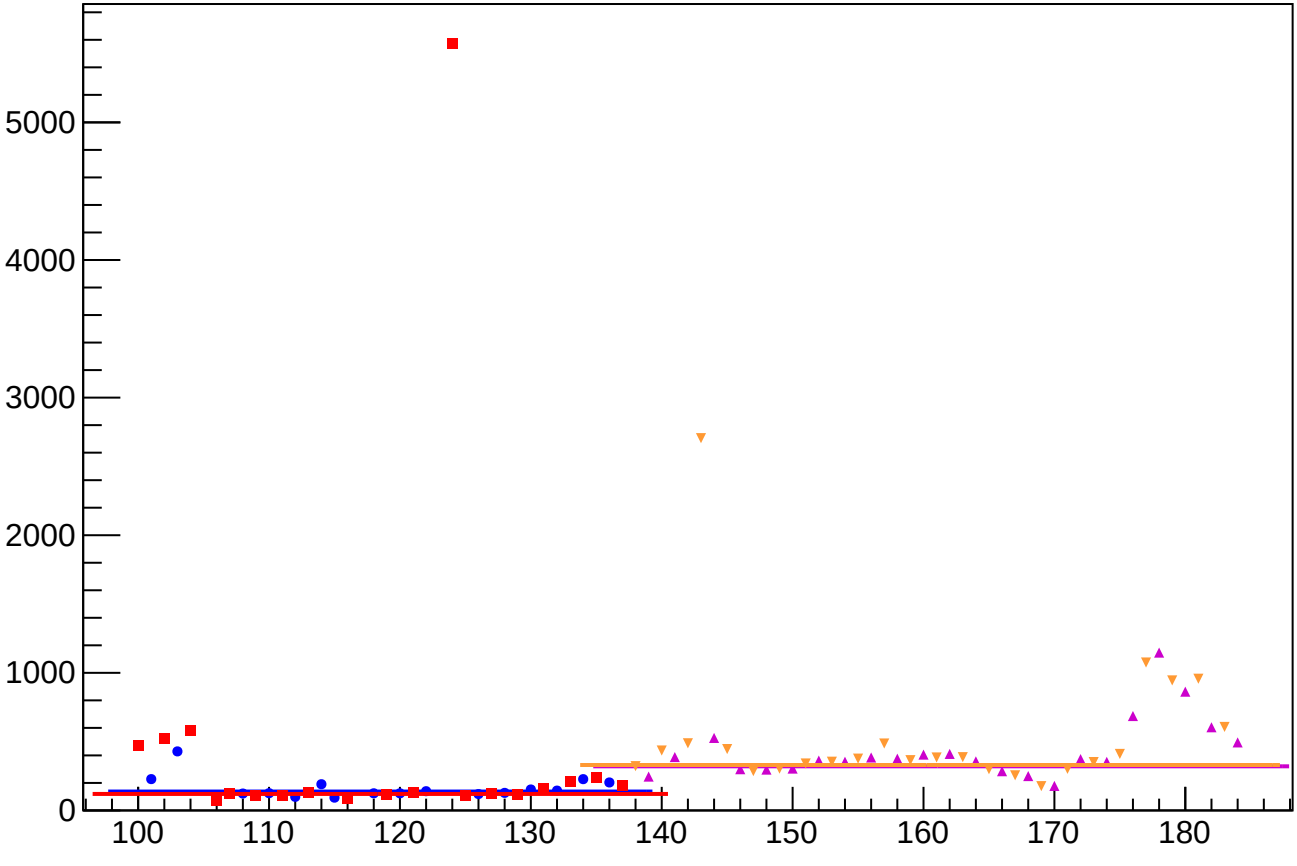
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.054+/-0.046 χ^2/NDF:45.2/38

Out: -0.017+/-0.044 χ^2/NDF:59.2/42

All: -0.035+/-0.032 χ^2/NDF: 104.6/81

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: 320.749+/-0.057 χ^2/NDF:4248171.3/22

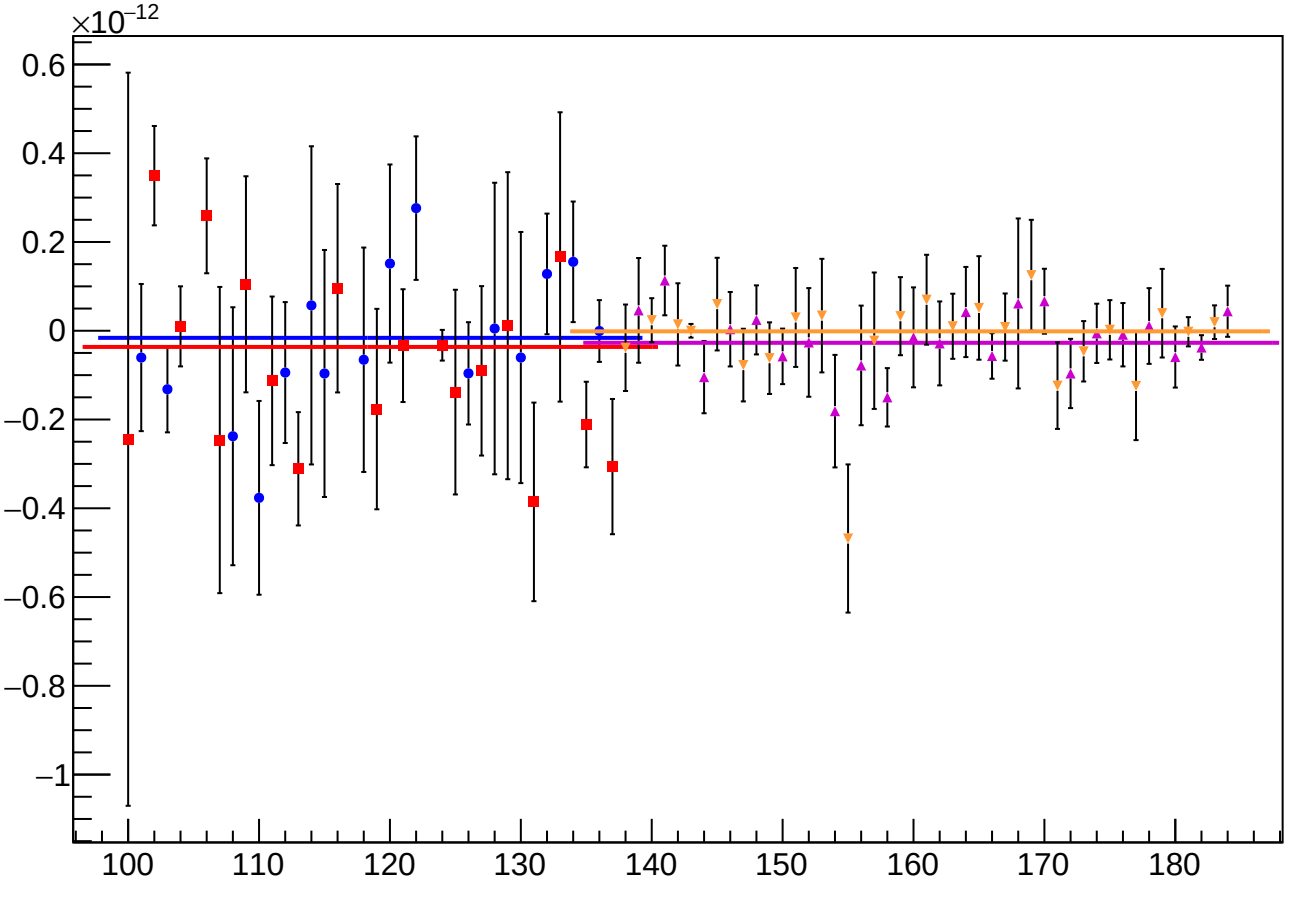
Left: 325.367+/-0.041 χ^2/NDF: 10001555.3/46

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 196.293+/-0.033 χ^2/NDF:12447050.6/38

Out: 176.612+/-0.031 χ^2/NDF:17059998.1/42

All: 185.914+/-0.022 χ^2/NDF: 29700215.8/81



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:16.1/22

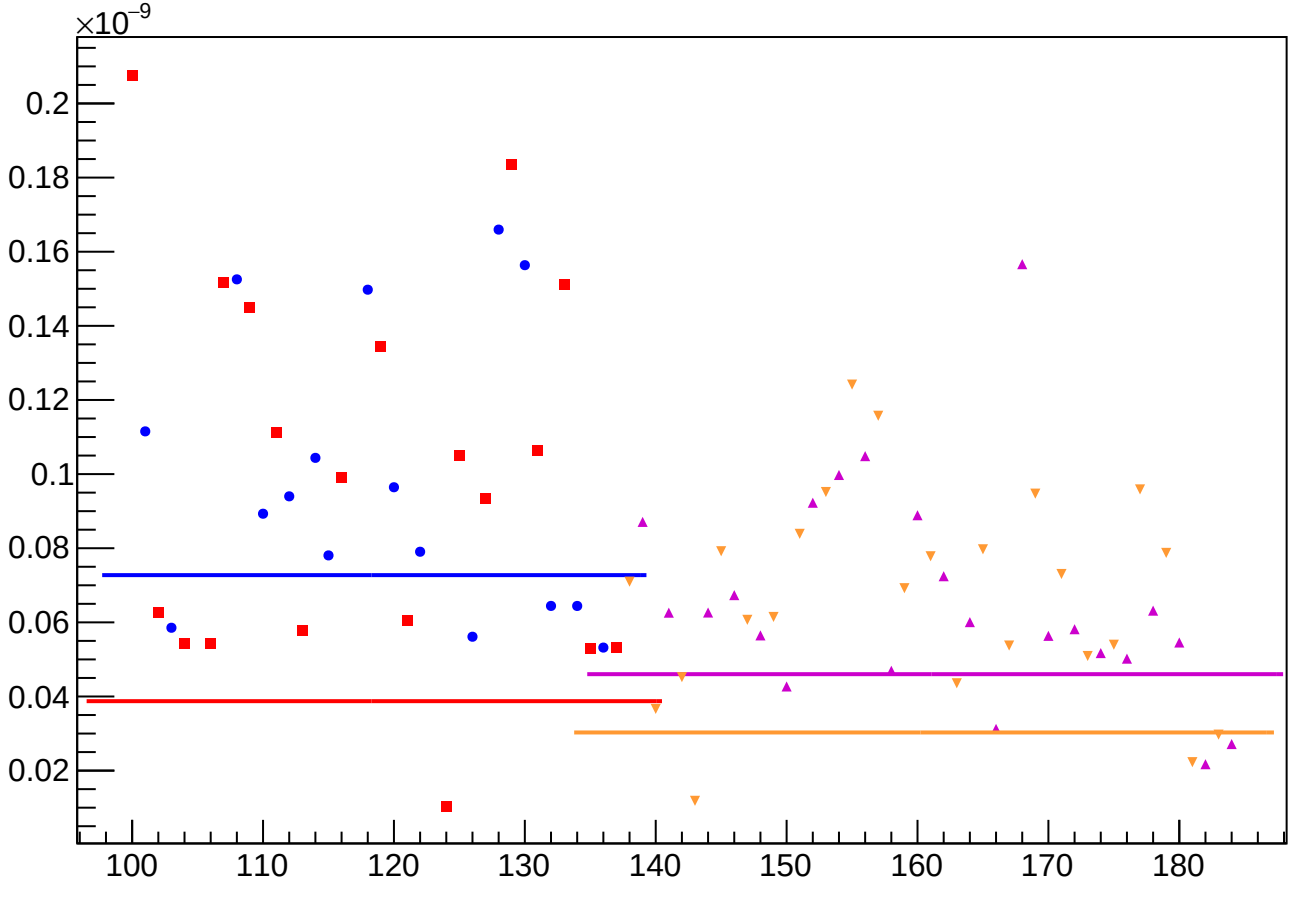
Left: -0.000+/-0.000 χ^2/NDF: 33.8/46

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

In: -0.000+/-0.000 χ^2/NDF:28.5/38

Out: -0.000+/-0.000 χ^2/NDF:50.4/42

All: -0.000+/-0.000 χ^2/NDF: 80.2/81



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10496250.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

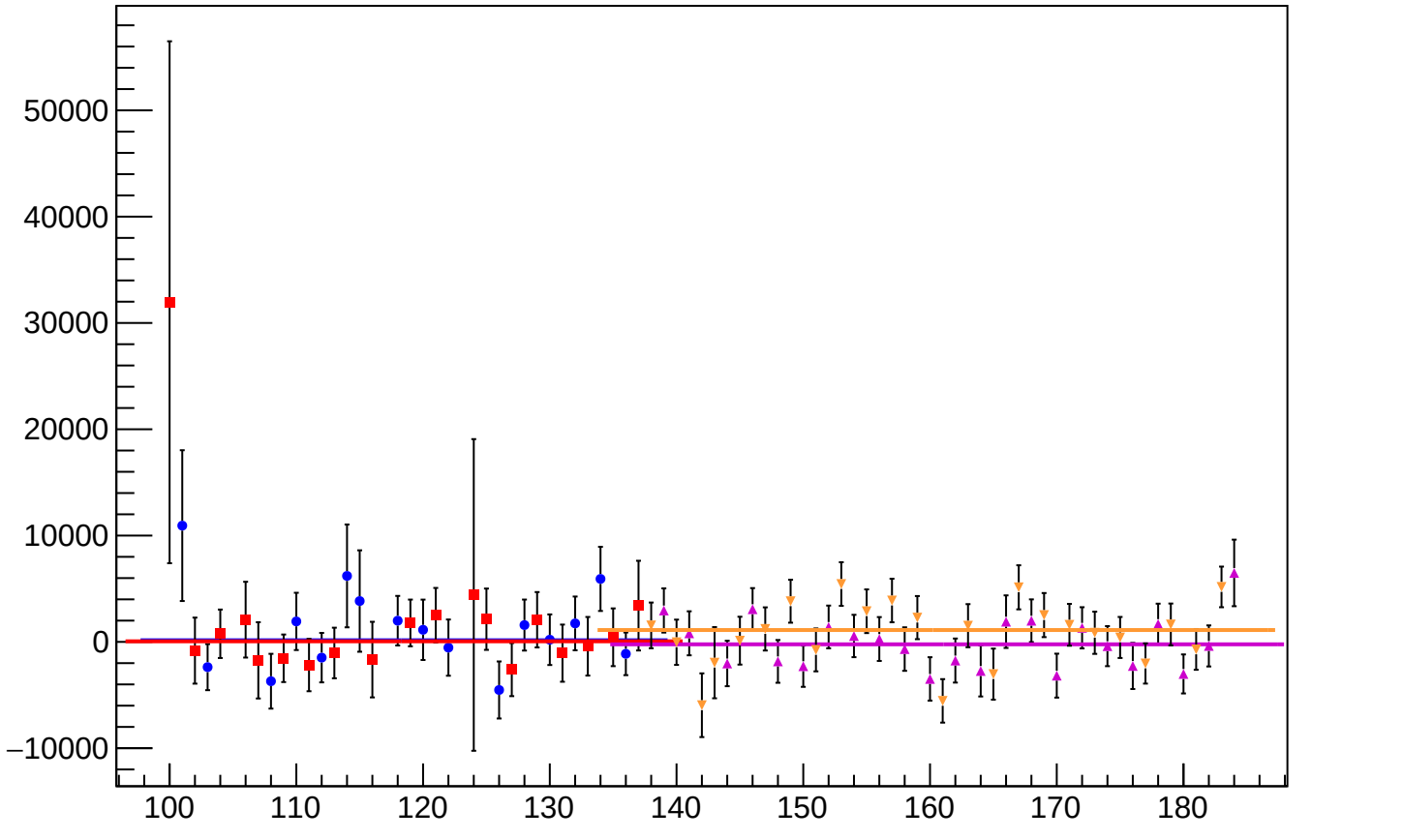
Left: 0.000+/-0.000 χ^2/NDF: 16908925.0/46

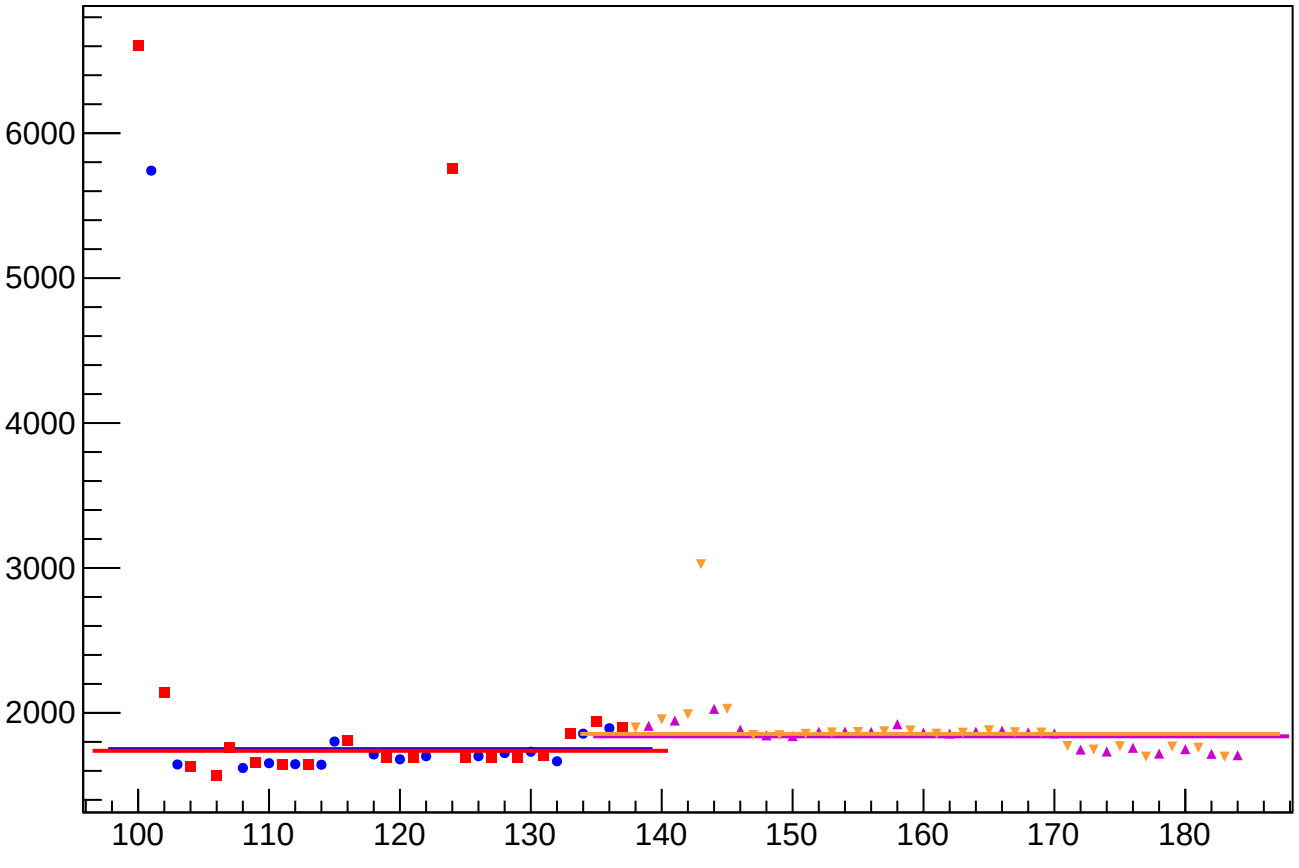
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:6922840.9/38

Out: 0.000+/-0.000 χ^2/NDF:14949055.5/42

All: 0.000+/-0.000 χ^2/NDF: 24156891.6/81


reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: 150.722+/-667.029 χ²/NDF: 17.7/15
Left Out: 1114.178+/-426.060 χ²/NDF:43.3/23
Right Out: 54.106+/-655.266 χ²/NDF: 9.0/18
Left In: -229.321+/-429.699 χ²/NDF:26.4/22
Left: 448.140+/-302.548 χ²/NDF: 74.6/46
Right: 101.554+/-467.446 χ²/NDF: 26.6/34
In: -117.862+/-361.233 χ²/NDF:44.3/38
Out: 799.181+/-357.193 χ²/NDF:54.1/42
All: 345.816+/-253.990 χ²/NDF: 101.6/81



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: 1838.528+/-0.304 χ^2/NDF:68478.0/22

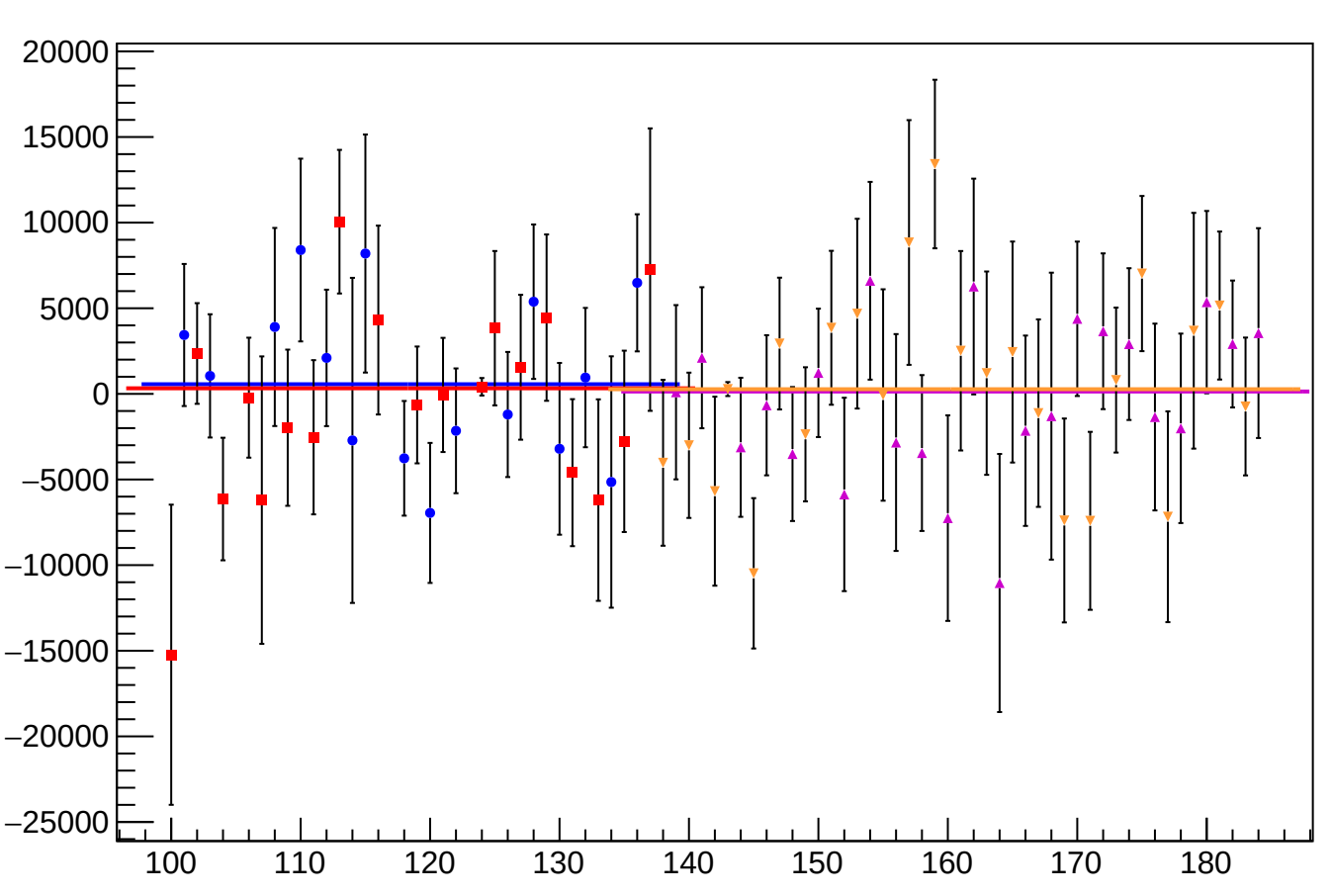
Left: 1846.962+/-0.214 χ^2/NDF: 386030.8/46

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1812.525+/-0.255 χ^2/NDF:763027.4/38

Out: 1820.199+/-0.252 χ^2/NDF:665614.1/42

All: 1816.413+/-0.179 χ^2/NDF: 1429098.9/81



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: 138.350+/-1022.943 χ^2/NDF:13.9/22

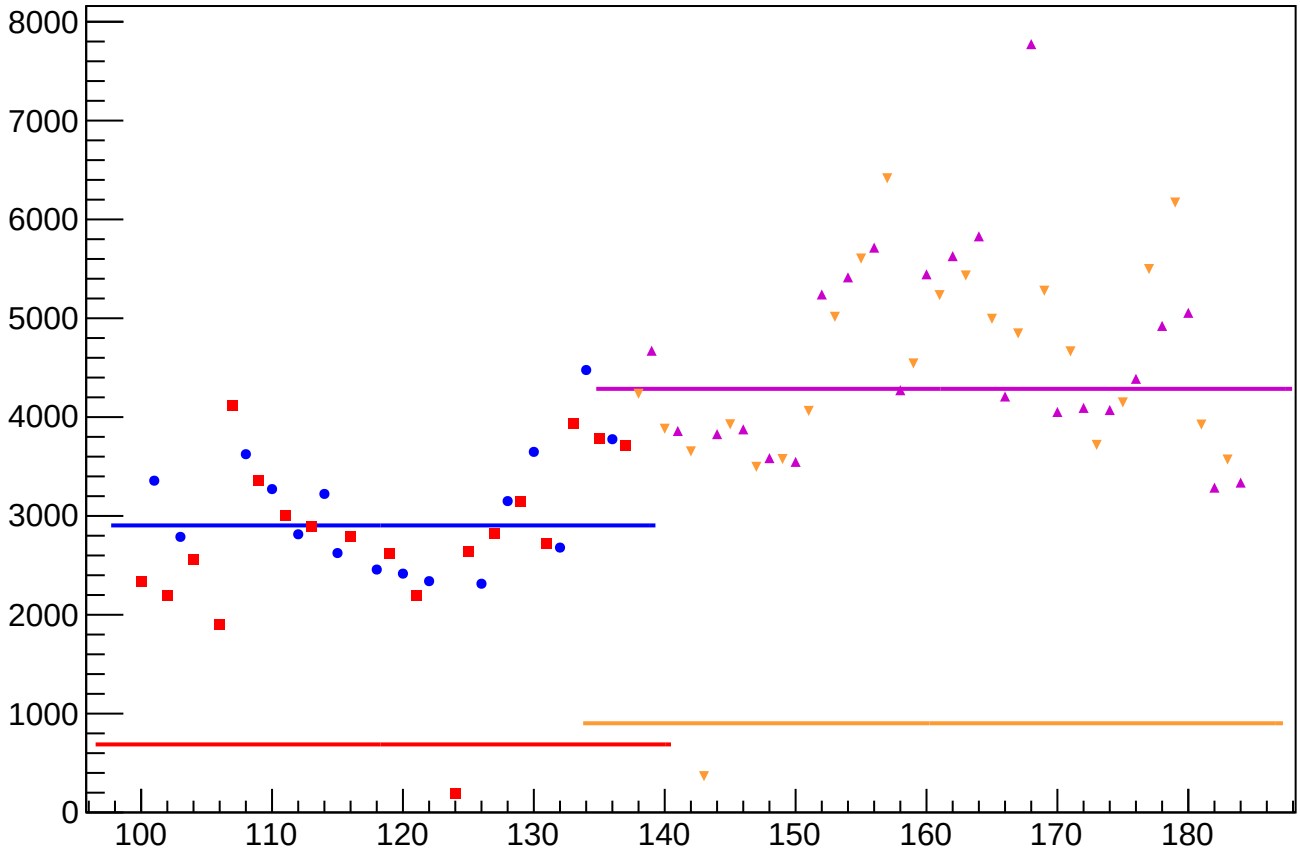
Left: 255.571+/-356.608 χ^2/NDF: 42.7/46

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 334.752+/-749.458 χ^2/NDF:28.8/38

Out: 293.750+/-292.650 χ^2/NDF:48.0/42

All: 299.175+/-272.604 χ^2/NDF: 76.8/81



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: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

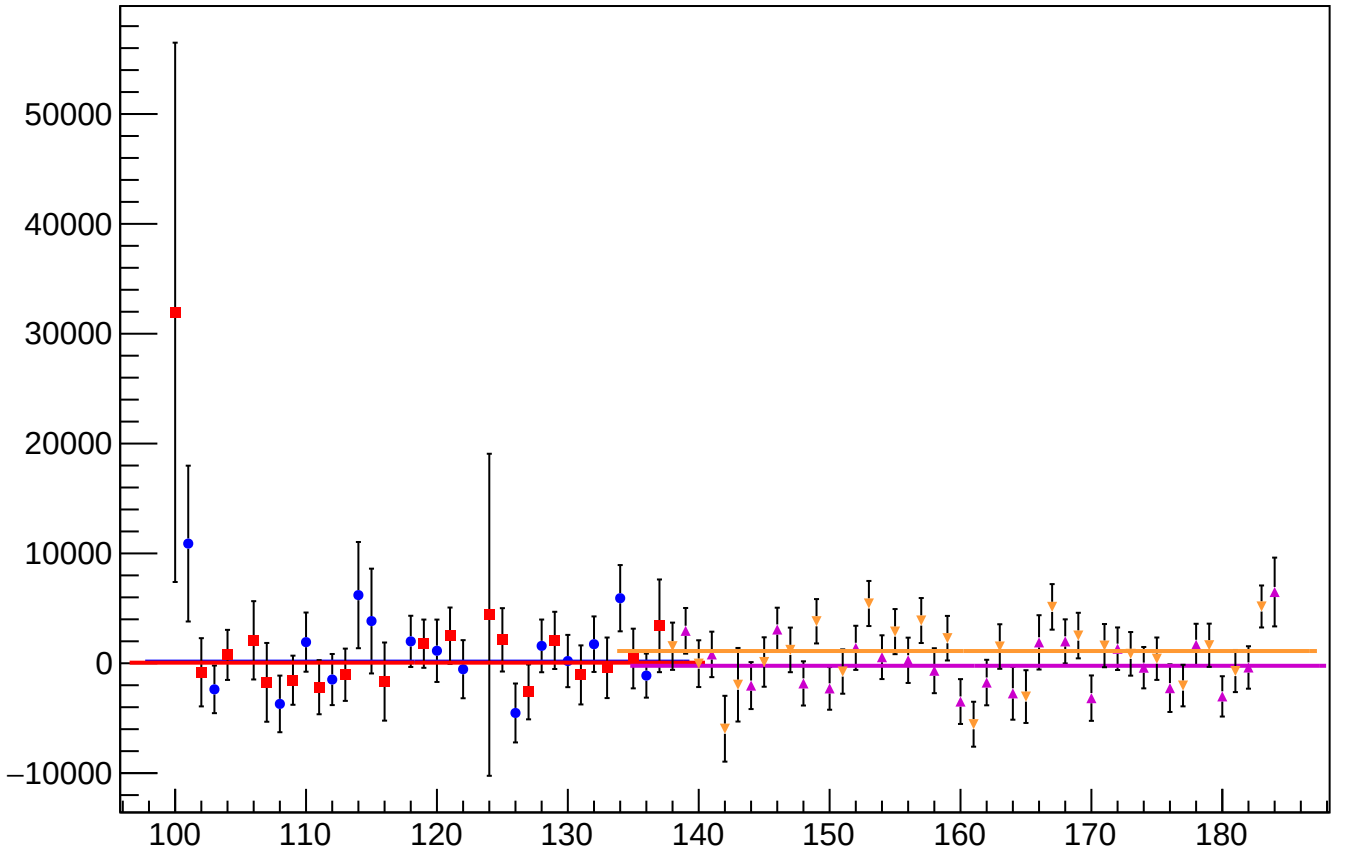
Left: 1313.528+/-0.252 χ^2/NDF: 47035027.9/46

Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3645.764+/-0.530 χ^2/NDF:3498149.8/38

Out: 814.934+/-0.207 χ^2/NDF:36892863.2/42

All: 1189.462+/-0.193 χ^2/NDF: 65149865.6/8



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: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 448.175+/-302.548 χ^2/NDF: 74.6/46

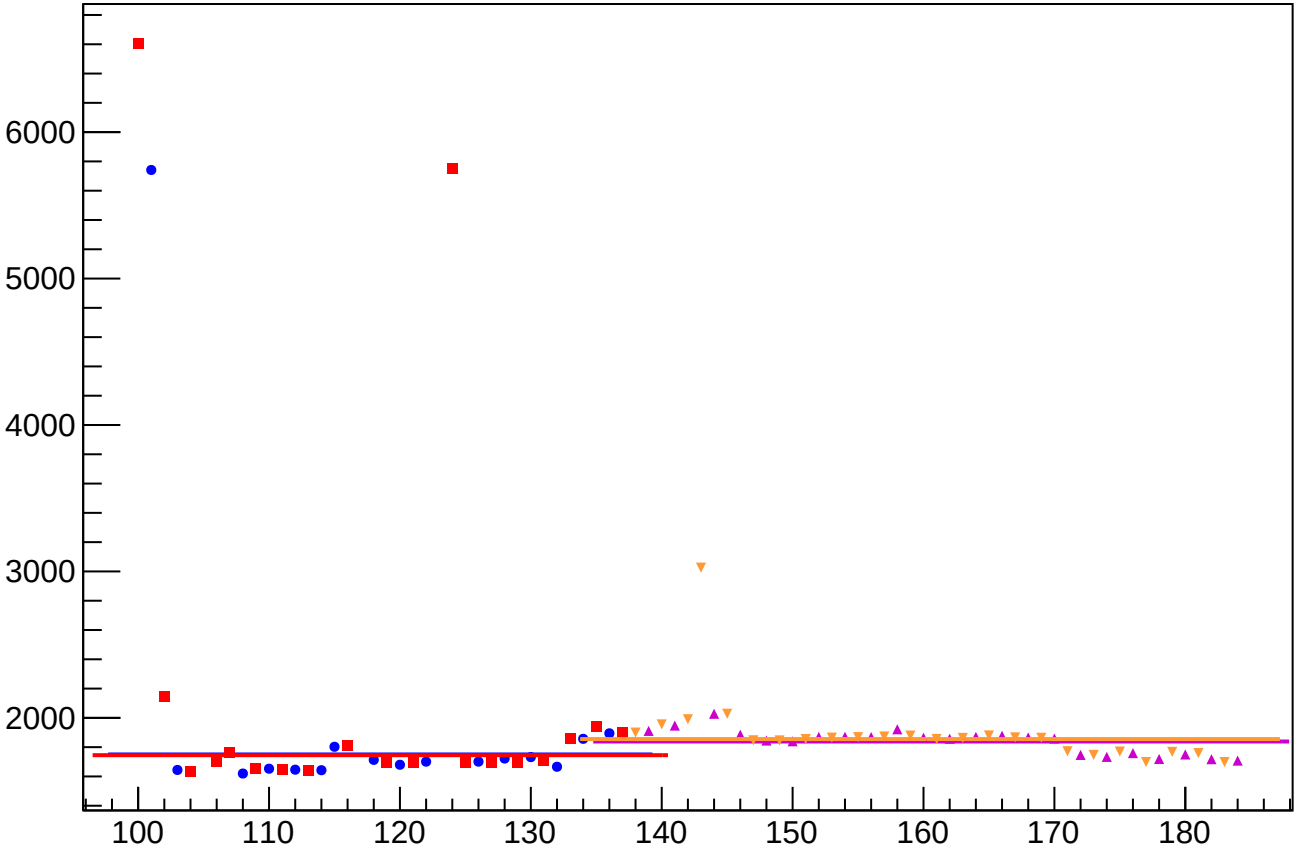
Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -117.939+/-361.233 χ^2/NDF:44.2/38

Out: 799.185+/-357.193 χ^2/NDF:54.1/42

All: 345.780+/-253.990 χ^2/NDF: 101.6/81

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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: 1838.528+/-0.304 χ^2/NDF:68478.0/22

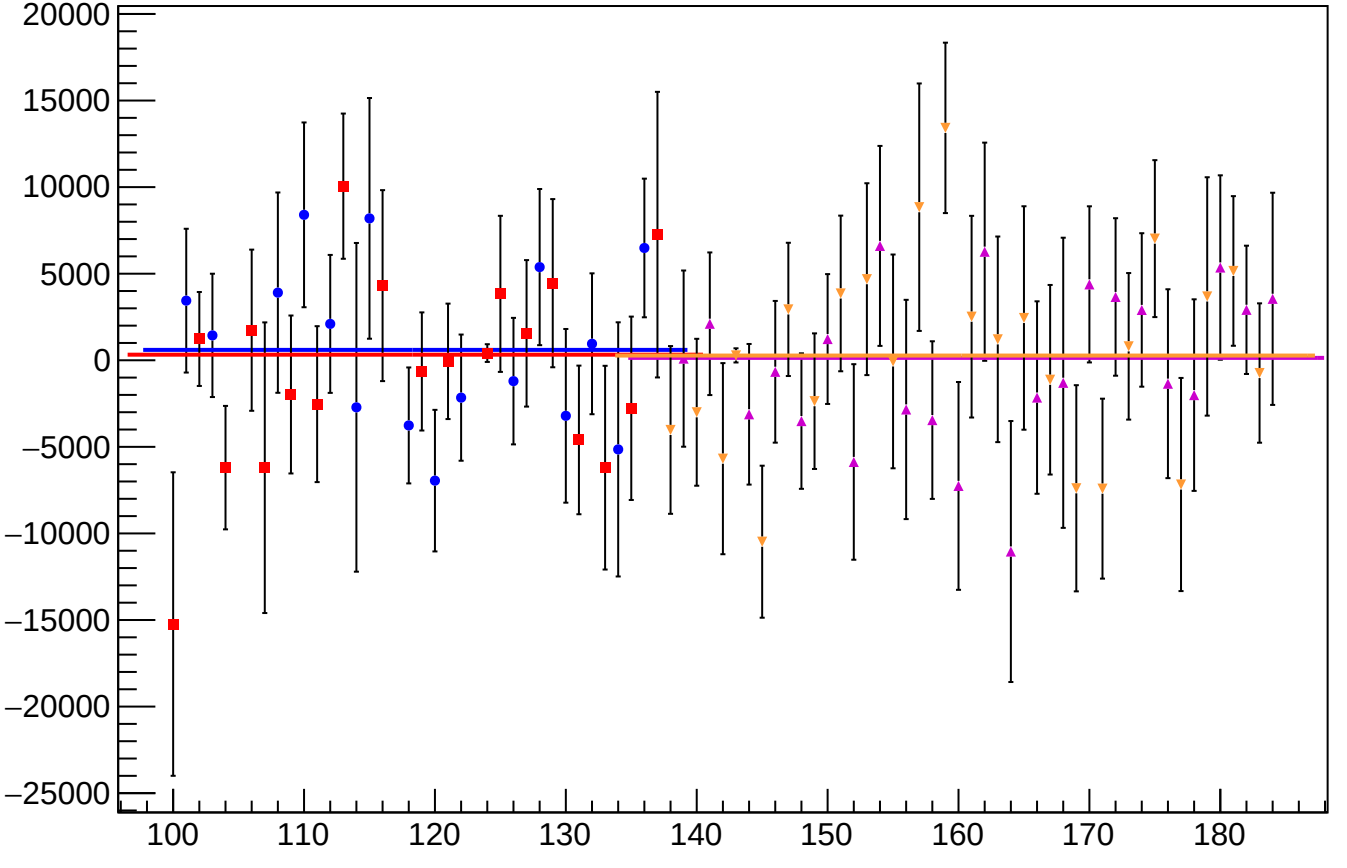
Left: 1846.962+/-0.214 χ^2/NDF: 386030.7/46

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1812.525+/-0.255 χ^2/NDF:763027.8/38

Out: 1822.376+/-0.252 χ^2/NDF:653873.9/42

All: 1817.511+/-0.179 χ^2/NDF: 1417654.6/81



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: 138.272+/-1022.940 χ^2/NDF:13.9/22

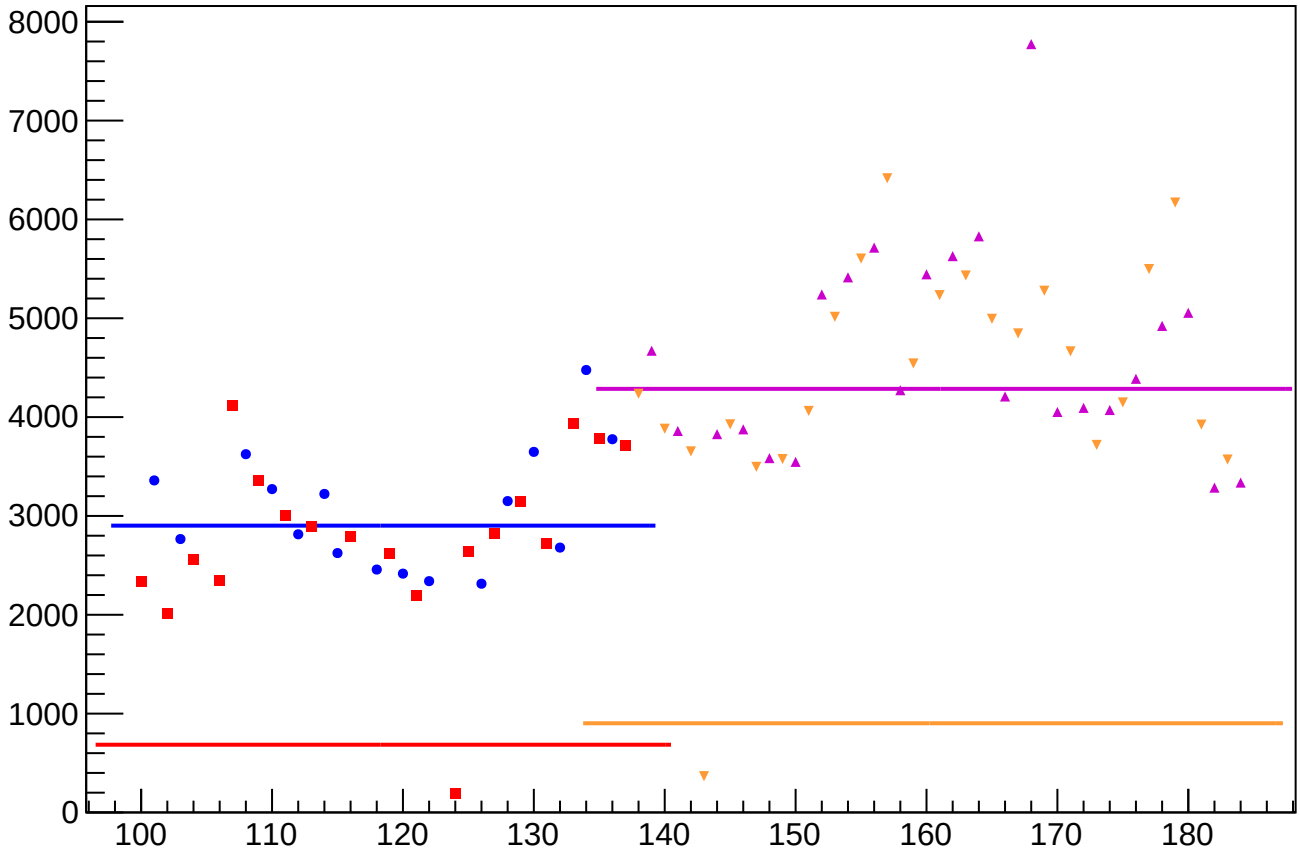
Left: 256.353+/-356.632 χ^2/NDF: 42.7/46

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 352.465+/-749.130 χ^2/NDF:28.8/38

Out: 293.257+/-292.902 χ^2/NDF:47.8/42

All: 301.108+/-272.792 χ^2/NDF: 76.7/81



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: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

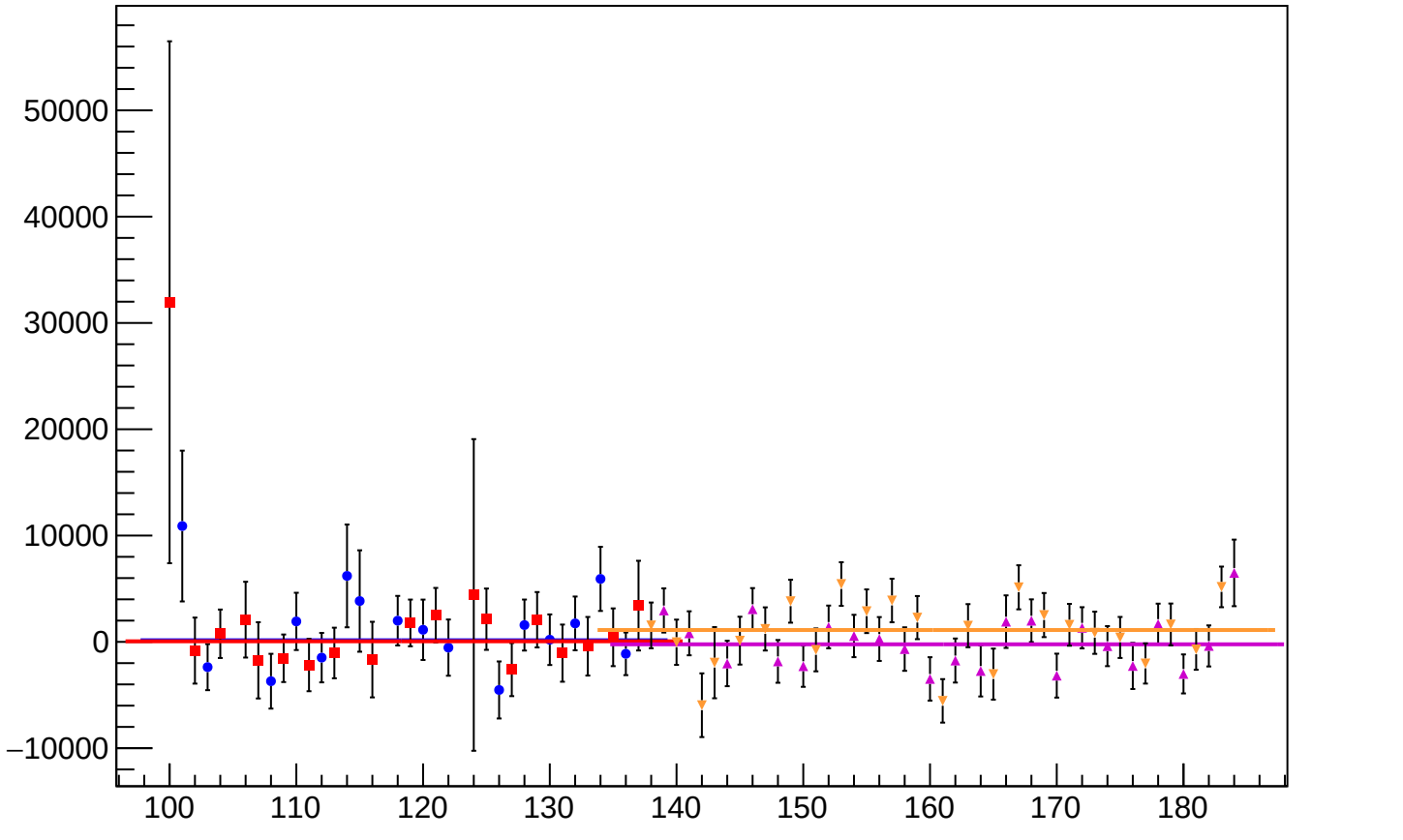
Left: 1313.687+/-0.252 χ^2/NDF: 47032174.1/46

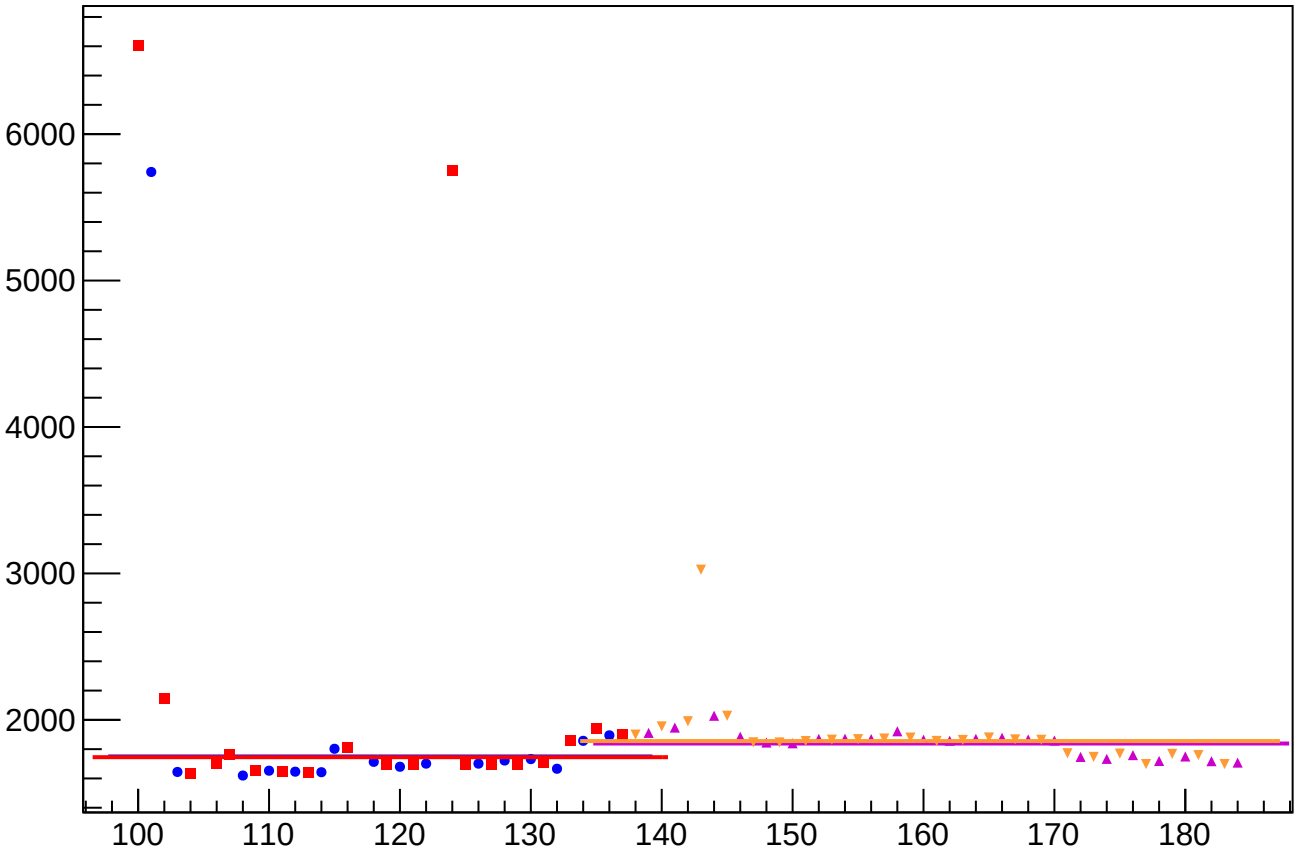
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3644.093+/-0.530 χ^2/NDF:3506400.3/38

Out: 813.954+/-0.207 χ^2/NDF:36855710.4/42

All: 1189.235+/-0.193 χ^2/NDF: 65122051.4/8


eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: 150.254+/-667.029 χ²/NDF: 17.6/15
Left Out: 1114.162+/-426.060 χ²/NDF:43.3/23
Right Out: 54.158+/-655.266 χ²/NDF: 9.0/18
Left In: -229.236+/-429.699 χ²/NDF:26.4/22
Left: 448.175+/-302.548 χ²/NDF: 74.6/46
Right: 101.351+/-467.446 χ²/NDF: 26.6/34
In: -117.939+/-361.233 χ²/NDF:44.2/38
Out: 799.185+/-357.193 χ²/NDF:54.1/42
All: 345.780+/-253.990 χ²/NDF: 101.6/81



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: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1846.962+/-0.214 χ^2/NDF: 386030.7/46

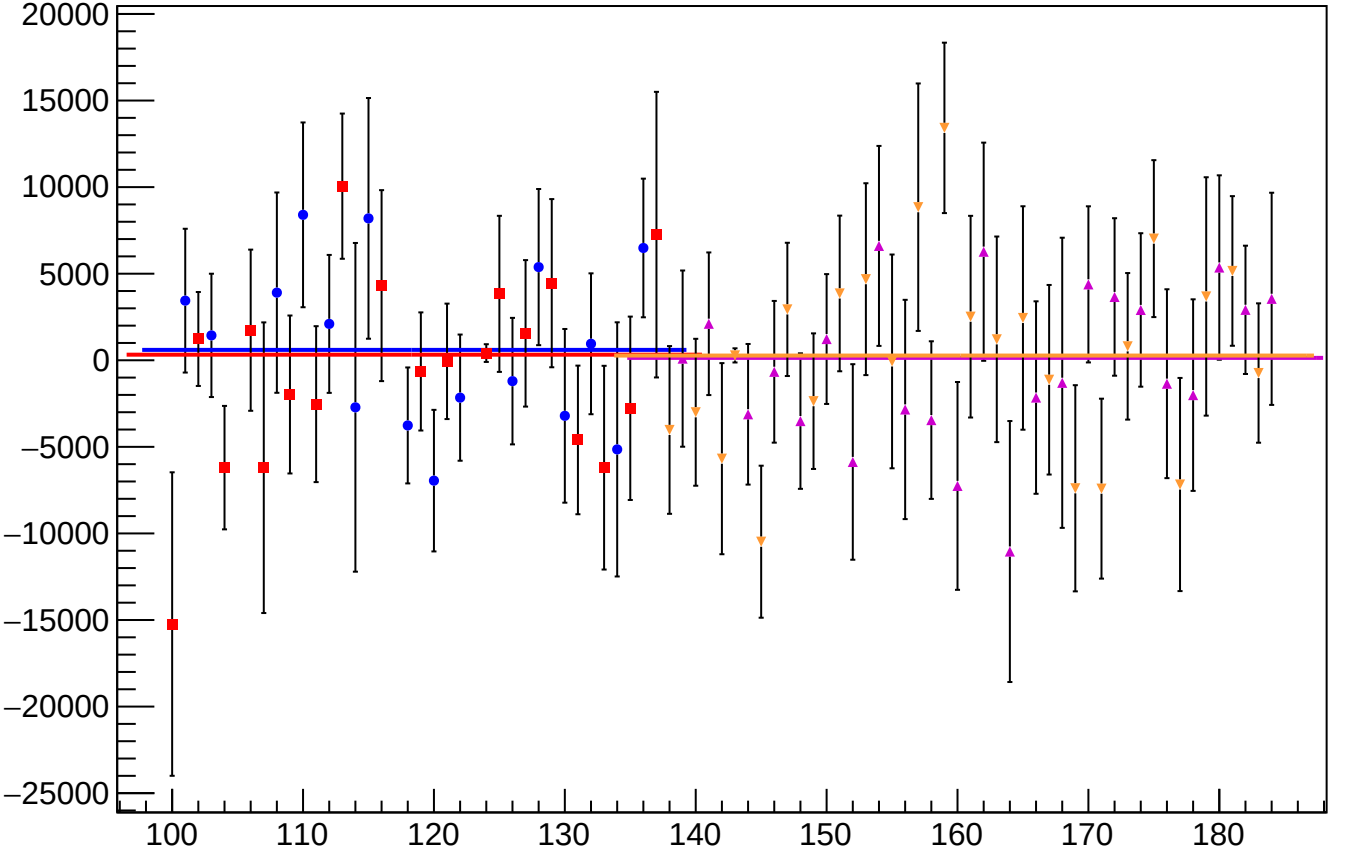
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1812.525+/-0.255 χ^2/NDF:763027.8/38

Out: 1822.376+/-0.252 χ^2/NDF:653873.9/42

All: 1817.511+/-0.179 χ^2/NDF: 1417654.6/81

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 272.691+/-380.506 χ^2/NDF:28.8/23

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

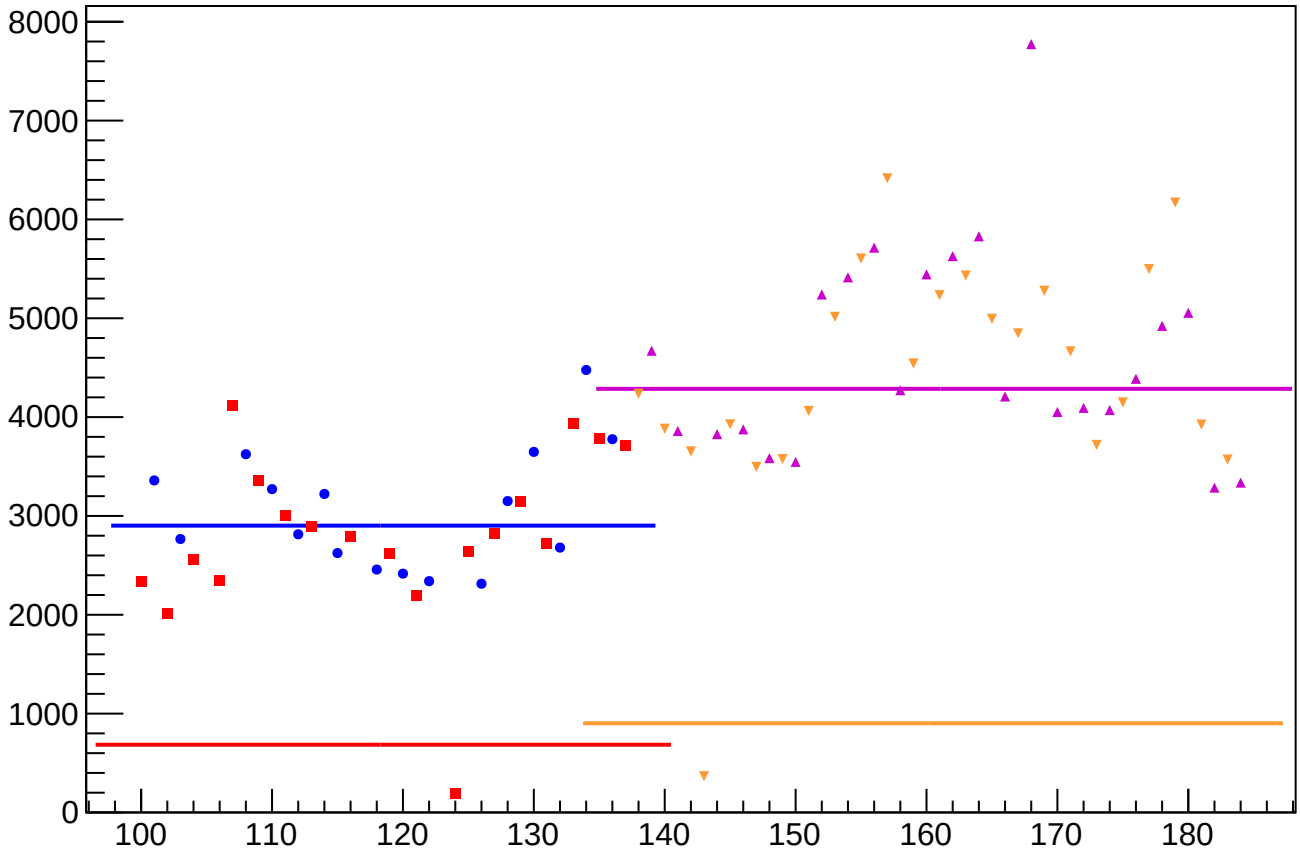
Left: 256.353+/-356.632 χ^2/NDF: 42.7/46

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 352.465+/-749.130 χ^2/NDF:28.8/38

Out: 293.257+/-292.902 χ^2/NDF:47.8/42

All: 301.108+/-272.792 χ^2/NDF: 76.7/81



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: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

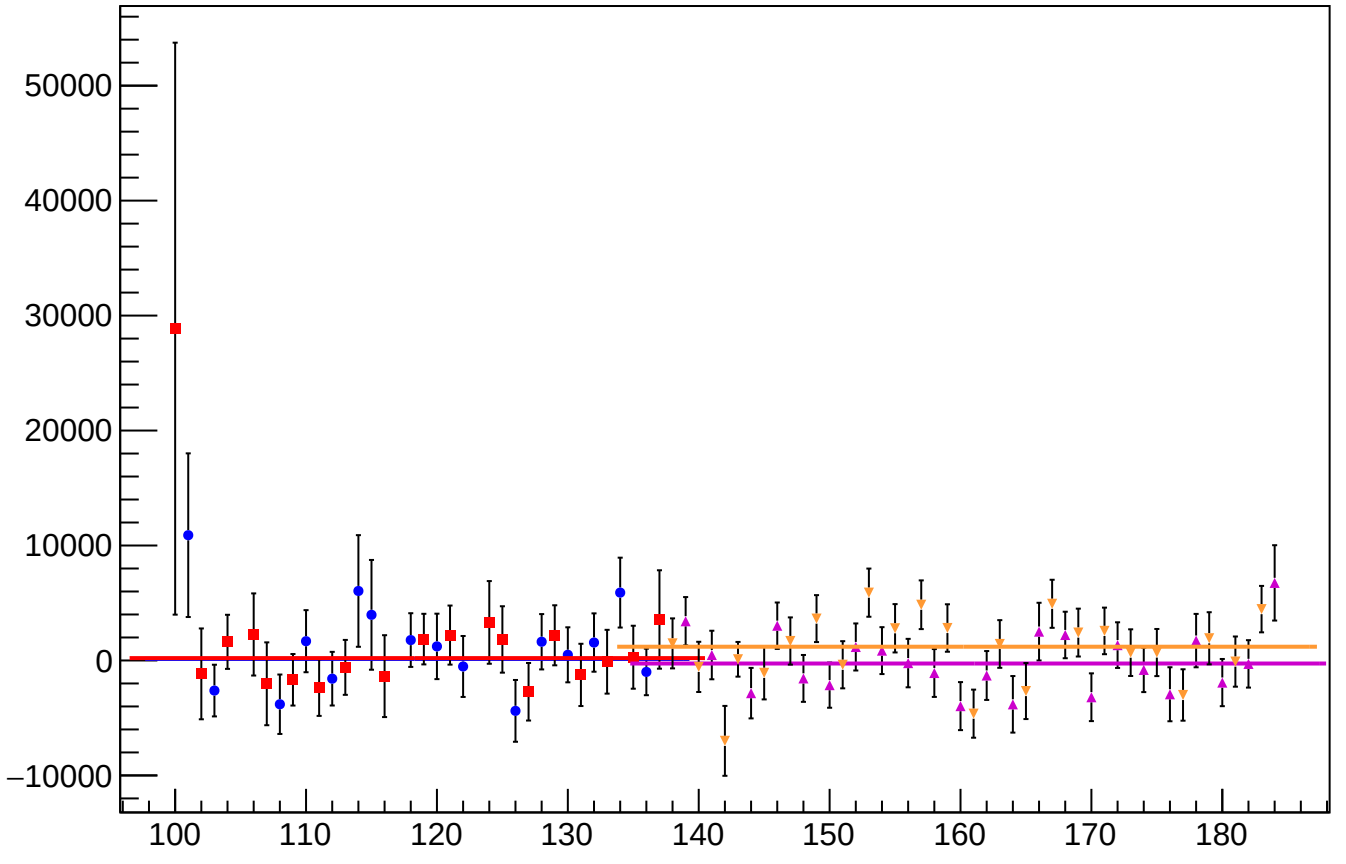
Left: 1313.687+/-0.252 χ^2/NDF: 47032174.1/46

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3644.093+/-0.530 χ^2/NDF:3506400.3/38

Out: 813.954+/-0.207 χ^2/NDF:36855710.4/42

All: 1189.235+/-0.193 χ^2/NDF: 65122051.4/8



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: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 493.728+/-308.809 χ^2/NDF: 75.0/46

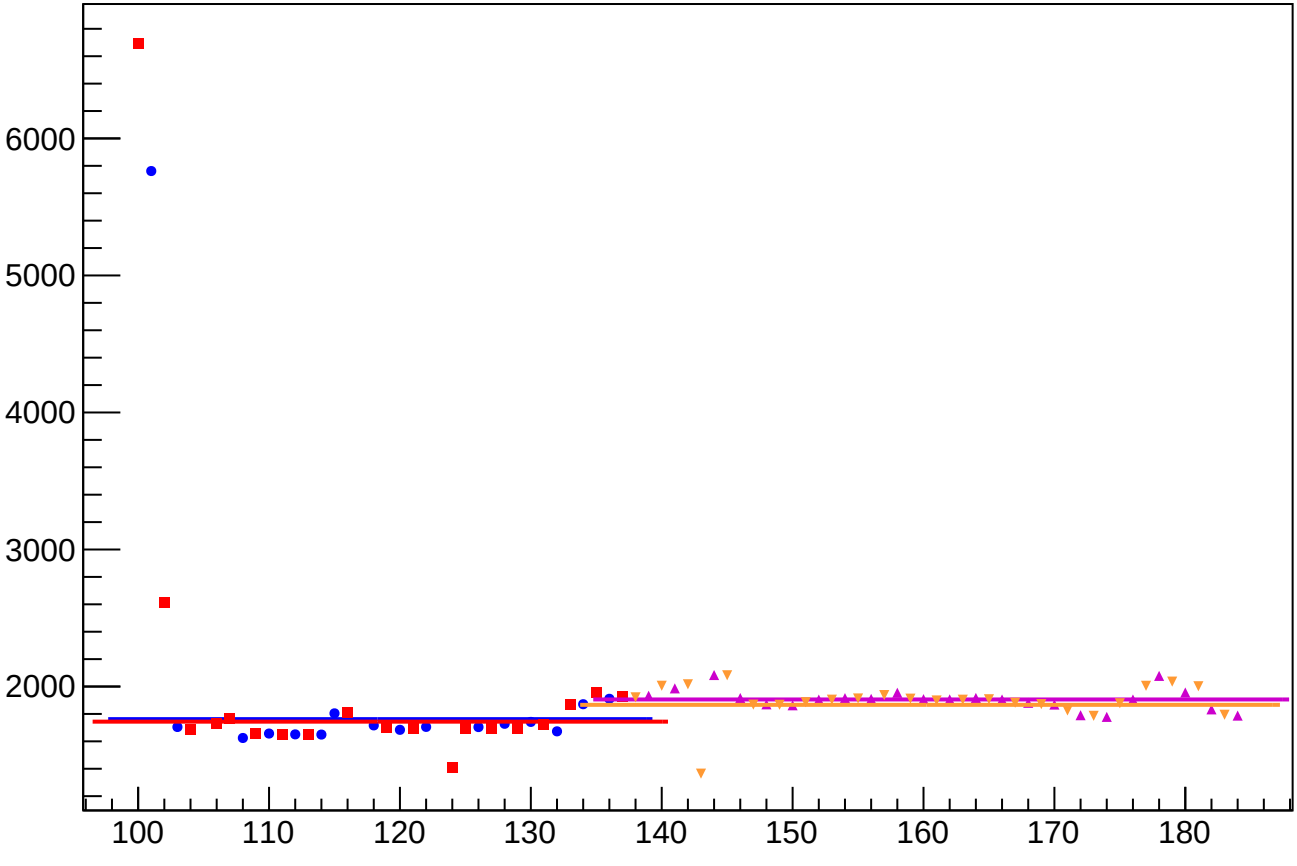
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -142.918+/-371.166 χ^2/NDF:45.2/38

Out: 898.692+/-358.536 χ^2/NDF:53.0/42

All: 395.910+/-257.873 χ^2/NDF: 102.3/81

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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: 1905.628+/-0.315 χ^2/NDF:52781.7/22

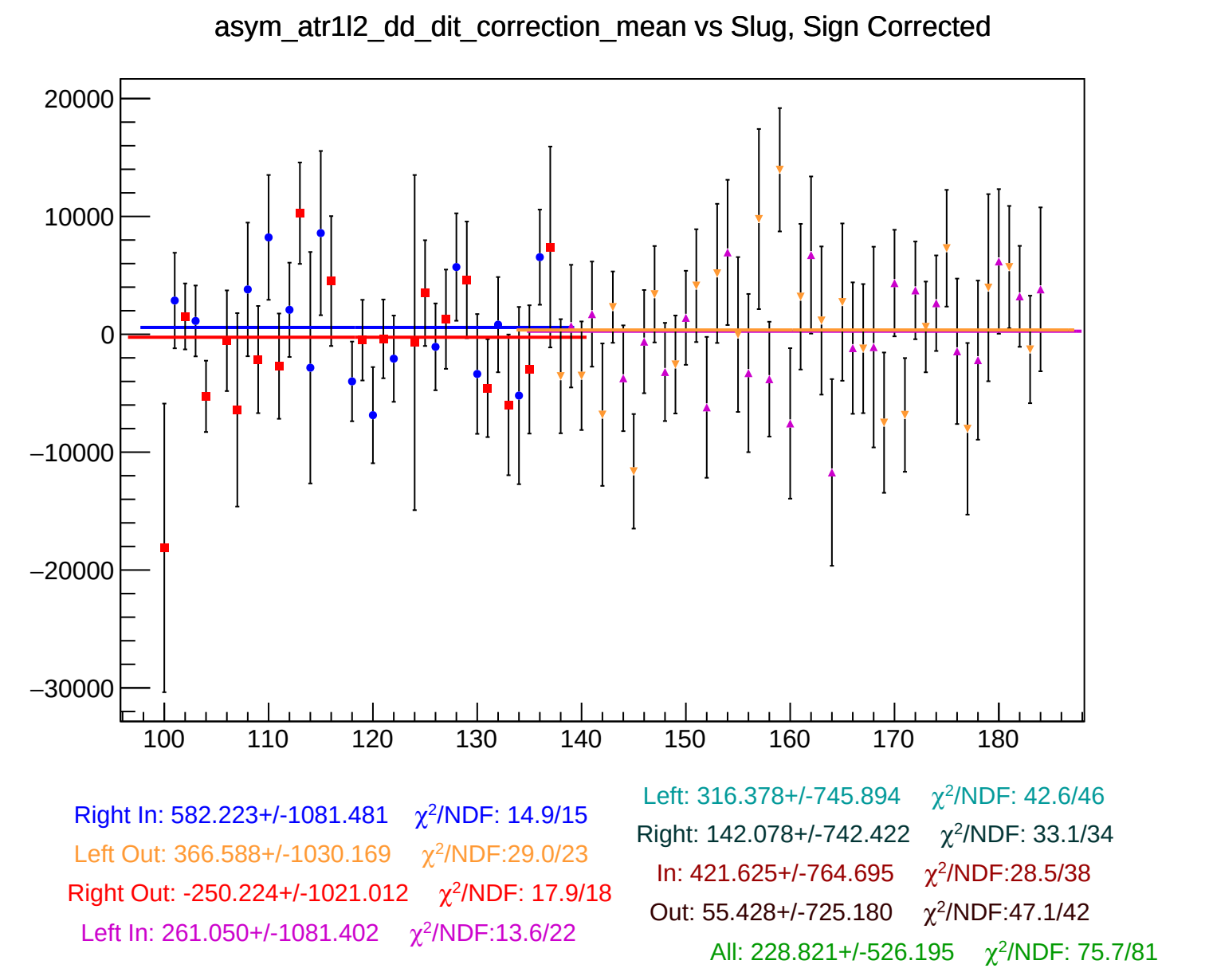
Left: 1885.278+/-0.218 χ^2/NDF: 353711.7/46

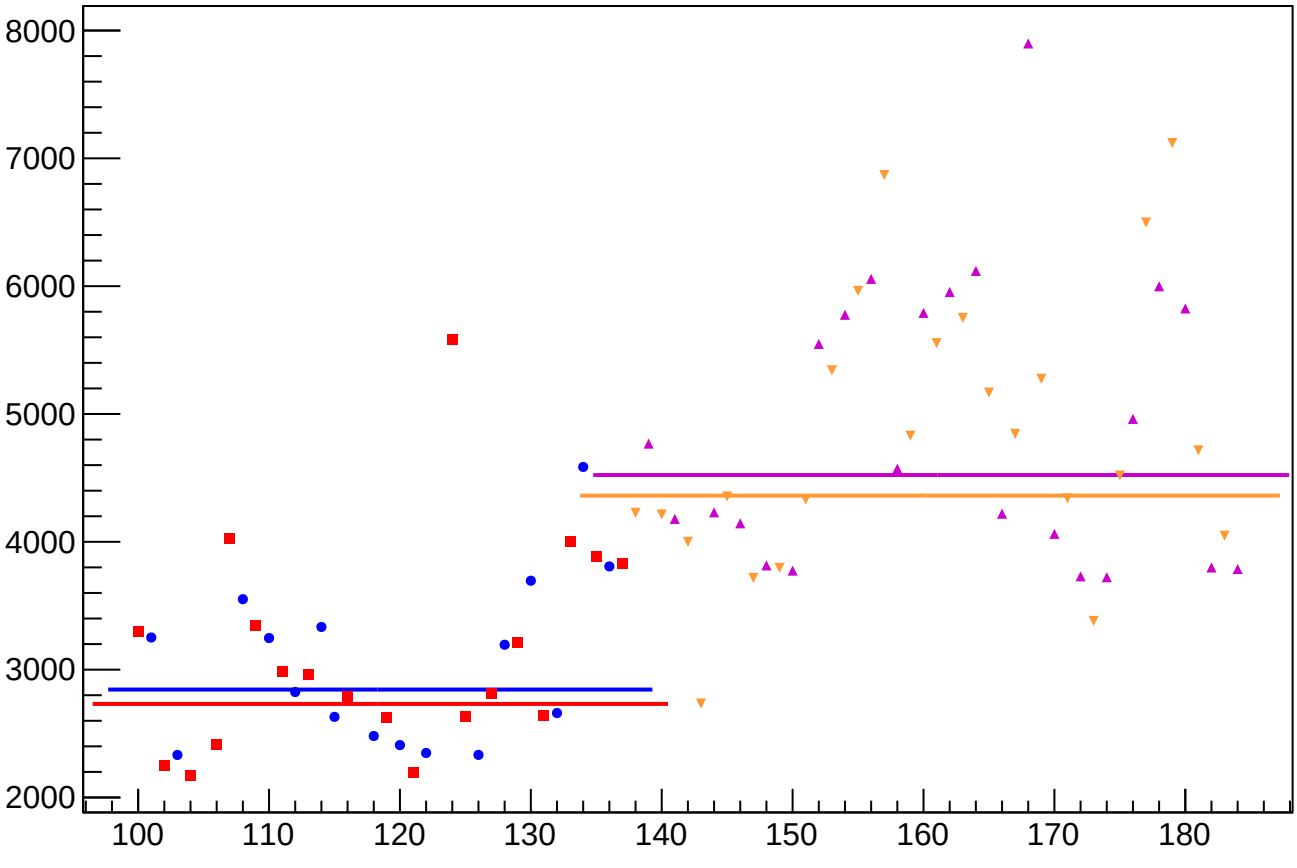
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1861.778+/-0.262 χ^2/NDF:783963.2/38

Out: 1829.454+/-0.253 χ^2/NDF:570058.7/42

All: 1845.043+/-0.182 χ^2/NDF: 1361874.8/81


asym_atr1l2_dd_dit_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 582.223+/-1081.481 χ²/NDF: 14.9/15
Left Out: 366.588+/-1030.169 χ²/NDF:29.0/23
Right Out: -250.224+/-1021.012 χ²/NDF: 17.9/18
Left In: 261.050+/-1081.402 χ²/NDF:13.6/22
Left: 316.378+/-745.894 χ²/NDF: 42.6/46
Right: 142.078+/-742.422 χ²/NDF: 33.1/34
In: 421.625+/-764.695 χ²/NDF:28.5/38
Out: 55.428+/-725.180 χ²/NDF:47.1/42
All: 228.821+/-526.195 χ²/NDF: 75.7/81



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: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

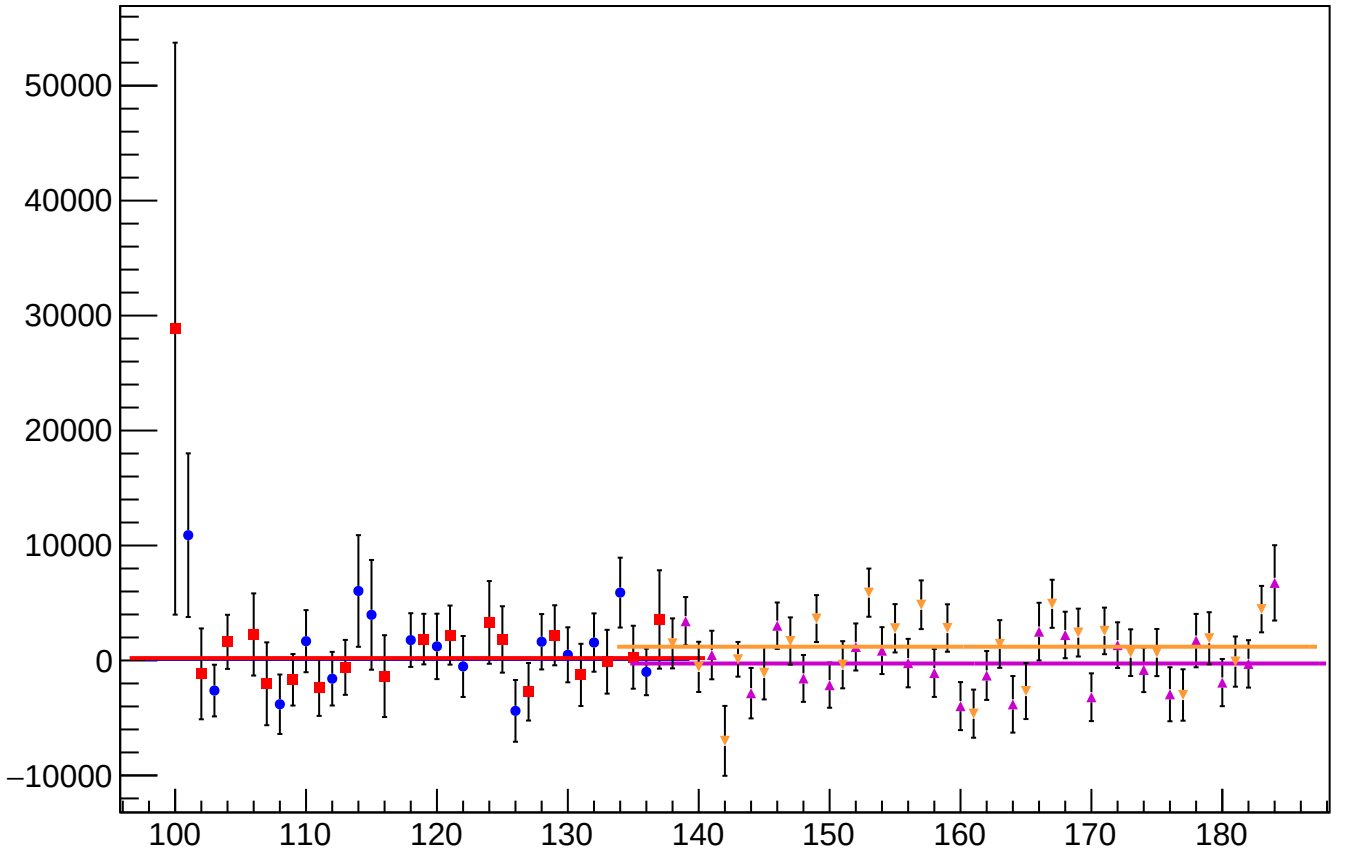
Left: 4438.308+/-0.527 χ^2/NDF: 3366741.6/46

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3683.531+/-0.541 χ^2/NDF:4385426.6/38

Out: 3539.536+/-0.513 χ^2/NDF:5045604.4/42

All: 3607.717+/-0.372 χ^2/NDF: 9468369.0/81



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: -264.609+/-445.354 χ^2/NDF:27.7/22

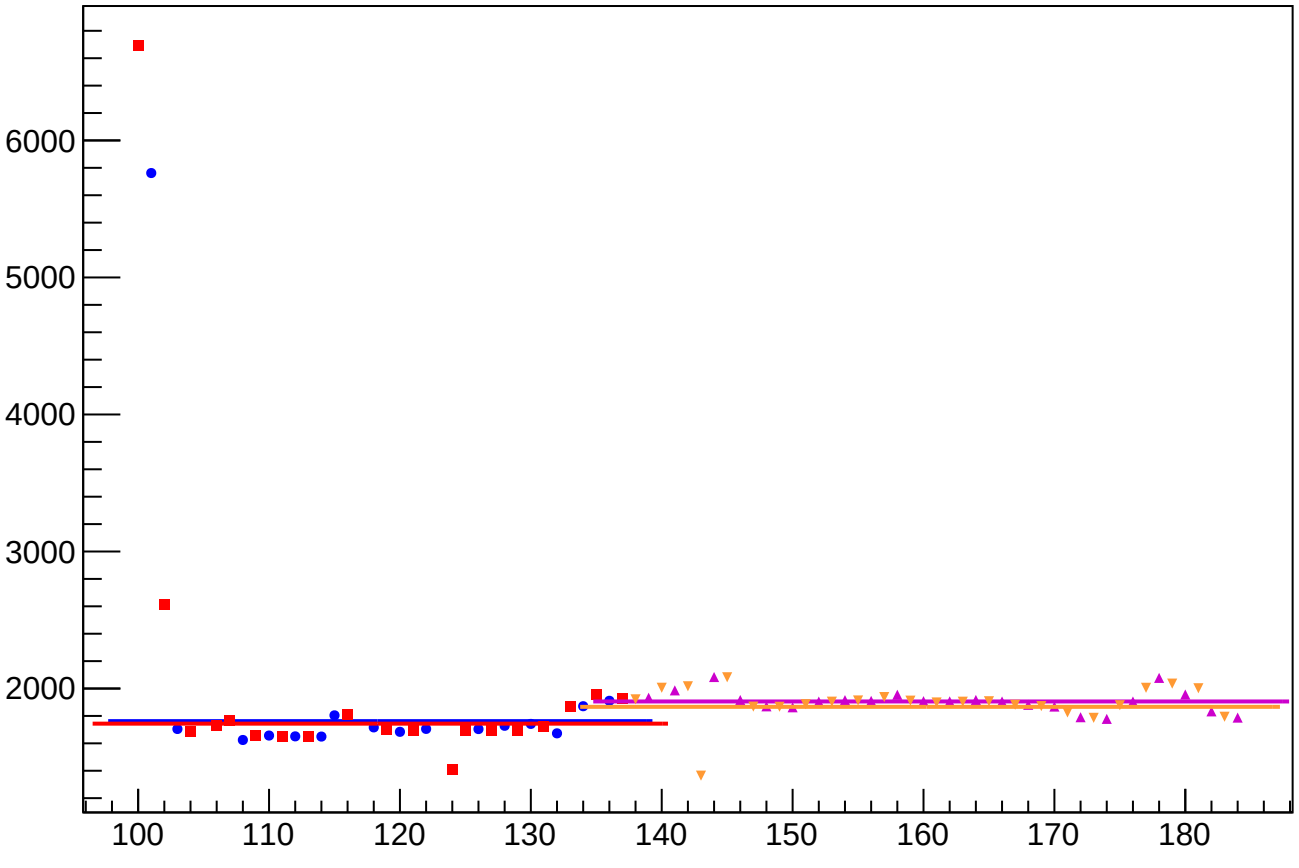
Left: 493.729+/-308.810 χ^2/NDF: 75.0/46

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -142.918+/-371.166 χ^2/NDF:45.2/38

Out: 898.692+/-358.536 χ^2/NDF:53.0/42

All: 395.910+/-257.873 χ^2/NDF: 102.3/81



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: 1905.629+/-0.315 χ^2/NDF:52783.9/22

Left: 1885.279+/-0.218 χ^2/NDF: 353717.4/46

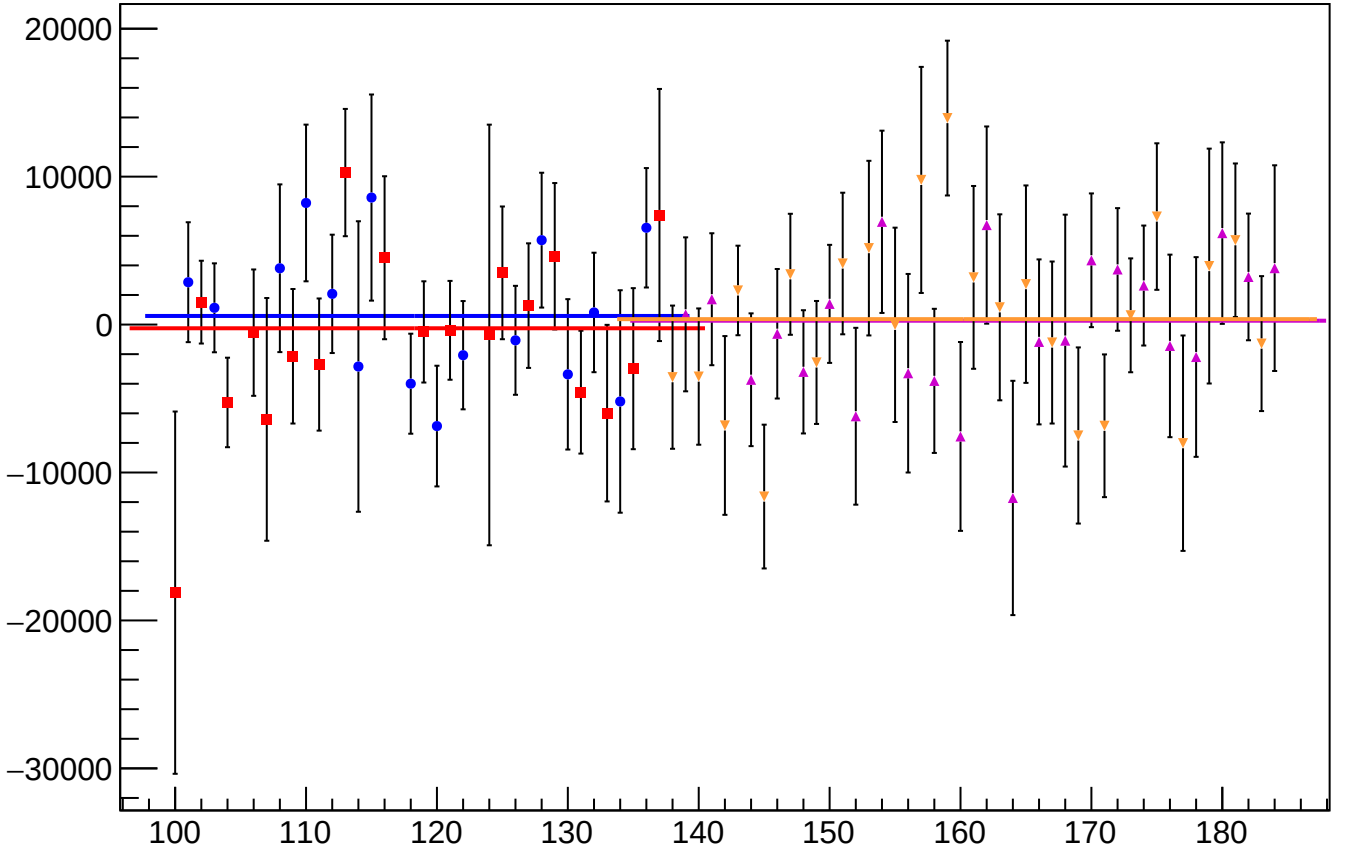
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1861.778+/-0.262 χ^2/NDF:783966.4/38

Out: 1829.455+/-0.253 χ^2/NDF:570062.9/42

All: 1845.043+/-0.182 χ^2/NDF: 1361882.3/81

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 366.591+/-1030.170 χ^2/NDF:29.0/23

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

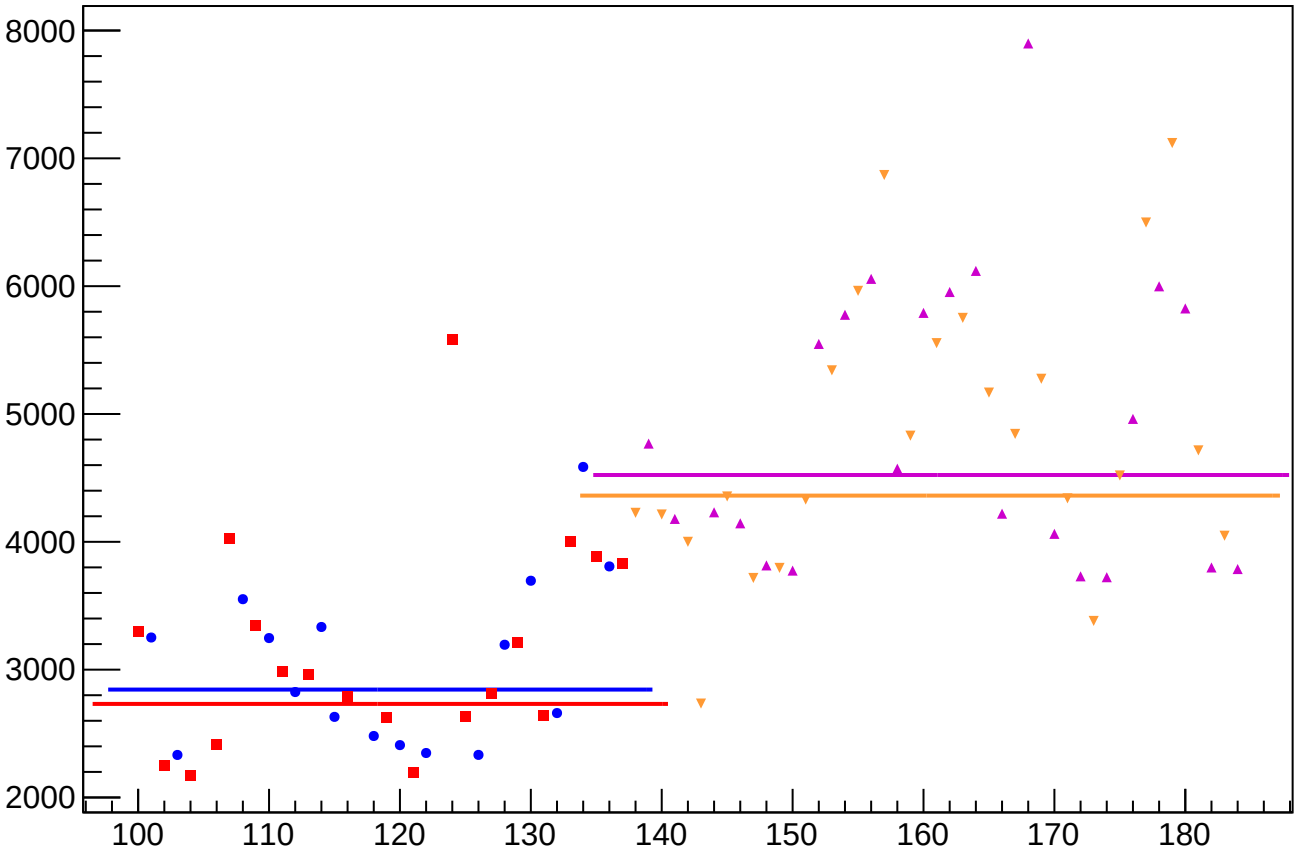
Left: 316.380+/-745.895 χ^2/NDF: 42.6/46

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 421.624+/-764.694 χ^2/NDF:28.5/38

Out: 55.428+/-725.180 χ^2/NDF:47.1/42

All: 228.821+/-526.195 χ^2/NDF: 75.7/81



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: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4438.315+/-0.527 χ^2/NDF: 3366747.5/46

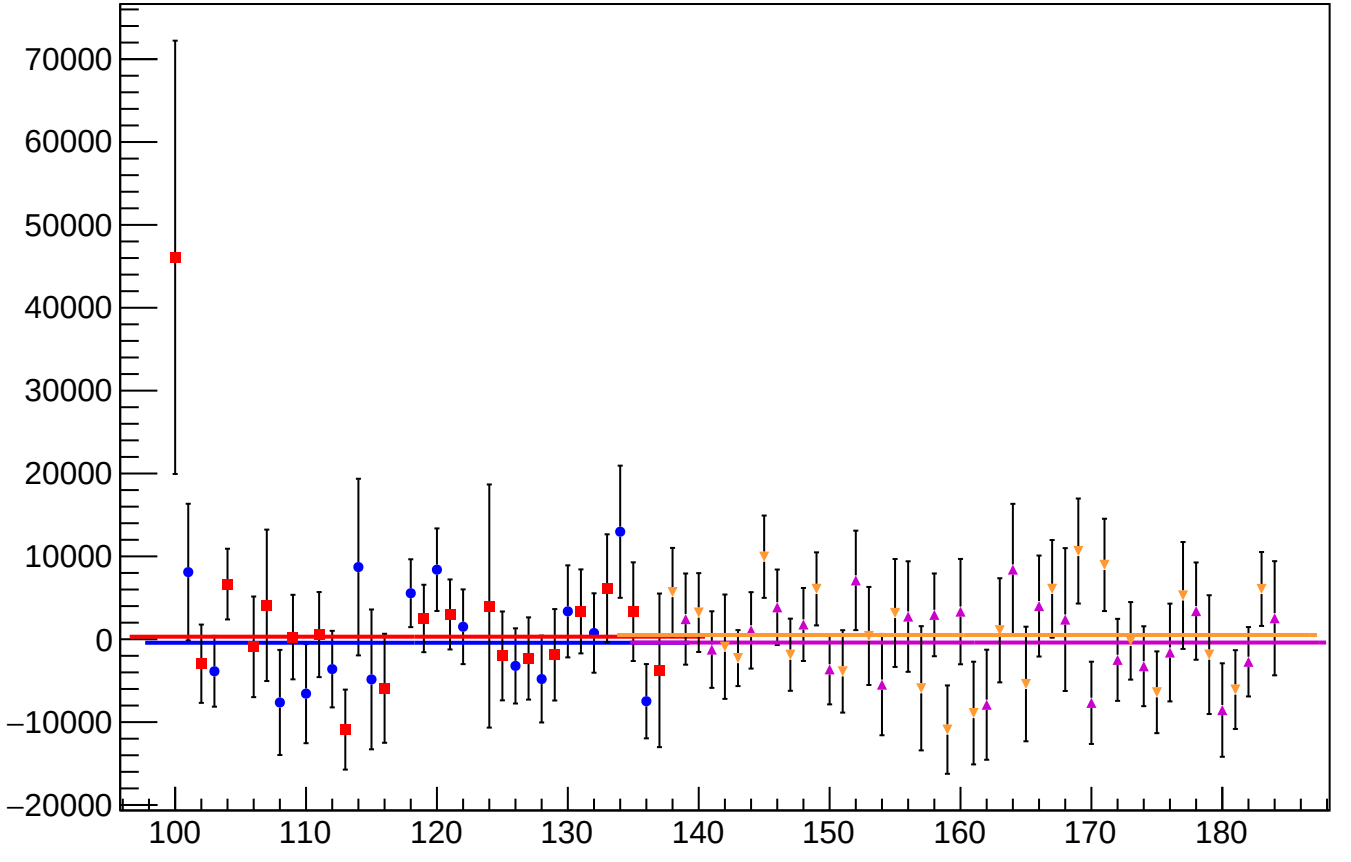
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3683.528+/-0.541 χ^2/NDF:4385477.7/38

Out: 3539.533+/-0.513 χ^2/NDF:5045646.1/42

All: 3607.714+/-0.372 χ^2/NDF: 9468461.3/81

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: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: 77.632+/-775.903 χ^2/NDF: 43.3/46

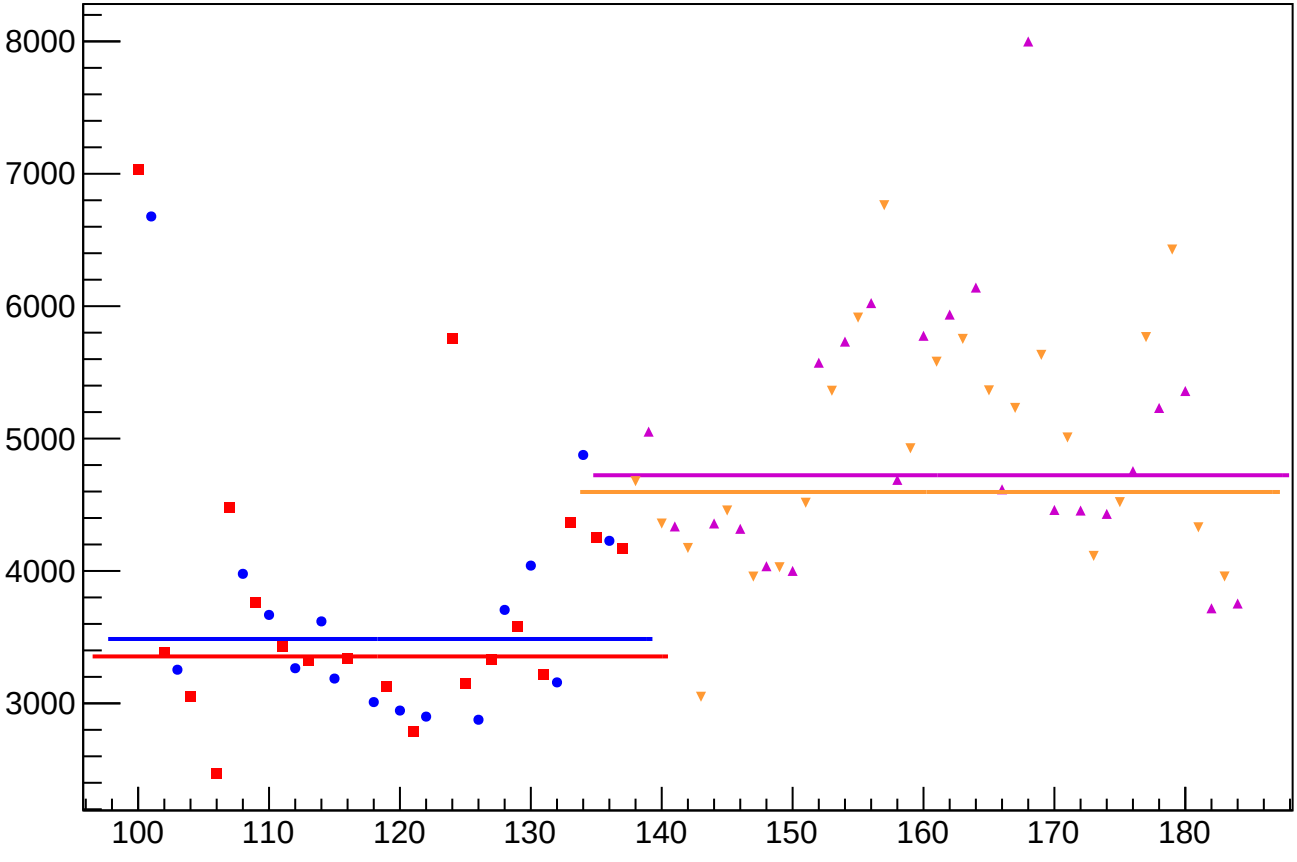
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -408.397+/-856.557 χ^2/NDF:32.1/38

Out: 428.682+/-821.939 χ^2/NDF:44.0/42

All: 27.399+/-593.059 χ^2/NDF: 76.6/81

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: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

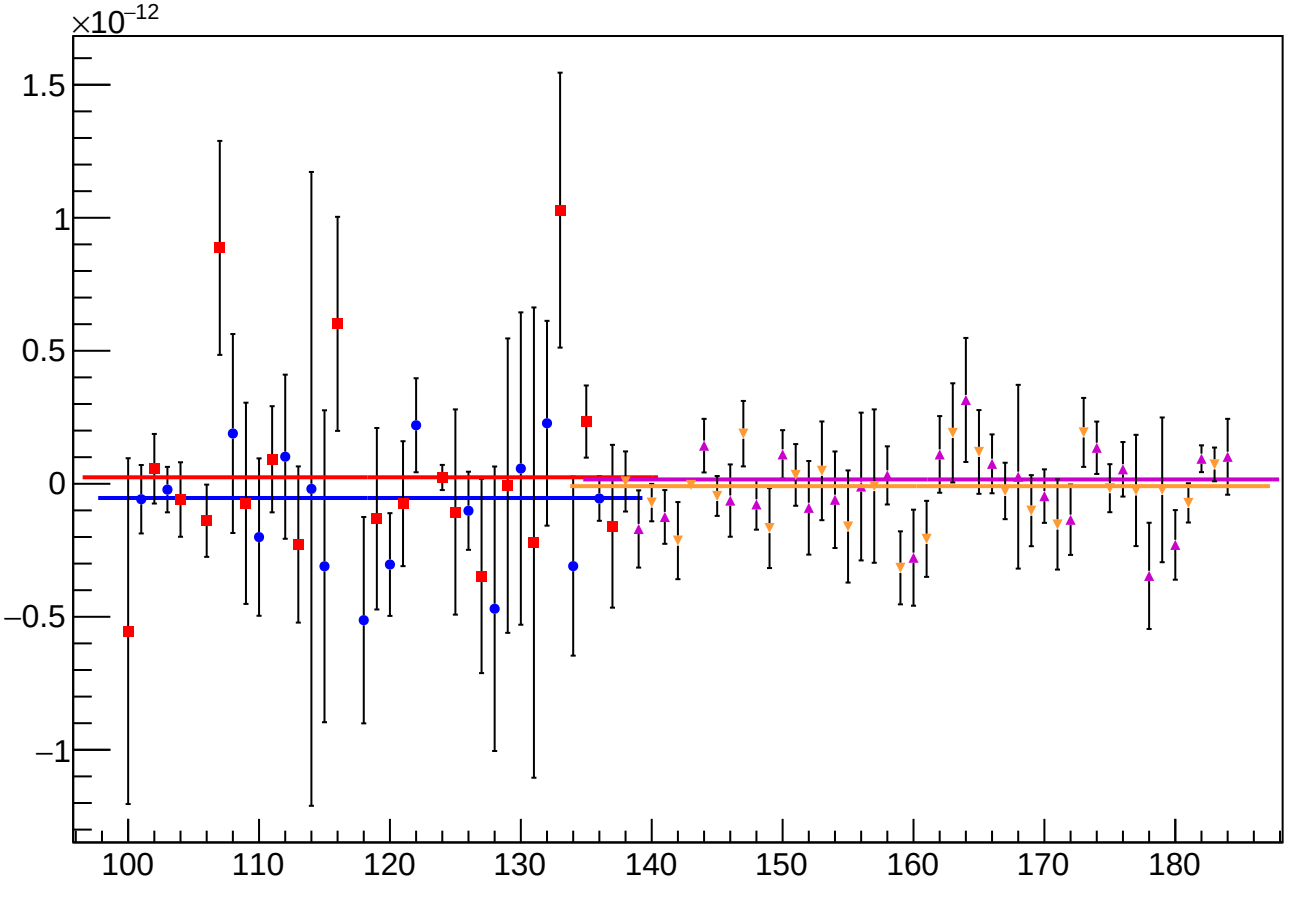
Left: 4657.093+/-0.549 χ^2/NDF: 2328547.0/46

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4207.882+/-0.606 χ^2/NDF:2625855.4/38

Out: 4072.428+/-0.578 χ^2/NDF:2802295.3/42

All: 4136.966+/-0.418 χ^2/NDF: 5454336.1/81



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:26.0/22

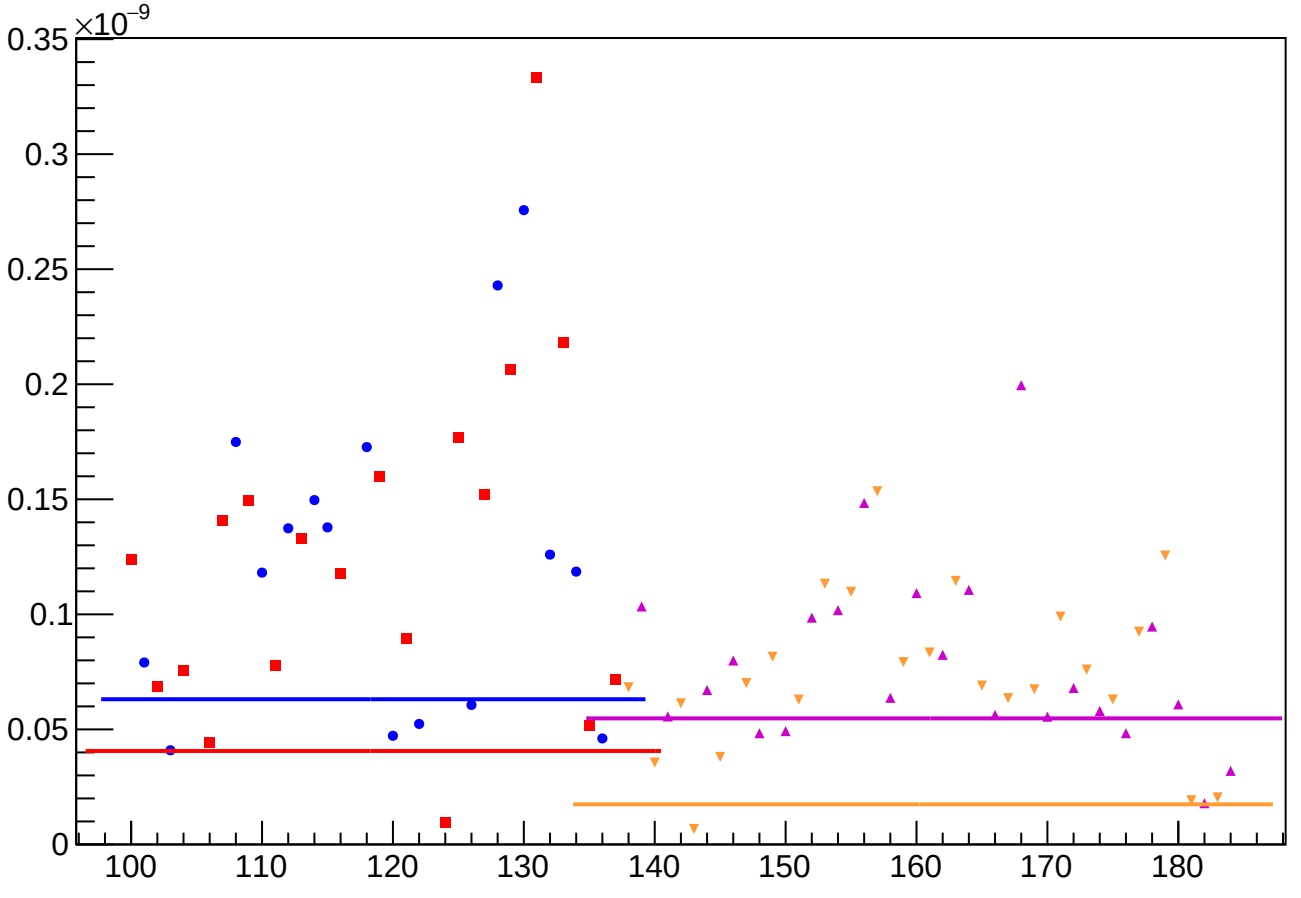
Left: -0.000+/-0.000 χ^2/NDF: 49.3/46

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: 0.000+/-0.000 χ^2/NDF:36.5/38

Out: -0.000+/-0.000 χ^2/NDF:41.6/42

All: -0.000+/-0.000 χ^2/NDF: 78.2/81



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:2798764.9/22

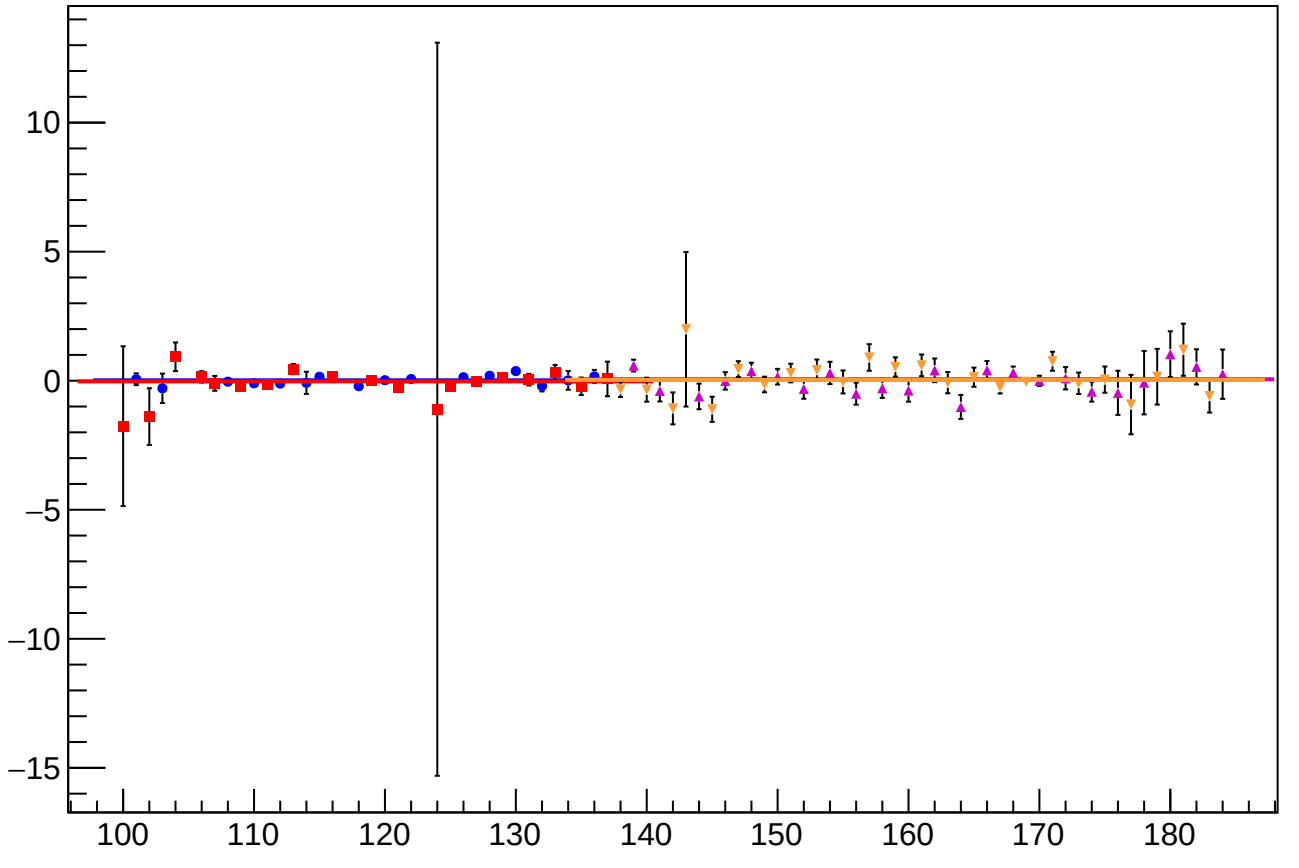
Left: 0.000+/-0.000 χ^2/NDF: 15653854.8/46

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:4285063.7/38

Out: 0.000+/-0.000 χ^2/NDF:12793415.1/42

All: 0.000+/-0.000 χ^2/NDF: 22000919.5/81



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: 0.056+/-0.077 χ^2/NDF:26.1/22

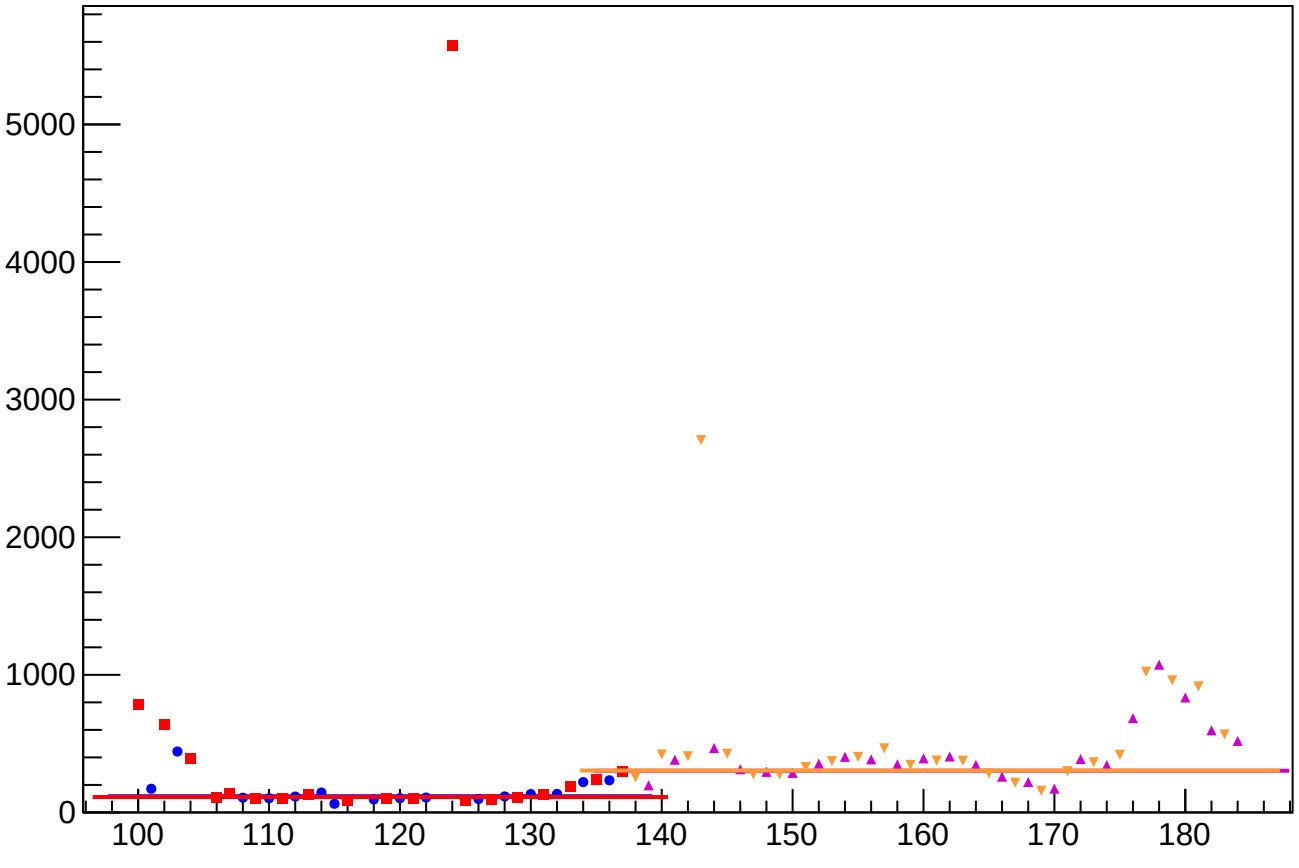
Left: 0.043+/-0.055 χ^2/NDF: 56.0/46

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.027+/-0.041 χ^2/NDF:38.1/38

Out: -0.011+/-0.040 χ^2/NDF:52.4/42

All: 0.008+/-0.029 χ^2/NDF: 90.9/81



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: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 303.996+/-0.039 χ^2/NDF: 11372486.4/46

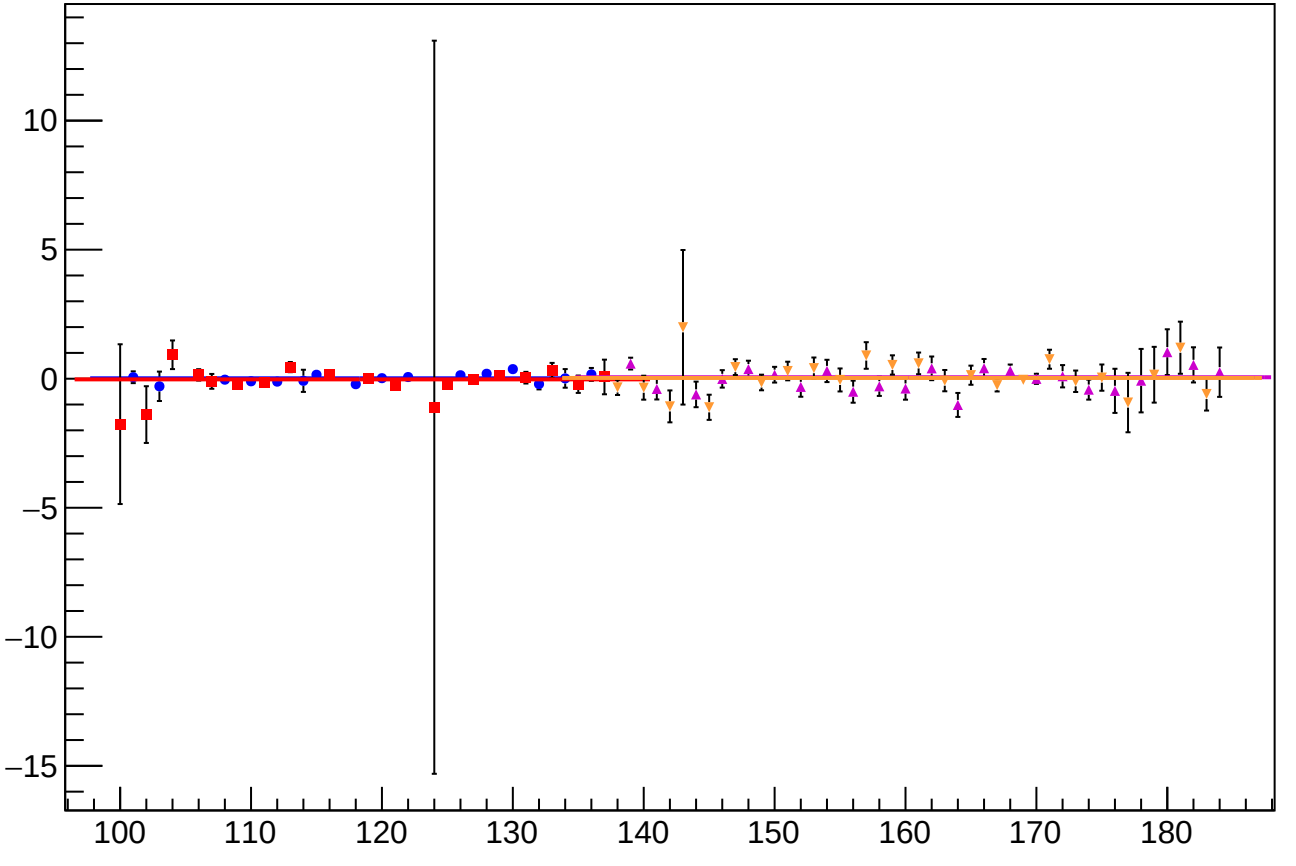
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 169.136+/-0.029 χ^2/NDF:14869112.1/38

Out: 162.998+/-0.028 χ^2/NDF:17676418.0/42

All: 166.026+/-0.020 χ^2/NDF: 32568557.1/81

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.030+/-0.078 χ^2/NDF:29.9/23

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

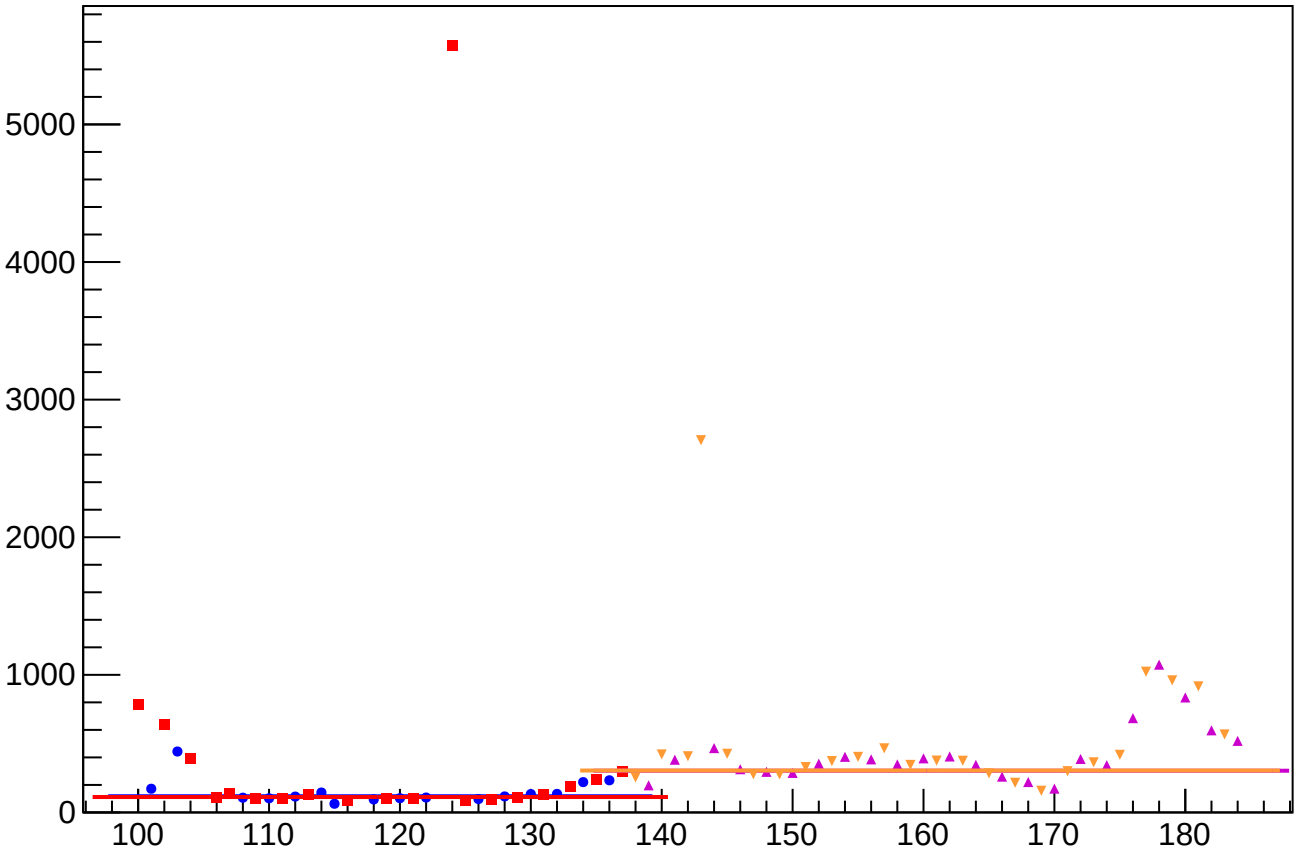
Left: 0.043+/-0.055 χ^2/NDF: 56.0/46

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.027+/-0.041 χ^2/NDF:38.1/38

Out: -0.011+/-0.040 χ^2/NDF:52.4/42

All: 0.008+/-0.029 χ^2/NDF: 90.9/81



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: 303.278+/-0.055 χ^2/NDF:4813442.3/22

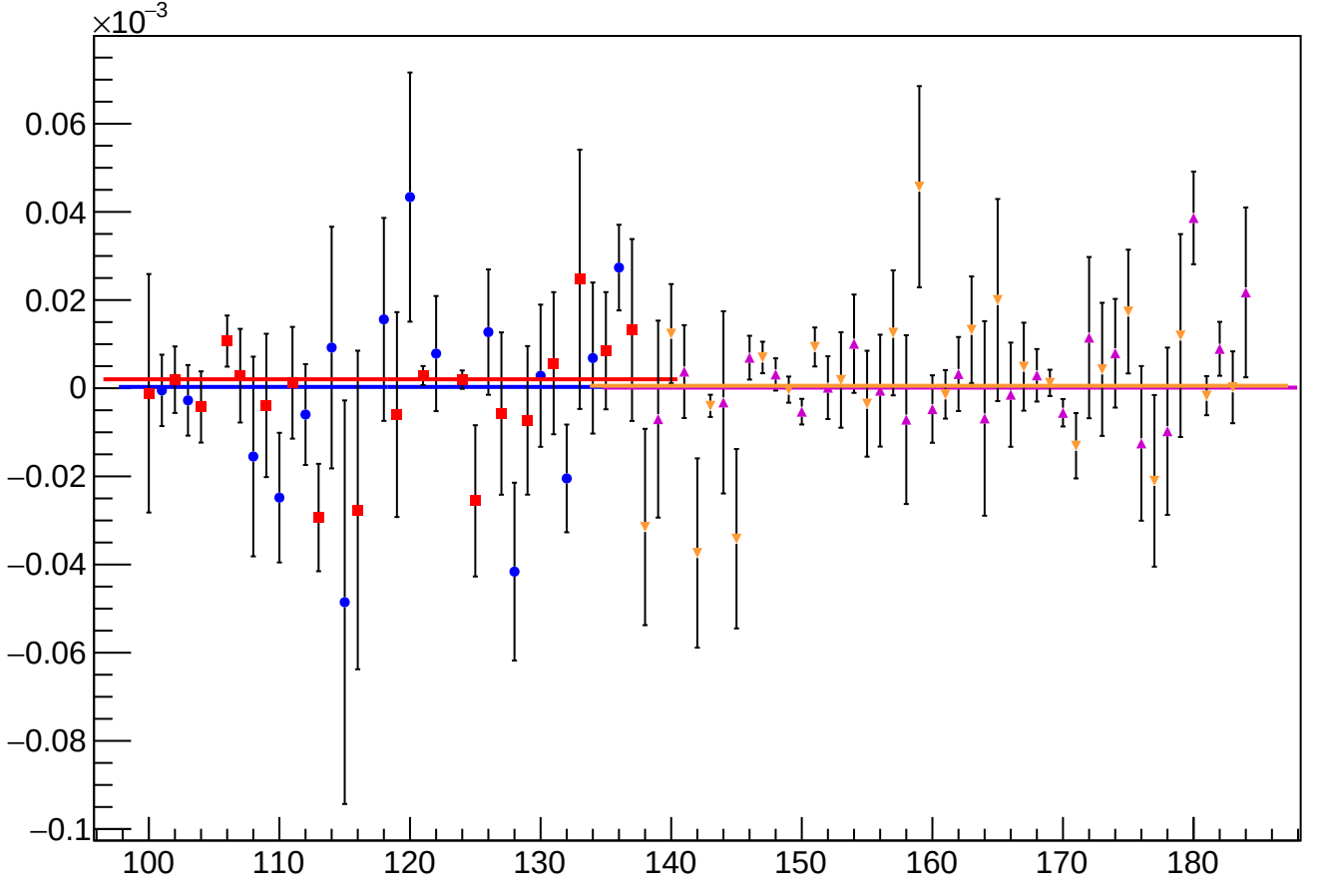
Left: 303.996+/-0.039 χ^2/NDF: 11372486.4/46

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 169.136+/-0.029 χ^2/NDF:14869112.1/38

Out: 162.998+/-0.028 χ^2/NDF:17676418.0/42

All: 166.026+/-0.020 χ^2/NDF: 32568557.1/81



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:29.8/22

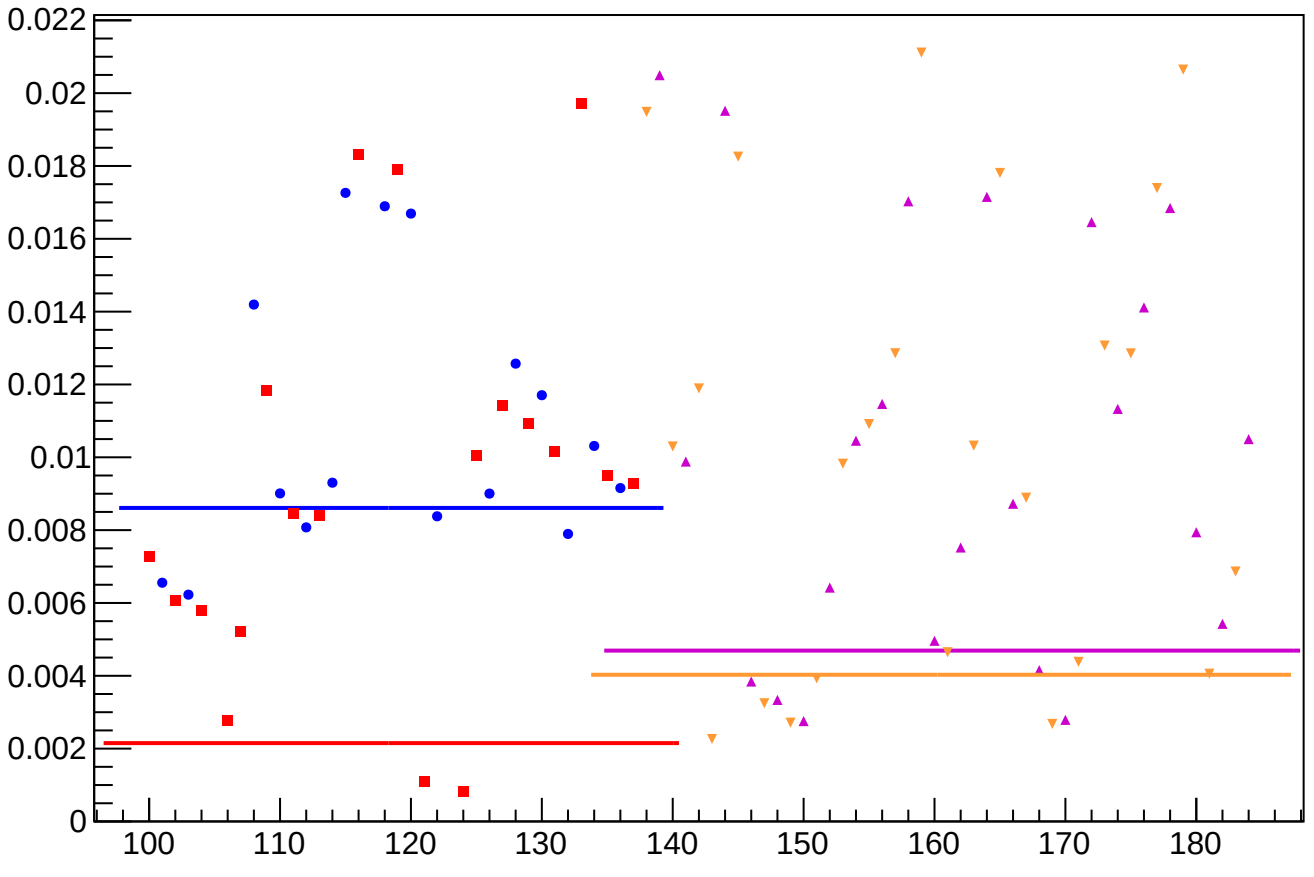
Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: 0.000+/-0.000 χ^2/NDF:53.9/38

Out: 0.000+/-0.000 χ^2/NDF:48.8/42

All: 0.000+/-0.000 χ^2/NDF: 103.1/81



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:10859759.8/22

Left: 0.004+/-0.000 χ^2/NDF: 24459163.8/46

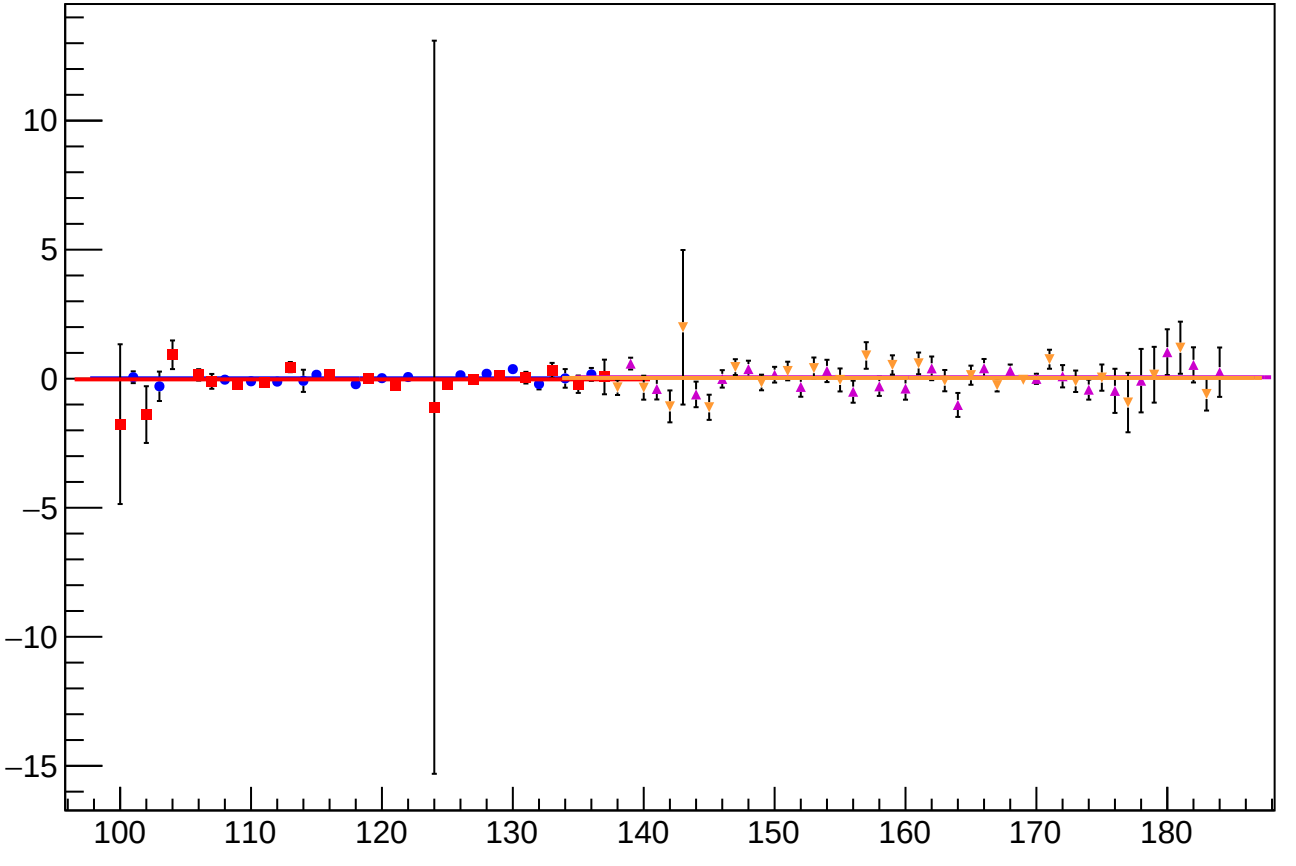
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:14274077.6/38

Out: 0.003+/-0.000 χ^2/NDF:24616432.7/42

All: 0.004+/-0.000 χ^2/NDF: 42373392.8/81

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: 0.056+/-0.077 χ^2/NDF:26.0/22

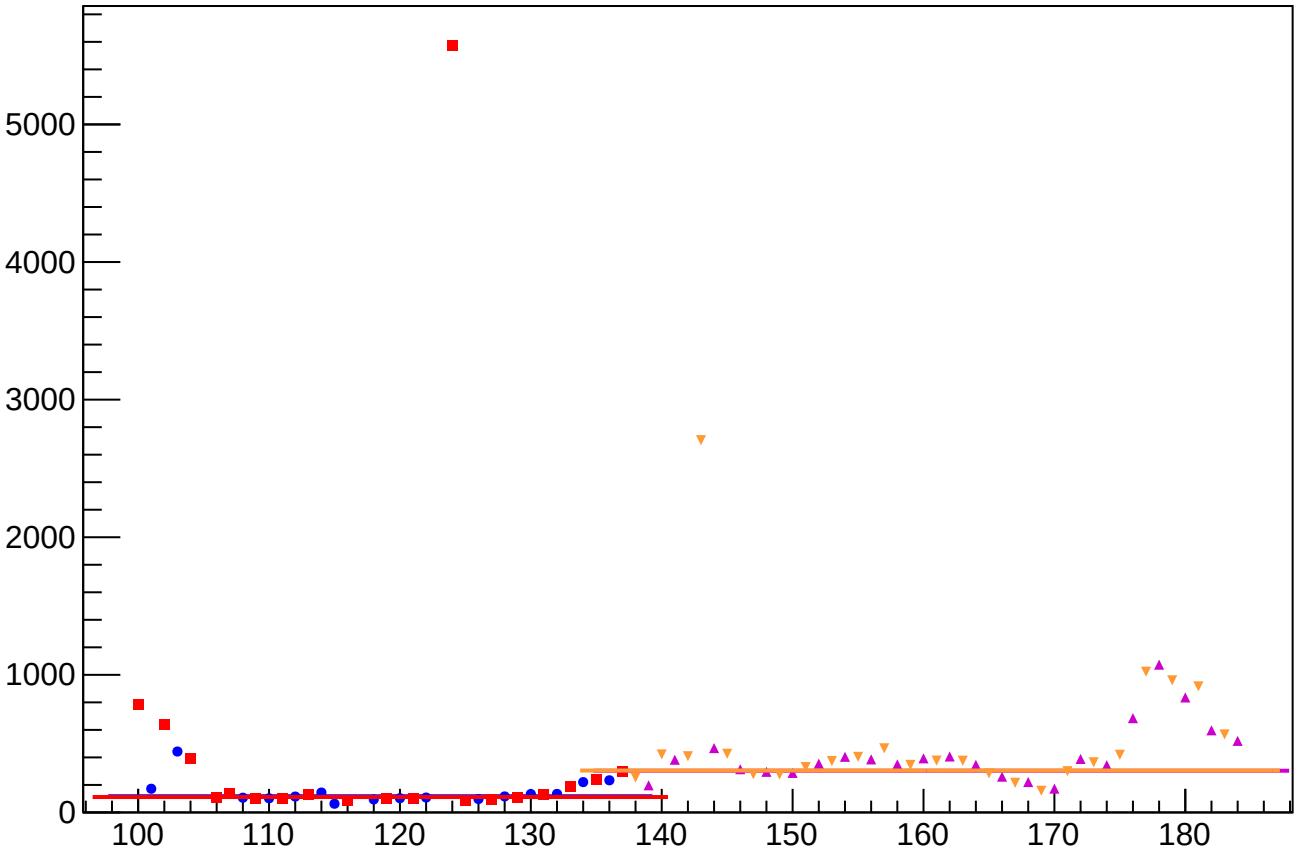
Left: 0.043+/-0.055 χ^2/NDF: 56.0/46

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.027+/-0.041 χ^2/NDF:38.1/38

Out: -0.011+/-0.040 χ^2/NDF:52.4/42

All: 0.008+/-0.029 χ^2/NDF: 90.9/81



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: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 303.999+/-0.039 χ^2/NDF: 11372538.0/46

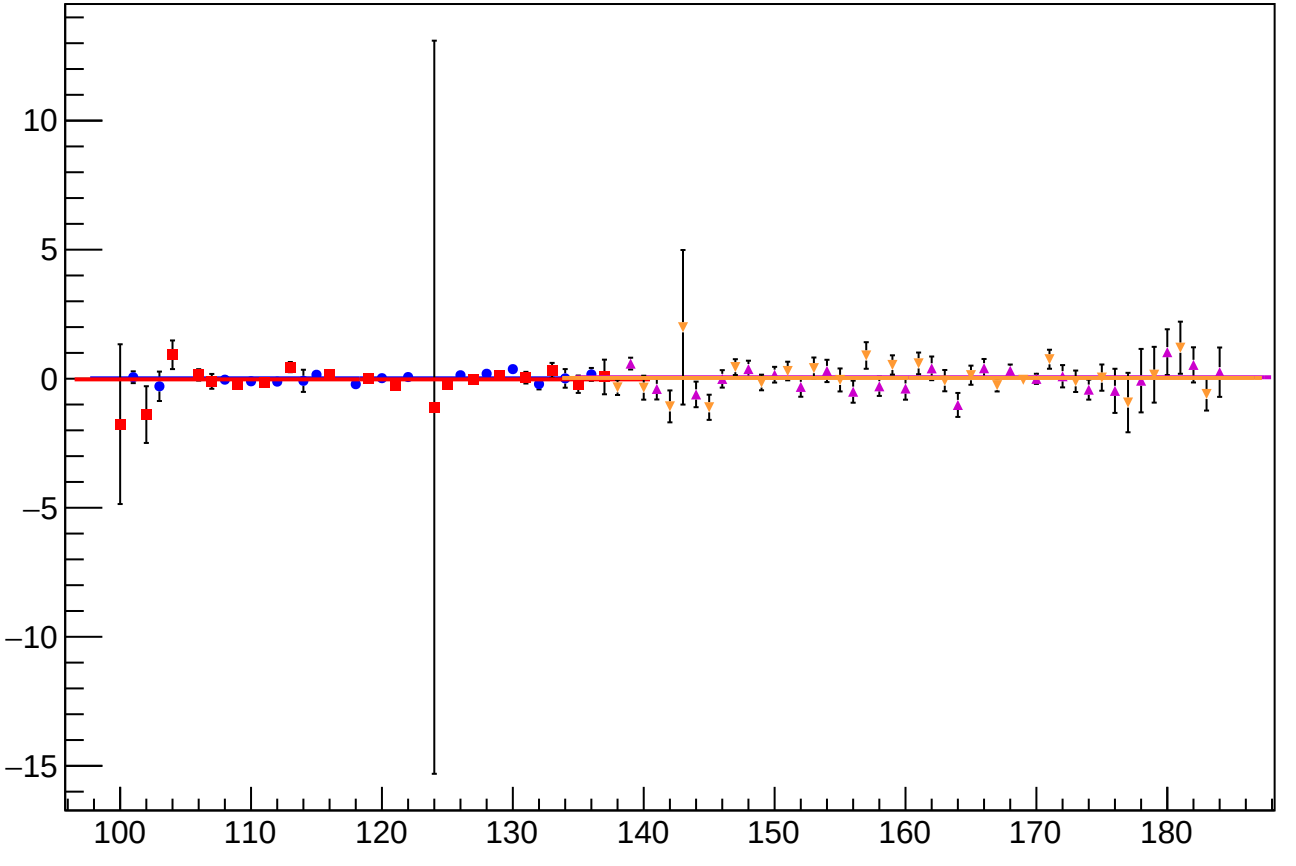
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 169.136+/-0.029 χ^2/NDF:14869208.2/38

Out: 163.000+/-0.028 χ^2/NDF:17676285.8/42

All: 166.028+/-0.020 χ^2/NDF: 32568506.8/81

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: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.043+/-0.055 χ^2/NDF: 56.0/46

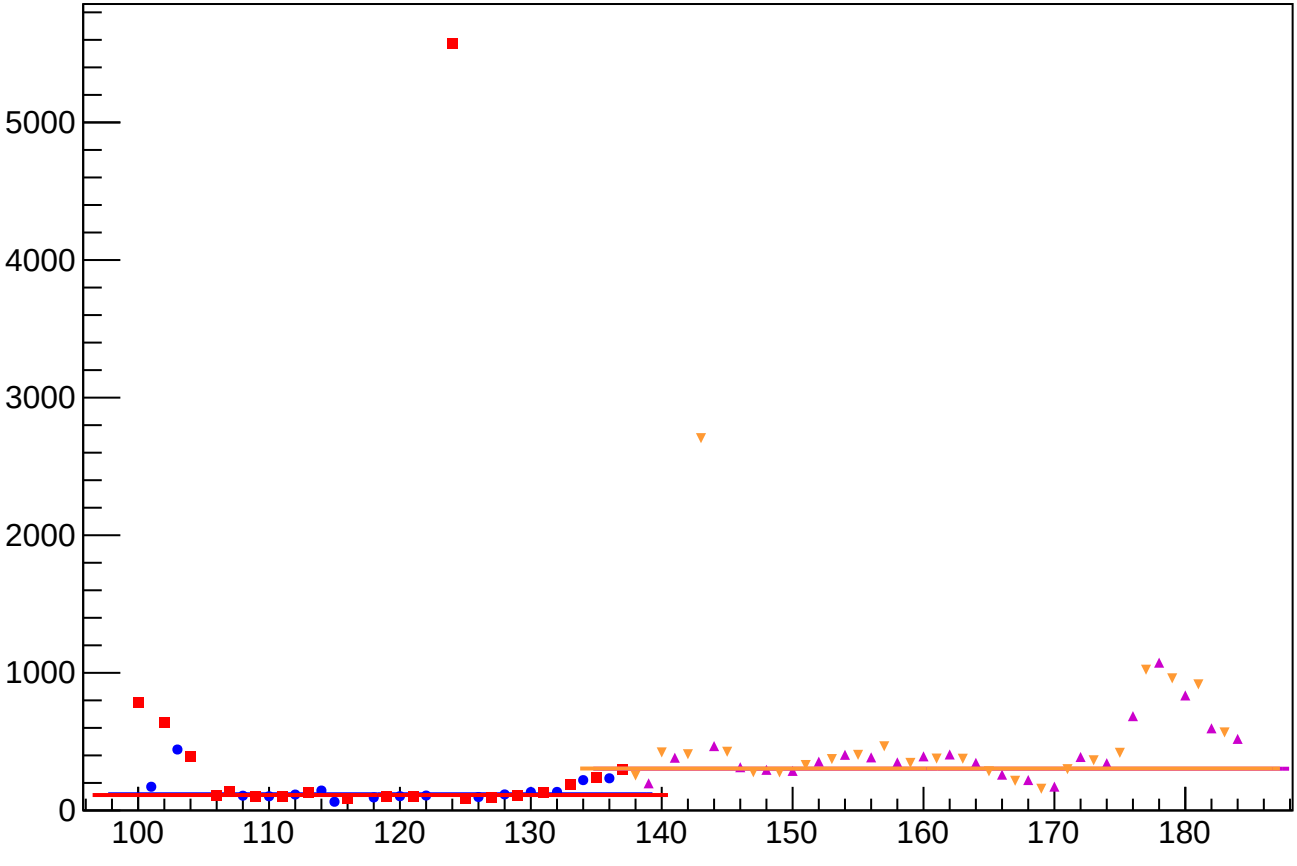
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.027+/-0.041 χ^2/NDF:38.1/38

Out: -0.011+/-0.040 χ^2/NDF:52.4/42

All: 0.008+/-0.029 χ^2/NDF: 90.9/81

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: 303.281+/-0.055 χ^2/NDF:4813426.5/22

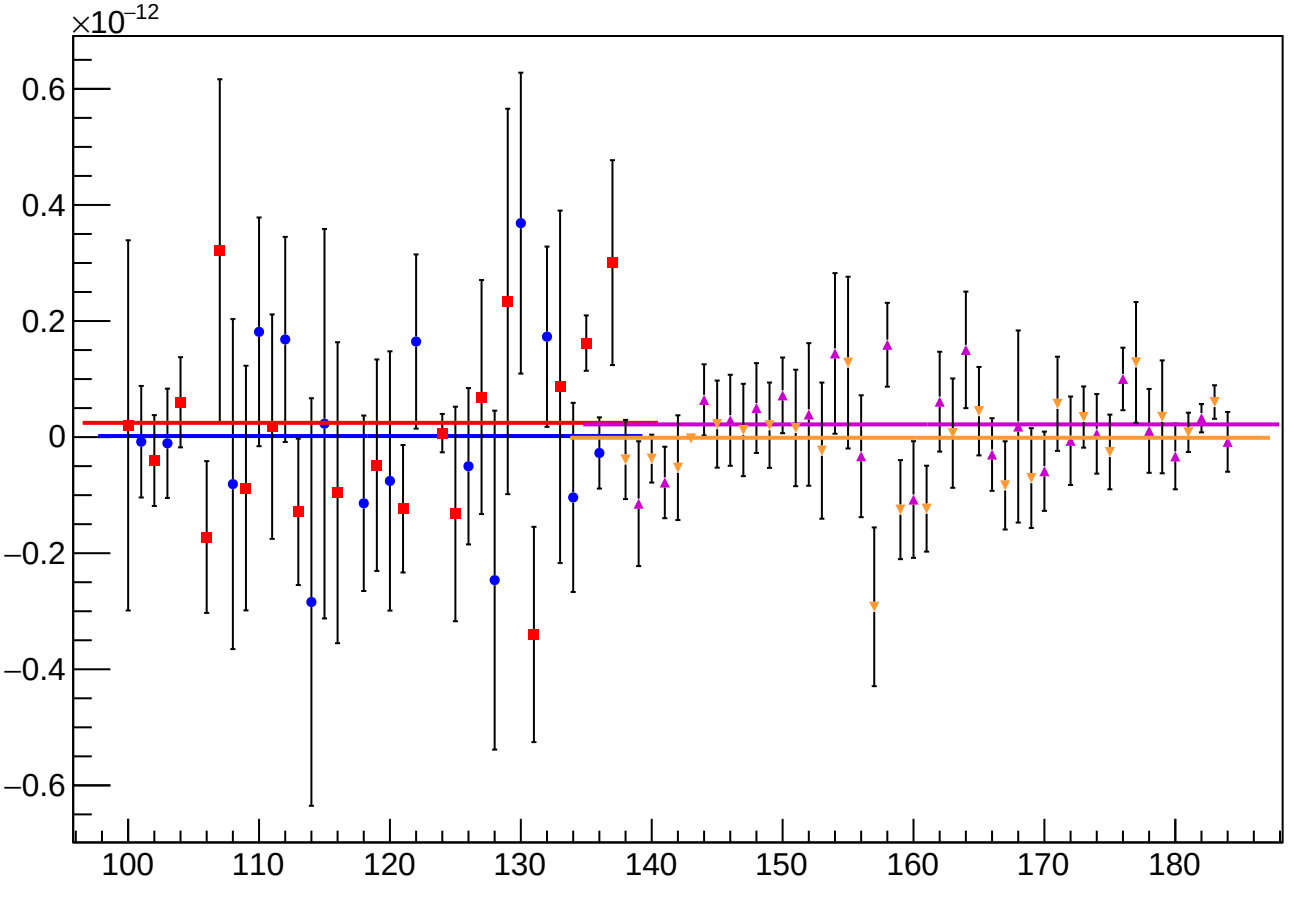
Left: 303.999+/-0.039 χ^2/NDF: 11372538.0/46

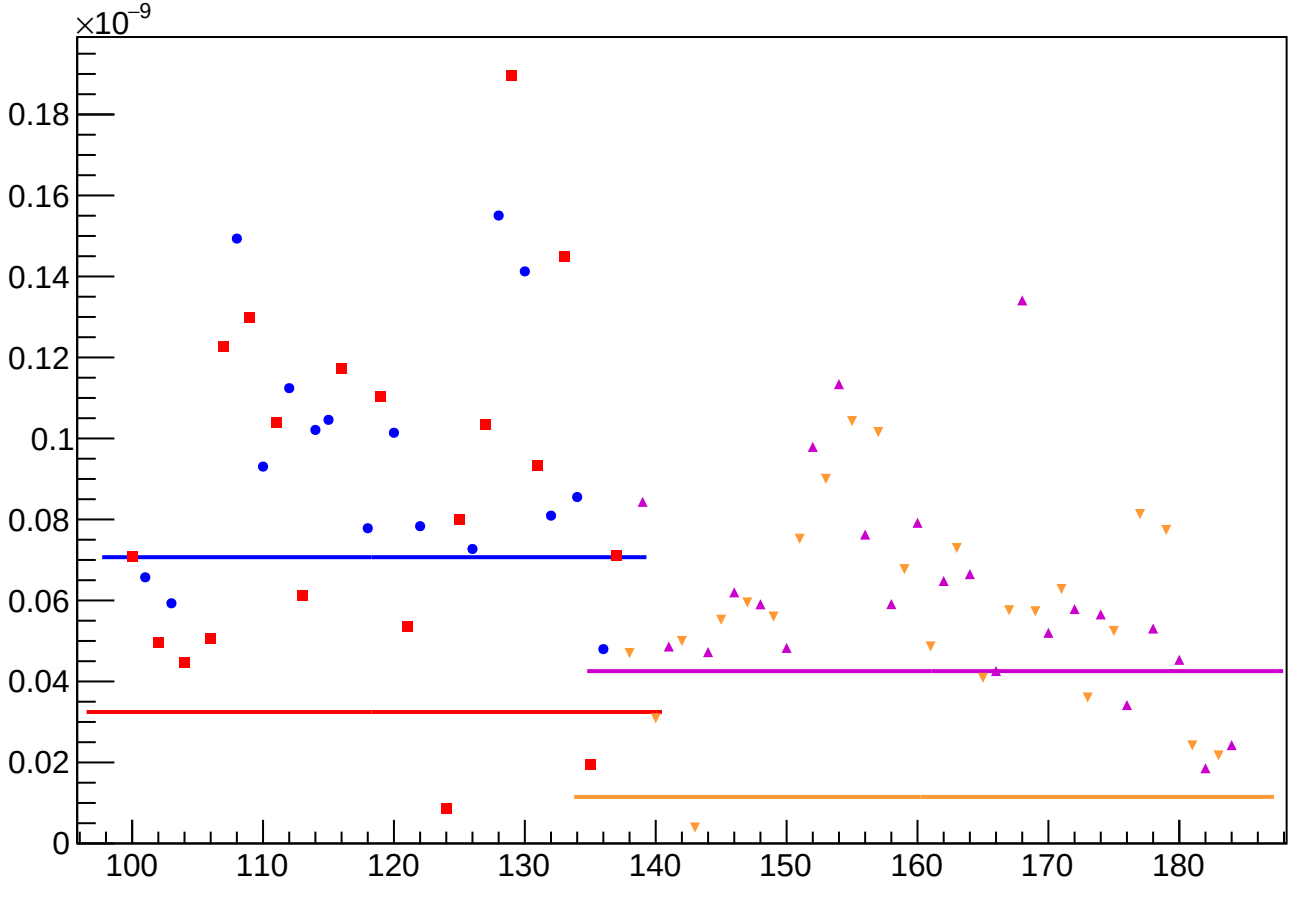
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 169.136+/-0.029 χ^2/NDF:14869208.2/38

Out: 163.000+/-0.028 χ^2/NDF:17676285.8/42

All: 166.028+/-0.020 χ^2/NDF: 32568506.8/81


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:19.5/22
Left: 0.000+/-0.000 χ²/NDF: 43.5/46
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: 0.000+/-0.000 χ²/NDF:29.0/38
Out: 0.000+/-0.000 χ²/NDF:47.0/42
All: 0.000+/-0.000 χ²/NDF: 77.8/81



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:5419961.9/22

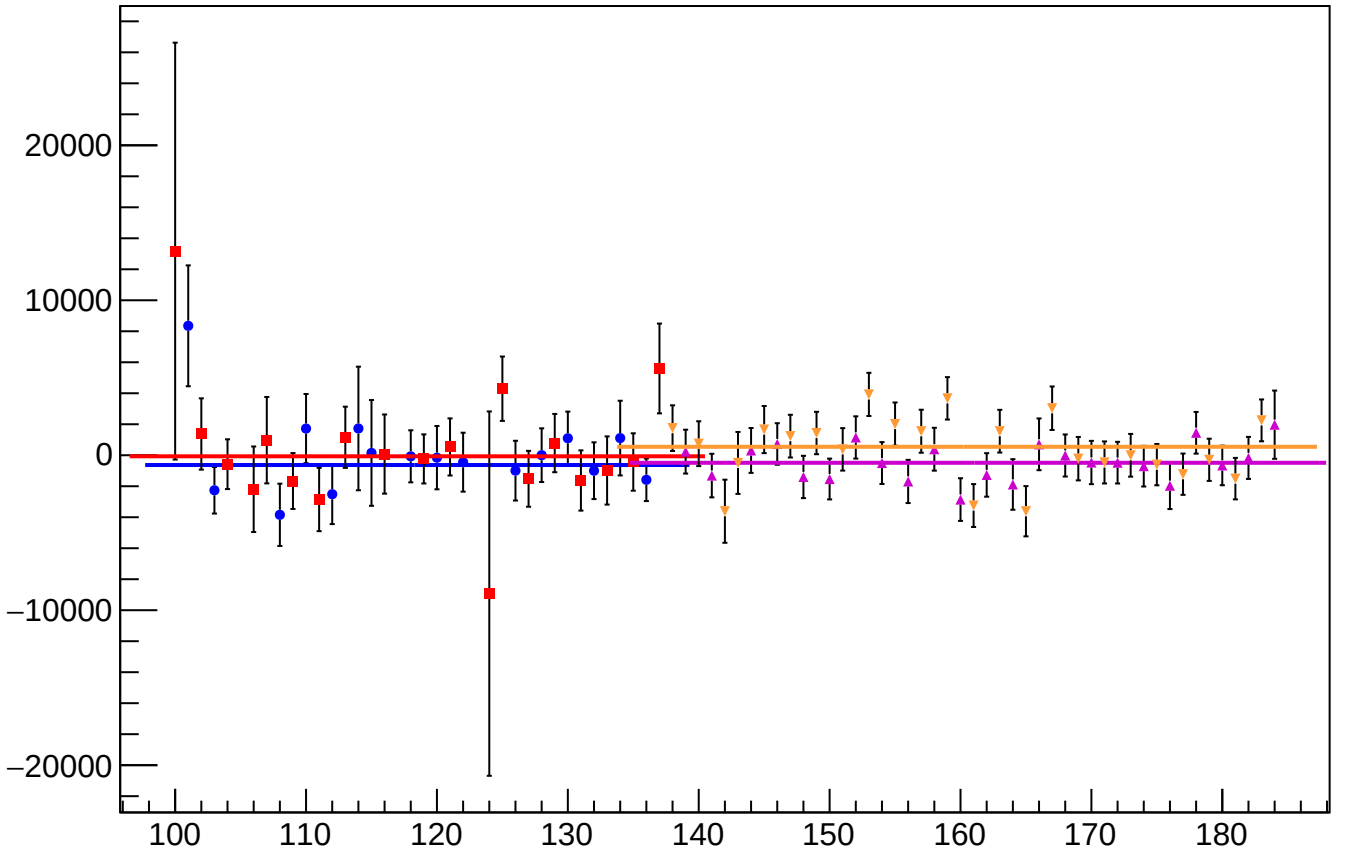
Left: 0.000+/-0.000 χ^2/NDF: 32288792.1/46

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:7605701.1/38

Out: 0.000+/-0.000 χ^2/NDF:23876068.1/42

All: 0.000+/-0.000 χ^2/NDF: 43403401.4/81



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: -486.821+/-293.769 χ^2/NDF:14.4/22

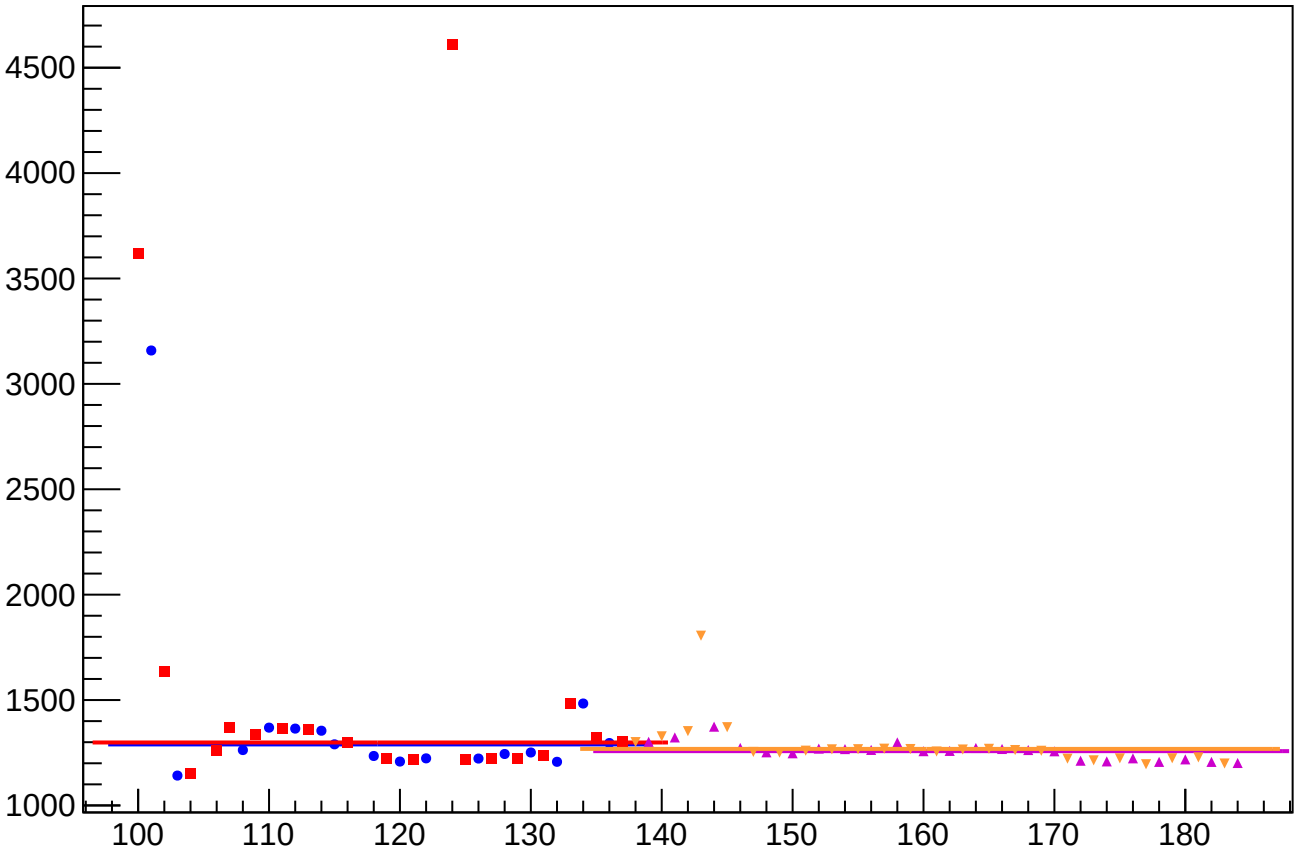
Left: 34.555+/-206.641 χ^2/NDF: 65.4/46

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -525.107+/-251.775 χ^2/NDF:28.4/38

Out: 384.539+/-249.730 χ^2/NDF:61.7/42

All: -66.575+/-177.304 χ^2/NDF: 96.7/81



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: 1257.551+/-0.208 χ^2/NDF:36816.4/22

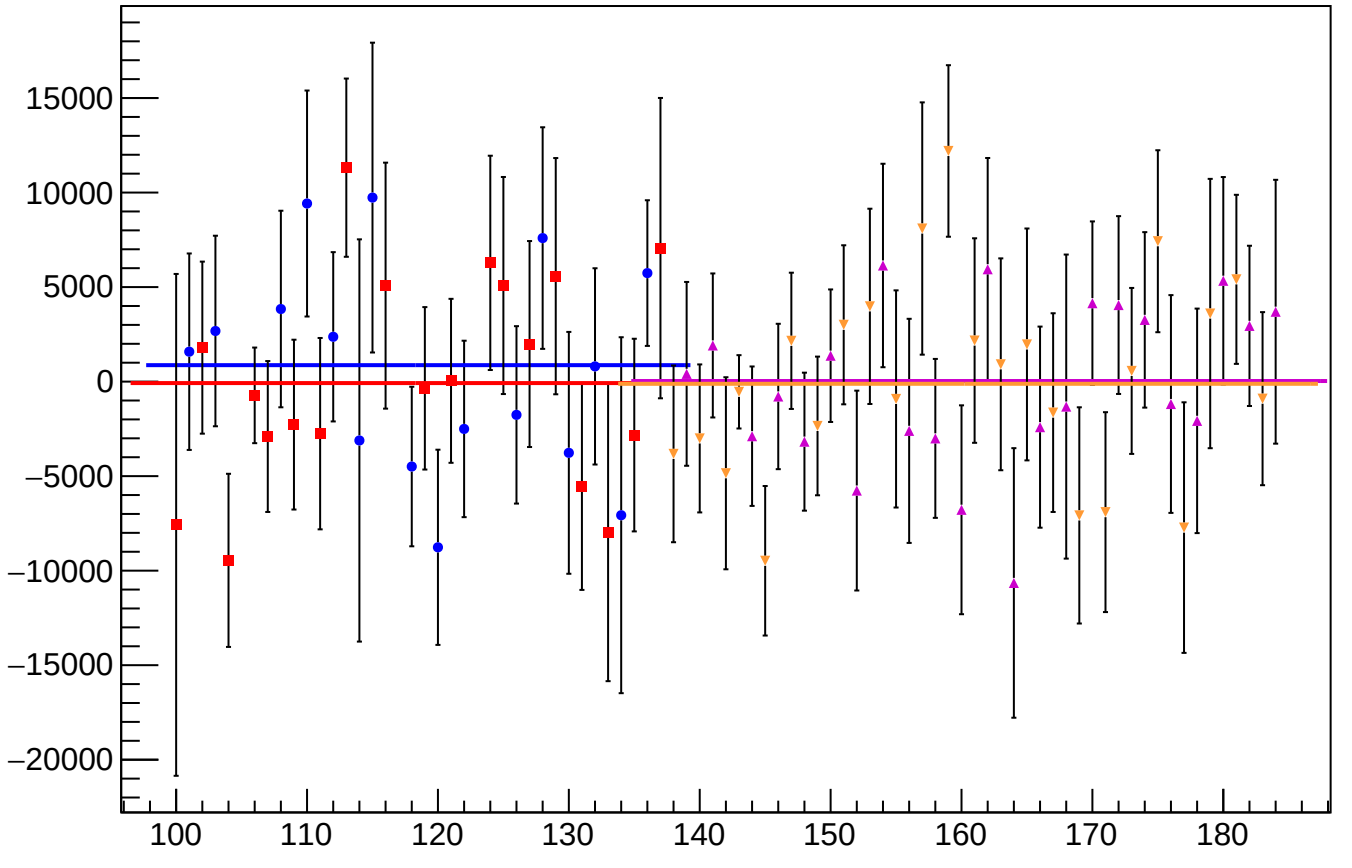
Left: 1262.922+/-0.146 χ^2/NDF: 223398.2/46

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1266.024+/-0.178 χ^2/NDF:557757.7/38

Out: 1276.202+/-0.176 χ^2/NDF:510415.6/42

All: 1271.158+/-0.125 χ^2/NDF: 1069822.0/81



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: 31.593+/-995.348 χ^2/NDF:14.0/22

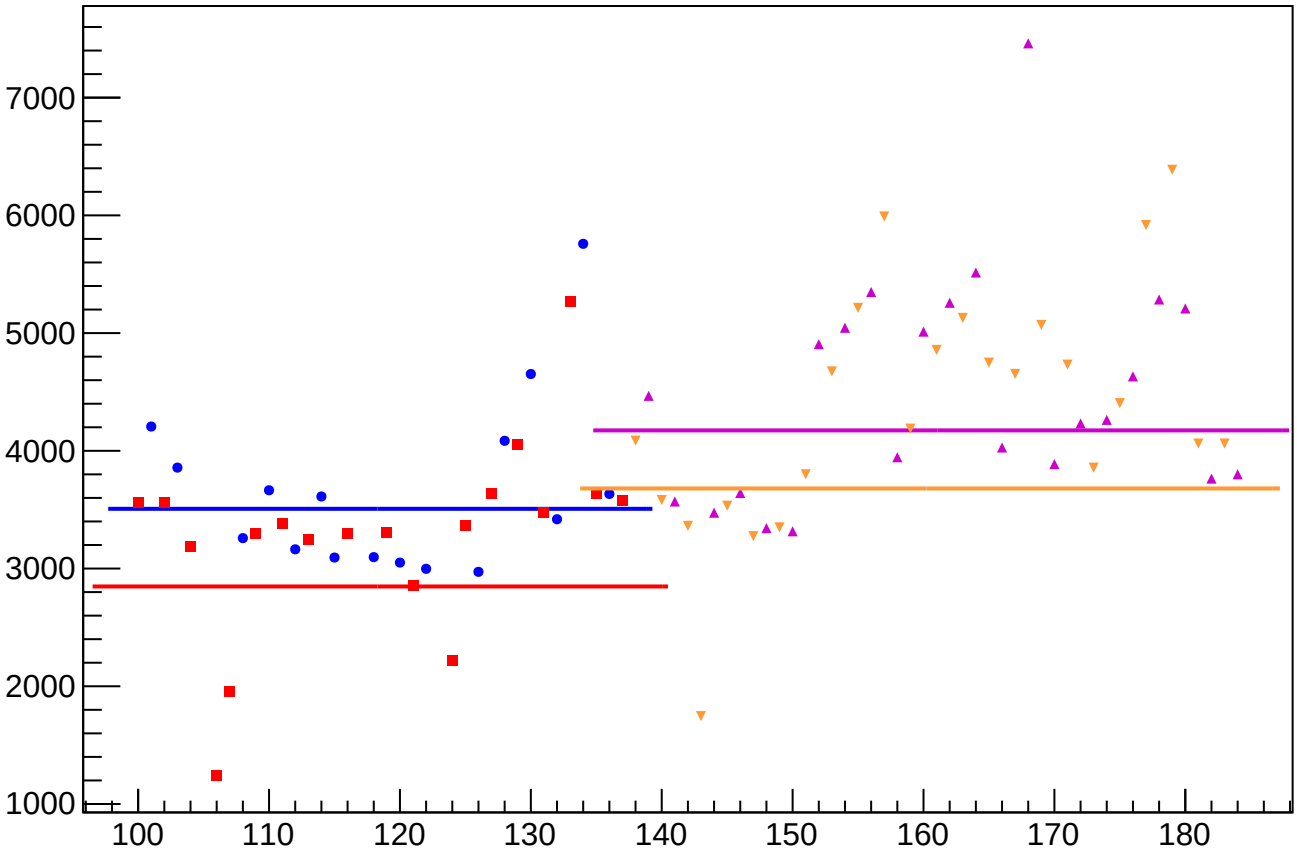
Left: -50.140+/-664.301 χ^2/NDF: 41.8/46

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 334.066+/-795.878 χ^2/NDF:28.3/38

Out: -100.711+/-695.597 χ^2/NDF:46.1/42

All: 87.576+/-523.750 χ^2/NDF: 74.6/81



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: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

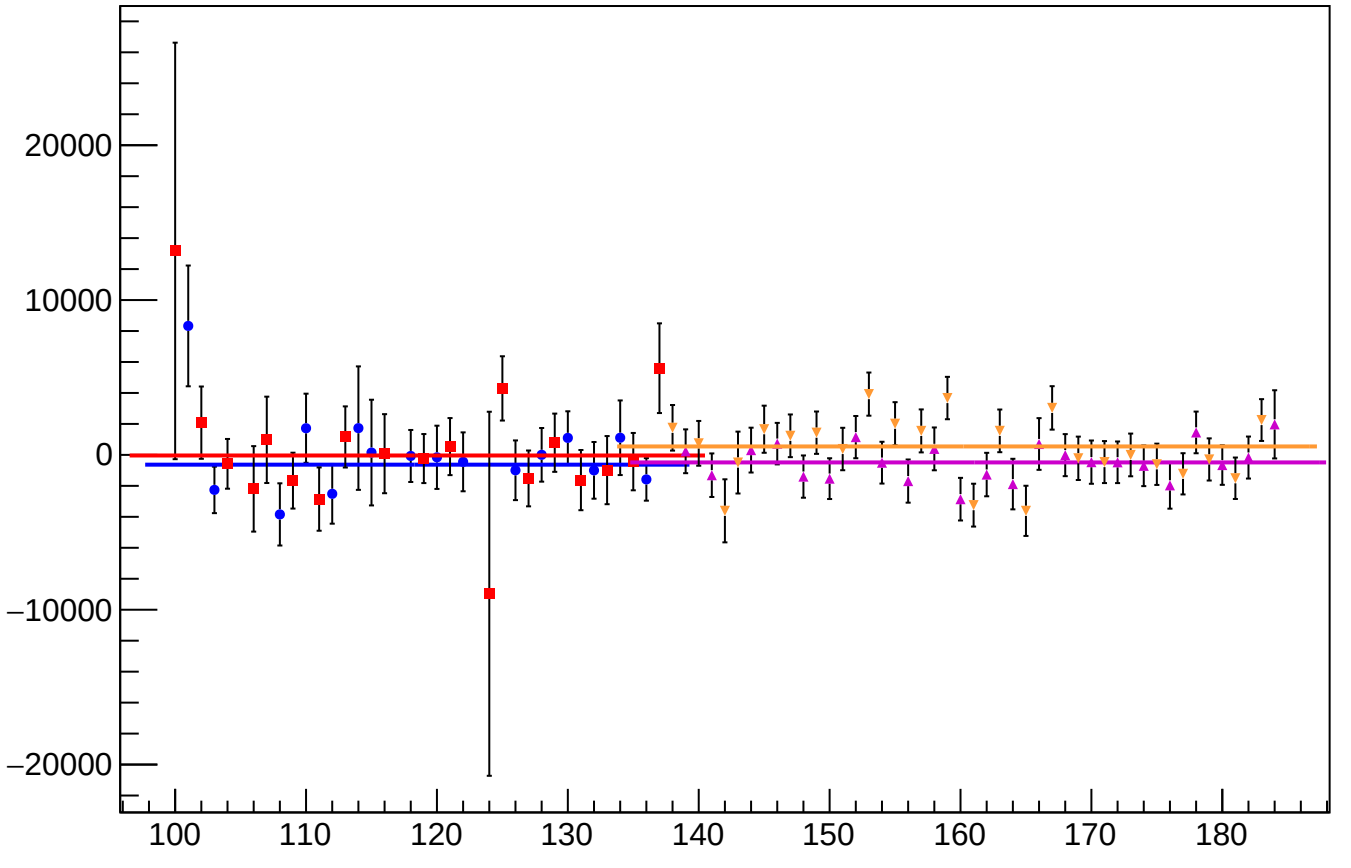
Left: 3899.976+/-0.470 χ^2/NDF: 5236912.5/46

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3933.310+/-0.563 χ^2/NDF:1952031.0/38

Out: 3353.977+/-0.492 χ^2/NDF:5871439.9/42

All: 3604.866+/-0.370 χ^2/NDF: 8424266.0/81



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: -486.720+/-293.769 χ^2/NDF:14.4/22

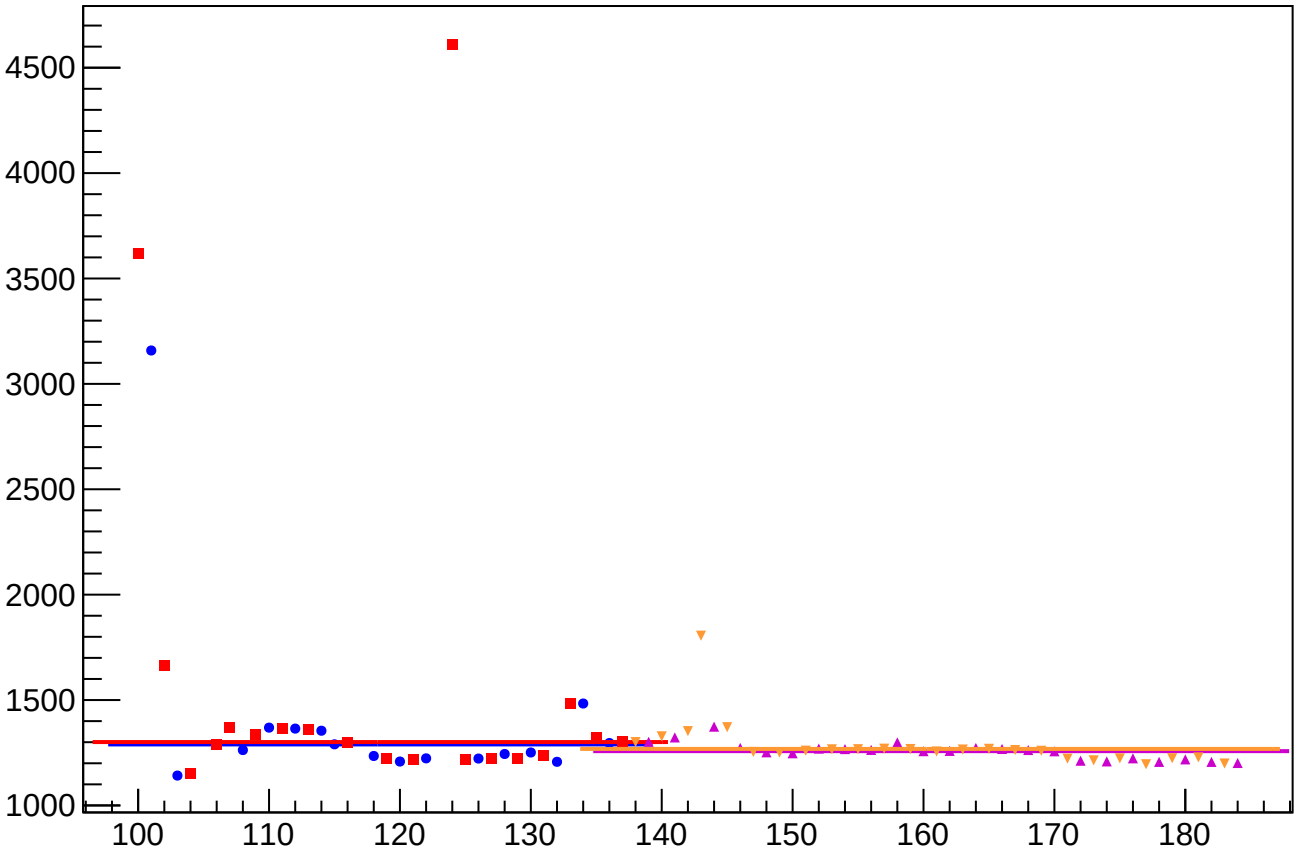
Left: 34.616+/-206.641 χ^2/NDF: 65.4/46

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -525.134+/-251.775 χ^2/NDF:28.4/38

Out: 392.313+/-249.773 χ^2/NDF:62.1/42

All: -62.750+/-177.320 χ^2/NDF: 97.2/81



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: 1257.551+/-0.208 χ^2/NDF:36816.3/22

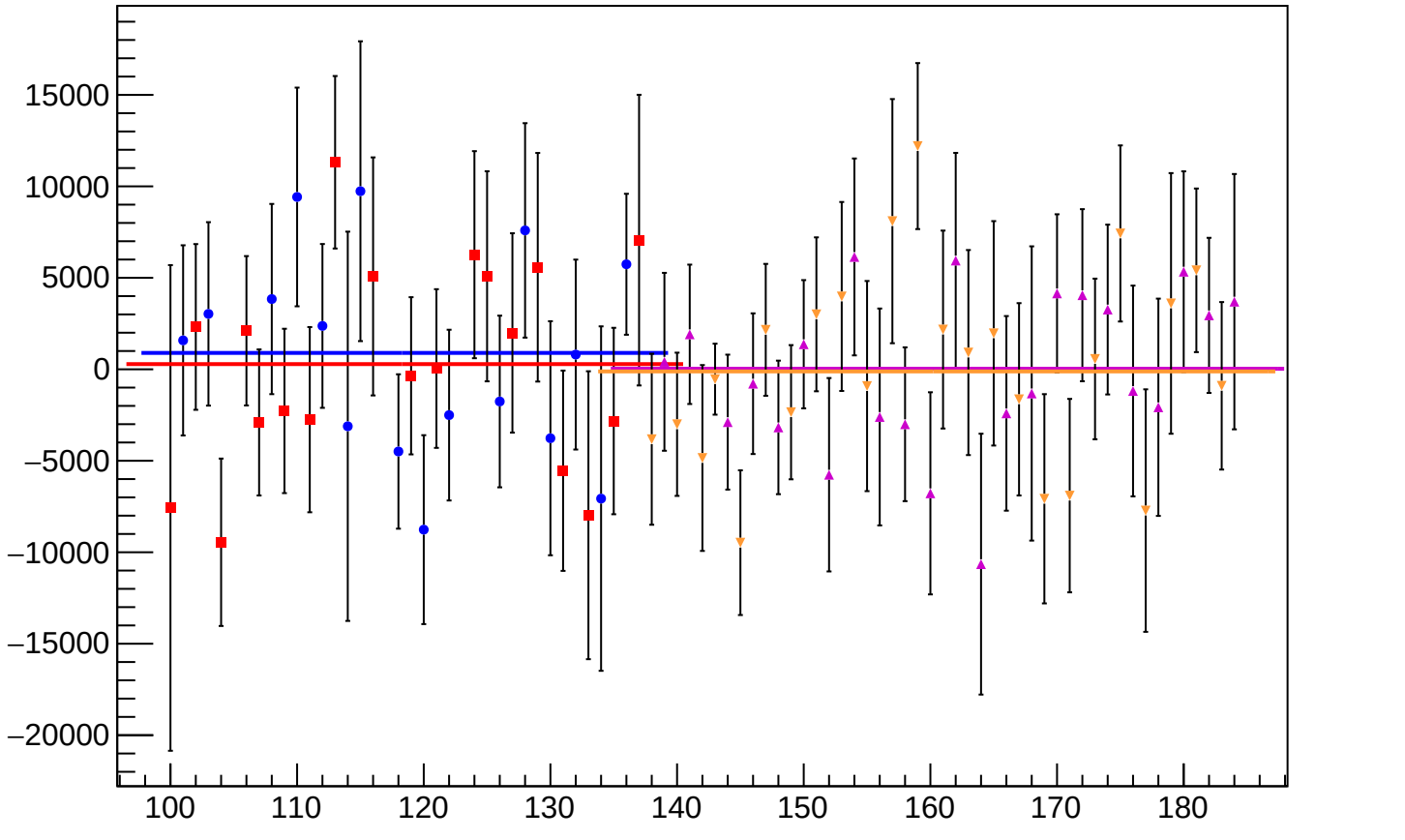
Left: 1262.923+/-0.146 χ^2/NDF: 223398.1/46

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.024+/-0.178 χ^2/NDF:557759.1/38

Out: 1276.718+/-0.177 χ^2/NDF:517729.9/42

All: 1271.416+/-0.125 χ^2/NDF: 1077308.3/81



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: 31.597+/-995.347 χ^2/NDF:14.0/22

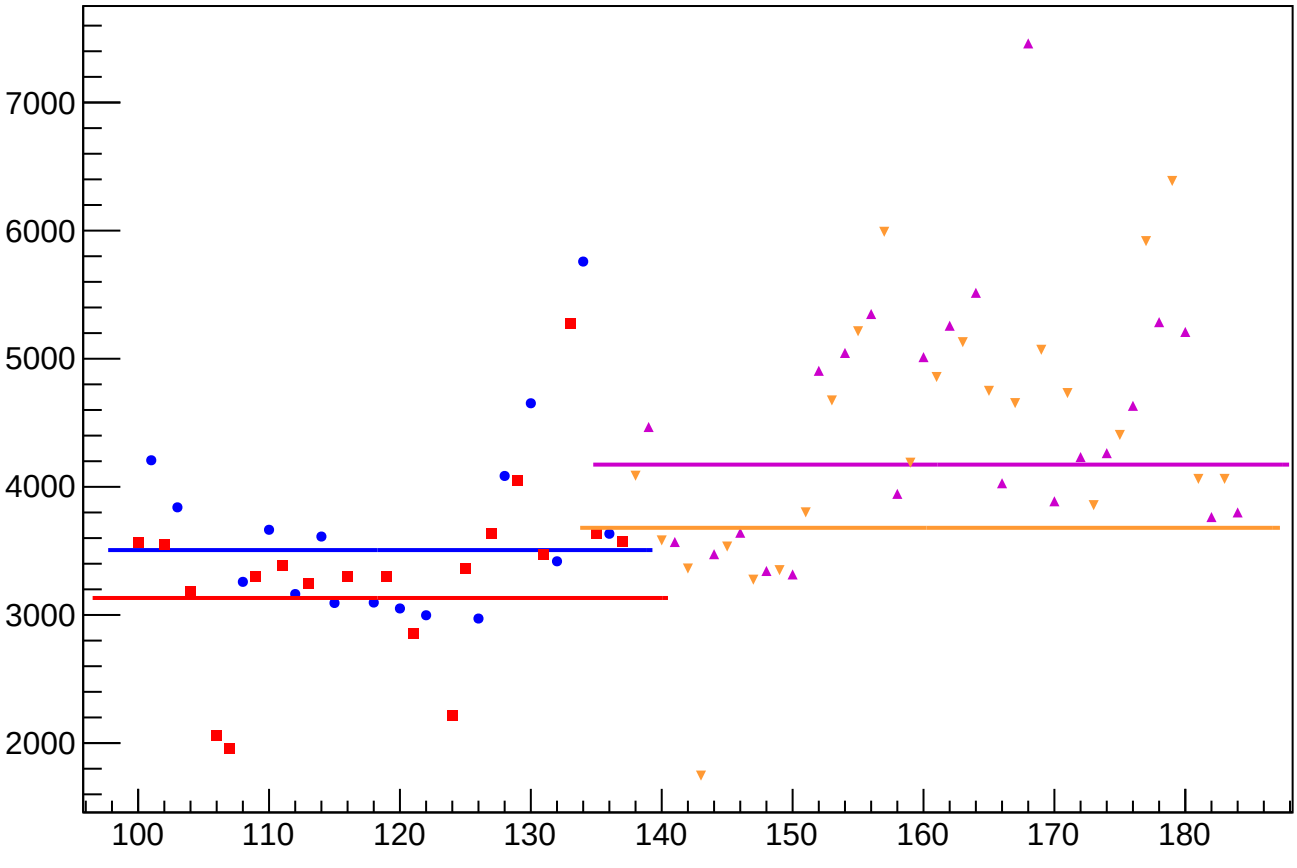
Left: -50.100+/-664.301 χ^2/NDF: 41.8/46

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 343.481+/-795.778 χ^2/NDF:28.4/38

Out: 29.134+/-712.285 χ^2/NDF:46.4/42

All: 168.957+/-530.734 χ^2/NDF: 74.9/81



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: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

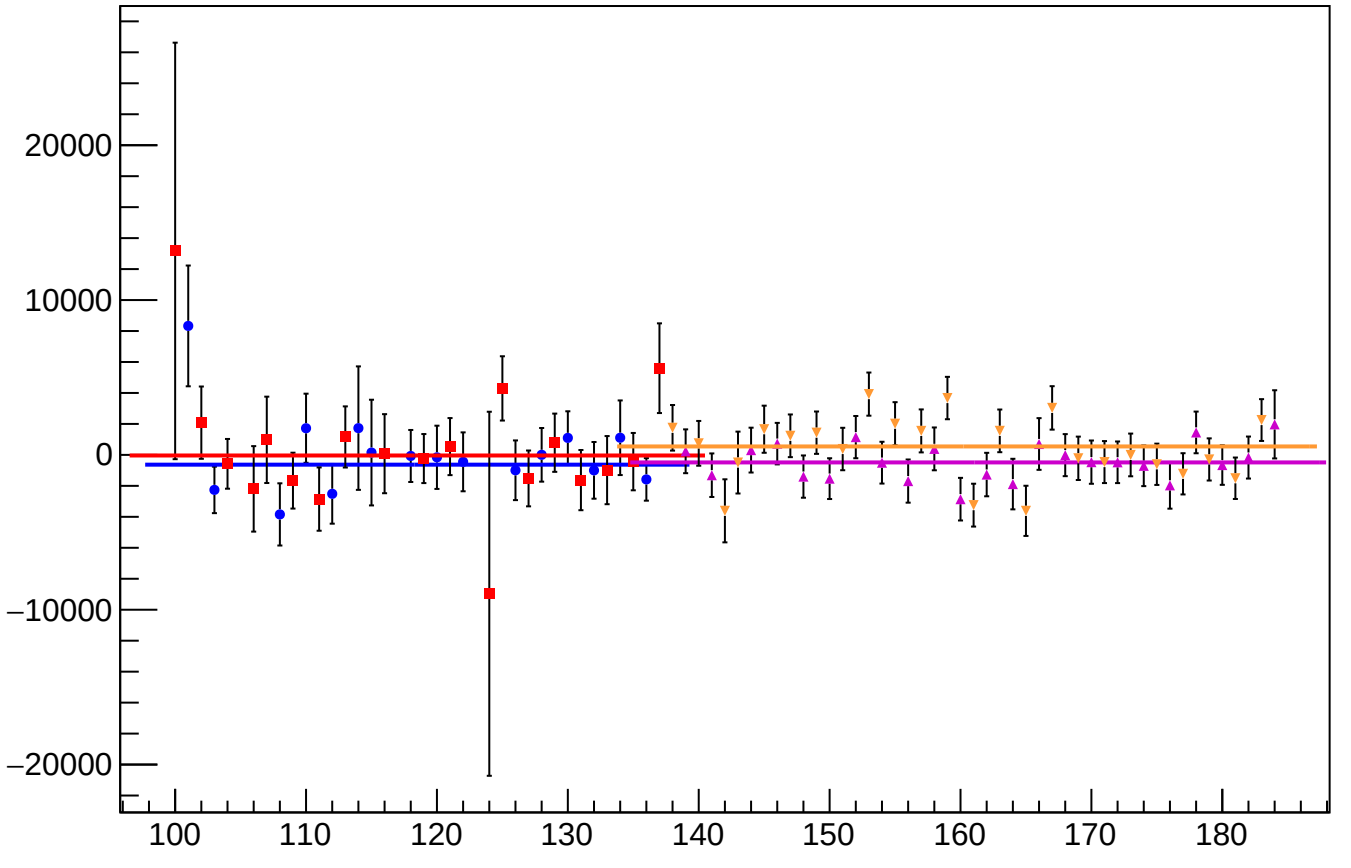
Left: 3899.969+/-0.470 χ^2/NDF: 5236953.4/46

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3932.871+/-0.563 χ^2/NDF:1952311.5/38

Out: 3481.752+/-0.504 χ^2/NDF:4612329.7/42

All: 3682.412+/-0.375 χ^2/NDF: 6921482.0/81



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: -486.720+/-293.769 χ^2/NDF:14.4/22

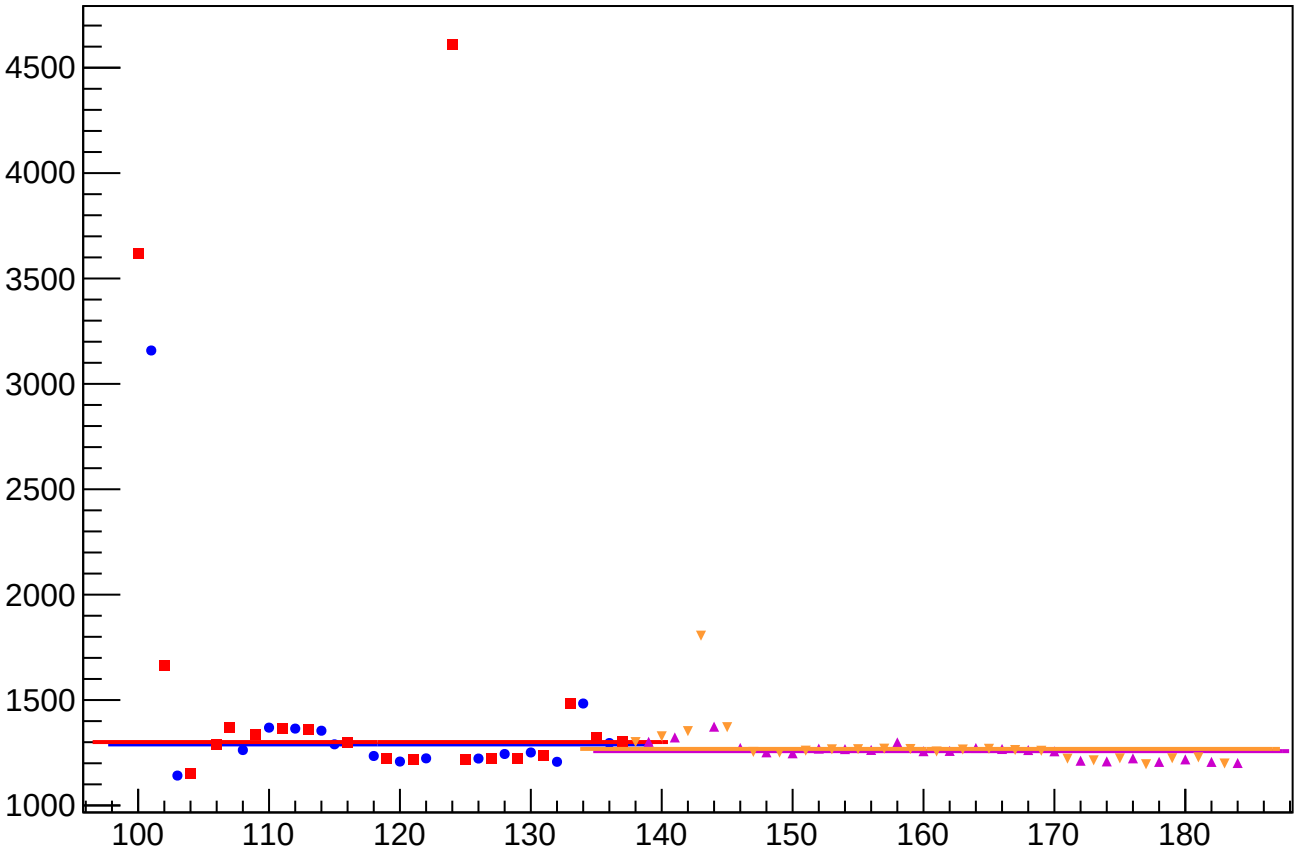
Left: 34.616+/-206.641 χ^2/NDF: 65.4/46

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -525.134+/-251.775 χ^2/NDF:28.4/38

Out: 392.313+/-249.773 χ^2/NDF:62.1/42

All: -62.750+/-177.320 χ^2/NDF: 97.2/81



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: 1257.551+/-0.208 χ^2/NDF:36816.3/22

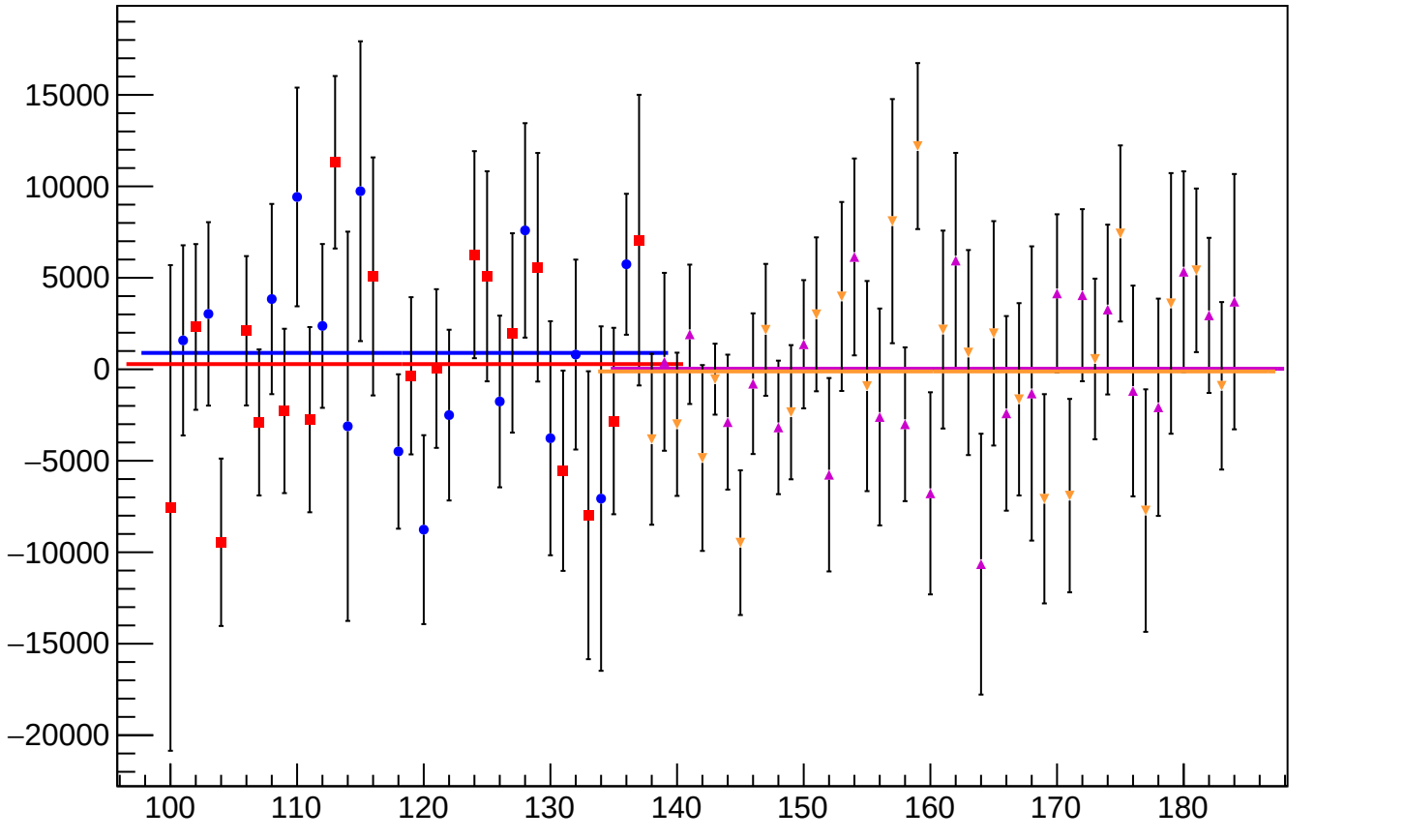
Left: 1262.923+/-0.146 χ^2/NDF: 223398.1/46

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.024+/-0.178 χ^2/NDF:557759.1/38

Out: 1276.718+/-0.177 χ^2/NDF:517729.9/42

All: 1271.416+/-0.125 χ^2/NDF: 1077308.3/81



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: 31.597+/-995.347 χ^2/NDF:14.0/22

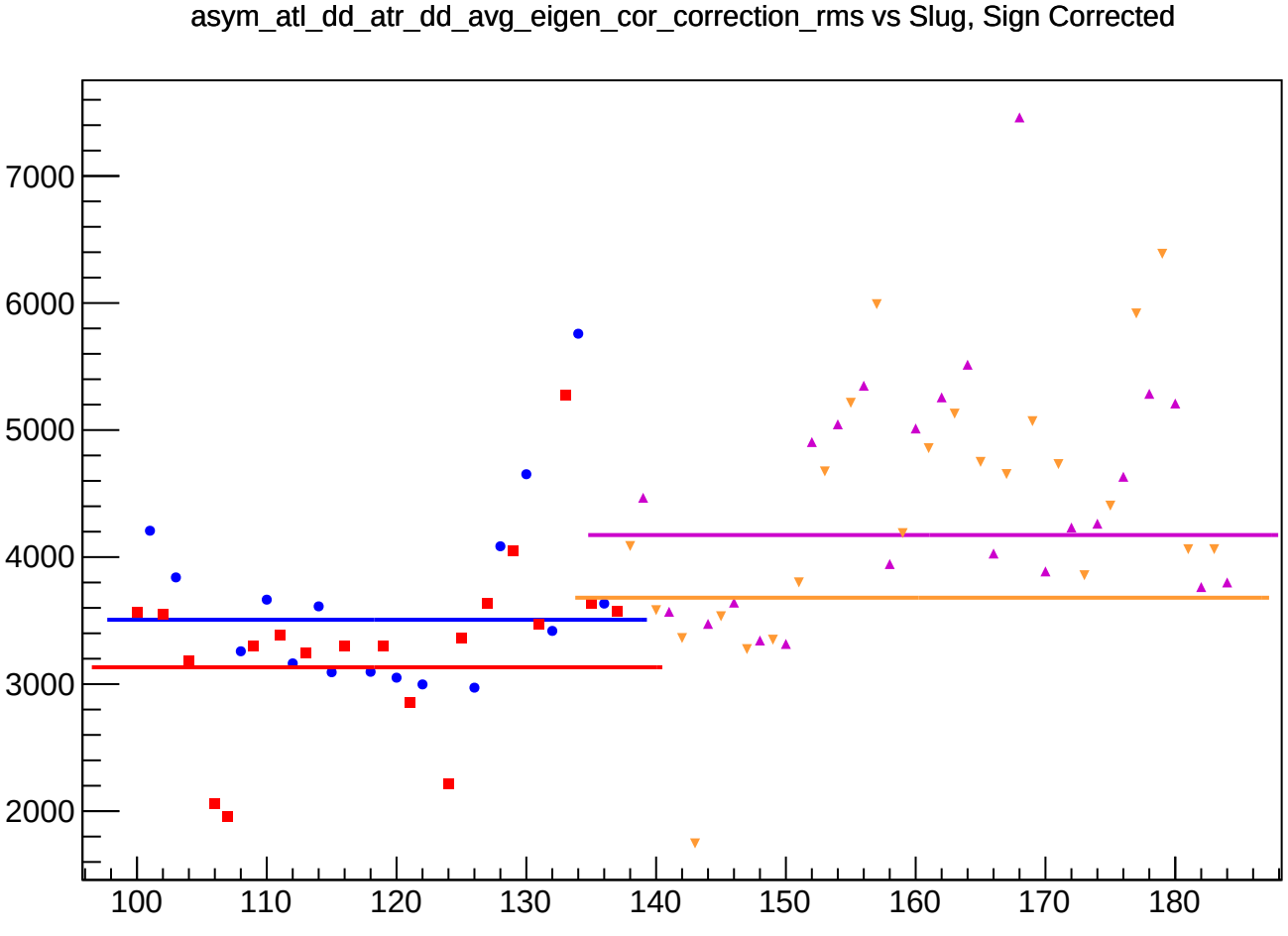
Left: -50.100+/-664.301 χ^2/NDF: 41.8/46

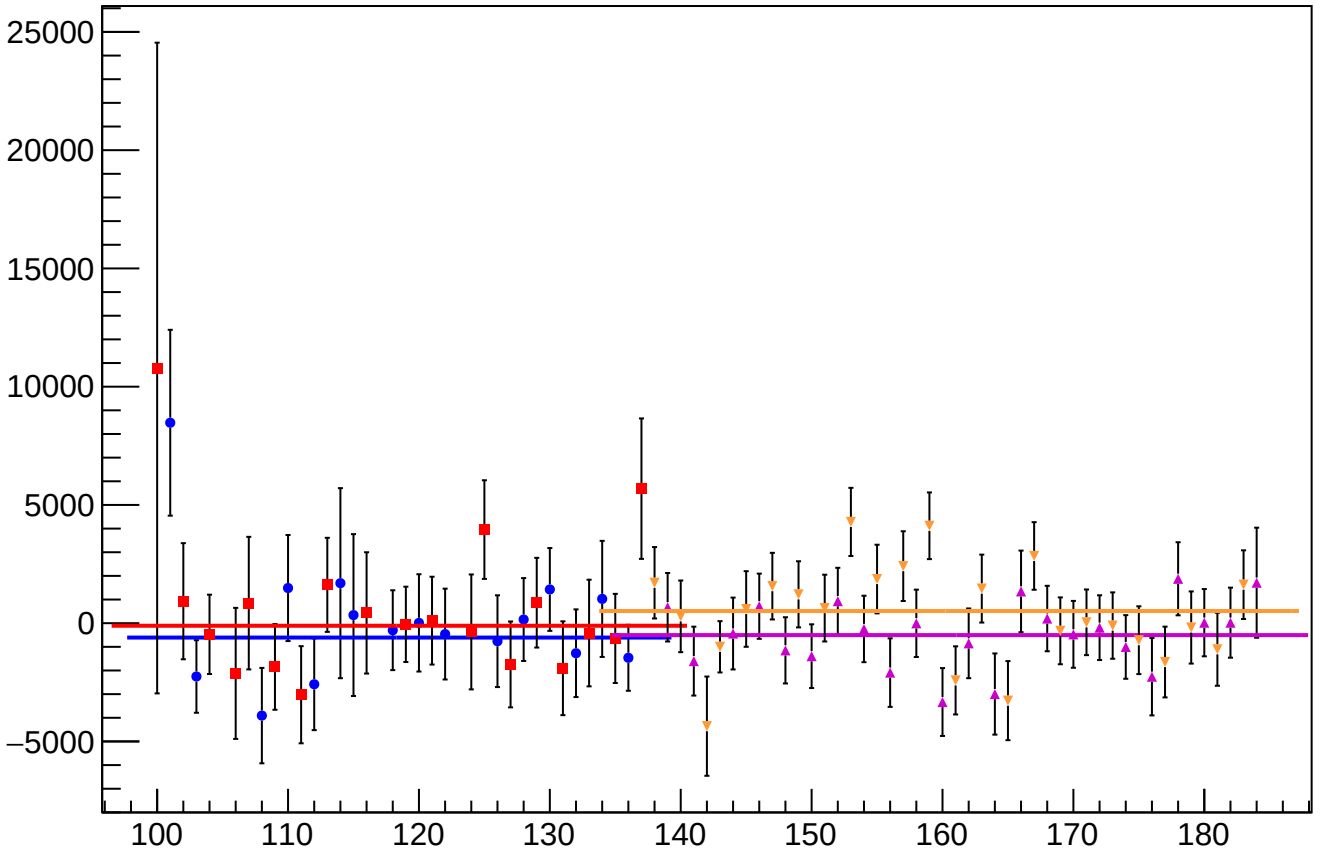
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 343.481+/-795.778 χ^2/NDF:28.4/38

Out: 29.134+/-712.285 χ^2/NDF:46.4/42

All: 168.957+/-530.734 χ^2/NDF: 74.9/81


asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3680.229+/-0.631 χ²/NDF:3689529.8/23
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3899.969+/-0.470 χ²/NDF: 5236953.4/46
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3932.871+/-0.563 χ²/NDF:1952311.5/38
Out: 3481.752+/-0.504 χ²/NDF:4612329.7/42
All: 3682.412+/-0.375 χ²/NDF: 6921482.0/81



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: -503.558+/-307.055 χ^2/NDF:17.4/22

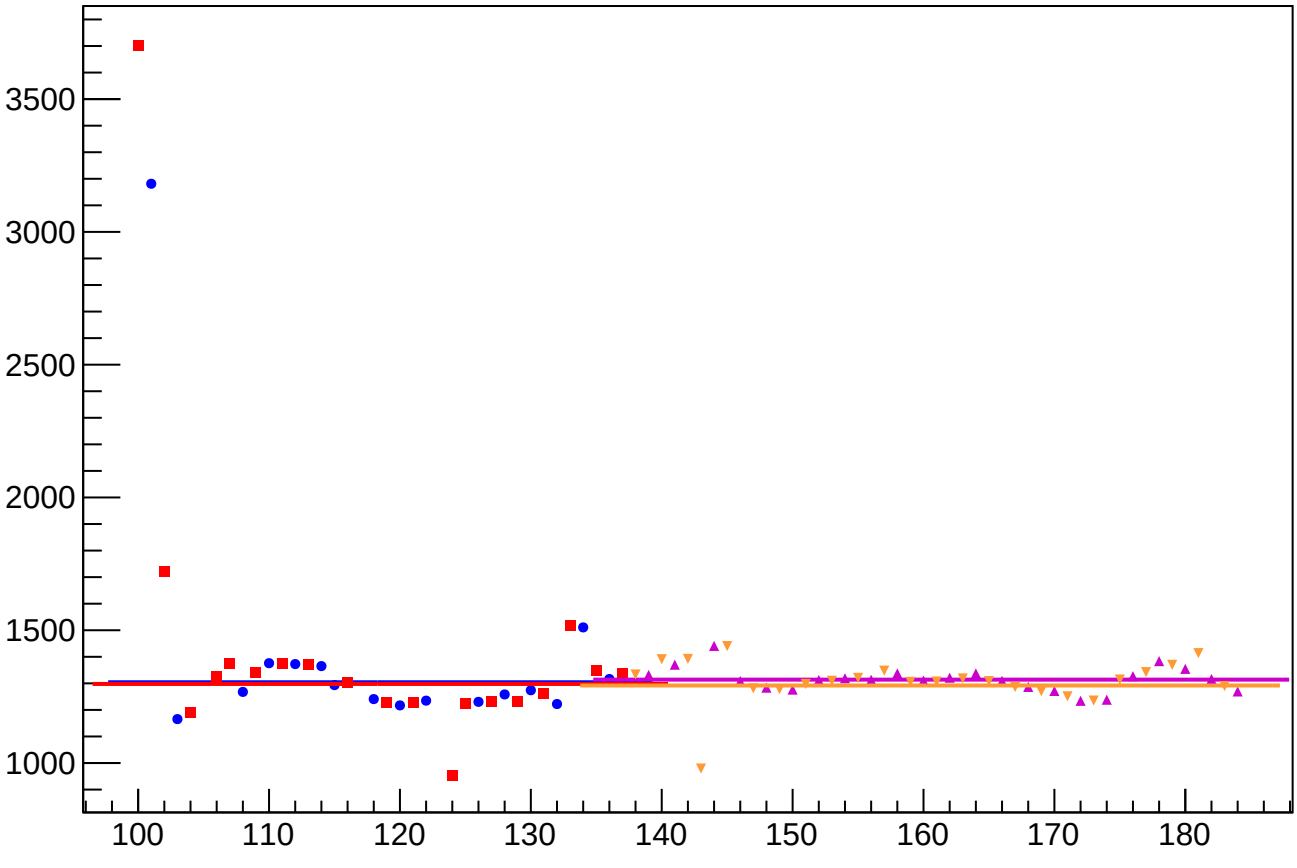
Left: 23.236+/-213.268 χ^2/NDF: 65.5/46

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -532.602+/-260.810 χ^2/NDF:31.5/38

Out: 345.111+/-253.012 χ^2/NDF:58.5/42

All: -80.427+/-181.601 χ^2/NDF: 95.9/81



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: 1314.006+/-0.217 χ^2/NDF:43044.7/22

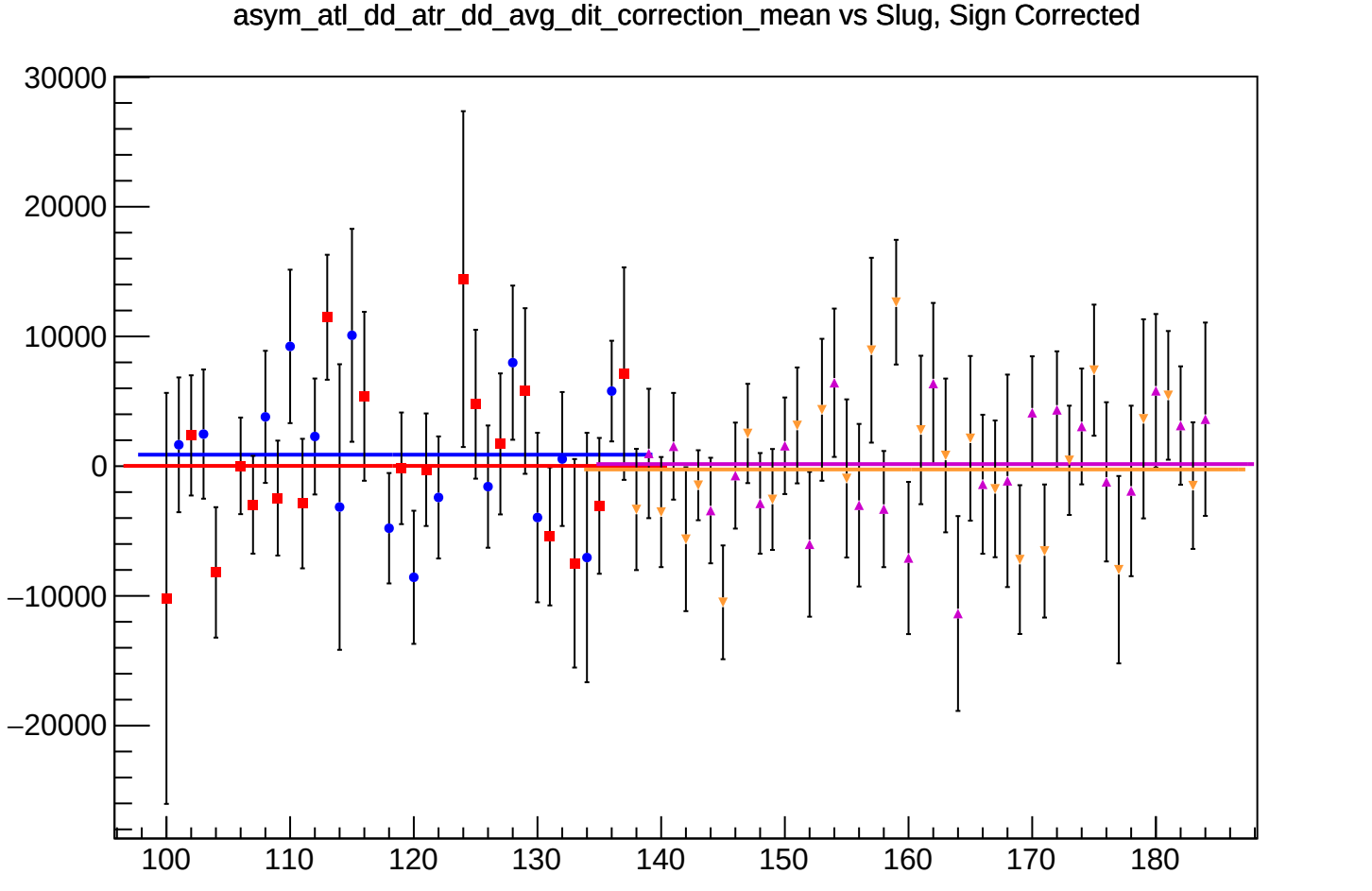
Left: 1302.618+/-0.151 χ^2/NDF: 278115.6/46

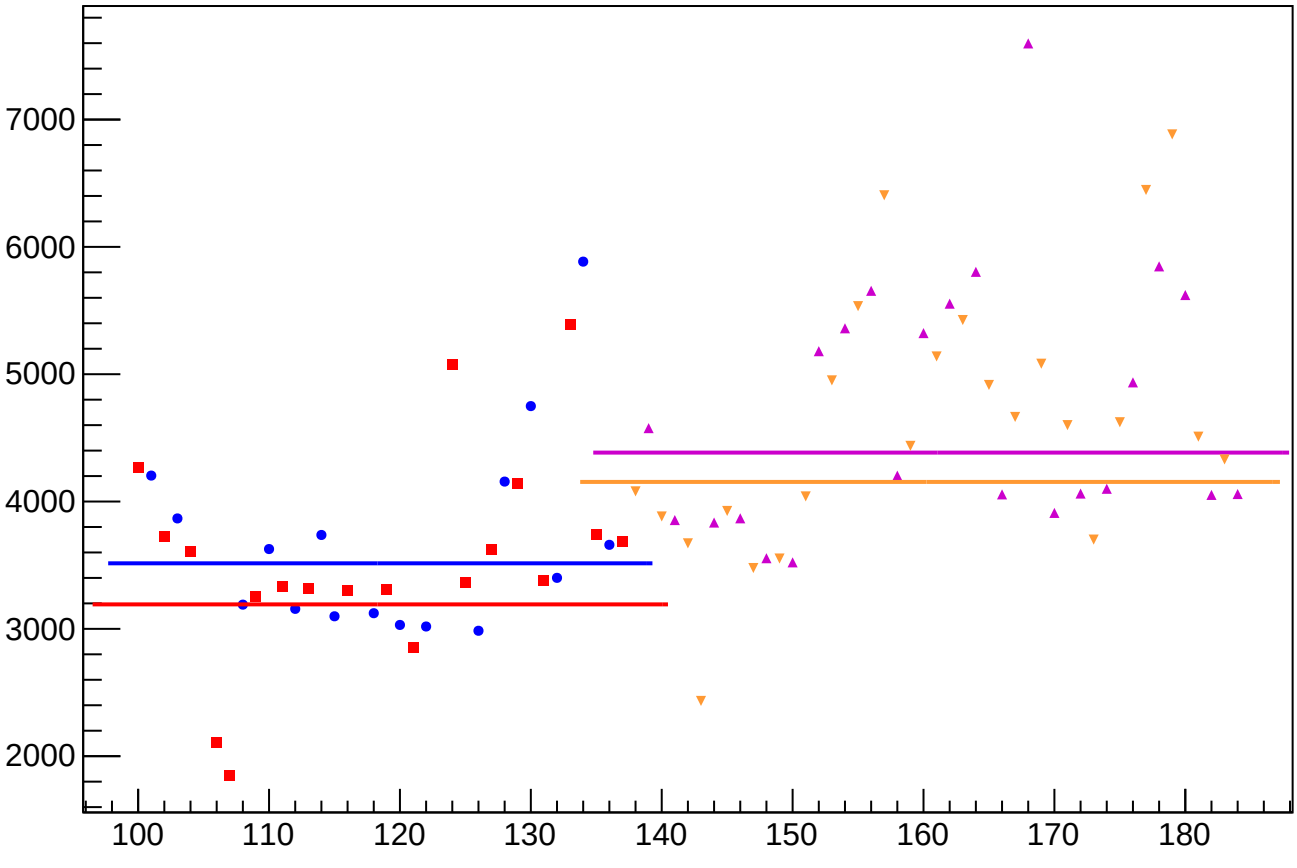
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1311.247+/-0.184 χ^2/NDF:554213.6/38

Out: 1293.579+/-0.179 χ^2/NDF:443060.7/42

All: 1302.143+/-0.128 χ^2/NDF: 1002003.8/81


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
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: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: -59.965+/-716.426 χ²/NDF: 41.2/46
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 436.874+/-821.335 χ²/NDF:28.1/38
Out: -143.726+/-760.749 χ²/NDF:44.1/42
All: 124.372+/-558.122 χ²/NDF: 72.5/81



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: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

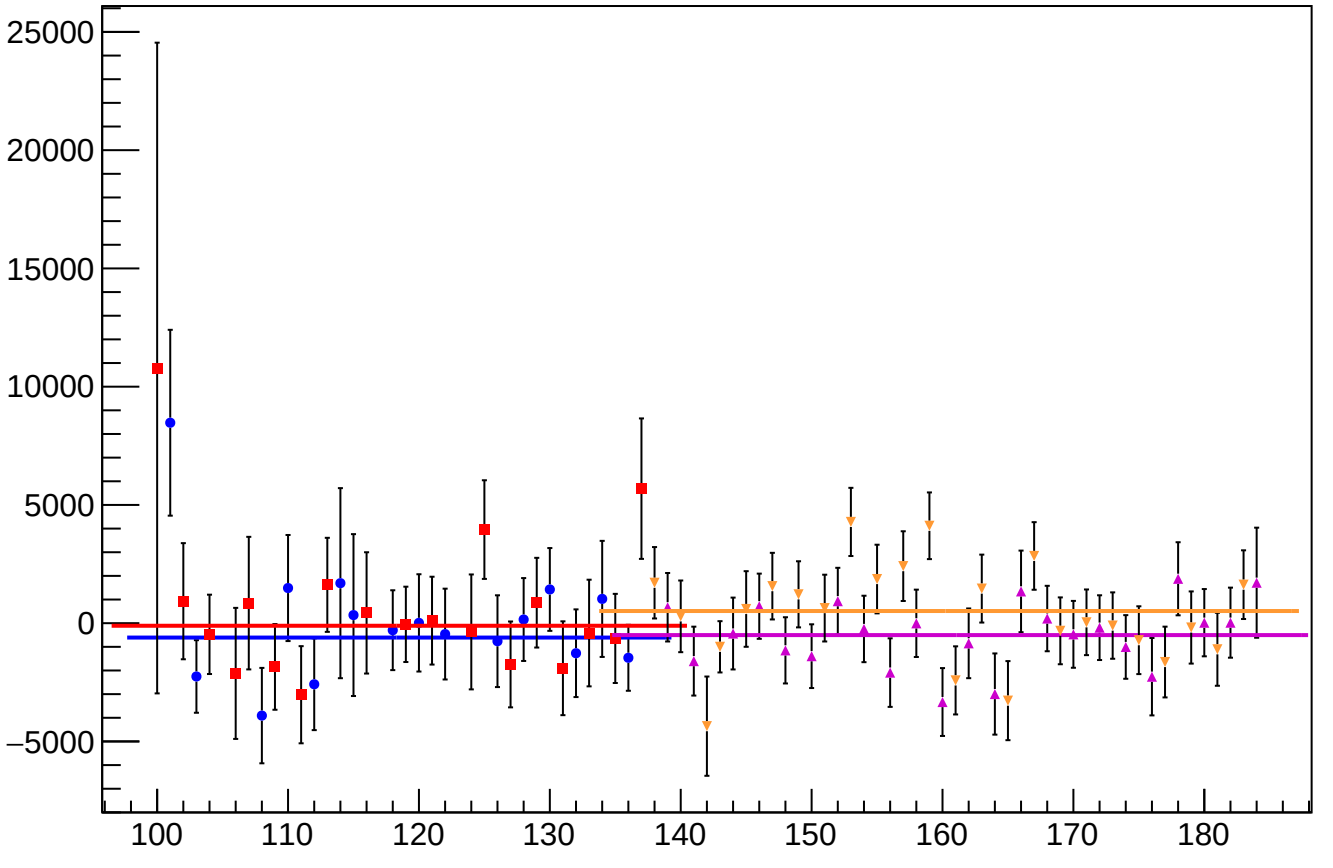
Left: 4262.169+/-0.507 χ^2/NDF: 3386681.7/46

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4051.398+/-0.581 χ^2/NDF:2160247.2/38

Out: 3767.484+/-0.538 χ^2/NDF:3620725.3/42

All: 3898.584+/-0.395 χ^2/NDF: 5909601.1/81



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: -503.558+/-307.056 χ^2/NDF:17.4/22

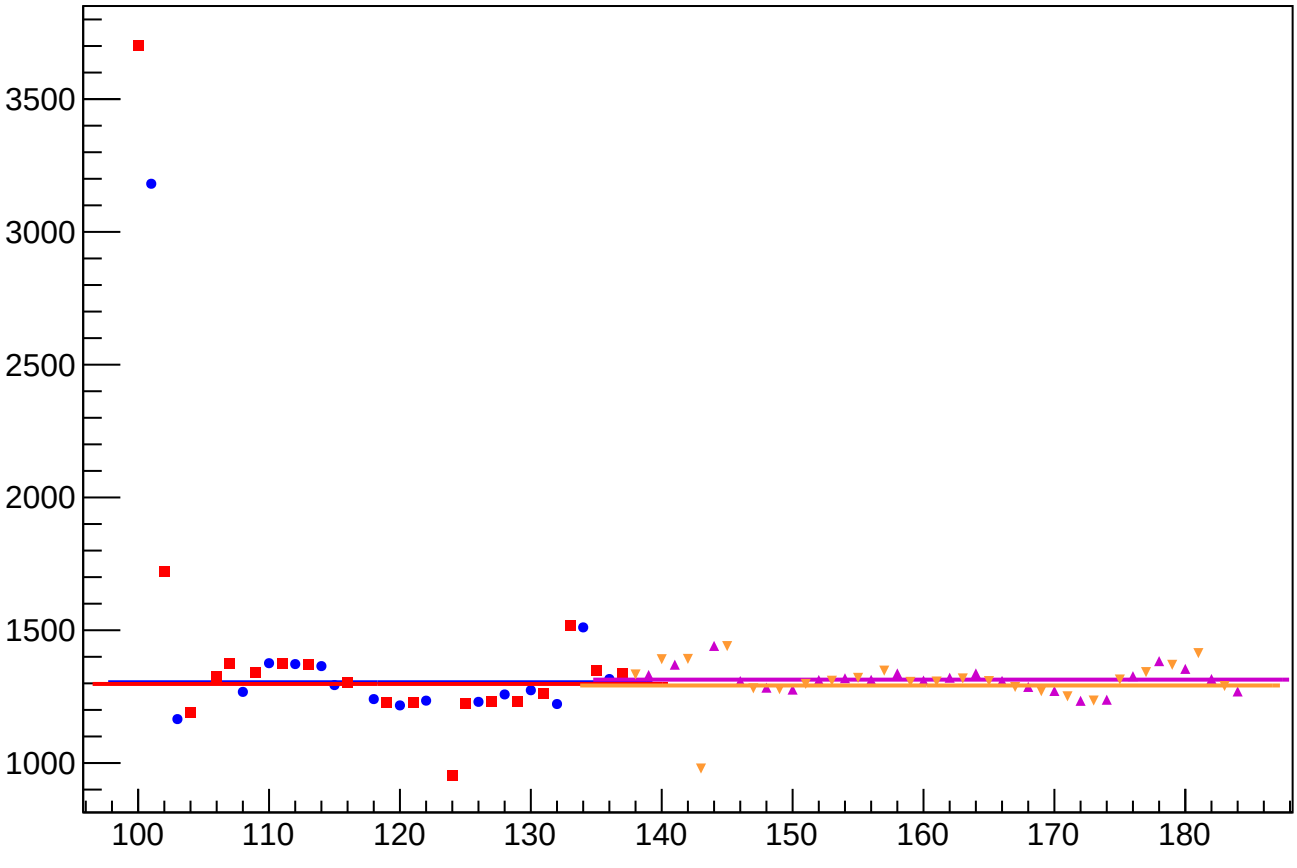
Left: 23.238+/-213.268 χ^2/NDF: 65.5/46

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -532.603+/-260.811 χ^2/NDF:31.5/38

Out: 345.112+/-253.012 χ^2/NDF:58.5/42

All: -80.427+/-181.601 χ^2/NDF: 95.9/81



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: 1314.007+/-0.217 χ^2/NDF:43046.8/22

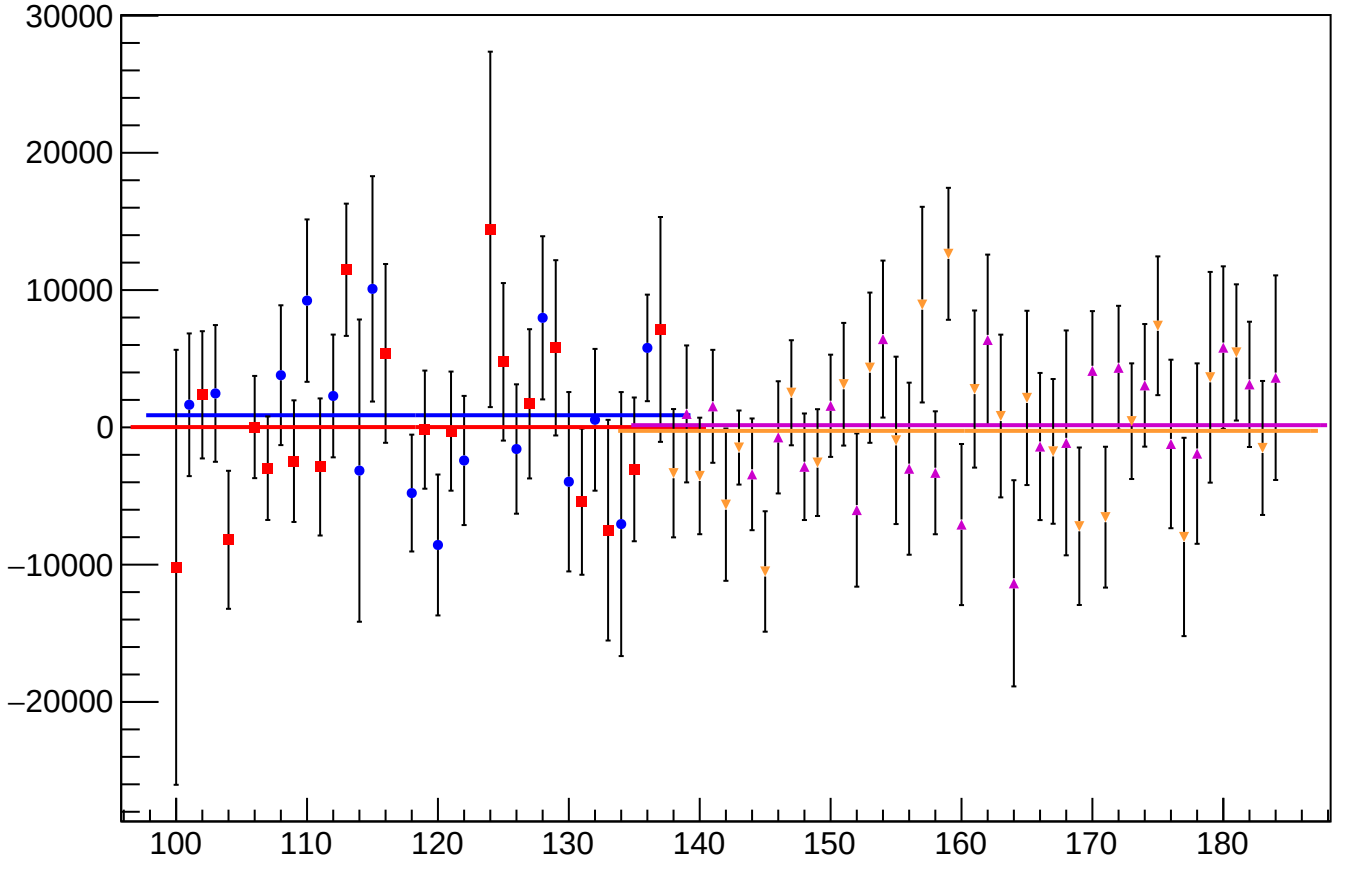
Left: 1302.620+/-0.151 χ^2/NDF: 278120.3/46

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1311.248+/-0.184 χ^2/NDF:554216.0/38

Out: 1293.580+/-0.179 χ^2/NDF:443063.2/42

All: 1302.144+/-0.128 χ^2/NDF: 1002008.8/81



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: 159.454+/-1045.511 χ^2/NDF:13.8/22

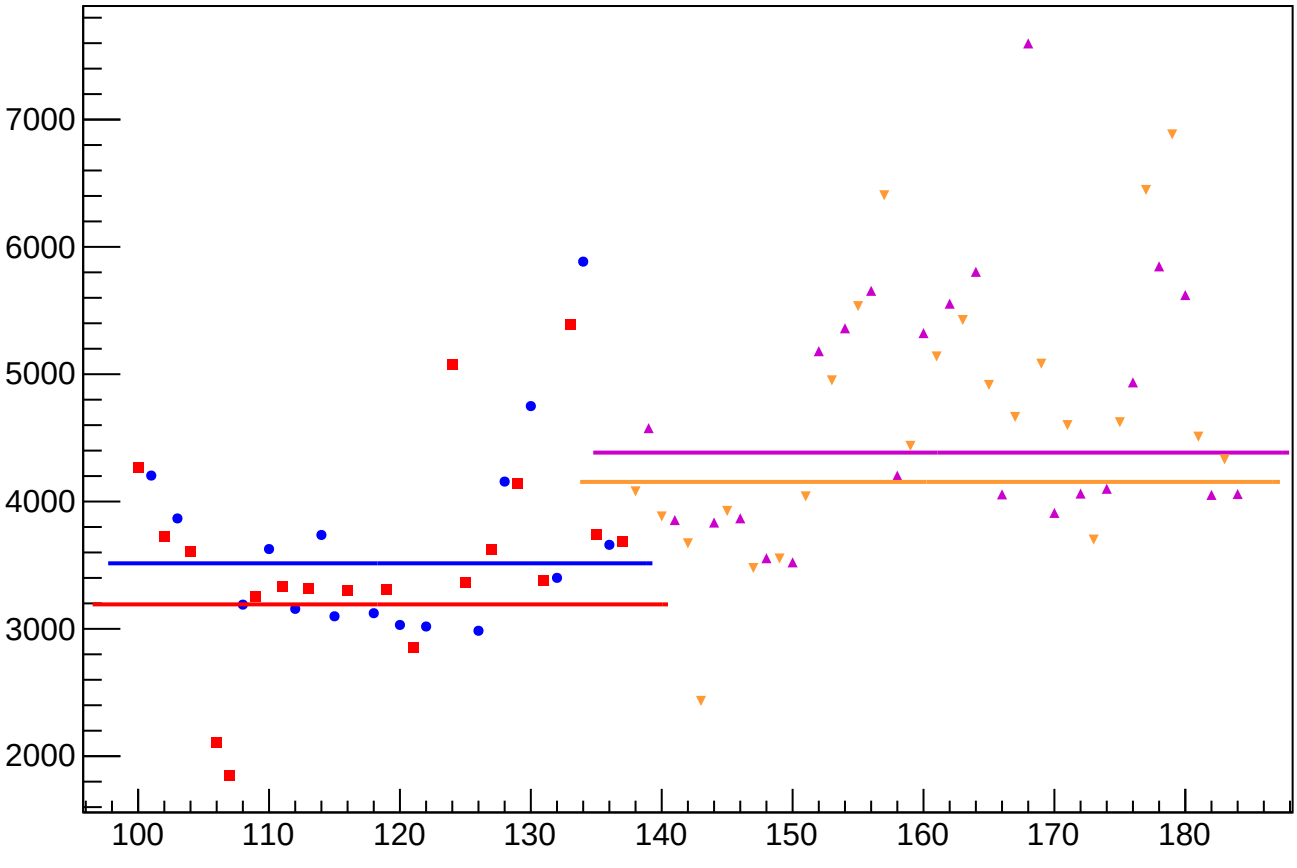
Left: -59.964+/-716.428 χ^2/NDF: 41.2/46

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 436.872+/-821.335 χ^2/NDF:28.1/38

Out: -143.725+/-760.749 χ^2/NDF:44.1/42

All: 124.372+/-558.122 χ^2/NDF: 72.5/81



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: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

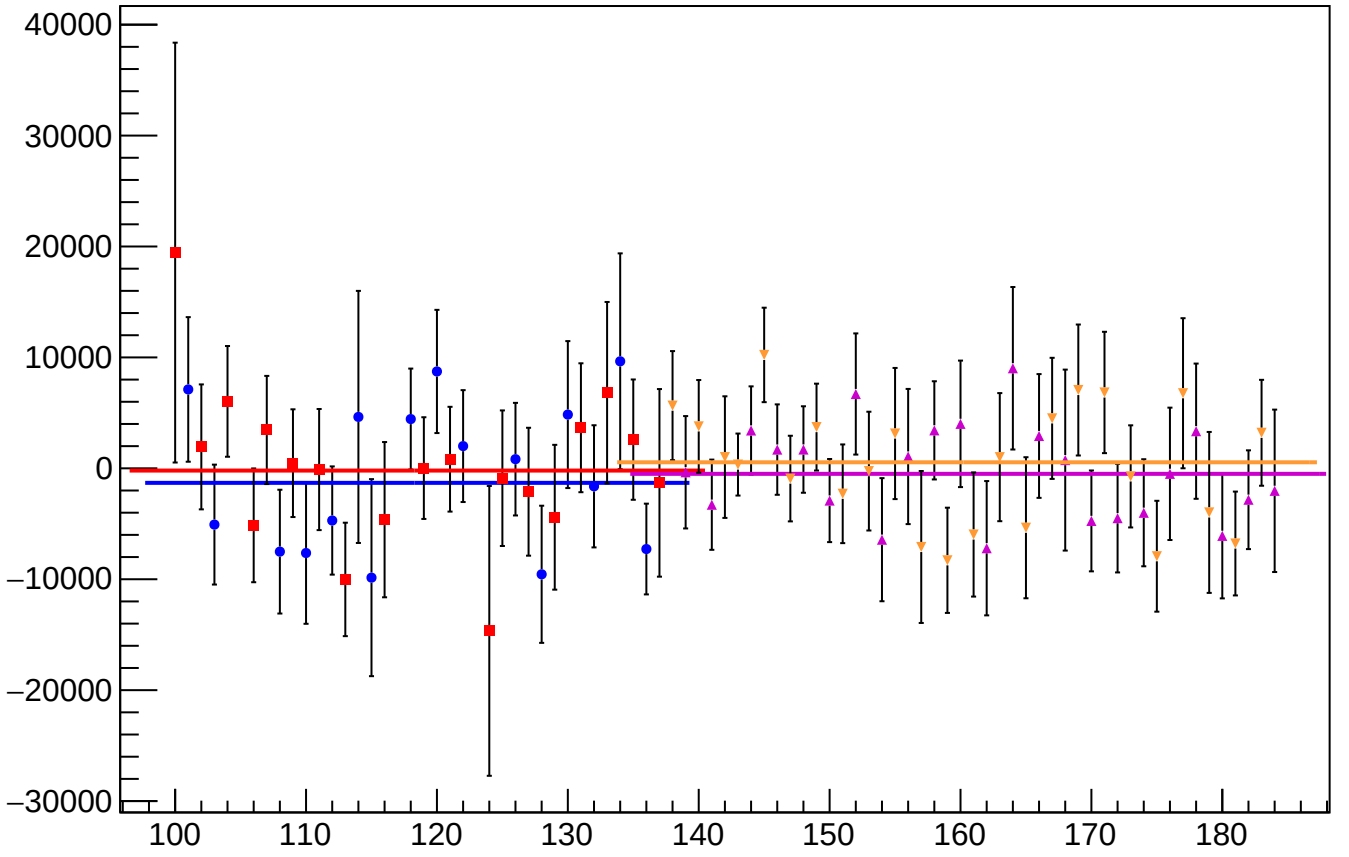
Left: 4262.176+/-0.507 χ^2/NDF: 3386688.7/46

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4051.397+/-0.581 χ^2/NDF:2160275.8/38

Out: 3767.483+/-0.538 χ^2/NDF:3620754.4/42

All: 3898.583+/-0.395 χ^2/NDF: 5909658.8/81



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: -497.522+/-1044.707 χ^2/NDF:13.9/22

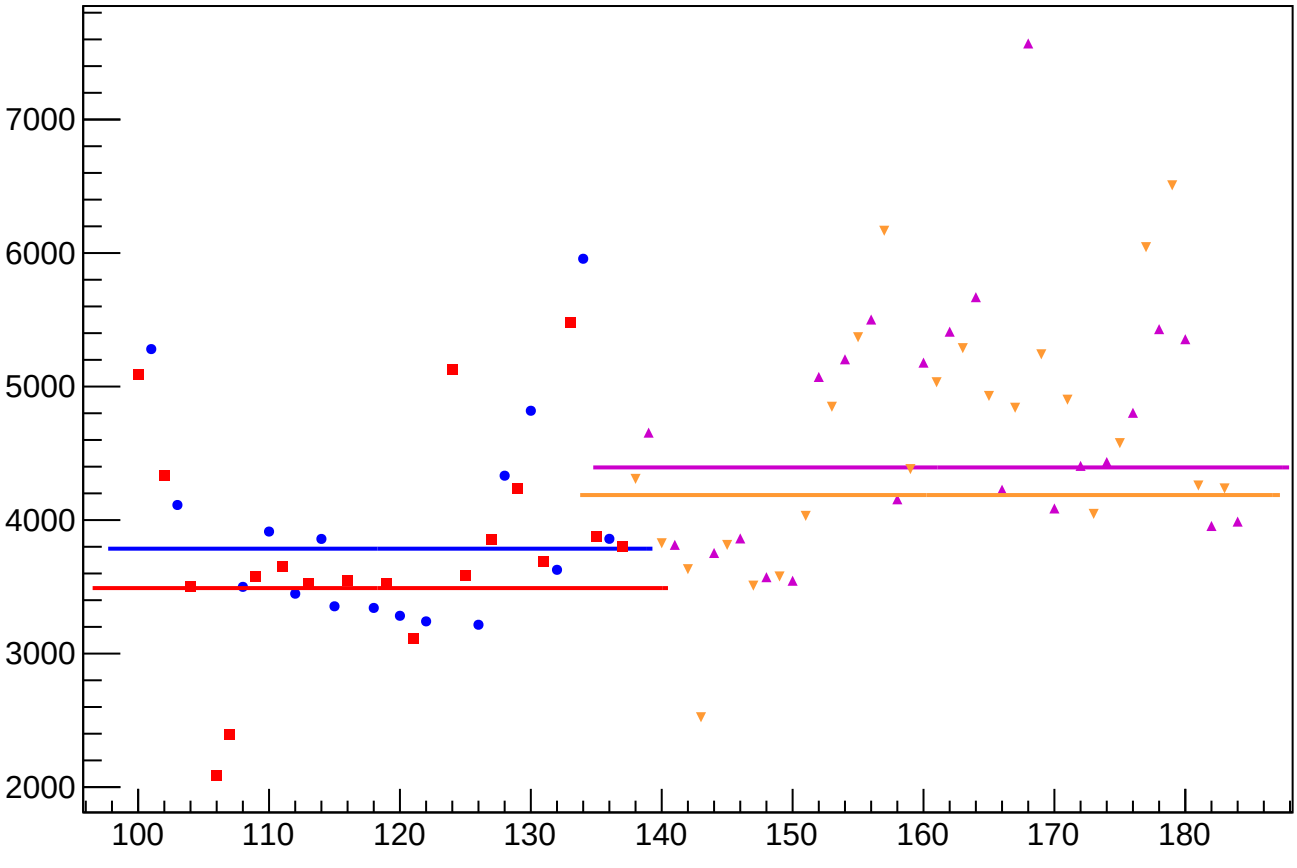
Left: 53.015+/-717.361 χ^2/NDF: 39.6/46

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -779.614+/-843.902 χ^2/NDF:31.7/38

Out: 280.960+/-793.753 χ^2/NDF:37.1/42

All: -216.879+/-578.185 χ^2/NDF: 69.6/81



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: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

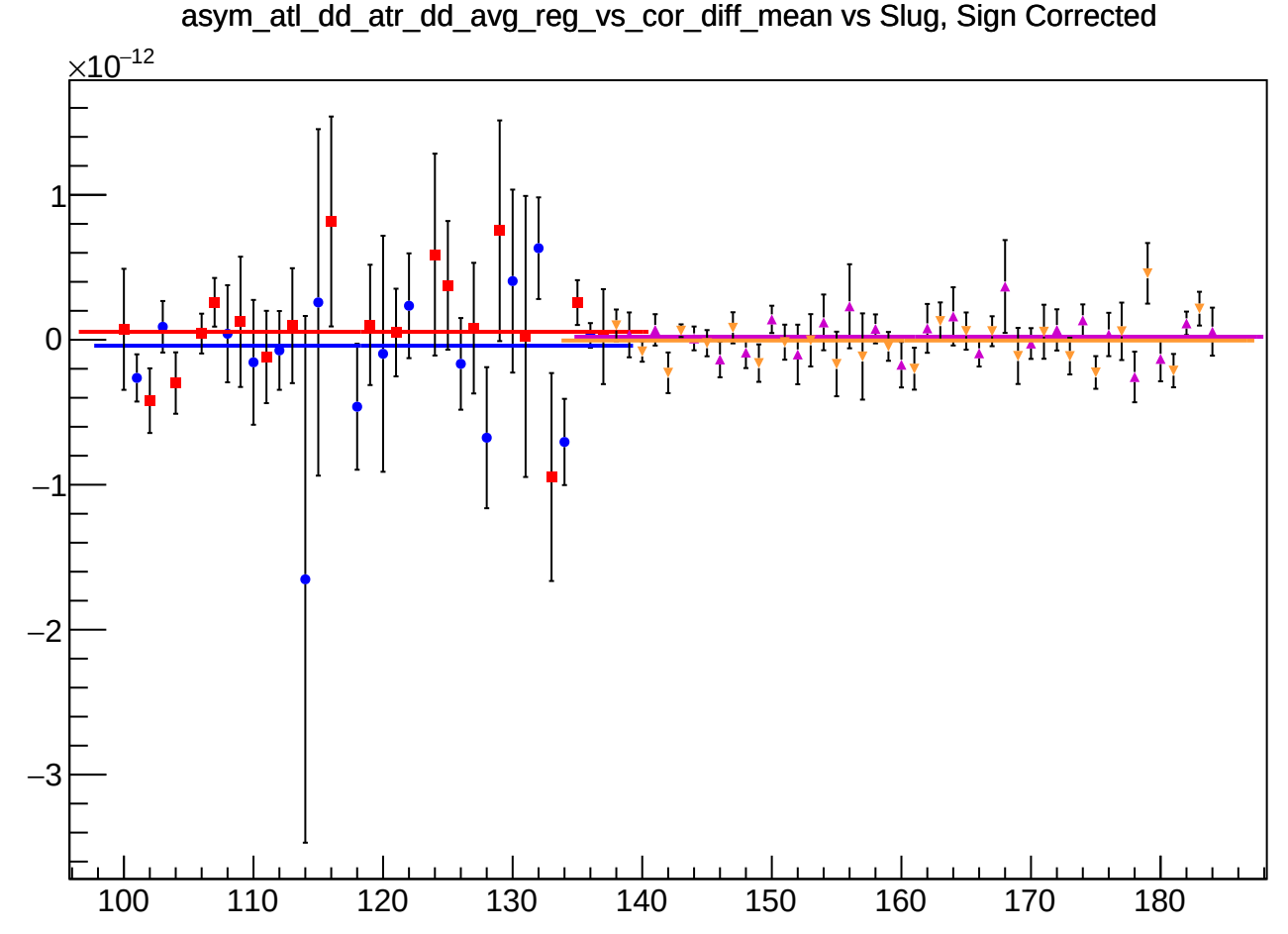
Left: 4284.974+/-0.507 χ^2/NDF: 2926174.4/46

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4182.864+/-0.597 χ^2/NDF:1707199.7/38

Out: 3937.090+/-0.559 χ^2/NDF:2741300.5/42

All: 4051.860+/-0.408 χ^2/NDF: 4538921.1/81



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:17.0/22

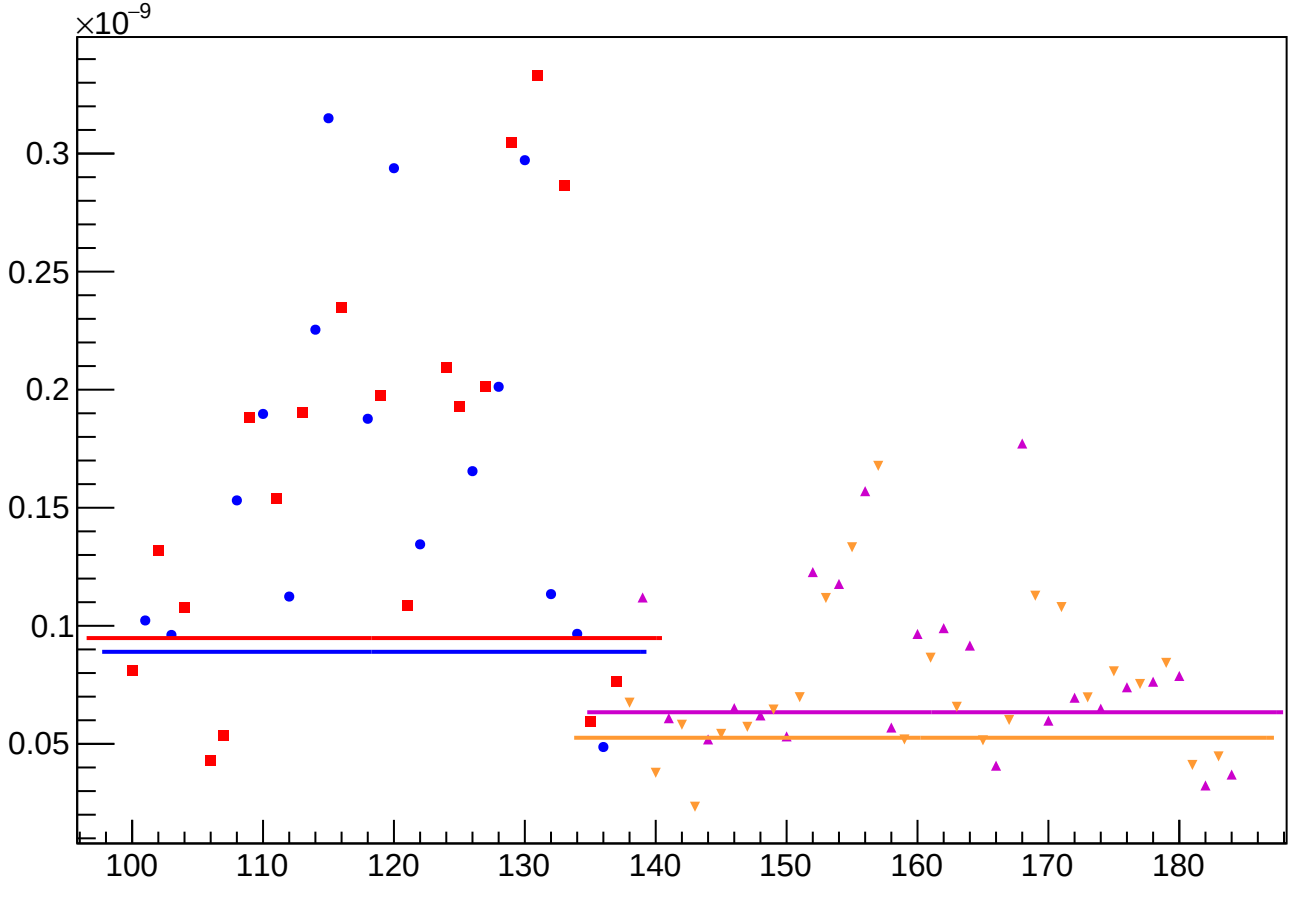
Left: 0.000+/-0.000 χ^2/NDF: 47.8/46

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:34.6/38

Out: 0.000+/-0.000 χ^2/NDF:46.9/42

All: 0.000+/-0.000 χ^2/NDF: 81.6/81



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:1788279.2/22

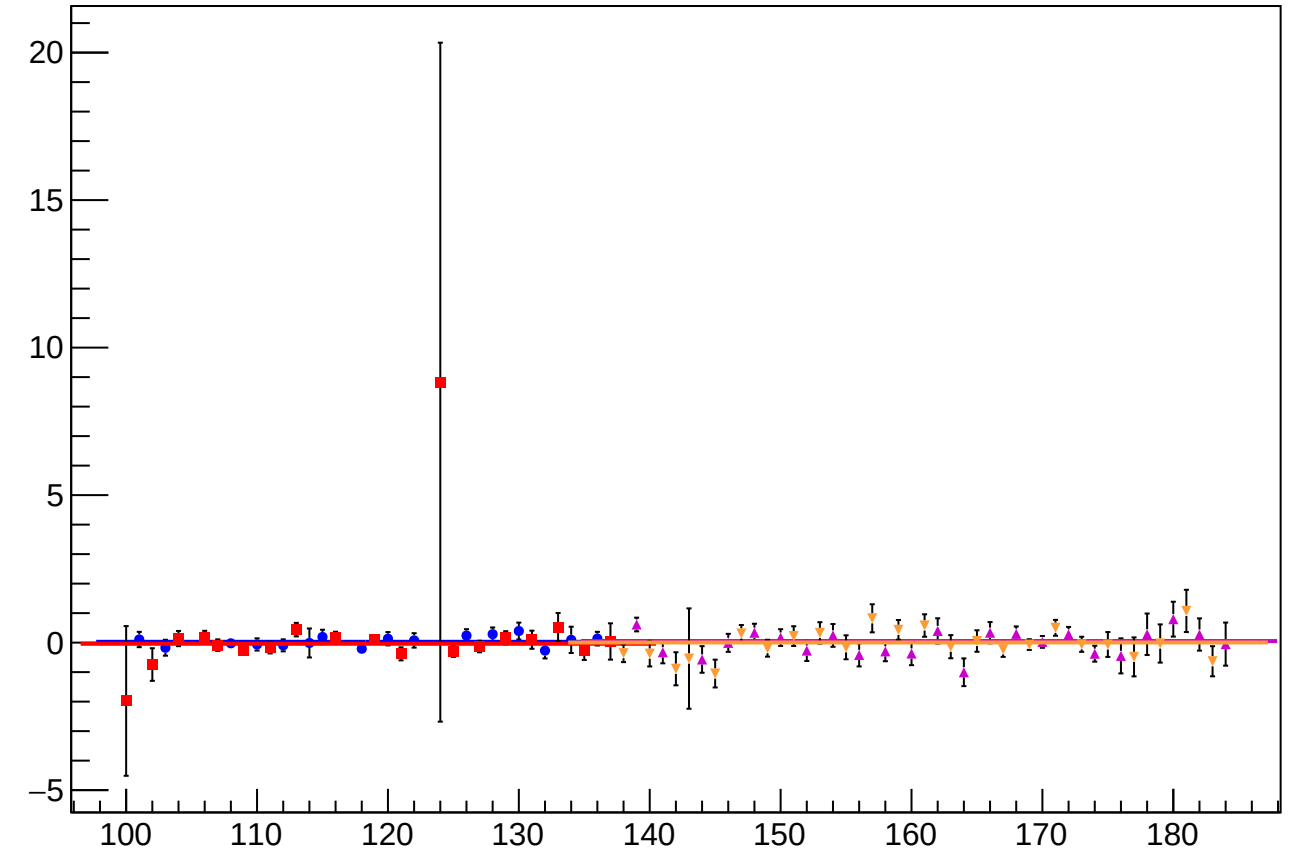
Left: 0.000+/-0.000 χ^2/NDF: 4609540.7/46

Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3563581.8/38

Out: 0.000+/-0.000 χ^2/NDF:5135059.3/42

All: 0.000+/-0.000 χ^2/NDF: 8912820.2/81



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: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.030+/-0.050 χ^2/NDF: 56.6/46

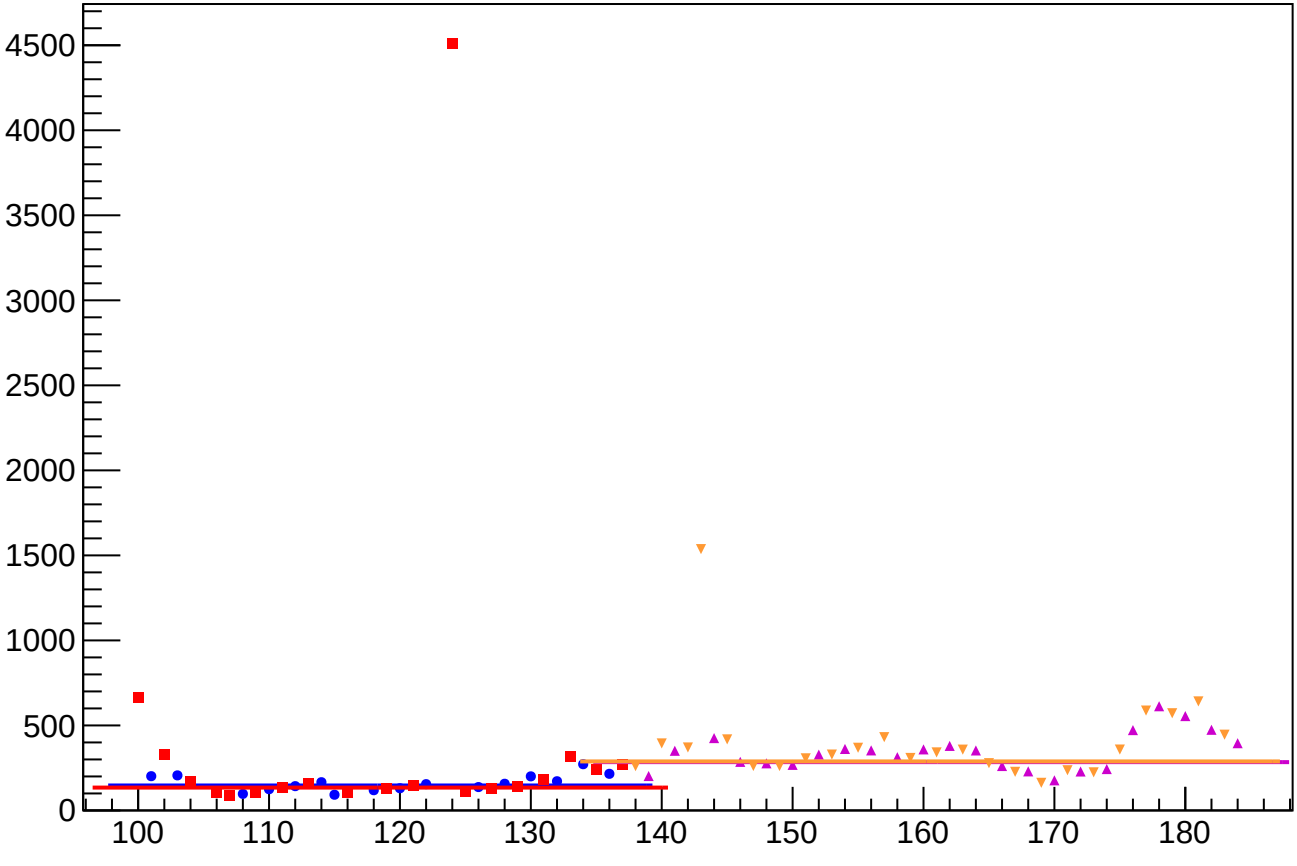
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/81

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: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.221+/-0.035 χ^2/NDF: 7717028.4/46

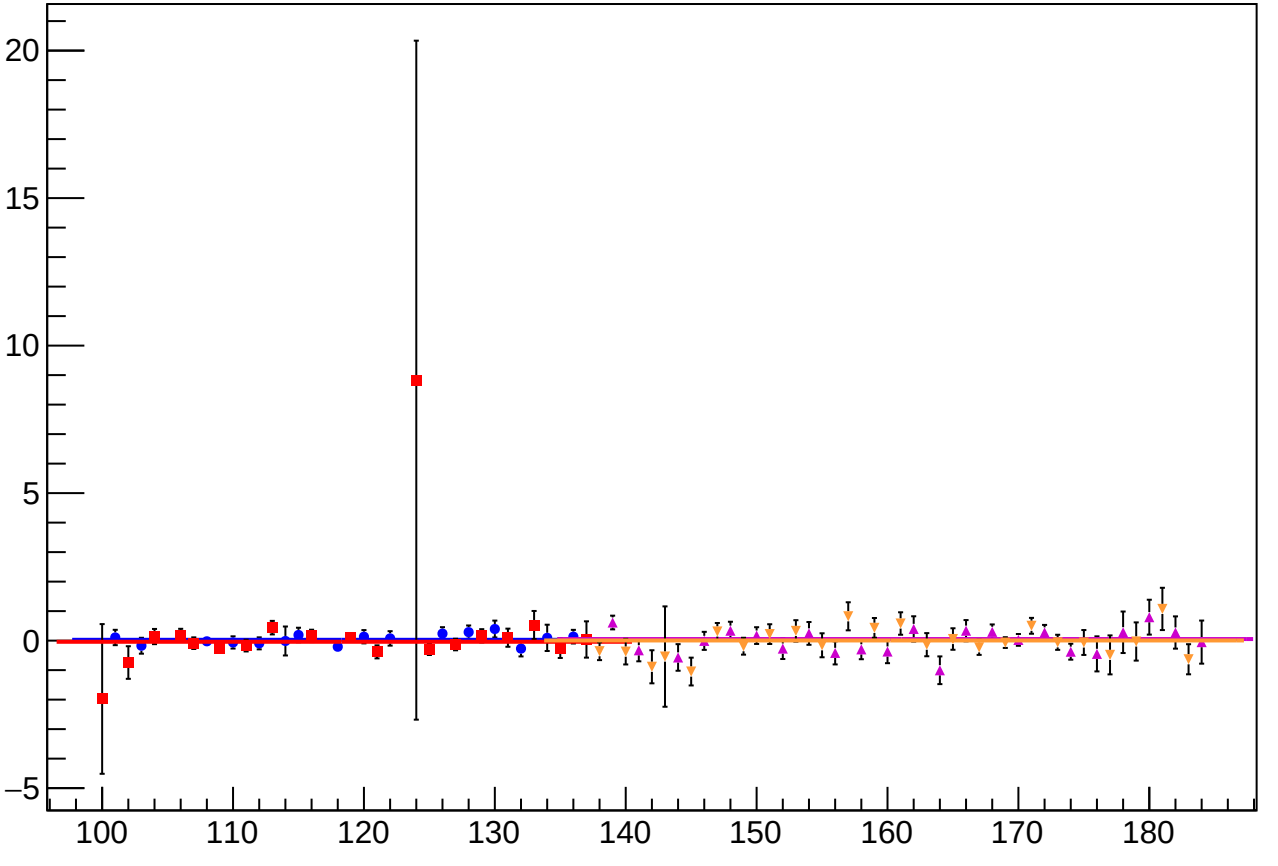
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 202.013+/-0.032 χ^2/NDF:8628760.9/38

Out: 191.482+/-0.031 χ^2/NDF:12084157.8/42

All: 196.609+/-0.022 χ^2/NDF: 20770073.2/81

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: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.030+/-0.050 χ^2/NDF: 56.6/46

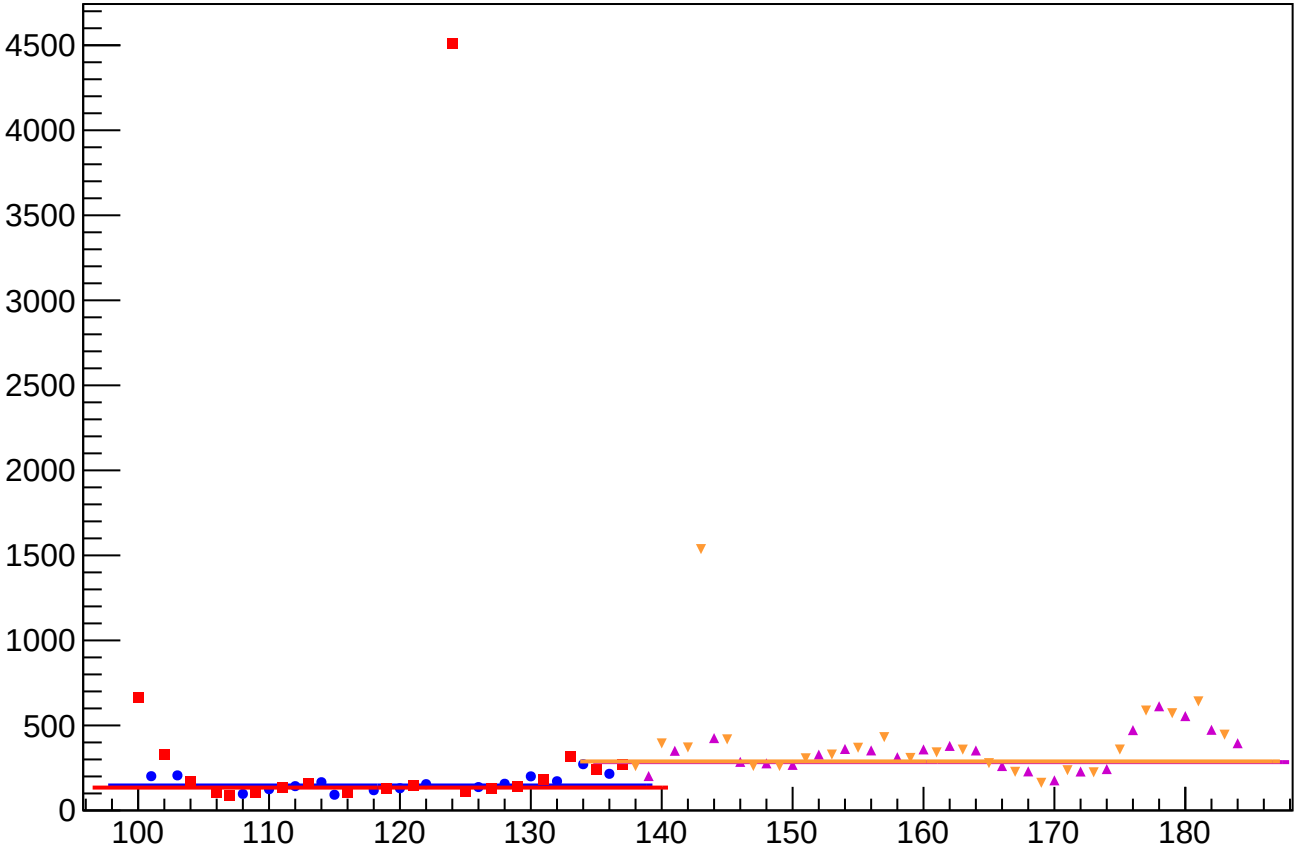
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/81

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: 284.168+/-0.050 χ^2/NDF:3077521.1/22

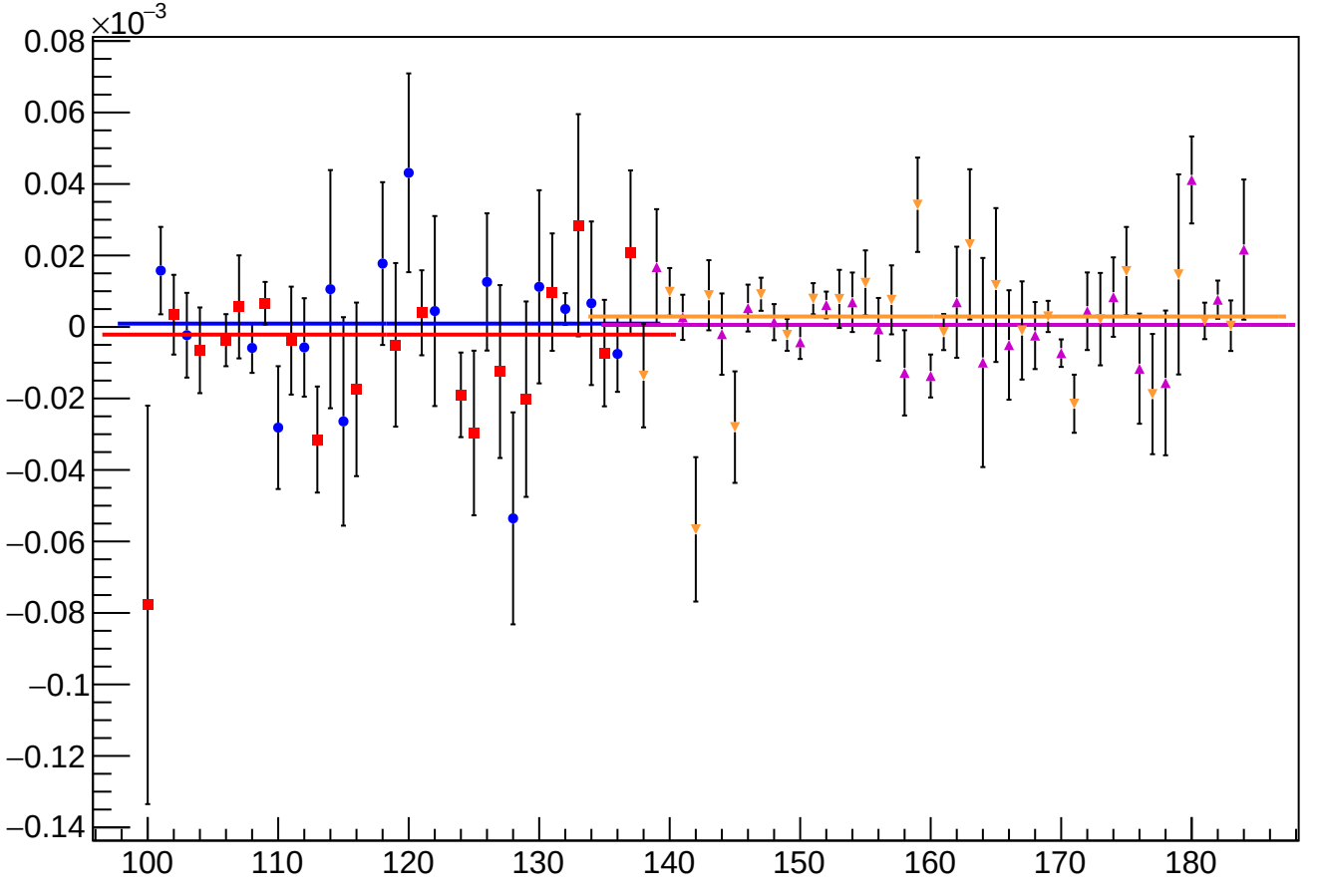
Left: 286.221+/-0.035 χ^2/NDF: 7717028.4/46

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 202.013+/-0.032 χ^2/NDF:8628760.9/38

Out: 191.482+/-0.031 χ^2/NDF:12084157.8/42

All: 196.609+/-0.022 χ^2/NDF: 20770073.2/81



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:33.2/22

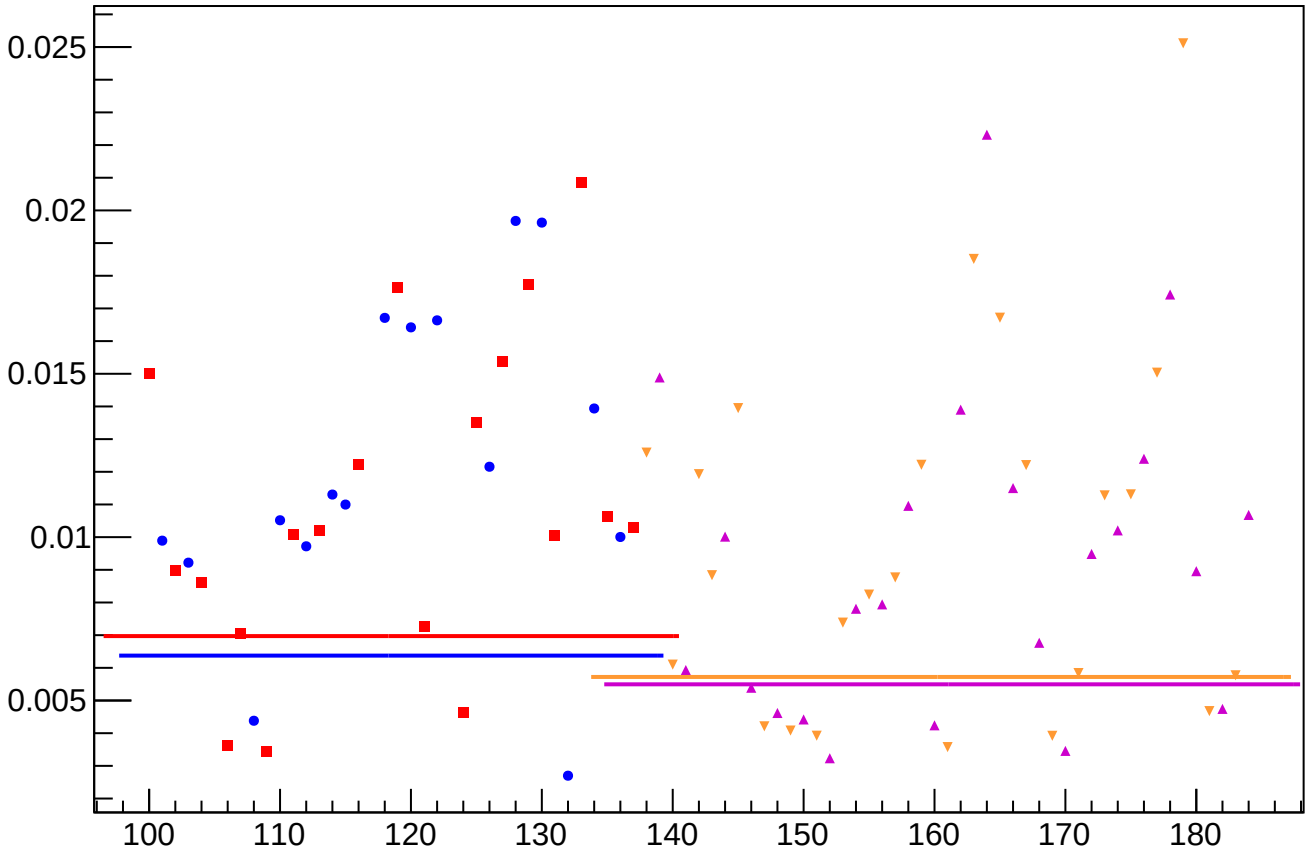
Left: 0.000+/-0.000 χ^2/NDF: 75.5/46

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:48.1/38

Out: 0.000+/-0.000 χ^2/NDF:59.4/42

All: 0.000+/-0.000 χ^2/NDF: 107.9/81



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:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 14957169.9/46

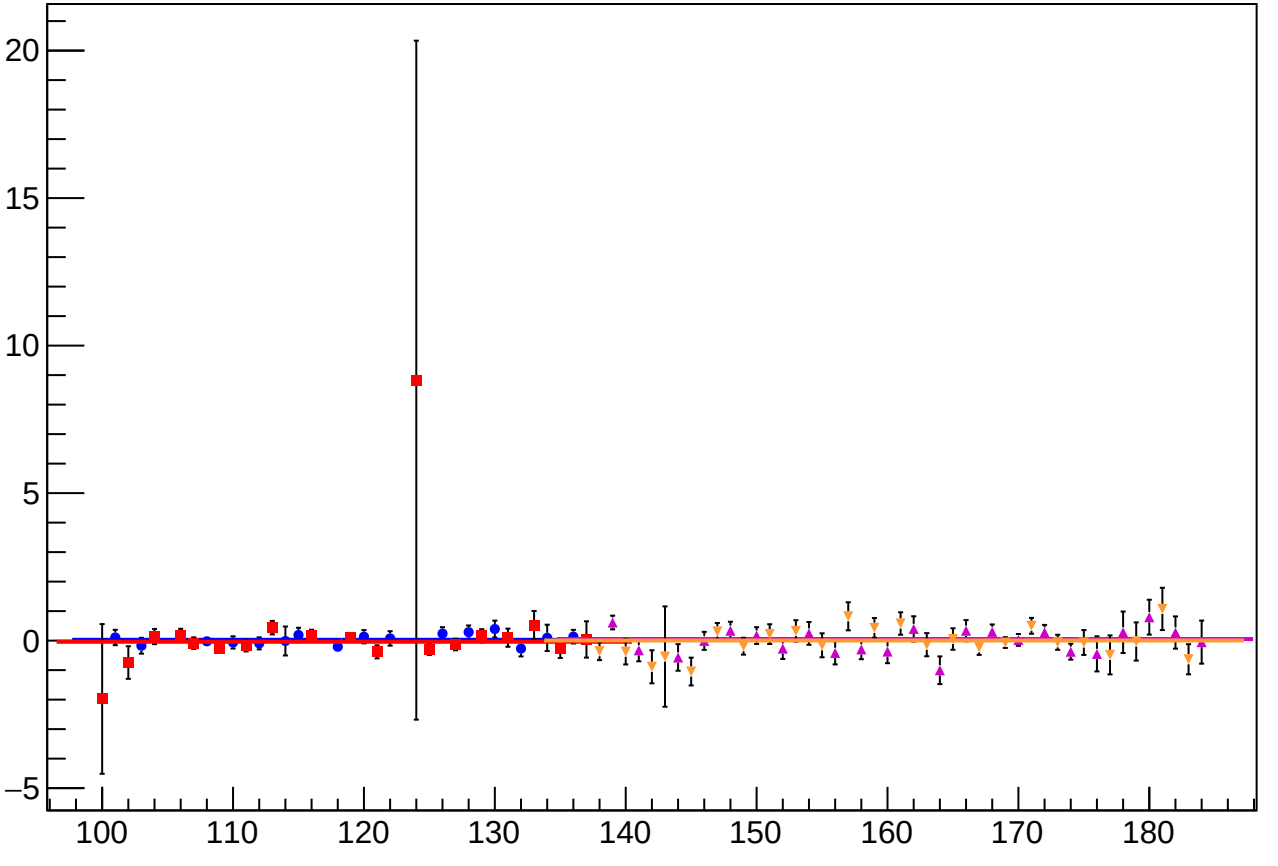
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11719179.9/38

Out: 0.006+/-0.000 χ^2/NDF:11681982.3/42

All: 0.006+/-0.000 χ^2/NDF: 23448540.6/81

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: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.030+/-0.050 χ^2/NDF: 56.6/46

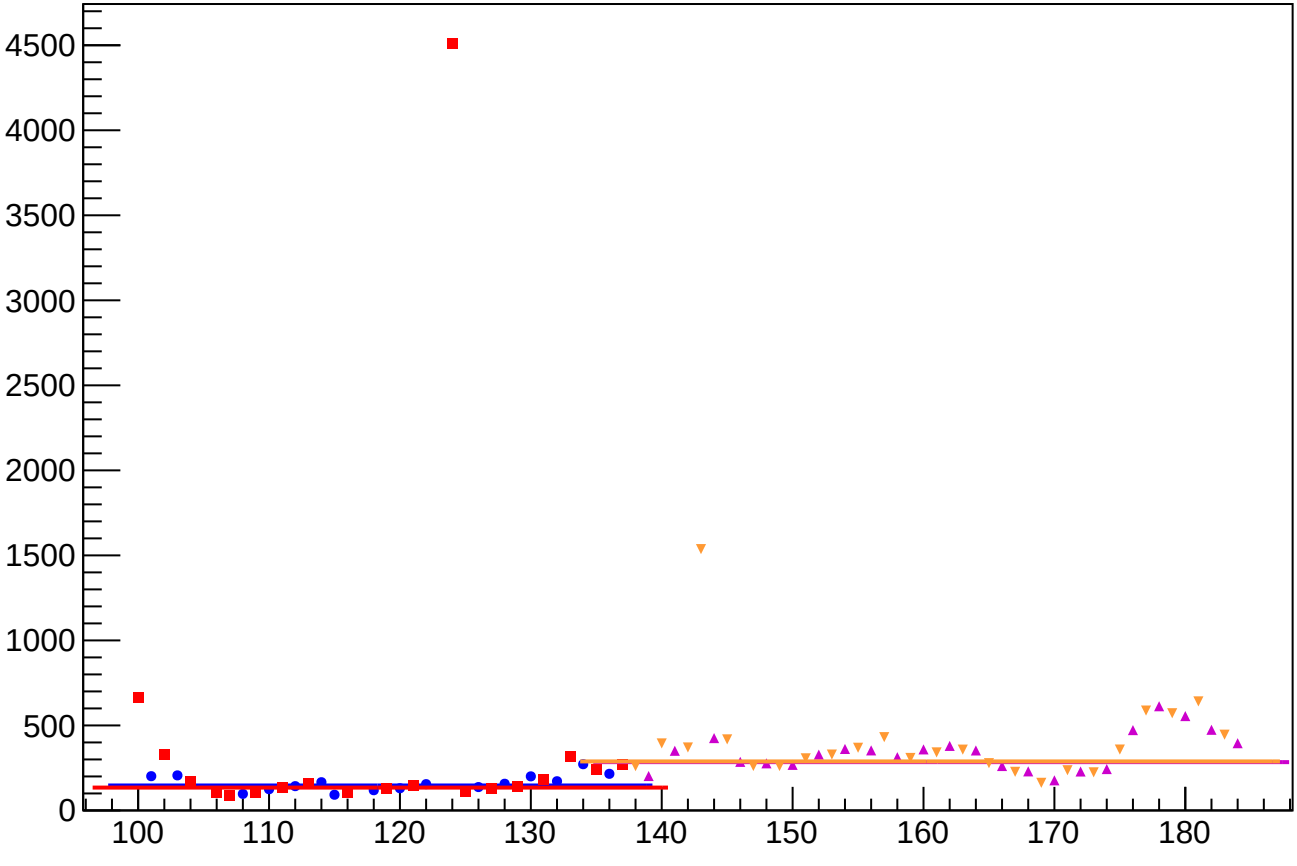
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/81

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: 284.170+/-0.050 χ^2/NDF:3077626.7/22

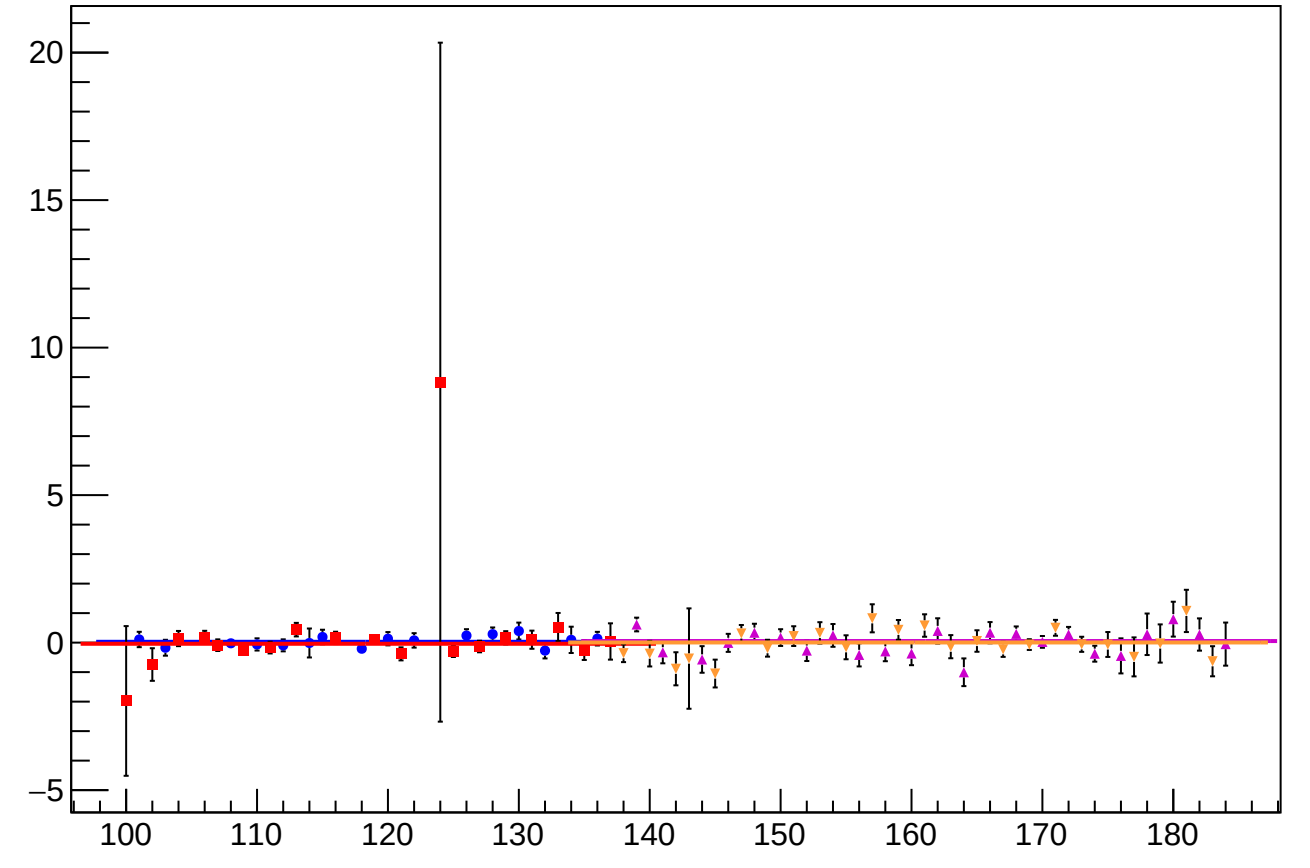
Left: 286.222+/-0.035 χ^2/NDF: 7717319.9/46

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 202.013+/-0.032 χ^2/NDF:8628882.9/38

Out: 191.483+/-0.031 χ^2/NDF:12084132.9/42

All: 196.609+/-0.022 χ^2/NDF: 20770157.8/81



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: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.030+/-0.050 χ^2/NDF: 56.6/46

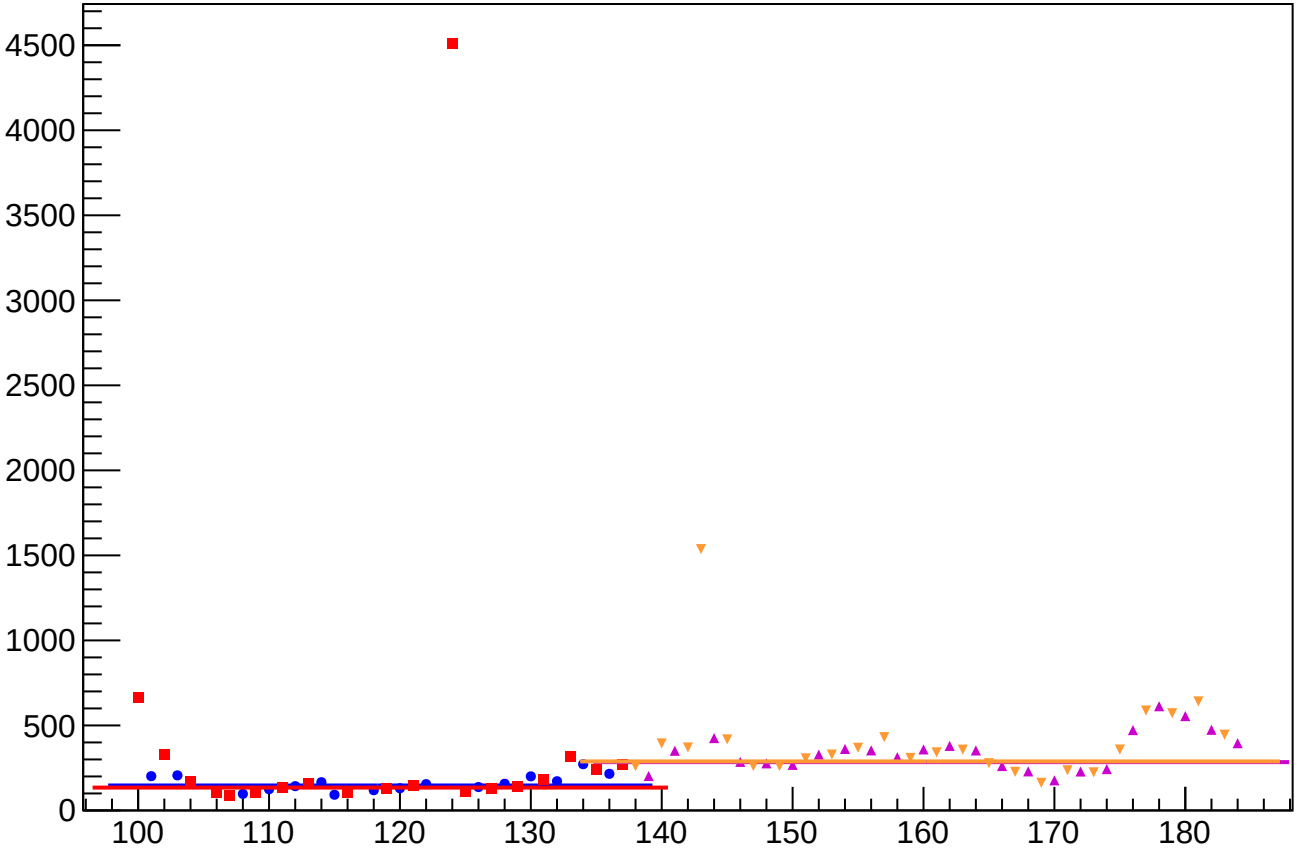
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/81

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: 284.170+/-0.050 χ^2/NDF:3077626.7/22

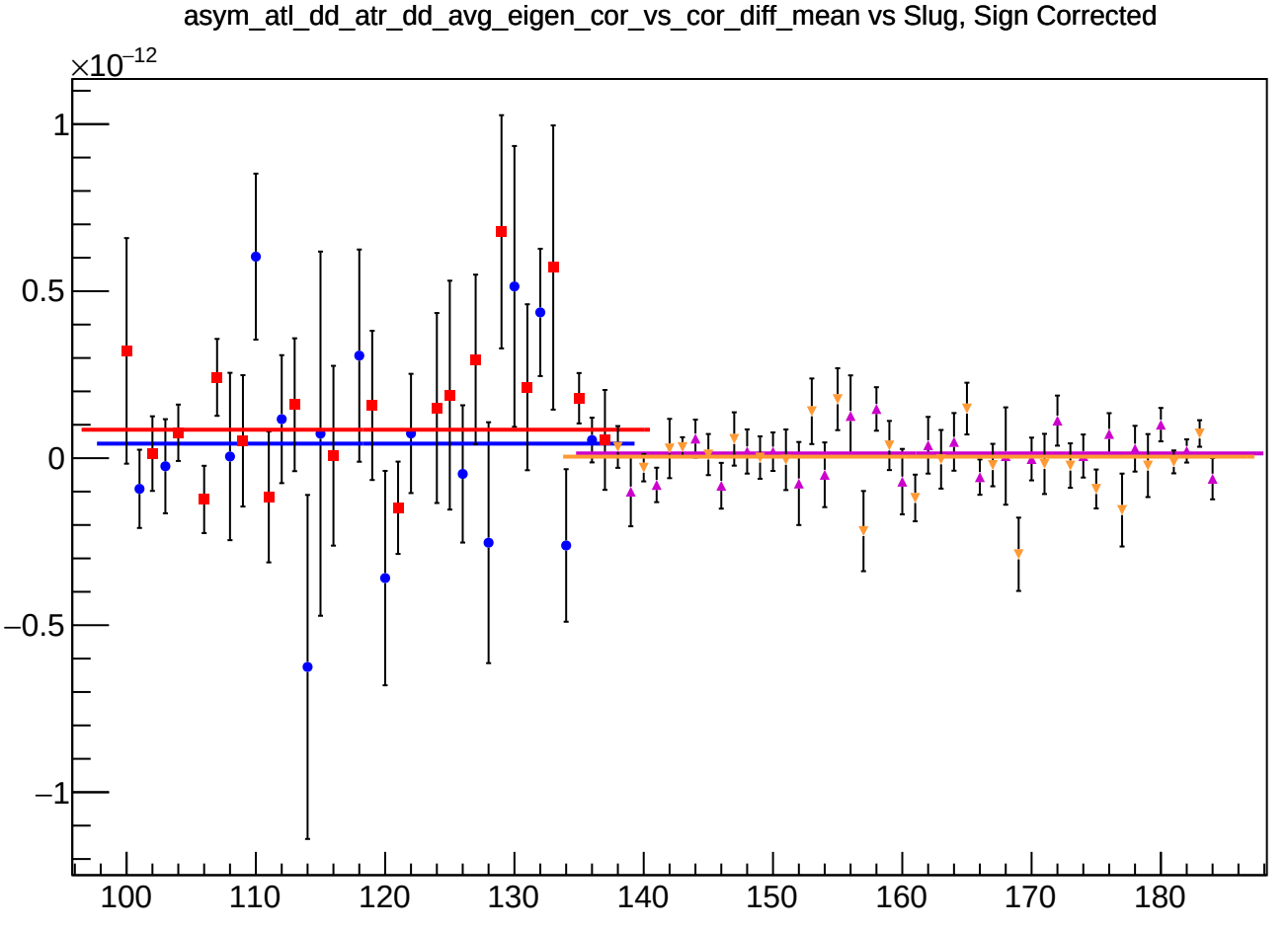
Left: 286.222+/-0.035 χ^2/NDF: 7717319.9/46

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 202.013+/-0.032 χ^2/NDF:8628882.9/38

Out: 191.483+/-0.031 χ^2/NDF:12084132.9/42

All: 196.609+/-0.022 χ^2/NDF: 20770157.8/81



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:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.1/46

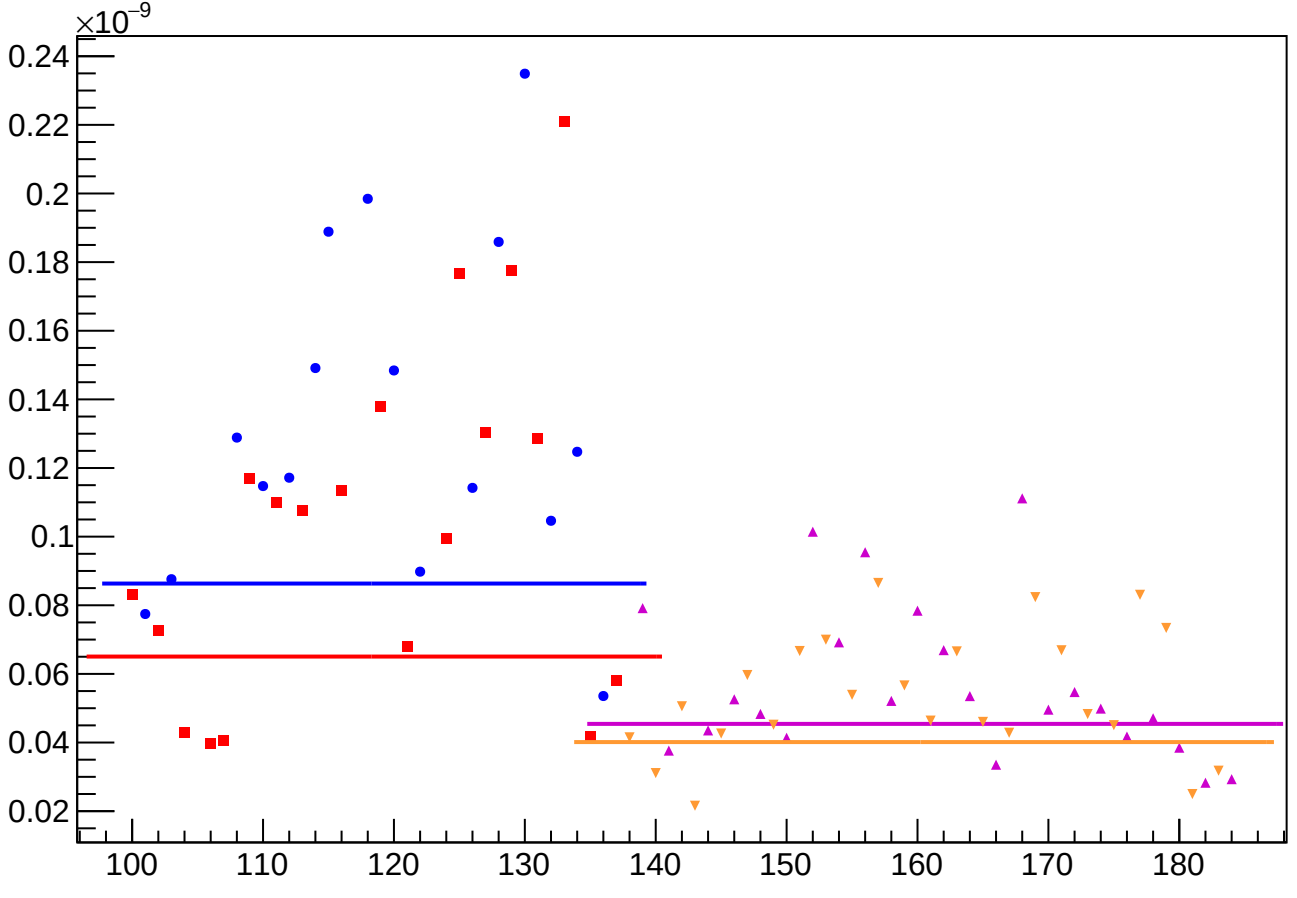
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:42.6/38

Out: 0.000+/-0.000 χ^2/NDF:56.8/42

All: 0.000+/-0.000 χ^2/NDF: 99.4/81

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:2780344.5/22

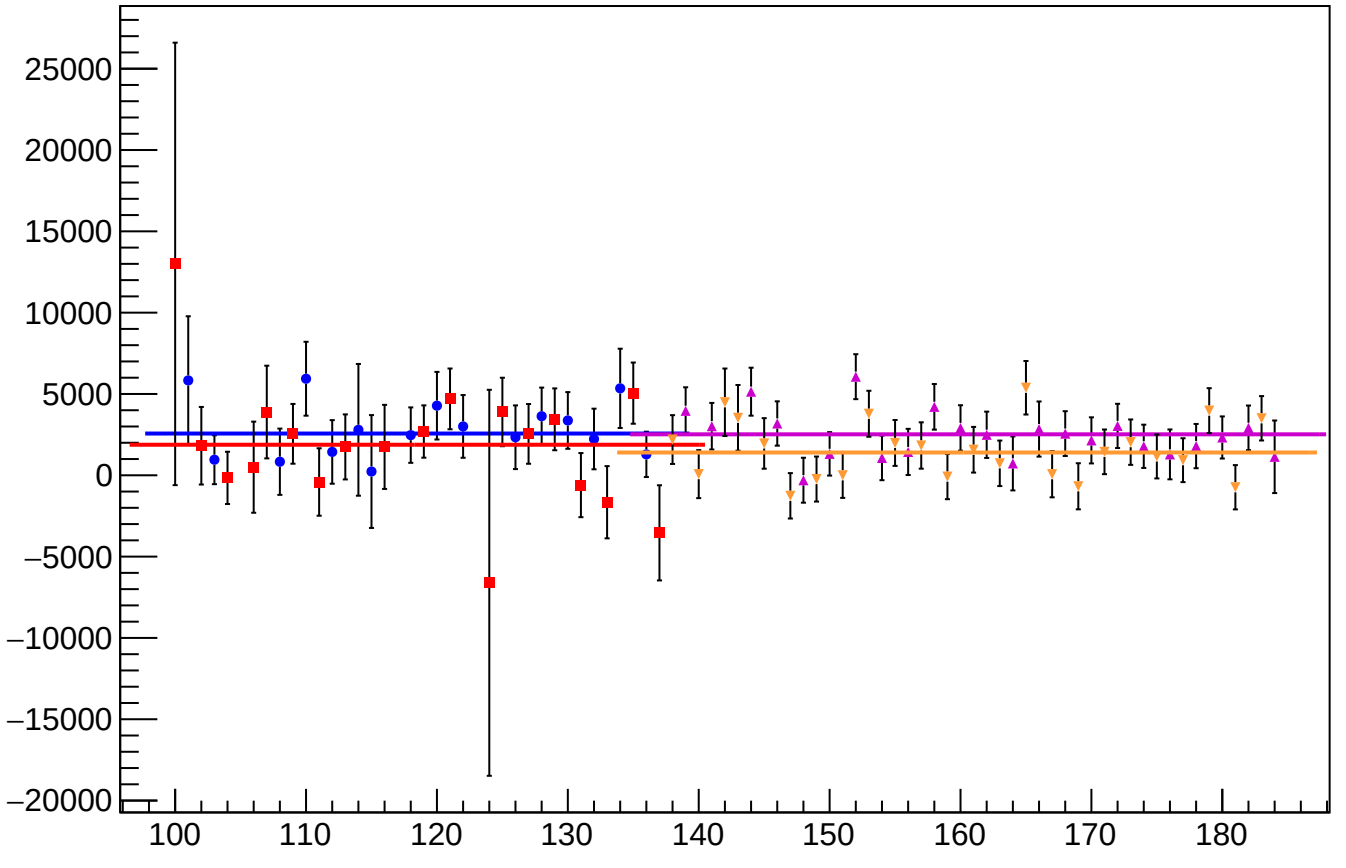
Left: 0.000+/-0.000 χ^2/NDF: 6556103.5/46

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:6009064.6/38

Out: 0.000+/-0.000 χ^2/NDF:6705937.3/42

All: 0.000+/-0.000 χ^2/NDF: 12967099.7/81



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: 2519.365+/-298.095 χ^2/NDF:22.5/22

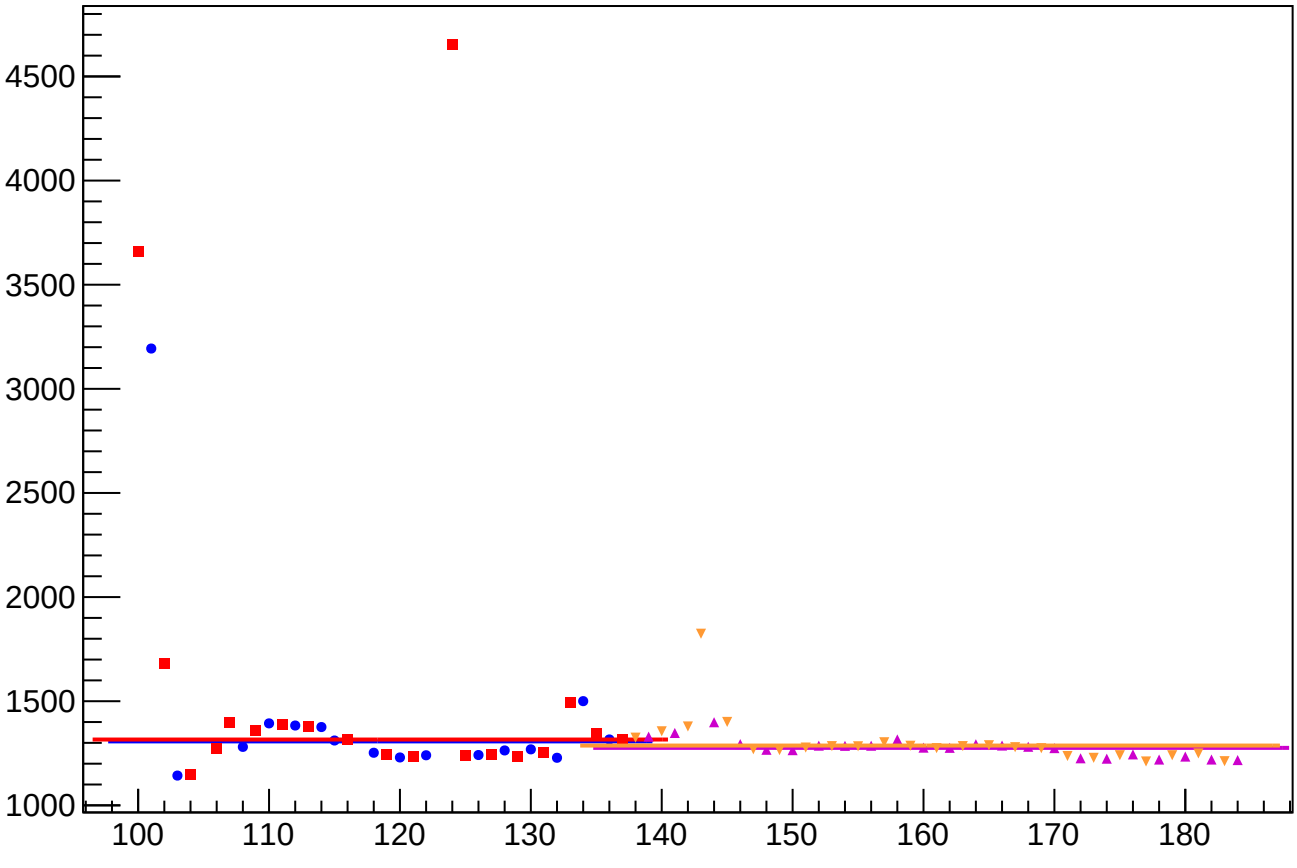
Left: 1954.861+/-209.711 χ^2/NDF: 62.2/46

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2532.151+/-255.415 χ^2/NDF:31.5/38

Out: 1526.707+/-253.424 χ^2/NDF:52.9/42

All: 2025.495+/-179.898 χ^2/NDF: 92.2/81



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: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1281.561+/-0.148 χ^2/NDF: 230858.1/46

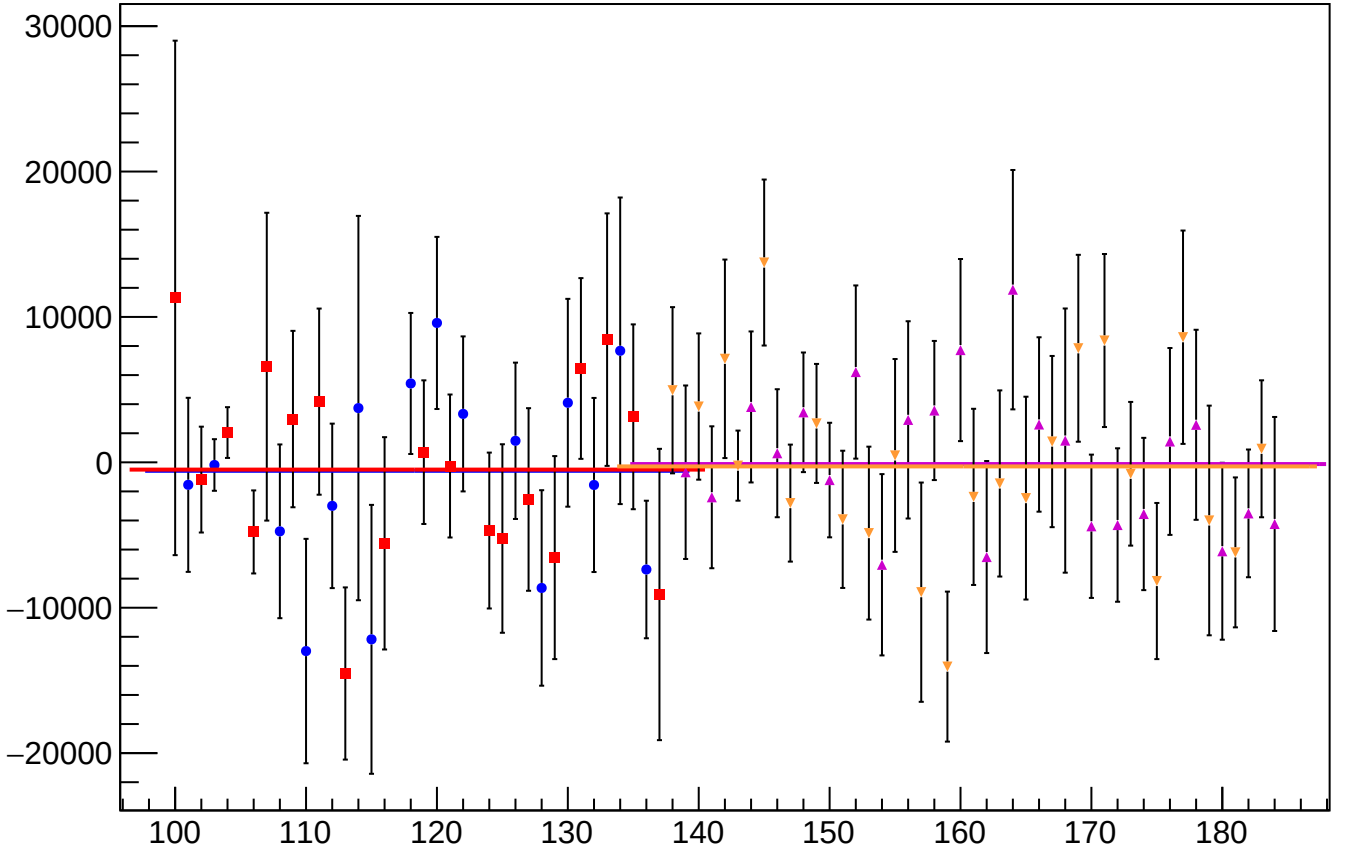
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1284.216+/-0.181 χ^2/NDF:563445.7/38

Out: 1294.690+/-0.179 χ^2/NDF:519536.2/42

All: 1289.498+/-0.127 χ^2/NDF: 1084678.0/81

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: -119.335+/-1144.695 χ^2/NDF:13.6/22

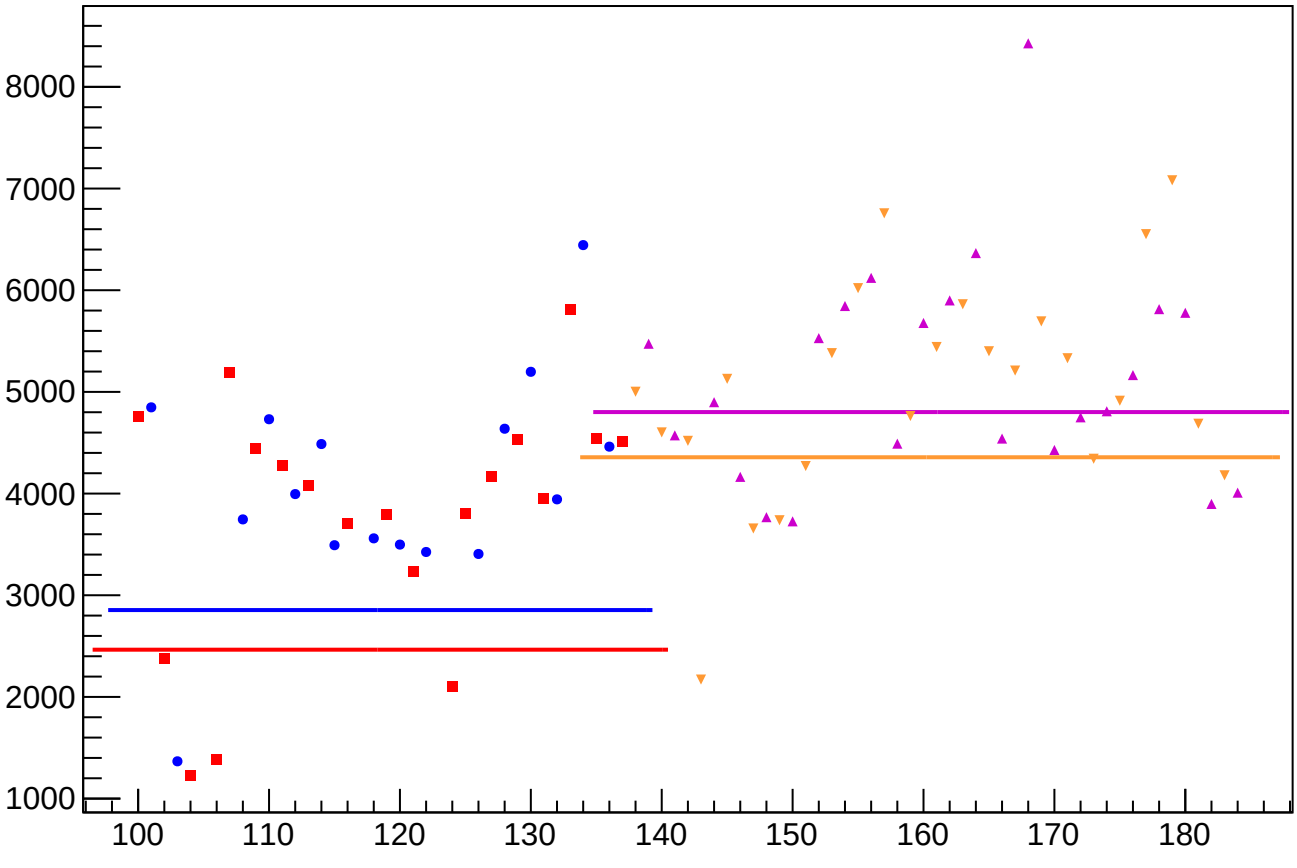
Left: -207.220+/-772.323 χ^2/NDF: 42.2/46

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -341.038+/-825.925 χ^2/NDF:28.4/38

Out: -389.431+/-743.081 χ^2/NDF:46.3/42

All: -367.782+/-552.411 χ^2/NDF: 74.7/81



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: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

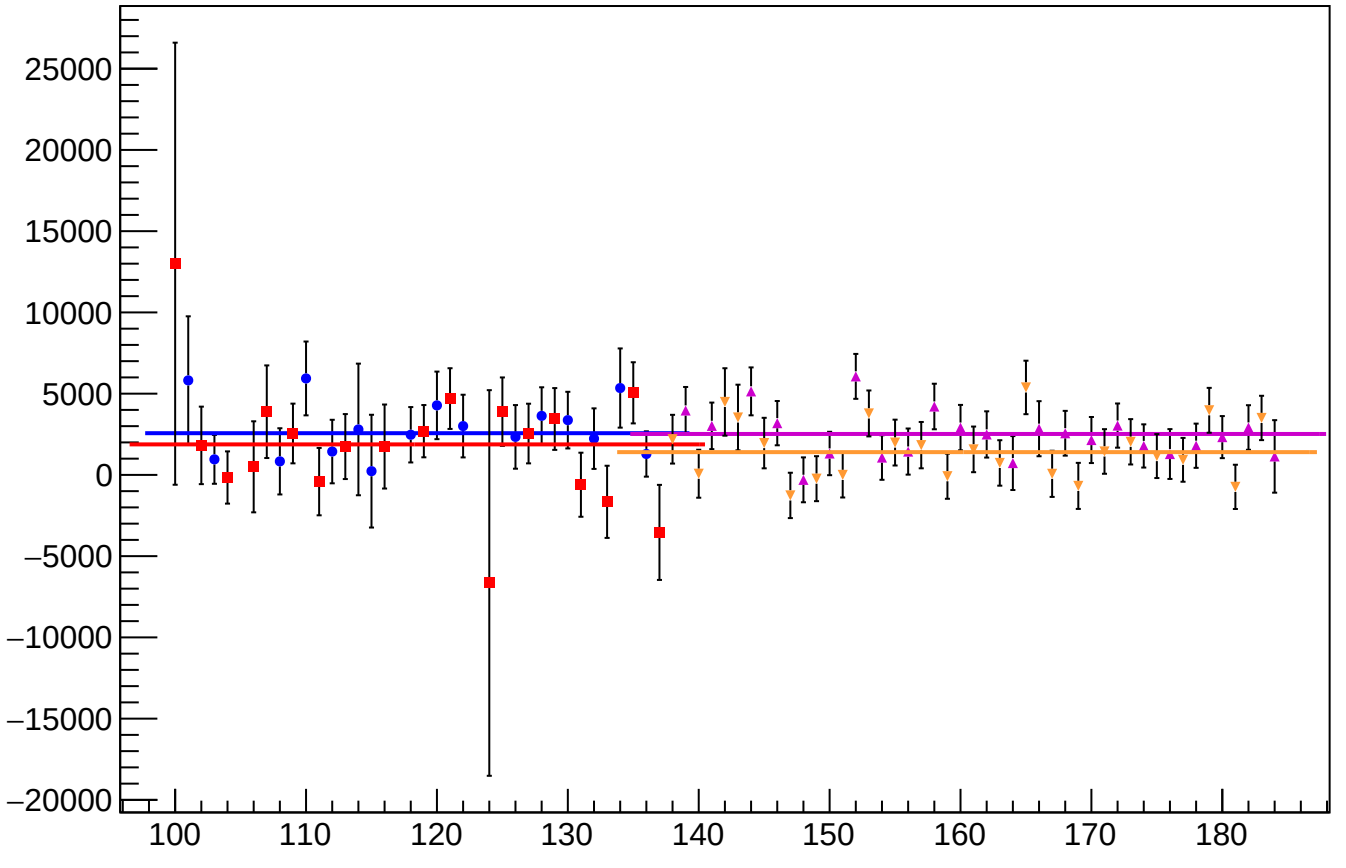
Left: 4559.470+/-0.546 χ^2/NDF: 4466736.1/46

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3868.044+/-0.584 χ^2/NDF:6911335.0/38

Out: 3419.039+/-0.525 χ^2/NDF:9669772.8/42

All: 3619.900+/-0.391 χ^2/NDF: 16907773.7/8



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: 2519.366+/-298.095 χ^2/NDF:22.5/22

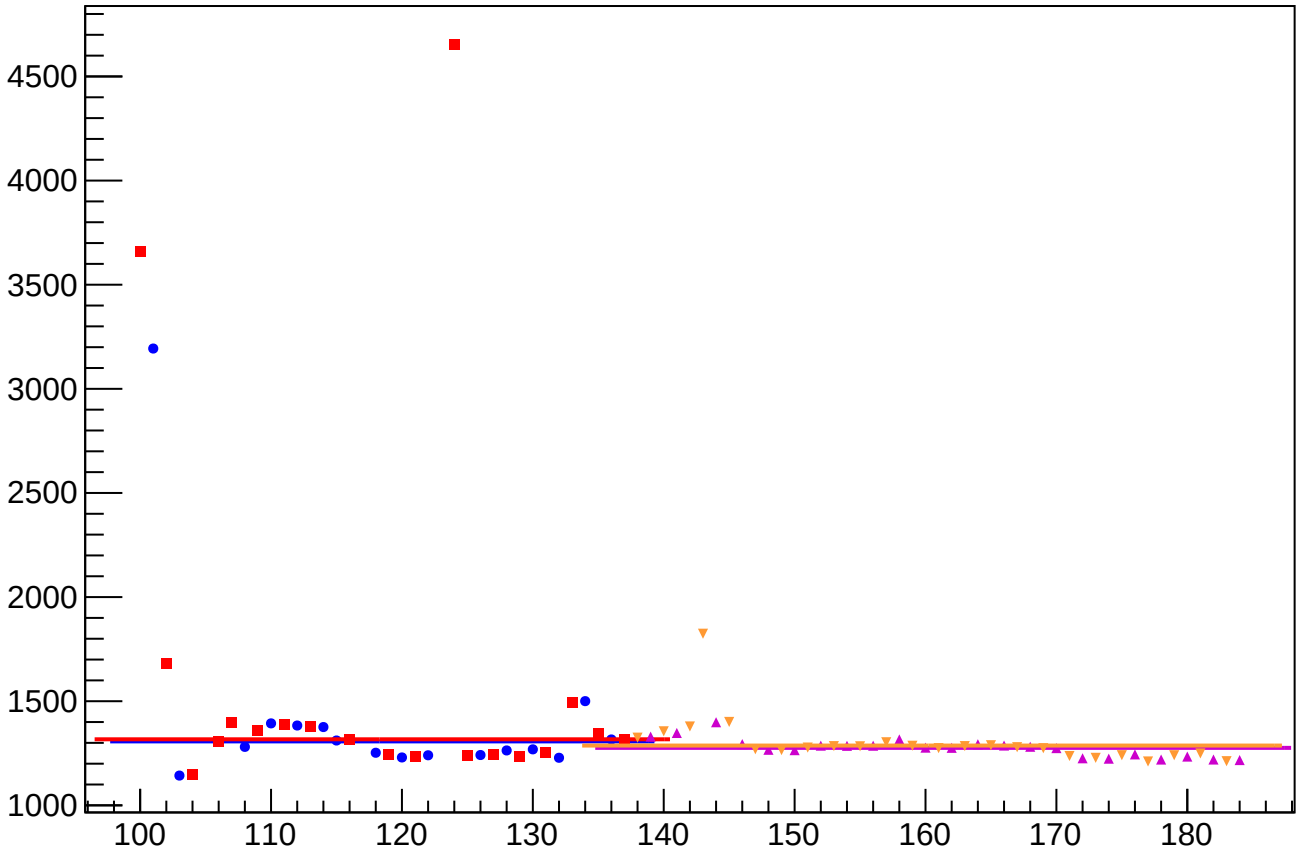
Left: 1954.829+/-209.711 χ^2/NDF: 62.2/46

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2532.078+/-255.415 χ^2/NDF:31.5/38

Out: 1526.593+/-253.424 χ^2/NDF:52.9/42

All: 2025.401+/-179.898 χ^2/NDF: 92.2/81



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: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1281.561+/-0.148 χ^2/NDF: 230858.1/46

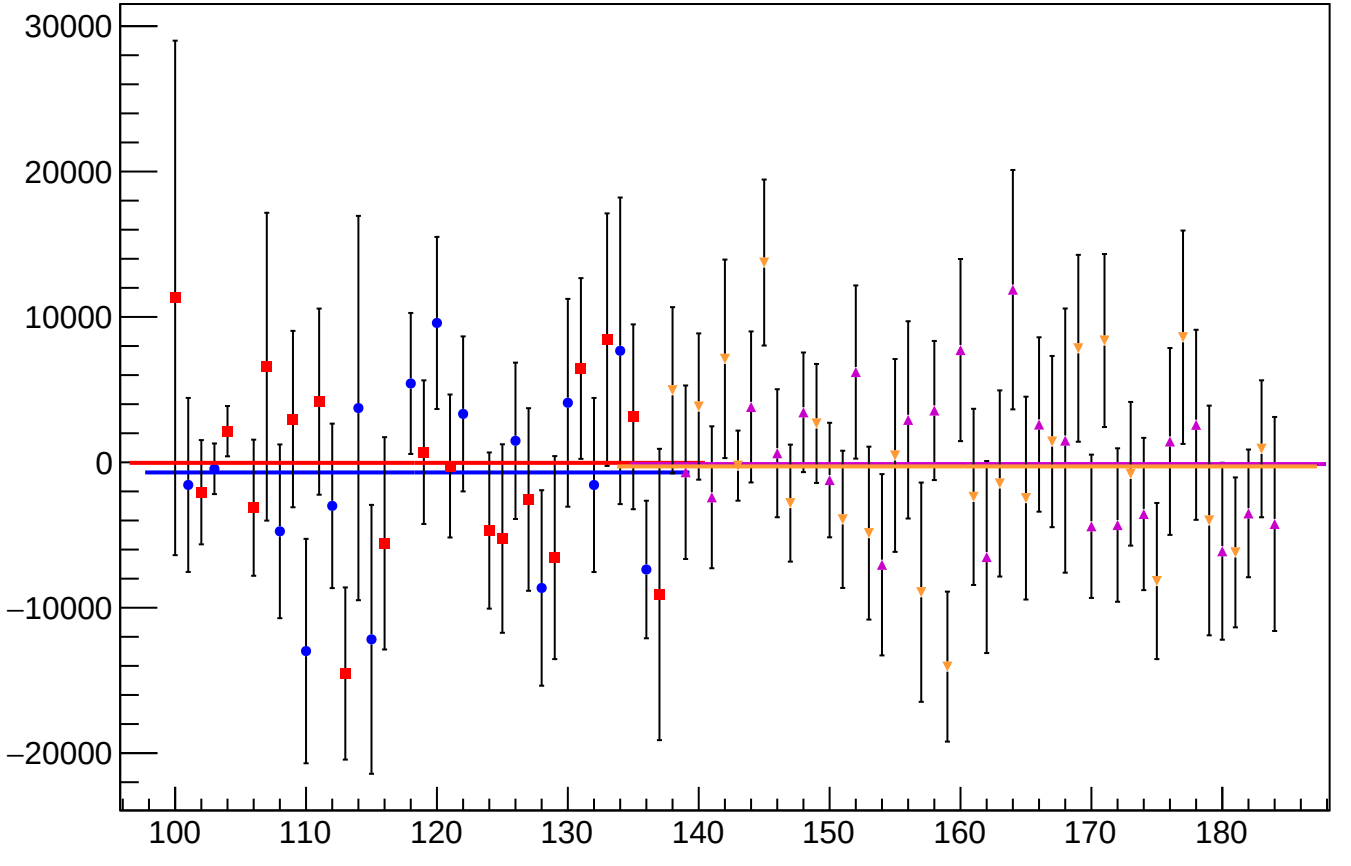
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1284.216+/-0.181 χ^2/NDF:563447.1/38

Out: 1294.979+/-0.179 χ^2/NDF:519439.7/42

All: 1289.642+/-0.127 χ^2/NDF: 1084677.2/81

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: -119.307+/-1144.695 χ^2/NDF:13.6/22

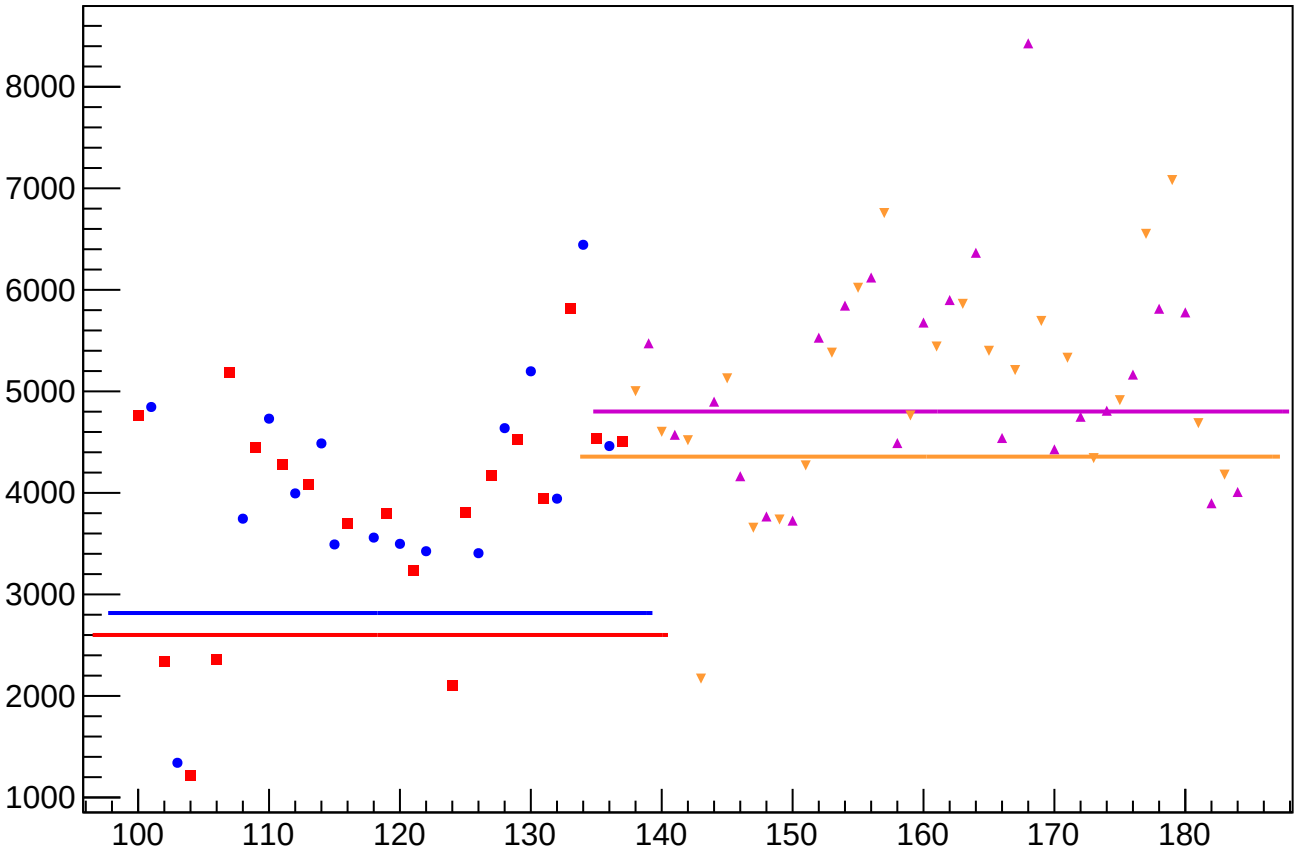
Left: -207.205+/-772.322 χ^2/NDF: 42.2/46

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -397.941+/-822.439 χ^2/NDF:28.4/38

Out: -164.290+/-757.559 χ^2/NDF:44.5/42

All: -271.537+/-557.202 χ^2/NDF: 73.0/81



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: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

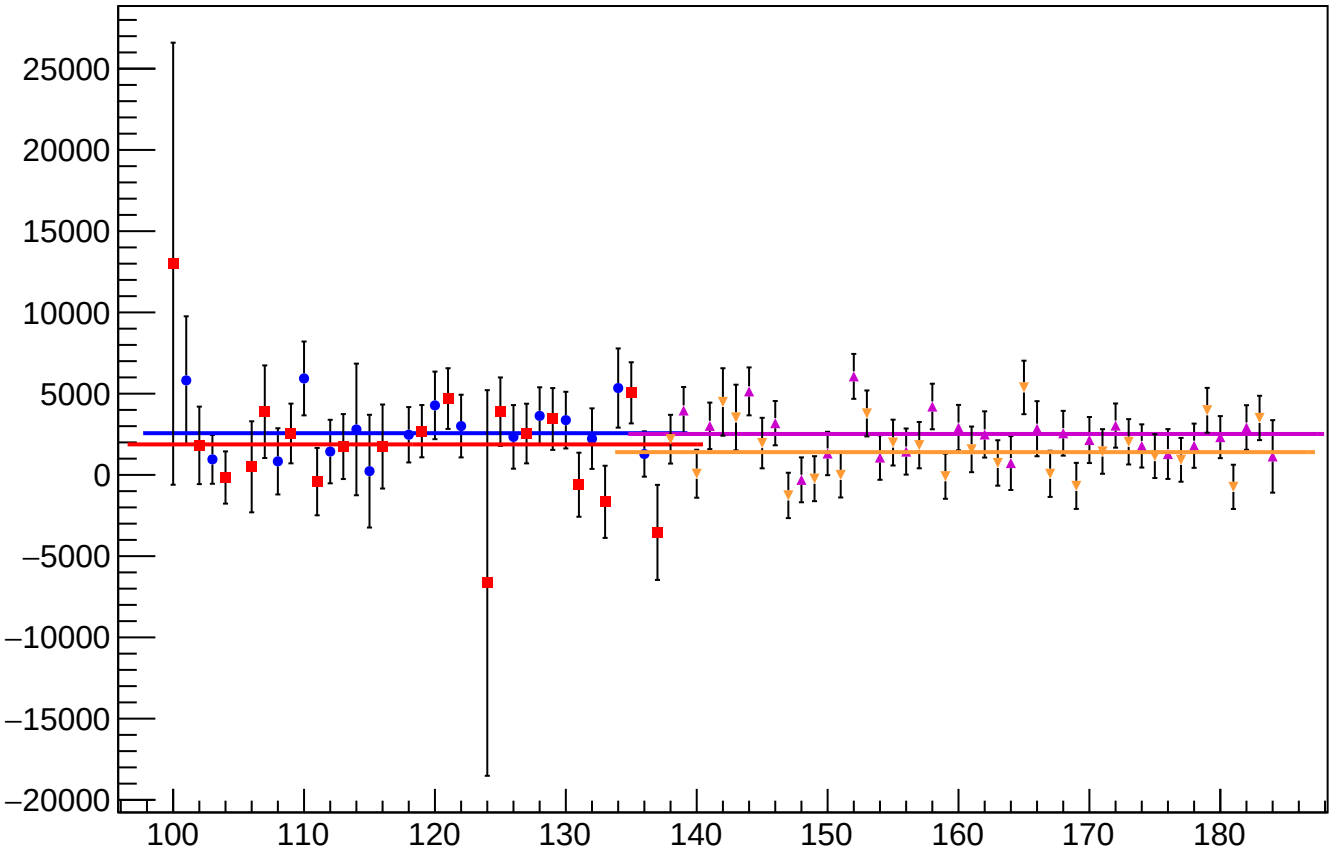
Left: 4559.459+/-0.546 χ^2/NDF: 4466850.3/46

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3841.355+/-0.582 χ^2/NDF:7148392.7/38

Out: 3521.272+/-0.536 χ^2/NDF:8833645.0/42

All: 3668.192+/-0.394 χ^2/NDF: 16145922.4/8



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: 2519.366+/-298.095 χ^2/NDF:22.5/22

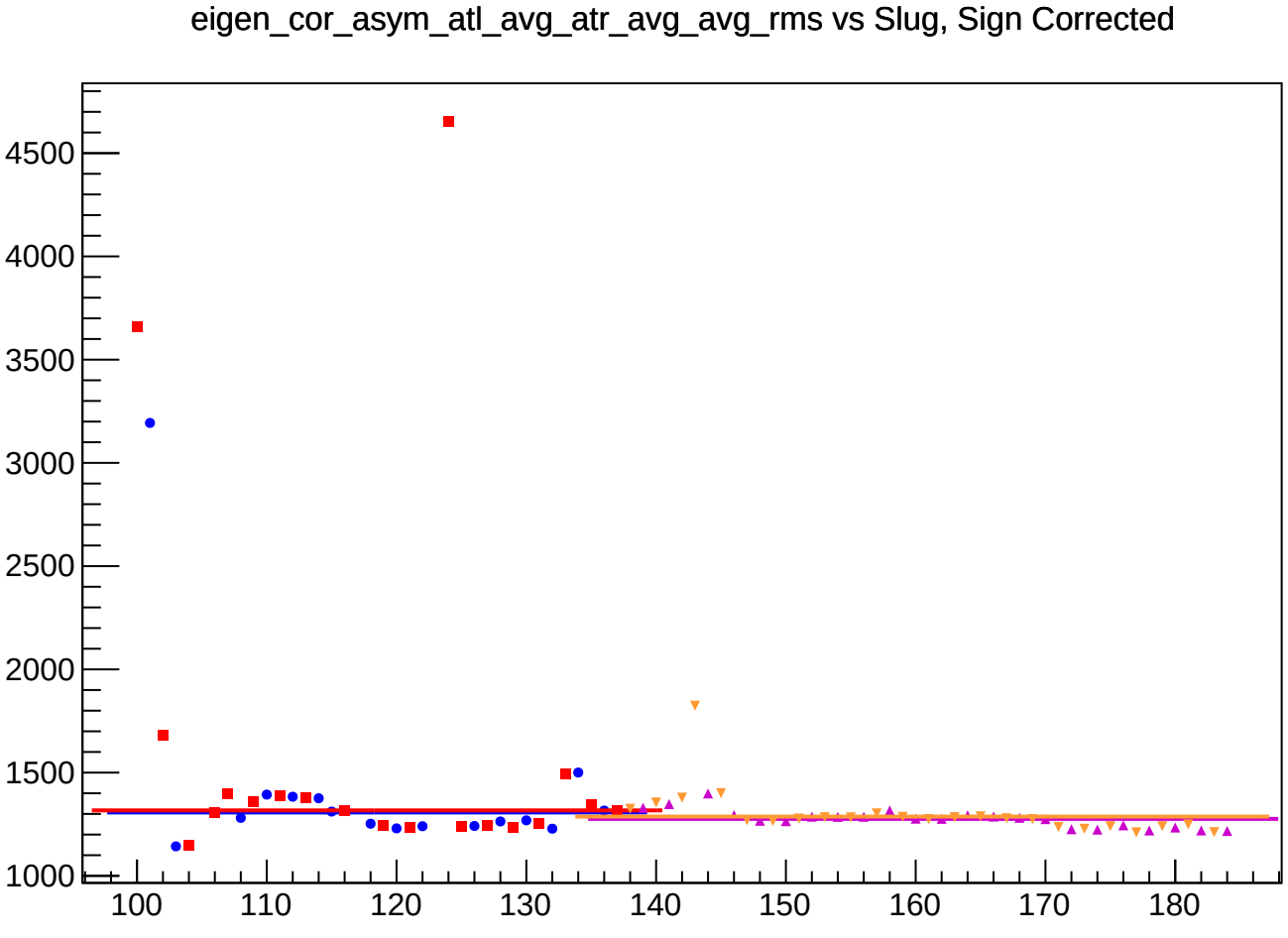
Left: 1954.829+/-209.711 χ^2/NDF: 62.2/46

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2532.078+/-255.415 χ^2/NDF:31.5/38

Out: 1526.593+/-253.424 χ^2/NDF:52.9/42

All: 2025.401+/-179.898 χ^2/NDF: 92.2/81



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: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1281.561+/-0.148 χ^2/NDF: 230858.1/46

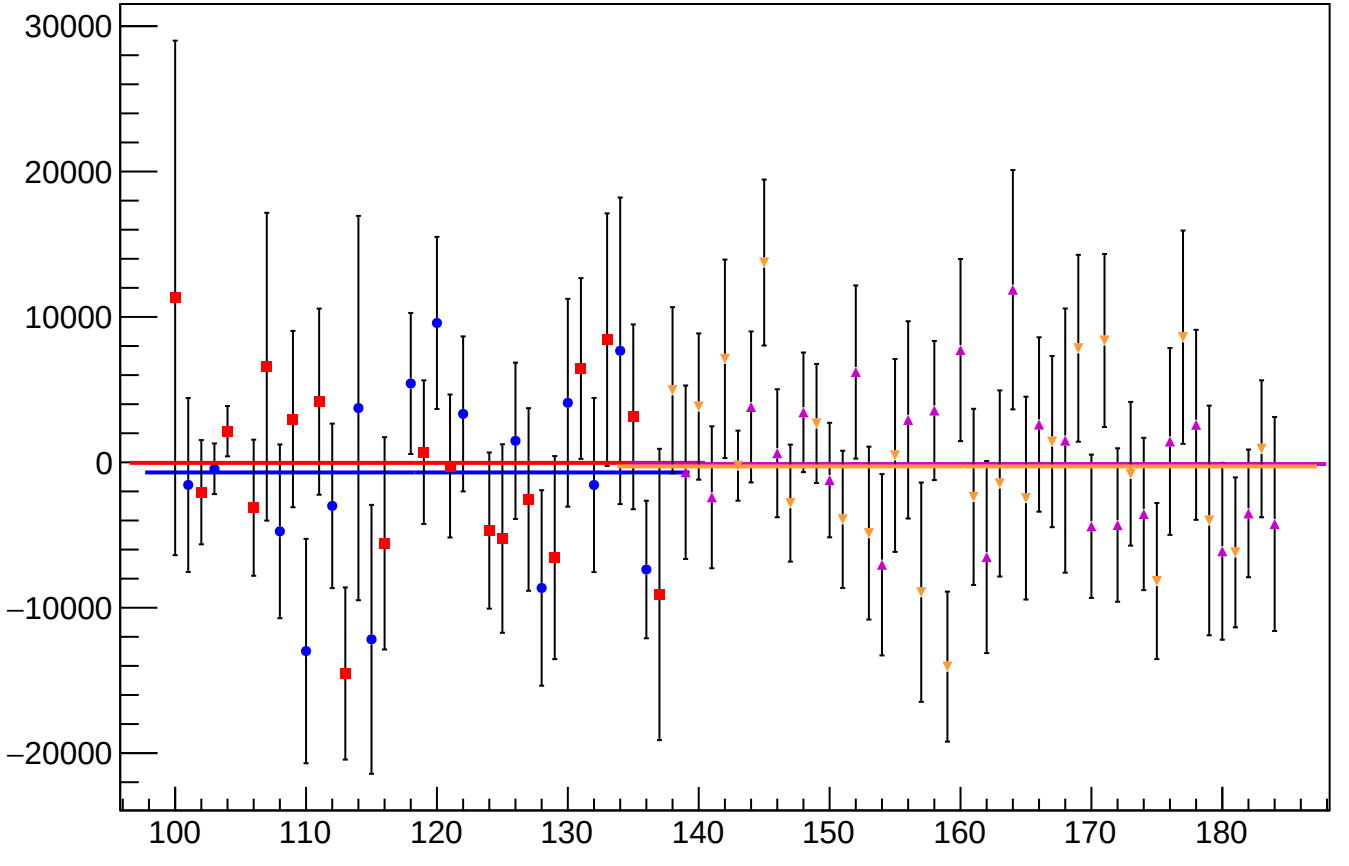
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1284.216+/-0.181 χ^2/NDF:563447.1/38

Out: 1294.979+/-0.179 χ^2/NDF:519439.7/42

All: 1289.642+/-0.127 χ^2/NDF: 1084677.2/81

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: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -207.205+/-772.322 χ^2/NDF: 42.2/46

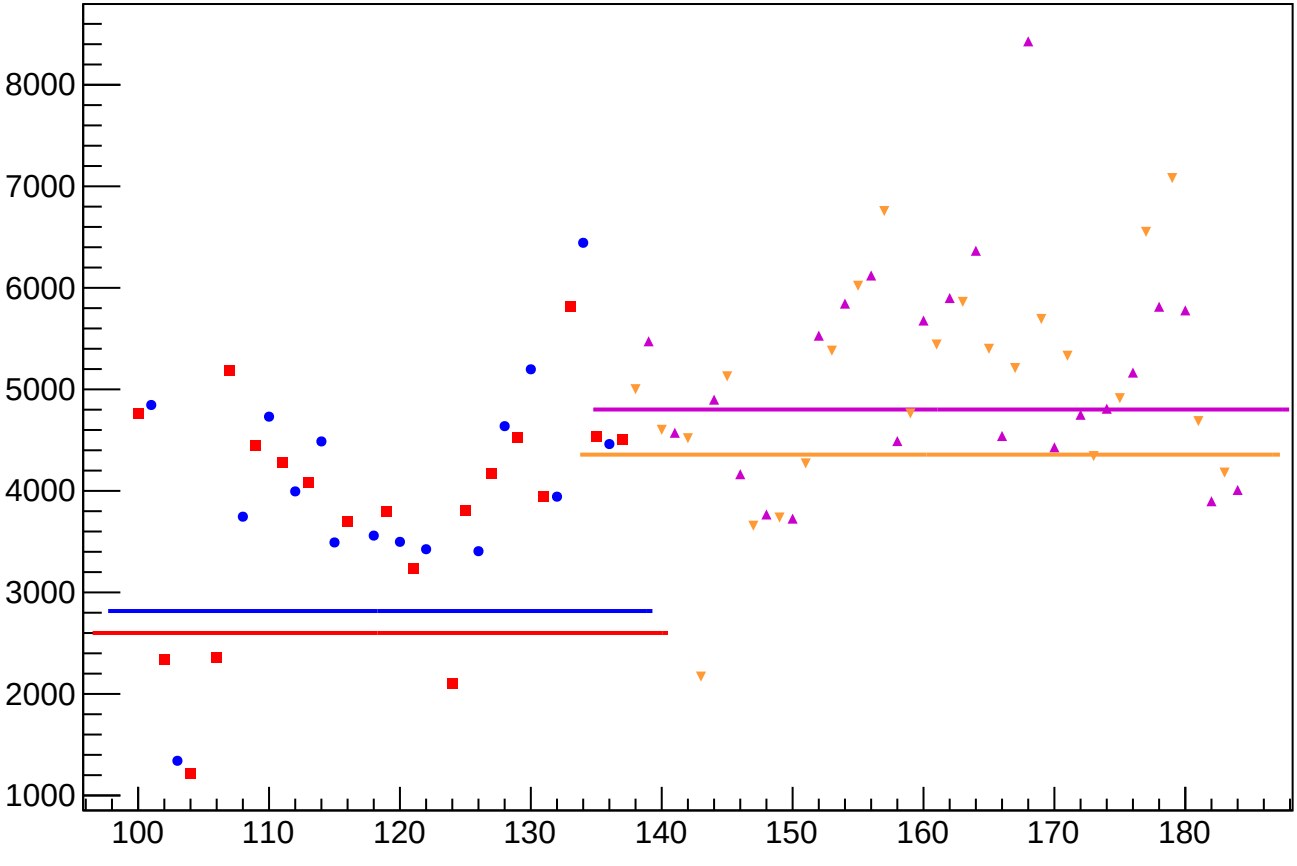
Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -397.941+/-822.439 χ^2/NDF:28.4/38

Out: -164.290+/-757.559 χ^2/NDF:44.5/42

All: -271.537+/-557.202 χ^2/NDF: 73.0/81

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: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

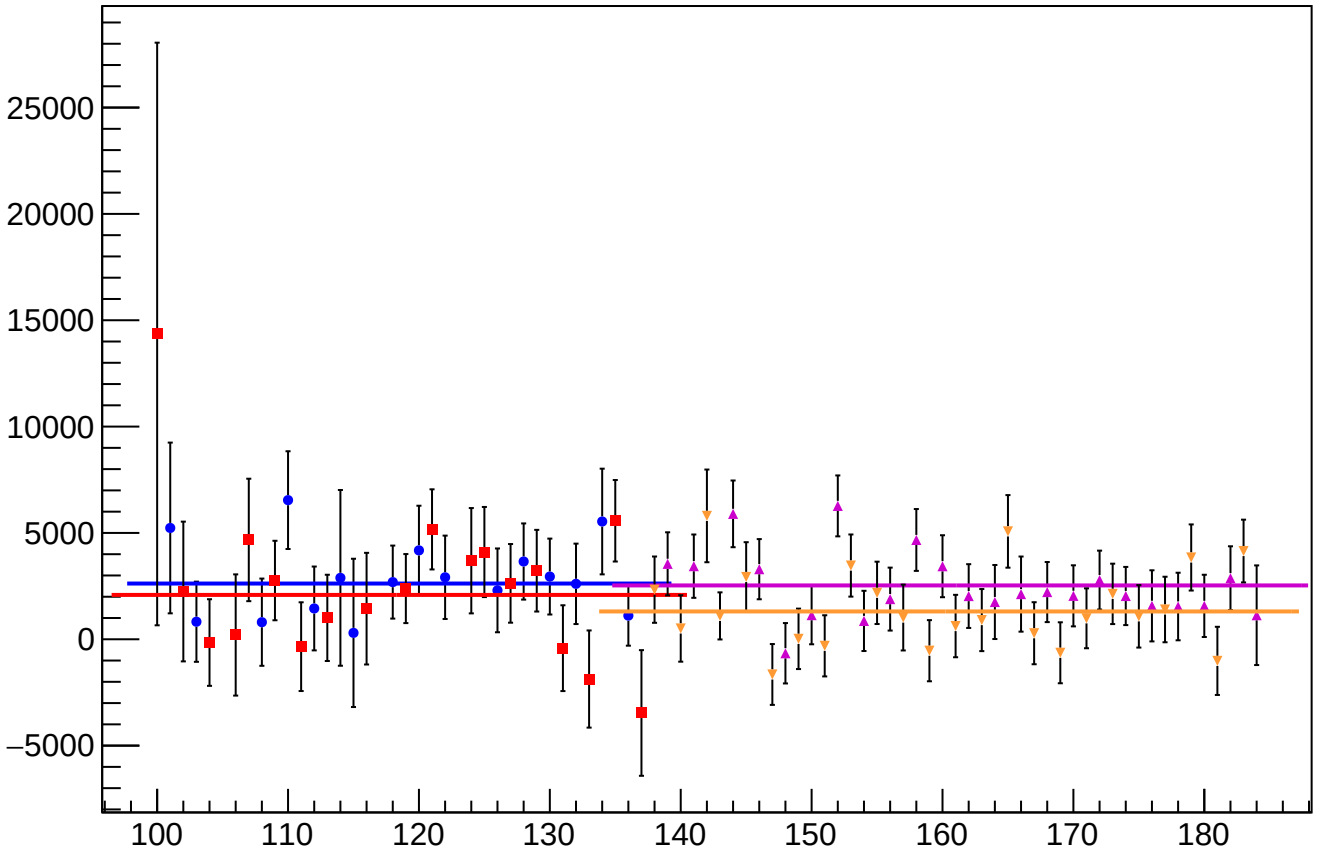
Left: 4559.459+/-0.546 χ^2/NDF: 4466850.3/46

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3841.355+/-0.582 χ^2/NDF:7148392.7/38

Out: 3521.272+/-0.536 χ^2/NDF:8833645.0/42

All: 3668.192+/-0.394 χ^2/NDF: 16145922.4/8



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: 2531.791+/-312.886 χ^2/NDF:25.0/22

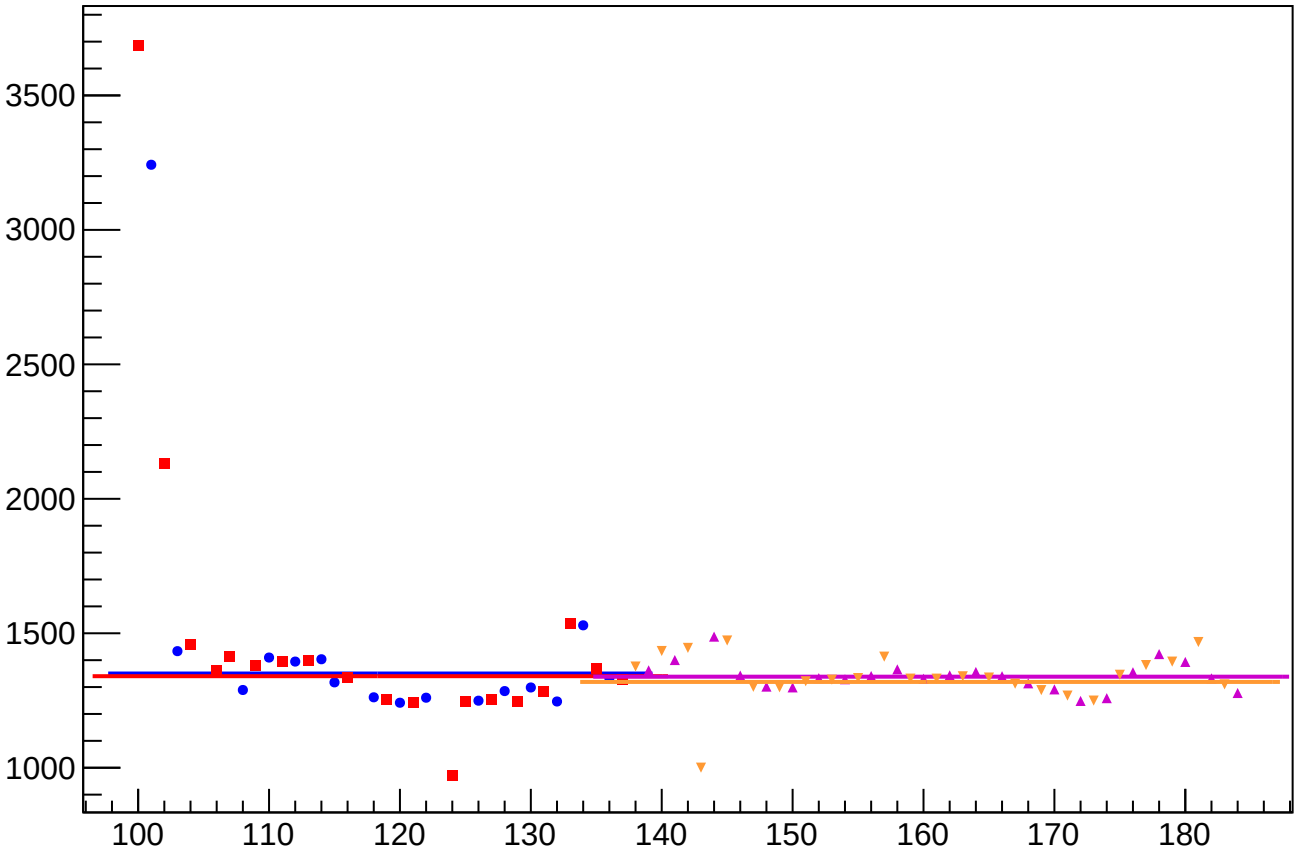
Left: 1899.902+/-217.583 χ^2/NDF: 65.9/46

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2555.954+/-266.911 χ^2/NDF:34.4/38

Out: 1513.823+/-259.664 χ^2/NDF:55.6/42

All: 2020.549+/-186.120 χ^2/NDF: 97.8/81



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: 1338.602+/-0.221 χ^2/NDF:54248.5/22

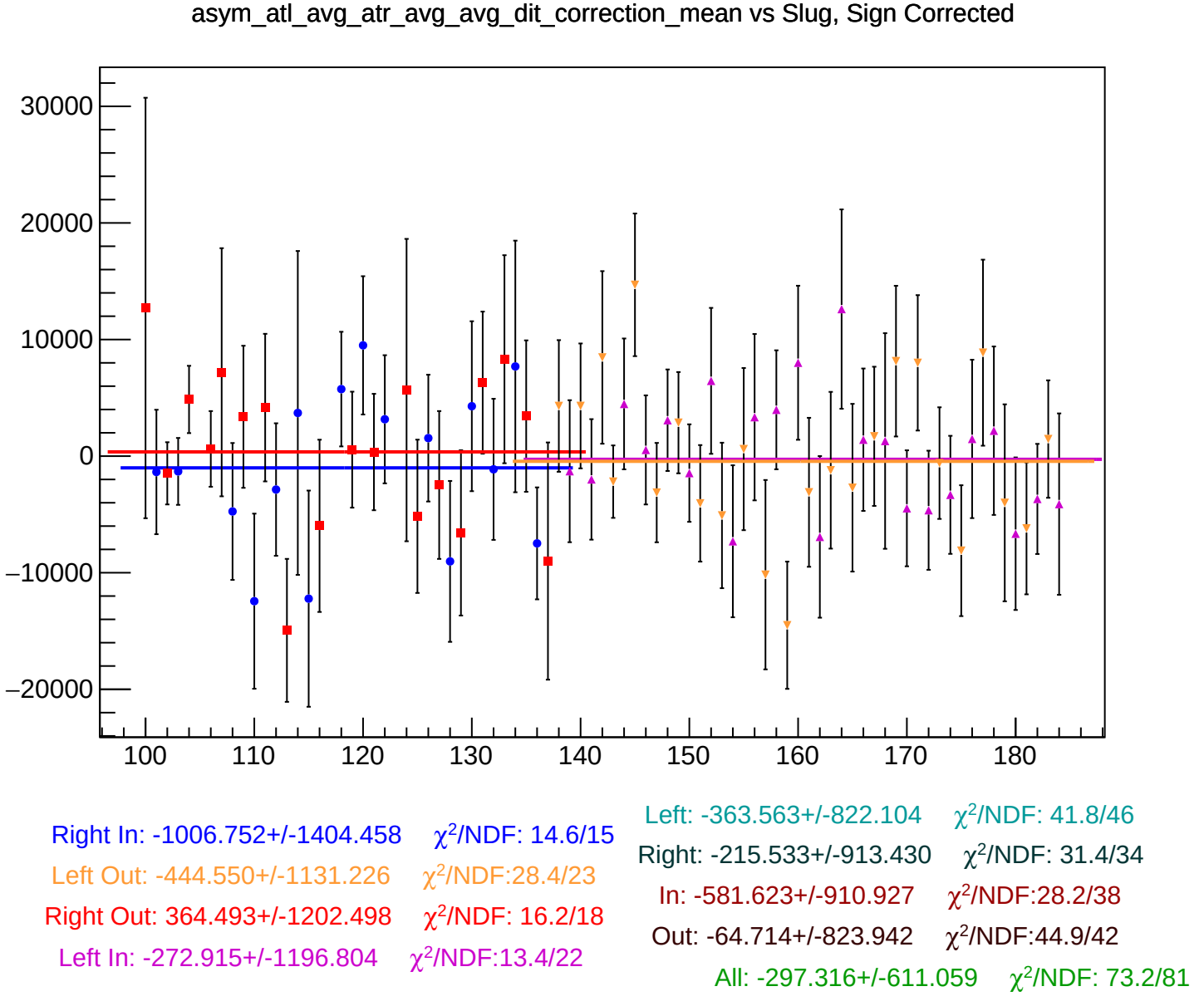
Left: 1328.521+/-0.154 χ^2/NDF: 305609.3/46

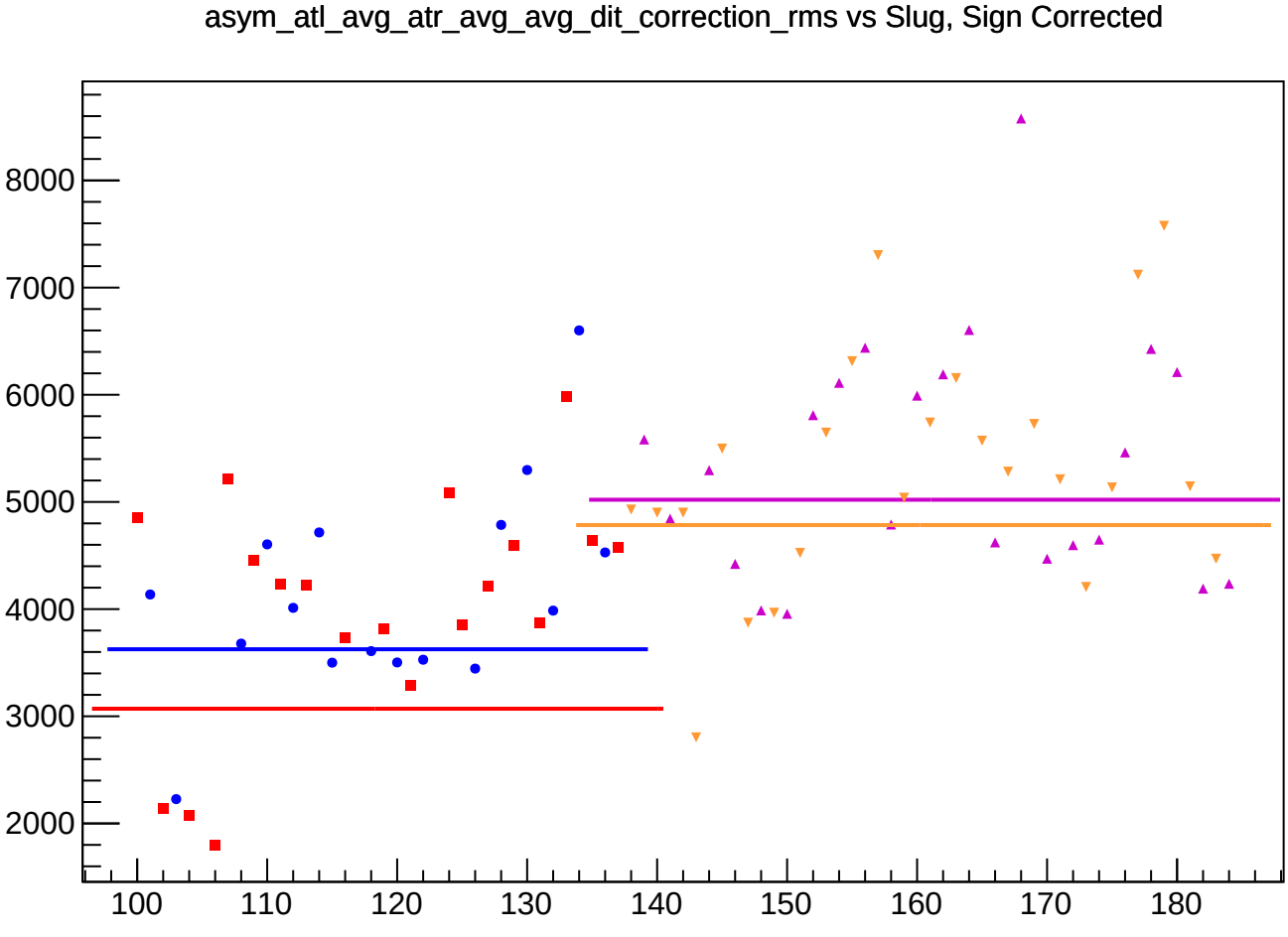
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1341.806+/-0.189 χ^2/NDF:549069.7/38

Out: 1324.732+/-0.184 χ^2/NDF:522156.0/42

All: 1333.033+/-0.132 χ^2/NDF: 1075431.1/81


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: -272.915+/-1196.804 χ²/NDF:13.4/22
Left: -363.563+/-822.104 χ²/NDF: 41.8/46
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -581.623+/-910.927 χ²/NDF:28.2/38
Out: -64.714+/-823.942 χ²/NDF:44.9/42
All: -297.316+/-611.059 χ²/NDF: 73.2/81



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: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

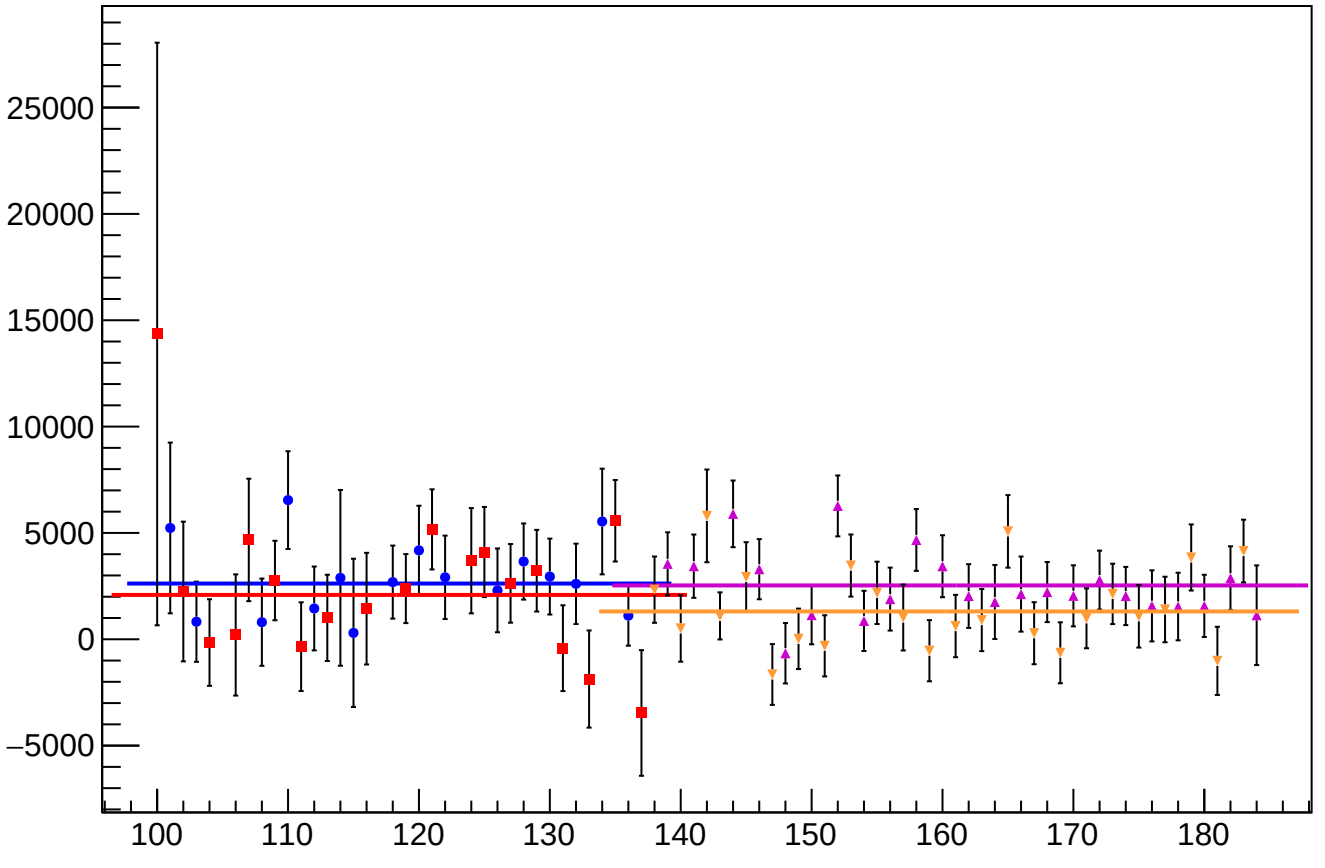
Left: 4895.675+/-0.581 χ^2/NDF: 3271208.4/46

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4433.695+/-0.644 χ^2/NDF:3313168.0/38

Out: 3979.558+/-0.583 χ^2/NDF:5998328.9/42

All: 4183.914+/-0.432 χ^2/NDF: 9584903.9/81



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: 2531.791+/-312.887 χ^2/NDF:25.0/22

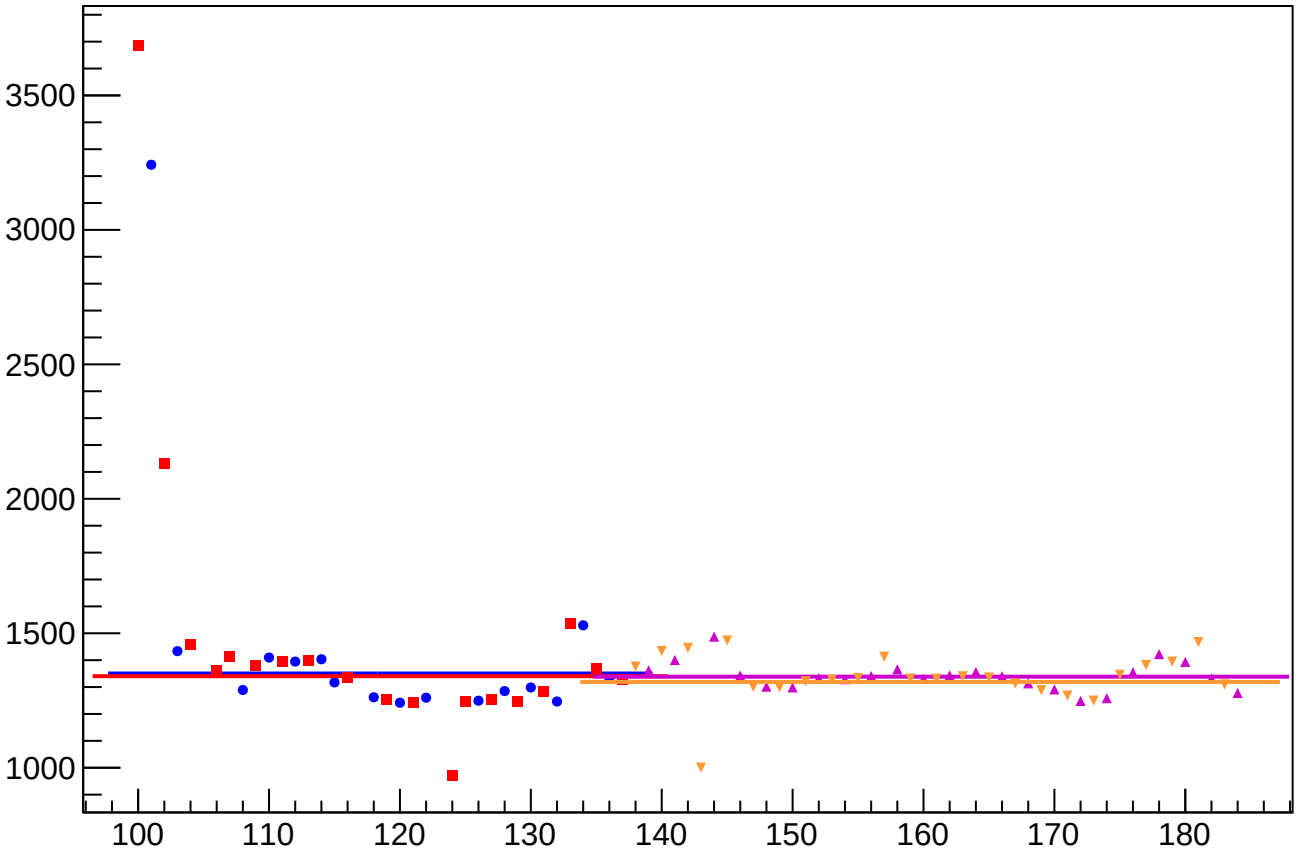
Left: 1899.900+/-217.583 χ^2/NDF: 65.9/46

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2555.955+/-266.912 χ^2/NDF:34.4/38

Out: 1513.821+/-259.664 χ^2/NDF:55.6/42

All: 2020.547+/-186.120 χ^2/NDF: 97.8/81



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: 1338.604+/-0.221 χ^2/NDF:54251.0/22

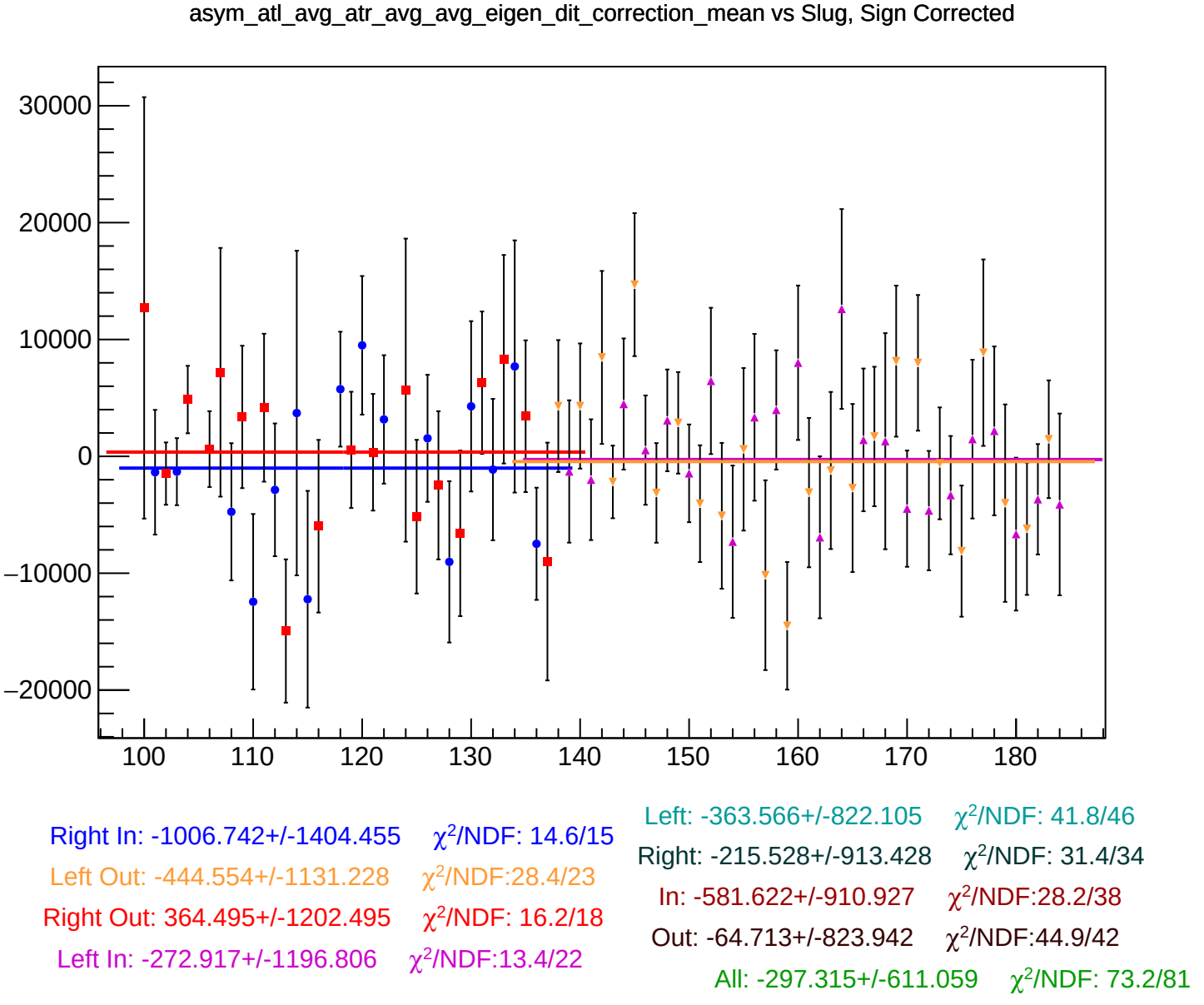
Left: 1328.522+/-0.154 χ^2/NDF: 305614.5/46

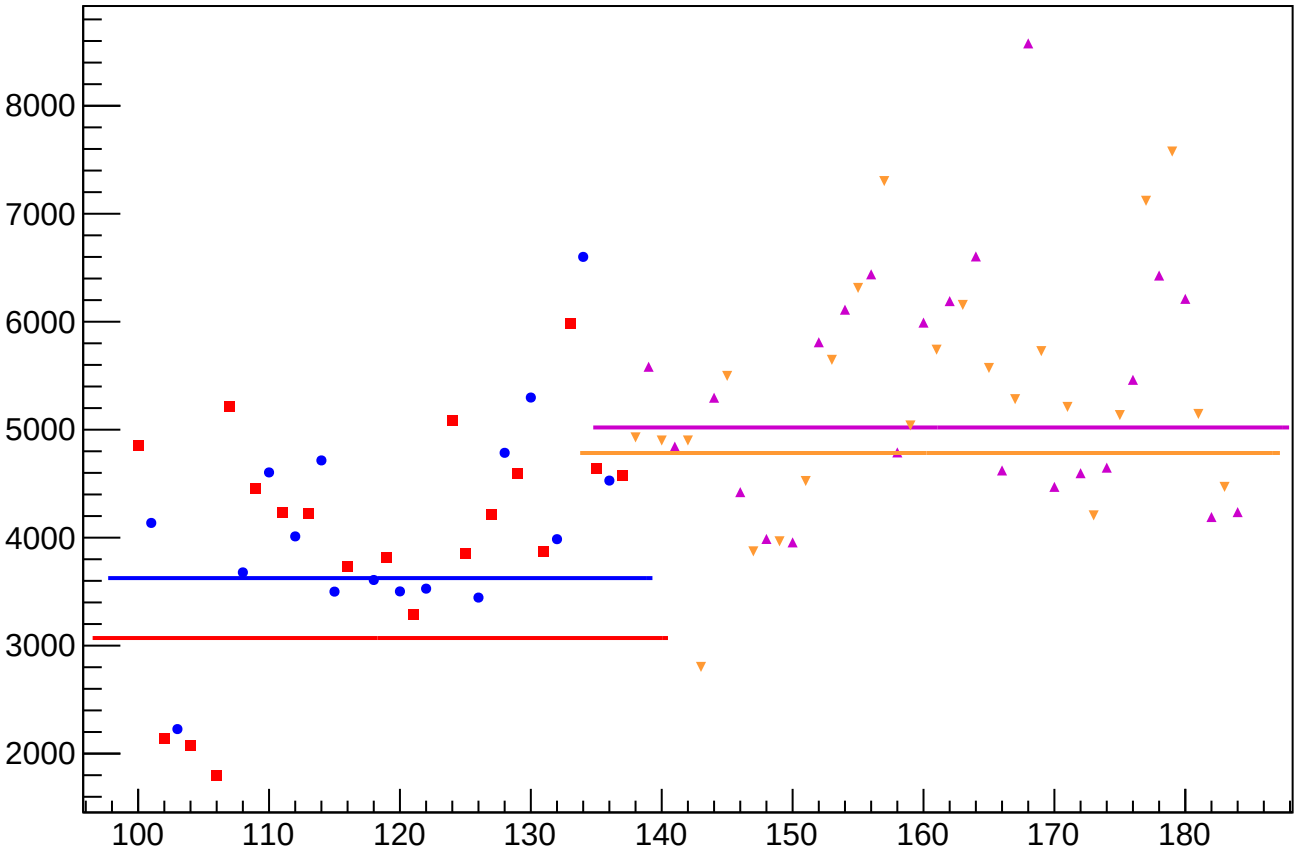
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1341.807+/-0.189 χ^2/NDF:549072.1/38

Out: 1324.733+/-0.184 χ^2/NDF:522157.2/42

All: 1333.034+/-0.132 χ^2/NDF: 1075434.7/81


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: -272.917+/-1196.806 χ²/NDF:13.4/22
Left: -363.566+/-822.105 χ²/NDF: 41.8/46
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -581.622+/-910.927 χ²/NDF:28.2/38
Out: -64.713+/-823.942 χ²/NDF:44.9/42
All: -297.315+/-611.059 χ²/NDF: 73.2/81



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: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

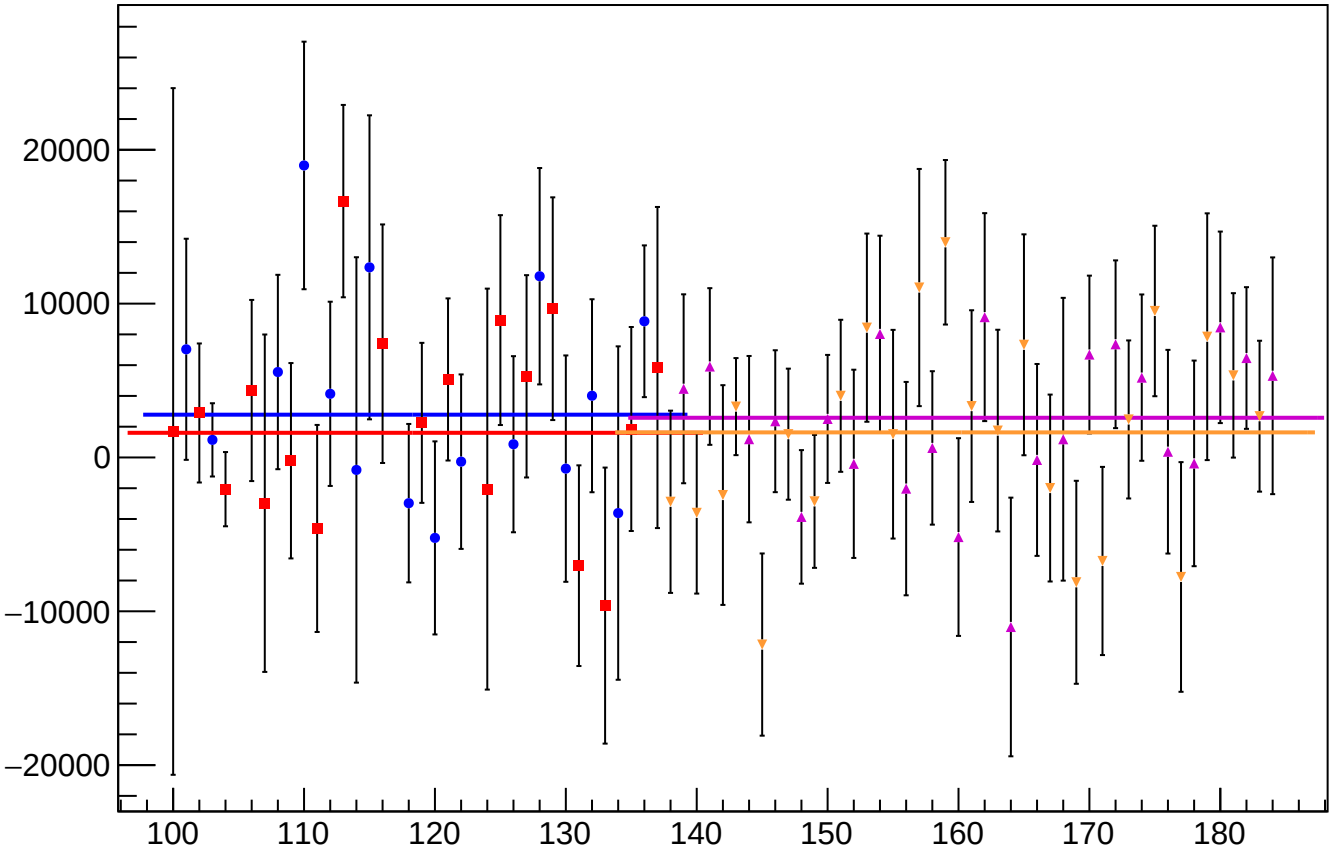
Left: 4895.682+/-0.581 χ^2/NDF: 3271213.3/46

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4433.693+/-0.644 χ^2/NDF:3313202.6/38

Out: 3979.554+/-0.583 χ^2/NDF:5998377.0/42

All: 4183.911+/-0.432 χ^2/NDF: 9584988.5/81



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: 2579.960+/-1188.448 χ^2/NDF:13.3/22

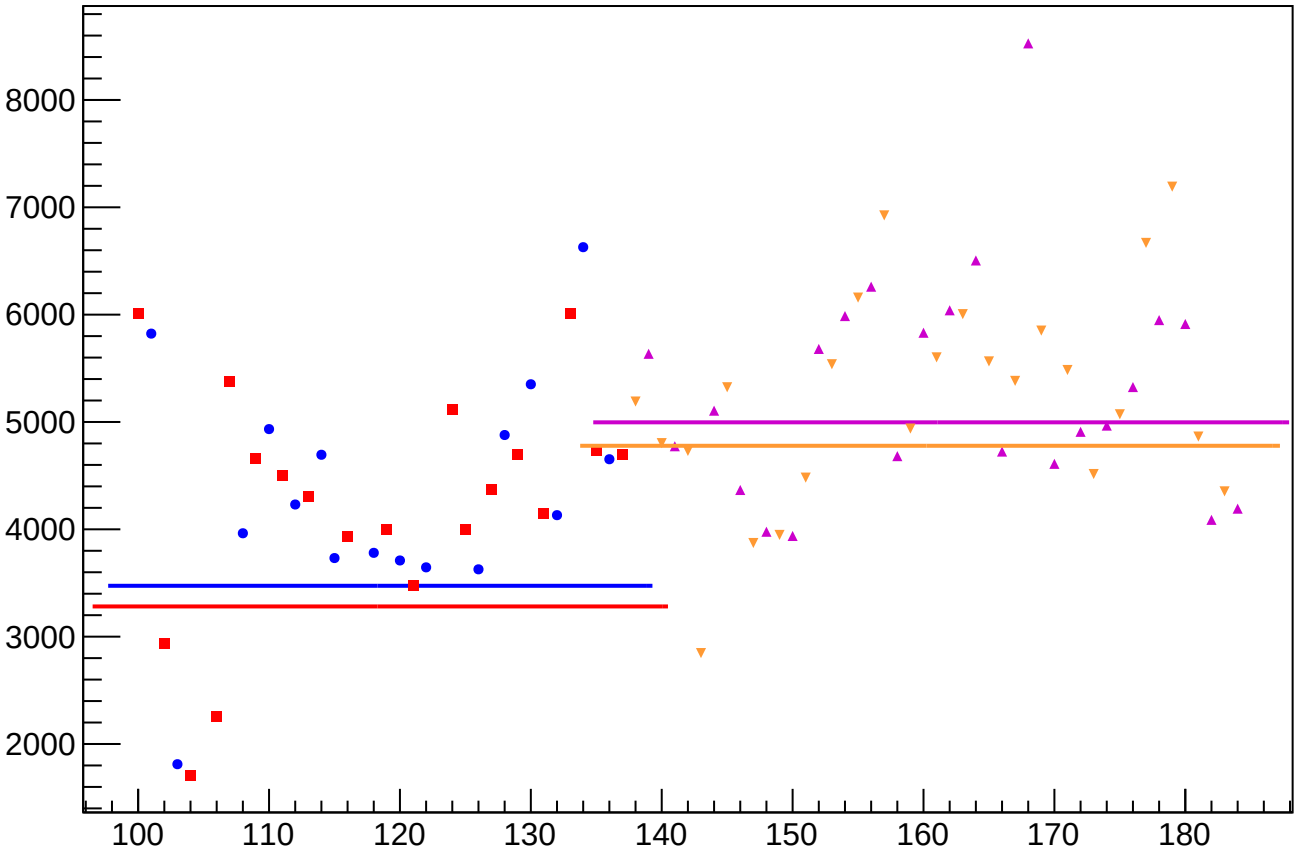
Left: 2079.066+/-817.318 χ^2/NDF: 40.5/46

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2664.848+/-903.139 χ^2/NDF:26.4/38

Out: 1618.394+/-861.180 χ^2/NDF:43.7/42

All: 2116.749+/-623.252 χ^2/NDF: 70.8/81



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: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

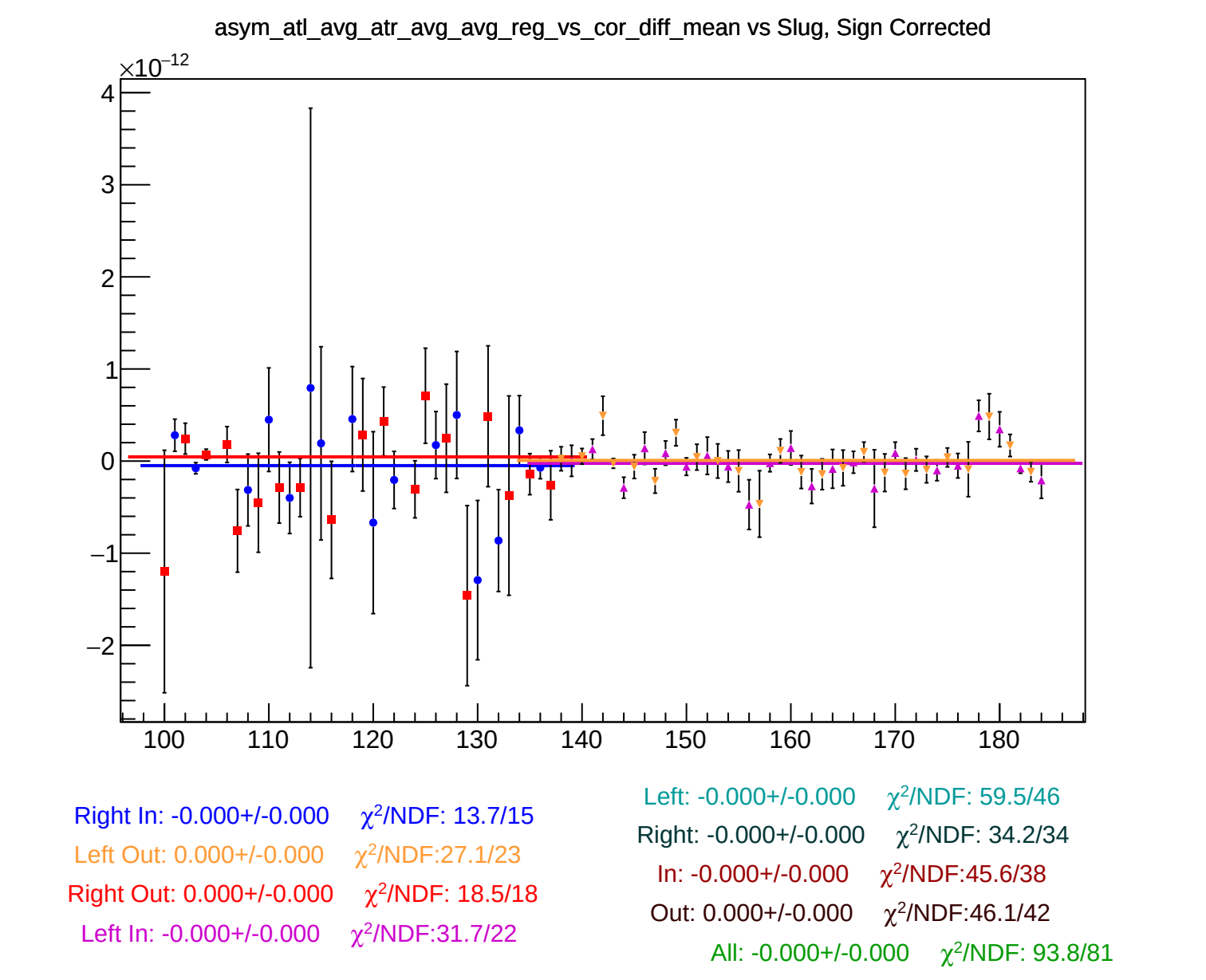
Left: 4881.588+/-0.578 χ^2/NDF: 2913895.5/46

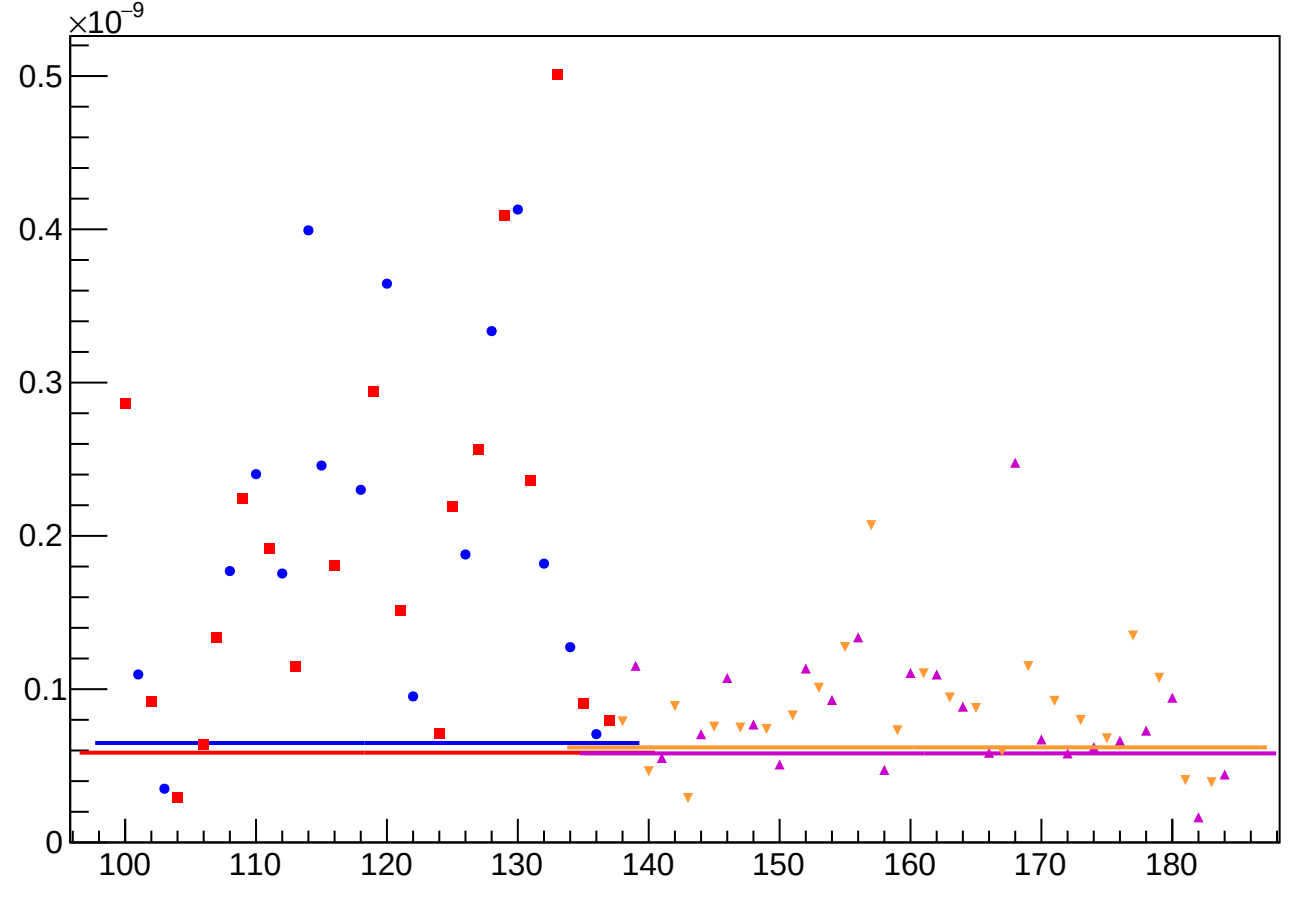
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4353.316+/-0.639 χ^2/NDF:4327243.6/38

Out: 4147.271+/-0.605 χ^2/NDF:5148233.4/42

All: 4244.805+/-0.439 χ^2/NDF: 9530299.5/81


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:31.7/22
Left: -0.000+/-0.000 χ²/NDF: 59.5/46
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:45.6/38
Out: 0.000+/-0.000 χ²/NDF:46.1/42
All: -0.000+/-0.000 χ²/NDF: 93.8/81



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:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432499.7/46

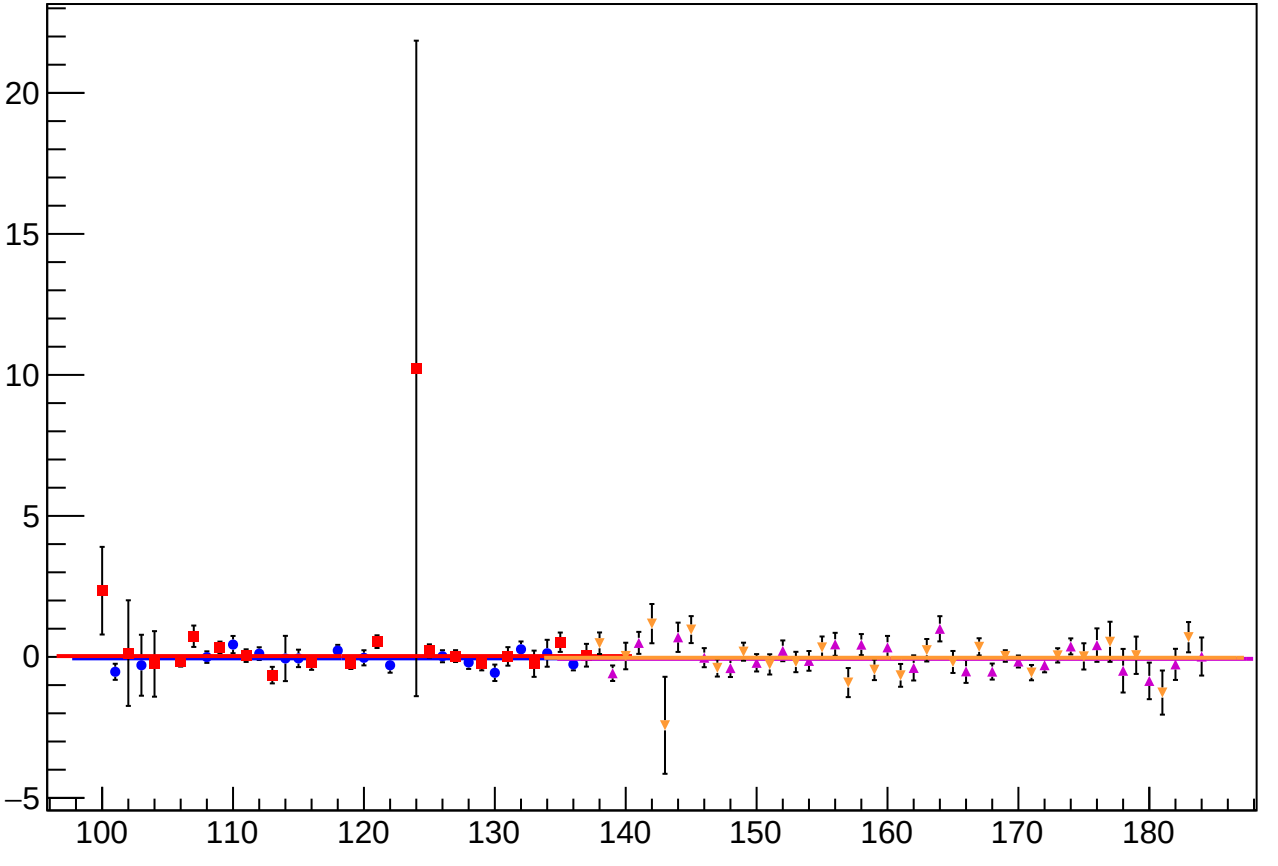
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:5589715.4/38

Out: 0.000+/-0.000 χ^2/NDF:5306499.4/42

All: 0.000+/-0.000 χ^2/NDF: 10901112.8/81

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: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.050+/-0.054 χ^2/NDF: 62.3/46

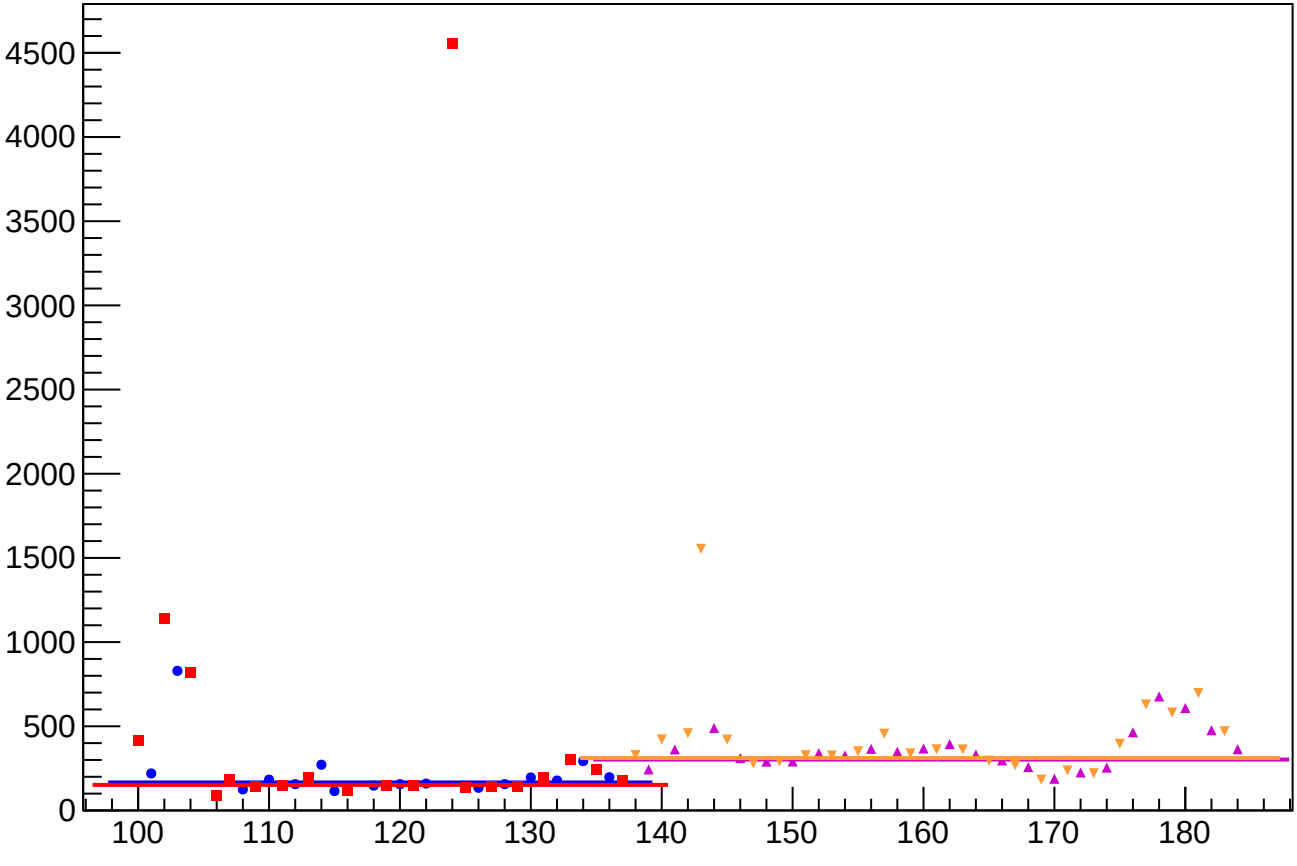
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.050 χ^2/NDF:44.8/38

Out: 0.005+/-0.049 χ^2/NDF:60.2/42

All: -0.027+/-0.035 χ^2/NDF: 105.8/81

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: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 306.664+/-0.038 χ^2/NDF: 7153605.1/46

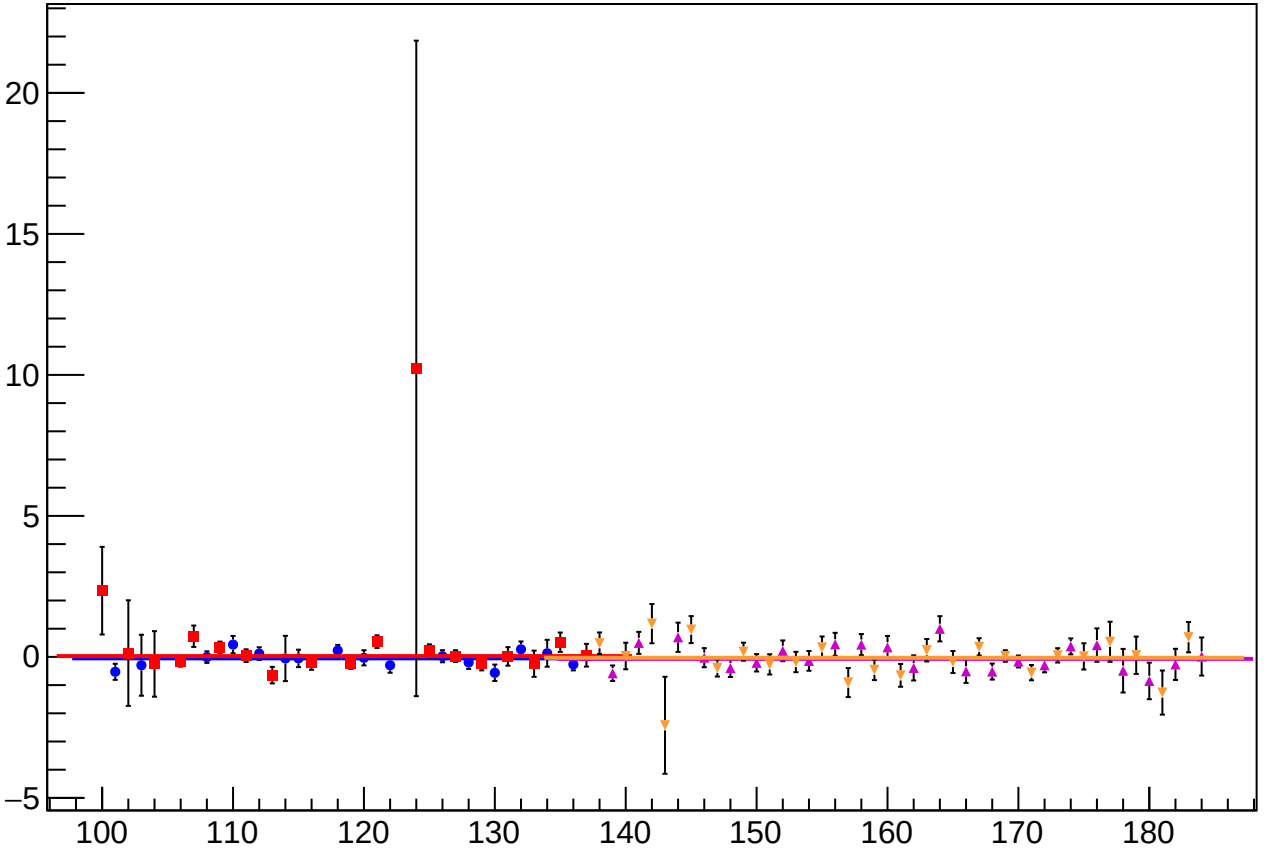
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 226.549+/-0.035 χ^2/NDF:7768710.1/38

Out: 216.883+/-0.035 χ^2/NDF:11710109.0/42

All: 221.660+/-0.025 χ^2/NDF: 19516901.3/81

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: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.050+/-0.054 χ^2/NDF: 62.3/46

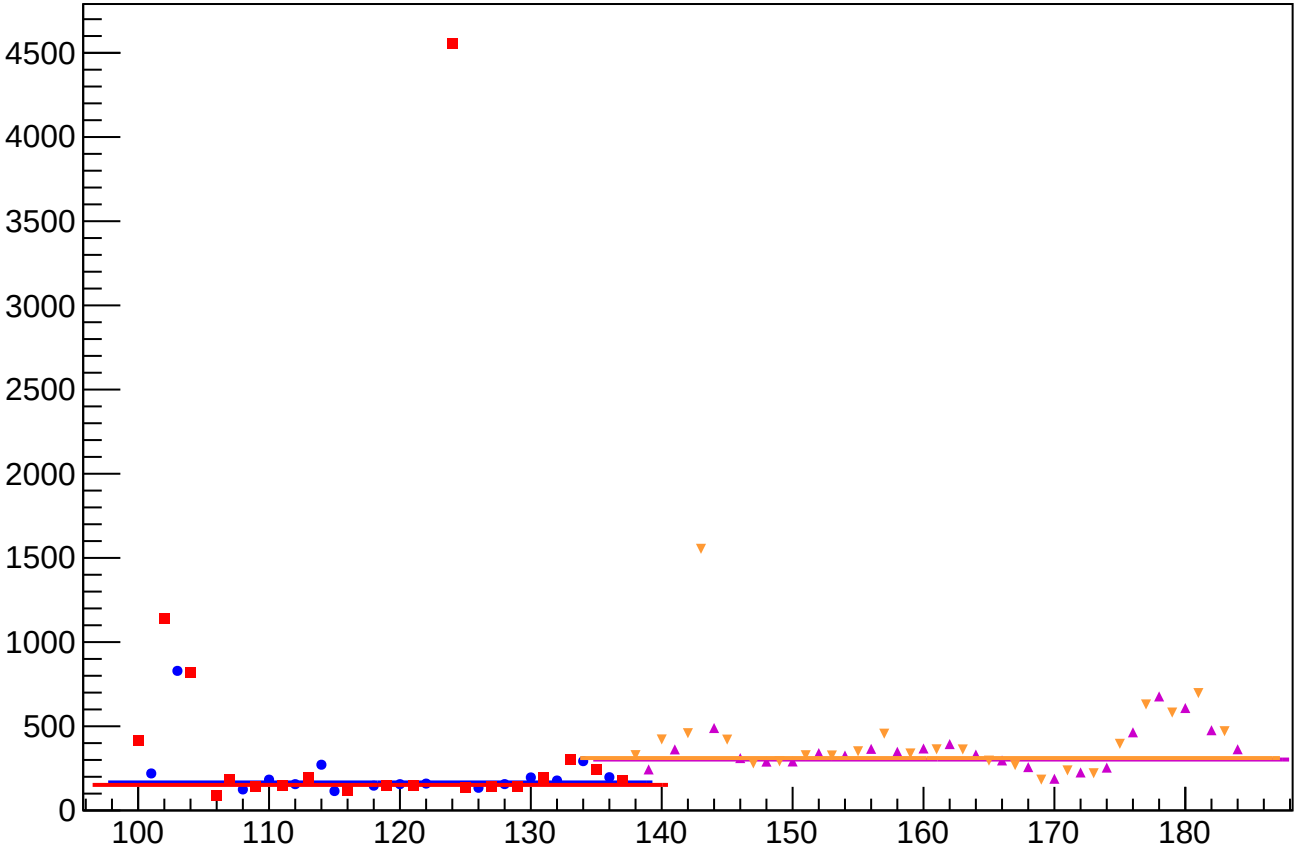
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.050 χ^2/NDF:44.8/38

Out: 0.005+/-0.049 χ^2/NDF:60.2/42

All: -0.027+/-0.035 χ^2/NDF: 105.8/81

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: 302.375+/-0.053 χ^2/NDF:2808730.8/22

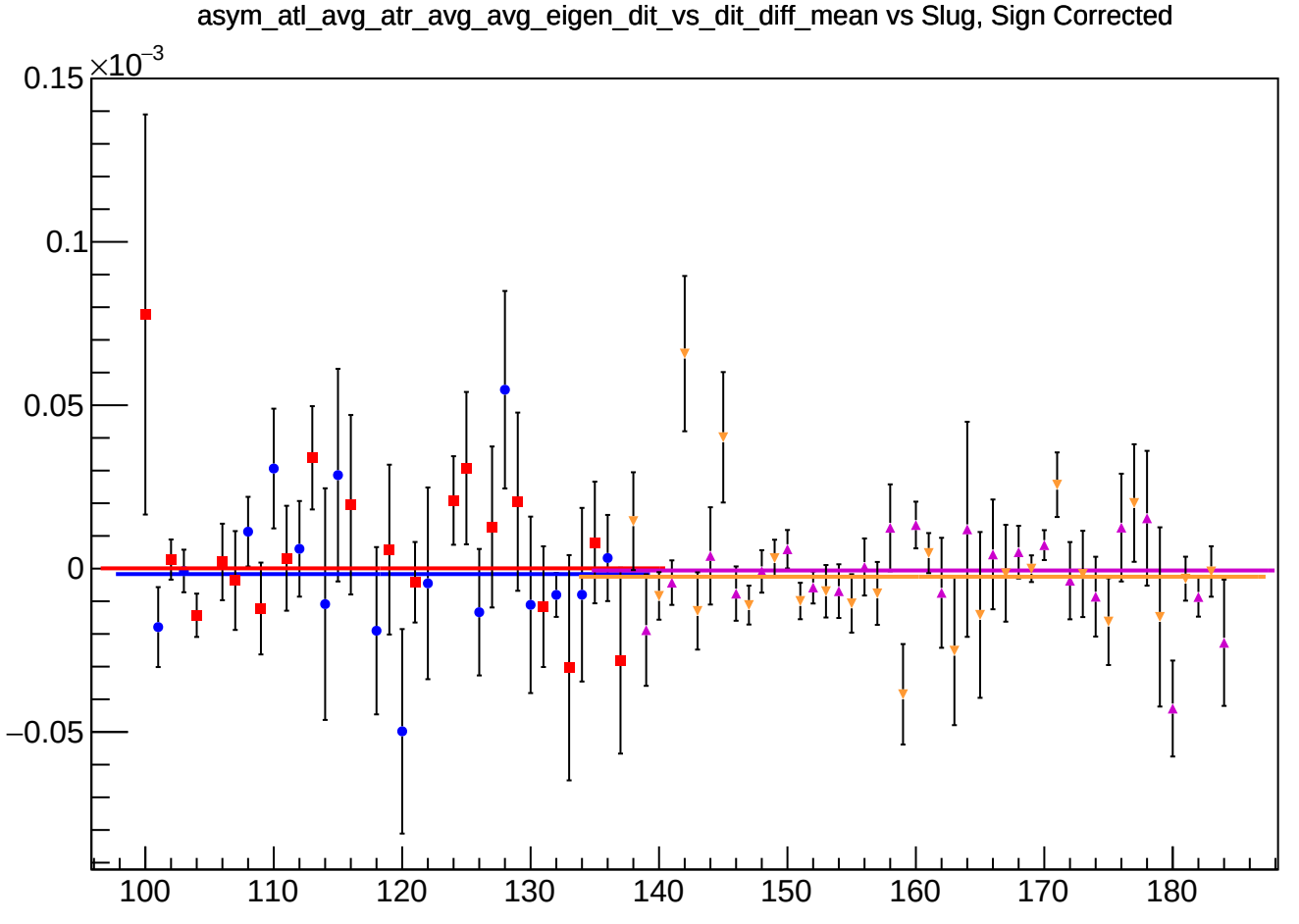
Left: 306.664+/-0.038 χ^2/NDF: 7153605.1/46

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 226.549+/-0.035 χ^2/NDF:7768710.1/38

Out: 216.883+/-0.035 χ^2/NDF:11710109.0/42

All: 221.660+/-0.025 χ^2/NDF: 19516901.3/81



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:26.9/22

Left: -0.000+/-0.000 χ^2/NDF: 68.8/46

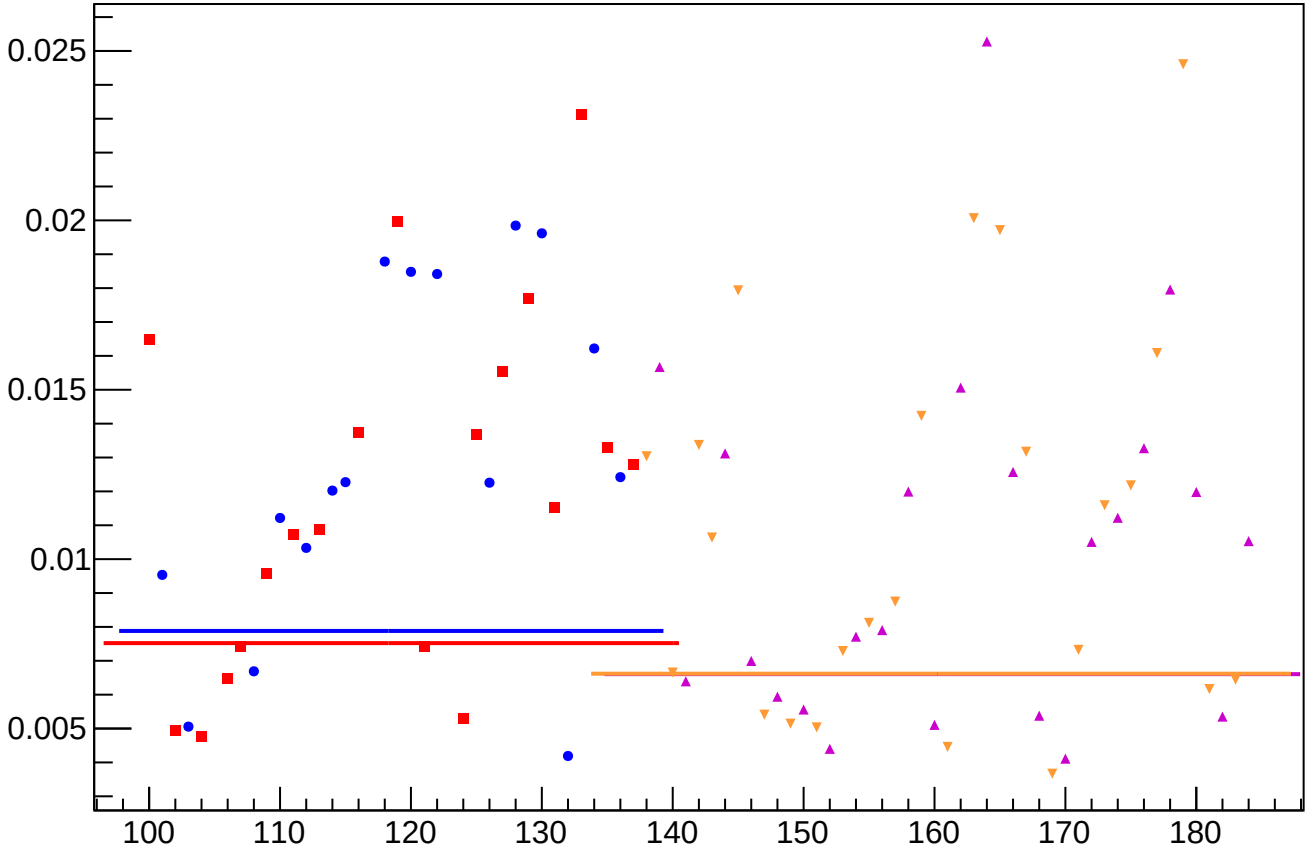
Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:42.4/38

Out: -0.000+/-0.000 χ^2/NDF:61.8/42

All: -0.000+/-0.000 χ^2/NDF: 104.4/81

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:7424978.4/23

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13280780.2/46

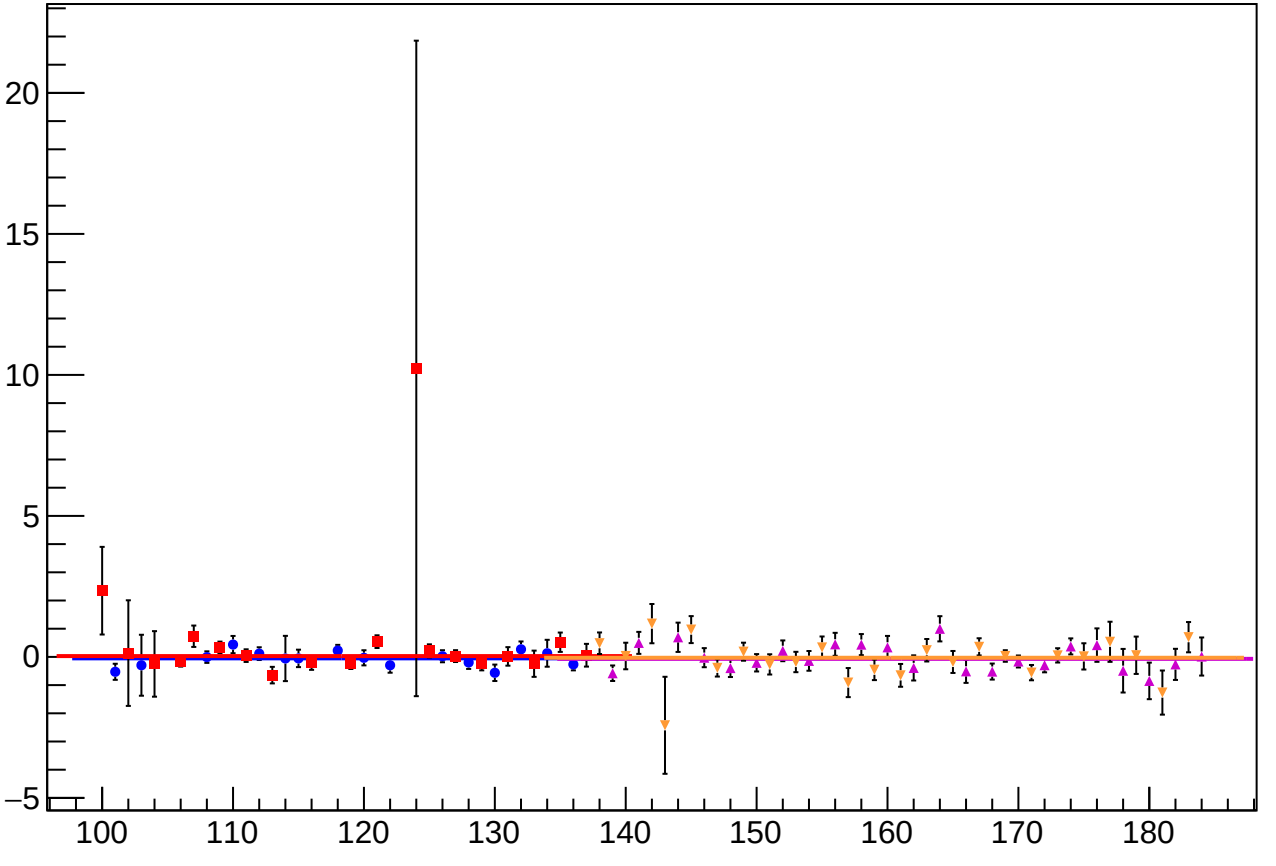
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:9378579.3/38

Out: 0.007+/-0.000 χ^2/NDF:10526860.5/42

All: 0.007+/-0.000 χ^2/NDF: 19906377.8/81

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: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.050+/-0.054 χ^2/NDF: 62.3/46

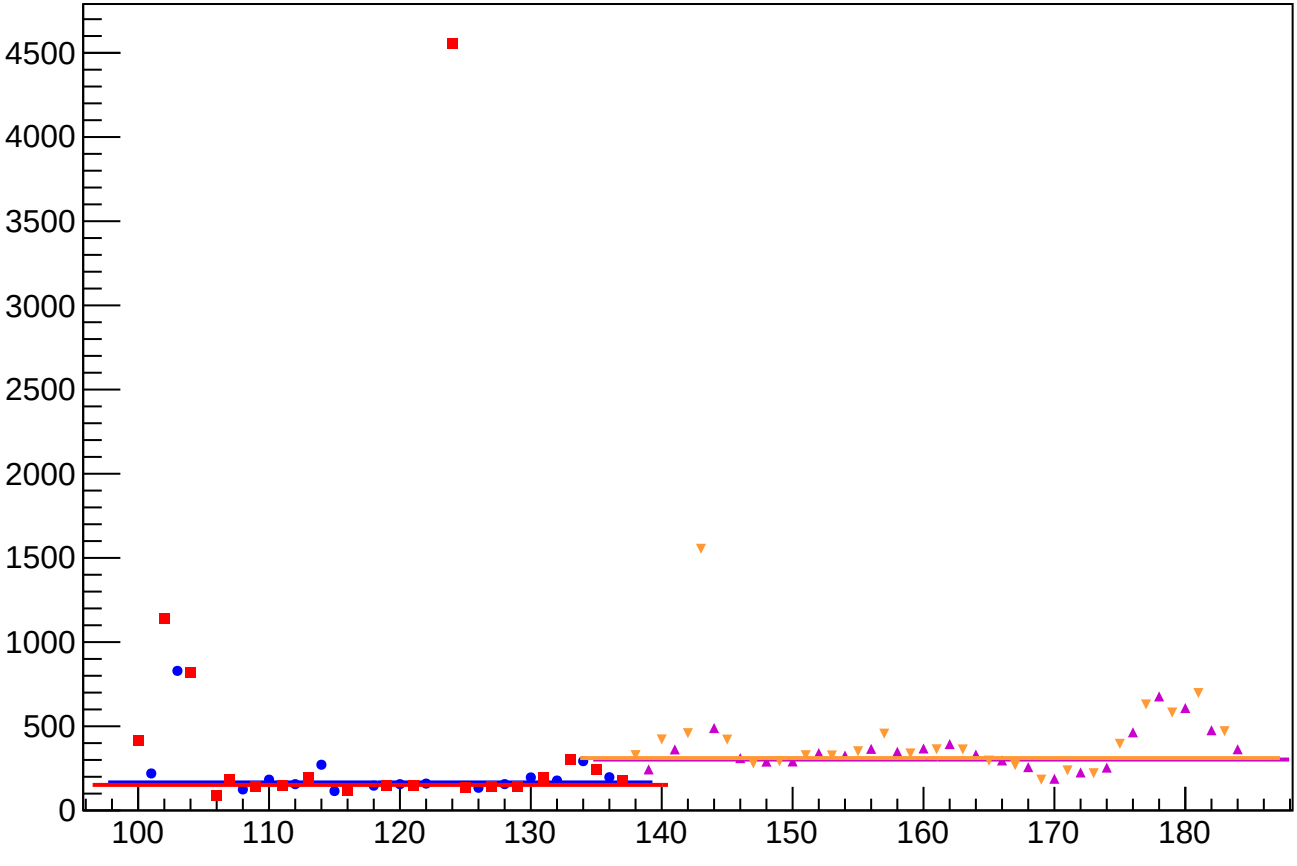
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.050 χ^2/NDF:44.8/38

Out: 0.005+/-0.049 χ^2/NDF:60.2/42

All: -0.027+/-0.035 χ^2/NDF: 105.8/81

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: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 306.665+/-0.038 χ^2/NDF: 7153955.9/46

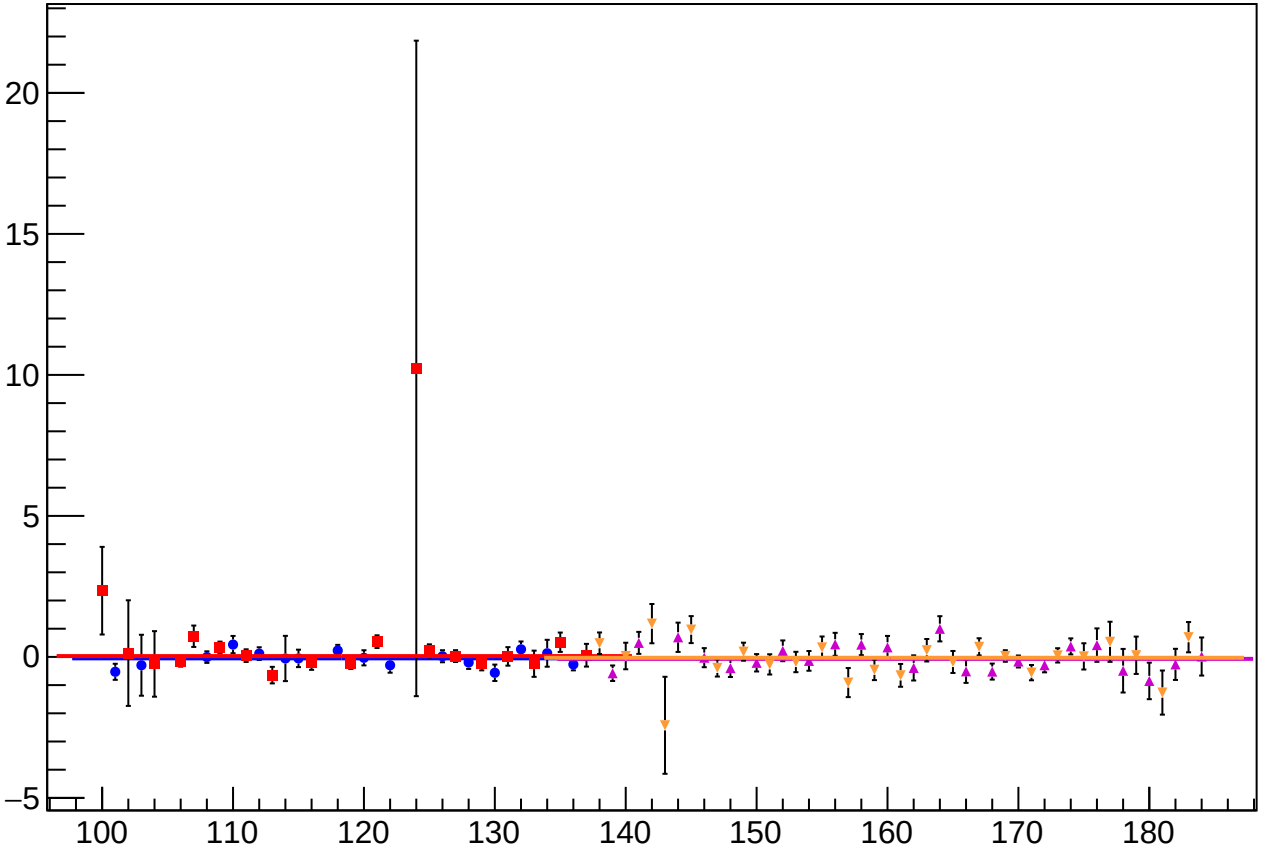
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 226.549+/-0.035 χ^2/NDF:7768945.0/38

Out: 216.881+/-0.035 χ^2/NDF:11710421.5/42

All: 221.659+/-0.025 χ^2/NDF: 19517457.1/81

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: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.050+/-0.054 χ^2/NDF: 62.3/46

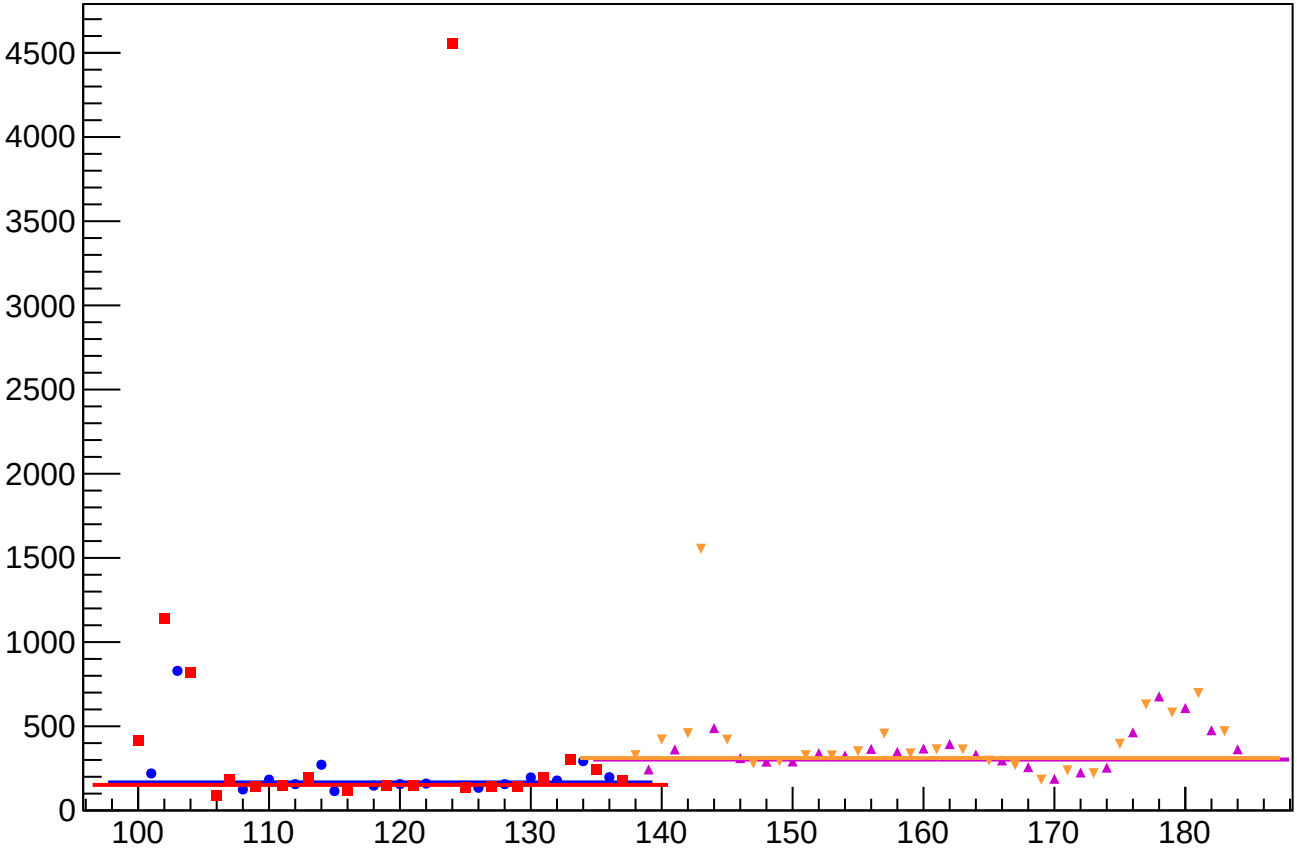
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.050 χ^2/NDF:44.8/38

Out: 0.005+/-0.049 χ^2/NDF:60.2/42

All: -0.027+/-0.035 χ^2/NDF: 105.8/81

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: 302.377+/-0.053 χ^2/NDF:2808874.8/22

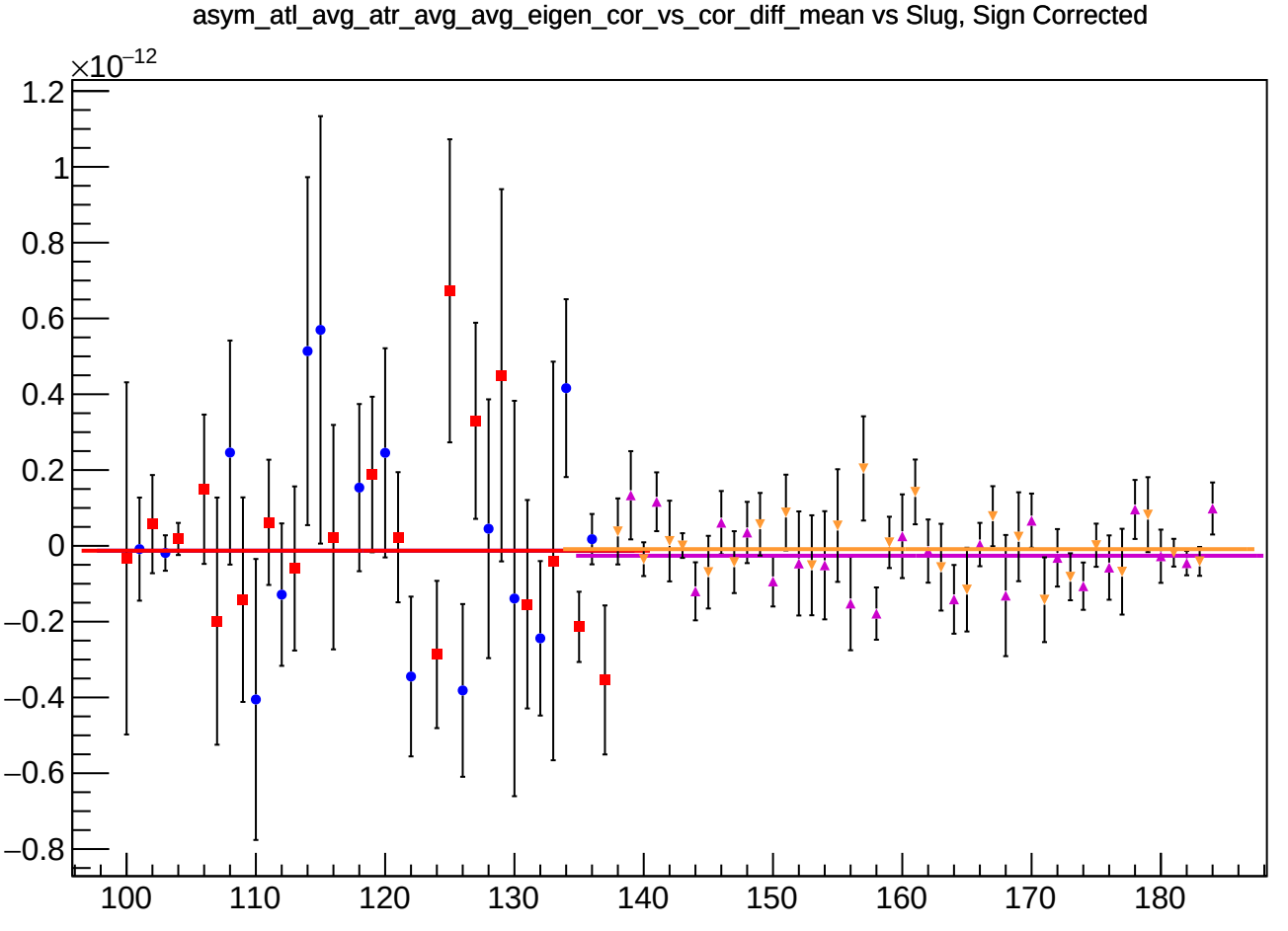
Left: 306.665+/-0.038 χ^2/NDF: 7153955.9/46

Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

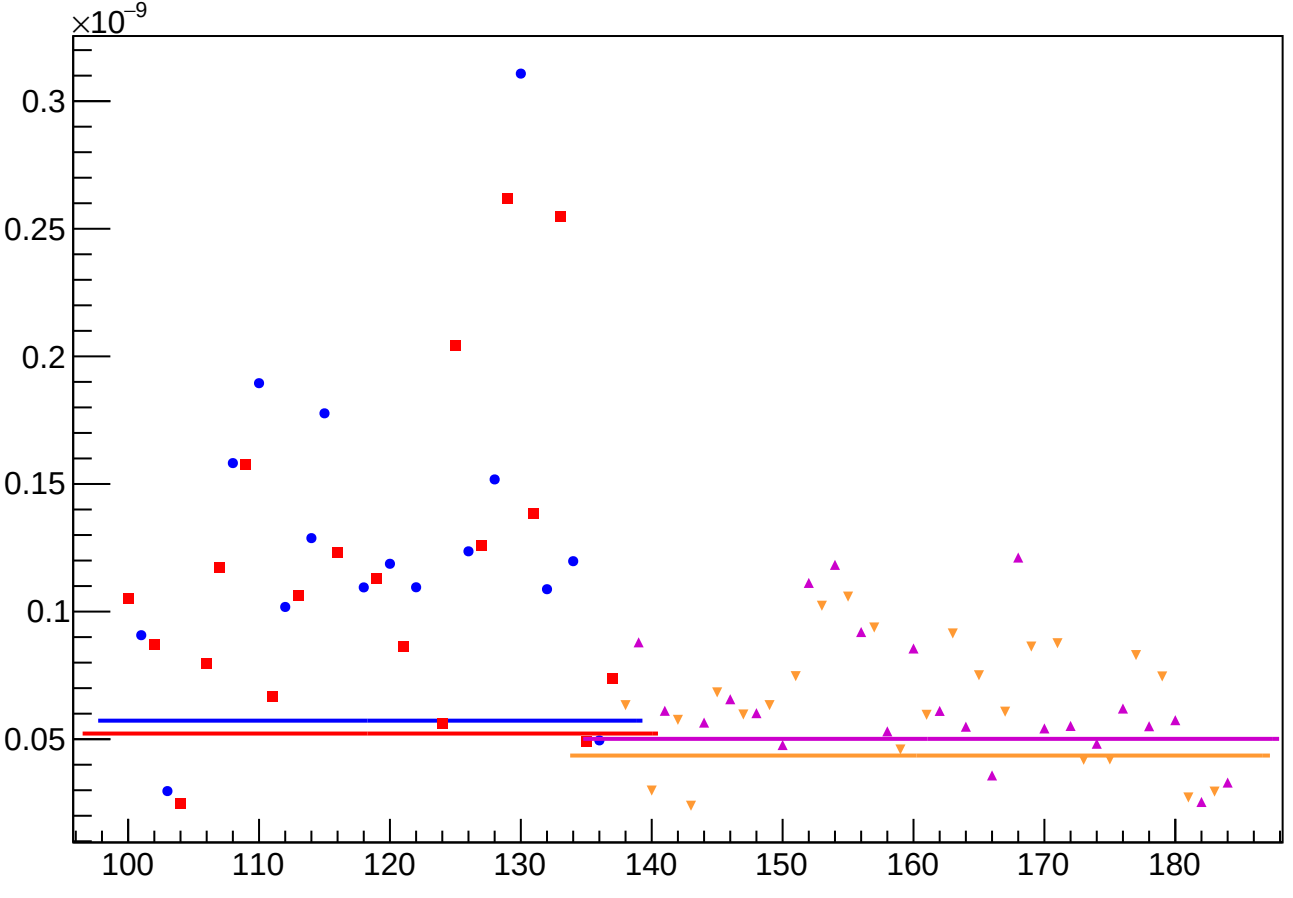
In: 226.549+/-0.035 χ^2/NDF:7768945.0/38

Out: 216.881+/-0.035 χ^2/NDF:11710421.5/42

All: 221.659+/-0.025 χ^2/NDF: 19517457.1/81


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 16.1/15
Left Out: -0.000+/-0.000 χ²/NDF:15.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/18
Left In: -0.000+/-0.000 χ²/NDF:27.6/22
Left: -0.000+/-0.000 χ²/NDF: 44.2/46
Right: -0.000+/-0.000 χ²/NDF: 35.0/34
In: -0.000+/-0.000 χ²/NDF:43.9/38
Out: -0.000+/-0.000 χ²/NDF:34.8/42
All: -0.000+/-0.000 χ²/NDF: 79.3/81

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:4957914.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

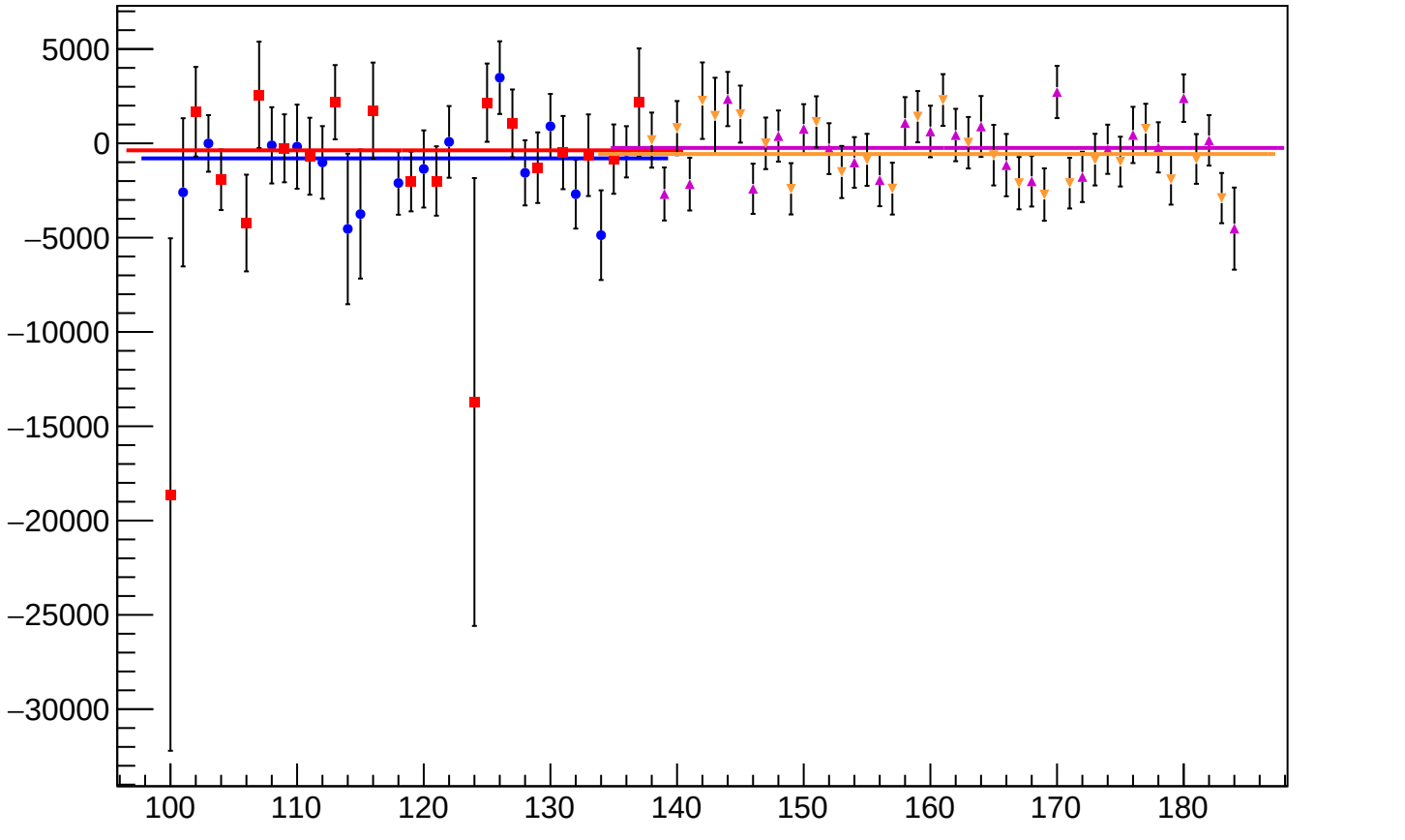
Left: 0.000+/-0.000 χ^2/NDF: 8773307.8/46

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:6671755.0/38

Out: 0.000+/-0.000 χ^2/NDF:8371637.7/42

All: 0.000+/-0.000 χ^2/NDF: 15280334.9/81



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: -242.686+/-291.166 χ^2/NDF:32.0/22

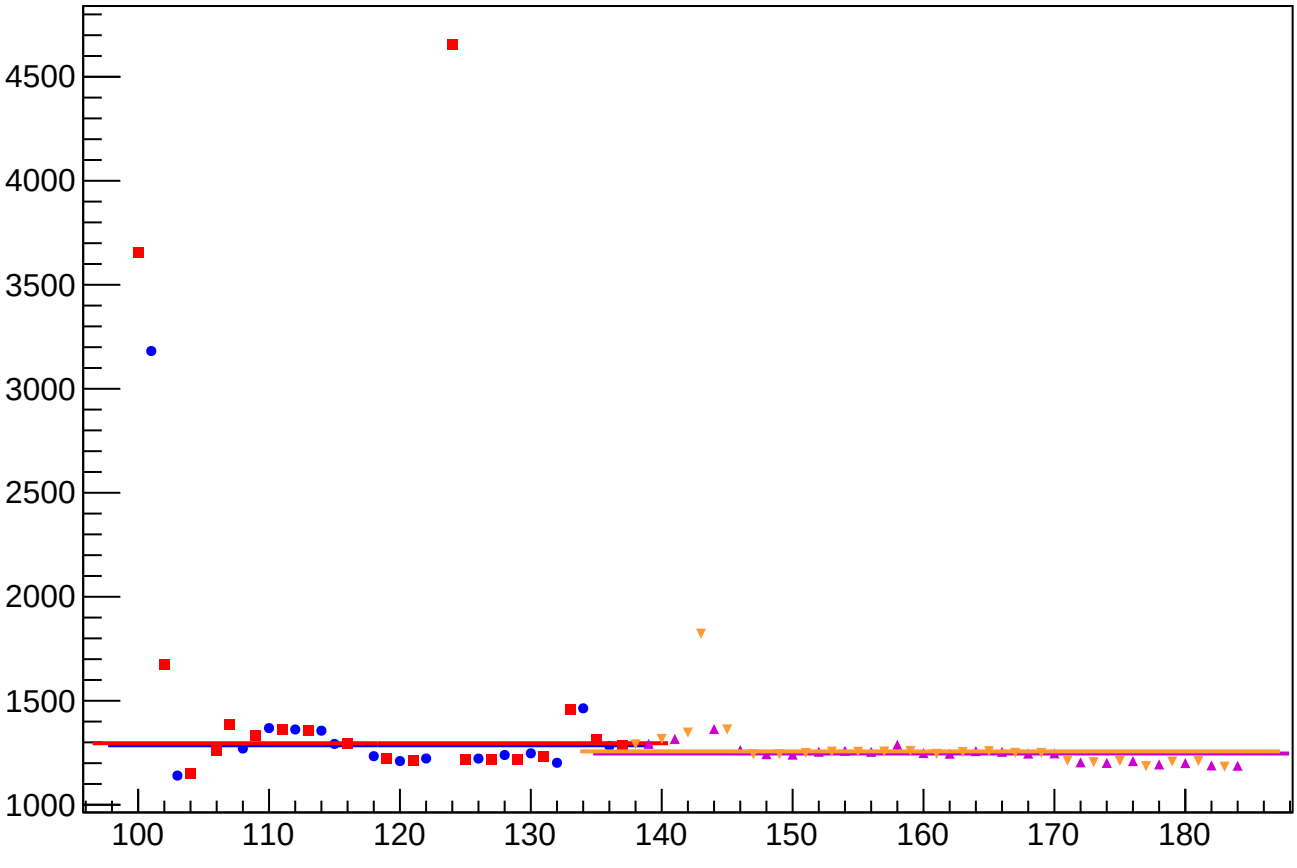
Left: -405.531+/-204.810 χ^2/NDF: 61.6/46

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -388.527+/-249.968 χ^2/NDF:46.4/38

Out: -514.269+/-247.834 χ^2/NDF:44.6/42

All: -451.937+/-175.995 χ^2/NDF: 91.2/81



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: 1246.355+/-0.206 χ^2/NDF:39857.0/22

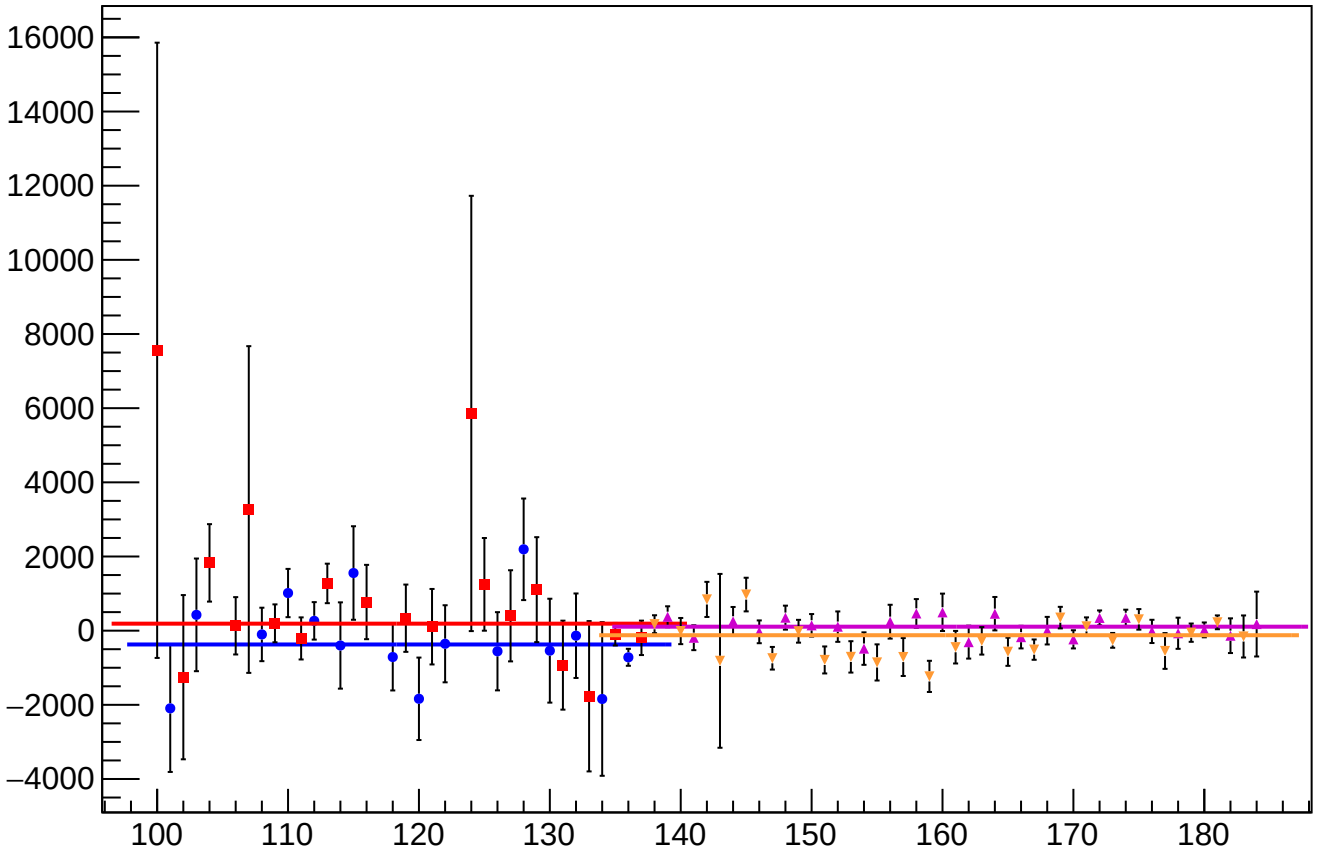
Left: 1251.570+/-0.145 χ^2/NDF: 242107.6/46

Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1256.806+/-0.177 χ^2/NDF:567782.6/38

Out: 1266.896+/-0.175 χ^2/NDF:538714.5/42

All: 1261.894+/-0.124 χ^2/NDF: 1108140.6/81



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: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -10.904+/-46.733 χ^2/NDF: 66.5/46

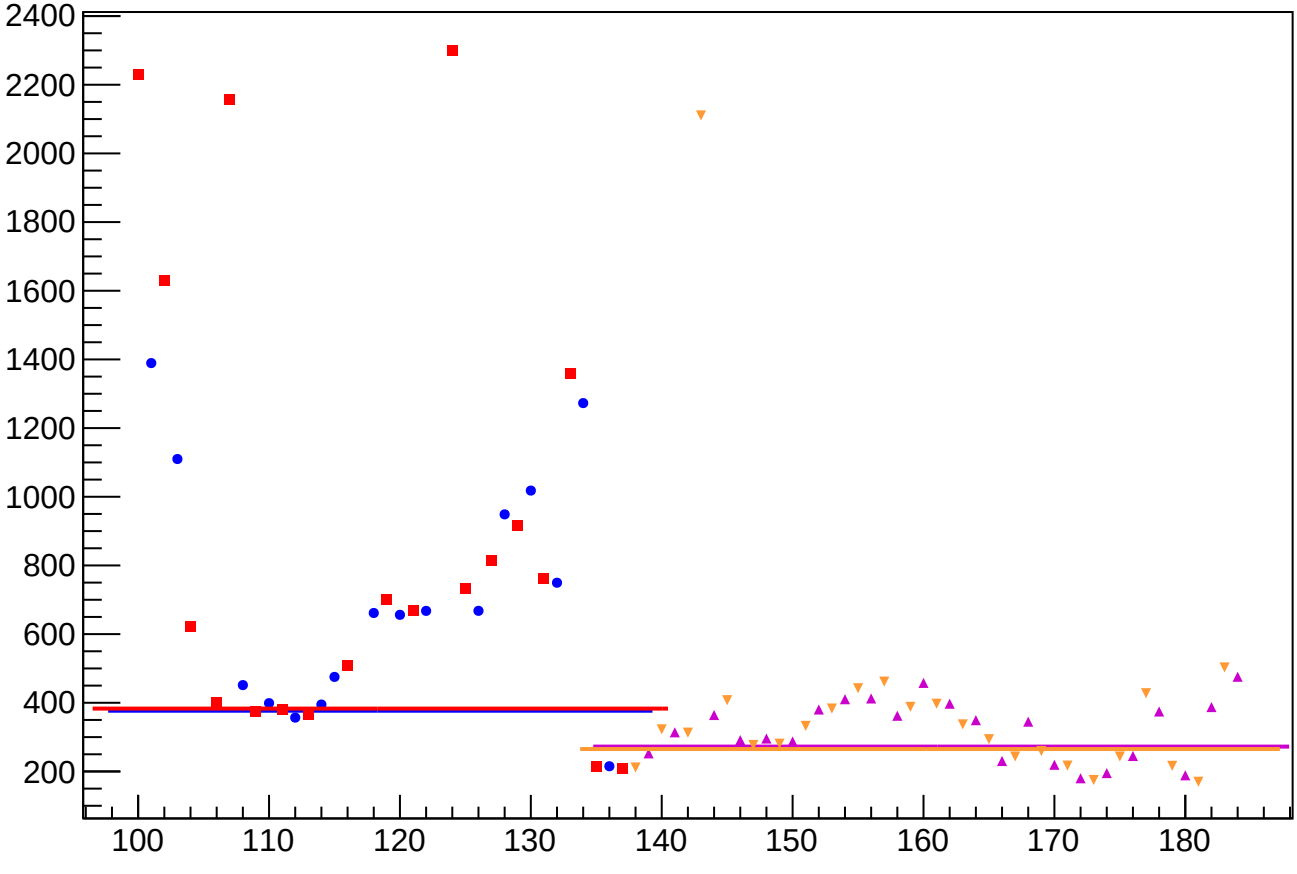
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 41.656+/-62.244 χ^2/NDF:38.9/38

Out: -82.746+/-60.869 χ^2/NDF:64.3/42

All: -21.935+/-43.519 χ^2/NDF: 105.3/81

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: 272.368+/-0.047 χ^2/NDF:2887823.5/22

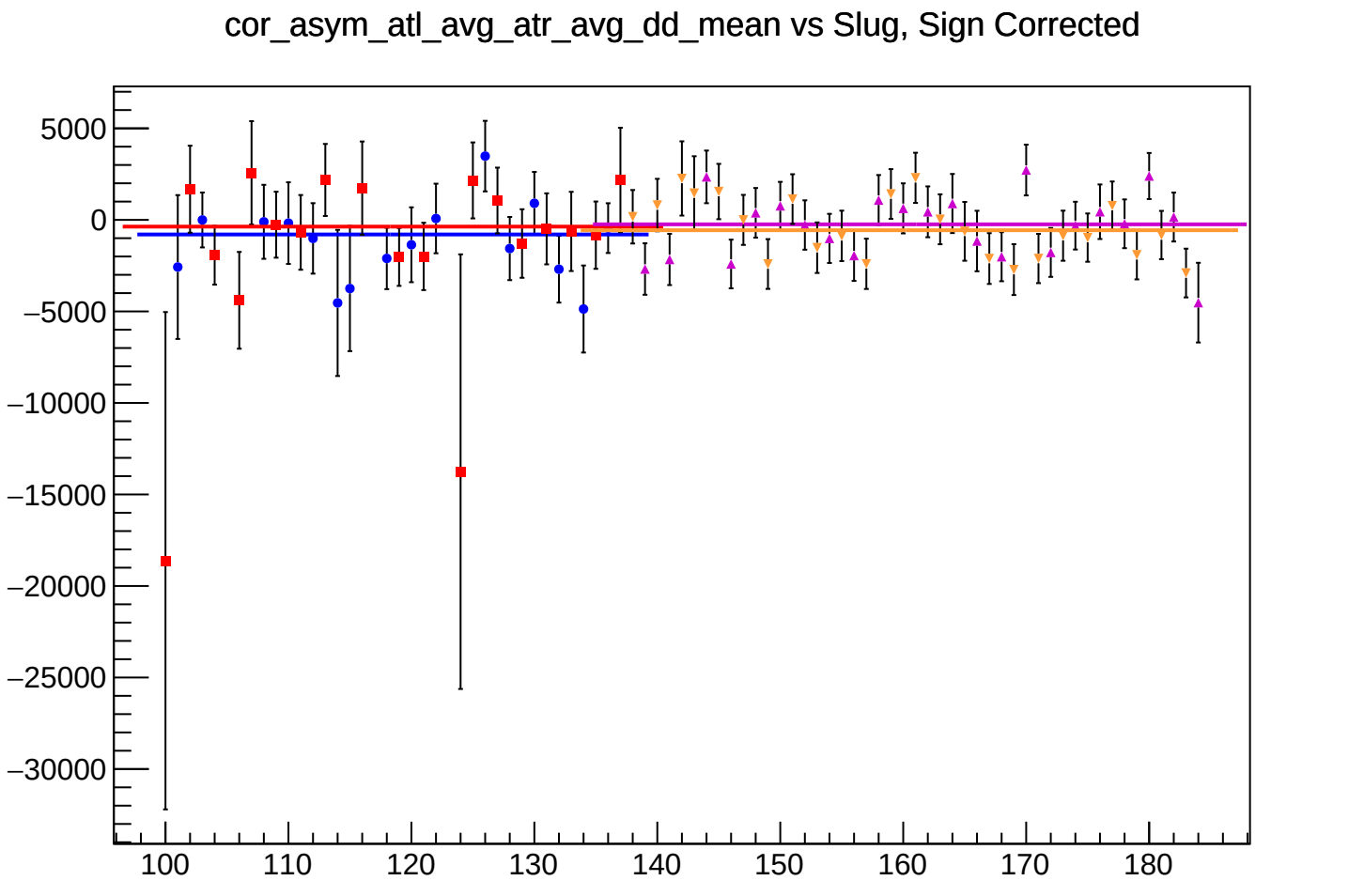
Left: 268.740+/-0.033 χ^2/NDF: 7427667.0/46

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 286.681+/-0.044 χ^2/NDF:7744576.1/38

Out: 280.478+/-0.043 χ^2/NDF:9422916.3/42

All: 283.510+/-0.031 χ^2/NDF: 17177647.7/81



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: -242.663+/-291.166 χ^2/NDF:32.0/22

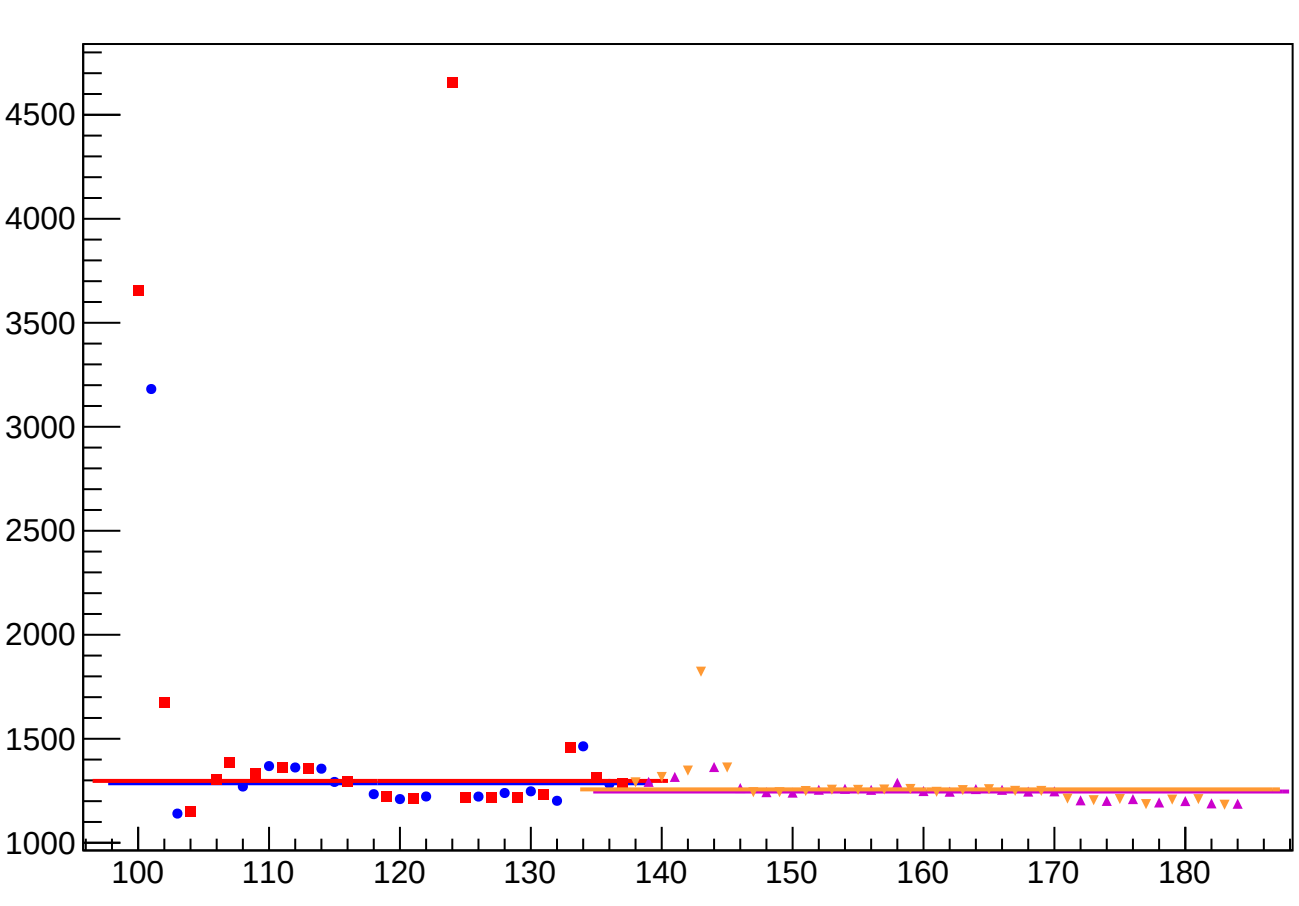
Left: -405.501+/-204.810 χ^2/NDF: 61.6/46

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -388.405+/-249.968 χ^2/NDF:46.4/38

Out: -513.664+/-247.904 χ^2/NDF:44.7/42

All: -451.554+/-176.020 χ^2/NDF: 91.2/81



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: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.570+/-0.145 χ^2/NDF: 242107.5/46

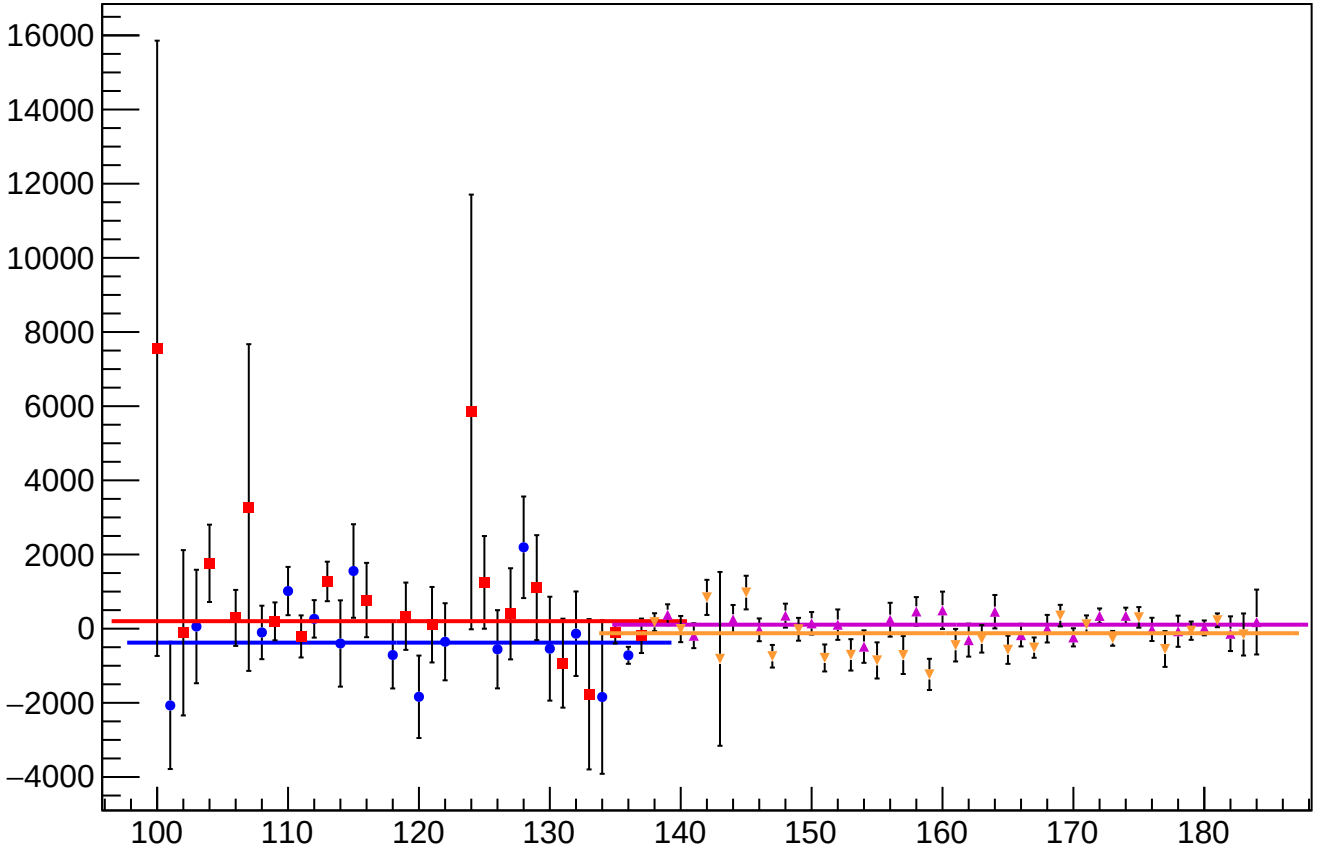
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1256.805+/-0.177 χ^2/NDF:567783.9/38

Out: 1267.257+/-0.175 χ^2/NDF:539097.2/42

All: 1262.075+/-0.124 χ^2/NDF: 1108643.8/81

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: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -10.836+/-46.734 χ^2/NDF: 66.5/46

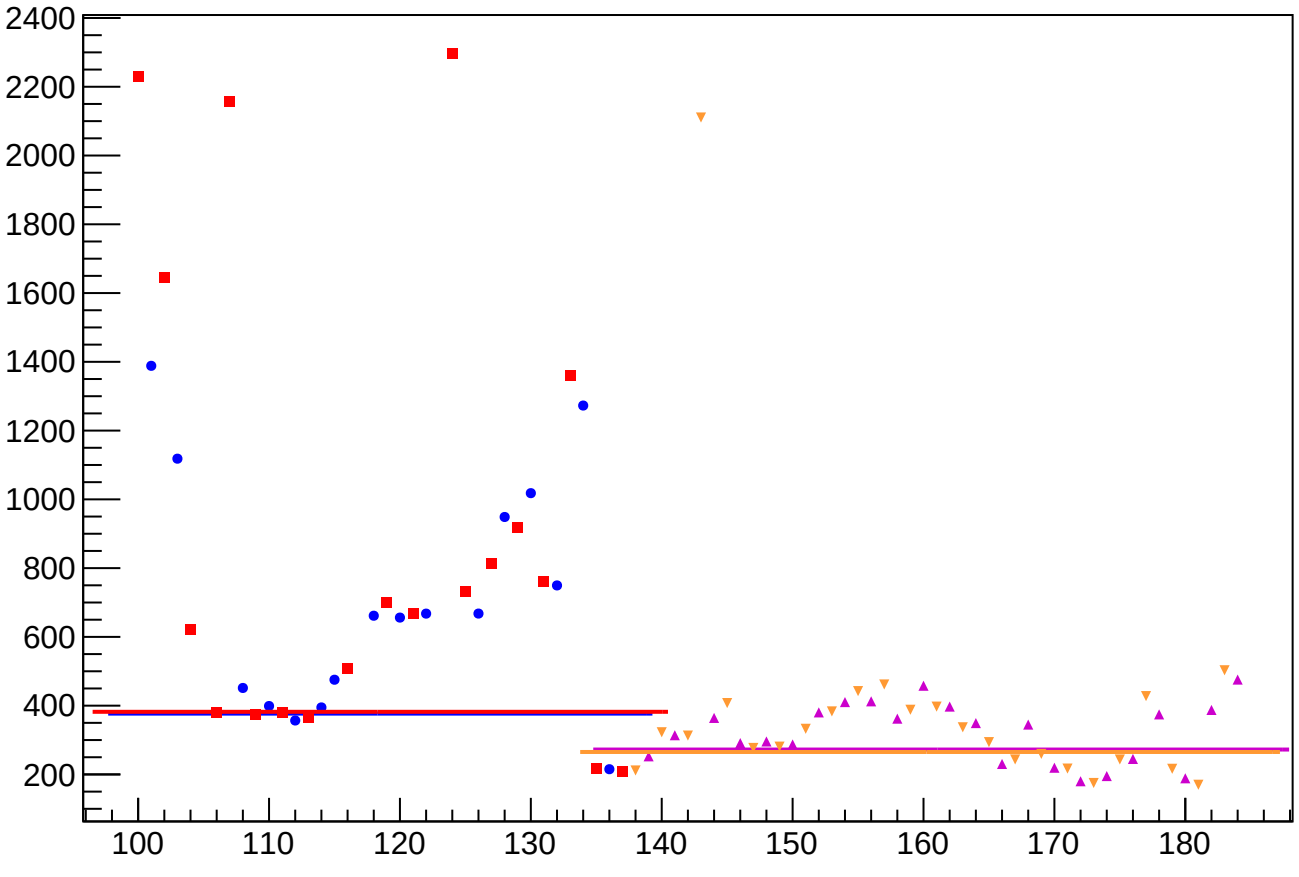
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 41.159+/-62.247 χ^2/NDF:38.8/38

Out: -80.939+/-60.861 χ^2/NDF:64.0/42

All: -21.265+/-43.517 χ^2/NDF: 104.8/81

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: 272.378+/-0.047 χ^2/NDF:2887597.1/22

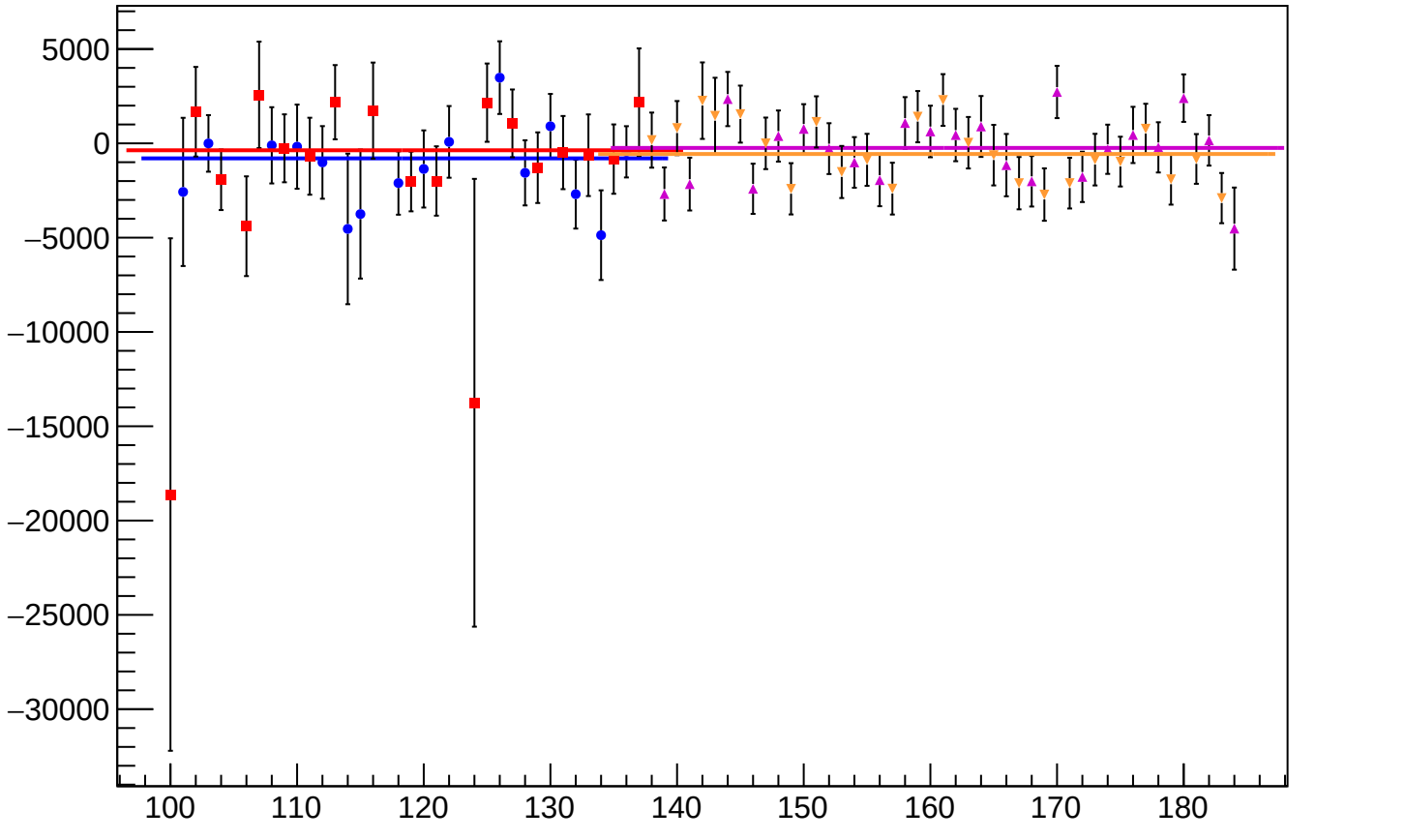
Left: 268.748+/-0.033 χ^2/NDF: 7427470.9/46

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 286.687+/-0.044 χ^2/NDF:7747109.0/38

Out: 280.393+/-0.043 χ^2/NDF:9416684.1/42

All: 283.469+/-0.031 χ^2/NDF: 17174245.5/81



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: -242.663+/-291.166 χ^2/NDF:32.0/22

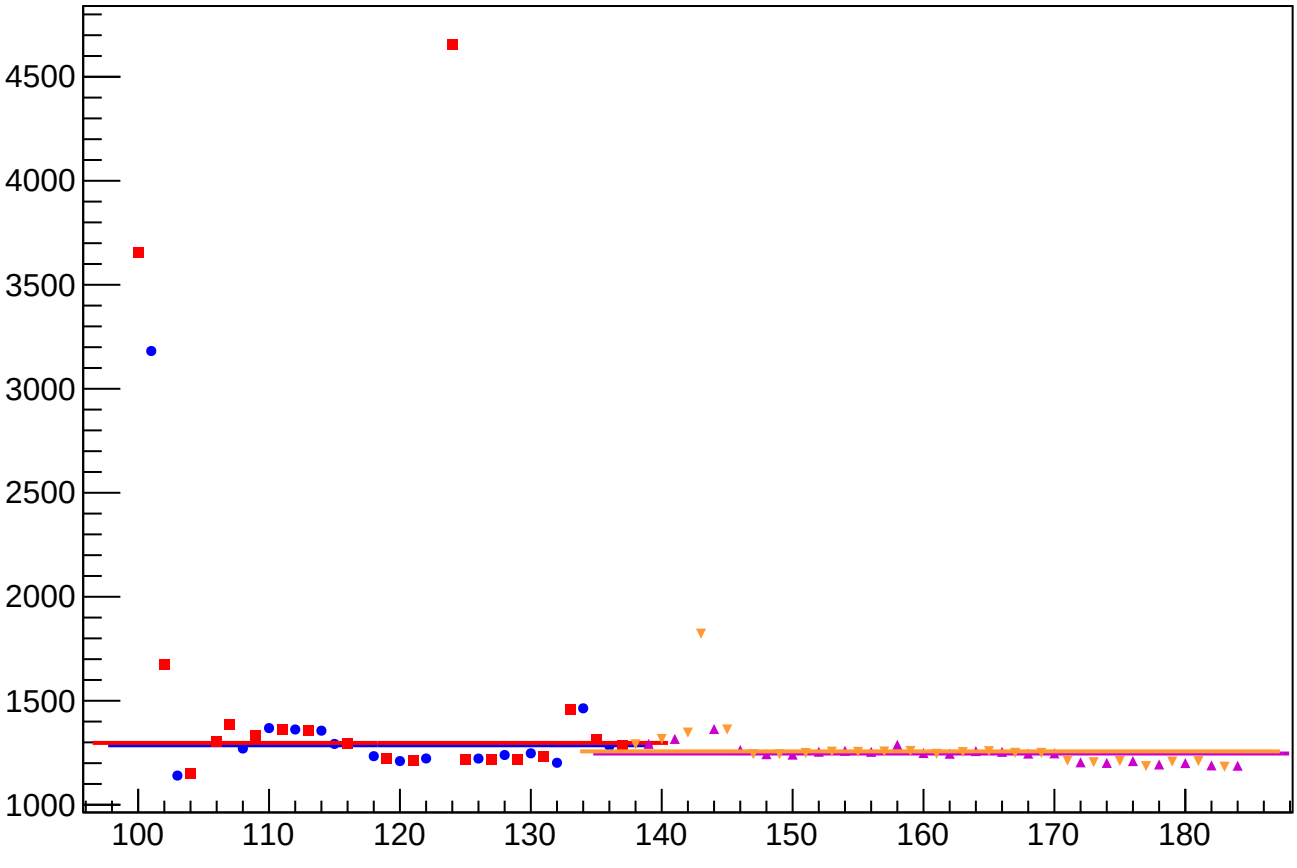
Left: -405.501+/-204.810 χ^2/NDF: 61.6/46

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -388.405+/-249.968 χ^2/NDF:46.4/38

Out: -513.664+/-247.904 χ^2/NDF:44.7/42

All: -451.554+/-176.020 χ^2/NDF: 91.2/81



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: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.570+/-0.145 χ^2/NDF: 242107.5/46

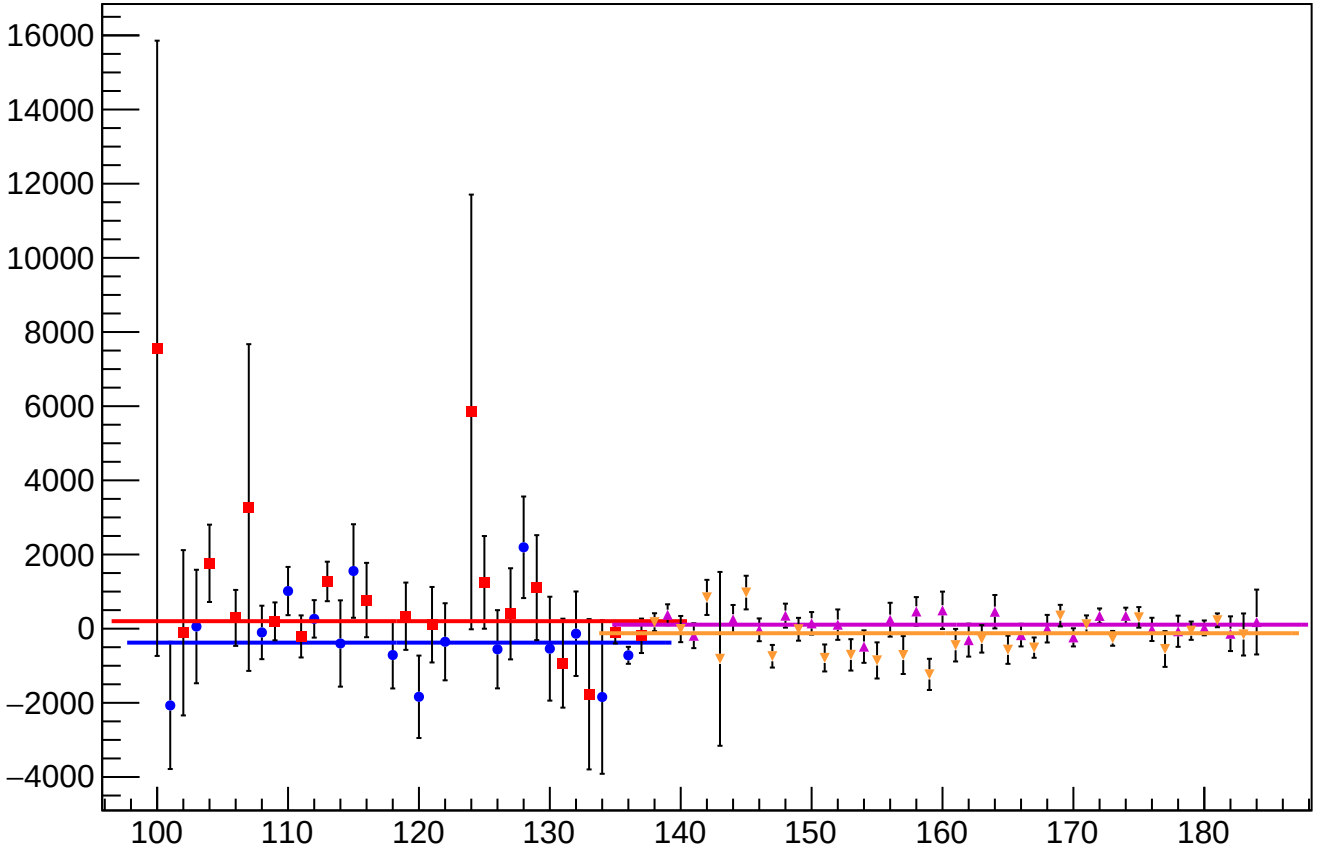
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1256.805+/-0.177 χ^2/NDF:567783.9/38

Out: 1267.257+/-0.175 χ^2/NDF:539097.2/42

All: 1262.075+/-0.124 χ^2/NDF: 1108643.8/81

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: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -10.836+/-46.734 χ^2/NDF: 66.5/46

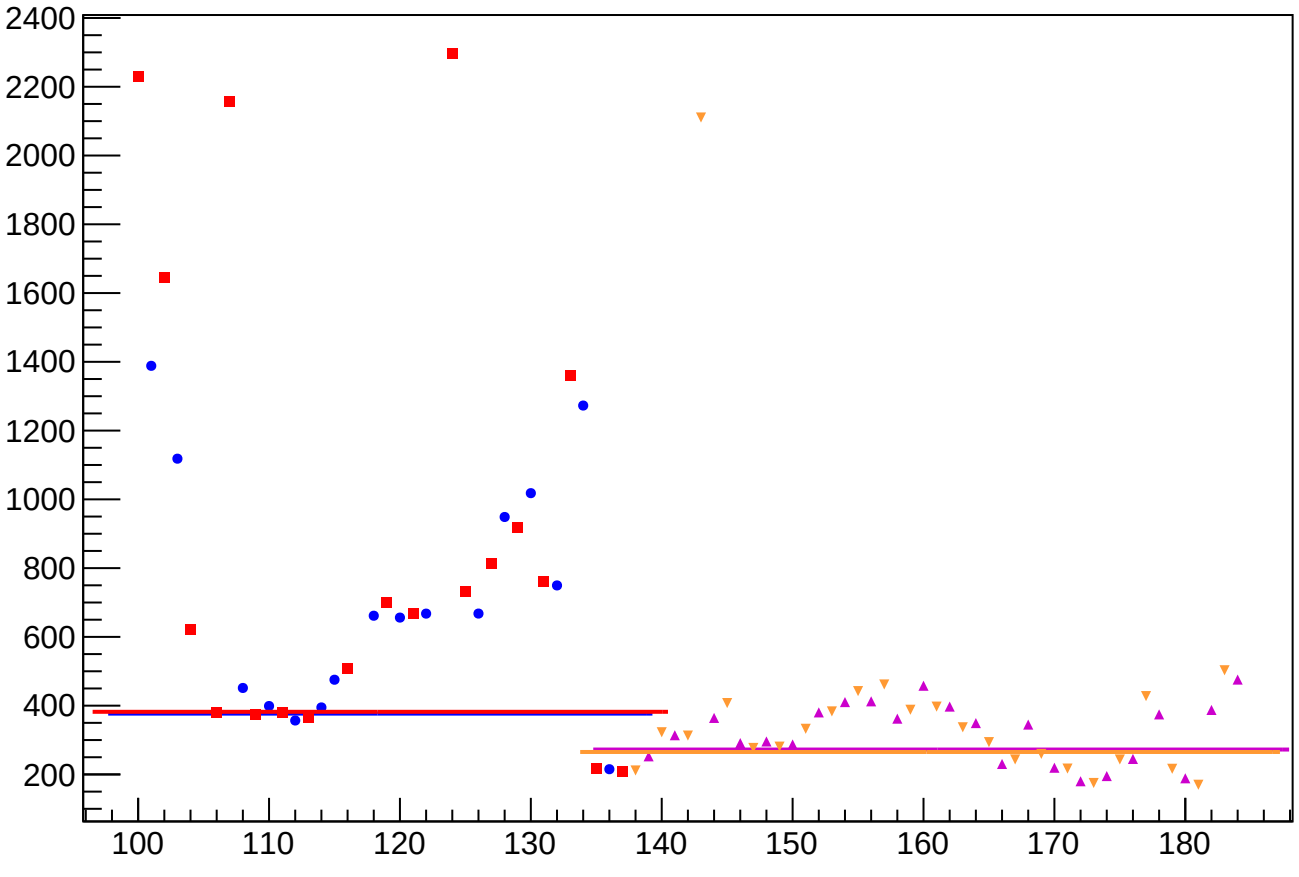
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 41.159+/-62.247 χ^2/NDF:38.8/38

Out: -80.939+/-60.861 χ^2/NDF:64.0/42

All: -21.265+/-43.517 χ^2/NDF: 104.8/81

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: 272.378+/-0.047 χ^2/NDF:2887597.1/22

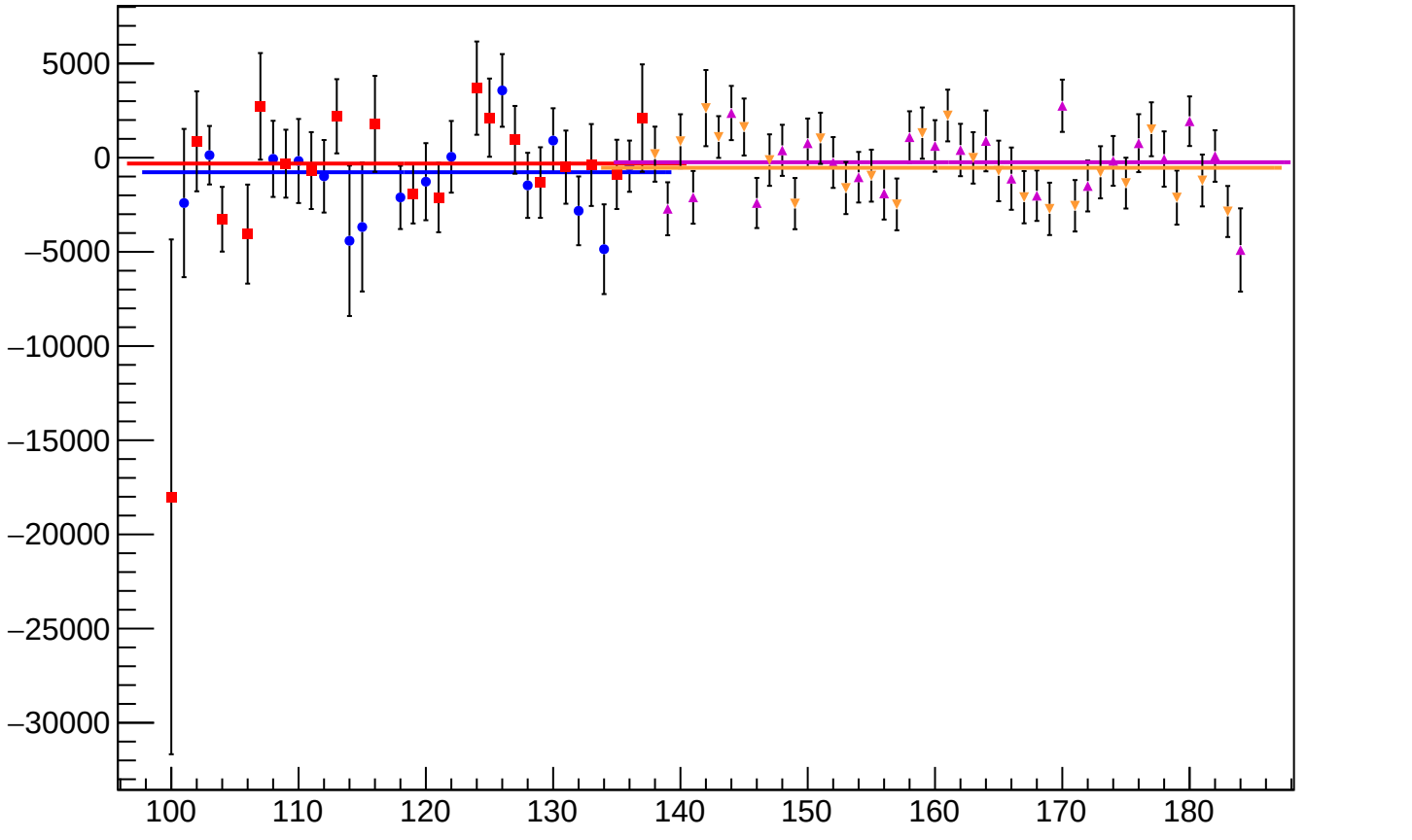
Left: 268.748+/-0.033 χ^2/NDF: 7427470.9/46

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 286.687+/-0.044 χ^2/NDF:7747109.0/38

Out: 280.393+/-0.043 χ^2/NDF:9416684.1/42

All: 283.469+/-0.031 χ^2/NDF: 17174245.5/81



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: -242.004+/-294.339 χ^2/NDF:30.7/22

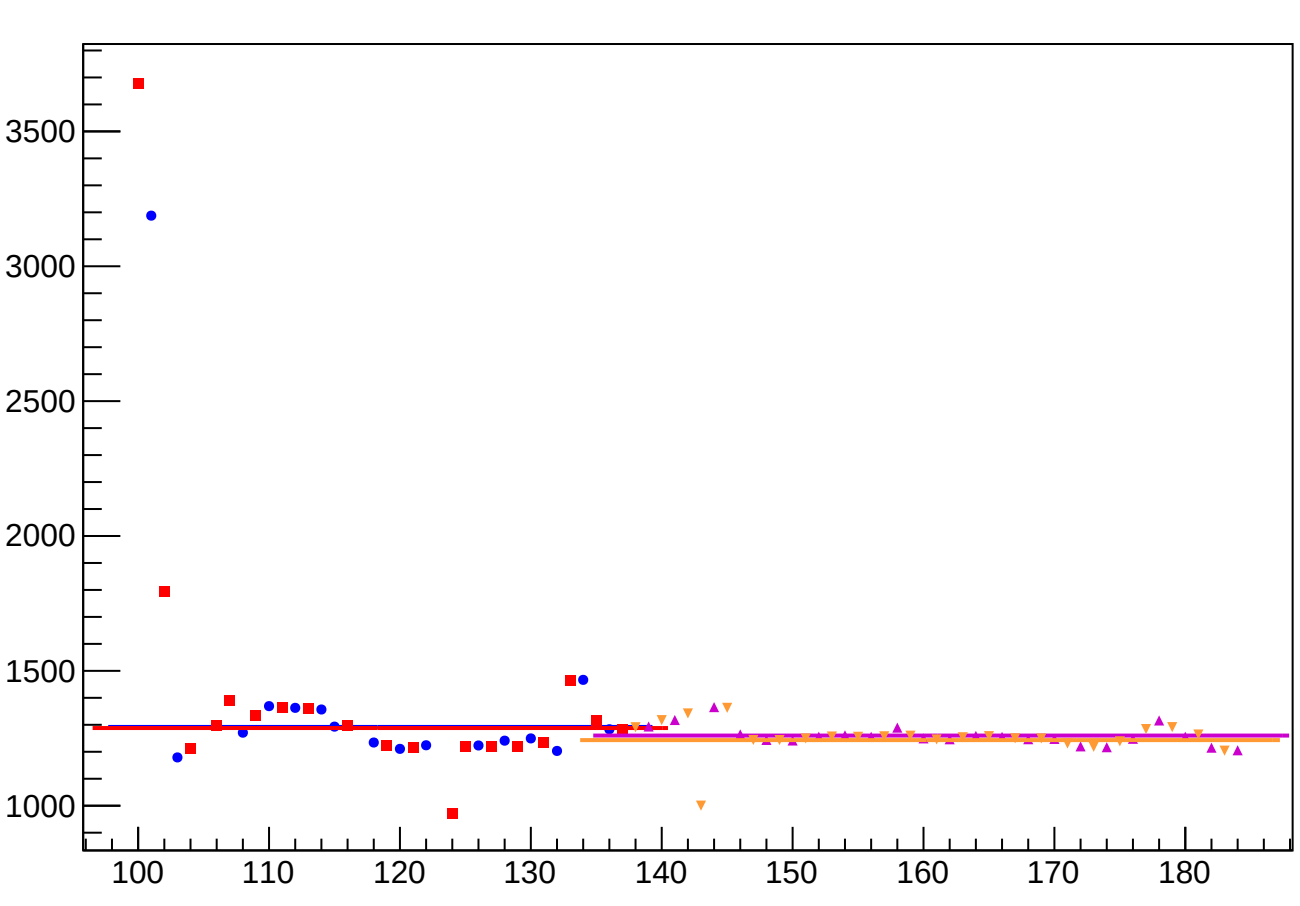
Left: -393.279+/-204.678 χ^2/NDF: 64.0/46

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -382.570+/-252.263 χ^2/NDF:45.1/38

Out: -477.193+/-245.289 χ^2/NDF:50.9/42

All: -431.207+/-175.859 χ^2/NDF: 96.1/81



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: 1260.094+/-0.208 χ^2/NDF:27932.1/22

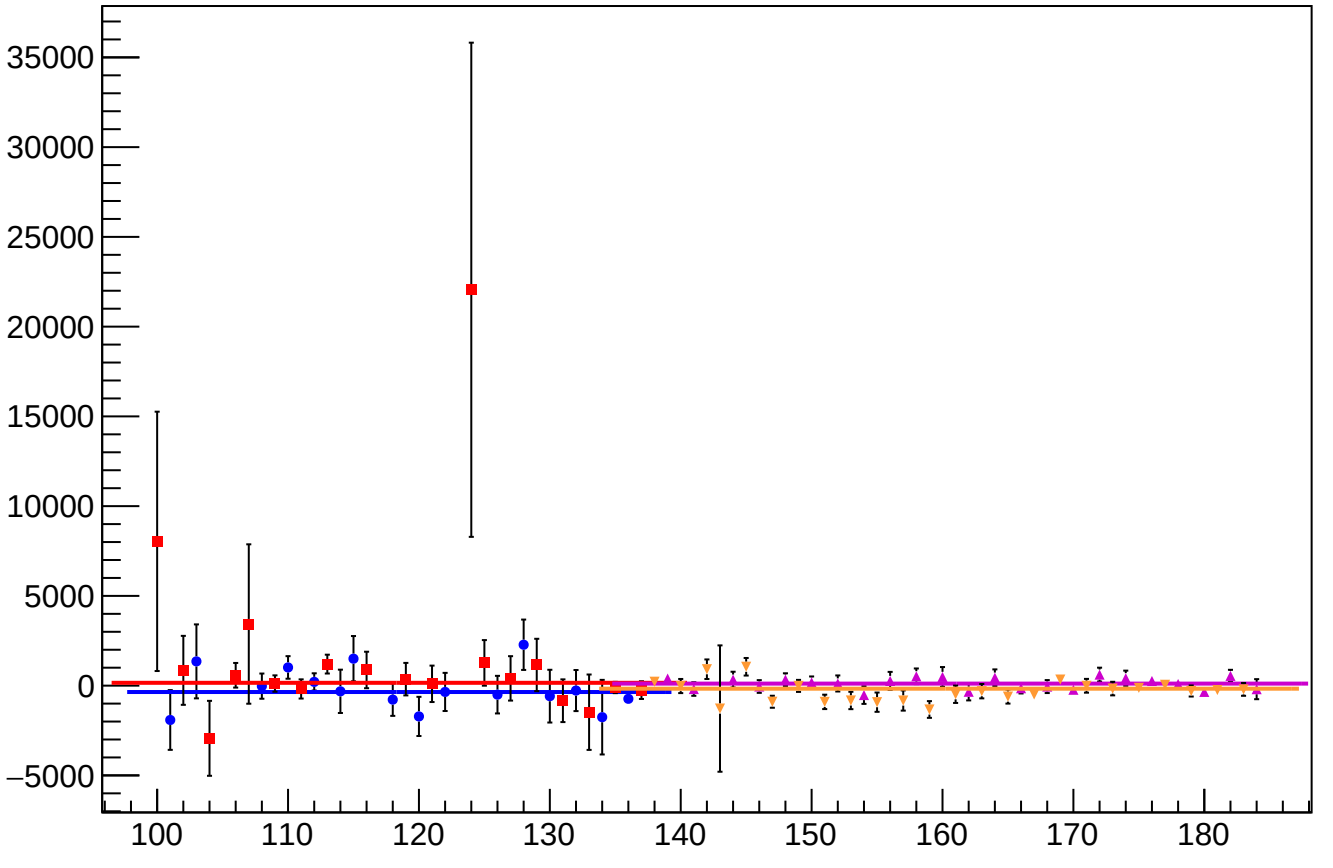
Left: 1251.399+/-0.145 χ^2/NDF: 160461.7/46

Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1268.574+/-0.178 χ^2/NDF:543592.0/38

Out: 1254.811+/-0.173 χ^2/NDF:351100.7/42

All: 1261.500+/-0.124 χ^2/NDF: 897752.9/81



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: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -37.465+/-47.055 χ^2/NDF: 69.1/46

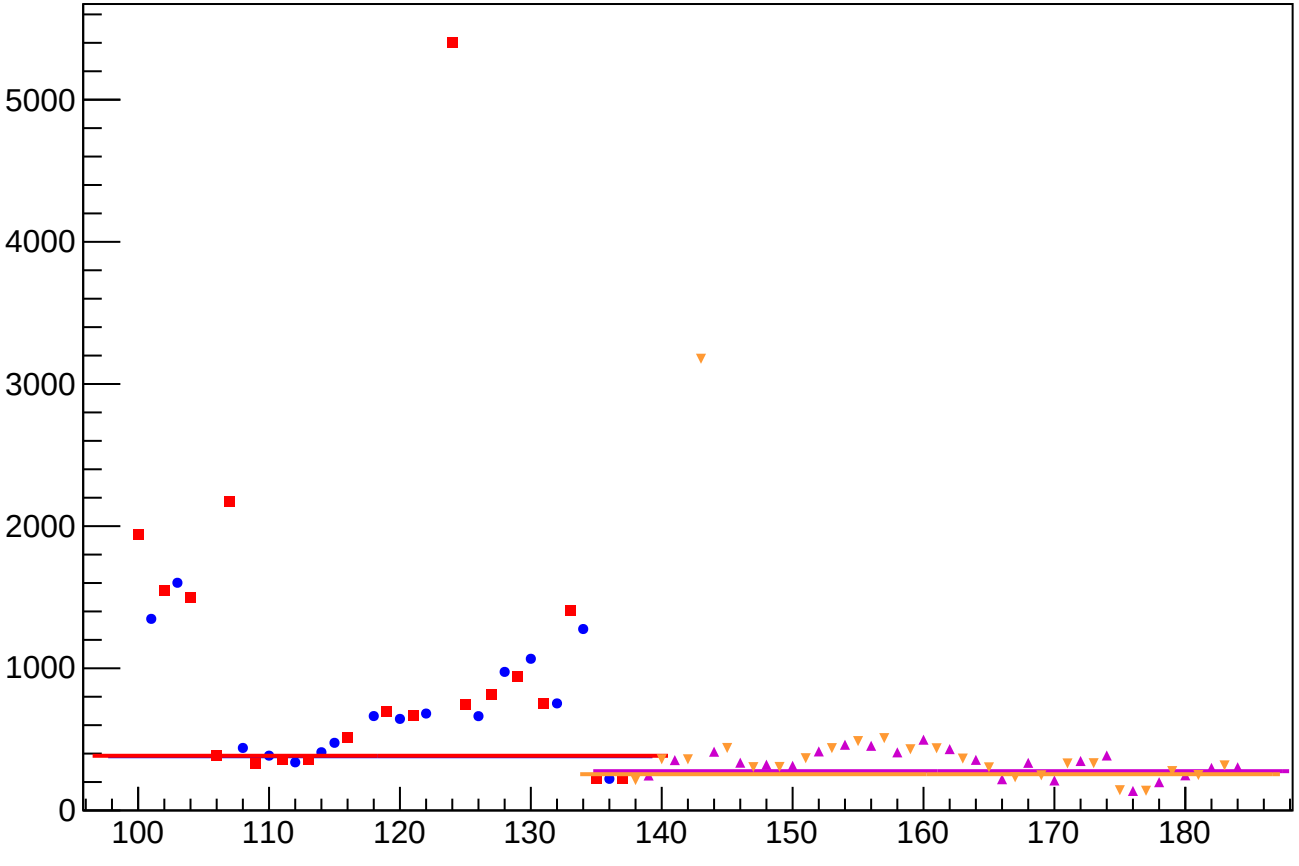
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 47.637+/-63.806 χ^2/NDF:43.2/38

Out: -128.673+/-60.263 χ^2/NDF:60.9/42

All: -45.549+/-43.811 χ^2/NDF: 108.1/81

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: 276.298+/-0.049 χ^2/NDF:4027410.5/22

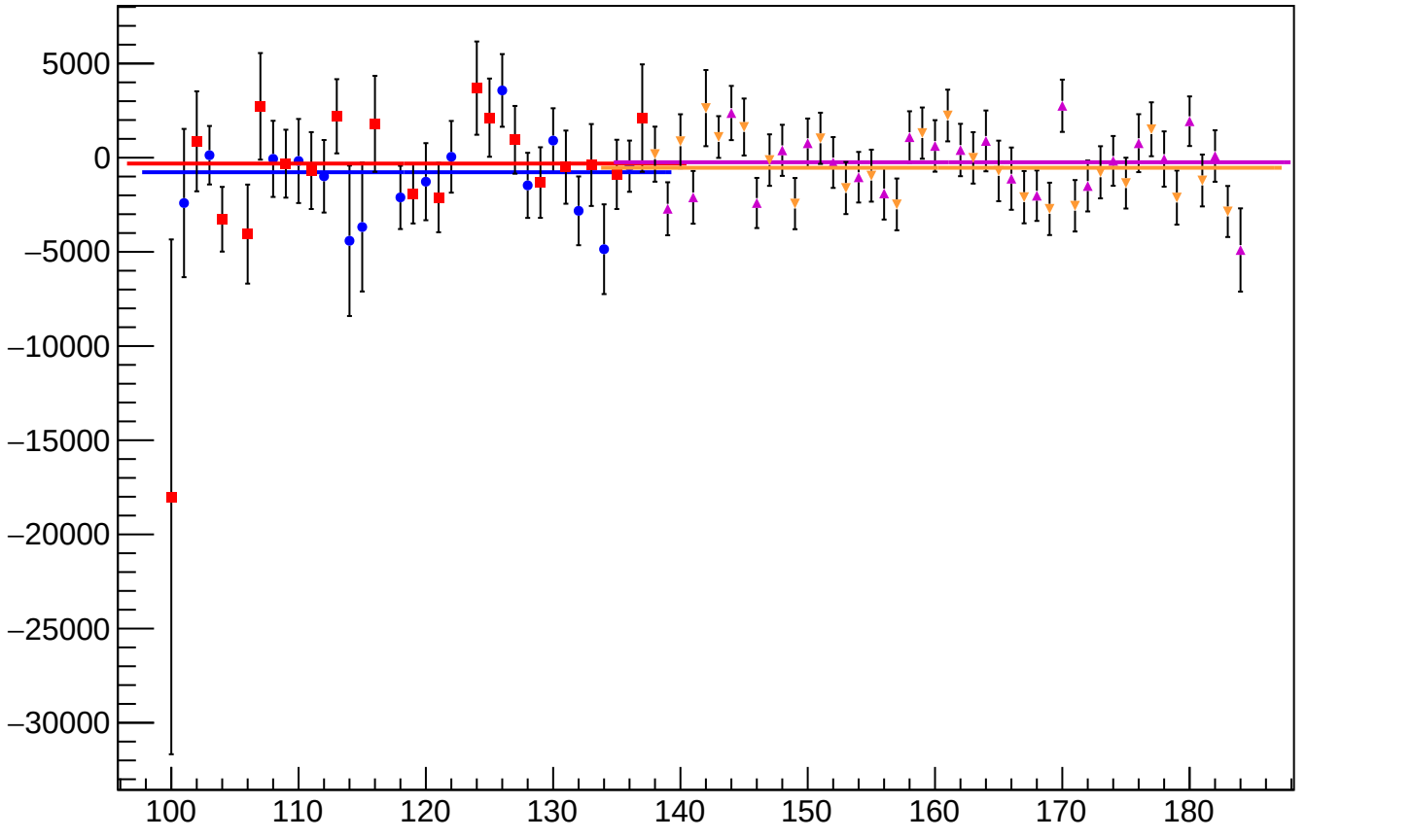
Left: 264.998+/-0.033 χ^2/NDF: 10480879.6/46

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 291.102+/-0.045 χ^2/NDF:9001649.9/38

Out: 271.433+/-0.043 χ^2/NDF:11931682.3/42

All: 280.706+/-0.031 χ^2/NDF: 21033786.4/81



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: -242.004+/-294.339 χ^2/NDF:30.7/22

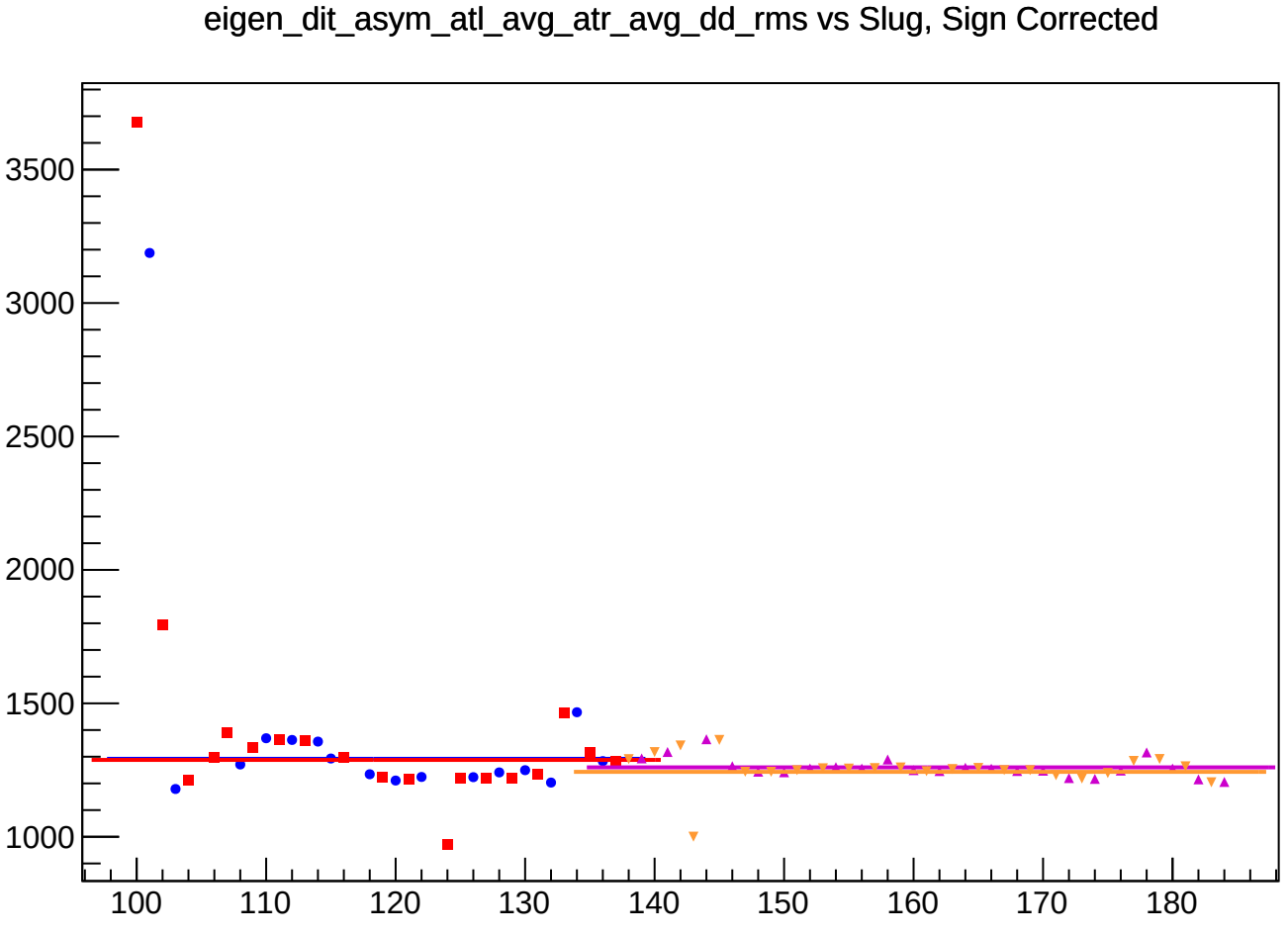
Left: -393.279+/-204.678 χ^2/NDF: 64.0/46

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -382.570+/-252.263 χ^2/NDF:45.1/38

Out: -477.193+/-245.289 χ^2/NDF:50.9/42

All: -431.208+/-175.859 χ^2/NDF: 96.1/81



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: 1260.094+/-0.208 χ^2/NDF:27932.2/22

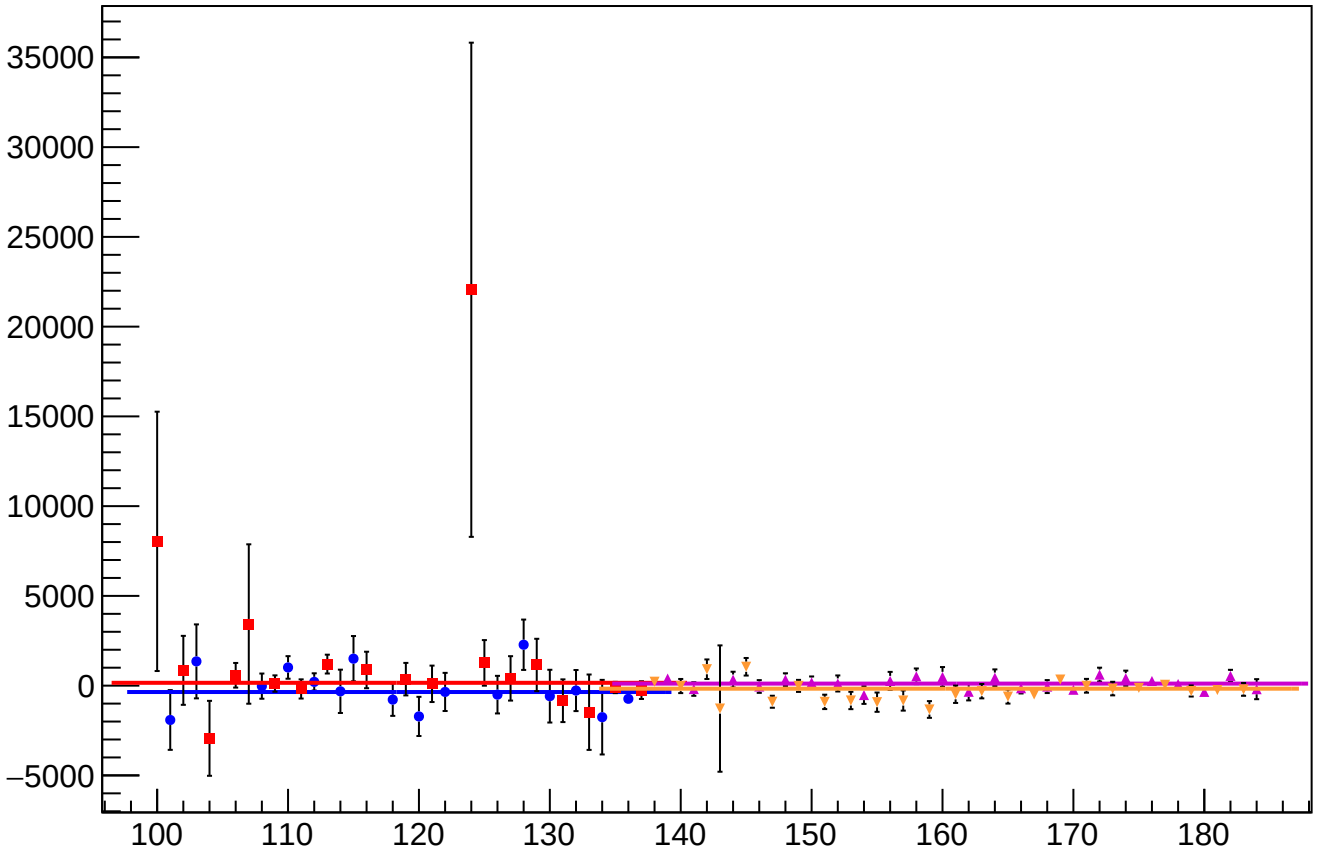
Left: 1251.399+/-0.145 χ^2/NDF: 160460.8/46

Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1268.574+/-0.178 χ^2/NDF:543592.1/38

Out: 1254.811+/-0.173 χ^2/NDF:351100.1/42

All: 1261.499+/-0.124 χ^2/NDF: 897752.3/81



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: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -37.468+/-47.055 χ^2/NDF: 69.1/46

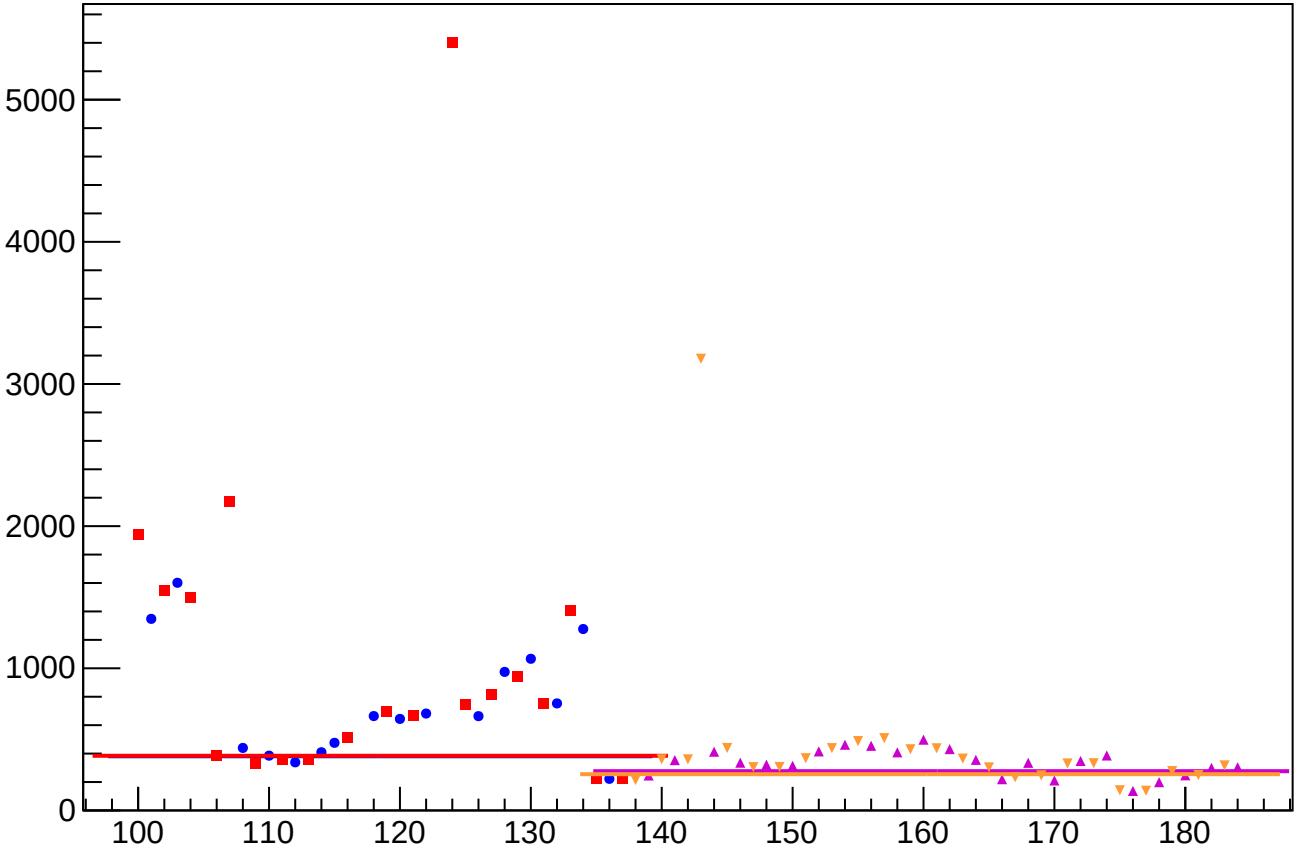
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 47.638+/-63.806 χ^2/NDF:43.2/38

Out: -128.676+/-60.263 χ^2/NDF:60.9/42

All: -45.550+/-43.811 χ^2/NDF: 108.1/81

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: 276.299+/-0.049 χ^2/NDF:4027371.0/22

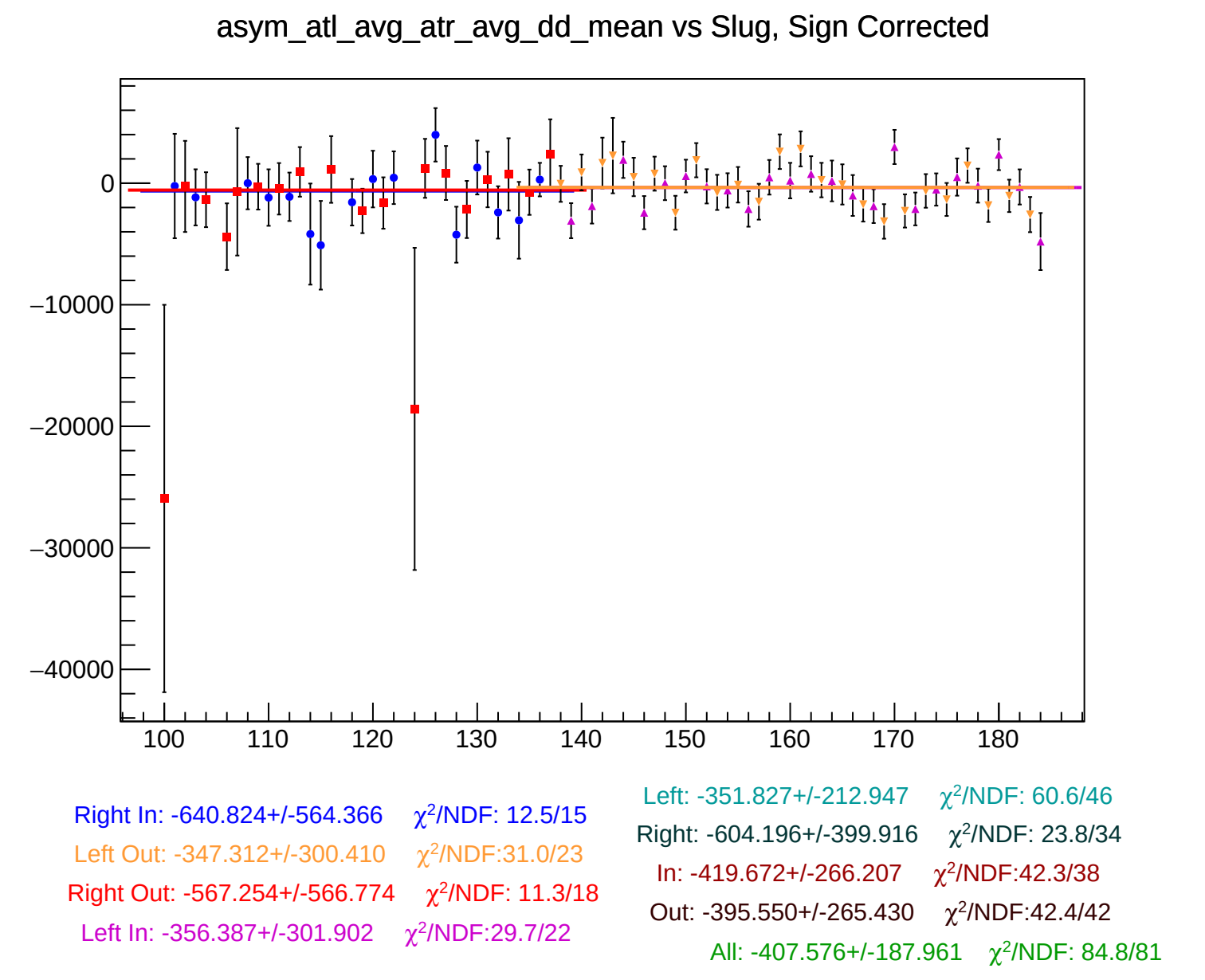
Left: 264.999+/-0.033 χ^2/NDF: 10480733.1/46

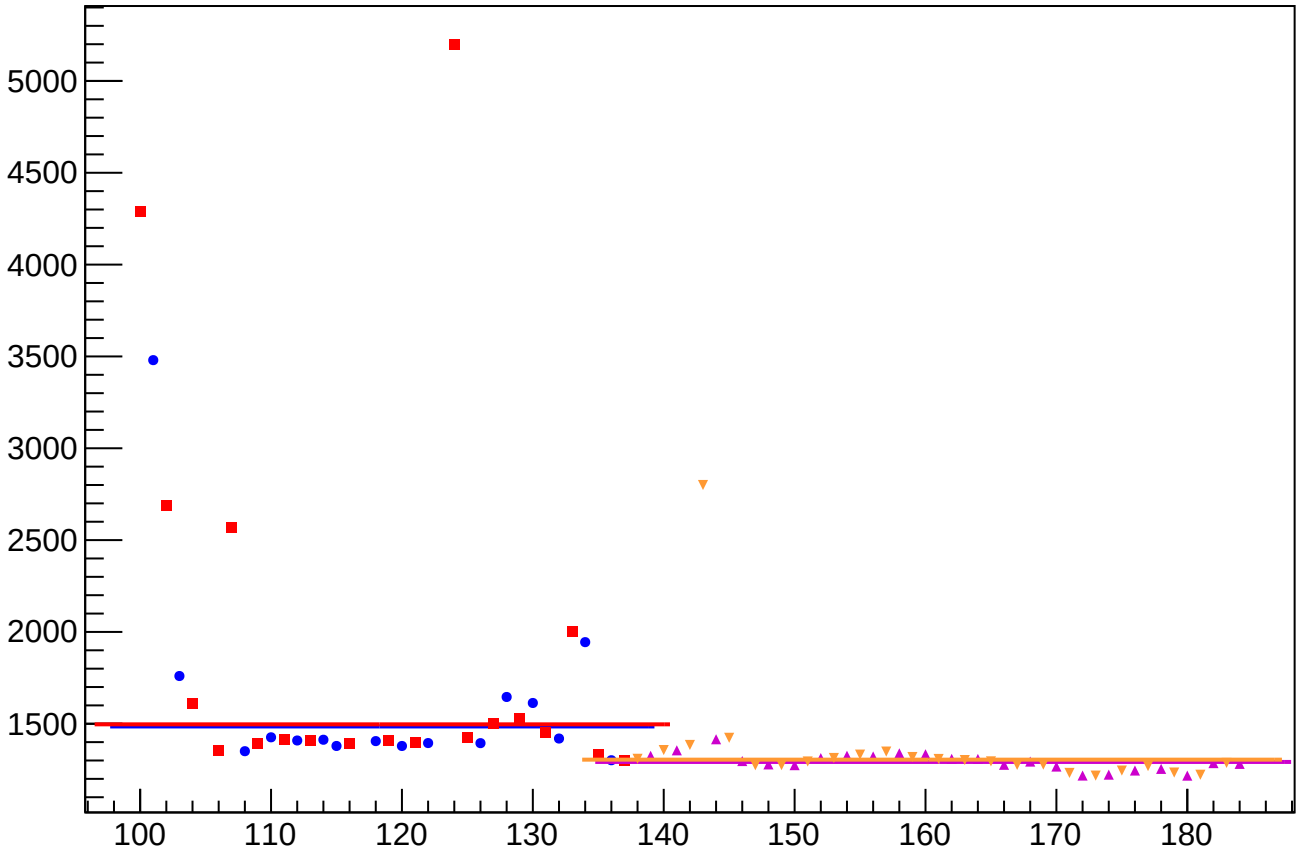
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 291.104+/-0.045 χ^2/NDF:9001525.1/38

Out: 271.435+/-0.043 χ^2/NDF:11931521.1/42

All: 280.708+/-0.031 χ^2/NDF: 21033495.4/81


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: -640.824+/-564.366 χ²/NDF: 12.5/15
Left Out: -347.312+/-300.410 χ²/NDF:31.0/23
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -356.387+/-301.902 χ²/NDF:29.7/22
Left: -351.827+/-212.947 χ²/NDF: 60.6/46
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -419.672+/-266.207 χ²/NDF:42.3/38
Out: -395.550+/-265.430 χ²/NDF:42.4/42
All: -407.576+/-187.961 χ²/NDF: 84.8/81



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: 1292.123+/-0.213 χ^2/NDF:48343.1/22

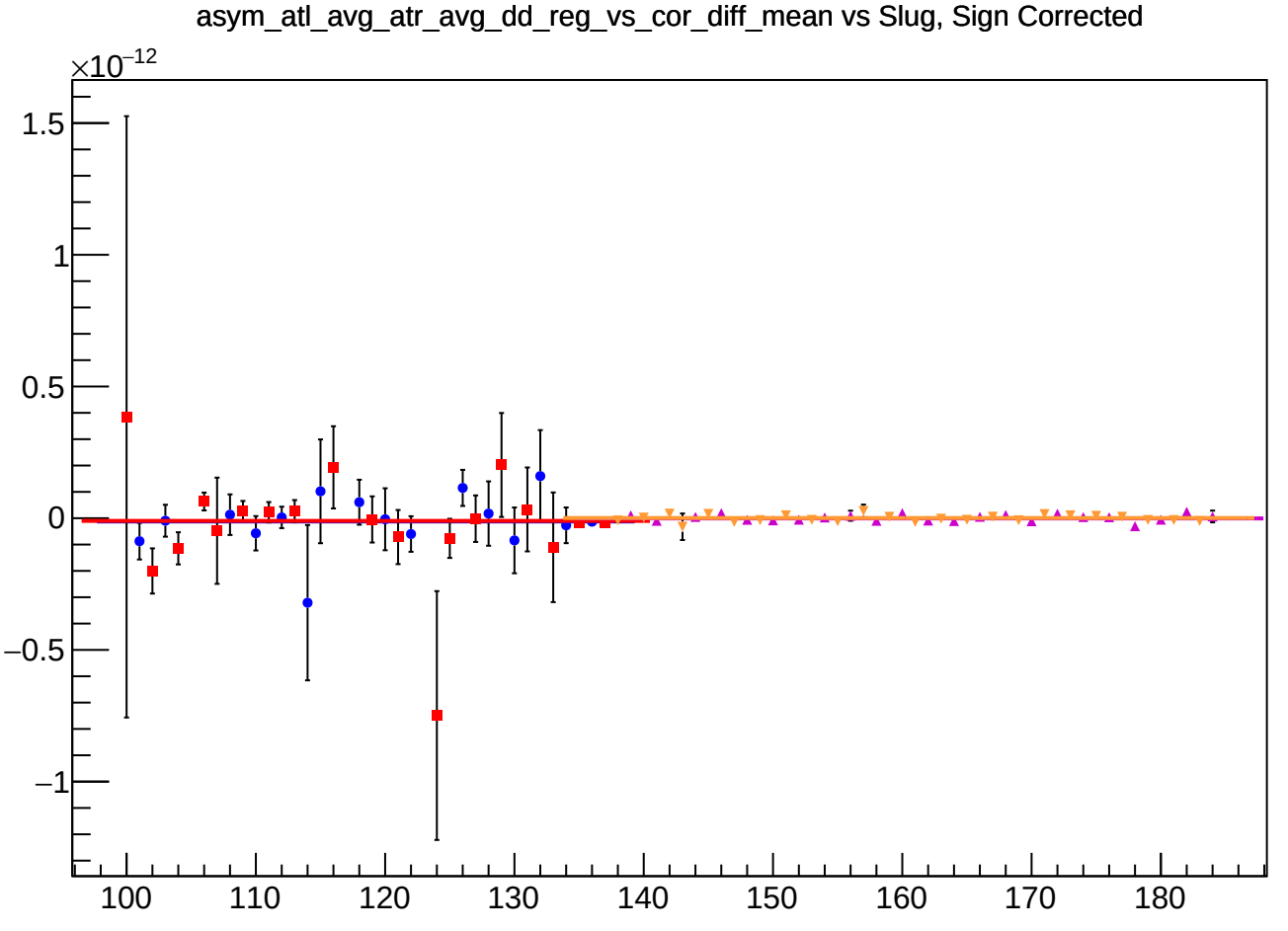
Left: 1298.378+/-0.151 χ^2/NDF: 569391.7/46

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1335.119+/-0.188 χ^2/NDF:815135.7/38

Out: 1346.746+/-0.188 χ^2/NDF:1322361.3/42

All: 1340.949+/-0.133 χ^2/NDF: 2139410.0/81



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:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 53.5/46

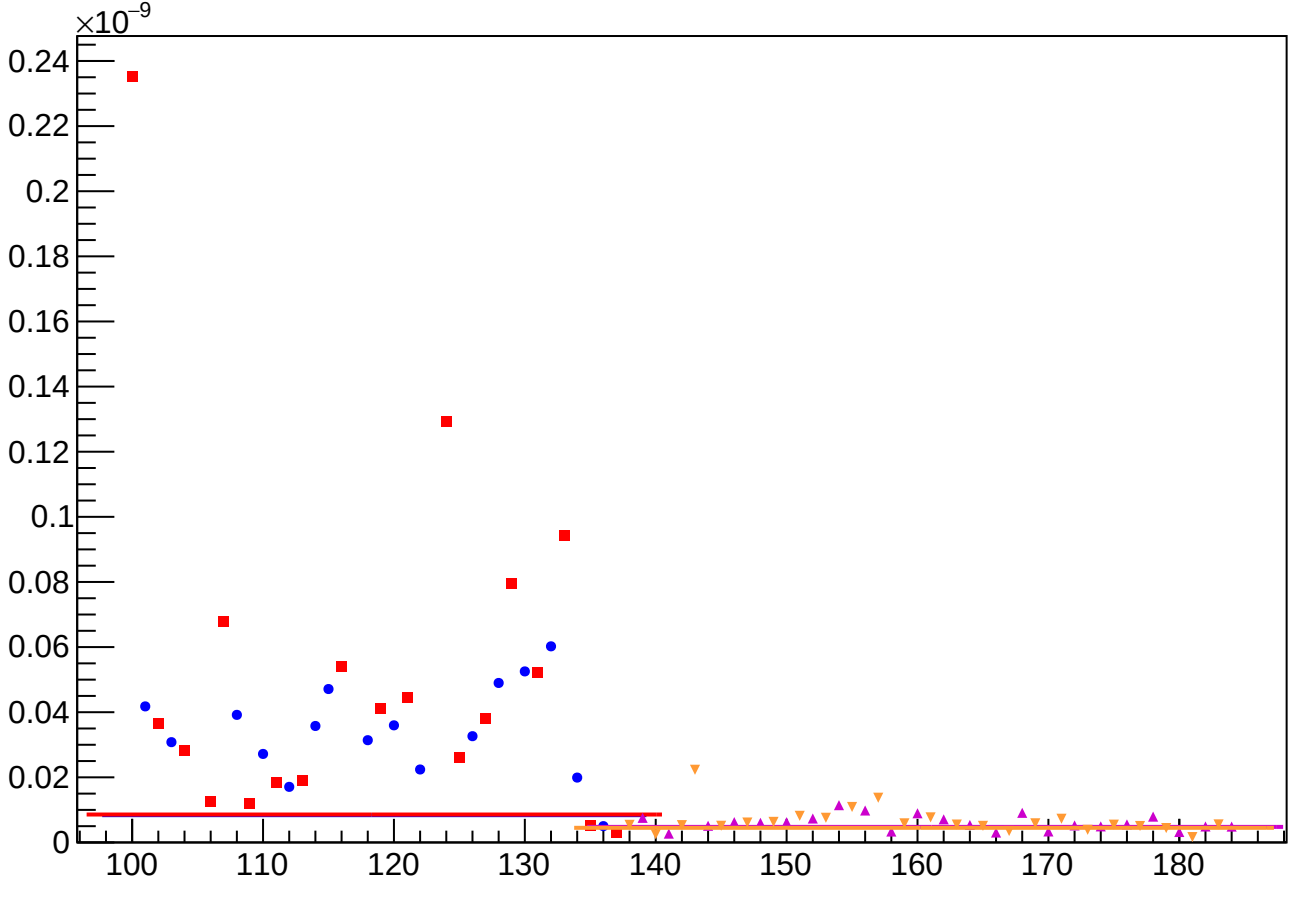
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:41.3/38

Out: 0.000+/-0.000 χ^2/NDF:47.6/42

All: -0.000+/-0.000 χ^2/NDF: 89.3/81

asym_atl_avg_atr_avg_dd_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:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4611830.8/46

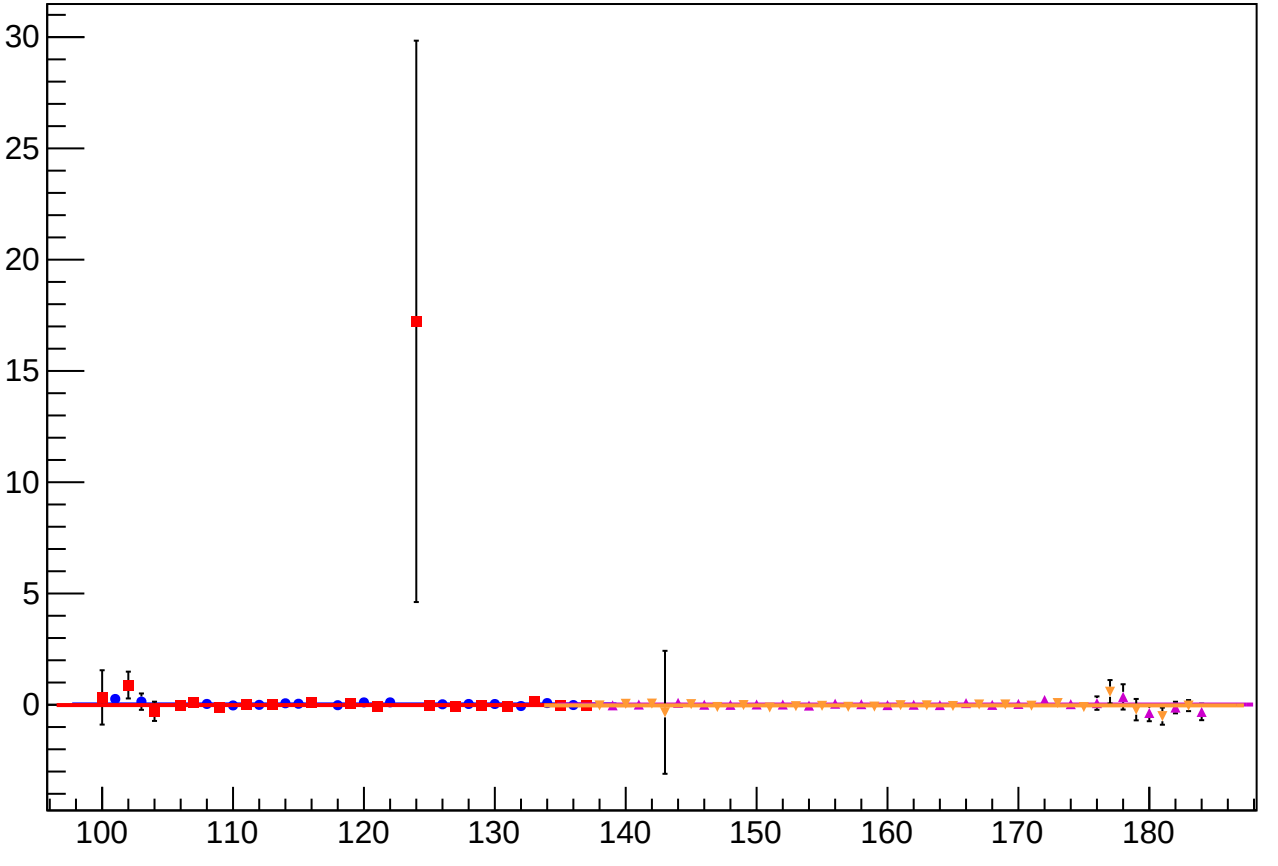
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5381926.7/38

Out: 0.000+/-0.000 χ^2/NDF:6545879.3/42

All: 0.000+/-0.000 χ^2/NDF: 11956261.6/81

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+/-0.009 χ^2/NDF:13.2/22

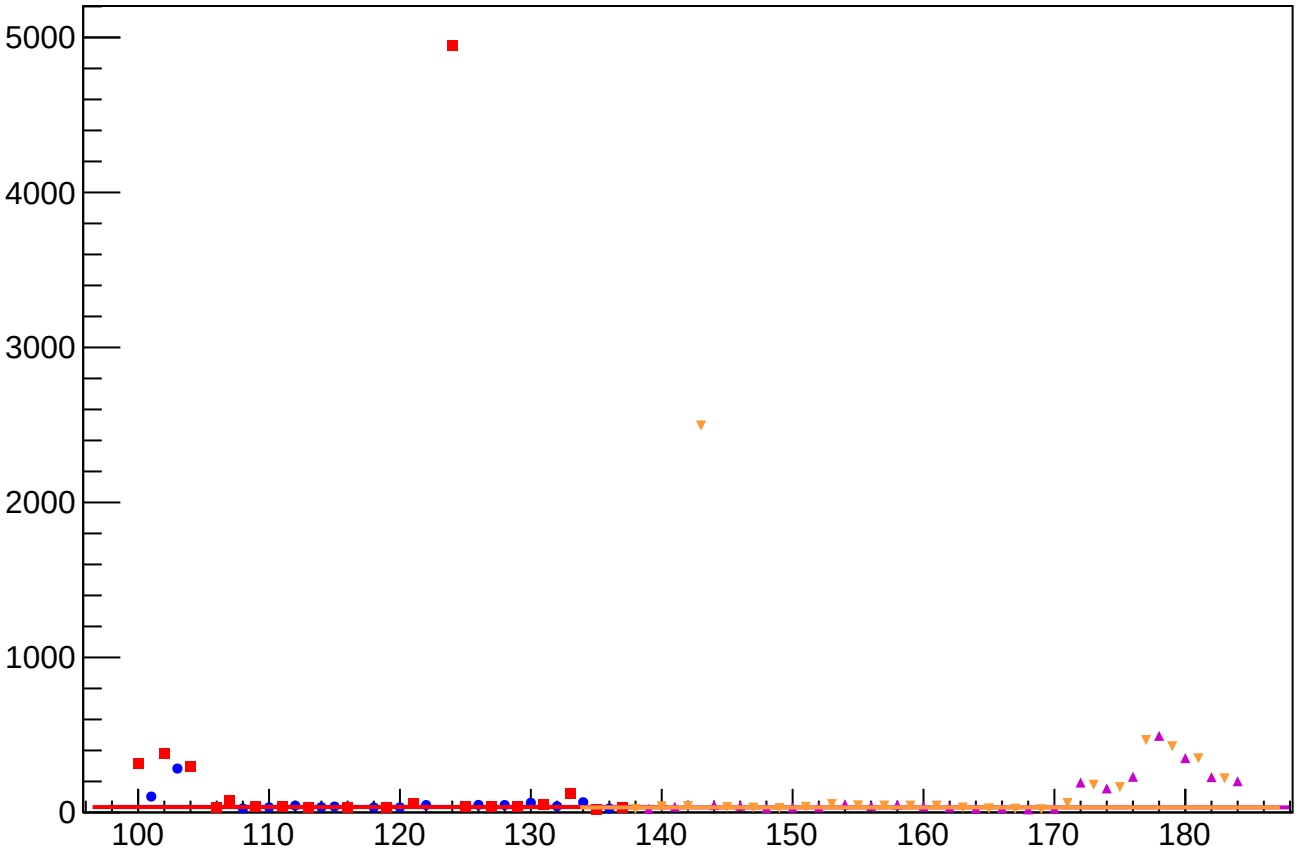
Left: -0.008+/-0.007 χ^2/NDF: 48.3/46

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 78.3/81



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: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.591+/-0.005 χ^2/NDF: 19494221.9/46

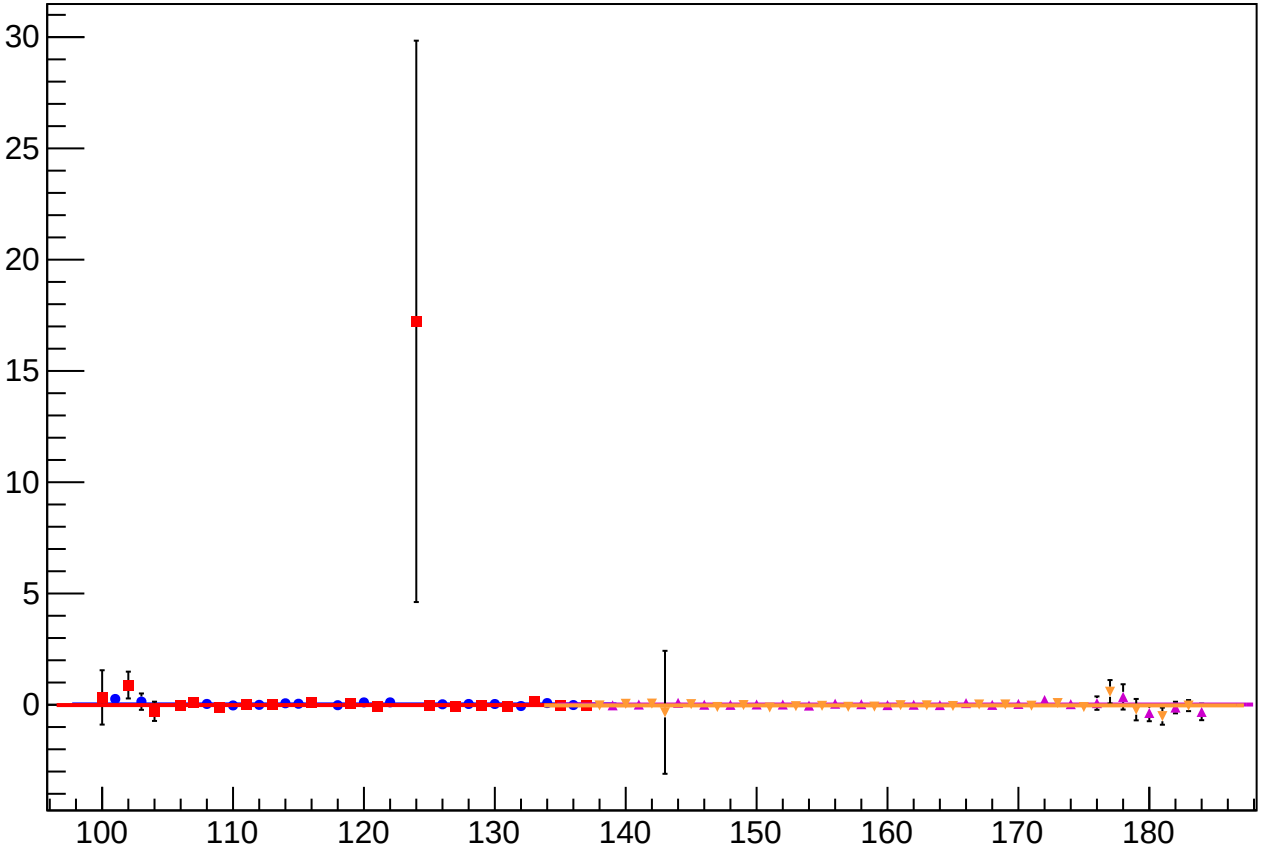
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.563+/-0.006 χ^2/NDF:11282892.1/38

Out: 33.081+/-0.006 χ^2/NDF:13477252.6/42

All: 33.323+/-0.004 χ^2/NDF: 24763673.0/81

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+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 48.3/46

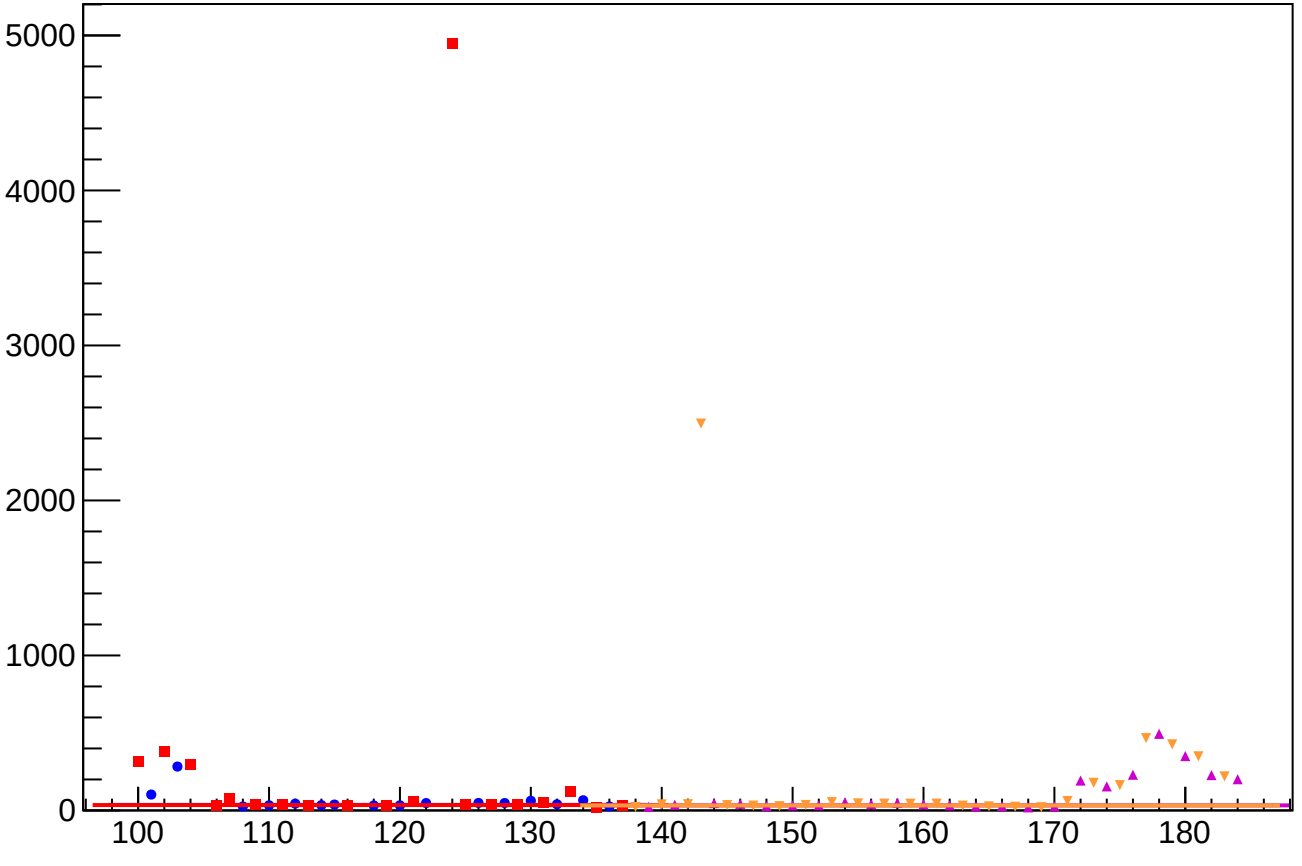
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 78.3/81

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: 32.738+/-0.007 χ^2/NDF:8963240.8/22

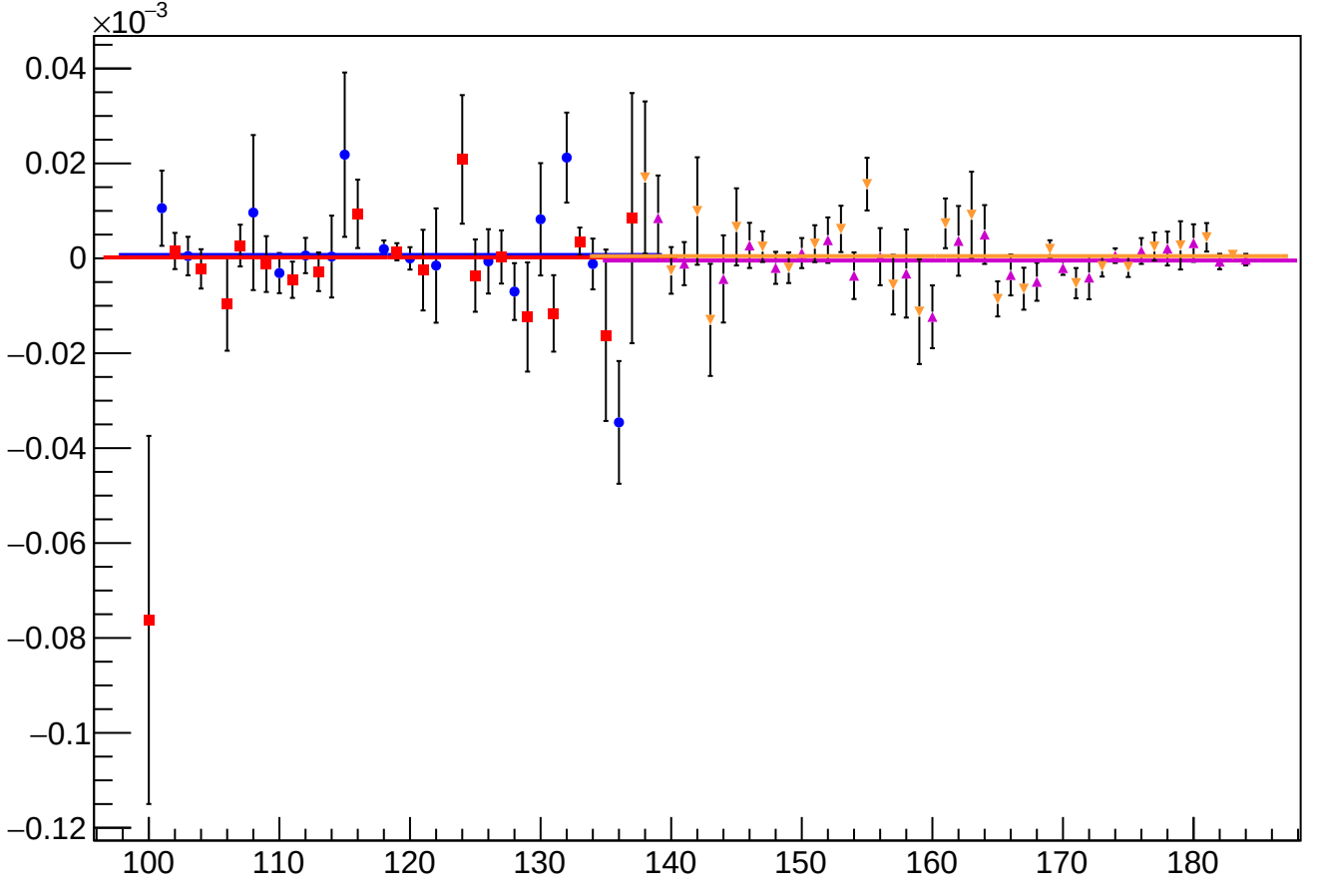
Left: 32.591+/-0.005 χ^2/NDF: 19494221.9/46

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.563+/-0.006 χ^2/NDF:11282892.1/38

Out: 33.081+/-0.006 χ^2/NDF:13477252.6/42

All: 33.323+/-0.004 χ^2/NDF: 24763673.0/81



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:13.7/22

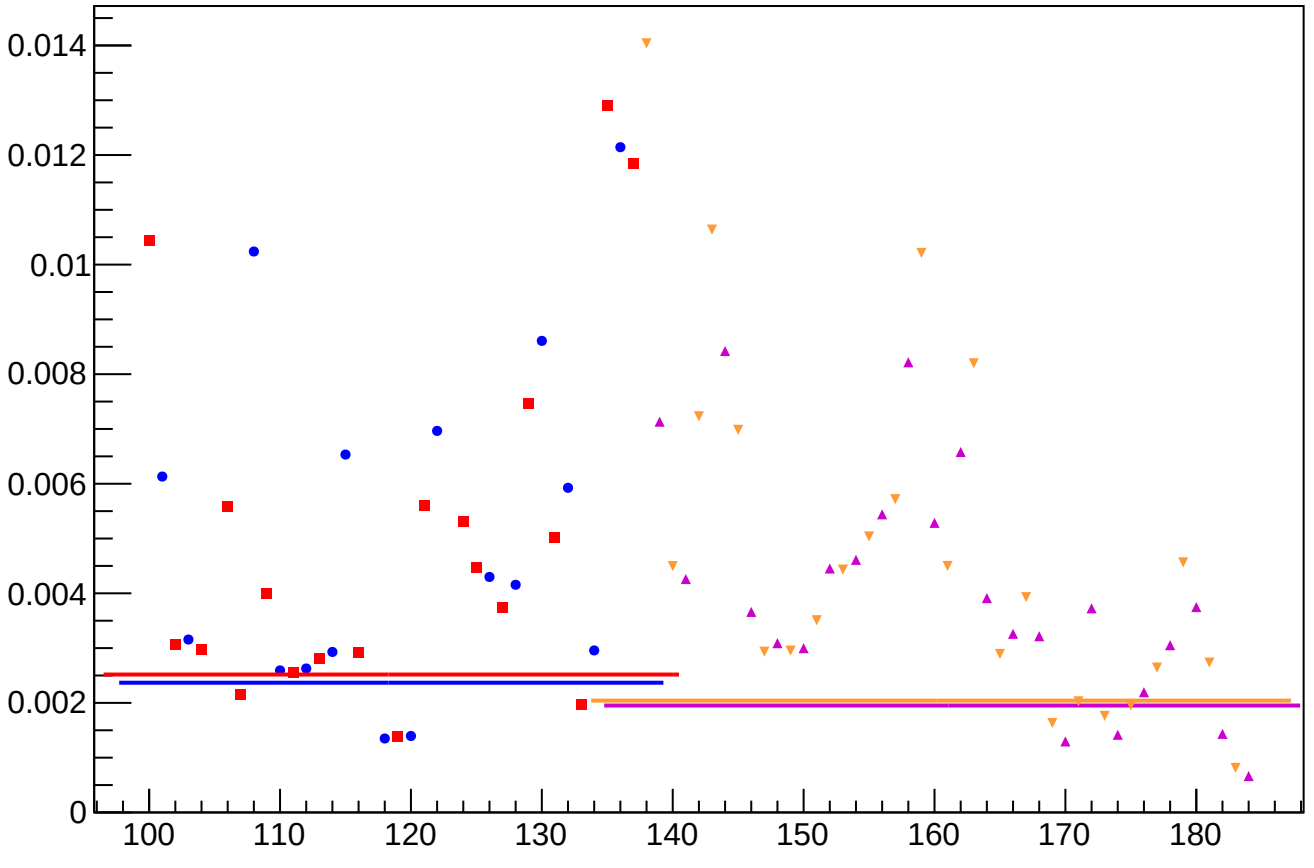
Left: -0.000+/-0.000 χ^2/NDF: 50.6/46

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:33.7/38

Out: 0.000+/-0.000 χ^2/NDF:53.8/42

All: 0.000+/-0.000 χ^2/NDF: 88.2/81



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:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 24666190.8/46

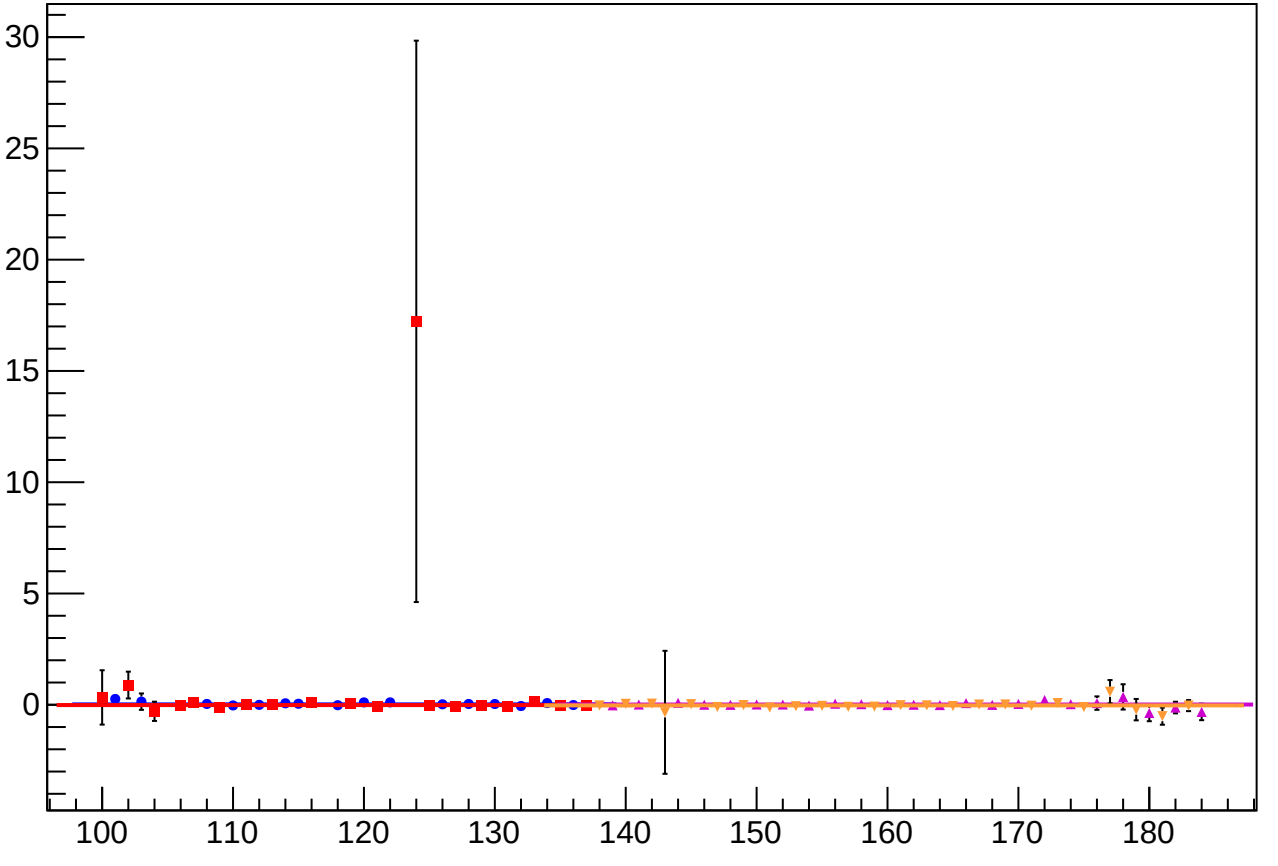
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:16421206.7/38

Out: 0.002+/-0.000 χ^2/NDF:16865294.1/42

All: 0.002+/-0.000 χ^2/NDF: 33333488.4/81

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+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 48.3/46

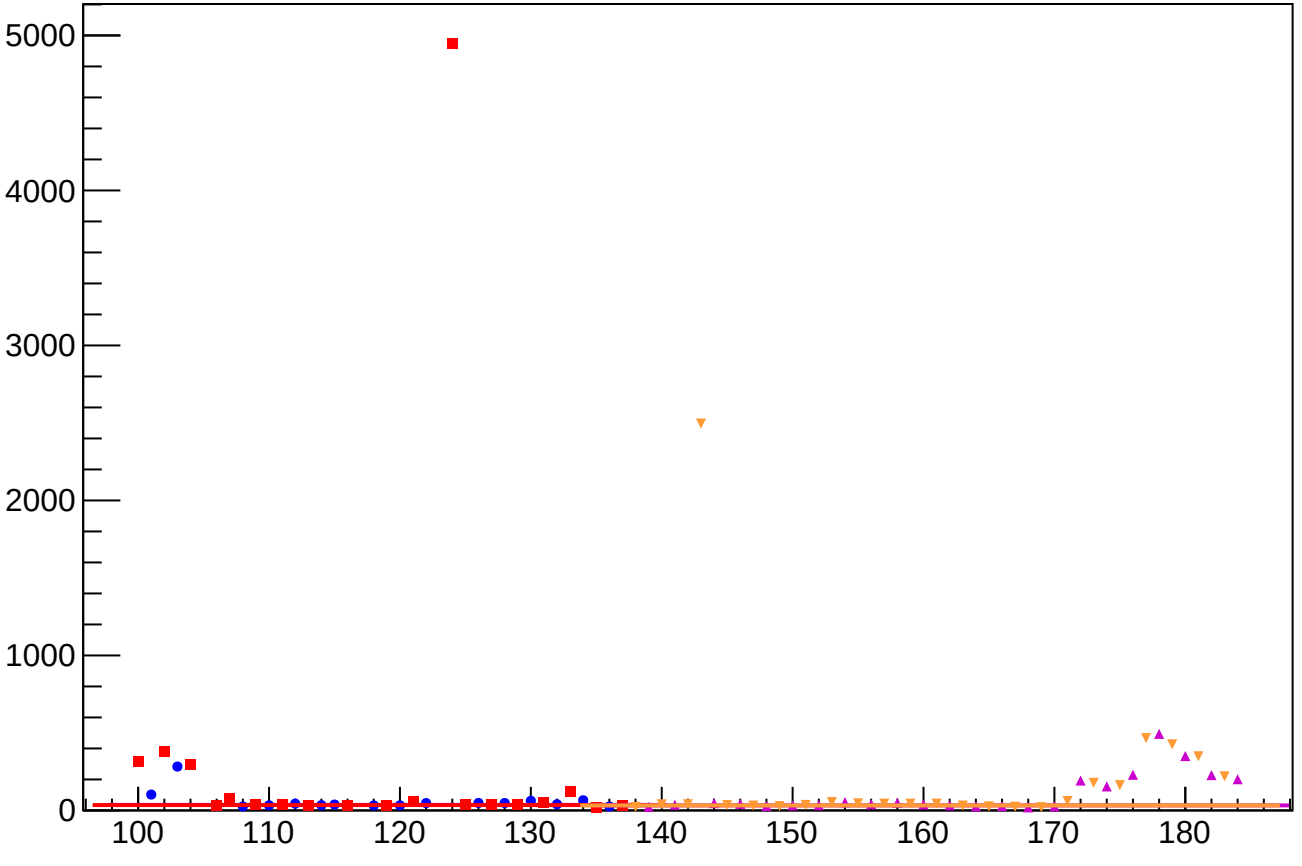
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 78.3/81

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: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.591+/-0.005 χ^2/NDF: 19495104.8/46

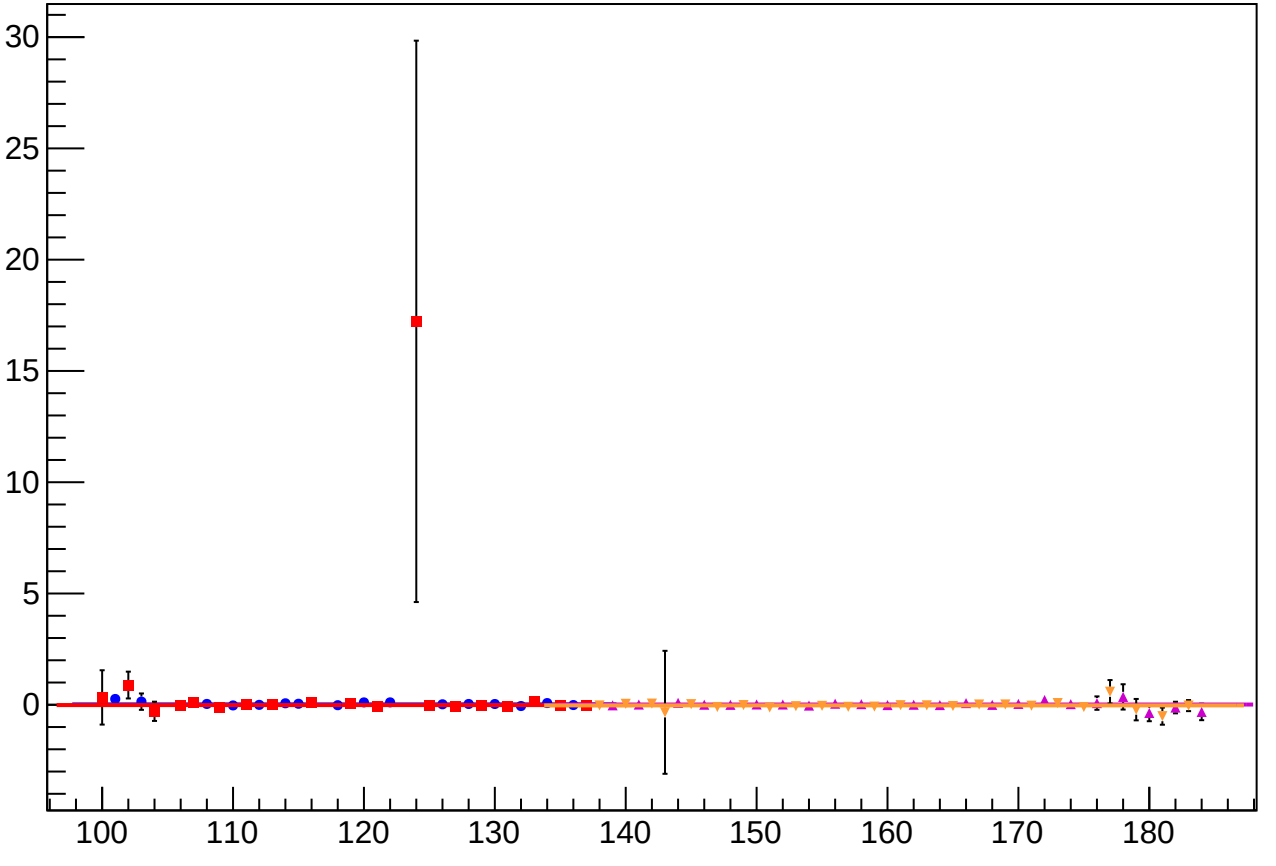
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.562+/-0.006 χ^2/NDF:11283350.5/38

Out: 33.081+/-0.006 χ^2/NDF:13477366.3/42

All: 33.323+/-0.004 χ^2/NDF: 24764235.2/81

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+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 48.3/46

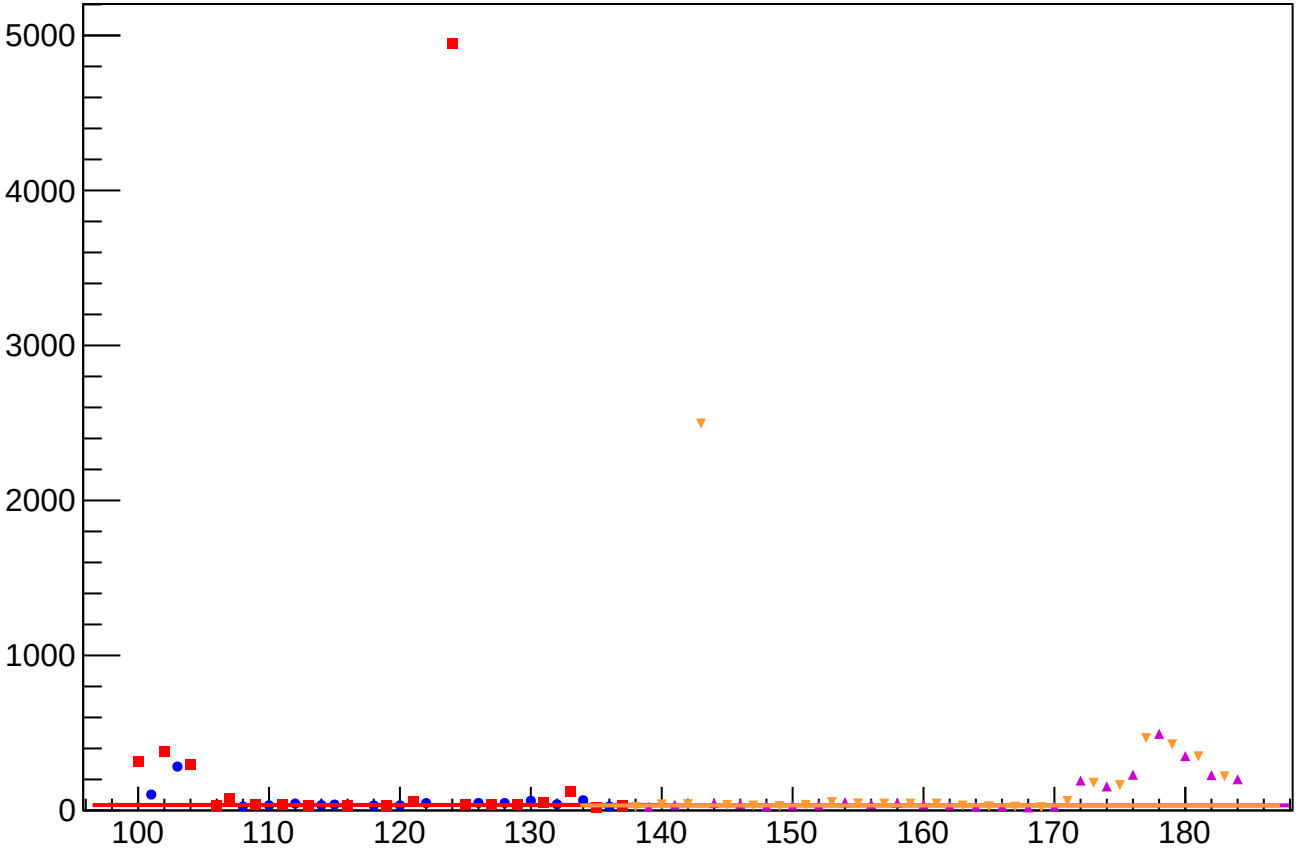
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 78.3/81

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: 32.737+/-0.007 χ^2/NDF:8963873.9/22

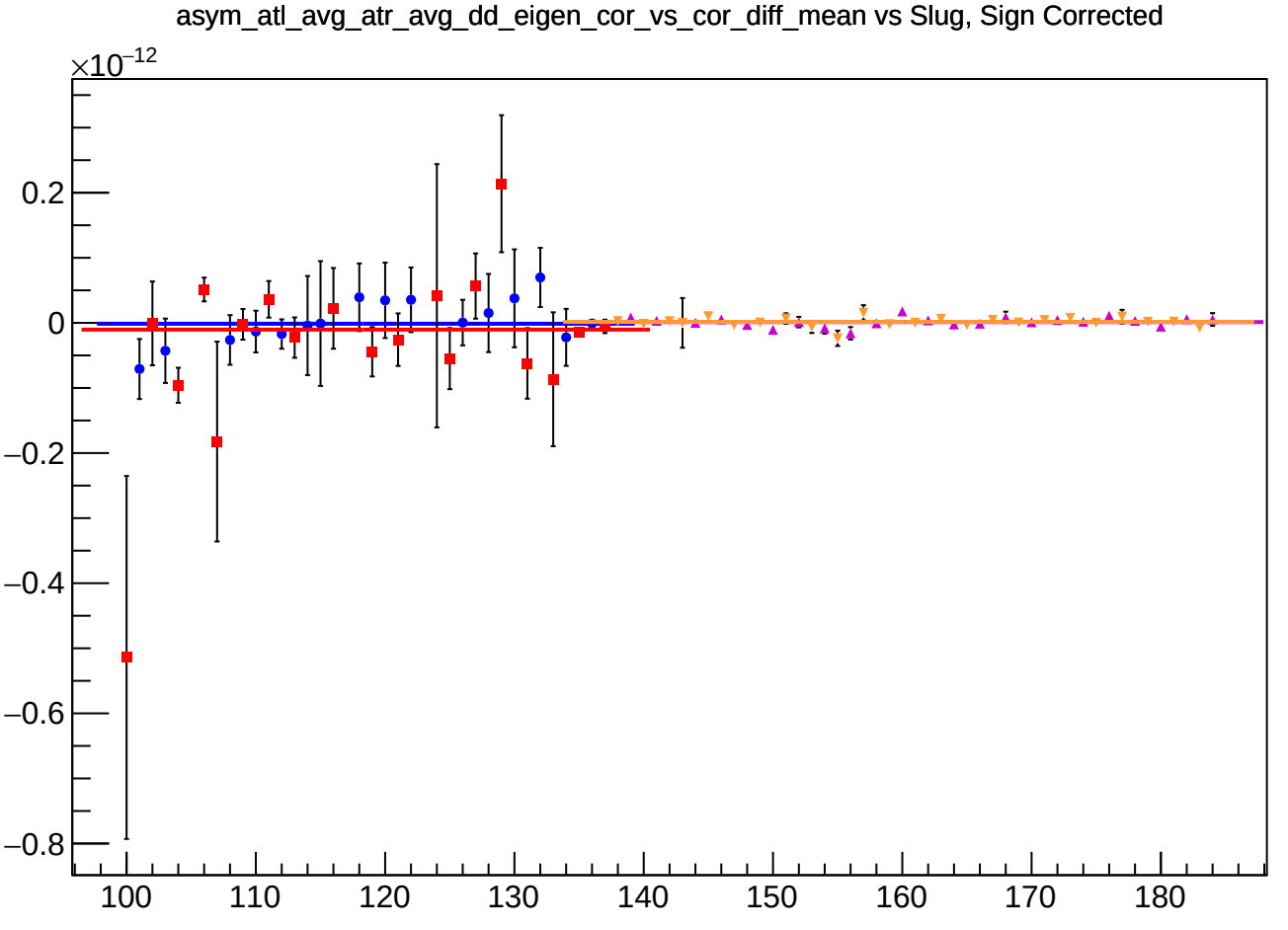
Left: 32.591+/-0.005 χ^2/NDF: 19495104.8/46

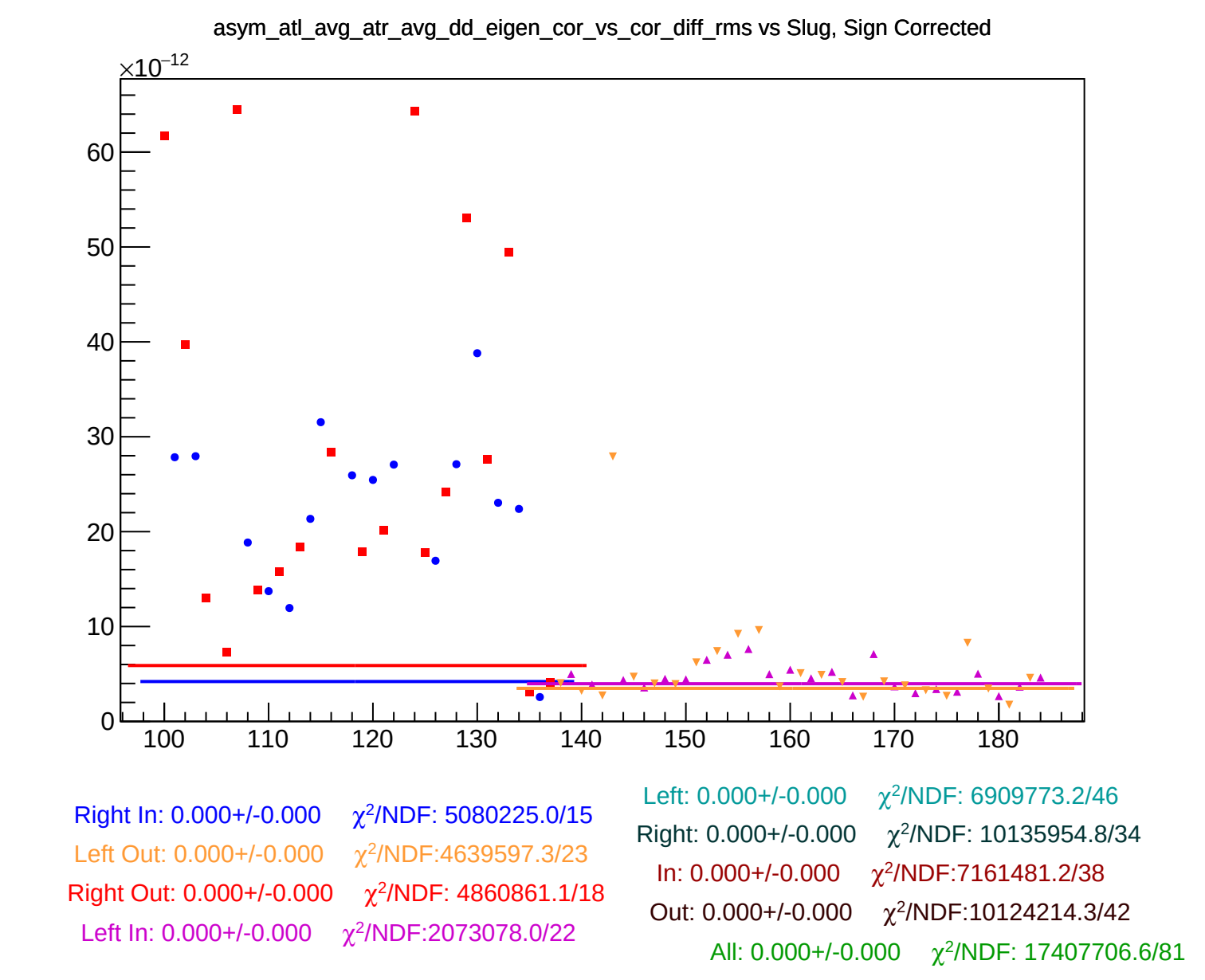
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

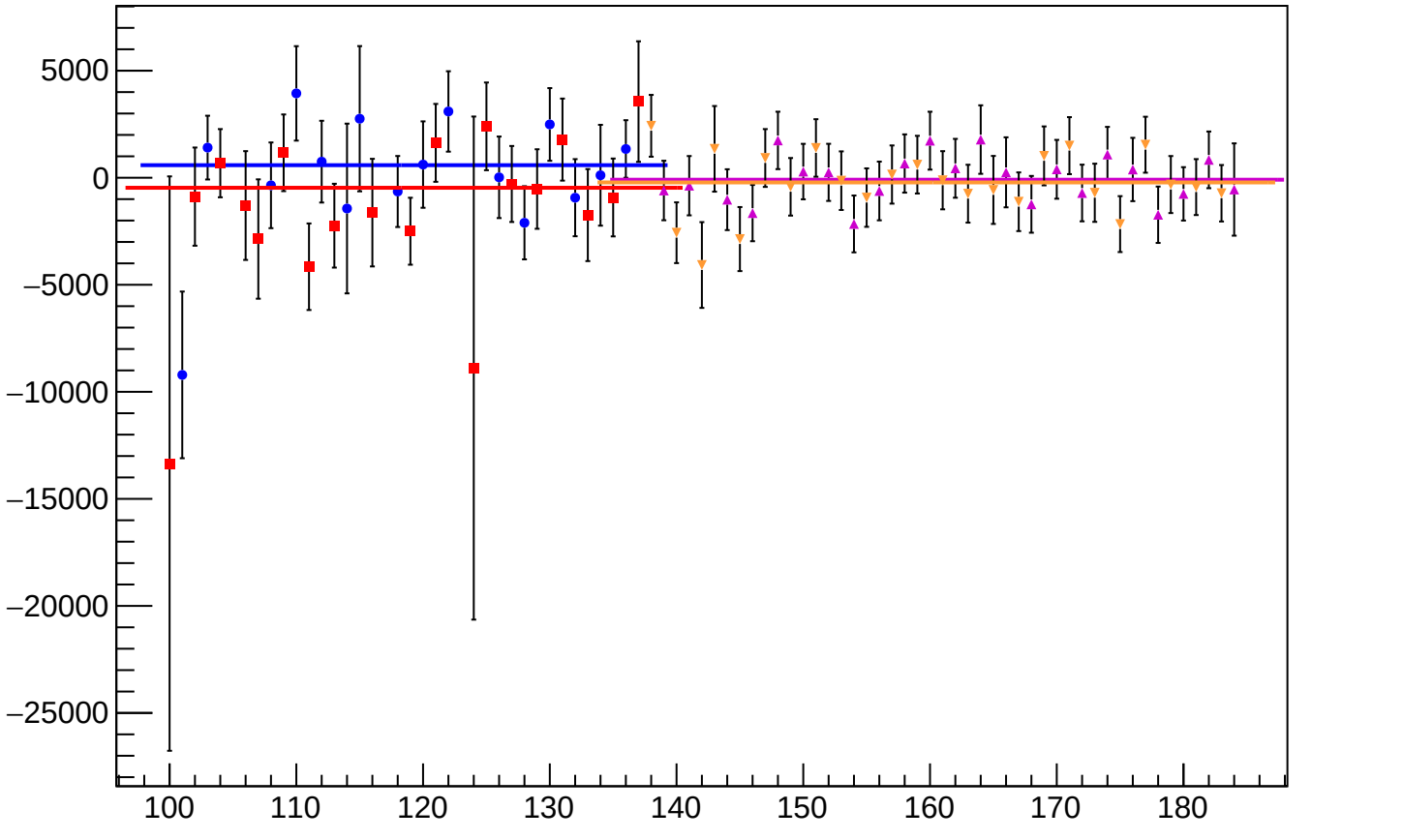
In: 33.562+/-0.006 χ^2/NDF:11283350.5/38

Out: 33.081+/-0.006 χ^2/NDF:13477366.3/42

All: 33.323+/-0.004 χ^2/NDF: 24764235.2/81


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:28.7/22
Left: 0.000+/-0.000 χ²/NDF: 46.6/46
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:37.8/38
Out: 0.000+/-0.000 χ²/NDF:65.3/42
All: 0.000+/-0.000 χ²/NDF: 103.1/81


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:4639597.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
Left: 0.000+/-0.000 χ²/NDF: 6909773.2/46
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:7161481.2/38
Out: 0.000+/-0.000 χ²/NDF:10124214.3/42
All: 0.000+/-0.000 χ²/NDF: 17407706.6/81



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: -92.402+/-288.217 χ^2/NDF:14.7/22

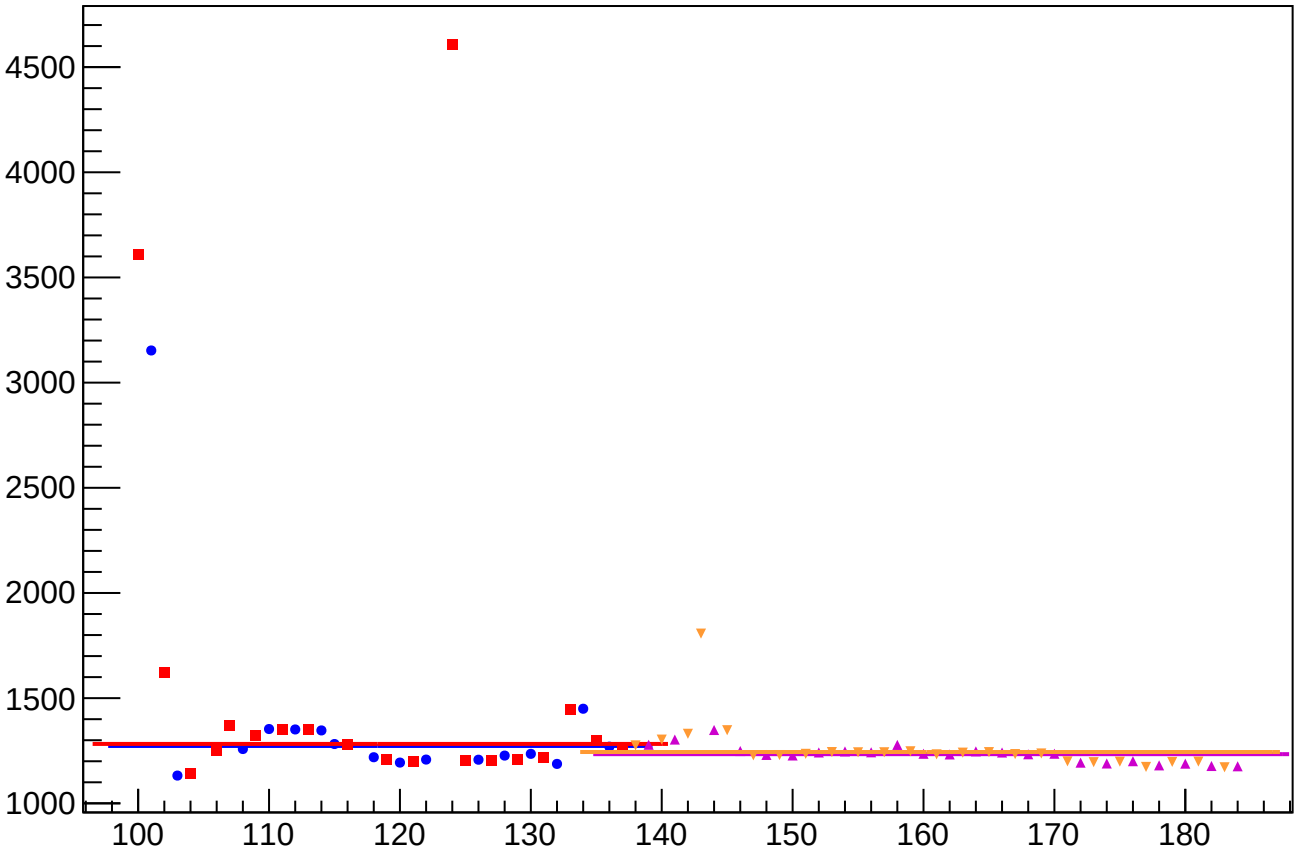
Left: -156.482+/-202.739 χ^2/NDF: 38.7/46

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 86.287+/-247.425 χ^2/NDF:33.2/38

Out: -284.324+/-245.279 χ^2/NDF:41.0/42

All: -100.633+/-174.192 χ^2/NDF: 75.3/81



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: 1233.752+/-0.204 χ^2/NDF:39281.8/22

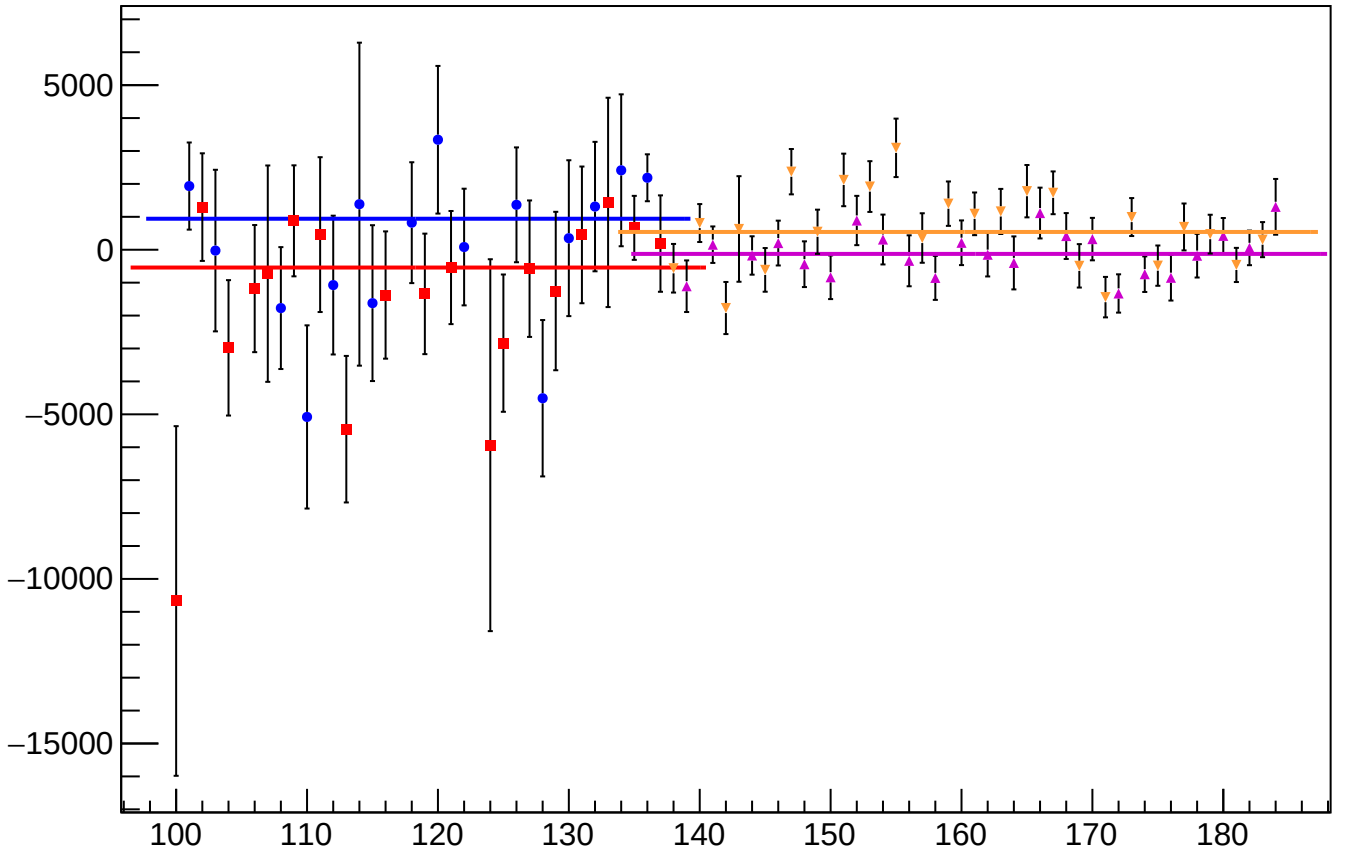
Left: 1238.927+/-0.143 χ^2/NDF: 241648.0/46

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1244.024+/-0.175 χ^2/NDF:568238.0/38

Out: 1253.993+/-0.173 χ^2/NDF:532598.0/42

All: 1249.052+/-0.123 χ^2/NDF: 1102473.5/81



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: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 206.914+/-97.056 χ^2/NDF: 99.0/46

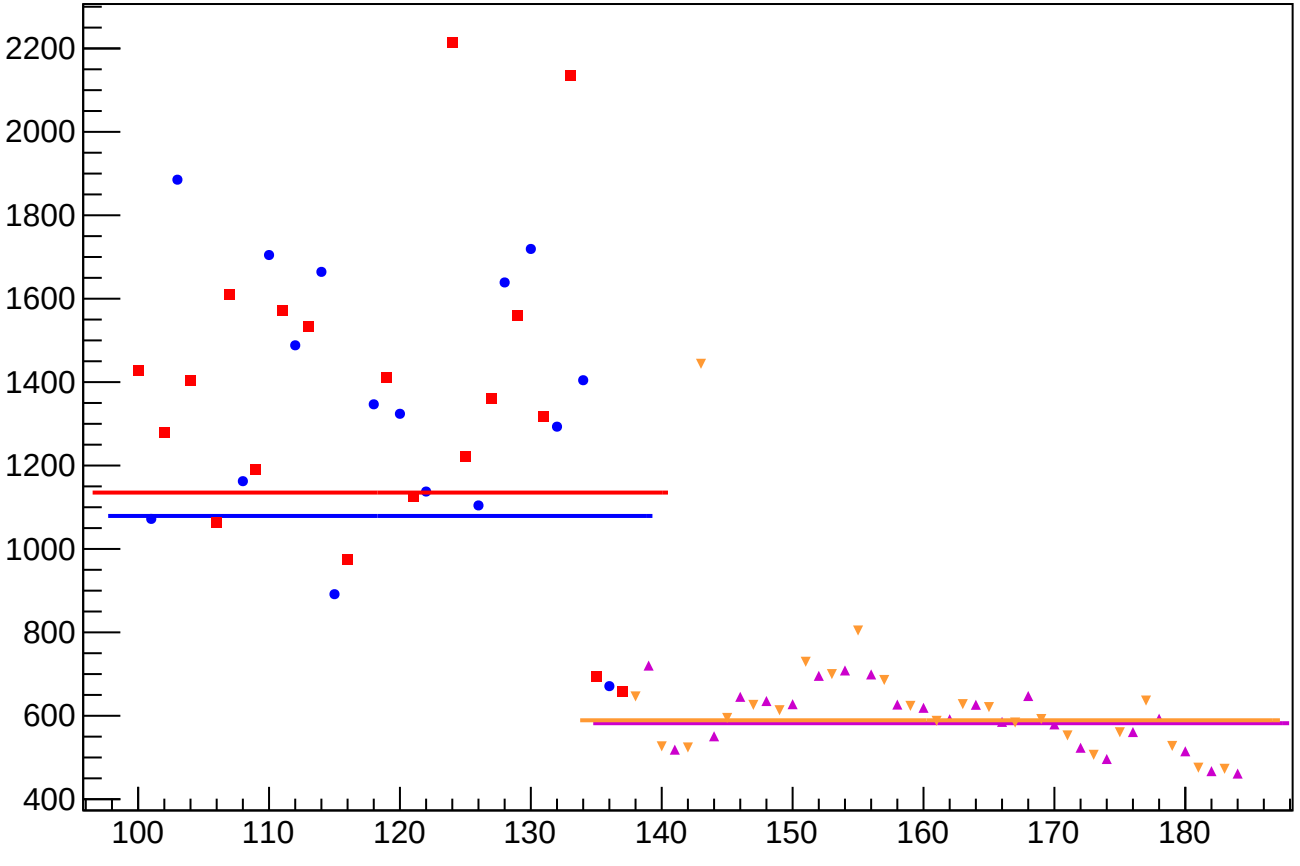
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -26.012+/-130.646 χ^2/NDF:47.2/38

Out: 444.430+/-131.021 χ^2/NDF:88.3/42

All: 208.536+/-92.513 χ^2/NDF: 142.0/81

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: 582.190+/-0.097 χ^2/NDF:559261.3/22

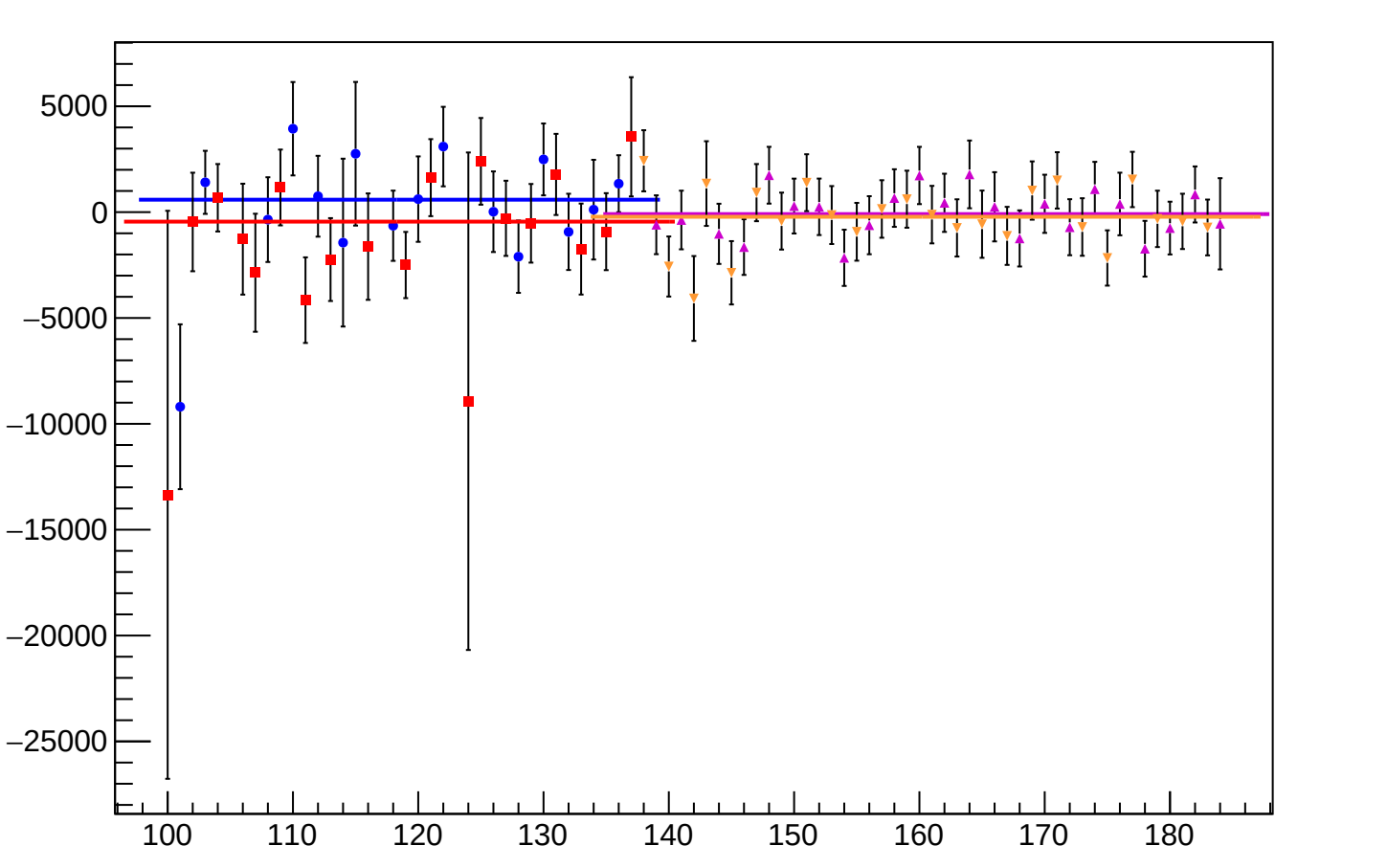
Left: 585.699+/-0.069 χ^2/NDF: 1730603.9/46

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 628.964+/-0.092 χ^2/NDF:4508672.9/38

Out: 637.637+/-0.093 χ^2/NDF:5269072.0/42

All: 633.288+/-0.065 χ^2/NDF: 9782139.1/81



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: -92.472+/-288.217 χ^2/NDF:14.7/22

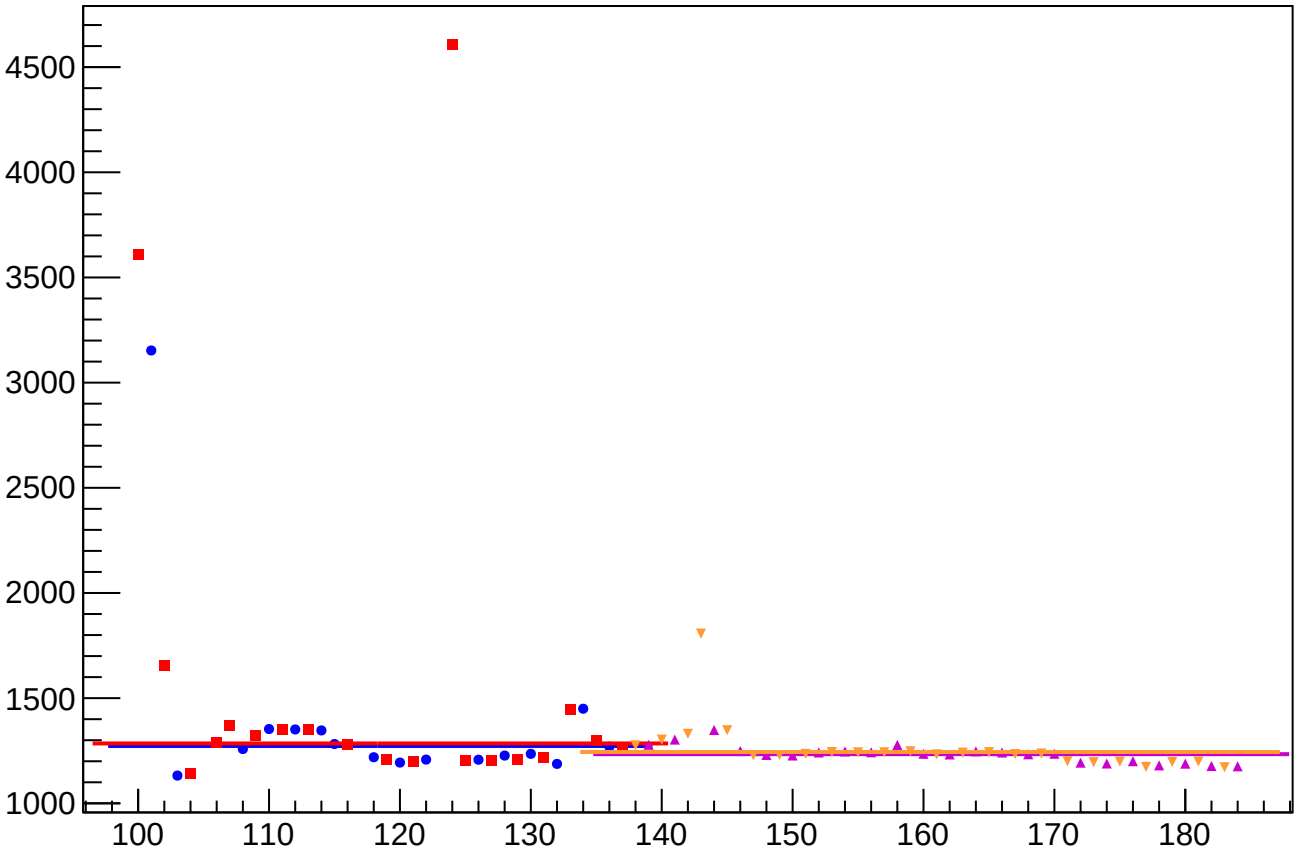
Left: -156.538+/-202.739 χ^2/NDF: 38.7/46

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 86.319+/-247.425 χ^2/NDF:33.2/38

Out: -278.837+/-245.388 χ^2/NDF:40.9/42

All: -97.769+/-174.231 χ^2/NDF: 75.2/81



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: 1233.752+/-0.204 χ^2/NDF:39281.7/22

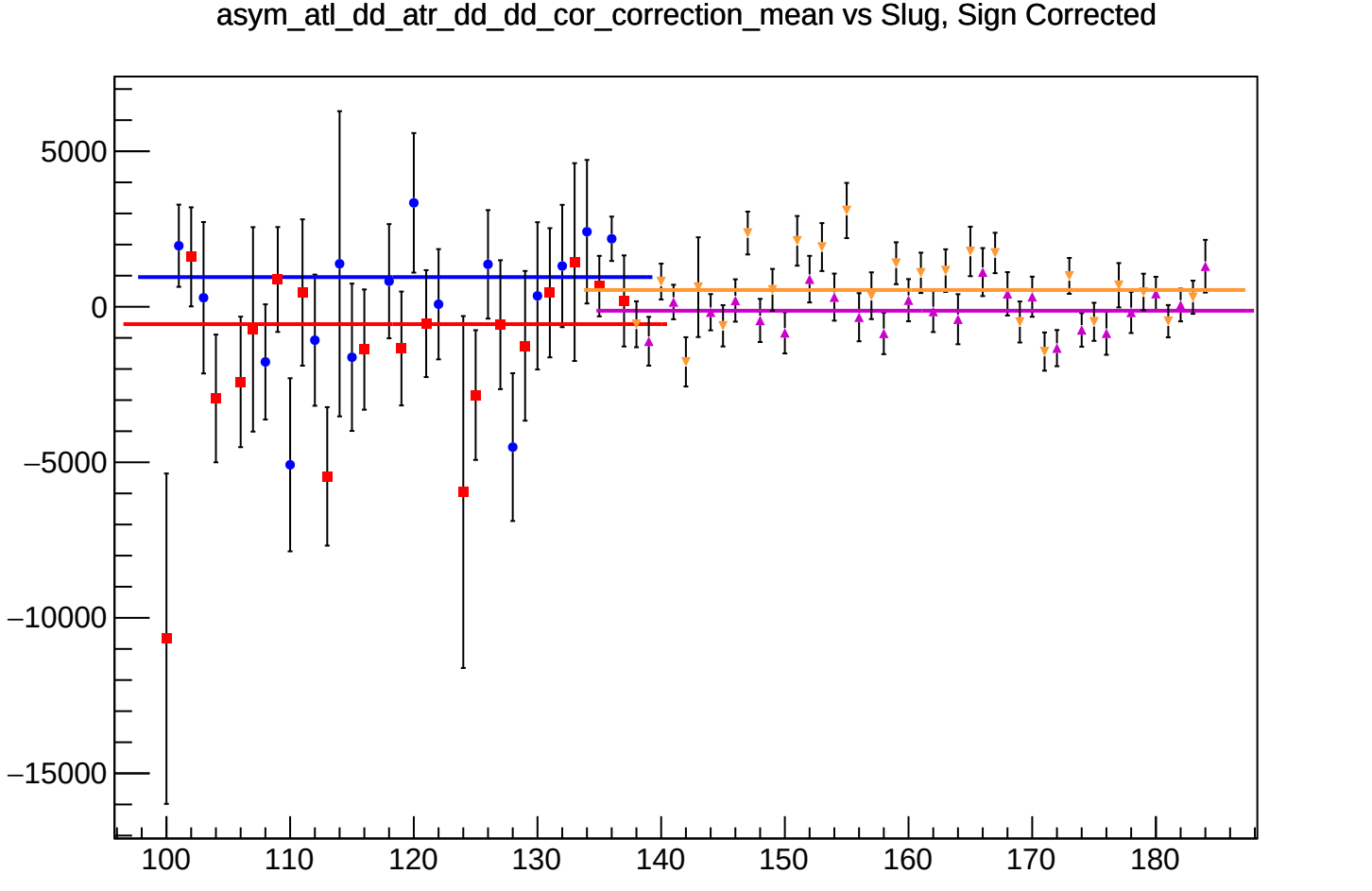
Left: 1238.927+/-0.143 χ^2/NDF: 241647.9/46

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1244.024+/-0.175 χ^2/NDF:568239.3/38

Out: 1254.563+/-0.174 χ^2/NDF:540386.5/42

All: 1249.337+/-0.123 χ^2/NDF: 1110455.1/81



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: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 206.919+/-97.056 χ^2/NDF: 99.0/46

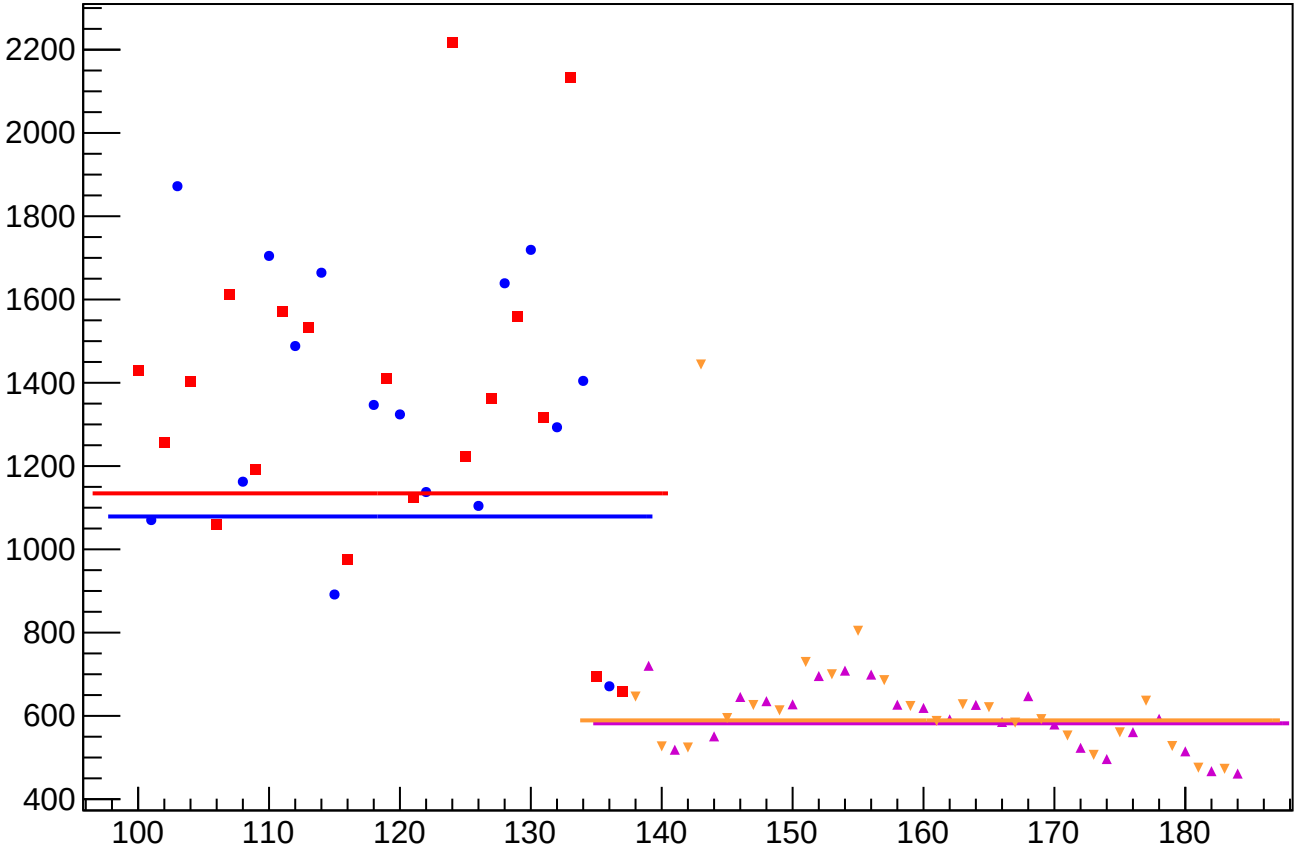
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -24.752+/-130.641 χ^2/NDF:47.3/38

Out: 443.234+/-131.044 χ^2/NDF:89.7/42

All: 208.520+/-92.519 χ^2/NDF: 143.4/81

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: 582.189+/-0.097 χ^2/NDF:559258.0/22

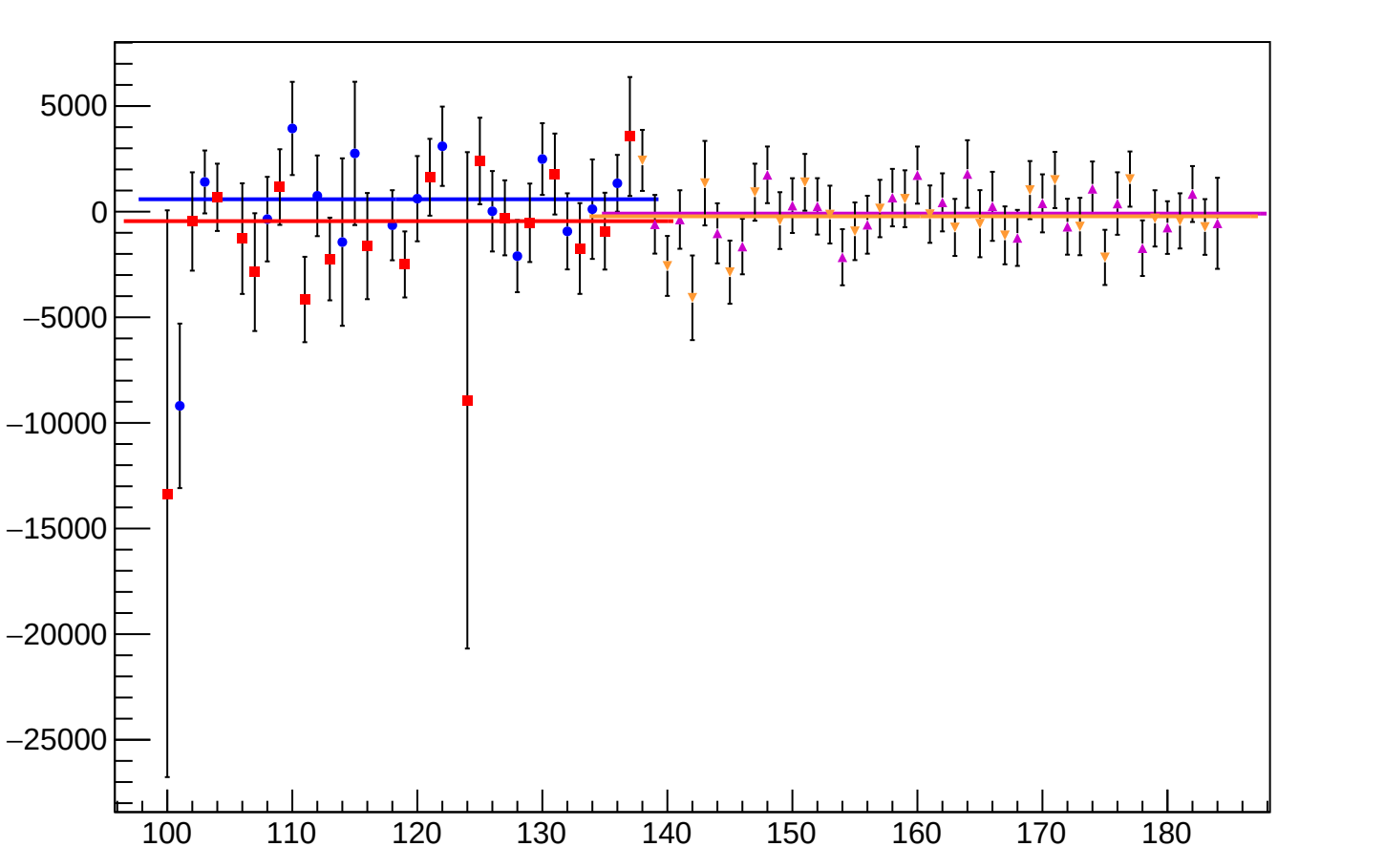
Left: 585.700+/-0.069 χ^2/NDF: 1730503.4/46

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 628.980+/-0.092 χ^2/NDF:4505163.2/38

Out: 637.407+/-0.093 χ^2/NDF:5247329.7/42

All: 633.180+/-0.065 χ^2/NDF: 9756641.0/81



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: -92.472+/-288.217 χ^2/NDF:14.7/22

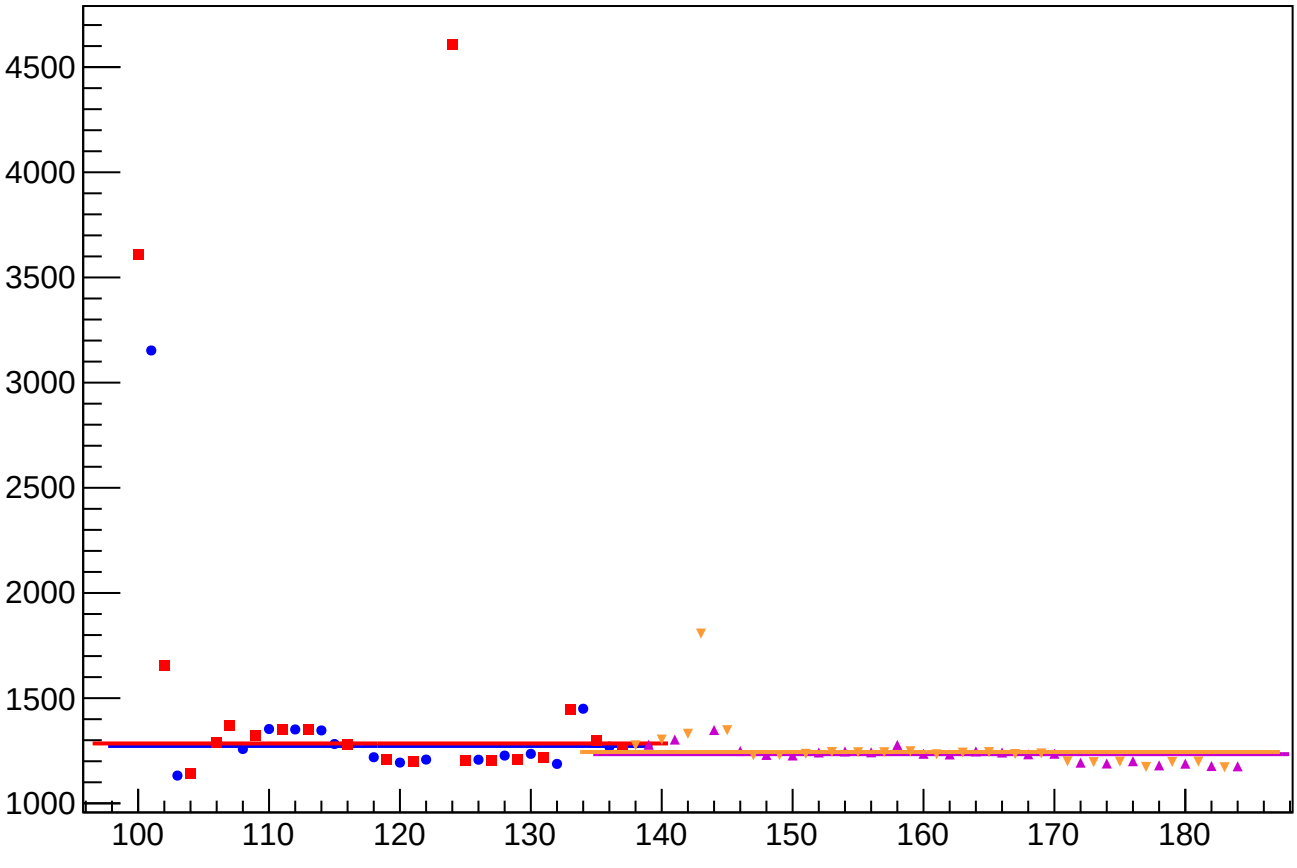
Left: -156.538+/-202.739 χ^2/NDF: 38.7/46

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 86.319+/-247.425 χ^2/NDF:33.2/38

Out: -278.837+/-245.388 χ^2/NDF:40.9/42

All: -97.769+/-174.231 χ^2/NDF: 75.2/81



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: 1233.752+/-0.204 χ^2/NDF:39281.7/22

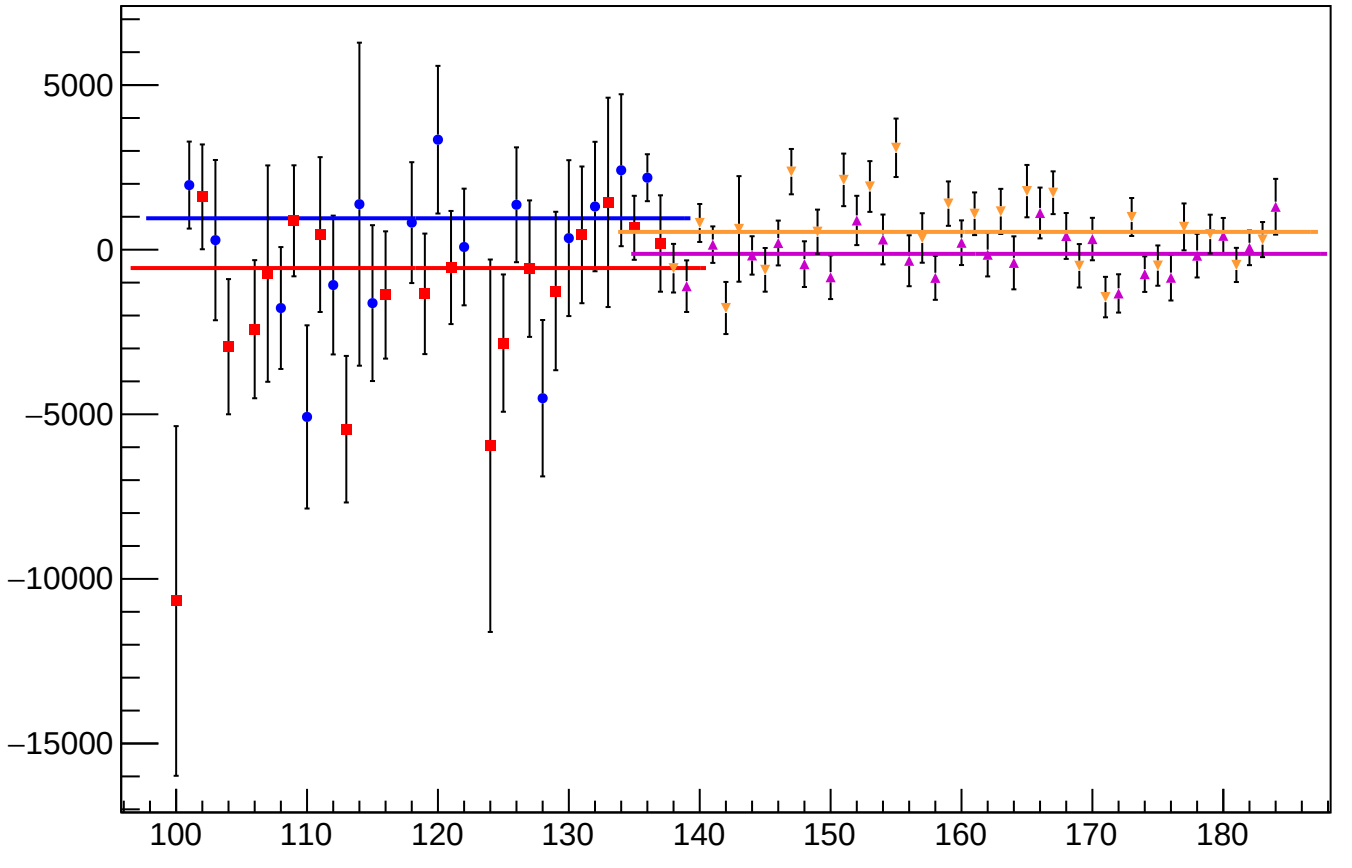
Left: 1238.927+/-0.143 χ^2/NDF: 241647.9/46

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1244.024+/-0.175 χ^2/NDF:568239.3/38

Out: 1254.563+/-0.174 χ^2/NDF:540386.5/42

All: 1249.337+/-0.123 χ^2/NDF: 1110455.1/81



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: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 206.919+/-97.056 χ^2/NDF: 99.0/46

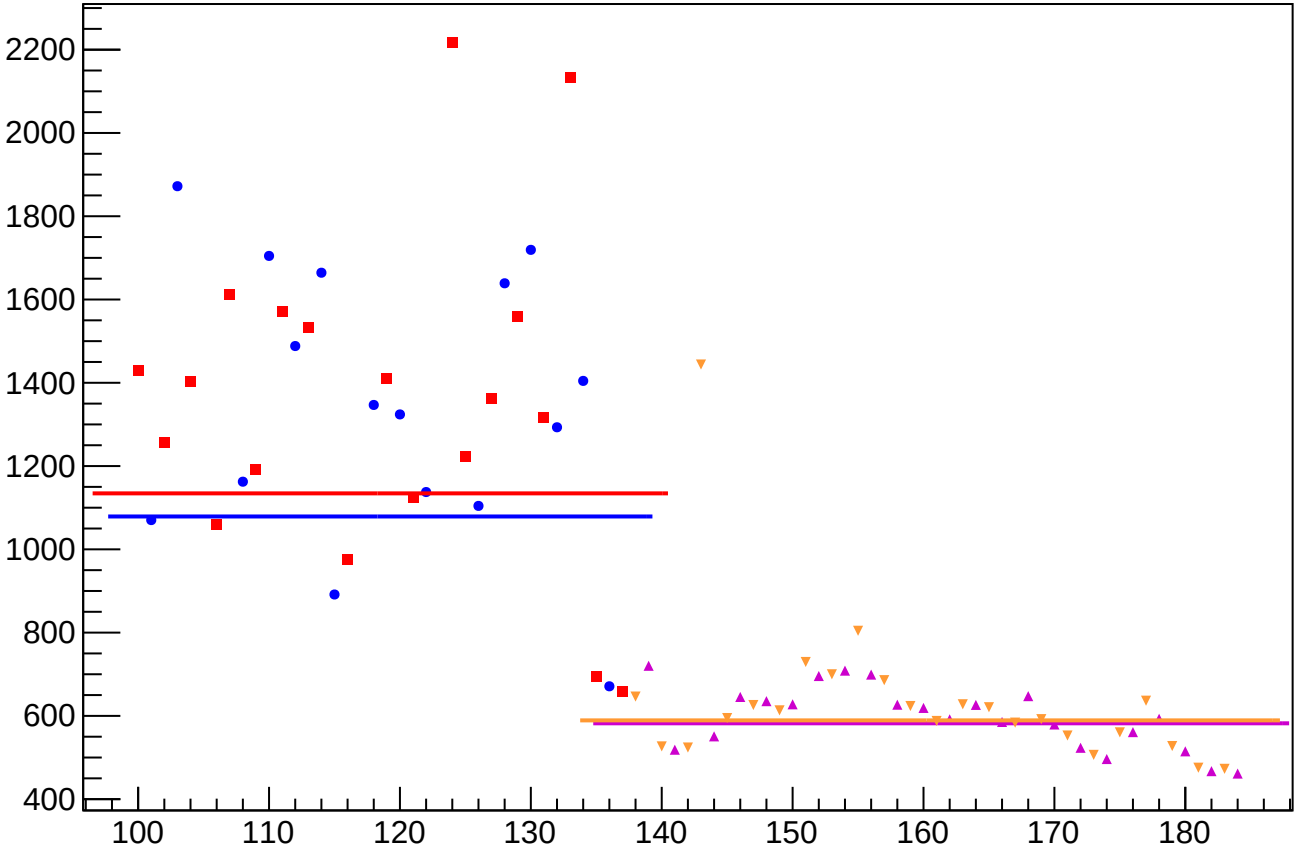
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -24.752+/-130.641 χ^2/NDF:47.3/38

Out: 443.234+/-131.044 χ^2/NDF:89.7/42

All: 208.520+/-92.519 χ^2/NDF: 143.4/81

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: 582.189+/-0.097 χ^2/NDF:559258.0/22

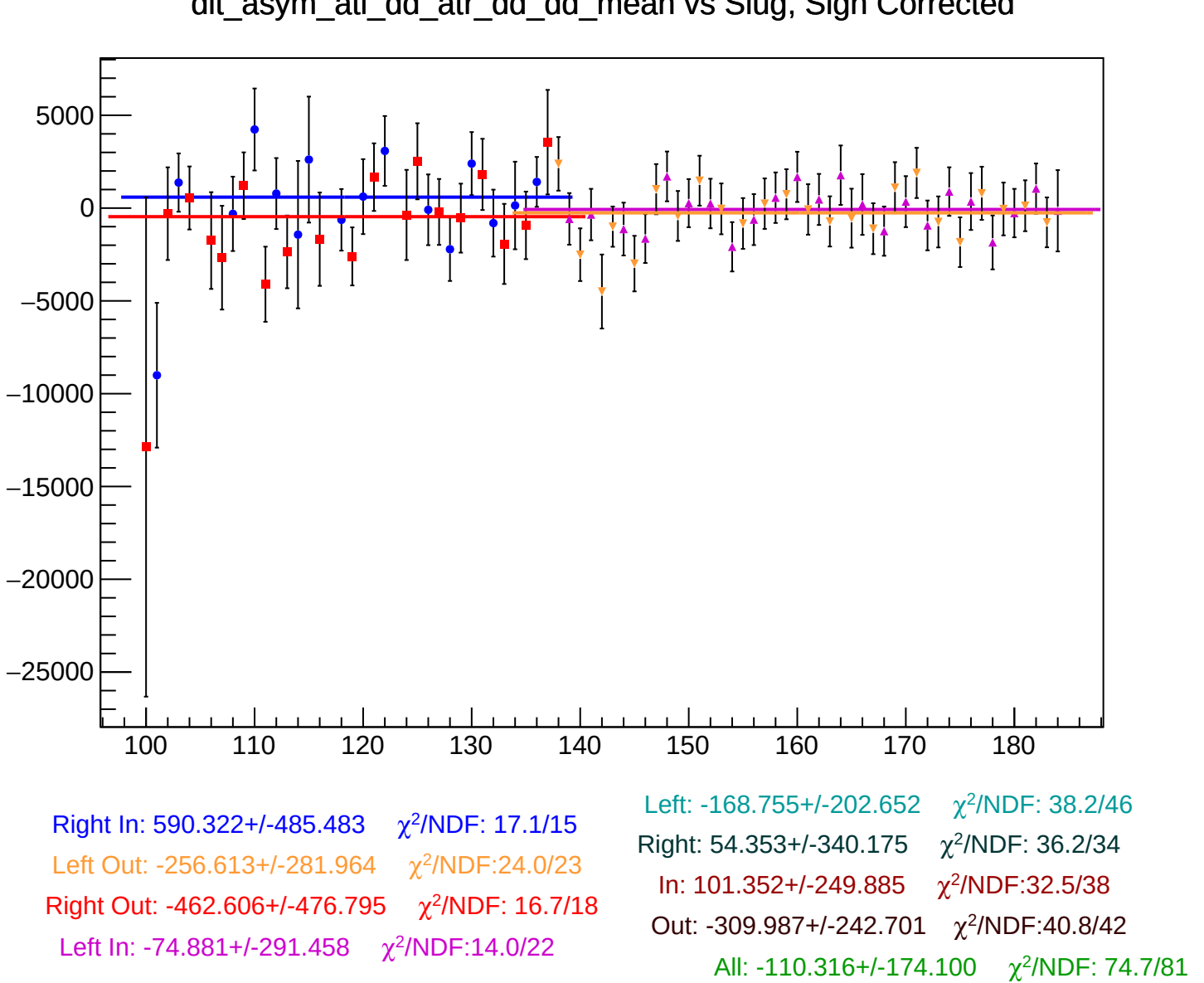
Left: 585.700+/-0.069 χ^2/NDF: 1730503.4/46

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

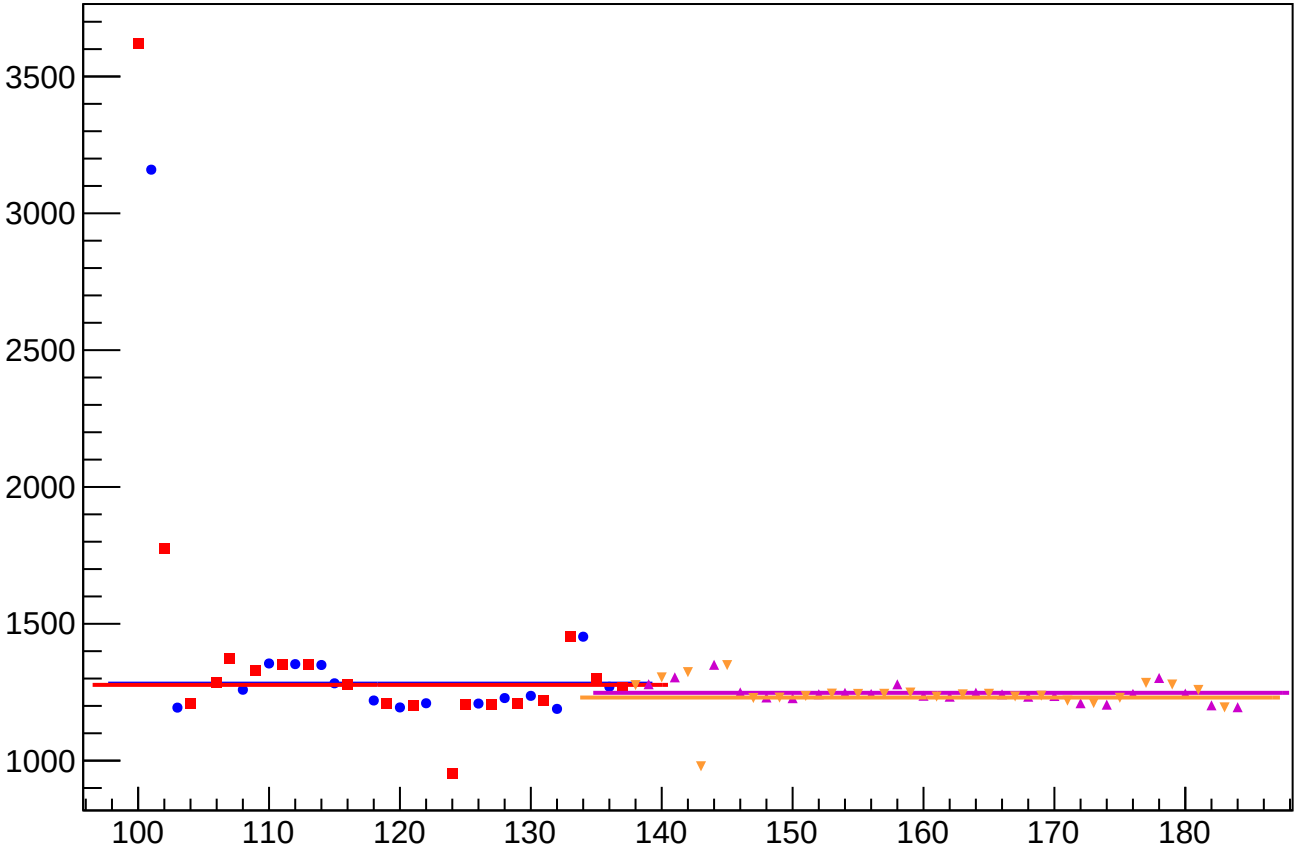
In: 628.980+/-0.092 χ^2/NDF:4505163.2/38

Out: 637.407+/-0.093 χ^2/NDF:5247329.7/42

All: 633.180+/-0.065 χ^2/NDF: 9756641.0/81


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: 590.322+/-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: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -168.755+/-202.652 χ²/NDF: 38.2/46
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 101.352+/-249.885 χ²/NDF:32.5/38
Out: -309.987+/-242.701 χ²/NDF:40.8/42
All: -110.316+/-174.100 χ²/NDF: 74.7/81

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



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: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.916+/-0.143 χ^2/NDF: 171845.4/46

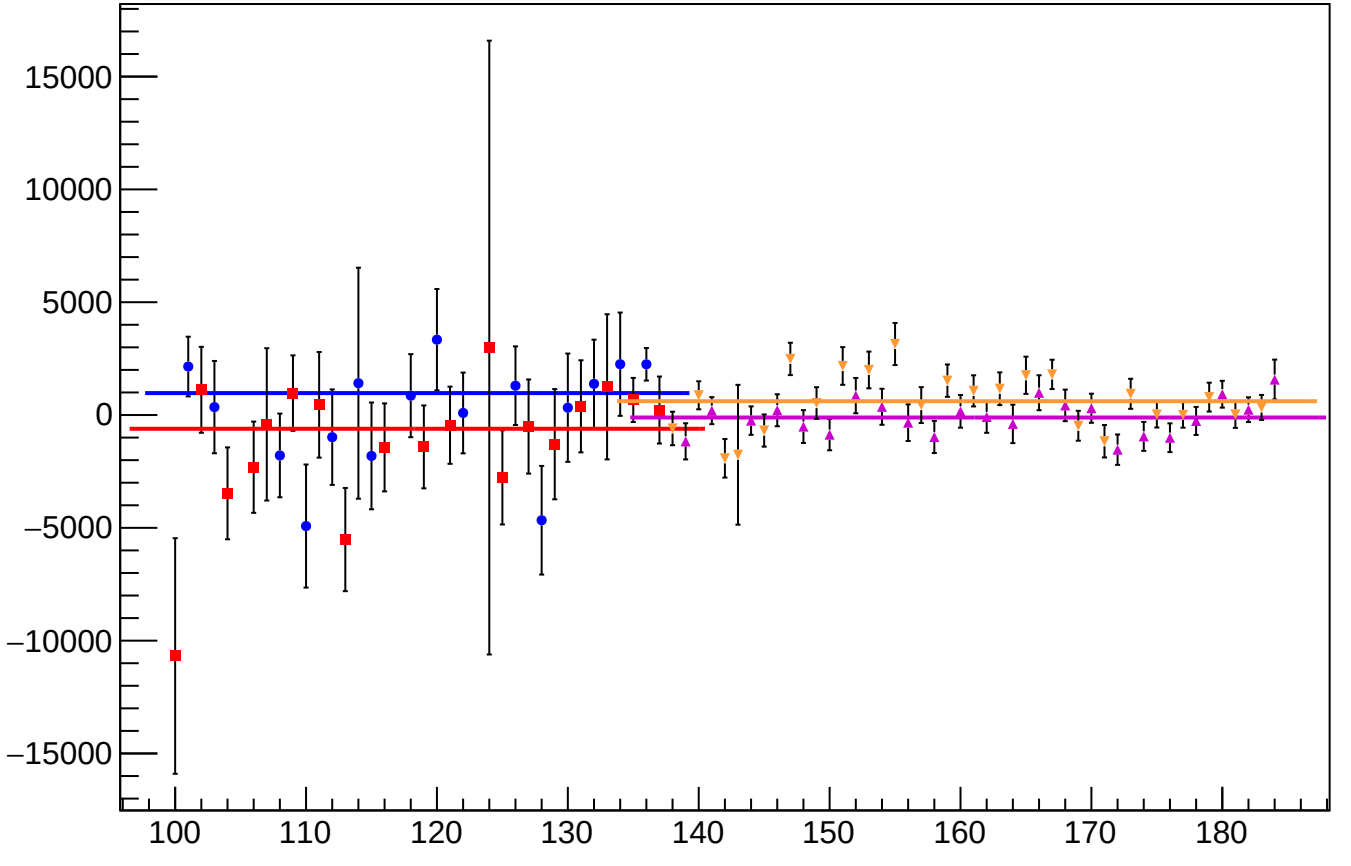
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1256.683+/-0.177 χ^2/NDF:541454.2/38

Out: 1242.597+/-0.172 χ^2/NDF:375372.8/42

All: 1249.434+/-0.123 χ^2/NDF: 920096.9/81

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 612.814+/-143.744 χ^2/NDF:56.6/23

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

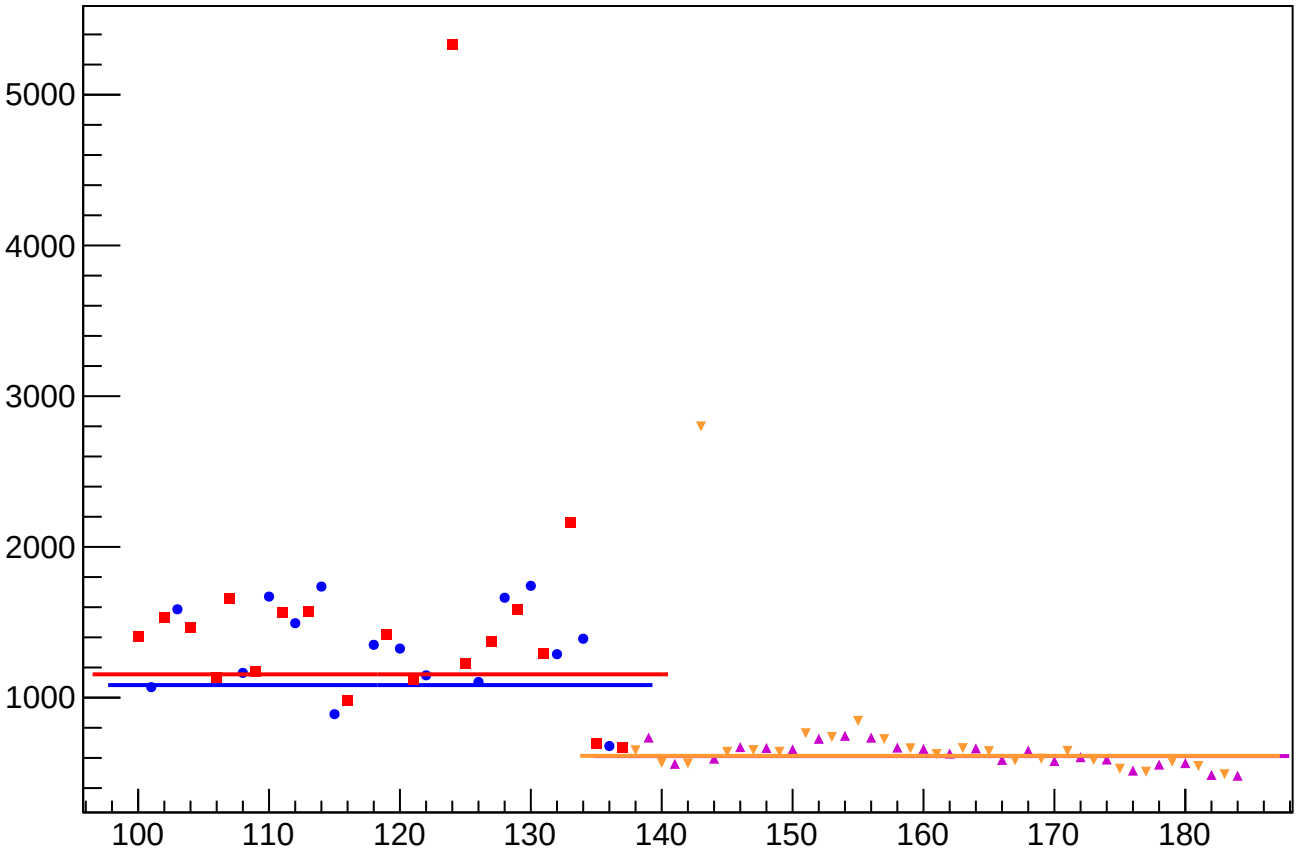
Left: 252.509+/-101.814 χ^2/NDF: 95.0/46

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 1.447+/-136.589 χ^2/NDF:52.0/38

Out: 498.701+/-136.863 χ^2/NDF:80.5/42

All: 249.575+/-96.680 χ^2/NDF: 139.1/81



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: 612.399+/-0.102 χ^2/NDF:508595.4/22

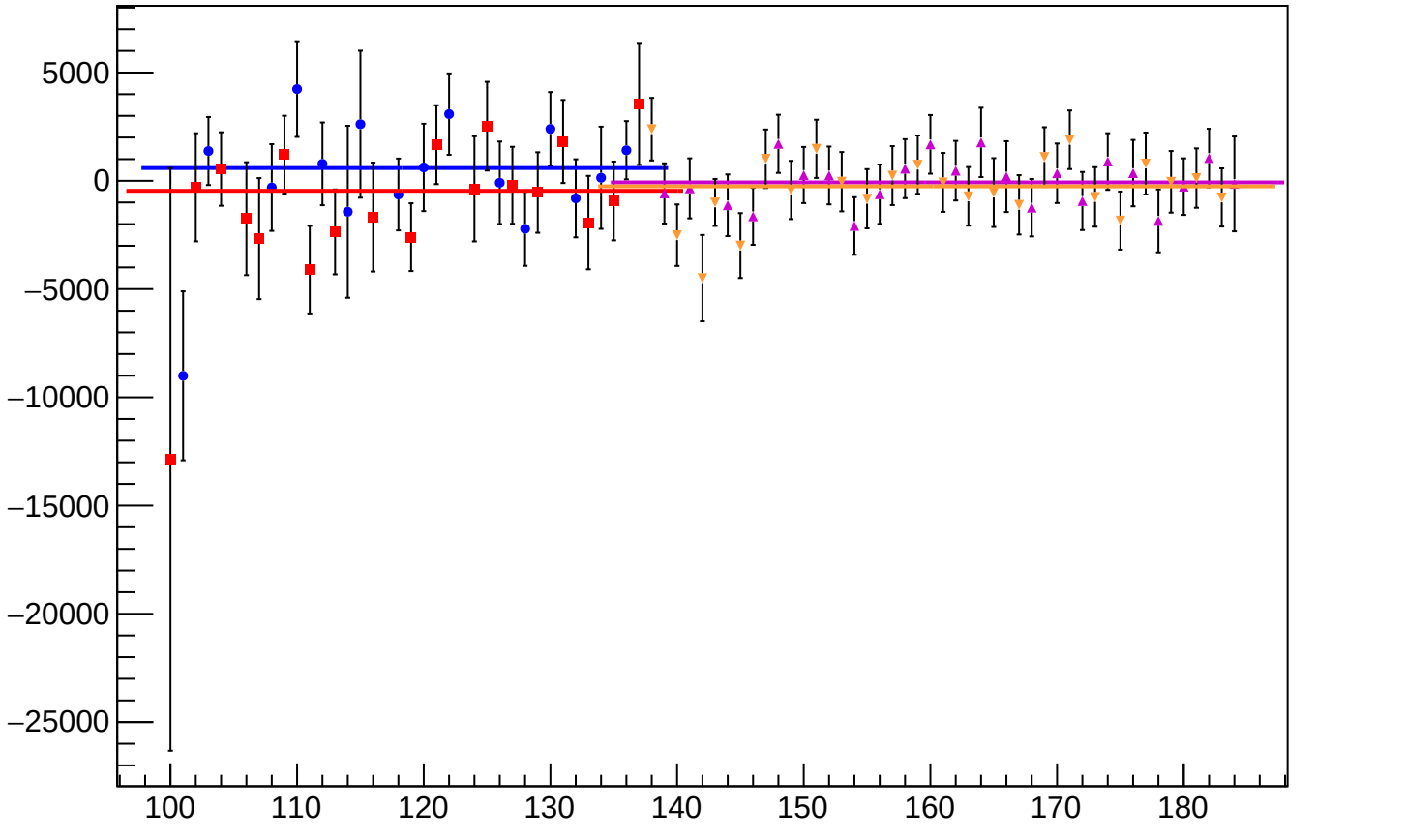
Left: 613.200+/-0.072 χ^2/NDF: 2091342.1/46

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 660.991+/-0.097 χ^2/NDF:4068799.9/38

Out: 664.521+/-0.097 χ^2/NDF:5715439.6/42

All: 662.753+/-0.068 χ^2/NDF: 9784906.1/81



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: -74.881+/-291.458 χ^2/NDF:14.0/22

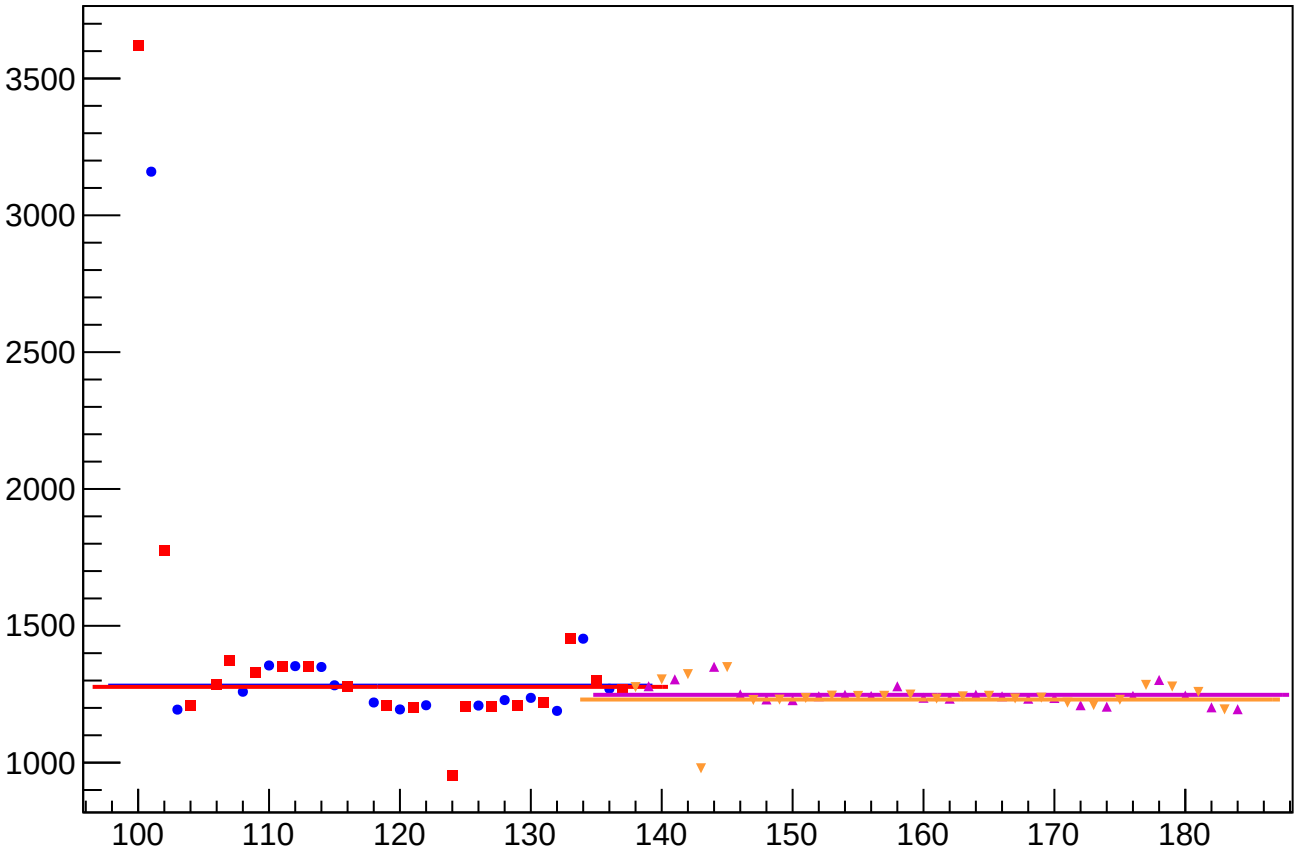
Left: -168.756+/-202.652 χ^2/NDF: 38.2/46

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 101.352+/-249.885 χ^2/NDF:32.5/38

Out: -309.988+/-242.701 χ^2/NDF:40.8/42

All: -110.316+/-174.100 χ^2/NDF: 74.7/81



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: 1247.785+/-0.206 χ^2/NDF:27340.7/22

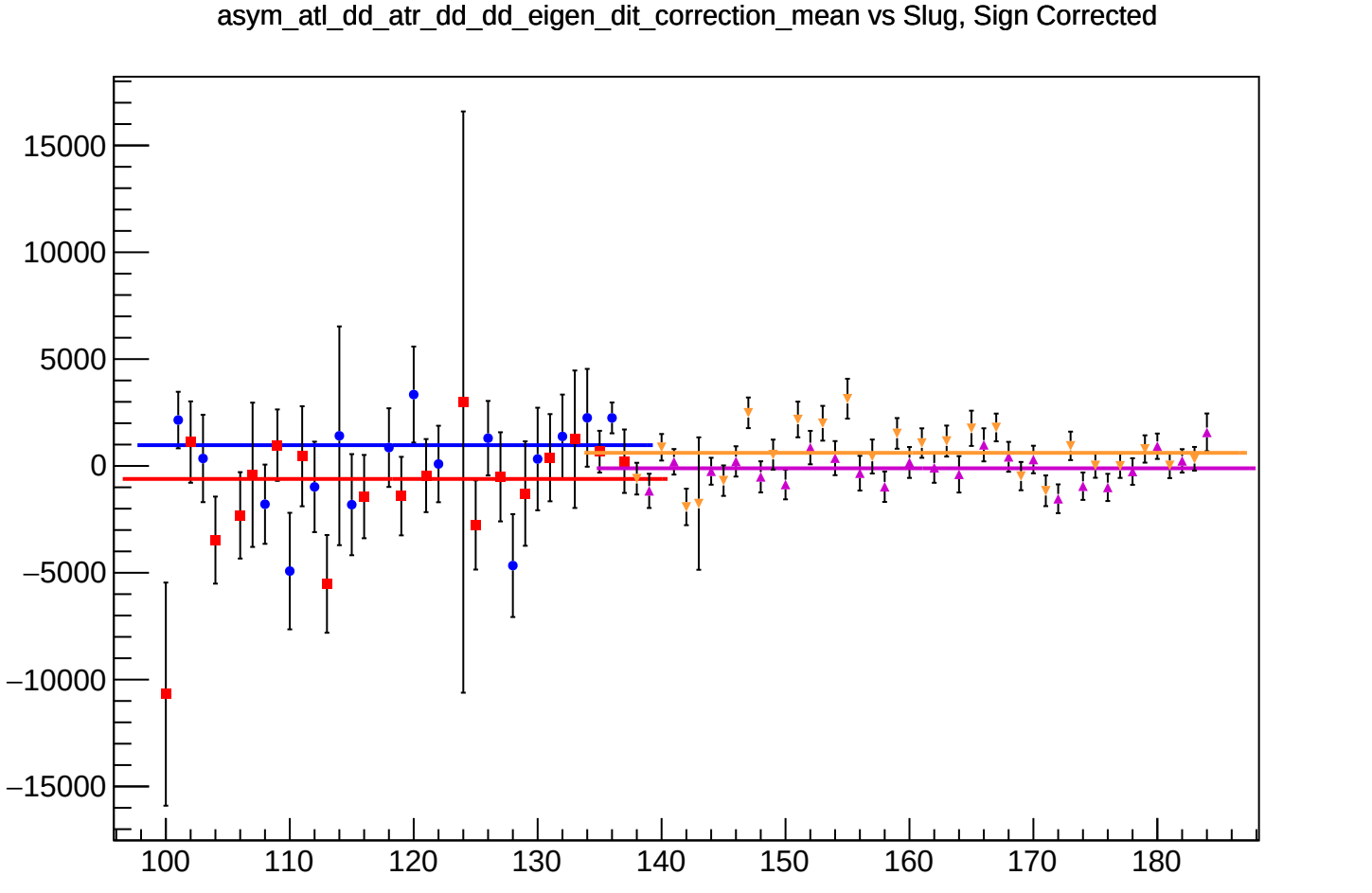
Left: 1238.916+/-0.143 χ^2/NDF: 171844.4/46

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1256.682+/-0.177 χ^2/NDF:541454.3/38

Out: 1242.597+/-0.172 χ^2/NDF:375371.7/42

All: 1249.434+/-0.123 χ^2/NDF: 920095.9/81



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: -110.251+/-144.232 χ^2/NDF:25.7/22

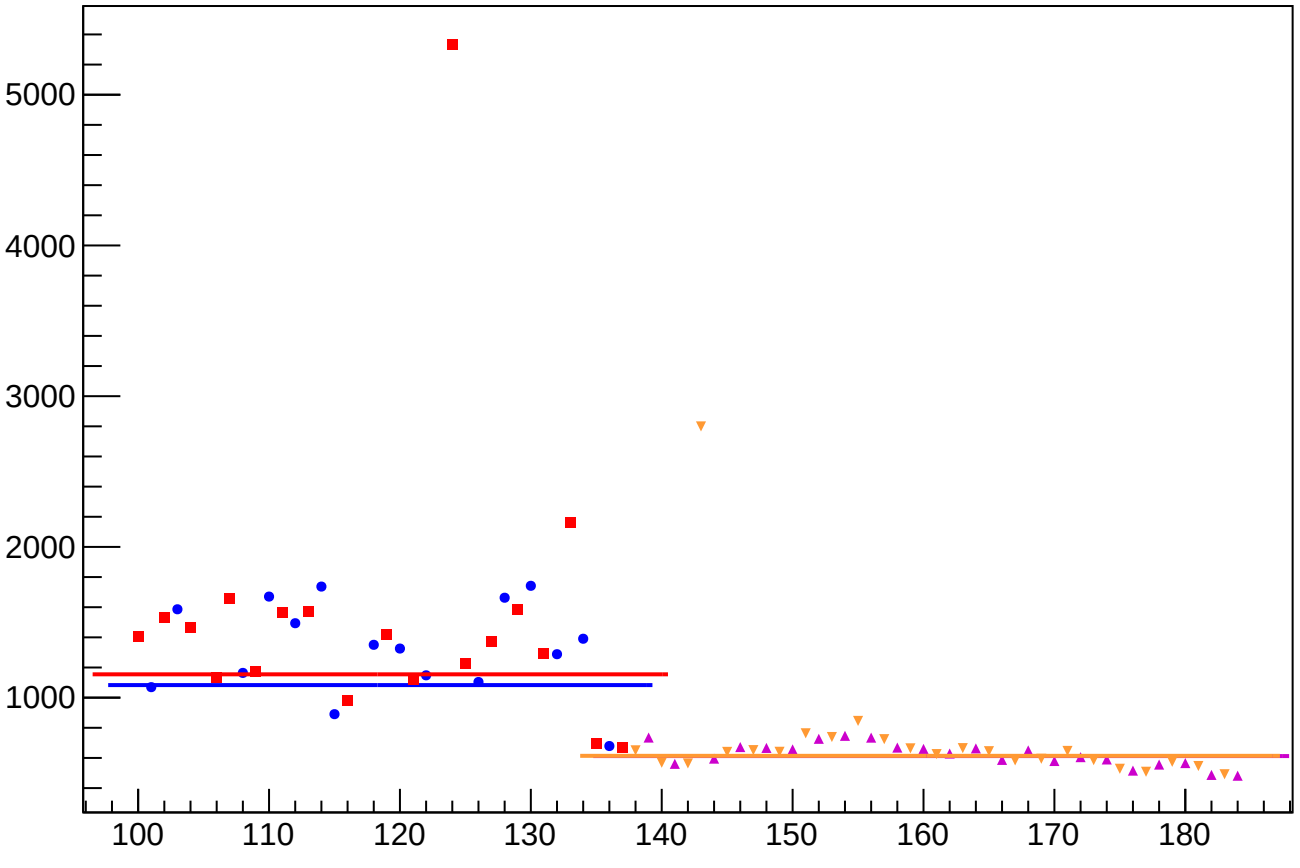
Left: 252.509+/-101.814 χ^2/NDF: 95.0/46

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 1.446+/-136.589 χ^2/NDF:52.0/38

Out: 498.701+/-136.863 χ^2/NDF:80.5/42

All: 249.574+/-96.680 χ^2/NDF: 139.1/81



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: 612.398+/-0.102 χ^2/NDF:508597.7/22

Left: 613.199+/-0.072 χ^2/NDF: 2091342.0/46

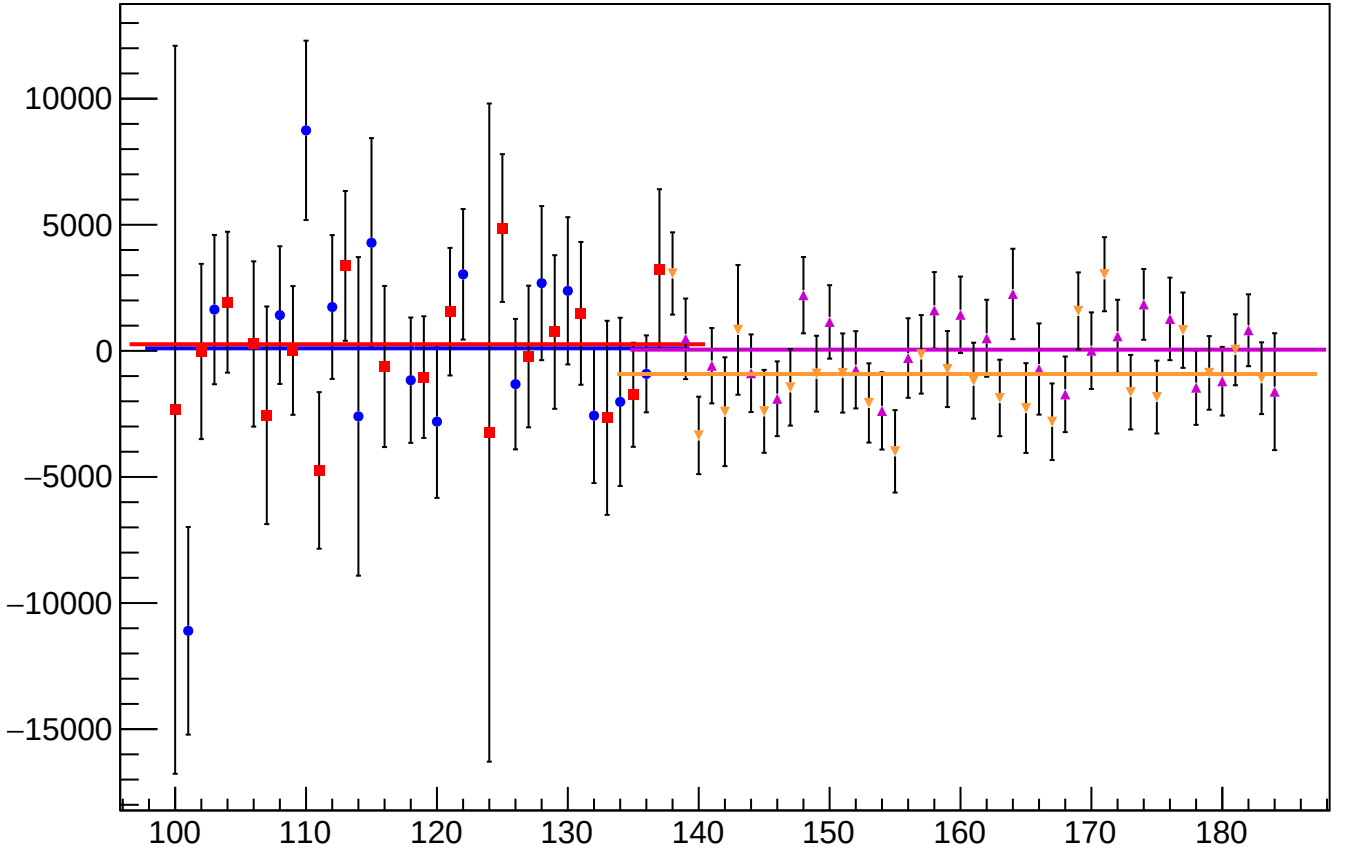
Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 660.991+/-0.097 χ^2/NDF:4068796.6/38

Out: 664.521+/-0.097 χ^2/NDF:5715437.6/42

All: 662.752+/-0.068 χ^2/NDF: 9784901.0/81

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: 48.178+/-320.929 χ^2/NDF:17.9/22

Left: -436.856+/-226.273 χ^2/NDF: 52.1/46

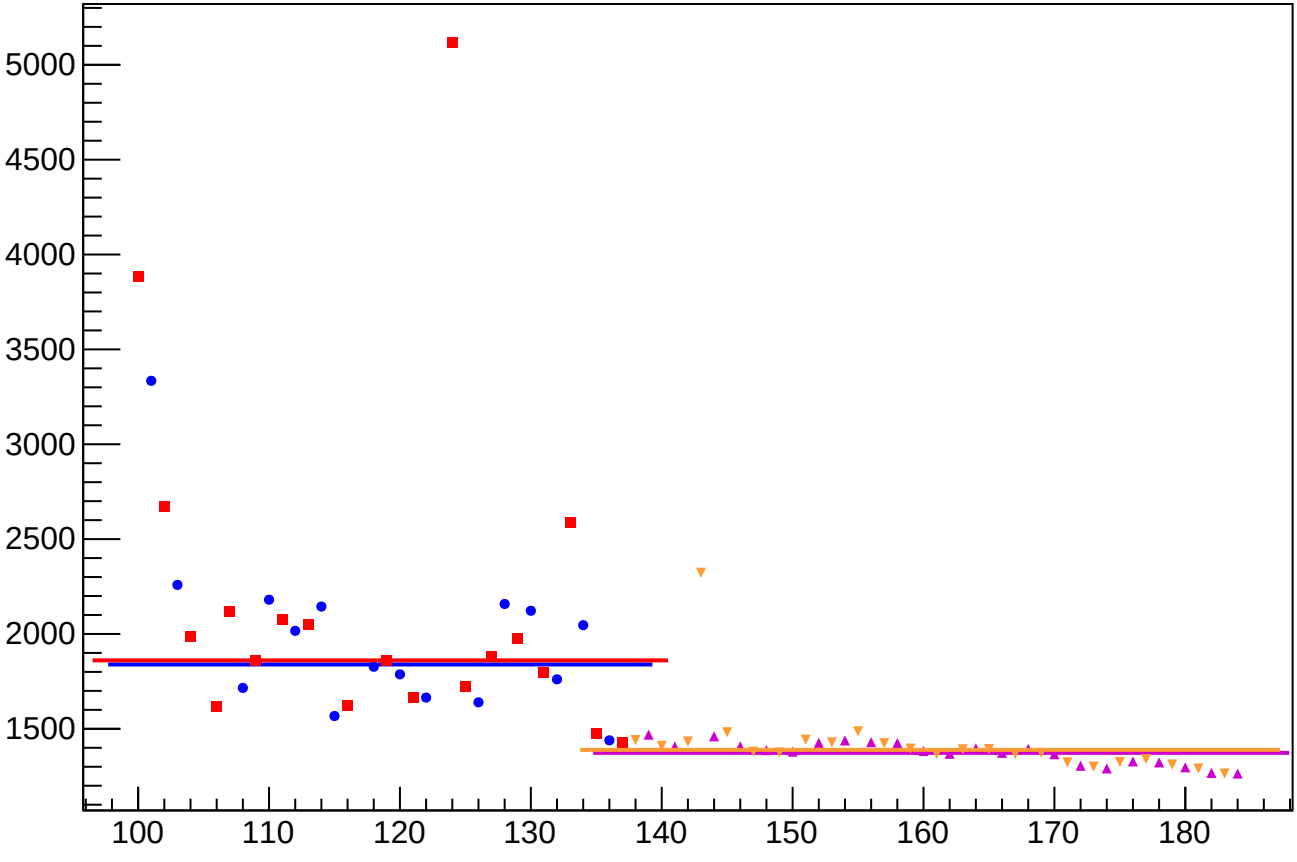
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 57.279+/-291.656 χ^2/NDF:39.2/38

Out: -713.343+/-290.317 χ^2/NDF:42.3/42

All: -329.806+/-205.757 χ^2/NDF: 85.0/81

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: 1373.217+/-0.227 χ^2/NDF:64467.6/22

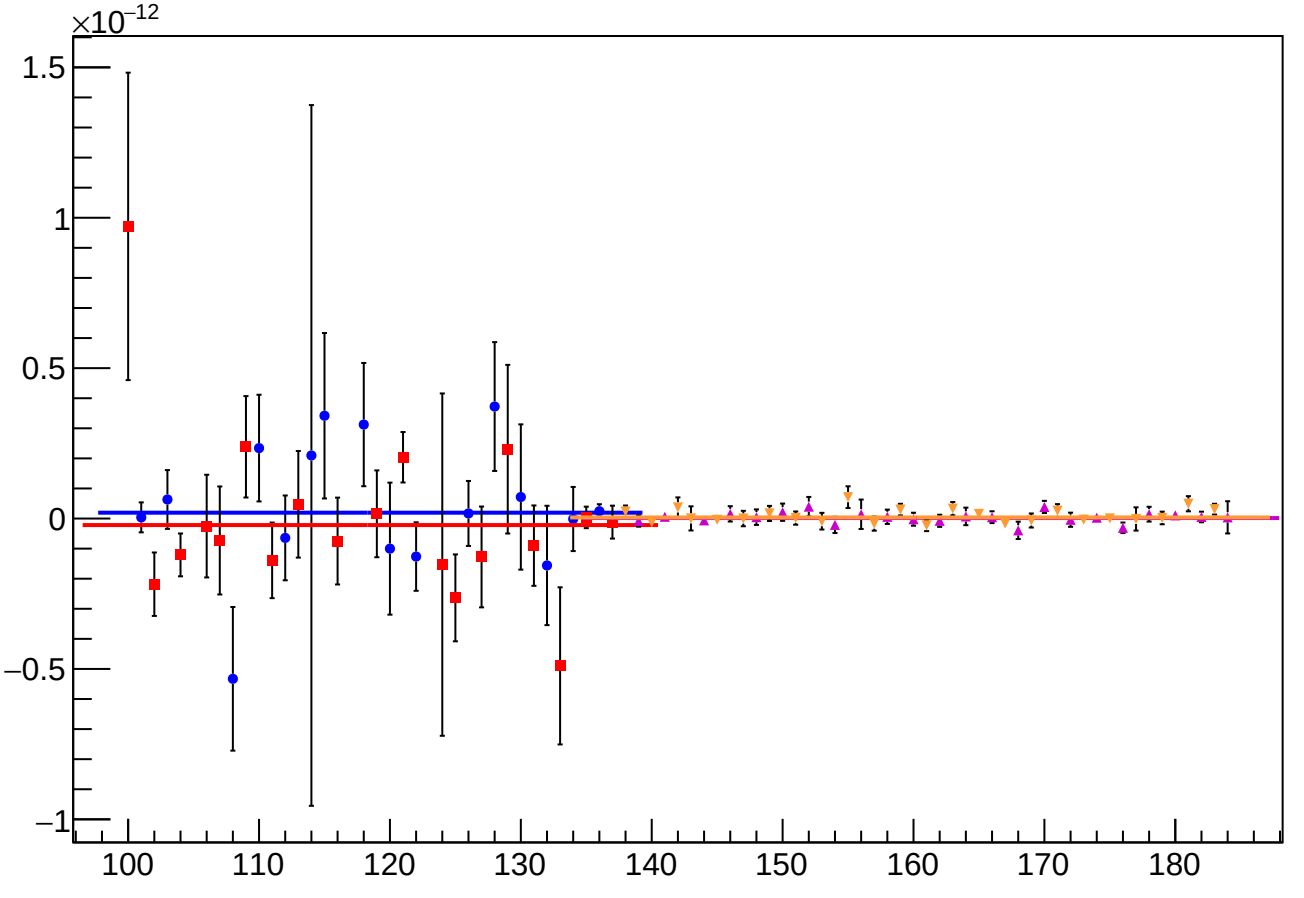
Left: 1381.145+/-0.160 χ^2/NDF: 401215.0/46

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1454.331+/-0.206 χ^2/NDF:1355034.6/38

Out: 1470.196+/-0.205 χ^2/NDF:1609100.9/42

All: 1462.300+/-0.145 χ^2/NDF: 2967108.0/81



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:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.3/46

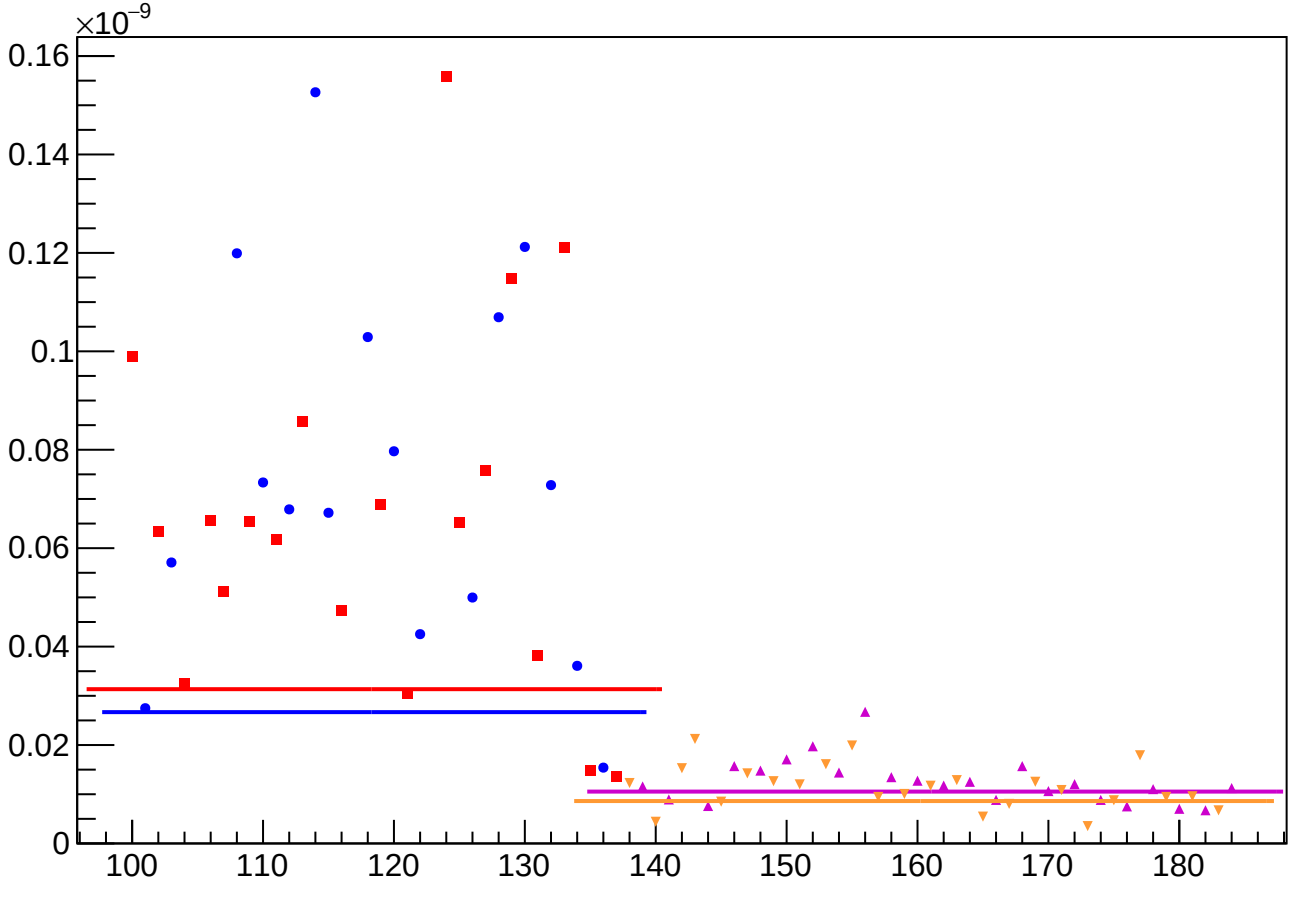
Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.8/38

Out: 0.000+/-0.000 χ^2/NDF:54.2/42

All: 0.000+/-0.000 χ^2/NDF: 85.0/81

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:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3593843.2/46

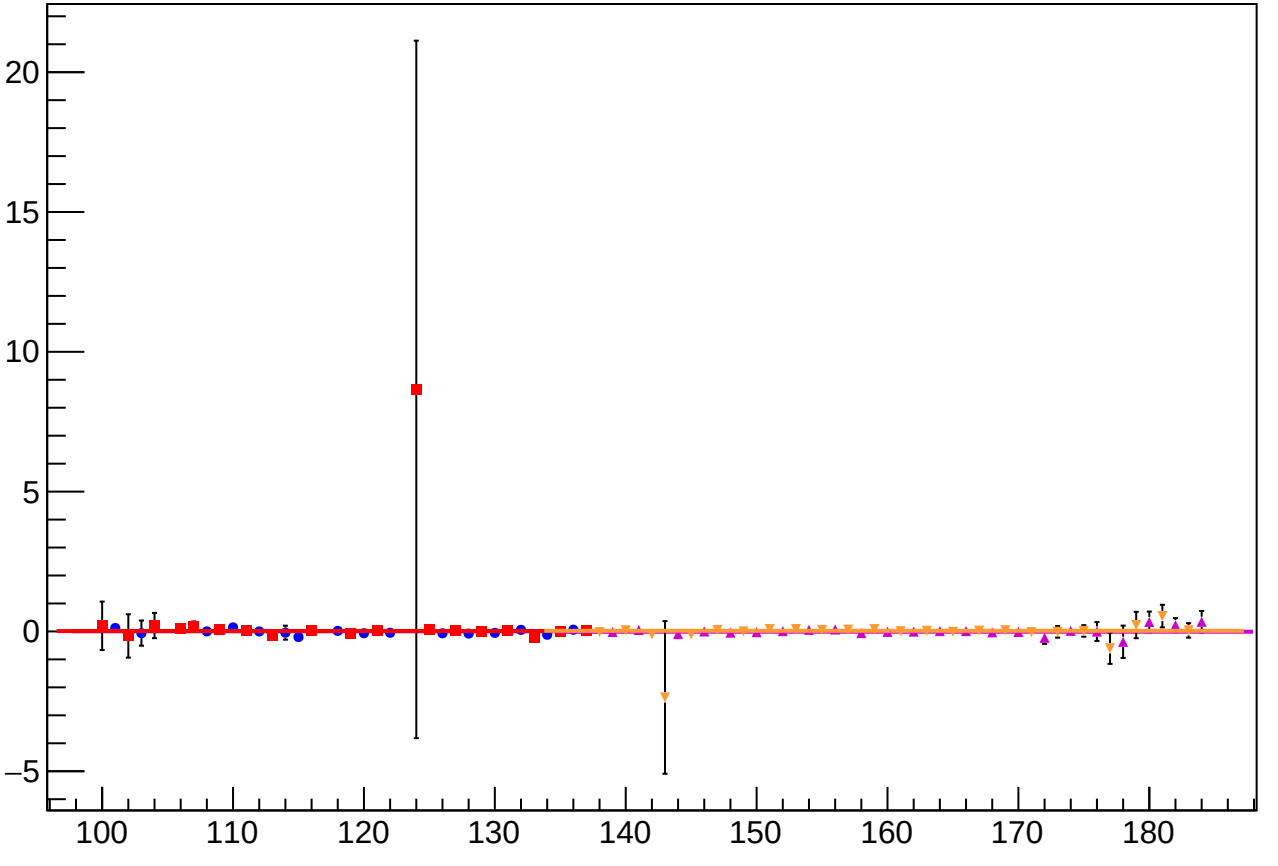
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:5211271.2/38

Out: 0.000+/-0.000 χ^2/NDF:6437879.8/42

All: 0.000+/-0.000 χ^2/NDF: 11924030.5/81

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:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 41.4/46

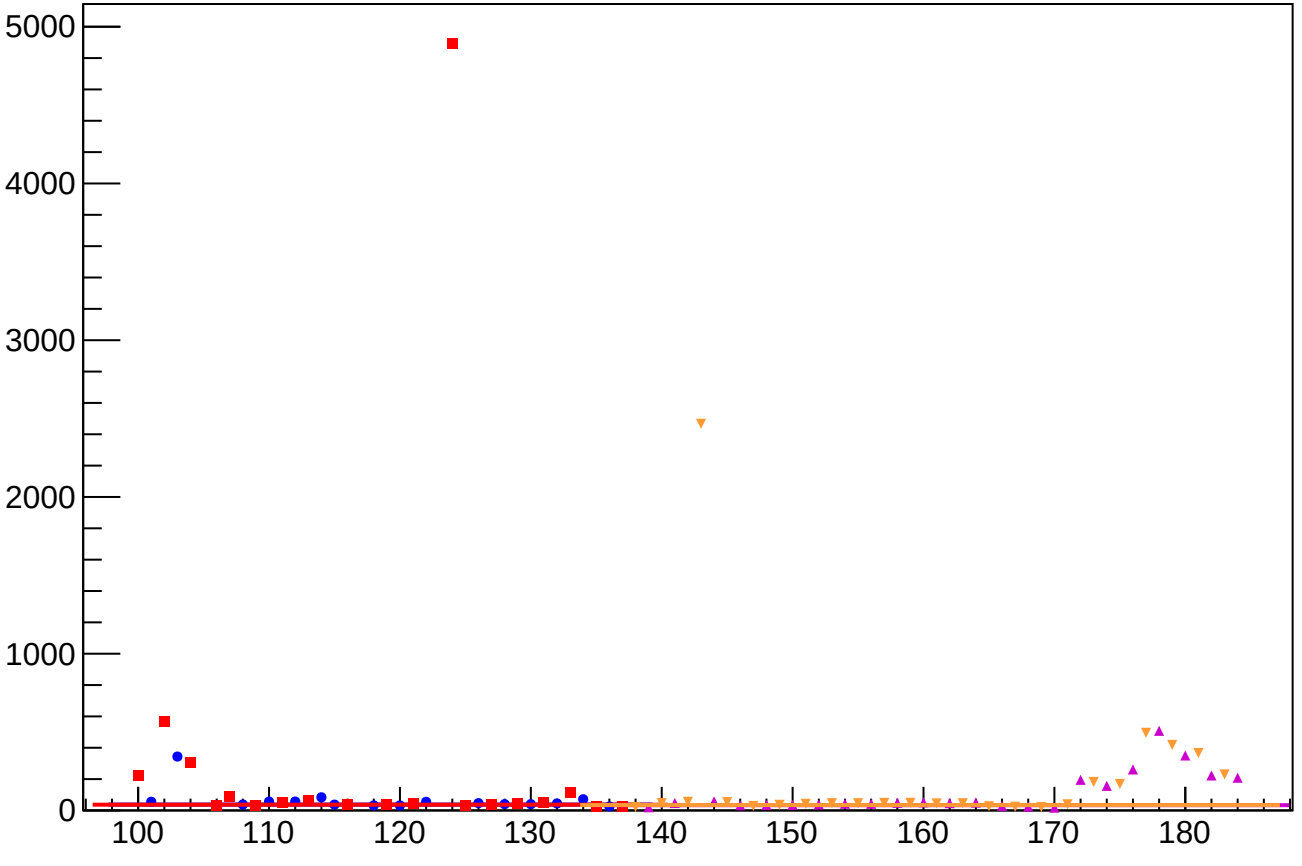
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.020+/-0.009 χ^2/NDF:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 73.3/81

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: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.043+/-0.005 χ^2/NDF: 21115887.1/46

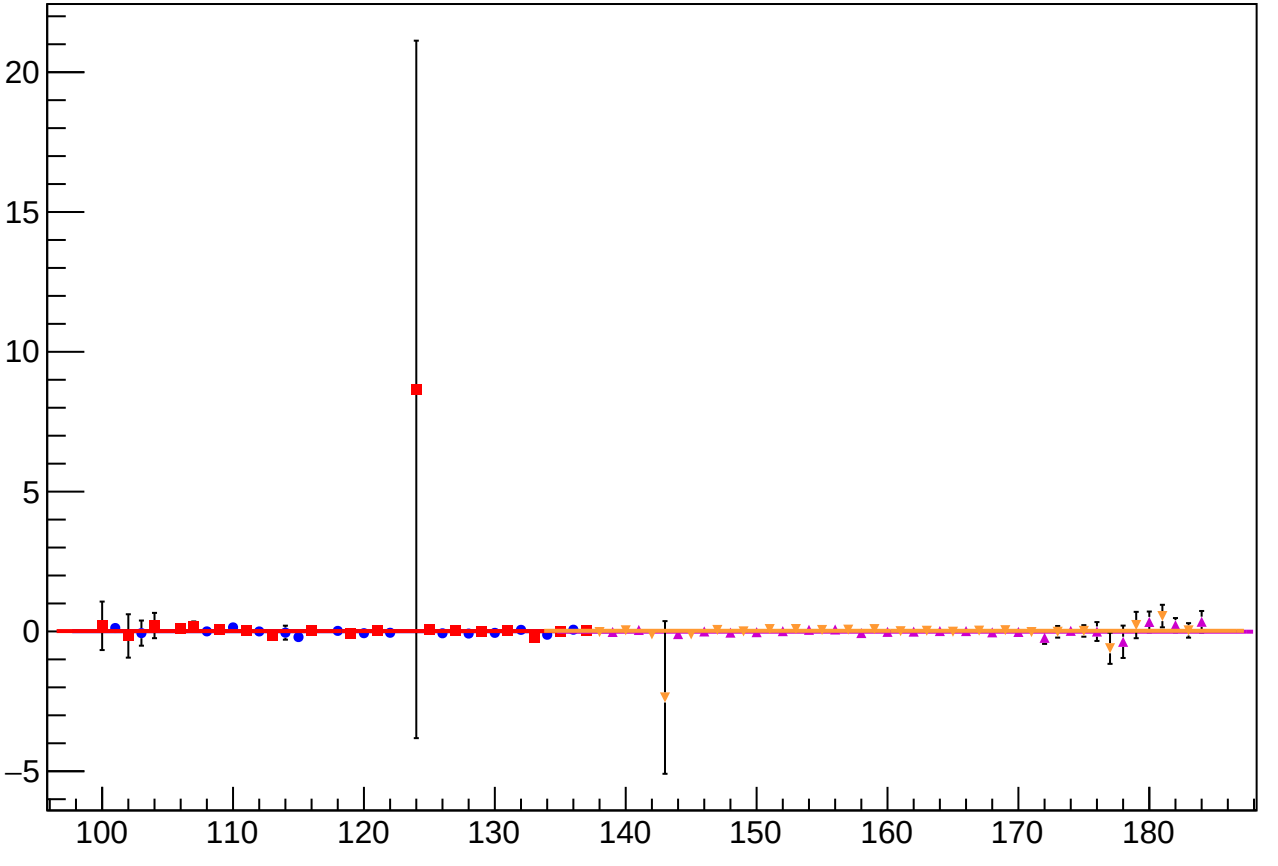
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.671+/-0.006 χ^2/NDF:12135959.3/38

Out: 35.134+/-0.006 χ^2/NDF:14257280.0/42

All: 34.896+/-0.004 χ^2/NDF: 26396151.3/81

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:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 41.4/46

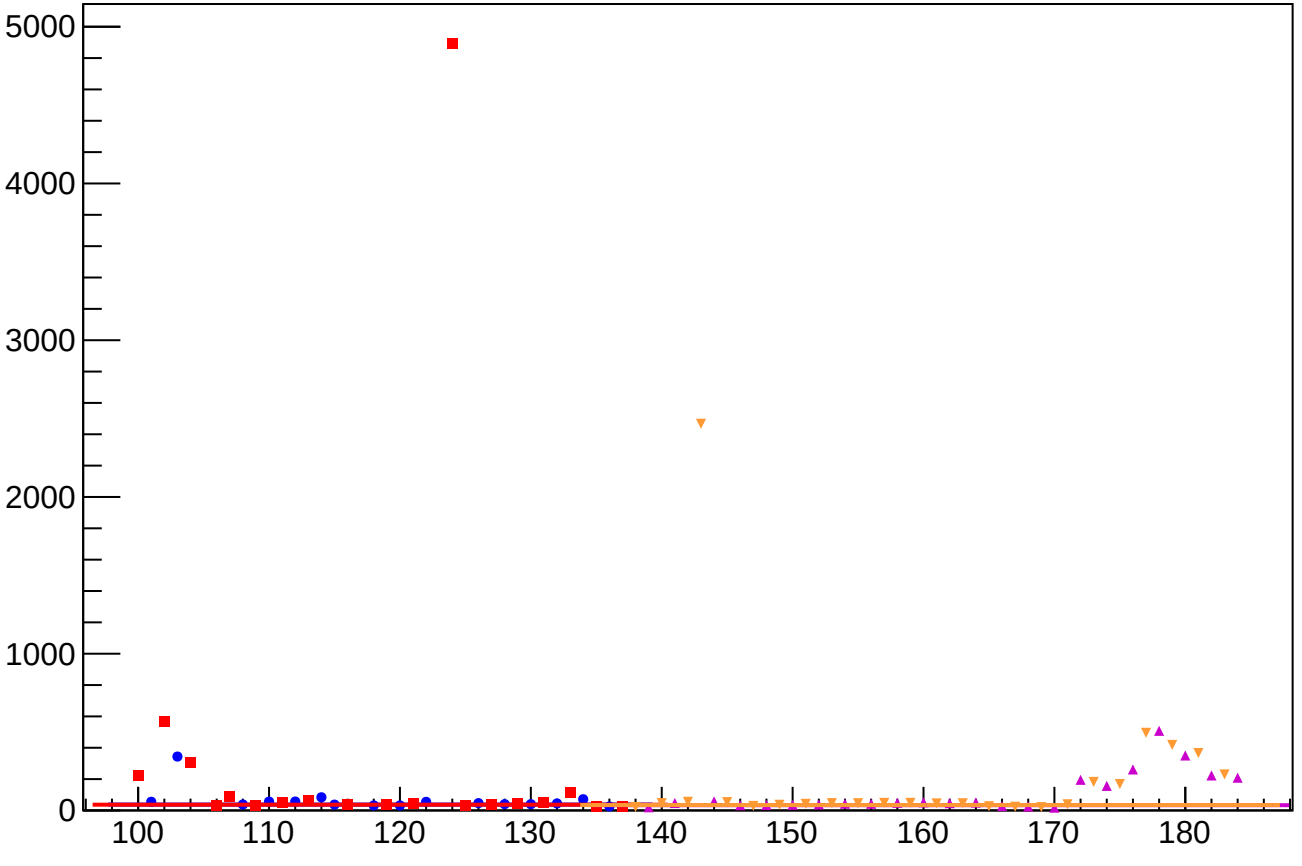
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.020+/-0.009 χ^2/NDF:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 73.3/81

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.518+/-0.007 χ^2/NDF:11039981.4/23

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

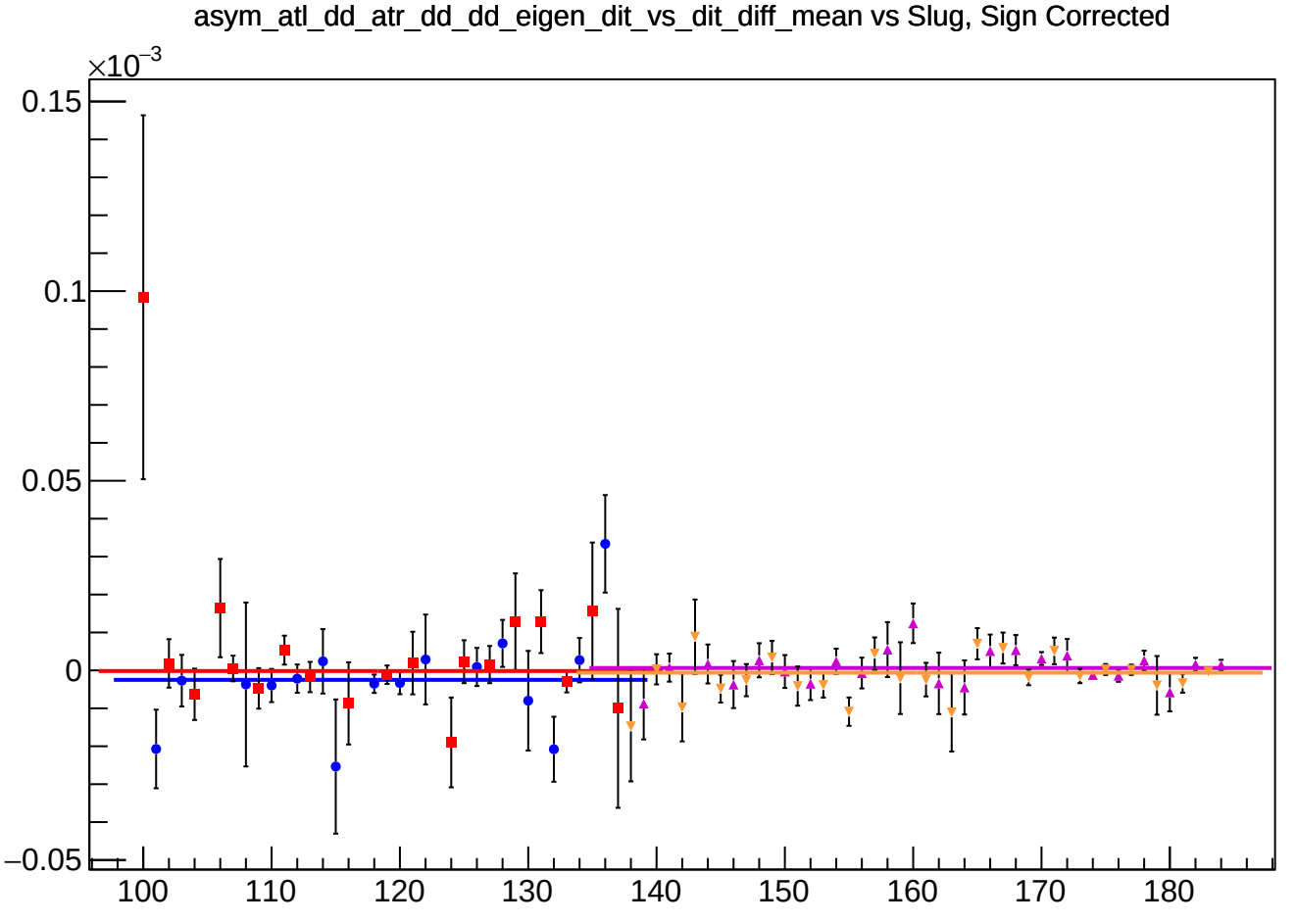
Left: 34.043+/-0.005 χ^2/NDF: 21115887.1/46

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.671+/-0.006 χ^2/NDF:12135959.3/38

Out: 35.134+/-0.006 χ^2/NDF:14257280.0/42

All: 34.896+/-0.004 χ^2/NDF: 26396151.3/81



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:21.9/22

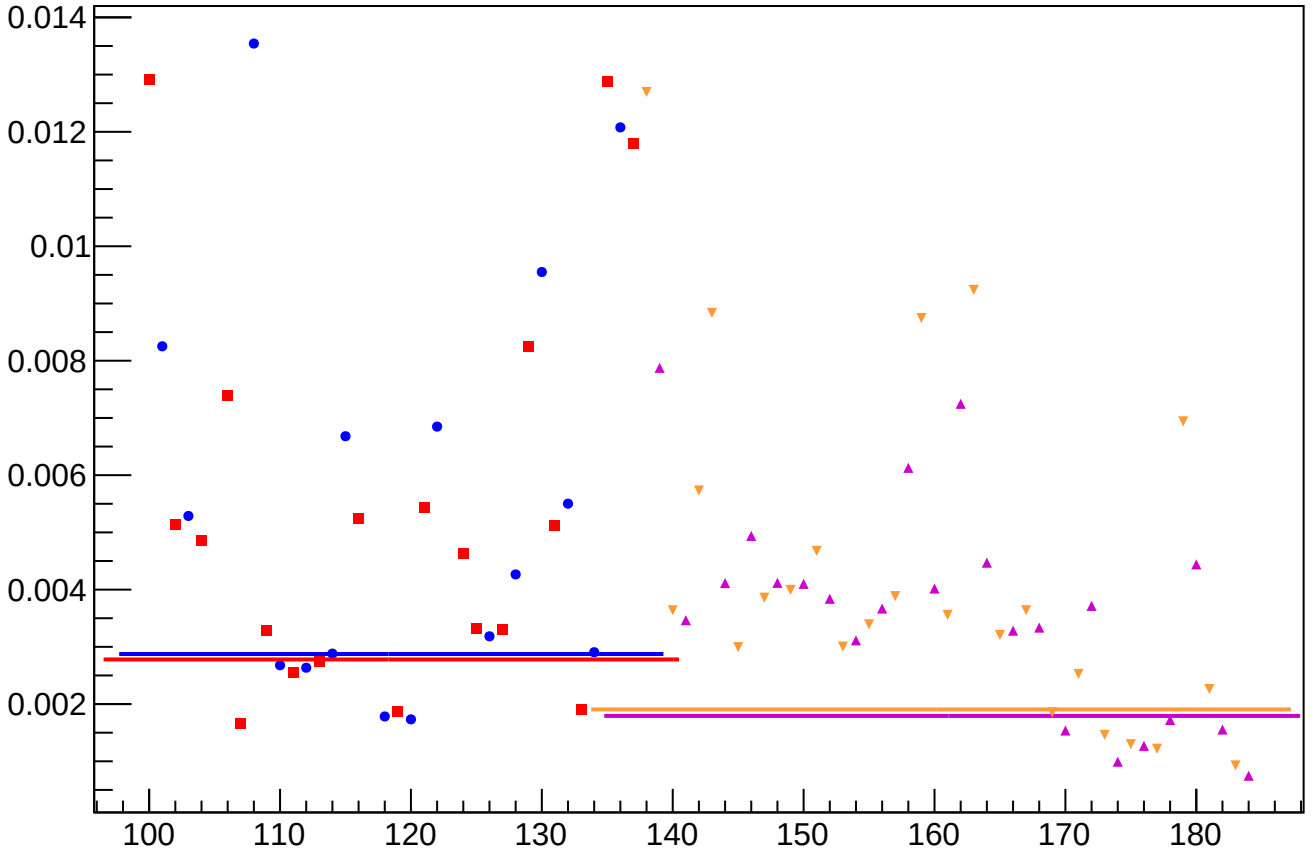
Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: 0.000+/-0.000 χ^2/NDF:48.7/38

Out: -0.000+/-0.000 χ^2/NDF:47.4/42

All: -0.000+/-0.000 χ^2/NDF: 97.0/81



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:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 22658679.4/46

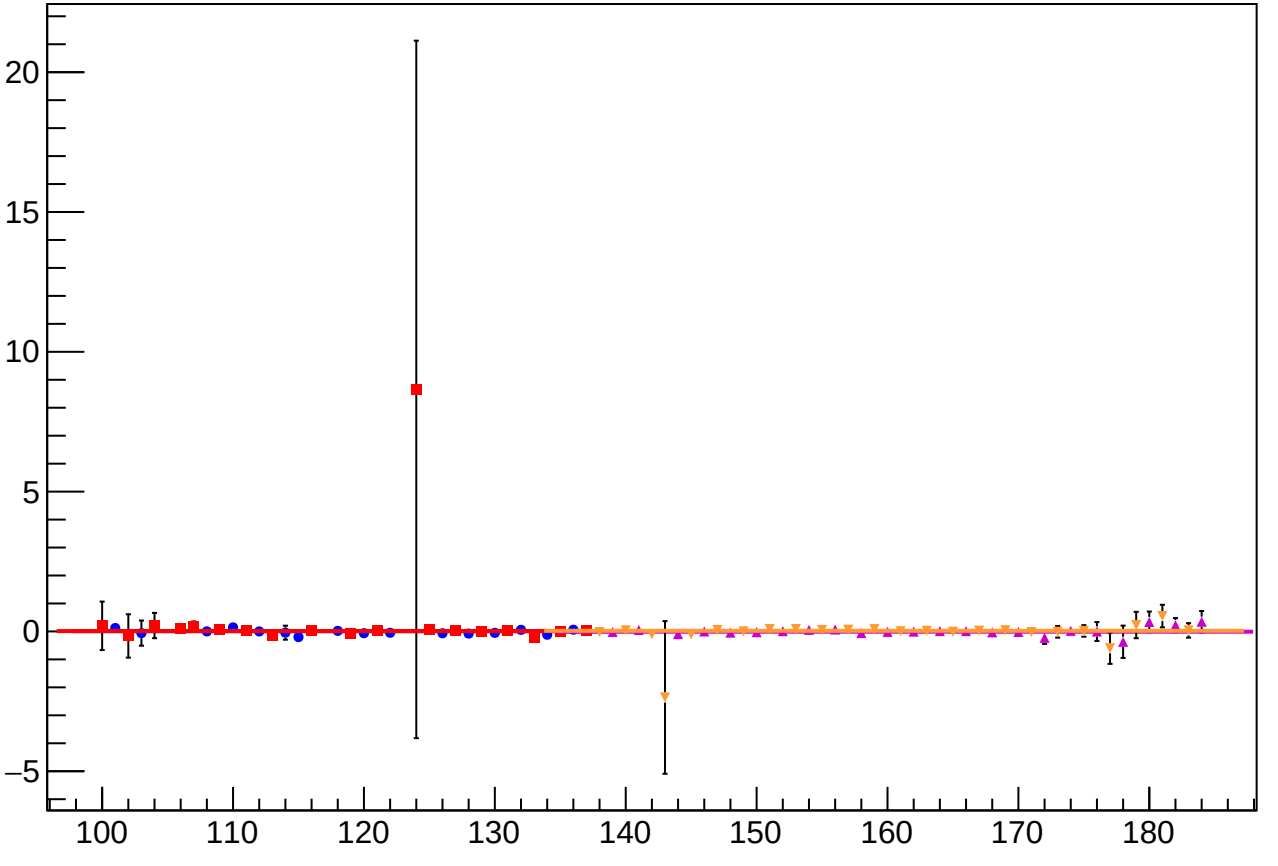
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:16088318.2/38

Out: 0.002+/-0.000 χ^2/NDF:16070241.2/42

All: 0.002+/-0.000 χ^2/NDF: 32205381.7/81

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:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 41.4/46

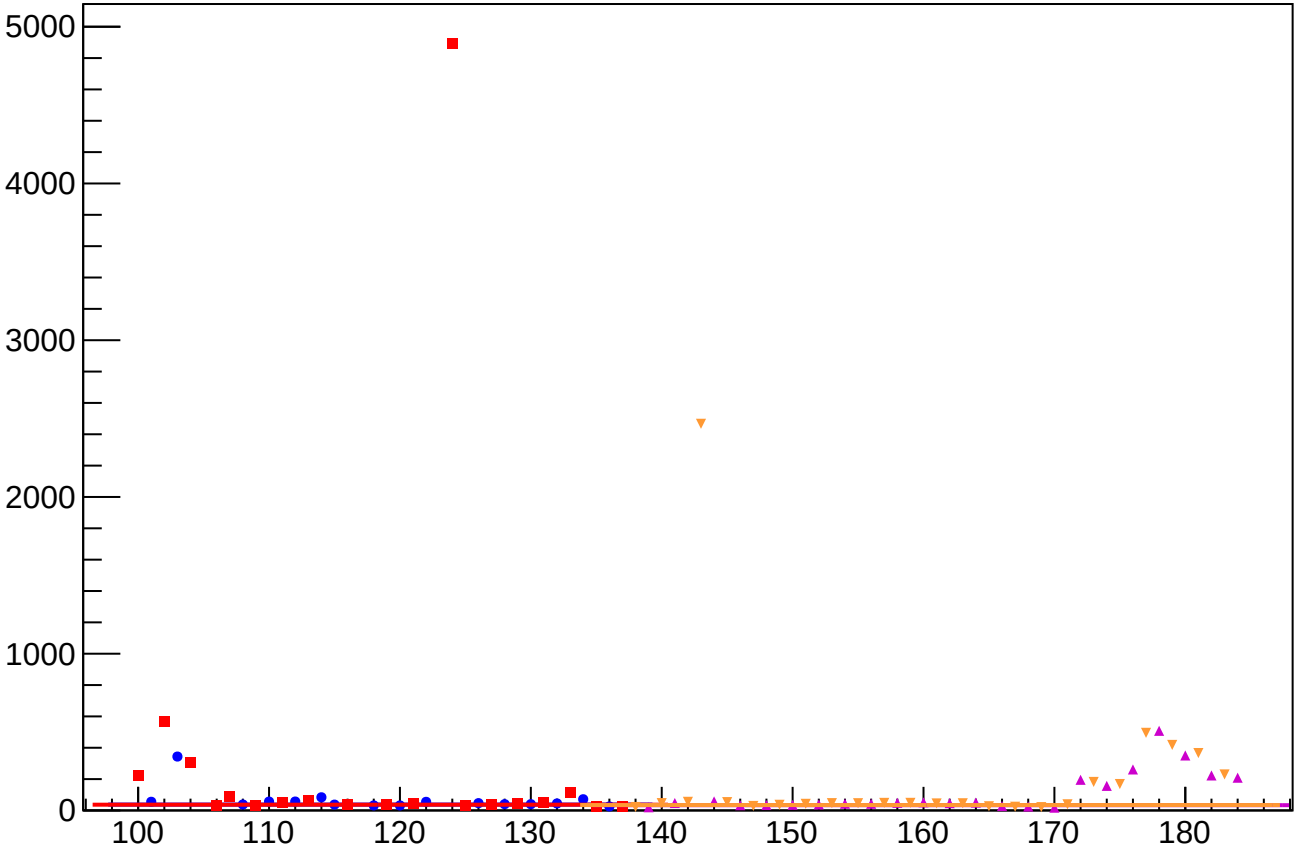
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.020+/-0.009 χ^2/NDF:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 73.3/81

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: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.044+/-0.005 χ^2/NDF: 21114668.6/46

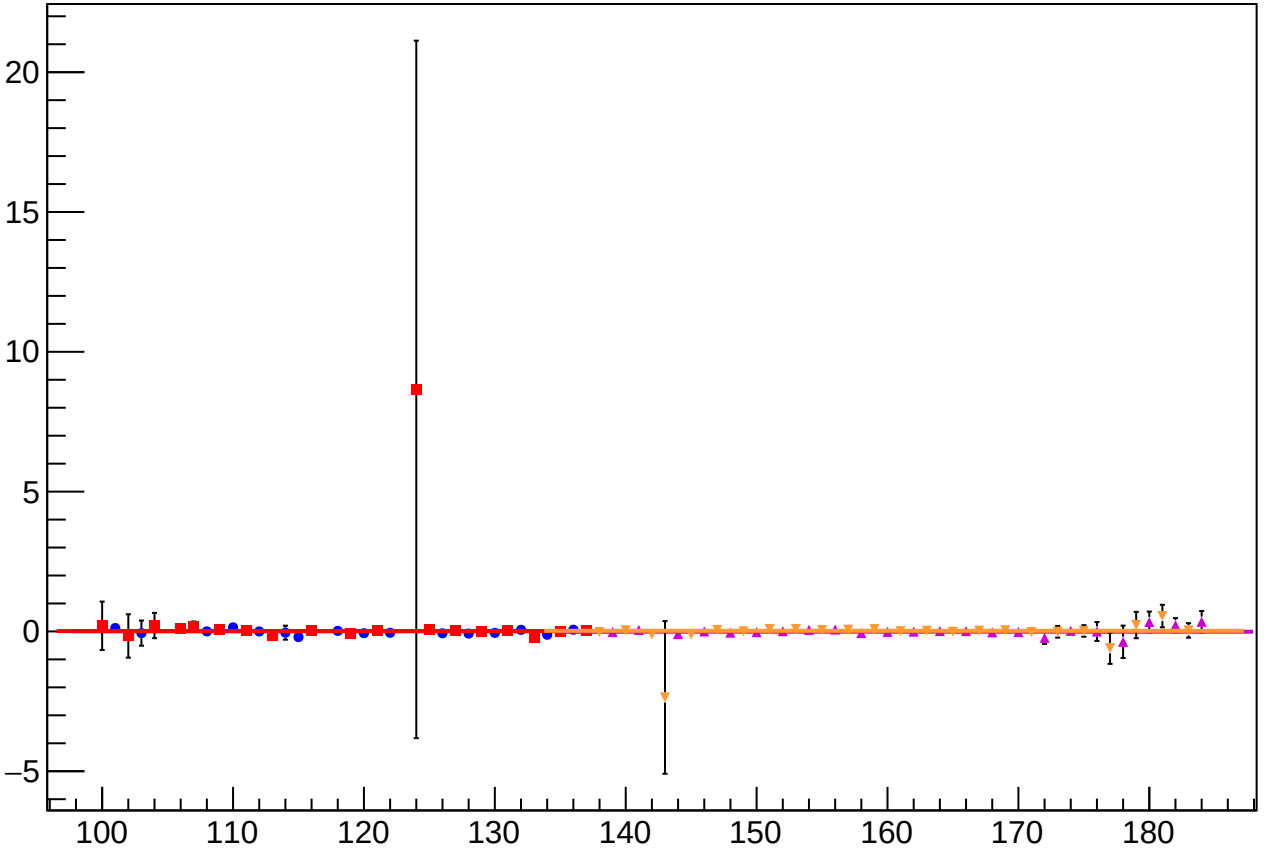
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.673+/-0.006 χ^2/NDF:12134541.5/38

Out: 35.134+/-0.006 χ^2/NDF:14257153.1/42

All: 34.897+/-0.004 χ^2/NDF: 26394580.0/81

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:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 41.4/46

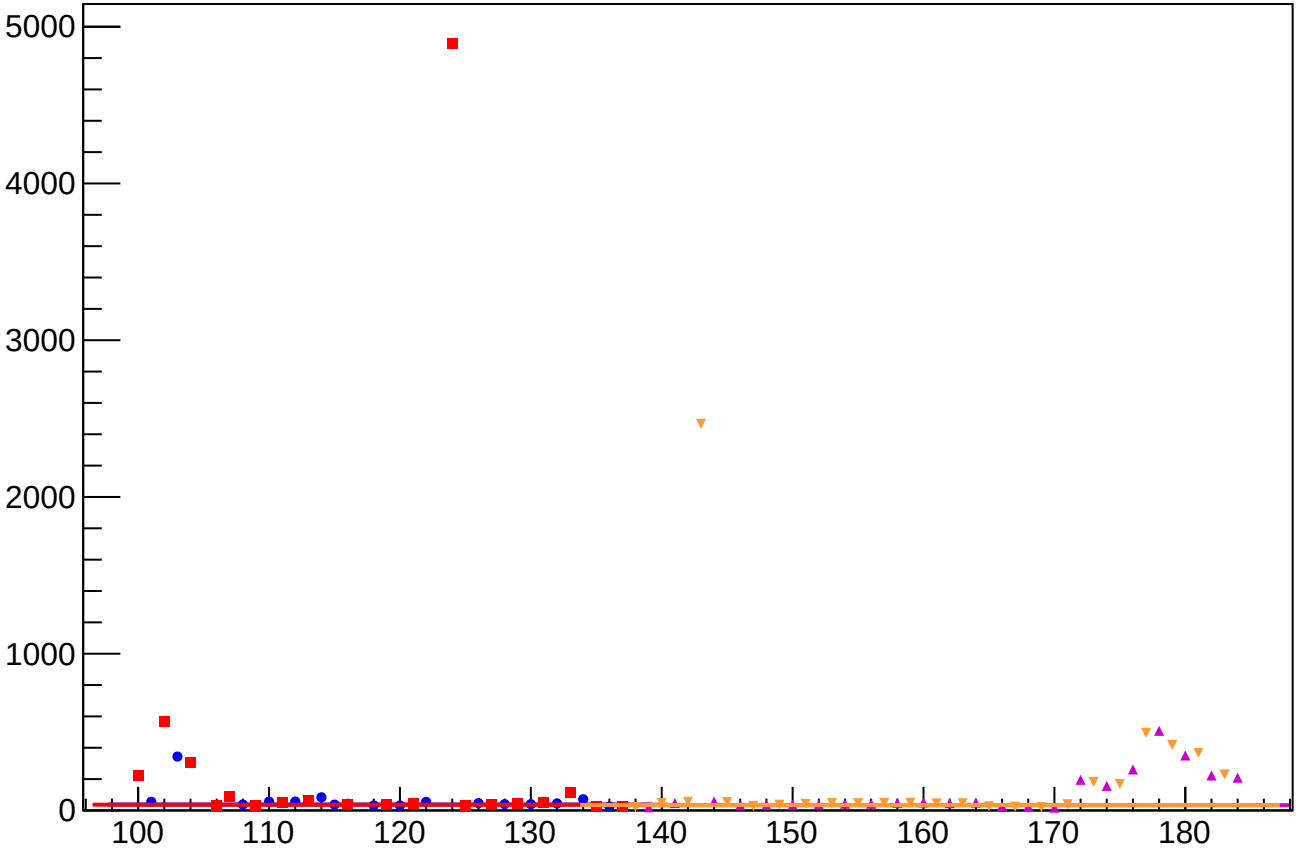
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.020+/-0.009 χ^2/NDF:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 73.3/81

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: 33.595+/-0.007 χ^2/NDF:10066196.6/22

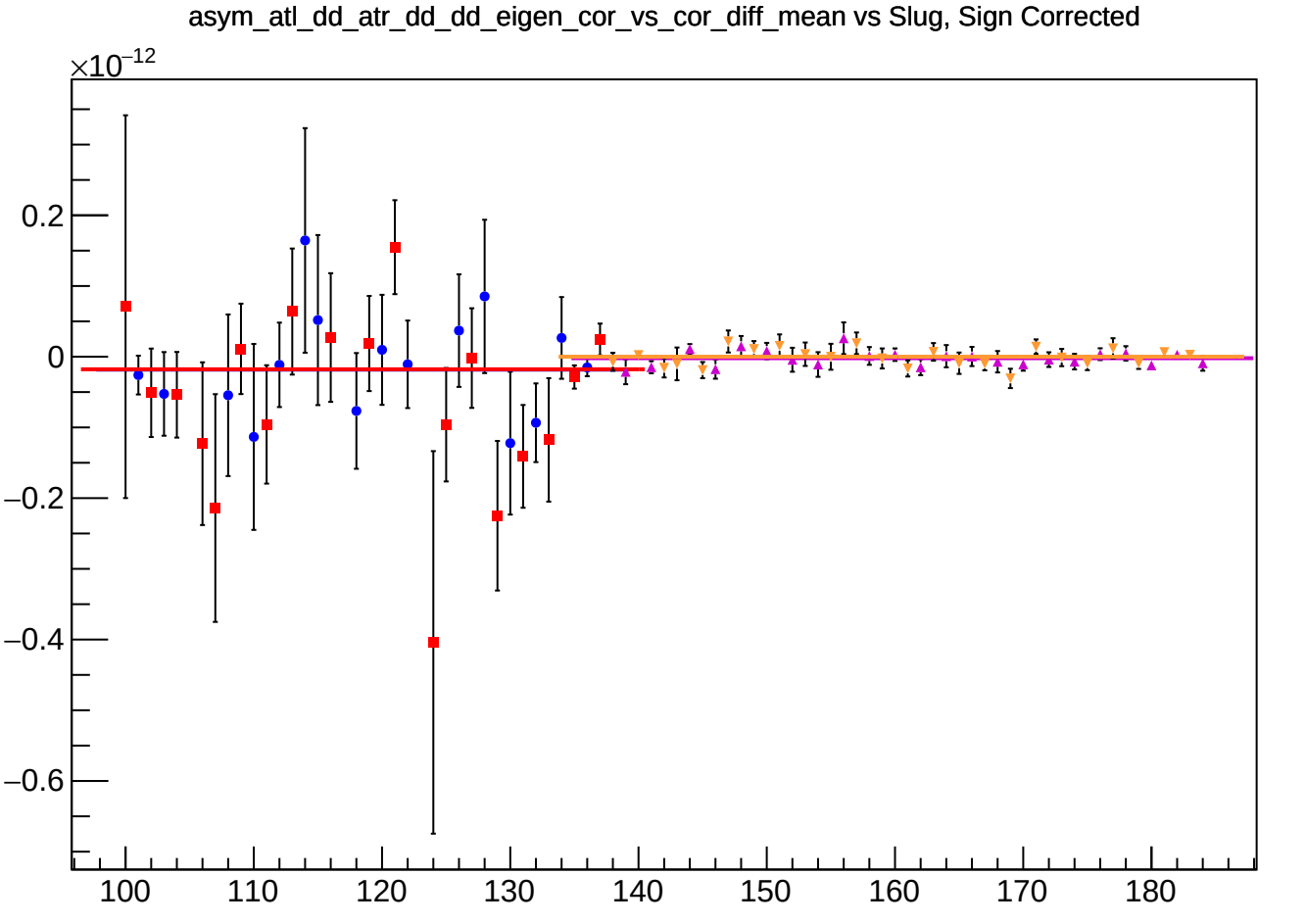
Left: 34.044+/-0.005 χ^2/NDF: 21114668.6/46

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

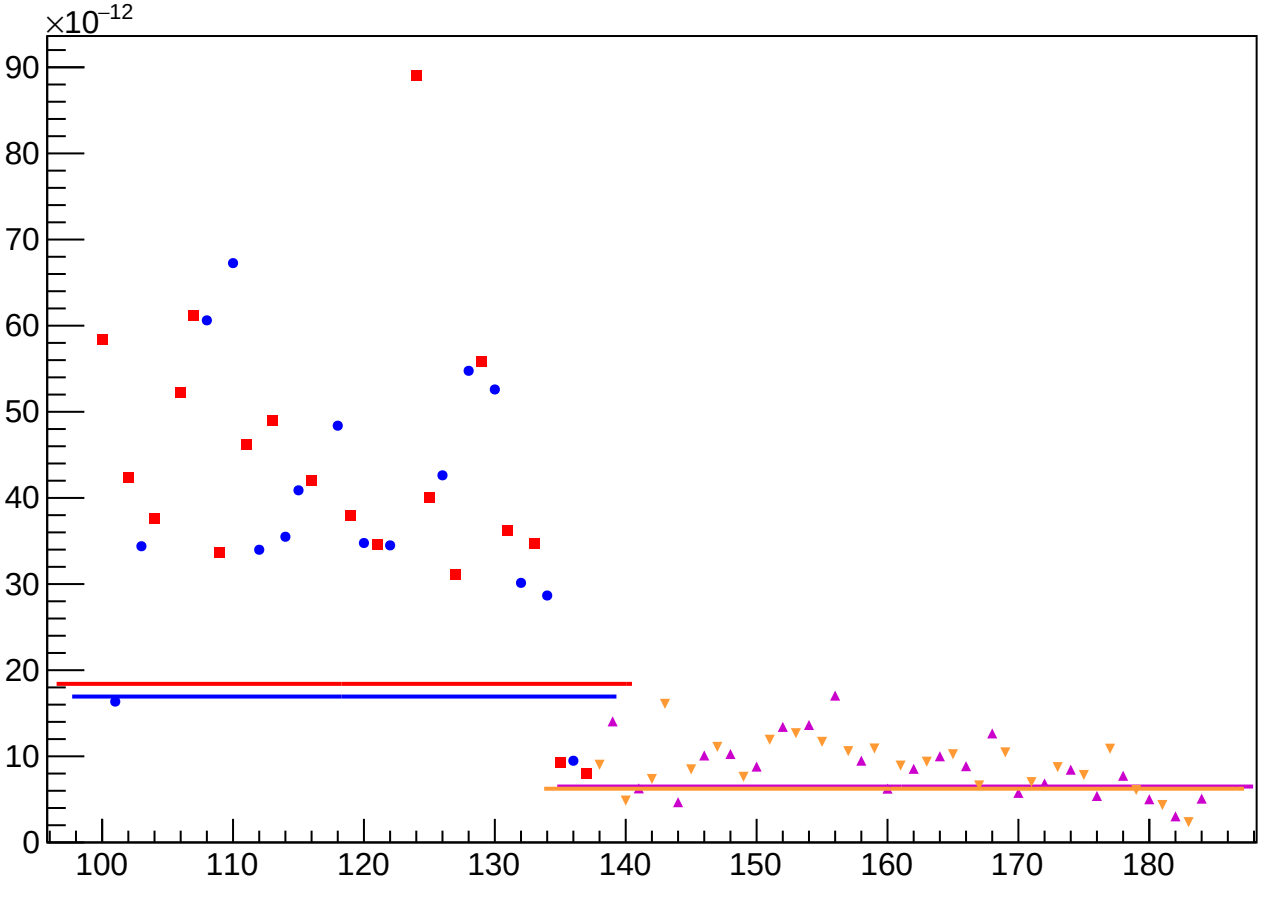
In: 34.673+/-0.006 χ^2/NDF:12134541.5/38

Out: 35.134+/-0.006 χ^2/NDF:14257153.1/42

All: 34.897+/-0.004 χ^2/NDF: 26394580.0/81


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: 0.000+/-0.000 χ²/NDF:25.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.3/18
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 45.8/46
Right: -0.000+/-0.000 χ²/NDF: 35.6/34
In: -0.000+/-0.000 χ²/NDF:30.8/38
Out: -0.000+/-0.000 χ²/NDF:55.1/42
All: -0.000+/-0.000 χ²/NDF: 86.5/81

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:3998320.2/22

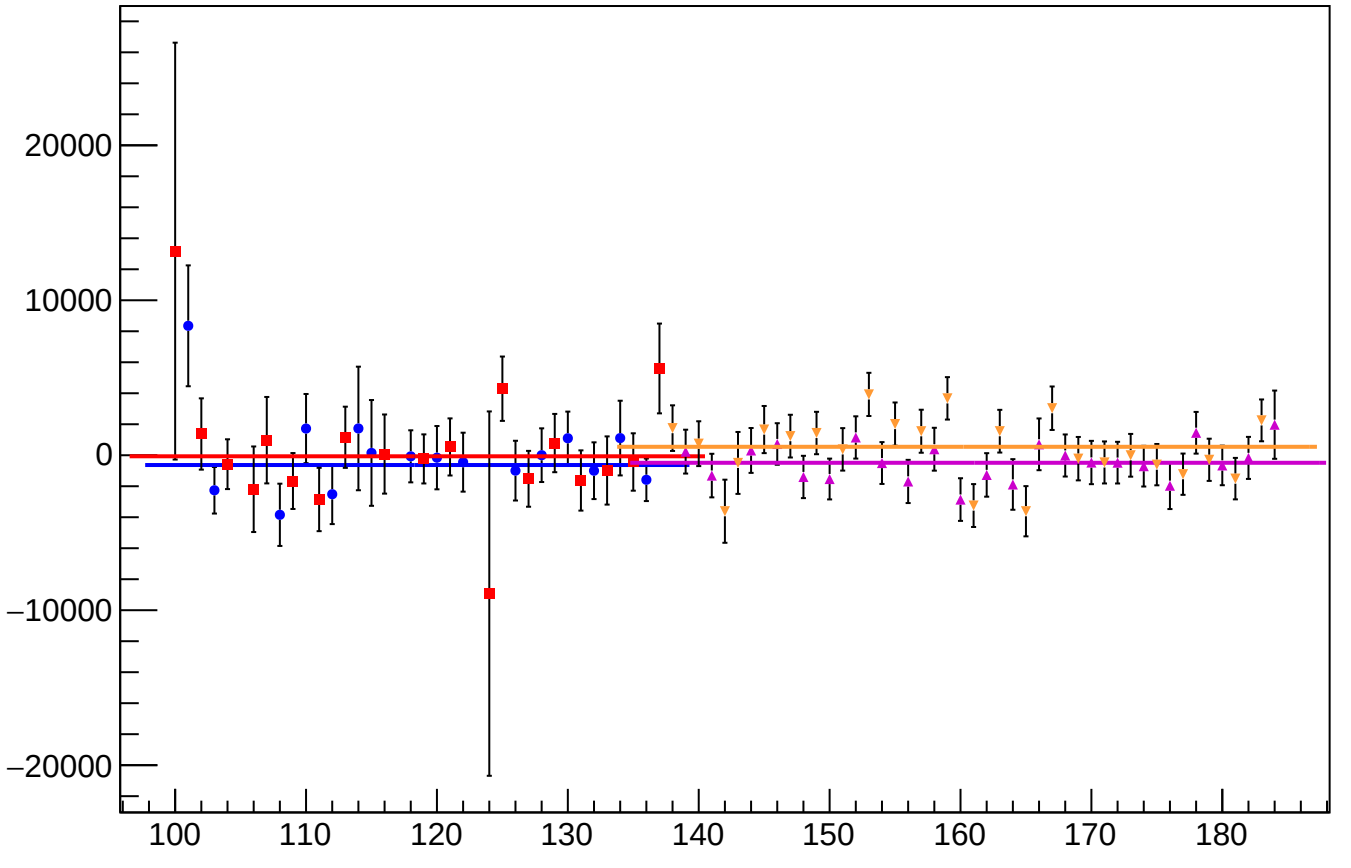
Left: 0.000+/-0.000 χ^2/NDF: 9067387.7/46

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:9334209.9/38

Out: 0.000+/-0.000 χ^2/NDF:11077011.6/42

All: 0.000+/-0.000 χ^2/NDF: 20434095.8/81



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: -486.821+/-293.769 χ^2/NDF:14.4/22

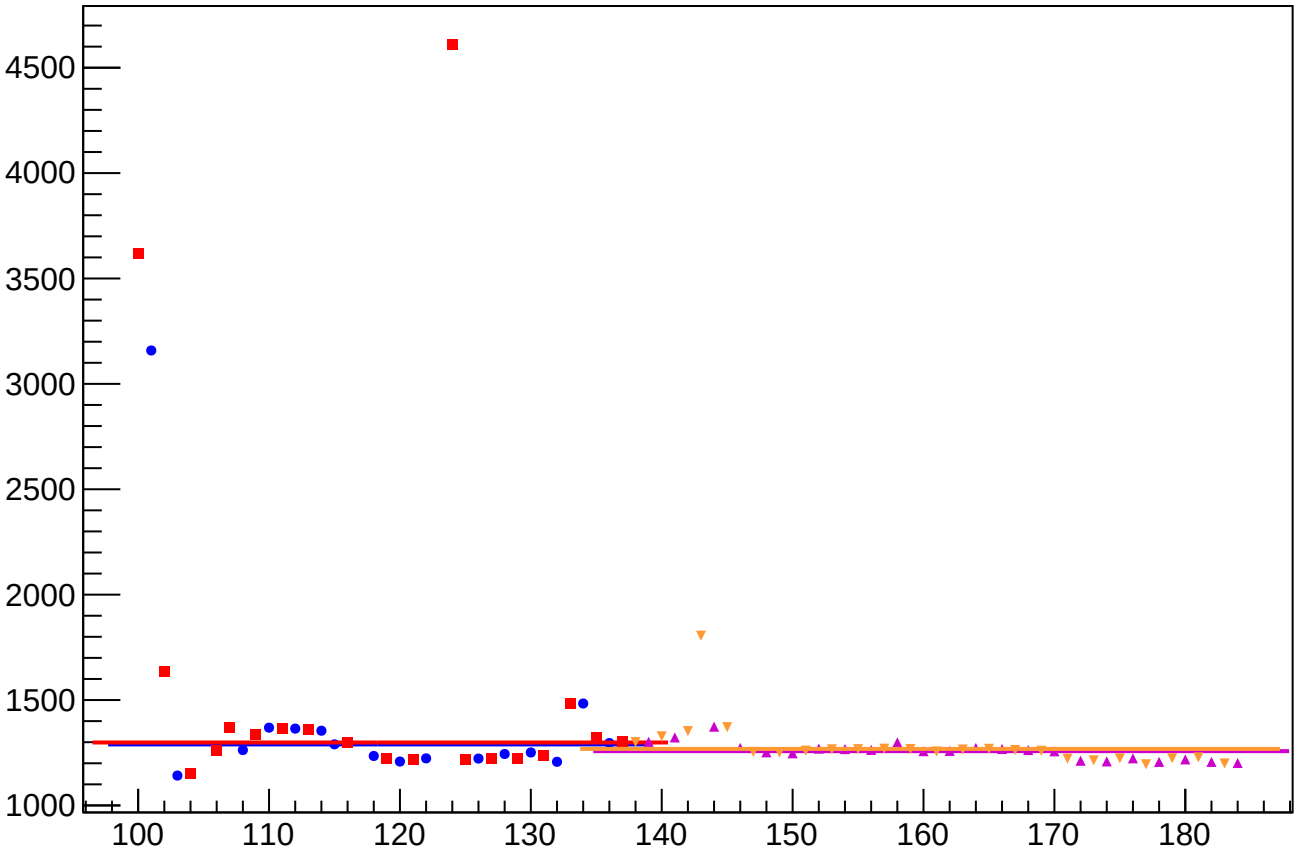
Left: 34.555+/-206.641 χ^2/NDF: 65.4/46

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -525.107+/-251.775 χ^2/NDF:28.4/38

Out: 384.539+/-249.730 χ^2/NDF:61.7/42

All: -66.575+/-177.304 χ^2/NDF: 96.7/81



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: 1257.551+/-0.208 χ^2/NDF:36816.4/22

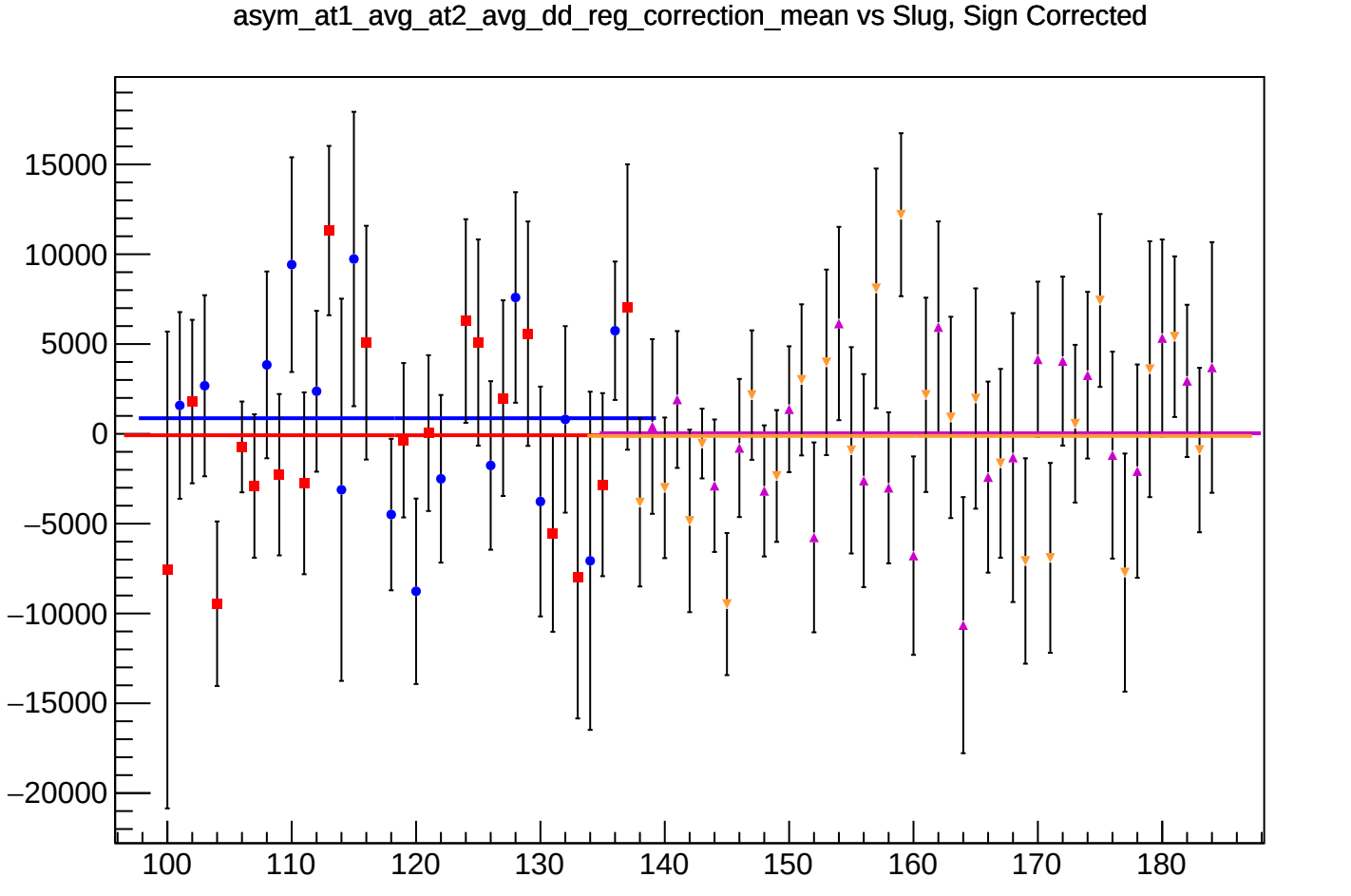
Left: 1262.922+/-0.146 χ^2/NDF: 223398.2/46

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1266.024+/-0.178 χ^2/NDF:557757.7/38

Out: 1276.202+/-0.176 χ^2/NDF:510415.6/42

All: 1271.158+/-0.125 χ^2/NDF: 1069822.0/81



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: 31.593+/-995.348 χ^2/NDF:14.0/22

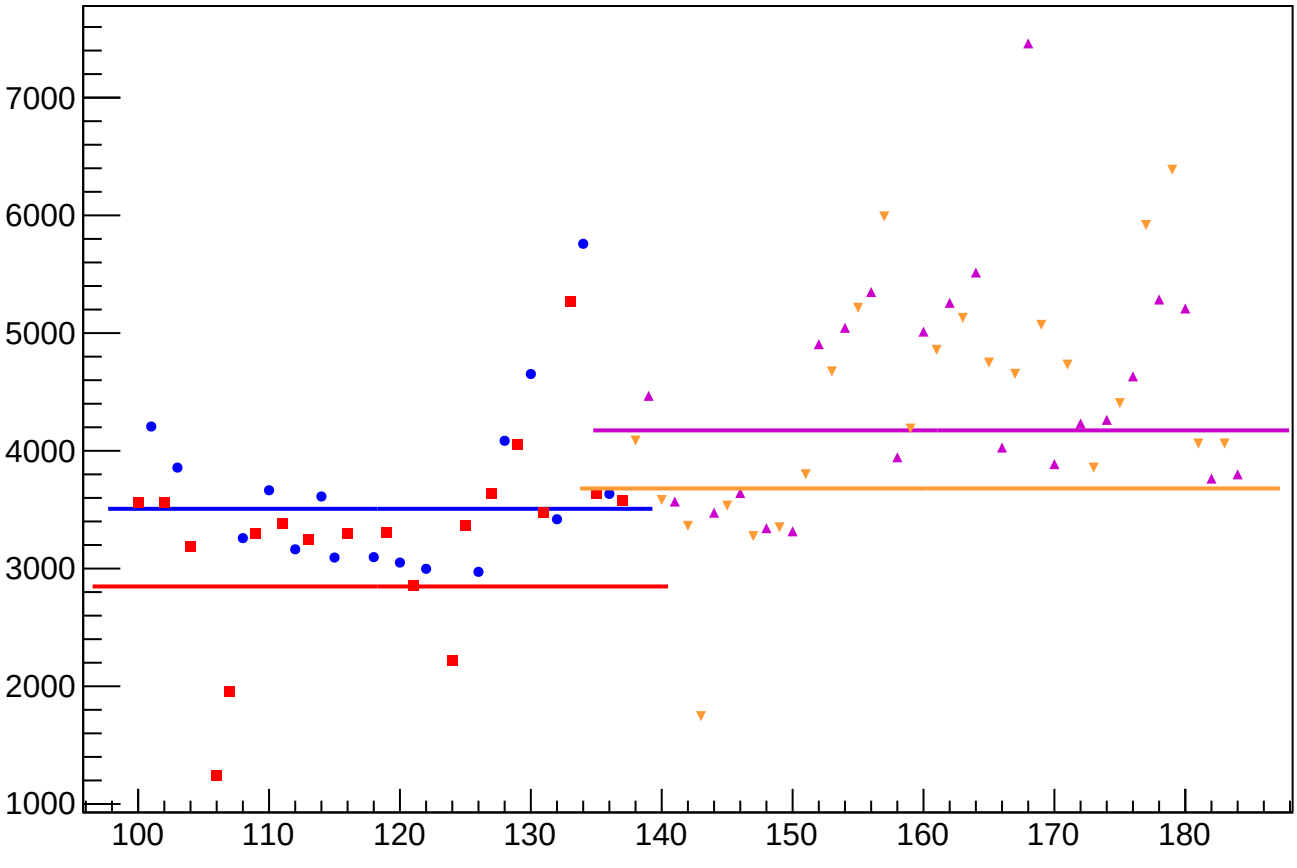
Left: -50.140+/-664.301 χ^2/NDF: 41.8/46

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 334.066+/-795.878 χ^2/NDF:28.3/38

Out: -100.711+/-695.597 χ^2/NDF:46.1/42

All: 87.576+/-523.750 χ^2/NDF: 74.6/81



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: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

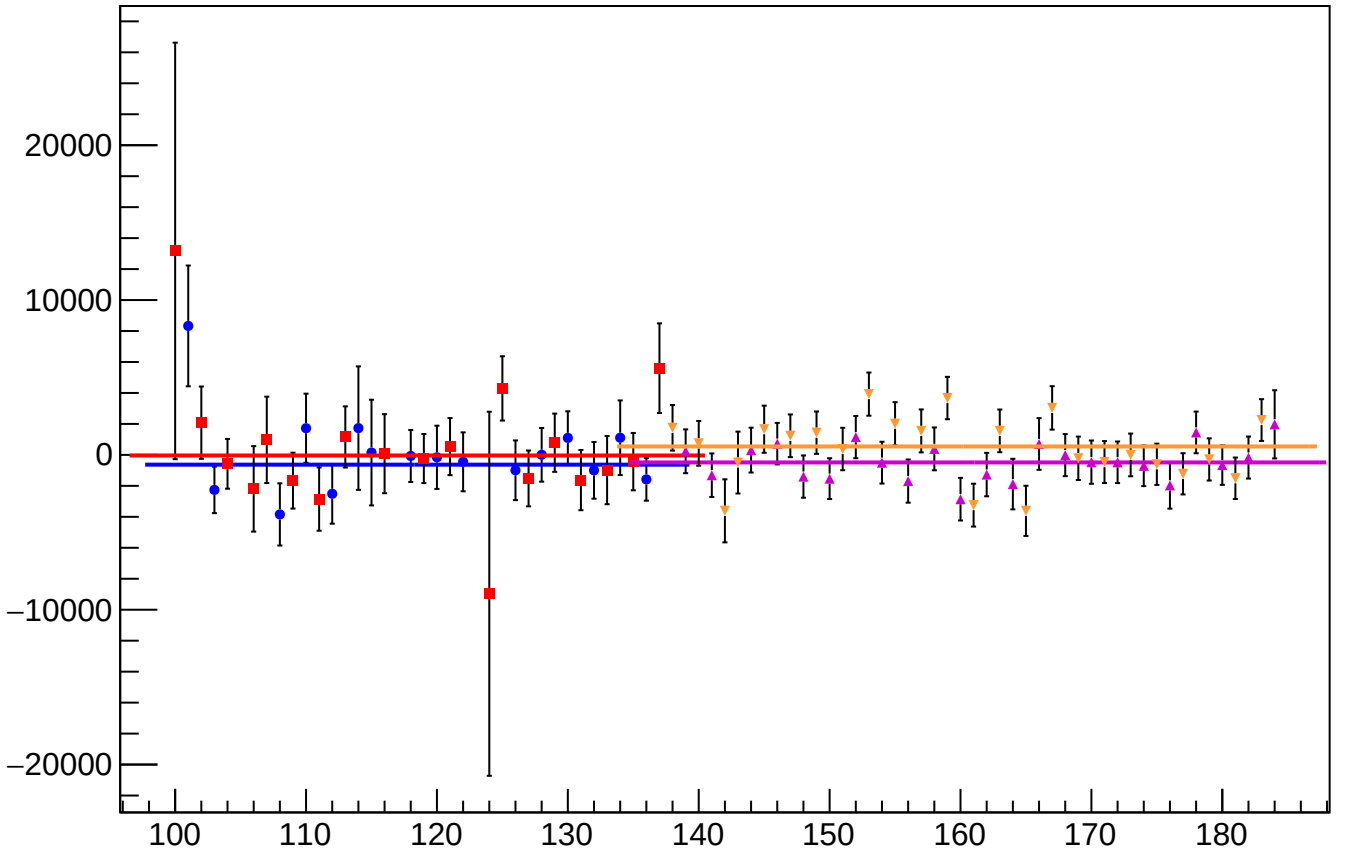
Left: 3899.976+/-0.470 χ^2/NDF: 5236912.5/46

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3933.310+/-0.563 χ^2/NDF:1952031.0/38

Out: 3353.977+/-0.492 χ^2/NDF:5871439.9/42

All: 3604.866+/-0.370 χ^2/NDF: 8424266.0/81



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: -486.720+/-293.769 χ^2/NDF:14.4/22

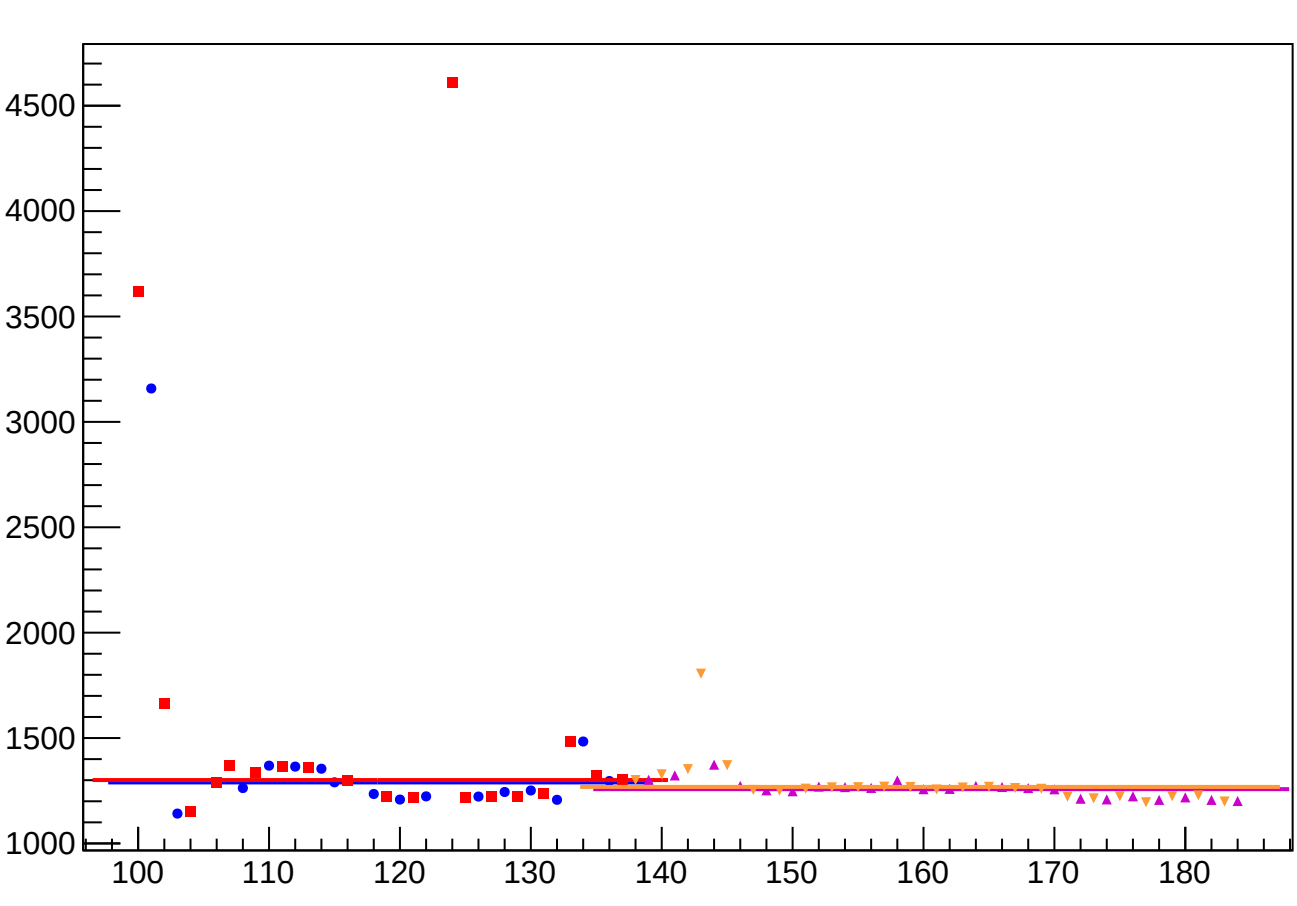
Left: 34.616+/-206.641 χ^2/NDF: 65.4/46

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -525.134+/-251.775 χ^2/NDF:28.4/38

Out: 392.313+/-249.773 χ^2/NDF:62.1/42

All: -62.750+/-177.320 χ^2/NDF: 97.2/81



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: 1257.551+/-0.208 χ^2/NDF:36816.3/22

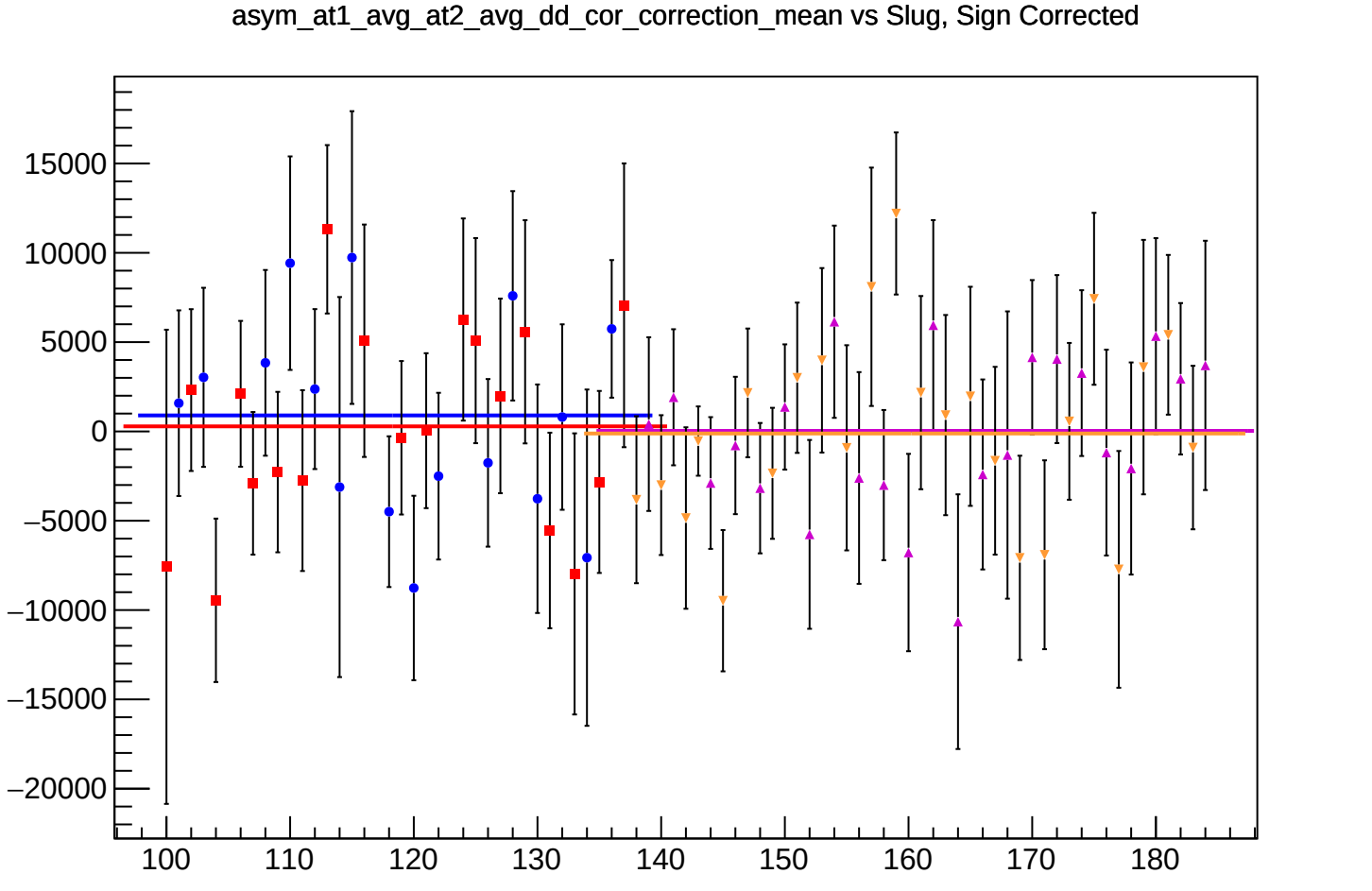
Left: 1262.923+/-0.146 χ^2/NDF: 223398.1/46

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.024+/-0.178 χ^2/NDF:557759.1/38

Out: 1276.718+/-0.177 χ^2/NDF:517729.9/42

All: 1271.416+/-0.125 χ^2/NDF: 1077308.3/81



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: 31.597+/-995.347 χ^2/NDF:14.0/22

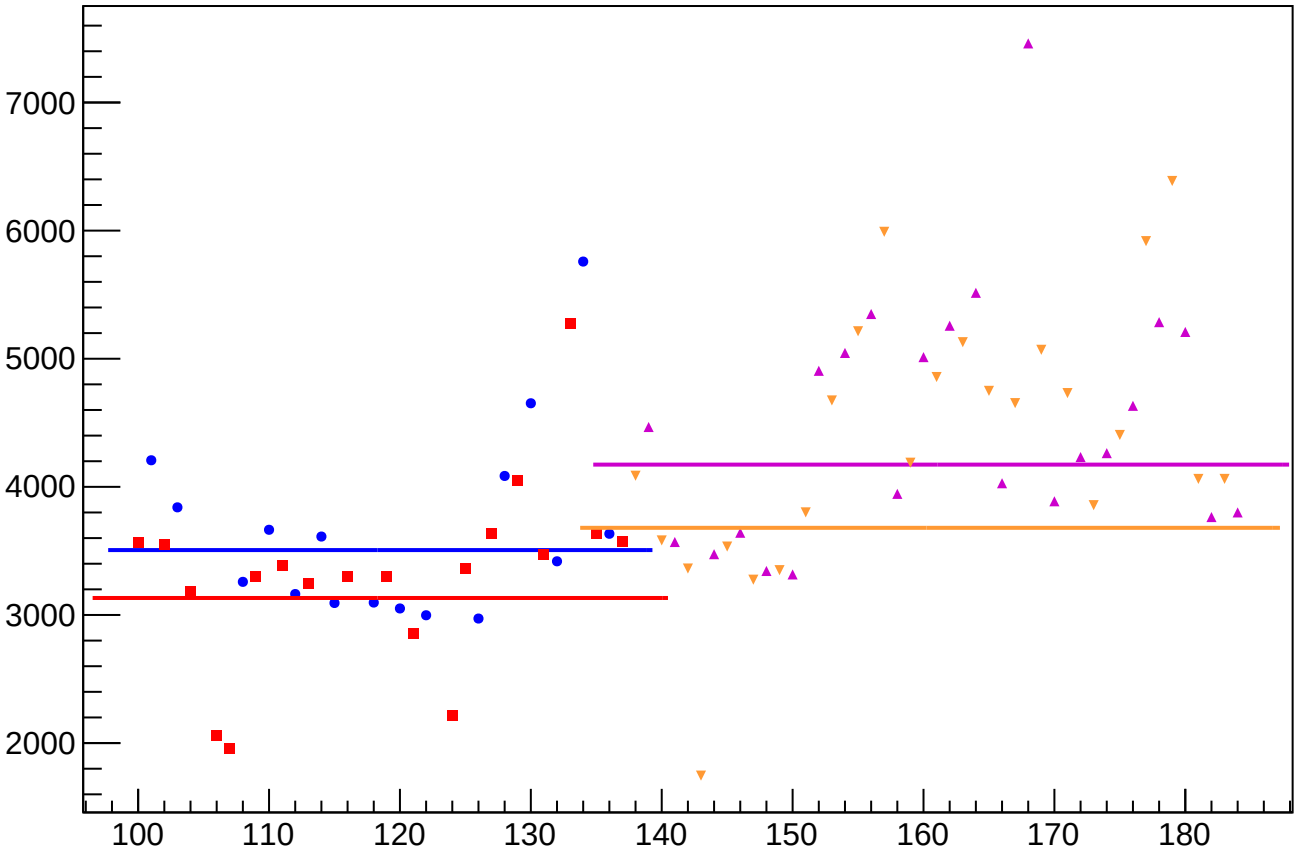
Left: -50.100+/-664.301 χ^2/NDF: 41.8/46

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 343.481+/-795.778 χ^2/NDF:28.4/38

Out: 29.134+/-712.285 χ^2/NDF:46.4/42

All: 168.957+/-530.734 χ^2/NDF: 74.9/81



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: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

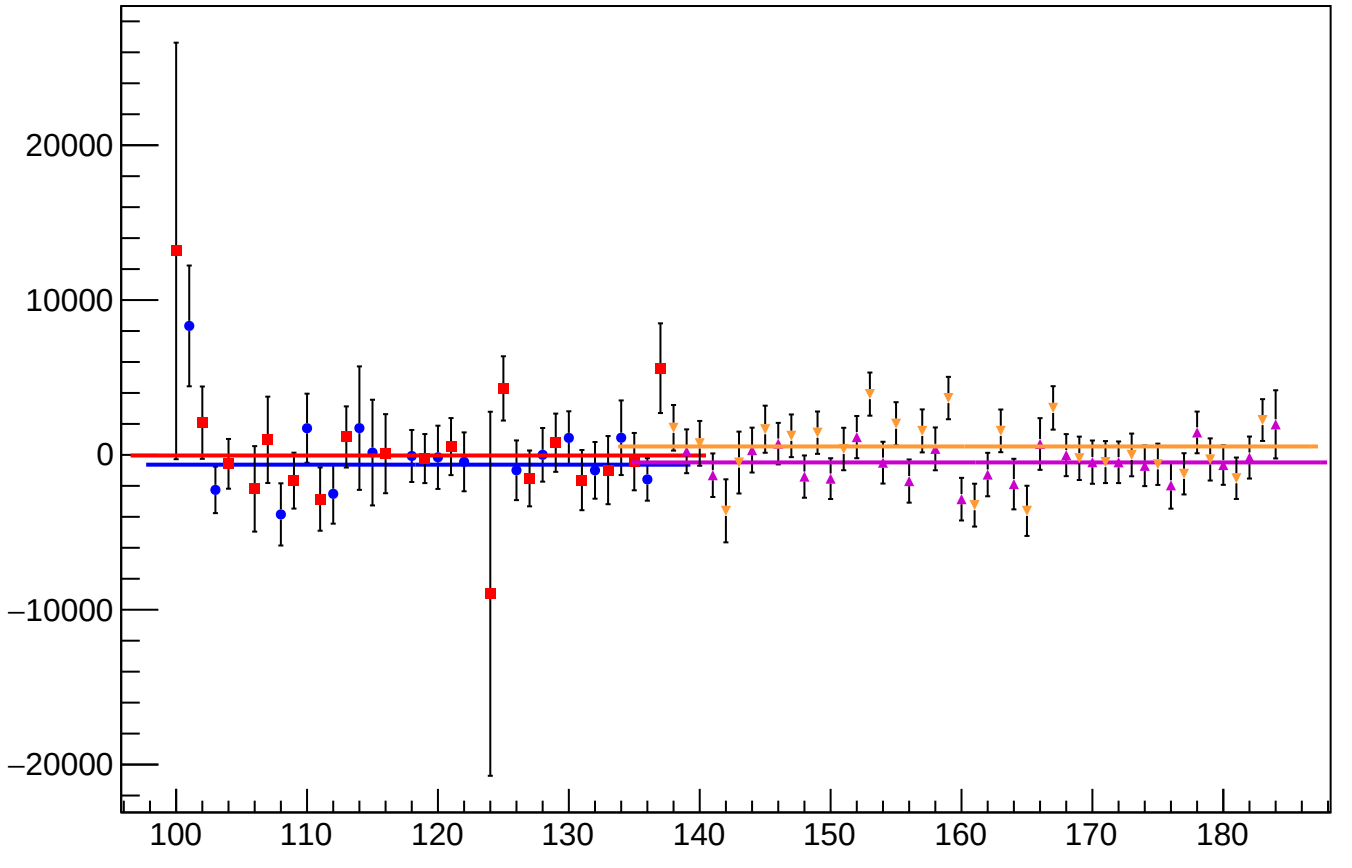
Left: 3899.969+/-0.470 χ^2/NDF: 5236953.4/46

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3932.871+/-0.563 χ^2/NDF:1952311.5/38

Out: 3481.752+/-0.504 χ^2/NDF:4612329.7/42

All: 3682.412+/-0.375 χ^2/NDF: 6921482.0/81



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: -486.720+/-293.769 χ^2/NDF:14.4/22

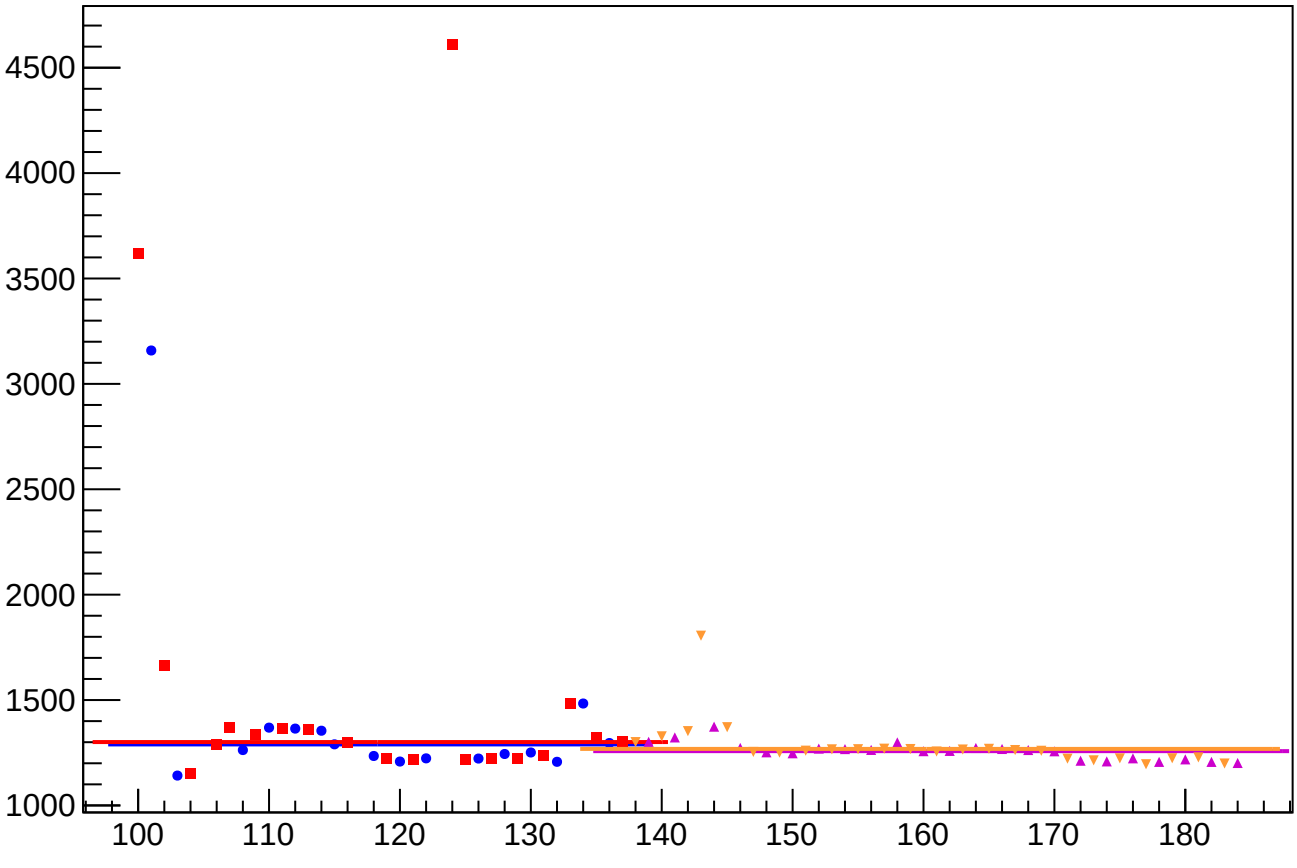
Left: 34.616+/-206.641 χ^2/NDF: 65.4/46

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -525.134+/-251.775 χ^2/NDF:28.4/38

Out: 392.313+/-249.773 χ^2/NDF:62.1/42

All: -62.750+/-177.320 χ^2/NDF: 97.2/81



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: 1257.551+/-0.208 χ^2/NDF:36816.3/22

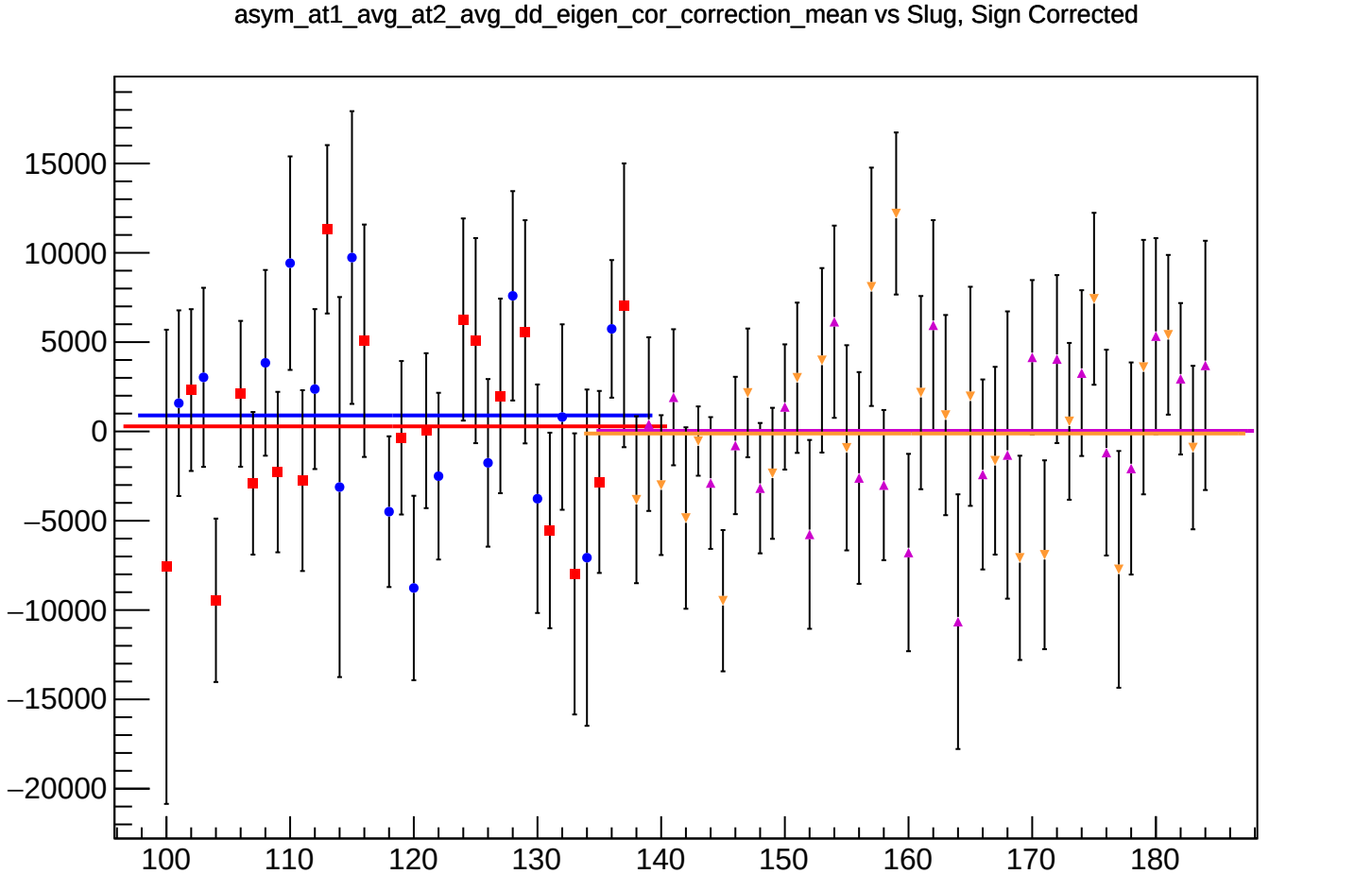
Left: 1262.923+/-0.146 χ^2/NDF: 223398.1/46

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.024+/-0.178 χ^2/NDF:557759.1/38

Out: 1276.718+/-0.177 χ^2/NDF:517729.9/42

All: 1271.416+/-0.125 χ^2/NDF: 1077308.3/81



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: 31.597+/-995.347 χ^2/NDF:14.0/22

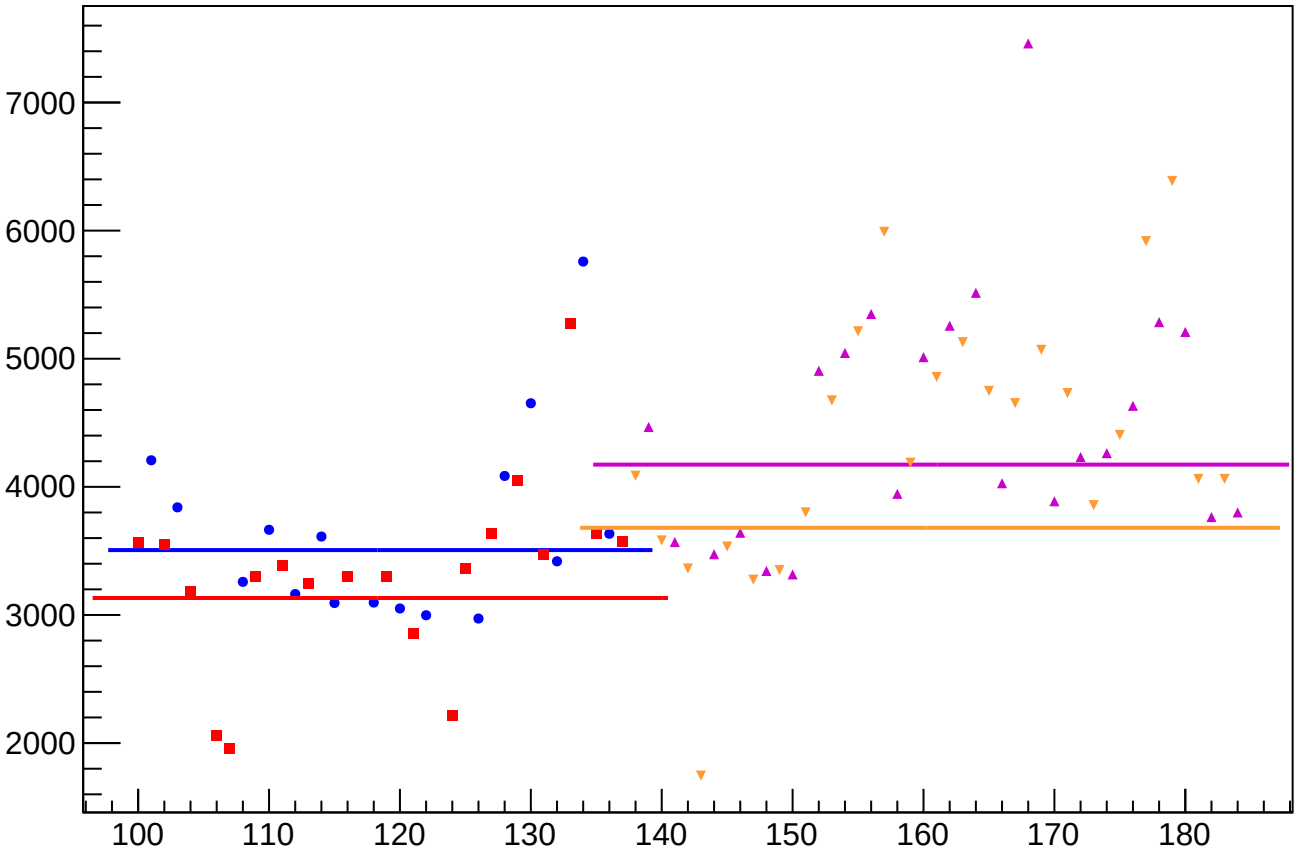
Left: -50.100+/-664.301 χ^2/NDF: 41.8/46

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 343.481+/-795.778 χ^2/NDF:28.4/38

Out: 29.134+/-712.285 χ^2/NDF:46.4/42

All: 168.957+/-530.734 χ^2/NDF: 74.9/81



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: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

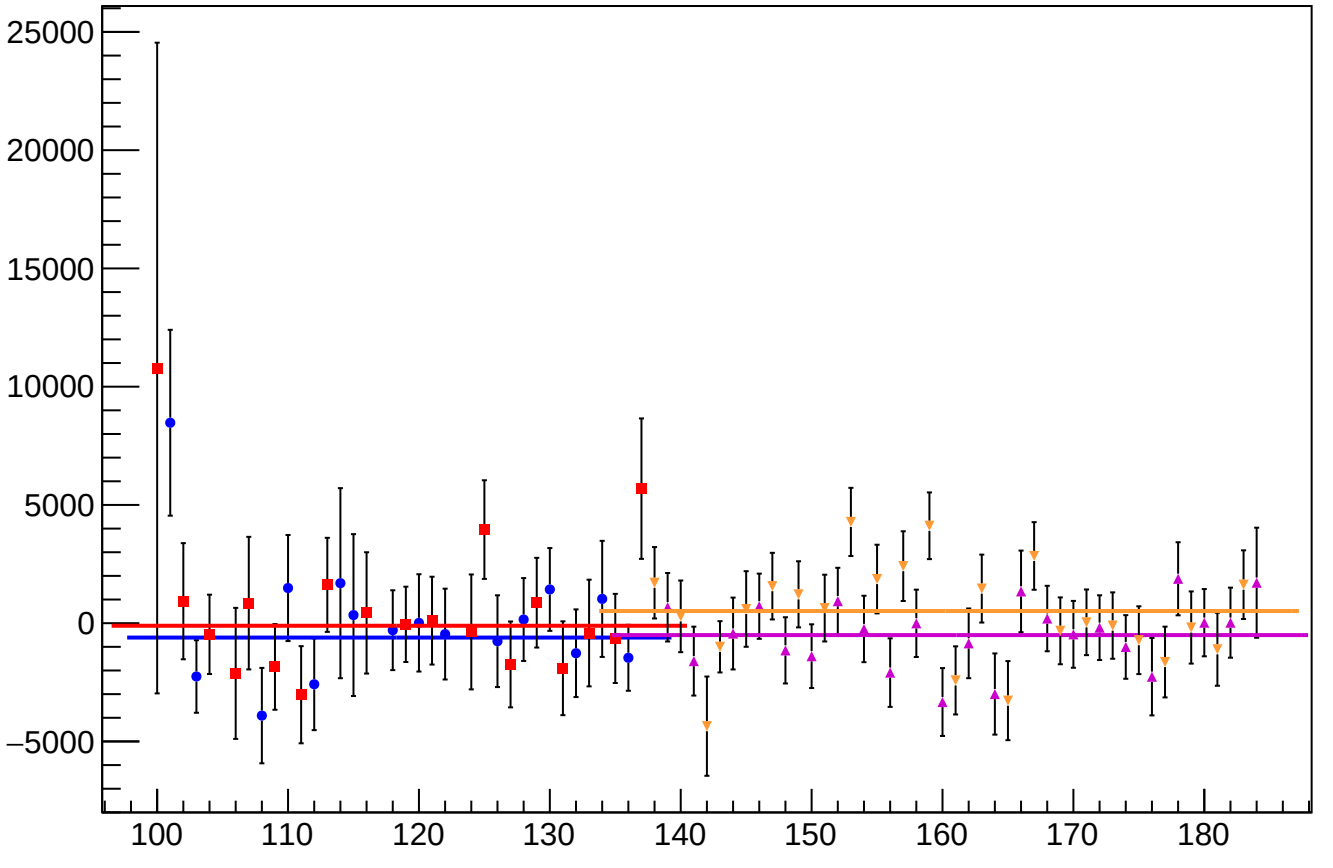
Left: 3899.969+/-0.470 χ^2/NDF: 5236953.4/46

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3932.871+/-0.563 χ^2/NDF:1952311.5/38

Out: 3481.752+/-0.504 χ^2/NDF:4612329.7/42

All: 3682.412+/-0.375 χ^2/NDF: 6921482.0/81



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: -503.558+/-307.055 χ^2/NDF:17.4/22

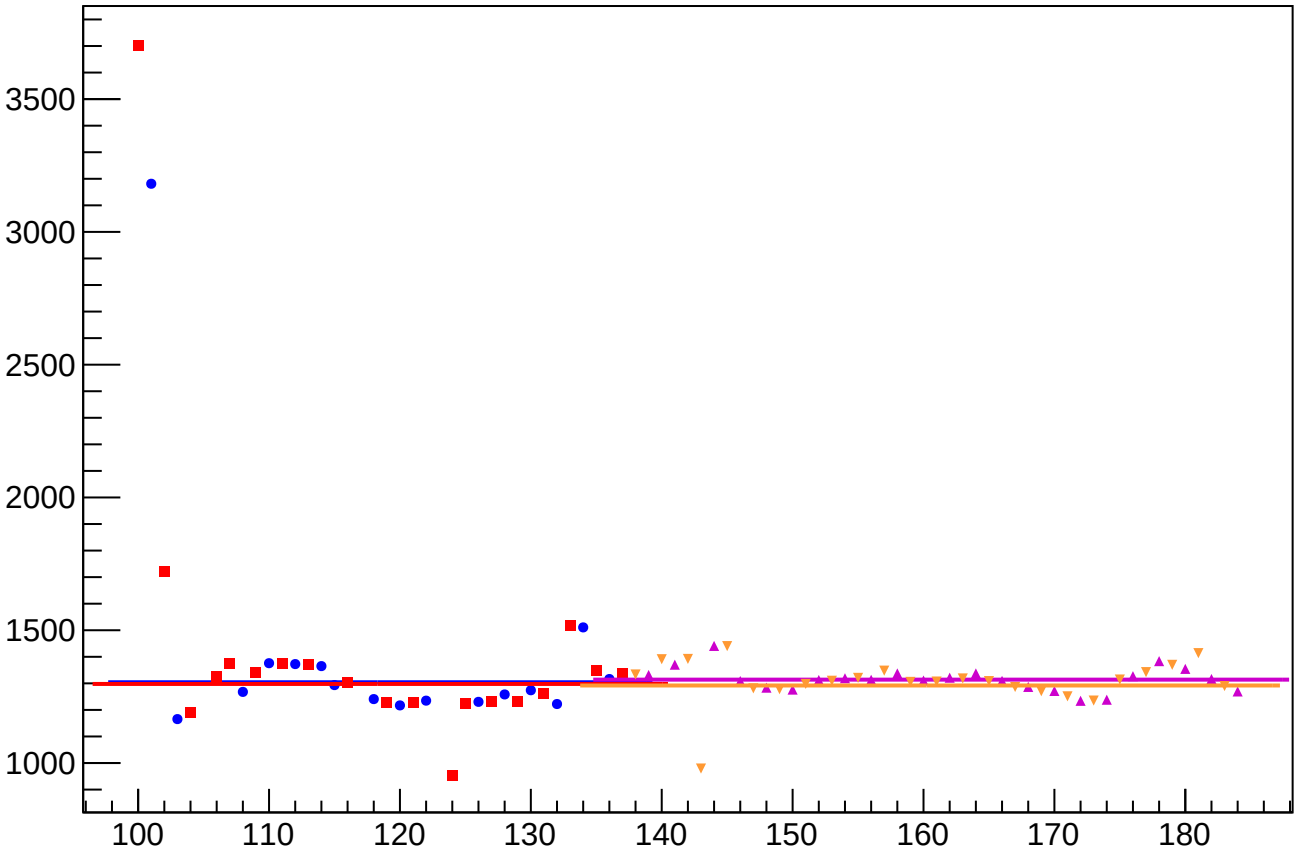
Left: 23.236+/-213.268 χ^2/NDF: 65.5/46

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -532.602+/-260.810 χ^2/NDF:31.5/38

Out: 345.111+/-253.012 χ^2/NDF:58.5/42

All: -80.427+/-181.601 χ^2/NDF: 95.9/81



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: 1314.006+/-0.217 χ^2/NDF:43044.7/22

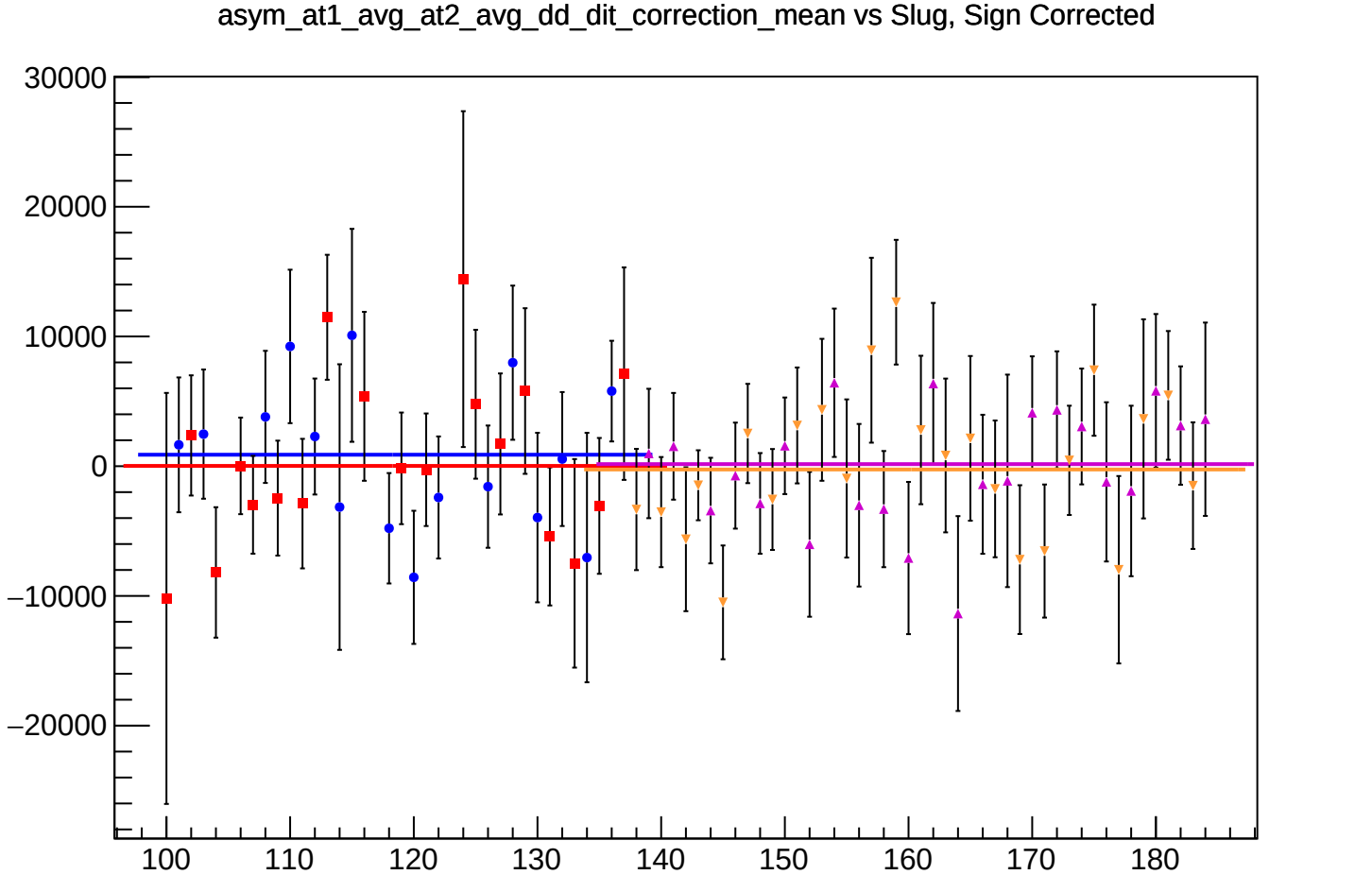
Left: 1302.618+/-0.151 χ^2/NDF: 278115.6/46

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1311.247+/-0.184 χ^2/NDF:554213.6/38

Out: 1293.579+/-0.179 χ^2/NDF:443060.7/42

All: 1302.143+/-0.128 χ^2/NDF: 1002003.8/81



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: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: -59.965+/-716.426 χ^2/NDF: 41.2/46

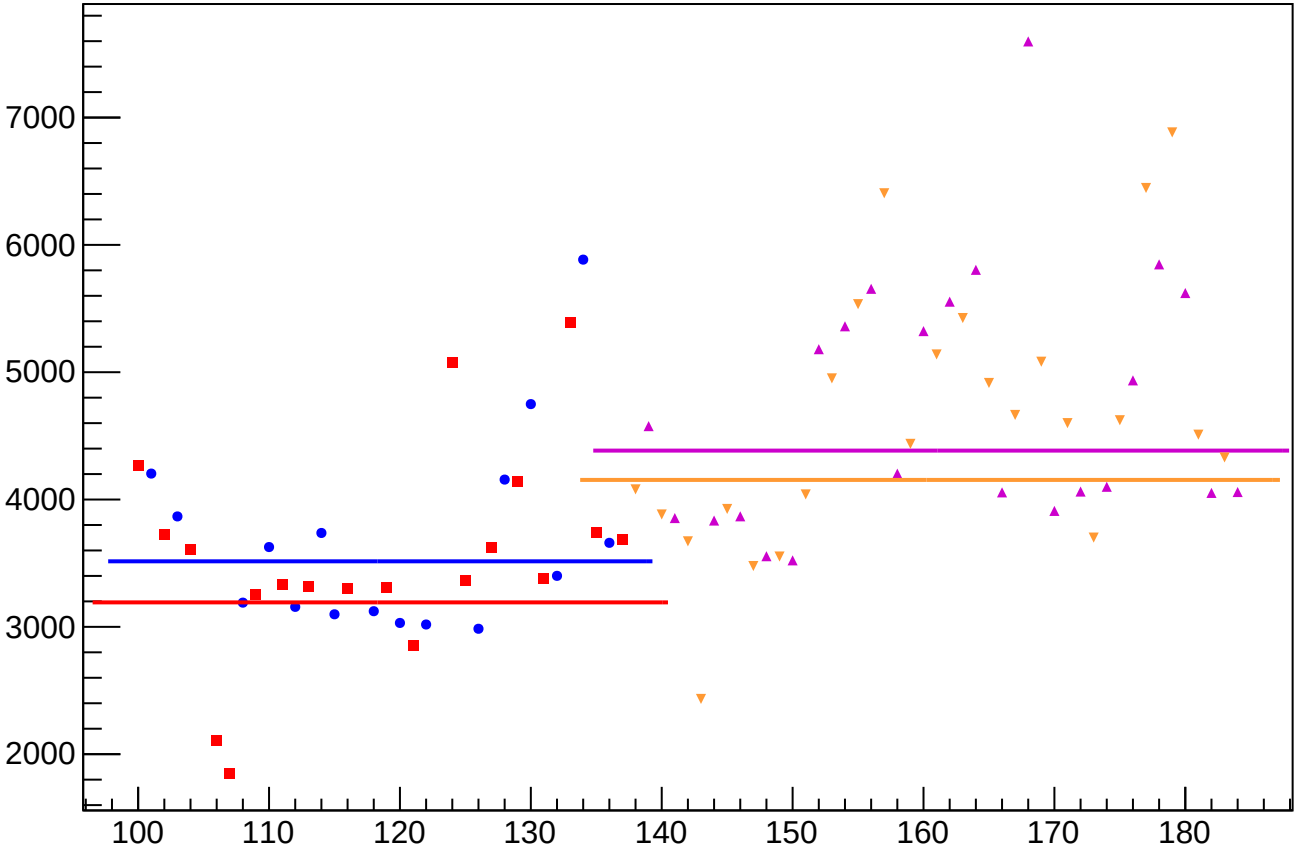
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 436.874+/-821.335 χ^2/NDF:28.1/38

Out: -143.726+/-760.749 χ^2/NDF:44.1/42

All: 124.372+/-558.122 χ^2/NDF: 72.5/81

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4154.038+/-0.696 χ^2/NDF:2079742.1/23

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

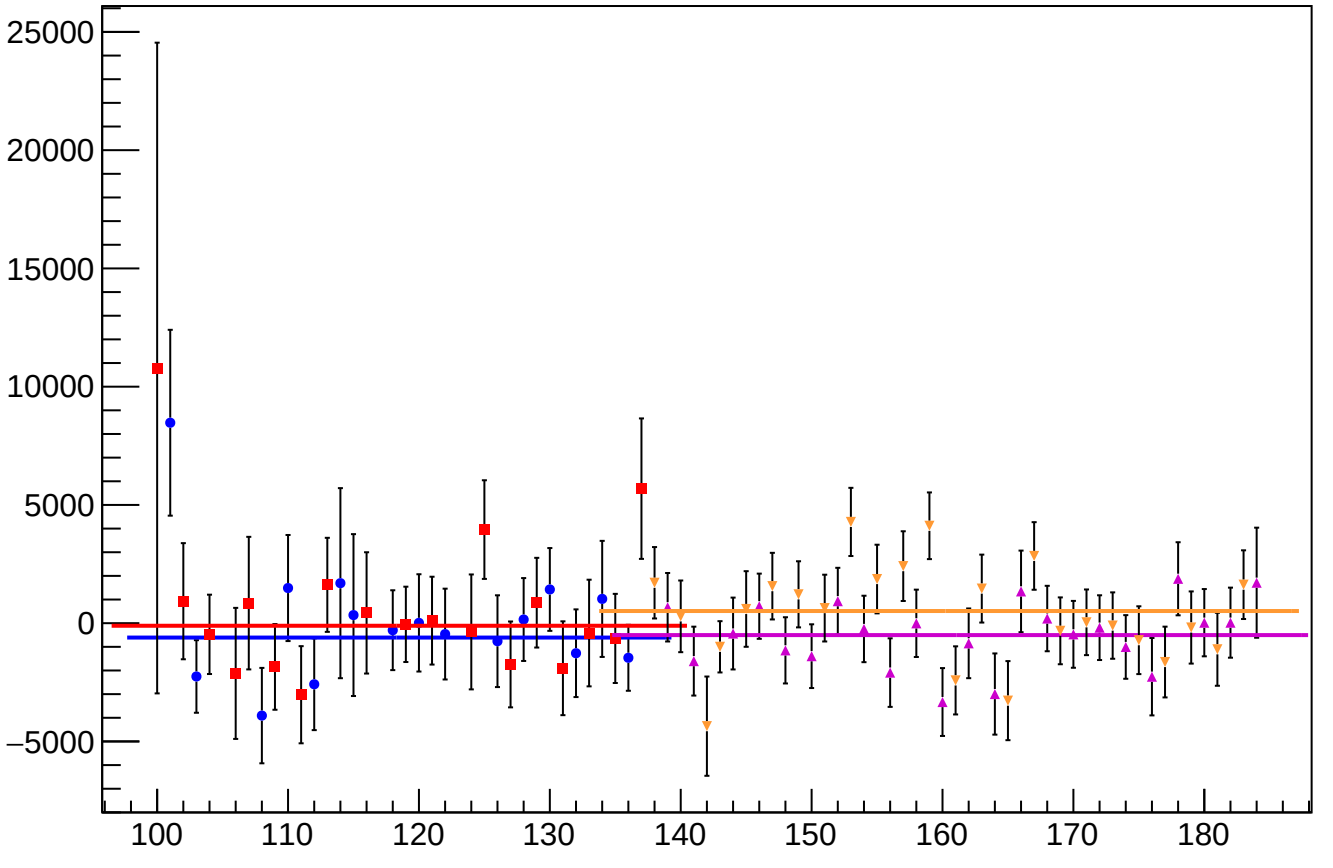
Left: 4262.169+/-0.507 χ^2/NDF: 3386681.7/46

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4051.398+/-0.581 χ^2/NDF:2160247.2/38

Out: 3767.484+/-0.538 χ^2/NDF:3620725.3/42

All: 3898.584+/-0.395 χ^2/NDF: 5909601.1/81



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: -503.558+/-307.056 χ^2/NDF:17.4/22

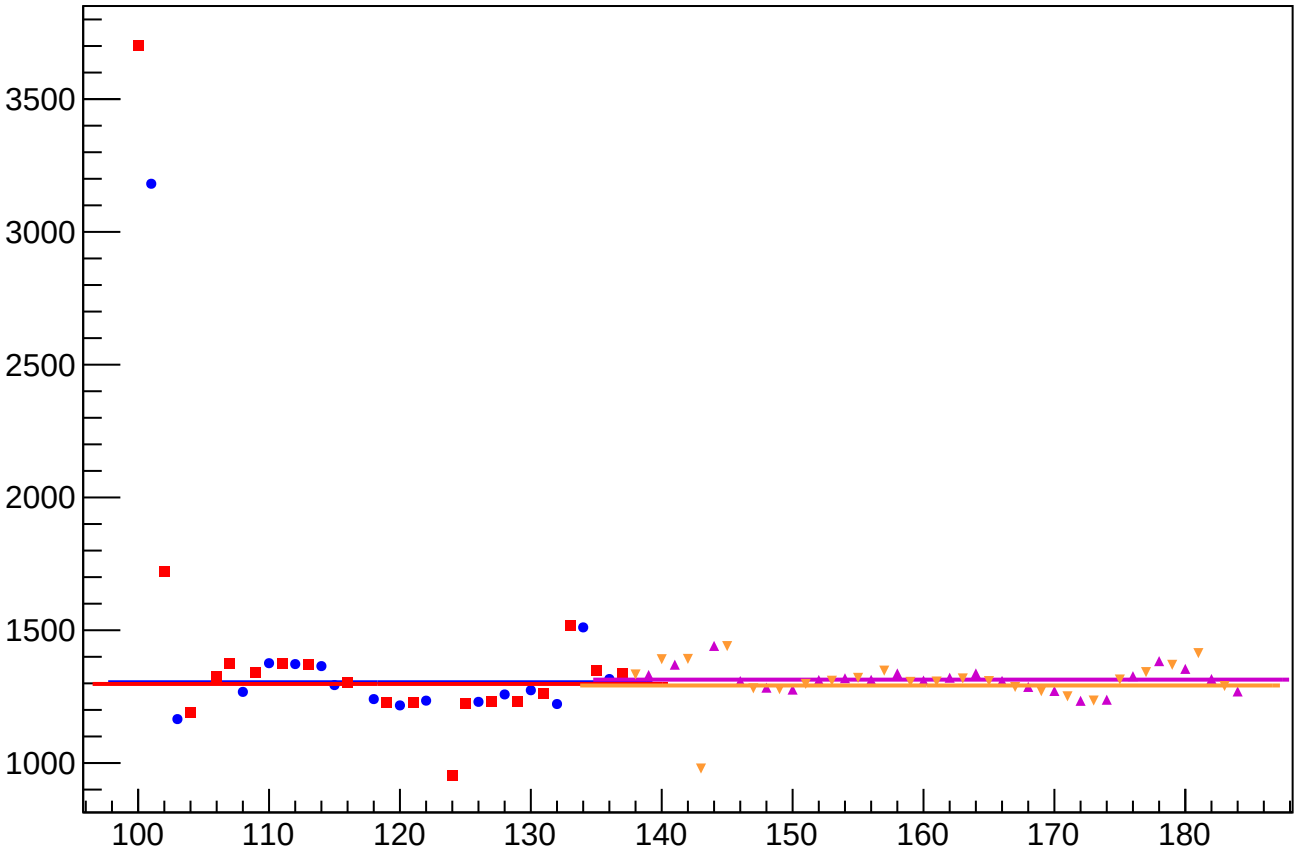
Left: 23.238+/-213.268 χ^2/NDF: 65.5/46

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -532.603+/-260.811 χ^2/NDF:31.5/38

Out: 345.112+/-253.012 χ^2/NDF:58.5/42

All: -80.427+/-181.601 χ^2/NDF: 95.9/81



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: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.620+/-0.151 χ^2/NDF: 278120.3/46

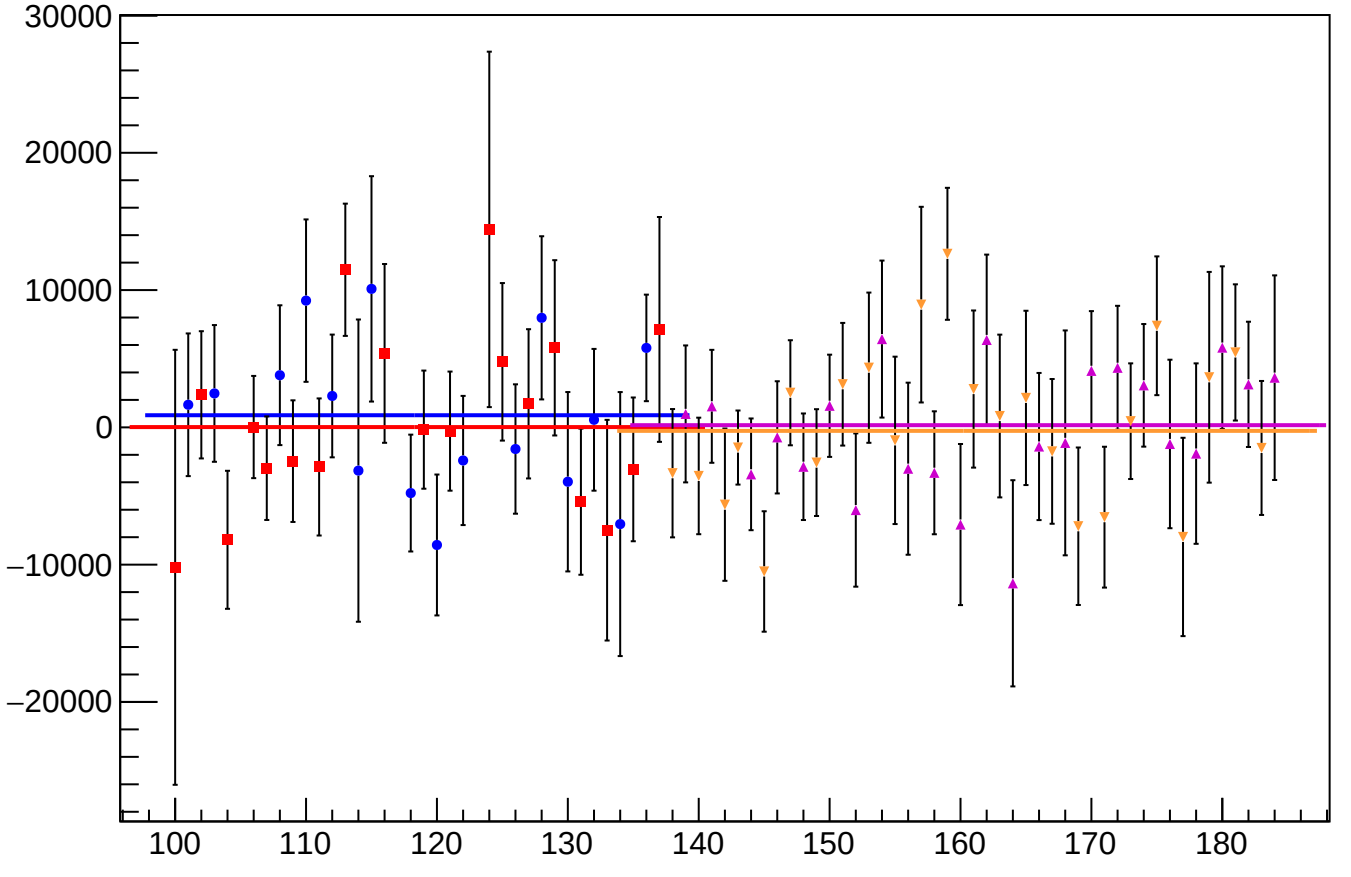
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1311.248+/-0.184 χ^2/NDF:554216.0/38

Out: 1293.580+/-0.179 χ^2/NDF:443063.2/42

All: 1302.144+/-0.128 χ^2/NDF: 1002008.8/81

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -254.194+/-983.677 χ^2/NDF:27.3/23

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: -59.964+/-716.428 χ^2/NDF: 41.2/46

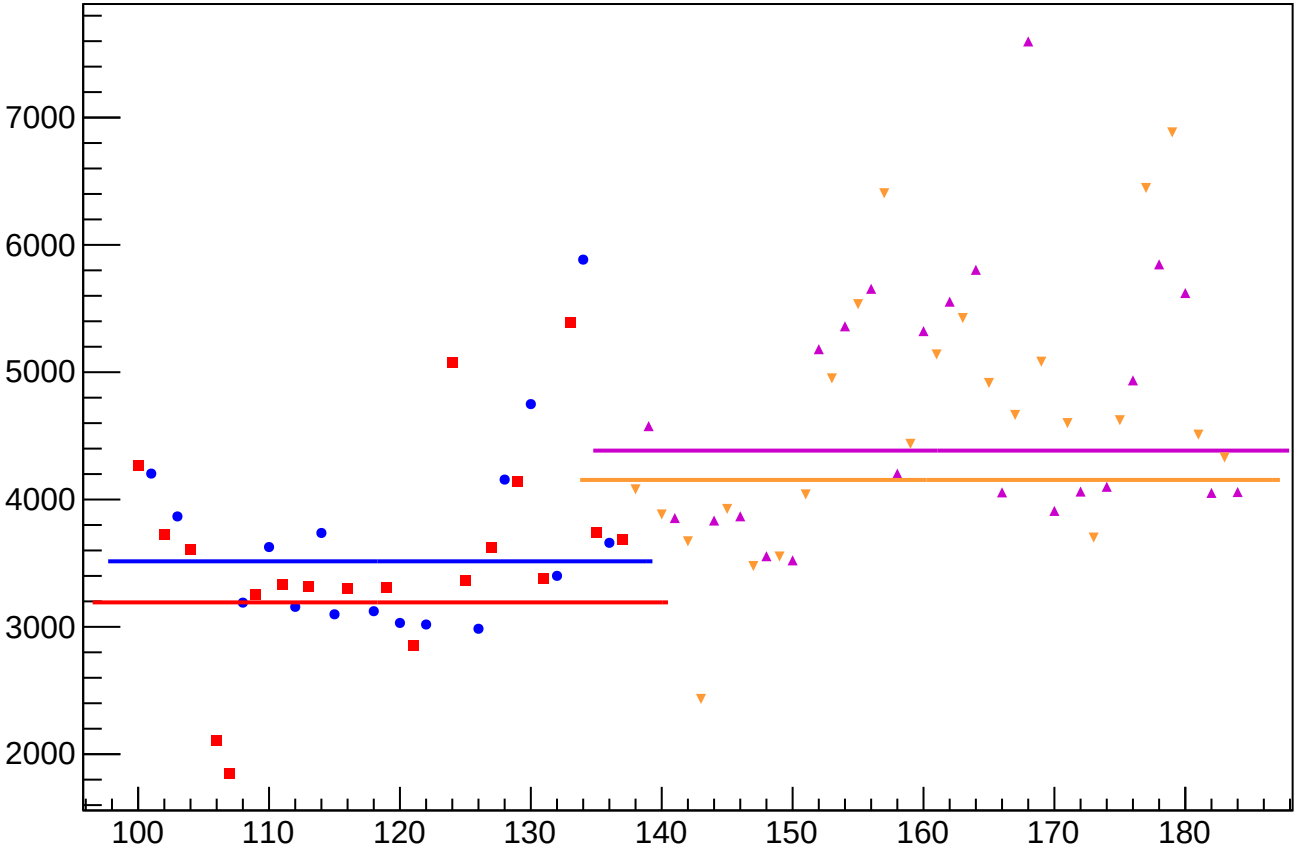
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 436.872+/-821.335 χ^2/NDF:28.1/38

Out: -143.725+/-760.749 χ^2/NDF:44.1/42

All: 124.372+/-558.122 χ^2/NDF: 72.5/81

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4154.044+/-0.696 χ^2/NDF:2079744.9/23

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

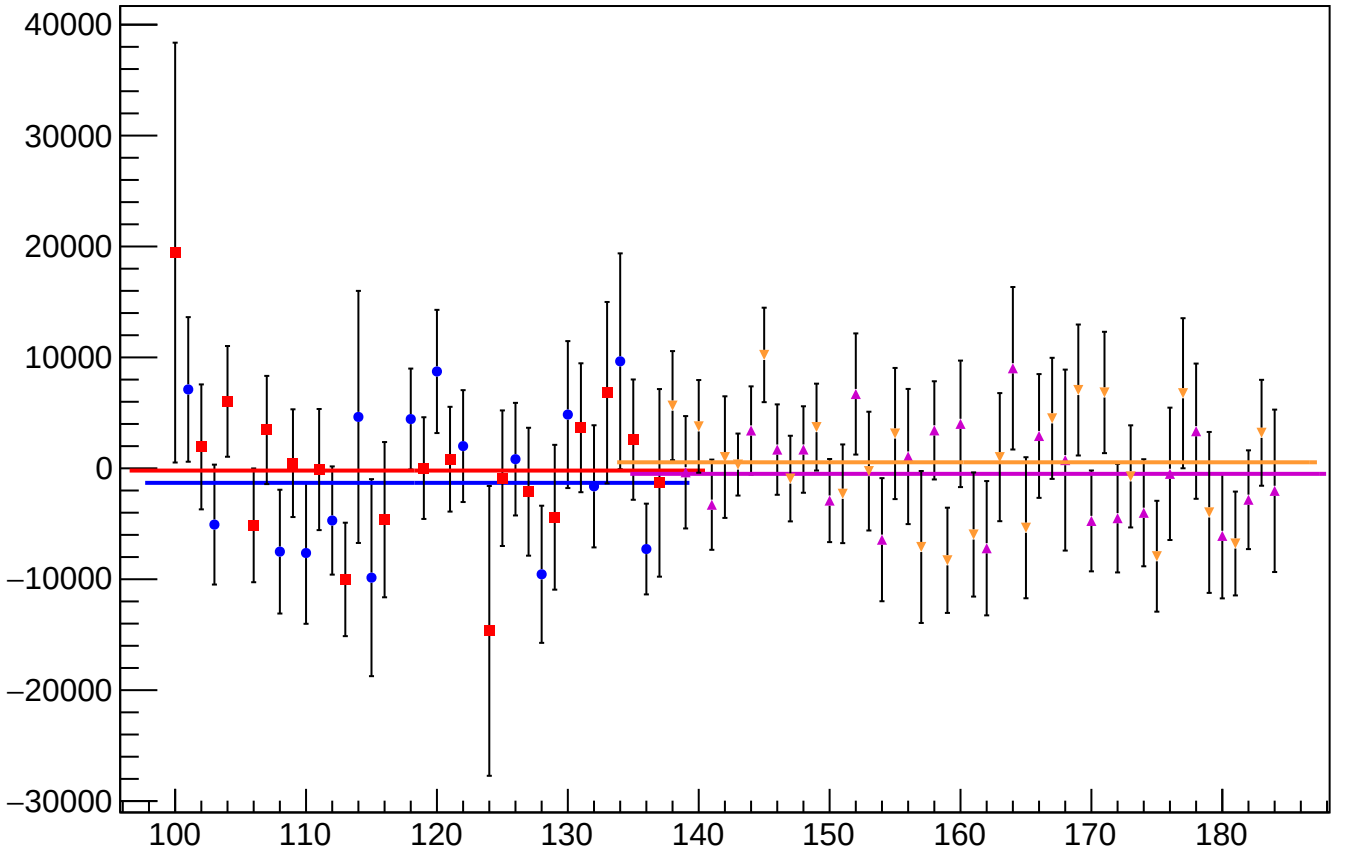
Left: 4262.176+/-0.507 χ^2/NDF: 3386688.7/46

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4051.397+/-0.581 χ^2/NDF:2160275.8/38

Out: 3767.483+/-0.538 χ^2/NDF:3620754.4/42

All: 3898.583+/-0.395 χ^2/NDF: 5909658.8/81



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: -497.522+/-1044.707 χ^2/NDF:13.9/22

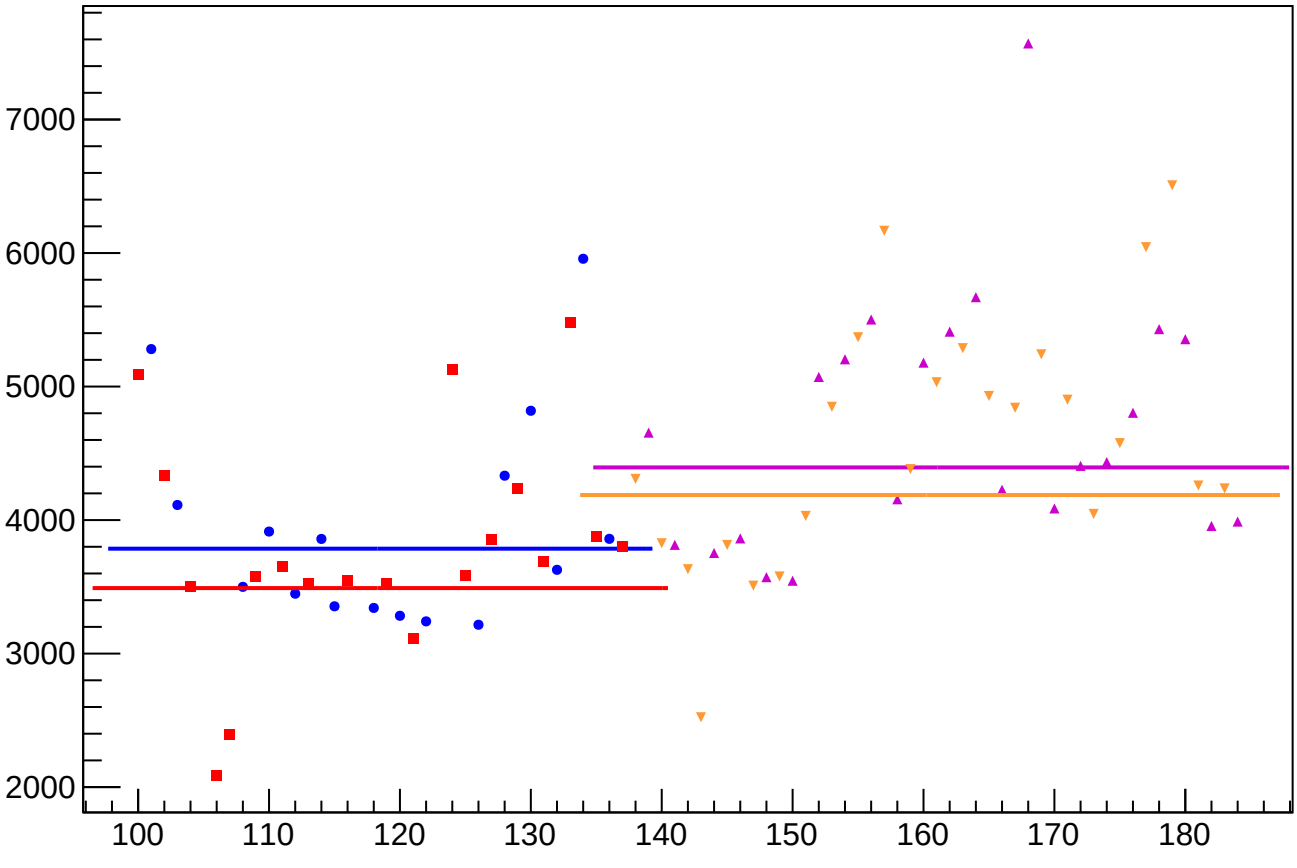
Left: 53.015+/-717.361 χ^2/NDF: 39.6/46

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -779.614+/-843.902 χ^2/NDF:31.7/38

Out: 280.960+/-793.753 χ^2/NDF:37.1/42

All: -216.879+/-578.185 χ^2/NDF: 69.6/81



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: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

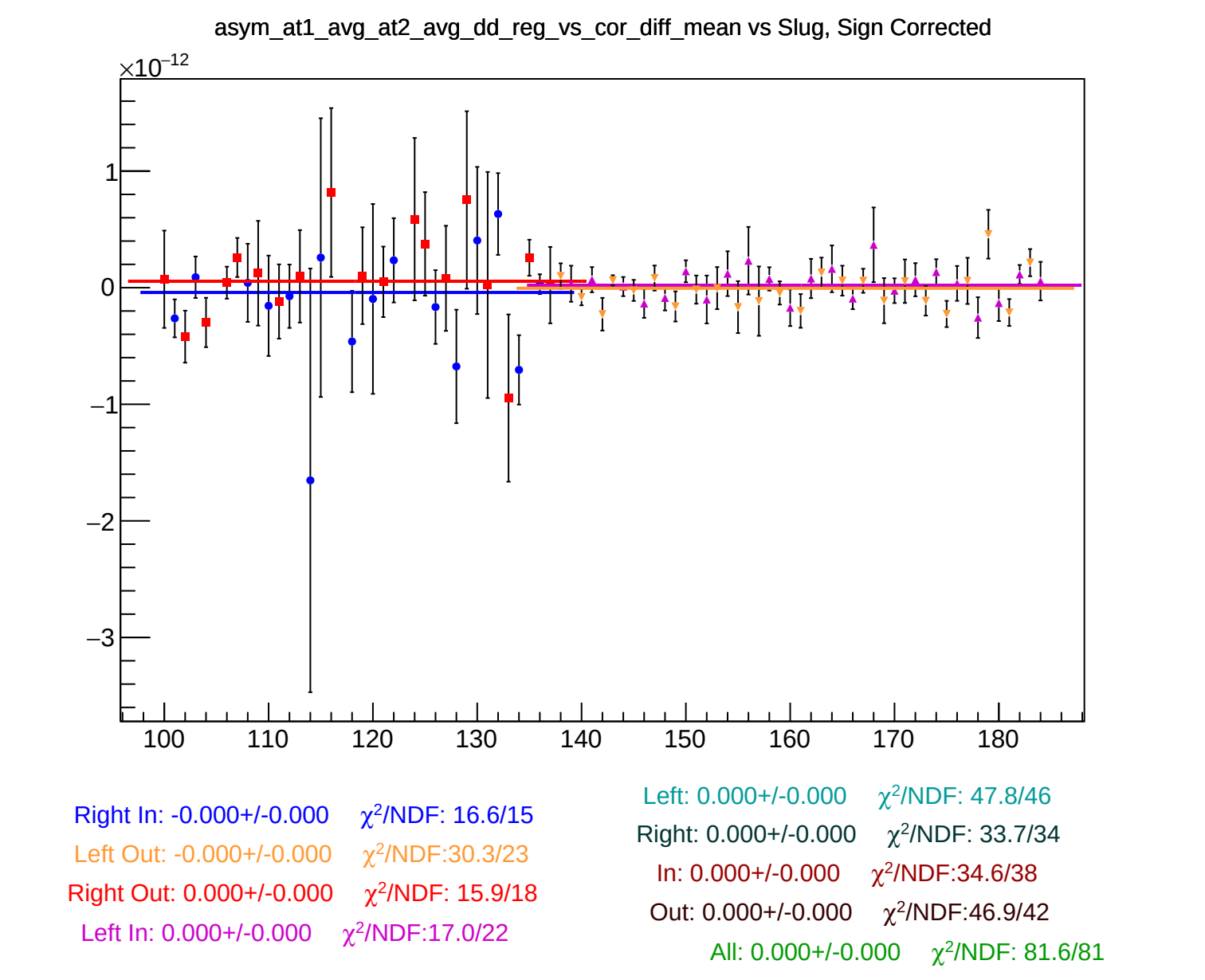
Left: 4284.974+/-0.507 χ^2/NDF: 2926174.4/46

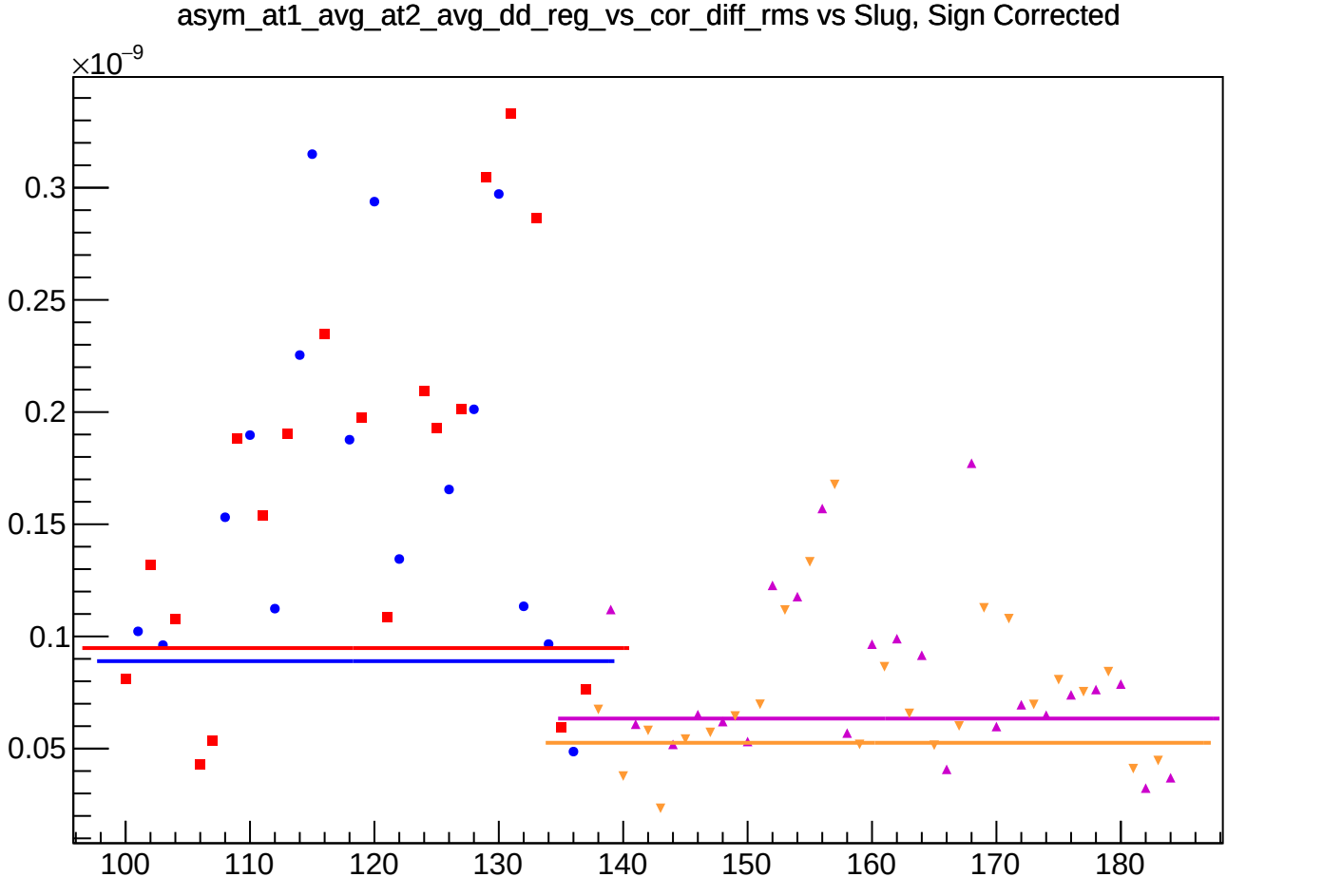
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

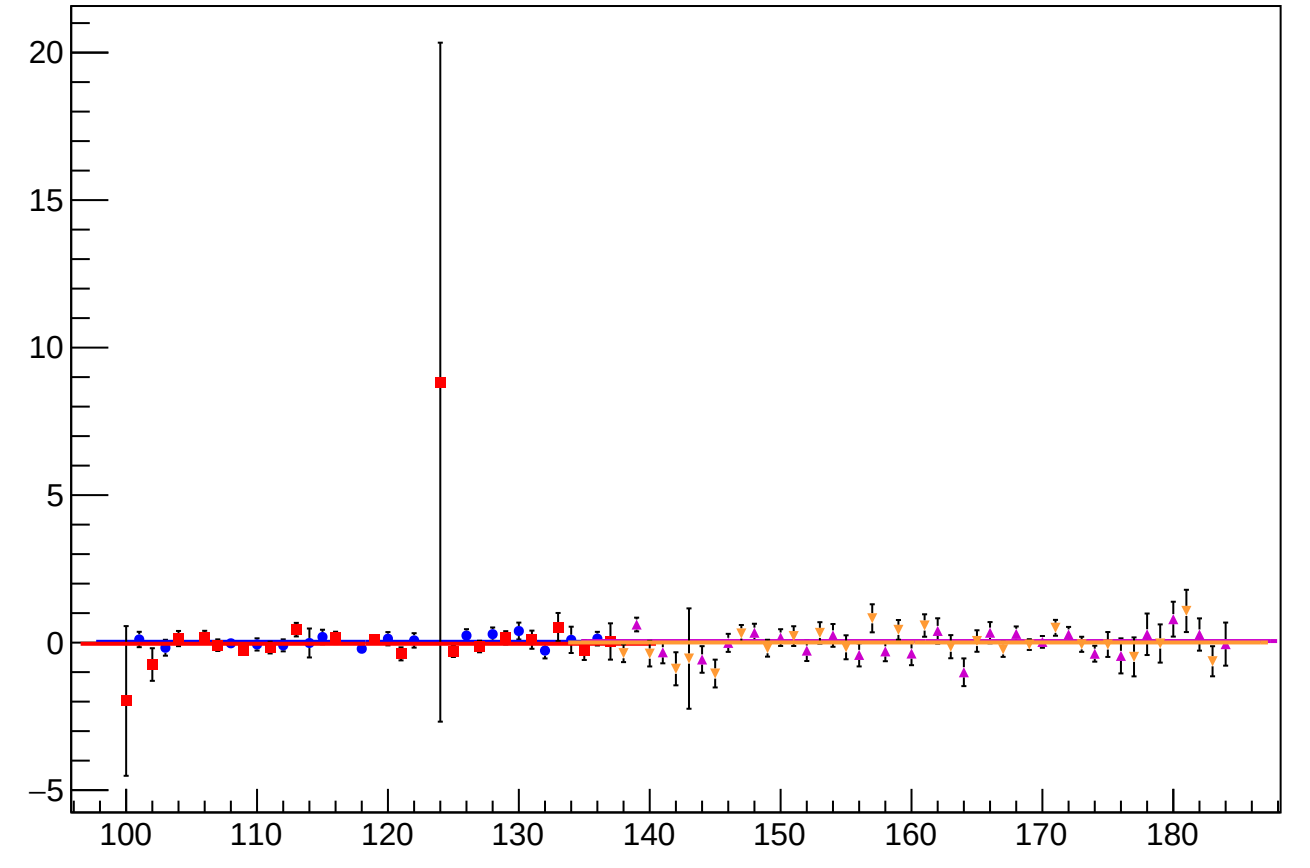
In: 4182.864+/-0.597 χ^2/NDF:1707199.7/38

Out: 3937.090+/-0.559 χ^2/NDF:2741300.5/42

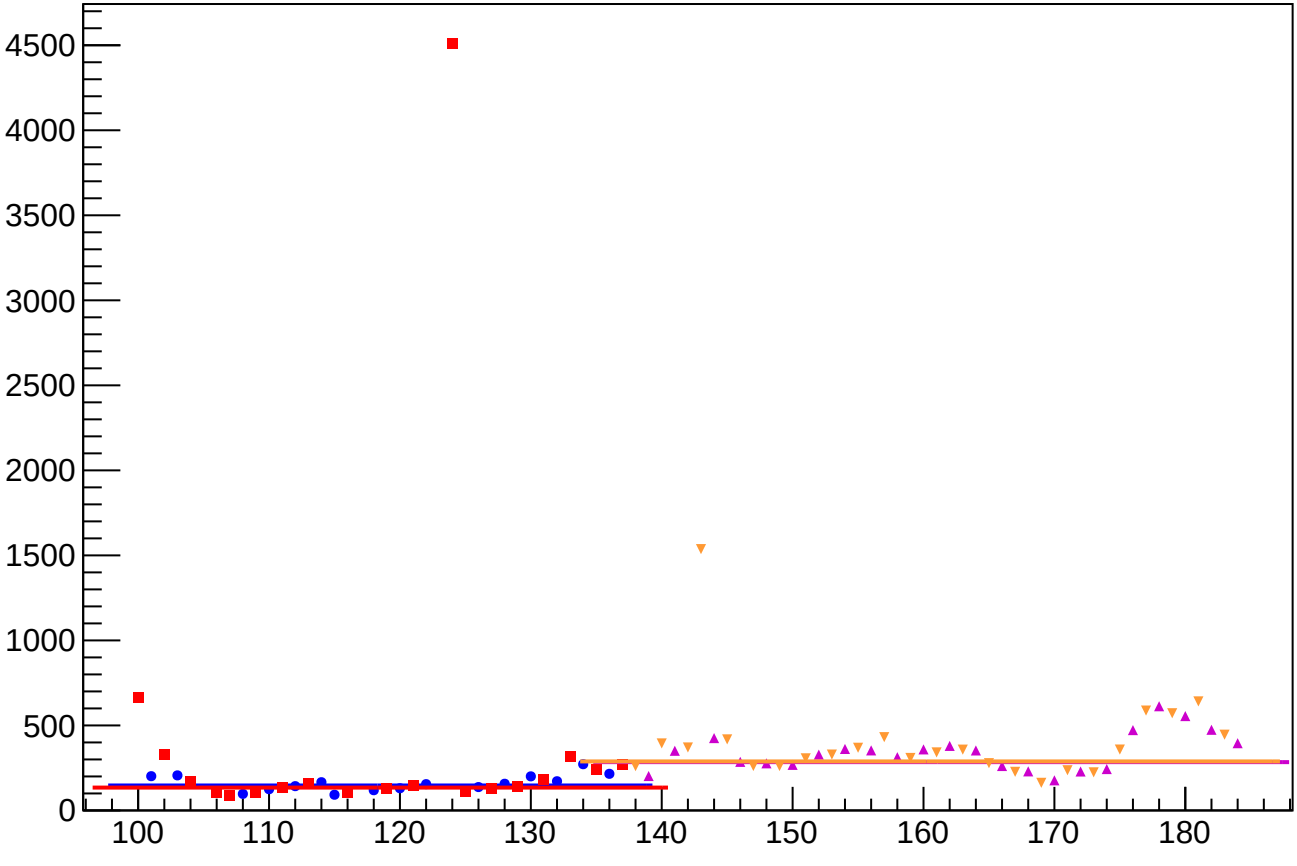
All: 4051.860+/-0.408 χ^2/NDF: 4538921.1/81


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:30.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:17.0/22
Left: 0.000+/-0.000 χ²/NDF: 47.8/46
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: 0.000+/-0.000 χ²/NDF:34.6/38
Out: 0.000+/-0.000 χ²/NDF:46.9/42
All: 0.000+/-0.000 χ²/NDF: 81.6/81


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:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4609540.7/46
Right: 0.000+/-0.000 χ²/NDF: 3204262.4/34
In: 0.000+/-0.000 χ²/NDF:3563581.8/38
Out: 0.000+/-0.000 χ²/NDF:5135059.3/42
All: 0.000+/-0.000 χ²/NDF: 8912820.2/81


asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
180
Right In: 0.028+/-0.058 χ²/NDF: 9.4/15
Left Out: 0.005+/-0.071 χ²/NDF:28.6/23
Right Out: -0.039+/-0.055 χ²/NDF: 20.0/18
Left In: 0.053+/-0.070 χ²/NDF:27.8/22
Left: 0.030+/-0.050 χ²/NDF: 56.6/46
Right: -0.007+/-0.040 χ²/NDF: 30.2/34
In: 0.038+/-0.045 χ²/NDF:37.3/38
Out: -0.023+/-0.043 χ²/NDF:48.9/42
All: 0.007+/-0.031 χ²/NDF: 87.1/81

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: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.221+/-0.035 χ^2/NDF: 7717028.4/46

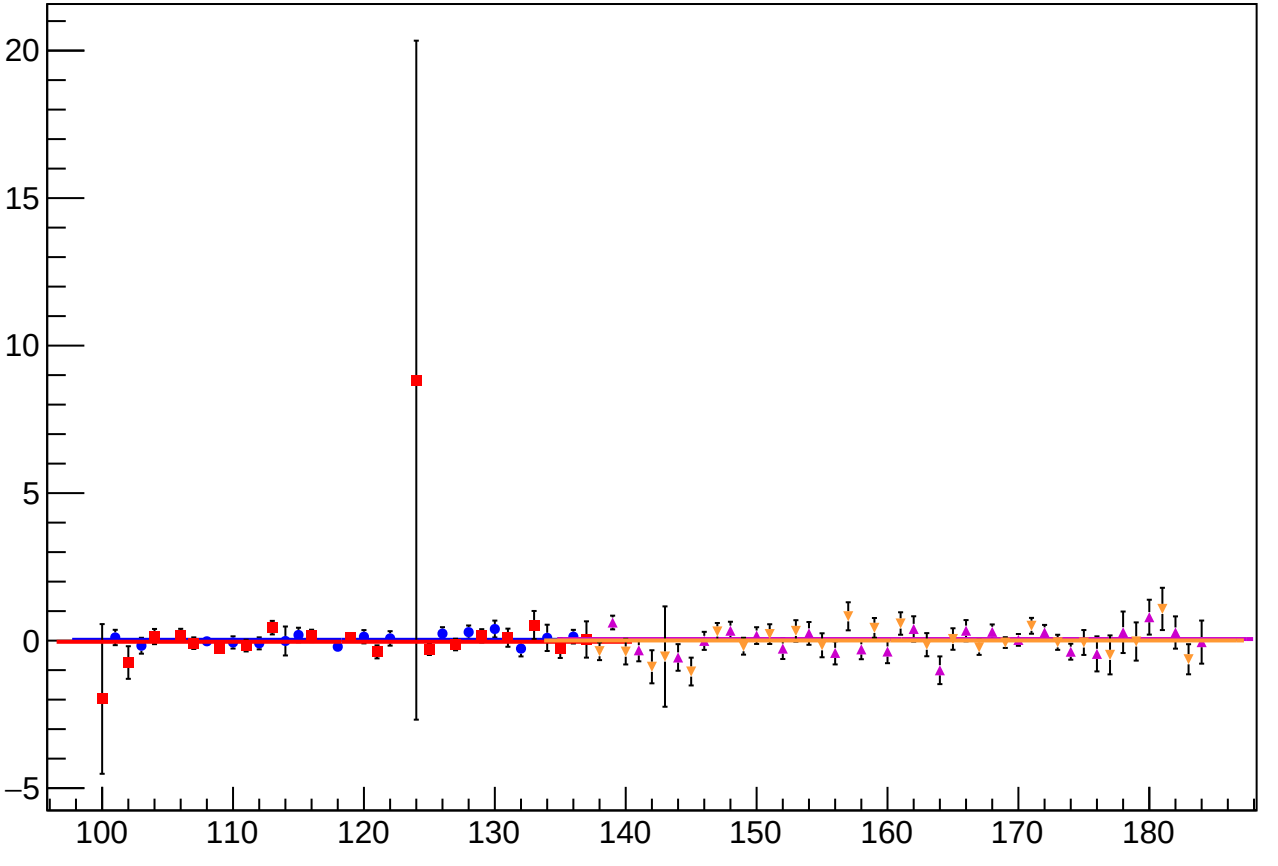
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 202.013+/-0.032 χ^2/NDF:8628760.9/38

Out: 191.482+/-0.031 χ^2/NDF:12084157.8/42

All: 196.609+/-0.022 χ^2/NDF: 20770073.2/81

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: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.030+/-0.050 χ^2/NDF: 56.6/46

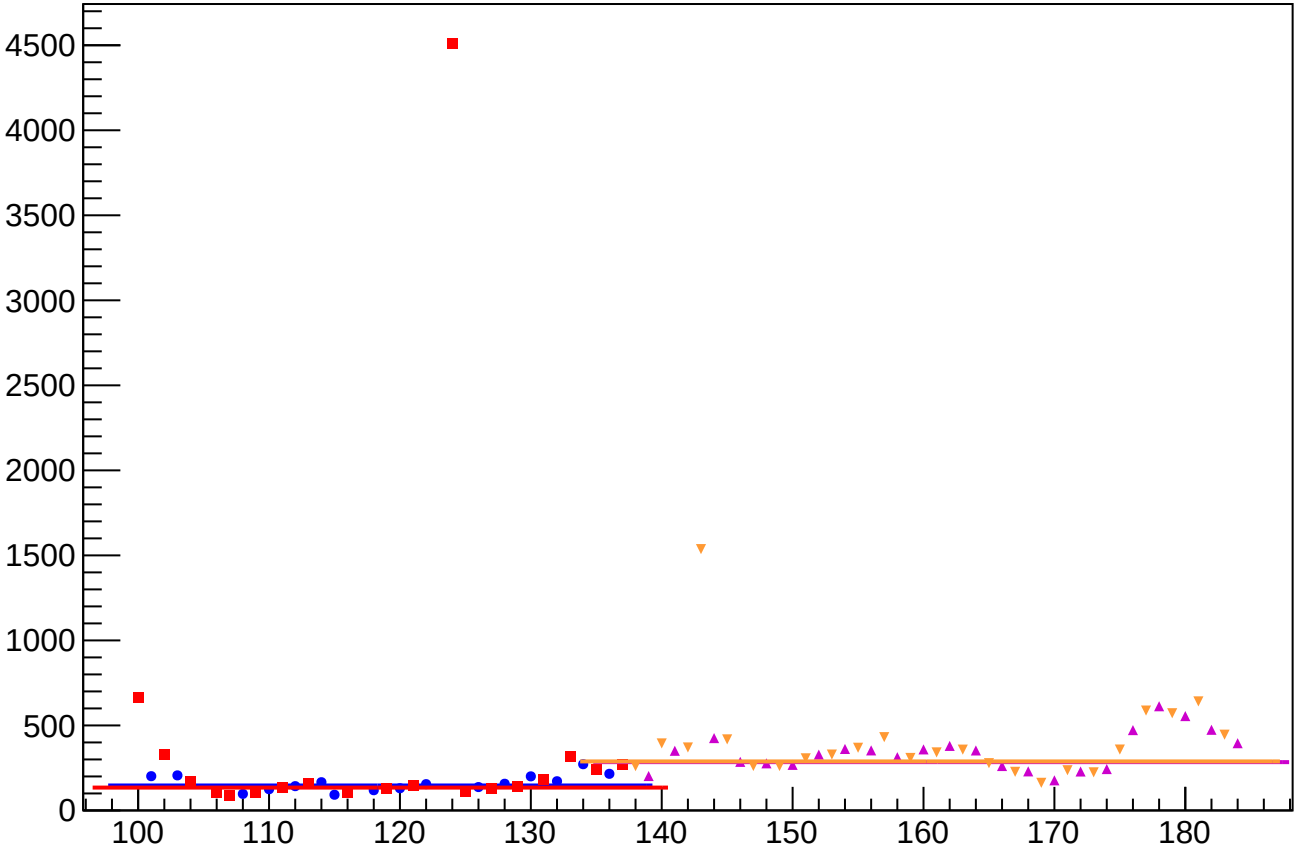
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/81

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: 284.168+/-0.050 χ^2/NDF:3077521.1/22

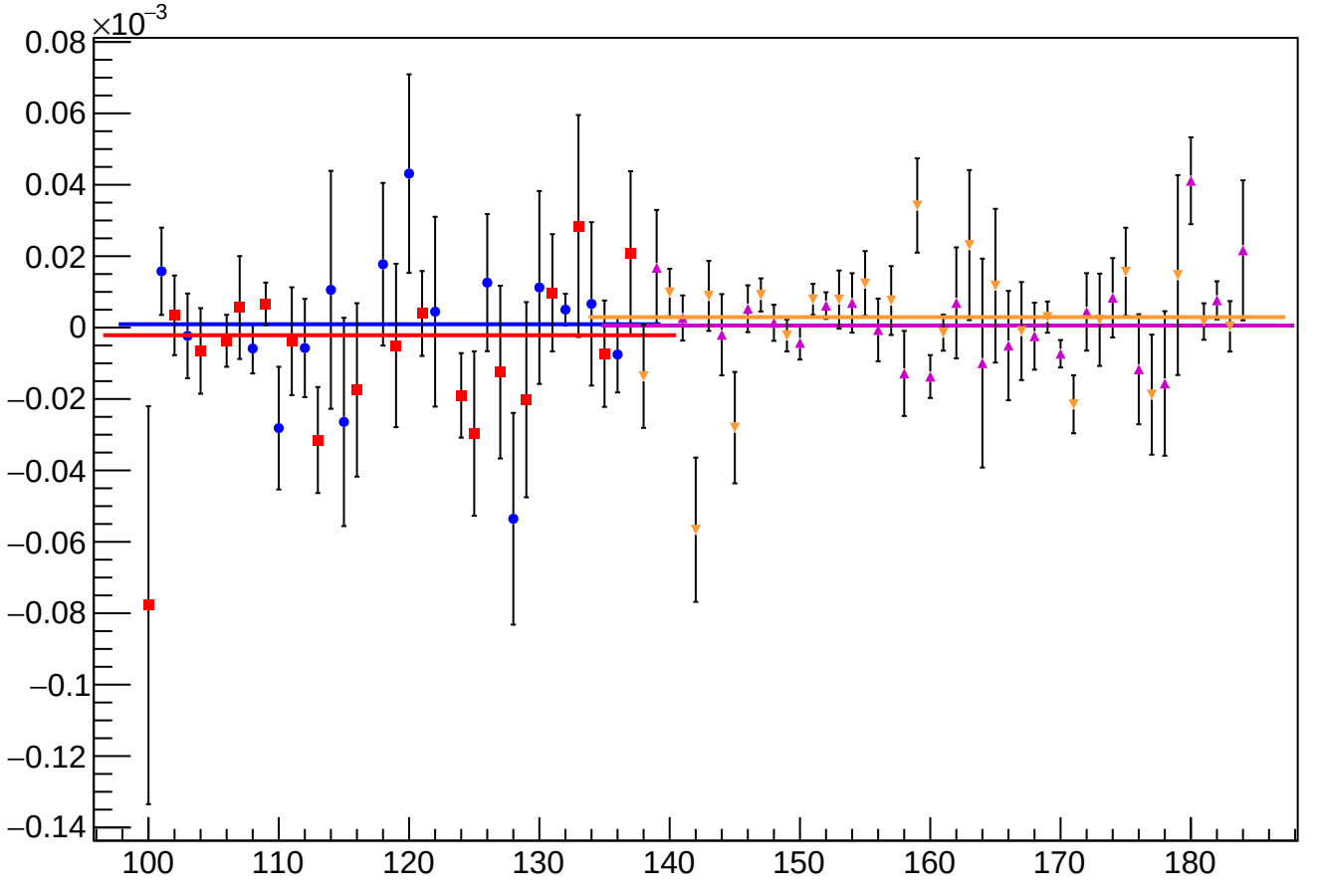
Left: 286.221+/-0.035 χ^2/NDF: 7717028.4/46

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 202.013+/-0.032 χ^2/NDF:8628760.9/38

Out: 191.482+/-0.031 χ^2/NDF:12084157.8/42

All: 196.609+/-0.022 χ^2/NDF: 20770073.2/81



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:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 75.5/46

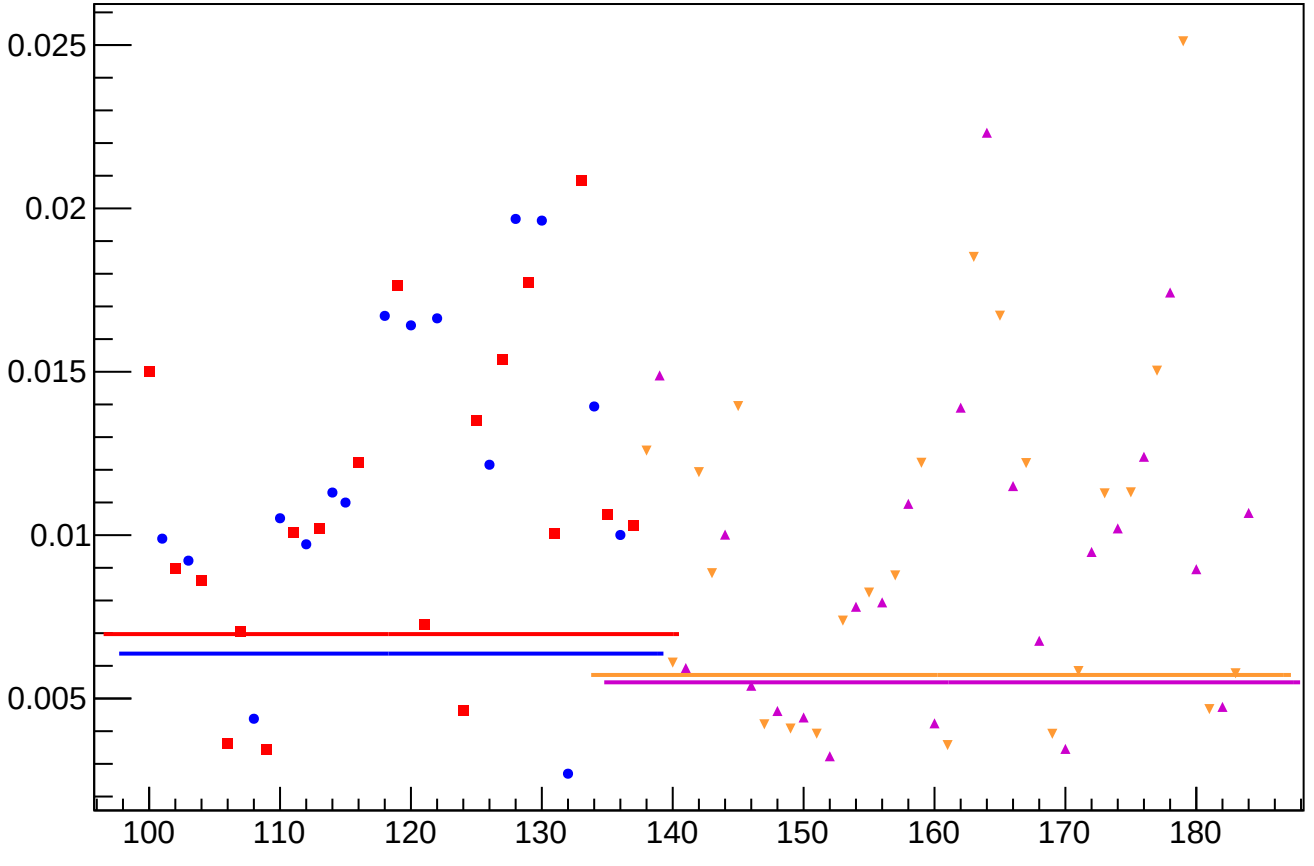
Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:48.1/38

Out: 0.000+/-0.000 χ^2/NDF:59.4/42

All: 0.000+/-0.000 χ^2/NDF: 107.9/81

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7997892.5/23

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 14957169.9/46

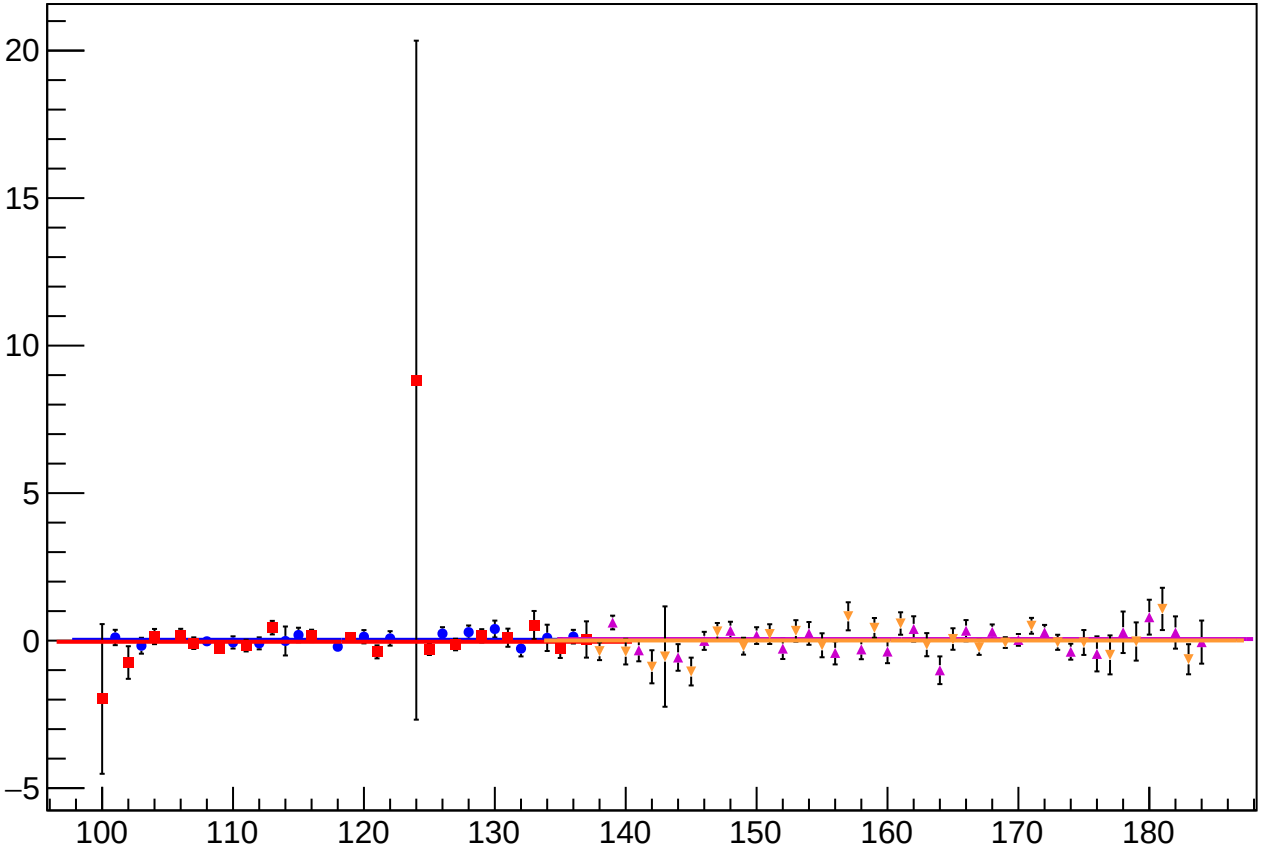
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11719179.9/38

Out: 0.006+/-0.000 χ^2/NDF:11681982.3/42

All: 0.006+/-0.000 χ^2/NDF: 23448540.6/81

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.030+/-0.050 χ^2/NDF: 56.6/46

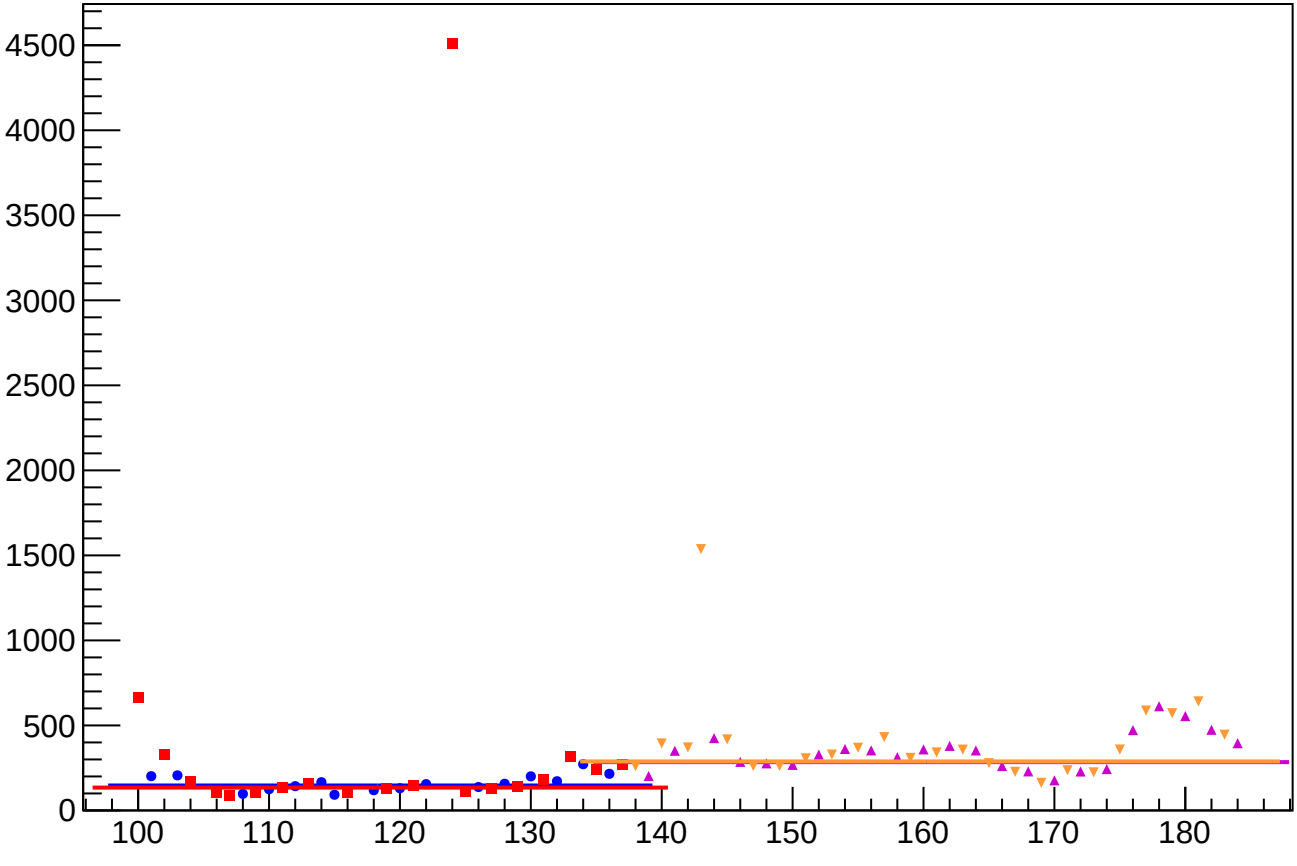
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/81

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: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.222+/-0.035 χ^2/NDF: 7717319.9/46

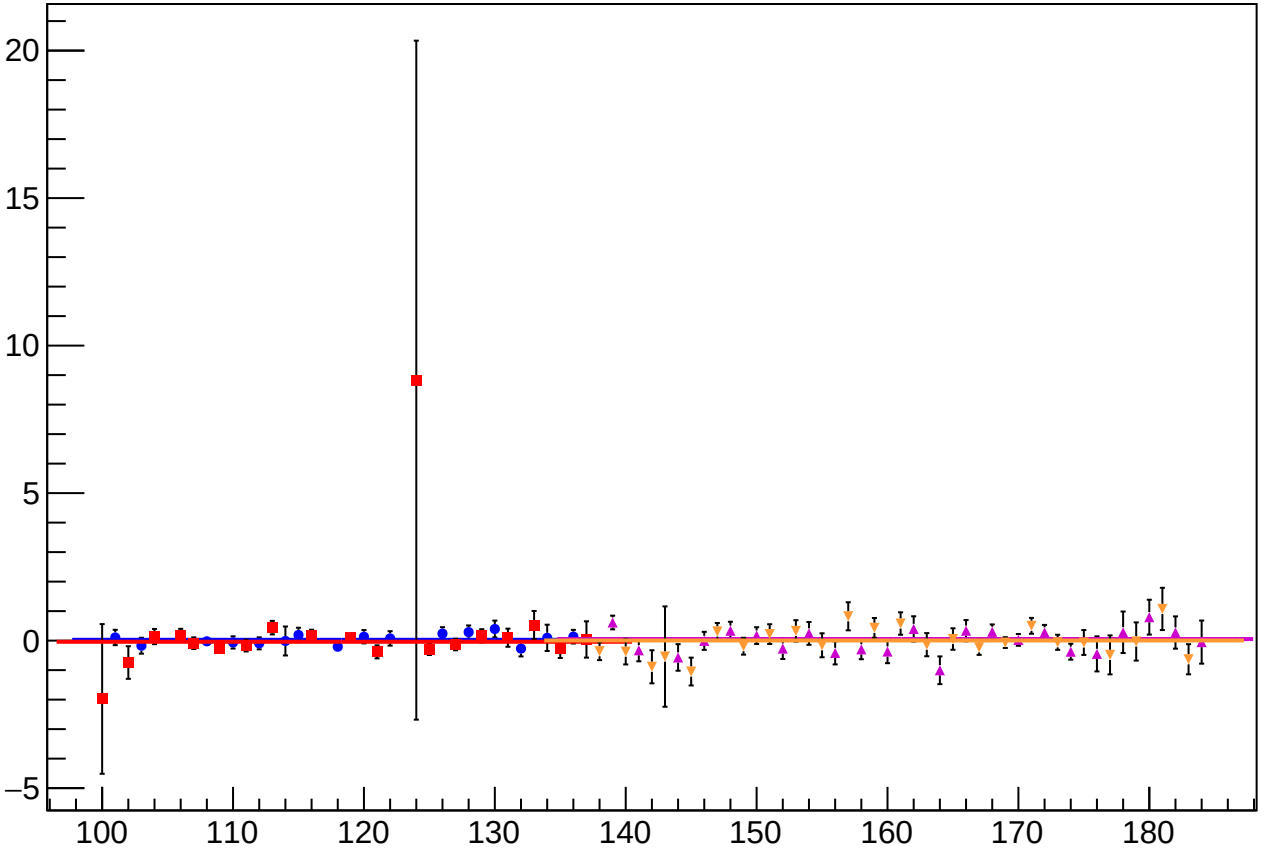
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 202.013+/-0.032 χ^2/NDF:8628882.9/38

Out: 191.483+/-0.031 χ^2/NDF:12084132.9/42

All: 196.609+/-0.022 χ^2/NDF: 20770157.8/81

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: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.030+/-0.050 χ^2/NDF: 56.6/46

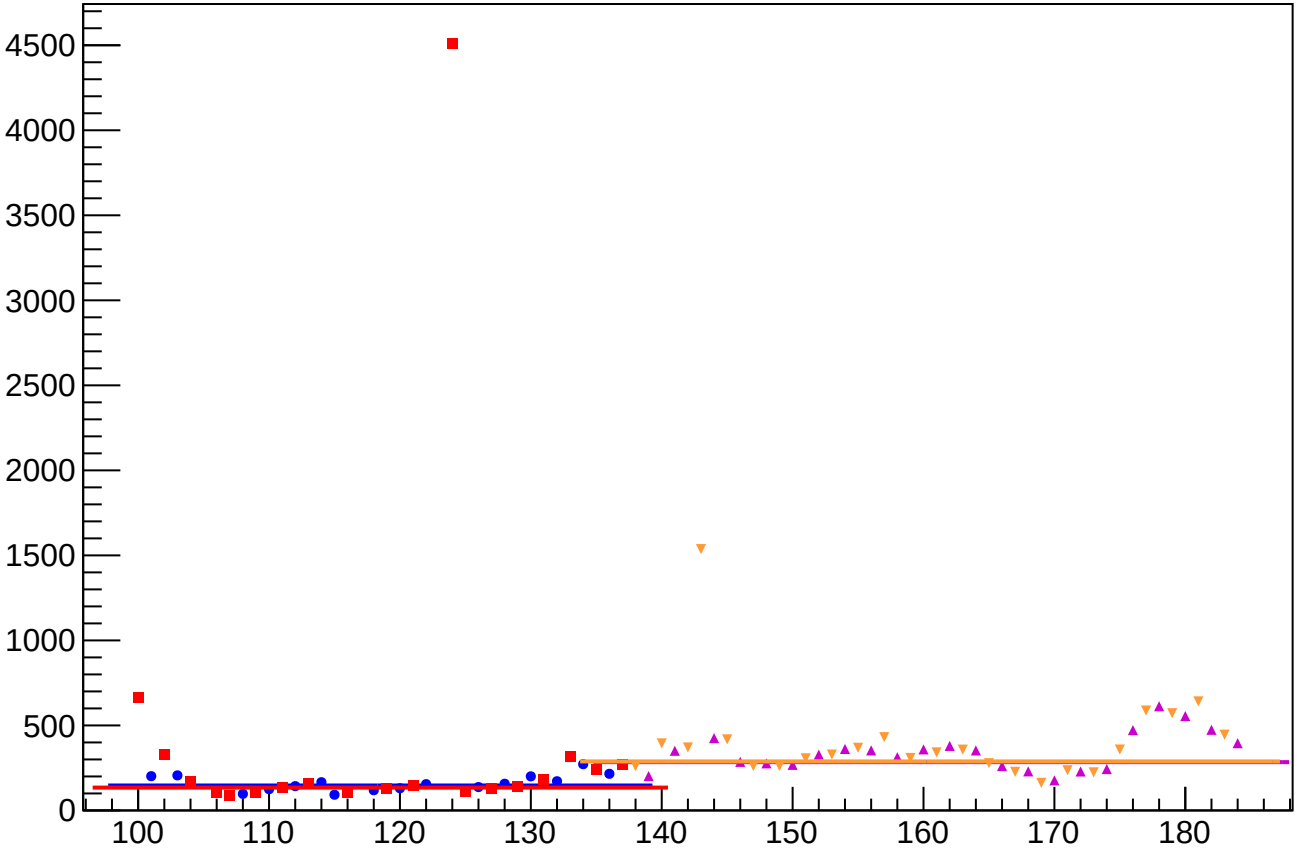
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/81

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: 284.170+/-0.050 χ^2/NDF:3077626.7/22

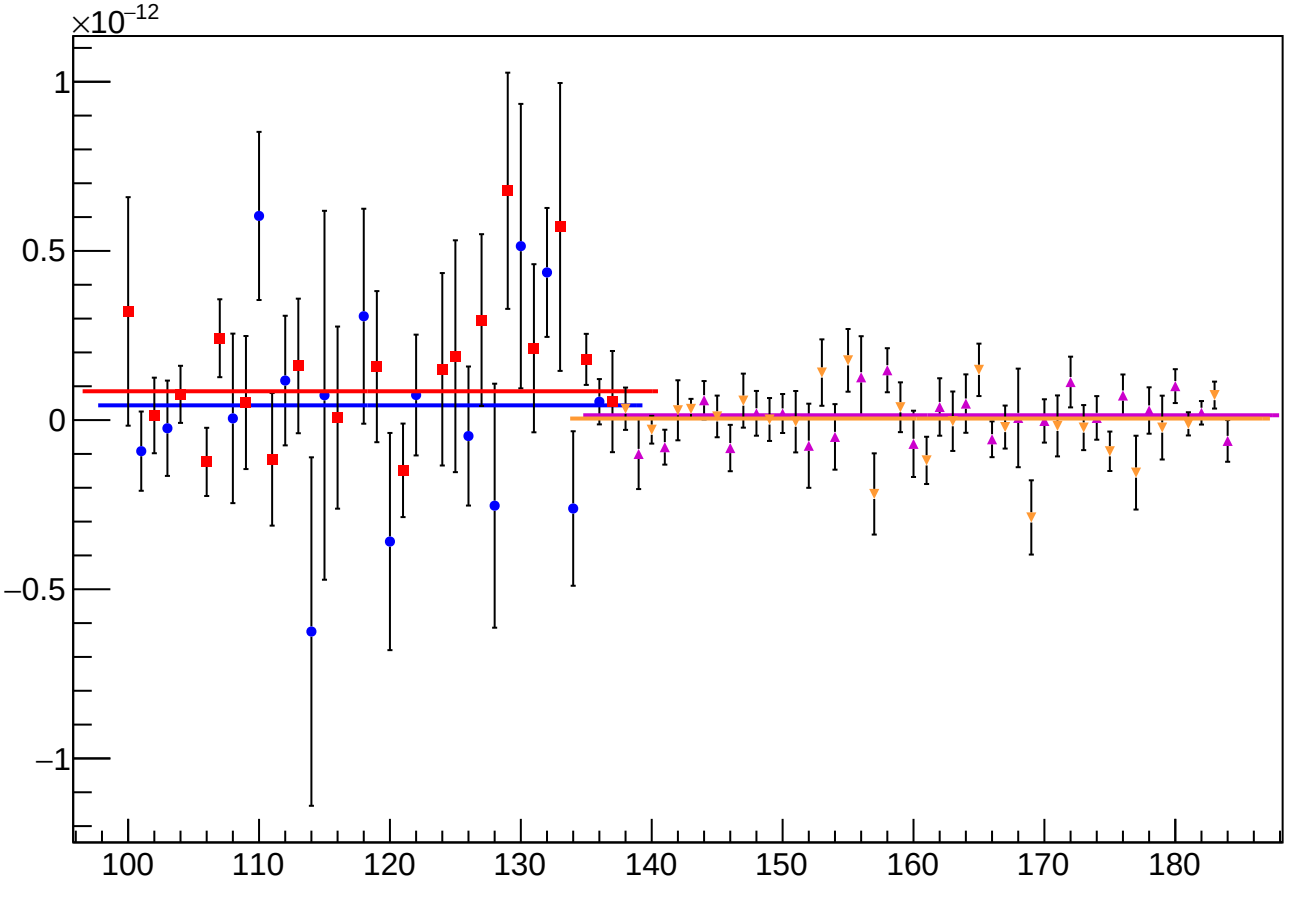
Left: 286.222+/-0.035 χ^2/NDF: 7717319.9/46

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 202.013+/-0.032 χ^2/NDF:8628882.9/38

Out: 191.483+/-0.031 χ^2/NDF:12084132.9/42

All: 196.609+/-0.022 χ^2/NDF: 20770157.8/81



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:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.1/46

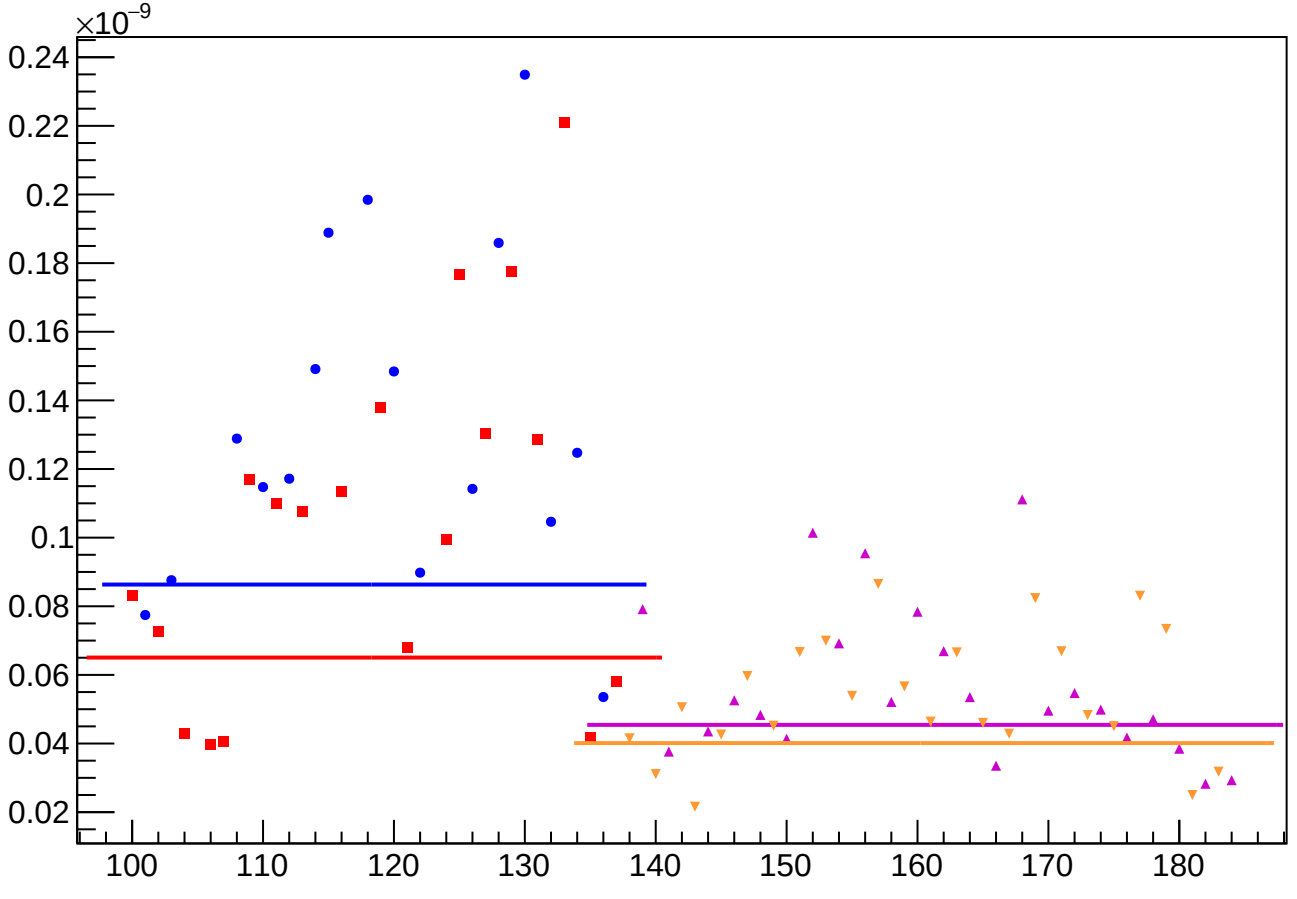
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:42.6/38

Out: 0.000+/-0.000 χ^2/NDF:56.8/42

All: 0.000+/-0.000 χ^2/NDF: 99.4/81

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:2780344.5/22

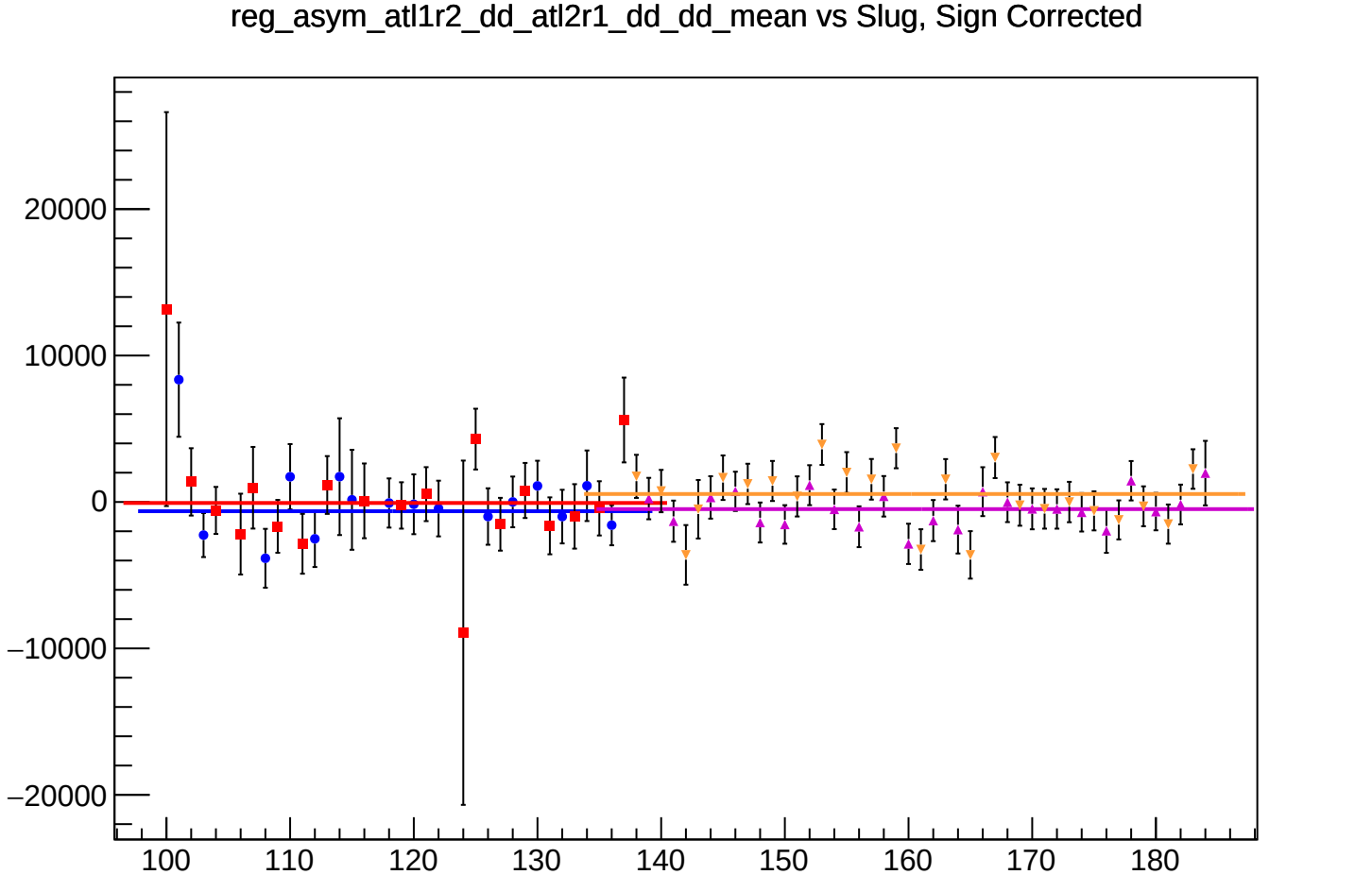
Left: 0.000+/-0.000 χ^2/NDF: 6556103.5/46

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:6009064.6/38

Out: 0.000+/-0.000 χ^2/NDF:6705937.3/42

All: 0.000+/-0.000 χ^2/NDF: 12967099.7/81



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: -486.821+/-293.769 χ^2/NDF:14.4/22

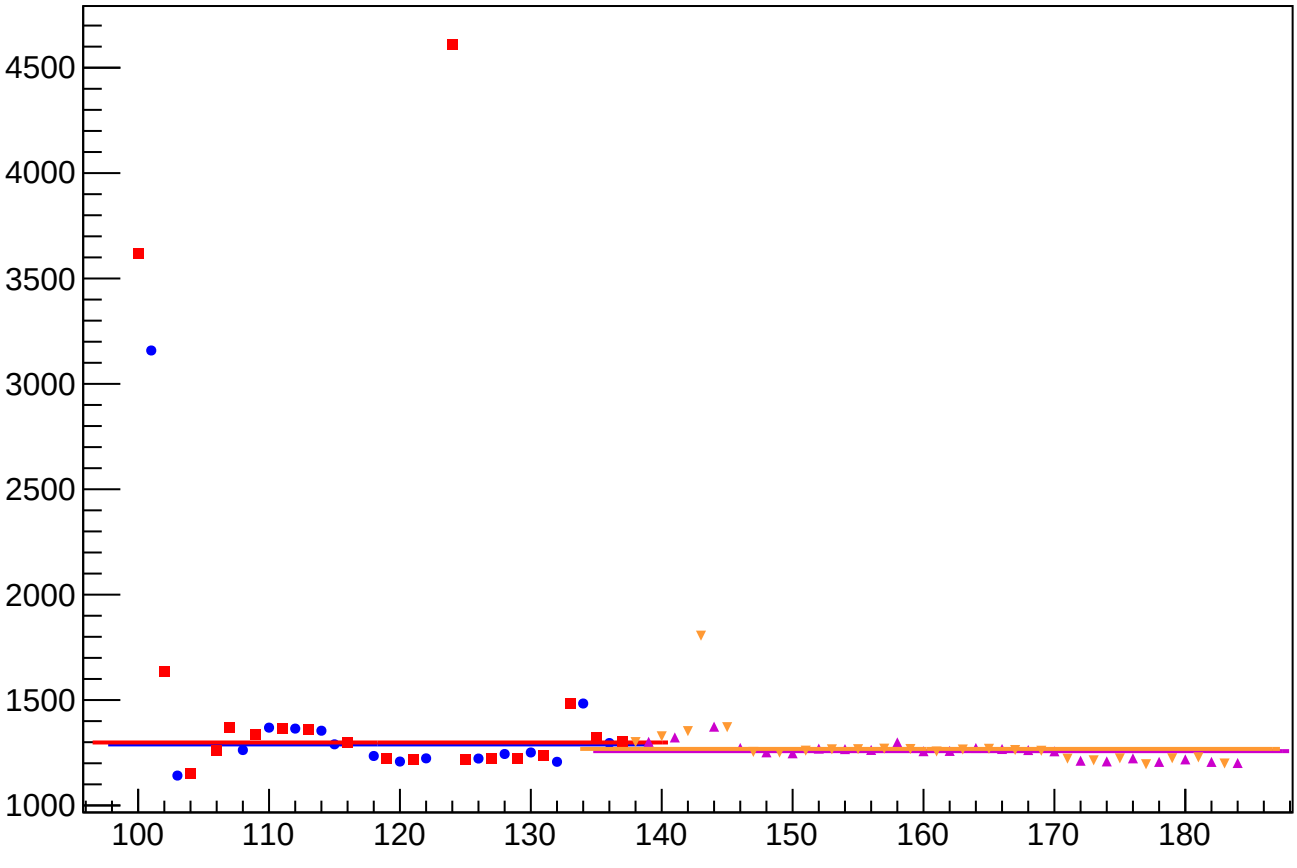
Left: 34.555+/-206.641 χ^2/NDF: 65.4/46

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -525.107+/-251.775 χ^2/NDF:28.4/38

Out: 384.539+/-249.730 χ^2/NDF:61.7/42

All: -66.575+/-177.304 χ^2/NDF: 96.7/81



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: 1257.551+/-0.208 χ^2/NDF:36816.4/22

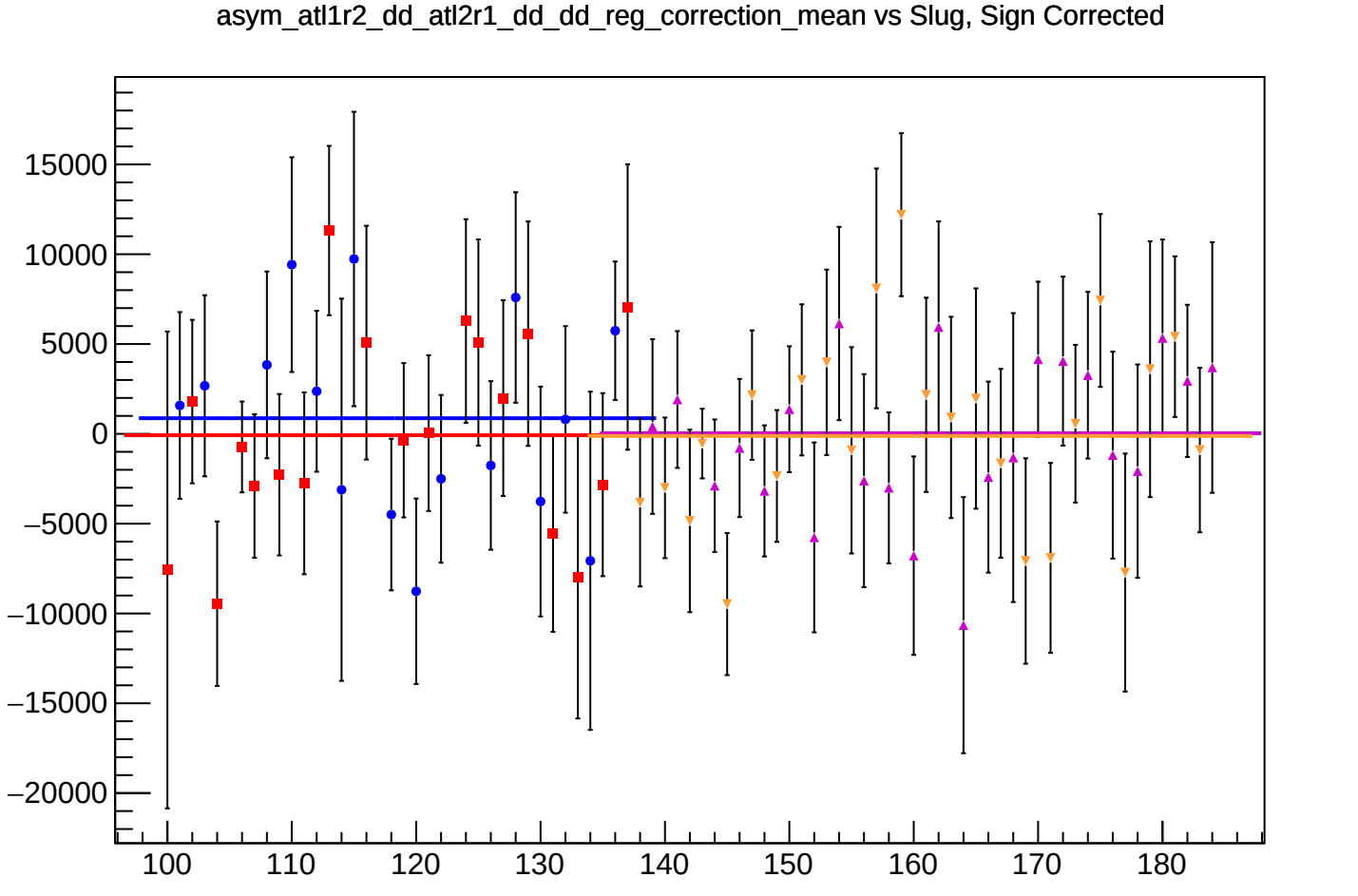
Left: 1262.922+/-0.146 χ^2/NDF: 223398.2/46

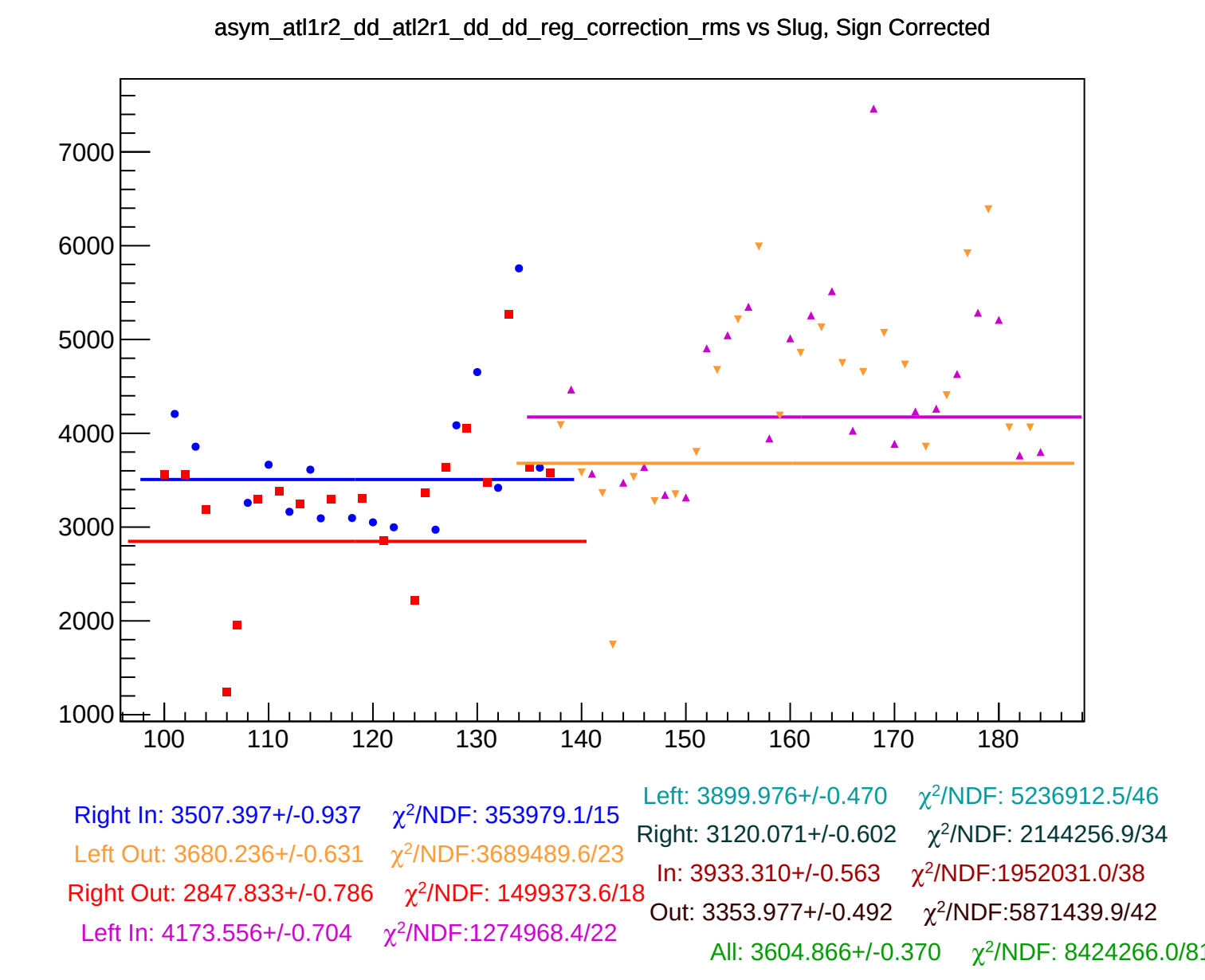
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

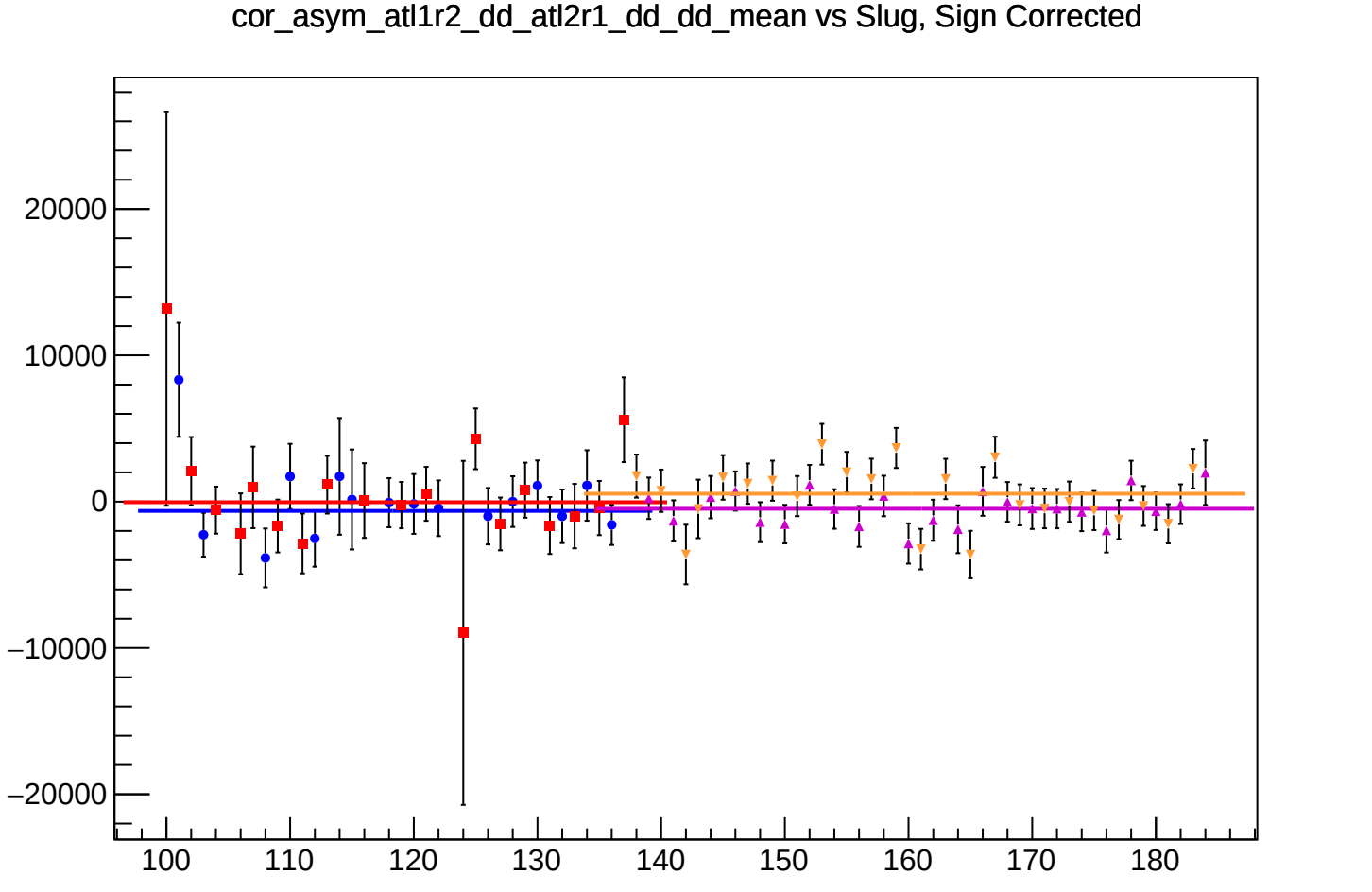
In: 1266.024+/-0.178 χ^2/NDF:557757.7/38

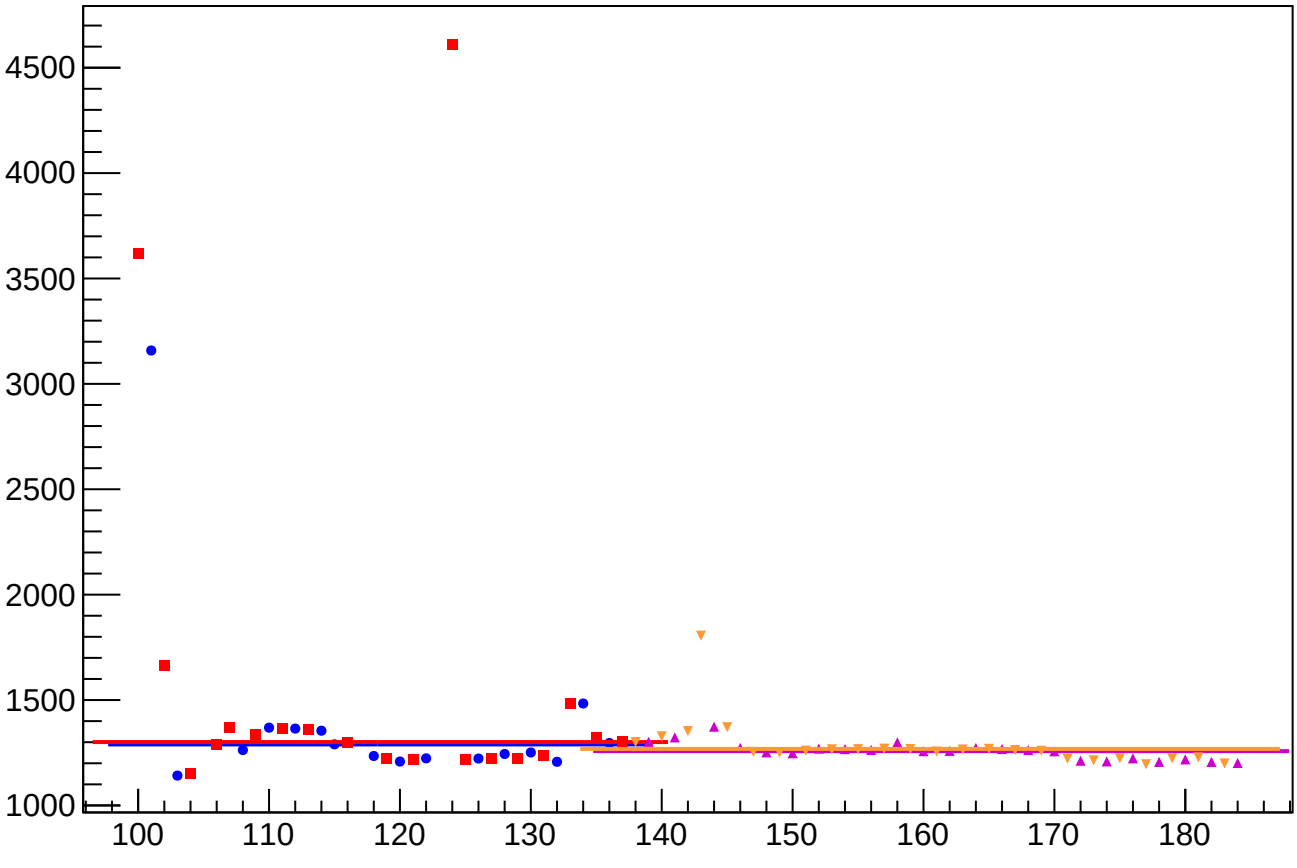
Out: 1276.202+/-0.176 χ^2/NDF:510415.6/42

All: 1271.158+/-0.125 χ^2/NDF: 1069822.0/81


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
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: 31.593+/-995.348 χ²/NDF:14.0/22
Left: -50.140+/-664.301 χ²/NDF: 41.8/46
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 334.066+/-795.878 χ²/NDF:28.3/38
Out: -100.711+/-695.597 χ²/NDF:46.1/42
All: 87.576+/-523.750 χ²/NDF: 74.6/81


asym_atl1r2_dd_atl2r1_dd_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: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 3680.236+/-0.631 χ²/NDF:3689489.6/23
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3899.976+/-0.470 χ²/NDF: 5236912.5/46
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3933.310+/-0.563 χ²/NDF:1952031.0/38
Out: 3353.977+/-0.492 χ²/NDF:5871439.9/42
All: 3604.866+/-0.370 χ²/NDF: 8424266.0/81


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: -486.720+/-293.769 χ²/NDF:14.4/22
Left: 34.616+/-206.641 χ²/NDF: 65.4/46
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -525.134+/-251.775 χ²/NDF:28.4/38
Out: 392.313+/-249.773 χ²/NDF:62.1/42
All: -62.750+/-177.320 χ²/NDF: 97.2/81



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: 1257.551+/-0.208 χ^2/NDF:36816.3/22

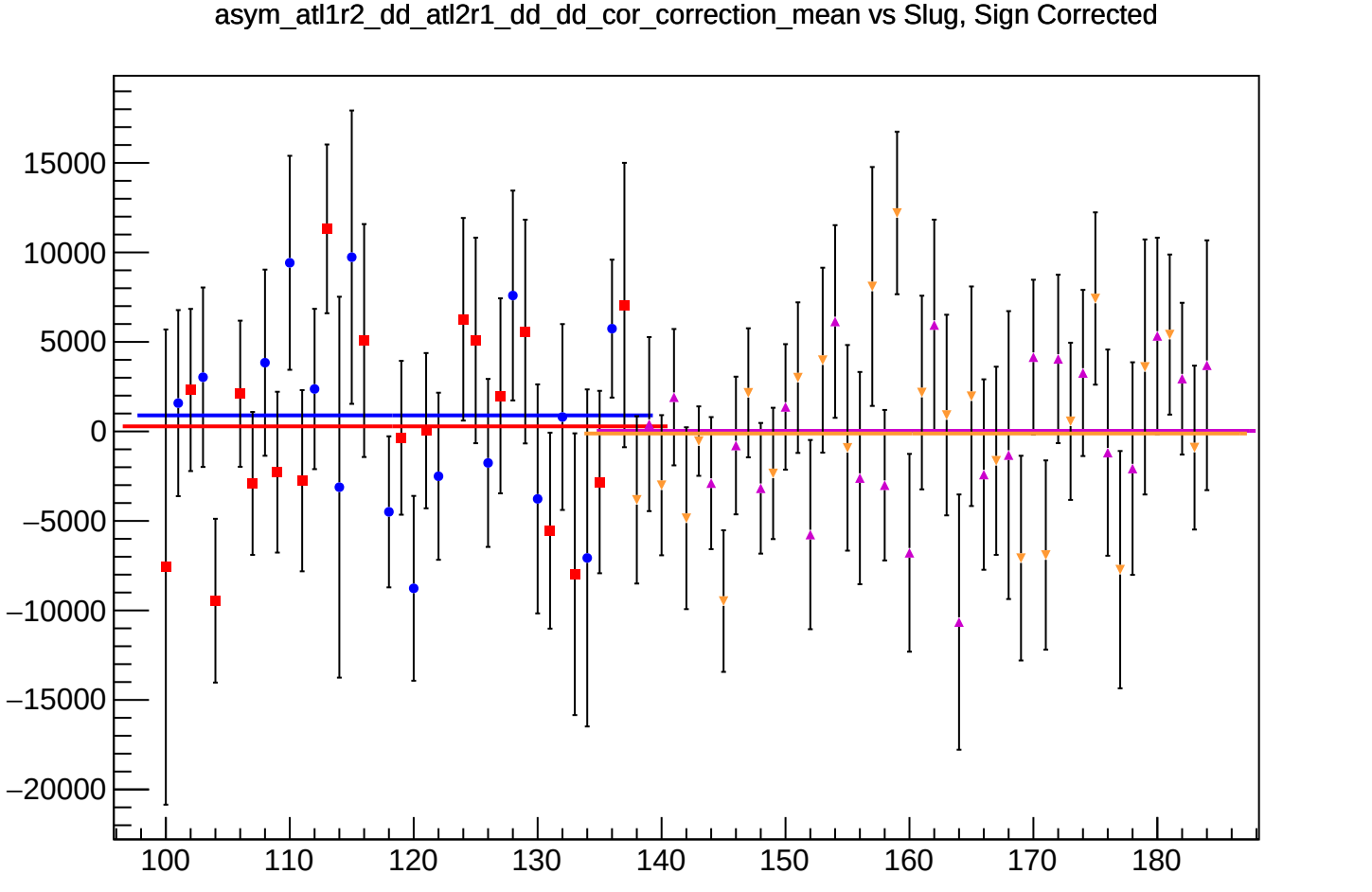
Left: 1262.923+/-0.146 χ^2/NDF: 223398.1/46

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.024+/-0.178 χ^2/NDF:557759.1/38

Out: 1276.718+/-0.177 χ^2/NDF:517729.9/42

All: 1271.416+/-0.125 χ^2/NDF: 1077308.3/81



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: 31.597+/-995.347 χ^2/NDF:14.0/22

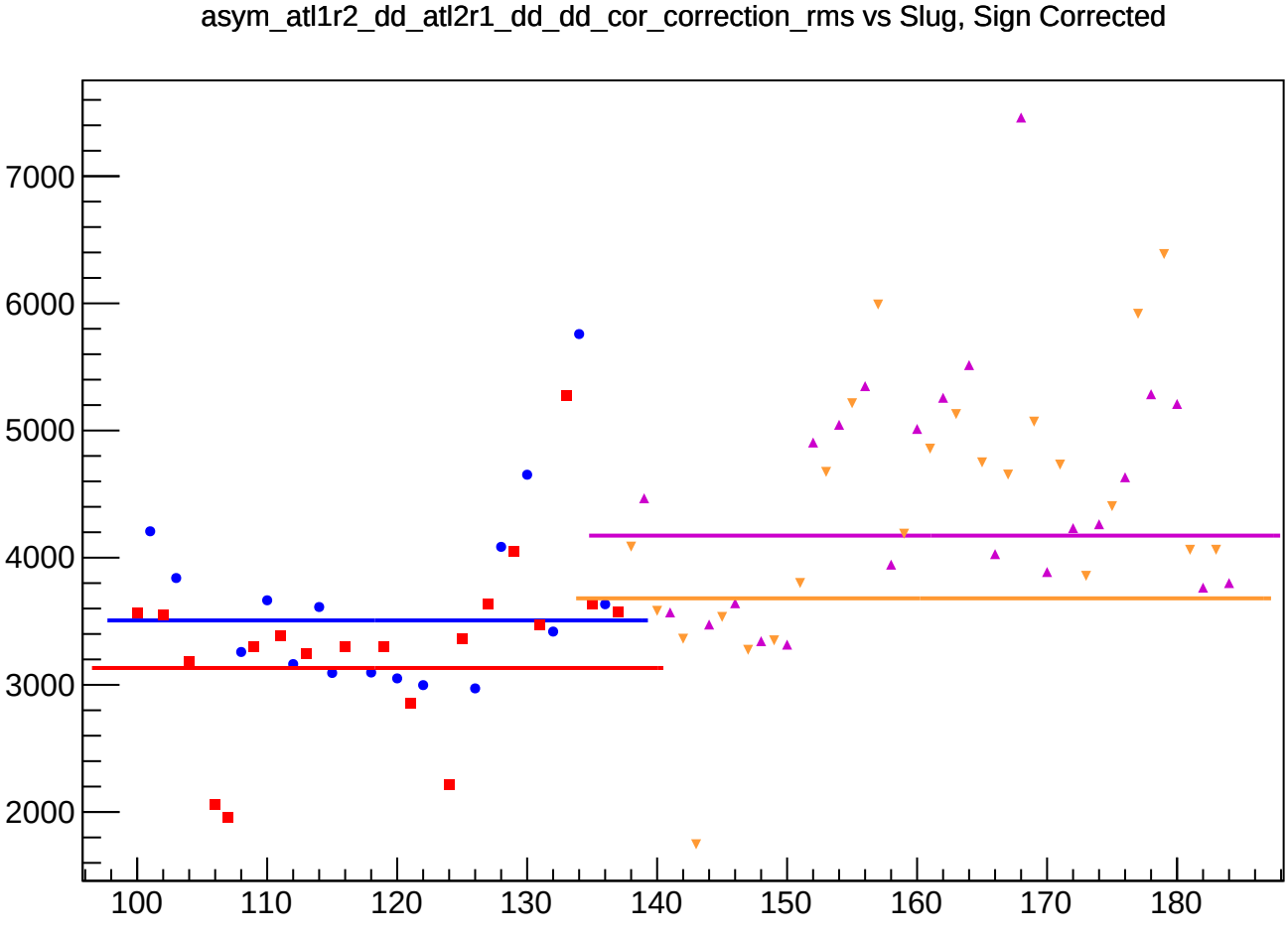
Left: -50.100+/-664.301 χ^2/NDF: 41.8/46

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 343.481+/-795.778 χ^2/NDF:28.4/38

Out: 29.134+/-712.285 χ^2/NDF:46.4/42

All: 168.957+/-530.734 χ^2/NDF: 74.9/81



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: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

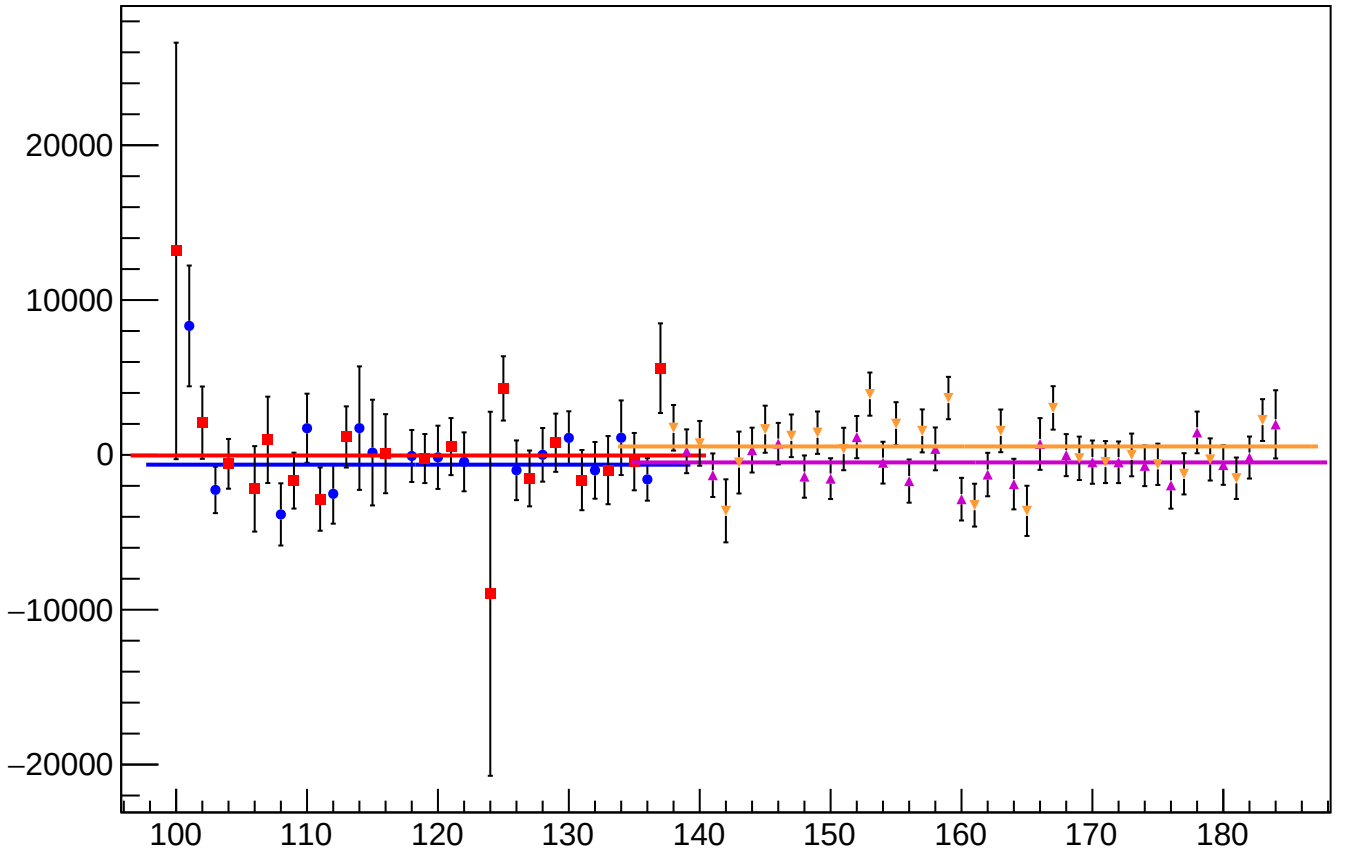
Left: 3899.969+/-0.470 χ^2/NDF: 5236953.4/46

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3932.871+/-0.563 χ^2/NDF:1952311.5/38

Out: 3481.752+/-0.504 χ^2/NDF:4612329.7/42

All: 3682.412+/-0.375 χ^2/NDF: 6921482.0/81



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: -486.720+/-293.769 χ^2/NDF:14.4/22

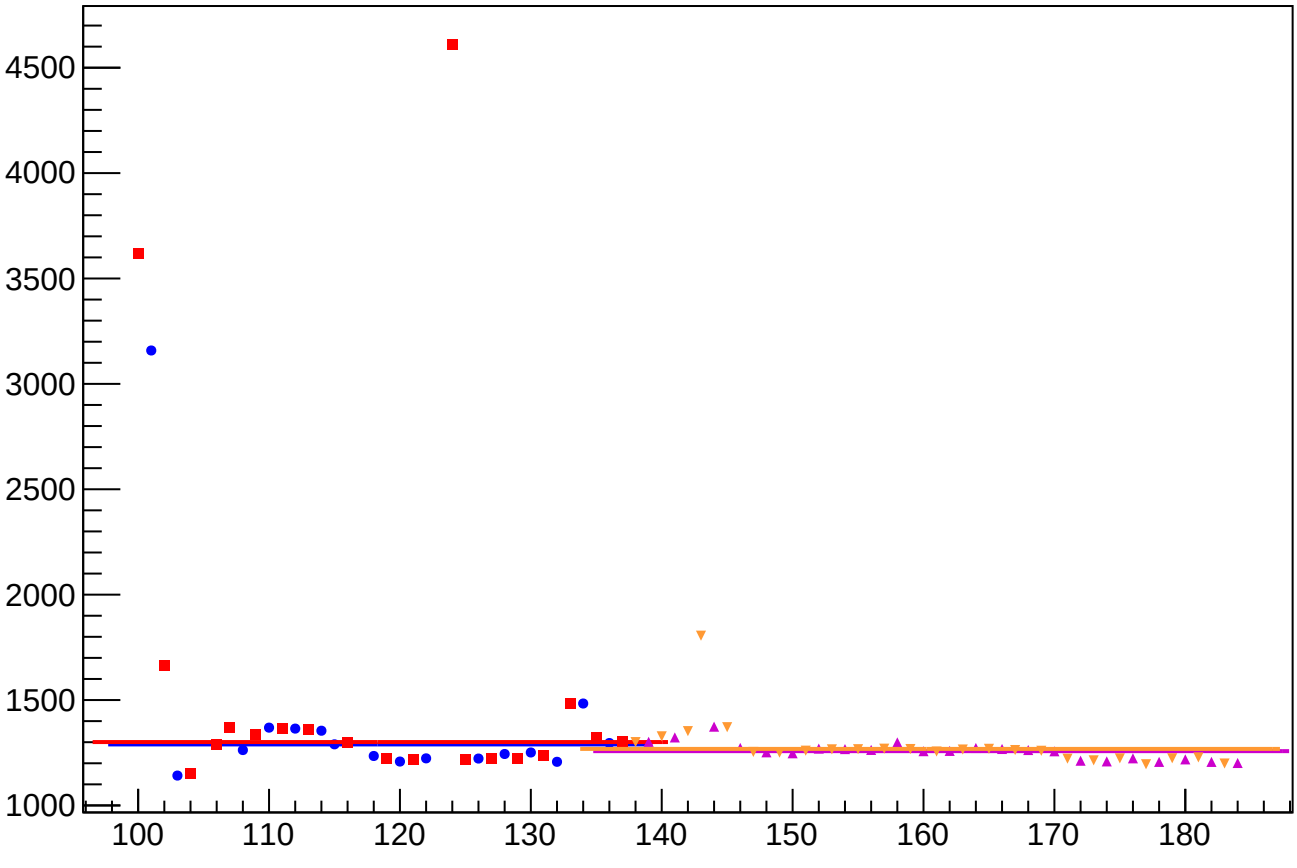
Left: 34.616+/-206.641 χ^2/NDF: 65.4/46

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -525.134+/-251.775 χ^2/NDF:28.4/38

Out: 392.313+/-249.773 χ^2/NDF:62.1/42

All: -62.750+/-177.320 χ^2/NDF: 97.2/81



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: 1257.551+/-0.208 χ^2/NDF:36816.3/22

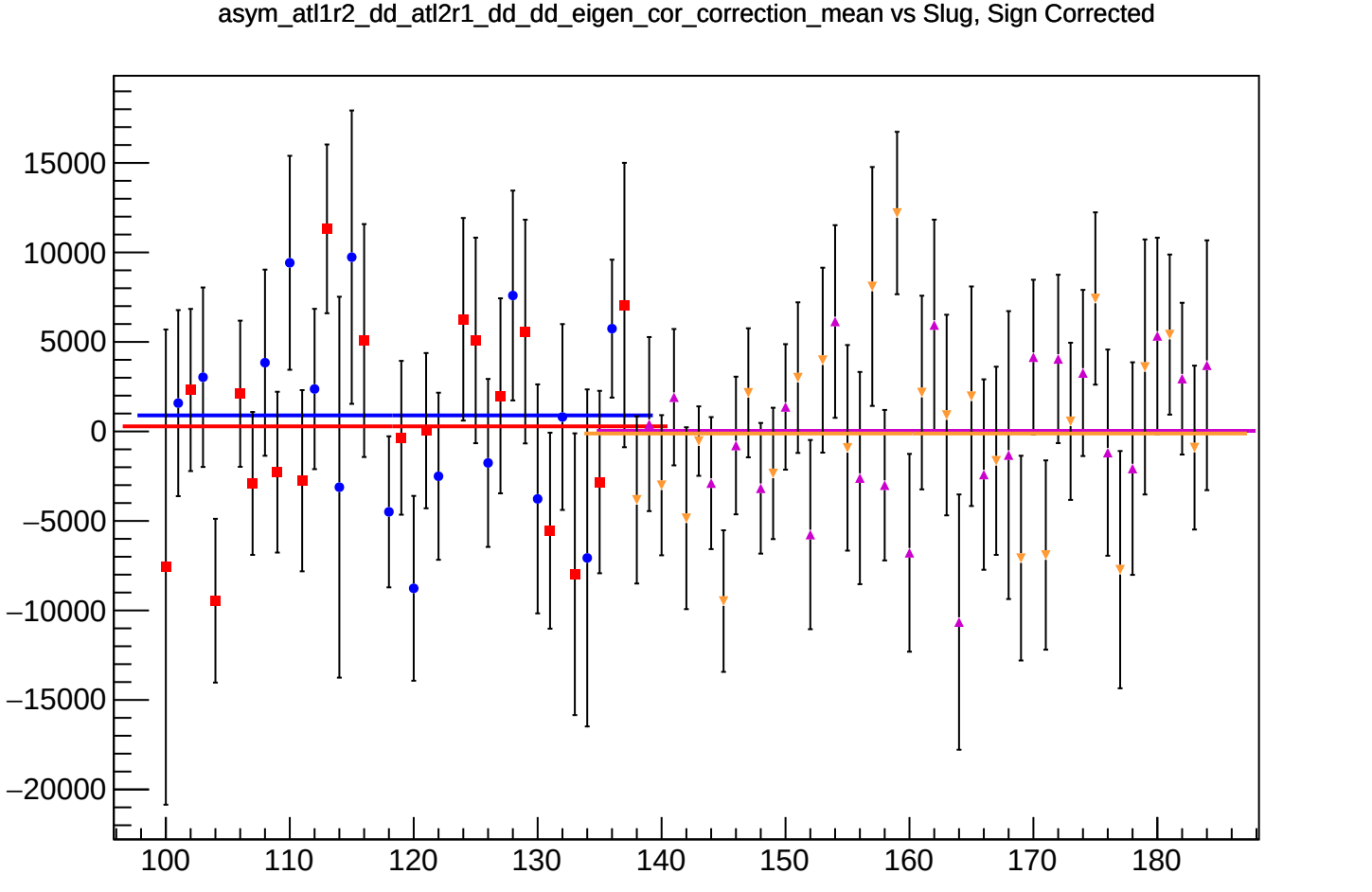
Left: 1262.923+/-0.146 χ^2/NDF: 223398.1/46

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1266.024+/-0.178 χ^2/NDF:557759.1/38

Out: 1276.718+/-0.177 χ^2/NDF:517729.9/42

All: 1271.416+/-0.125 χ^2/NDF: 1077308.3/81



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: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: -50.100+/-664.301 χ^2/NDF: 41.8/46

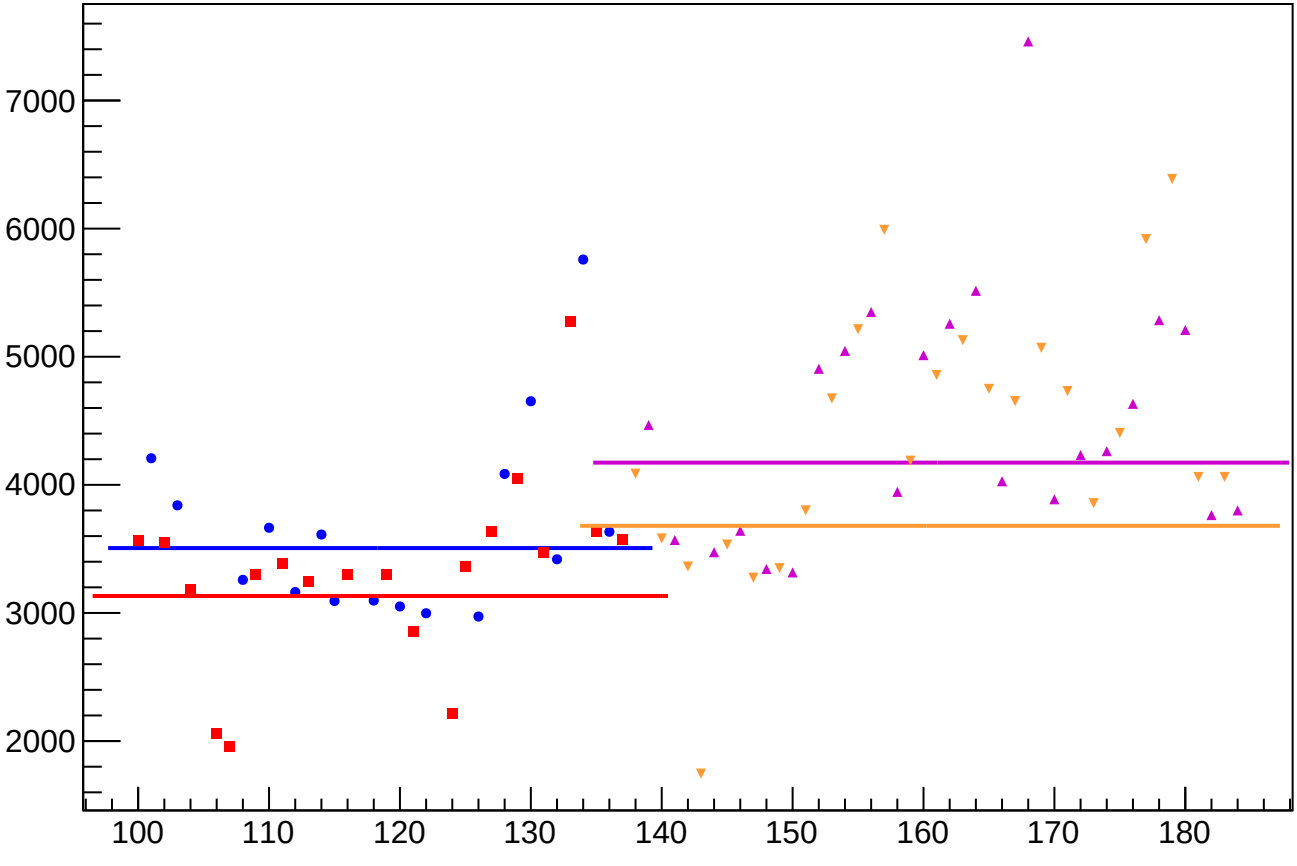
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 343.481+/-795.778 χ^2/NDF:28.4/38

Out: 29.134+/-712.285 χ^2/NDF:46.4/42

All: 168.957+/-530.734 χ^2/NDF: 74.9/81

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: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

Left: 3899.969+/-0.470 χ^2/NDF: 5236953.4/46

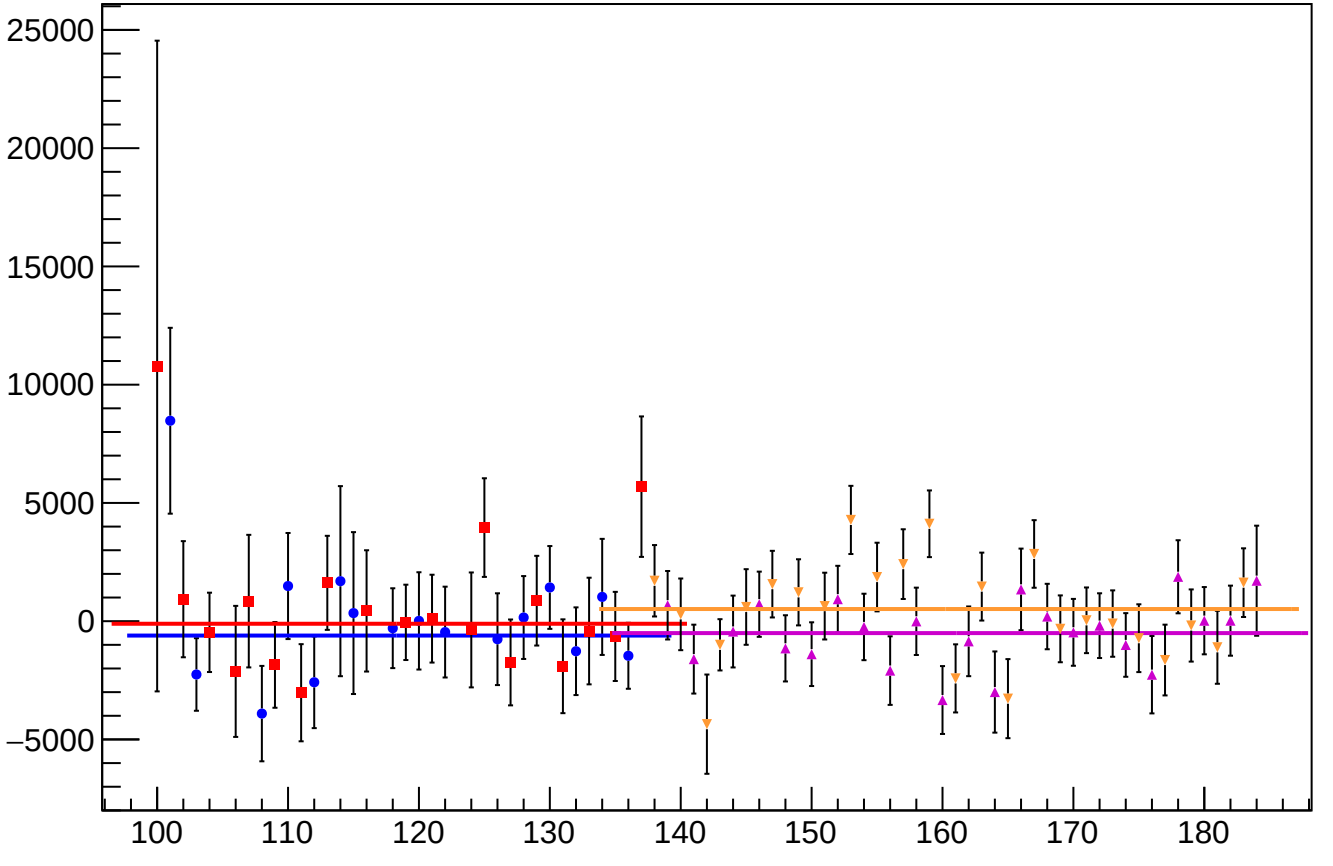
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3932.871+/-0.563 χ^2/NDF:1952311.5/38

Out: 3481.752+/-0.504 χ^2/NDF:4612329.7/42

All: 3682.412+/-0.375 χ^2/NDF: 6921482.0/81

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: -503.558+/-307.055 χ^2/NDF:17.4/22

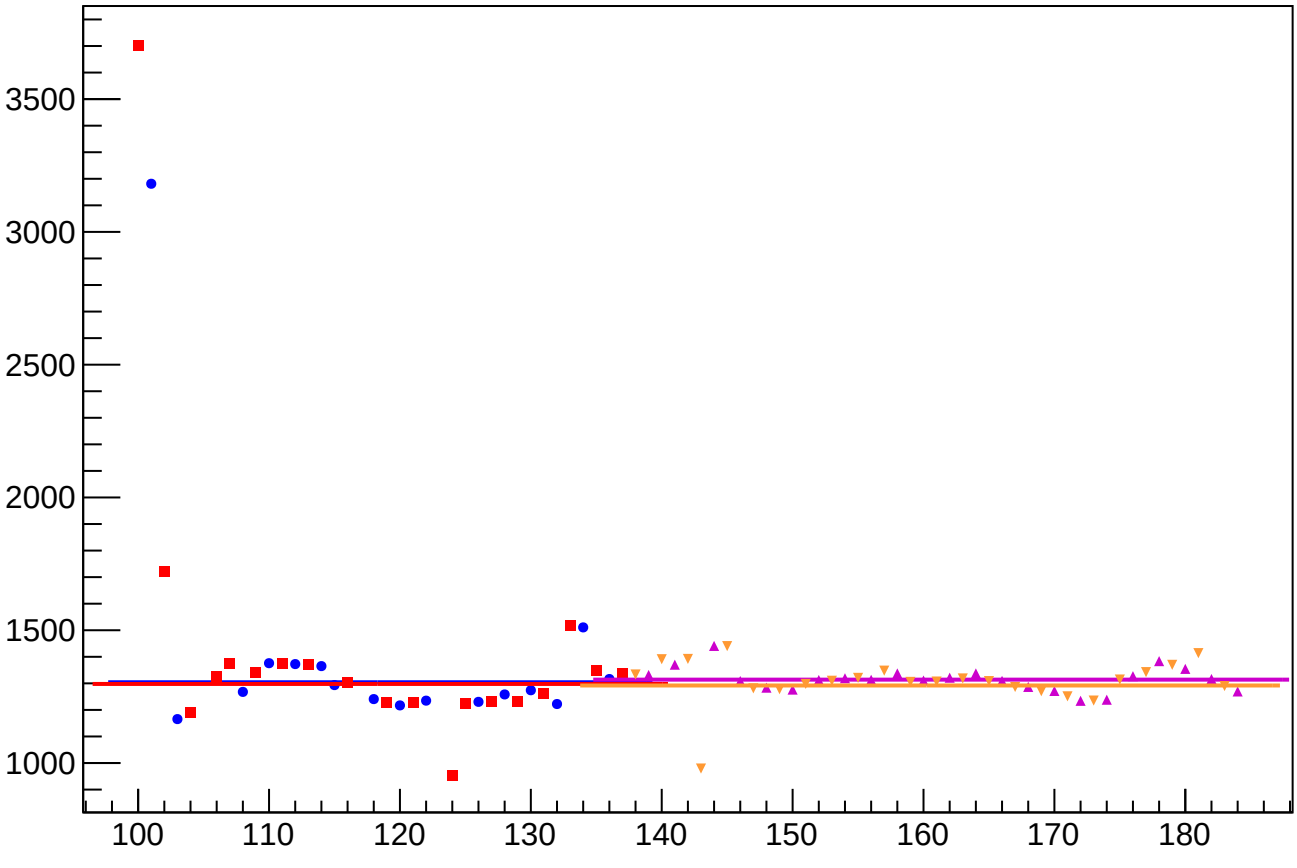
Left: 23.236+/-213.268 χ^2/NDF: 65.5/46

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -532.602+/-260.810 χ^2/NDF:31.5/38

Out: 345.111+/-253.012 χ^2/NDF:58.5/42

All: -80.427+/-181.601 χ^2/NDF: 95.9/81



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: 1314.006+/-0.217 χ^2/NDF:43044.7/22

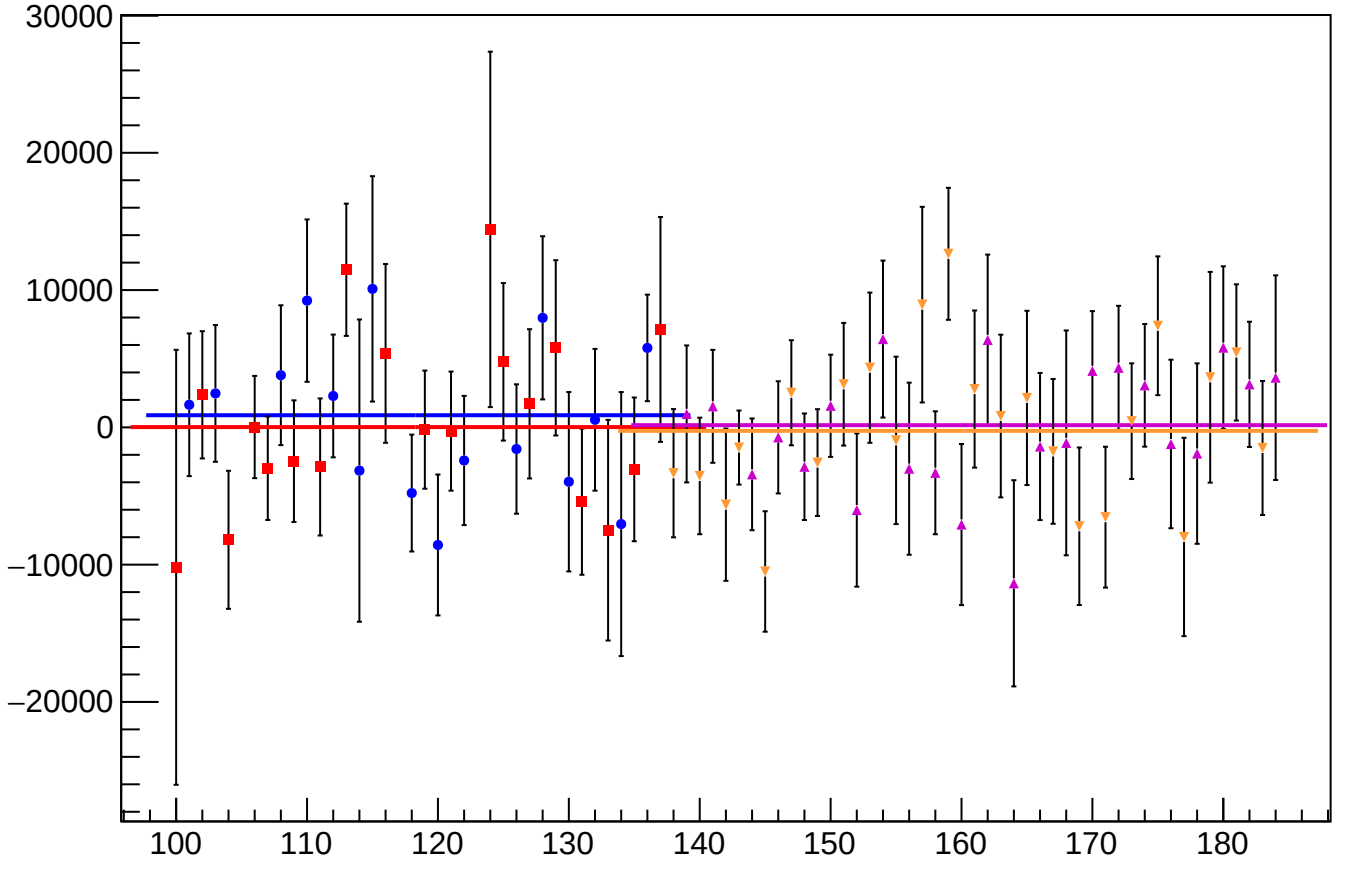
Left: 1302.618+/-0.151 χ^2/NDF: 278115.6/46

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1311.247+/-0.184 χ^2/NDF:554213.6/38

Out: 1293.579+/-0.179 χ^2/NDF:443060.7/42

All: 1302.143+/-0.128 χ^2/NDF: 1002003.8/81



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: 159.452+/-1045.510 χ^2/NDF:13.8/22

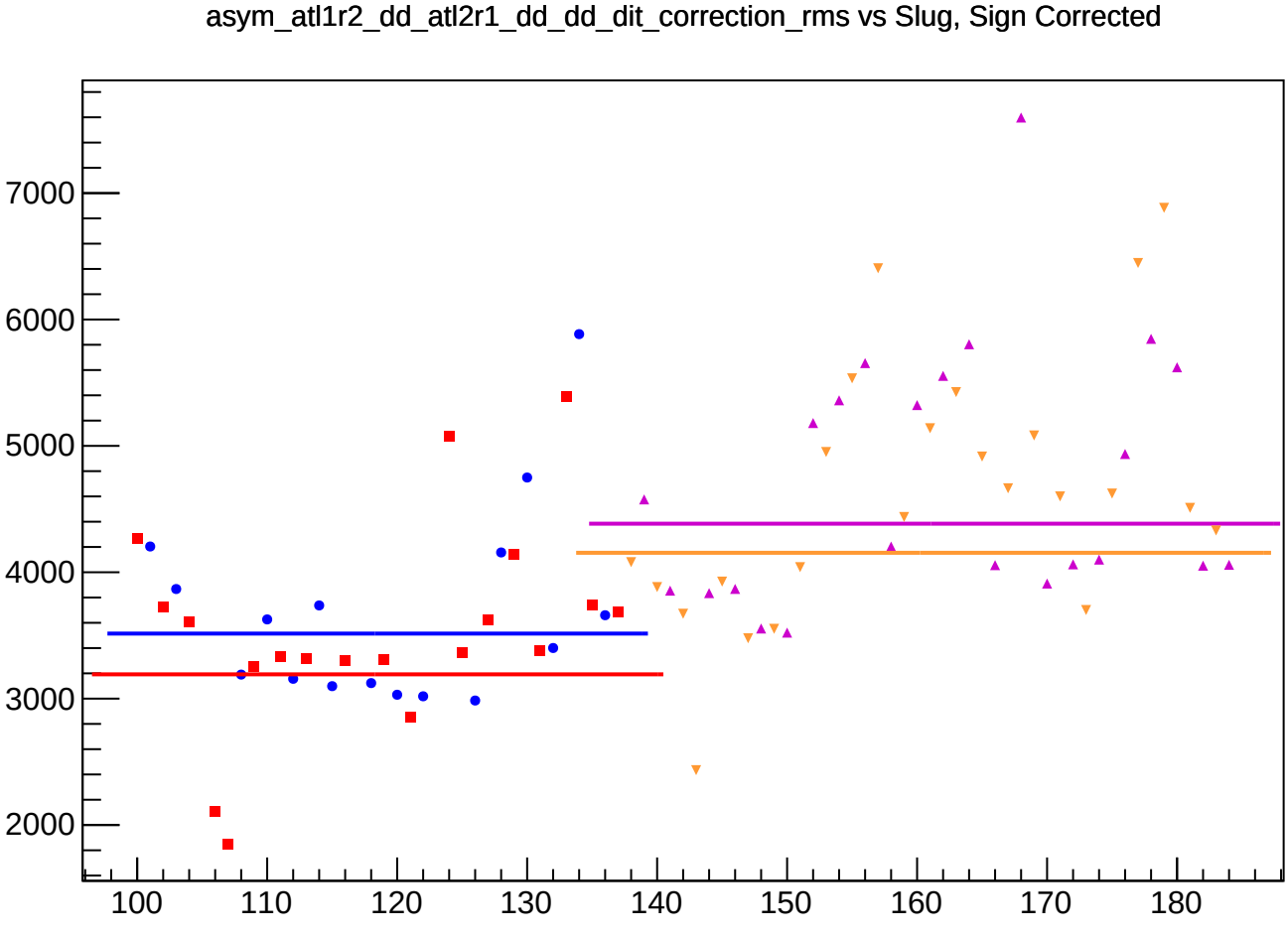
Left: -59.965+/-716.426 χ^2/NDF: 41.2/46

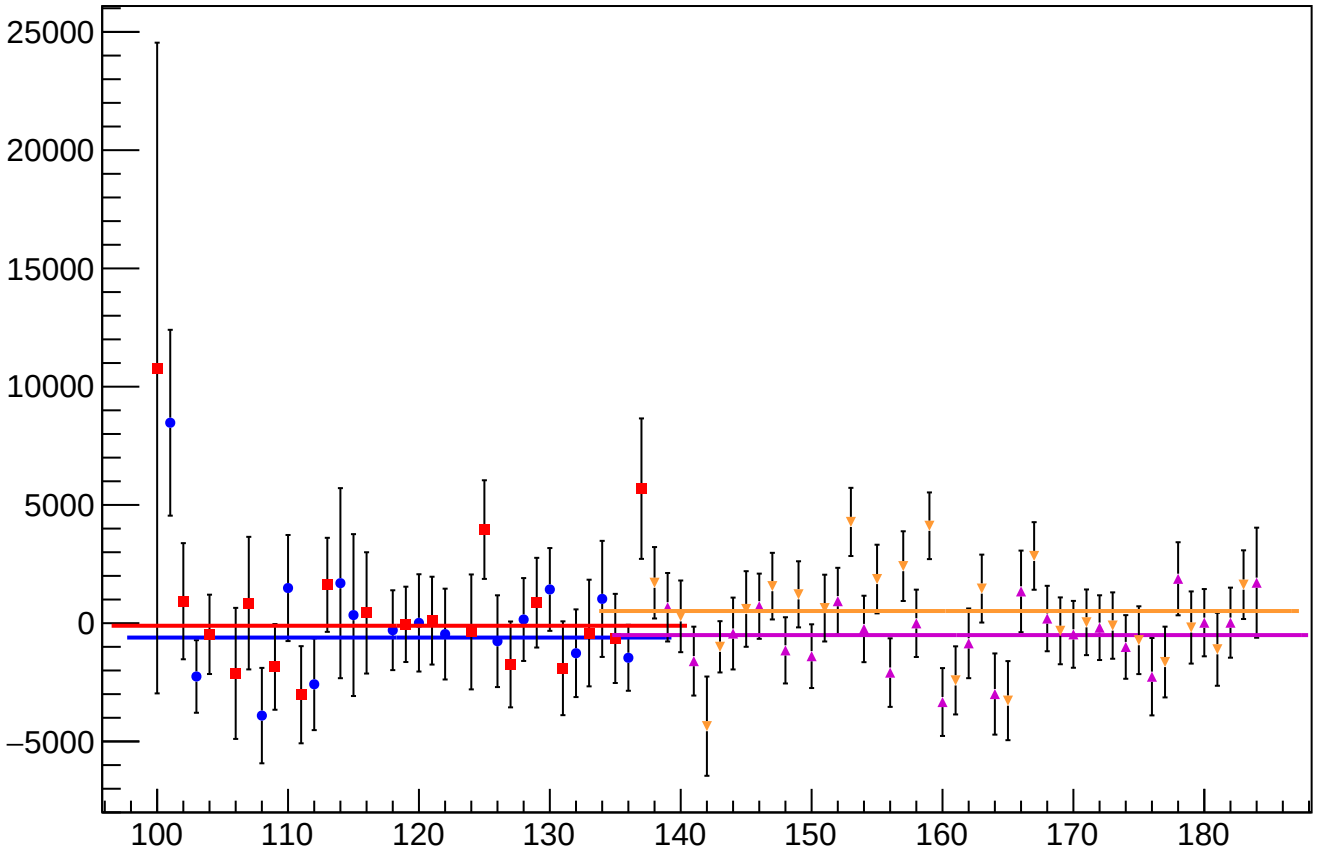
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 436.874+/-821.335 χ^2/NDF:28.1/38

Out: -143.726+/-760.749 χ^2/NDF:44.1/42

All: 124.372+/-558.122 χ^2/NDF: 72.5/81


asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 4154.038+/-0.696 χ²/NDF:2079742.1/23
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4384.323+/-0.739 χ²/NDF:1255470.8/22
Left: 4262.169+/-0.507 χ²/NDF: 3386681.7/46
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 4051.398+/-0.581 χ²/NDF:2160247.2/38
Out: 3767.484+/-0.538 χ²/NDF:3620725.3/42
All: 3898.584+/-0.395 χ²/NDF: 5909601.1/81



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: -503.558+/-307.056 χ^2/NDF:17.4/22

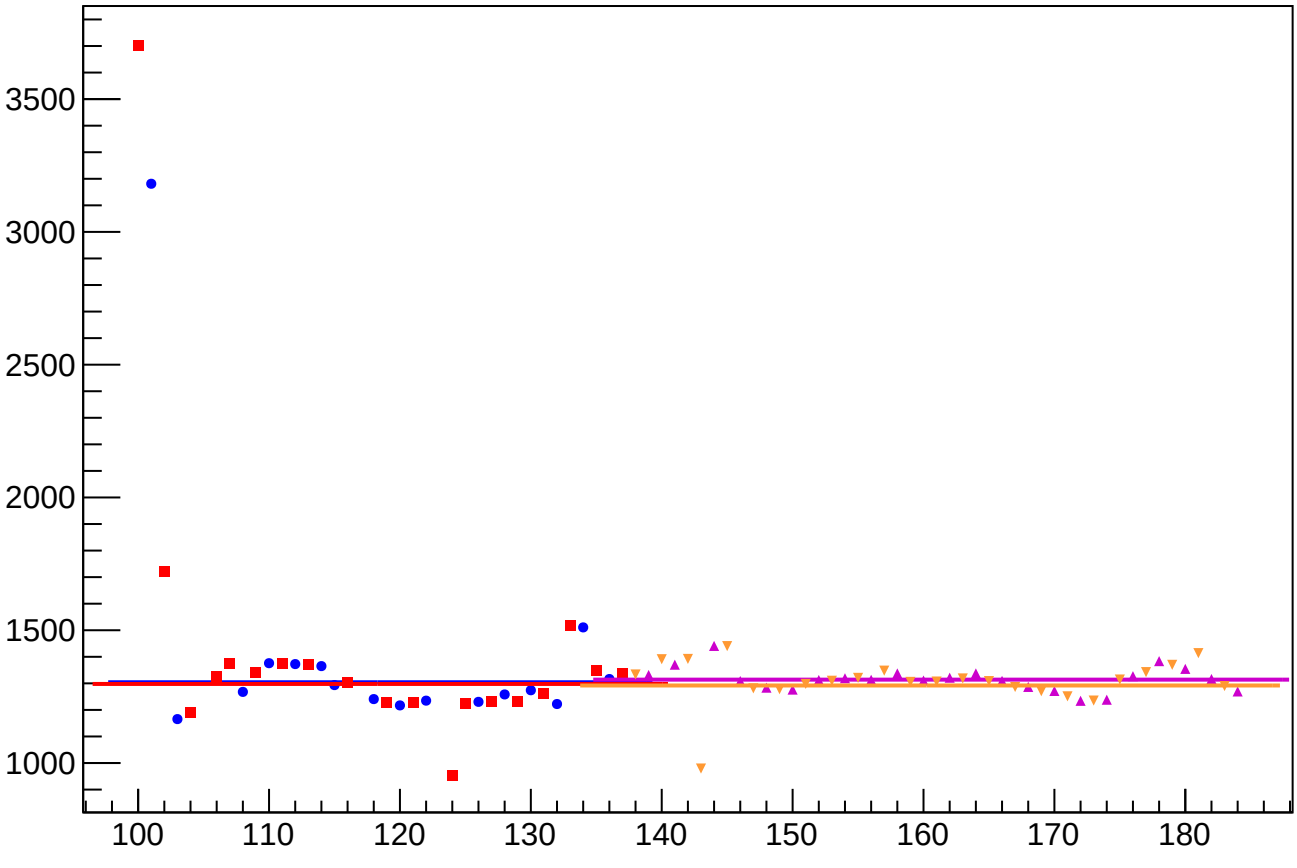
Left: 23.238+/-213.268 χ^2/NDF: 65.5/46

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -532.603+/-260.811 χ^2/NDF:31.5/38

Out: 345.112+/-253.012 χ^2/NDF:58.5/42

All: -80.427+/-181.601 χ^2/NDF: 95.9/81



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: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.620+/-0.151 χ^2/NDF: 278120.3/46

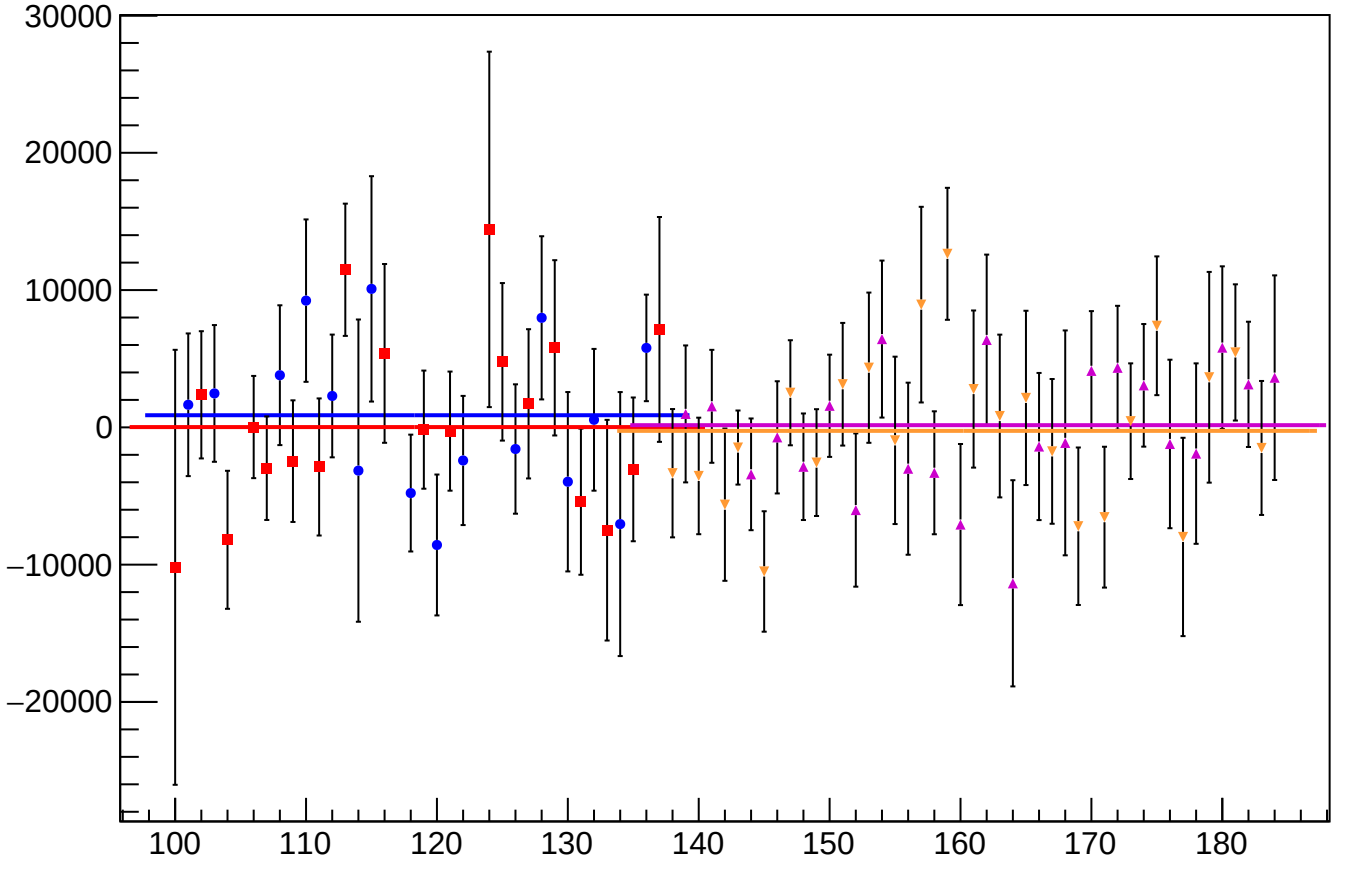
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1311.248+/-0.184 χ^2/NDF:554216.0/38

Out: 1293.580+/-0.179 χ^2/NDF:443063.2/42

All: 1302.144+/-0.128 χ^2/NDF: 1002008.8/81

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -254.194+/-983.677 χ^2/NDF:27.3/23

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

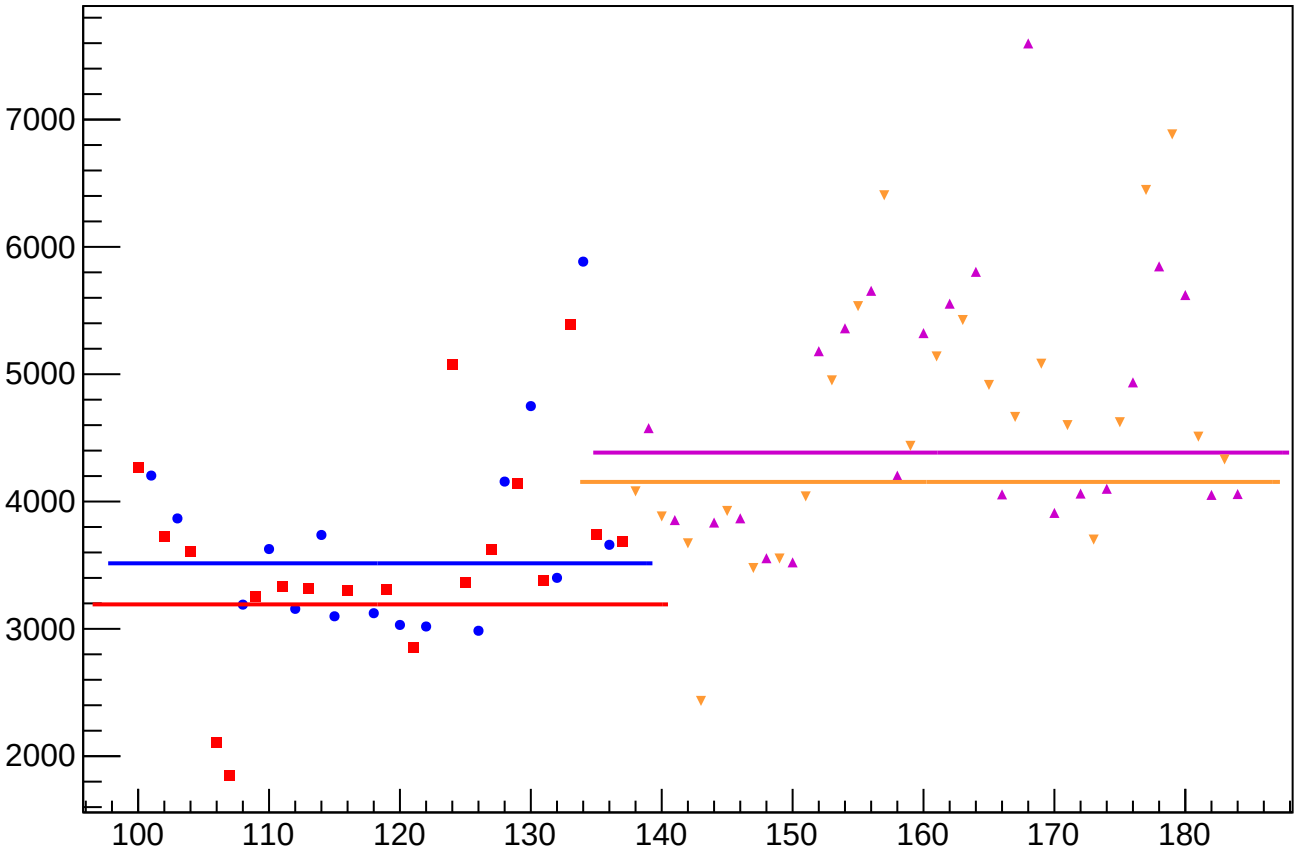
Left: -59.964+/-716.428 χ^2/NDF: 41.2/46

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 436.872+/-821.335 χ^2/NDF:28.1/38

Out: -143.725+/-760.749 χ^2/NDF:44.1/42

All: 124.372+/-558.122 χ^2/NDF: 72.5/81



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: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

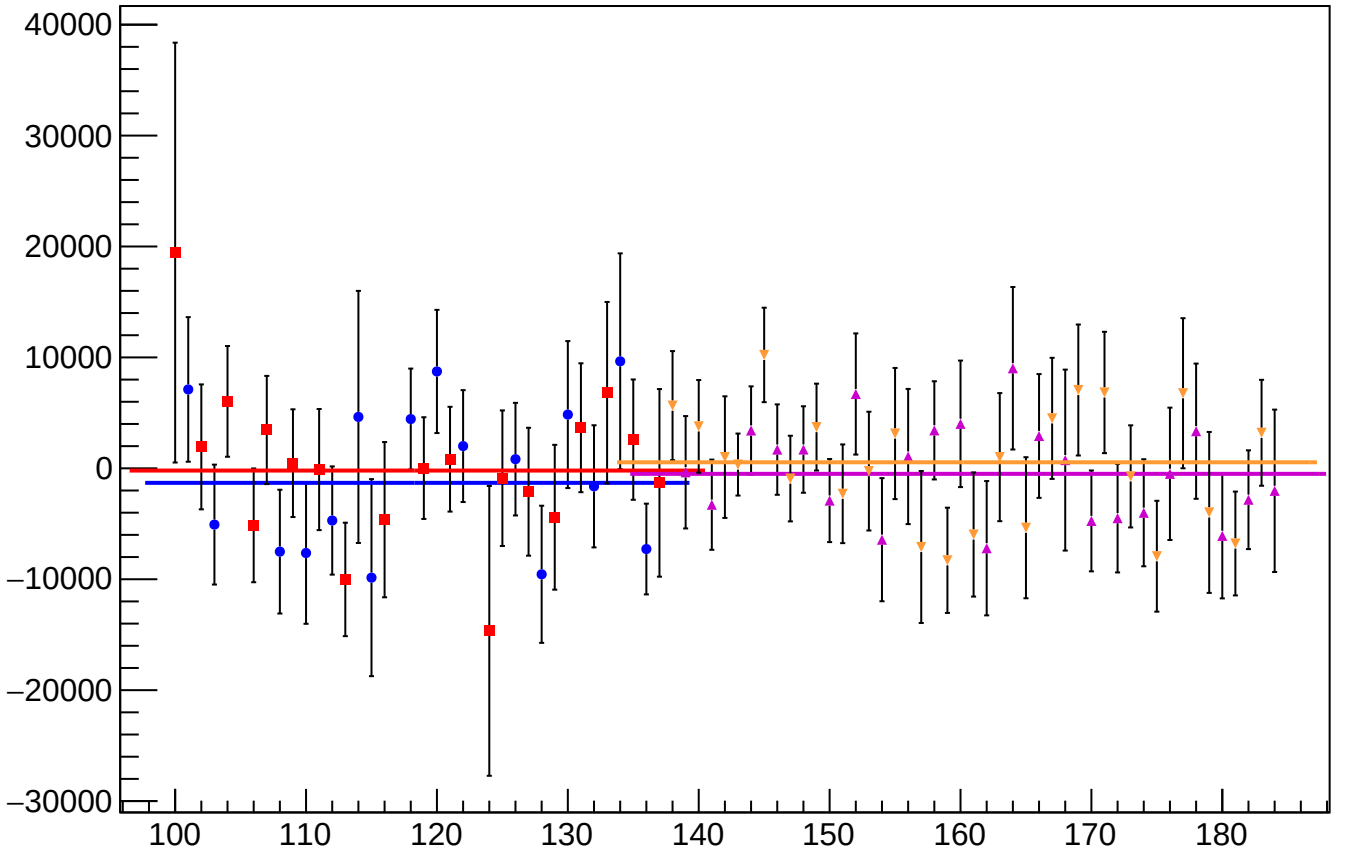
Left: 4262.176+/-0.507 χ^2/NDF: 3386688.7/46

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4051.397+/-0.581 χ^2/NDF:2160275.8/38

Out: 3767.483+/-0.538 χ^2/NDF:3620754.4/42

All: 3898.583+/-0.395 χ^2/NDF: 5909658.8/81



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: -497.522+/-1044.707 χ^2/NDF:13.9/22

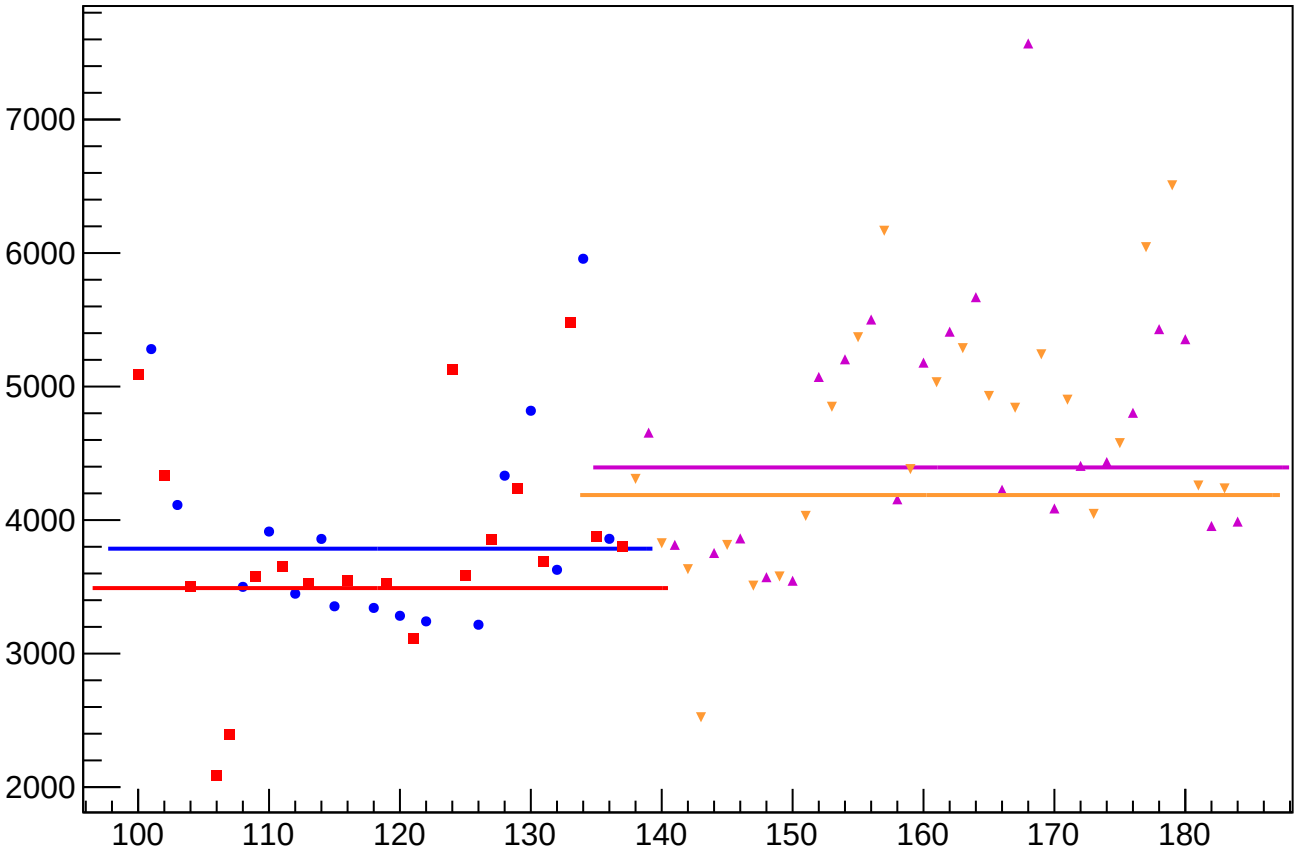
Left: 53.015+/-717.361 χ^2/NDF: 39.6/46

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -779.614+/-843.902 χ^2/NDF:31.7/38

Out: 280.960+/-793.753 χ^2/NDF:37.1/42

All: -216.879+/-578.185 χ^2/NDF: 69.6/81



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: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

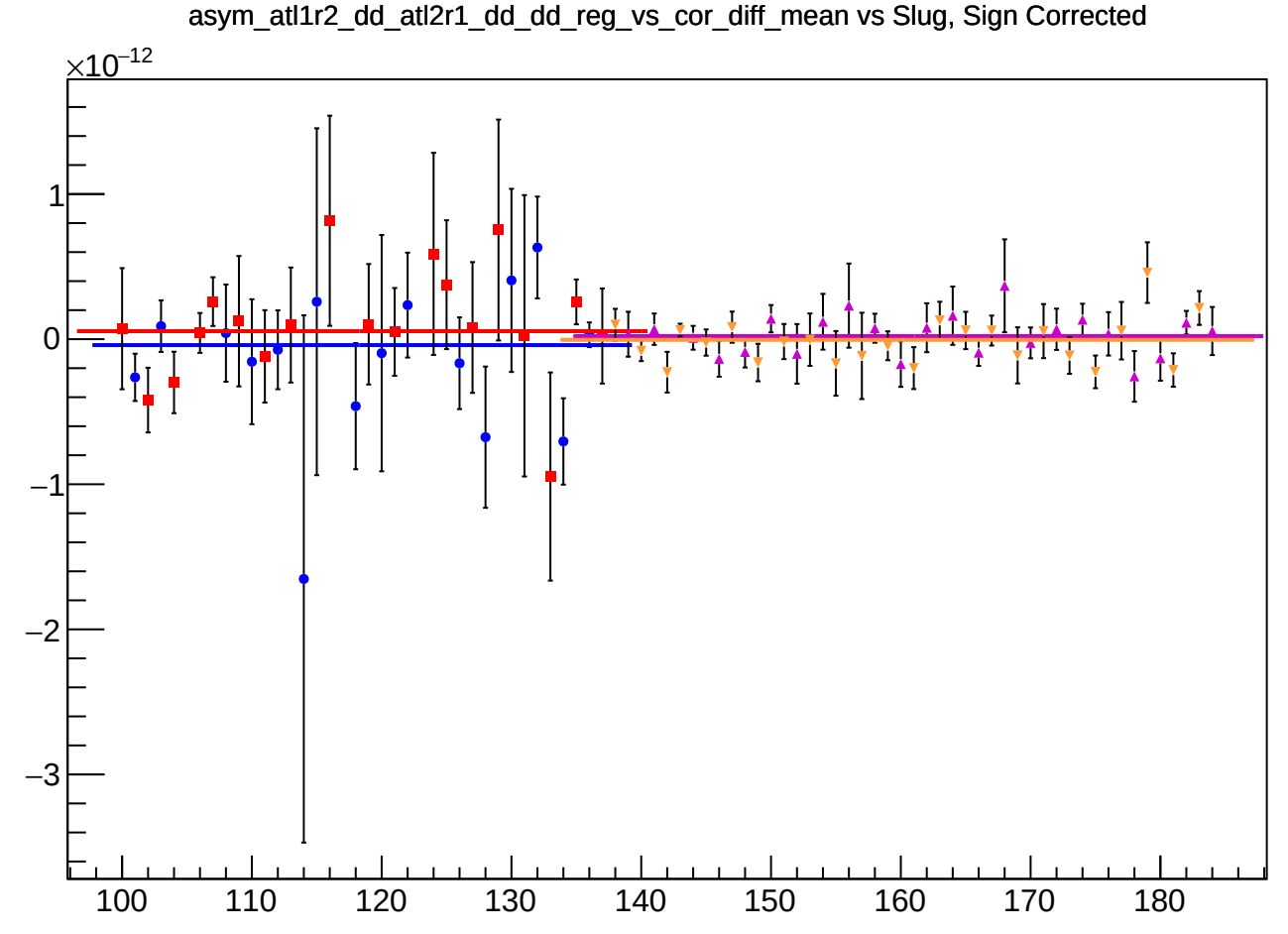
Left: 4284.974+/-0.507 χ^2/NDF: 2926174.4/46

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4182.864+/-0.597 χ^2/NDF:1707199.7/38

Out: 3937.090+/-0.559 χ^2/NDF:2741300.5/42

All: 4051.860+/-0.408 χ^2/NDF: 4538921.1/81



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:17.0/22

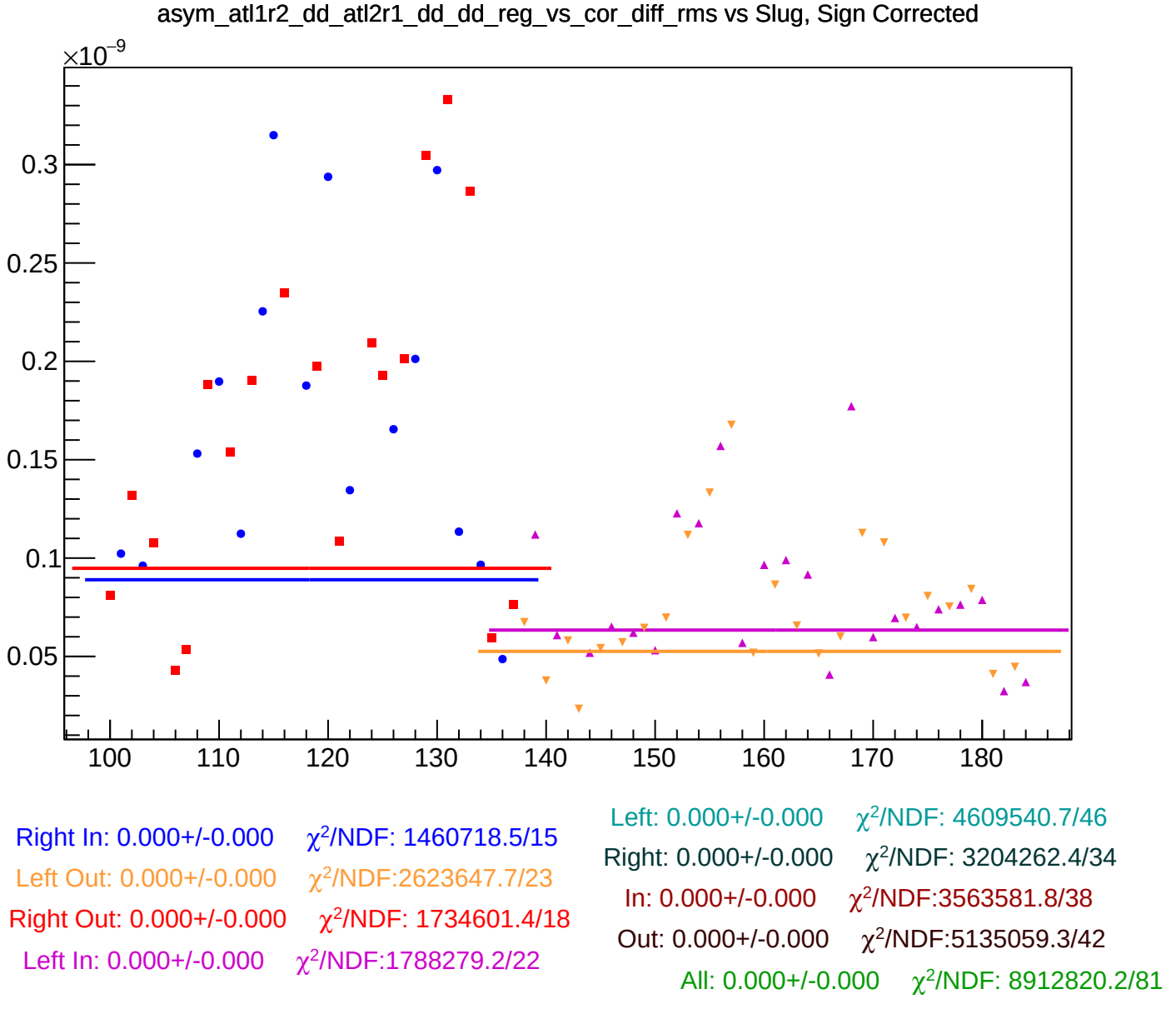
Left: 0.000+/-0.000 χ^2/NDF: 47.8/46

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

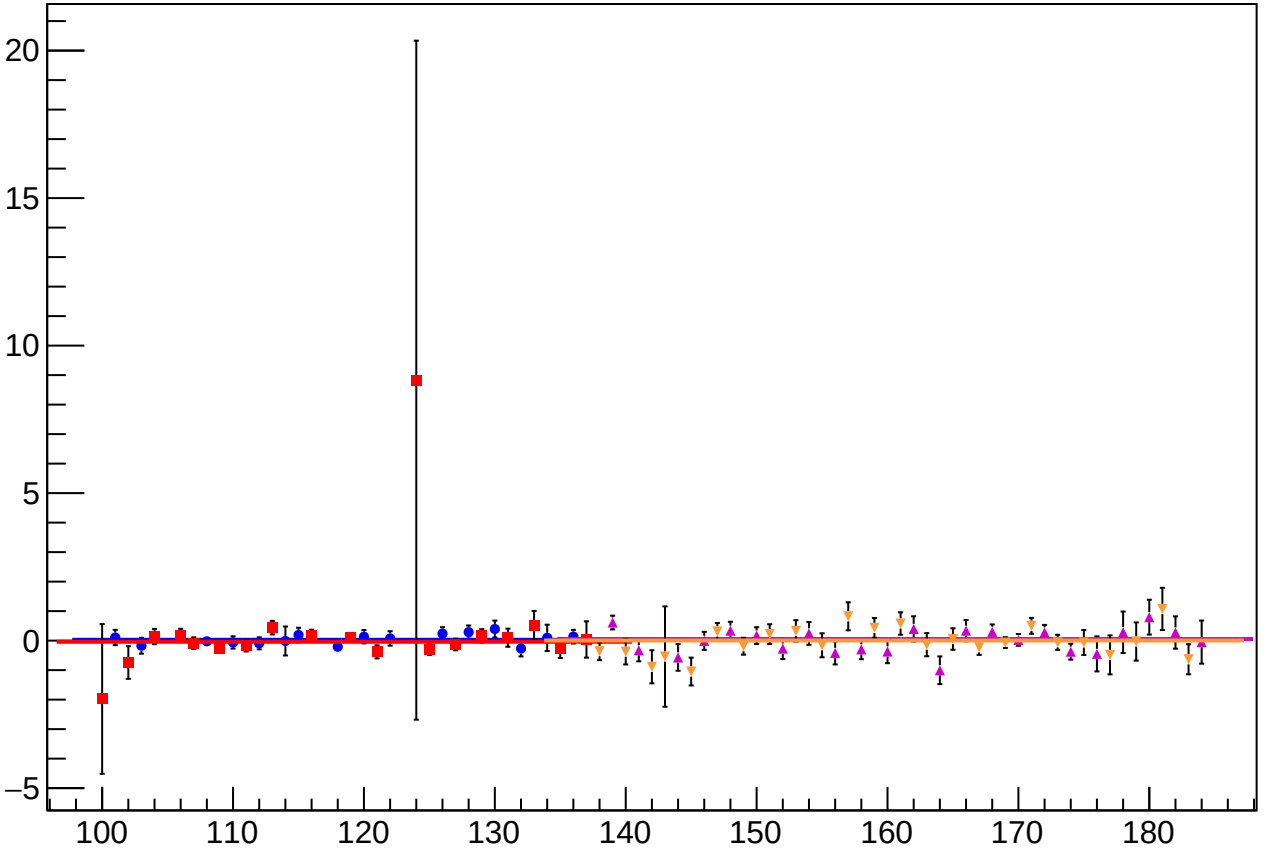
In: 0.000+/-0.000 χ^2/NDF:34.6/38

Out: 0.000+/-0.000 χ^2/NDF:46.9/42

All: 0.000+/-0.000 χ^2/NDF: 81.6/81


asym_atl1r2_dd_atl2r1_dd_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:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4609540.7/46
Right: 0.000+/-0.000 χ²/NDF: 3204262.4/34
In: 0.000+/-0.000 χ²/NDF:3563581.8/38
Out: 0.000+/-0.000 χ²/NDF:5135059.3/42
All: 0.000+/-0.000 χ²/NDF: 8912820.2/81

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: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.030+/-0.050 χ^2/NDF: 56.6/46

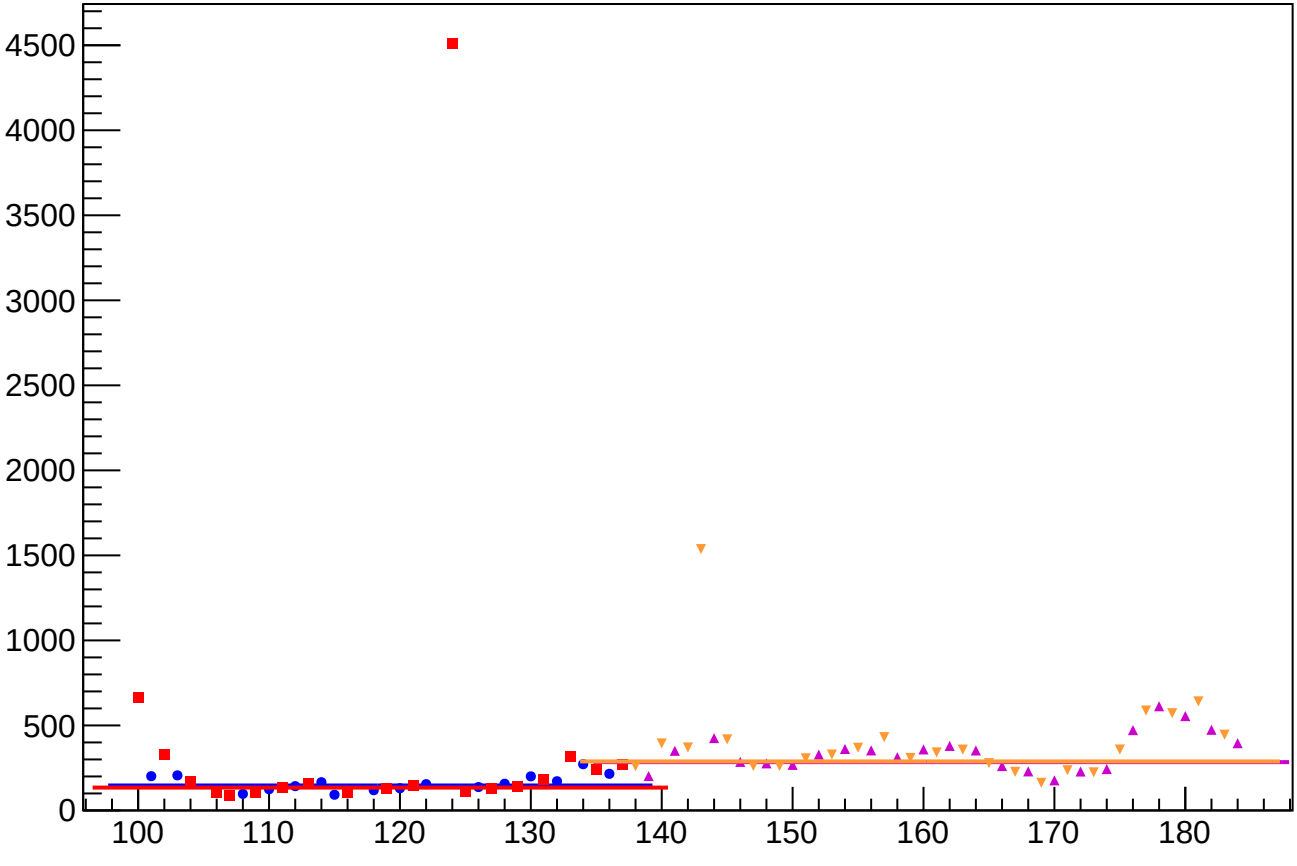
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/81

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: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.221+/-0.035 χ^2/NDF: 7717028.4/46

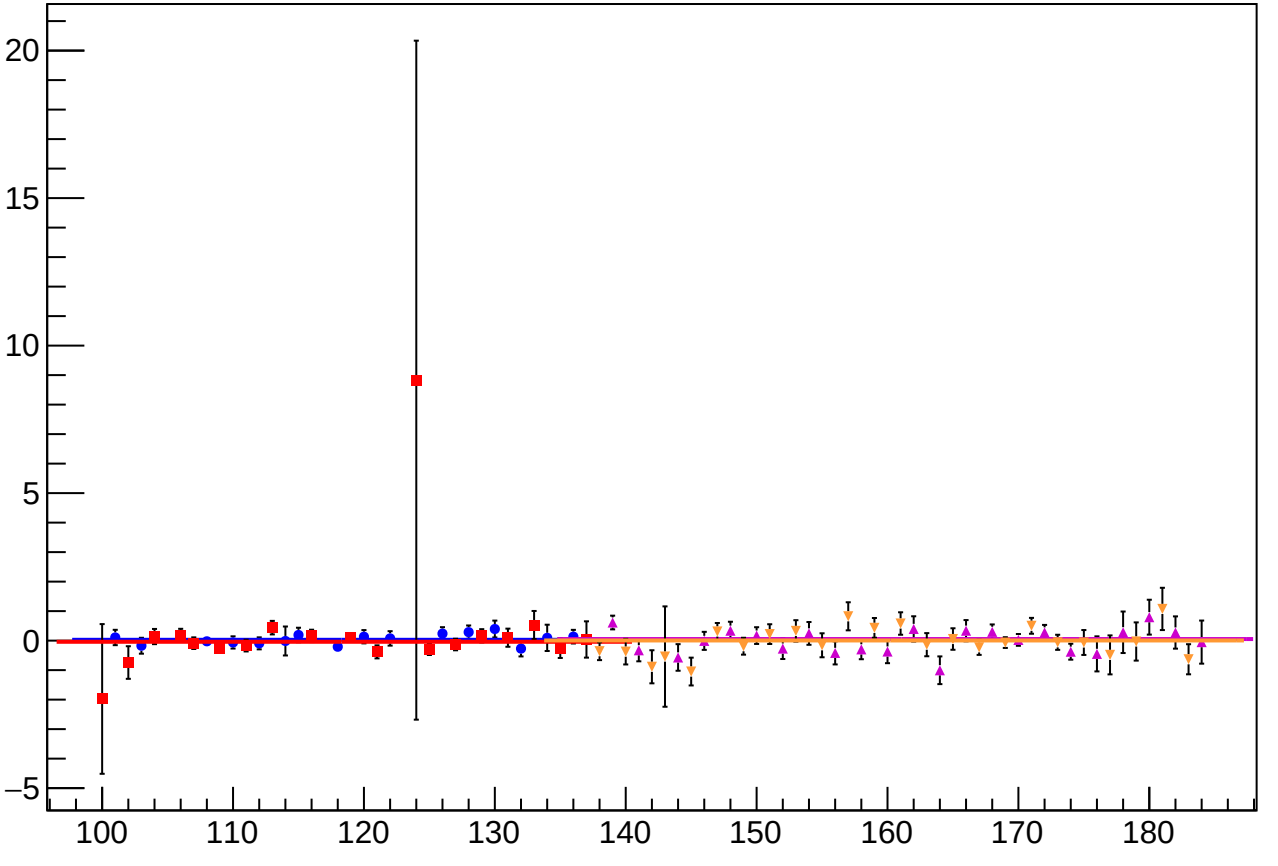
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 202.013+/-0.032 χ^2/NDF:8628760.9/38

Out: 191.482+/-0.031 χ^2/NDF:12084157.8/42

All: 196.609+/-0.022 χ^2/NDF: 20770073.2/81

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: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.030+/-0.050 χ^2/NDF: 56.6/46

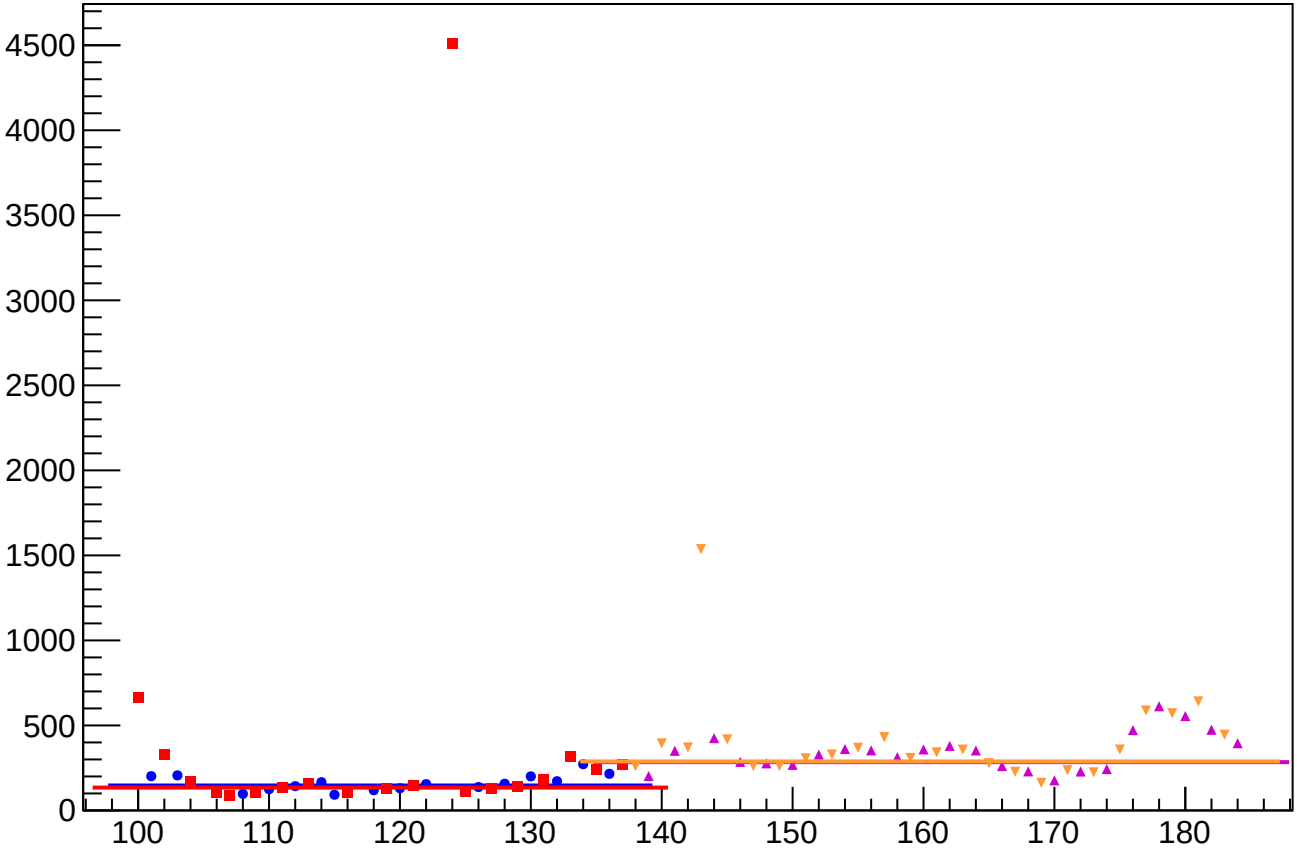
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/81

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: 284.168+/-0.050 χ^2/NDF:3077521.1/22

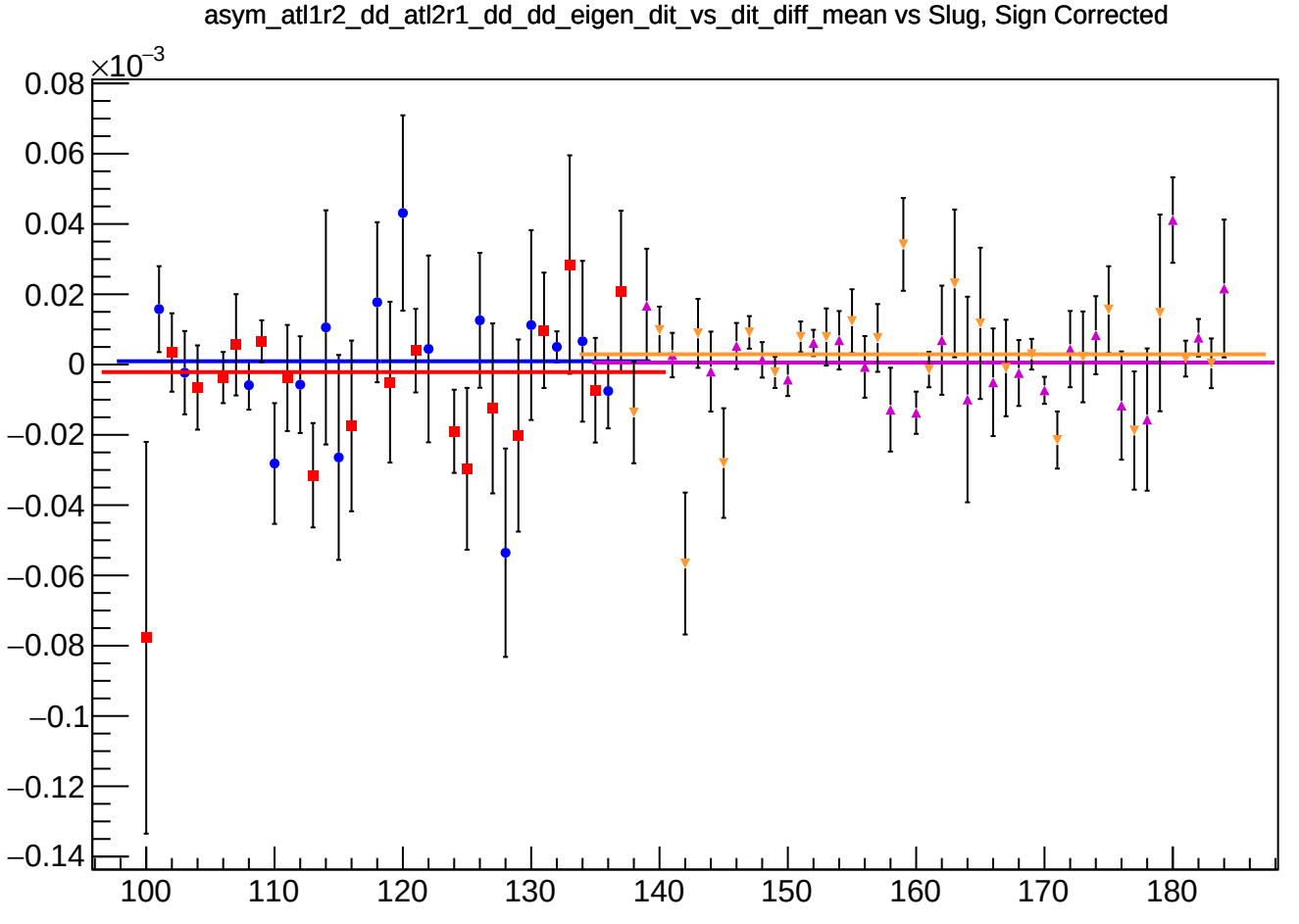
Left: 286.221+/-0.035 χ^2/NDF: 7717028.4/46

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 202.013+/-0.032 χ^2/NDF:8628760.9/38

Out: 191.482+/-0.031 χ^2/NDF:12084157.8/42

All: 196.609+/-0.022 χ^2/NDF: 20770073.2/81



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:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 75.5/46

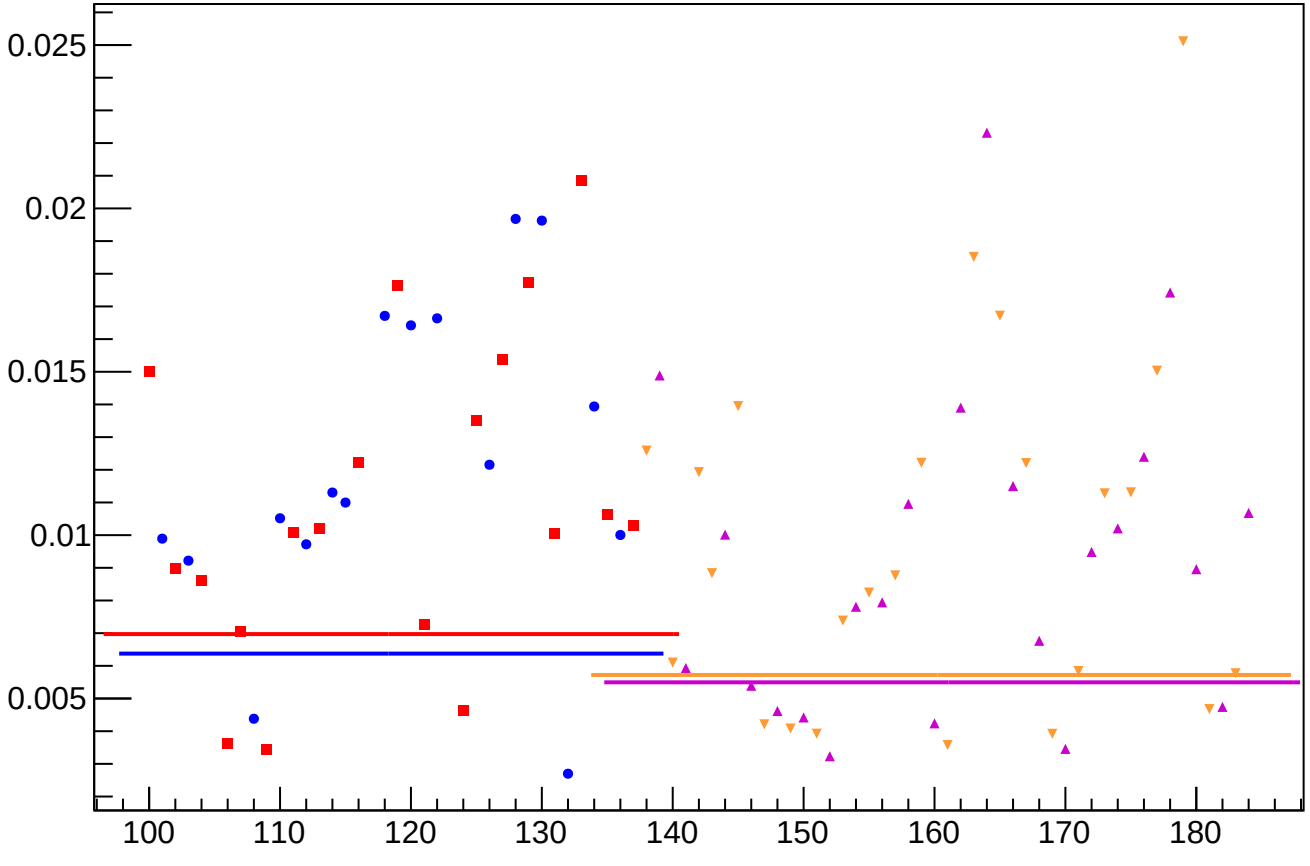
Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:48.1/38

Out: 0.000+/-0.000 χ^2/NDF:59.4/42

All: 0.000+/-0.000 χ^2/NDF: 107.9/81

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7997892.5/23

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 14957169.9/46

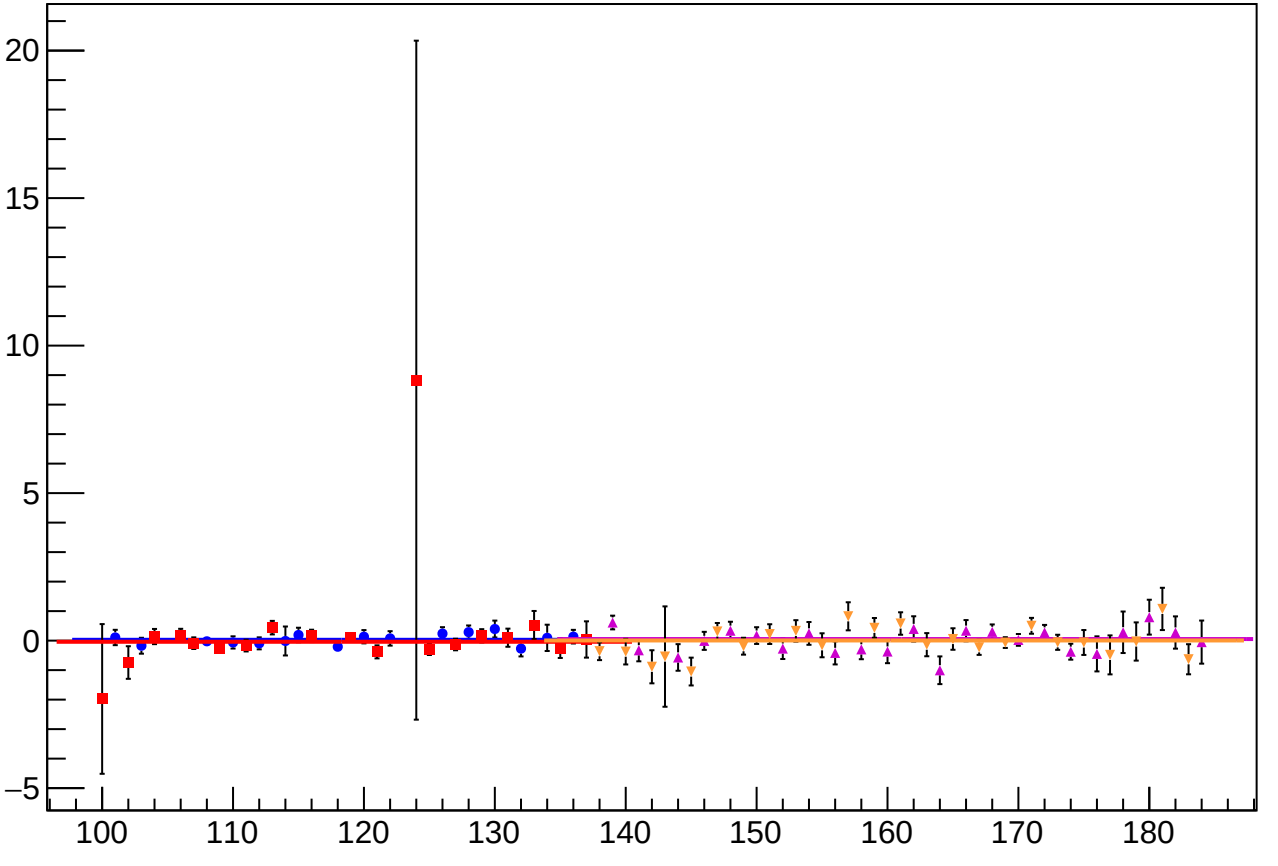
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11719179.9/38

Out: 0.006+/-0.000 χ^2/NDF:11681982.3/42

All: 0.006+/-0.000 χ^2/NDF: 23448540.6/81

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: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.030+/-0.050 χ^2/NDF: 56.6/46

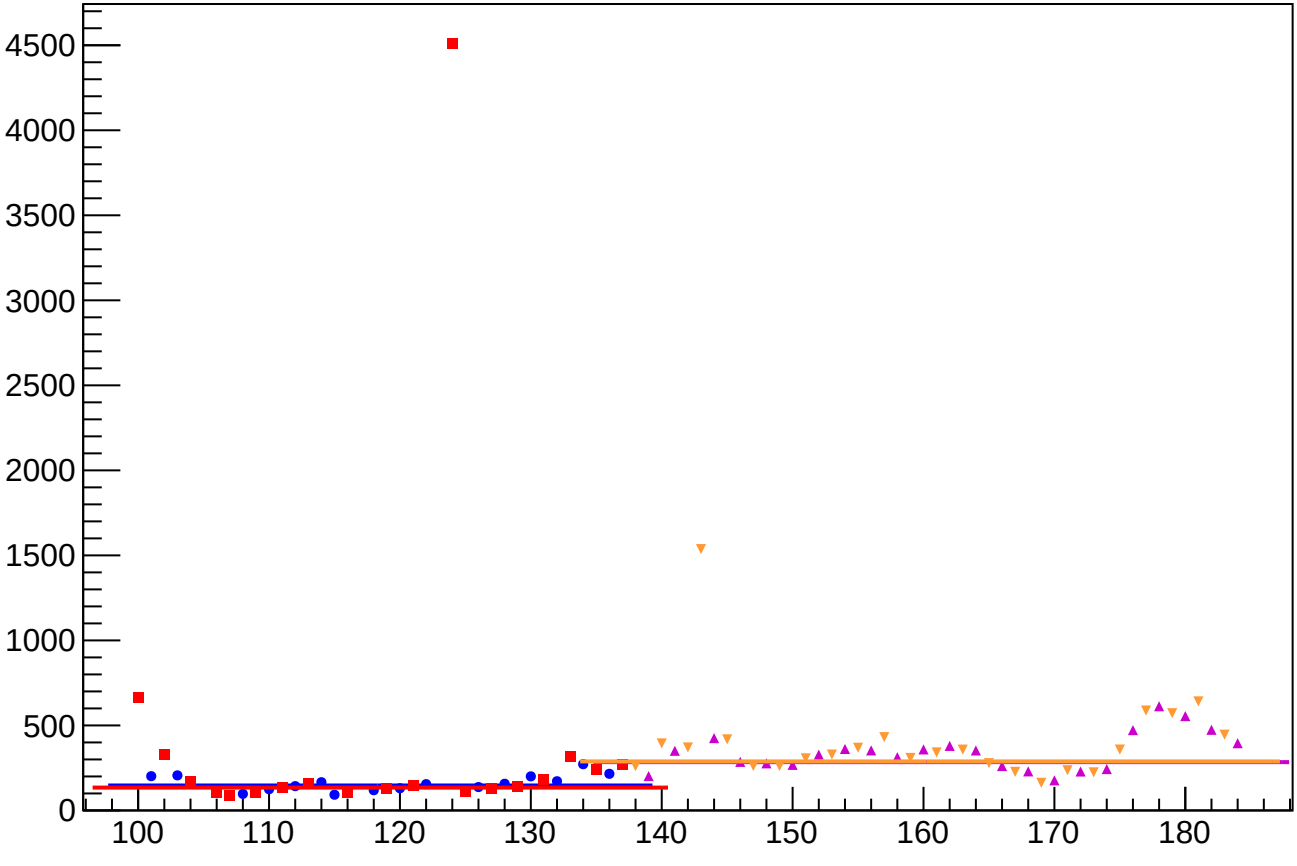
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/81

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: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.222+/-0.035 χ^2/NDF: 7717319.9/46

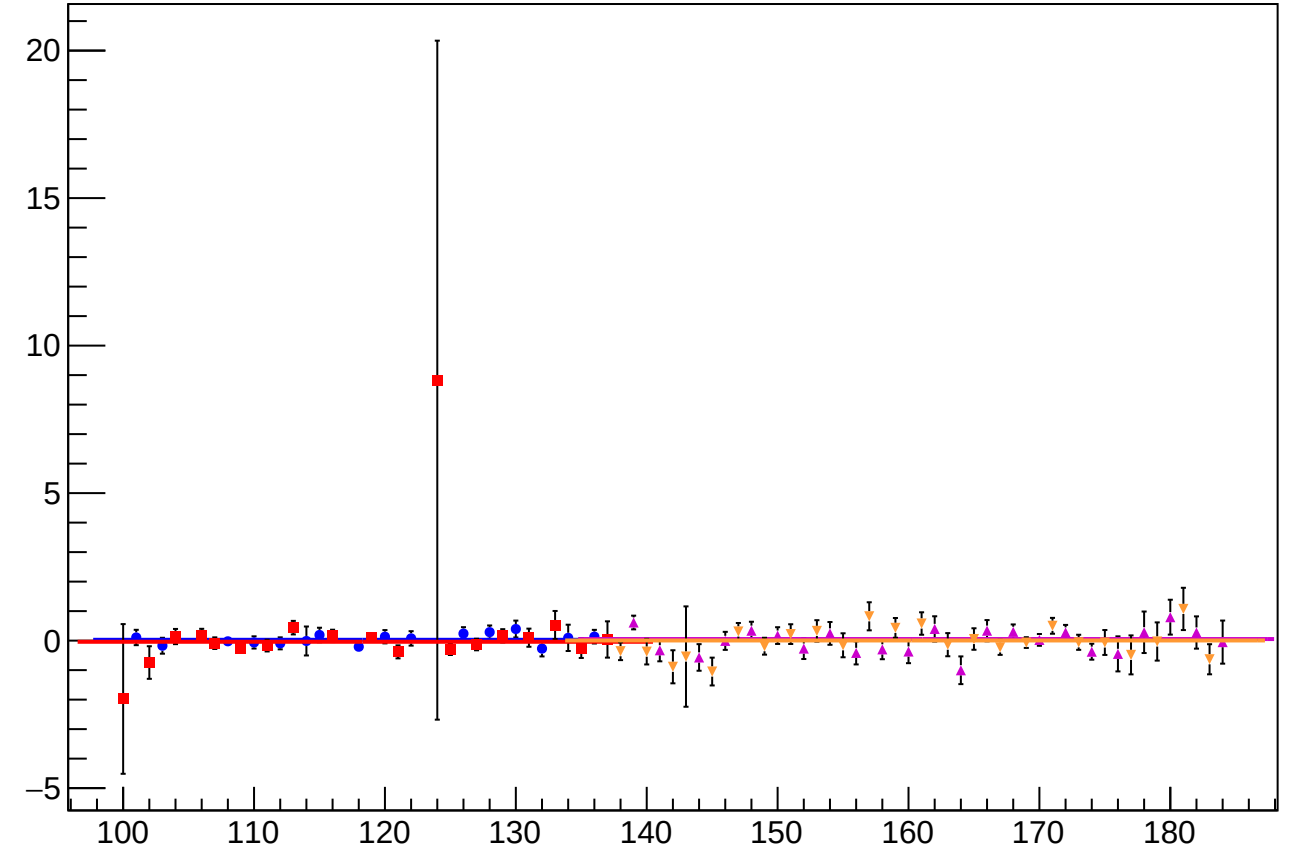
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 202.013+/-0.032 χ^2/NDF:8628882.9/38

Out: 191.483+/-0.031 χ^2/NDF:12084132.9/42

All: 196.609+/-0.022 χ^2/NDF: 20770157.8/81

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: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.030+/-0.050 χ^2/NDF: 56.6/46

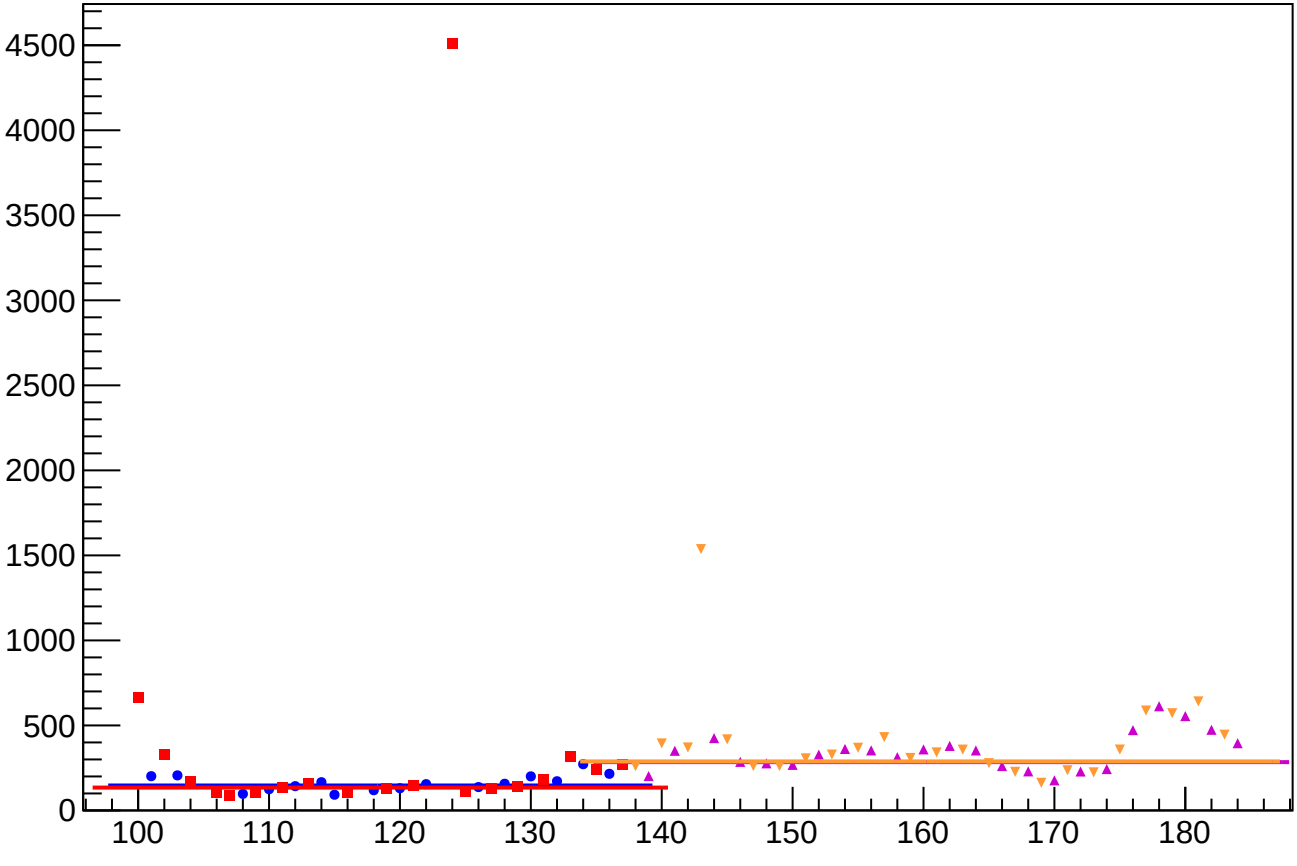
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: -0.023+/-0.043 χ^2/NDF:48.9/42

All: 0.007+/-0.031 χ^2/NDF: 87.1/81

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: 284.170+/-0.050 χ^2/NDF:3077626.7/22

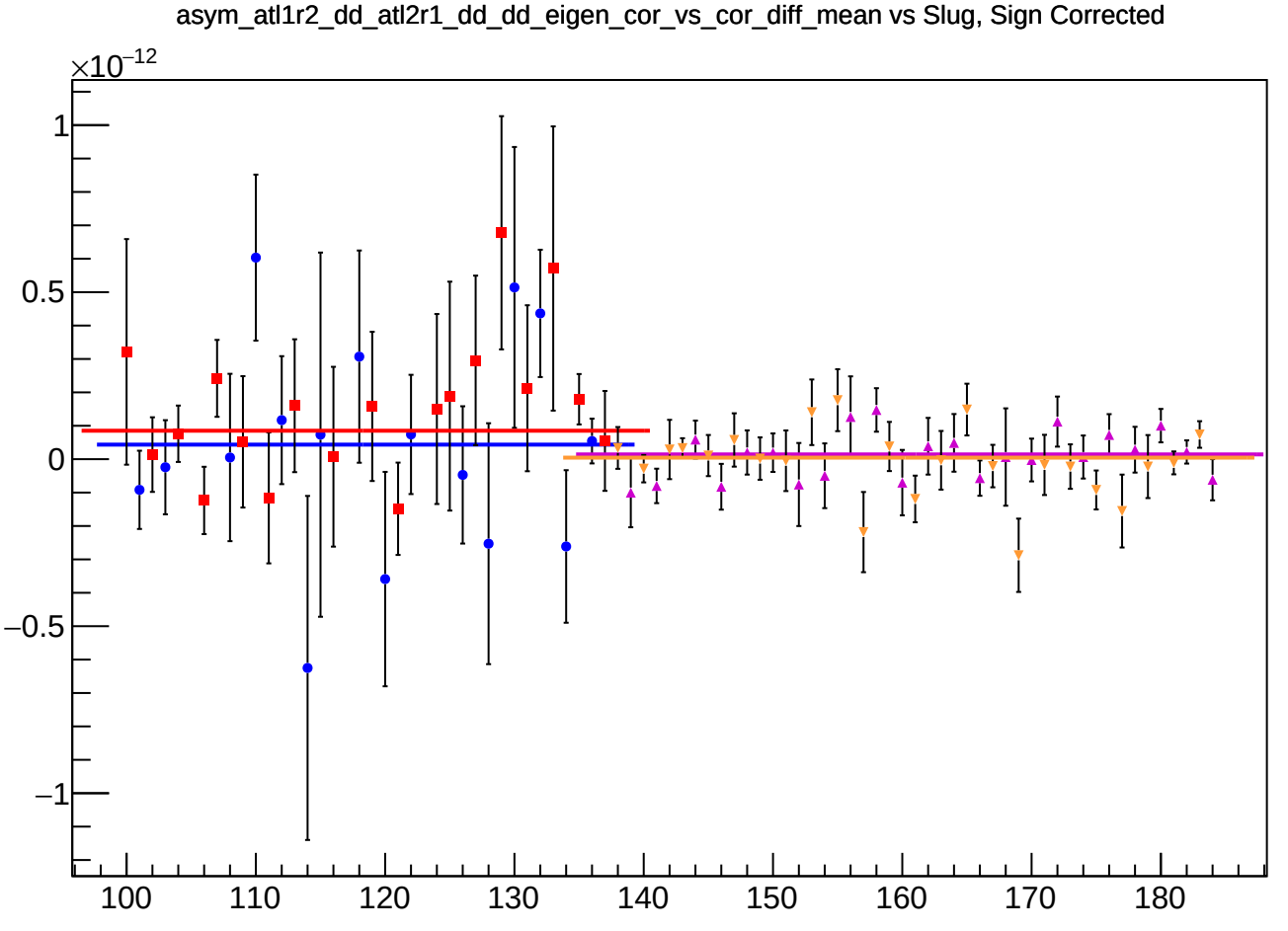
Left: 286.222+/-0.035 χ^2/NDF: 7717319.9/46

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 202.013+/-0.032 χ^2/NDF:8628882.9/38

Out: 191.483+/-0.031 χ^2/NDF:12084132.9/42

All: 196.609+/-0.022 χ^2/NDF: 20770157.8/81



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:23.2/22

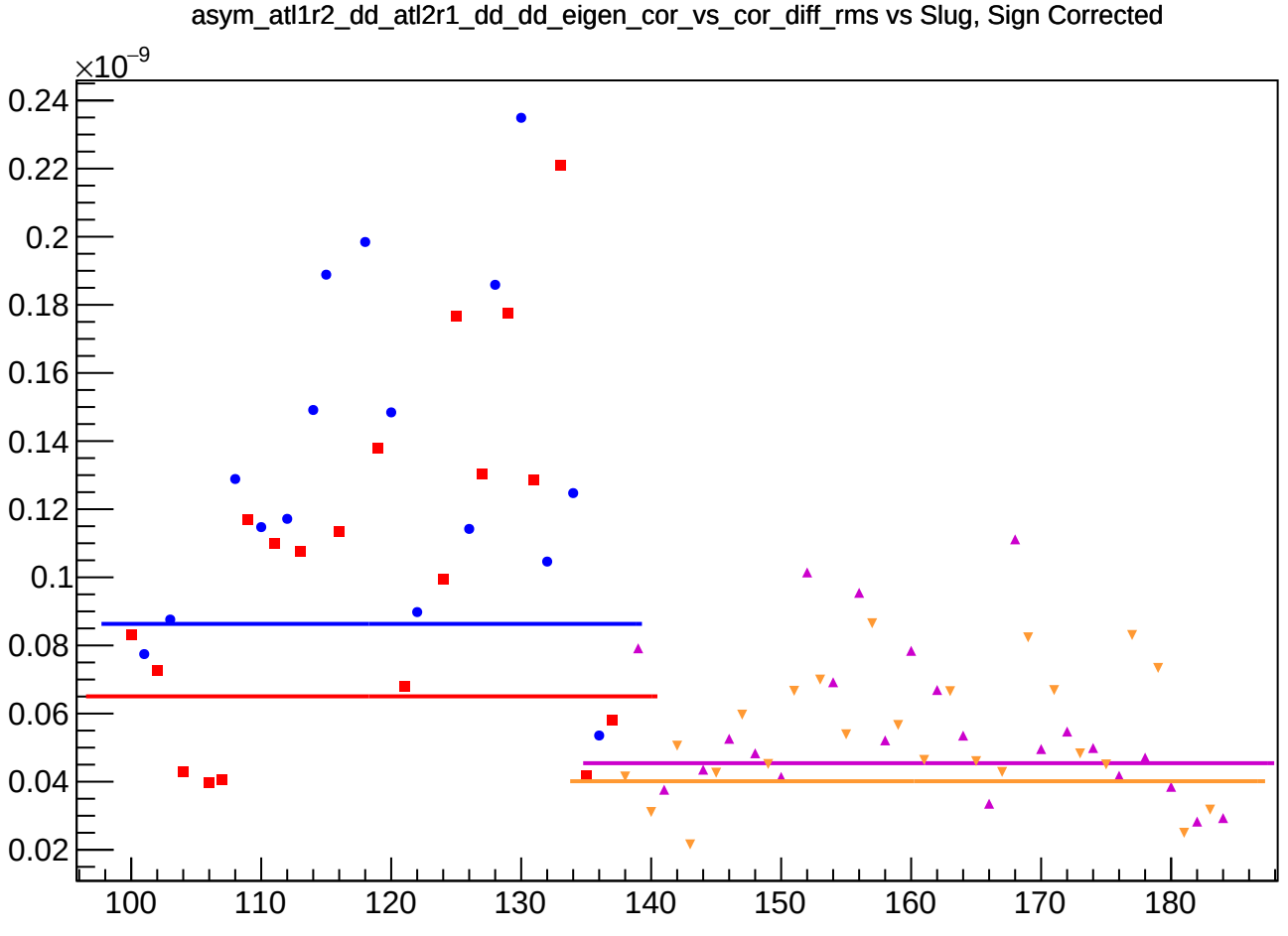
Left: 0.000+/-0.000 χ^2/NDF: 57.1/46

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:42.6/38

Out: 0.000+/-0.000 χ^2/NDF:56.8/42

All: 0.000+/-0.000 χ^2/NDF: 99.4/81



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:2780344.5/22

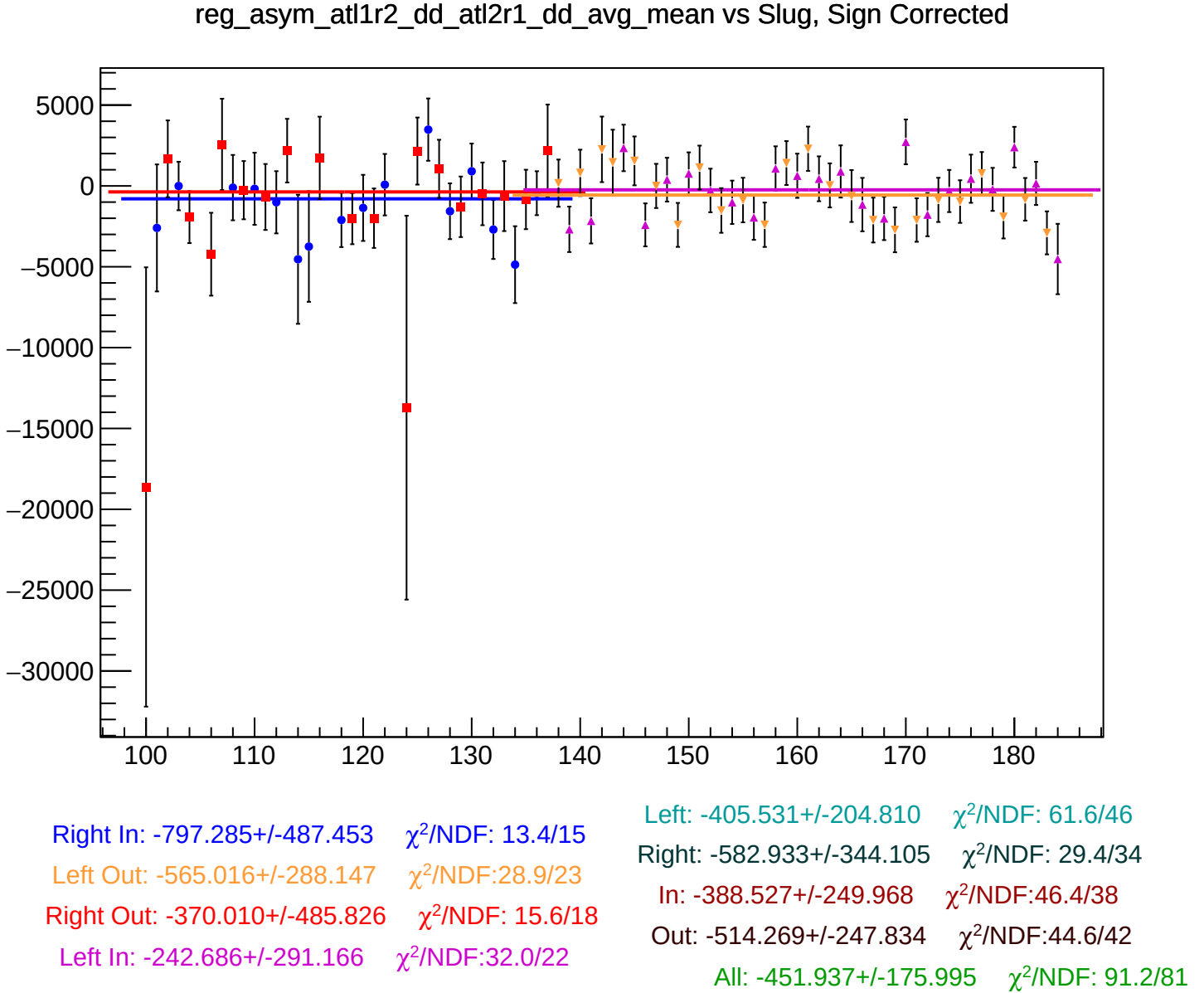
Left: 0.000+/-0.000 χ^2/NDF: 6556103.5/46

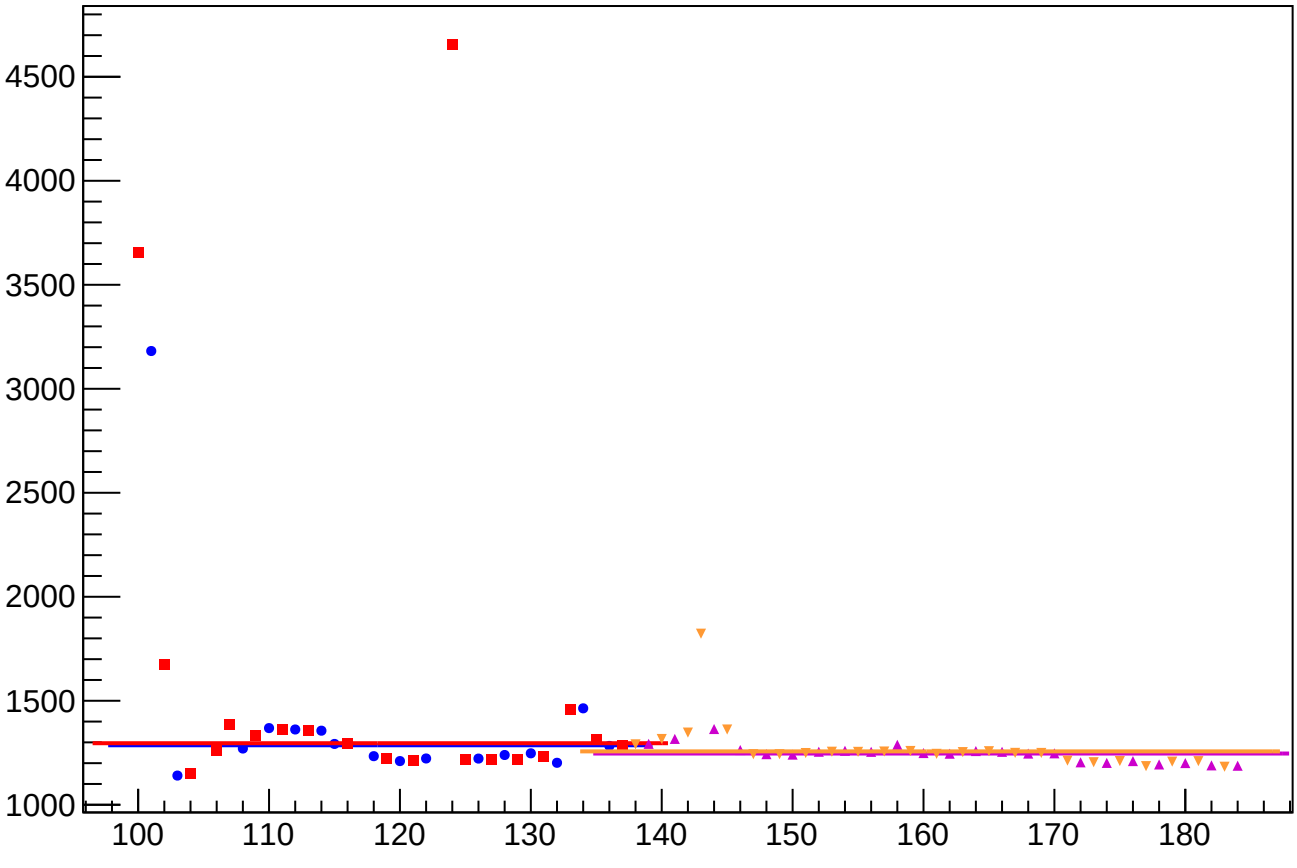
Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:6009064.6/38

Out: 0.000+/-0.000 χ^2/NDF:6705937.3/42

All: 0.000+/-0.000 χ^2/NDF: 12967099.7/81


reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: -565.016+/-288.147 χ²/NDF:28.9/23
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -242.686+/-291.166 χ²/NDF:32.0/22
Left: -405.531+/-204.810 χ²/NDF: 61.6/46
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -388.527+/-249.968 χ²/NDF:46.4/38
Out: -514.269+/-247.834 χ²/NDF:44.6/42
All: -451.937+/-175.995 χ²/NDF: 91.2/81



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: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.570+/-0.145 χ^2/NDF: 242107.6/46

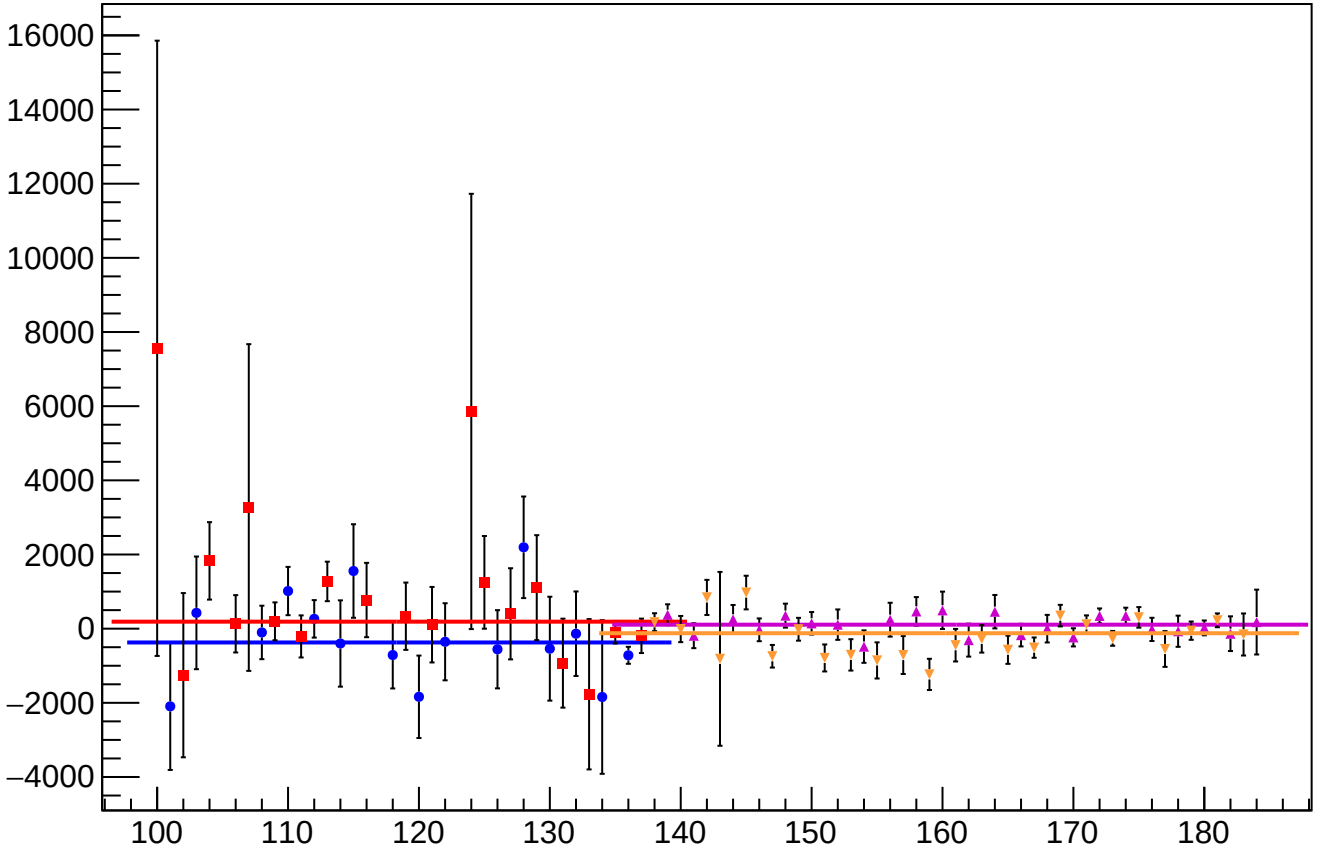
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1256.806+/-0.177 χ^2/NDF:567782.6/38

Out: 1266.896+/-0.175 χ^2/NDF:538714.5/42

All: 1261.894+/-0.124 χ^2/NDF: 1108140.6/81

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: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -10.904+/-46.733 χ^2/NDF: 66.5/46

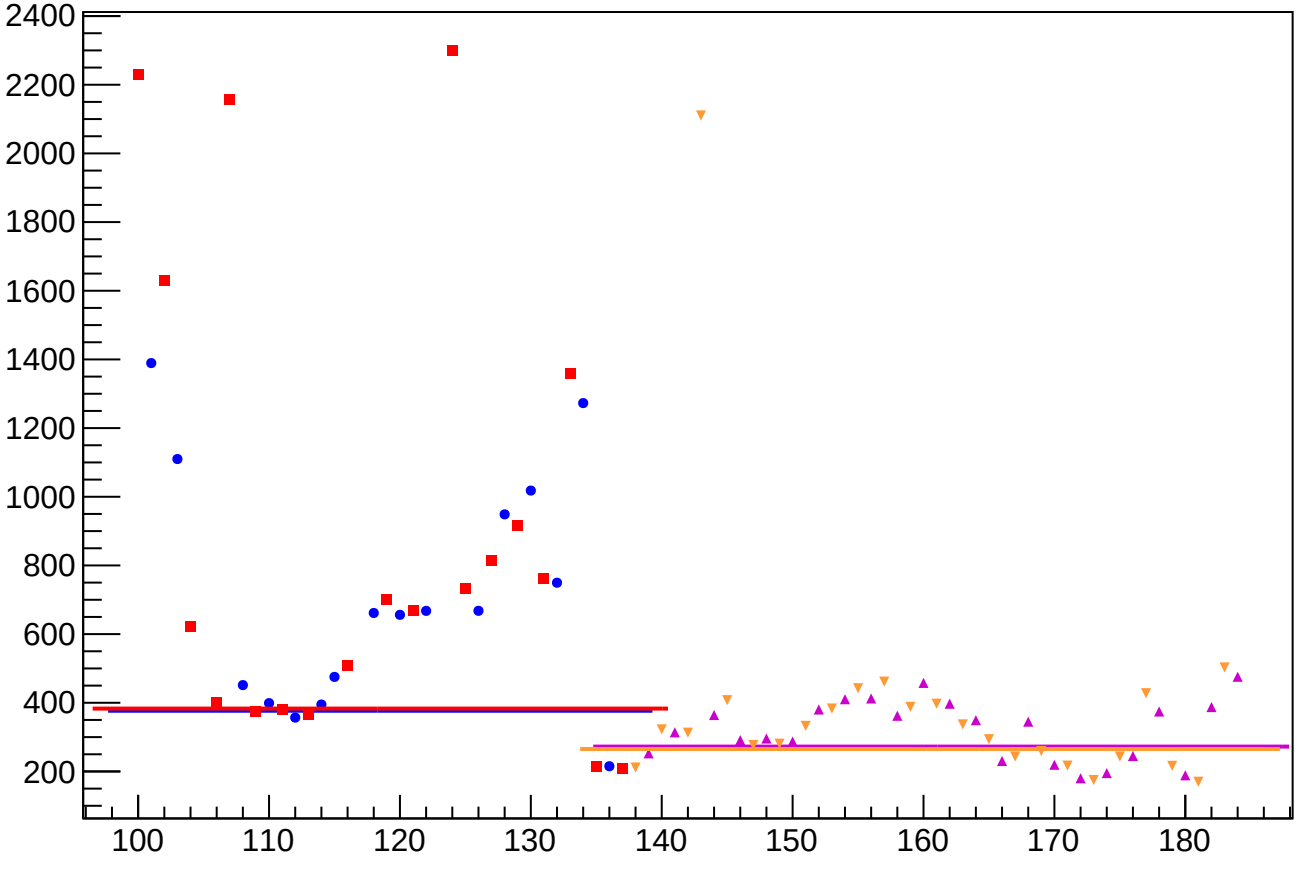
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 41.656+/-62.244 χ^2/NDF:38.9/38

Out: -82.746+/-60.869 χ^2/NDF:64.3/42

All: -21.935+/-43.519 χ^2/NDF: 105.3/81

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: 272.368+/-0.047 χ^2/NDF:2887823.5/22

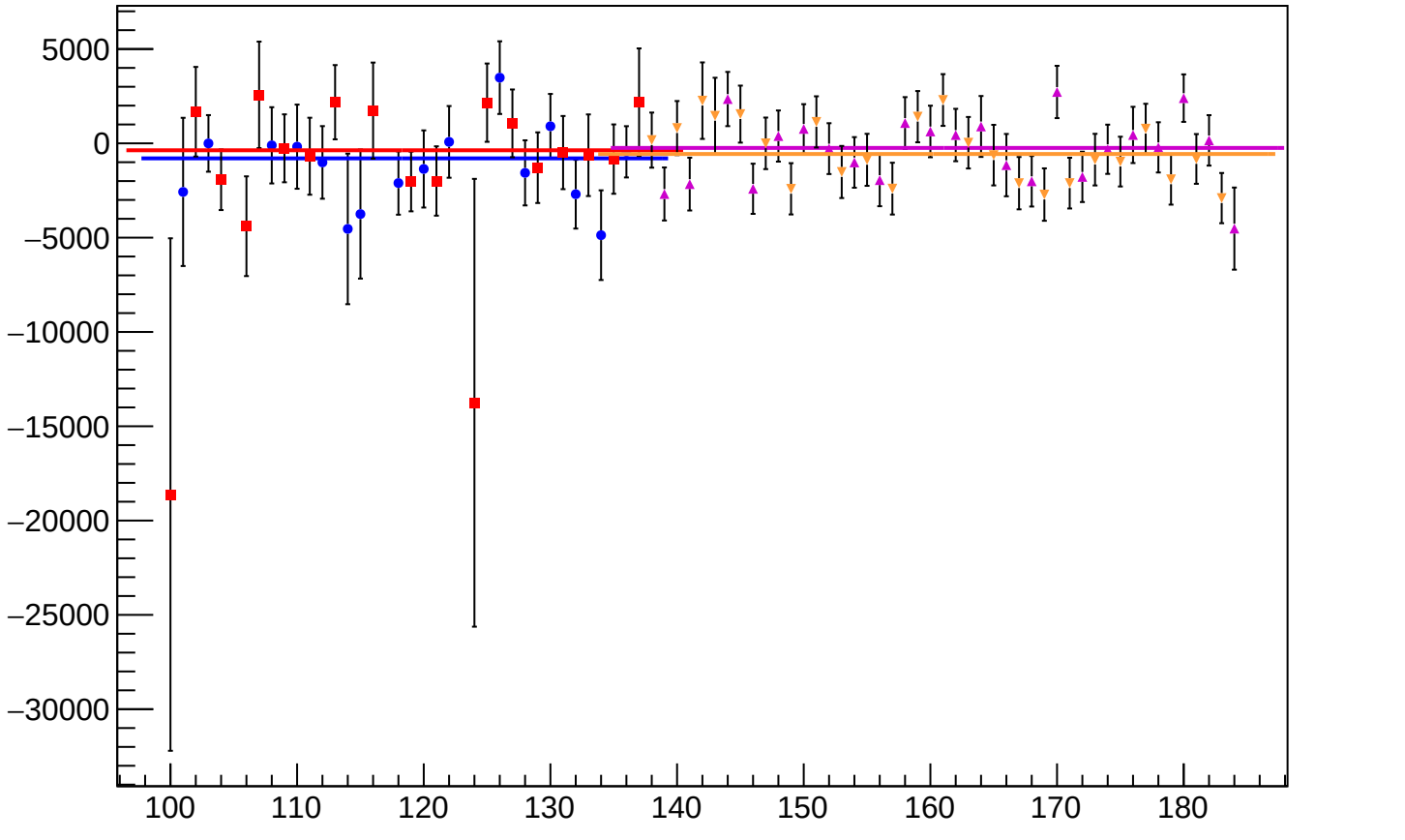
Left: 268.740+/-0.033 χ^2/NDF: 7427667.0/46

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 286.681+/-0.044 χ^2/NDF:7744576.1/38

Out: 280.478+/-0.043 χ^2/NDF:9422916.3/42

All: 283.510+/-0.031 χ^2/NDF: 17177647.7/81



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: -242.663+/-291.166 χ^2/NDF:32.0/22

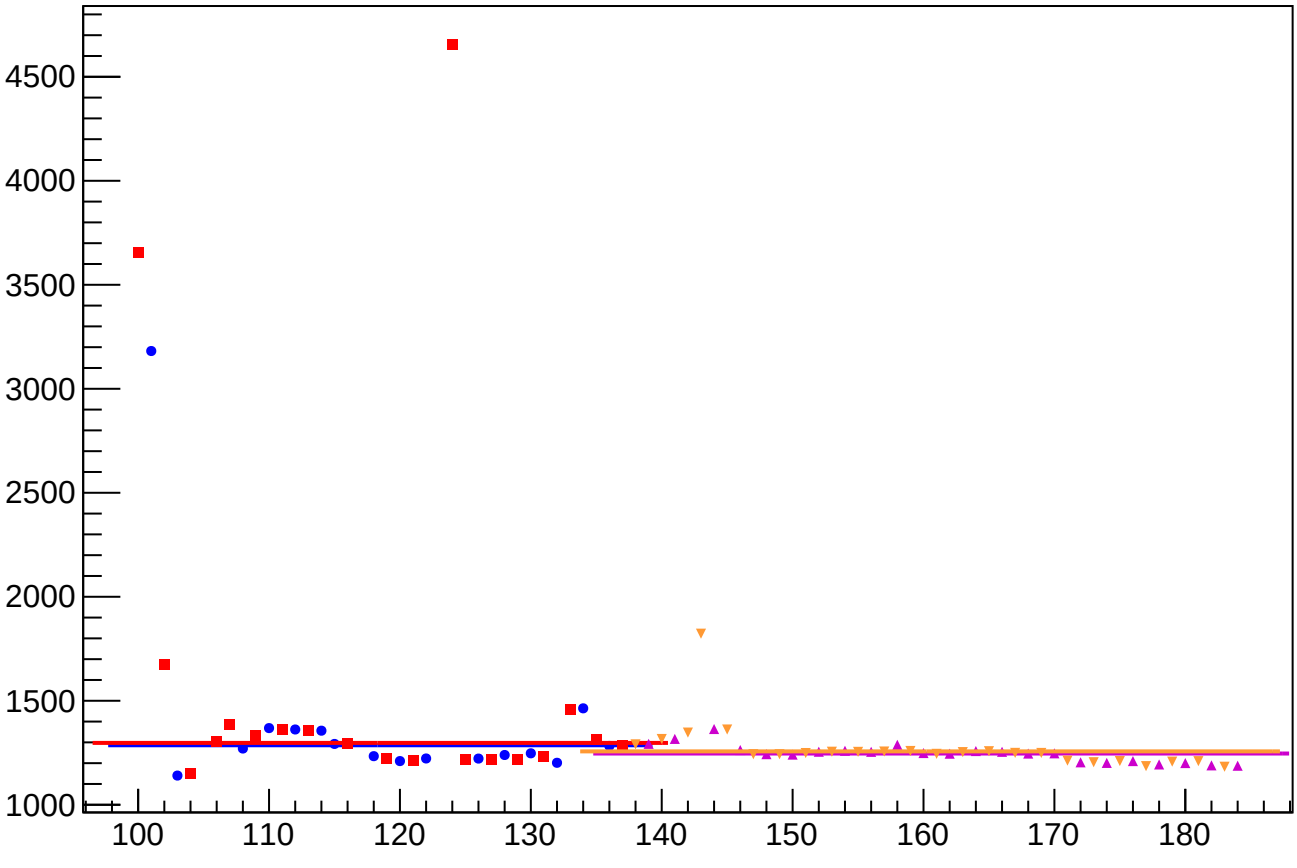
Left: -405.501+/-204.810 χ^2/NDF: 61.6/46

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -388.405+/-249.968 χ^2/NDF:46.4/38

Out: -513.664+/-247.904 χ^2/NDF:44.7/42

All: -451.554+/-176.020 χ^2/NDF: 91.2/81



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: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.570+/-0.145 χ^2/NDF: 242107.5/46

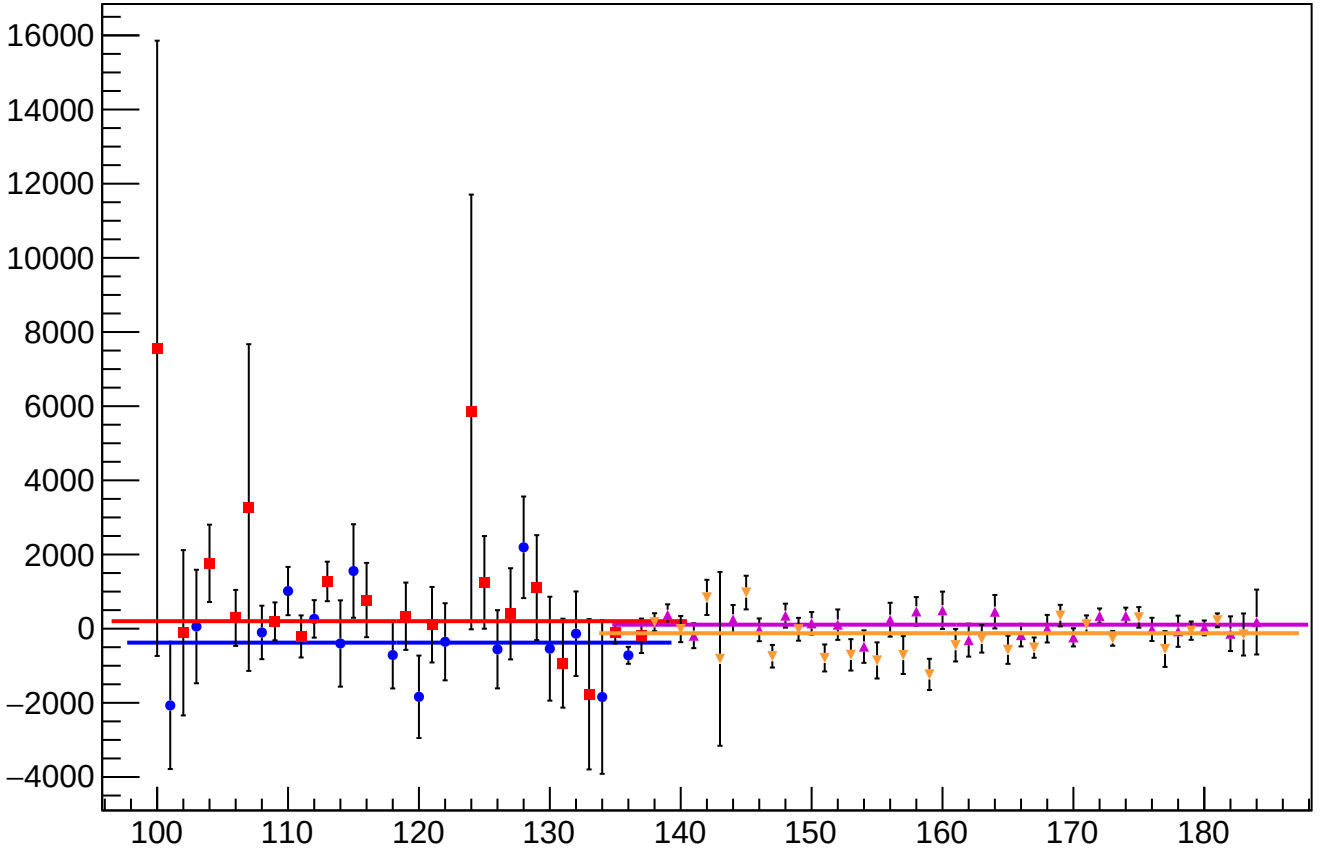
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1256.805+/-0.177 χ^2/NDF:567783.9/38

Out: 1267.257+/-0.175 χ^2/NDF:539097.2/42

All: 1262.075+/-0.124 χ^2/NDF: 1108643.8/81

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: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -10.836+/-46.734 χ^2/NDF: 66.5/46

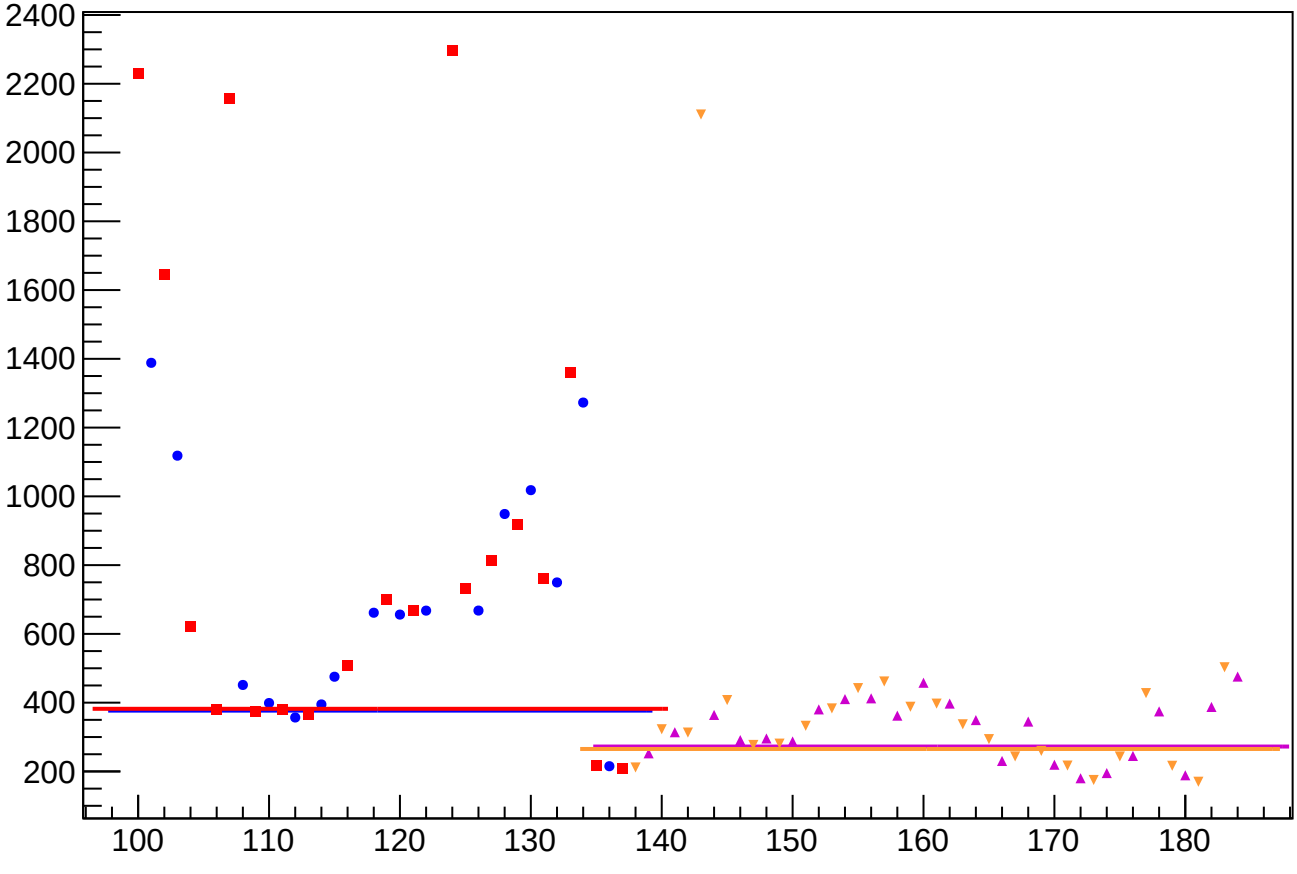
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 41.159+/-62.247 χ^2/NDF:38.8/38

Out: -80.939+/-60.861 χ^2/NDF:64.0/42

All: -21.265+/-43.517 χ^2/NDF: 104.8/81

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: 272.378+/-0.047 χ^2/NDF:2887597.1/22

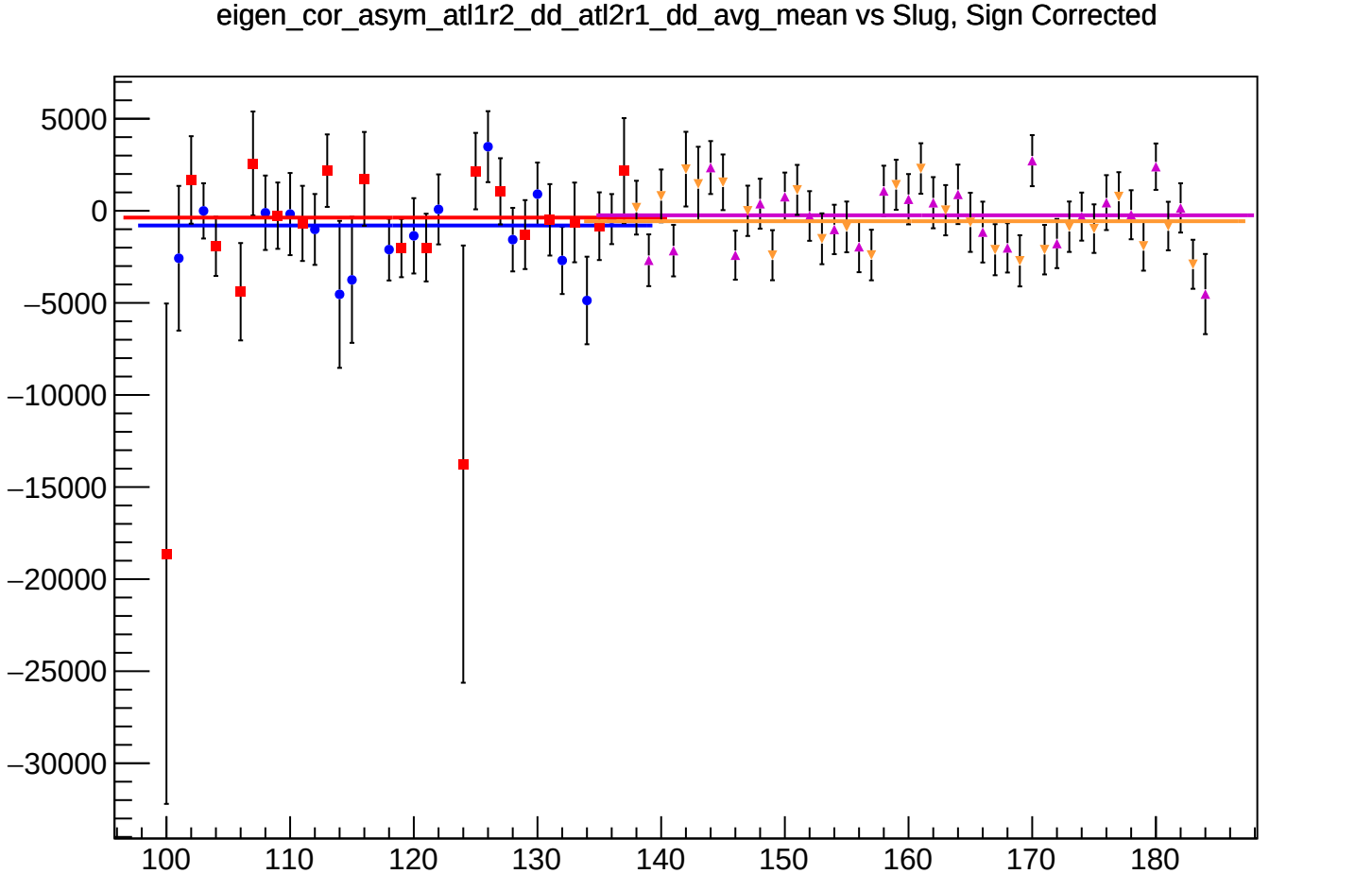
Left: 268.748+/-0.033 χ^2/NDF: 7427470.9/46

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 286.687+/-0.044 χ^2/NDF:7747109.0/38

Out: 280.393+/-0.043 χ^2/NDF:9416684.1/42

All: 283.469+/-0.031 χ^2/NDF: 17174245.5/81



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: -242.663+/-291.166 χ^2/NDF:32.0/22

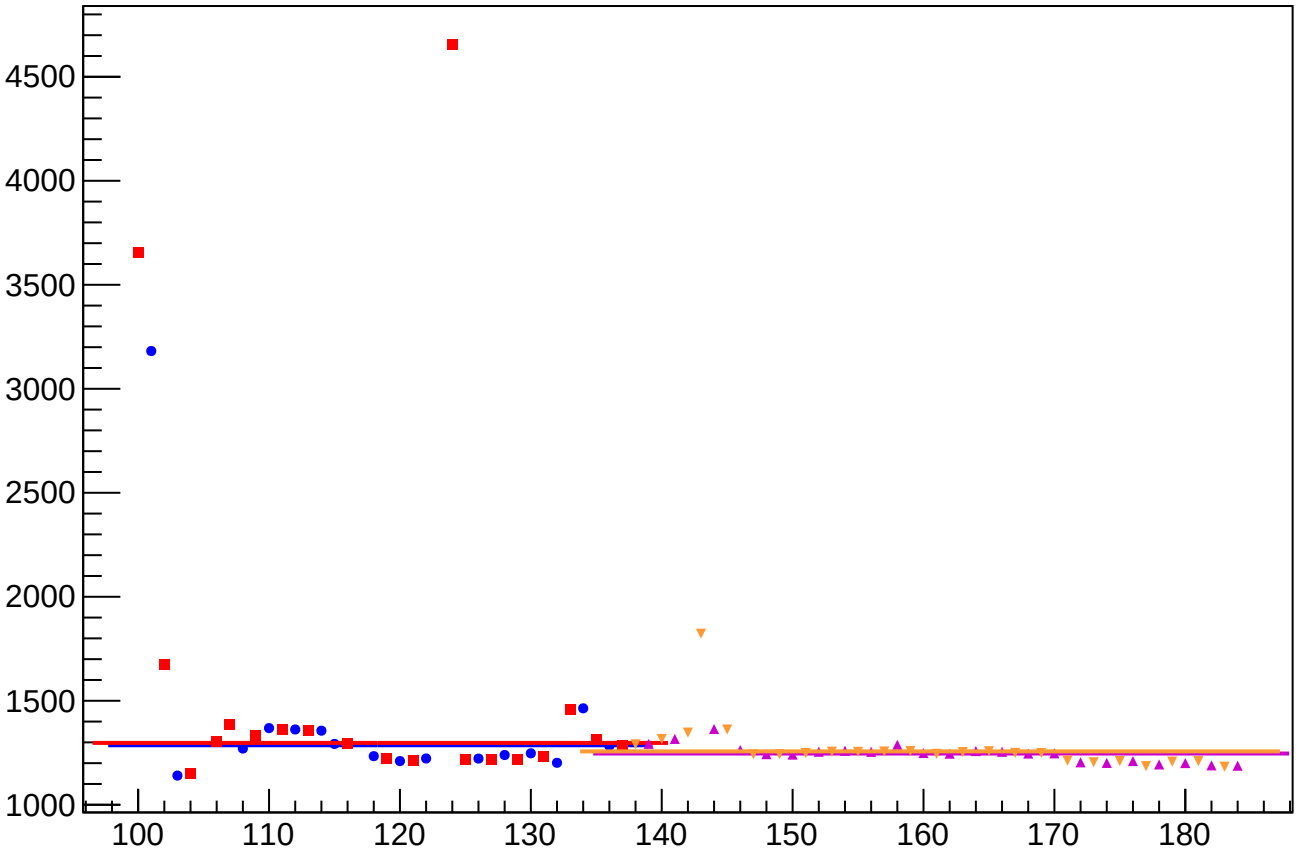
Left: -405.501+/-204.810 χ^2/NDF: 61.6/46

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -388.405+/-249.968 χ^2/NDF:46.4/38

Out: -513.664+/-247.904 χ^2/NDF:44.7/42

All: -451.554+/-176.020 χ^2/NDF: 91.2/81



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: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.570+/-0.145 χ^2/NDF: 242107.5/46

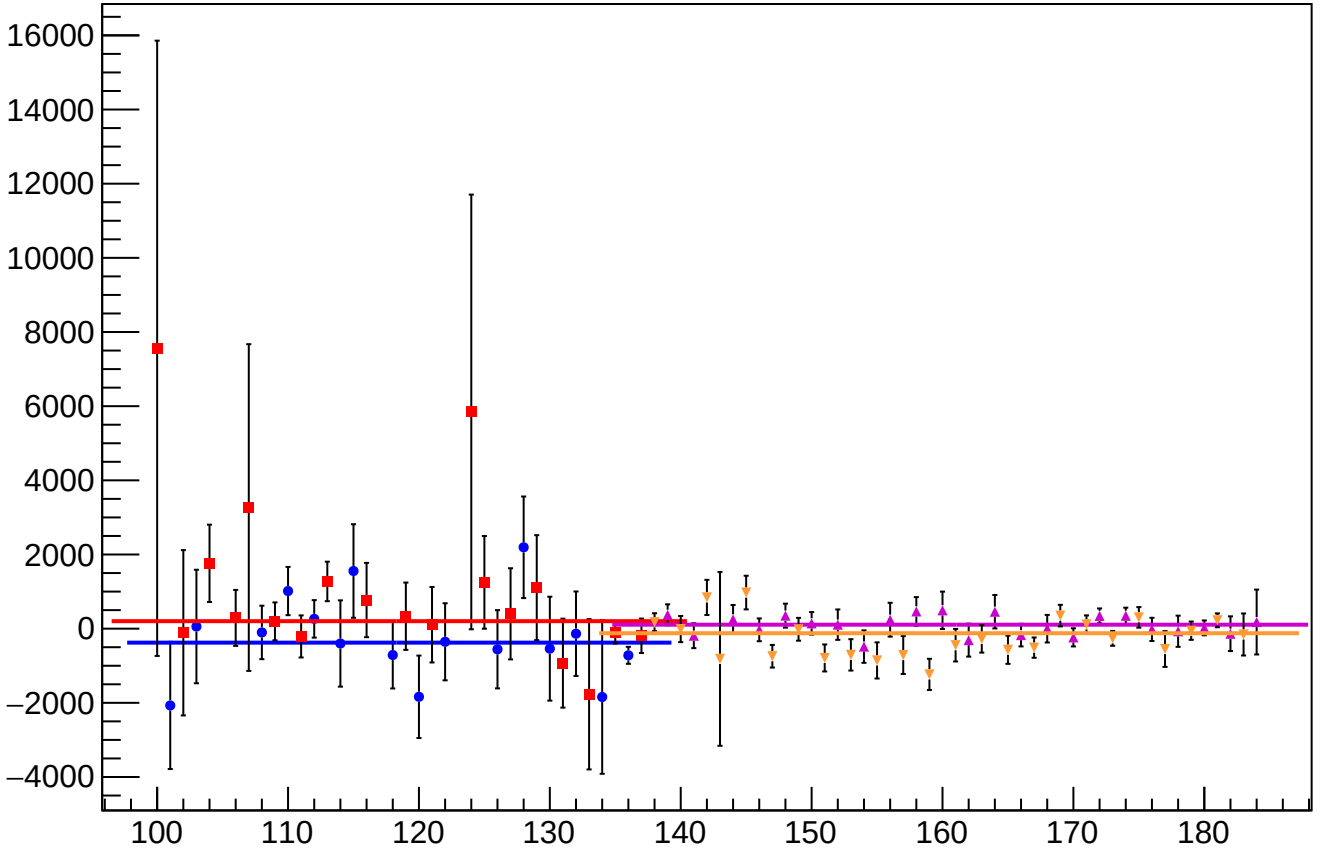
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1256.805+/-0.177 χ^2/NDF:567783.9/38

Out: 1267.257+/-0.175 χ^2/NDF:539097.2/42

All: 1262.075+/-0.124 χ^2/NDF: 1108643.8/81

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: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -10.836+/-46.734 χ^2/NDF: 66.5/46

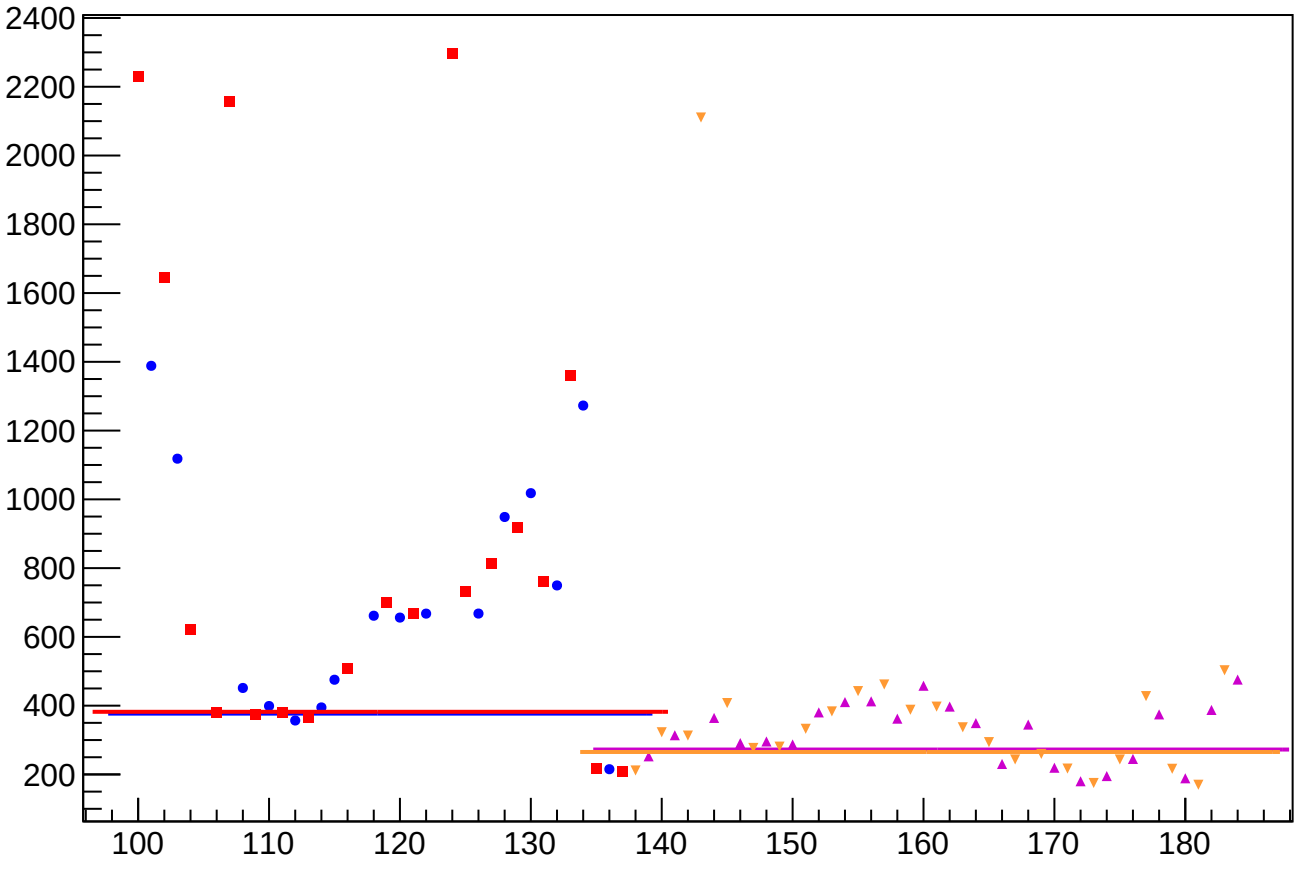
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 41.159+/-62.247 χ^2/NDF:38.8/38

Out: -80.939+/-60.861 χ^2/NDF:64.0/42

All: -21.265+/-43.517 χ^2/NDF: 104.8/81

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: 272.378+/-0.047 χ^2/NDF:2887597.1/22

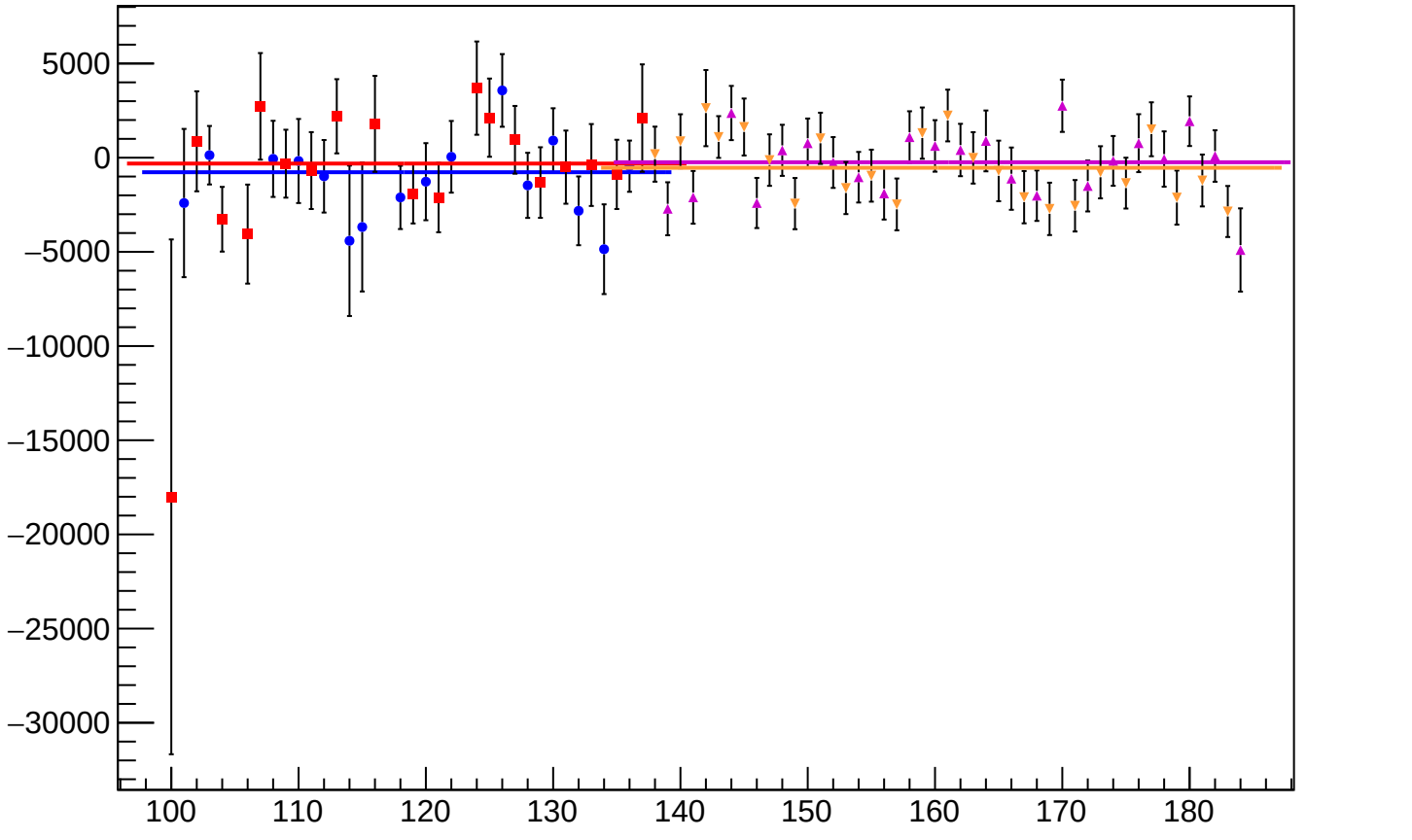
Left: 268.748+/-0.033 χ^2/NDF: 7427470.9/46

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 286.687+/-0.044 χ^2/NDF:7747109.0/38

Out: 280.393+/-0.043 χ^2/NDF:9416684.1/42

All: 283.469+/-0.031 χ^2/NDF: 17174245.5/81



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: -242.004+/-294.339 χ^2/NDF:30.7/22

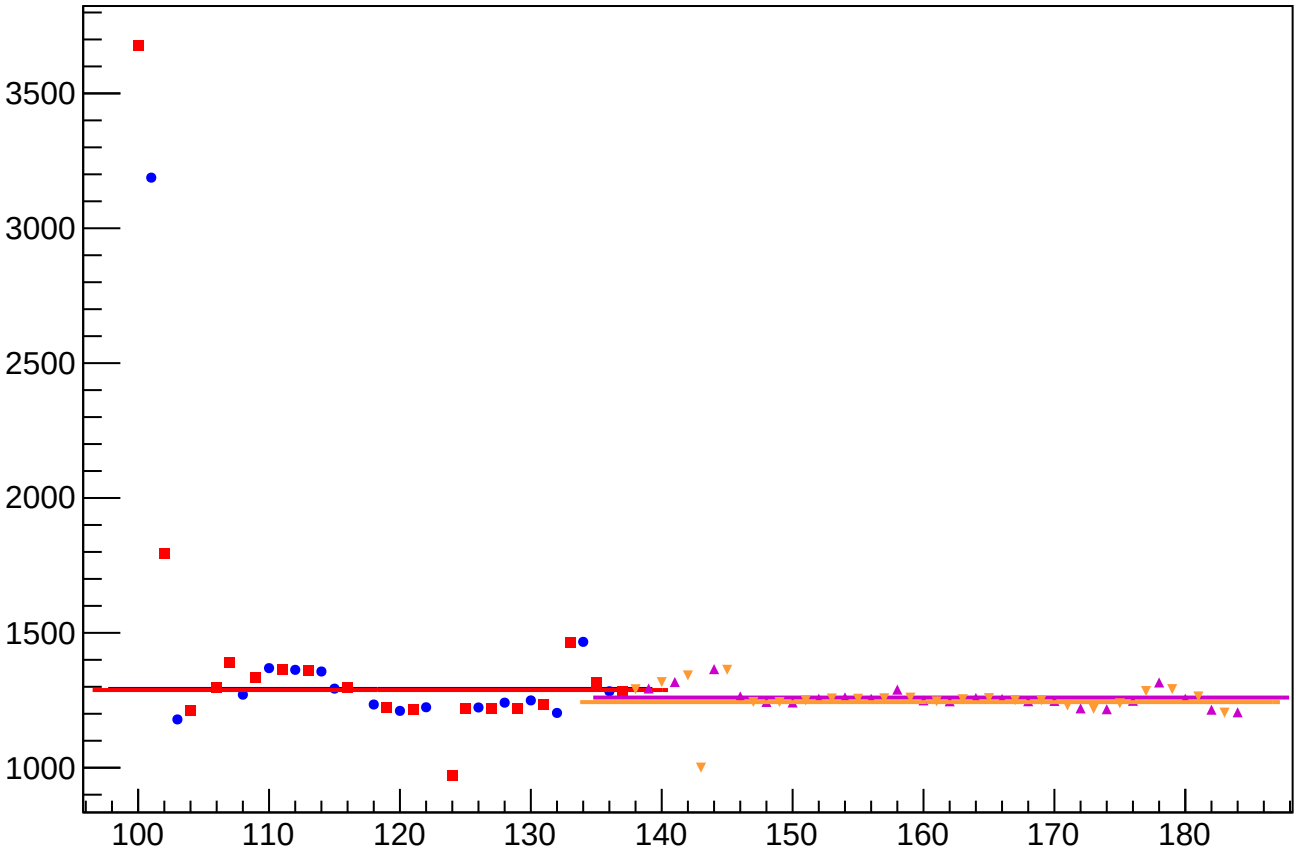
Left: -393.279+/-204.678 χ^2/NDF: 64.0/46

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -382.570+/-252.263 χ^2/NDF:45.1/38

Out: -477.193+/-245.289 χ^2/NDF:50.9/42

All: -431.207+/-175.859 χ^2/NDF: 96.1/81



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: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1251.399+/-0.145 χ^2/NDF: 160461.7/46

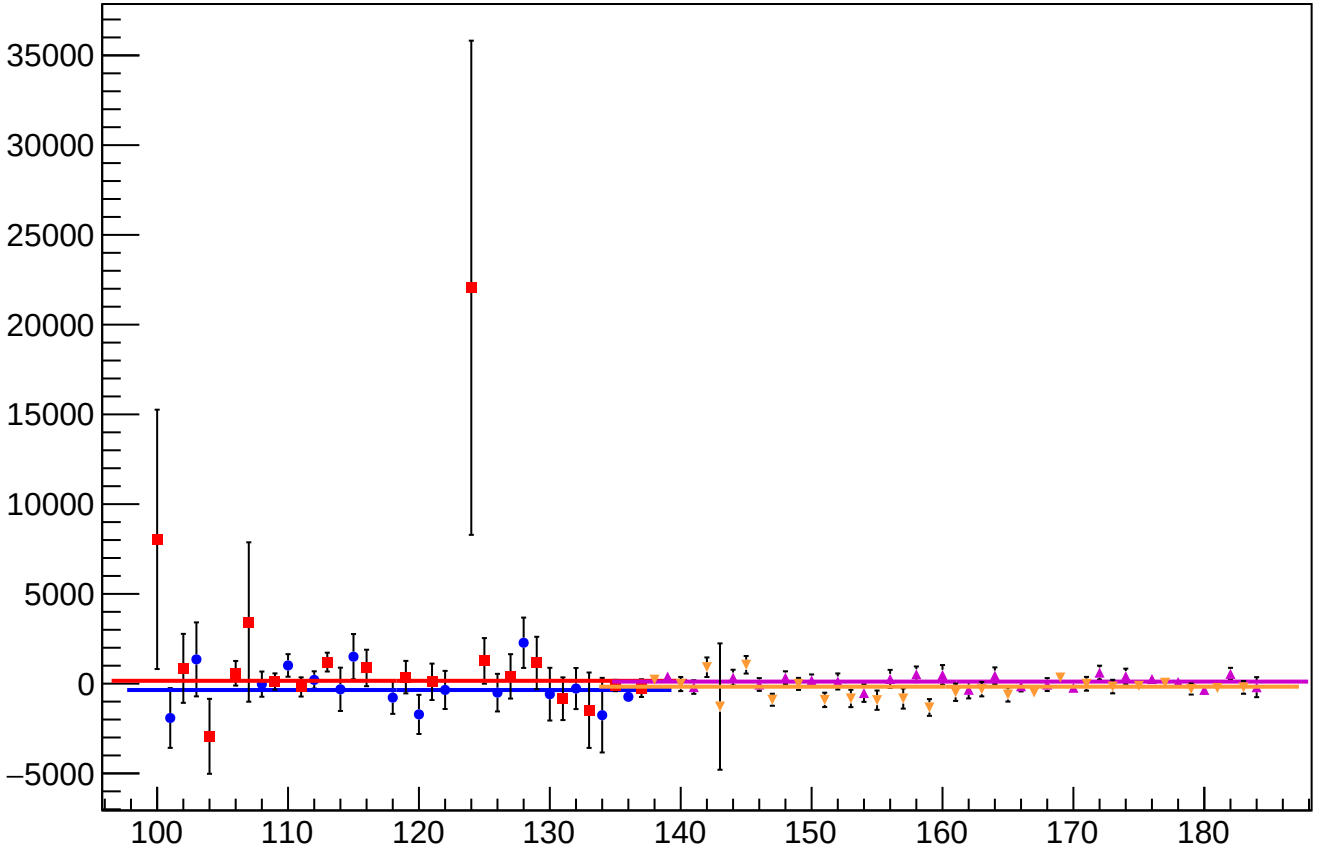
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1268.574+/-0.178 χ^2/NDF:543592.0/38

Out: 1254.811+/-0.173 χ^2/NDF:351100.7/42

All: 1261.500+/-0.124 χ^2/NDF: 897752.9/81

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: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -37.465+/-47.055 χ^2/NDF: 69.1/46

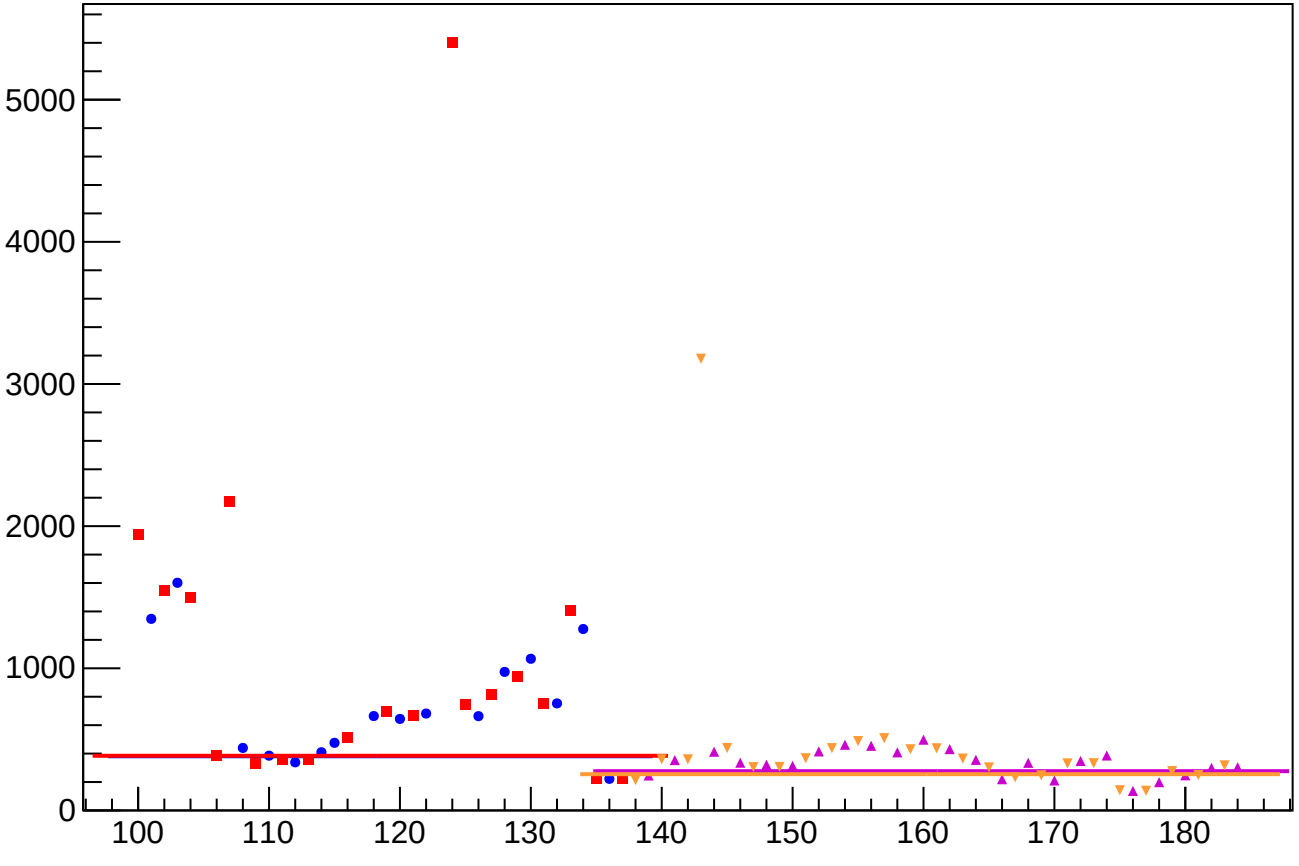
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 47.637+/-63.806 χ^2/NDF:43.2/38

Out: -128.673+/-60.263 χ^2/NDF:60.9/42

All: -45.549+/-43.811 χ^2/NDF: 108.1/81

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: 276.298+/-0.049 χ^2/NDF:4027410.5/22

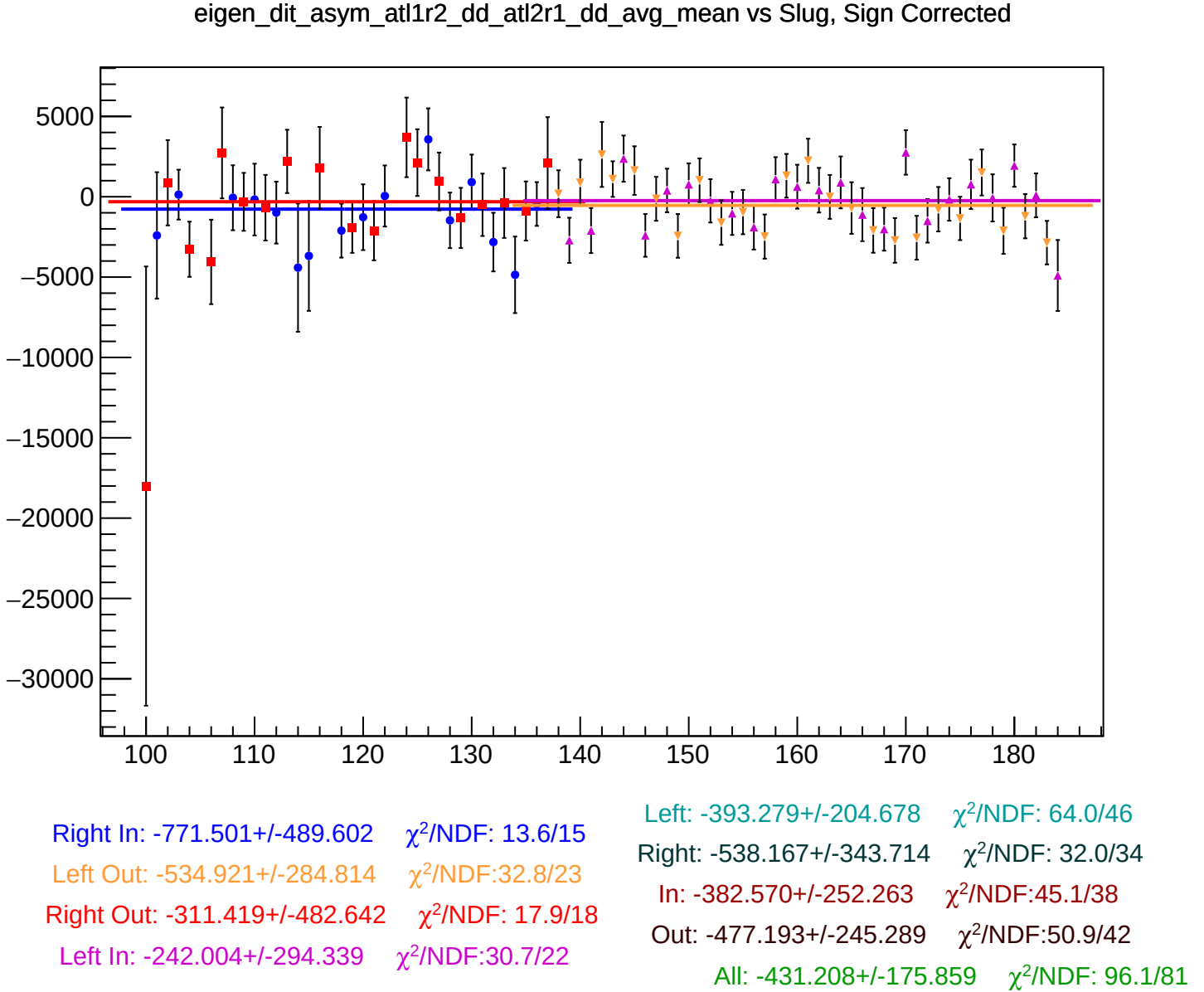
Left: 264.998+/-0.033 χ^2/NDF: 10480879.6/46

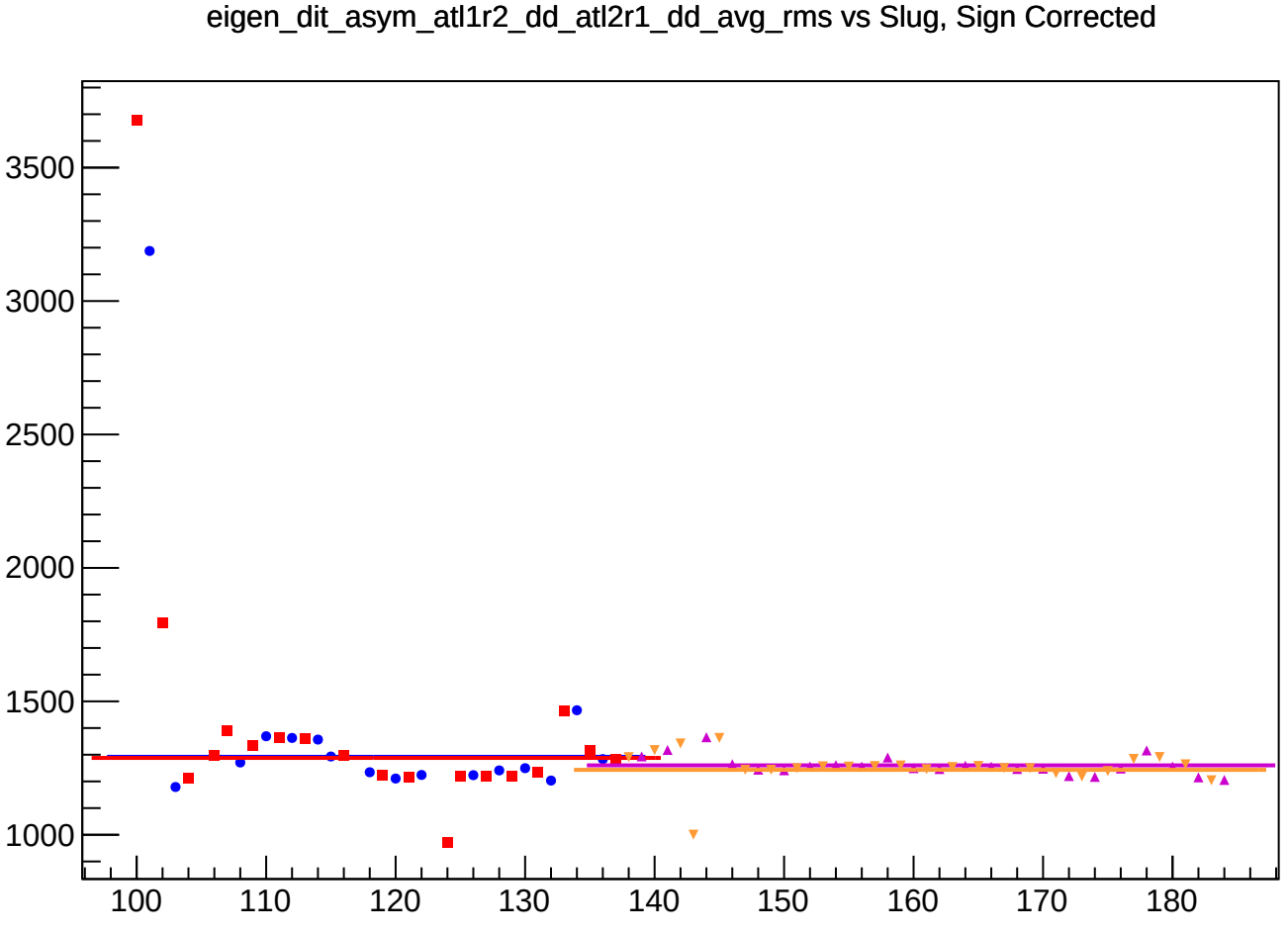
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 291.102+/-0.045 χ^2/NDF:9001649.9/38

Out: 271.433+/-0.043 χ^2/NDF:11931682.3/42

All: 280.706+/-0.031 χ^2/NDF: 21033786.4/81


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -534.921+/-284.814 χ²/NDF:32.8/23
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -242.004+/-294.339 χ²/NDF:30.7/22
Left: -393.279+/-204.678 χ²/NDF: 64.0/46
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -382.570+/-252.263 χ²/NDF:45.1/38
Out: -477.193+/-245.289 χ²/NDF:50.9/42
All: -431.208+/-175.859 χ²/NDF: 96.1/81



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: 1260.094+/-0.208 χ^2/NDF:27932.2/22

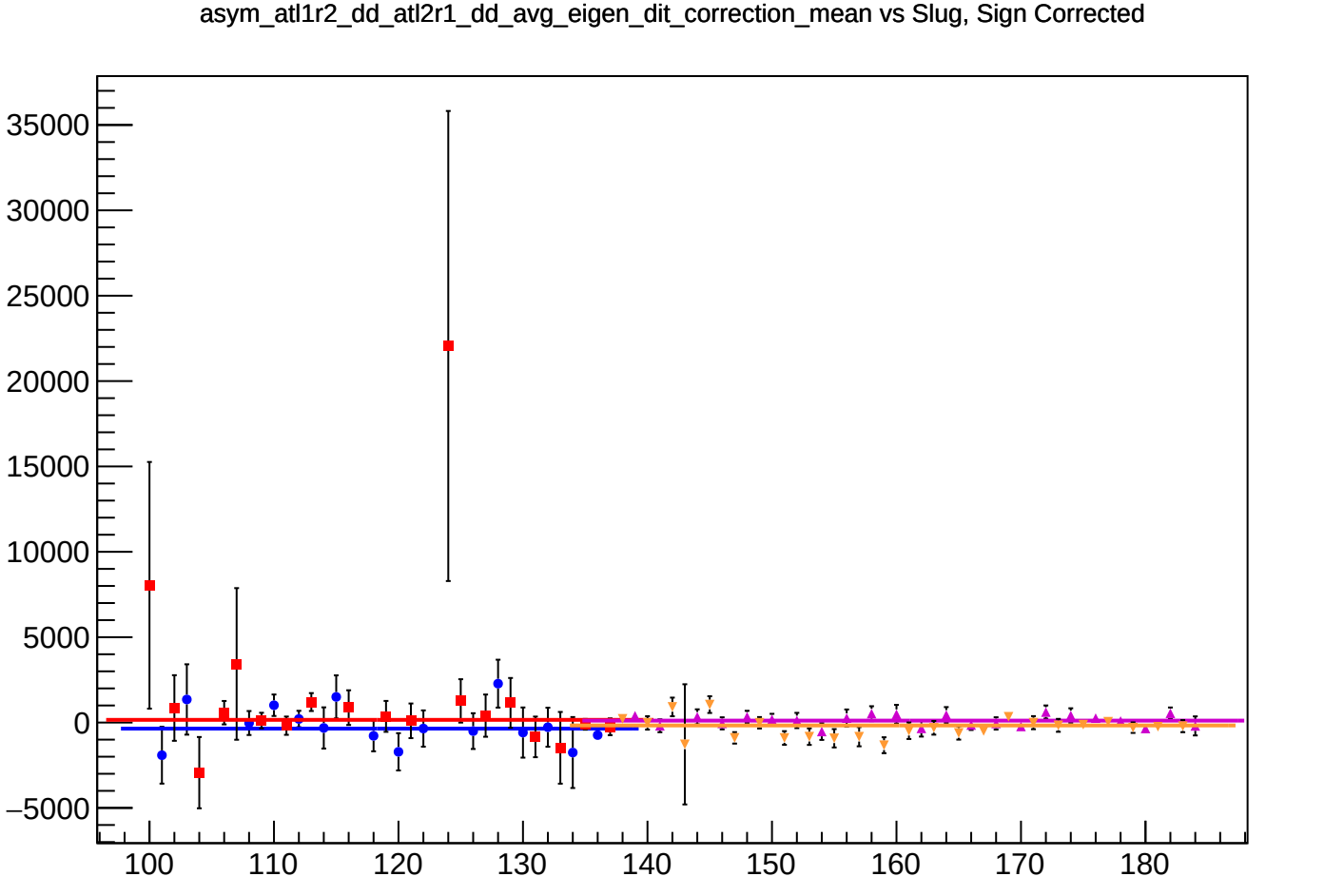
Left: 1251.399+/-0.145 χ^2/NDF: 160460.8/46

Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

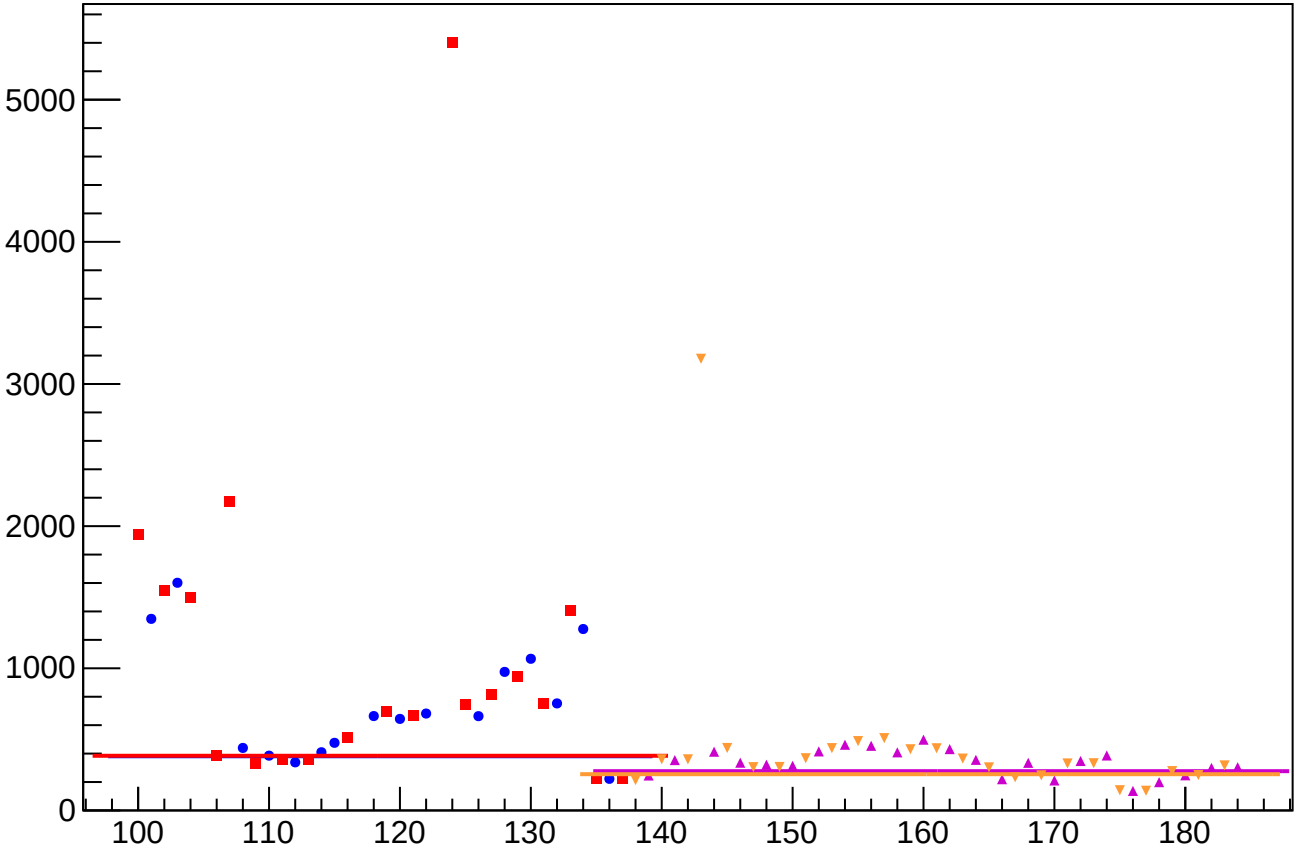
In: 1268.574+/-0.178 χ^2/NDF:543592.1/38

Out: 1254.811+/-0.173 χ^2/NDF:351100.1/42

All: 1261.499+/-0.124 χ^2/NDF: 897752.3/81


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
Right In: -355.226+/-169.973 χ²/NDF: 18.4/15
Left Out: -170.053+/-64.466 χ²/NDF:41.8/23
Right Out: 157.929+/-169.667 χ²/NDF: 15.8/18
Left In: 113.720+/-68.841 χ²/NDF:18.2/22
Left: -37.468+/-47.055 χ²/NDF: 69.1/46
Right: -98.185+/-120.081 χ²/NDF: 38.8/34
In: 47.638+/-63.806 χ²/NDF:43.2/38
Out: -128.676+/-60.263 χ²/NDF:60.9/42
All: -45.550+/-43.811 χ²/NDF: 108.1/81

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: 276.299+/-0.049 χ^2/NDF:4027371.0/22

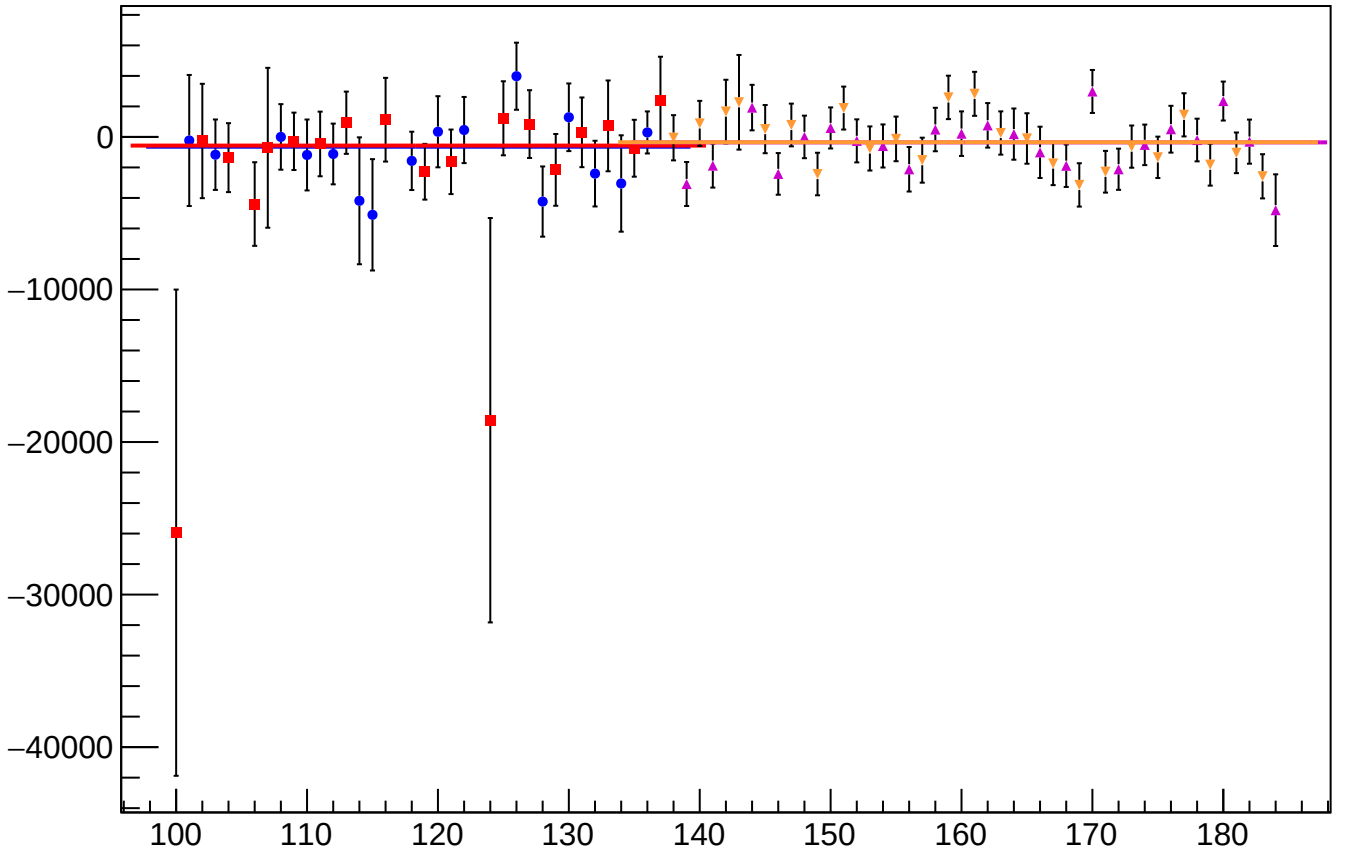
Left: 264.999+/-0.033 χ^2/NDF: 10480733.1/46

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 291.104+/-0.045 χ^2/NDF:9001525.1/38

Out: 271.435+/-0.043 χ^2/NDF:11931521.1/42

All: 280.708+/-0.031 χ^2/NDF: 21033495.4/81



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: -356.387+/-301.902 χ^2/NDF:29.7/22

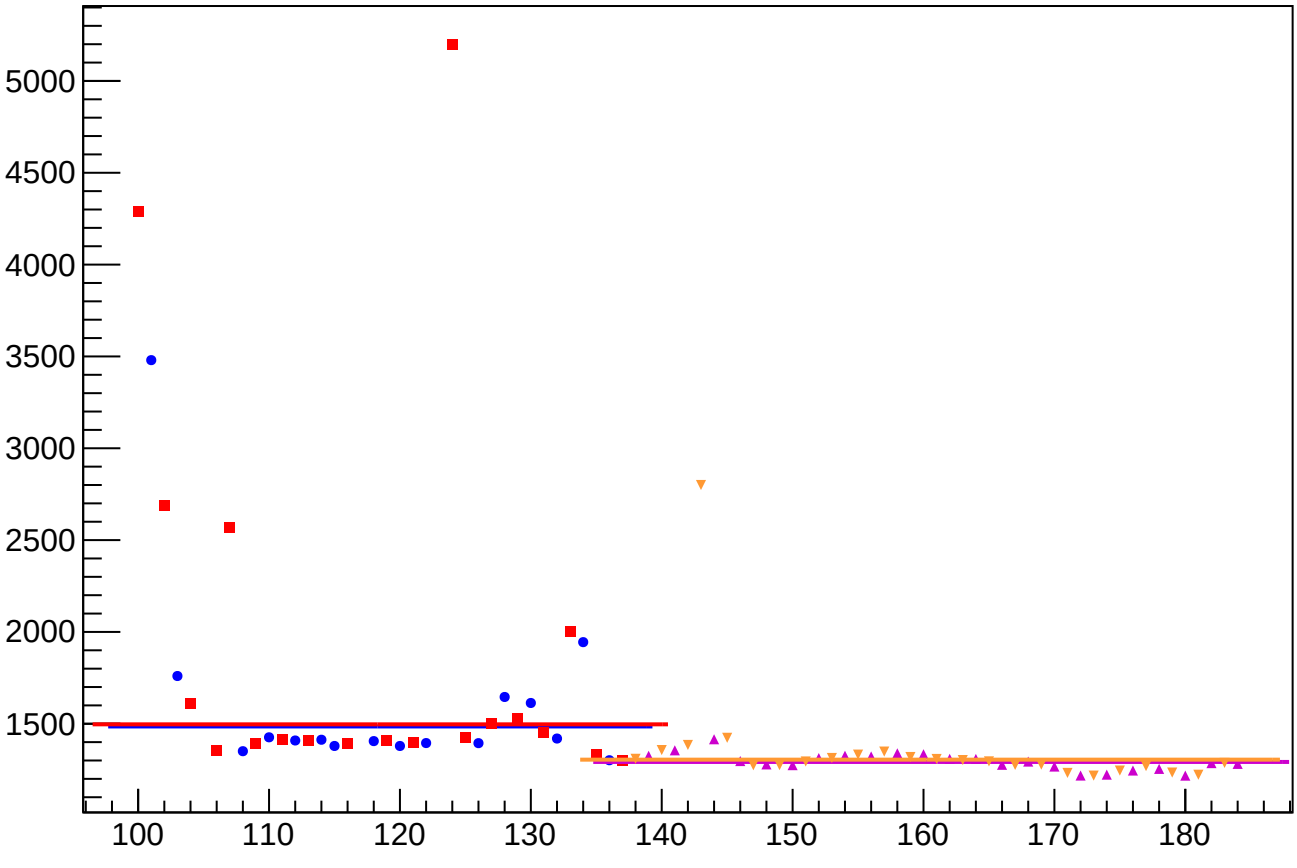
Left: -351.827+/-212.947 χ^2/NDF: 60.6/46

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -419.672+/-266.207 χ^2/NDF:42.3/38

Out: -395.550+/-265.430 χ^2/NDF:42.4/42

All: -407.576+/-187.961 χ^2/NDF: 84.8/81



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: 1292.123+/-0.213 χ^2/NDF:48343.1/22

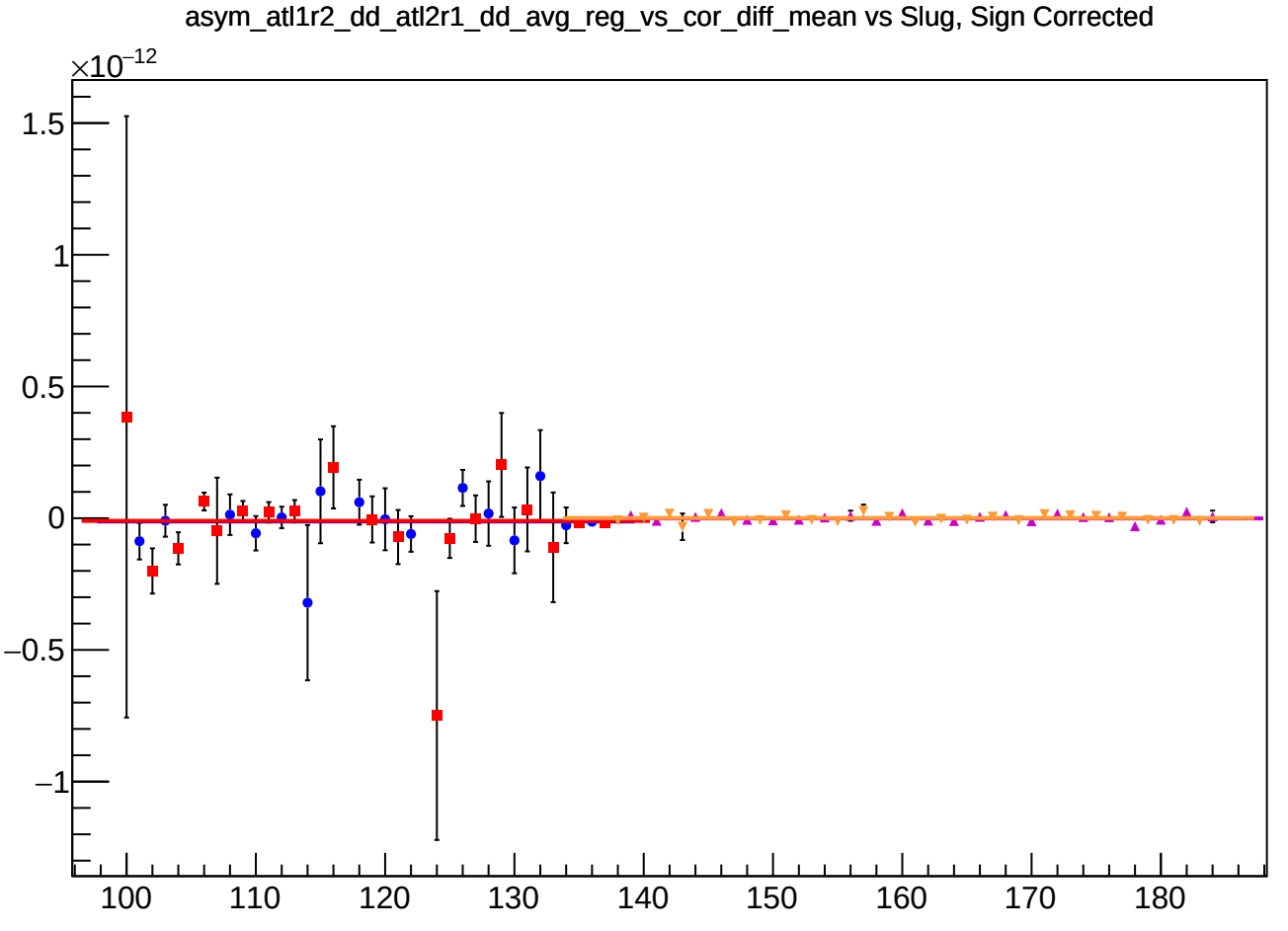
Left: 1298.378+/-0.151 χ^2/NDF: 569391.7/46

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1335.119+/-0.188 χ^2/NDF:815135.7/38

Out: 1346.746+/-0.188 χ^2/NDF:1322361.3/42

All: 1340.949+/-0.133 χ^2/NDF: 2139410.0/81



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:29.6/22

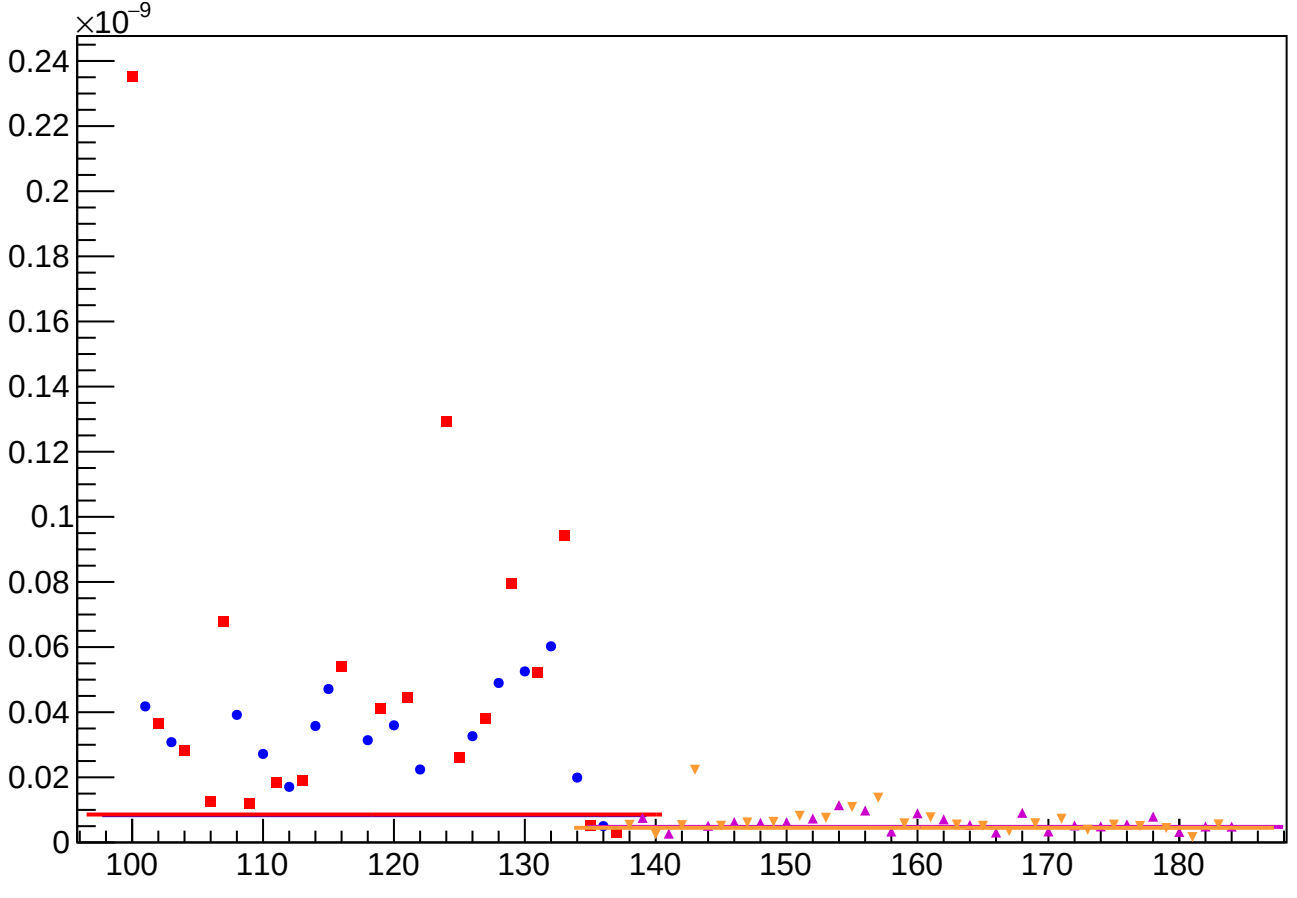
Left: -0.000+/-0.000 χ^2/NDF: 53.5/46

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:41.3/38

Out: 0.000+/-0.000 χ^2/NDF:47.6/42

All: -0.000+/-0.000 χ^2/NDF: 89.3/81



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:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4611830.8/46

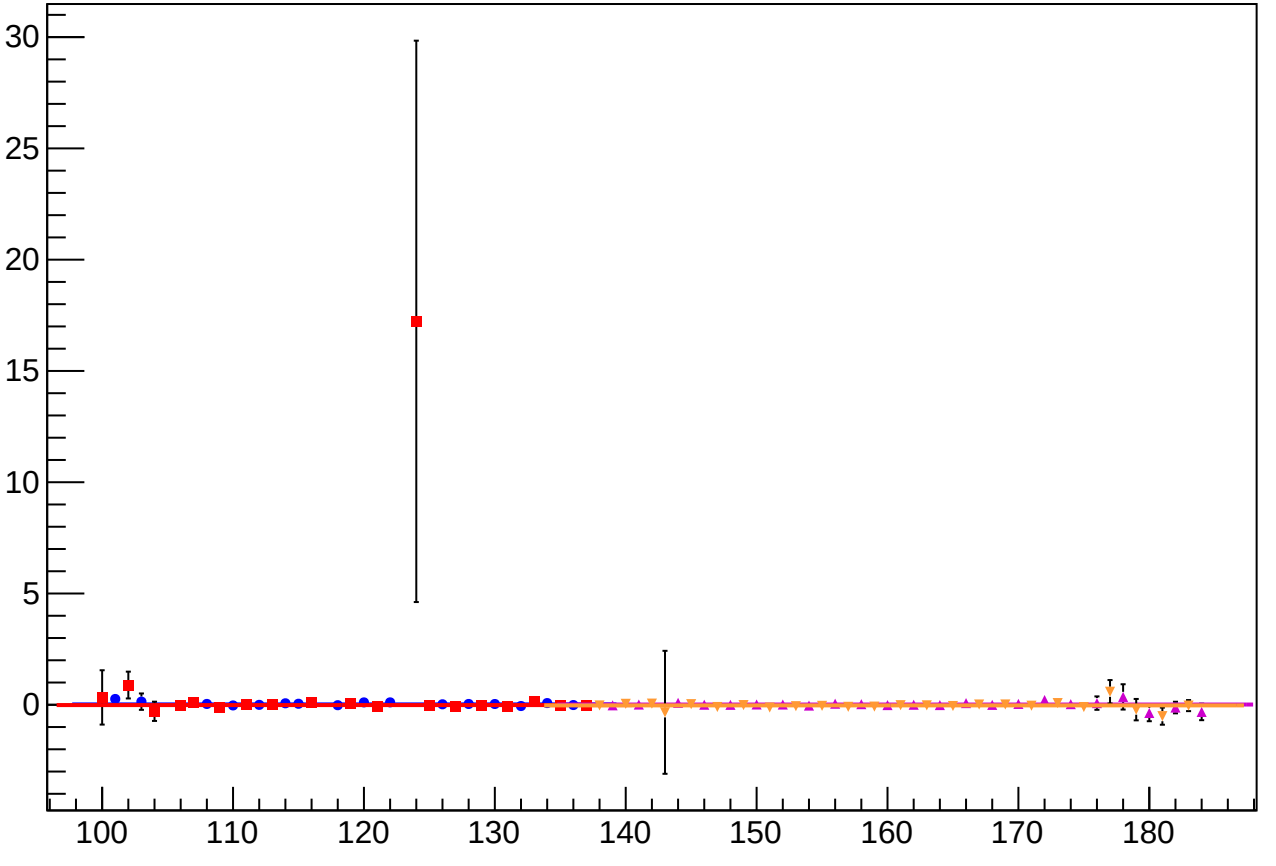
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5381926.7/38

Out: 0.000+/-0.000 χ^2/NDF:6545879.3/42

All: 0.000+/-0.000 χ^2/NDF: 11956261.6/81

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+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 48.3/46

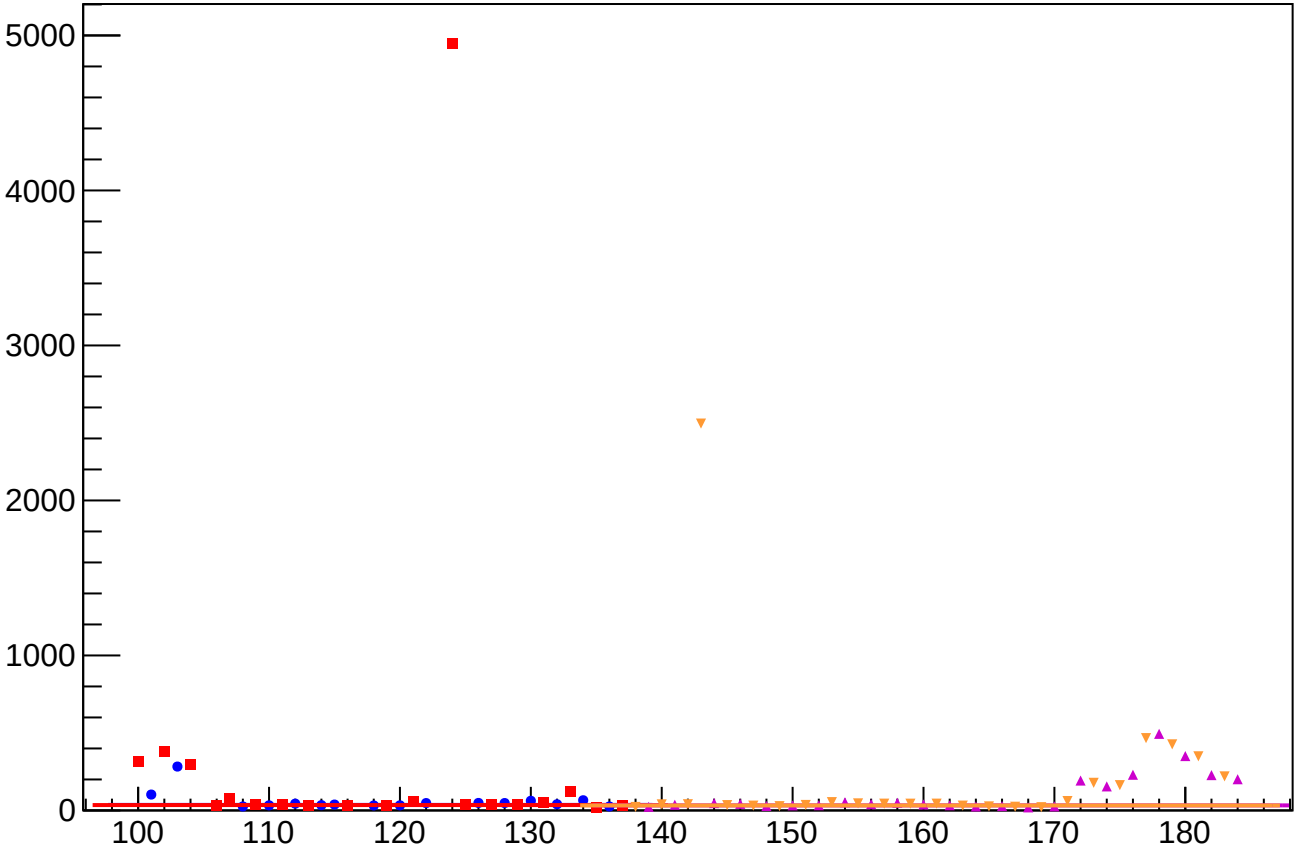
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 78.3/81

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: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.591+/-0.005 χ^2/NDF: 19494221.9/46

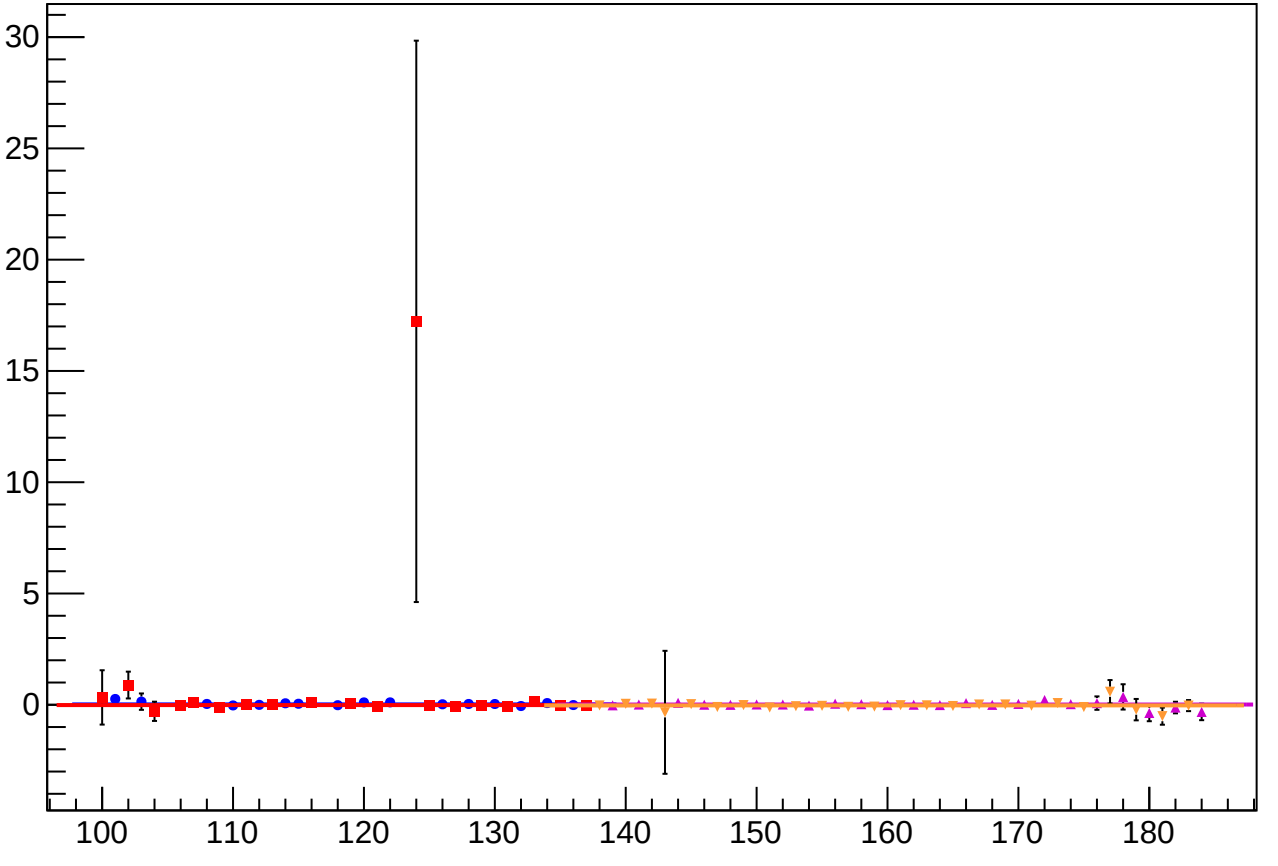
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.563+/-0.006 χ^2/NDF:11282892.1/38

Out: 33.081+/-0.006 χ^2/NDF:13477252.6/42

All: 33.323+/-0.004 χ^2/NDF: 24763673.0/81

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+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 48.3/46

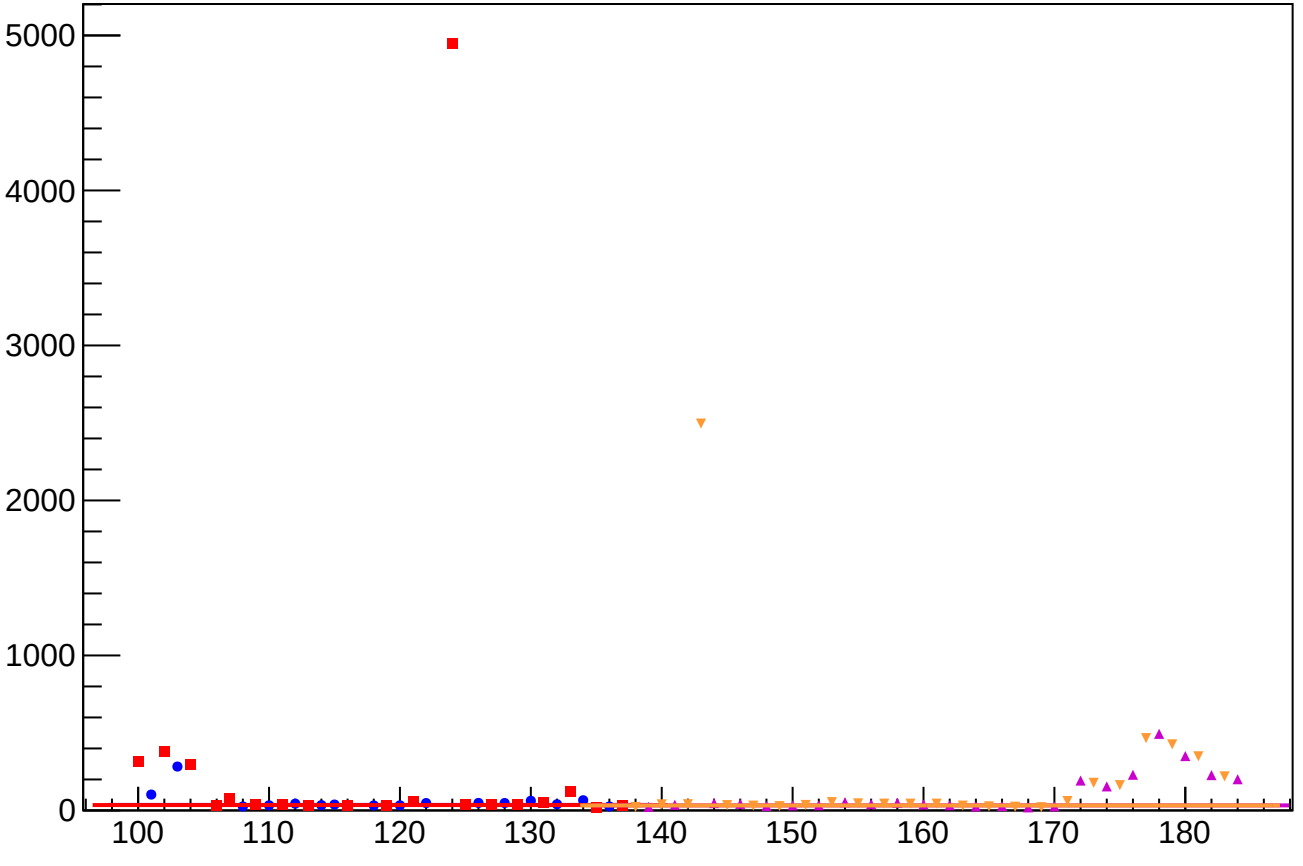
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 78.3/81

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: 32.738+/-0.007 χ^2/NDF:8963240.8/22

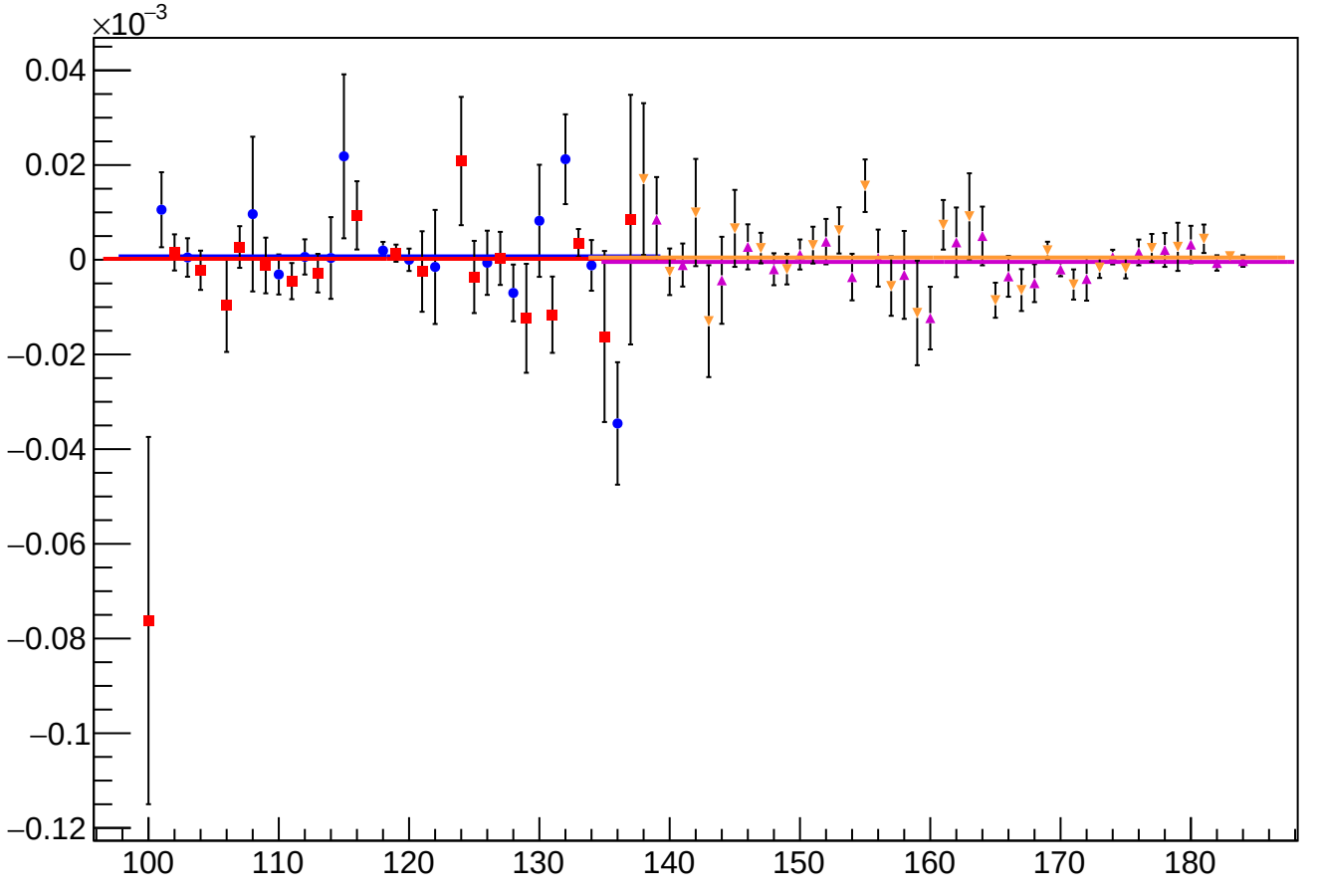
Left: 32.591+/-0.005 χ^2/NDF: 19494221.9/46

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.563+/-0.006 χ^2/NDF:11282892.1/38

Out: 33.081+/-0.006 χ^2/NDF:13477252.6/42

All: 33.323+/-0.004 χ^2/NDF: 24763673.0/81



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:13.7/22

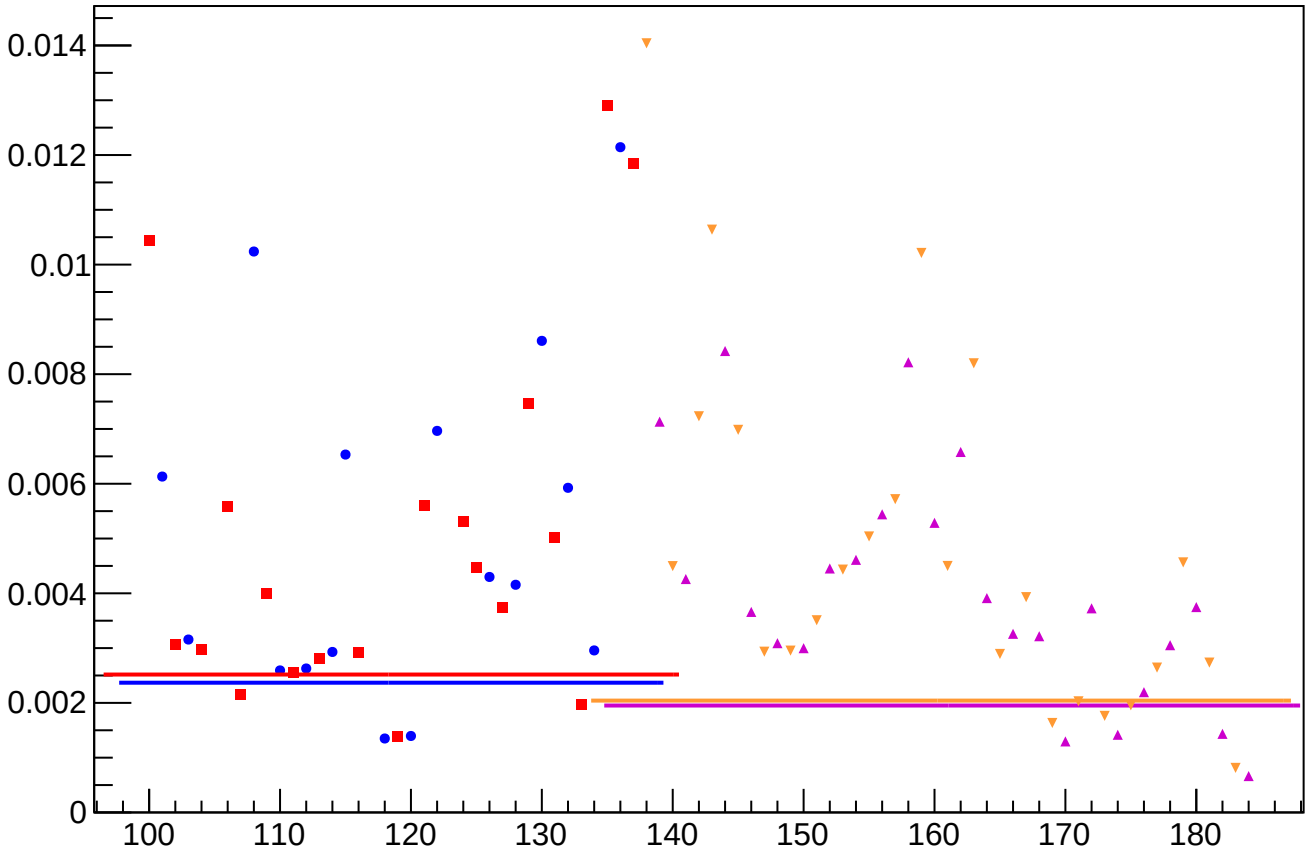
Left: -0.000+/-0.000 χ^2/NDF: 50.6/46

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:33.7/38

Out: 0.000+/-0.000 χ^2/NDF:53.8/42

All: 0.000+/-0.000 χ^2/NDF: 88.2/81



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:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 24666190.8/46

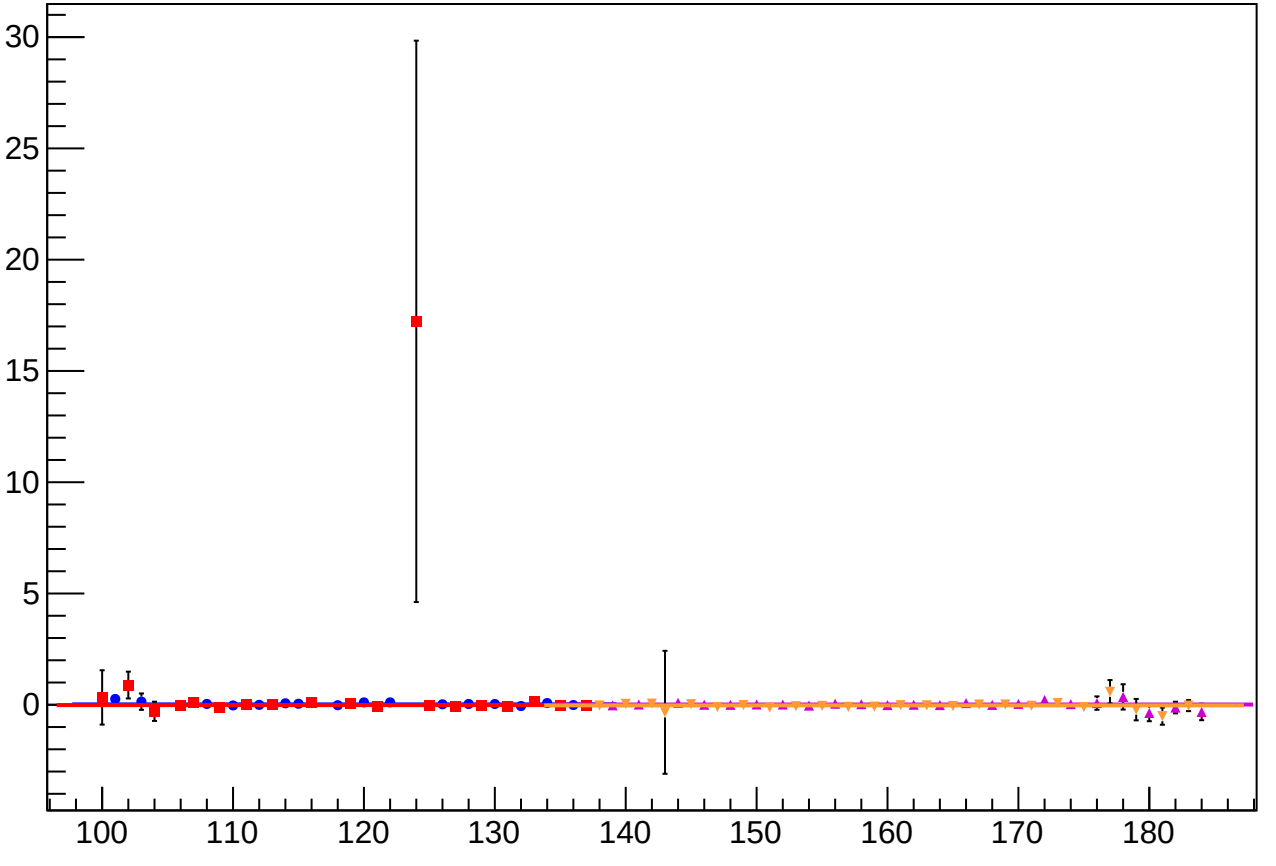
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:16421206.7/38

Out: 0.002+/-0.000 χ^2/NDF:16865294.1/42

All: 0.002+/-0.000 χ^2/NDF: 33333488.4/81

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+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 48.3/46

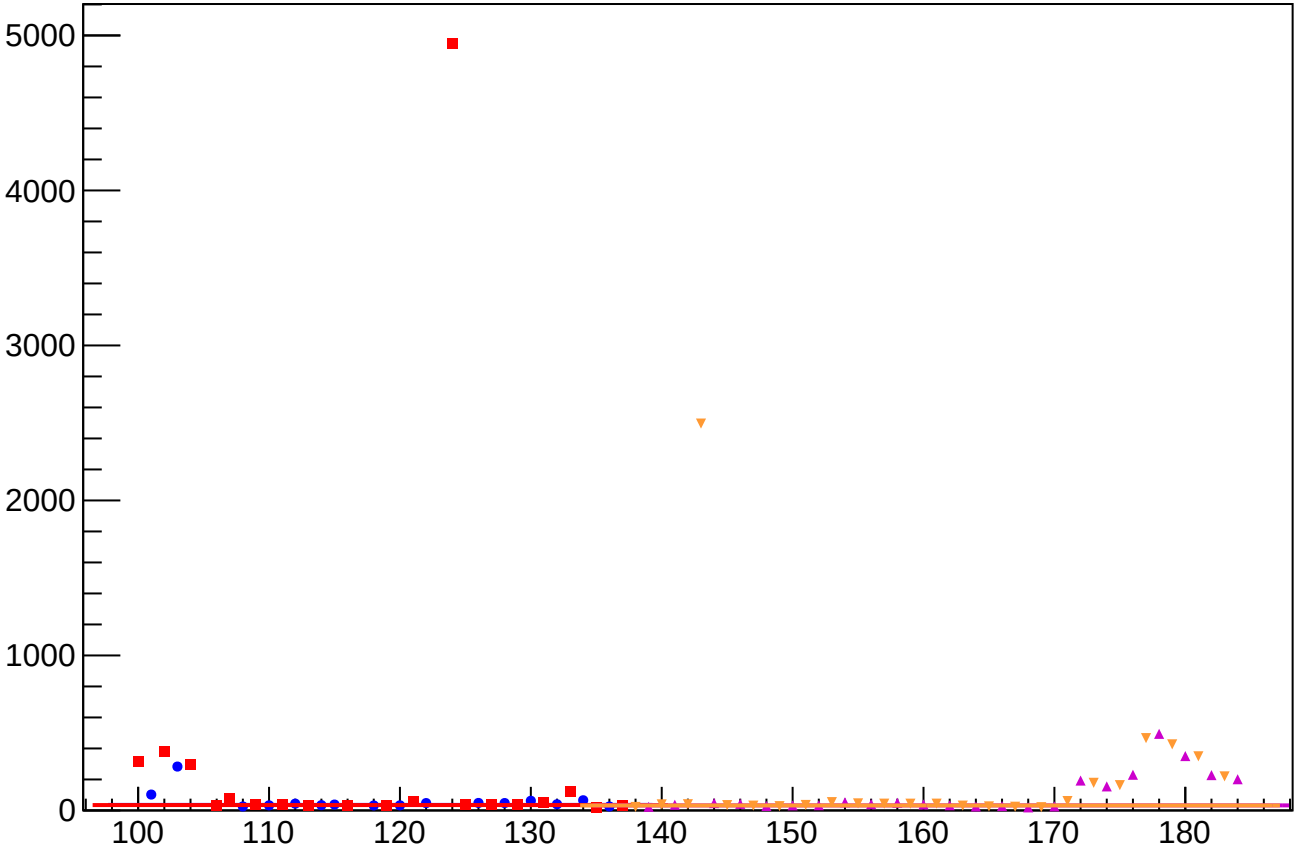
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 78.3/81

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: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.591+/-0.005 χ^2/NDF: 19495104.8/46

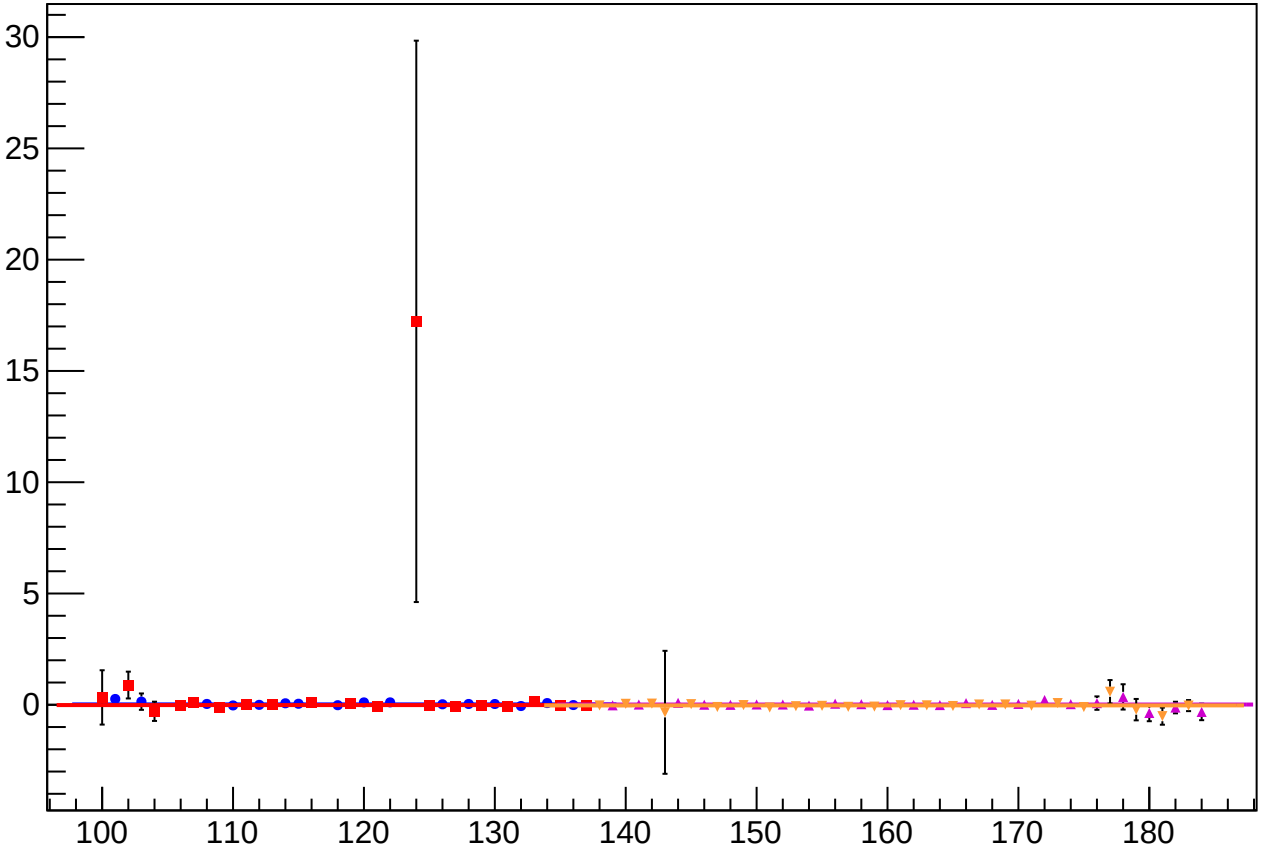
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.562+/-0.006 χ^2/NDF:11283350.5/38

Out: 33.081+/-0.006 χ^2/NDF:13477366.3/42

All: 33.323+/-0.004 χ^2/NDF: 24764235.2/81

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+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 48.3/46

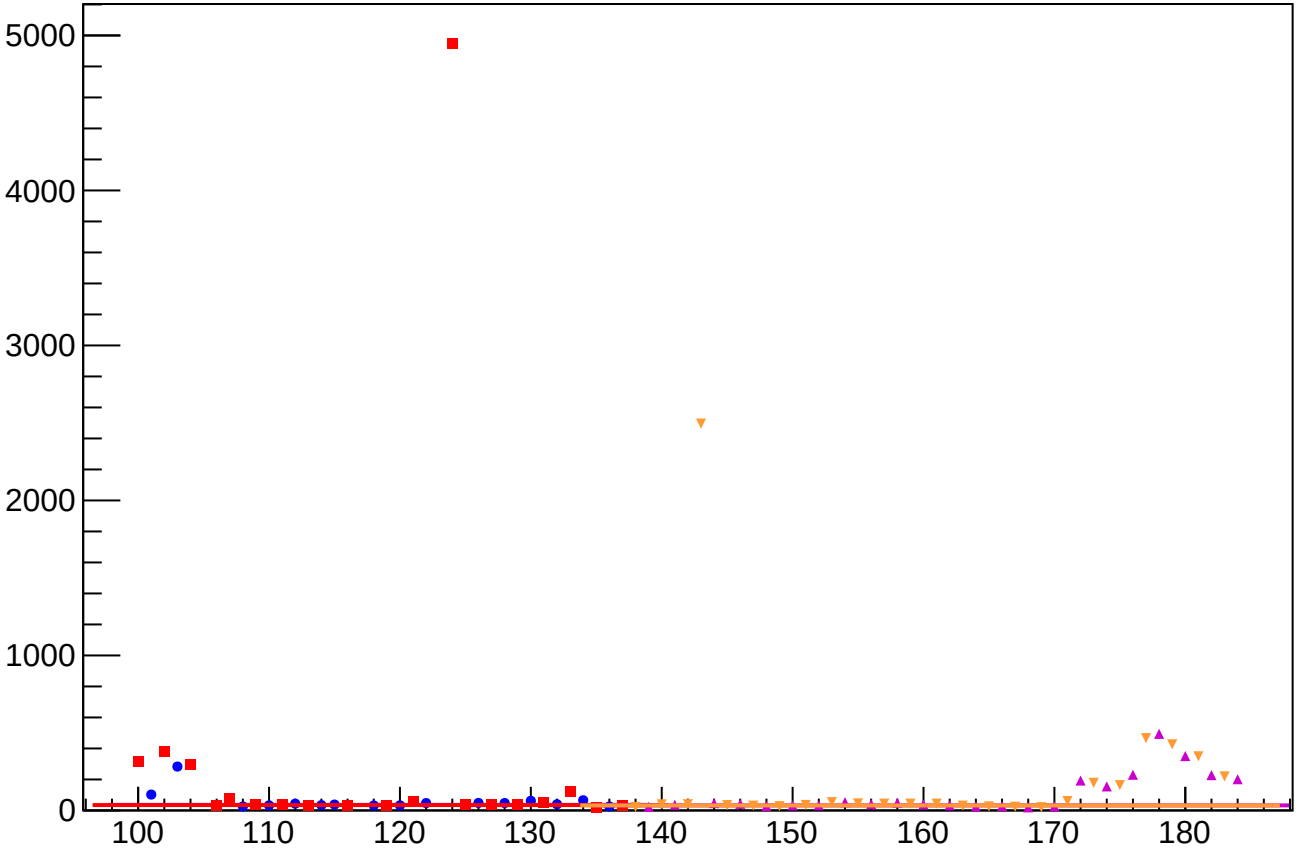
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.024+/-0.008 χ^2/NDF:43.5/42

All: -0.006+/-0.006 χ^2/NDF: 78.3/81

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: 32.737+/-0.007 χ^2/NDF:8963873.9/22

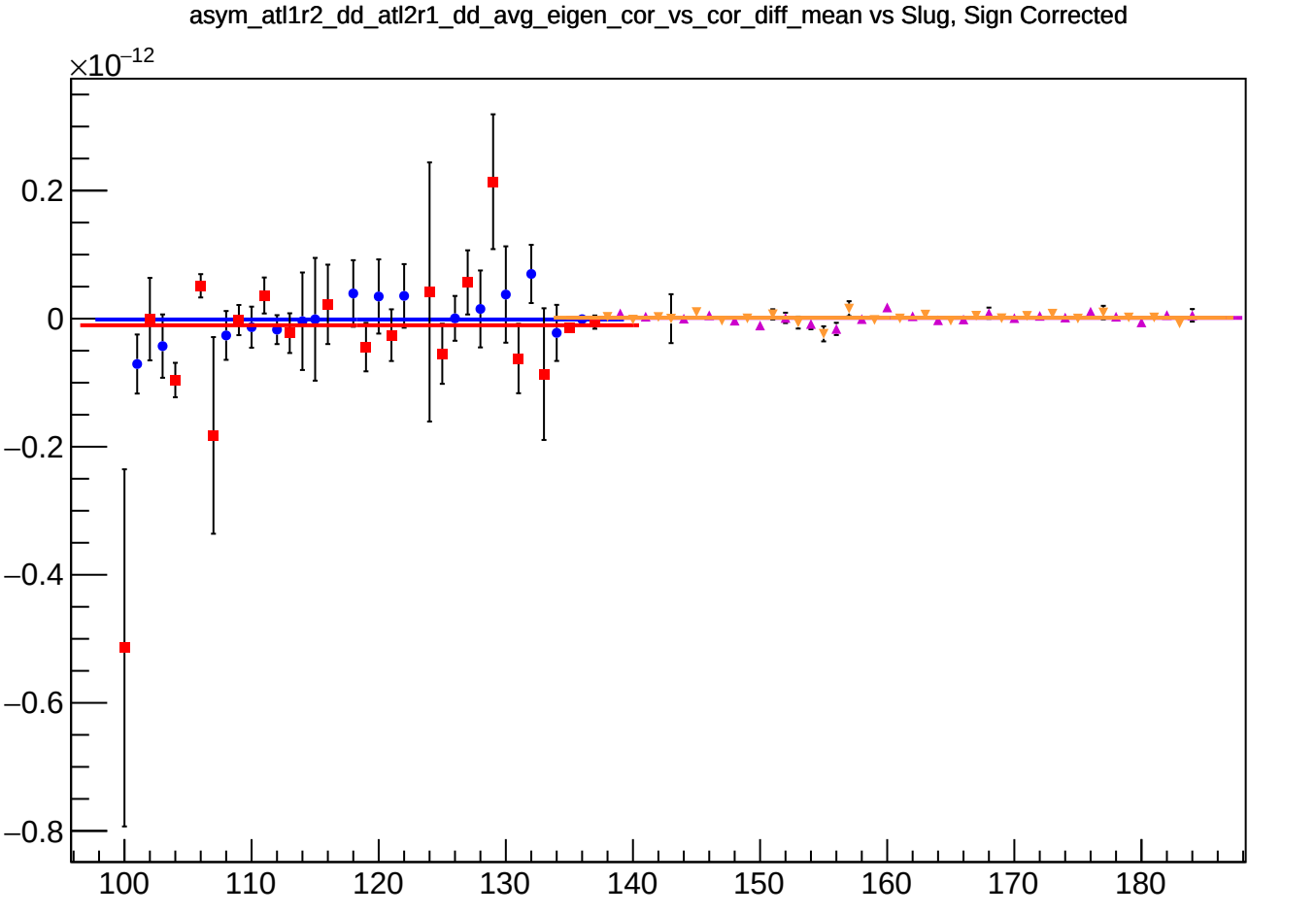
Left: 32.591+/-0.005 χ^2/NDF: 19495104.8/46

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

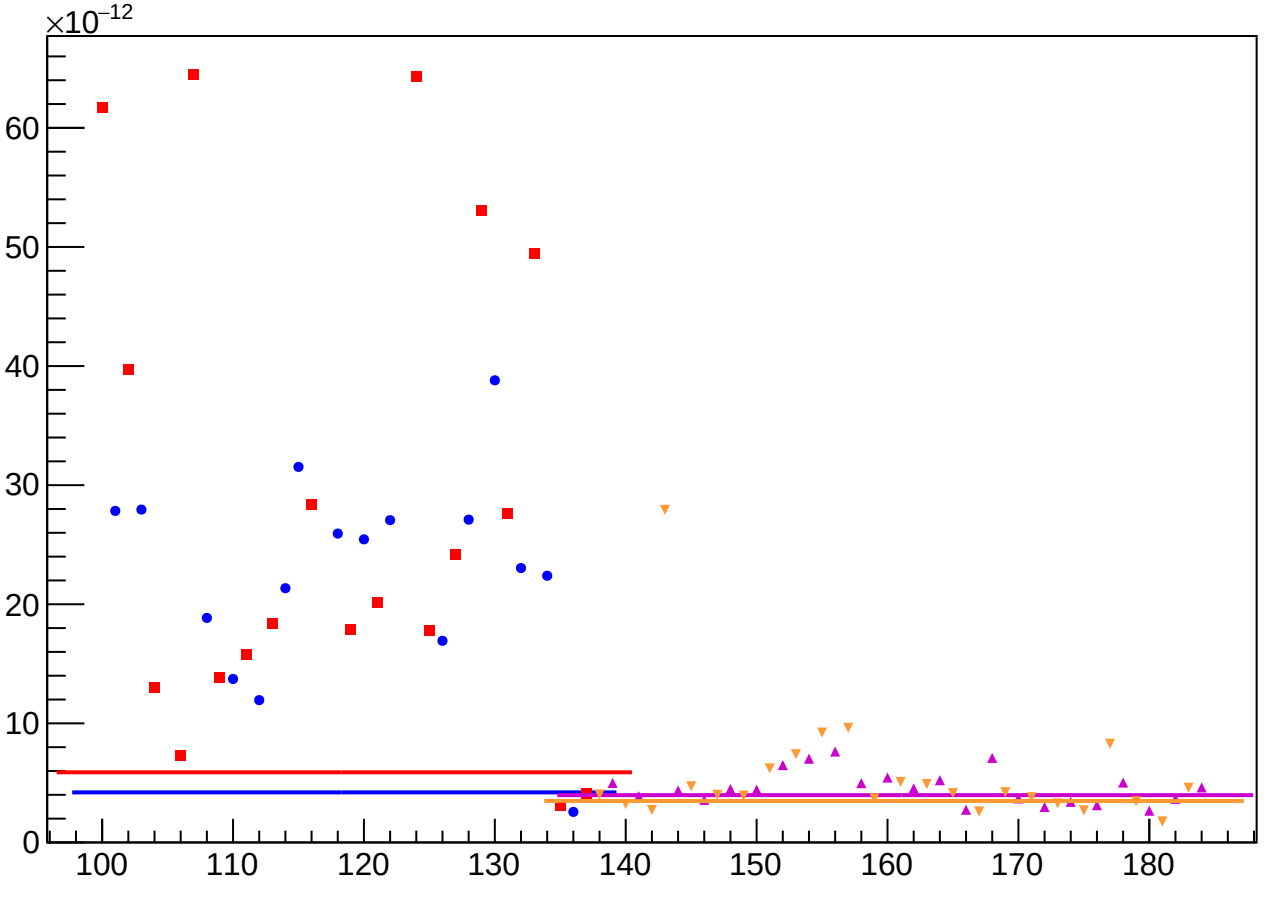
In: 33.562+/-0.006 χ^2/NDF:11283350.5/38

Out: 33.081+/-0.006 χ^2/NDF:13477366.3/42

All: 33.323+/-0.004 χ^2/NDF: 24764235.2/81


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:17.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:28.7/22
Left: 0.000+/-0.000 χ²/NDF: 46.6/46
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:37.8/38
Out: 0.000+/-0.000 χ²/NDF:65.3/42
All: 0.000+/-0.000 χ²/NDF: 103.1/81

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:2073078.0/22

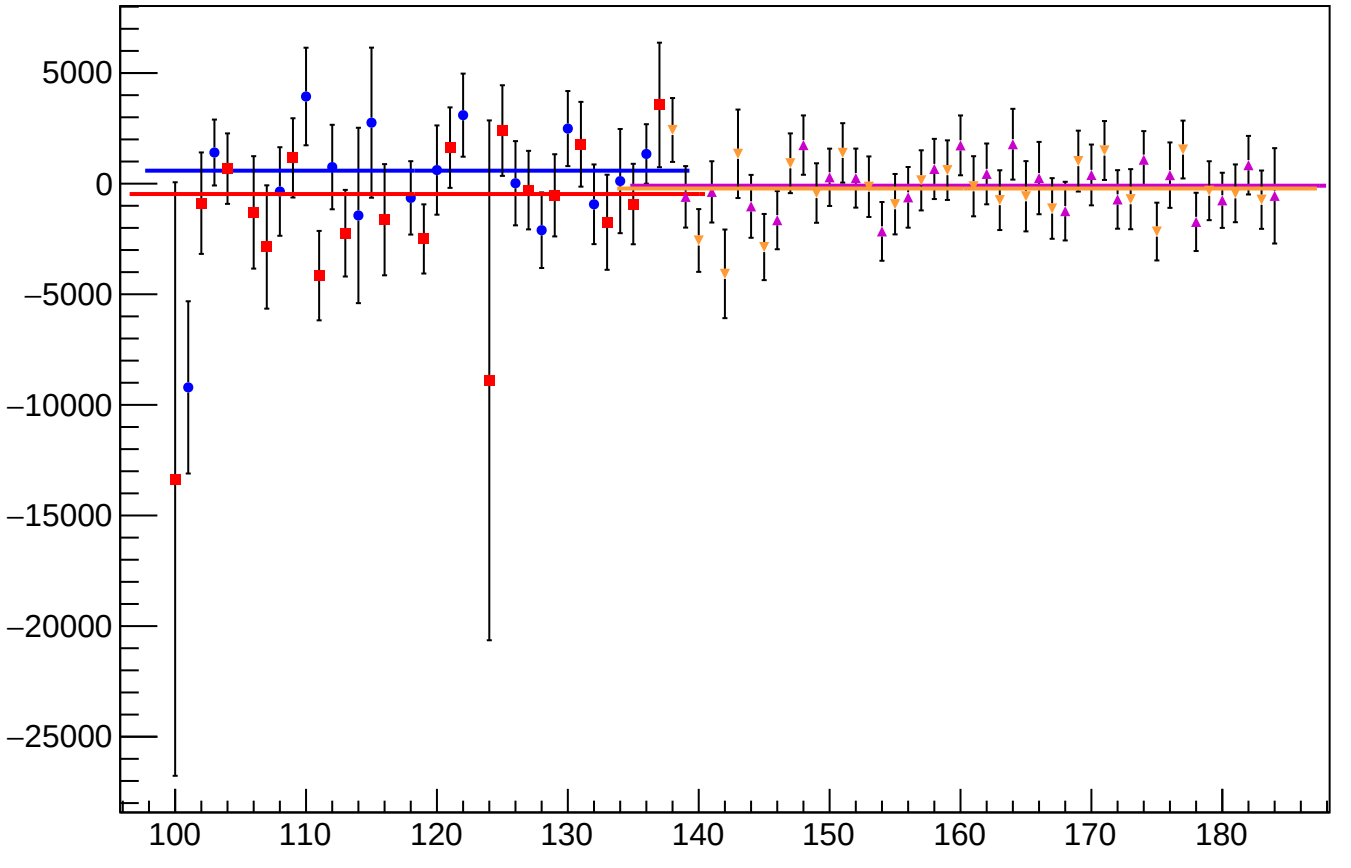
Left: 0.000+/-0.000 χ^2/NDF: 6909773.2/46

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:7161481.2/38

Out: 0.000+/-0.000 χ^2/NDF:10124214.3/42

All: 0.000+/-0.000 χ^2/NDF: 17407706.6/81



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: -92.402+/-288.217 χ^2/NDF:14.7/22

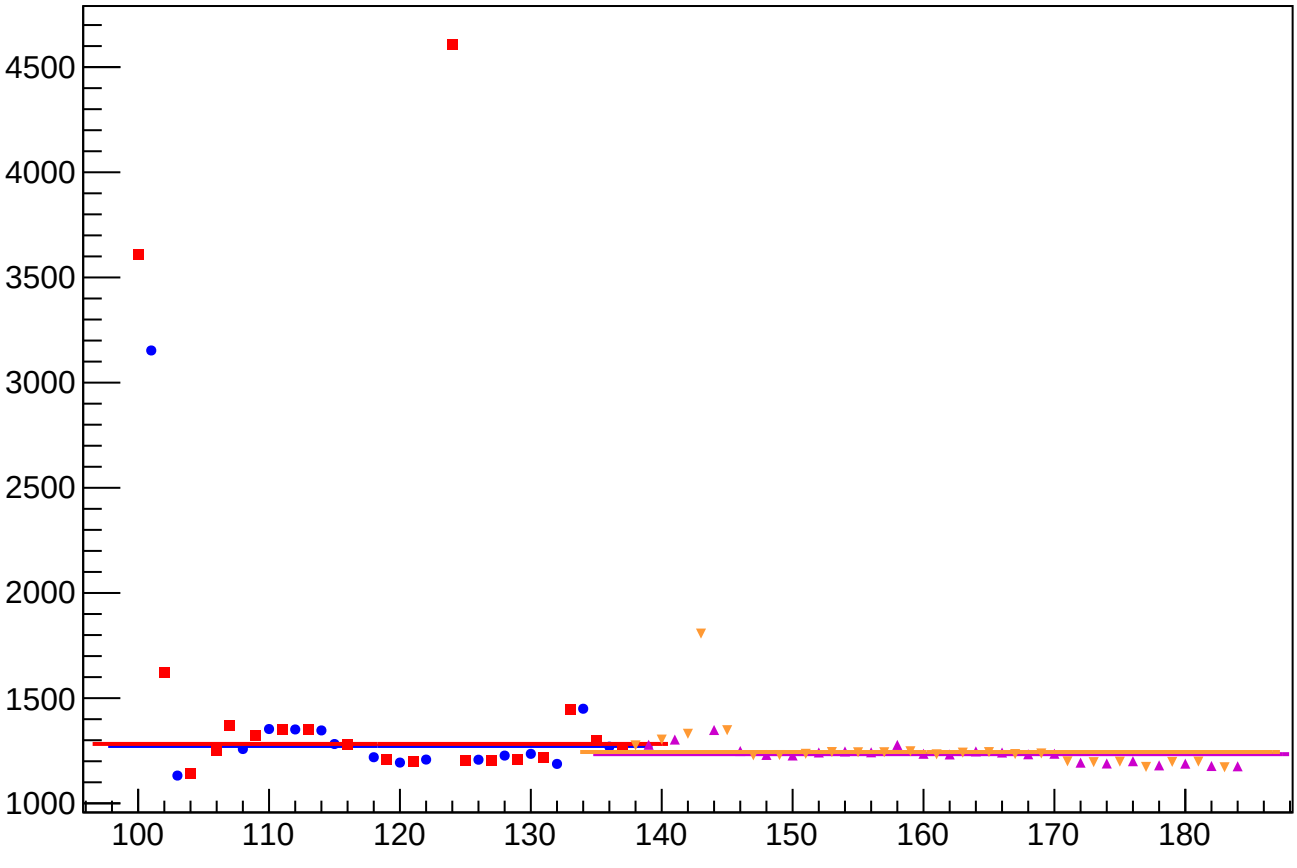
Left: -156.482+/-202.739 χ^2/NDF: 38.7/46

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 86.287+/-247.425 χ^2/NDF:33.2/38

Out: -284.324+/-245.279 χ^2/NDF:41.0/42

All: -100.633+/-174.192 χ^2/NDF: 75.3/81



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: 1233.752+/-0.204 χ^2/NDF:39281.8/22

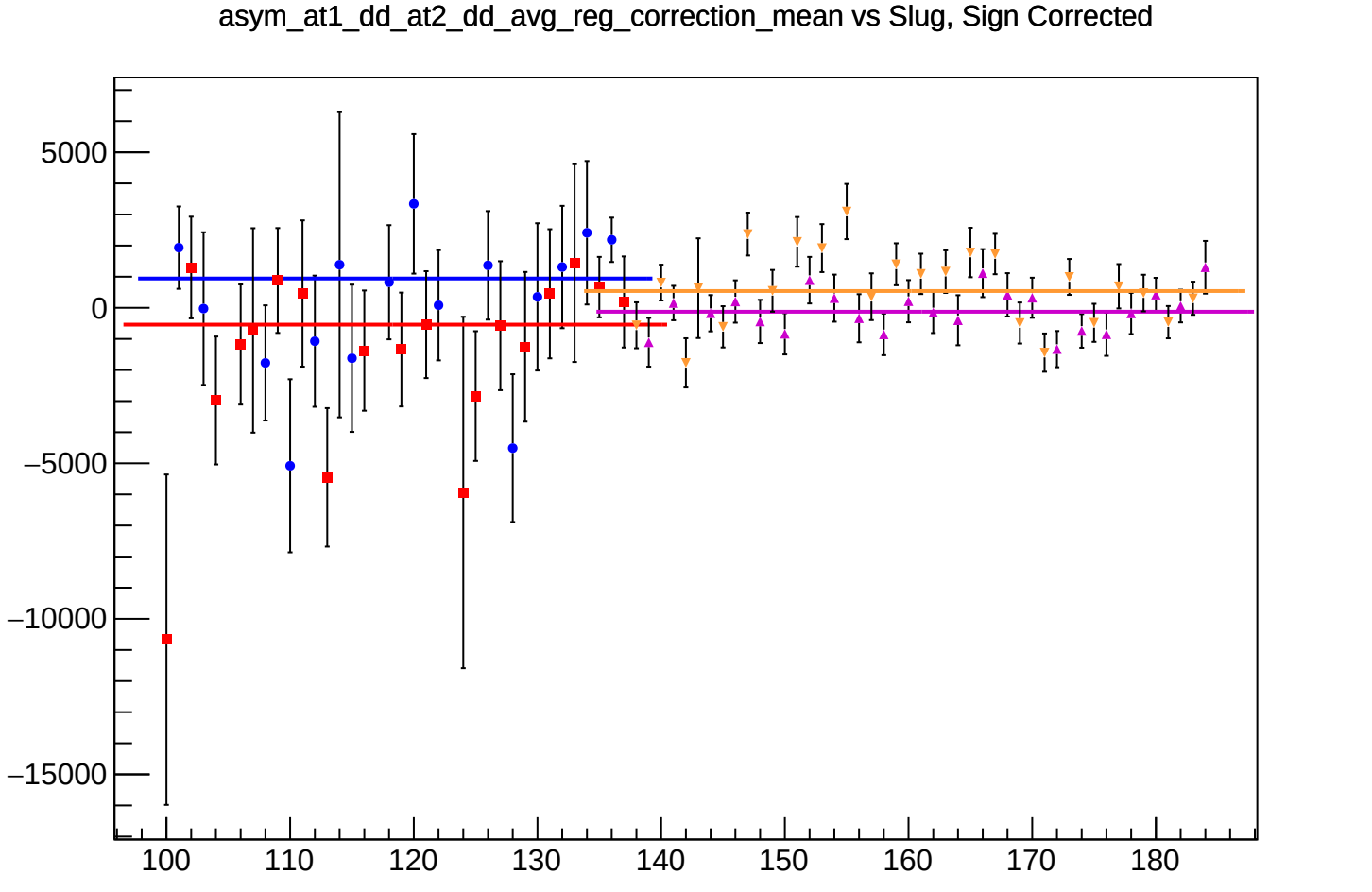
Left: 1238.927+/-0.143 χ^2/NDF: 241648.0/46

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1244.024+/-0.175 χ^2/NDF:568238.0/38

Out: 1253.993+/-0.173 χ^2/NDF:532598.0/42

All: 1249.052+/-0.123 χ^2/NDF: 1102473.5/81



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: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 206.914+/-97.056 χ^2/NDF: 99.0/46

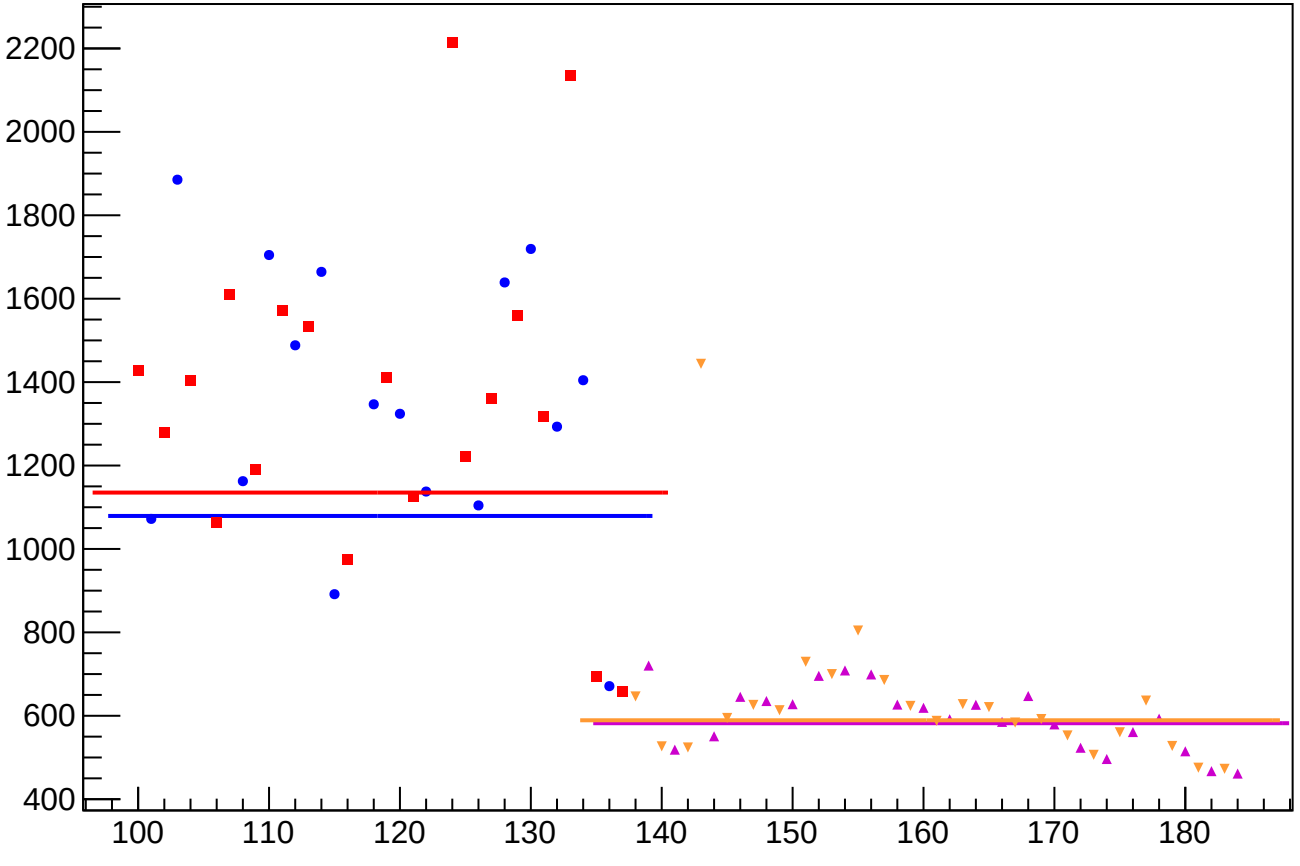
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -26.012+/-130.646 χ^2/NDF:47.2/38

Out: 444.430+/-131.021 χ^2/NDF:88.3/42

All: 208.536+/-92.513 χ^2/NDF: 142.0/81

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: 582.190+/-0.097 χ^2/NDF:559261.3/22

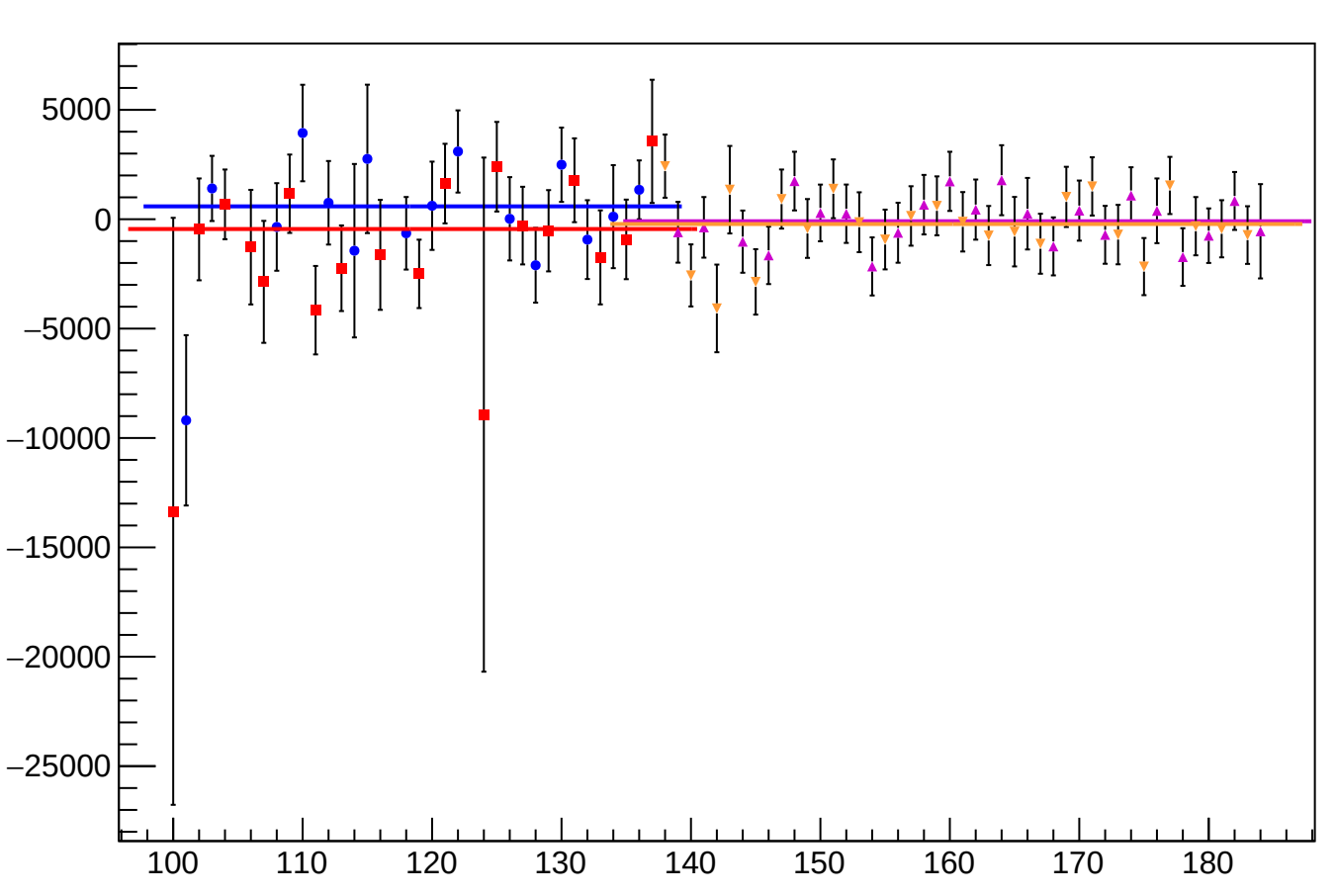
Left: 585.699+/-0.069 χ^2/NDF: 1730603.9/46

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 628.964+/-0.092 χ^2/NDF:4508672.9/38

Out: 637.637+/-0.093 χ^2/NDF:5269072.0/42

All: 633.288+/-0.065 χ^2/NDF: 9782139.1/81



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: -92.472+/-288.217 χ^2/NDF:14.7/22

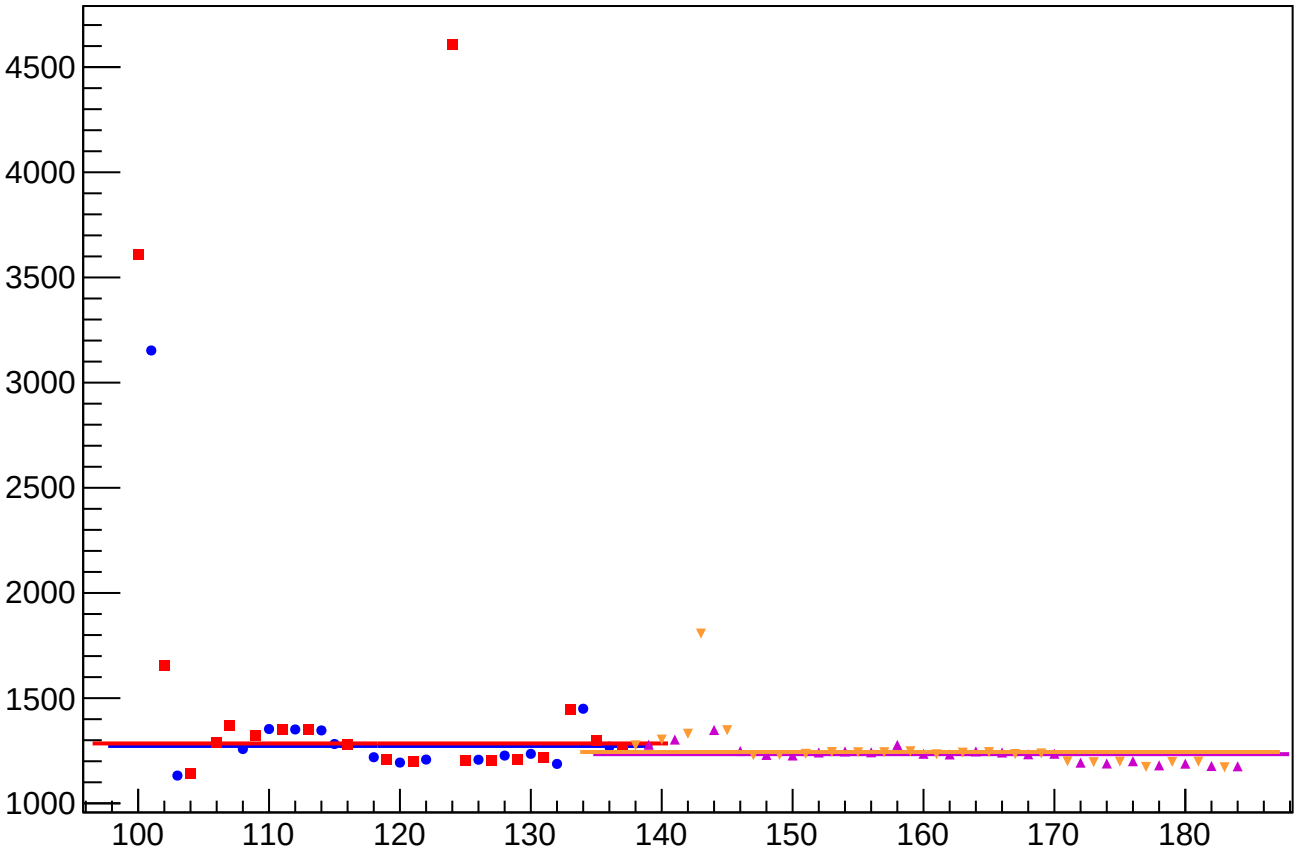
Left: -156.538+/-202.739 χ^2/NDF: 38.7/46

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 86.319+/-247.425 χ^2/NDF:33.2/38

Out: -278.837+/-245.388 χ^2/NDF:40.9/42

All: -97.769+/-174.231 χ^2/NDF: 75.2/81



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: 1233.752+/-0.204 χ^2/NDF:39281.7/22

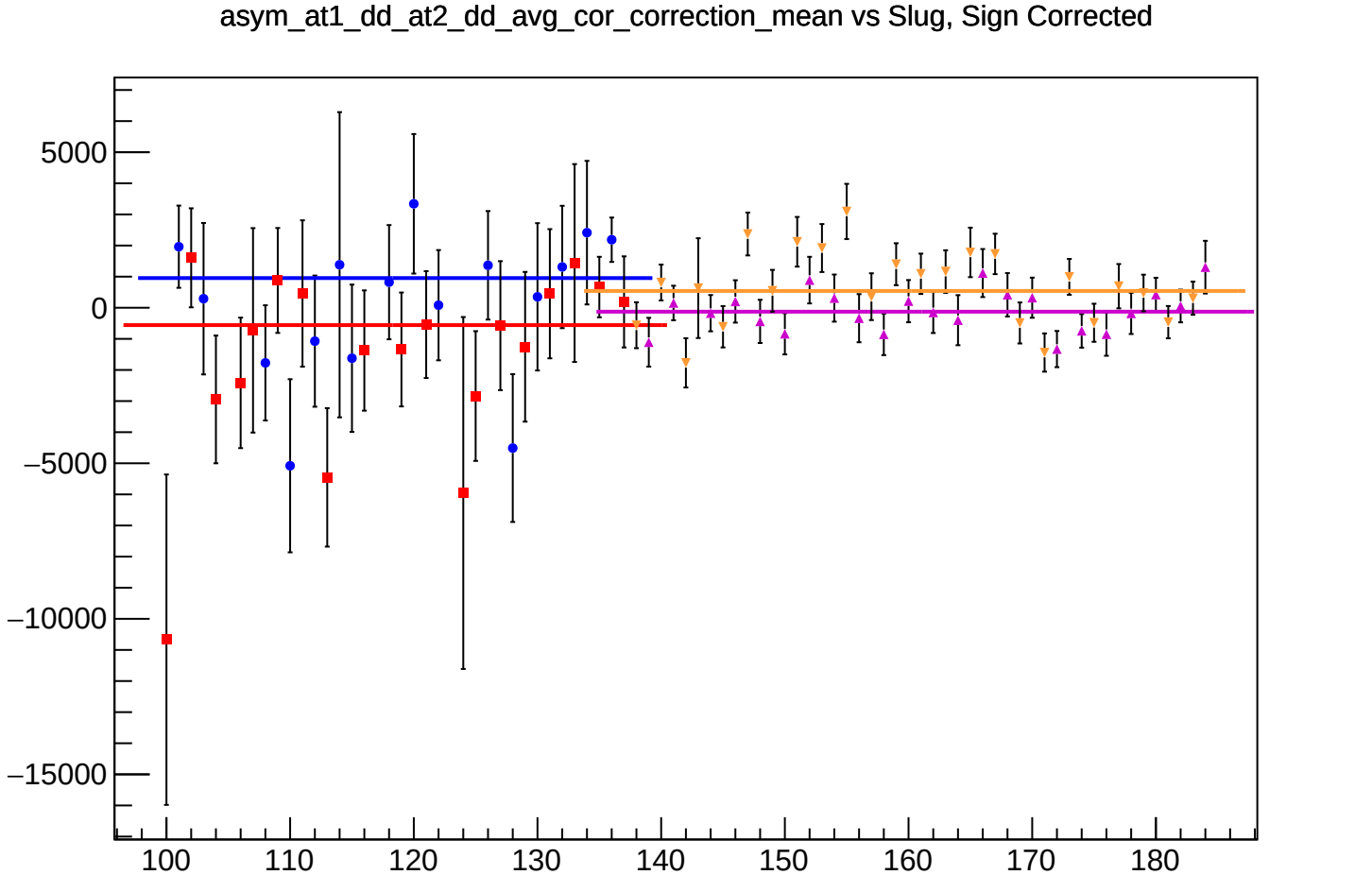
Left: 1238.927+/-0.143 χ^2/NDF: 241647.9/46

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

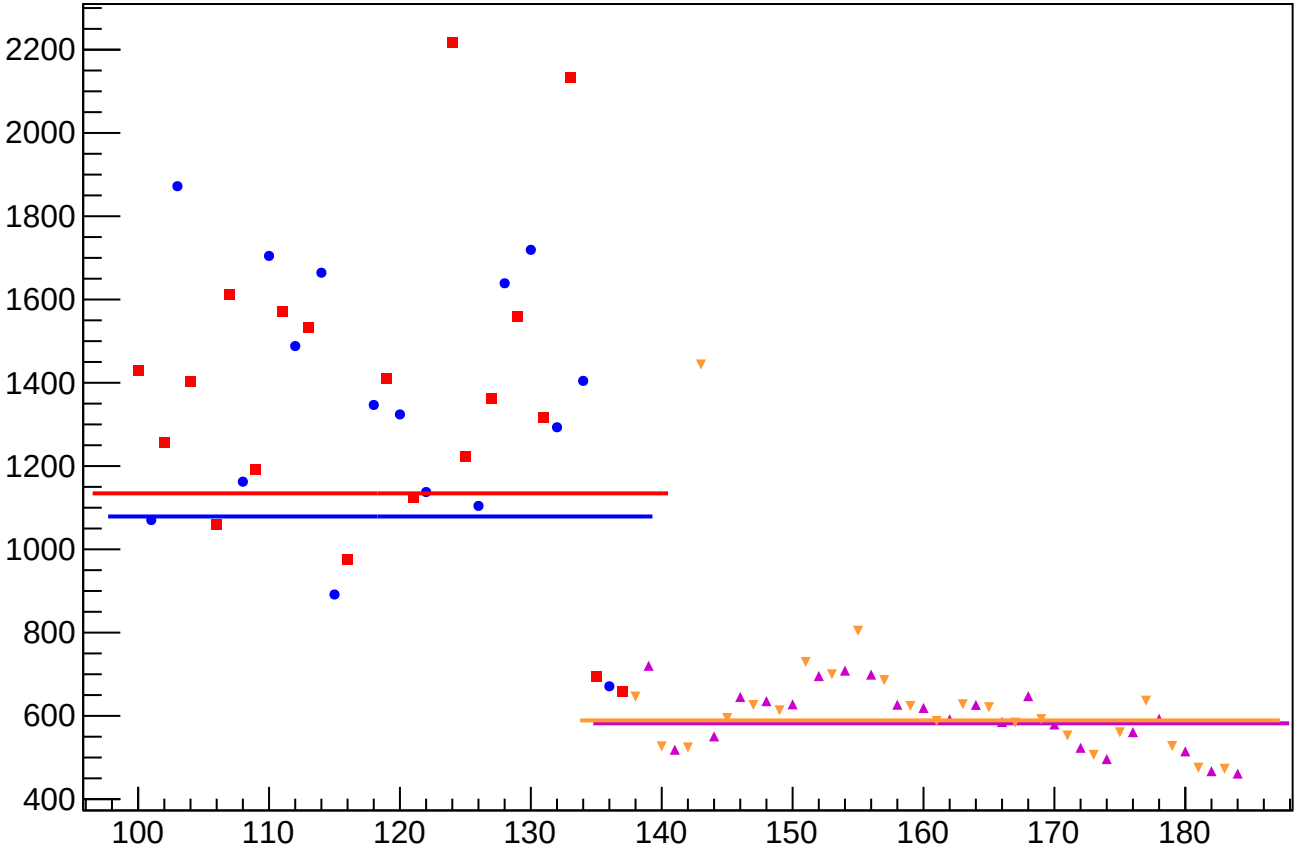
In: 1244.024+/-0.175 χ^2/NDF:568239.3/38

Out: 1254.563+/-0.174 χ^2/NDF:540386.5/42

All: 1249.337+/-0.123 χ^2/NDF: 1110455.1/81


asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 540.316+/-137.251 χ²/NDF:65.7/23
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -126.549+/-137.266 χ²/NDF:21.6/22
Left: 206.919+/-97.056 χ²/NDF: 99.0/46
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: -24.752+/-130.641 χ²/NDF:47.3/38
Out: 443.234+/-131.044 χ²/NDF:89.7/42
All: 208.520+/-92.519 χ²/NDF: 143.4/81

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: 582.189+/-0.097 χ^2/NDF:559258.0/22

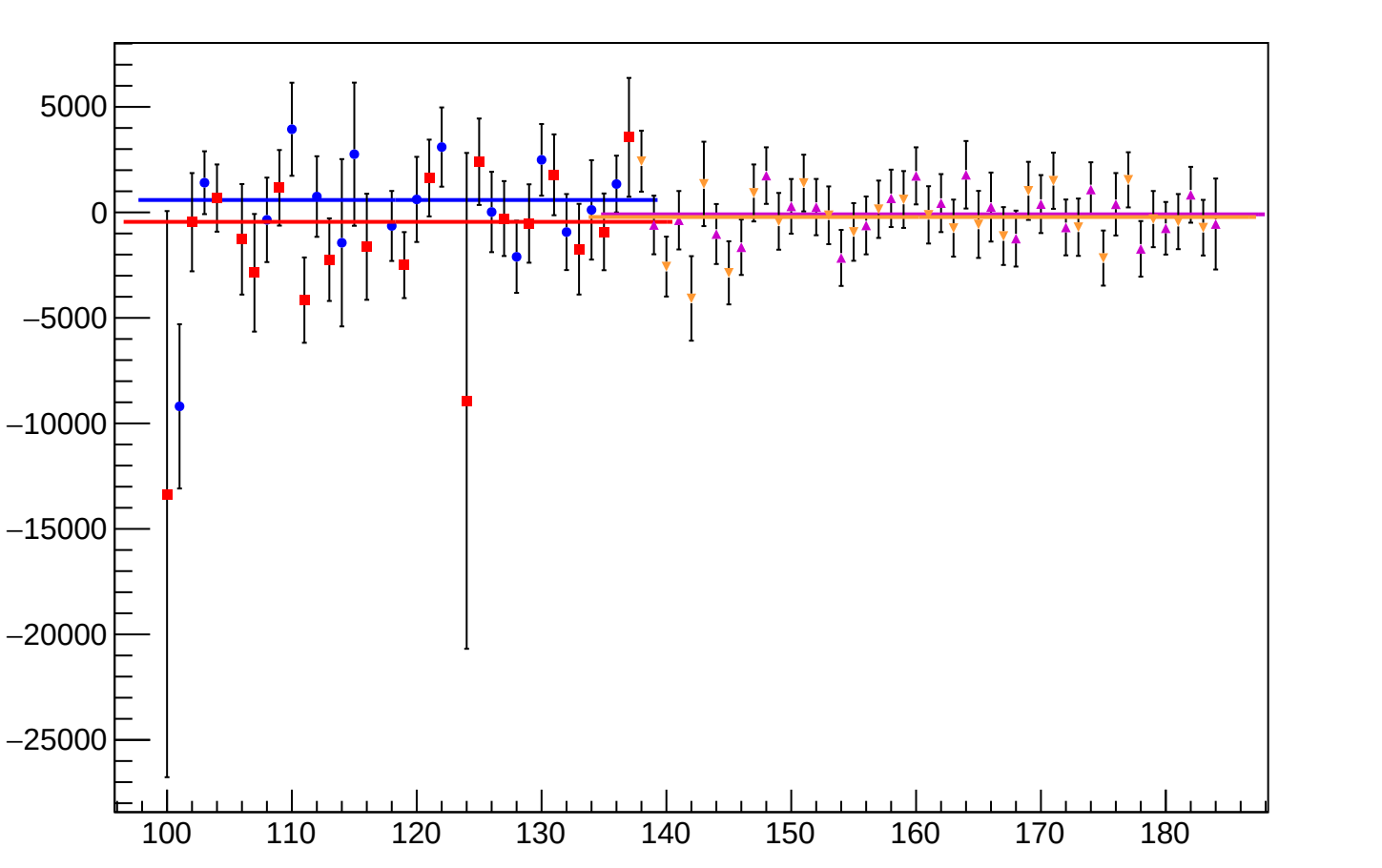
Left: 585.700+/-0.069 χ^2/NDF: 1730503.4/46

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 628.980+/-0.092 χ^2/NDF:4505163.2/38

Out: 637.407+/-0.093 χ^2/NDF:5247329.7/42

All: 633.180+/-0.065 χ^2/NDF: 9756641.0/81



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: -92.472+/-288.217 χ^2/NDF:14.7/22

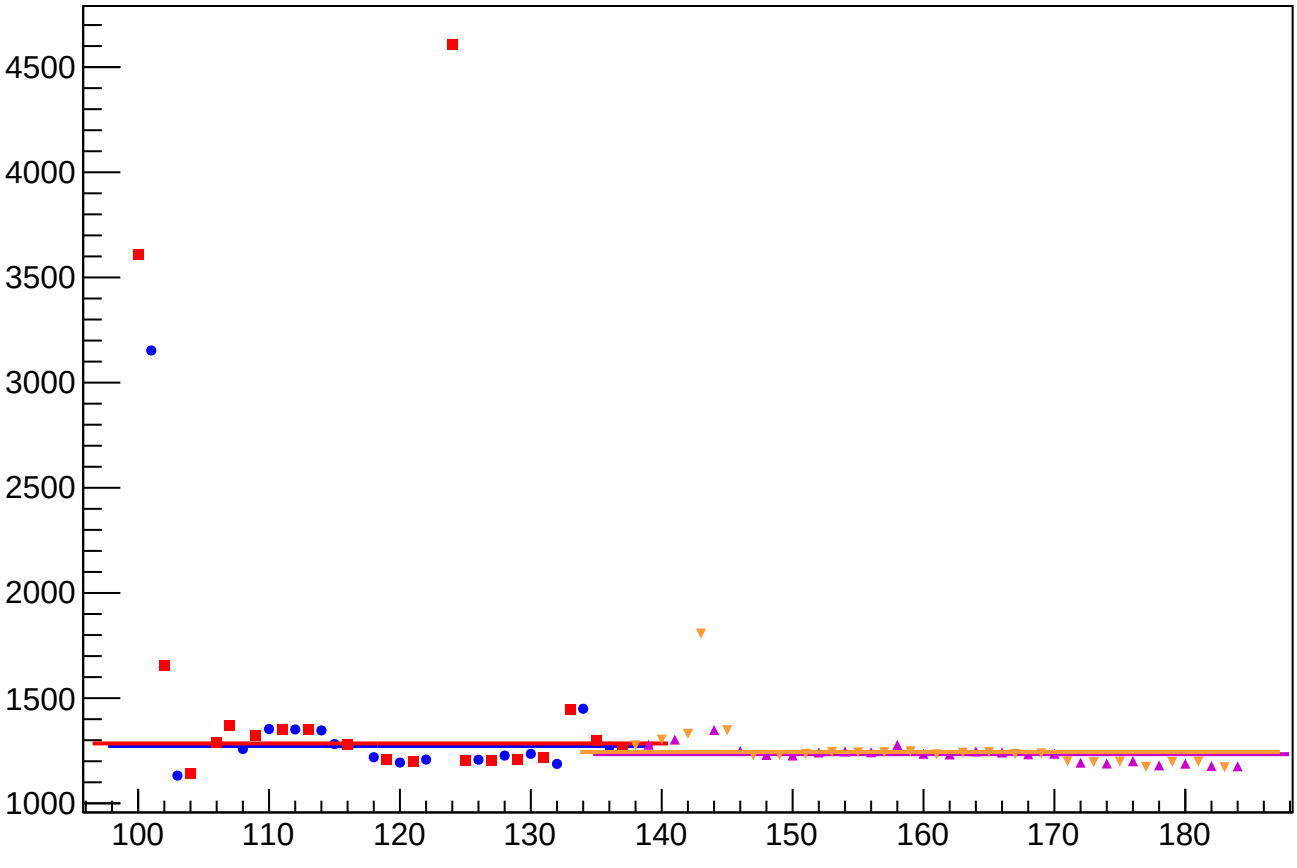
Left: -156.538+/-202.739 χ^2/NDF: 38.7/46

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 86.319+/-247.425 χ^2/NDF:33.2/38

Out: -278.837+/-245.388 χ^2/NDF:40.9/42

All: -97.769+/-174.231 χ^2/NDF: 75.2/81



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: 1233.752+/-0.204 χ^2/NDF:39281.7/22

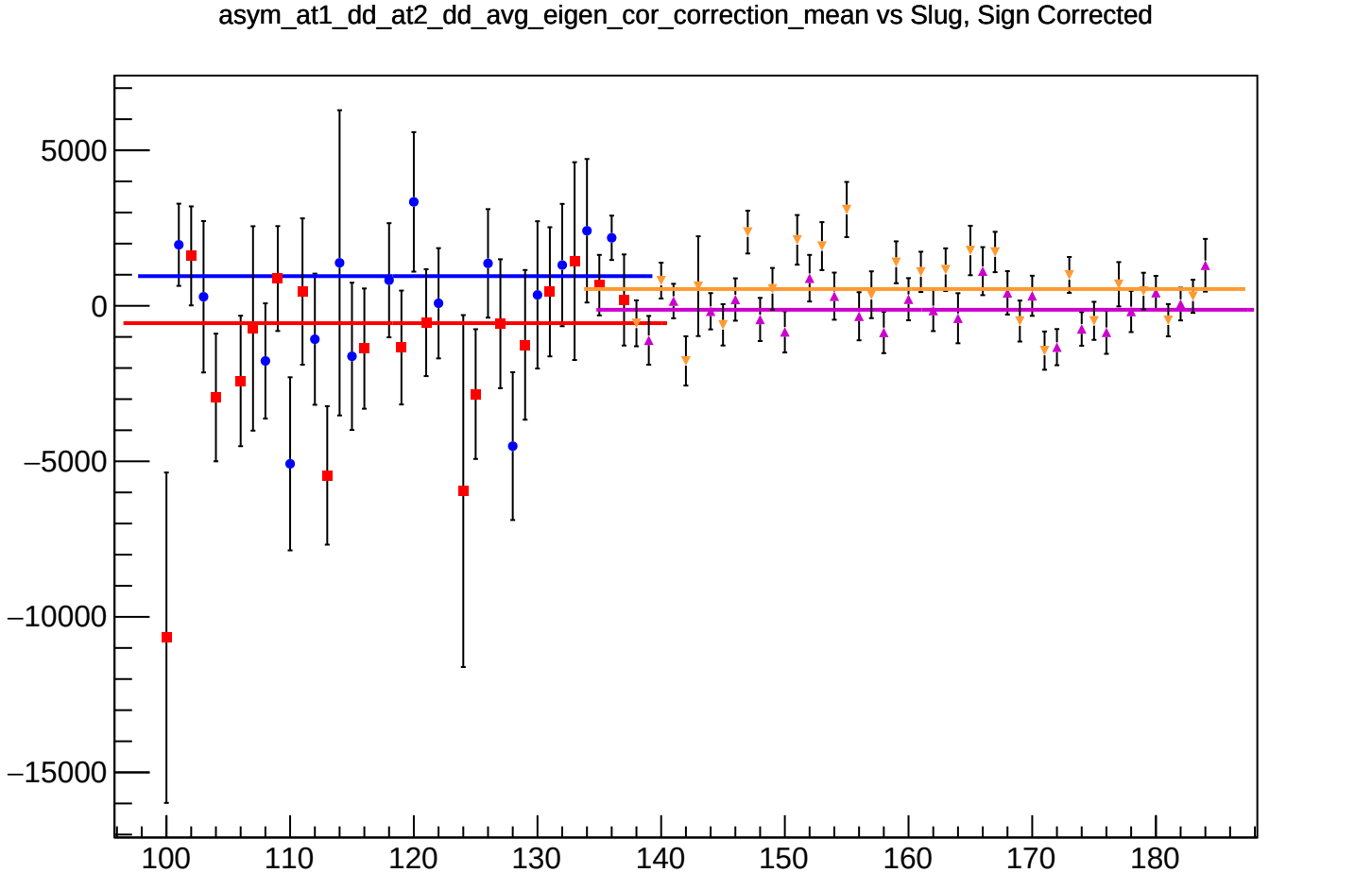
Left: 1238.927+/-0.143 χ^2/NDF: 241647.9/46

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1244.024+/-0.175 χ^2/NDF:568239.3/38

Out: 1254.563+/-0.174 χ^2/NDF:540386.5/42

All: 1249.337+/-0.123 χ^2/NDF: 1110455.1/81



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: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 206.919+/-97.056 χ^2/NDF: 99.0/46

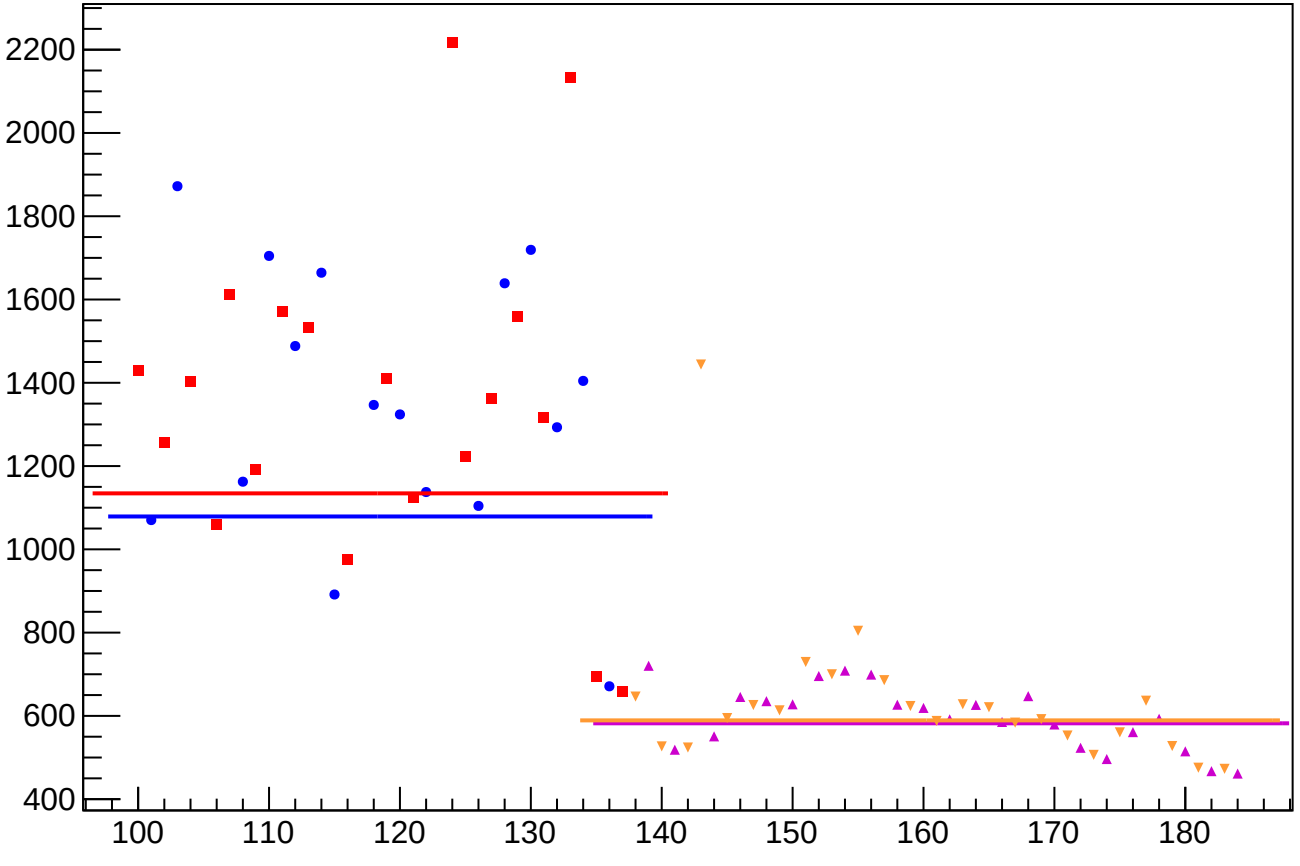
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -24.752+/-130.641 χ^2/NDF:47.3/38

Out: 443.234+/-131.044 χ^2/NDF:89.7/42

All: 208.520+/-92.519 χ^2/NDF: 143.4/81

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: 582.189+/-0.097 χ^2/NDF:559258.0/22

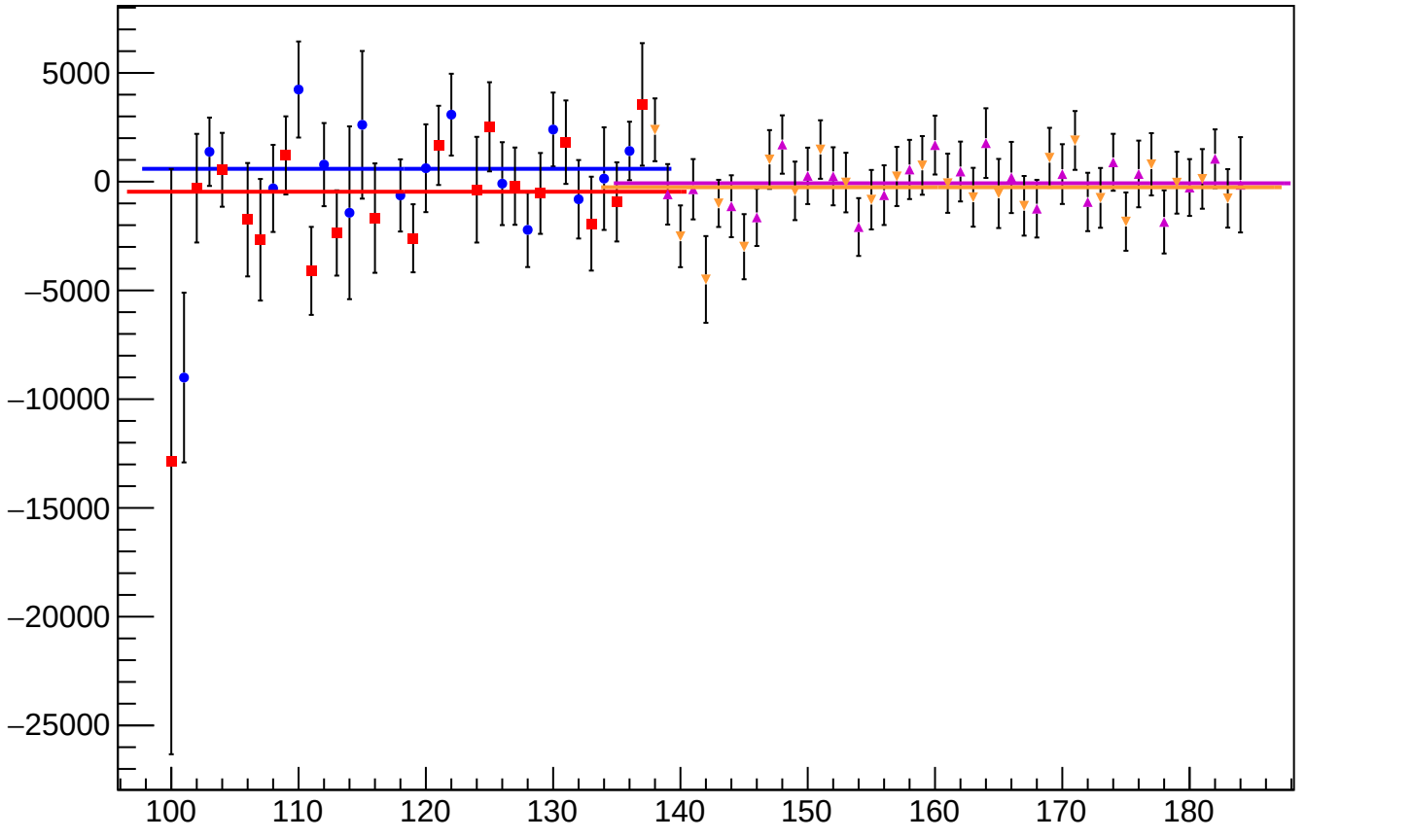
Left: 585.700+/-0.069 χ^2/NDF: 1730503.4/46

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 628.980+/-0.092 χ^2/NDF:4505163.2/38

Out: 637.407+/-0.093 χ^2/NDF:5247329.7/42

All: 633.180+/-0.065 χ^2/NDF: 9756641.0/81



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: -74.881+/-291.458 χ^2/NDF:14.0/22

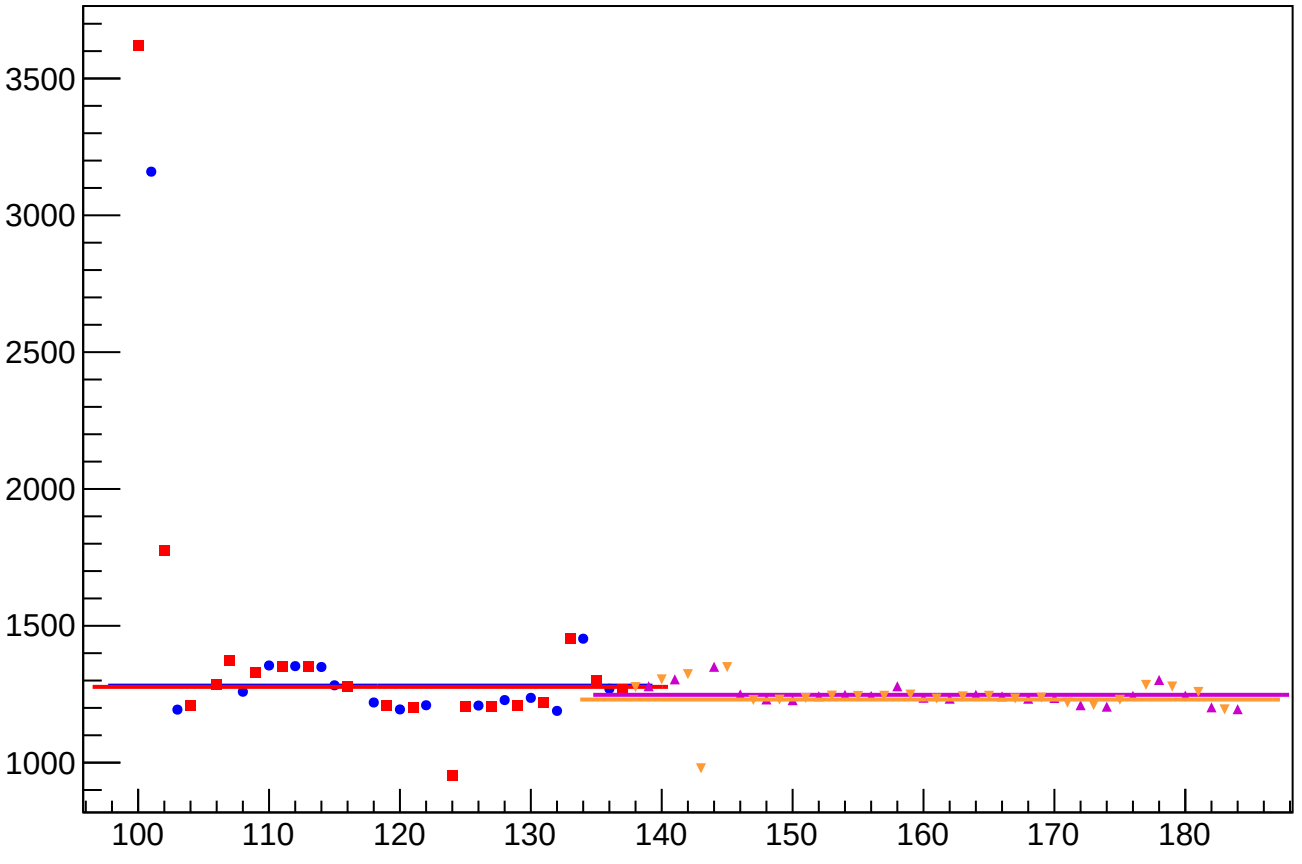
Left: -168.755+/-202.652 χ^2/NDF: 38.2/46

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 101.352+/-249.885 χ^2/NDF:32.5/38

Out: -309.987+/-242.701 χ^2/NDF:40.8/42

All: -110.316+/-174.100 χ^2/NDF: 74.7/81



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: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.916+/-0.143 χ^2/NDF: 171845.4/46

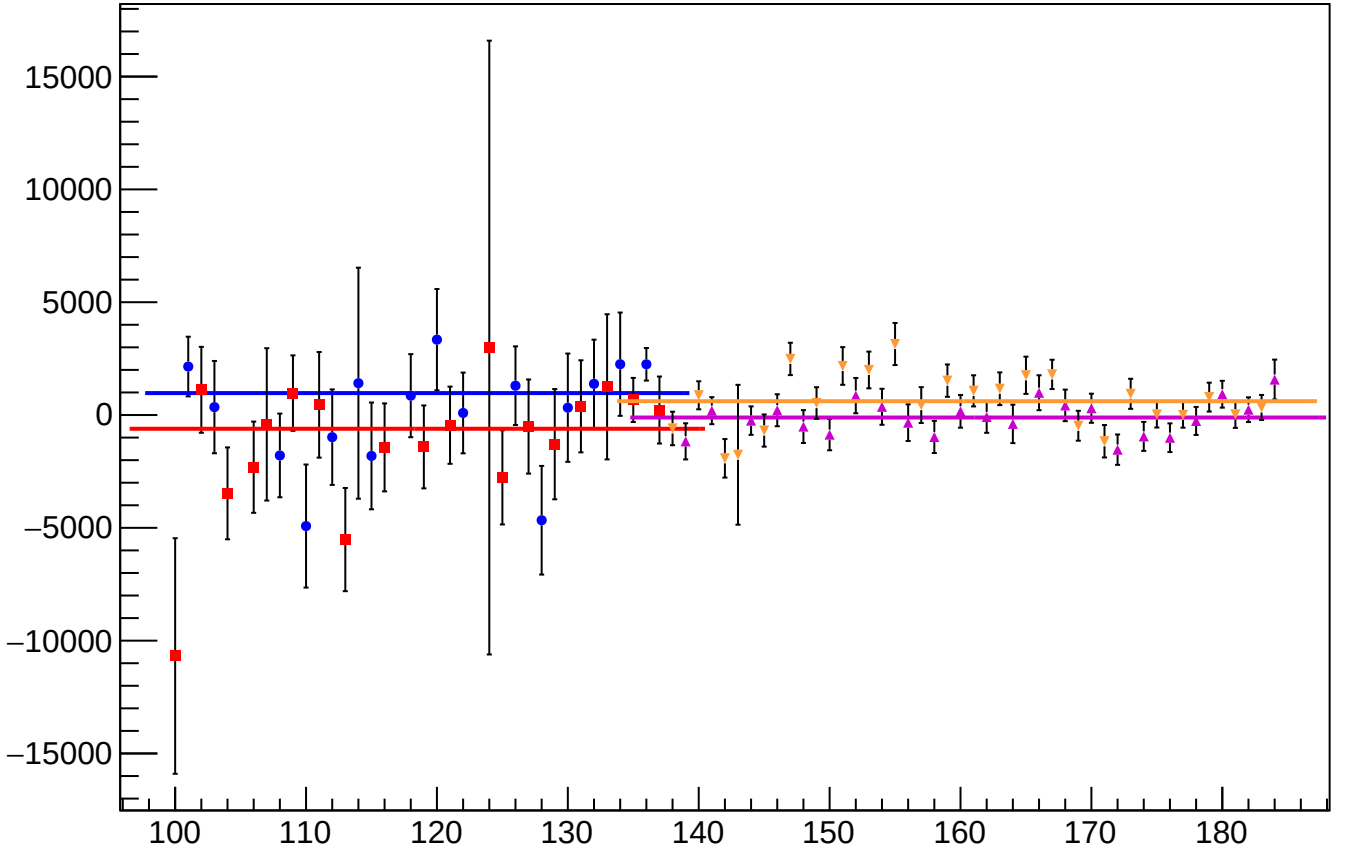
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1256.683+/-0.177 χ^2/NDF:541454.2/38

Out: 1242.597+/-0.172 χ^2/NDF:375372.8/42

All: 1249.434+/-0.123 χ^2/NDF: 920096.9/81

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: -110.252+/-144.232 χ^2/NDF:25.7/22

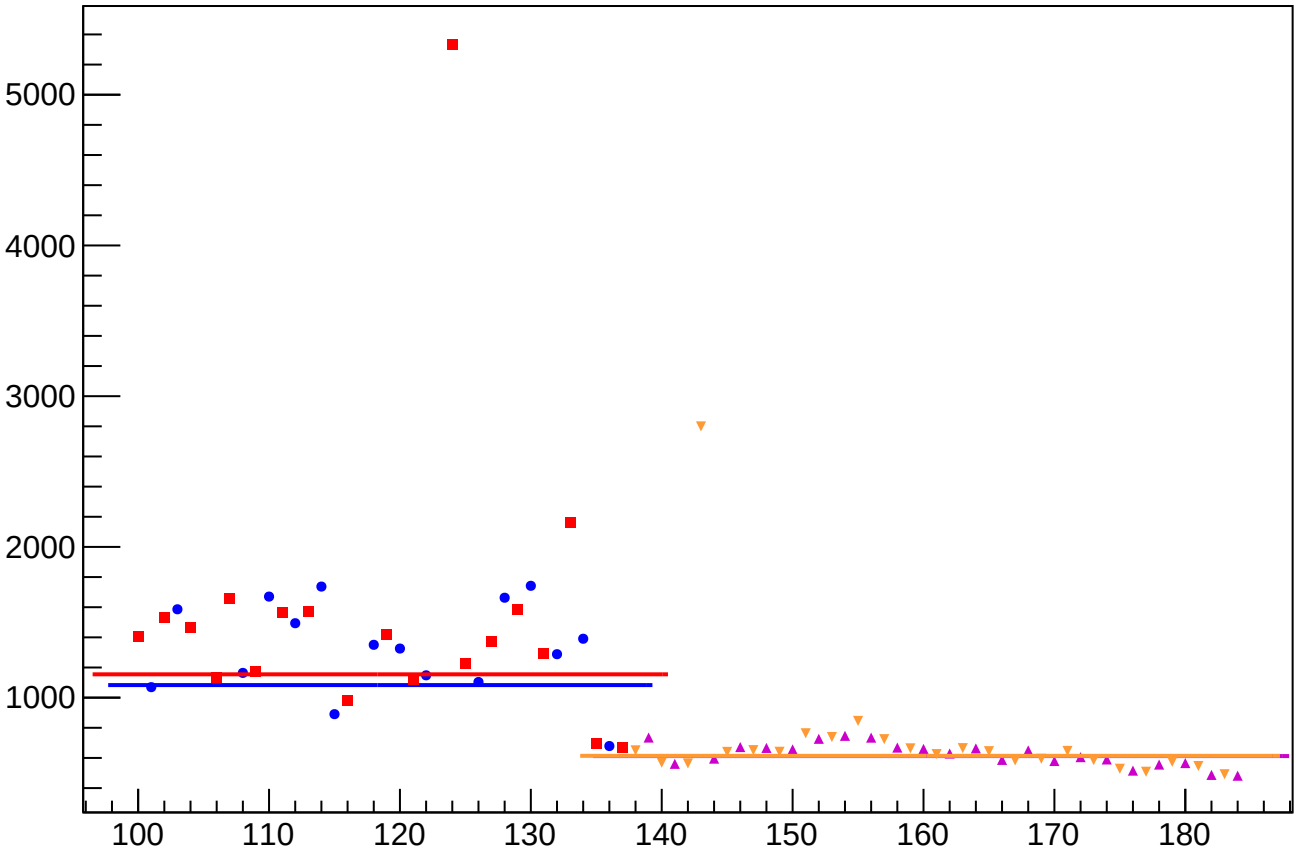
Left: 252.509+/-101.814 χ^2/NDF: 95.0/46

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 1.447+/-136.589 χ^2/NDF:52.0/38

Out: 498.701+/-136.863 χ^2/NDF:80.5/42

All: 249.575+/-96.680 χ^2/NDF: 139.1/81



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: 612.399+/-0.102 χ^2/NDF:508595.4/22

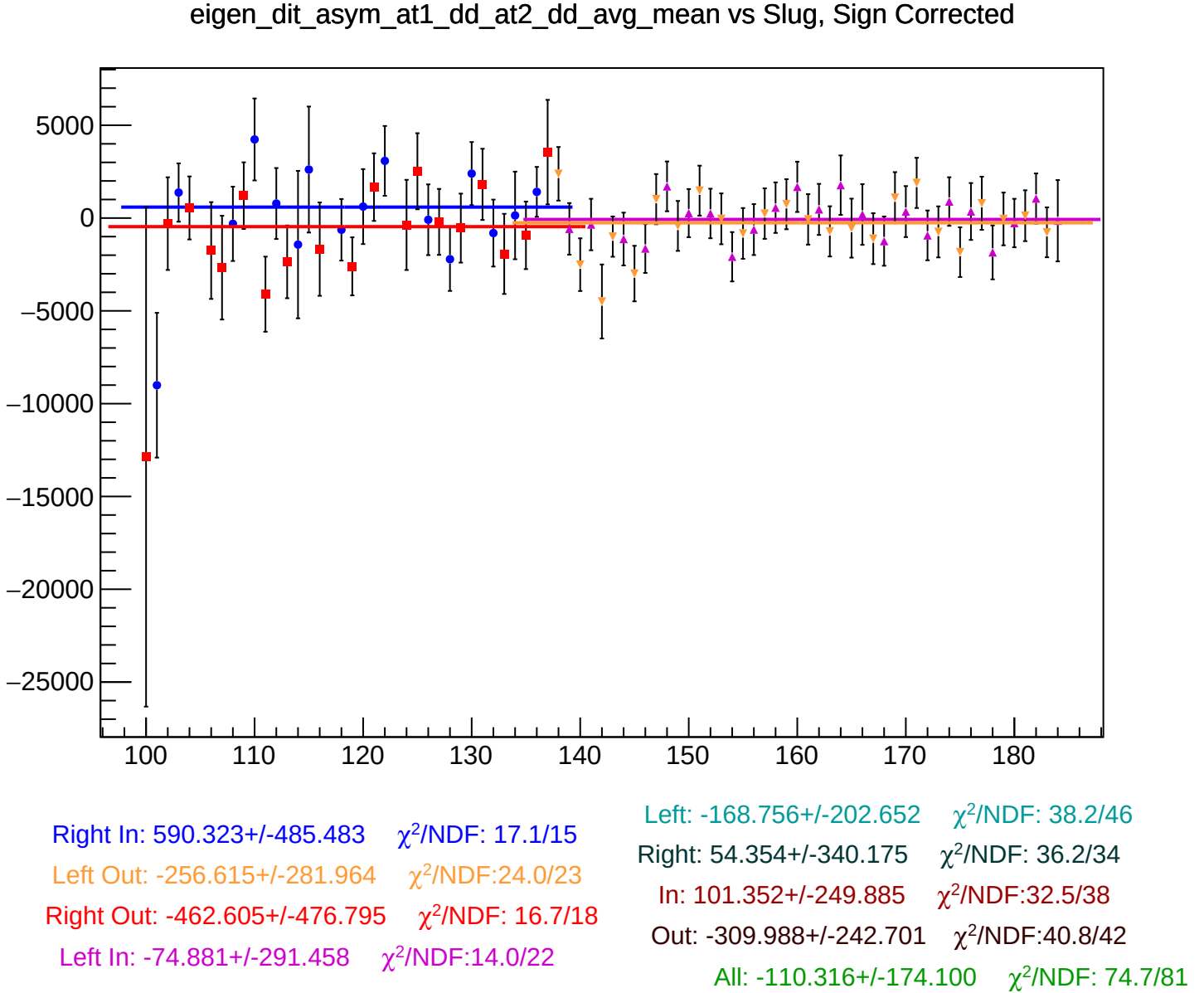
Left: 613.200+/-0.072 χ^2/NDF: 2091342.1/46

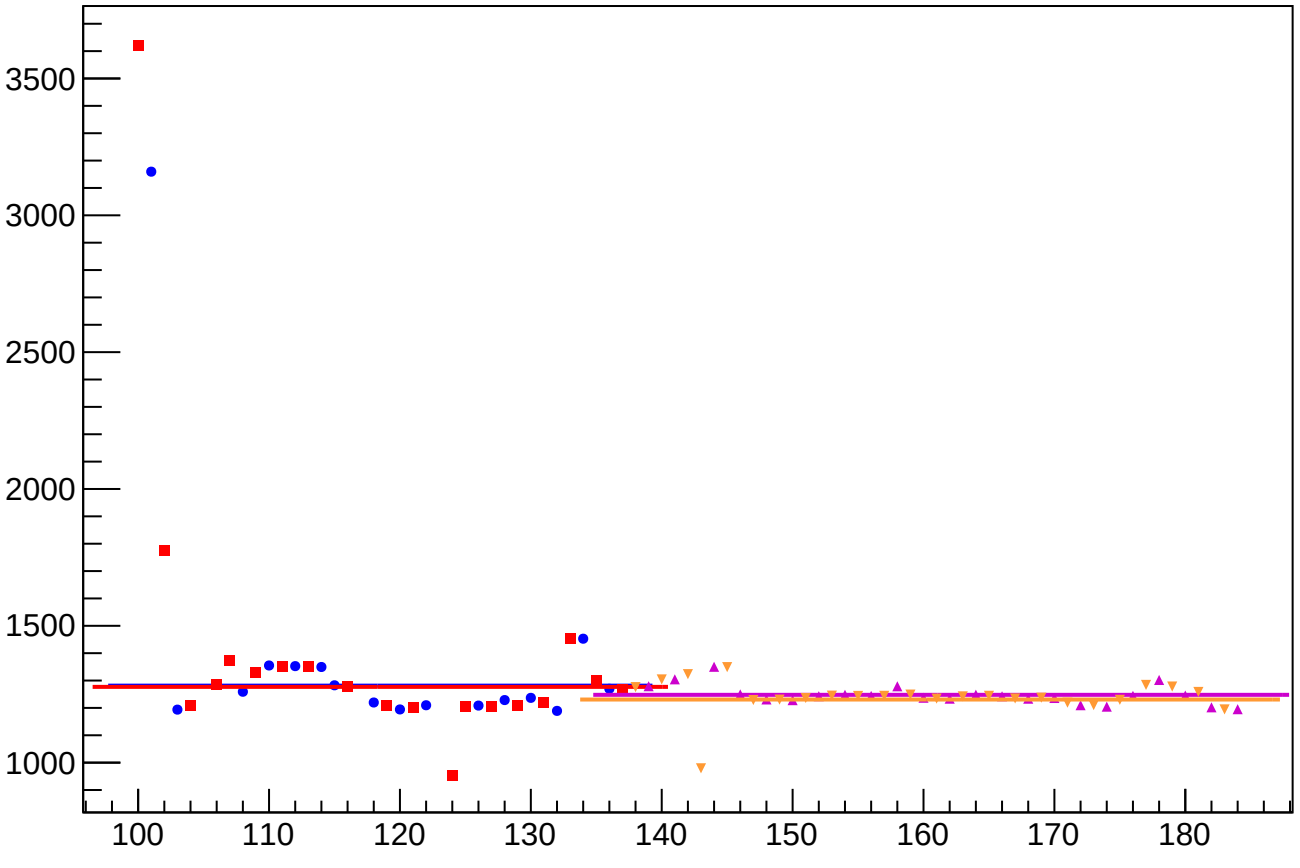
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 660.991+/-0.097 χ^2/NDF:4068799.9/38

Out: 664.521+/-0.097 χ^2/NDF:5715439.6/42

All: 662.753+/-0.068 χ^2/NDF: 9784906.1/81


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
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: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -168.756+/-202.652 χ²/NDF: 38.2/46
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 101.352+/-249.885 χ²/NDF:32.5/38
Out: -309.988+/-242.701 χ²/NDF:40.8/42
All: -110.316+/-174.100 χ²/NDF: 74.7/81



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: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.916+/-0.143 χ^2/NDF: 171844.4/46

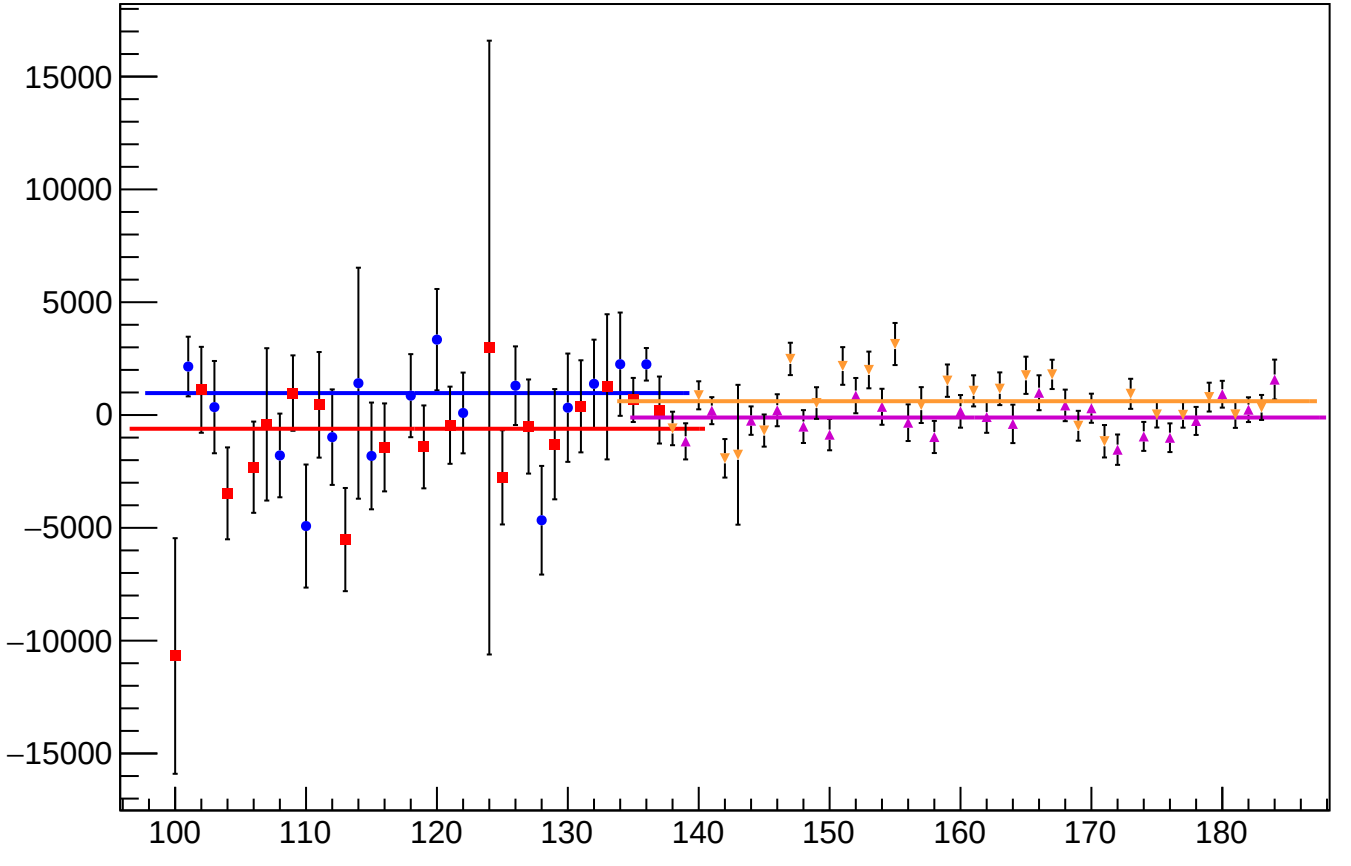
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1256.682+/-0.177 χ^2/NDF:541454.3/38

Out: 1242.597+/-0.172 χ^2/NDF:375371.7/42

All: 1249.434+/-0.123 χ^2/NDF: 920095.9/81

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: -110.251+/-144.232 χ^2/NDF:25.7/22

Left: 252.509+/-101.814 χ^2/NDF: 95.0/46

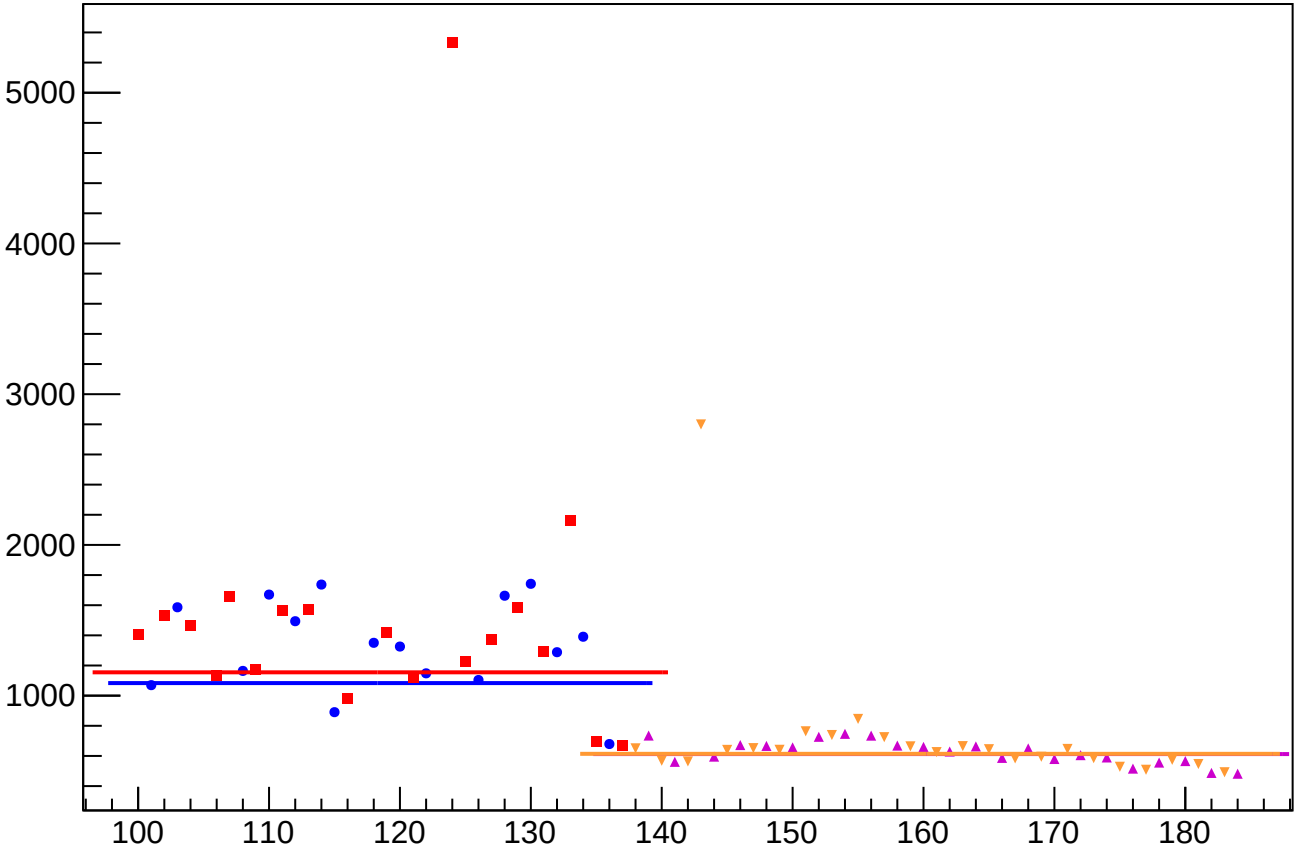
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 1.446+/-136.589 χ^2/NDF:52.0/38

Out: 498.701+/-136.863 χ^2/NDF:80.5/42

All: 249.574+/-96.680 χ^2/NDF: 139.1/81

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 613.995+/-0.102 χ^2/NDF:1582621.3/23

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

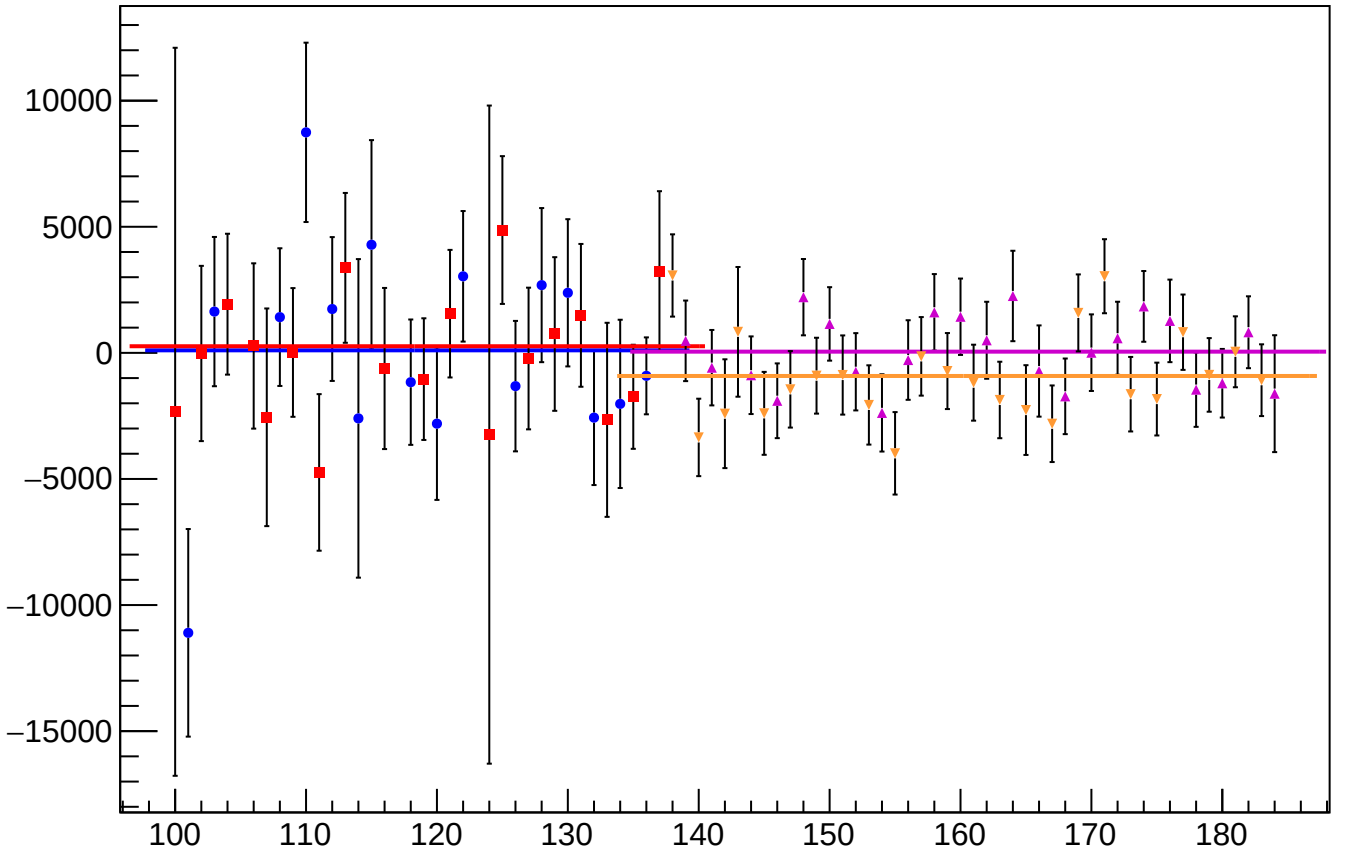
Left: 613.199+/-0.072 χ^2/NDF: 2091342.0/46

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 660.991+/-0.097 χ^2/NDF:4068796.6/38

Out: 664.521+/-0.097 χ^2/NDF:5715437.6/42

All: 662.752+/-0.068 χ^2/NDF: 9784901.0/81



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: 48.178+/-320.929 χ^2/NDF:17.9/22

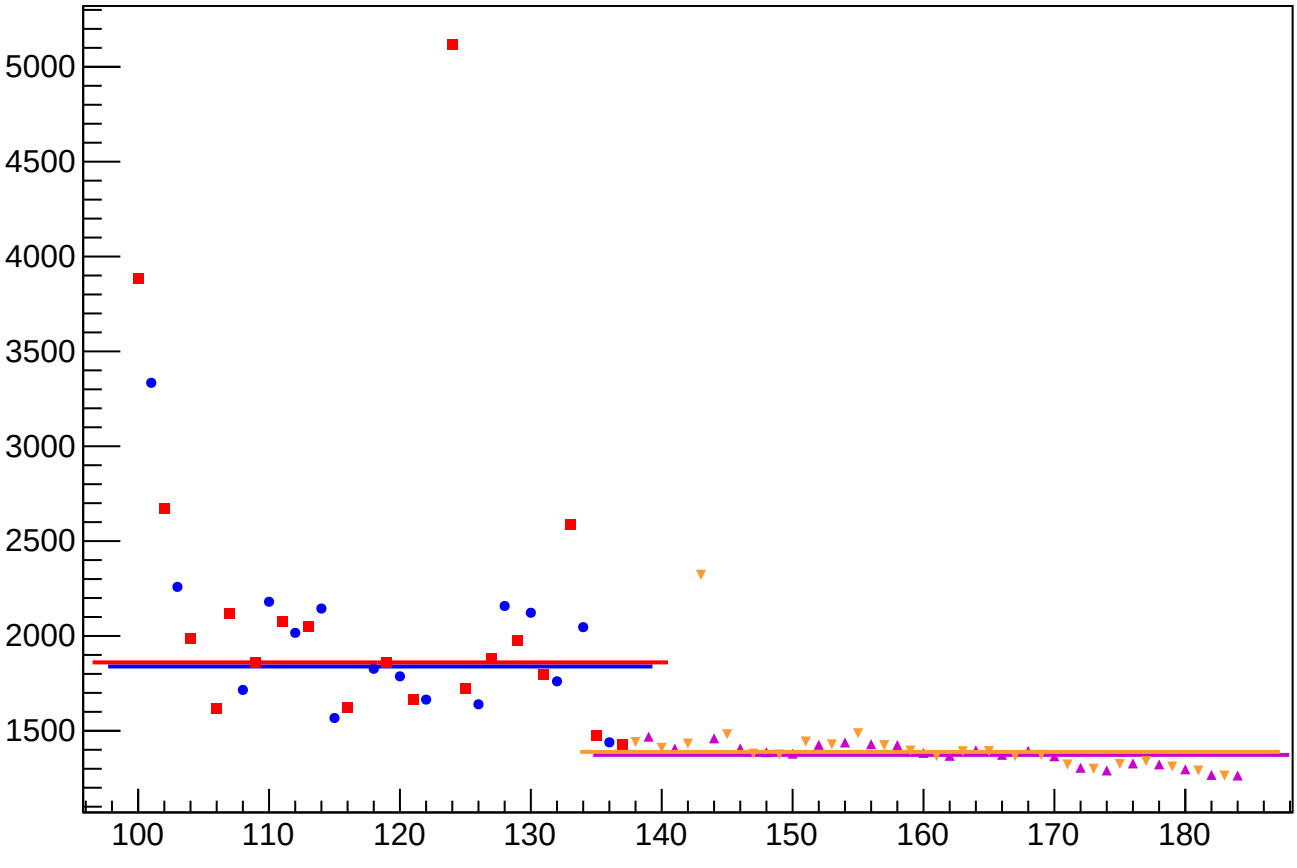
Left: -436.856+/-226.273 χ^2/NDF: 52.1/46

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 57.279+/-291.656 χ^2/NDF:39.2/38

Out: -713.343+/-290.317 χ^2/NDF:42.3/42

All: -329.806+/-205.757 χ^2/NDF: 85.0/81



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: 1373.217+/-0.227 χ^2/NDF:64467.6/22

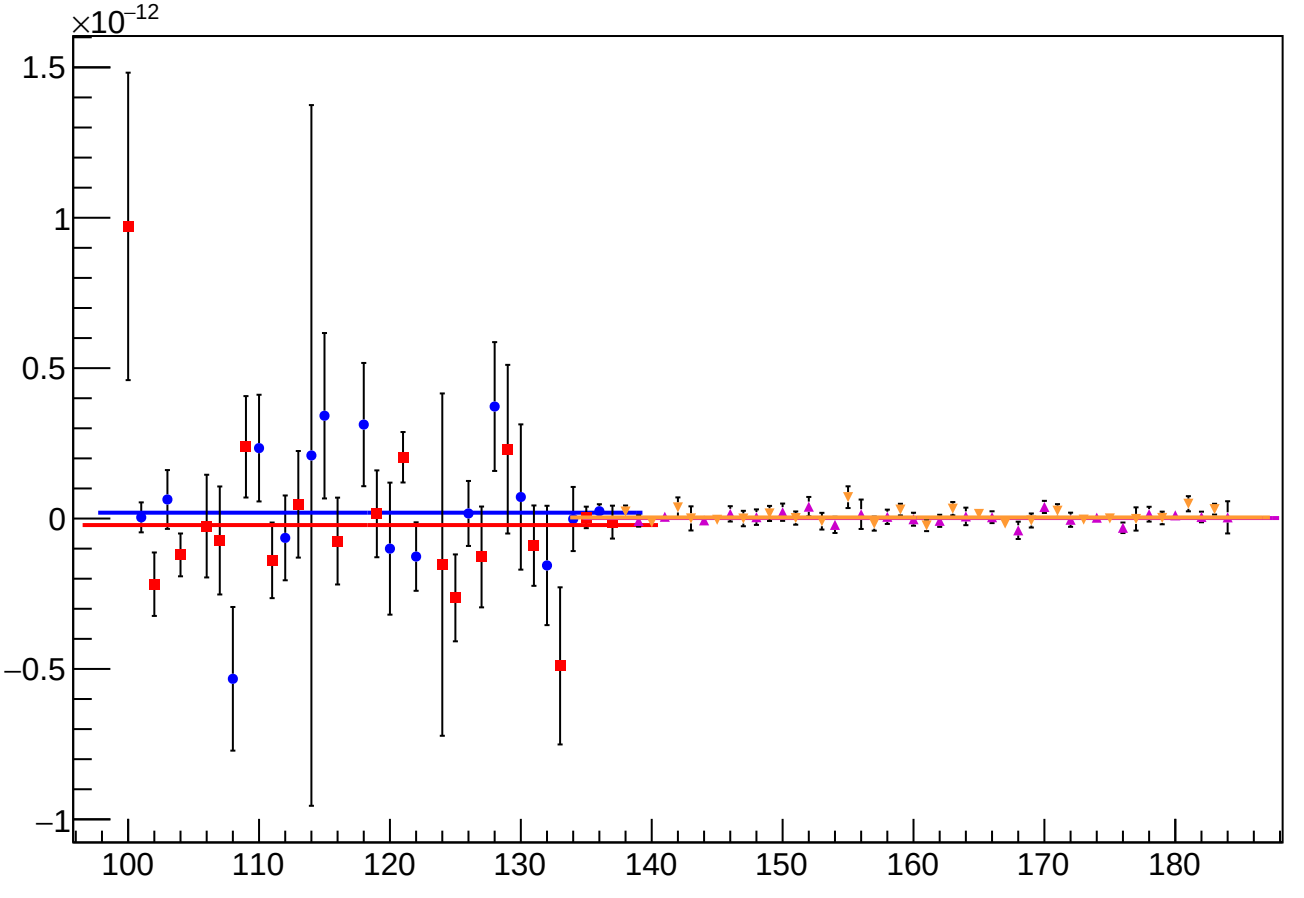
Left: 1381.145+/-0.160 χ^2/NDF: 401215.0/46

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1454.331+/-0.206 χ^2/NDF:1355034.6/38

Out: 1470.196+/-0.205 χ^2/NDF:1609100.9/42

All: 1462.300+/-0.145 χ^2/NDF: 2967108.0/81



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:13.5/22

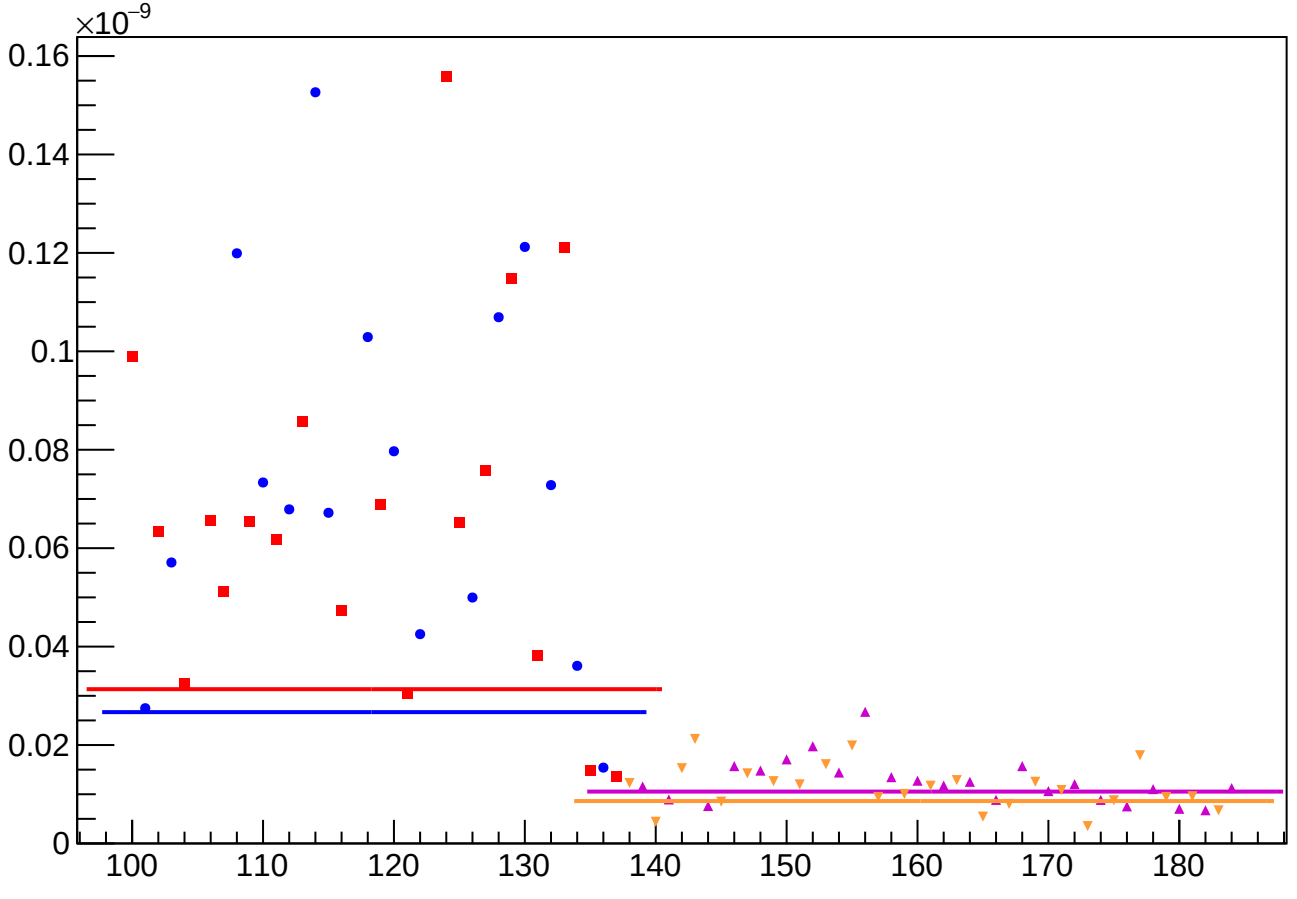
Left: 0.000+/-0.000 χ^2/NDF: 38.3/46

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.8/38

Out: 0.000+/-0.000 χ^2/NDF:54.2/42

All: 0.000+/-0.000 χ^2/NDF: 85.0/81



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:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3593843.2/46

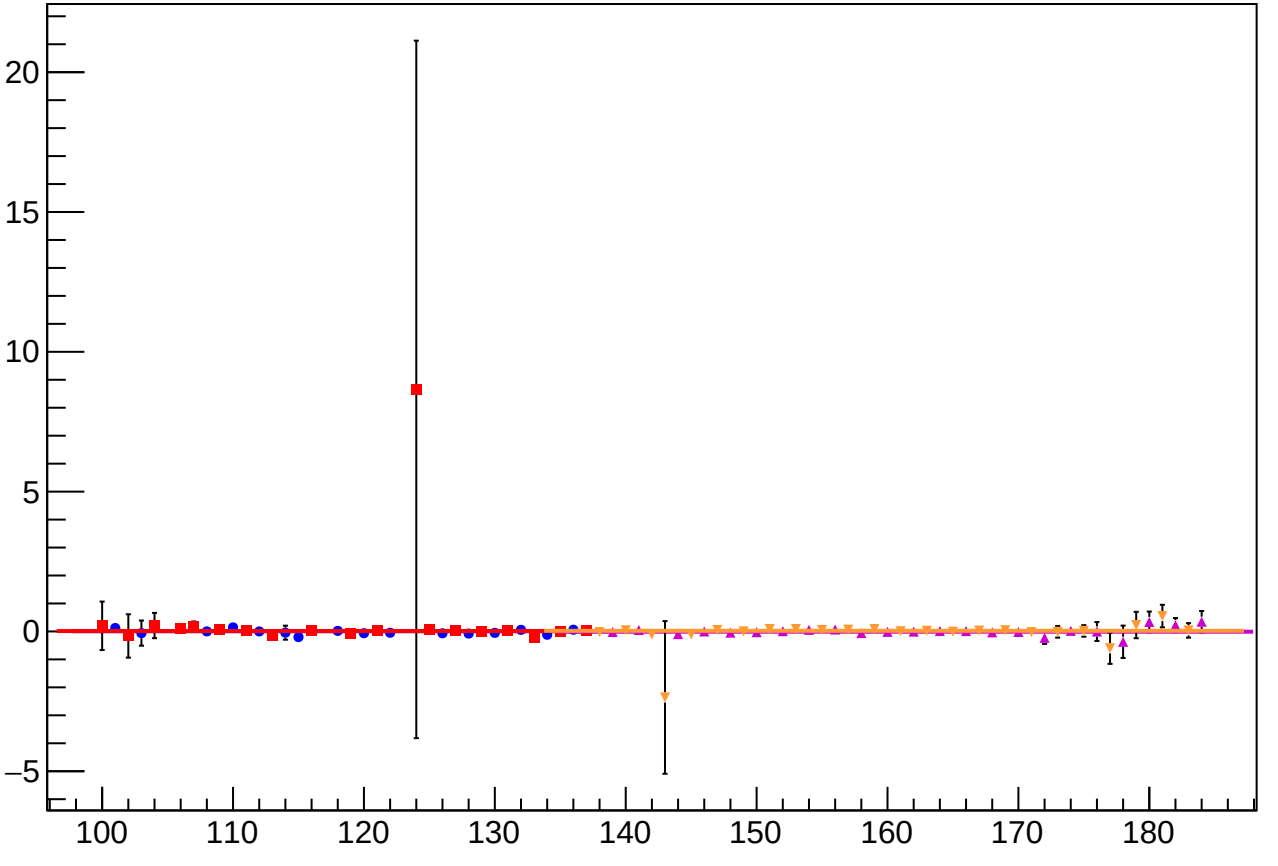
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:5211271.2/38

Out: 0.000+/-0.000 χ^2/NDF:6437879.8/42

All: 0.000+/-0.000 χ^2/NDF: 11924030.5/81

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:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 41.4/46

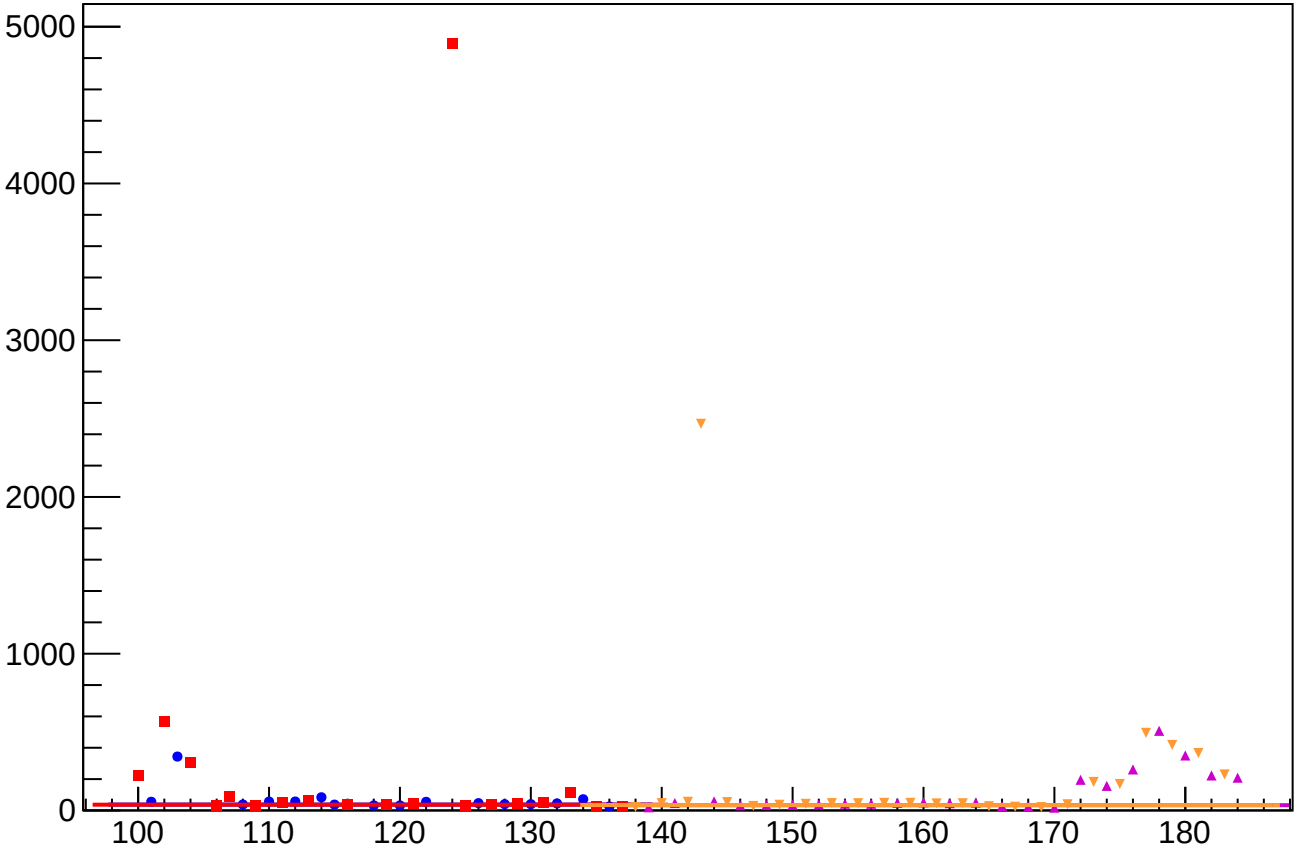
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.020+/-0.009 χ^2/NDF:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 73.3/81

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: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.043+/-0.005 χ^2/NDF: 21115887.1/46

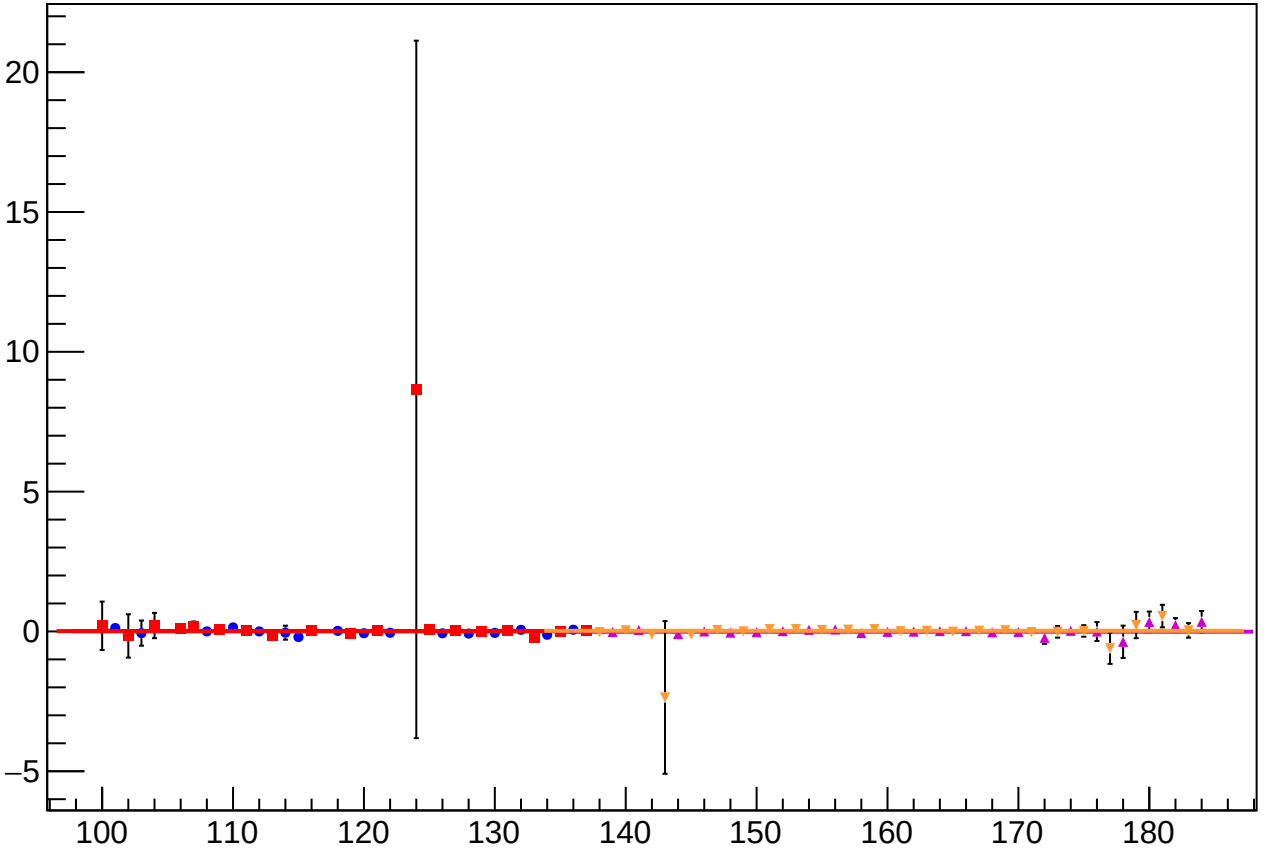
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.671+/-0.006 χ^2/NDF:12135959.3/38

Out: 35.134+/-0.006 χ^2/NDF:14257280.0/42

All: 34.896+/-0.004 χ^2/NDF: 26396151.3/81

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:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 41.4/46

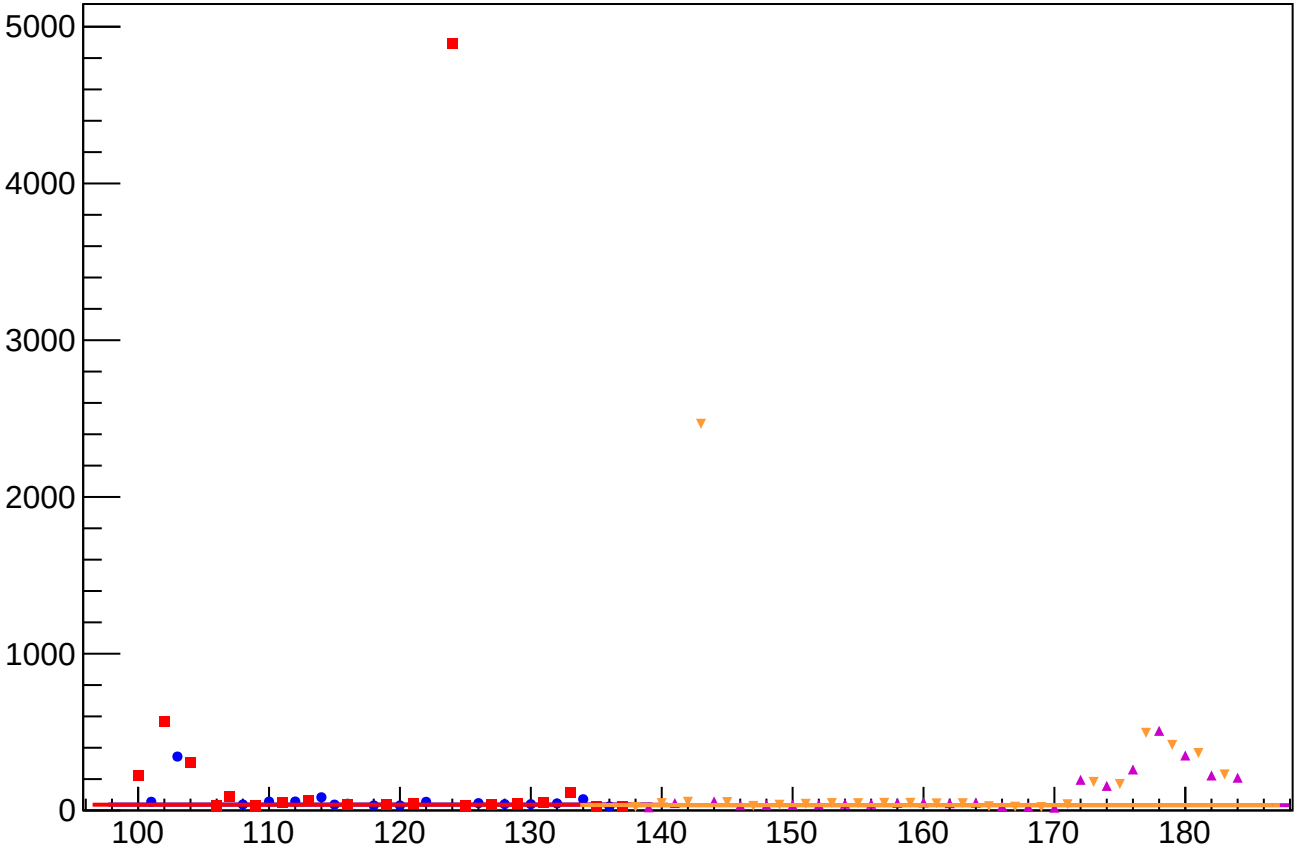
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.020+/-0.009 χ^2/NDF:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 73.3/81

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: 33.592+/-0.007 χ^2/NDF:10067466.4/22

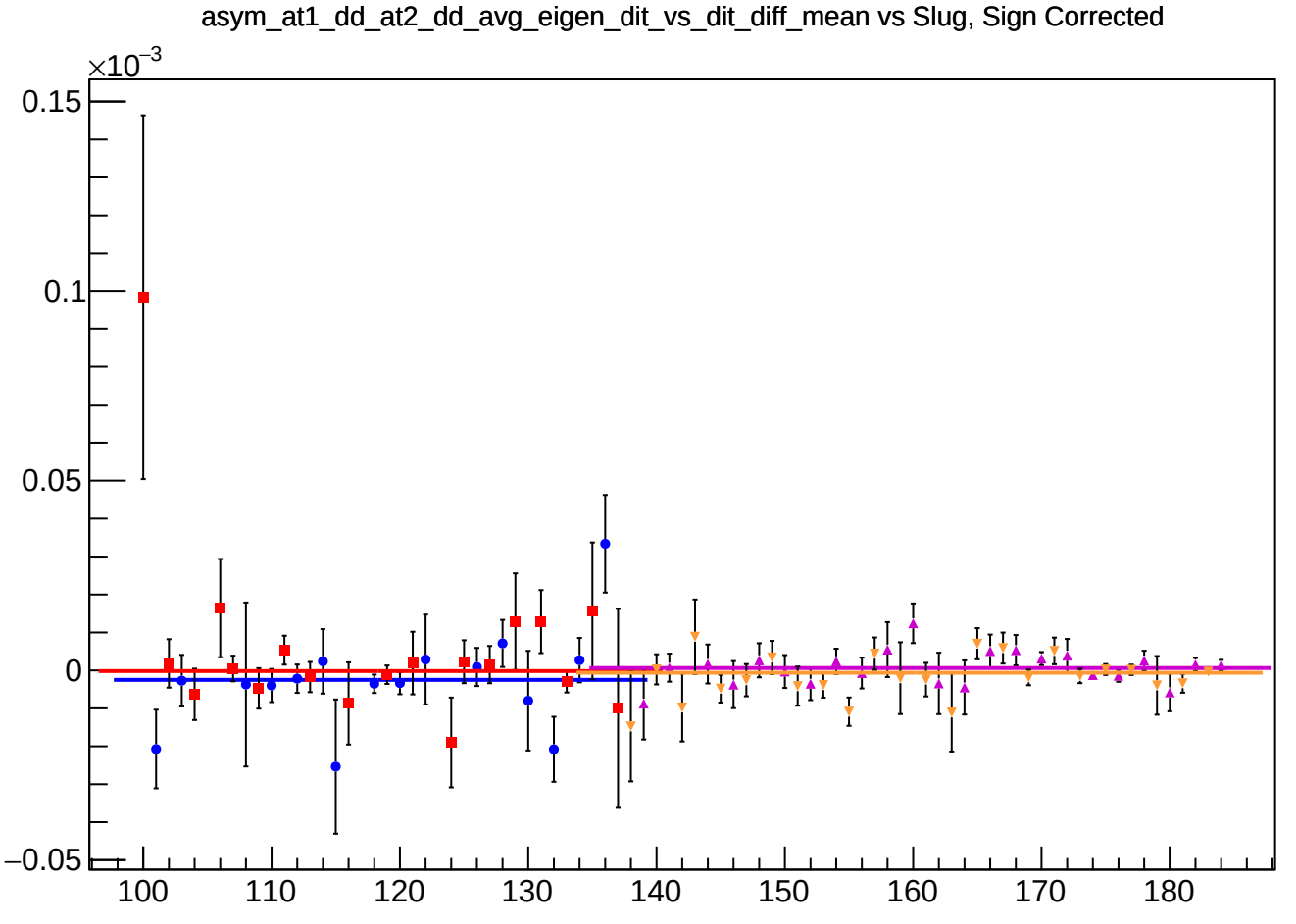
Left: 34.043+/-0.005 χ^2/NDF: 21115887.1/46

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.671+/-0.006 χ^2/NDF:12135959.3/38

Out: 35.134+/-0.006 χ^2/NDF:14257280.0/42

All: 34.896+/-0.004 χ^2/NDF: 26396151.3/81



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:21.9/22

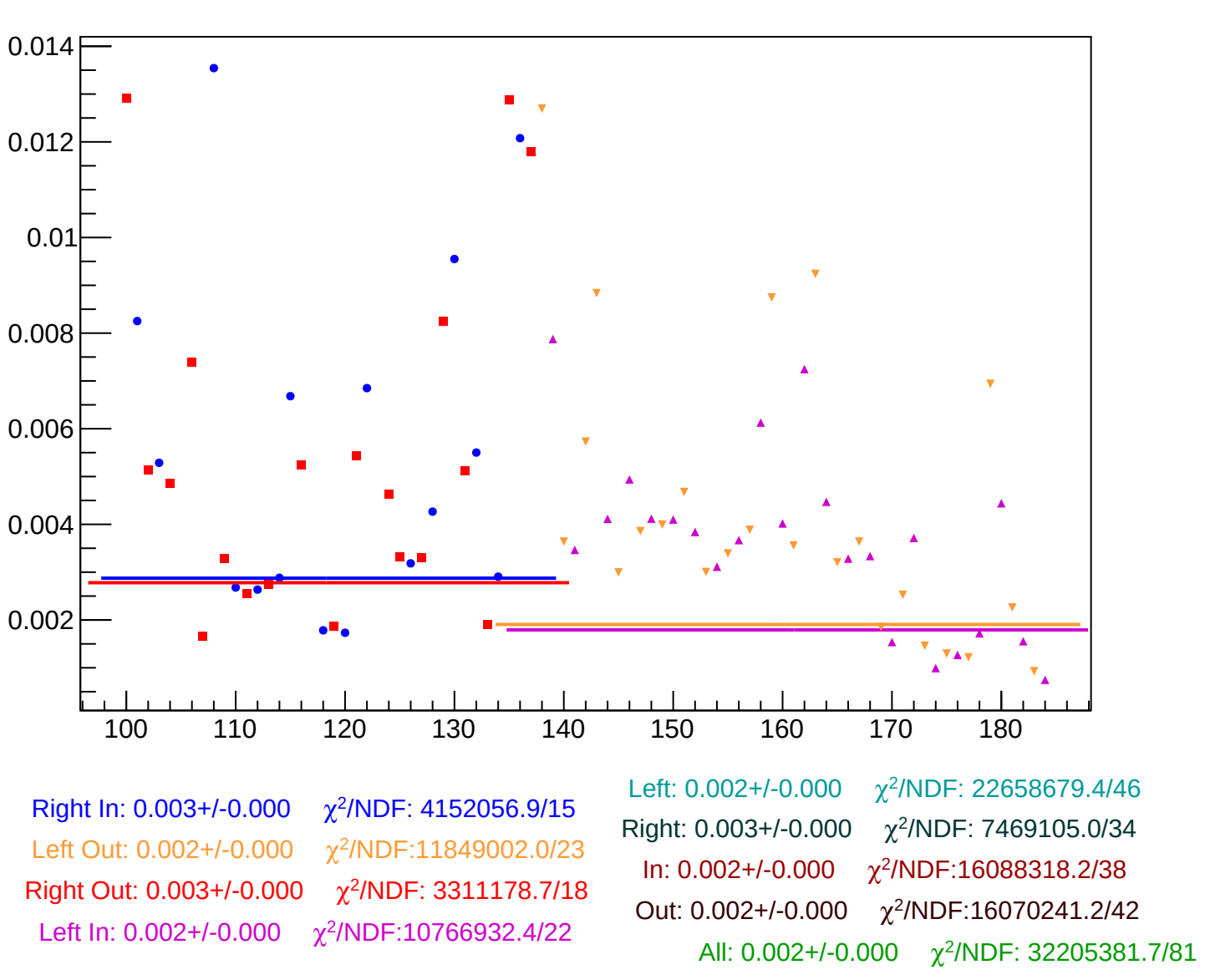
Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

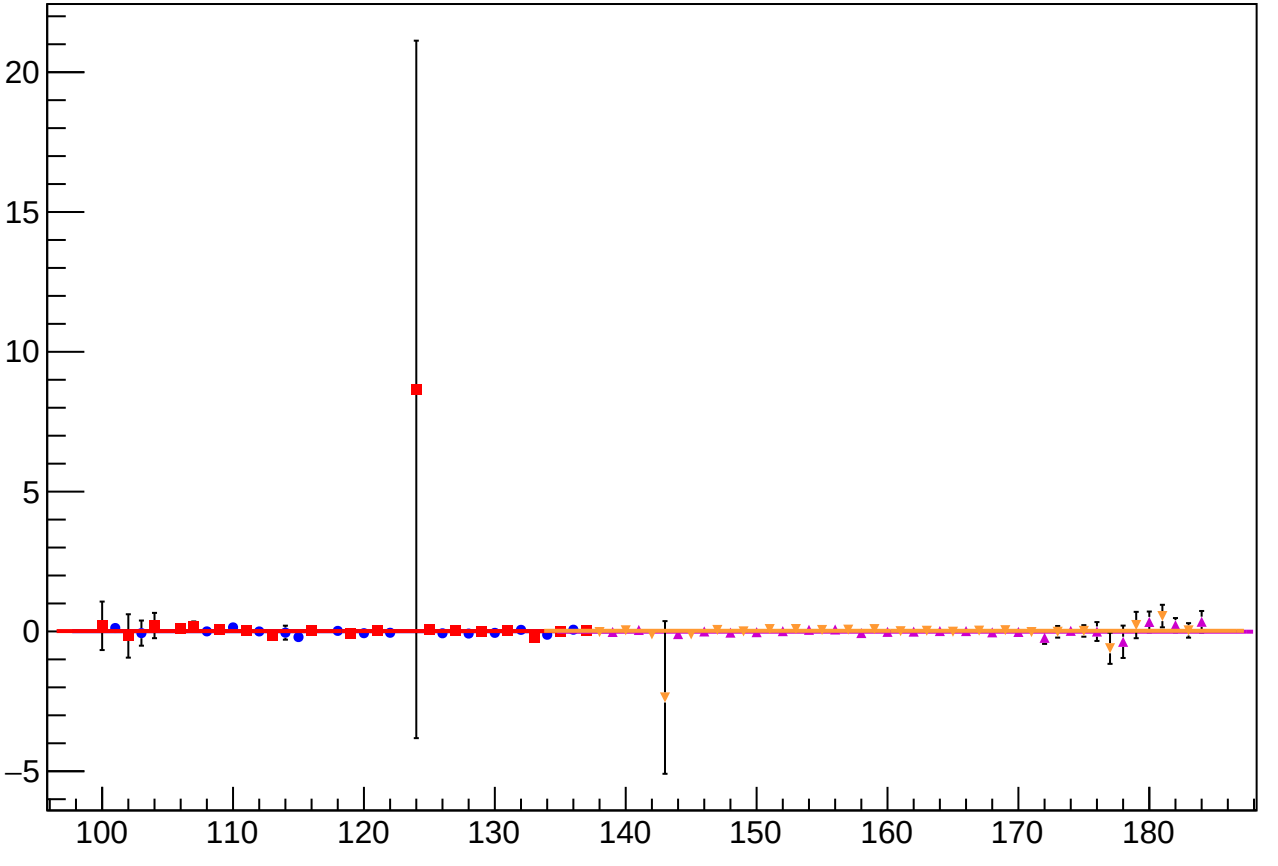
In: 0.000+/-0.000 χ^2/NDF:48.7/38

Out: -0.000+/-0.000 χ^2/NDF:47.4/42

All: -0.000+/-0.000 χ^2/NDF: 97.0/81


asym_at1_dd_at2_dd_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: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.002+/-0.000 χ²/NDF:11849002.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.002+/-0.000 χ²/NDF:10766932.4/22
Left: 0.002+/-0.000 χ²/NDF: 22658679.4/46
Right: 0.003+/-0.000 χ²/NDF: 7469105.0/34
In: 0.002+/-0.000 χ²/NDF:16088318.2/38
Out: 0.002+/-0.000 χ²/NDF:16070241.2/42
All: 0.002+/-0.000 χ²/NDF: 32205381.7/81

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:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 41.4/46

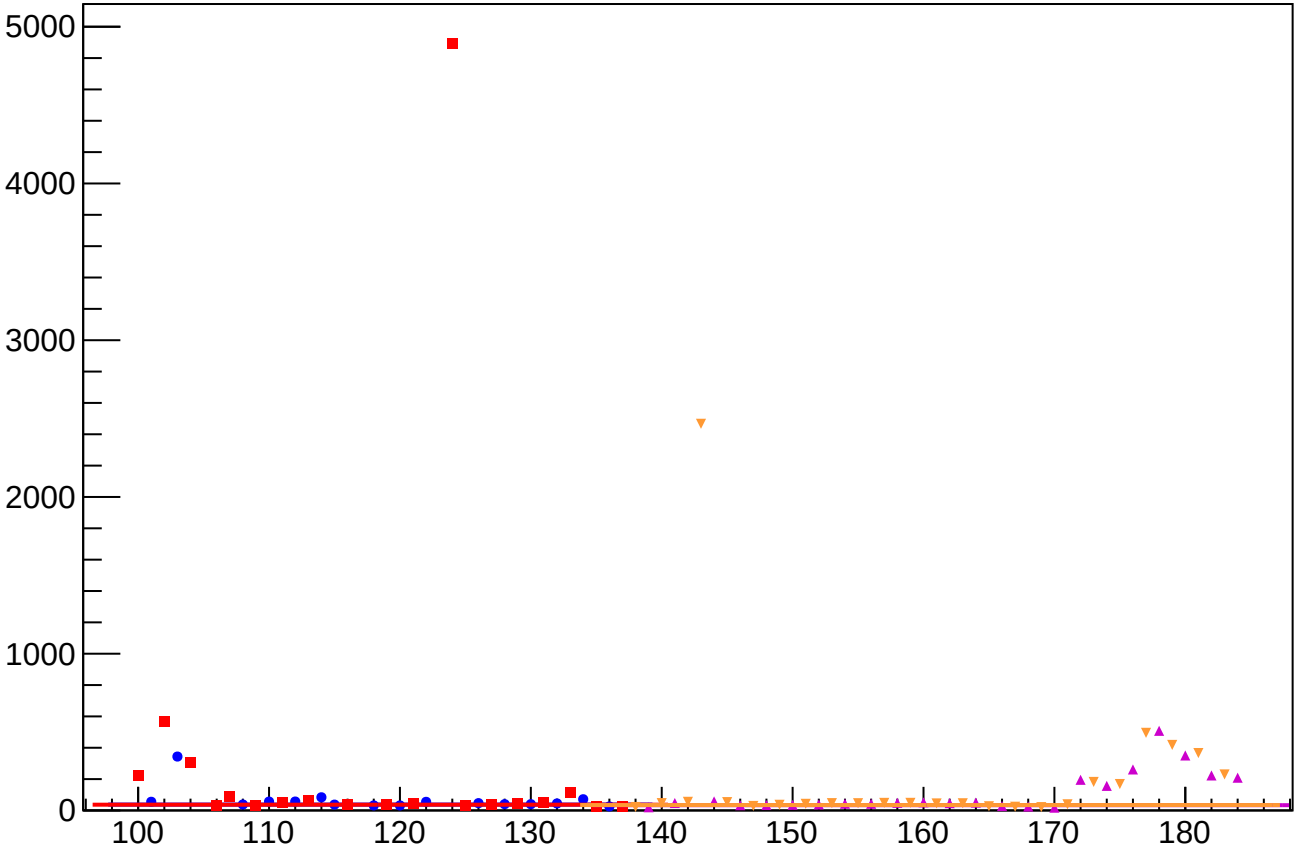
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.020+/-0.009 χ^2/NDF:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 73.3/81

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: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.044+/-0.005 χ^2/NDF: 21114668.6/46

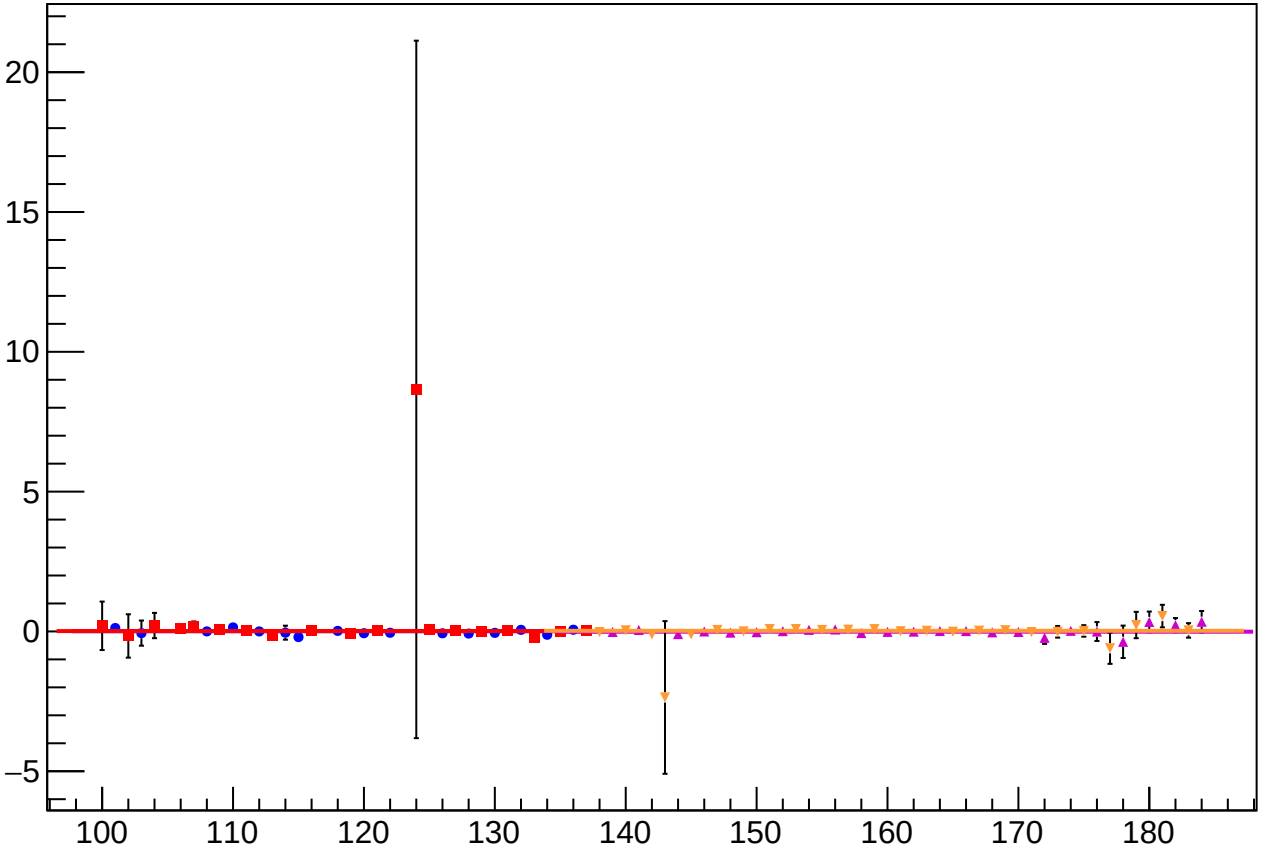
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.673+/-0.006 χ^2/NDF:12134541.5/38

Out: 35.134+/-0.006 χ^2/NDF:14257153.1/42

All: 34.897+/-0.004 χ^2/NDF: 26394580.0/81

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:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 41.4/46

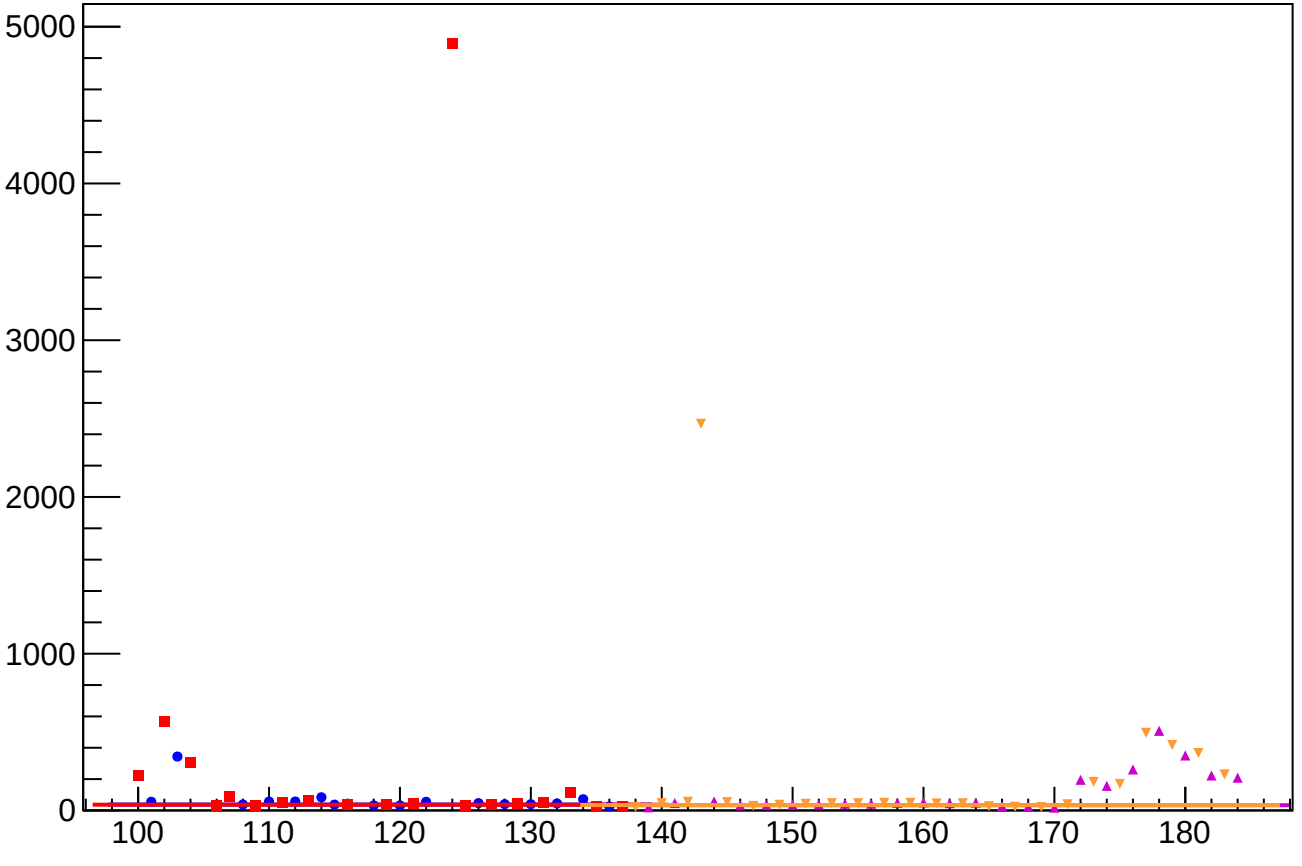
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.020+/-0.009 χ^2/NDF:34.1/42

All: 0.007+/-0.006 χ^2/NDF: 73.3/81

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: 33.595+/-0.007 χ^2/NDF:10066196.6/22

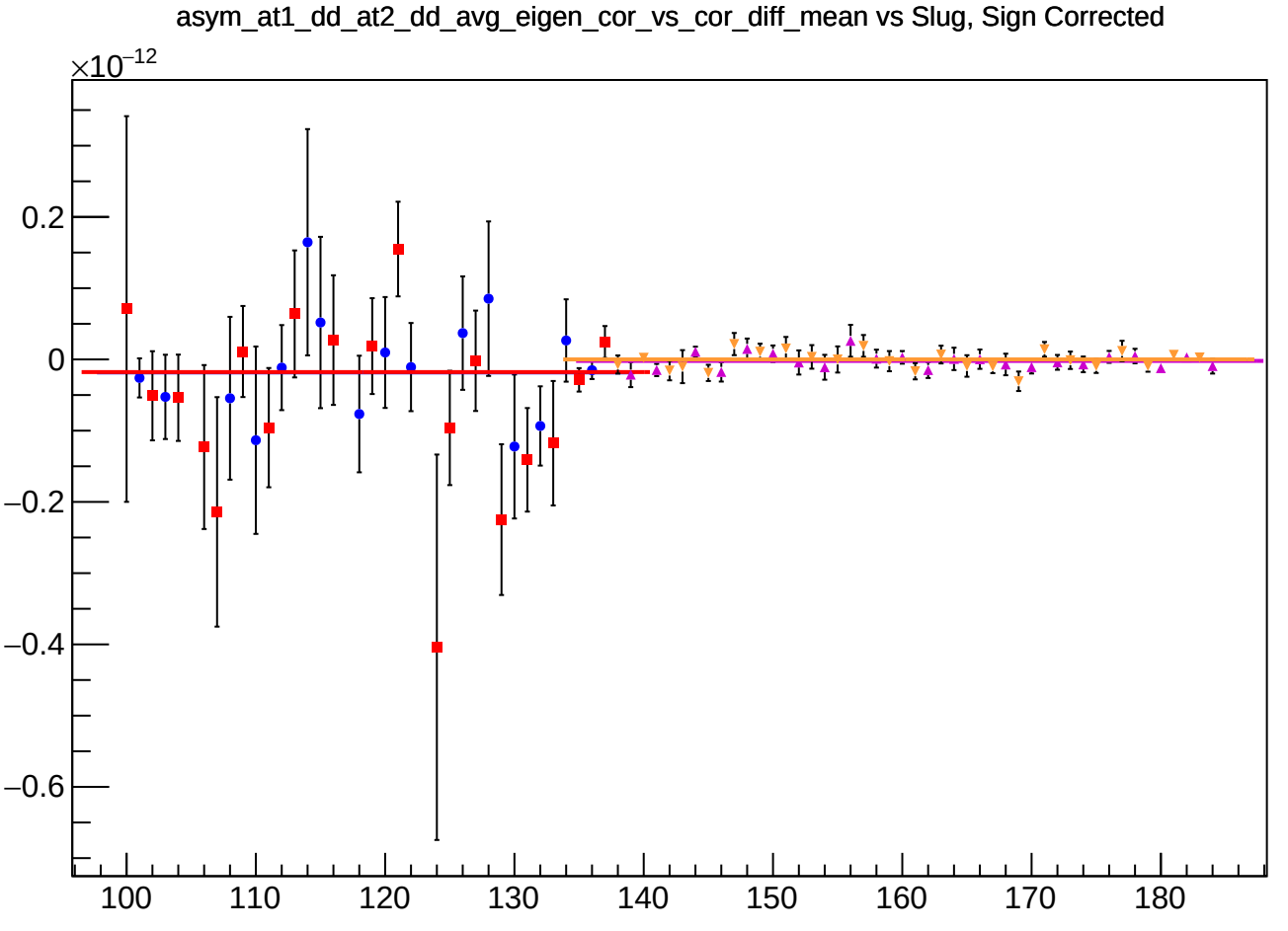
Left: 34.044+/-0.005 χ^2/NDF: 21114668.6/46

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.673+/-0.006 χ^2/NDF:12134541.5/38

Out: 35.134+/-0.006 χ^2/NDF:14257153.1/42

All: 34.897+/-0.004 χ^2/NDF: 26394580.0/81



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:20.0/22

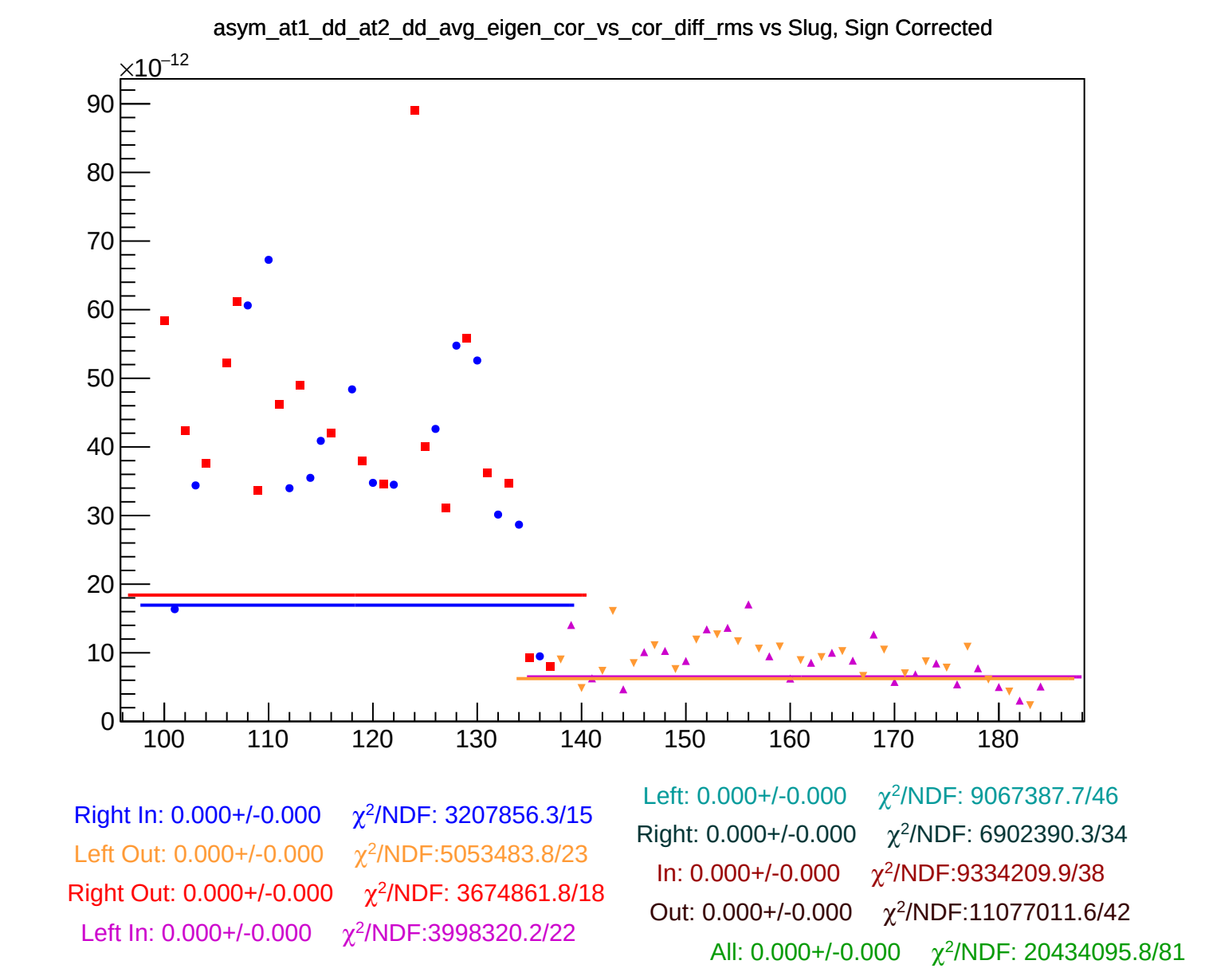
Left: -0.000+/-0.000 χ^2/NDF: 45.8/46

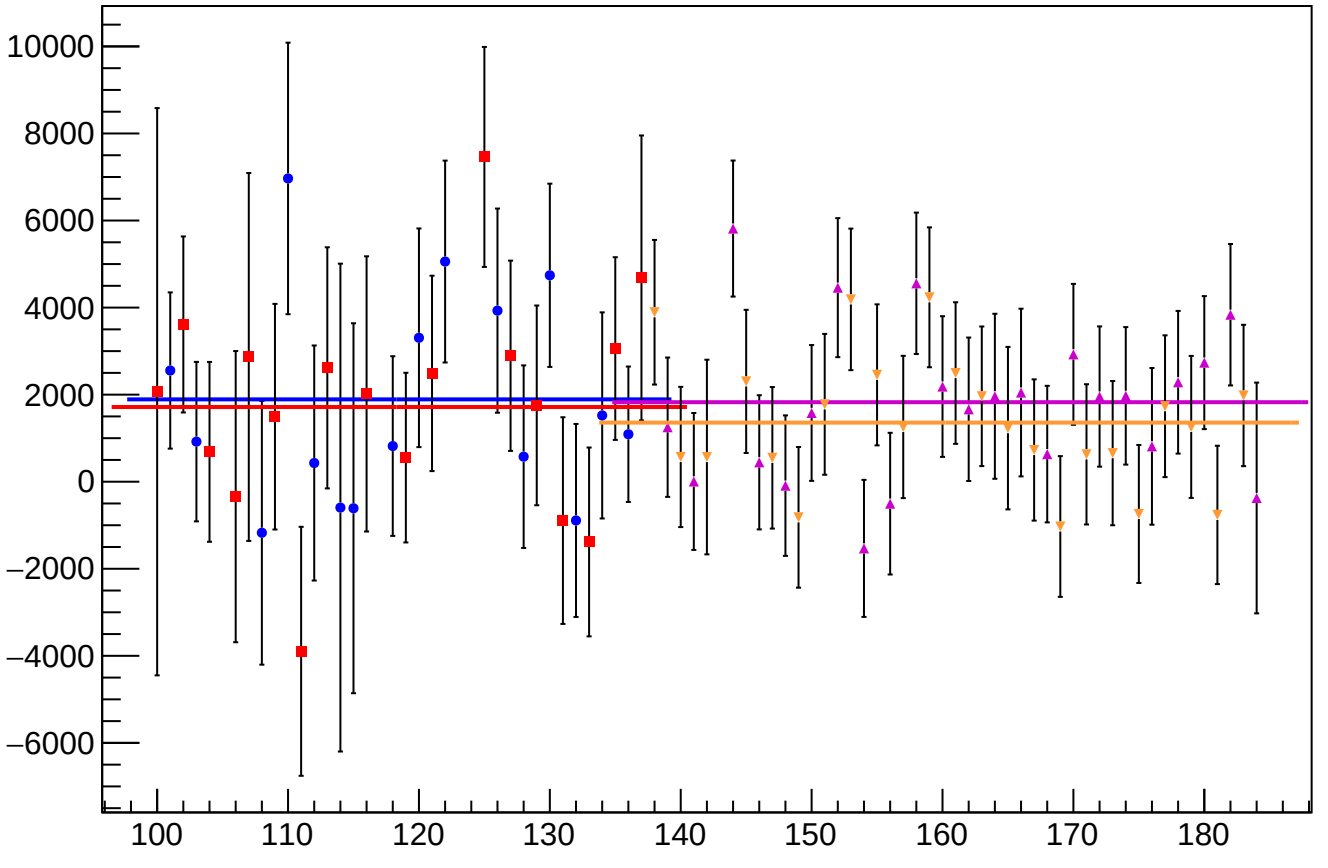
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:30.8/38

Out: -0.000+/-0.000 χ^2/NDF:55.1/42

All: -0.000+/-0.000 χ^2/NDF: 86.5/81


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:5053483.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
Left: 0.000+/-0.000 χ²/NDF: 9067387.7/46
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:9334209.9/38
Out: 0.000+/-0.000 χ²/NDF:11077011.6/42
All: 0.000+/-0.000 χ²/NDF: 20434095.8/81



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: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1592.103+/-242.887 χ^2/NDF: 46.3/45

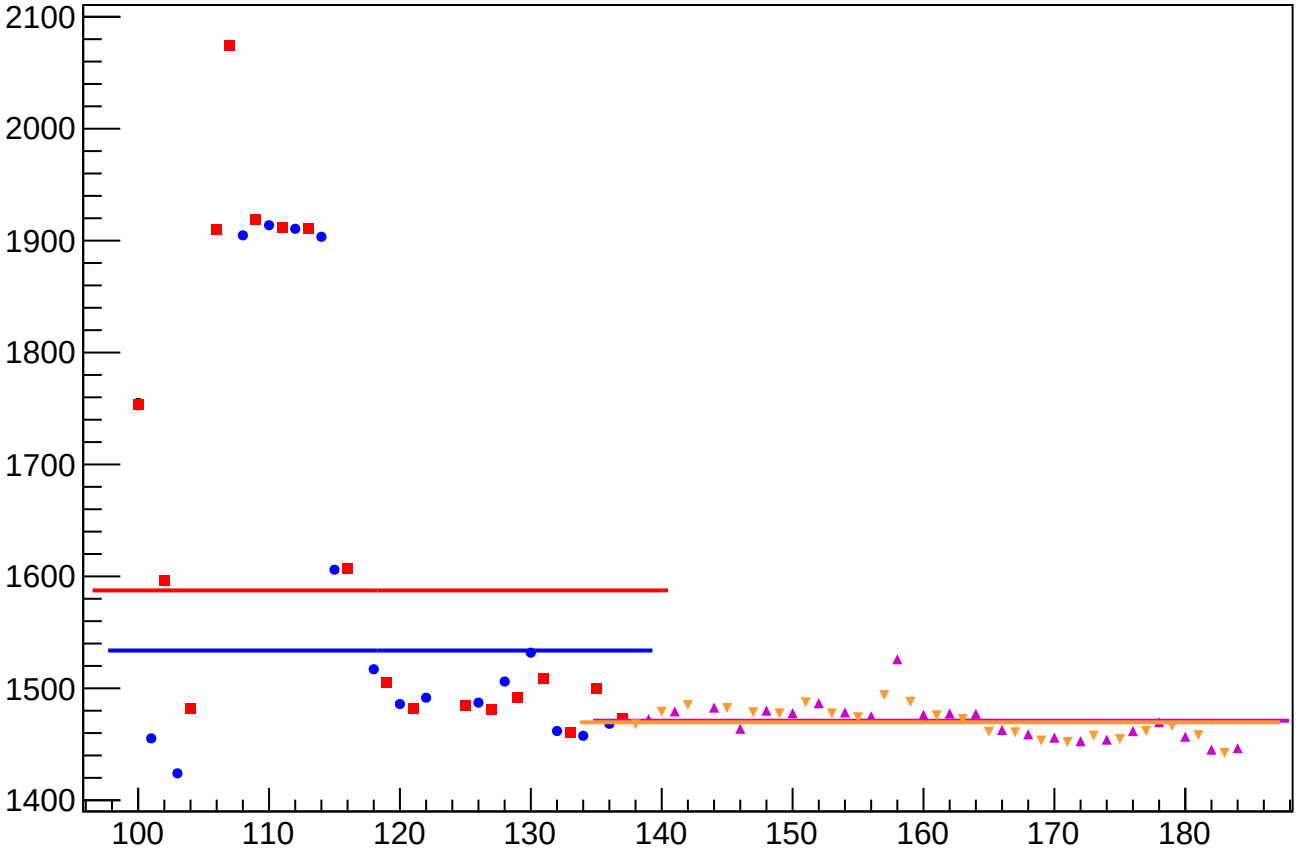
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1843.777+/-294.503 χ^2/NDF:38.7/38

Out: 1448.402+/-296.796 χ^2/NDF:35.2/40

All: 1647.623+/-209.051 χ^2/NDF: 74.8/79

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: 1471.054+/-0.243 χ^2/NDF:4642.4/22

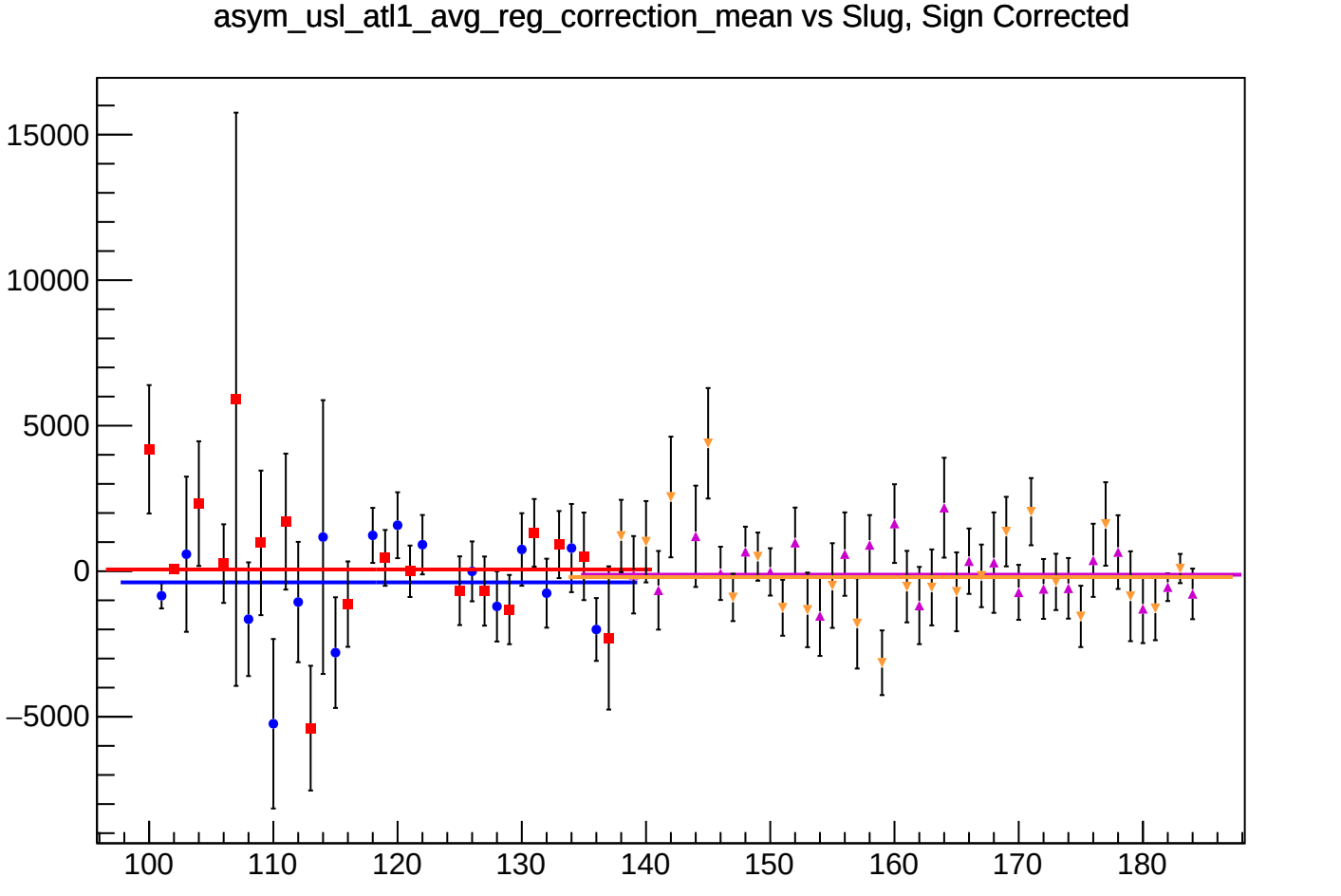
Left: 1470.344+/-0.172 χ^2/NDF: 7656.1/45

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1487.665+/-0.208 χ^2/NDF:151574.6/38

Out: 1499.500+/-0.210 χ^2/NDF:234629.5/40

All: 1493.537+/-0.148 χ^2/NDF: 387806.5/79



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: -119.802+/-215.975 χ^2/NDF:12.8/22

Left: -158.829+/-155.694 χ^2/NDF: 44.7/45

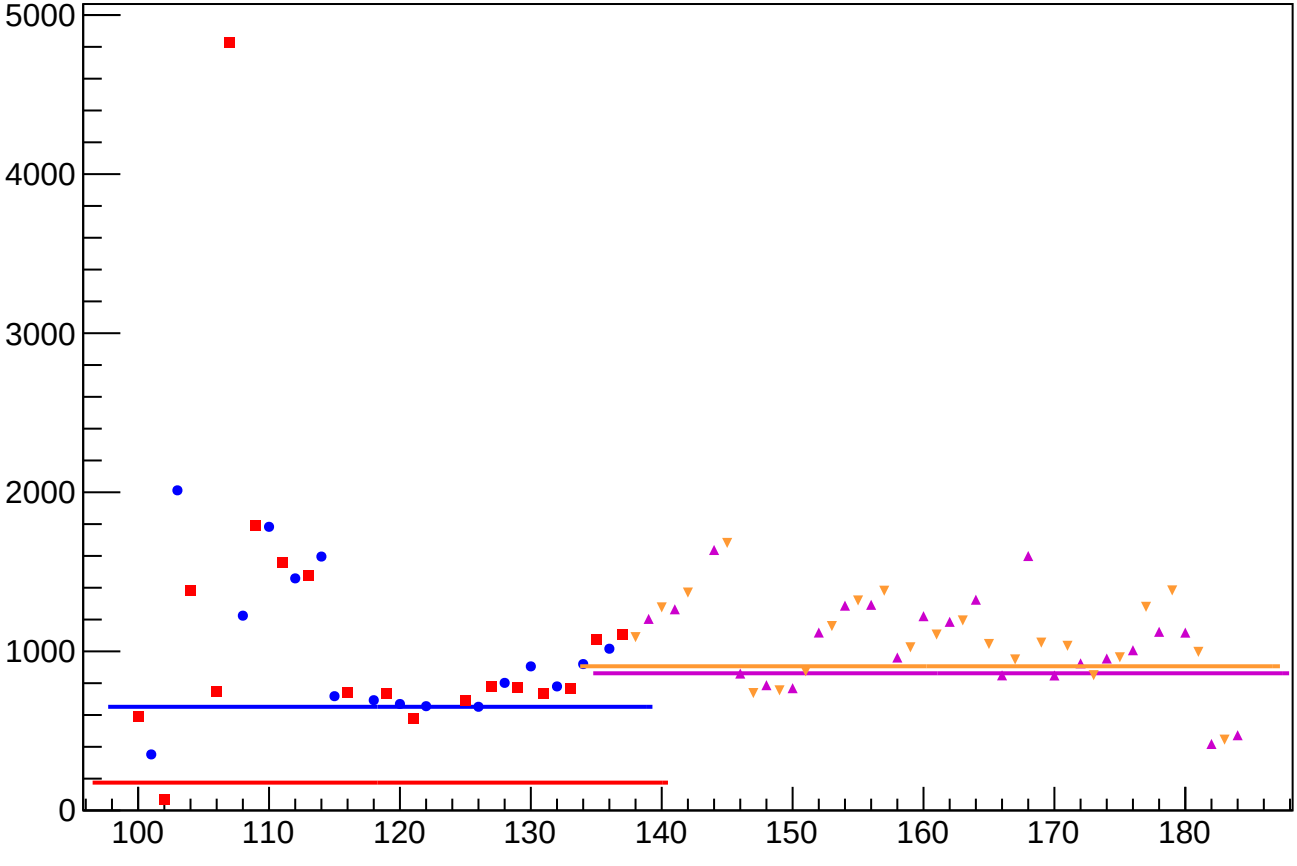
Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -221.398+/-169.190 χ^2/NDF:31.6/38

Out: -3.775+/-111.018 χ^2/NDF:50.6/40

All: -69.274+/-92.820 χ^2/NDF: 83.3/79

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: 862.298+/-0.153 χ^2/NDF:4369416.2/22

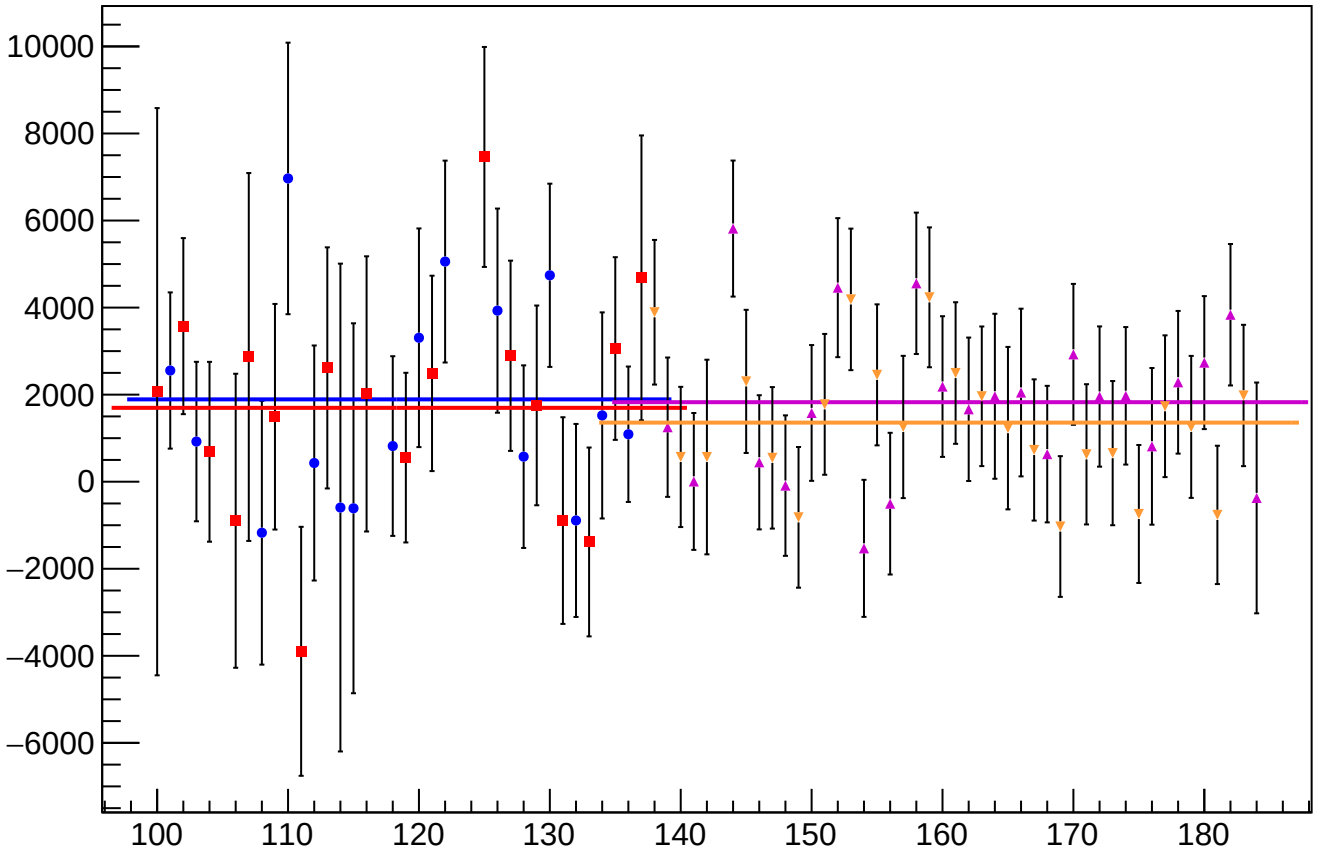
Left: 883.455+/-0.110 χ^2/NDF: 7899616.6/45

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 780.872+/-0.120 χ^2/NDF:7867949.0/38

Out: 353.526+/-0.079 χ^2/NDF:29275738.0/40

All: 482.146+/-0.066 χ^2/NDF: 46062997.3/79



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: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1592.127+/-242.887 χ^2/NDF: 46.3/45

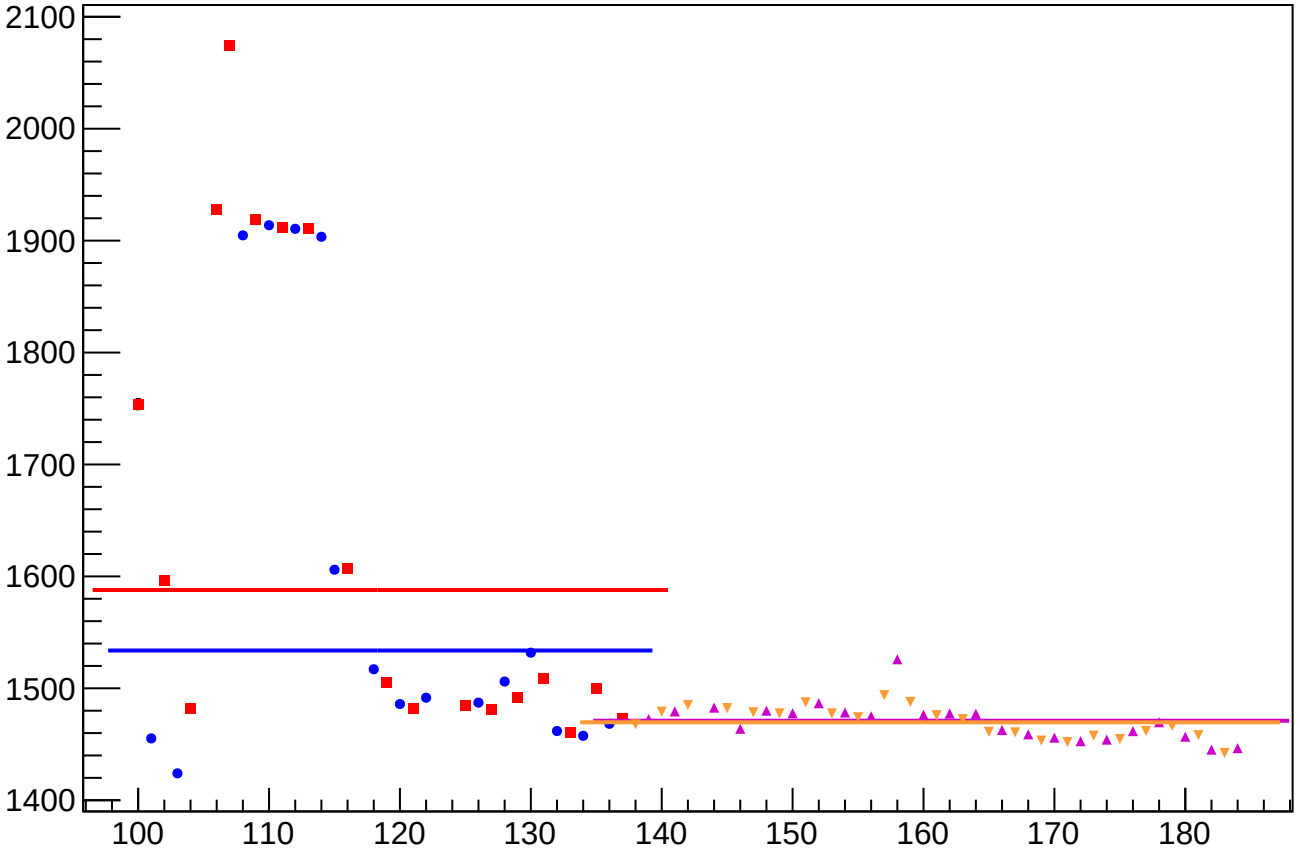
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1843.838+/-294.503 χ^2/NDF:38.7/38

Out: 1443.568+/-296.819 χ^2/NDF:35.3/40

All: 1645.271+/-209.059 χ^2/NDF: 75.0/79

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: 1471.054+/-0.243 χ^2/NDF:4642.4/22

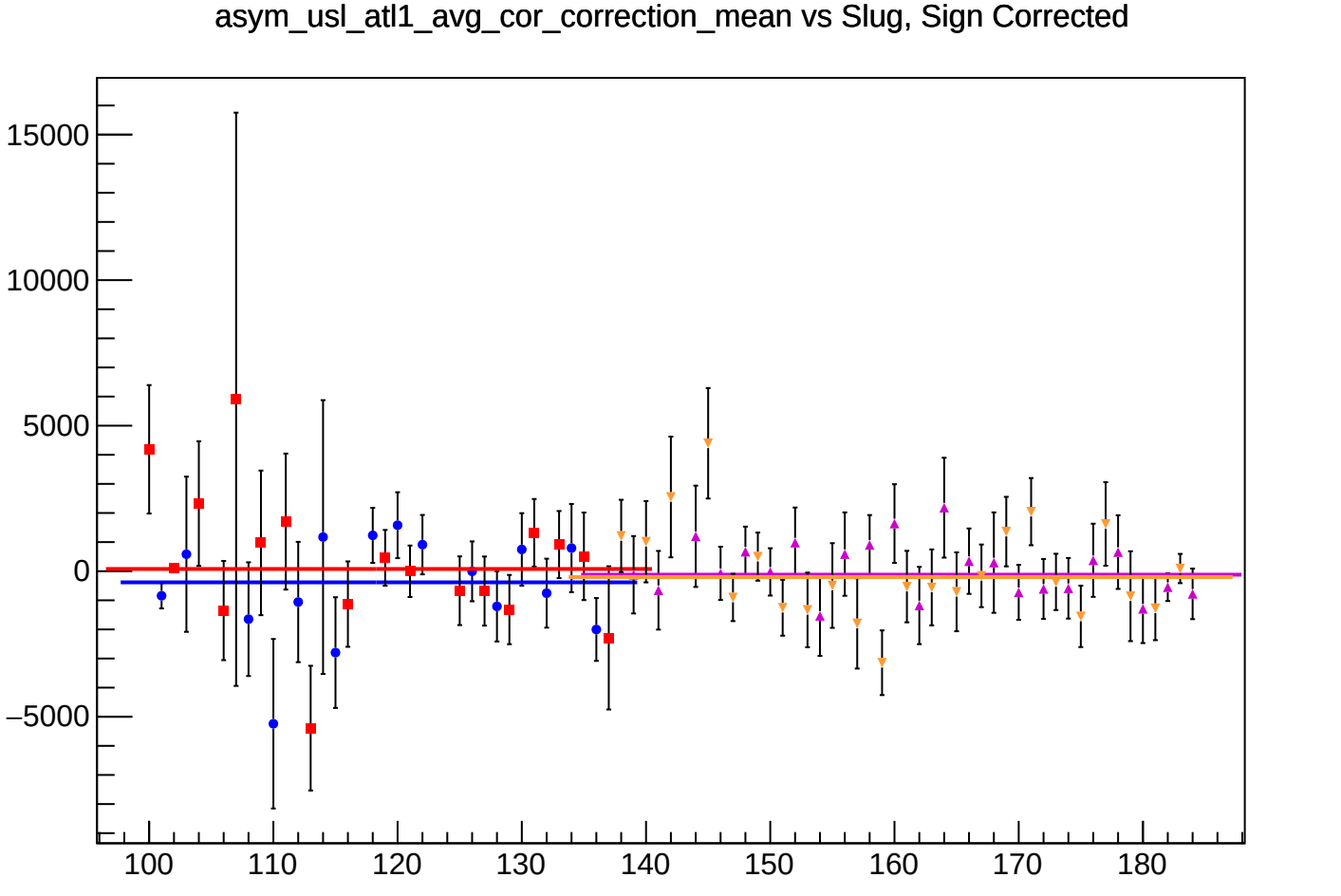
Left: 1470.344+/-0.172 χ^2/NDF: 7656.1/45

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1487.665+/-0.208 χ^2/NDF:151574.6/38

Out: 1499.584+/-0.210 χ^2/NDF:236770.9/40

All: 1493.578+/-0.148 χ^2/NDF: 389970.5/79



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: -119.845+/-215.975 χ^2/NDF:12.8/22

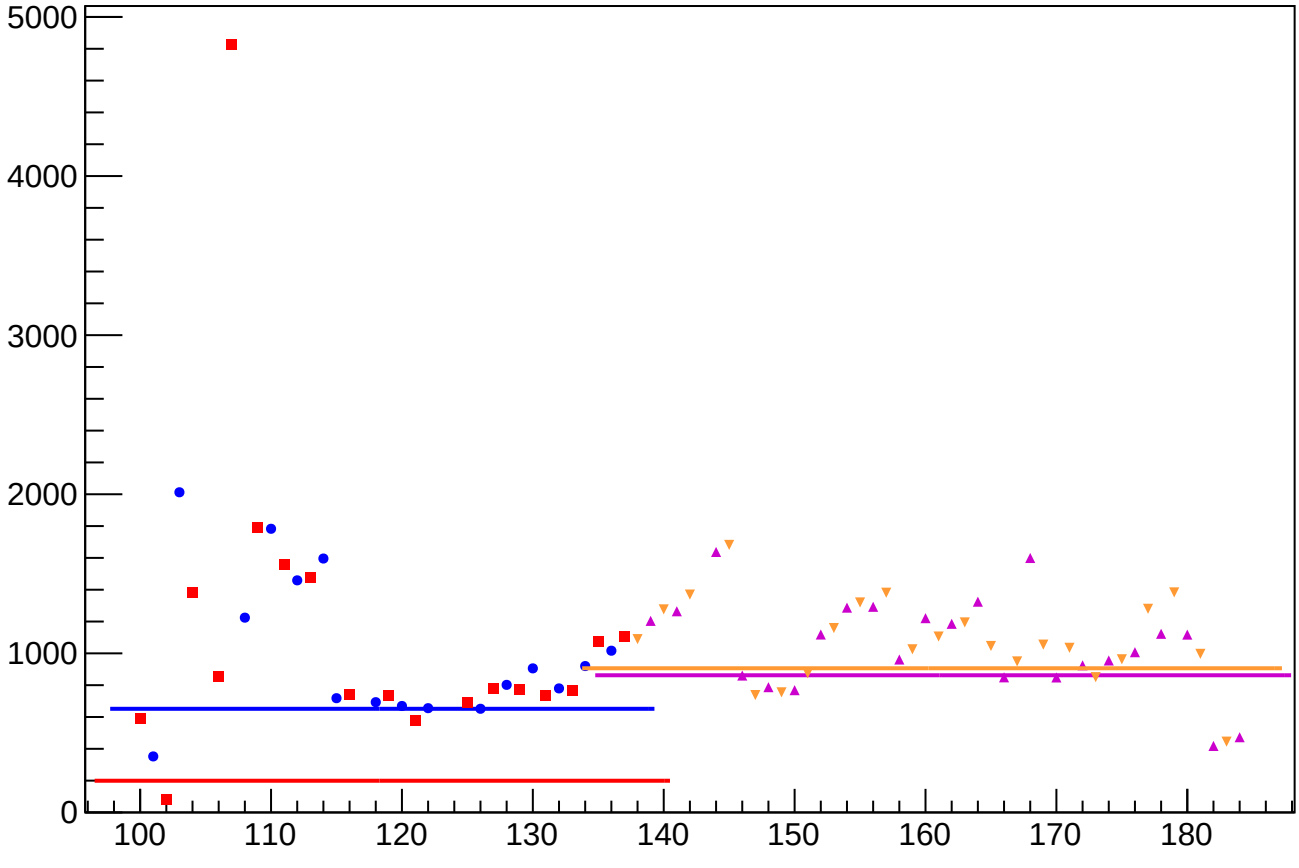
Left: -158.857+/-155.694 χ^2/NDF: 44.7/45

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -221.415+/-169.190 χ^2/NDF:31.6/38

Out: 0.531+/-117.671 χ^2/NDF:51.4/40

All: -71.827+/-96.604 χ^2/NDF: 84.1/79



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: 862.300+/-0.153 χ^2/NDF:4369426.7/22

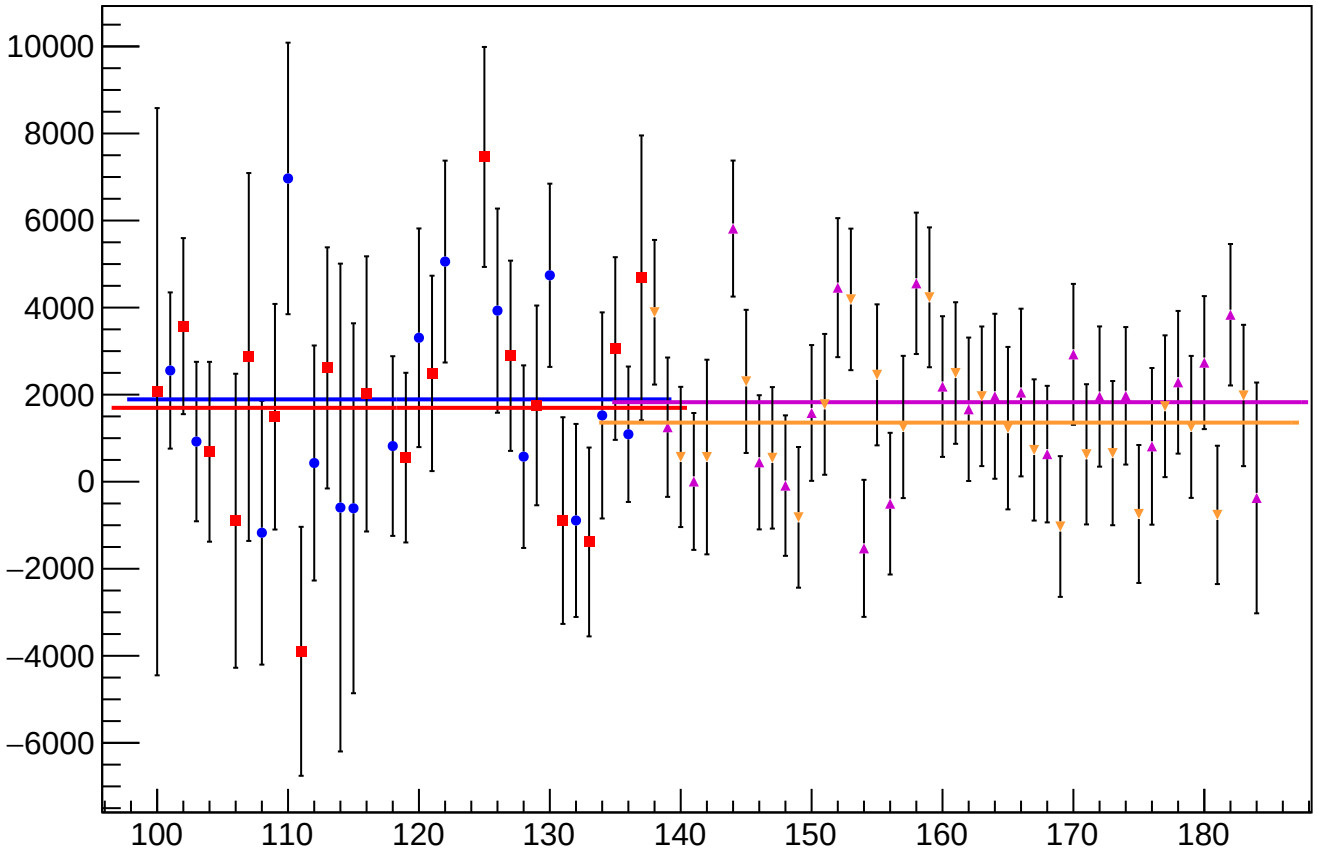
Left: 883.452+/-0.110 χ^2/NDF: 7899904.3/45

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 780.872+/-0.120 χ^2/NDF:7868009.5/38

Out: 393.317+/-0.083 χ^2/NDF:27148958.1/40

All: 519.666+/-0.068 χ^2/NDF: 42089834.0/79



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: 1826.644+/-343.483 χ^2/NDF:26.5/22

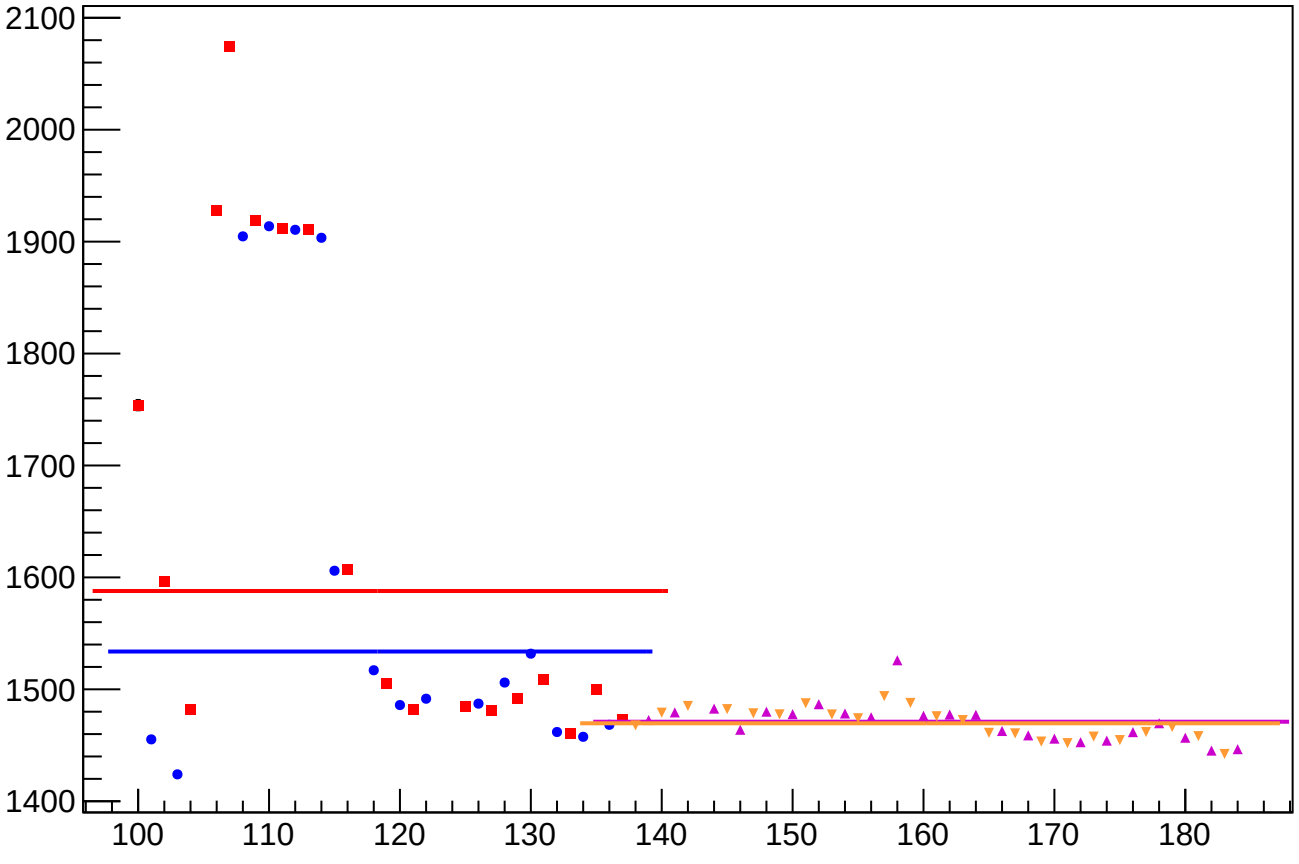
Left: 1592.127+/-242.887 χ^2/NDF: 46.3/45

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1843.838+/-294.503 χ^2/NDF:38.7/38

Out: 1443.568+/-296.819 χ^2/NDF:35.3/40

All: 1645.271+/-209.059 χ^2/NDF: 75.0/79



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: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.344+/-0.172 χ^2/NDF: 7656.1/45

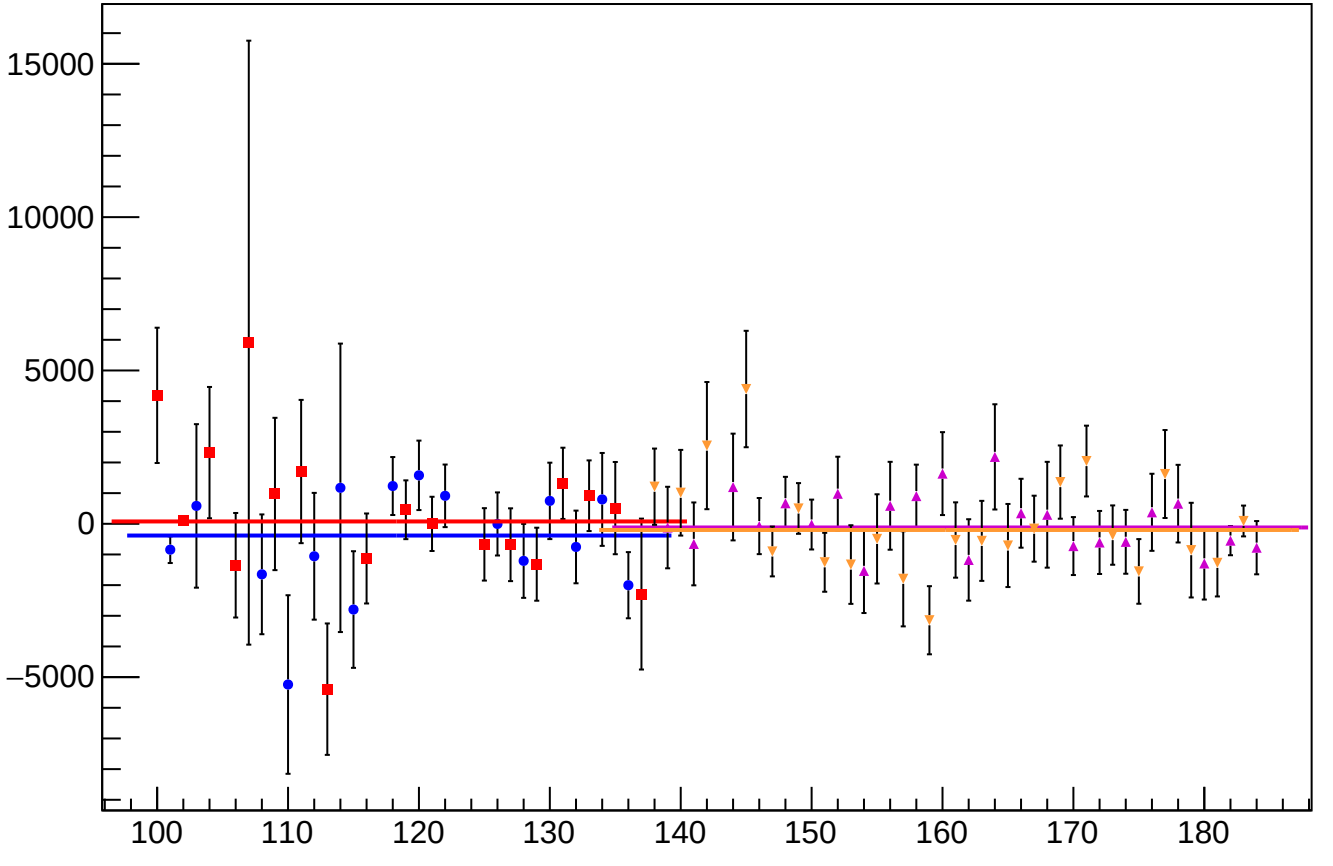
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1487.665+/-0.208 χ^2/NDF:151574.6/38

Out: 1499.584+/-0.210 χ^2/NDF:236770.9/40

All: 1493.578+/-0.148 χ^2/NDF: 389970.5/79

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: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -158.857+/-155.694 χ^2/NDF: 44.7/45

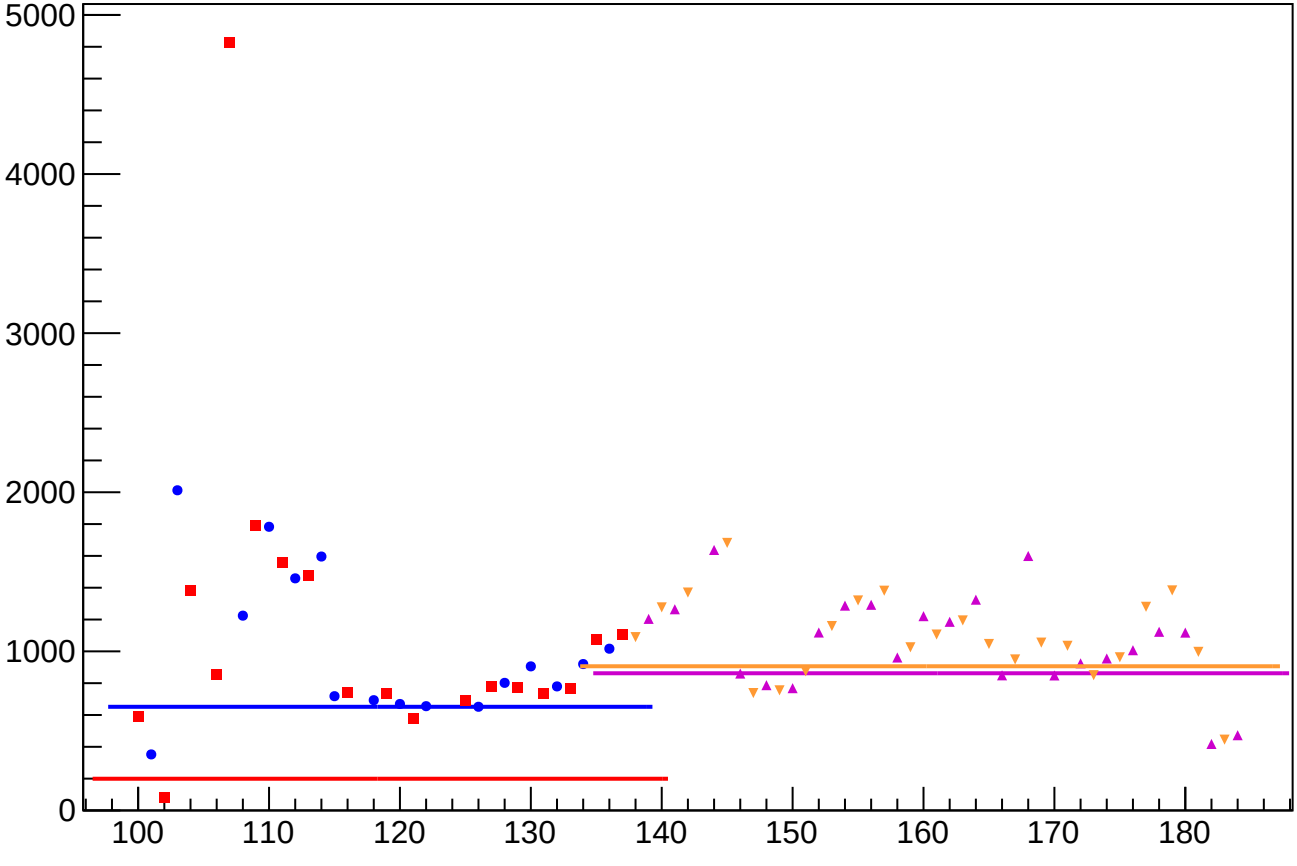
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -221.415+/-169.190 χ^2/NDF:31.6/38

Out: 0.531+/-117.671 χ^2/NDF:51.4/40

All: -71.827+/-96.604 χ^2/NDF: 84.1/79

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: 862.300+/-0.153 χ^2/NDF:4369426.7/22

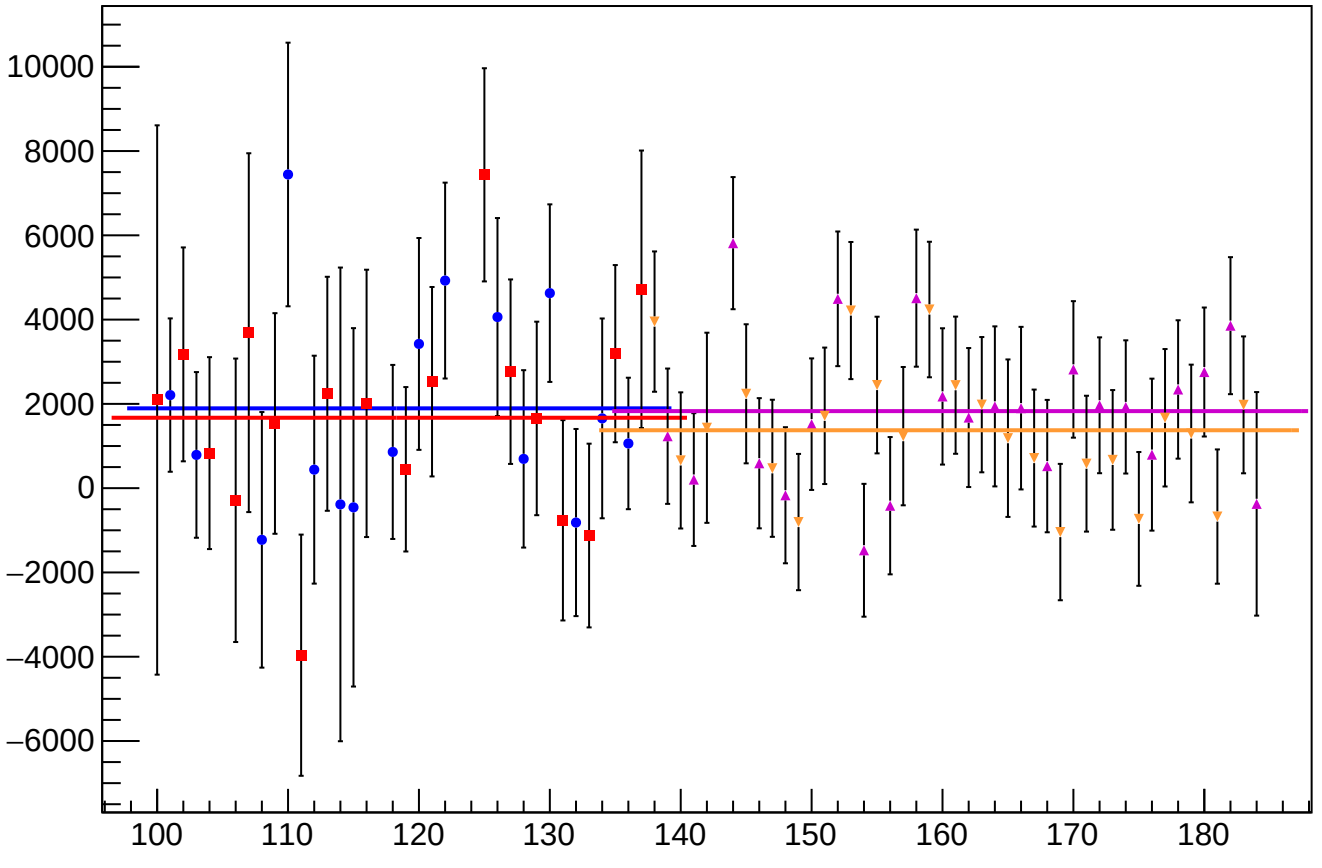
Left: 883.452+/-0.110 χ^2/NDF: 7899904.3/45

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 780.872+/-0.120 χ^2/NDF:7868009.5/38

Out: 393.317+/-0.083 χ^2/NDF:27148958.1/40

All: 519.666+/-0.068 χ^2/NDF: 42089834.0/79



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: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1601.273+/-243.253 χ^2/NDF: 45.4/45

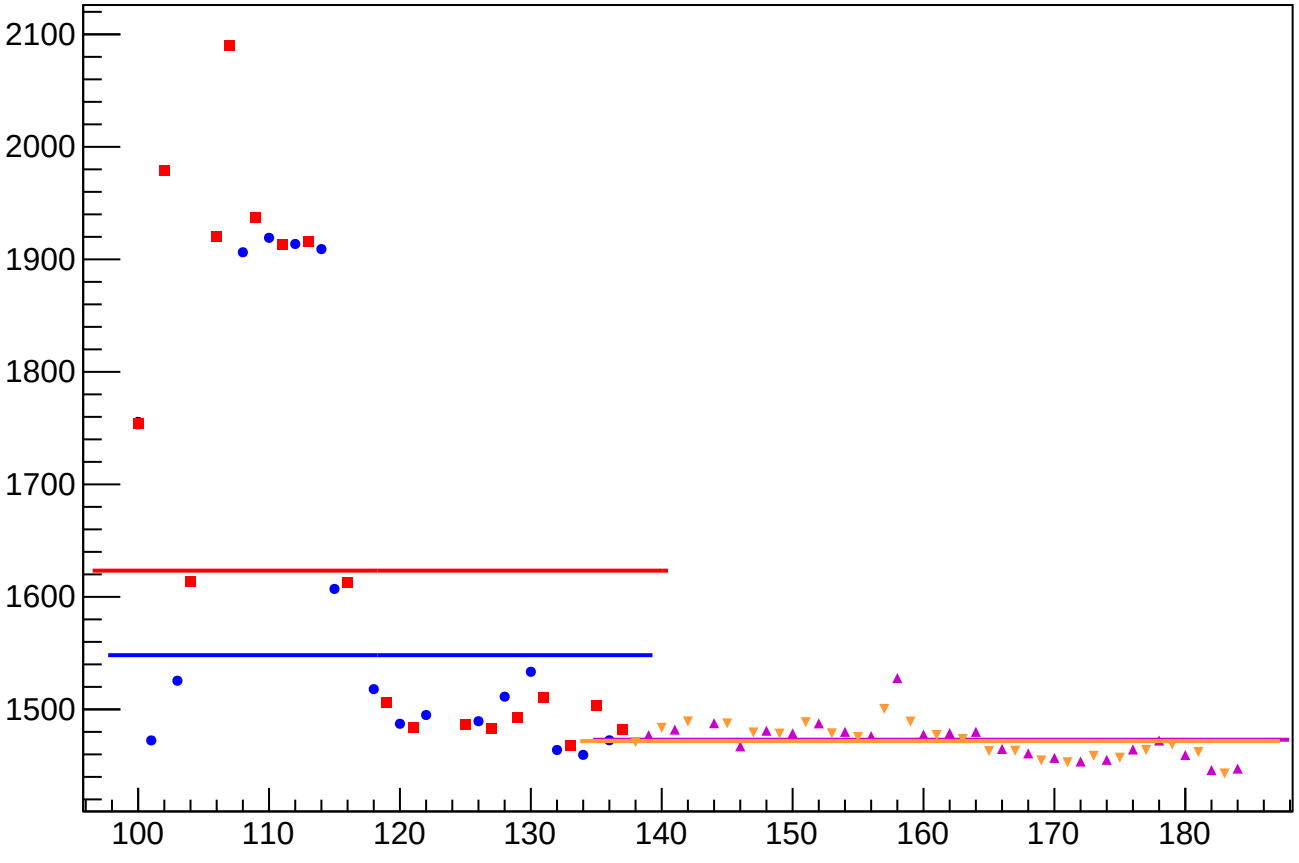
Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1845.505+/-295.528 χ^2/NDF:38.1/38

Out: 1446.702+/-299.068 χ^2/NDF:33.9/40

All: 1648.478+/-210.210 χ^2/NDF: 72.9/79

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1471.824+/-0.243 χ^2/NDF:3262.2/22

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

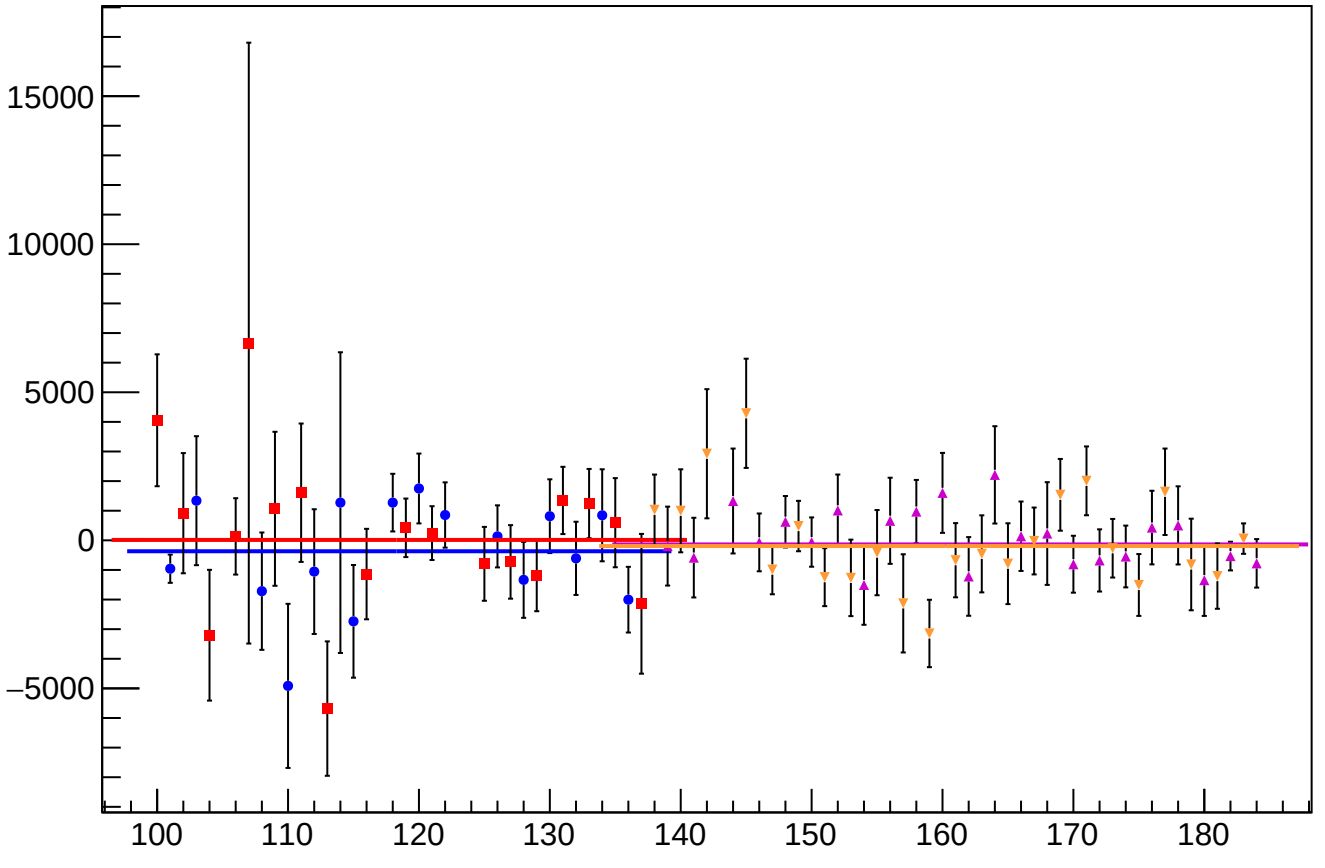
Left: 1472.436+/-0.172 χ^2/NDF: 8026.1/45

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1492.713+/-0.209 χ^2/NDF:149631.4/38

Out: 1508.866+/-0.211 χ^2/NDF:309606.6/40

All: 1500.693+/-0.149 χ^2/NDF: 462189.8/79



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: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -164.674+/-157.804 χ^2/NDF: 44.7/45

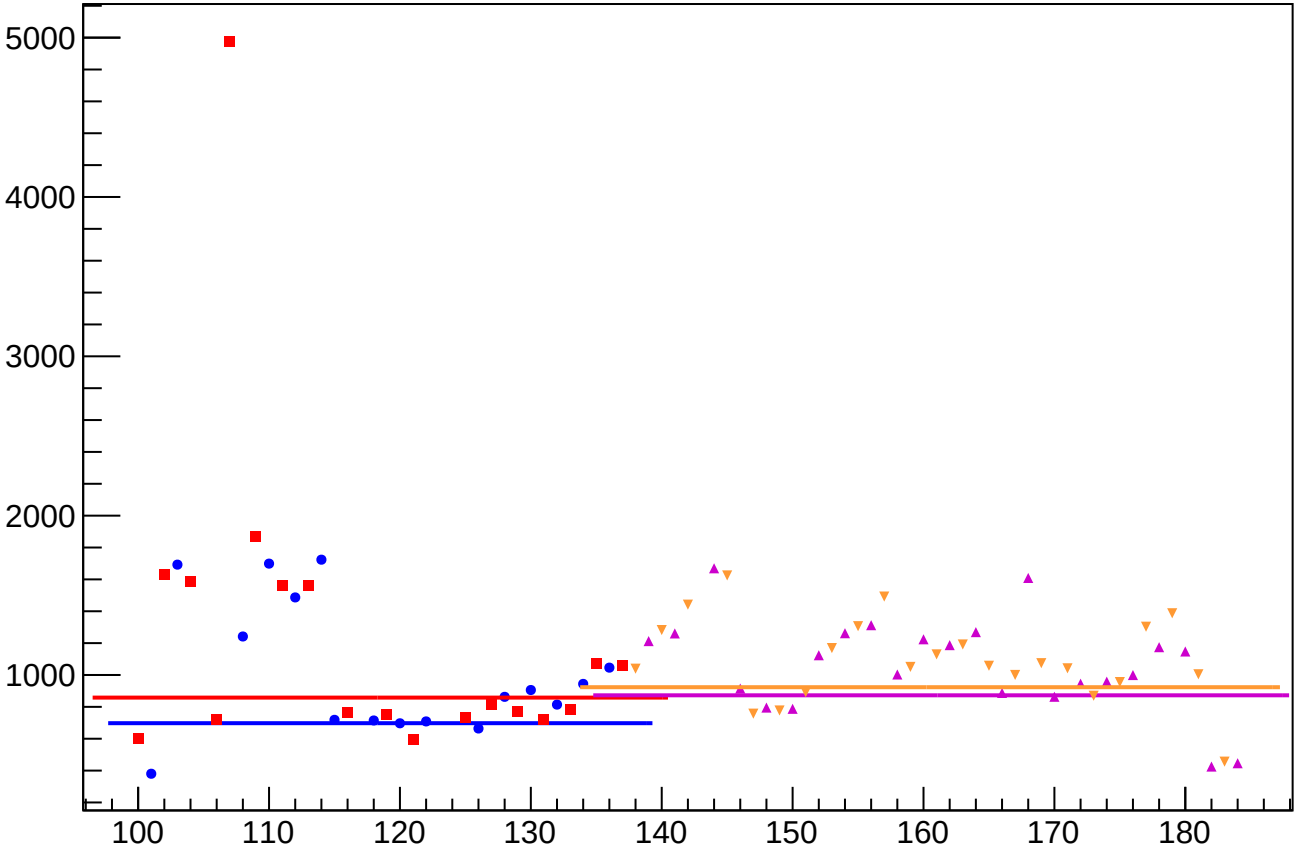
Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -223.069+/-173.745 χ^2/NDF:32.3/38

Out: -129.425+/-189.735 χ^2/NDF:51.0/40

All: -180.358+/-128.137 χ^2/NDF: 83.4/79

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 923.330+/-0.161 χ^2/NDF:3374554.7/22

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

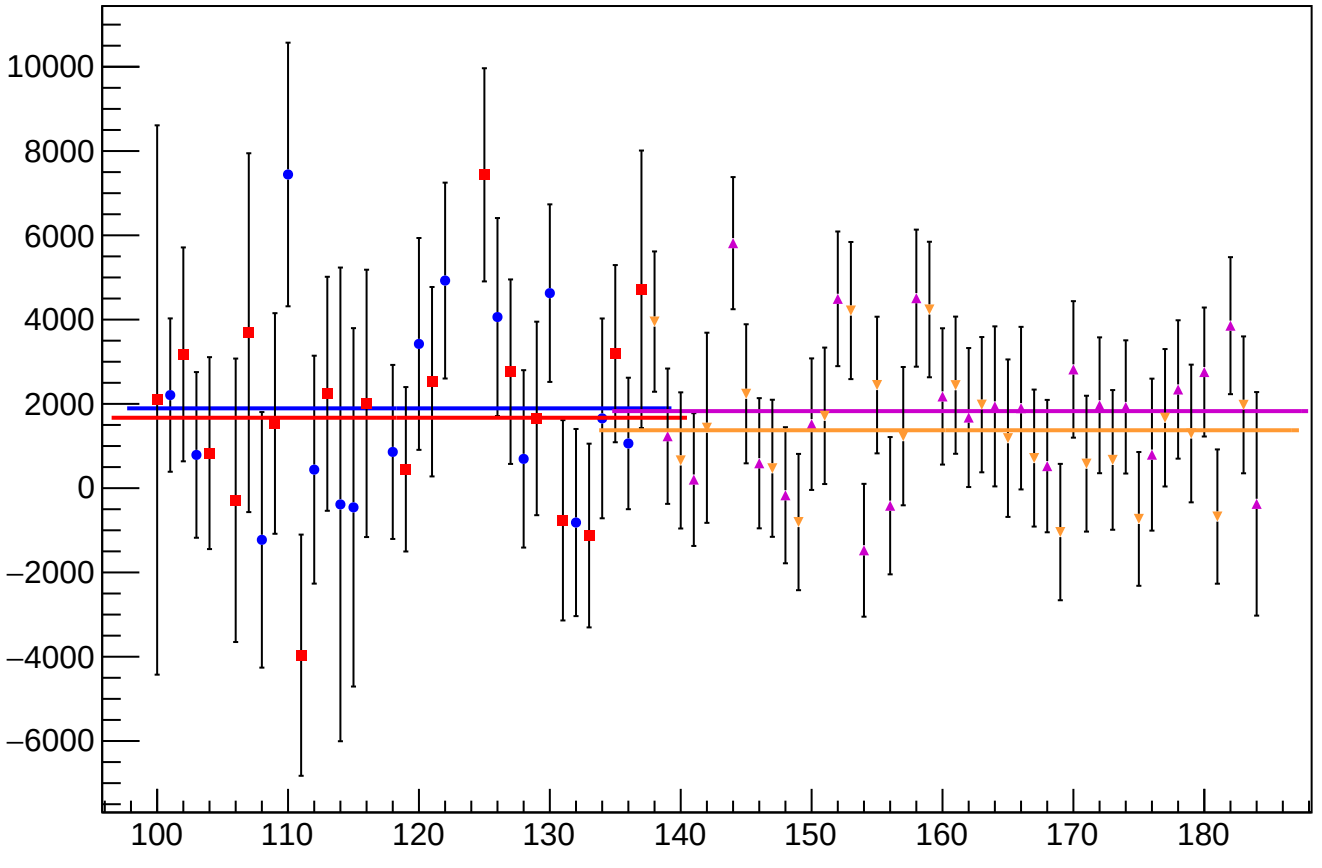
Left: 896.797+/-0.112 χ^2/NDF: 7861907.3/45

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 808.163+/-0.123 χ^2/NDF:7342544.5/38

Out: 903.201+/-0.134 χ^2/NDF:5307160.9/40

All: 851.509+/-0.091 χ^2/NDF: 12922638.4/79



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: 1828.250+/-343.952 χ^2/NDF:25.8/22

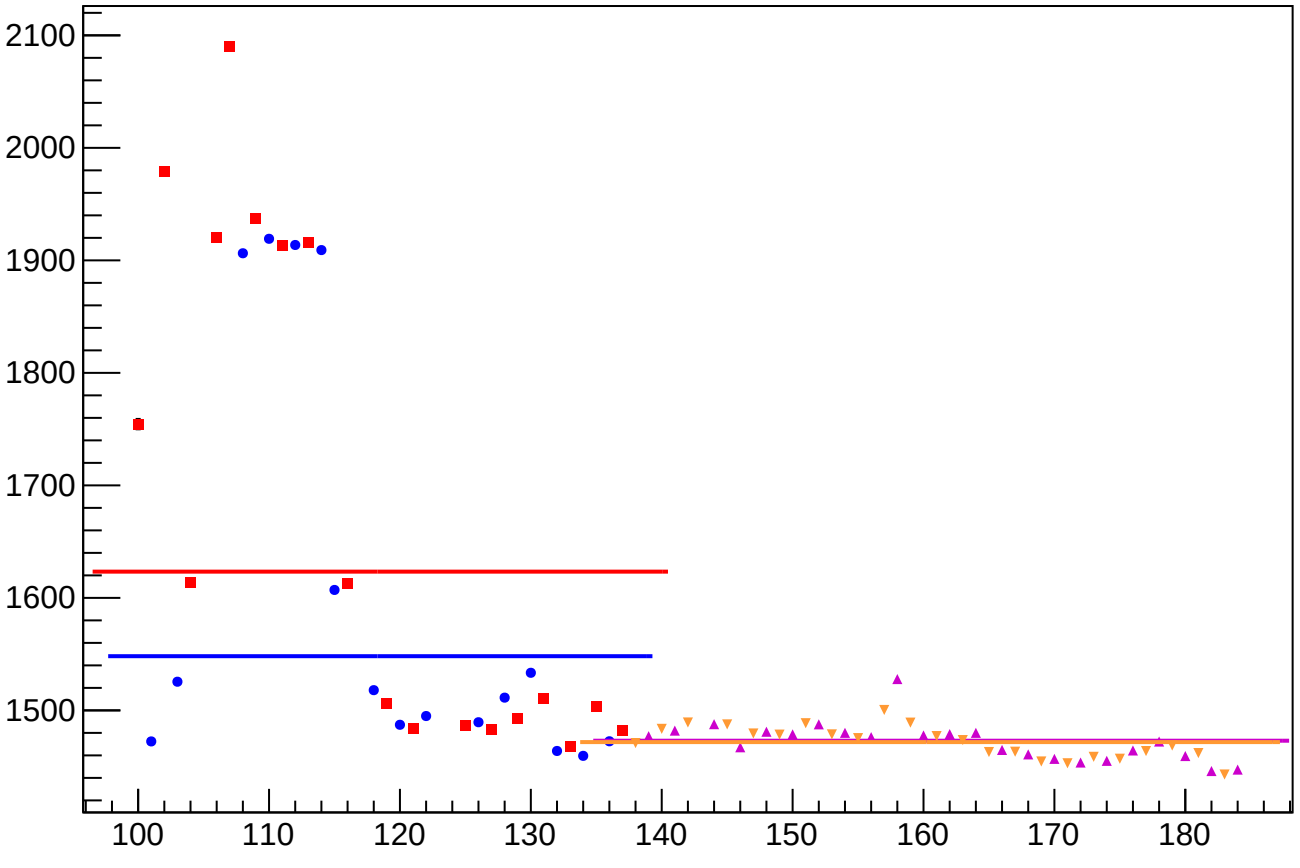
Left: 1601.273+/-243.253 χ^2/NDF: 45.4/45

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1845.505+/-295.528 χ^2/NDF:38.1/38

Out: 1446.700+/-299.068 χ^2/NDF:33.9/40

All: 1648.477+/-210.210 χ^2/NDF: 72.9/79



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: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.436+/-0.172 χ^2/NDF: 8026.1/45

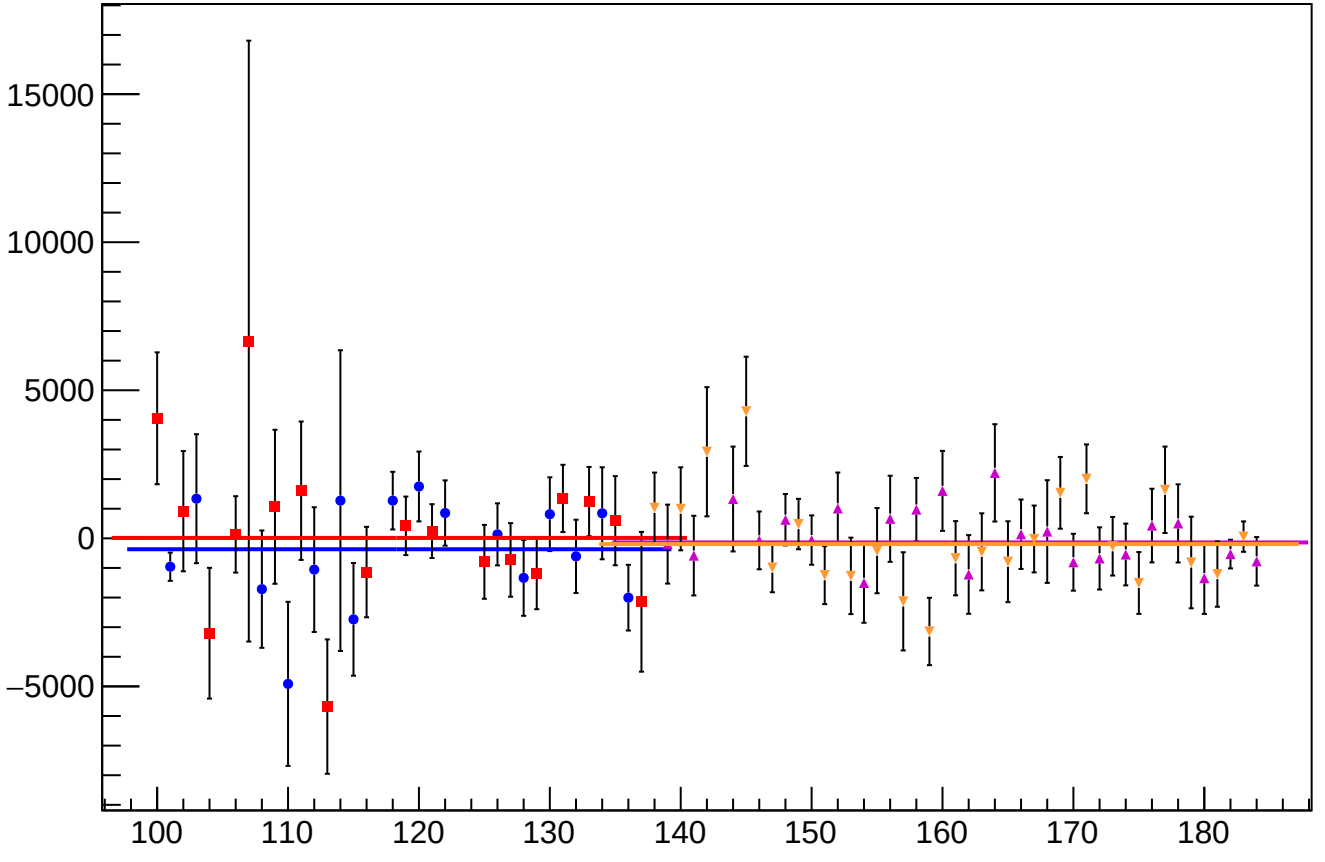
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1492.713+/-0.209 χ^2/NDF:149631.3/38

Out: 1508.866+/-0.211 χ^2/NDF:309606.1/40

All: 1500.693+/-0.149 χ^2/NDF: 462189.1/79

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -193.310+/-228.177 χ^2/NDF:31.7/22

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -164.675+/-157.805 χ^2/NDF: 44.7/45

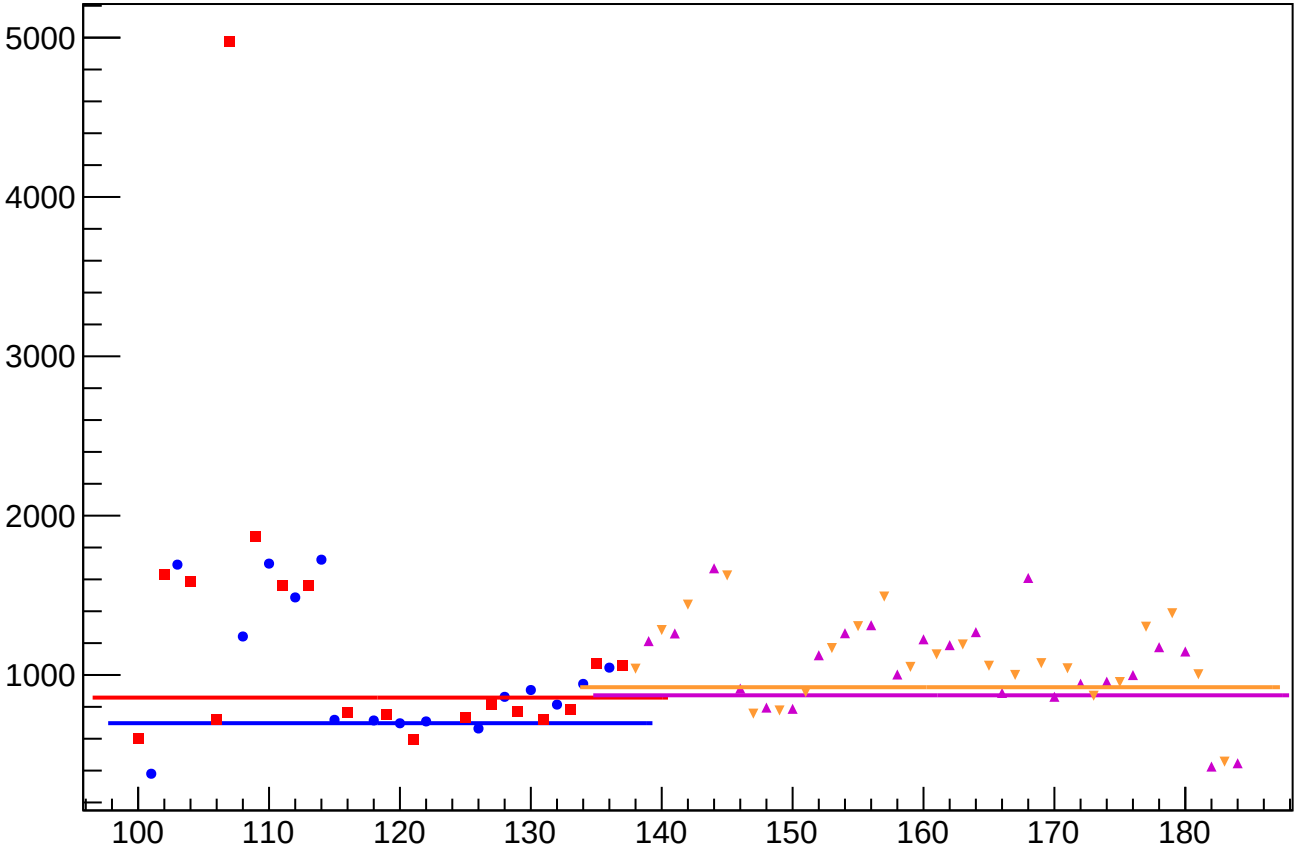
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -223.068+/-173.745 χ^2/NDF:32.3/38

Out: -129.426+/-189.735 χ^2/NDF:51.0/40

All: -180.359+/-128.137 χ^2/NDF: 83.4/79

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: 872.473+/-0.154 χ^2/NDF:4435524.1/22

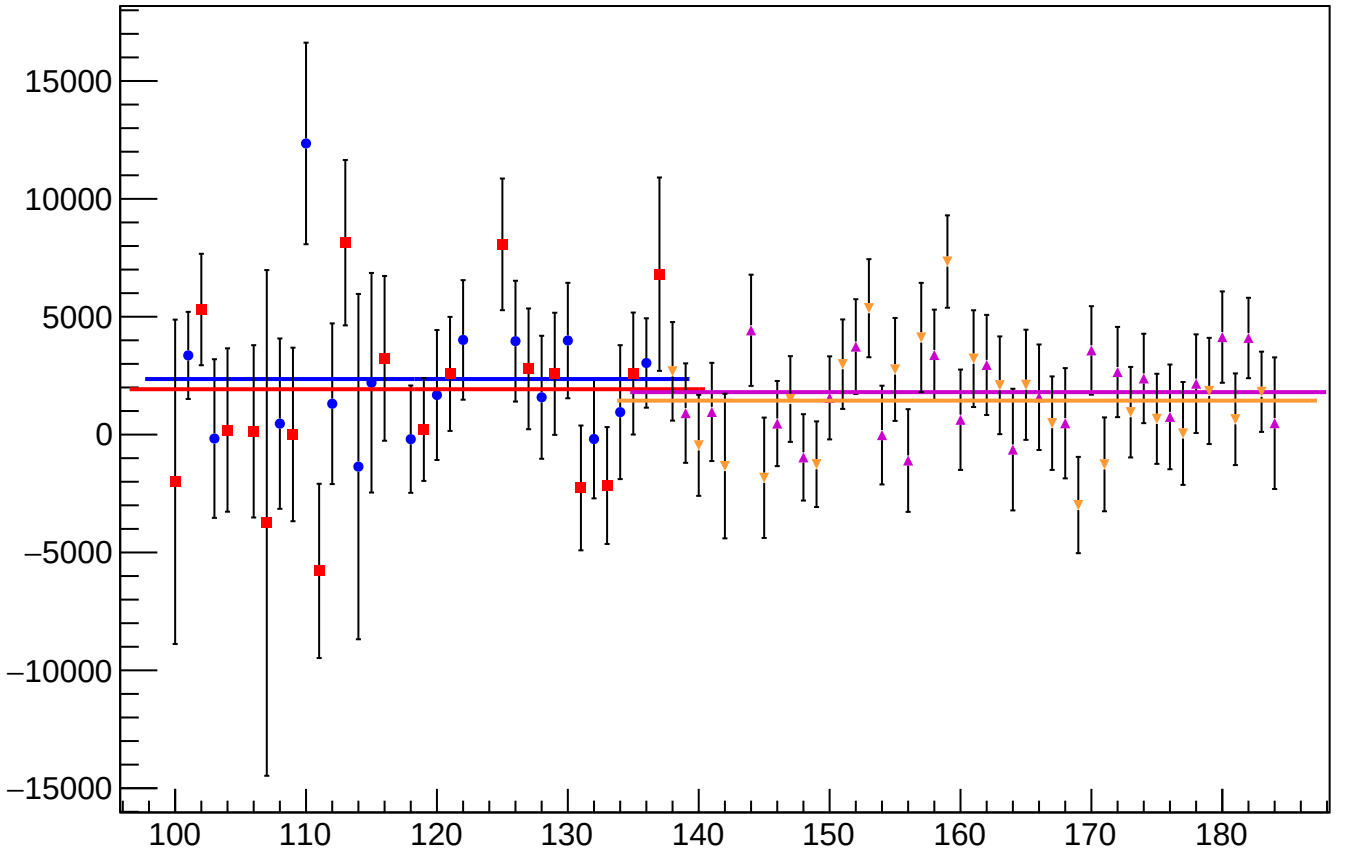
Left: 896.798+/-0.112 χ^2/NDF: 7861921.9/45

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 808.164+/-0.123 χ^2/NDF:7342549.6/38

Out: 903.202+/-0.134 χ^2/NDF:5307181.3/40

All: 851.510+/-0.091 χ^2/NDF: 12922661.5/79



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: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1622.503+/-302.391 χ^2/NDF: 45.0/45

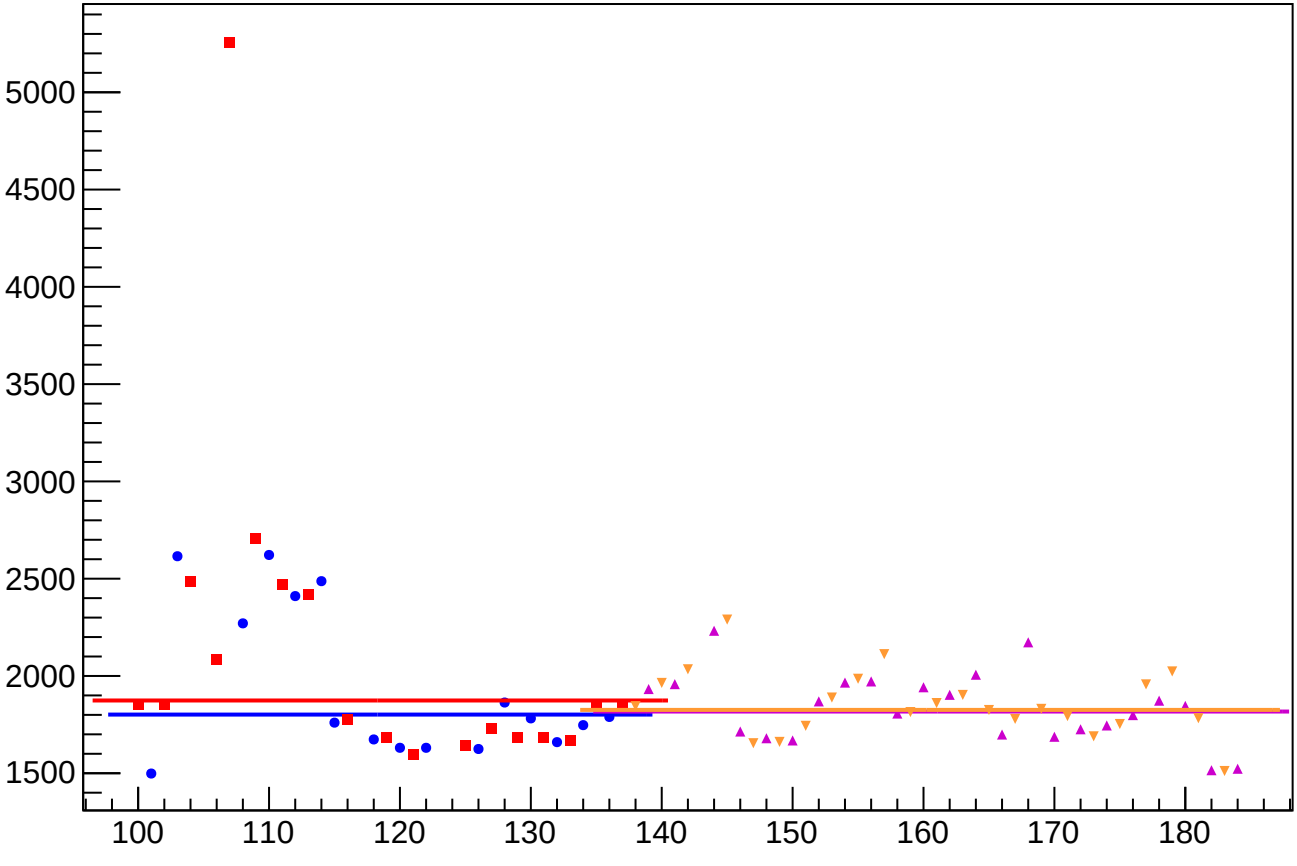
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1958.702+/-361.143 χ^2/NDF:26.8/38

Out: 1571.535+/-366.621 χ^2/NDF:53.2/40

All: 1768.033+/-257.282 χ^2/NDF: 80.5/79

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: 1817.142+/-0.302 χ^2/NDF:307103.2/22

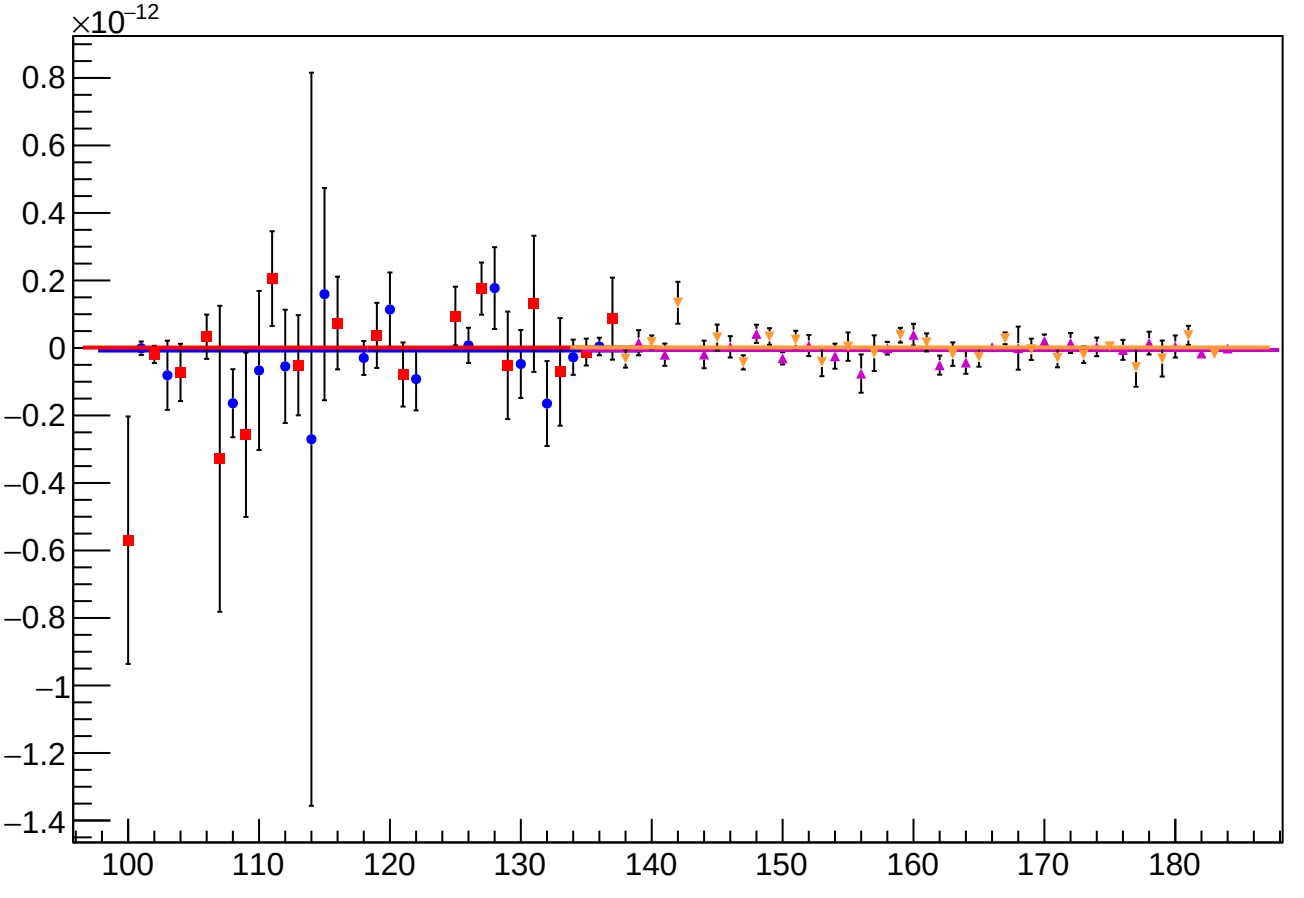
Left: 1821.332+/-0.214 χ^2/NDF: 582131.9/45

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1812.724+/-0.255 χ^2/NDF:708564.0/38

Out: 1838.593+/-0.259 χ^2/NDF:851406.3/40

All: 1825.464+/-0.182 χ^2/NDF: 1565024.1/79



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

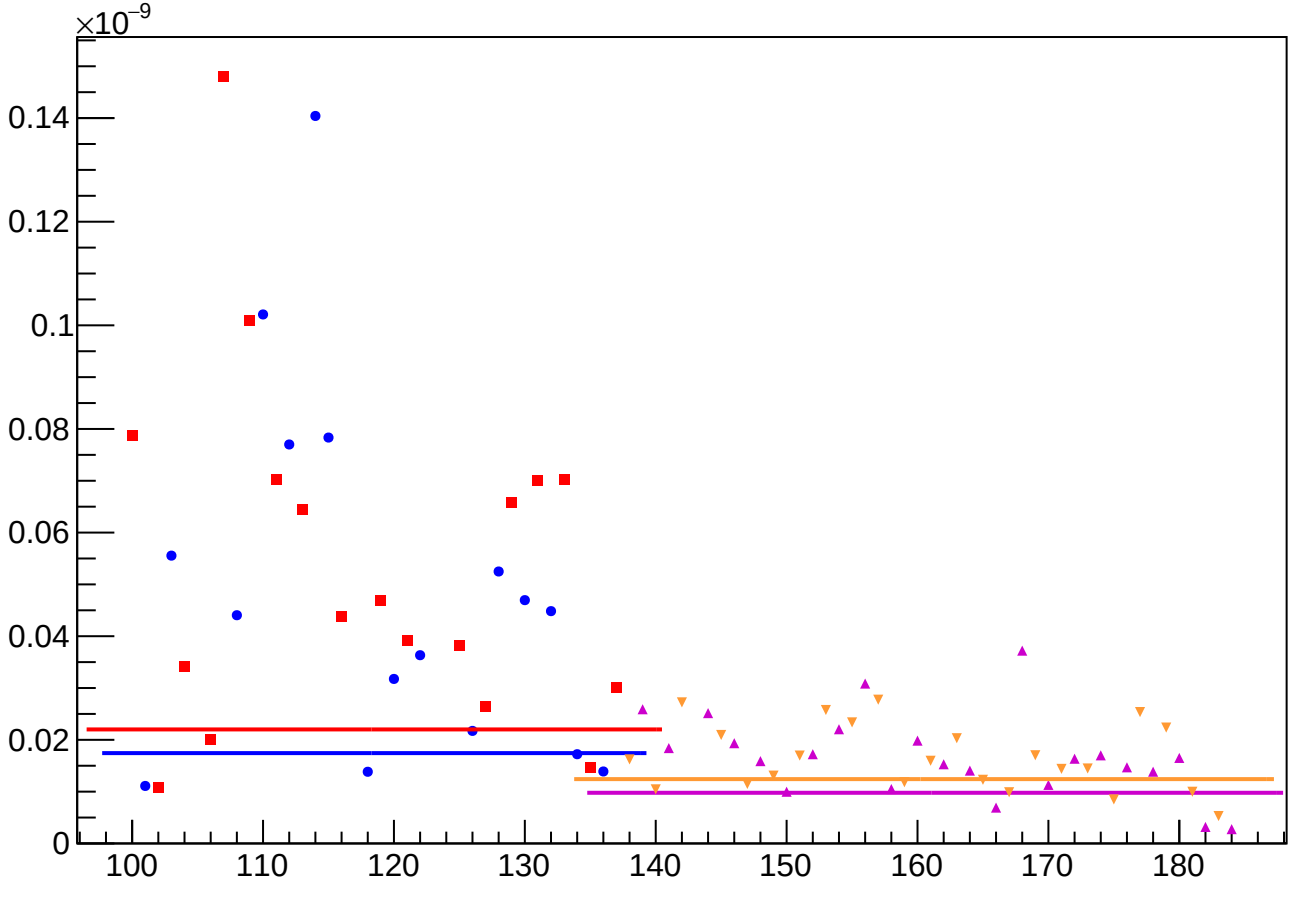
Left: -0.000+/-0.000 χ^2/NDF: 47.9/45

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:28.2/38

Out: 0.000+/-0.000 χ^2/NDF:45.5/40

All: -0.000+/-0.000 χ^2/NDF: 75.0/79



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:4499862.2/22

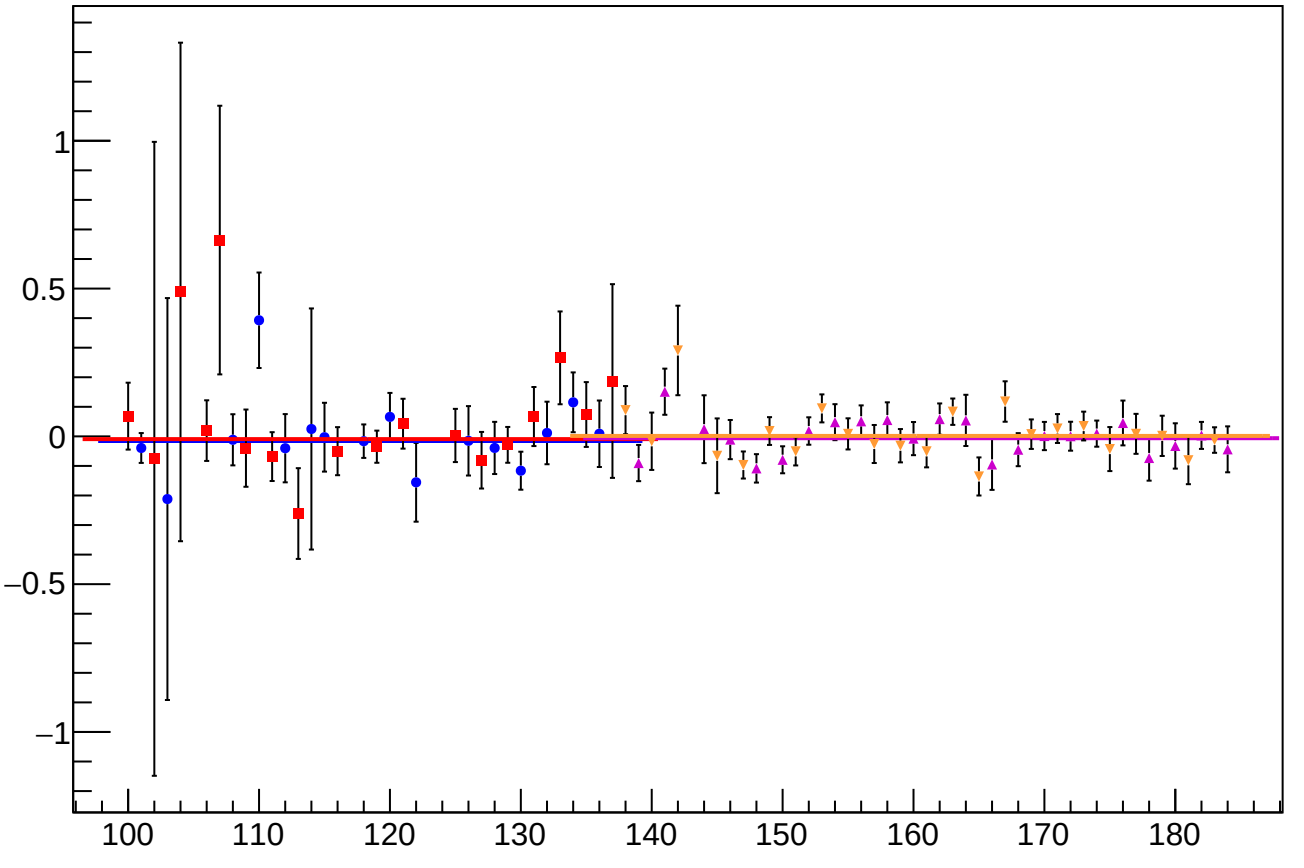
Left: 0.000+/-0.000 χ^2/NDF: 6667744.7/45

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:6944540.8/38

Out: 0.000+/-0.000 χ^2/NDF:4557082.6/40

All: 0.000+/-0.000 χ^2/NDF: 11809823.1/79



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: -0.006+/-0.012 χ^2/NDF:21.6/22

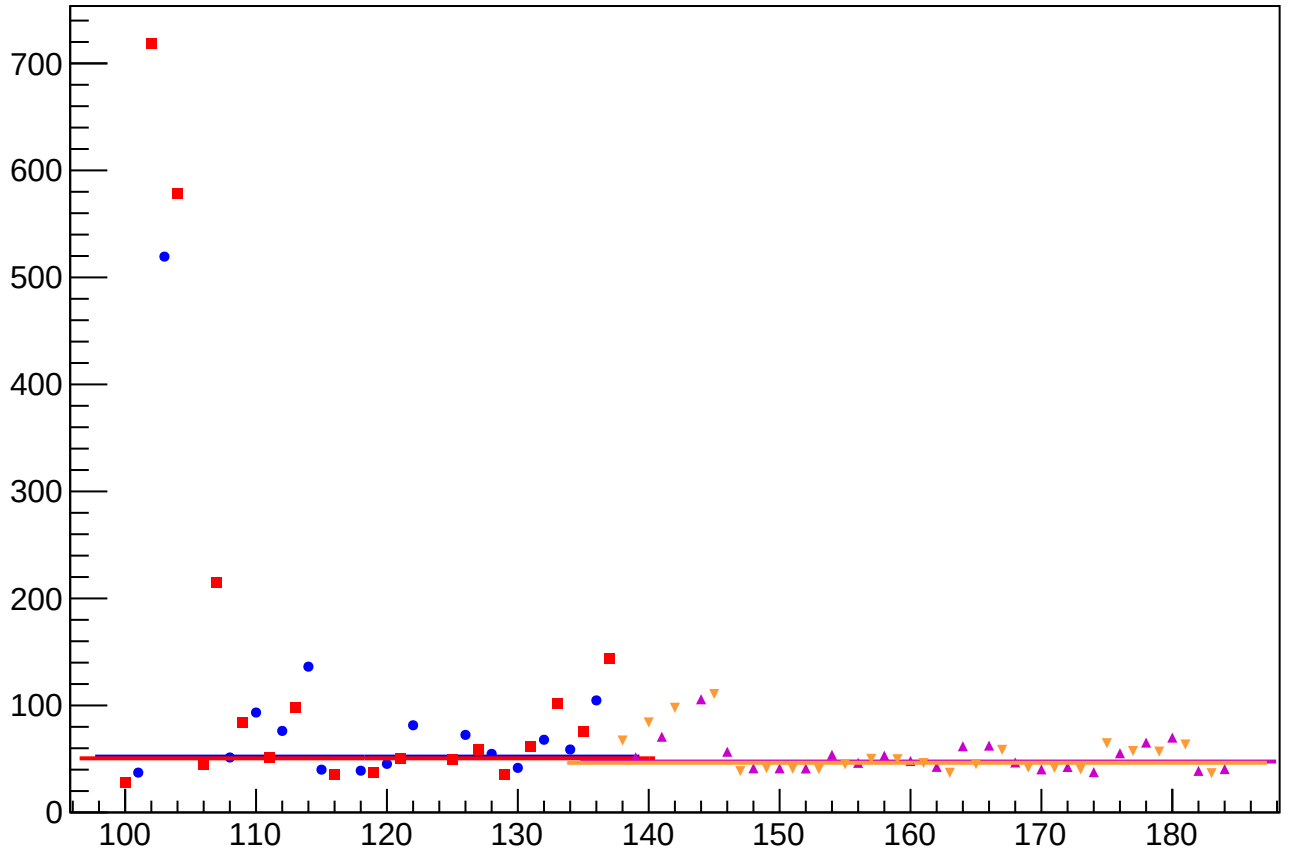
Left: -0.002+/-0.009 χ^2/NDF: 51.3/45

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.9/38

Out: -0.001+/-0.011 χ^2/NDF:42.1/40

All: -0.005+/-0.008 χ^2/NDF: 77.3/79



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: 47.575+/-0.009 χ^2/NDF:1576196.2/22

Left: 46.990+/-0.006 χ^2/NDF: 3550055.7/45

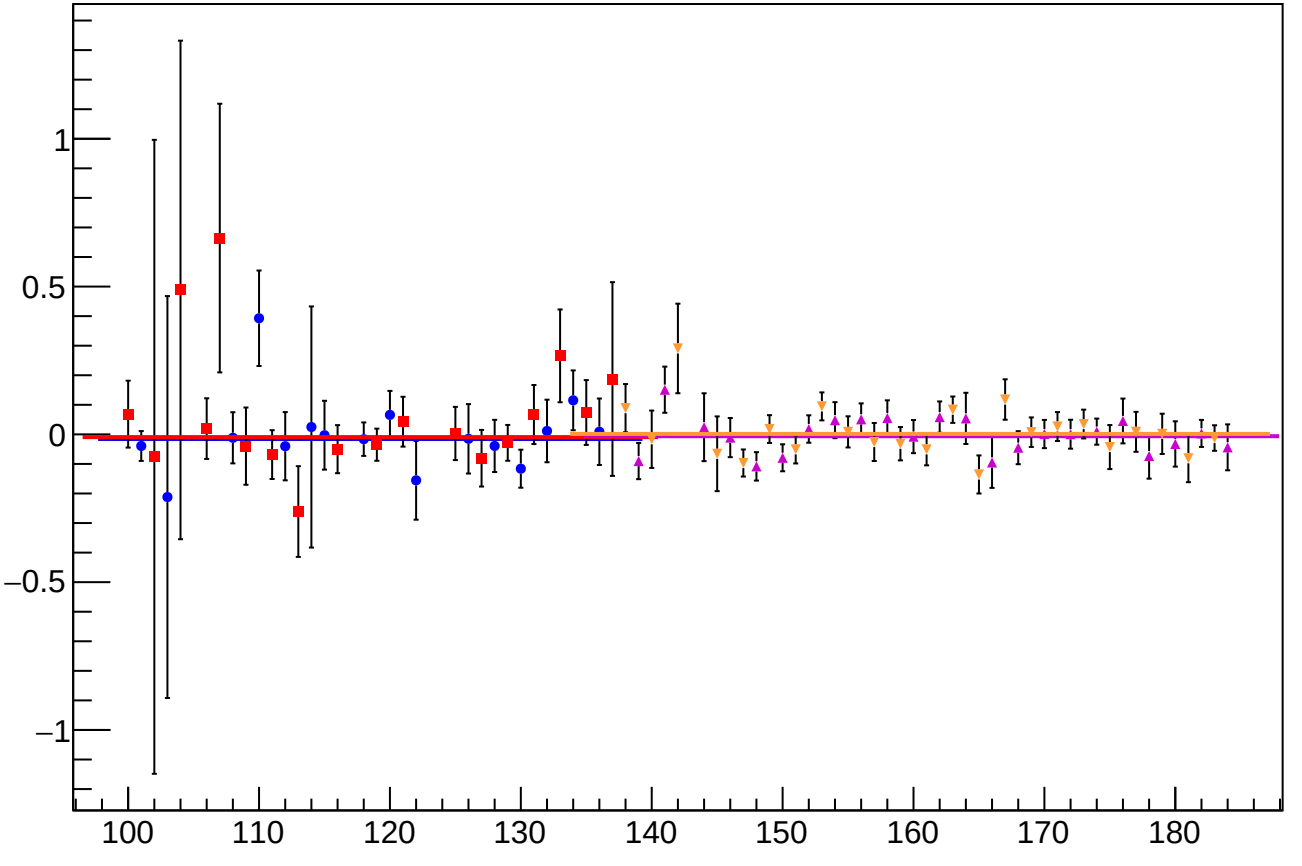
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.605+/-0.008 χ^2/NDF:3907692.5/38

Out: 47.274+/-0.008 χ^2/NDF:5065526.8/40

All: 47.940+/-0.005 χ^2/NDF: 8988691.1/79

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: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.009 χ^2/NDF: 51.3/45

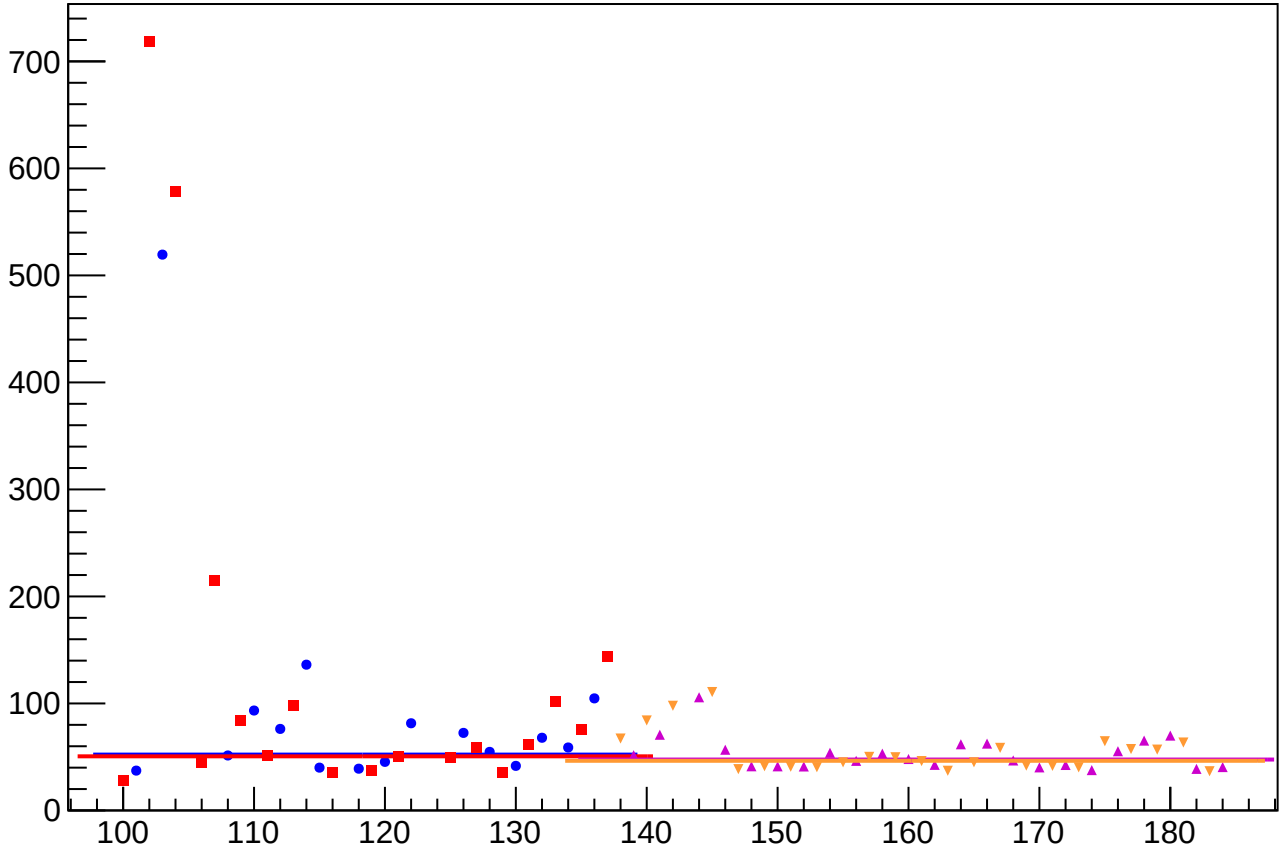
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.9/38

Out: -0.001+/-0.011 χ^2/NDF:42.1/40

All: -0.005+/-0.008 χ^2/NDF: 77.3/79

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.417+/-0.008 χ^2/NDF:1964662.8/22

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

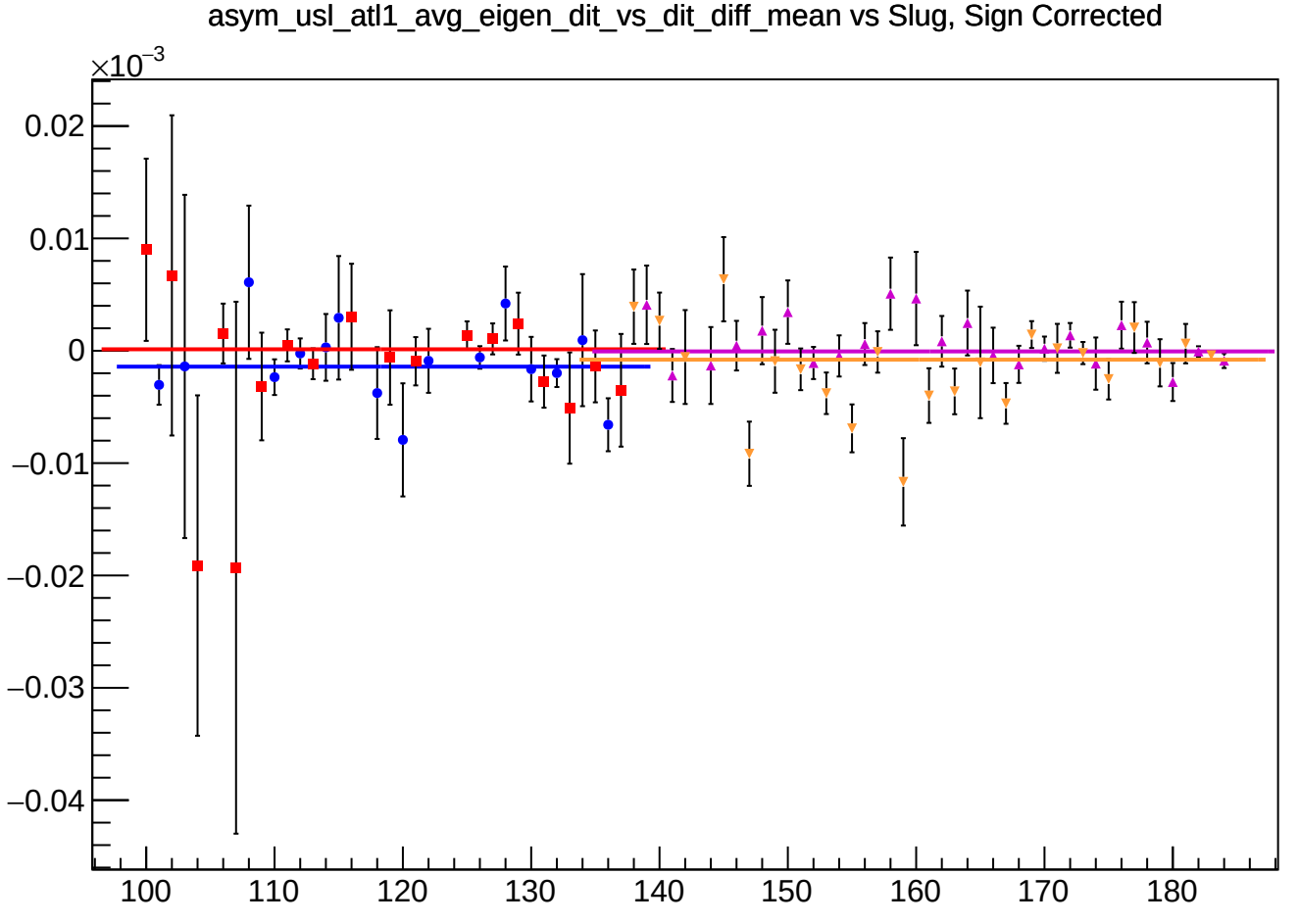
Left: 46.990+/-0.006 χ^2/NDF: 3550055.7/45

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.605+/-0.008 χ^2/NDF:3907692.5/38

Out: 47.274+/-0.008 χ^2/NDF:5065526.8/40

All: 47.940+/-0.005 χ^2/NDF: 8988691.1/79



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:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/45

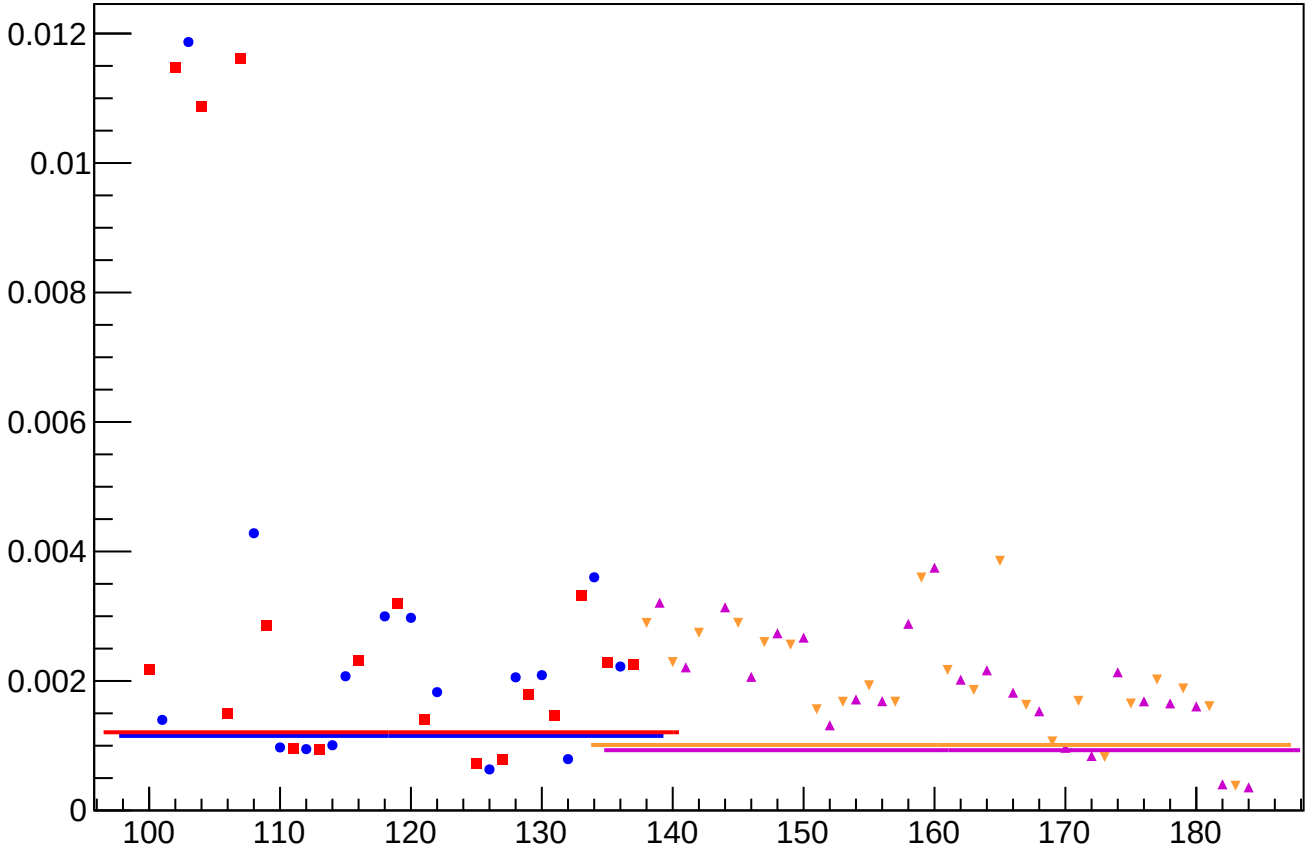
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:38.2/38

Out: -0.000+/-0.000 χ^2/NDF:65.3/40

All: -0.000+/-0.000 χ^2/NDF: 103.8/79

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.001+/-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:13690985.6/22

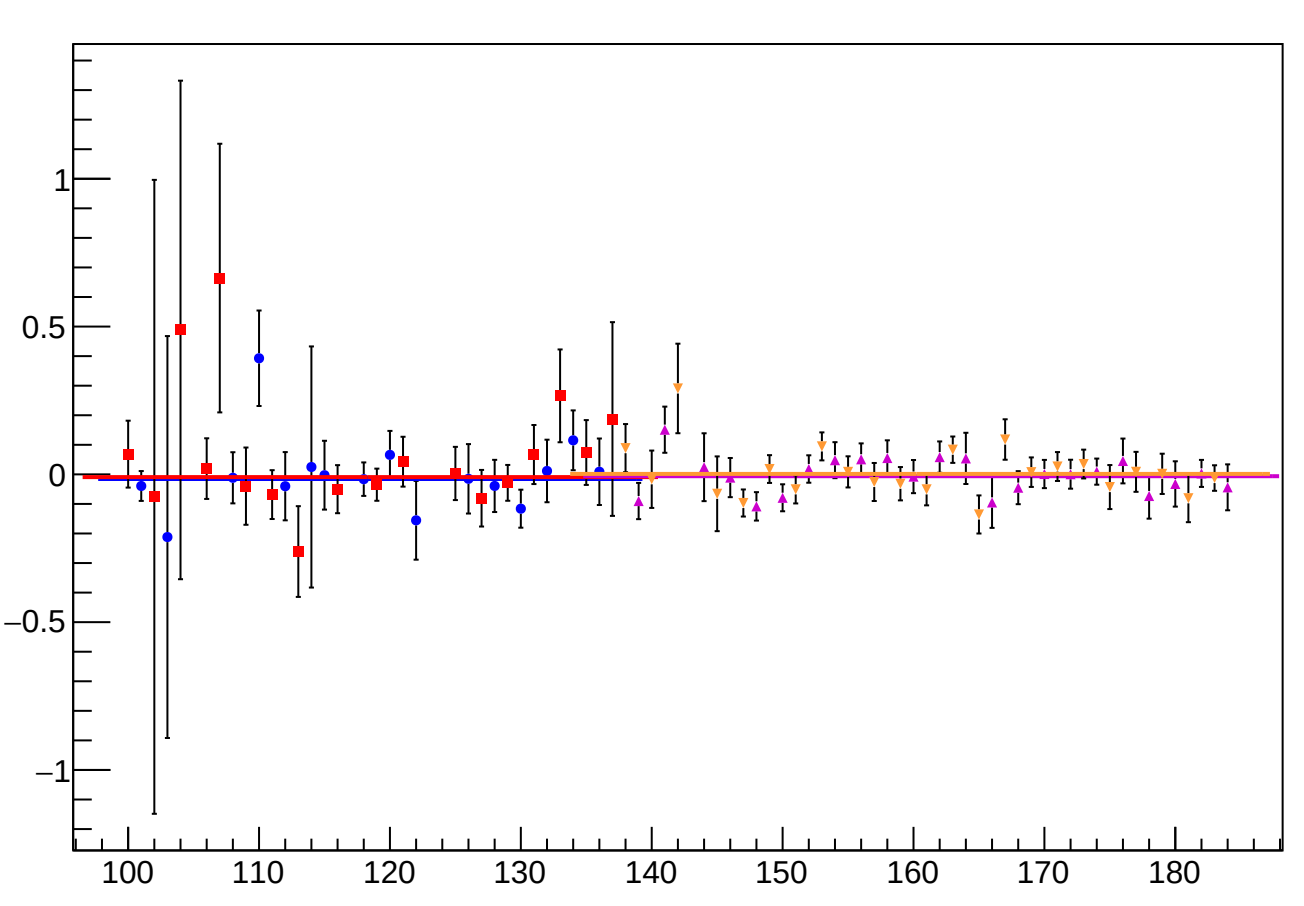
Left: 0.001+/-0.000 χ^2/NDF: 26453287.2/45

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:18160155.3/38

Out: 0.001+/-0.000 χ^2/NDF:17397626.8/40

All: 0.001+/-0.000 χ^2/NDF: 35643153.8/79



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: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.009 χ^2/NDF: 51.3/45

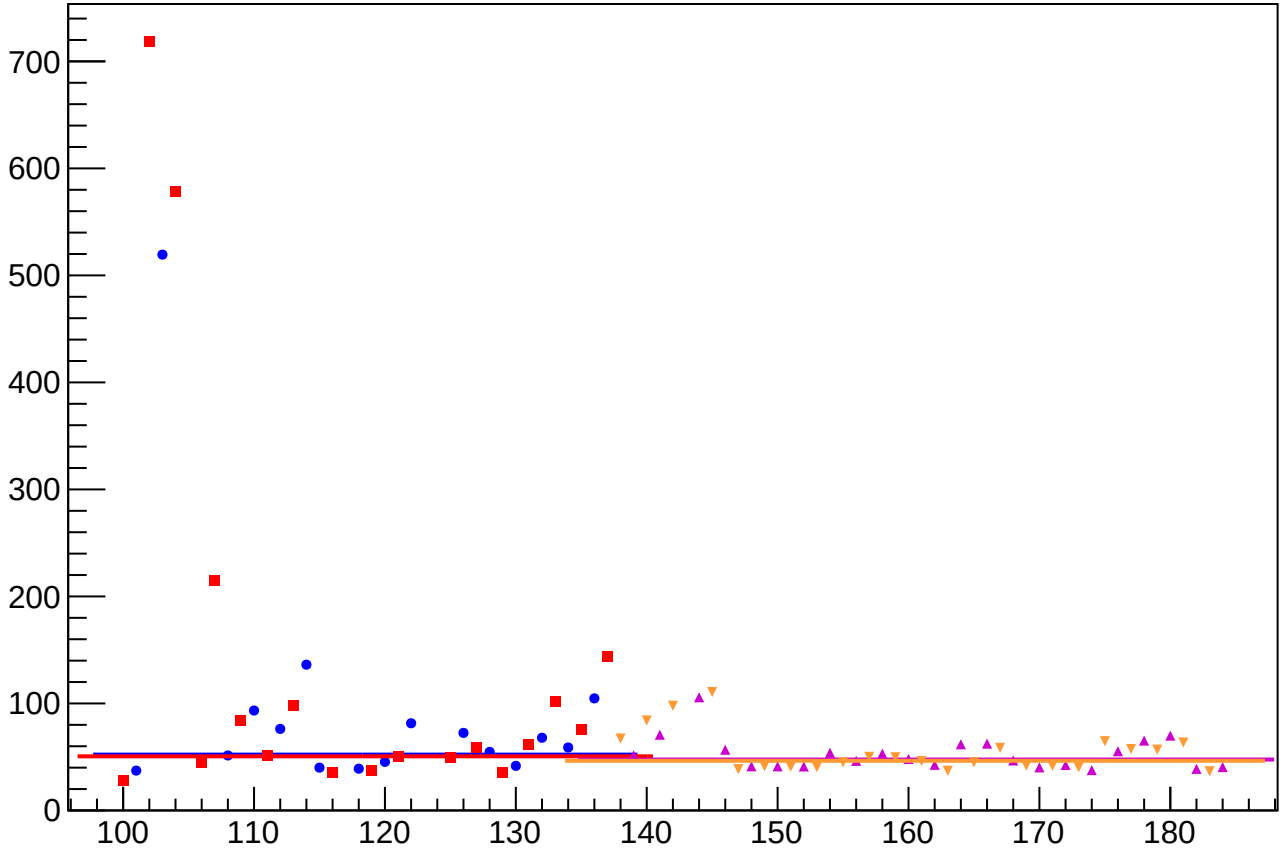
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.9/38

Out: -0.001+/-0.011 χ^2/NDF:42.1/40

All: -0.005+/-0.008 χ^2/NDF: 77.3/79

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: 47.575+/-0.009 χ^2/NDF:1576204.5/22

Left: 46.990+/-0.006 χ^2/NDF: 3550050.2/45

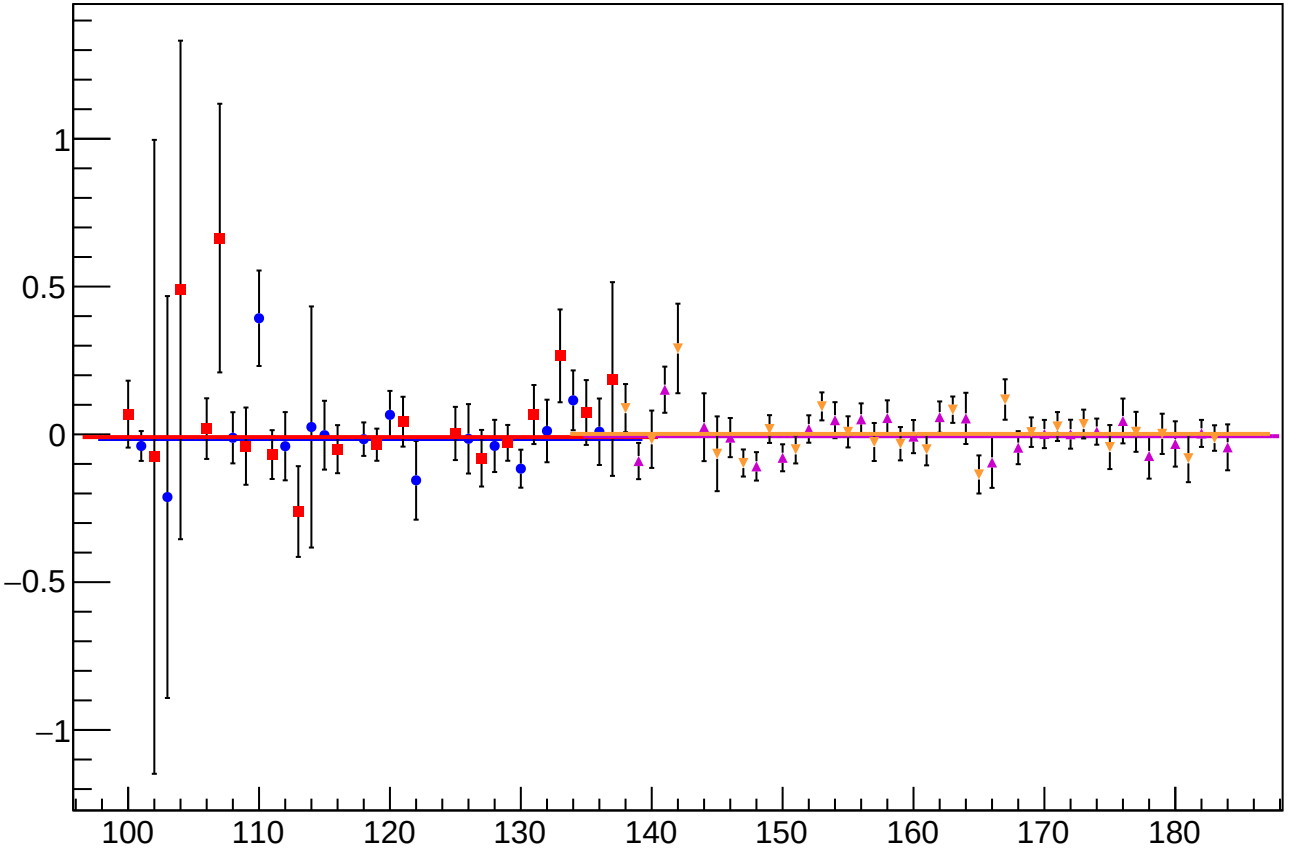
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.605+/-0.008 χ^2/NDF:3907688.7/38

Out: 47.274+/-0.008 χ^2/NDF:5065489.2/40

All: 47.940+/-0.005 χ^2/NDF: 8988648.4/79

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/22

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.009 χ^2/NDF: 51.3/45

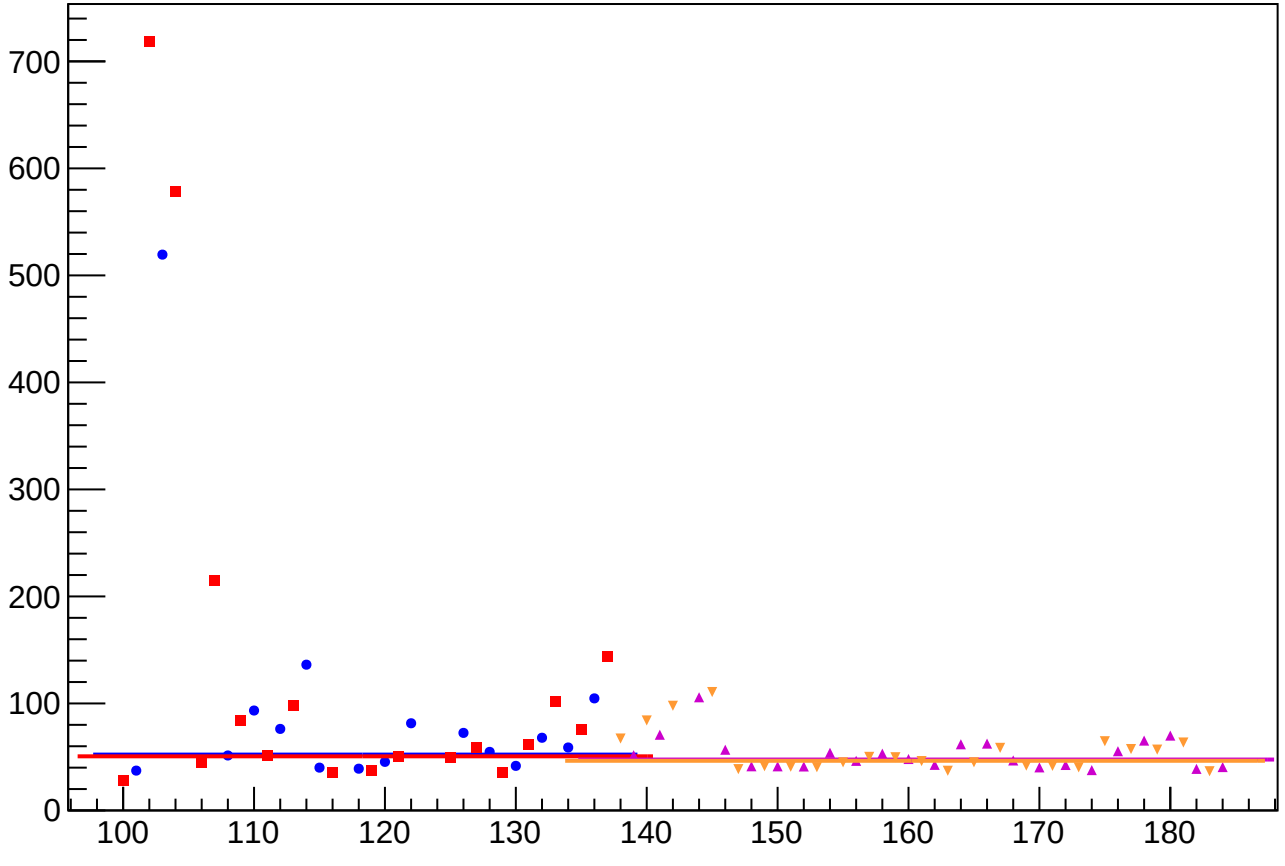
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.9/38

Out: -0.001+/-0.011 χ^2/NDF:42.1/40

All: -0.005+/-0.008 χ^2/NDF: 77.3/79

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: 47.575+/-0.009 χ^2/NDF:1576204.5/22

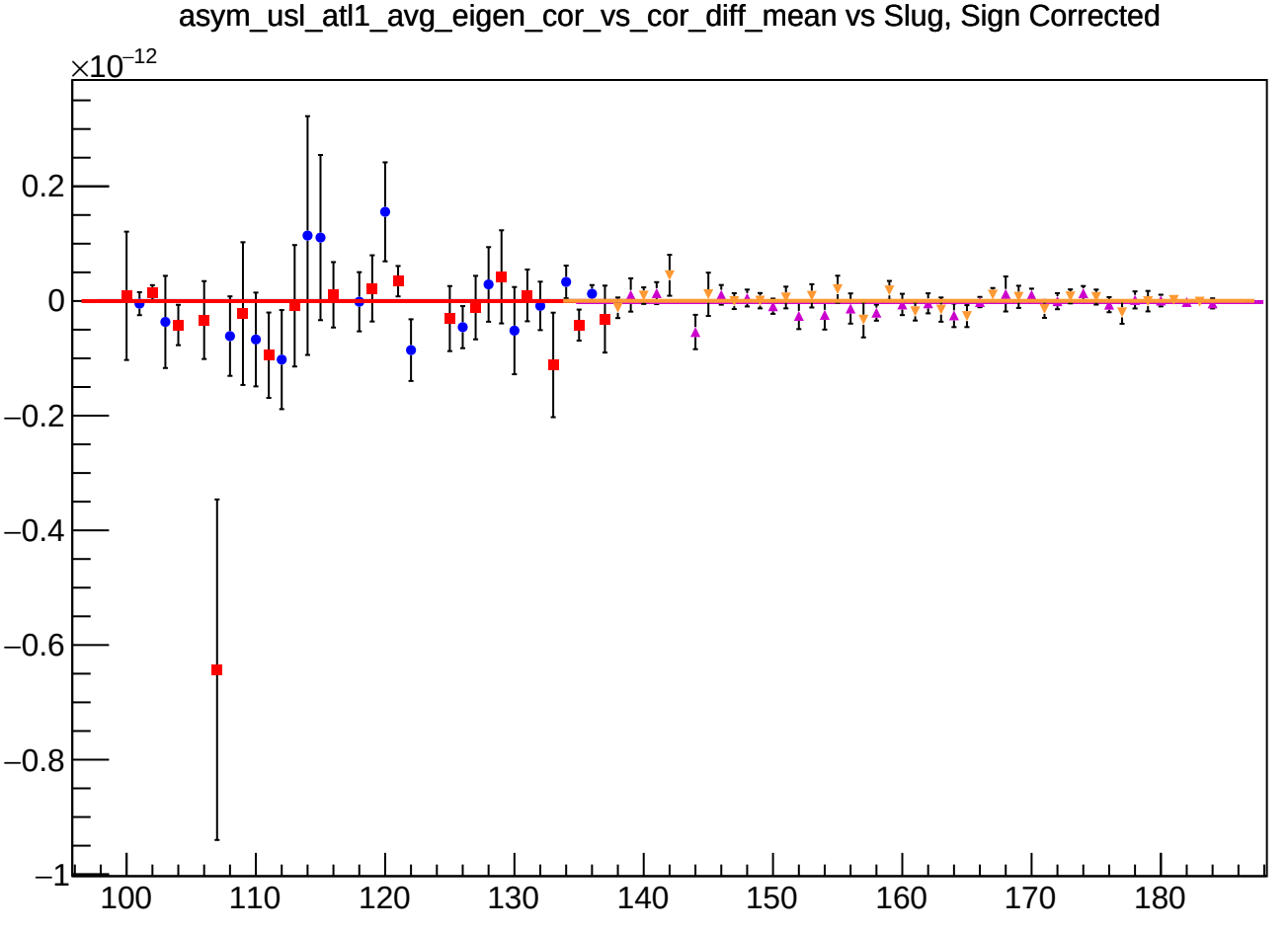
Left: 46.990+/-0.006 χ^2/NDF: 3550050.2/45

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.605+/-0.008 χ^2/NDF:3907688.7/38

Out: 47.274+/-0.008 χ^2/NDF:5065489.2/40

All: 47.940+/-0.005 χ^2/NDF: 8988648.4/79



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:13.4/22

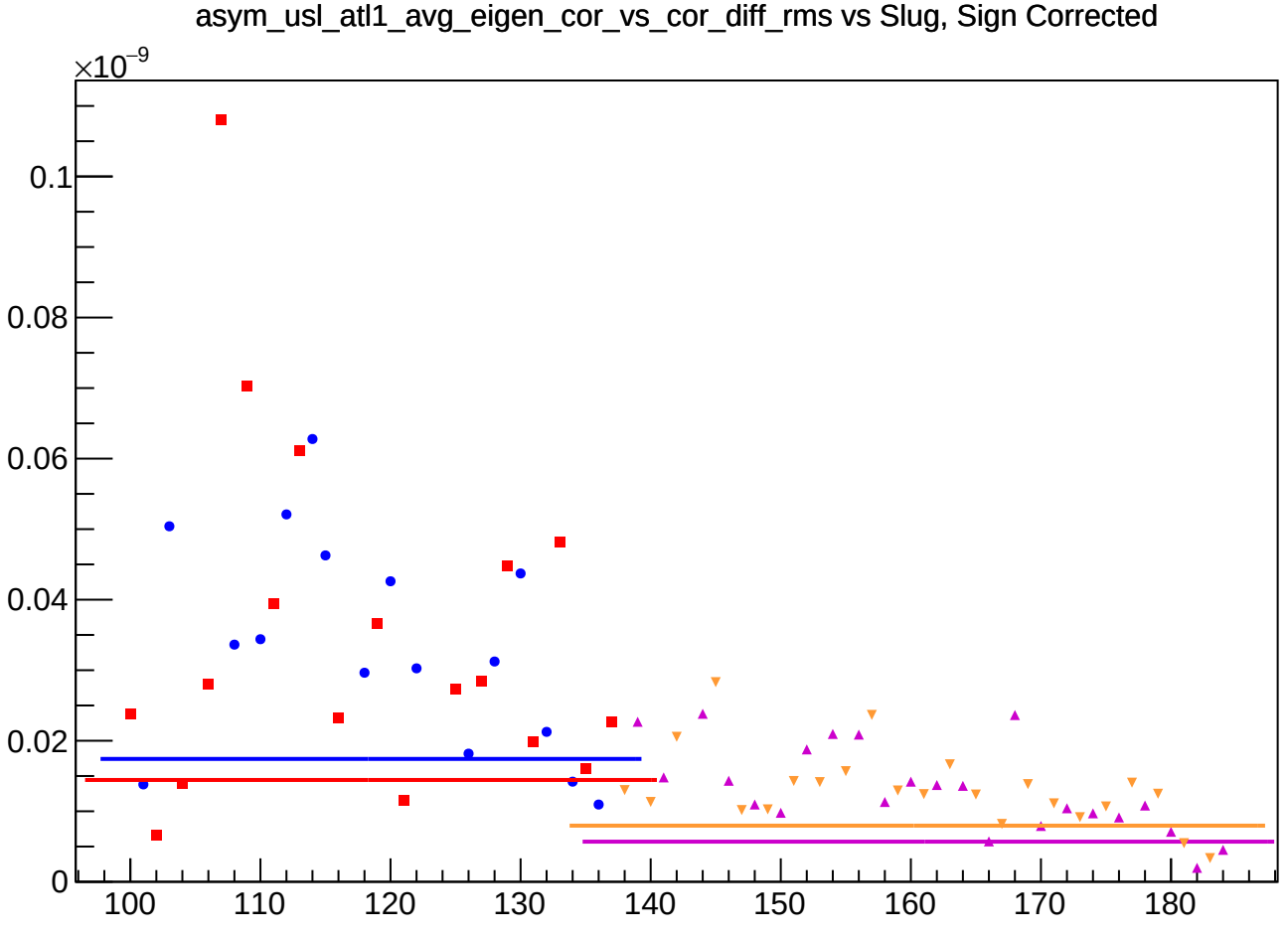
Left: -0.000+/-0.000 χ^2/NDF: 27.1/45

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:27.5/38

Out: 0.000+/-0.000 χ^2/NDF:29.3/40

All: -0.000+/-0.000 χ^2/NDF: 57.2/79



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:11199324.6/22

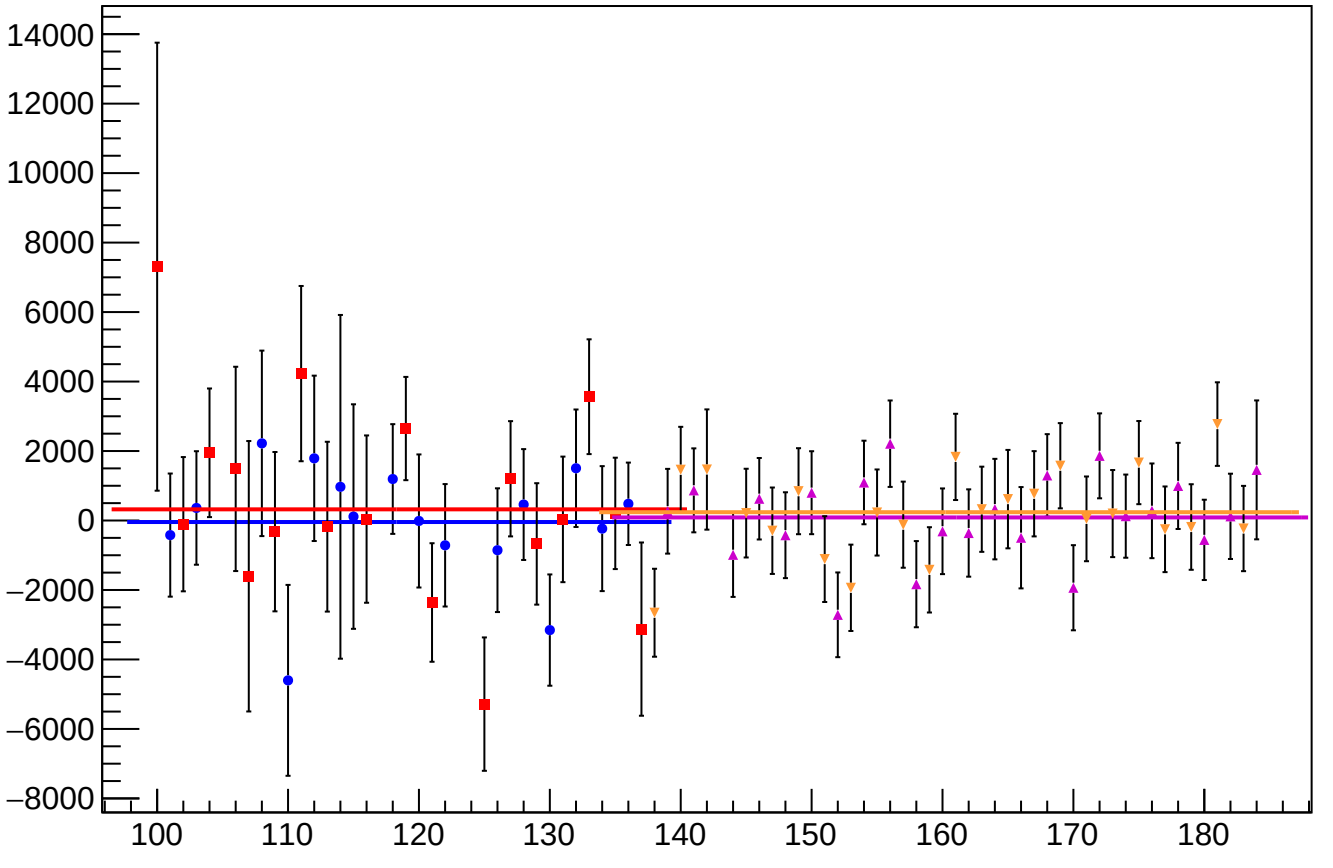
Left: 0.000+/-0.000 χ^2/NDF: 18430299.9/45

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:16391514.6/38

Out: 0.000+/-0.000 χ^2/NDF:10550255.5/40

All: 0.000+/-0.000 χ^2/NDF: 27861048.4/79



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: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.697+/-184.974 χ^2/NDF: 43.8/45

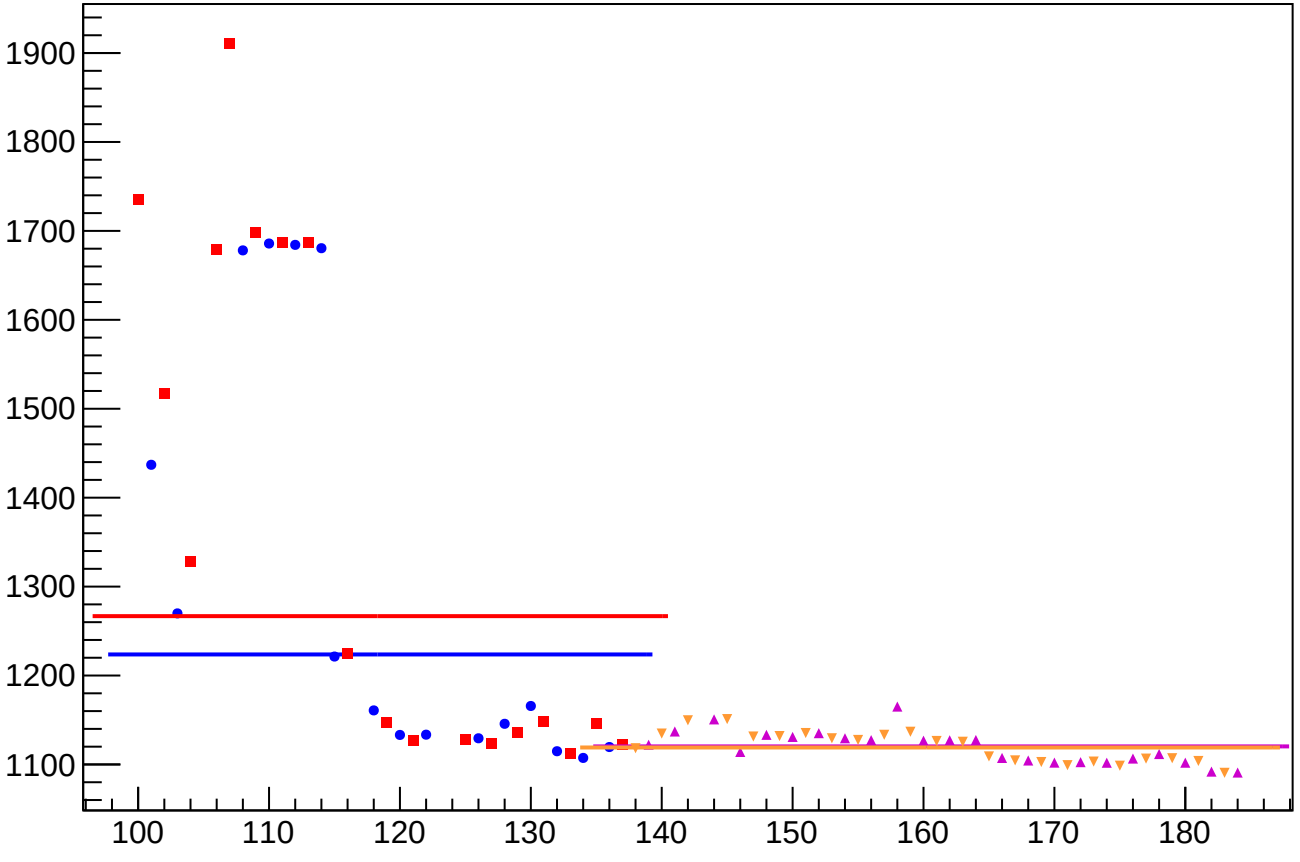
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 56.024+/-227.307 χ^2/NDF:31.0/38

Out: 258.149+/-229.129 χ^2/NDF:47.5/40

All: 156.280+/-161.371 χ^2/NDF: 79.0/79

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: 1120.308+/-0.185 χ^2/NDF:9479.7/22

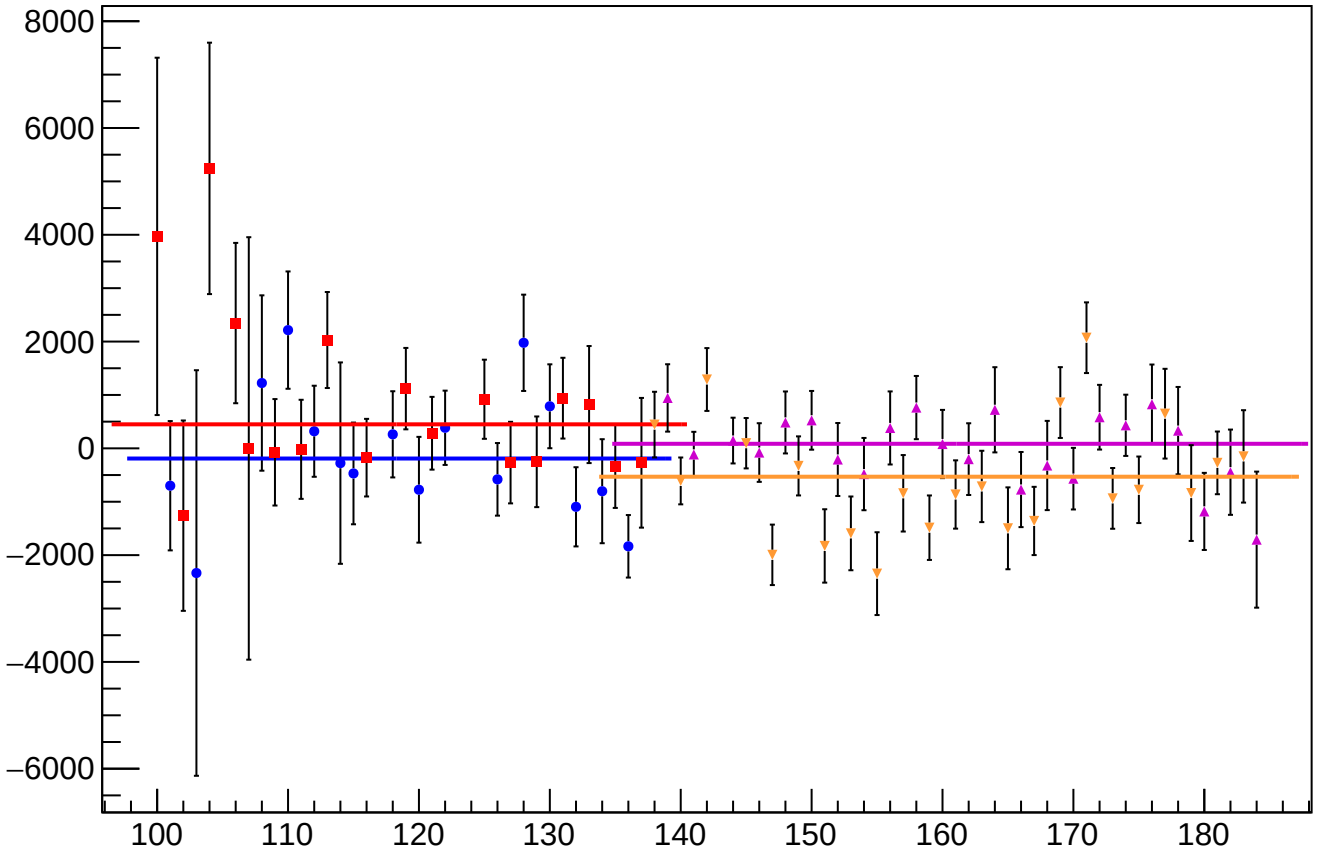
Left: 1119.696+/-0.131 χ^2/NDF: 17461.5/45

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1145.641+/-0.161 χ^2/NDF:380995.1/38

Out: 1153.459+/-0.162 χ^2/NDF:589205.2/40

All: 1149.519+/-0.114 χ^2/NDF: 971373.6/79



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: 85.254+/-130.966 χ^2/NDF:17.1/22

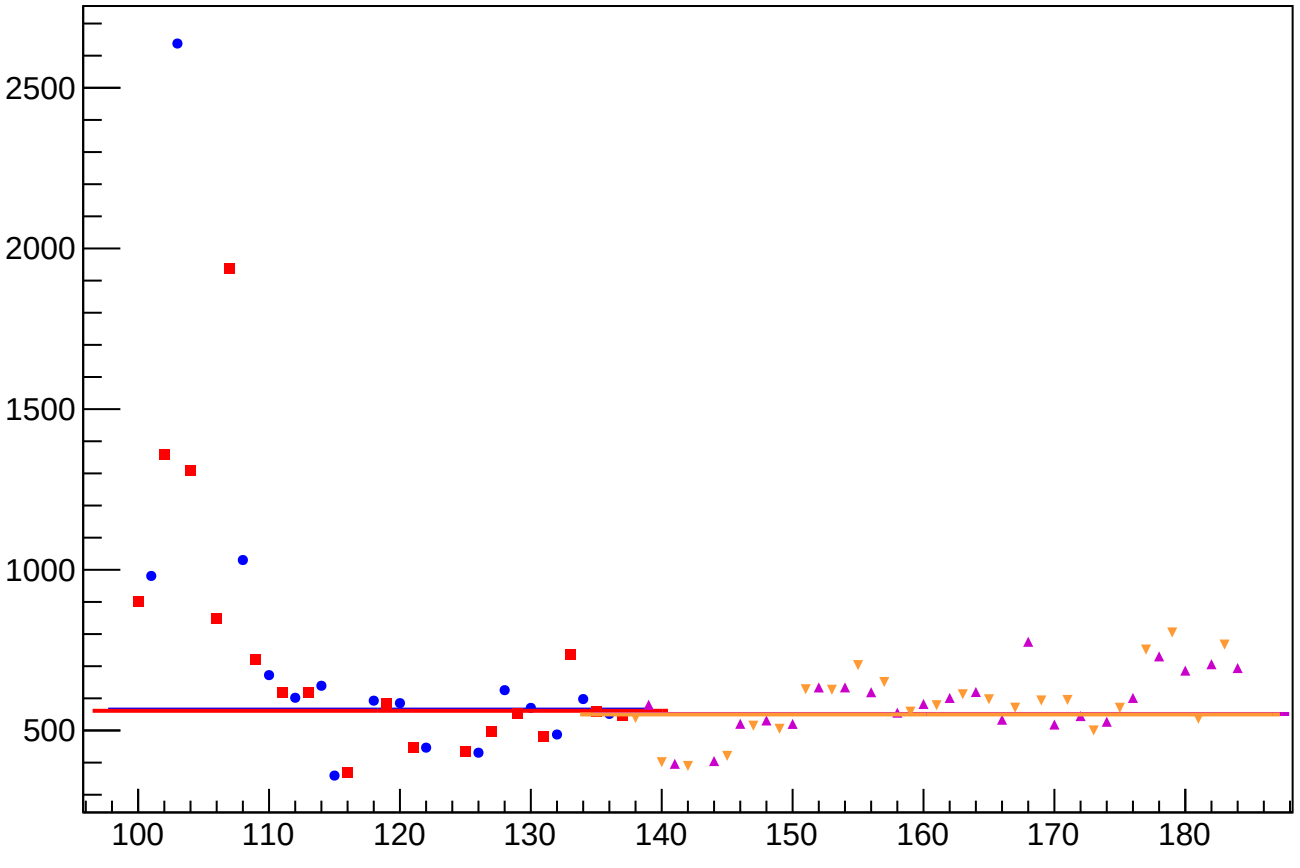
Left: -222.576+/-92.675 χ^2/NDF: 89.6/45

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 14.439+/-112.913 χ^2/NDF:43.5/38

Out: -279.478+/-113.081 χ^2/NDF:92.6/40

All: -132.302+/-79.901 χ^2/NDF: 139.5/79



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: 551.336+/-0.093 χ^2/NDF:1061764.2/22

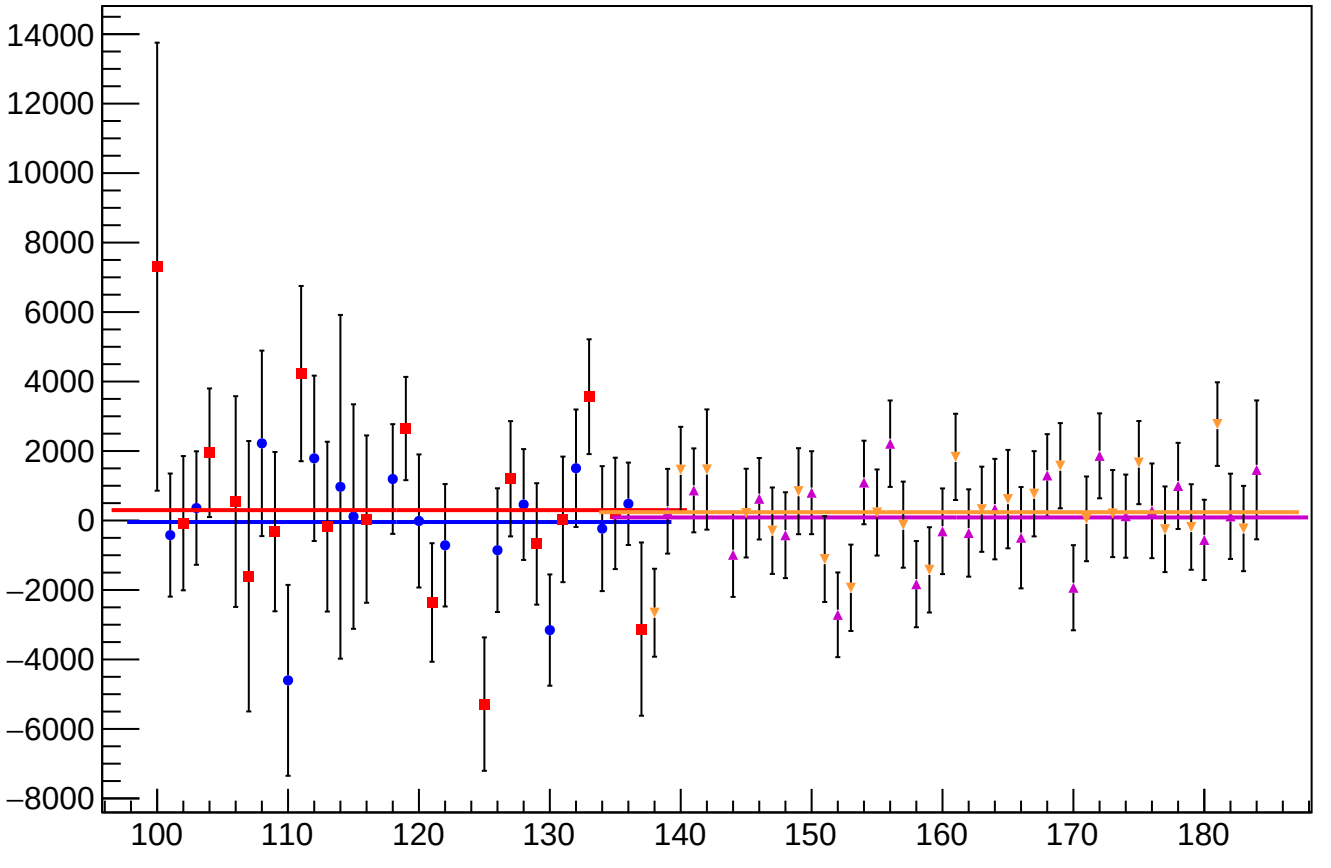
Left: 550.600+/-0.066 χ^2/NDF: 2251433.3/45

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 554.833+/-0.080 χ^2/NDF:2351797.3/38

Out: 552.784+/-0.080 χ^2/NDF:2545647.2/40

All: 553.810+/-0.056 χ^2/NDF: 4897773.3/79



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: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.717+/-184.974 χ^2/NDF: 43.8/45

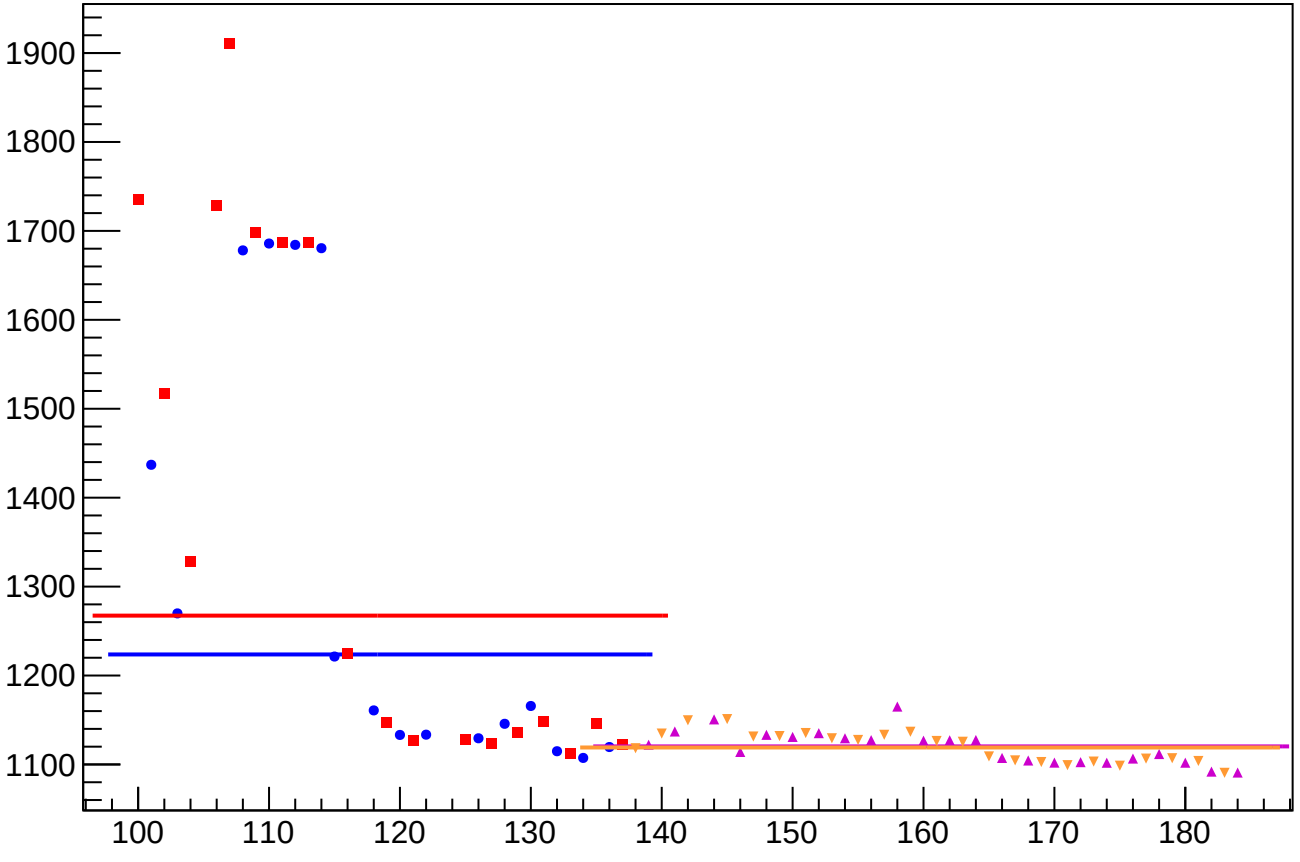
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 55.957+/-227.307 χ^2/NDF:31.0/38

Out: 252.804+/-229.171 χ^2/NDF:47.4/40

All: 153.577+/-161.385 χ^2/NDF: 78.8/79

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: 1120.308+/-0.185 χ^2/NDF:9479.7/22

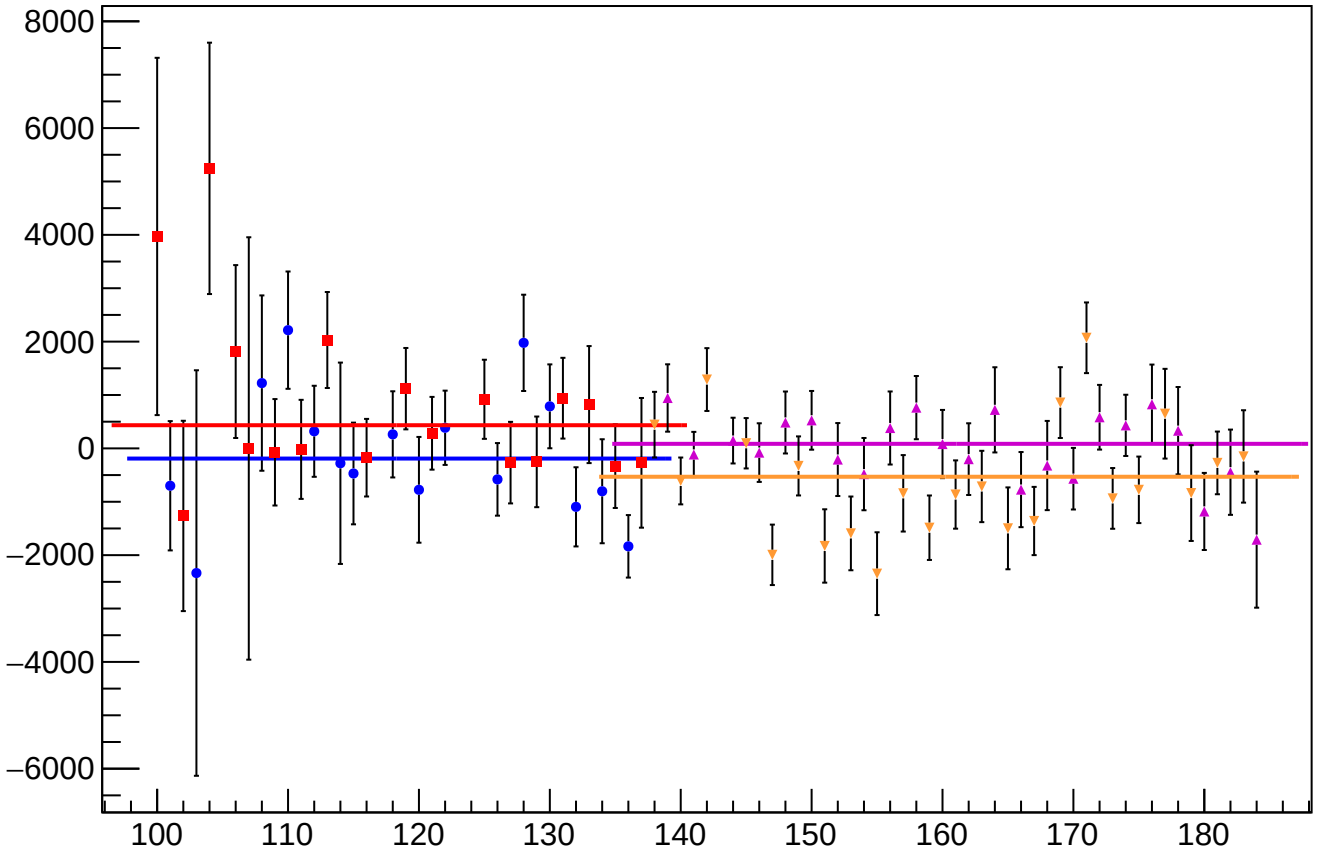
Left: 1119.696+/-0.131 χ^2/NDF: 17461.5/45

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1145.641+/-0.161 χ^2/NDF:380995.1/38

Out: 1153.553+/-0.162 χ^2/NDF:597335.6/40

All: 1149.565+/-0.114 χ^2/NDF: 979532.2/79



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: 85.243+/-130.966 χ^2/NDF:17.1/22

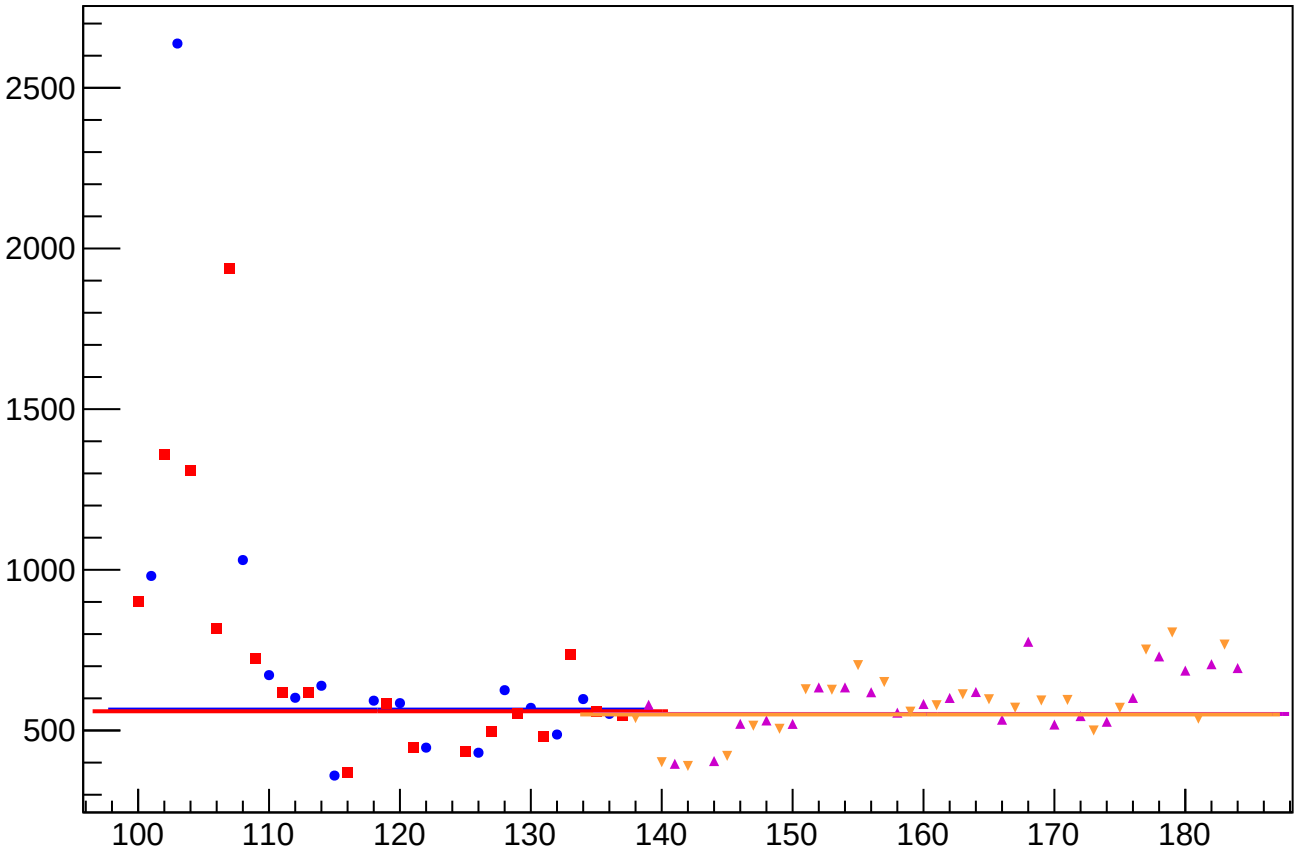
Left: -222.590+/-92.675 χ^2/NDF: 89.6/45

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 14.427+/-112.913 χ^2/NDF:43.5/38

Out: -284.158+/-113.125 χ^2/NDF:91.2/40

All: -134.585+/-79.916 χ^2/NDF: 138.2/79



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: 551.335+/-0.093 χ^2/NDF:1061731.9/22

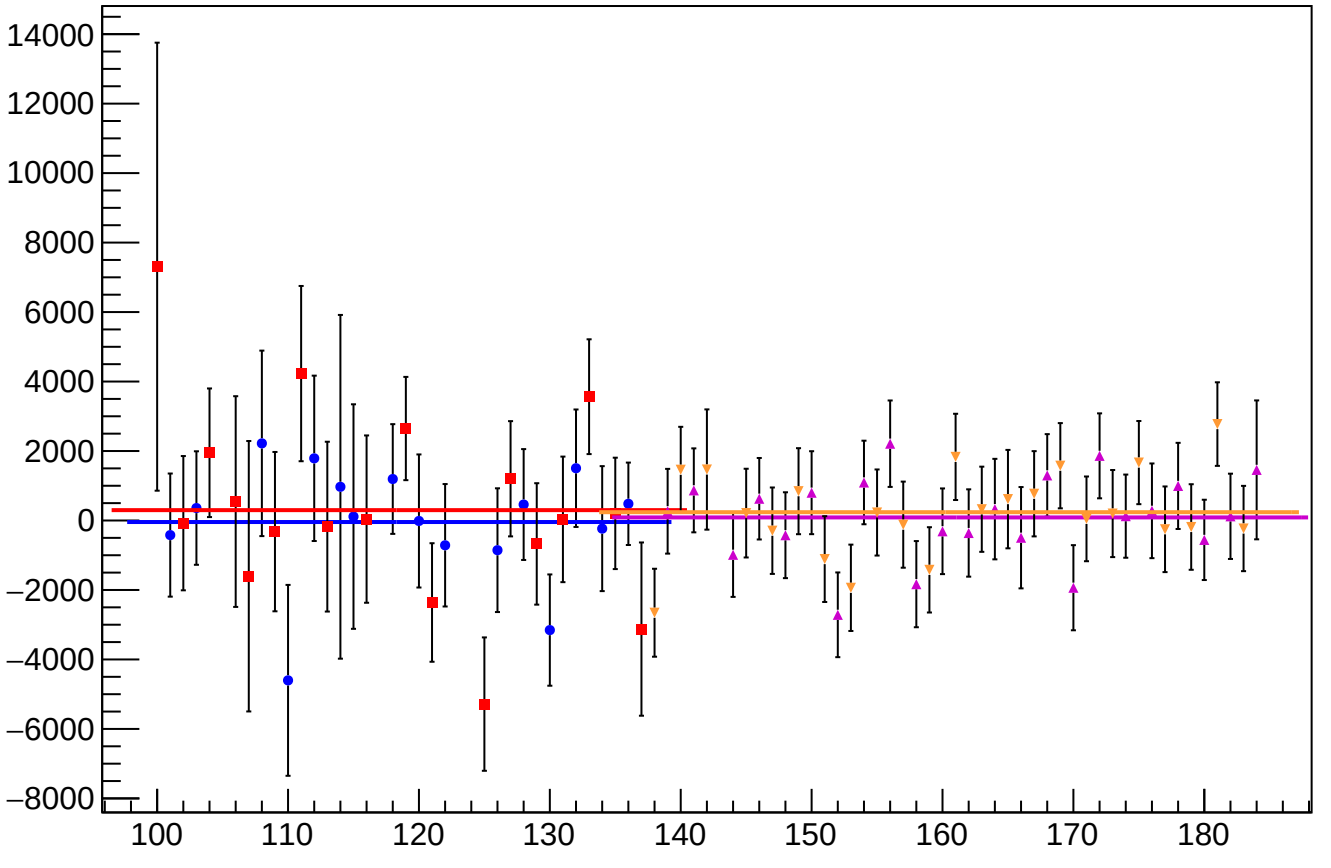
Left: 550.600+/-0.066 χ^2/NDF: 2251409.5/45

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 554.831+/-0.080 χ^2/NDF:2351738.8/38

Out: 552.396+/-0.080 χ^2/NDF:2521824.0/40

All: 553.616+/-0.057 χ^2/NDF: 4874027.0/79



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: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.717+/-184.974 χ^2/NDF: 43.8/45

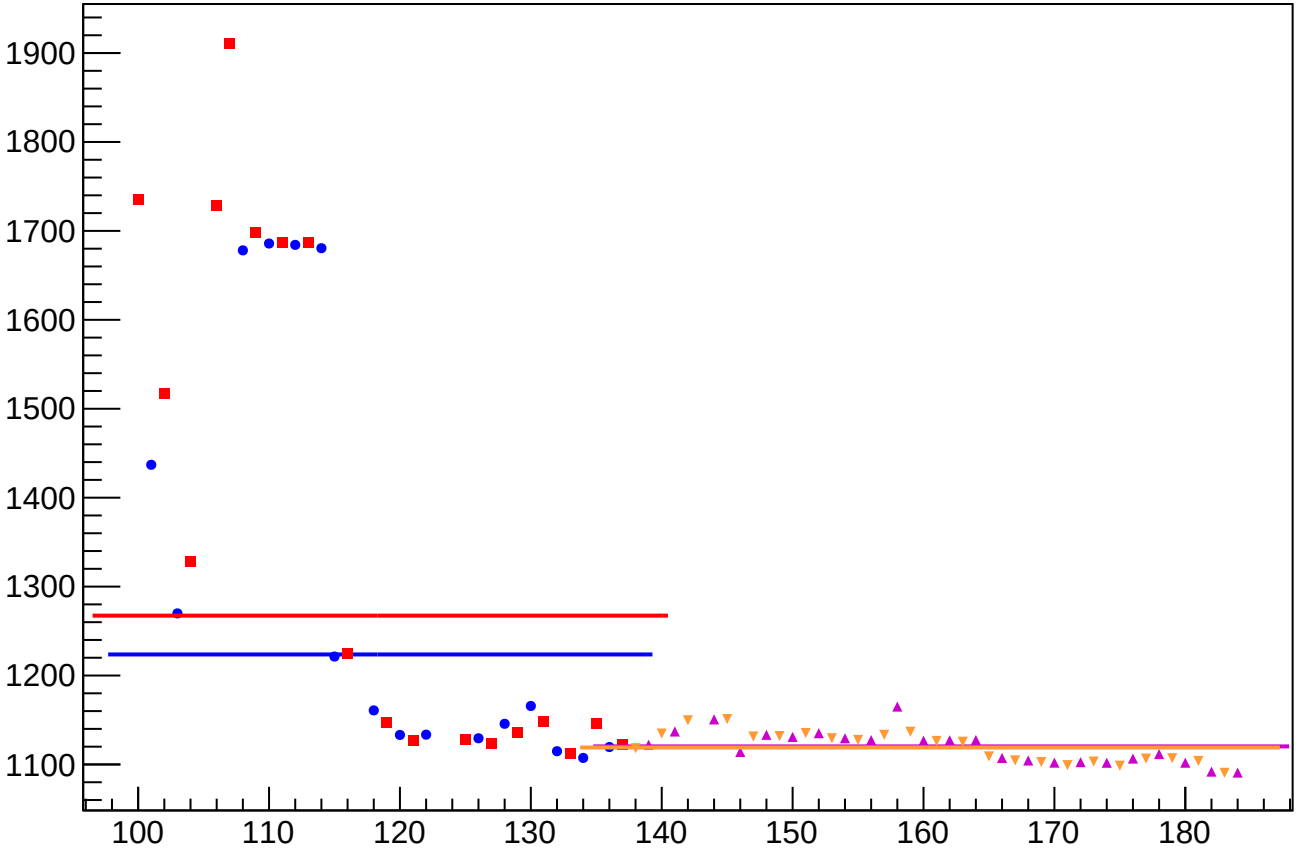
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 55.957+/-227.307 χ^2/NDF:31.0/38

Out: 252.804+/-229.171 χ^2/NDF:47.4/40

All: 153.577+/-161.385 χ^2/NDF: 78.8/79

eigen_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: 1120.308+/-0.185 χ^2/NDF:9479.7/22

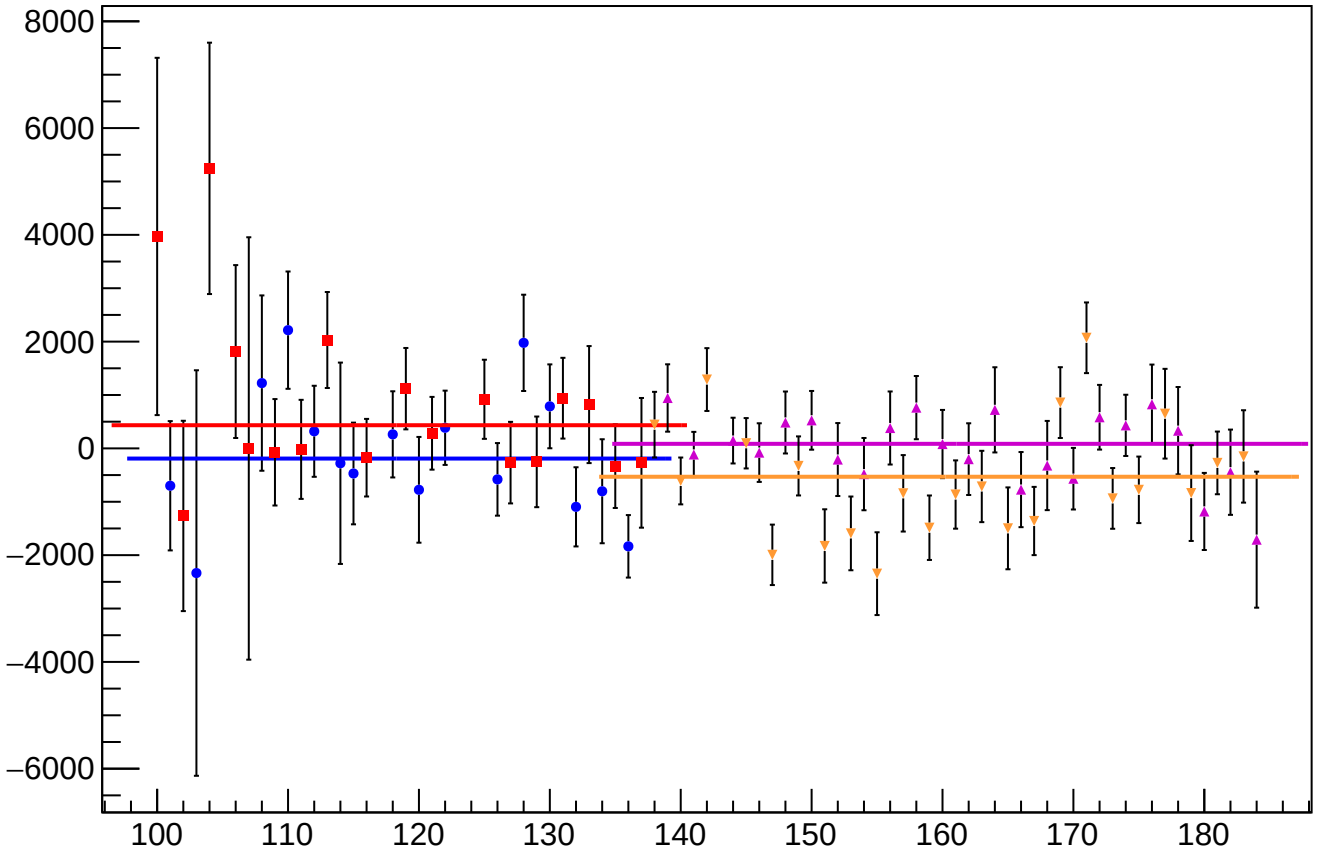
Left: 1119.696+/-0.131 χ^2/NDF: 17461.5/45

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1145.641+/-0.161 χ^2/NDF:380995.1/38

Out: 1153.553+/-0.162 χ^2/NDF:597335.6/40

All: 1149.565+/-0.114 χ^2/NDF: 979532.2/79



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: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -222.590+/-92.675 χ^2/NDF: 89.6/45

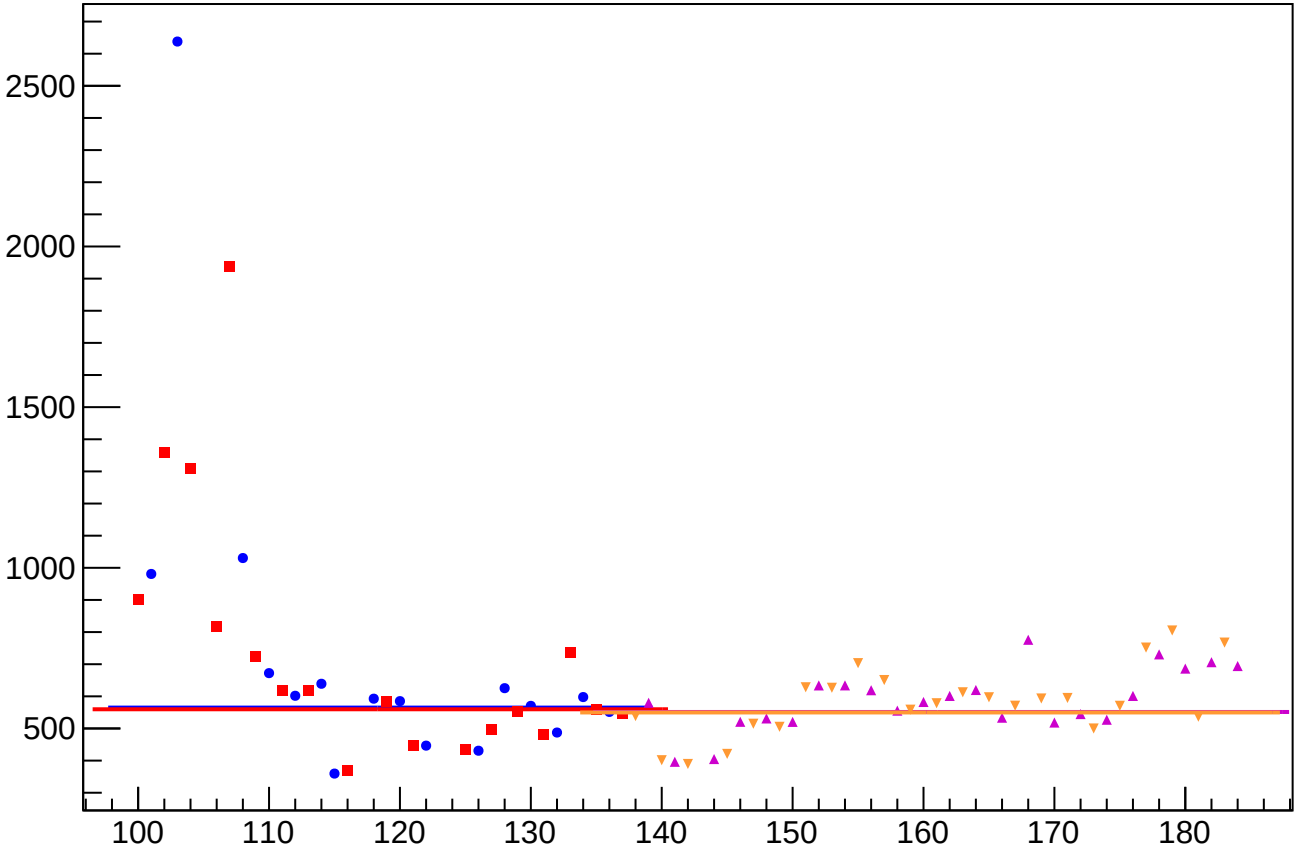
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 14.427+/-112.913 χ^2/NDF:43.5/38

Out: -284.158+/-113.125 χ^2/NDF:91.2/40

All: -134.585+/-79.916 χ^2/NDF: 138.2/79

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: 551.335+/-0.093 χ^2/NDF:1061731.9/22

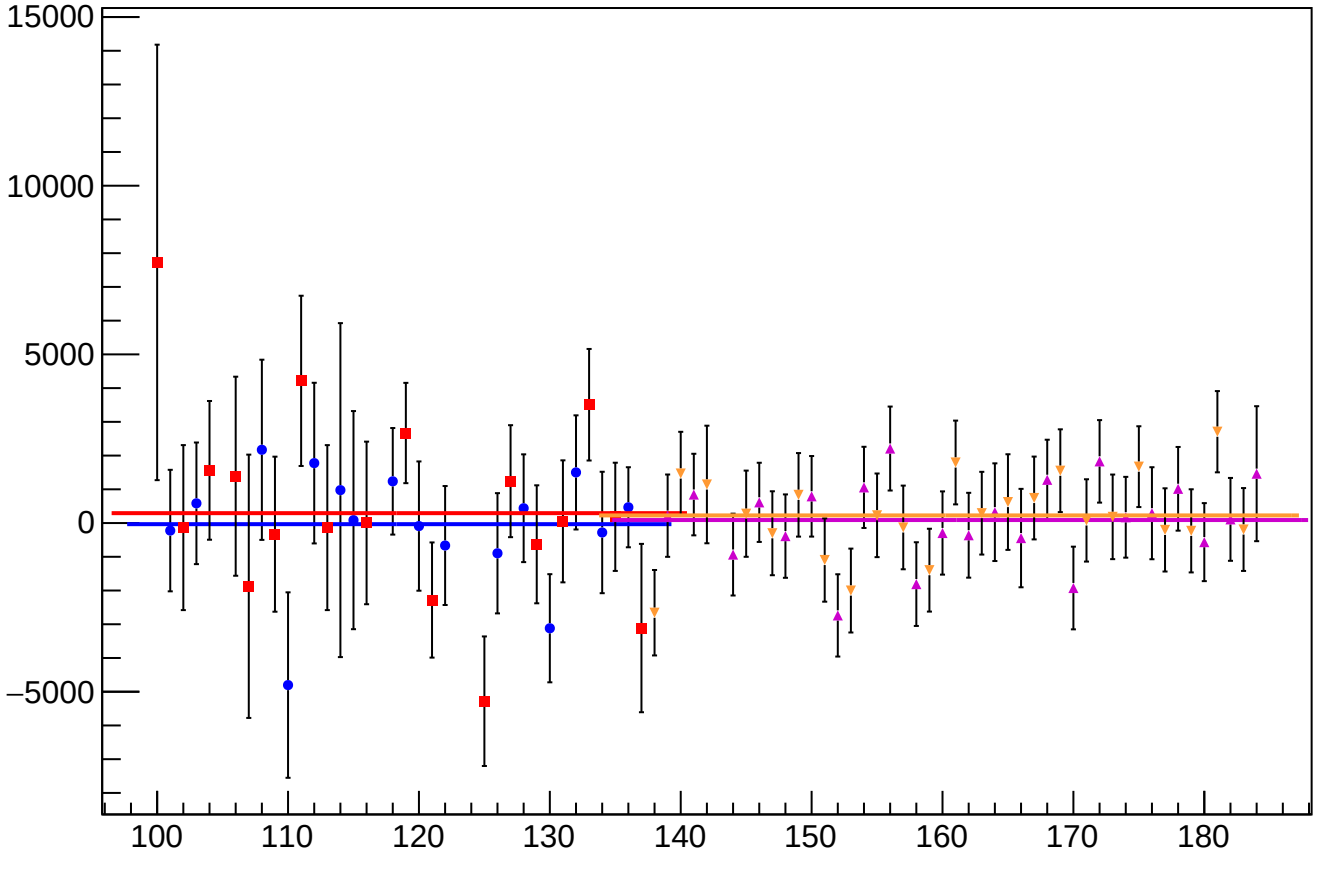
Left: 550.600+/-0.066 χ^2/NDF: 2251409.5/45

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 554.831+/-0.080 χ^2/NDF:2351738.8/38

Out: 552.396+/-0.080 χ^2/NDF:2521824.0/40

All: 553.616+/-0.057 χ^2/NDF: 4874027.0/79



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: 89.078+/-261.717 χ^2/NDF:20.6/22

Left: 157.766+/-185.071 χ^2/NDF: 42.9/45

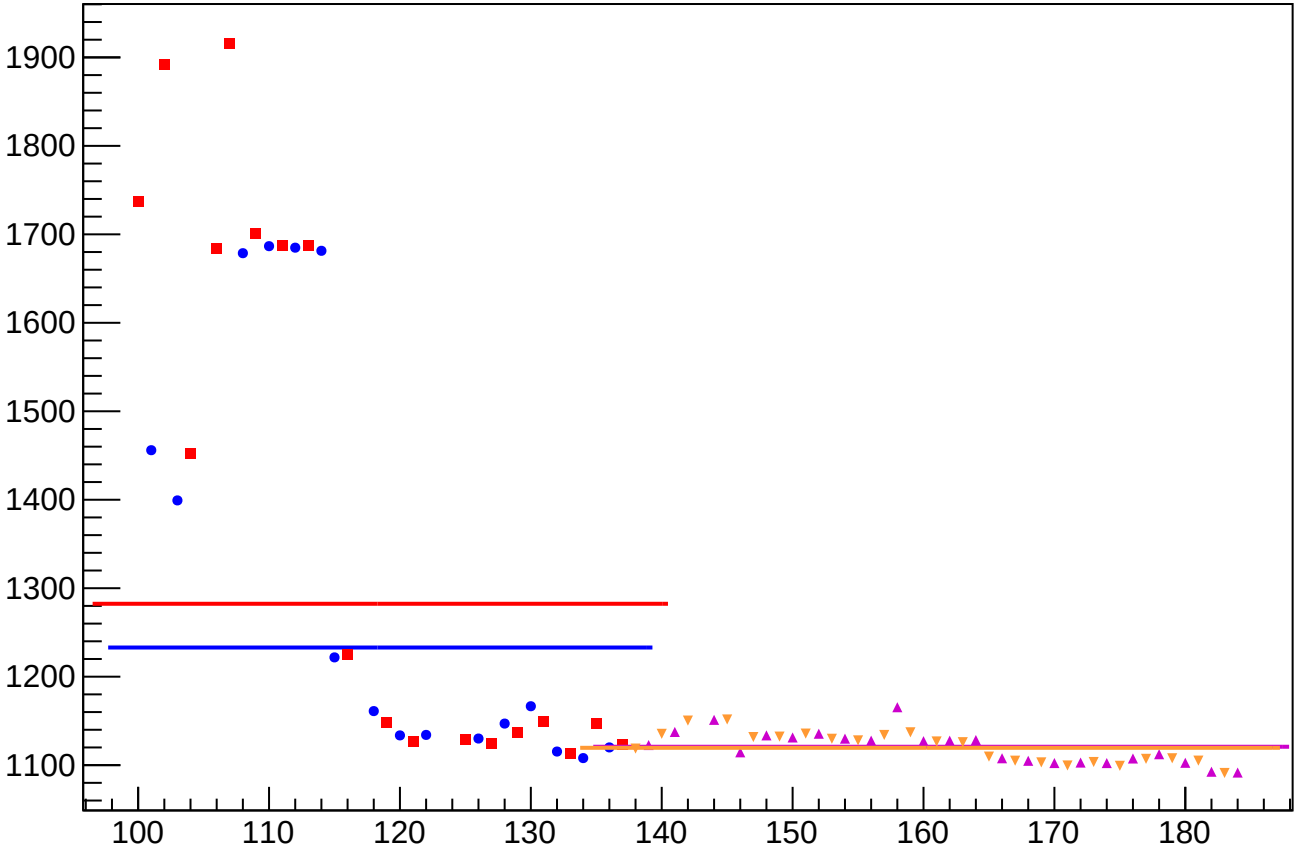
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 59.523+/-227.862 χ^2/NDF:30.9/38

Out: 241.617+/-230.216 χ^2/NDF:46.5/40

All: 149.634+/-161.949 χ^2/NDF: 77.7/79

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



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: 1120.800+/-0.185 χ^2/NDF:9426.5/22

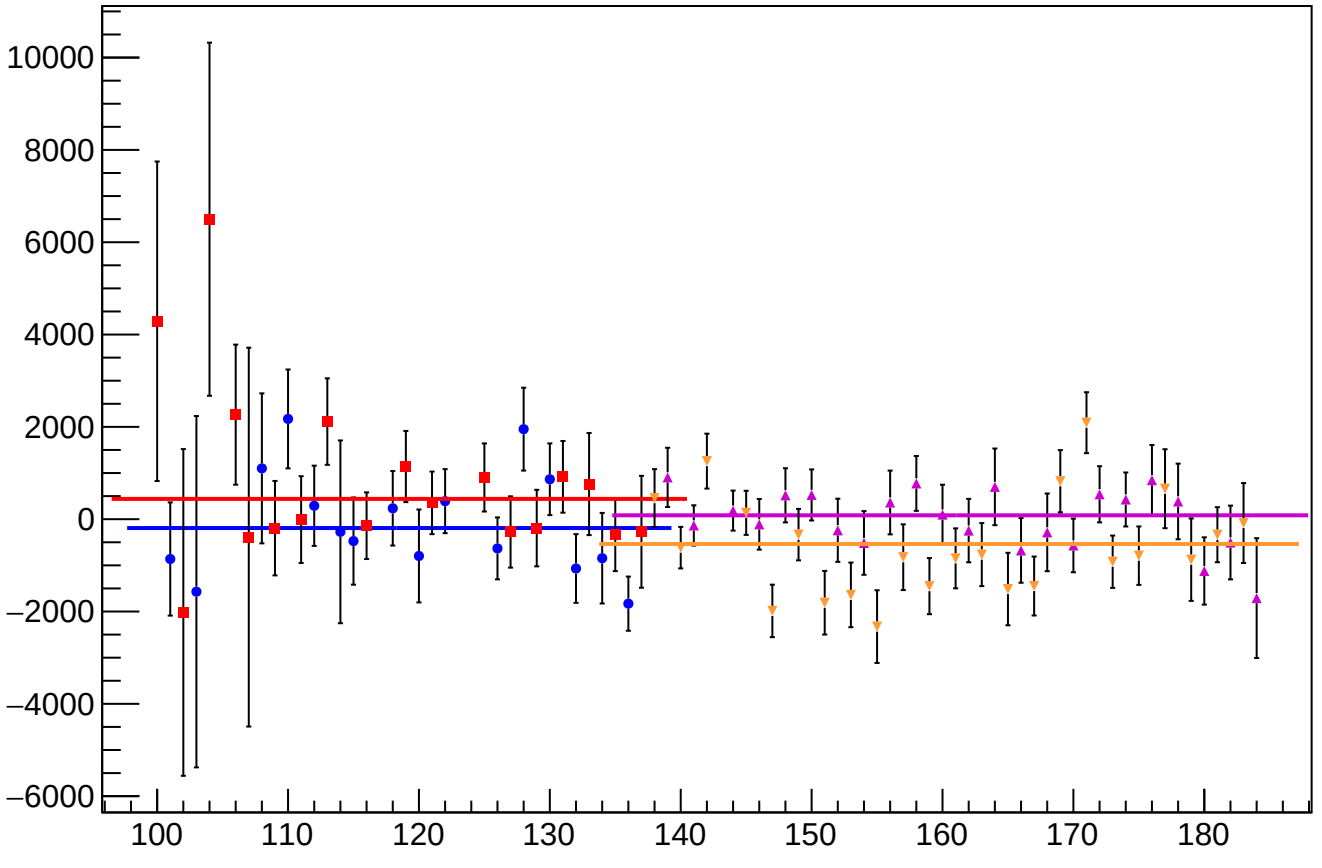
Left: 1120.201+/-0.131 χ^2/NDF: 17355.1/45

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1147.942+/-0.161 χ^2/NDF:413787.9/38

Out: 1156.460+/-0.163 χ^2/NDF:726492.8/40

All: 1152.157+/-0.115 χ^2/NDF: 1141663.8/79



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: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -226.299+/-93.727 χ^2/NDF: 88.1/45

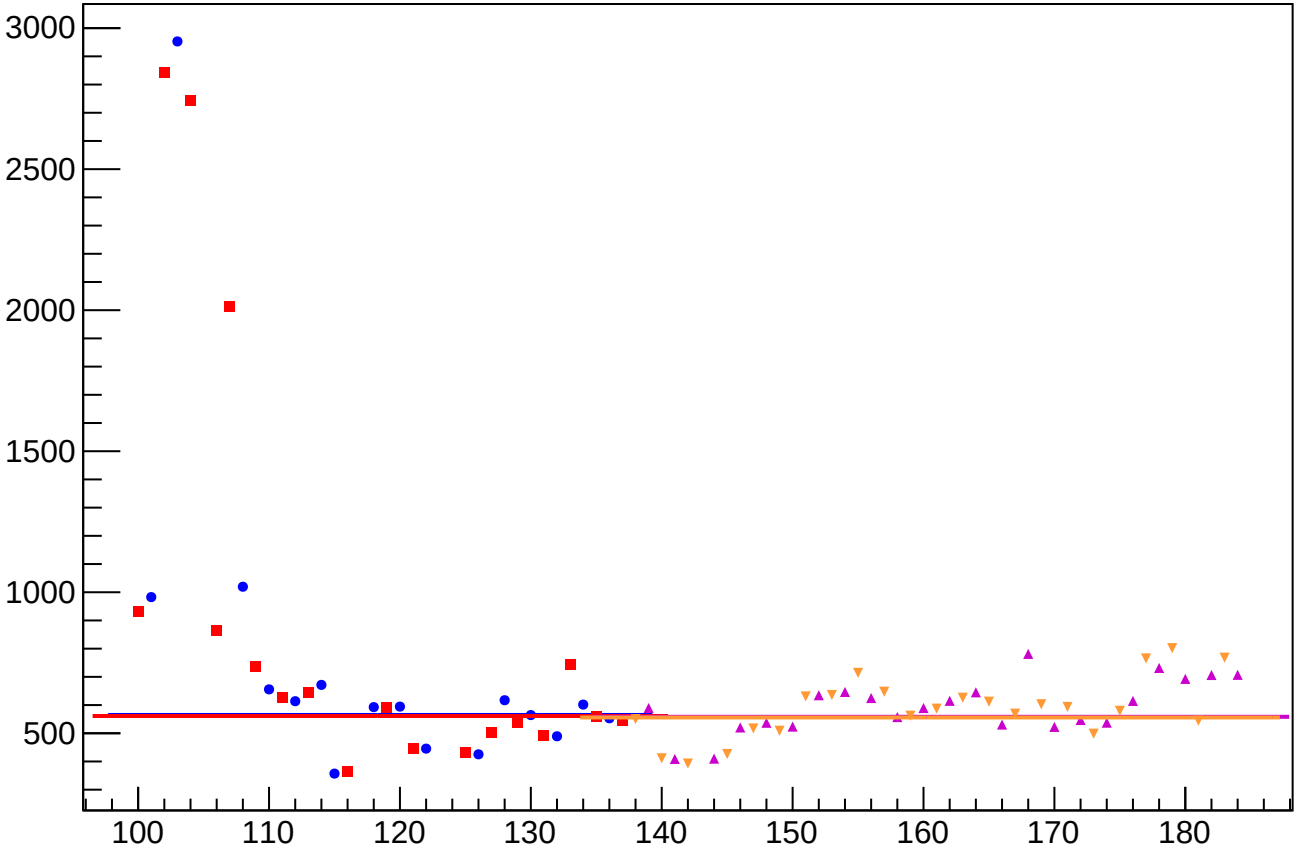
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 12.047+/-113.909 χ^2/NDF:42.8/38

Out: -287.826+/-114.415 χ^2/NDF:89.2/40

All: -137.225+/-80.724 χ^2/NDF: 135.5/79

asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 556.059+/-0.094 χ^2/NDF:1160420.6/22

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

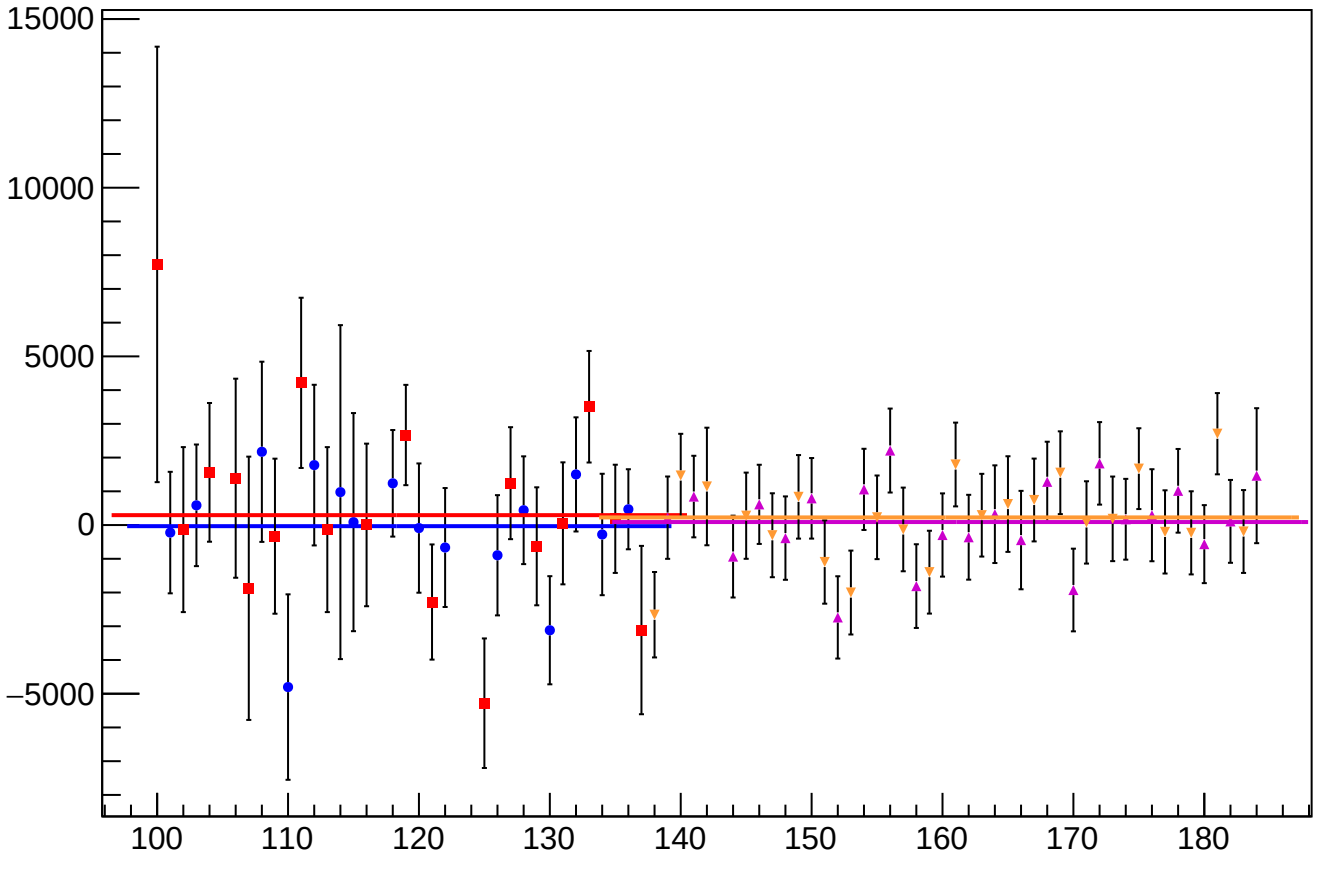
Left: 557.226+/-0.066 χ^2/NDF: 2188544.9/45

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 560.087+/-0.081 χ^2/NDF:2509438.9/38

Out: 557.389+/-0.081 χ^2/NDF:3434581.1/40

All: 558.744+/-0.057 χ^2/NDF: 5944578.6/79



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: 89.079+/-261.717 χ^2/NDF:20.6/22

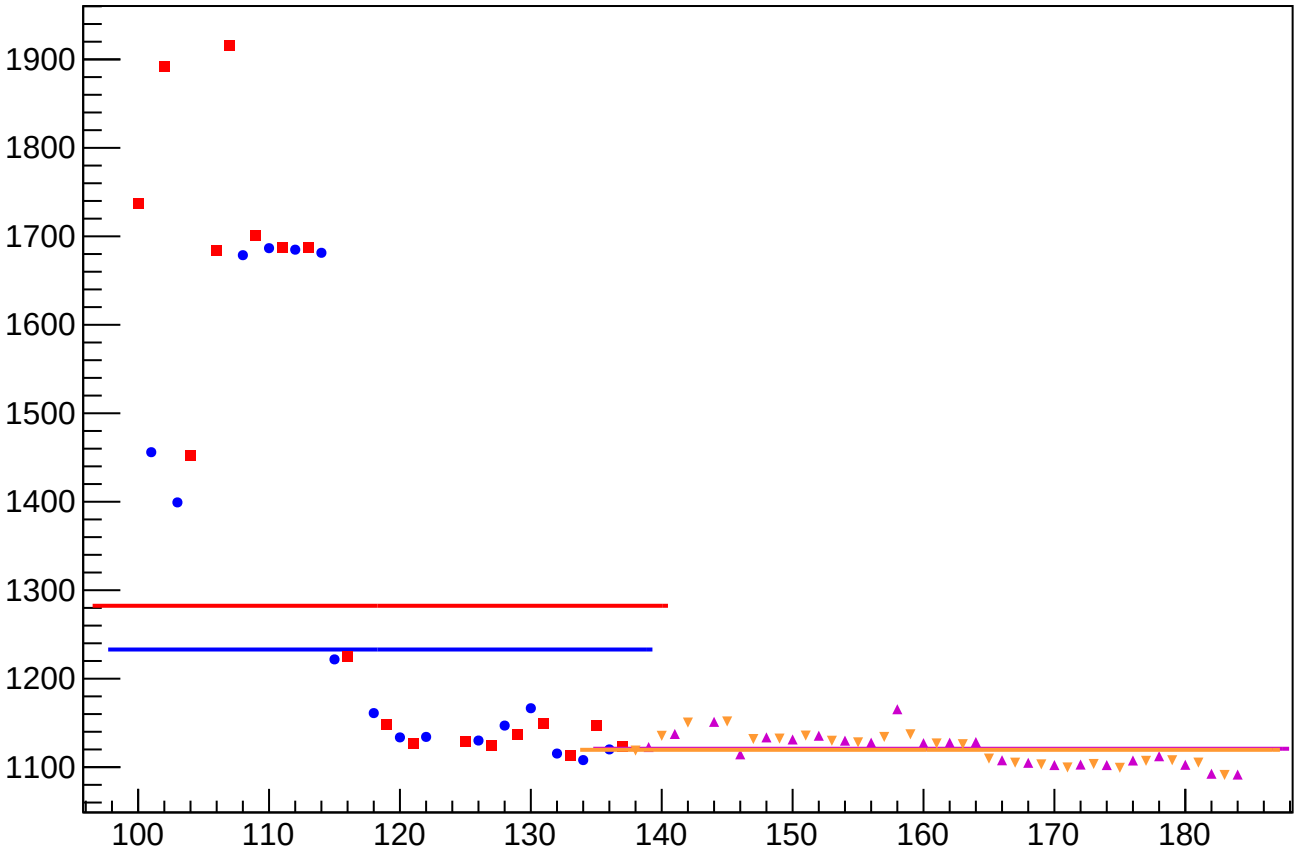
Left: 157.765+/-185.071 χ^2/NDF: 42.9/45

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 59.523+/-227.862 χ^2/NDF:30.9/38

Out: 241.616+/-230.216 χ^2/NDF:46.5/40

All: 149.634+/-161.949 χ^2/NDF: 77.7/79



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: 1120.800+/-0.185 χ^2/NDF:9426.5/22

Left: 1120.201+/-0.131 χ^2/NDF: 17355.1/45

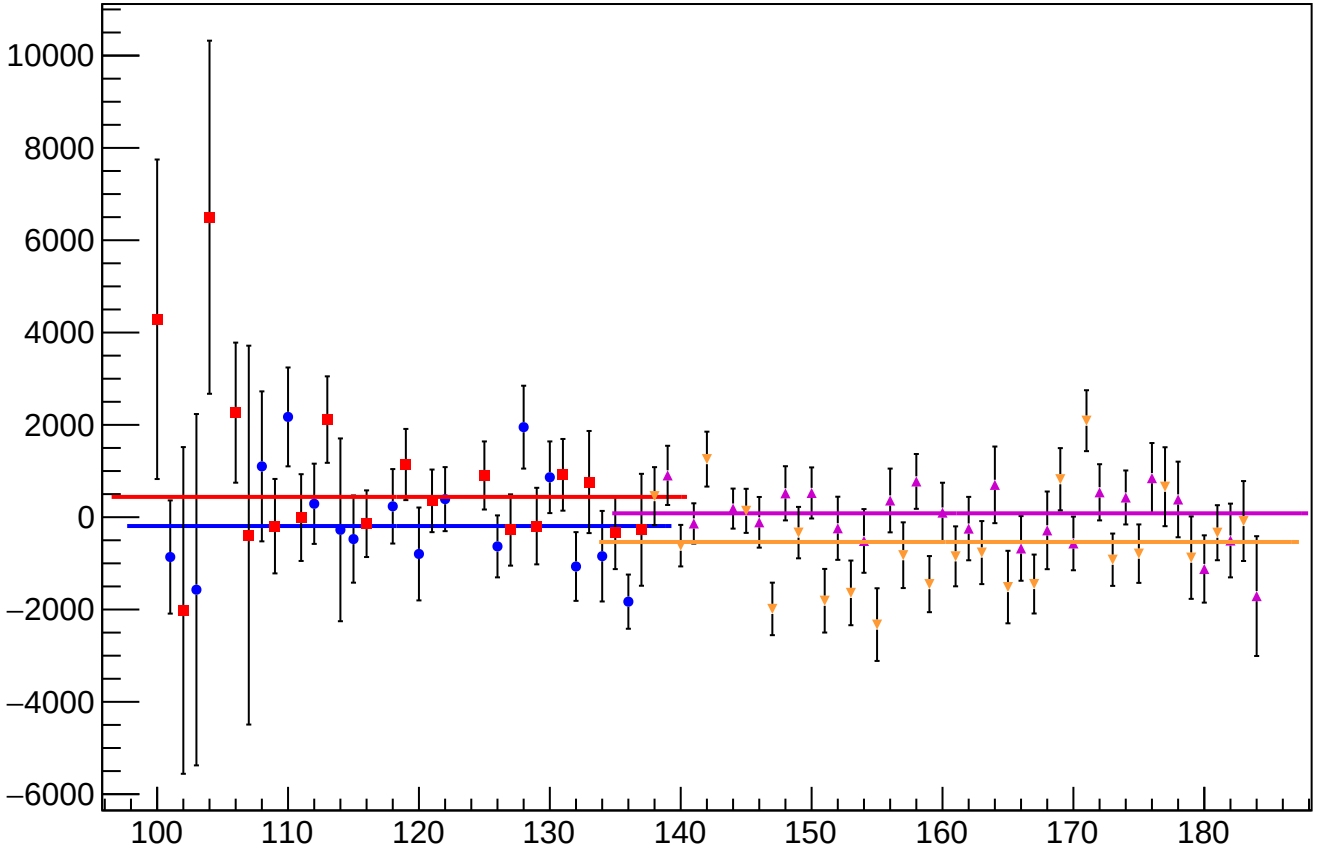
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1147.942+/-0.161 χ^2/NDF:413787.4/38

Out: 1156.460+/-0.163 χ^2/NDF:726492.0/40

All: 1152.157+/-0.115 χ^2/NDF: 1141662.6/79

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: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -226.299+/-93.727 χ^2/NDF: 88.1/45

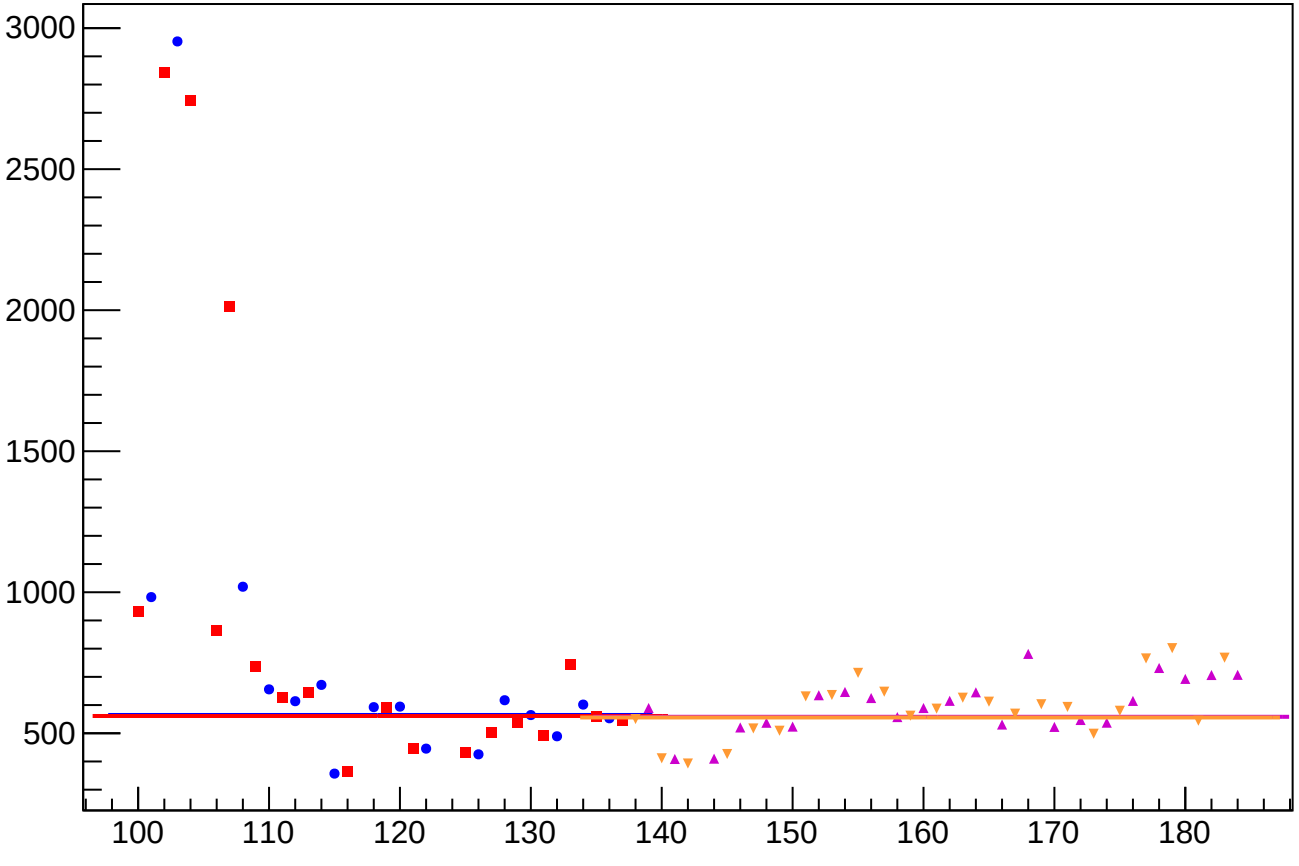
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 12.047+/-113.909 χ^2/NDF:42.8/38

Out: -287.825+/-114.414 χ^2/NDF:89.2/40

All: -137.225+/-80.724 χ^2/NDF: 135.5/79

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 556.059+/-0.094 χ^2/NDF:1160441.3/22

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

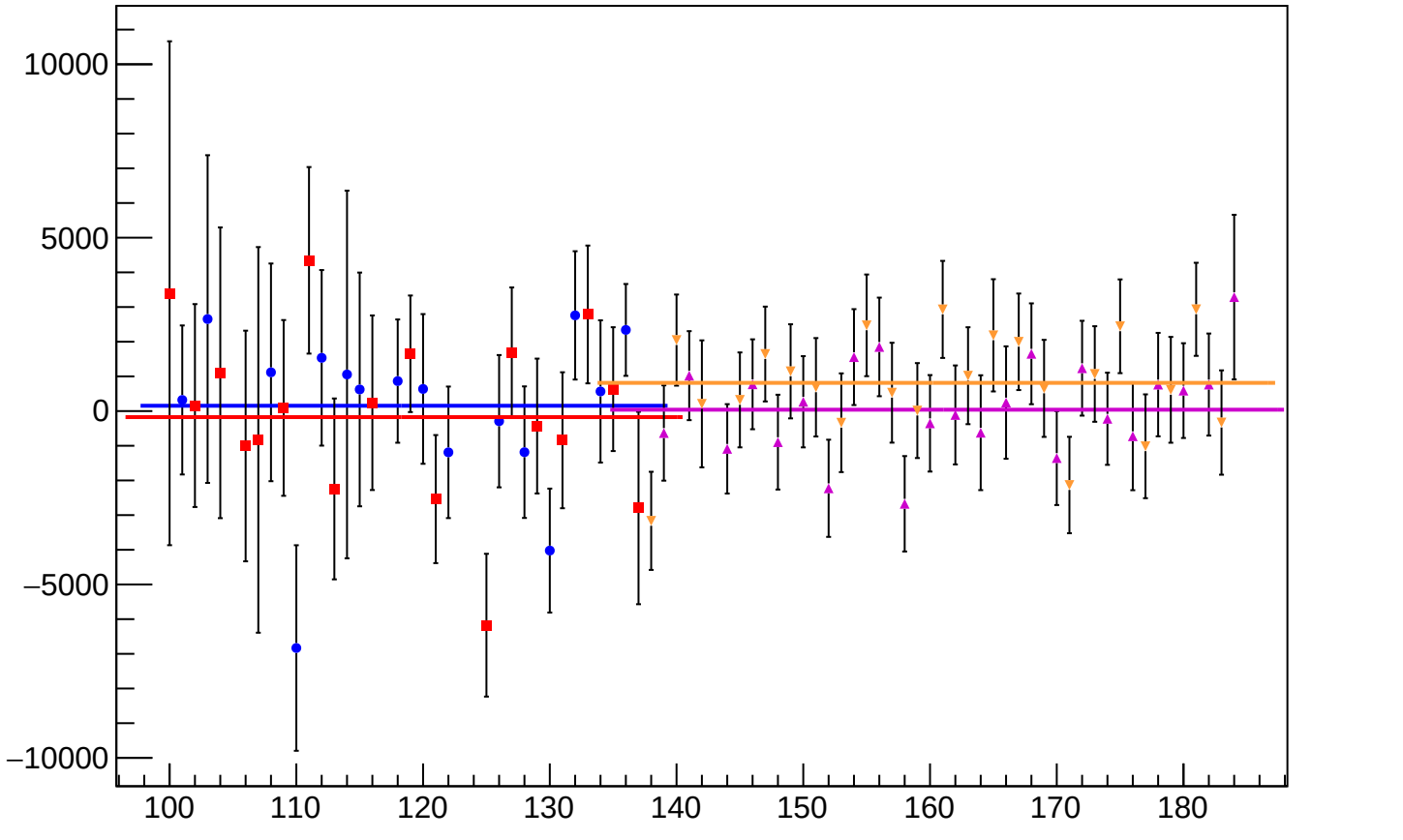
Left: 557.226+/-0.066 χ^2/NDF: 2188580.2/45

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 560.086+/-0.081 χ^2/NDF:2509451.0/38

Out: 557.388+/-0.081 χ^2/NDF:3434602.7/40

All: 558.743+/-0.057 χ^2/NDF: 5944612.3/79



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: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 425.777+/-209.563 χ^2/NDF: 47.4/45

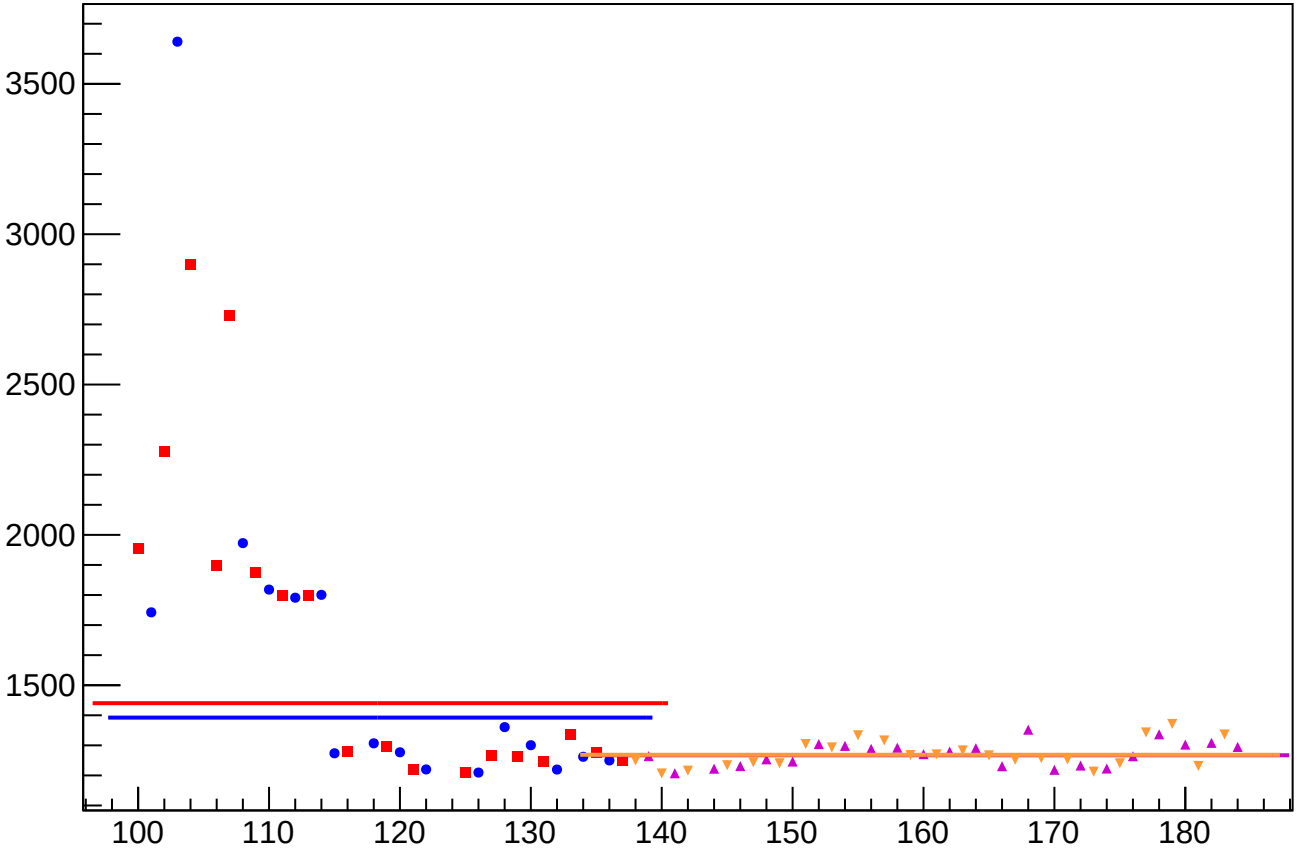
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: 66.562+/-258.674 χ^2/NDF:35.7/38

Out: 591.087+/-261.164 χ^2/NDF:48.3/40

All: 326.312+/-183.784 χ^2/NDF: 86.0/79

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: 1267.066+/-0.209 χ^2/NDF:34547.0/22

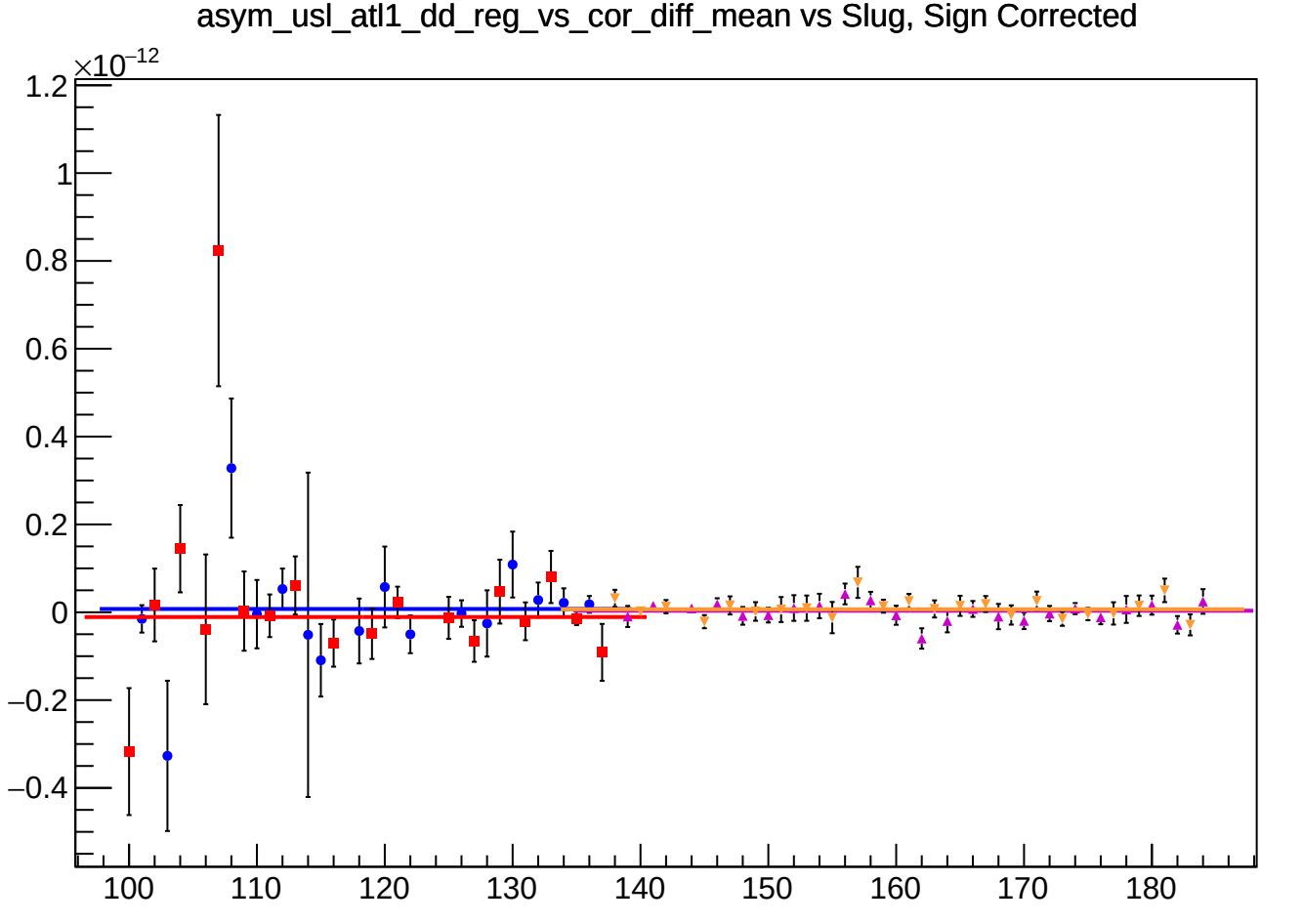
Left: 1267.855+/-0.148 χ^2/NDF: 76495.3/45

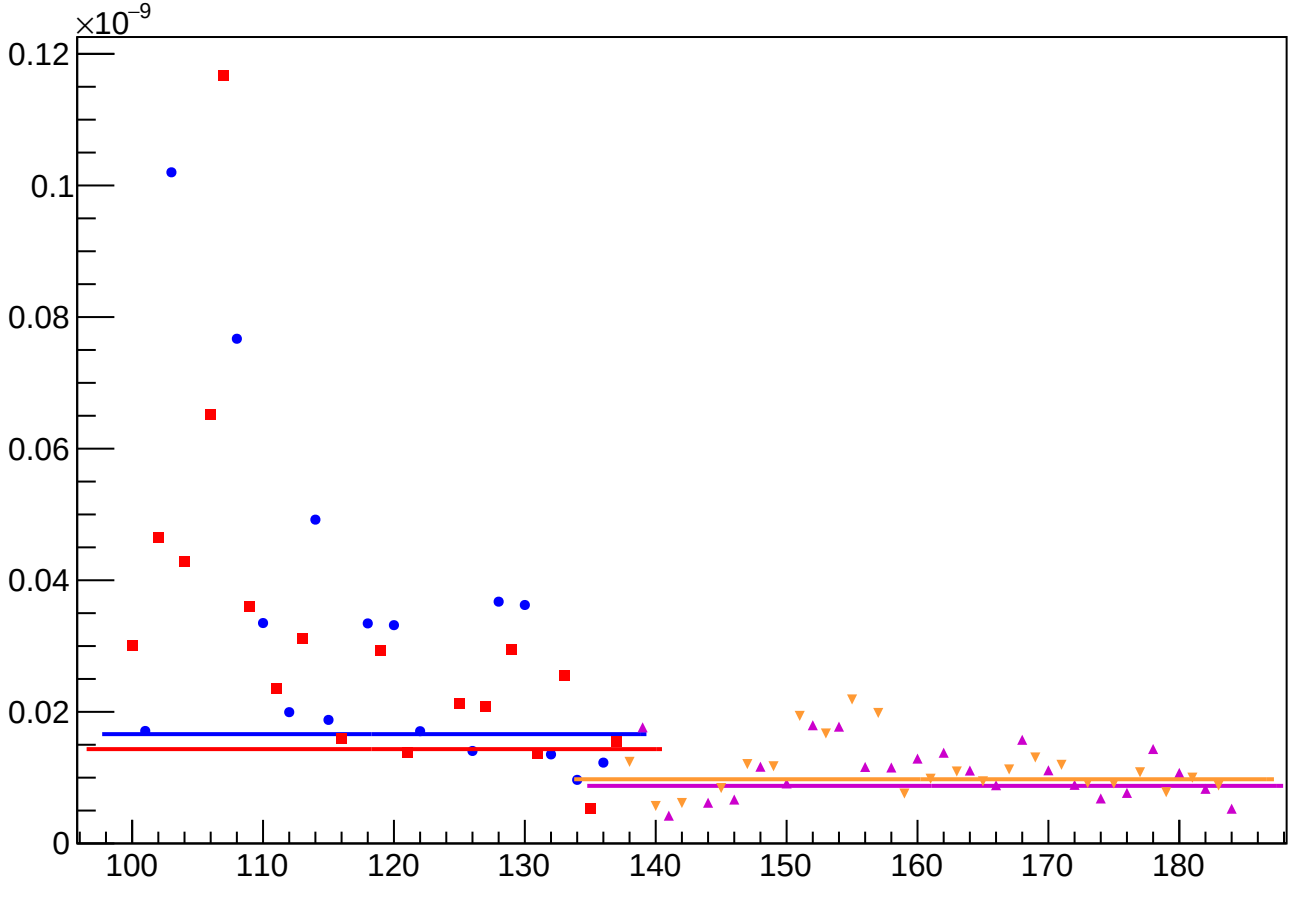
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1296.662+/-0.183 χ^2/NDF:898391.7/38

Out: 1307.313+/-0.185 χ^2/NDF:1047491.0/40

All: 1301.936+/-0.130 χ^2/NDF: 1947561.6/79


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:23.0/22
Left: 0.000+/-0.000 χ²/NDF: 43.0/45
Right: -0.000+/-0.000 χ²/NDF: 42.4/33
In: 0.000+/-0.000 χ²/NDF:40.0/38
Out: 0.000+/-0.000 χ²/NDF:46.1/40
All: 0.000+/-0.000 χ²/NDF: 86.1/79



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:1928867.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3371017.4/45

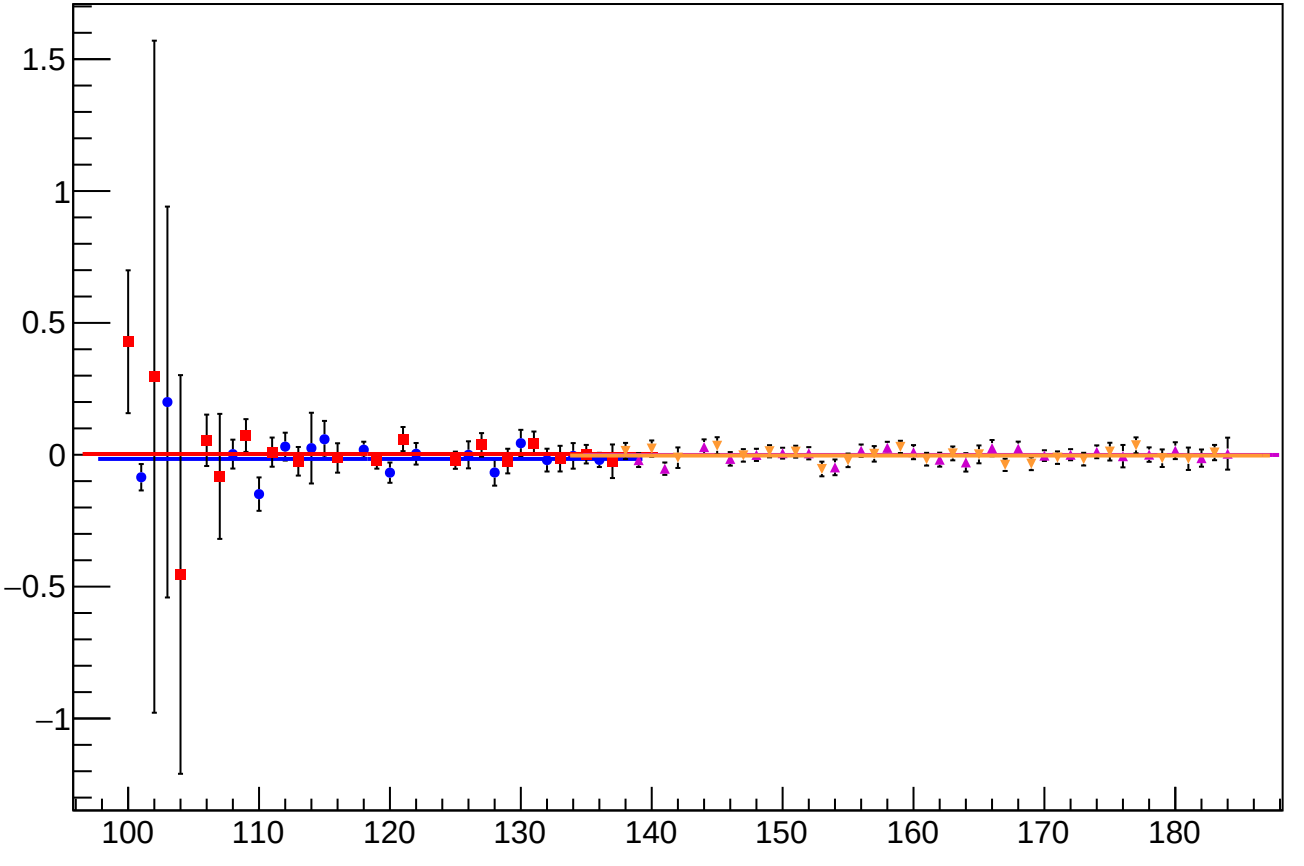
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4439662.9/38

Out: 0.000+/-0.000 χ^2/NDF:3958861.5/40

All: 0.000+/-0.000 χ^2/NDF: 8441712.5/79

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:14.9/22

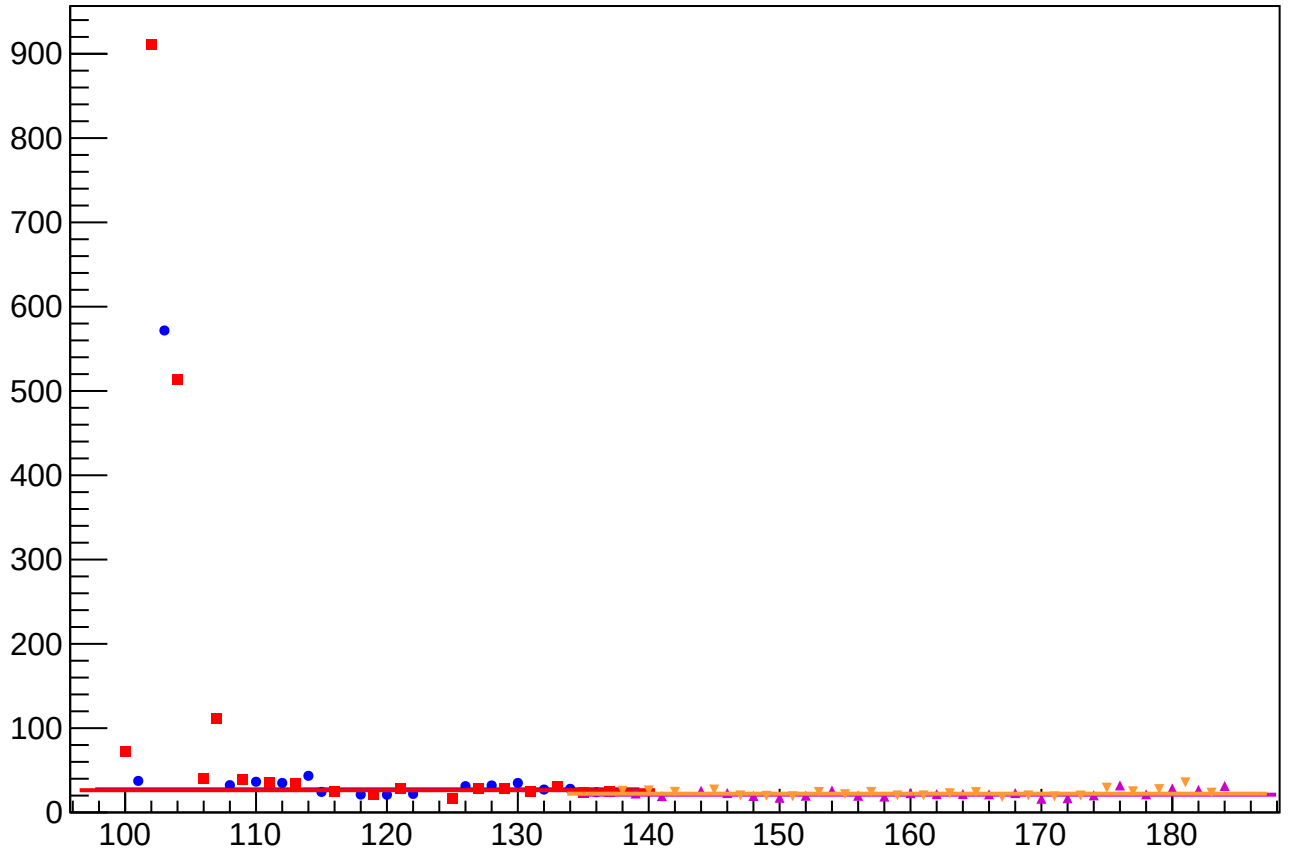
Left: -0.002+/-0.004 χ^2/NDF: 31.1/45

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.9/38

Out: -0.002+/-0.005 χ^2/NDF:26.2/40

All: -0.003+/-0.004 χ^2/NDF: 57.1/79



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: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.660+/-0.003 χ^2/NDF: 1591500.0/45

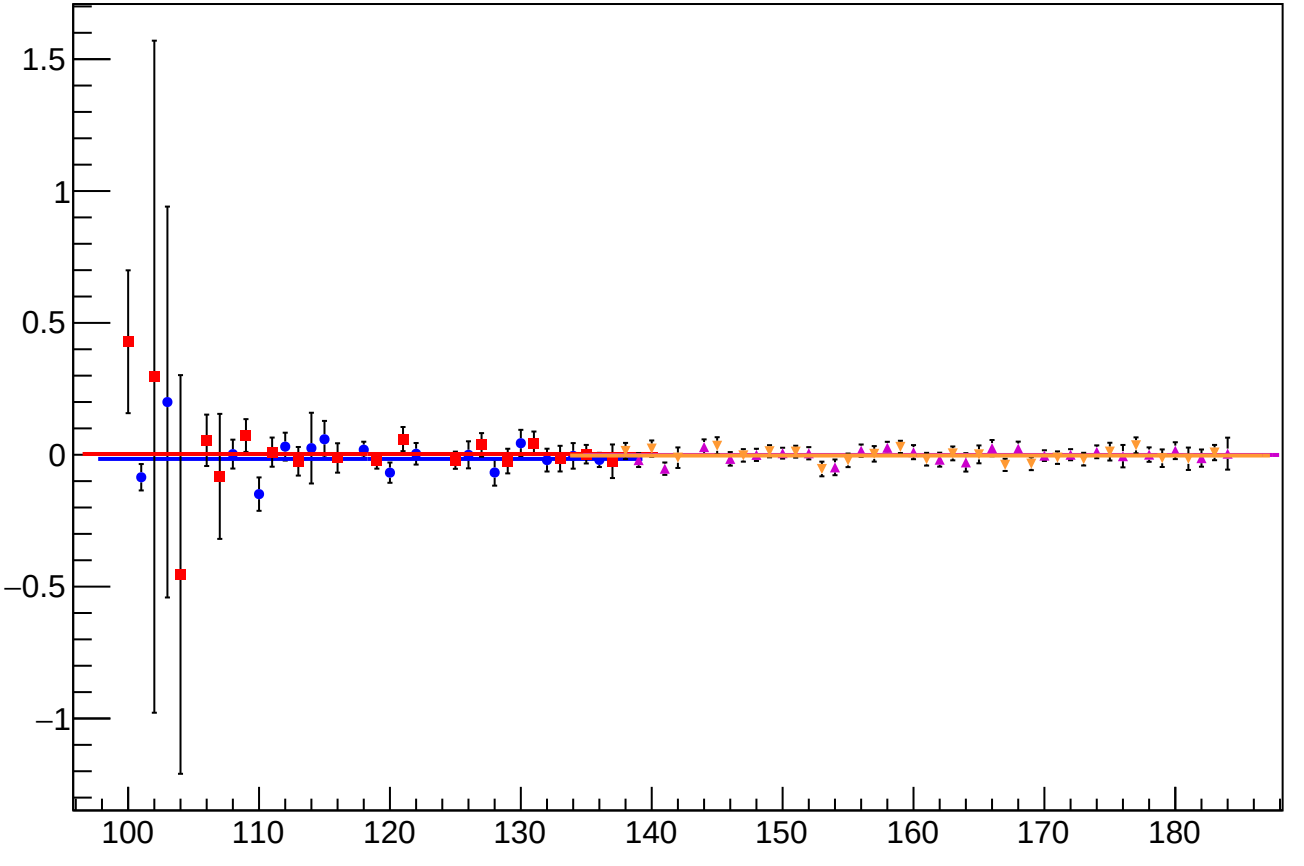
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.233+/-0.003 χ^2/NDF:2858685.8/38

Out: 23.027+/-0.004 χ^2/NDF:3535885.1/40

All: 22.614+/-0.003 χ^2/NDF: 6419303.2/79

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:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.1/45

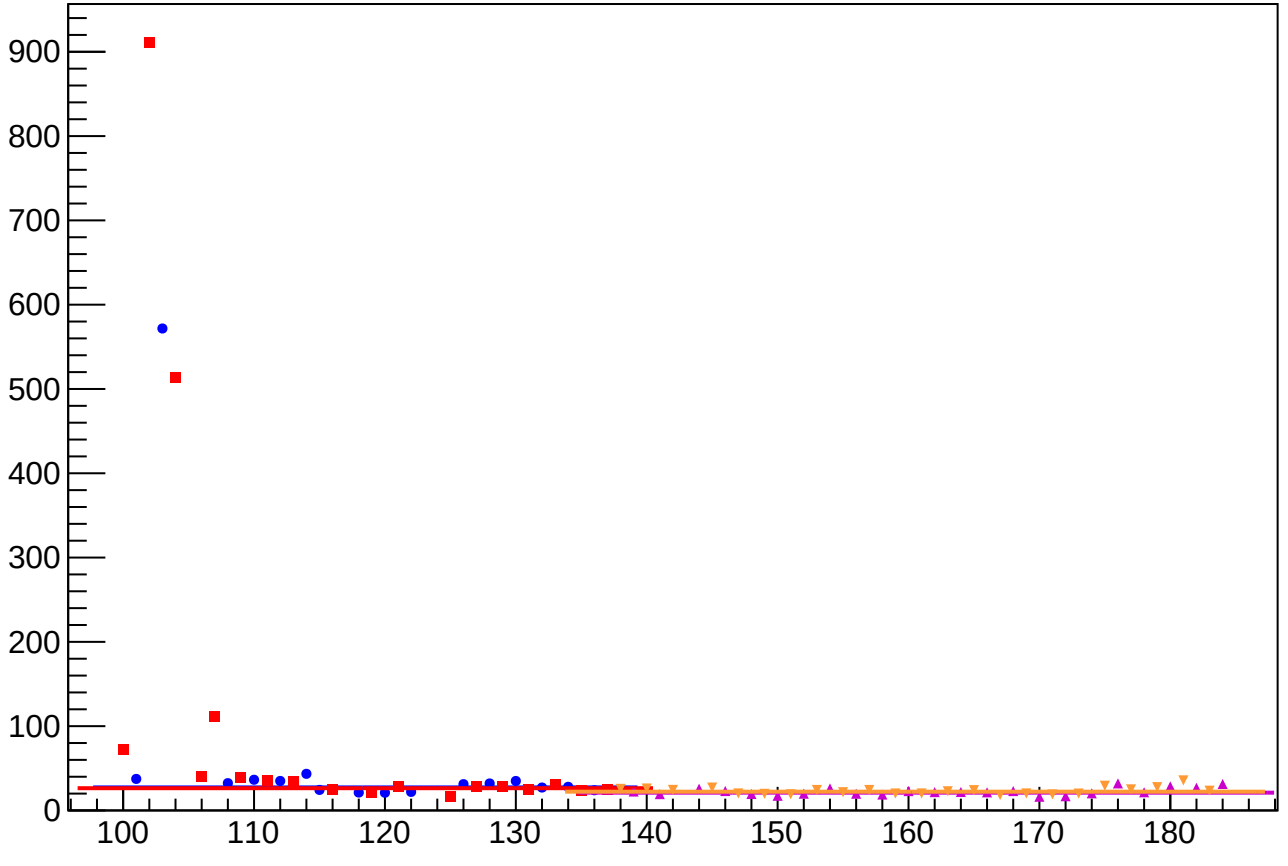
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.9/38

Out: -0.002+/-0.005 χ^2/NDF:26.2/40

All: -0.003+/-0.004 χ^2/NDF: 57.1/79

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: 21.099+/-0.004 χ^2/NDF:819255.8/22

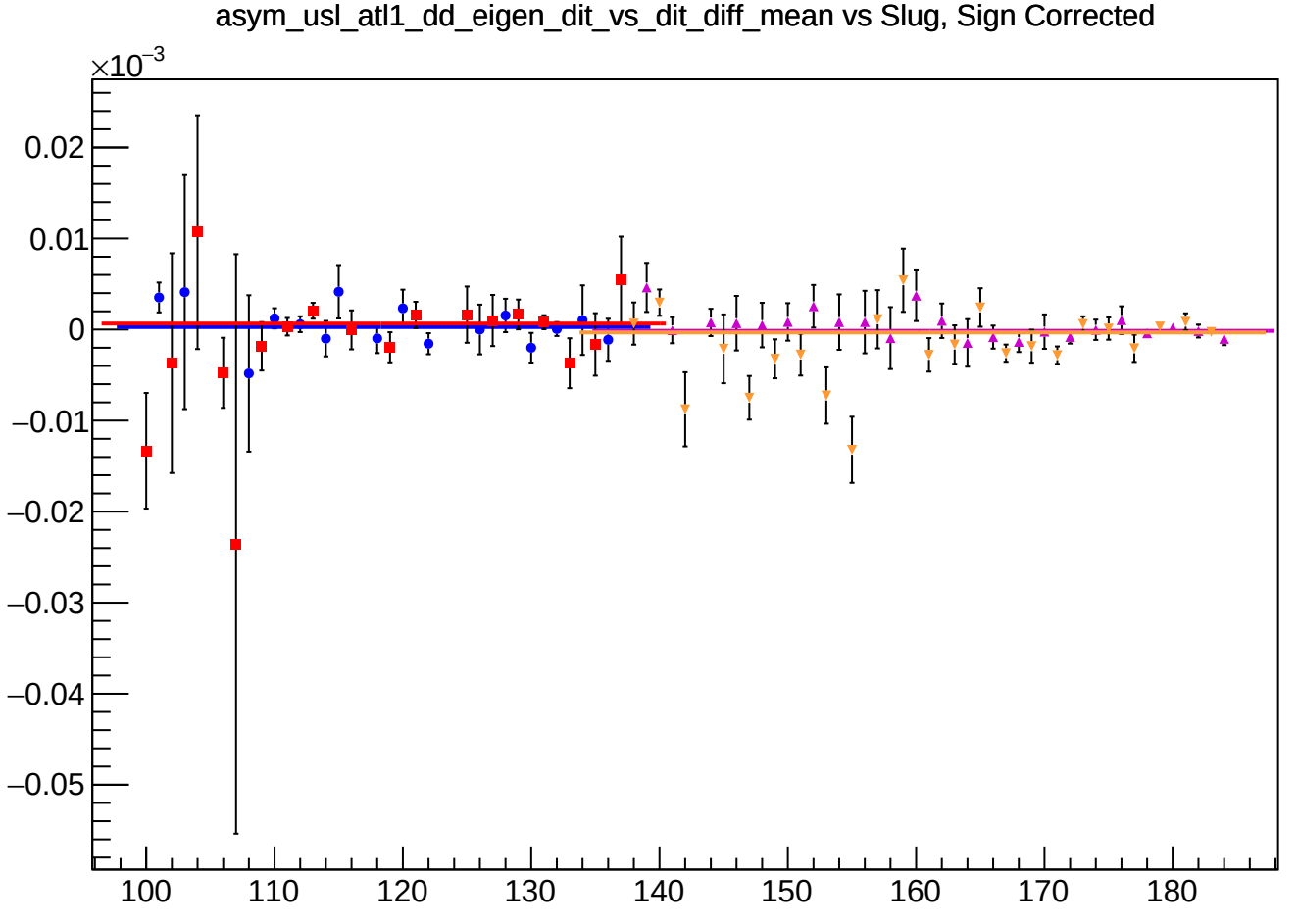
Left: 21.660+/-0.003 χ^2/NDF: 1591500.0/45

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

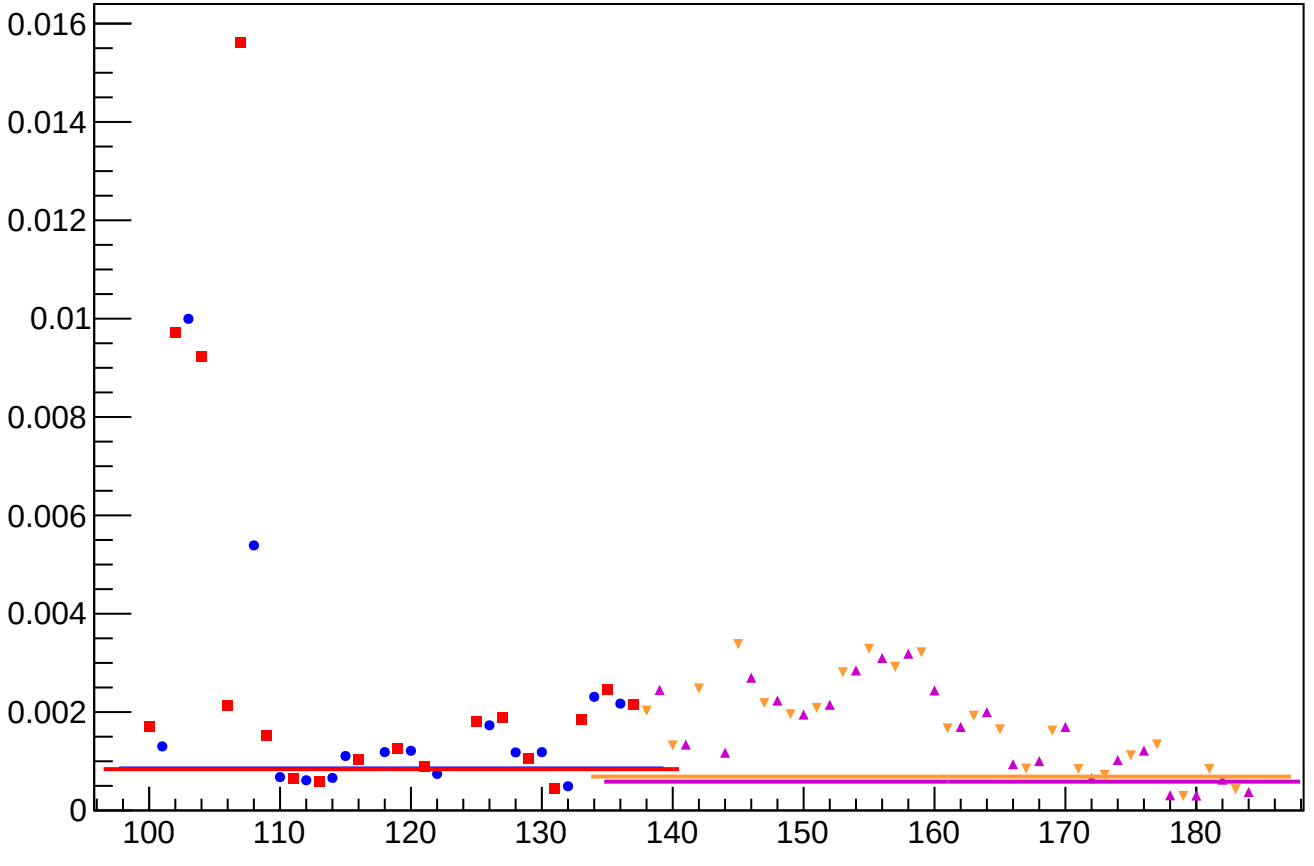
In: 22.233+/-0.003 χ^2/NDF:2858685.8/38

Out: 23.027+/-0.004 χ^2/NDF:3535885.1/40

All: 22.614+/-0.003 χ^2/NDF: 6419303.2/79


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: -0.000+/-0.000 χ²/NDF:67.8/22
Right Out: 0.000+/-0.000 χ²/NDF: 19.3/17
Left In: -0.000+/-0.000 χ²/NDF:14.2/22
Left: -0.000+/-0.000 χ²/NDF: 82.4/45
Right: 0.000+/-0.000 χ²/NDF: 34.2/33
In: -0.000+/-0.000 χ²/NDF:29.6/38
Out: -0.000+/-0.000 χ²/NDF:91.7/40
All: -0.000+/-0.000 χ²/NDF: 121.4/79

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:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31034657.8/45

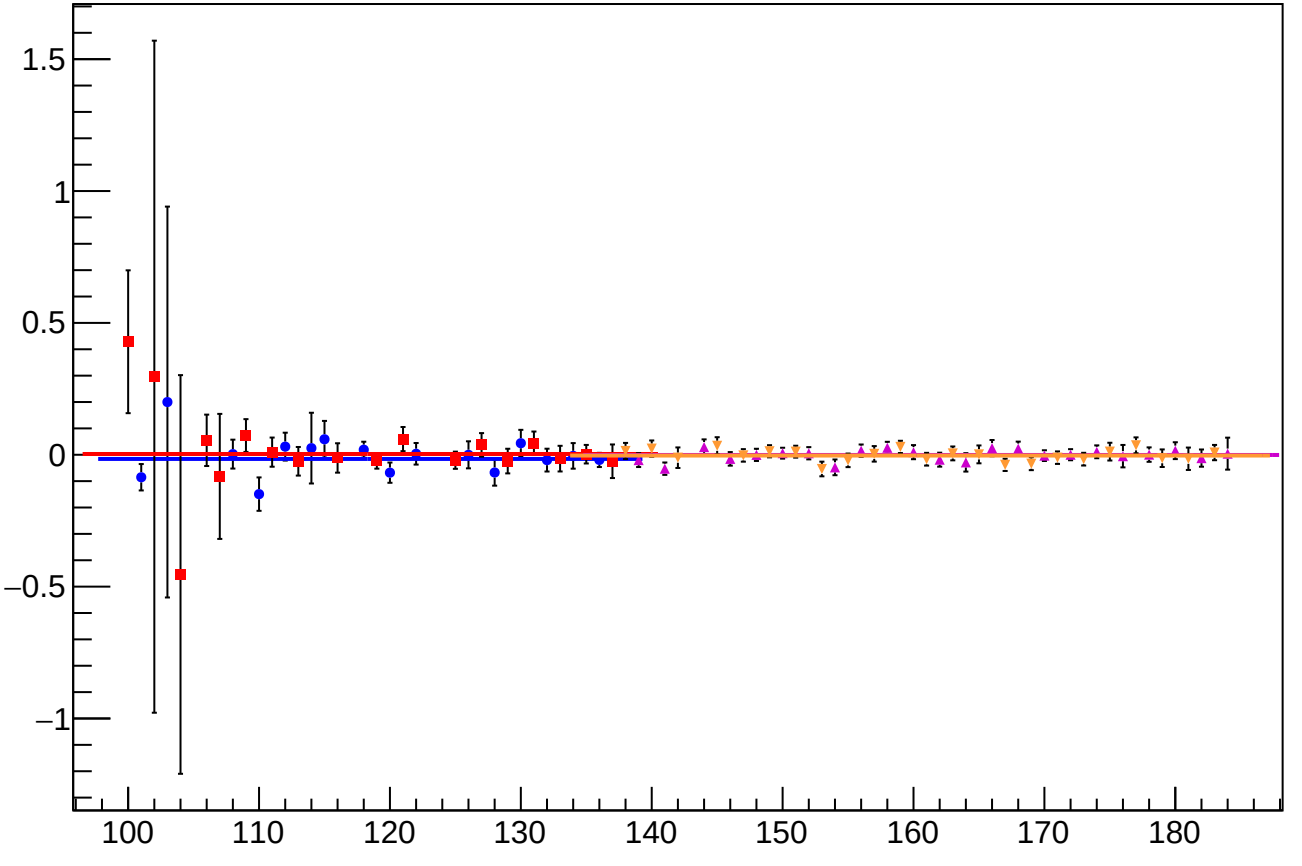
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:20332392.8/38

Out: 0.001+/-0.000 χ^2/NDF:20377697.3/40

All: 0.001+/-0.000 χ^2/NDF: 40929334.8/79

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:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.1/45

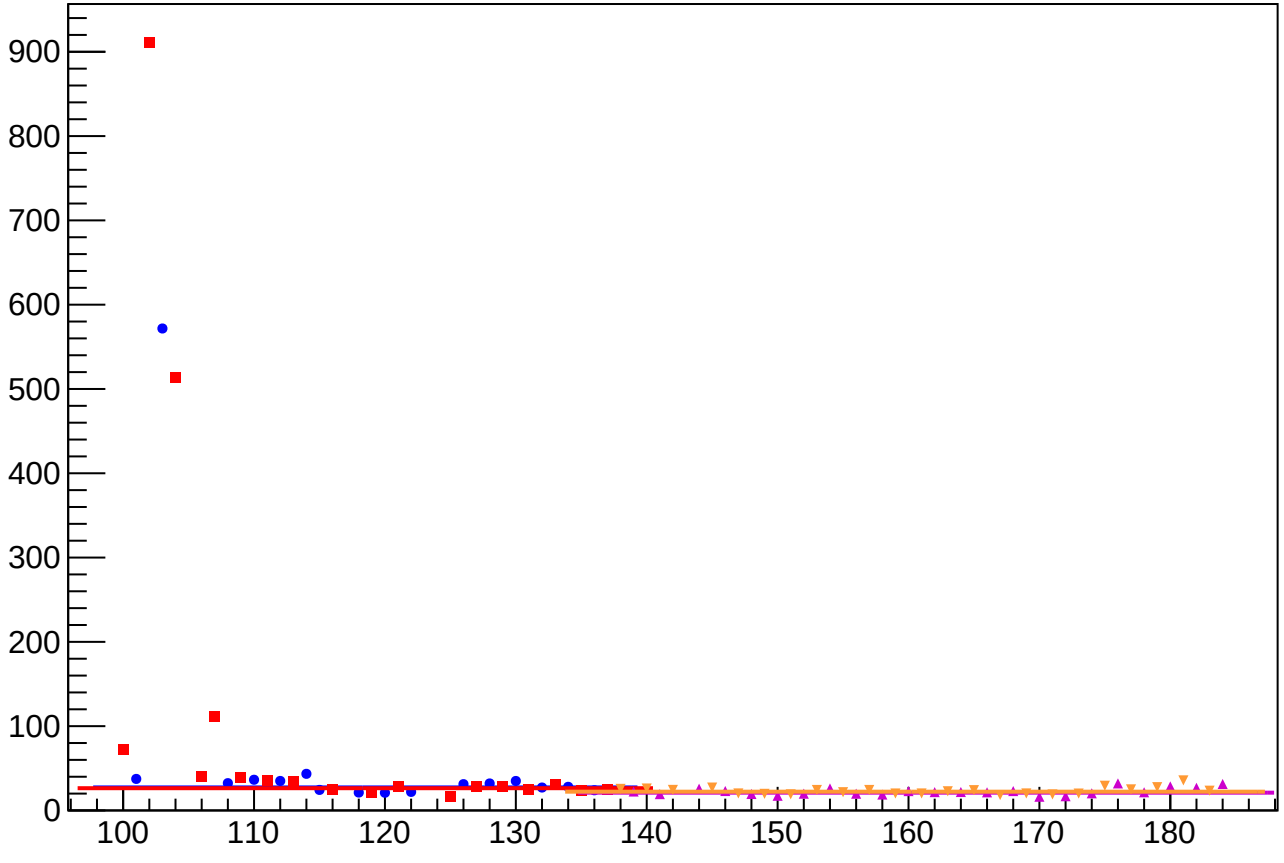
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.9/38

Out: -0.002+/-0.005 χ^2/NDF:26.2/40

All: -0.003+/-0.004 χ^2/NDF: 57.1/79

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.269+/-0.004 χ^2/NDF:728331.6/22

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.660+/-0.003 χ^2/NDF: 1591482.0/45

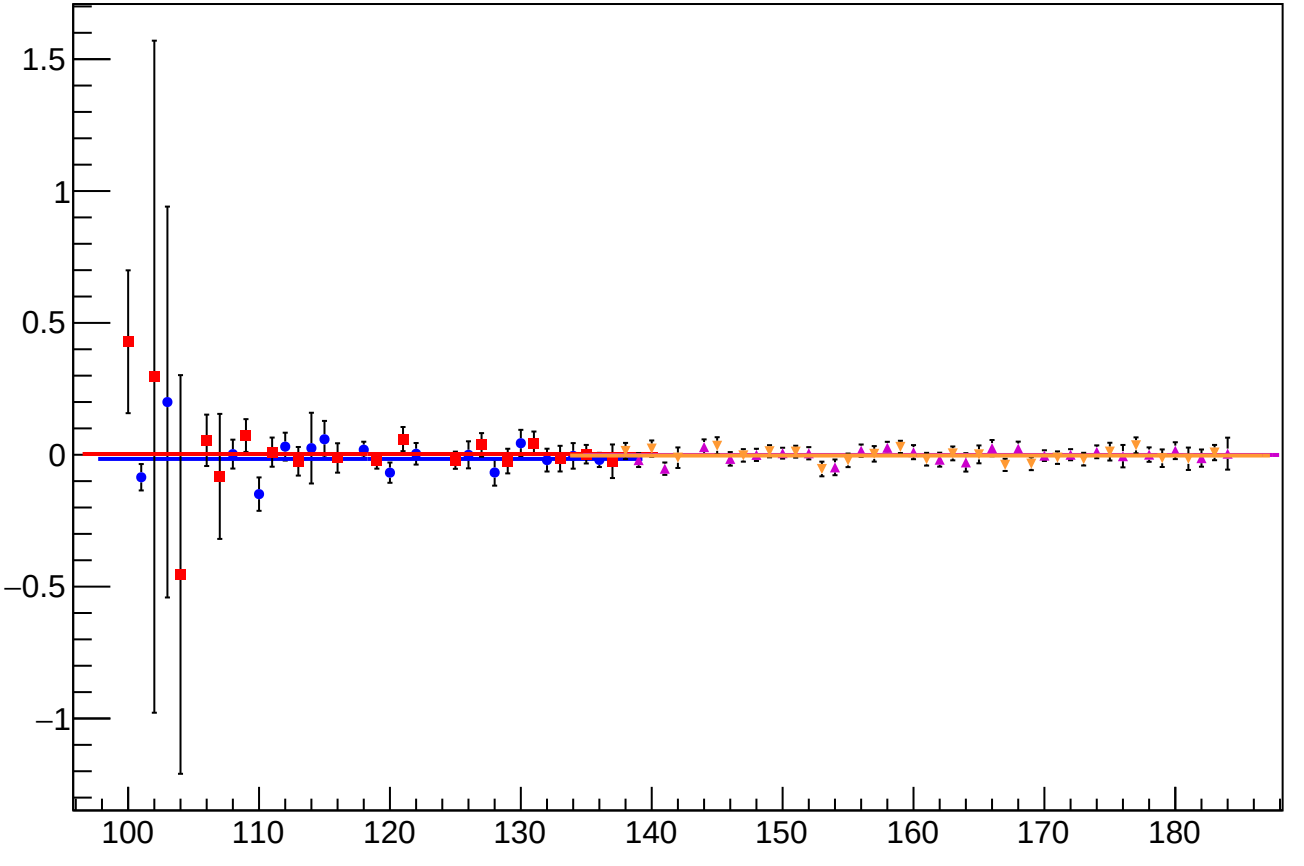
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.233+/-0.003 χ^2/NDF:2858699.0/38

Out: 23.027+/-0.004 χ^2/NDF:3535879.3/40

All: 22.614+/-0.003 χ^2/NDF: 6419309.5/79

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:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.1/45

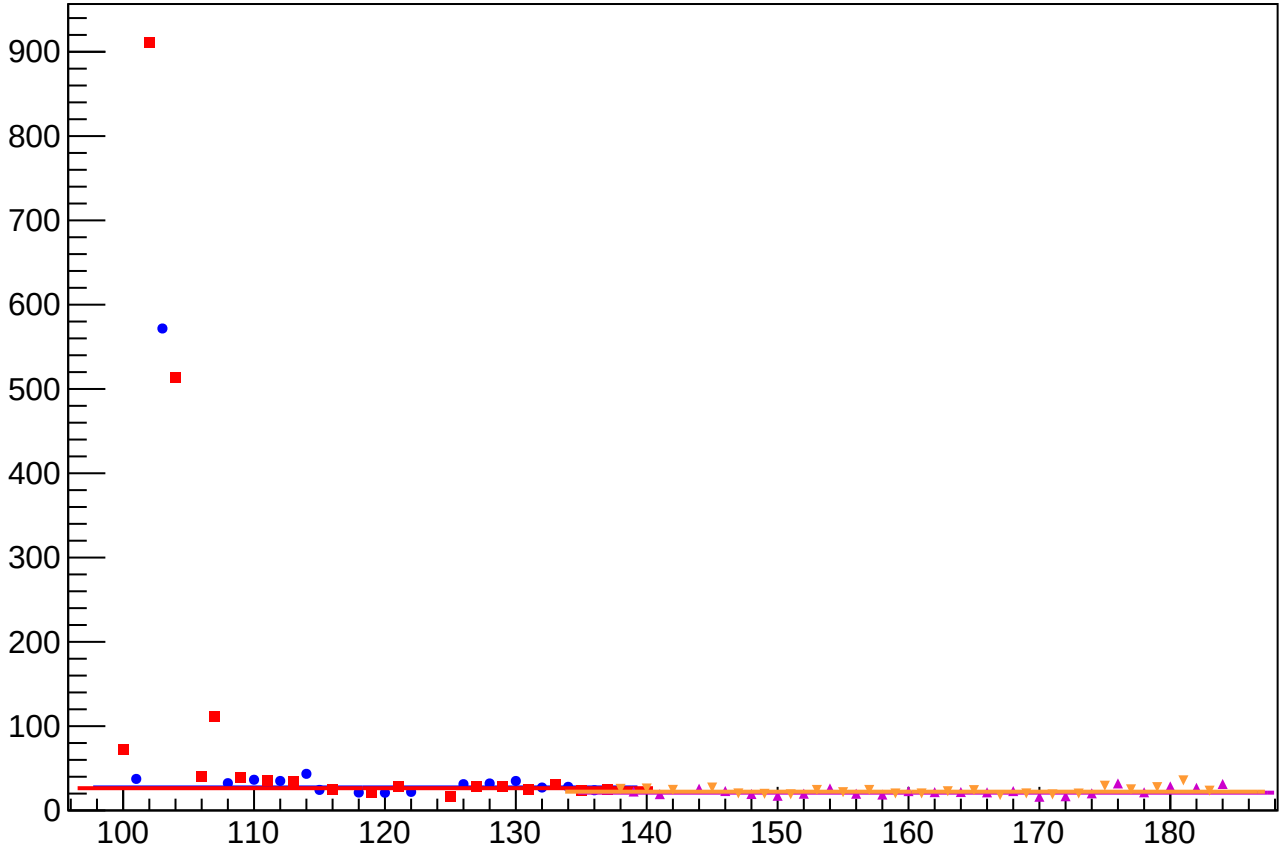
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.9/38

Out: -0.002+/-0.005 χ^2/NDF:26.2/40

All: -0.003+/-0.004 χ^2/NDF: 57.1/79

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: 21.099+/-0.004 χ^2/NDF:819268.9/22

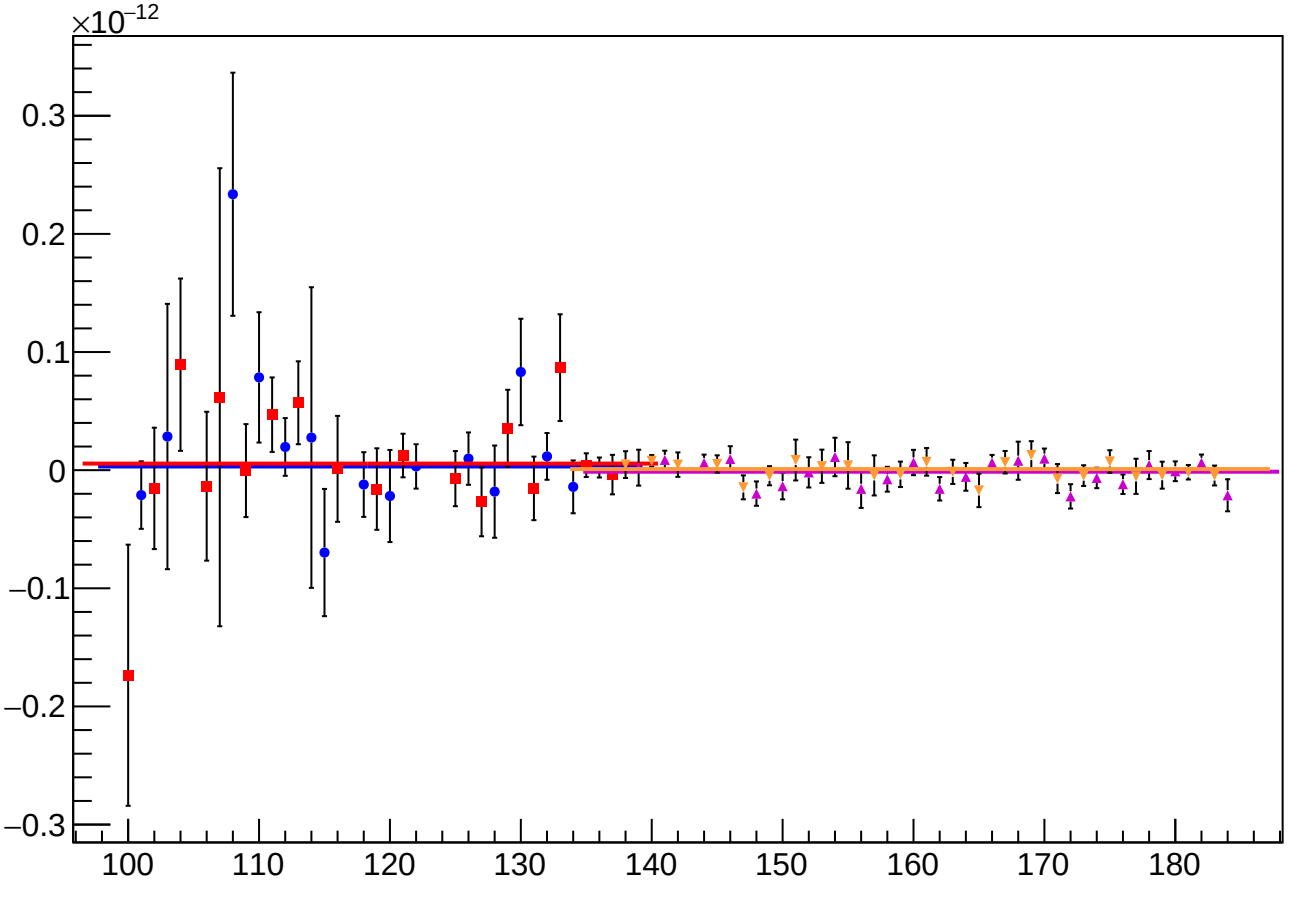
Left: 21.660+/-0.003 χ^2/NDF: 1591482.0/45

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.233+/-0.003 χ^2/NDF:2858699.0/38

Out: 23.027+/-0.004 χ^2/NDF:3535879.3/40

All: 22.614+/-0.003 χ^2/NDF: 6419309.5/79



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:25.8/22

Left: -0.000+/-0.000 χ^2/NDF: 37.9/45

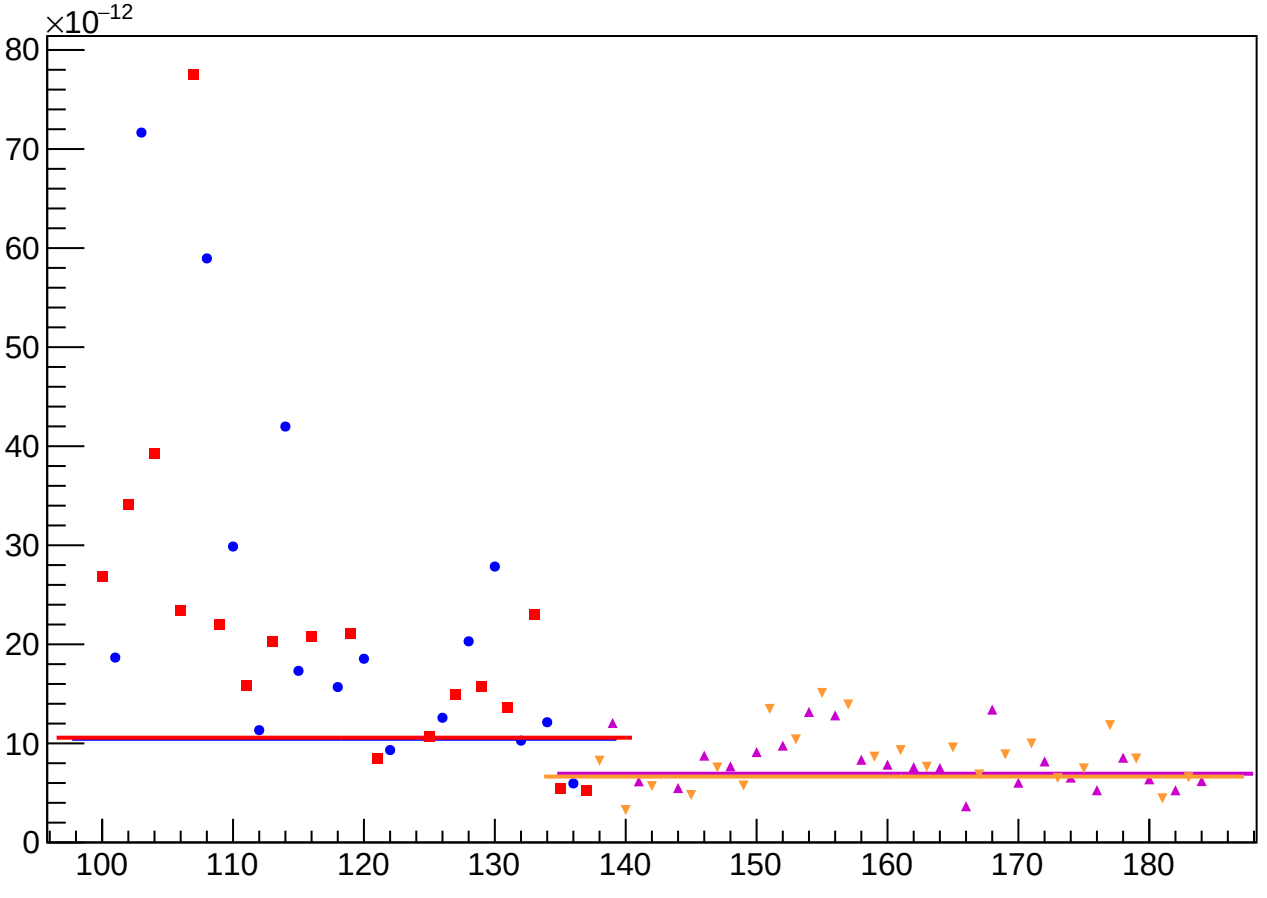
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: -0.000+/-0.000 χ^2/NDF:41.3/38

Out: 0.000+/-0.000 χ^2/NDF:27.3/40

All: 0.000+/-0.000 χ^2/NDF: 69.3/79

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:2315472.3/22

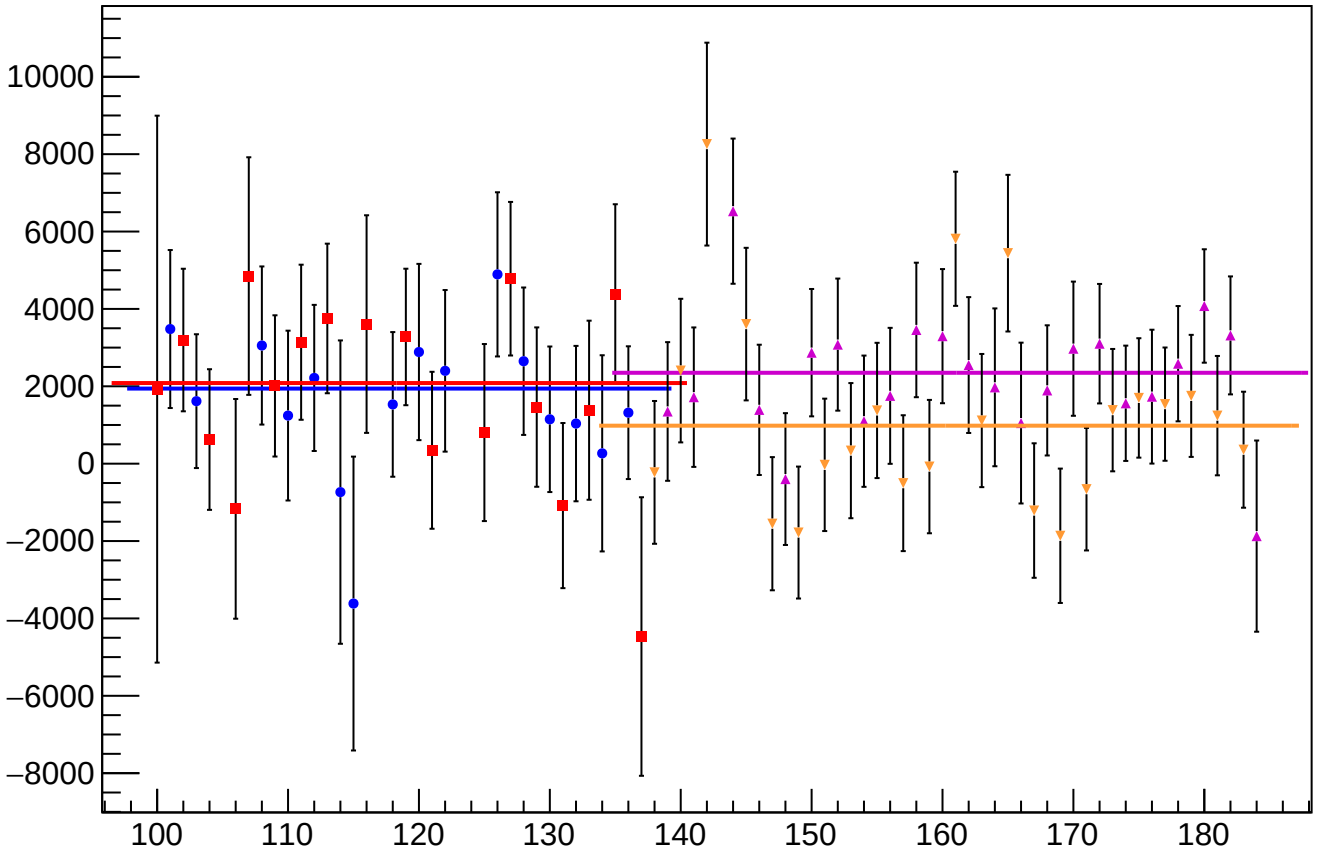
Left: 0.000+/-0.000 χ^2/NDF: 5762788.6/45

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:5780070.8/38

Out: 0.000+/-0.000 χ^2/NDF:6948973.9/40

All: 0.000+/-0.000 χ^2/NDF: 12753277.6/79



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: 2349.189+/-357.068 χ^2/NDF:16.0/22

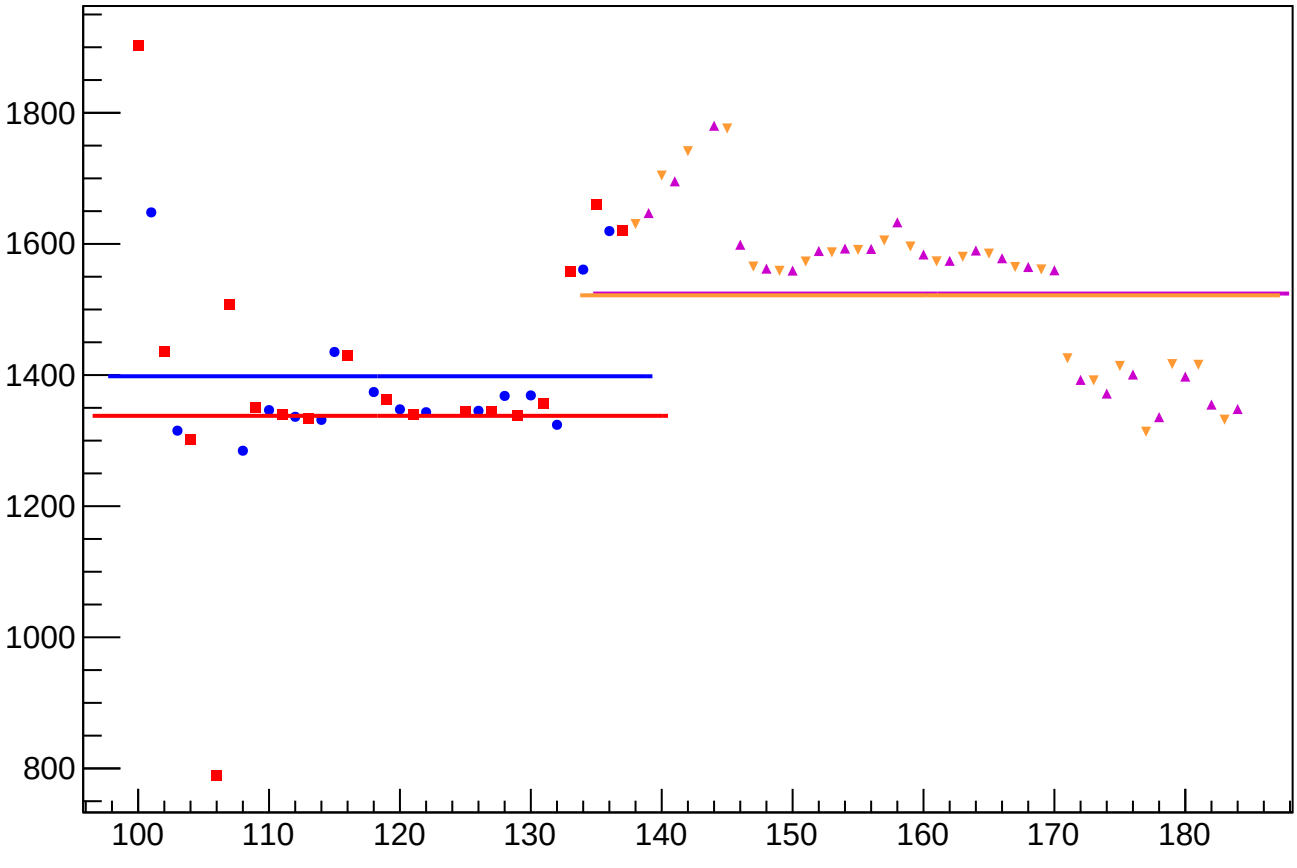
Left: 1665.096+/-252.394 χ^2/NDF: 59.1/45

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2219.126+/-294.746 χ^2/NDF:23.3/38

Out: 1335.128+/-294.133 χ^2/NDF:53.3/40

All: 1776.208+/-208.200 χ^2/NDF: 81.1/79



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: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1522.980+/-0.178 χ^2/NDF: 445993.7/45

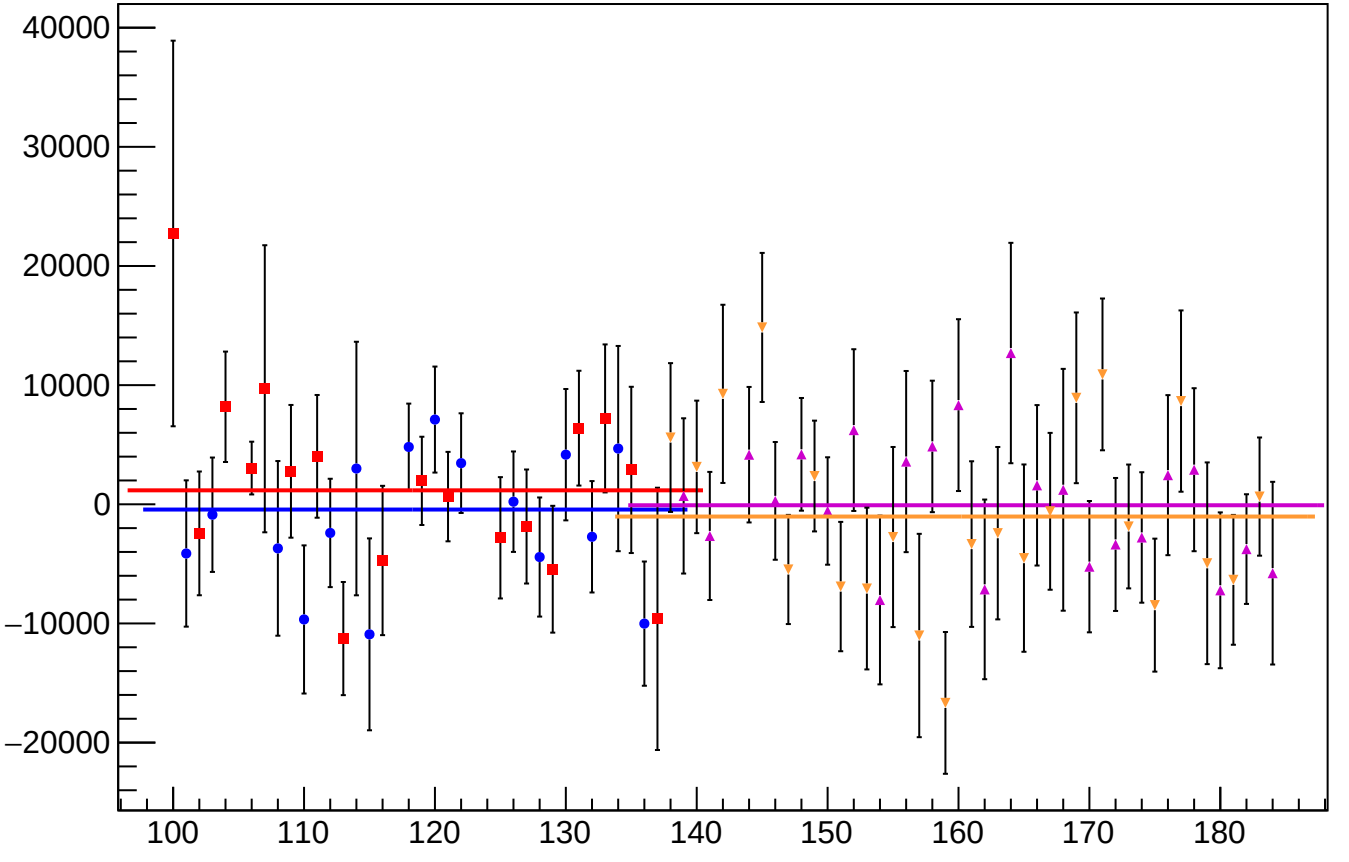
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1484.120+/-0.208 χ^2/NDF:397785.4/38

Out: 1460.164+/-0.206 χ^2/NDF:716933.0/40

All: 1471.992+/-0.146 χ^2/NDF: 1121406.5/79

asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1028.193+/-1282.063 χ^2/NDF:32.3/22

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

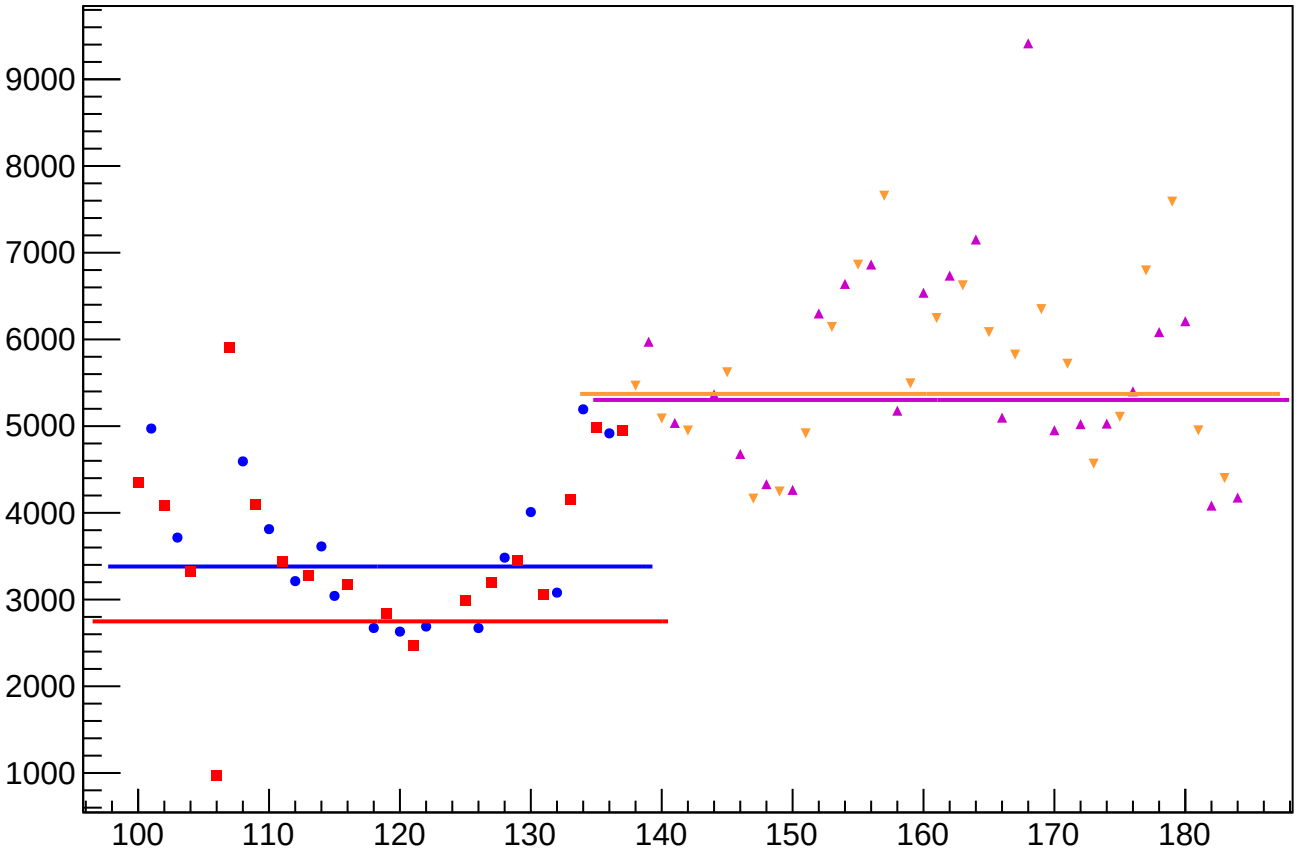
Left: -547.888+/-900.219 χ^2/NDF: 45.8/45

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: -256.513+/-904.976 χ^2/NDF:29.1/38

Out: 219.524+/-843.427 χ^2/NDF:53.6/40

All: -1.757+/-617.006 χ^2/NDF: 82.9/79



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: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

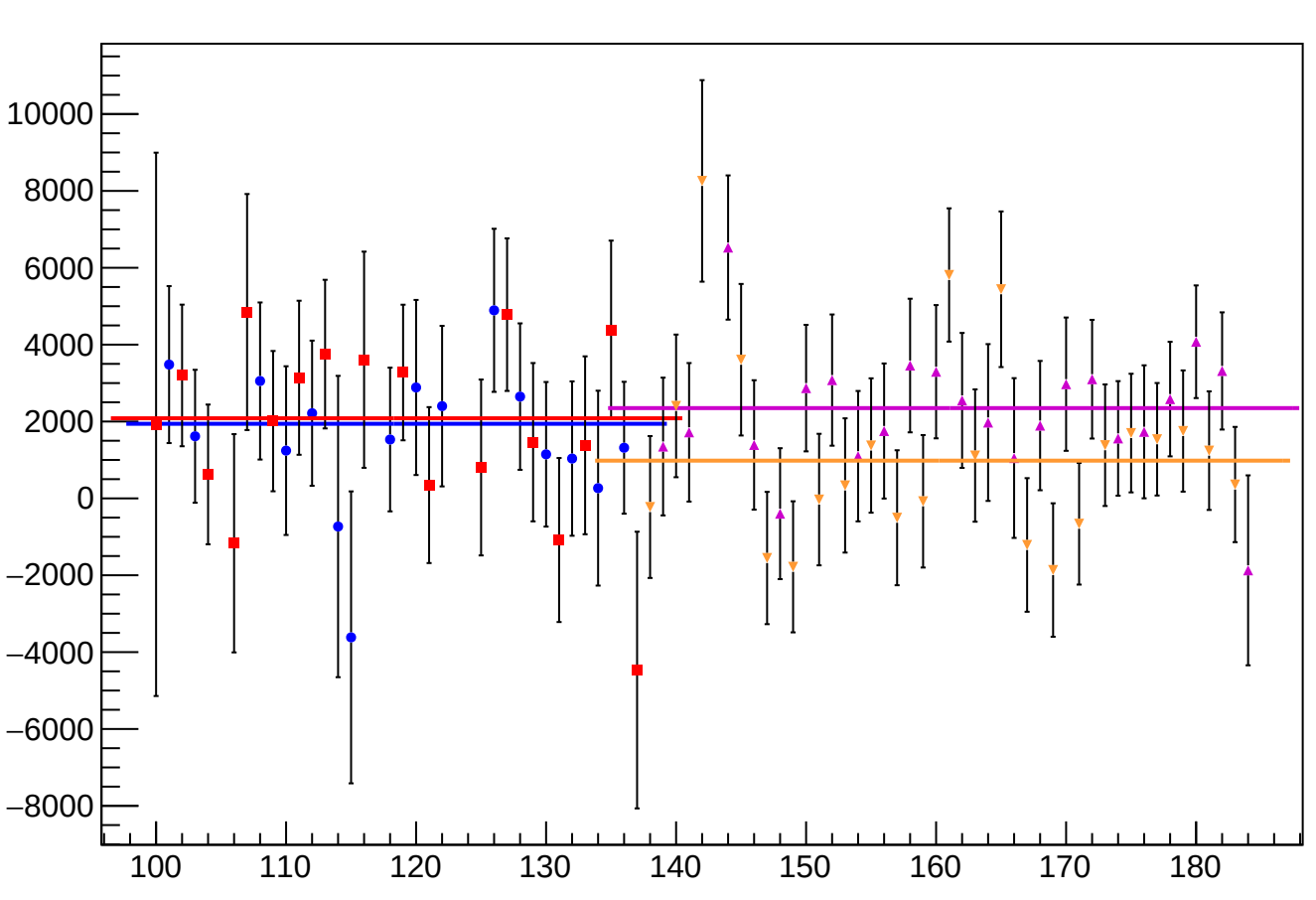
Left: 5336.359+/-0.637 χ^2/NDF: 2301644.1/45

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4365.350+/-0.640 χ^2/NDF:4265188.7/38

Out: 3883.633+/-0.596 χ^2/NDF:8055849.9/40

All: 4107.555+/-0.436 χ^2/NDF: 12624305.1/7



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: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1665.106+/-252.394 χ^2/NDF: 59.1/45

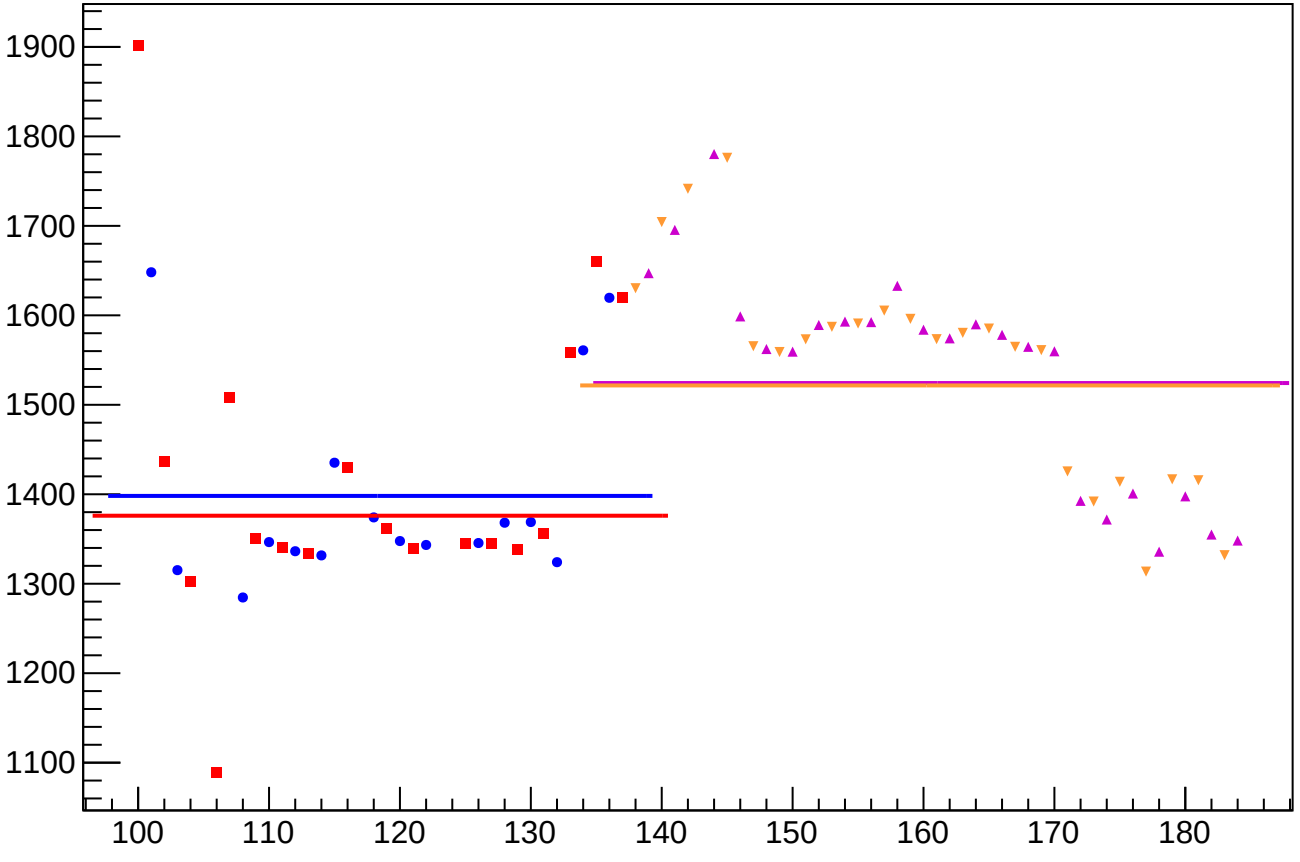
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2219.142+/-294.746 χ^2/NDF:23.3/38

Out: 1335.209+/-294.134 χ^2/NDF:53.3/40

All: 1776.257+/-208.200 χ^2/NDF: 81.1/79

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: 1524.314+/-0.252 χ^2/NDF:224321.2/22

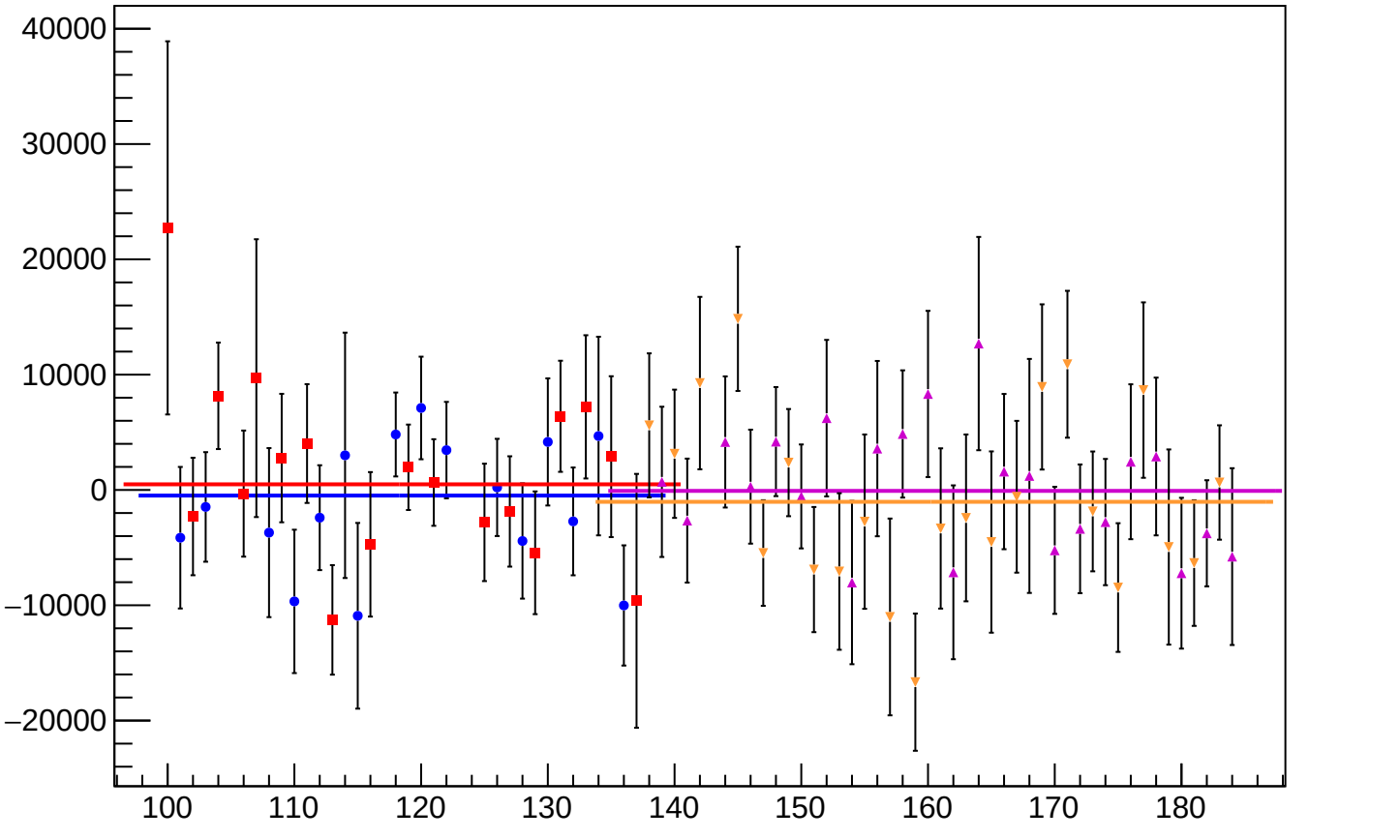
Left: 1522.980+/-0.178 χ^2/NDF: 445993.7/45

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1484.120+/-0.208 χ^2/NDF:397785.5/38

Out: 1474.128+/-0.207 χ^2/NDF:444361.8/40

All: 1479.092+/-0.147 χ^2/NDF: 843303.9/79



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: -80.689+/-1264.325 χ^2/NDF:13.2/22

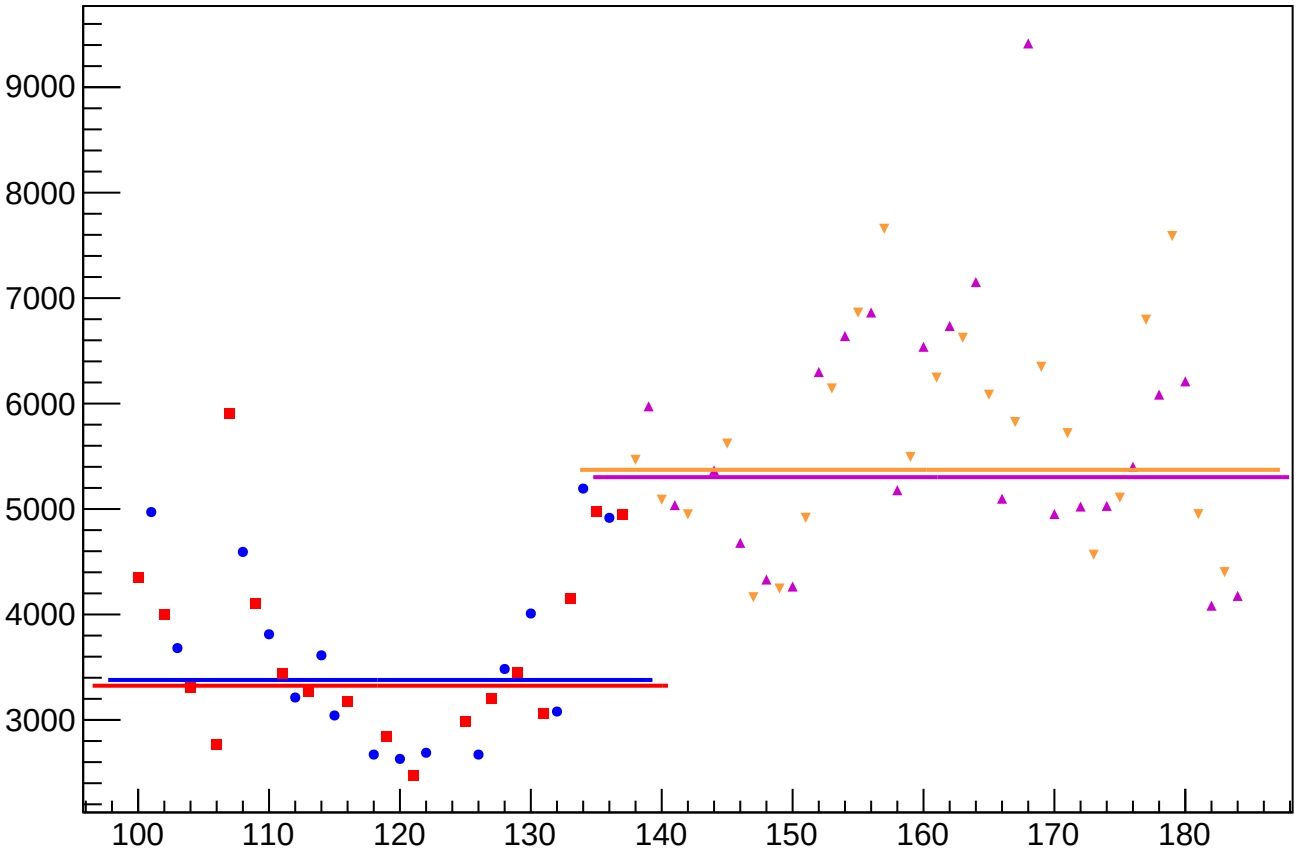
Left: -547.840+/-900.219 χ^2/NDF: 45.8/45

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -278.773+/-904.639 χ^2/NDF:29.2/38

Out: -257.426+/-899.131 χ^2/NDF:51.7/40

All: -268.034+/-637.720 χ^2/NDF: 80.9/79



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: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

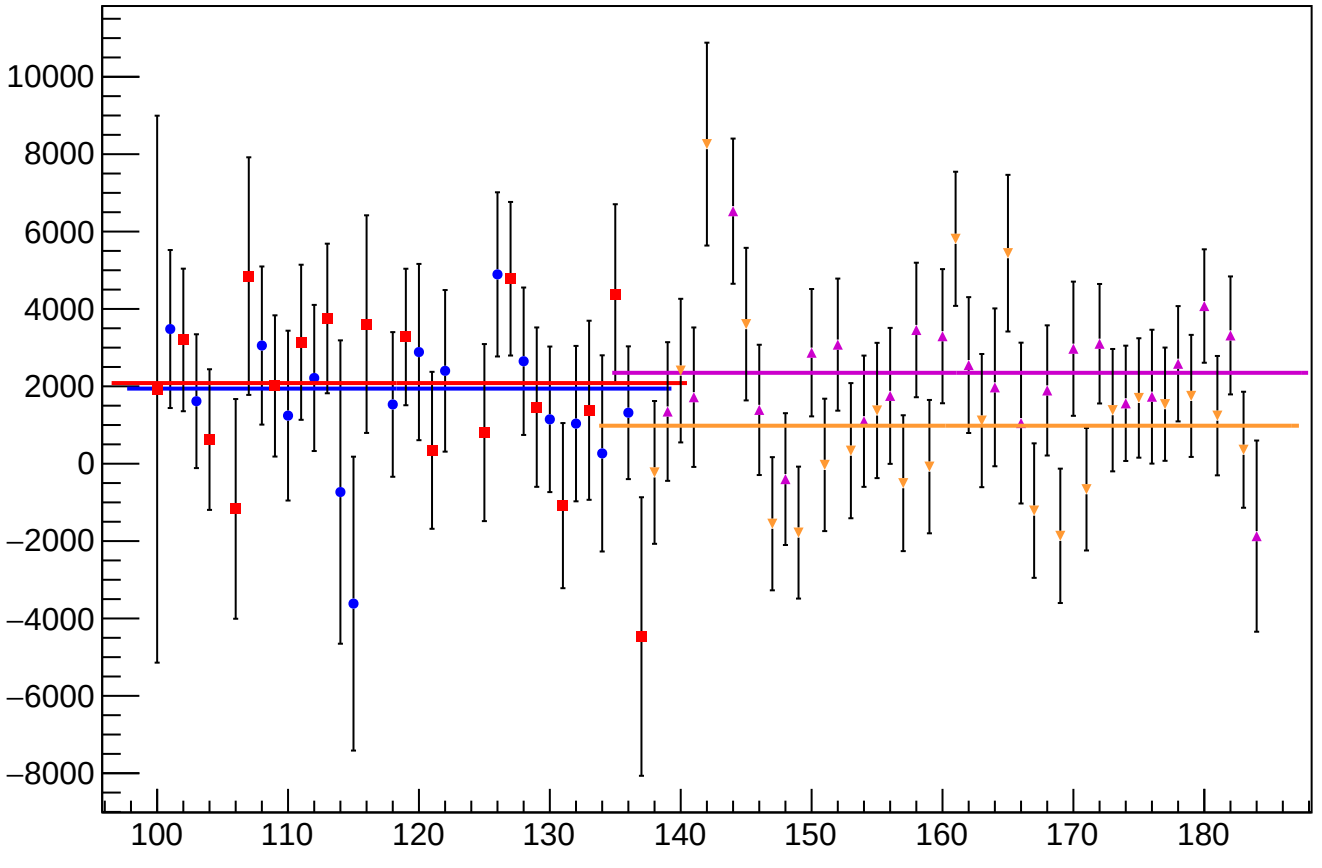
Left: 5336.357+/-0.637 χ^2/NDF: 2301655.0/45

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4363.637+/-0.640 χ^2/NDF:4269847.6/38

Out: 4331.278+/-0.636 χ^2/NDF:4177179.9/40

All: 4347.359+/-0.451 χ^2/NDF: 8448314.9/79



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: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1665.106+/-252.394 χ^2/NDF: 59.1/45

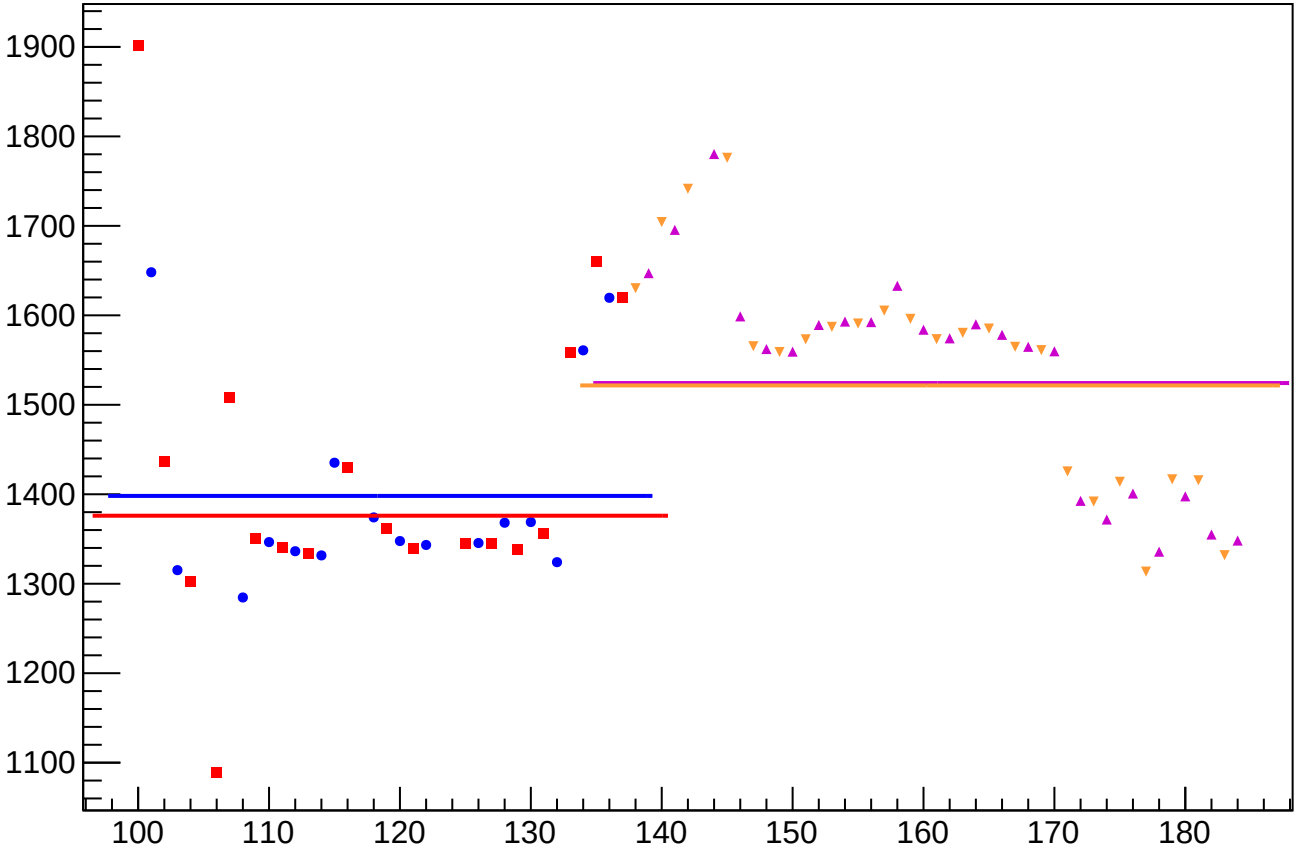
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2219.142+/-294.746 χ^2/NDF:23.3/38

Out: 1335.209+/-294.134 χ^2/NDF:53.3/40

All: 1776.257+/-208.200 χ^2/NDF: 81.1/79

eigen_cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1521.648+/-0.252 χ^2/NDF:221616.7/22

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1522.980+/-0.178 χ^2/NDF: 445993.7/45

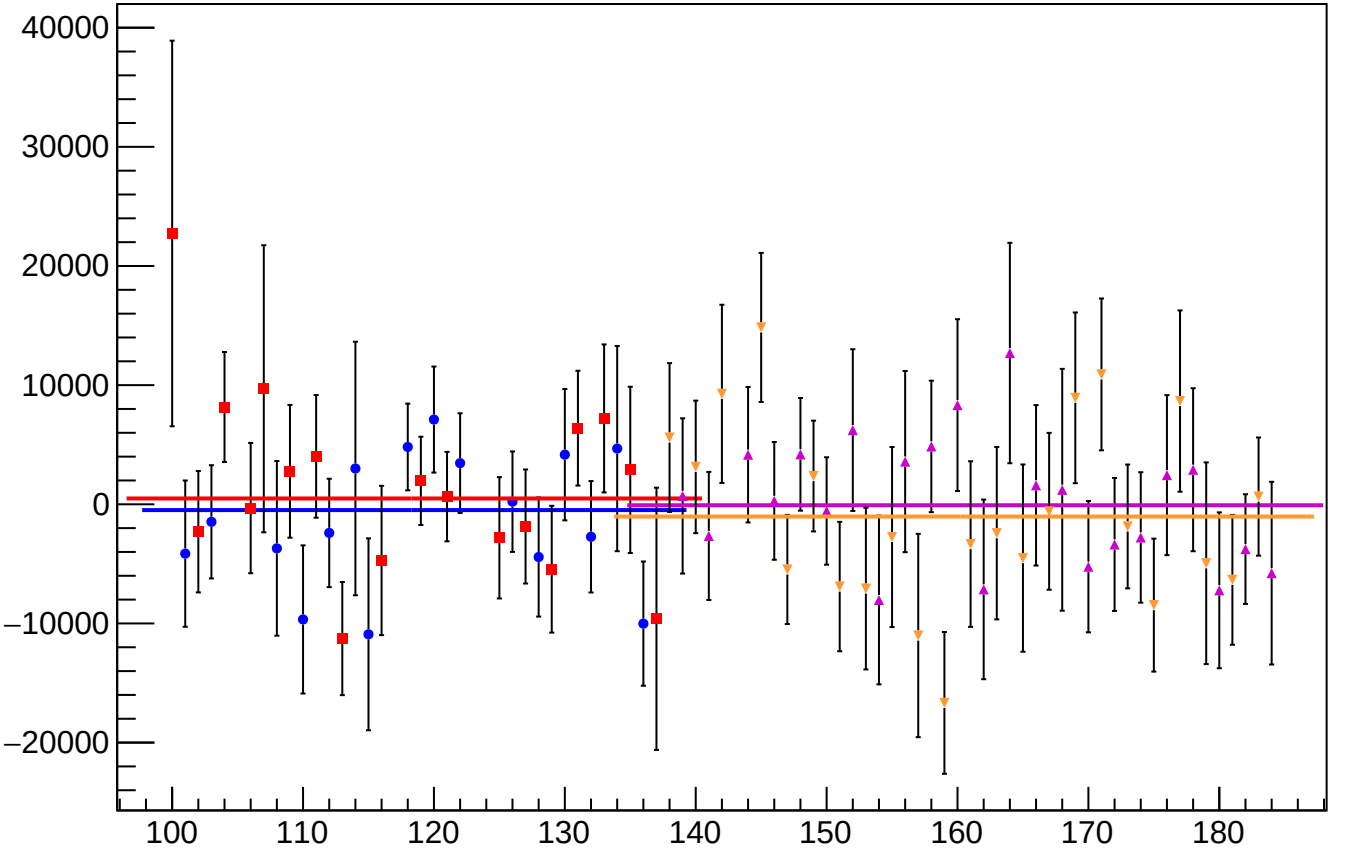
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1484.120+/-0.208 χ^2/NDF:397785.5/38

Out: 1474.128+/-0.207 χ^2/NDF:444361.8/40

All: 1479.092+/-0.147 χ^2/NDF: 843303.9/79

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: -80.689+/-1264.325 χ^2/NDF:13.2/22

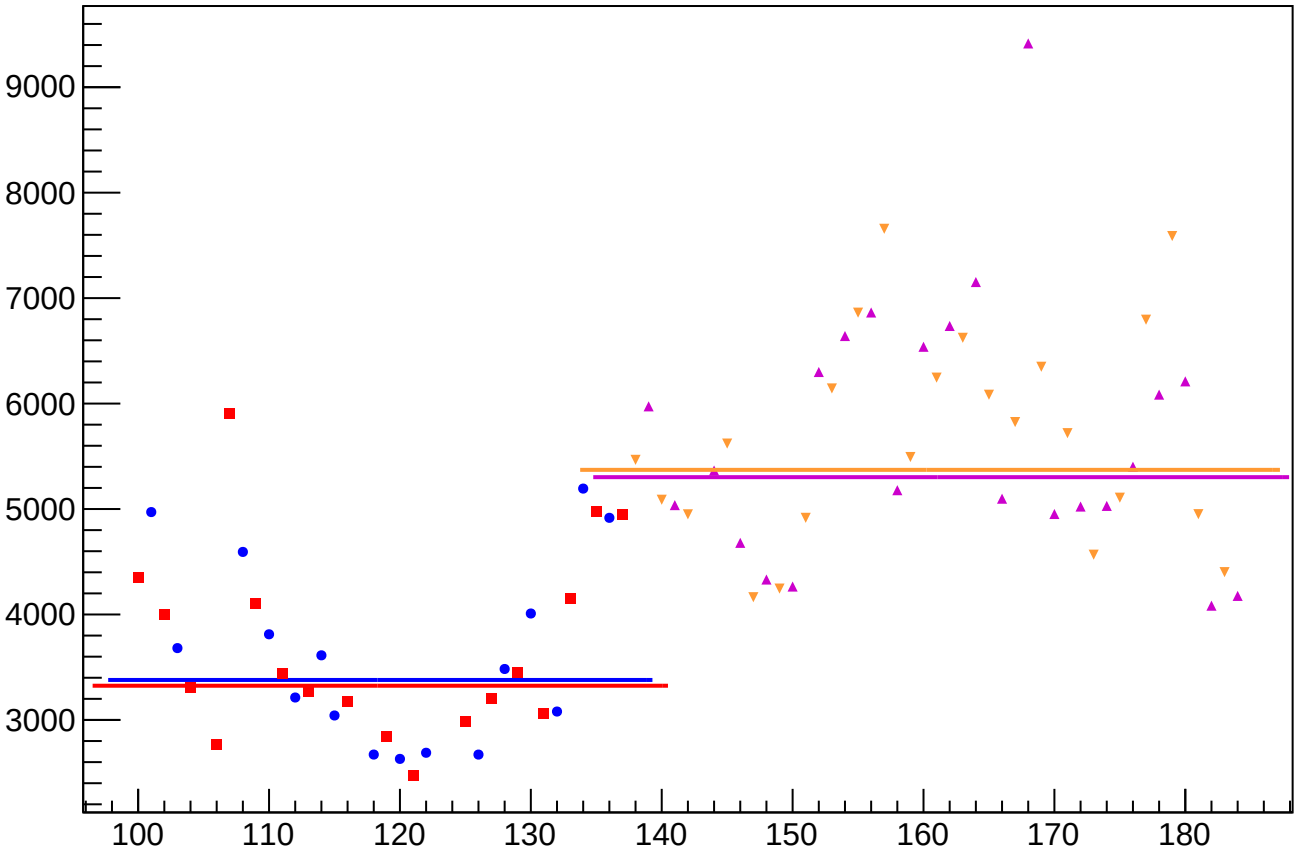
Left: -547.840+/-900.219 χ^2/NDF: 45.8/45

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -278.773+/-904.639 χ^2/NDF:29.2/38

Out: -257.426+/-899.131 χ^2/NDF:51.7/40

All: -268.034+/-637.720 χ^2/NDF: 80.9/79



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: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

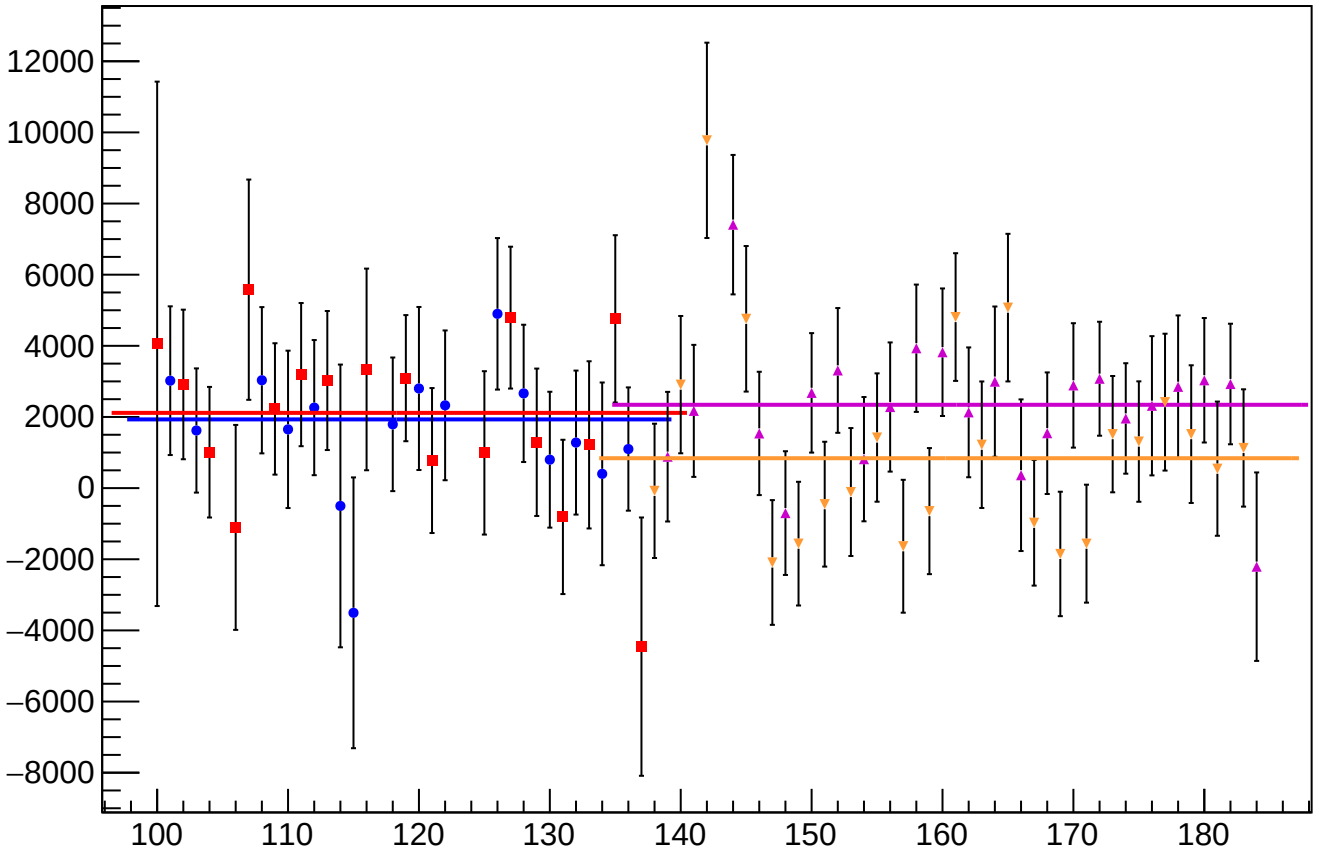
Left: 5336.357+/-0.637 χ^2/NDF: 2301655.0/45

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4363.637+/-0.640 χ^2/NDF:4269847.6/38

Out: 4331.278+/-0.636 χ^2/NDF:4177179.9/40

All: 4347.359+/-0.451 χ^2/NDF: 8448314.9/79



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: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1596.390+/-268.256 χ^2/NDF: 65.3/45

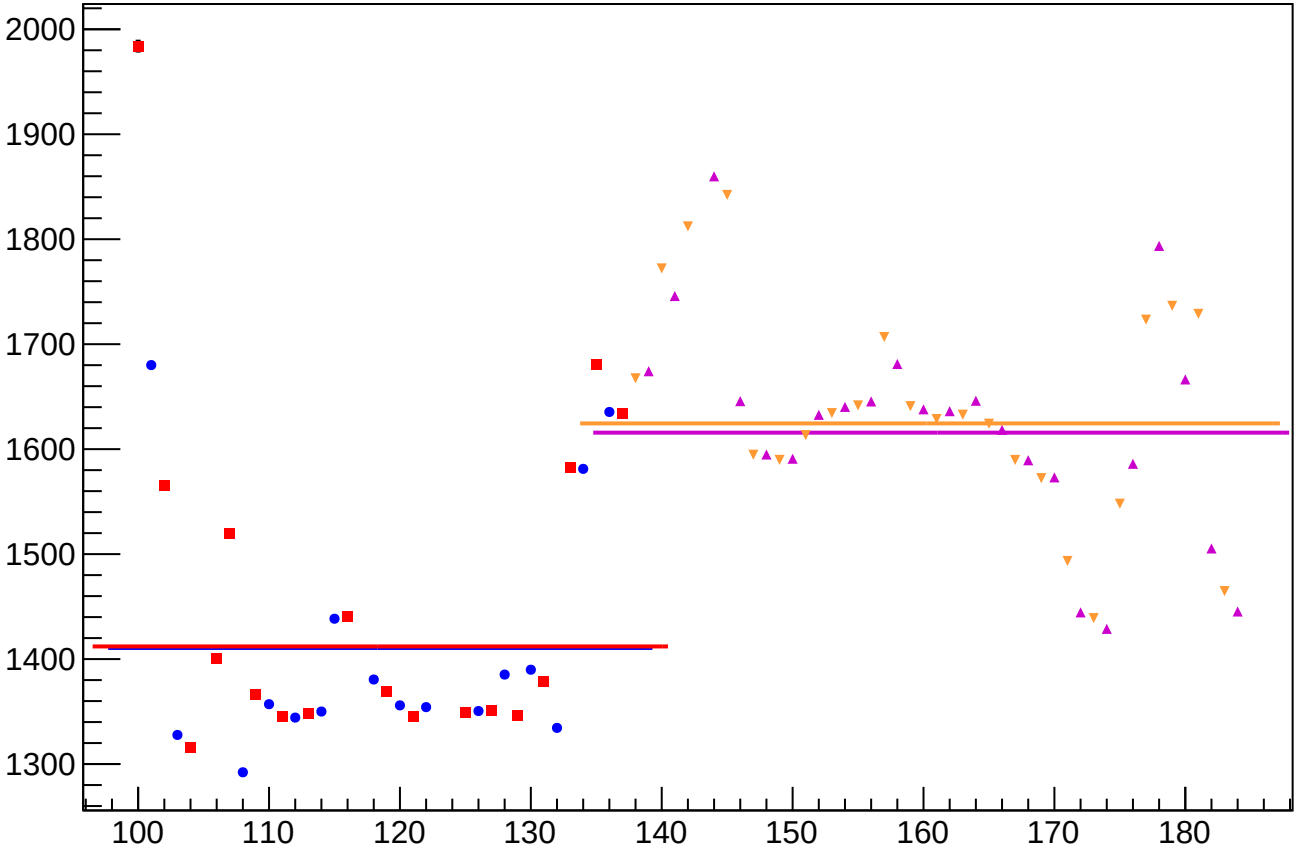
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2202.756+/-307.245 χ^2/NDF:24.8/38

Out: 1275.531+/-308.931 χ^2/NDF:56.5/40

All: 1741.680+/-217.849 χ^2/NDF: 85.8/79

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: 1615.705+/-0.267 χ^2/NDF:137139.2/22

Left: 1620.081+/-0.190 χ^2/NDF: 269949.9/45

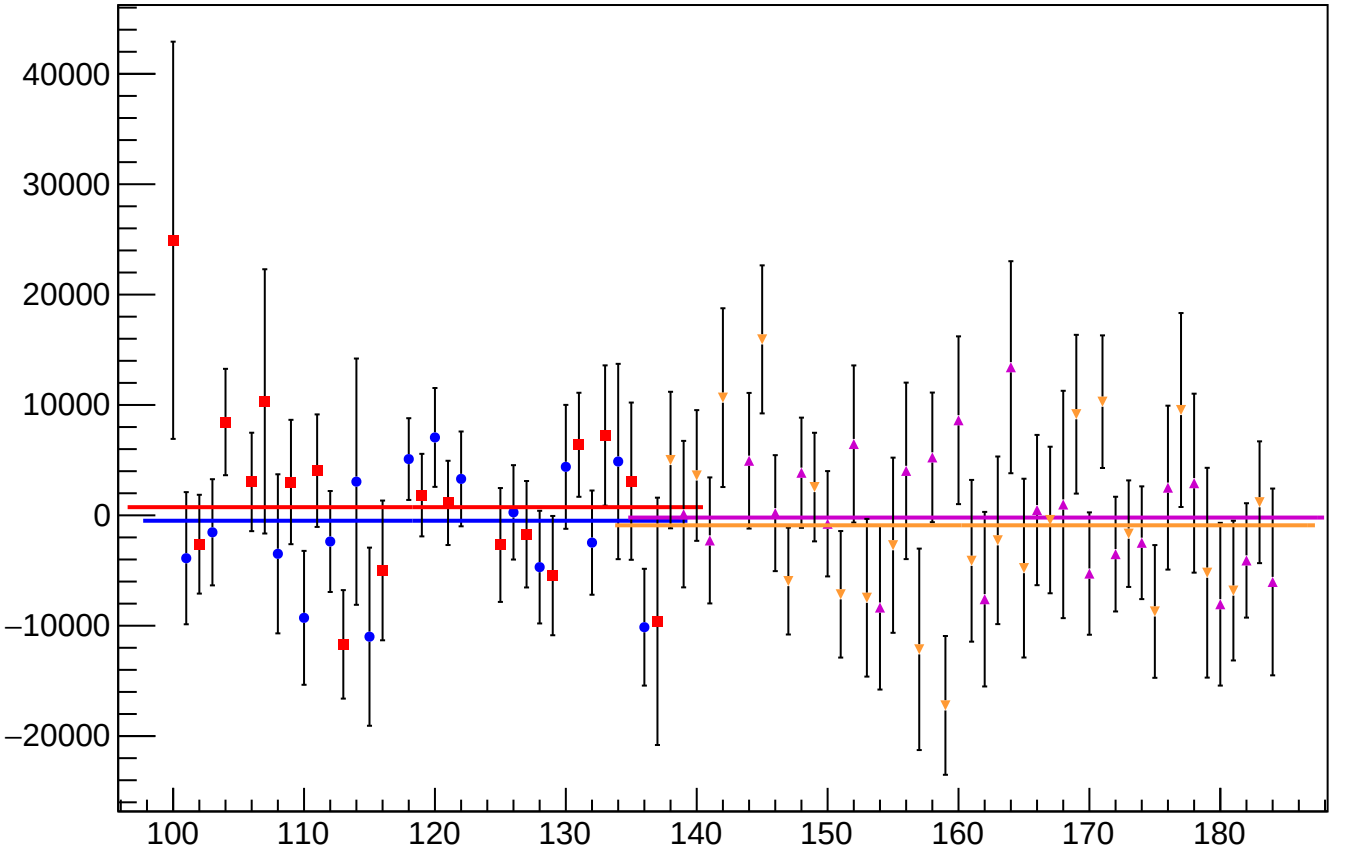
Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1546.024+/-0.217 χ^2/NDF:436220.9/38

Out: 1551.745+/-0.218 χ^2/NDF:435399.8/40

All: 1548.871+/-0.154 χ^2/NDF: 871965.8/79

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: -201.662+/-1326.173 χ^2/NDF:12.9/22

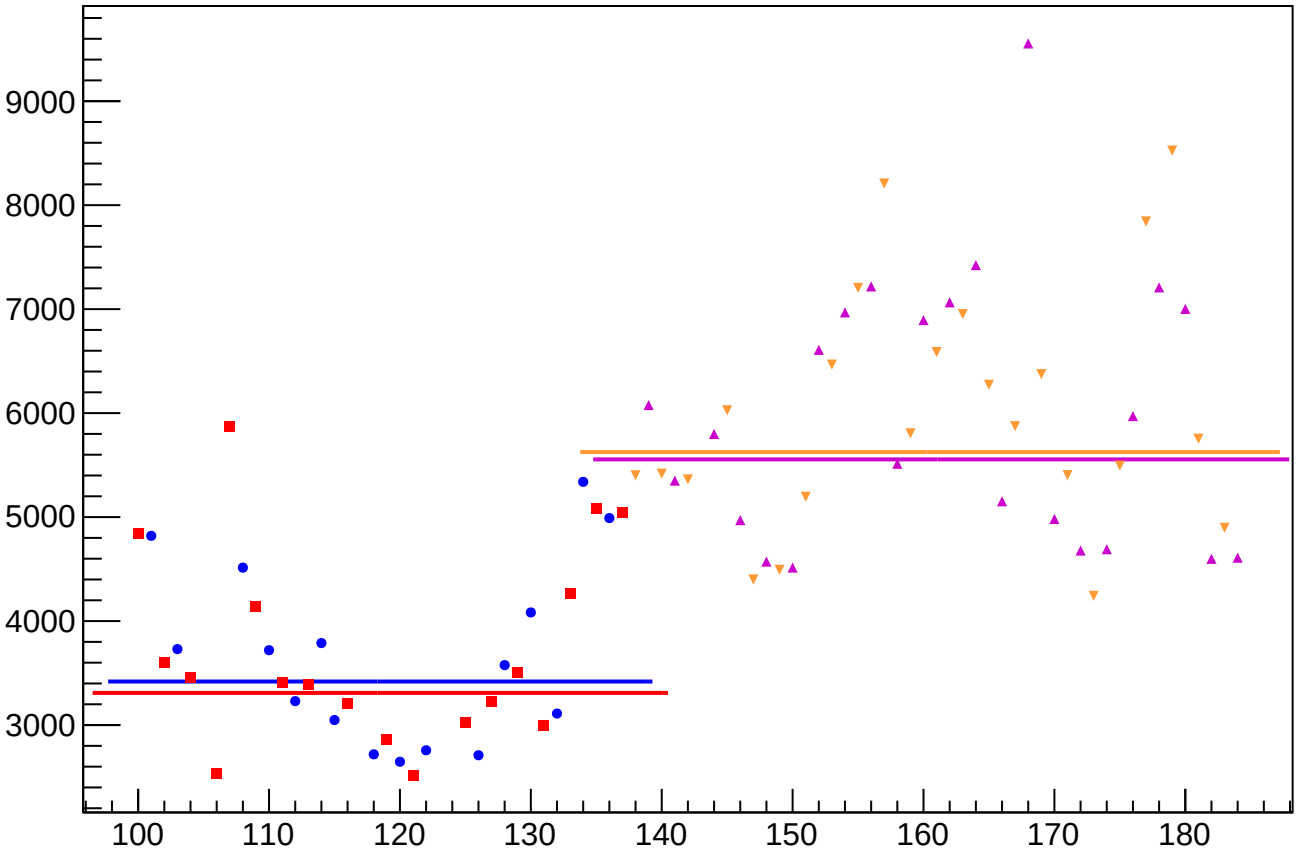
Left: -547.322+/-944.368 χ^2/NDF: 45.0/45

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -347.441+/-931.504 χ^2/NDF:28.8/38

Out: -19.671+/-914.853 χ^2/NDF:52.0/40

All: -180.601+/-652.706 χ^2/NDF: 80.8/79



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: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

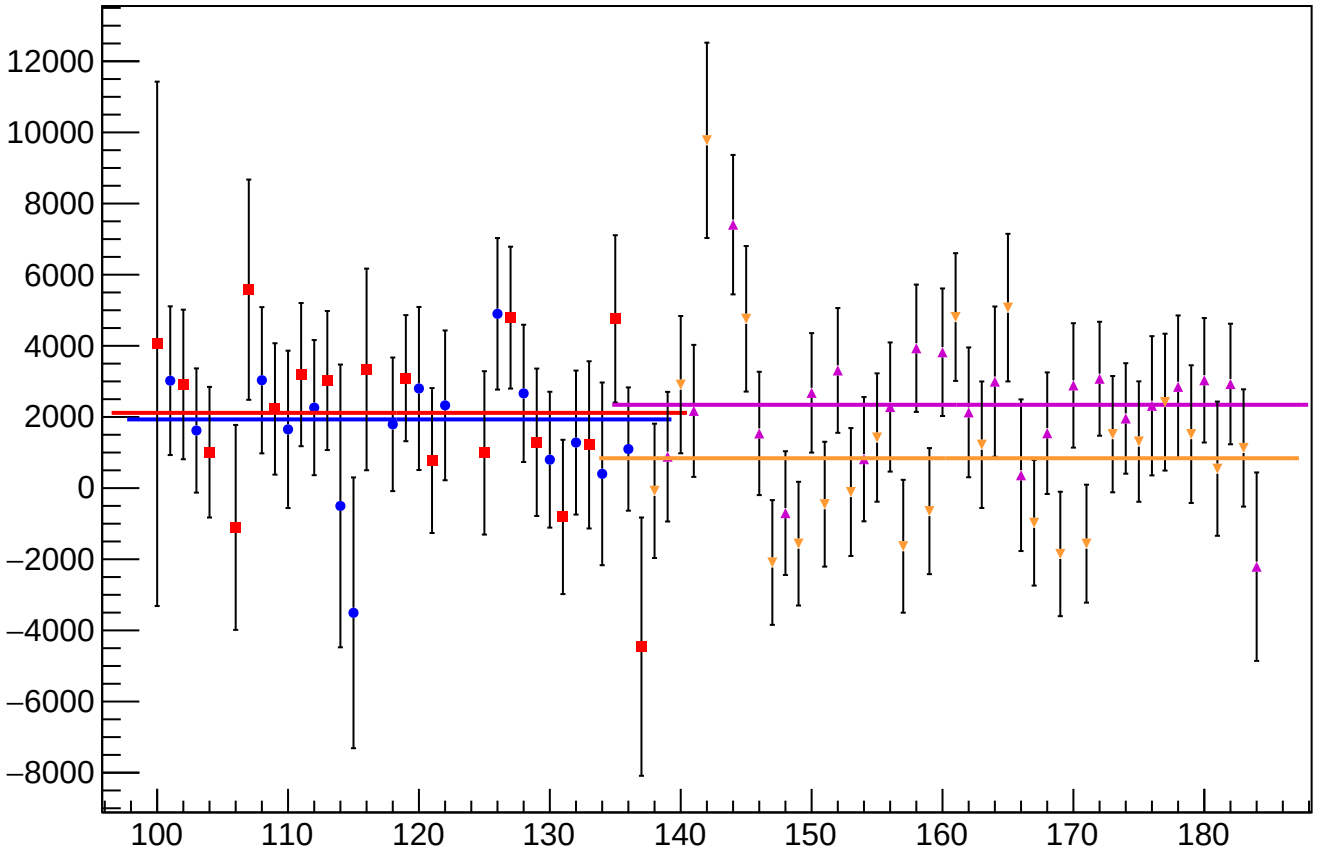
Left: 5589.747+/-0.668 χ^2/NDF: 2514193.5/45

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4472.641+/-0.659 χ^2/NDF:4683354.6/38

Out: 4380.669+/-0.647 χ^2/NDF:4938059.5/40

All: 4425.825+/-0.462 χ^2/NDF: 9631338.6/79



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: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1596.388+/-268.256 χ^2/NDF: 65.3/45

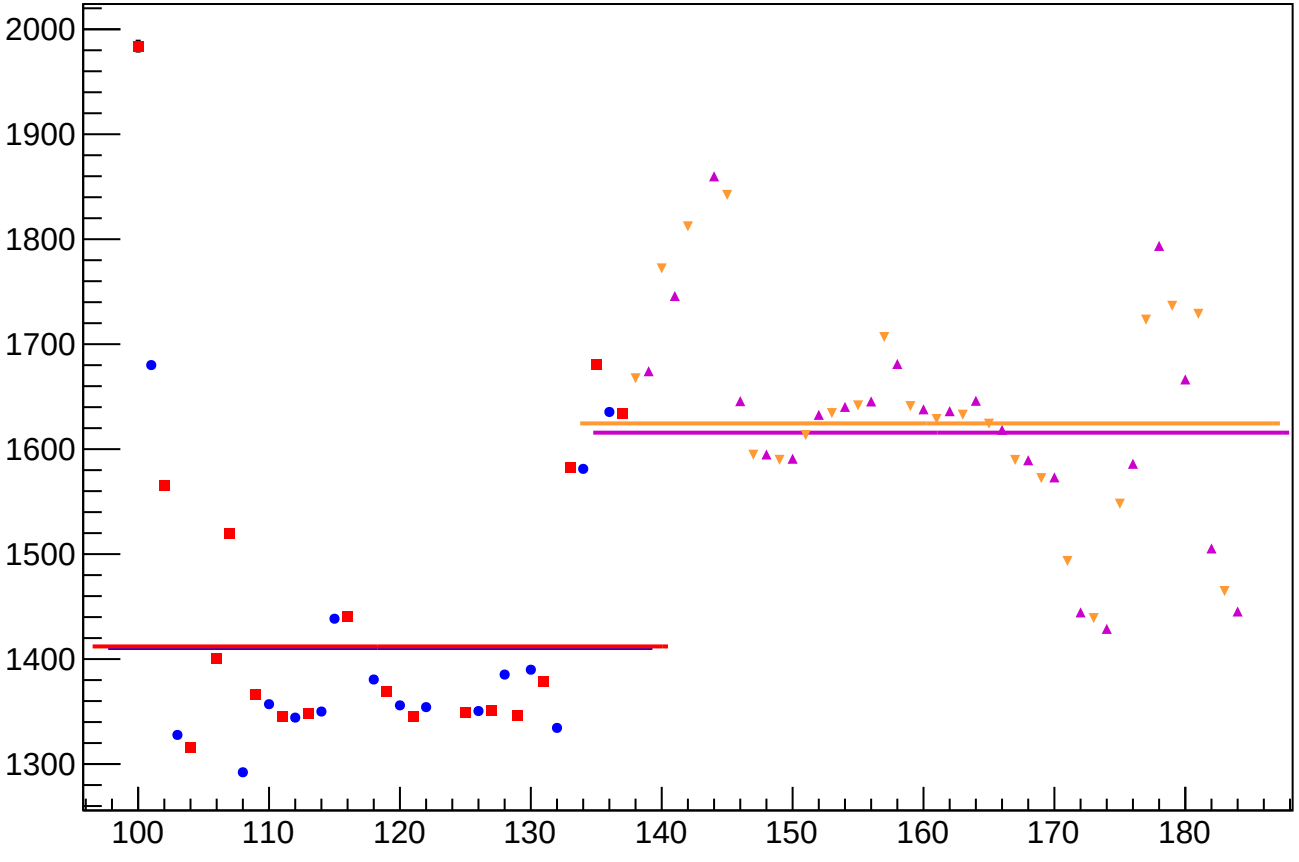
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2202.756+/-307.245 χ^2/NDF:24.8/38

Out: 1275.528+/-308.931 χ^2/NDF:56.5/40

All: 1741.678+/-217.849 χ^2/NDF: 85.8/79

eigen_dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1624.517+/-0.269 χ^2/NDF:132276.5/22

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1620.082+/-0.190 χ^2/NDF: 269959.9/45

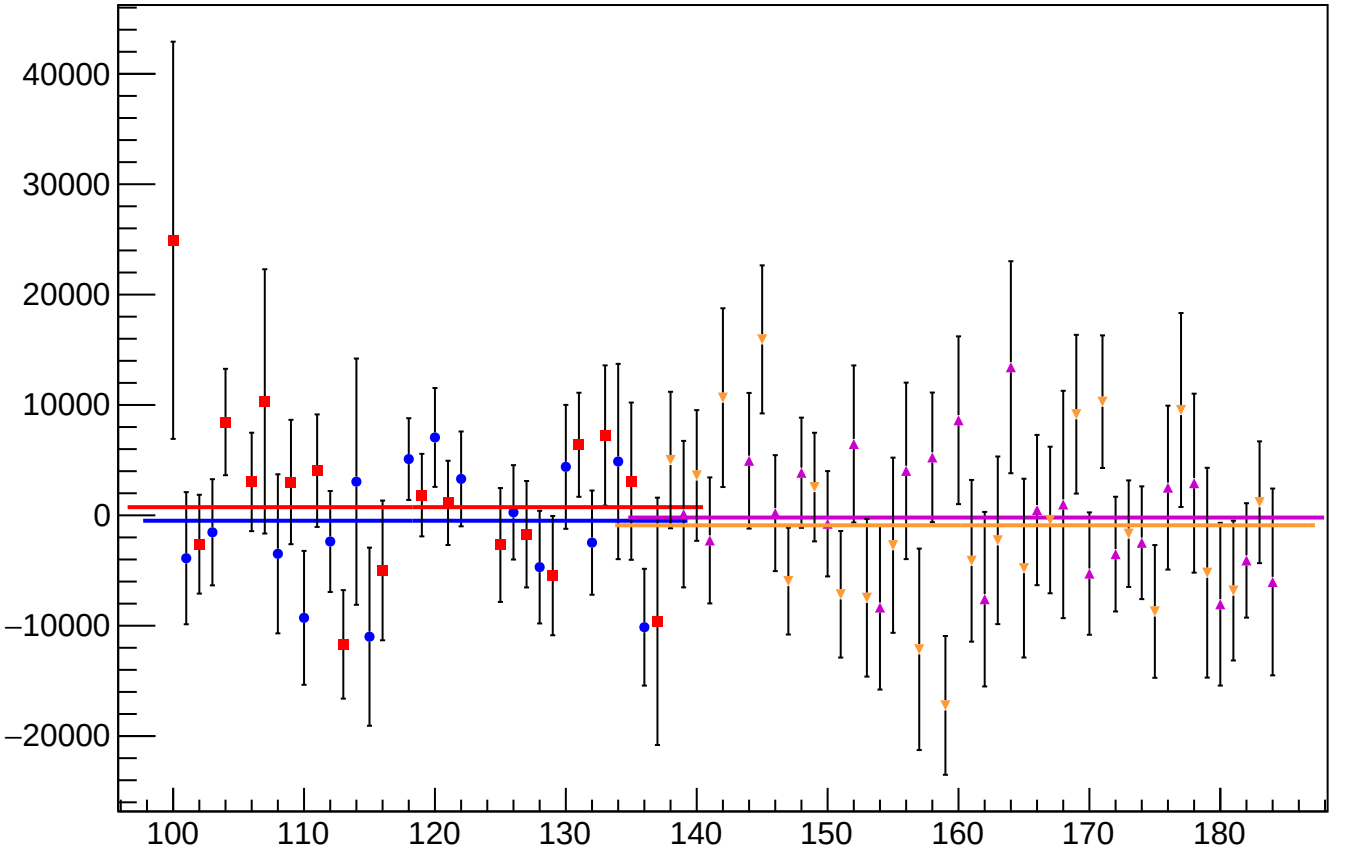
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1546.025+/-0.217 χ^2/NDF:436227.9/38

Out: 1551.746+/-0.218 χ^2/NDF:435407.8/40

All: 1548.872+/-0.154 χ^2/NDF: 871980.8/79

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: -201.663+/-1326.175 χ^2/NDF:12.9/22

Left: -547.325+/-944.369 χ^2/NDF: 45.0/45

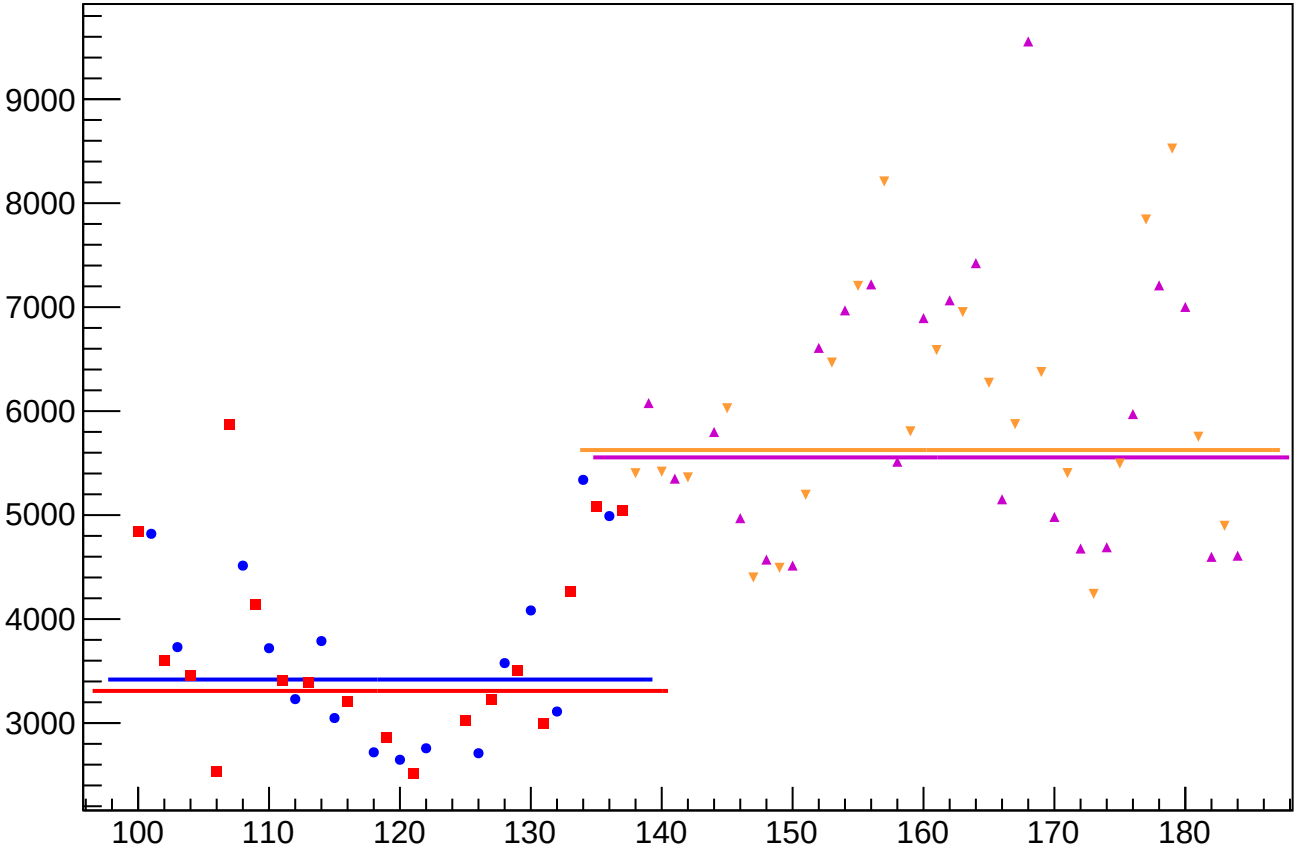
Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -347.439+/-931.503 χ^2/NDF:28.8/38

Out: -19.669+/-914.852 χ^2/NDF:52.0/40

All: -180.598+/-652.706 χ^2/NDF: 80.8/79

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5625.576+/-0.951 χ^2/NDF:1178426.9/22

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

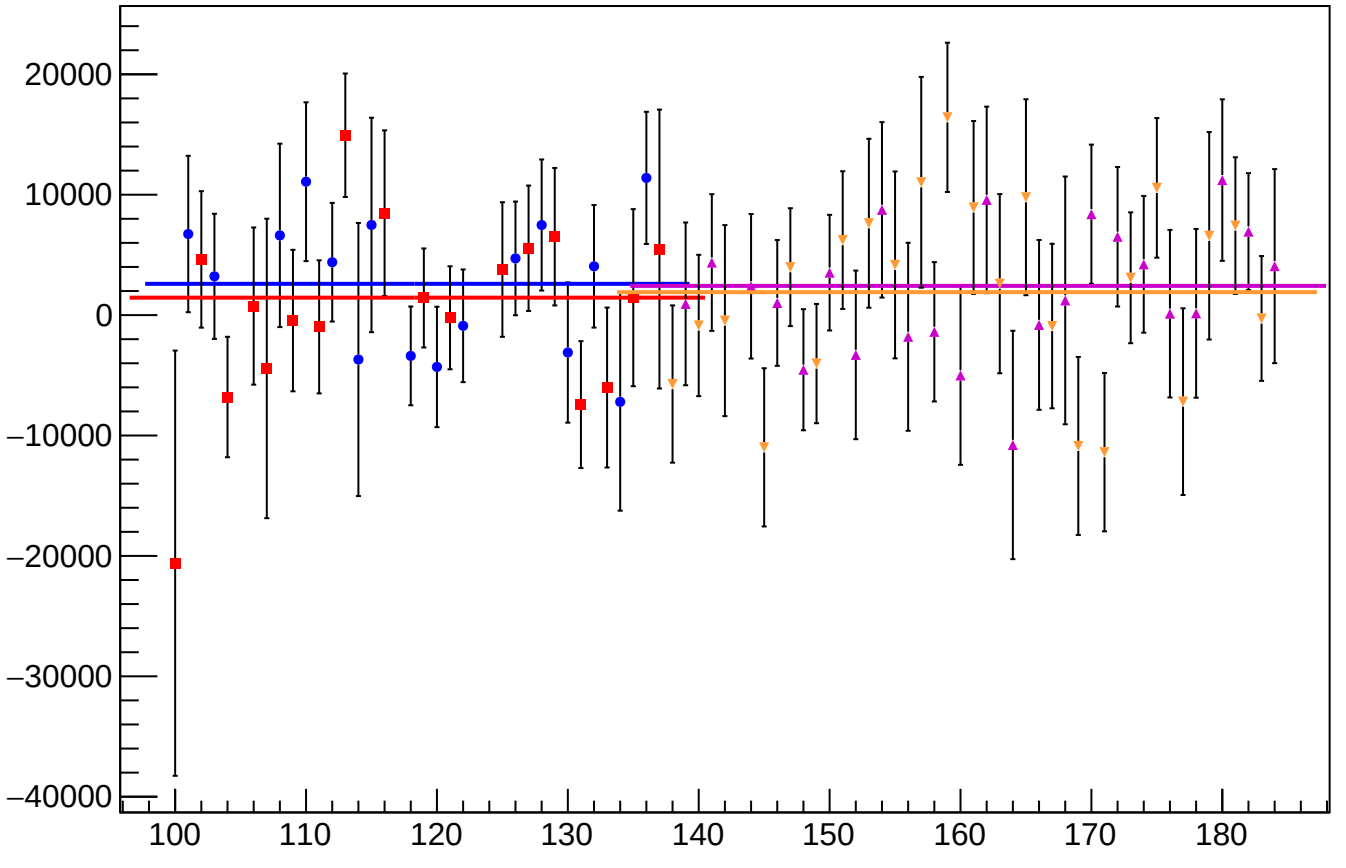
Left: 5589.755+/-0.668 χ^2/NDF: 2514196.1/45

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4472.634+/-0.659 χ^2/NDF:4683416.5/38

Out: 4380.662+/-0.647 χ^2/NDF:4938119.3/40

All: 4425.819+/-0.462 χ^2/NDF: 9631460.2/79



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: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2170.228+/-940.331 χ^2/NDF: 42.2/45

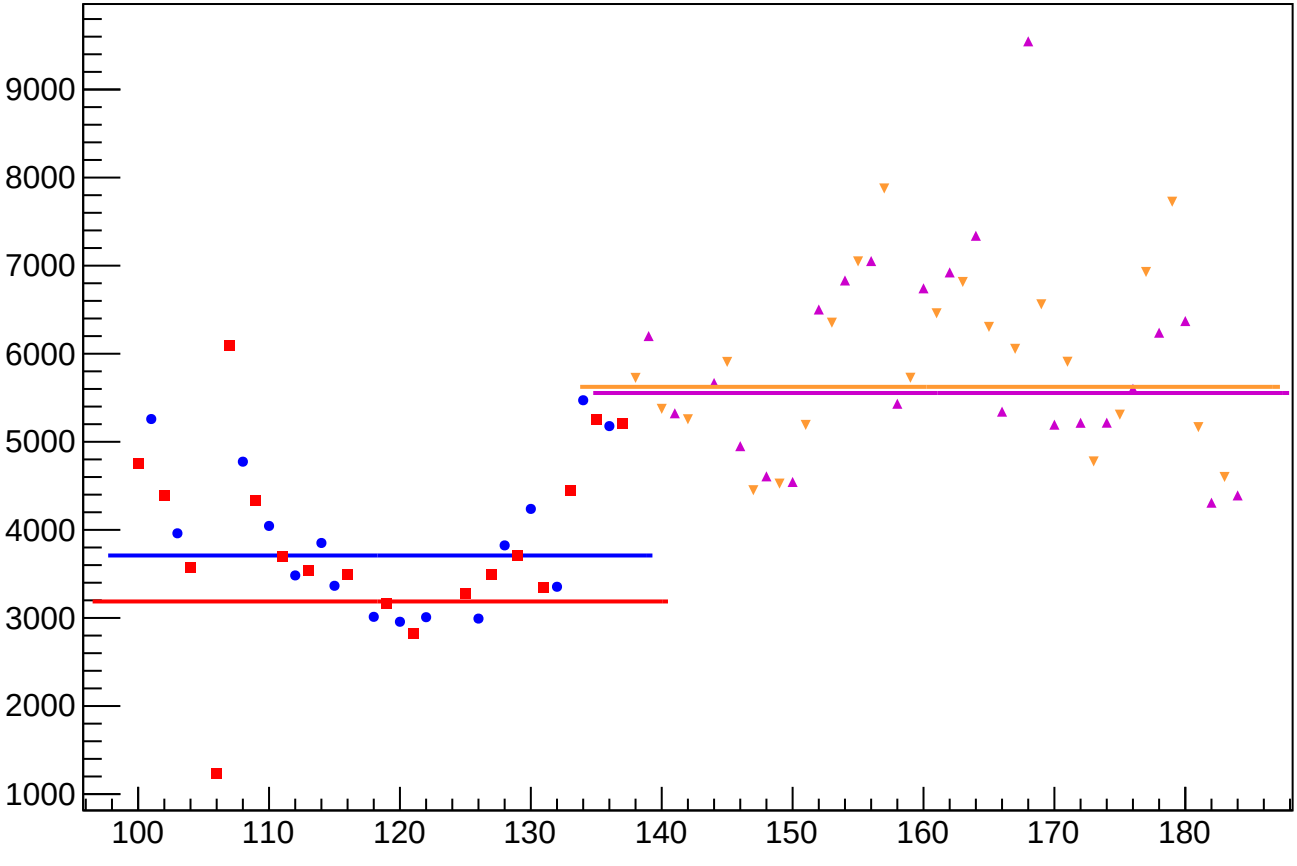
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2507.988+/-965.482 χ^2/NDF:26.4/38

Out: 1685.301+/-961.842 χ^2/NDF:48.4/40

All: 2095.091+/-681.408 χ^2/NDF: 75.1/79

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: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

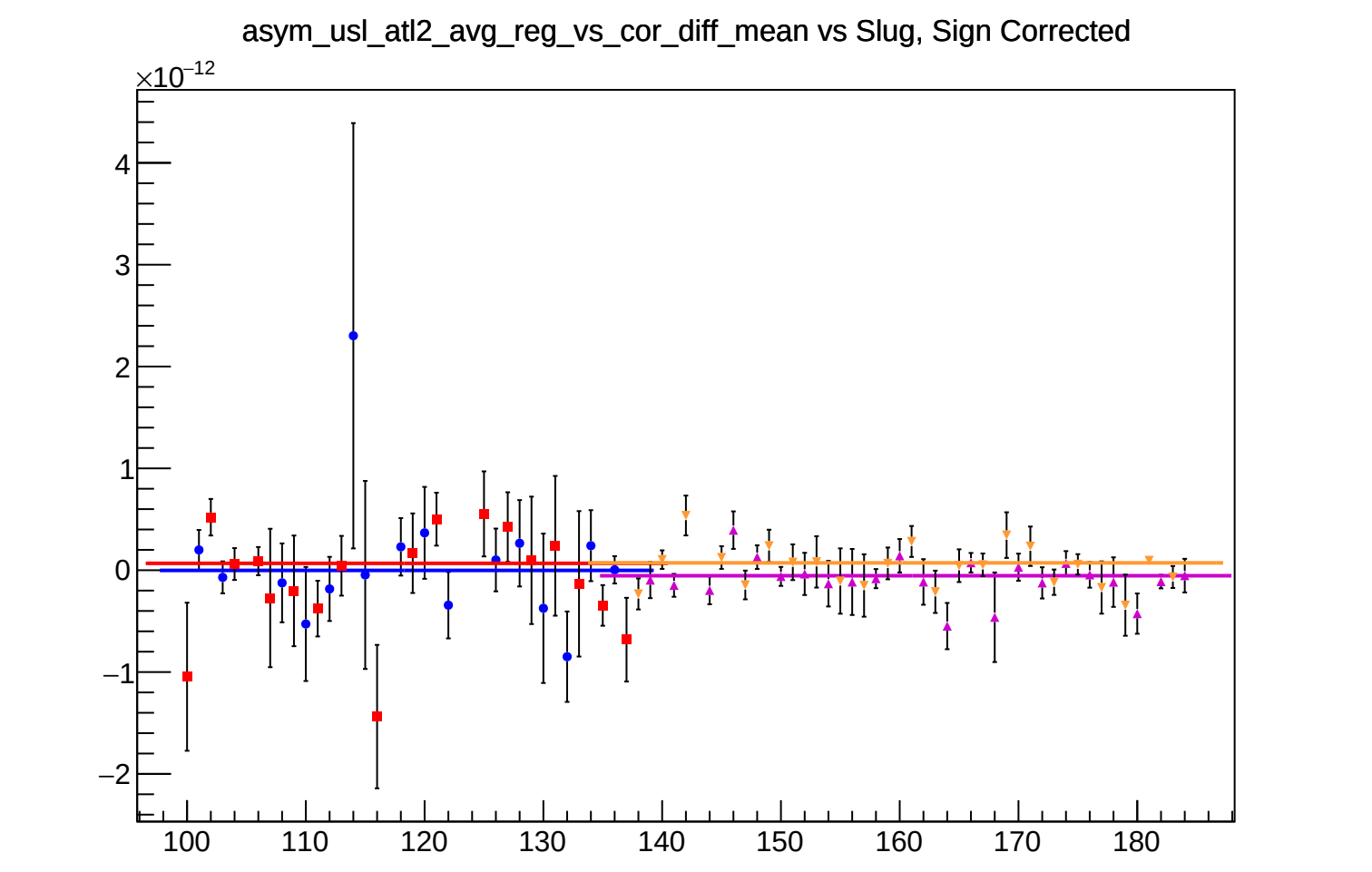
Left: 5588.505+/-0.665 χ^2/NDF: 2030954.9/45

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4694.532+/-0.683 χ^2/NDF:3540011.9/38

Out: 4338.032+/-0.651 χ^2/NDF:6023234.1/40

All: 4507.696+/-0.471 χ^2/NDF: 9706155.4/79



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

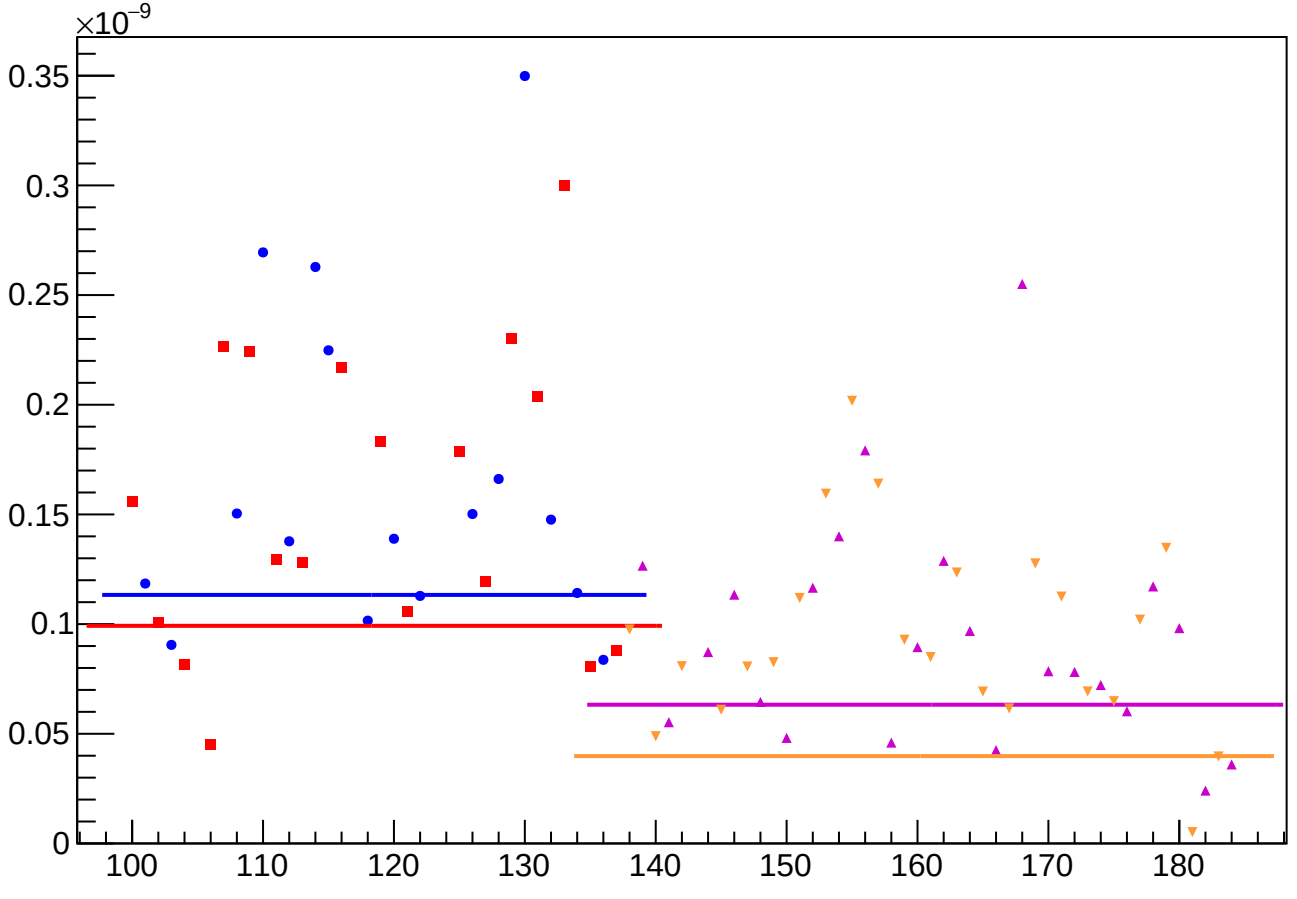
Left: 0.000+/-0.000 χ^2/NDF: 65.6/45

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:37.0/38

Out: 0.000+/-0.000 χ^2/NDF:57.3/40

All: 0.000+/-0.000 χ^2/NDF: 106.8/79



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:2922990.6/22

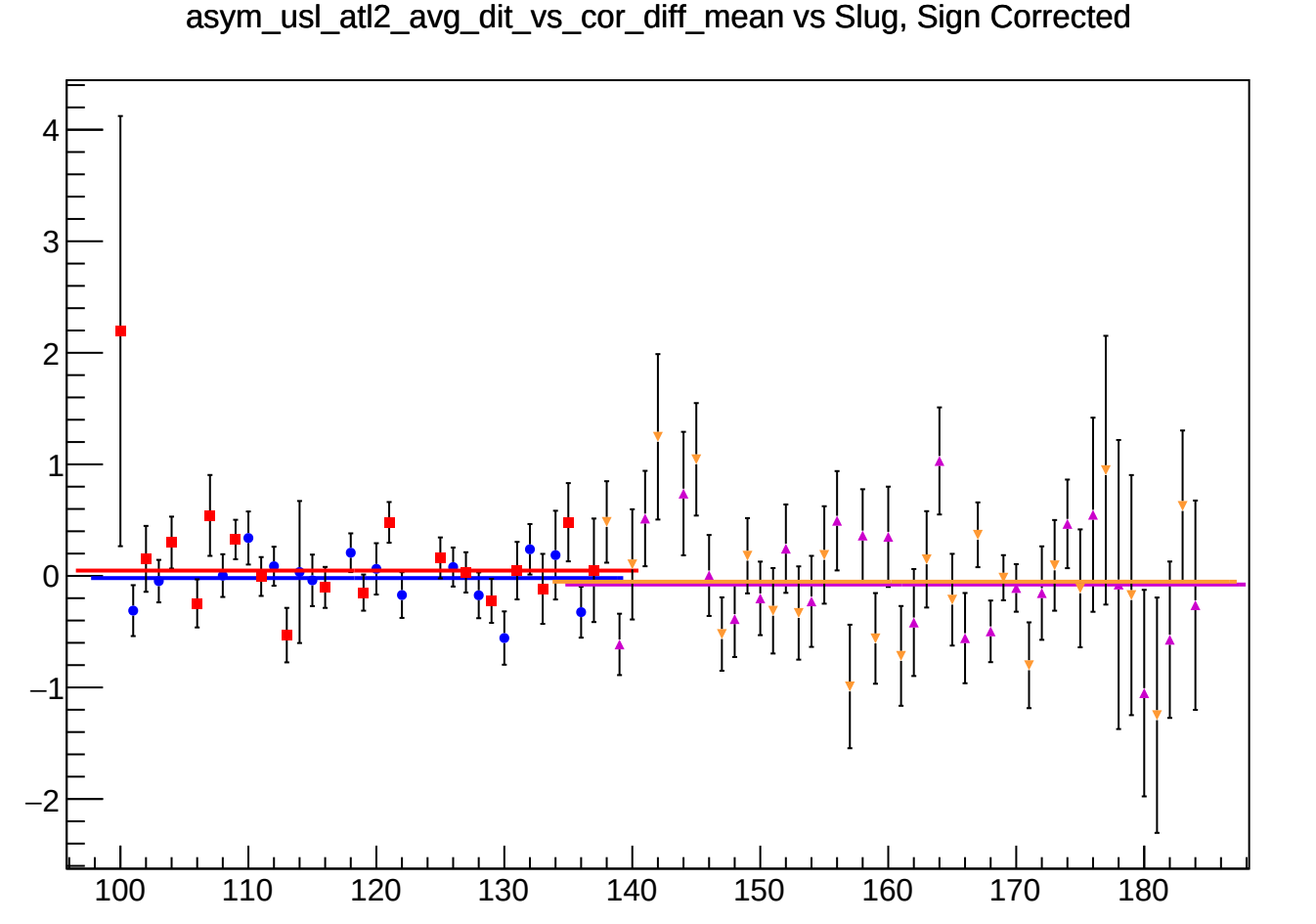
Left: 0.000+/-0.000 χ^2/NDF: 10728478.5/45

Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:4451366.2/38

Out: 0.000+/-0.000 χ^2/NDF:9515008.8/40

All: 0.000+/-0.000 χ^2/NDF: 15009992.6/79



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: -0.077+/-0.083 χ^2/NDF:27.0/22

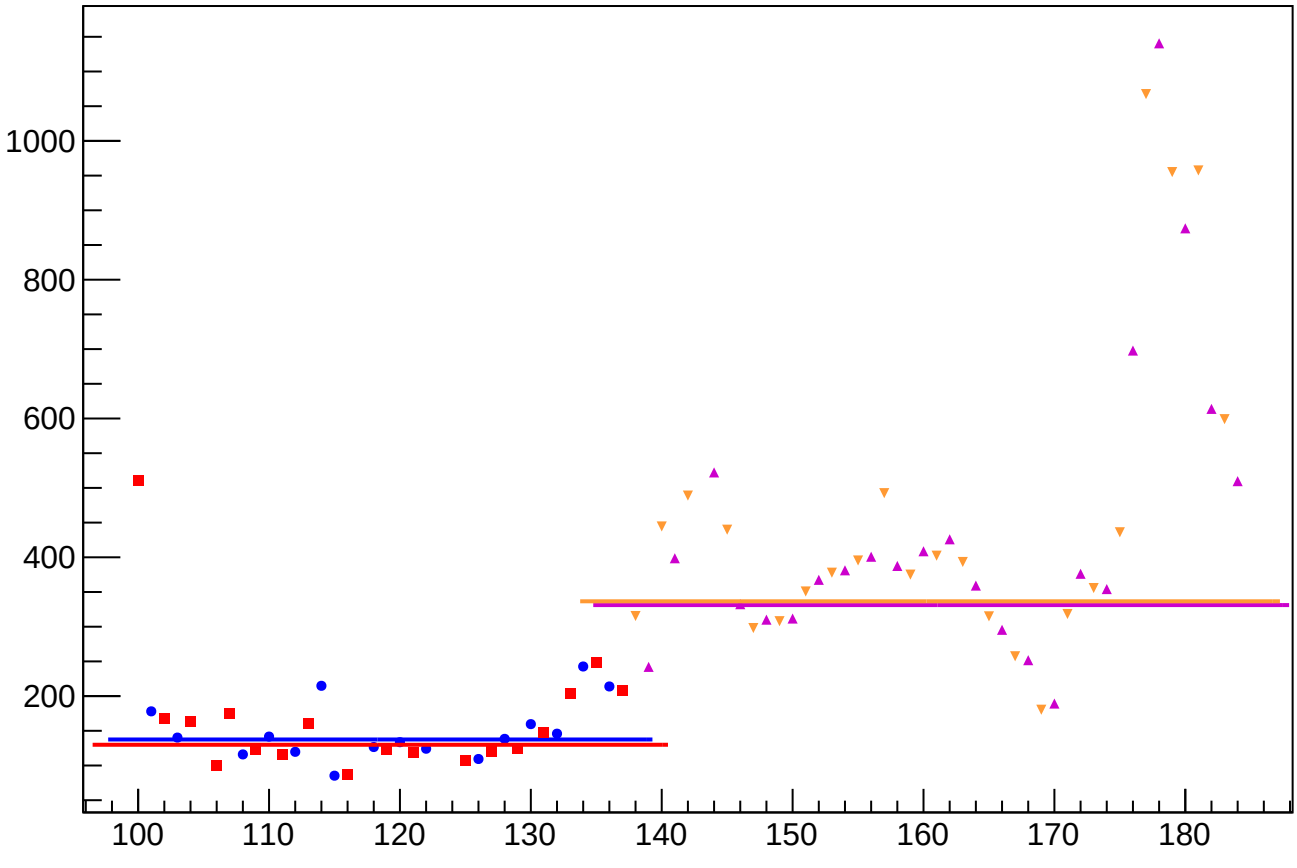
Left: -0.065+/-0.060 χ^2/NDF: 56.9/45

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.037+/-0.045 χ^2/NDF:43.4/38

Out: 0.021+/-0.045 χ^2/NDF:57.1/40

All: -0.008+/-0.032 χ^2/NDF: 101.3/79



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: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 333.810+/-0.042 χ^2/NDF: 8552762.0/45

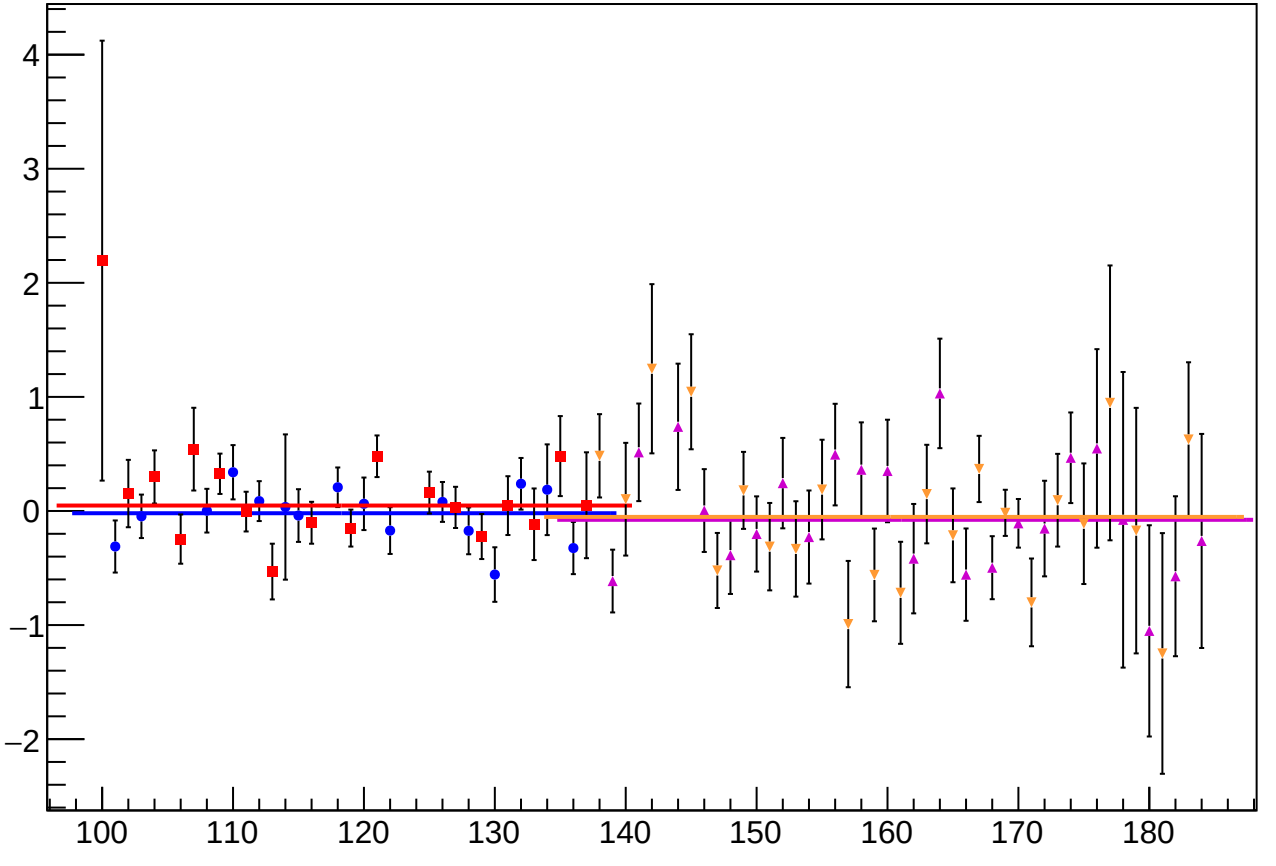
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 194.994+/-0.032 χ^2/NDF:12379912.1/38

Out: 186.258+/-0.032 χ^2/NDF:13733330.3/40

All: 190.560+/-0.023 χ^2/NDF: 26150742.2/79

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: -0.077+/-0.083 χ^2/NDF:27.0/22

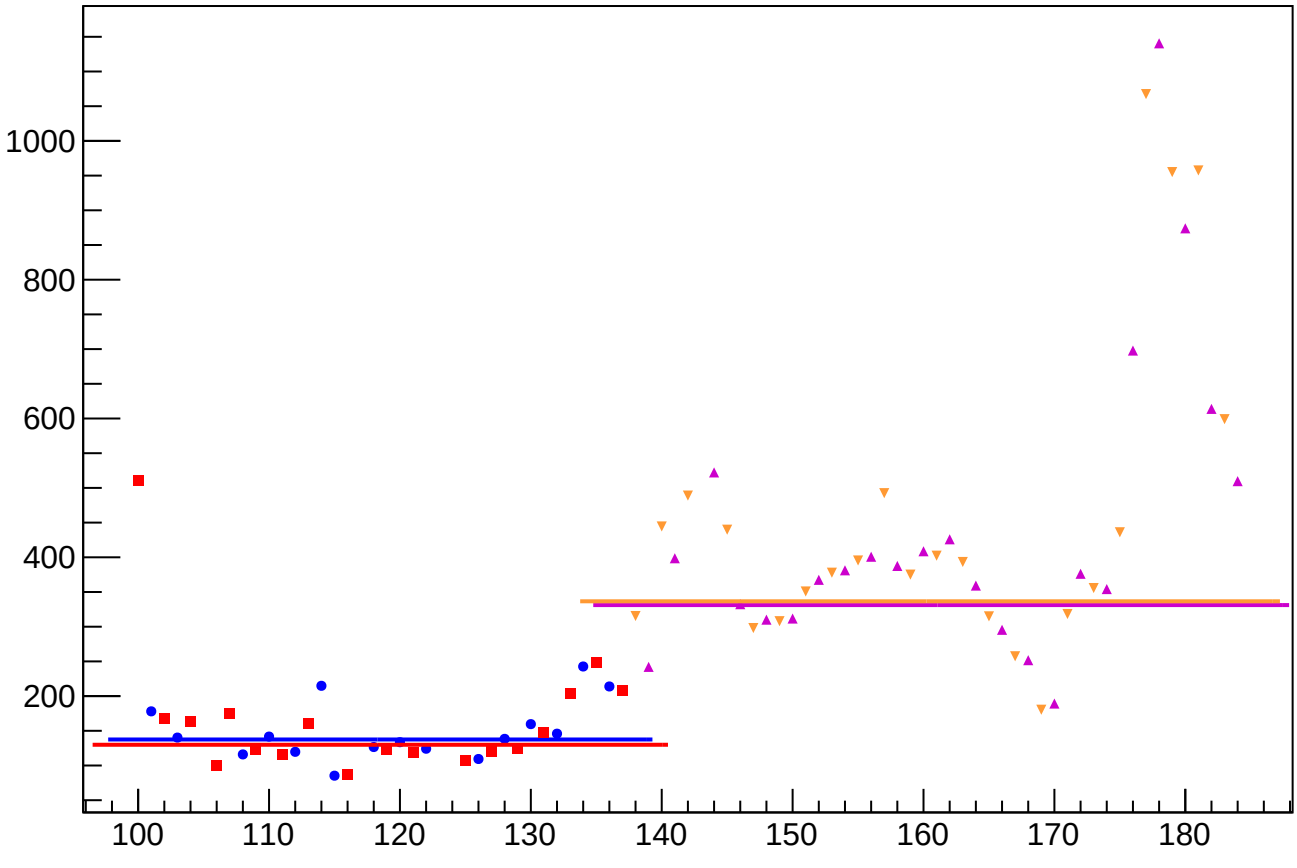
Left: -0.065+/-0.060 χ^2/NDF: 56.9/45

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.037+/-0.045 χ^2/NDF:43.4/38

Out: 0.021+/-0.045 χ^2/NDF:57.1/40

All: -0.008+/-0.032 χ^2/NDF: 101.3/79



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: 331.158+/-0.059 χ^2/NDF:4106959.8/22

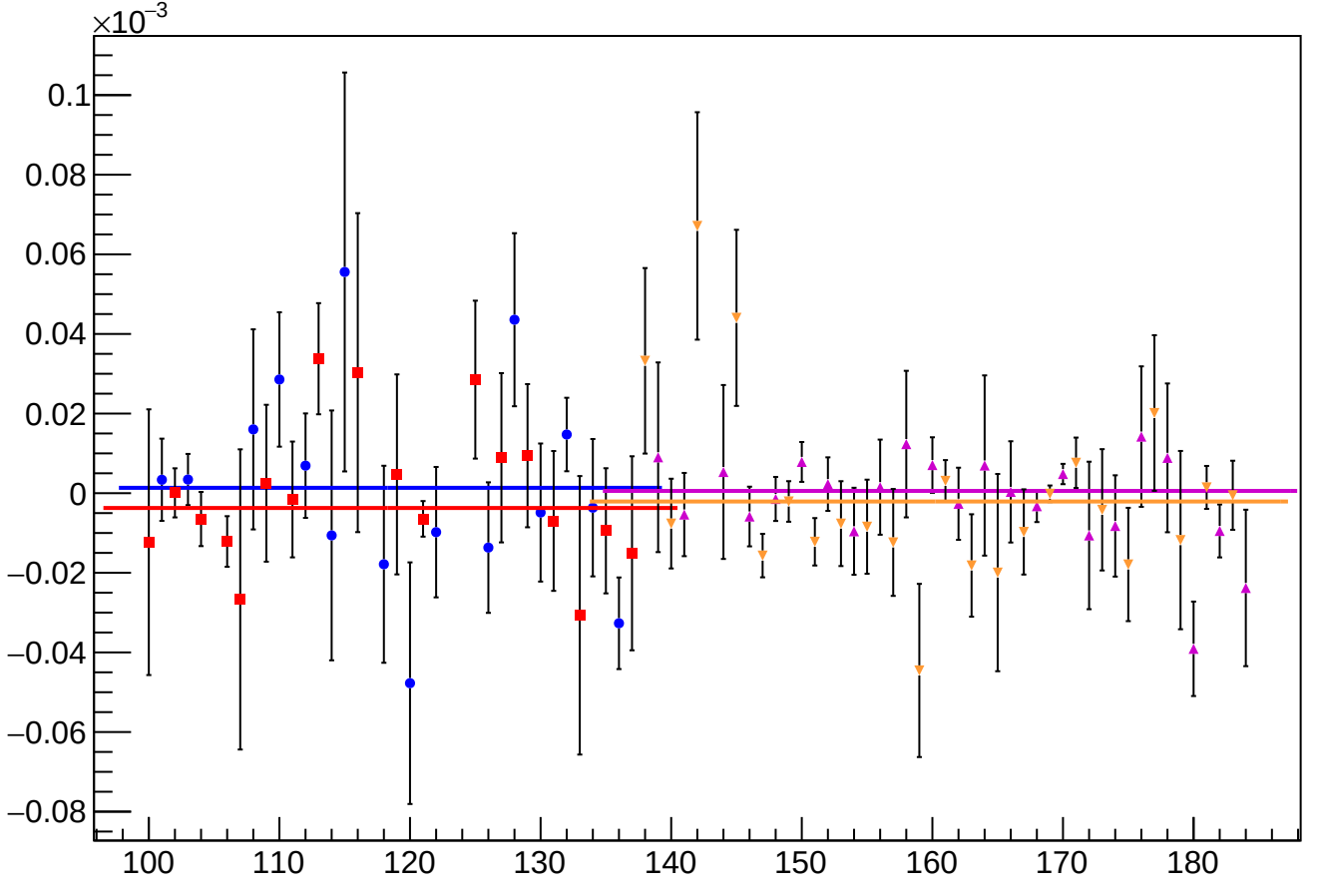
Left: 333.810+/-0.042 χ^2/NDF: 8552762.0/45

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 194.994+/-0.032 χ^2/NDF:12379912.1/38

Out: 186.258+/-0.032 χ^2/NDF:13733330.3/40

All: 190.560+/-0.023 χ^2/NDF: 26150742.2/79



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:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 64.7/45

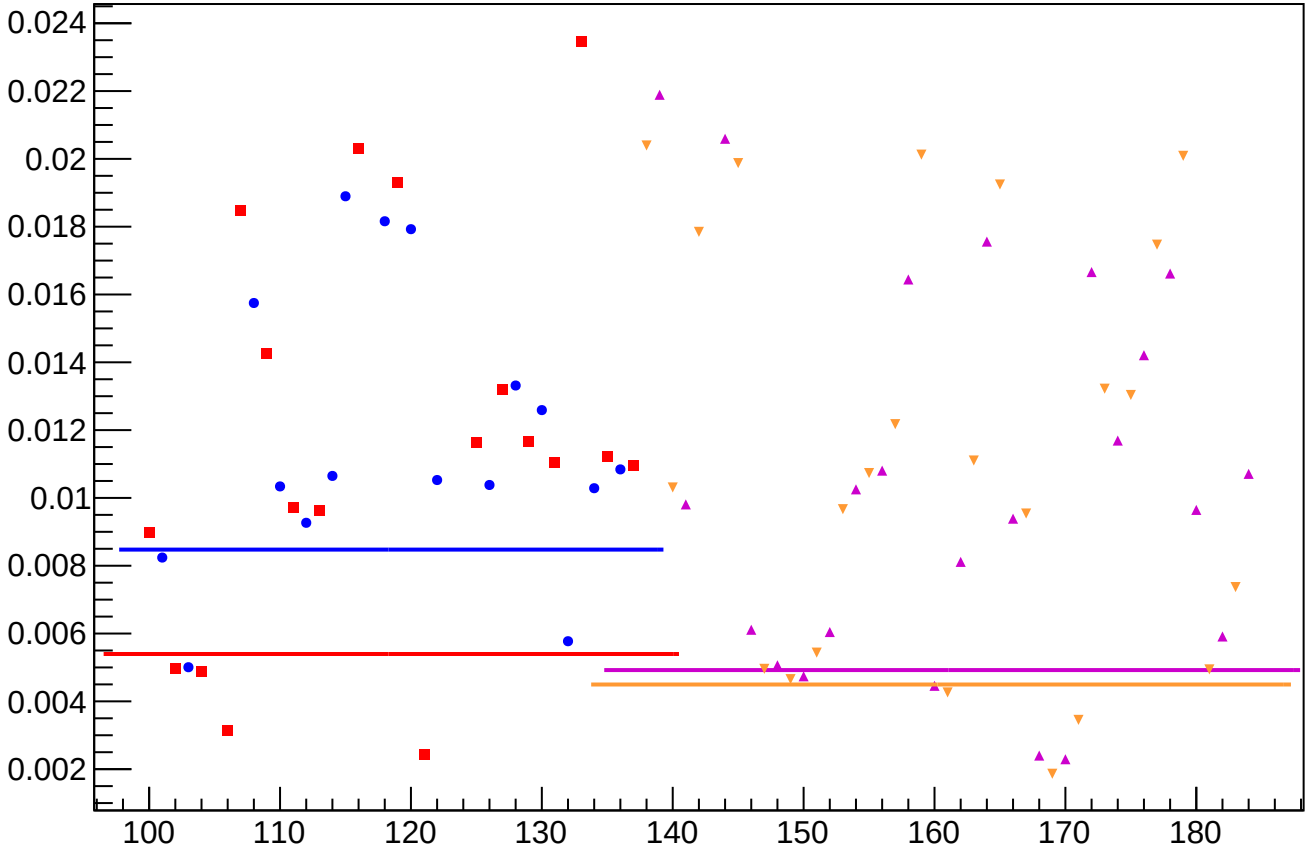
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:50.2/38

Out: -0.000+/-0.000 χ^2/NDF:52.9/40

All: -0.000+/-0.000 χ^2/NDF: 106.1/79

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:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25762372.8/45

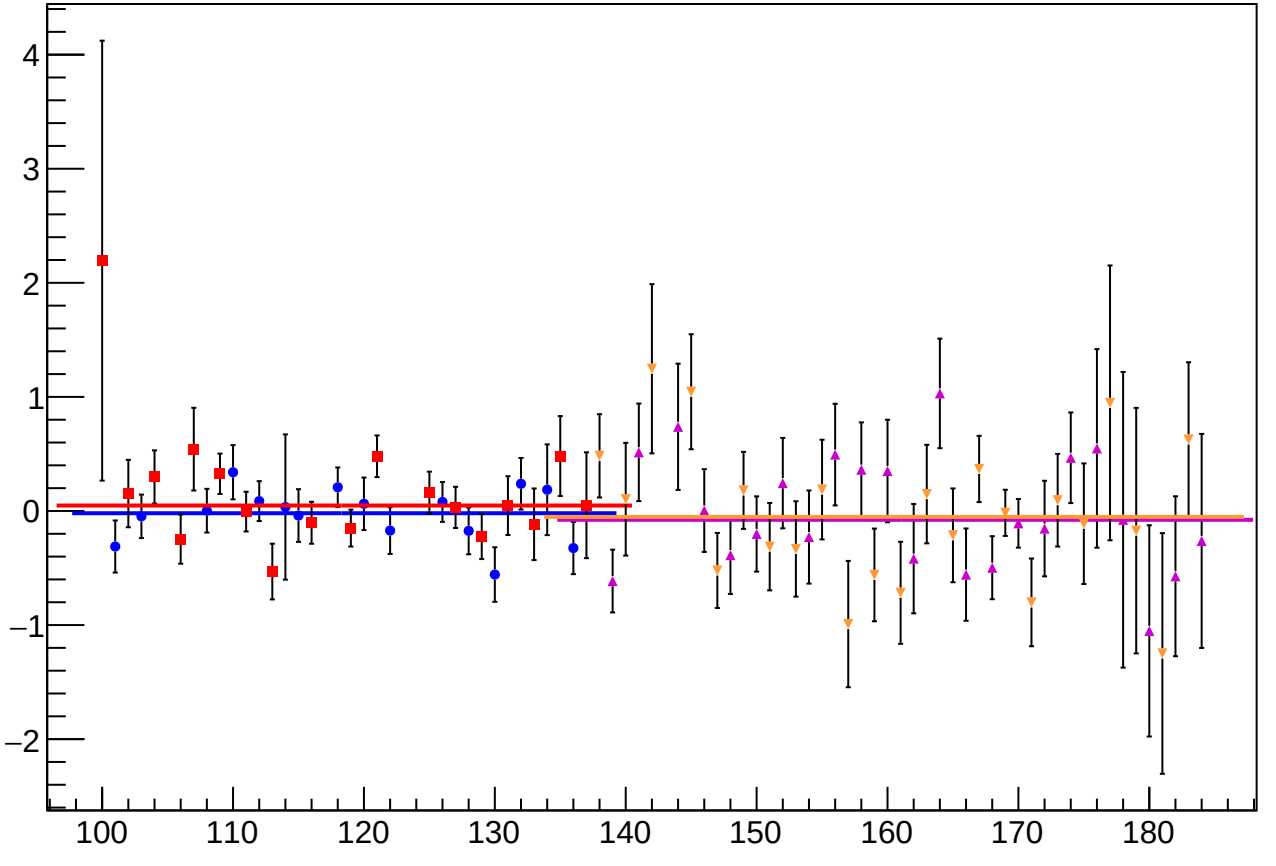
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.005+/-0.000 χ^2/NDF:15341159.1/38

Out: 0.005+/-0.000 χ^2/NDF:19151920.7/40

All: 0.005+/-0.000 χ^2/NDF: 34847887.4/79

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: -0.077+/-0.083 χ^2/NDF:27.0/22

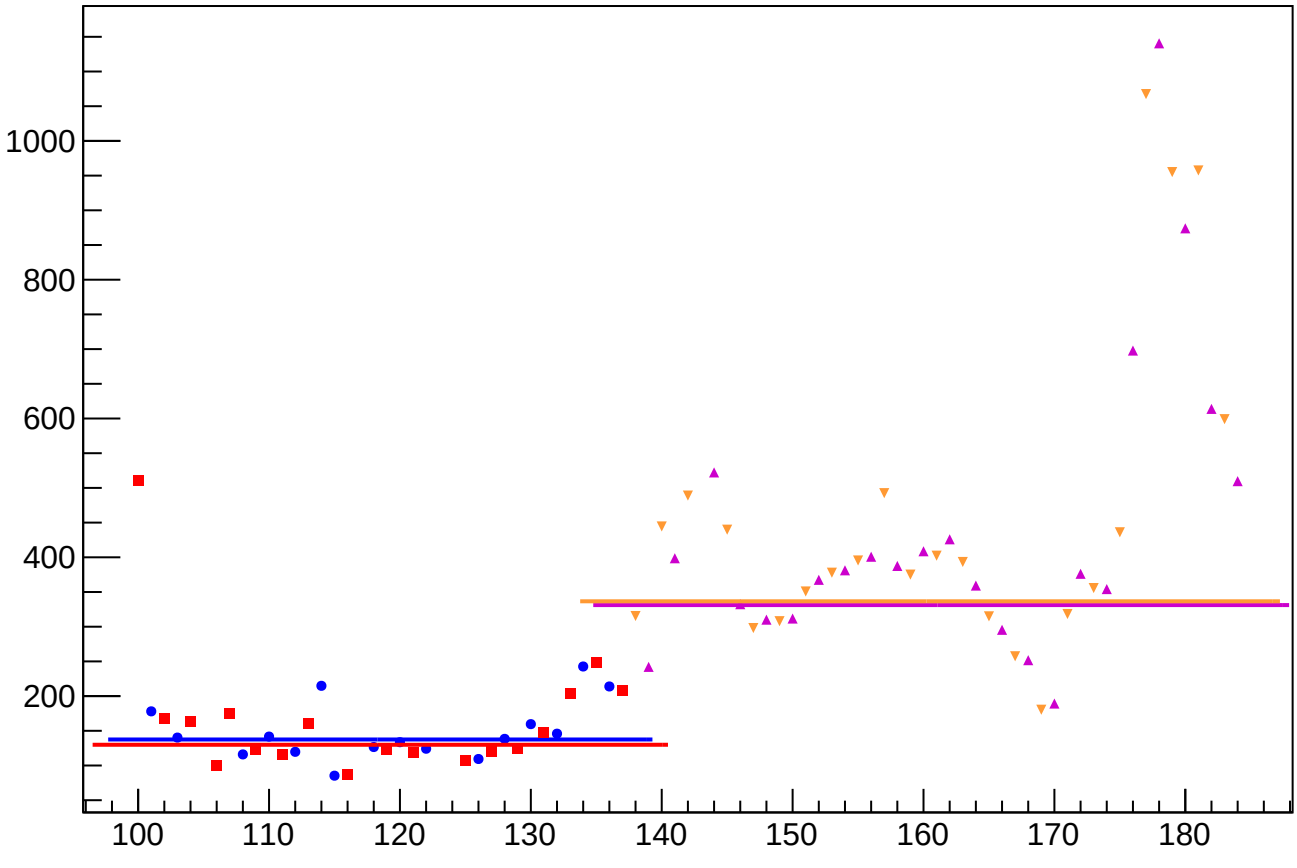
Left: -0.065+/-0.060 χ^2/NDF: 56.9/45

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.037+/-0.045 χ^2/NDF:43.4/38

Out: 0.021+/-0.045 χ^2/NDF:57.1/40

All: -0.008+/-0.032 χ^2/NDF: 101.3/79



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: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 333.812+/-0.042 χ^2/NDF: 8552832.7/45

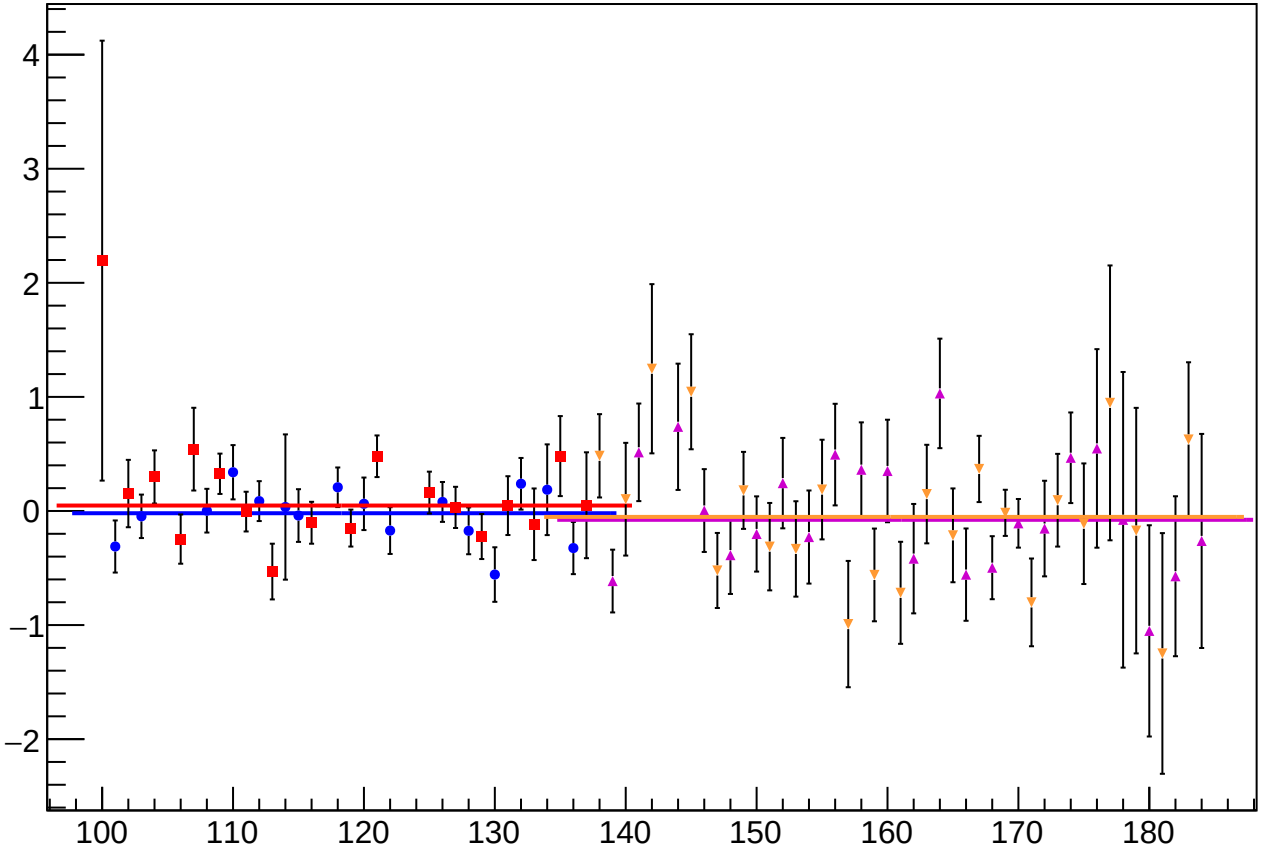
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 194.994+/-0.032 χ^2/NDF:12380040.1/38

Out: 186.258+/-0.032 χ^2/NDF:13733435.9/40

All: 190.560+/-0.023 χ^2/NDF: 26150976.5/79

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: -0.077+/-0.083 χ^2/NDF:27.0/22

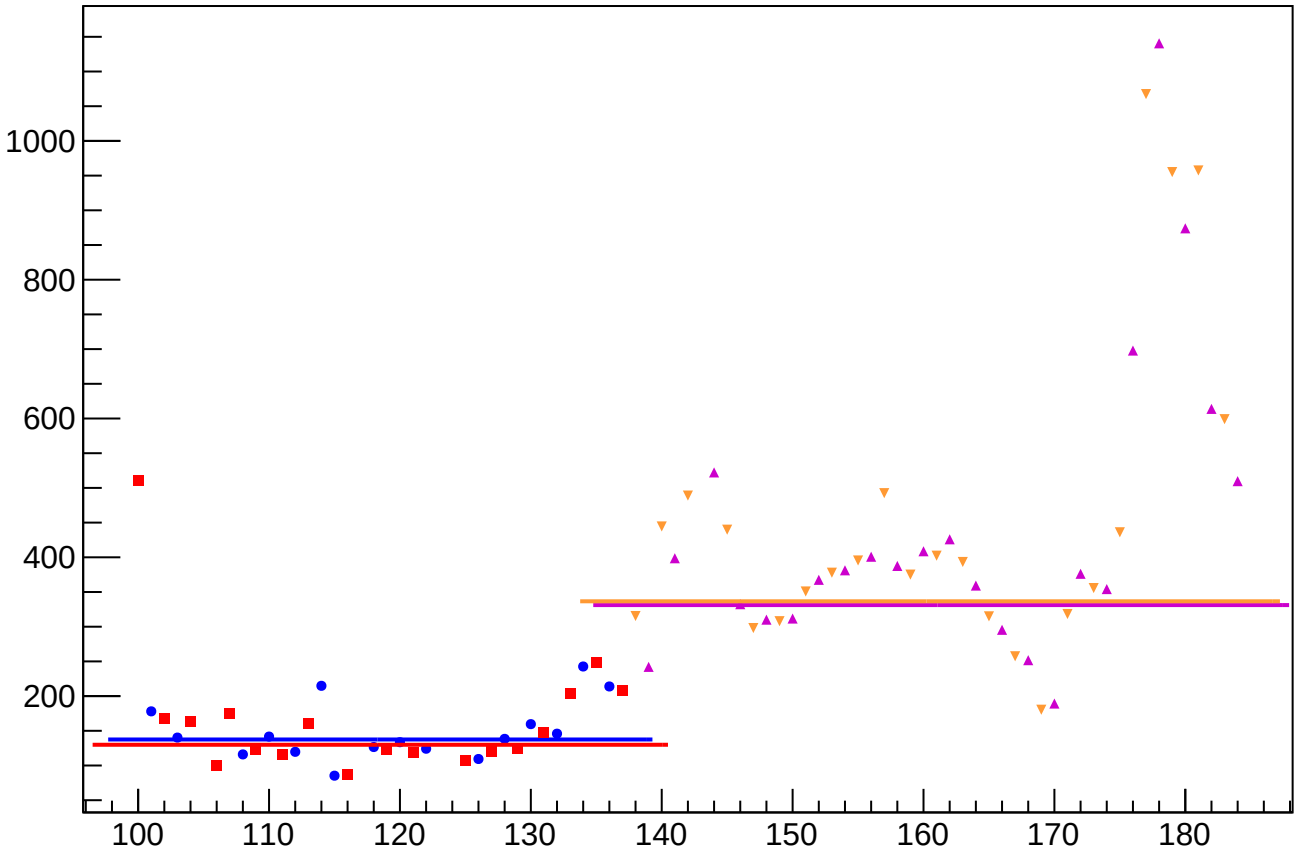
Left: -0.065+/-0.060 χ^2/NDF: 56.9/45

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.037+/-0.045 χ^2/NDF:43.4/38

Out: 0.021+/-0.045 χ^2/NDF:57.1/40

All: -0.008+/-0.032 χ^2/NDF: 101.3/79



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: 331.161+/-0.059 χ^2/NDF:4106963.1/22

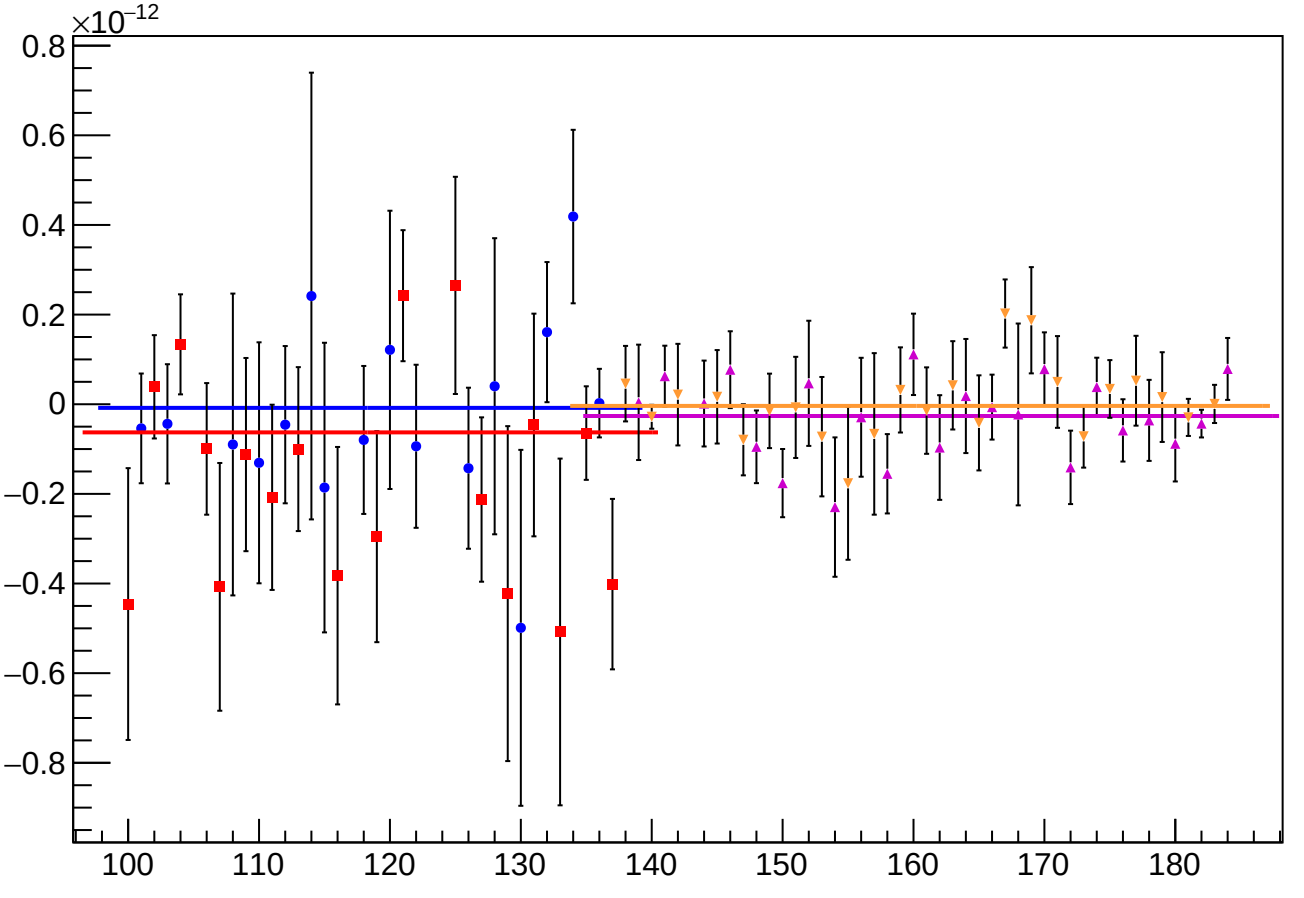
Left: 333.812+/-0.042 χ^2/NDF: 8552832.7/45

Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 194.994+/-0.032 χ^2/NDF:12380040.1/38

Out: 186.258+/-0.032 χ^2/NDF:13733435.9/40

All: 190.560+/-0.023 χ^2/NDF: 26150976.5/79



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

Left: -0.000+/-0.000 χ^2/NDF: 40.2/45

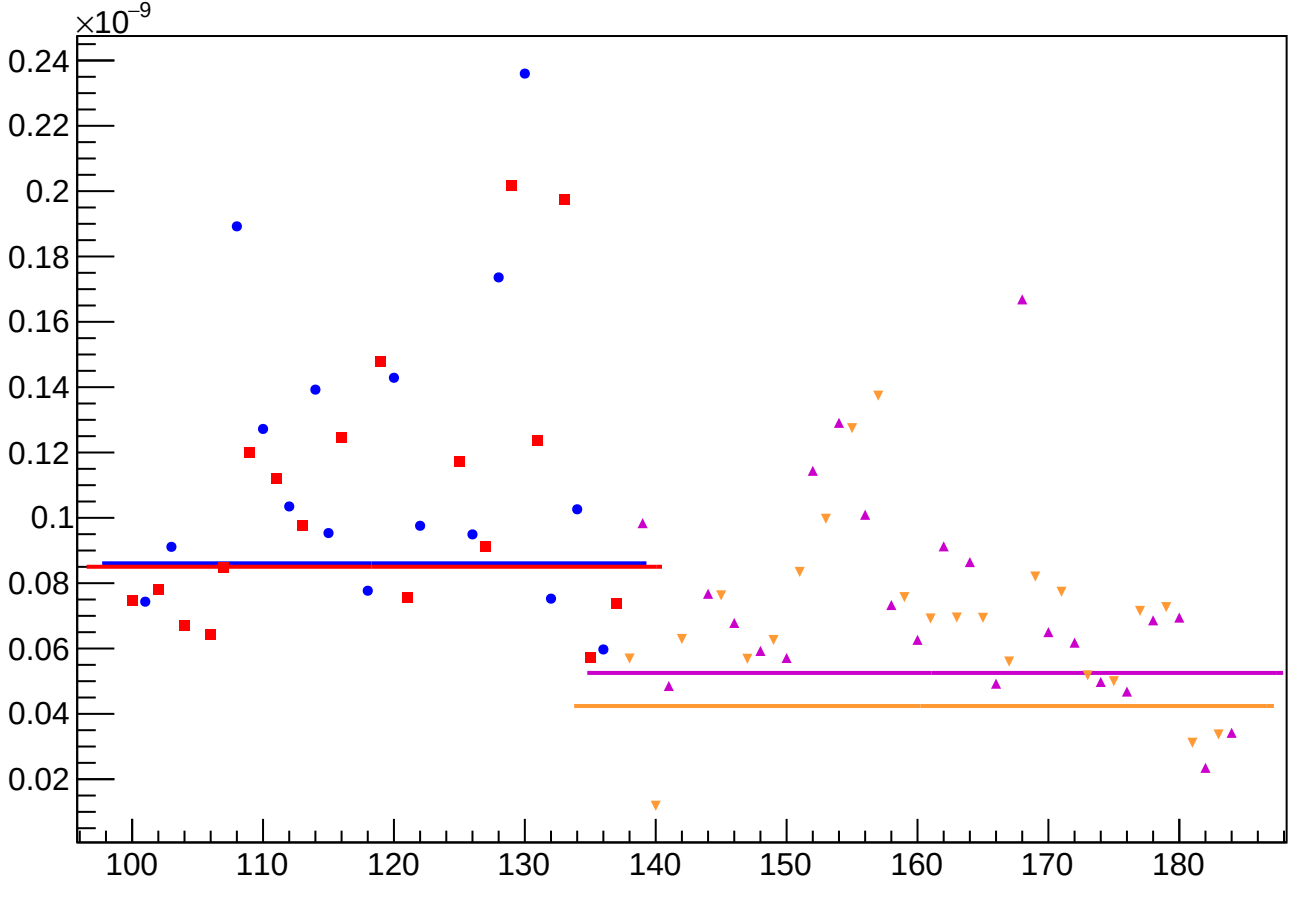
Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: -0.000+/-0.000 χ^2/NDF:32.8/38

Out: -0.000+/-0.000 χ^2/NDF:40.3/40

All: -0.000+/-0.000 χ^2/NDF: 73.5/79

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:4897147.5/22

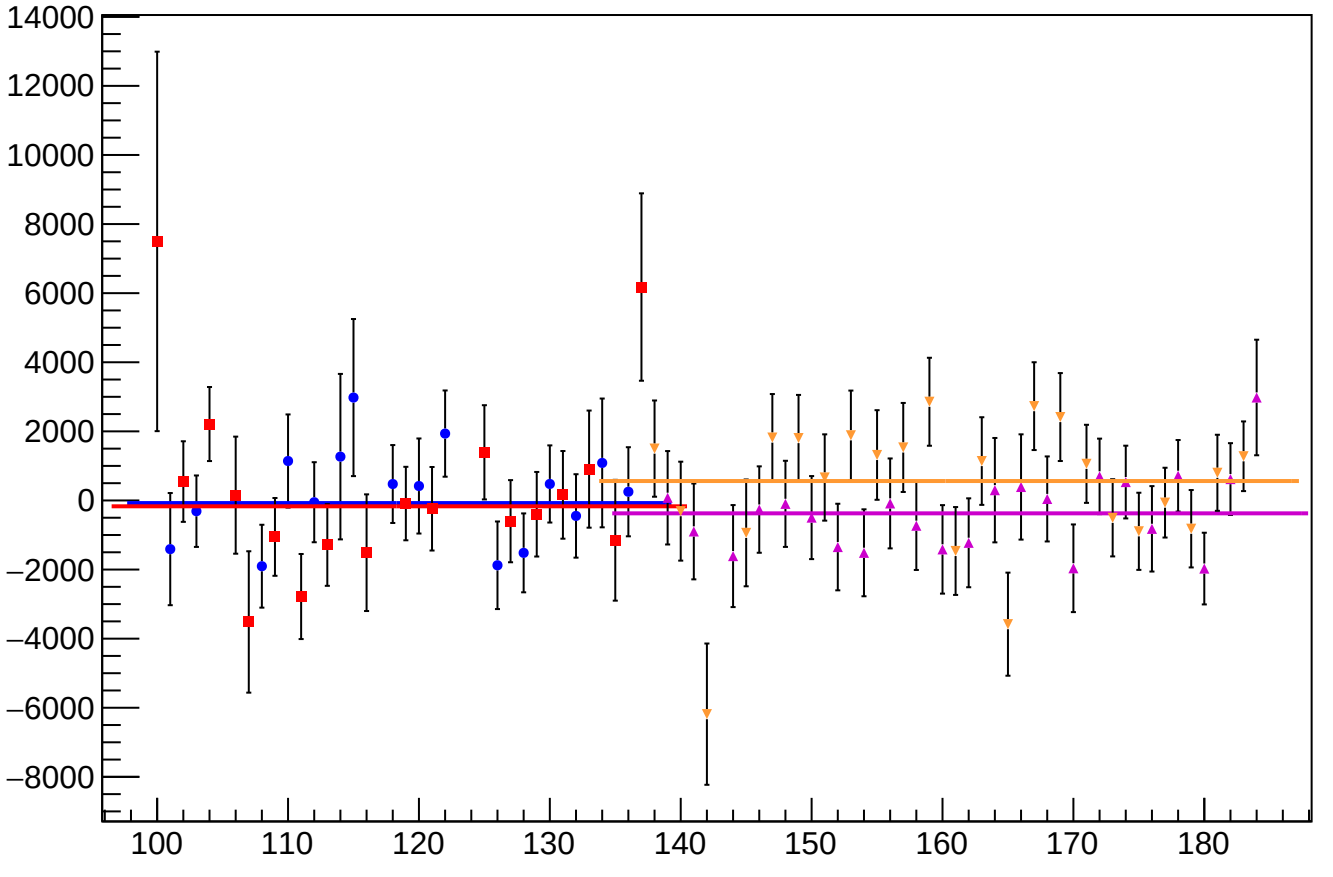
Left: 0.000+/-0.000 χ^2/NDF: 12009933.4/45

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:7059942.3/38

Out: 0.000+/-0.000 χ^2/NDF:9520508.2/40

All: 0.000+/-0.000 χ^2/NDF: 17039400.8/79



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: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 94.796+/-183.330 χ^2/NDF: 63.1/45

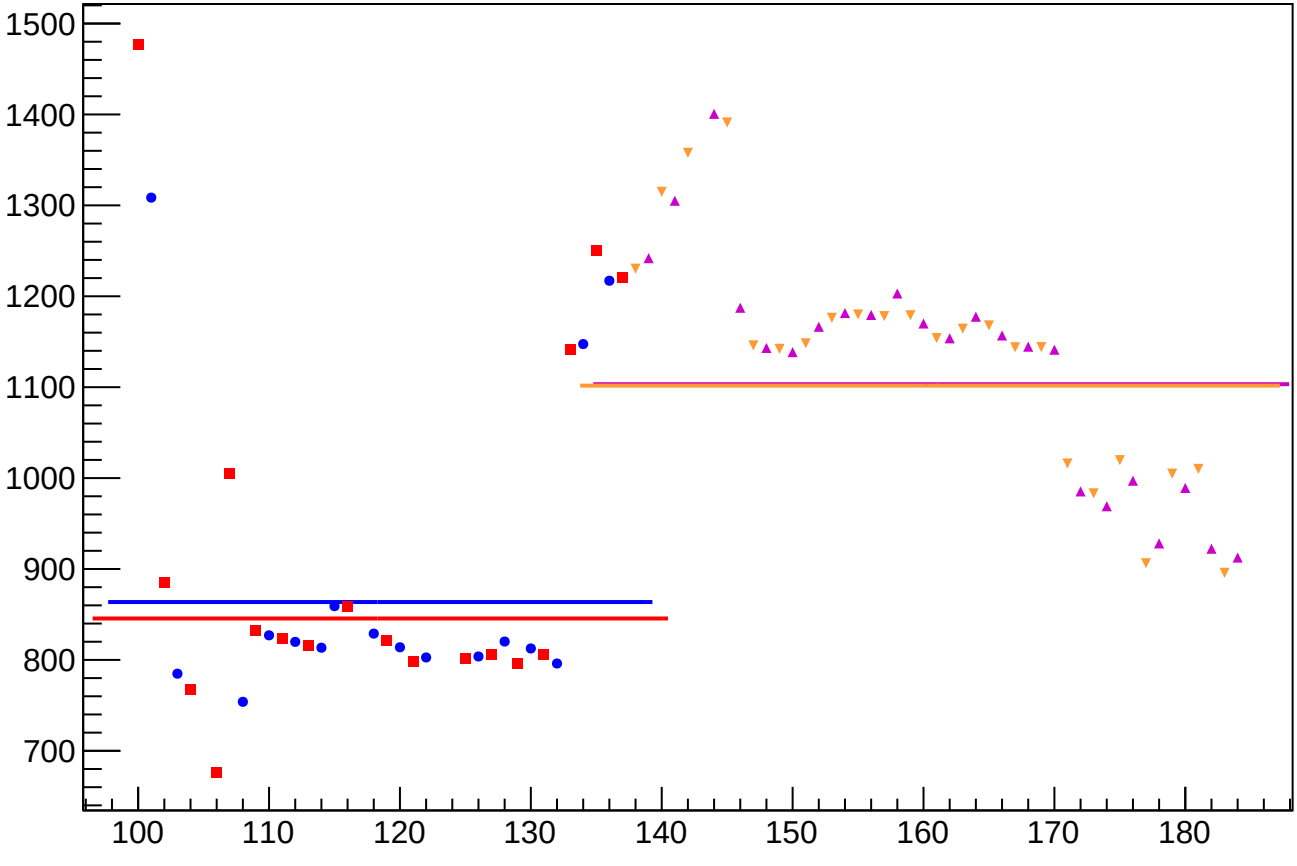
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -257.935+/-202.995 χ^2/NDF:29.9/38

Out: 274.334+/-201.879 χ^2/NDF:68.1/40

All: 9.668+/-143.143 χ^2/NDF: 101.5/79

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: 1103.281+/-0.183 χ^2/NDF:447540.4/22

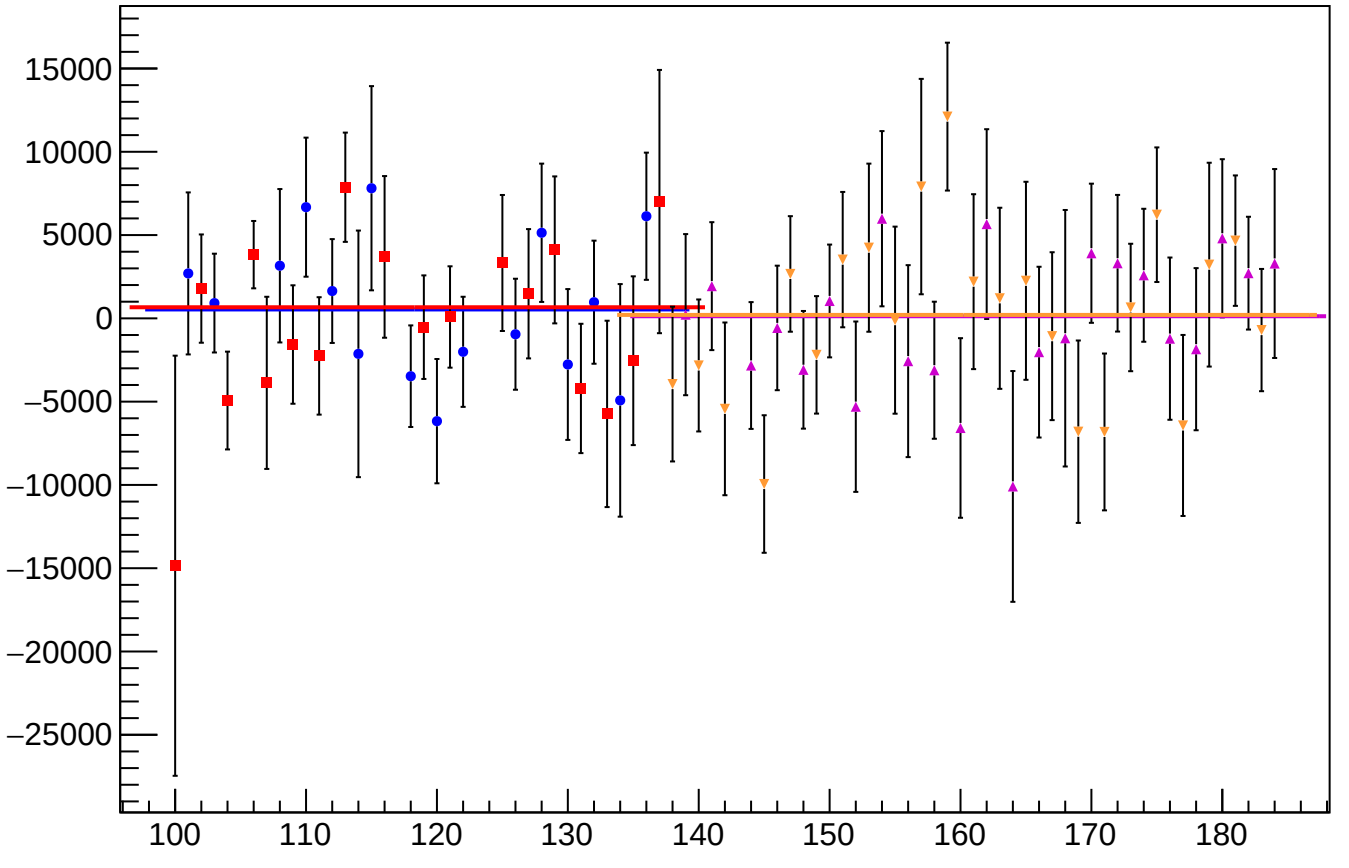
Left: 1102.495+/-0.130 χ^2/NDF: 894553.9/45

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1010.500+/-0.144 χ^2/NDF:1516272.5/38

Out: 999.401+/-0.142 χ^2/NDF:1534702.5/40

All: 1004.893+/-0.101 χ^2/NDF: 3053996.1/79



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: 126.696+/-932.645 χ^2/NDF:13.8/22

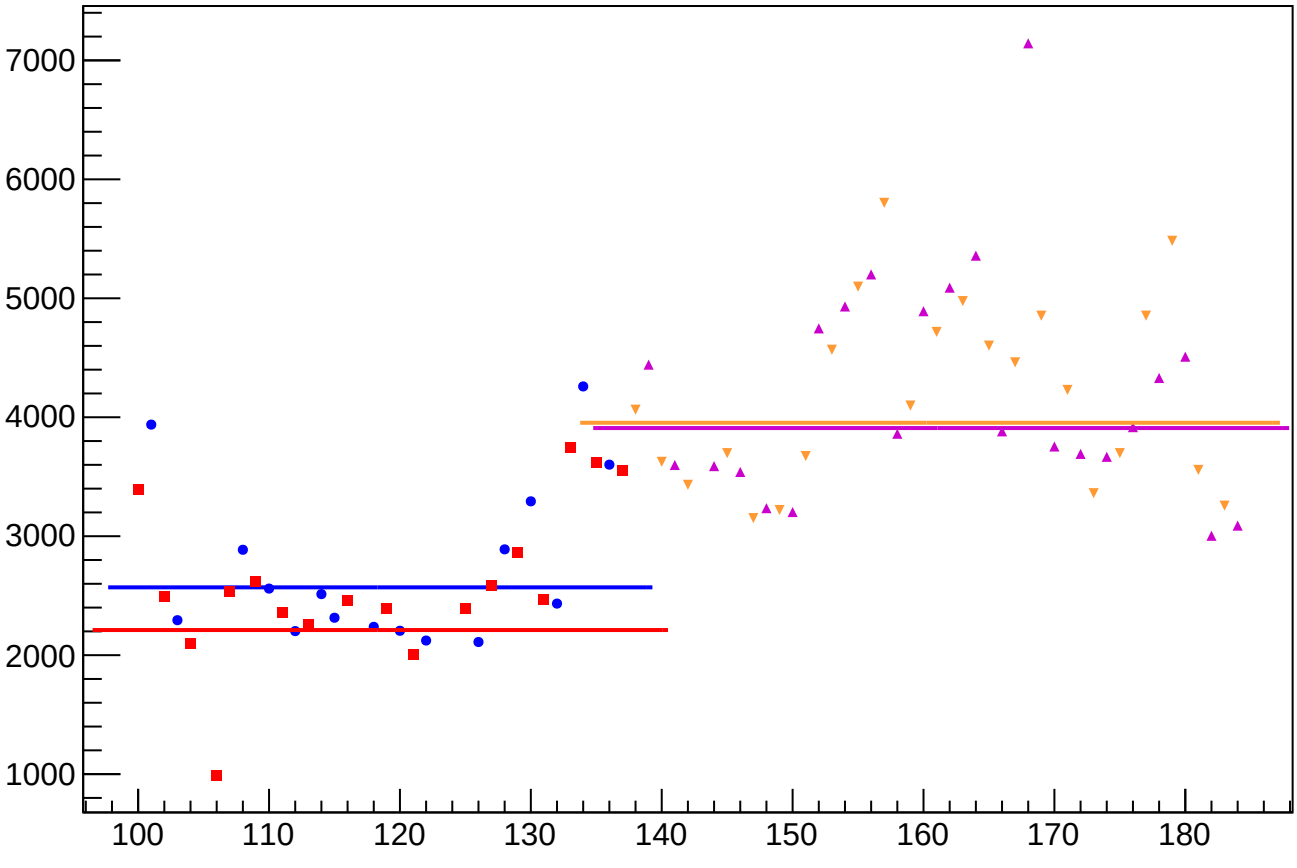
Left: 165.988+/-663.545 χ^2/NDF: 42.8/45

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 320.243+/-676.023 χ^2/NDF:28.5/38

Out: 456.173+/-637.816 χ^2/NDF:49.2/40

All: 392.158+/-463.923 χ^2/NDF: 77.7/79



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3953.739+/-0.668 χ^2/NDF:1070418.2/22

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

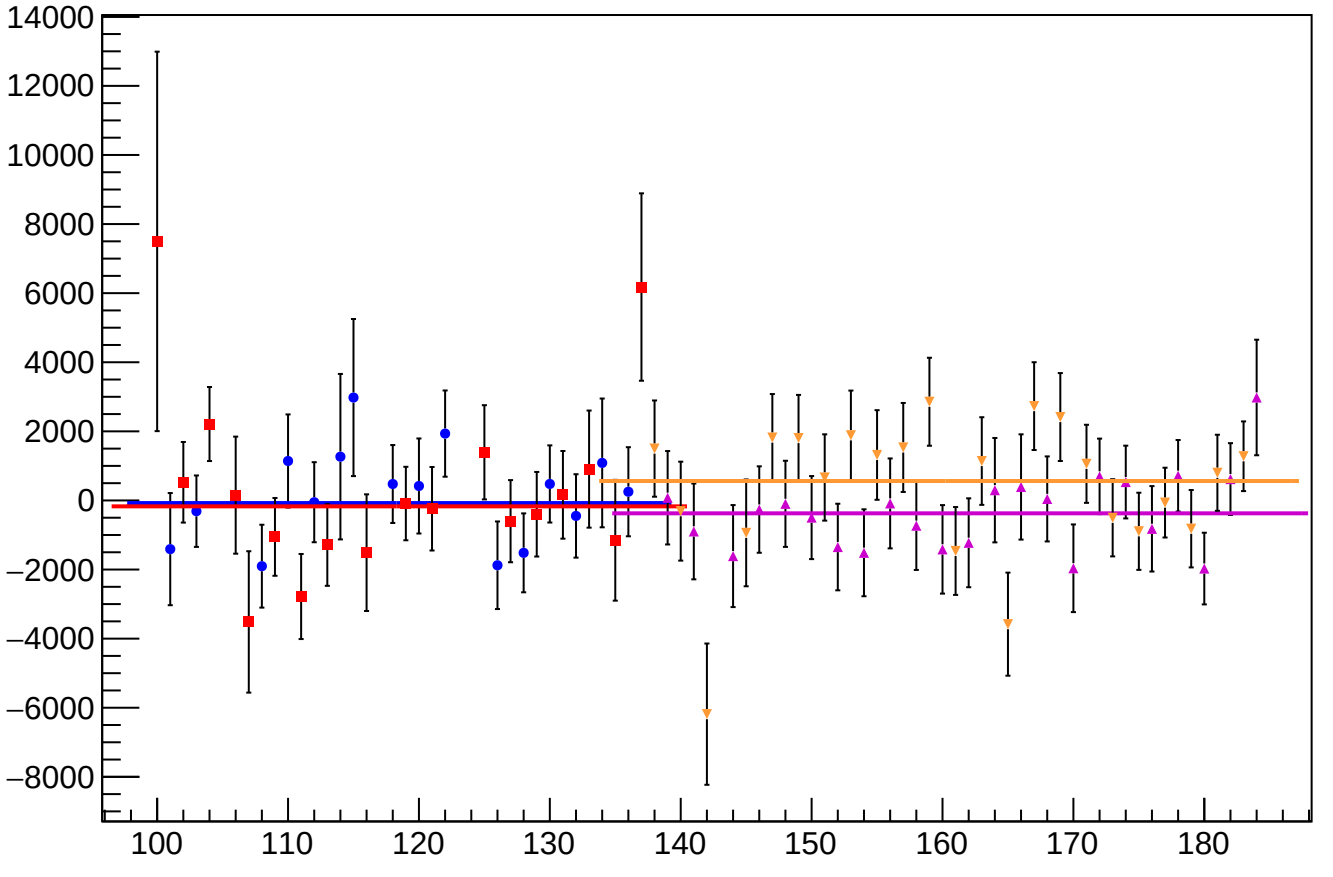
Left: 3931.160+/-0.469 χ^2/NDF: 2373451.5/45

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3273.644+/-0.478 χ^2/NDF:3919775.4/38

Out: 3006.295+/-0.451 χ^2/NDF:6037681.3/40

All: 3132.202+/-0.328 χ^2/NDF: 10122944.5/7



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: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 94.828+/-183.330 χ^2/NDF: 63.1/45

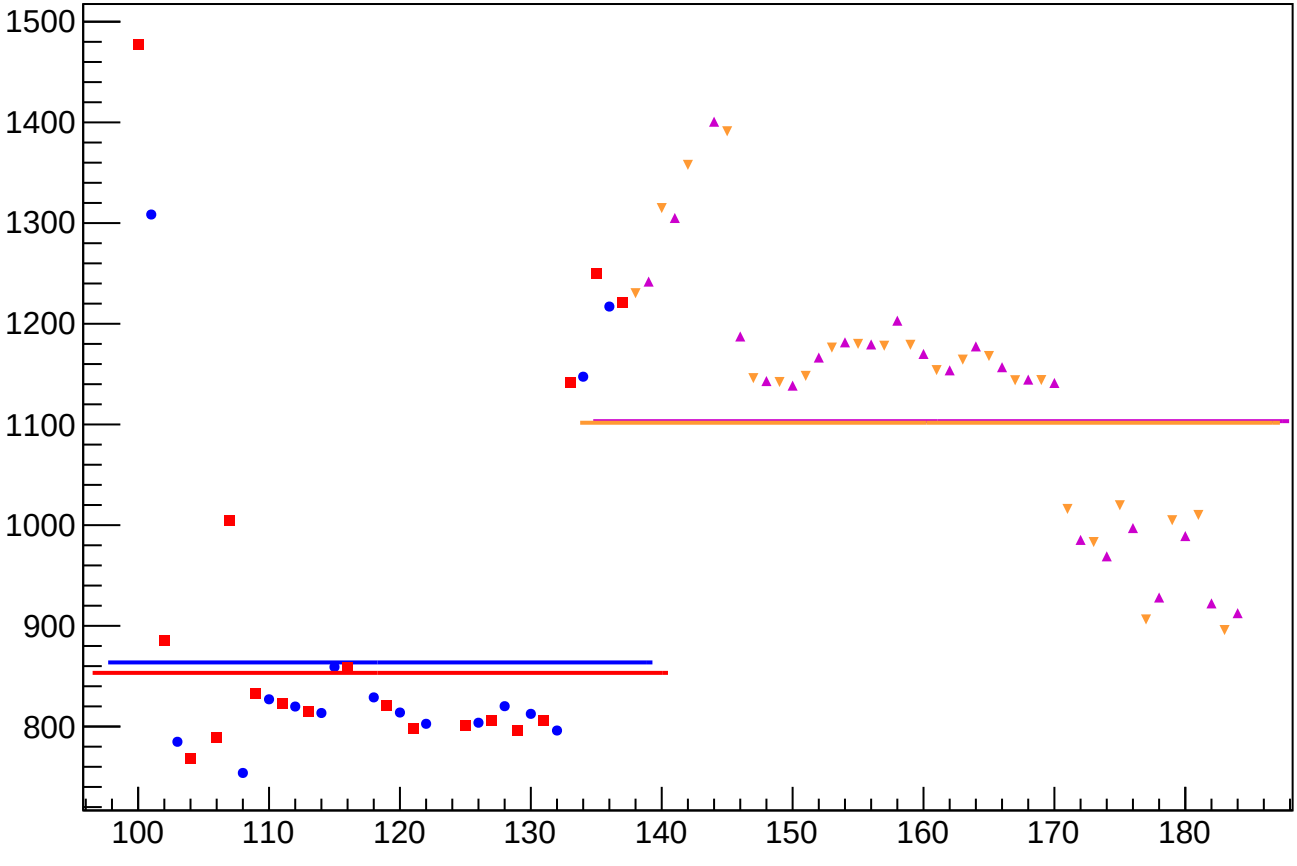
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -257.950+/-202.995 χ^2/NDF:29.9/38

Out: 273.720+/-201.880 χ^2/NDF:68.1/40

All: 9.350+/-143.143 χ^2/NDF: 101.5/79

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: 1103.281+/-0.183 χ^2/NDF:447540.3/22

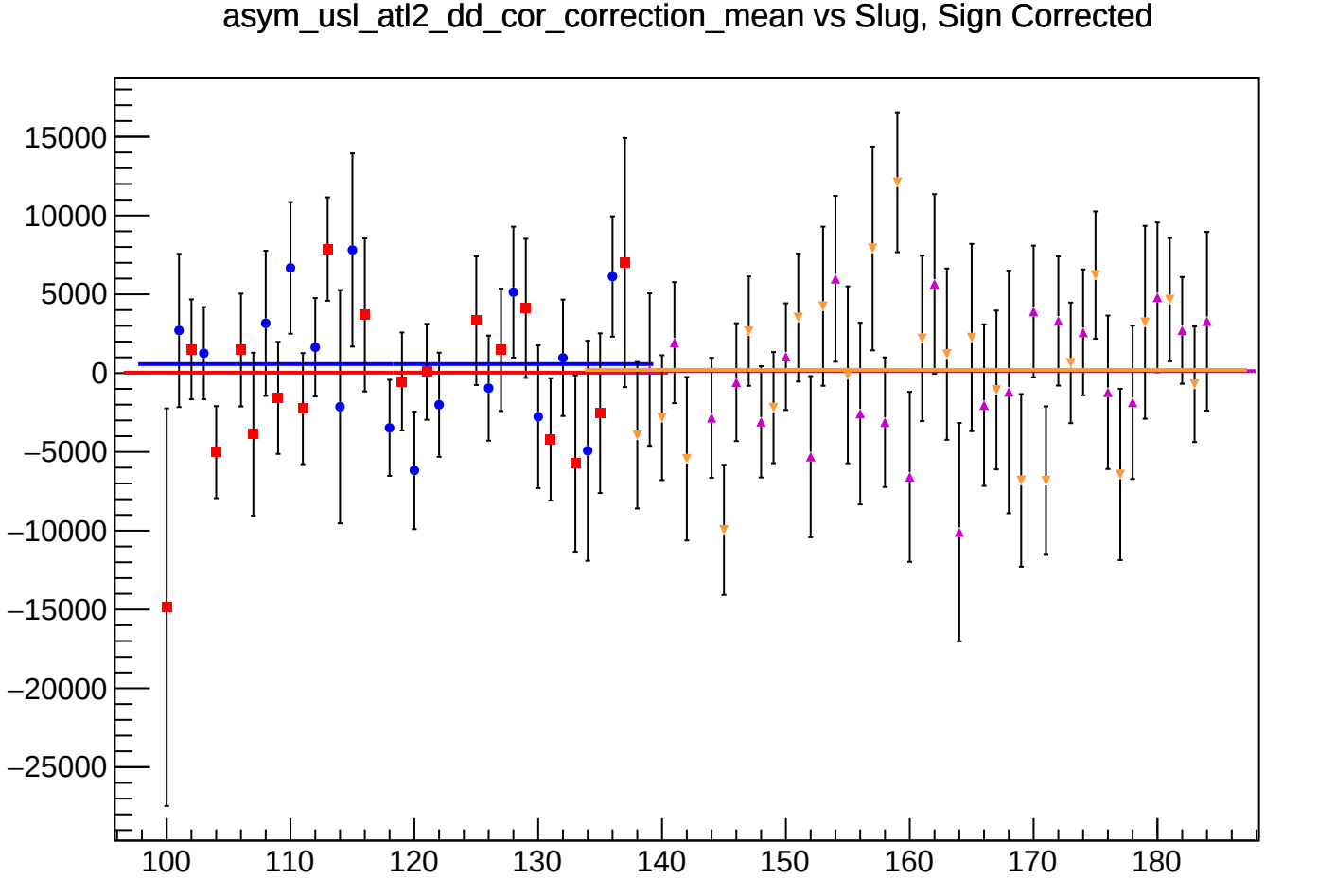
Left: 1102.495+/-0.130 χ^2/NDF: 894553.9/45

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1010.500+/-0.144 χ^2/NDF:1516272.6/38

Out: 1003.346+/-0.142 χ^2/NDF:1449632.0/40

All: 1006.896+/-0.101 χ^2/NDF: 2967156.0/79



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: 126.635+/-932.644 χ^2/NDF:13.8/22

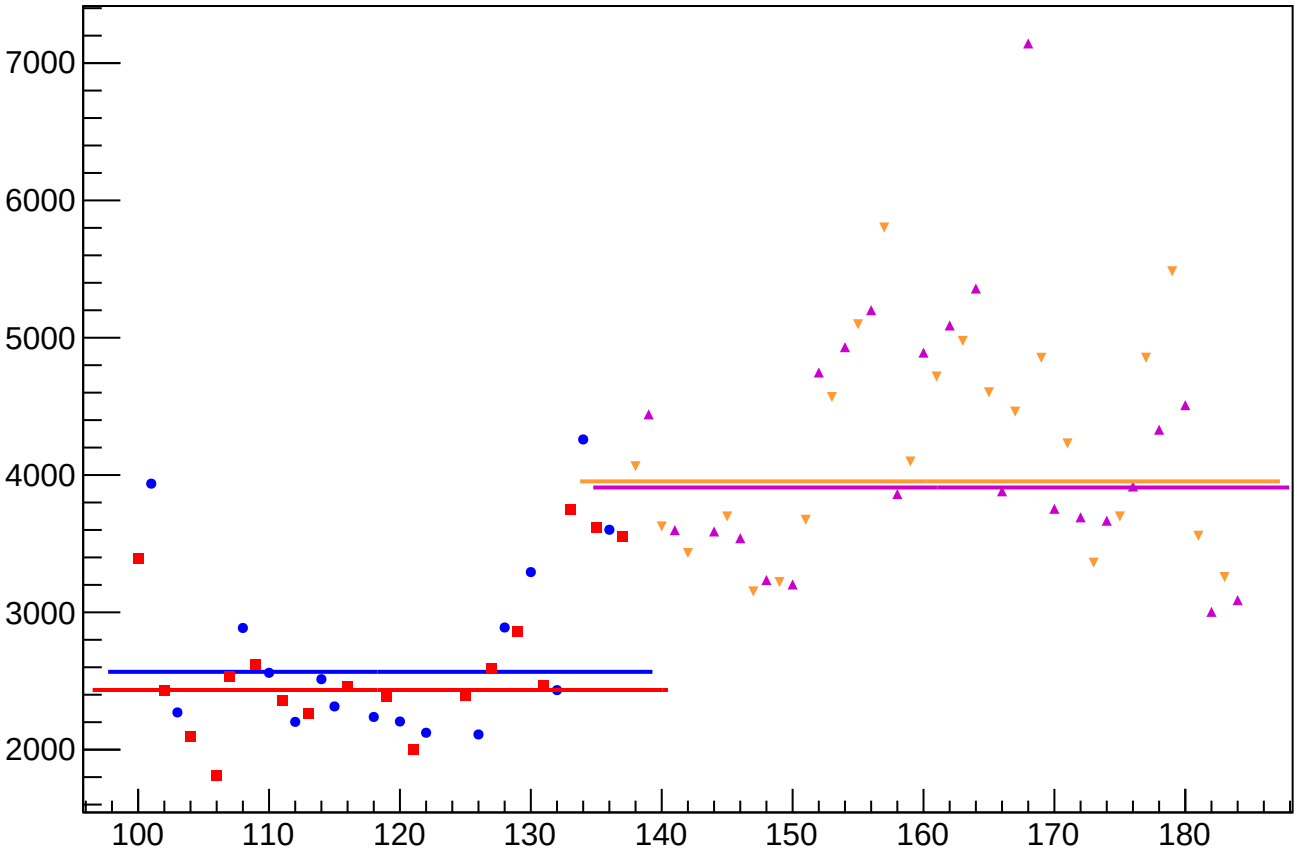
Left: 165.961+/-663.545 χ^2/NDF: 42.8/45

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 339.739+/-675.553 χ^2/NDF:28.6/38

Out: 115.331+/-659.721 χ^2/NDF:46.3/40

All: 224.874+/-471.991 χ^2/NDF: 74.9/79



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: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

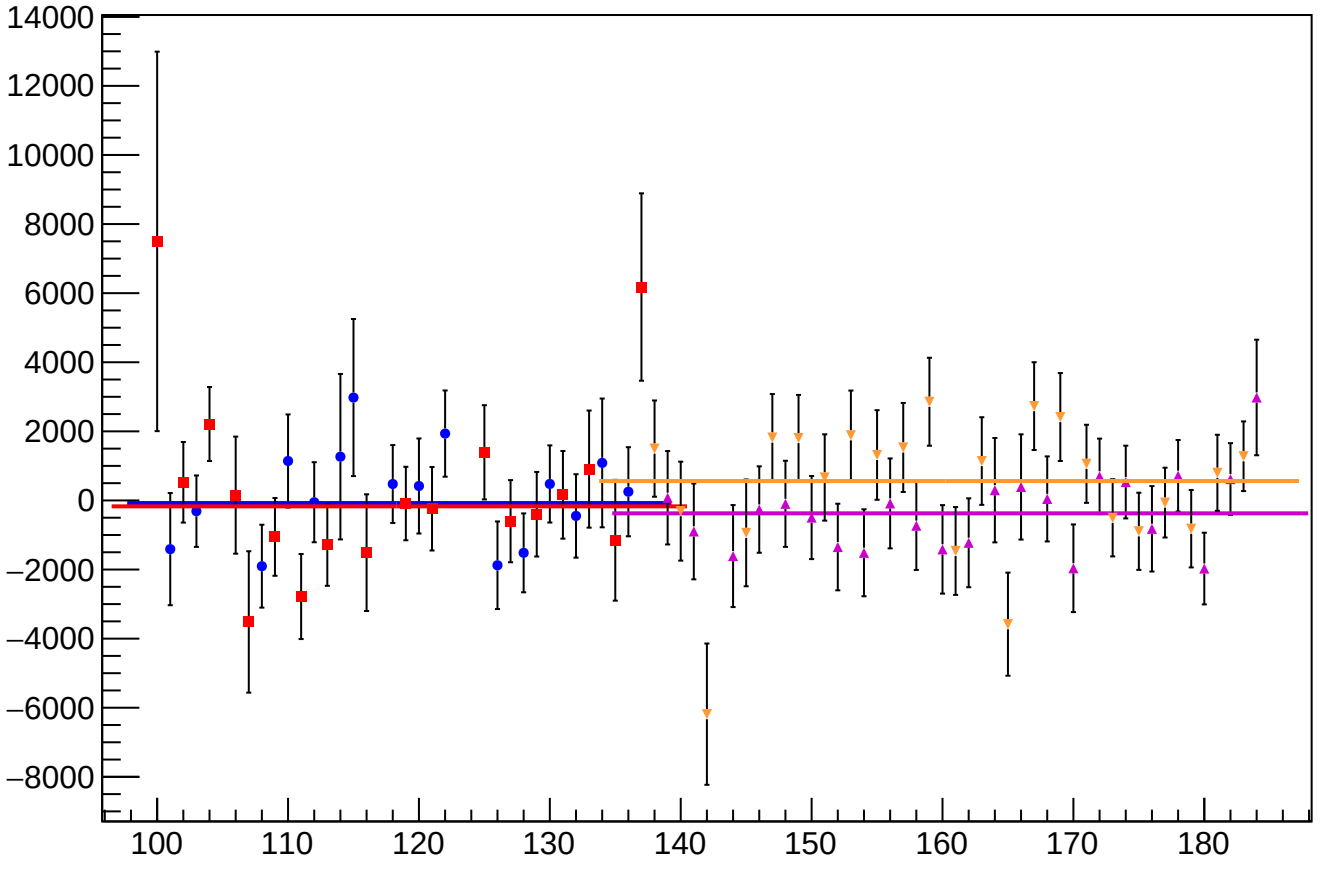
Left: 3931.159+/-0.469 χ^2/NDF: 2373452.4/45

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3271.048+/-0.478 χ^2/NDF:3936142.0/38

Out: 3176.069+/-0.466 χ^2/NDF:4154816.5/40

All: 3222.433+/-0.334 χ^2/NDF: 8111193.9/79



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: -372.901+/-259.314 χ^2/NDF:16.0/22

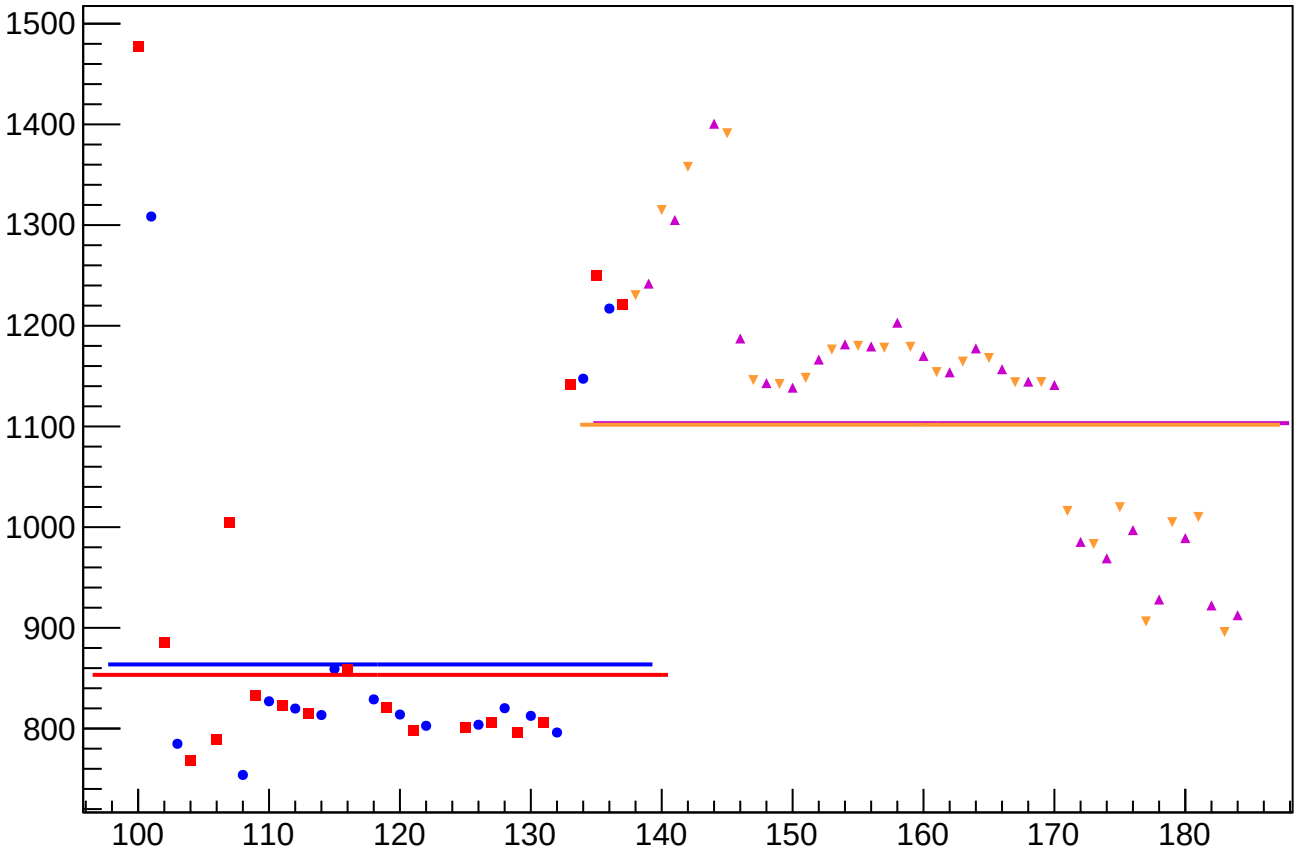
Left: 94.828+/-183.330 χ^2/NDF: 63.1/45

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -257.950+/-202.995 χ^2/NDF:29.9/38

Out: 273.720+/-201.880 χ^2/NDF:68.1/40

All: 9.350+/-143.143 χ^2/NDF: 101.5/79



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: 1103.281+/-0.183 χ^2/NDF:447540.3/22

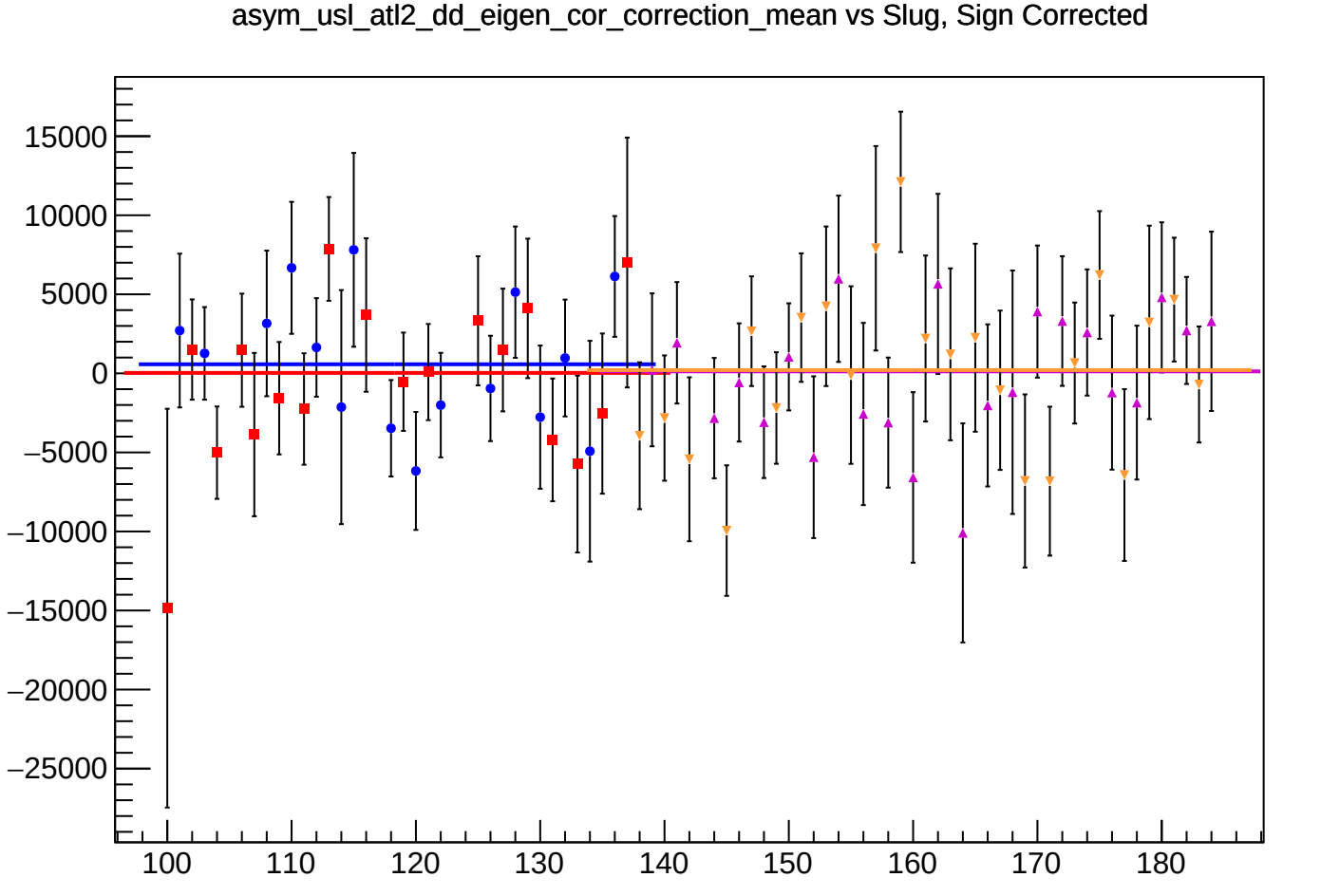
Left: 1102.495+/-0.130 χ^2/NDF: 894553.9/45

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1010.500+/-0.144 χ^2/NDF:1516272.6/38

Out: 1003.346+/-0.142 χ^2/NDF:1449632.0/40

All: 1006.896+/-0.101 χ^2/NDF: 2967156.0/79



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: 126.635+/-932.644 χ^2/NDF:13.8/22

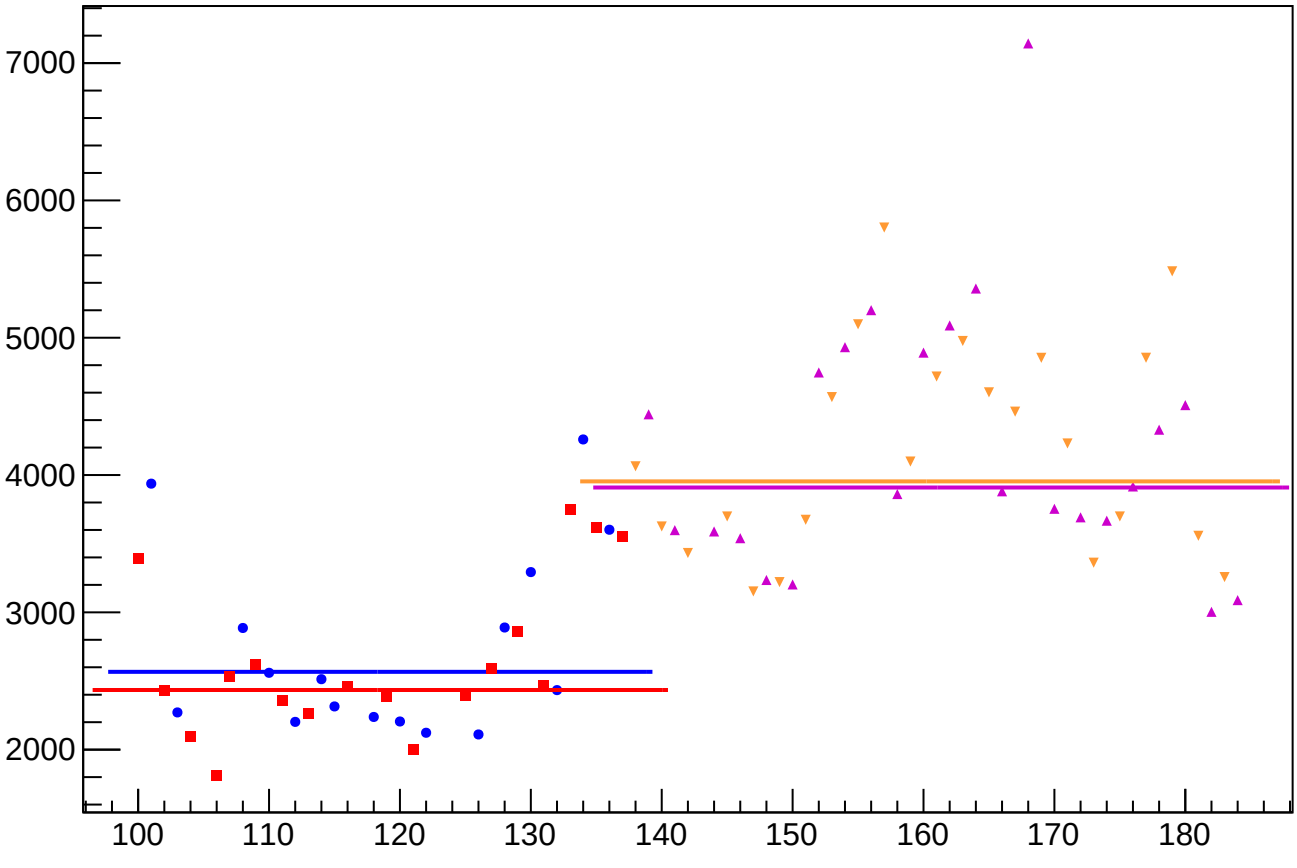
Left: 165.961+/-663.545 χ^2/NDF: 42.8/45

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 339.739+/-675.553 χ^2/NDF:28.6/38

Out: 115.331+/-659.721 χ^2/NDF:46.3/40

All: 224.874+/-471.991 χ^2/NDF: 74.9/79



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: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

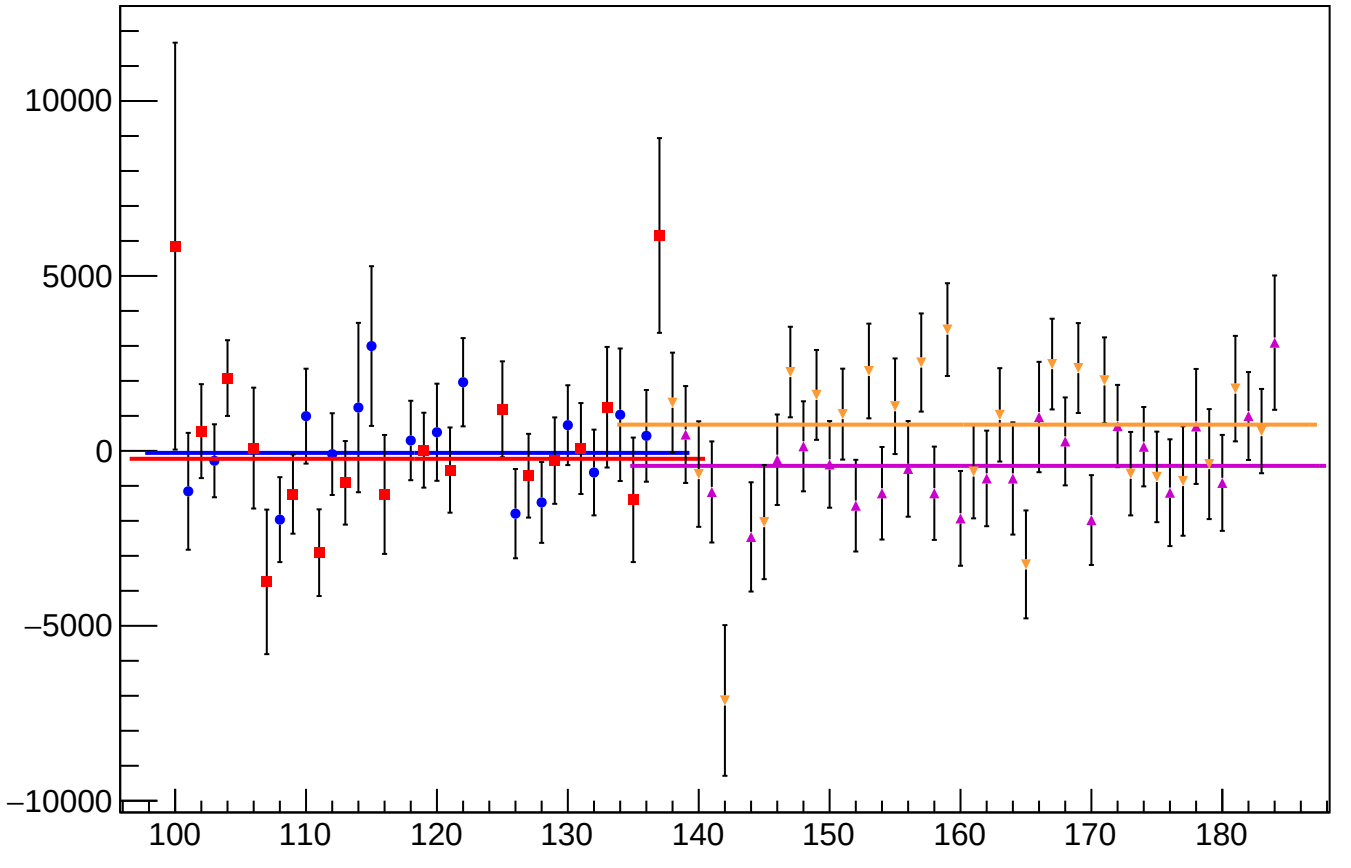
Left: 3931.159+/-0.469 χ^2/NDF: 2373452.4/45

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3271.048+/-0.478 χ^2/NDF:3936142.0/38

Out: 3176.069+/-0.466 χ^2/NDF:4154816.5/40

All: 3222.433+/-0.334 χ^2/NDF: 8111193.9/79



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: -428.052+/-284.383 χ^2/NDF:14.6/22

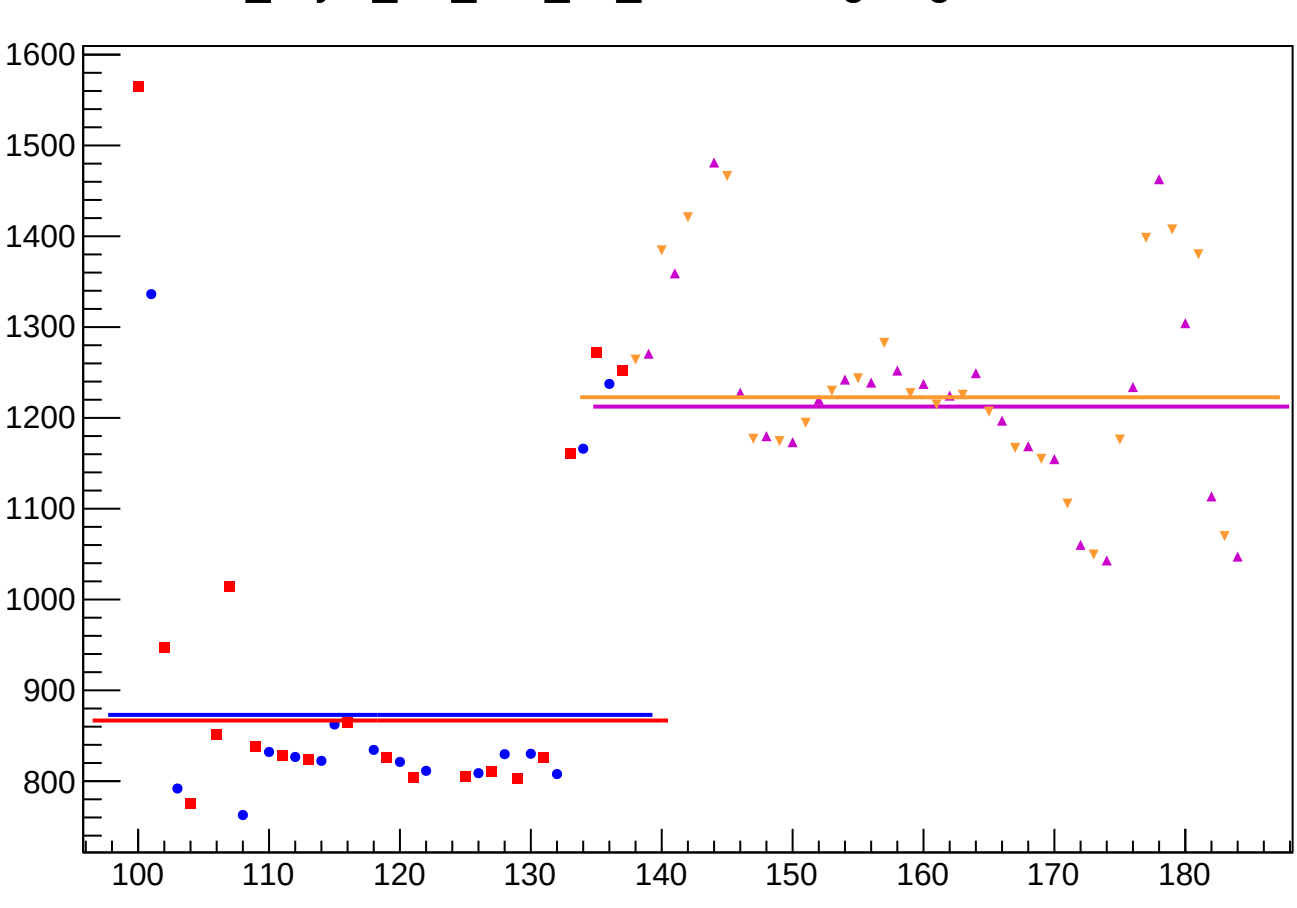
Left: 155.382+/-202.092 χ^2/NDF: 66.5/45

Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -270.062+/-215.451 χ^2/NDF:28.3/38

Out: 326.785+/-216.112 χ^2/NDF:71.4/40

All: 27.448+/-152.580 χ^2/NDF: 103.5/79



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: 1212.447+/-0.201 χ^2/NDF:260320.0/22

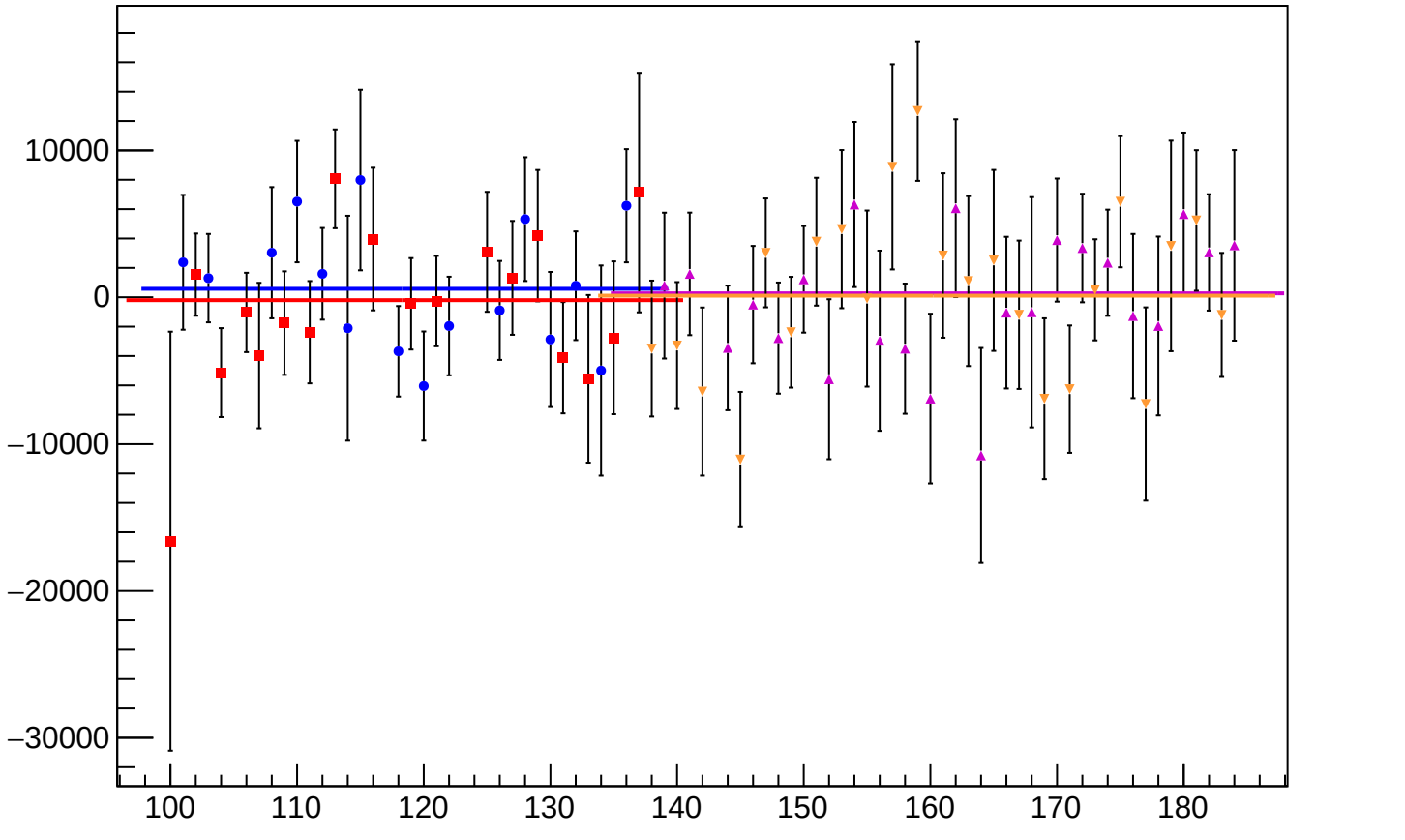
Left: 1217.539+/-0.143 χ^2/NDF: 537722.7/45

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1067.821+/-0.152 χ^2/NDF:1891587.1/38

Out: 1068.096+/-0.153 χ^2/NDF:1900809.8/40

All: 1067.958+/-0.108 χ^2/NDF: 3792398.5/79



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: 266.235+/-990.083 χ^2/NDF:13.4/22

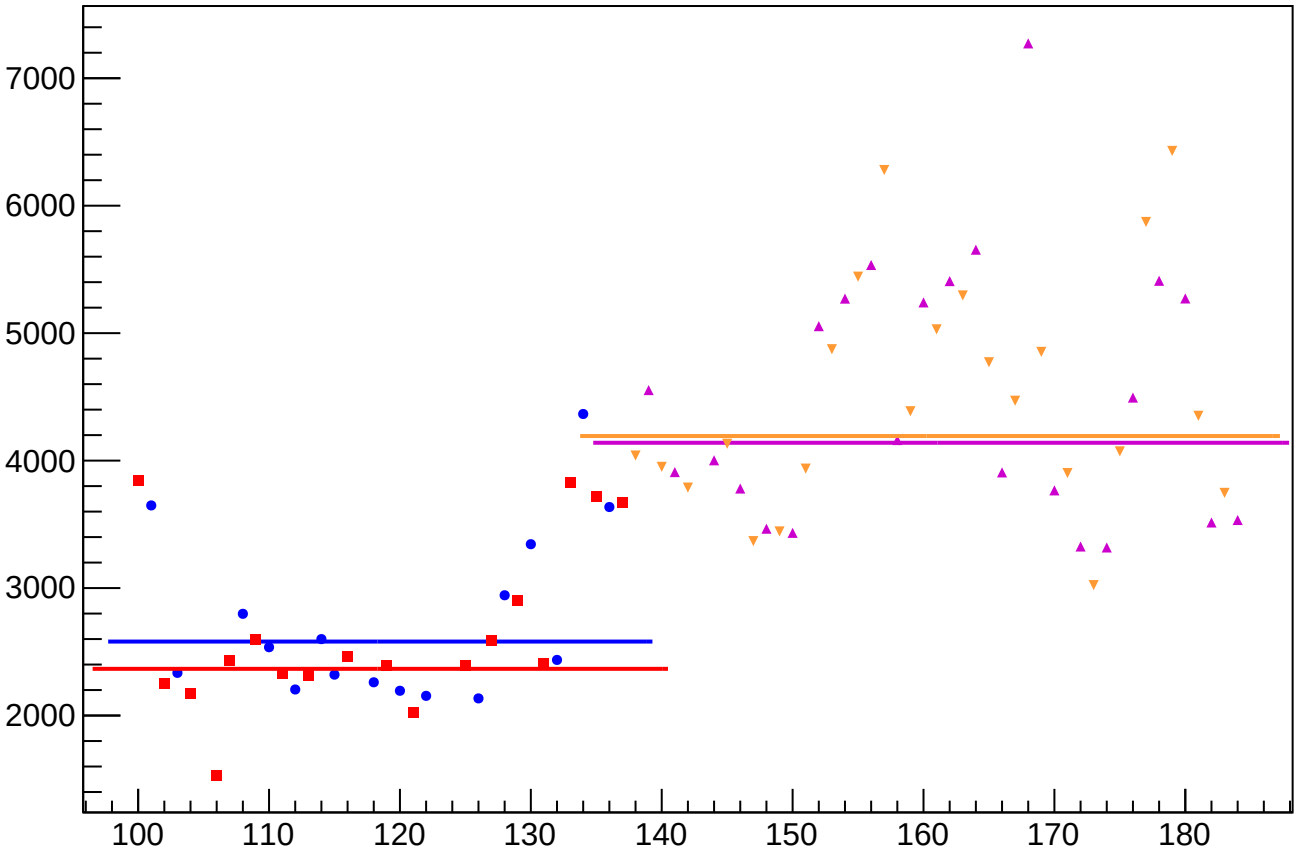
Left: 188.144+/-705.011 χ^2/NDF: 42.0/45

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 421.566+/-698.250 χ^2/NDF:28.2/38

Out: -62.729+/-667.761 χ^2/NDF:45.7/40

All: 168.614+/-482.597 χ^2/NDF: 74.2/79



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: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

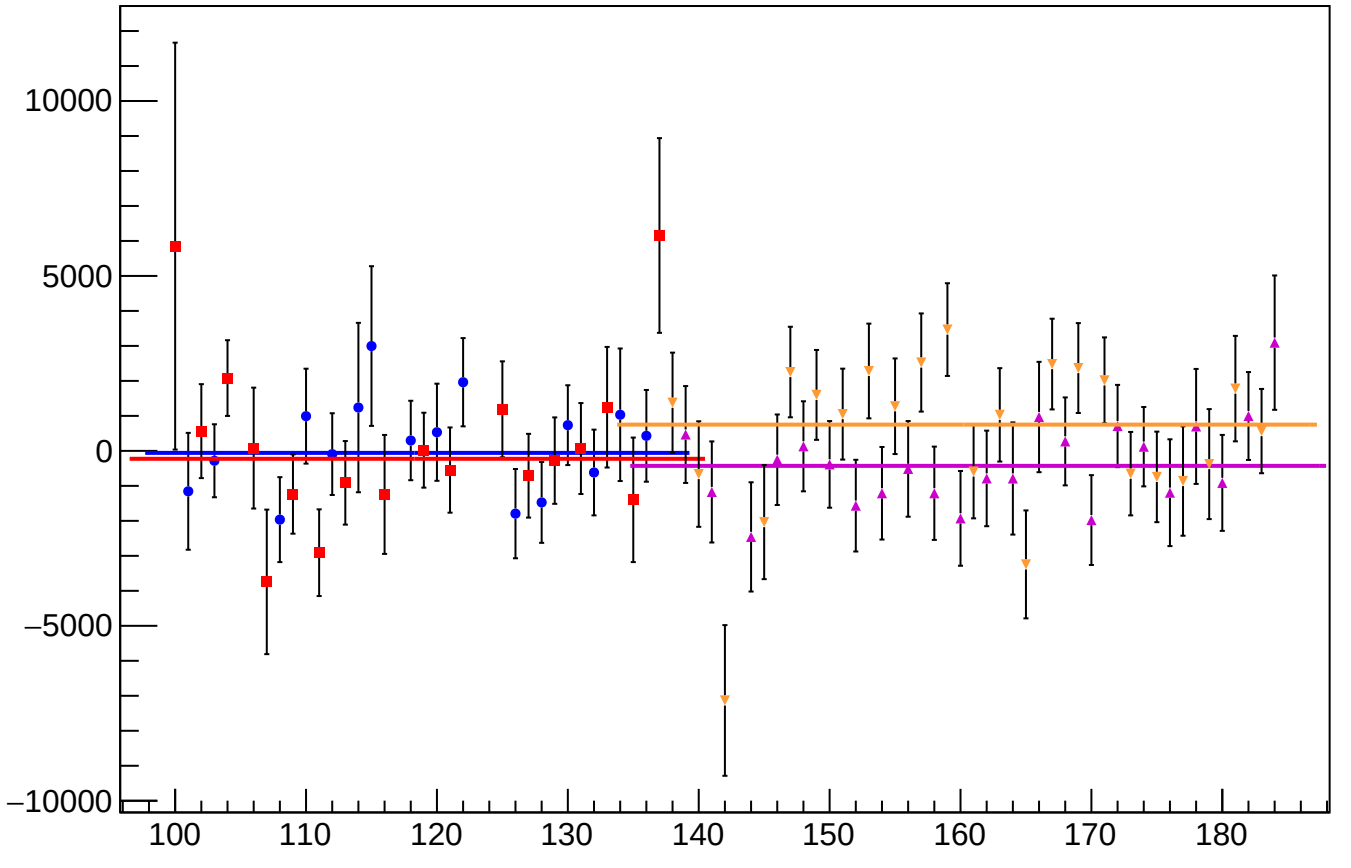
Left: 4166.063+/-0.499 χ^2/NDF: 2718262.4/45

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3356.112+/-0.494 χ^2/NDF:4561695.2/38

Out: 3174.118+/-0.472 χ^2/NDF:5567753.9/40

All: 3261.055+/-0.341 χ^2/NDF: 10200414.8/7



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: -428.050+/-284.383 χ^2/NDF:14.6/22

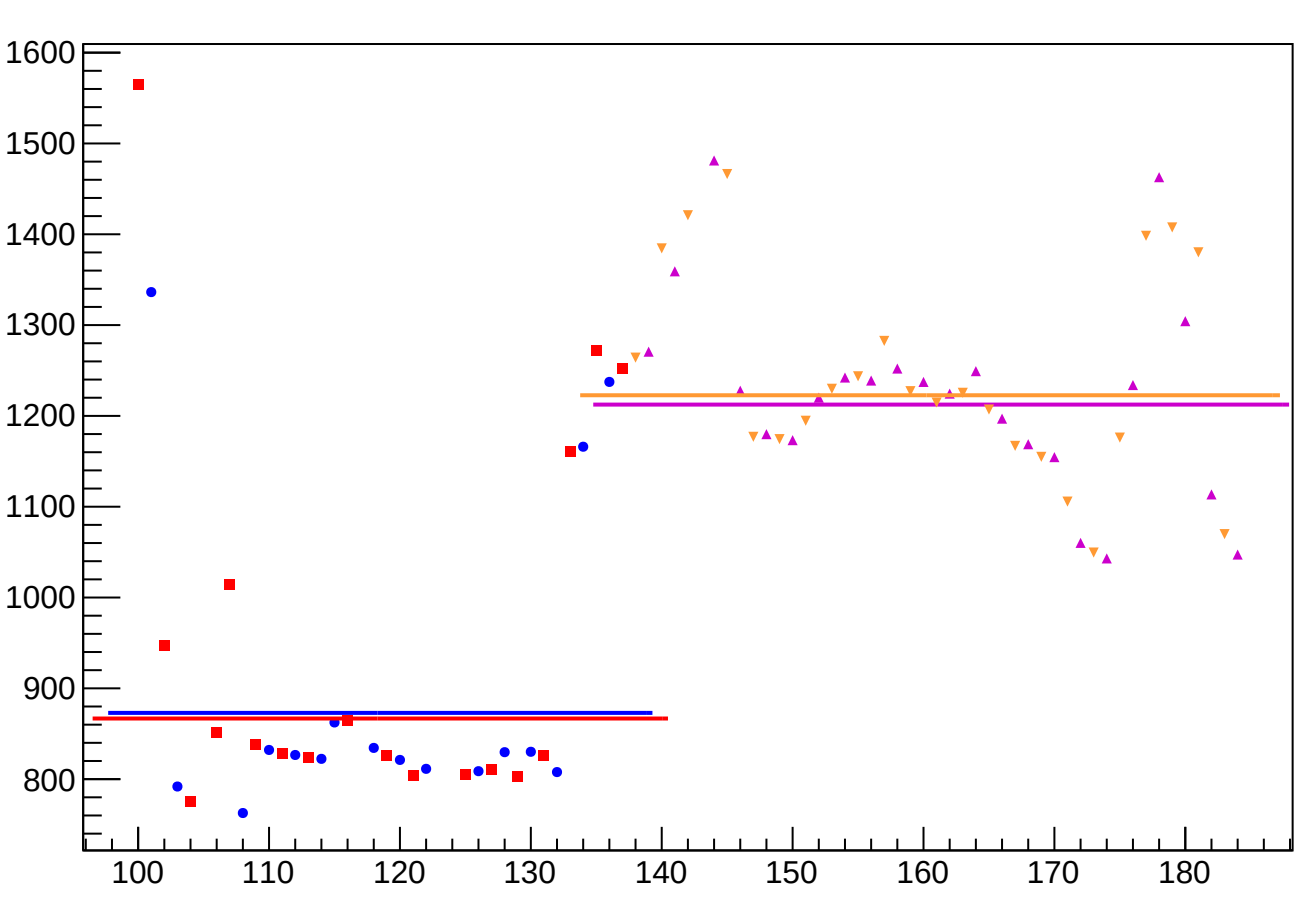
Left: 155.384+/-202.092 χ^2/NDF: 66.5/45

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -270.062+/-215.451 χ^2/NDF:28.3/38

Out: 326.784+/-216.112 χ^2/NDF:71.4/40

All: 27.447+/-152.580 χ^2/NDF: 103.5/79



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: 1212.448+/-0.201 χ^2/NDF:260330.4/22

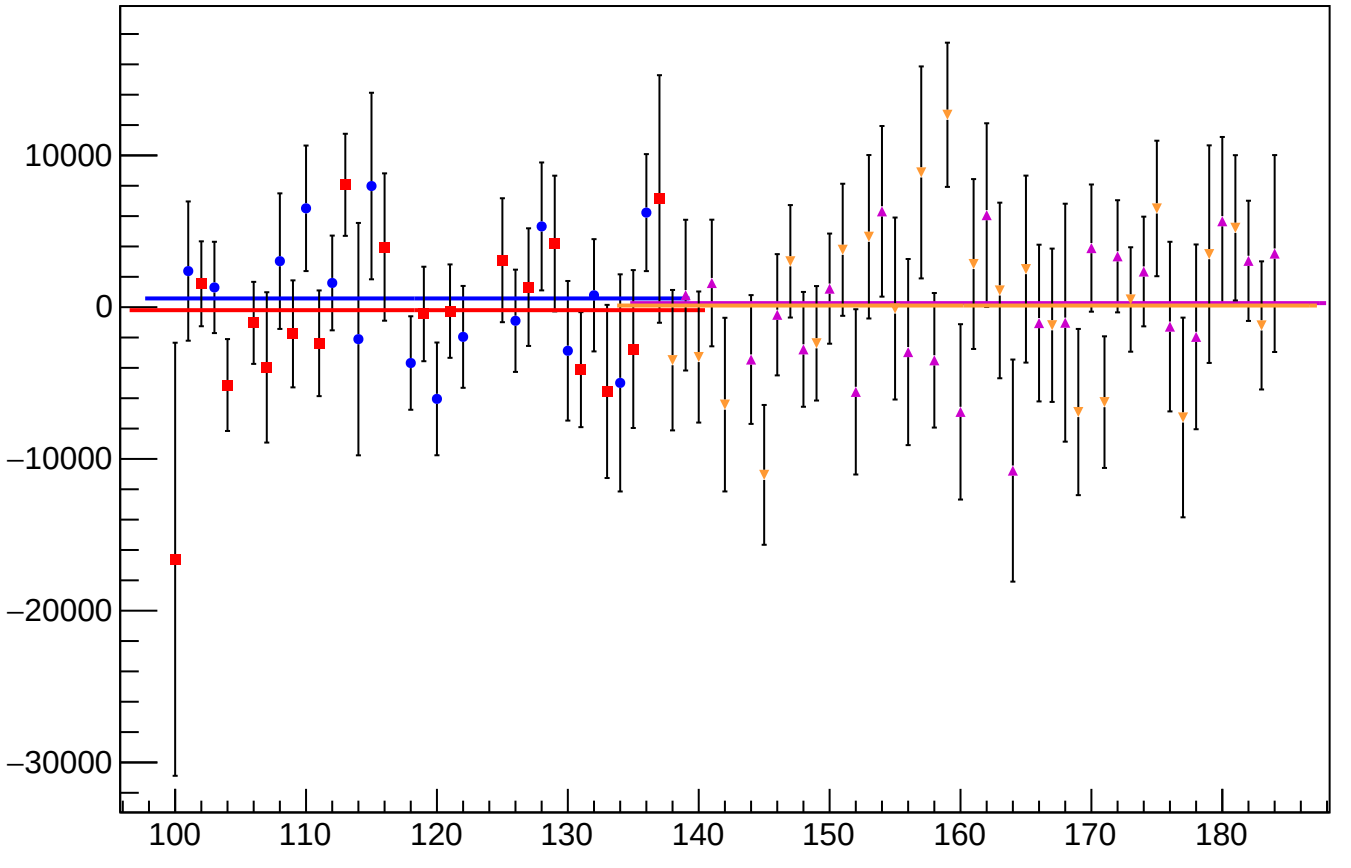
Left: 1217.540+/-0.143 χ^2/NDF: 537744.8/45

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1067.821+/-0.152 χ^2/NDF:1891602.9/38

Out: 1068.096+/-0.153 χ^2/NDF:1900827.4/40

All: 1067.959+/-0.108 χ^2/NDF: 3792431.9/79



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: 266.236+/-990.085 χ^2/NDF:13.4/22

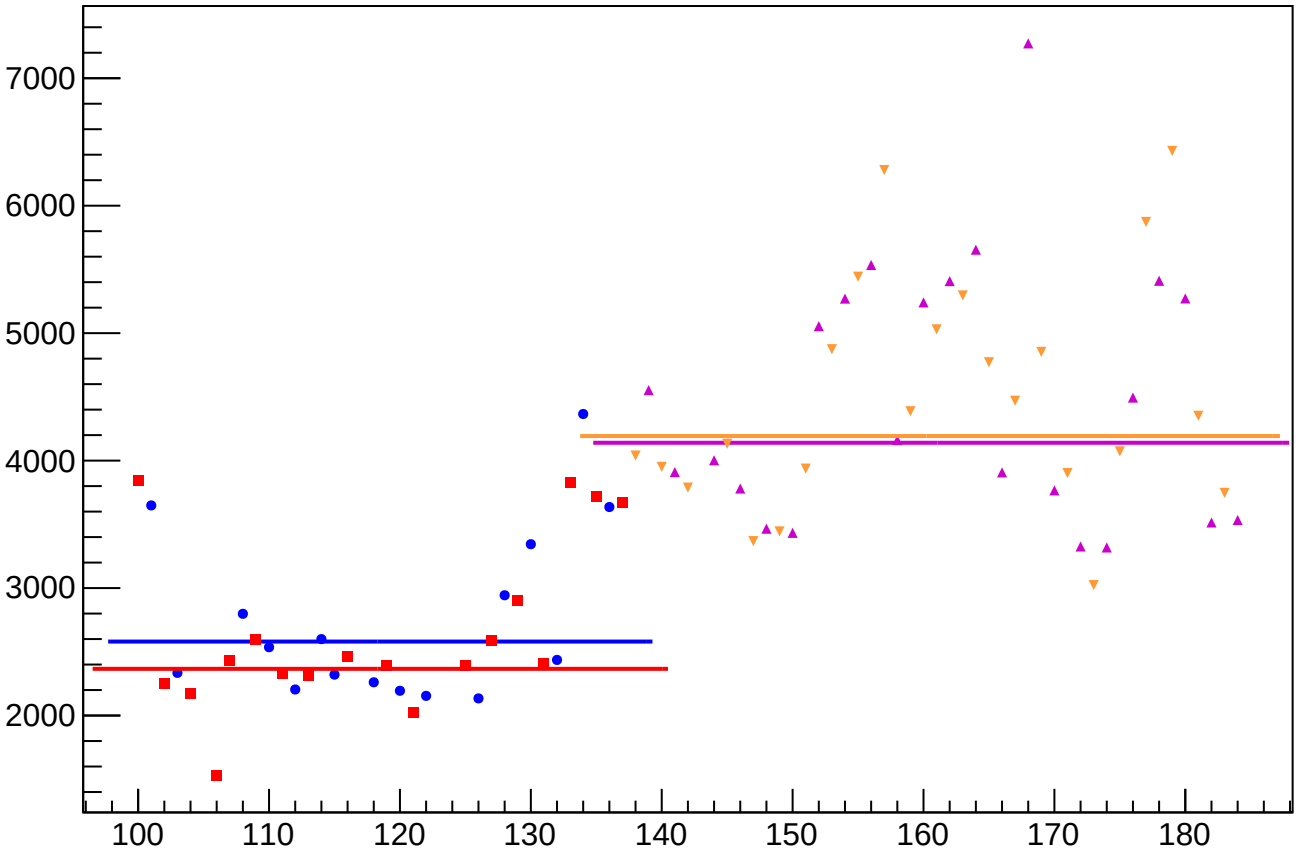
Left: 188.145+/-705.012 χ^2/NDF: 42.0/45

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 421.565+/-698.250 χ^2/NDF:28.2/38

Out: -62.730+/-667.761 χ^2/NDF:45.7/40

All: 168.613+/-482.597 χ^2/NDF: 74.2/79



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: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

Left: 4166.071+/-0.499 χ^2/NDF: 2718262.6/45

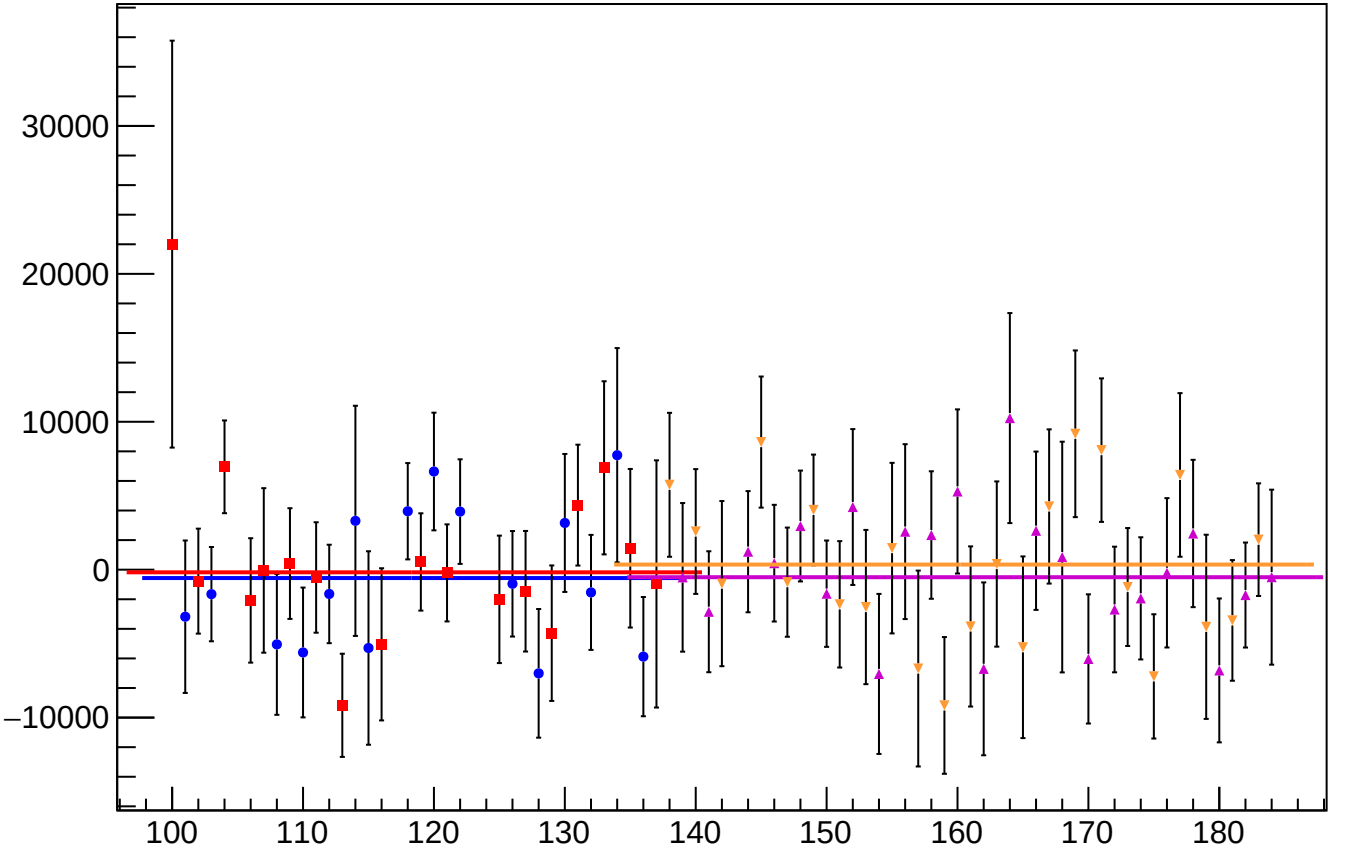
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3356.107+/-0.494 χ^2/NDF:4561756.6/38

Out: 3174.113+/-0.472 χ^2/NDF:5567817.8/40

All: 3261.050+/-0.341 χ^2/NDF: 10200540.3/7

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: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -86.392+/-693.076 χ^2/NDF: 39.2/45

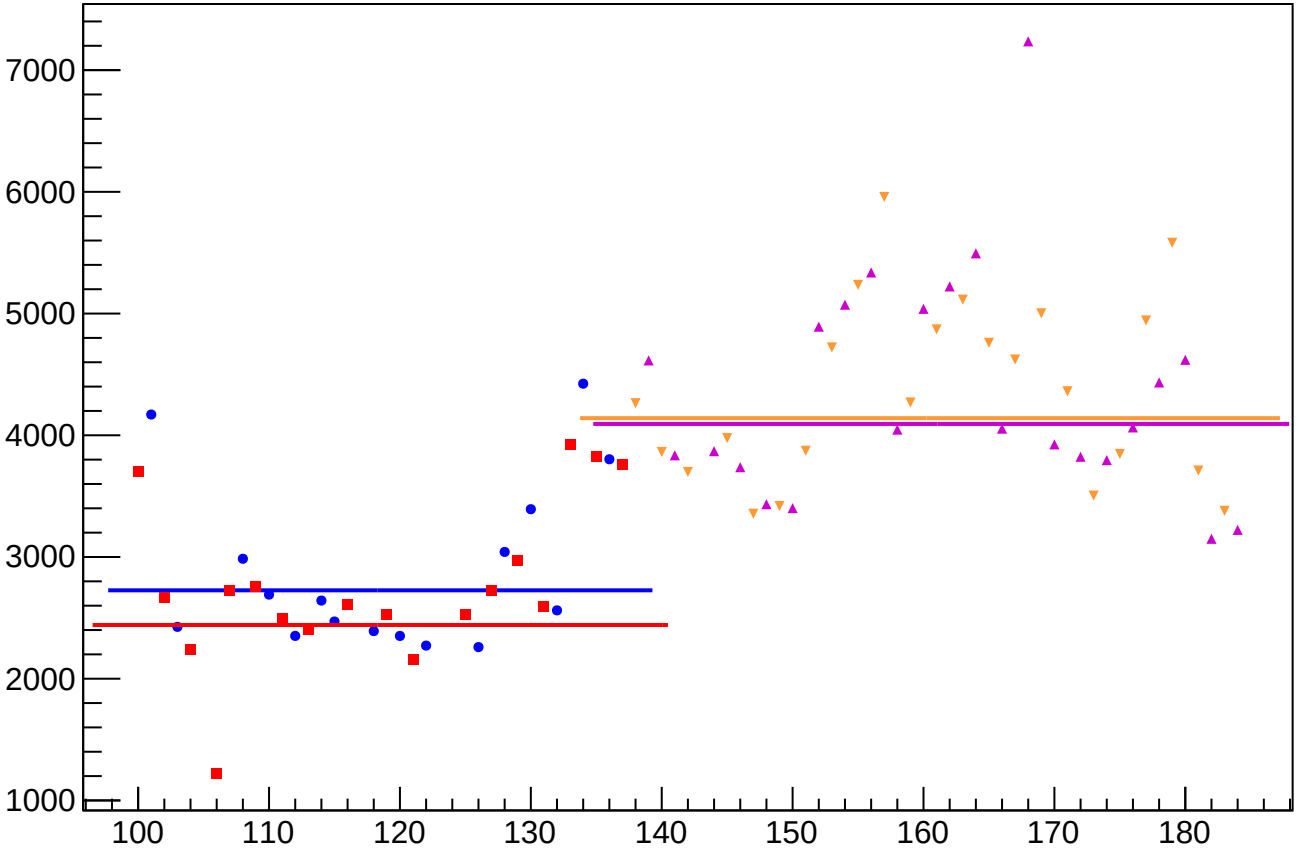
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -535.688+/-711.078 χ^2/NDF:29.7/38

Out: 84.669+/-698.141 χ^2/NDF:45.0/40

All: -219.815+/-498.171 χ^2/NDF: 75.1/79

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: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

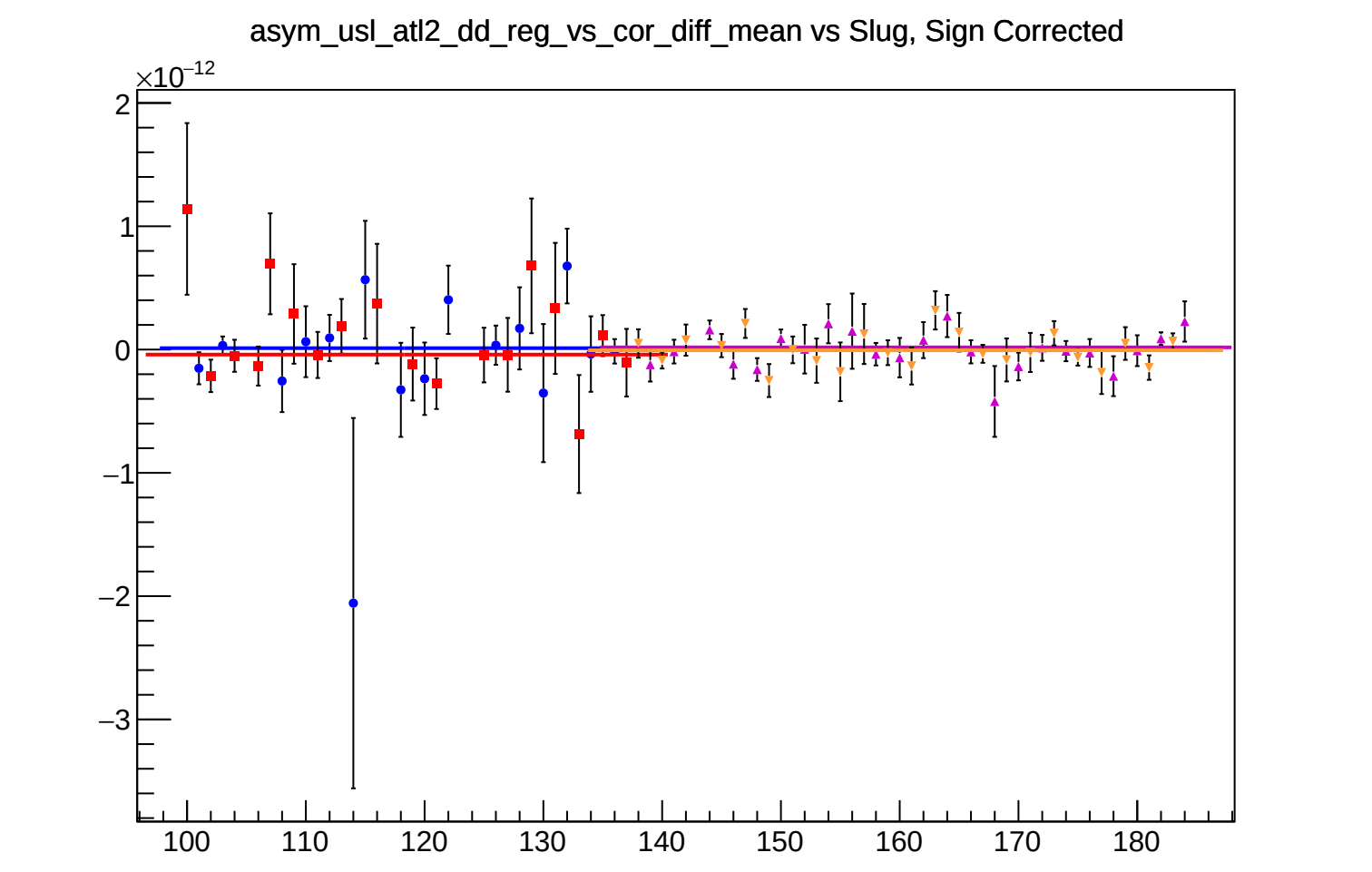
Left: 4116.595+/-0.490 χ^2/NDF: 2109949.6/45

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3454.477+/-0.503 χ^2/NDF:3625416.4/38

Out: 3253.135+/-0.482 χ^2/NDF:4937152.8/40

All: 3349.554+/-0.348 χ^2/NDF: 8646129.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/17

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

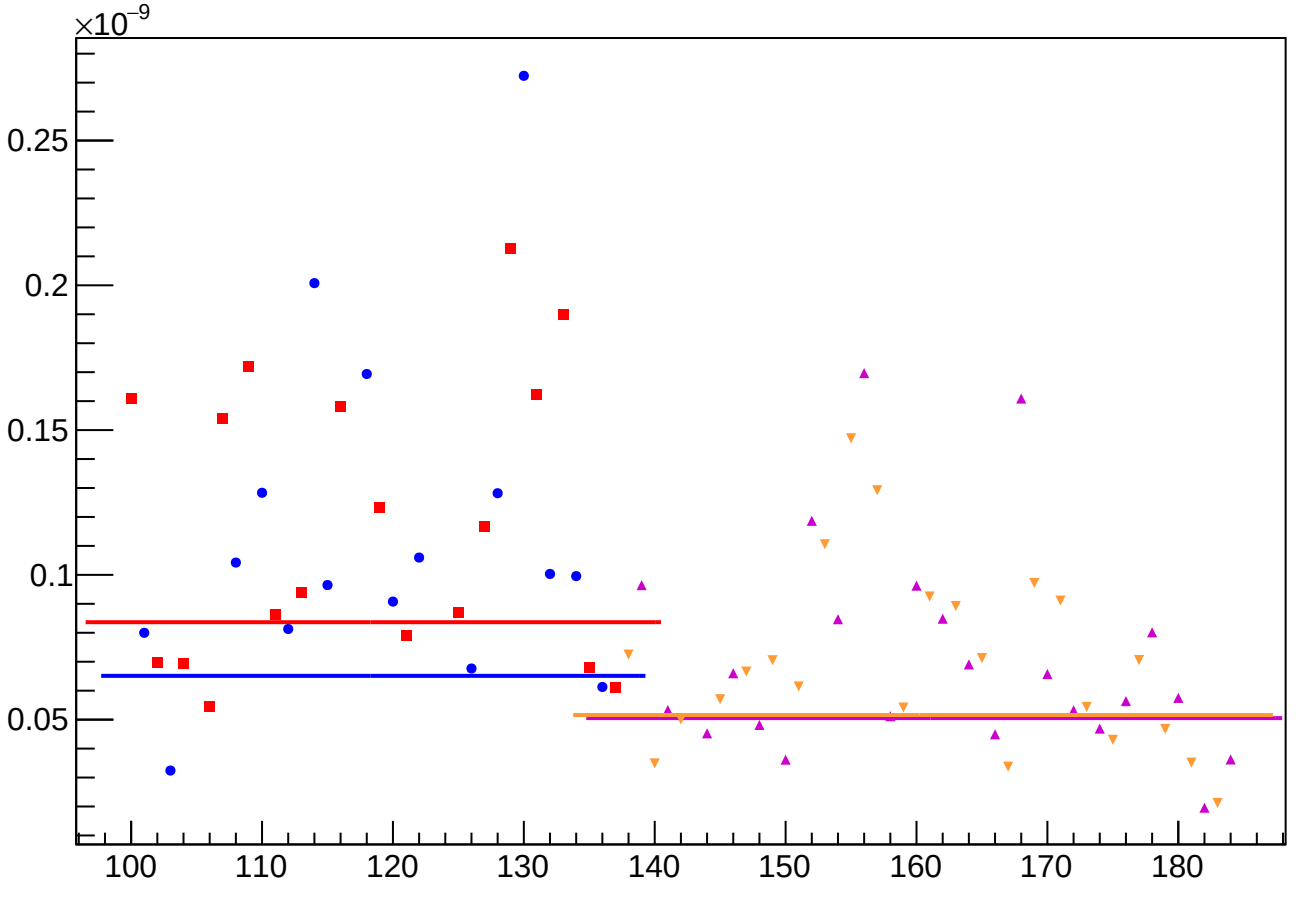
Left: 0.000+/-0.000 χ^2/NDF: 50.0/45

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:41.1/38

Out: -0.000+/-0.000 χ^2/NDF:41.1/40

All: 0.000+/-0.000 χ^2/NDF: 83.1/79



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:2433650.3/22

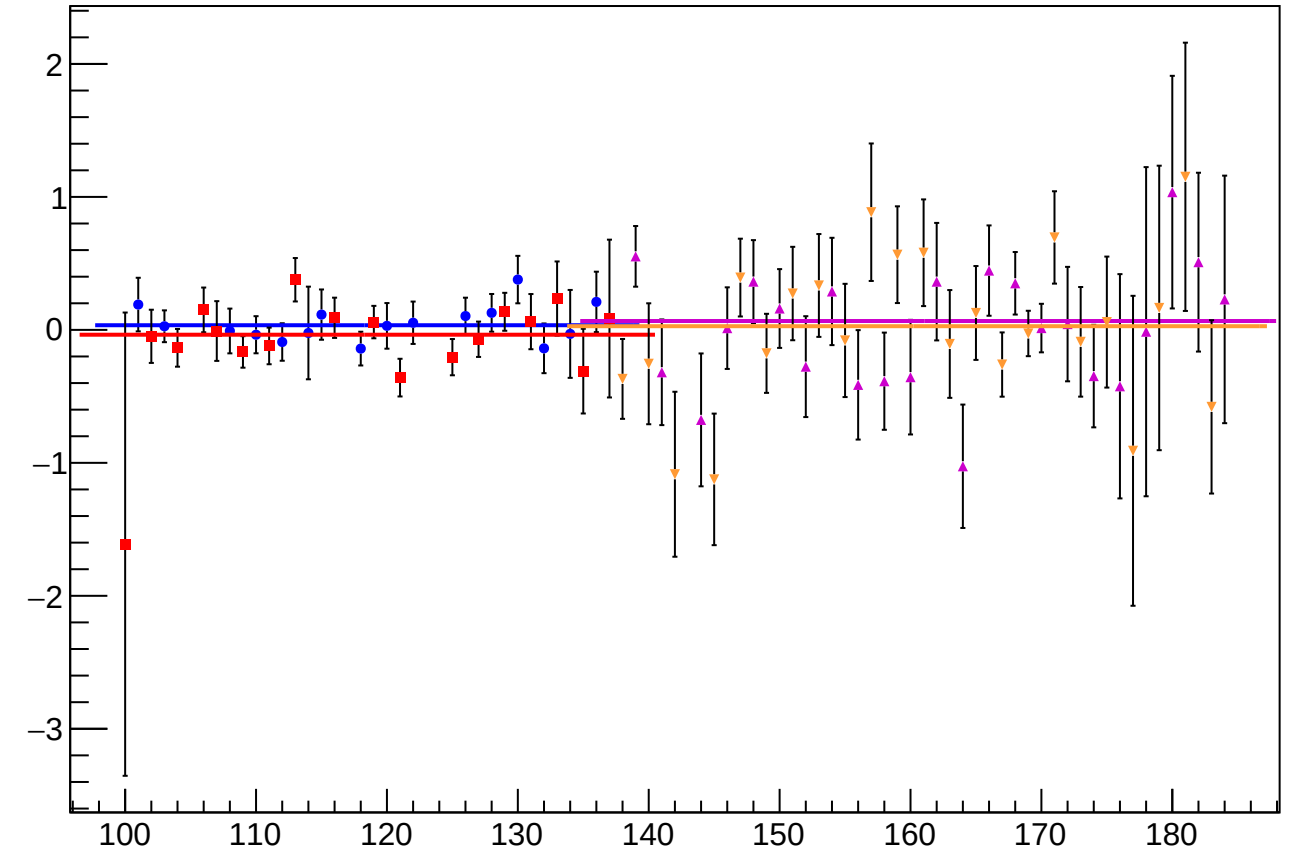
Left: 0.000+/-0.000 χ^2/NDF: 4705099.5/45

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:3831906.7/38

Out: 0.000+/-0.000 χ^2/NDF:3575239.6/40

All: 0.000+/-0.000 χ^2/NDF: 7428476.0/79



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: 0.067+/-0.075 χ^2/NDF:25.7/22

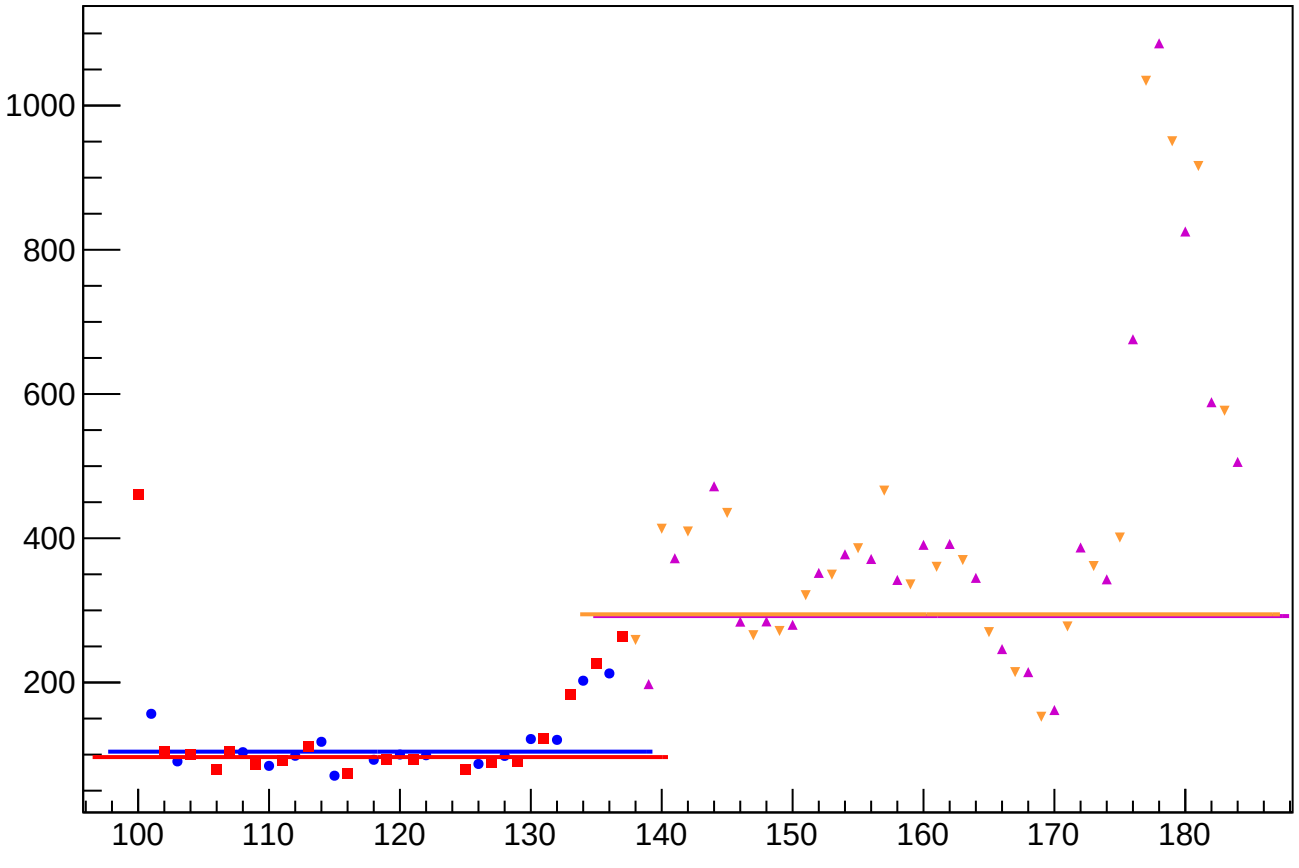
Left: 0.048+/-0.053 χ^2/NDF: 54.9/45

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.036 χ^2/NDF:35.6/38

Out: -0.023+/-0.035 χ^2/NDF:51.7/40

All: 0.008+/-0.025 χ^2/NDF: 89.0/79



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: 292.100+/-0.053 χ^2/NDF:5055737.7/22

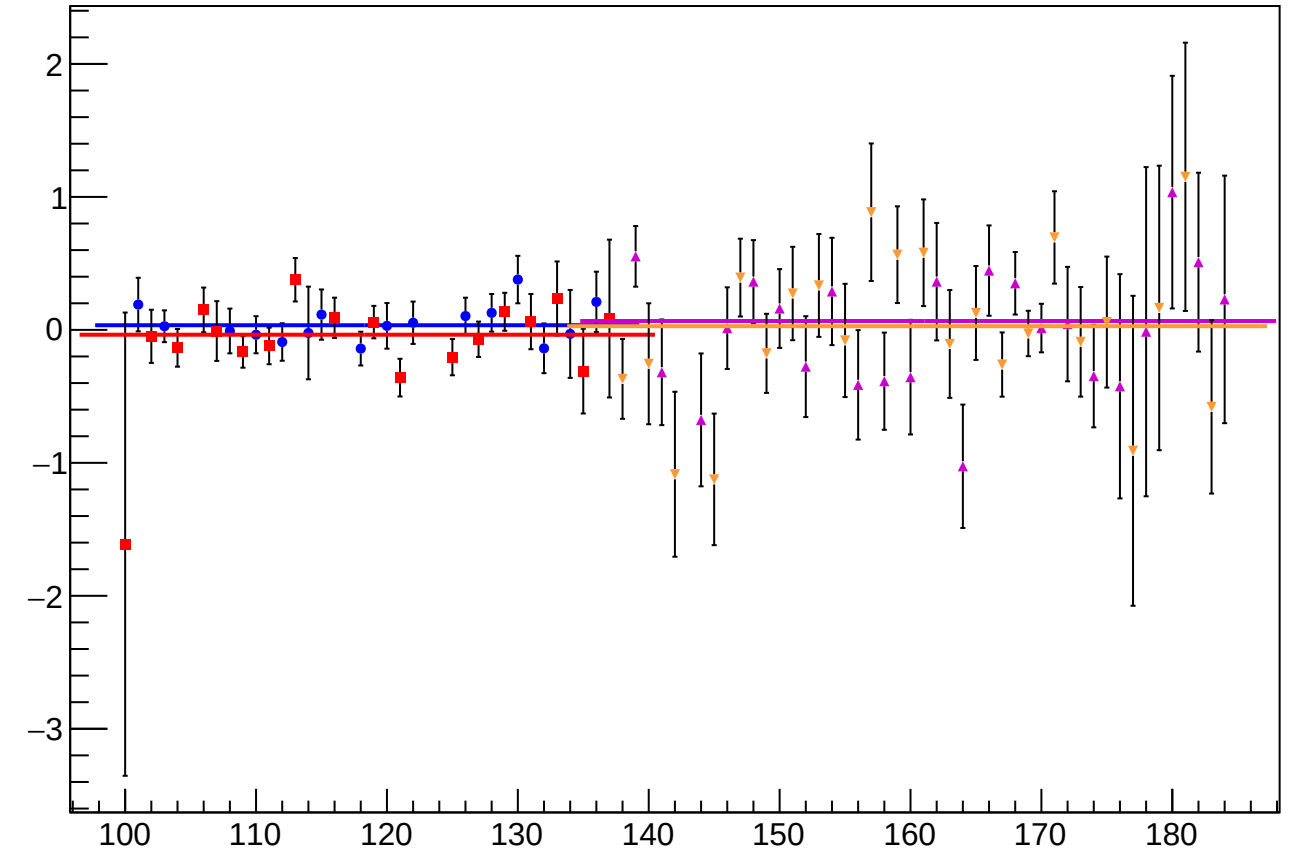
Left: 293.298+/-0.038 χ^2/NDF: 10453245.8/45

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 147.655+/-0.025 χ^2/NDF:15773373.2/38

Out: 137.494+/-0.024 χ^2/NDF:17060757.7/40

All: 142.385+/-0.018 χ^2/NDF: 32916920.2/79



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: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.048+/-0.053 χ^2/NDF: 54.9/45

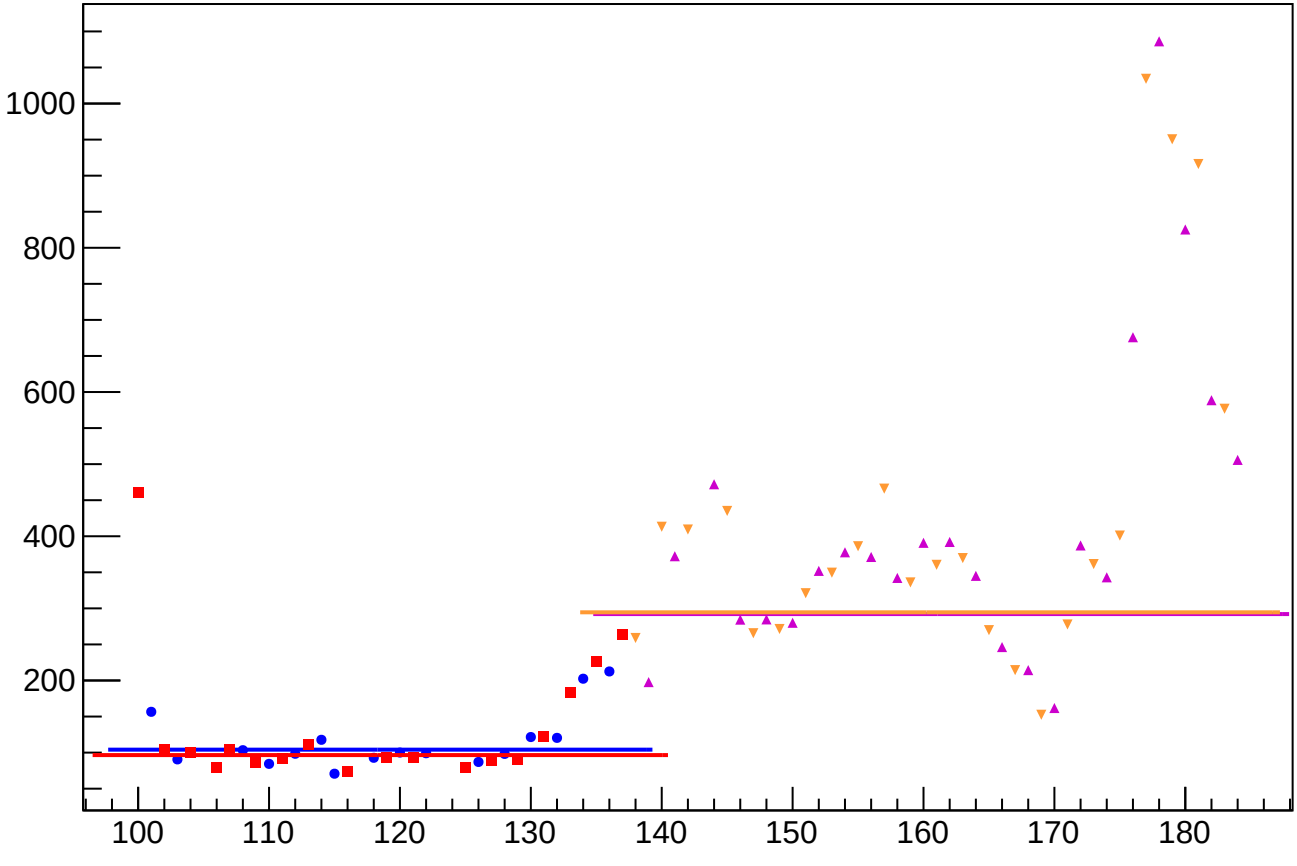
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.036 χ^2/NDF:35.6/38

Out: -0.023+/-0.035 χ^2/NDF:51.7/40

All: 0.008+/-0.025 χ^2/NDF: 89.0/79

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: 292.100+/-0.053 χ^2/NDF:5055737.7/22

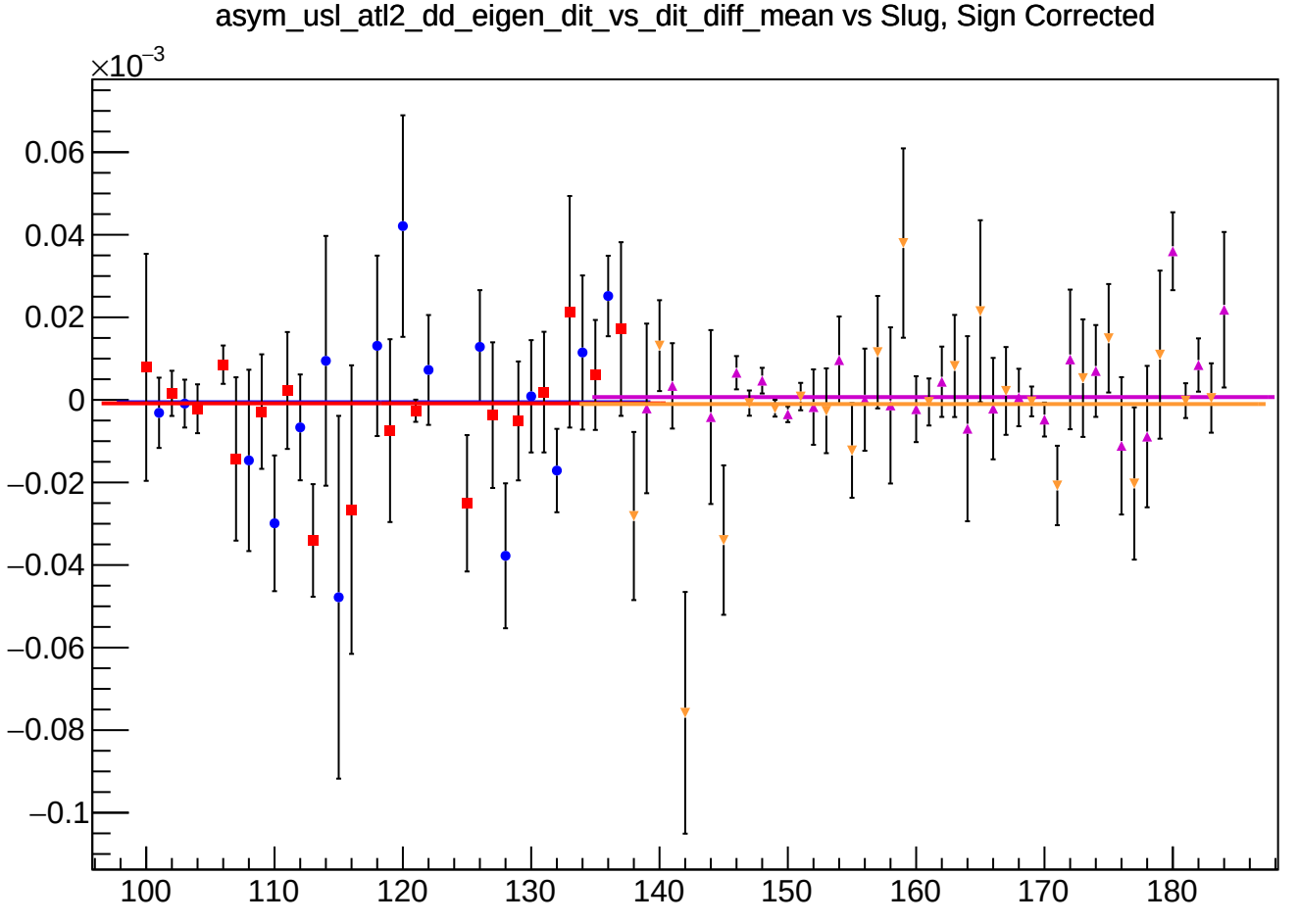
Left: 293.298+/-0.038 χ^2/NDF: 10453245.8/45

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 147.655+/-0.025 χ^2/NDF:15773373.2/38

Out: 137.494+/-0.024 χ^2/NDF:17060757.7/40

All: 142.385+/-0.018 χ^2/NDF: 32916920.2/79



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.6/22

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

Left: -0.000+/-0.000 χ^2/NDF: 58.4/45

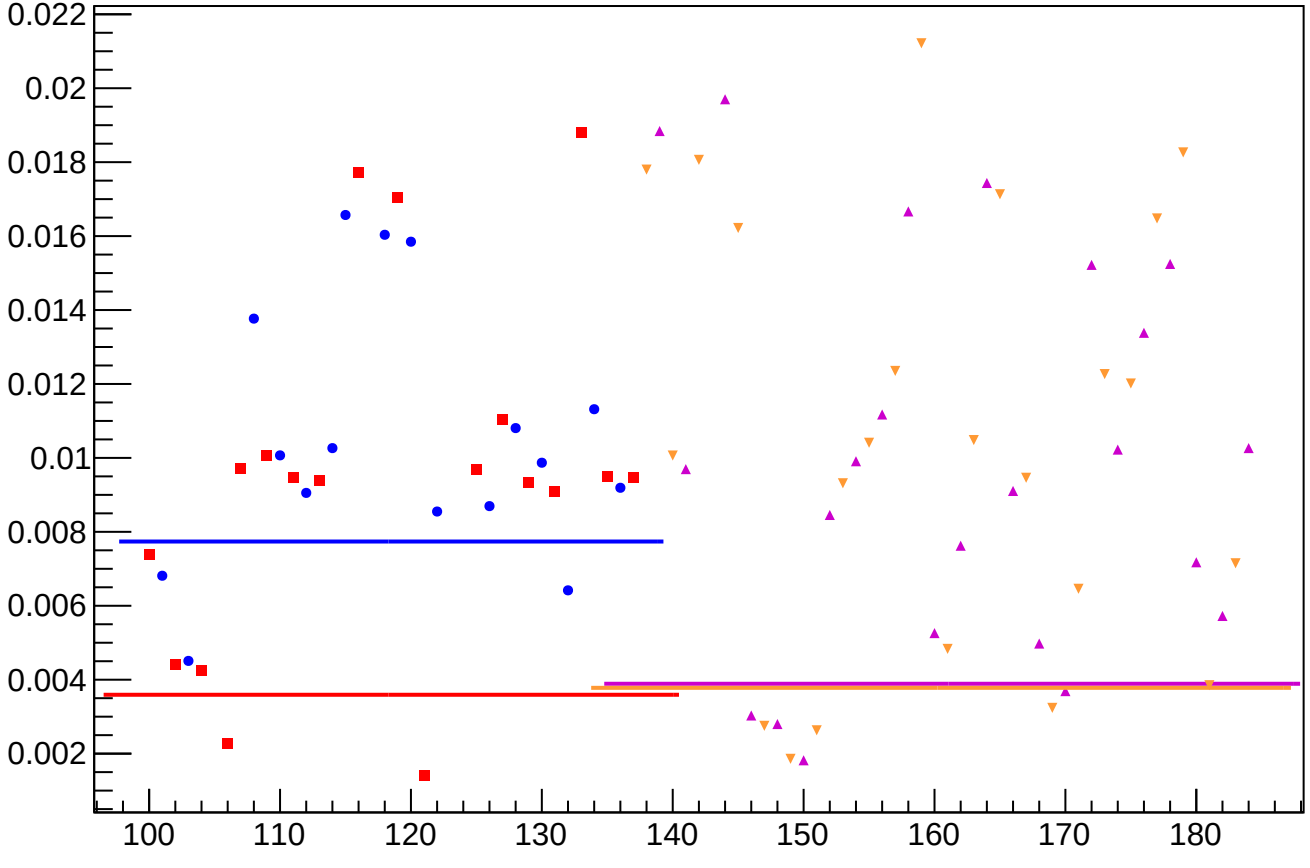
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: 0.000+/-0.000 χ^2/NDF:53.9/38

Out: -0.000+/-0.000 χ^2/NDF:43.5/40

All: -0.000+/-0.000 χ^2/NDF: 98.3/79

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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:13523554.3/22

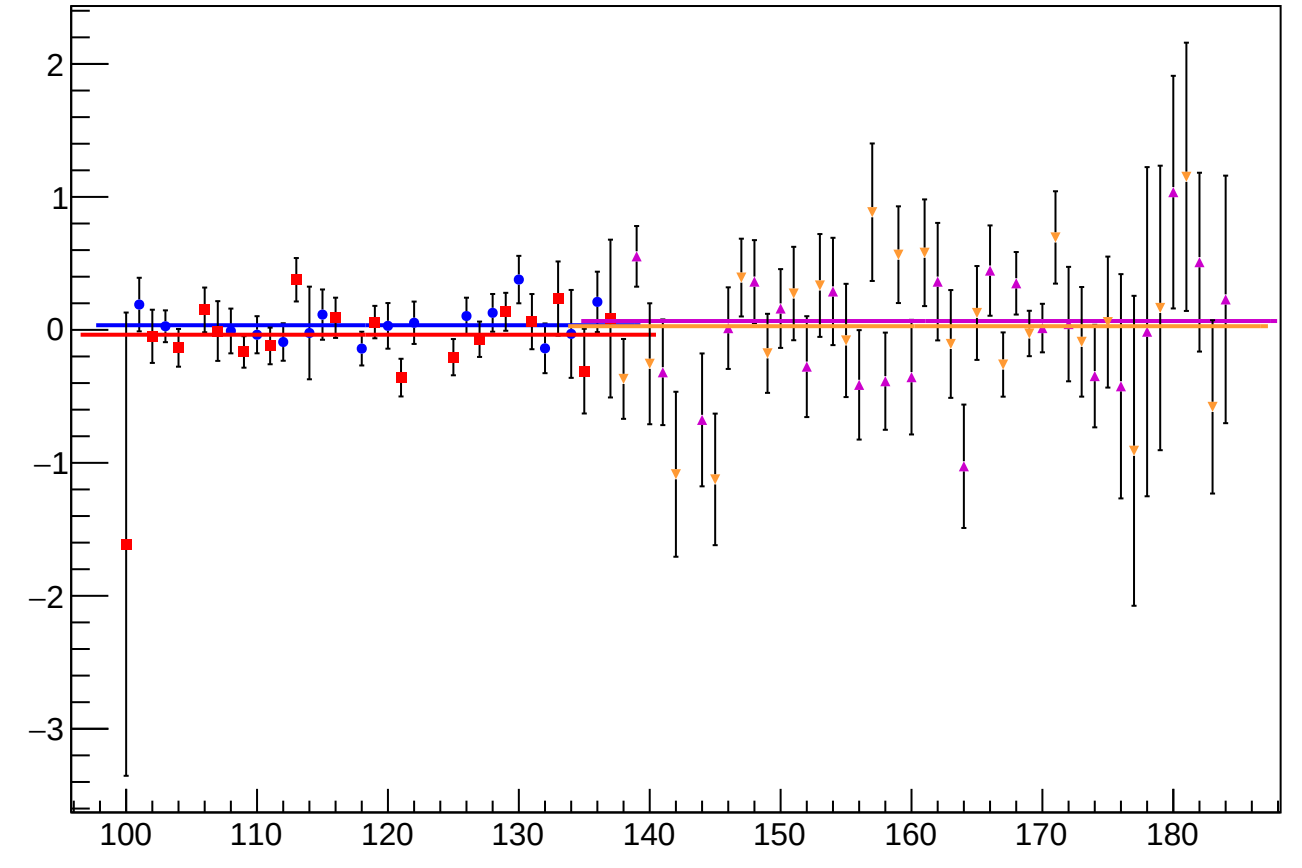
Left: 0.004+/-0.000 χ^2/NDF: 27934107.8/45

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:17866576.7/38

Out: 0.004+/-0.000 χ^2/NDF:20781847.0/40

All: 0.004+/-0.000 χ^2/NDF: 39058306.1/79



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: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.048+/-0.053 χ^2/NDF: 54.9/45

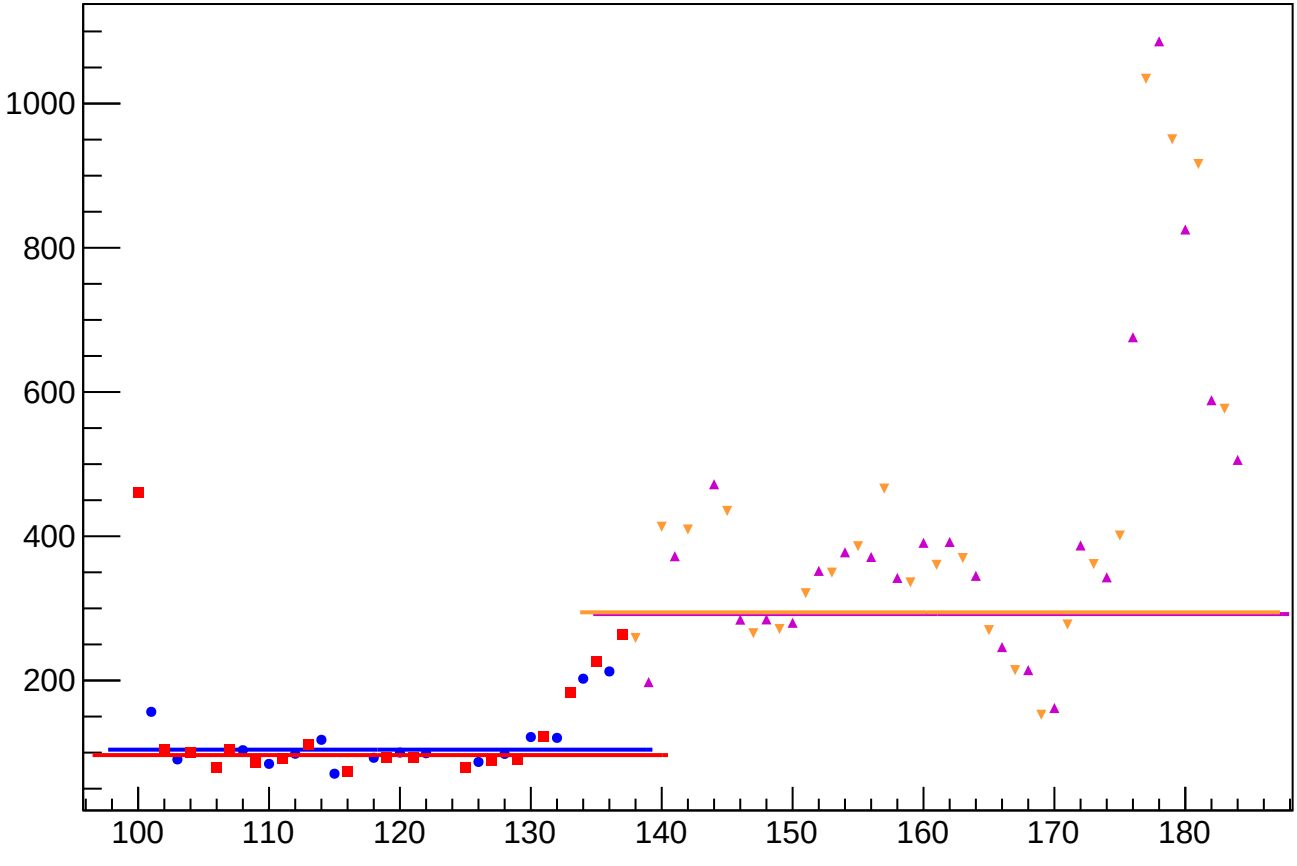
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.036 χ^2/NDF:35.6/38

Out: -0.023+/-0.035 χ^2/NDF:51.7/40

All: 0.008+/-0.025 χ^2/NDF: 89.0/79

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: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.300+/-0.038 χ^2/NDF: 10453260.9/45

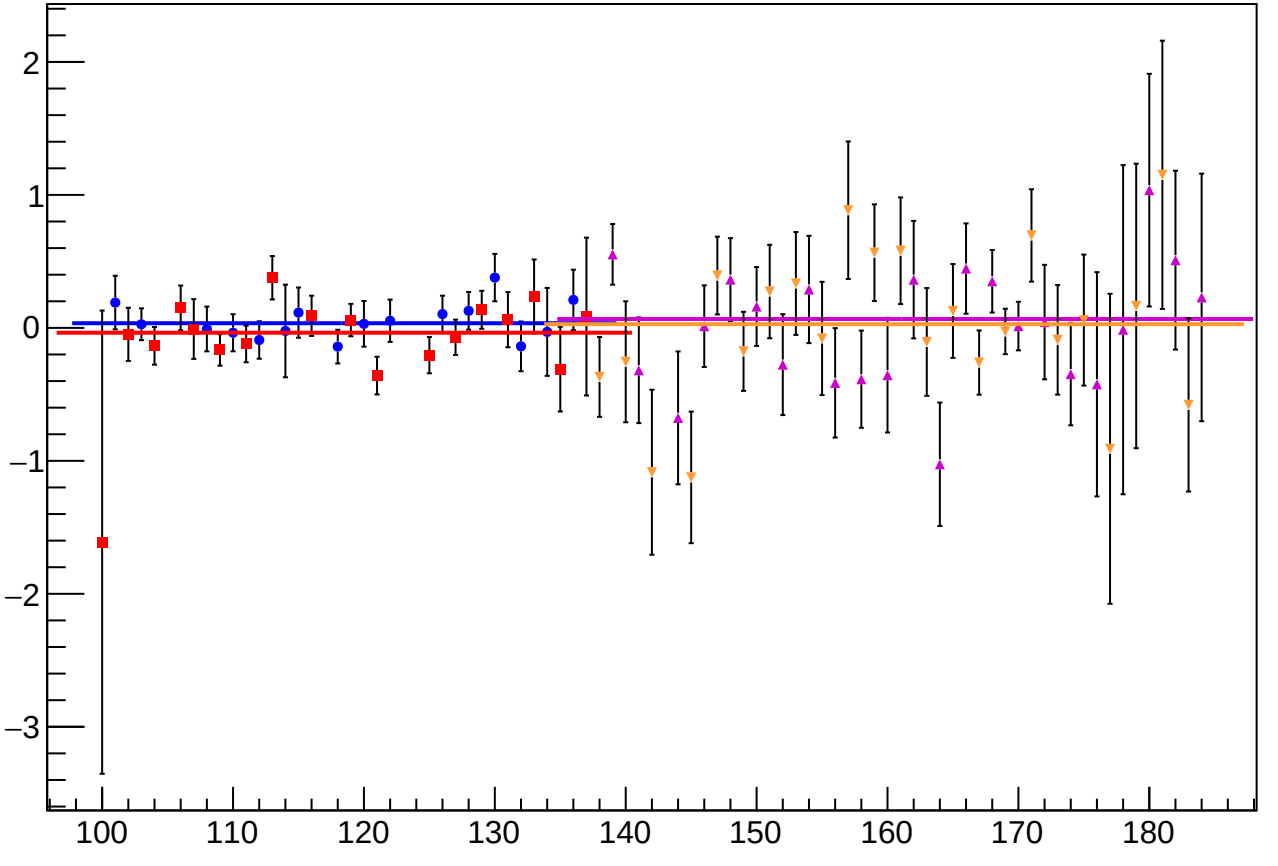
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 147.656+/-0.025 χ^2/NDF:15773350.4/38

Out: 137.496+/-0.024 χ^2/NDF:17060641.9/40

All: 142.386+/-0.018 χ^2/NDF: 32916773.1/79

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: 0.067+/-0.075 χ^2/NDF:25.7/22

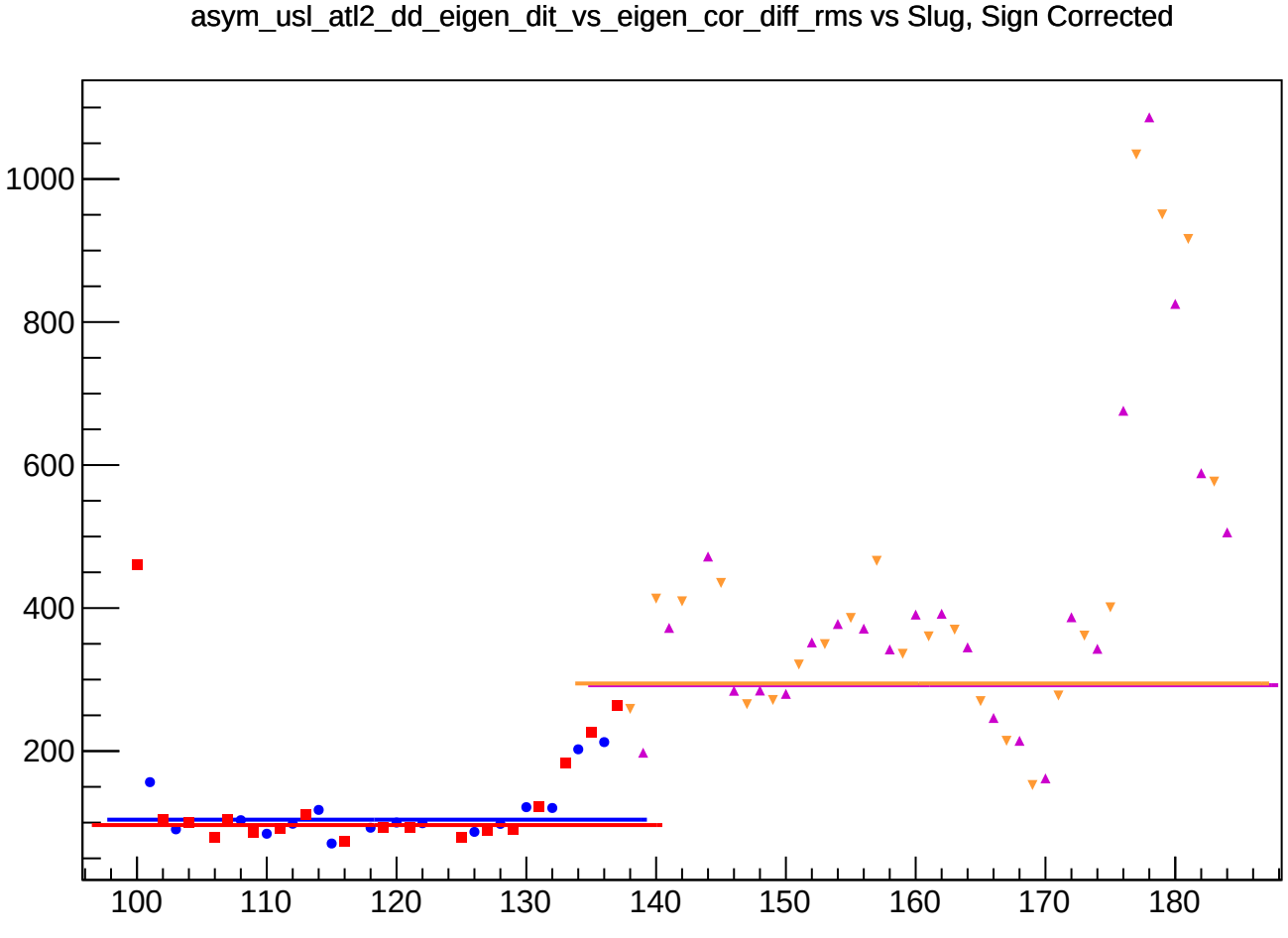
Left: 0.048+/-0.053 χ^2/NDF: 54.9/45

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.036 χ^2/NDF:35.6/38

Out: -0.023+/-0.035 χ^2/NDF:51.7/40

All: 0.008+/-0.025 χ^2/NDF: 89.0/79



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: 292.103+/-0.053 χ^2/NDF:5055695.7/22

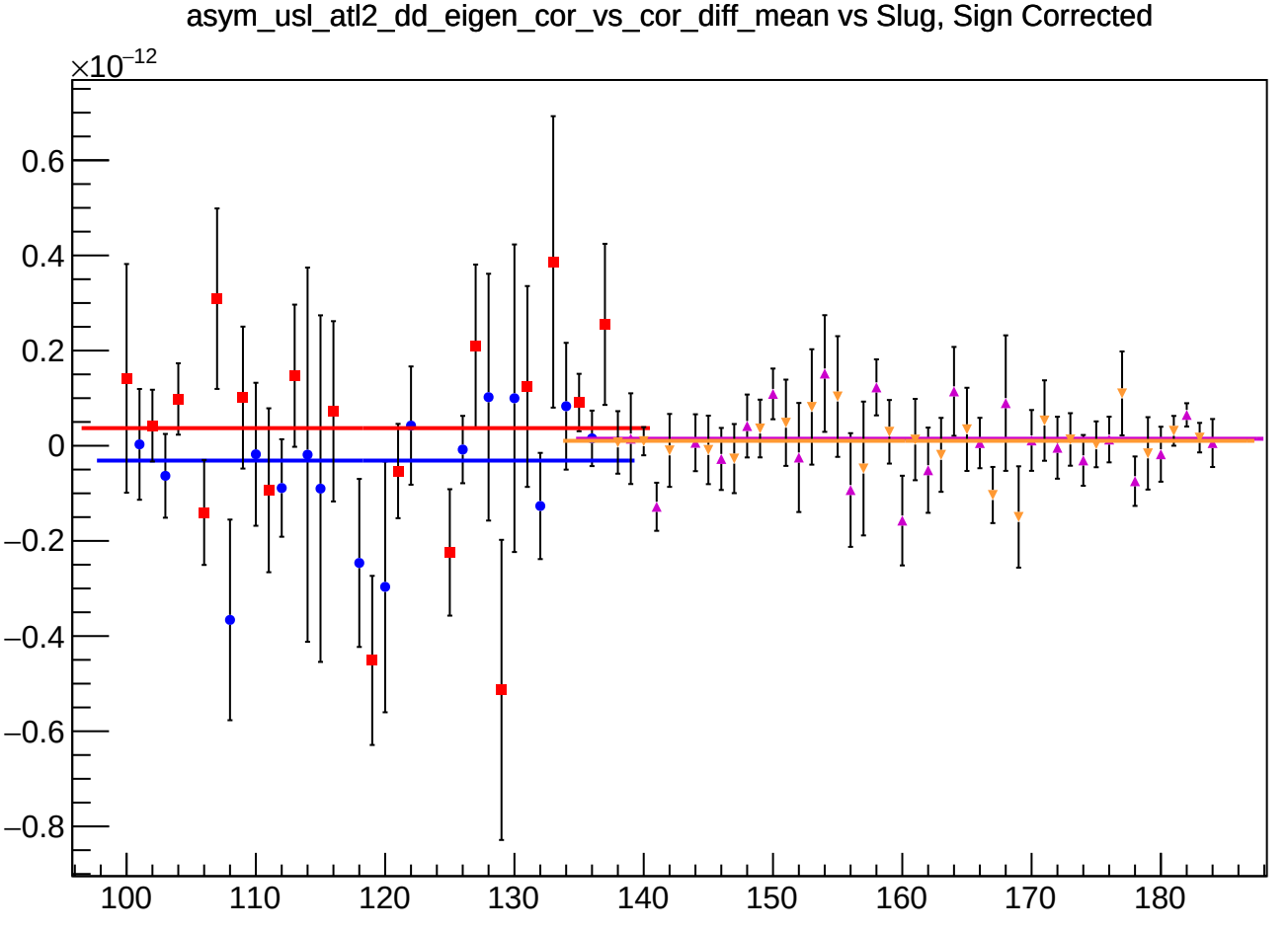
Left: 293.300+/-0.038 χ^2/NDF: 10453260.9/45

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 147.656+/-0.025 χ^2/NDF:15773350.4/38

Out: 137.496+/-0.024 χ^2/NDF:17060641.9/40

All: 142.386+/-0.018 χ^2/NDF: 32916773.1/79



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

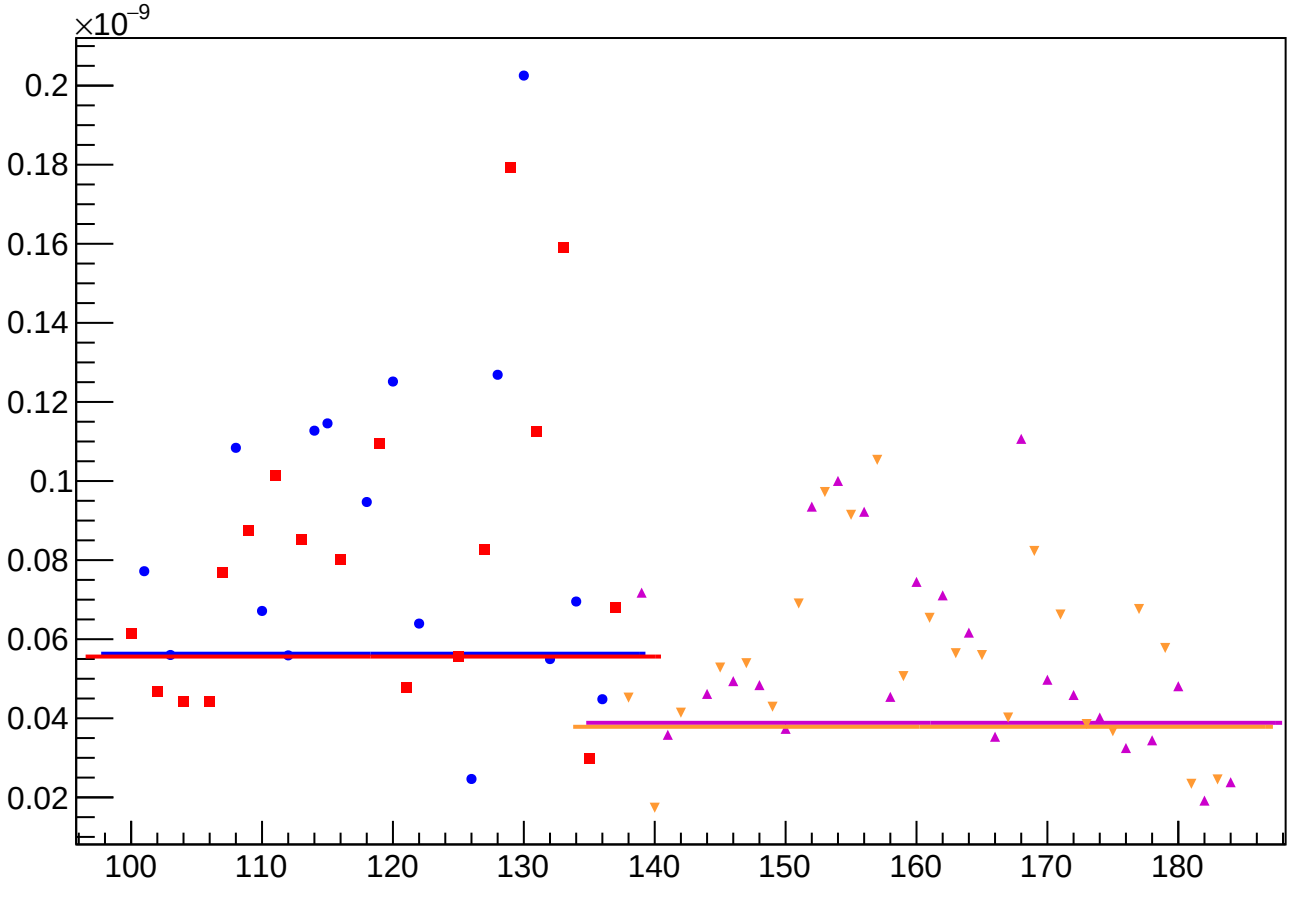
Left: 0.000+/-0.000 χ^2/NDF: 41.2/45

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: 0.000+/-0.000 χ^2/NDF:41.5/38

Out: 0.000+/-0.000 χ^2/NDF:38.1/40

All: 0.000+/-0.000 χ^2/NDF: 79.8/79



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:4577795.4/22

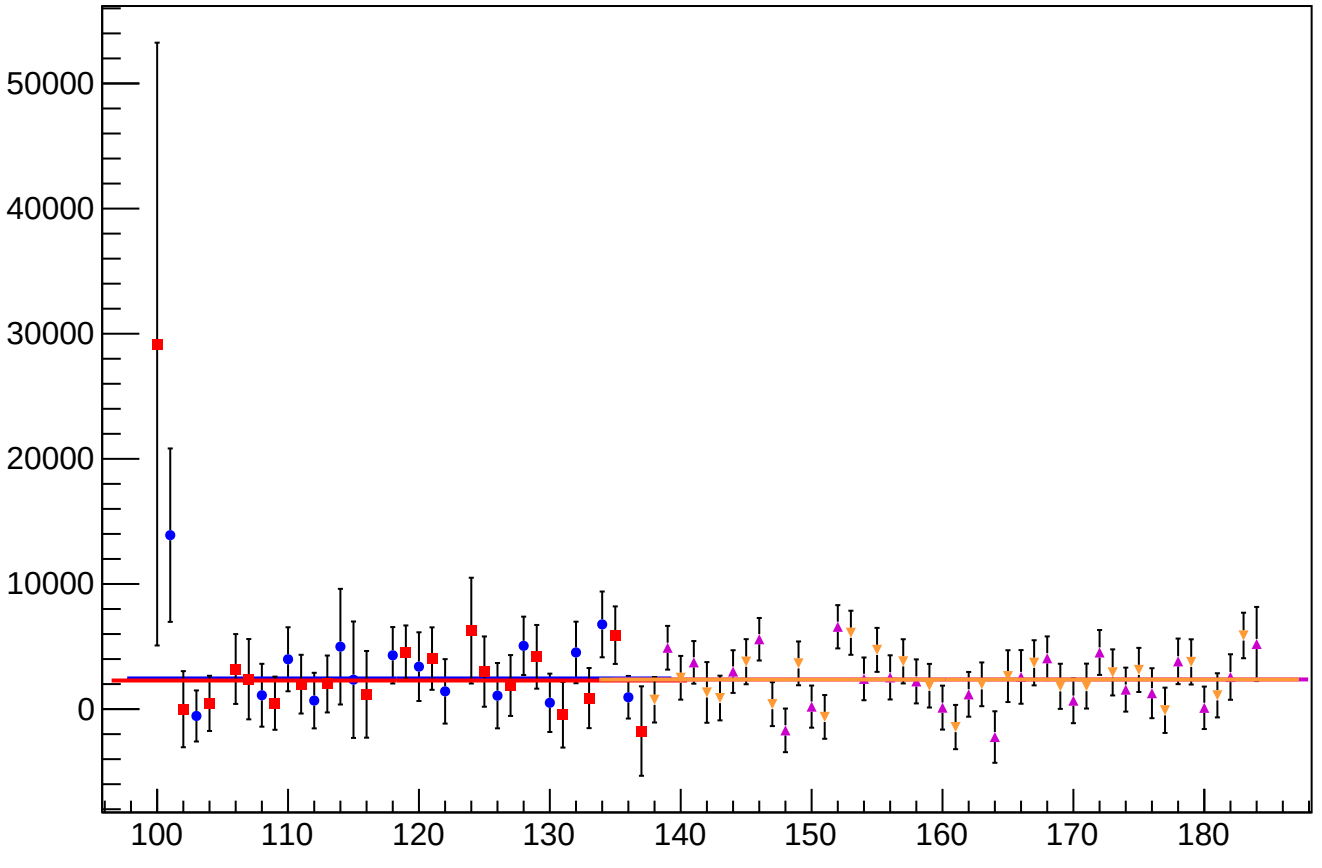
Left: 0.000+/-0.000 χ^2/NDF: 9520516.4/45

Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:6759911.2/38

Out: 0.000+/-0.000 χ^2/NDF:7350838.0/40

All: 0.000+/-0.000 χ^2/NDF: 14116134.1/79



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: 2370.629+/-376.798 χ^2/NDF:33.7/22

Left: 2367.230+/-263.553 χ^2/NDF: 60.2/46

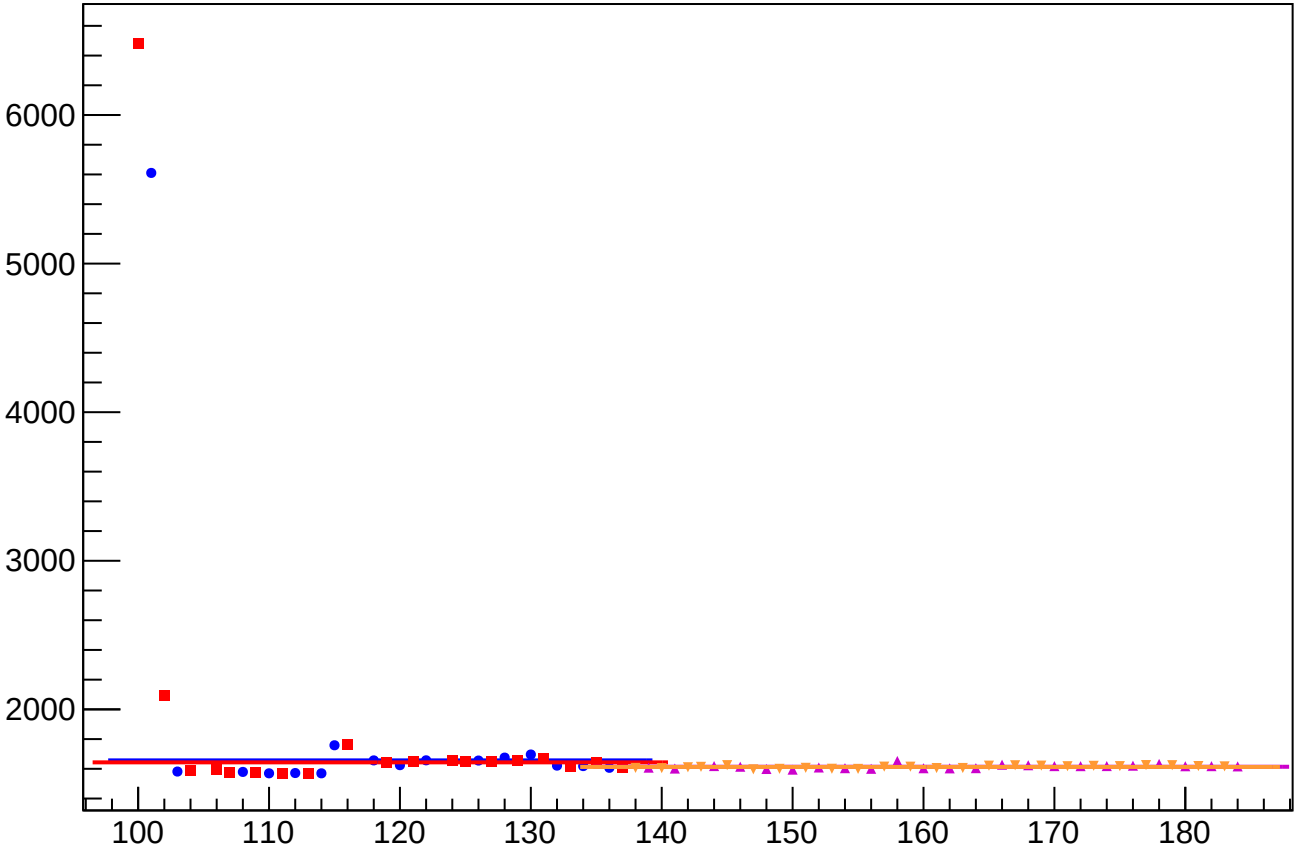
Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2391.518+/-323.405 χ^2/NDF:47.6/38

Out: 2343.216+/-315.468 χ^2/NDF:38.3/42

All: 2366.767+/-225.823 χ^2/NDF: 85.9/81

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: 1613.793+/-0.266 χ^2/NDF:2354.6/22

Left: 1613.175+/-0.186 χ^2/NDF: 3537.1/46

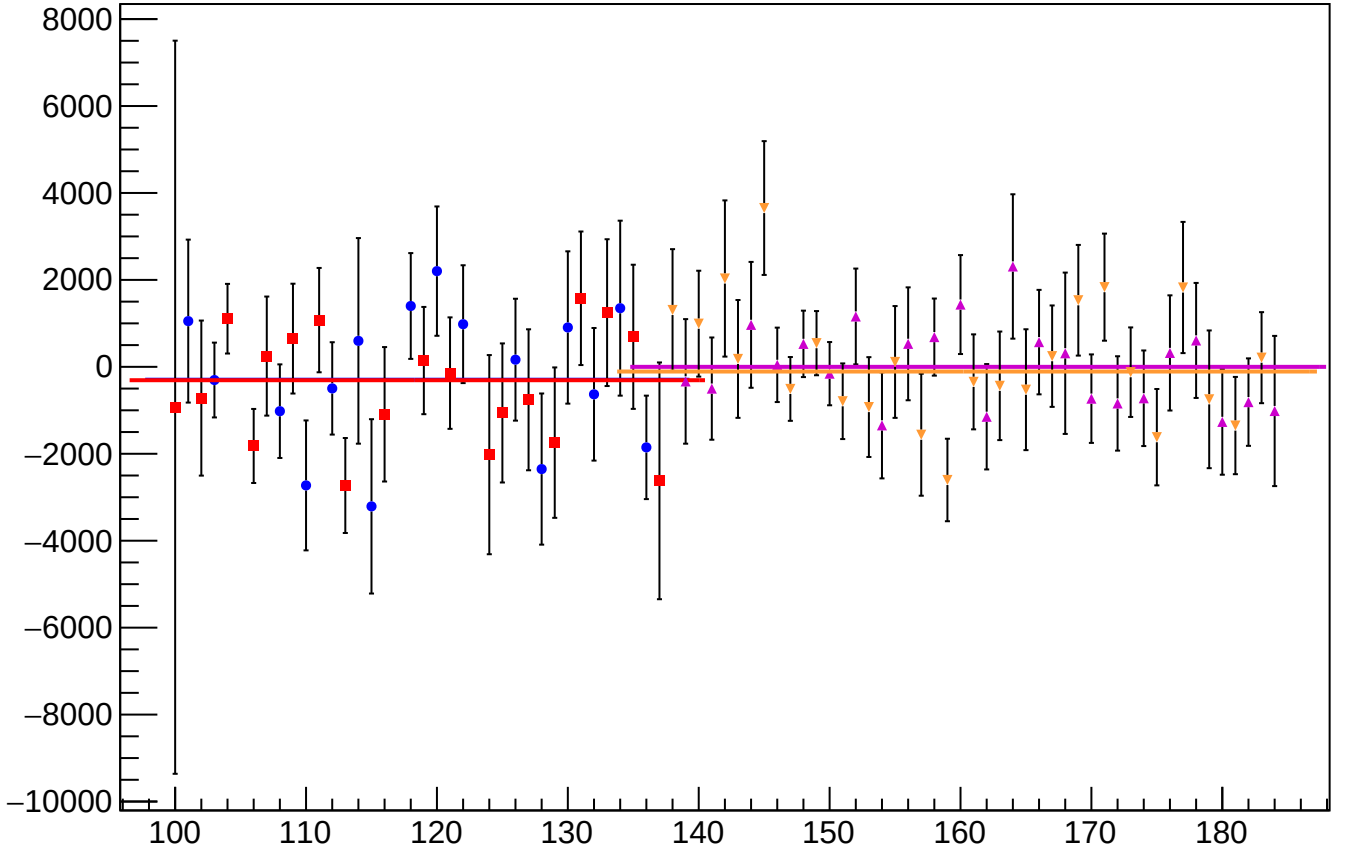
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1625.087+/-0.229 χ^2/NDF:675404.4/38

Out: 1620.857+/-0.223 χ^2/NDF:141922.7/42

All: 1622.919+/-0.160 χ^2/NDF: 817502.6/81

asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -107.819+/-230.845 χ^2/NDF:28.9/23

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

Left: -54.202+/-163.605 χ^2/NDF: 41.9/46

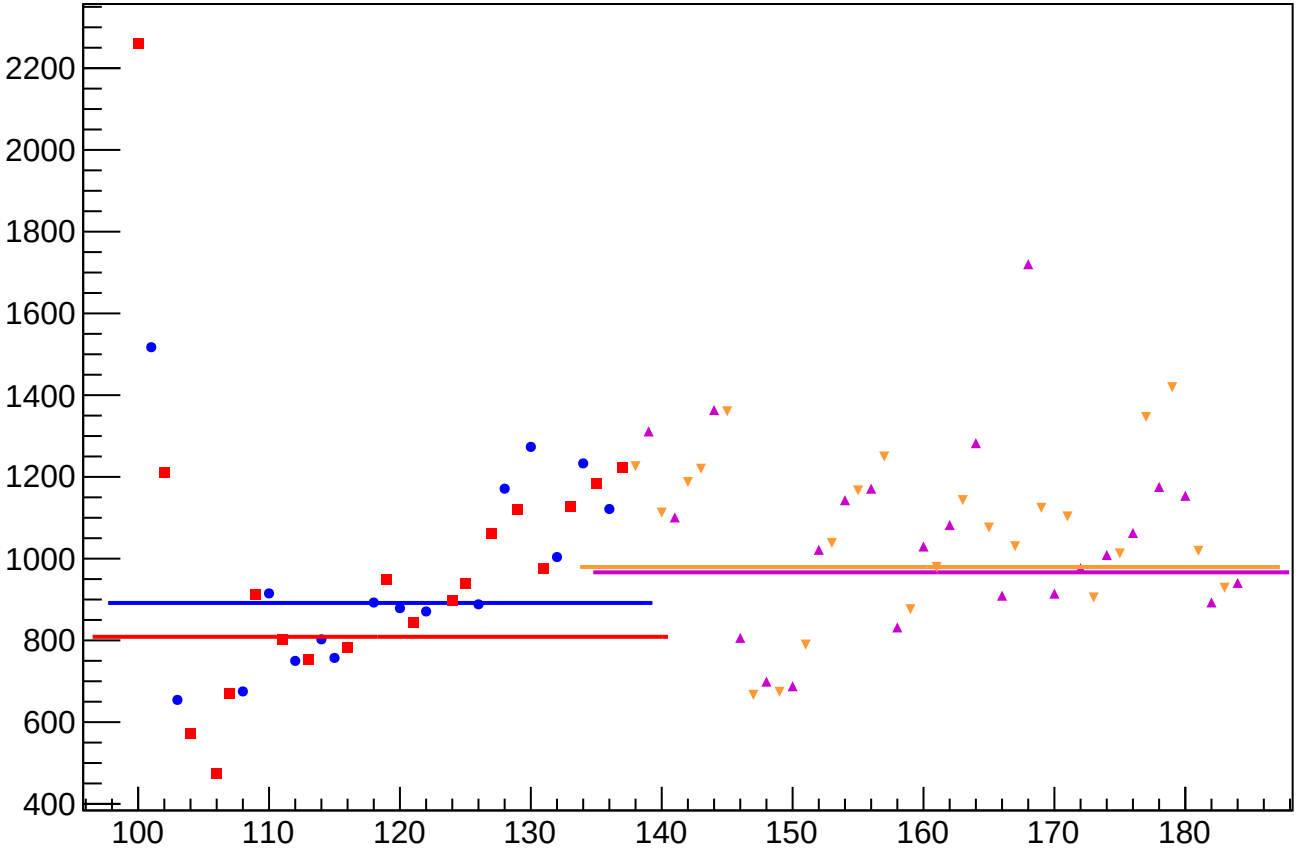
Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -92.901+/-192.191 χ^2/NDF:29.3/38

Out: -178.235+/-185.777 χ^2/NDF:47.9/42

All: -137.016+/-133.574 χ^2/NDF: 77.3/81

asym_usr_atr1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 979.642+/-0.163 χ^2/NDF:1630318.0/23

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

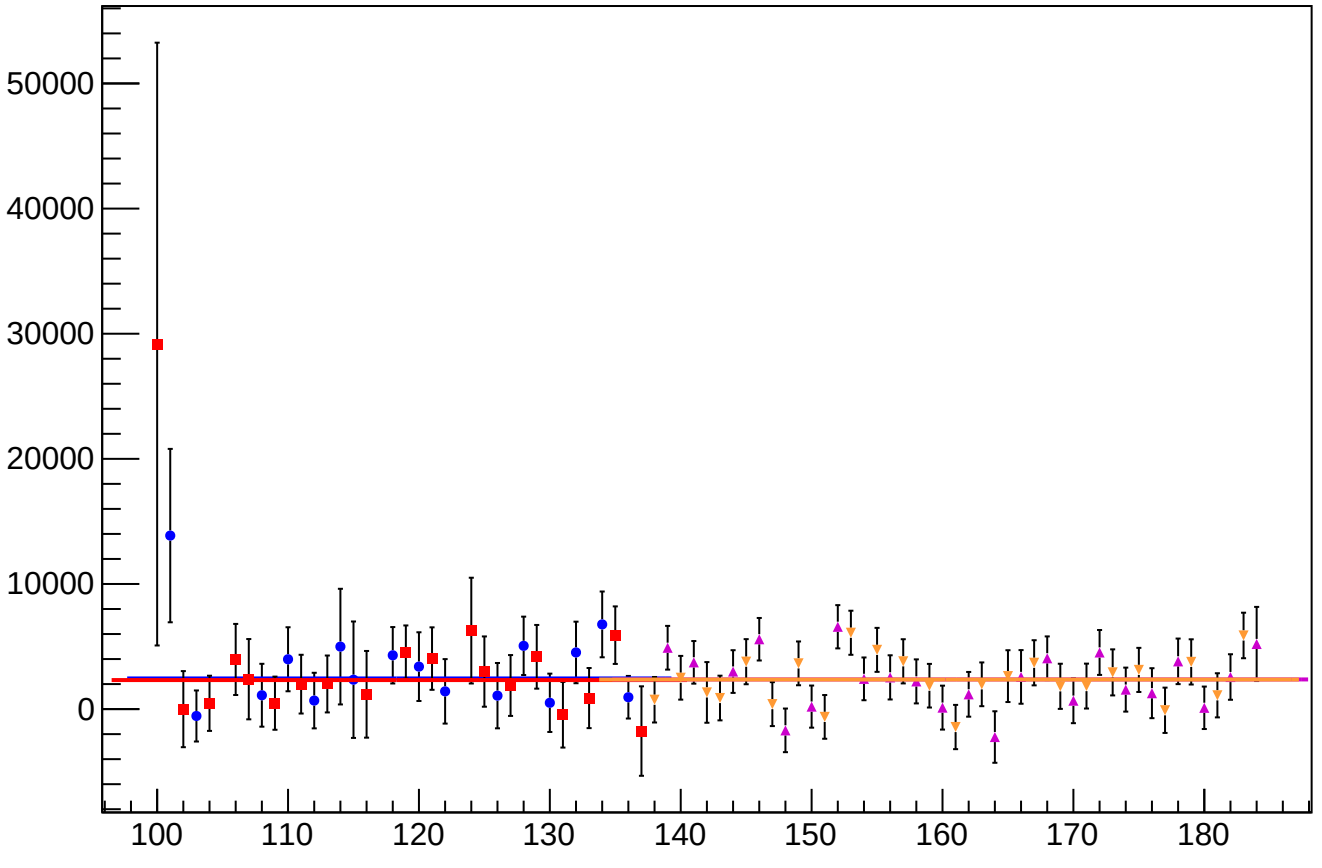
Left: 973.114+/-0.116 χ^2/NDF: 3236127.5/46

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 943.072+/-0.136 χ^2/NDF:2461817.4/38

Out: 919.450+/-0.131 χ^2/NDF:3100077.1/42

All: 930.861+/-0.094 χ^2/NDF: 5577513.2/81



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: 2370.700+/-376.798 χ^2/NDF:33.7/22

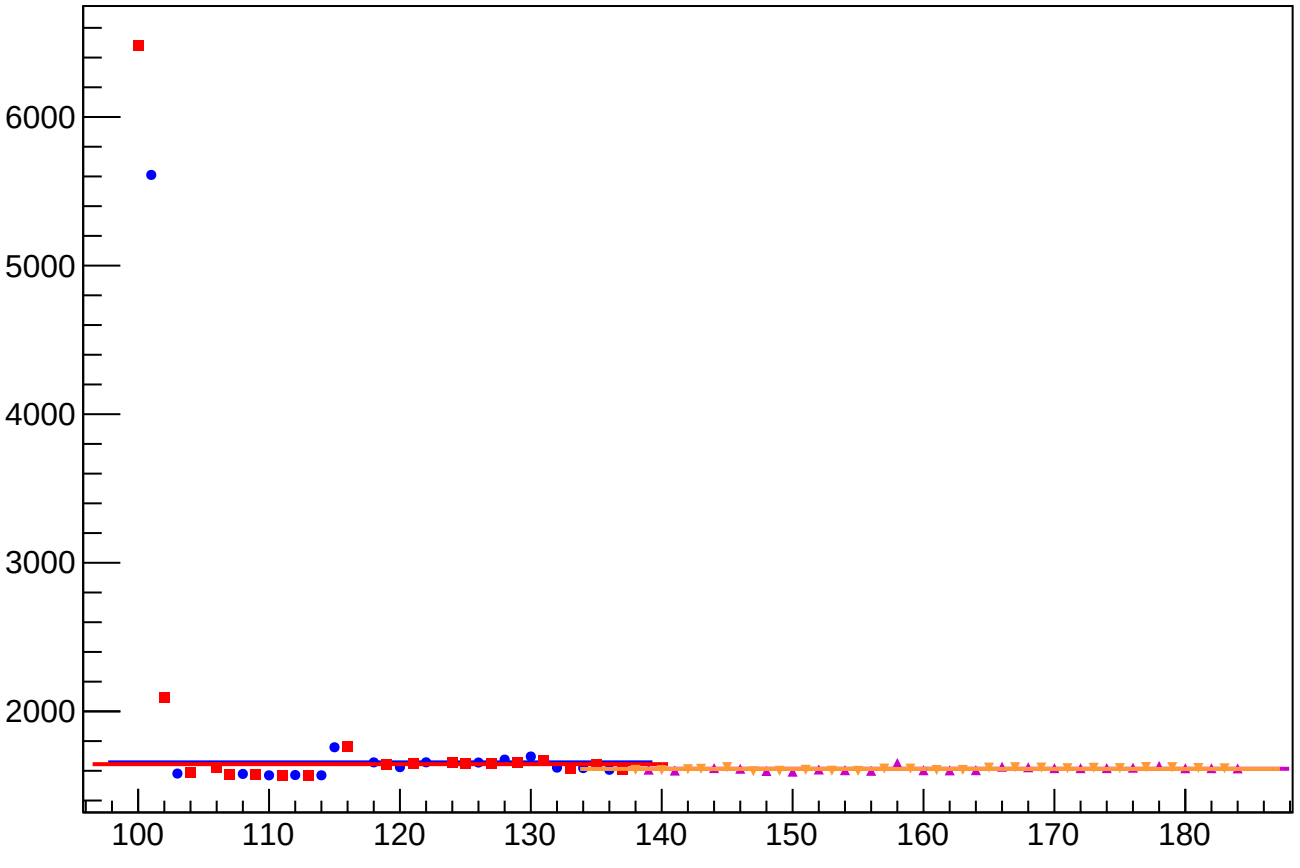
Left: 2367.254+/-263.553 χ^2/NDF: 60.2/46

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2391.422+/-323.405 χ^2/NDF:47.6/38

Out: 2352.333+/-315.537 χ^2/NDF:38.6/42

All: 2371.397+/-225.849 χ^2/NDF: 86.1/81



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: 1613.793+/-0.266 χ^2/NDF:2354.6/22

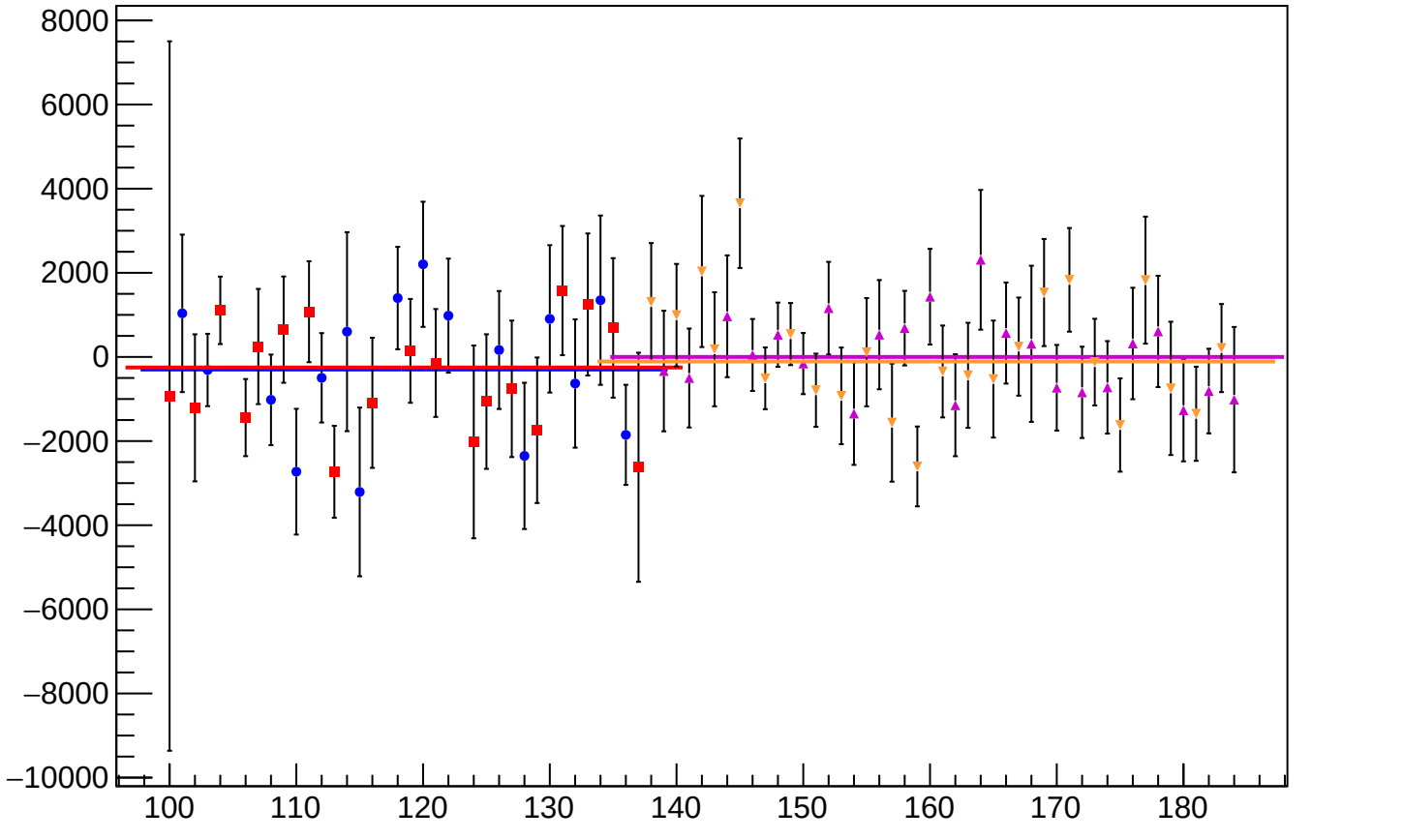
Left: 1613.175+/-0.186 χ^2/NDF: 3537.1/46

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.087+/-0.229 χ^2/NDF:675404.0/38

Out: 1621.196+/-0.223 χ^2/NDF:141726.7/42

All: 1623.093+/-0.160 χ^2/NDF: 817279.1/81



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: -0.068+/-231.904 χ^2/NDF:12.9/22

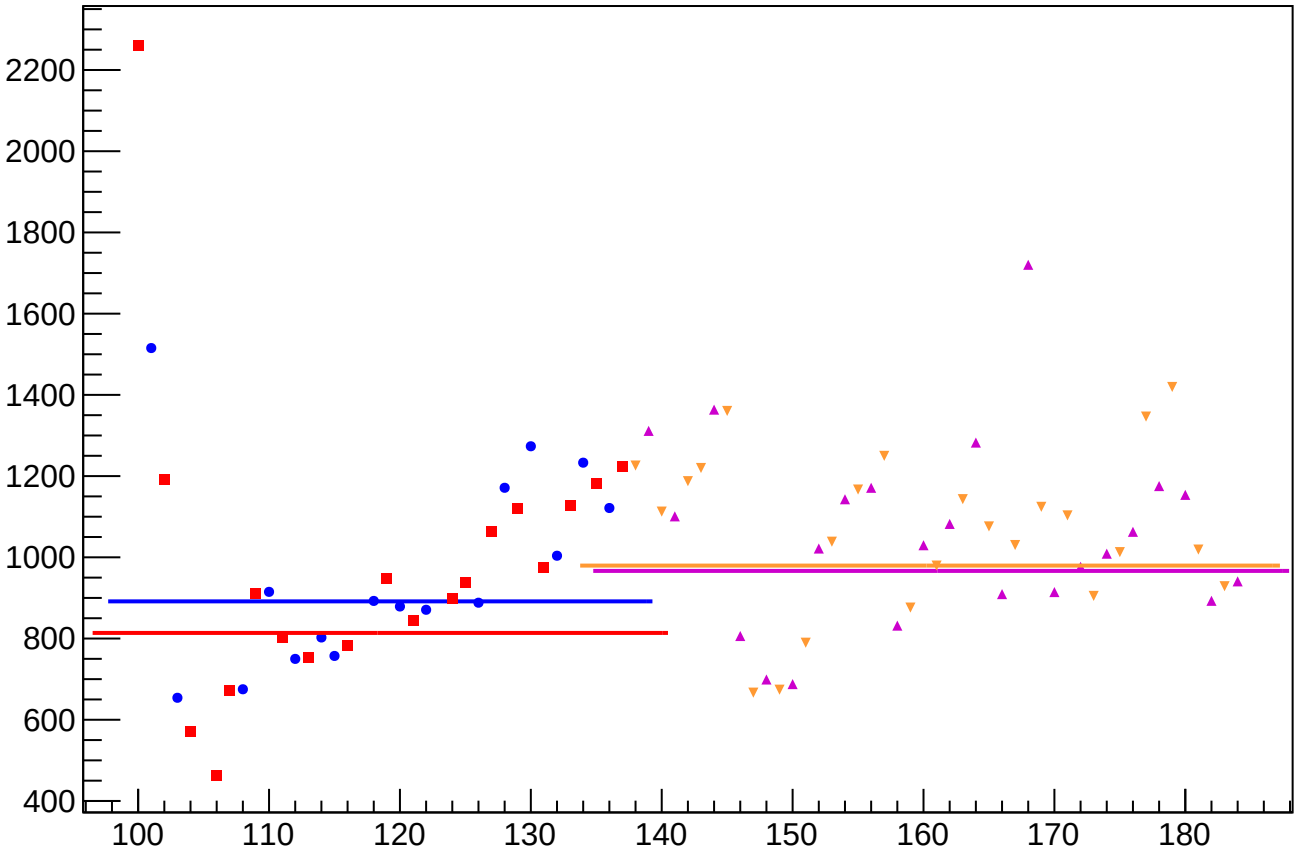
Left: -54.204+/-163.605 χ^2/NDF: 41.9/46

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -93.323+/-192.184 χ^2/NDF:29.3/38

Out: -157.791+/-186.352 χ^2/NDF:46.3/42

All: -126.550+/-133.785 χ^2/NDF: 75.7/81



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: 966.531+/-0.164 χ^2/NDF:1602562.1/22

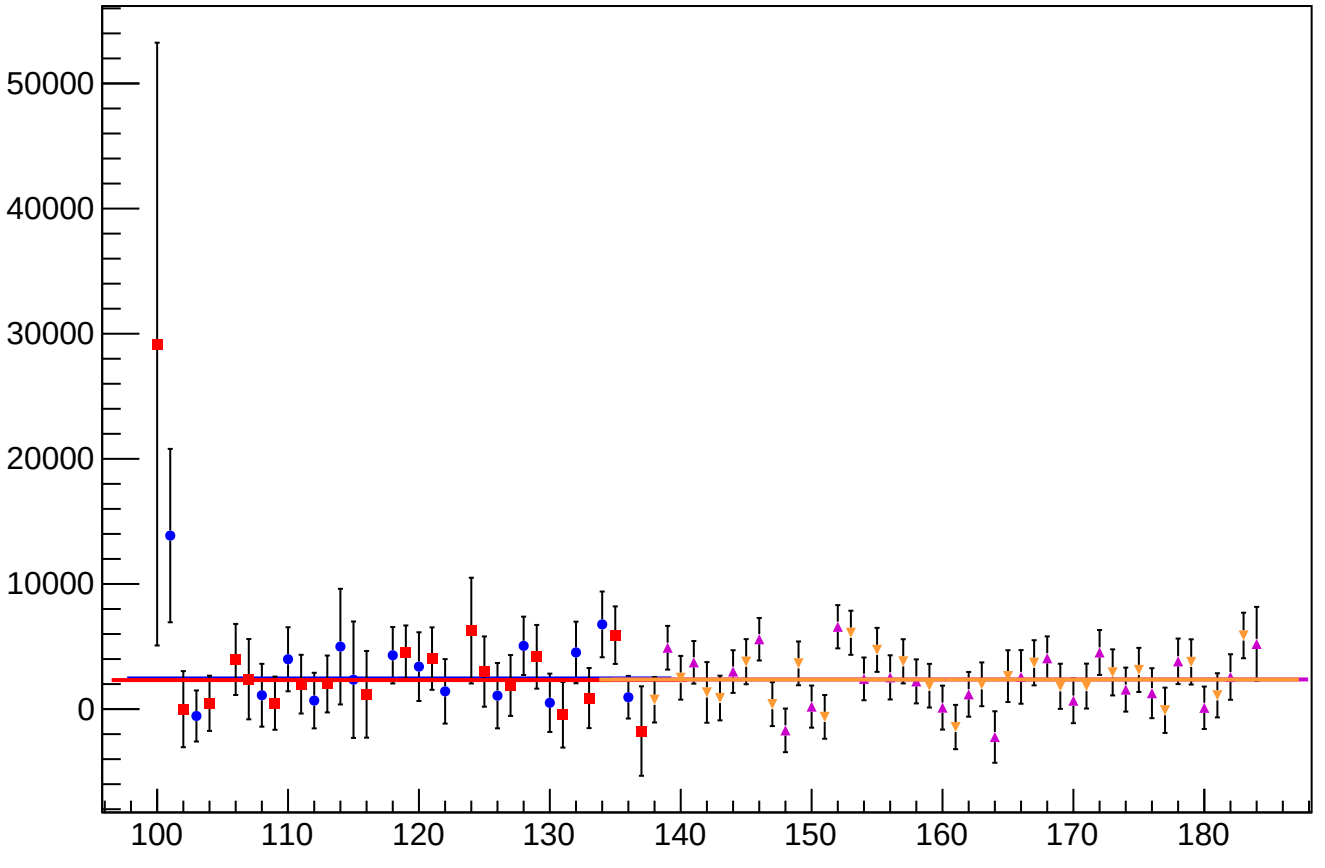
Left: 973.113+/-0.116 χ^2/NDF: 3236196.7/46

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 943.040+/-0.136 χ^2/NDF:2461739.2/38

Out: 921.873+/-0.132 χ^2/NDF:3042913.5/42

All: 932.131+/-0.095 χ^2/NDF: 5517156.9/81



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: 2370.700+/-376.798 χ^2/NDF:33.7/22

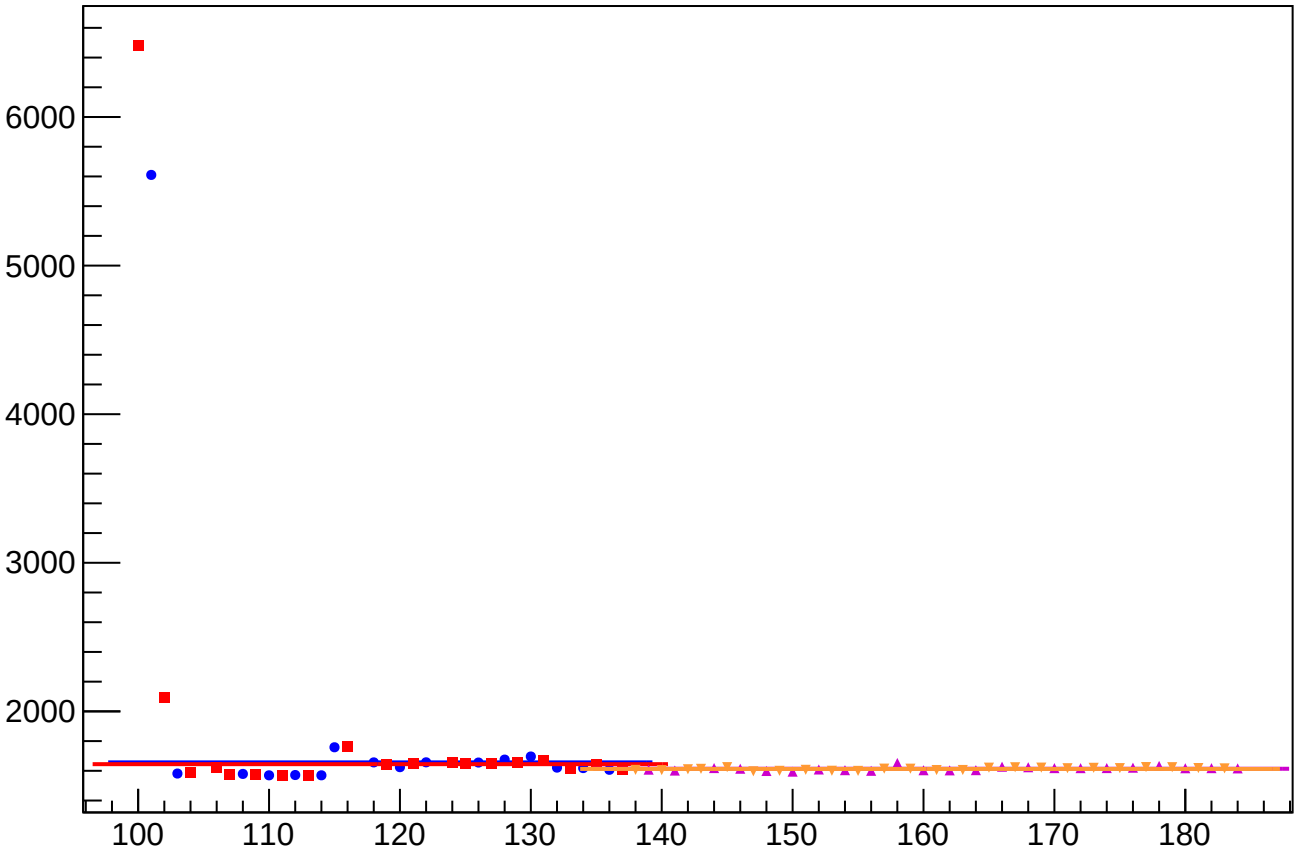
Left: 2367.254+/-263.553 χ^2/NDF: 60.2/46

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2391.422+/-323.405 χ^2/NDF:47.6/38

Out: 2352.333+/-315.537 χ^2/NDF:38.6/42

All: 2371.397+/-225.849 χ^2/NDF: 86.1/81



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: 1613.793+/-0.266 χ^2/NDF:2354.6/22

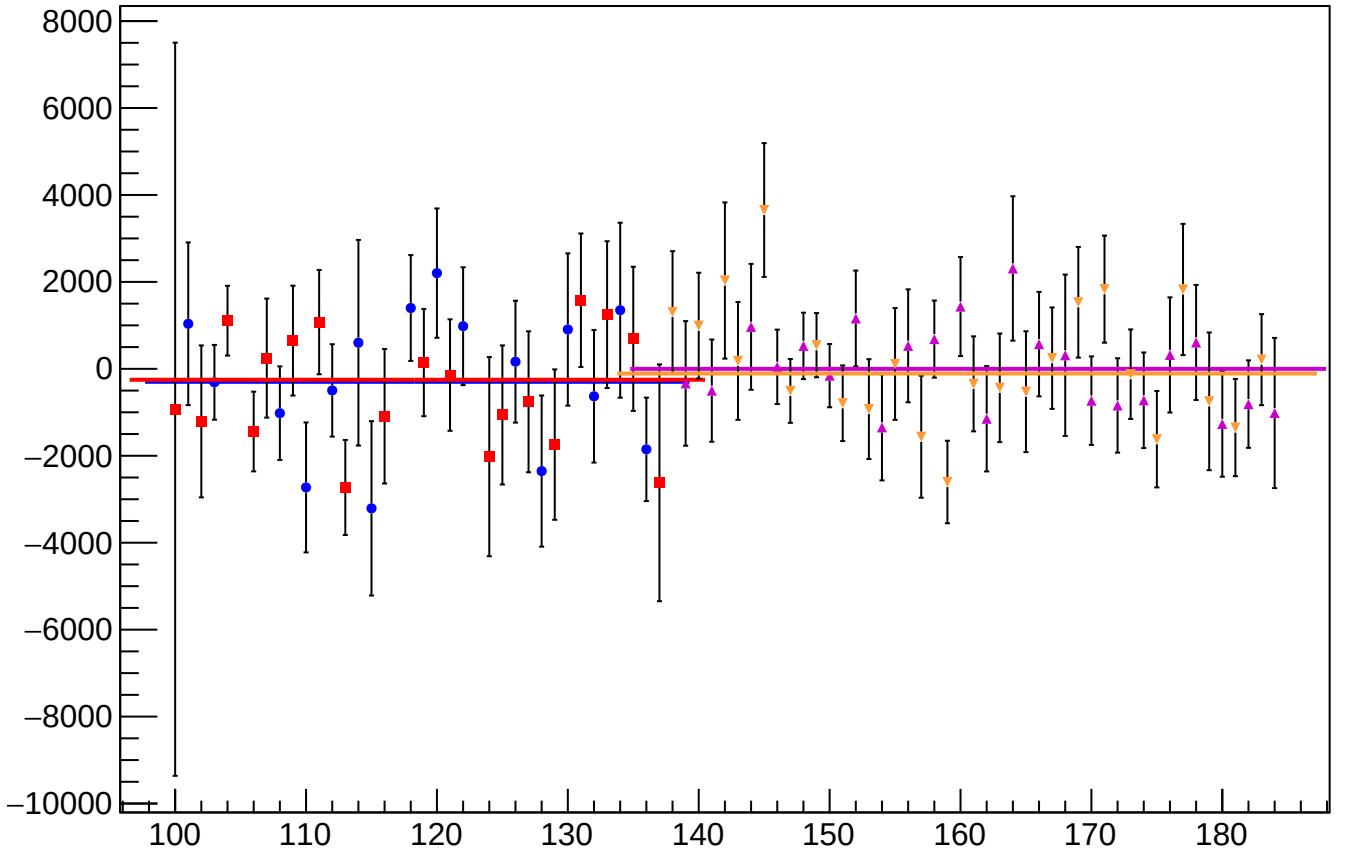
Left: 1613.175+/-0.186 χ^2/NDF: 3537.1/46

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.087+/-0.229 χ^2/NDF:675404.0/38

Out: 1621.196+/-0.223 χ^2/NDF:141726.7/42

All: 1623.093+/-0.160 χ^2/NDF: 817279.1/81



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: -0.068+/-231.904 χ^2/NDF:12.9/22

Left: -54.204+/-163.605 χ^2/NDF: 41.9/46

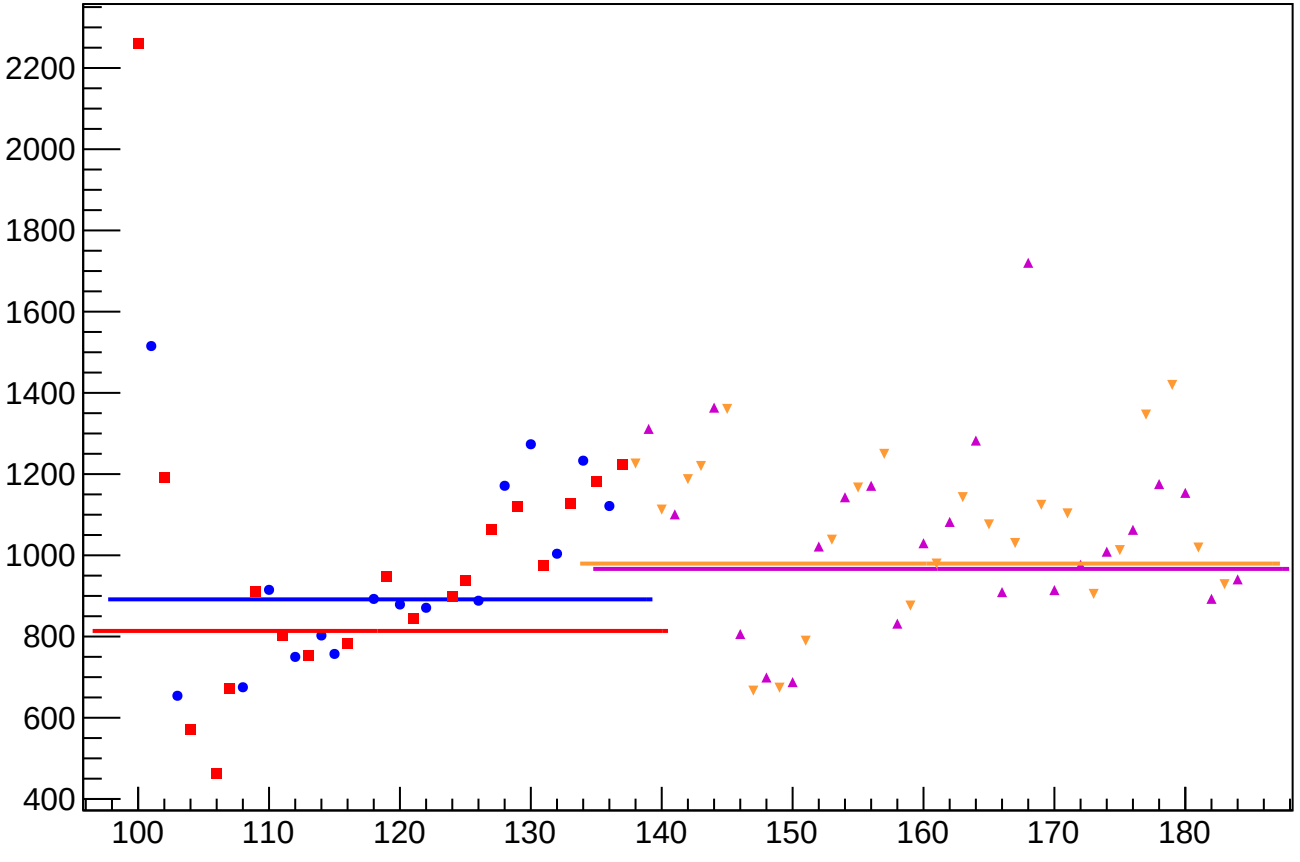
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -93.323+/-192.184 χ^2/NDF:29.3/38

Out: -157.791+/-186.352 χ^2/NDF:46.3/42

All: -126.550+/-133.785 χ^2/NDF: 75.7/81

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: 966.531+/-0.164 χ^2/NDF:1602562.1/22

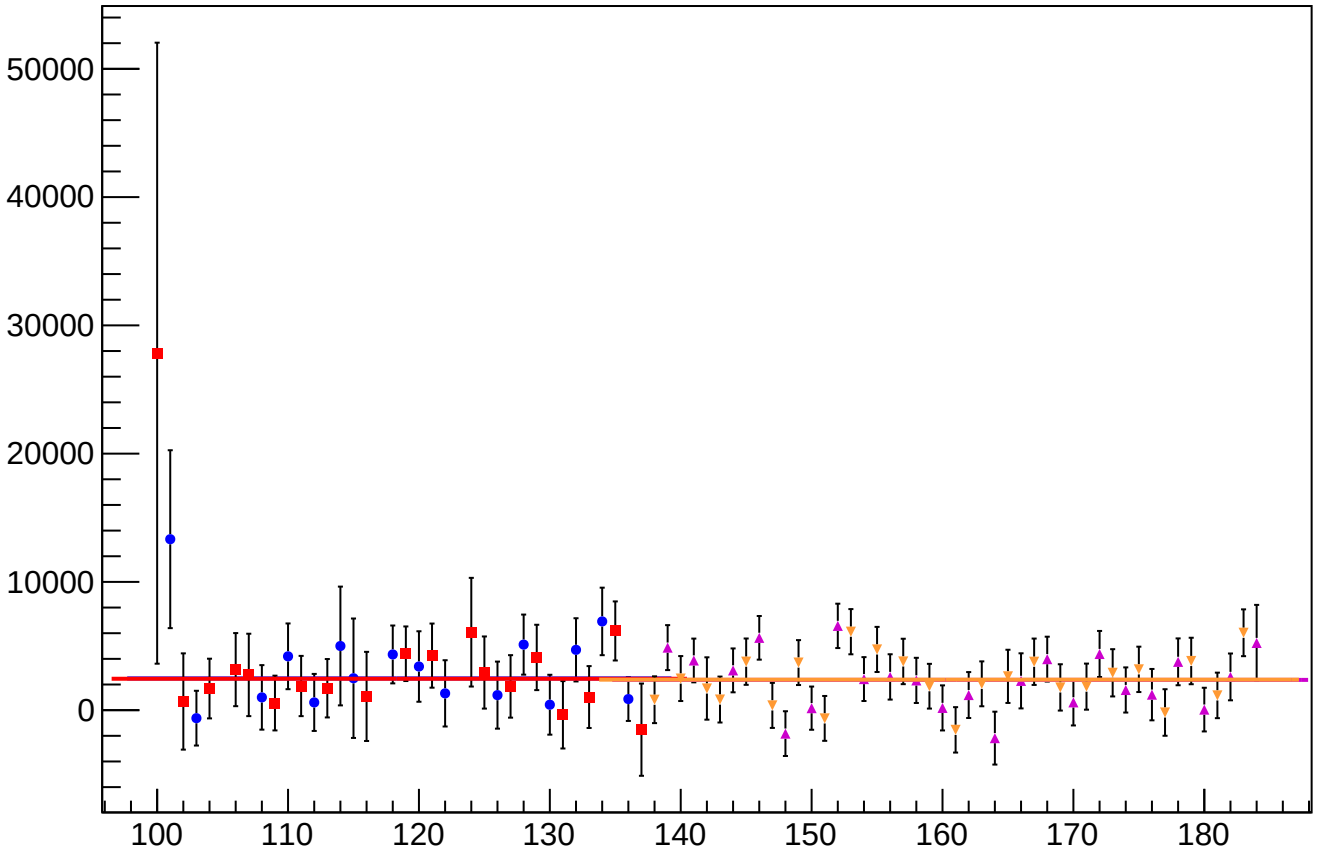
Left: 973.113+/-0.116 χ^2/NDF: 3236196.7/46

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 943.040+/-0.136 χ^2/NDF:2461739.2/38

Out: 921.873+/-0.132 χ^2/NDF:3042913.5/42

All: 932.131+/-0.095 χ^2/NDF: 5517156.9/81



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: 2360.289+/-377.400 χ^2/NDF:34.0/22

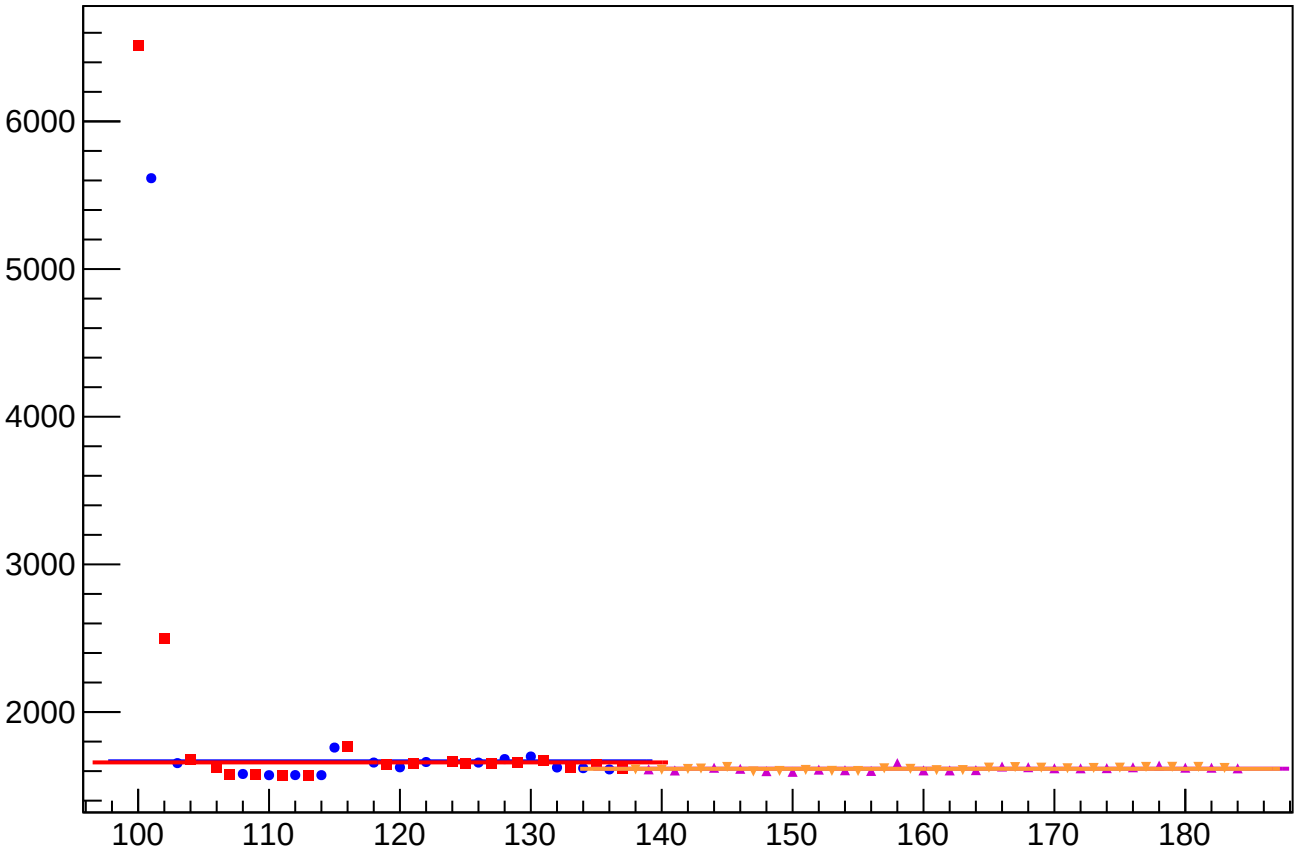
Left: 2369.599+/-264.014 χ^2/NDF: 61.2/46

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2390.371+/-324.275 χ^2/NDF:48.2/38

Out: 2397.115+/-317.055 χ^2/NDF:37.8/42

All: 2393.819+/-226.701 χ^2/NDF: 86.0/81



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: 1616.361+/-0.267 χ^2/NDF:2557.7/22

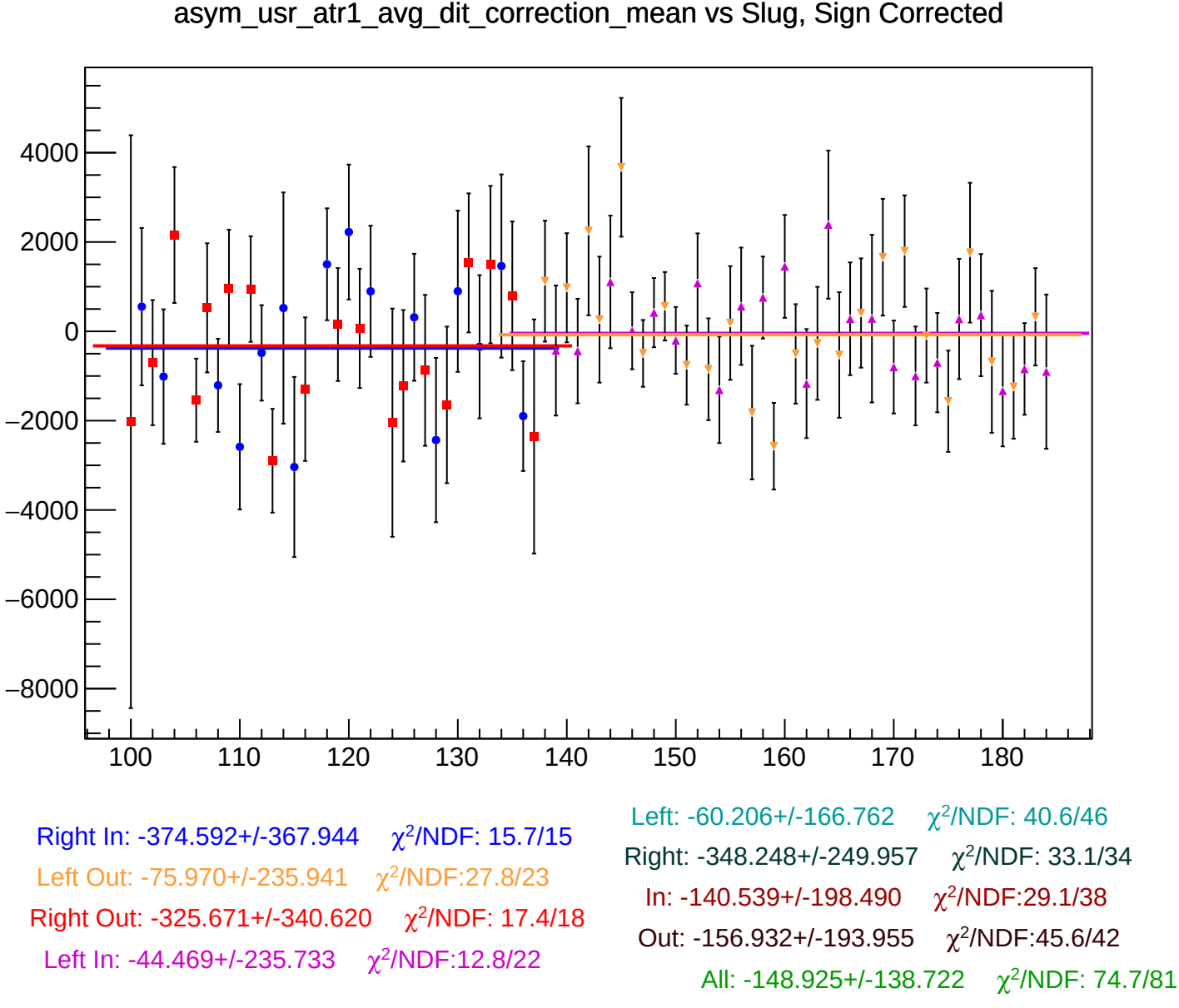
Left: 1615.985+/-0.187 χ^2/NDF: 4008.7/46

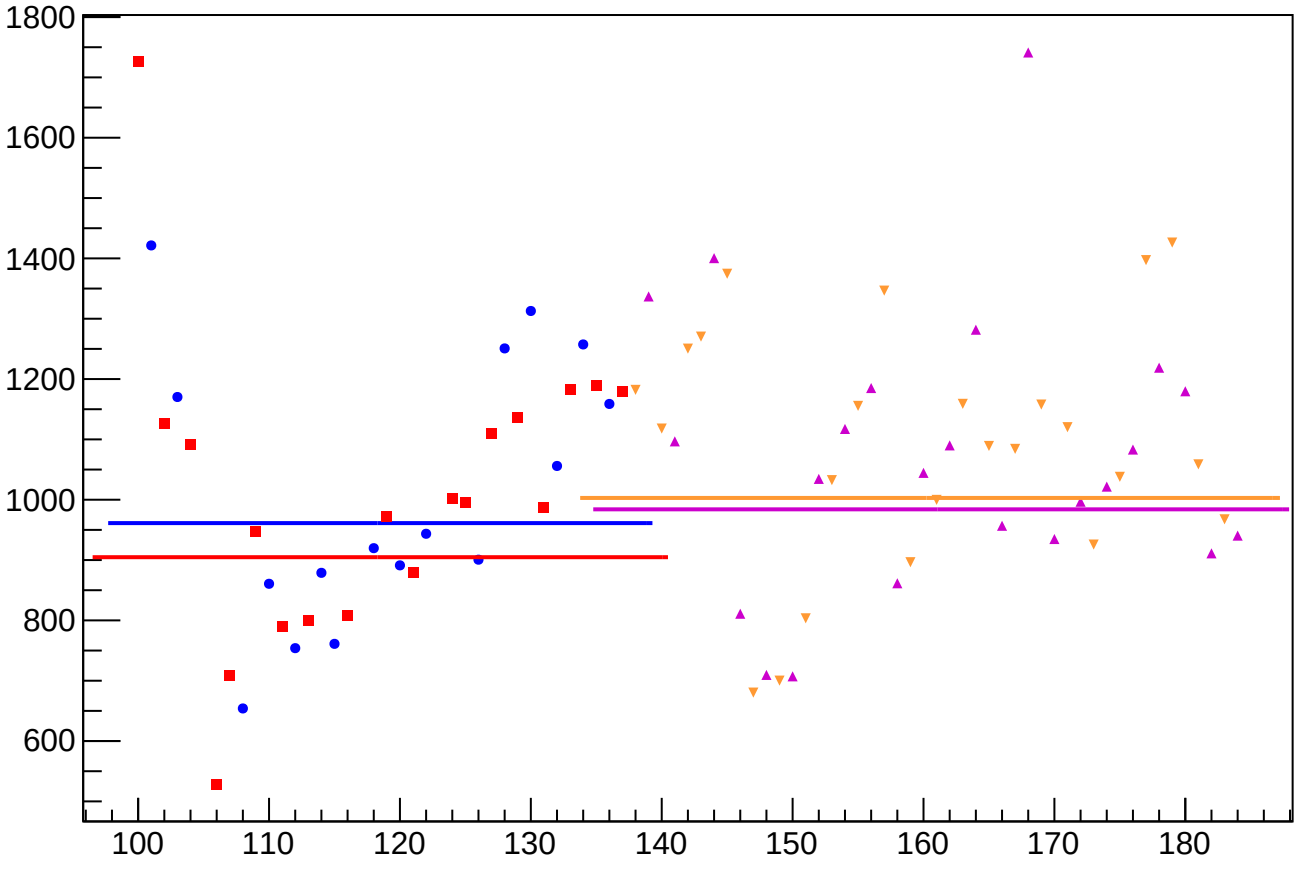
Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1629.457+/-0.229 χ^2/NDF:674674.1/38

Out: 1627.060+/-0.224 χ^2/NDF:201938.6/42

All: 1628.231+/-0.160 χ^2/NDF: 876668.6/81


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: -44.469+/-235.733 χ²/NDF:12.8/22
Left: -60.206+/-166.762 χ²/NDF: 40.6/46
Right: -348.248+/-249.957 χ²/NDF: 33.1/34
In: -140.539+/-198.490 χ²/NDF:29.1/38
Out: -156.932+/-193.955 χ²/NDF:45.6/42
All: -148.925+/-138.722 χ²/NDF: 74.7/81



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: 984.053+/-0.167 χ^2/NDF:1559561.5/22

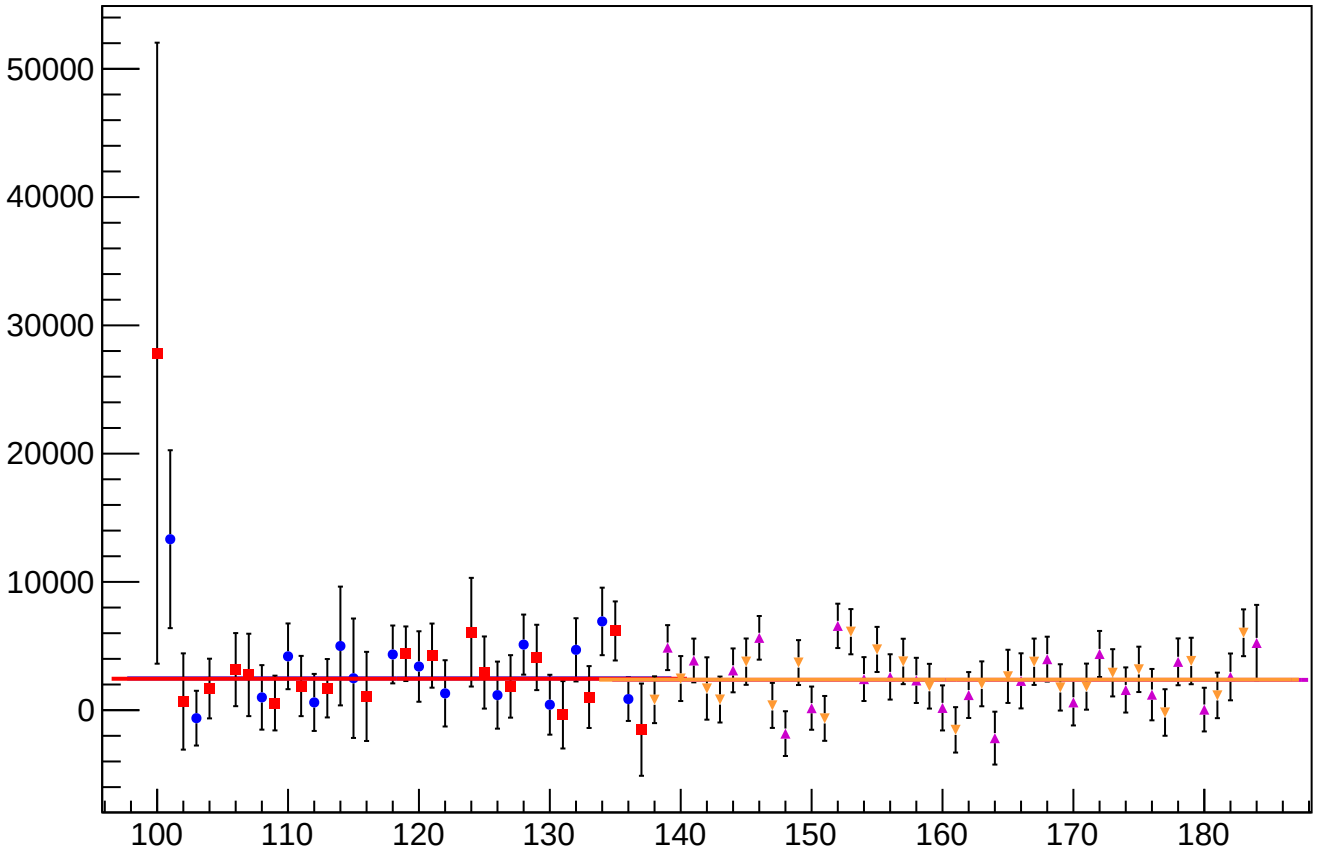
Left: 993.493+/-0.118 χ^2/NDF: 3164337.5/46

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 977.415+/-0.140 χ^2/NDF:2256886.7/38

Out: 971.105+/-0.137 χ^2/NDF:2447204.5/42

All: 974.187+/-0.098 χ^2/NDF: 4705125.1/81



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: 2360.289+/-377.400 χ^2/NDF:34.0/22

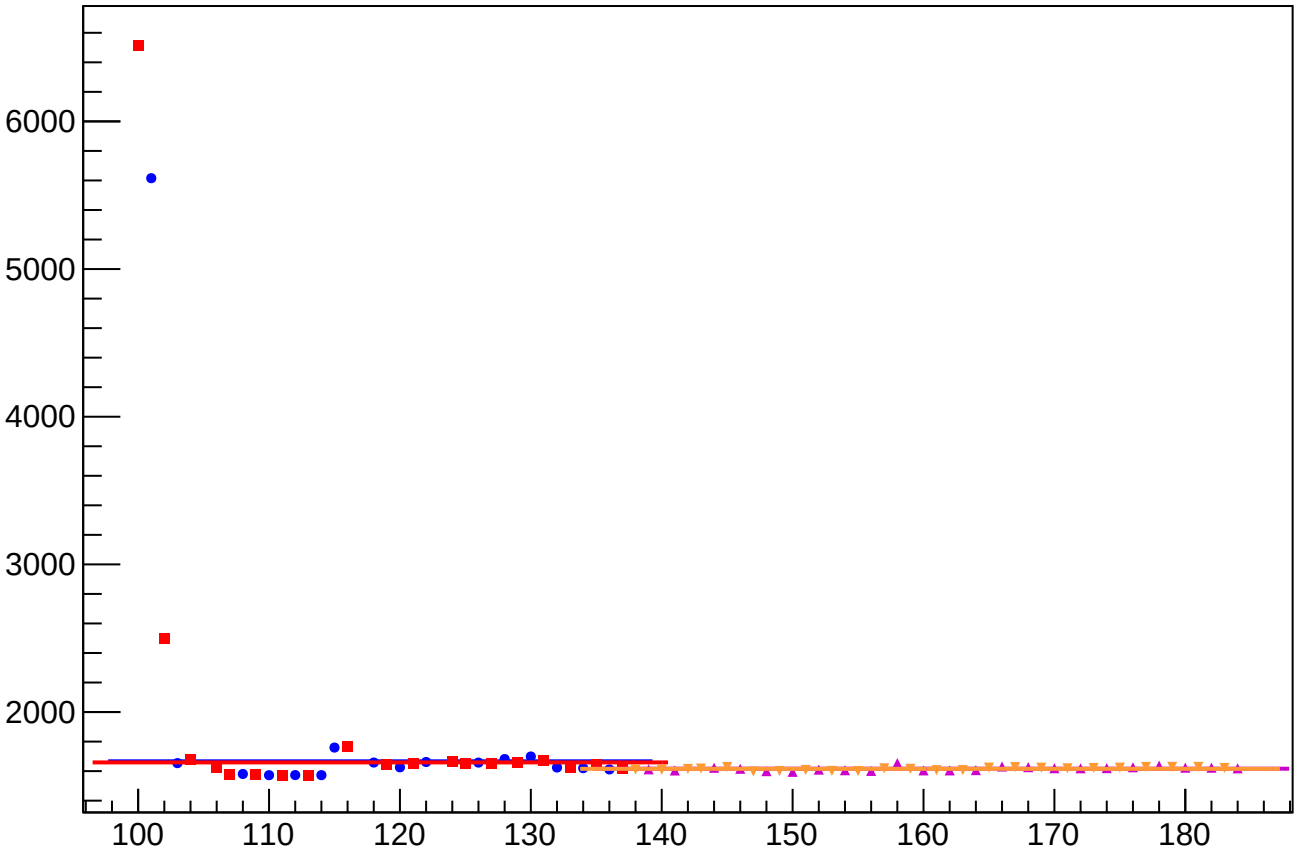
Left: 2369.599+/-264.014 χ^2/NDF: 61.2/46

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2390.370+/-324.275 χ^2/NDF:48.2/38

Out: 2397.114+/-317.055 χ^2/NDF:37.8/42

All: 2393.818+/-226.701 χ^2/NDF: 86.0/81



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: 1616.361+/-0.267 χ^2/NDF:2557.7/22

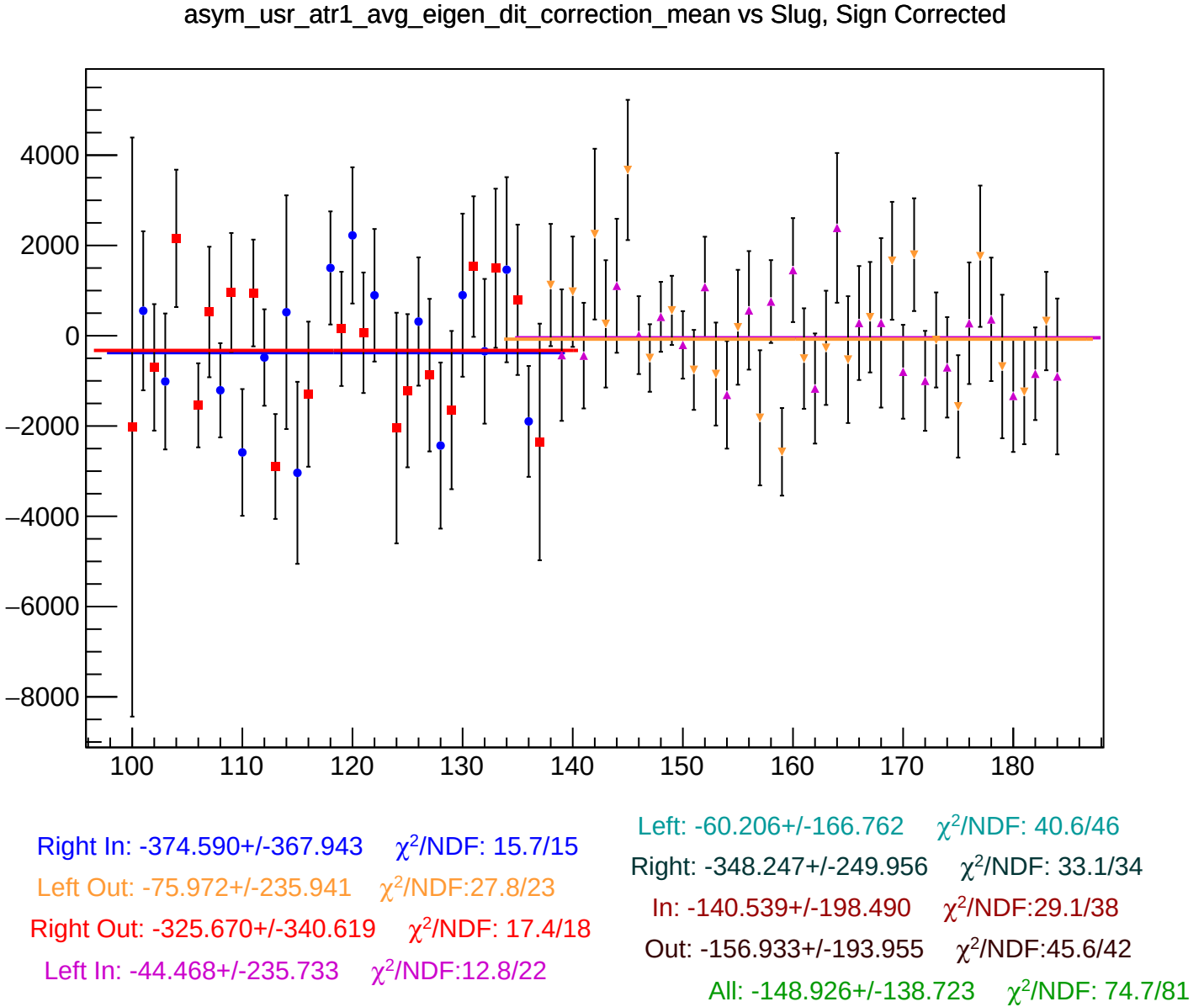
Left: 1615.985+/-0.187 χ^2/NDF: 4008.7/46

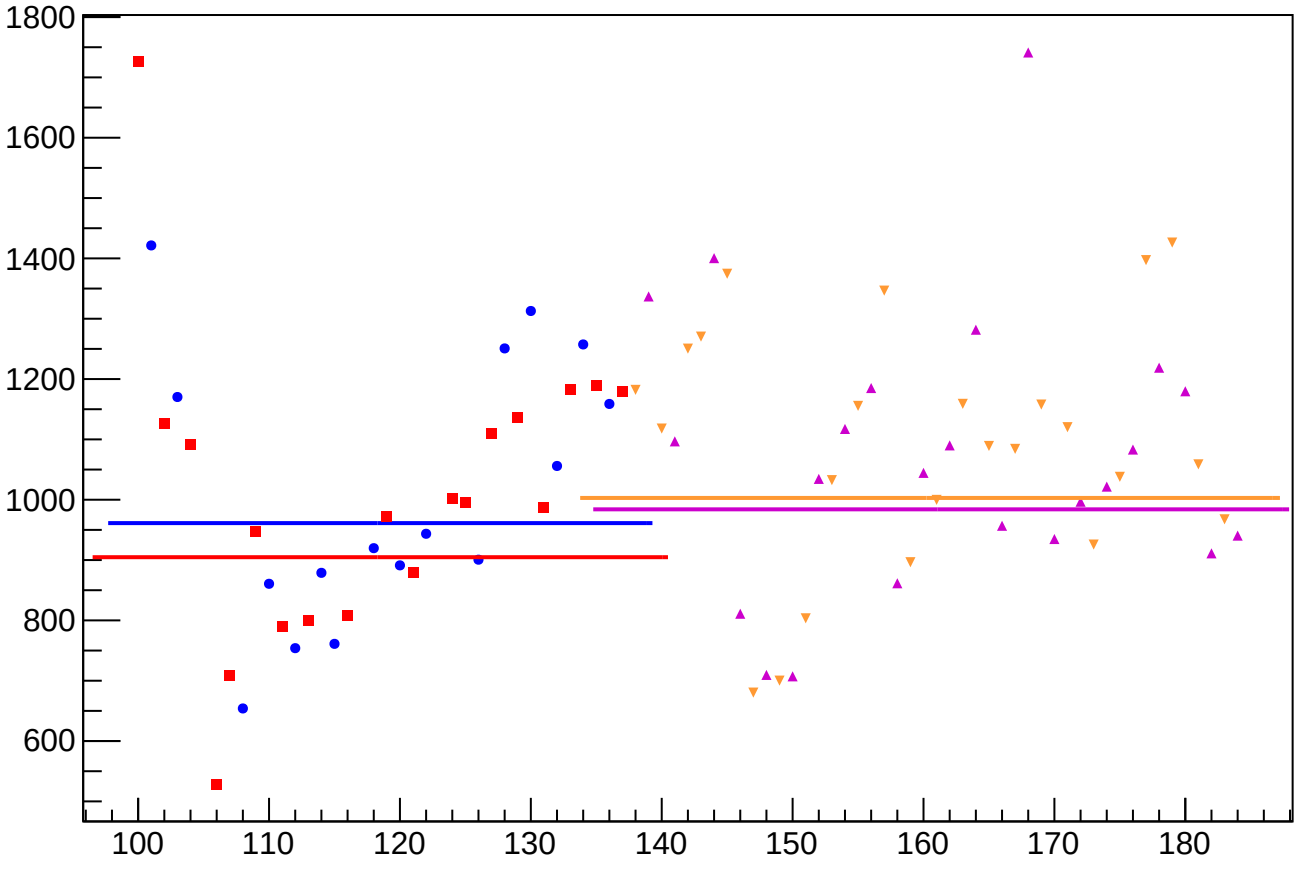
Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1629.457+/-0.229 χ^2/NDF:674674.1/38

Out: 1627.060+/-0.224 χ^2/NDF:201938.4/42

All: 1628.231+/-0.160 χ^2/NDF: 876668.4/81


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: -44.468+/-235.733 χ²/NDF:12.8/22
Left: -60.206+/-166.762 χ²/NDF: 40.6/46
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -140.539+/-198.490 χ²/NDF:29.1/38
Out: -156.933+/-193.955 χ²/NDF:45.6/42
All: -148.926+/-138.723 χ²/NDF: 74.7/81



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: 984.055+/-0.167 χ^2/NDF:1559563.7/22

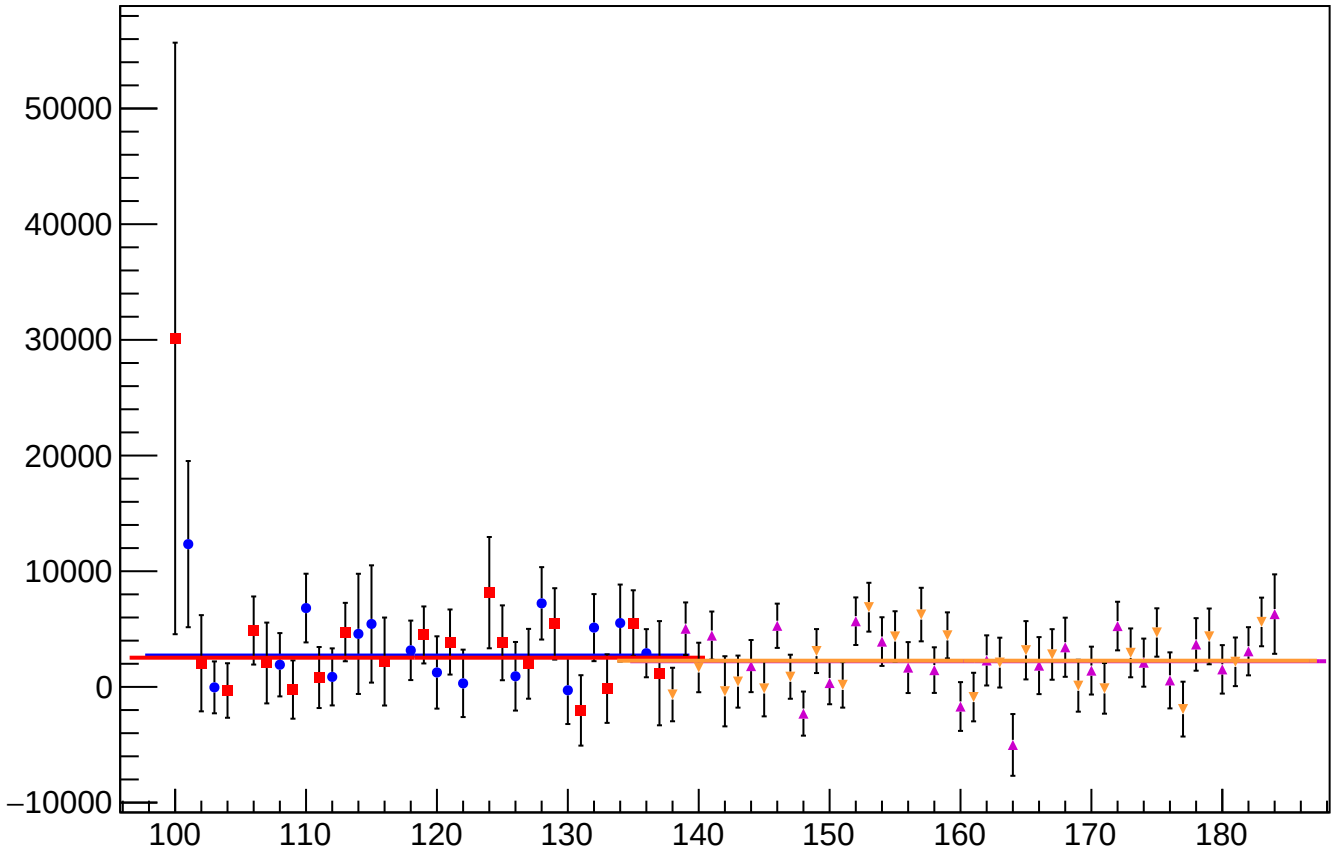
Left: 993.495+/-0.118 χ^2/NDF: 3164341.8/46

Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 977.415+/-0.140 χ^2/NDF:2256899.7/38

Out: 971.106+/-0.137 χ^2/NDF:2447215.0/42

All: 974.188+/-0.098 χ^2/NDF: 4705148.5/81



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: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2242.330+/-317.359 χ^2/NDF: 59.8/46

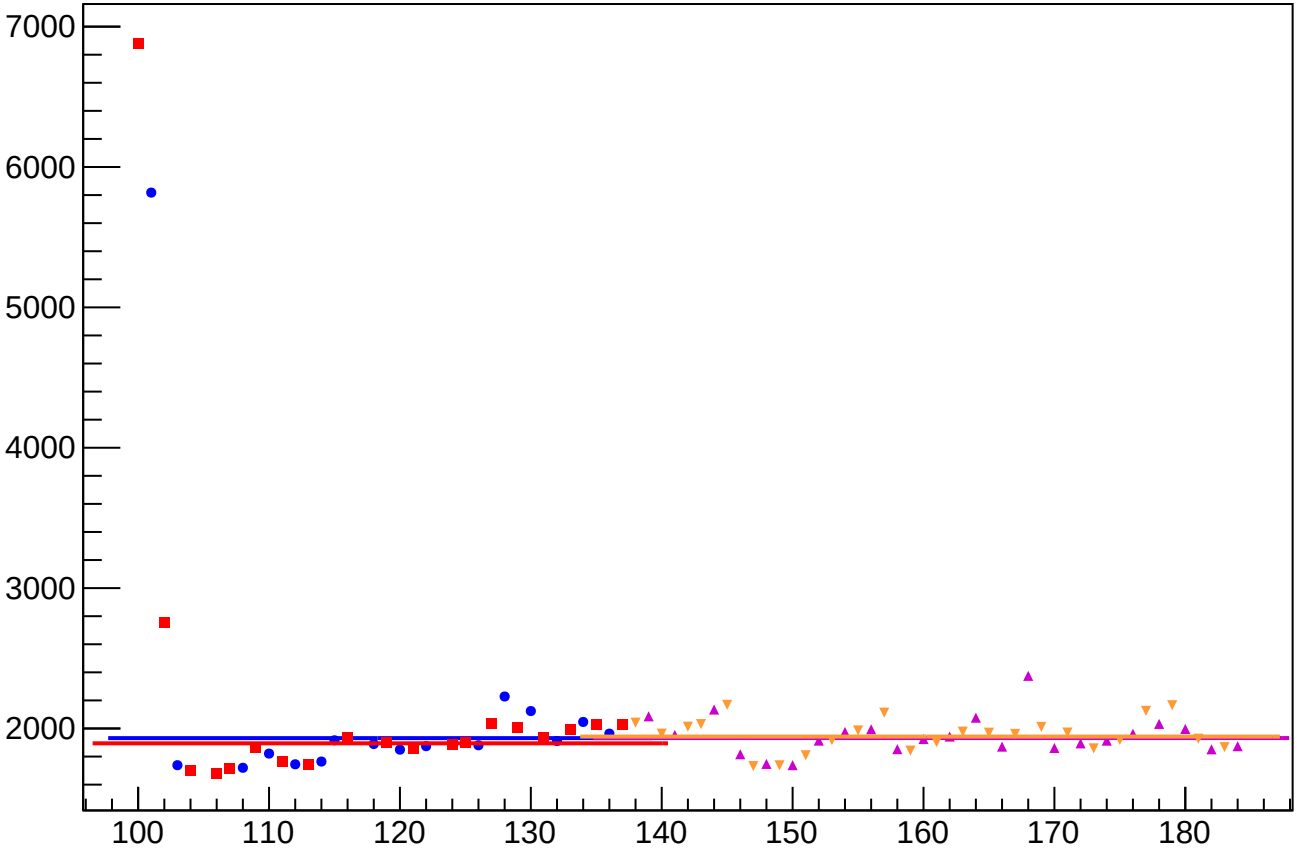
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2354.508+/-385.211 χ^2/NDF:44.0/38

Out: 2338.802+/-376.780 χ^2/NDF:41.6/42

All: 2346.481+/-269.355 χ^2/NDF: 85.6/81

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: 1931.812+/-0.320 χ^2/NDF:159877.0/22

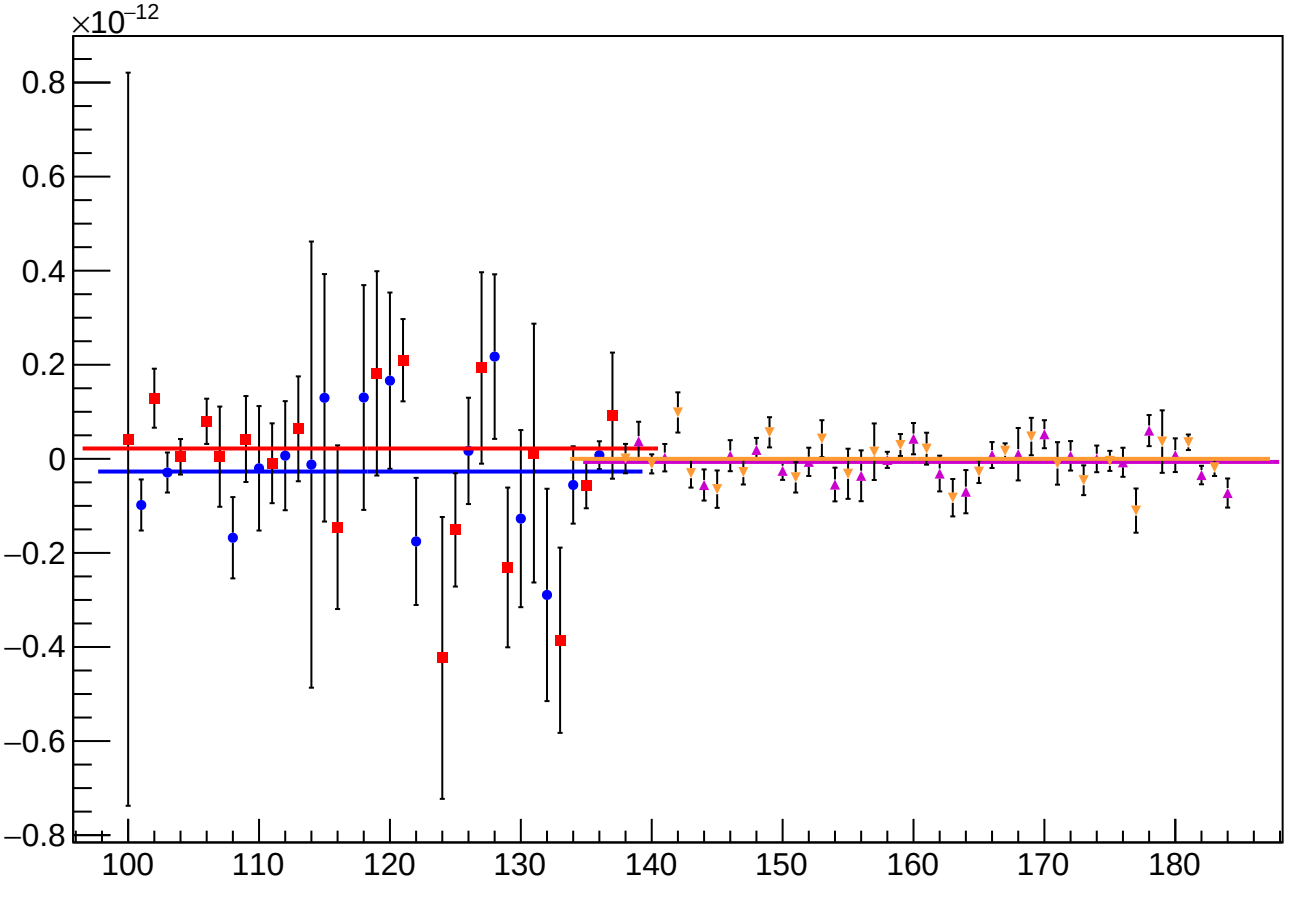
Left: 1937.226+/-0.224 χ^2/NDF: 298891.7/46

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1931.658+/-0.272 χ^2/NDF:821104.9/38

Out: 1928.786+/-0.266 χ^2/NDF:365633.4/42

All: 1930.190+/-0.190 χ^2/NDF: 1186795.1/81



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:27.5/22

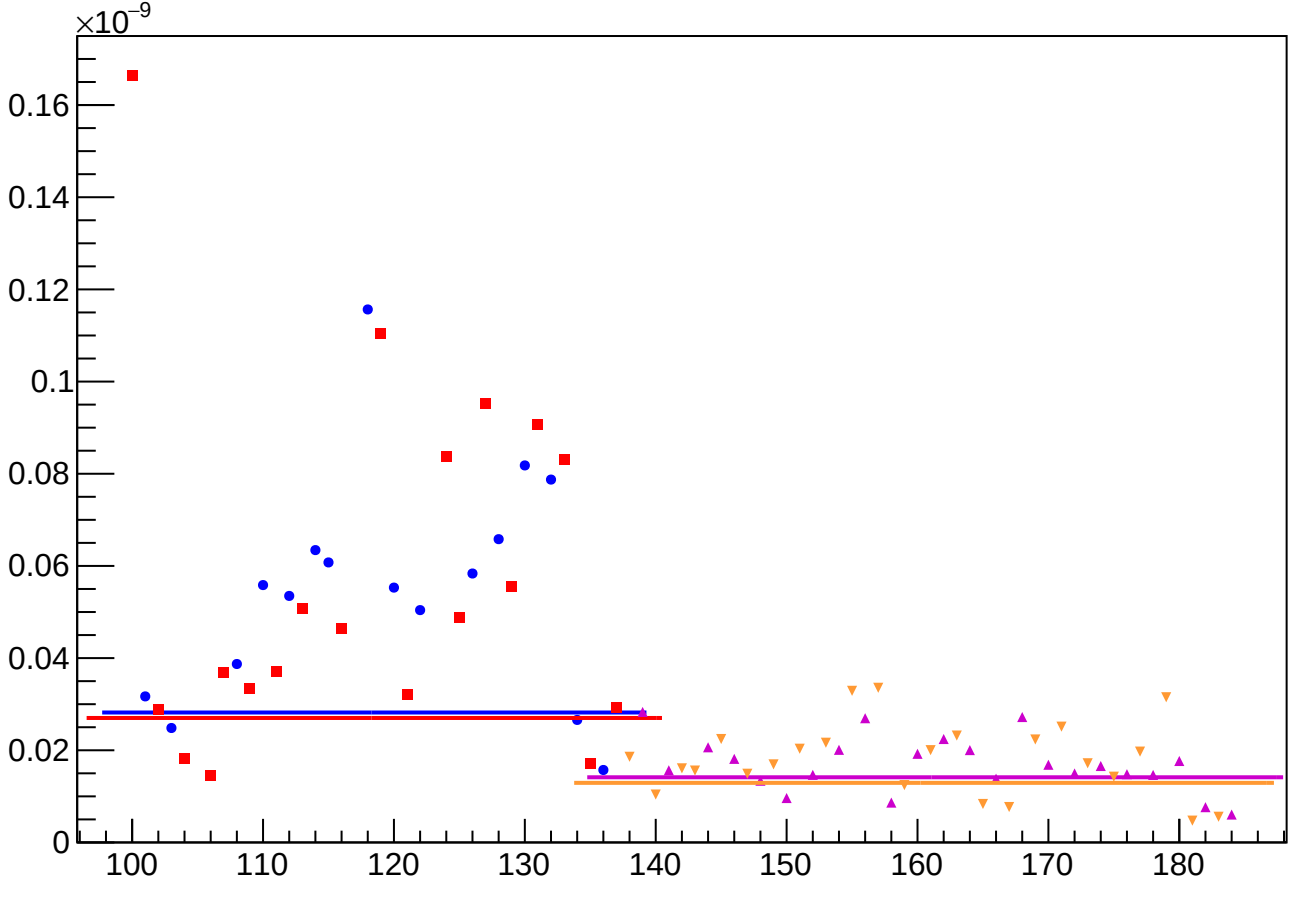
Left: -0.000+/-0.000 χ^2/NDF: 68.3/46

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:41.3/38

Out: 0.000+/-0.000 χ^2/NDF:66.8/42

All: -0.000+/-0.000 χ^2/NDF: 109.7/81



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:1522273.8/22

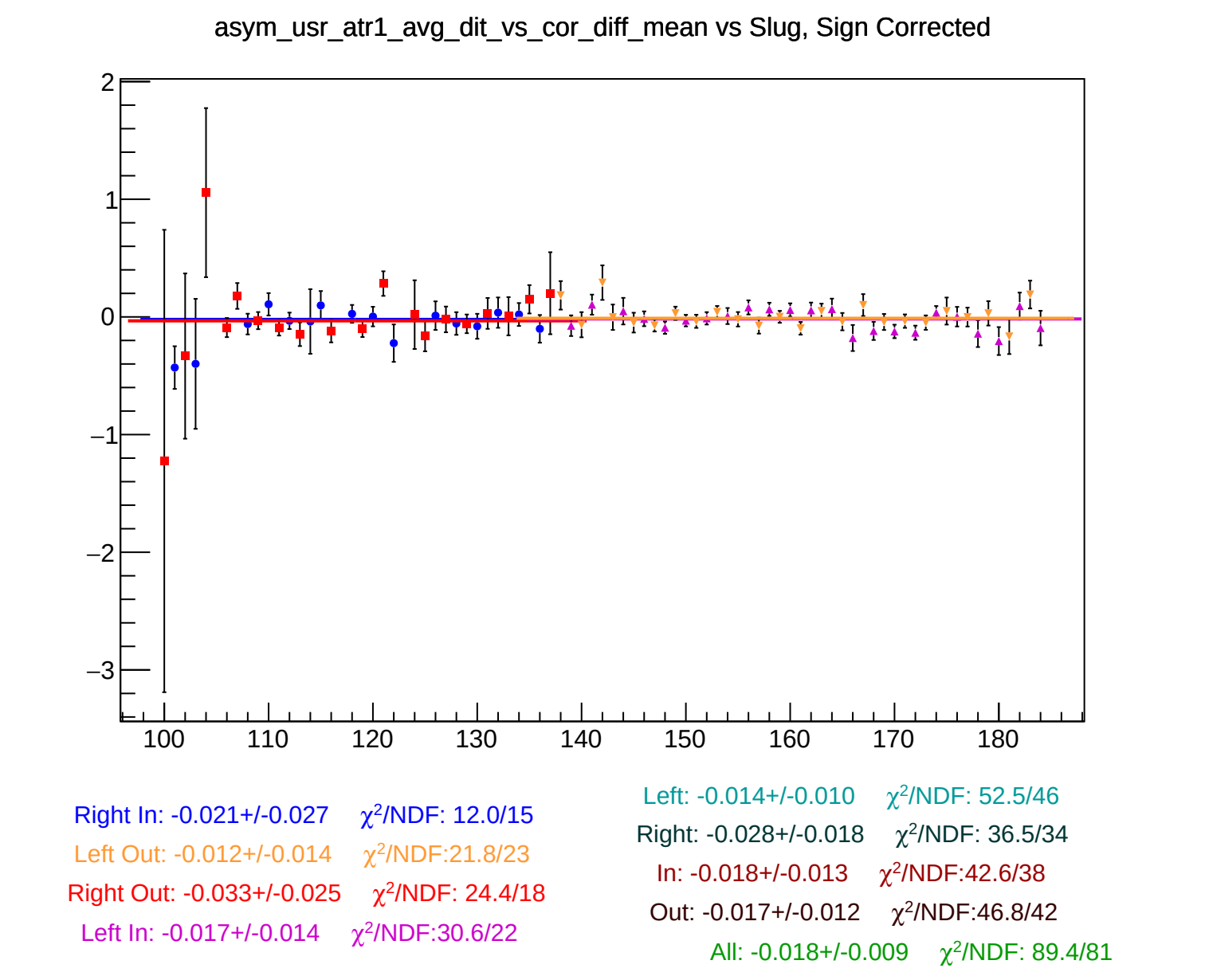
Left: 0.000+/-0.000 χ^2/NDF: 4390524.6/46

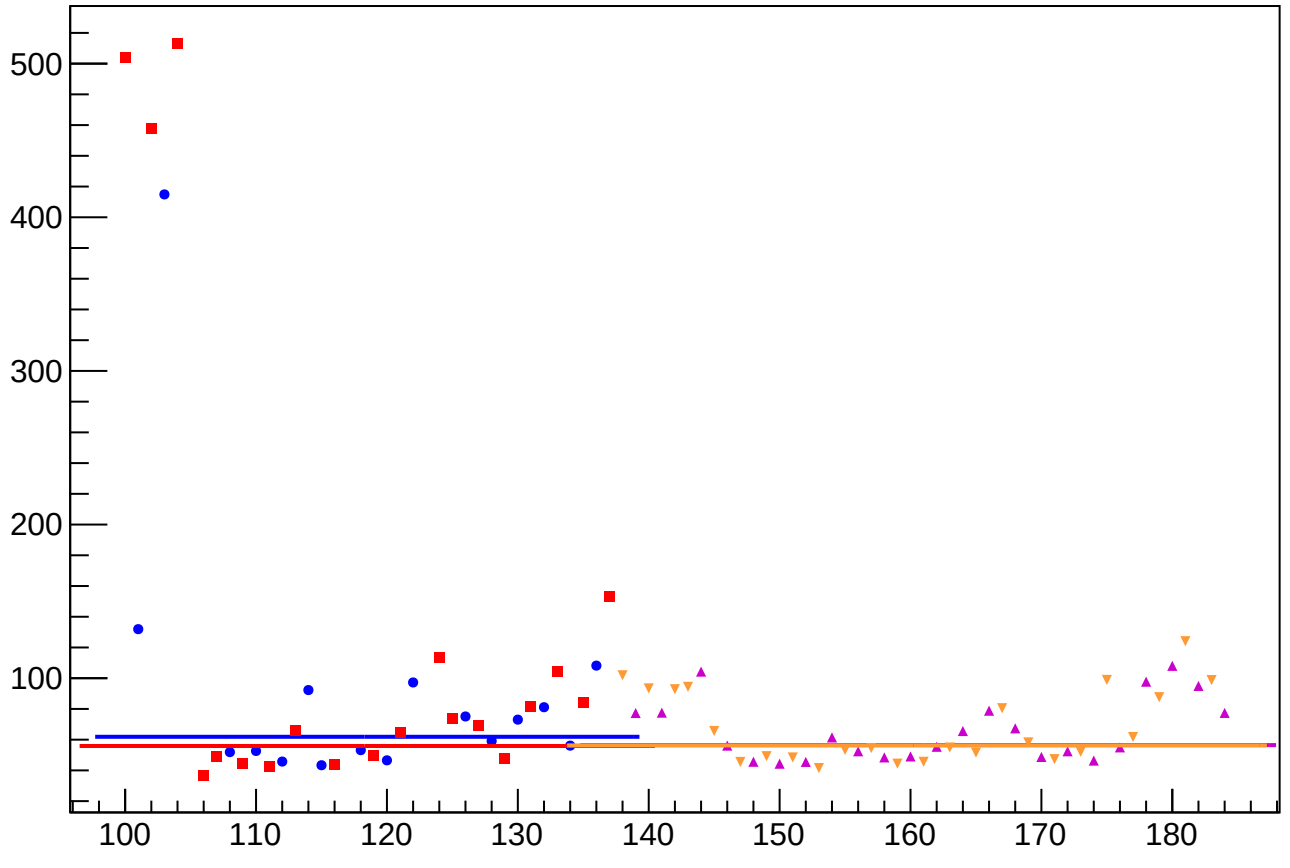
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3989850.3/38

Out: 0.000+/-0.000 χ^2/NDF:5354976.5/42

All: 0.000+/-0.000 χ^2/NDF: 9405348.1/81


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
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+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/46
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.018+/-0.013 χ²/NDF:42.6/38
Out: -0.017+/-0.012 χ²/NDF:46.8/42
All: -0.018+/-0.009 χ²/NDF: 89.4/81



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: 56.467+/-0.010 χ^2/NDF:2140078.8/22

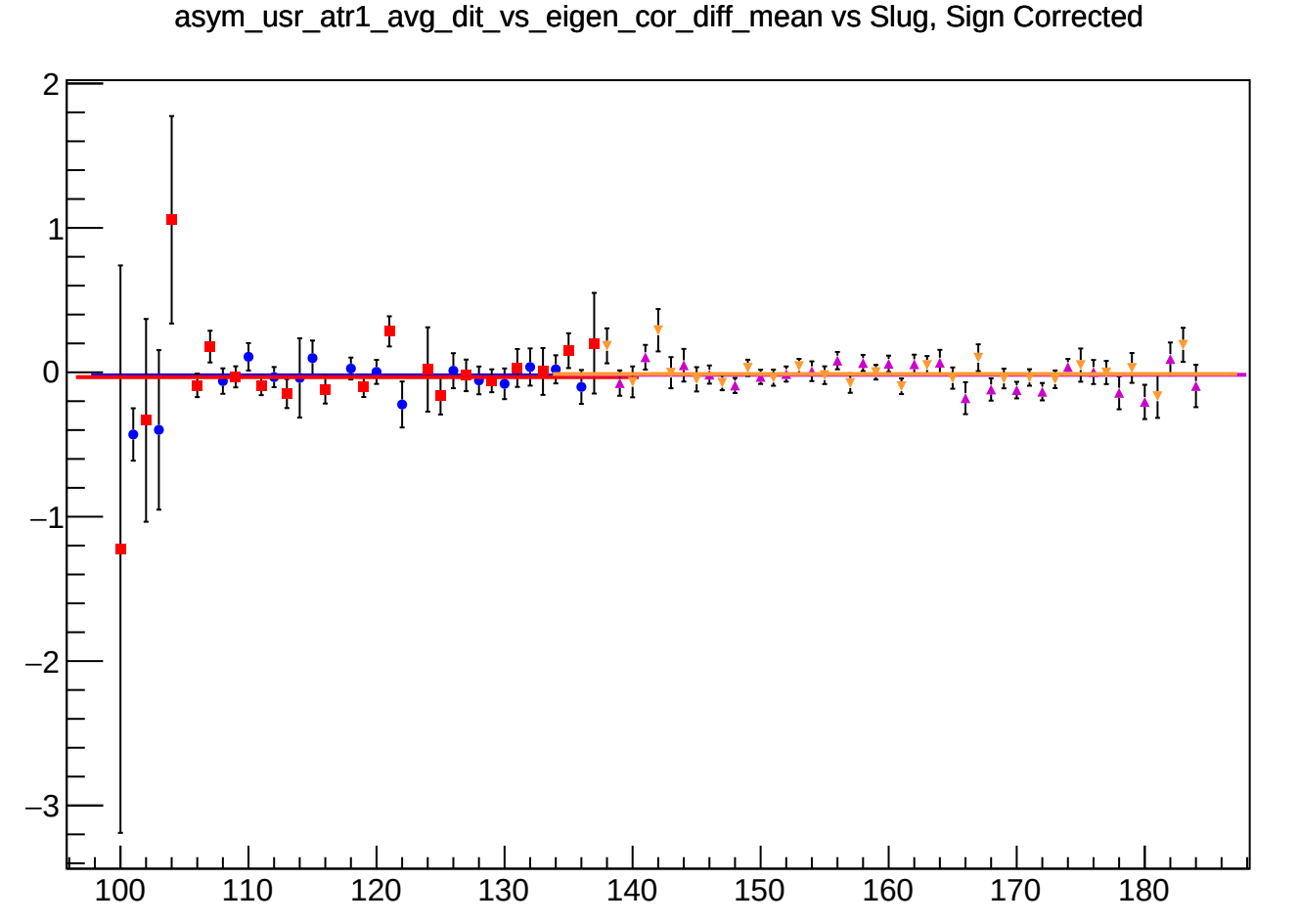
Left: 56.363+/-0.007 χ^2/NDF: 4926281.8/46

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 57.707+/-0.009 χ^2/NDF:4141976.1/38

Out: 56.165+/-0.009 χ^2/NDF:5377616.0/42

All: 56.918+/-0.006 χ^2/NDF: 9534649.4/81



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+/-0.014 χ^2/NDF:30.6/22

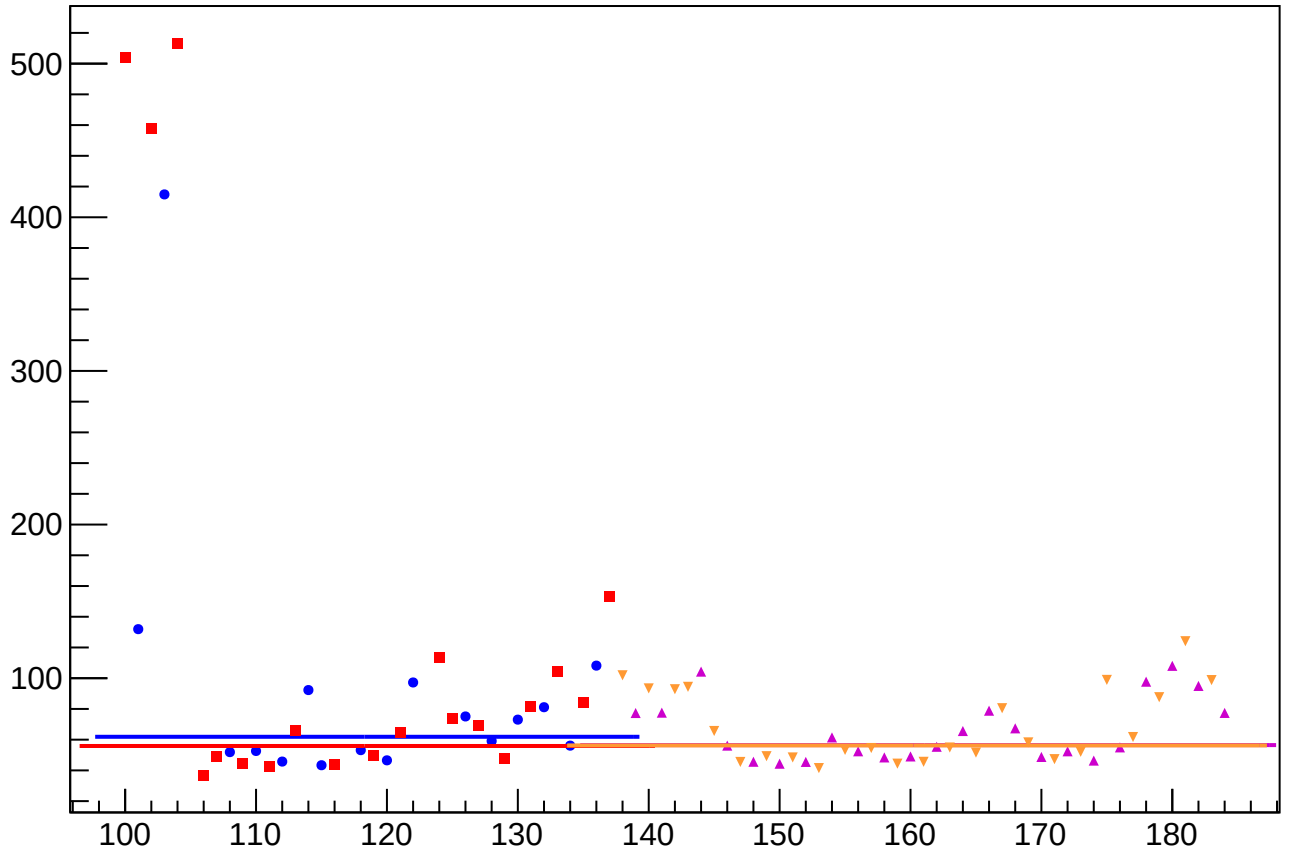
Left: -0.014+/-0.010 χ^2/NDF: 52.5/46

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.018+/-0.013 χ^2/NDF:42.6/38

Out: -0.017+/-0.012 χ^2/NDF:46.8/42

All: -0.018+/-0.009 χ^2/NDF: 89.4/81



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: 56.467+/-0.010 χ^2/NDF:2140078.8/22

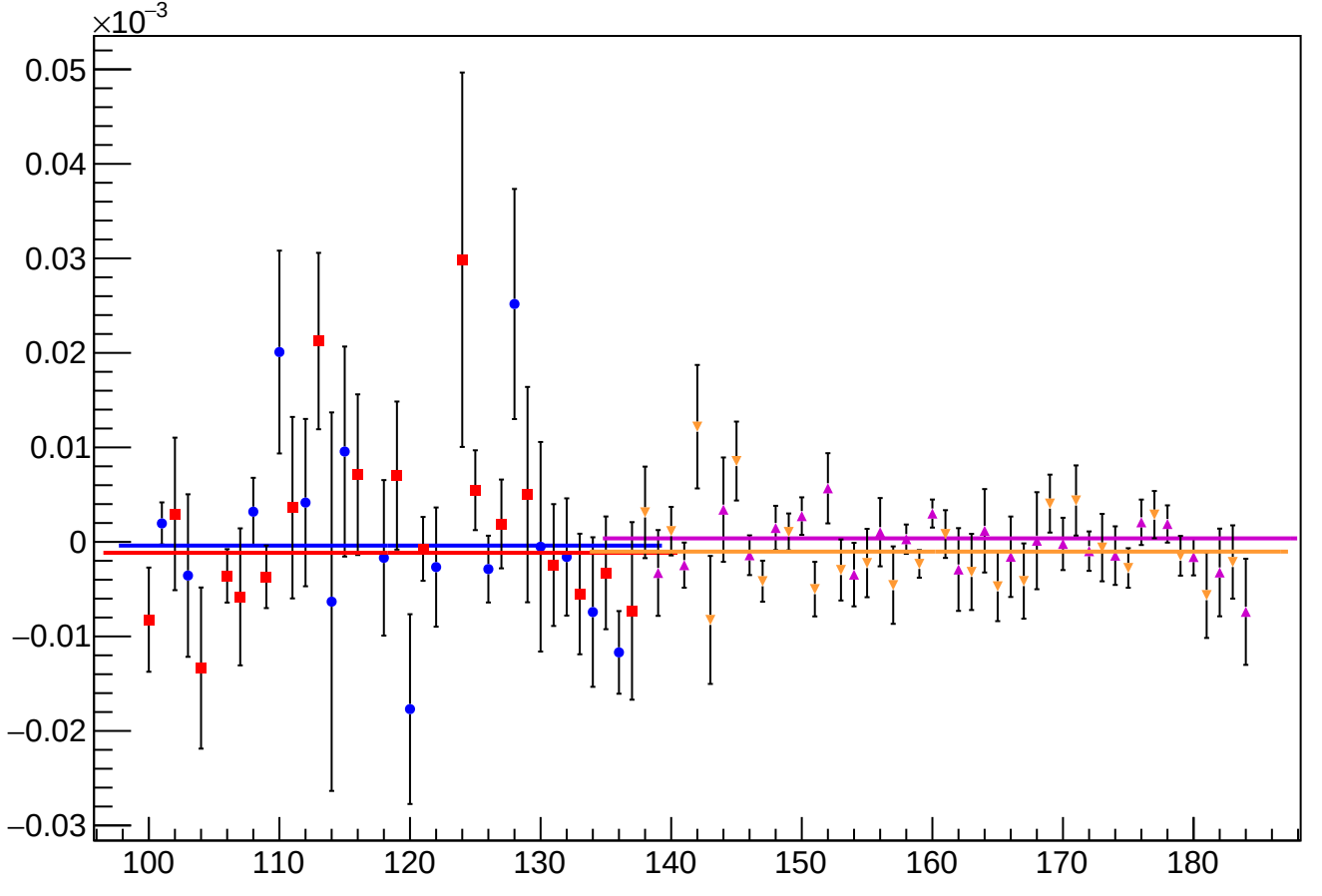
Left: 56.363+/-0.007 χ^2/NDF: 4926281.8/46

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 57.707+/-0.009 χ^2/NDF:4141976.1/38

Out: 56.165+/-0.009 χ^2/NDF:5377616.0/42

All: 56.918+/-0.006 χ^2/NDF: 9534649.4/81



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:17.5/22

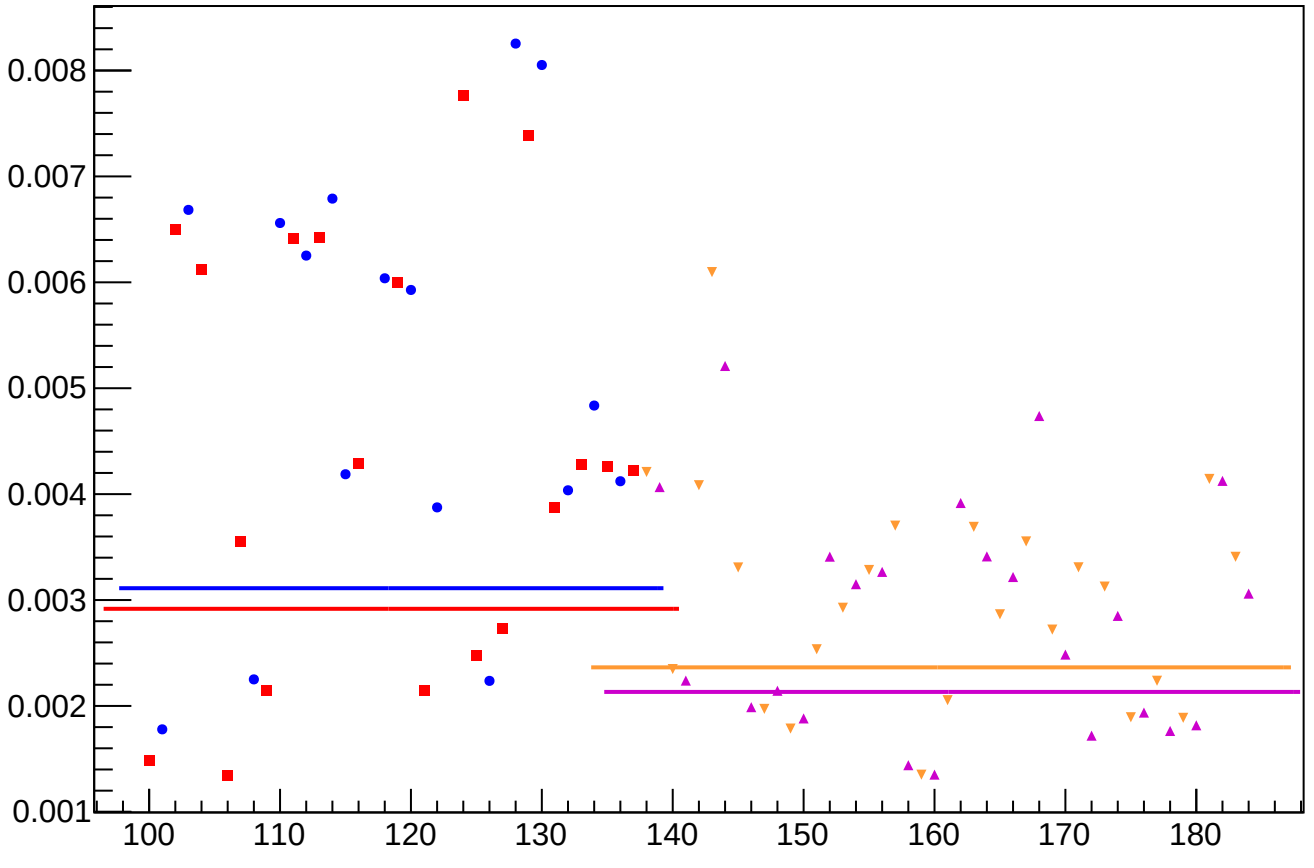
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:40.3/38

Out: -0.000+/-0.000 χ^2/NDF:51.1/42

All: -0.000+/-0.000 χ^2/NDF: 94.7/81



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:4521223.3/22

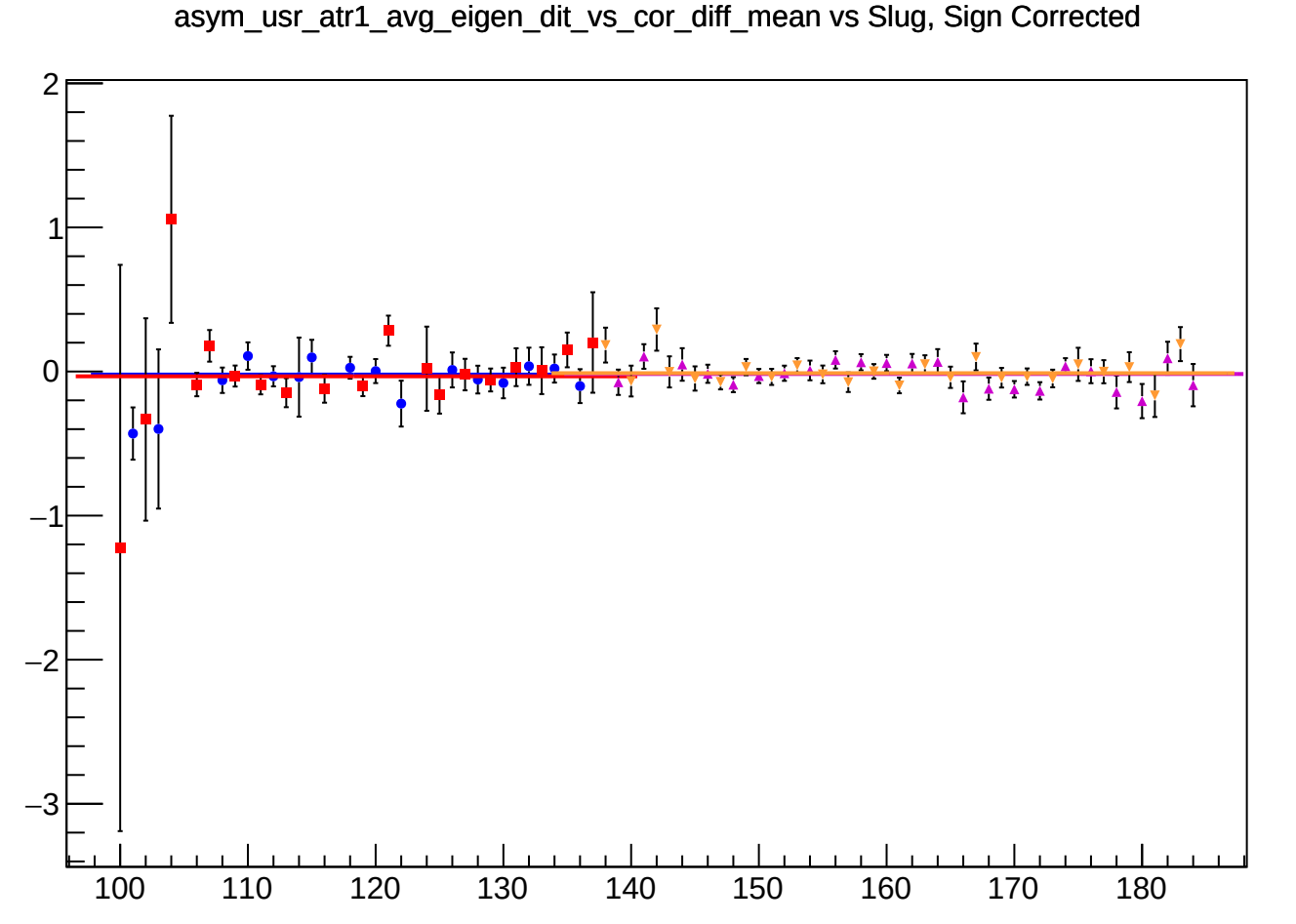
Left: 0.002+/-0.000 χ^2/NDF: 8815359.3/46

Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:8735547.1/38

Out: 0.002+/-0.000 χ^2/NDF:7738982.2/42

All: 0.002+/-0.000 χ^2/NDF: 16615884.4/81



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+/-0.014 χ^2/NDF:30.6/22

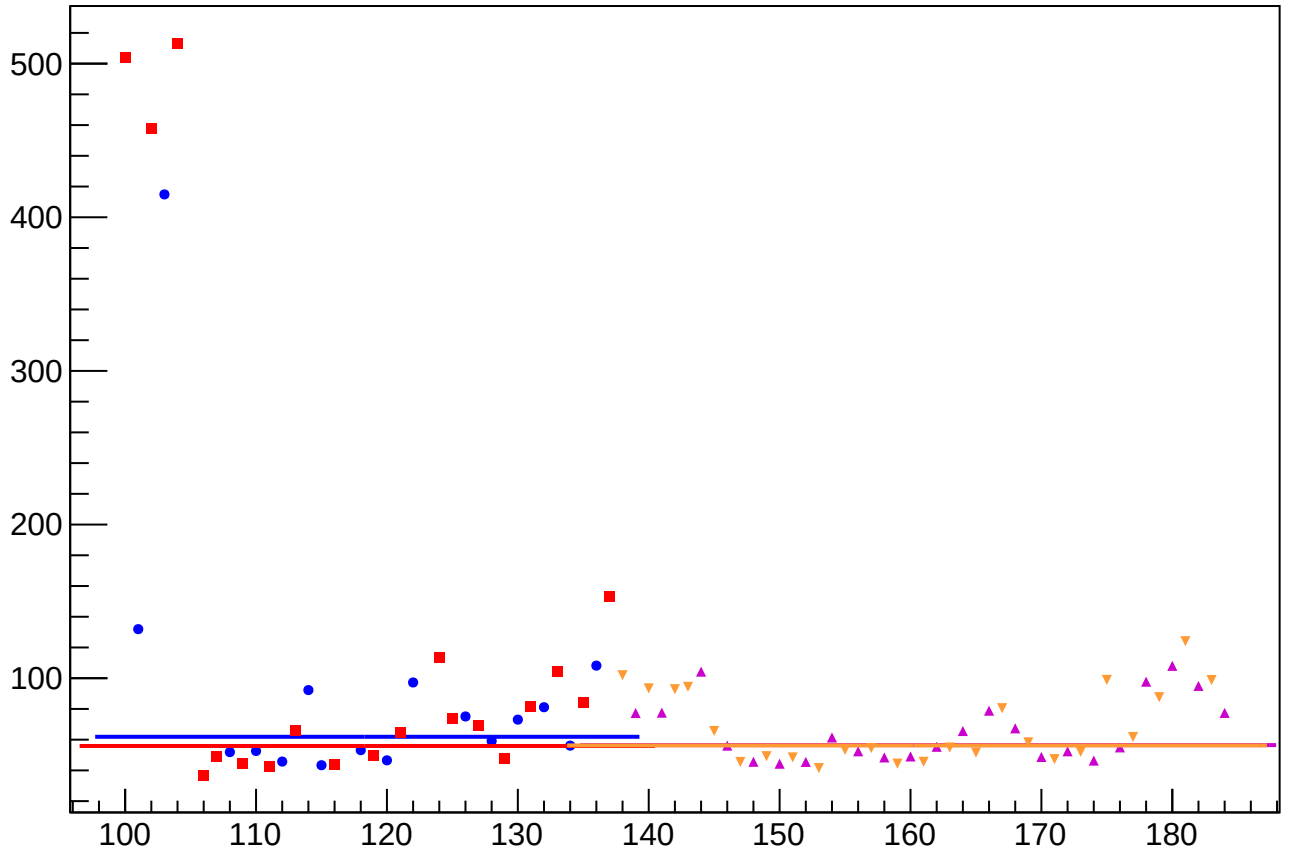
Left: -0.014+/-0.010 χ^2/NDF: 52.5/46

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.018+/-0.013 χ^2/NDF:42.6/38

Out: -0.017+/-0.012 χ^2/NDF:46.8/42

All: -0.018+/-0.009 χ^2/NDF: 89.4/81



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: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.363+/-0.007 χ^2/NDF: 4926338.7/46

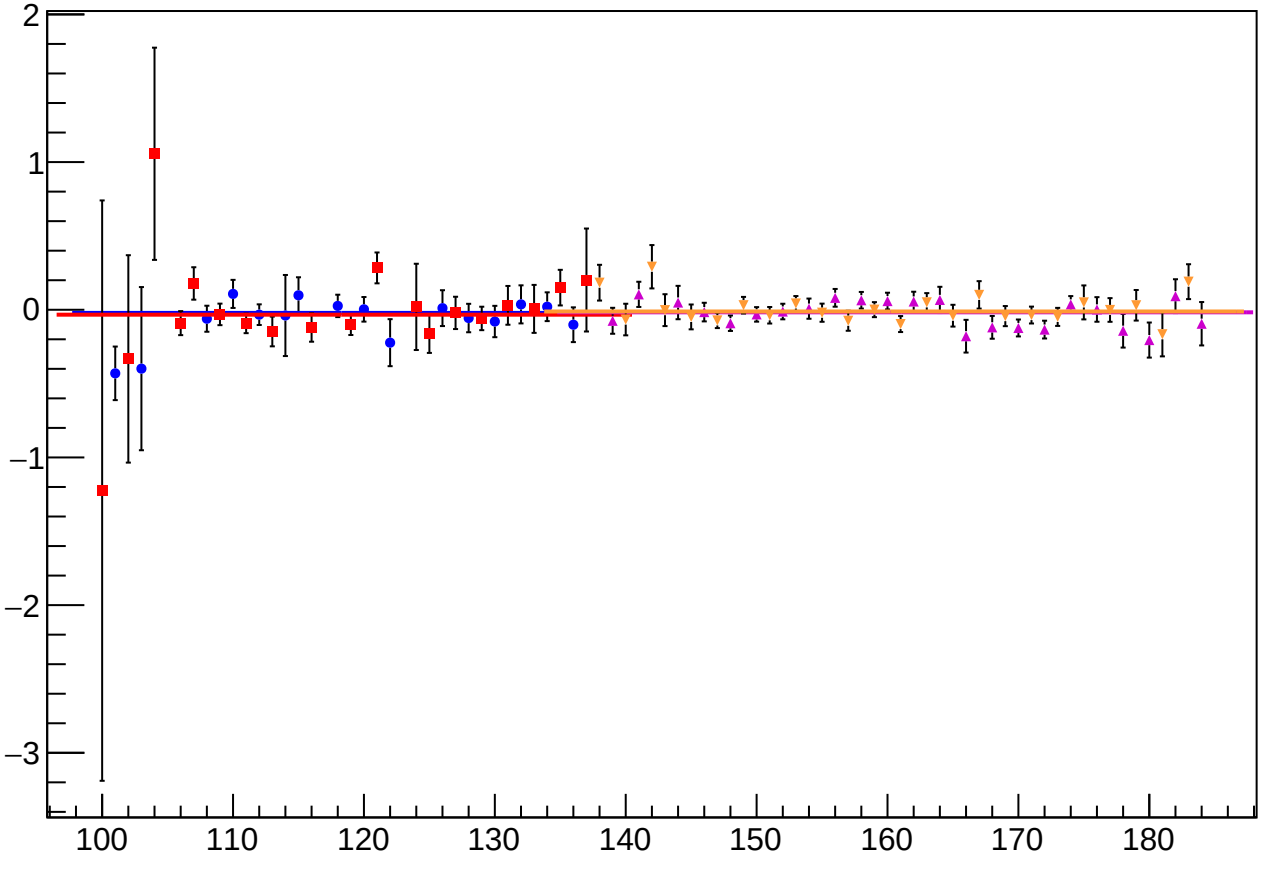
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.707+/-0.009 χ^2/NDF:4141893.4/38

Out: 56.165+/-0.009 χ^2/NDF:5377648.0/42

All: 56.918+/-0.006 χ^2/NDF: 9534599.6/81

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+/-0.014 χ^2/NDF:30.6/22

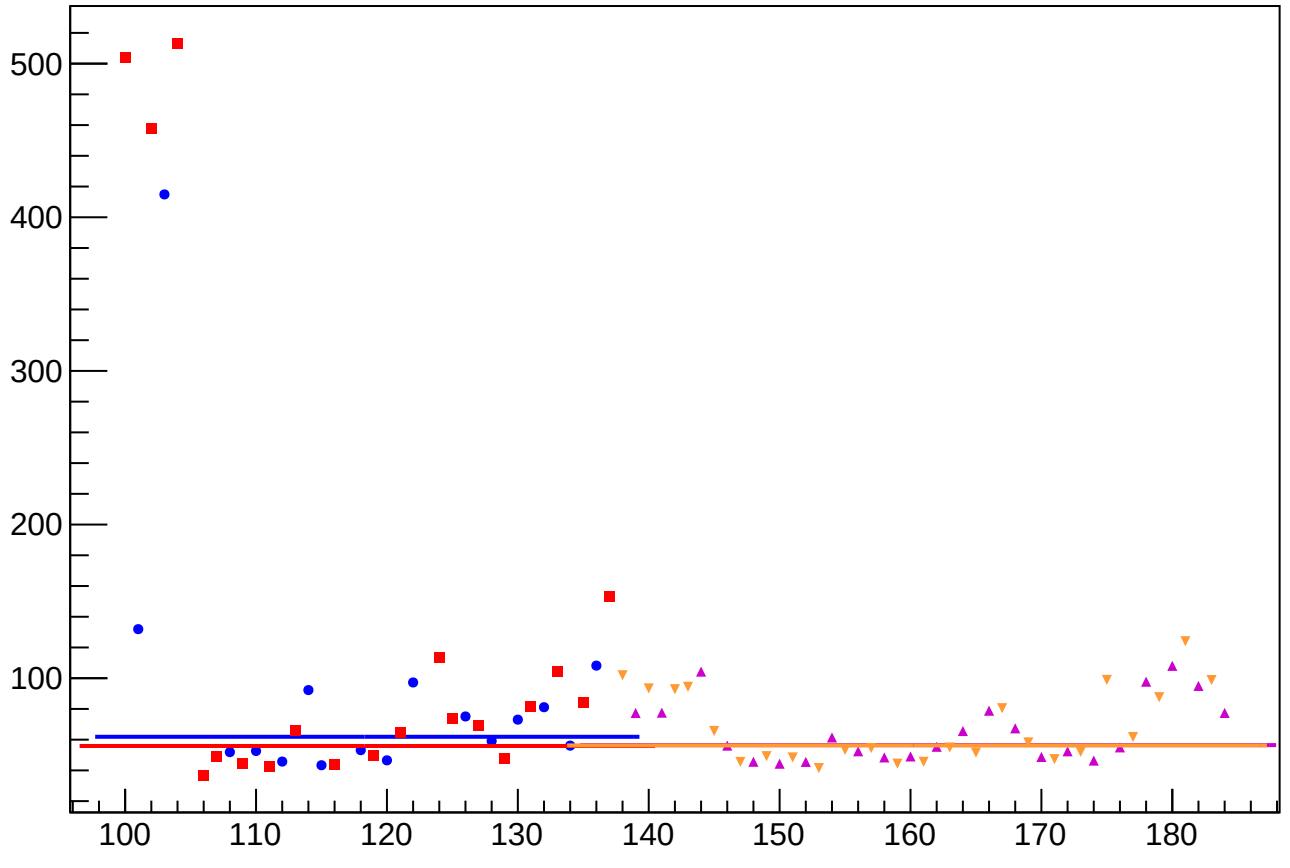
Left: -0.014+/-0.010 χ^2/NDF: 52.5/46

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.018+/-0.013 χ^2/NDF:42.6/38

Out: -0.017+/-0.012 χ^2/NDF:46.8/42

All: -0.018+/-0.009 χ^2/NDF: 89.4/81



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: 56.467+/-0.010 χ^2/NDF:2140063.7/22

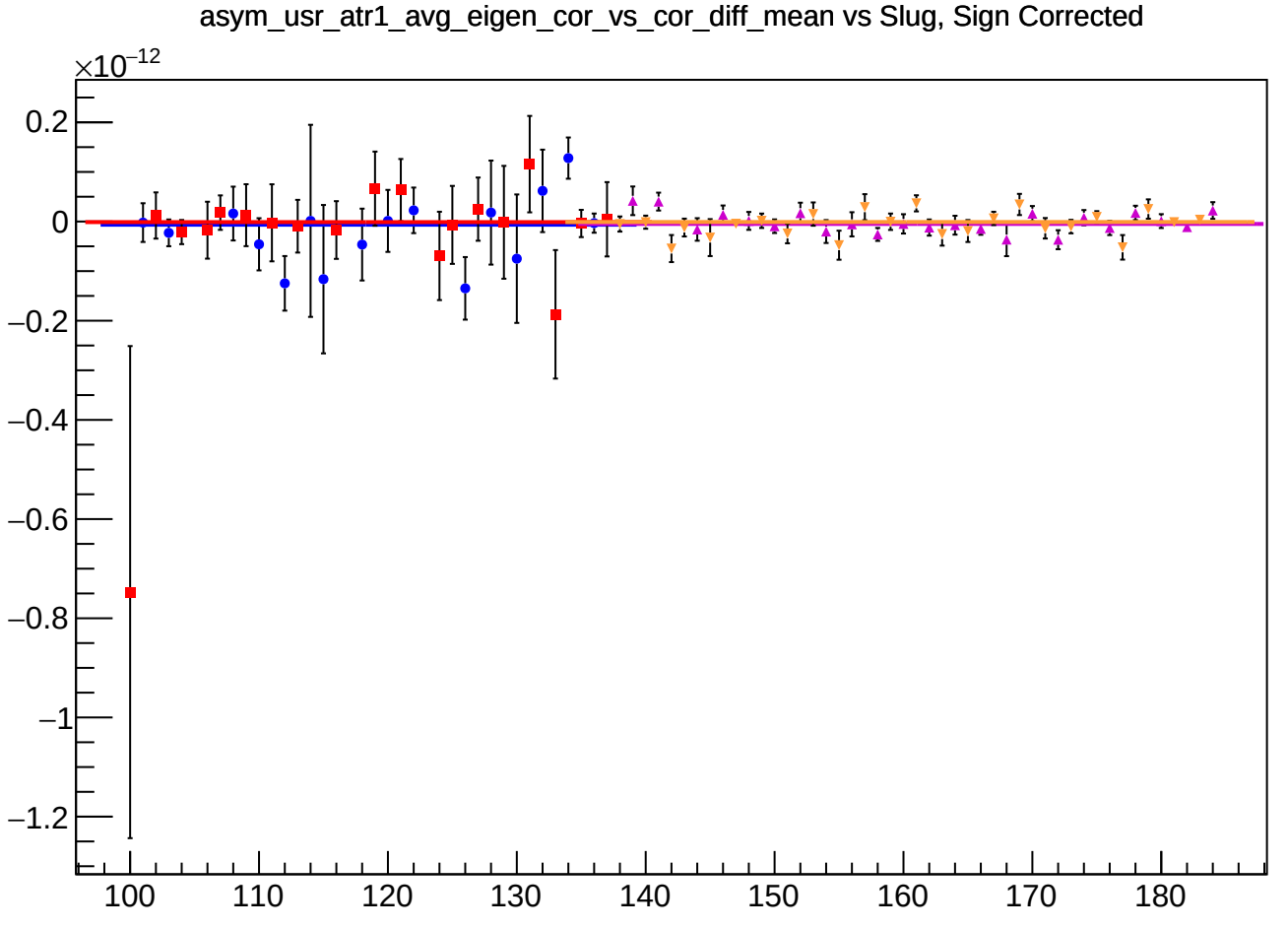
Left: 56.363+/-0.007 χ^2/NDF: 4926338.7/46

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.707+/-0.009 χ^2/NDF:4141893.4/38

Out: 56.165+/-0.009 χ^2/NDF:5377648.0/42

All: 56.918+/-0.006 χ^2/NDF: 9534599.6/81



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:28.4/22

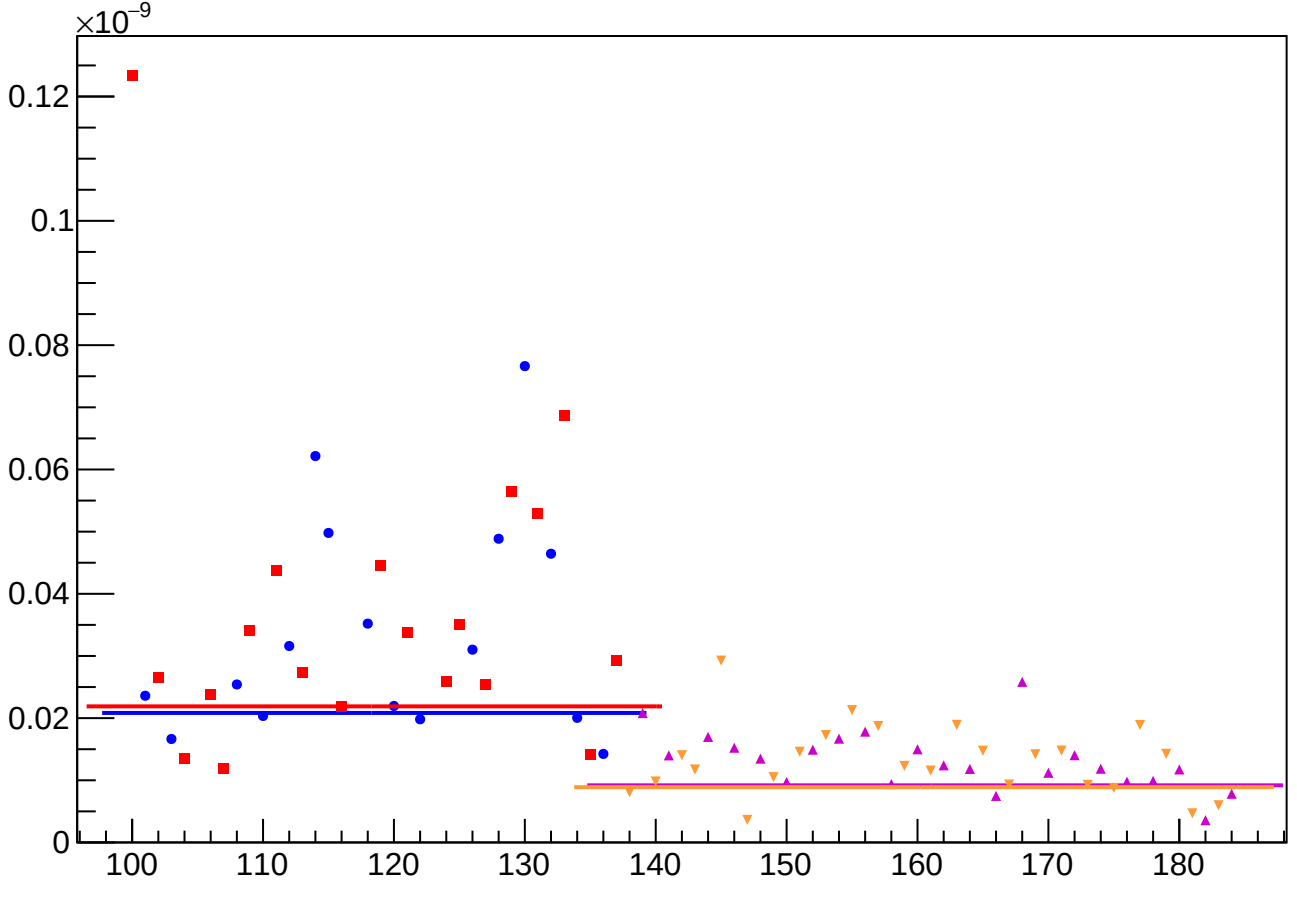
Left: -0.000+/-0.000 χ^2/NDF: 58.3/46

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:51.0/38

Out: -0.000+/-0.000 χ^2/NDF:38.8/42

All: -0.000+/-0.000 χ^2/NDF: 90.8/81



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:5079391.4/22

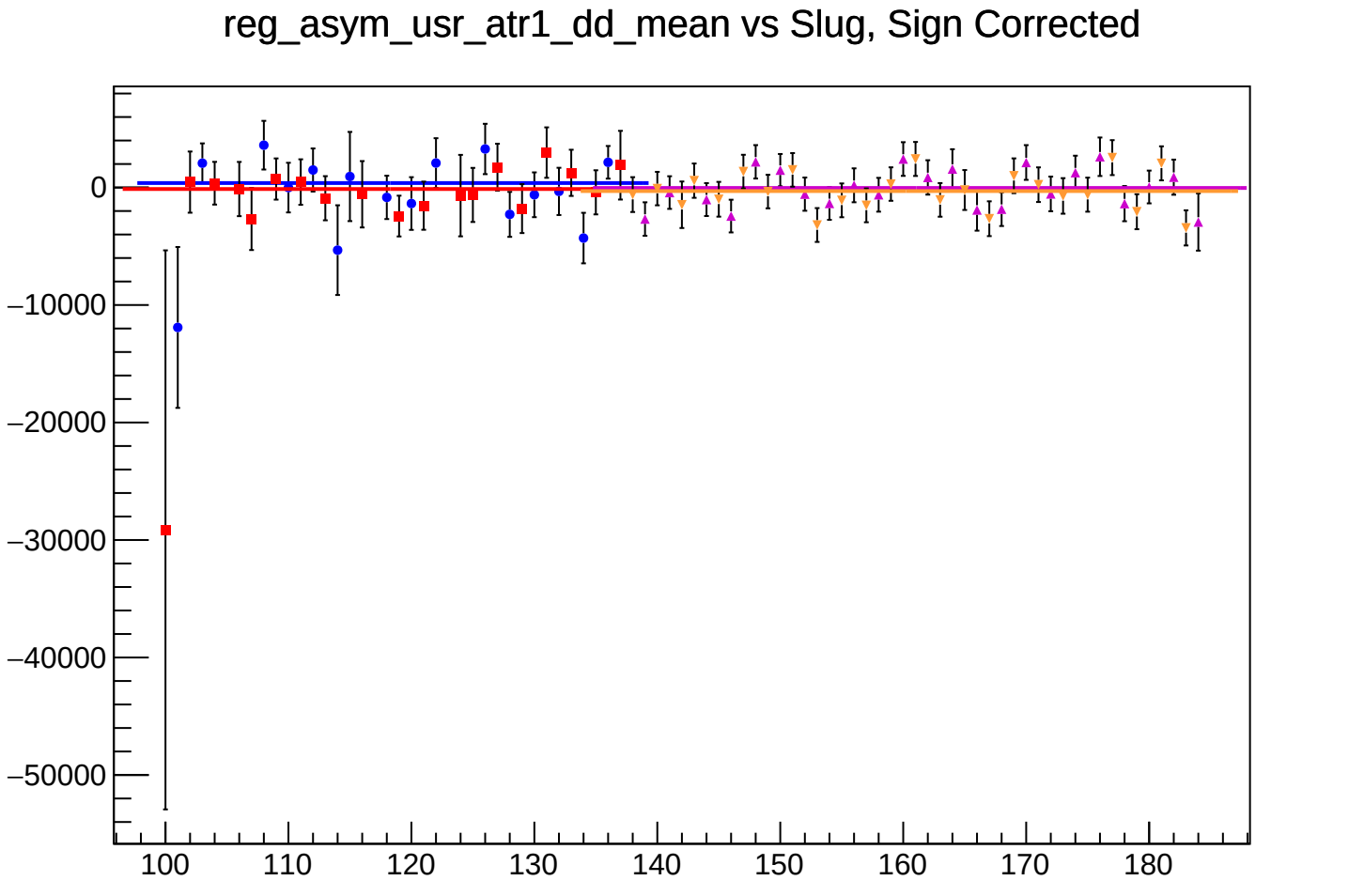
Left: 0.000+/-0.000 χ^2/NDF: 10133489.6/46

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:8454180.0/38

Out: 0.000+/-0.000 χ^2/NDF:9201023.6/42

All: 0.000+/-0.000 χ^2/NDF: 17667347.5/81



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: -39.122+/-308.622 χ^2/NDF:27.1/22

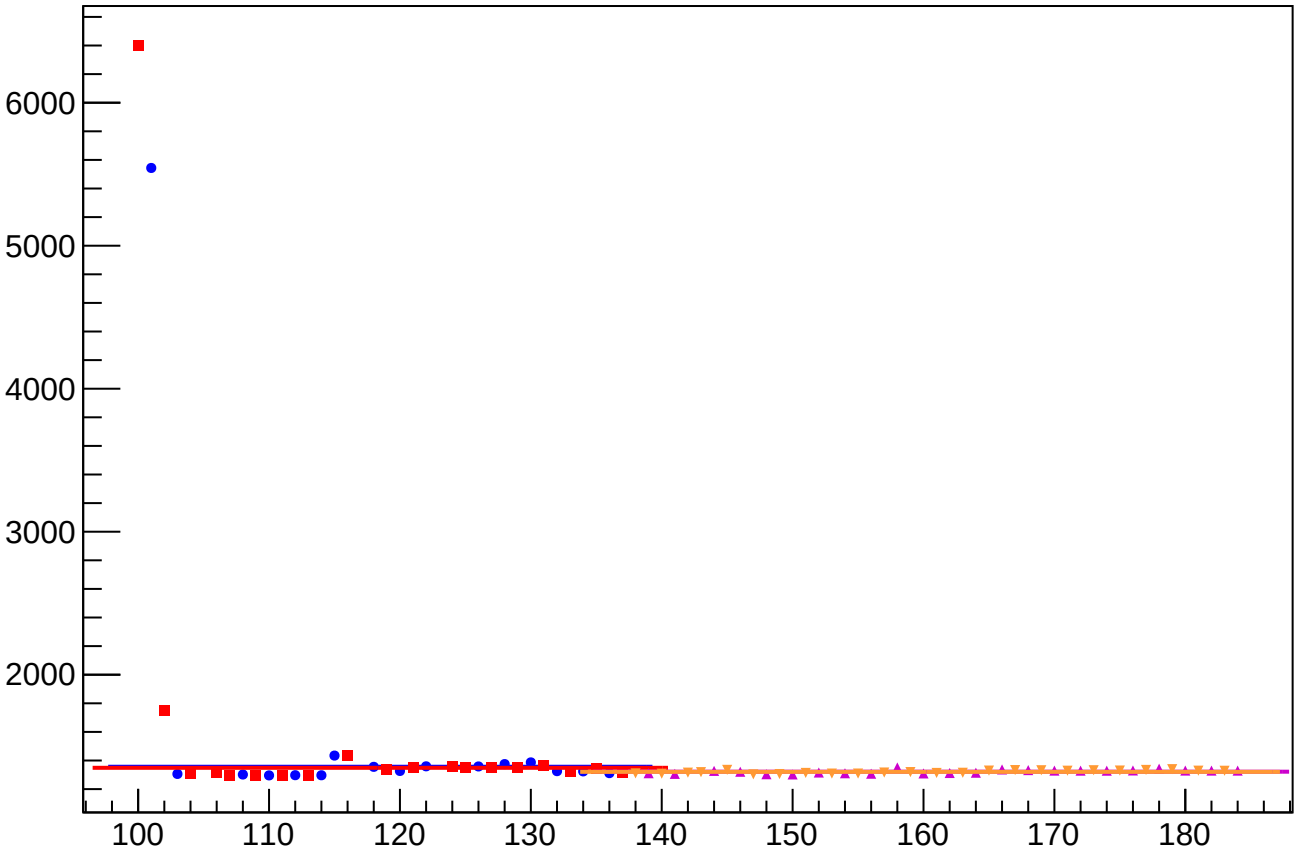
Left: -173.470+/-215.860 χ^2/NDF: 56.1/46

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 71.112+/-265.103 χ^2/NDF:49.1/38

Out: -255.702+/-258.661 χ^2/NDF:38.7/42

All: -96.314+/-185.137 χ^2/NDF: 88.6/81



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: 1321.782+/-0.218 χ^2/NDF:3553.3/22

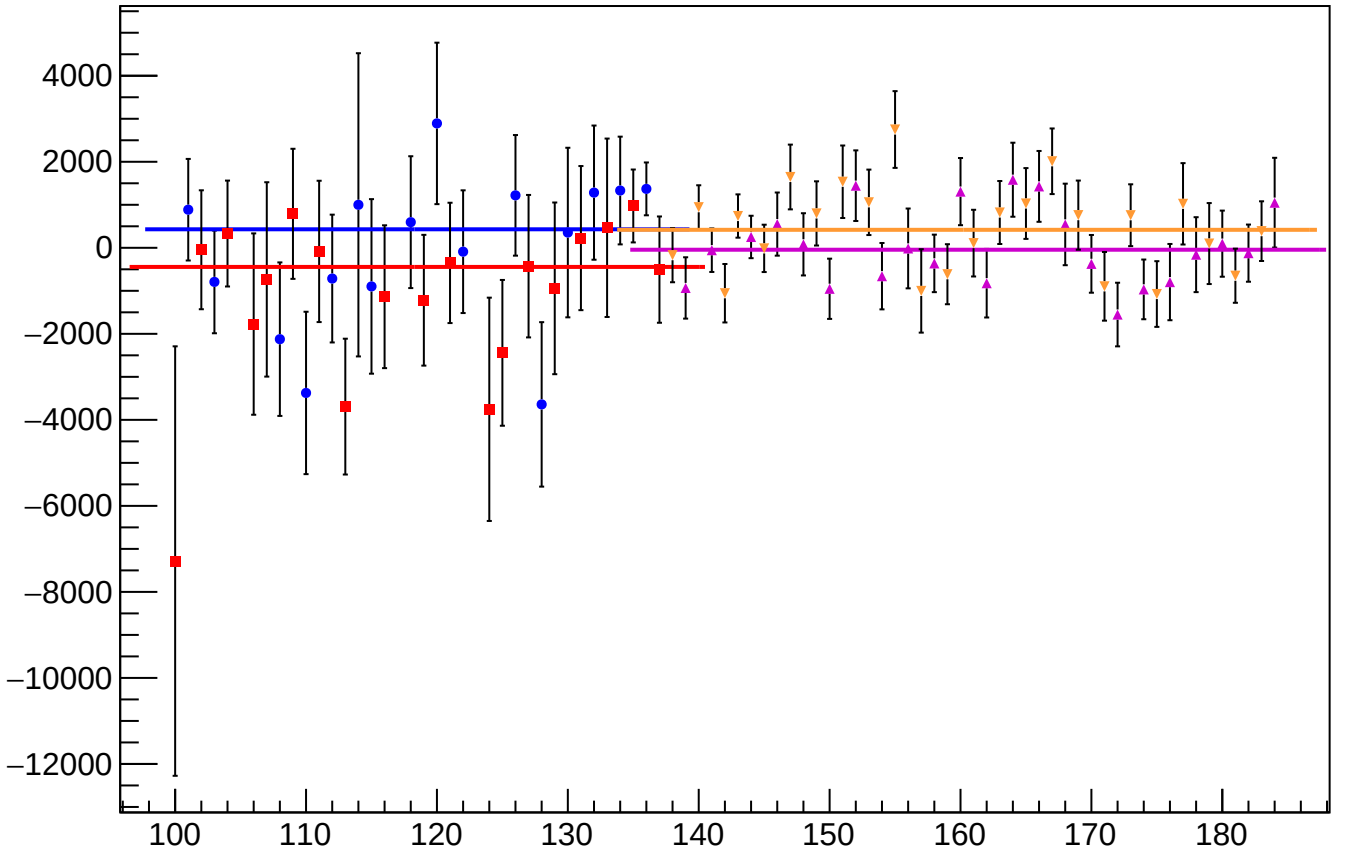
Left: 1321.238+/-0.153 χ^2/NDF: 6166.8/46

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.856+/-0.187 χ^2/NDF:770414.6/38

Out: 1328.249+/-0.183 χ^2/NDF:154533.8/42

All: 1329.521+/-0.131 χ^2/NDF: 925047.5/81



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: -44.777+/-152.333 χ^2/NDF:27.6/22

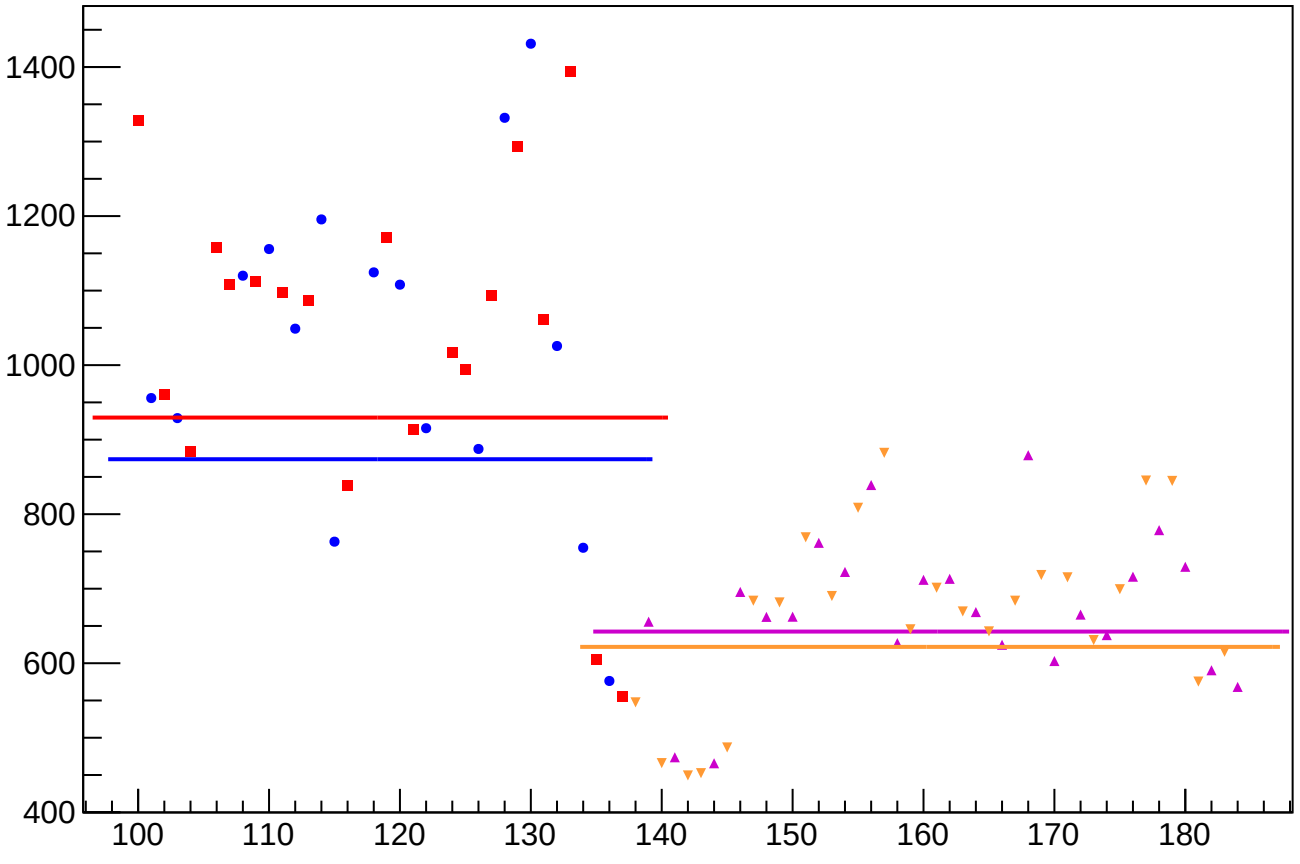
Left: 197.213+/-105.245 χ^2/NDF: 72.4/46

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 35.259+/-138.911 χ^2/NDF:47.5/38

Out: 294.369+/-134.723 χ^2/NDF:59.4/42

All: 168.779+/-96.710 χ^2/NDF: 108.6/81



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: 642.470+/-0.108 χ^2/NDF:926330.5/22

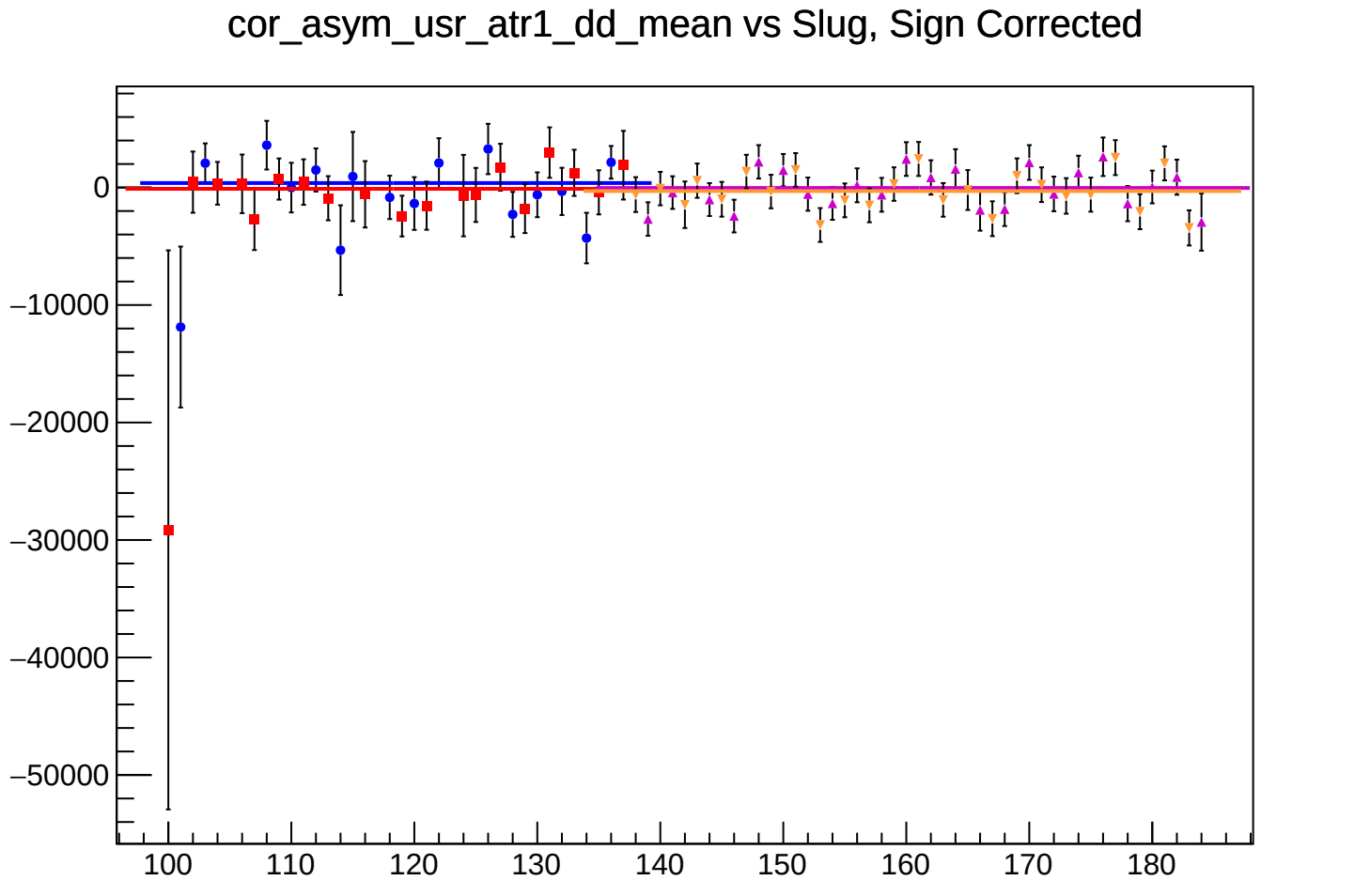
Left: 631.727+/-0.074 χ^2/NDF: 2328826.6/46

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 681.426+/-0.098 χ^2/NDF:2717647.8/38

Out: 666.086+/-0.095 χ^2/NDF:3526144.7/42

All: 673.521+/-0.068 χ^2/NDF: 6256359.2/81



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: -39.193+/-308.622 χ^2/NDF:27.1/22

Left: -173.511+/-215.860 χ^2/NDF: 56.1/46

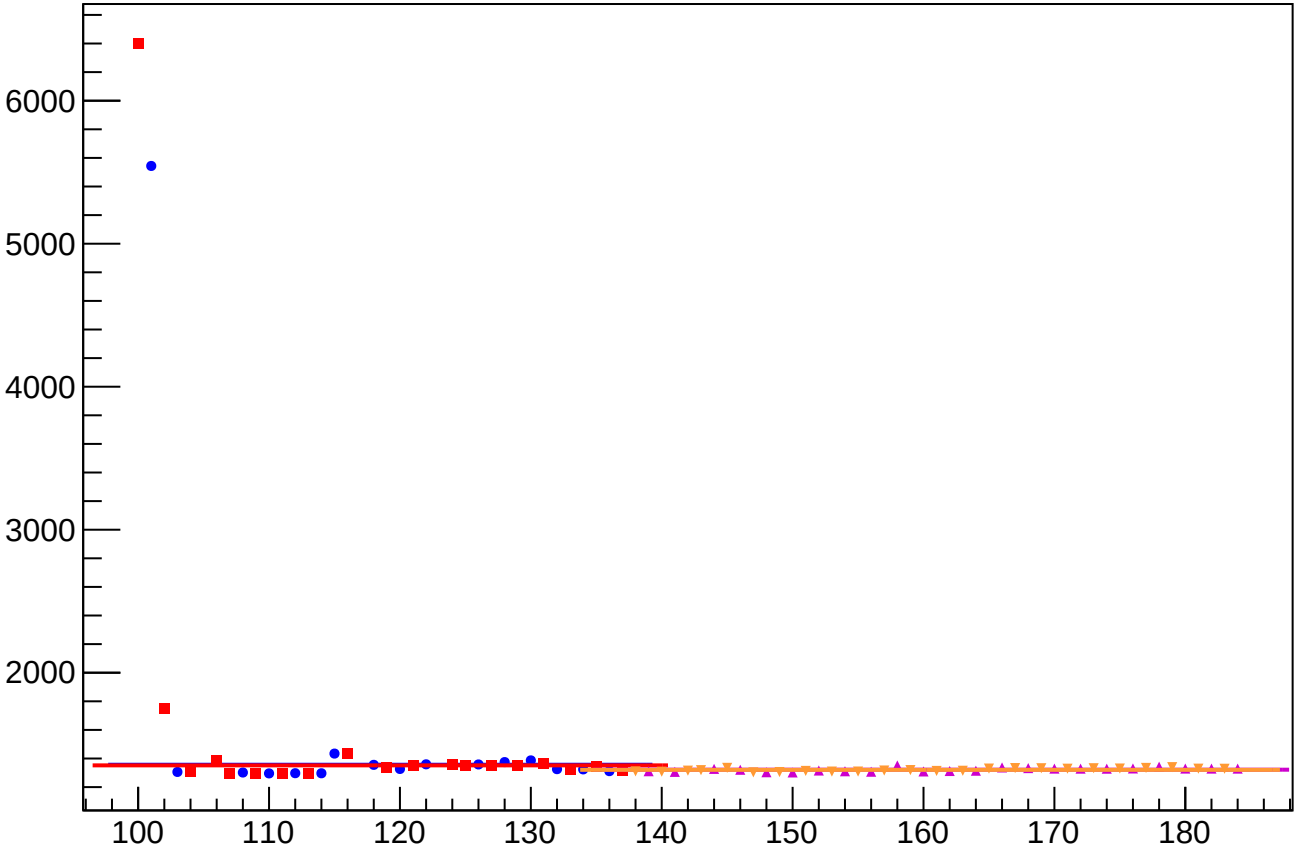
Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 71.141+/-265.103 χ^2/NDF:49.1/38

Out: -251.261+/-258.896 χ^2/NDF:38.8/42

All: -93.879+/-185.223 χ^2/NDF: 88.6/81

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: 1321.783+/-0.218 χ^2/NDF:3553.3/22

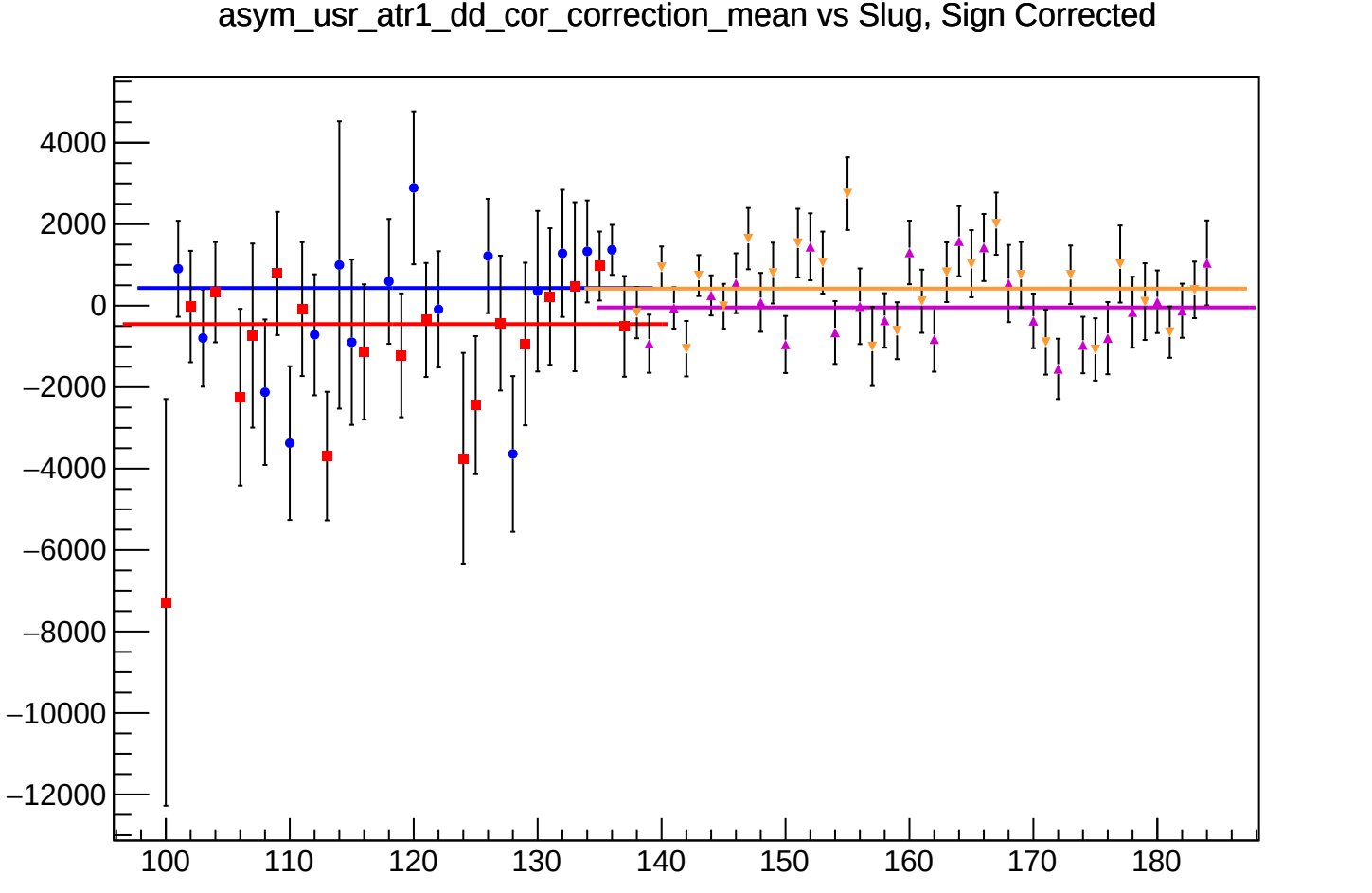
Left: 1321.238+/-0.153 χ^2/NDF: 6166.8/46

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.856+/-0.187 χ^2/NDF:770413.7/38

Out: 1329.036+/-0.183 χ^2/NDF:155649.3/42

All: 1329.925+/-0.131 χ^2/NDF: 926111.2/81



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: -44.766+/-152.332 χ^2/NDF:27.6/22

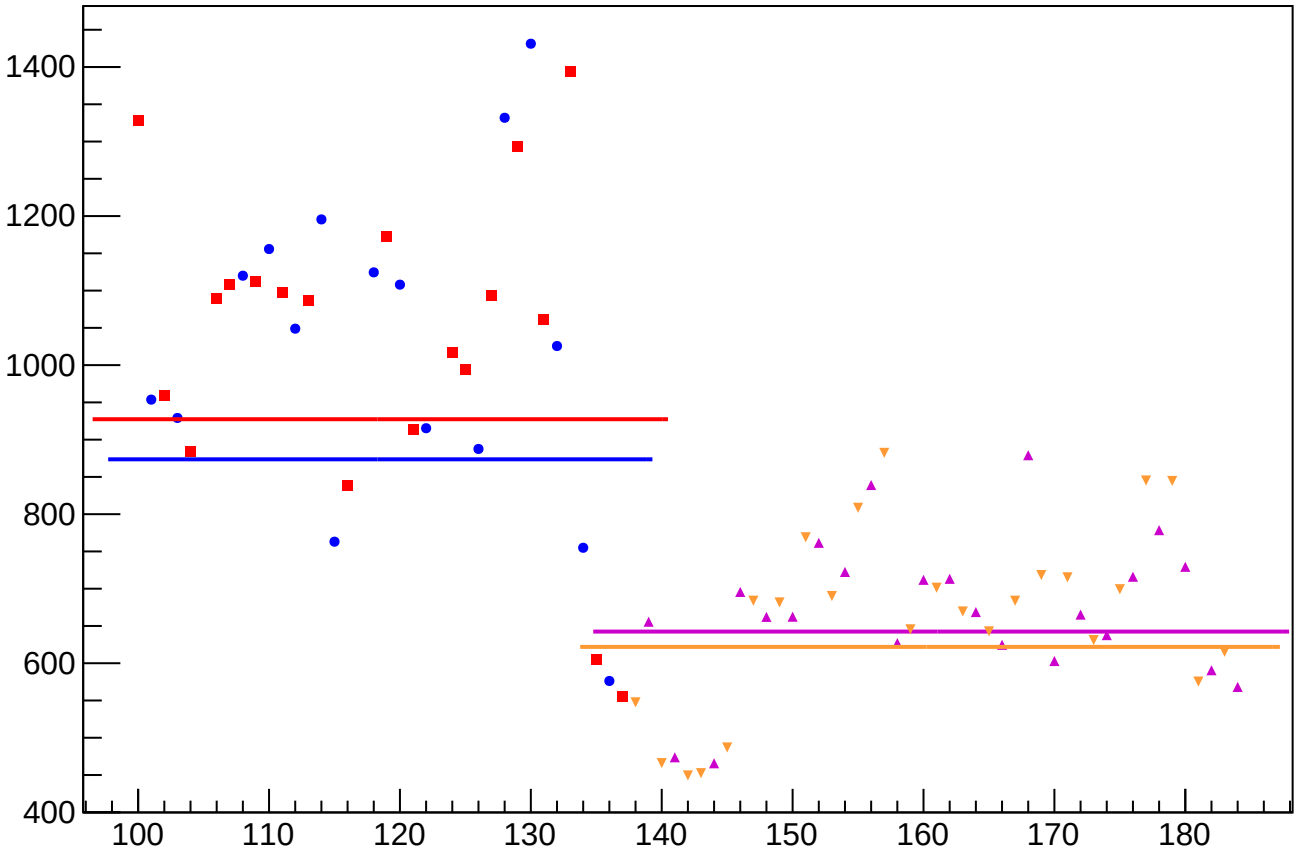
Left: 197.200+/-105.245 χ^2/NDF: 72.4/46

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 35.588+/-138.907 χ^2/NDF:47.5/38

Out: 293.127+/-134.723 χ^2/NDF:59.8/42

All: 168.294+/-96.709 χ^2/NDF: 109.0/81



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: 642.465+/-0.108 χ^2/NDF:926376.1/22

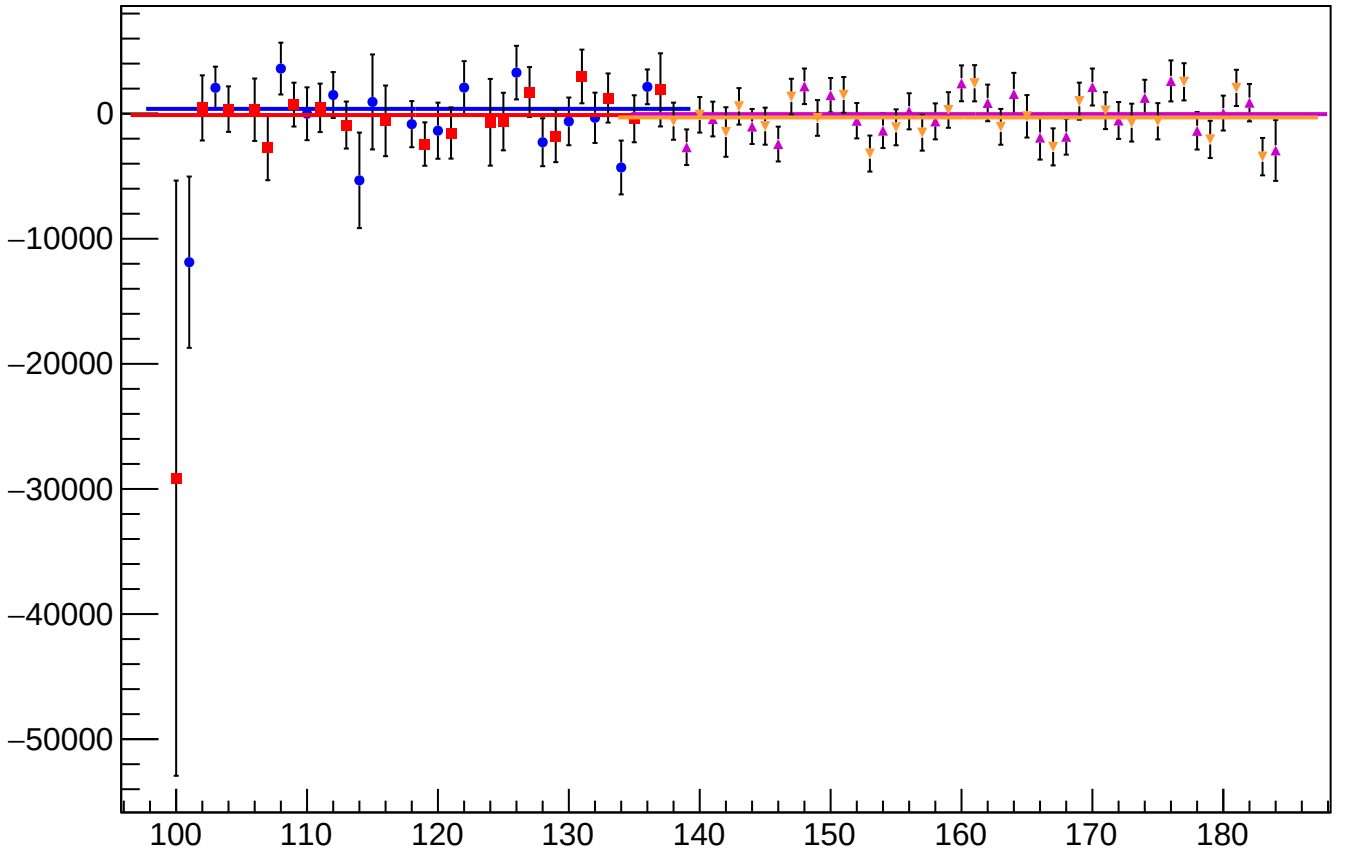
Left: 631.725+/-0.074 χ^2/NDF: 2328763.1/46

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 681.411+/-0.098 χ^2/NDF:2716639.8/38

Out: 665.766+/-0.095 χ^2/NDF:3494937.6/42

All: 673.349+/-0.068 χ^2/NDF: 6224650.7/81



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: -39.193+/-308.622 χ^2/NDF:27.1/22

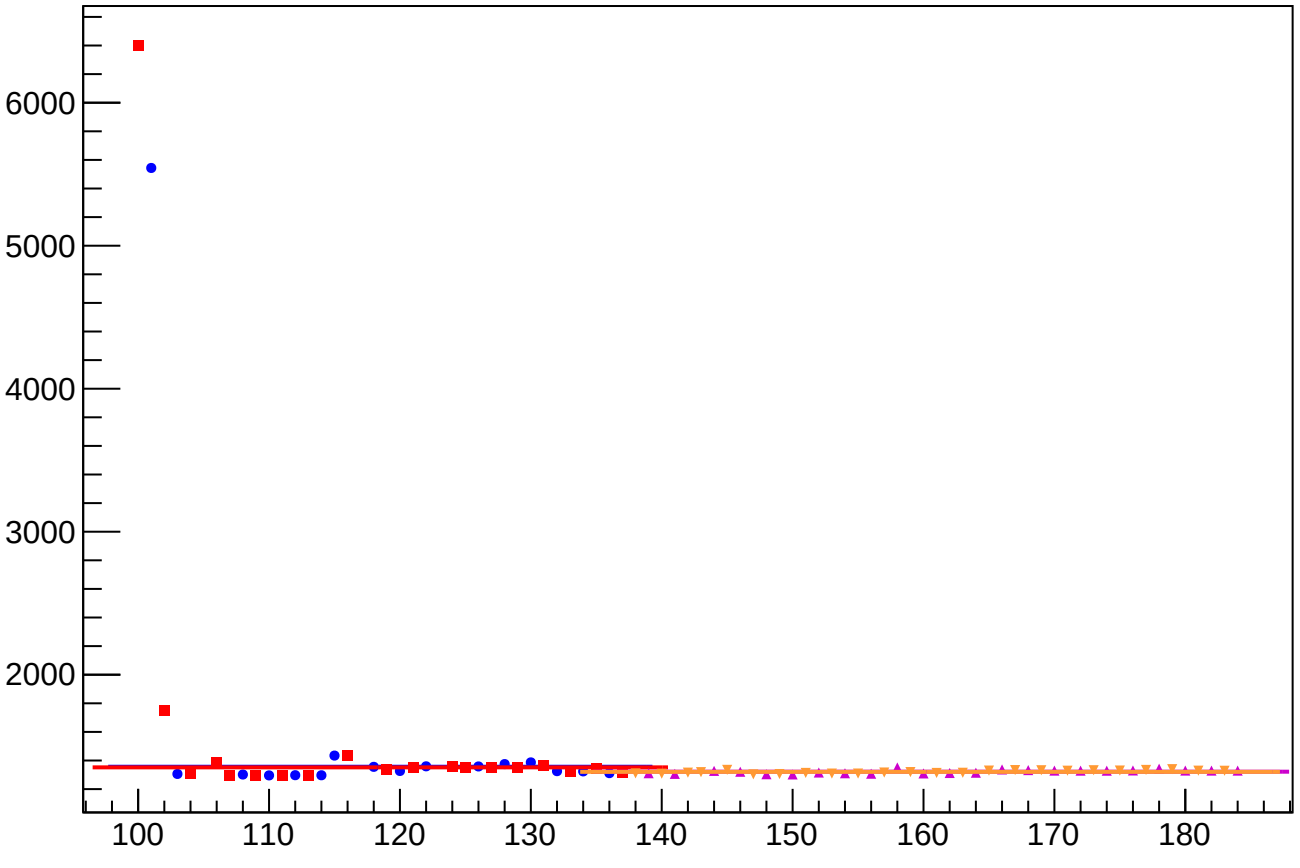
Left: -173.511+/-215.860 χ^2/NDF: 56.1/46

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 71.141+/-265.103 χ^2/NDF:49.1/38

Out: -251.261+/-258.896 χ^2/NDF:38.8/42

All: -93.879+/-185.223 χ^2/NDF: 88.6/81



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: 1321.783+/-0.218 χ^2/NDF:3553.3/22

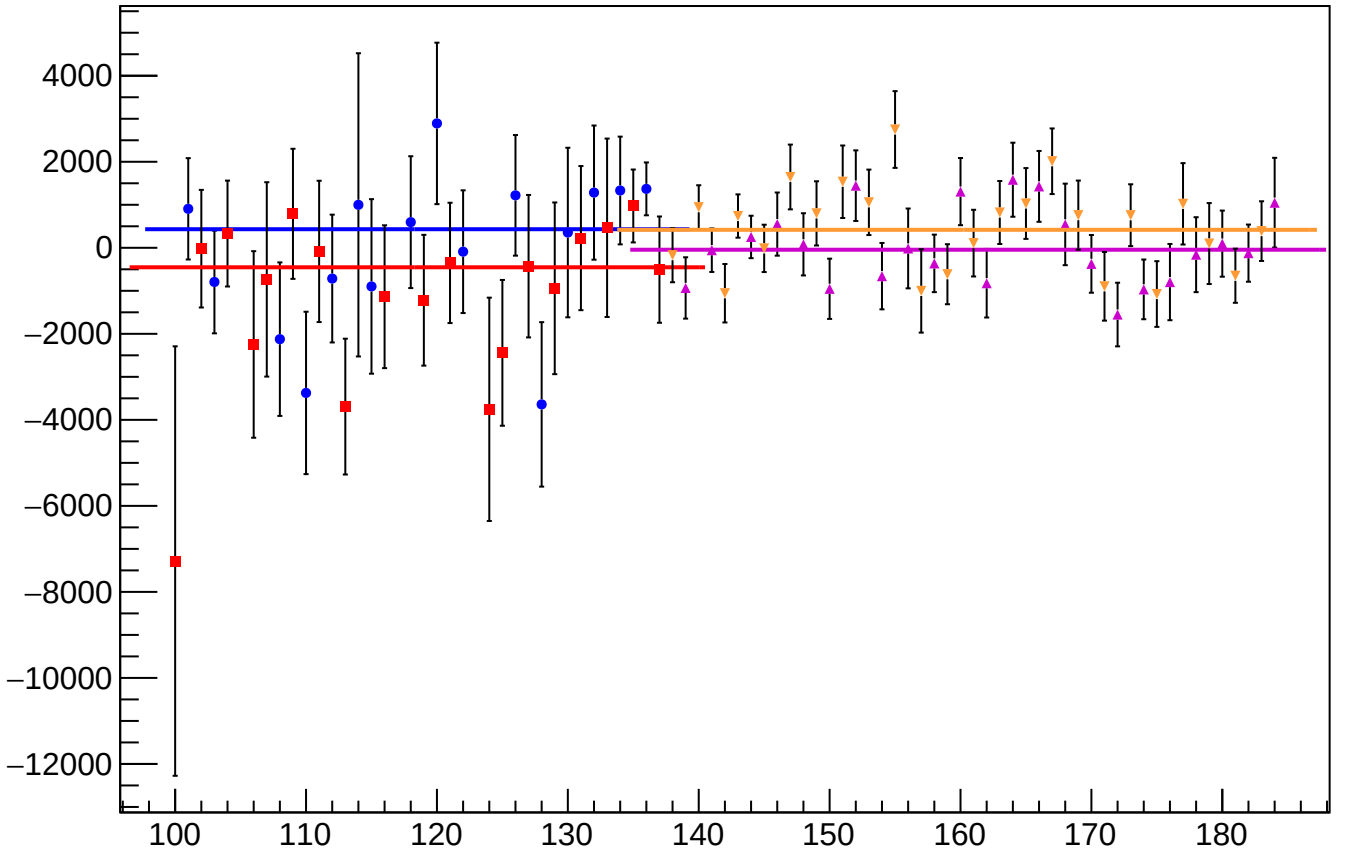
Left: 1321.238+/-0.153 χ^2/NDF: 6166.8/46

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.856+/-0.187 χ^2/NDF:770413.7/38

Out: 1329.036+/-0.183 χ^2/NDF:155649.3/42

All: 1329.925+/-0.131 χ^2/NDF: 926111.2/81



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: -44.766+/-152.332 χ^2/NDF:27.6/22

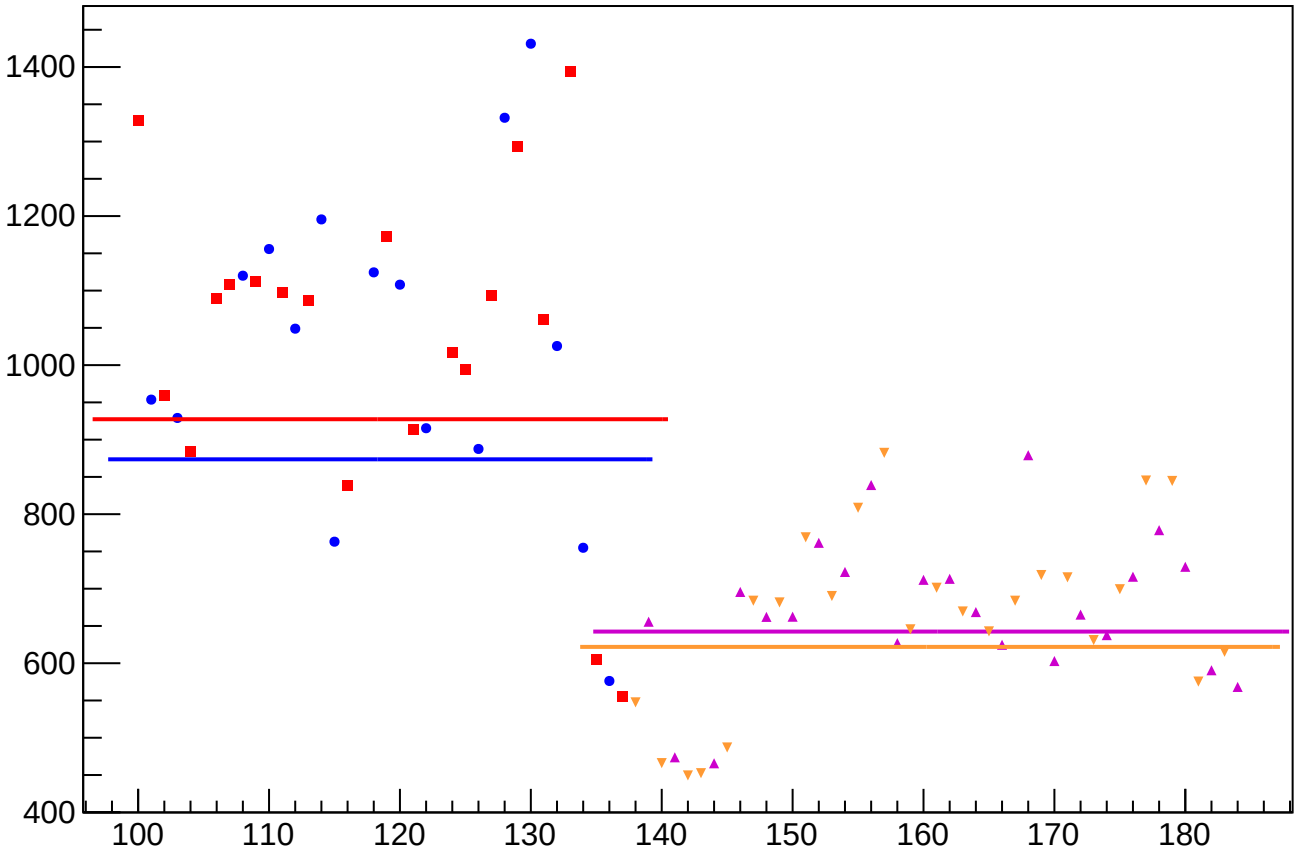
Left: 197.200+/-105.245 χ^2/NDF: 72.4/46

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 35.588+/-138.907 χ^2/NDF:47.5/38

Out: 293.127+/-134.723 χ^2/NDF:59.8/42

All: 168.294+/-96.709 χ^2/NDF: 109.0/81



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: 642.465+/-0.108 χ^2/NDF:926376.1/22

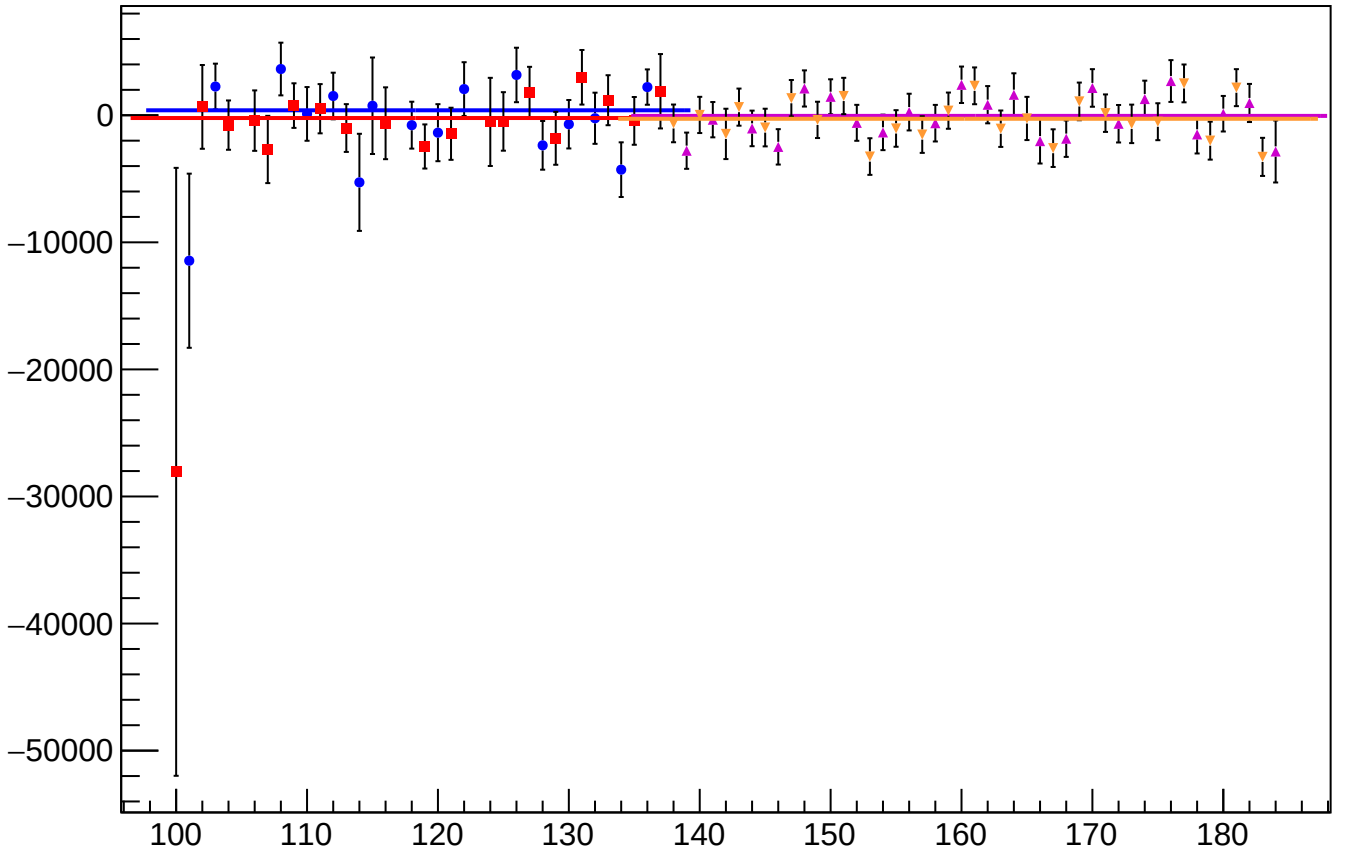
Left: 631.725+/-0.074 χ^2/NDF: 2328763.1/46

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 681.411+/-0.098 χ^2/NDF:2716639.8/38

Out: 665.766+/-0.095 χ^2/NDF:3494937.6/42

All: 673.349+/-0.068 χ^2/NDF: 6224650.7/81



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: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -166.549+/-216.122 χ^2/NDF: 56.1/46

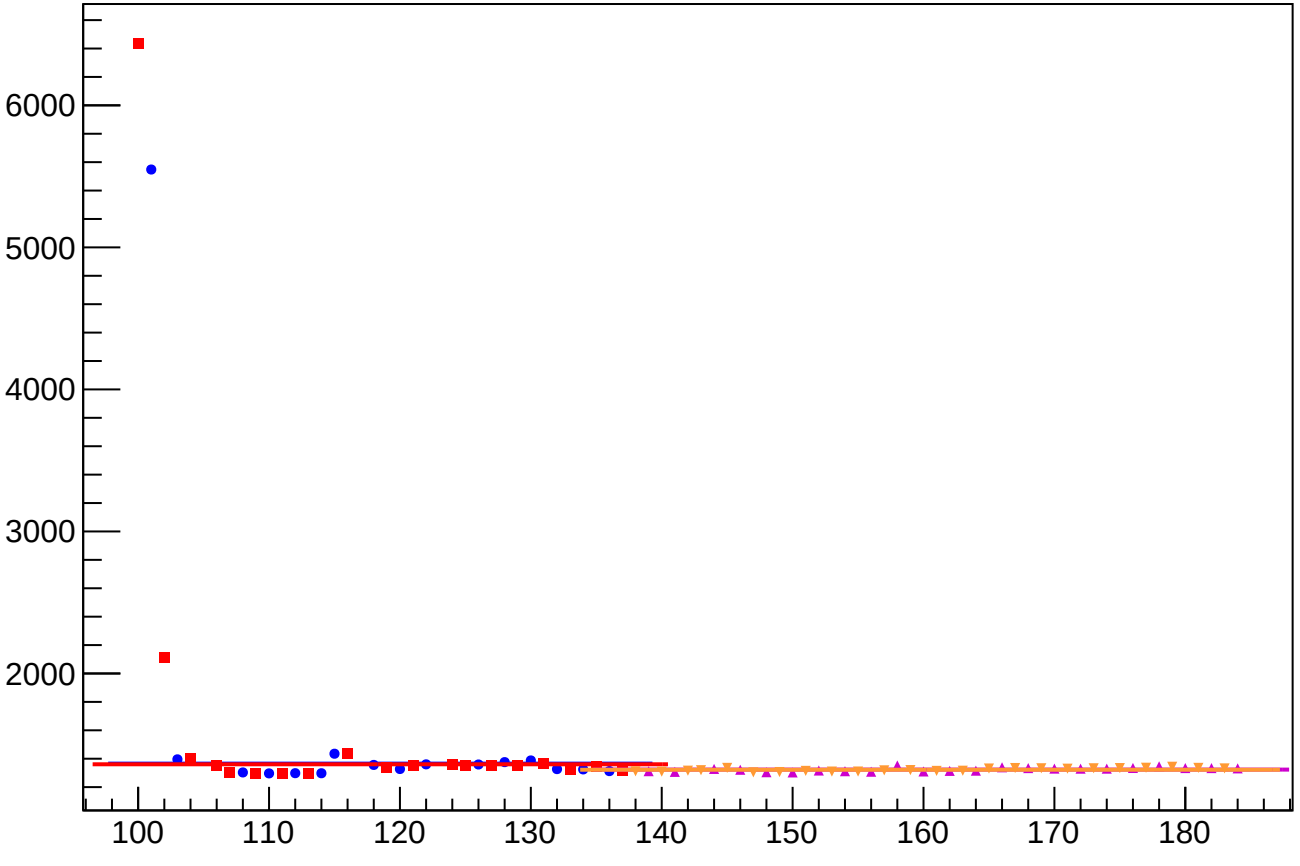
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 64.245+/-265.784 χ^2/NDF:49.7/38

Out: -262.312+/-259.840 χ^2/NDF:38.0/42

All: -102.726+/-185.801 χ^2/NDF: 88.5/81

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: 1323.337+/-0.218 χ^2/NDF:3856.3/22

Left: 1322.835+/-0.153 χ^2/NDF: 6798.1/46

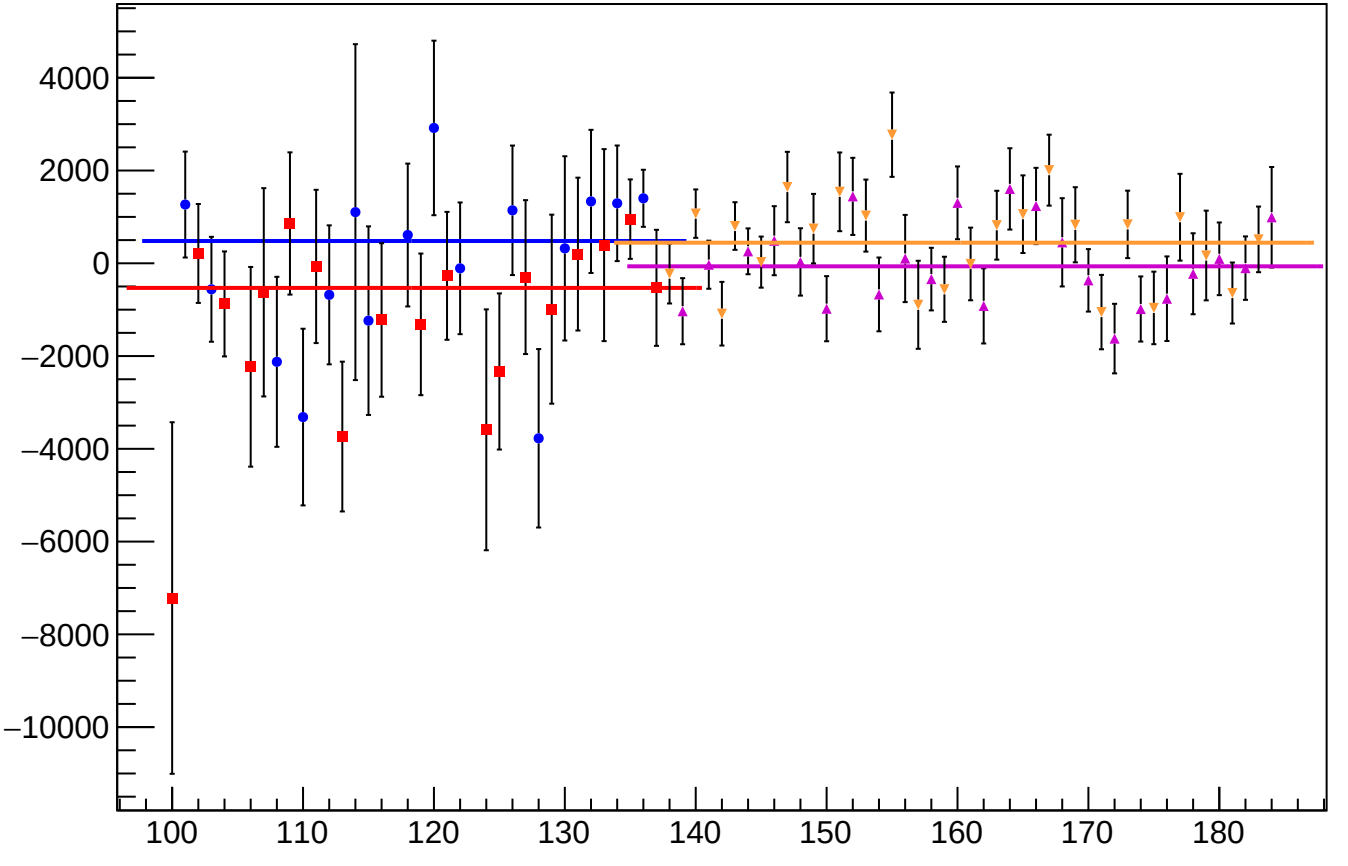
Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1334.252+/-0.188 χ^2/NDF:772395.8/38

Out: 1332.407+/-0.184 χ^2/NDF:216694.0/42

All: 1333.309+/-0.131 χ^2/NDF: 989139.1/81

asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 443.944+/-147.556 χ^2/NDF:39.8/23

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

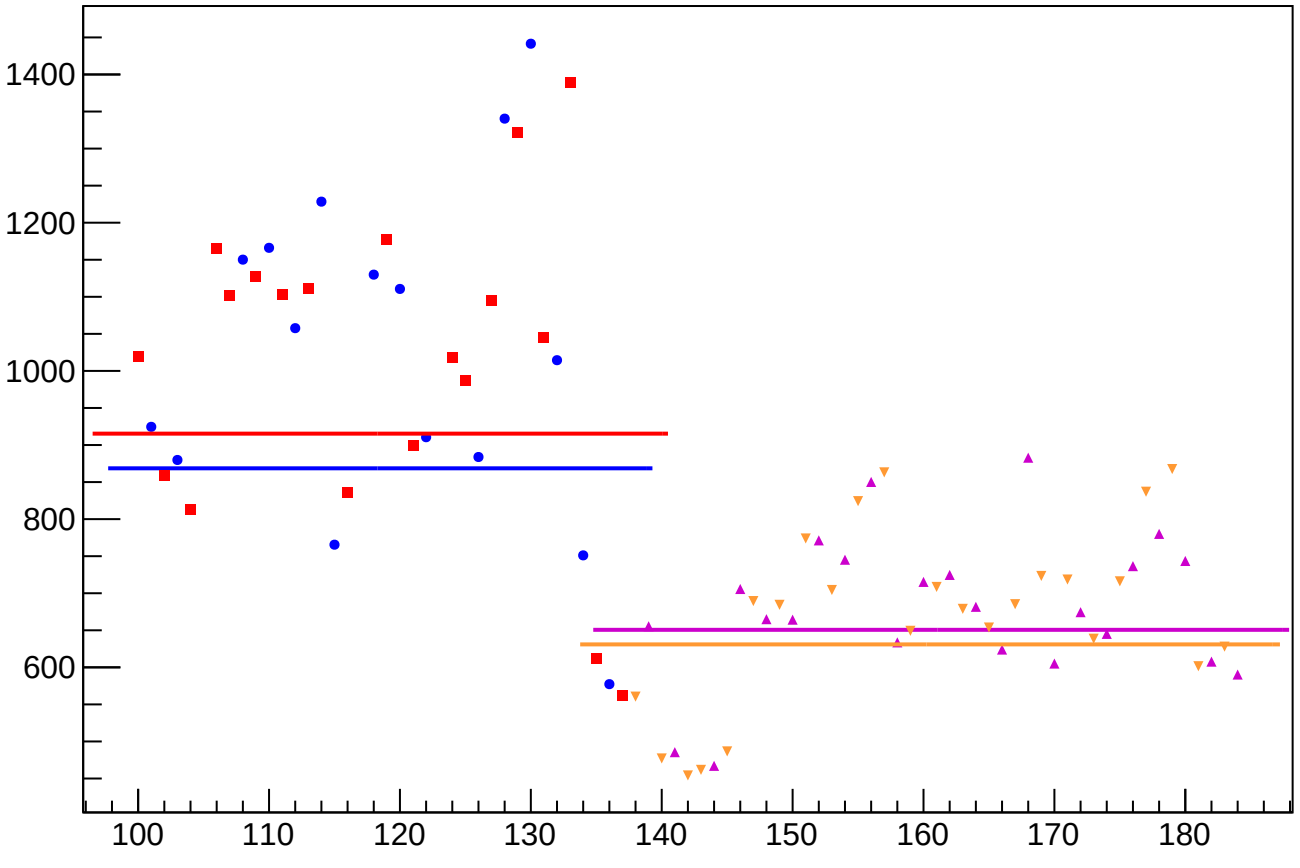
Left: 200.519+/-106.617 χ^2/NDF: 72.5/46

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 29.333+/-140.202 χ^2/NDF:47.8/38

Out: 294.065+/-135.735 χ^2/NDF:62.1/42

All: 165.984+/-97.520 χ^2/NDF: 111.8/81



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: 650.637+/-0.109 χ^2/NDF:922078.1/22

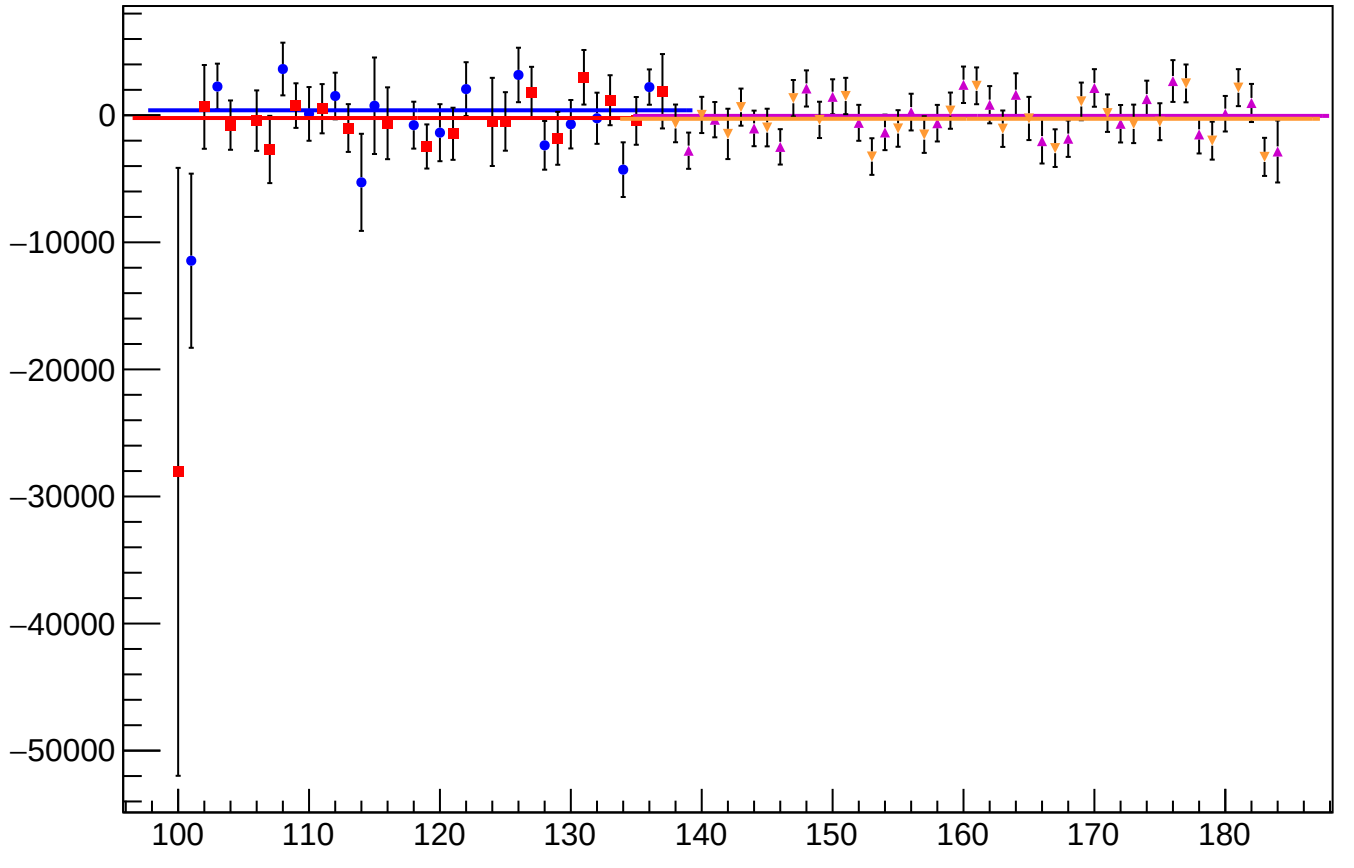
Left: 640.370+/-0.075 χ^2/NDF: 2266763.0/46

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 688.465+/-0.099 χ^2/NDF:2636627.9/38

Out: 674.713+/-0.096 χ^2/NDF:3329247.6/42

All: 681.366+/-0.069 χ^2/NDF: 5975808.1/81



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: -50.244+/-308.986 χ^2/NDF:27.8/22

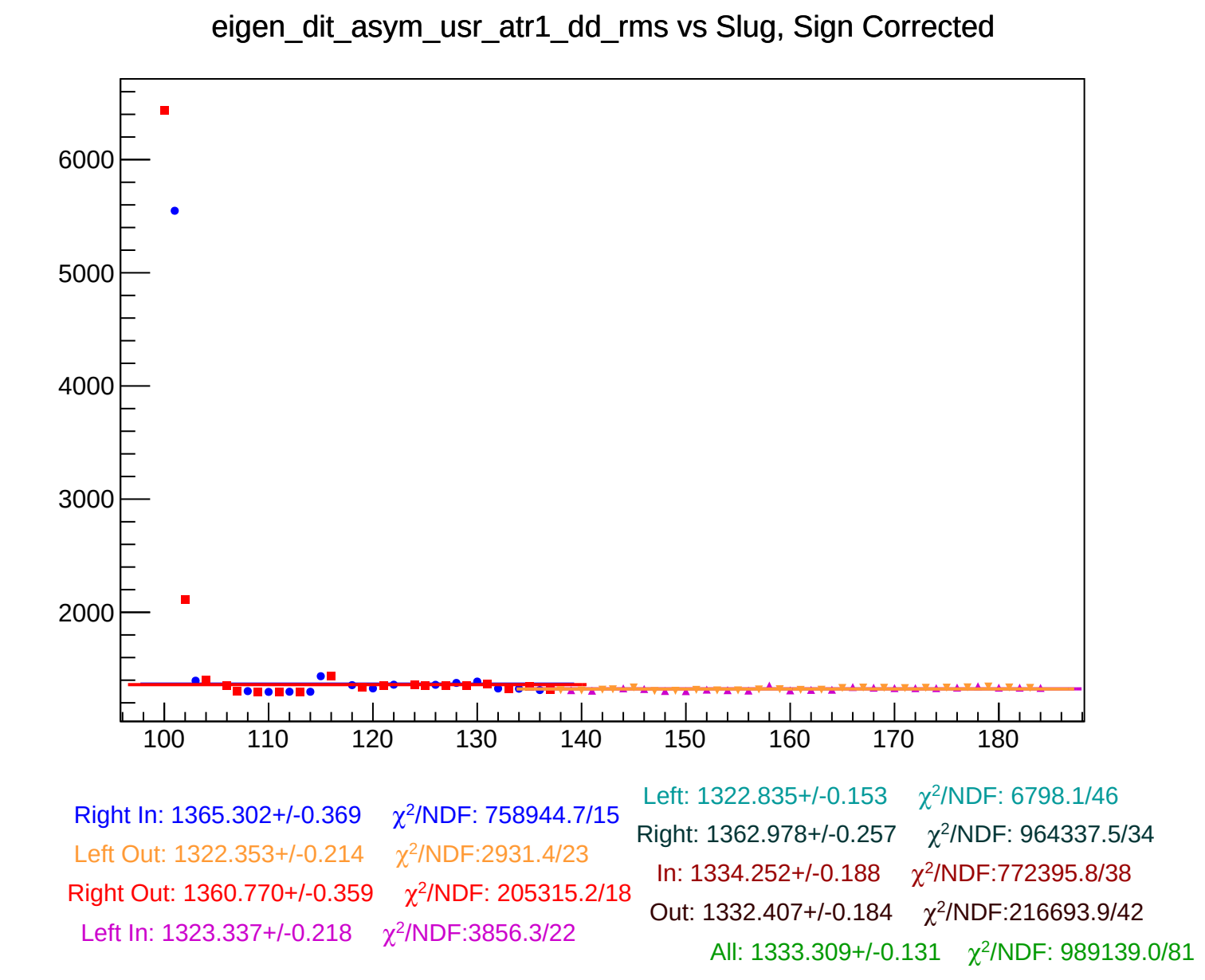
Left: -166.550+/-216.122 χ^2/NDF: 56.1/46

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

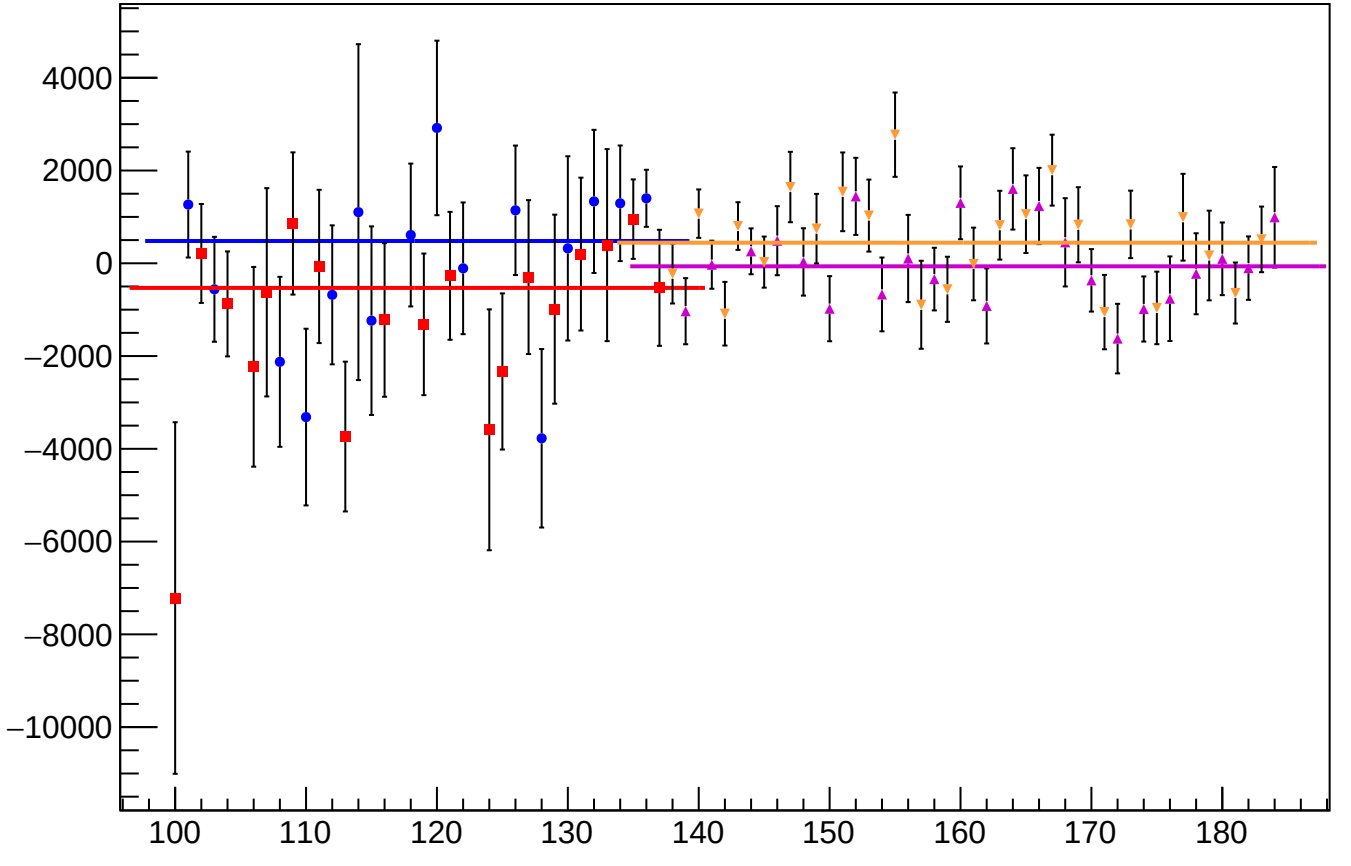
In: 64.244+/-265.784 χ^2/NDF:49.7/38

Out: -262.313+/-259.840 χ^2/NDF:38.0/42

All: -102.726+/-185.801 χ^2/NDF: 88.5/81


eigen_dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 1365.302+/-0.369 χ²/NDF: 758944.7/15
Left Out: 1322.353+/-0.214 χ²/NDF:2931.4/23
Right Out: 1360.770+/-0.359 χ²/NDF: 205315.2/18
Left In: 1323.337+/-0.218 χ²/NDF:3856.3/22
Left: 1322.835+/-0.153 χ²/NDF: 6798.1/46
Right: 1362.978+/-0.257 χ²/NDF: 964337.5/34
In: 1334.252+/-0.188 χ²/NDF:772395.8/38
Out: 1332.407+/-0.184 χ²/NDF:216693.9/42
All: 1333.309+/-0.131 χ²/NDF: 989139.0/81

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 200.519+/-106.618 χ^2/NDF: 72.5/46

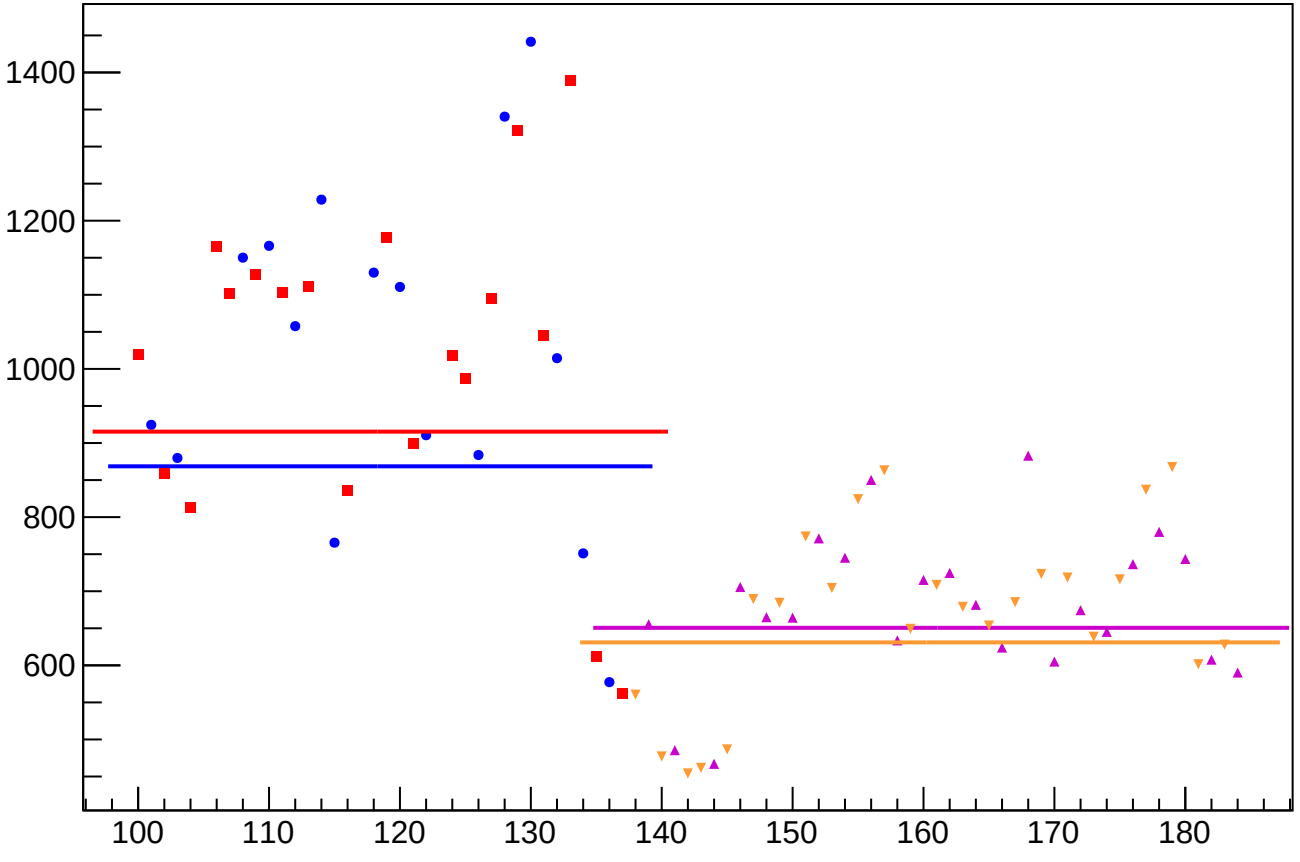
Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 29.334+/-140.202 χ^2/NDF:47.8/38

Out: 294.065+/-135.735 χ^2/NDF:62.1/42

All: 165.984+/-97.520 χ^2/NDF: 111.8/81

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: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.371+/-0.075 χ^2/NDF: 2266793.0/46

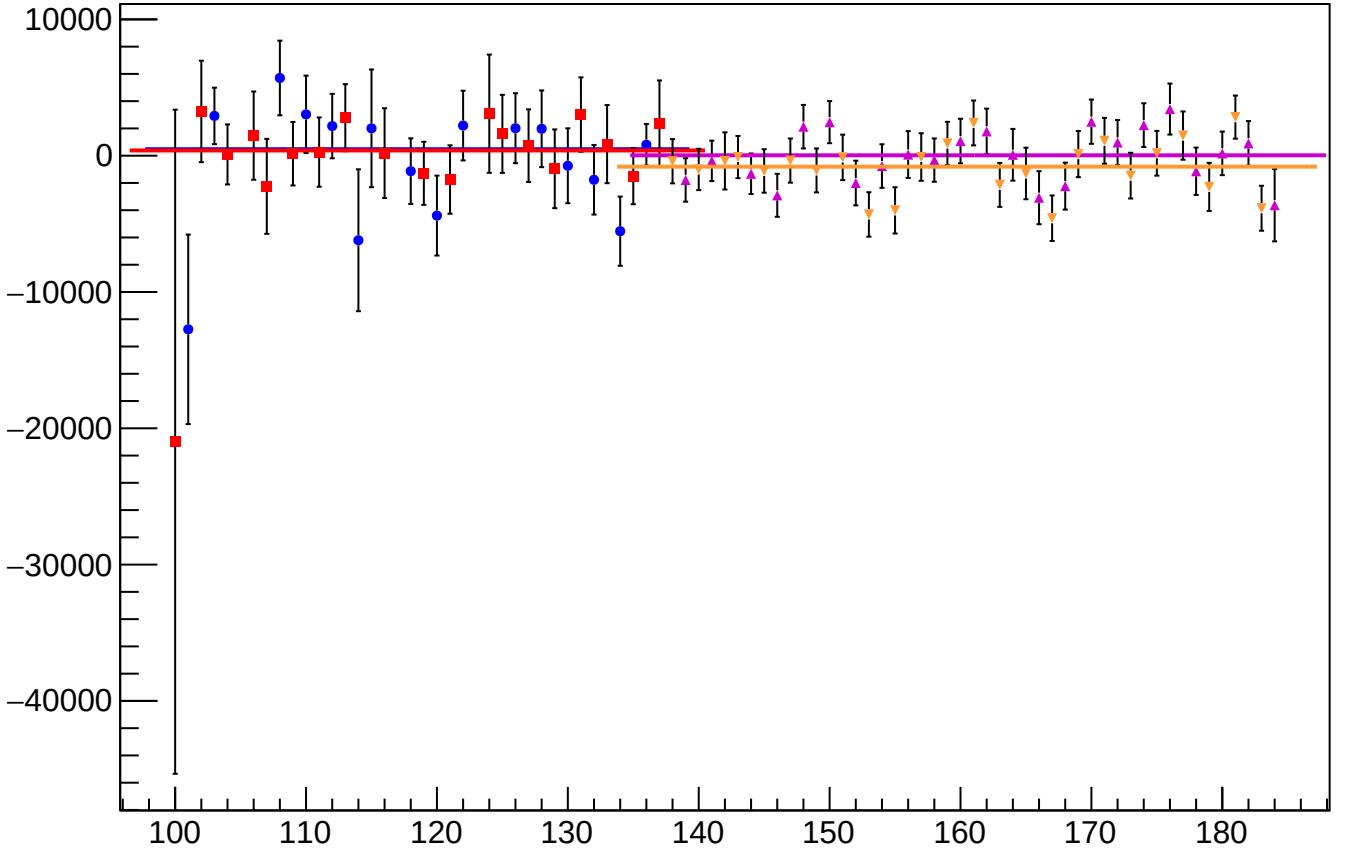
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 688.466+/-0.099 χ^2/NDF:2636616.6/38

Out: 674.713+/-0.096 χ^2/NDF:3329251.7/42

All: 681.367+/-0.069 χ^2/NDF: 5975801.5/81

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: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -398.053+/-242.970 χ^2/NDF: 63.9/46

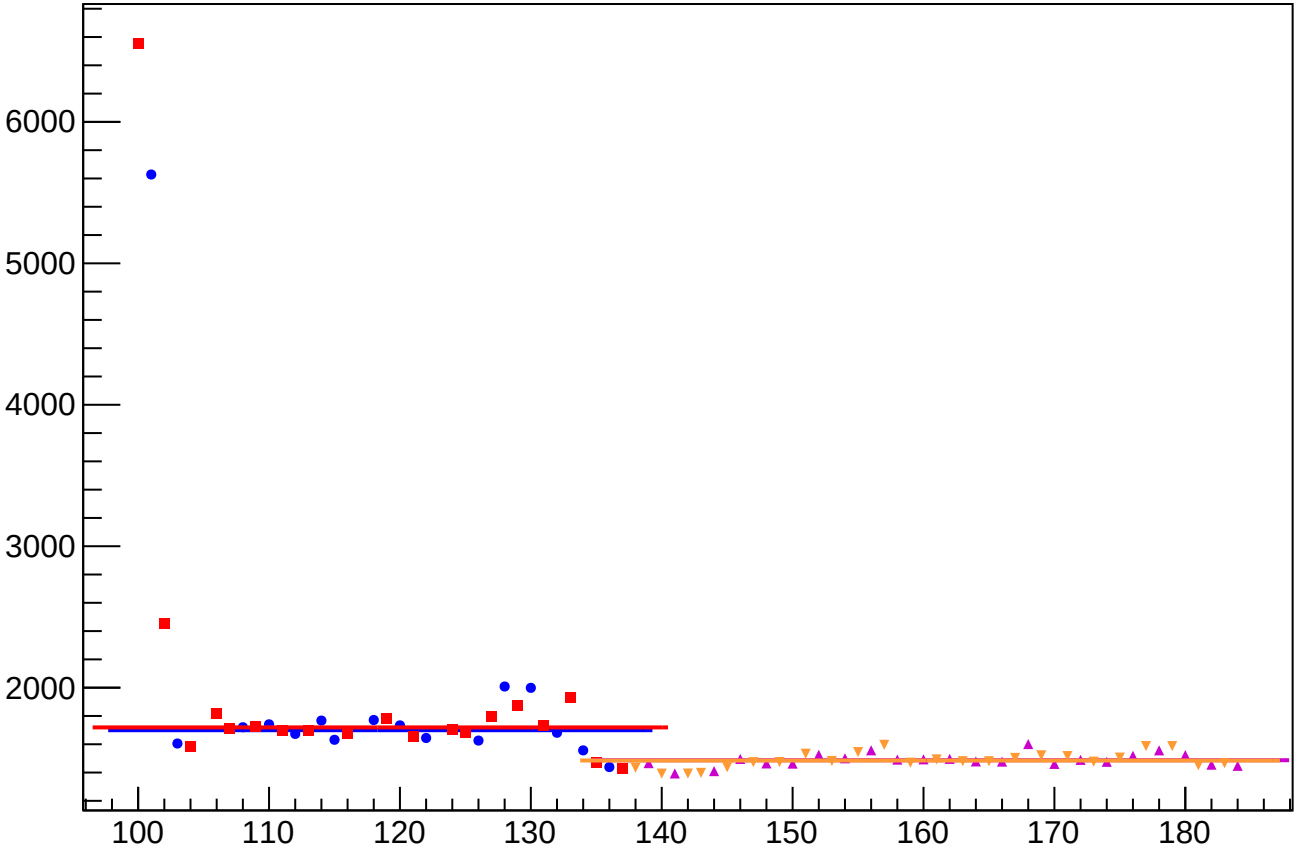
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 126.790+/-306.316 χ^2/NDF:51.0/38

Out: -544.849+/-300.417 χ^2/NDF:42.9/42

All: -215.560+/-214.482 χ^2/NDF: 96.4/81

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: 1487.112+/-0.246 χ^2/NDF:34817.2/22

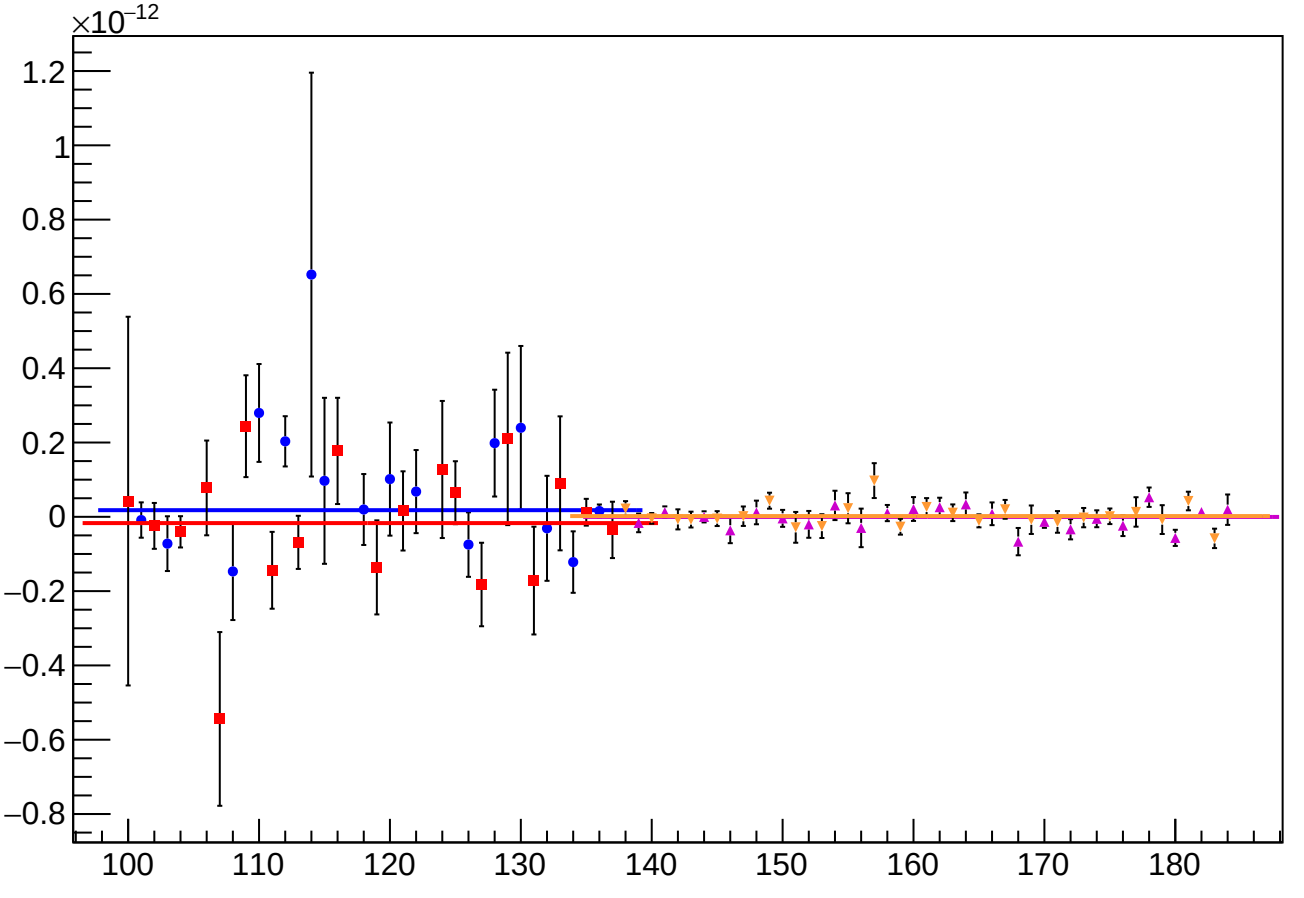
Left: 1486.164+/-0.172 χ^2/NDF: 85642.1/46

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1534.352+/-0.217 χ^2/NDF:963034.7/38

Out: 1536.461+/-0.212 χ^2/NDF:491800.6/42

All: 1535.427+/-0.152 χ^2/NDF: 1454883.6/81



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:24.9/22

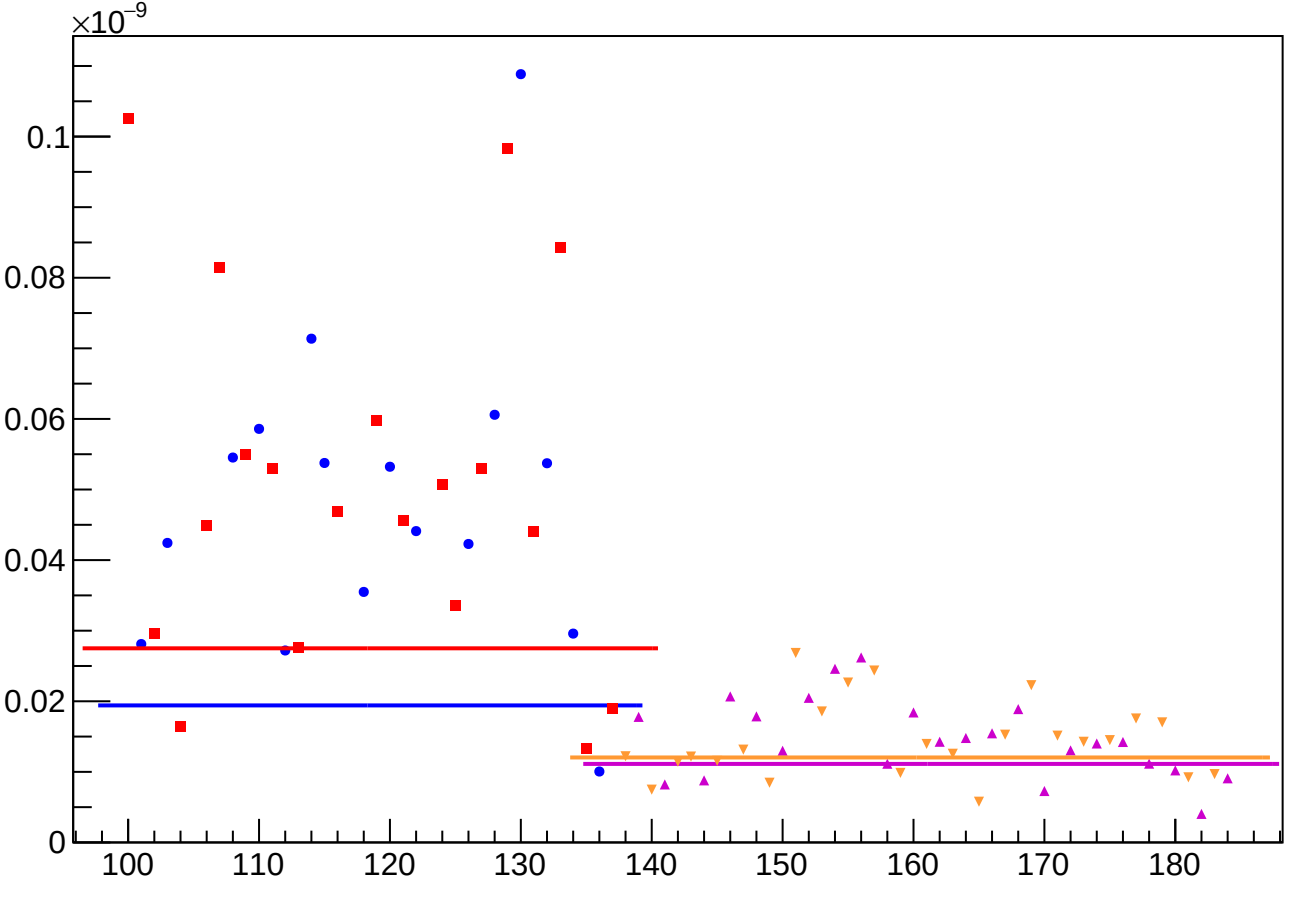
Left: 0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:49.9/38

Out: 0.000+/-0.000 χ^2/NDF:45.7/42

All: 0.000+/-0.000 χ^2/NDF: 95.6/81



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:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3763649.3/46

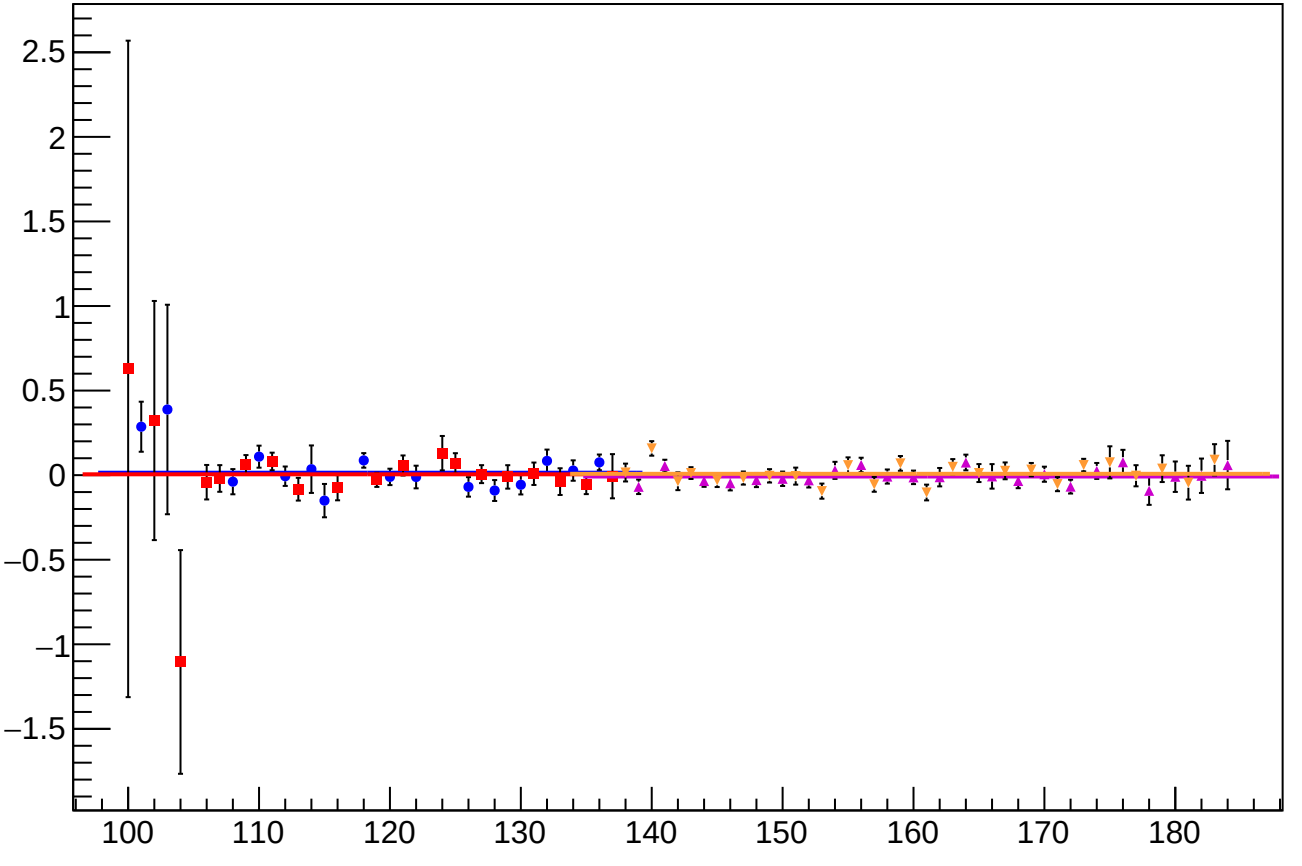
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:5081276.4/38

Out: 0.000+/-0.000 χ^2/NDF:4396032.0/42

All: 0.000+/-0.000 χ^2/NDF: 9526908.9/81

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:18.9/22

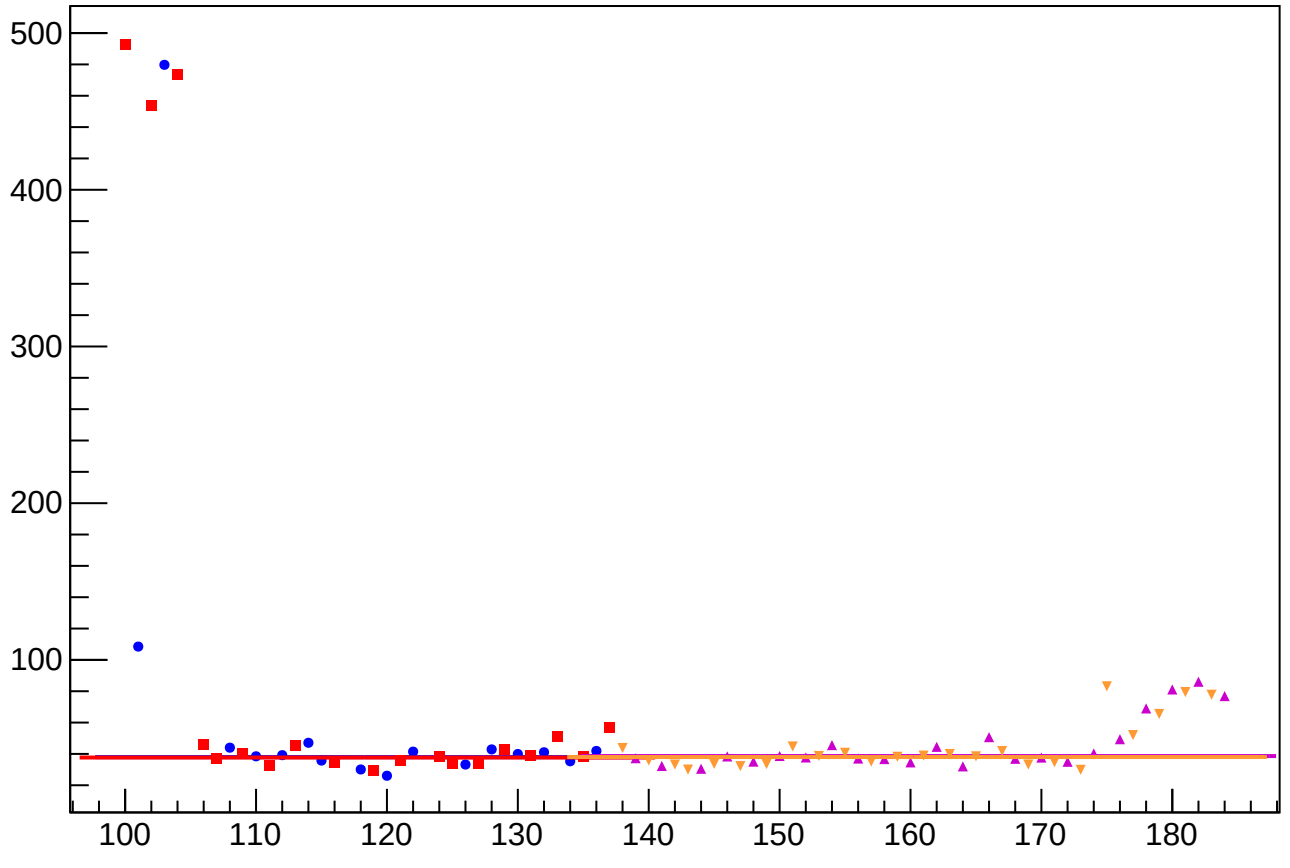
Left: 0.000+/-0.007 χ^2/NDF: 57.9/46

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.3/38

Out: 0.007+/-0.008 χ^2/NDF:52.6/42

All: 0.003+/-0.006 χ^2/NDF: 95.5/81



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: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.310+/-0.005 χ^2/NDF: 3692405.3/46

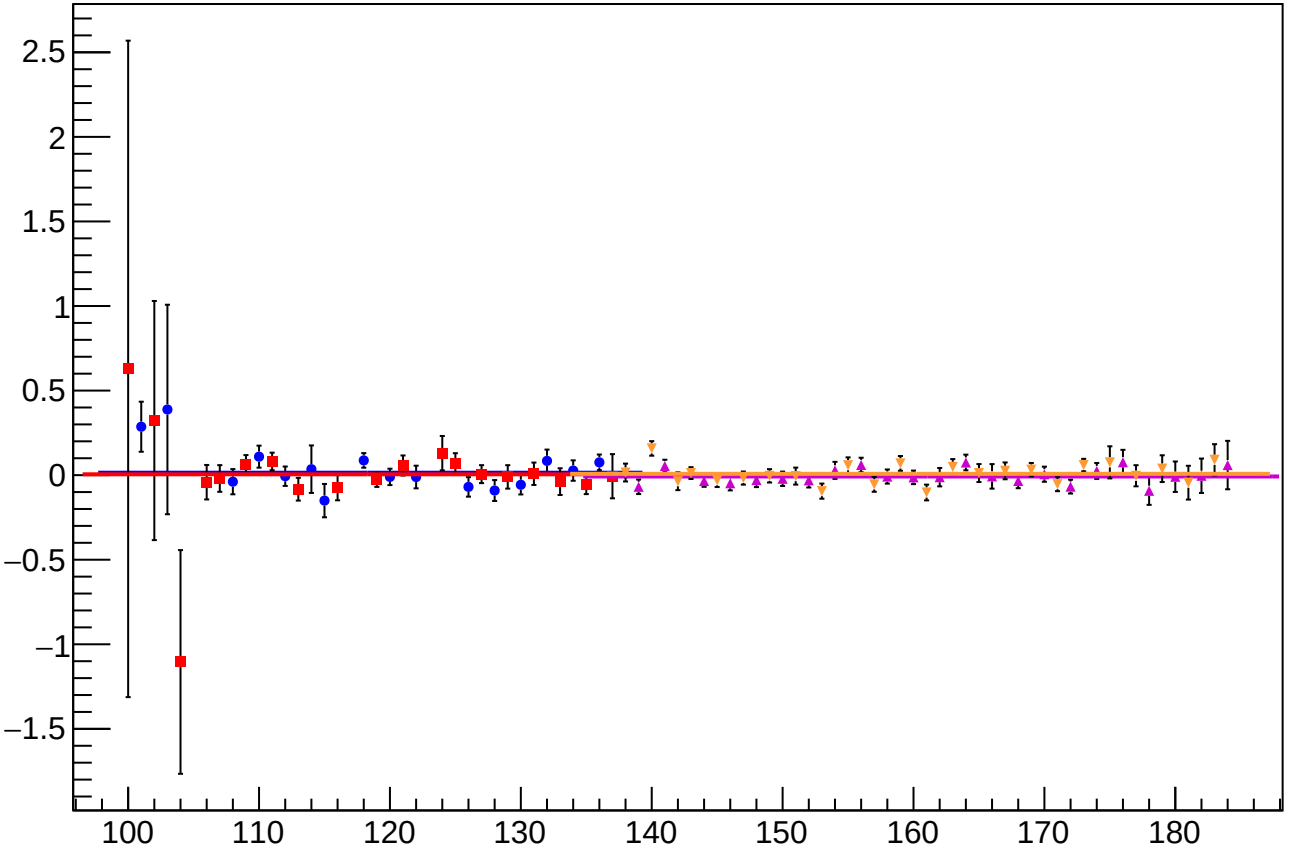
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 38.438+/-0.006 χ^2/NDF:3470019.8/38

Out: 37.925+/-0.006 χ^2/NDF:3906129.3/42

All: 38.177+/-0.004 χ^2/NDF: 7379927.6/81

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:18.9/22

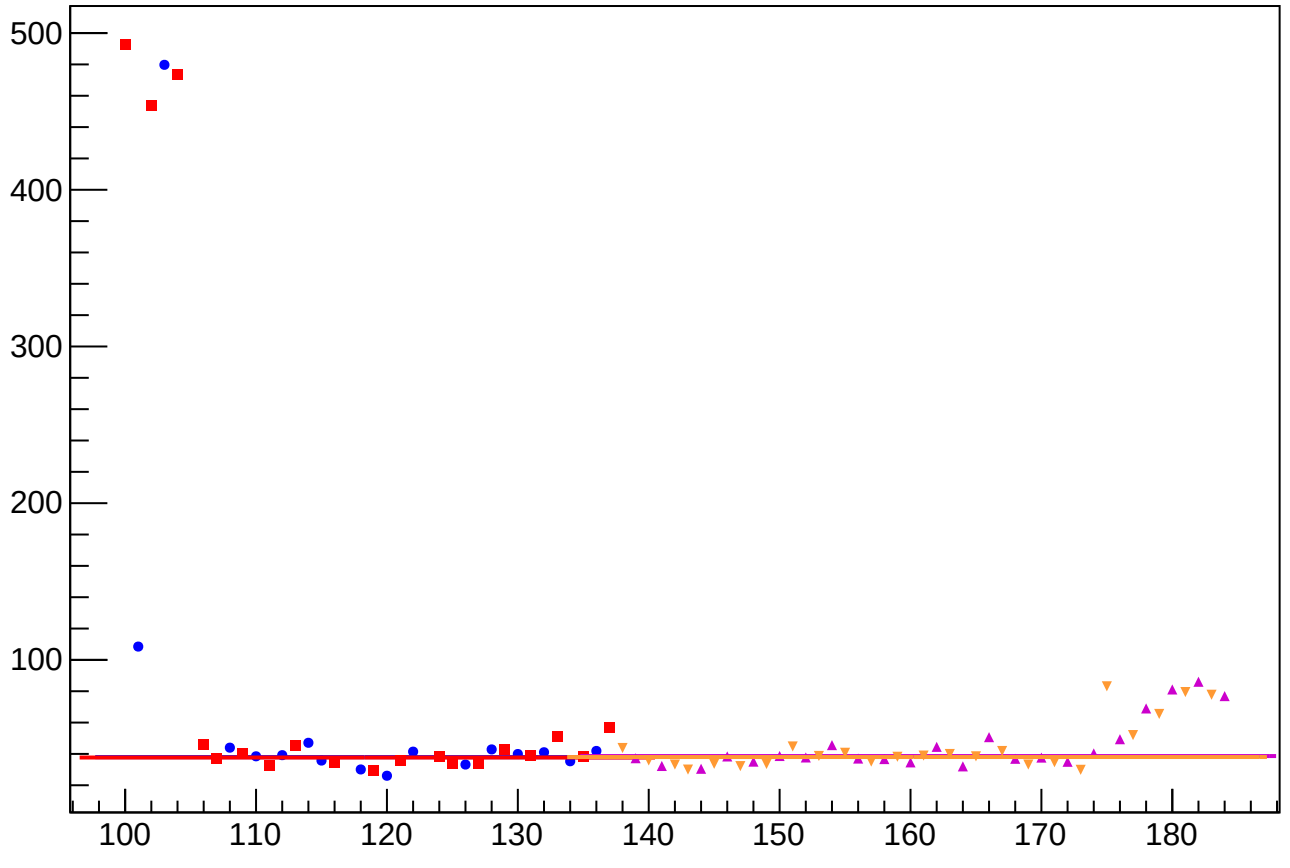
Left: 0.000+/-0.007 χ^2/NDF: 57.9/46

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.3/38

Out: 0.007+/-0.008 χ^2/NDF:52.6/42

All: 0.003+/-0.006 χ^2/NDF: 95.5/81



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: 38.630+/-0.007 χ^2/NDF:1727664.7/22

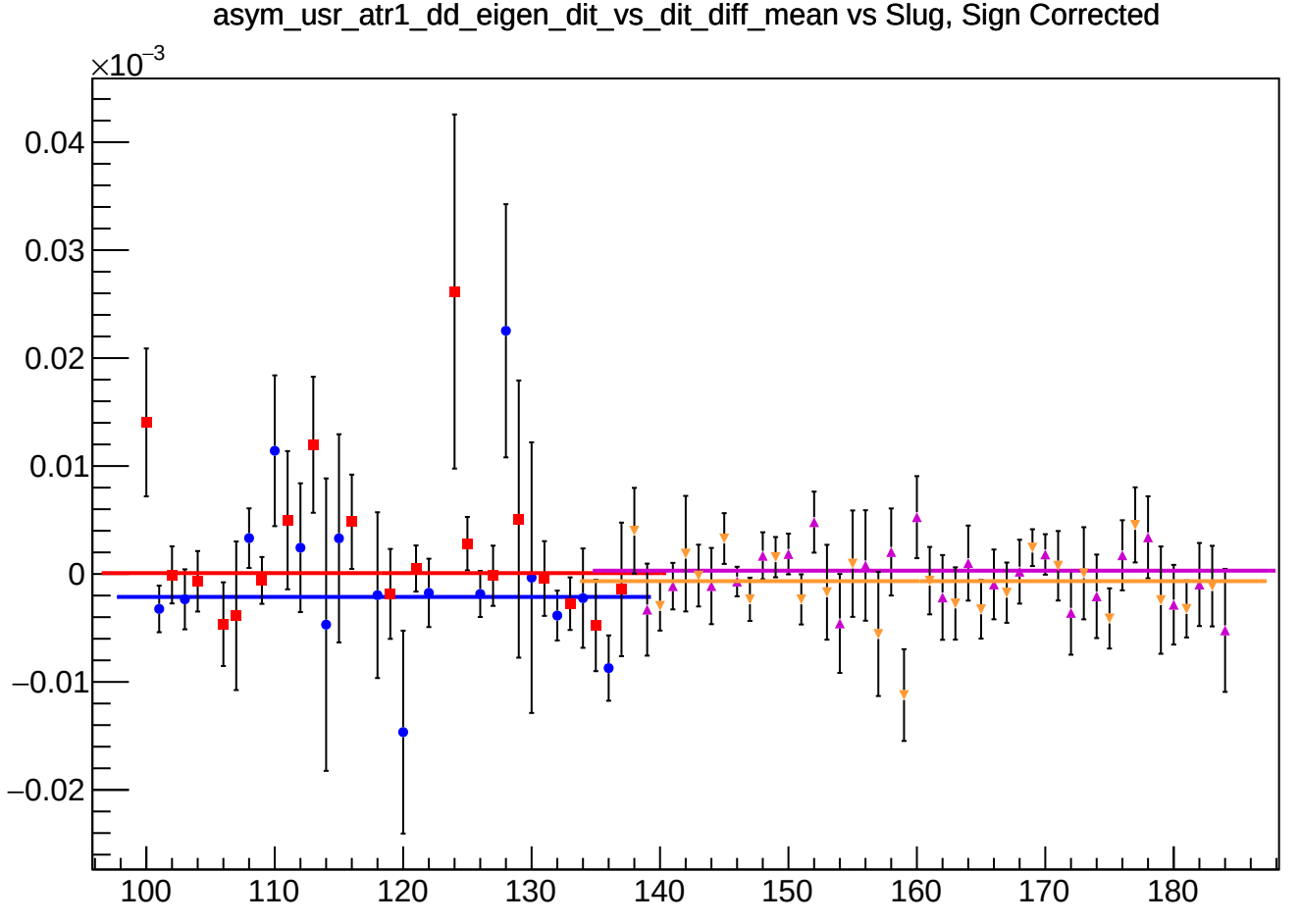
Left: 38.310+/-0.005 χ^2/NDF: 3692405.3/46

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 38.438+/-0.006 χ^2/NDF:3470019.8/38

Out: 37.925+/-0.006 χ^2/NDF:3906129.3/42

All: 38.177+/-0.004 χ^2/NDF: 7379927.6/81



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:13.8/22

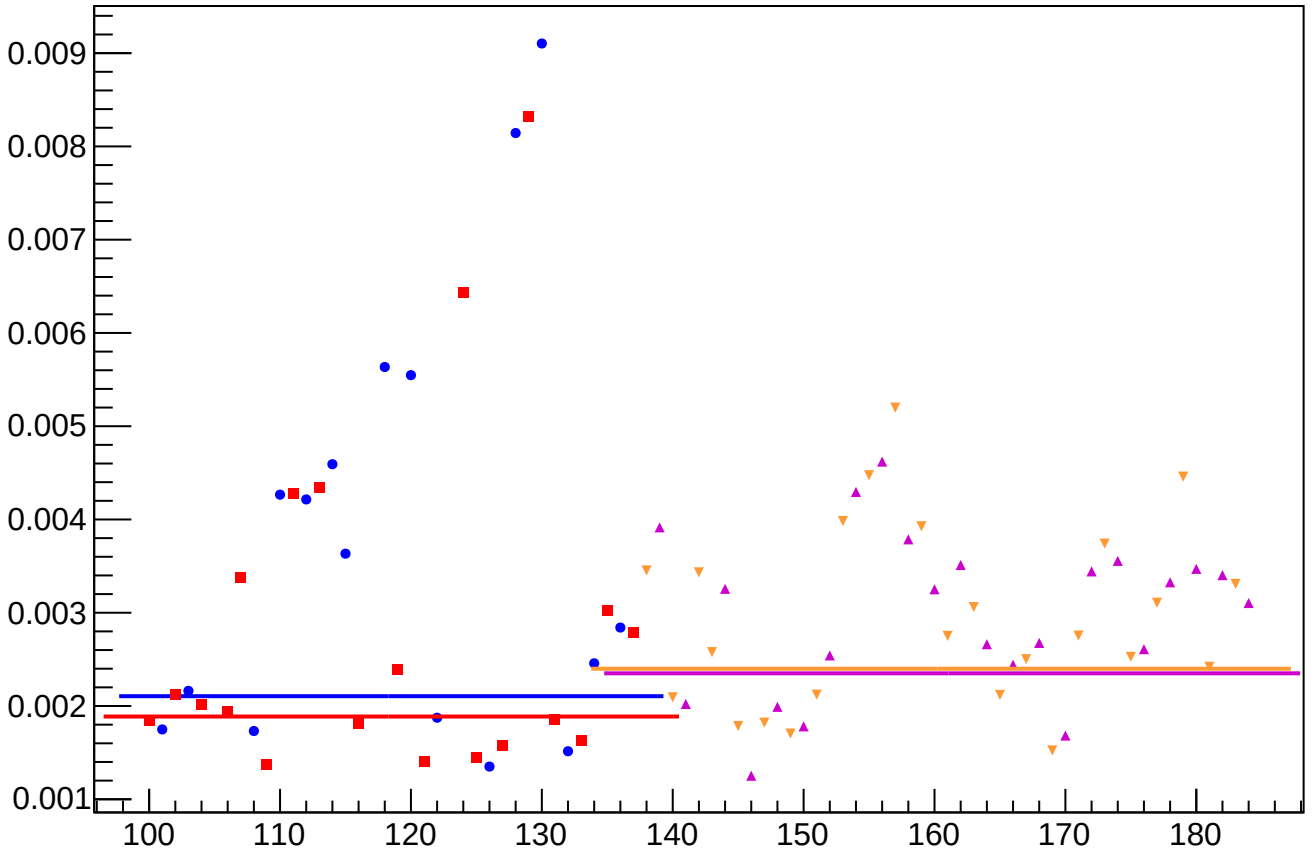
Left: -0.000+/-0.000 χ^2/NDF: 40.2/46

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

In: -0.000+/-0.000 χ^2/NDF:39.3/38

Out: -0.000+/-0.000 χ^2/NDF:44.0/42

All: -0.000+/-0.000 χ^2/NDF: 83.3/81



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:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8086736.3/46

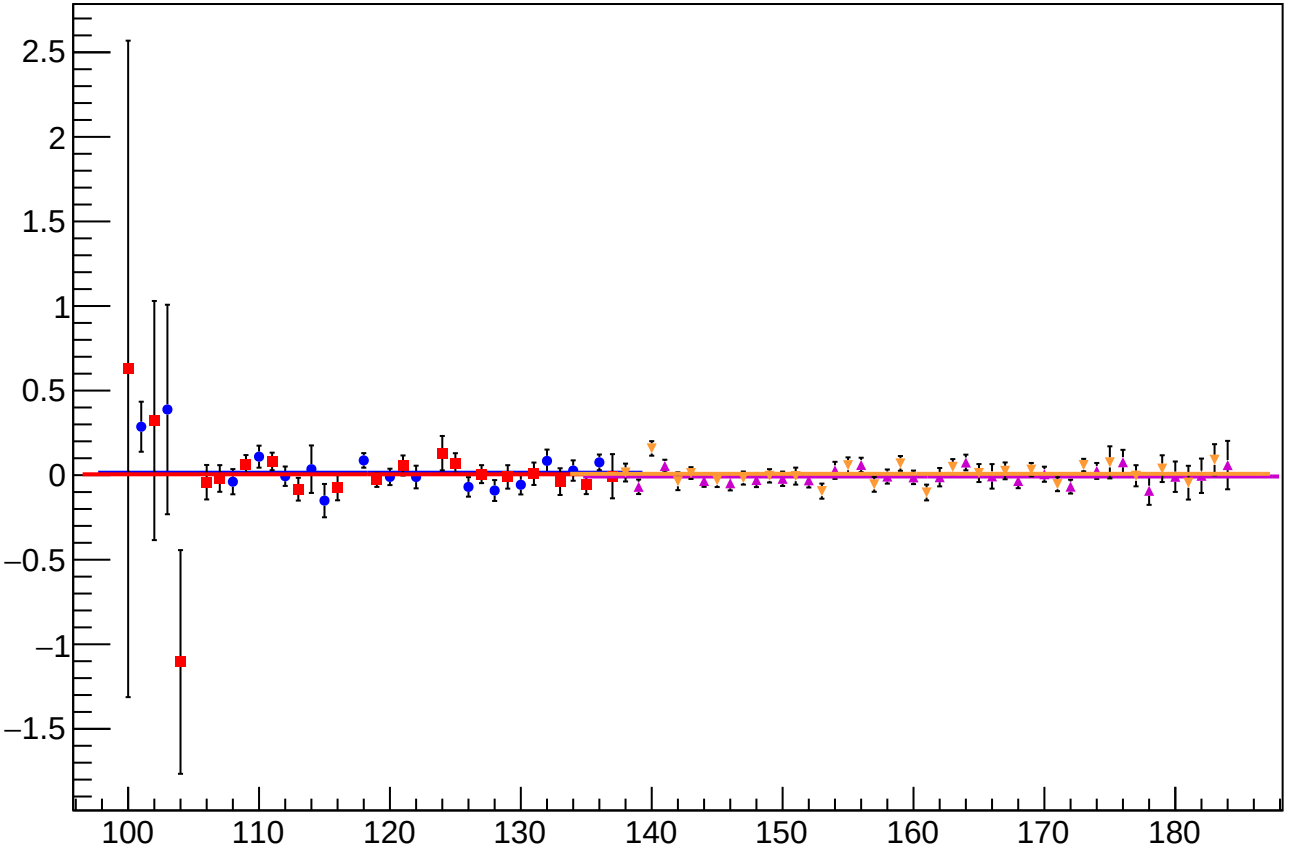
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:7559705.7/38

Out: 0.002+/-0.000 χ^2/NDF:6077440.3/42

All: 0.002+/-0.000 χ^2/NDF: 13651593.7/81

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:18.9/22

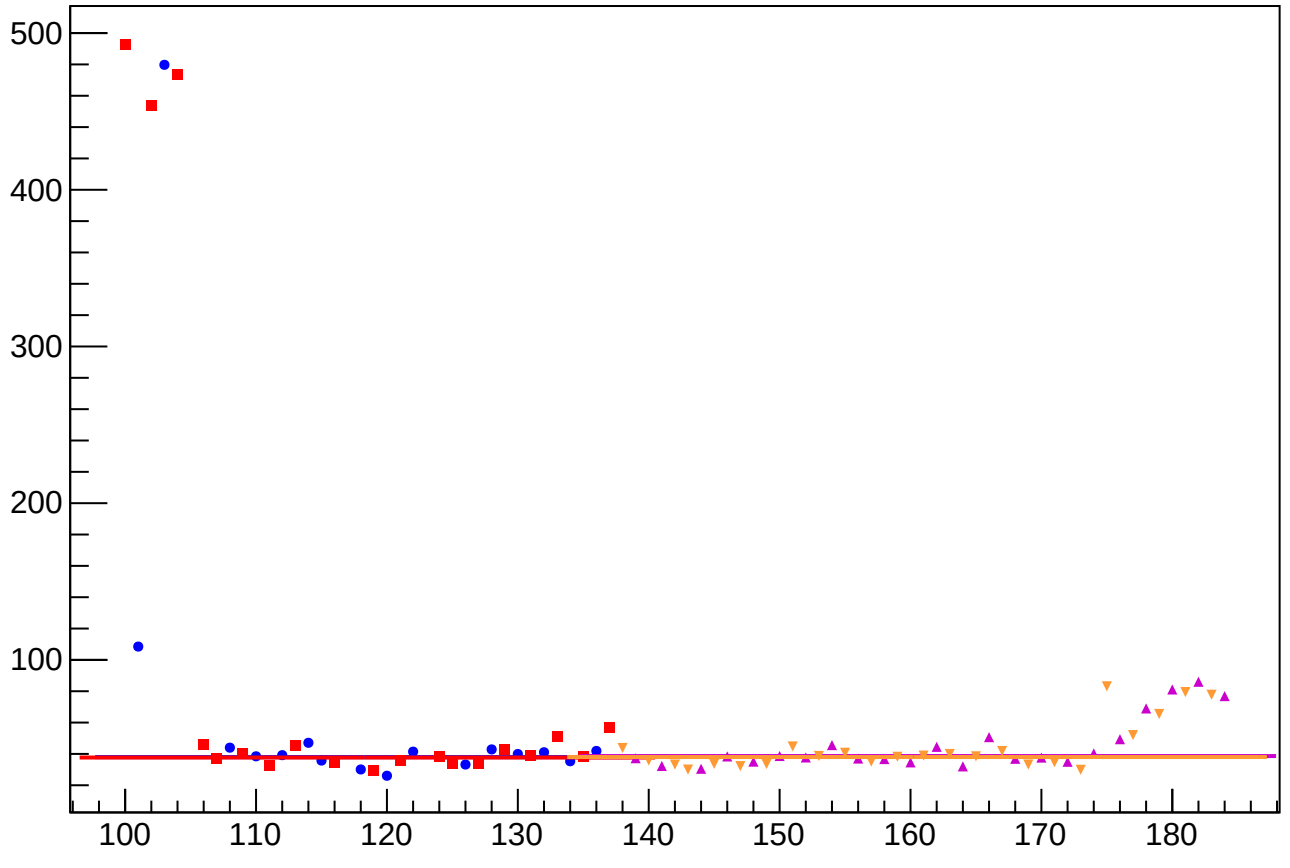
Left: 0.000+/-0.007 χ^2/NDF: 57.9/46

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.3/38

Out: 0.007+/-0.008 χ^2/NDF:52.6/42

All: 0.003+/-0.006 χ^2/NDF: 95.5/81



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: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.309+/-0.005 χ^2/NDF: 3692438.5/46

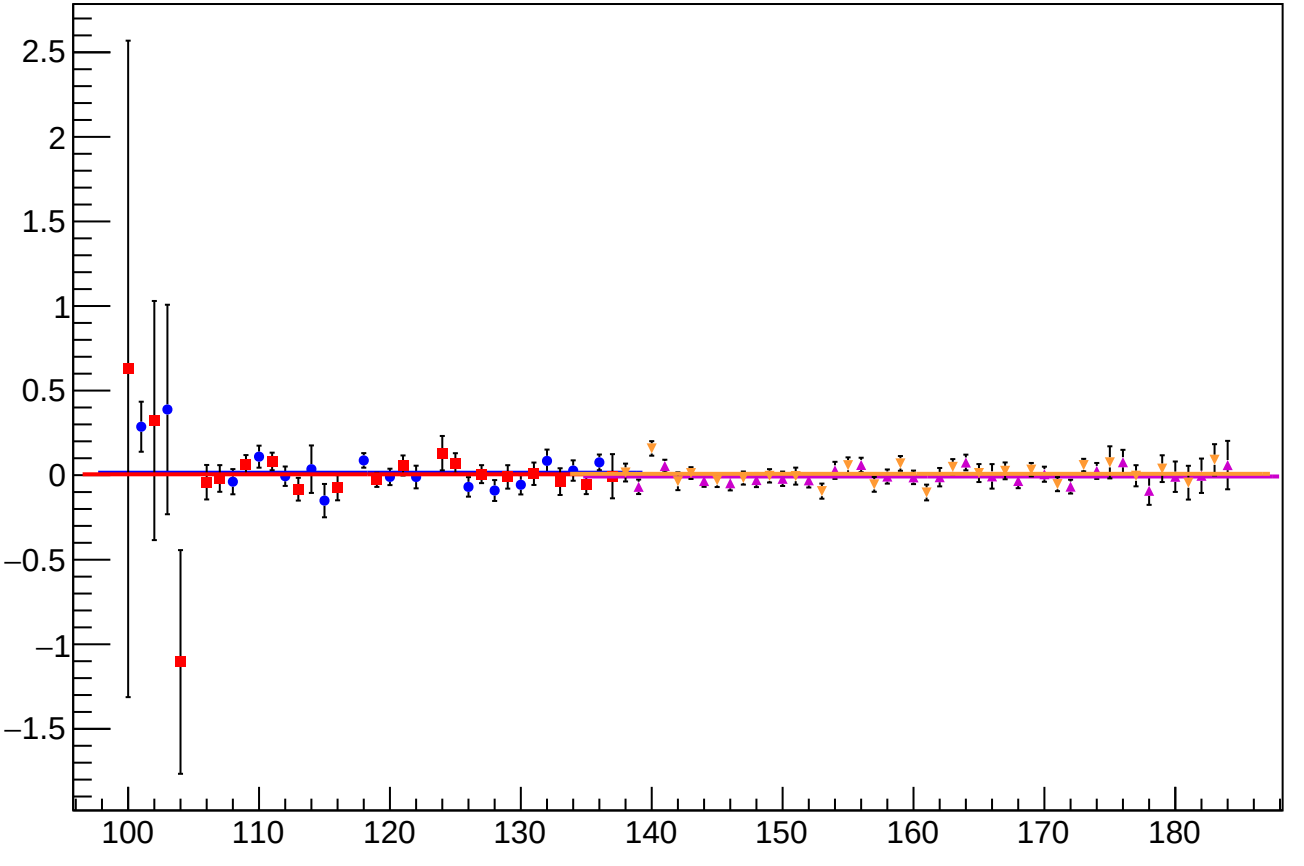
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 38.437+/-0.006 χ^2/NDF:3470067.5/38

Out: 37.925+/-0.006 χ^2/NDF:3906212.1/42

All: 38.176+/-0.004 χ^2/NDF: 7380058.7/81

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:18.9/22

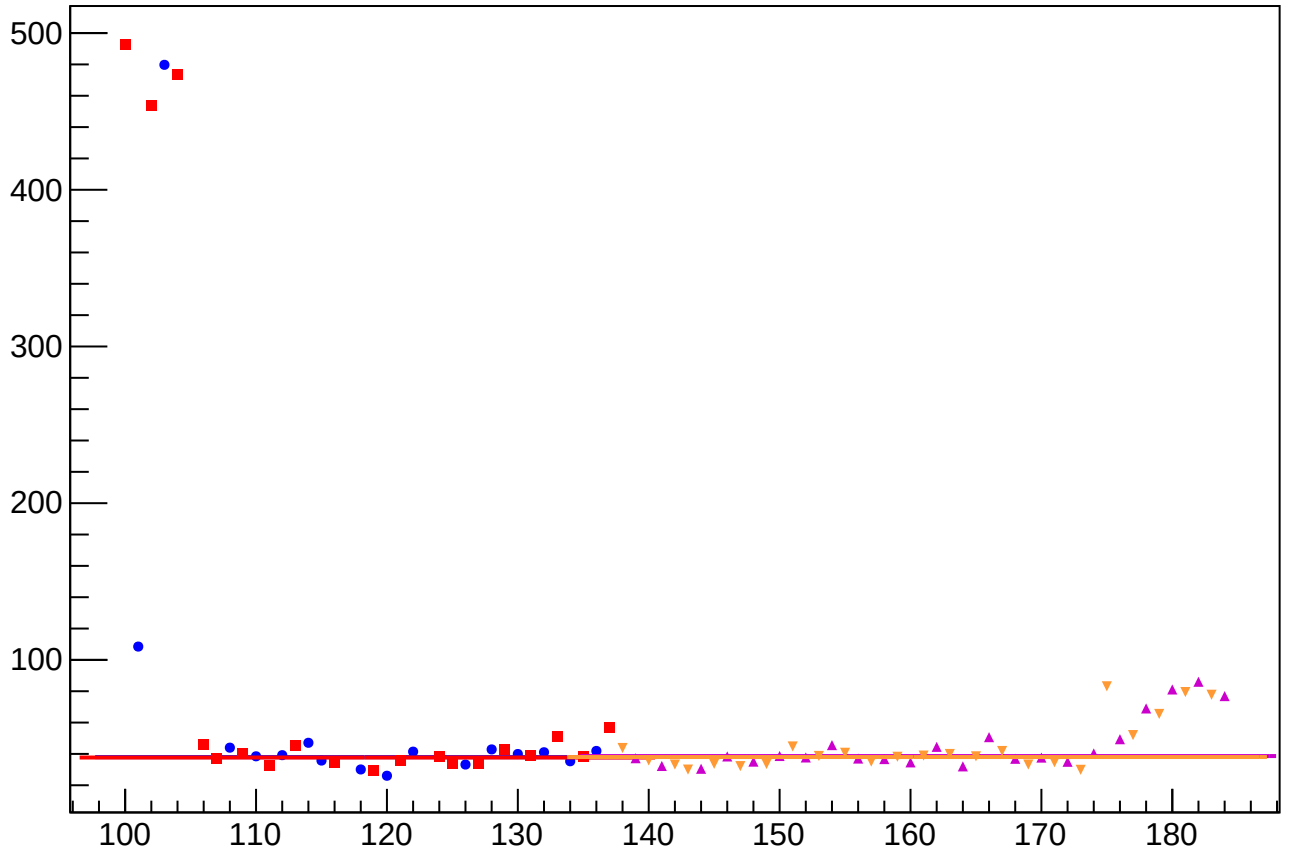
Left: 0.000+/-0.007 χ^2/NDF: 57.9/46

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.3/38

Out: 0.007+/-0.008 χ^2/NDF:52.6/42

All: 0.003+/-0.006 χ^2/NDF: 95.5/81



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: 38.630+/-0.007 χ^2/NDF:1727699.0/22

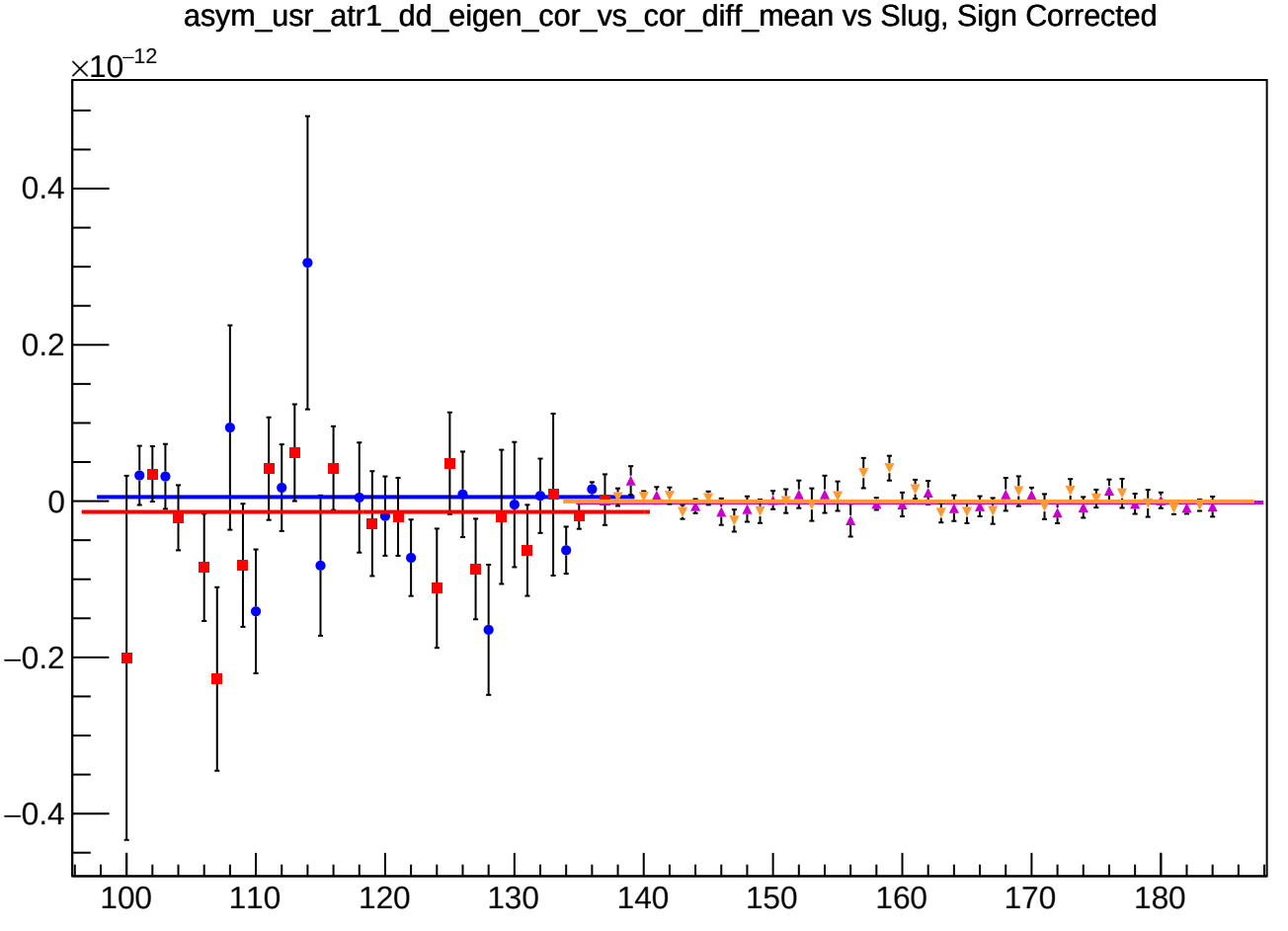
Left: 38.309+/-0.005 χ^2/NDF: 3692438.5/46

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 38.437+/-0.006 χ^2/NDF:3470067.5/38

Out: 37.925+/-0.006 χ^2/NDF:3906212.1/42

All: 38.176+/-0.004 χ^2/NDF: 7380058.7/81



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:11.6/22

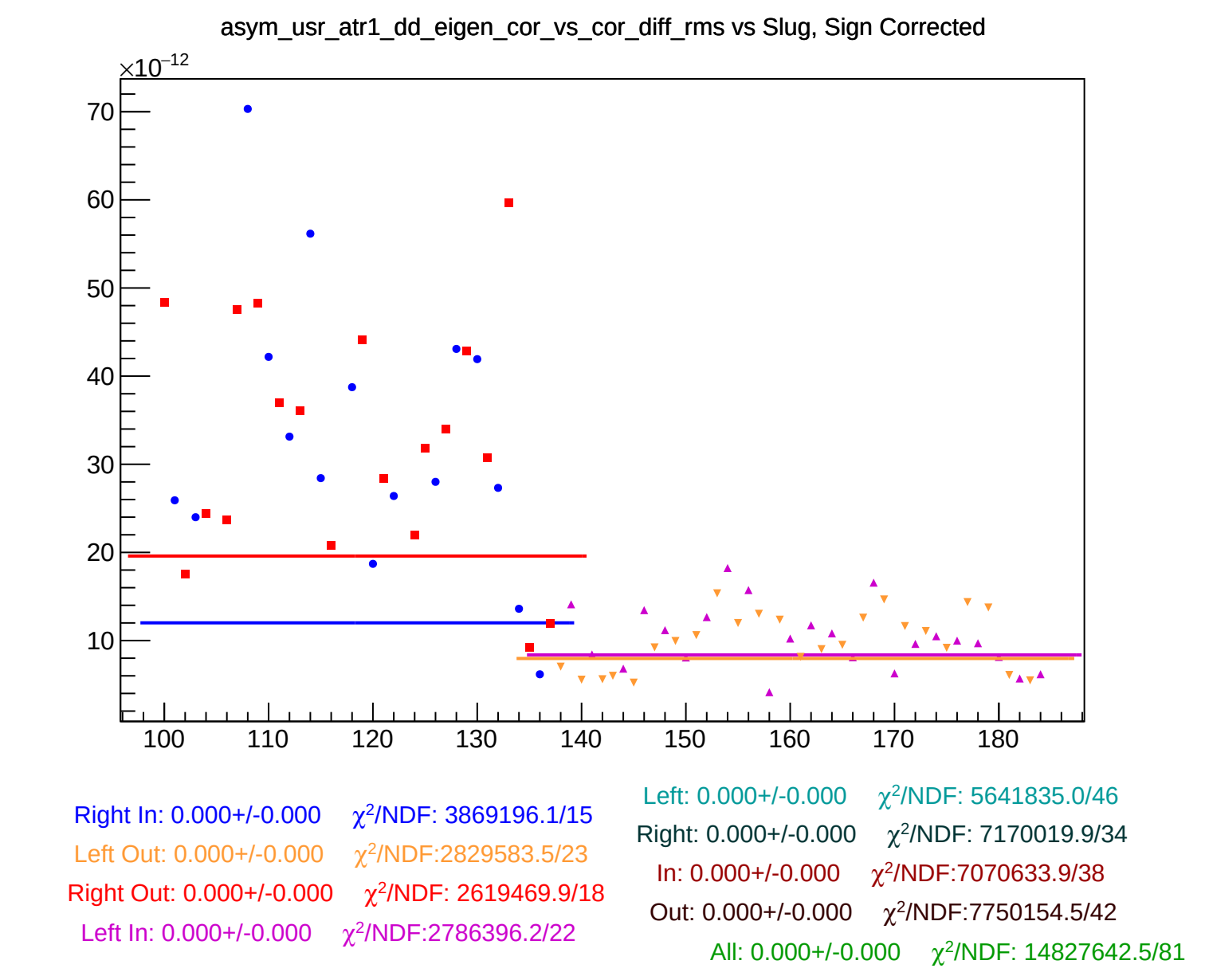
Left: -0.000+/-0.000 χ^2/NDF: 38.3/46

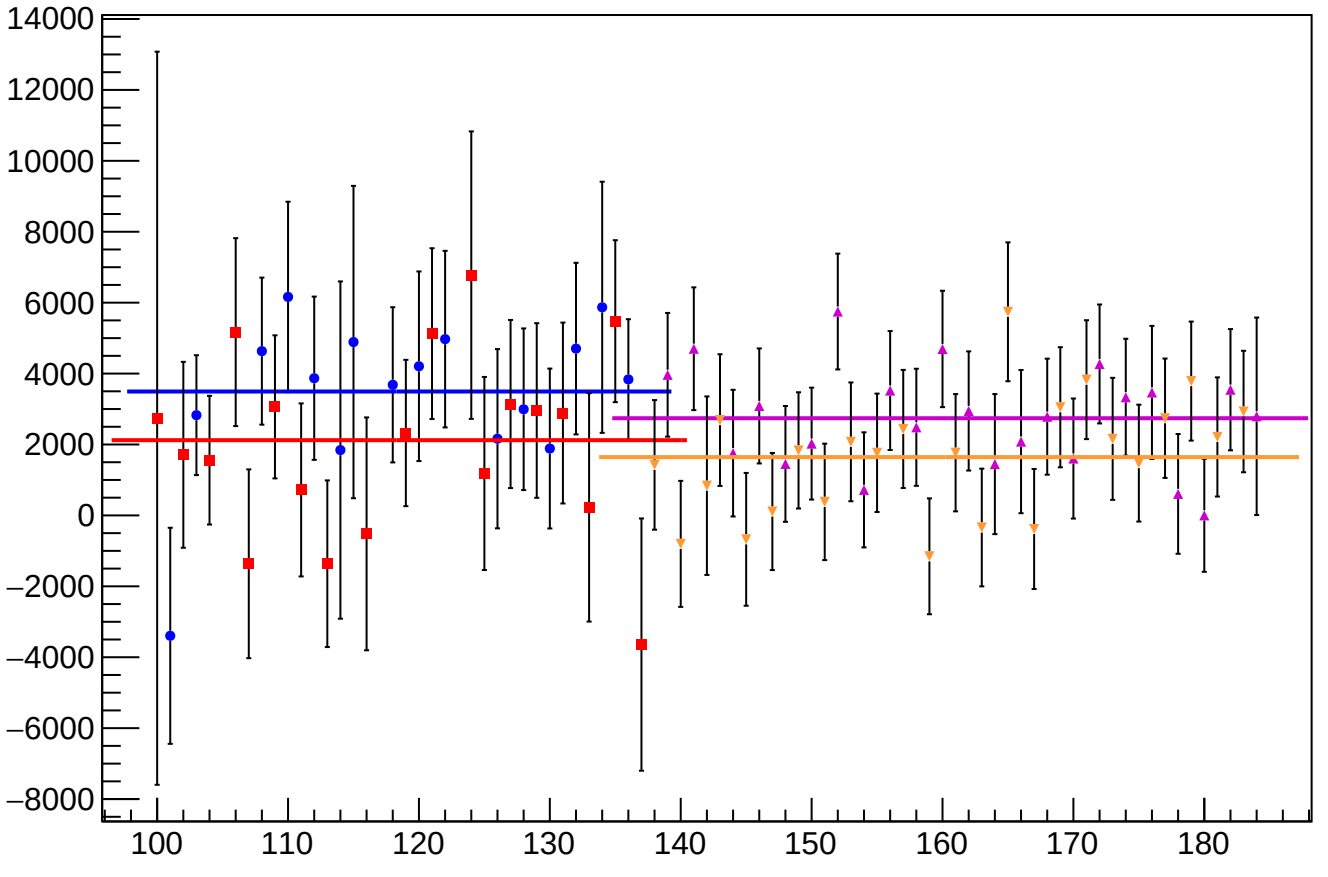
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:34.0/38

Out: -0.000+/-0.000 χ^2/NDF:44.0/42

All: -0.000+/-0.000 χ^2/NDF: 78.1/81


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2829583.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:2786396.2/22
Left: 0.000+/-0.000 χ²/NDF: 5641835.0/46
Right: 0.000+/-0.000 χ²/NDF: 7170019.9/34
In: 0.000+/-0.000 χ²/NDF:7070633.9/38
Out: 0.000+/-0.000 χ²/NDF:7750154.5/42
All: 0.000+/-0.000 χ²/NDF: 14827642.5/81



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: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2183.077+/-251.242 χ^2/NDF: 42.2/46

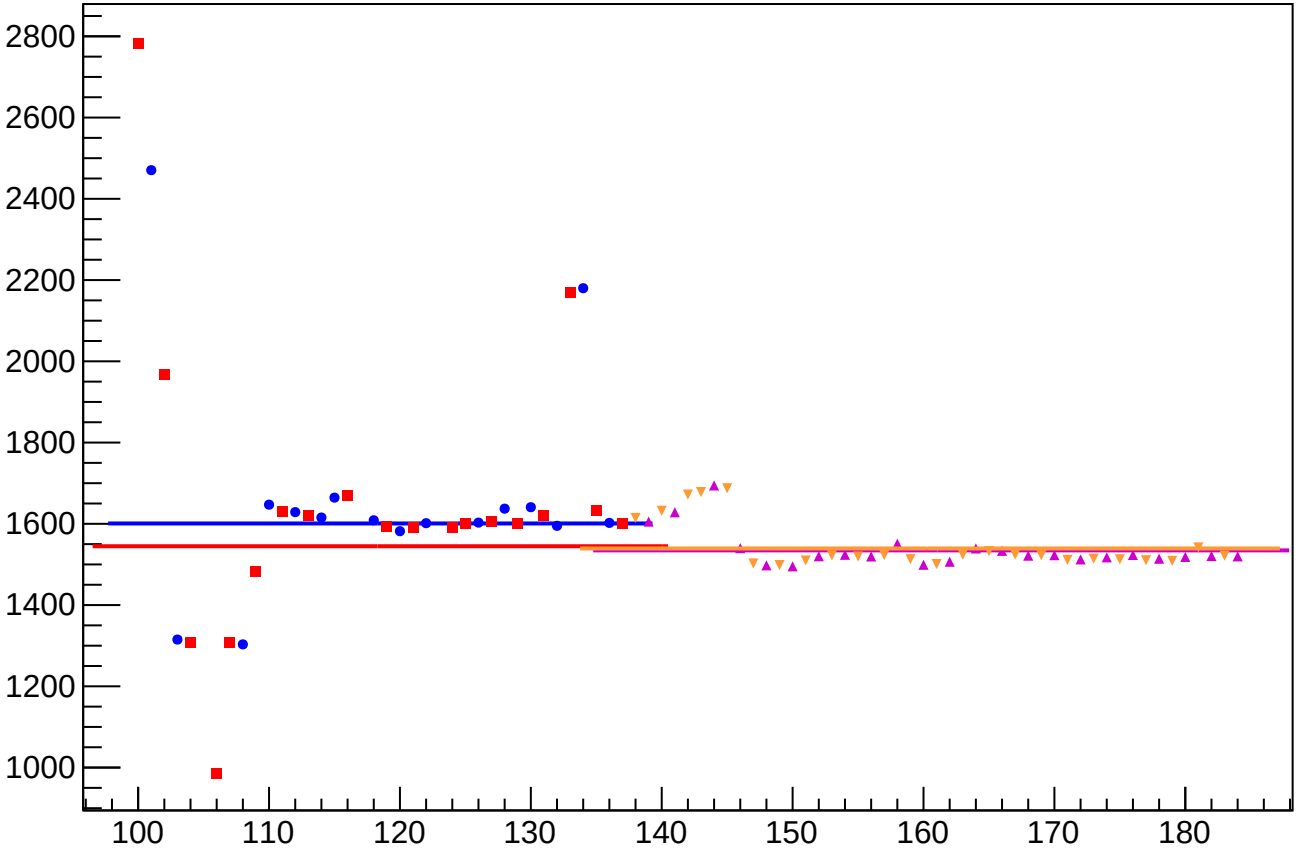
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 2938.537+/-307.883 χ^2/NDF:26.4/38

Out: 1770.581+/-302.120 χ^2/NDF:36.6/42

All: 2343.526+/-215.640 χ^2/NDF: 70.3/81

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: 1534.615+/-0.253 χ^2/NDF:31120.6/22

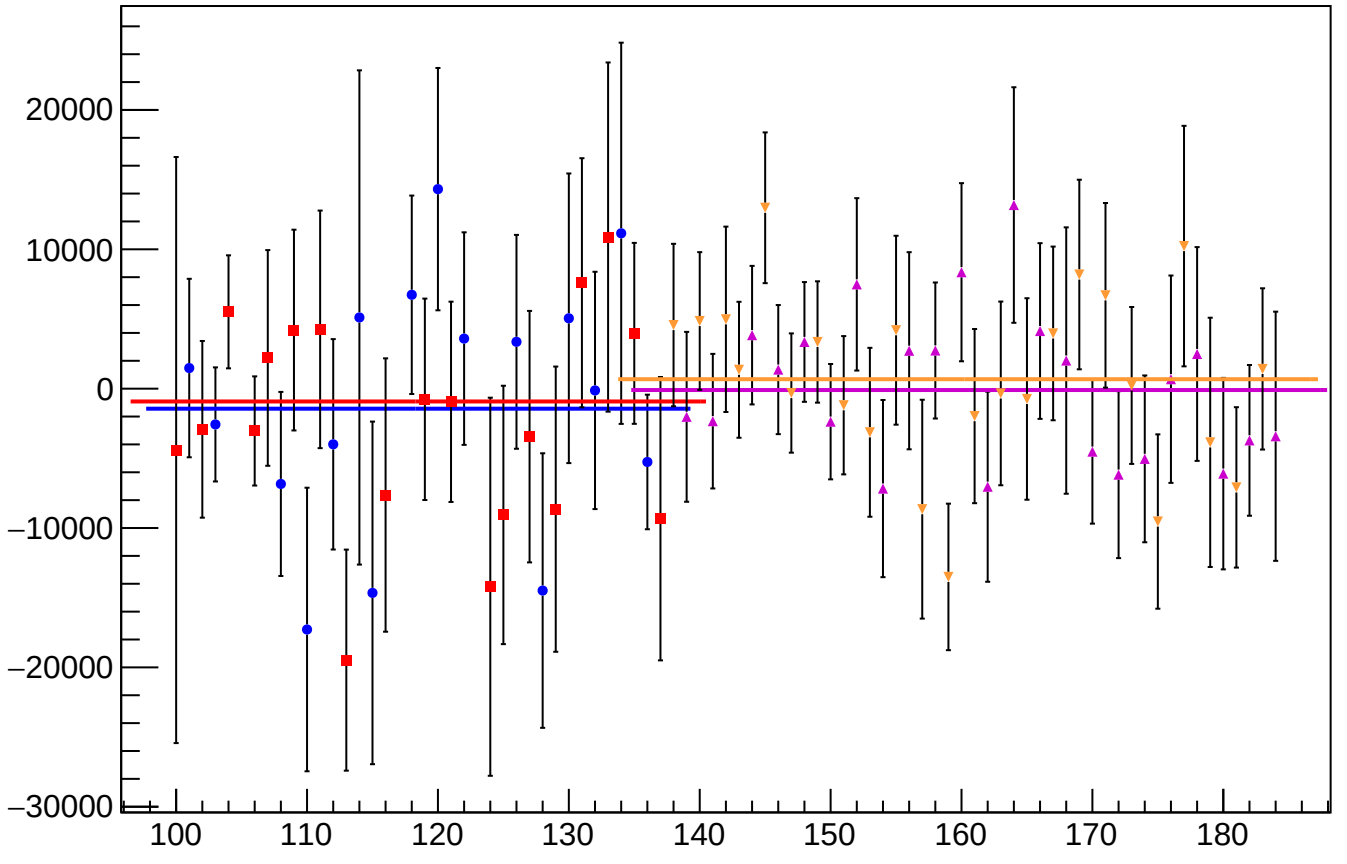
Left: 1537.012+/-0.178 χ^2/NDF: 78045.1/46

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1551.994+/-0.218 χ^2/NDF:366460.4/38

Out: 1540.813+/-0.213 χ^2/NDF:423007.2/42

All: 1546.273+/-0.152 χ^2/NDF: 790817.4/81



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 679.054+/-1195.610 χ^2/NDF:25.3/23

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

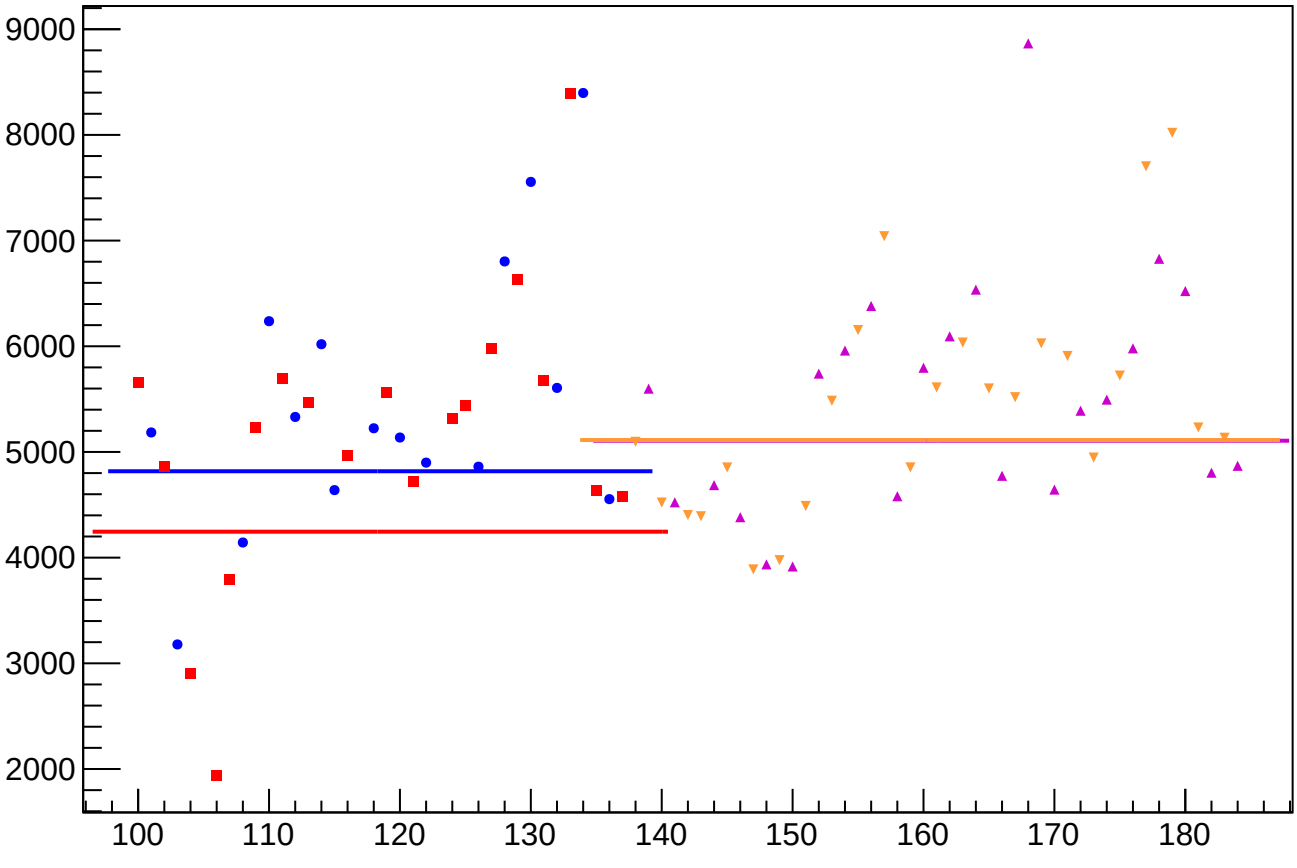
Left: 297.647+/-853.087 χ^2/NDF: 40.3/46

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -503.202+/-1016.785 χ^2/NDF:29.1/38

Out: 137.386+/-972.007 χ^2/NDF:41.2/42

All: -168.492+/-702.610 χ^2/NDF: 70.5/81



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: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

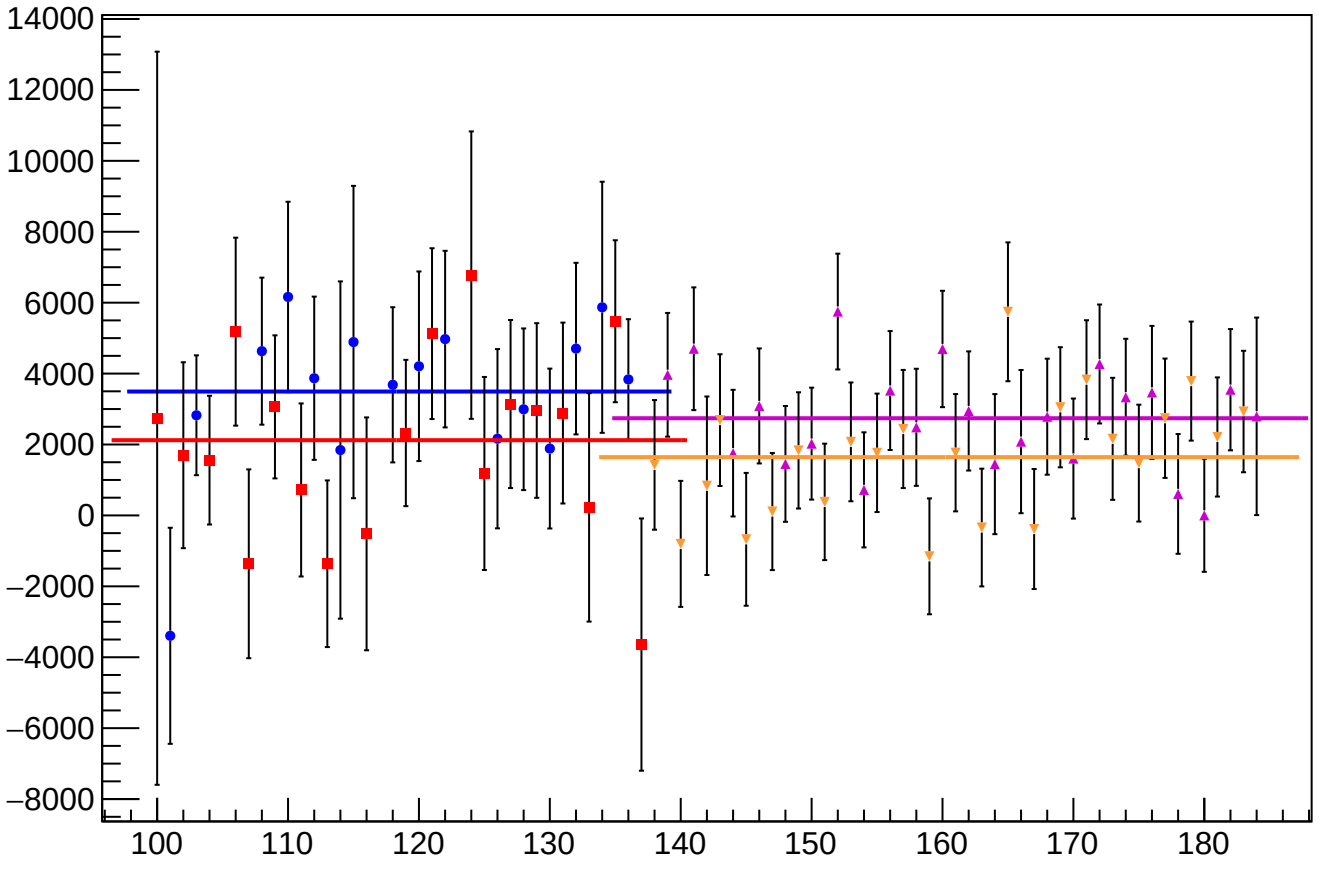
Left: 5109.598+/-0.603 χ^2/NDF: 2410653.2/46

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 5018.911+/-0.719 χ^2/NDF:2081162.7/38

Out: 4818.671+/-0.687 χ^2/NDF:3198886.5/42

All: 4914.285+/-0.497 χ^2/NDF: 5320577.9/81



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: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2182.978+/-251.242 χ^2/NDF: 42.2/46

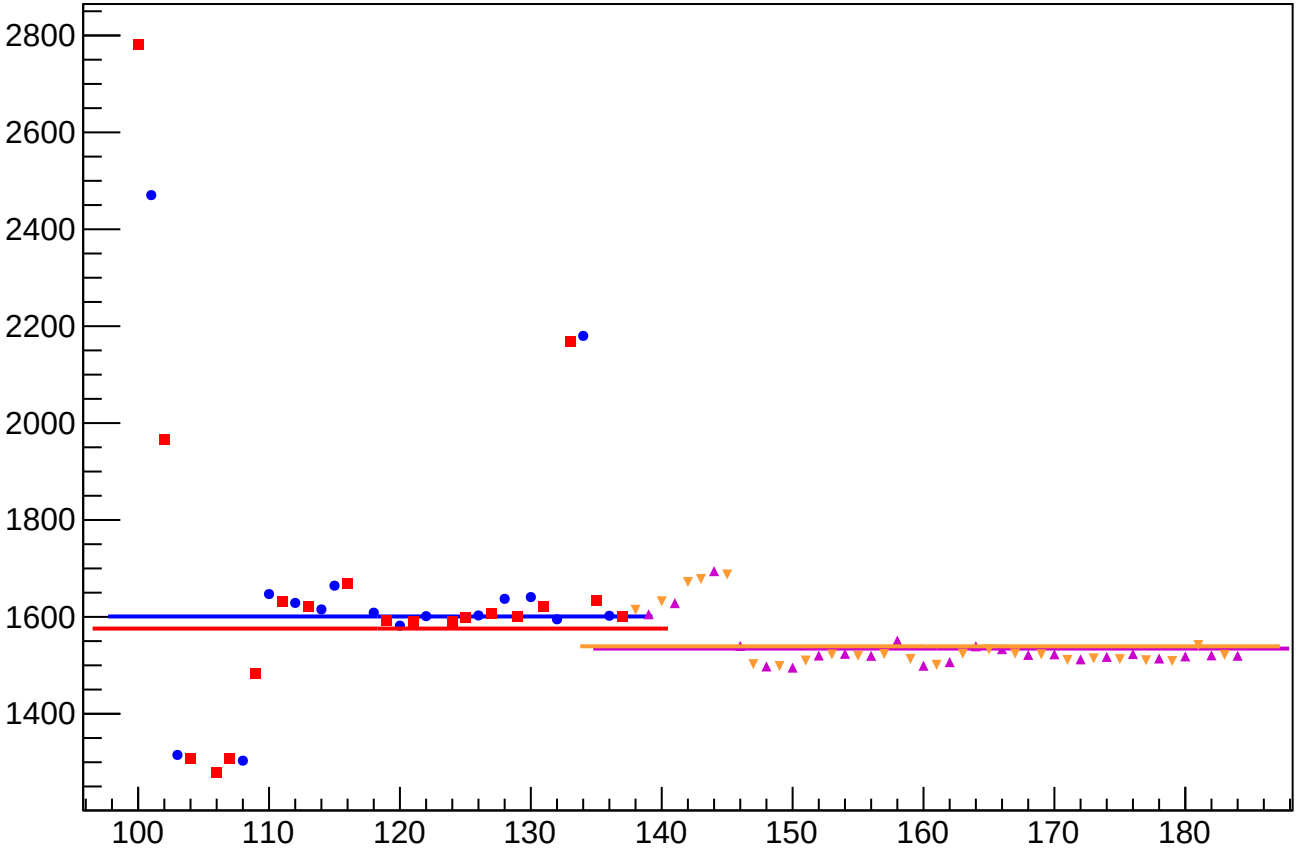
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 2938.376+/-307.883 χ^2/NDF:26.4/38

Out: 1770.504+/-302.121 χ^2/NDF:36.6/42

All: 2343.409+/-215.640 χ^2/NDF: 70.4/81

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: 1534.615+/-0.253 χ^2/NDF:31120.6/22

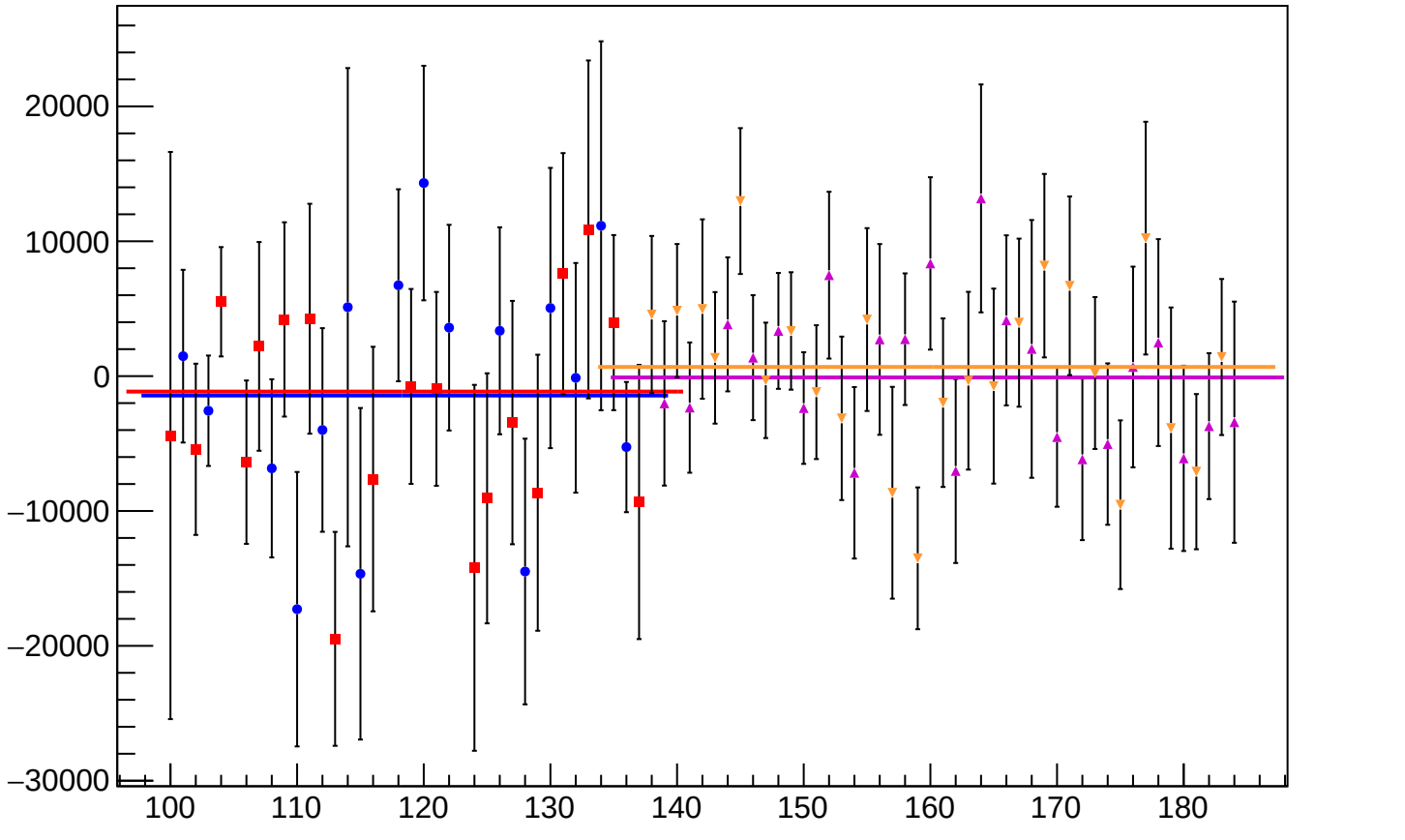
Left: 1537.012+/-0.178 χ^2/NDF: 78045.1/46

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1551.994+/-0.218 χ^2/NDF:366459.7/38

Out: 1549.052+/-0.213 χ^2/NDF:295813.1/42

All: 1550.494+/-0.152 χ^2/NDF: 662365.9/81



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: -97.930+/-1217.585 χ^2/NDF:14.9/22

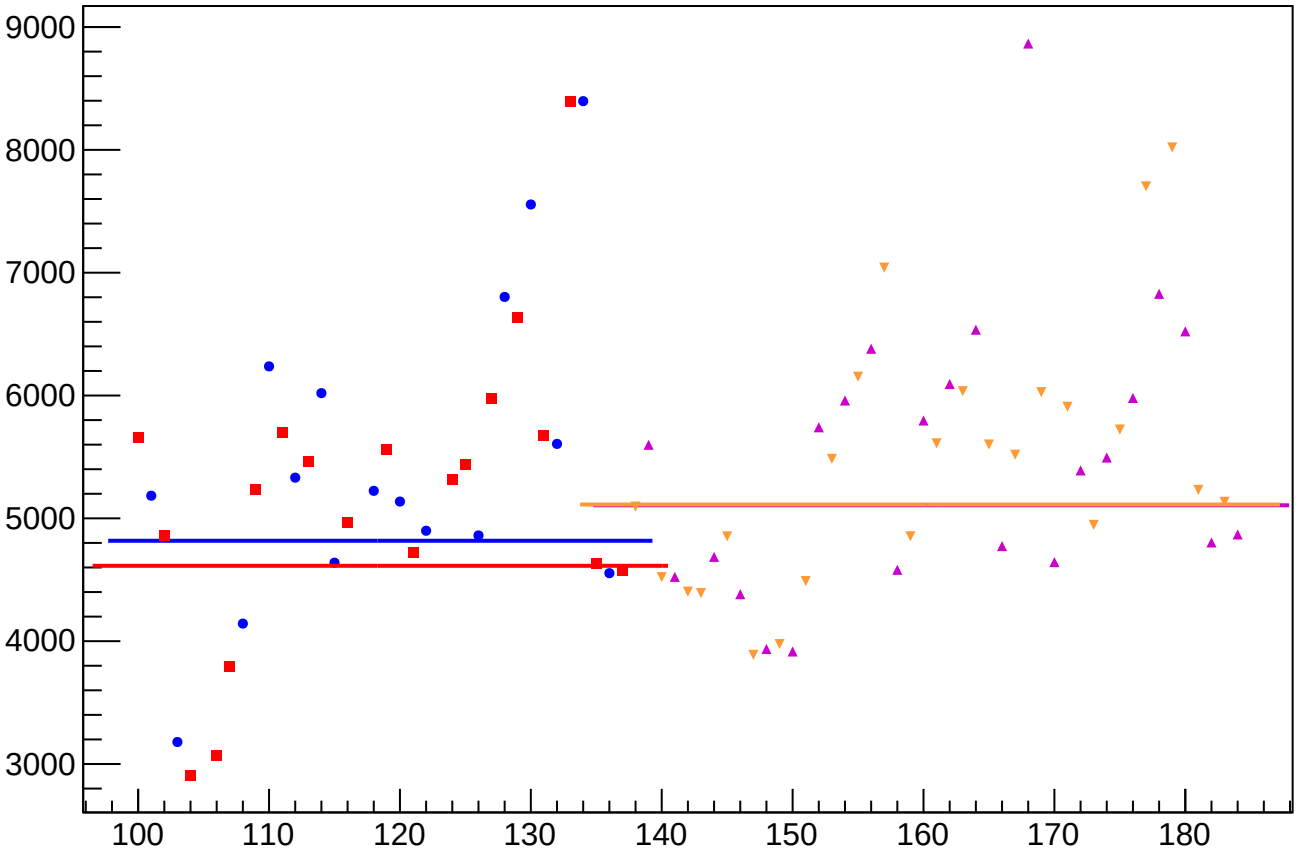
Left: 297.638+/-853.086 χ^2/NDF: 40.3/46

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -503.278+/-1016.791 χ^2/NDF:29.1/38

Out: 105.124+/-989.944 χ^2/NDF:42.2/42

All: -190.939+/-709.298 χ^2/NDF: 71.5/81



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: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

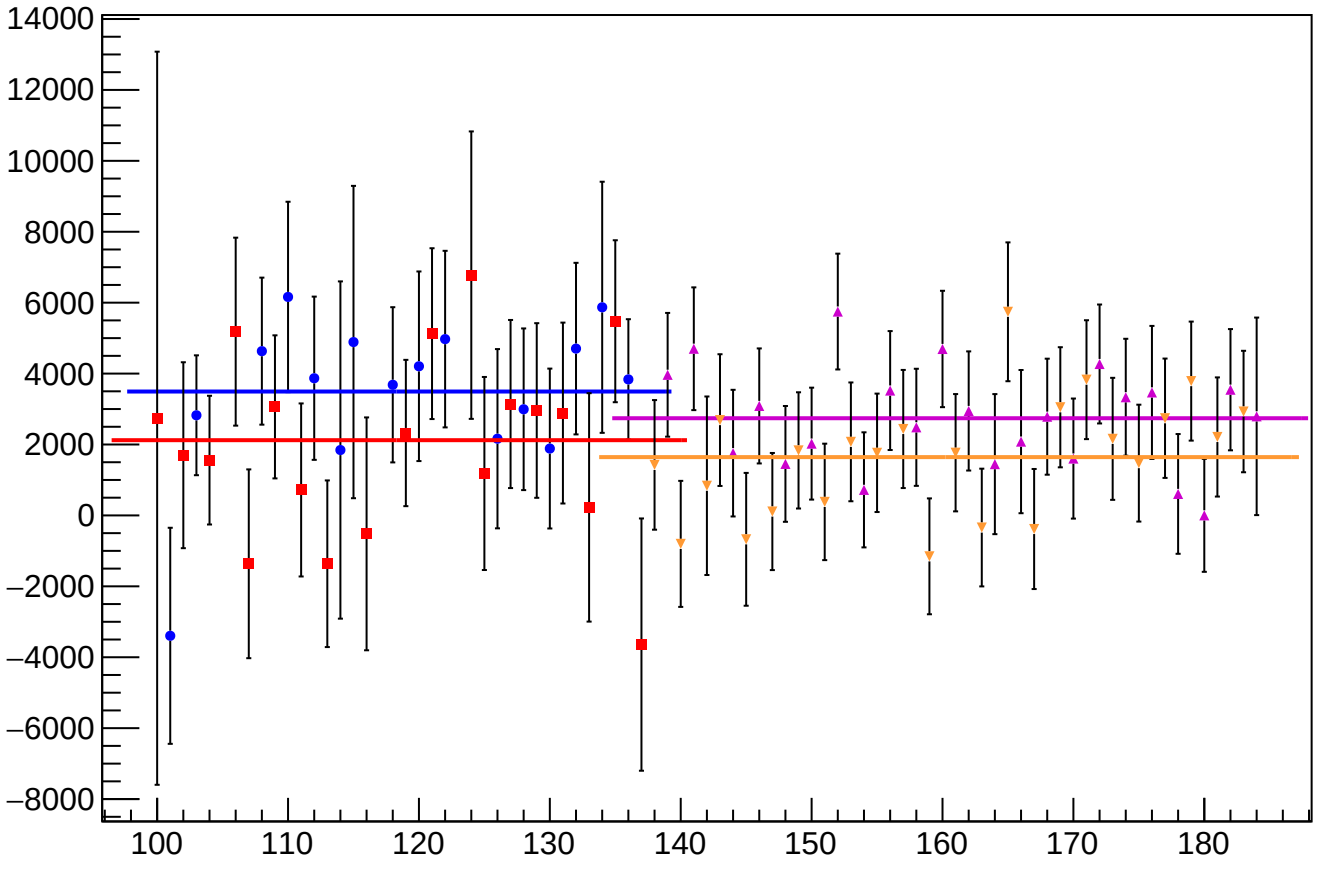
Left: 5109.593+/-0.603 χ^2/NDF: 2410666.6/46

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 5018.954+/-0.719 χ^2/NDF:2080932.0/38

Out: 4955.831+/-0.700 χ^2/NDF:2246448.5/42

All: 4986.548+/-0.502 χ^2/NDF: 4331337.6/81



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: 2740.826+/-358.458 χ^2/NDF:16.4/22

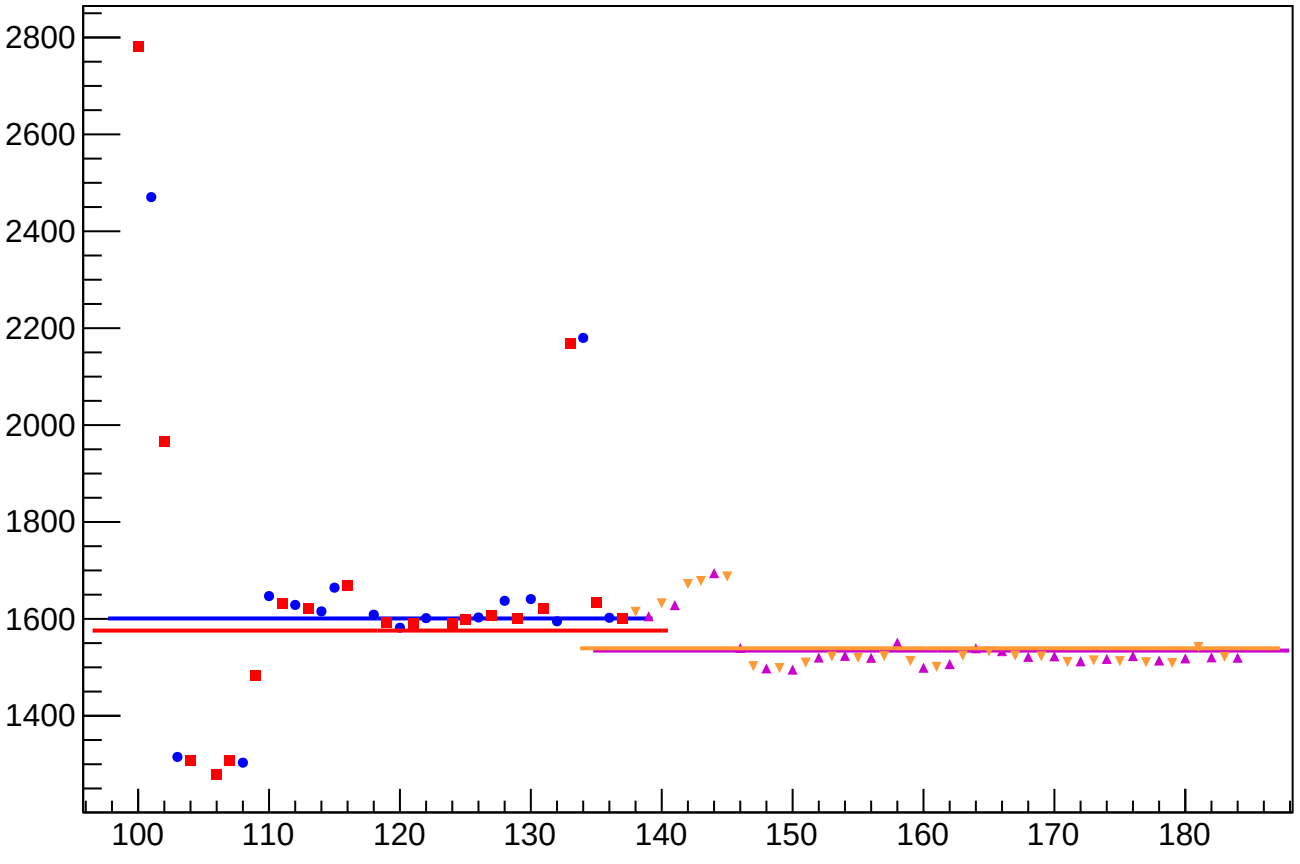
Left: 2182.978+/-251.242 χ^2/NDF: 42.2/46

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 2938.376+/-307.883 χ^2/NDF:26.4/38

Out: 1770.504+/-302.121 χ^2/NDF:36.6/42

All: 2343.409+/-215.640 χ^2/NDF: 70.4/81



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: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1537.012+/-0.178 χ^2/NDF: 78045.1/46

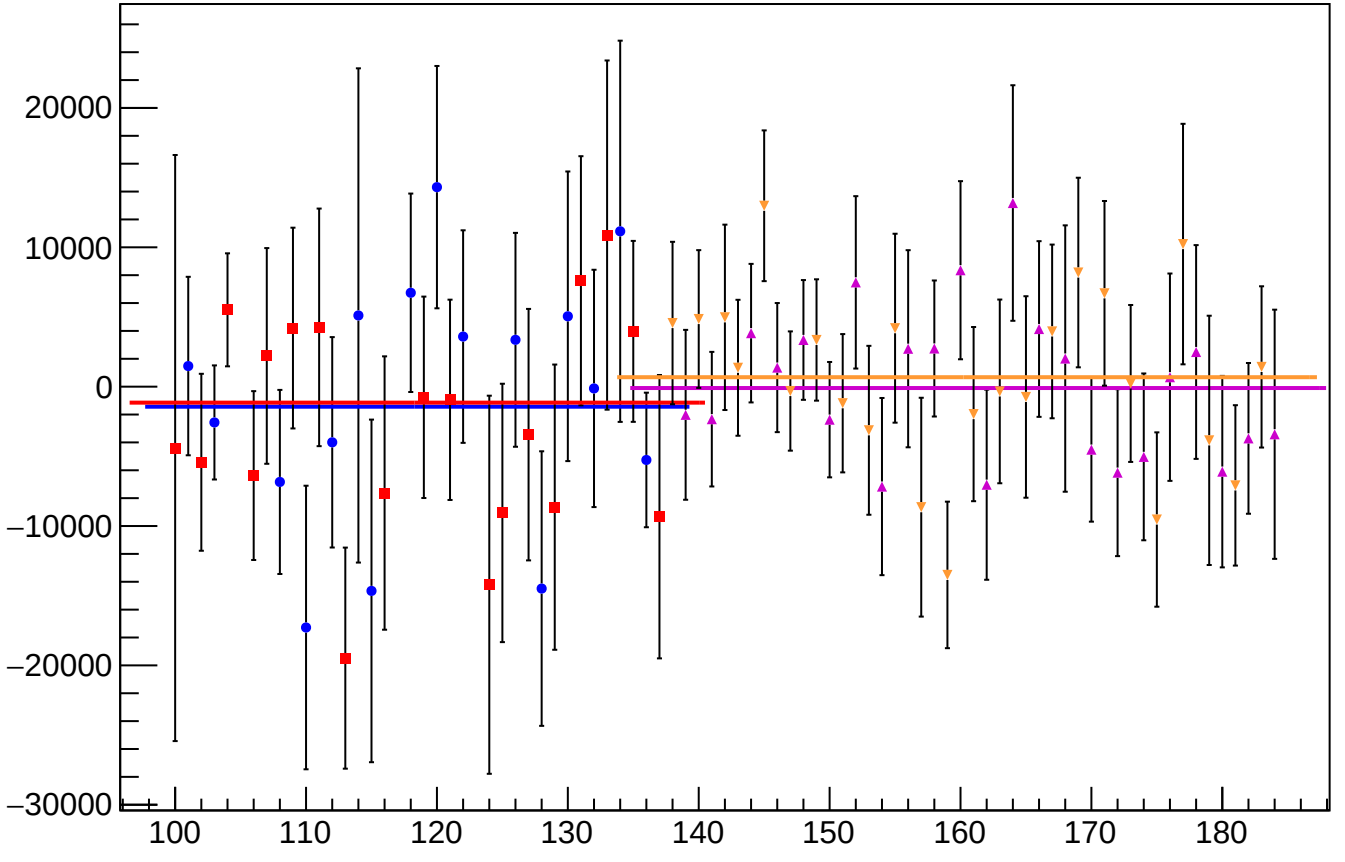
Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1551.994+/-0.218 χ^2/NDF:366459.7/38

Out: 1549.052+/-0.213 χ^2/NDF:295813.1/42

All: 1550.494+/-0.152 χ^2/NDF: 662365.9/81

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 679.056+/-1195.608 χ^2/NDF:25.3/23

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

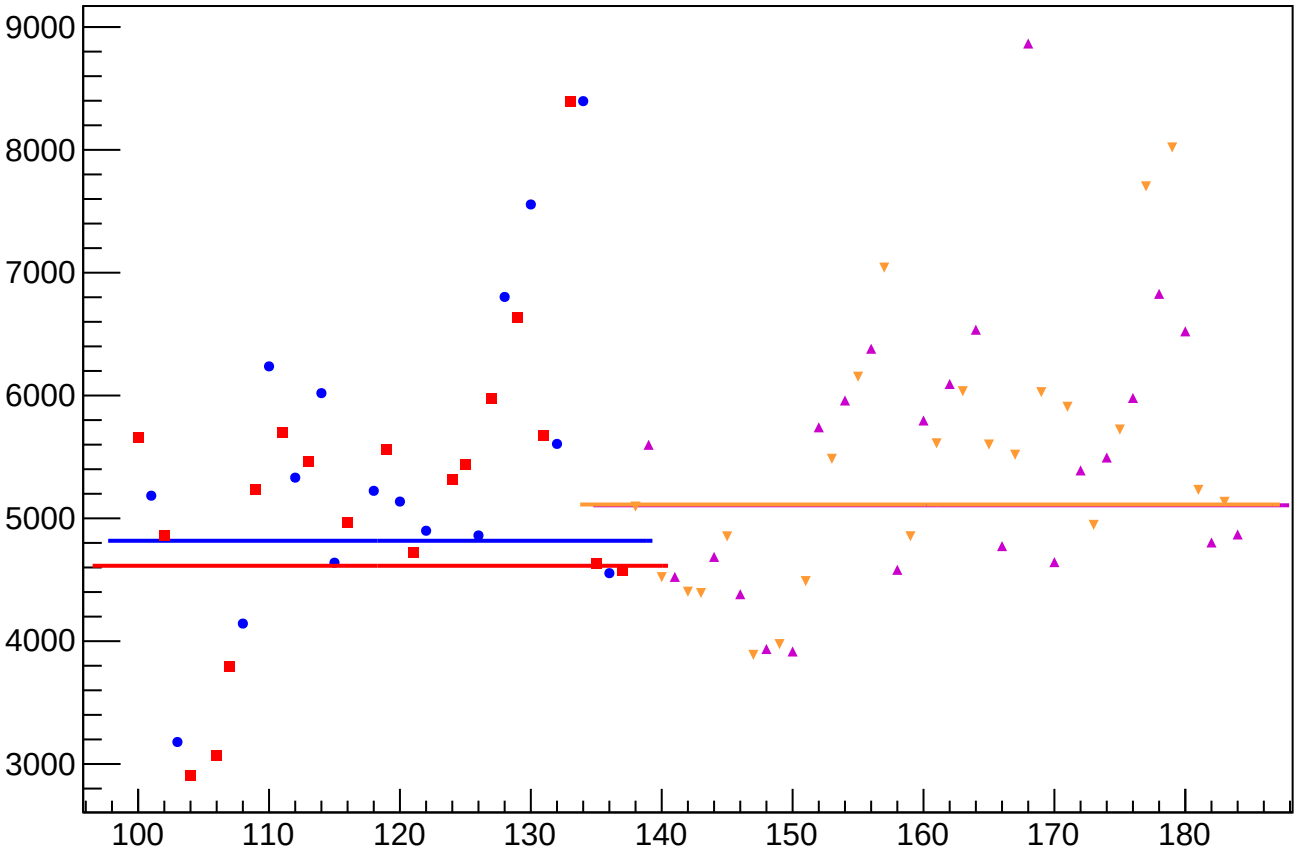
Left: 297.638+/-853.086 χ^2/NDF: 40.3/46

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -503.278+/-1016.791 χ^2/NDF:29.1/38

Out: 105.124+/-989.944 χ^2/NDF:42.2/42

All: -190.939+/-709.298 χ^2/NDF: 71.5/81



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: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

Left: 5109.593+/-0.603 χ^2/NDF: 2410666.6/46

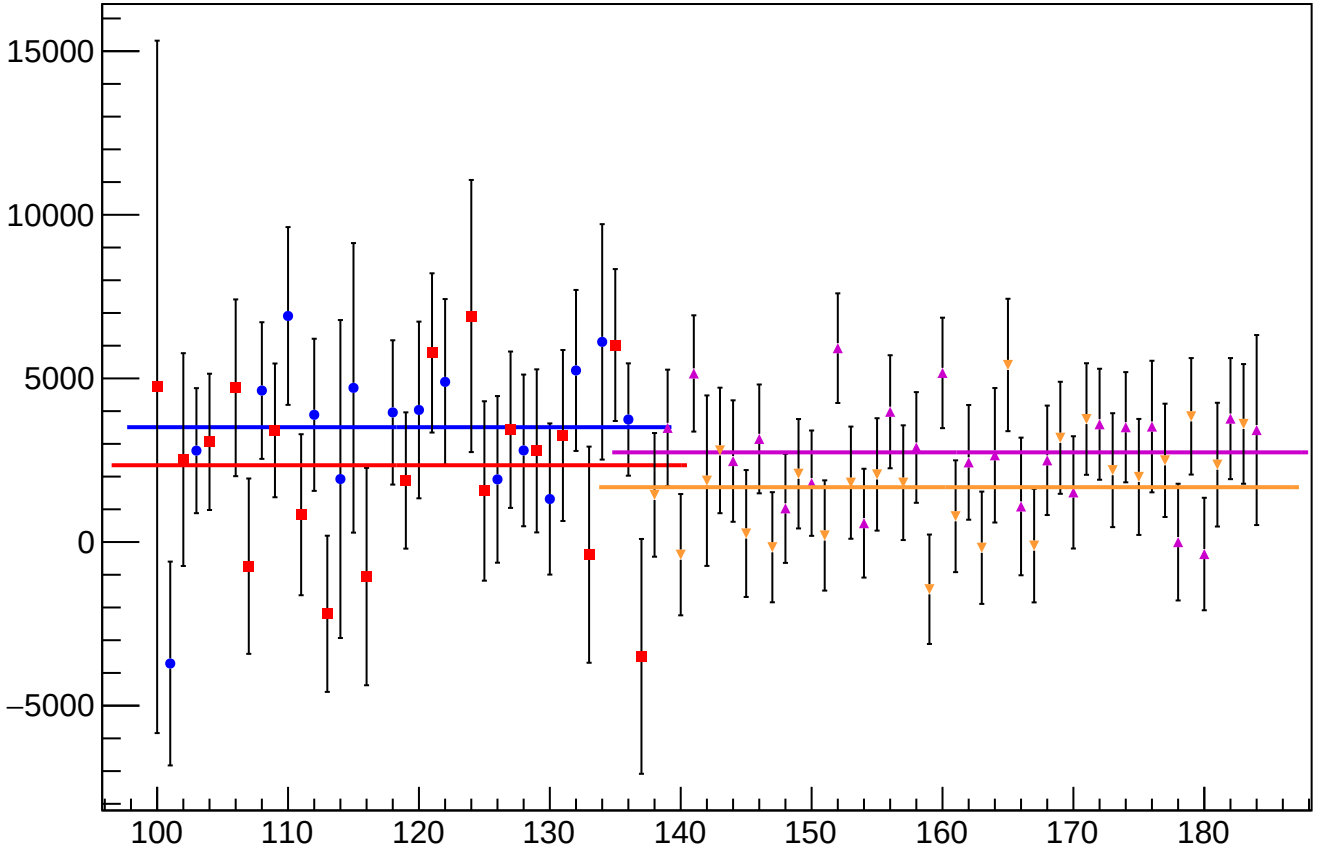
Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 5018.954+/-0.719 χ^2/NDF:2080932.0/38

Out: 4955.831+/-0.700 χ^2/NDF:2246448.5/42

All: 4986.548+/-0.502 χ^2/NDF: 4331337.6/81

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



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: 2740.666+/-370.604 χ^2/NDF:19.2/22

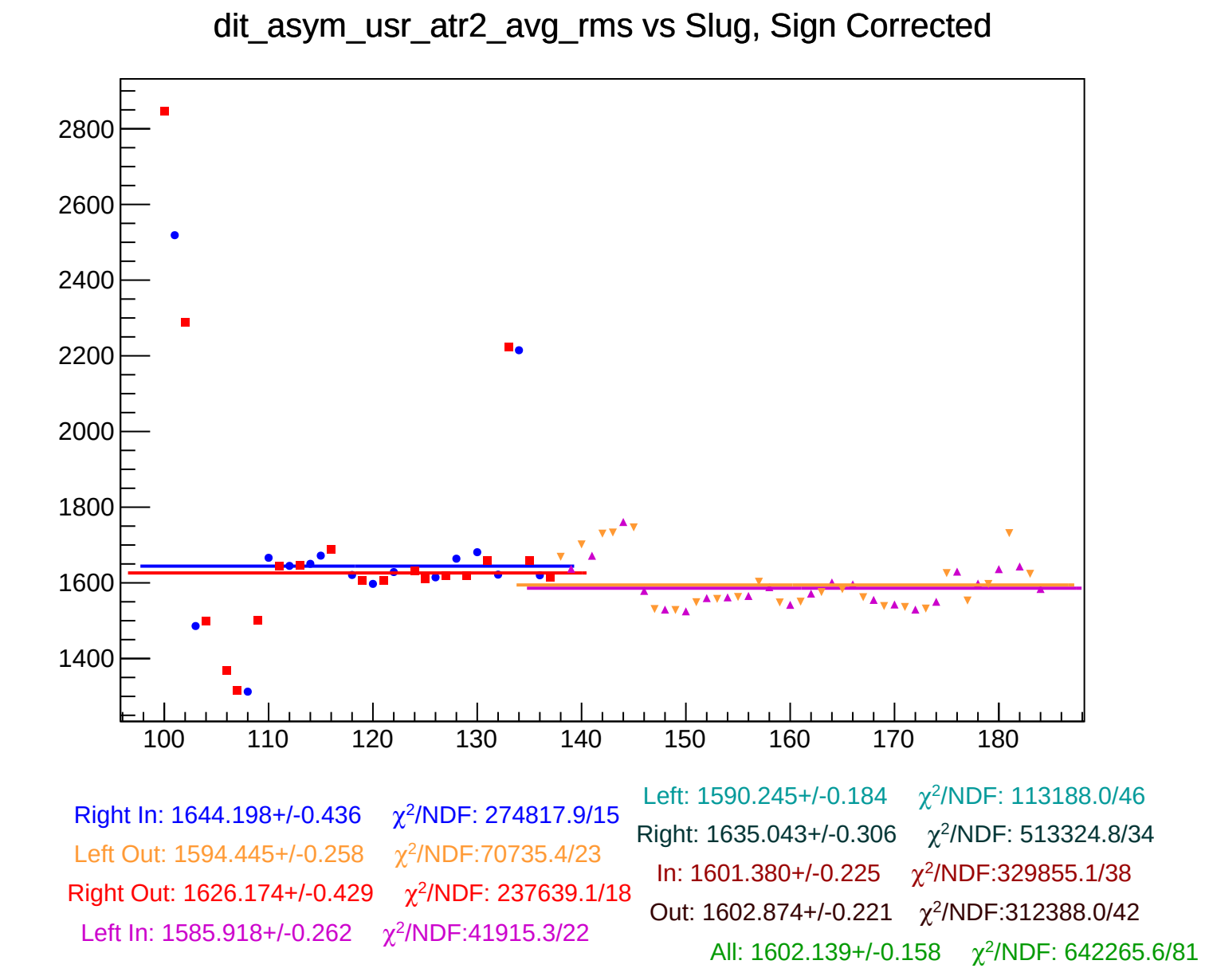
Left: 2200.232+/-260.083 χ^2/NDF: 42.3/46

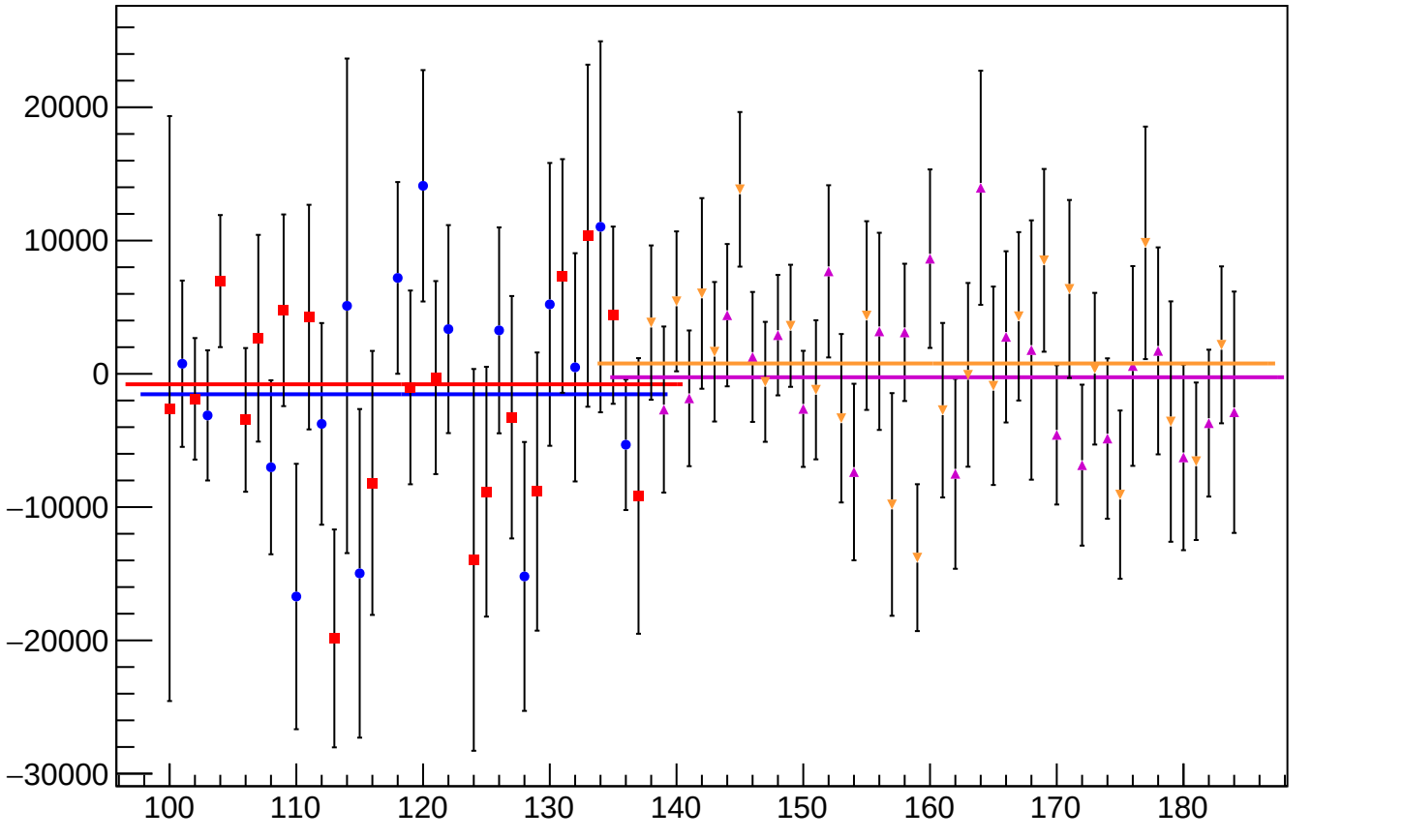
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 2944.644+/-317.661 χ^2/NDF:30.7/38

Out: 1853.834+/-312.925 χ^2/NDF:36.9/42

All: 2391.046+/-222.927 χ^2/NDF: 73.6/81


dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
170
180
Right In: 1644.198+/-0.436 χ²/NDF: 274817.9/15
Left Out: 1594.445+/-0.258 χ²/NDF:70735.4/23
Right Out: 1626.174+/-0.429 χ²/NDF: 237639.1/18
Left In: 1585.918+/-0.262 χ²/NDF:41915.3/22
Left: 1590.245+/-0.184 χ²/NDF: 113188.0/46
Right: 1635.043+/-0.306 χ²/NDF: 513324.8/34
In: 1601.380+/-0.225 χ²/NDF:329855.1/38
Out: 1602.874+/-0.221 χ²/NDF:312388.0/42
All: 1602.139+/-0.158 χ²/NDF: 642265.6/81



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 779.174+/-1242.345 χ^2/NDF:24.6/23

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

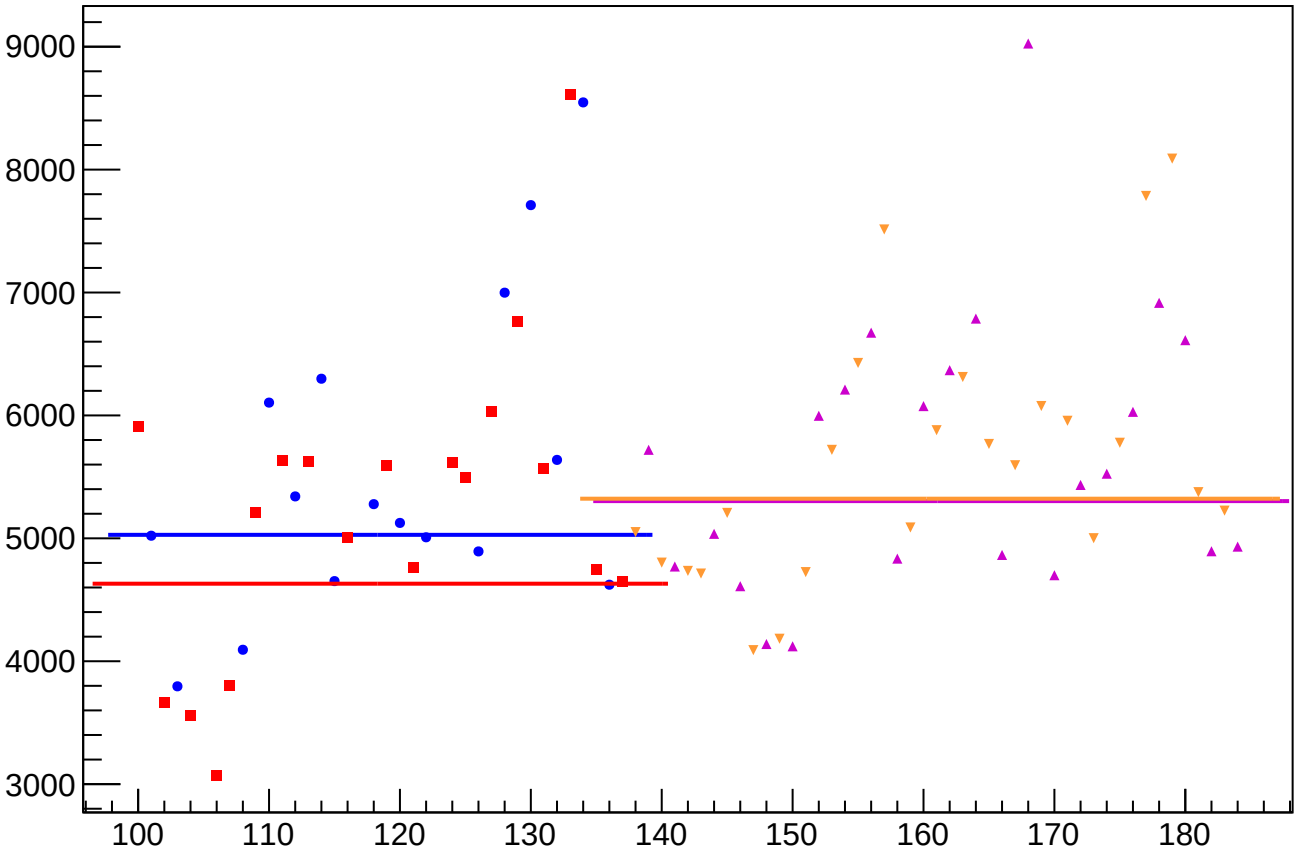
Left: 270.006+/-885.547 χ^2/NDF: 39.6/46

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -642.927+/-1053.910 χ^2/NDF:28.8/38

Out: 254.712+/-1012.751 χ^2/NDF:40.2/42

All: -176.237+/-730.240 χ^2/NDF: 69.4/81



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: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

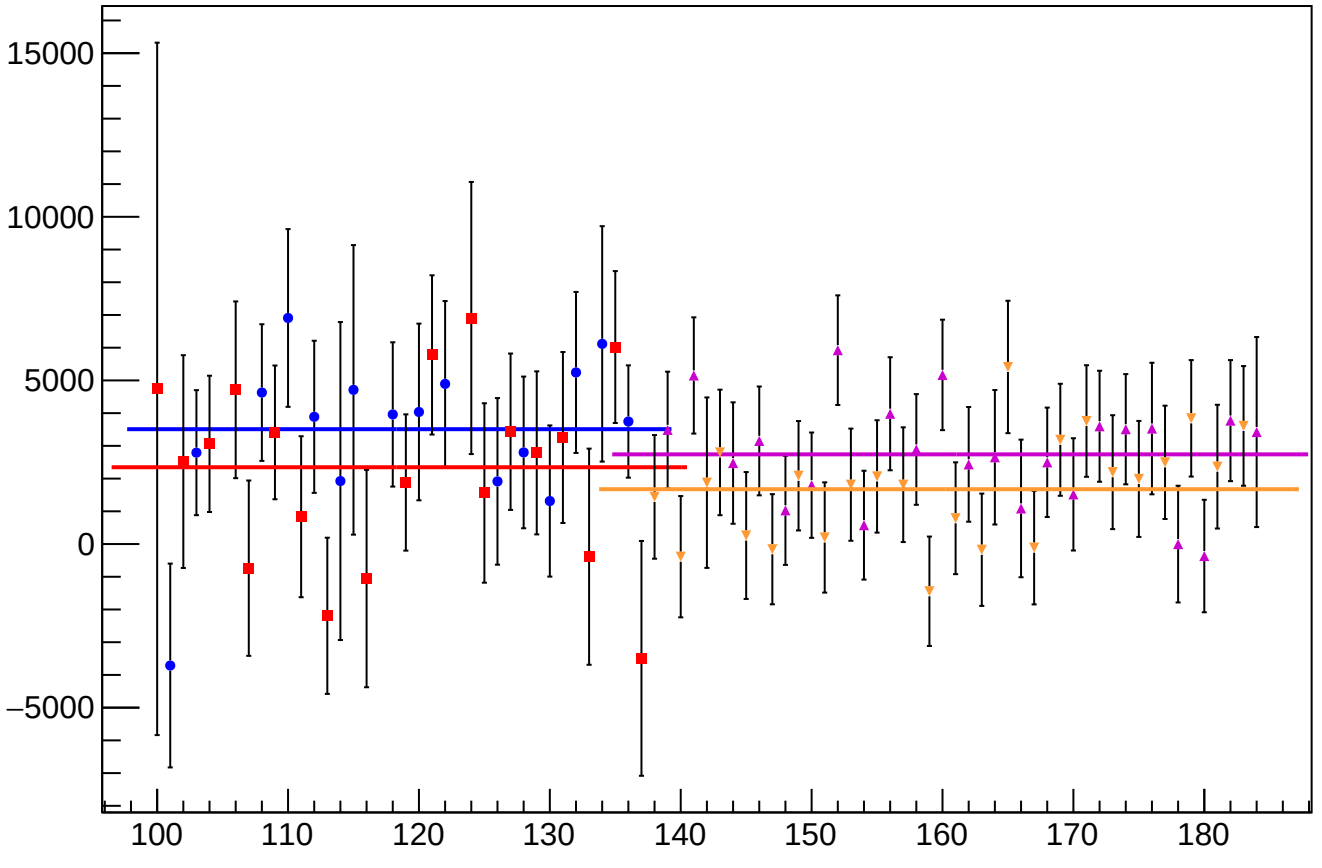
Left: 5312.832+/-0.626 χ^2/NDF: 2189604.5/46

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5219.635+/-0.745 χ^2/NDF:1746492.4/38

Out: 5090.493+/-0.716 χ^2/NDF:2108414.8/42

All: 5152.493+/-0.516 χ^2/NDF: 3870519.9/81



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: 2740.666+/-370.605 χ^2/NDF:19.2/22

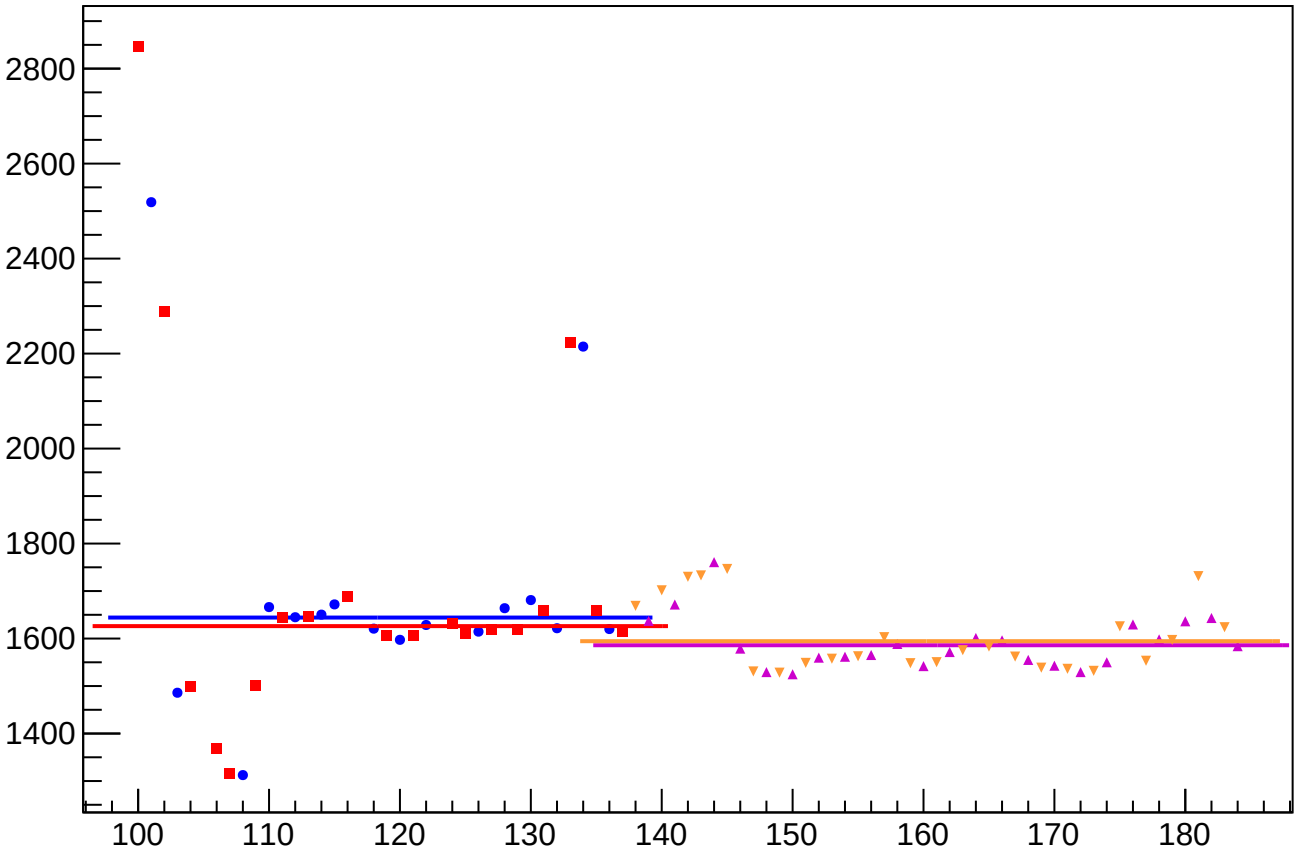
Left: 2200.229+/-260.083 χ^2/NDF: 42.3/46

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 2944.645+/-317.661 χ^2/NDF:30.7/38

Out: 1853.831+/-312.925 χ^2/NDF:36.9/42

All: 2391.045+/-222.927 χ^2/NDF: 73.6/81



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: 1585.919+/-0.262 χ^2/NDF:41915.1/22

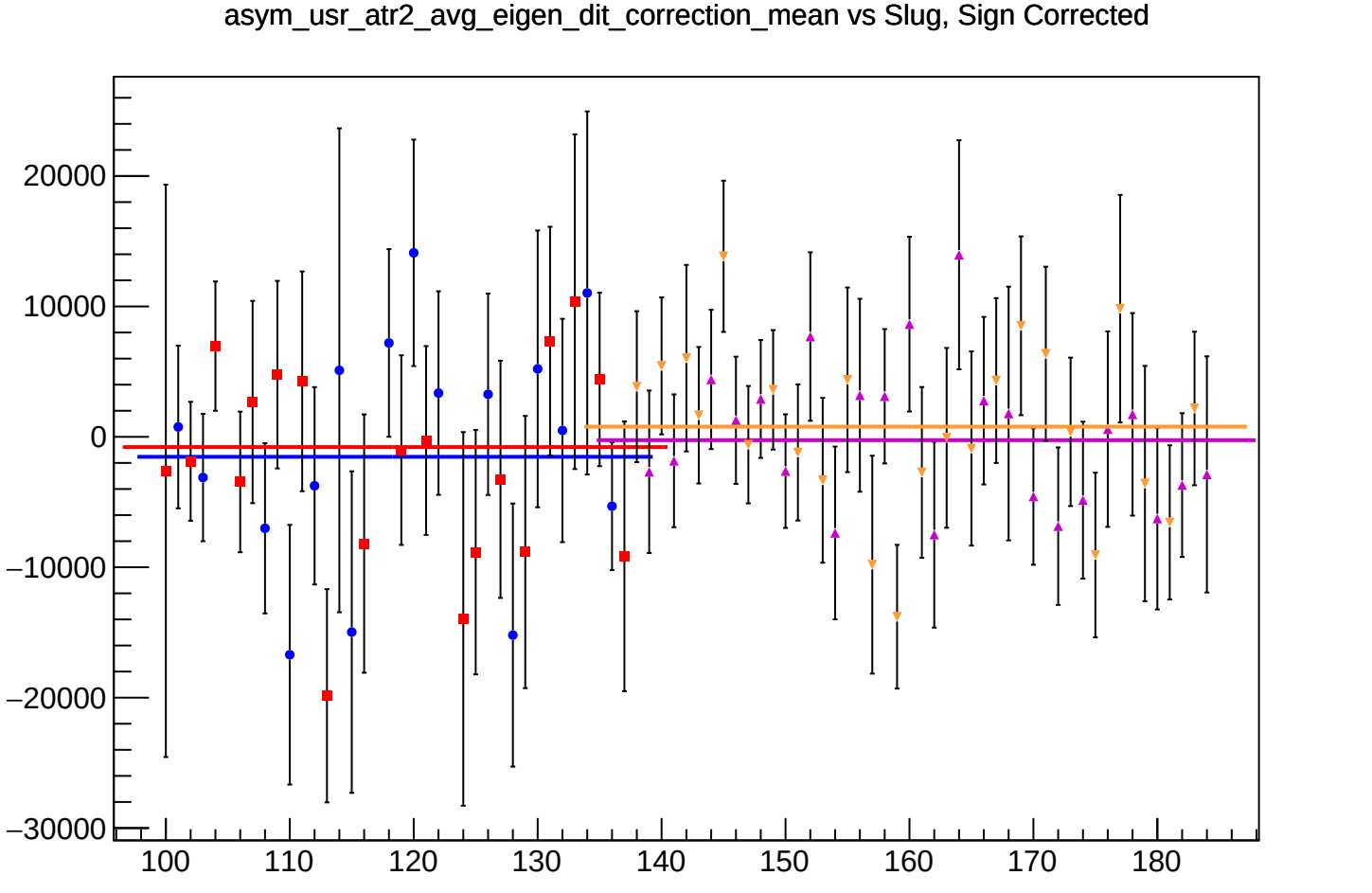
Left: 1590.246+/-0.184 χ^2/NDF: 113187.7/46

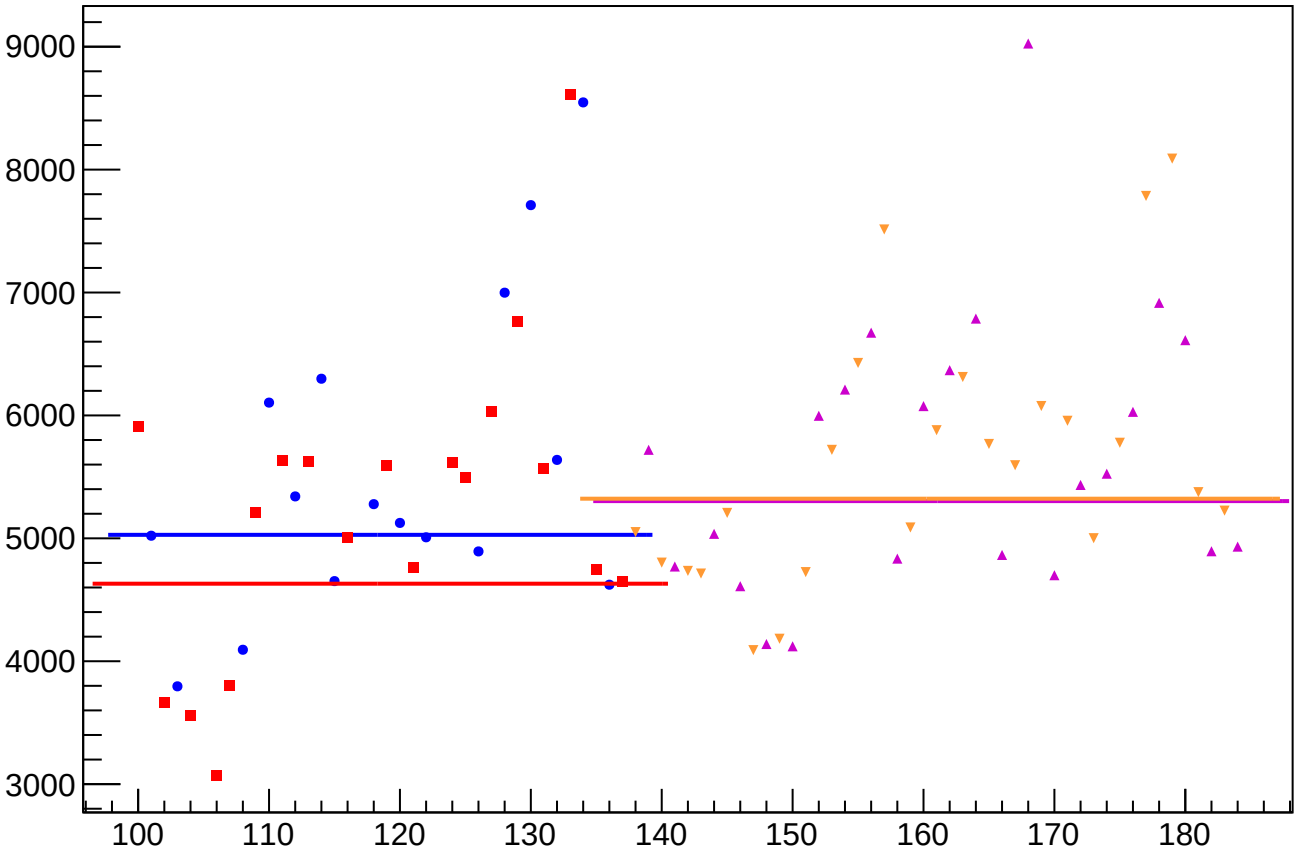
Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1601.381+/-0.225 χ^2/NDF:329854.4/38

Out: 1602.875+/-0.221 χ^2/NDF:312387.2/42

All: 1602.139+/-0.158 χ^2/NDF: 642264.1/81


asym_usr_atr2_avg_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: -1532.095+/-1913.796 χ²/NDF: 13.9/15
Left Out: 779.171+/-1242.347 χ²/NDF:24.6/23
Right Out: -784.236+/-1748.563 χ²/NDF: 15.0/18
Left In: -255.907+/-1262.609 χ²/NDF:14.6/22
Left: 270.004+/-885.549 χ²/NDF: 39.6/46
Right: -1124.493+/-1290.891 χ²/NDF: 29.0/34
In: -642.925+/-1053.911 χ²/NDF:28.8/38
Out: 254.707+/-1012.752 χ²/NDF:40.2/42
All: -176.239+/-730.241 χ²/NDF: 69.4/81



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: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

Left: 5312.841+/-0.626 χ^2/NDF: 2189610.7/46

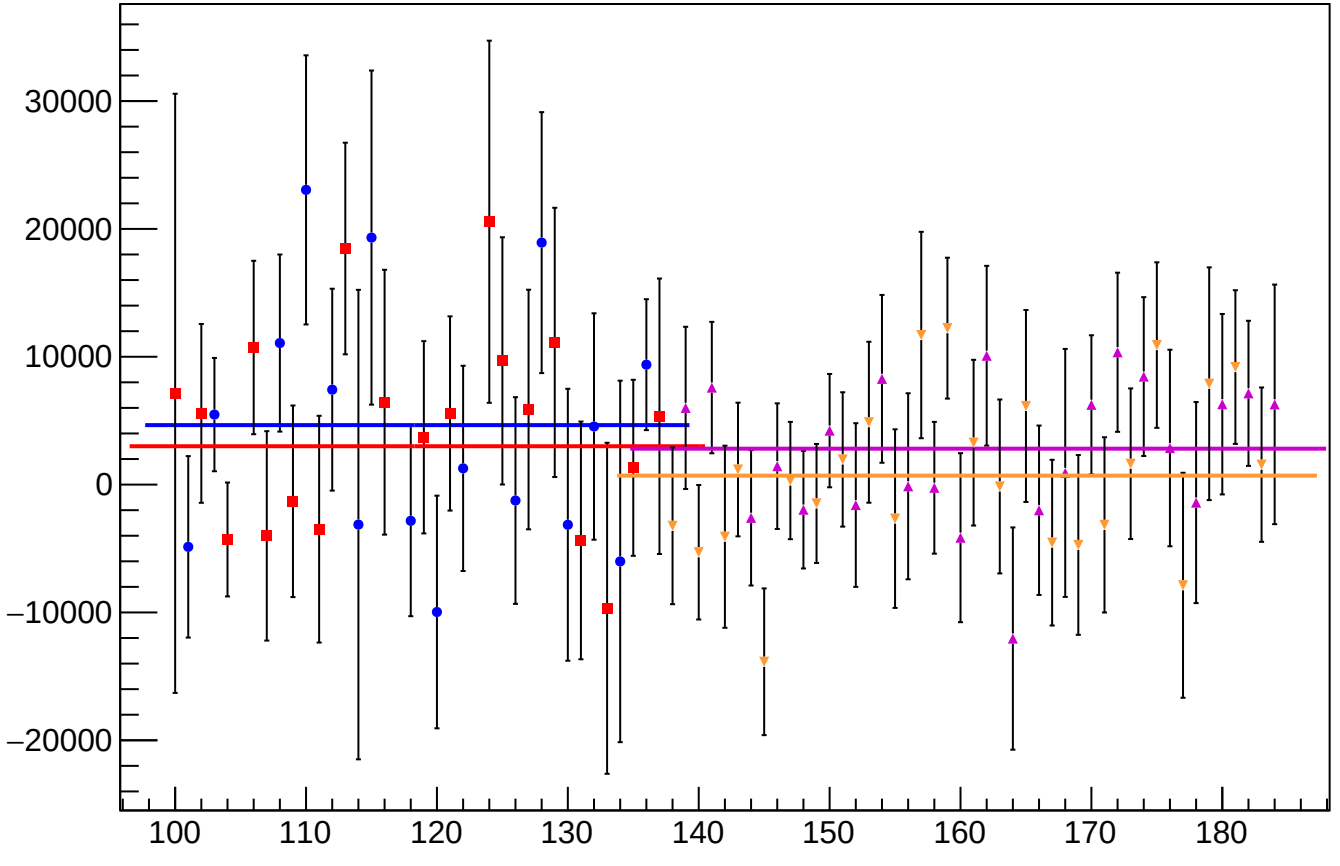
Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5219.639+/-0.745 χ^2/NDF:1746493.3/38

Out: 5090.496+/-0.716 χ^2/NDF:2108420.6/42

All: 5152.497+/-0.516 χ^2/NDF: 3870526.9/81

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: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1738.961+/-895.299 χ^2/NDF: 40.2/46

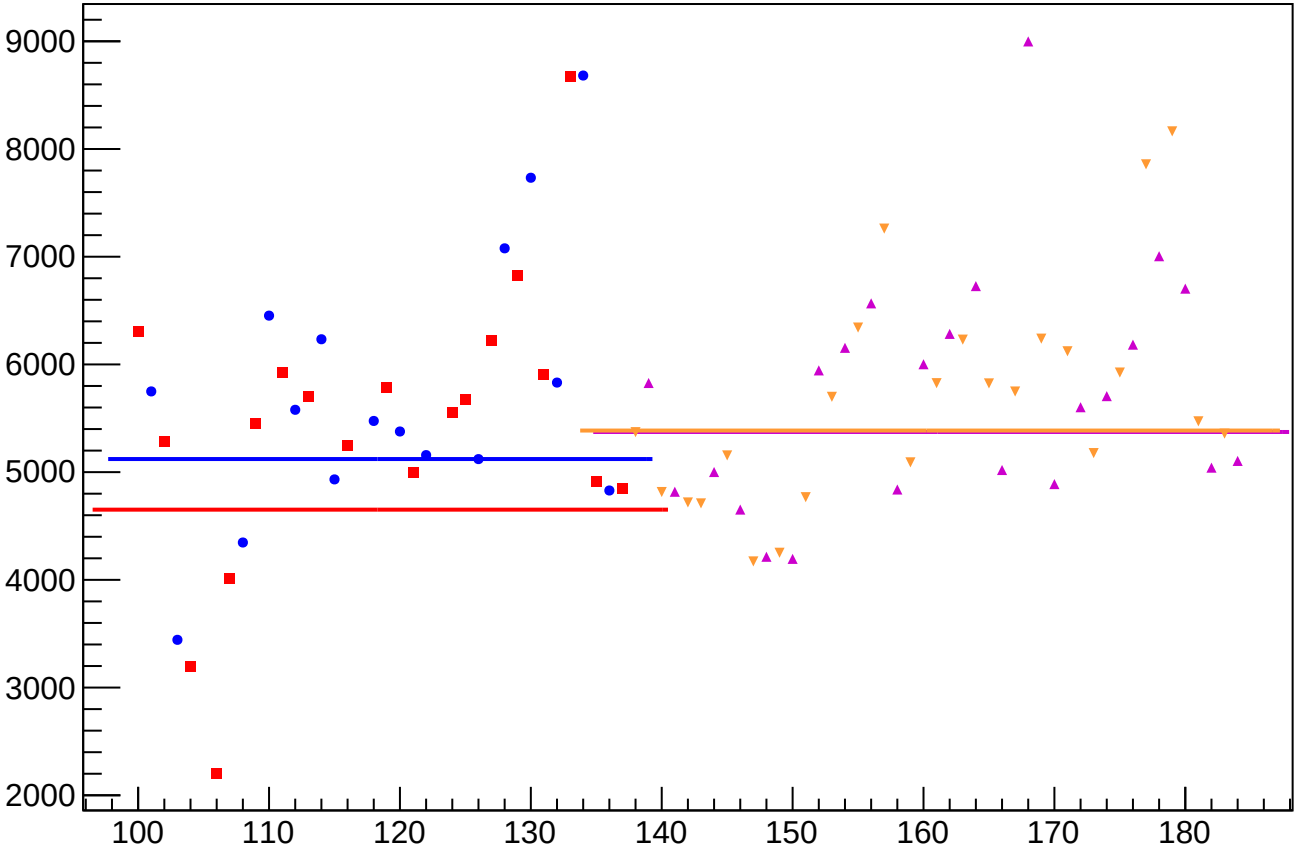
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3360.467+/-1069.831 χ^2/NDF:30.8/38

Out: 1410.605+/-1044.478 χ^2/NDF:39.1/42

All: 2362.159+/-747.360 χ^2/NDF: 71.6/81

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: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

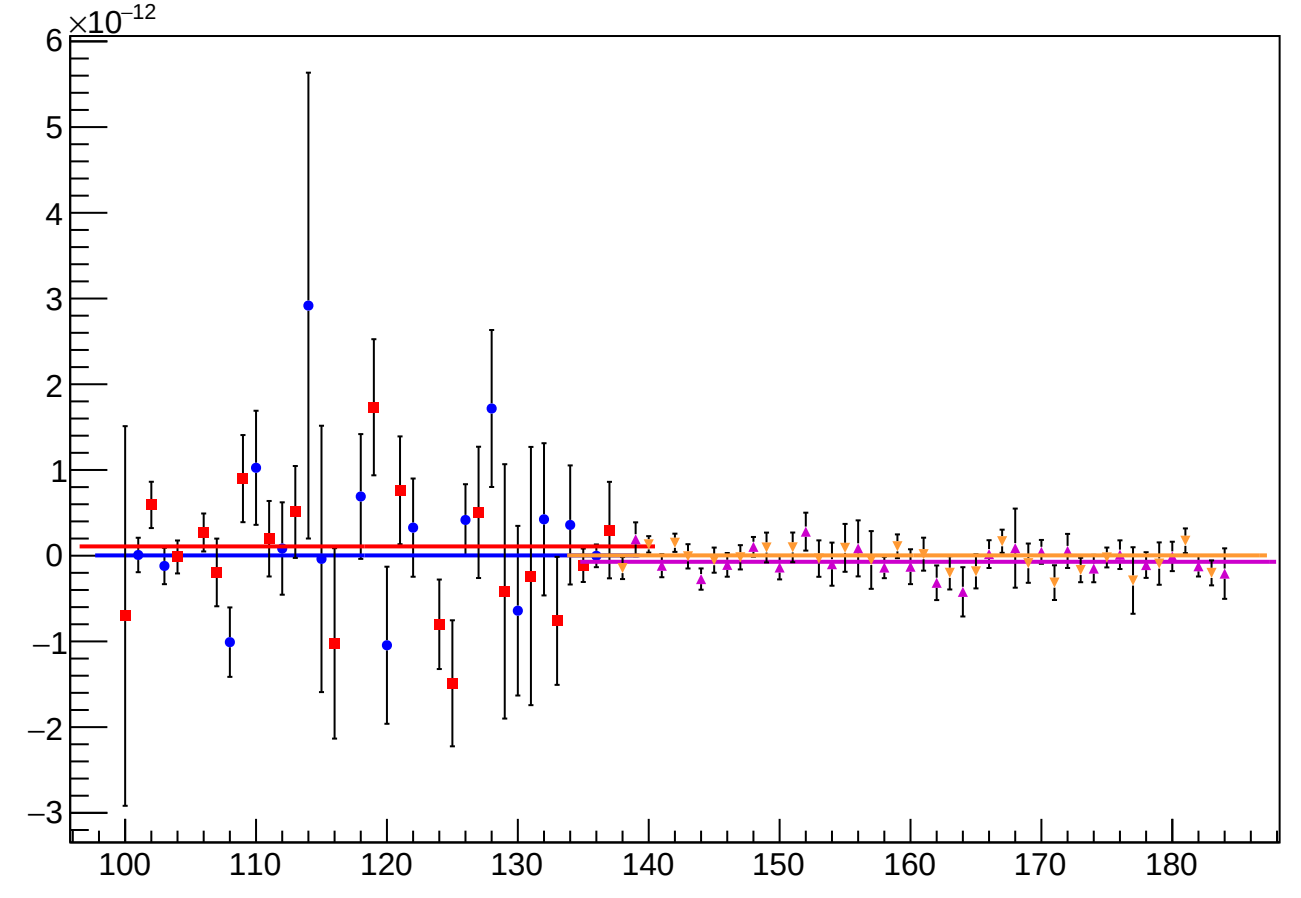
Left: 5379.629+/-0.633 χ^2/NDF: 2058997.3/46

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5297.904+/-0.756 χ^2/NDF:1815280.0/38

Out: 5147.746+/-0.729 χ^2/NDF:2554158.5/42

All: 5220.098+/-0.525 χ^2/NDF: 4389854.1/81



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:15.9/22

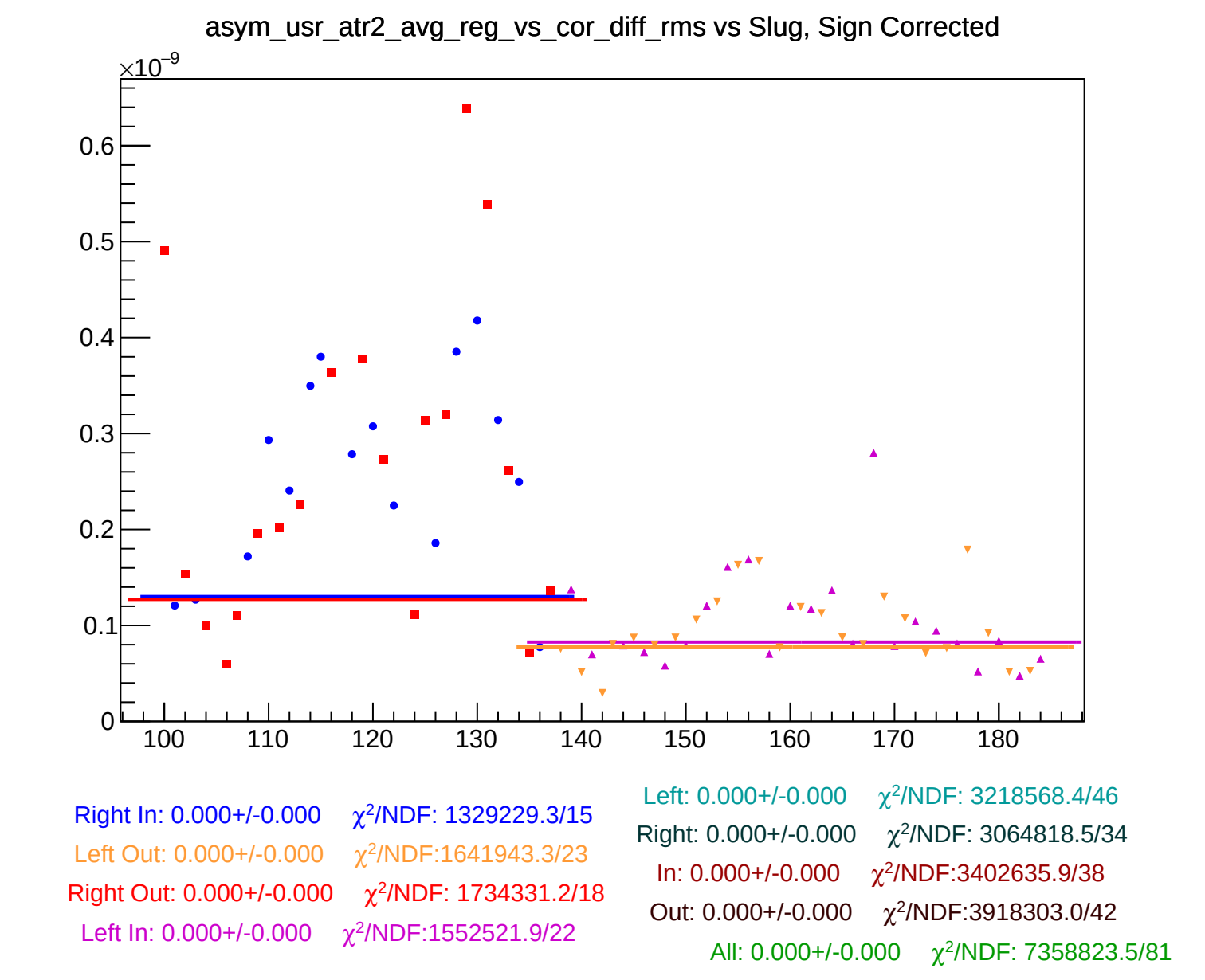
Left: -0.000+/-0.000 χ^2/NDF: 36.6/46

Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

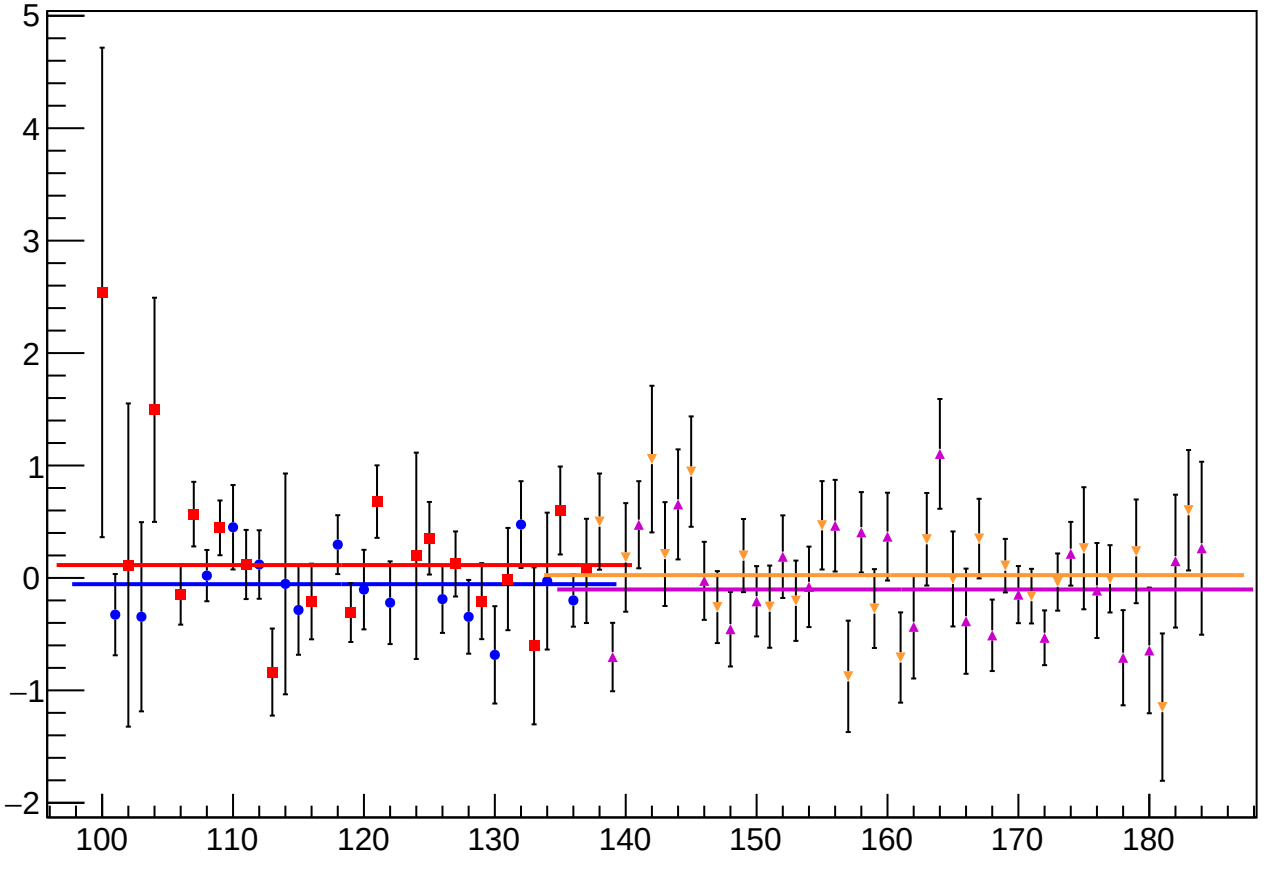
In: -0.000+/-0.000 χ^2/NDF:34.5/38

Out: 0.000+/-0.000 χ^2/NDF:44.5/42

All: -0.000+/-0.000 χ^2/NDF: 82.1/81


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:1552521.9/22
Left: 0.000+/-0.000 χ²/NDF: 3218568.4/46
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:3402635.9/38
Out: 0.000+/-0.000 χ²/NDF:3918303.0/42
All: 0.000+/-0.000 χ²/NDF: 7358823.5/81

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.025+/-0.076 χ^2/NDF:25.2/23

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

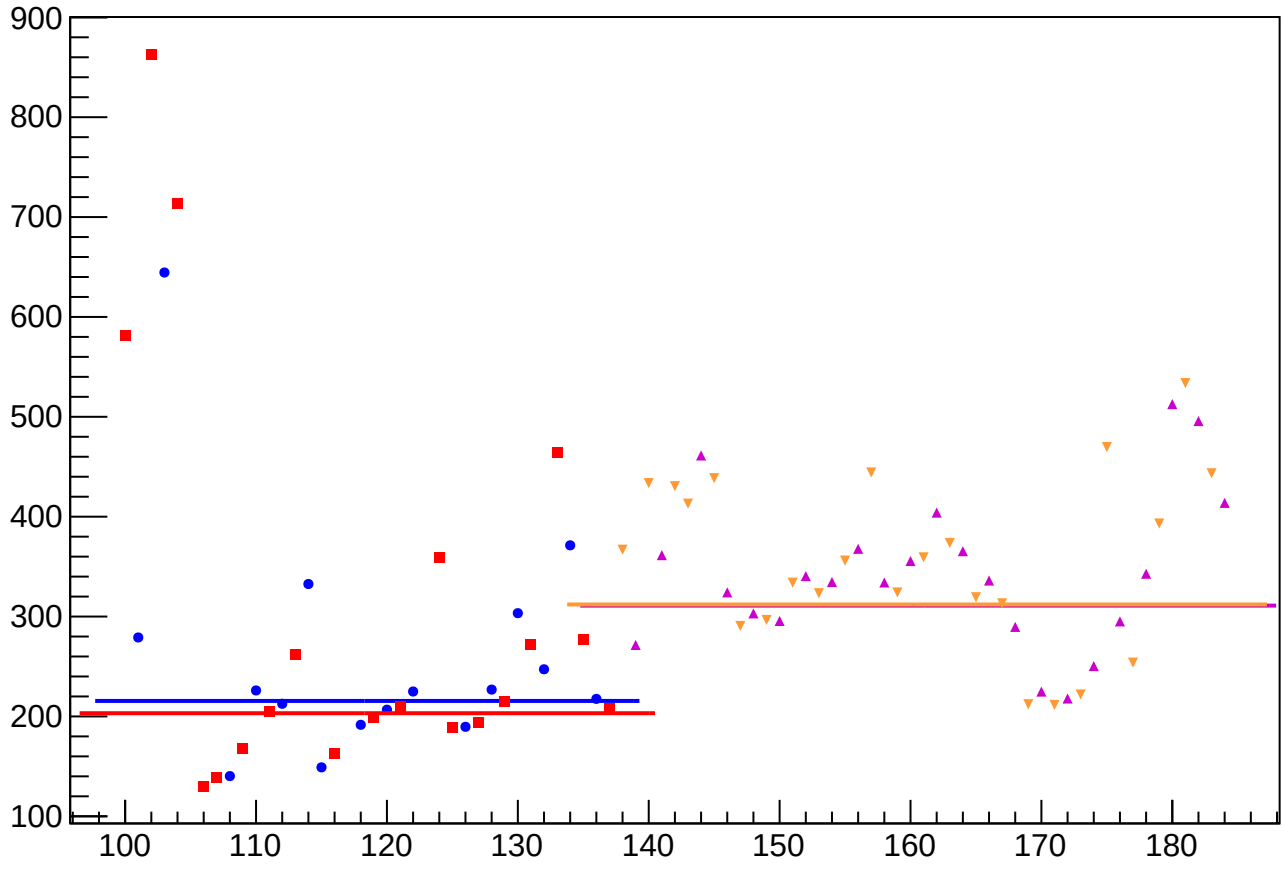
Left: -0.038+/-0.054 χ^2/NDF: 58.9/46

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.082+/-0.057 χ^2/NDF:43.1/38

Out: 0.065+/-0.056 χ^2/NDF:51.1/42

All: -0.007+/-0.040 χ^2/NDF: 97.6/81



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: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 311.530+/-0.038 χ^2/NDF: 3920948.9/46

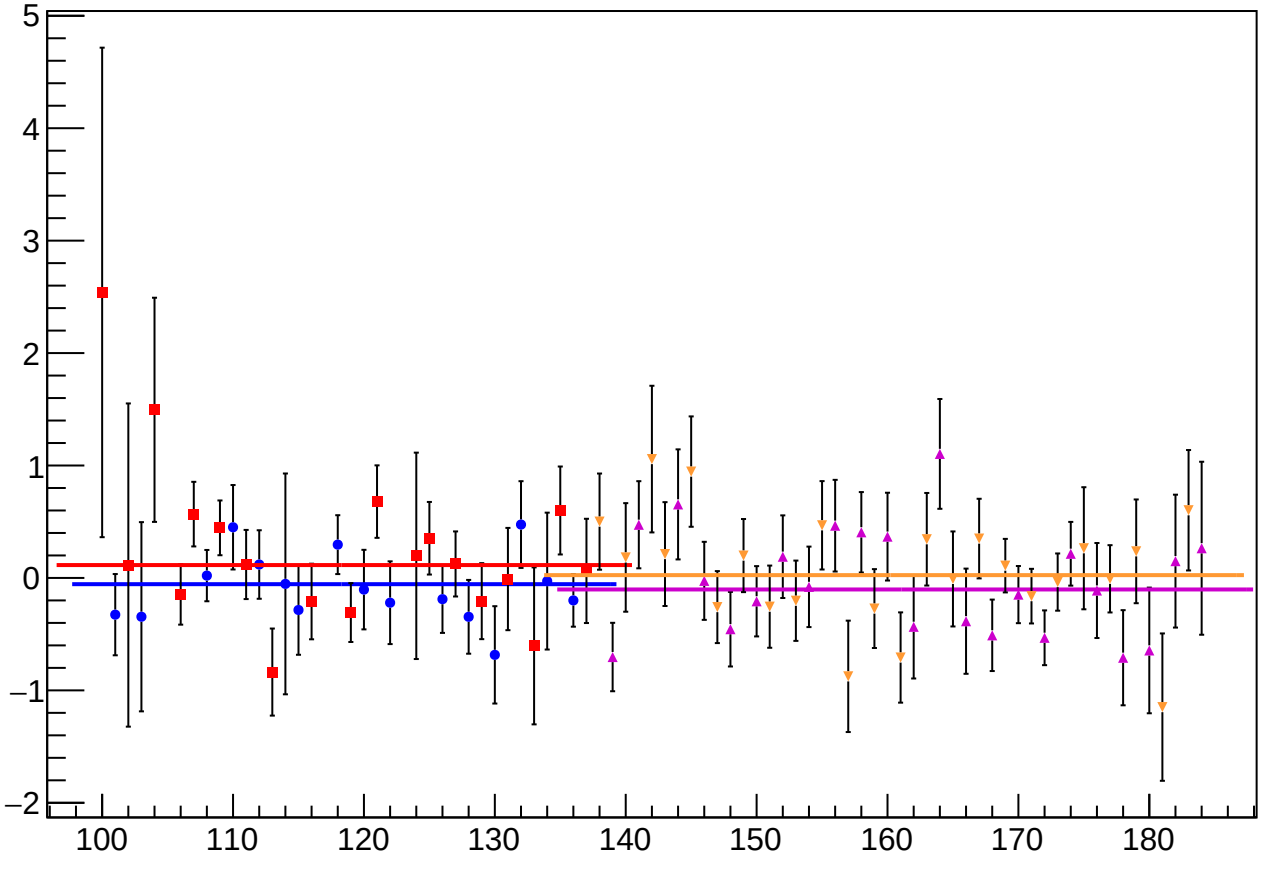
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 268.661+/-0.040 χ^2/NDF:4137697.9/38

Out: 262.857+/-0.040 χ^2/NDF:6031740.7/42

All: 265.711+/-0.028 χ^2/NDF: 10180016.2/81

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: -0.103+/-0.076 χ^2/NDF:32.3/22

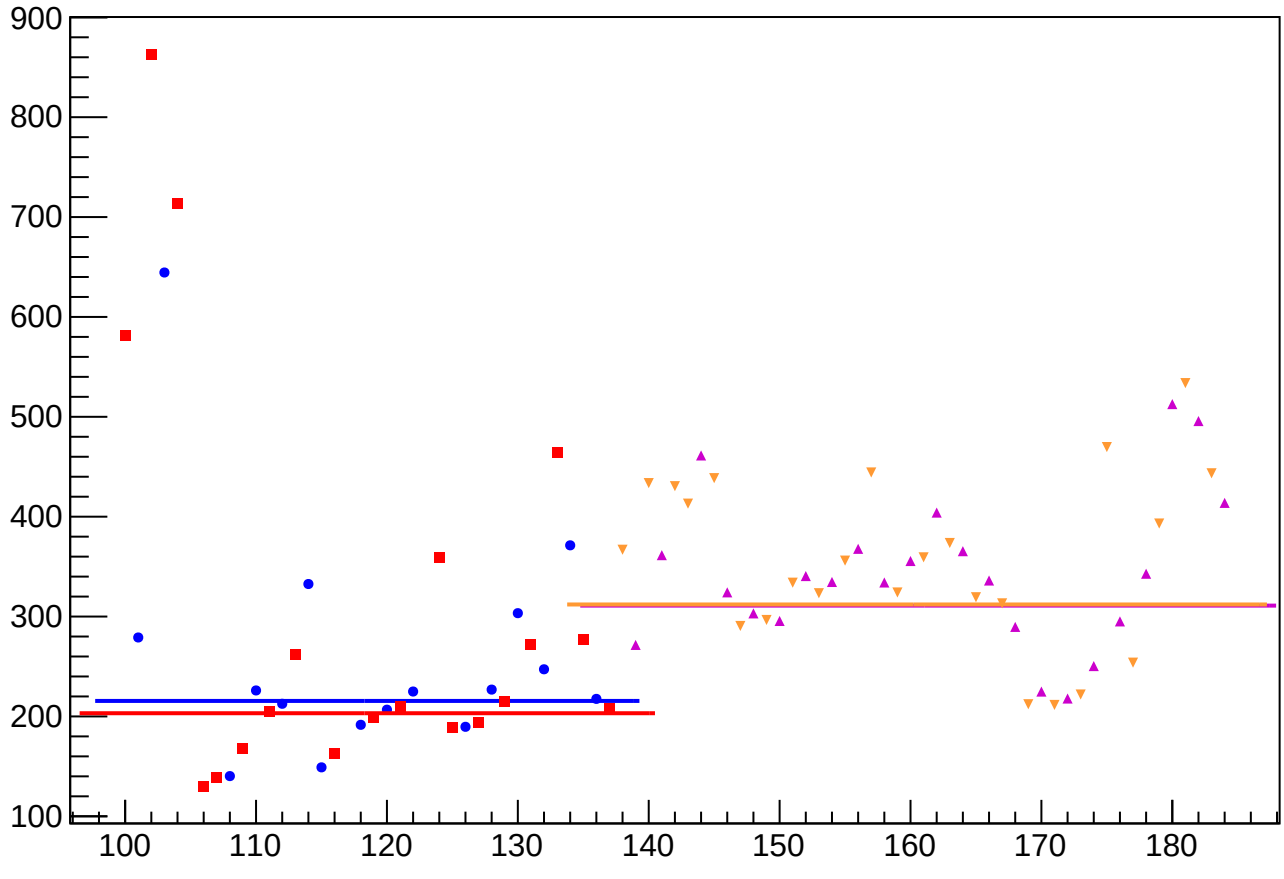
Left: -0.038+/-0.054 χ^2/NDF: 58.9/46

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.082+/-0.057 χ^2/NDF:43.1/38

Out: 0.065+/-0.056 χ^2/NDF:51.1/42

All: -0.007+/-0.040 χ^2/NDF: 97.6/81



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: 310.960+/-0.054 χ^2/NDF:1600370.0/22

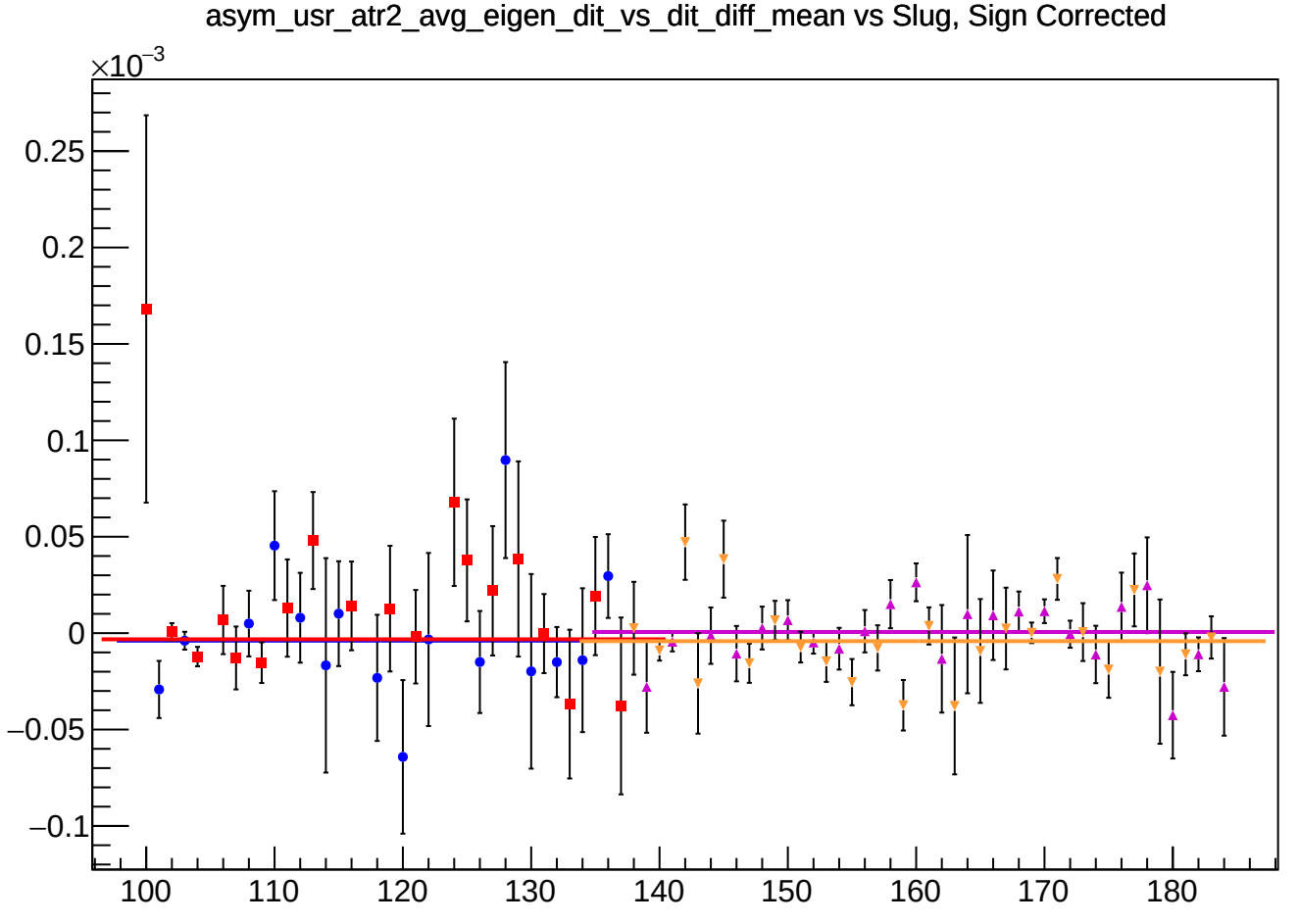
Left: 311.530+/-0.038 χ^2/NDF: 3920948.9/46

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 268.661+/-0.040 χ^2/NDF:4137697.9/38

Out: 262.857+/-0.040 χ^2/NDF:6031740.7/42

All: 265.711+/-0.028 χ^2/NDF: 10180016.2/81



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:26.6/22

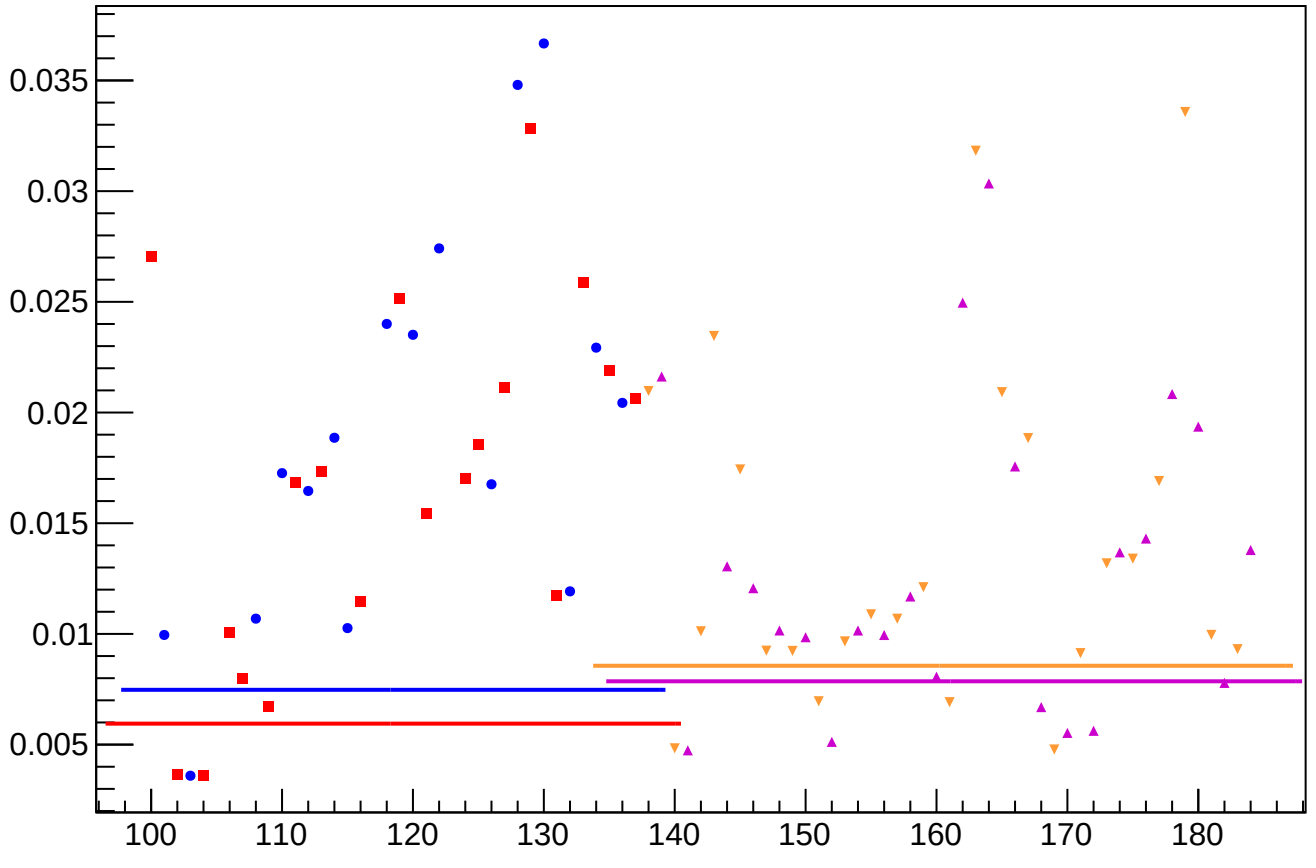
Left: -0.000+/-0.000 χ^2/NDF: 70.1/46

Right: -0.000+/-0.000 χ^2/NDF: 37.6/34

In: -0.000+/-0.000 χ^2/NDF:43.6/38

Out: -0.000+/-0.000 χ^2/NDF:62.9/42

All: -0.000+/-0.000 χ^2/NDF: 108.1/81



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:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14442207.5/46

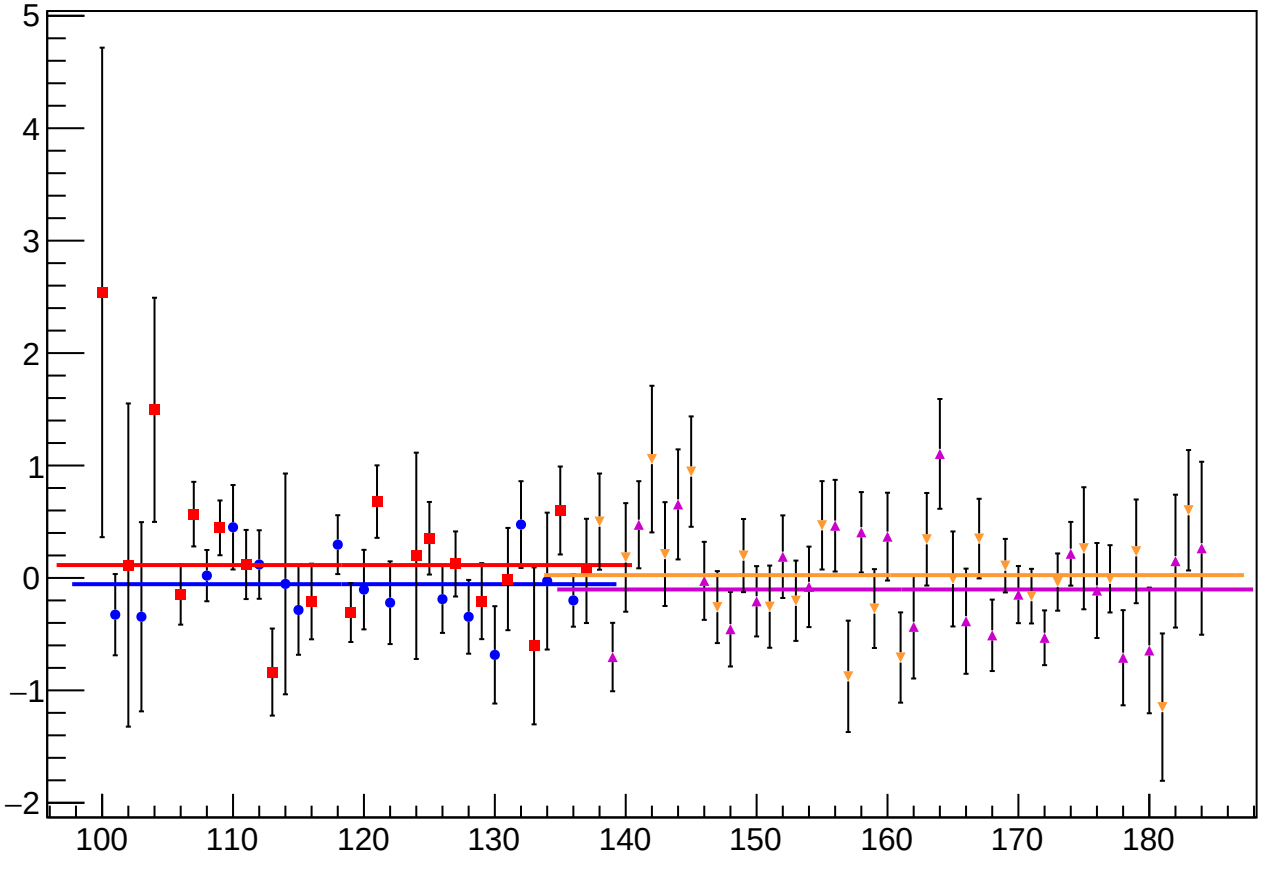
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:12871599.8/38

Out: 0.008+/-0.000 χ^2/NDF:14509919.7/42

All: 0.008+/-0.000 χ^2/NDF: 27392474.1/81

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: -0.103+/-0.076 χ^2/NDF:32.3/22

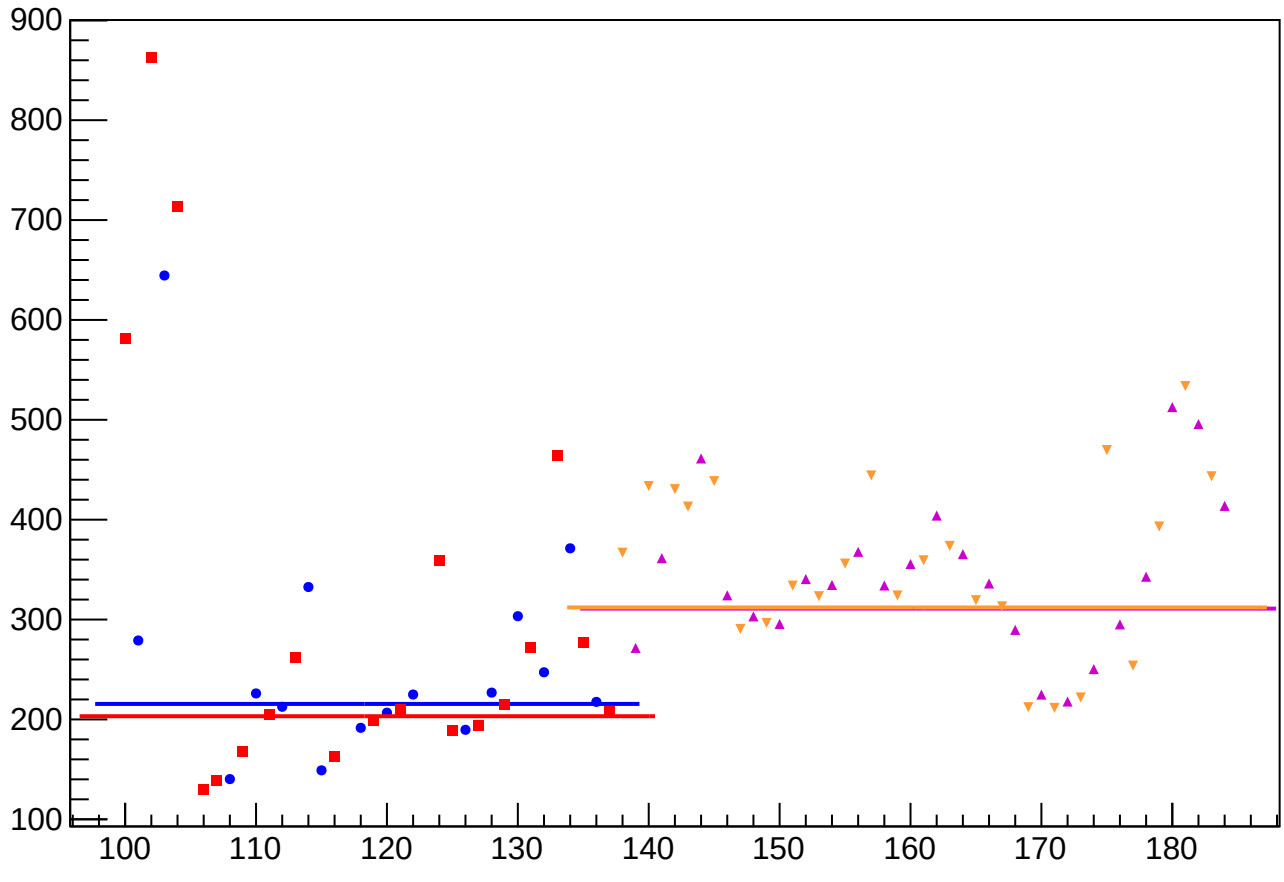
Left: -0.038+/-0.054 χ^2/NDF: 58.9/46

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.082+/-0.057 χ^2/NDF:43.1/38

Out: 0.065+/-0.056 χ^2/NDF:51.1/42

All: -0.007+/-0.040 χ^2/NDF: 97.6/81



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: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 311.534+/-0.038 χ^2/NDF: 3921049.5/46

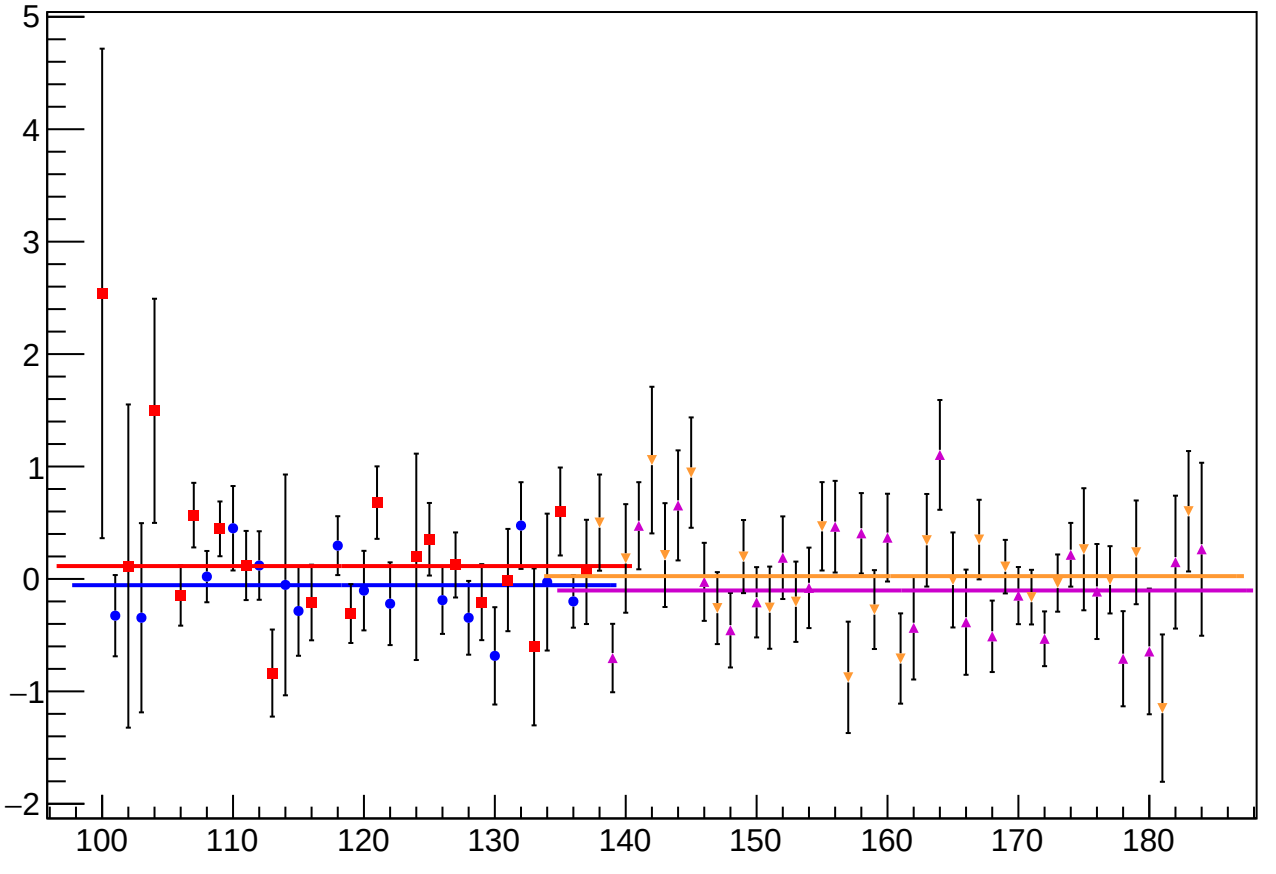
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 268.662+/-0.040 χ^2/NDF:4137833.7/38

Out: 262.857+/-0.040 χ^2/NDF:6031949.2/42

All: 265.711+/-0.028 χ^2/NDF: 10180362.2/81

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: -0.103+/-0.076 χ^2/NDF:32.3/22

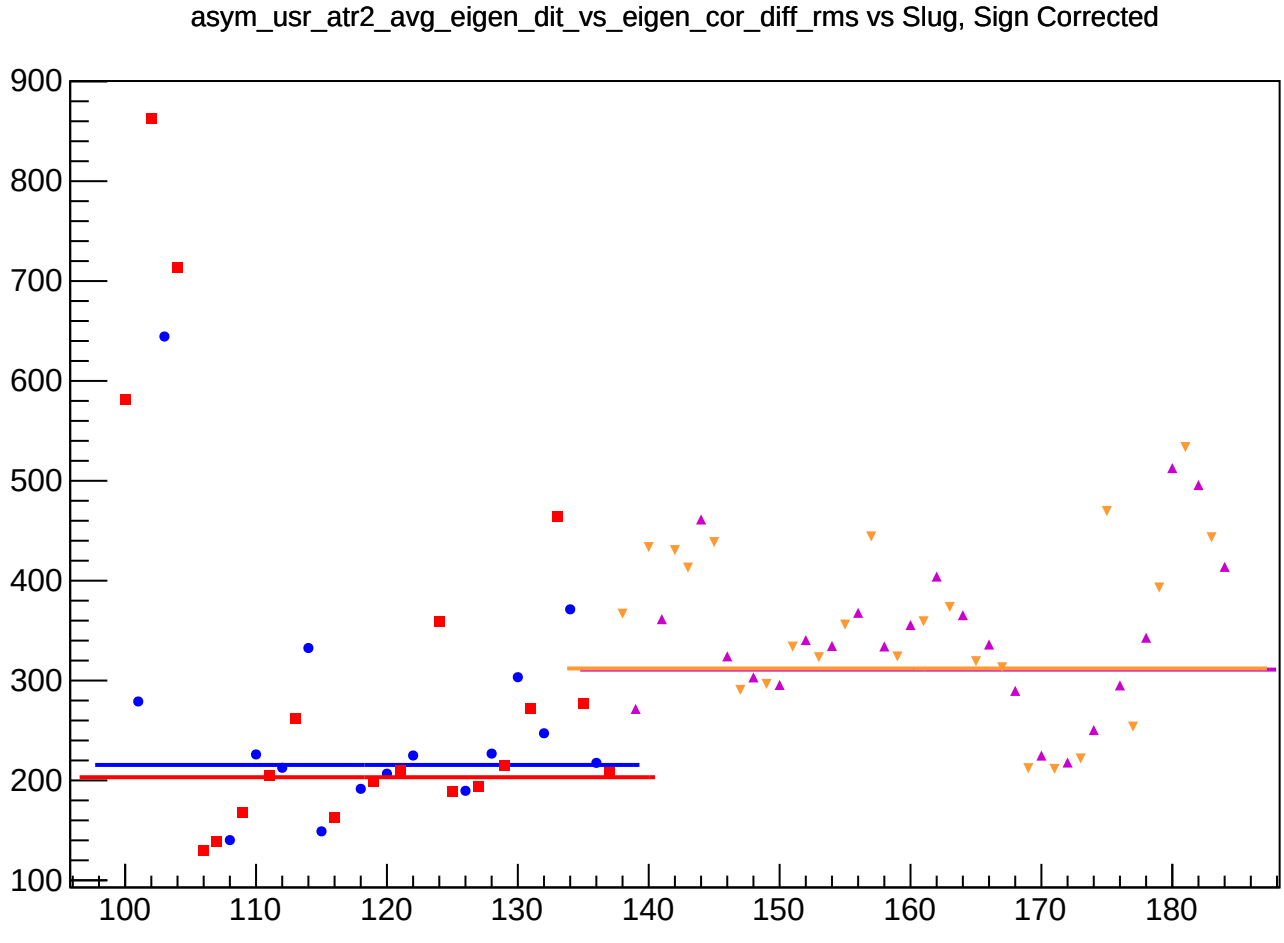
Left: -0.038+/-0.054 χ^2/NDF: 58.9/46

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.082+/-0.057 χ^2/NDF:43.1/38

Out: 0.065+/-0.056 χ^2/NDF:51.1/42

All: -0.007+/-0.040 χ^2/NDF: 97.6/81



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: 310.963+/-0.054 χ^2/NDF:1600401.1/22

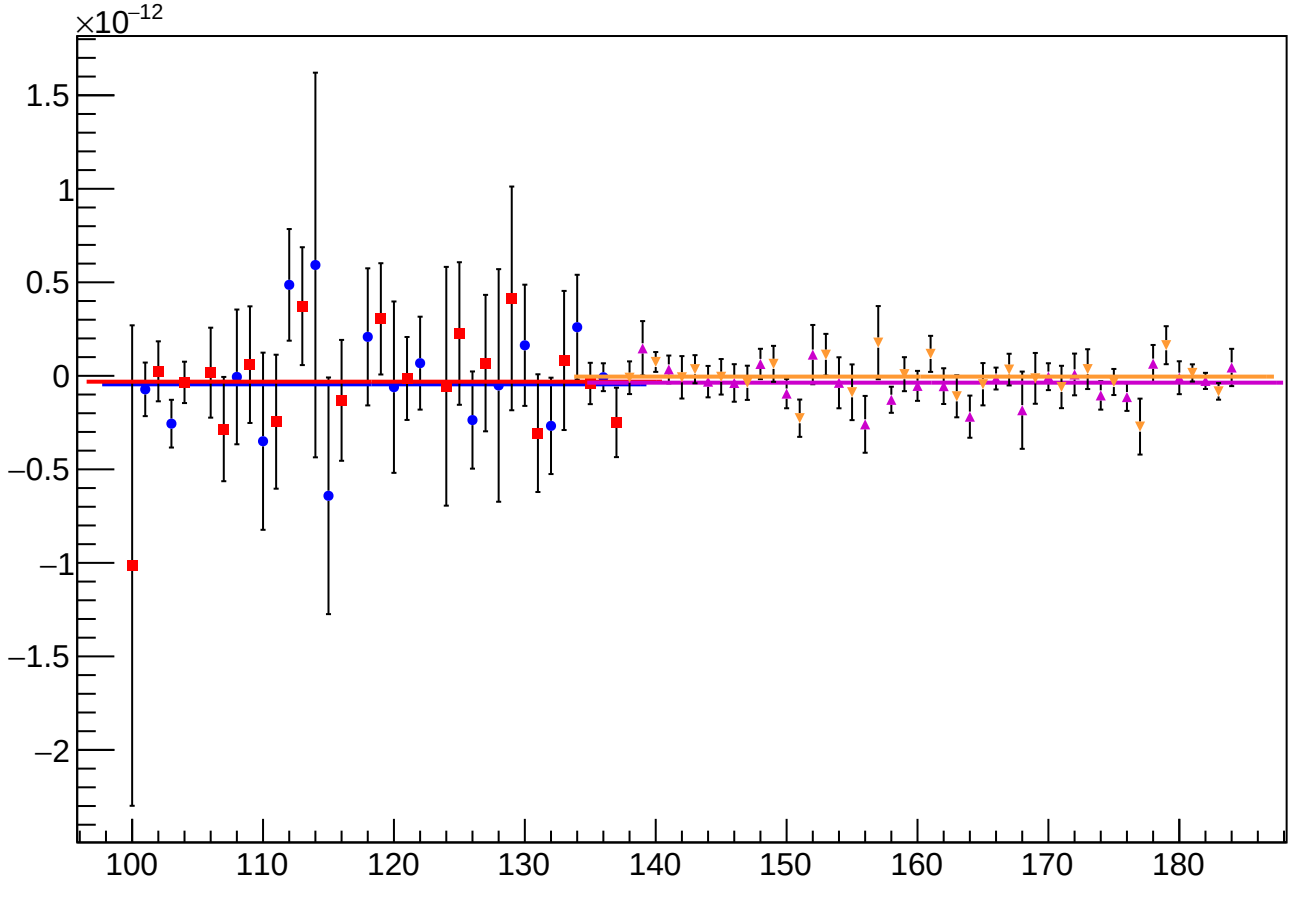
Left: 311.534+/-0.038 χ^2/NDF: 3921049.5/46

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 268.662+/-0.040 χ^2/NDF:4137833.7/38

Out: 262.857+/-0.040 χ^2/NDF:6031949.2/42

All: 265.711+/-0.028 χ^2/NDF: 10180362.2/81



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:16.7/22

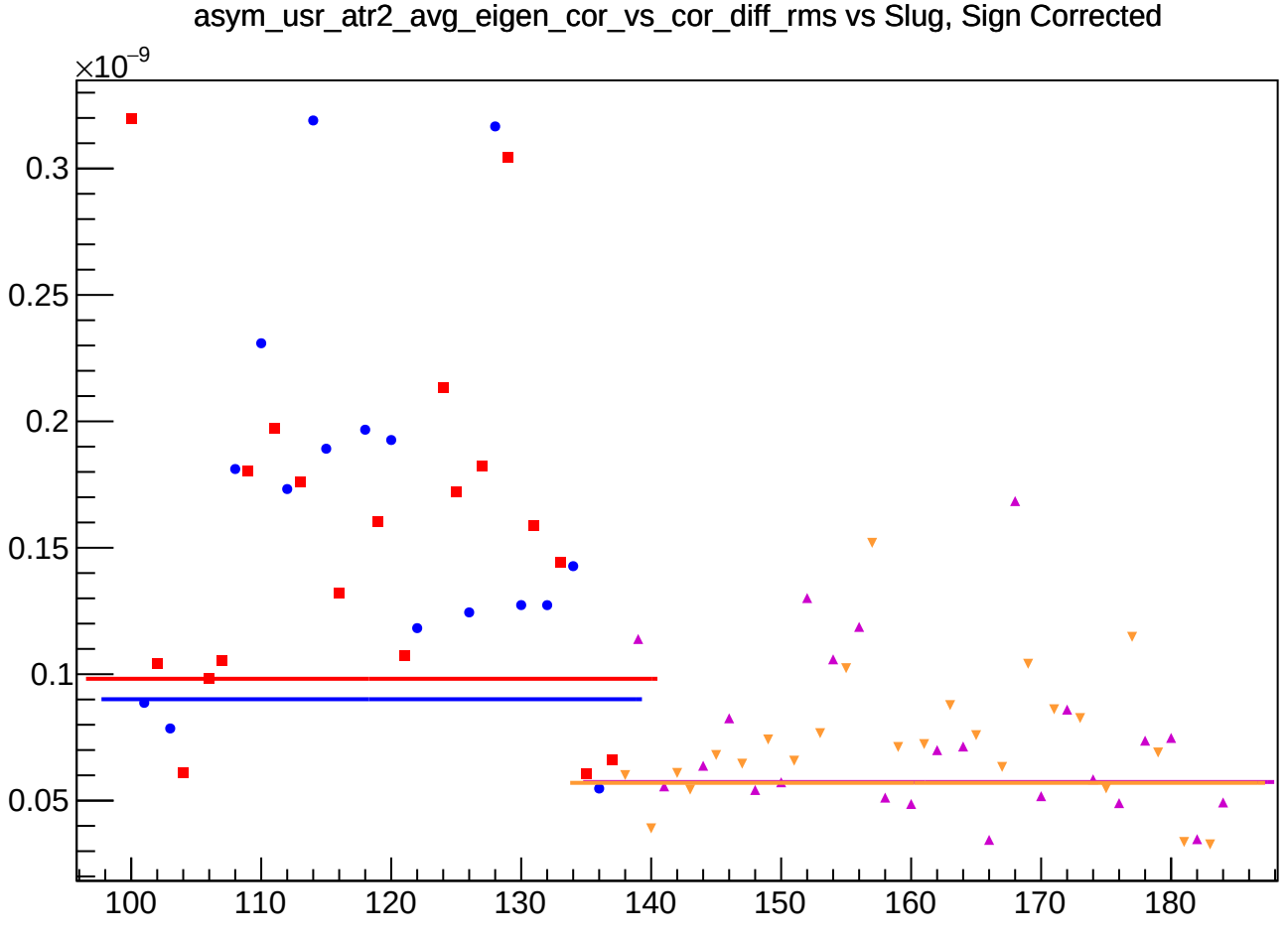
Left: -0.000+/-0.000 χ^2/NDF: 41.5/46

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:28.2/38

Out: -0.000+/-0.000 χ^2/NDF:31.6/42

All: -0.000+/-0.000 χ^2/NDF: 61.6/81



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:3299416.7/22

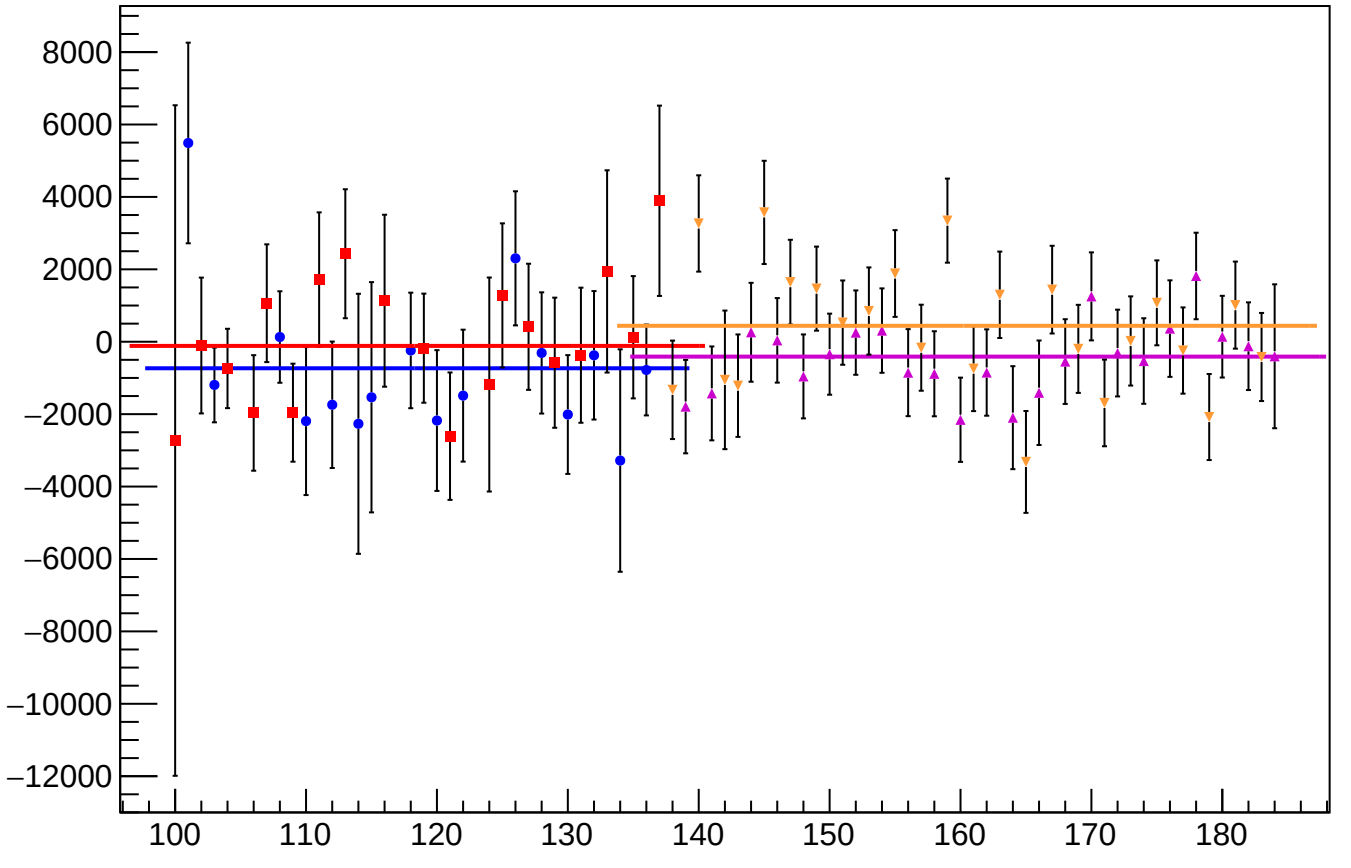
Left: 0.000+/-0.000 χ^2/NDF: 6621422.5/46

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:5872395.0/38

Out: 0.000+/-0.000 χ^2/NDF:6143532.2/42

All: 0.000+/-0.000 χ^2/NDF: 12015993.1/81



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: -411.262+/-257.201 χ^2/NDF:13.7/22

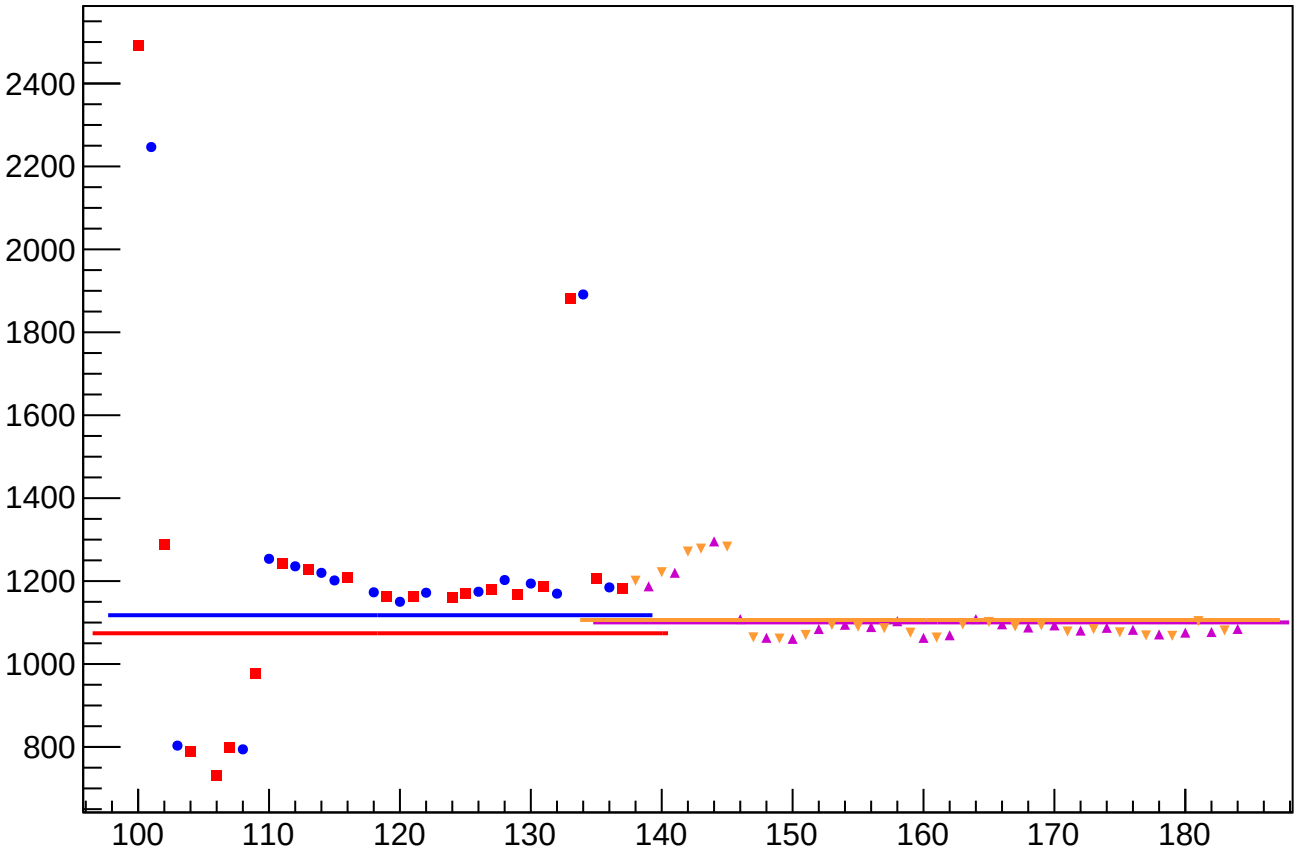
Left: 20.858+/-180.501 χ^2/NDF: 60.9/46

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -496.737+/-220.373 χ^2/NDF:25.8/38

Out: 287.544+/-215.747 χ^2/NDF:56.1/42

All: -96.280+/-154.166 χ^2/NDF: 88.4/81



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: 1100.350+/-0.182 χ^2/NDF:80240.5/22

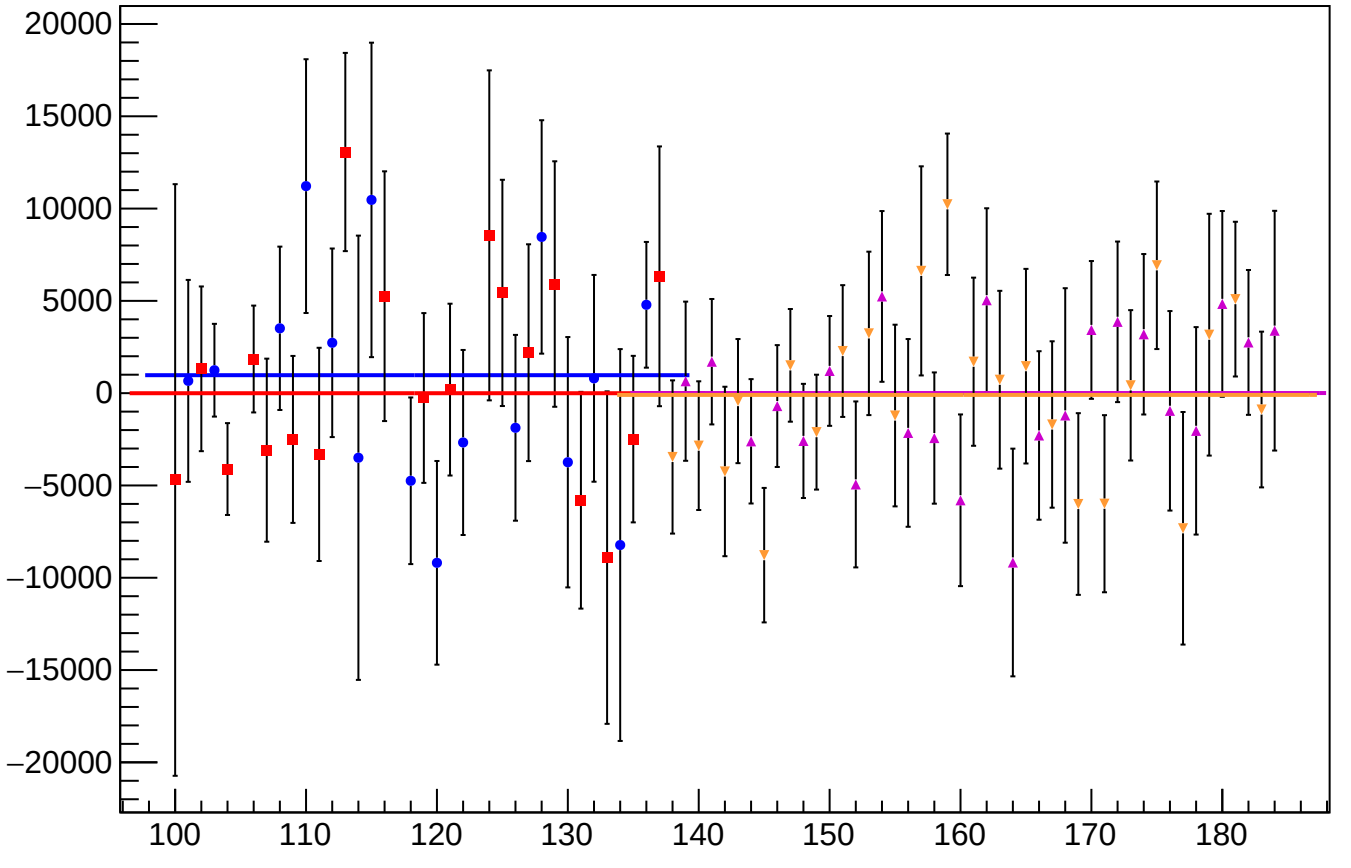
Left: 1103.288+/-0.128 χ^2/NDF: 201954.3/46

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1104.959+/-0.156 χ^2/NDF:902490.8/38

Out: 1097.236+/-0.152 χ^2/NDF:779580.8/42

All: 1101.007+/-0.109 χ^2/NDF: 1683328.4/81



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: 6.317+/-875.256 χ^2/NDF:14.0/22

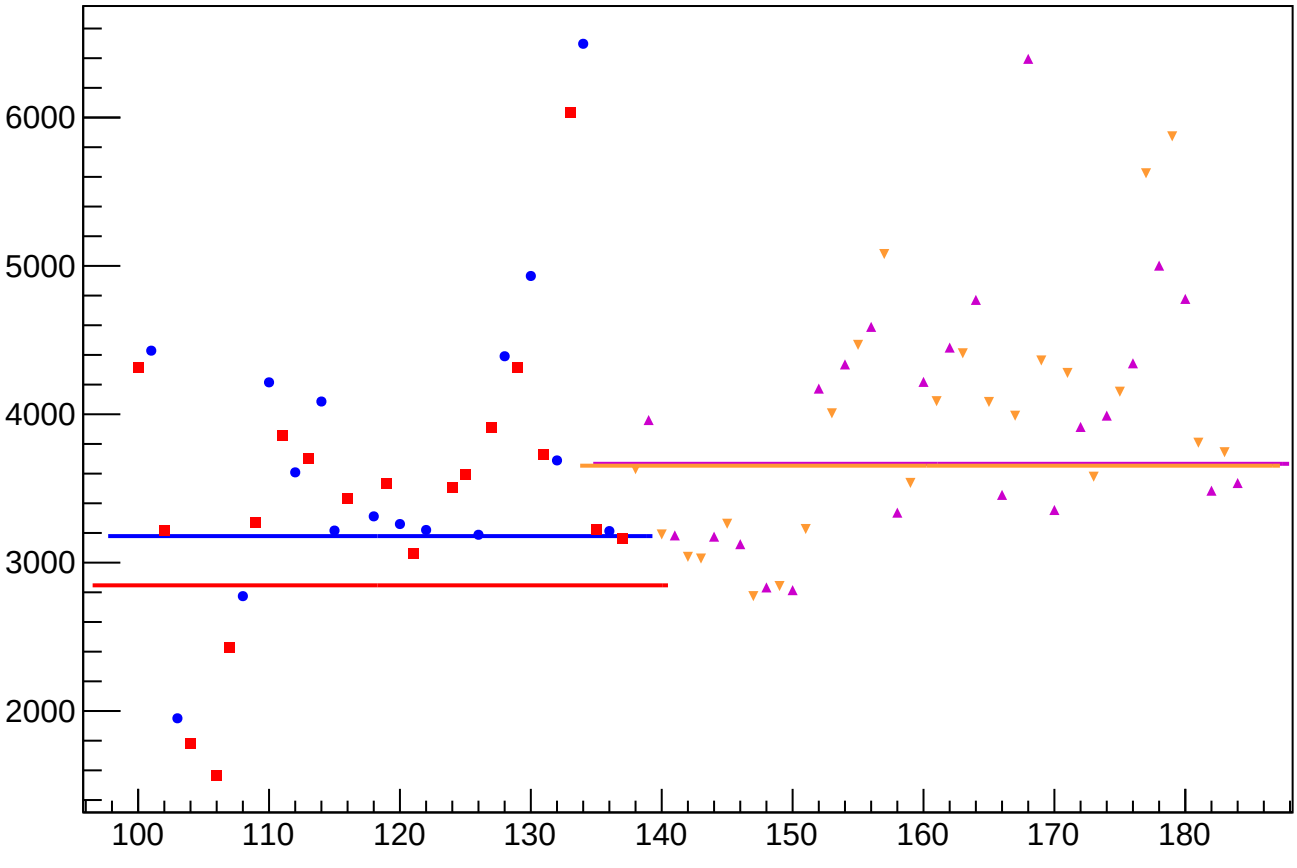
Left: -44.835+/-612.073 χ^2/NDF: 41.1/46

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 330.555+/-713.669 χ^2/NDF:28.2/38

Out: -60.026+/-678.864 χ^2/NDF:43.7/42

All: 125.508+/-491.873 χ^2/NDF: 72.1/81



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3653.502+/-0.605 χ^2/NDF:1311664.9/23

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

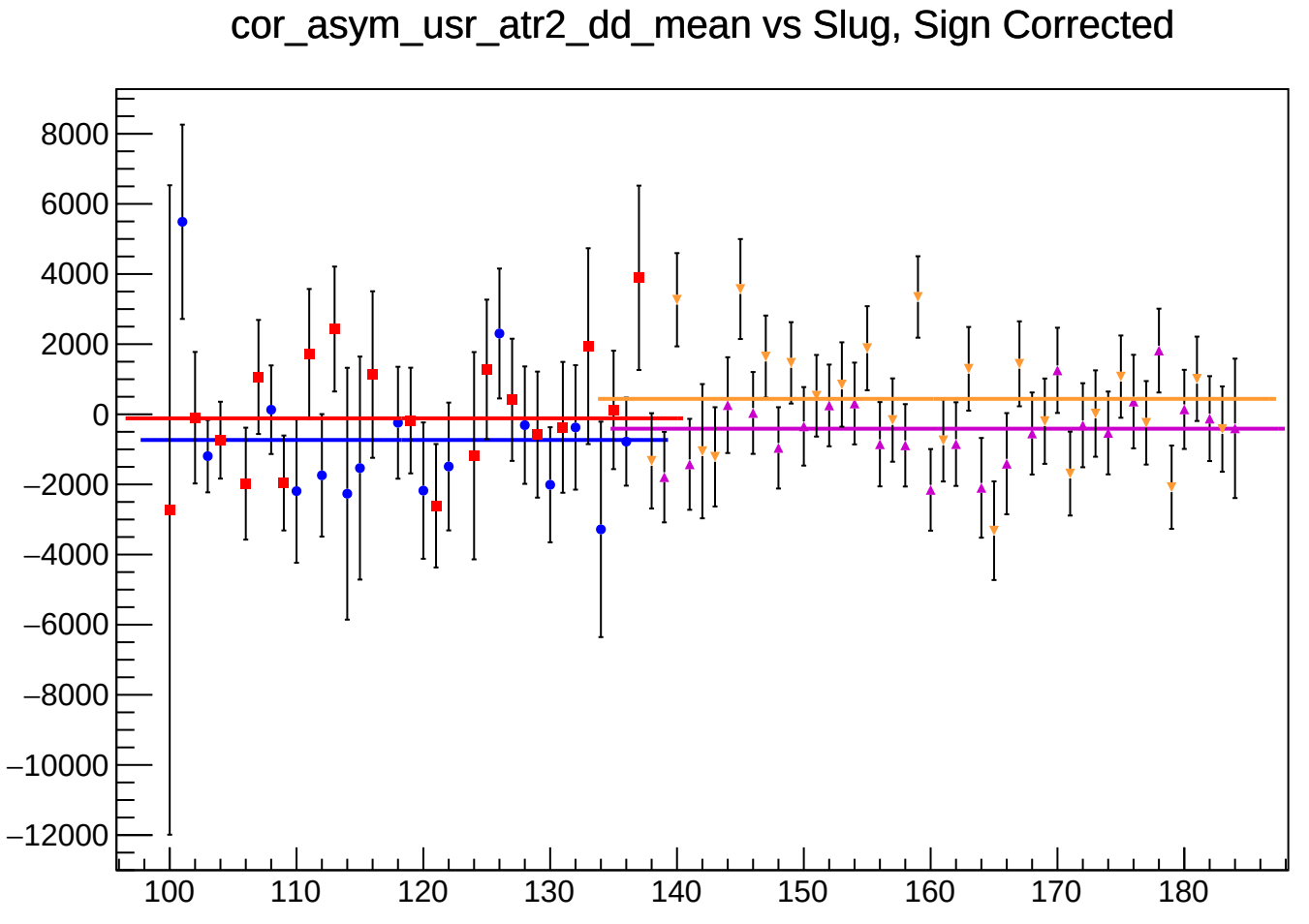
Left: 3659.672+/-0.433 χ^2/NDF: 2655586.5/46

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3502.816+/-0.505 χ^2/NDF:2643116.6/38

Out: 3353.950+/-0.480 χ^2/NDF:3481830.6/42

All: 3424.665+/-0.348 χ^2/NDF: 6170631.8/81



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: -411.165+/-257.201 χ^2/NDF:13.7/22

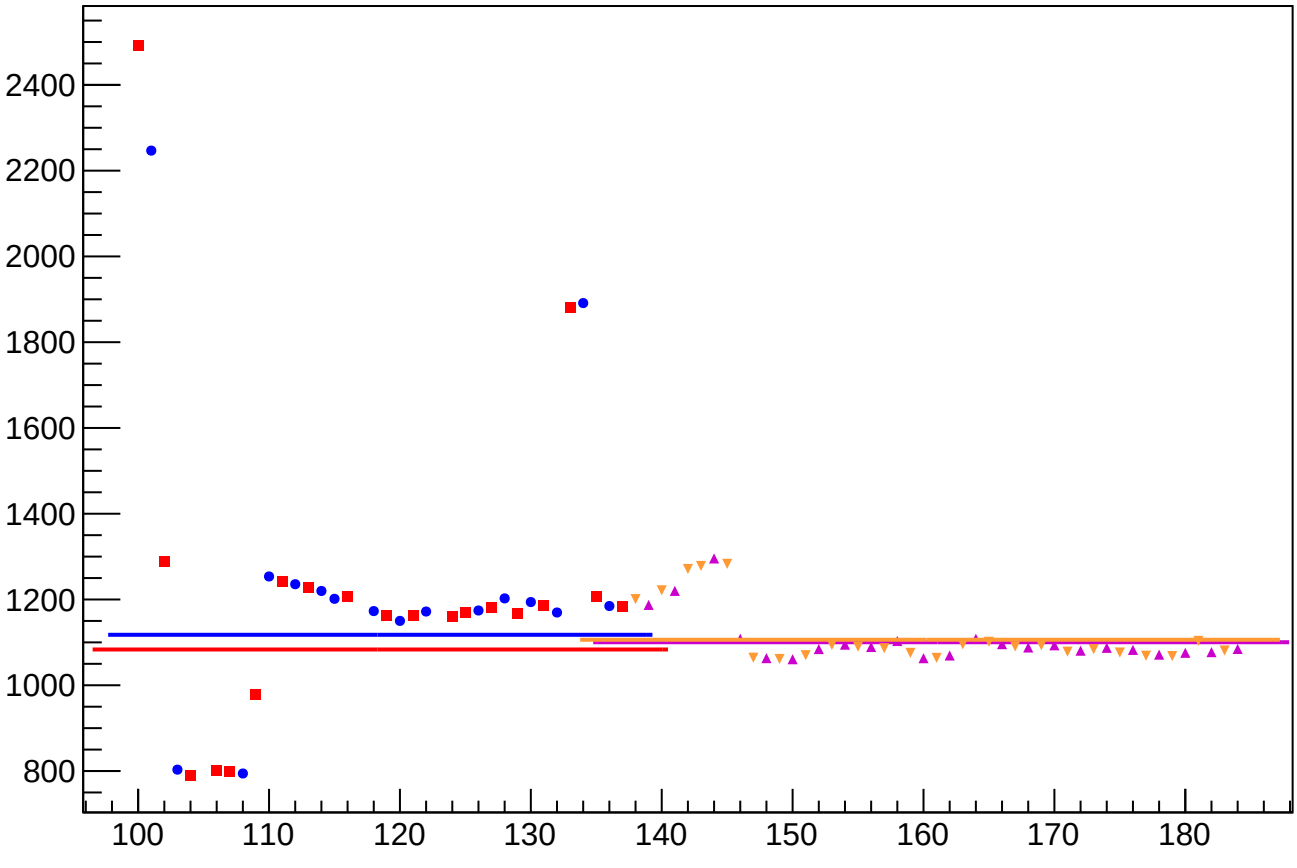
Left: 20.940+/-180.501 χ^2/NDF: 60.9/46

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -496.648+/-220.373 χ^2/NDF:25.8/38

Out: 287.521+/-215.748 χ^2/NDF:56.2/42

All: -96.249+/-154.166 χ^2/NDF: 88.4/81



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: 1100.350+/-0.182 χ^2/NDF:80240.5/22

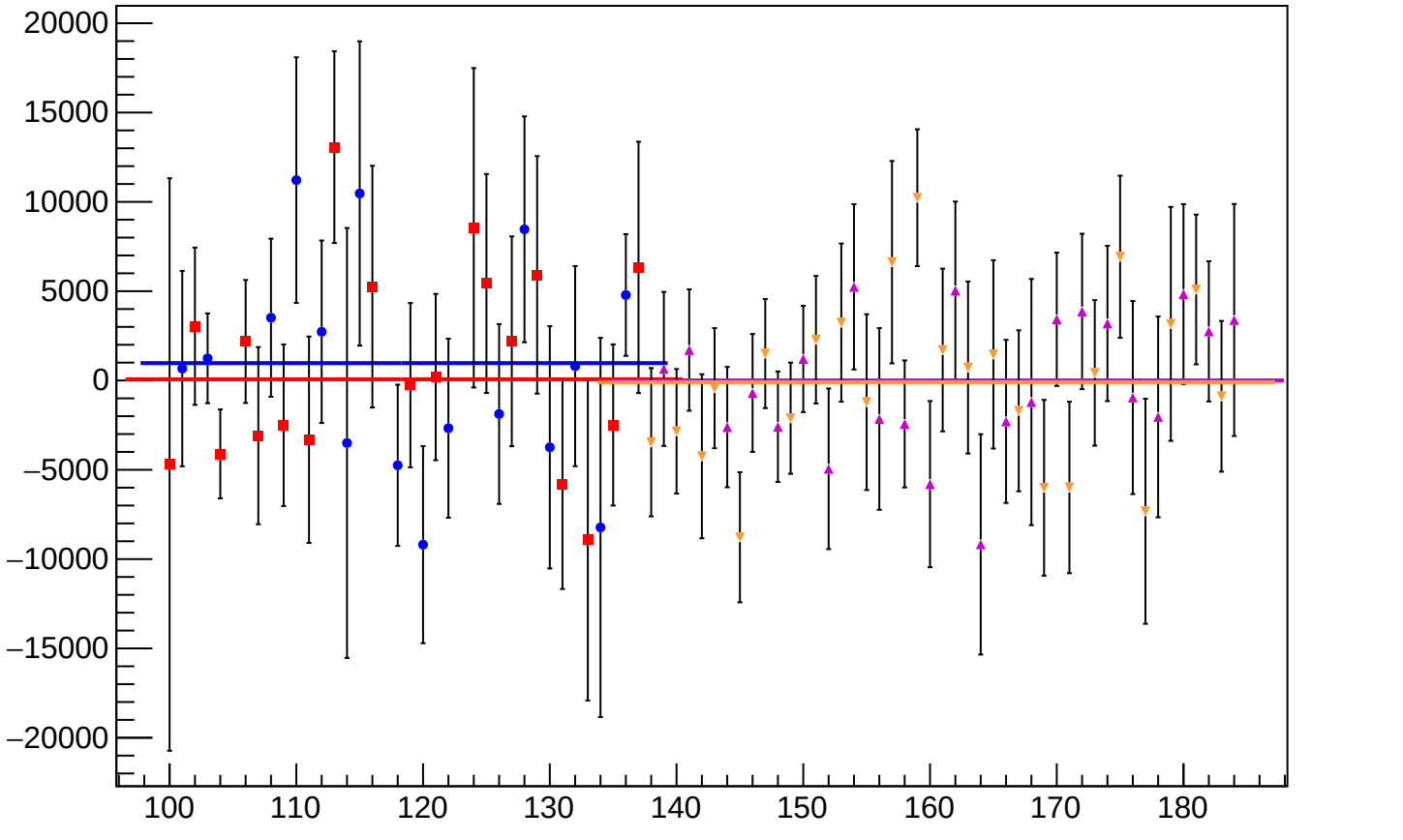
Left: 1103.288+/-0.128 χ^2/NDF: 201954.2/46

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1104.959+/-0.156 χ^2/NDF:902487.6/38

Out: 1099.875+/-0.152 χ^2/NDF:720649.4/42

All: 1102.362+/-0.109 χ^2/NDF: 1623680.7/81



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: 6.368+/-875.255 χ^2/NDF:14.0/22

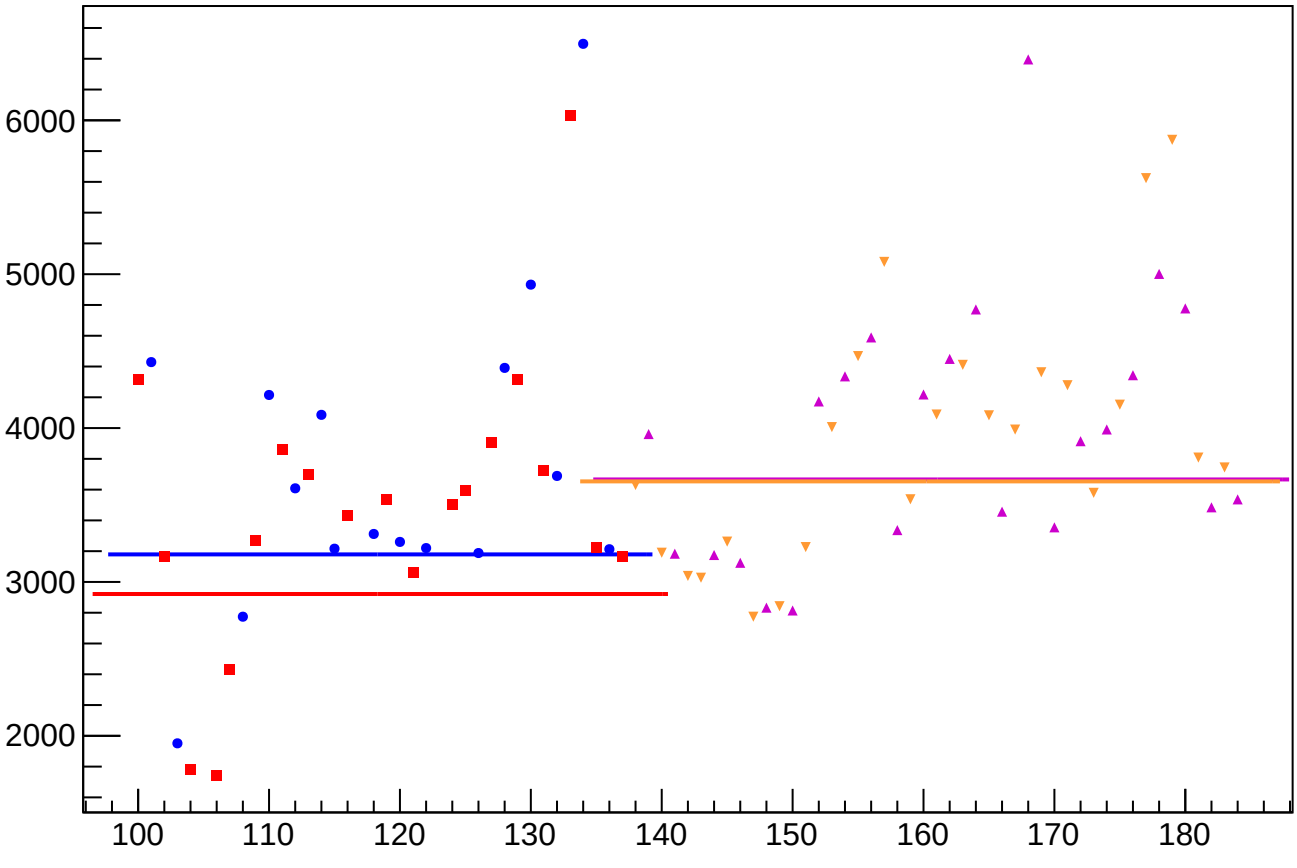
Left: -44.809+/-612.072 χ^2/NDF: 41.1/46

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 330.404+/-713.678 χ^2/NDF:28.2/38

Out: -35.618+/-684.187 χ^2/NDF:44.1/42

All: 139.674+/-493.890 χ^2/NDF: 72.4/81



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: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

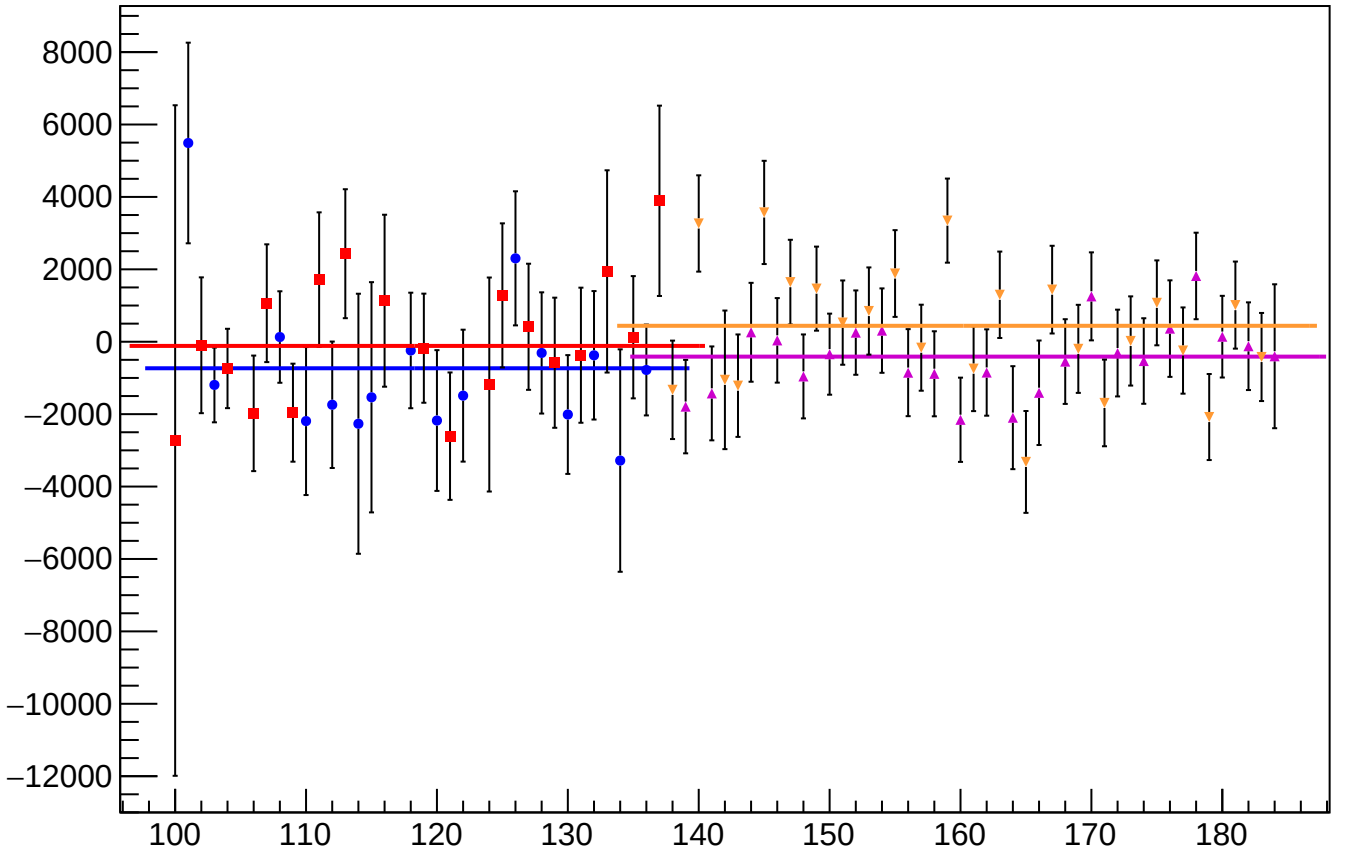
Left: 3659.668+/-0.433 χ^2/NDF: 2655596.4/46

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3502.884+/-0.505 χ^2/NDF:2642507.7/38

Out: 3388.909+/-0.484 χ^2/NDF:3152790.4/42

All: 3443.493+/-0.349 χ^2/NDF: 5821878.4/81



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: -411.165+/-257.201 χ^2/NDF:13.7/22

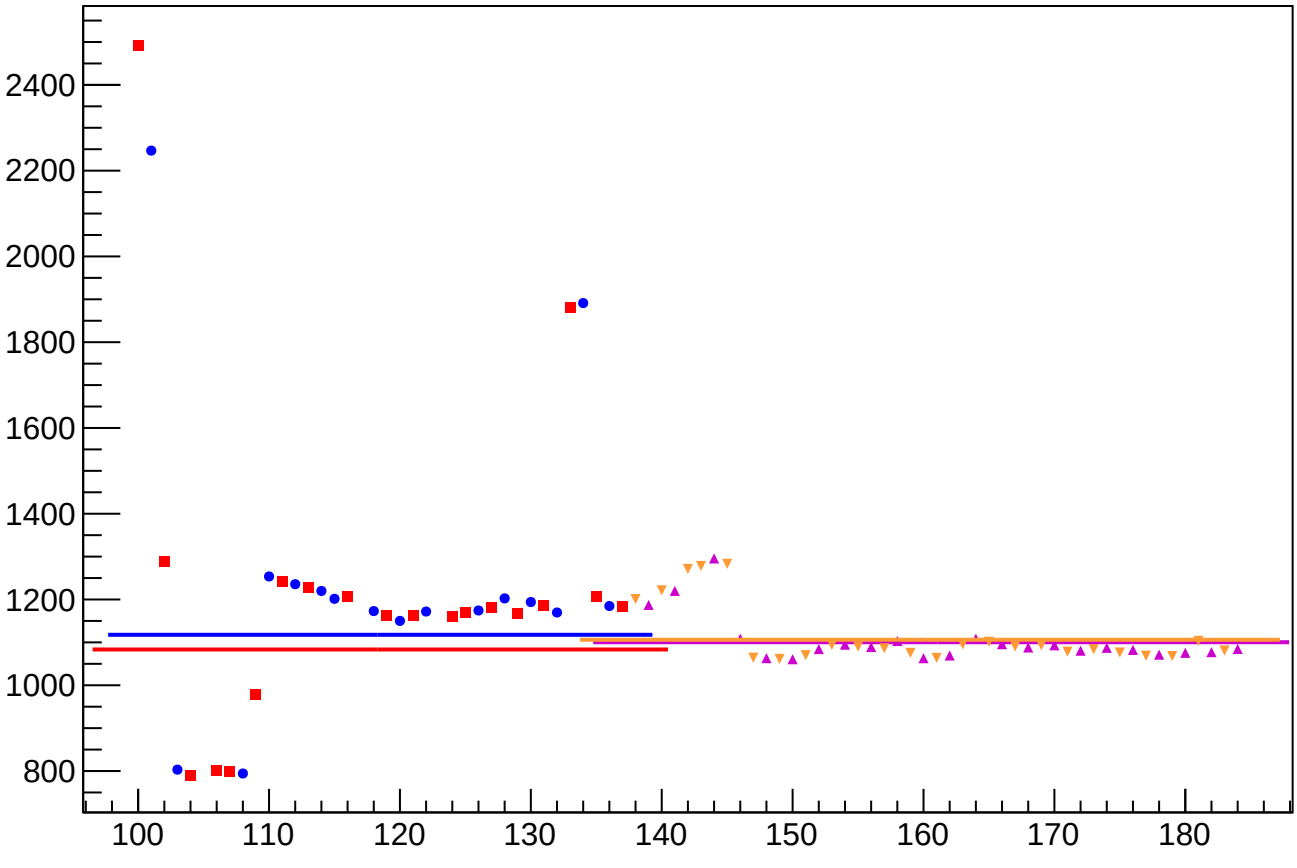
Left: 20.940+/-180.501 χ^2/NDF: 60.9/46

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -496.648+/-220.373 χ^2/NDF:25.8/38

Out: 287.521+/-215.748 χ^2/NDF:56.2/42

All: -96.249+/-154.166 χ^2/NDF: 88.4/81



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: 1100.350+/-0.182 χ^2/NDF:80240.5/22

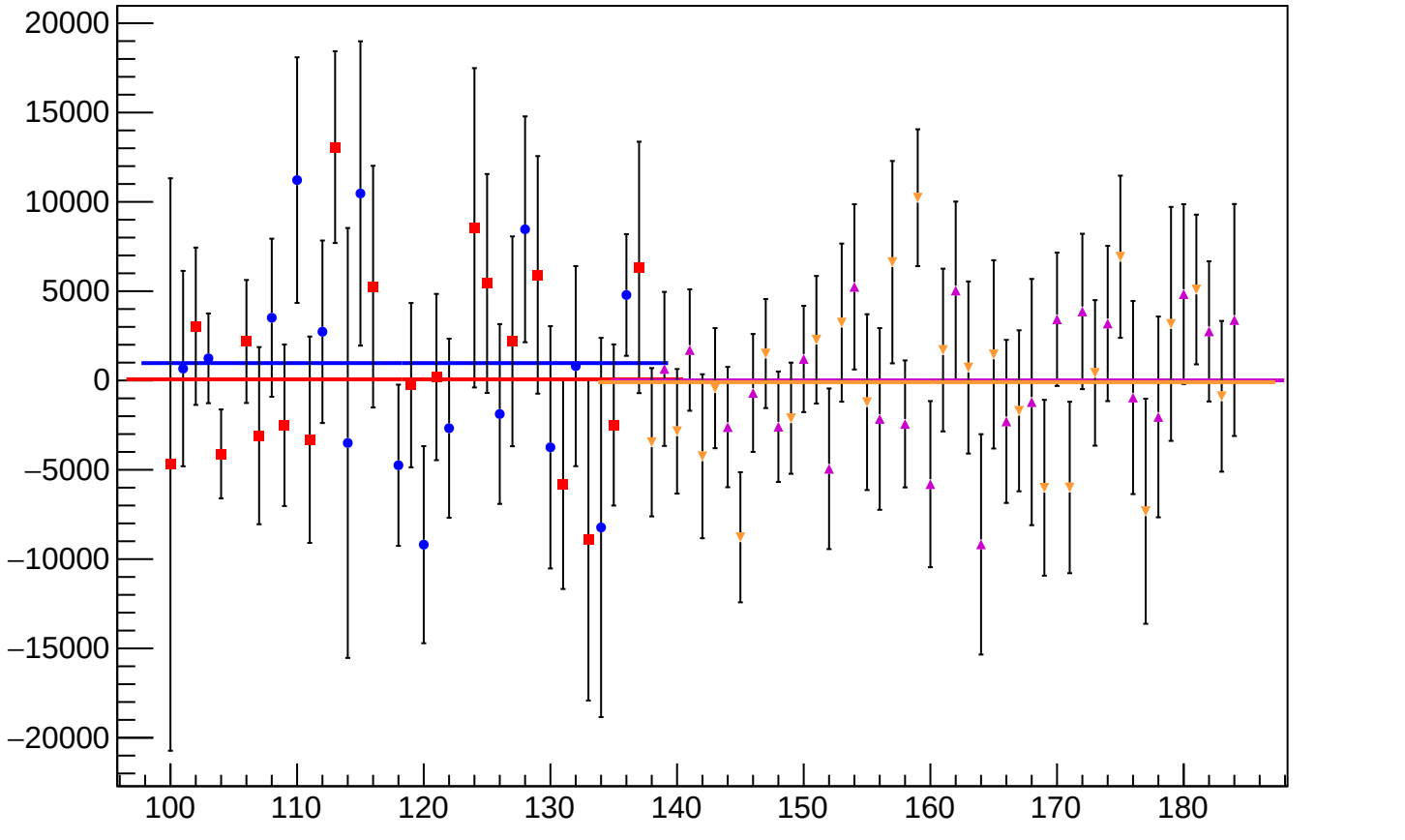
Left: 1103.288+/-0.128 χ^2/NDF: 201954.2/46

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1104.959+/-0.156 χ^2/NDF:902487.6/38

Out: 1099.875+/-0.152 χ^2/NDF:720649.4/42

All: 1102.362+/-0.109 χ^2/NDF: 1623680.7/81



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: 6.368+/-875.255 χ^2/NDF:14.0/22

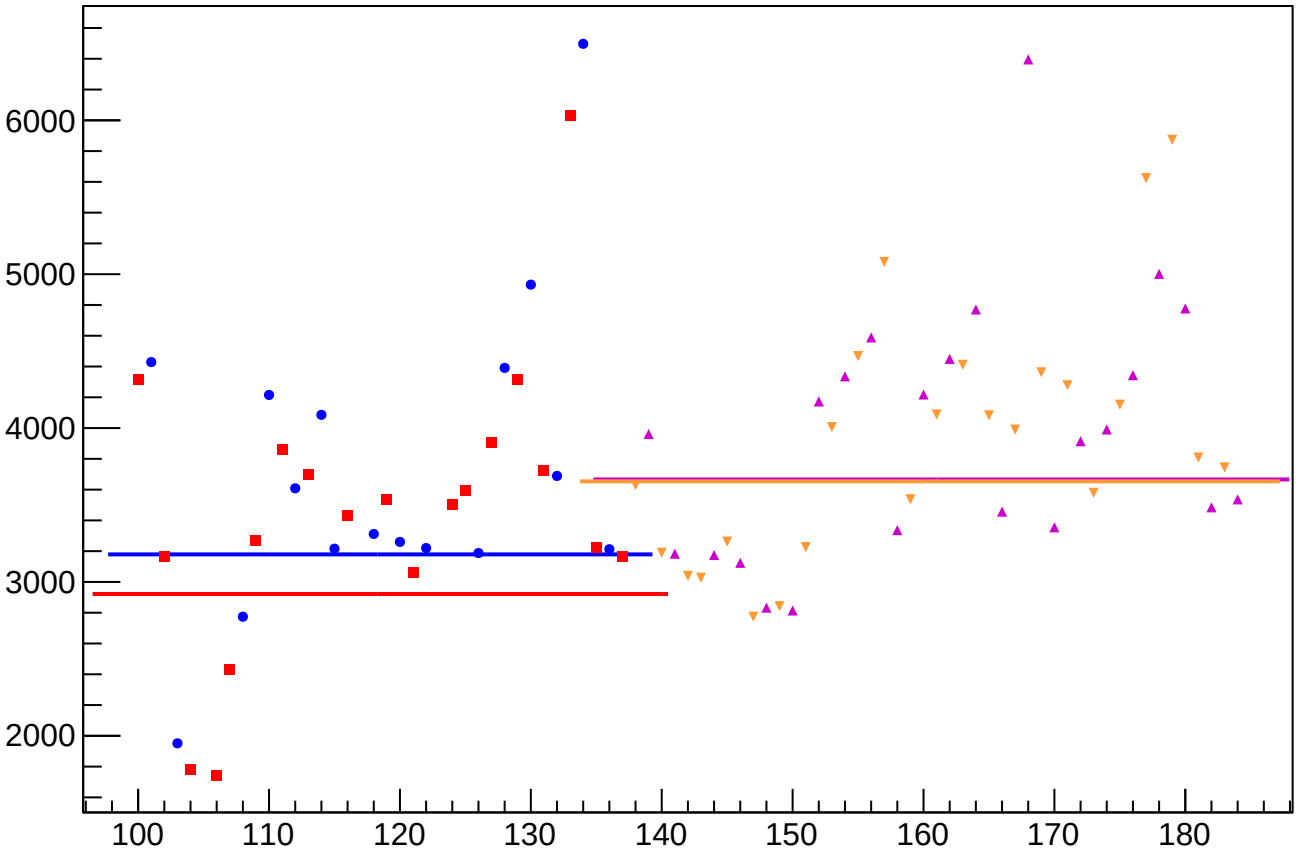
Left: -44.809+/-612.072 χ^2/NDF: 41.1/46

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 330.404+/-713.678 χ^2/NDF:28.2/38

Out: -35.618+/-684.187 χ^2/NDF:44.1/42

All: 139.674+/-493.890 χ^2/NDF: 72.4/81



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: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

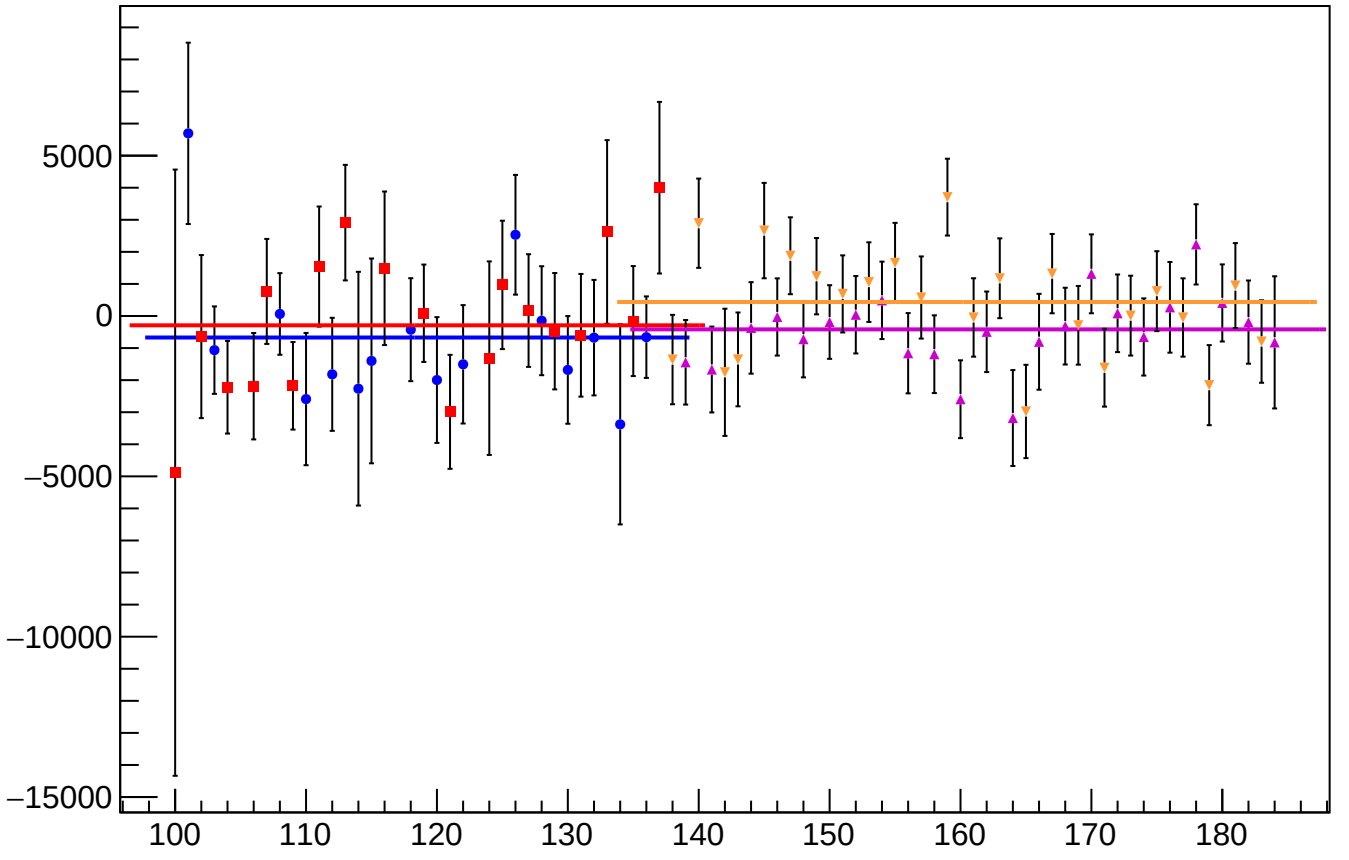
Left: 3659.668+/-0.433 χ^2/NDF: 2655596.4/46

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3502.884+/-0.505 χ^2/NDF:2642507.7/38

Out: 3388.909+/-0.484 χ^2/NDF:3152790.4/42

All: 3443.493+/-0.349 χ^2/NDF: 5821878.4/81



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: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 15.640+/-187.223 χ^2/NDF: 58.3/46

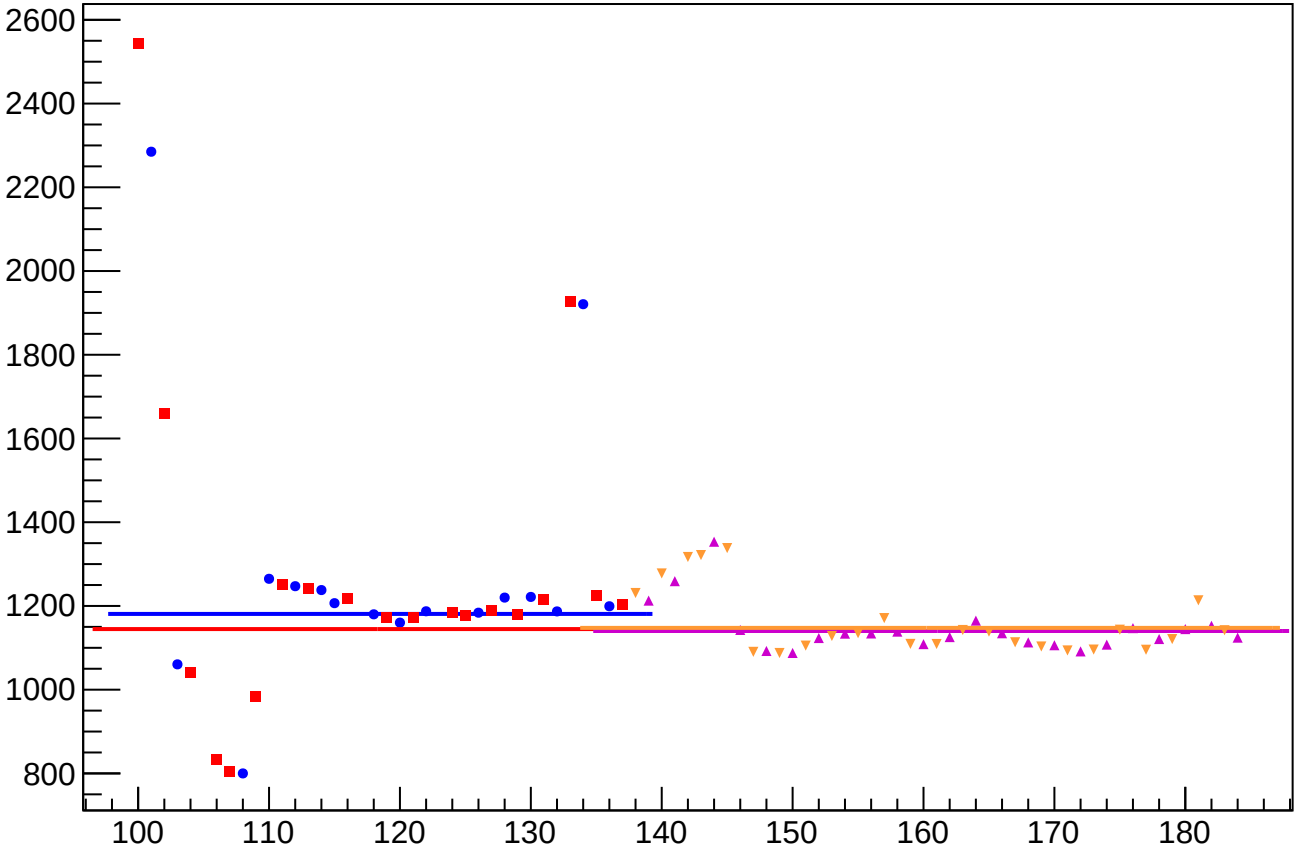
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -483.412+/-229.158 χ^2/NDF:29.4/38

Out: 241.875+/-224.983 χ^2/NDF:54.8/42

All: -114.101+/-160.543 χ^2/NDF: 89.3/81

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: 1140.168+/-0.189 χ^2/NDF:84737.4/22

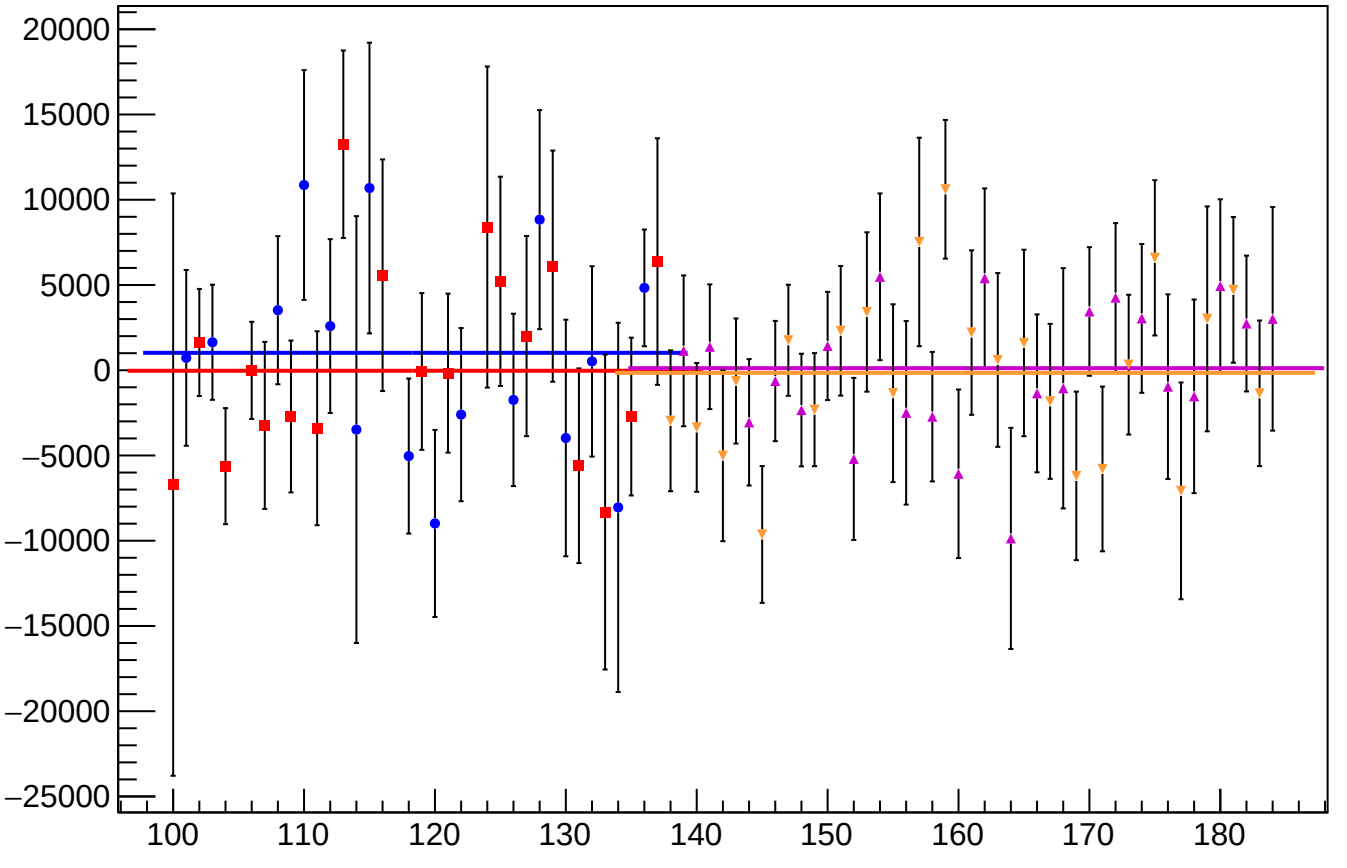
Left: 1143.939+/-0.132 χ^2/NDF: 224642.1/46

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1150.816+/-0.162 χ^2/NDF:718838.7/38

Out: 1146.850+/-0.159 χ^2/NDF:636907.7/42

All: 1148.796+/-0.114 χ^2/NDF: 1356051.4/81



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: 121.051+/-915.714 χ^2/NDF:13.8/22

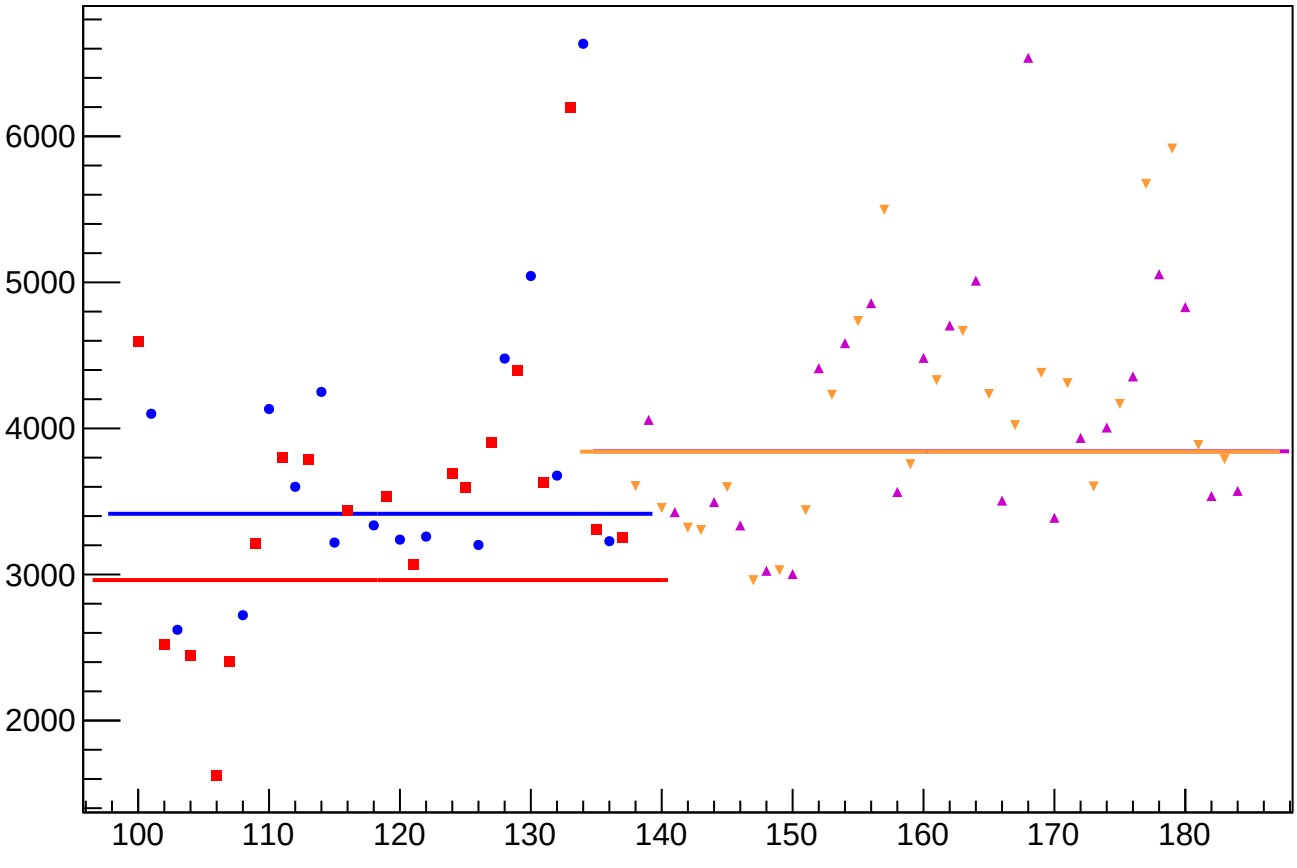
Left: -19.063+/-641.036 χ^2/NDF: 40.3/46

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 418.770+/-749.097 χ^2/NDF:28.0/38

Out: -105.938+/-703.062 χ^2/NDF:42.6/42

All: 139.799+/-512.642 χ^2/NDF: 70.8/81



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: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

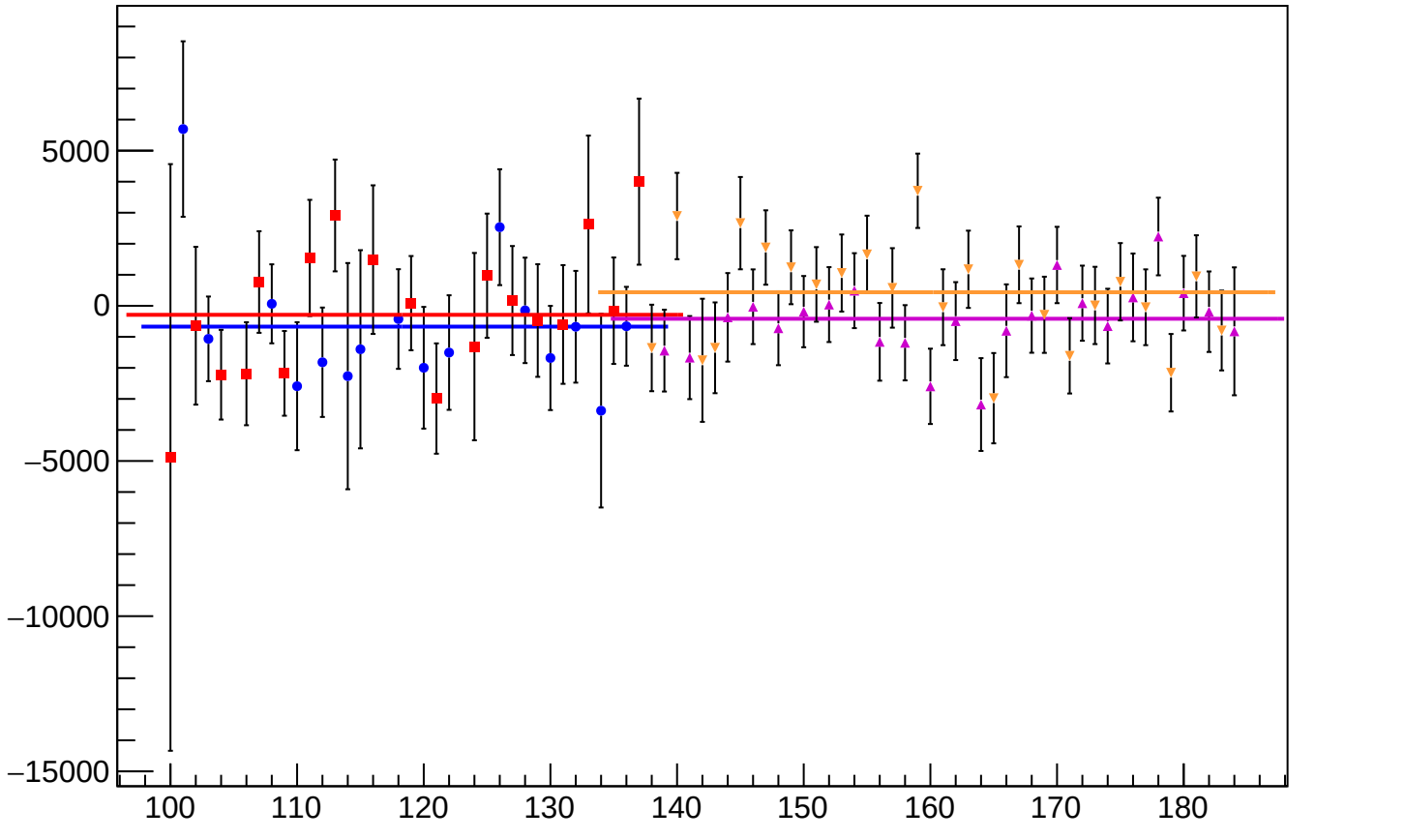
Left: 3842.129+/-0.453 χ^2/NDF: 2314727.3/46

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3701.834+/-0.530 χ^2/NDF:1932753.7/38

Out: 3501.088+/-0.497 χ^2/NDF:3029574.8/42

All: 3595.103+/-0.362 χ^2/NDF: 5038692.3/81



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: -417.201+/-266.583 χ^2/NDF:17.3/22

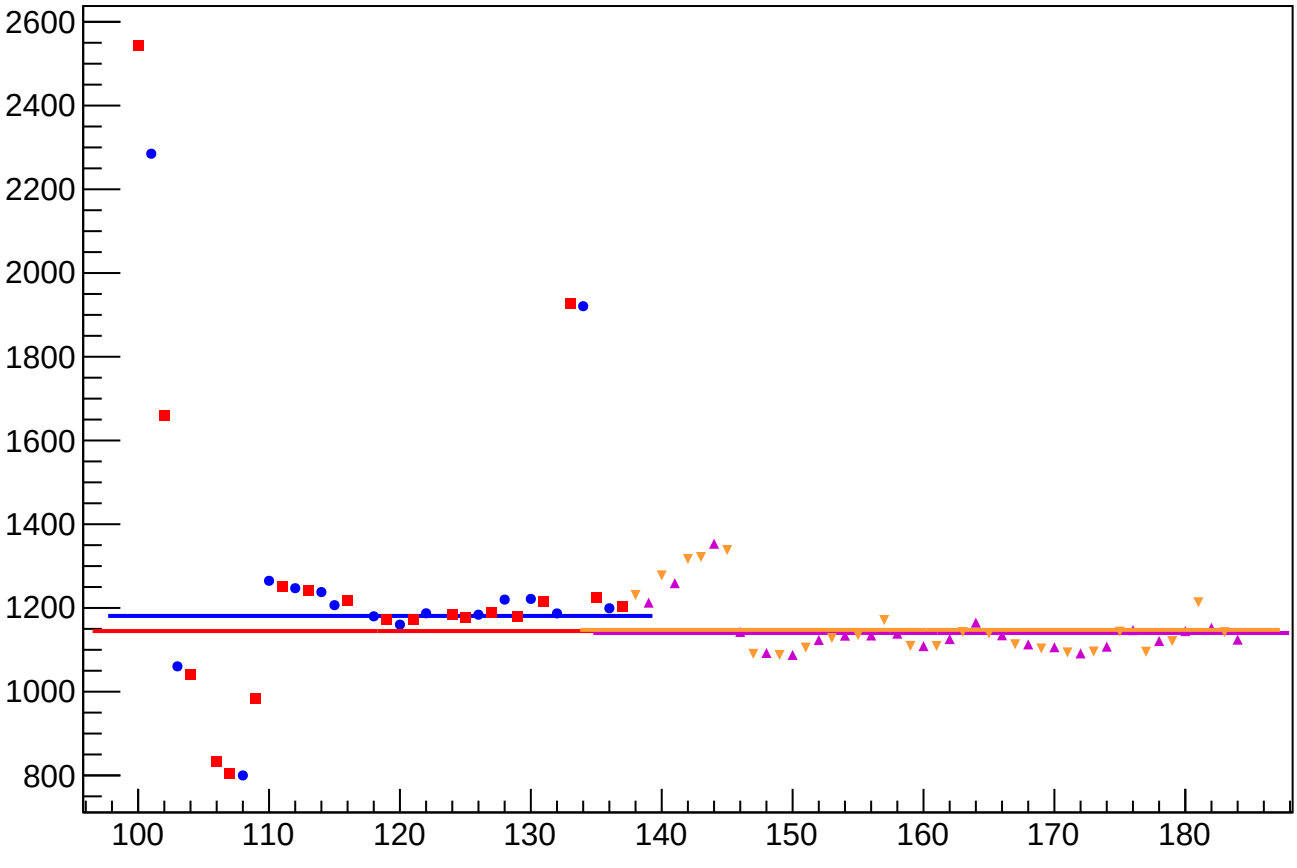
Left: 15.643+/-187.223 χ^2/NDF: 58.3/46

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -483.413+/-229.158 χ^2/NDF:29.4/38

Out: 241.877+/-224.983 χ^2/NDF:54.8/42

All: -114.100+/-160.543 χ^2/NDF: 89.3/81



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: 1140.169+/-0.189 χ^2/NDF:84737.2/22

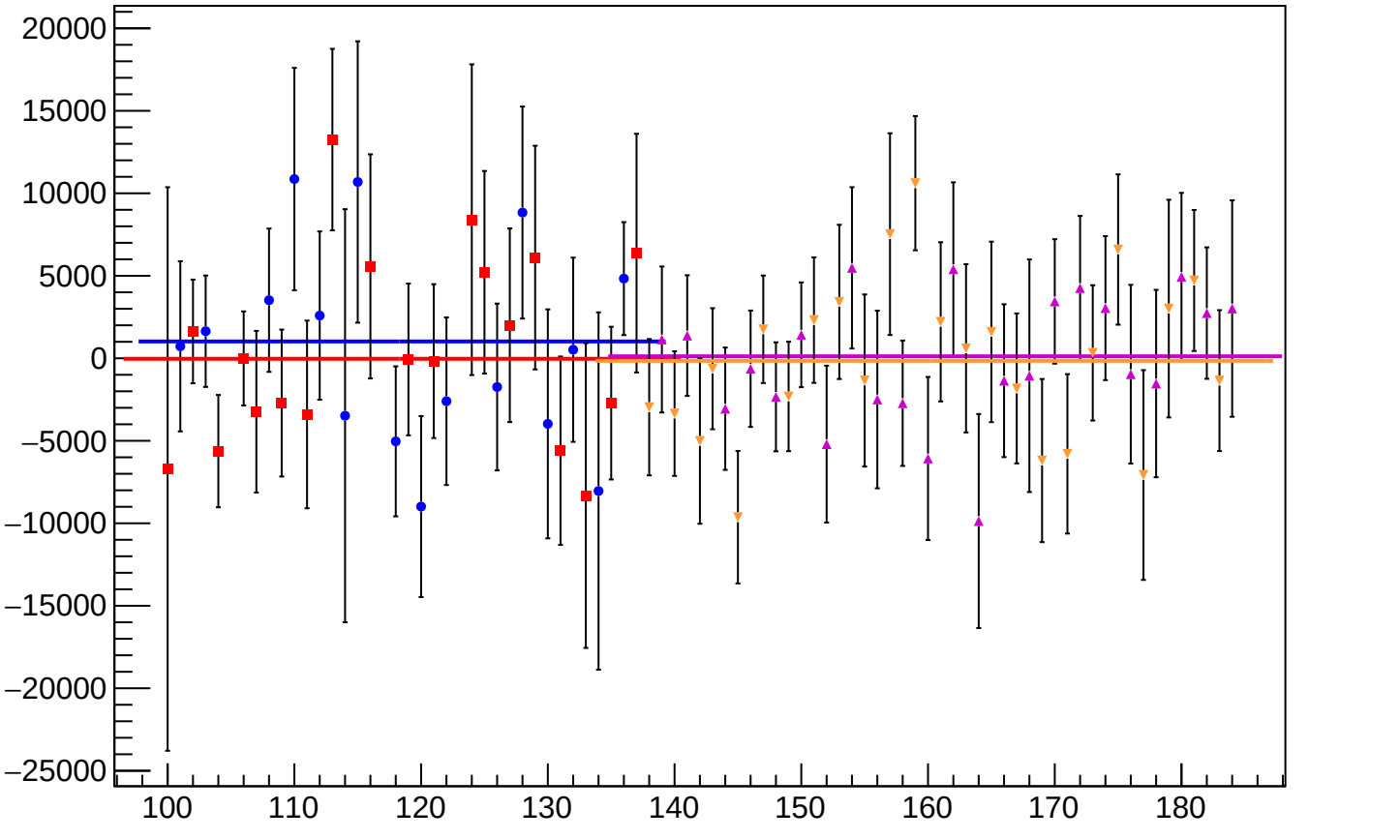
Left: 1143.940+/-0.132 χ^2/NDF: 224641.8/46

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1150.817+/-0.162 χ^2/NDF:718838.2/38

Out: 1146.850+/-0.159 χ^2/NDF:636907.3/42

All: 1148.797+/-0.114 χ^2/NDF: 1356050.6/81



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: 121.054+/-915.716 χ^2/NDF:13.8/22

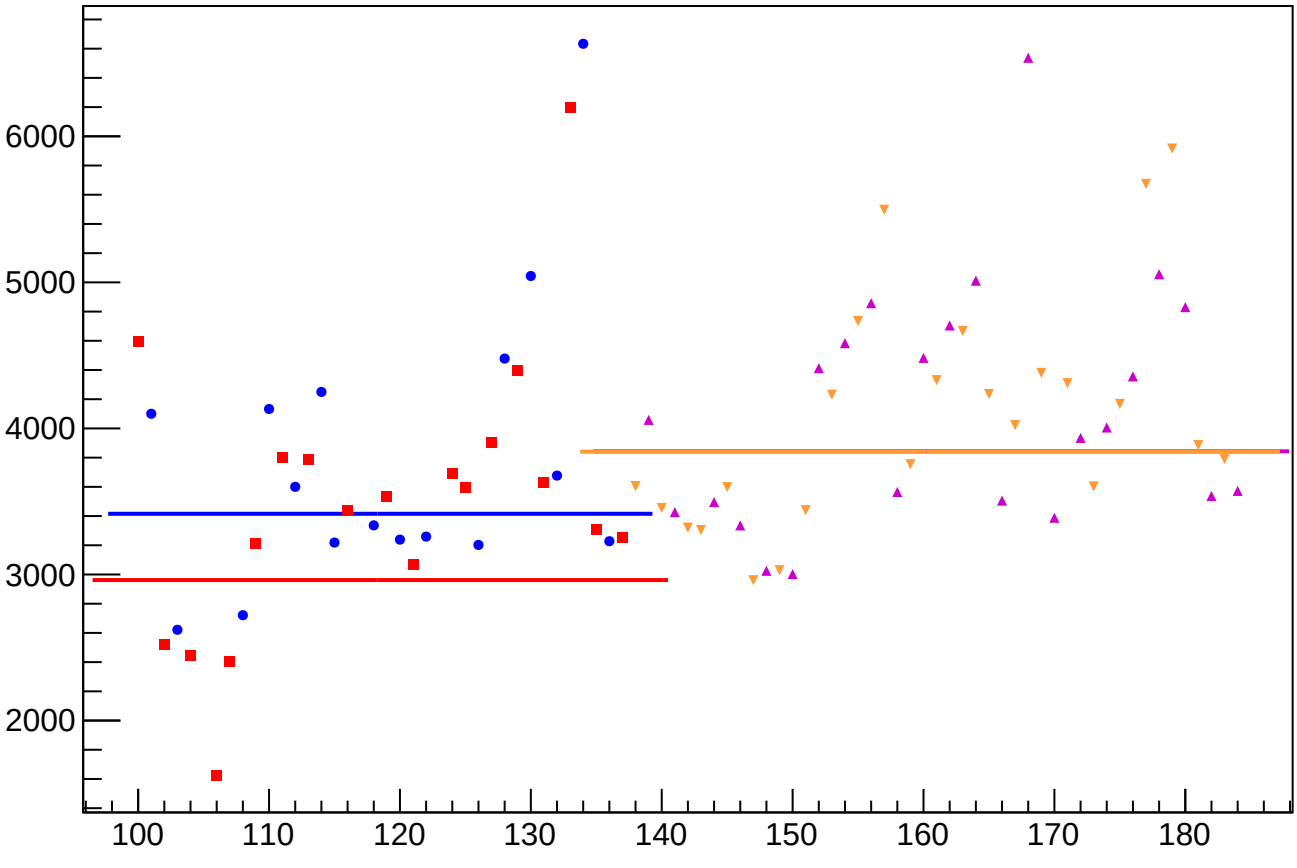
Left: -19.061+/-641.037 χ^2/NDF: 40.3/46

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 418.767+/-749.097 χ^2/NDF:28.0/38

Out: -105.940+/-703.062 χ^2/NDF:42.6/42

All: 139.797+/-512.642 χ^2/NDF: 70.8/81



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: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

Left: 3842.134+/-0.453 χ^2/NDF: 2314732.8/46

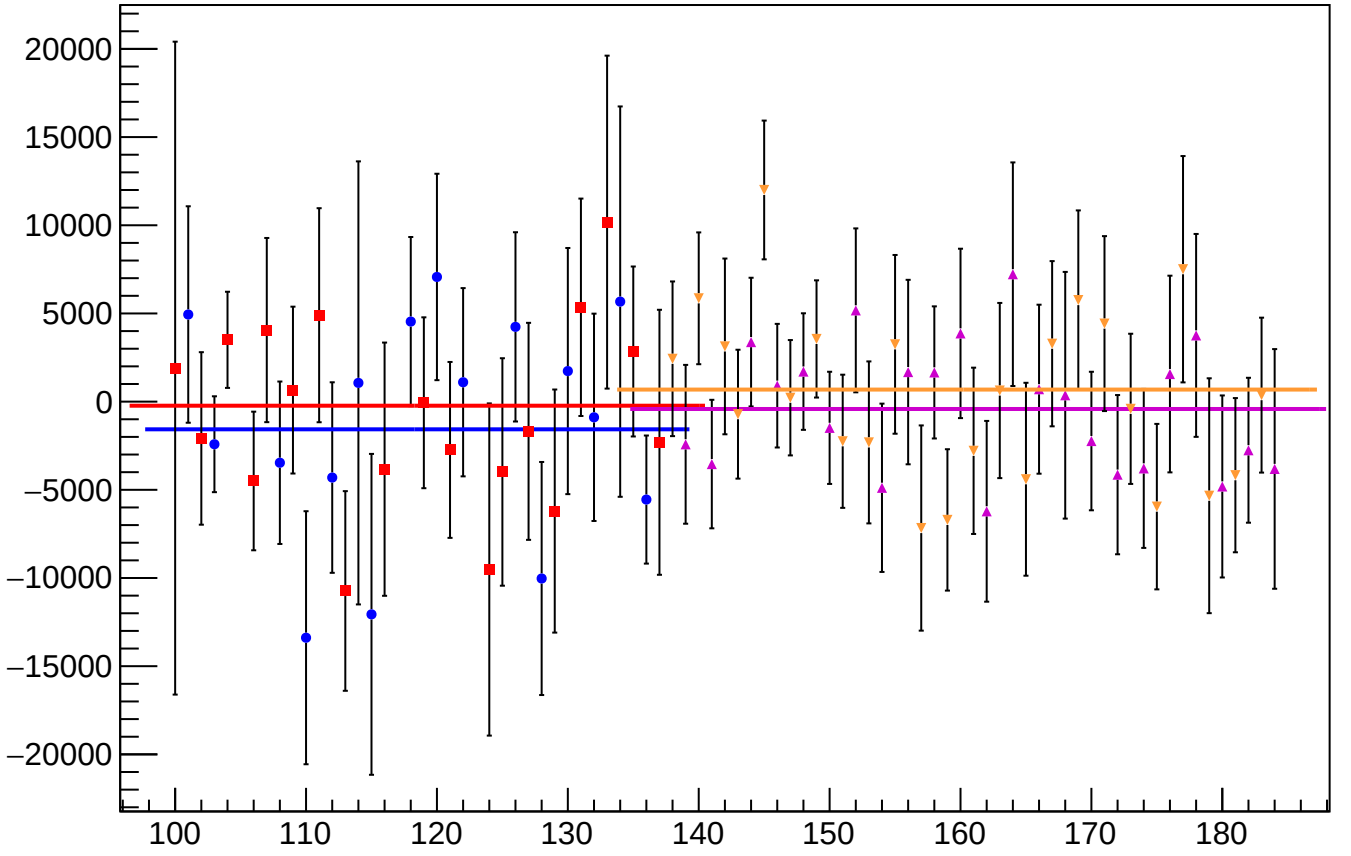
Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3701.835+/-0.530 χ^2/NDF:1932758.4/38

Out: 3501.088+/-0.497 χ^2/NDF:3029594.1/42

All: 3595.104+/-0.362 χ^2/NDF: 5038717.5/81

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 683.765+/-901.200 χ^2/NDF:26.5/23

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 144.246+/-643.448 χ^2/NDF: 39.8/46

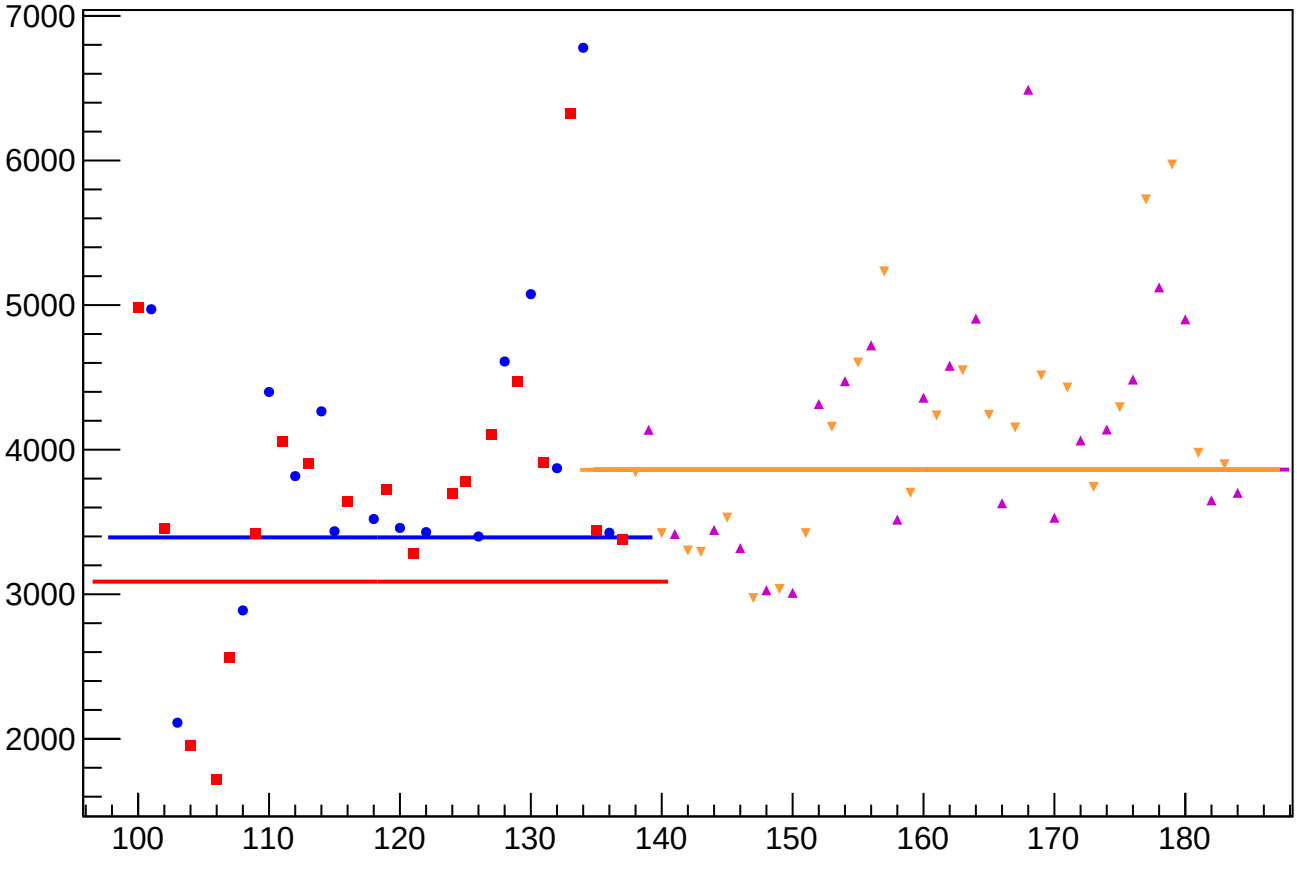
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -795.952+/-752.892 χ^2/NDF:27.5/38

Out: 362.259+/-725.779 χ^2/NDF:40.1/42

All: -195.616+/-522.526 χ^2/NDF: 68.8/81

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: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

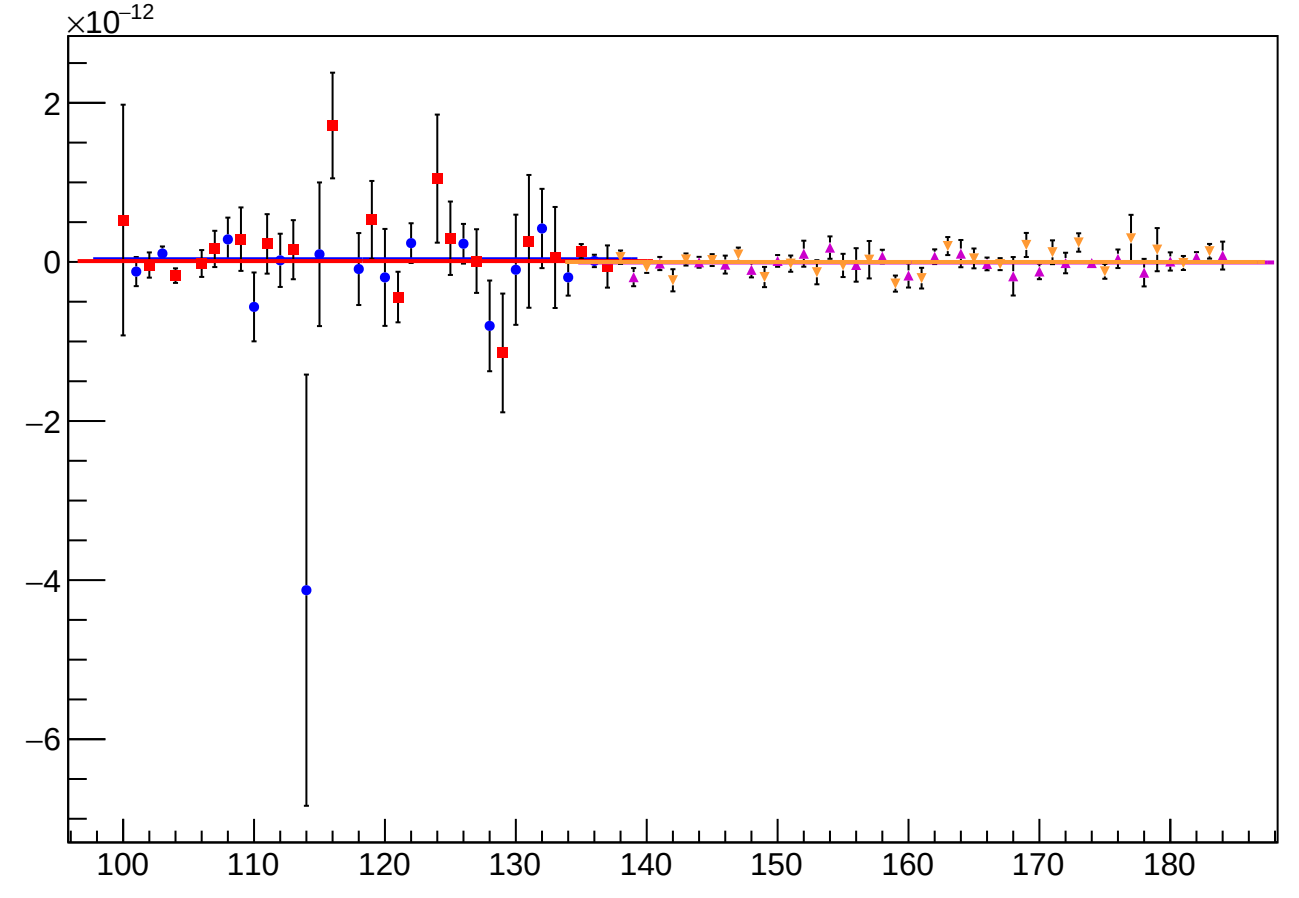
Left: 3861.447+/-0.455 χ^2/NDF: 2239475.6/46

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3708.124+/-0.532 χ^2/NDF:2362152.5/38

Out: 3582.862+/-0.510 χ^2/NDF:2954511.0/42

All: 3642.822+/-0.368 χ^2/NDF: 5345524.4/81



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:12.8/22

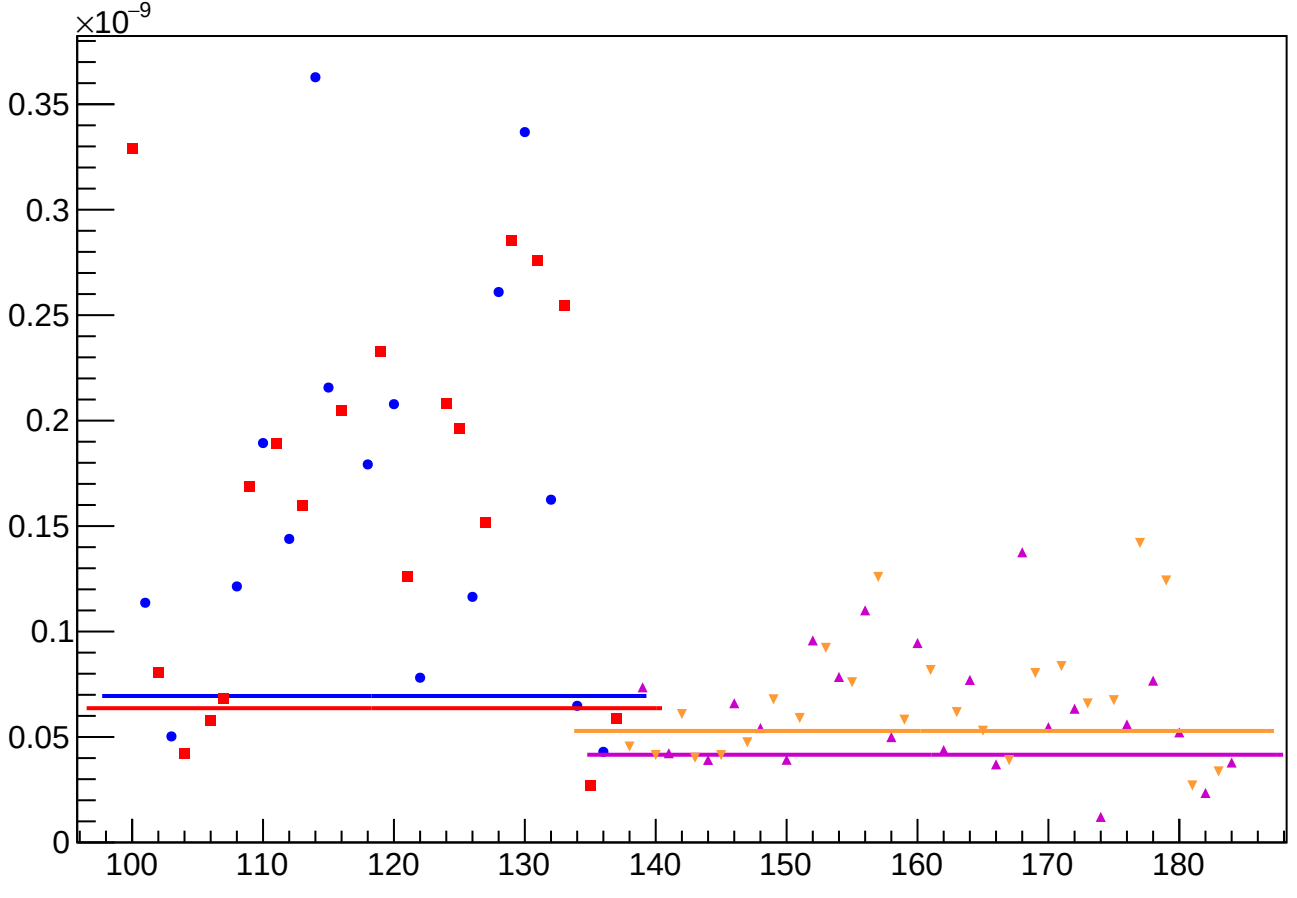
Left: -0.000+/-0.000 χ^2/NDF: 46.7/46

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:25.2/38

Out: 0.000+/-0.000 χ^2/NDF:55.7/42

All: -0.000+/-0.000 χ^2/NDF: 81.0/81



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:2939628.2/22

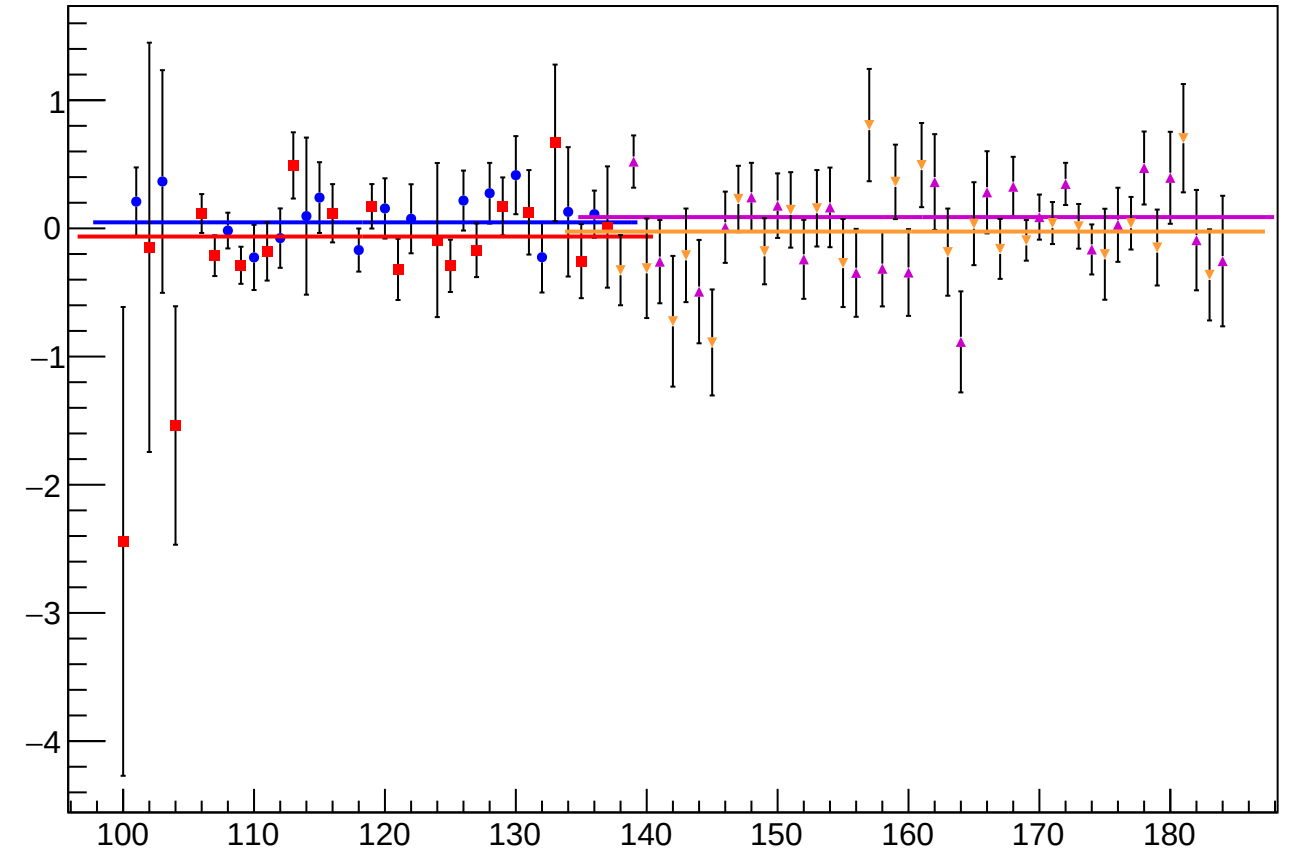
Left: 0.000+/-0.000 χ^2/NDF: 4823506.6/46

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:5228209.2/38

Out: 0.000+/-0.000 χ^2/NDF:3912054.8/42

All: 0.000+/-0.000 χ^2/NDF: 9375558.5/81



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: 0.088+/-0.057 χ^2/NDF:30.0/22

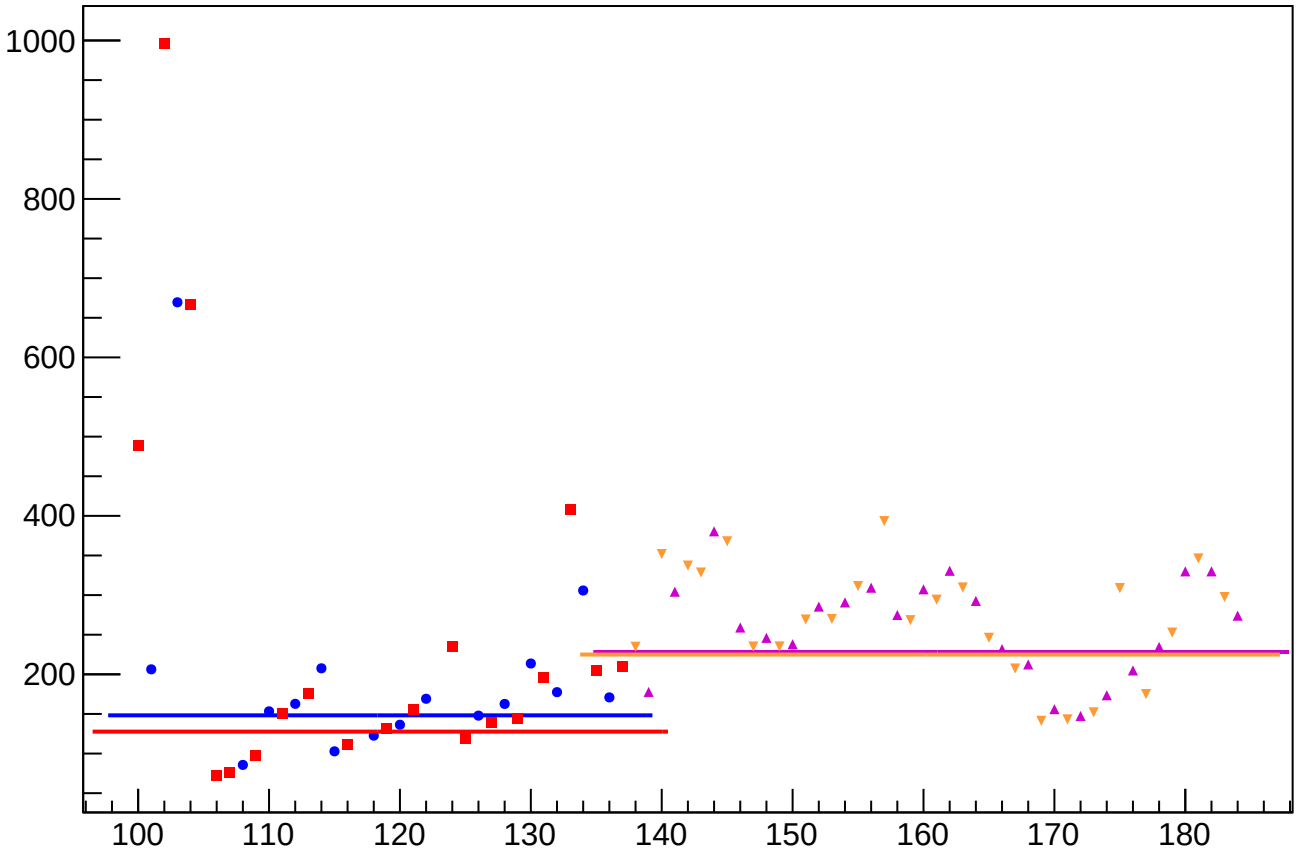
Left: 0.030+/-0.040 χ^2/NDF: 56.1/46

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.069+/-0.041 χ^2/NDF:38.8/38

Out: -0.044+/-0.039 χ^2/NDF:46.6/42

All: 0.009+/-0.028 χ^2/NDF: 89.4/81



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: 228.199+/-0.040 χ^2/NDF:2488915.3/22

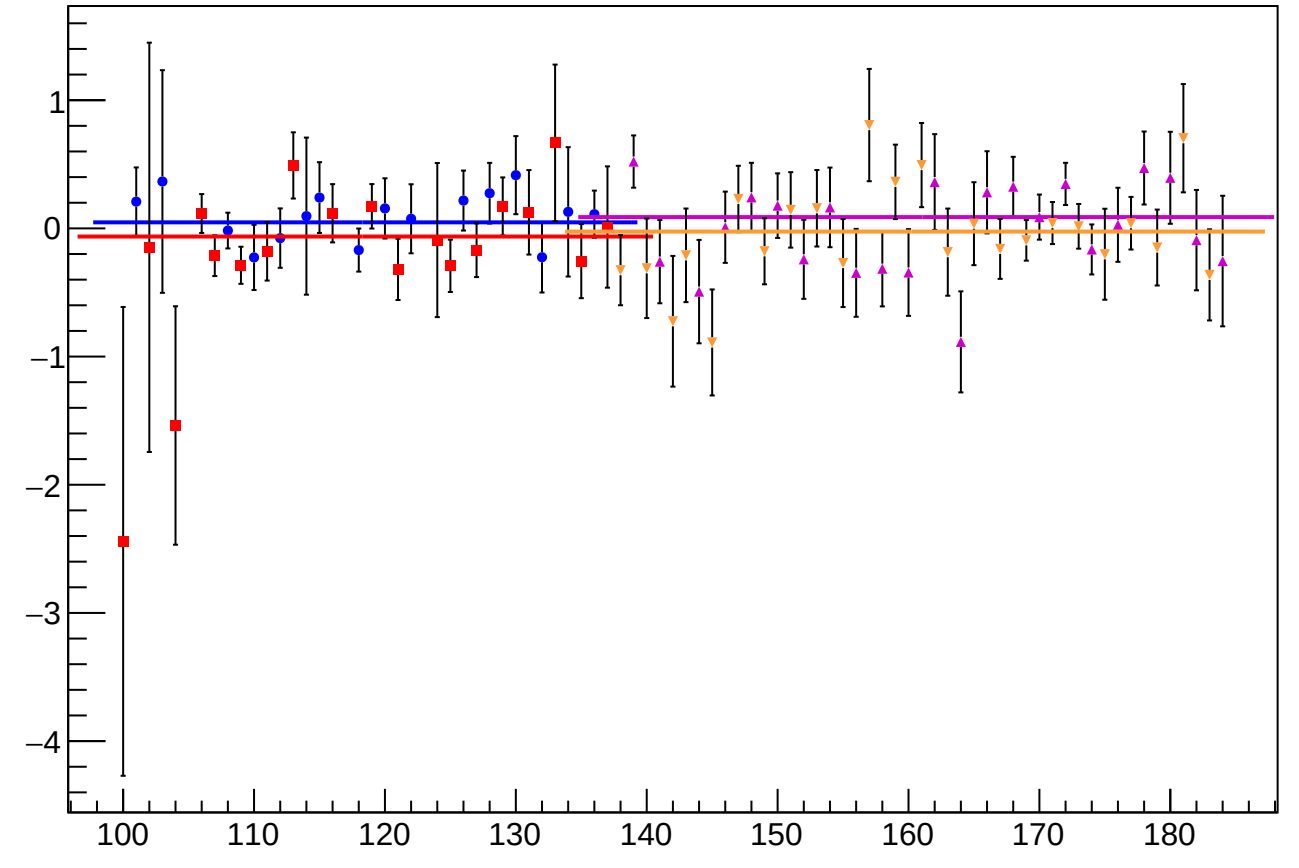
Left: 226.534+/-0.028 χ^2/NDF: 5902119.8/46

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 190.528+/-0.029 χ^2/NDF:6075629.2/38

Out: 175.808+/-0.027 χ^2/NDF:9384098.9/42

All: 182.737+/-0.020 χ^2/NDF: 15594837.5/81



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: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.040 χ^2/NDF: 56.1/46

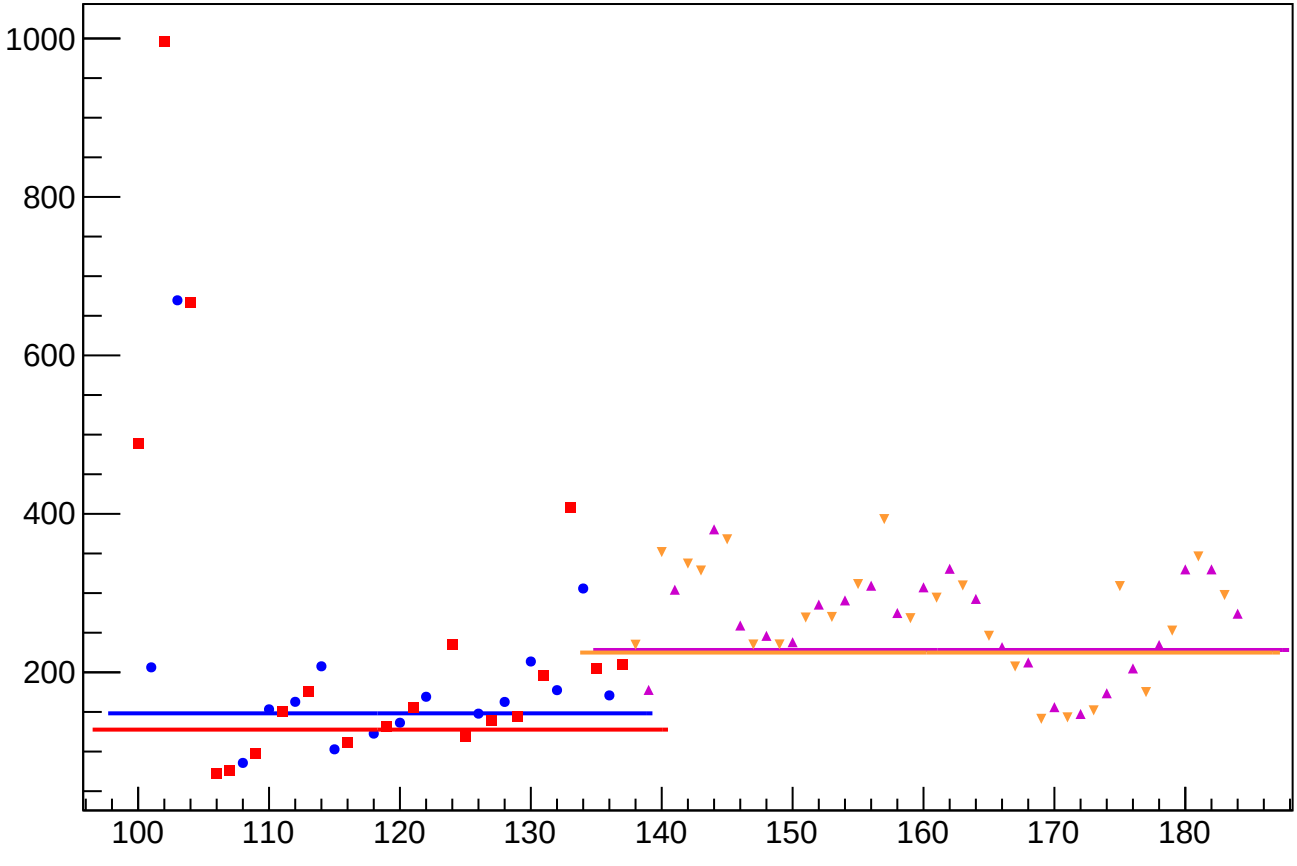
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.069+/-0.041 χ^2/NDF:38.8/38

Out: -0.044+/-0.039 χ^2/NDF:46.6/42

All: 0.009+/-0.028 χ^2/NDF: 89.4/81

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: 228.199+/-0.040 χ^2/NDF:2488915.3/22

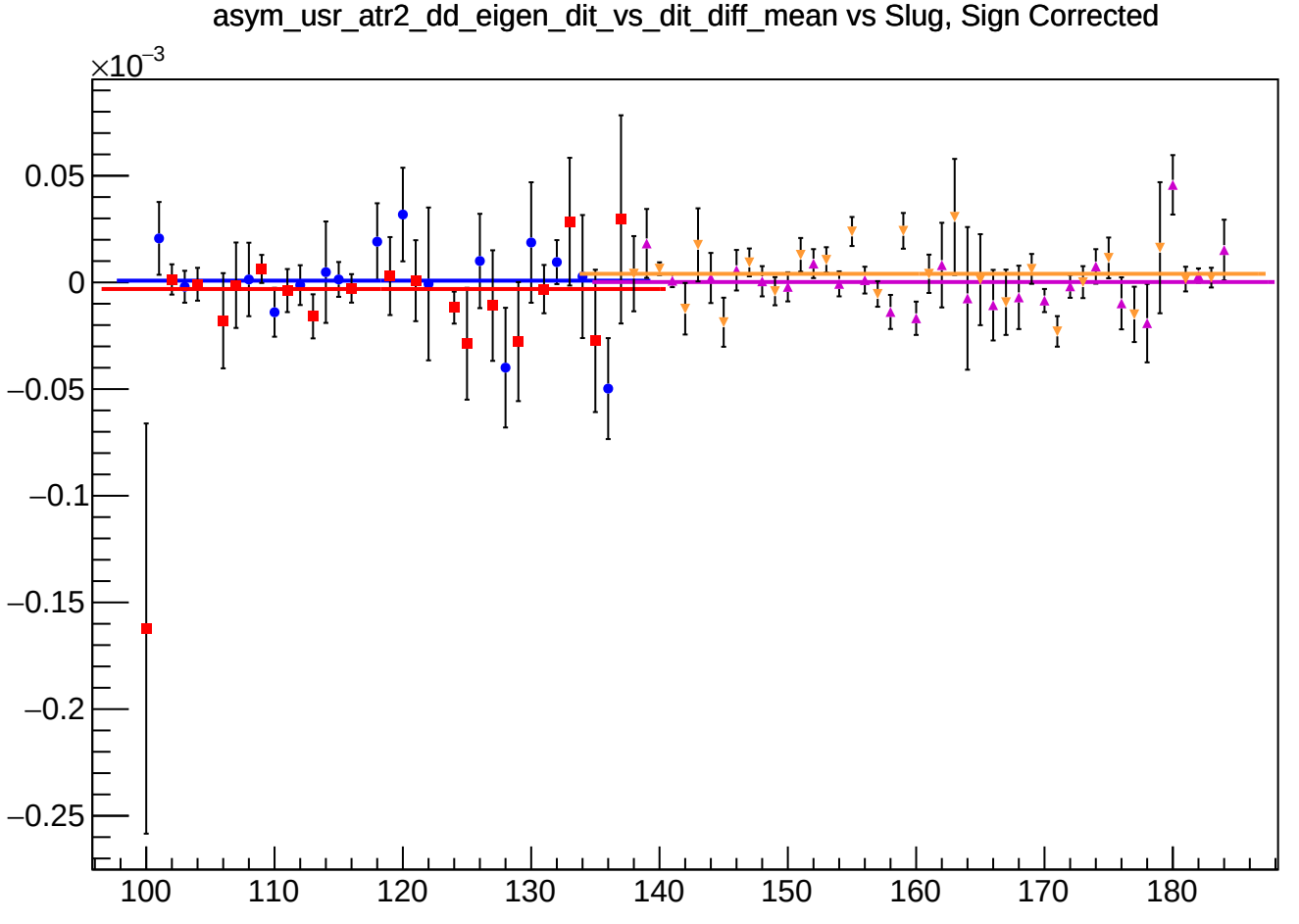
Left: 226.534+/-0.028 χ^2/NDF: 5902119.8/46

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 190.528+/-0.029 χ^2/NDF:6075629.2/38

Out: 175.808+/-0.027 χ^2/NDF:9384098.9/42

All: 182.737+/-0.020 χ^2/NDF: 15594837.5/81



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:30.1/22

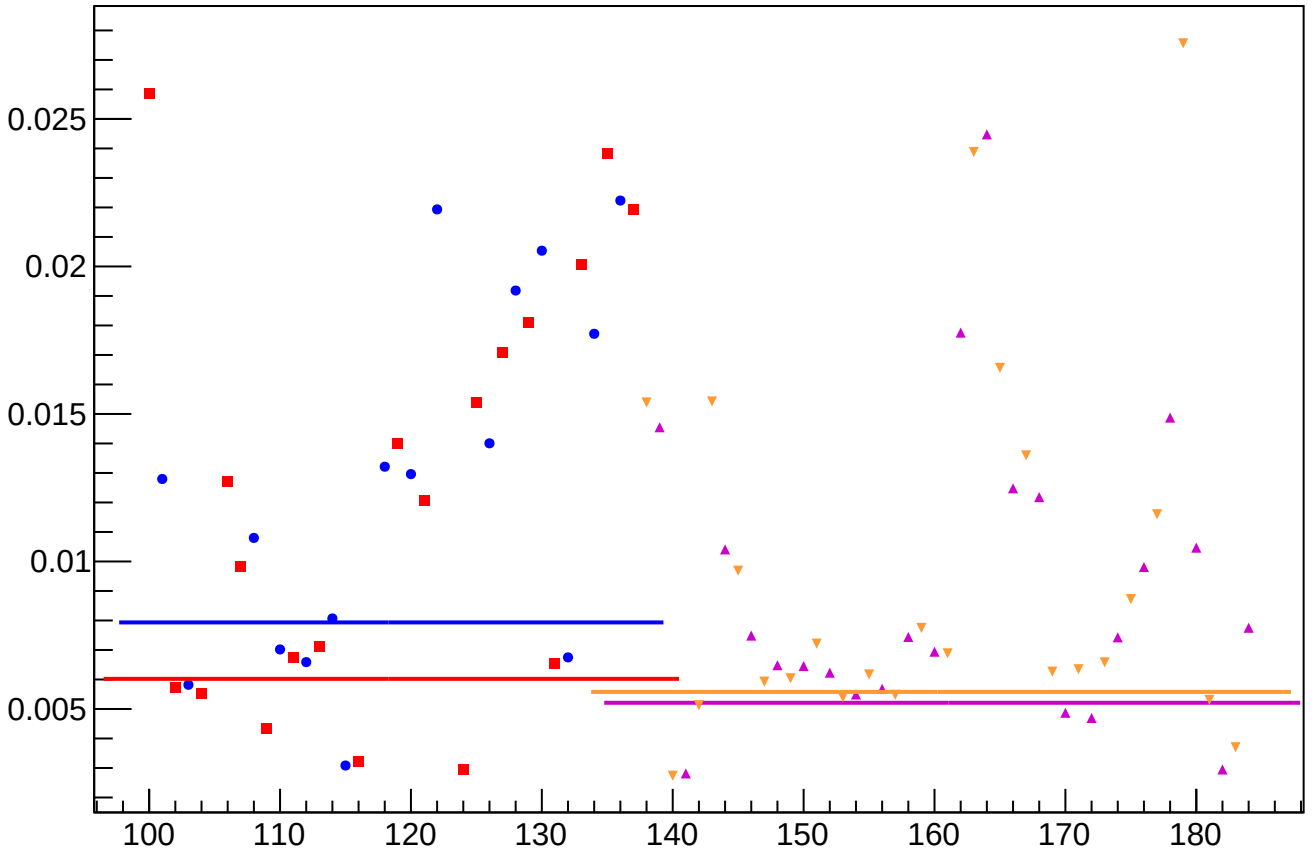
Left: 0.000+/-0.000 χ^2/NDF: 81.5/46

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:44.3/38

Out: 0.000+/-0.000 χ^2/NDF:66.3/42

All: 0.000+/-0.000 χ^2/NDF: 111.8/81



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:7460452.2/22

Left: 0.005+/-0.000 χ^2/NDF: 15235633.1/46

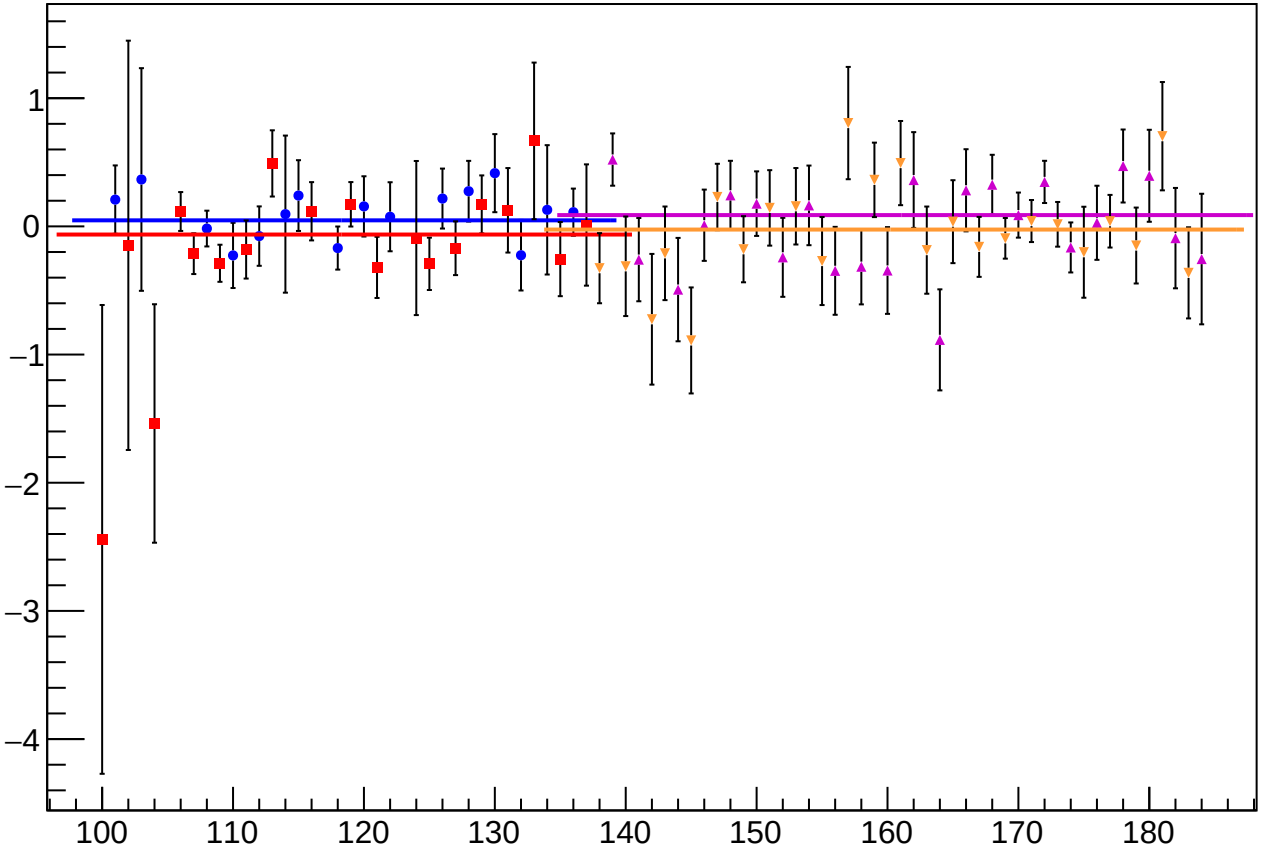
Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:12095113.9/38

Out: 0.006+/-0.000 χ^2/NDF:11763776.8/42

All: 0.006+/-0.000 χ^2/NDF: 23862226.7/81

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/23

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.040 χ^2/NDF: 56.1/46

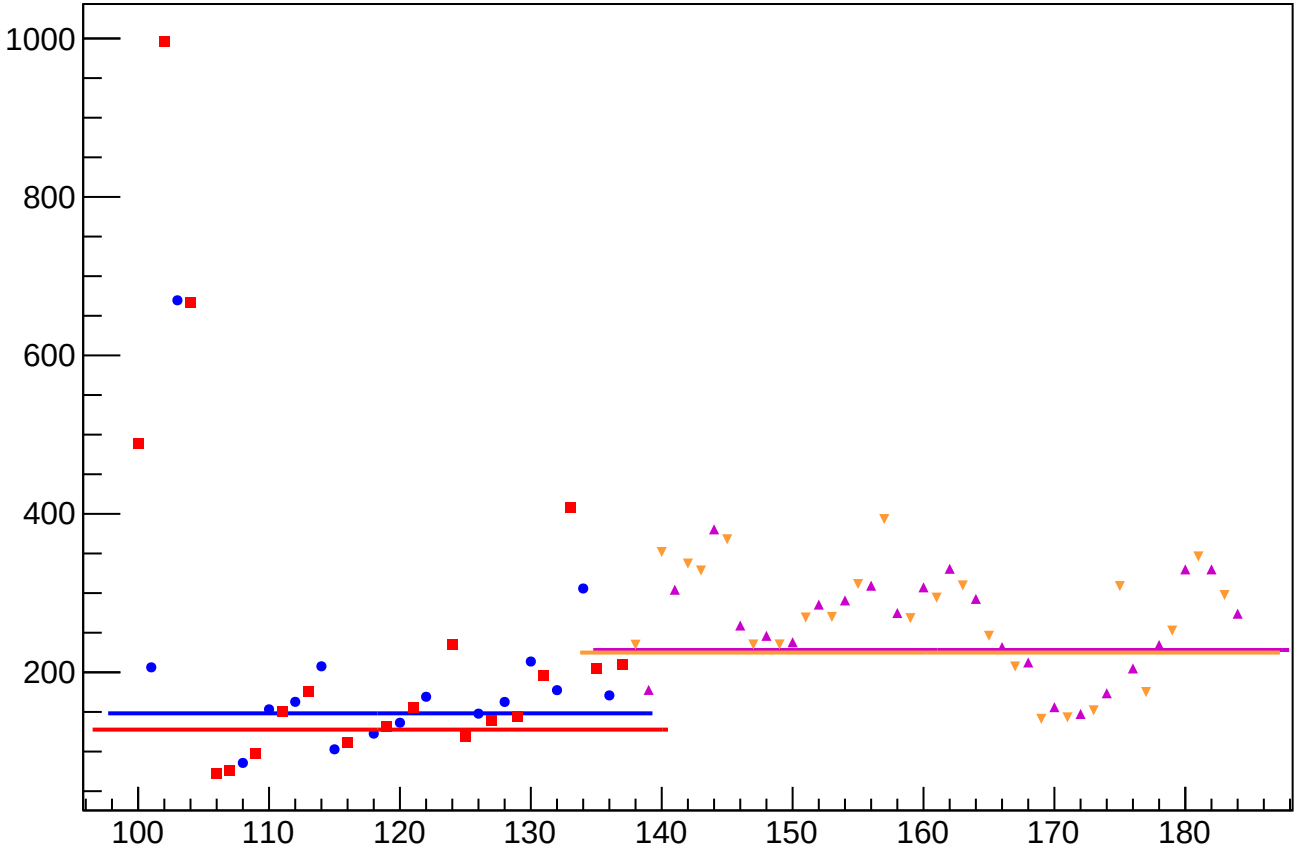
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.069+/-0.041 χ^2/NDF:38.8/38

Out: -0.044+/-0.039 χ^2/NDF:46.6/42

All: 0.009+/-0.028 χ^2/NDF: 89.4/81

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: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 226.535+/-0.028 χ^2/NDF: 5902260.2/46

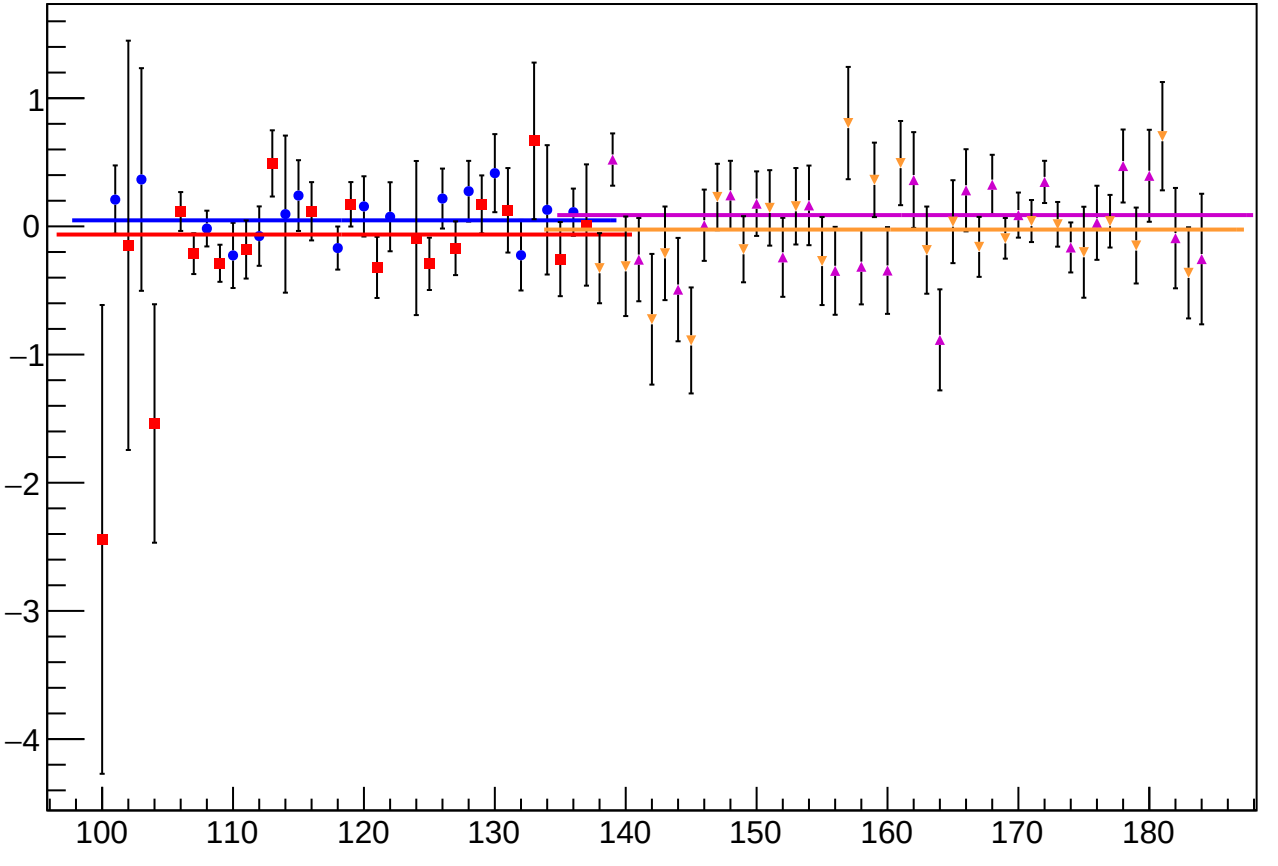
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 190.527+/-0.029 χ^2/NDF:6075945.9/38

Out: 175.808+/-0.027 χ^2/NDF:9384240.6/42

All: 182.737+/-0.020 χ^2/NDF: 15595269.7/81

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: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.040 χ^2/NDF: 56.1/46

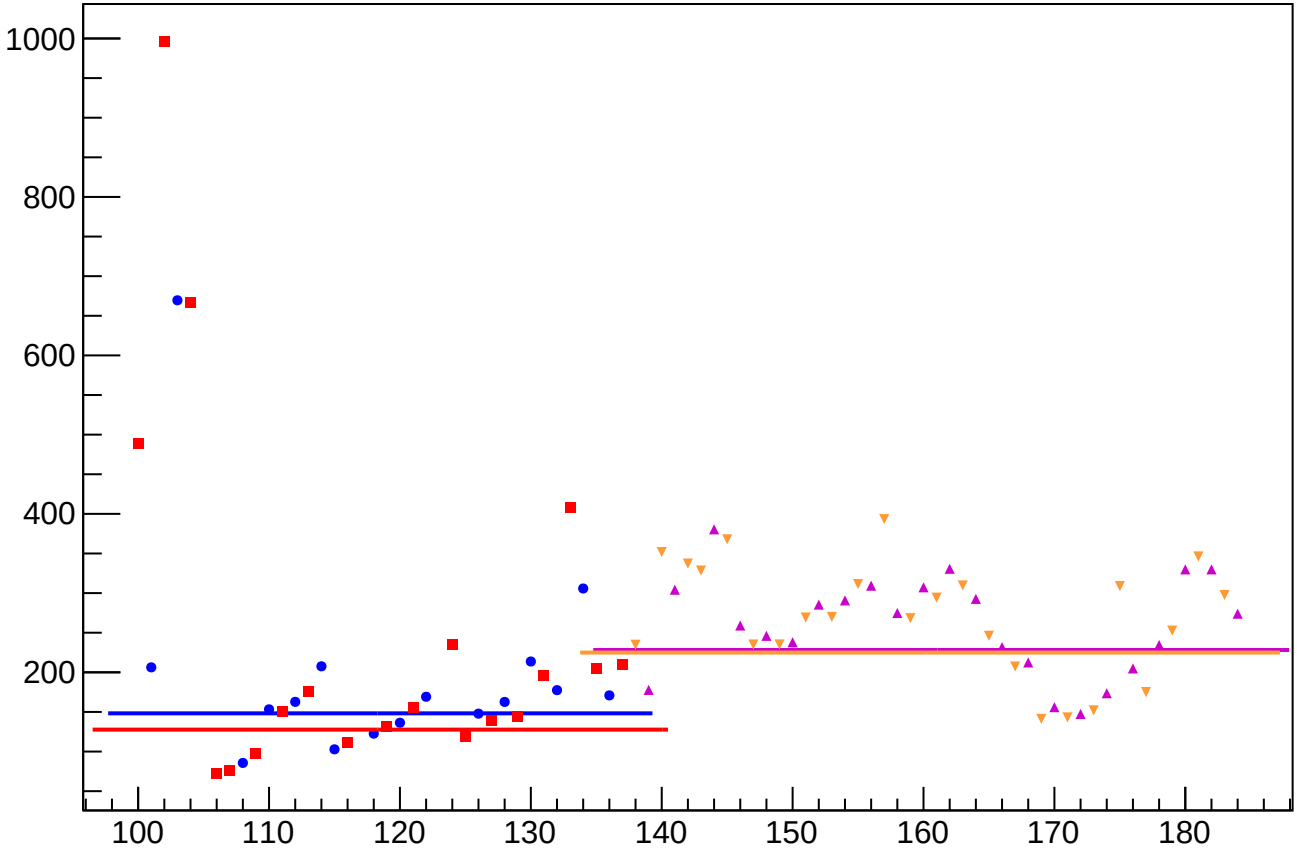
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.069+/-0.041 χ^2/NDF:38.8/38

Out: -0.044+/-0.039 χ^2/NDF:46.6/42

All: 0.009+/-0.028 χ^2/NDF: 89.4/81

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: 228.201+/-0.040 χ^2/NDF:2488951.6/22

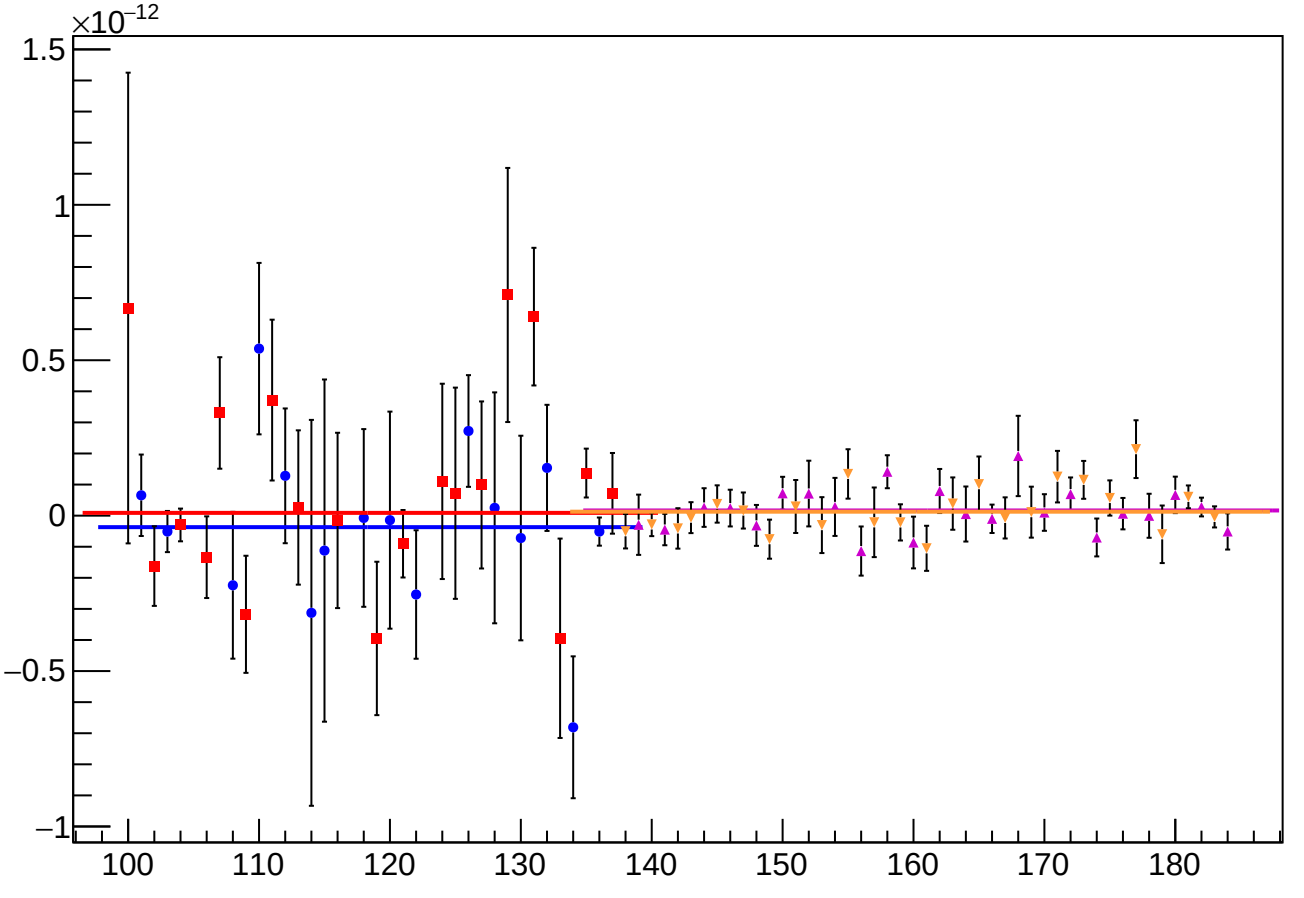
Left: 226.535+/-0.028 χ^2/NDF: 5902260.2/46

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 190.527+/-0.029 χ^2/NDF:6075945.9/38

Out: 175.808+/-0.027 χ^2/NDF:9384240.6/42

All: 182.737+/-0.020 χ^2/NDF: 15595269.7/81



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:21.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.6/46

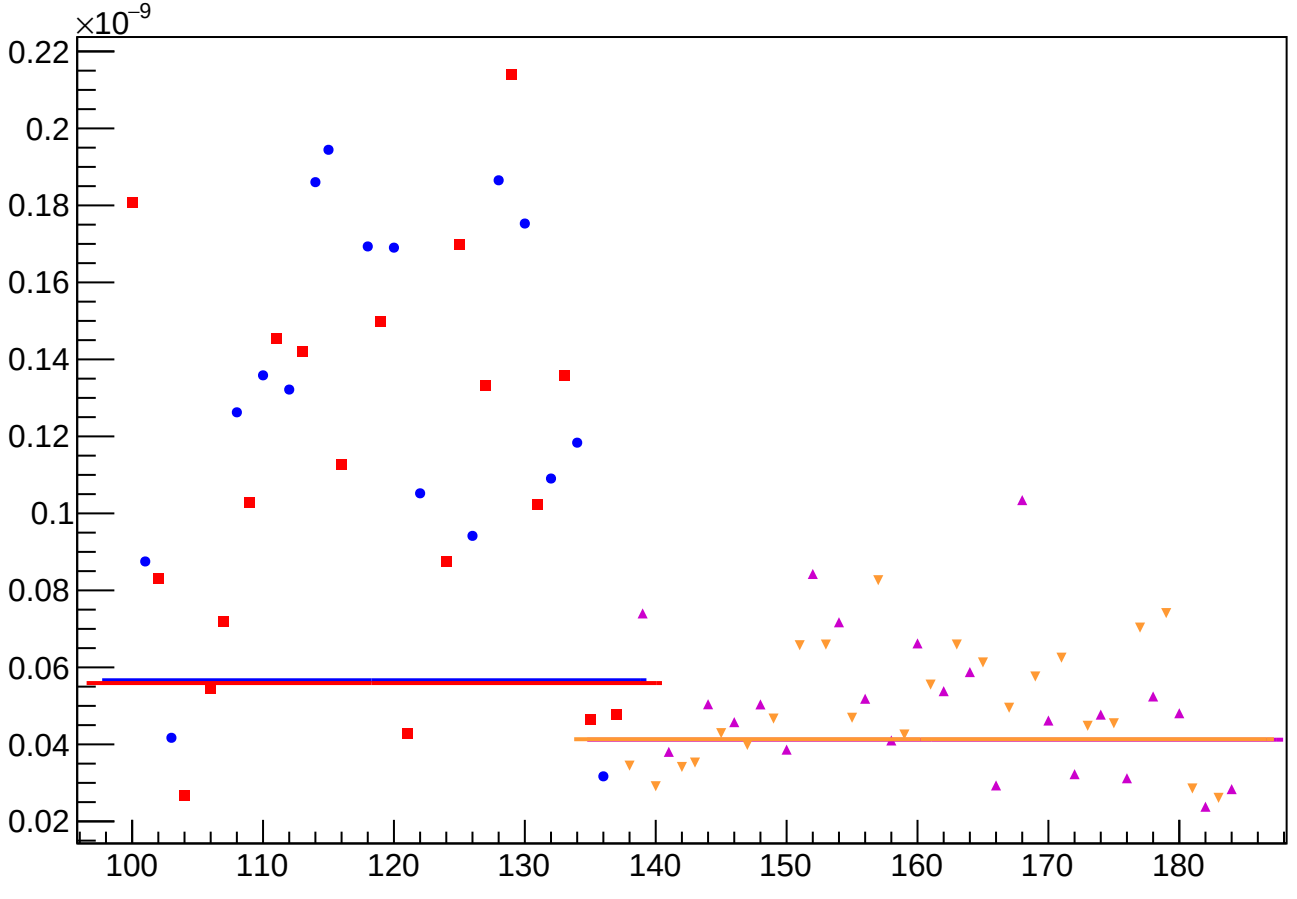
Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:43.6/38

Out: 0.000+/-0.000 χ^2/NDF:56.6/42

All: 0.000+/-0.000 χ^2/NDF: 100.3/81

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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:2852113.9/22

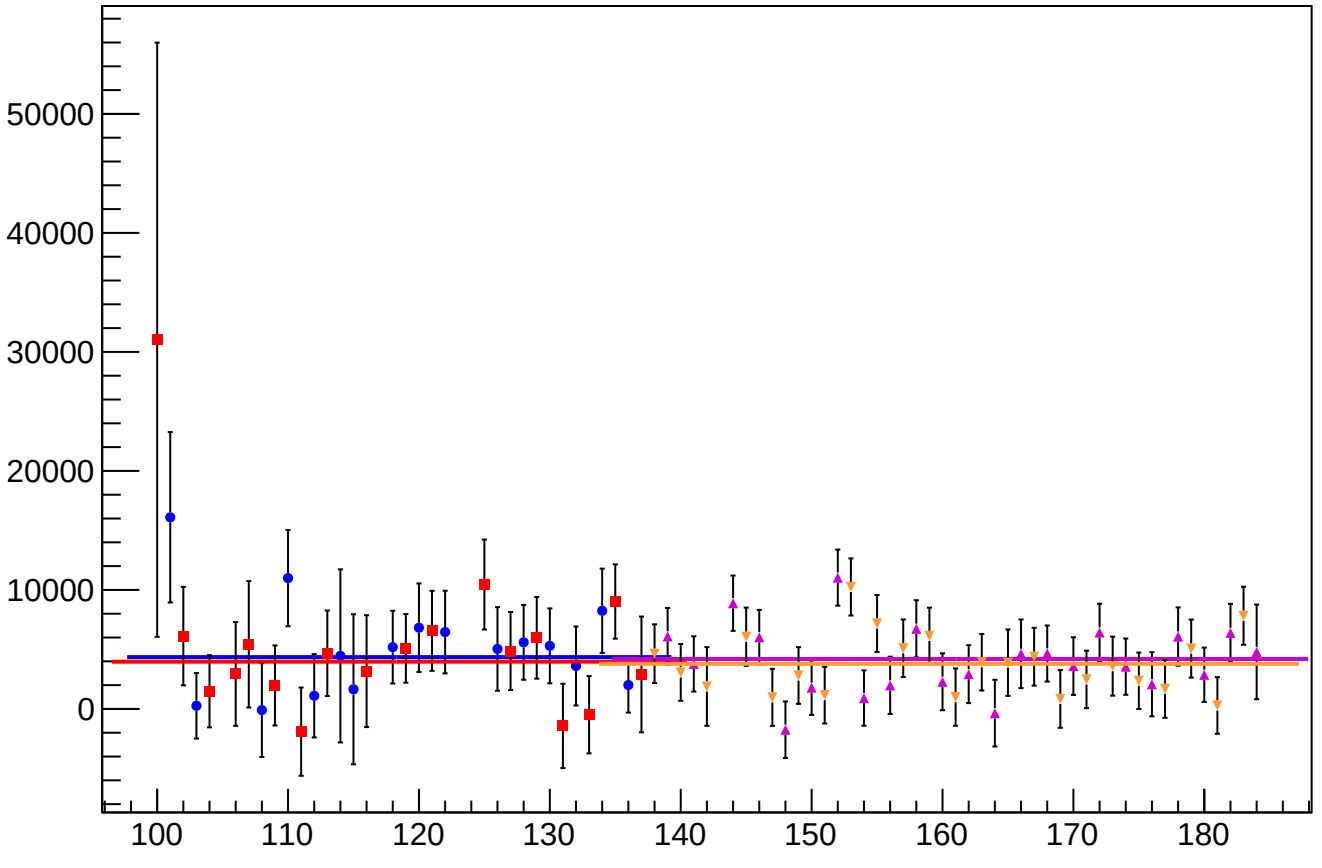
Left: 0.000+/-0.000 χ^2/NDF: 5457077.5/46

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:6366776.1/38

Out: 0.000+/-0.000 χ^2/NDF:5700342.7/42

All: 0.000+/-0.000 χ^2/NDF: 12067119.6/81



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: 4195.942+/-510.578 χ^2/NDF:32.1/22

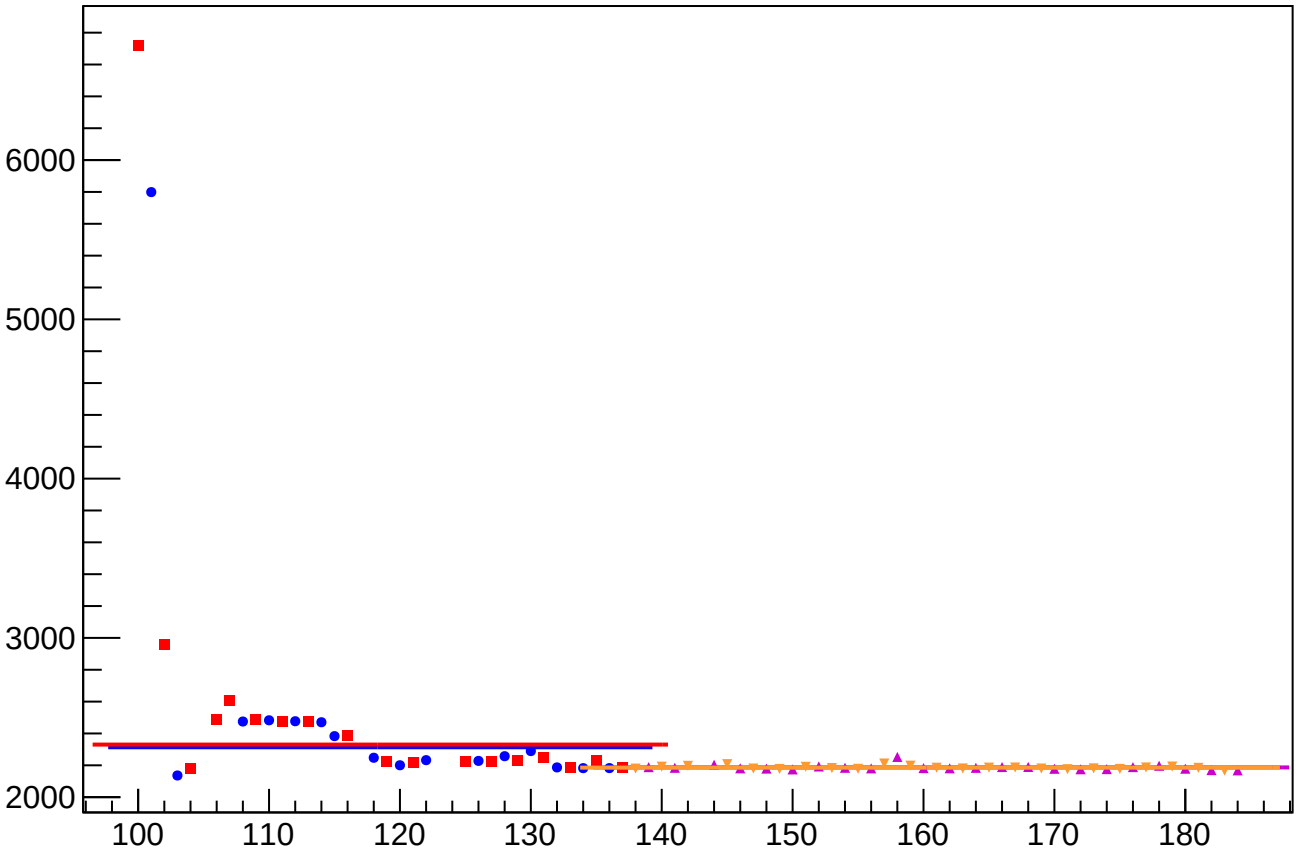
Left: 3994.209+/-361.112 χ^2/NDF: 56.6/45

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4236.168+/-441.011 χ^2/NDF:45.5/38

Out: 3838.182+/-440.658 χ^2/NDF:40.4/40

All: 4037.016+/-311.717 χ^2/NDF: 86.3/79



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: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2186.076+/-0.255 χ^2/NDF: 2845.4/45

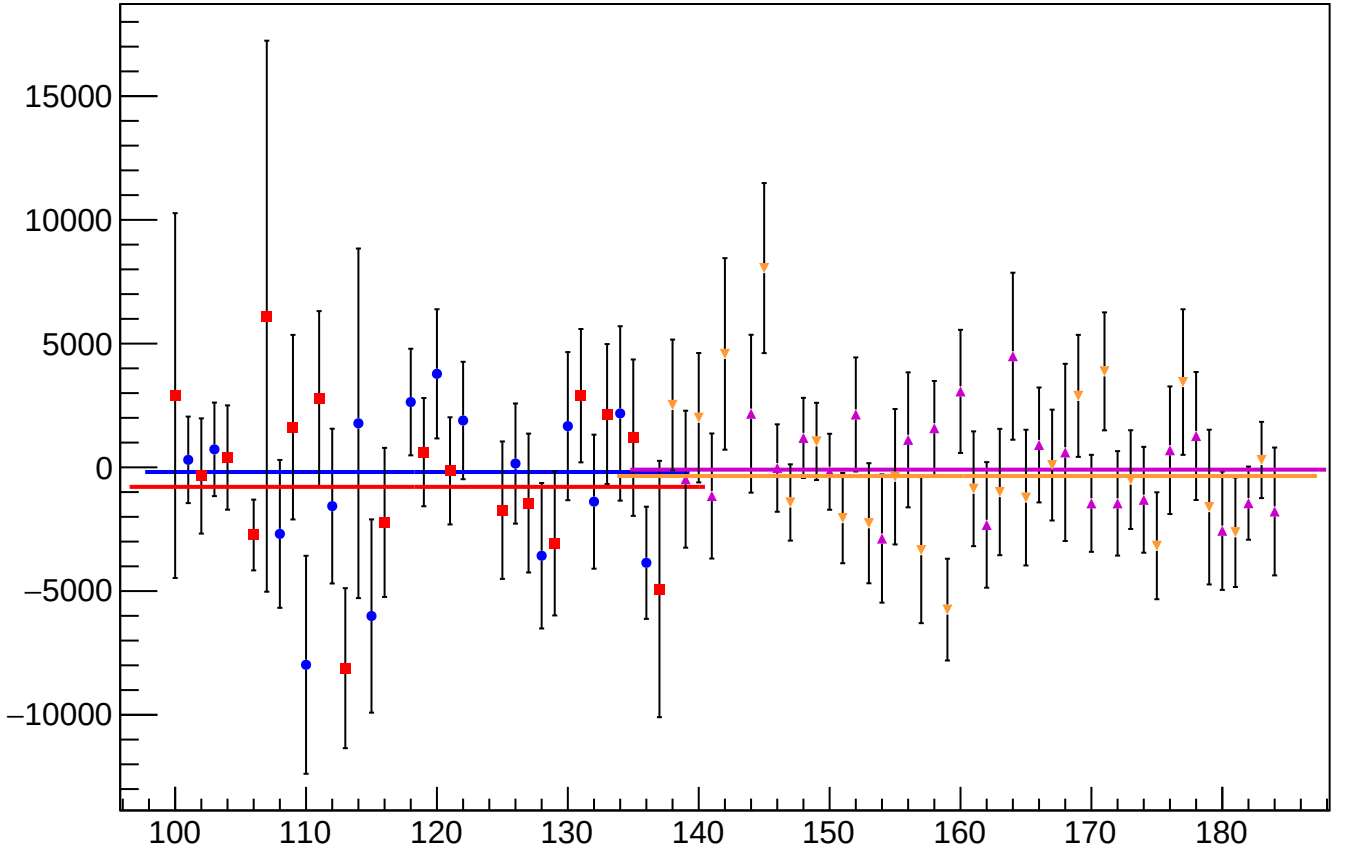
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2218.911+/-0.312 χ^2/NDF:545694.1/38

Out: 2222.442+/-0.312 χ^2/NDF:193090.1/40

All: 2220.678+/-0.220 χ^2/NDF: 738848.4/79

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: -92.649+/-460.669 χ^2/NDF:12.8/22

Left: -219.538+/-328.591 χ^2/NDF: 43.1/45

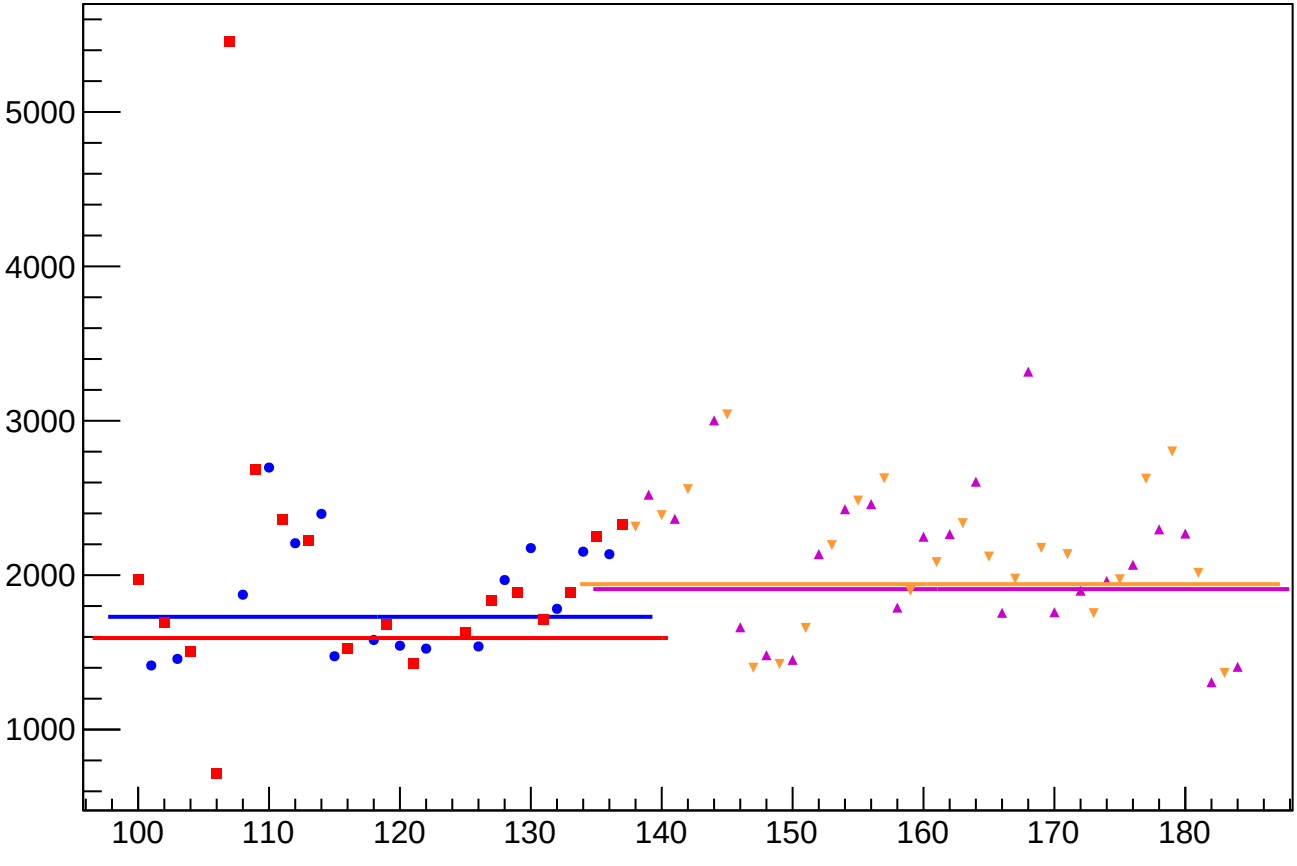
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: -124.208+/-377.439 χ^2/NDF:29.2/38

Out: -505.647+/-377.150 χ^2/NDF:45.4/40

All: -315.074+/-266.787 χ^2/NDF: 75.1/79

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: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

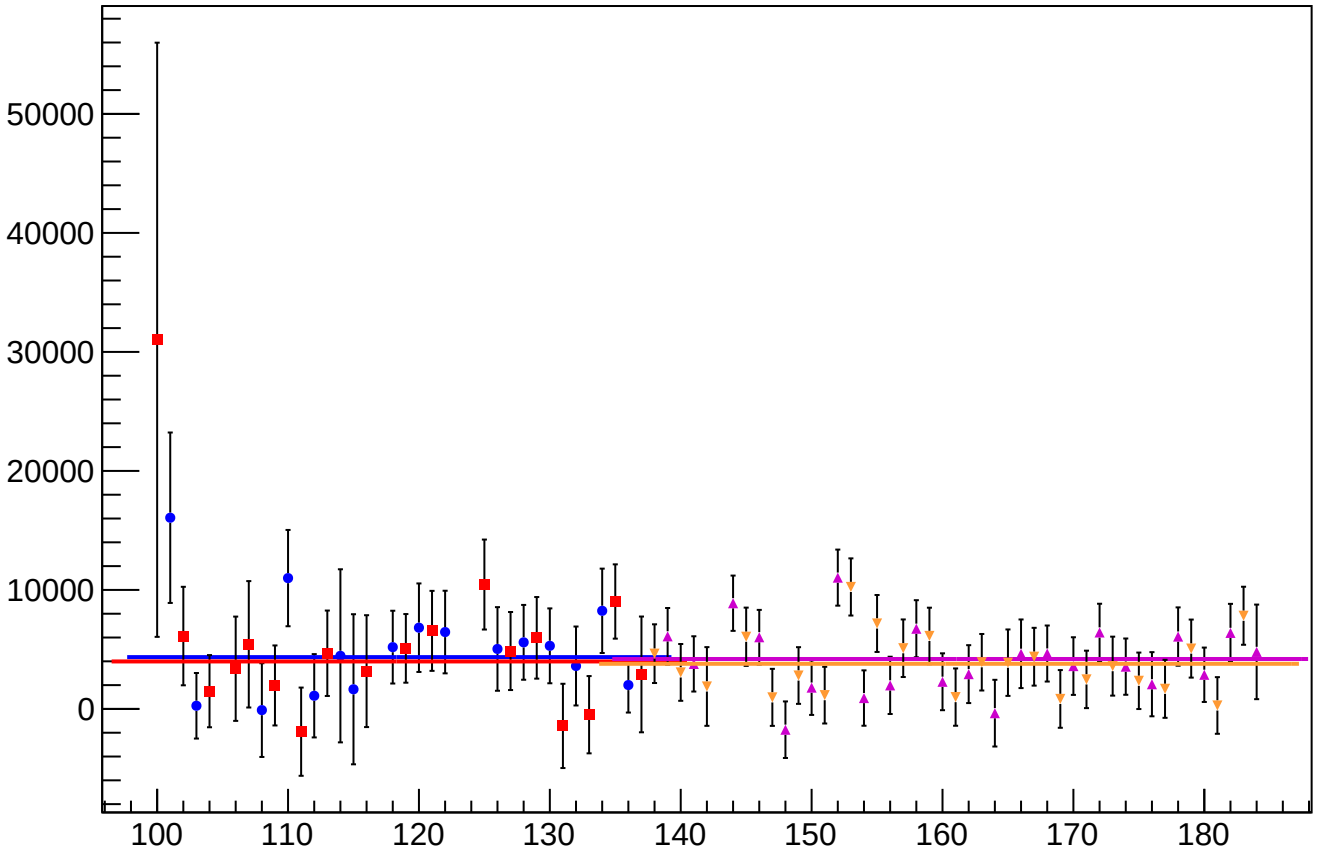
Left: 1925.460+/-0.232 χ^2/NDF: 3678201.6/45

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1850.668+/-0.267 χ^2/NDF:2520814.0/38

Out: 1818.704+/-0.267 χ^2/NDF:3678510.5/40

All: 1834.674+/-0.189 χ^2/NDF: 6206501.9/79



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: 4196.060+/-510.578 χ^2/NDF:32.1/22

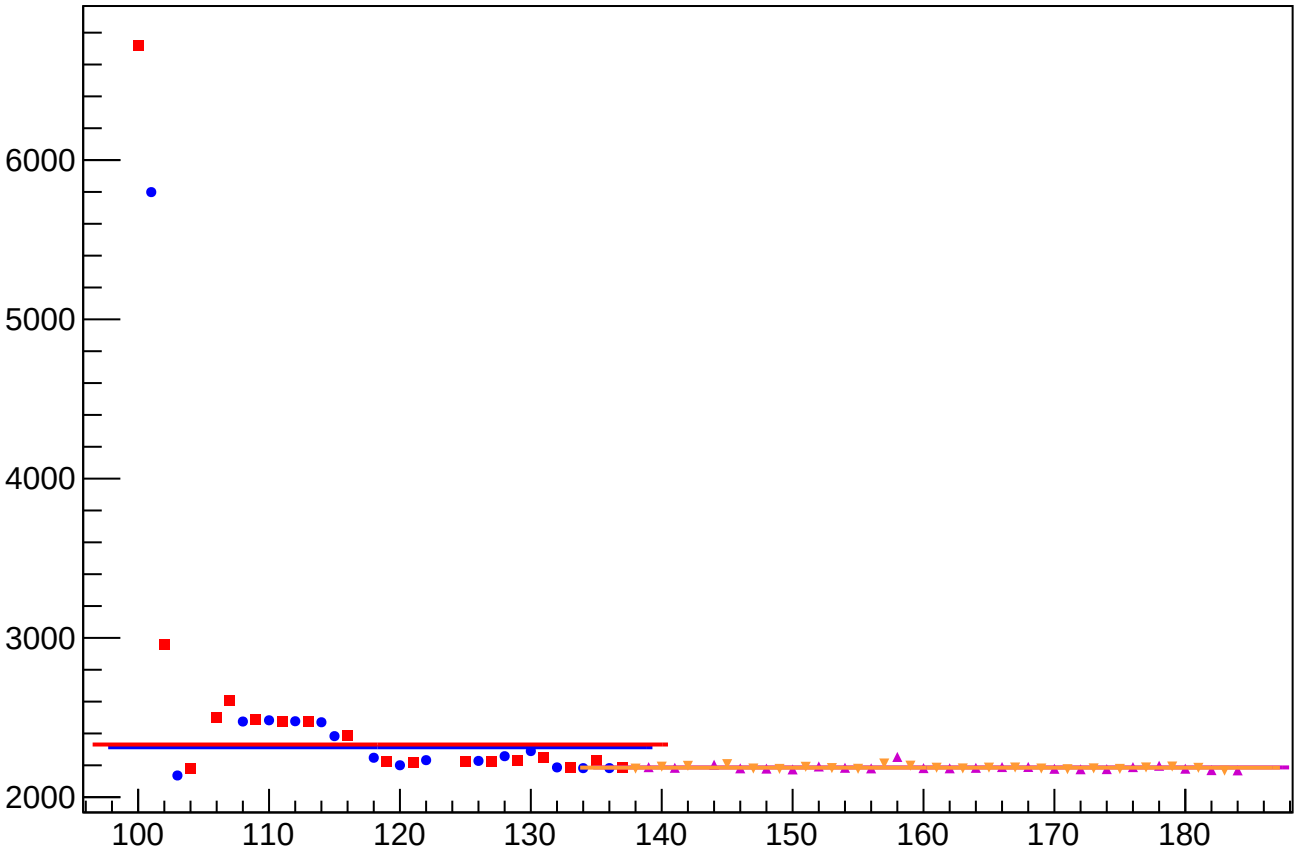
Left: 3994.249+/-361.112 χ^2/NDF: 56.6/45

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4236.083+/-441.011 χ^2/NDF:45.5/38

Out: 3842.796+/-440.678 χ^2/NDF:40.3/40

All: 4039.291+/-311.724 χ^2/NDF: 86.2/79



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: 2186.745+/-0.361 χ^2/NDF:2063.9/22

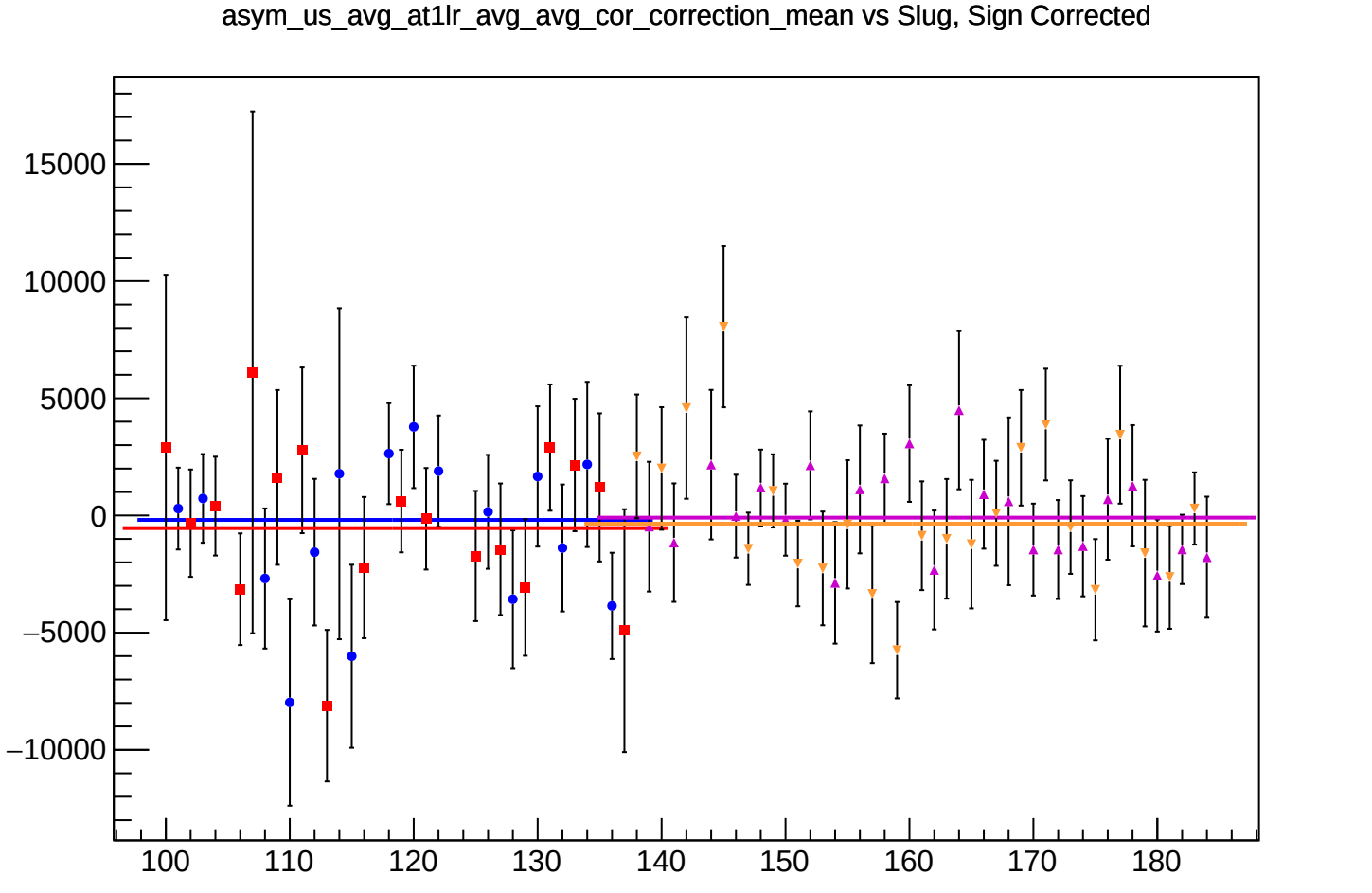
Left: 2186.076+/-0.255 χ^2/NDF: 2845.4/45

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

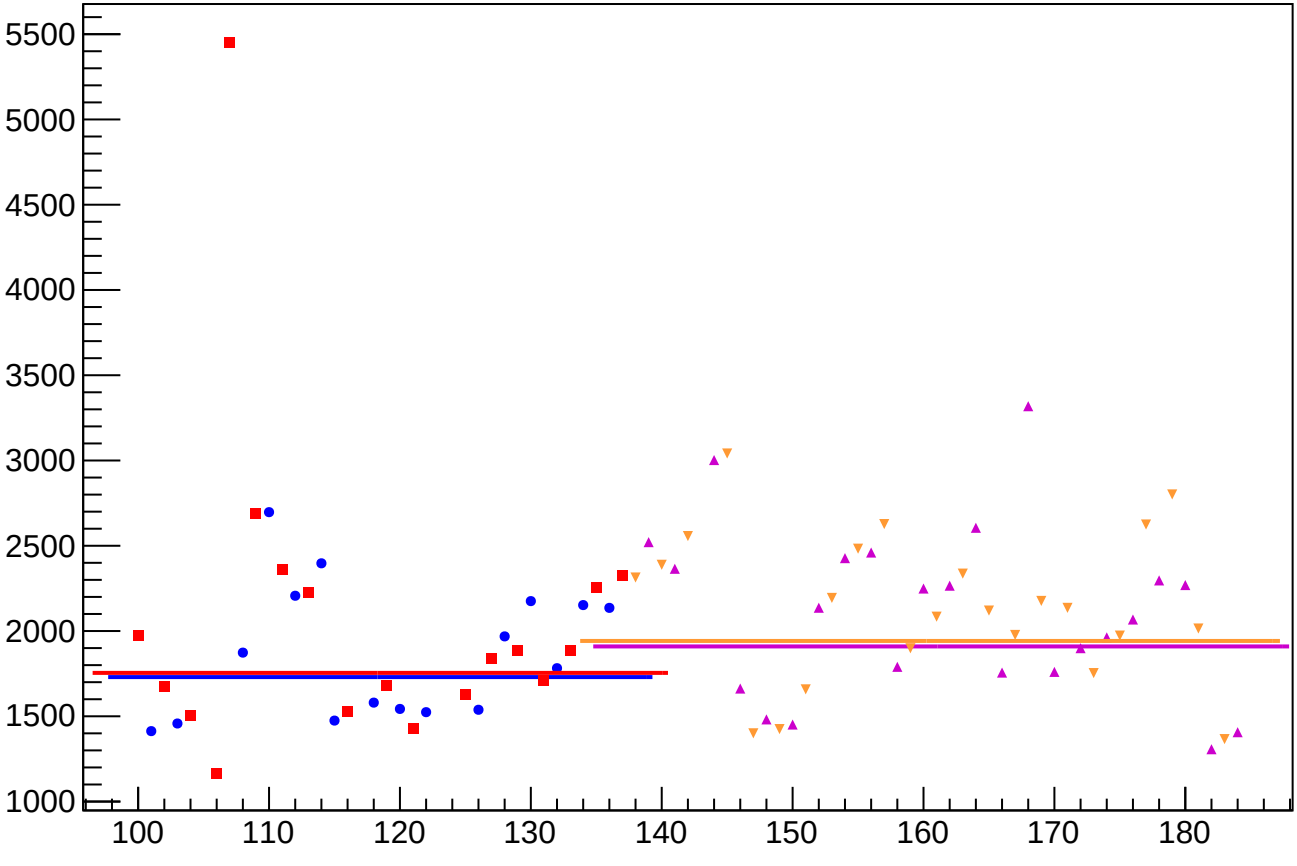
In: 2218.911+/-0.312 χ^2/NDF:545694.5/38

Out: 2222.527+/-0.312 χ^2/NDF:193635.5/40

All: 2220.720+/-0.220 χ^2/NDF: 739397.3/79


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -350.967+/-468.833 χ²/NDF:30.2/22
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -92.604+/-460.670 χ²/NDF:12.8/22
Left: -219.517+/-328.591 χ²/NDF: 43.1/45
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -124.549+/-377.416 χ²/NDF:29.2/38
Out: -411.934+/-385.657 χ²/NDF:44.1/40
All: -265.138+/-269.740 χ²/NDF: 73.6/79

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: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

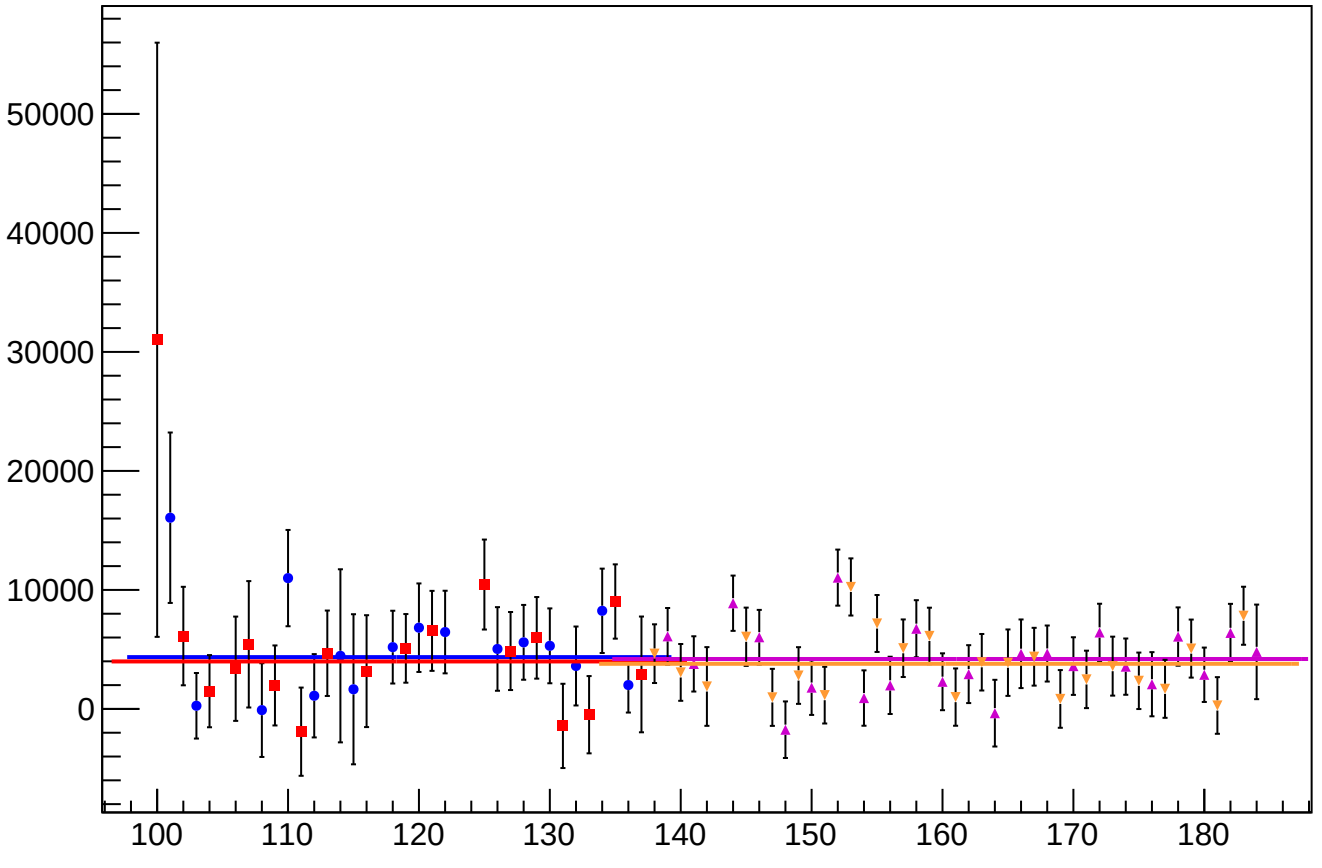
Left: 1925.462+/-0.232 χ^2/NDF: 3678252.0/45

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1850.528+/-0.267 χ^2/NDF:2522267.5/38

Out: 1881.294+/-0.273 χ^2/NDF:2585422.8/40

All: 1865.579+/-0.191 χ^2/NDF: 5114192.0/79



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: 4196.060+/-510.578 χ^2/NDF:32.1/22

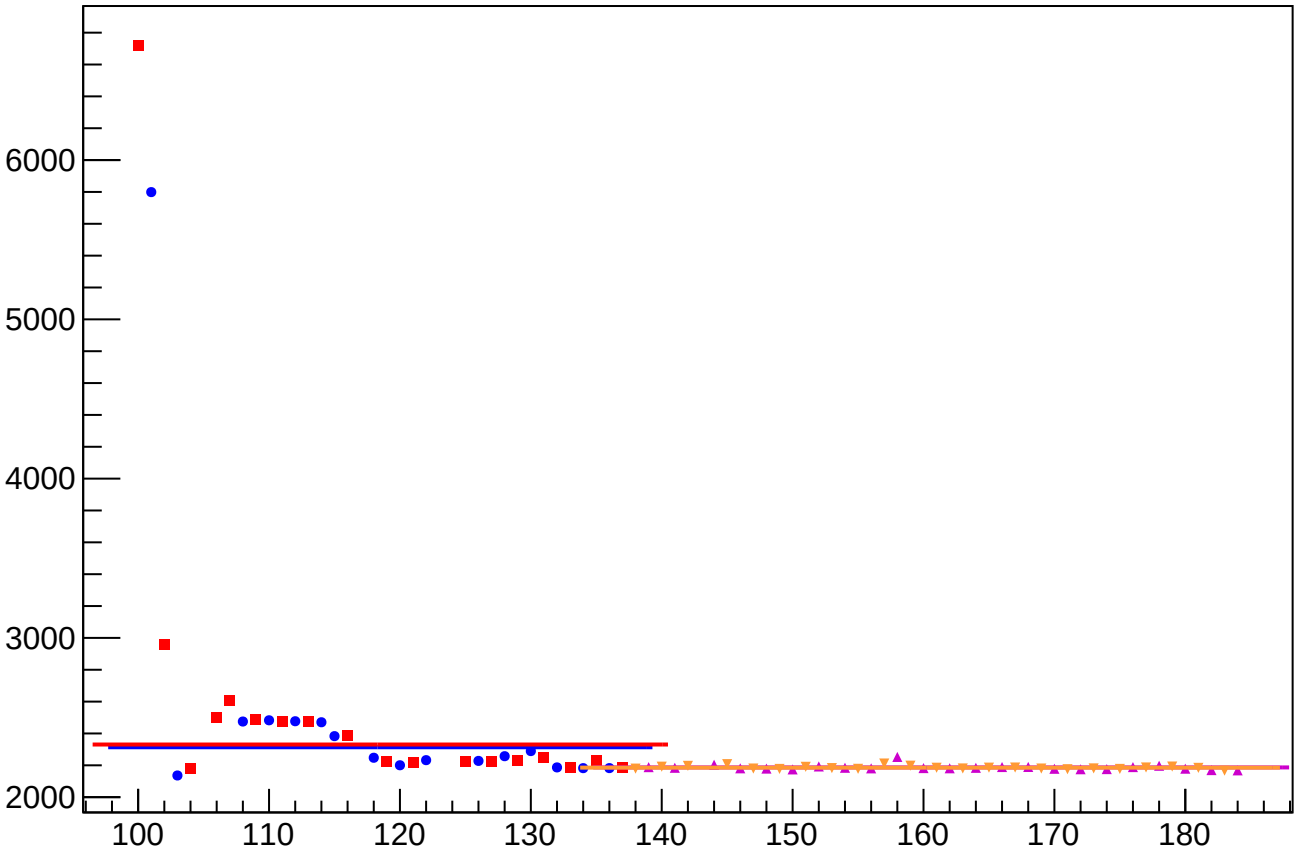
Left: 3994.249+/-361.112 χ^2/NDF: 56.6/45

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4236.083+/-441.011 χ^2/NDF:45.5/38

Out: 3842.796+/-440.678 χ^2/NDF:40.3/40

All: 4039.291+/-311.724 χ^2/NDF: 86.2/79



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: 2186.745+/-0.361 χ^2/NDF:2063.9/22

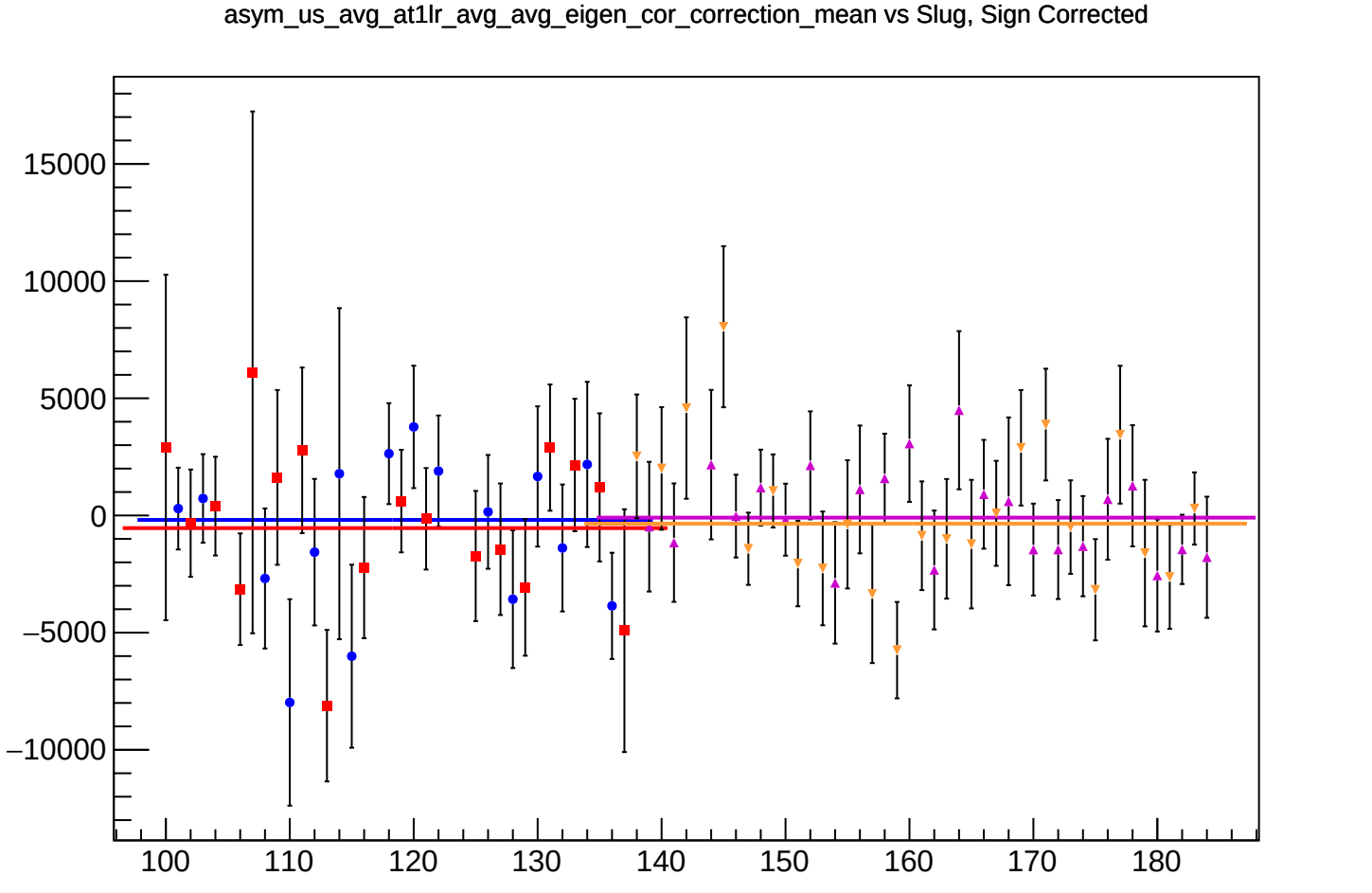
Left: 2186.076+/-0.255 χ^2/NDF: 2845.4/45

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

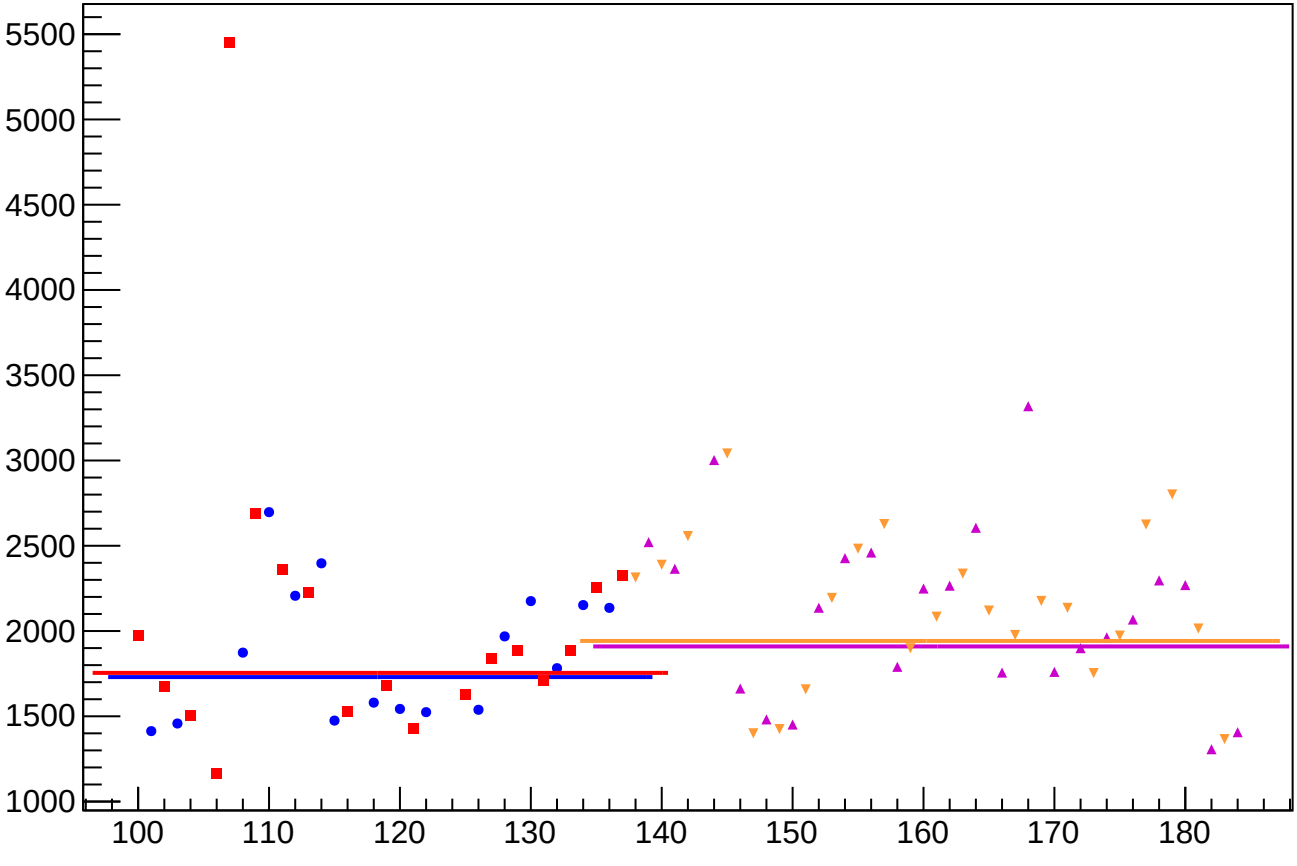
In: 2218.911+/-0.312 χ^2/NDF:545694.5/38

Out: 2222.527+/-0.312 χ^2/NDF:193635.5/40

All: 2220.720+/-0.220 χ^2/NDF: 739397.3/79


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -350.967+/-468.833 χ²/NDF:30.2/22
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -92.604+/-460.670 χ²/NDF:12.8/22
Left: -219.517+/-328.591 χ²/NDF: 43.1/45
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -124.549+/-377.416 χ²/NDF:29.2/38
Out: -411.934+/-385.657 χ²/NDF:44.1/40
All: -265.138+/-269.740 χ²/NDF: 73.6/79

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: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

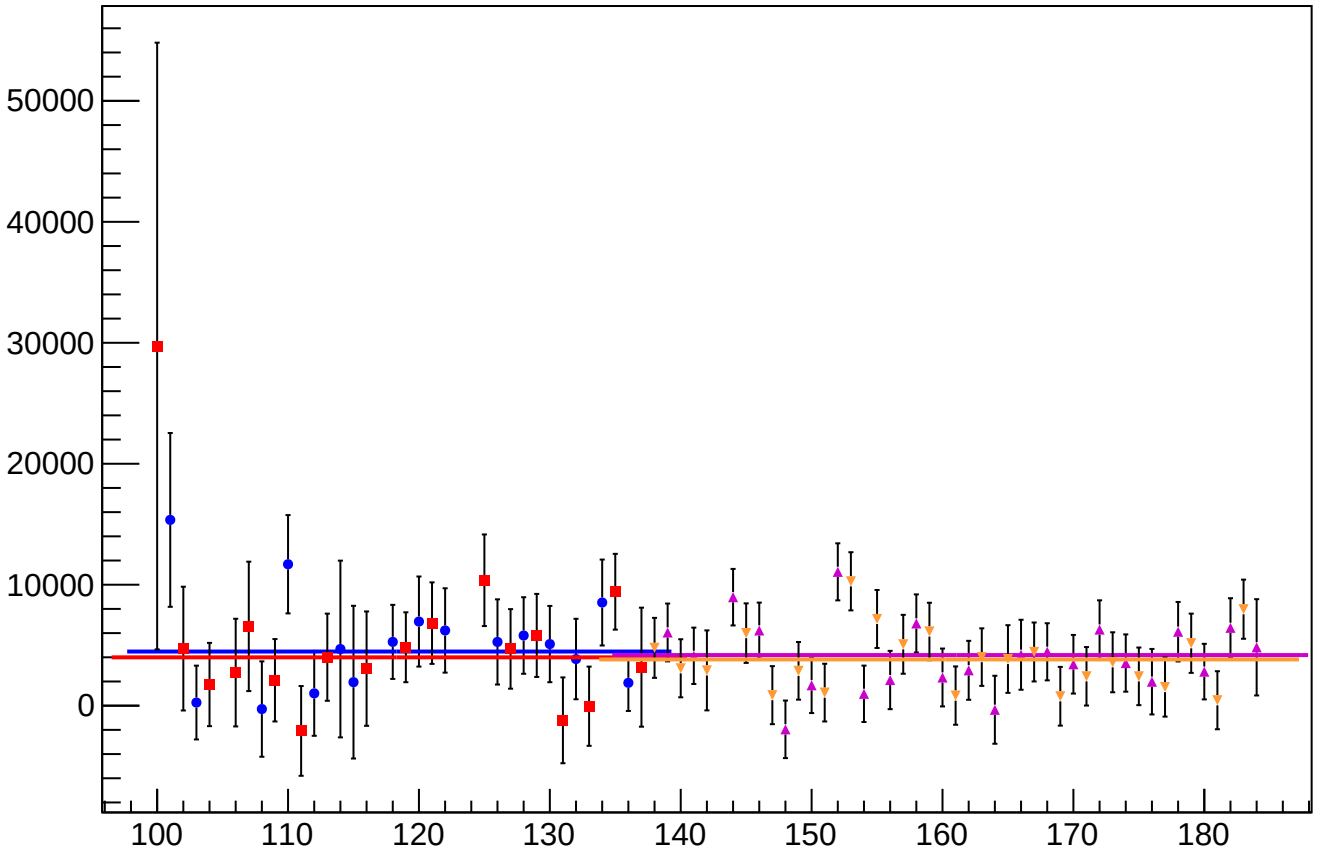
Left: 1925.462+/-0.232 χ^2/NDF: 3678252.0/45

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1850.528+/-0.267 χ^2/NDF:2522267.5/38

Out: 1881.294+/-0.273 χ^2/NDF:2585422.8/40

All: 1865.579+/-0.191 χ^2/NDF: 5114192.0/79



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: 4184.214+/-511.864 χ^2/NDF:32.7/22

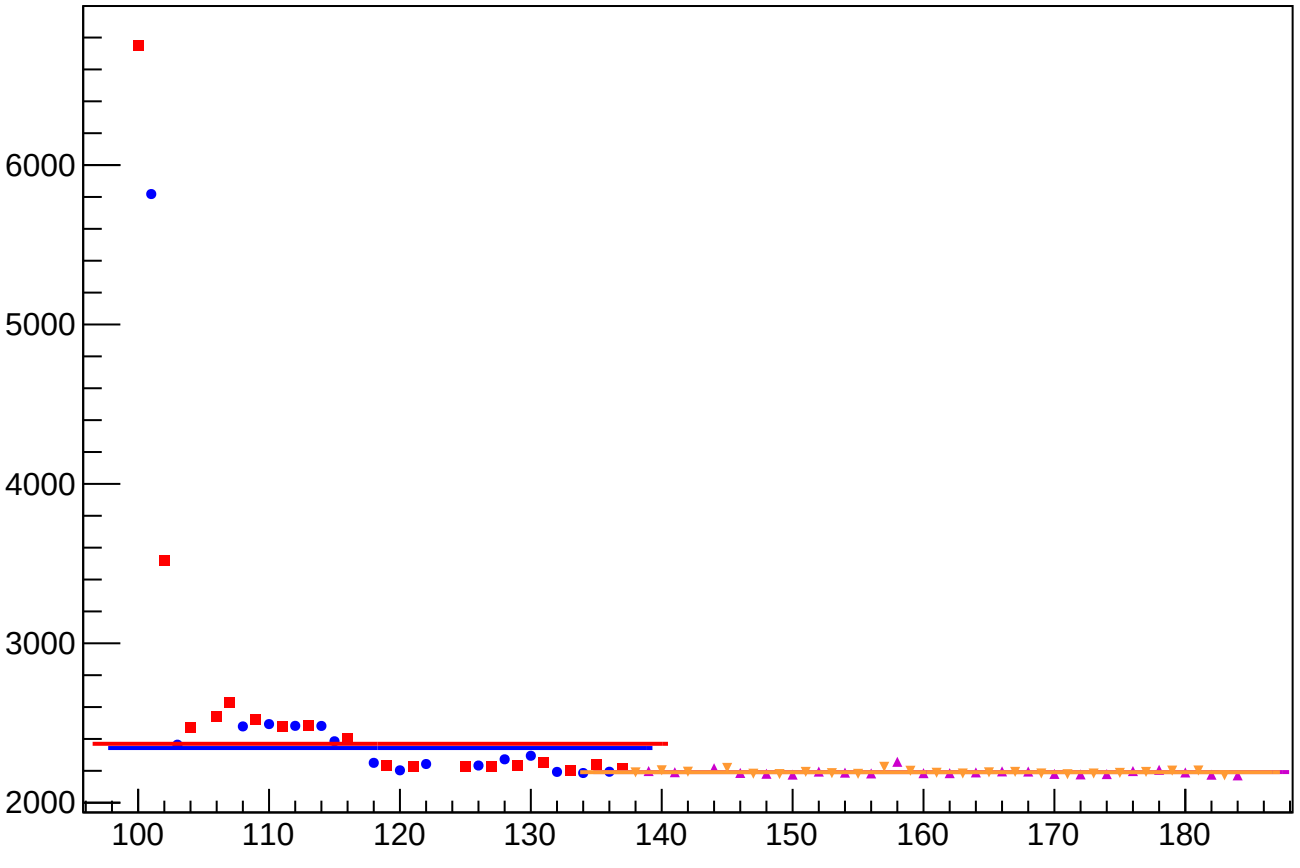
Left: 4004.138+/-362.073 χ^2/NDF: 57.3/45

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4257.328+/-443.226 χ^2/NDF:46.3/38

Out: 3866.568+/-444.010 χ^2/NDF:39.9/40

All: 4062.293+/-313.685 χ^2/NDF: 86.6/79



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: 2192.201+/-0.362 χ^2/NDF:2281.8/22

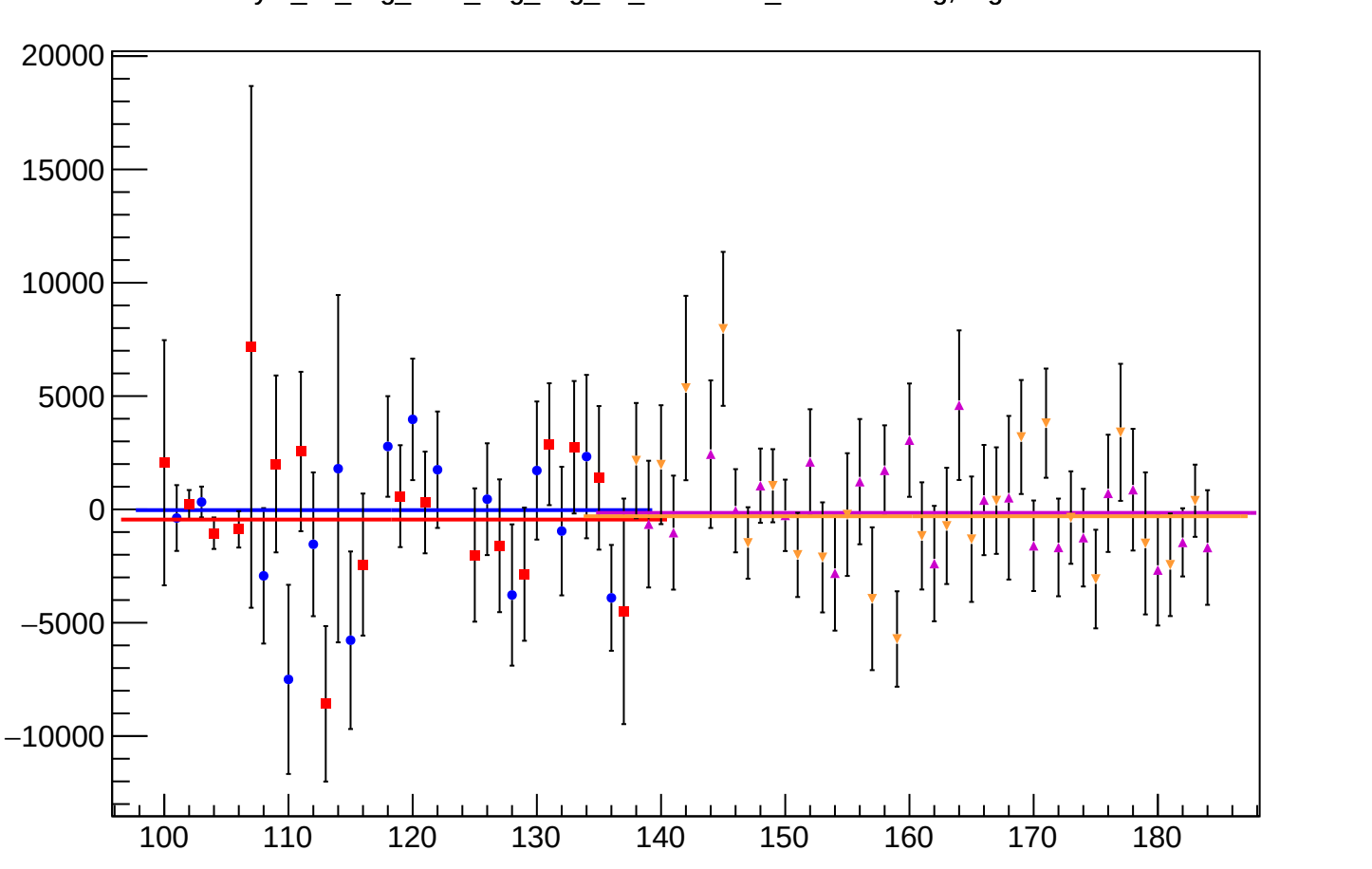
Left: 2191.835+/-0.256 χ^2/NDF: 3457.2/45

Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

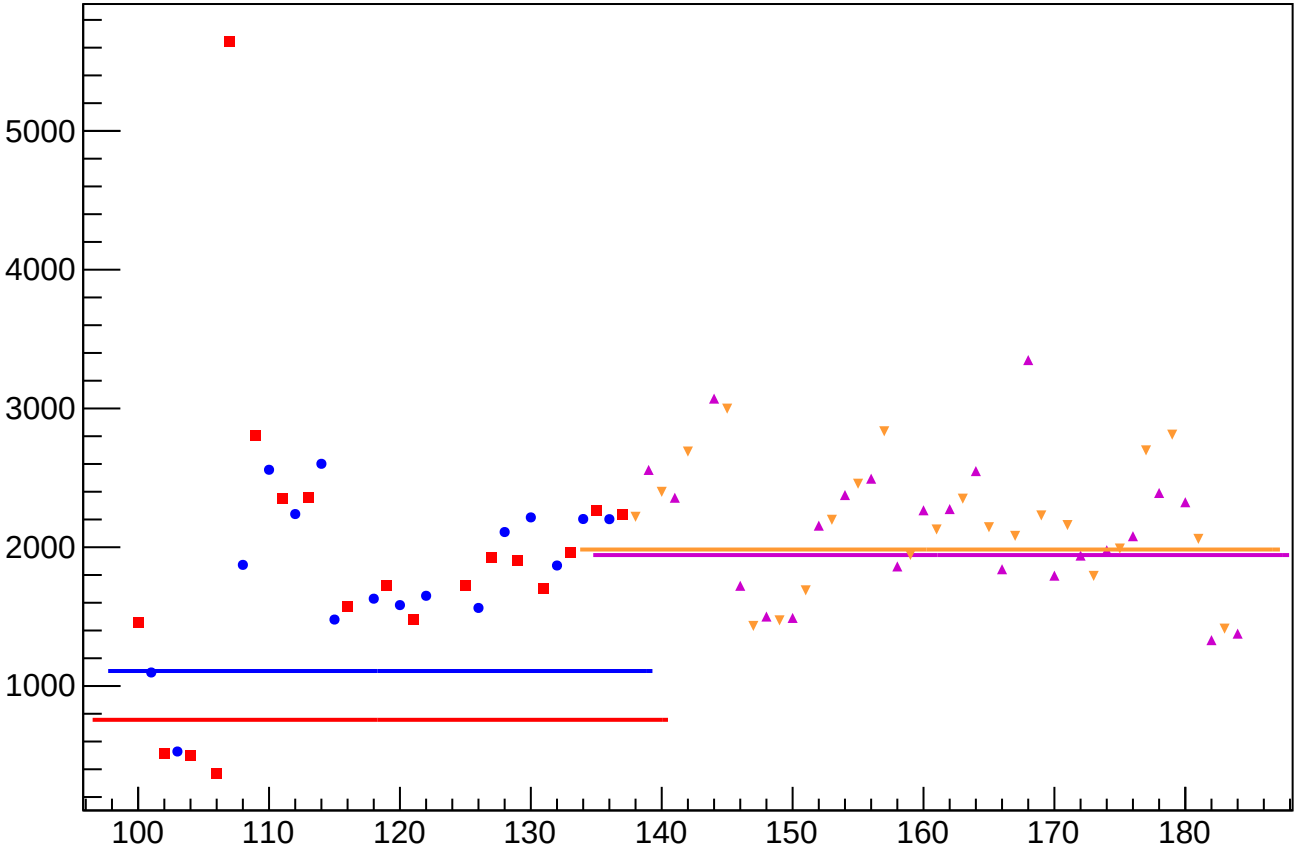
In: 2229.910+/-0.313 χ^2/NDF:548531.2/38

Out: 2235.753+/-0.314 χ^2/NDF:271440.1/40

All: 2232.827+/-0.222 χ^2/NDF: 820144.8/79


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -31.393+/-485.329 χ²/NDF: 16.3/15
Left Out: -301.900+/-477.740 χ²/NDF:29.7/22
Right Out: -448.261+/-362.570 χ²/NDF: 15.1/17
Left In: -154.512+/-467.999 χ²/NDF:12.8/22
Left: -226.688+/-334.316 χ²/NDF: 42.6/45
Right: -298.942+/-290.465 χ²/NDF: 31.9/33
In: -95.190+/-336.885 χ²/NDF:29.2/38
Out: -394.770+/-288.814 χ²/NDF:44.9/40
All: -267.861+/-219.266 χ²/NDF: 74.5/79

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1983.611+/-0.338 χ^2/NDF:1640156.6/22

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

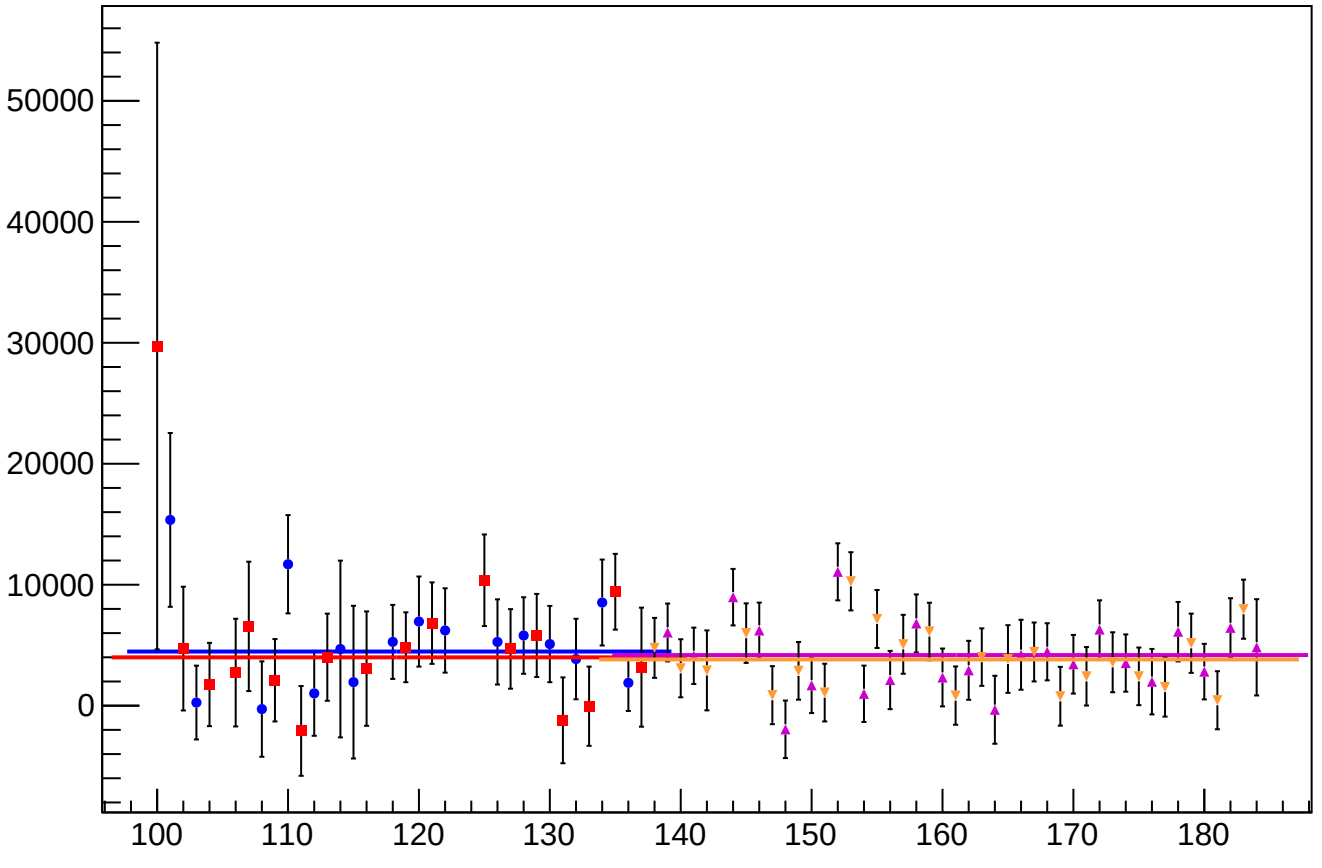
Left: 1963.208+/-0.236 χ^2/NDF: 3530238.9/45

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1541.066+/-0.238 χ^2/NDF:8700644.6/38

Out: 1204.922+/-0.204 χ^2/NDF:15617193.3/40

All: 1347.320+/-0.155 χ^2/NDF: 25465524.7/7



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: 4184.214+/-511.864 χ^2/NDF:32.7/22

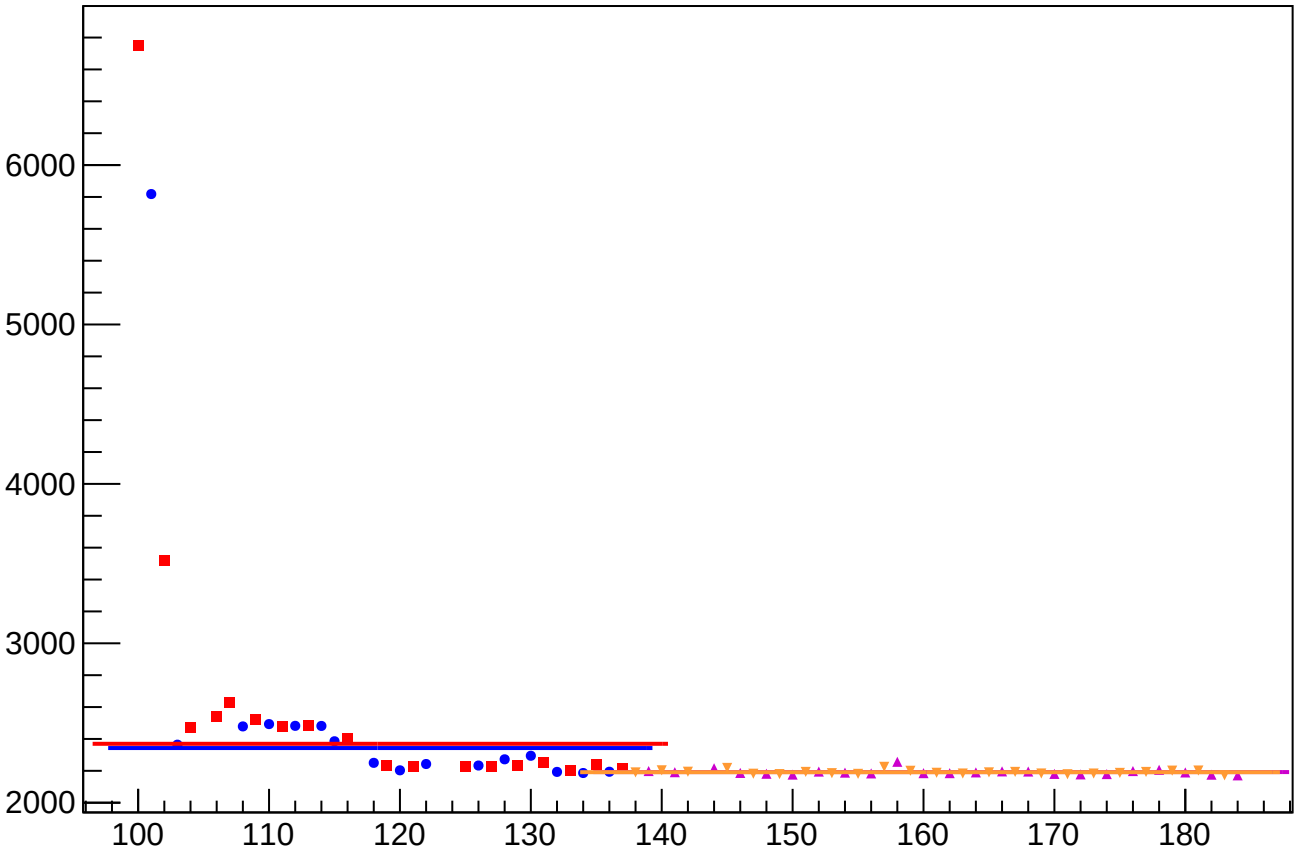
Left: 4004.137+/-362.073 χ^2/NDF: 57.3/45

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4257.328+/-443.226 χ^2/NDF:46.3/38

Out: 3866.566+/-444.010 χ^2/NDF:39.9/40

All: 4062.292+/-313.685 χ^2/NDF: 86.6/79



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: 2192.201+/-0.362 χ^2/NDF:2281.8/22

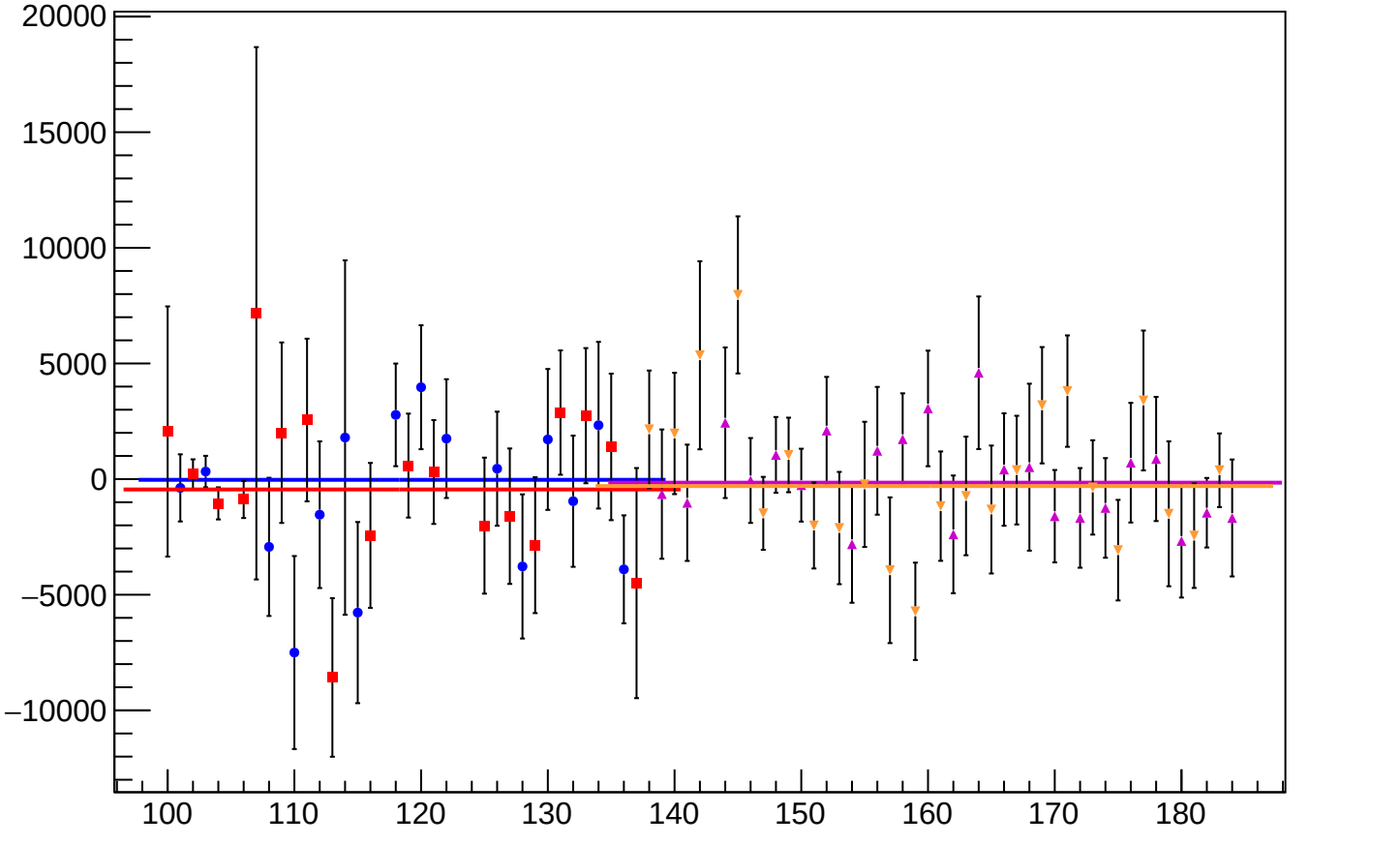
Left: 2191.835+/-0.256 χ^2/NDF: 3457.2/45

Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2229.910+/-0.313 χ^2/NDF:548531.0/38

Out: 2235.753+/-0.314 χ^2/NDF:271438.6/40

All: 2232.826+/-0.222 χ^2/NDF: 820143.1/79



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: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -226.690+/-334.317 χ^2/NDF: 42.6/45

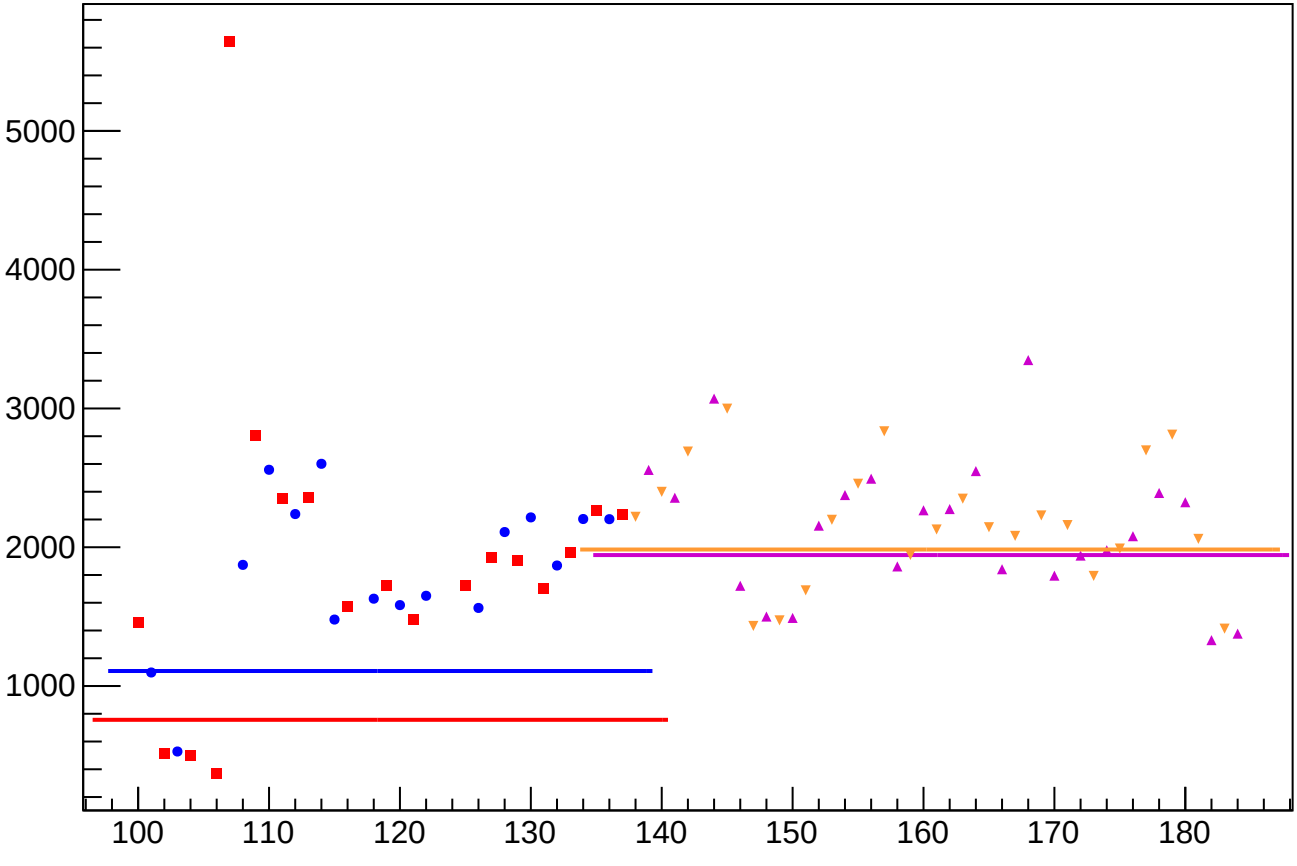
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: -95.193+/-336.886 χ^2/NDF:29.2/38

Out: -394.773+/-288.816 χ^2/NDF:44.9/40

All: -267.864+/-219.268 χ^2/NDF: 74.5/79

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: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

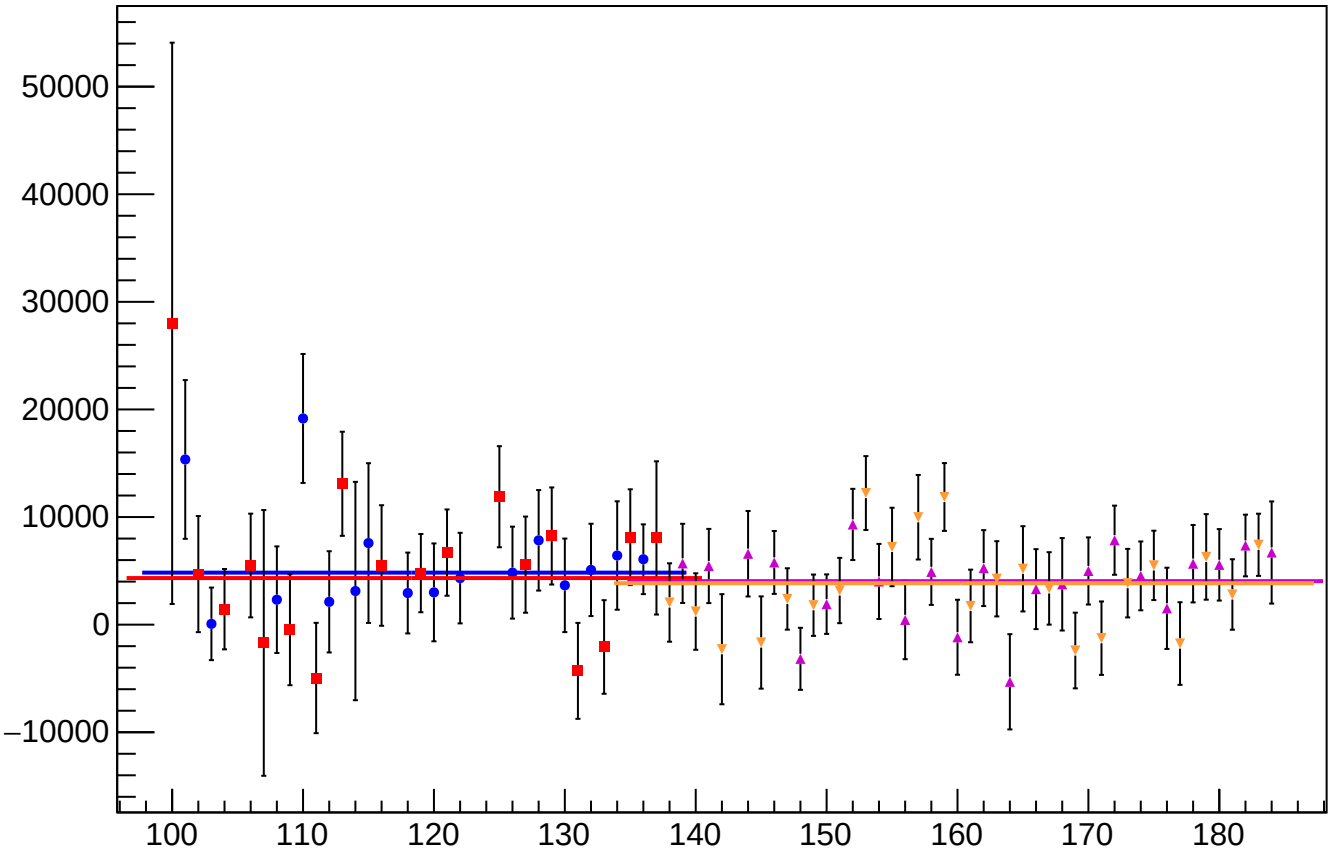
Left: 1963.211+/-0.236 χ^2/NDF: 3530236.2/45

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1541.074+/-0.238 χ^2/NDF:8700499.5/38

Out: 1204.939+/-0.204 χ^2/NDF:15616818.3/40

All: 1347.334+/-0.155 χ^2/NDF: 25464928.1/7



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: 4042.422+/-709.573 χ^2/NDF:22.5/22

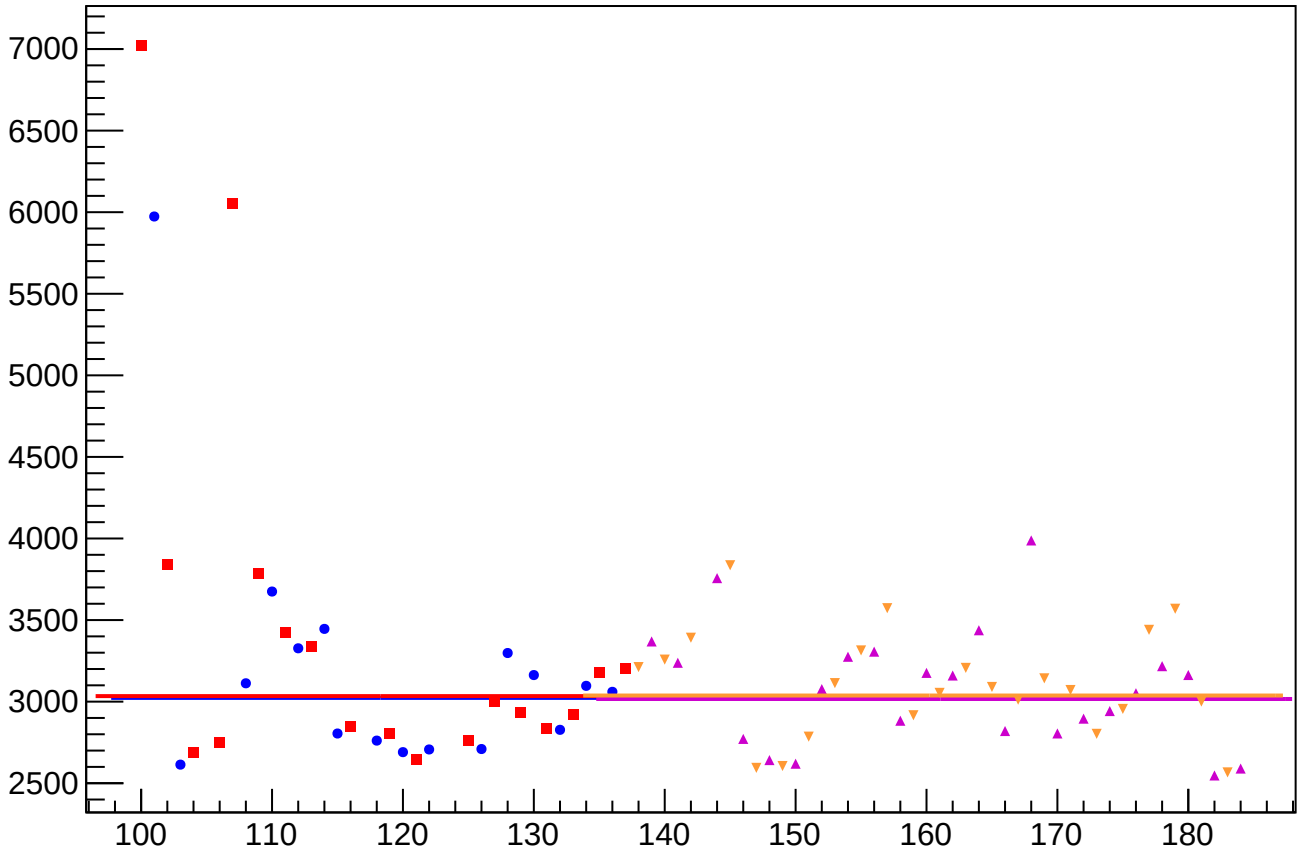
Left: 3946.638+/-503.737 χ^2/NDF: 53.3/45

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4262.700+/-602.784 χ^2/NDF:34.5/38

Out: 3983.922+/-606.549 χ^2/NDF:50.8/40

All: 4124.179+/-427.557 χ^2/NDF: 85.4/79



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: 3016.252+/-0.502 χ^2/NDF:439897.8/22

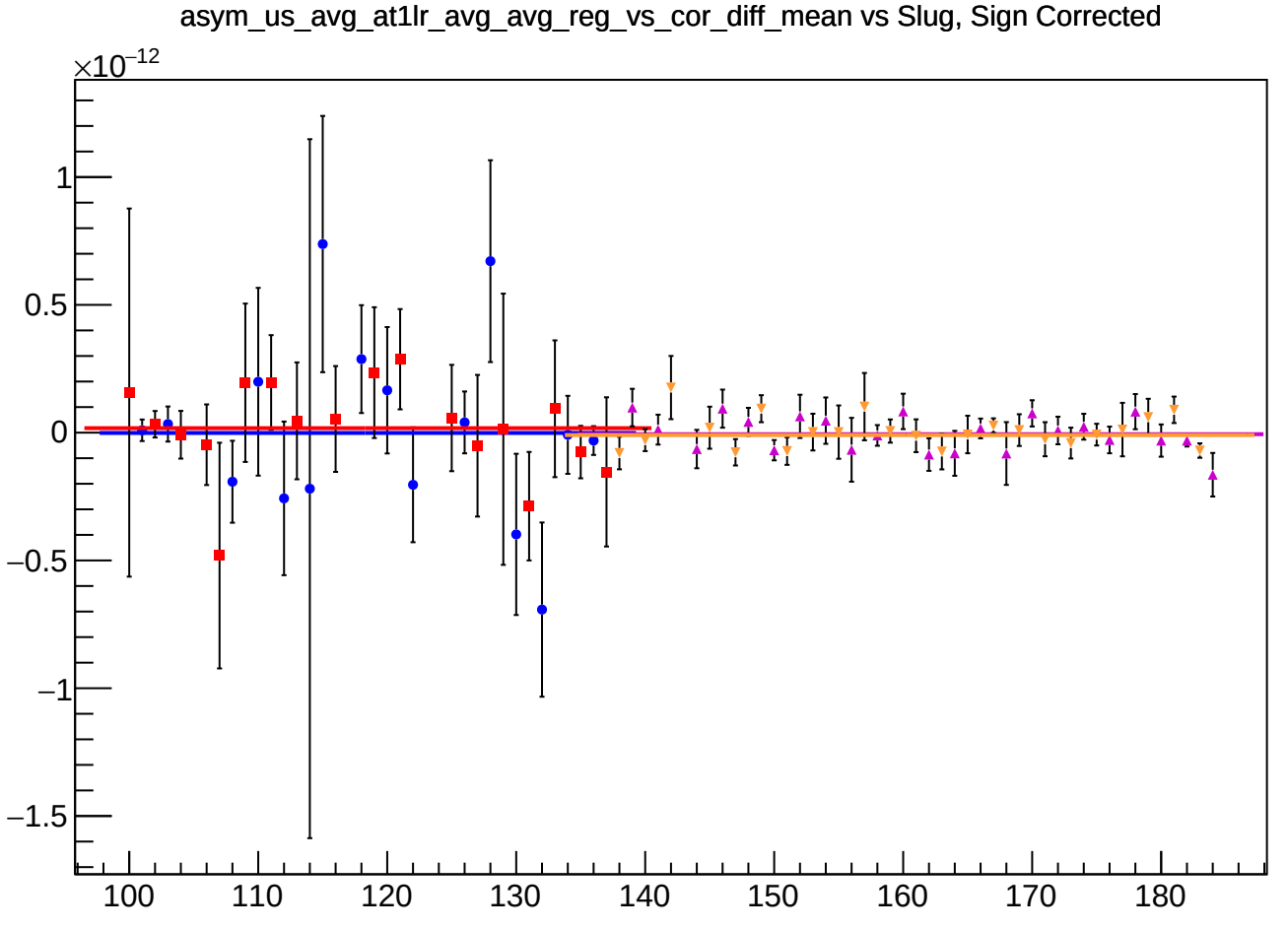
Left: 3026.782+/-0.356 χ^2/NDF: 823261.1/45

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3018.149+/-0.426 χ^2/NDF:883655.0/38

Out: 3036.467+/-0.429 χ^2/NDF:725164.2/40

All: 3027.251+/-0.302 χ^2/NDF: 1609737.0/79



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:23.3/22

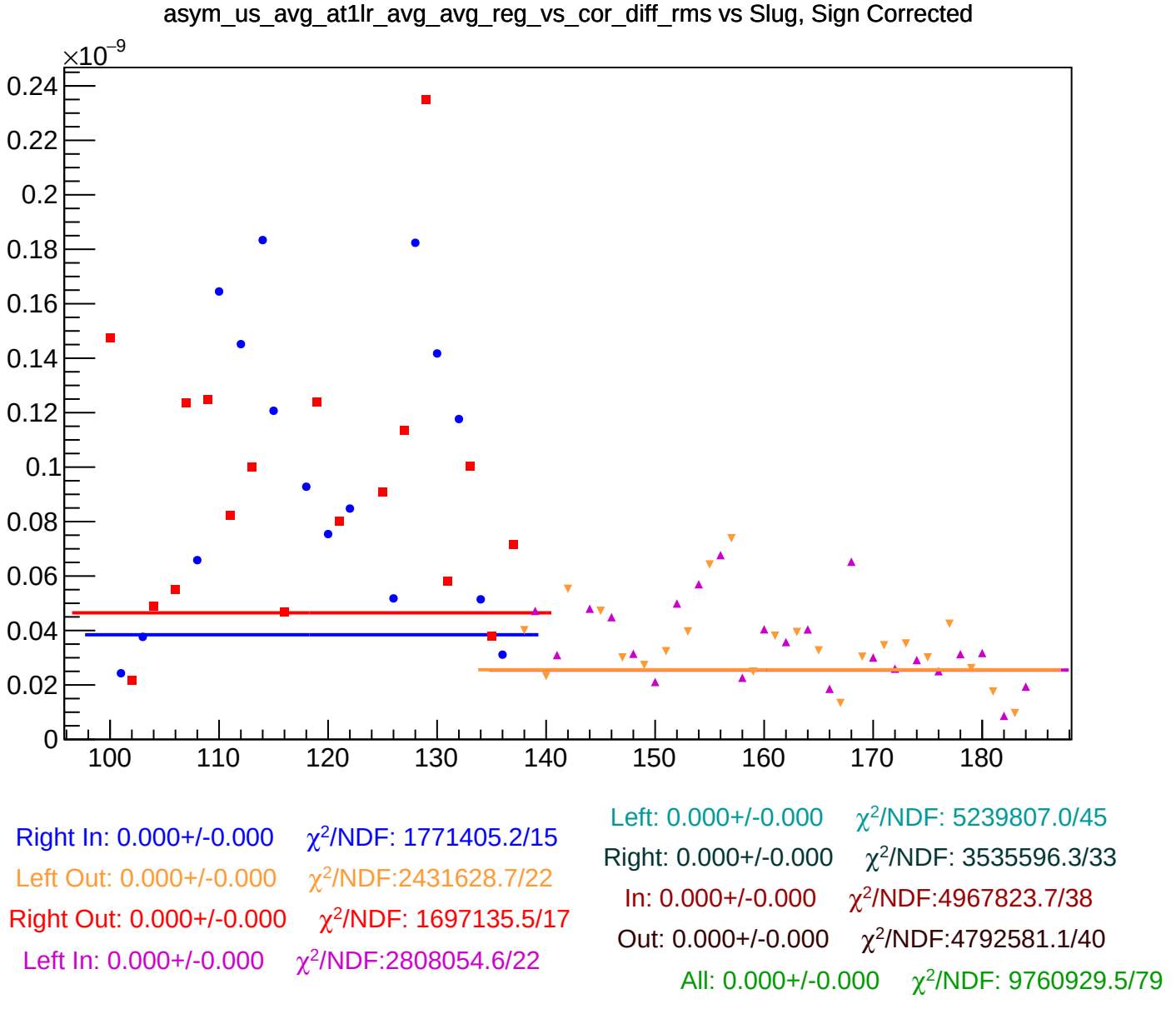
Left: -0.000+/-0.000 χ^2/NDF: 47.1/45

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

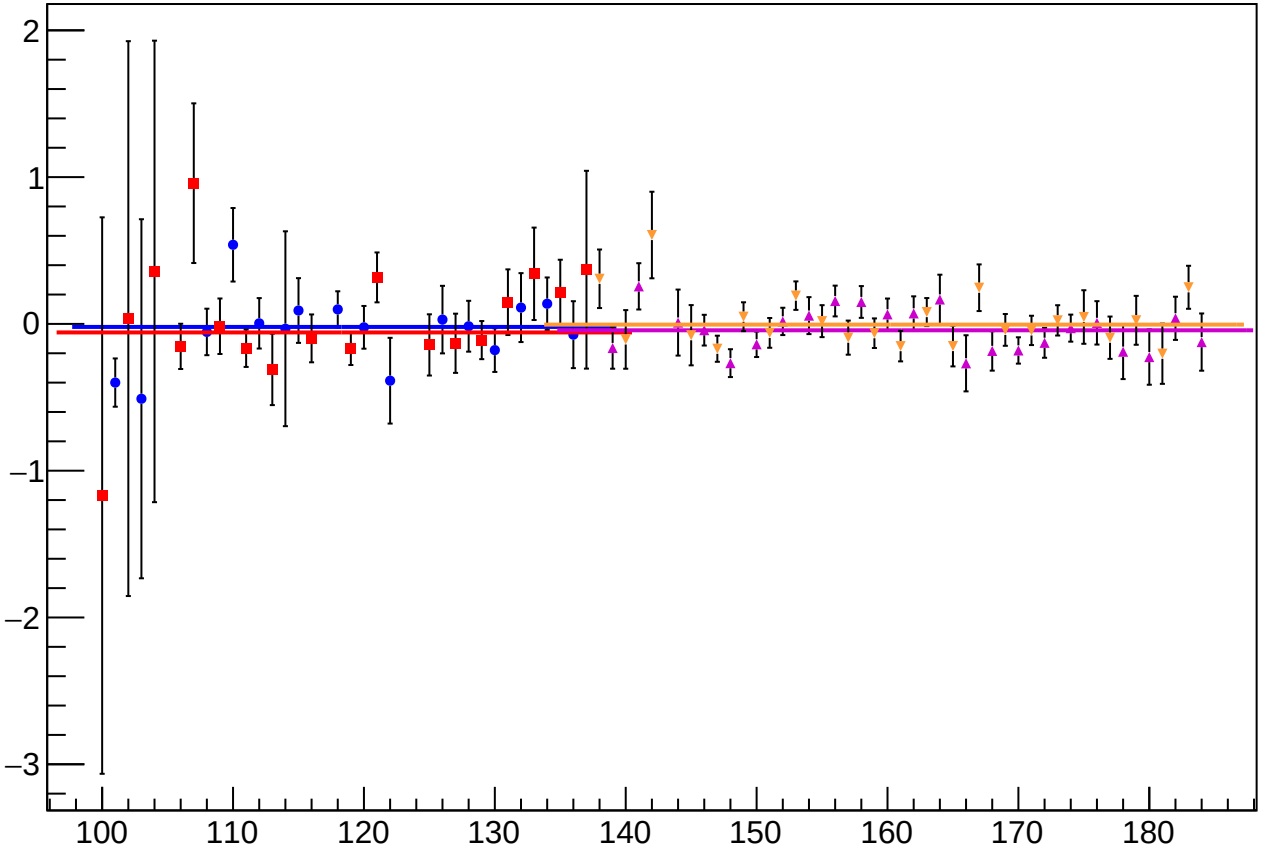
In: -0.000+/-0.000 χ^2/NDF:40.4/38

Out: -0.000+/-0.000 χ^2/NDF:33.3/40

All: -0.000+/-0.000 χ^2/NDF: 73.7/79


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:2808054.6/22
Left: 0.000+/-0.000 χ²/NDF: 5239807.0/45
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:4967823.7/38
Out: 0.000+/-0.000 χ²/NDF:4792581.1/40
All: 0.000+/-0.000 χ²/NDF: 9760929.5/79

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: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 58.9/45

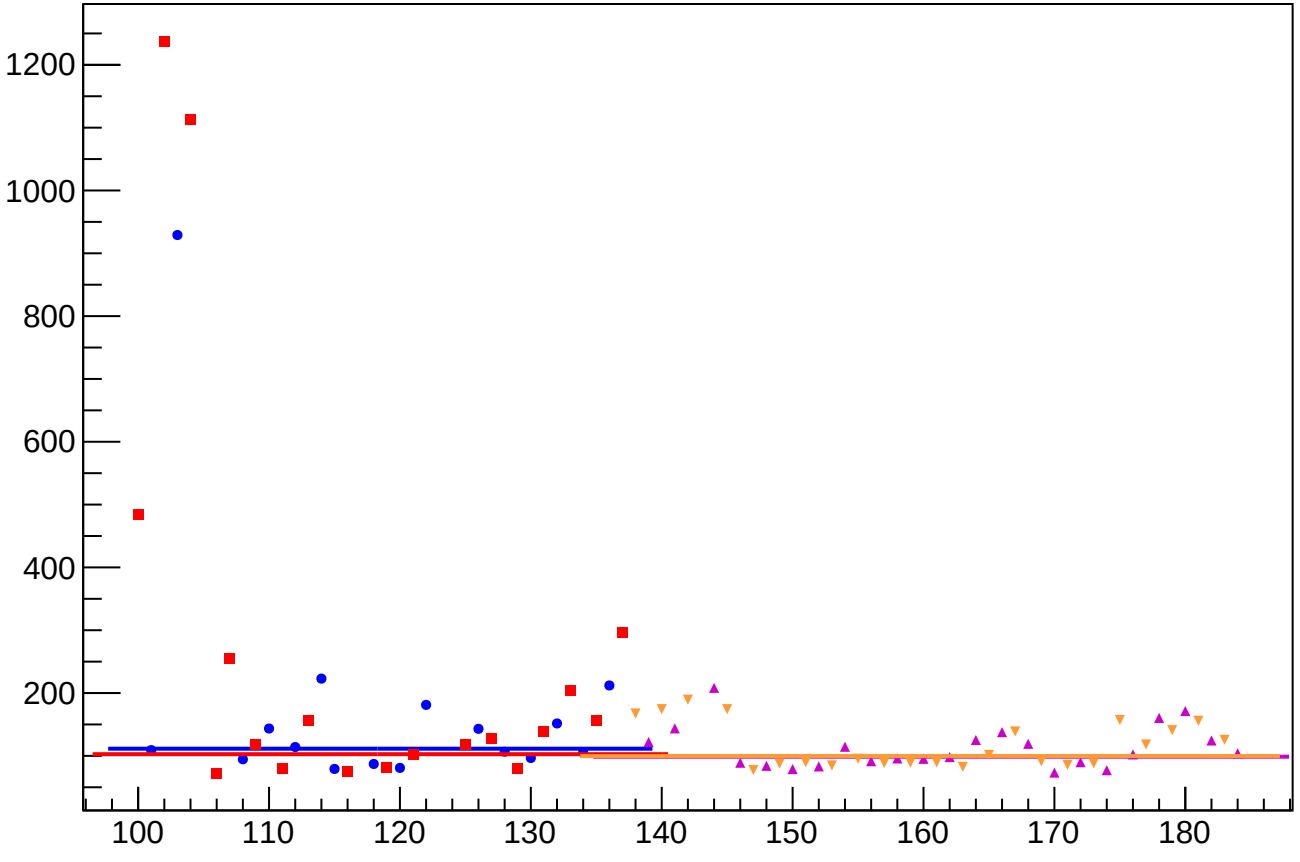
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.039+/-0.022 χ^2/NDF:46.1/38

Out: -0.017+/-0.022 χ^2/NDF:45.3/40

All: -0.028+/-0.016 χ^2/NDF: 91.8/79

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: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.136+/-0.013 χ^2/NDF: 4075581.8/45

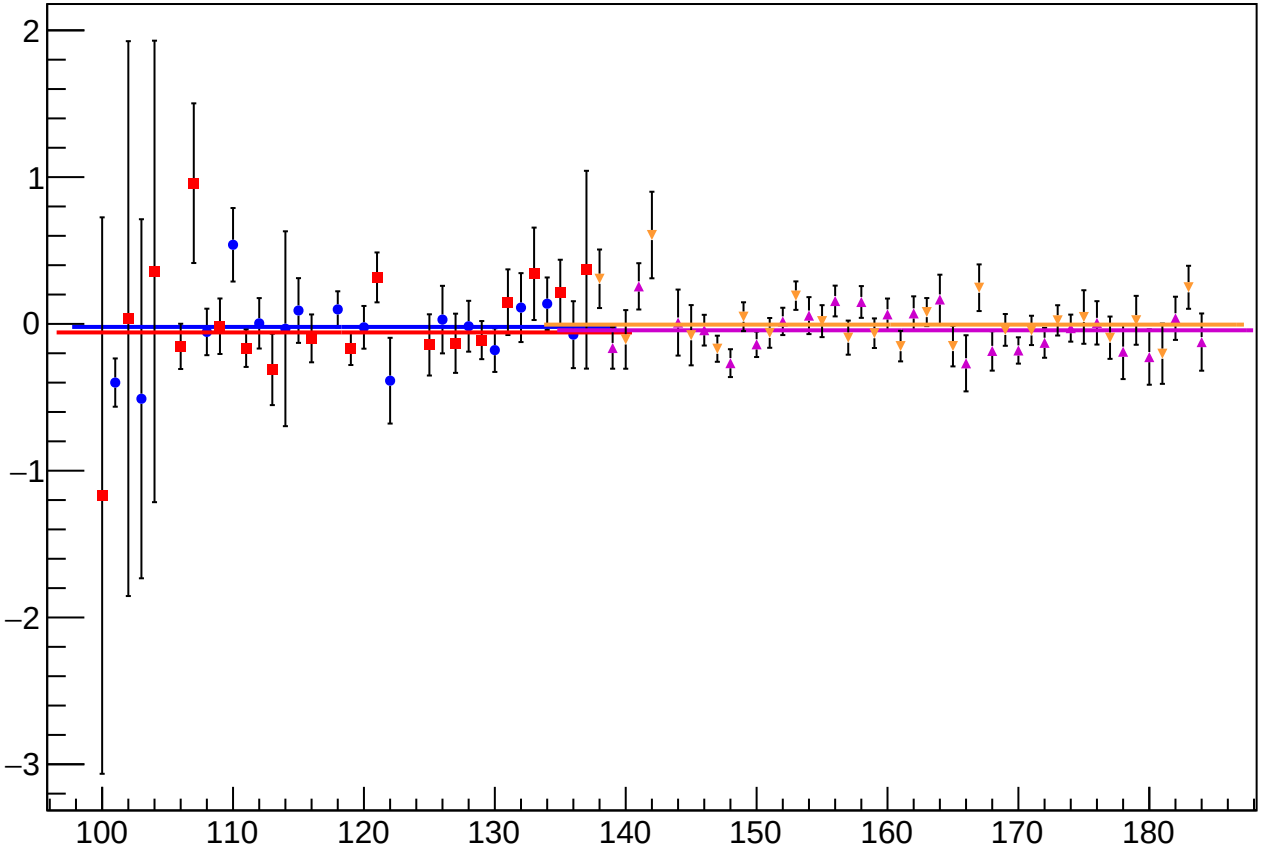
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.431+/-0.016 χ^2/NDF:3954753.9/38

Out: 100.331+/-0.016 χ^2/NDF:4904289.6/40

All: 100.886+/-0.011 χ^2/NDF: 8861483.0/79

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.005+/-0.026 χ^2/NDF:27.4/22

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 58.9/45

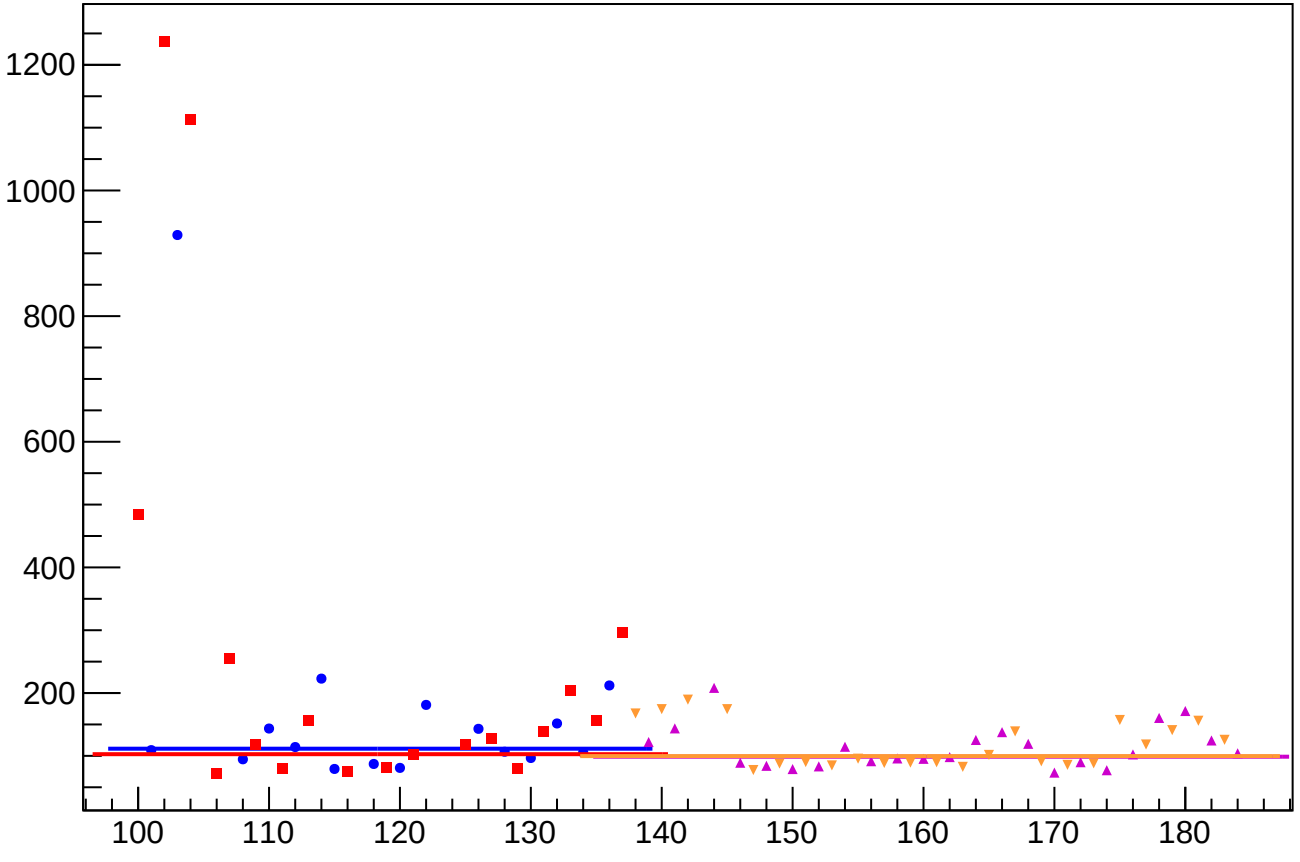
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.039+/-0.022 χ^2/NDF:46.1/38

Out: -0.017+/-0.022 χ^2/NDF:45.3/40

All: -0.028+/-0.016 χ^2/NDF: 91.8/79

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 99.622+/-0.018 χ^2/NDF:2070799.2/22

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

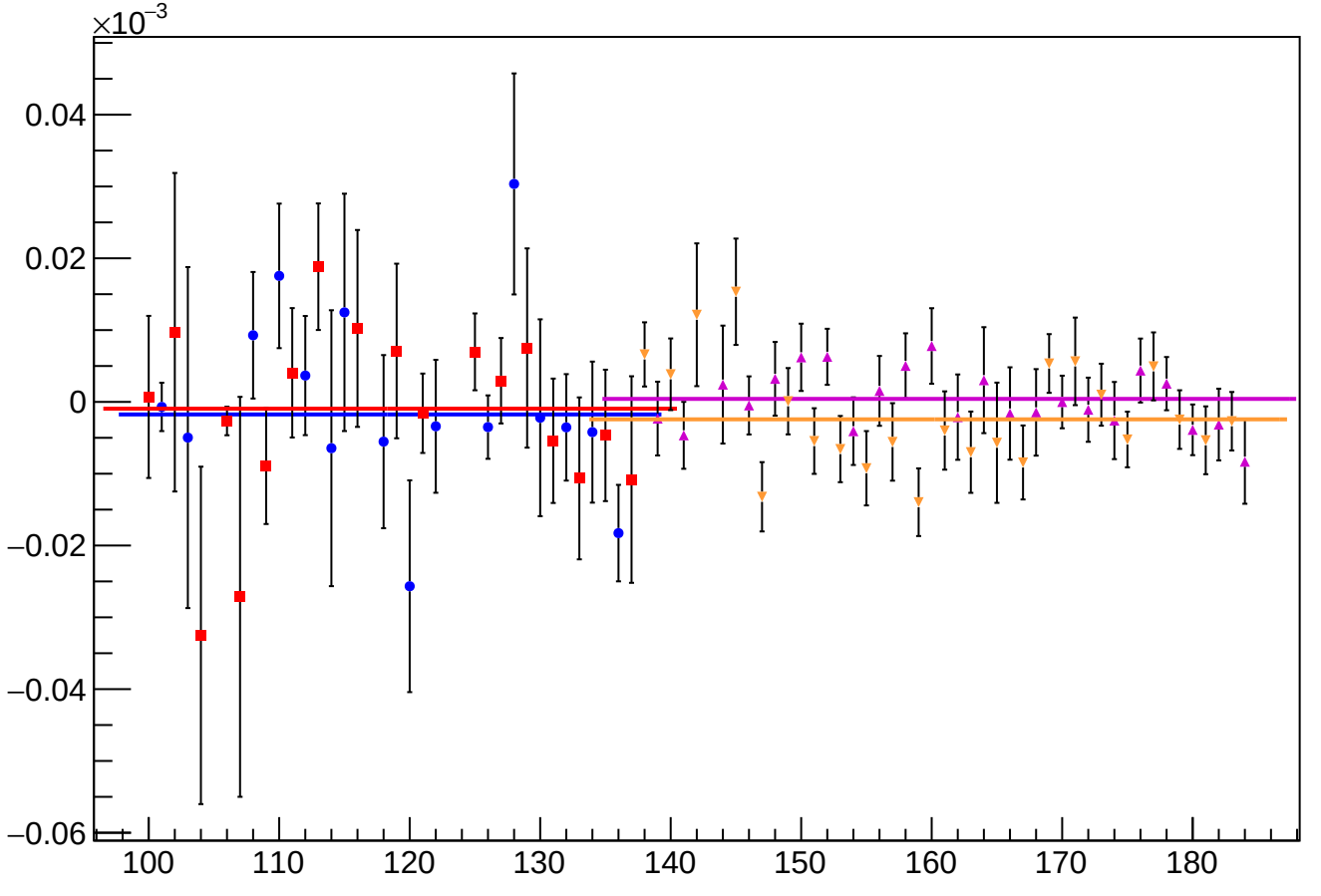
Left: 99.136+/-0.013 χ^2/NDF: 4075581.8/45

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.431+/-0.016 χ^2/NDF:3954753.9/38

Out: 100.331+/-0.016 χ^2/NDF:4904289.6/40

All: 100.886+/-0.011 χ^2/NDF: 8861483.0/79



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:15.9/22

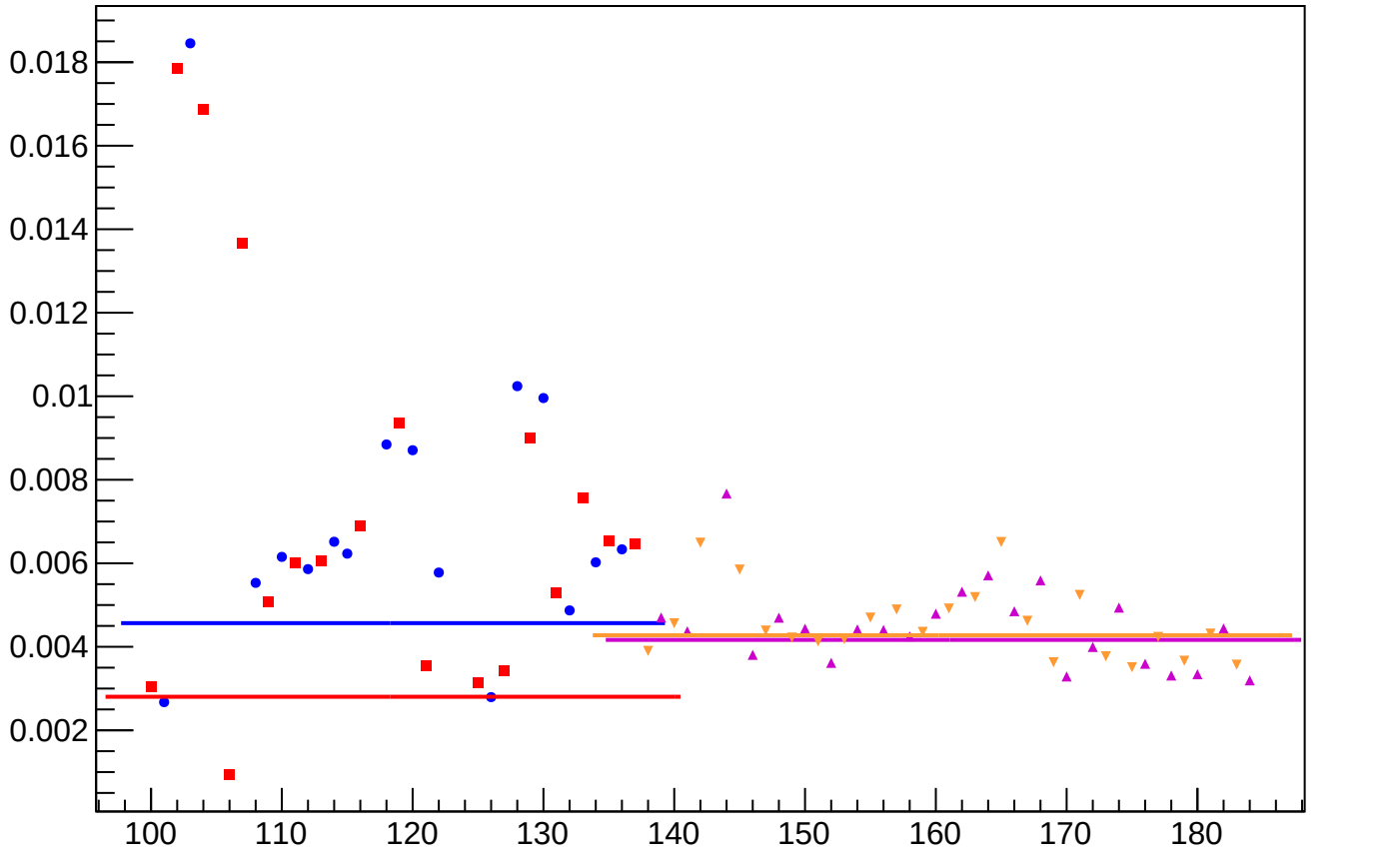
Left: -0.000+/-0.000 χ^2/NDF: 59.7/45

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

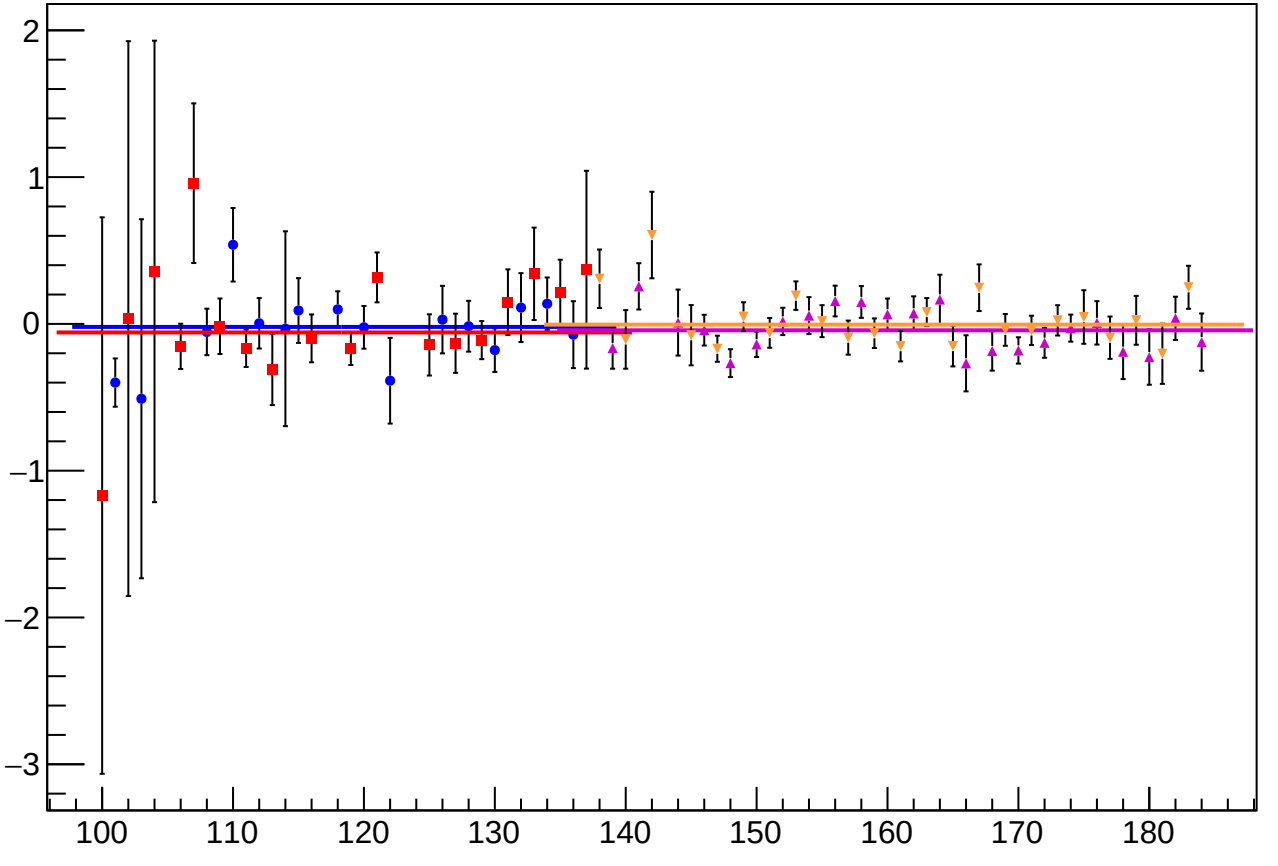
In: -0.000+/-0.000 χ^2/NDF:36.9/38

Out: -0.000+/-0.000 χ^2/NDF:56.2/40

All: -0.000+/-0.000 χ^2/NDF: 95.6/79


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:796256.5/22
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:1277434.2/22
Left: 0.004+/-0.000 χ²/NDF: 2085750.3/45
Right: 0.003+/-0.000 χ²/NDF: 10674508.6/33
In: 0.004+/-0.000 χ²/NDF:4357994.8/38
Out: 0.004+/-0.000 χ²/NDF:8748400.4/40
All: 0.004+/-0.000 χ²/NDF: 13379482.5/79

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: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 58.9/45

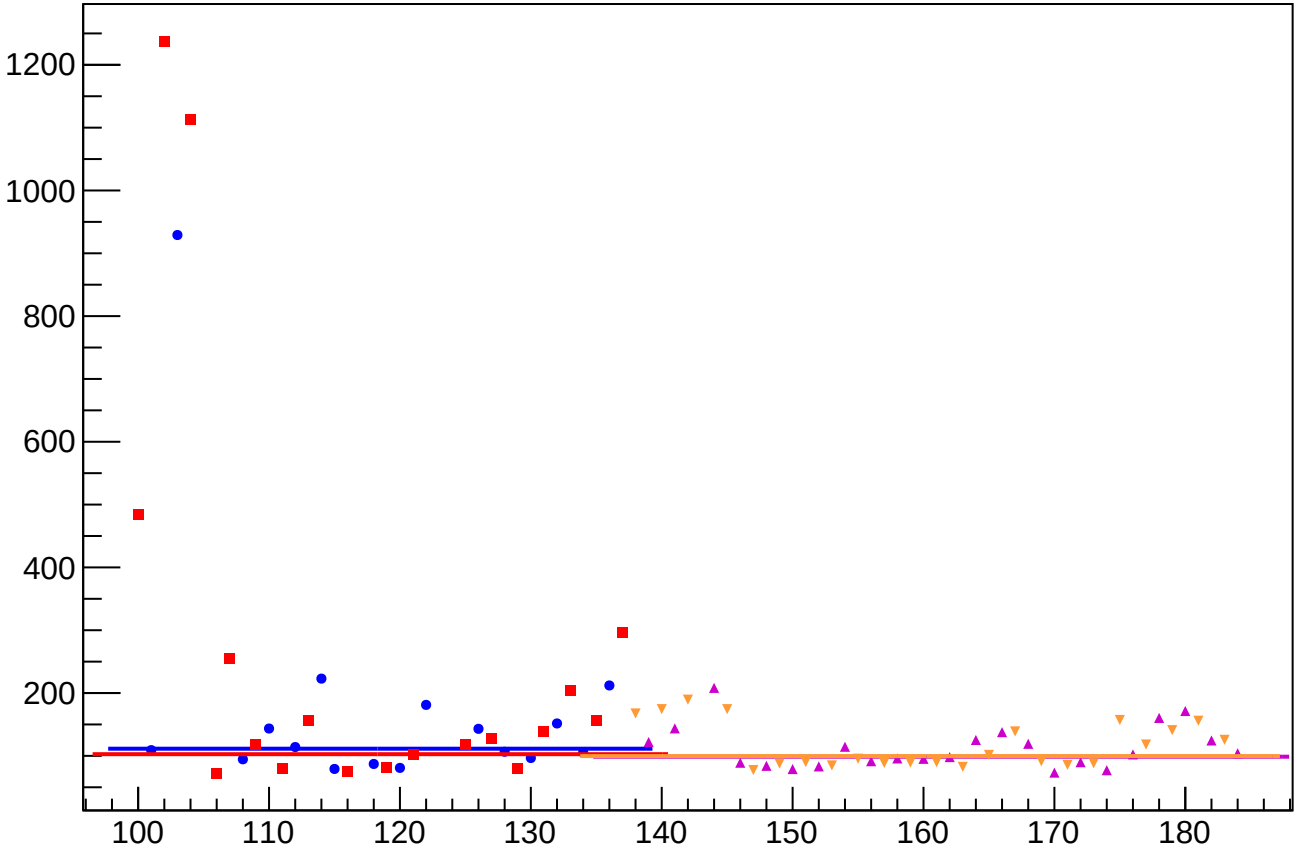
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.039+/-0.022 χ^2/NDF:46.1/38

Out: -0.017+/-0.022 χ^2/NDF:45.3/40

All: -0.028+/-0.016 χ^2/NDF: 91.8/79

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: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.137+/-0.013 χ^2/NDF: 4075515.7/45

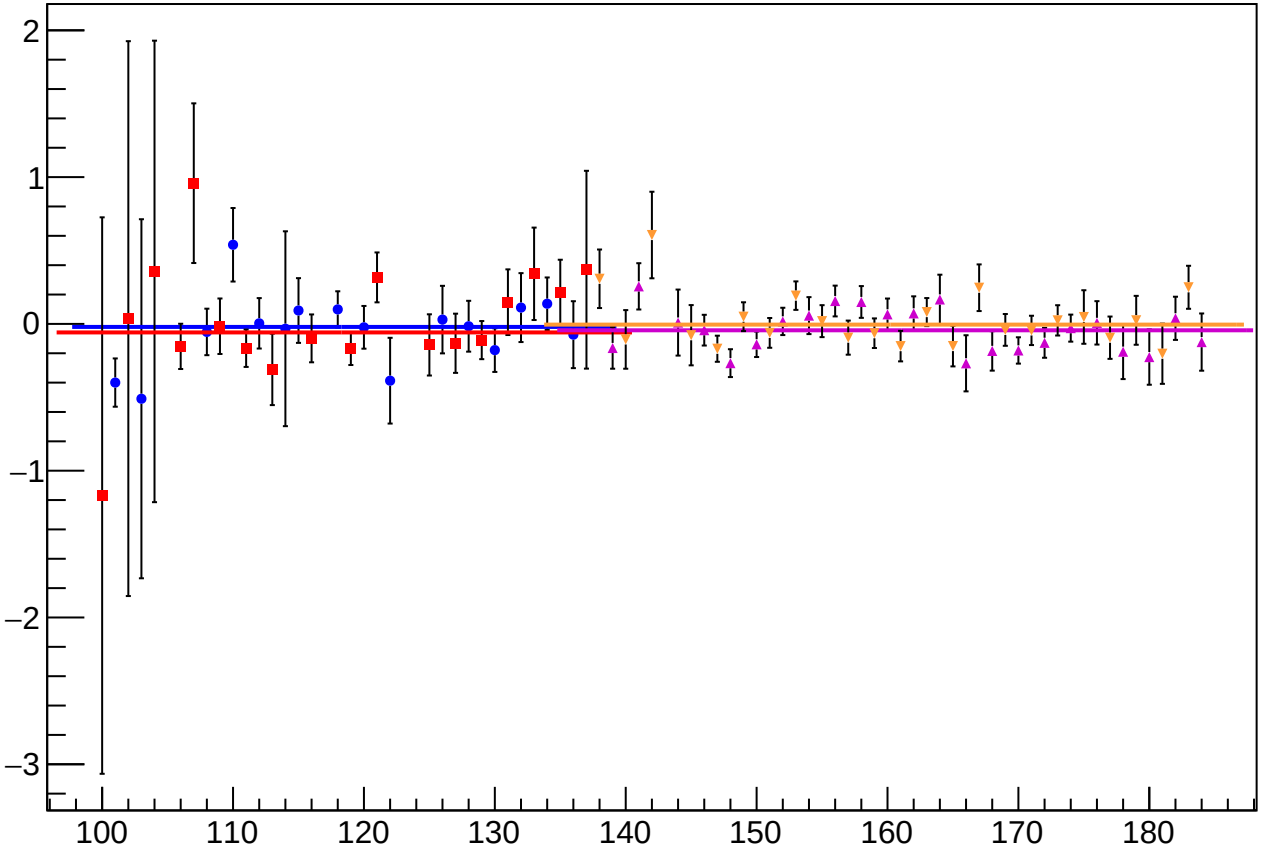
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.431+/-0.016 χ^2/NDF:3954716.0/38

Out: 100.331+/-0.016 χ^2/NDF:4904240.7/40

All: 100.886+/-0.011 χ^2/NDF: 8861394.7/79

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: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 58.9/45

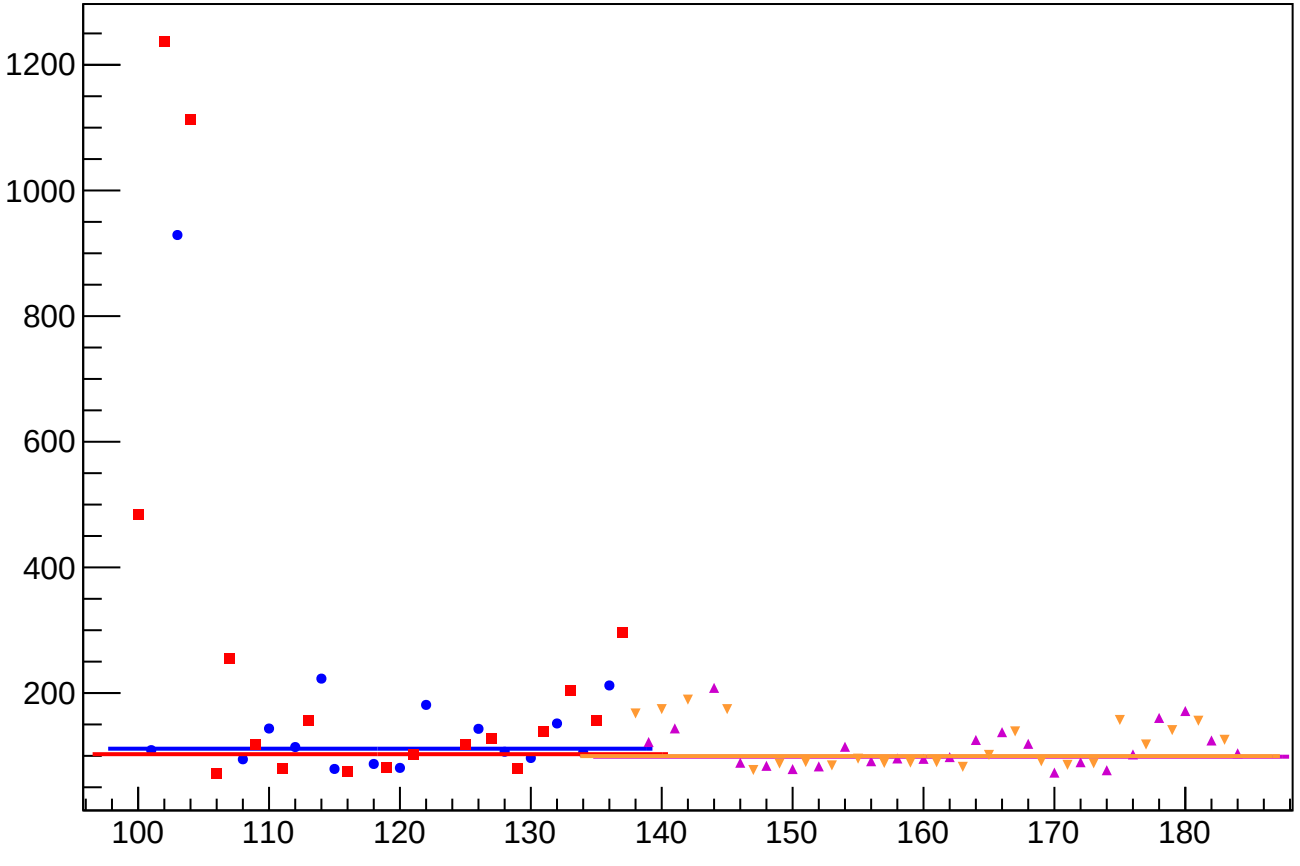
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.039+/-0.022 χ^2/NDF:46.1/38

Out: -0.017+/-0.022 χ^2/NDF:45.3/40

All: -0.028+/-0.016 χ^2/NDF: 91.8/79

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: 98.669+/-0.018 χ^2/NDF:2003332.7/22

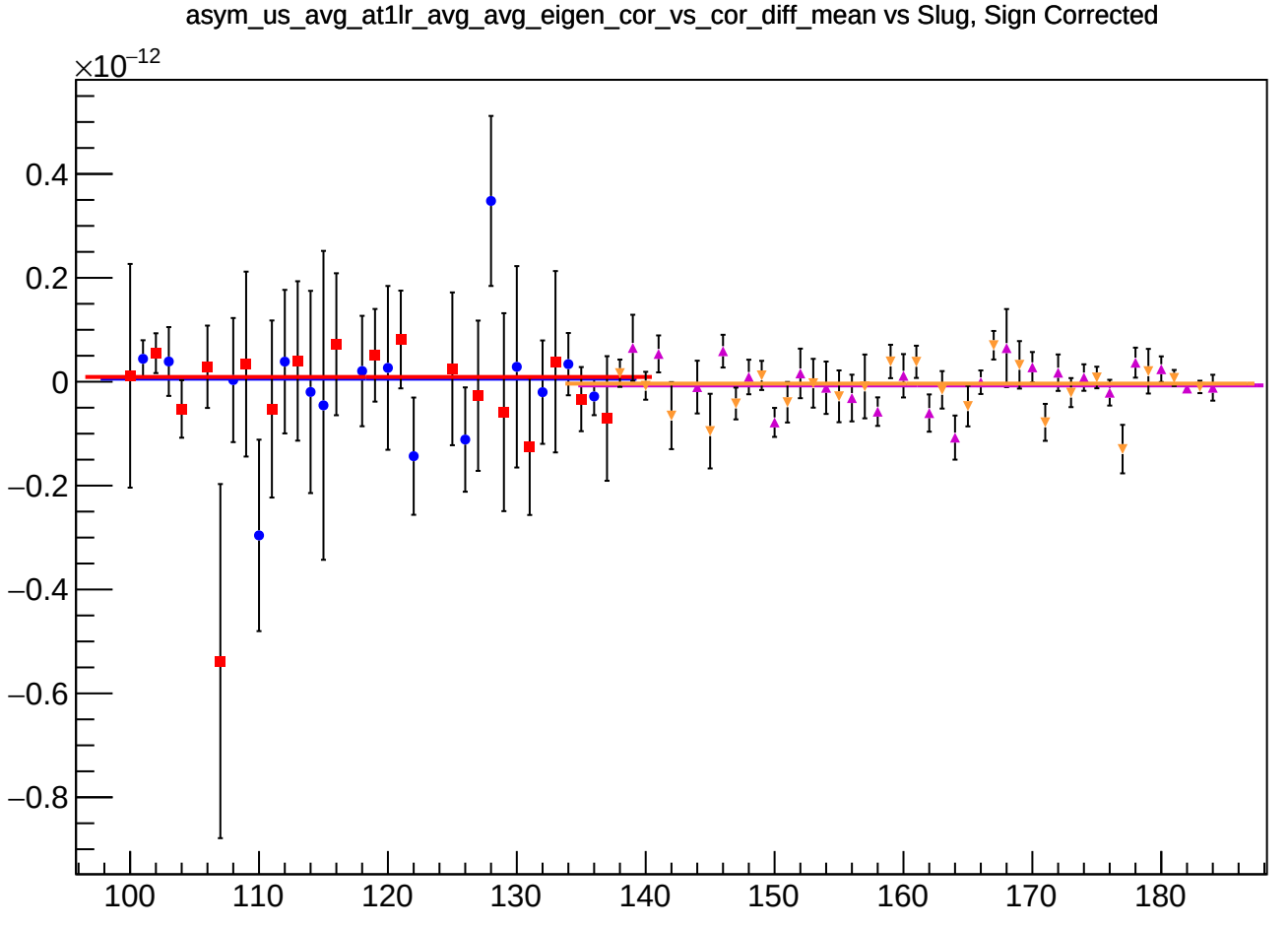
Left: 99.137+/-0.013 χ^2/NDF: 4075515.7/45

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.431+/-0.016 χ^2/NDF:3954716.0/38

Out: 100.331+/-0.016 χ^2/NDF:4904240.7/40

All: 100.886+/-0.011 χ^2/NDF: 8861394.7/79



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:35.2/22

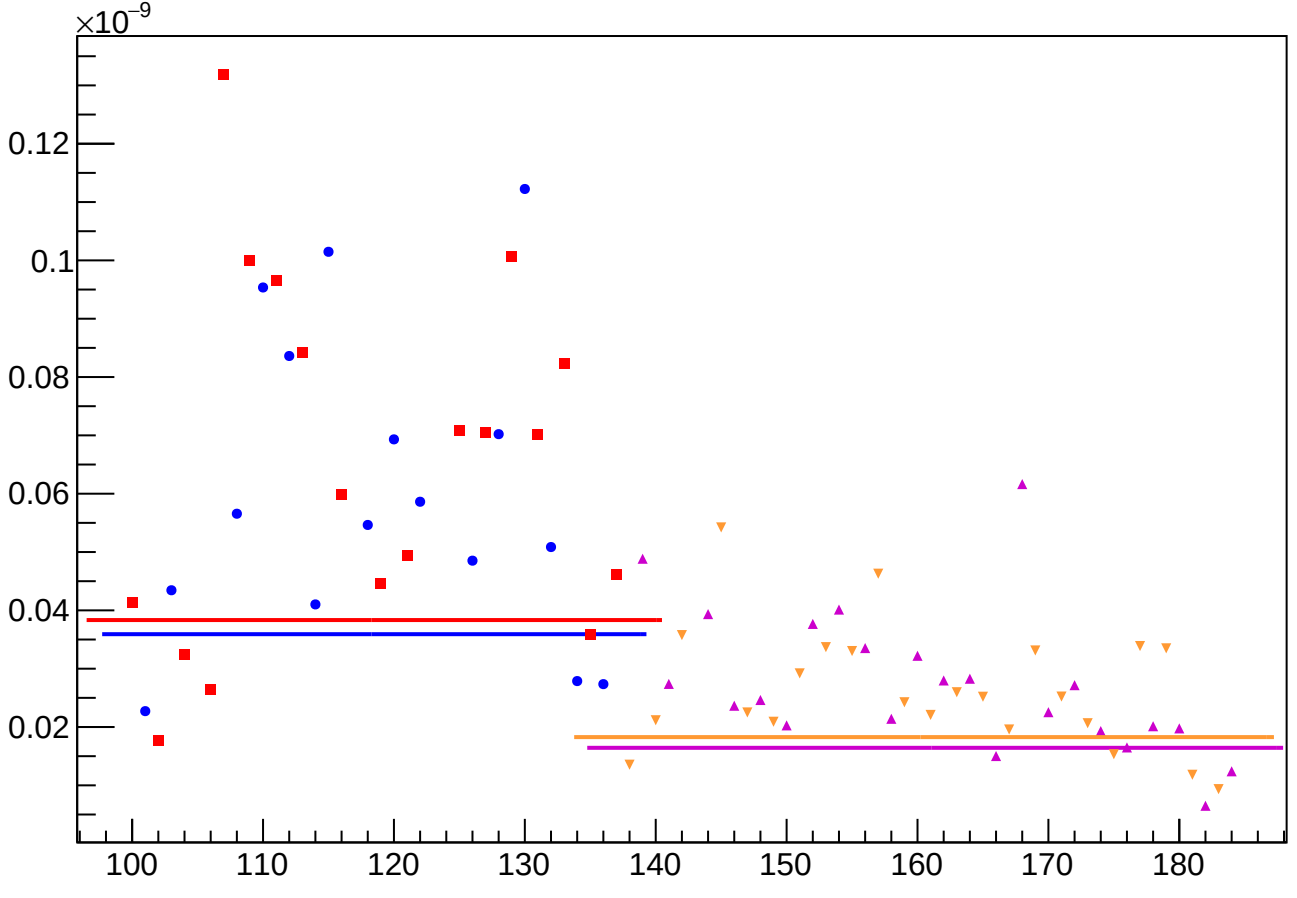
Left: -0.000+/-0.000 χ^2/NDF: 67.8/45

Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: -0.000+/-0.000 χ^2/NDF:48.5/38

Out: -0.000+/-0.000 χ^2/NDF:41.4/40

All: -0.000+/-0.000 χ^2/NDF: 90.1/79



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4298271.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

Left: 0.000+/-0.000 χ^2/NDF: 11411908.9/45

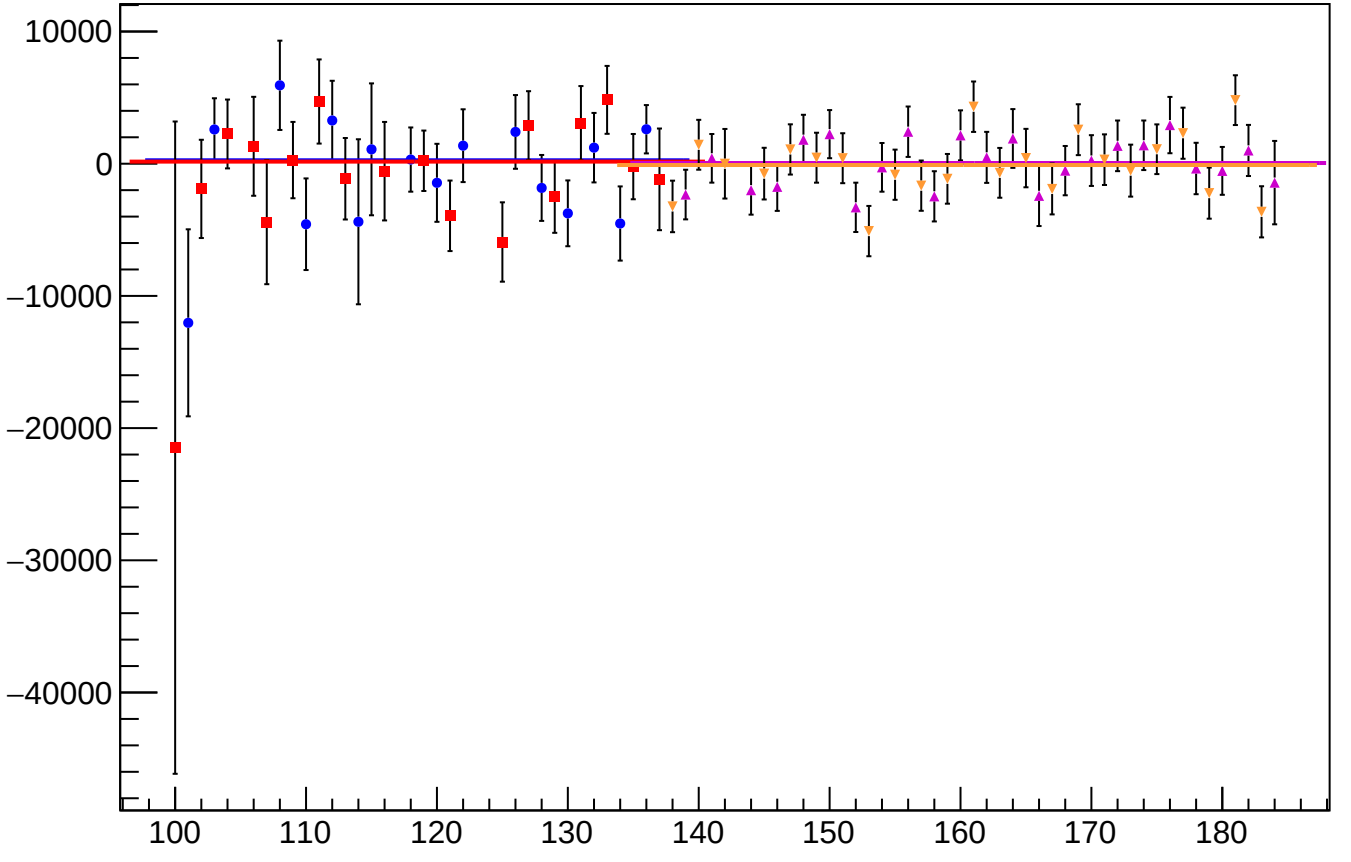
Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:10677481.6/38

Out: 0.000+/-0.000 χ^2/NDF:8107464.1/40

All: 0.000+/-0.000 χ^2/NDF: 18891304.9/79

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: 52.796+/-404.703 χ^2/NDF:19.4/22

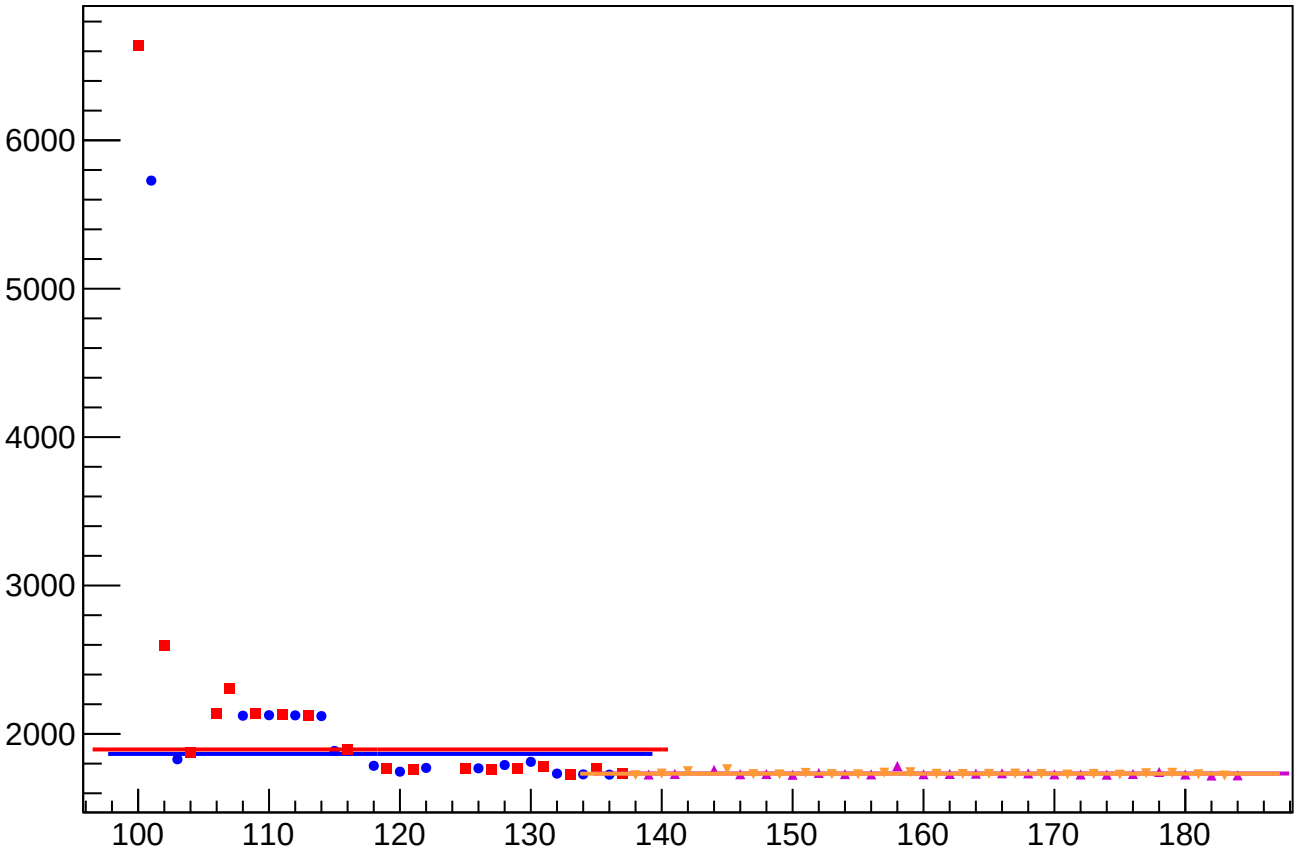
Left: -22.688+/-286.222 χ^2/NDF: 53.1/45

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: 103.519+/-351.559 χ^2/NDF:38.9/38

Out: -35.343+/-351.977 χ^2/NDF:51.8/40

All: 34.170+/-248.737 χ^2/NDF: 90.8/79



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: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.752+/-0.202 χ^2/NDF: 3140.2/45

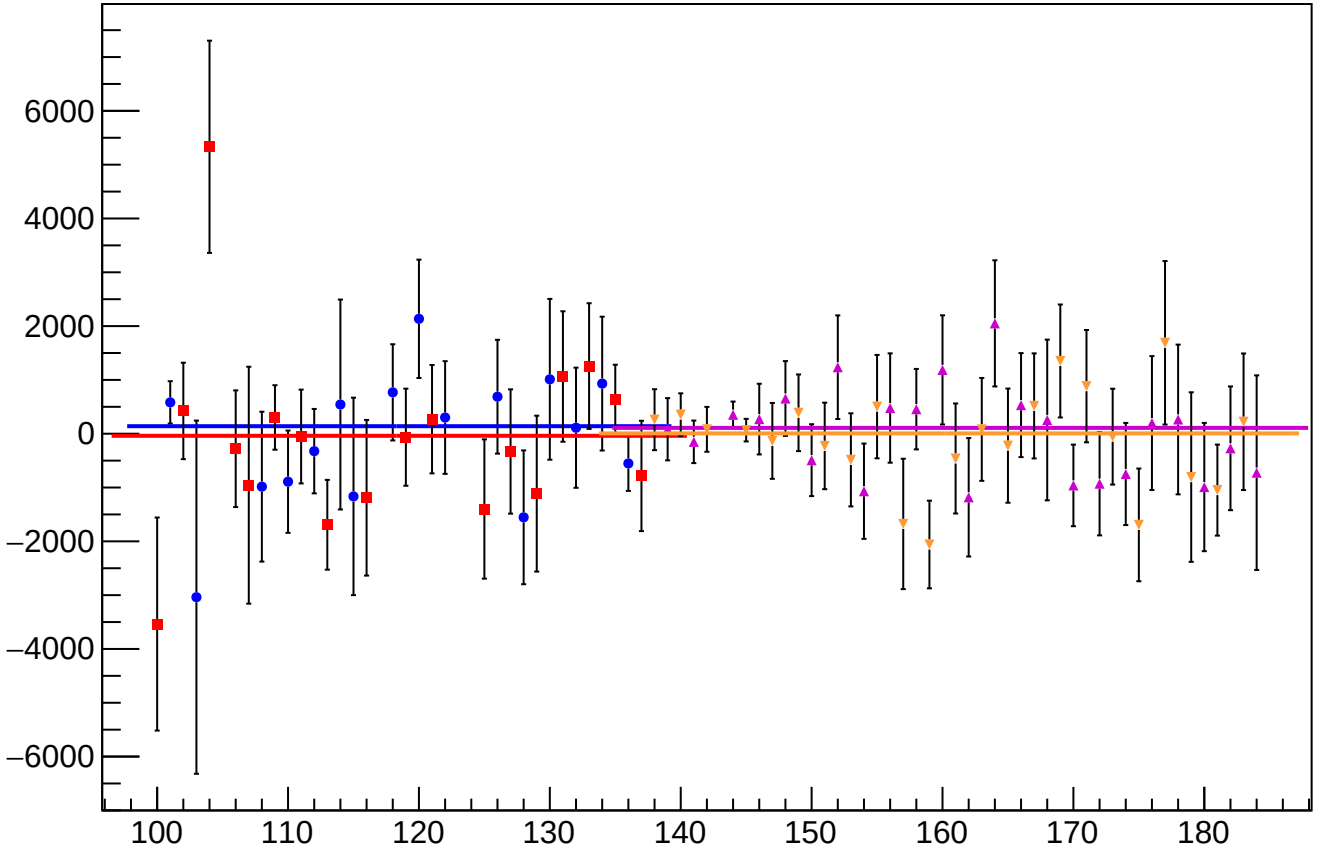
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1765.671+/-0.249 χ^2/NDF:727050.6/38

Out: 1772.002+/-0.249 χ^2/NDF:330925.9/40

All: 1768.832+/-0.176 χ^2/NDF: 1058300.5/79

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 6.028+/-130.277 χ^2/NDF:19.1/22

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 52.341+/-96.400 χ^2/NDF: 36.3/45

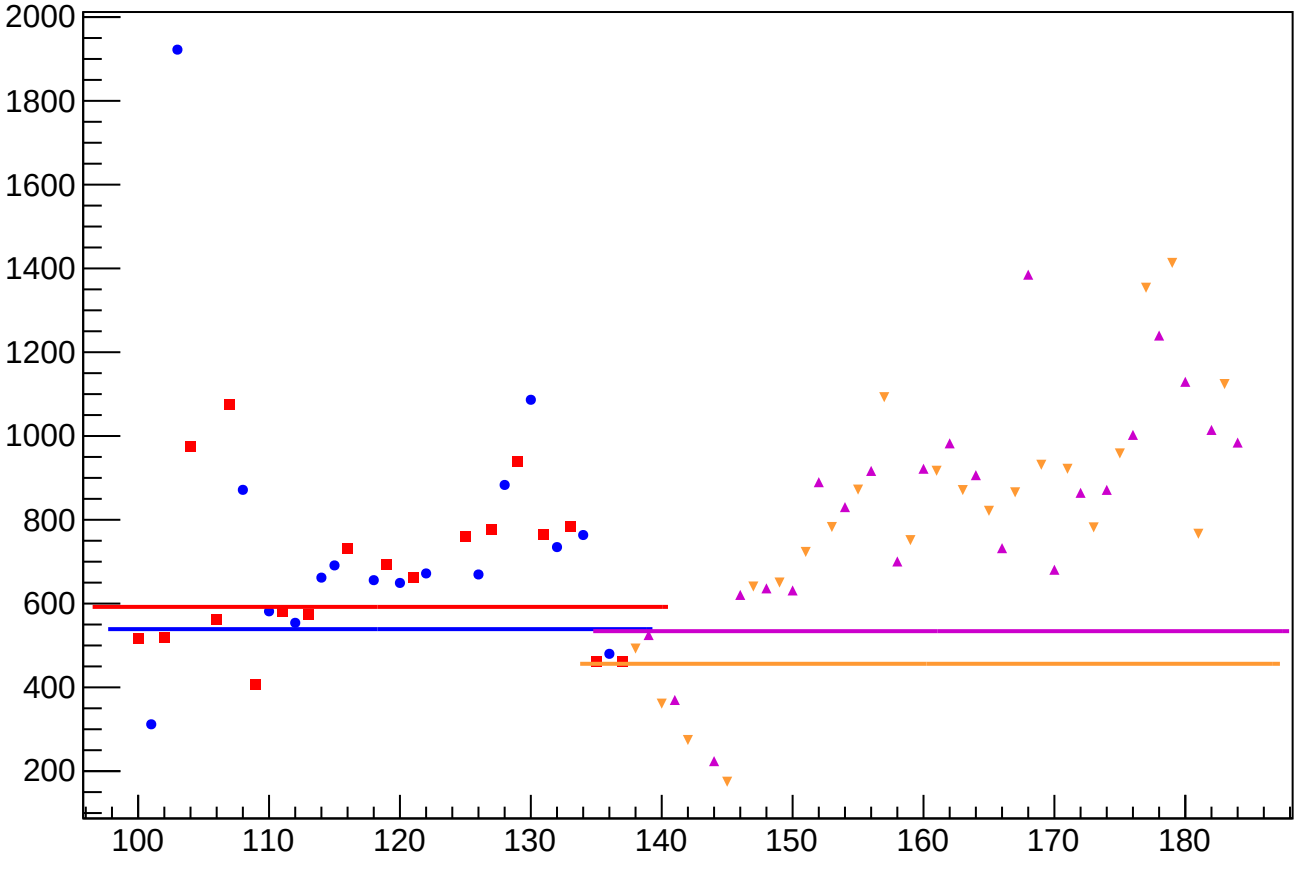
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 117.739+/-120.099 χ^2/NDF:30.5/38

Out: -4.250+/-114.305 χ^2/NDF:40.5/40

All: 53.731+/-82.798 χ^2/NDF: 71.5/79

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: 534.161+/-0.101 χ^2/NDF:8443293.1/22

Left: 491.511+/-0.068 χ^2/NDF: 20011243.5/45

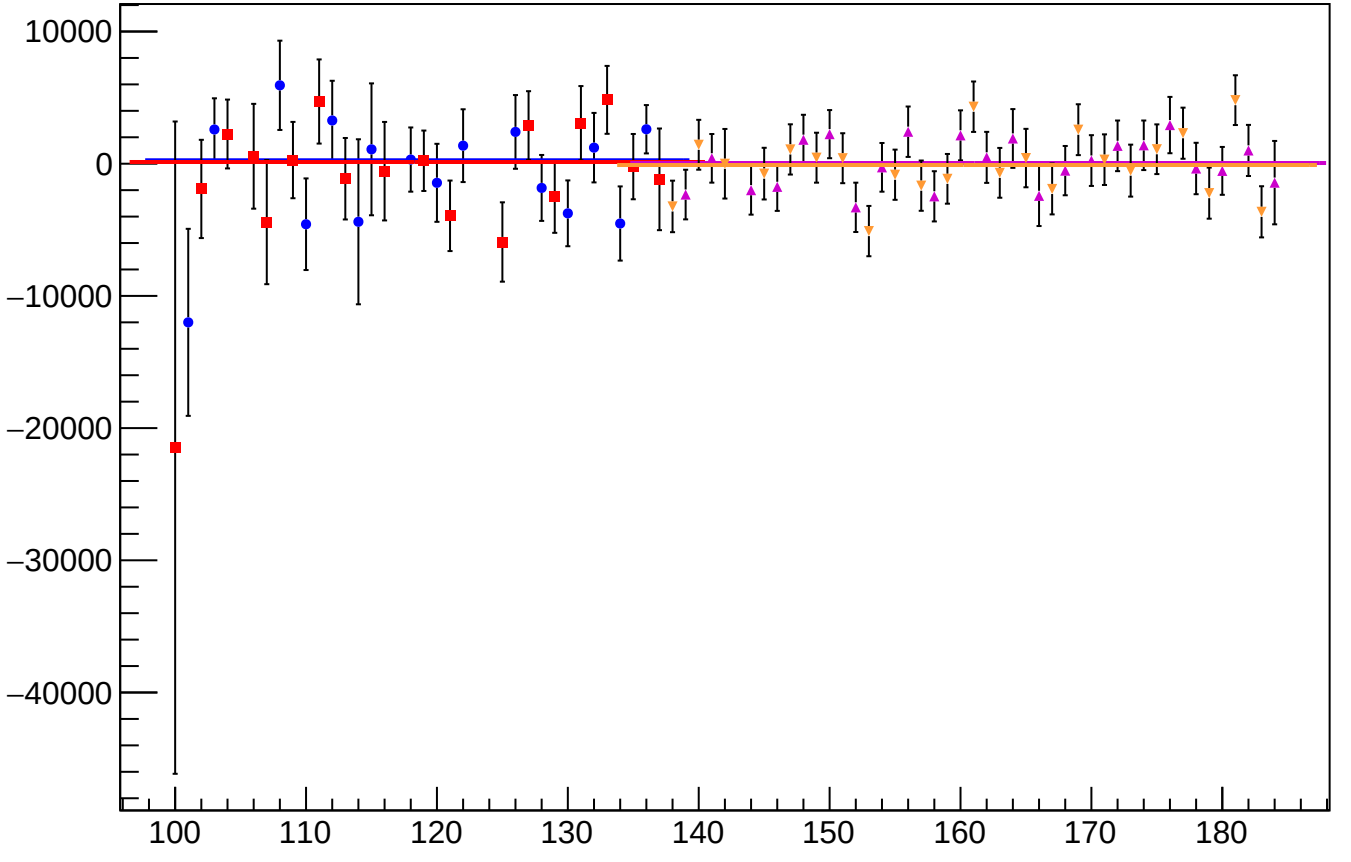
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 535.606+/-0.085 χ^2/NDF:10298553.1/38

Out: 487.533+/-0.081 χ^2/NDF:12587971.4/40

All: 510.382+/-0.059 χ^2/NDF: 23054663.6/79

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: 52.714+/-404.703 χ^2/NDF:19.4/22

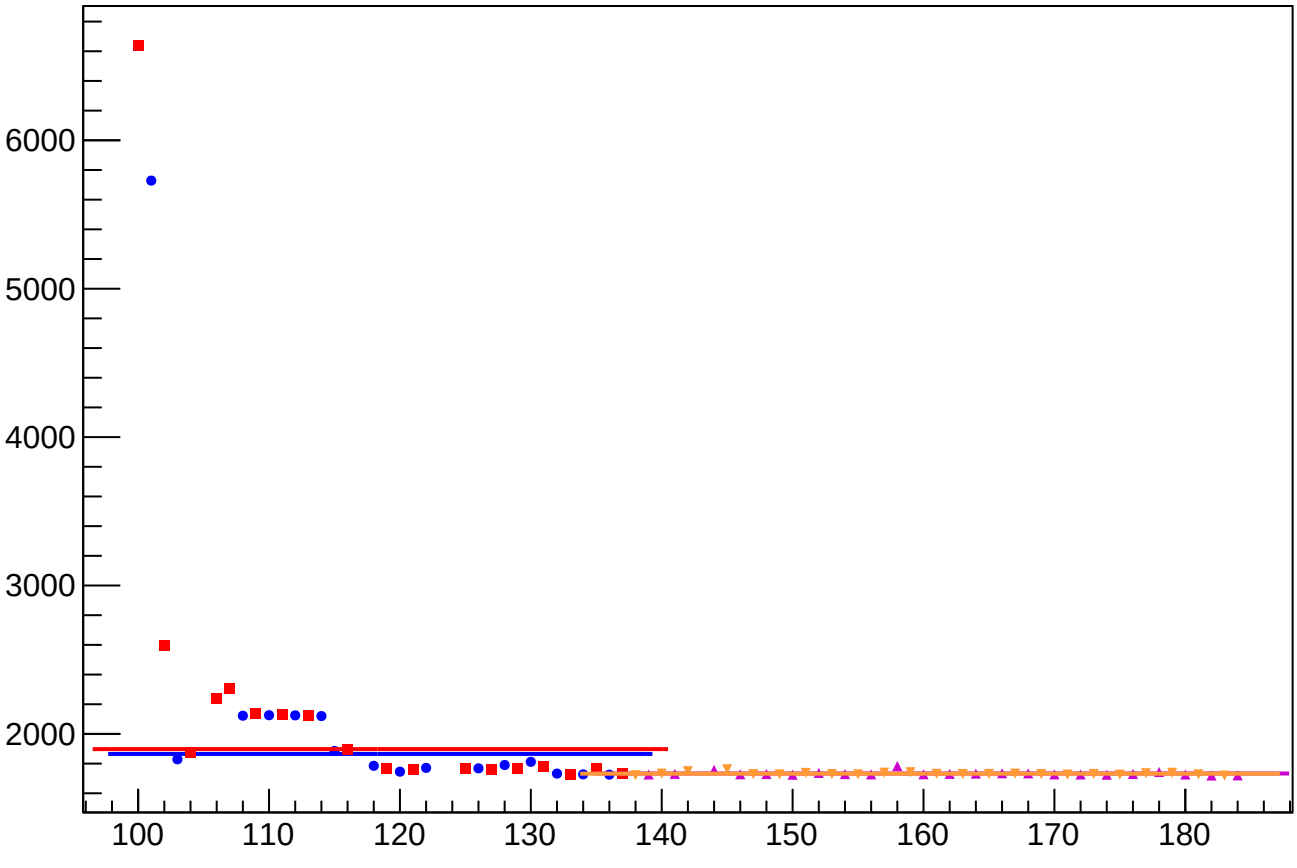
Left: -22.702+/-286.222 χ^2/NDF: 53.1/45

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 103.502+/-351.559 χ^2/NDF:38.9/38

Out: -42.616+/-352.146 χ^2/NDF:51.7/40

All: 30.565+/-248.797 χ^2/NDF: 90.7/79



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: 1733.315+/-0.286 χ^2/NDF:2230.5/22

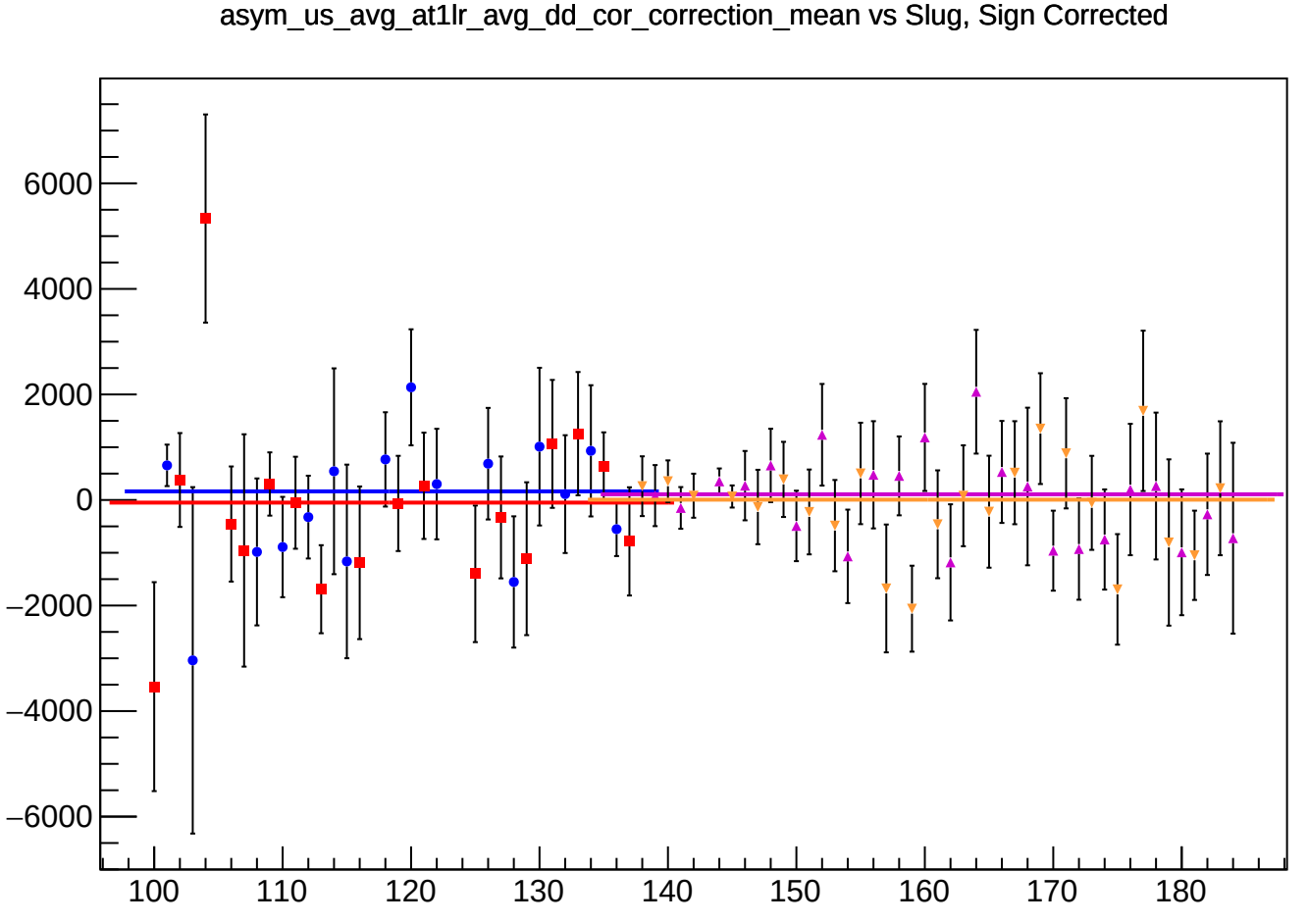
Left: 1732.752+/-0.202 χ^2/NDF: 3140.2/45

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1765.671+/-0.249 χ^2/NDF:727050.4/38

Out: 1772.480+/-0.249 χ^2/NDF:340009.6/40

All: 1769.069+/-0.176 χ^2/NDF: 1067434.5/79



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: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 52.262+/-96.401 χ^2/NDF: 36.3/45

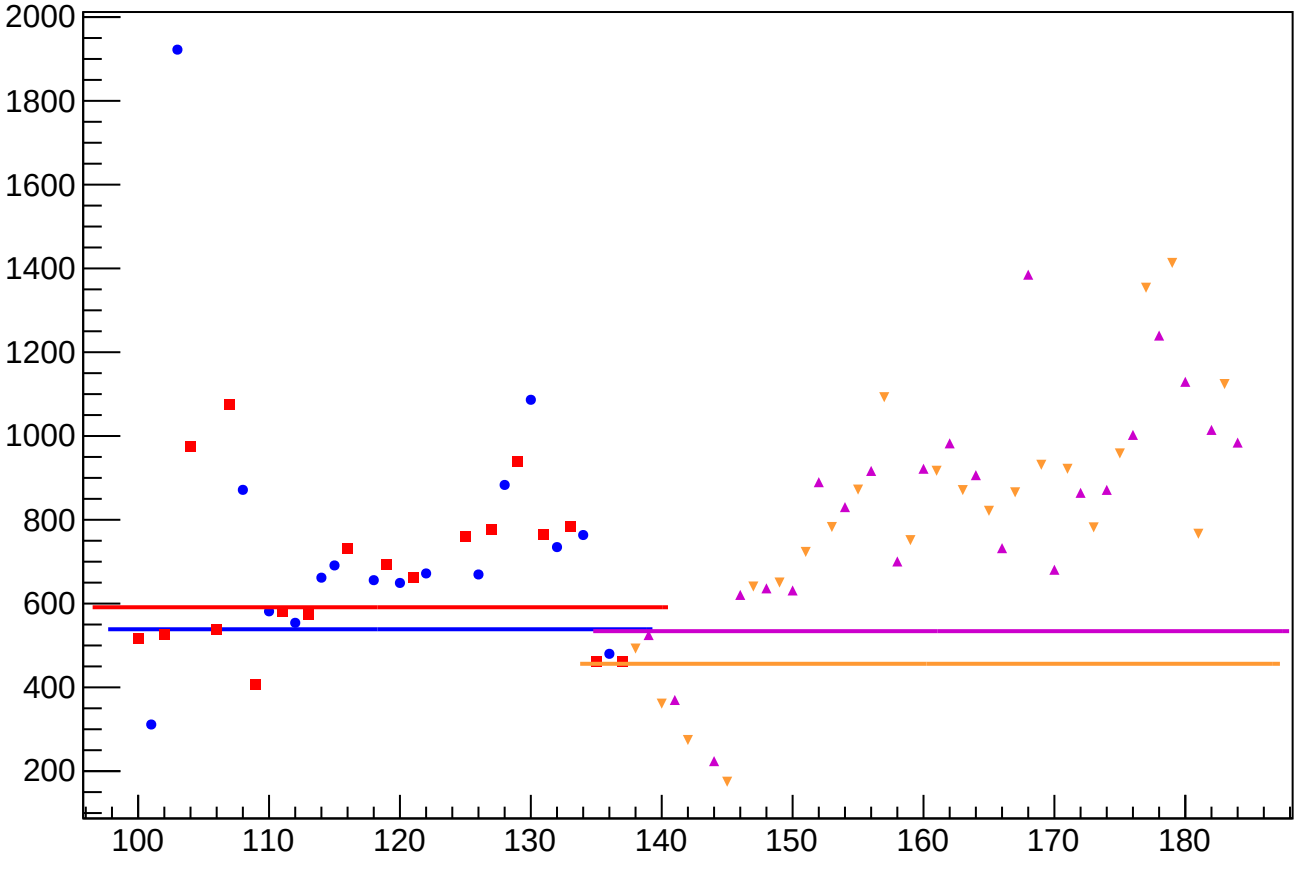
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 124.679+/-120.087 χ^2/NDF:31.0/38

Out: -6.878+/-114.300 χ^2/NDF:40.5/40

All: 55.655+/-82.793 χ^2/NDF: 72.1/79

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: 534.168+/-0.101 χ^2/NDF:8442812.5/22

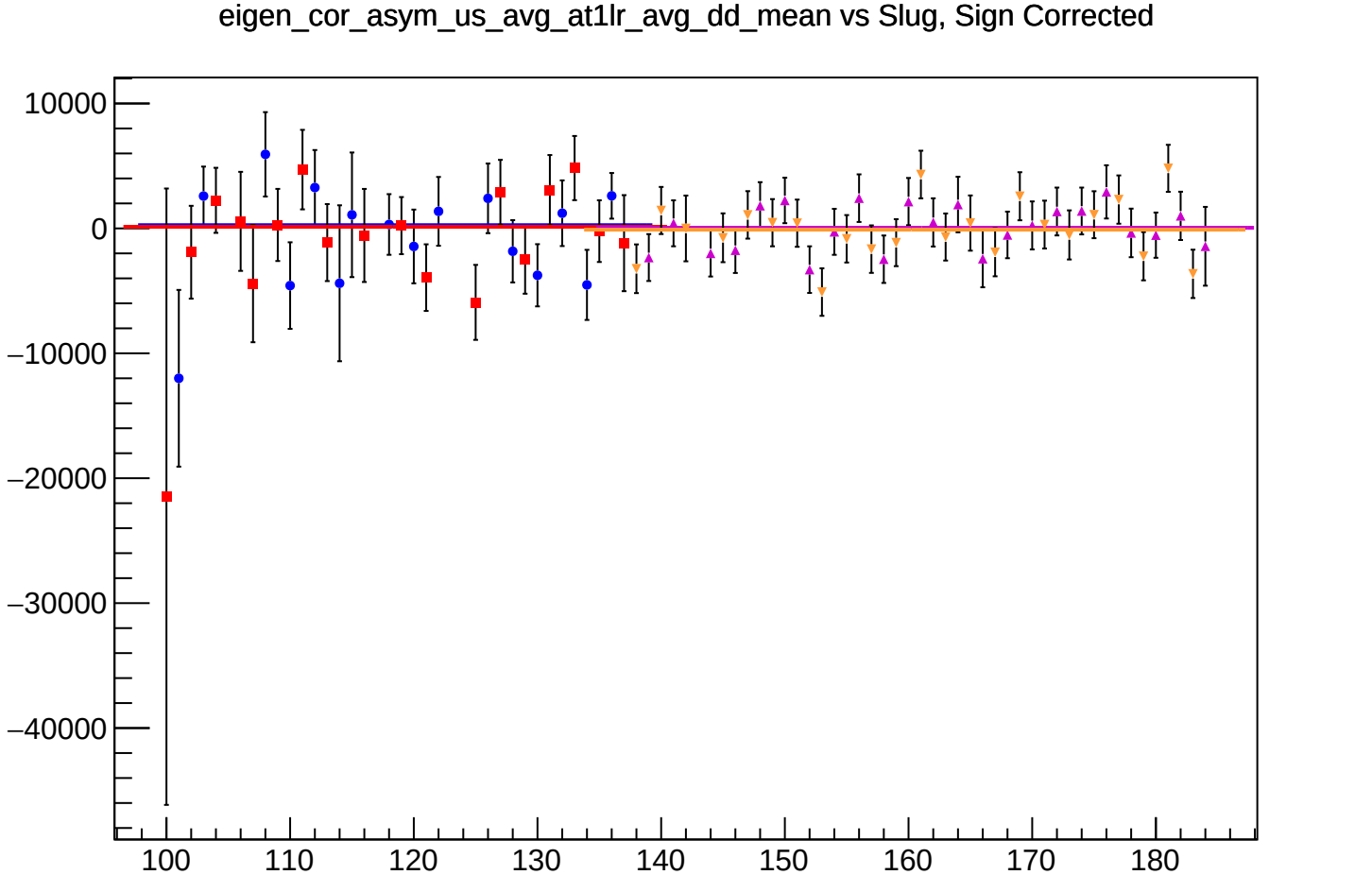
Left: 491.521+/-0.068 χ^2/NDF: 20010330.1/45

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 535.519+/-0.085 χ^2/NDF:10302301.9/38

Out: 487.355+/-0.081 χ^2/NDF:12582820.3/40

All: 510.249+/-0.059 χ^2/NDF: 23053923.7/79



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: 52.714+/-404.703 χ^2/NDF:19.4/22

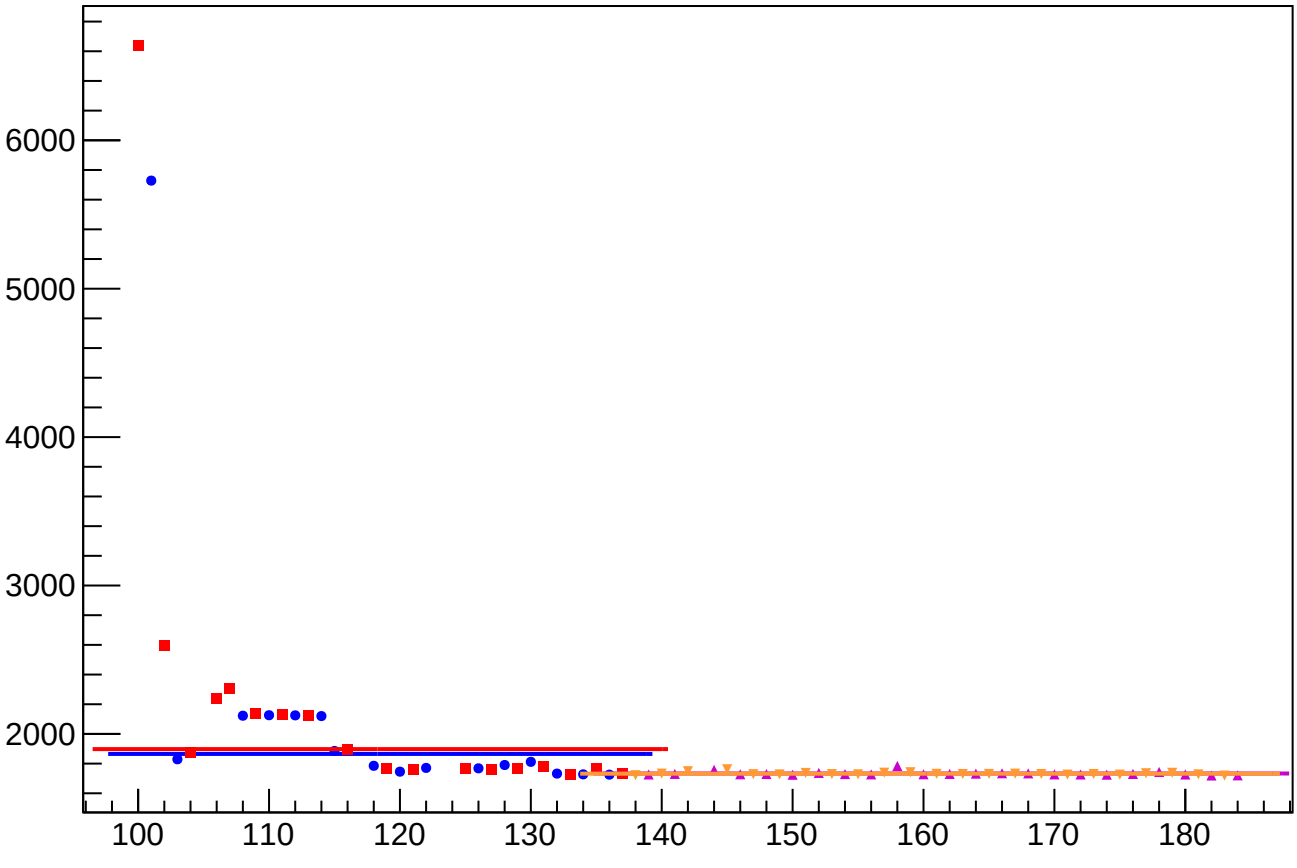
Left: -22.702+/-286.222 χ^2/NDF: 53.1/45

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 103.502+/-351.559 χ^2/NDF:38.9/38

Out: -42.616+/-352.146 χ^2/NDF:51.7/40

All: 30.565+/-248.797 χ^2/NDF: 90.7/79



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: 1733.315+/-0.286 χ^2/NDF:2230.5/22

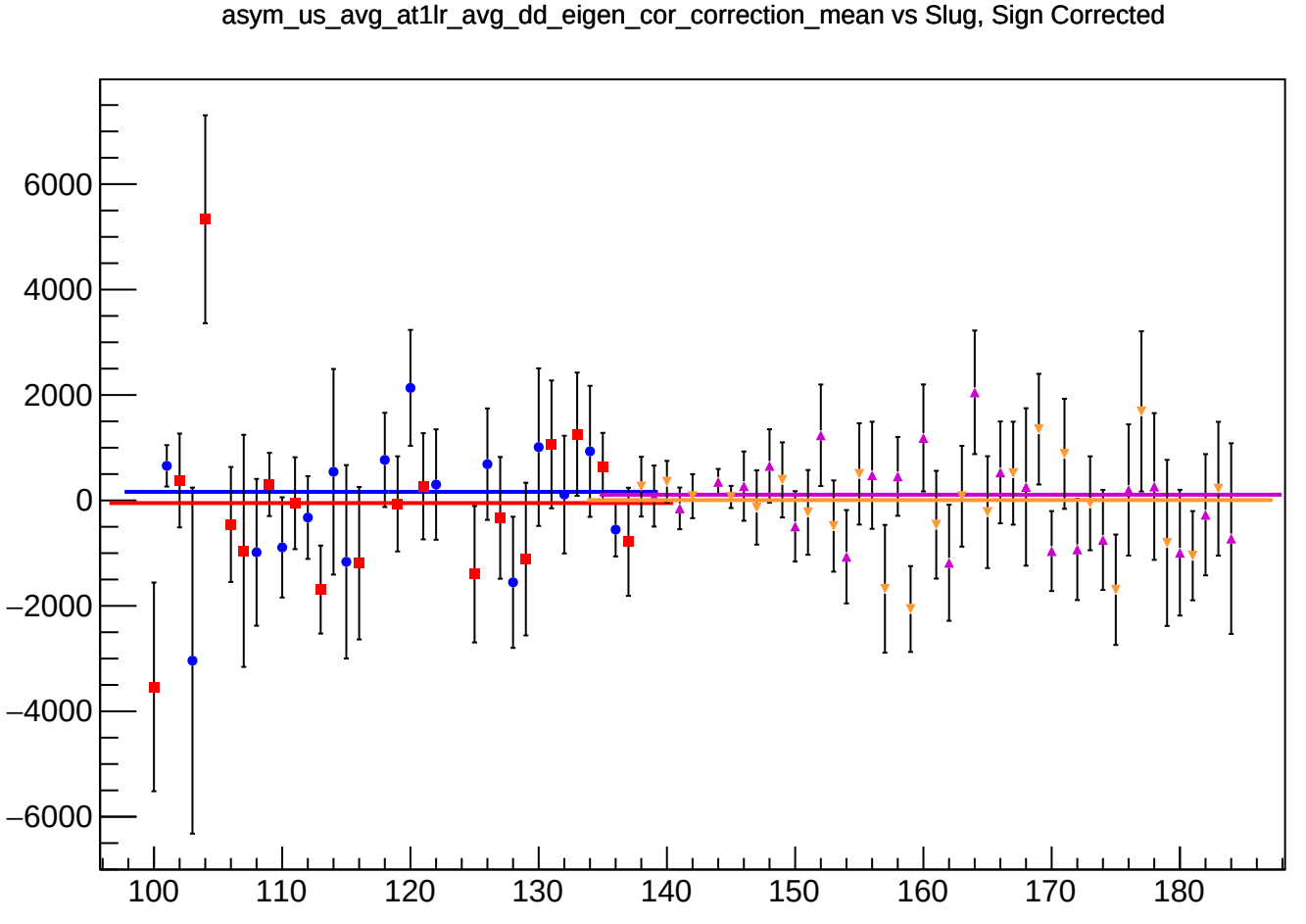
Left: 1732.752+/-0.202 χ^2/NDF: 3140.2/45

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1765.671+/-0.249 χ^2/NDF:727050.4/38

Out: 1772.480+/-0.249 χ^2/NDF:340009.6/40

All: 1769.069+/-0.176 χ^2/NDF: 1067434.5/79



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: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 52.262+/-96.401 χ^2/NDF: 36.3/45

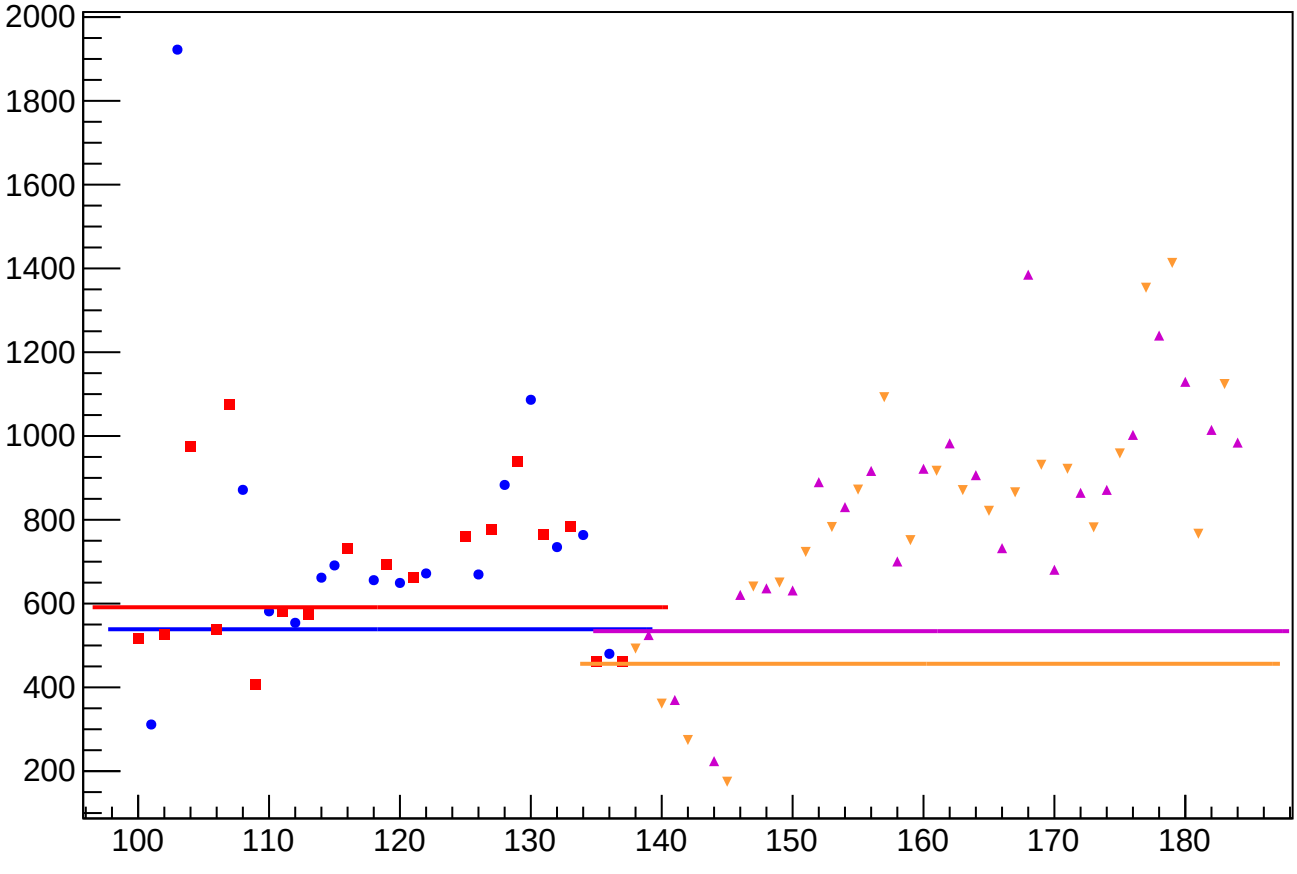
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 124.679+/-120.087 χ^2/NDF:31.0/38

Out: -6.878+/-114.300 χ^2/NDF:40.5/40

All: 55.655+/-82.793 χ^2/NDF: 72.1/79

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: 534.168+/-0.101 χ^2/NDF:8442812.5/22

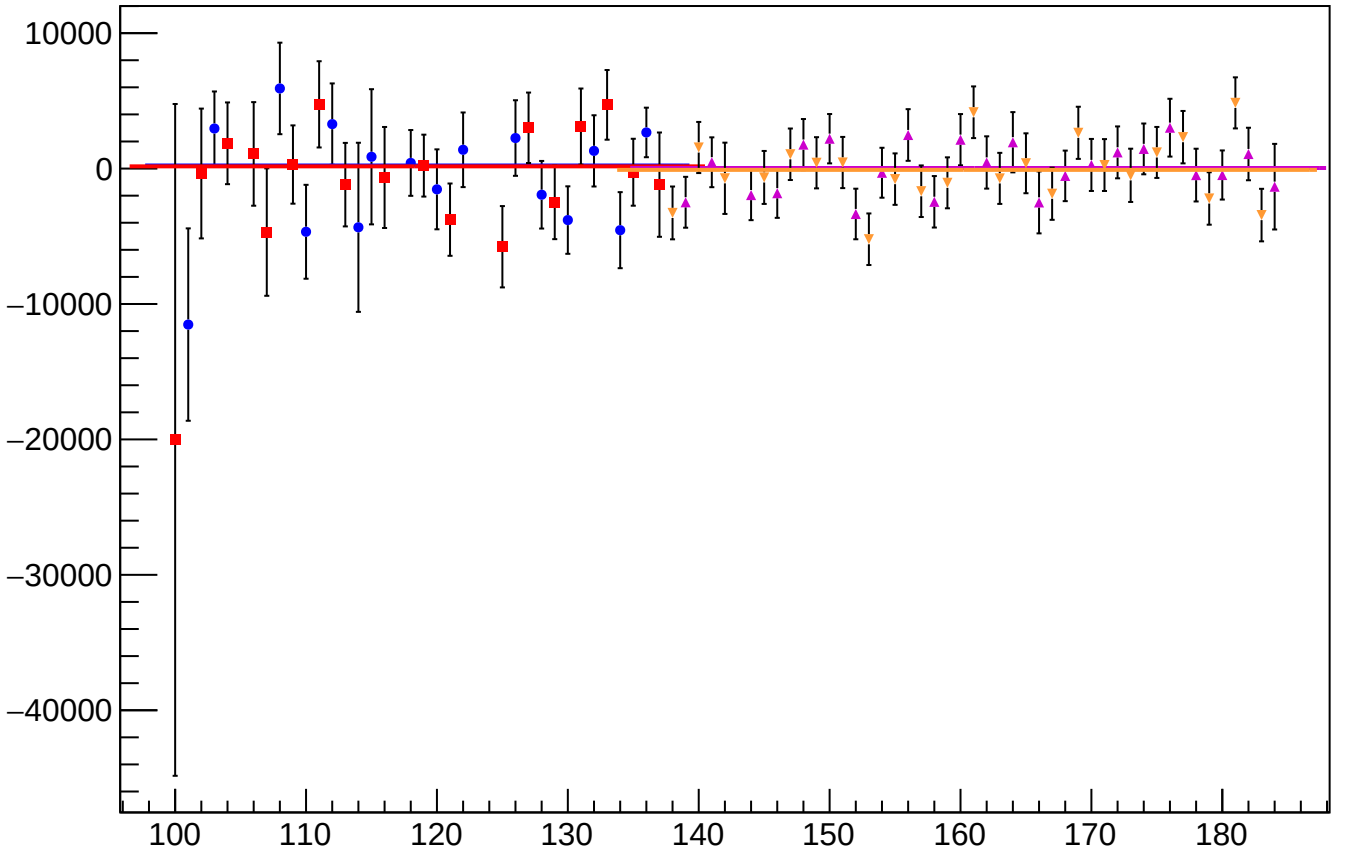
Left: 491.521+/-0.068 χ^2/NDF: 20010330.1/45

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 535.519+/-0.085 χ^2/NDF:10302301.9/38

Out: 487.355+/-0.081 χ^2/NDF:12582820.3/40

All: 510.249+/-0.059 χ^2/NDF: 23053923.7/79



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: 42.465+/-405.052 χ^2/NDF:19.9/22

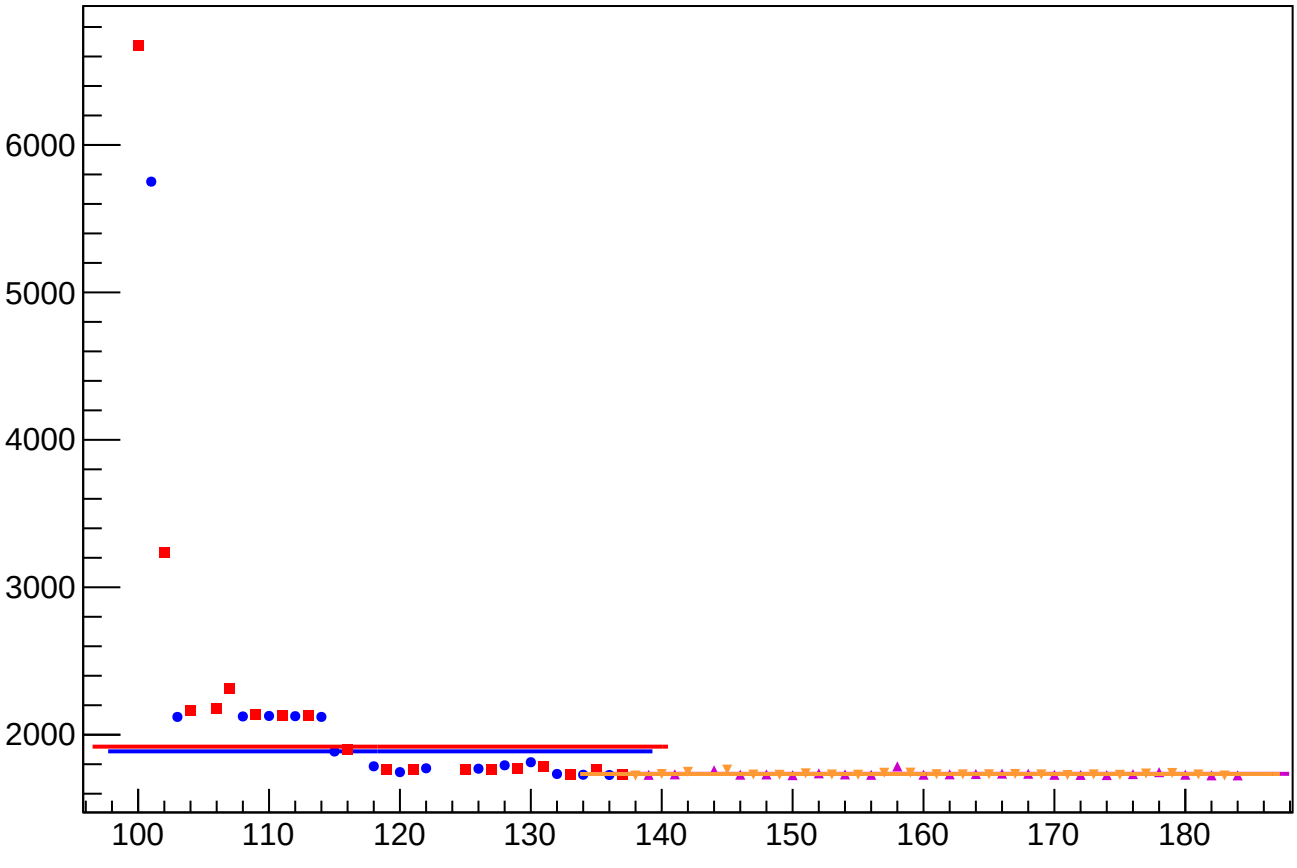
Left: -26.828+/-286.468 χ^2/NDF: 53.4/45

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: 86.777+/-352.852 χ^2/NDF:39.3/38

Out: -34.418+/-353.801 χ^2/NDF:50.6/40

All: 26.342+/-249.839 χ^2/NDF: 90.0/79



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: 1734.810+/-0.286 χ^2/NDF:2175.7/22

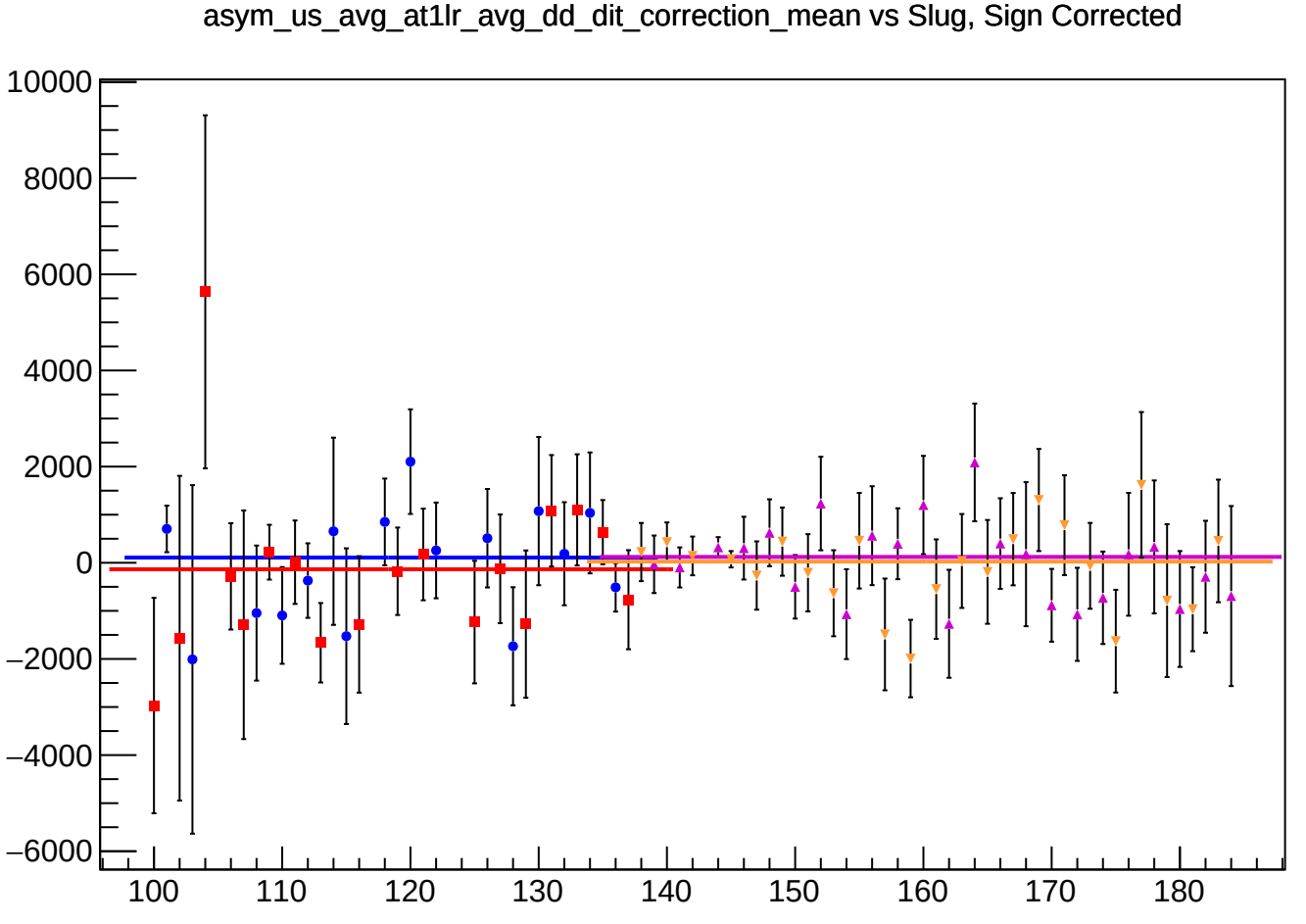
Left: 1734.241+/-0.203 χ^2/NDF: 3052.6/45

Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

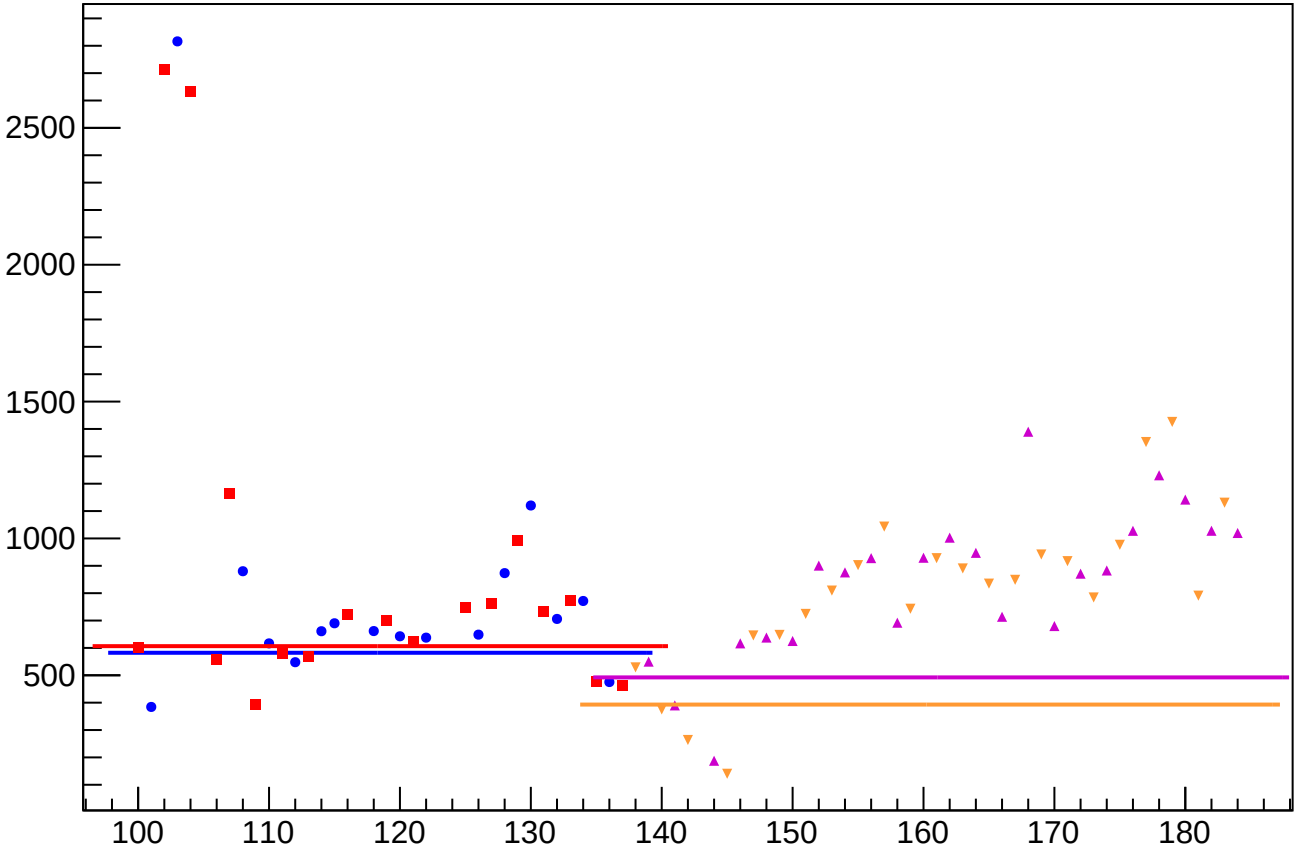
In: 1771.583+/-0.250 χ^2/NDF:759980.1/38

Out: 1777.749+/-0.250 χ^2/NDF:453026.9/40

All: 1774.658+/-0.177 χ^2/NDF: 1213311.5/79


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: 108.131+/-231.711 χ²/NDF: 14.2/15
Left Out: 25.183+/-119.521 χ²/NDF:18.3/22
Right Out: -135.358+/-245.933 χ²/NDF: 14.4/17
Left In: 121.705+/-137.150 χ²/NDF:16.5/22
Left: 66.846+/-90.106 χ²/NDF: 35.0/45
Right: -6.369+/-168.648 χ²/NDF: 29.0/33
In: 118.184+/-118.025 χ²/NDF:30.6/38
Out: -5.490+/-107.498 χ²/NDF:33.0/40
All: 50.587+/-79.474 χ²/NDF: 64.2/79

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: 492.294+/-0.097 χ^2/NDF:10419498.8/22

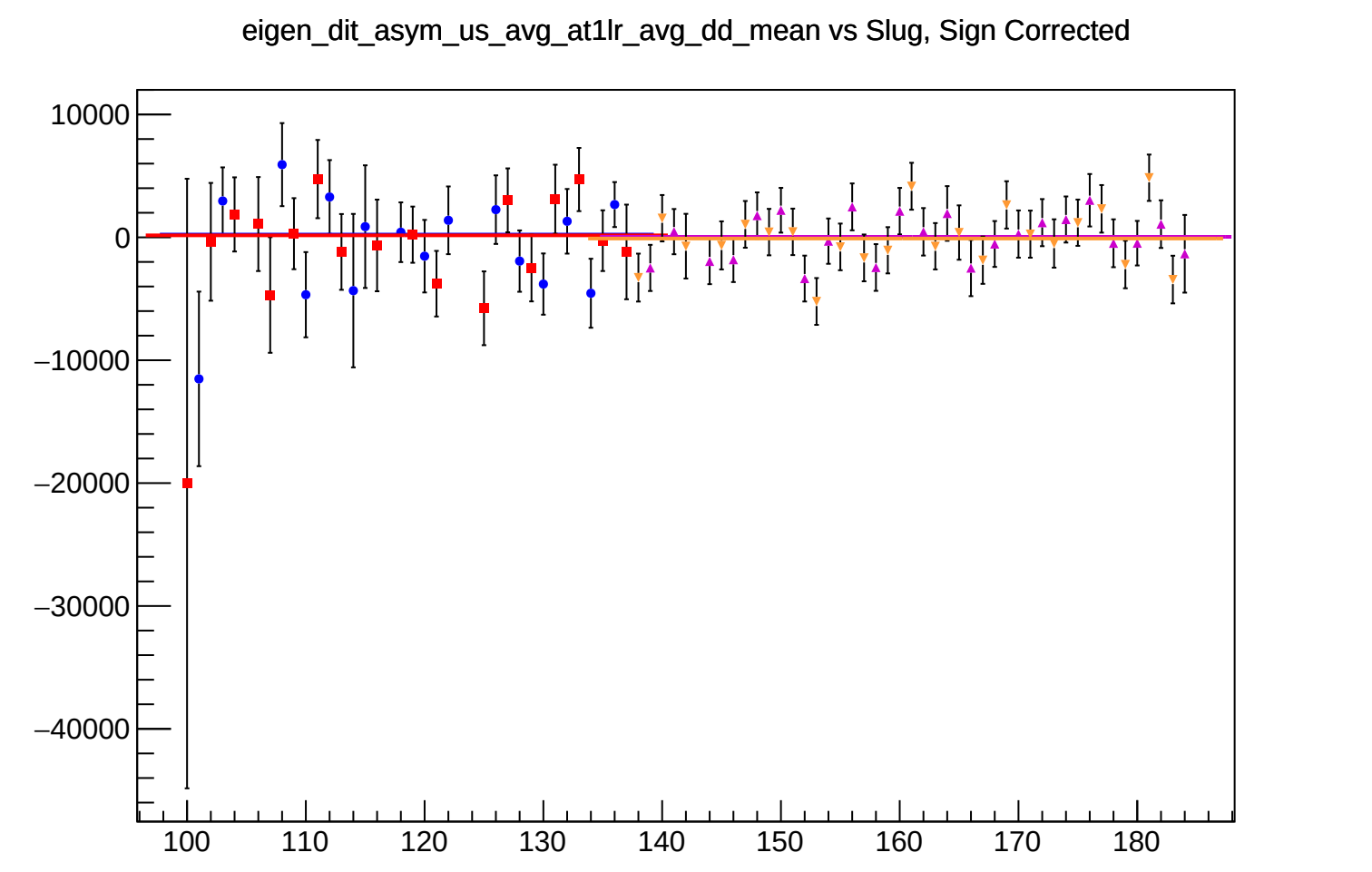
Left: 435.872+/-0.064 χ^2/NDF: 25139863.9/45

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 515.638+/-0.083 χ^2/NDF:12397128.5/38

Out: 433.799+/-0.076 χ^2/NDF:17541689.2/40

All: 470.907+/-0.056 χ^2/NDF: 30464419.8/79



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: 42.465+/-405.052 χ^2/NDF:19.9/22

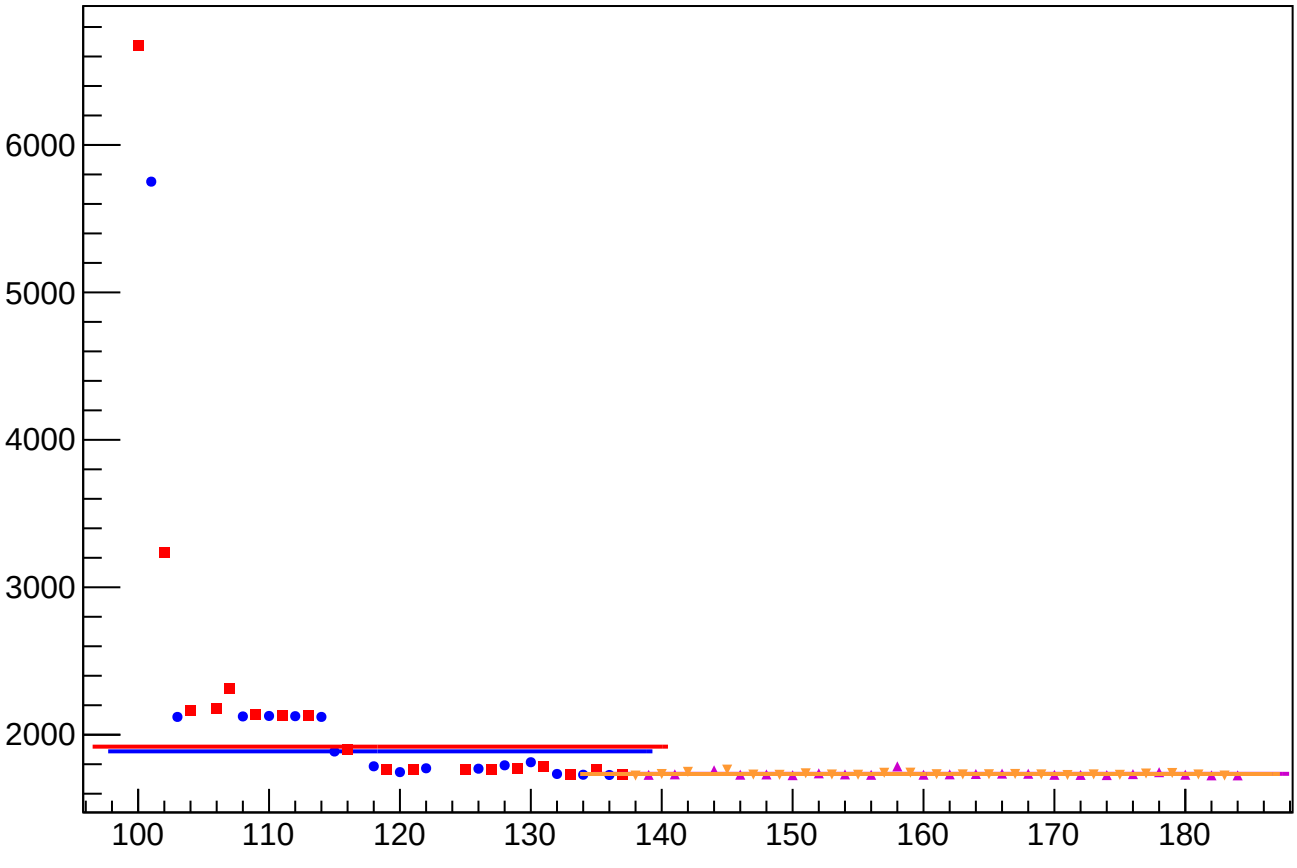
Left: -26.829+/-286.468 χ^2/NDF: 53.4/45

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: 86.777+/-352.852 χ^2/NDF:39.3/38

Out: -34.420+/-353.801 χ^2/NDF:50.6/40

All: 26.341+/-249.839 χ^2/NDF: 90.0/79



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: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.241+/-0.203 χ^2/NDF: 3052.6/45

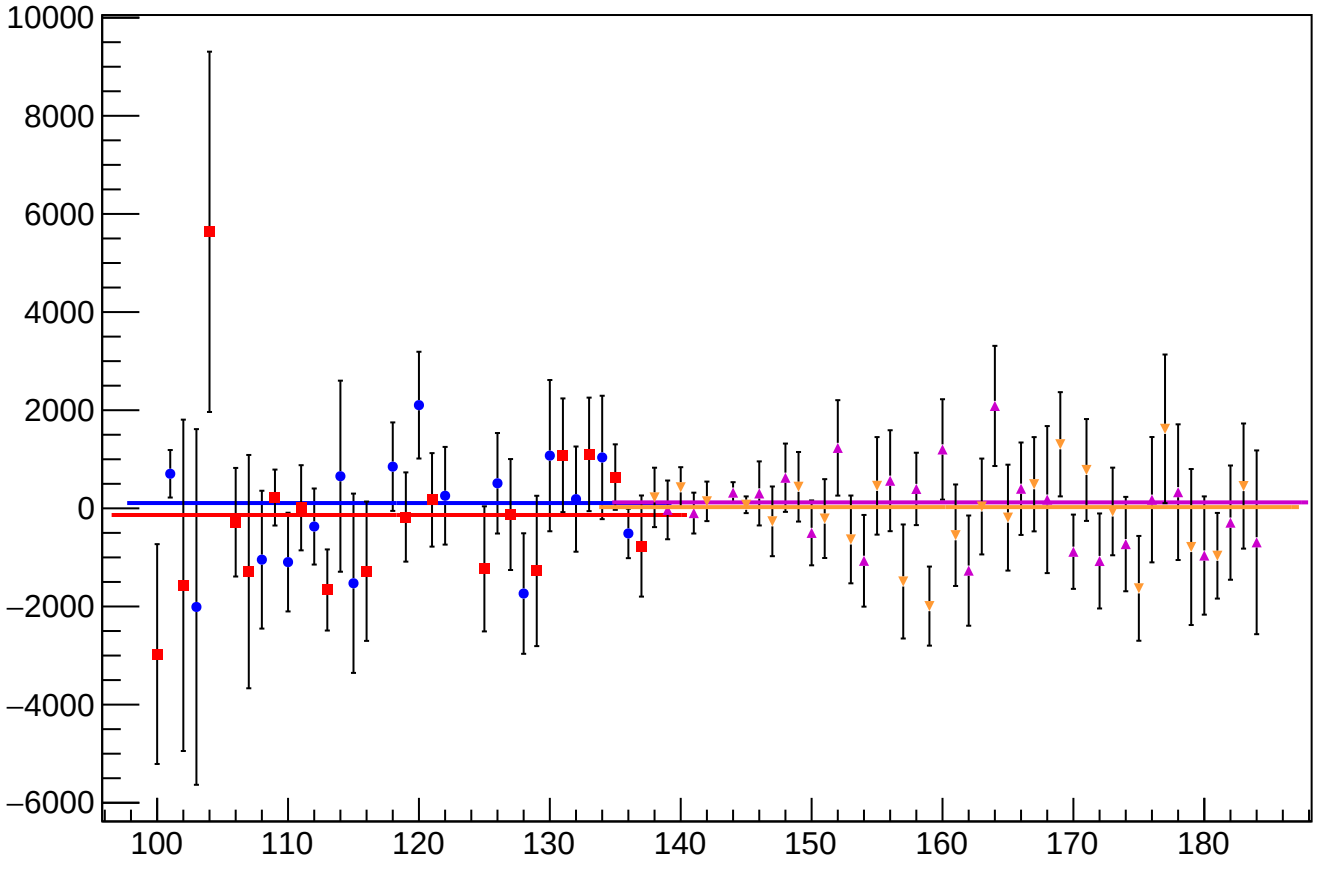
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1771.583+/-0.250 χ^2/NDF:759979.7/38

Out: 1777.749+/-0.250 χ^2/NDF:453026.0/40

All: 1774.658+/-0.177 χ^2/NDF: 1213310.3/79

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 25.181+/-119.521 χ^2/NDF:18.3/22

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 66.845+/-90.106 χ^2/NDF: 35.0/45

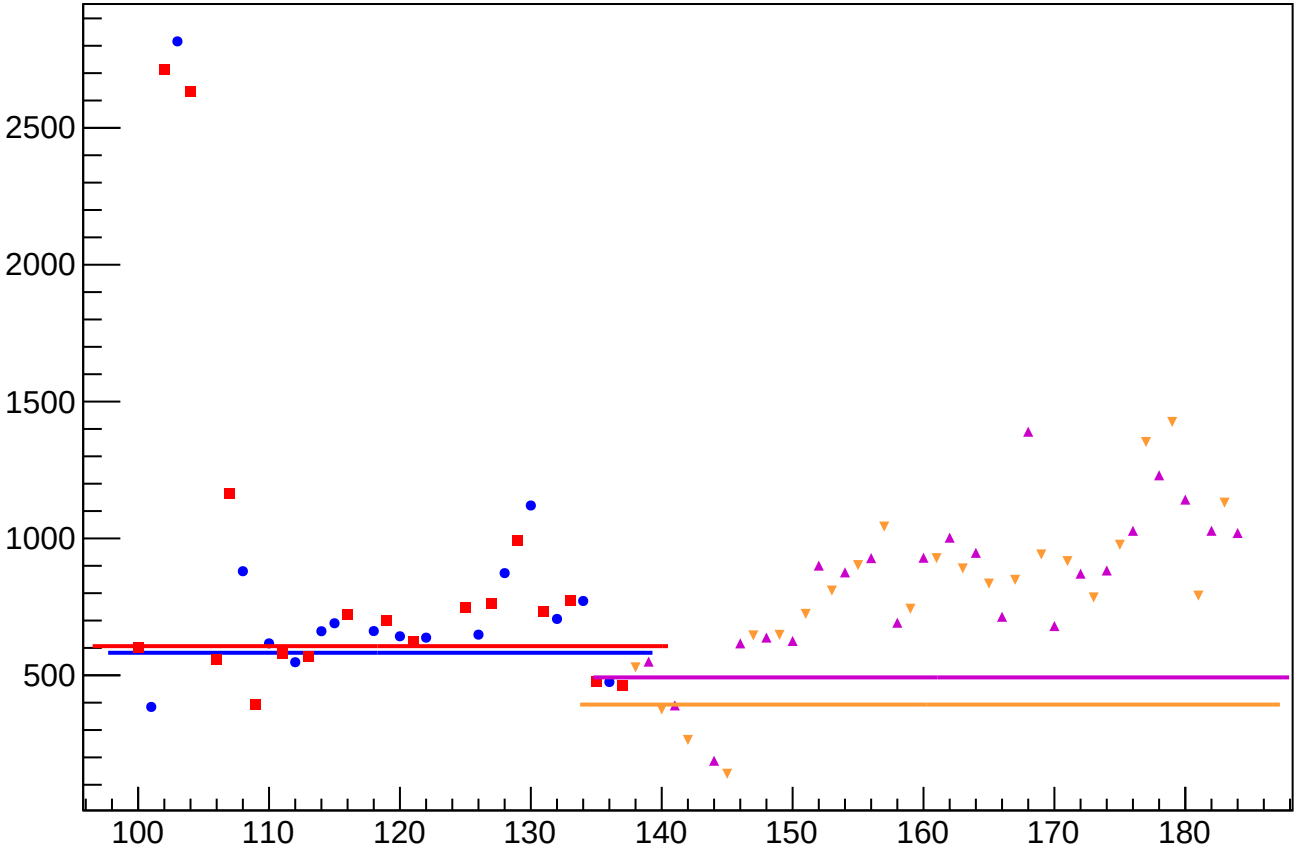
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 118.183+/-118.025 χ^2/NDF:30.6/38

Out: -5.491+/-107.498 χ^2/NDF:33.0/40

All: 50.586+/-79.474 χ^2/NDF: 64.2/79

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: 492.295+/-0.097 χ^2/NDF:10419523.2/22

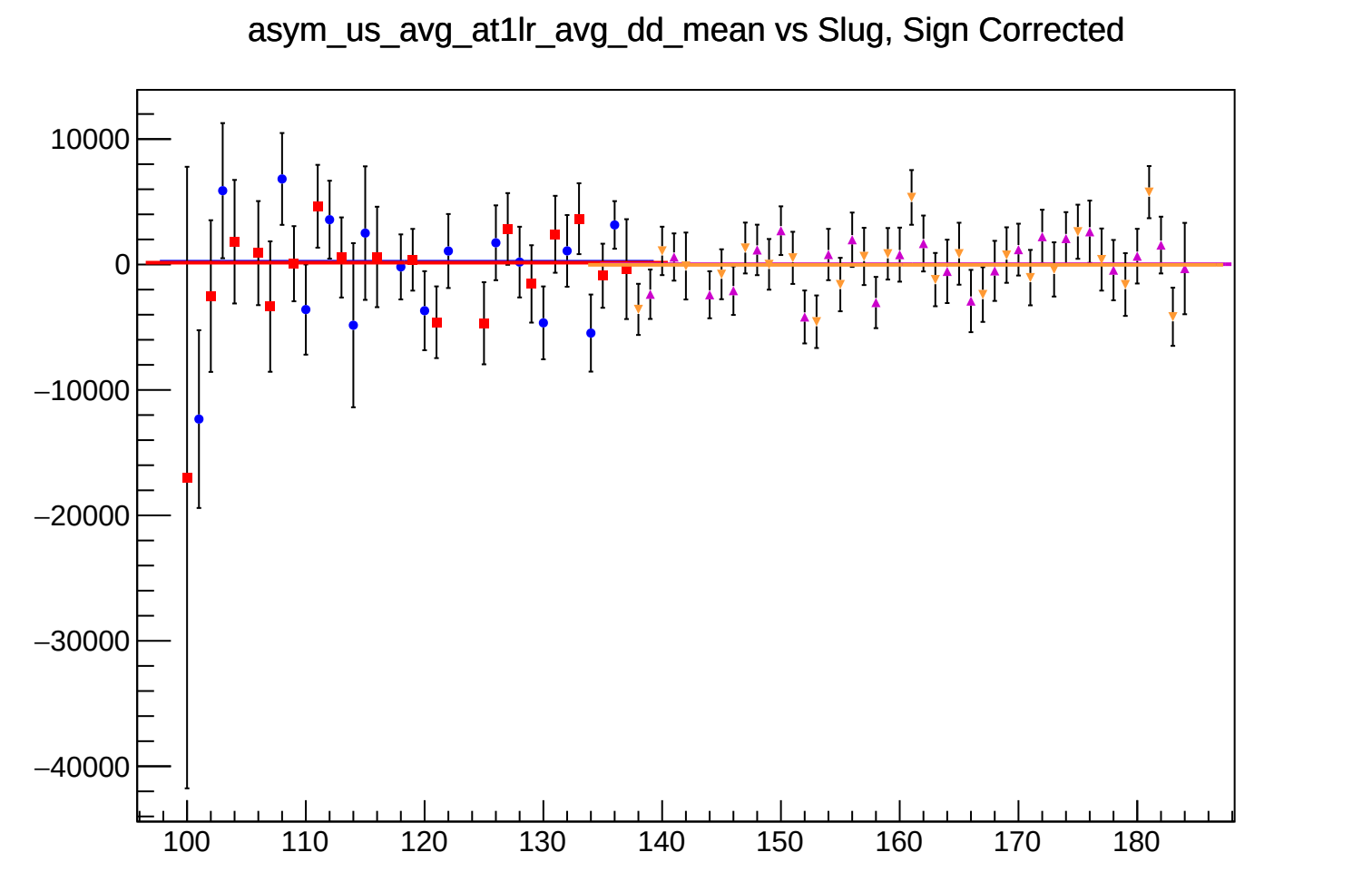
Left: 435.872+/-0.064 χ^2/NDF: 25139938.5/45

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 515.639+/-0.083 χ^2/NDF:12397129.6/38

Out: 433.799+/-0.076 χ^2/NDF:17541715.7/40

All: 470.907+/-0.056 χ^2/NDF: 30464453.6/79



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: 25.575+/-450.755 χ^2/NDF:20.0/22

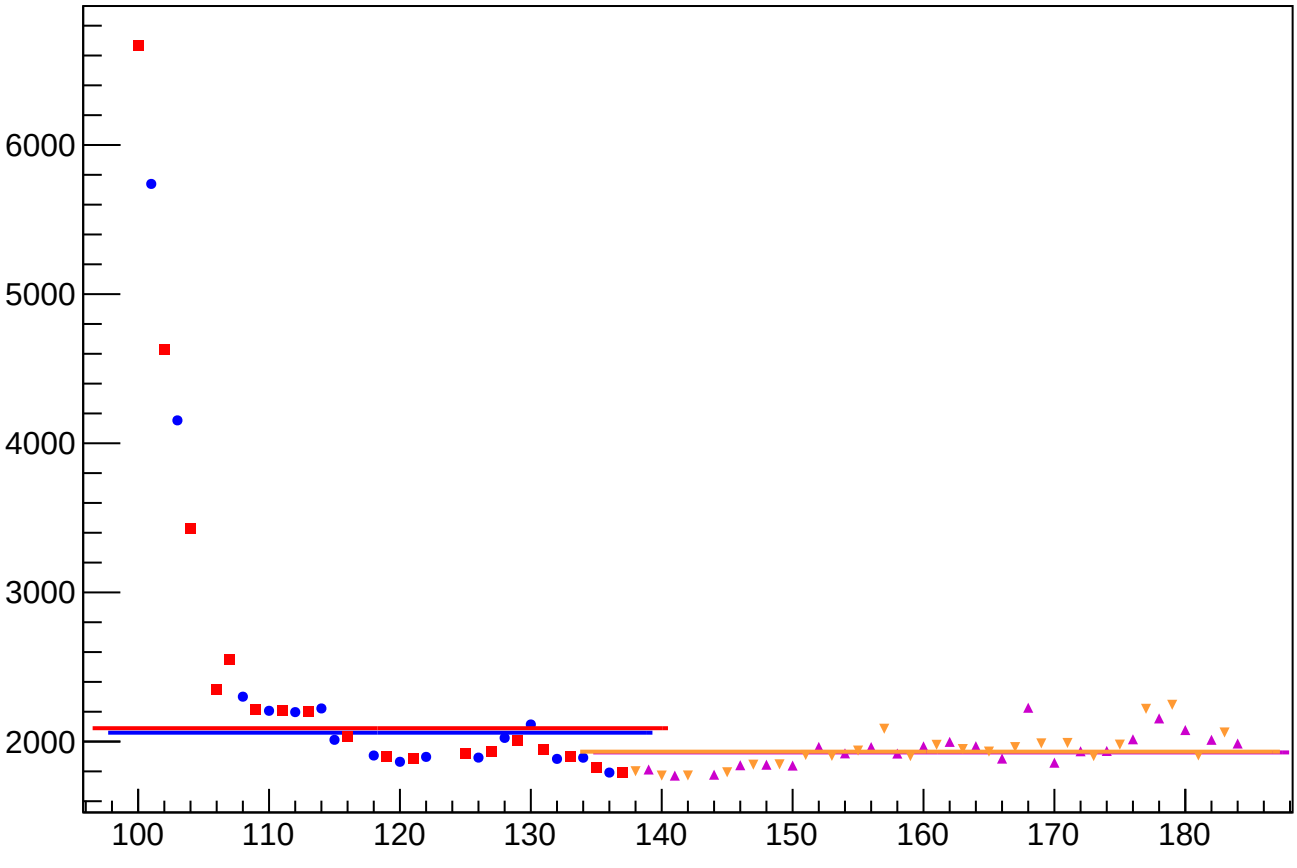
Left: 1.485+/-319.369 χ^2/NDF: 50.4/45

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: 74.280+/-391.712 χ^2/NDF:41.2/38

Out: 19.062+/-393.202 χ^2/NDF:42.0/40

All: 46.776+/-277.507 χ^2/NDF: 83.2/79



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: 1927.125+/-0.319 χ^2/NDF:116436.1/22

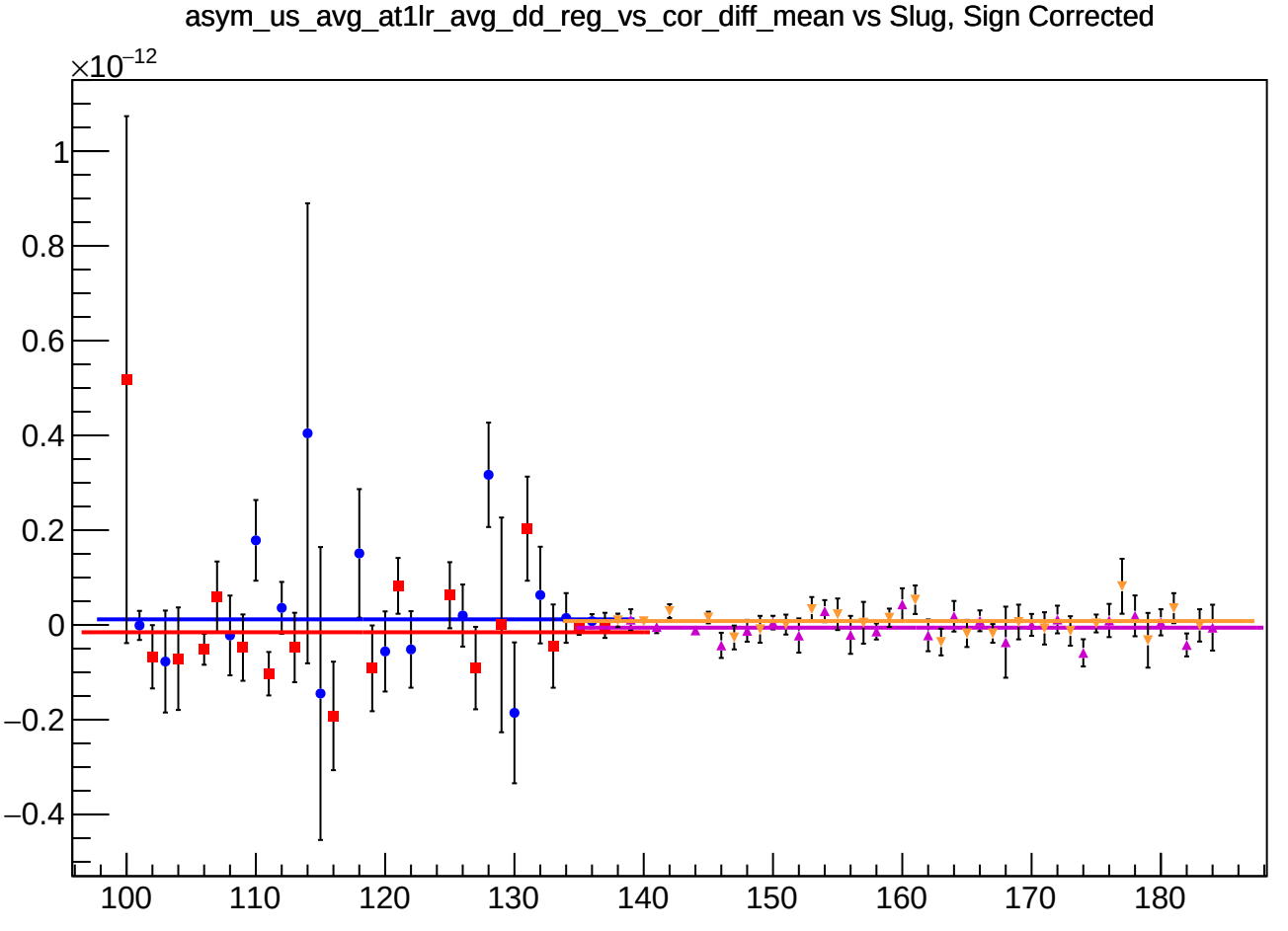
Left: 1929.678+/-0.226 χ^2/NDF: 243194.3/45

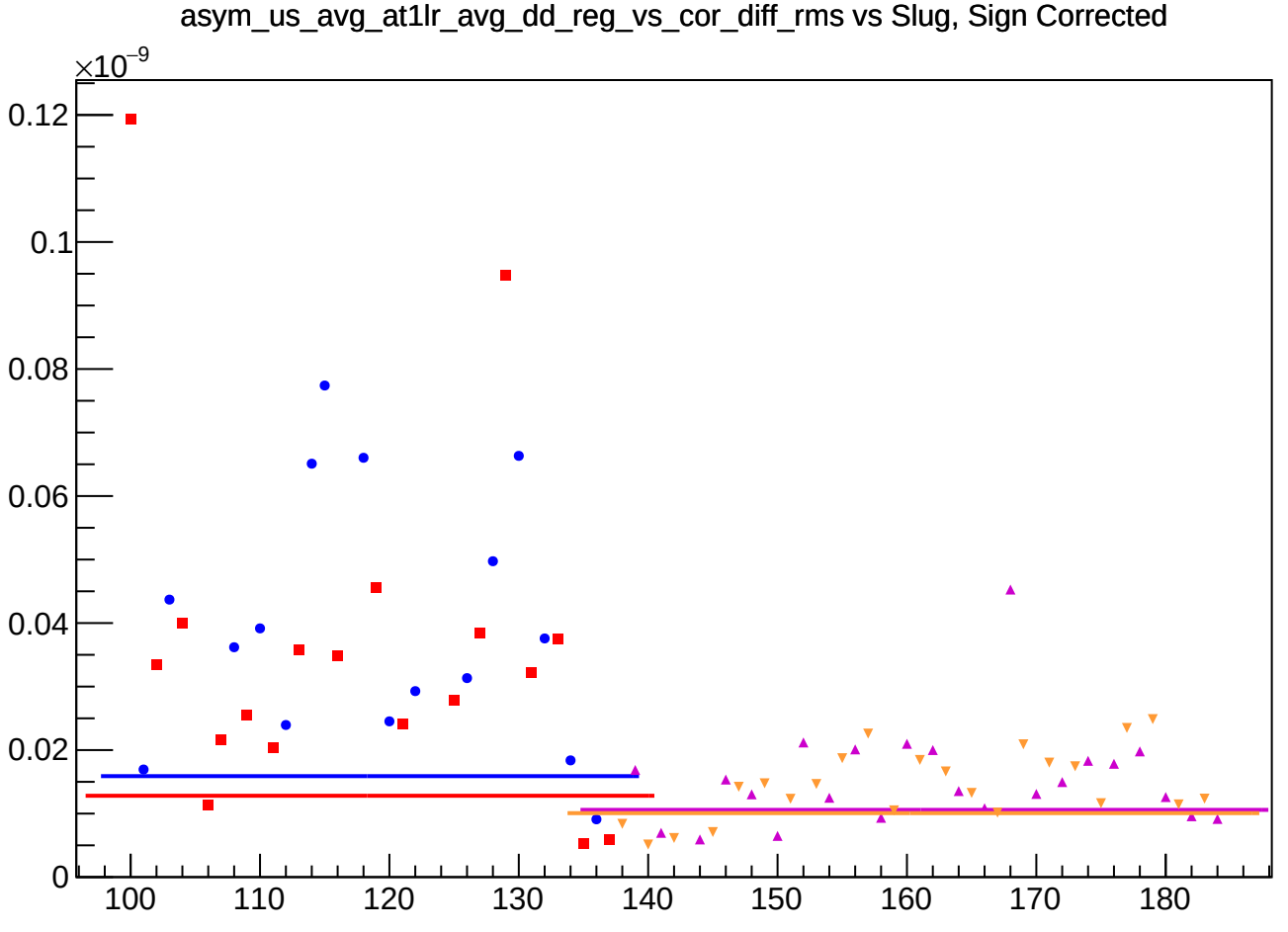
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1959.531+/-0.277 χ^2/NDF:1098535.0/38

Out: 1970.791+/-0.278 χ^2/NDF:867267.1/40

All: 1965.140+/-0.196 χ^2/NDF: 1966625.2/79


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:16.7/22
Left: 0.000+/-0.000 χ²/NDF: 38.7/45
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:36.8/38
Out: 0.000+/-0.000 χ²/NDF:42.0/40
All: 0.000+/-0.000 χ²/NDF: 80.7/79



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:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4855471.3/45

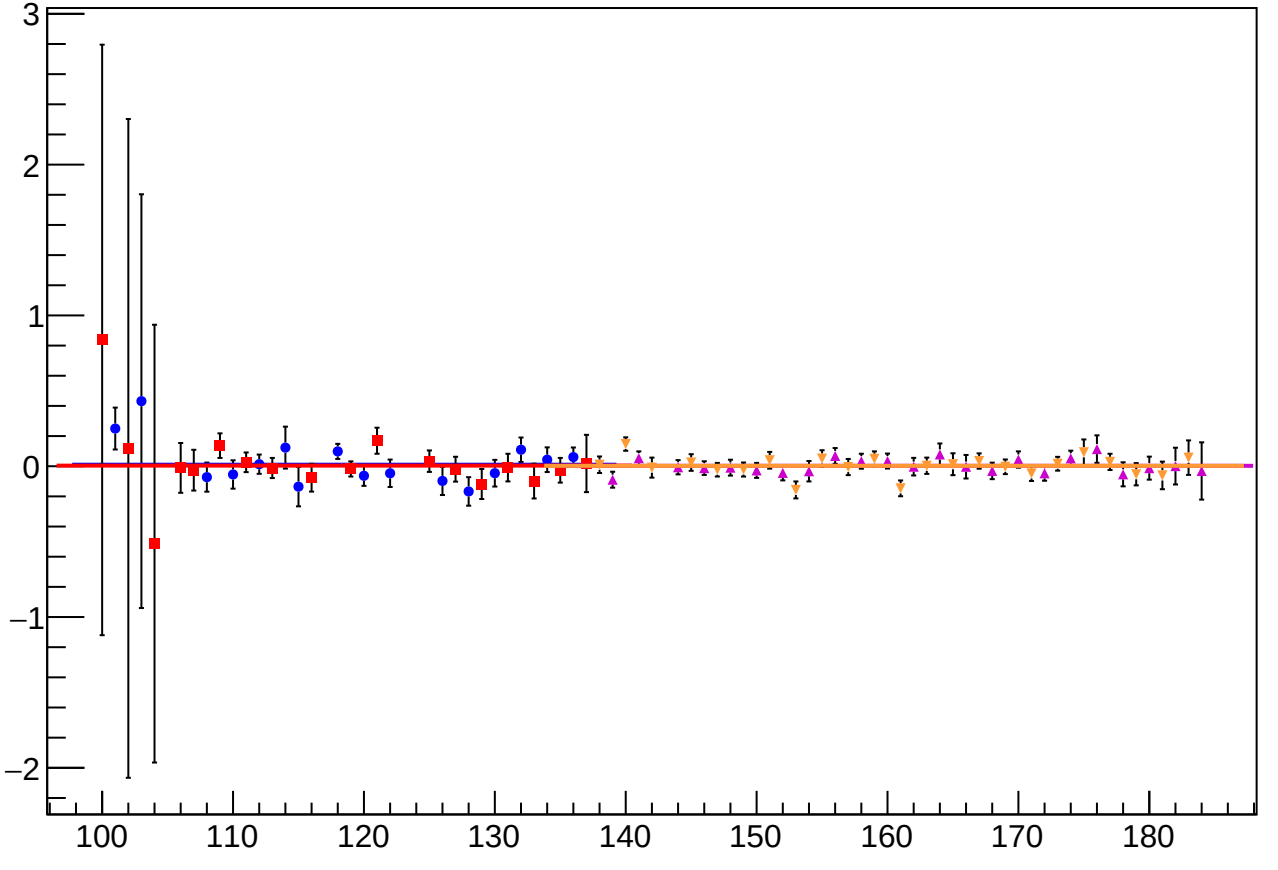
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:4879160.0/38

Out: 0.000+/-0.000 χ^2/NDF:4862020.2/40

All: 0.000+/-0.000 χ^2/NDF: 9781076.9/79

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:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 48.2/45

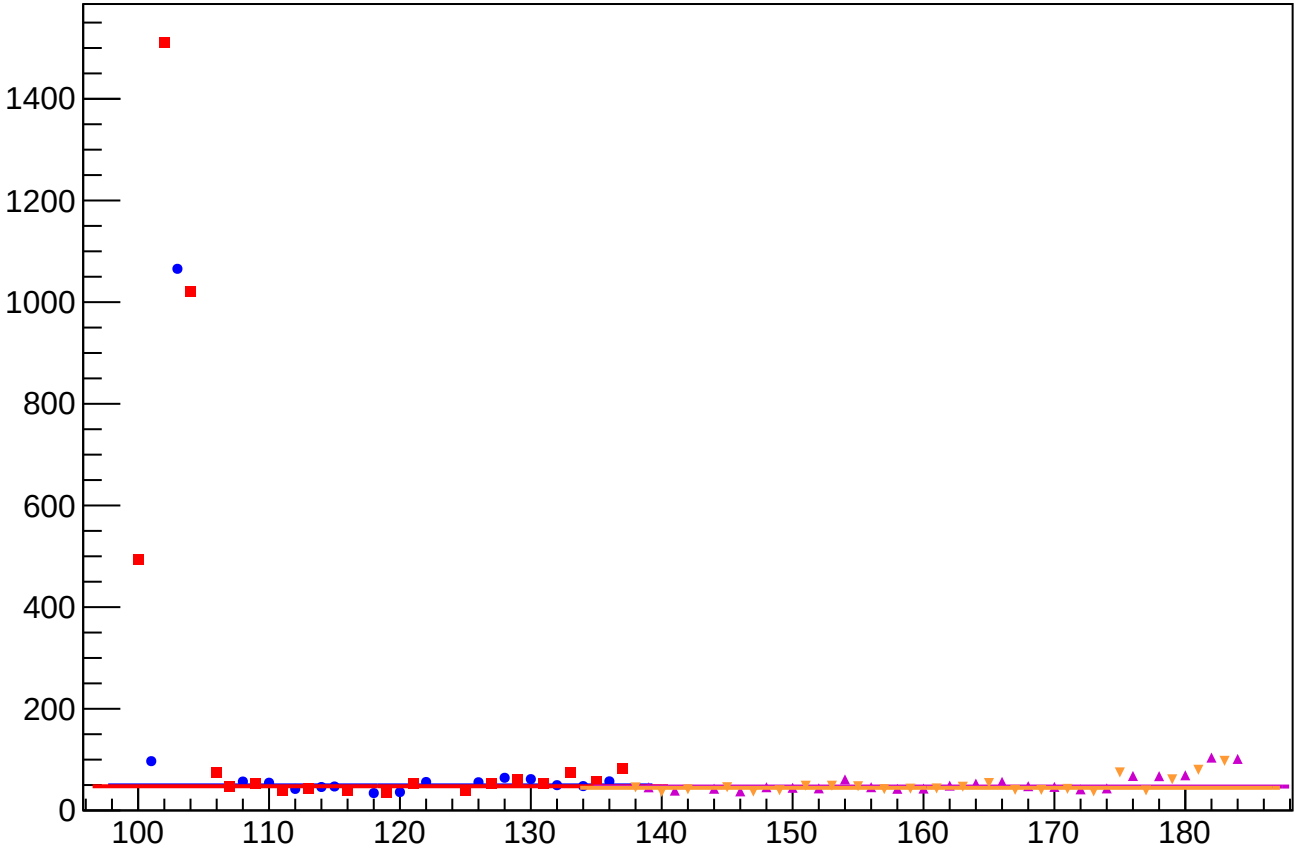
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/38

Out: 0.003+/-0.010 χ^2/NDF:44.3/40

All: 0.004+/-0.007 χ^2/NDF: 77.3/79

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: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.753+/-0.006 χ^2/NDF: 2831715.5/45

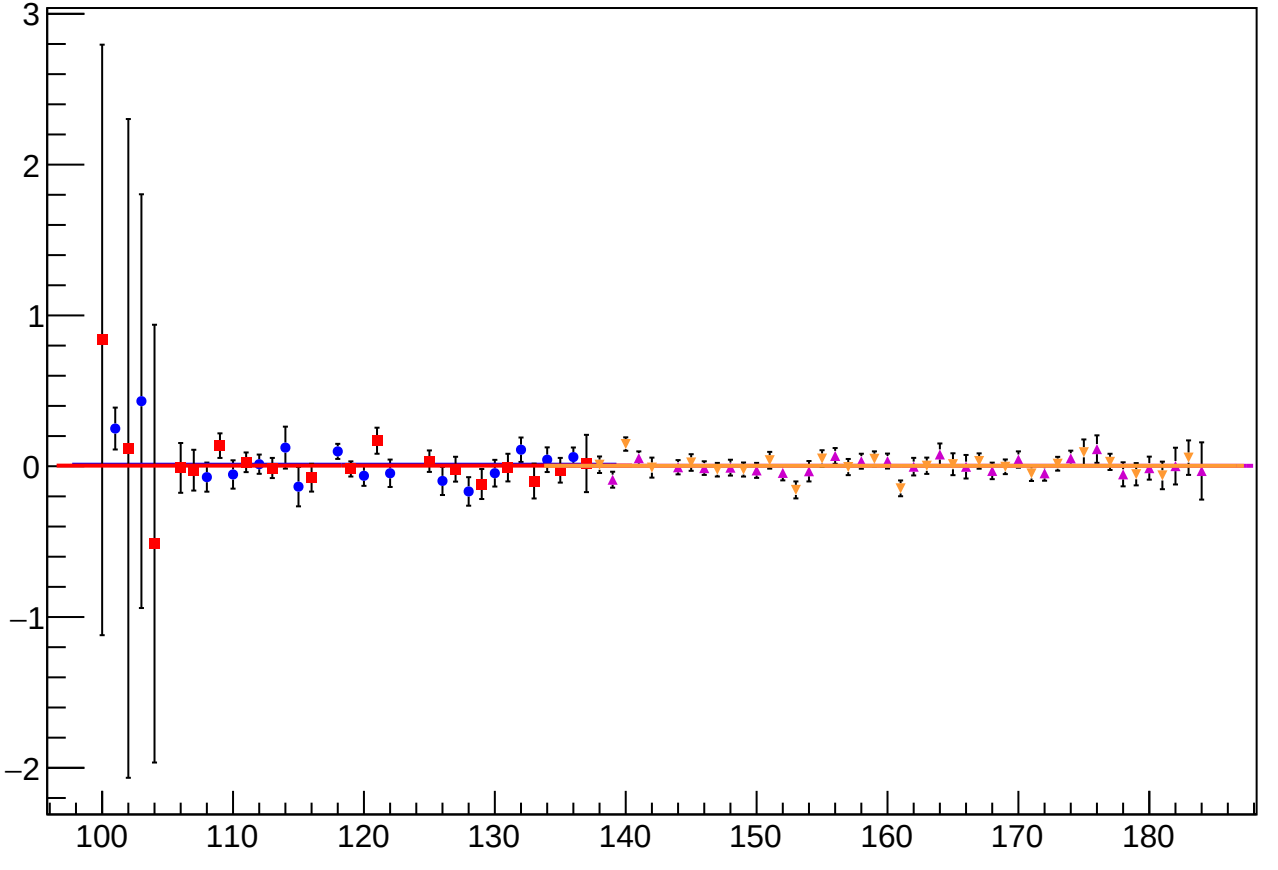
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 47.597+/-0.007 χ^2/NDF:3178231.4/38

Out: 45.238+/-0.007 χ^2/NDF:3853535.2/40

All: 46.394+/-0.005 χ^2/NDF: 7084484.3/79

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:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 48.2/45

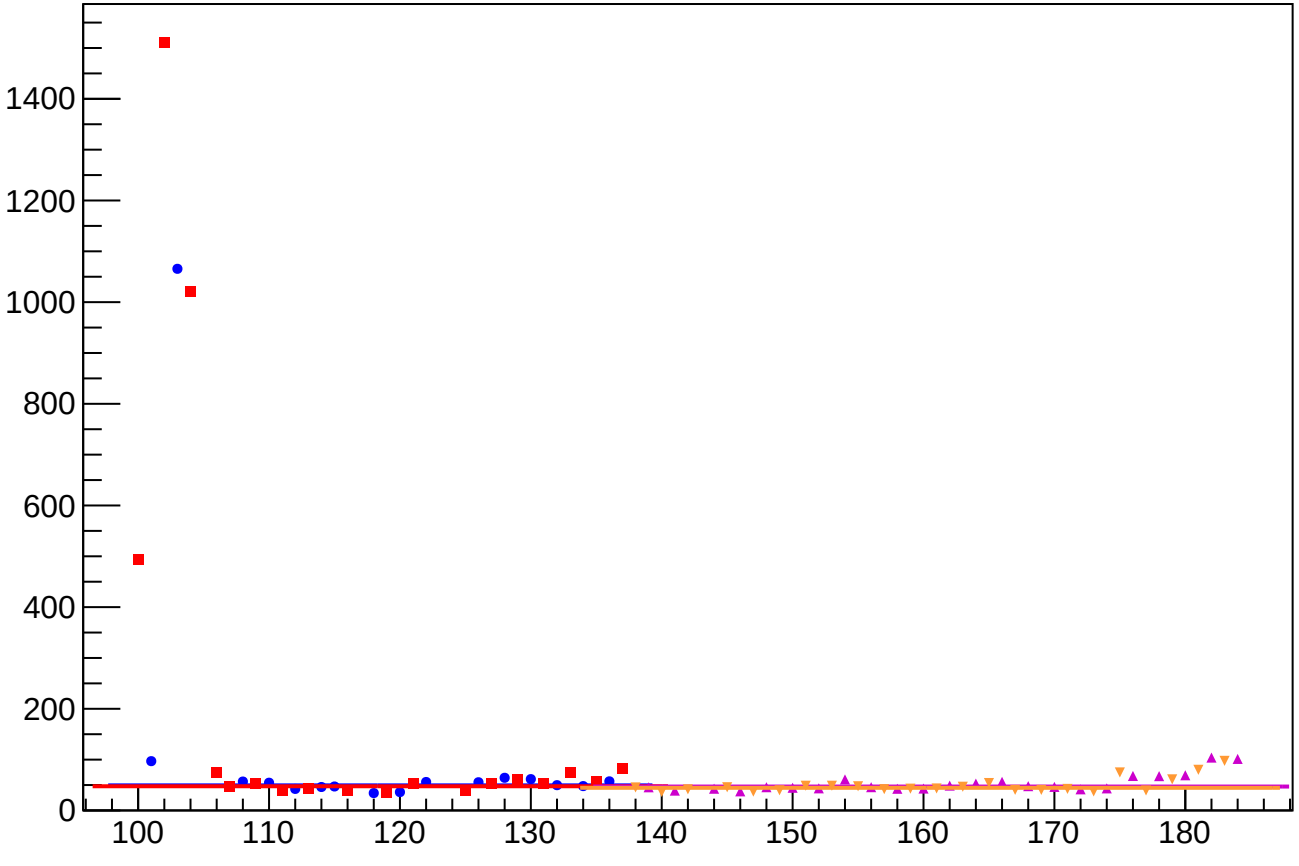
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/38

Out: 0.003+/-0.010 χ^2/NDF:44.3/40

All: 0.004+/-0.007 χ^2/NDF: 77.3/79

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: 47.033+/-0.008 χ^2/NDF:1383050.4/22

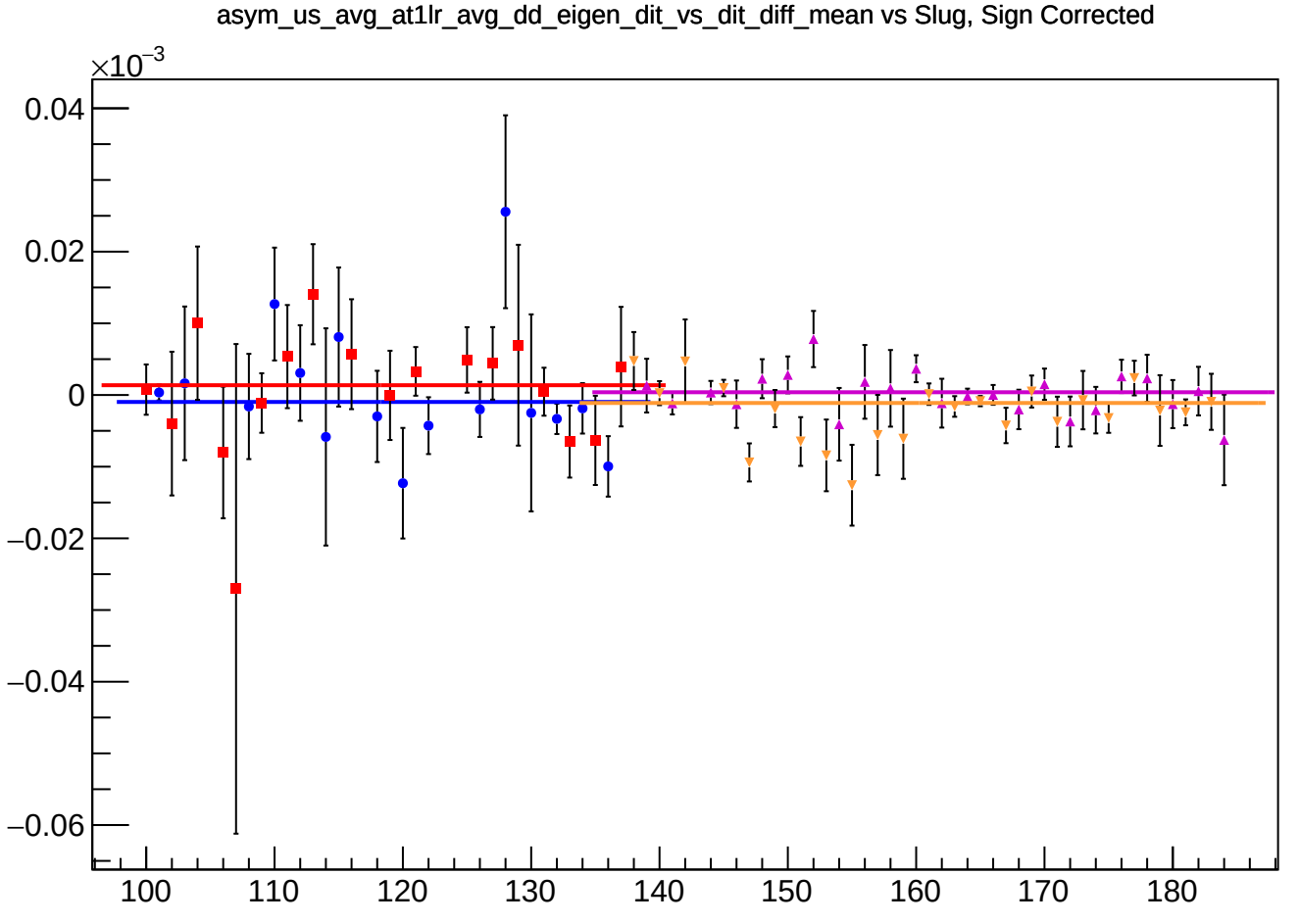
Left: 45.753+/-0.006 χ^2/NDF: 2831715.5/45

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 47.597+/-0.007 χ^2/NDF:3178231.4/38

Out: 45.238+/-0.007 χ^2/NDF:3853535.2/40

All: 46.394+/-0.005 χ^2/NDF: 7084484.3/79



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:16.3/22

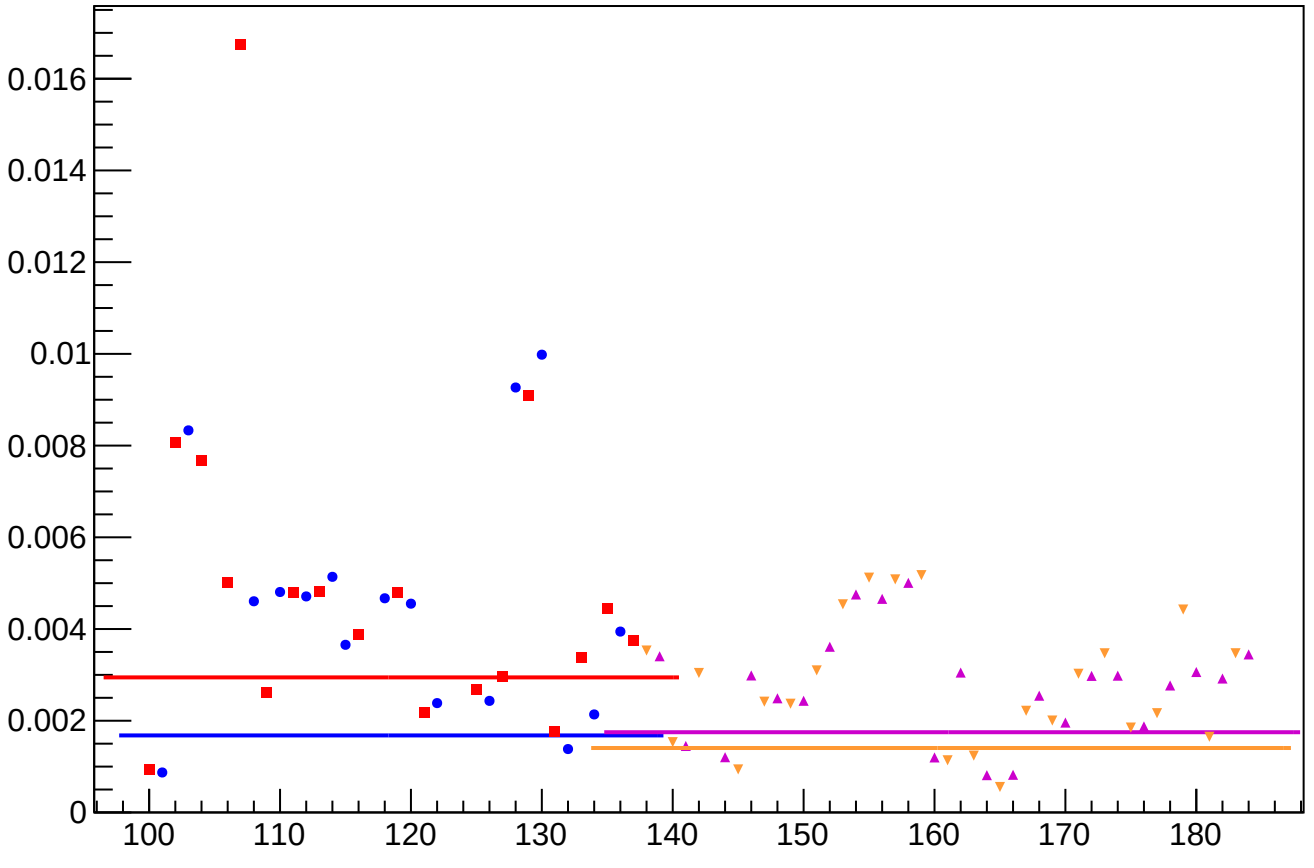
Left: -0.000+/-0.000 χ^2/NDF: 56.2/45

Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:37.0/38

Out: -0.000+/-0.000 χ^2/NDF:50.4/40

All: -0.000+/-0.000 χ^2/NDF: 89.9/79



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:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20205394.3/45

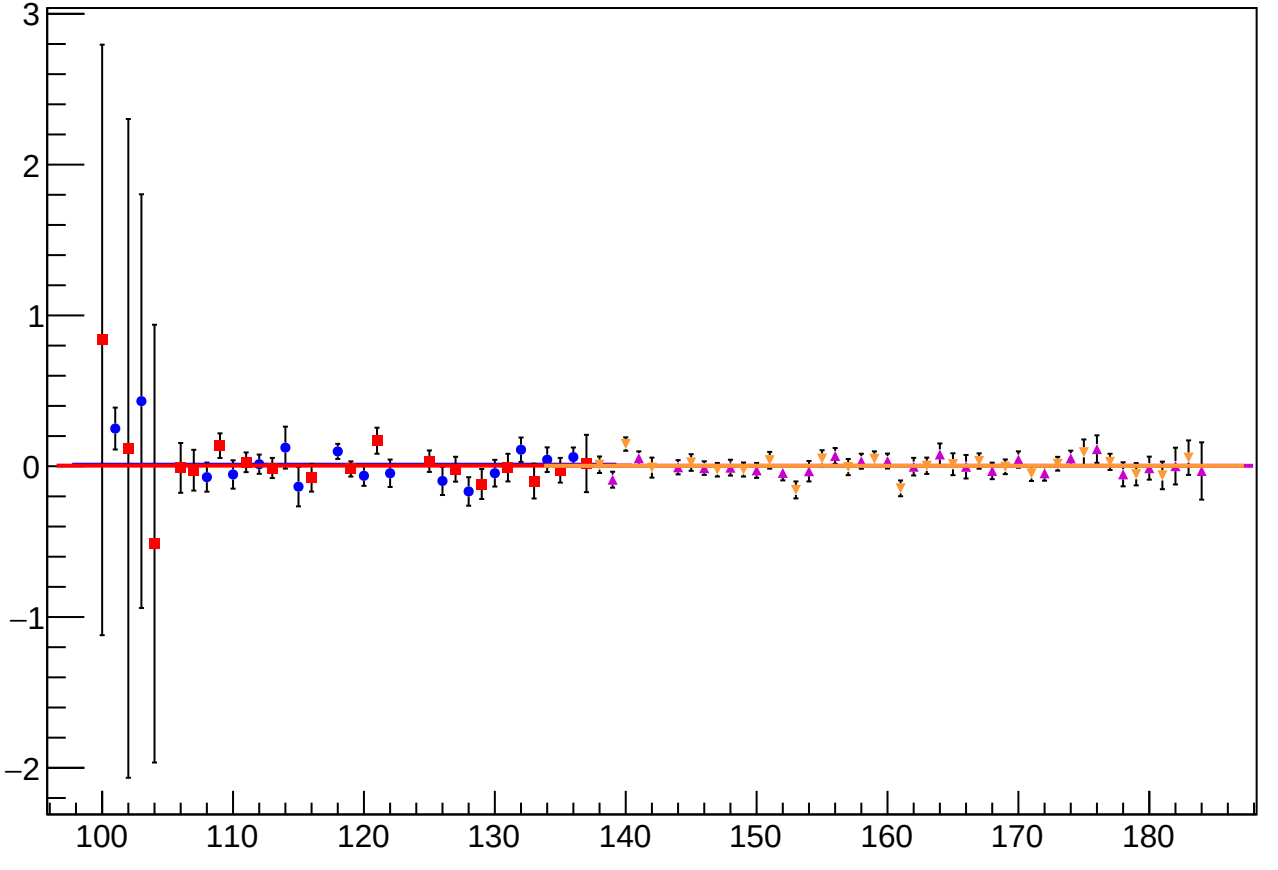
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:14209691.1/38

Out: 0.002+/-0.000 χ^2/NDF:17356678.0/40

All: 0.002+/-0.000 χ^2/NDF: 31771495.9/79

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:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 48.2/45

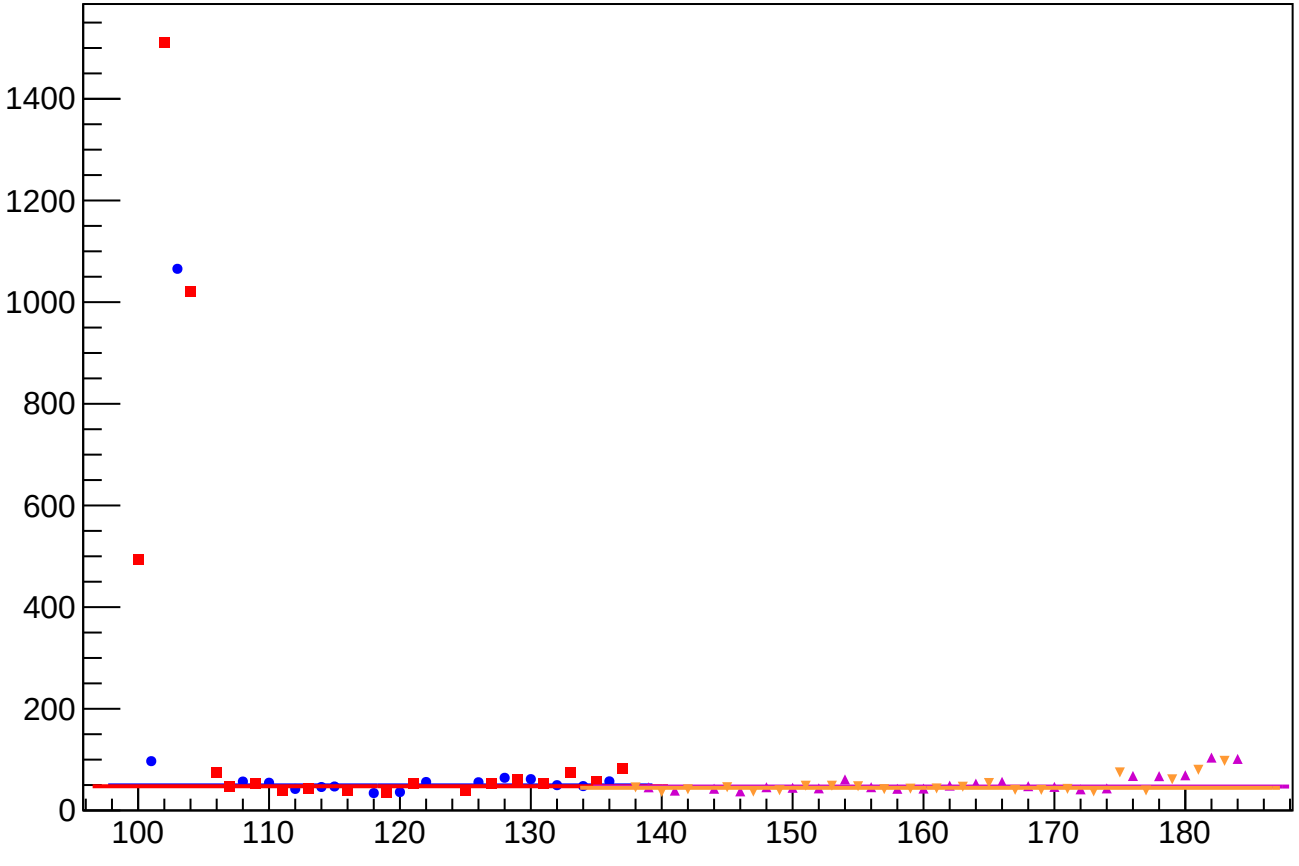
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/38

Out: 0.003+/-0.010 χ^2/NDF:44.3/40

All: 0.004+/-0.007 χ^2/NDF: 77.3/79

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: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.753+/-0.006 χ^2/NDF: 2831777.2/45

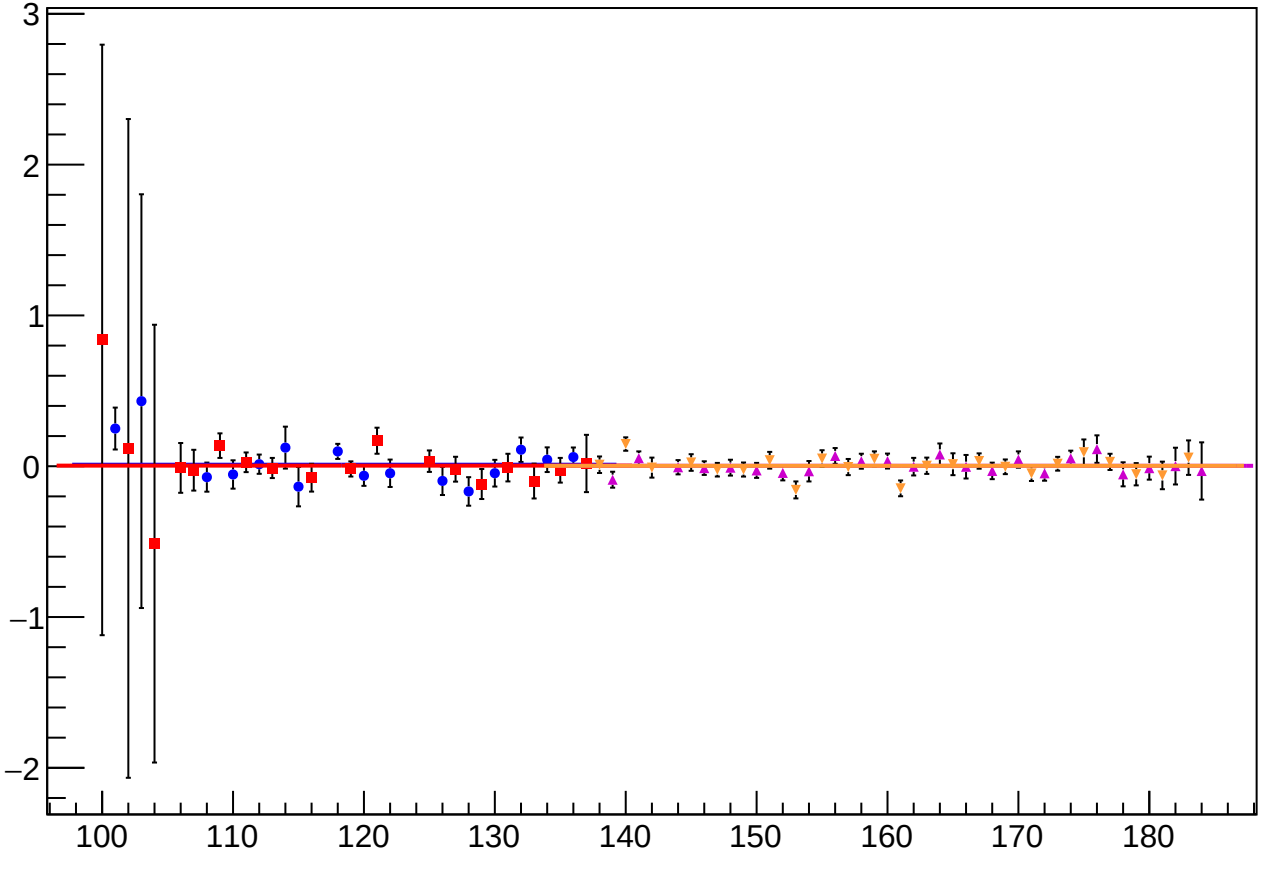
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 47.596+/-0.007 χ^2/NDF:3178240.4/38

Out: 45.238+/-0.007 χ^2/NDF:3853555.6/40

All: 46.394+/-0.005 χ^2/NDF: 7084511.5/79

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:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 48.2/45

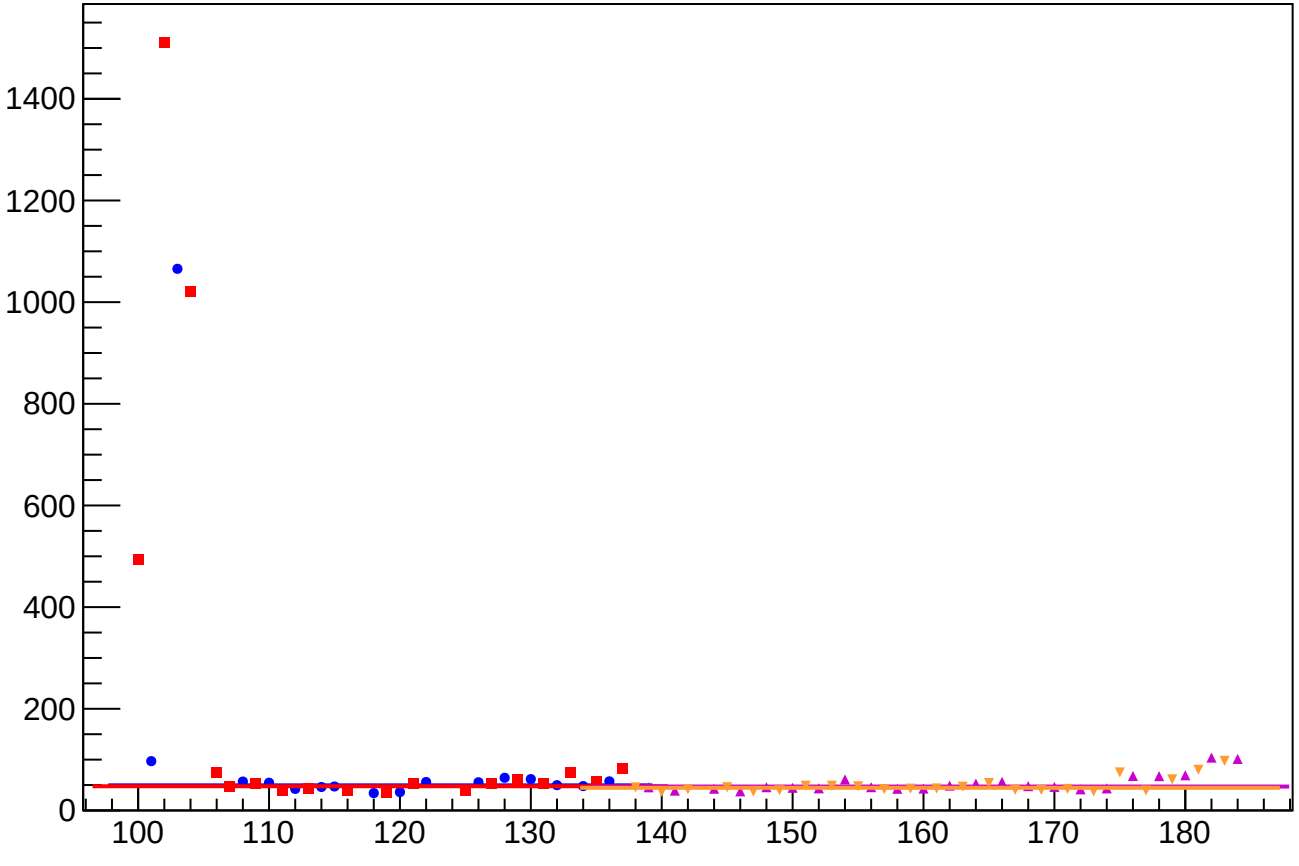
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/38

Out: 0.003+/-0.010 χ^2/NDF:44.3/40

All: 0.004+/-0.007 χ^2/NDF: 77.3/79

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: 47.033+/-0.008 χ^2/NDF:1383121.1/22

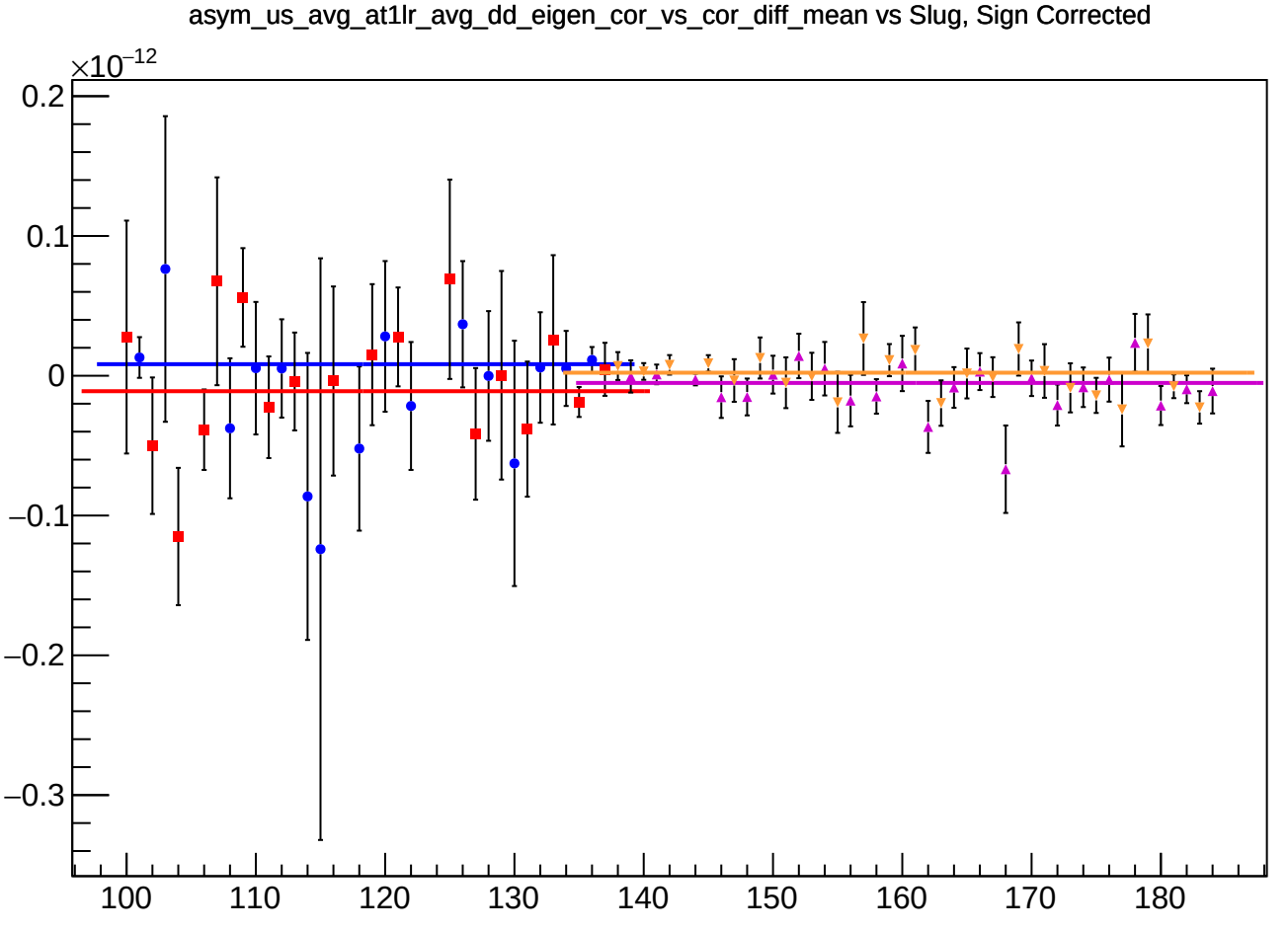
Left: 45.753+/-0.006 χ^2/NDF: 2831777.2/45

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 47.596+/-0.007 χ^2/NDF:3178240.4/38

Out: 45.238+/-0.007 χ^2/NDF:3853555.6/40

All: 46.394+/-0.005 χ^2/NDF: 7084511.5/79



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.0/22

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

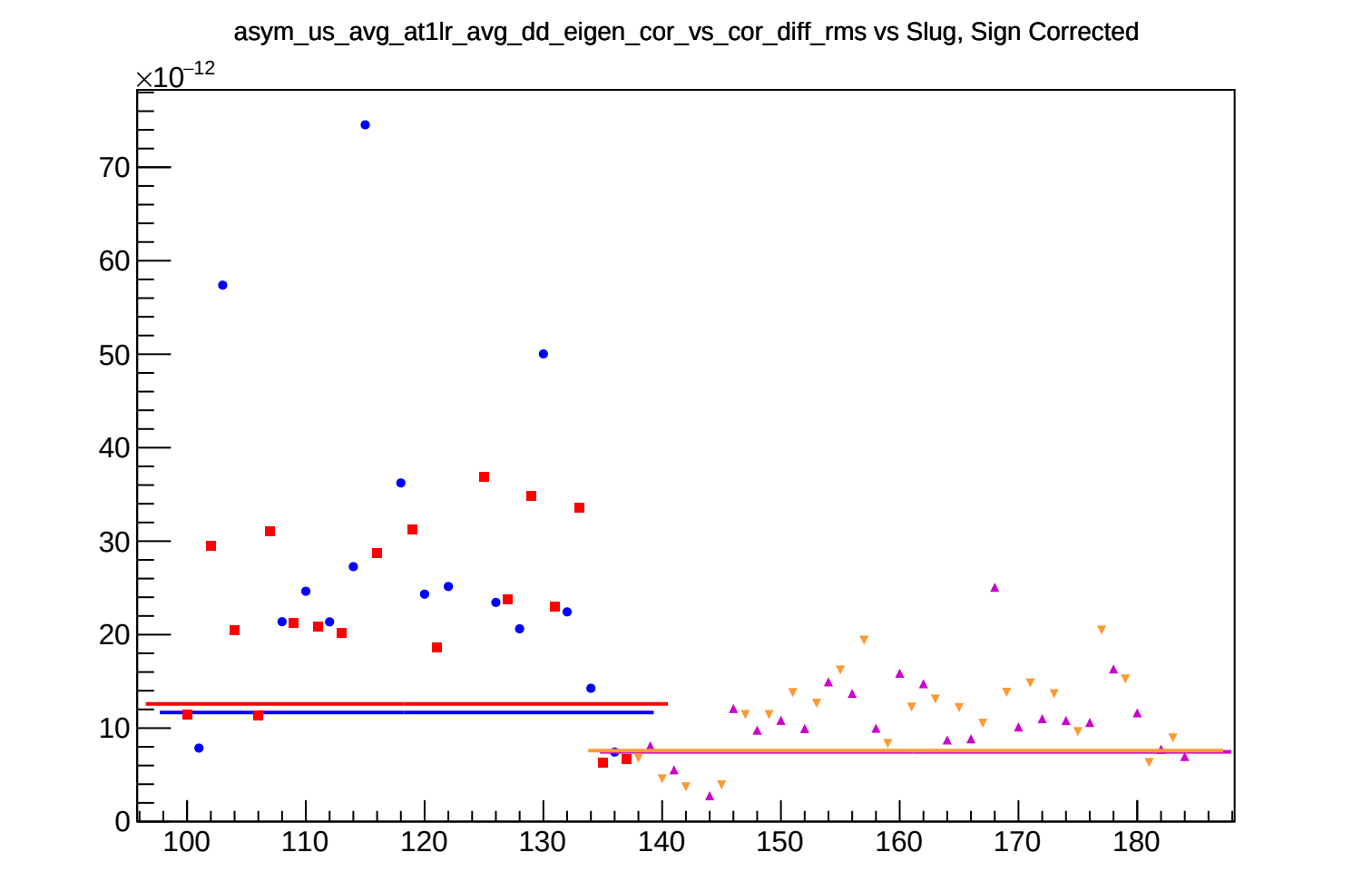
Left: -0.000+/-0.000 χ^2/NDF: 41.5/45

Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:26.9/38

Out: 0.000+/-0.000 χ^2/NDF:38.2/40

All: -0.000+/-0.000 χ^2/NDF: 67.0/79



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5552696.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

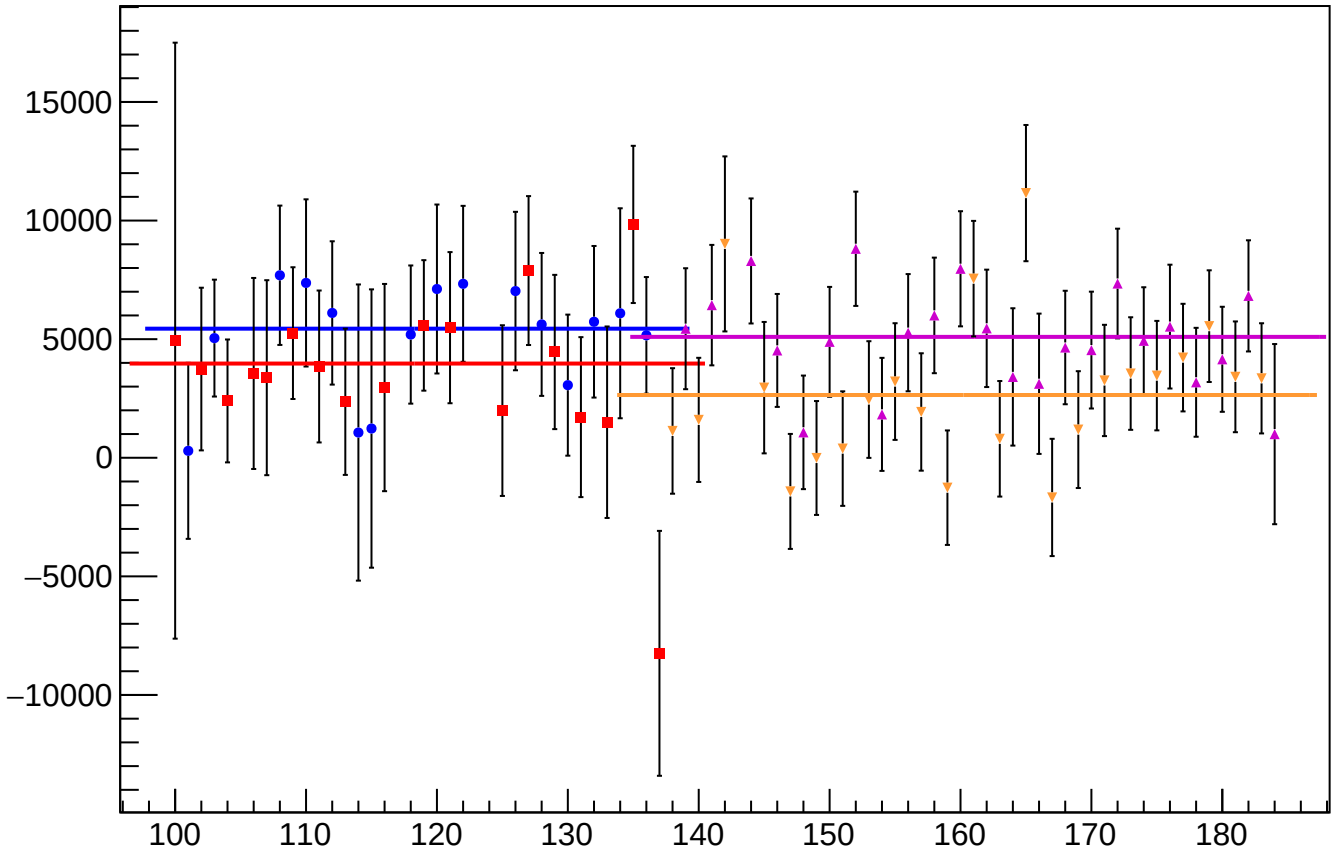
Left: 0.000+/-0.000 χ^2/NDF: 11533822.5/45

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:9590729.1/38

Out: 0.000+/-0.000 χ^2/NDF:9335660.6/40

All: 0.000+/-0.000 χ^2/NDF: 18931283.7/79



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2645.732+/-516.323 χ^2/NDF:30.5/22

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

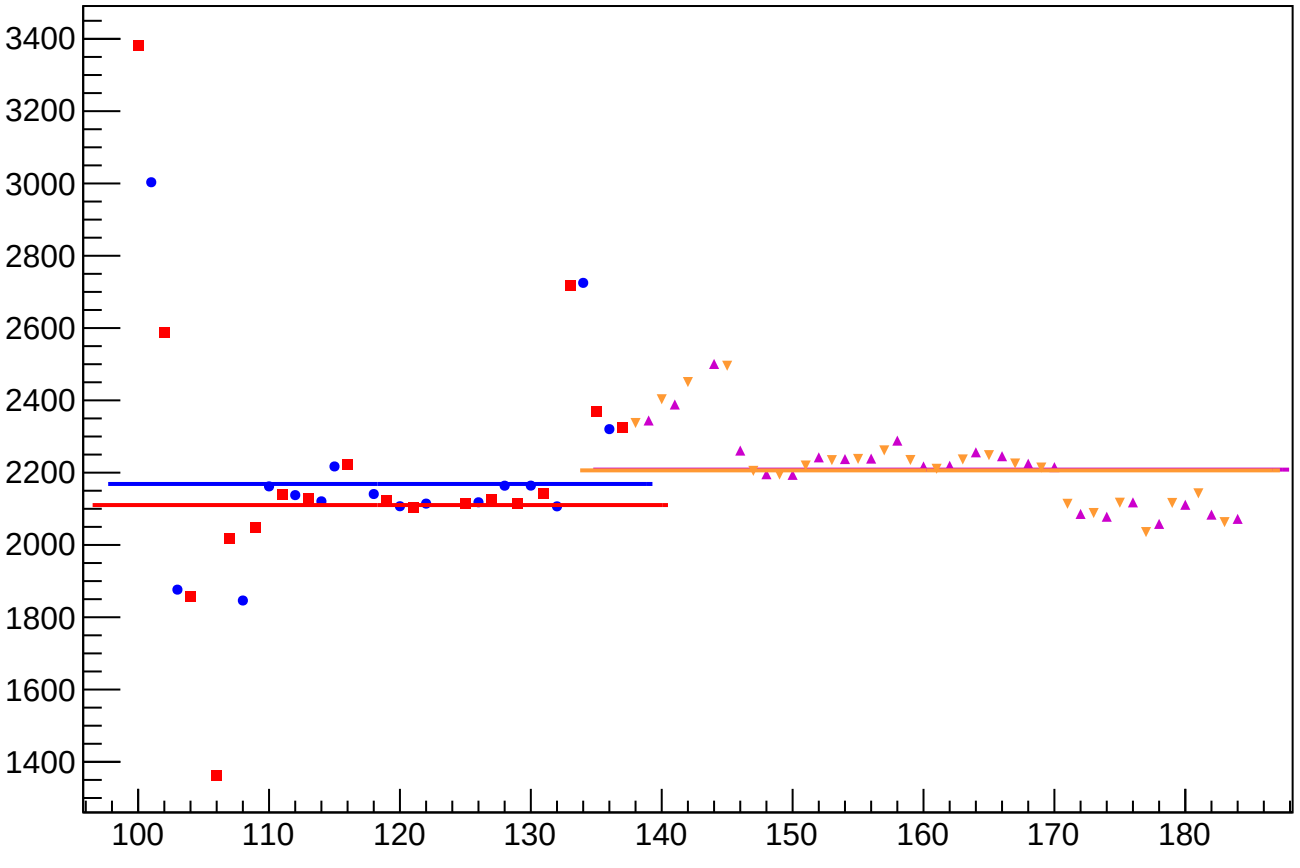
Left: 3871.296+/-365.063 χ^2/NDF: 56.7/45

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5195.901+/-435.728 χ^2/NDF:20.4/38

Out: 3029.506+/-435.238 χ^2/NDF:45.4/40

All: 4111.486+/-307.933 χ^2/NDF: 78.2/79



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: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2207.349+/-0.258 χ^2/NDF: 165090.3/45

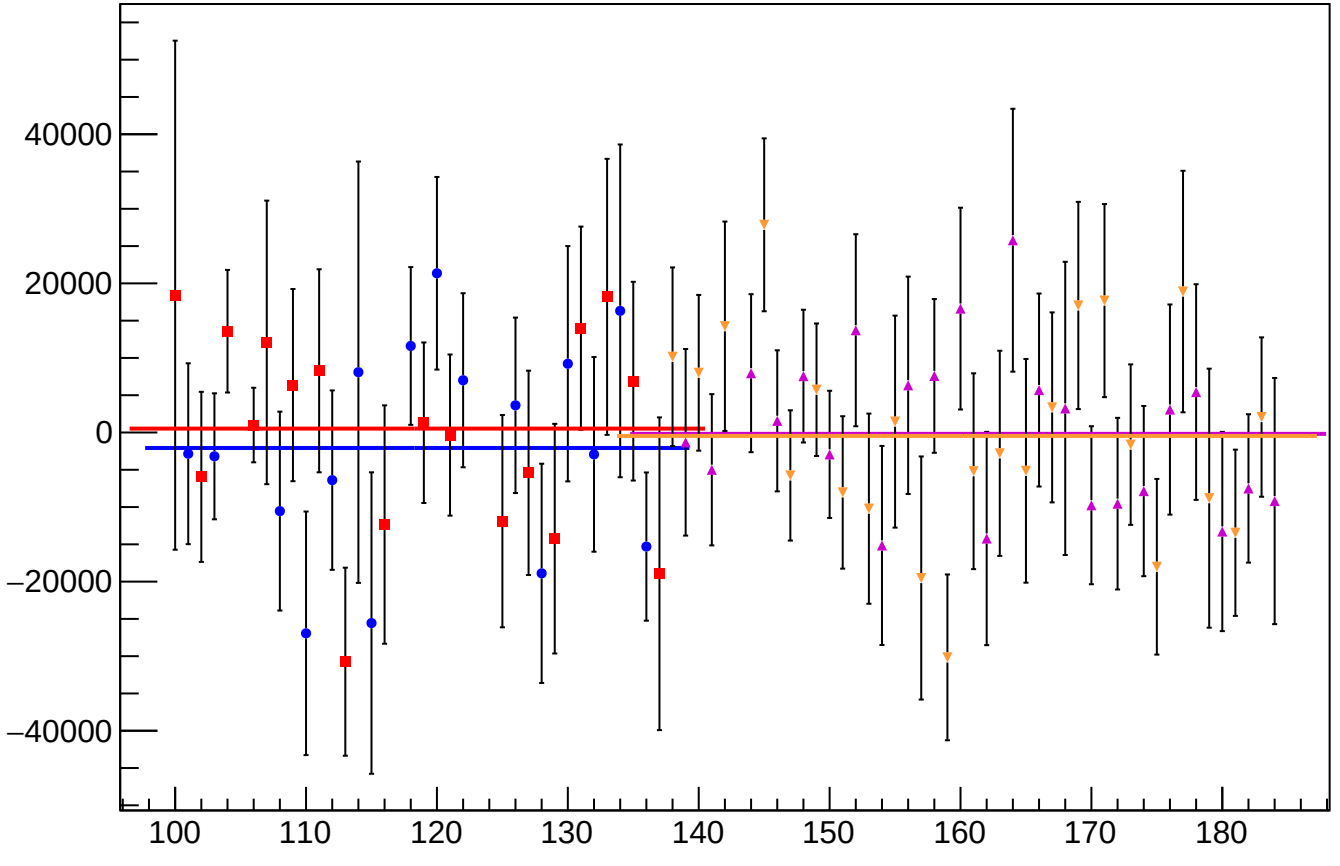
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2196.973+/-0.308 χ^2/NDF:280049.1/38

Out: 2177.911+/-0.306 χ^2/NDF:371942.8/40

All: 2187.387+/-0.217 χ^2/NDF: 653916.8/79

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: -182.426+/-2471.223 χ^2/NDF:13.8/22

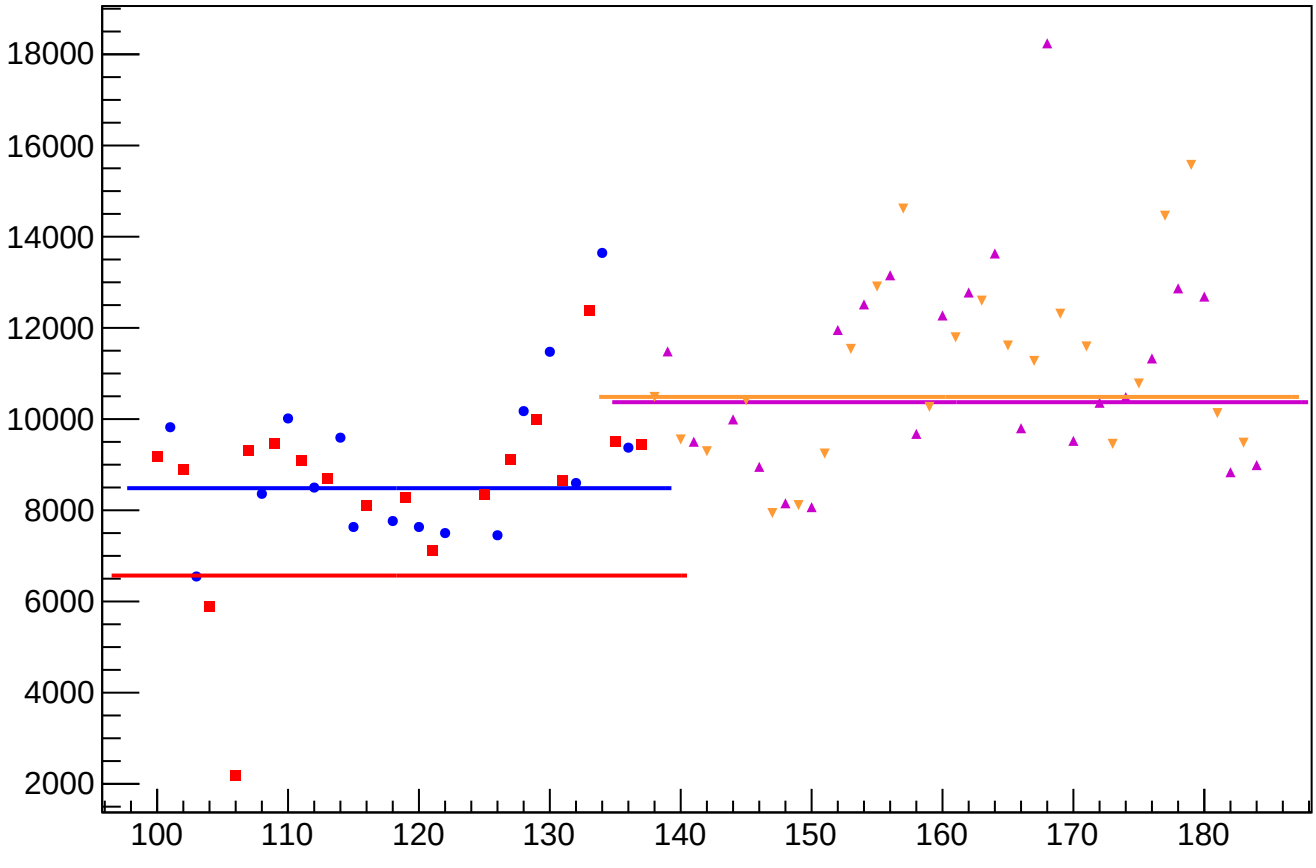
Left: -319.200+/-1758.781 χ^2/NDF: 42.0/45

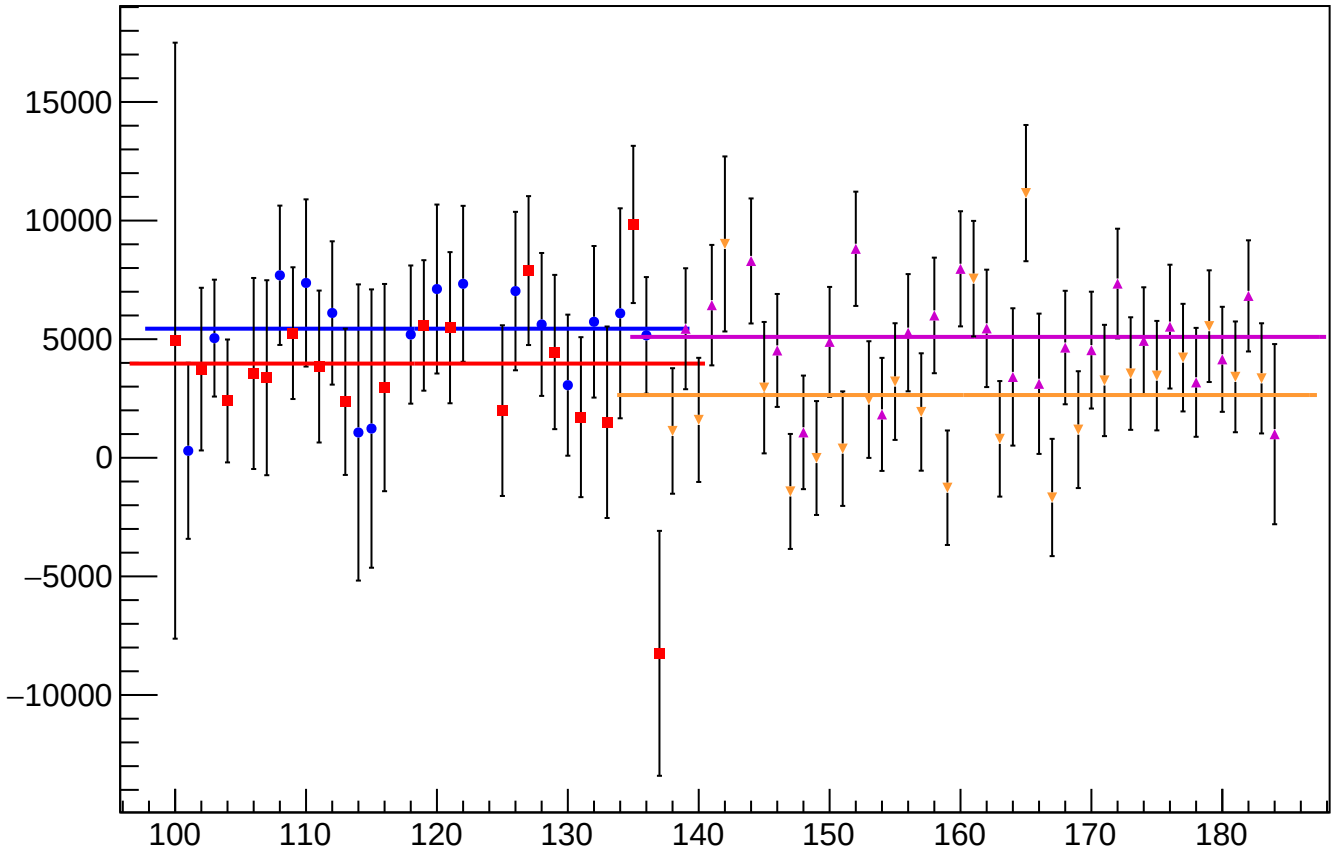
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -886.064+/-1958.638 χ^2/NDF:28.4/38

Out: -8.835+/-1840.730 χ^2/NDF:44.0/40

All: -420.252+/-1341.340 χ^2/NDF: 72.5/79


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
Right In: 8485.000+/-2.271 χ²/NDF: 422706.1/15
Left Out: 10486.165+/-1.770 χ²/NDF:1039732.2/22
Right Out: 6568.711+/-1.920 χ²/NDF: 2568887.0/17
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
Left: 10427.778+/-1.244 χ²/NDF: 2245637.6/45
Right: 7367.464+/-1.466 χ²/NDF: 3406715.7/33
In: 9669.682+/-1.385 χ²/NDF:2059549.6/38
Out: 8686.231+/-1.302 χ²/NDF:5858368.3/40
All: 9147.466+/-0.948 χ²/NDF: 8185665.5/79



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: 5096.334+/-516.232 χ^2/NDF:14.9/22

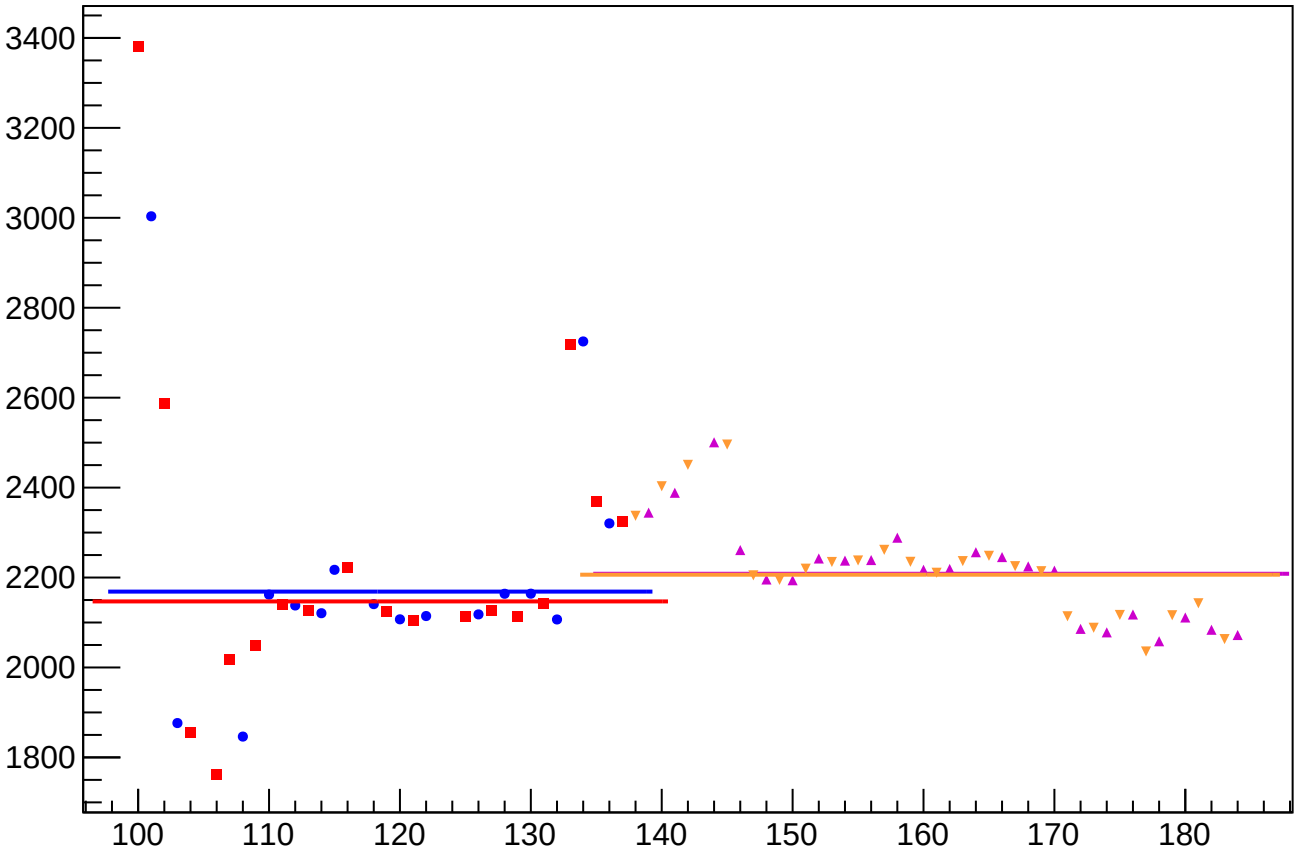
Left: 3871.211+/-365.063 χ^2/NDF: 56.7/45

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5195.876+/-435.728 χ^2/NDF:20.4/38

Out: 3029.376+/-435.238 χ^2/NDF:45.4/40

All: 4111.409+/-307.933 χ^2/NDF: 78.2/79



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: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2207.349+/-0.258 χ^2/NDF: 165090.3/45

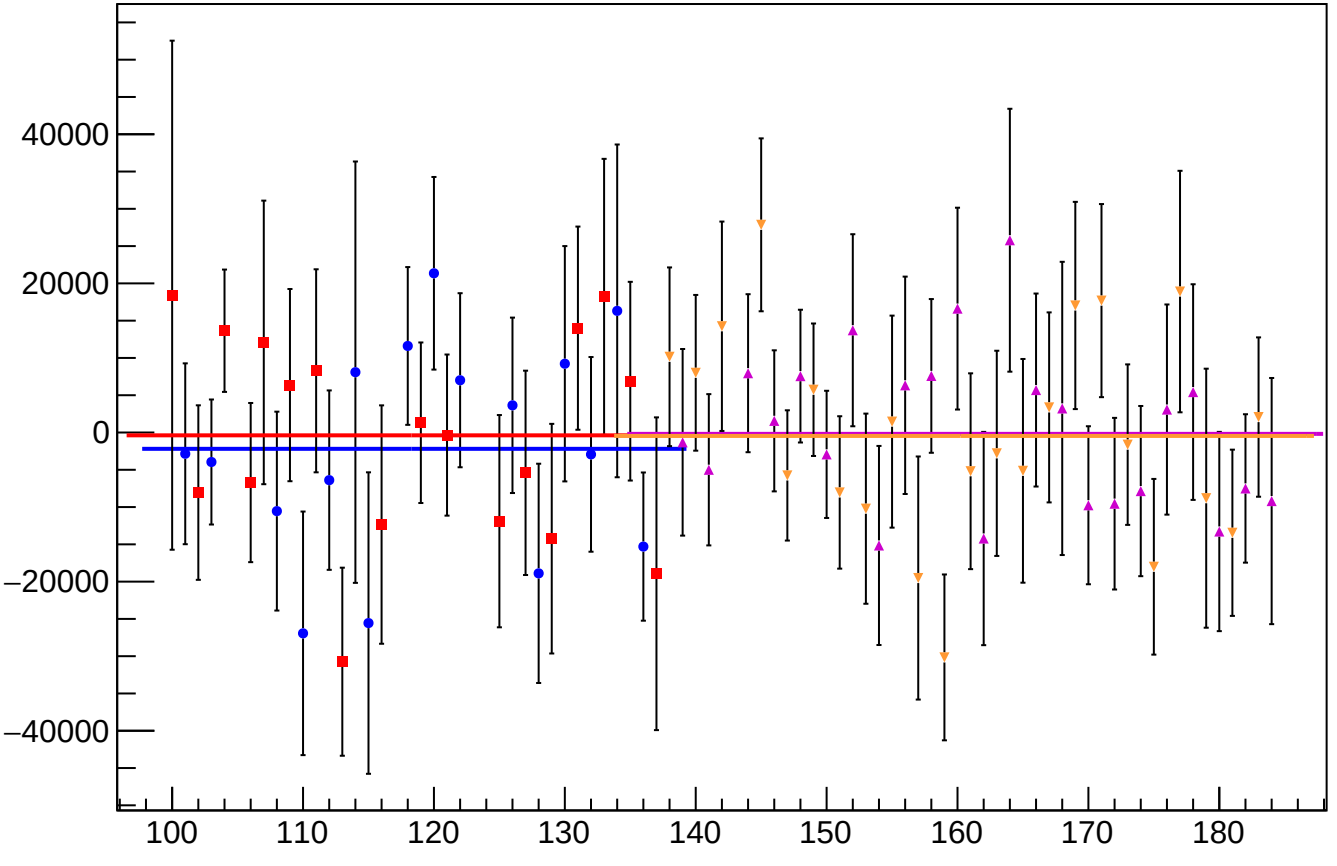
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2196.973+/-0.308 χ^2/NDF:280049.5/38

Out: 2188.996+/-0.307 χ^2/NDF:249554.2/40

All: 2192.974+/-0.218 χ^2/NDF: 529939.7/79

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: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -319.155+/-1758.780 χ^2/NDF: 42.0/45

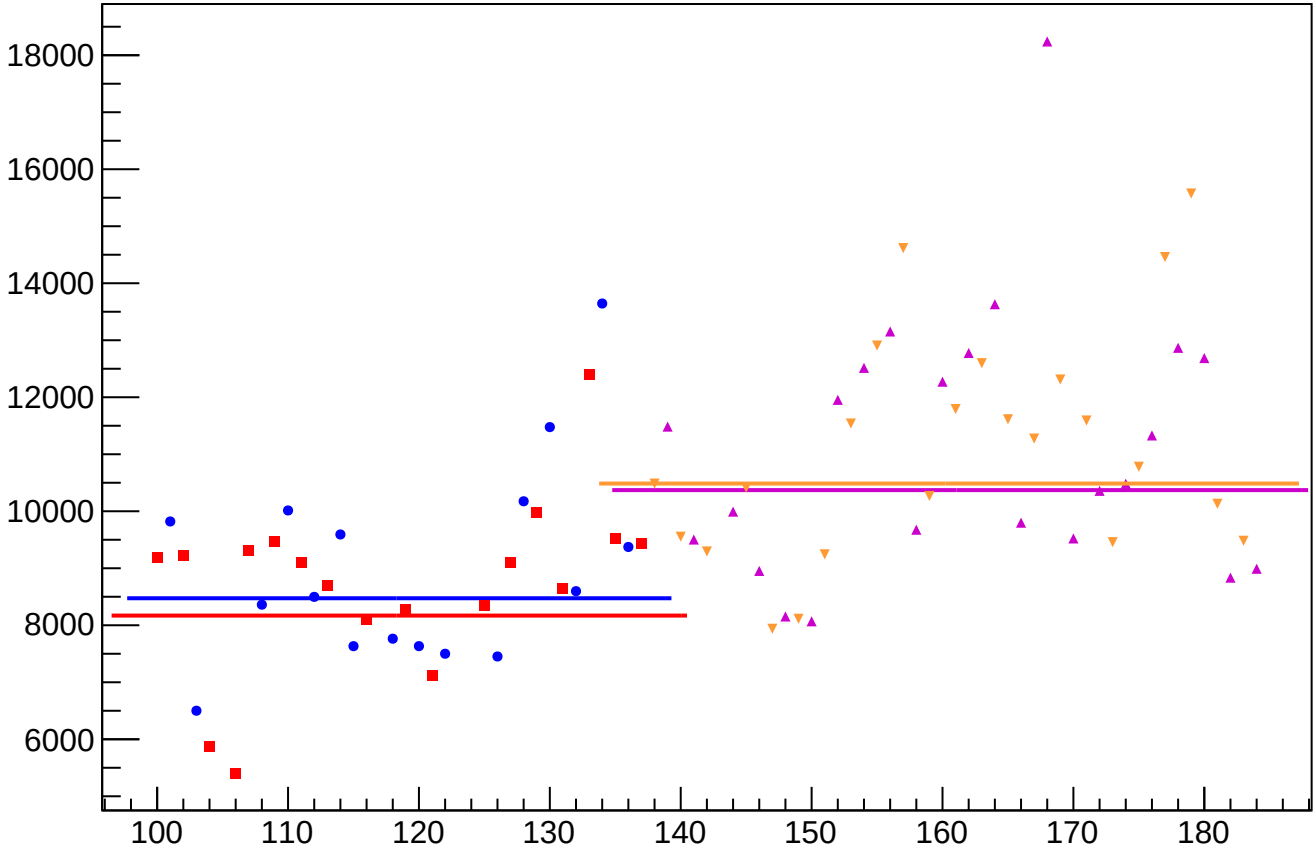
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -929.605+/-1957.827 χ^2/NDF:28.5/38

Out: -427.854+/-1947.754 χ^2/NDF:44.5/40

All: -677.435+/-1380.817 χ^2/NDF: 73.0/79

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: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

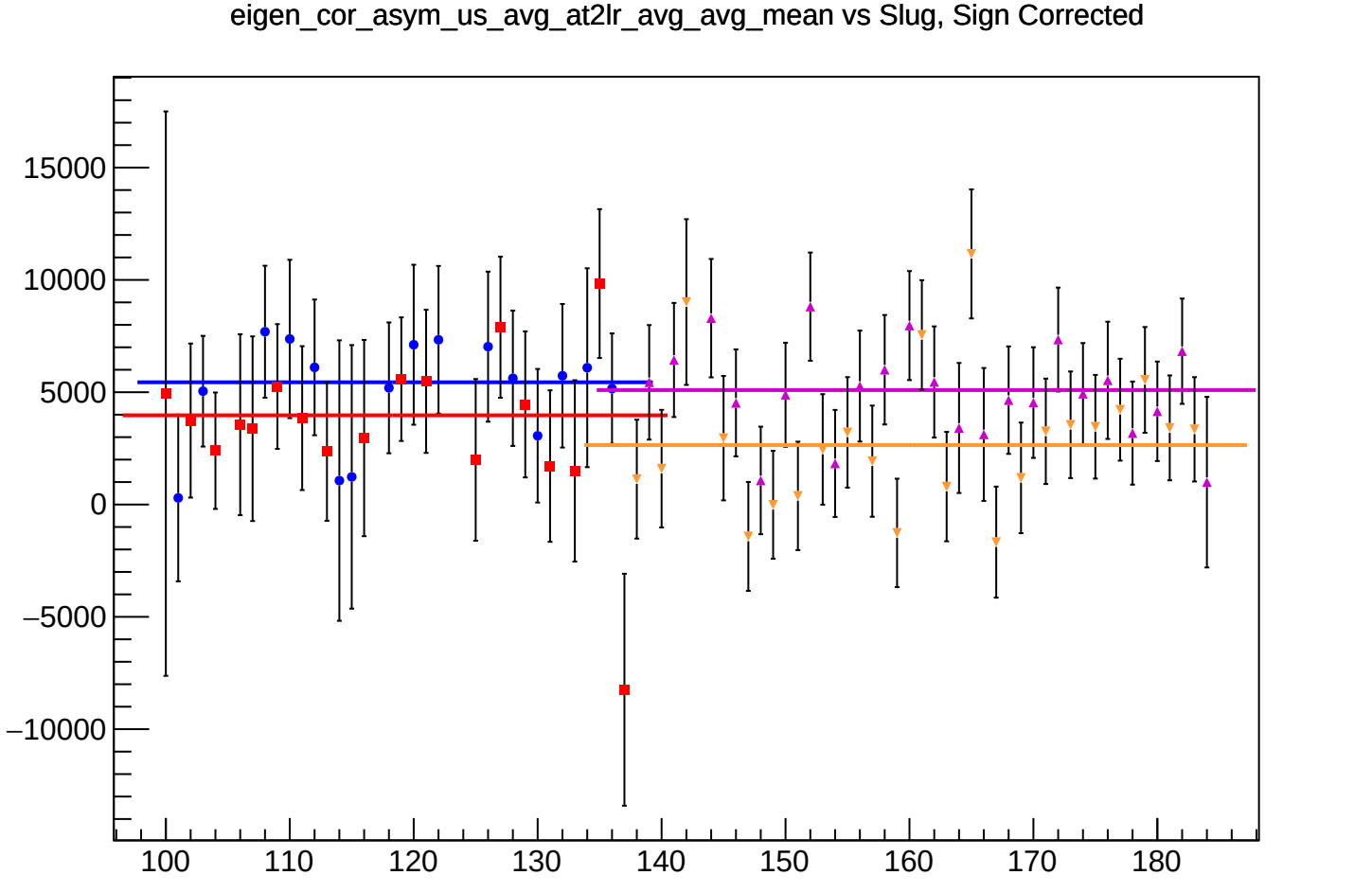
Left: 10427.773+/-1.244 χ^2/NDF: 2245645.6/45

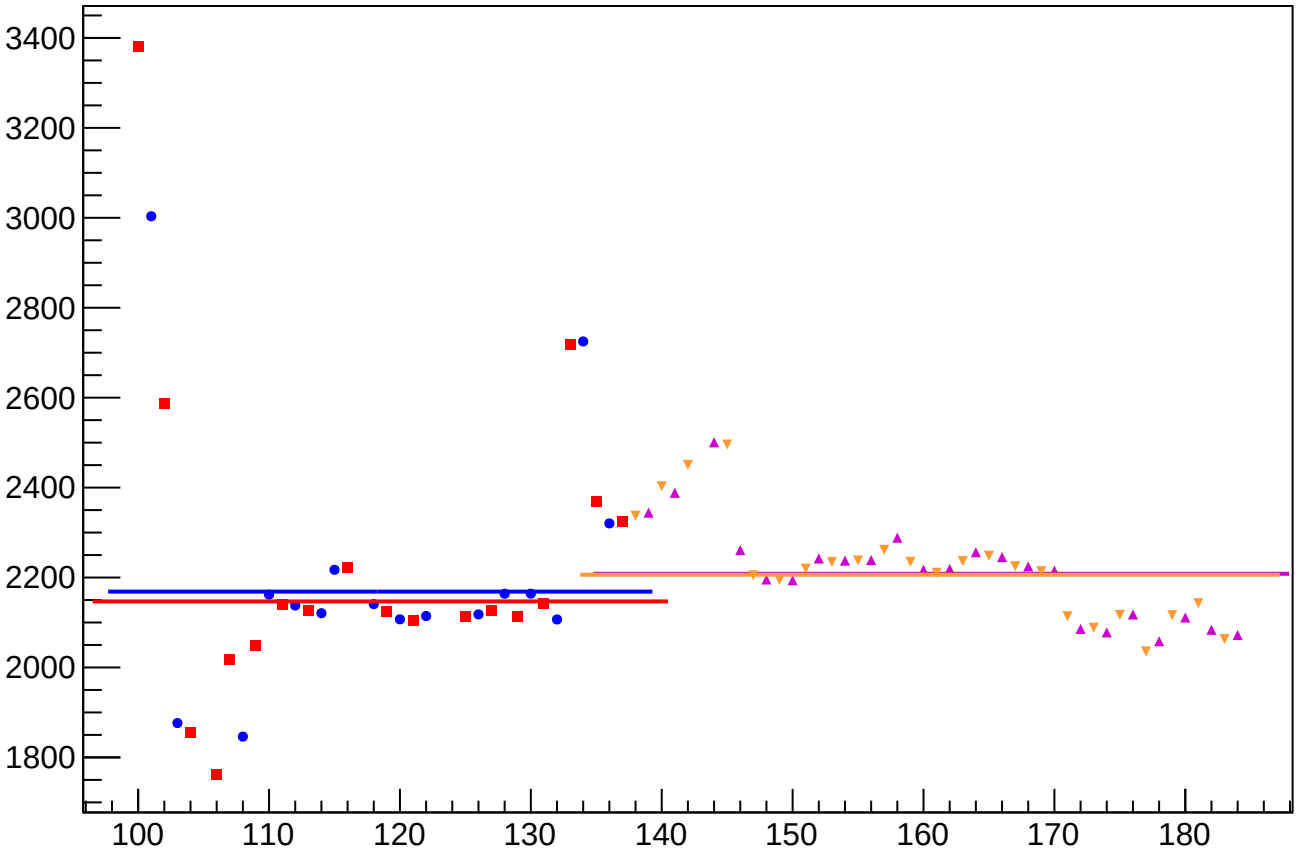
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9664.506+/-1.384 χ^2/NDF:2072190.4/38

Out: 9571.794+/-1.377 χ^2/NDF:2255368.5/40

All: 9617.911+/-0.976 χ^2/NDF: 4329813.0/79


eigen_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: 5096.334+/-516.232 χ²/NDF:14.9/22
Left: 3871.211+/-365.063 χ²/NDF: 56.7/45
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5195.876+/-435.728 χ²/NDF:20.4/38
Out: 3029.376+/-435.238 χ²/NDF:45.4/40
All: 4111.409+/-307.933 χ²/NDF: 78.2/79



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: 2208.379+/-0.365 χ^2/NDF:80994.3/22

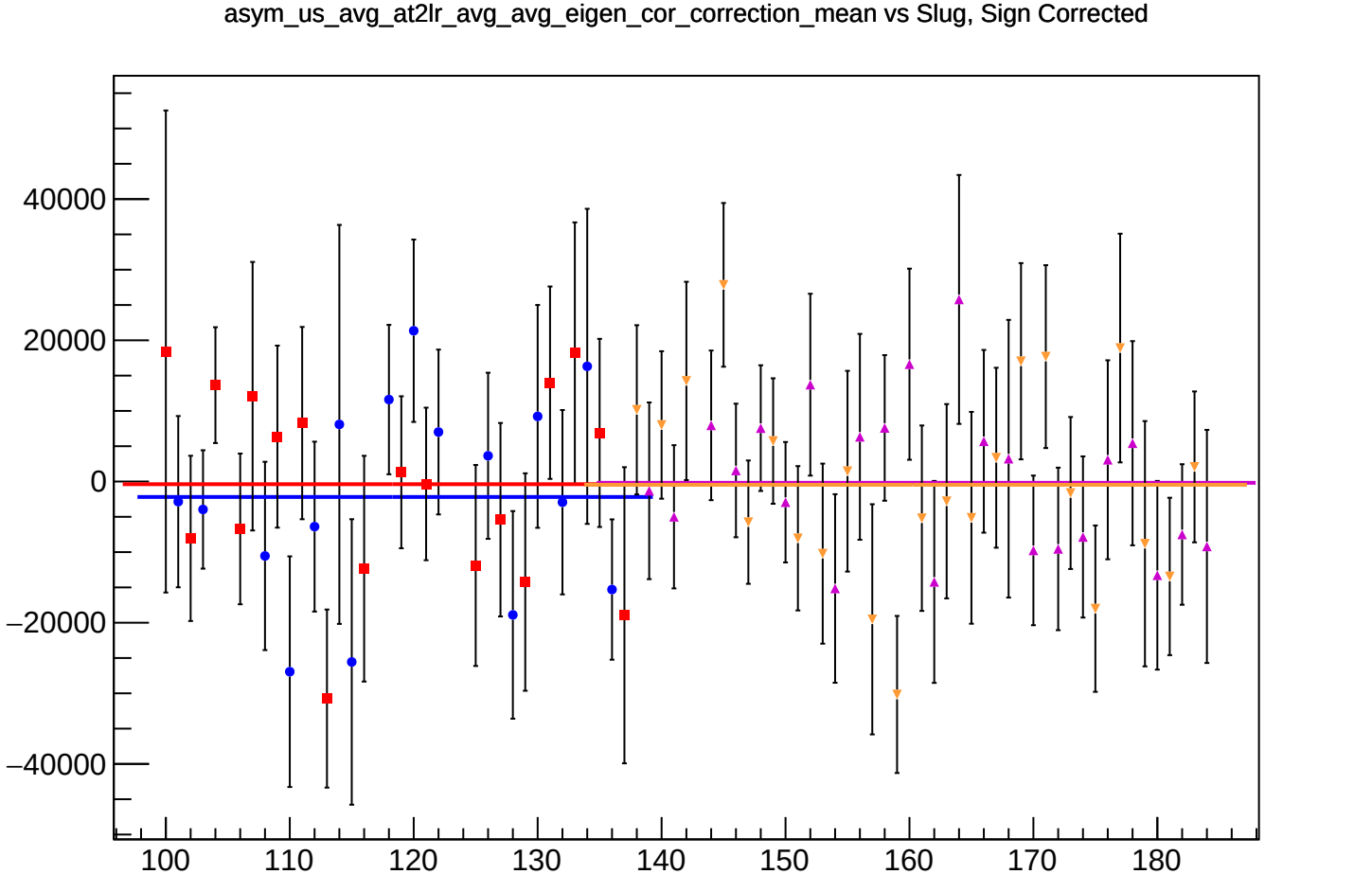
Left: 2207.349+/-0.258 χ^2/NDF: 165090.3/45

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

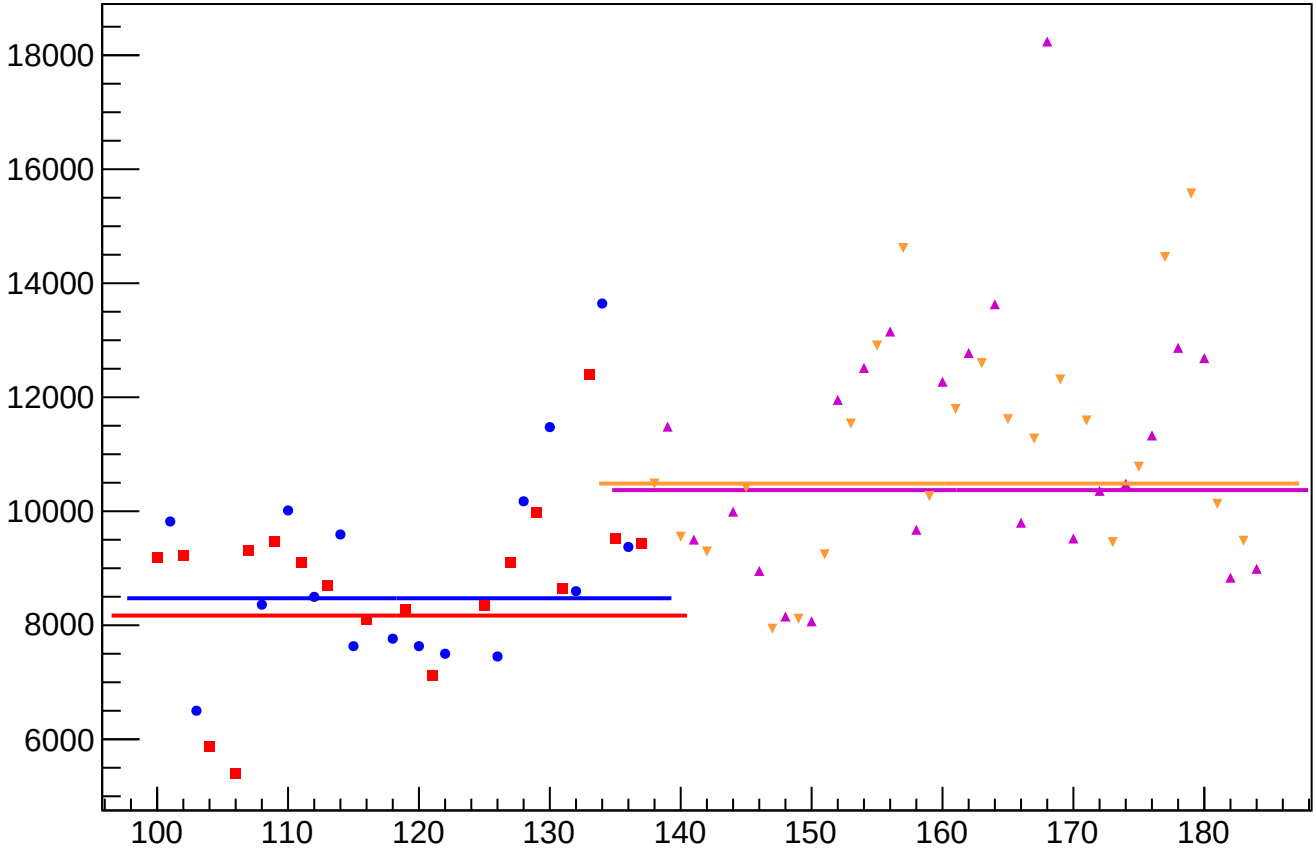
In: 2196.973+/-0.308 χ^2/NDF:280049.5/38

Out: 2188.996+/-0.307 χ^2/NDF:249554.2/40

All: 2192.974+/-0.218 χ^2/NDF: 529939.7/79


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -459.567+/-2503.677 χ²/NDF:28.2/22
Right Out: -379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -319.155+/-1758.780 χ²/NDF: 42.0/45
Right: -1253.105+/-2229.393 χ²/NDF: 30.9/33
In: -929.605+/-1957.827 χ²/NDF:28.5/38
Out: -427.854+/-1947.754 χ²/NDF:44.5/40
All: -677.435+/-1380.817 χ²/NDF: 73.0/79

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10486.163+/-1.770 χ^2/NDF:1039734.1/22

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

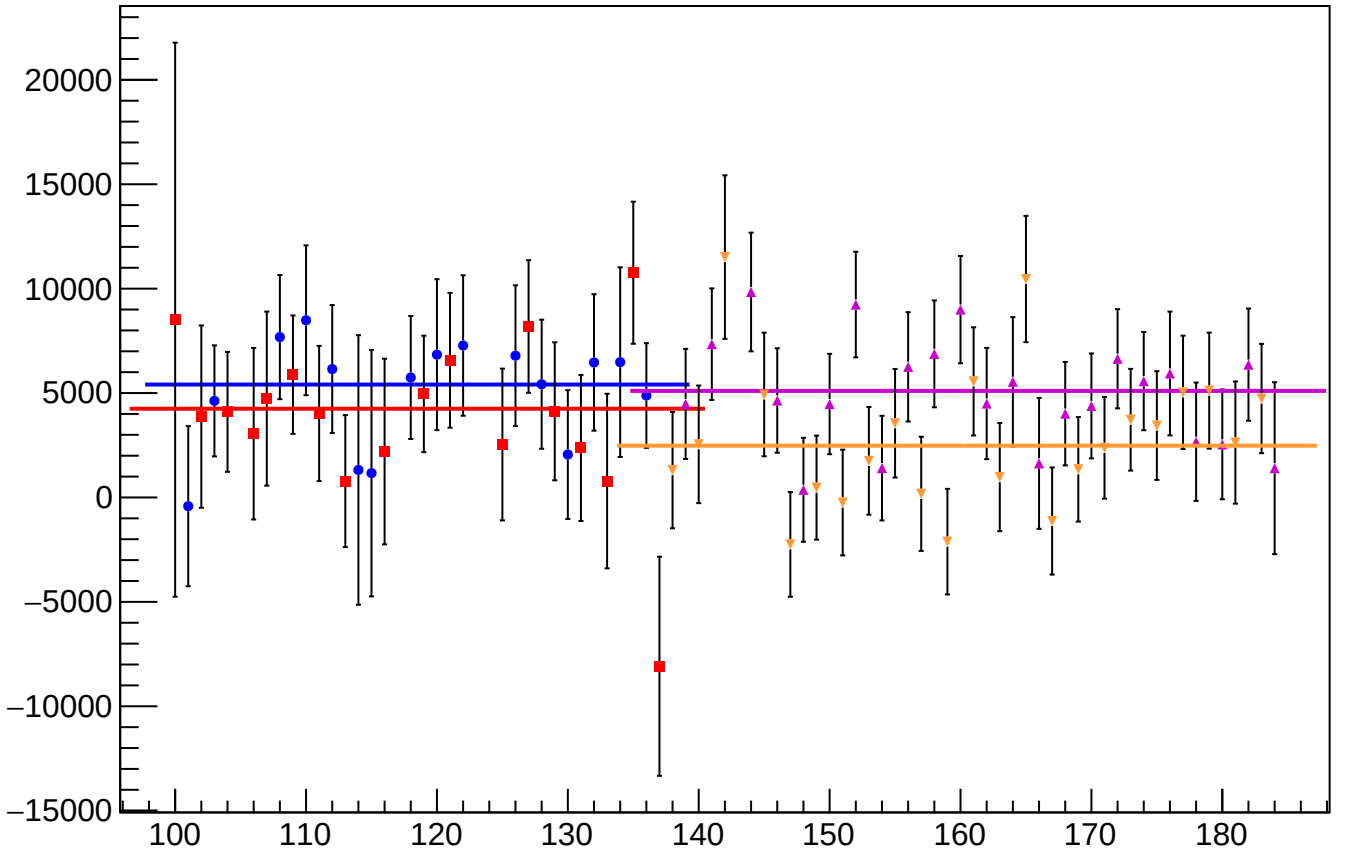
Left: 10427.773+/-1.244 χ^2/NDF: 2245645.6/45

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9664.506+/-1.384 χ^2/NDF:2072190.4/38

Out: 9571.794+/-1.377 χ^2/NDF:2255368.5/40

All: 9617.911+/-0.976 χ^2/NDF: 4329813.0/79



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: 5102.993+/-552.583 χ^2/NDF:19.9/22

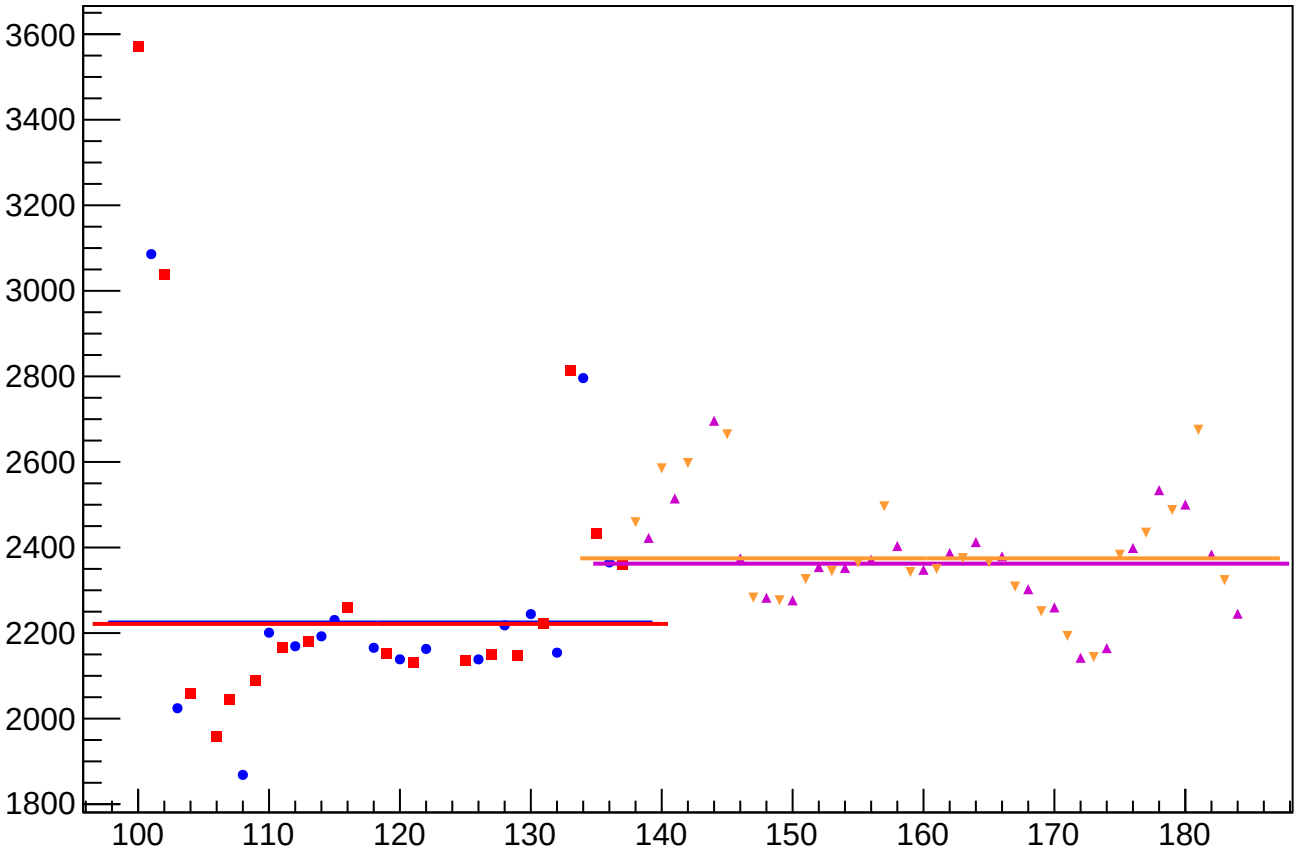
Left: 3800.060+/-392.048 χ^2/NDF: 60.7/45

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5196.050+/-460.593 χ^2/NDF:26.7/38

Out: 3019.840+/-463.707 χ^2/NDF:47.2/40

All: 4115.277+/-326.784 χ^2/NDF: 85.0/79



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: 2362.218+/-0.391 χ^2/NDF:91896.7/22

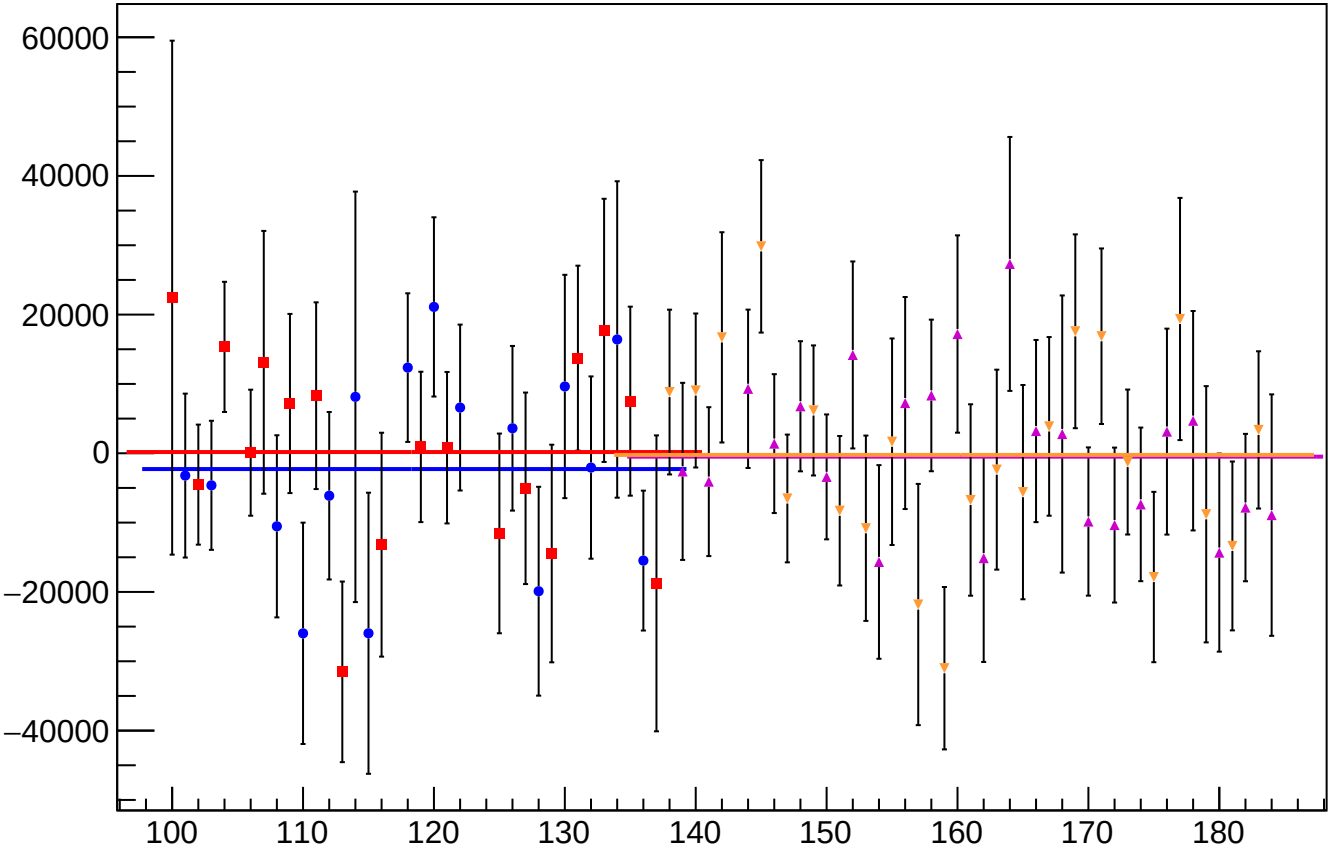
Left: 2368.426+/-0.277 χ^2/NDF: 203789.7/45

Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2320.217+/-0.326 χ^2/NDF:314431.9/38

Out: 2327.890+/-0.328 χ^2/NDF:327718.7/40

All: 2324.028+/-0.231 χ^2/NDF: 642426.2/79



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: -490.044+/-2577.213 χ^2/NDF:13.5/22

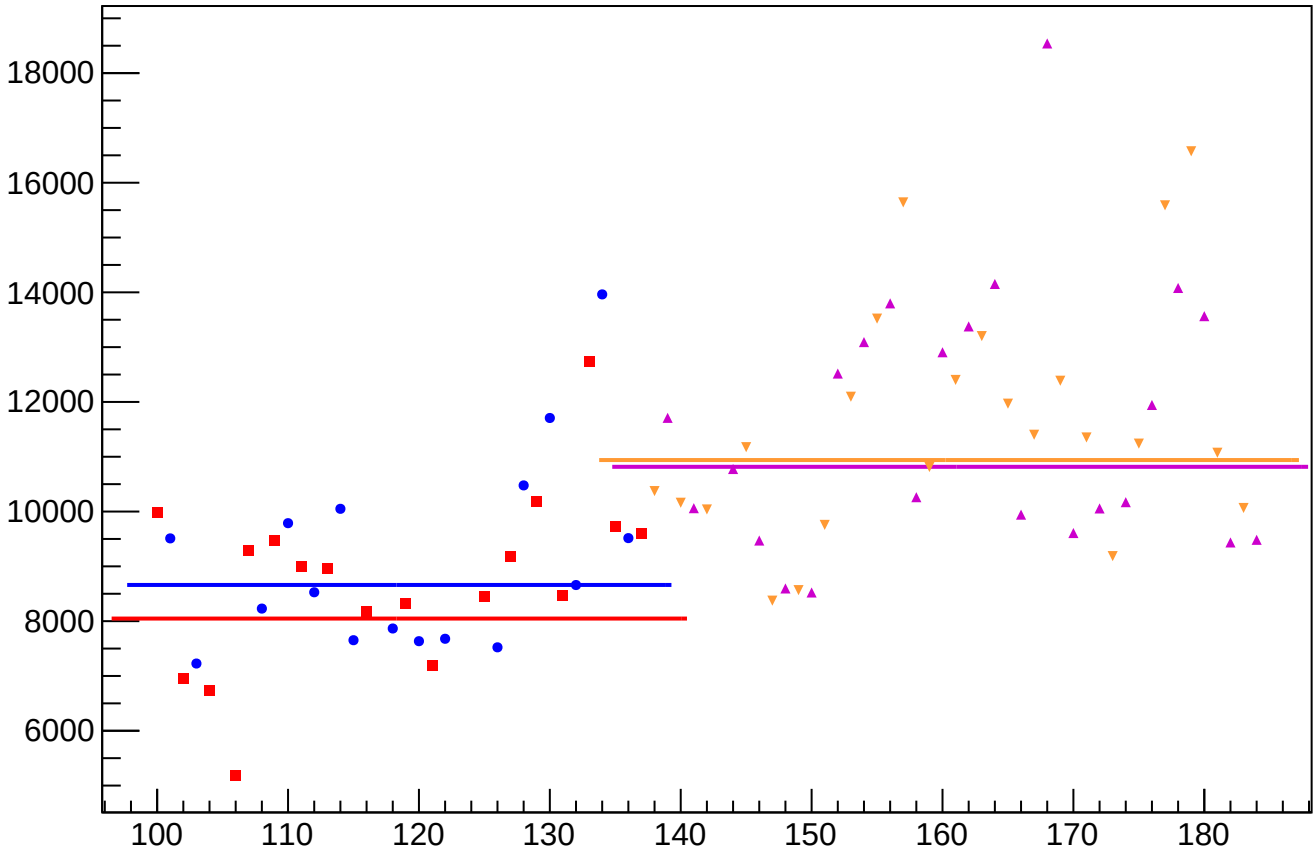
Left: -366.356+/-1834.506 χ^2/NDF: 41.2/45

Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -1174.831+/-2024.539 χ^2/NDF:28.2/38

Out: -62.190+/-1979.823 χ^2/NDF:43.3/40

All: -606.088+/-1415.491 χ^2/NDF: 71.7/79



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: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

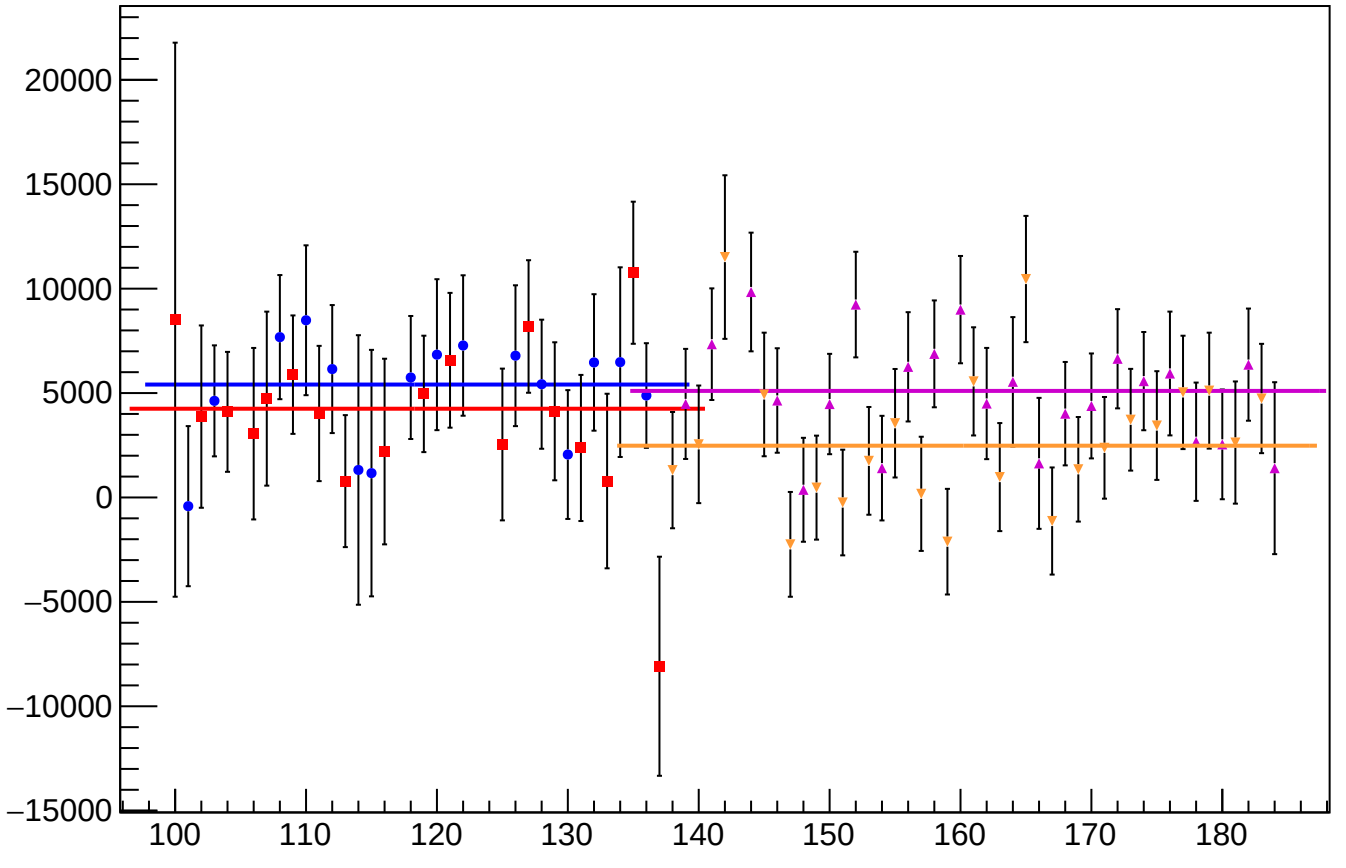
Left: 10877.188+/-1.297 χ^2/NDF: 2253527.5/45

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9990.933+/-1.432 χ^2/NDF:2090521.1/38

Out: 9709.242+/-1.400 χ^2/NDF:2656331.2/40

All: 9846.942+/-1.001 χ^2/NDF: 4766644.1/79



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2479.452+/-556.316 χ^2/NDF:29.6/22

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

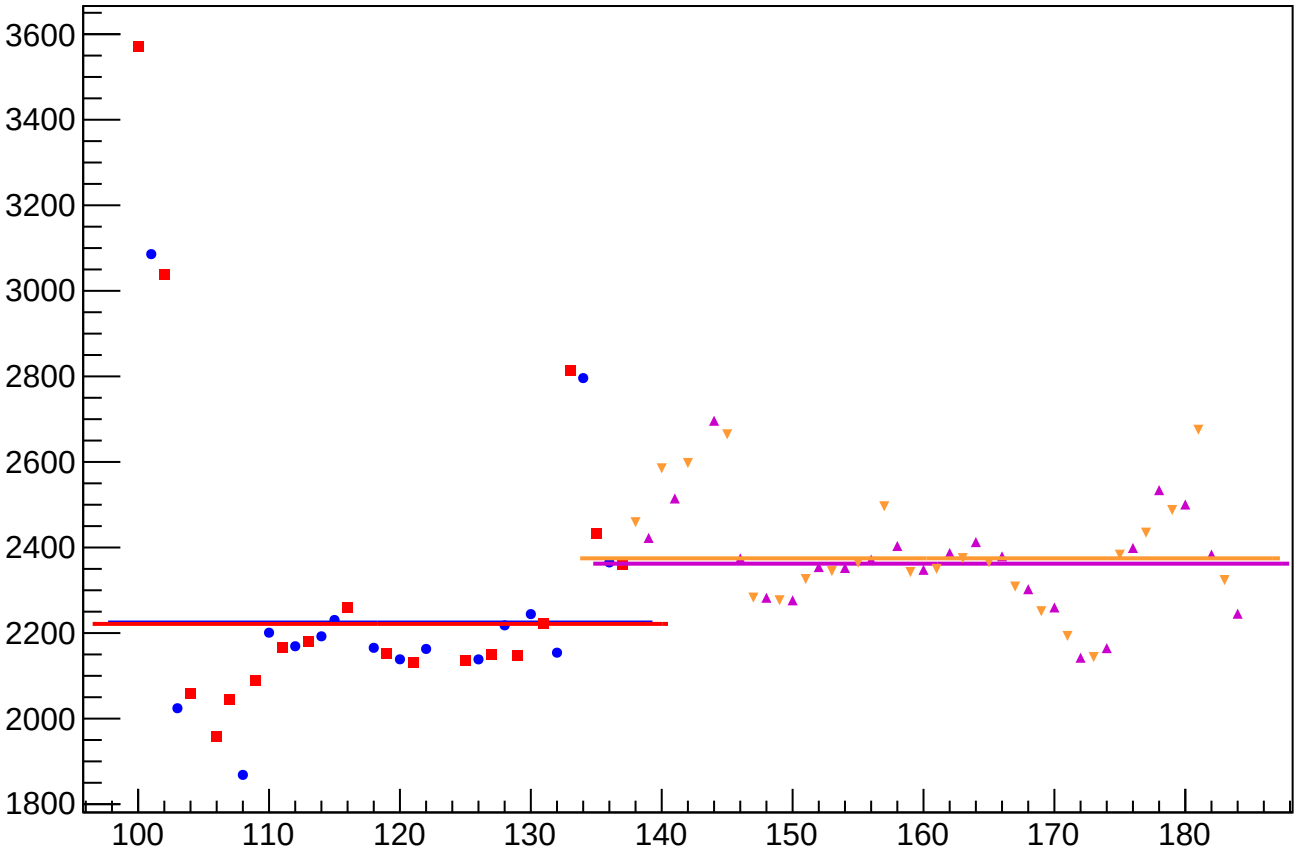
Left: 3800.055+/-392.049 χ^2/NDF: 60.7/45

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5196.053+/-460.594 χ^2/NDF:26.7/38

Out: 3019.835+/-463.708 χ^2/NDF:47.2/40

All: 4115.275+/-326.784 χ^2/NDF: 85.0/79



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: 2362.221+/-0.391 χ^2/NDF:91901.3/22

Left: 2368.429+/-0.277 χ^2/NDF: 203798.7/45

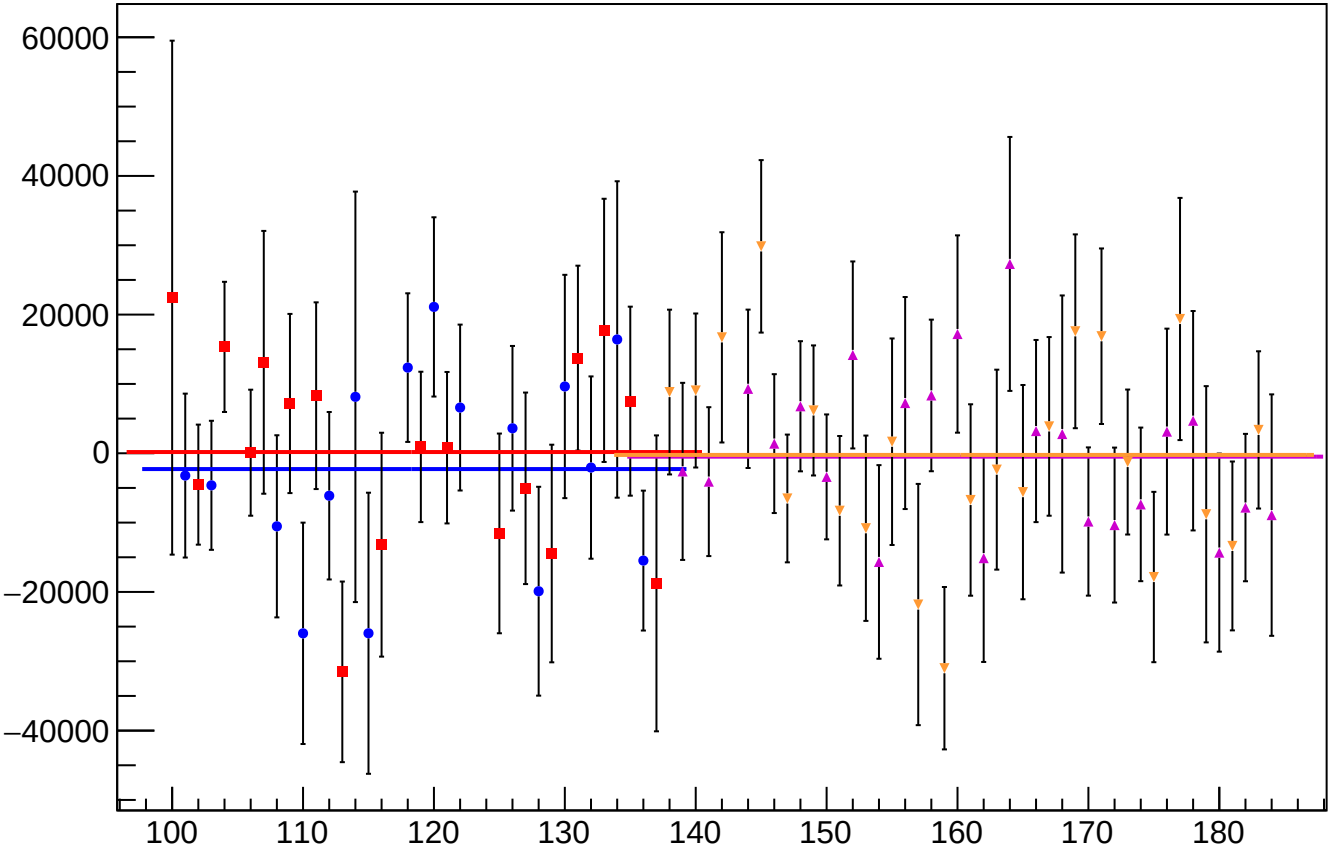
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2320.219+/-0.326 χ^2/NDF:314438.8/38

Out: 2327.892+/-0.328 χ^2/NDF:327725.5/40

All: 2324.030+/-0.231 χ^2/NDF: 642440.0/79

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: -490.047+/-2577.218 χ^2/NDF:13.5/22

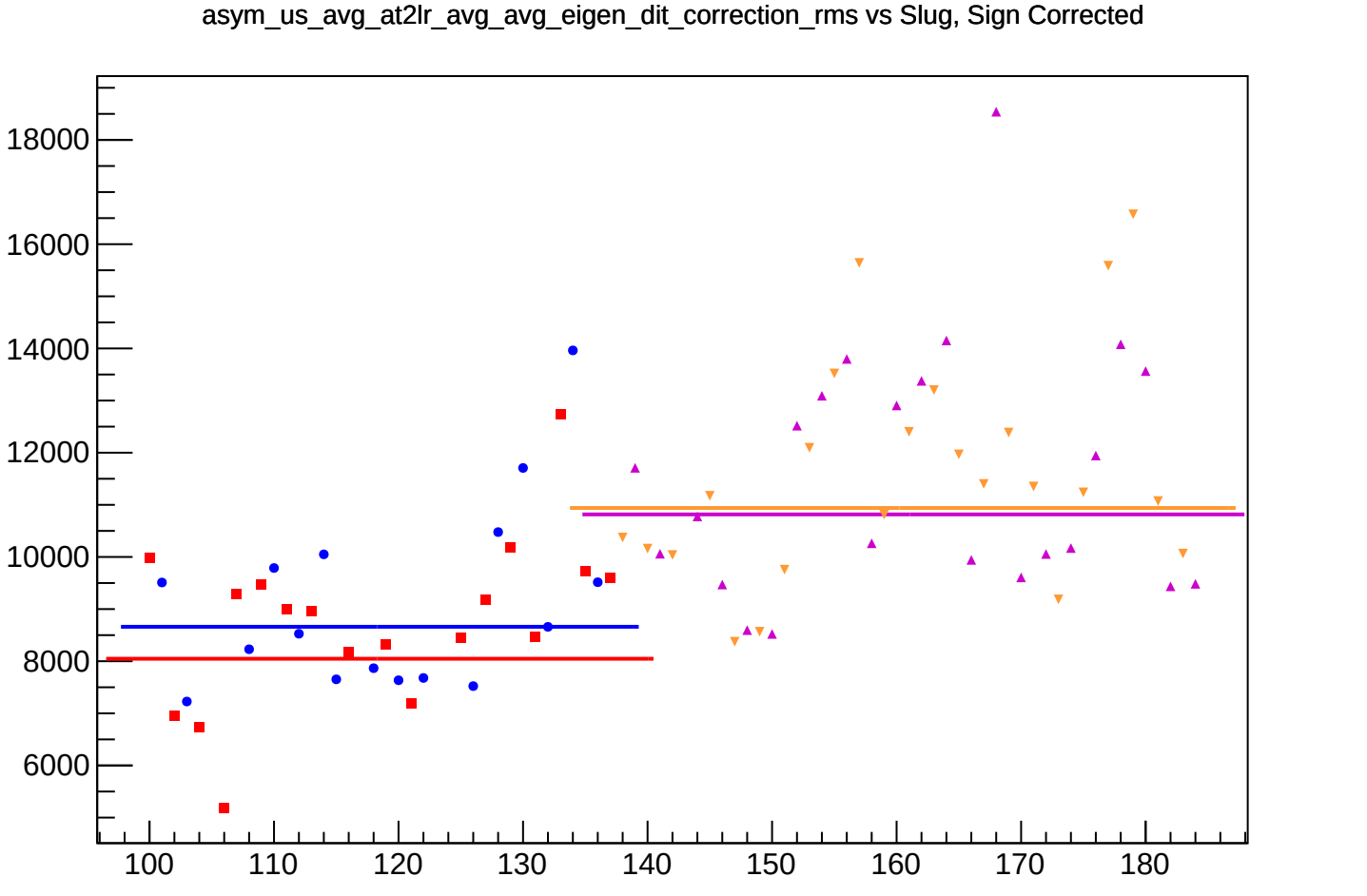
Left: -366.361+/-1834.509 χ^2/NDF: 41.2/45

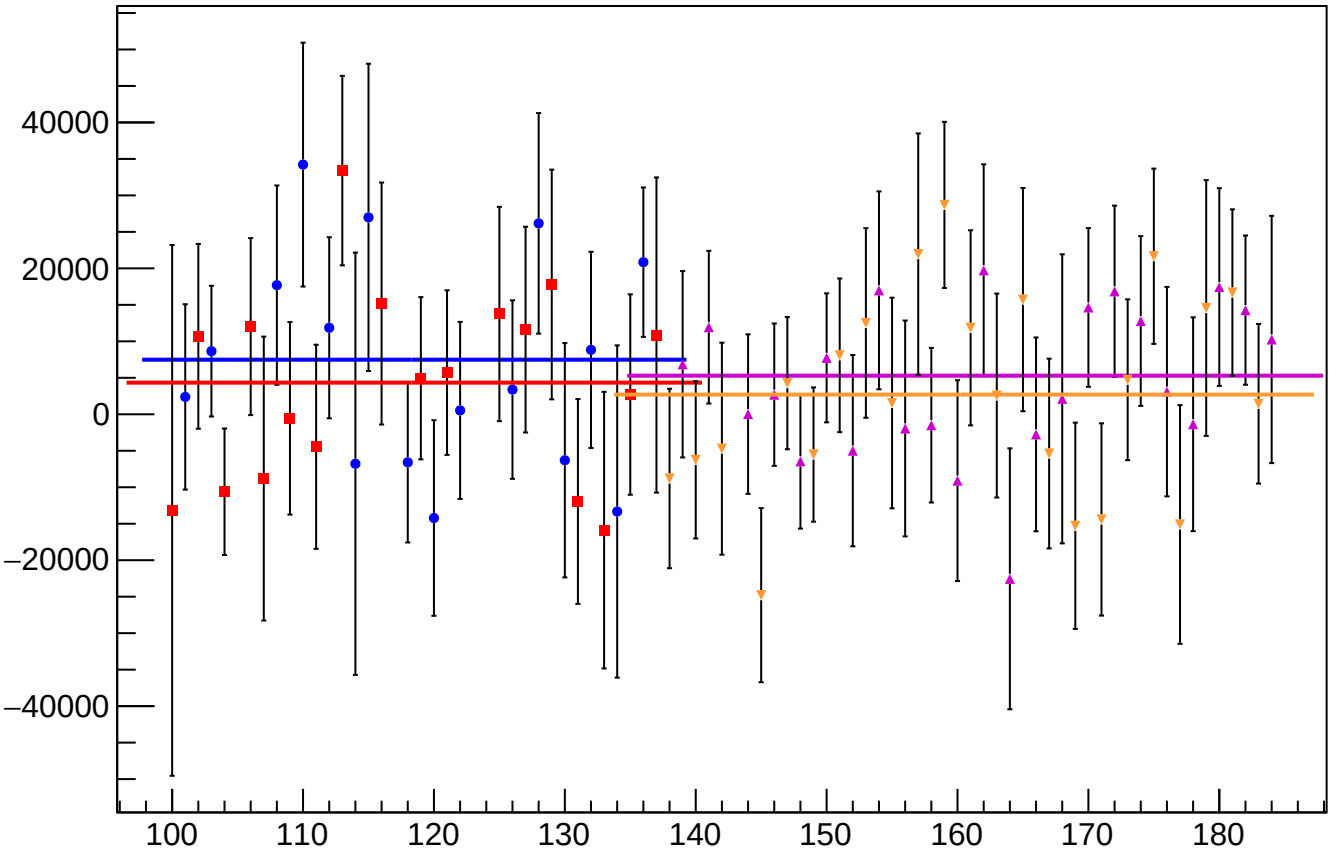
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -1174.828+/-2024.539 χ^2/NDF:28.2/38

Out: -62.191+/-1979.823 χ^2/NDF:43.3/40

All: -606.086+/-1415.491 χ^2/NDF: 71.7/79


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: 10816.337+/-1.822 χ²/NDF:1196824.5/22
Left: 10877.205+/-1.297 χ²/NDF: 2253533.7/45
Right: 8331.123+/-1.573 χ²/NDF: 954287.4/33
In: 9990.931+/-1.432 χ²/NDF:2090546.6/38
Out: 9709.239+/-1.400 χ²/NDF:2656358.8/40
All: 9846.940+/-1.001 χ²/NDF: 4766697.4/79



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: 5290.718+/-2532.995 χ^2/NDF:13.3/22

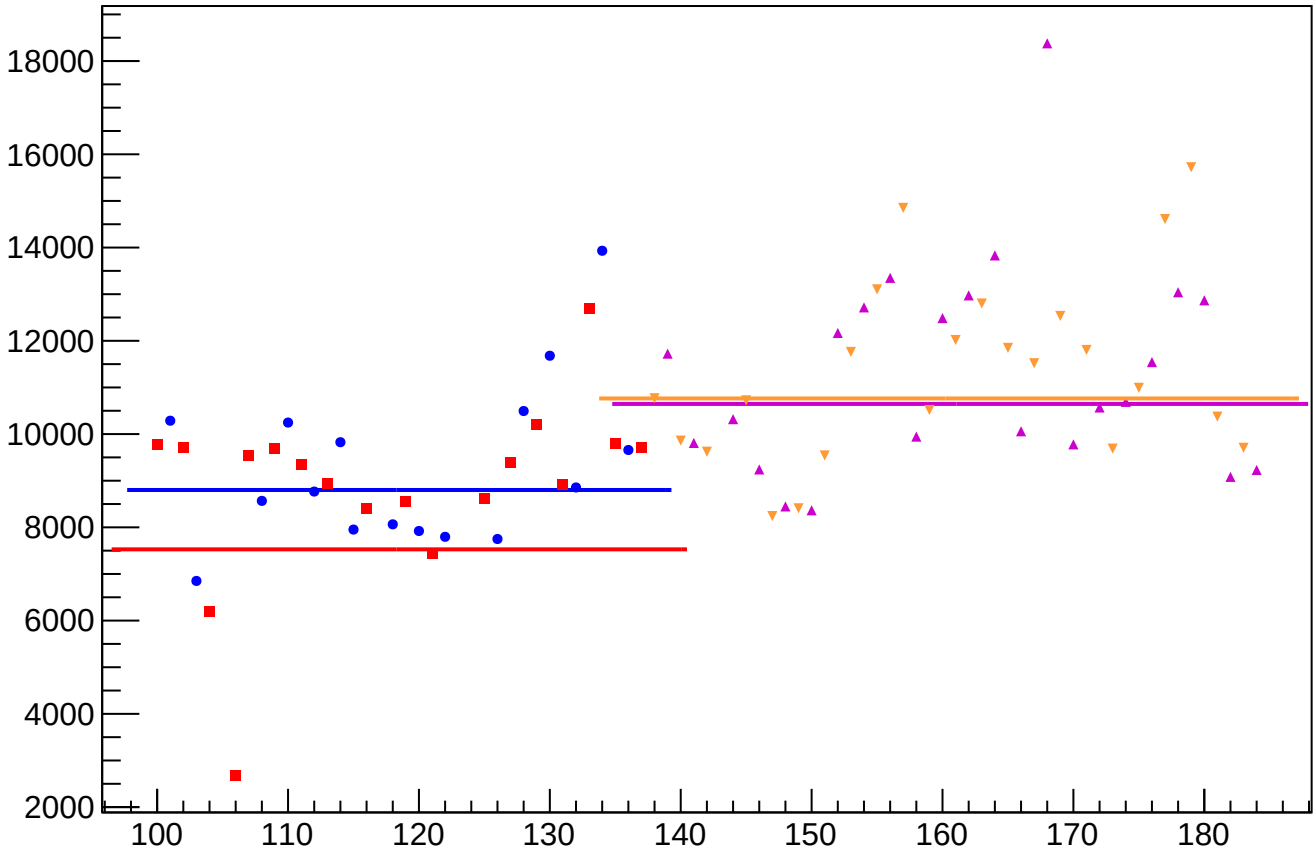
Left: 4011.488+/-1802.552 χ^2/NDF: 39.8/45

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 6093.521+/-2016.238 χ^2/NDF:27.7/38

Out: 3330.114+/-2012.045 χ^2/NDF:40.4/40

All: 4708.941+/-1424.211 χ^2/NDF: 69.0/79



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: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

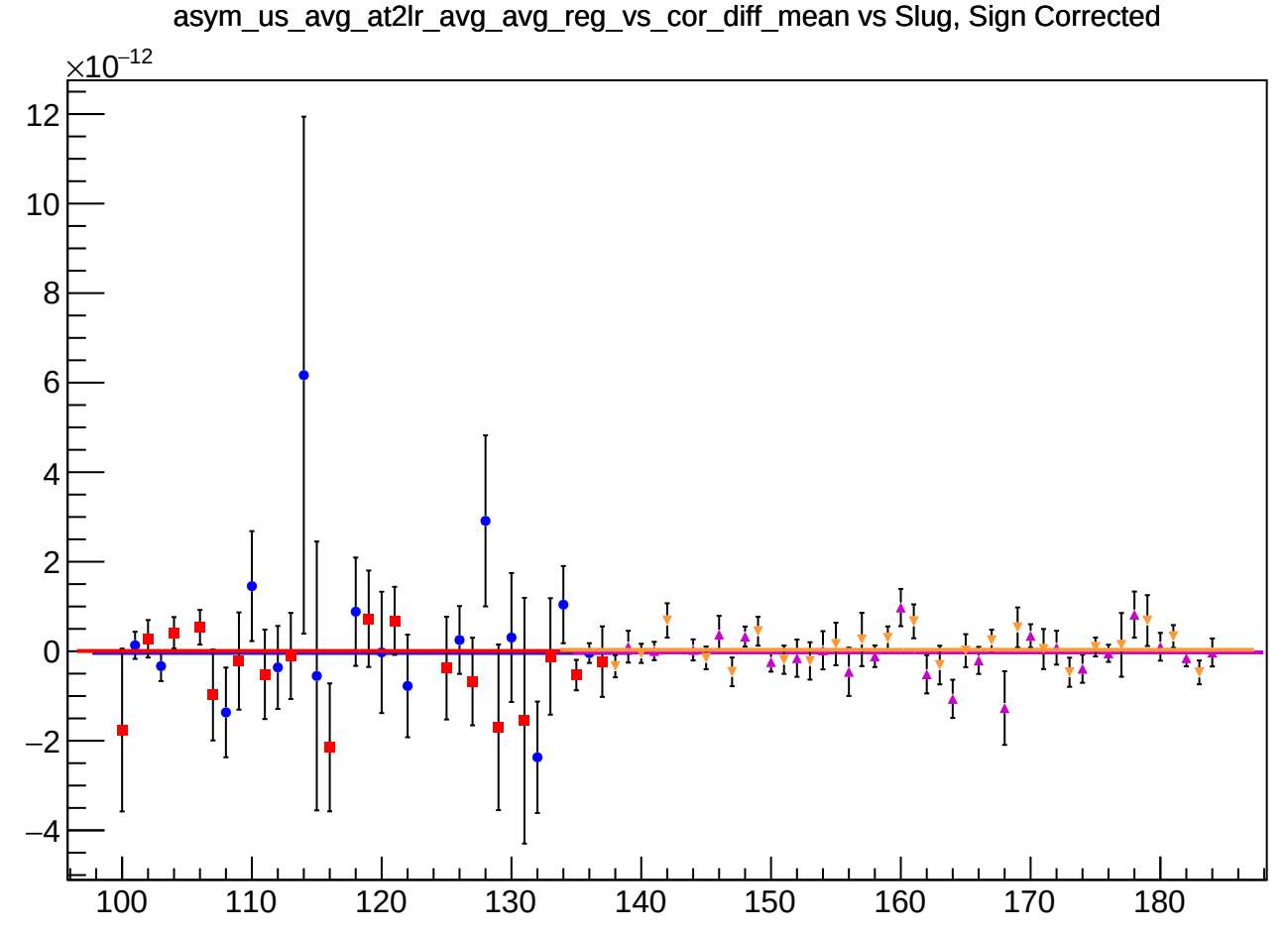
Left: 10704.475+/-1.275 χ^2/NDF: 2074847.6/45

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9970.310+/-1.426 χ^2/NDF:1897600.1/38

Out: 9402.085+/-1.381 χ^2/NDF:3954994.5/40

All: 9677.087+/-0.992 χ^2/NDF: 5934567.3/79



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:27.9/22

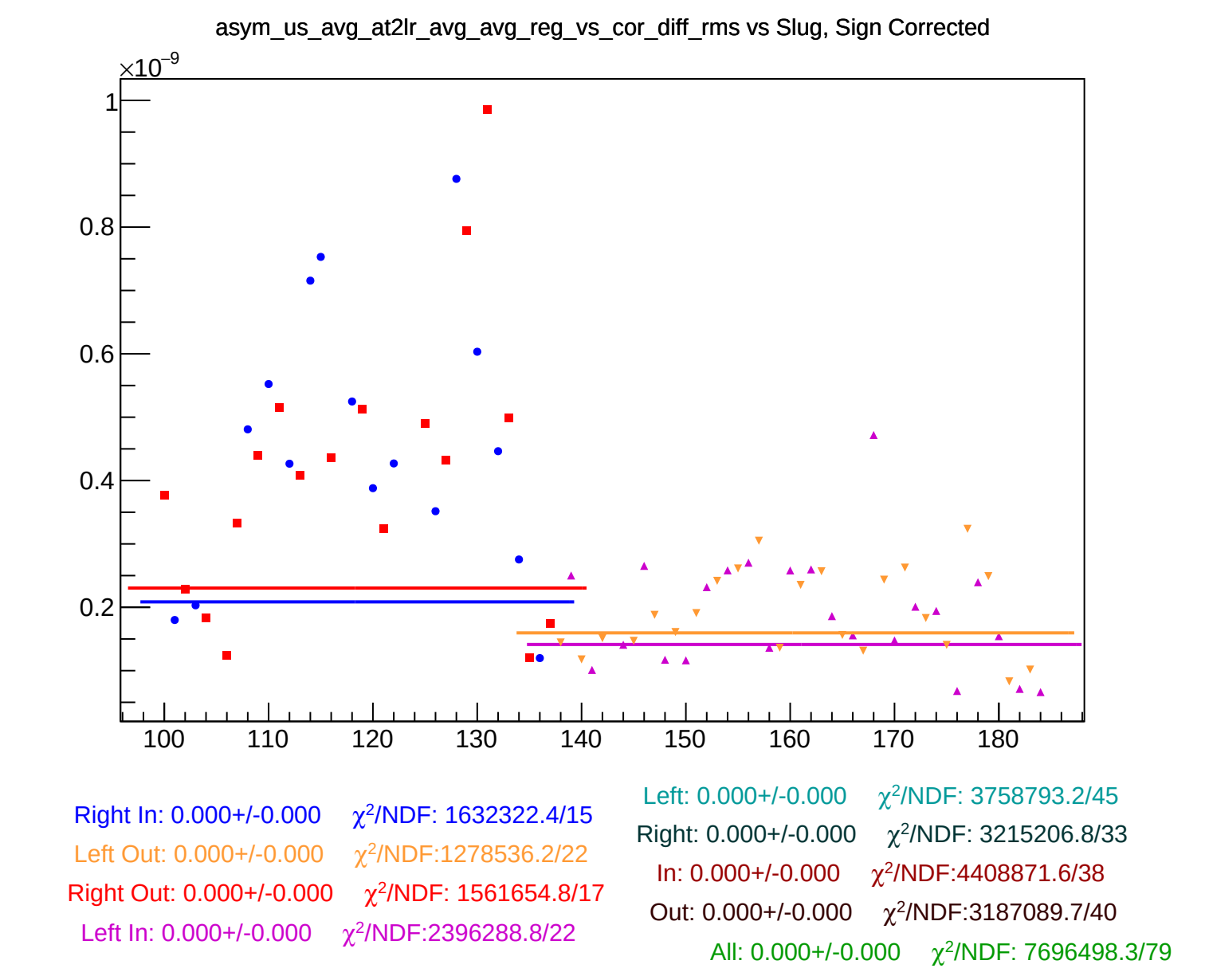
Left: 0.000+/-0.000 χ^2/NDF: 54.6/45

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

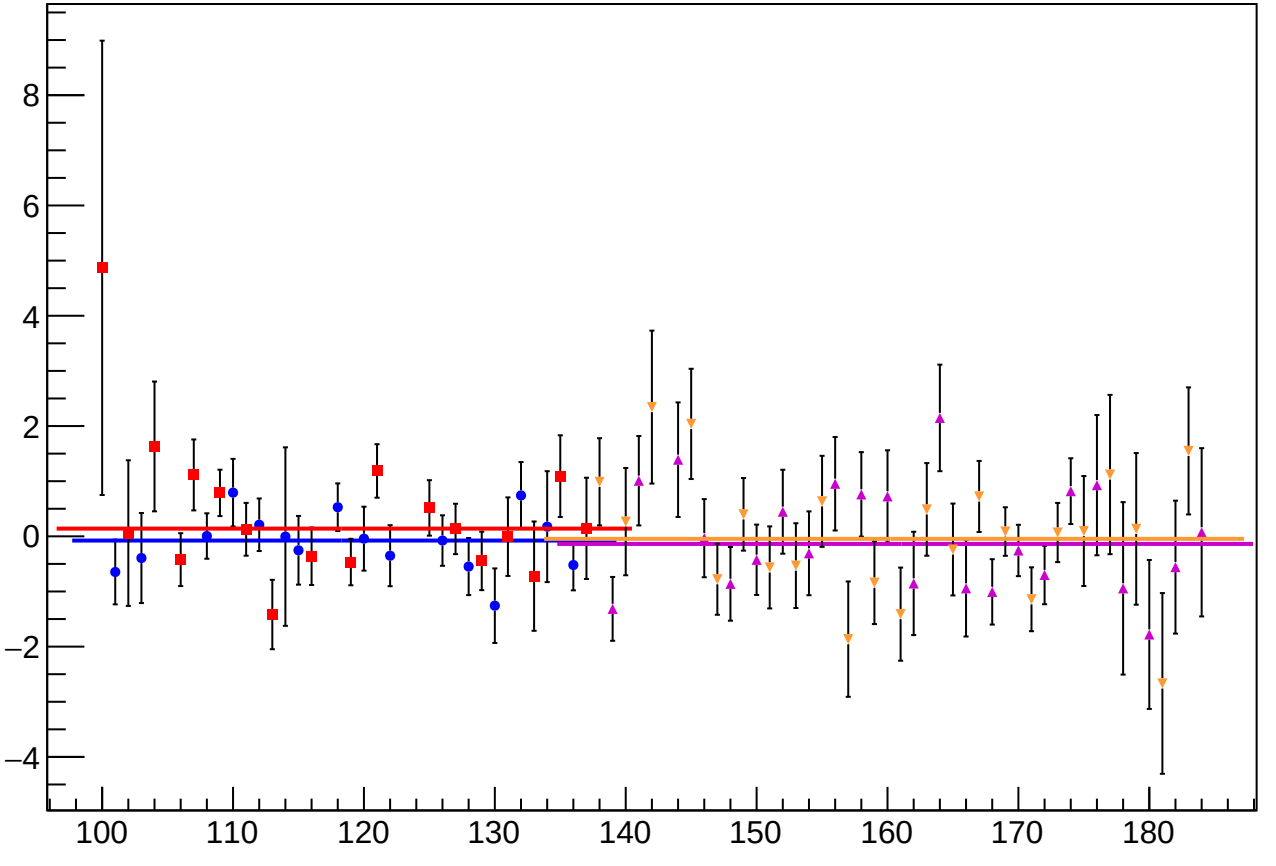
In: -0.000+/-0.000 χ^2/NDF:42.2/38

Out: 0.000+/-0.000 χ^2/NDF:40.0/40

All: -0.000+/-0.000 χ^2/NDF: 82.6/79


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:2396288.8/22
Left: 0.000+/-0.000 χ²/NDF: 3758793.2/45
Right: 0.000+/-0.000 χ²/NDF: 3215206.8/33
In: 0.000+/-0.000 χ²/NDF:4408871.6/38
Out: 0.000+/-0.000 χ²/NDF:3187089.7/40
All: 0.000+/-0.000 χ²/NDF: 7696498.3/79

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: -0.138+/-0.158 χ^2/NDF:30.0/22

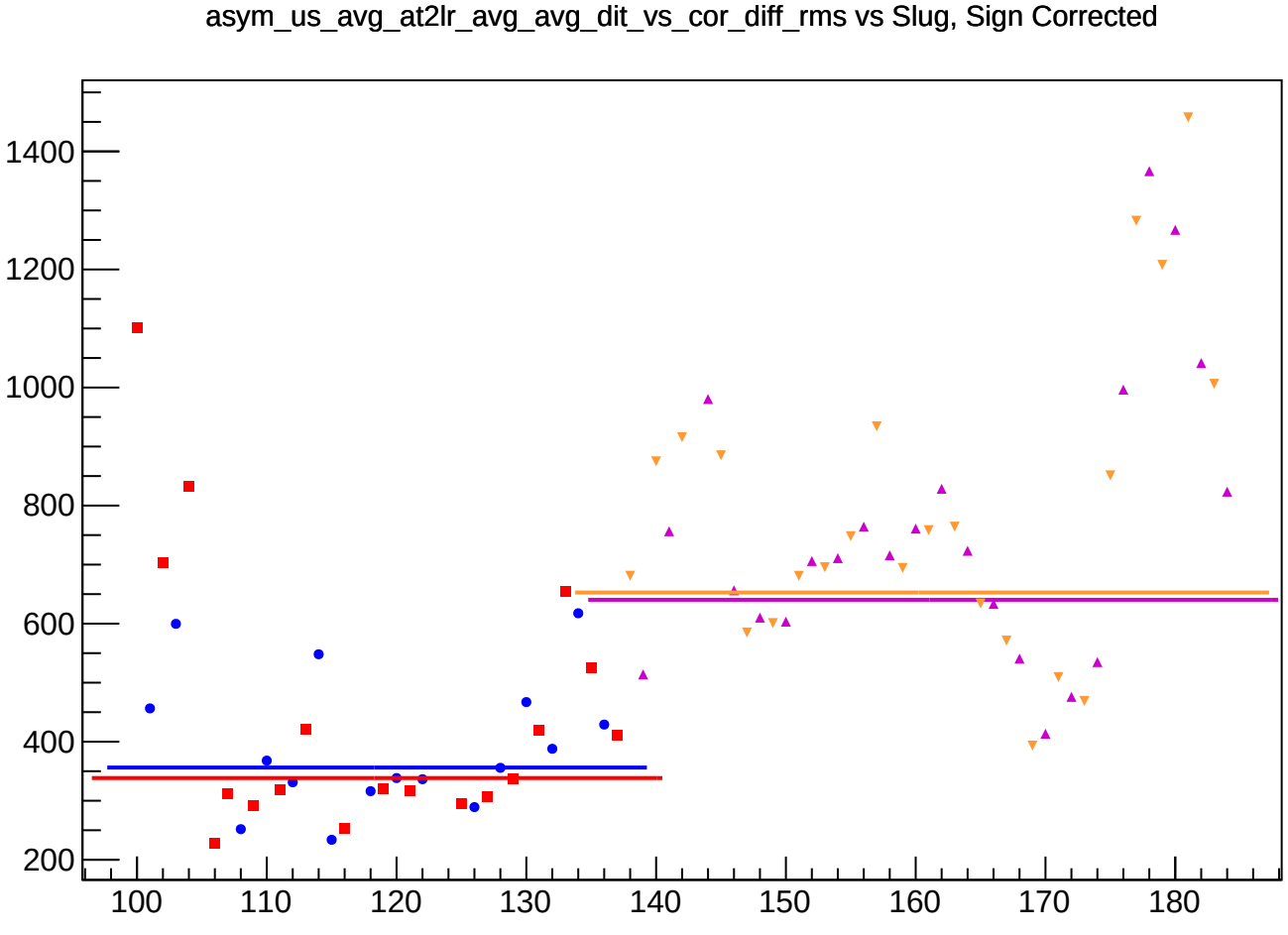
Left: -0.093+/-0.113 χ^2/NDF: 60.1/45

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.103+/-0.105 χ^2/NDF:42.6/38

Out: 0.062+/-0.105 χ^2/NDF:57.7/40

All: -0.021+/-0.074 χ^2/NDF: 101.5/79



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: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 646.393+/-0.080 χ^2/NDF: 5769245.2/45

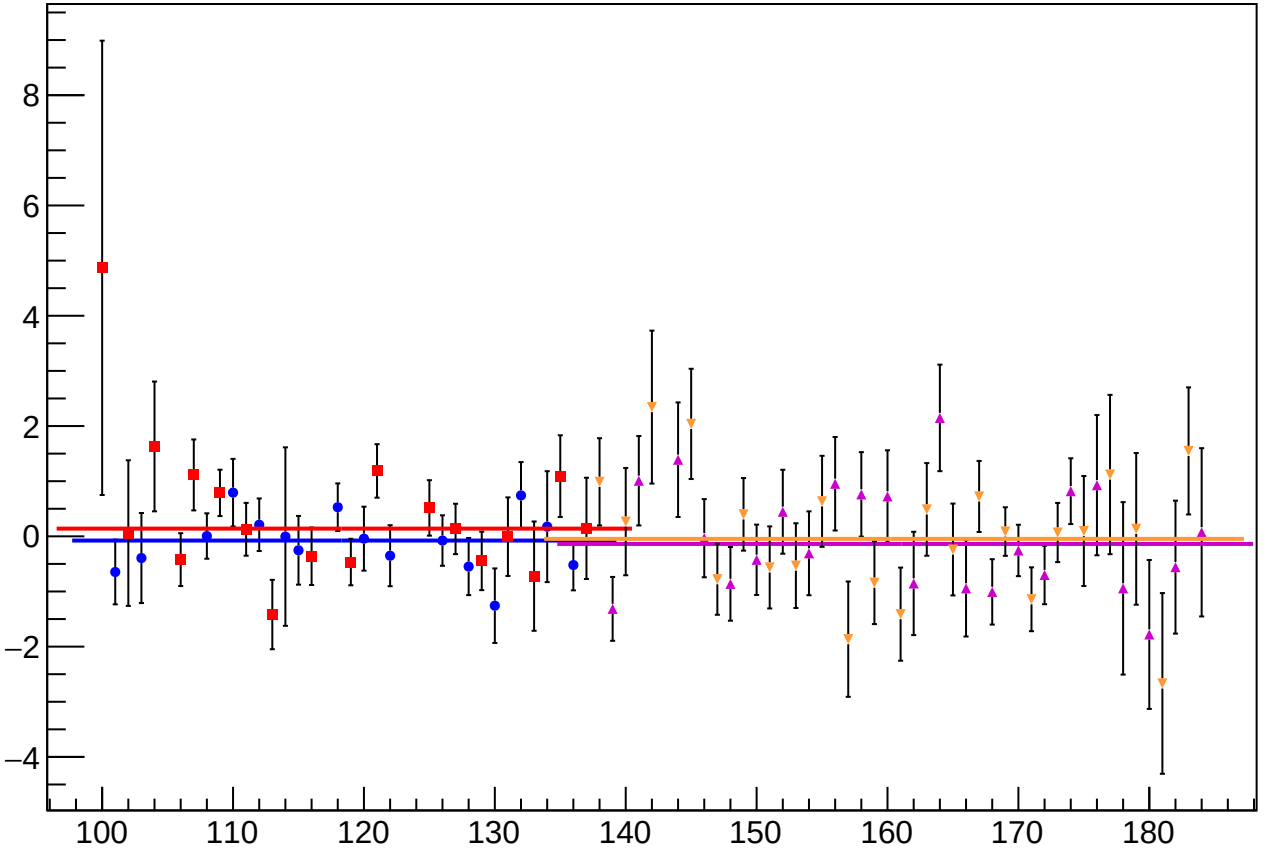
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 481.207+/-0.074 χ^2/NDF:7063748.7/38

Out: 470.282+/-0.074 χ^2/NDF:8673548.1/40

All: 475.766+/-0.052 χ^2/NDF: 15748142.1/79

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: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.093+/-0.113 χ^2/NDF: 60.1/45

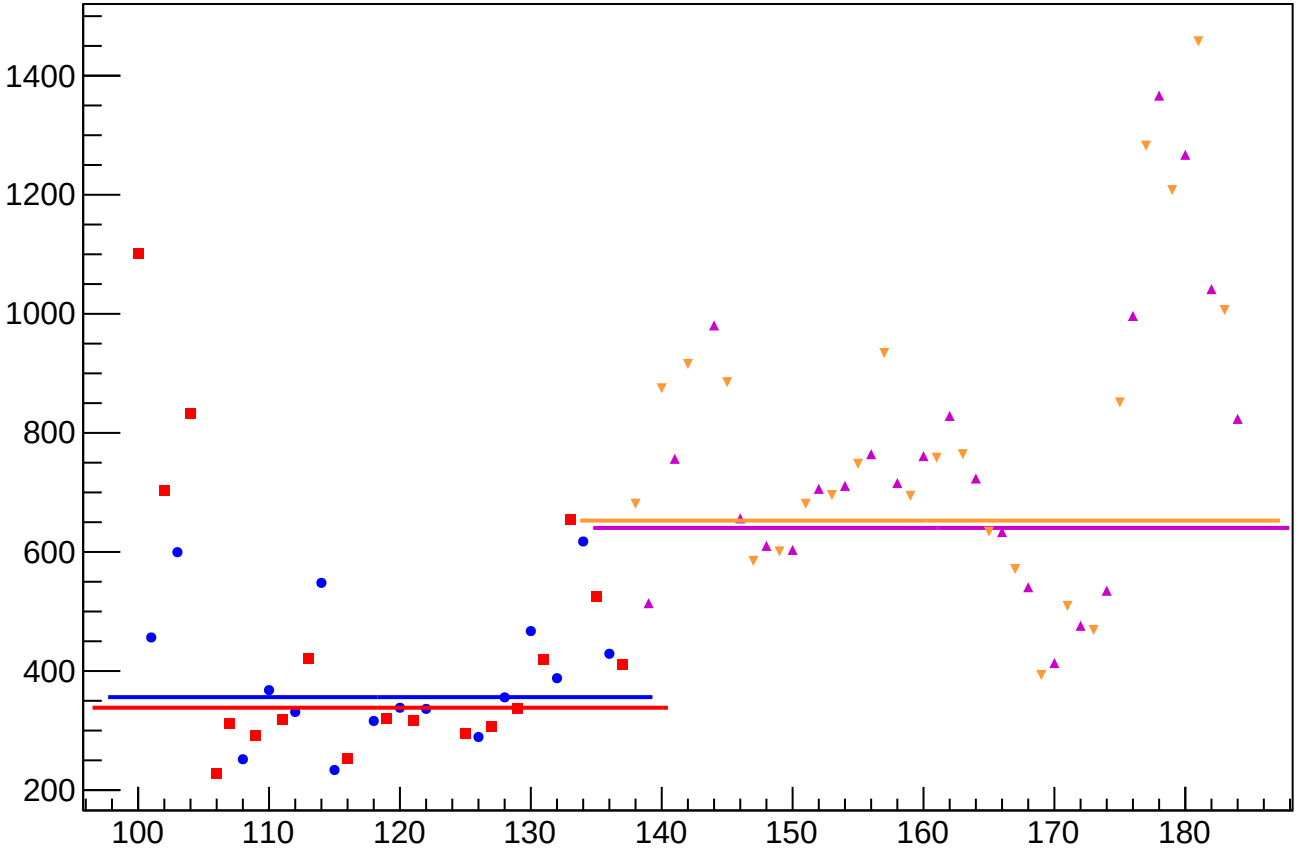
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.103+/-0.105 χ^2/NDF:42.6/38

Out: 0.062+/-0.105 χ^2/NDF:57.7/40

All: -0.021+/-0.074 χ^2/NDF: 101.5/79

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: 640.392+/-0.112 χ^2/NDF:2647967.4/22

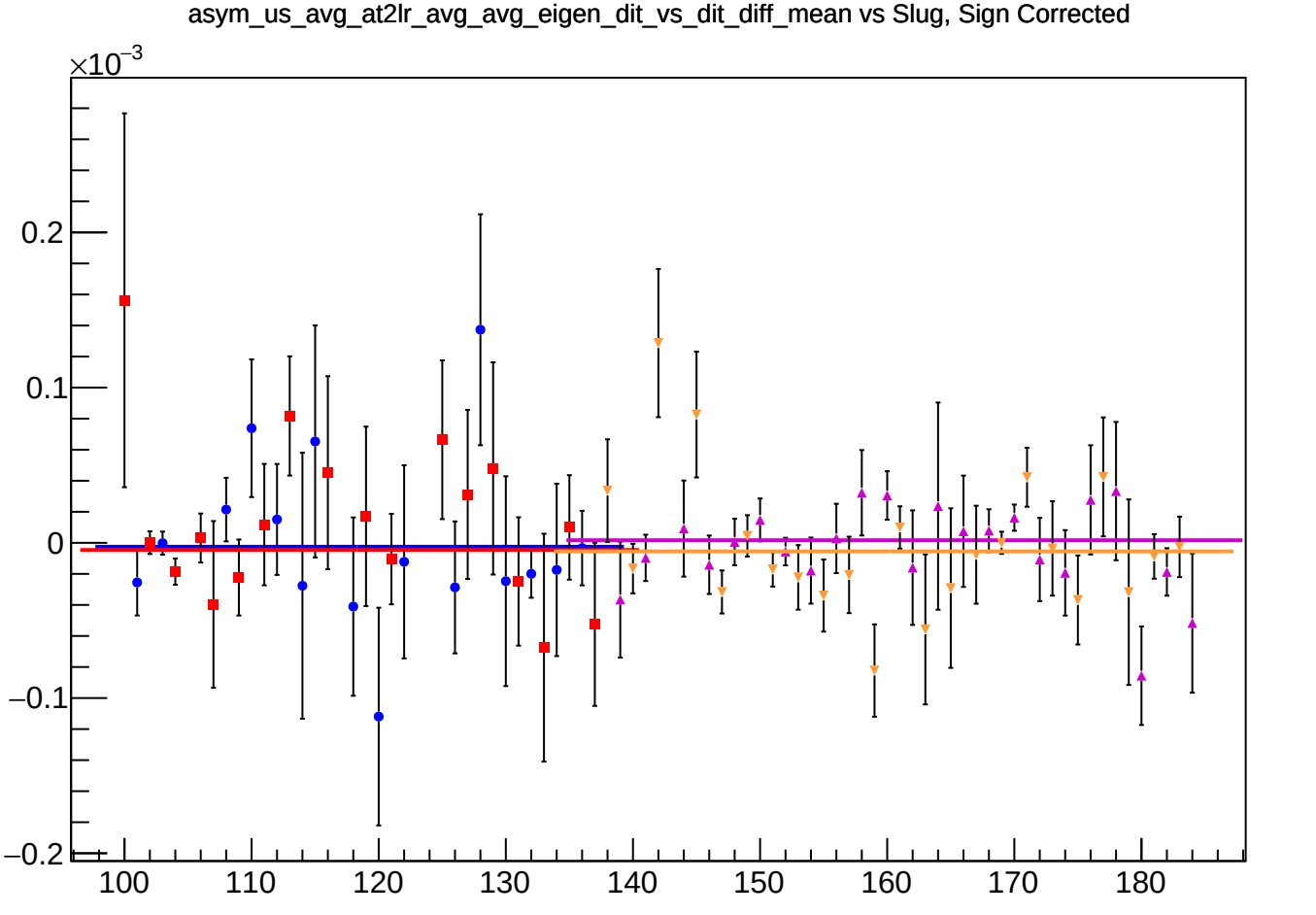
Left: 646.393+/-0.080 χ^2/NDF: 5769245.2/45

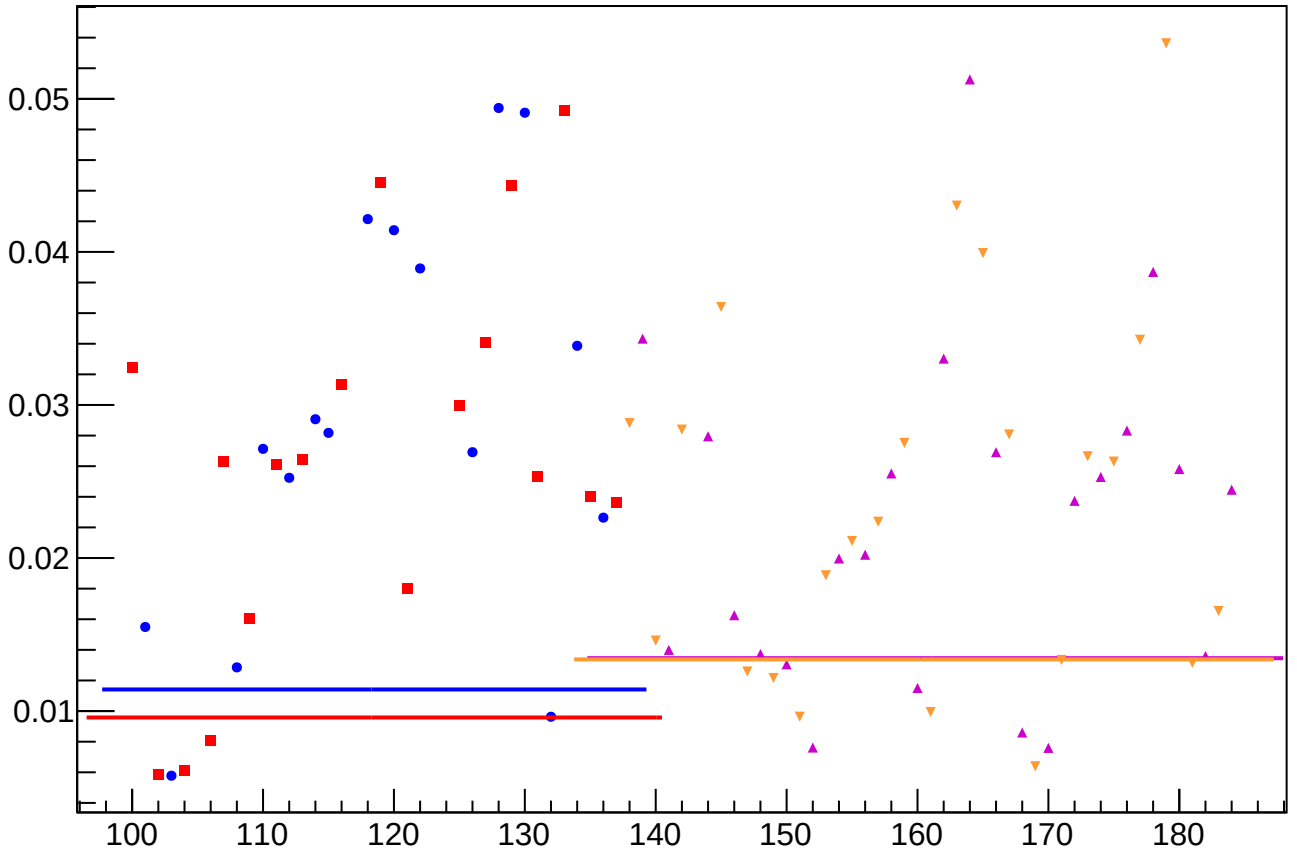
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 481.207+/-0.074 χ^2/NDF:7063748.7/38

Out: 470.282+/-0.074 χ^2/NDF:8673548.1/40

All: 475.766+/-0.052 χ^2/NDF: 15748142.1/79


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:41.5/22
Right Out: -0.000+/-0.000 χ²/NDF: 17.1/17
Left In: 0.000+/-0.000 χ²/NDF:25.6/22
Left: -0.000+/-0.000 χ²/NDF: 68.9/45
Right: -0.000+/-0.000 χ²/NDF: 32.2/33
In: 0.000+/-0.000 χ²/NDF:41.0/38
Out: -0.000+/-0.000 χ²/NDF:58.6/40
All: -0.000+/-0.000 χ²/NDF: 101.3/79



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:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16280293.5/45

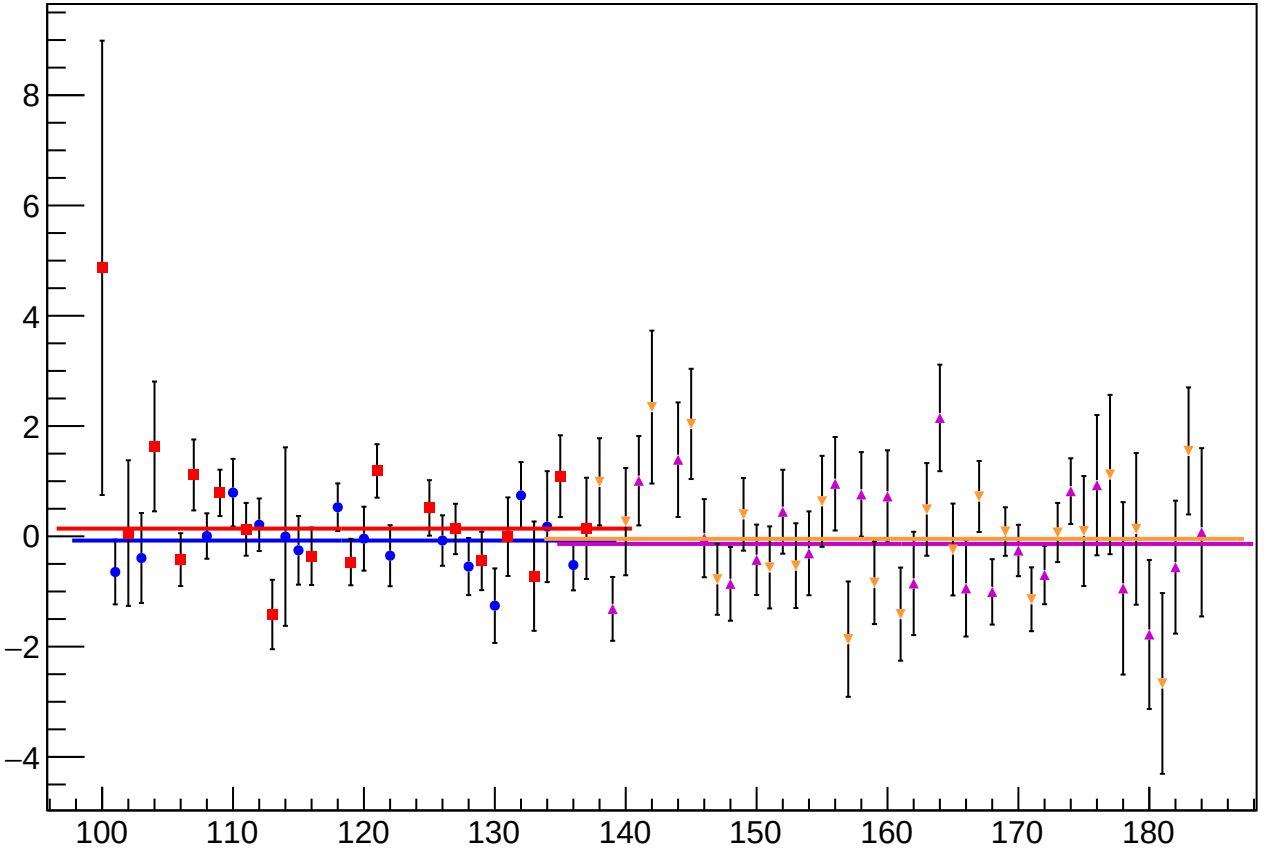
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:13235075.5/38

Out: 0.012+/-0.000 χ^2/NDF:15315832.6/40

All: 0.012+/-0.000 χ^2/NDF: 28639969.7/79

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: -0.138+/-0.158 χ^2/NDF:30.0/22

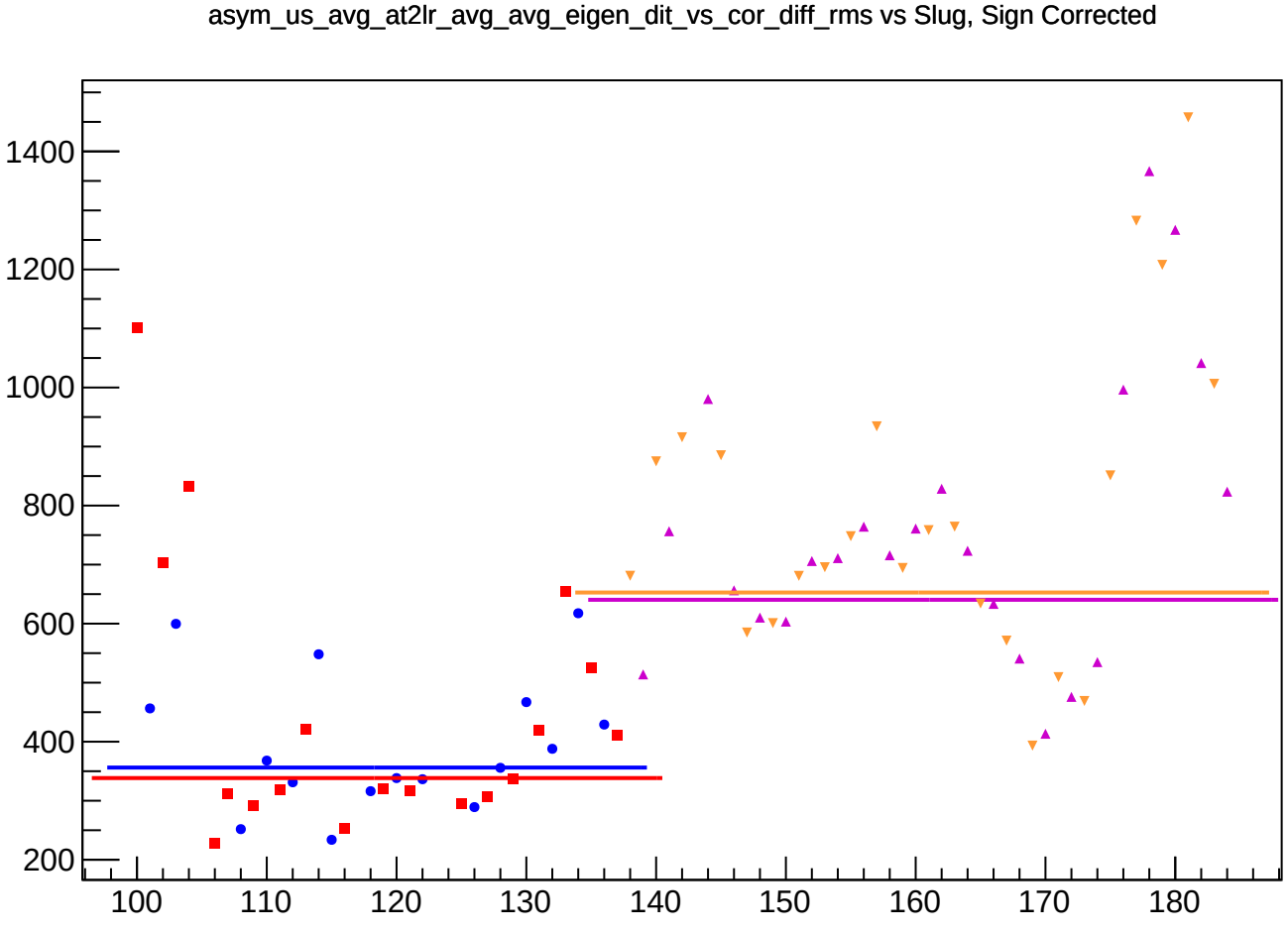
Left: -0.093+/-0.113 χ^2/NDF: 60.1/45

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.103+/-0.105 χ^2/NDF:42.6/38

Out: 0.062+/-0.105 χ^2/NDF:57.7/40

All: -0.021+/-0.074 χ^2/NDF: 101.5/79



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: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 646.395+/-0.080 χ^2/NDF: 5769610.6/45

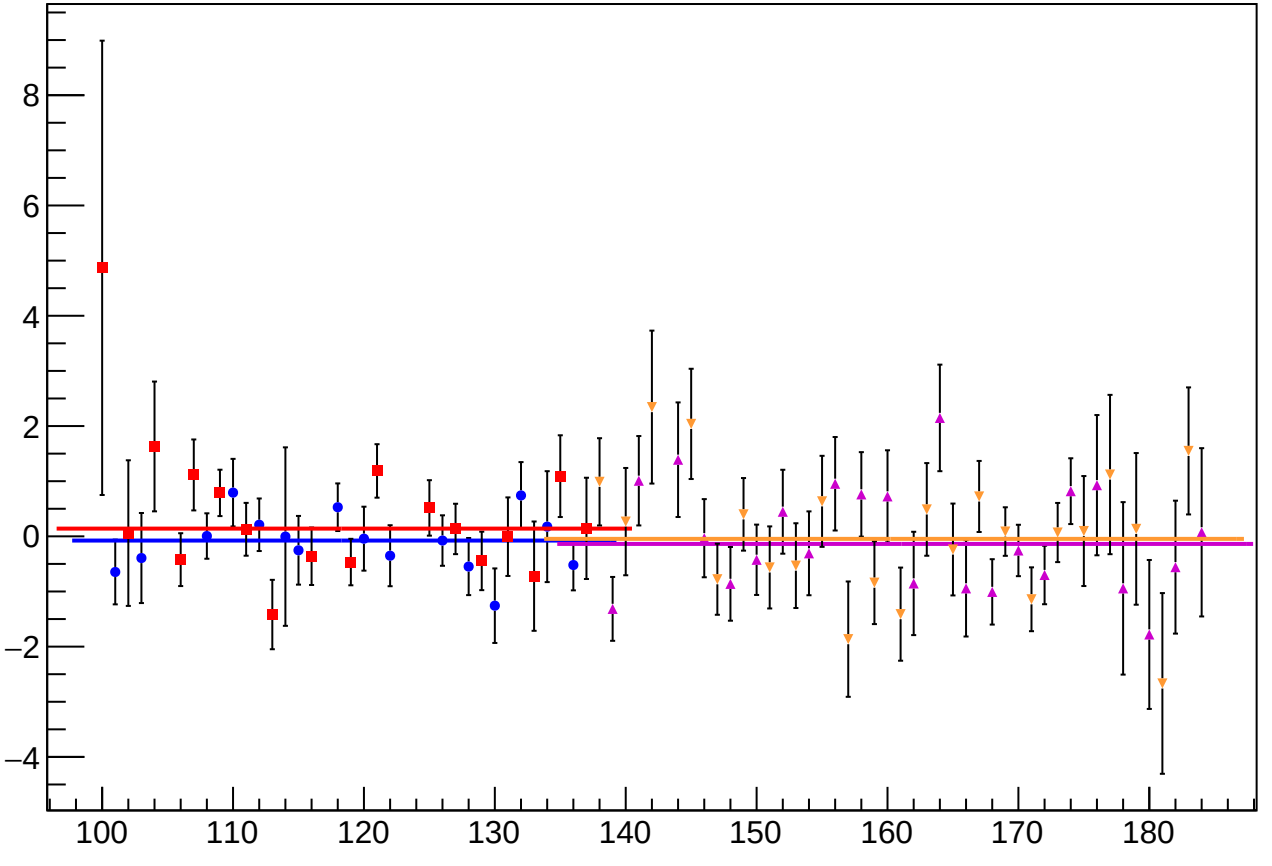
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 481.206+/-0.074 χ^2/NDF:7063963.7/38

Out: 470.279+/-0.074 χ^2/NDF:8673815.4/40

All: 475.764+/-0.052 χ^2/NDF: 15748627.5/79

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: -0.138+/-0.158 χ^2/NDF:30.0/22

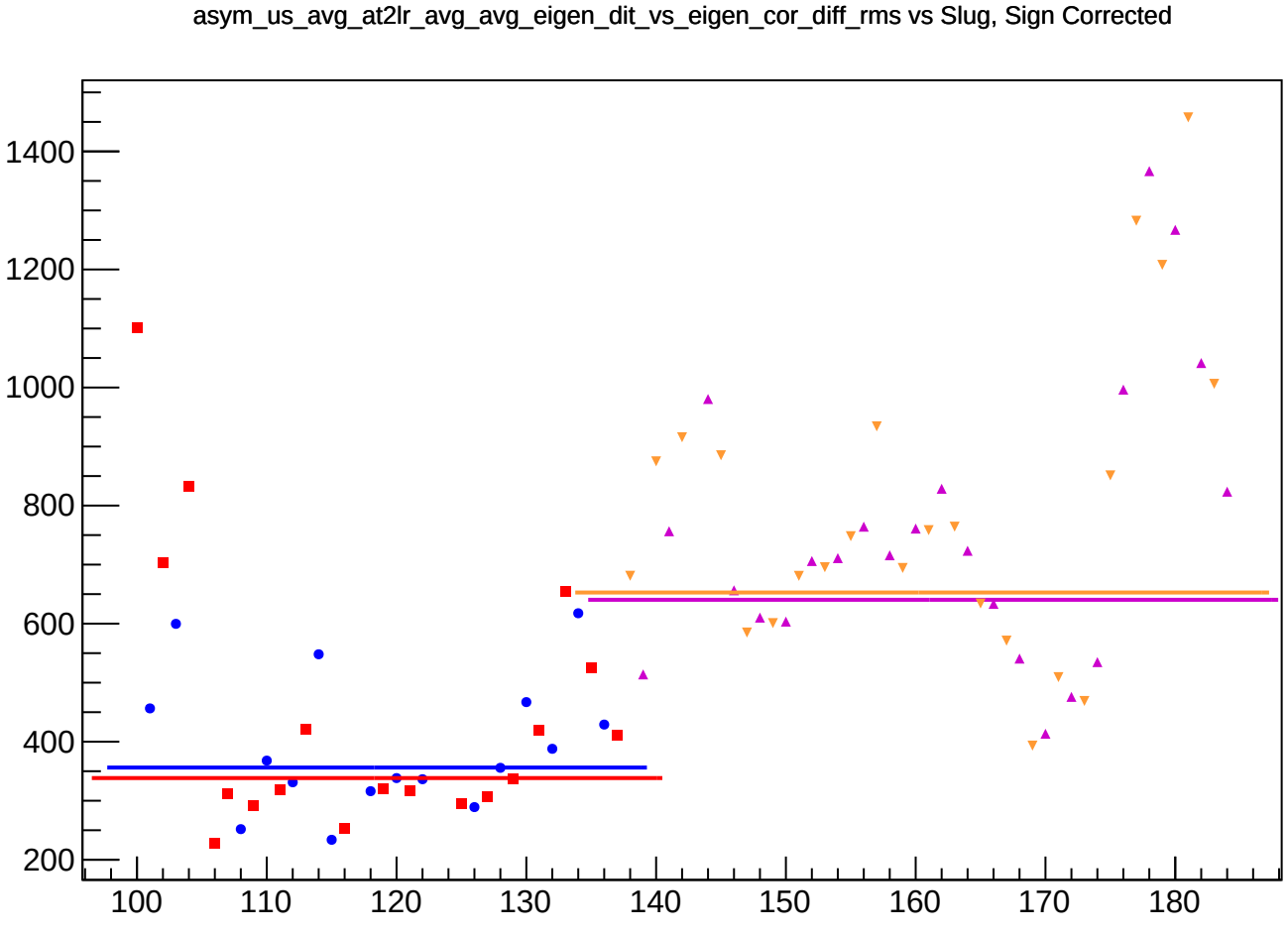
Left: -0.093+/-0.113 χ^2/NDF: 60.1/45

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.103+/-0.105 χ^2/NDF:42.6/38

Out: 0.062+/-0.105 χ^2/NDF:57.7/40

All: -0.021+/-0.074 χ^2/NDF: 101.5/79



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: 640.395+/-0.112 χ^2/NDF:2648118.2/22

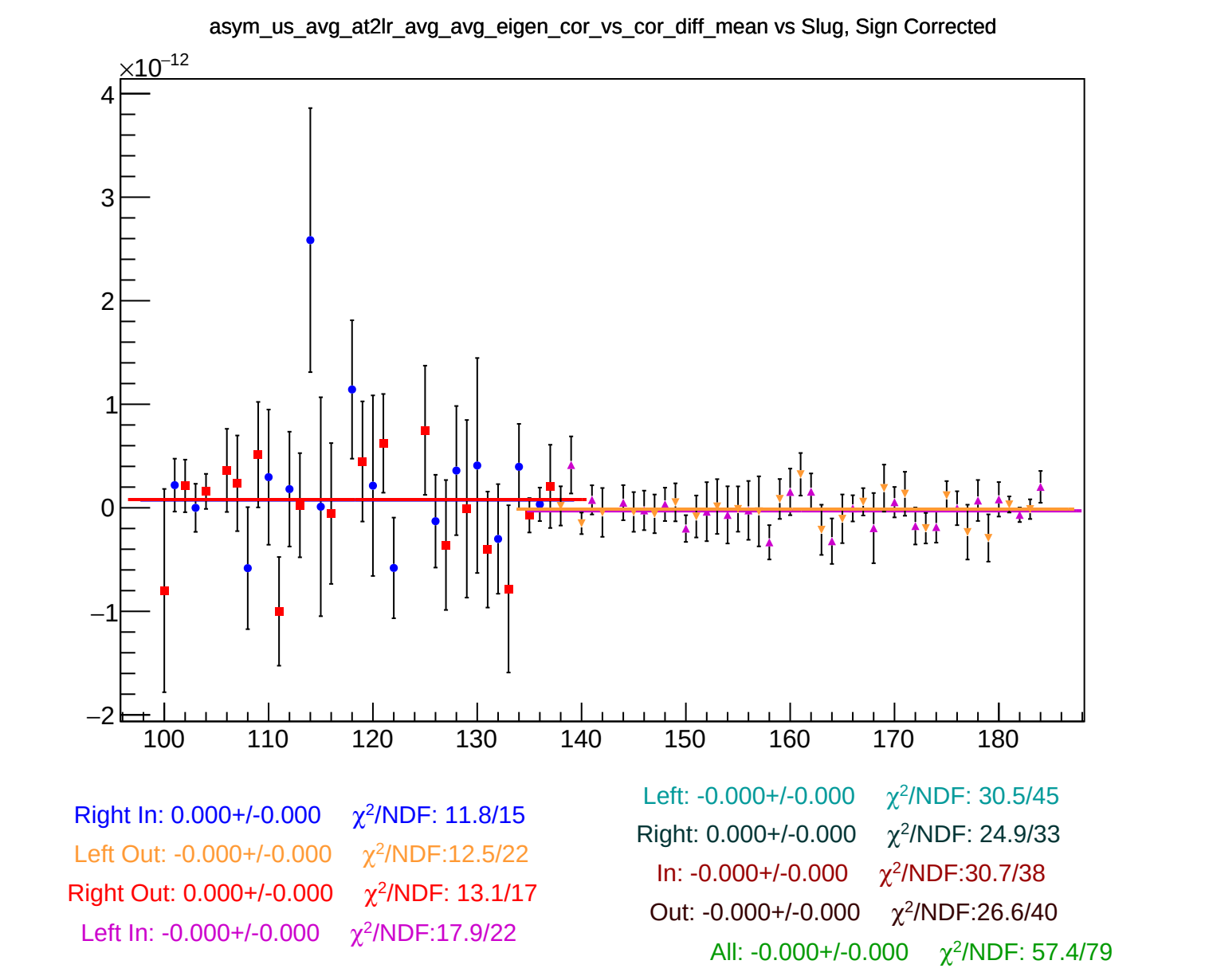
Left: 646.395+/-0.080 χ^2/NDF: 5769610.6/45

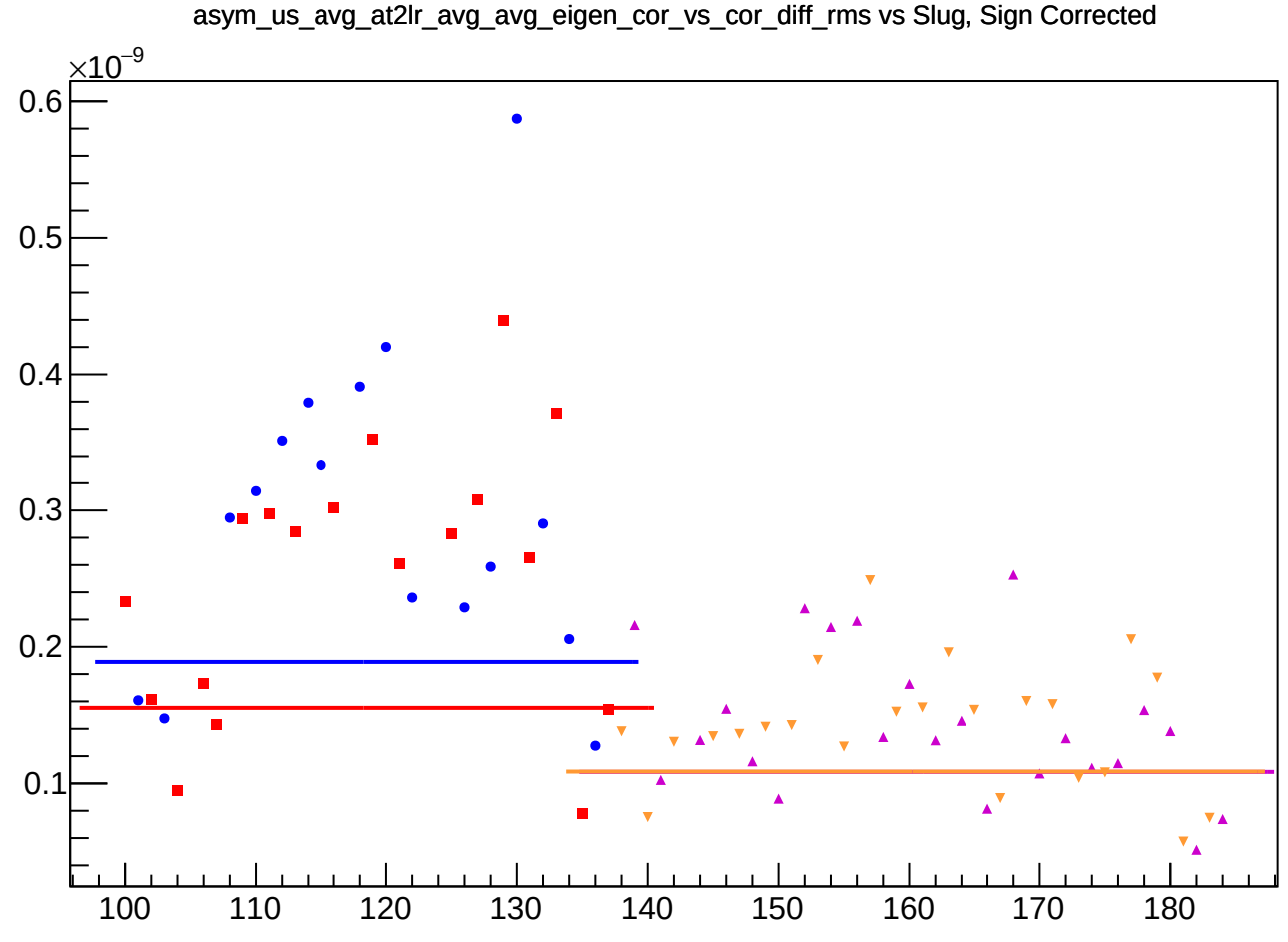
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 481.206+/-0.074 χ^2/NDF:7063963.7/38

Out: 470.279+/-0.074 χ^2/NDF:8673815.4/40

All: 475.764+/-0.052 χ^2/NDF: 15748627.5/79


asym_us_avg_at2lr_avg_avg_eigen_cor_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: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:12.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 13.1/17
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 30.5/45
Right: 0.000+/-0.000 χ²/NDF: 24.9/33
In: -0.000+/-0.000 χ²/NDF:30.7/38
Out: -0.000+/-0.000 χ²/NDF:26.6/40
All: -0.000+/-0.000 χ²/NDF: 57.4/79



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3385677.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

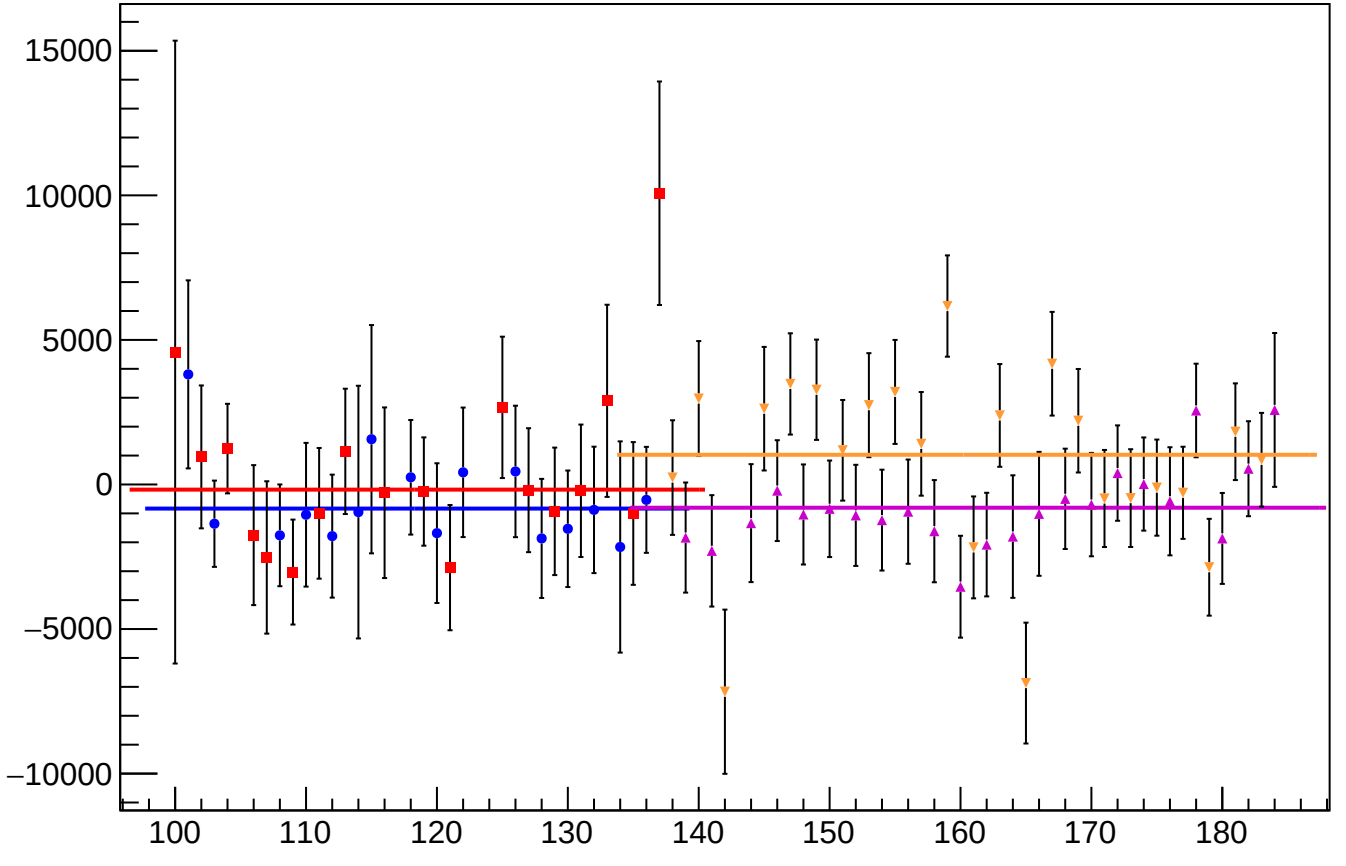
Left: 0.000+/-0.000 χ^2/NDF: 7255445.7/45

Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:6636641.3/38

Out: 0.000+/-0.000 χ^2/NDF:6101026.0/40

All: 0.000+/-0.000 χ^2/NDF: 12741881.5/79



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: -803.908+/-374.066 χ^2/NDF:12.4/22

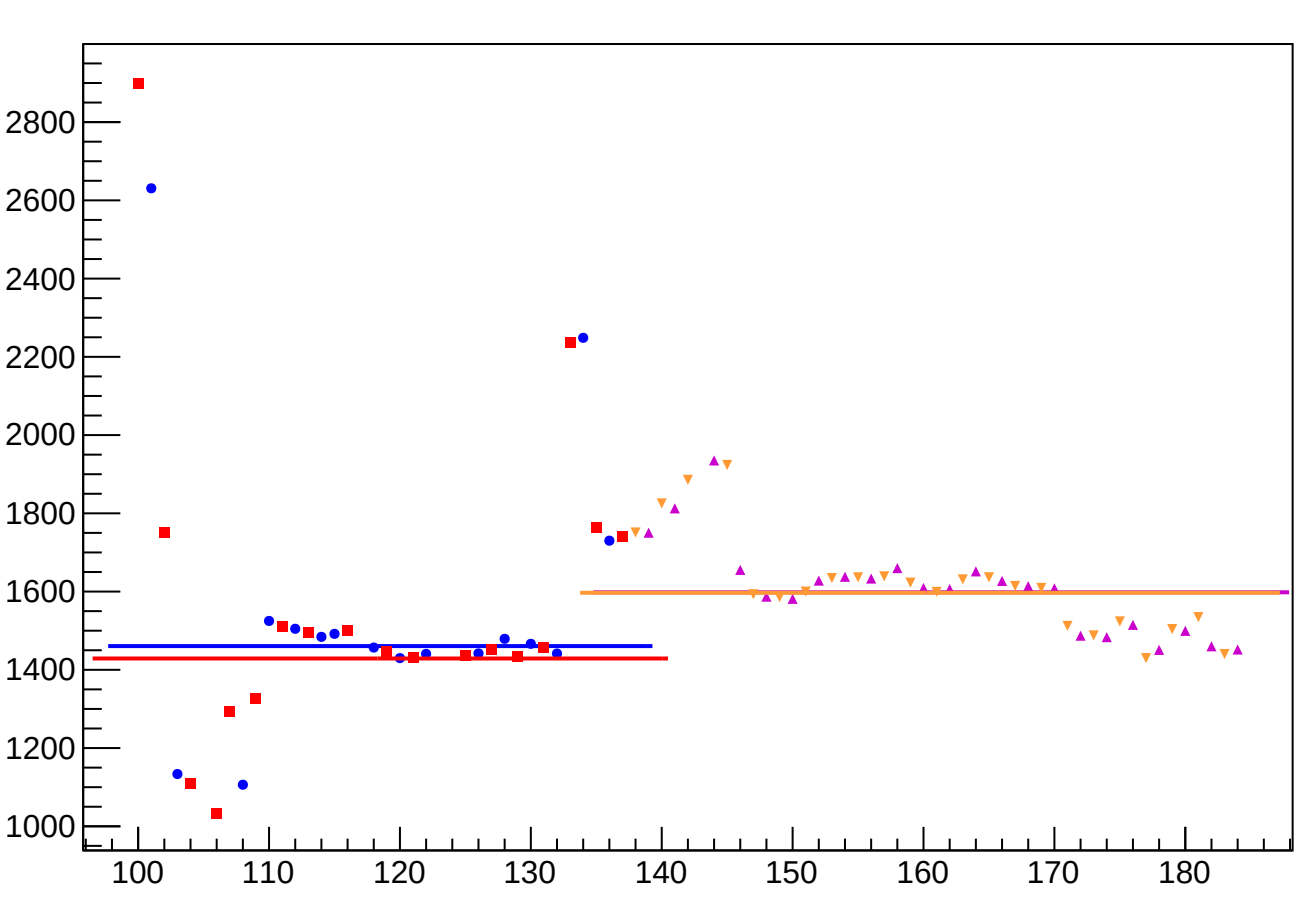
Left: 111.043+/-264.568 χ^2/NDF: 79.2/45

Right: -501.721+/-389.824 χ^2/NDF: 21.8/33

In: -813.149+/-310.160 χ^2/NDF:17.0/38

Out: 643.397+/-309.020 χ^2/NDF:74.5/40

All: -82.196+/-218.912 χ^2/NDF: 102.6/79



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: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1597.548+/-0.187 χ^2/NDF: 347150.3/45

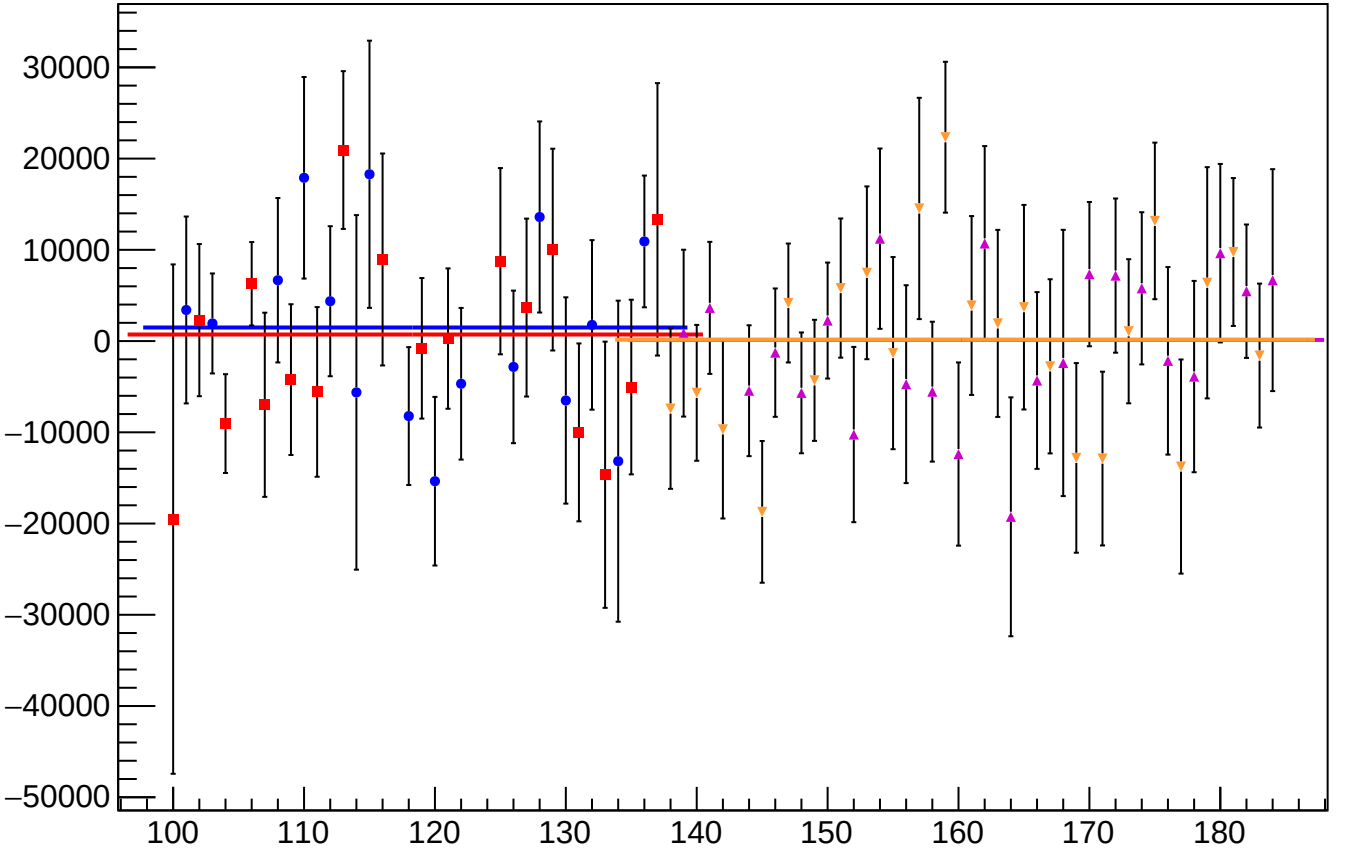
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1555.161+/-0.219 χ^2/NDF:829298.4/38

Out: 1542.966+/-0.218 χ^2/NDF:718854.5/40

All: 1549.027+/-0.155 χ^2/NDF: 1549708.1/79

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: 149.493+/-1836.131 χ^2/NDF:28.1/22

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 137.796+/-1290.744 χ^2/NDF: 41.9/45

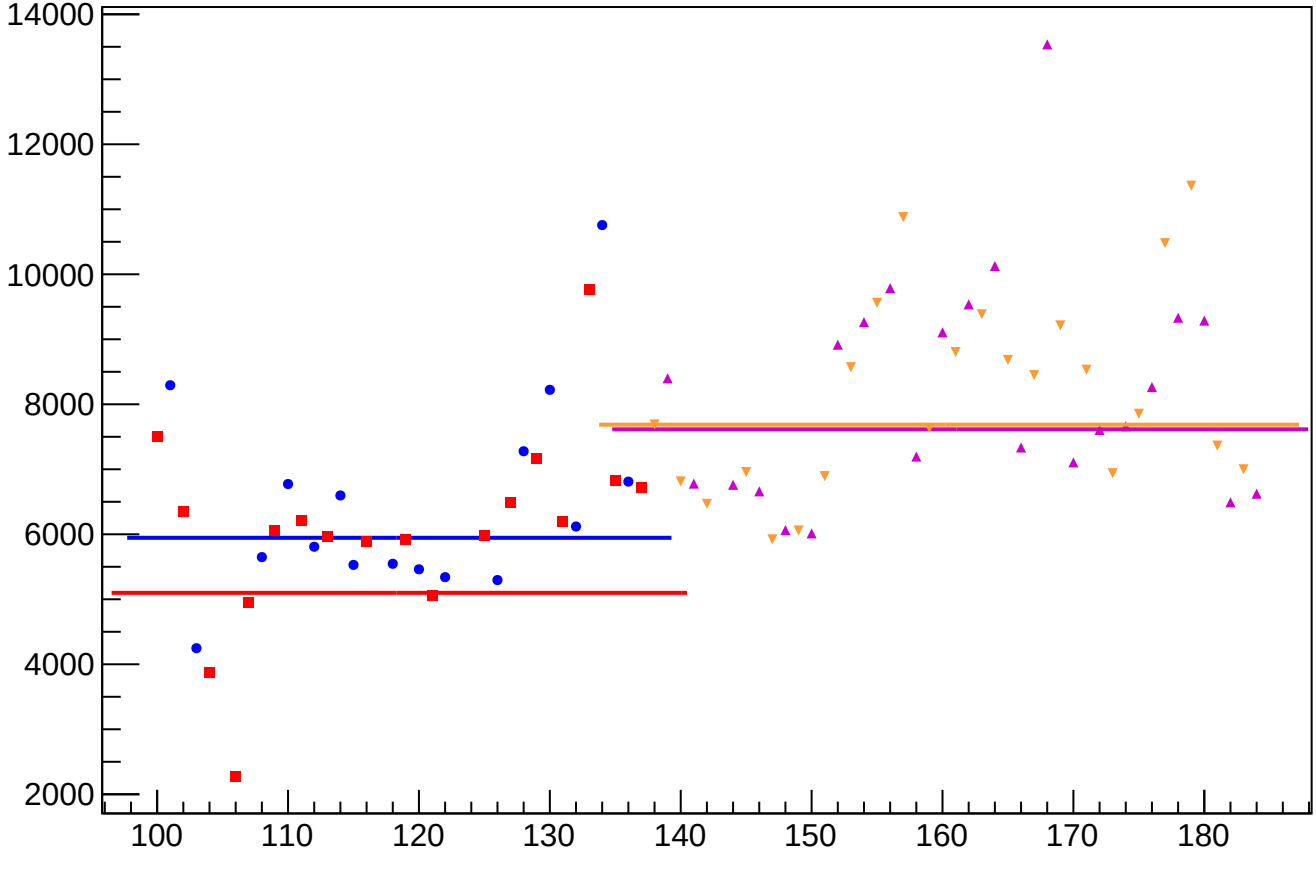
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 657.663+/-1417.020 χ^2/NDF:28.3/38

Out: 408.865+/-1356.127 χ^2/NDF:45.7/40

All: 527.804+/-979.747 χ^2/NDF: 73.9/79

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: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

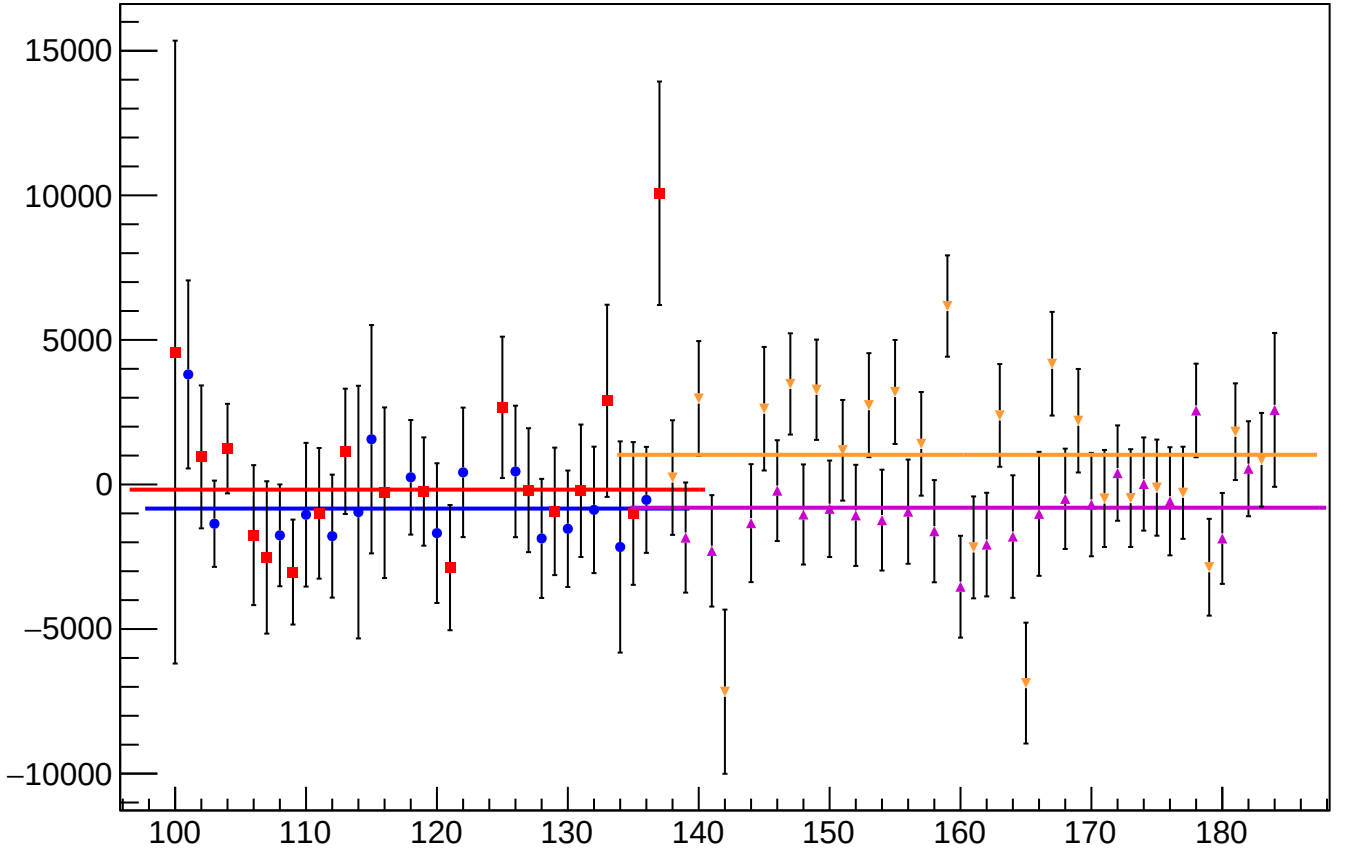
Left: 7650.397+/-0.913 χ^2/NDF: 2297435.0/45

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6963.520+/-1.002 χ^2/NDF:2525844.2/38

Out: 6510.733+/-0.959 χ^2/NDF:4356609.1/40

All: 6727.189+/-0.693 χ^2/NDF: 6989037.3/79



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: -803.783+/-374.066 χ^2/NDF:12.4/22

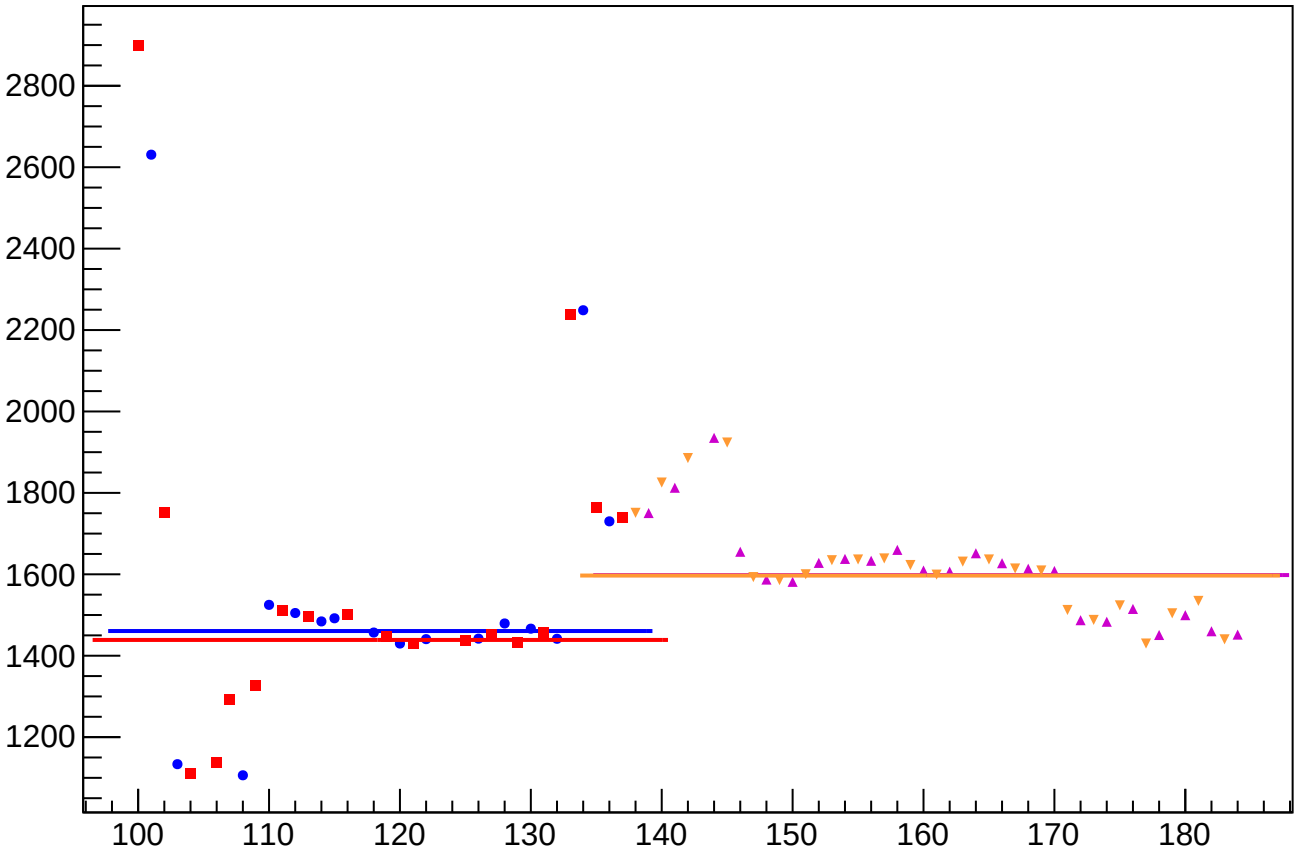
Left: 111.155+/-264.568 χ^2/NDF: 79.2/45

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -813.083+/-310.160 χ^2/NDF:17.0/38

Out: 643.516+/-309.020 χ^2/NDF:74.5/40

All: -82.103+/-218.912 χ^2/NDF: 102.6/79



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: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1597.548+/-0.187 χ^2/NDF: 347150.2/45

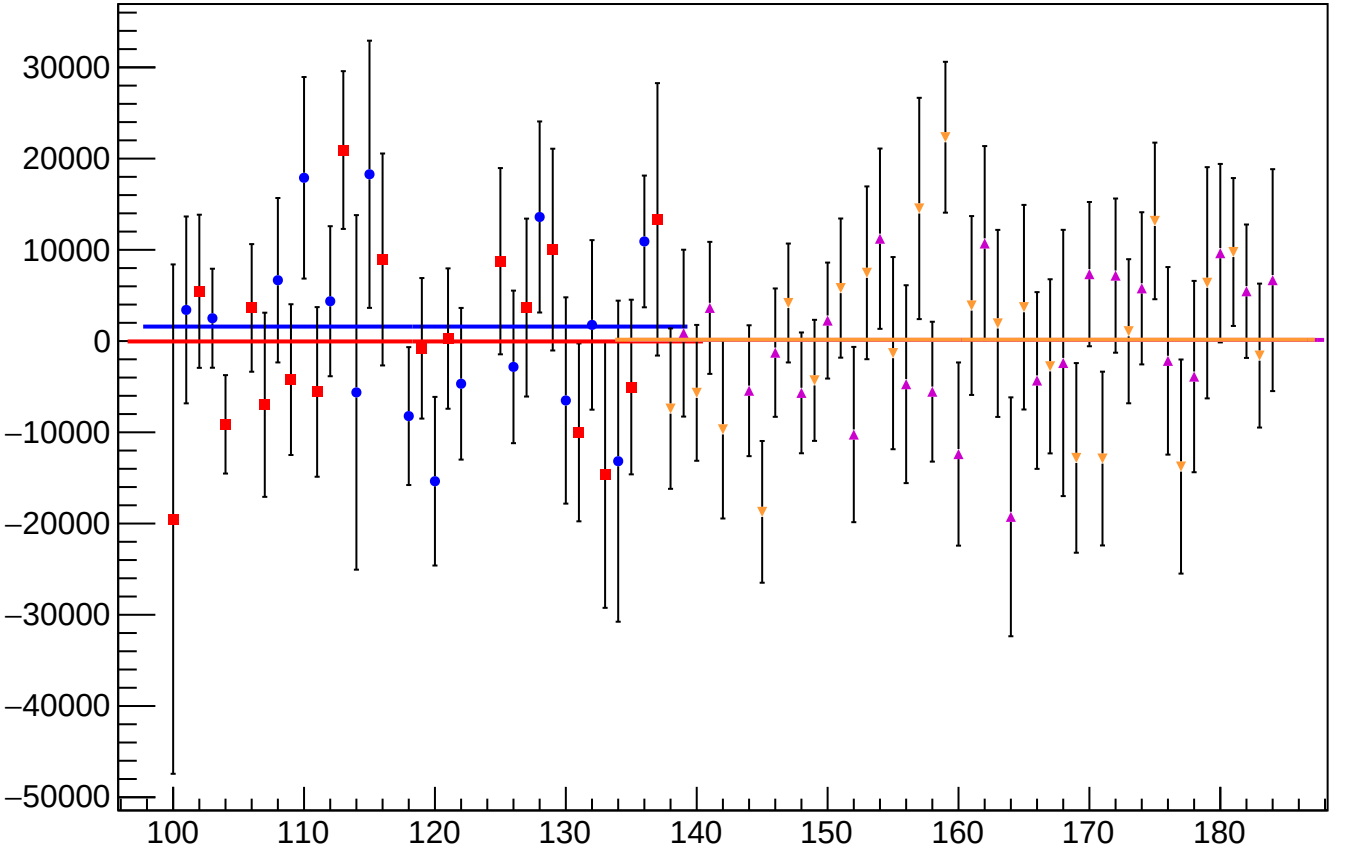
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1555.161+/-0.219 χ^2/NDF:829298.8/38

Out: 1546.477+/-0.218 χ^2/NDF:665447.6/40

All: 1550.800+/-0.155 χ^2/NDF: 1495533.9/79

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 149.509+/-1836.132 χ^2/NDF:28.1/22

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

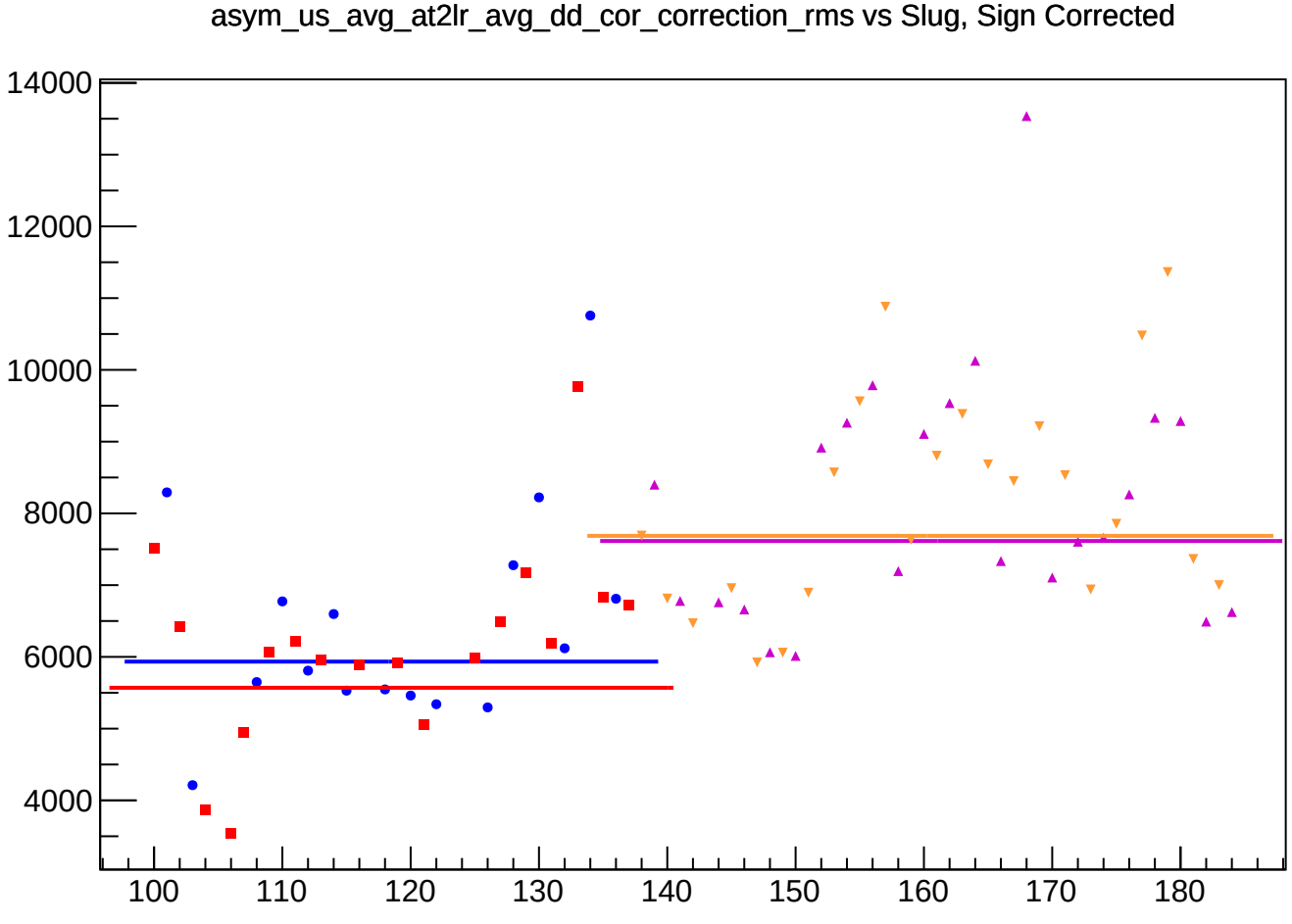
Left: 137.807+/-1290.743 χ^2/NDF: 41.9/45

Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 698.334+/-1416.099 χ^2/NDF:28.3/38

Out: 68.578+/-1391.573 χ^2/NDF:44.5/40

All: 377.956+/-992.548 χ^2/NDF: 73.0/79



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: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

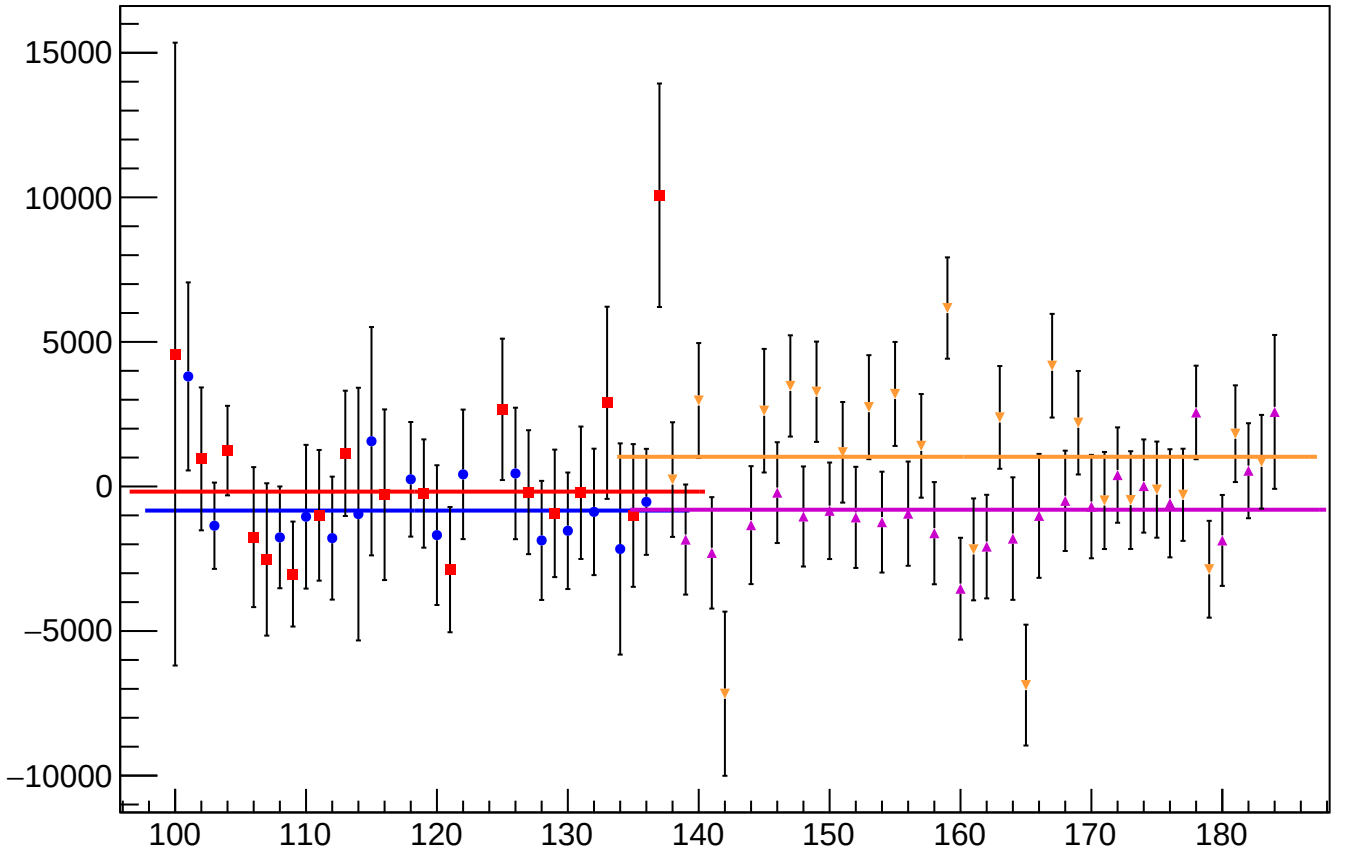
Left: 7650.393+/-0.913 χ^2/NDF: 2297440.3/45

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6957.550+/-1.001 χ^2/NDF:2548577.3/38

Out: 6785.614+/-0.984 χ^2/NDF:2927040.7/40

All: 6870.080+/-0.702 χ^2/NDF: 5490617.3/79



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: -803.783+/-374.066 χ^2/NDF:12.4/22

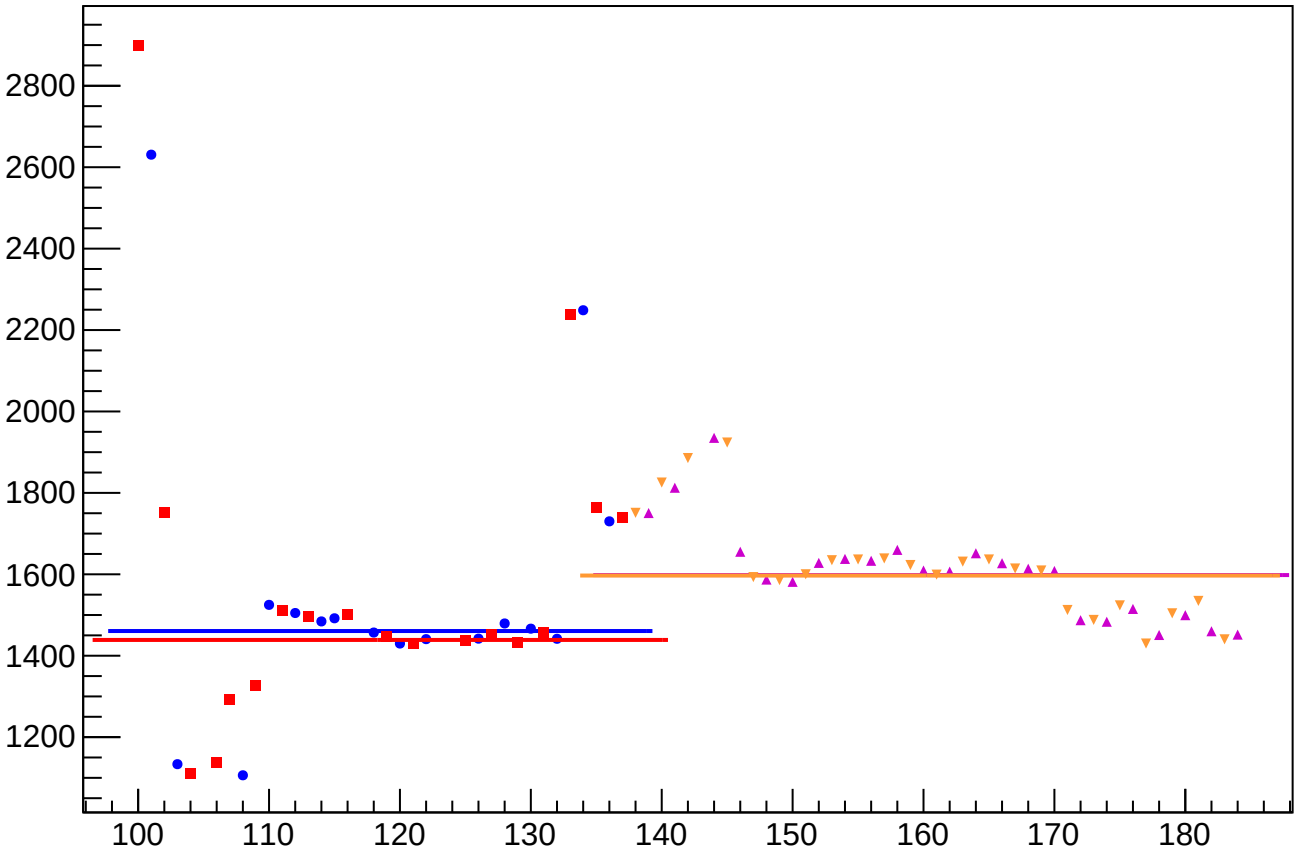
Left: 111.155+/-264.568 χ^2/NDF: 79.2/45

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -813.083+/-310.160 χ^2/NDF:17.0/38

Out: 643.516+/-309.020 χ^2/NDF:74.5/40

All: -82.103+/-218.912 χ^2/NDF: 102.6/79



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: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1597.548+/-0.187 χ^2/NDF: 347150.2/45

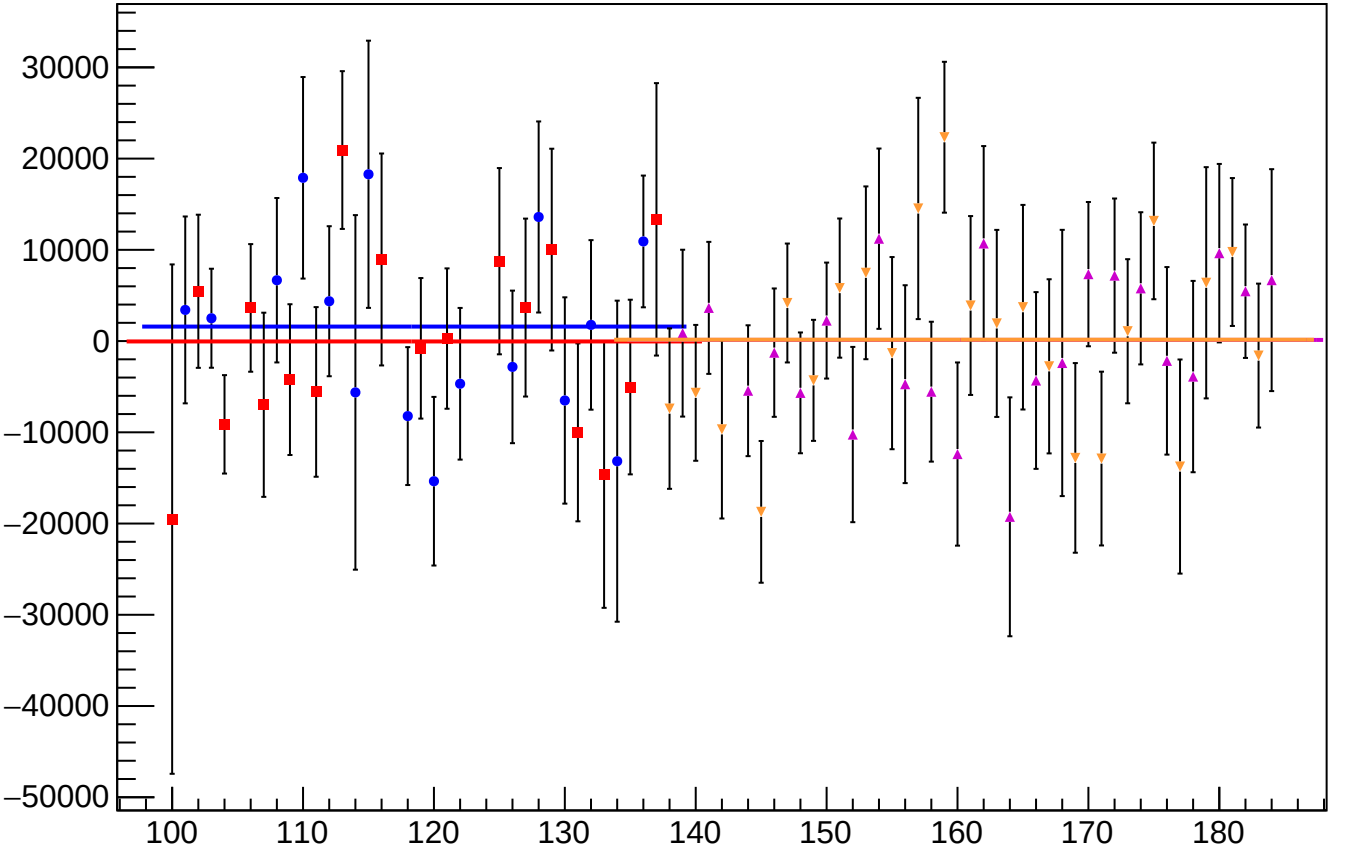
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1555.161+/-0.219 χ^2/NDF:829298.8/38

Out: 1546.477+/-0.218 χ^2/NDF:665447.6/40

All: 1550.800+/-0.155 χ^2/NDF: 1495533.9/79

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: 126.376+/-1814.828 χ^2/NDF:13.9/22

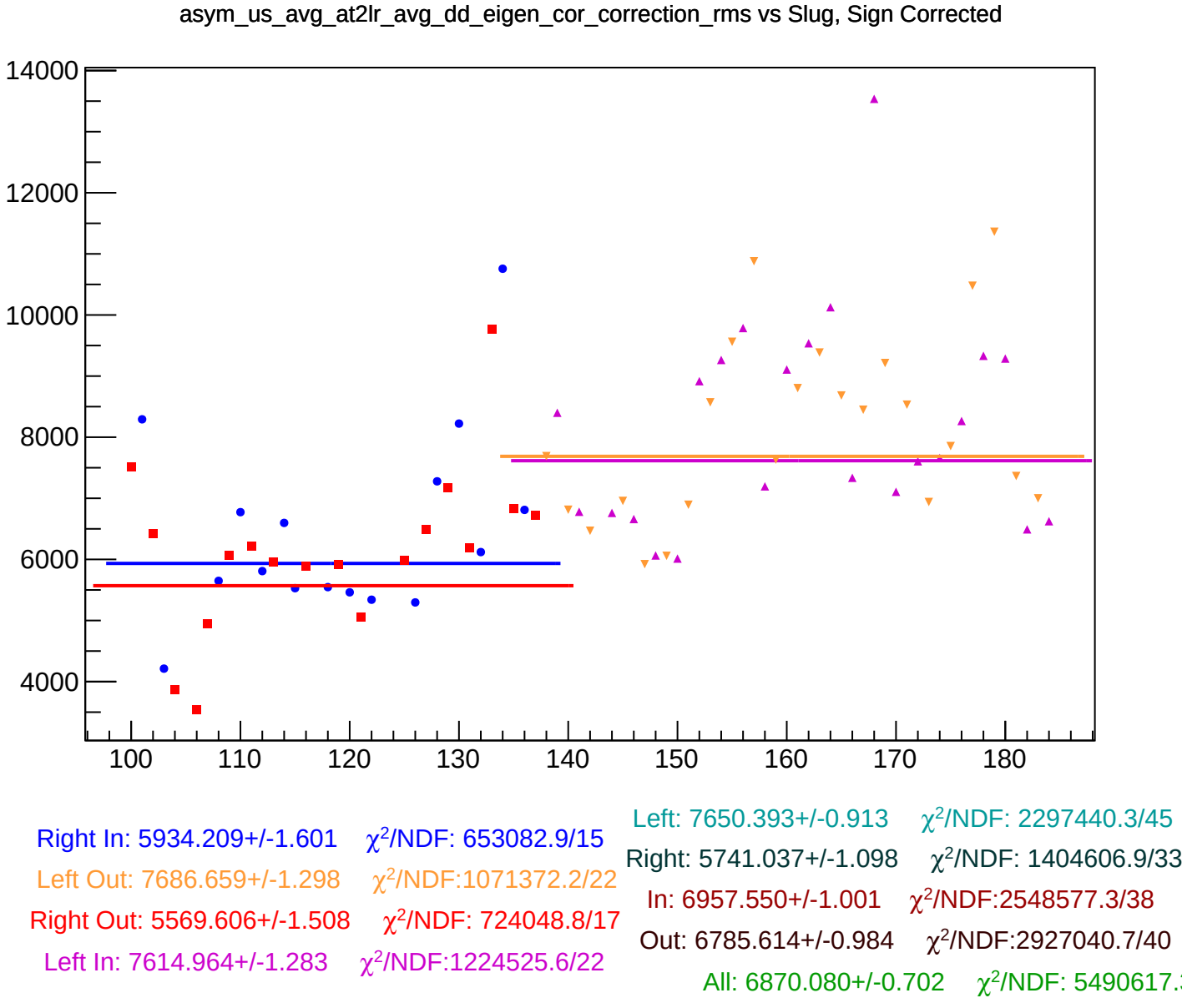
Left: 137.807+/-1290.743 χ^2/NDF: 41.9/45

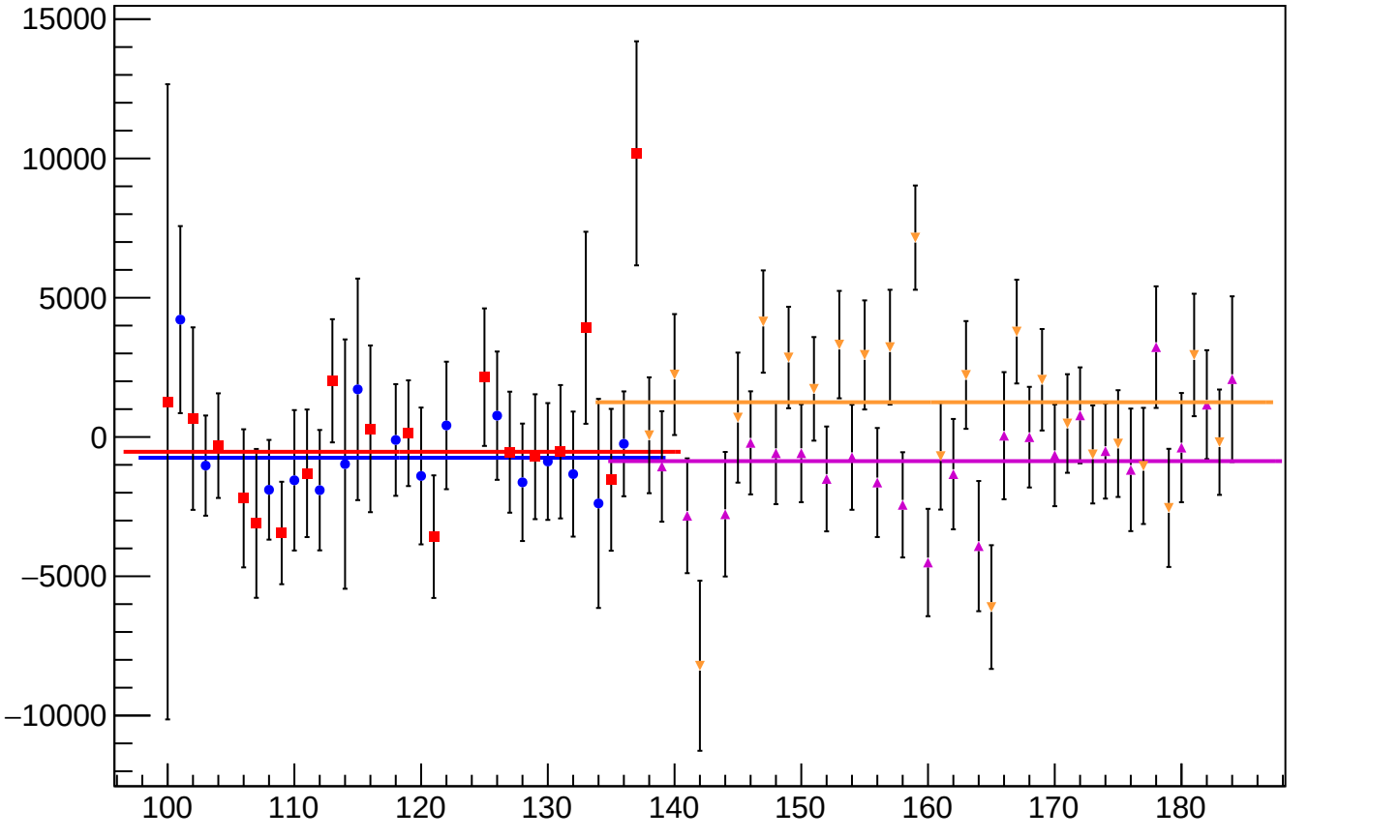
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 698.334+/-1416.099 χ^2/NDF:28.3/38

Out: 68.578+/-1391.573 χ^2/NDF:44.5/40

All: 377.956+/-992.548 χ^2/NDF: 73.0/79


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 5934.209+/-1.601 χ²/NDF: 653082.9/15
Left Out: 7686.659+/-1.298 χ²/NDF:1071372.2/22
Right Out: 5569.606+/-1.508 χ²/NDF: 724048.8/17
Left In: 7614.964+/-1.283 χ²/NDF:1224525.6/22
Left: 7650.393+/-0.913 χ²/NDF: 2297440.3/45
Right: 5741.037+/-1.098 χ²/NDF: 1404606.9/33
In: 6957.550+/-1.001 χ²/NDF:2548577.3/38
Out: 6785.614+/-0.984 χ²/NDF:2927040.7/40
All: 6870.080+/-0.702 χ²/NDF: 5490617.3/79



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: -866.022+/-410.038 χ^2/NDF:15.1/22

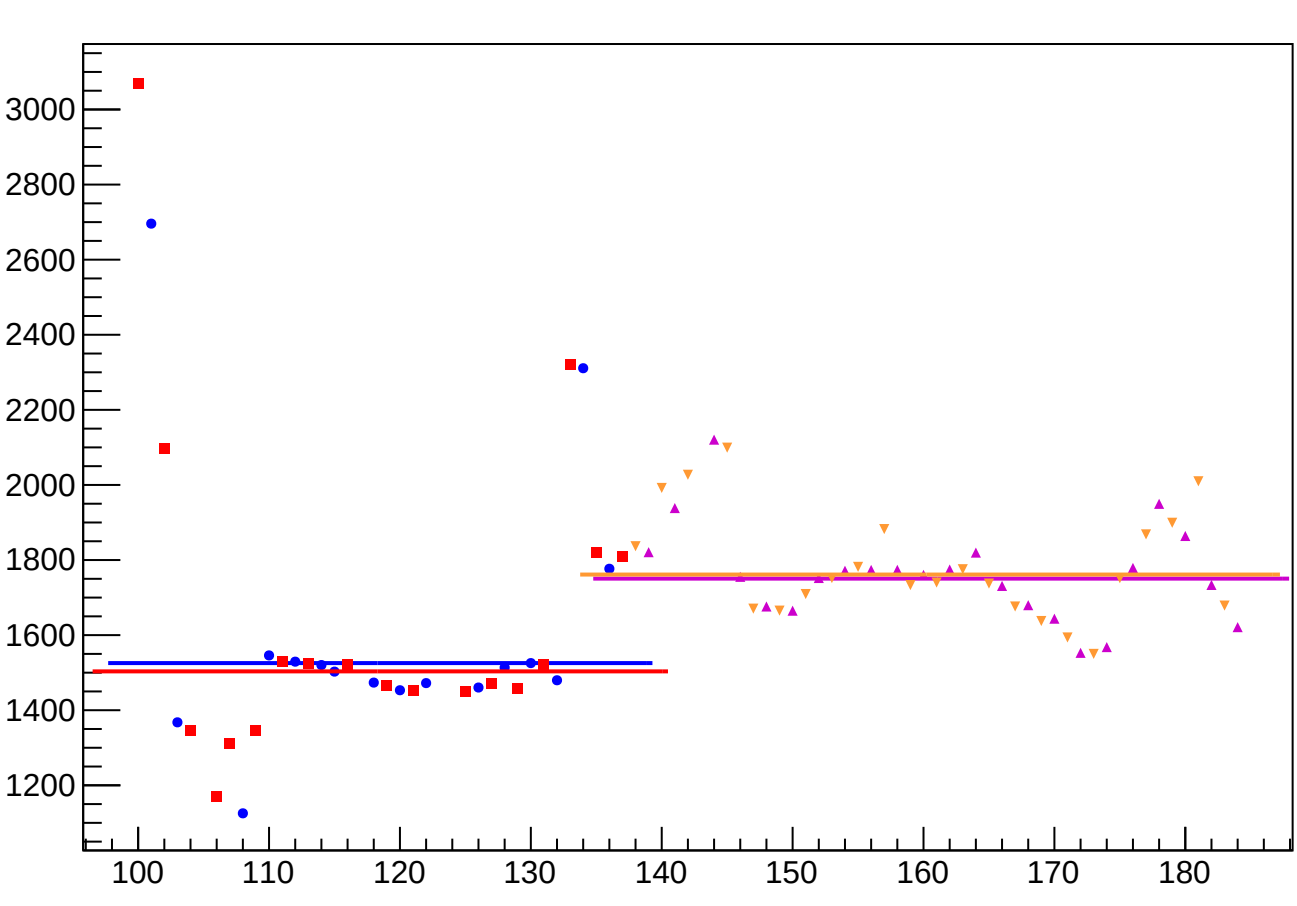
Left: 183.029+/-291.068 χ^2/NDF: 76.4/45

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -825.819+/-334.445 χ^2/NDF:19.9/38

Out: 642.512+/-335.594 χ^2/NDF:72.1/40

All: -94.172+/-236.894 χ^2/NDF: 101.7/79



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: 1750.477+/-0.290 χ^2/NDF:171889.4/22

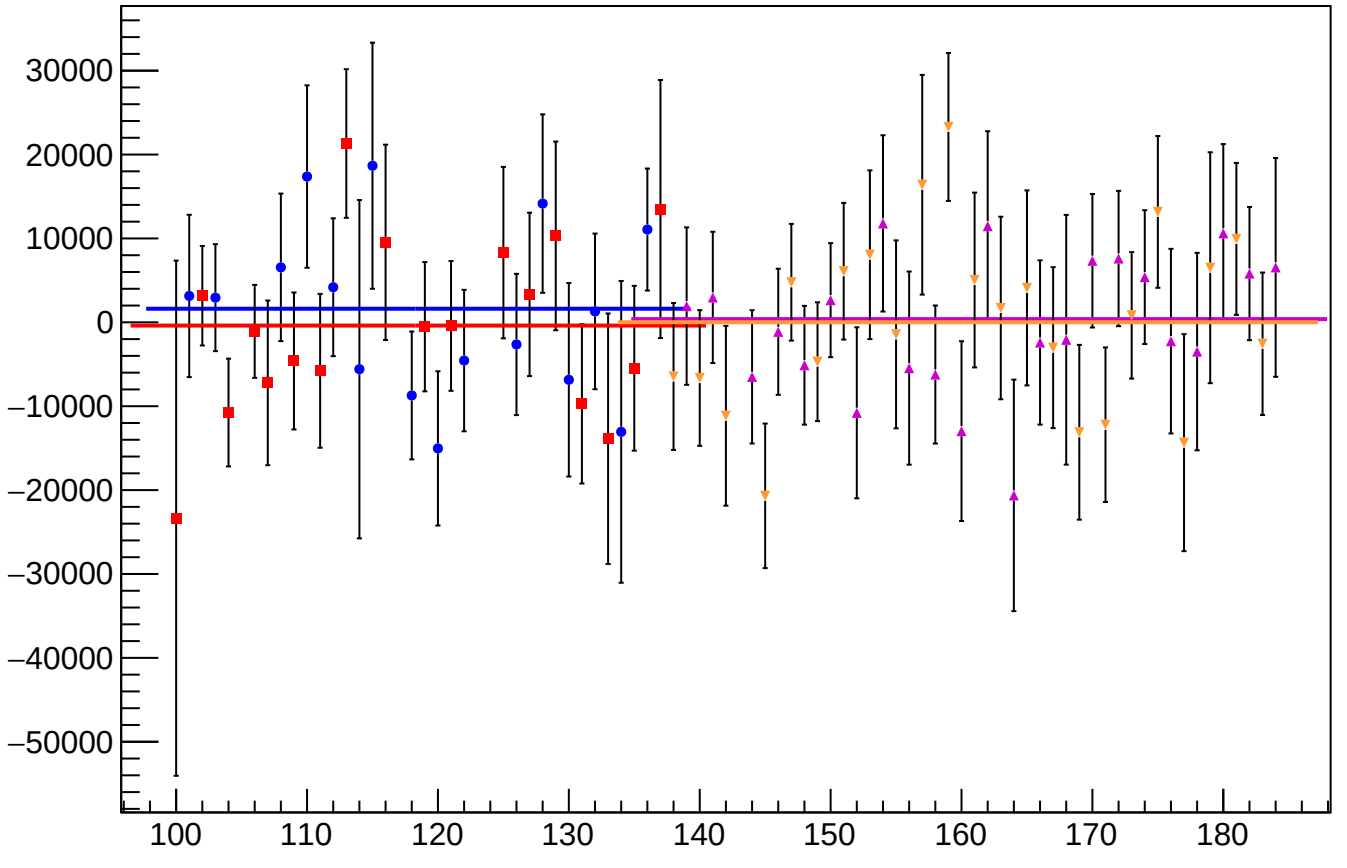
Left: 1755.862+/-0.206 χ^2/NDF: 378346.8/45

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1675.184+/-0.236 χ^2/NDF:861686.1/38

Out: 1673.483+/-0.237 χ^2/NDF:809603.1/40

All: 1674.336+/-0.168 χ^2/NDF: 1671314.9/79



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: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 199.284+/-1360.567 χ^2/NDF: 41.1/45

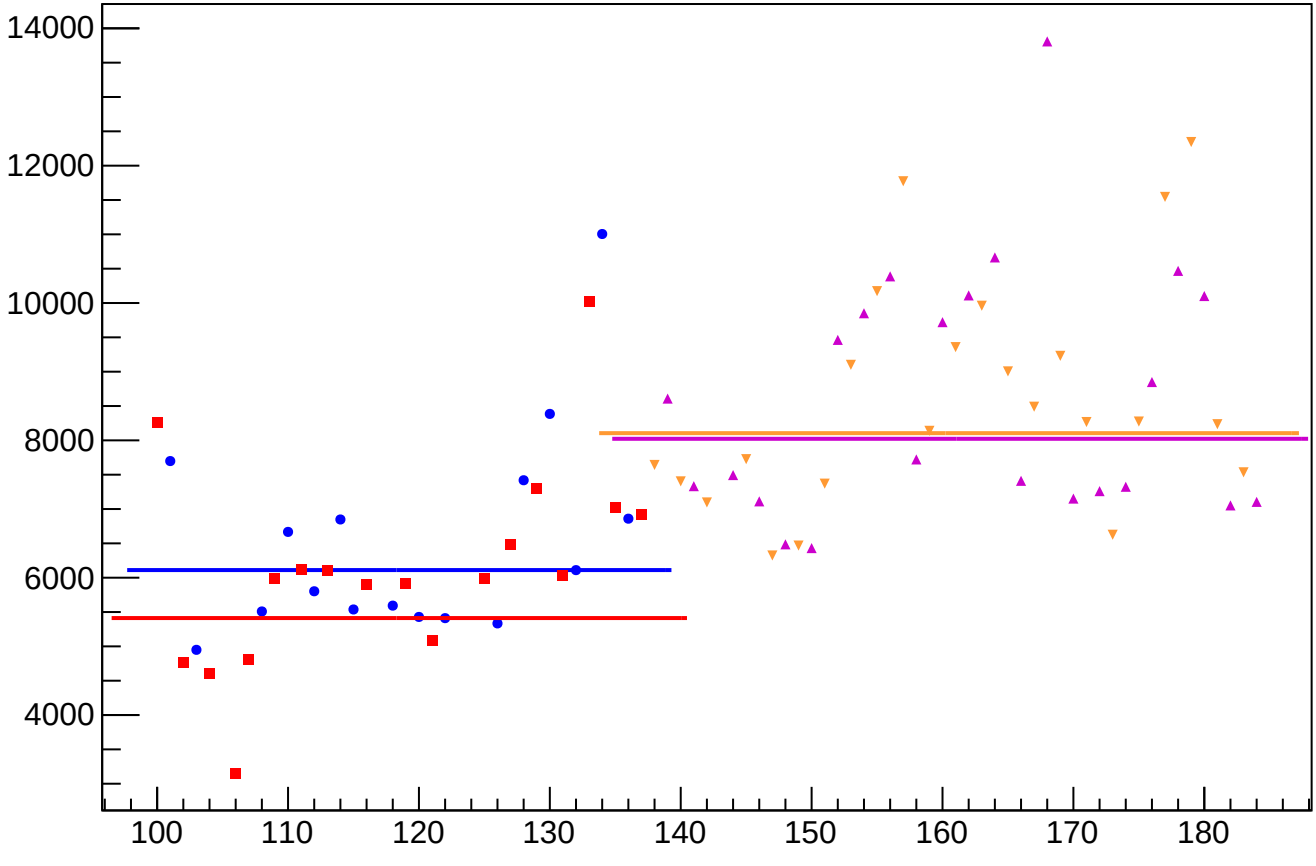
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 883.274+/-1475.675 χ^2/NDF:28.0/38

Out: -174.916+/-1411.077 χ^2/NDF:43.5/40

All: 330.511+/-1019.855 χ^2/NDF: 71.8/79

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8104.791+/-1.369 χ^2/NDF:1085727.5/22

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

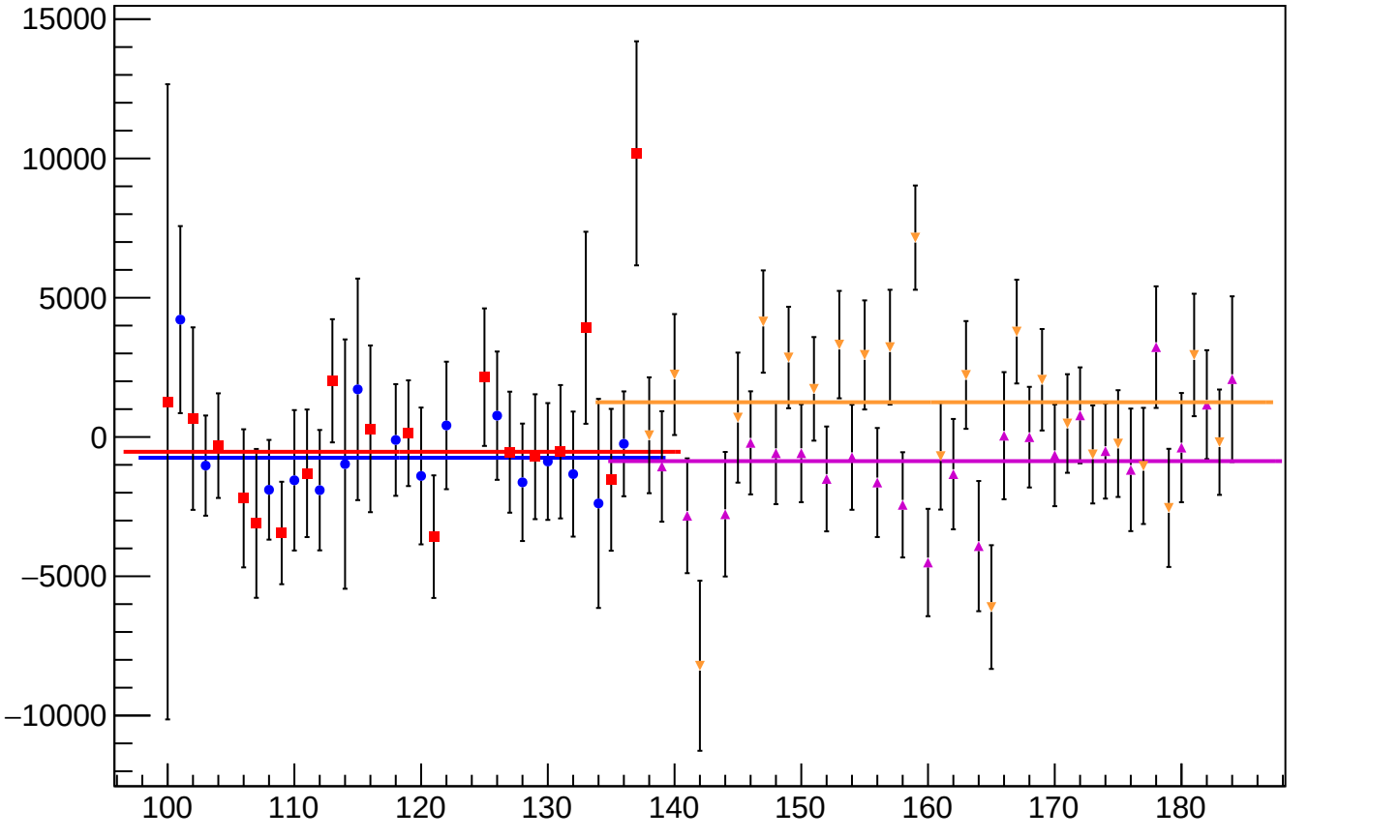
Left: 8063.253+/-0.962 χ^2/NDF: 2313095.5/45

Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7249.314+/-1.043 χ^2/NDF:2505761.8/38

Out: 6842.500+/-0.998 χ^2/NDF:3720651.0/40

All: 7036.808+/-0.721 χ^2/NDF: 6305811.9/79



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: -866.021+/-410.039 χ^2/NDF:15.1/22

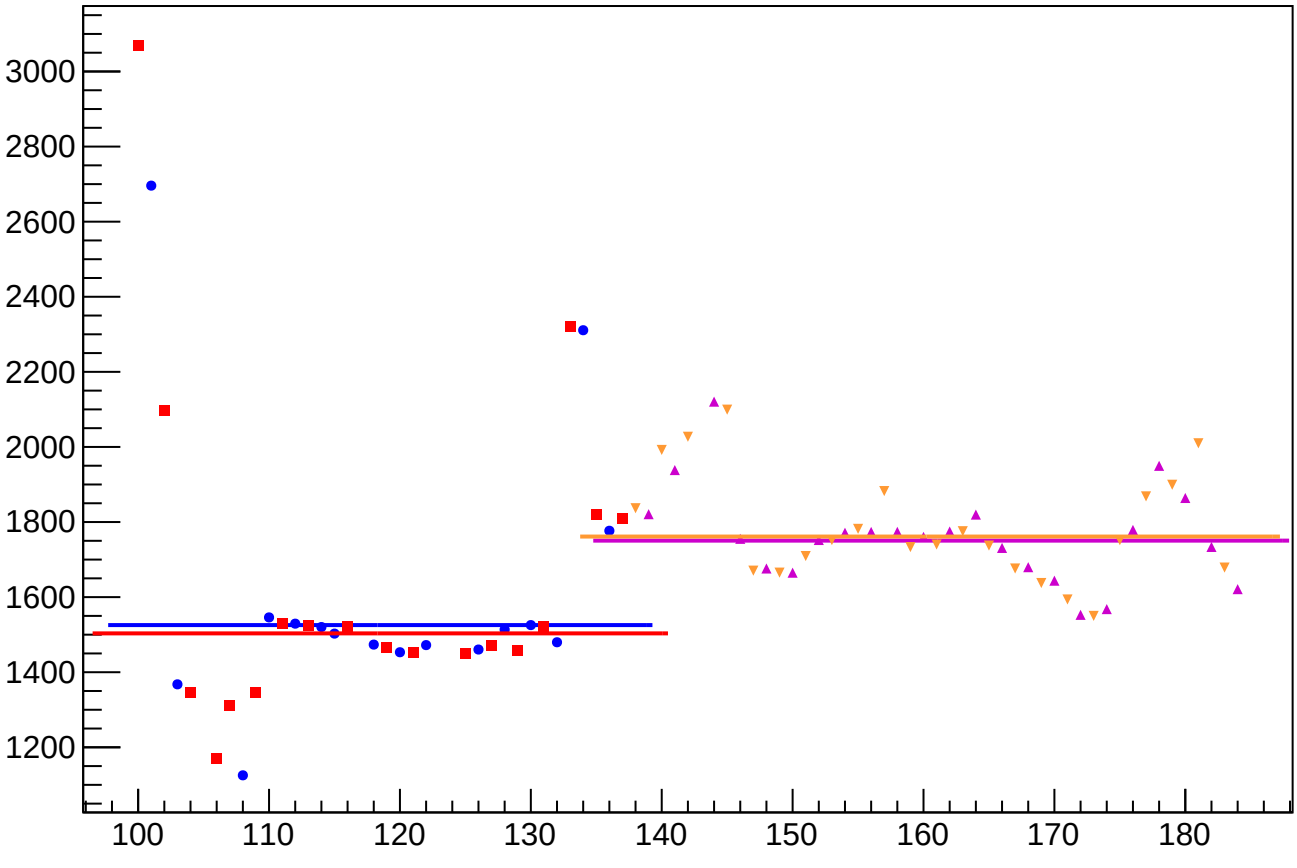
Left: 183.033+/-291.069 χ^2/NDF: 76.4/45

Right: -638.060+/-407.709 χ^2/NDF: 22.6/33

In: -825.819+/-334.446 χ^2/NDF:19.9/38

Out: 642.512+/-335.595 χ^2/NDF:72.1/40

All: -94.172+/-236.894 χ^2/NDF: 101.7/79



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: 1750.480+/-0.290 χ^2/NDF:171897.3/22

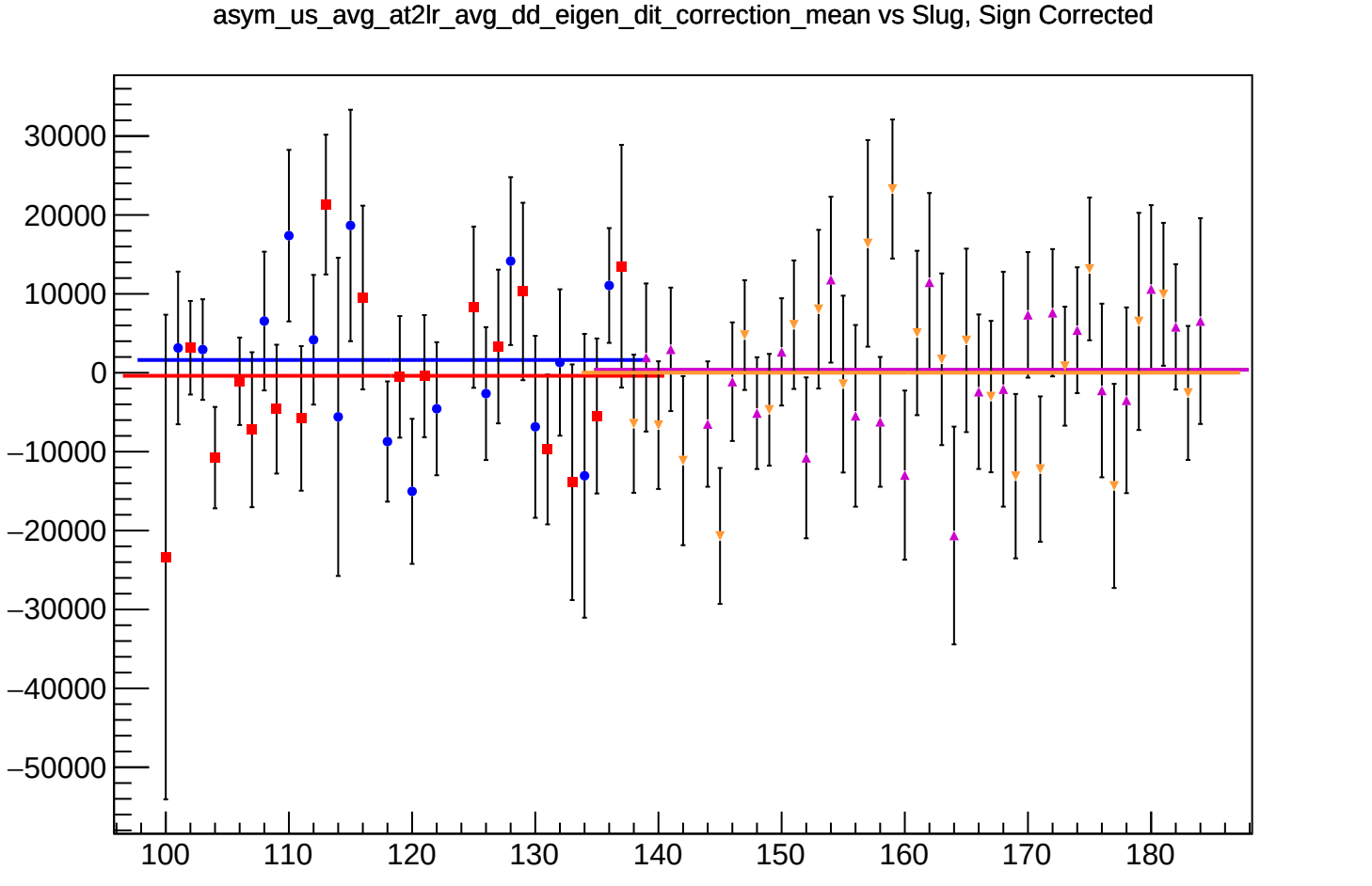
Left: 1755.865+/-0.206 χ^2/NDF: 378363.2/45

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1675.185+/-0.236 χ^2/NDF:861698.5/38

Out: 1673.484+/-0.237 χ^2/NDF:809616.7/40

All: 1674.338+/-0.168 χ^2/NDF: 1671341.0/79



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: 382.663+/-1912.388 χ^2/NDF:13.6/22

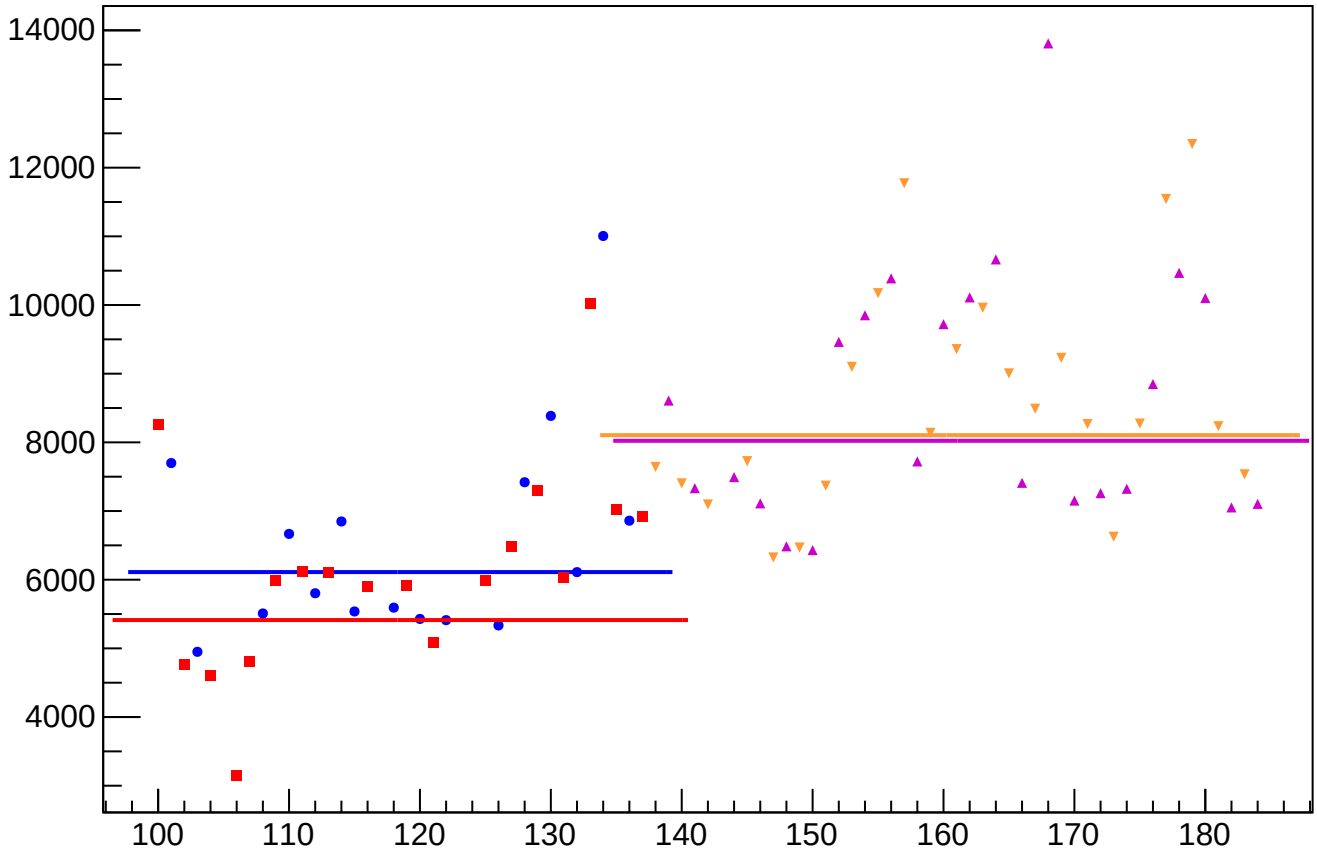
Left: 199.287+/-1360.569 χ^2/NDF: 41.1/45

Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 883.270+/-1475.675 χ^2/NDF:28.0/38

Out: -174.919+/-1411.077 χ^2/NDF:43.5/40

All: 330.508+/-1019.855 χ^2/NDF: 71.8/79



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: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

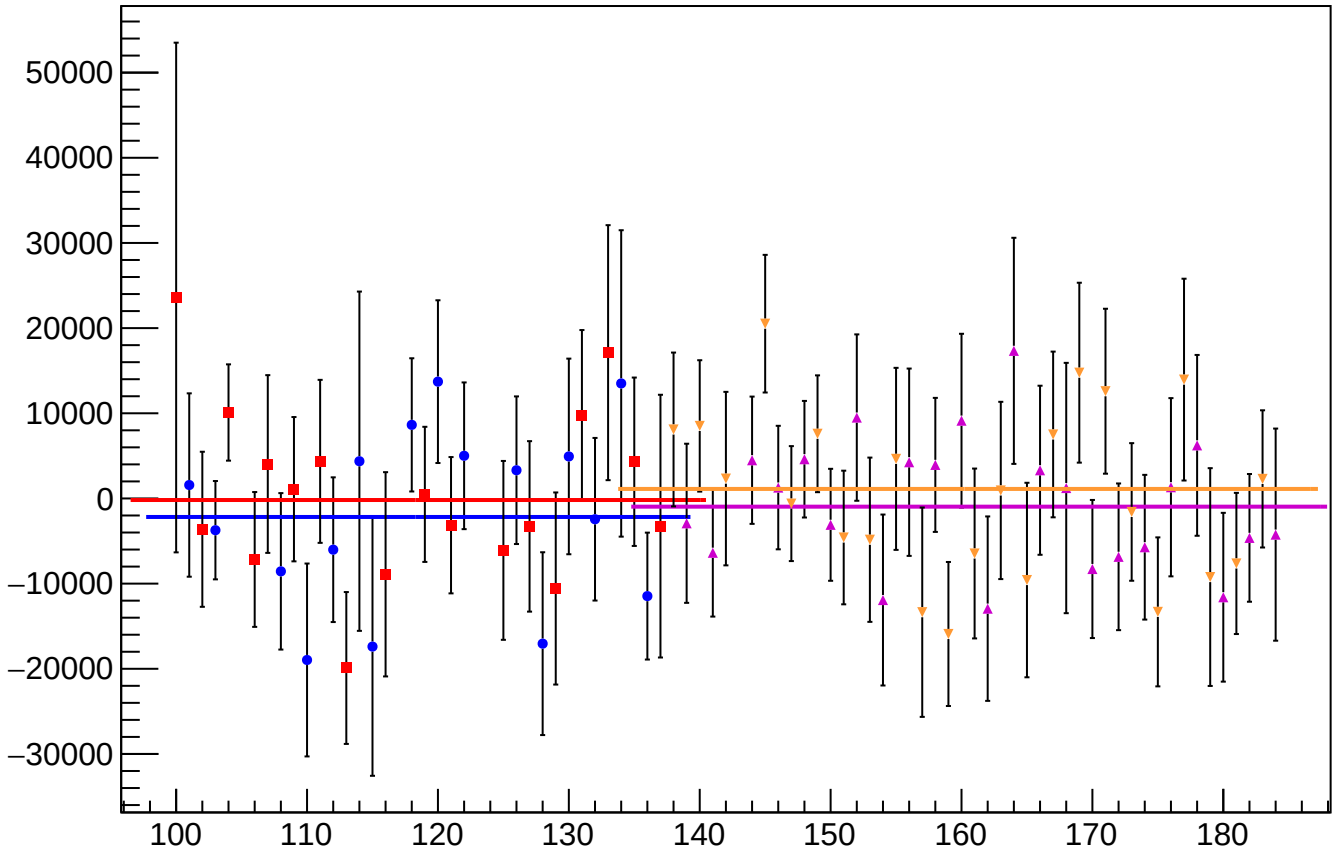
Left: 8063.265+/-0.962 χ^2/NDF: 2313102.6/45

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7249.312+/-1.043 χ^2/NDF:2505790.6/38

Out: 6842.496+/-0.998 χ^2/NDF:3720687.0/40

All: 7036.805+/-0.721 χ^2/NDF: 6305877.4/79



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: -963.967+/-1859.926 χ^2/NDF:12.8/22

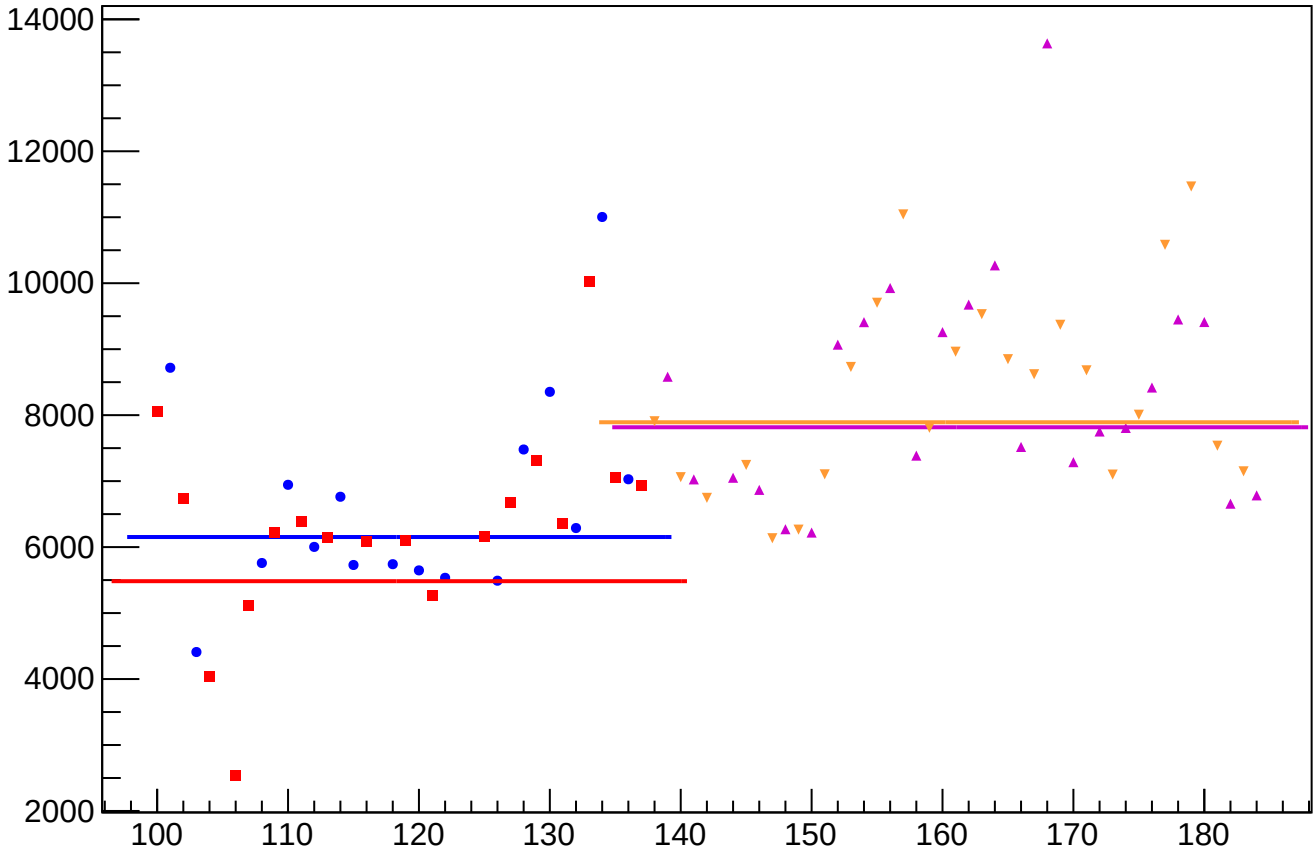
Left: 64.786+/-1322.874 χ^2/NDF: 38.9/45

Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -1430.596+/-1457.856 χ^2/NDF:27.5/38

Out: 576.307+/-1437.922 χ^2/NDF:40.3/40

All: -413.330+/-1023.740 χ^2/NDF: 68.8/79



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: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

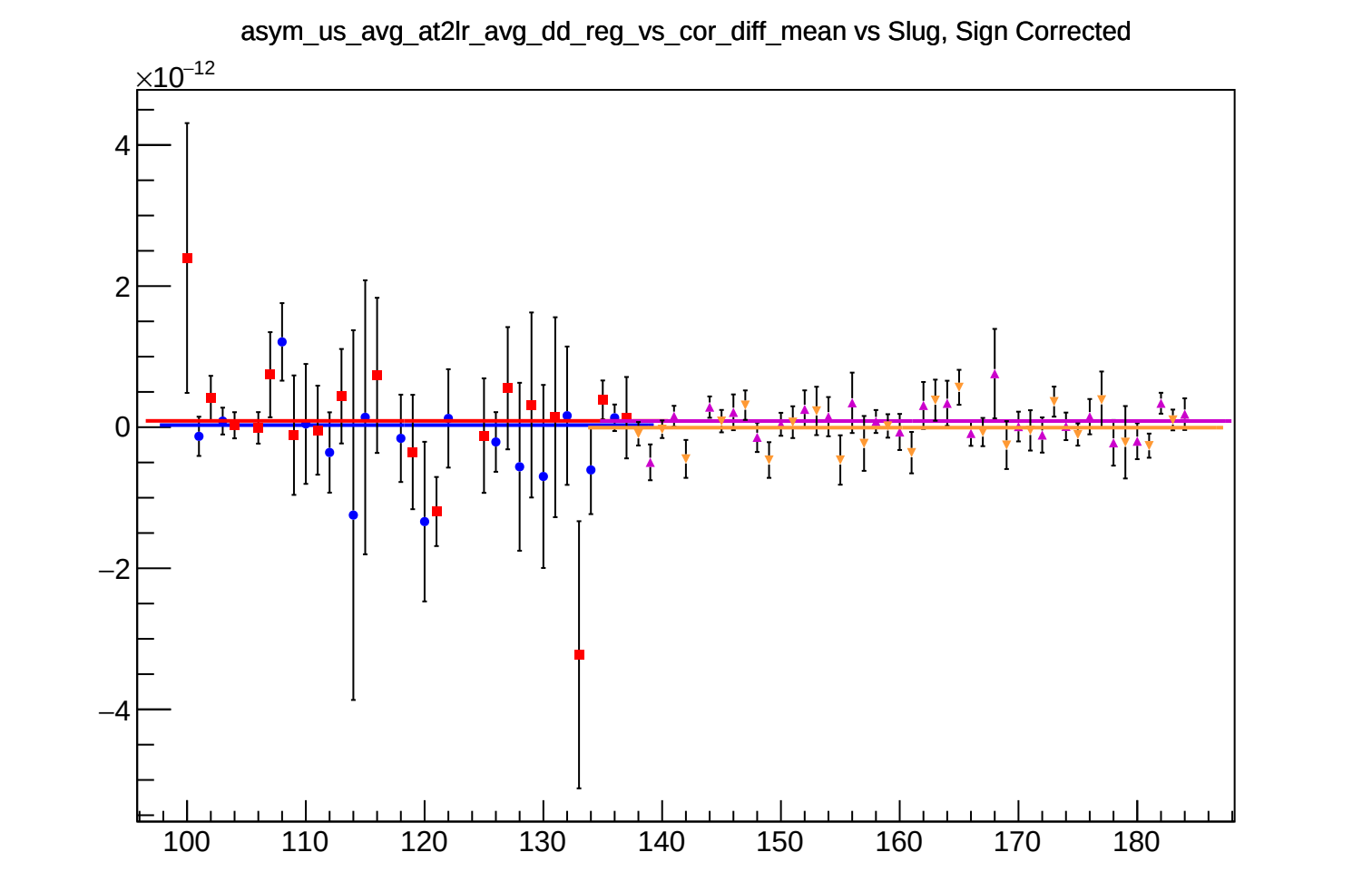
Left: 7853.942+/-0.935 χ^2/NDF: 2117984.6/45

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 7174.867+/-1.031 χ^2/NDF:2373529.2/38

Out: 6846.661+/-1.001 χ^2/NDF:3555196.1/40

All: 7005.955+/-0.718 χ^2/NDF: 5980894.3/79



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:19.3/22

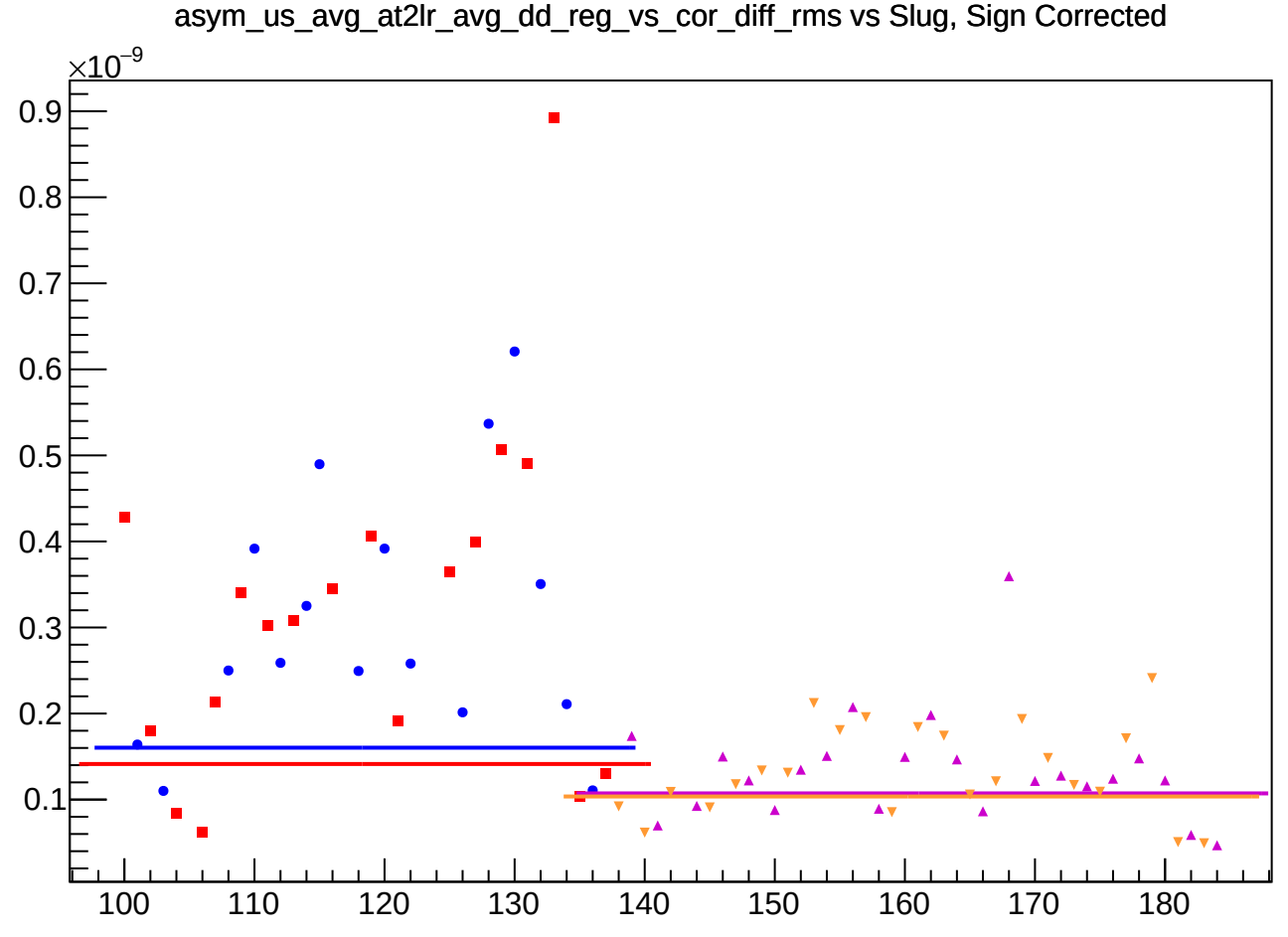
Left: 0.000+/-0.000 χ^2/NDF: 49.7/45

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:29.1/38

Out: 0.000+/-0.000 χ^2/NDF:45.4/40

All: 0.000+/-0.000 χ^2/NDF: 75.9/79



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:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3505472.1/45

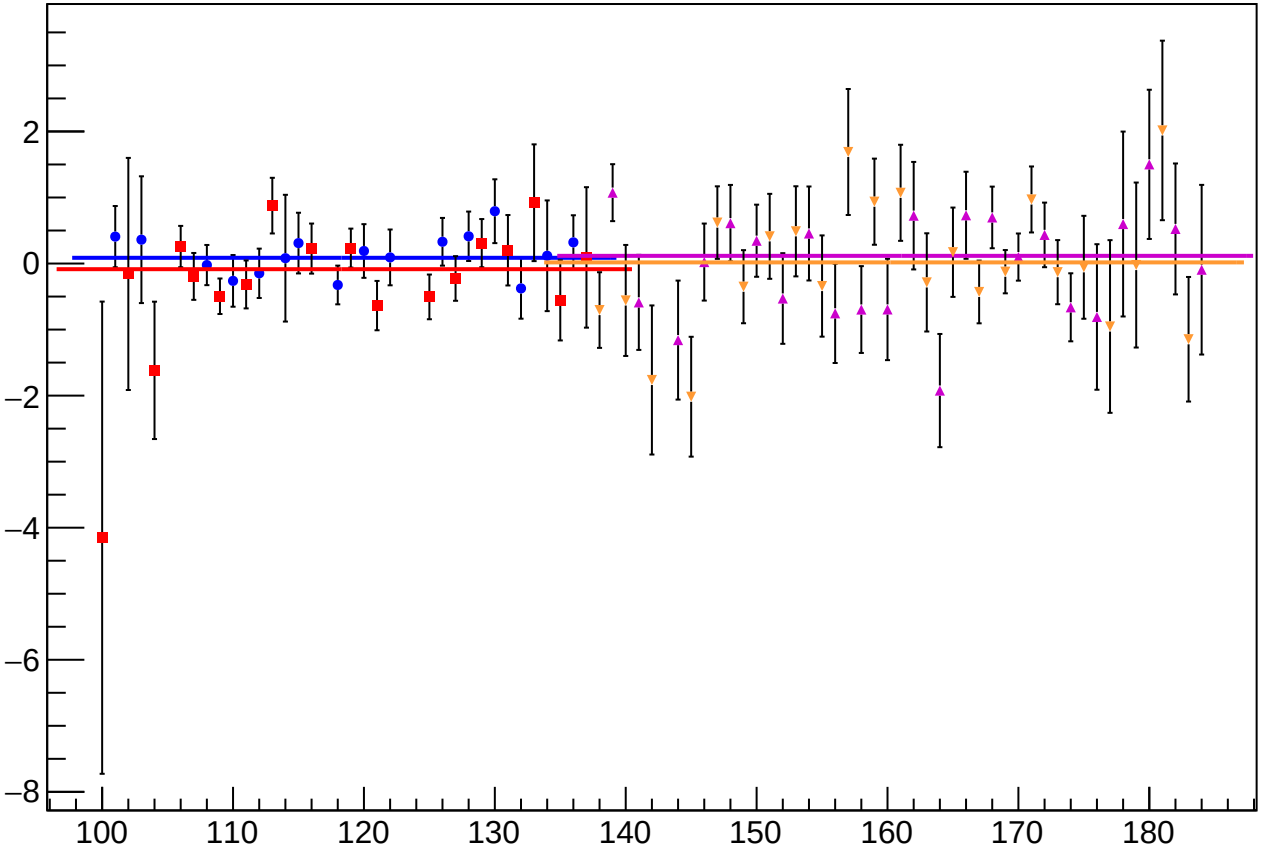
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:3366779.4/38

Out: 0.000+/-0.000 χ^2/NDF:4297326.9/40

All: 0.000+/-0.000 χ^2/NDF: 7686316.3/79

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: 0.117+/-0.132 χ^2/NDF:27.8/22

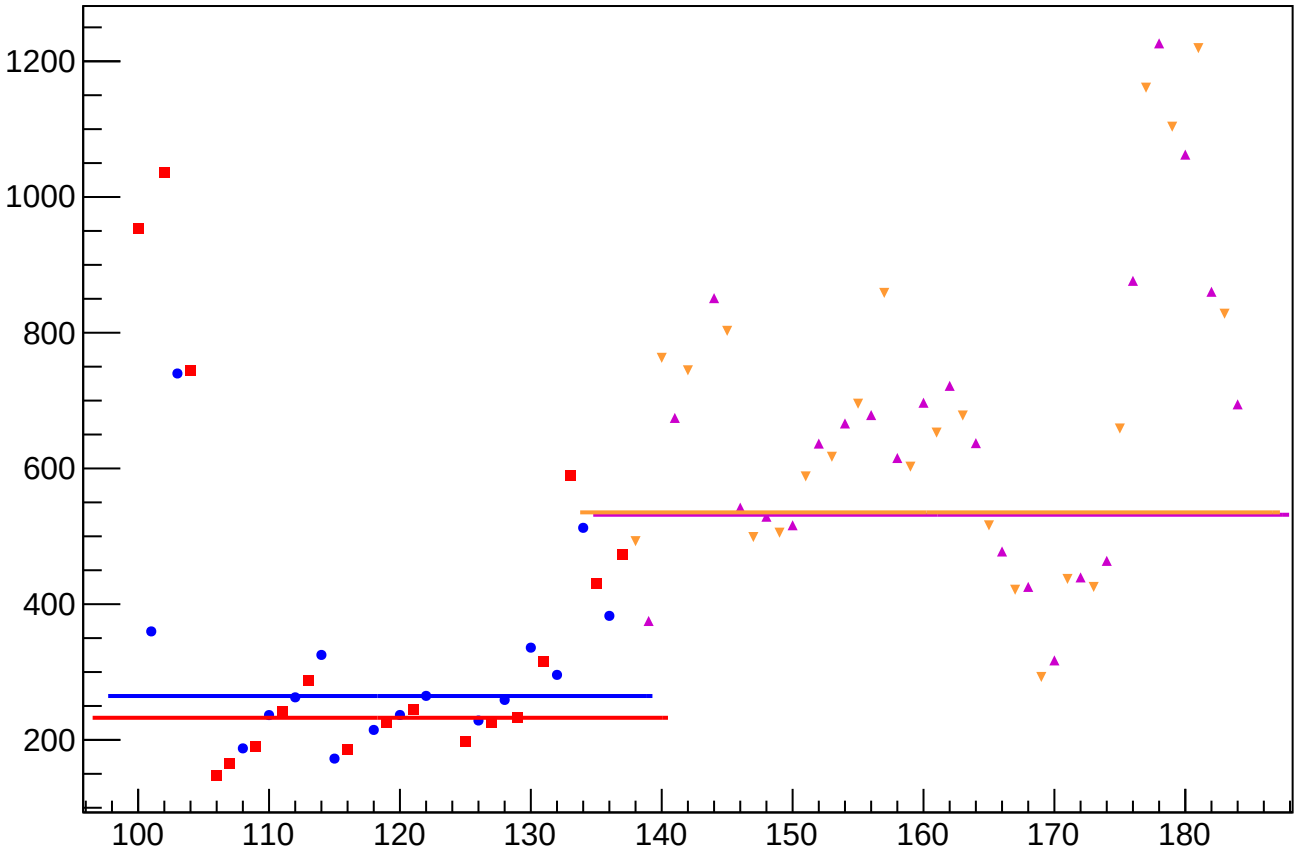
Left: 0.068+/-0.094 χ^2/NDF: 56.8/45

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.098+/-0.082 χ^2/NDF:36.7/38

Out: -0.050+/-0.079 χ^2/NDF:50.9/40

All: 0.021+/-0.057 χ^2/NDF: 89.3/79



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: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 533.500+/-0.067 χ^2/NDF: 7317968.2/45

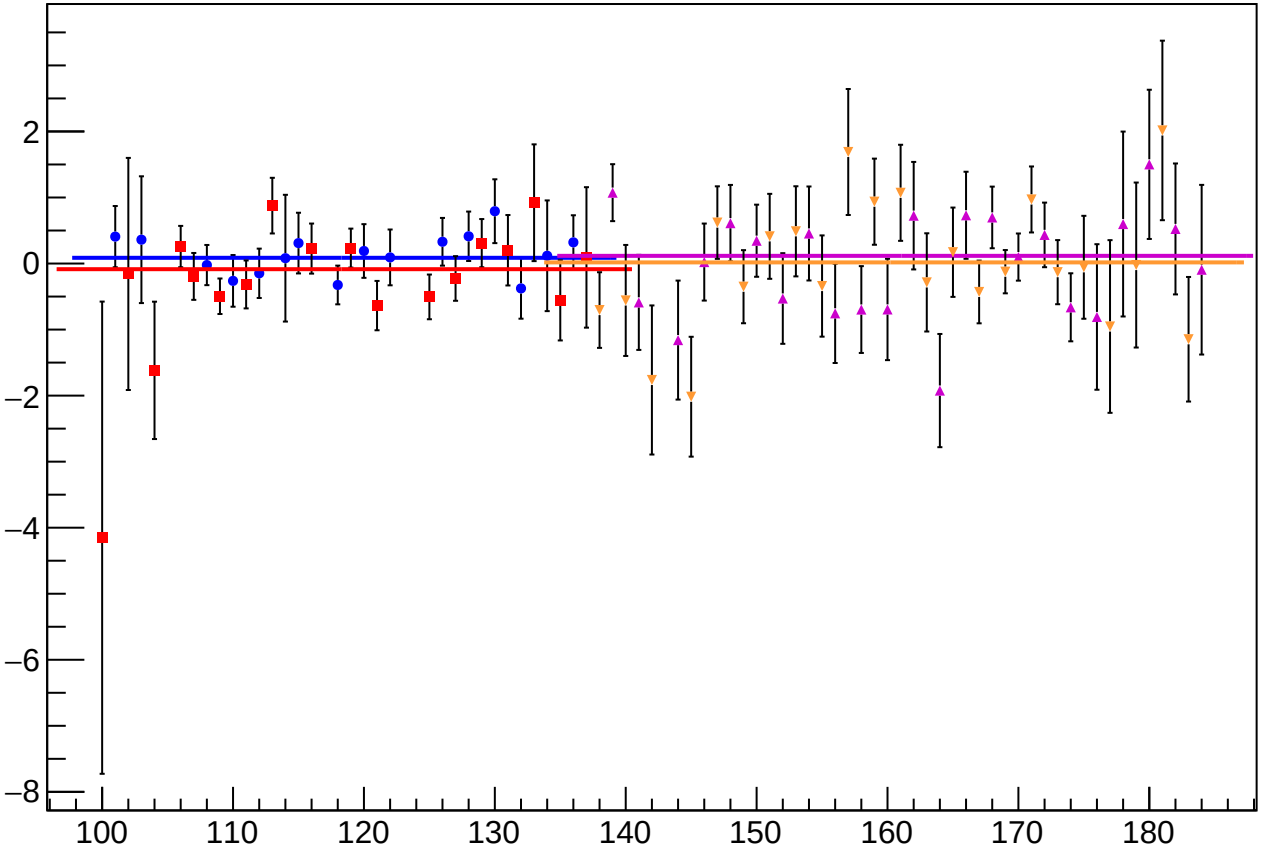
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 367.829+/-0.058 χ^2/NDF:9656406.0/38

Out: 336.518+/-0.056 χ^2/NDF:12608965.3/40

All: 351.505+/-0.040 χ^2/NDF: 22416213.5/79

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: 0.117+/-0.132 χ^2/NDF:27.8/22

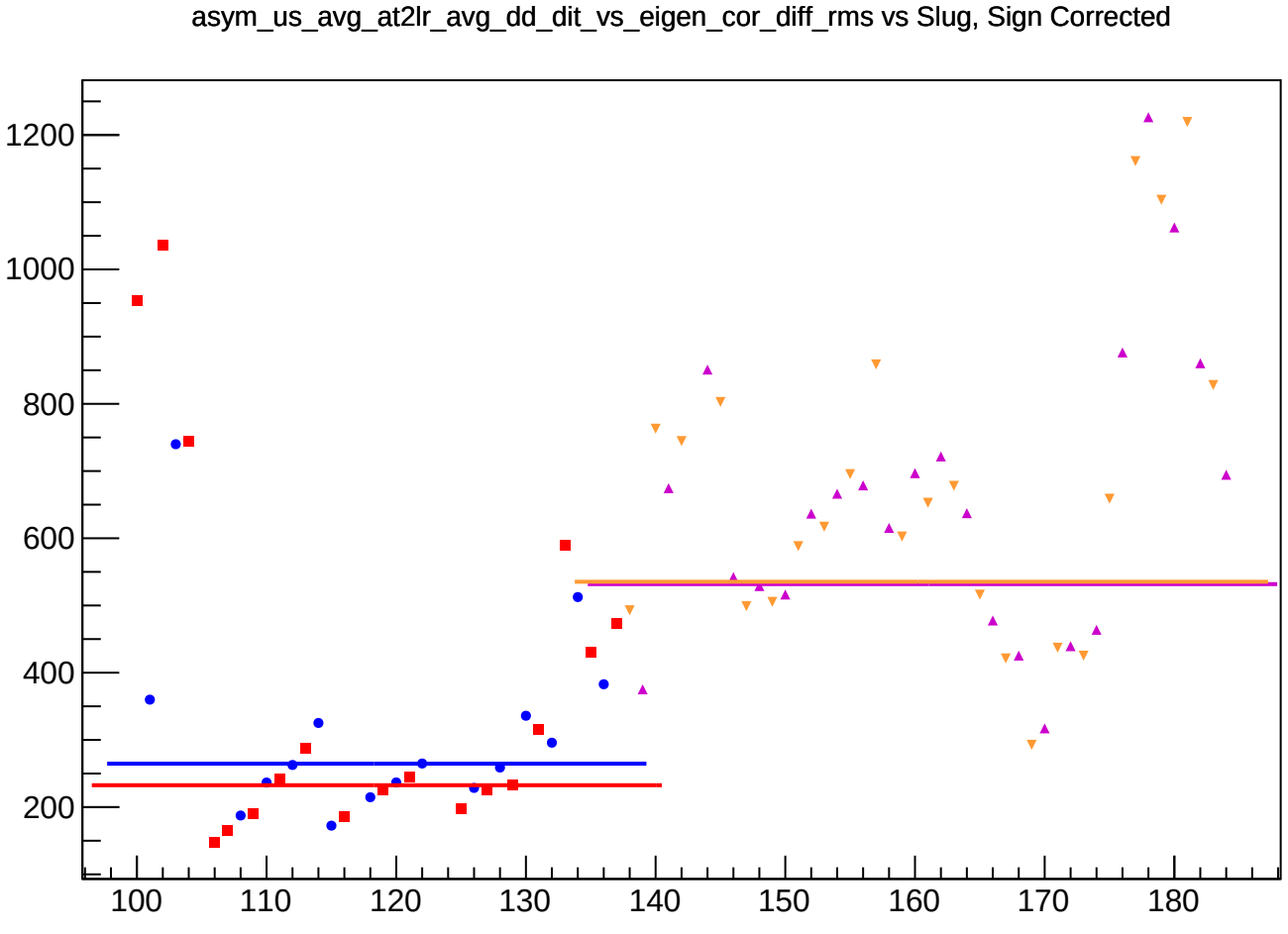
Left: 0.068+/-0.094 χ^2/NDF: 56.8/45

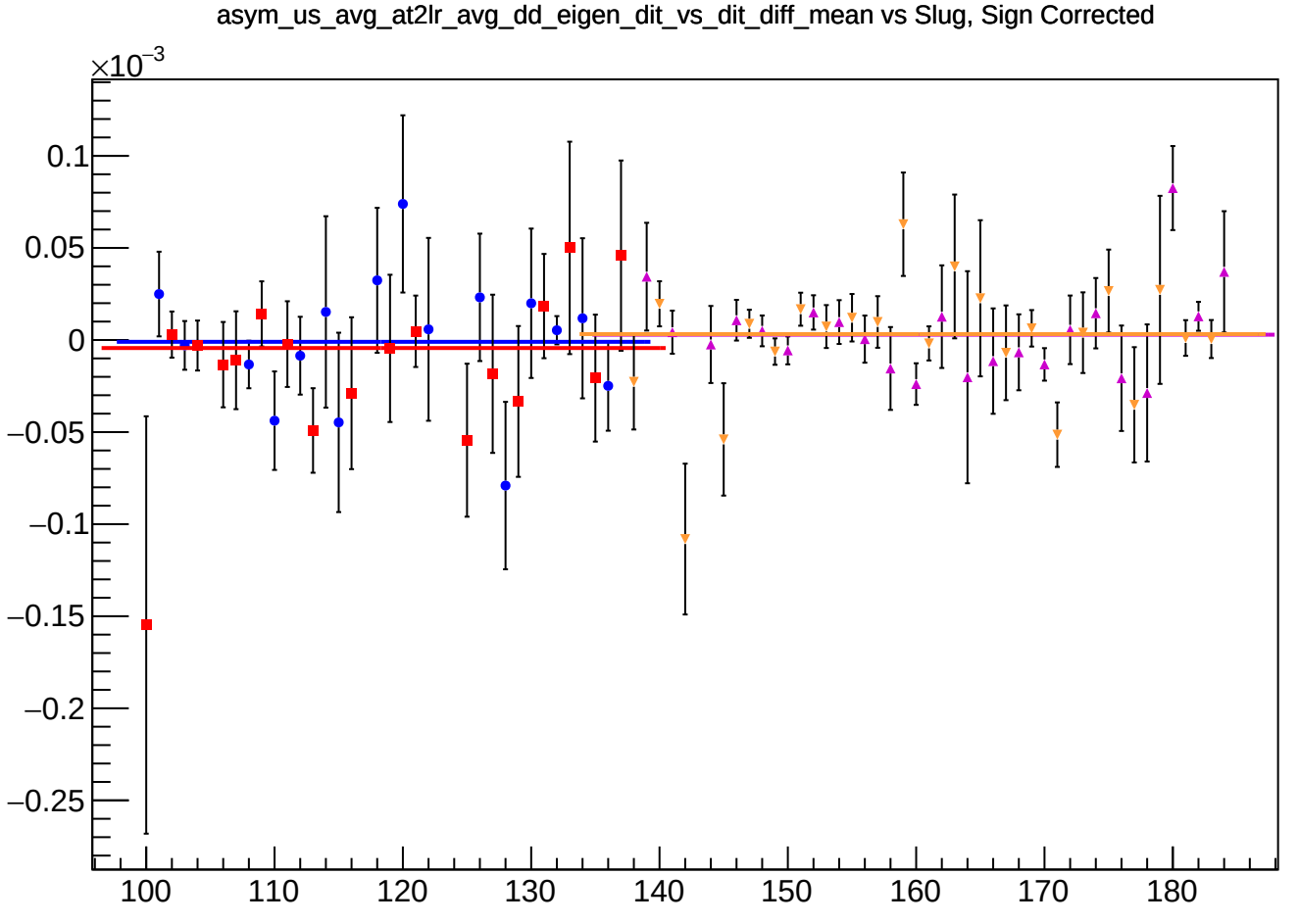
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.098+/-0.082 χ^2/NDF:36.7/38

Out: -0.050+/-0.079 χ^2/NDF:50.9/40

All: 0.021+/-0.057 χ^2/NDF: 89.3/79


asym_us_avg_at2lr_avg_dd_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: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 535.286+/-0.095 χ²/NDF:3936065.6/22
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
Left: 533.500+/-0.067 χ²/NDF: 7317968.2/45
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 367.829+/-0.058 χ²/NDF:9656406.0/38
Out: 336.518+/-0.056 χ²/NDF:12608965.3/40
All: 351.505+/-0.040 χ²/NDF: 22416213.5/79



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:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 70.1/45

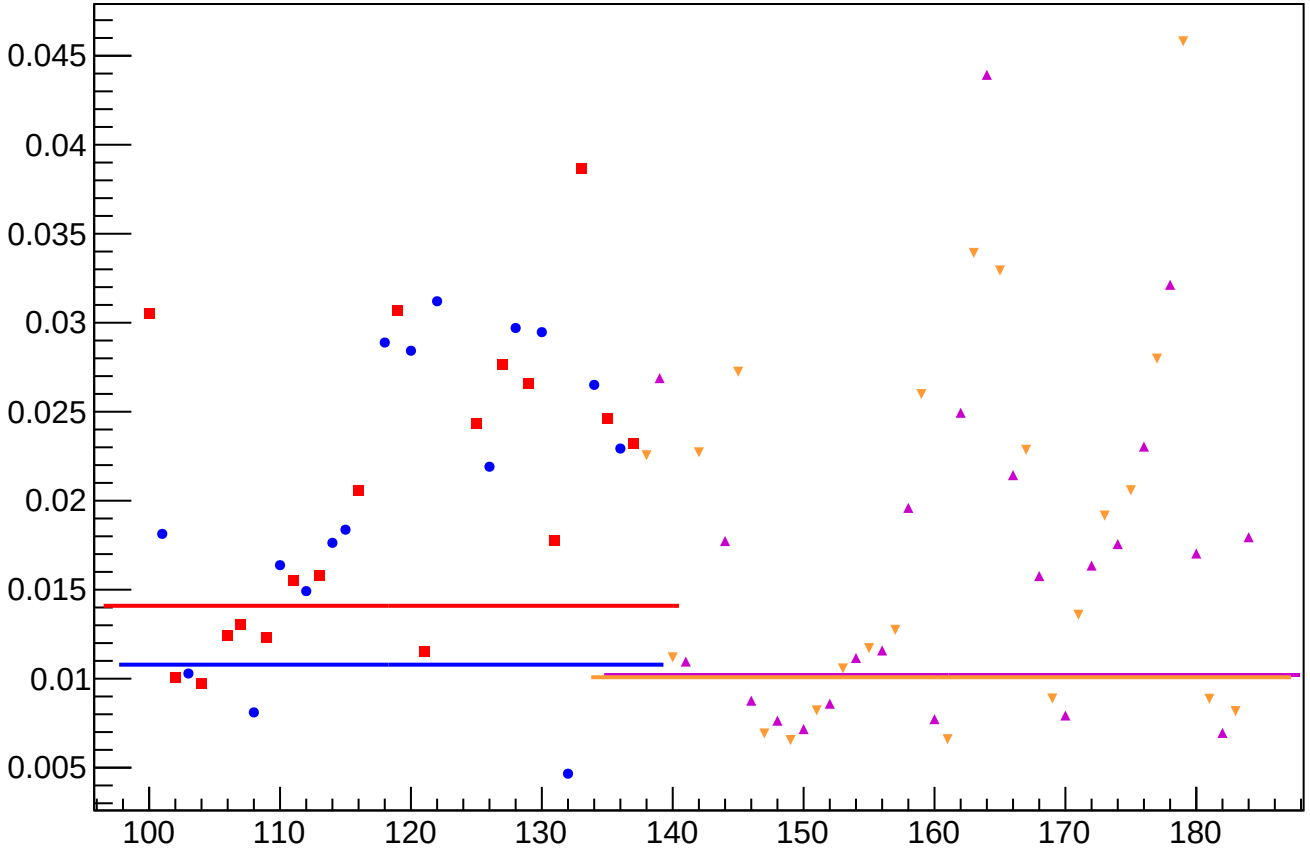
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:47.0/38

Out: 0.000+/-0.000 χ^2/NDF:51.9/40

All: 0.000+/-0.000 χ^2/NDF: 98.9/79

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:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13771669.3/45

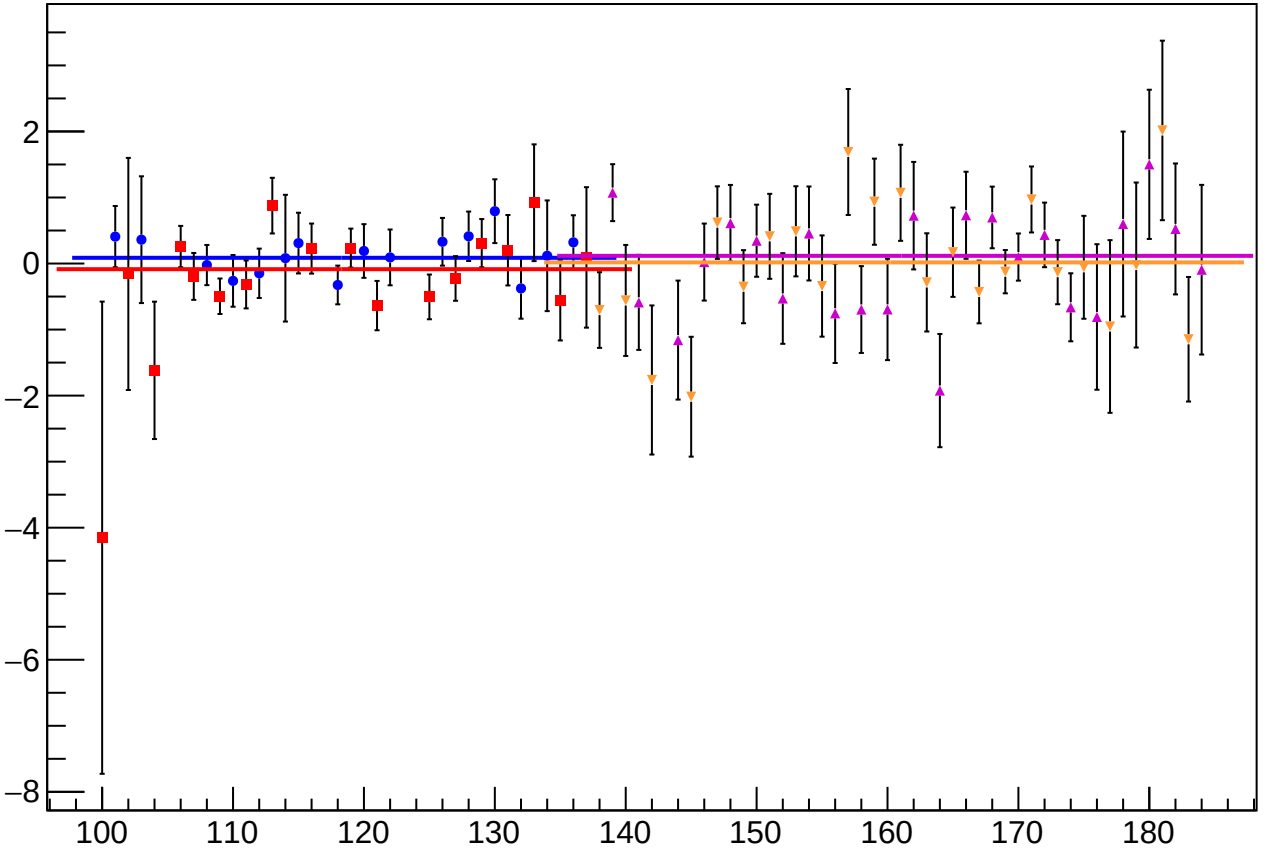
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:10676725.7/38

Out: 0.011+/-0.000 χ^2/NDF:10575908.6/40

All: 0.011+/-0.000 χ^2/NDF: 21292319.3/79

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: 0.117+/-0.132 χ^2/NDF:27.8/22

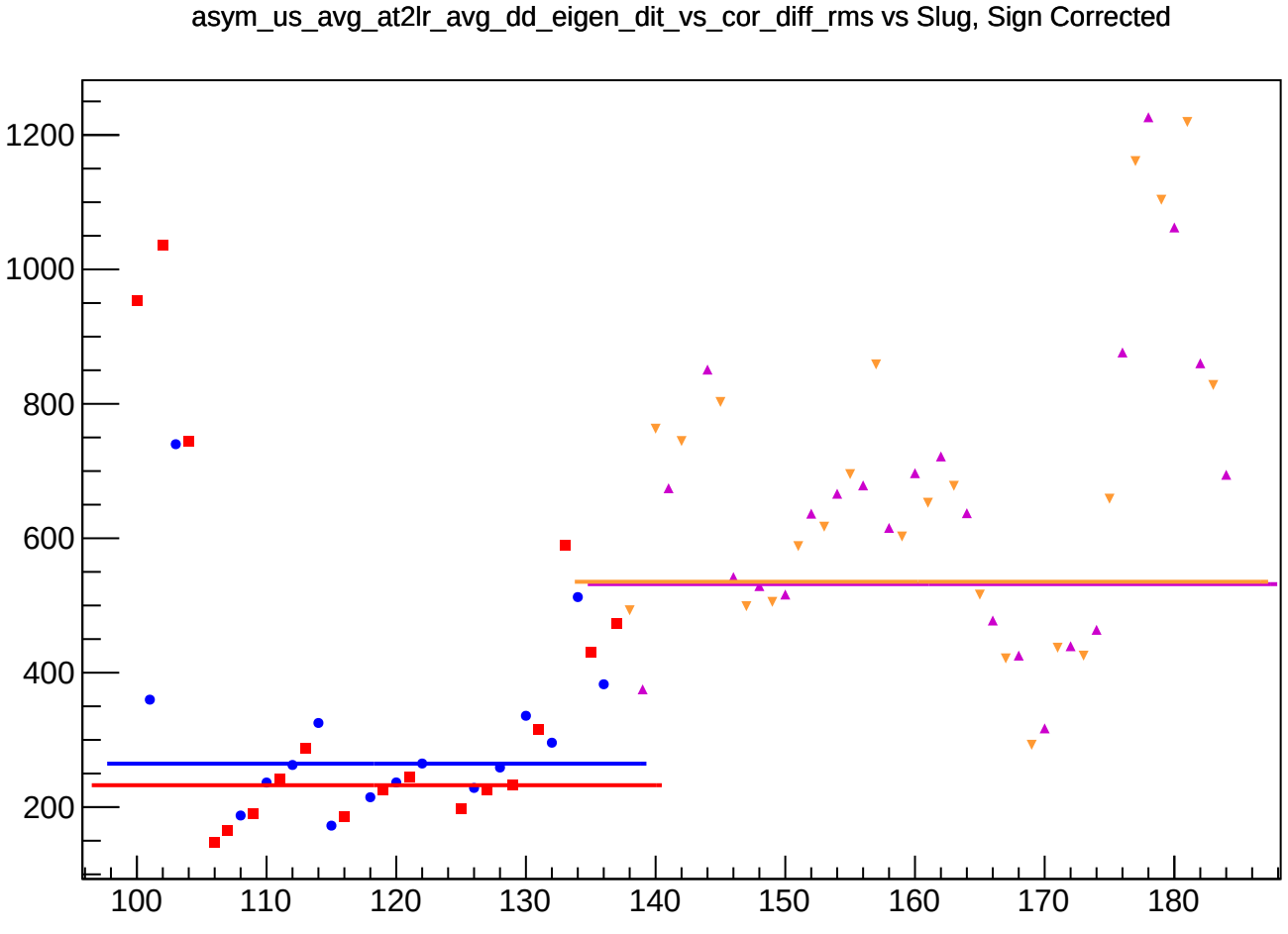
Left: 0.068+/-0.094 χ^2/NDF: 56.8/45

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

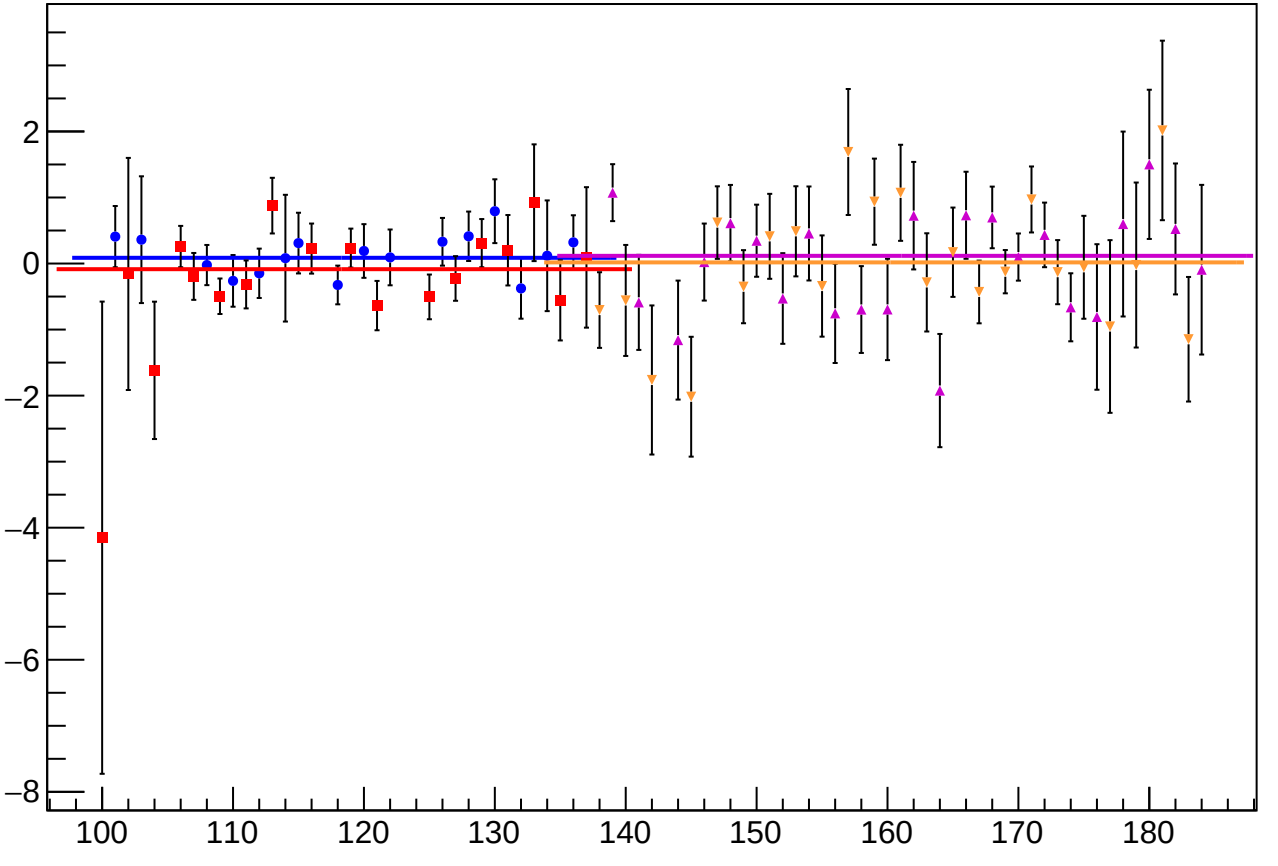
In: 0.098+/-0.082 χ^2/NDF:36.7/38

Out: -0.050+/-0.079 χ^2/NDF:50.9/40

All: 0.021+/-0.057 χ^2/NDF: 89.3/79


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 535.287+/-0.095 χ²/NDF:3936242.0/22
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
Left: 533.501+/-0.067 χ²/NDF: 7318228.2/45
Right: 247.407+/-0.050 χ²/NDF: 3416901.3/33
In: 367.829+/-0.058 χ²/NDF:9656549.0/38
Out: 336.519+/-0.056 χ²/NDF:12609083.4/40
All: 351.505+/-0.040 χ²/NDF: 22416469.9/79

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: 0.117+/-0.132 χ^2/NDF:27.8/22

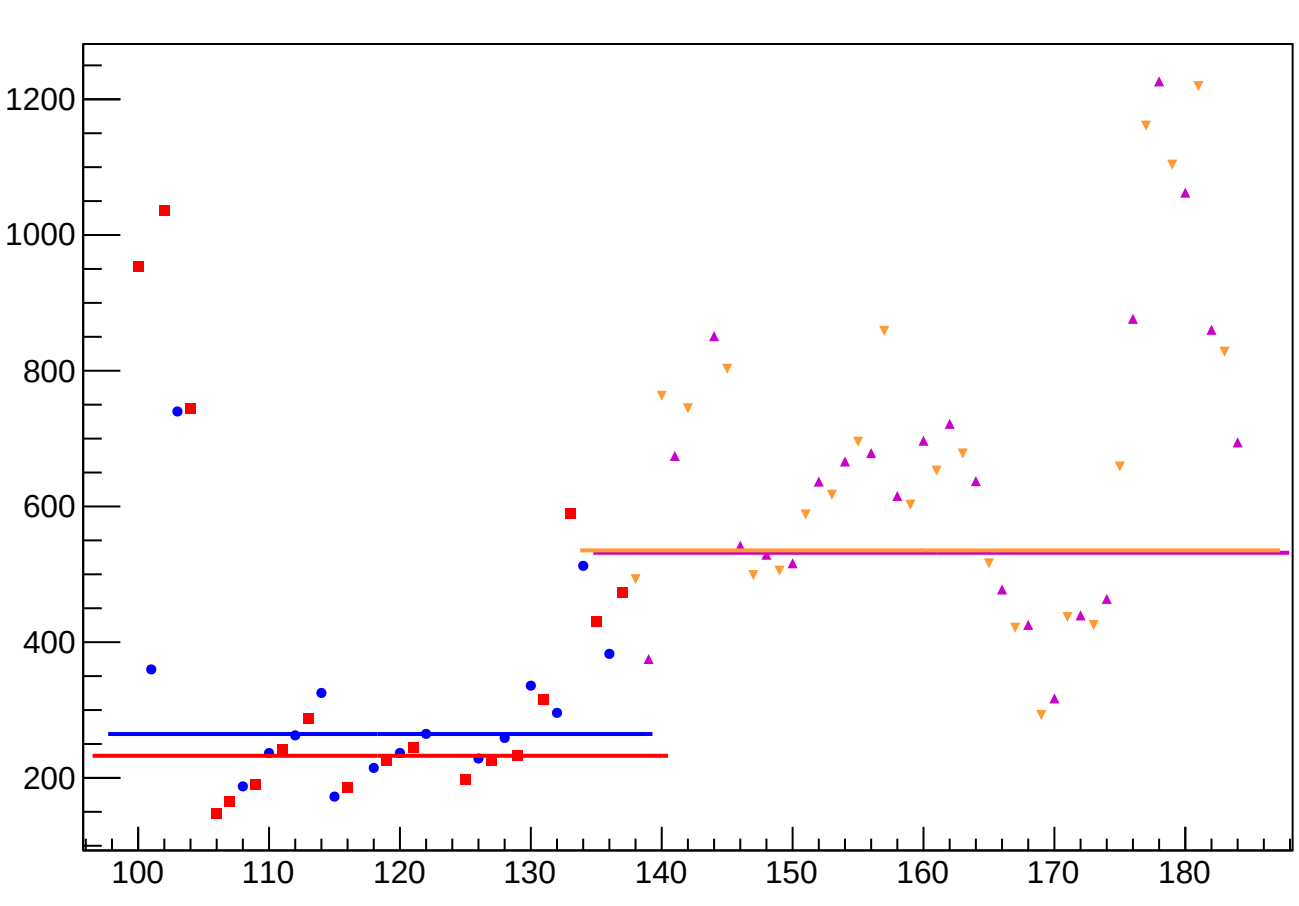
Left: 0.068+/-0.094 χ^2/NDF: 56.8/45

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.098+/-0.082 χ^2/NDF:36.7/38

Out: -0.050+/-0.079 χ^2/NDF:50.9/40

All: 0.021+/-0.057 χ^2/NDF: 89.3/79



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: 531.773+/-0.094 χ^2/NDF:3381293.8/22

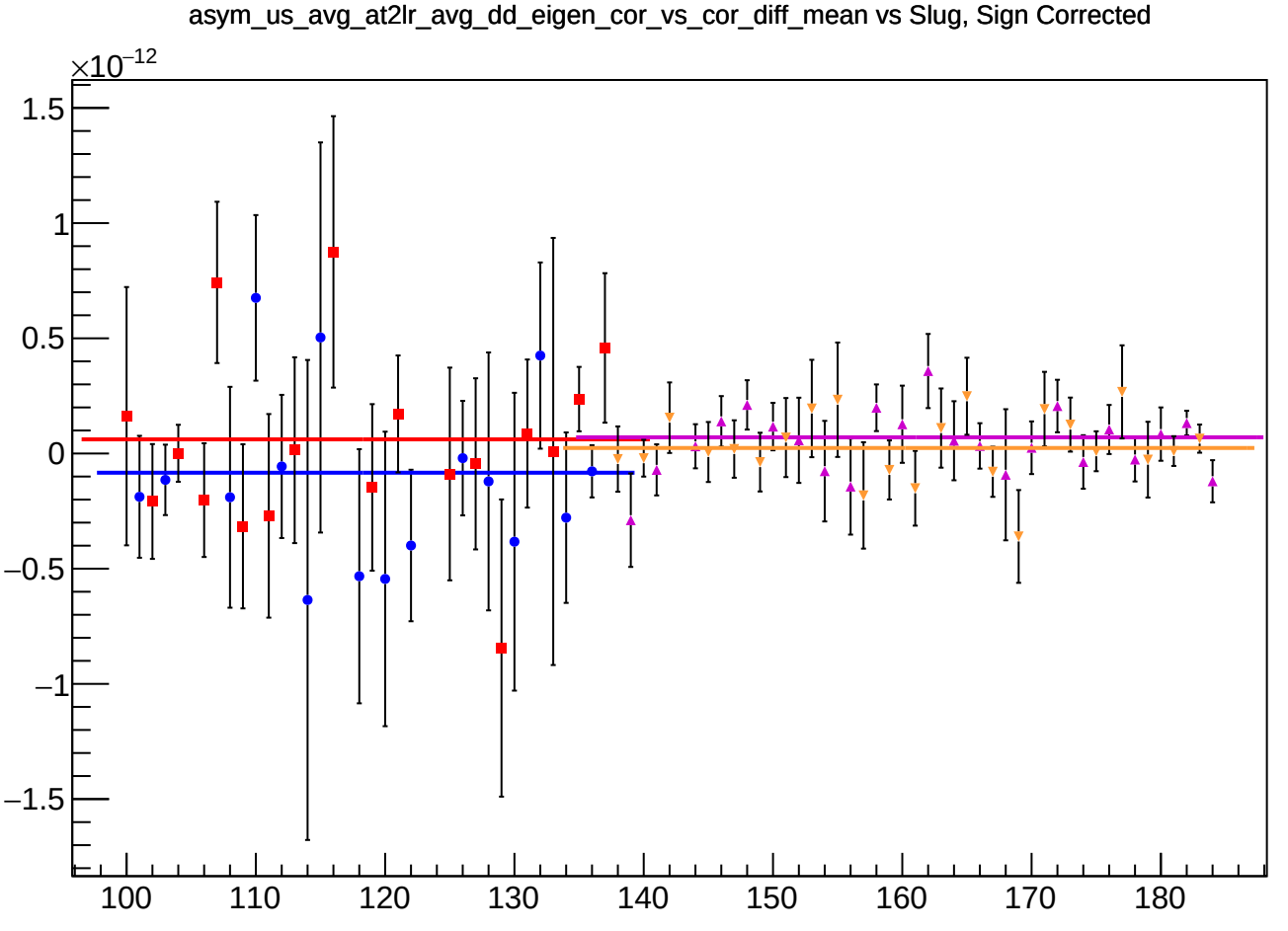
Left: 533.501+/-0.067 χ^2/NDF: 7318228.2/45

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 367.829+/-0.058 χ^2/NDF:9656549.0/38

Out: 336.519+/-0.056 χ^2/NDF:12609083.4/40

All: 351.505+/-0.040 χ^2/NDF: 22416469.9/79



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:23.4/22

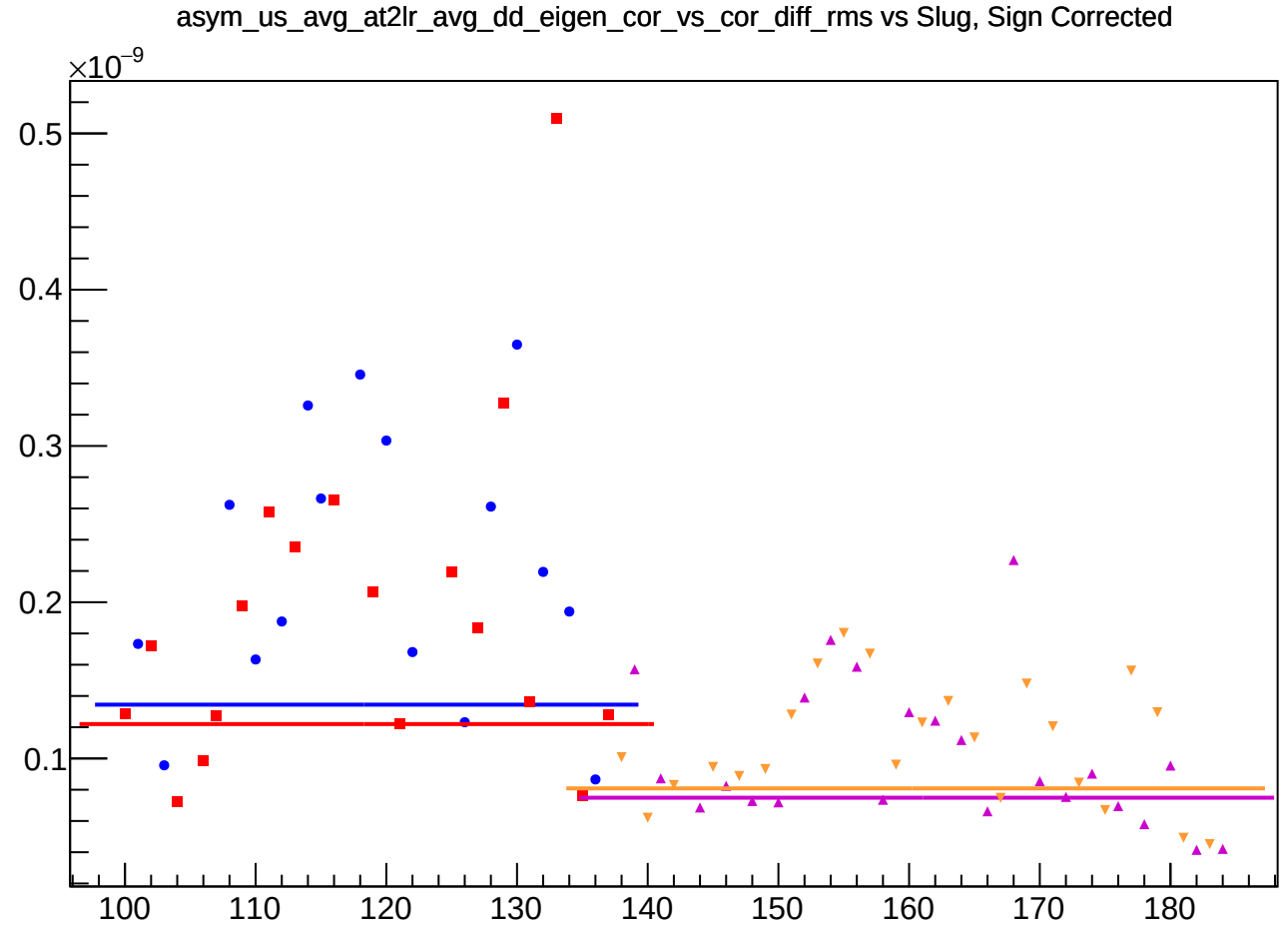
Left: 0.000+/-0.000 χ^2/NDF: 41.1/45

Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:37.6/38

Out: 0.000+/-0.000 χ^2/NDF:31.9/40

All: 0.000+/-0.000 χ^2/NDF: 70.1/79



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:3665599.9/22

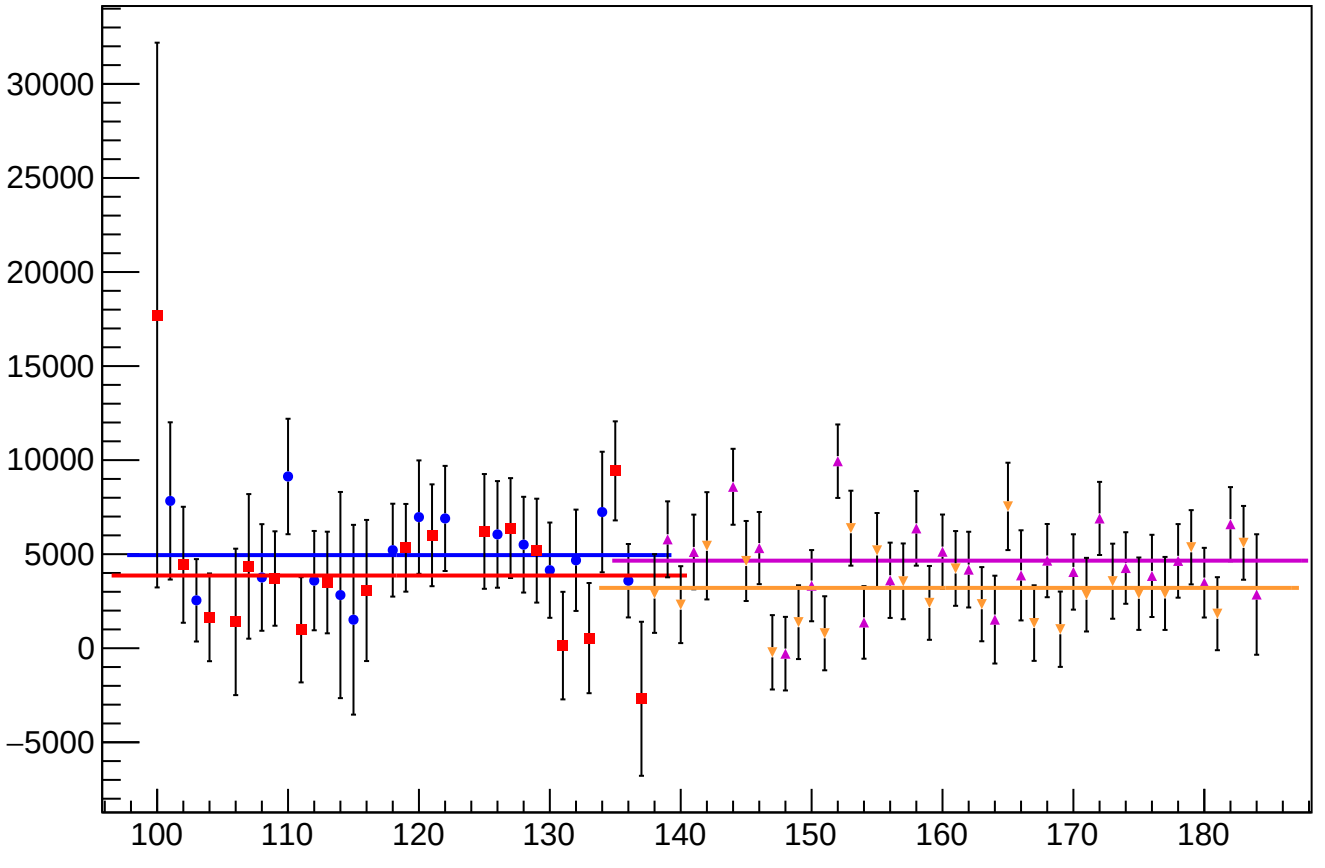
Left: 0.000+/-0.000 χ^2/NDF: 7432421.1/45

Right: 0.000+/-0.000 χ^2/NDF: 3852912.0/33

In: 0.000+/-0.000 χ^2/NDF:6818250.2/38

Out: 0.000+/-0.000 χ^2/NDF:6418268.1/40

All: 0.000+/-0.000 χ^2/NDF: 13289325.6/79



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: 4655.206+/-421.691 χ^2/NDF:27.7/22

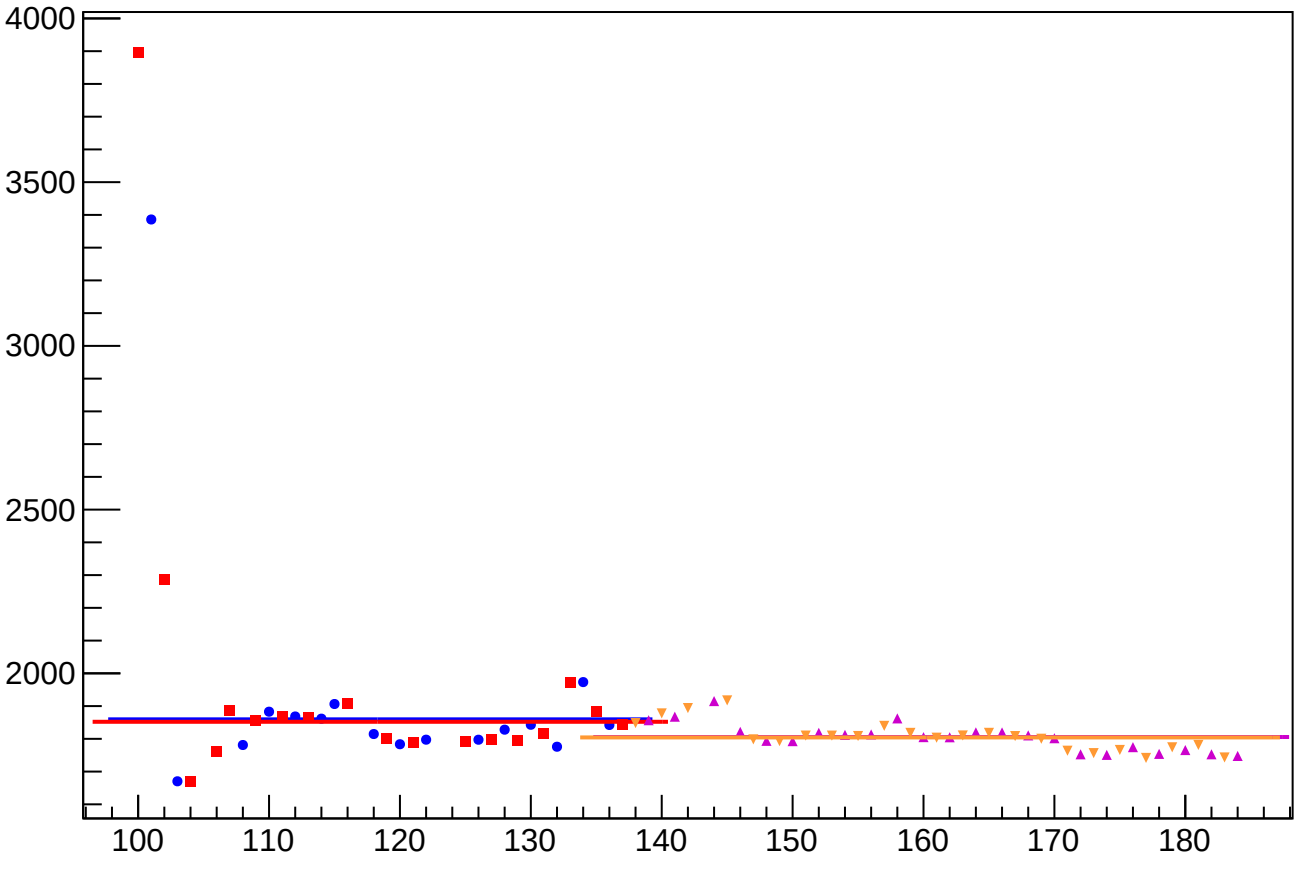
Left: 3931.545+/-298.236 χ^2/NDF: 53.3/45

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4733.963+/-361.065 χ^2/NDF:34.7/38

Out: 3384.158+/-360.725 χ^2/NDF:36.5/40

All: 4058.424+/-255.191 χ^2/NDF: 78.2/79



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: 1805.559+/-0.298 χ^2/NDF:19314.7/22

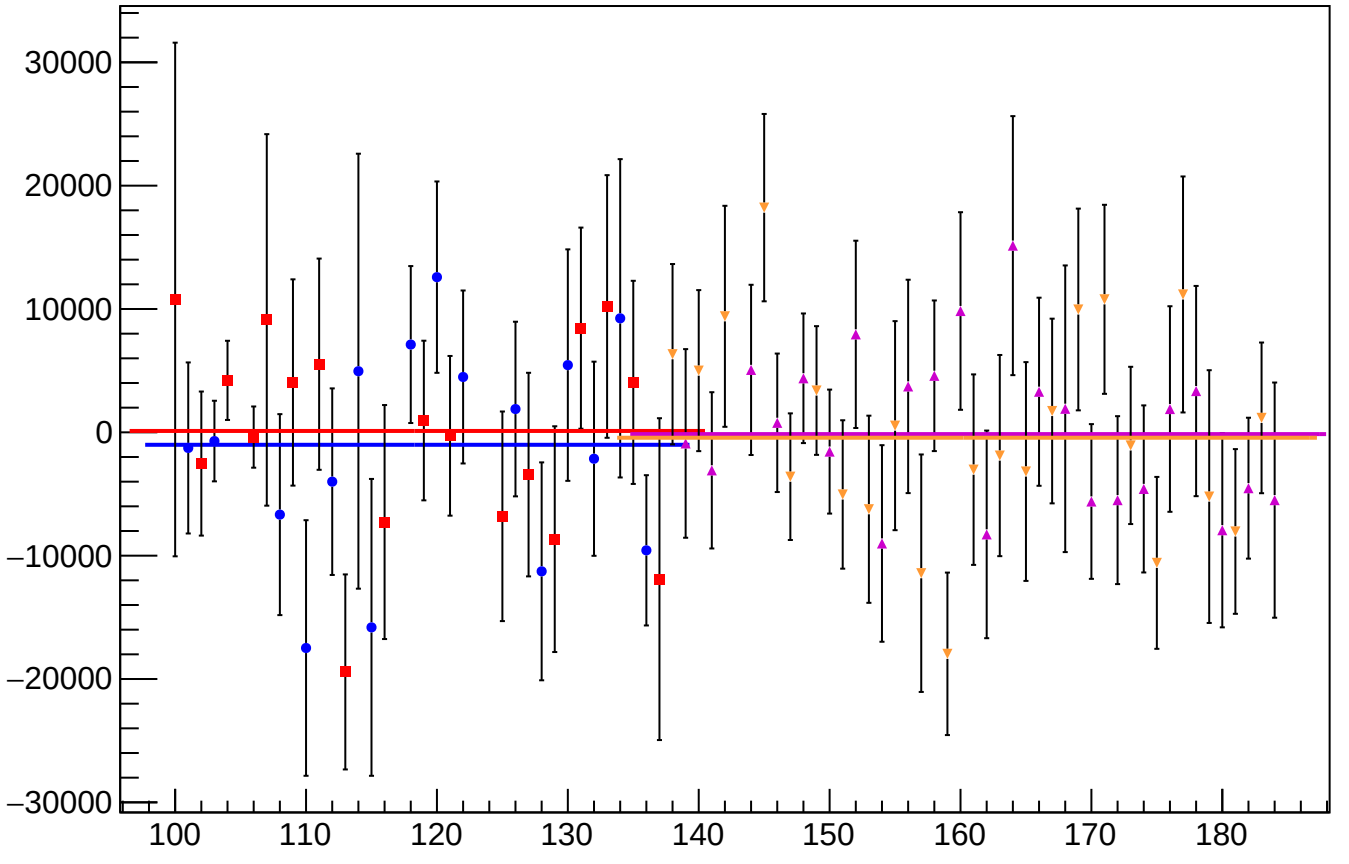
Left: 1804.927+/-0.211 χ^2/NDF: 38937.2/45

Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1819.956+/-0.255 χ^2/NDF:320385.7/38

Out: 1817.192+/-0.255 χ^2/NDF:128750.2/40

All: 1818.572+/-0.180 χ^2/NDF: 449194.6/79



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -438.310+/-1493.065 χ^2/NDF:28.5/22

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

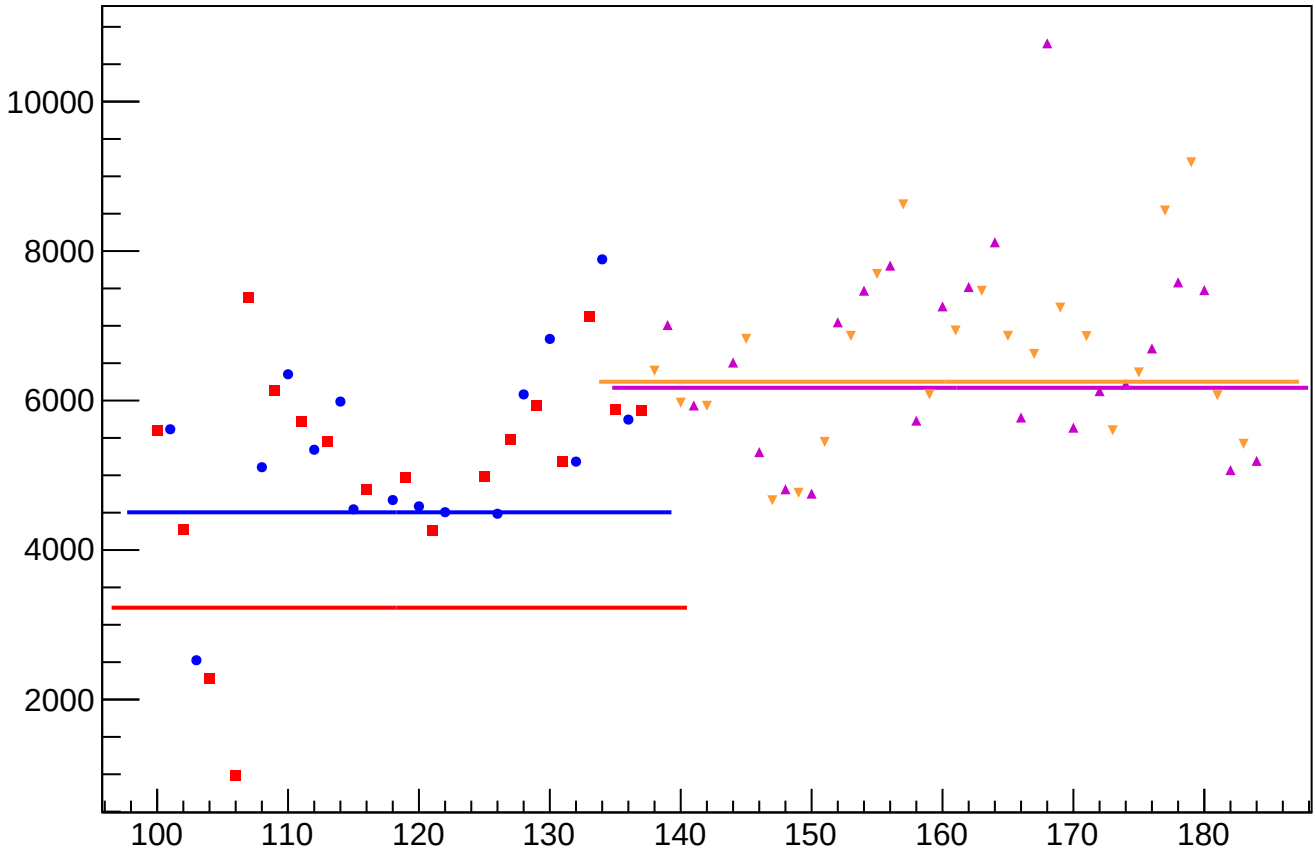
Left: -288.714+/-1048.002 χ^2/NDF: 42.1/45

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -499.051+/-1129.954 χ^2/NDF:28.4/38

Out: -153.301+/-1035.932 χ^2/NDF:43.2/40

All: -311.195+/-763.594 χ^2/NDF: 71.7/79



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: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

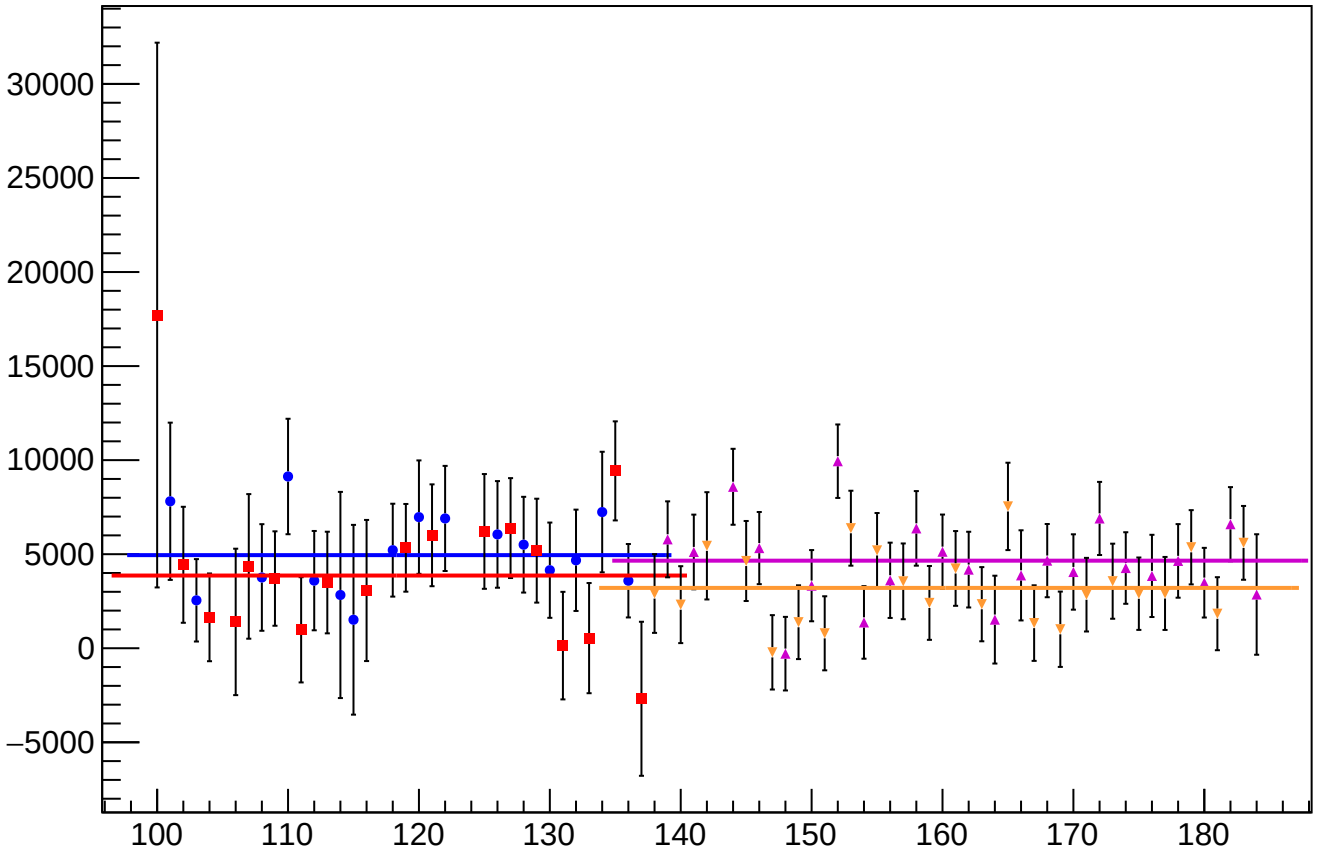
Left: 6210.718+/-0.741 χ^2/NDF: 2297312.6/45

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5487.334+/-0.799 χ^2/NDF:3610555.5/38

Out: 4683.982+/-0.733 χ^2/NDF:9265694.1/40

All: 5050.850+/-0.540 χ^2/NDF: 13425516.7/7



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: 4655.225+/-421.691 χ^2/NDF:27.7/22

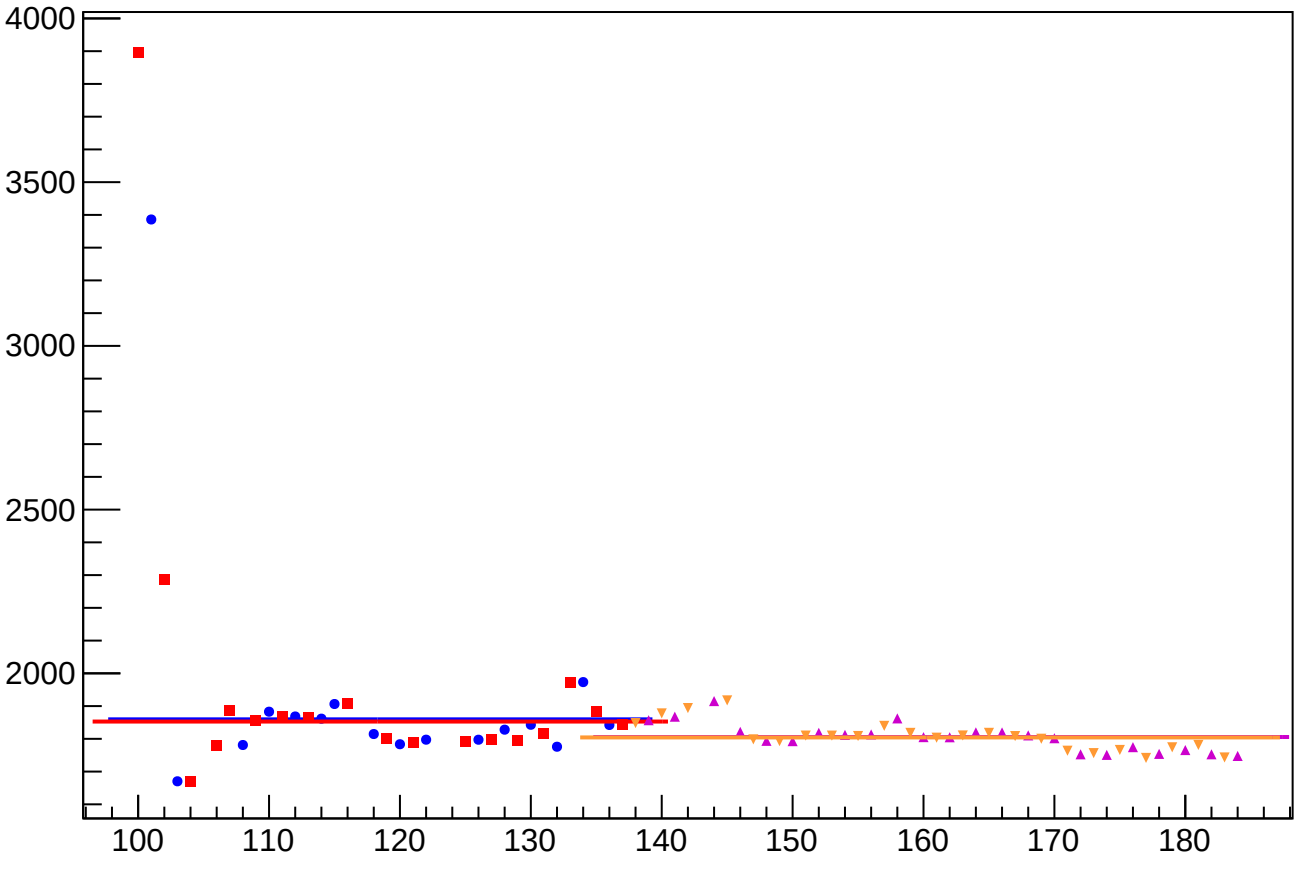
Left: 3931.525+/-298.236 χ^2/NDF: 53.3/45

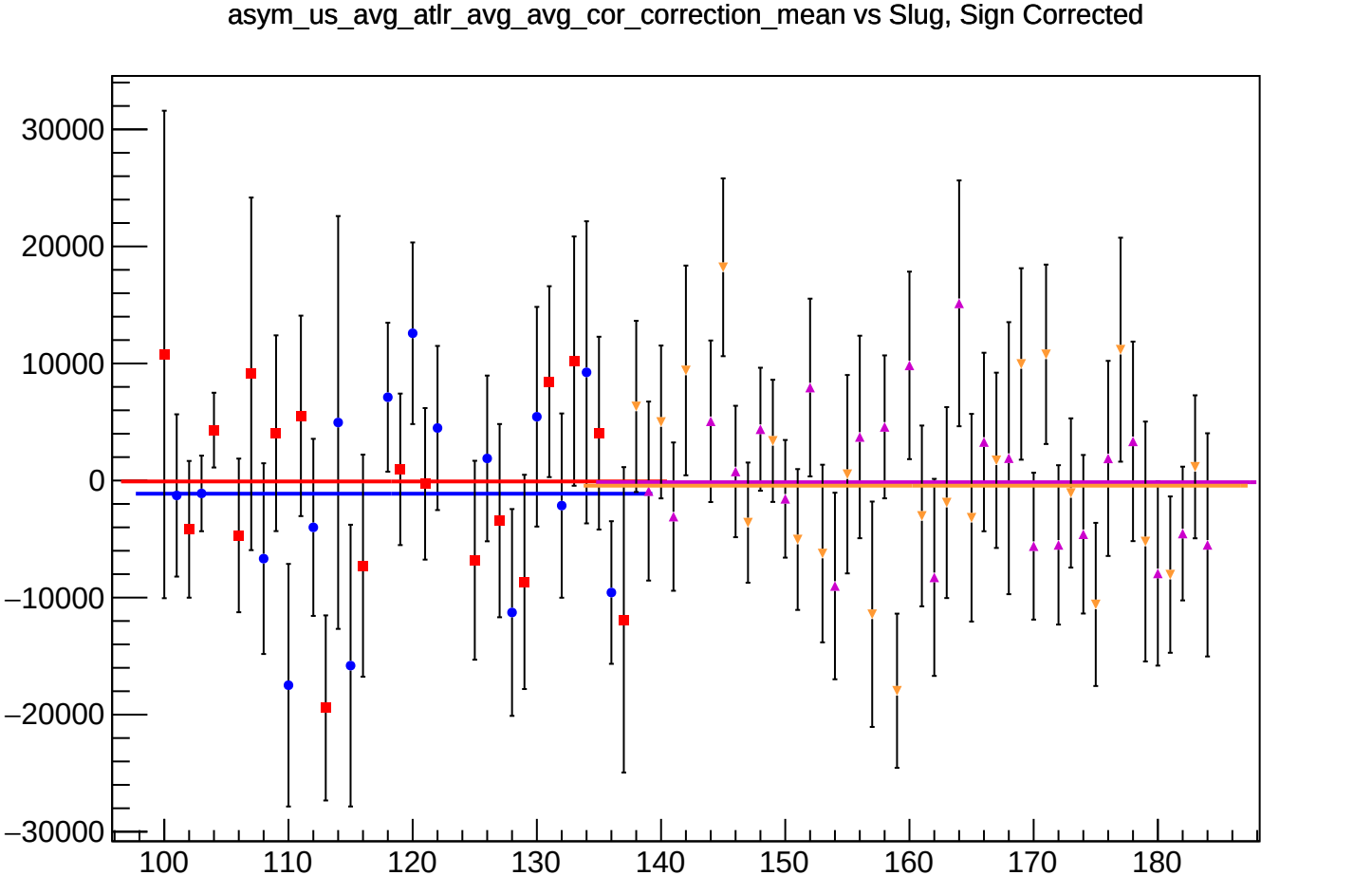
Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4733.848+/-361.065 χ^2/NDF:34.7/38

Out: 3384.056+/-360.725 χ^2/NDF:36.5/40

All: 4058.316+/-255.192 χ^2/NDF: 78.2/79


cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
180
Right In: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1804.295+/-0.298 χ²/NDF:19613.6/22
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1805.559+/-0.298 χ²/NDF:19314.6/22
Left: 1804.927+/-0.211 χ²/NDF: 38937.2/45
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1819.956+/-0.255 χ²/NDF:320387.5/38
Out: 1817.377+/-0.255 χ²/NDF:128490.9/40
All: 1818.664+/-0.180 χ²/NDF: 448929.6/79



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: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -288.679+/-1048.002 χ^2/NDF: 42.1/45

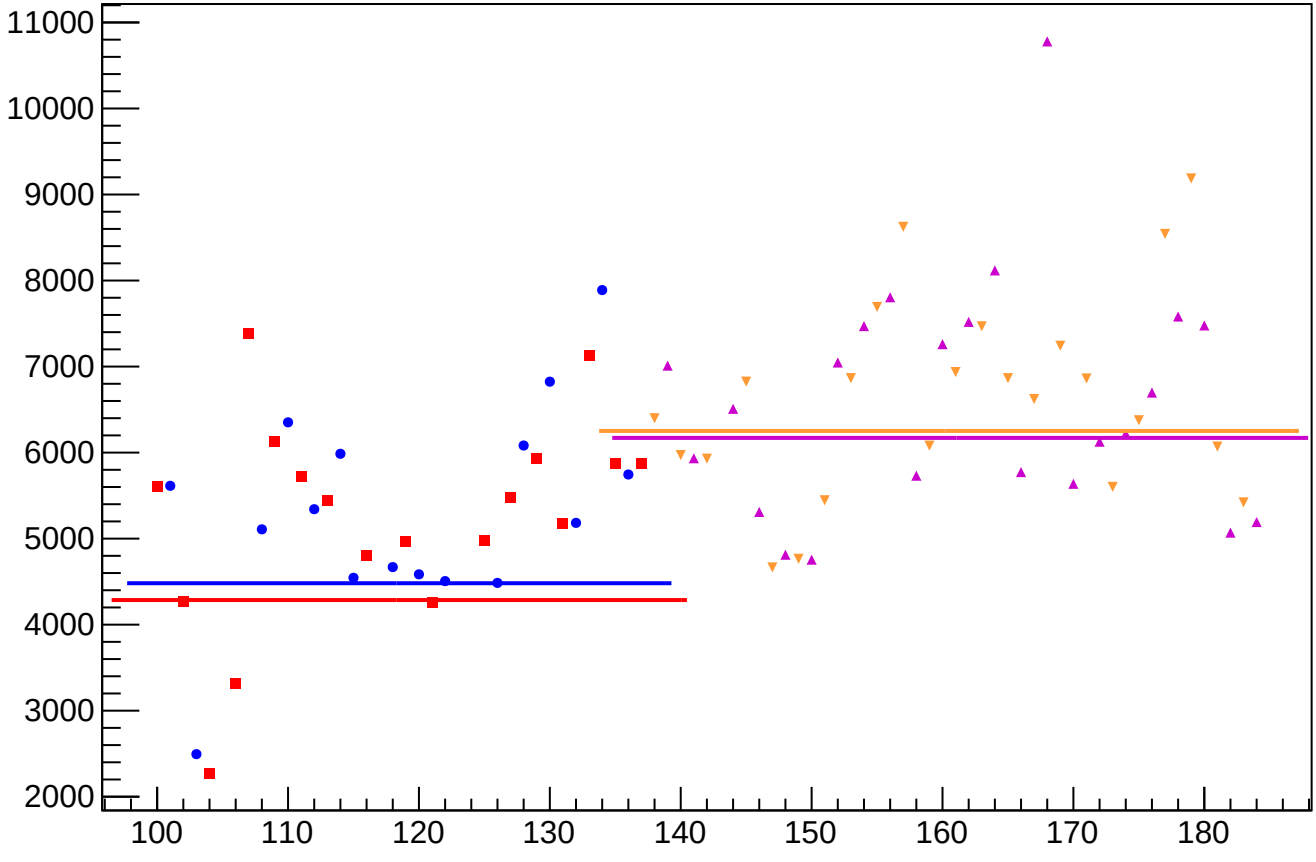
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -548.006+/-1128.292 χ^2/NDF:28.5/38

Out: -281.778+/-1122.525 χ^2/NDF:44.1/40

All: -414.210+/-795.776 χ^2/NDF: 72.6/79

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: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

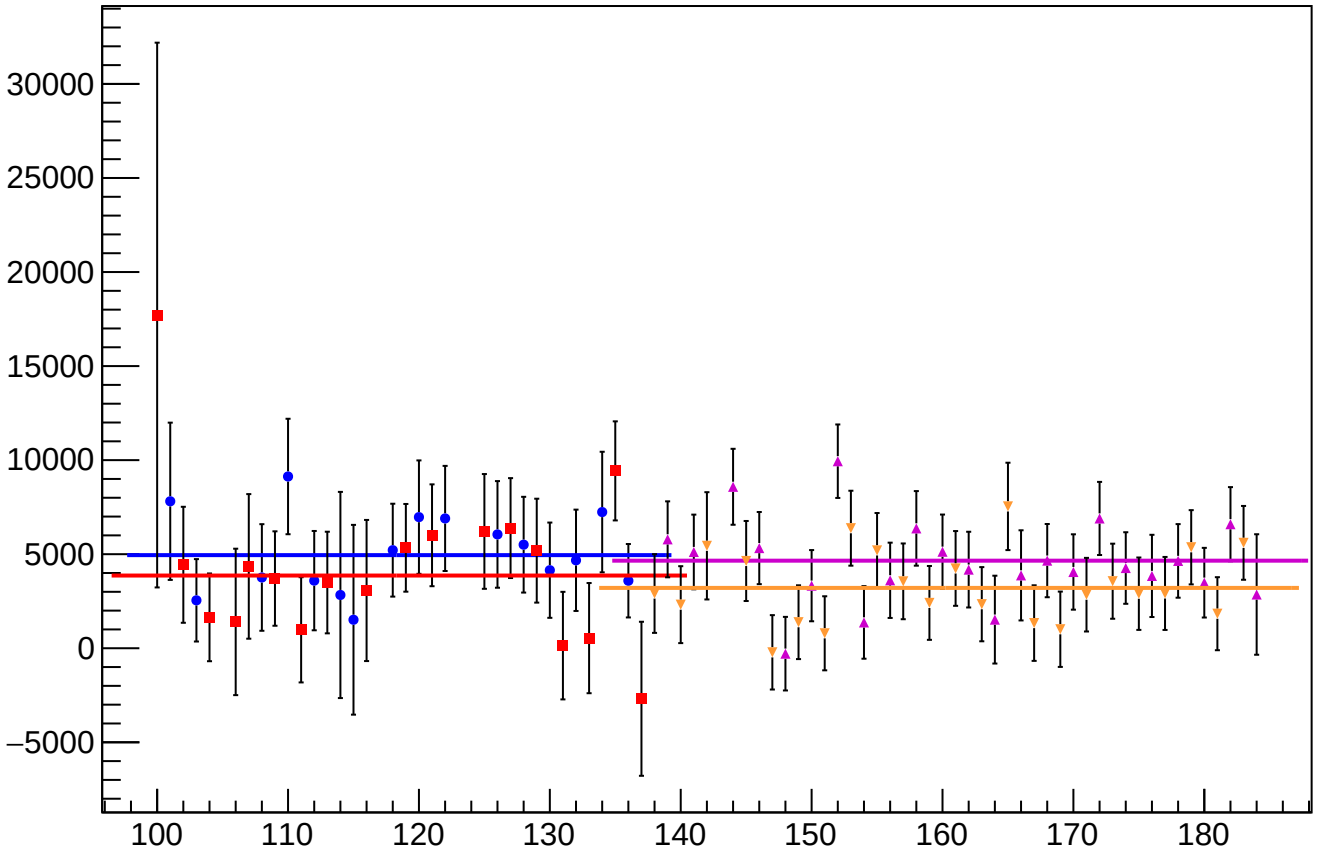
Left: 6210.716+/-0.741 χ^2/NDF: 2297329.6/45

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5474.858+/-0.798 χ^2/NDF:3685871.9/38

Out: 5397.225+/-0.794 χ^2/NDF:4113775.2/40

All: 5435.843+/-0.563 χ^2/NDF: 7804405.7/79



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: 4655.225+/-421.691 χ^2/NDF:27.7/22

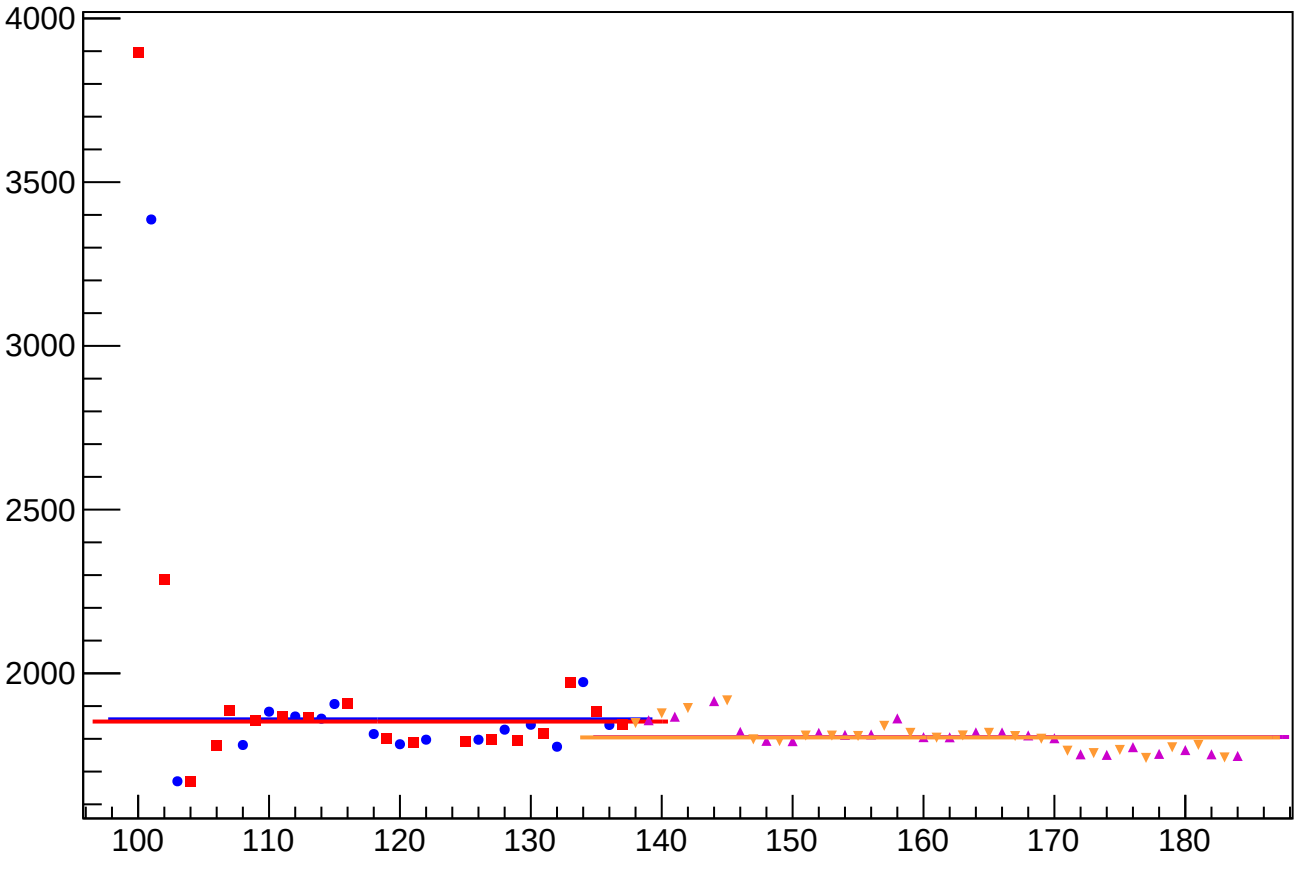
Left: 3931.525+/-298.236 χ^2/NDF: 53.3/45

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4733.848+/-361.065 χ^2/NDF:34.7/38

Out: 3384.056+/-360.725 χ^2/NDF:36.5/40

All: 4058.316+/-255.192 χ^2/NDF: 78.2/79



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: 1805.559+/-0.298 χ^2/NDF:19314.6/22

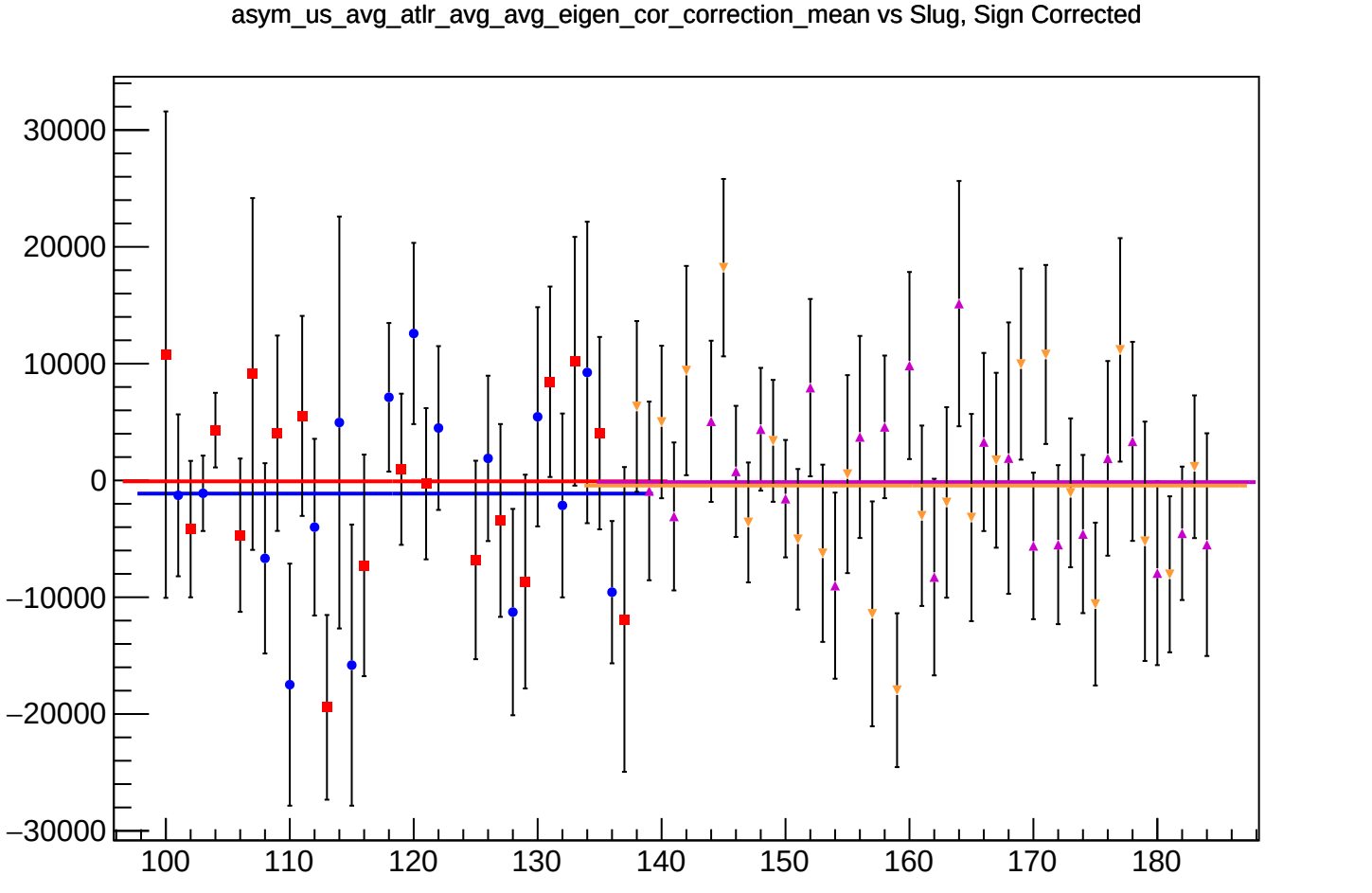
Left: 1804.927+/-0.211 χ^2/NDF: 38937.2/45

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1819.956+/-0.255 χ^2/NDF:320387.5/38

Out: 1817.377+/-0.255 χ^2/NDF:128490.9/40

All: 1818.664+/-0.180 χ^2/NDF: 448929.6/79



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: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -288.679+/-1048.002 χ^2/NDF: 42.1/45

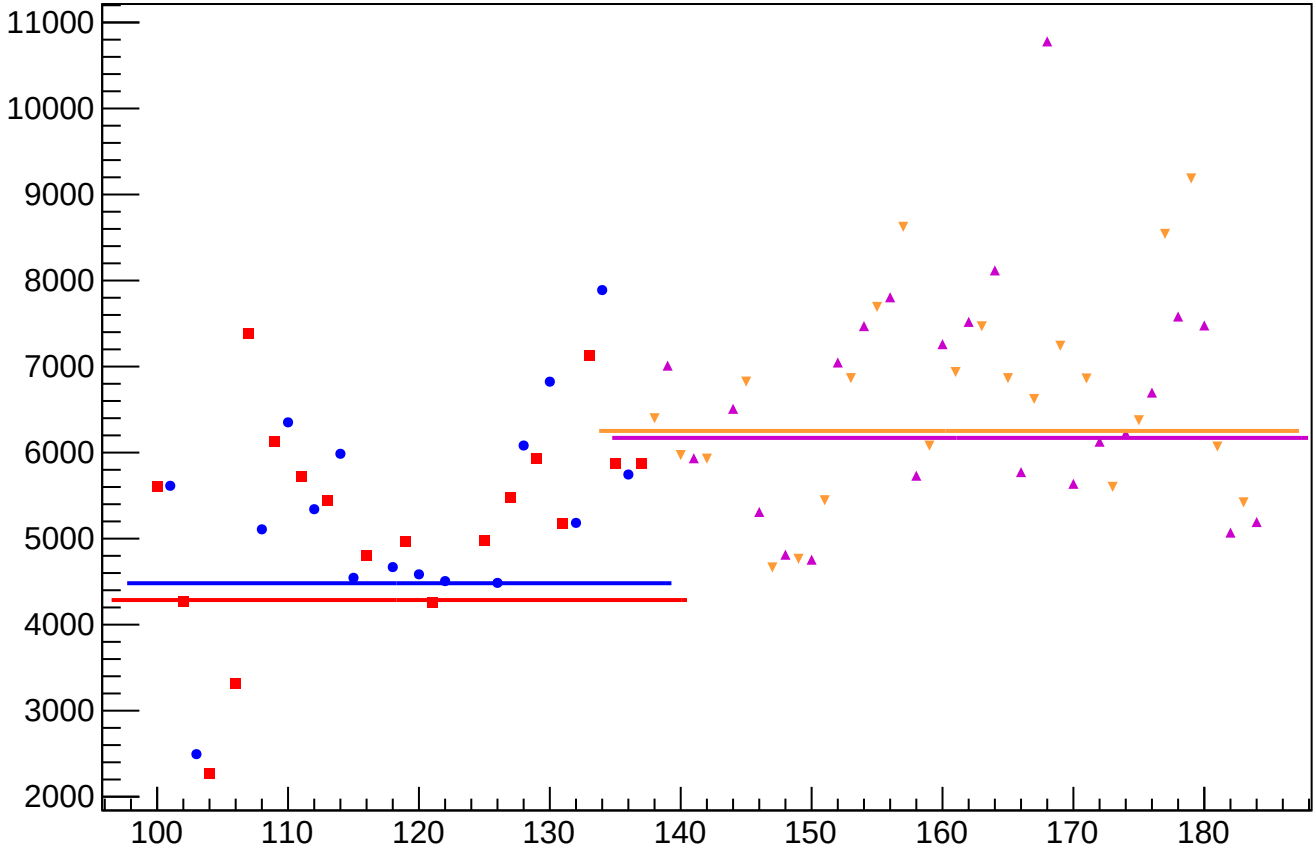
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -548.006+/-1128.292 χ^2/NDF:28.5/38

Out: -281.778+/-1122.525 χ^2/NDF:44.1/40

All: -414.210+/-795.776 χ^2/NDF: 72.6/79

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: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

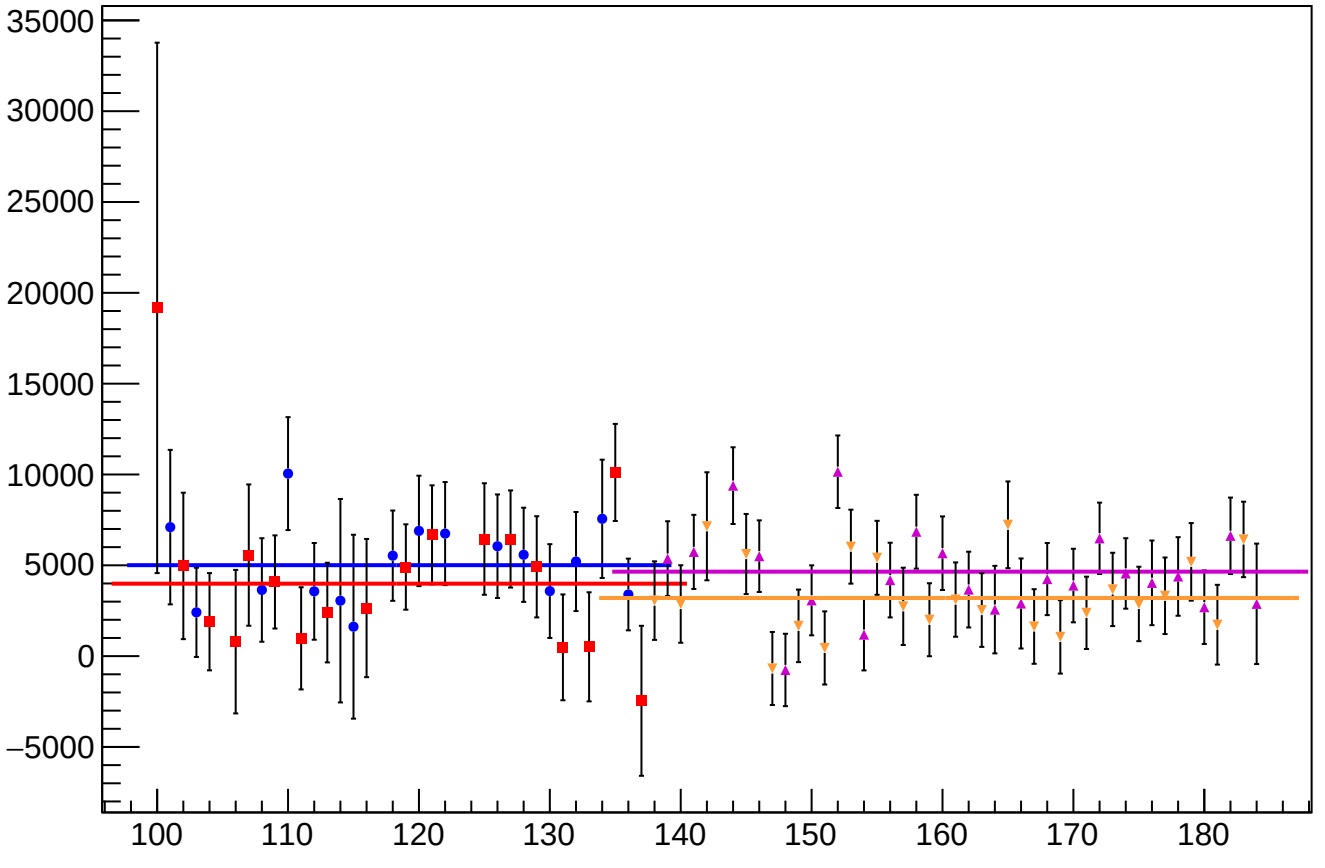
Left: 6210.716+/-0.741 χ^2/NDF: 2297329.6/45

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5474.858+/-0.798 χ^2/NDF:3685871.9/38

Out: 5397.225+/-0.794 χ^2/NDF:4113775.2/40

All: 5435.843+/-0.563 χ^2/NDF: 7804405.7/79



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: 4650.461+/-436.198 χ^2/NDF:30.5/22

Left: 3929.085+/-309.155 χ^2/NDF: 57.4/45

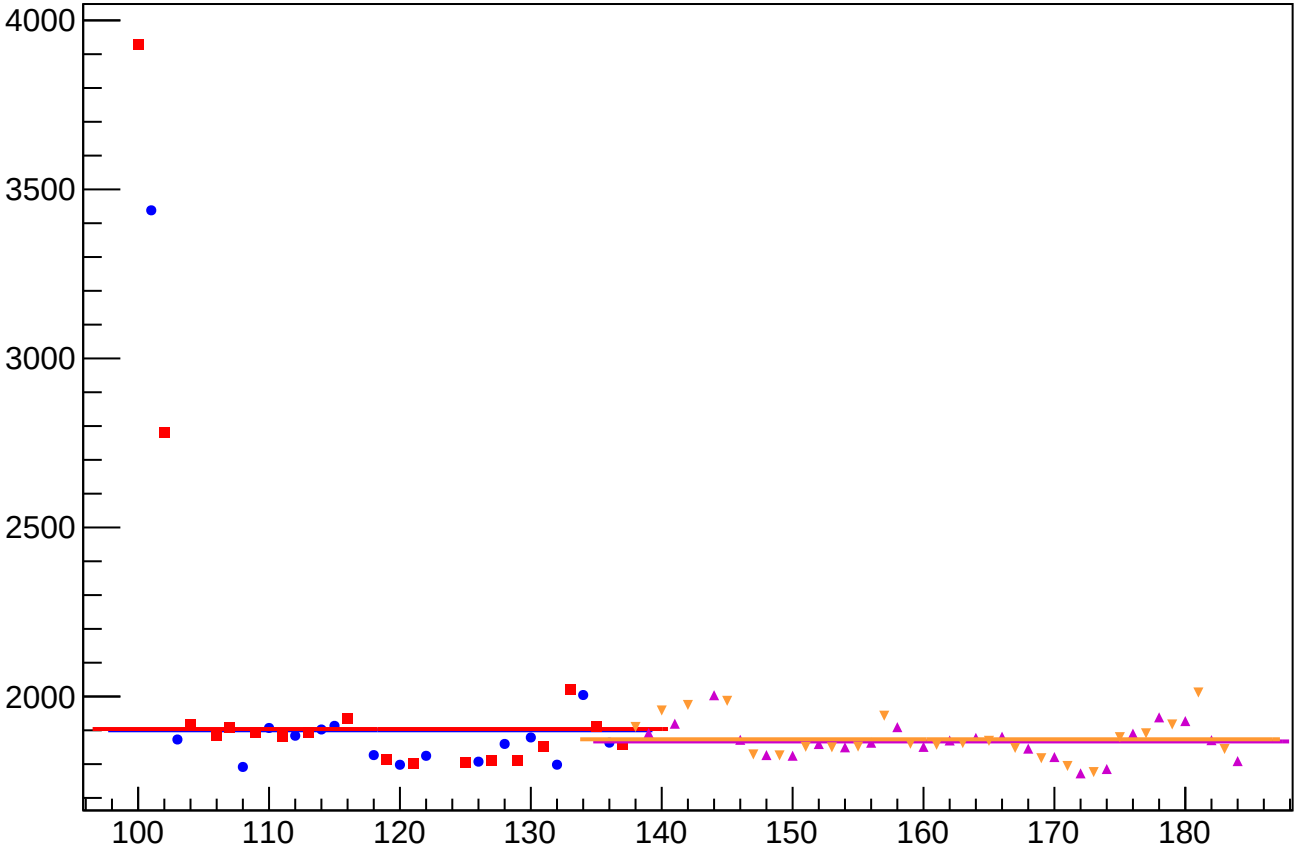
Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4747.437+/-372.240 χ^2/NDF:38.4/38

Out: 3414.462+/-374.206 χ^2/NDF:39.6/40

All: 4084.460+/-263.906 χ^2/NDF: 84.3/79

dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



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: 1867.079+/-0.308 χ^2/NDF:27246.7/22

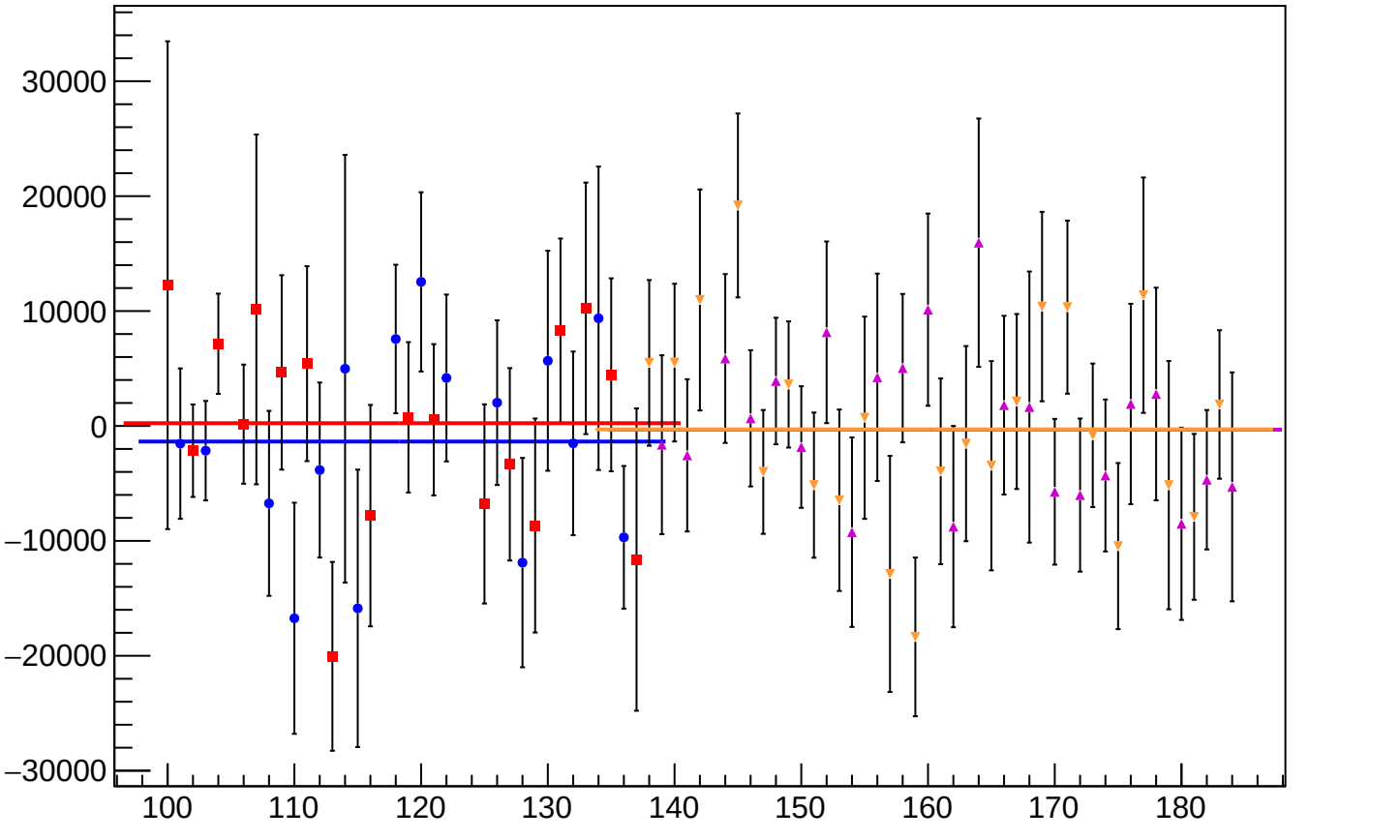
Left: 1870.261+/-0.219 χ^2/NDF: 63118.2/45

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

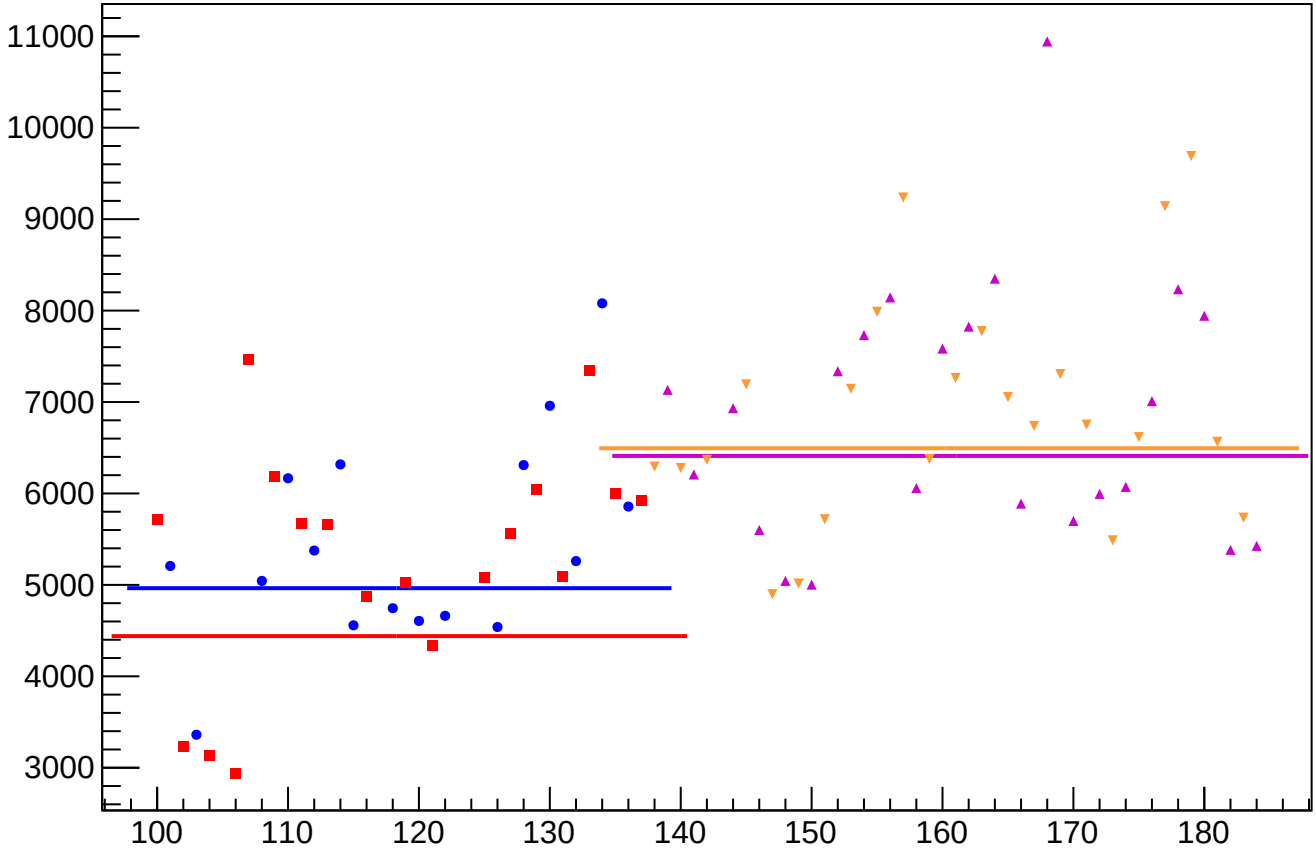
In: 1876.056+/-0.263 χ^2/NDF:308811.8/38

Out: 1881.708+/-0.265 χ^2/NDF:188376.3/40

All: 1878.868+/-0.187 χ^2/NDF: 497417.5/79


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: -324.625+/-1527.995 χ²/NDF:13.4/22
Left: -310.260+/-1088.429 χ²/NDF: 41.4/45
Right: -476.778+/-1270.927 χ²/NDF: 30.8/33
In: -730.972+/-1189.727 χ²/NDF:28.3/38
Out: -53.708+/-1149.563 χ²/NDF:43.8/40
All: -380.716+/-826.698 χ²/NDF: 72.3/79

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: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

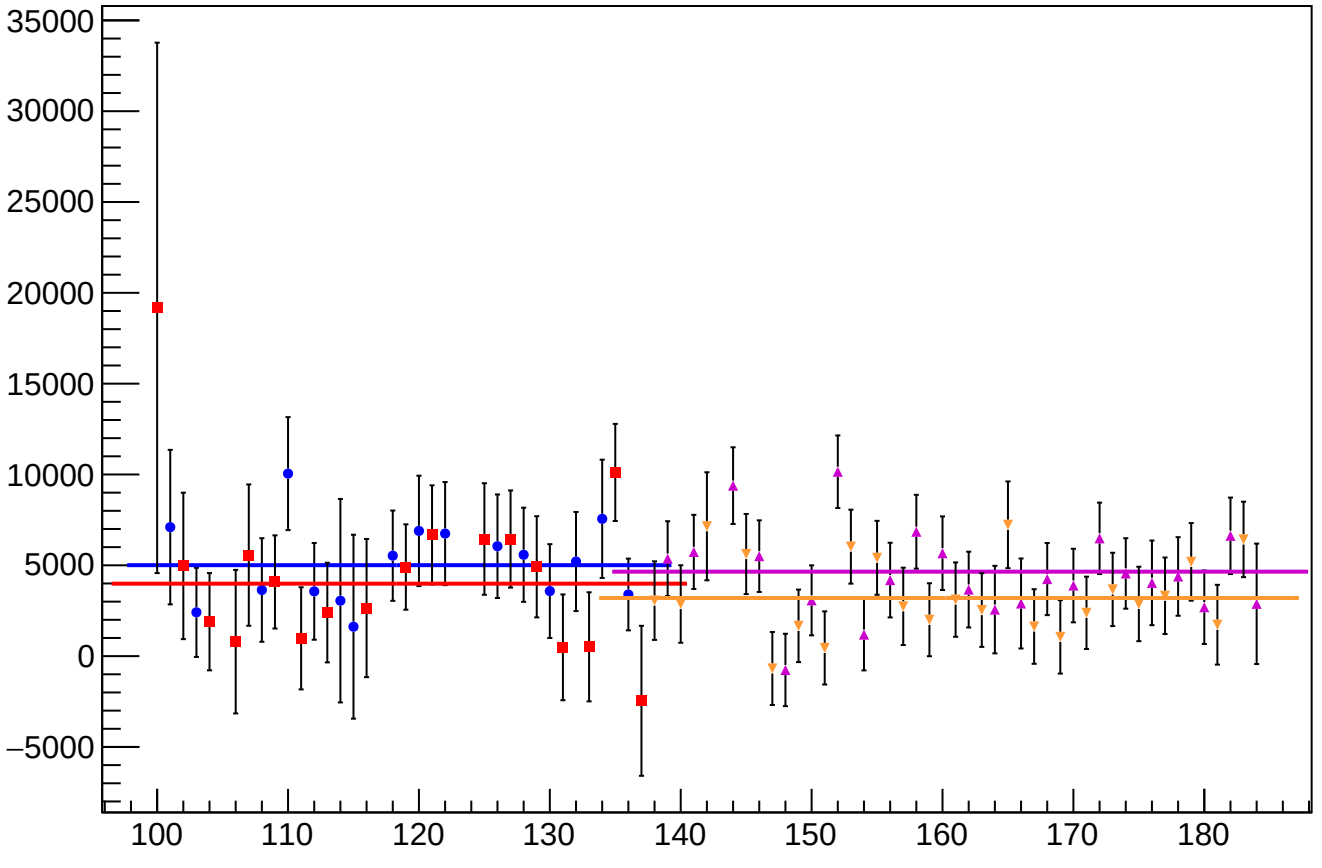
Left: 6451.968+/-0.770 χ^2/NDF: 2290720.7/45

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5840.888+/-0.841 χ^2/NDF:2552870.7/38

Out: 5568.910+/-0.813 χ^2/NDF:3808714.2/40

All: 5700.231+/-0.585 χ^2/NDF: 6415639.3/79



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: 4650.462+/-436.198 χ^2/NDF:30.5/22

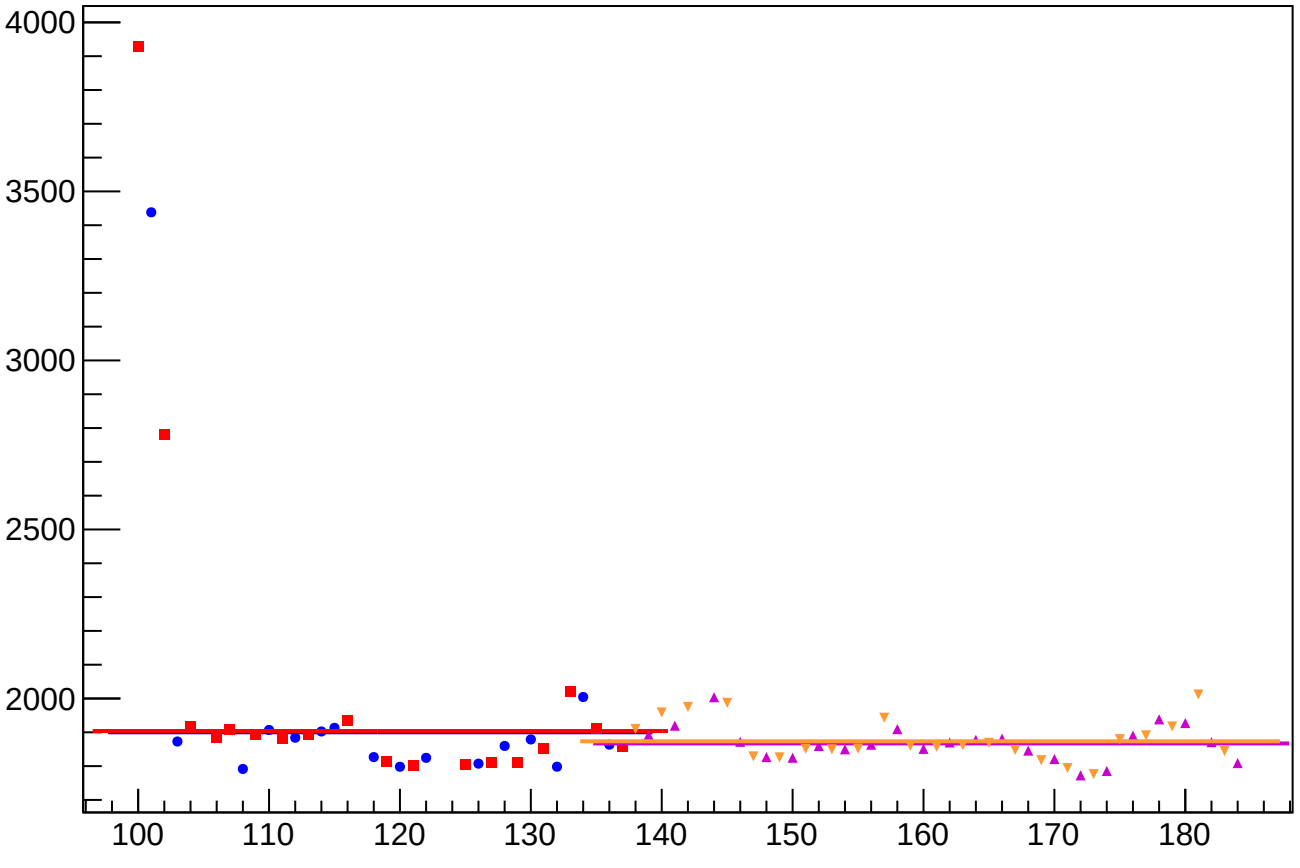
Left: 3929.082+/-309.155 χ^2/NDF: 57.4/45

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4747.438+/-372.240 χ^2/NDF:38.4/38

Out: 3414.457+/-374.206 χ^2/NDF:39.6/40

All: 4084.458+/-263.906 χ^2/NDF: 84.3/79



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: 1867.080+/-0.308 χ^2/NDF:27247.8/22

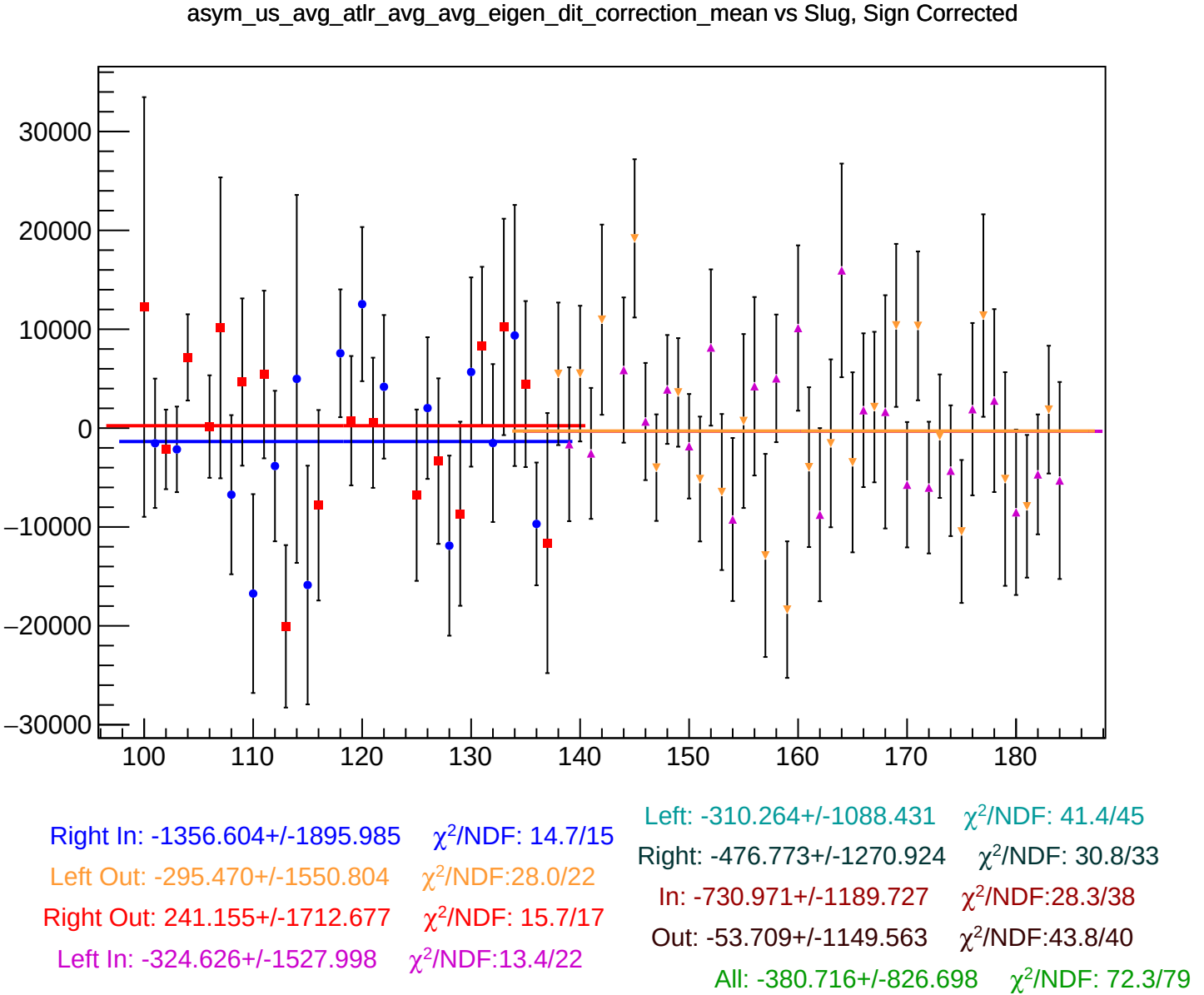
Left: 1870.263+/-0.219 χ^2/NDF: 63120.4/45

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

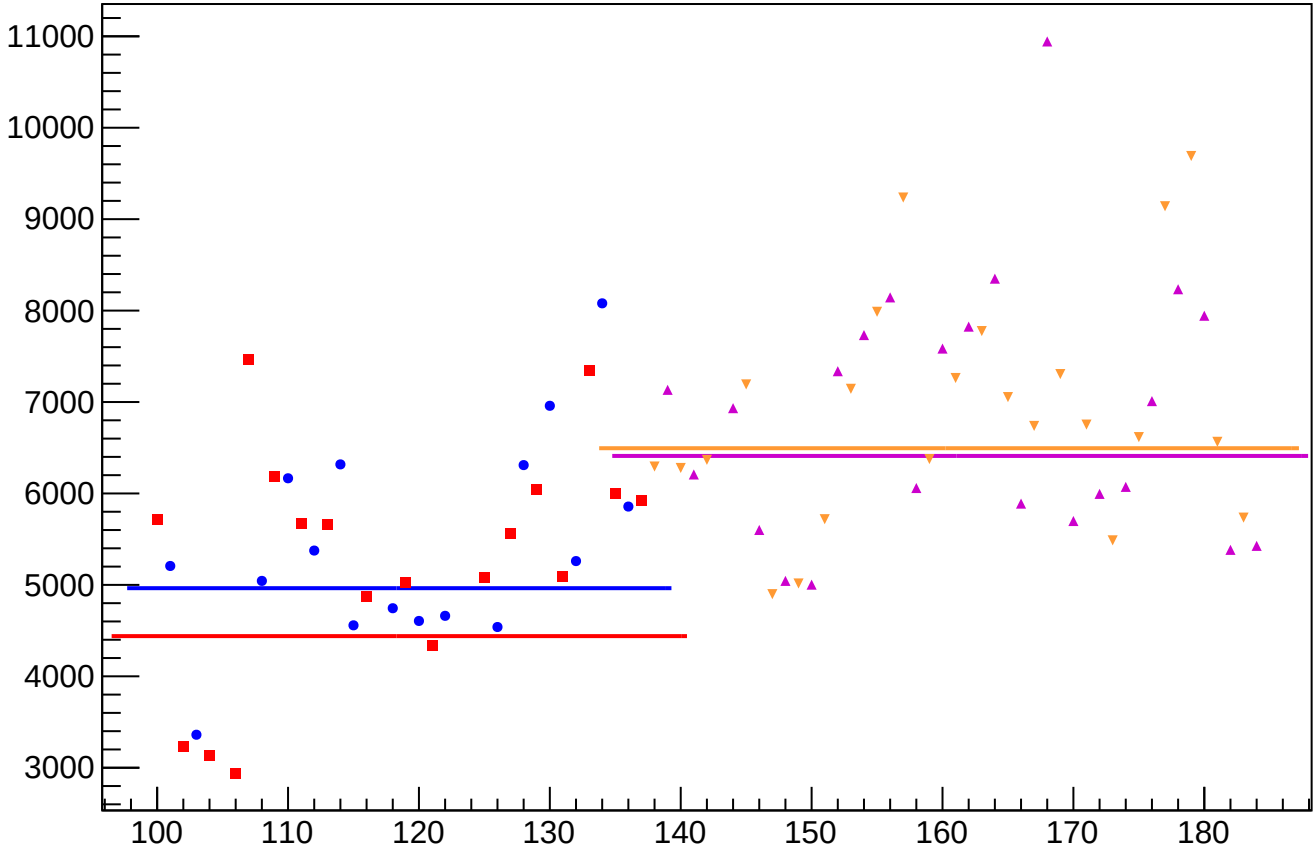
In: 1876.056+/-0.263 χ^2/NDF:308812.8/38

Out: 1881.709+/-0.265 χ^2/NDF:188376.3/40

All: 1878.869+/-0.187 χ^2/NDF: 497418.6/79


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: -295.470+/-1550.804 χ²/NDF:28.0/22
Right Out: 241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: -324.626+/-1527.998 χ²/NDF:13.4/22
Left: -310.264+/-1088.431 χ²/NDF: 41.4/45
Right: -476.773+/-1270.924 χ²/NDF: 30.8/33
In: -730.971+/-1189.727 χ²/NDF:28.3/38
Out: -53.709+/-1149.563 χ²/NDF:43.8/40
All: -380.716+/-826.698 χ²/NDF: 72.3/79

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: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

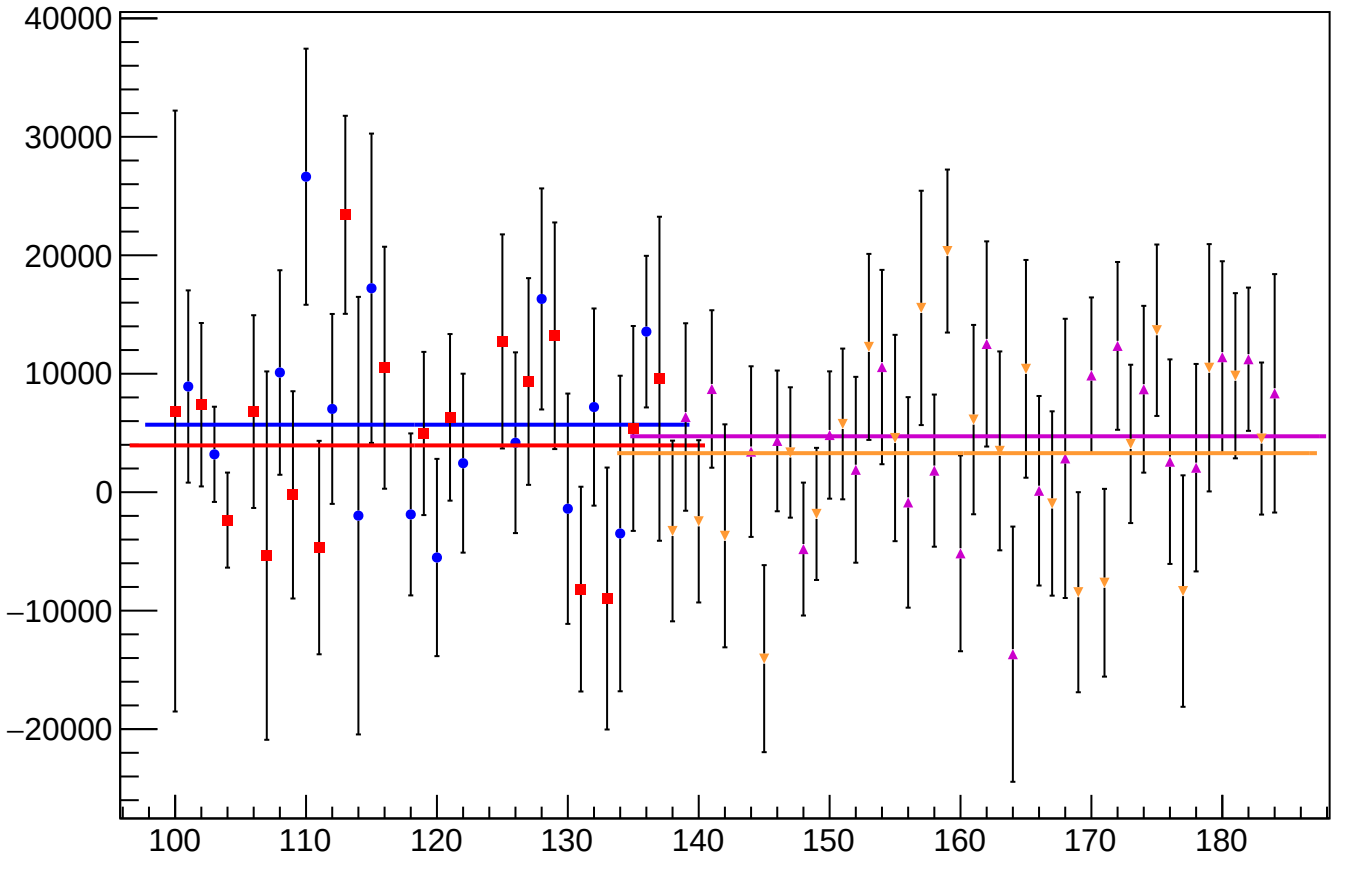
Left: 6451.979+/-0.770 χ^2/NDF: 2290726.3/45

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5840.887+/-0.841 χ^2/NDF:2552900.1/38

Out: 5568.907+/-0.813 χ^2/NDF:3808752.2/40

All: 5700.228+/-0.585 χ^2/NDF: 6415707.4/79



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 3294.968+/-1560.637 χ^2/NDF:26.6/22

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

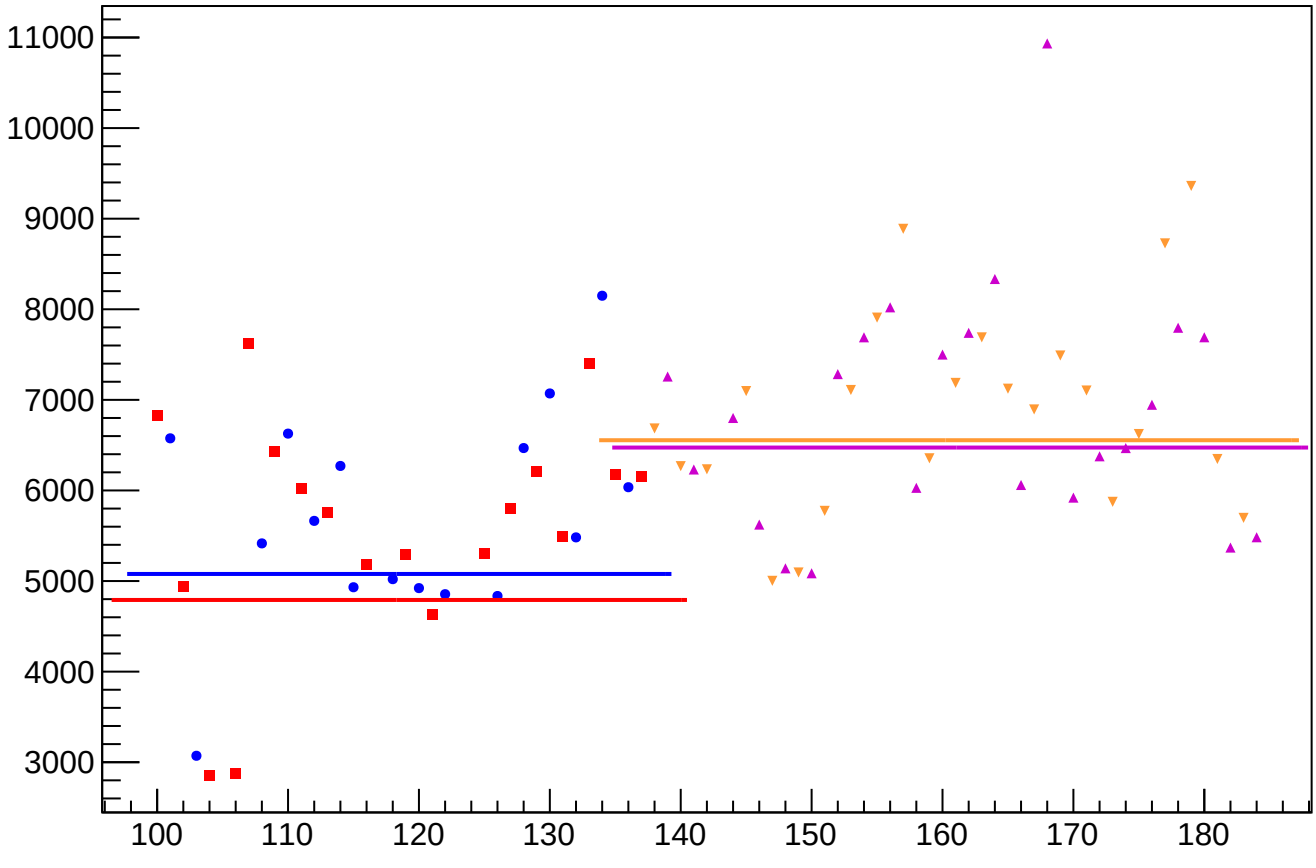
Left: 4017.113+/-1095.871 χ^2/NDF: 41.3/45

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 5092.658+/-1210.345 χ^2/NDF:27.1/38

Out: 3555.232+/-1211.182 χ^2/NDF:42.8/40

All: 4324.476+/-856.139 χ^2/NDF: 70.6/79



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6554.388+/-1.104 χ^2/NDF:909913.8/22

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

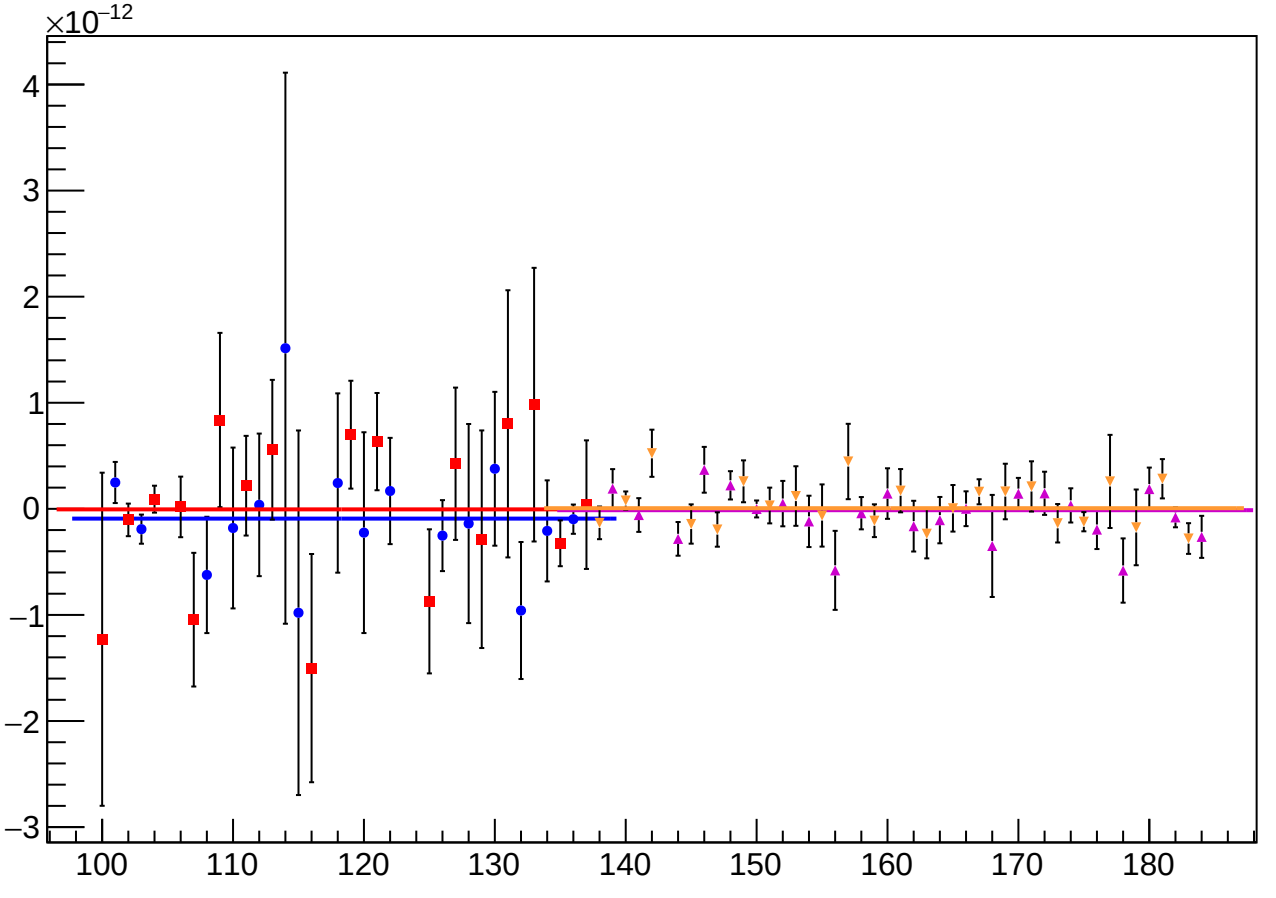
Left: 6513.374+/-0.775 χ^2/NDF: 1984395.9/45

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5940.958+/-0.856 χ^2/NDF:2618253.8/38

Out: 5835.898+/-0.849 χ^2/NDF:3112663.7/40

All: 5888.034+/-0.603 χ^2/NDF: 5738508.6/79



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.0/22

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

Left: -0.000+/-0.000 χ^2/NDF: 51.2/45

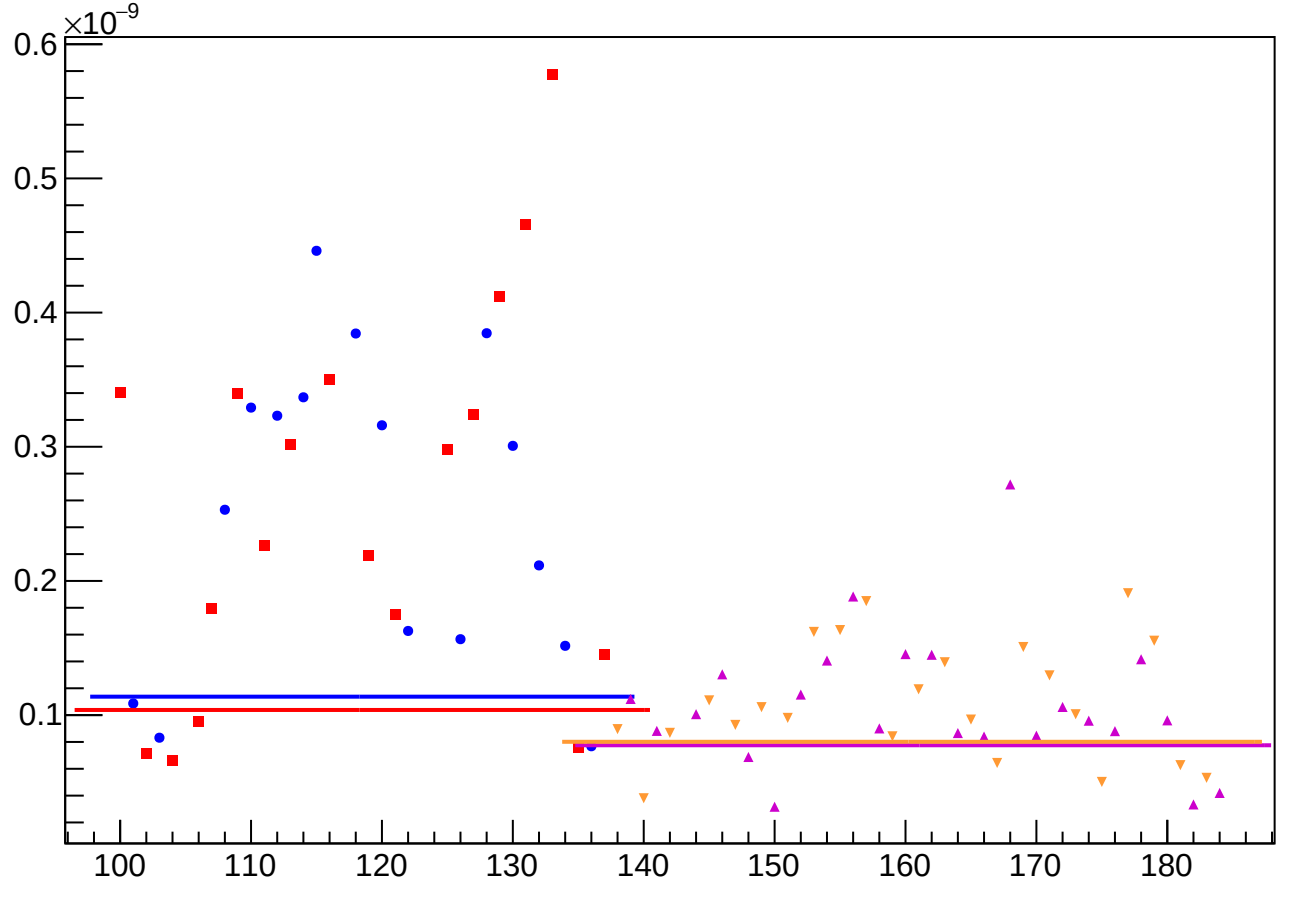
Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:33.0/38

Out: 0.000+/-0.000 χ^2/NDF:44.4/40

All: -0.000+/-0.000 χ^2/NDF: 77.9/79

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:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801098.0/45

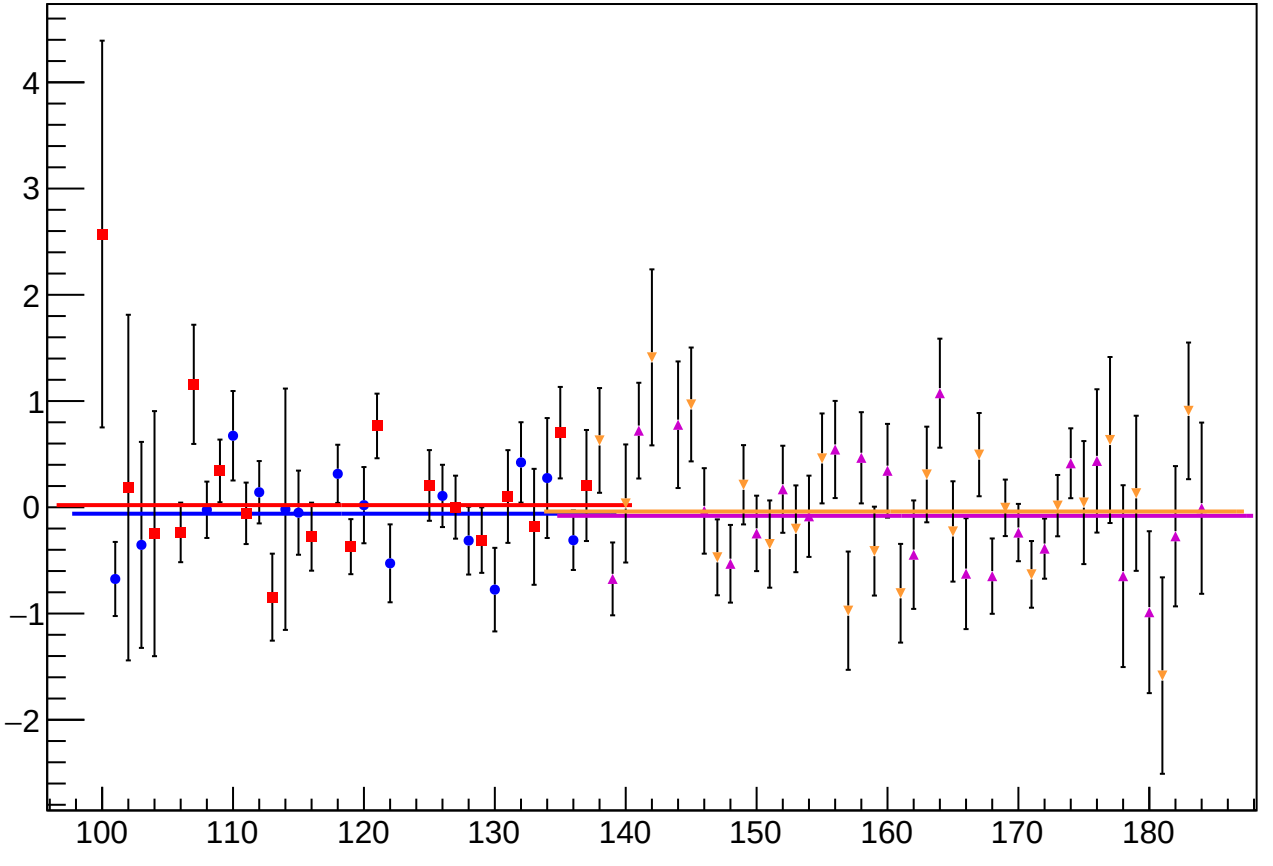
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:4529463.8/38

Out: 0.000+/-0.000 χ^2/NDF:4397345.8/40

All: 0.000+/-0.000 χ^2/NDF: 8927328.0/79

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: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.061+/-0.063 χ^2/NDF: 61.3/45

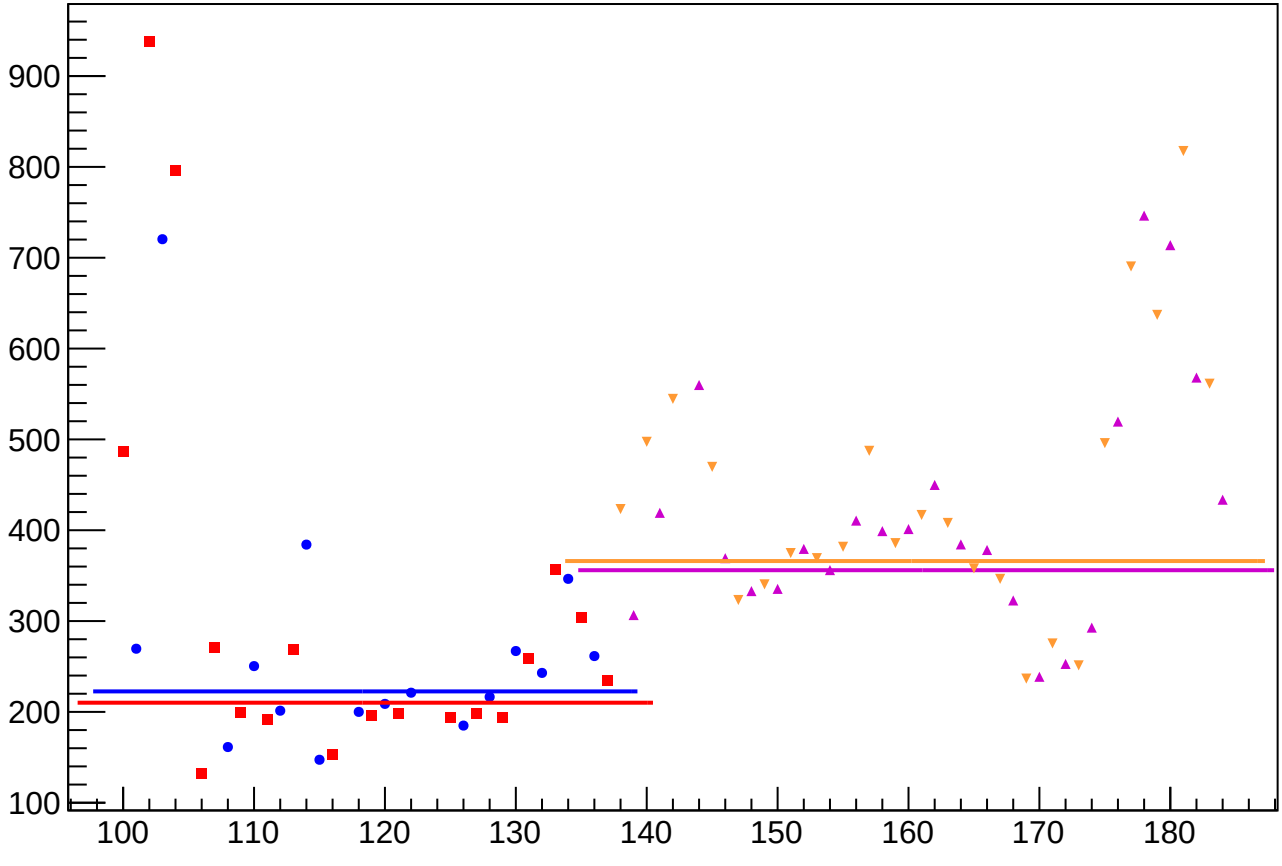
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.070+/-0.062 χ^2/NDF:47.7/38

Out: -0.008+/-0.063 χ^2/NDF:57.2/40

All: -0.040+/-0.044 χ^2/NDF: 105.3/79

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 366.072+/-0.064 χ^2/NDF:2834037.2/22

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 360.849+/-0.045 χ^2/NDF: 5267451.7/45

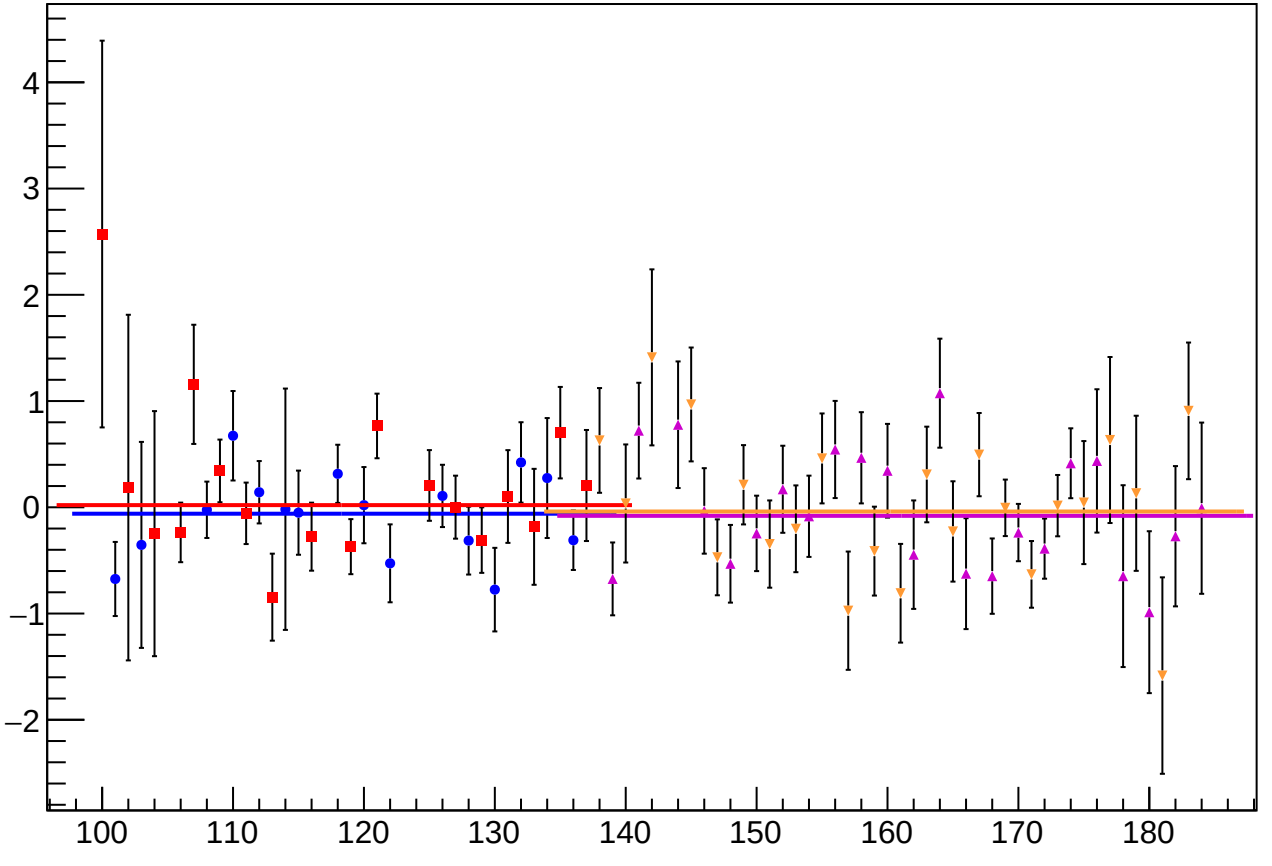
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 289.954+/-0.044 χ^2/NDF:5727114.6/38

Out: 284.964+/-0.045 χ^2/NDF:7436356.9/40

All: 287.486+/-0.031 χ^2/NDF: 13169801.9/79

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: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.061+/-0.063 χ^2/NDF: 61.3/45

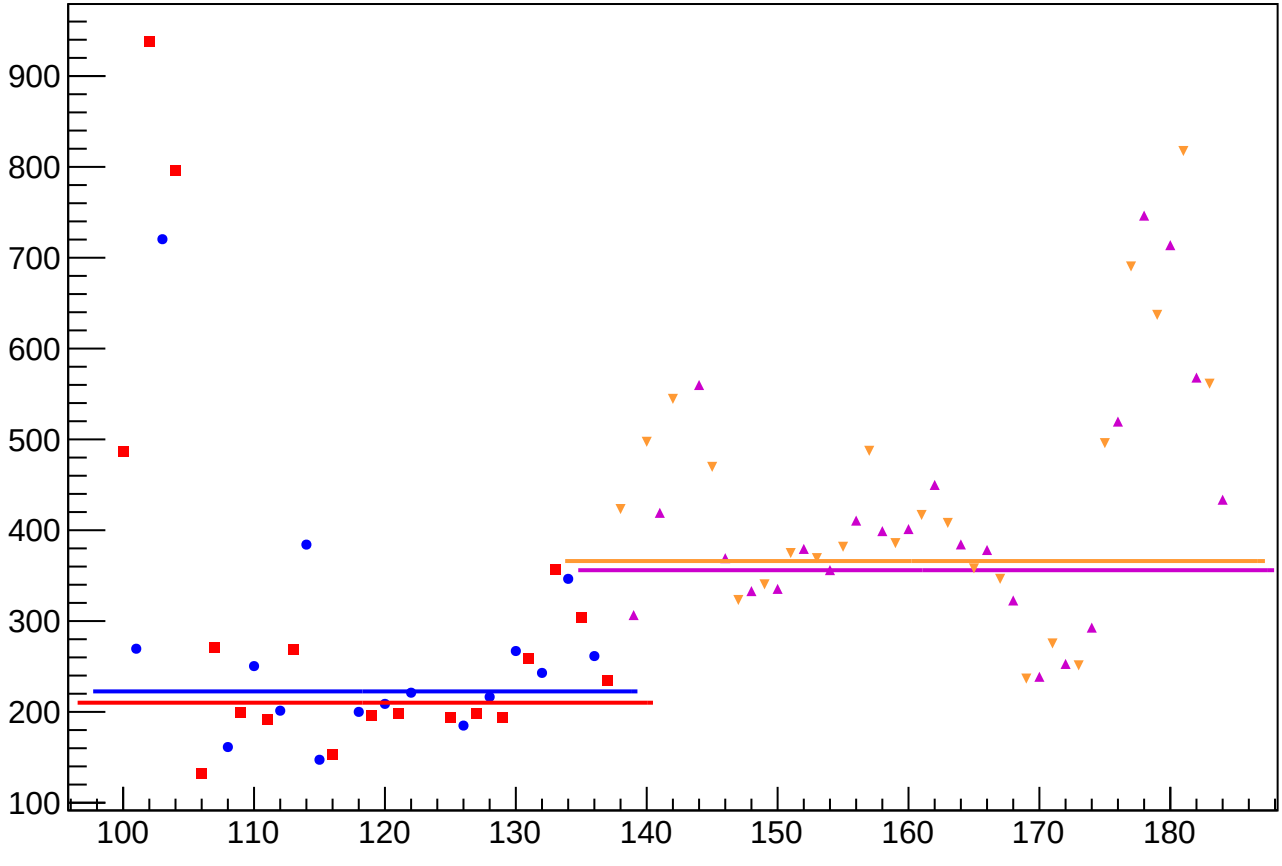
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.070+/-0.062 χ^2/NDF:47.7/38

Out: -0.008+/-0.063 χ^2/NDF:57.2/40

All: -0.040+/-0.044 χ^2/NDF: 105.3/79

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: 355.992+/-0.062 χ^2/NDF:2420701.1/22

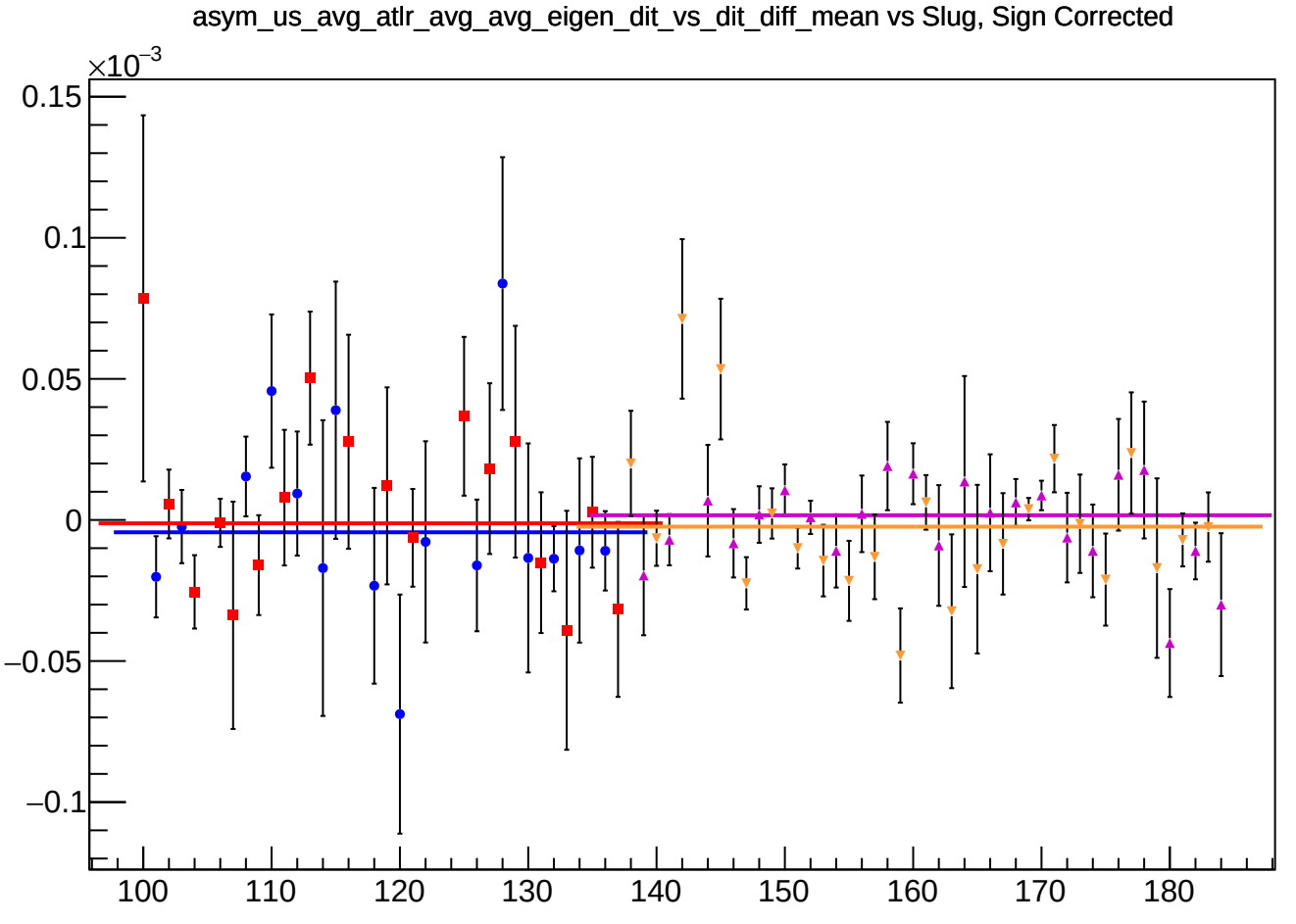
Left: 360.849+/-0.045 χ^2/NDF: 5267451.7/45

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

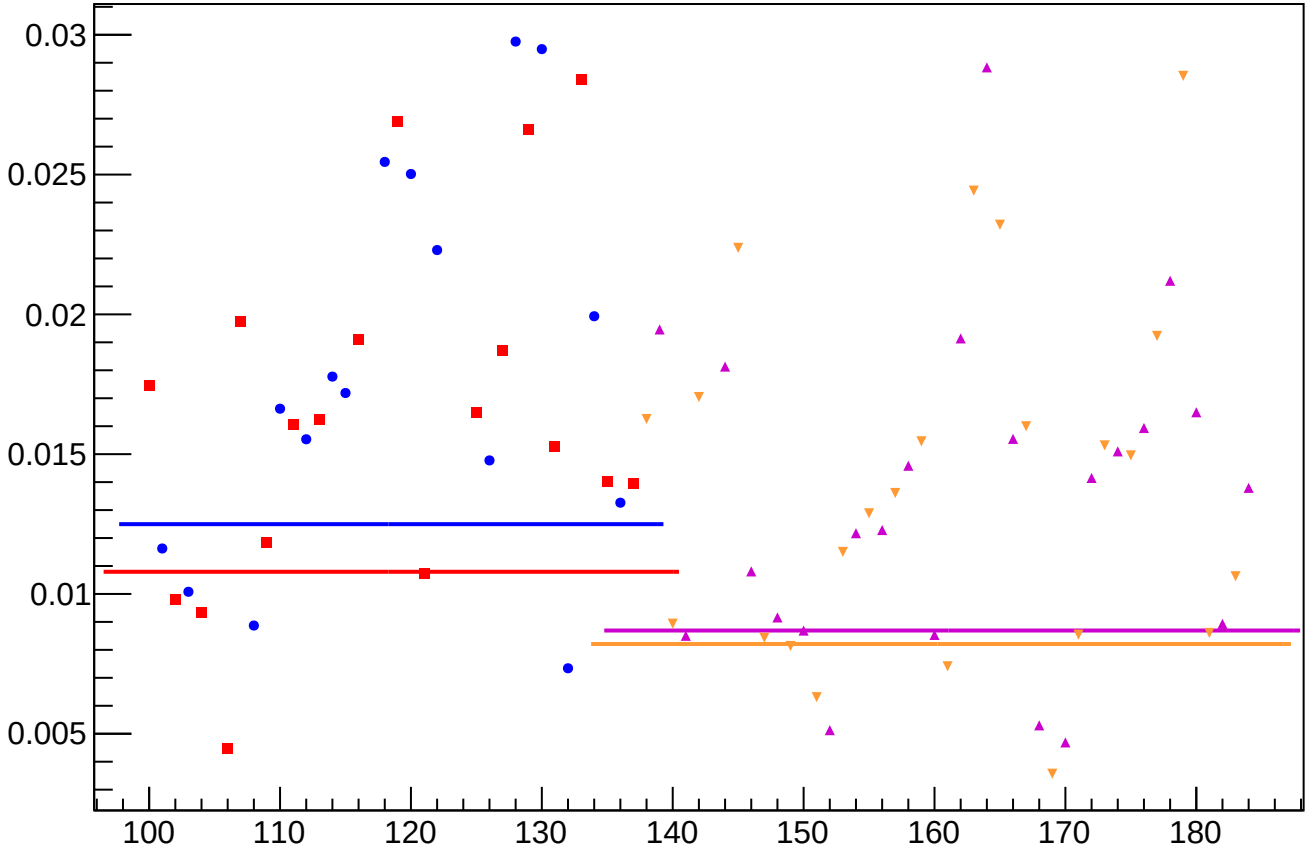
In: 289.954+/-0.044 χ^2/NDF:5727114.6/38

Out: 284.964+/-0.045 χ^2/NDF:7436356.9/40

All: 287.486+/-0.031 χ^2/NDF: 13169801.9/79


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 15.6/15
Left Out: -0.000+/-0.000 χ²/NDF:42.4/22
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: 0.000+/-0.000 χ²/NDF:20.7/22
Left: -0.000+/-0.000 χ²/NDF: 64.6/45
Right: -0.000+/-0.000 χ²/NDF: 33.1/33
In: 0.000+/-0.000 χ²/NDF:37.5/38
Out: -0.000+/-0.000 χ²/NDF:59.7/40
All: -0.000+/-0.000 χ²/NDF: 98.0/79

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:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15695951.3/45

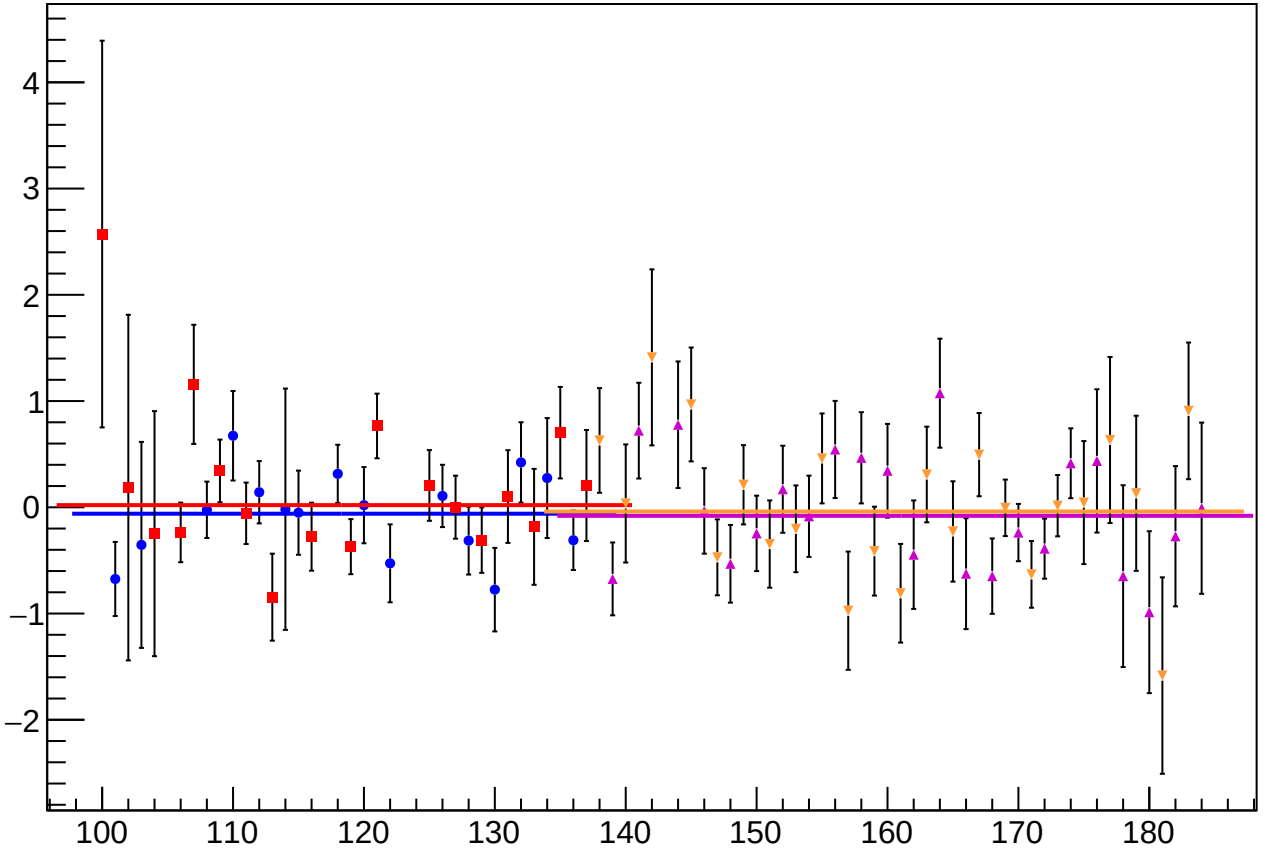
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.009+/-0.000 χ^2/NDF:9911944.4/38

Out: 0.009+/-0.000 χ^2/NDF:12274770.7/40

All: 0.009+/-0.000 χ^2/NDF: 22281869.1/79

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: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.061+/-0.063 χ^2/NDF: 61.3/45

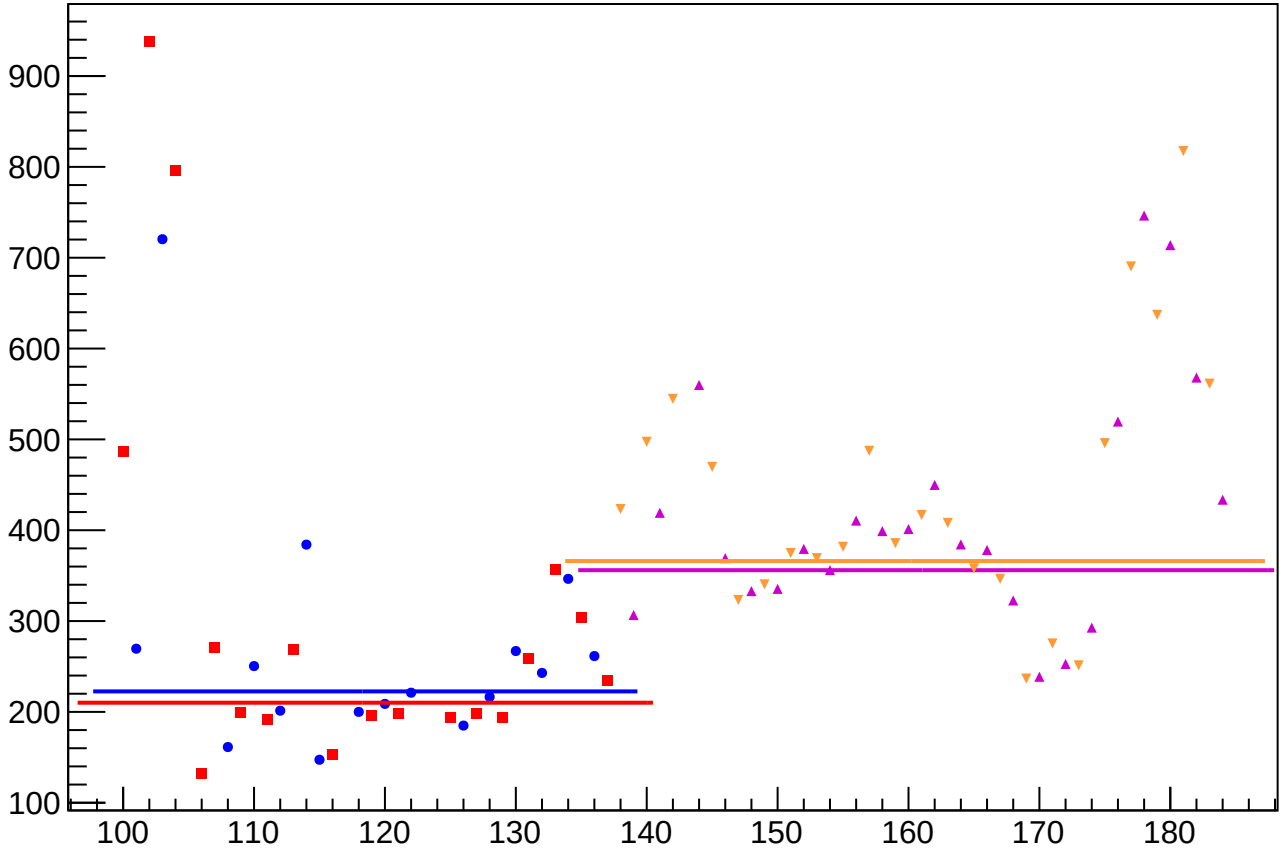
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.070+/-0.062 χ^2/NDF:47.7/38

Out: -0.008+/-0.063 χ^2/NDF:57.2/40

All: -0.040+/-0.044 χ^2/NDF: 105.3/79

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: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 360.850+/-0.045 χ^2/NDF: 5267828.6/45

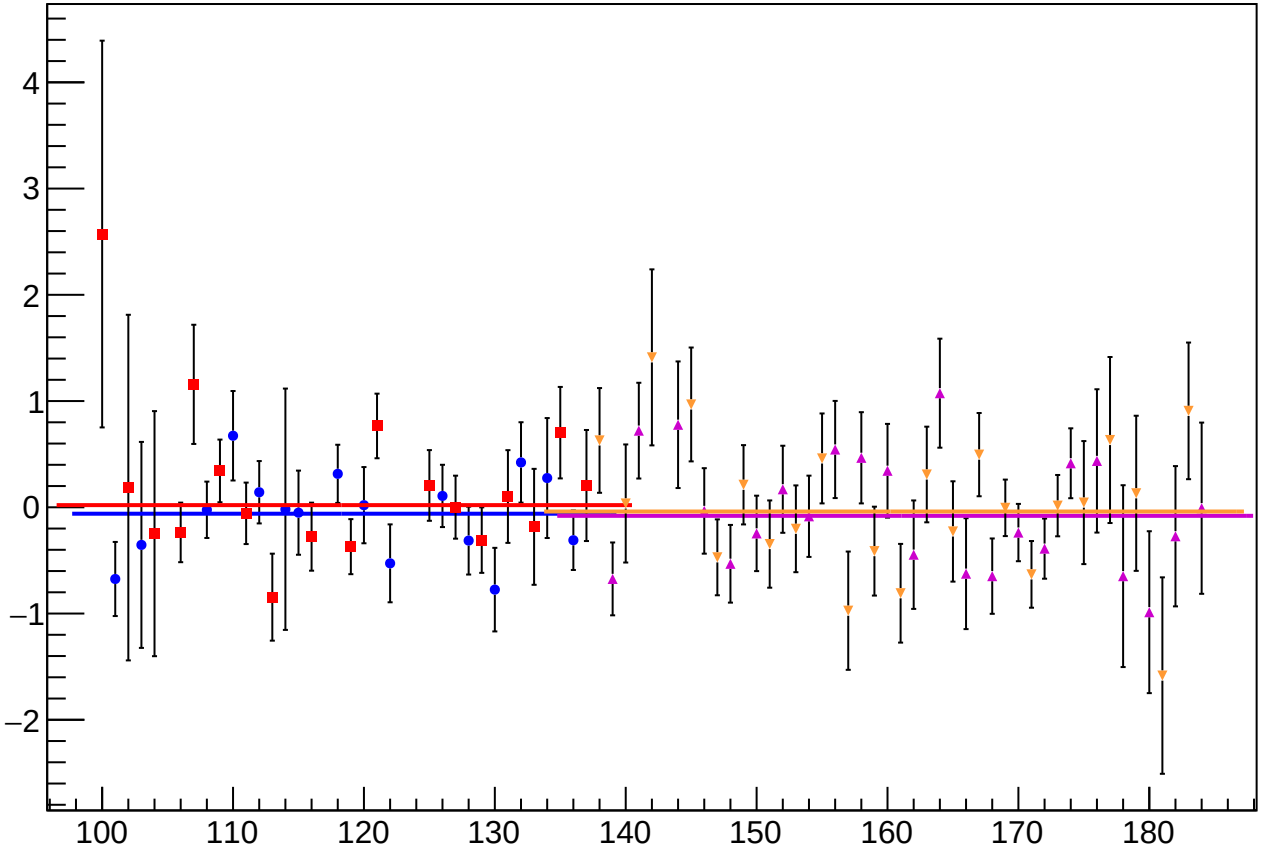
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 289.953+/-0.044 χ^2/NDF:5727378.2/38

Out: 284.961+/-0.045 χ^2/NDF:7436692.1/40

All: 287.484+/-0.031 χ^2/NDF: 13170404.2/79

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: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.061+/-0.063 χ^2/NDF: 61.3/45

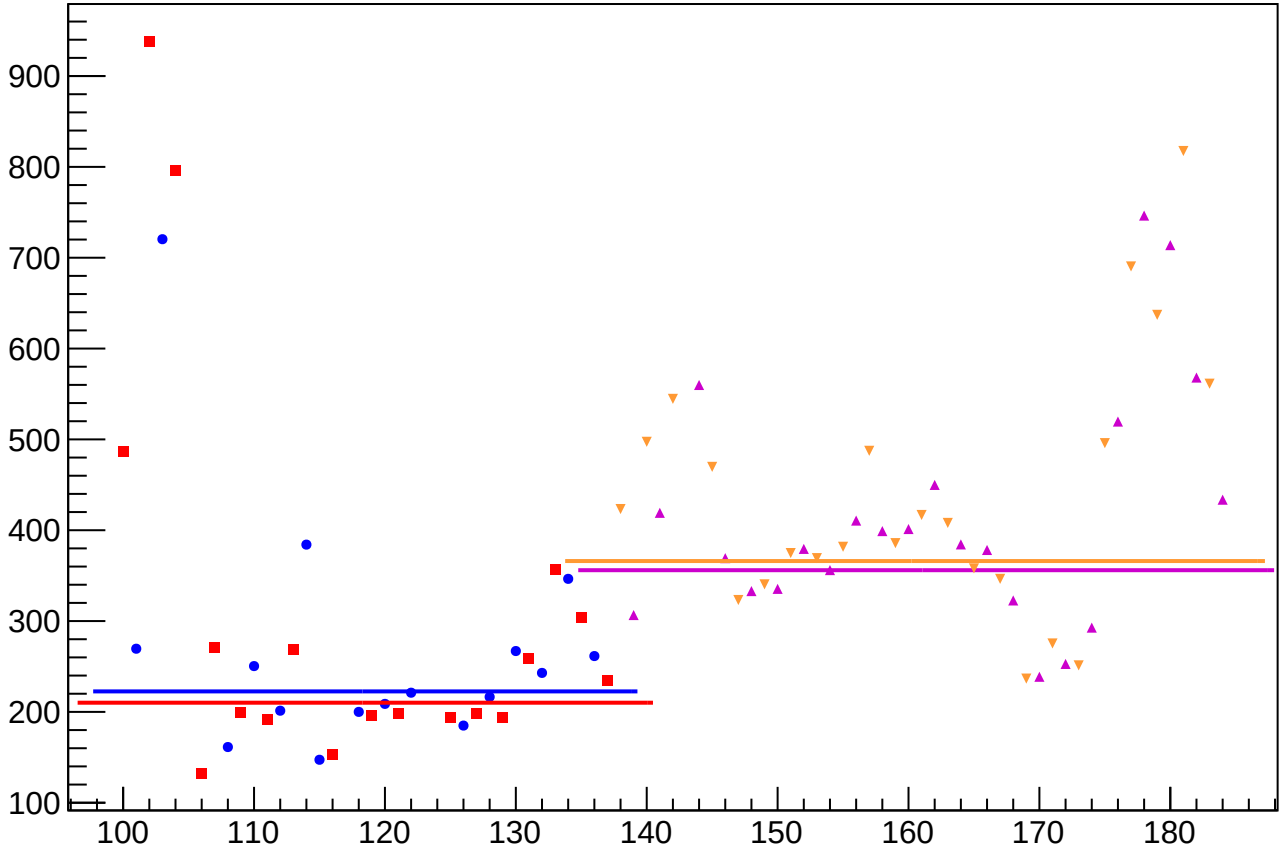
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.070+/-0.062 χ^2/NDF:47.7/38

Out: -0.008+/-0.063 χ^2/NDF:57.2/40

All: -0.040+/-0.044 χ^2/NDF: 105.3/79

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: 355.993+/-0.062 χ^2/NDF:2420863.3/22

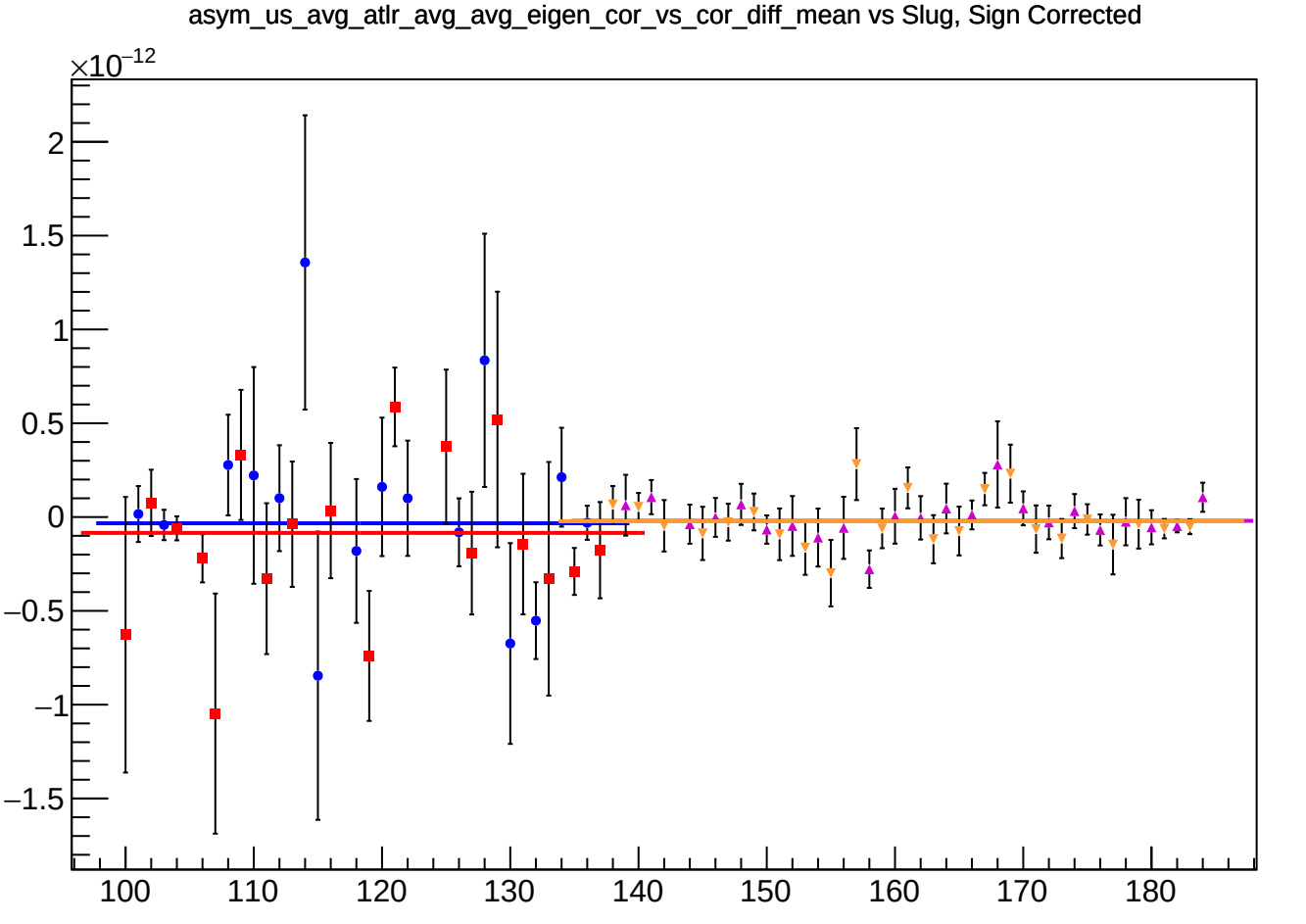
Left: 360.850+/-0.045 χ^2/NDF: 5267828.6/45

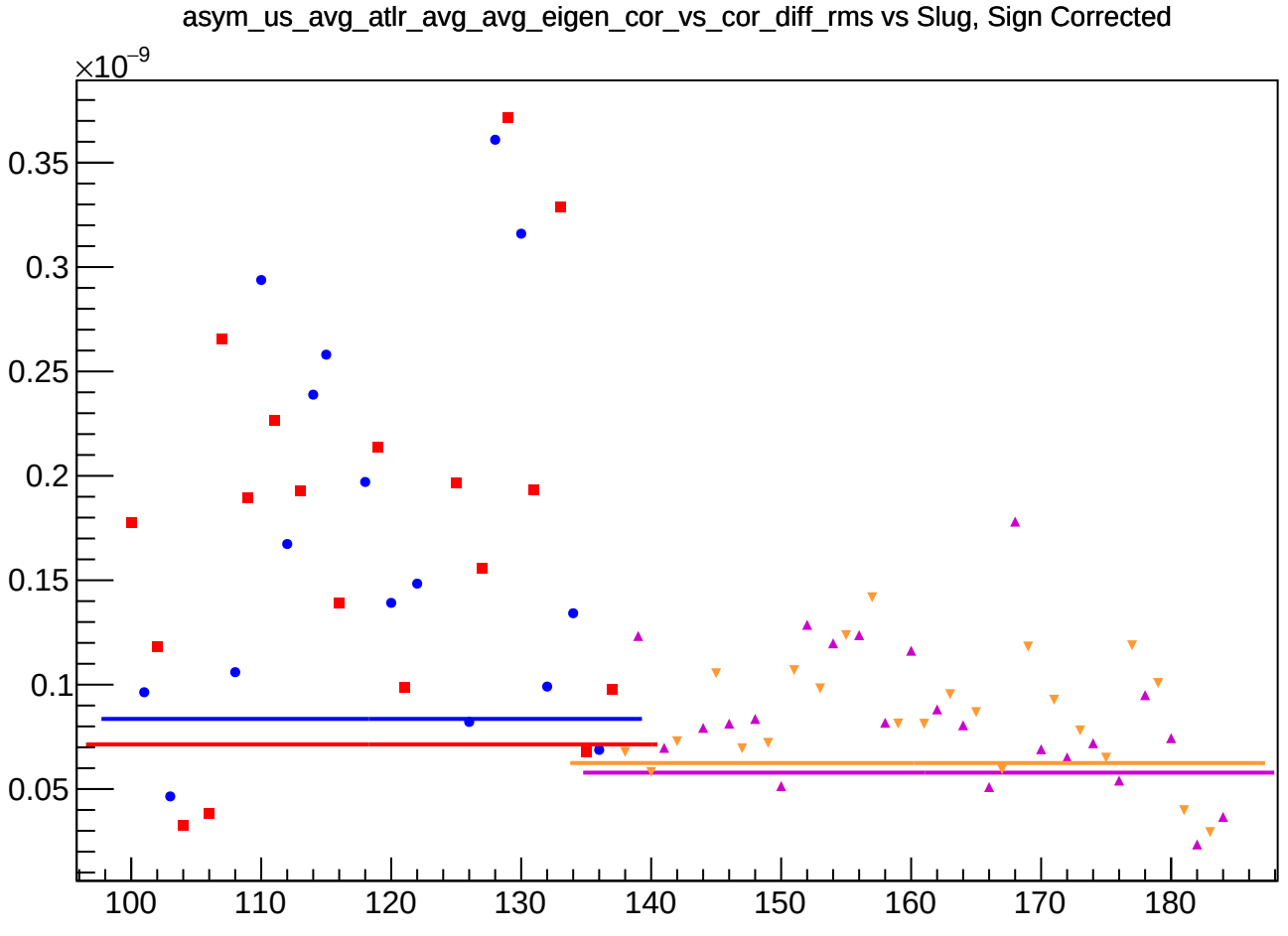
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 289.953+/-0.044 χ^2/NDF:5727378.2/38

Out: 284.961+/-0.045 χ^2/NDF:7436692.1/40

All: 287.484+/-0.031 χ^2/NDF: 13170404.2/79


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:17.2/22
Left: -0.000+/-0.000 χ²/NDF: 38.5/45
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:34.5/38
Out: -0.000+/-0.000 χ²/NDF:48.8/40
All: -0.000+/-0.000 χ²/NDF: 83.5/79



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4078594.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

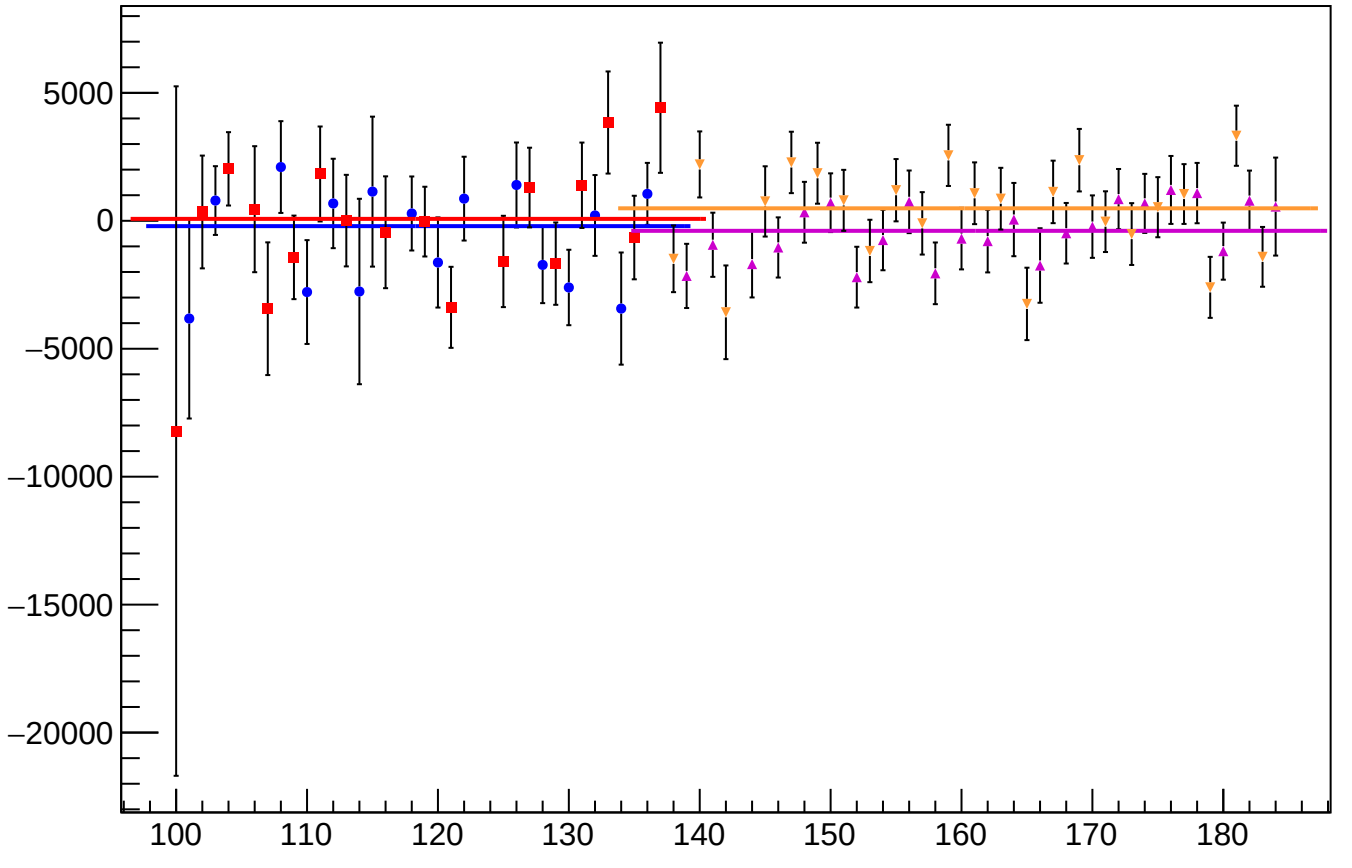
Left: 0.000+/-0.000 χ^2/NDF: 9649960.7/45

Right: 0.000+/-0.000 χ^2/NDF: 6051897.3/33

In: 0.000+/-0.000 χ^2/NDF:8265781.9/38

Out: 0.000+/-0.000 χ^2/NDF:7891824.6/40

All: 0.000+/-0.000 χ^2/NDF: 16180284.8/79



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: -391.701+/-257.386 χ^2/NDF:17.8/22

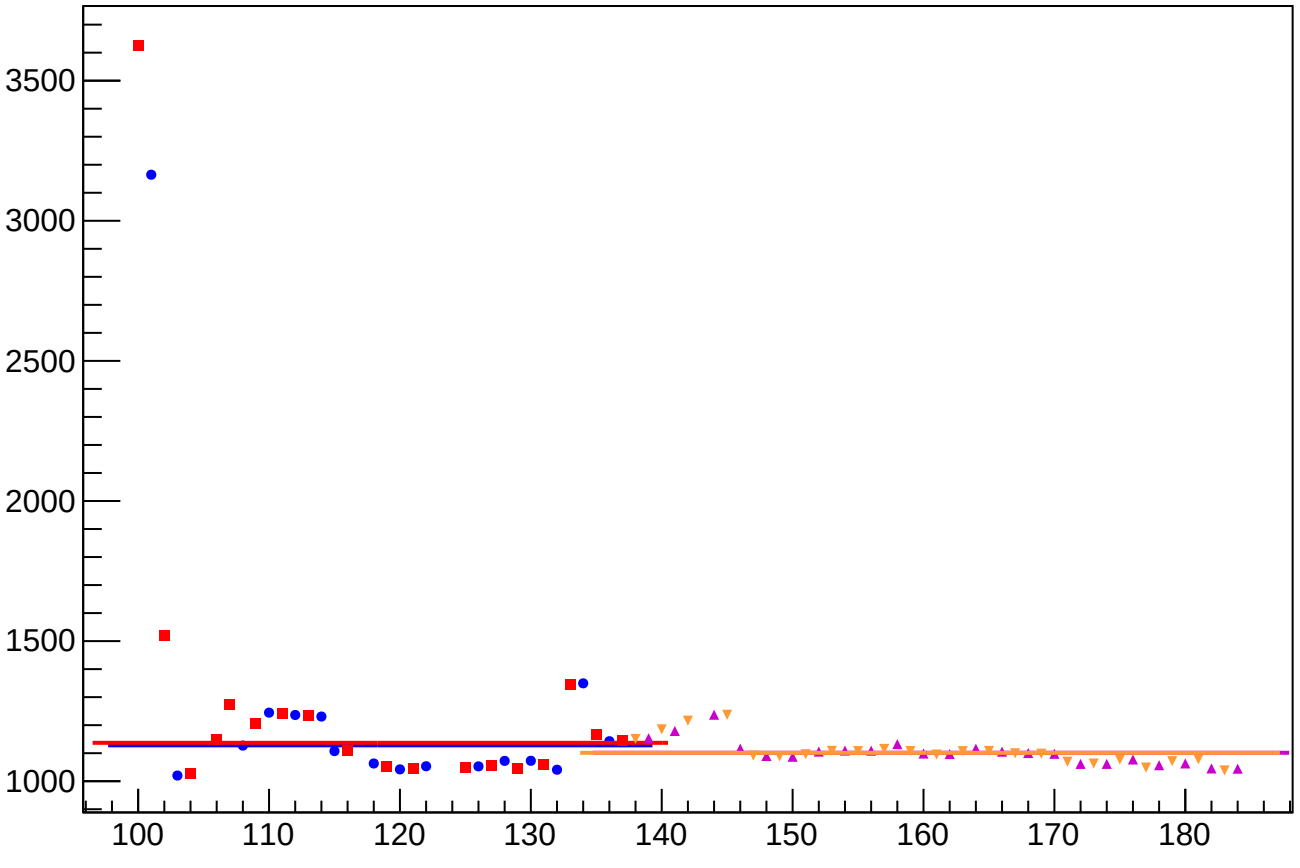
Left: 47.797+/-182.082 χ^2/NDF: 68.0/45

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -343.194+/-220.731 χ^2/NDF:32.7/38

Out: 379.430+/-221.097 χ^2/NDF:65.7/40

All: 17.520+/-156.210 χ^2/NDF: 103.7/79



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: 1101.530+/-0.182 χ^2/NDF:52145.9/22

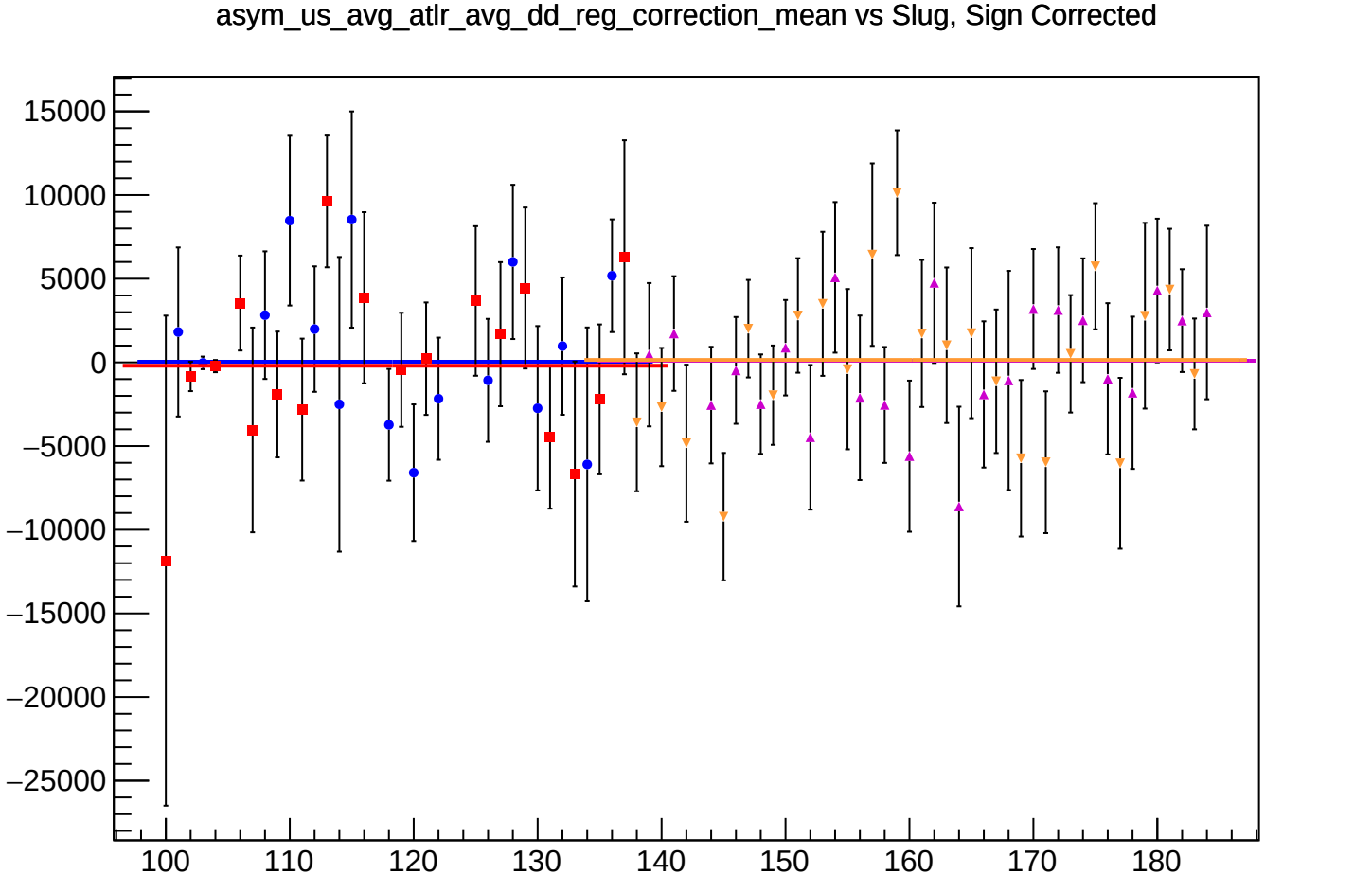
Left: 1101.422+/-0.129 χ^2/NDF: 107960.8/45

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1108.534+/-0.156 χ^2/NDF:679139.6/38

Out: 1110.752+/-0.156 χ^2/NDF:286060.7/40

All: 1109.642+/-0.110 χ^2/NDF: 965301.1/79



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 143.903+/-828.962 χ^2/NDF:28.6/22

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

Left: 118.968+/-581.970 χ^2/NDF: 42.3/45

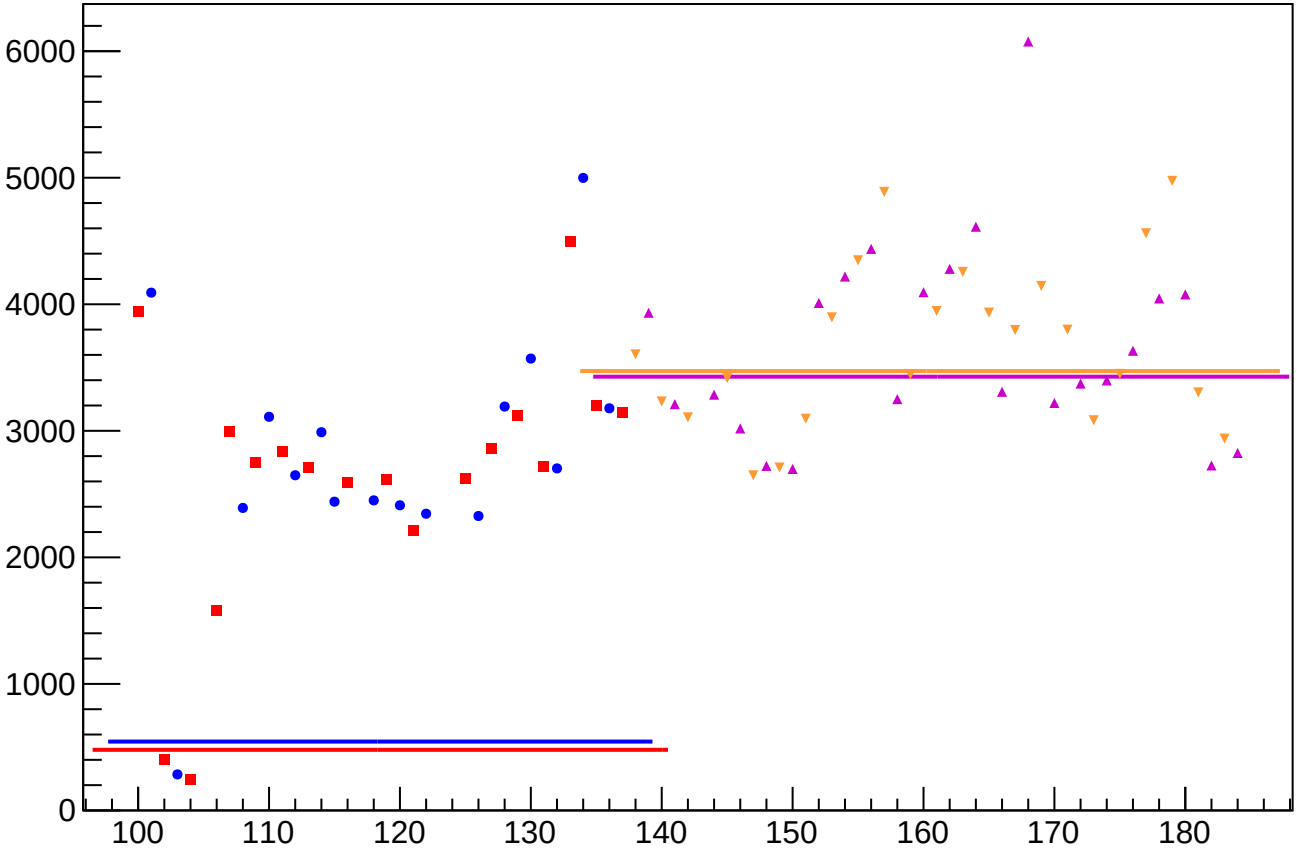
Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: 47.372+/-327.648 χ^2/NDF:28.5/38

Out: -156.207+/-300.592 χ^2/NDF:44.4/40

All: -63.168+/-221.499 χ^2/NDF: 73.1/79

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: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

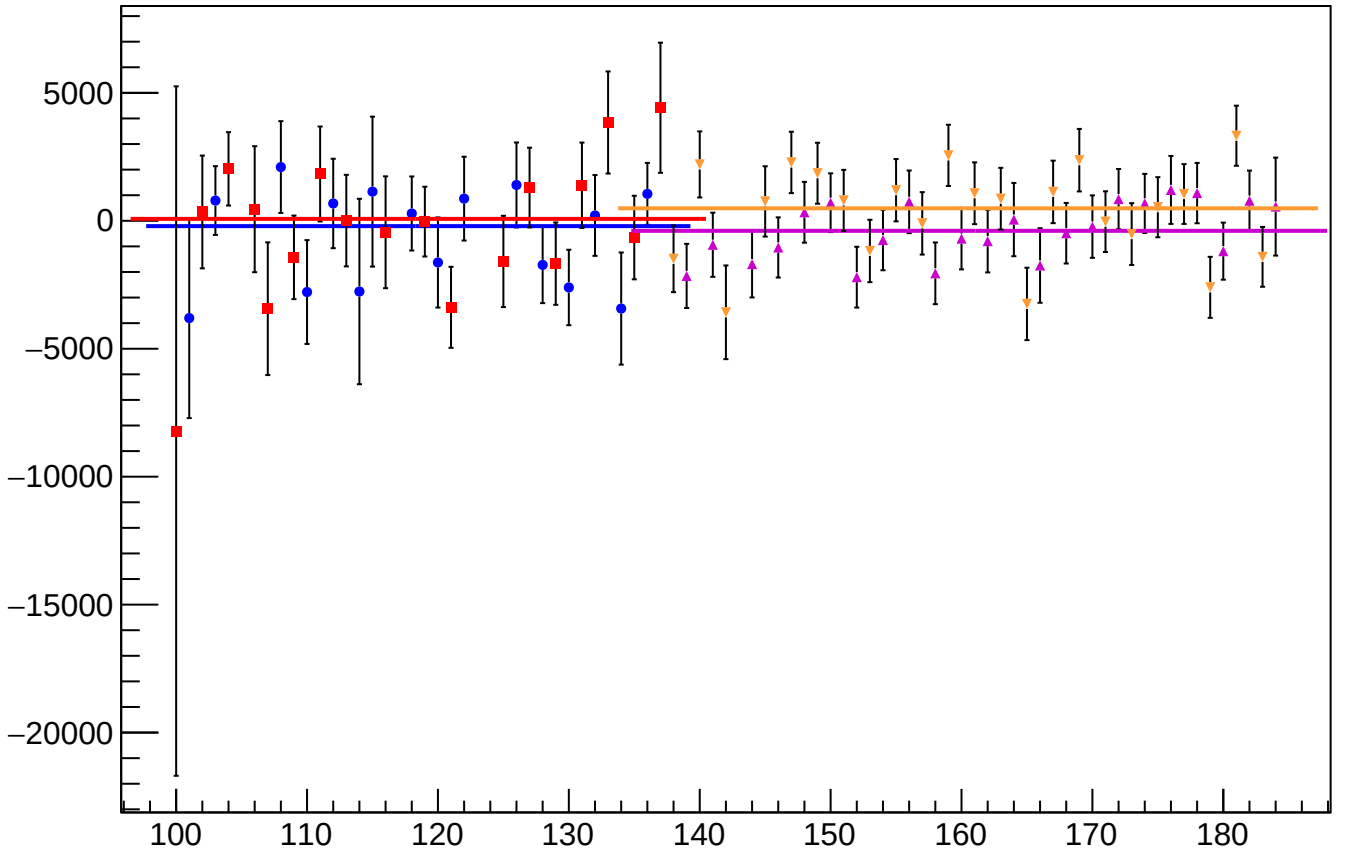
Left: 3449.767+/-0.412 χ^2/NDF: 2287241.4/45

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 1007.843+/-0.232 χ^2/NDF:31823437.6/38

Out: 872.804+/-0.213 χ^2/NDF:32873838.7/40

All: 934.519+/-0.157 χ^2/NDF: 64881746.0/79



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: -391.689+/-257.386 χ^2/NDF:17.8/22

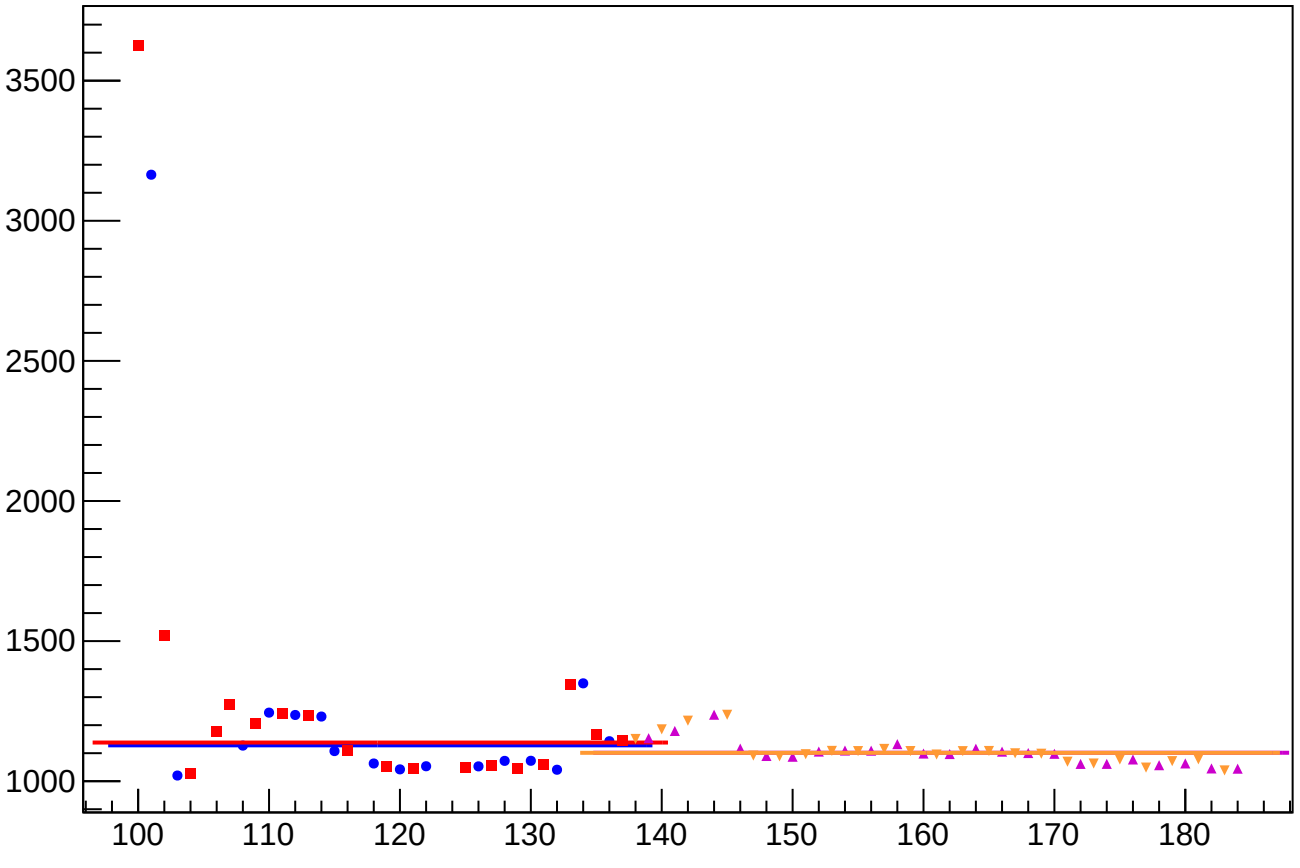
Left: 47.844+/-182.082 χ^2/NDF: 68.0/45

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -343.124+/-220.731 χ^2/NDF:32.7/38

Out: 379.528+/-221.097 χ^2/NDF:65.7/40

All: 17.604+/-156.210 χ^2/NDF: 103.7/79



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: 1101.530+/-0.182 χ^2/NDF:52145.9/22

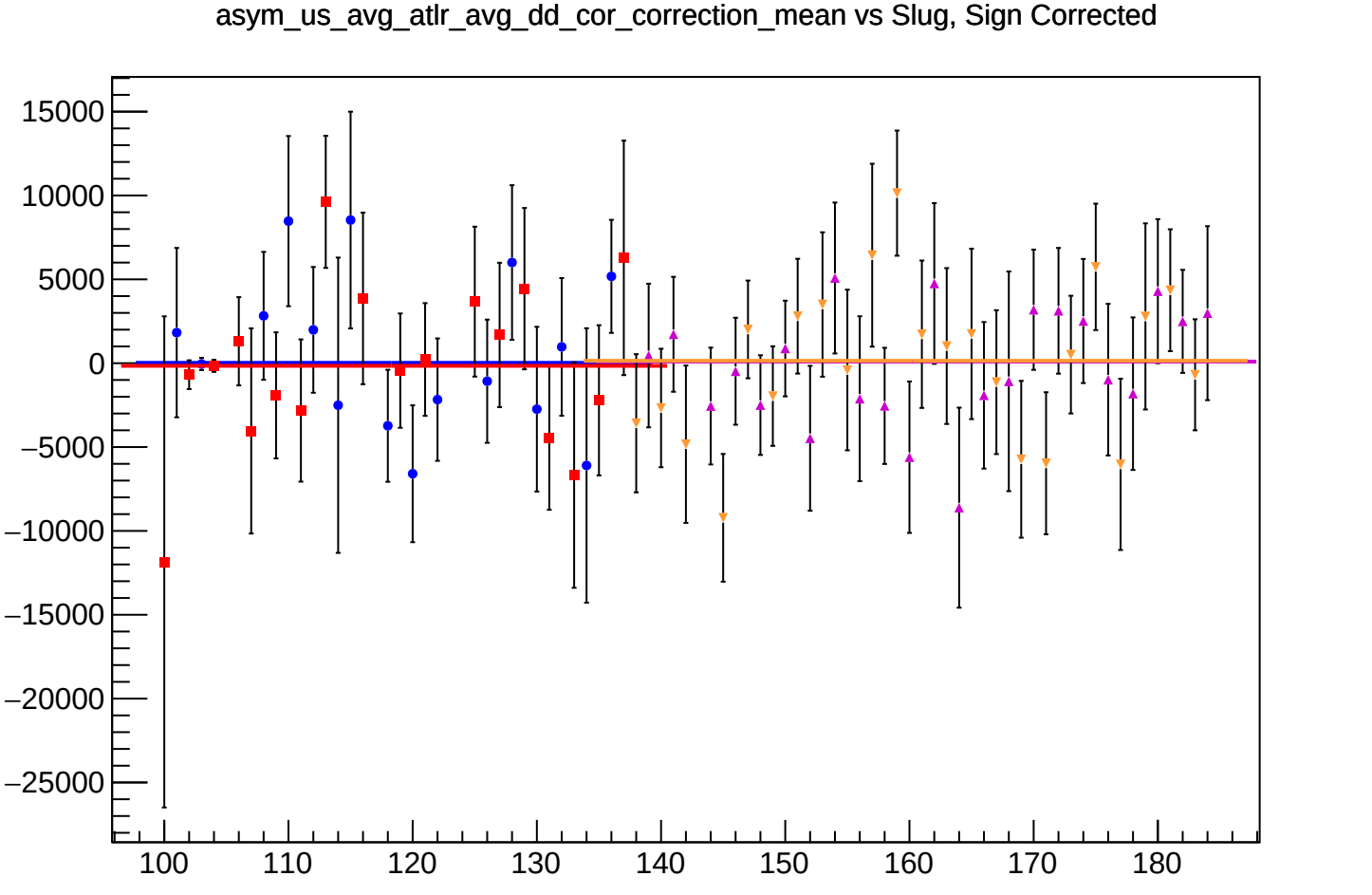
Left: 1101.422+/-0.129 χ^2/NDF: 107960.8/45

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1108.534+/-0.156 χ^2/NDF:679140.6/38

Out: 1110.987+/-0.156 χ^2/NDF:287131.5/40

All: 1109.759+/-0.110 χ^2/NDF: 966395.4/79



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: 94.742+/-817.222 χ^2/NDF:13.7/22

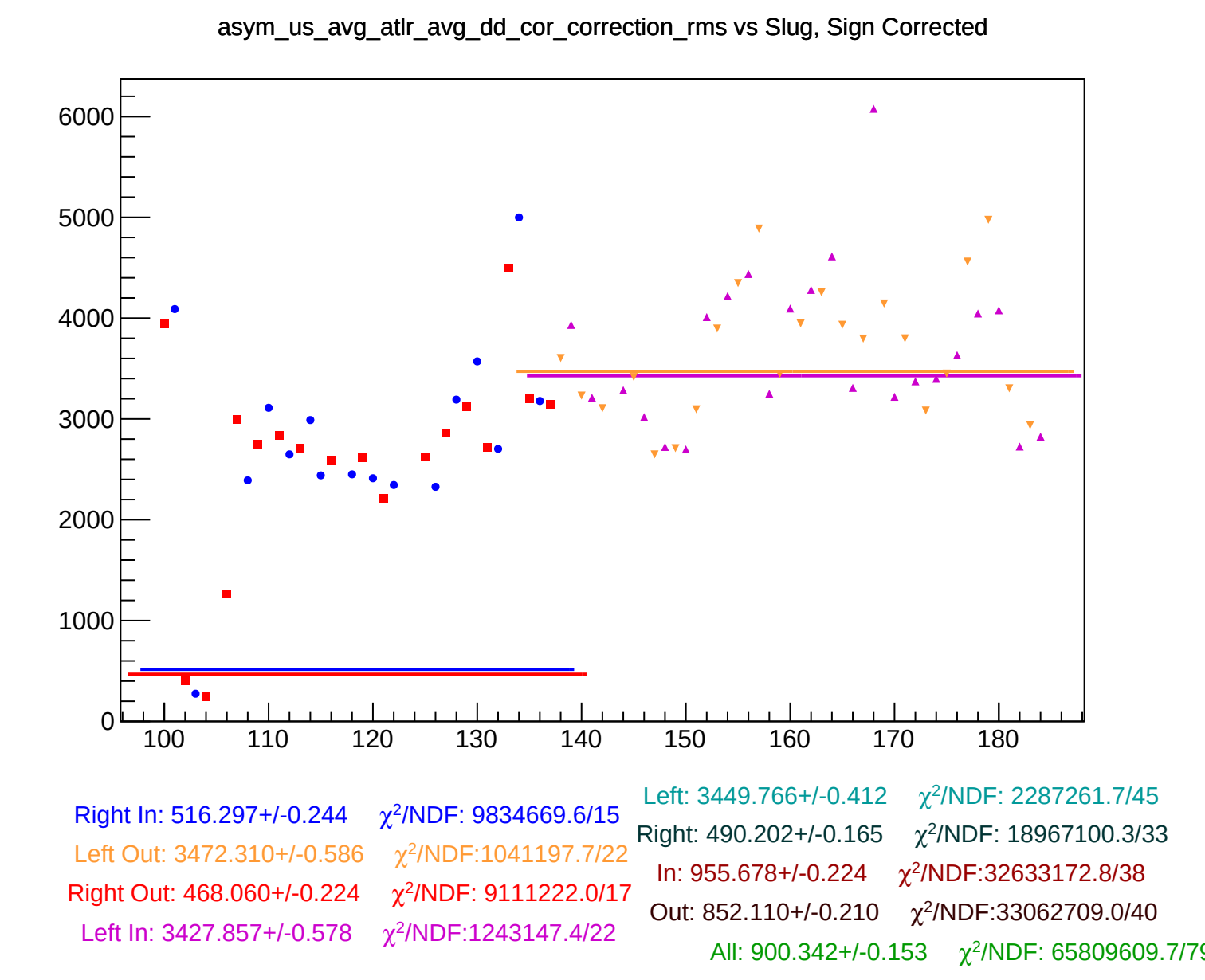
Left: 118.991+/-581.970 χ^2/NDF: 42.3/45

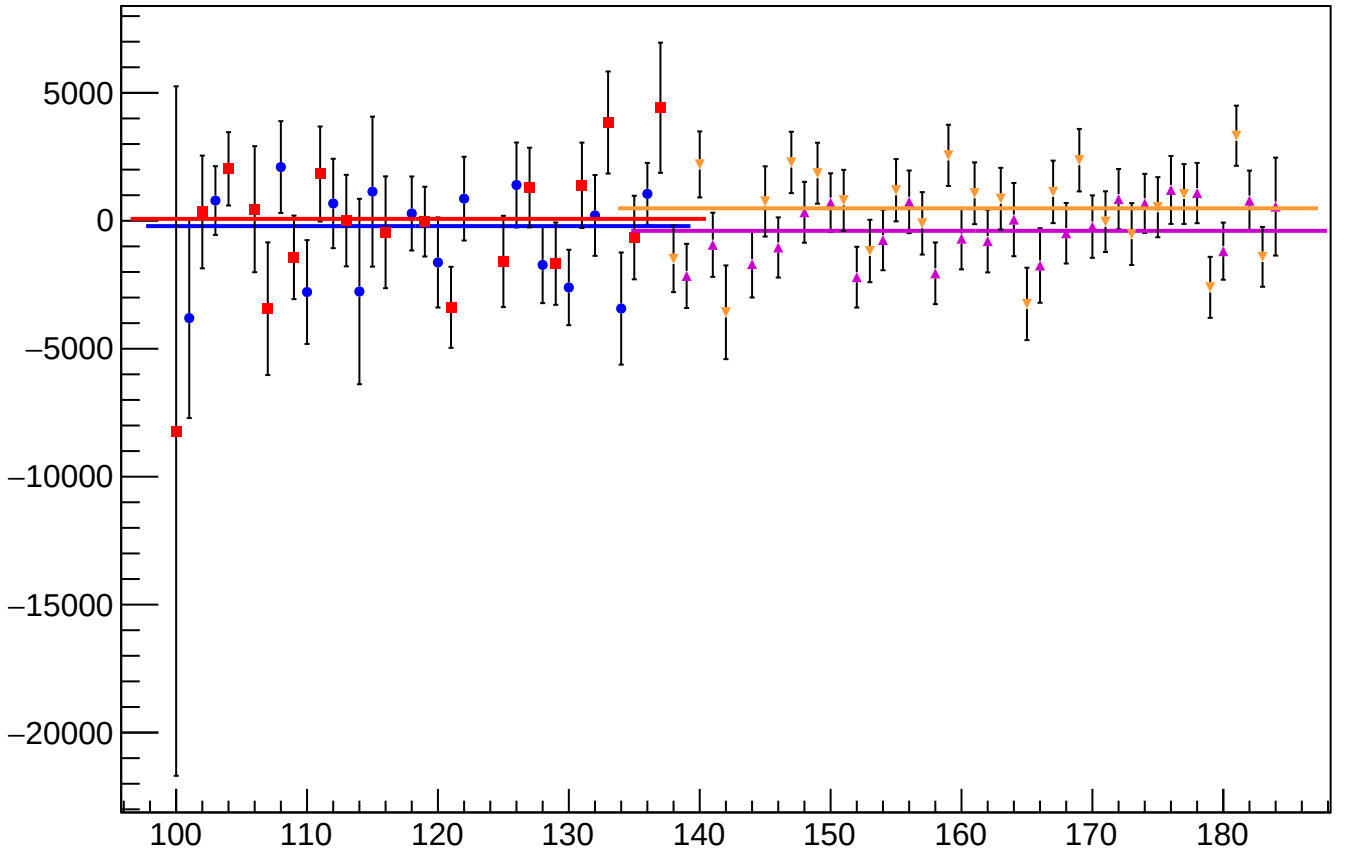
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 32.676+/-317.467 χ^2/NDF:28.5/38

Out: -117.858+/-296.388 χ^2/NDF:42.7/40

All: -47.754+/-216.647 χ^2/NDF: 71.4/79


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 516.297+/-0.244 χ²/NDF: 9834669.6/15
Left Out: 3472.310+/-0.586 χ²/NDF:1041197.7/22
Right Out: 468.060+/-0.224 χ²/NDF: 9111222.0/17
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
Left: 3449.766+/-0.412 χ²/NDF: 2287261.7/45
Right: 490.202+/-0.165 χ²/NDF: 18967100.3/33
In: 955.678+/-0.224 χ²/NDF:32633172.8/38
Out: 852.110+/-0.210 χ²/NDF:33062709.0/40
All: 900.342+/-0.153 χ²/NDF: 65809609.7/79



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: -391.689+/-257.386 χ^2/NDF:17.8/22

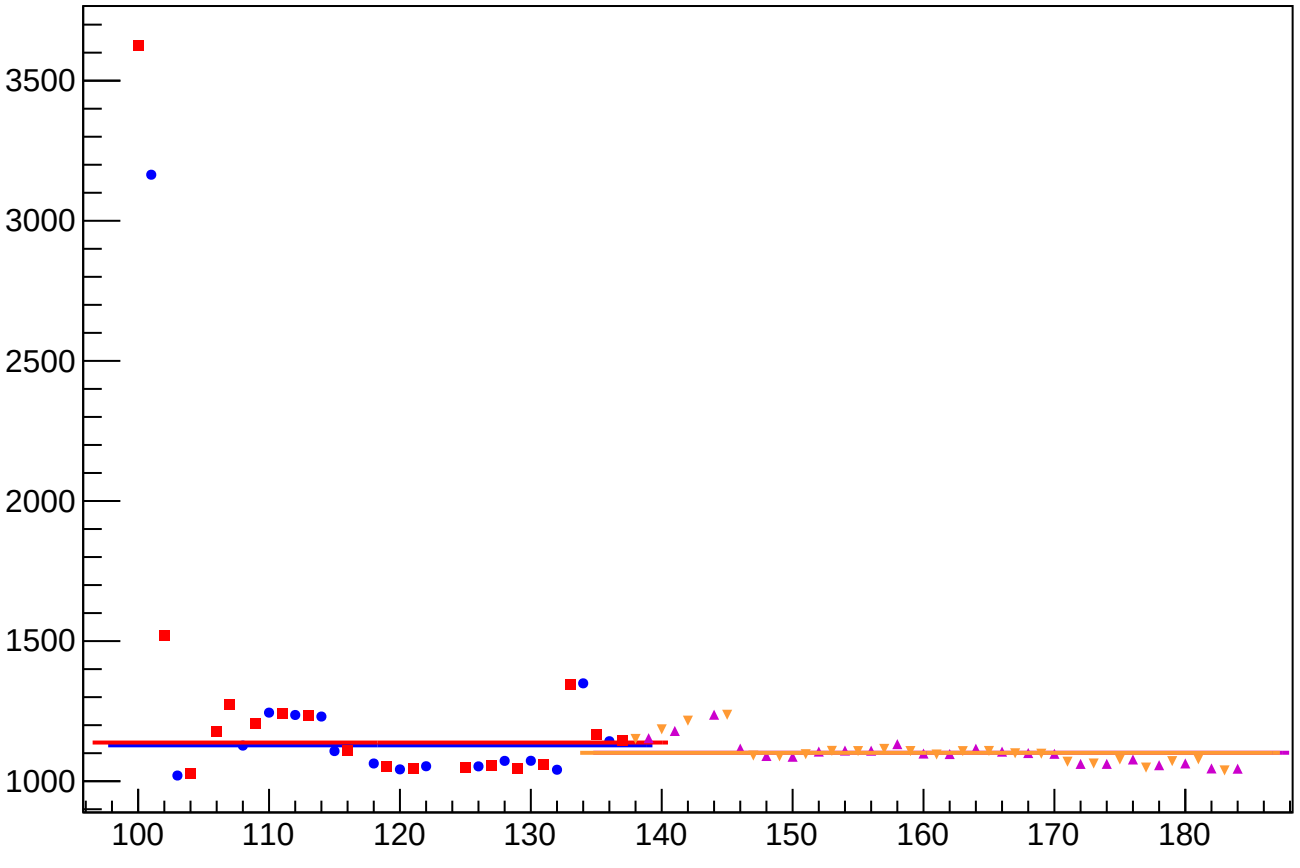
Left: 47.844+/-182.082 χ^2/NDF: 68.0/45

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -343.124+/-220.731 χ^2/NDF:32.7/38

Out: 379.528+/-221.097 χ^2/NDF:65.7/40

All: 17.604+/-156.210 χ^2/NDF: 103.7/79



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: 1101.530+/-0.182 χ^2/NDF:52145.9/22

Left: 1101.422+/-0.129 χ^2/NDF: 107960.8/45

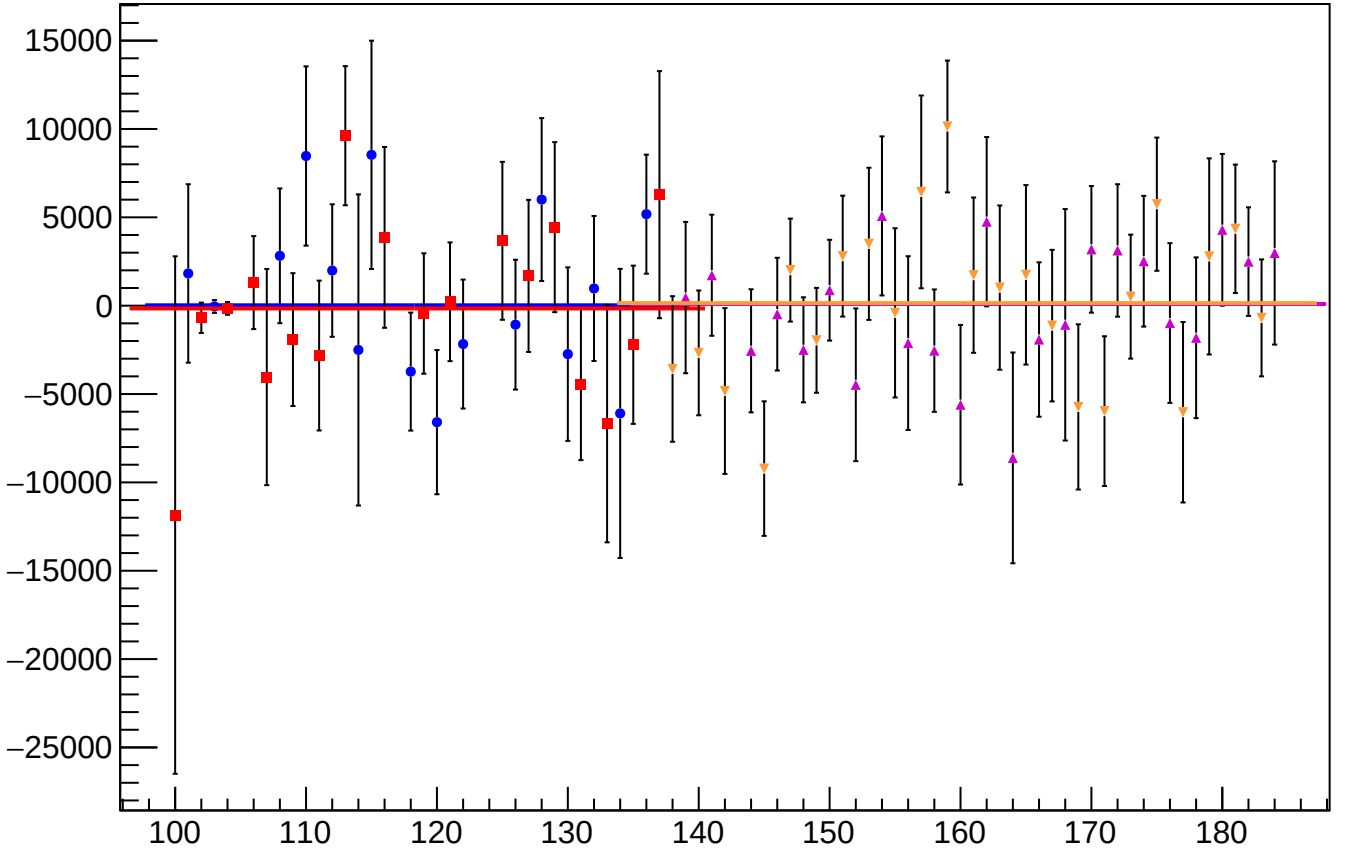
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1108.534+/-0.156 χ^2/NDF:679140.6/38

Out: 1110.987+/-0.156 χ^2/NDF:287131.5/40

All: 1109.759+/-0.110 χ^2/NDF: 966395.4/79

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: 94.742+/-817.222 χ^2/NDF:13.7/22

Left: 118.991+/-581.970 χ^2/NDF: 42.3/45

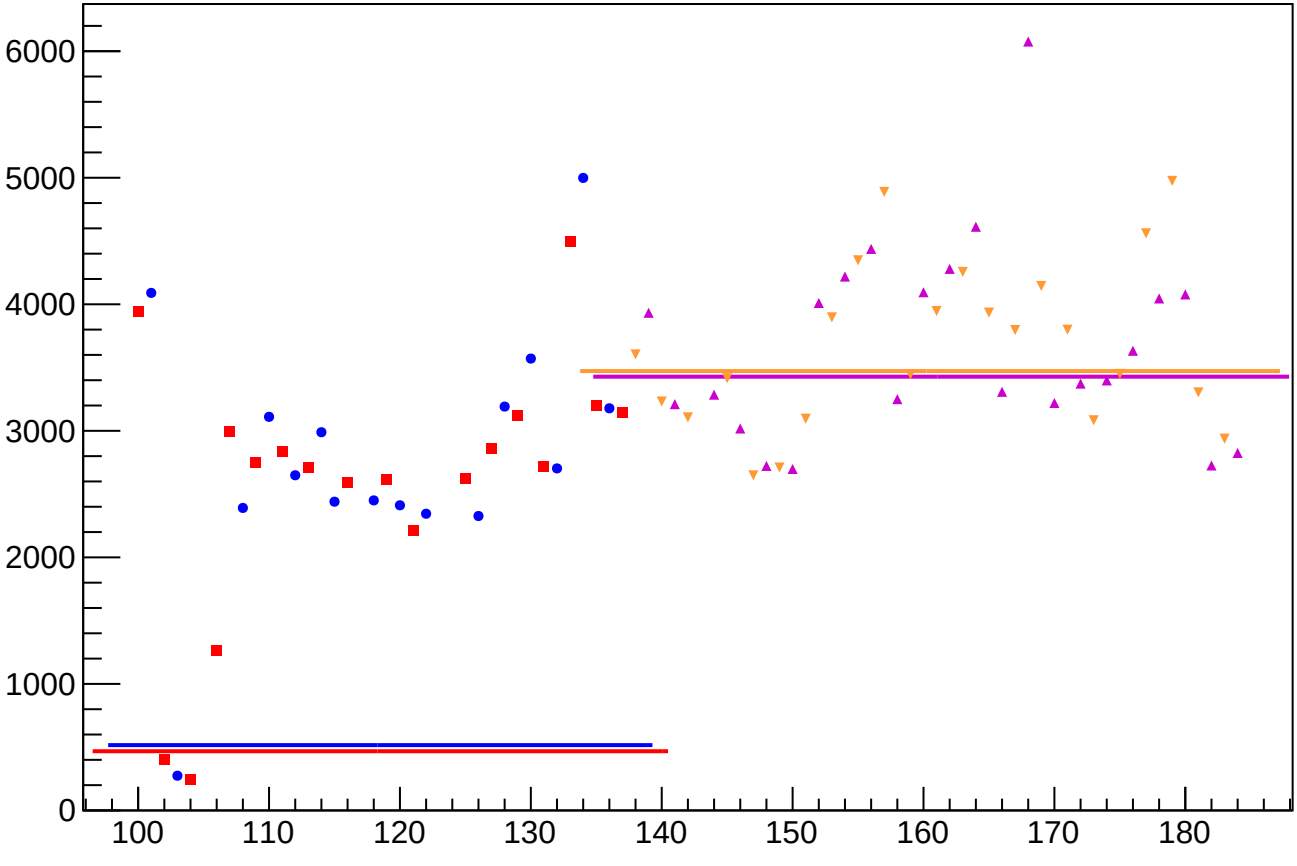
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 32.676+/-317.467 χ^2/NDF:28.5/38

Out: -117.858+/-296.388 χ^2/NDF:42.7/40

All: -47.754+/-216.647 χ^2/NDF: 71.4/79

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3472.310+/-0.586 χ^2/NDF:1041197.7/22

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

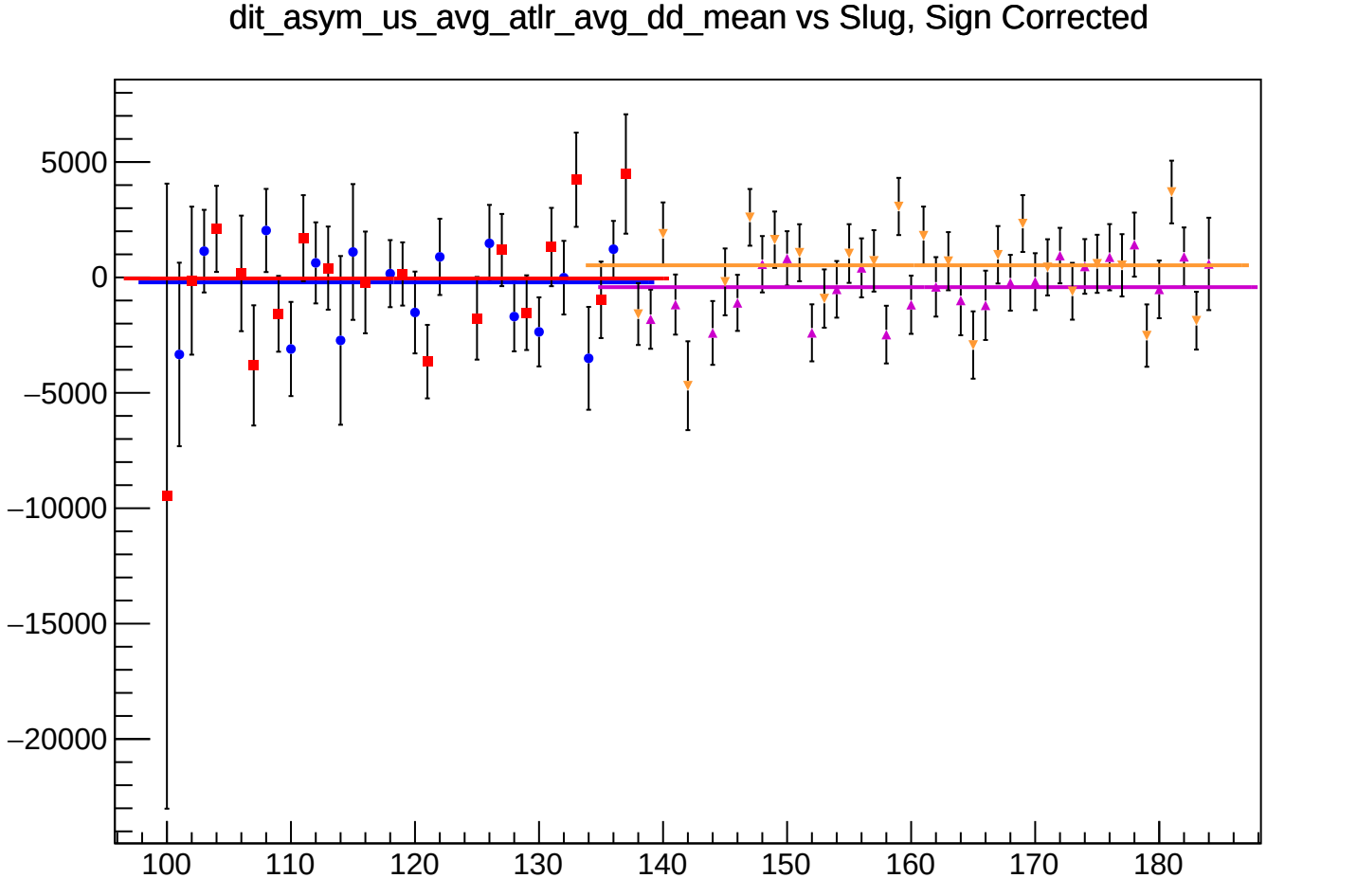
Left: 3449.766+/-0.412 χ^2/NDF: 2287261.7/45

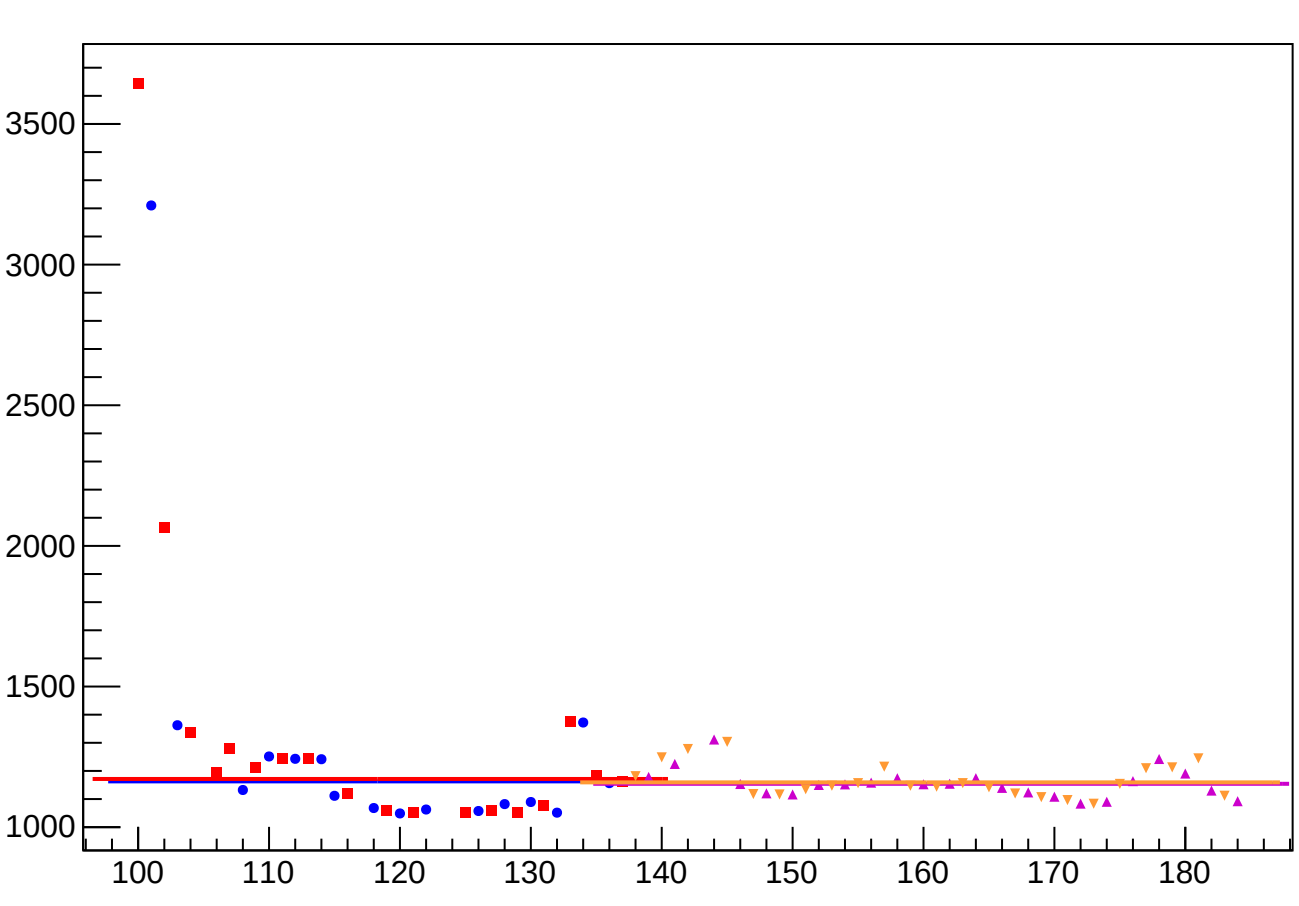
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 955.678+/-0.224 χ^2/NDF:32633172.8/38

Out: 852.110+/-0.210 χ^2/NDF:33062709.0/40

All: 900.342+/-0.153 χ^2/NDF: 65809609.7/79


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: -213.079+/-442.684 χ²/NDF: 14.3/15
Left Out: 526.162+/-271.375 χ²/NDF:44.7/22
Right Out: -45.535+/-447.221 χ²/NDF: 21.7/17
Left In: -421.023+/-269.815 χ²/NDF:18.0/22
Left: 49.840+/-191.337 χ²/NDF: 68.8/45
Right: -130.161+/-314.617 χ²/NDF: 36.1/33
In: -364.698+/-230.393 χ²/NDF:32.5/38
Out: 372.308+/-232.003 χ²/NDF:67.6/40
All: 1.240+/-163.479 χ²/NDF: 105.1/79



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: 1154.231+/-0.191 χ^2/NDF:66476.9/22

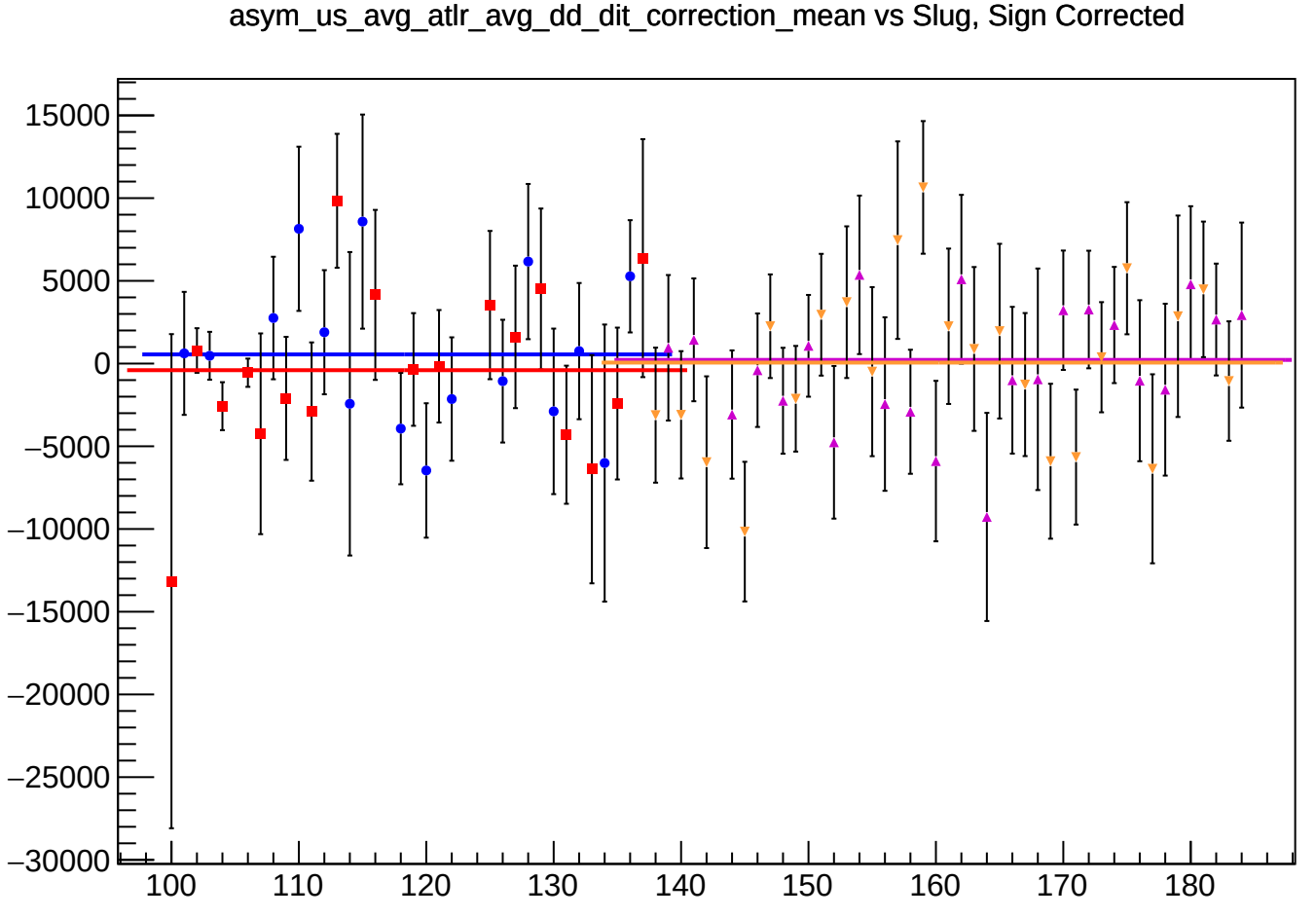
Left: 1156.767+/-0.135 χ^2/NDF: 148664.1/45

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1156.566+/-0.163 χ^2/NDF:702383.4/38

Out: 1162.588+/-0.164 χ^2/NDF:414540.9/40

All: 1159.556+/-0.116 χ^2/NDF: 1117603.0/79



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: 221.361+/-864.775 χ^2/NDF:13.4/22

Left: 141.481+/-615.932 χ^2/NDF: 41.5/45

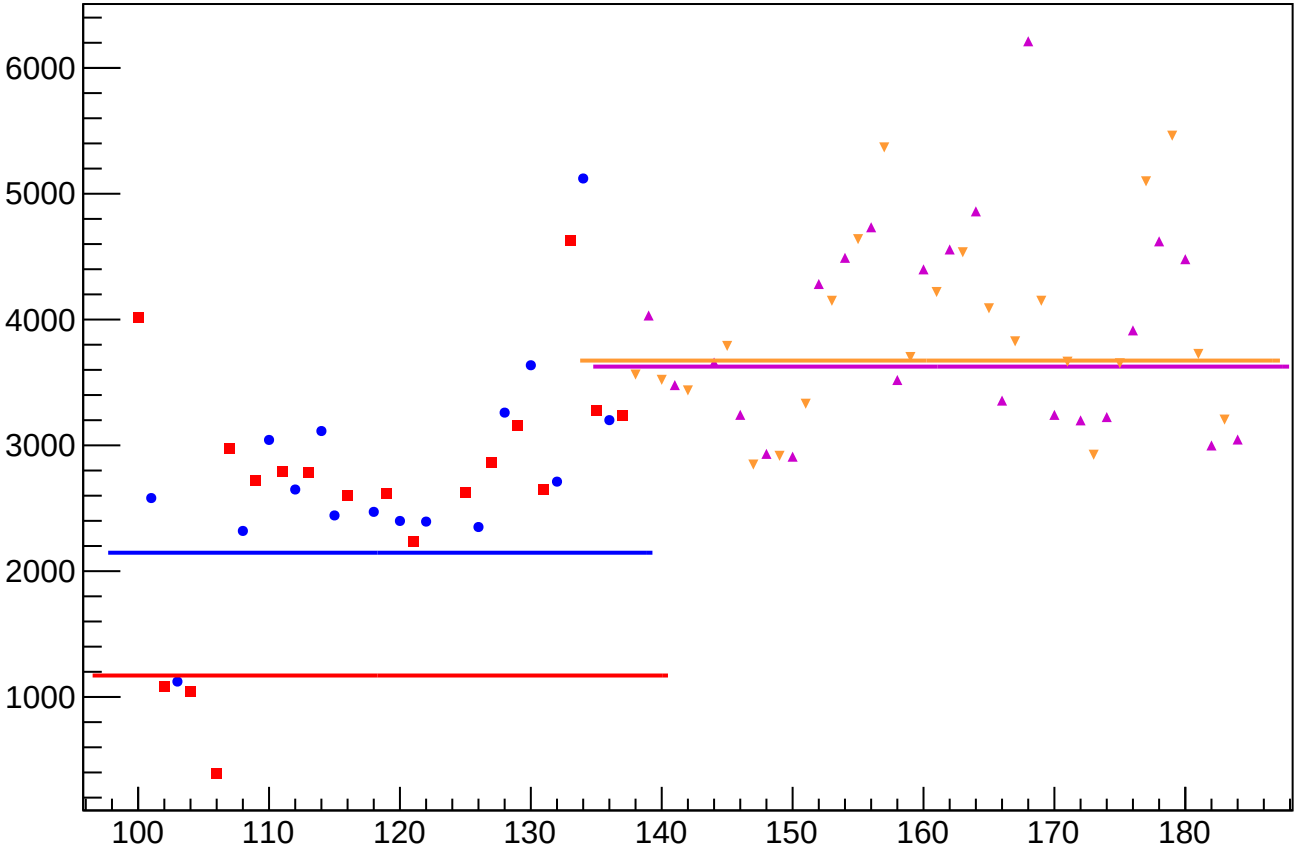
Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 385.158+/-614.768 χ^2/NDF:27.9/38

Out: -265.418+/-475.560 χ^2/NDF:44.9/40

All: -21.860+/-376.152 χ^2/NDF: 73.5/79

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



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: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

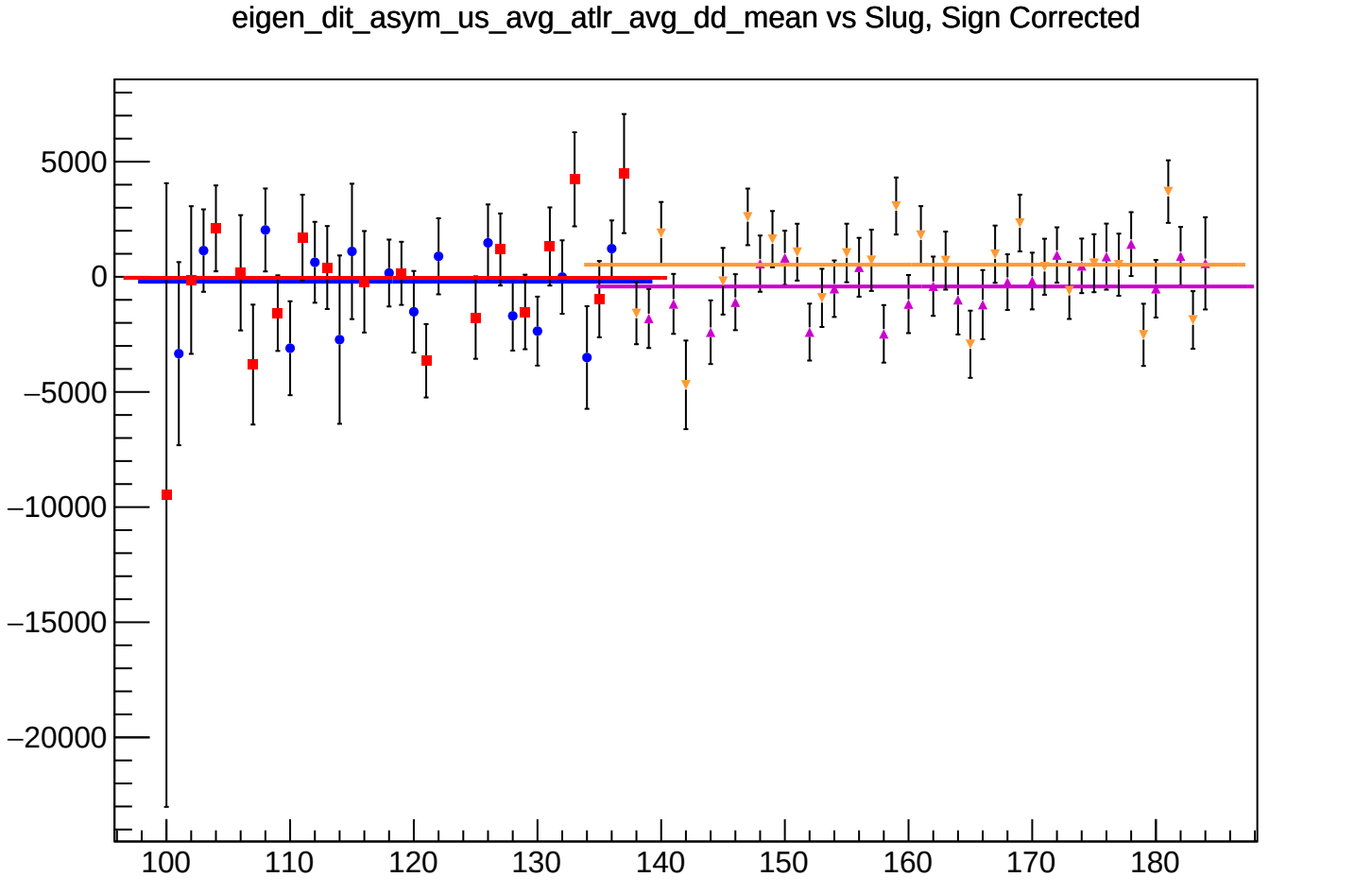
Left: 3649.560+/-0.436 χ^2/NDF: 2349117.1/45

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2894.234+/-0.435 χ^2/NDF:6127482.7/38

Out: 1905.847+/-0.336 χ^2/NDF:18401940.1/40

All: 2275.872+/-0.266 χ^2/NDF: 27763702.4/7



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 526.164+/-271.375 χ^2/NDF:44.7/22

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -421.022+/-269.815 χ^2/NDF:18.0/22

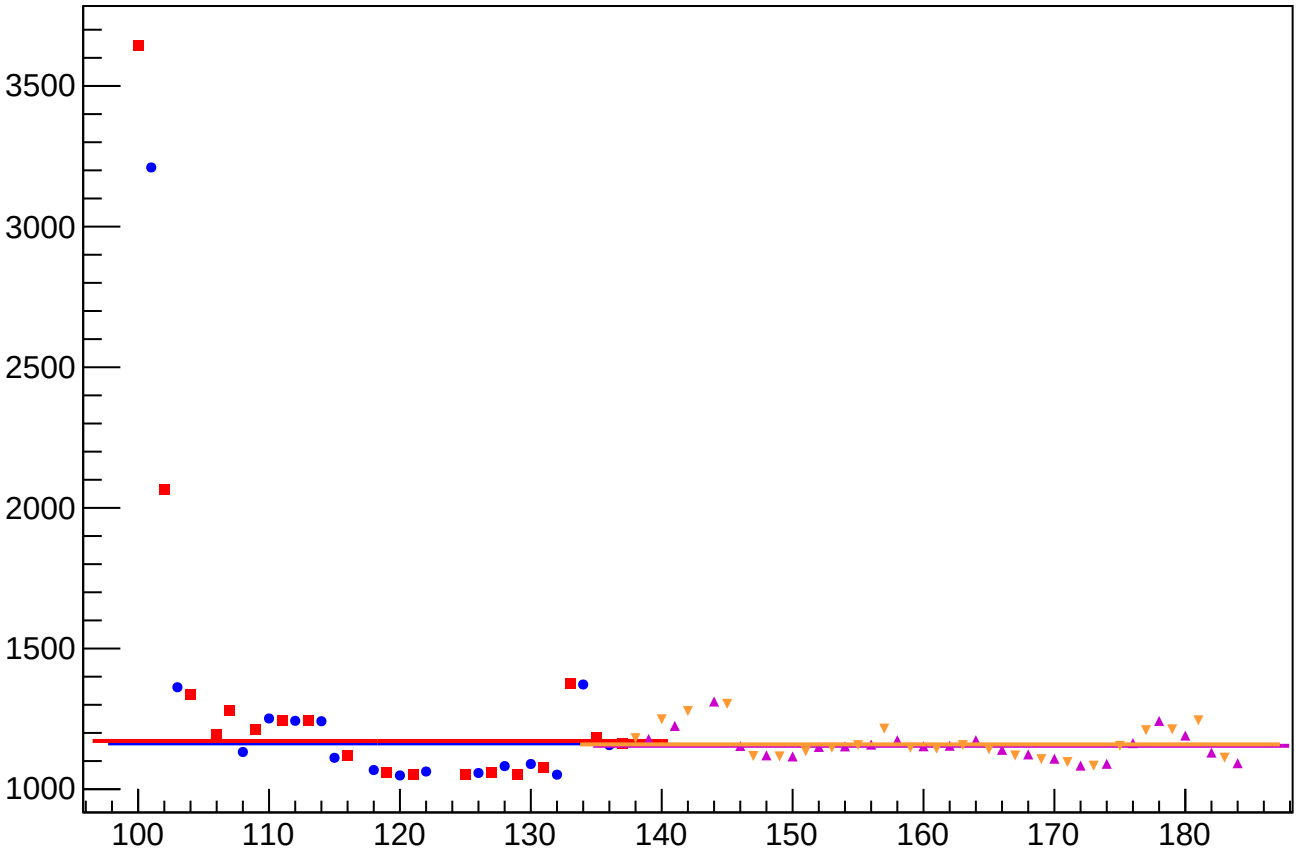
Left: 49.841+/-191.337 χ^2/NDF: 68.8/45

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -364.698+/-230.394 χ^2/NDF:32.5/38

Out: 372.308+/-232.003 χ^2/NDF:67.6/40

All: 1.240+/-163.479 χ^2/NDF: 105.1/79



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: 1154.232+/-0.191 χ^2/NDF:66479.5/22

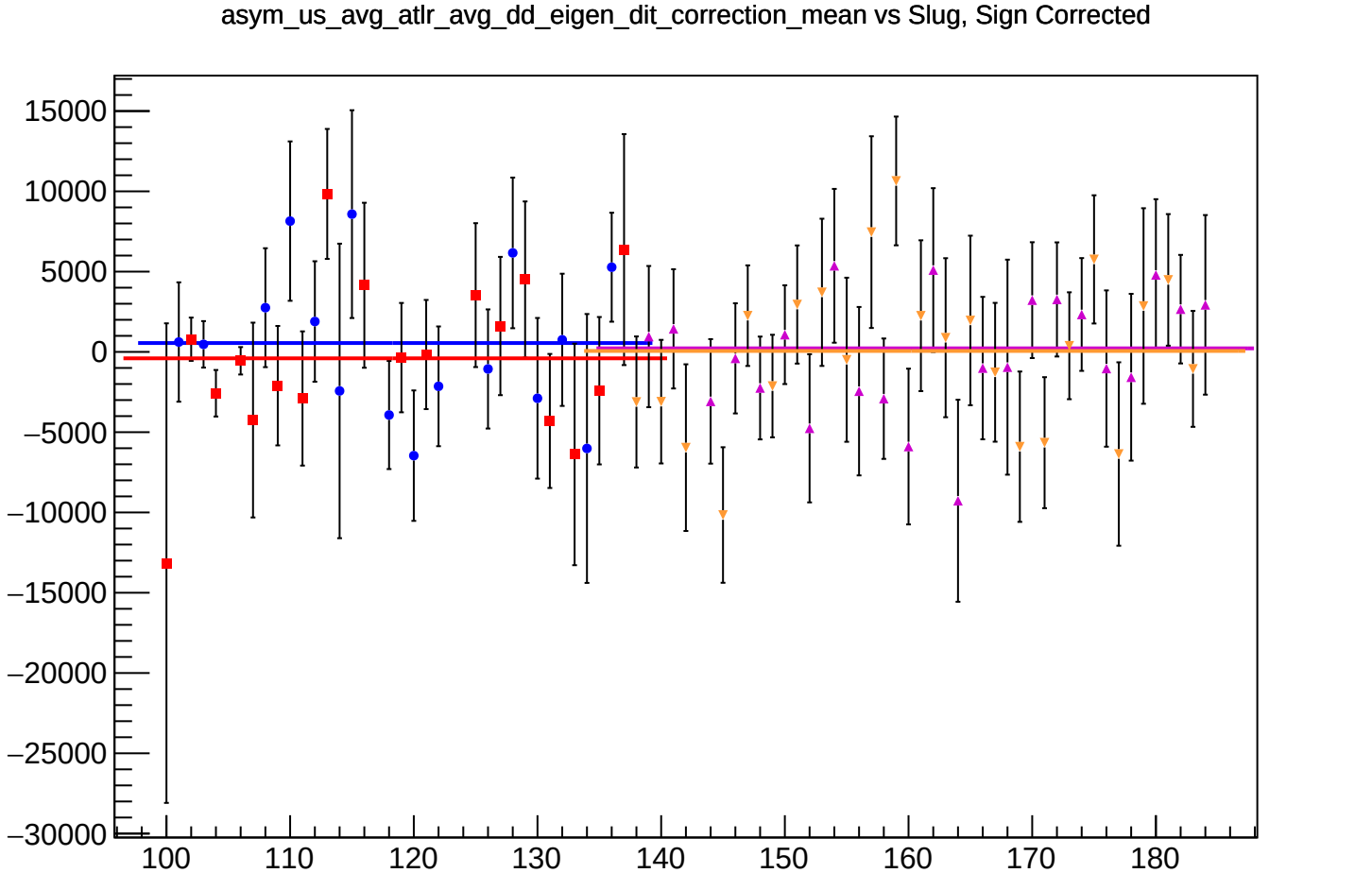
Left: 1156.768+/-0.135 χ^2/NDF: 148669.1/45

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1156.566+/-0.163 χ^2/NDF:702385.9/38

Out: 1162.589+/-0.164 χ^2/NDF:414543.0/40

All: 1159.557+/-0.116 χ^2/NDF: 1117607.5/79



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 59.234+/-877.483 χ^2/NDF:28.1/22

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

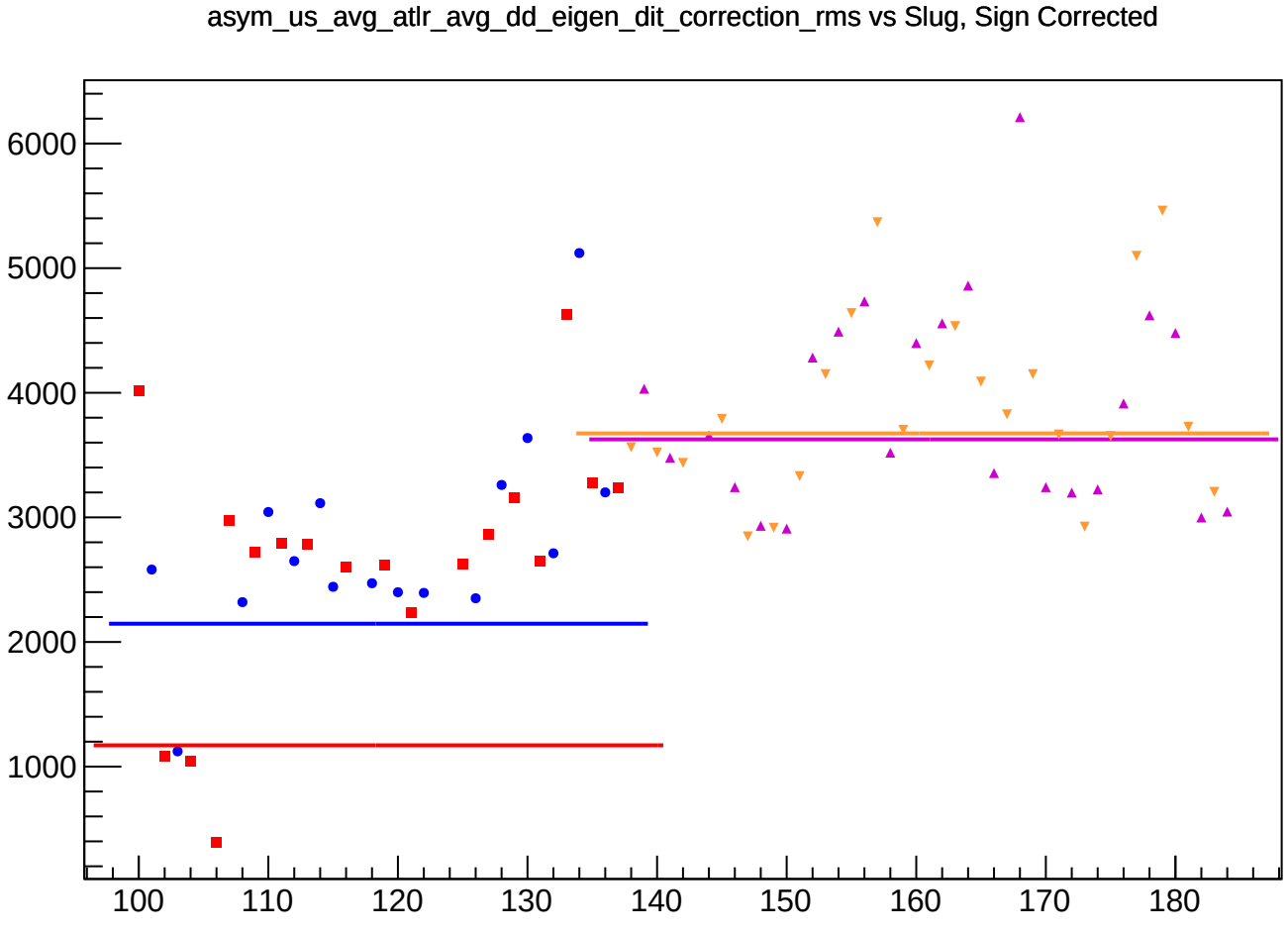
Left: 141.481+/-615.933 χ^2/NDF: 41.5/45

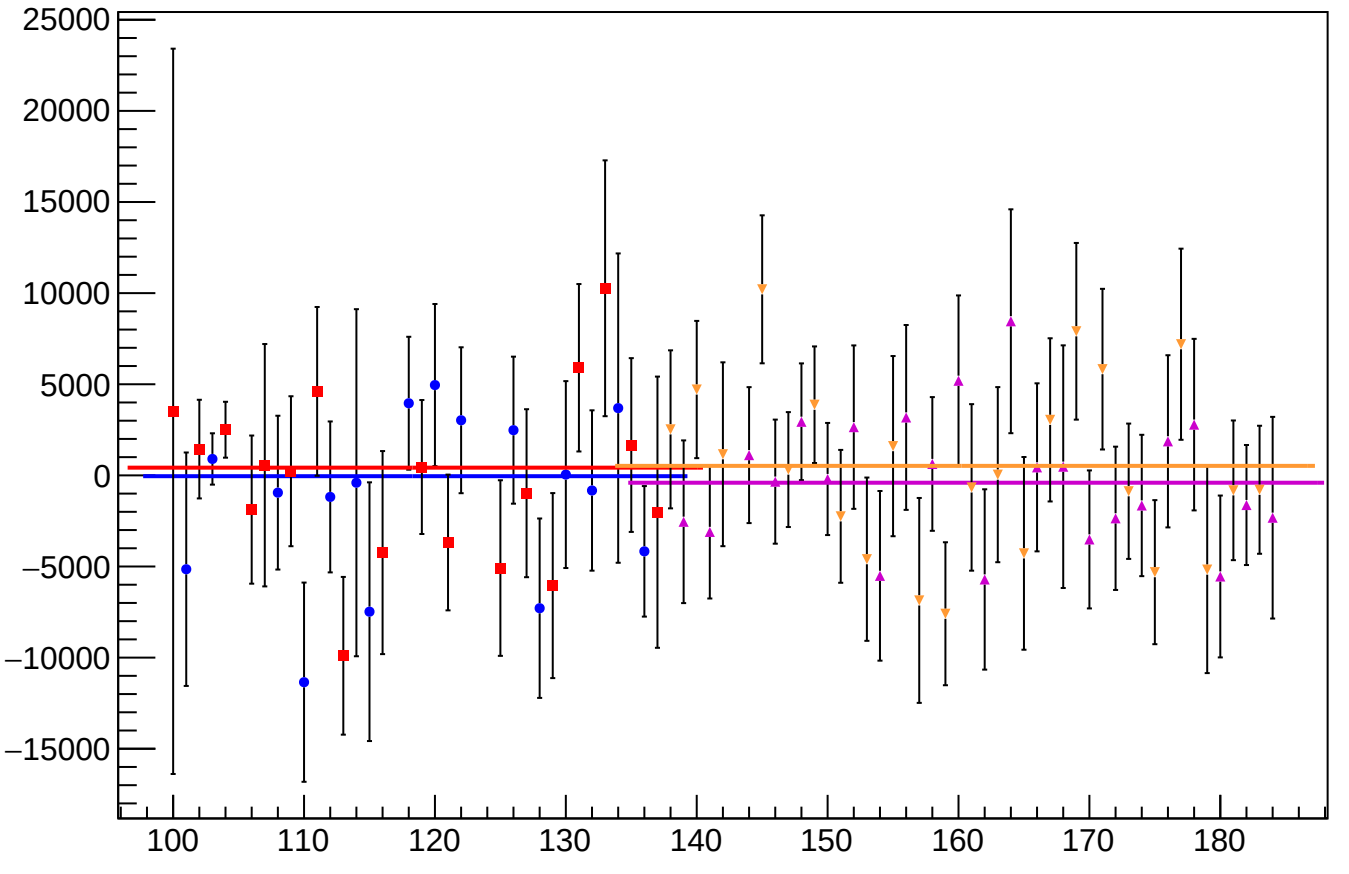
Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

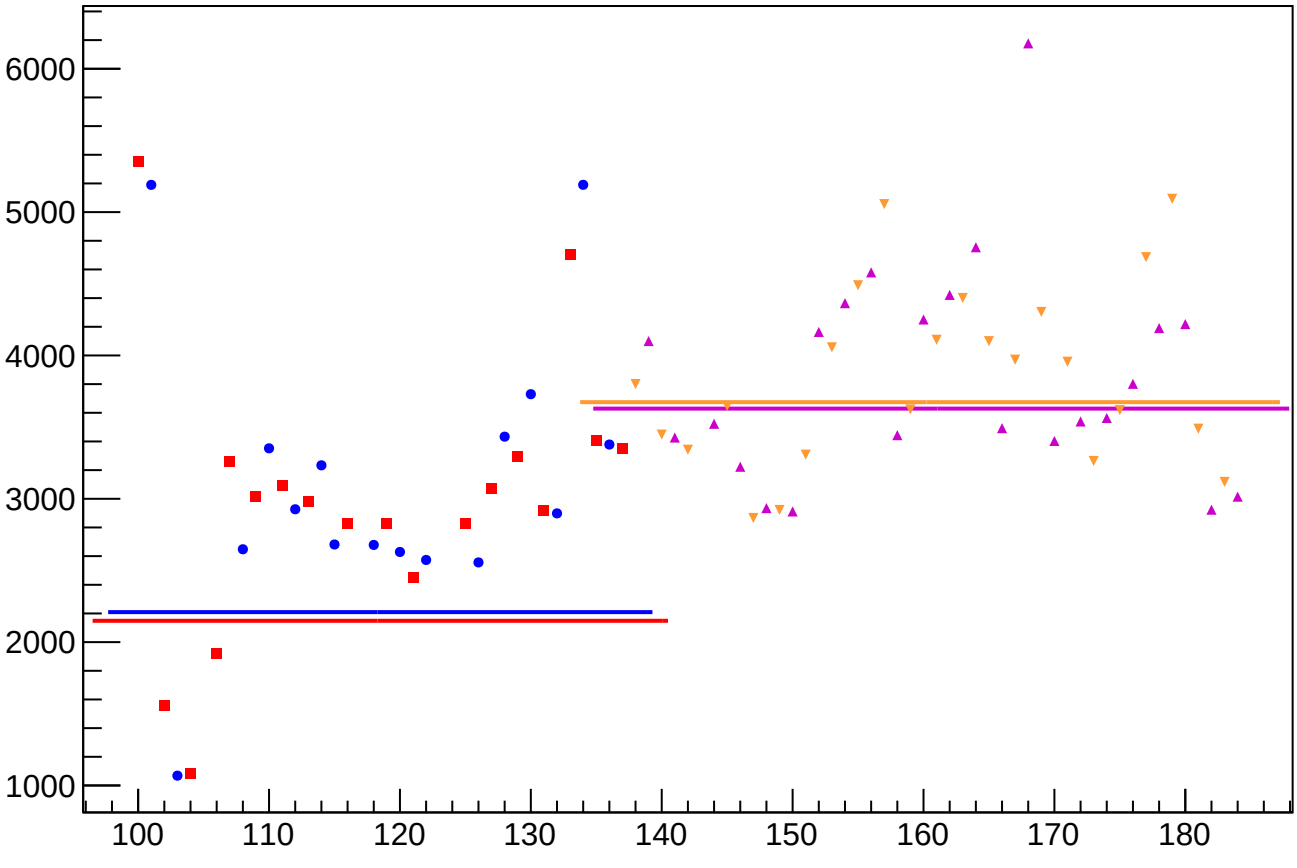
In: 385.156+/-614.768 χ^2/NDF:27.9/38

Out: -265.422+/-475.556 χ^2/NDF:44.9/40

All: -21.866+/-376.150 χ^2/NDF: 73.5/79


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
Right In: 2146.613+/-0.618 χ²/NDF: 1974719.3/15
Left Out: 3673.885+/-0.620 χ²/NDF:1088163.3/22
Right Out: 1170.550+/-0.400 χ²/NDF: 5817605.6/17
Left In: 3625.945+/-0.611 χ²/NDF:1257933.0/22
Left: 3649.565+/-0.436 χ²/NDF: 2349124.6/45
Right: 1458.789+/-0.336 χ²/NDF: 9549586.1/33
In: 2894.233+/-0.435 χ²/NDF:6127514.8/38
Out: 1905.818+/-0.336 χ²/NDF:18402387.8/40
All: 2275.849+/-0.266 χ²/NDF: 27764382.3/7


asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -44.874+/-920.736 χ²/NDF: 13.7/15
Left Out: 521.879+/-874.167 χ²/NDF:26.4/22
Right Out: 423.476+/-896.736 χ²/NDF: 17.3/17
Left In: -403.543+/-862.437 χ²/NDF:12.3/22
Left: 52.918+/-613.940 χ²/NDF: 39.3/45
Right: 195.485+/-642.405 χ²/NDF: 31.2/33
In: -235.922+/-629.437 χ²/NDF:26.1/38
Out: 473.931+/-625.956 χ²/NDF:43.7/40
All: 120.973+/-443.843 χ²/NDF: 70.5/79



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: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

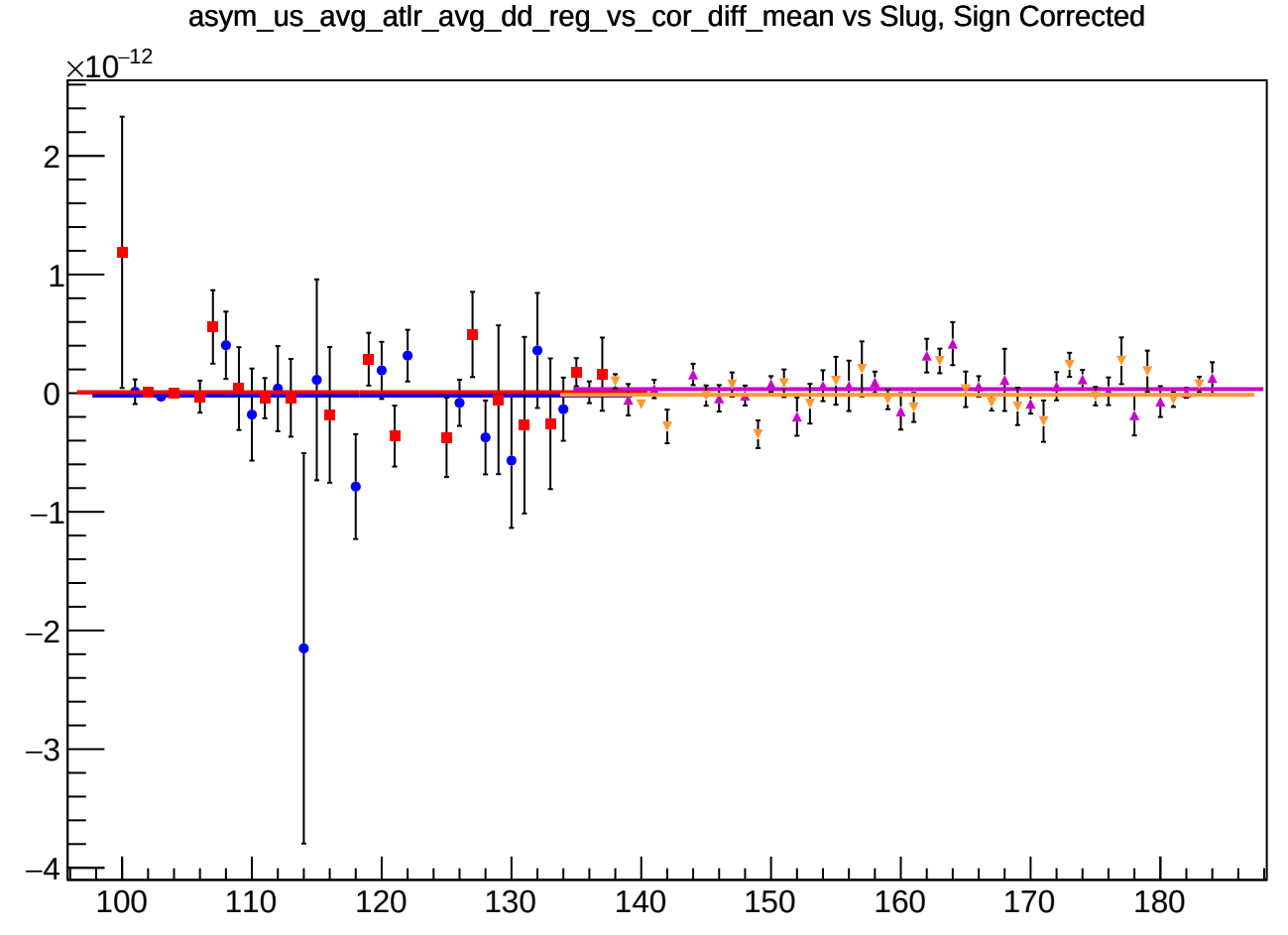
Left: 3651.350+/-0.434 χ^2/NDF: 1933999.6/45

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2965.634+/-0.445 χ^2/NDF:6425120.4/38

Out: 2929.145+/-0.442 χ^2/NDF:6119789.2/40

All: 2947.267+/-0.314 χ^2/NDF: 12548292.9/7



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

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

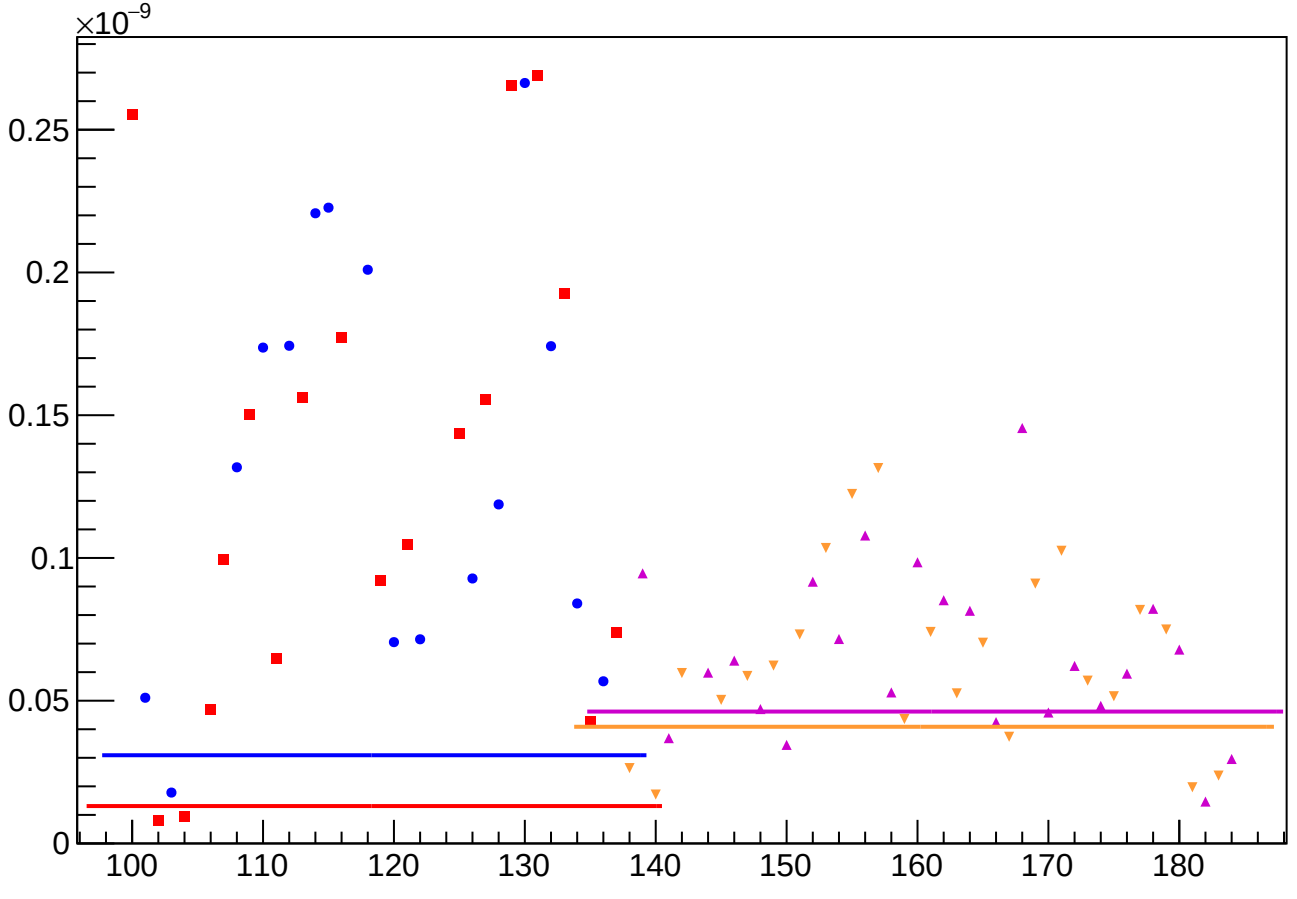
Left: 0.000+/-0.000 χ^2/NDF: 71.0/45

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:39.4/38

Out: 0.000+/-0.000 χ^2/NDF:60.0/40

All: 0.000+/-0.000 χ^2/NDF: 99.8/79



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:2954466.9/22

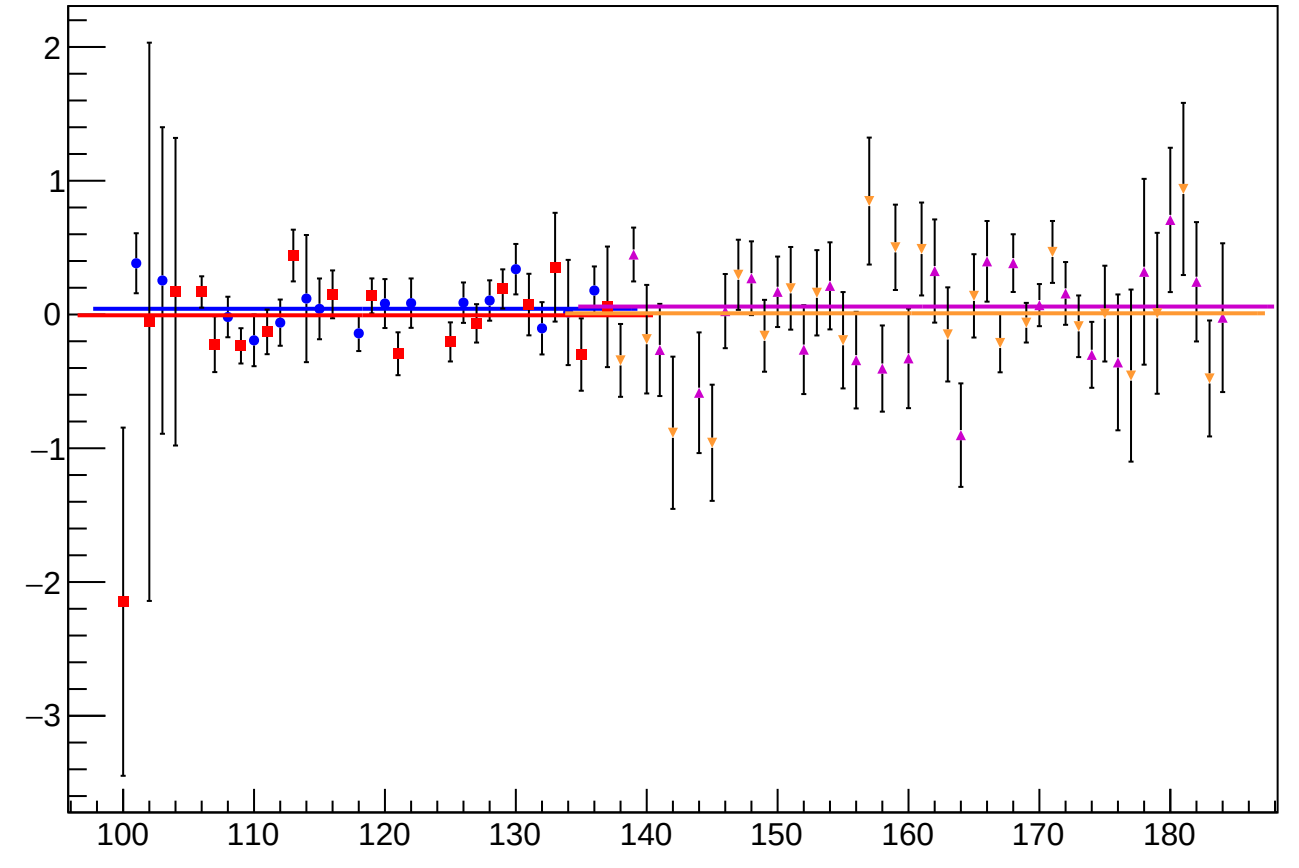
Left: 0.000+/-0.000 χ^2/NDF: 6404160.2/45

Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:6395795.3/38

Out: 0.000+/-0.000 χ^2/NDF:9716636.8/40

All: 0.000+/-0.000 χ^2/NDF: 17521075.9/79



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: 0.059+/-0.062 χ^2/NDF:27.9/22

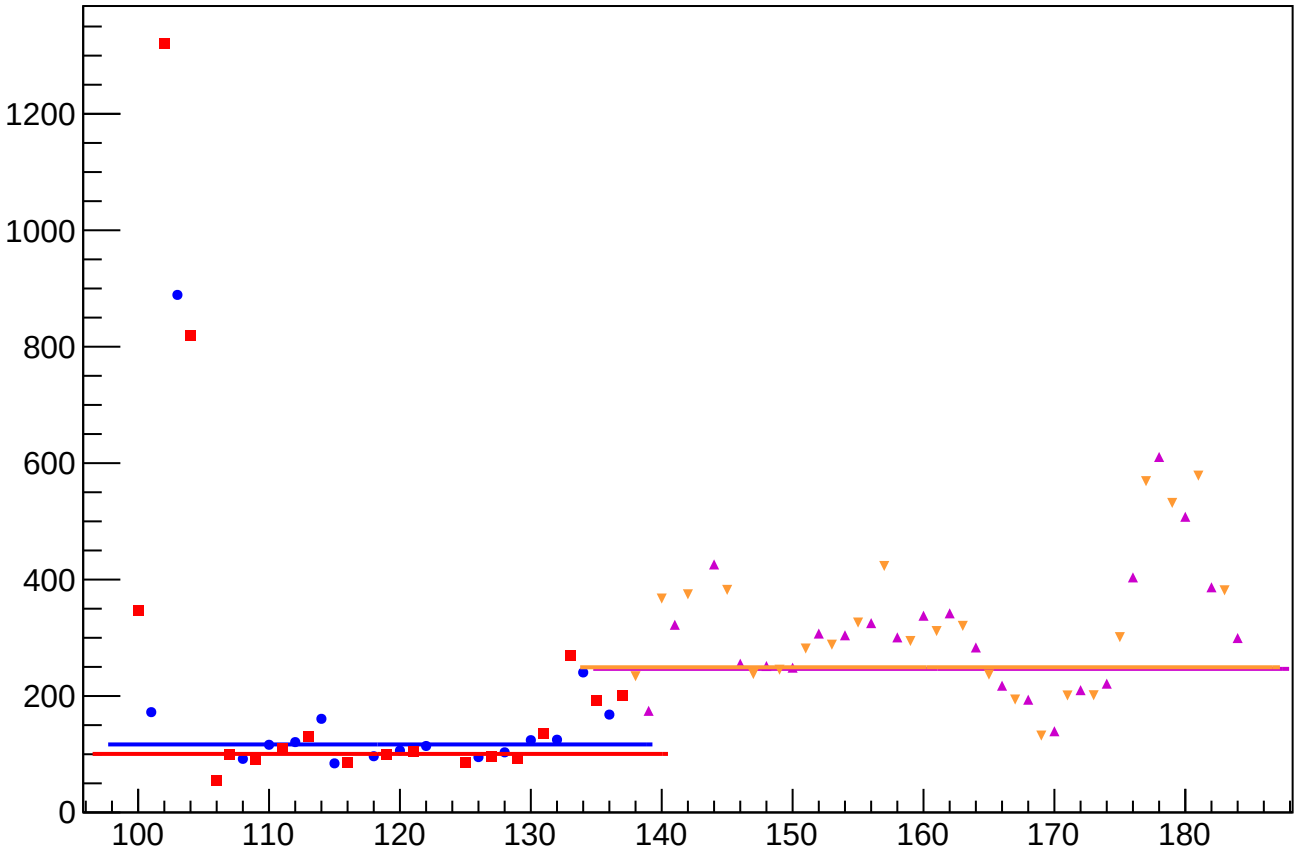
Left: 0.035+/-0.044 χ^2/NDF: 57.1/45

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.049+/-0.038 χ^2/NDF:38.2/38

Out: -0.001+/-0.036 χ^2/NDF:54.9/40

All: 0.023+/-0.026 χ^2/NDF: 94.1/79



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: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 247.978+/-0.031 χ^2/NDF: 8081058.3/45

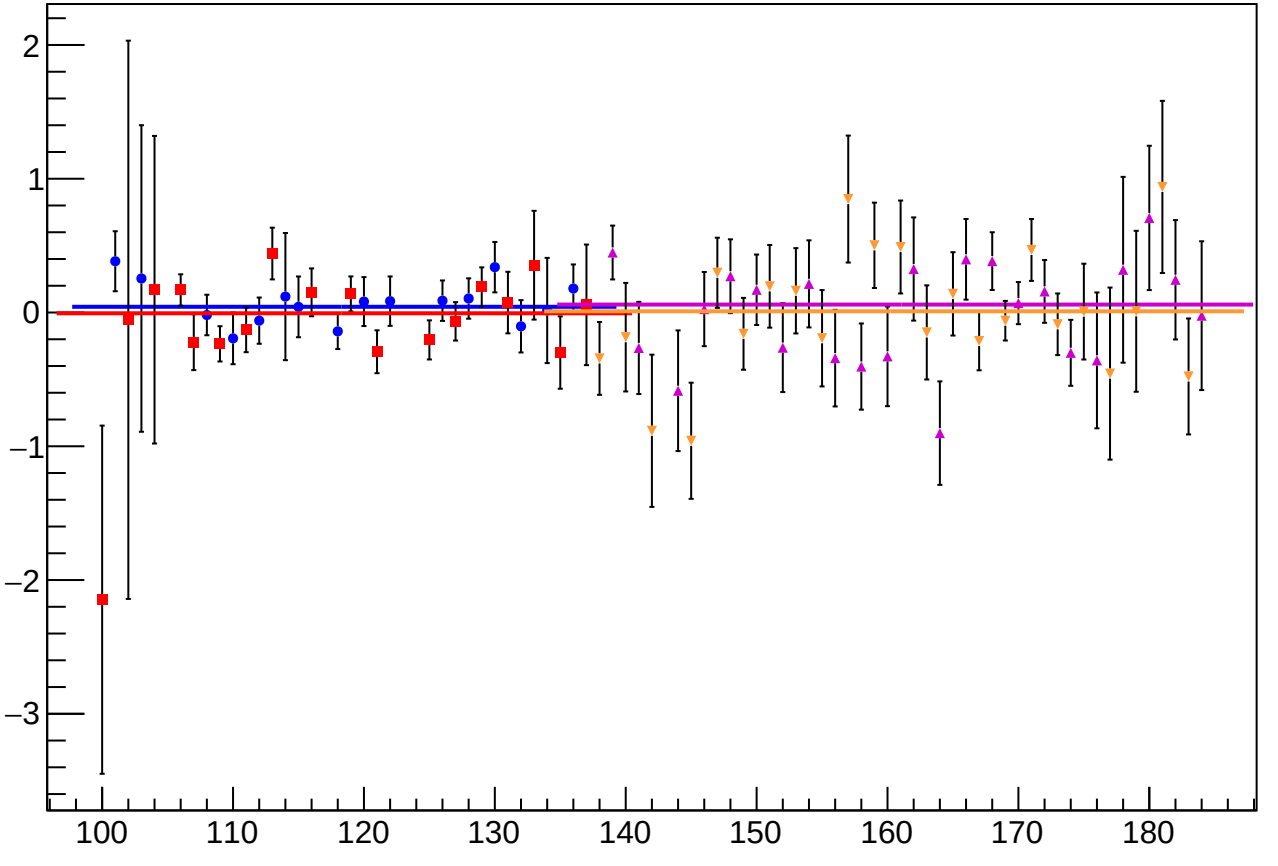
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 164.791+/-0.027 χ^2/NDF:10918446.1/38

Out: 148.148+/-0.025 χ^2/NDF:14500085.0/40

All: 156.036+/-0.018 χ^2/NDF: 25623657.4/79

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: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.035+/-0.044 χ^2/NDF: 57.1/45

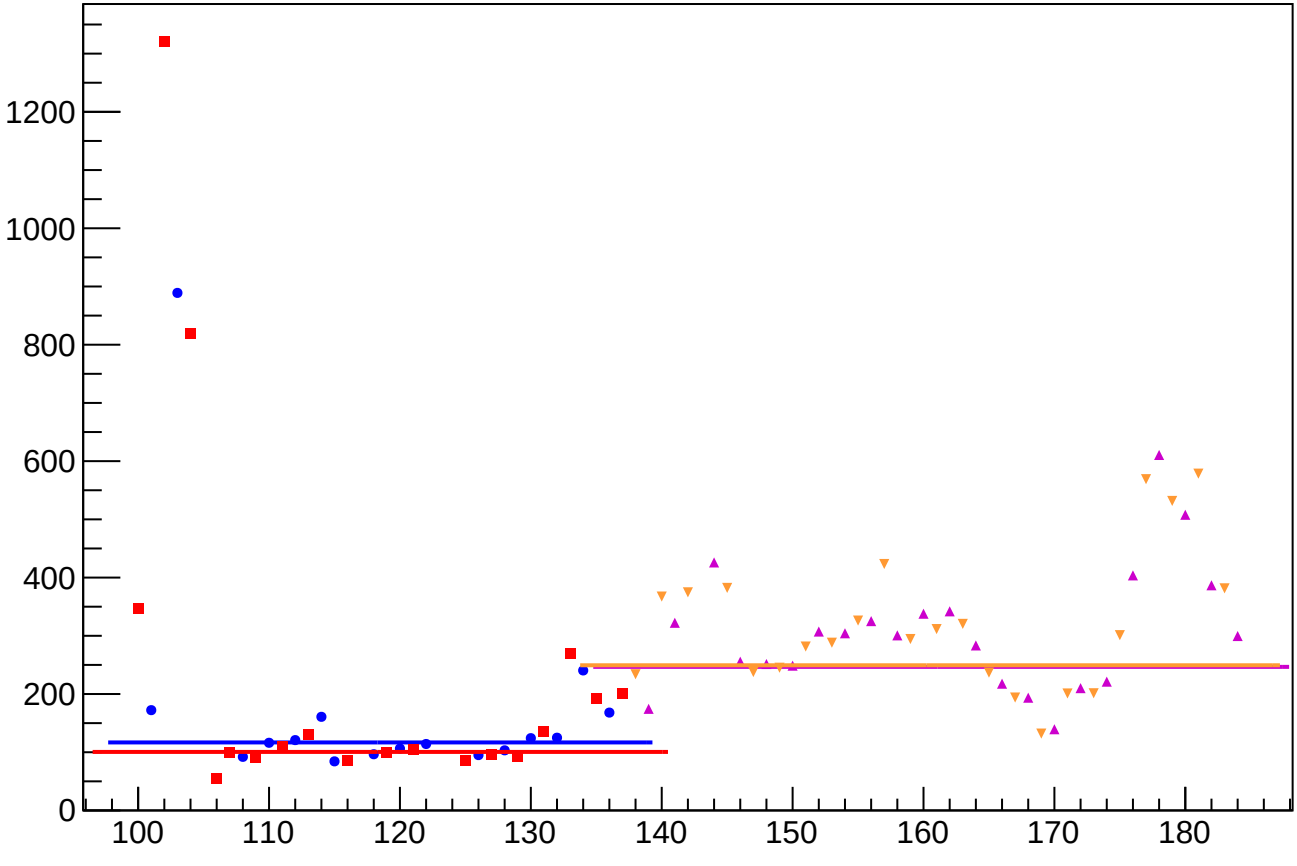
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.049+/-0.038 χ^2/NDF:38.2/38

Out: -0.001+/-0.036 χ^2/NDF:54.9/40

All: 0.023+/-0.026 χ^2/NDF: 94.1/79

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: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 247.978+/-0.031 χ^2/NDF: 8081058.3/45

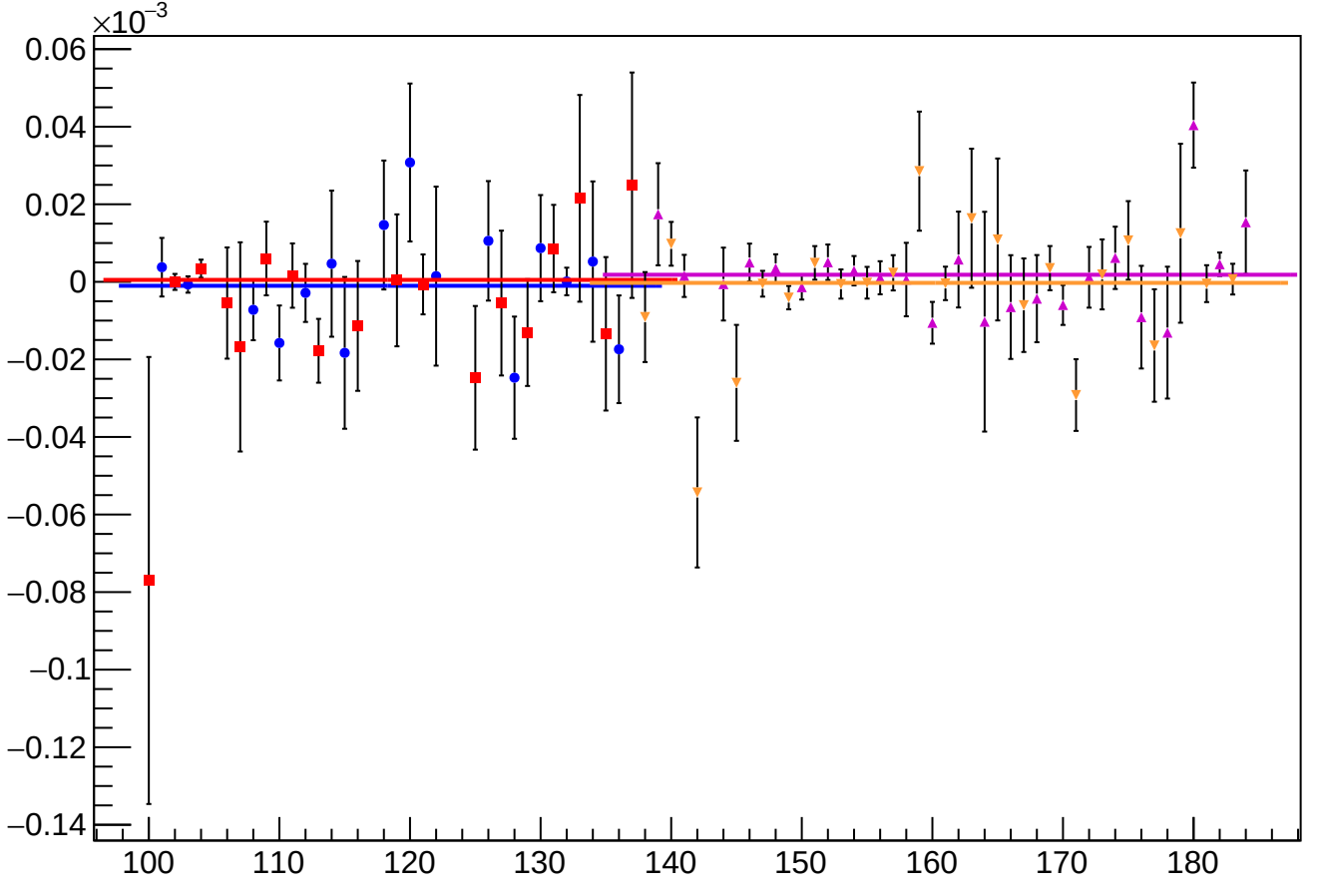
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 164.791+/-0.027 χ^2/NDF:10918446.1/38

Out: 148.148+/-0.025 χ^2/NDF:14500085.0/40

All: 156.036+/-0.018 χ^2/NDF: 25623657.4/79

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

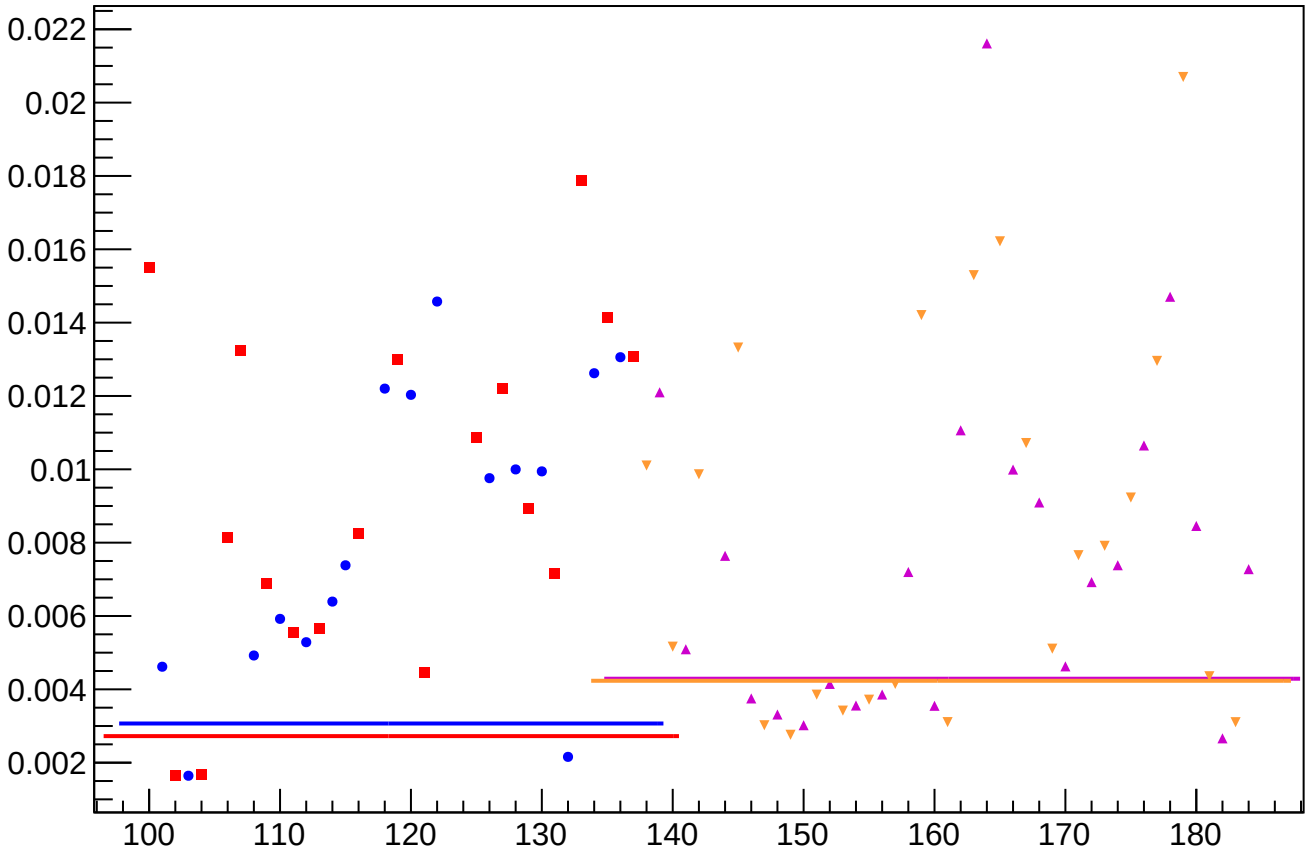
Left: 0.000+/-0.000 χ^2/NDF: 65.6/45

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:42.8/38

Out: 0.000+/-0.000 χ^2/NDF:51.1/40

All: 0.000+/-0.000 χ^2/NDF: 94.3/79



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:6598609.8/22

Left: 0.004+/-0.000 χ^2/NDF: 14984227.0/45

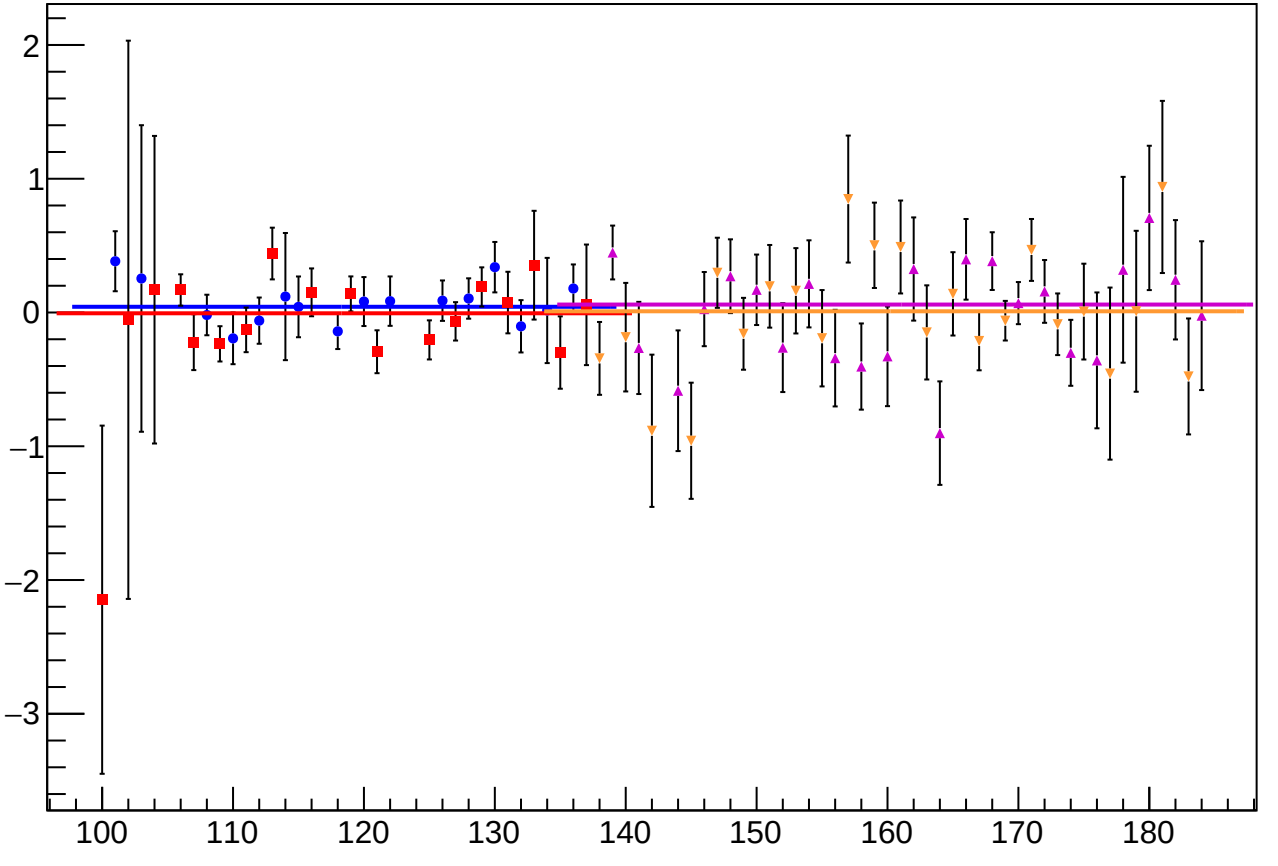
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:13325311.0/38

Out: 0.004+/-0.000 χ^2/NDF:16467129.3/40

All: 0.004+/-0.000 χ^2/NDF: 29859662.4/79

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: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.035+/-0.044 χ^2/NDF: 57.1/45

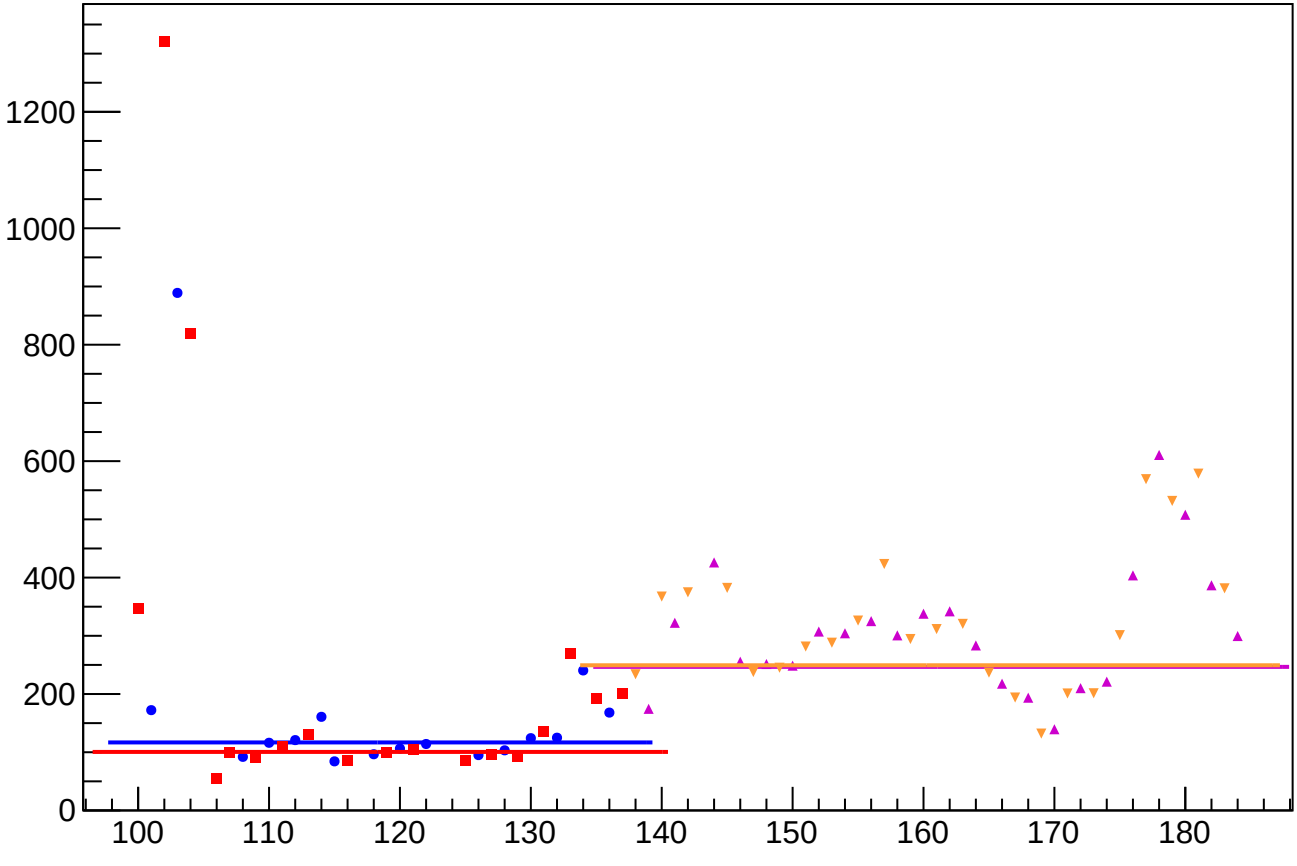
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.049+/-0.038 χ^2/NDF:38.2/38

Out: -0.001+/-0.036 χ^2/NDF:54.9/40

All: 0.023+/-0.026 χ^2/NDF: 94.1/79

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: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 247.979+/-0.031 χ^2/NDF: 8081274.6/45

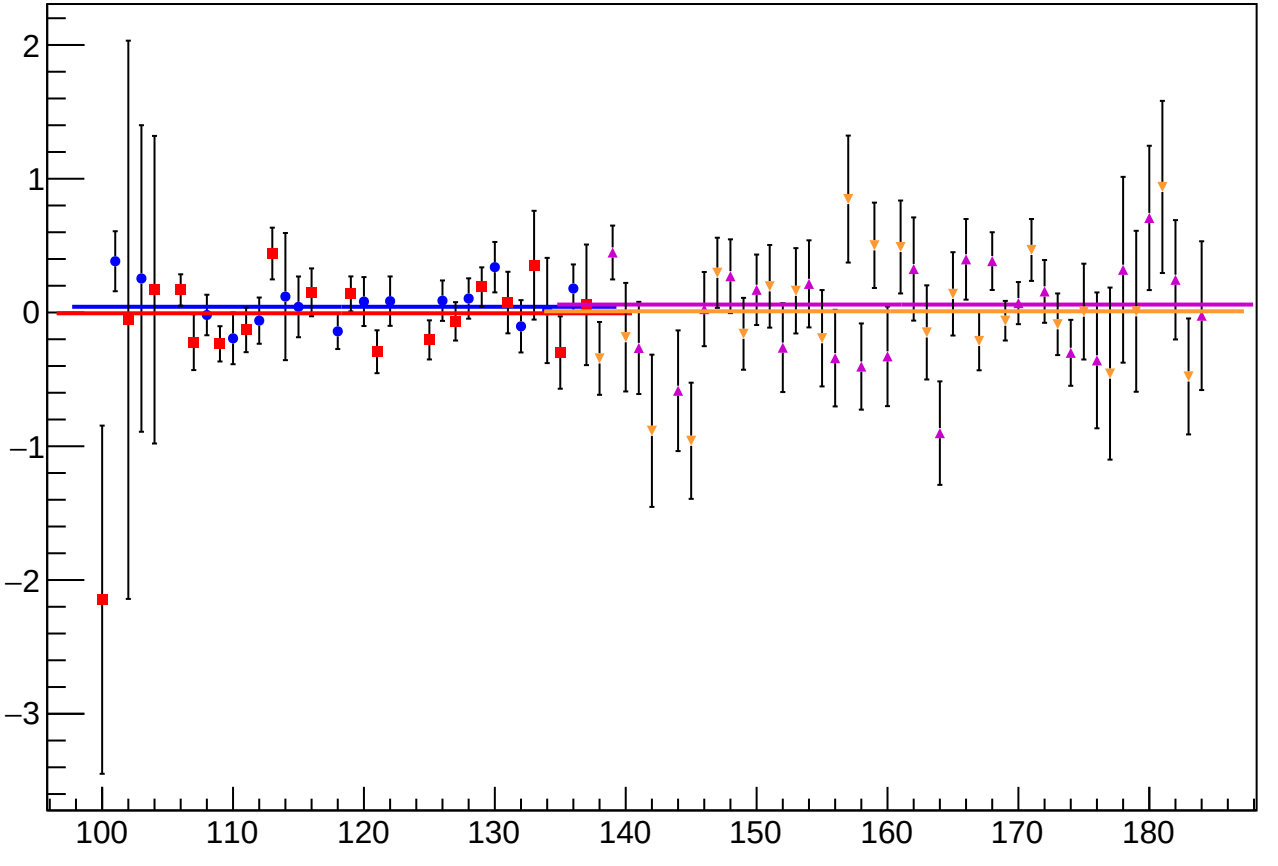
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 164.791+/-0.027 χ^2/NDF:10918599.7/38

Out: 148.147+/-0.025 χ^2/NDF:14500436.0/40

All: 156.036+/-0.018 χ^2/NDF: 25624191.7/79

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: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.035+/-0.044 χ^2/NDF: 57.1/45

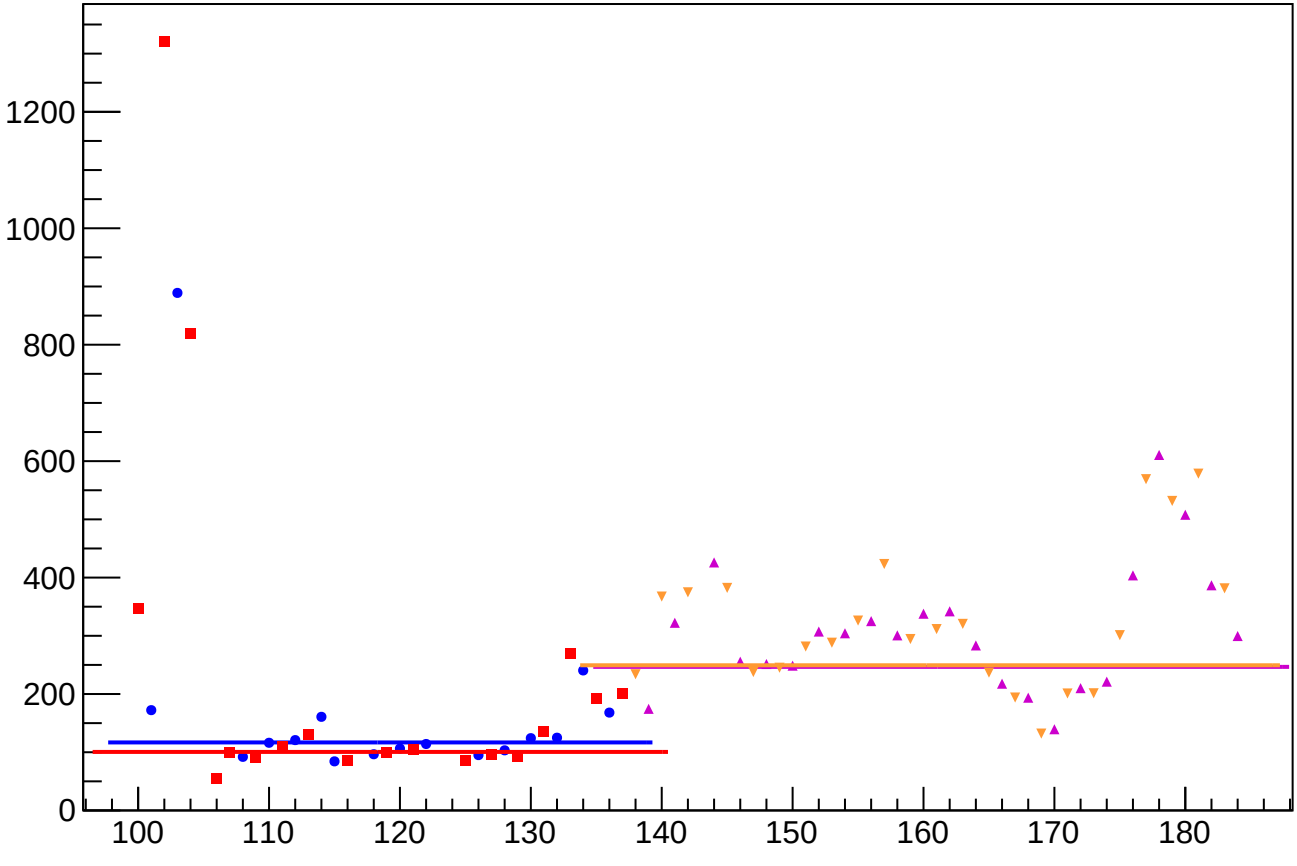
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.049+/-0.038 χ^2/NDF:38.2/38

Out: -0.001+/-0.036 χ^2/NDF:54.9/40

All: 0.023+/-0.026 χ^2/NDF: 94.1/79

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: 246.632+/-0.044 χ^2/NDF:3773144.3/22

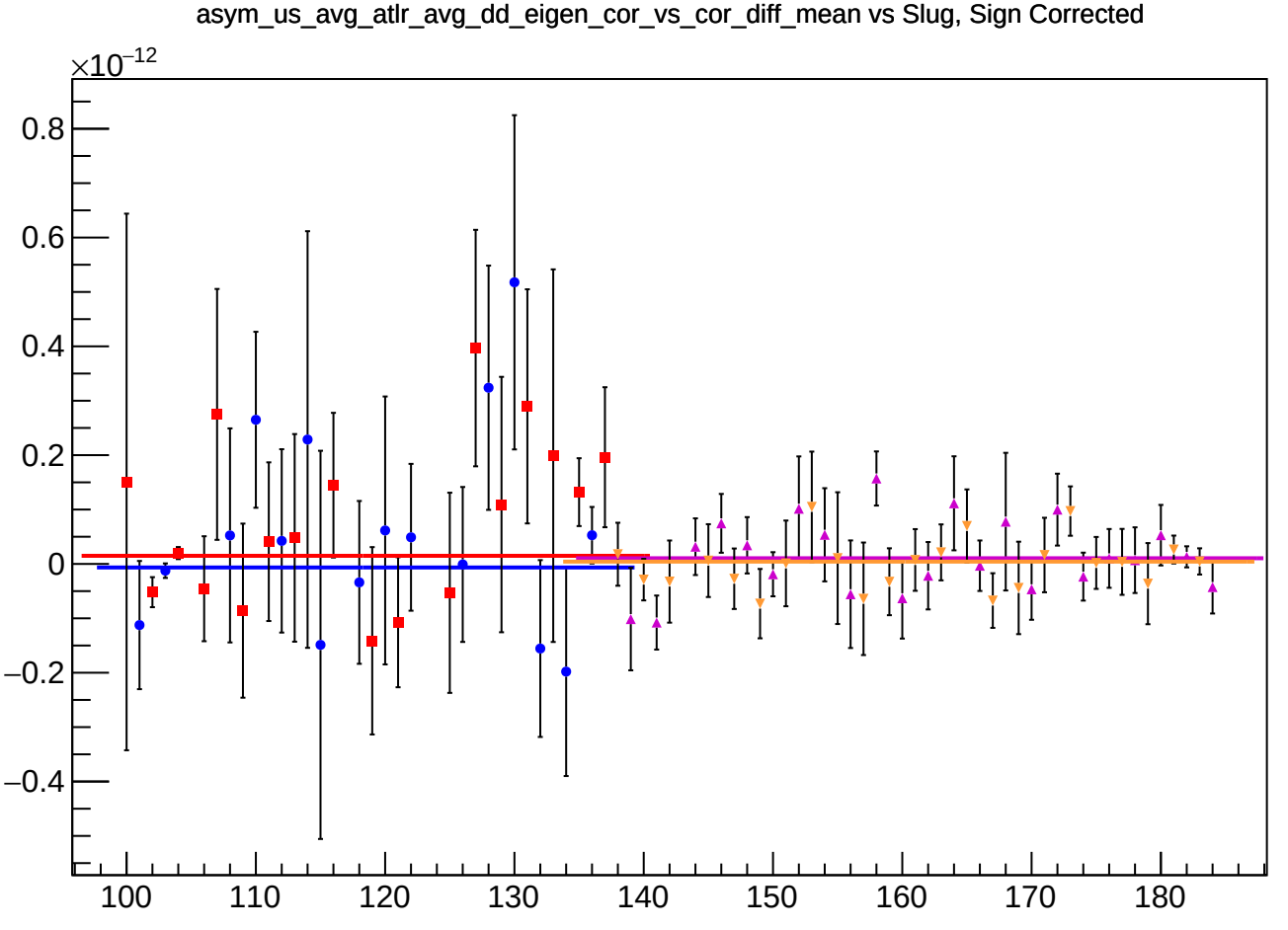
Left: 247.979+/-0.031 χ^2/NDF: 8081274.6/45

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 164.791+/-0.027 χ^2/NDF:10918599.7/38

Out: 148.147+/-0.025 χ^2/NDF:14500436.0/40

All: 156.036+/-0.018 χ^2/NDF: 25624191.7/79



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:27.9/22

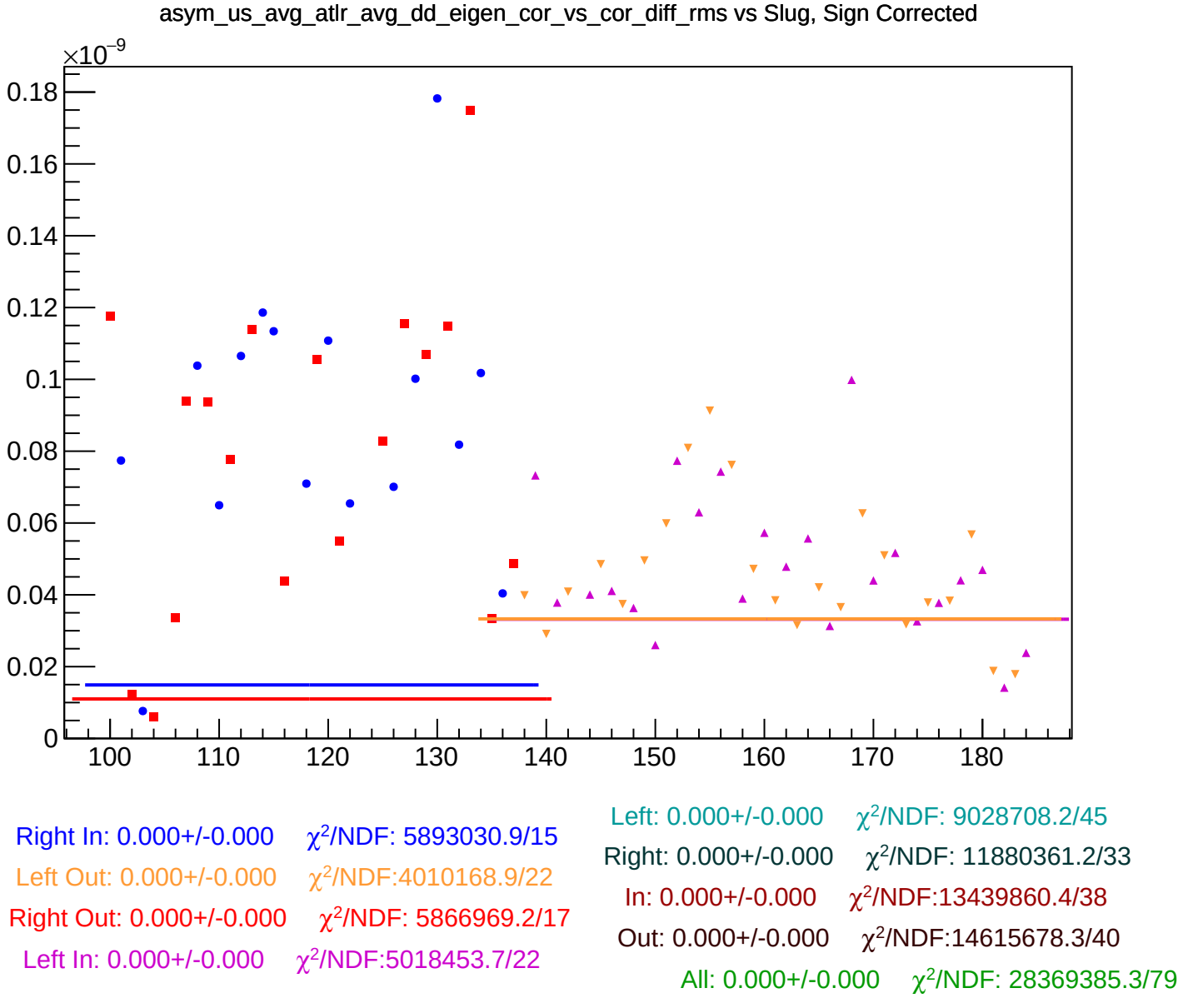
Left: 0.000+/-0.000 χ^2/NDF: 41.4/45

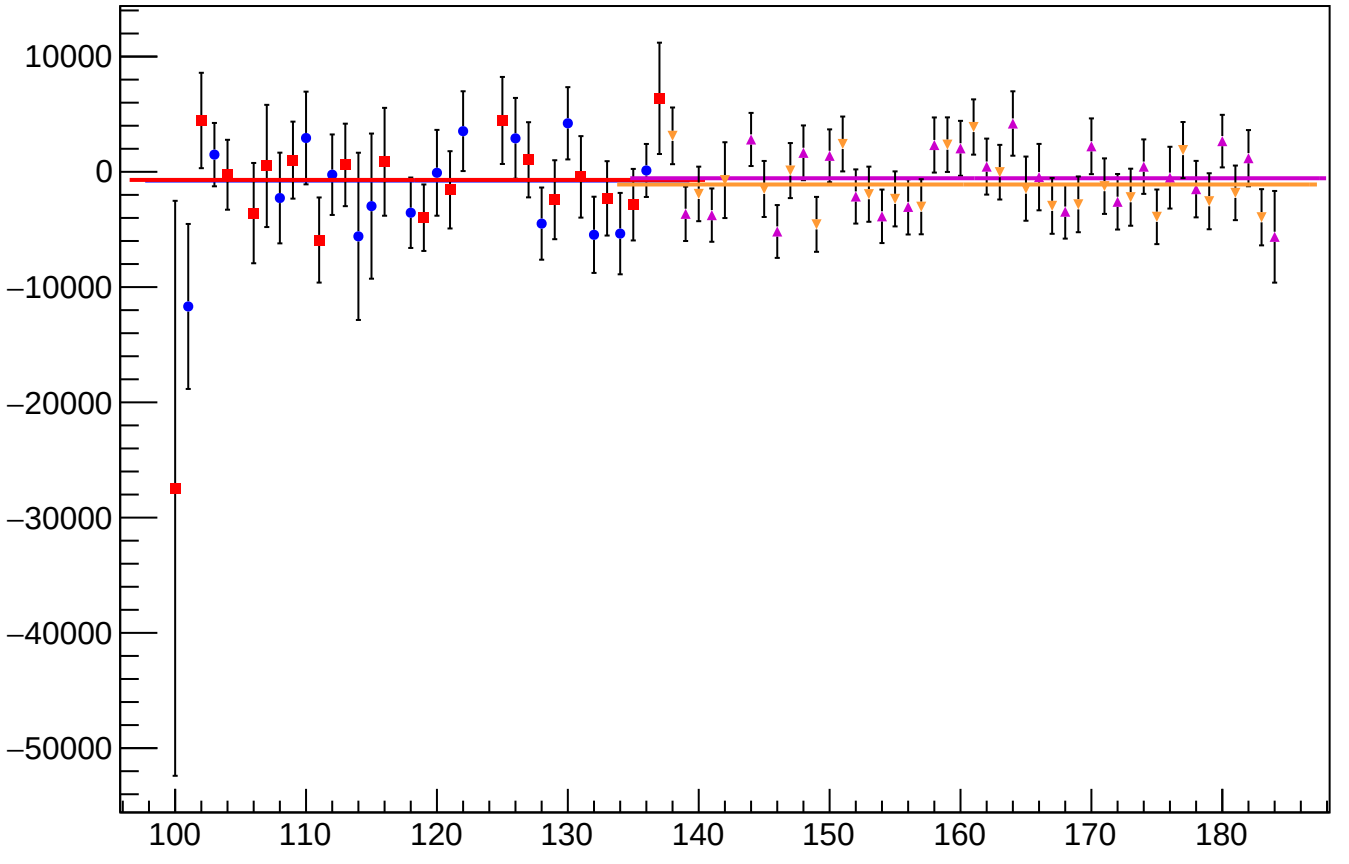
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:42.0/38

Out: 0.000+/-0.000 χ^2/NDF:35.7/40

All: 0.000+/-0.000 χ^2/NDF: 78.1/79


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:4010168.9/22
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:5018453.7/22
Left: 0.000+/-0.000 χ²/NDF: 9028708.2/45
Right: 0.000+/-0.000 χ²/NDF: 11880361.2/33
In: 0.000+/-0.000 χ²/NDF:13439860.4/38
Out: 0.000+/-0.000 χ²/NDF:14615678.3/40
All: 0.000+/-0.000 χ²/NDF: 28369385.3/79



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: -557.052+/-509.208 χ^2/NDF:28.7/22

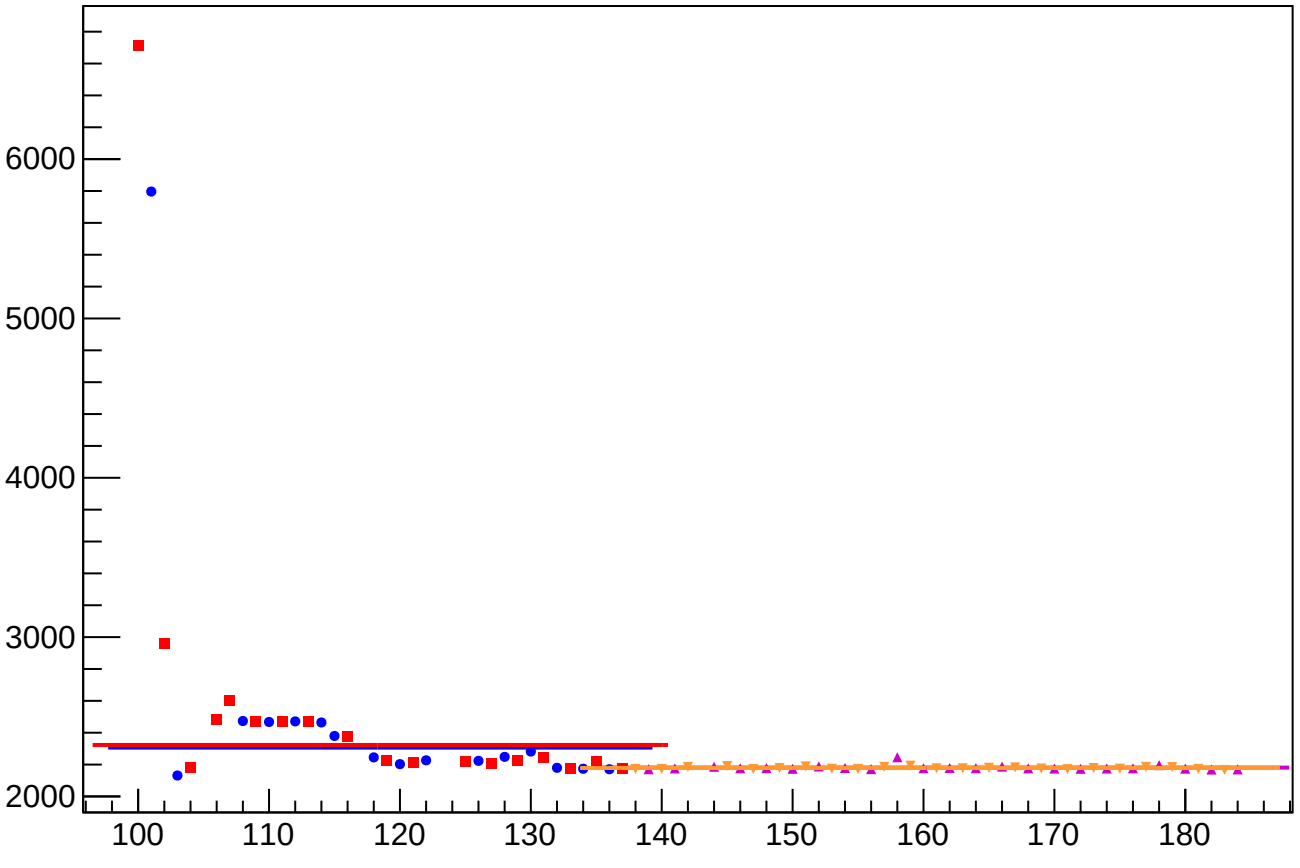
Left: -827.698+/-360.042 χ^2/NDF: 50.6/45

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -607.152+/-439.808 χ^2/NDF:44.6/38

Out: -996.997+/-439.252 χ^2/NDF:33.9/40

All: -802.321+/-310.794 χ^2/NDF: 78.9/79



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: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.669+/-0.255 χ^2/NDF: 2262.6/45

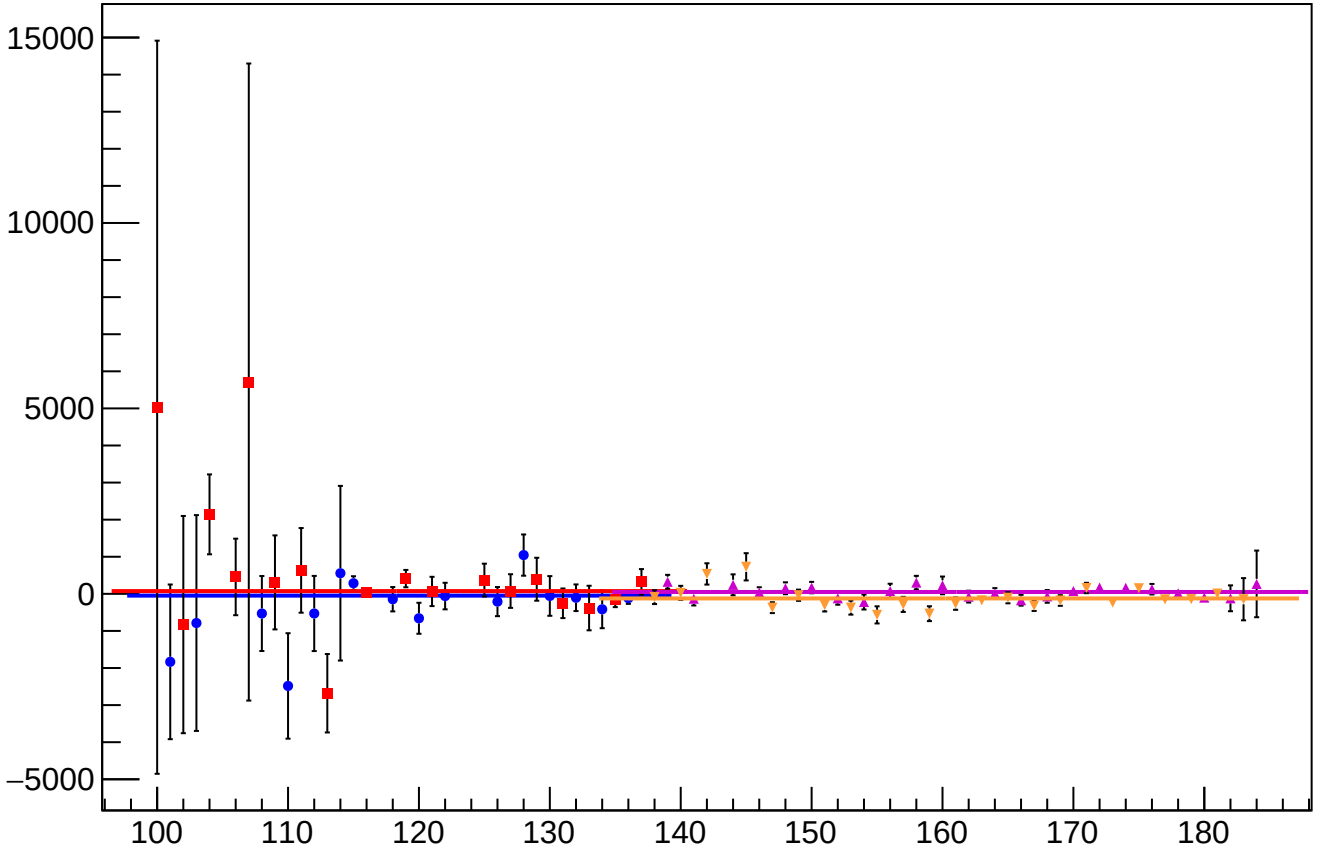
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2212.854+/-0.311 χ^2/NDF:546985.2/38

Out: 2215.393+/-0.311 χ^2/NDF:193404.3/40

All: 2214.125+/-0.220 χ^2/NDF: 740422.9/79

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: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -40.027+/-22.606 χ^2/NDF: 75.4/45

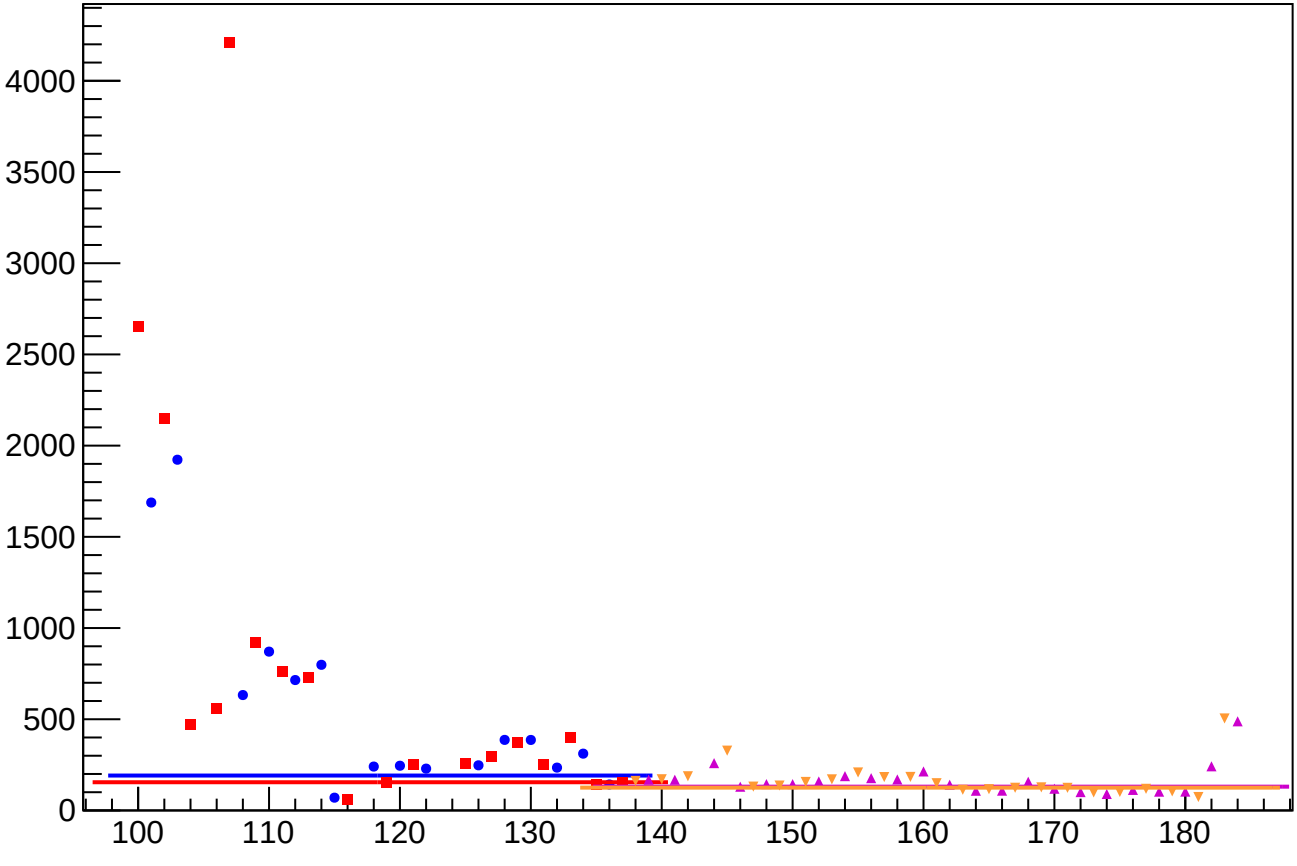
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 39.157+/-30.641 χ^2/NDF:33.6/38

Out: -99.047+/-29.360 χ^2/NDF:64.9/40

All: -32.893+/-21.199 χ^2/NDF: 109.2/79

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: 130.436+/-0.023 χ^2/NDF:2679692.6/22

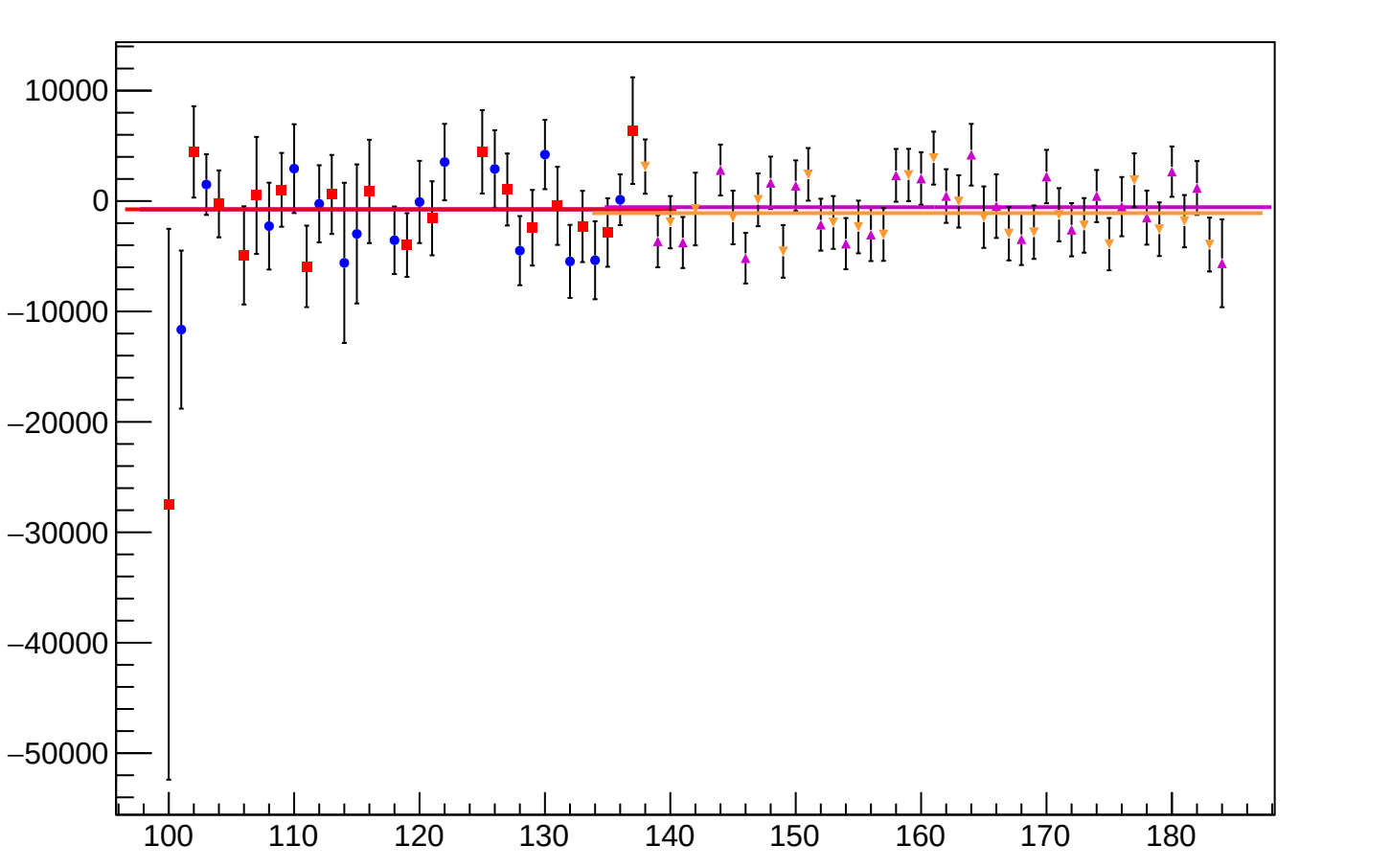
Left: 127.689+/-0.016 χ^2/NDF: 6359131.6/45

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 137.359+/-0.022 χ^2/NDF:8541091.7/38

Out: 128.880+/-0.021 χ^2/NDF:10030805.9/40

All: 132.939+/-0.015 χ^2/NDF: 18651736.1/79



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: -557.079+/-509.208 χ^2/NDF:28.7/22

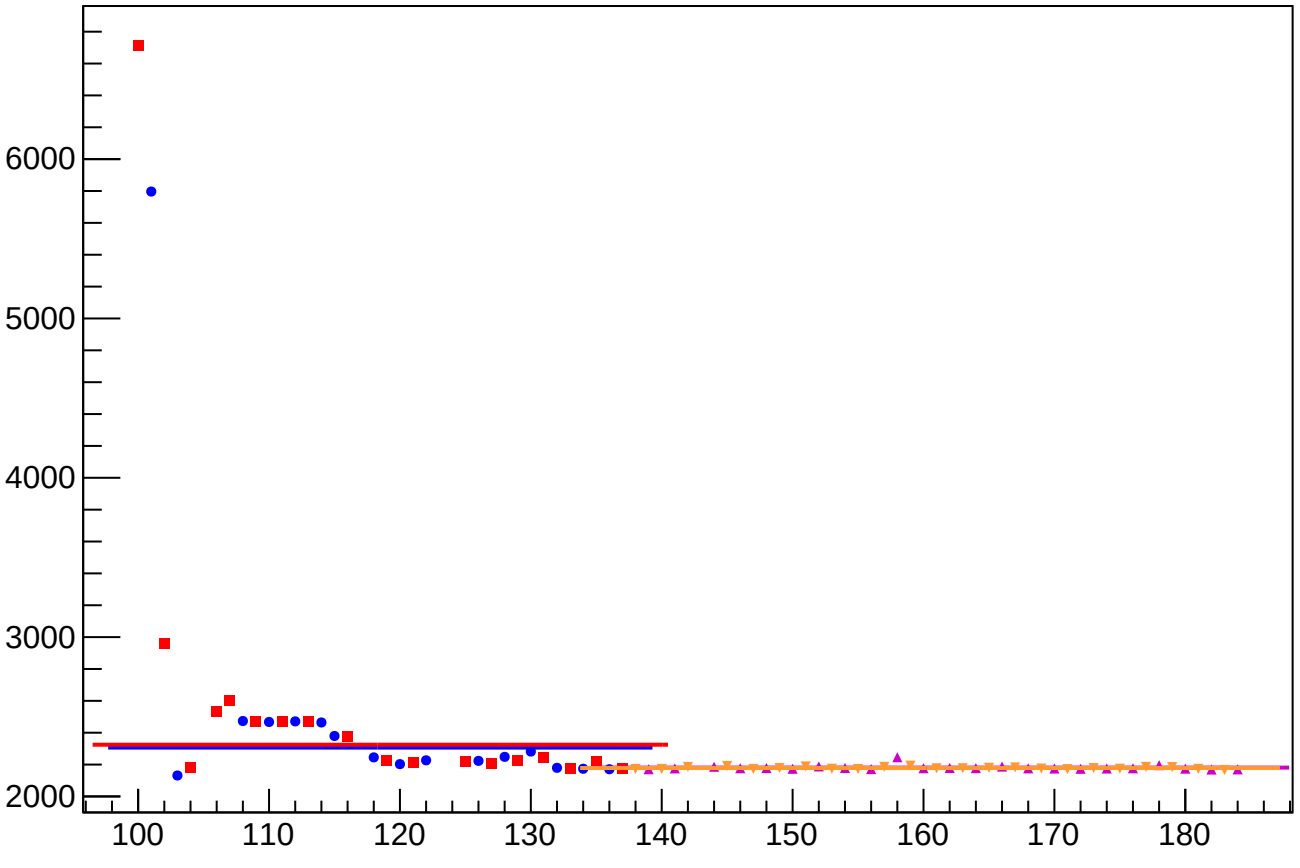
Left: -827.692+/-360.042 χ^2/NDF: 50.6/45

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -606.926+/-439.808 χ^2/NDF:44.6/38

Out: -1009.126+/-439.345 χ^2/NDF:34.3/40

All: -808.238+/-310.827 χ^2/NDF: 79.3/79



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: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.669+/-0.255 χ^2/NDF: 2262.6/45

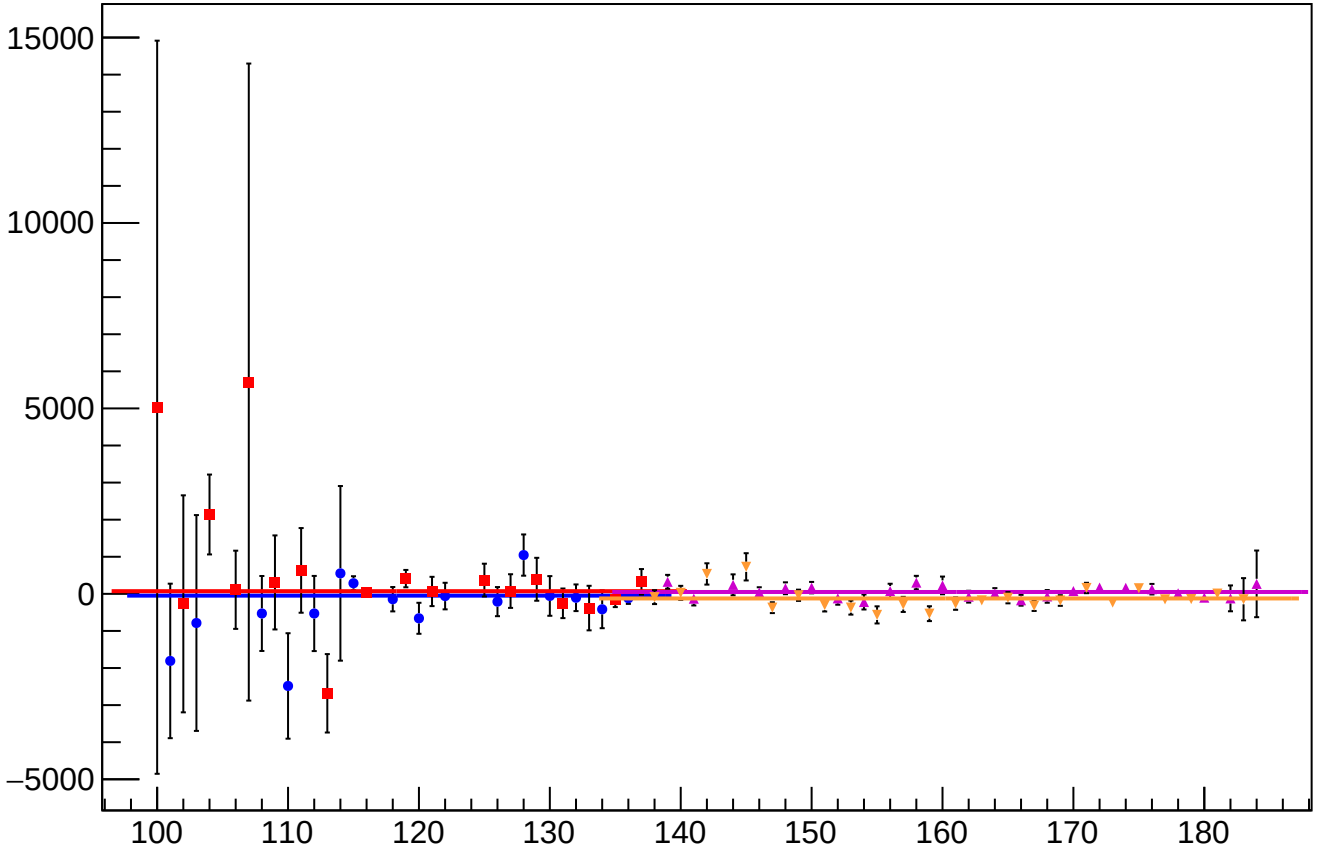
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2212.854+/-0.311 χ^2/NDF:546985.5/38

Out: 2215.775+/-0.311 χ^2/NDF:196104.5/40

All: 2214.316+/-0.220 χ^2/NDF: 743134.2/79

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: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -40.047+/-22.607 χ^2/NDF: 75.3/45

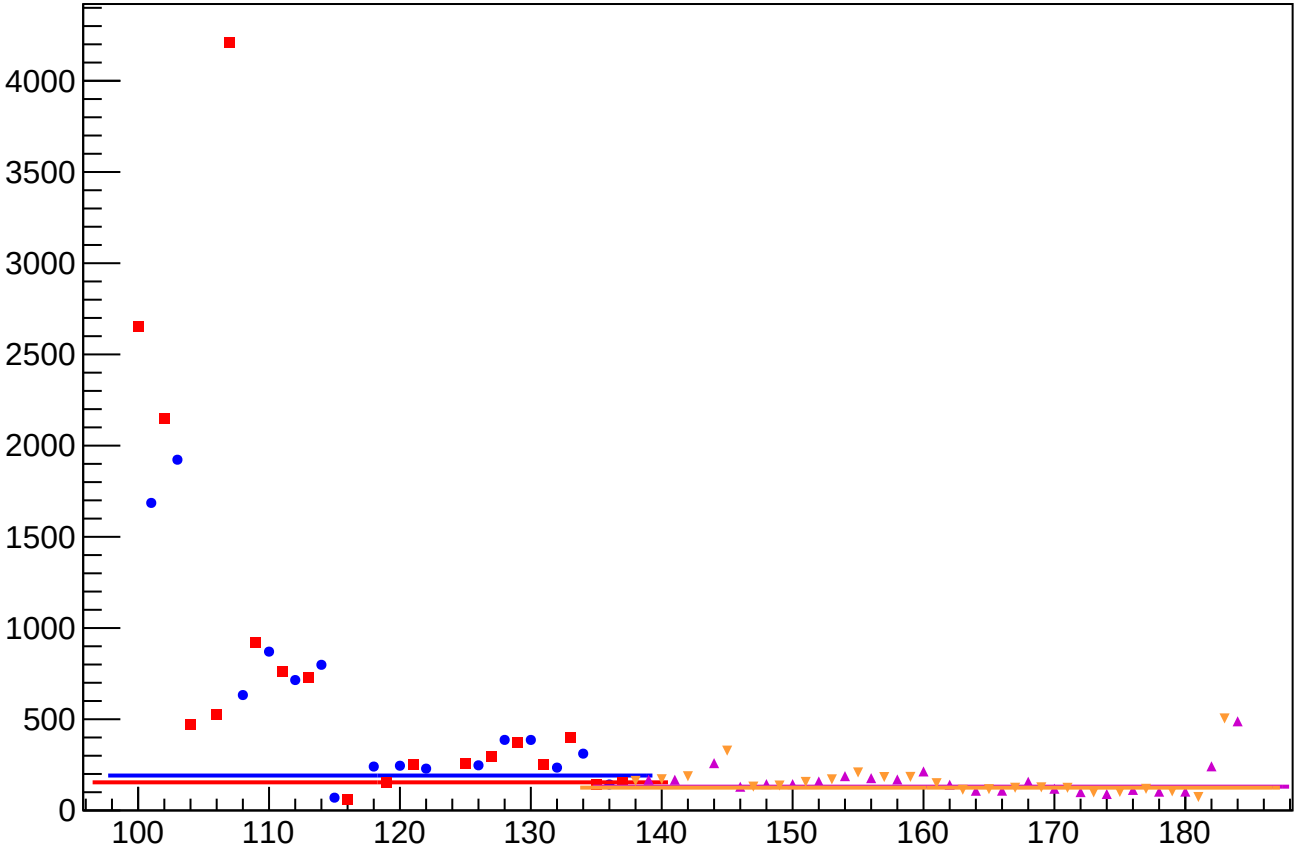
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 39.058+/-30.644 χ^2/NDF:33.6/38

Out: -99.201+/-29.358 χ^2/NDF:64.6/40

All: -33.034+/-21.199 χ^2/NDF: 108.9/79

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: 130.451+/-0.023 χ^2/NDF:2679365.4/22

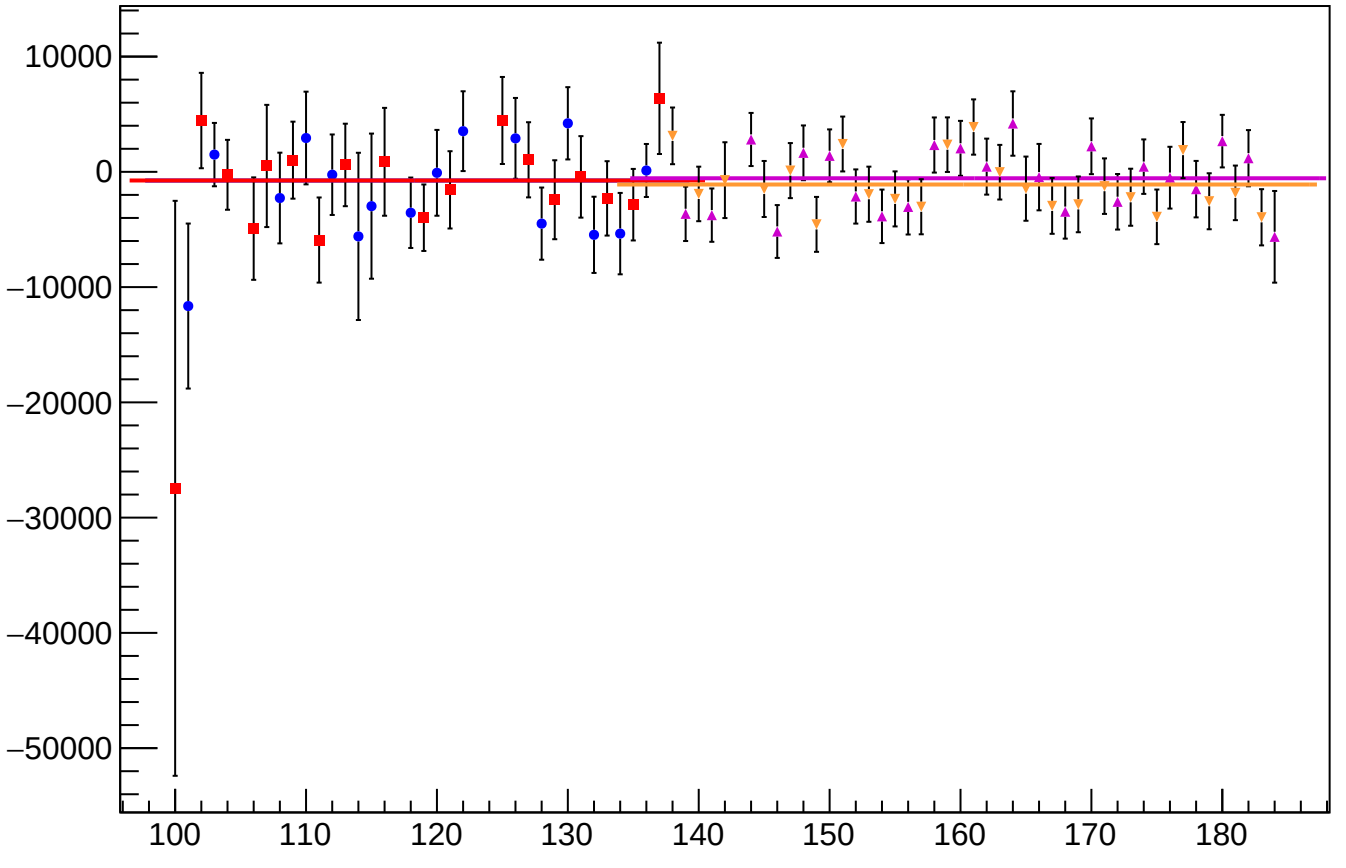
Left: 127.693+/-0.016 χ^2/NDF: 6359780.3/45

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 137.375+/-0.022 χ^2/NDF:8539768.3/38

Out: 128.811+/-0.021 χ^2/NDF:9977944.2/40

All: 132.910+/-0.015 χ^2/NDF: 18599164.2/79



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: -557.079+/-509.208 χ^2/NDF:28.7/22

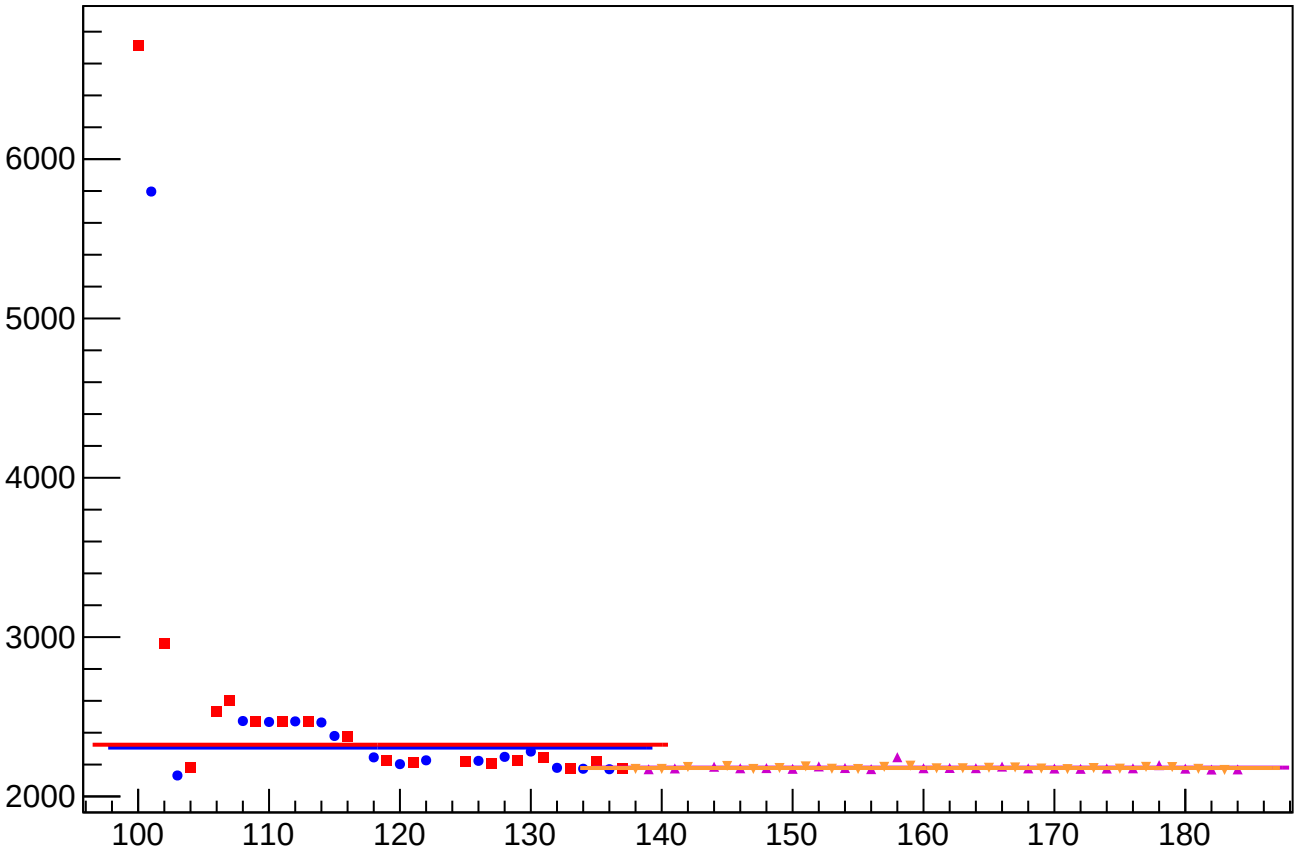
Left: -827.692+/-360.042 χ^2/NDF: 50.6/45

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -606.926+/-439.808 χ^2/NDF:44.6/38

Out: -1009.126+/-439.345 χ^2/NDF:34.3/40

All: -808.238+/-310.827 χ^2/NDF: 79.3/79



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: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.669+/-0.255 χ^2/NDF: 2262.6/45

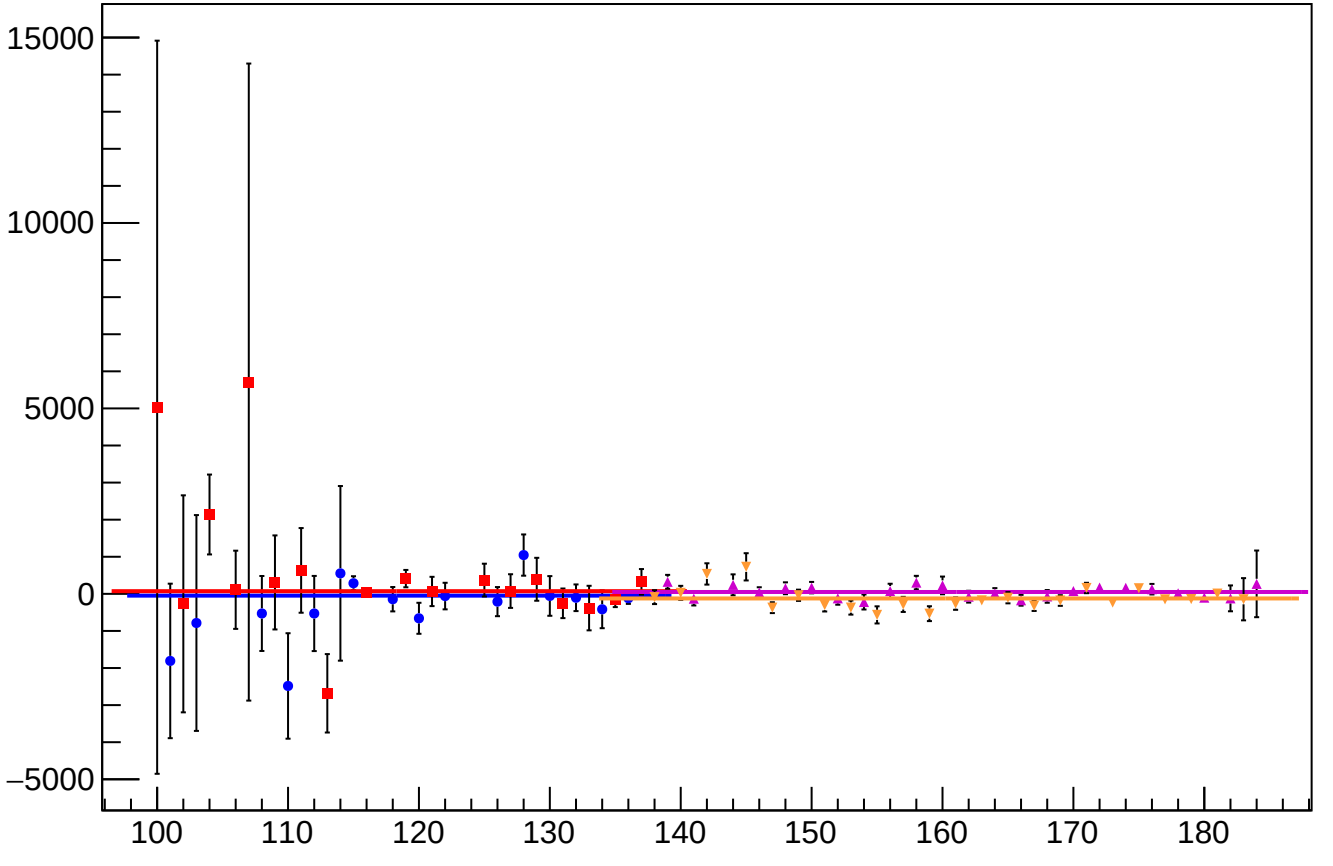
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2212.854+/-0.311 χ^2/NDF:546985.5/38

Out: 2215.775+/-0.311 χ^2/NDF:196104.5/40

All: 2214.316+/-0.220 χ^2/NDF: 743134.2/79

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: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -40.047+/-22.607 χ^2/NDF: 75.3/45

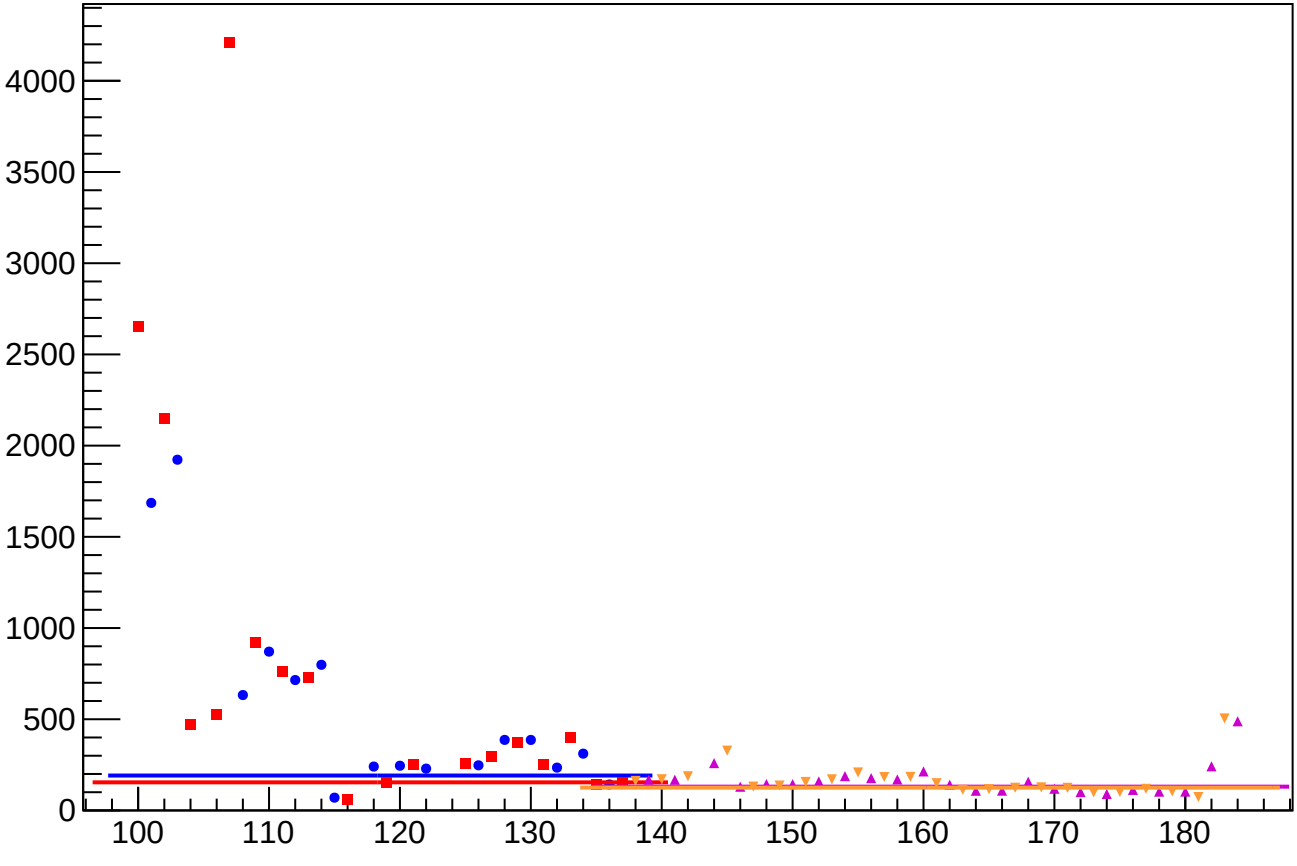
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 39.058+/-30.644 χ^2/NDF:33.6/38

Out: -99.201+/-29.358 χ^2/NDF:64.6/40

All: -33.034+/-21.199 χ^2/NDF: 108.9/79

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: 130.451+/-0.023 χ^2/NDF:2679365.4/22

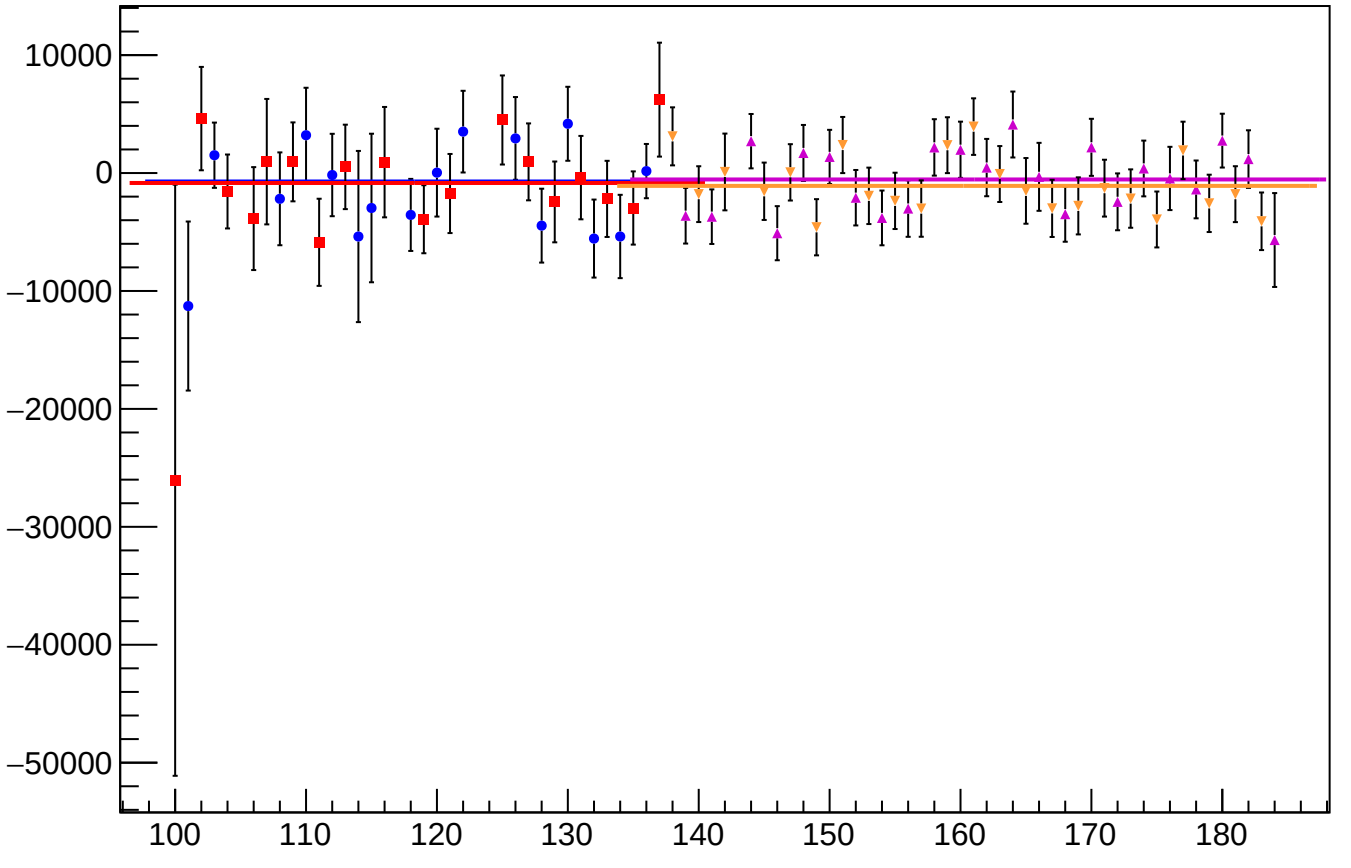
Left: 127.693+/-0.016 χ^2/NDF: 6359780.3/45

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 137.375+/-0.022 χ^2/NDF:8539768.3/38

Out: 128.811+/-0.021 χ^2/NDF:9977944.2/40

All: 132.910+/-0.015 χ^2/NDF: 18599164.2/79



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: -544.260+/-509.433 χ^2/NDF:27.9/22

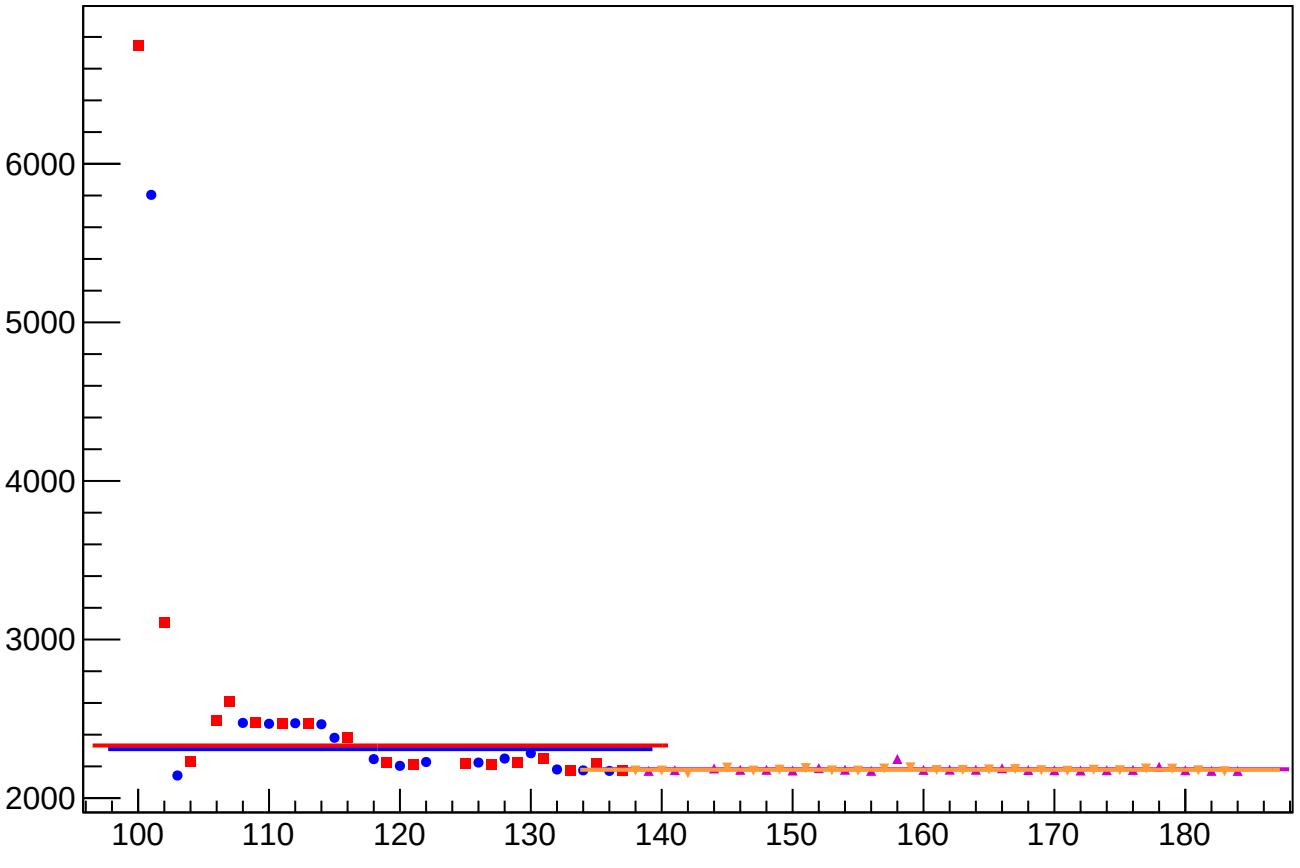
Left: -816.516+/-360.153 χ^2/NDF: 50.2/45

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -588.134+/-440.066 χ^2/NDF:43.8/38

Out: -1026.067+/-439.944 χ^2/NDF:33.9/40

All: -807.161+/-311.131 χ^2/NDF: 78.2/79



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: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.272+/-0.255 χ^2/NDF: 2320.3/45

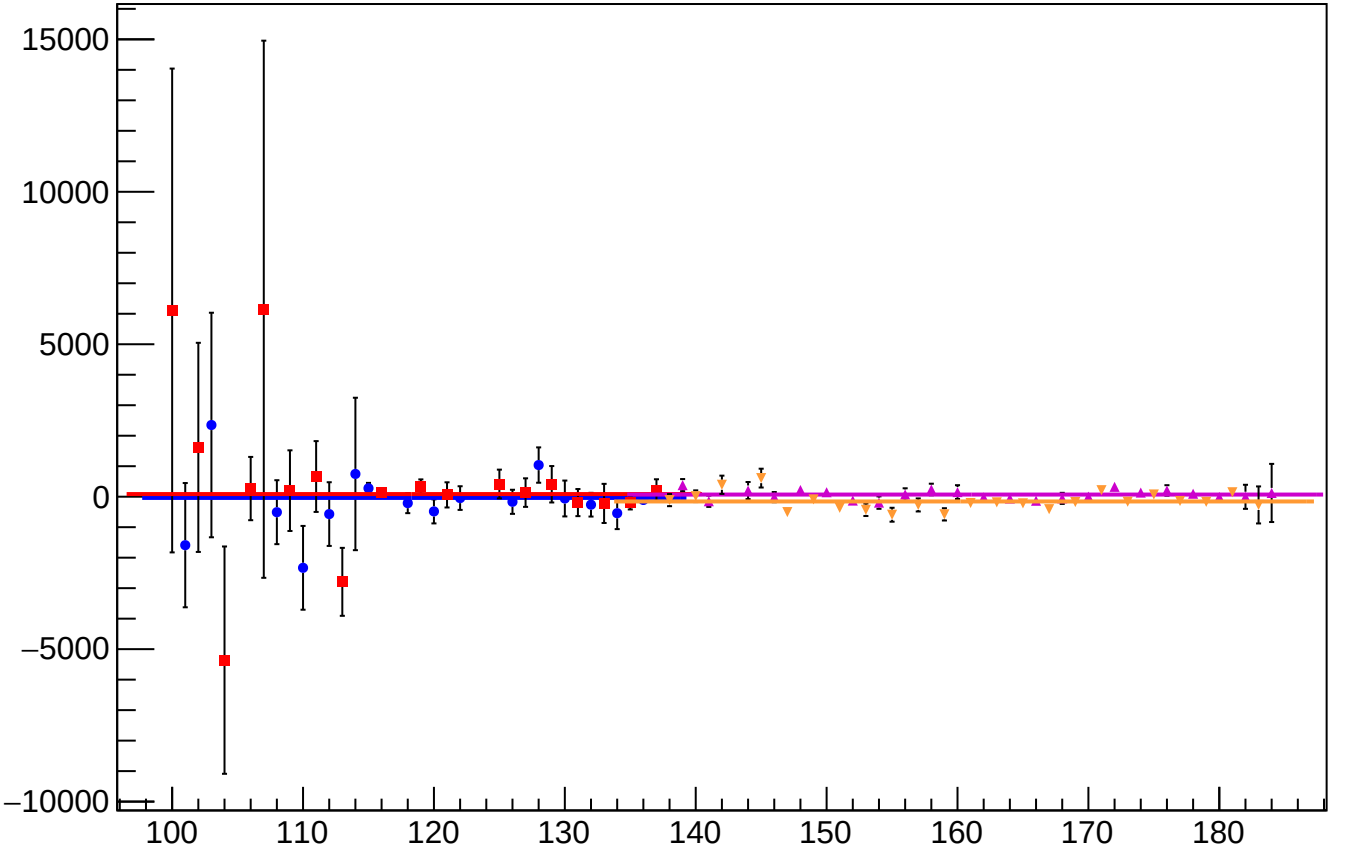
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2214.077+/-0.311 χ^2/NDF:547054.7/38

Out: 2217.514+/-0.311 χ^2/NDF:213664.6/40

All: 2215.796+/-0.220 χ^2/NDF: 760780.3/79

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: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -43.386+/-24.141 χ^2/NDF: 86.6/45

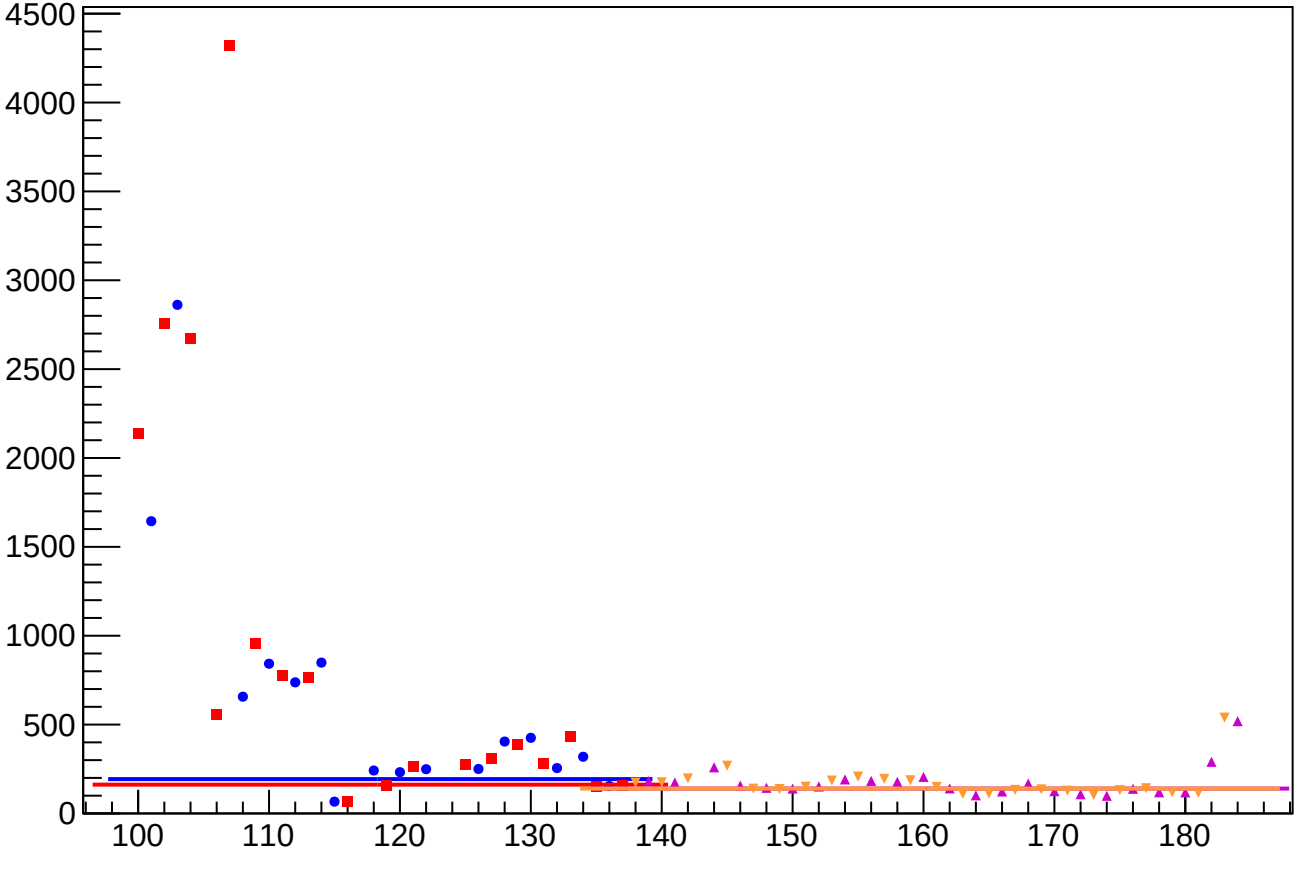
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 56.856+/-32.077 χ^2/NDF:34.2/38

Out: -123.228+/-31.685 χ^2/NDF:67.5/40

All: -34.294+/-22.542 χ^2/NDF: 117.7/79

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: 139.979+/-0.024 χ^2/NDF:2412455.4/22

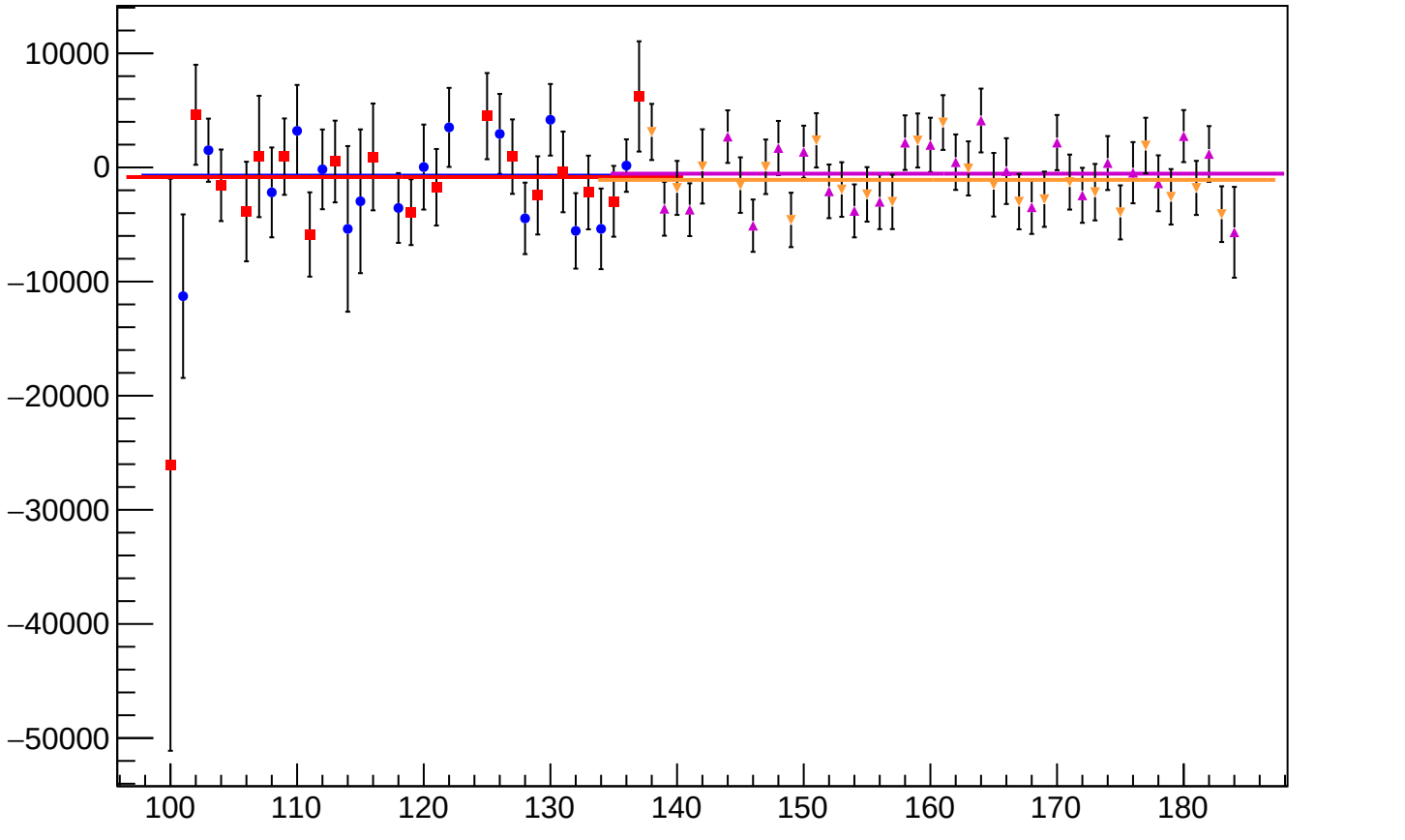
Left: 139.947+/-0.017 χ^2/NDF: 4883507.7/45

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 146.398+/-0.023 χ^2/NDF:8614975.8/38

Out: 142.922+/-0.022 χ^2/NDF:9656513.2/40

All: 144.639+/-0.016 χ^2/NDF: 18283377.3/79



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: -544.259+/-509.433 χ^2/NDF:27.9/22

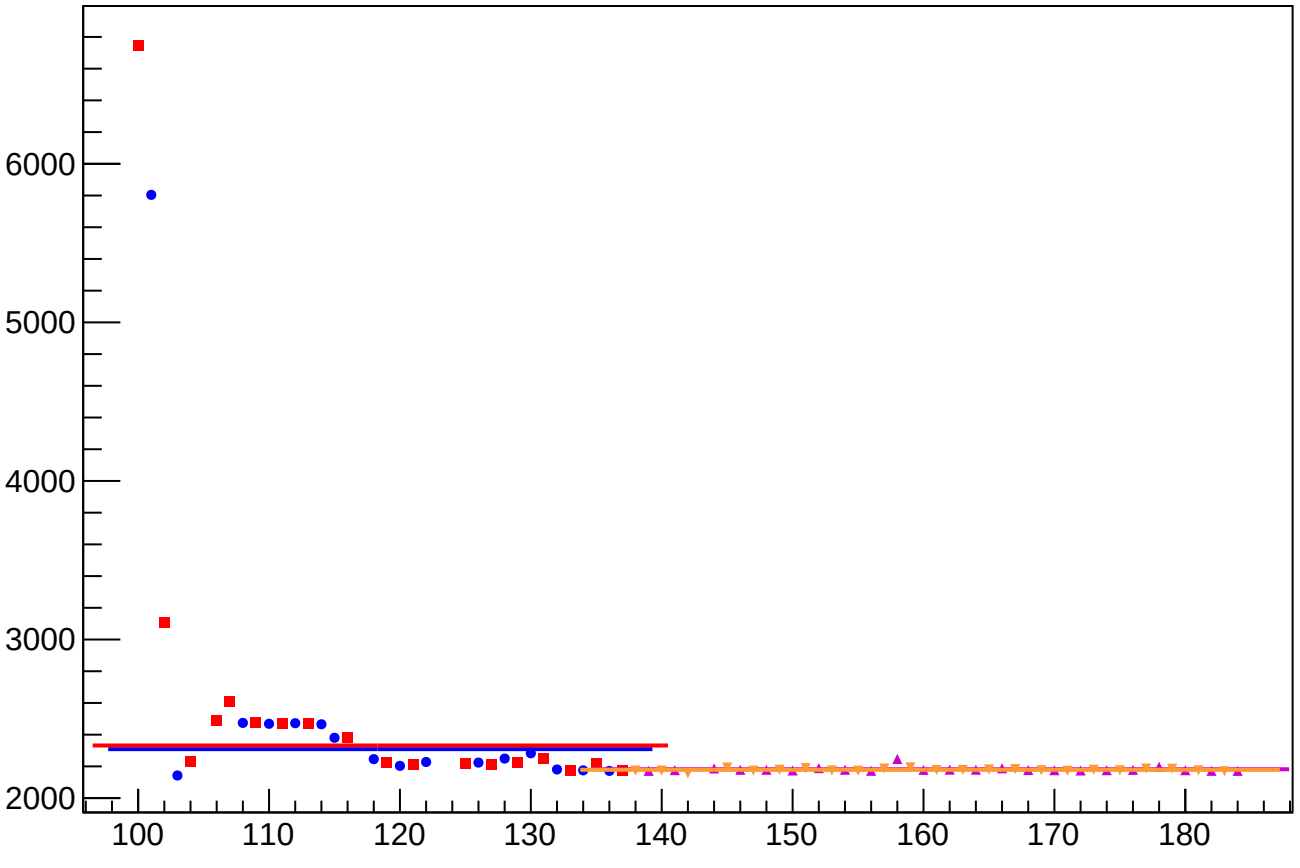
Left: -816.516+/-360.153 χ^2/NDF: 50.2/45

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -588.134+/-440.066 χ^2/NDF:43.8/38

Out: -1026.068+/-439.944 χ^2/NDF:33.9/40

All: -807.162+/-311.131 χ^2/NDF: 78.2/79



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: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.272+/-0.255 χ^2/NDF: 2320.3/45

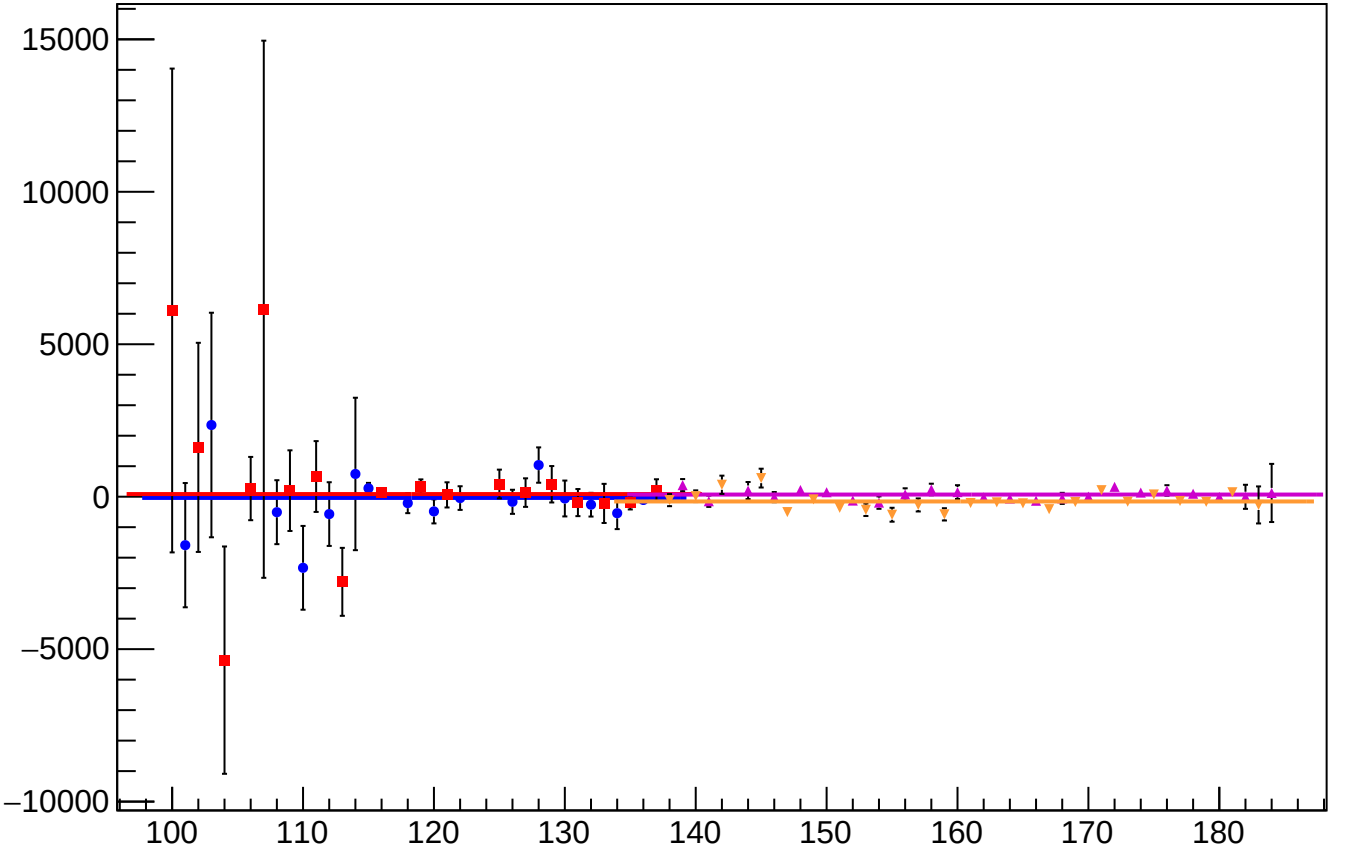
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2214.077+/-0.311 χ^2/NDF:547054.7/38

Out: 2217.514+/-0.311 χ^2/NDF:213664.5/40

All: 2215.796+/-0.220 χ^2/NDF: 760780.2/79

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: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -43.387+/-24.141 χ^2/NDF: 86.6/45

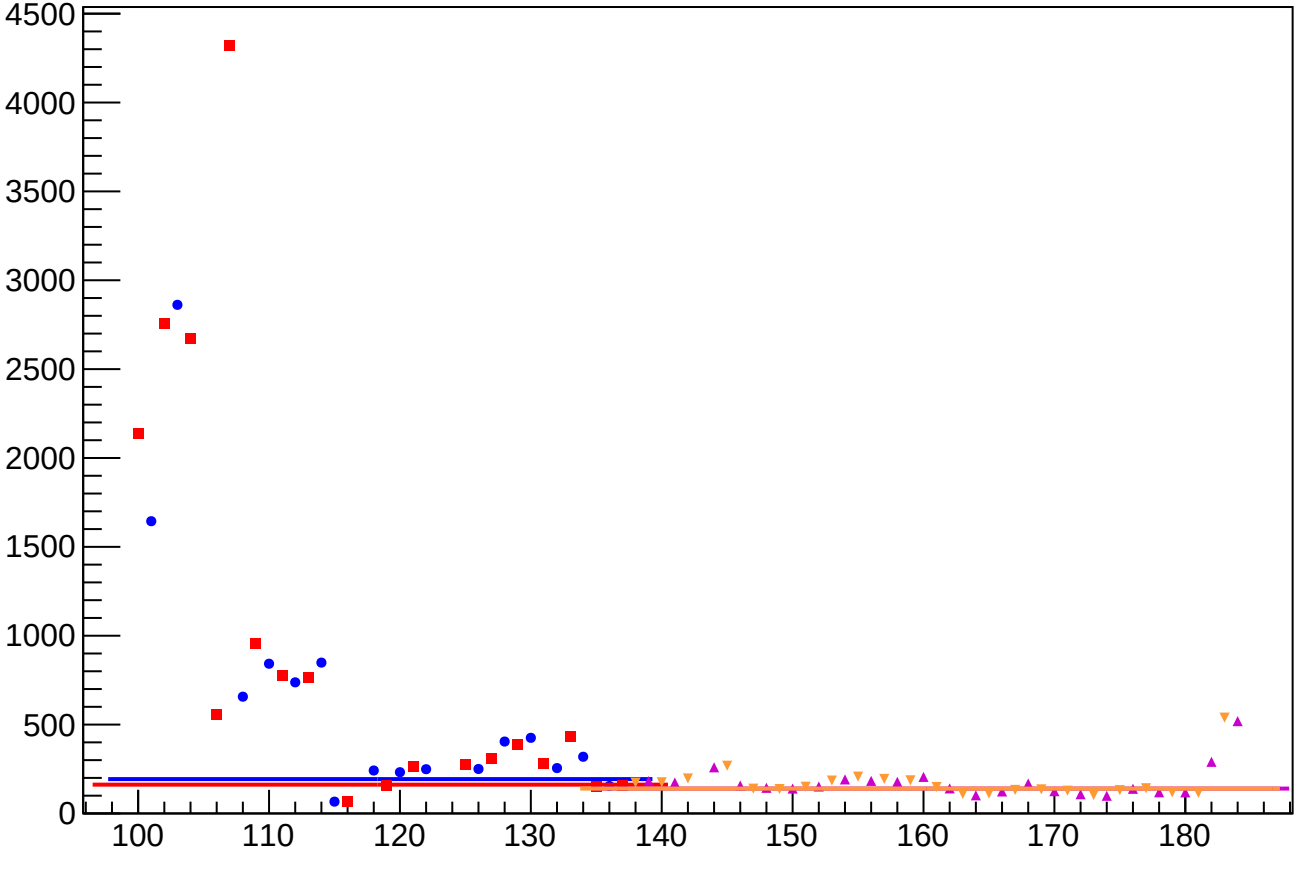
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 56.855+/-32.078 χ^2/NDF:34.2/38

Out: -123.228+/-31.685 χ^2/NDF:67.5/40

All: -34.295+/-22.542 χ^2/NDF: 117.7/79

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: 139.979+/-0.024 χ^2/NDF:2412509.5/22

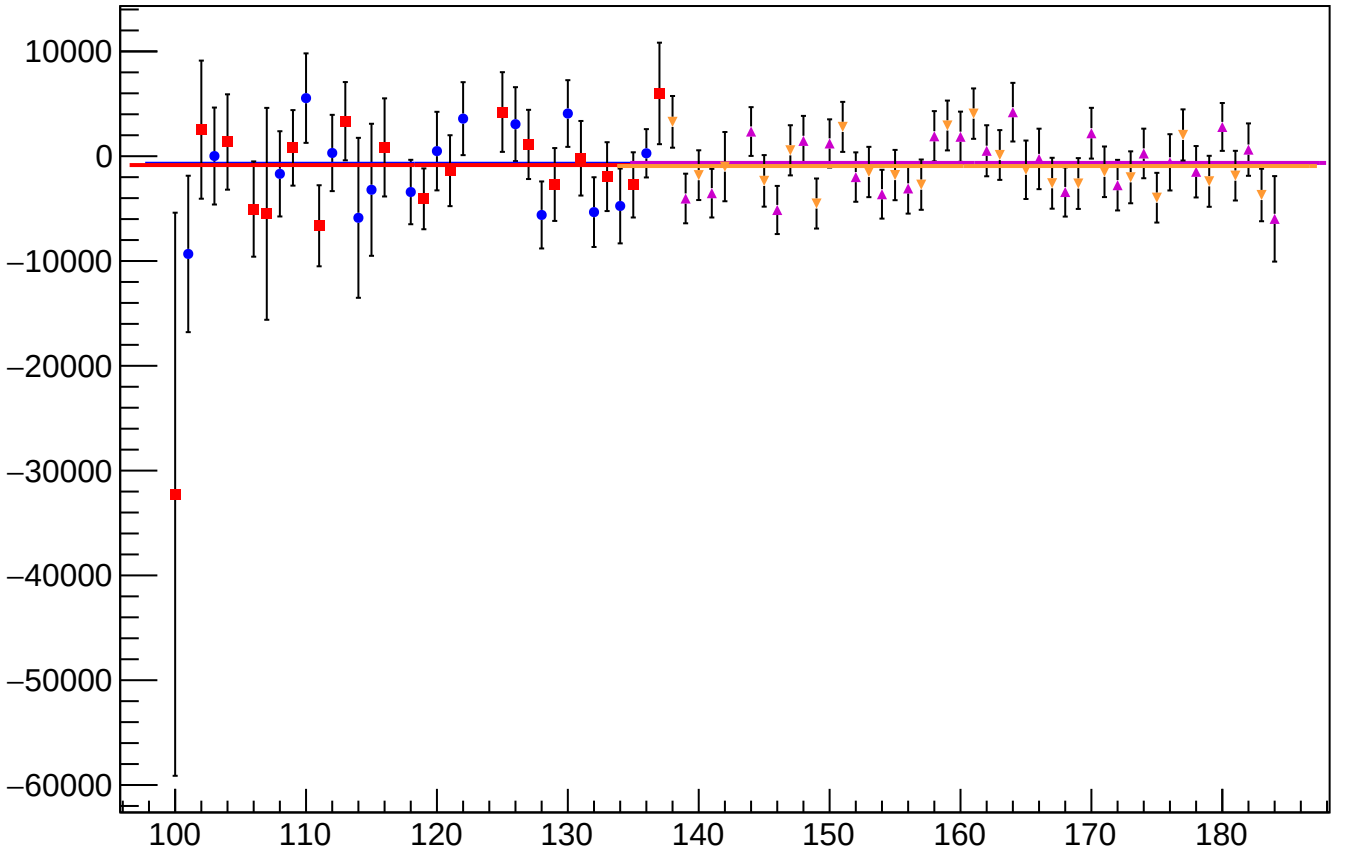
Left: 139.947+/-0.017 χ^2/NDF: 4883557.7/45

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 146.398+/-0.023 χ^2/NDF:8615022.8/38

Out: 142.922+/-0.022 χ^2/NDF:9656542.7/40

All: 144.639+/-0.016 χ^2/NDF: 18283453.3/79



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: -642.773+/-511.372 χ^2/NDF:27.0/22

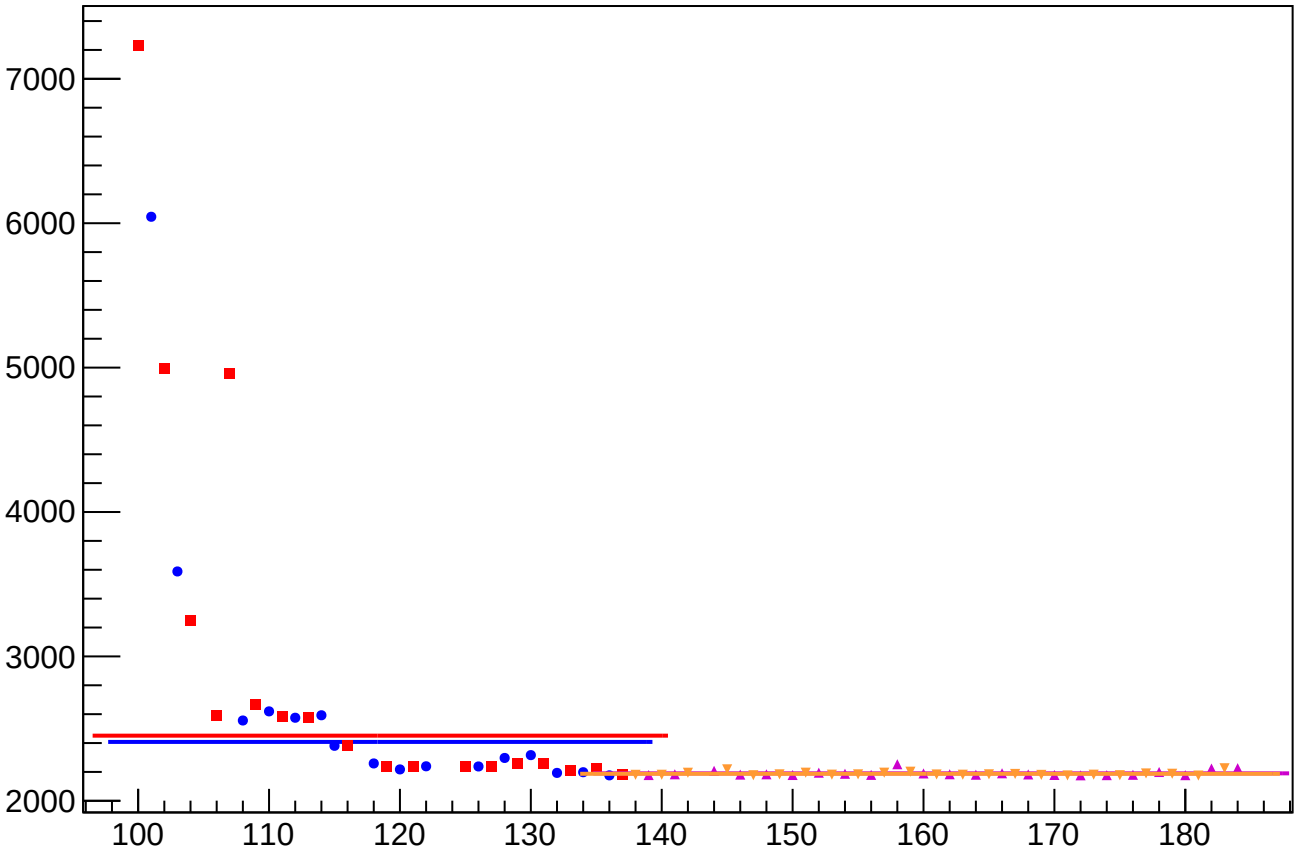
Left: -790.194+/-361.526 χ^2/NDF: 49.5/45

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -661.012+/-446.531 χ^2/NDF:42.8/38

Out: -915.951+/-447.823 χ^2/NDF:35.3/40

All: -788.113+/-316.201 χ^2/NDF: 78.3/79



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: 2190.163+/-0.362 χ^2/NDF:2542.8/22

Left: 2188.631+/-0.256 χ^2/NDF: 3767.6/45

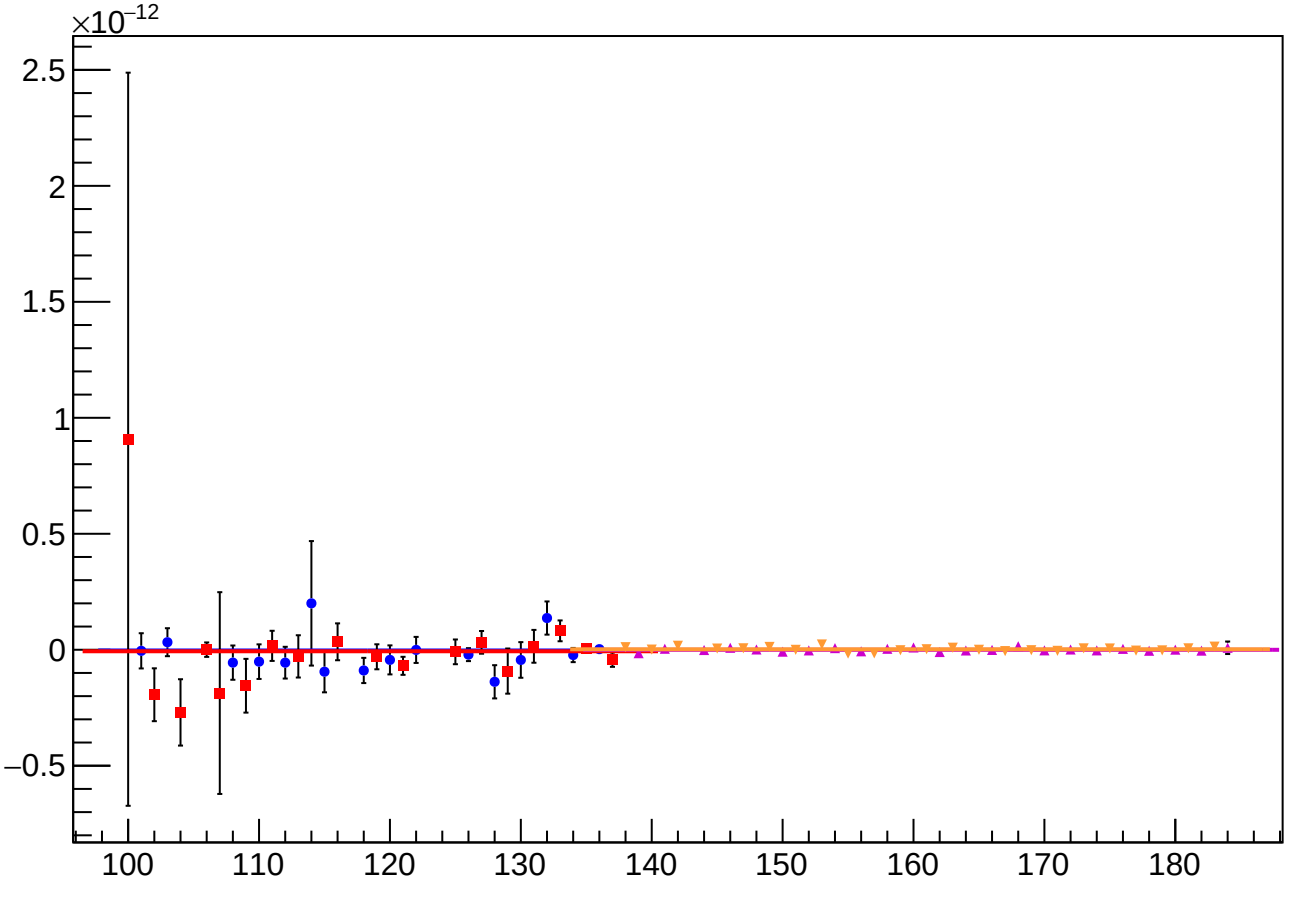
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2241.855+/-0.316 χ^2/NDF:765473.2/38

Out: 2248.506+/-0.317 χ^2/NDF:758910.2/40

All: 2245.171+/-0.224 χ^2/NDF: 1524604.6/79

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:13.3/22

Left: 0.000+/-0.000 χ^2/NDF: 33.7/45

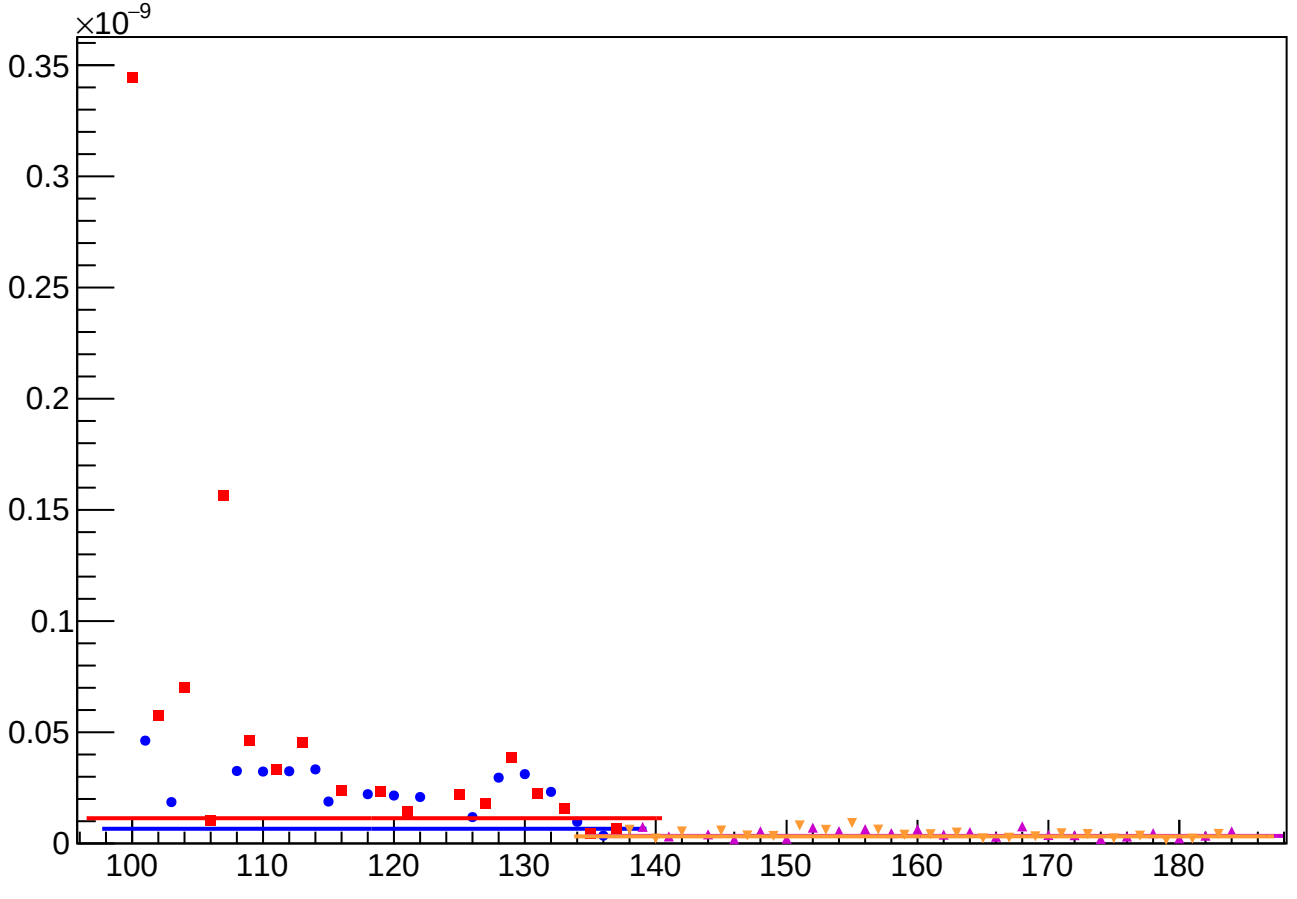
Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:29.1/38

Out: 0.000+/-0.000 χ^2/NDF:39.0/40

All: 0.000+/-0.000 χ^2/NDF: 69.1/79

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2029200.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3751709.6/45

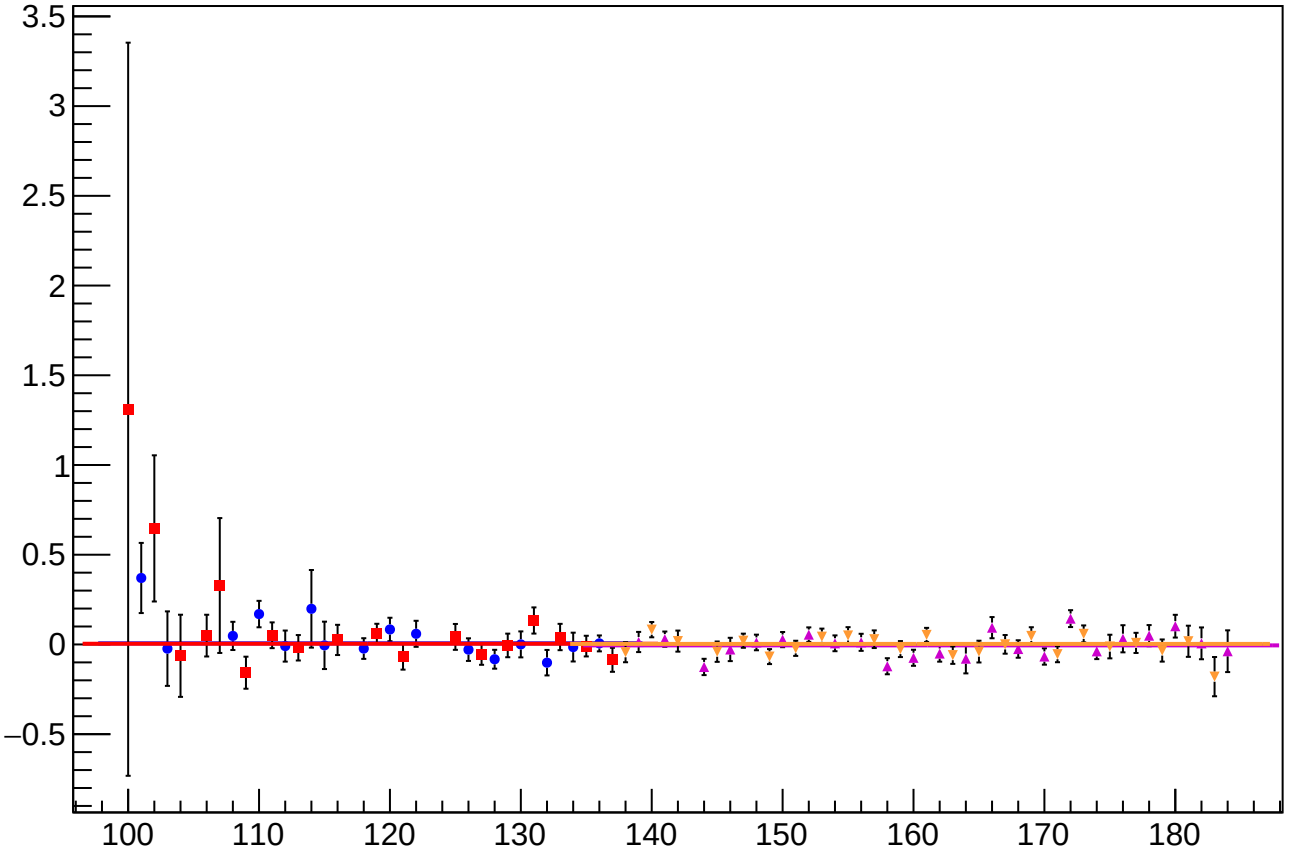
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:5047432.0/38

Out: 0.000+/-0.000 χ^2/NDF:6095435.0/40

All: 0.000+/-0.000 χ^2/NDF: 11165627.0/79

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:41.4/22

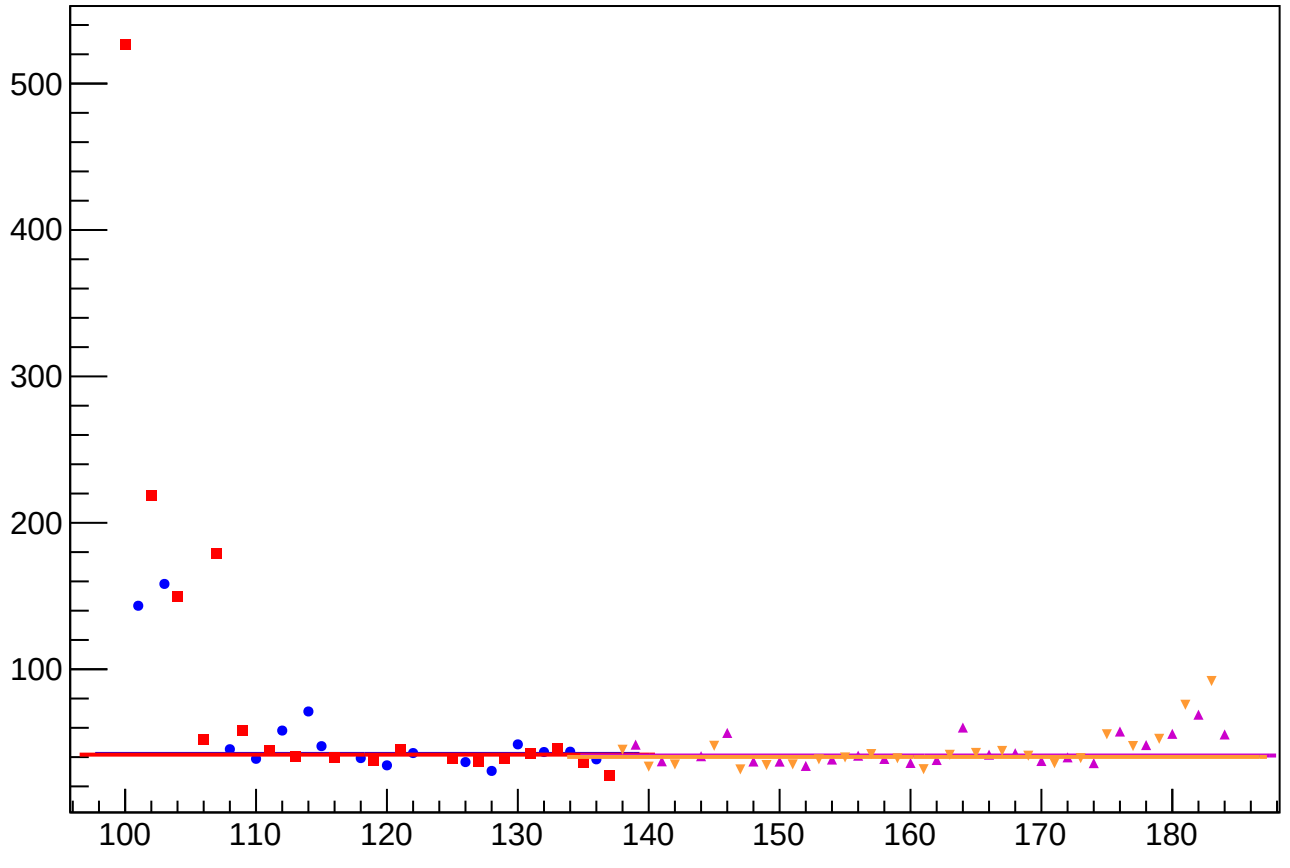
Left: -0.001+/-0.007 χ^2/NDF: 63.4/45

Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.9/38

Out: 0.003+/-0.009 χ^2/NDF:37.9/40

All: 0.000+/-0.006 χ^2/NDF: 97.1/79



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: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.597+/-0.005 χ^2/NDF: 2356535.5/45

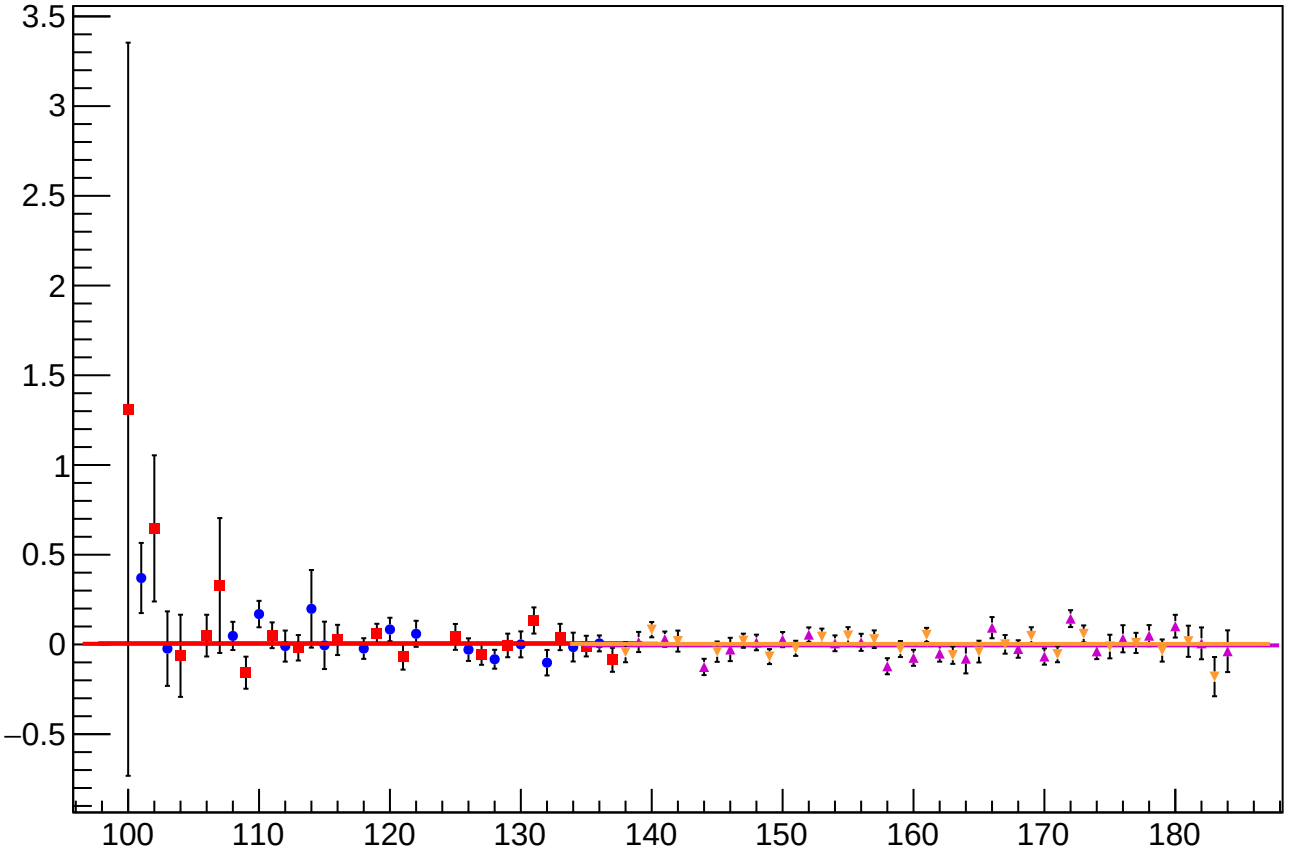
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 41.354+/-0.006 χ^2/NDF:2386495.8/38

Out: 40.500+/-0.006 χ^2/NDF:2873382.2/40

All: 40.924+/-0.005 χ^2/NDF: 5268672.0/79

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:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.4/45

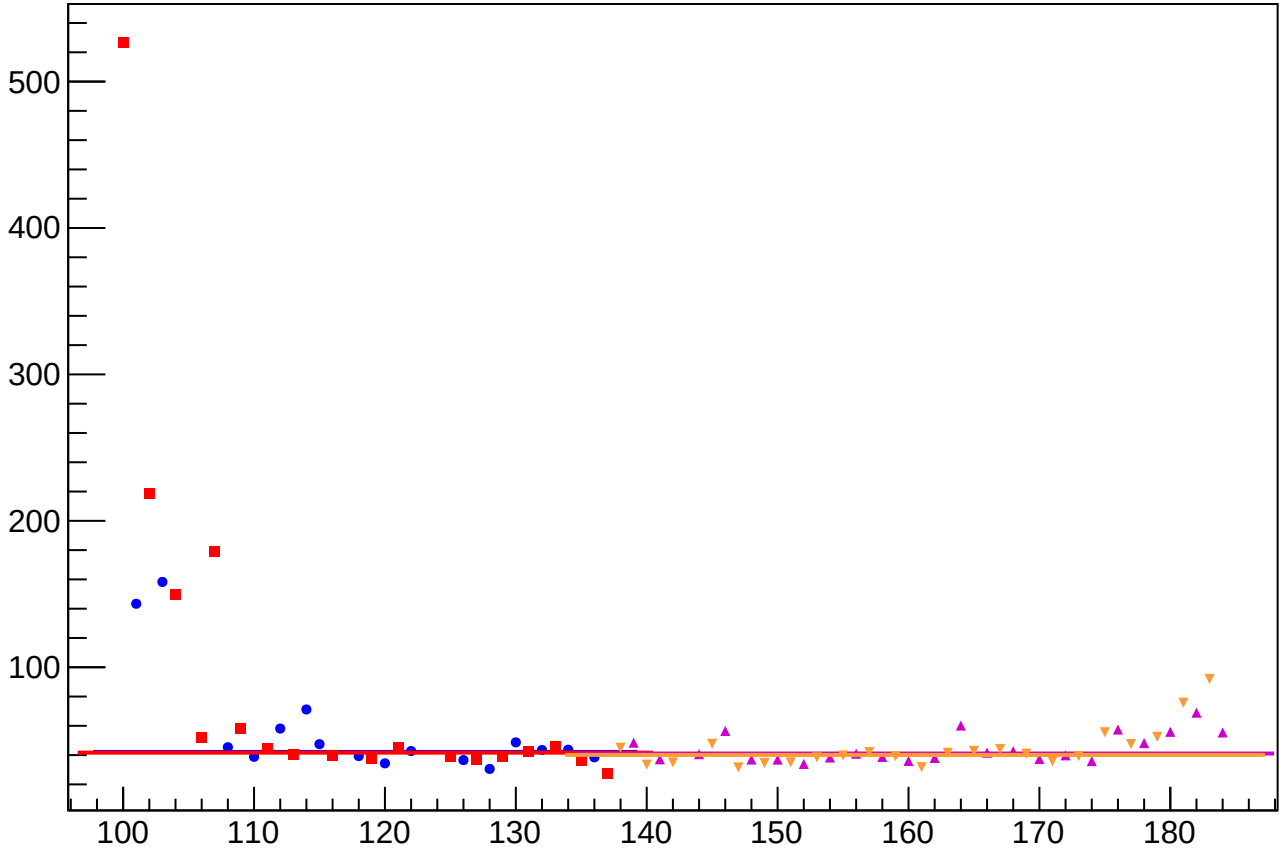
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.9/38

Out: 0.003+/-0.009 χ^2/NDF:37.9/40

All: 0.000+/-0.006 χ^2/NDF: 97.1/79

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: 41.082+/-0.007 χ^2/NDF:926843.9/22

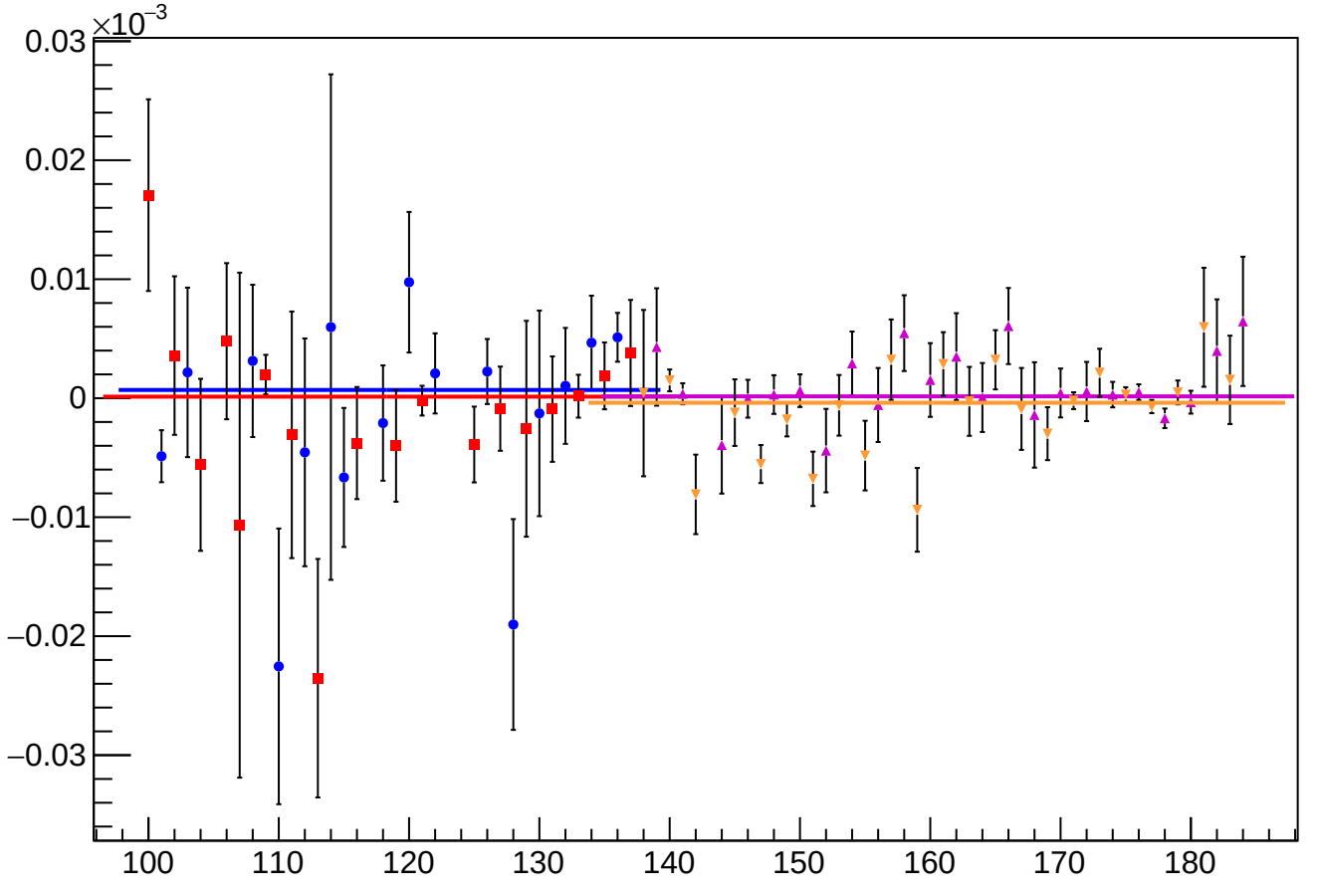
Left: 40.597+/-0.005 χ^2/NDF: 2356535.5/45

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 41.354+/-0.006 χ^2/NDF:2386495.8/38

Out: 40.500+/-0.006 χ^2/NDF:2873382.2/40

All: 40.924+/-0.005 χ^2/NDF: 5268672.0/79



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:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 71.1/45

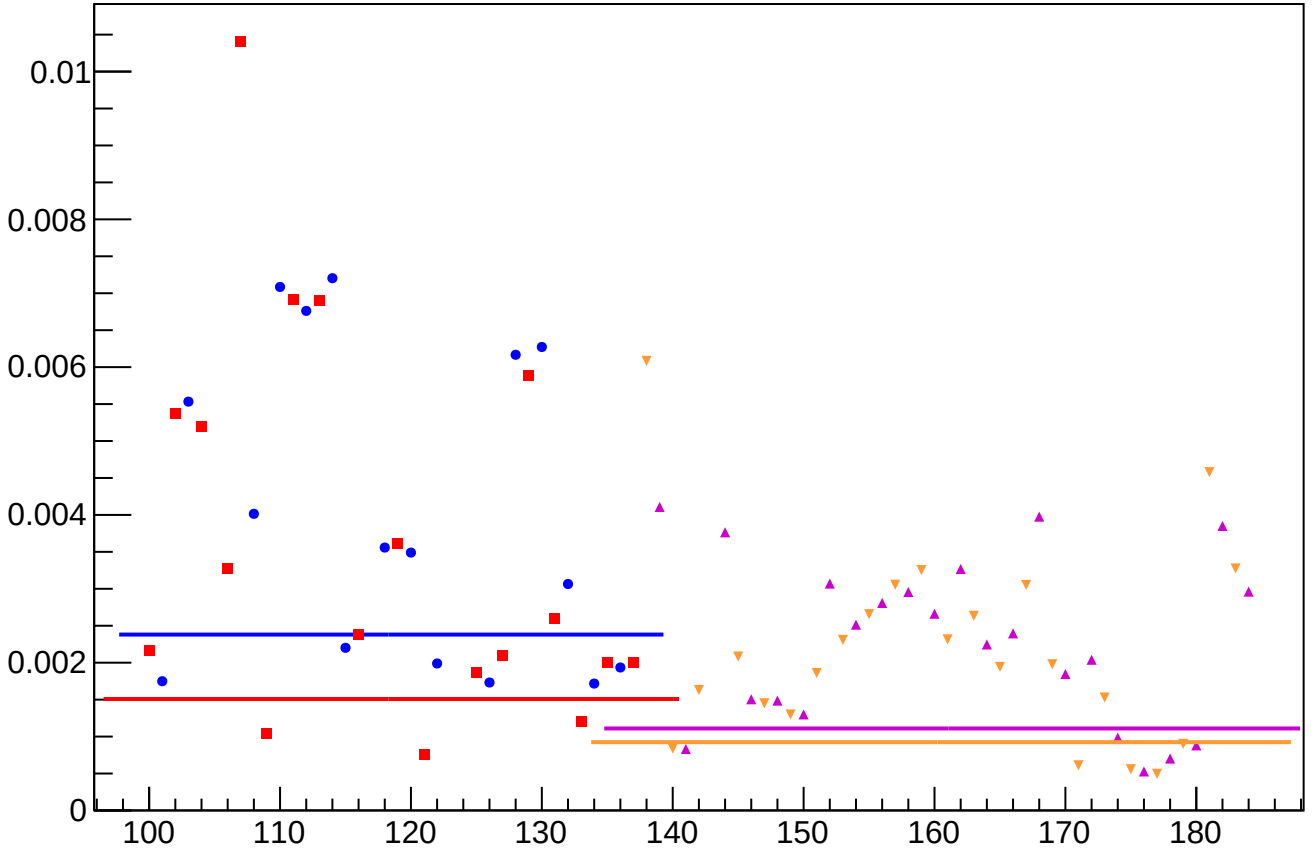
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:46.6/38

Out: -0.000+/-0.000 χ^2/NDF:67.5/40

All: -0.000+/-0.000 χ^2/NDF: 115.8/79

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:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23621958.3/45

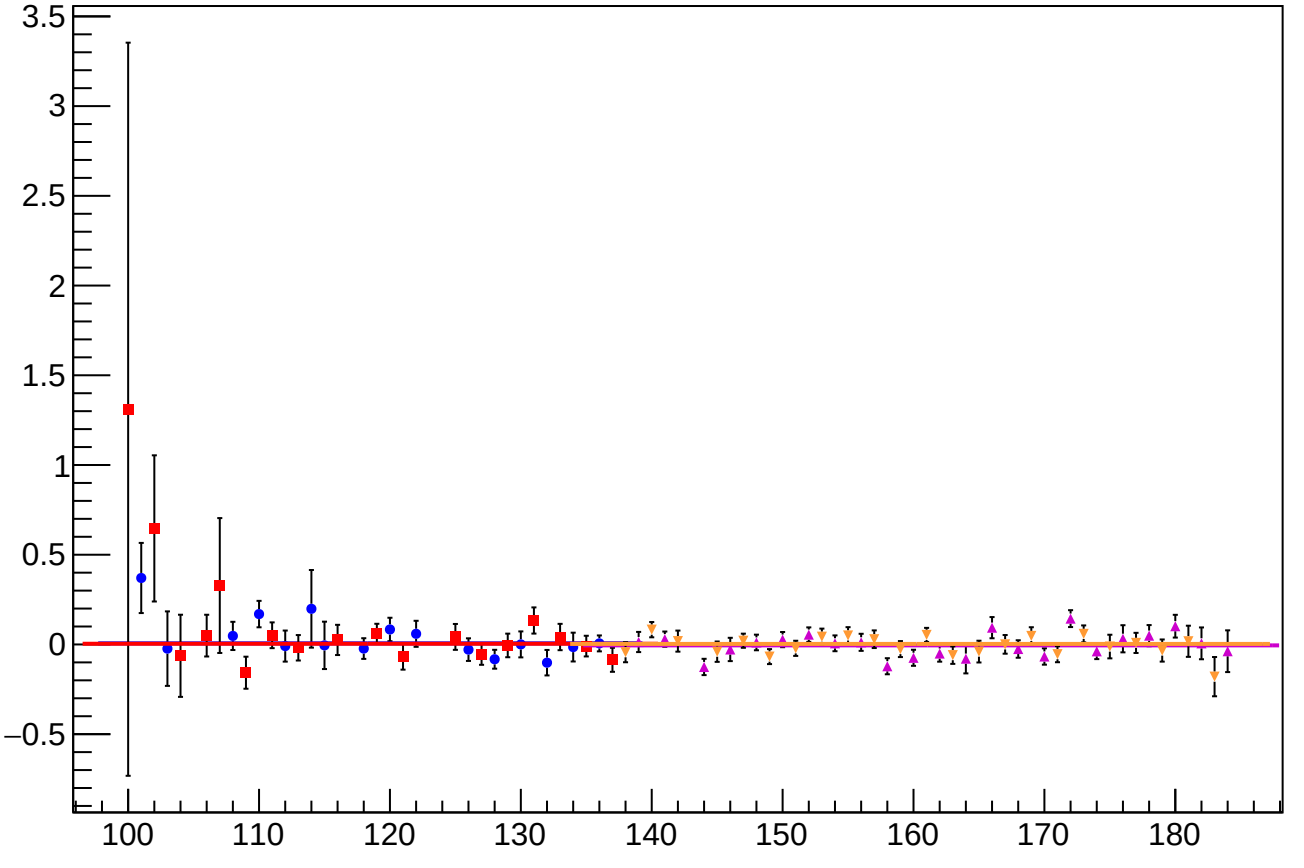
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.001+/-0.000 χ^2/NDF:16601995.2/38

Out: 0.001+/-0.000 χ^2/NDF:18454099.3/40

All: 0.001+/-0.000 χ^2/NDF: 35677405.3/79

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:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.4/45

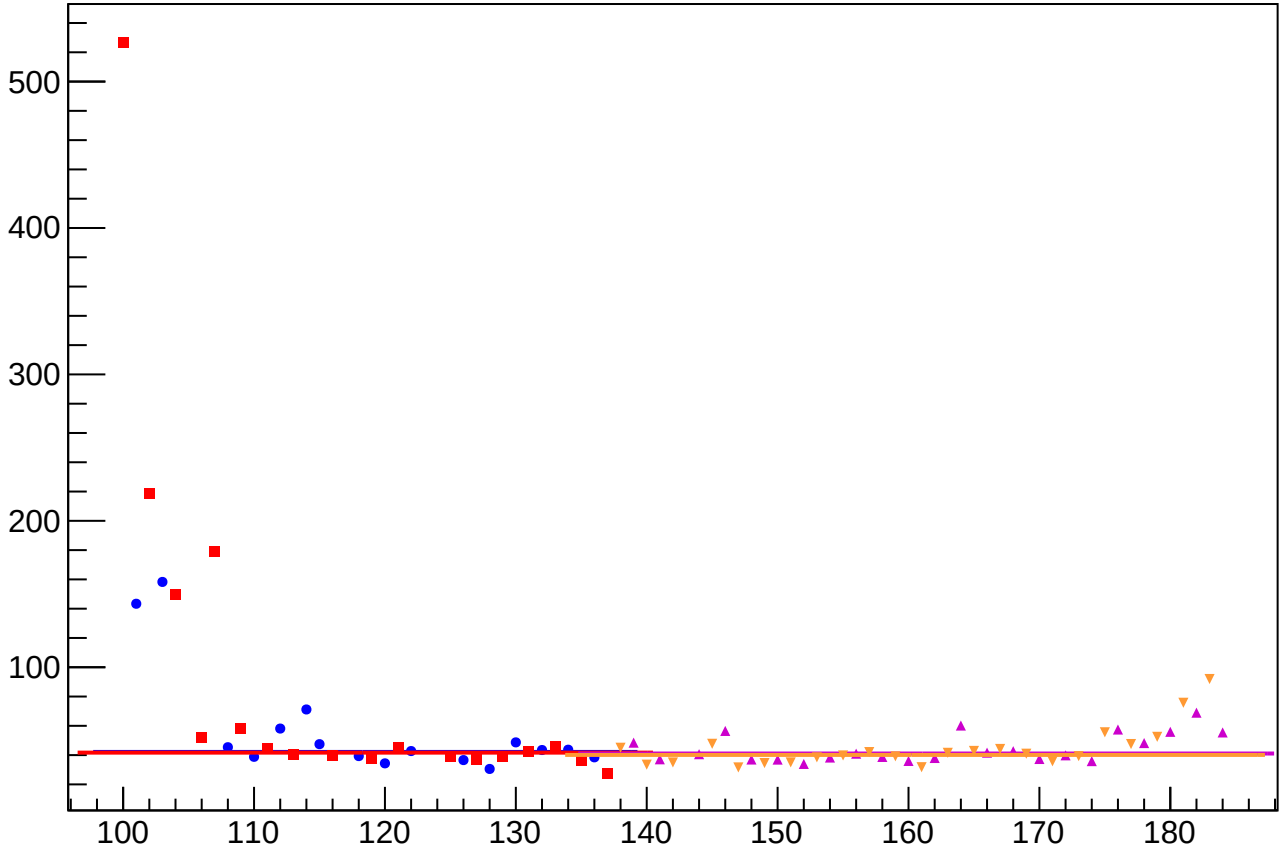
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.9/38

Out: 0.003+/-0.009 χ^2/NDF:37.9/40

All: 0.000+/-0.006 χ^2/NDF: 97.1/79

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: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.597+/-0.005 χ^2/NDF: 2356551.4/45

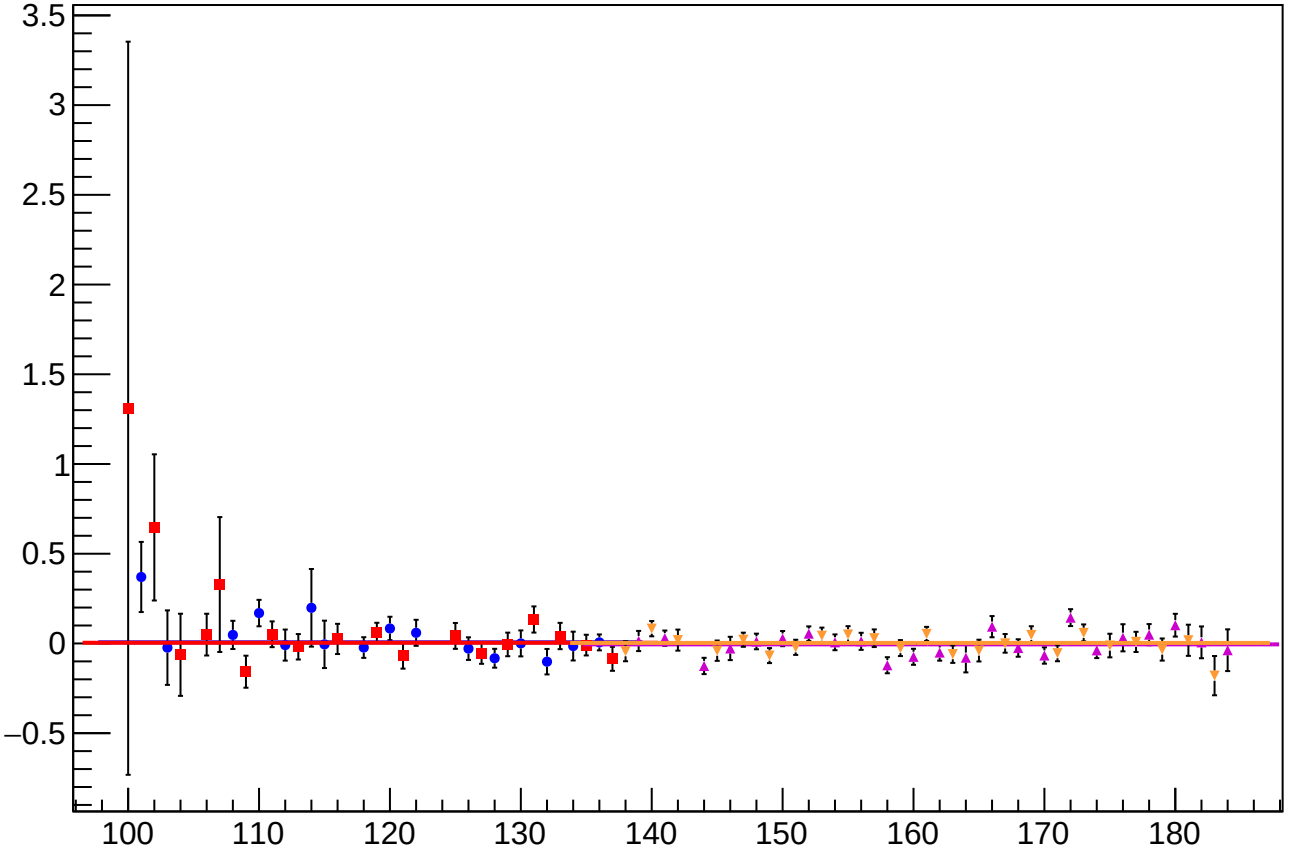
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.353+/-0.006 χ^2/NDF:2386725.4/38

Out: 40.500+/-0.006 χ^2/NDF:2873345.8/40

All: 40.923+/-0.005 χ^2/NDF: 5268849.3/79

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:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.4/45

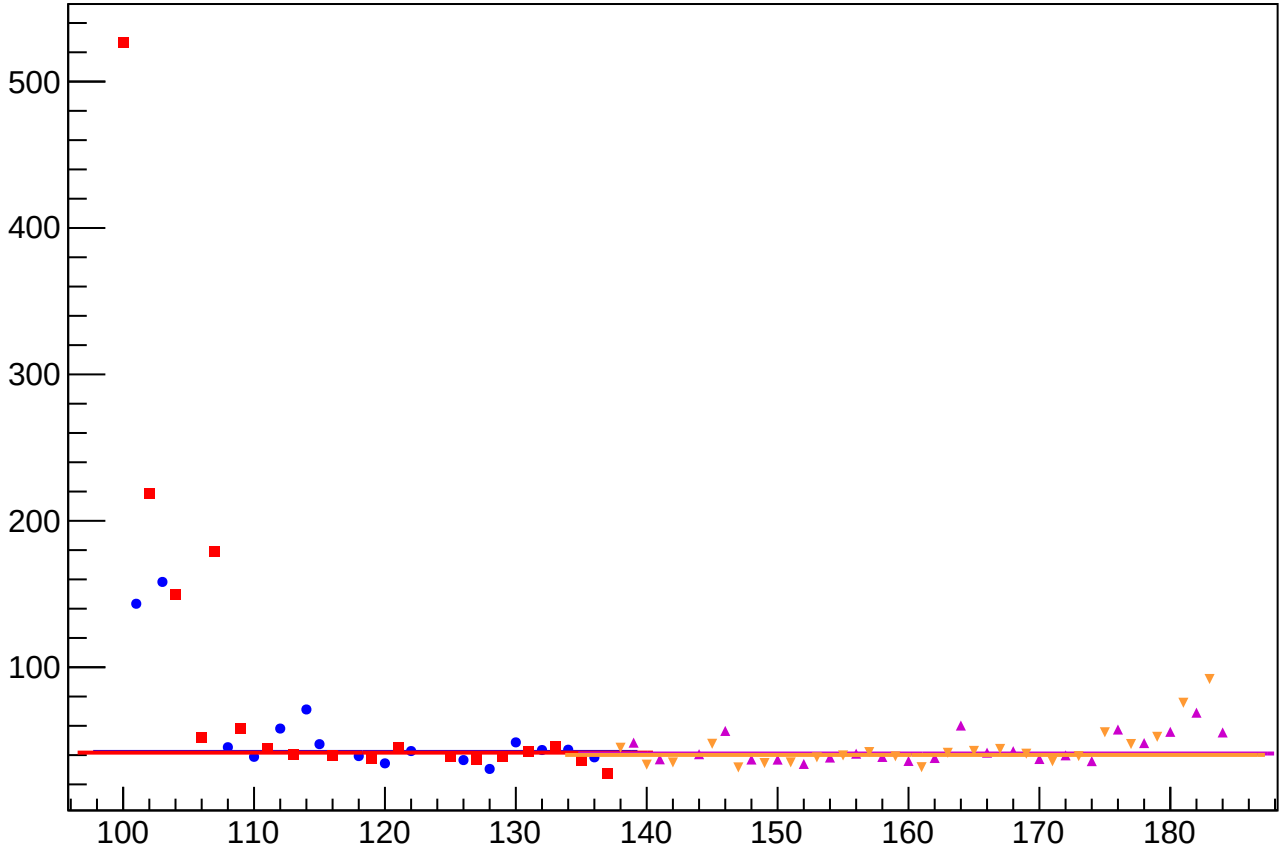
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.9/38

Out: 0.003+/-0.009 χ^2/NDF:37.9/40

All: 0.000+/-0.006 χ^2/NDF: 97.1/79

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: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.597+/-0.005 χ^2/NDF: 2356551.4/45

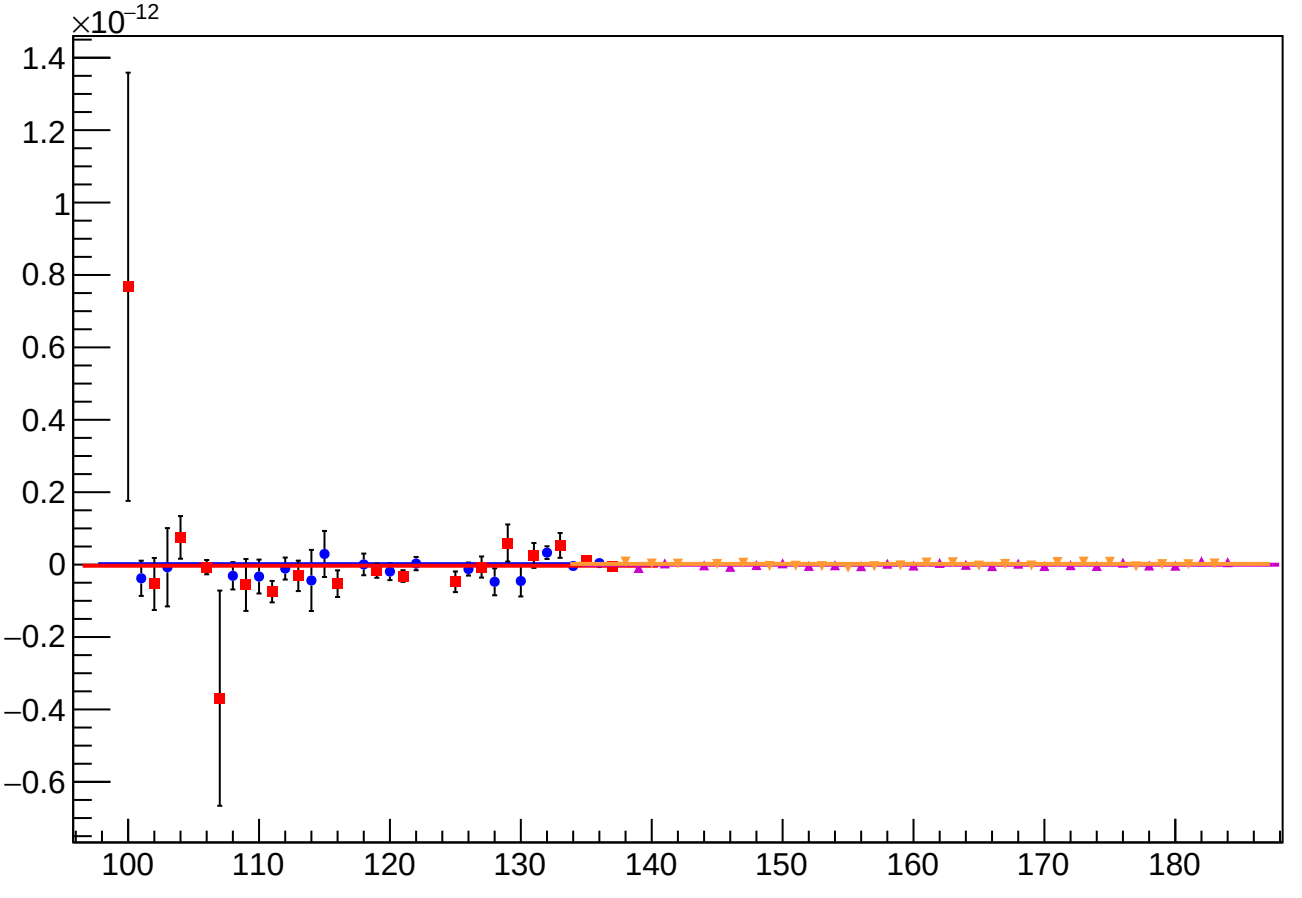
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.353+/-0.006 χ^2/NDF:2386725.4/38

Out: 40.500+/-0.006 χ^2/NDF:2873345.8/40

All: 40.923+/-0.005 χ^2/NDF: 5268849.3/79

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:23.1/22

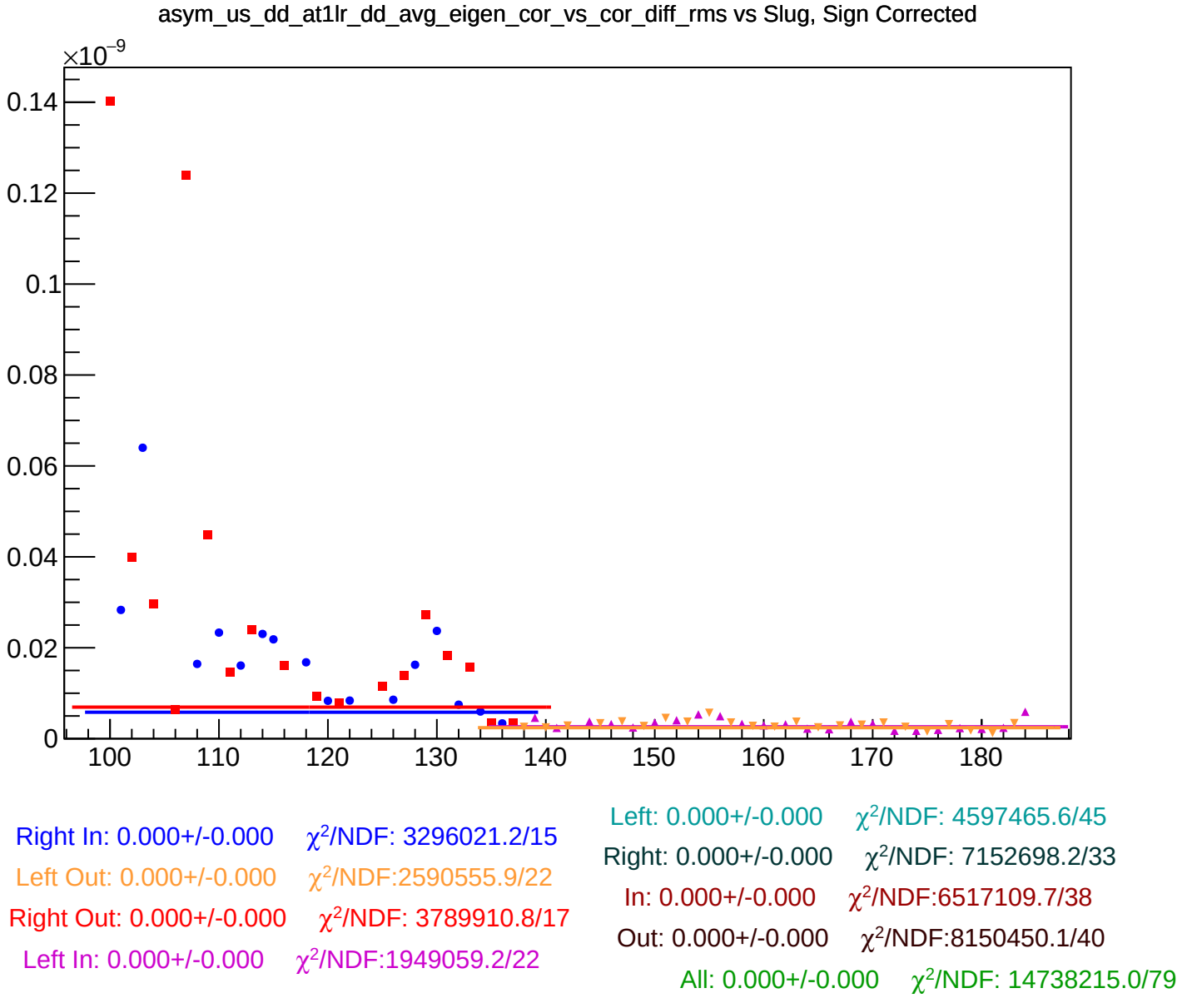
Left: 0.000+/-0.000 χ^2/NDF: 51.9/45

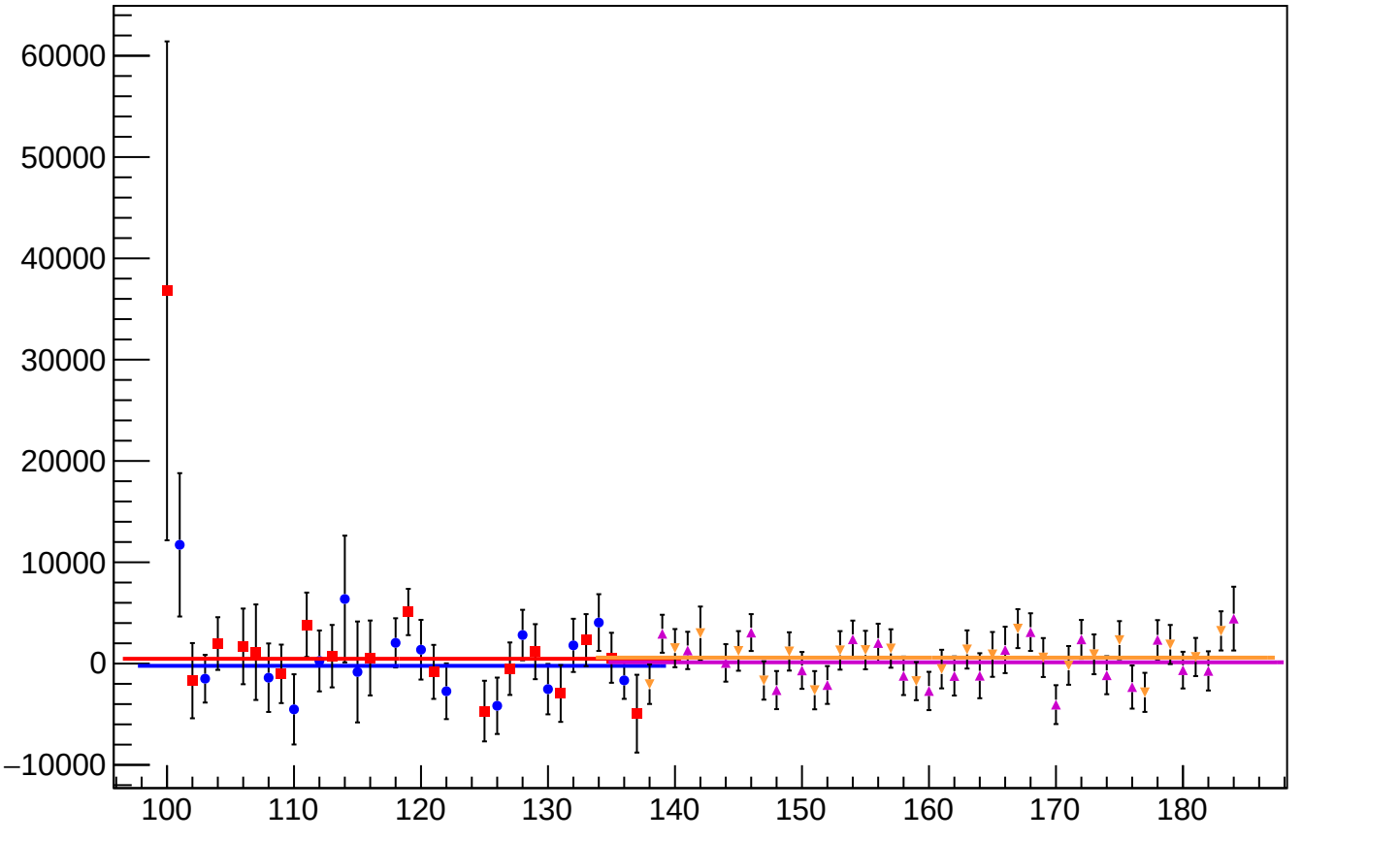
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:33.8/38

Out: 0.000+/-0.000 χ^2/NDF:54.9/40

All: 0.000+/-0.000 χ^2/NDF: 91.9/79


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:1949059.2/22
Left: 0.000+/-0.000 χ²/NDF: 4597465.6/45
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:6517109.7/38
Out: 0.000+/-0.000 χ²/NDF:8150450.1/40
All: 0.000+/-0.000 χ²/NDF: 14738215.0/79



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: 126.031+/-404.630 χ^2/NDF:29.5/22

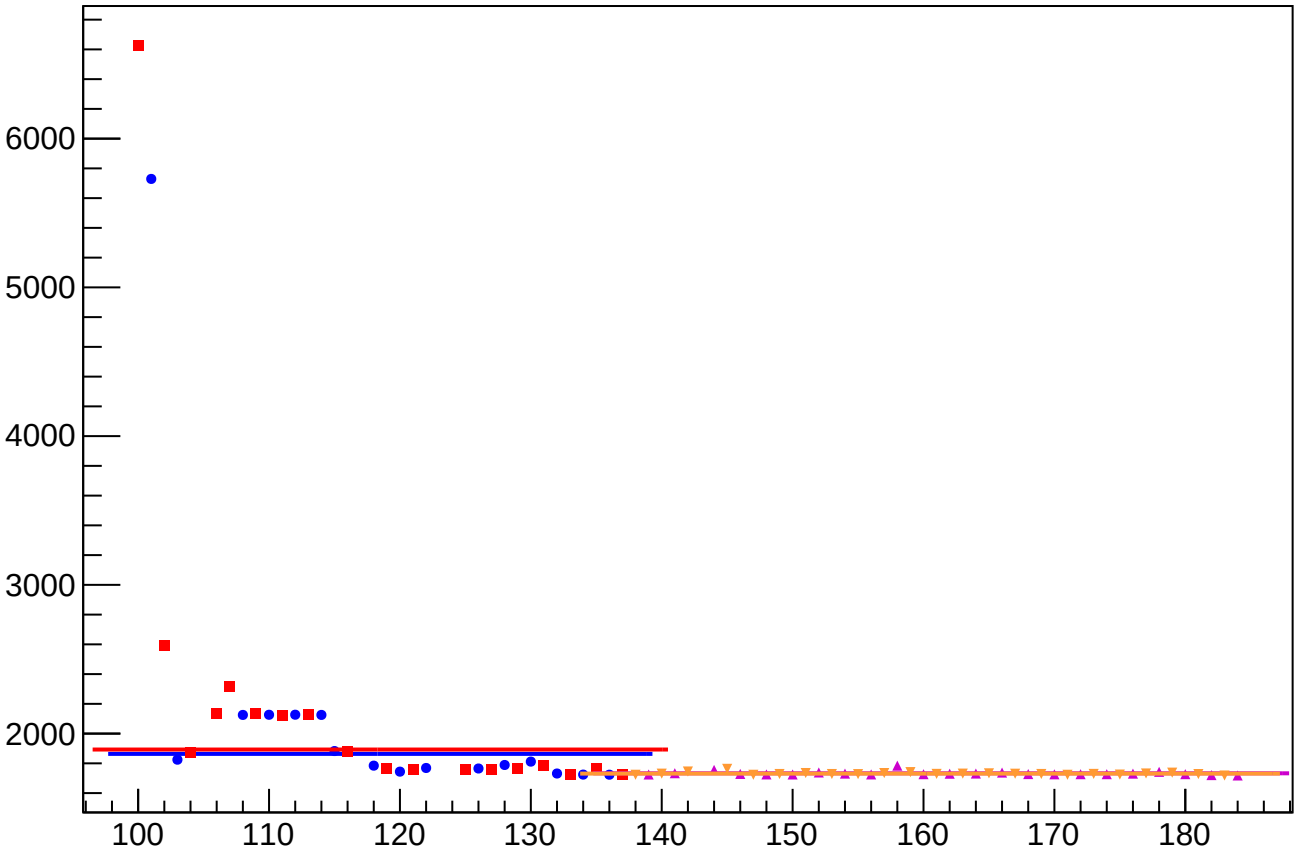
Left: 357.244+/-286.103 χ^2/NDF: 48.9/45

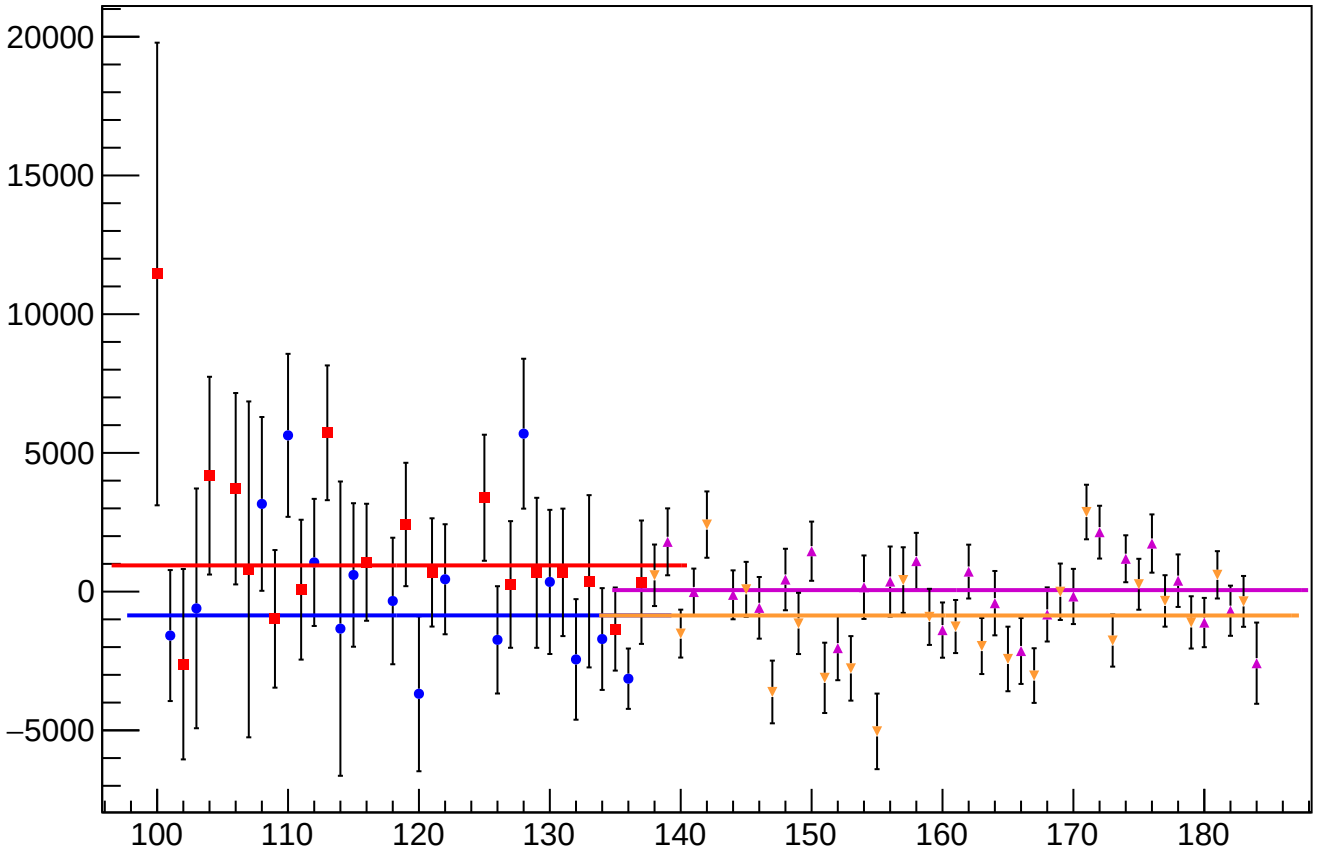
Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 40.312+/-351.445 χ^2/NDF:45.5/38

Out: 560.067+/-351.701 χ^2/NDF:34.6/40

All: 300.000+/-248.600 χ^2/NDF: 81.2/79


reg_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 1863.581+/-0.501 χ²/NDF: 674665.6/15
Left Out: 1731.058+/-0.286 χ²/NDF:931.3/22
Right Out: 1892.866+/-0.503 χ²/NDF: 251512.9/17
Left In: 1733.007+/-0.286 χ²/NDF:2237.4/22
Left: 1732.033+/-0.202 χ²/NDF: 3191.8/45
Right: 1878.175+/-0.355 χ²/NDF: 927878.2/33
In: 1765.077+/-0.249 χ²/NDF:728054.9/38
Out: 1770.598+/-0.249 χ²/NDF:330611.1/40
All: 1767.835+/-0.176 χ²/NDF: 1058912.6/79



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: 53.905+/-212.966 χ^2/NDF:30.6/22

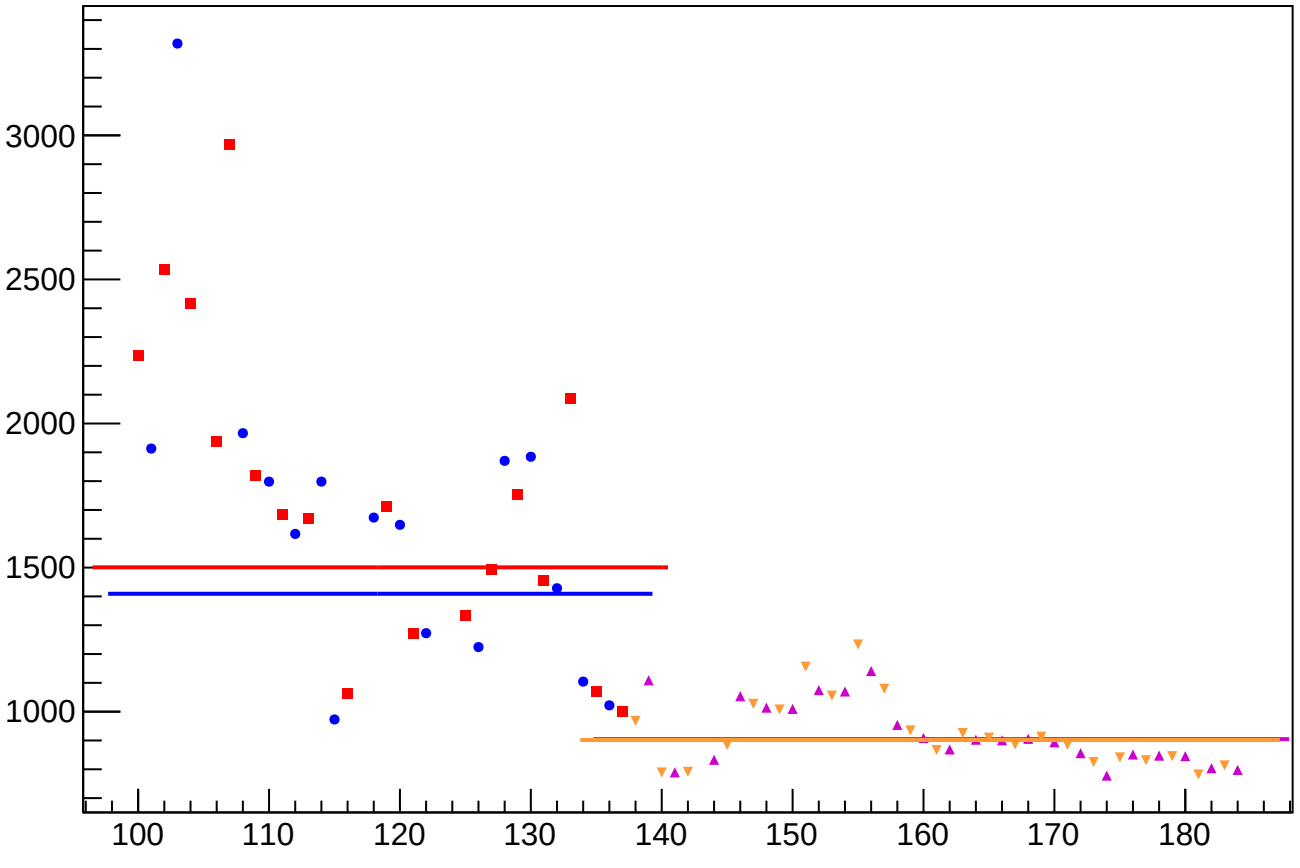
Left: -403.672+/-150.520 χ^2/NDF: 102.2/45

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -64.979+/-198.588 χ^2/NDF:53.6/38

Out: -648.856+/-199.914 χ^2/NDF:83.6/40

All: -354.975+/-140.889 χ^2/NDF: 141.6/79



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: 904.656+/-0.151 χ^2/NDF:452251.7/22

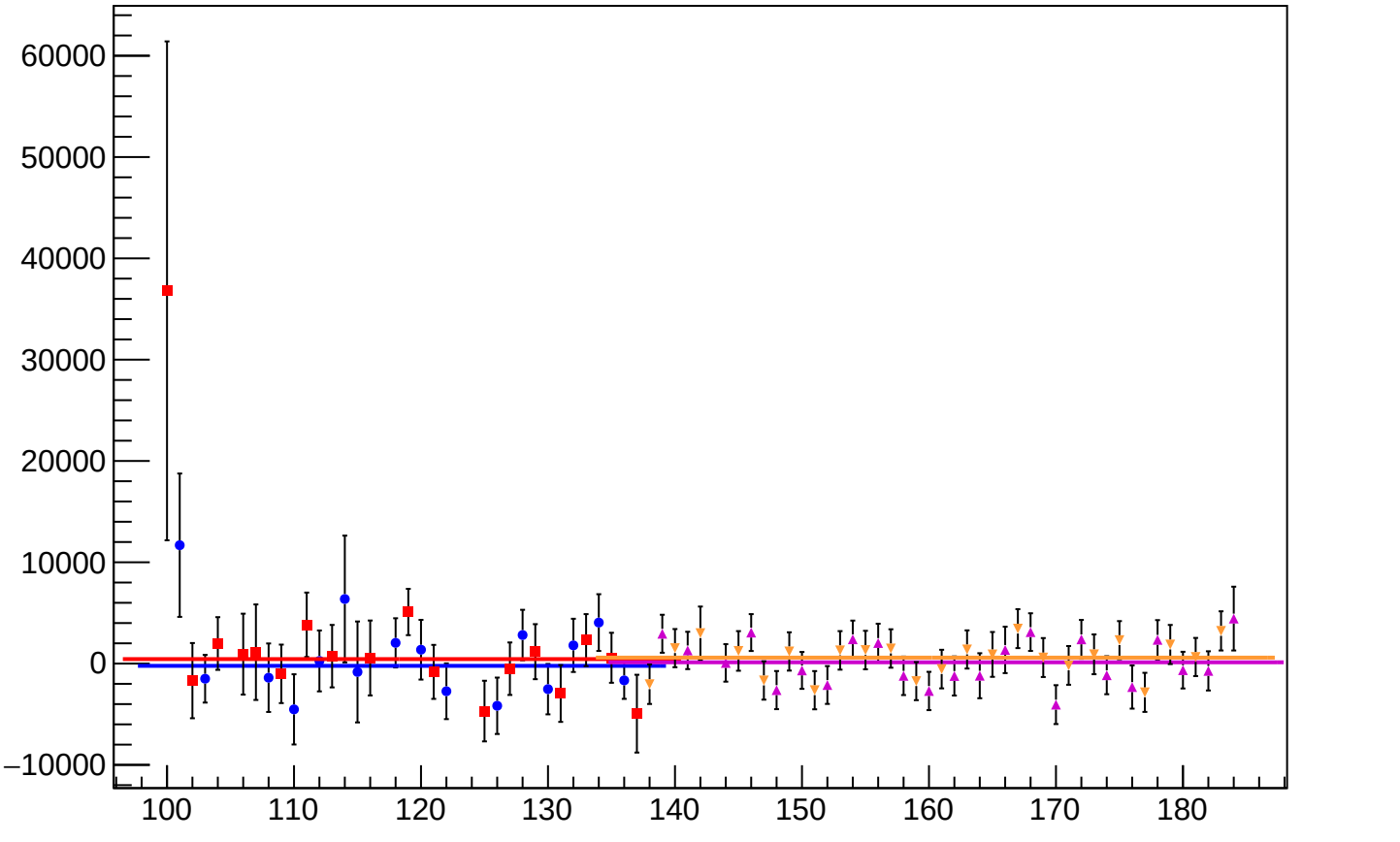
Left: 903.141+/-0.106 χ^2/NDF: 939648.9/45

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 970.470+/-0.140 χ^2/NDF:3083946.9/38

Out: 971.849+/-0.141 χ^2/NDF:3376710.6/40

All: 971.155+/-0.100 χ^2/NDF: 6460705.4/79



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: 126.091+/-404.630 χ^2/NDF:29.5/22

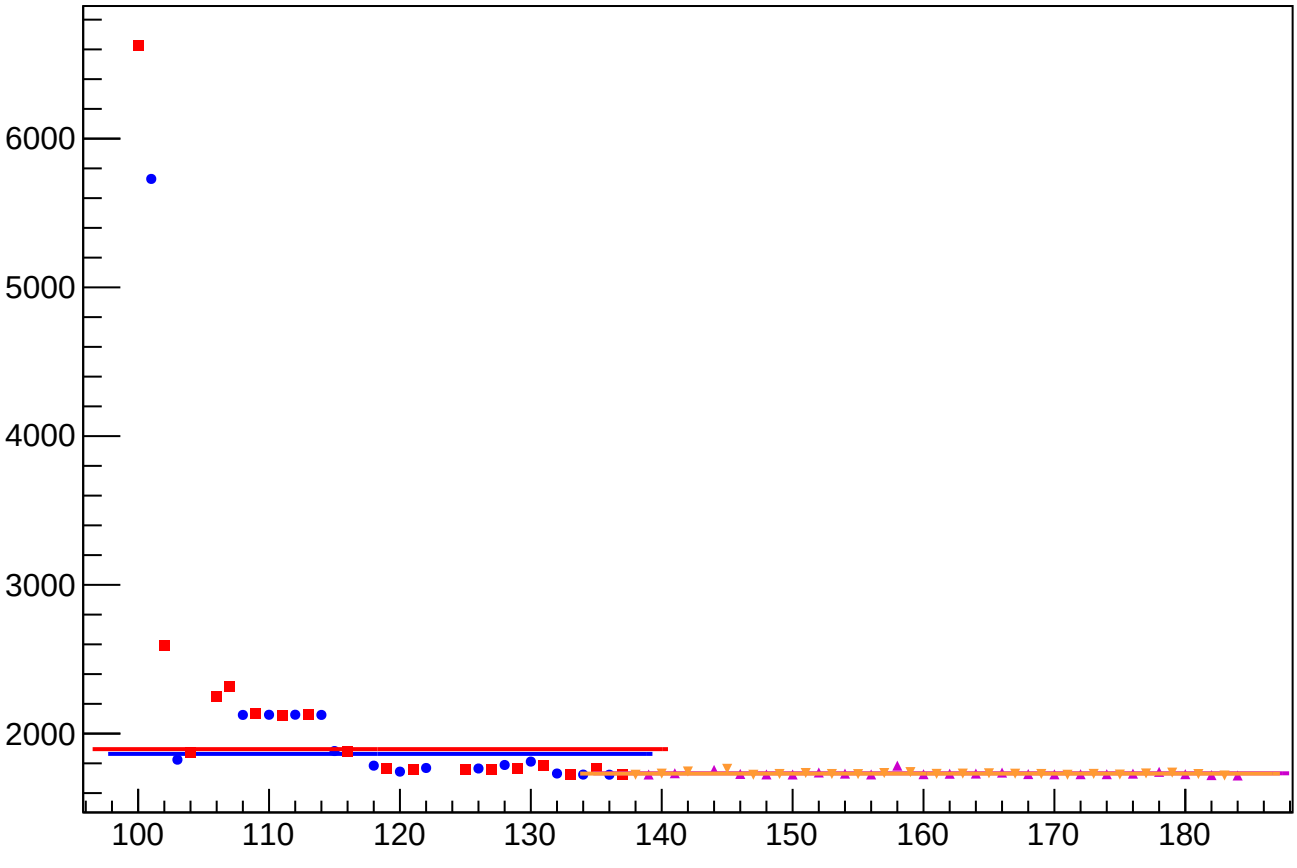
Left: 357.297+/-286.103 χ^2/NDF: 48.9/45

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 40.168+/-351.445 χ^2/NDF:45.5/38

Out: 553.042+/-351.897 χ^2/NDF:34.6/40

All: 296.275+/-248.669 χ^2/NDF: 81.1/79



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: 1733.007+/-0.286 χ^2/NDF:2237.4/22

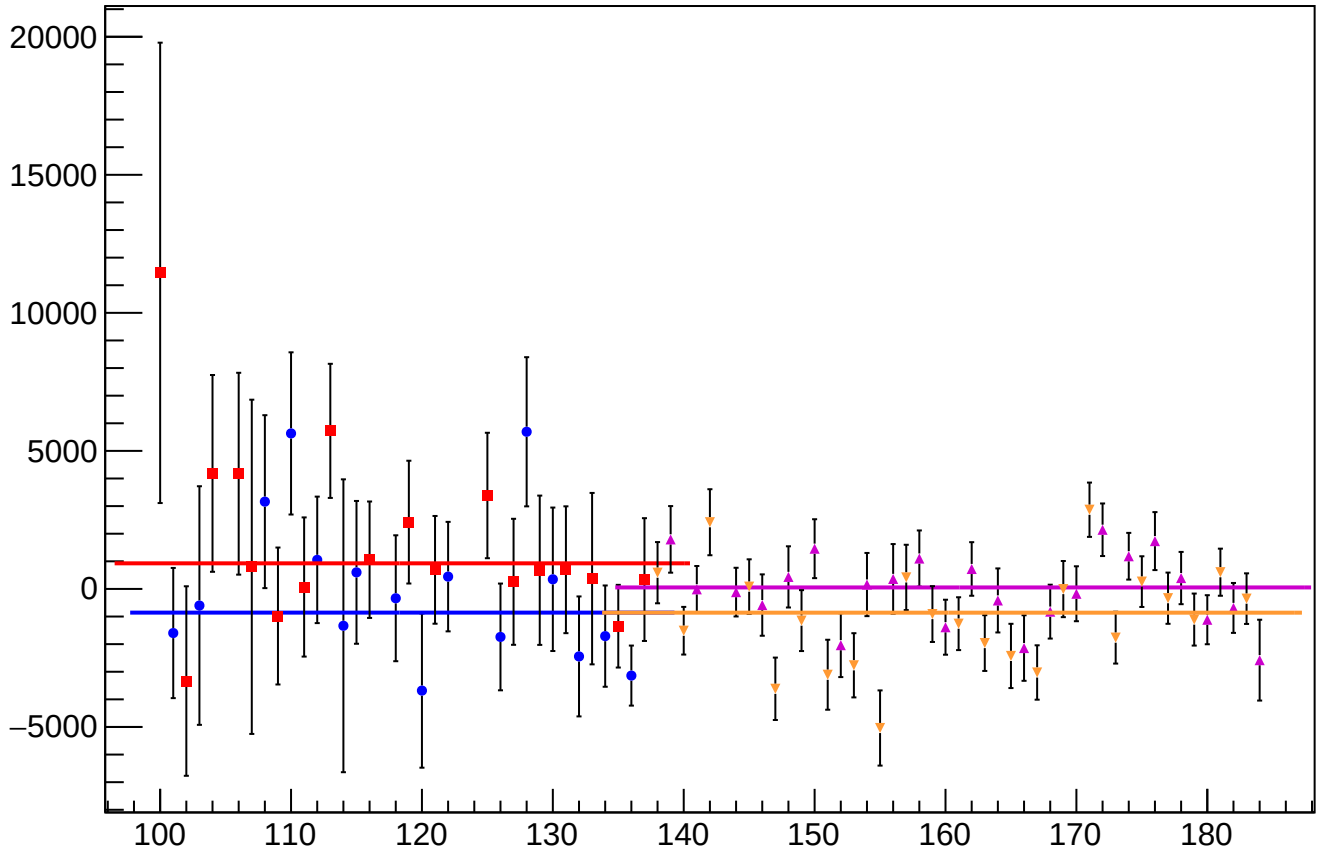
Left: 1732.033+/-0.202 χ^2/NDF: 3191.8/45

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1765.077+/-0.249 χ^2/NDF:728054.7/38

Out: 1771.101+/-0.249 χ^2/NDF:340549.7/40

All: 1768.085+/-0.176 χ^2/NDF: 1068897.9/79



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: 53.927+/-212.965 χ^2/NDF:30.6/22

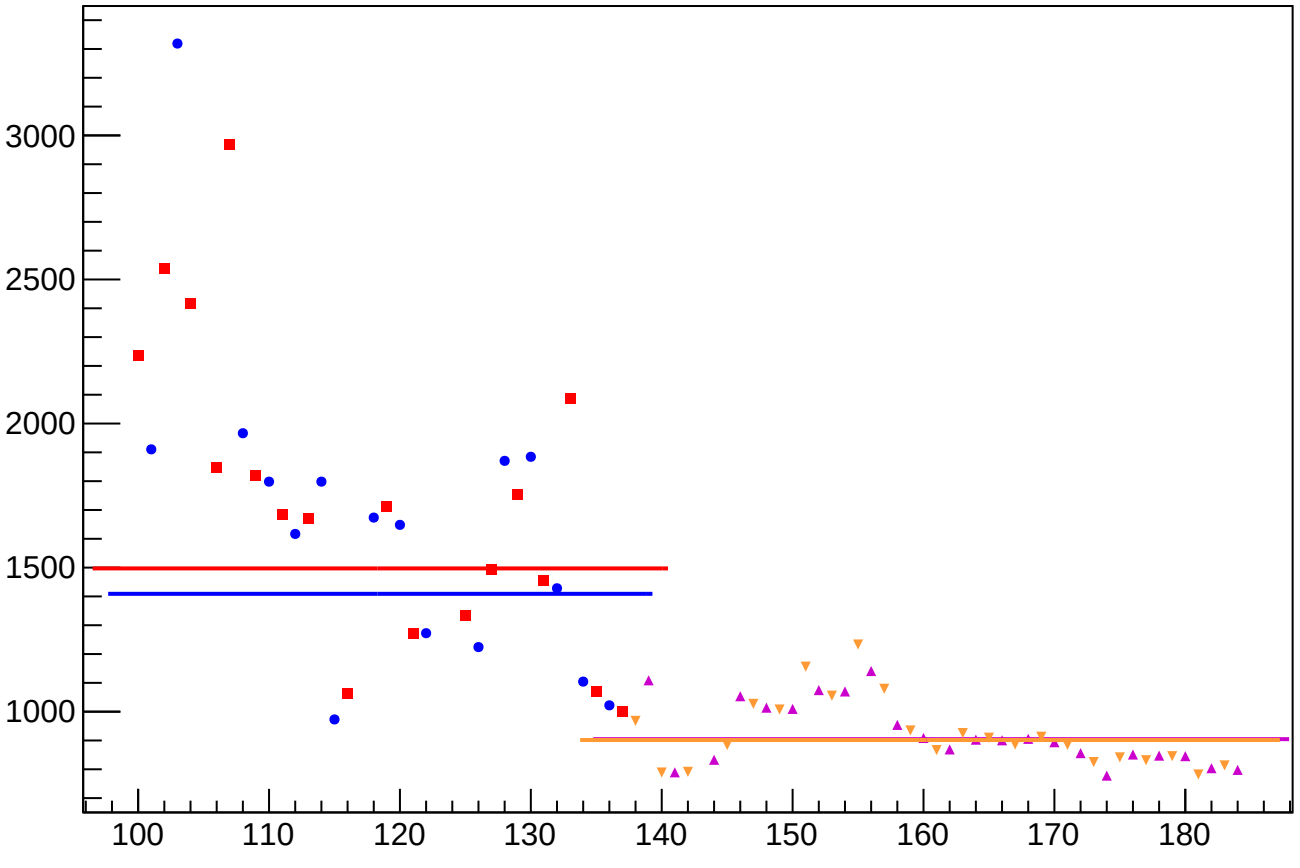
Left: -403.651+/-150.520 χ^2/NDF: 102.2/45

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -65.082+/-198.585 χ^2/NDF:53.6/38

Out: -651.476+/-199.951 χ^2/NDF:84.1/40

All: -356.270+/-140.901 χ^2/NDF: 142.0/79



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: 904.653+/-0.151 χ^2/NDF:452259.2/22

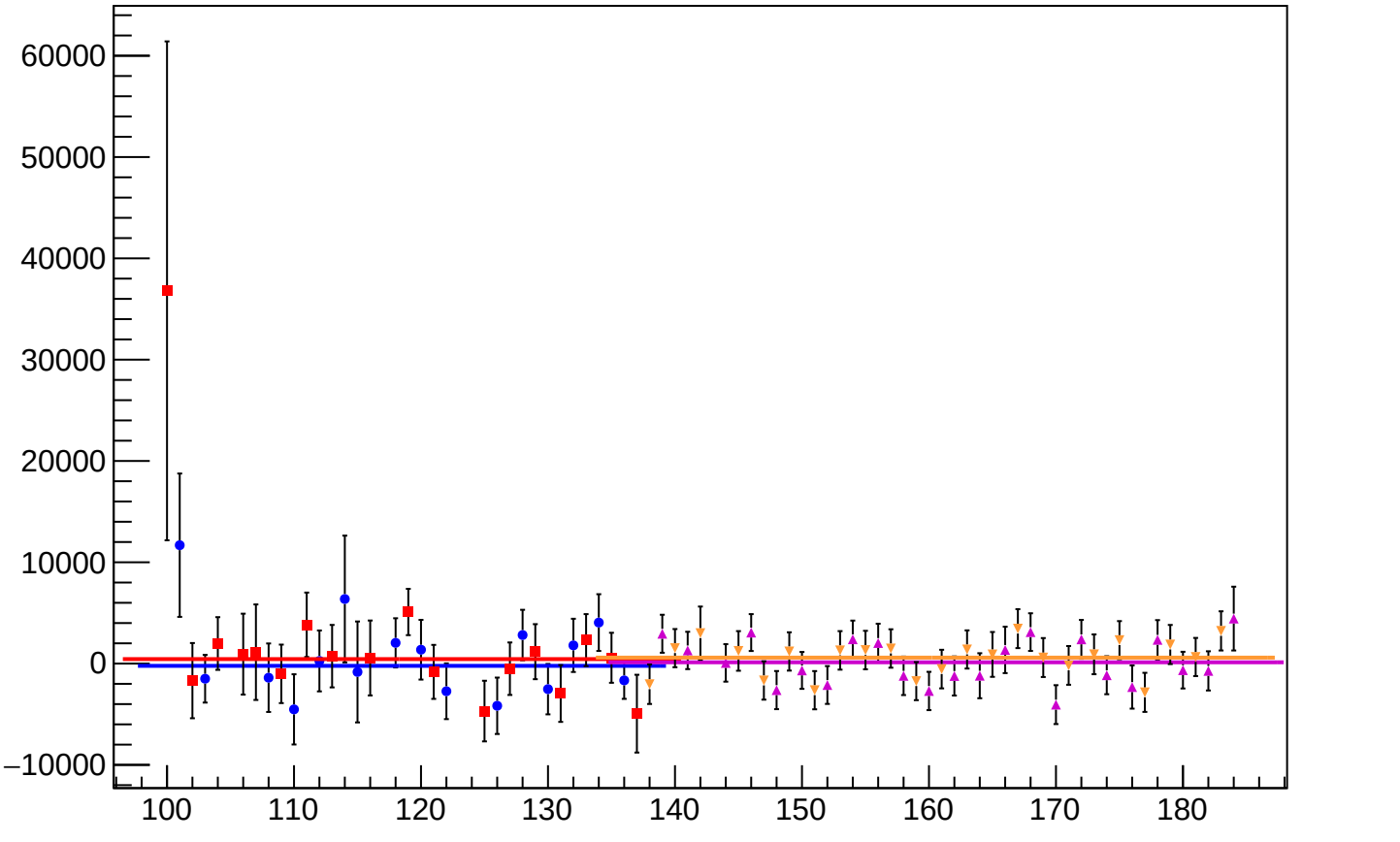
Left: 903.141+/-0.106 χ^2/NDF: 939605.2/45

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 970.466+/-0.140 χ^2/NDF:3083081.7/38

Out: 971.230+/-0.141 χ^2/NDF:3336316.2/40

All: 970.845+/-0.100 χ^2/NDF: 6419412.7/79



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: 126.091+/-404.630 χ^2/NDF:29.5/22

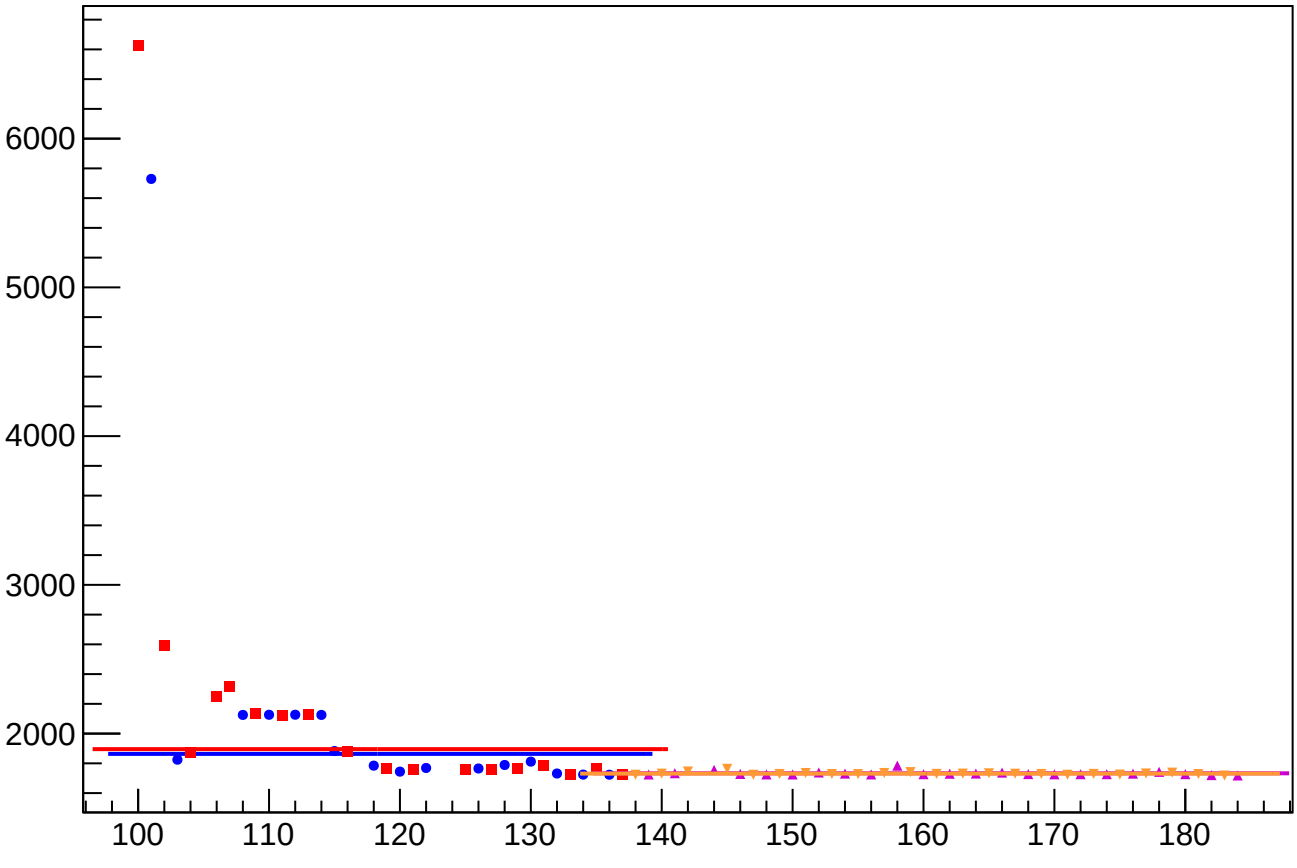
Left: 357.297+/-286.103 χ^2/NDF: 48.9/45

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 40.168+/-351.445 χ^2/NDF:45.5/38

Out: 553.042+/-351.897 χ^2/NDF:34.6/40

All: 296.275+/-248.669 χ^2/NDF: 81.1/79



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: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1732.033+/-0.202 χ^2/NDF: 3191.8/45

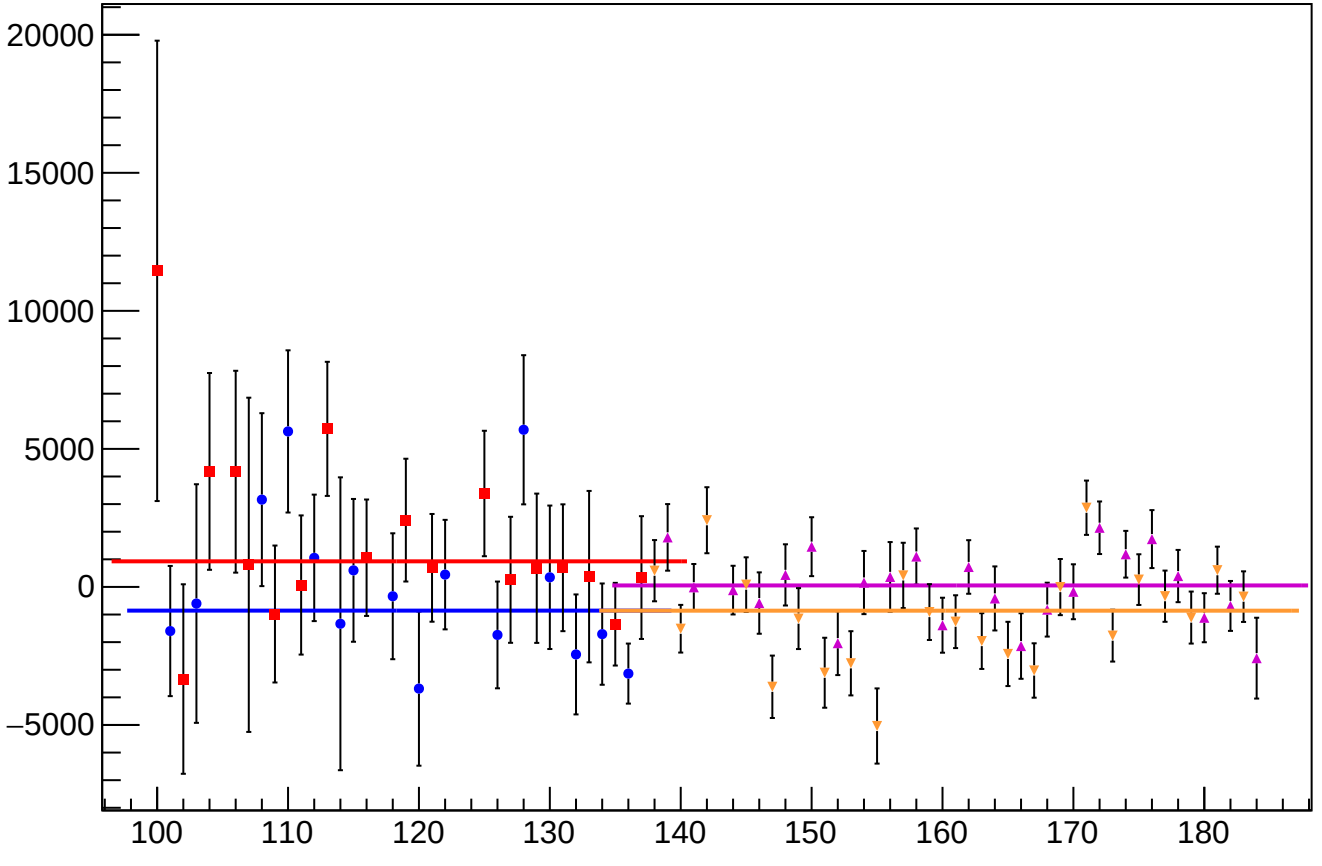
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1765.077+/-0.249 χ^2/NDF:728054.7/38

Out: 1771.101+/-0.249 χ^2/NDF:340549.7/40

All: 1768.085+/-0.176 χ^2/NDF: 1068897.9/79

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: 53.927+/-212.965 χ^2/NDF:30.6/22

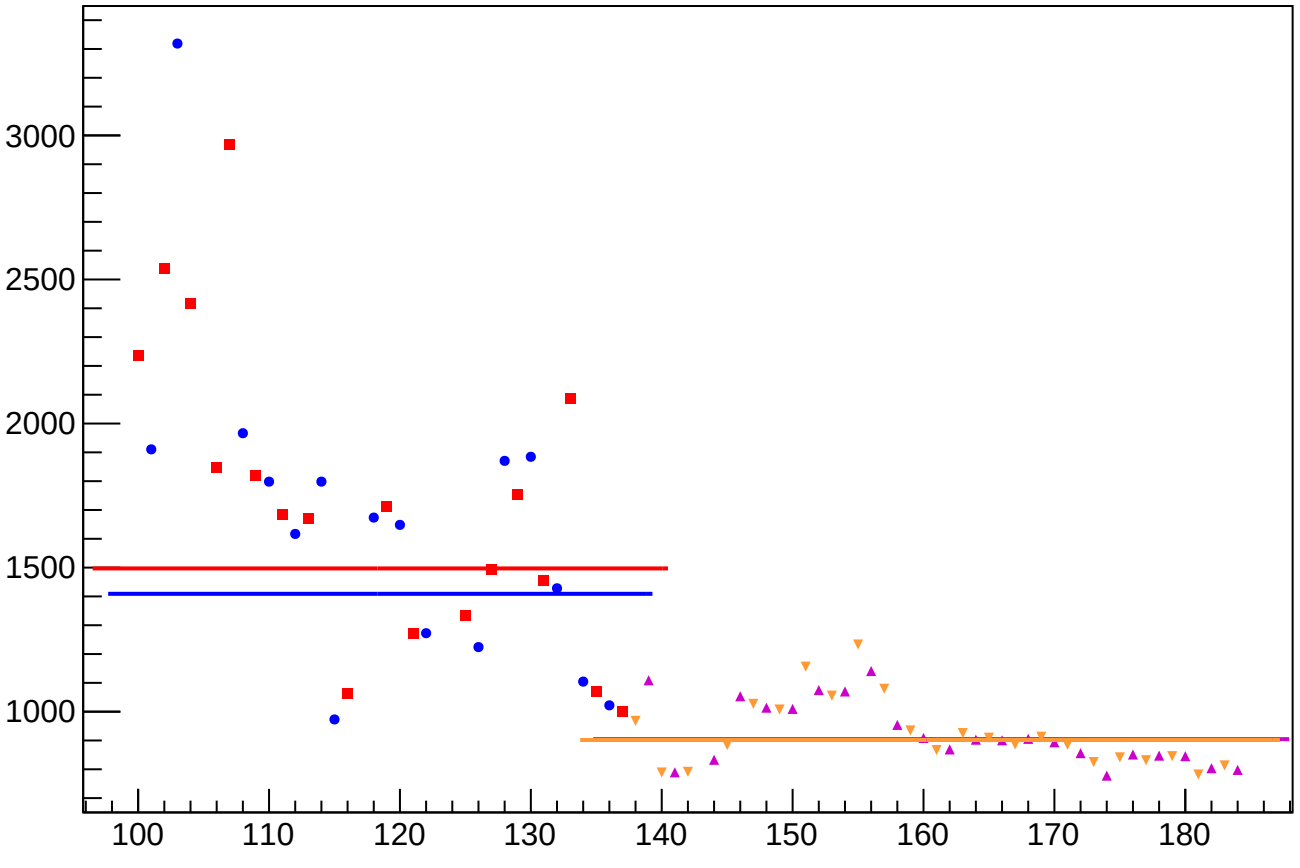
Left: -403.651+/-150.520 χ^2/NDF: 102.2/45

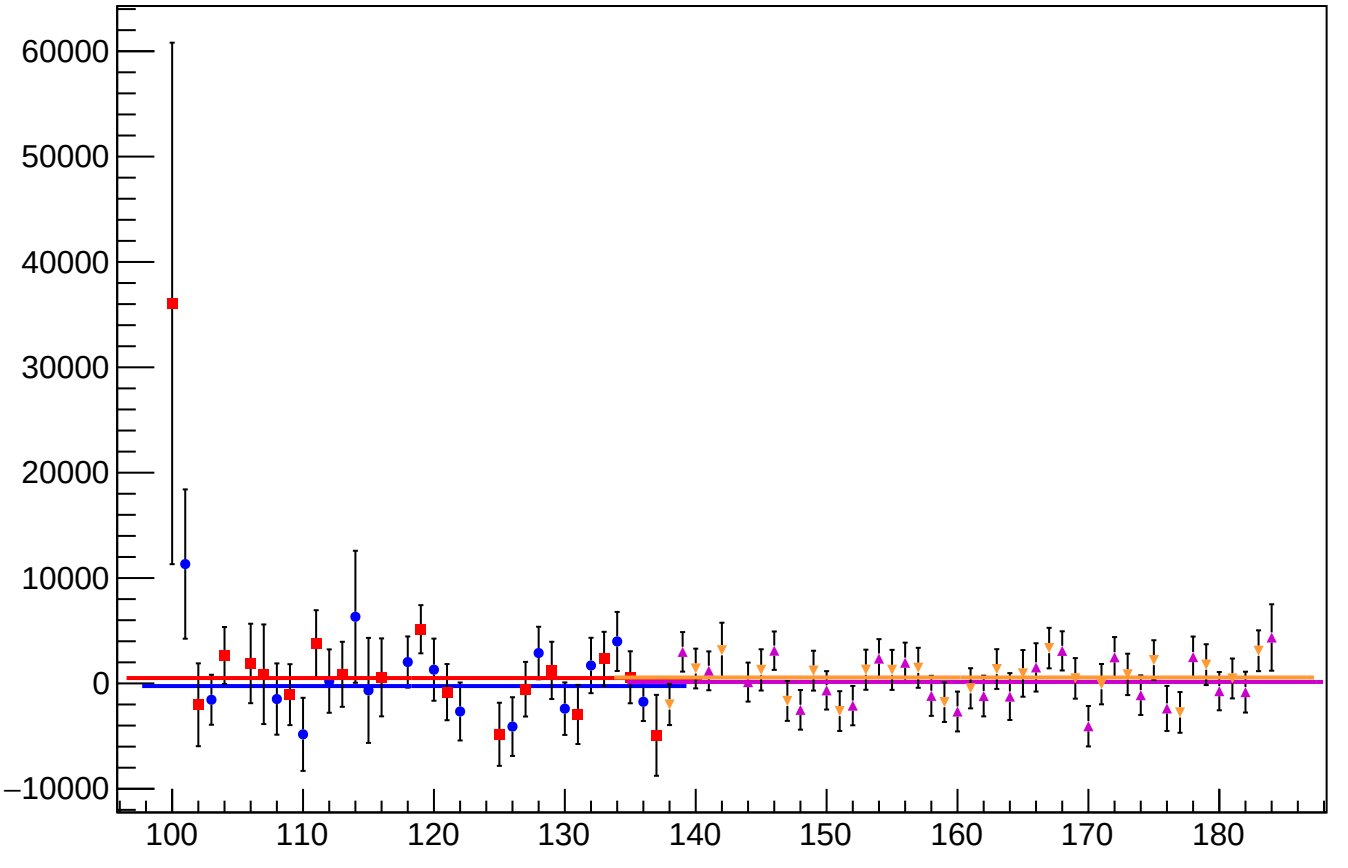
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -65.082+/-198.585 χ^2/NDF:53.6/38

Out: -651.476+/-199.951 χ^2/NDF:84.1/40

All: -356.270+/-140.901 χ^2/NDF: 142.0/79


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
180
Right In: 1409.018+/-0.389 χ²/NDF: 1167065.5/15
Left Out: 901.632+/-0.150 χ²/NDF:487144.5/22
Right Out: 1497.149+/-0.414 χ²/NDF: 1018123.6/17
Left In: 904.653+/-0.151 χ²/NDF:452259.2/22
Left: 903.141+/-0.106 χ²/NDF: 939605.2/45
Right: 1450.357+/-0.283 χ²/NDF: 2209298.3/33
In: 970.466+/-0.140 χ²/NDF:3083081.7/38
Out: 971.230+/-0.141 χ²/NDF:3336316.2/40
All: 970.845+/-0.100 χ²/NDF: 6419412.7/79



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: 137.162+/-404.995 χ^2/NDF:29.6/22

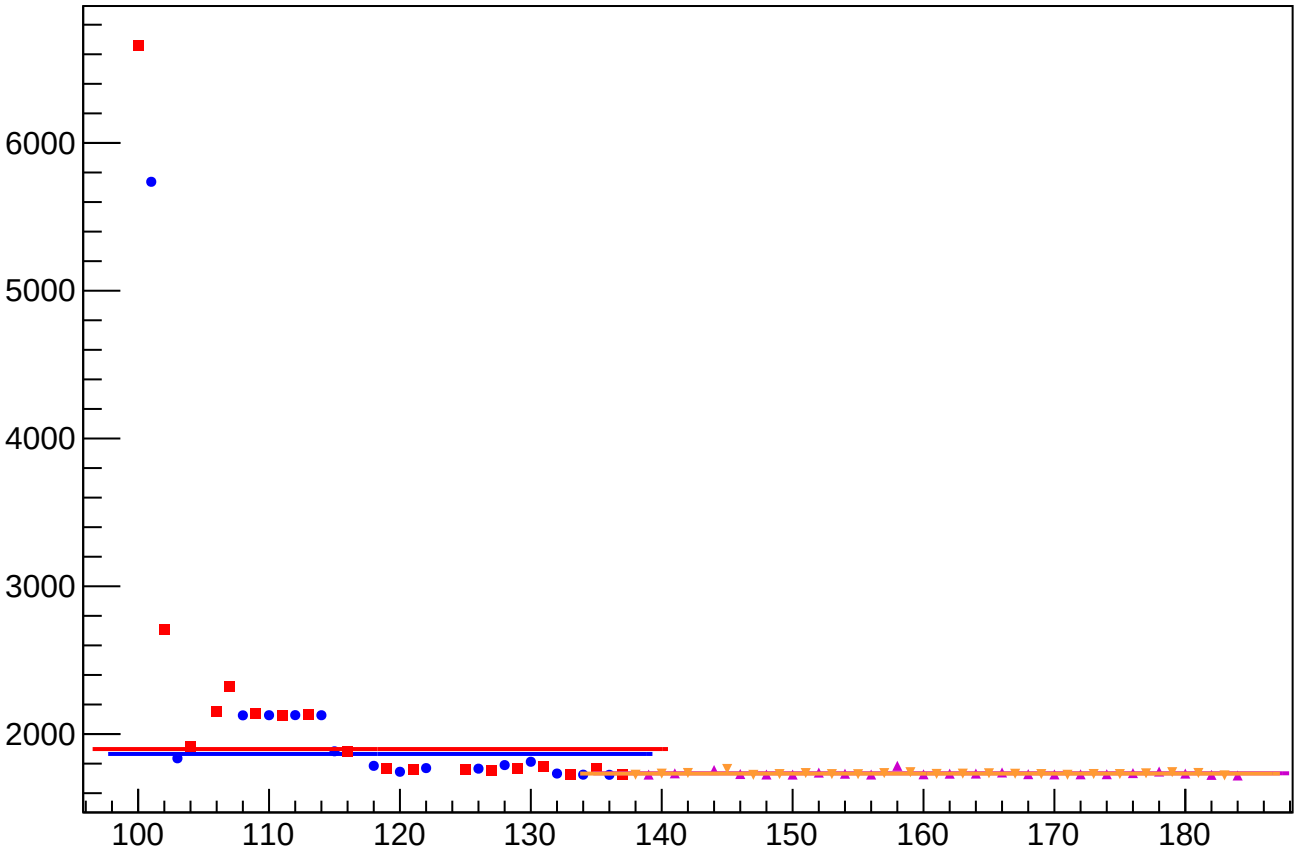
Left: 350.506+/-286.362 χ^2/NDF: 48.1/45

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 41.613+/-351.784 χ^2/NDF:45.4/38

Out: 550.784+/-352.421 χ^2/NDF:34.4/40

All: 295.738+/-248.974 χ^2/NDF: 80.9/79



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: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.590+/-0.202 χ^2/NDF: 3107.3/45

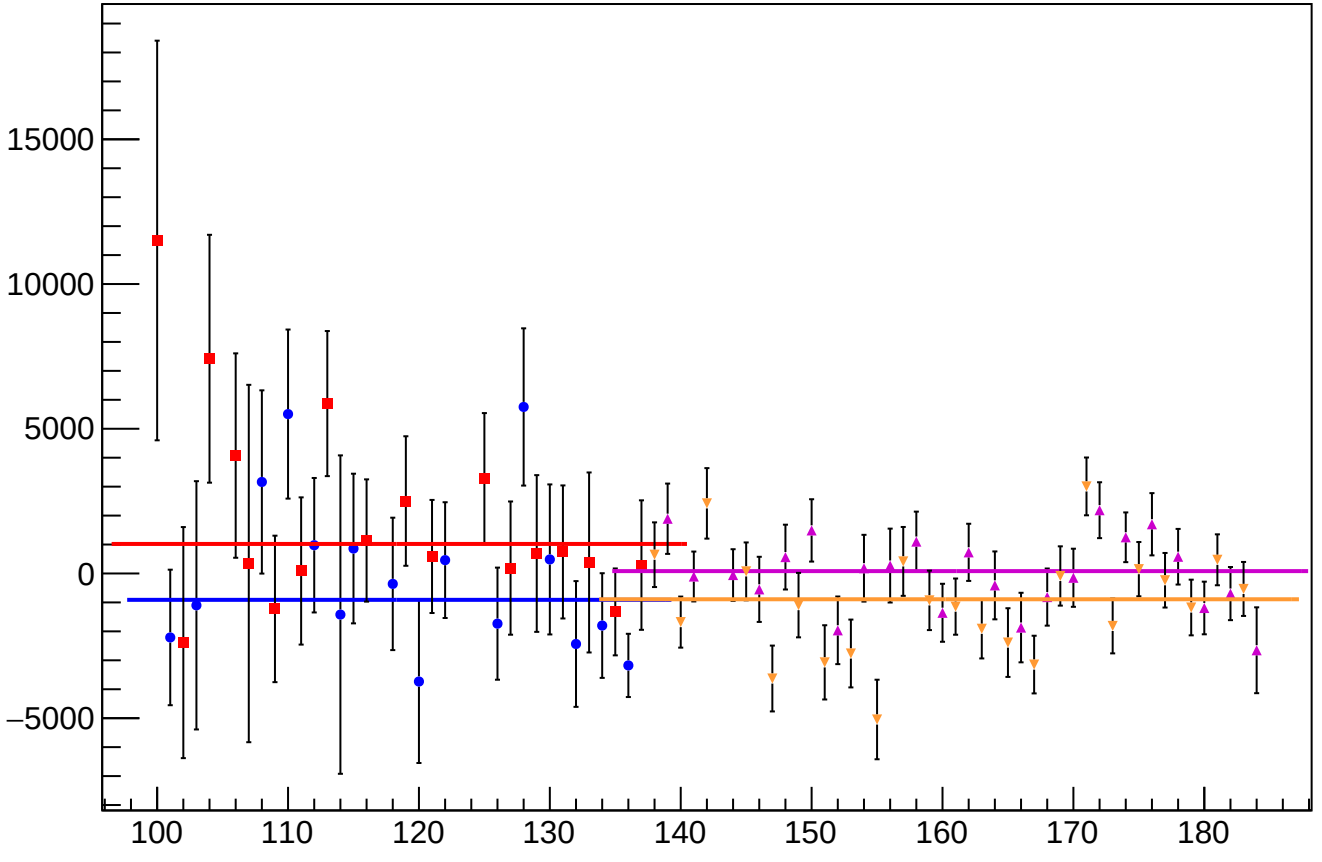
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1766.698+/-0.249 χ^2/NDF:728478.7/38

Out: 1772.889+/-0.249 χ^2/NDF:351514.6/40

All: 1769.788+/-0.176 χ^2/NDF: 1080302.5/79

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: 81.519+/-215.913 χ^2/NDF:30.0/22

Left: -404.776+/-152.686 χ^2/NDF: 101.7/45

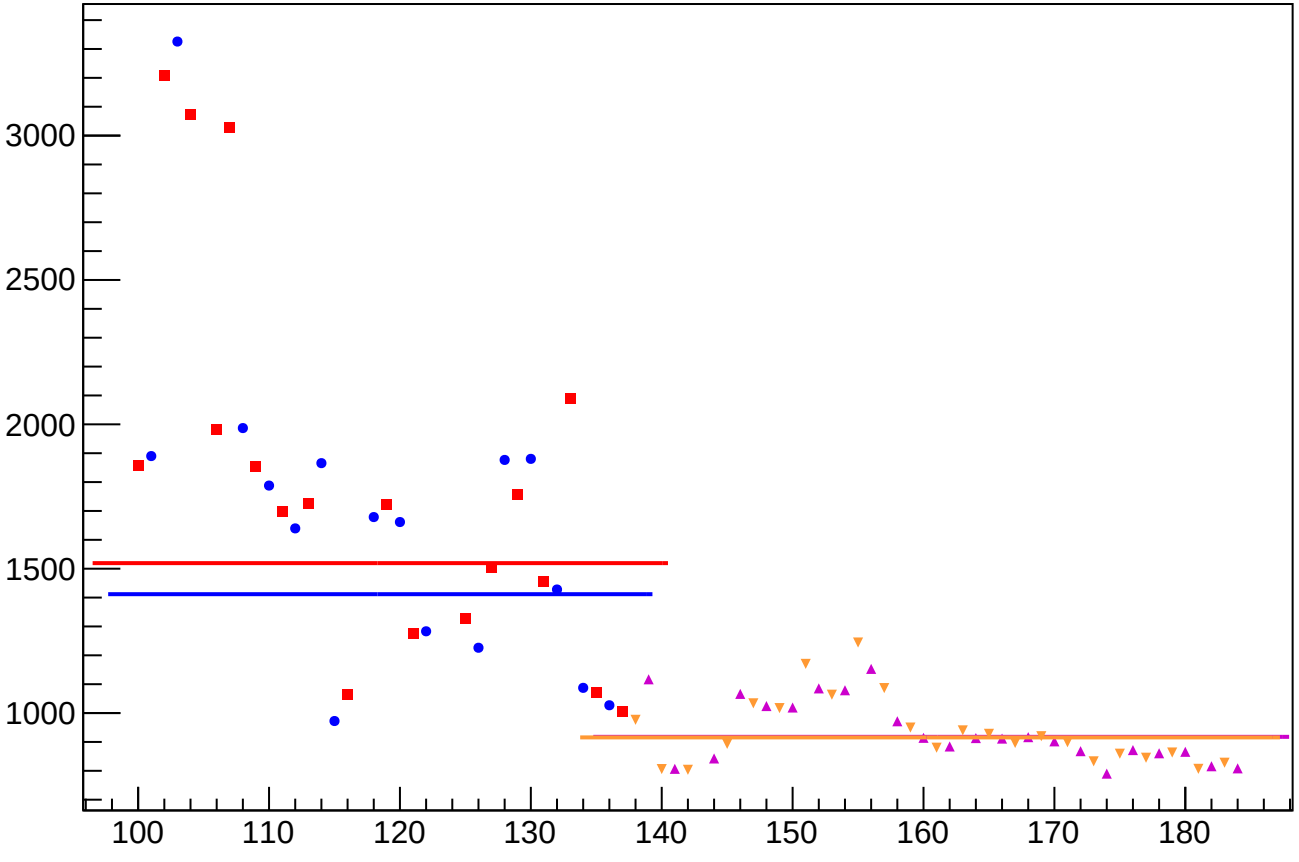
Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -50.659+/-201.022 χ^2/NDF:53.8/38

Out: -666.495+/-202.855 χ^2/NDF:85.7/40

All: -355.783+/-142.788 χ^2/NDF: 144.2/79

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



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: 917.674+/-0.153 χ^2/NDF:430498.5/22

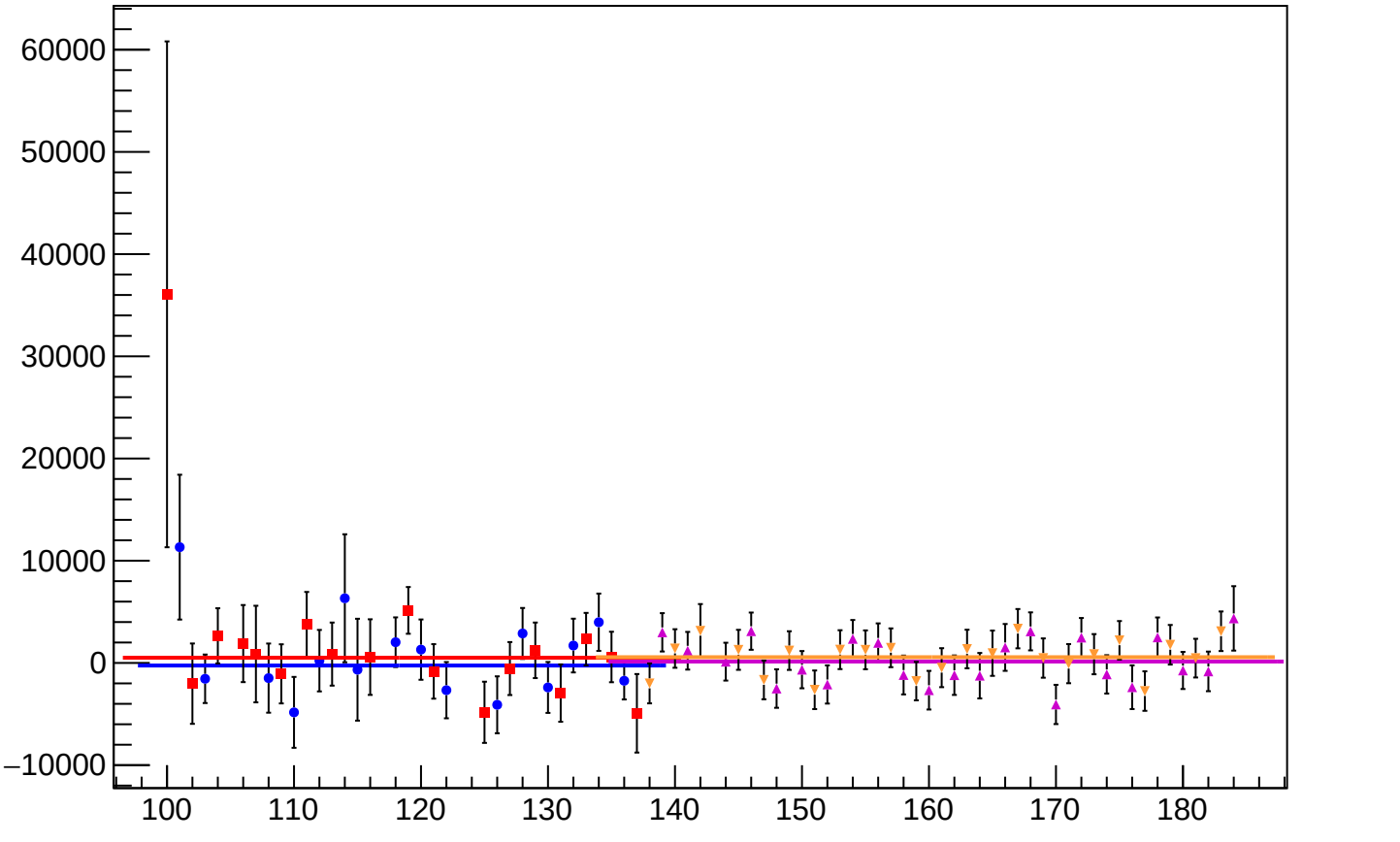
Left: 916.699+/-0.108 χ^2/NDF: 885443.2/45

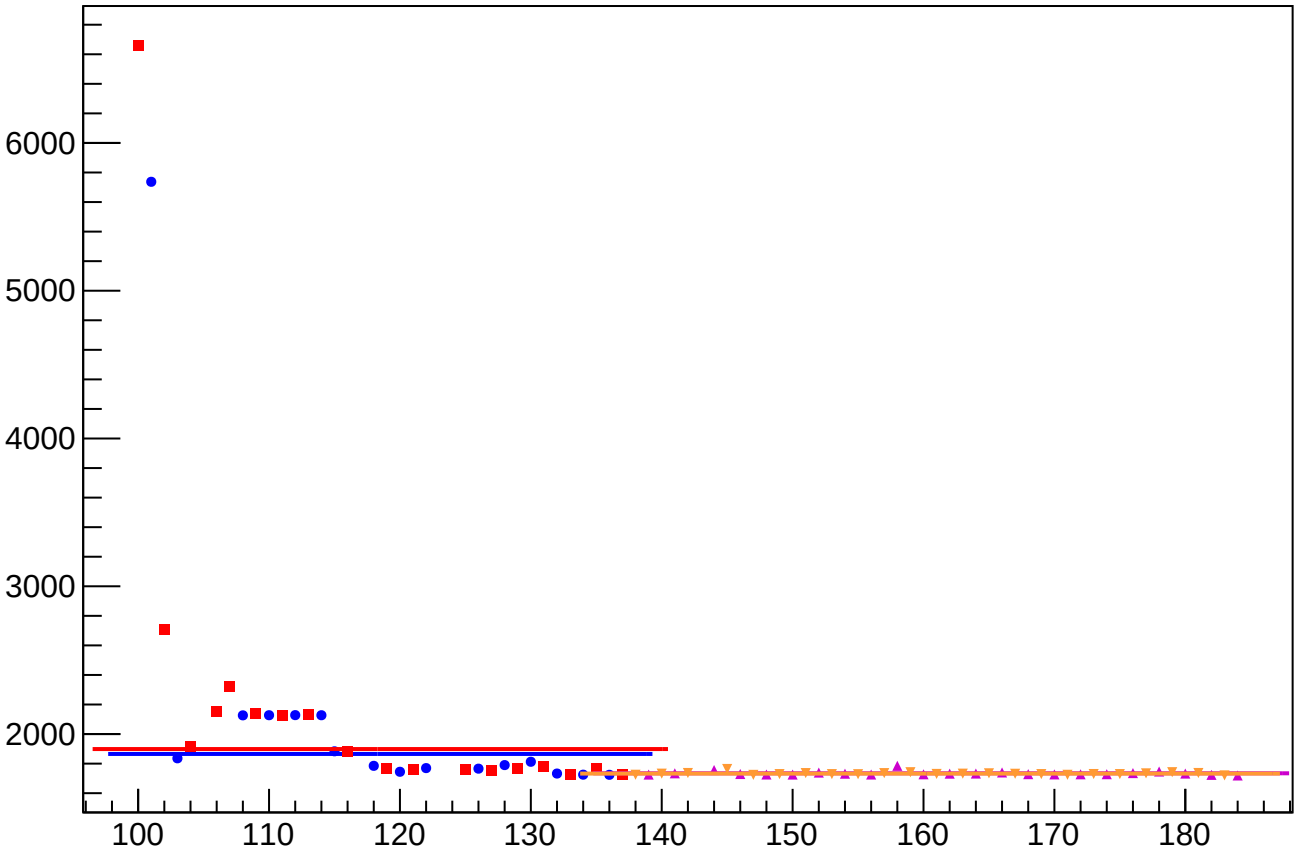
Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 983.475+/-0.142 χ^2/NDF:3002998.0/38

Out: 986.689+/-0.143 χ^2/NDF:3652070.3/40

All: 985.068+/-0.101 χ^2/NDF: 6655321.6/79


eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: -252.023+/-709.973 χ²/NDF: 15.6/15
Left Out: 563.813+/-404.960 χ²/NDF:18.0/22
Right Out: 510.117+/-715.442 χ²/NDF: 16.4/17
Left In: 137.163+/-404.995 χ²/NDF:29.6/22
Left: 350.506+/-286.362 χ²/NDF: 48.1/45
Right: 126.122+/-503.949 χ²/NDF: 32.6/33
In: 41.614+/-351.784 χ²/NDF:45.4/38
Out: 550.784+/-352.421 χ²/NDF:34.4/40
All: 295.738+/-248.974 χ²/NDF: 80.9/79



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: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.590+/-0.202 χ^2/NDF: 3107.3/45

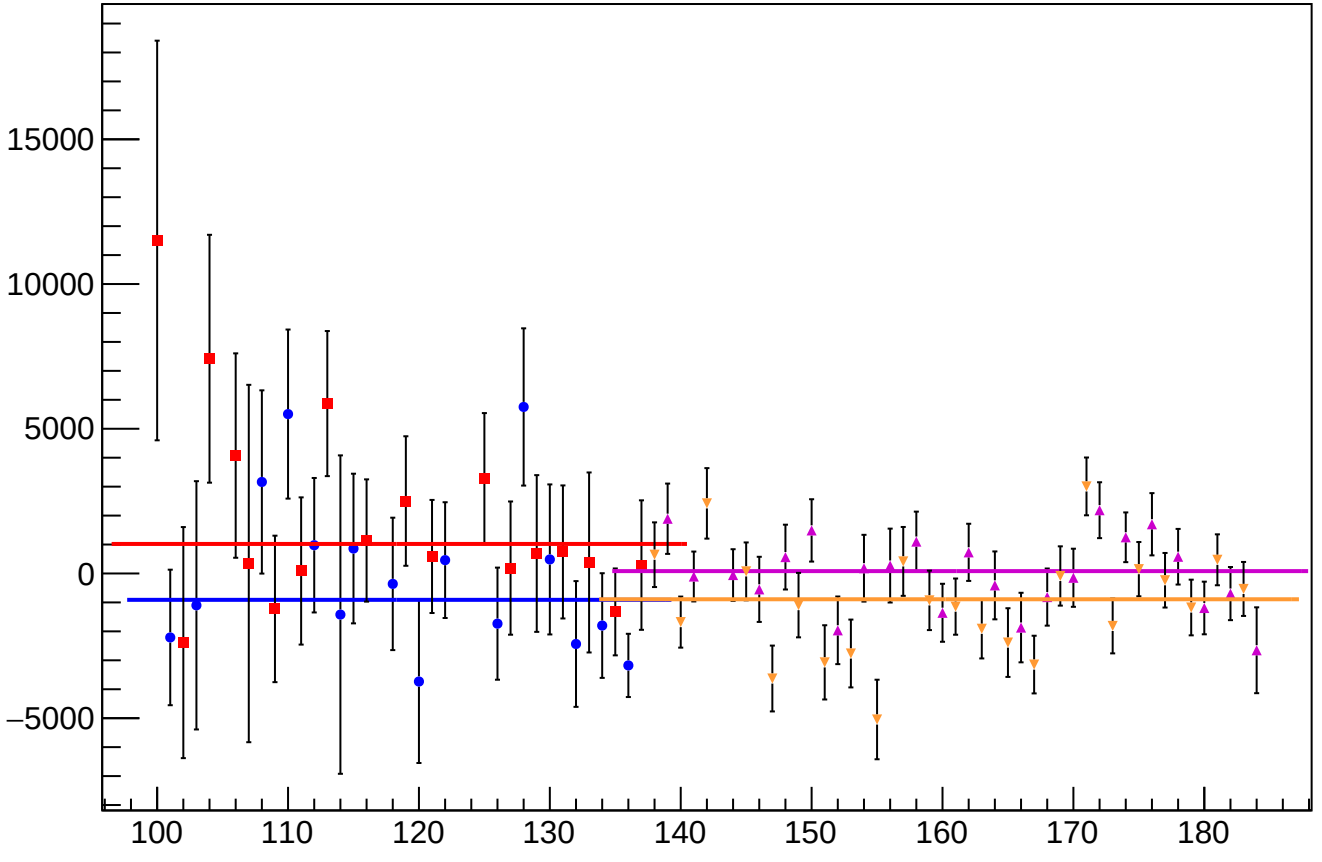
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1766.698+/-0.249 χ^2/NDF:728478.7/38

Out: 1772.889+/-0.249 χ^2/NDF:351514.3/40

All: 1769.788+/-0.176 χ^2/NDF: 1080302.2/79

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: 81.518+/-215.913 χ^2/NDF:30.0/22

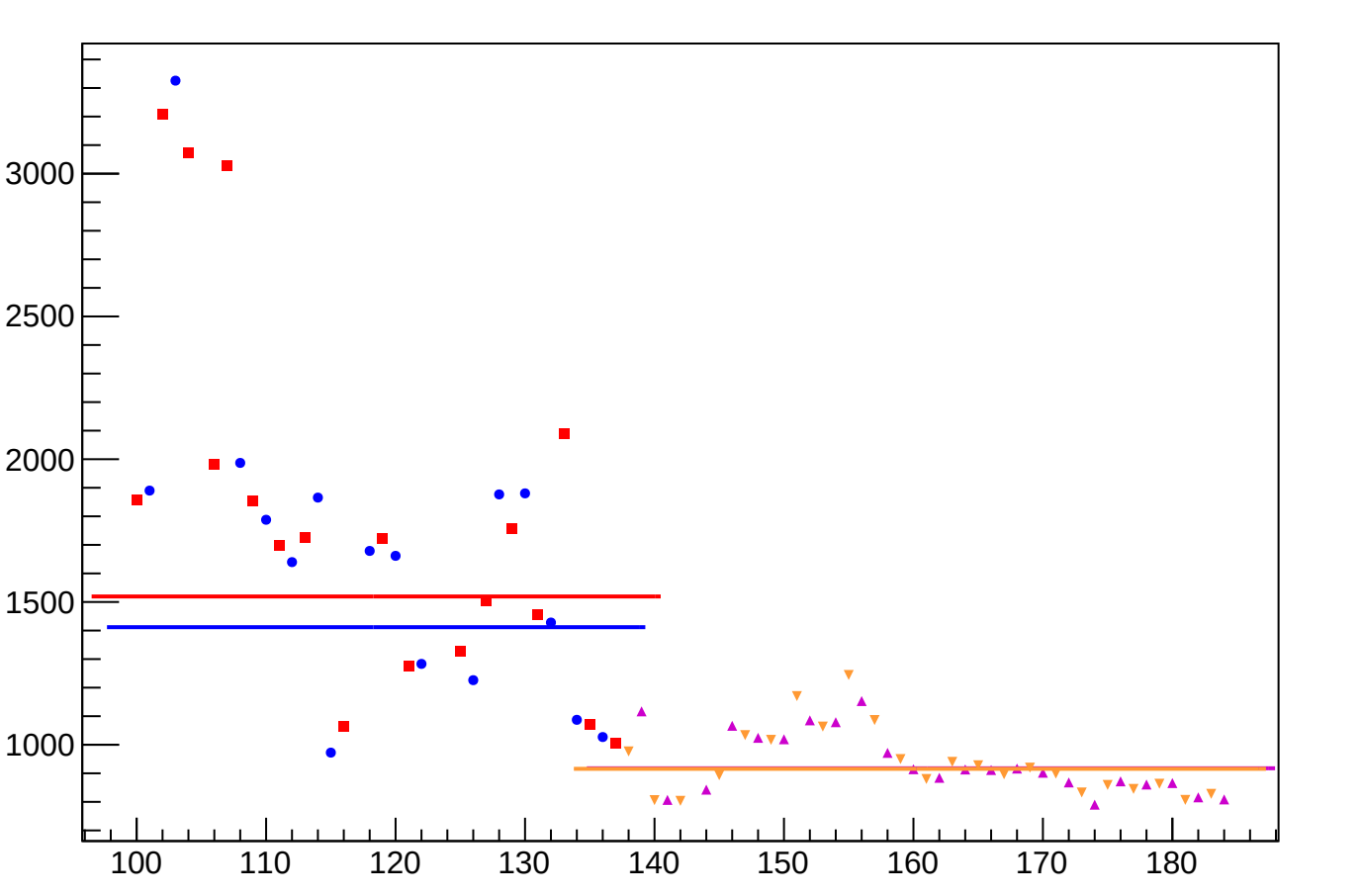
Left: -404.776+/-152.686 χ^2/NDF: 101.7/45

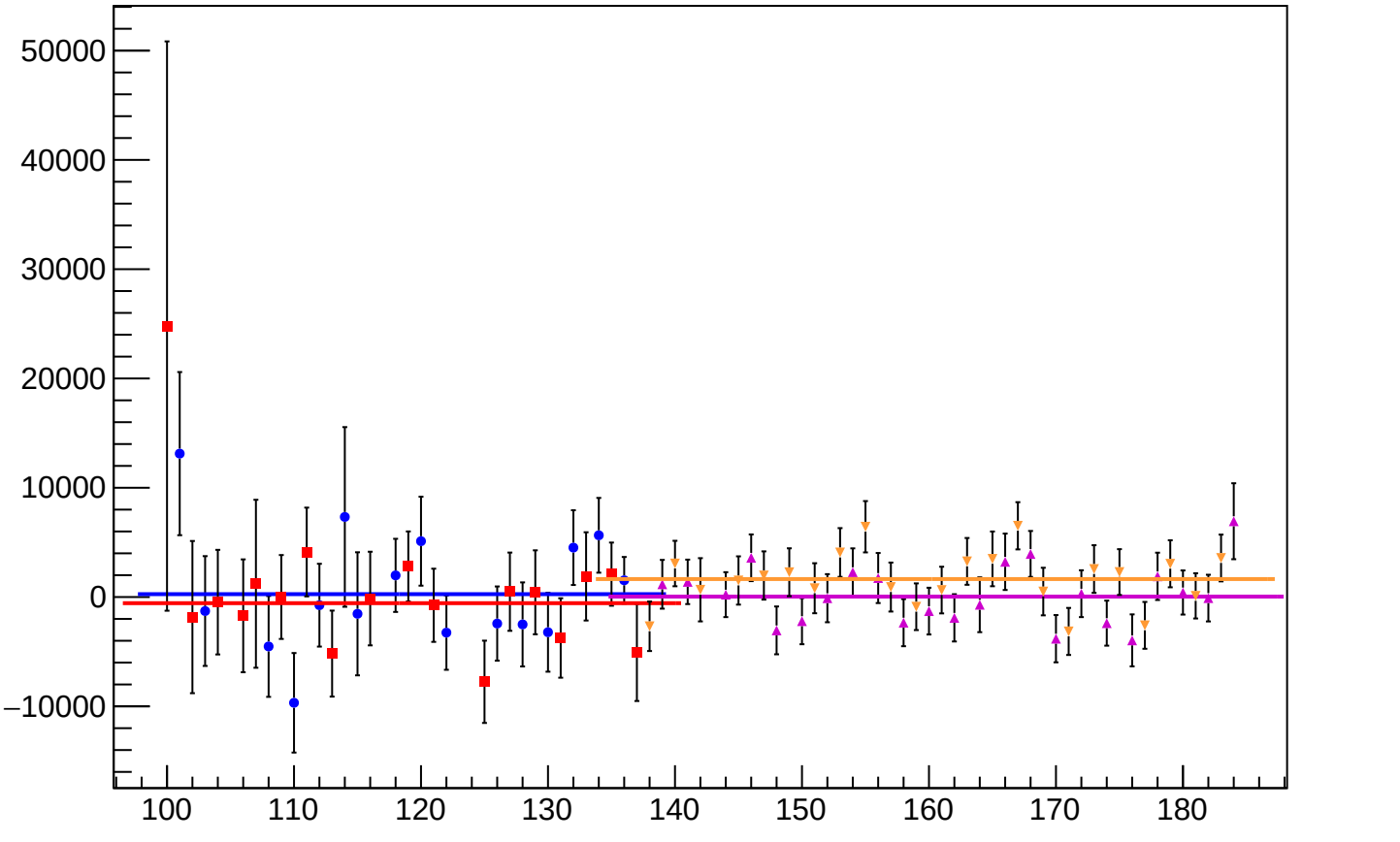
Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -50.660+/-201.022 χ^2/NDF:53.8/38

Out: -666.494+/-202.855 χ^2/NDF:85.7/40

All: -355.783+/-142.788 χ^2/NDF: 144.2/79


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
180
Right In: 1411.745+/-0.389 χ²/NDF: 1177746.1/15
Left Out: 915.723+/-0.153 χ²/NDF:454871.4/22
Right Out: 1519.302+/-0.418 χ²/NDF: 1360150.0/17
Left In: 917.674+/-0.153 χ²/NDF:430509.1/22
Left: 916.698+/-0.108 χ²/NDF: 885462.1/45
Right: 1461.691+/-0.285 χ²/NDF: 2573306.2/33
In: 983.475+/-0.142 χ²/NDF:3002998.9/38
Out: 986.689+/-0.143 χ²/NDF:3652073.9/40
All: 985.067+/-0.101 χ²/NDF: 6655326.2/79



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: 39.885+/-459.938 χ^2/NDF:27.8/22

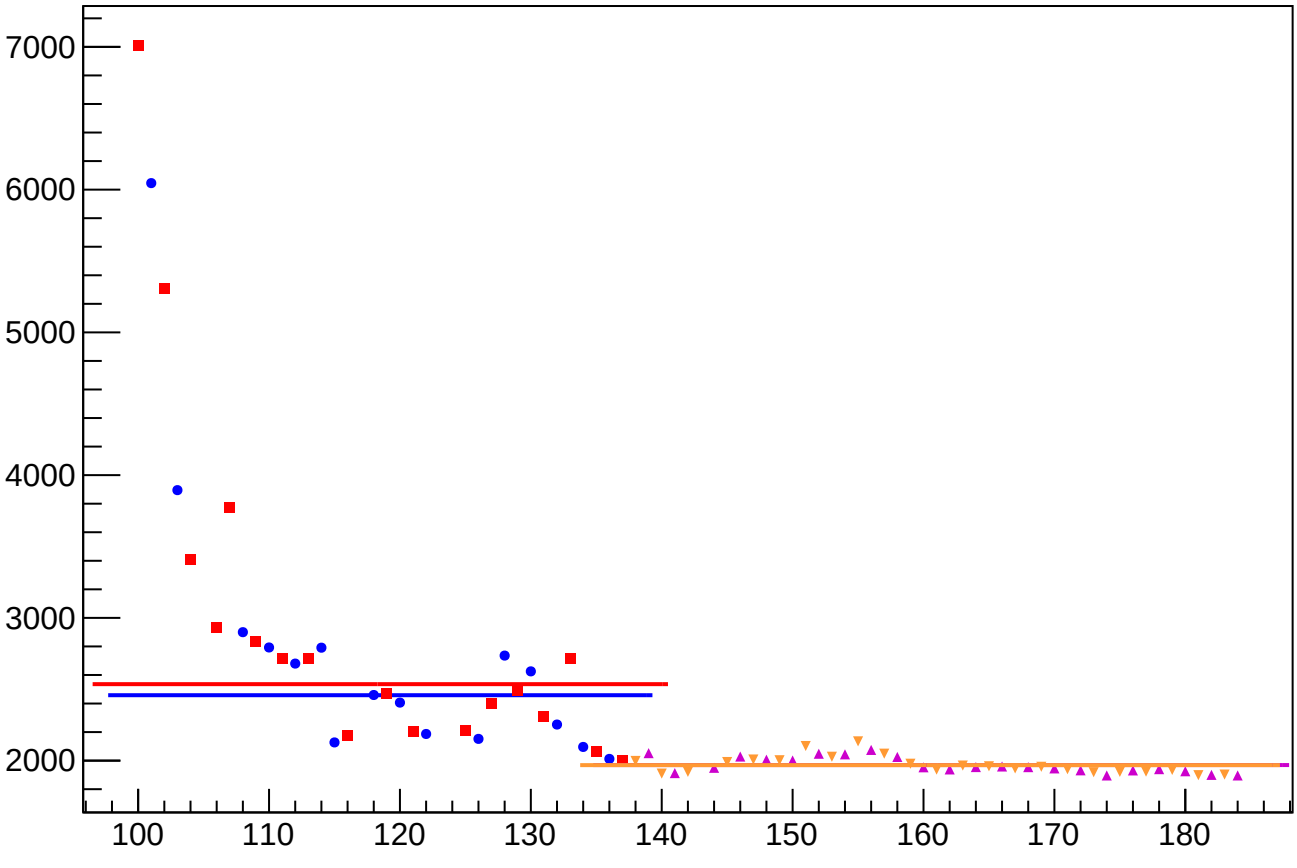
Left: 842.604+/-325.375 χ^2/NDF: 62.9/45

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 83.103+/-413.302 χ^2/NDF:46.9/38

Out: 1236.079+/-415.339 χ^2/NDF:45.0/40

All: 656.757+/-292.966 χ^2/NDF: 95.7/79



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: 1969.022+/-0.325 χ^2/NDF:26523.0/22

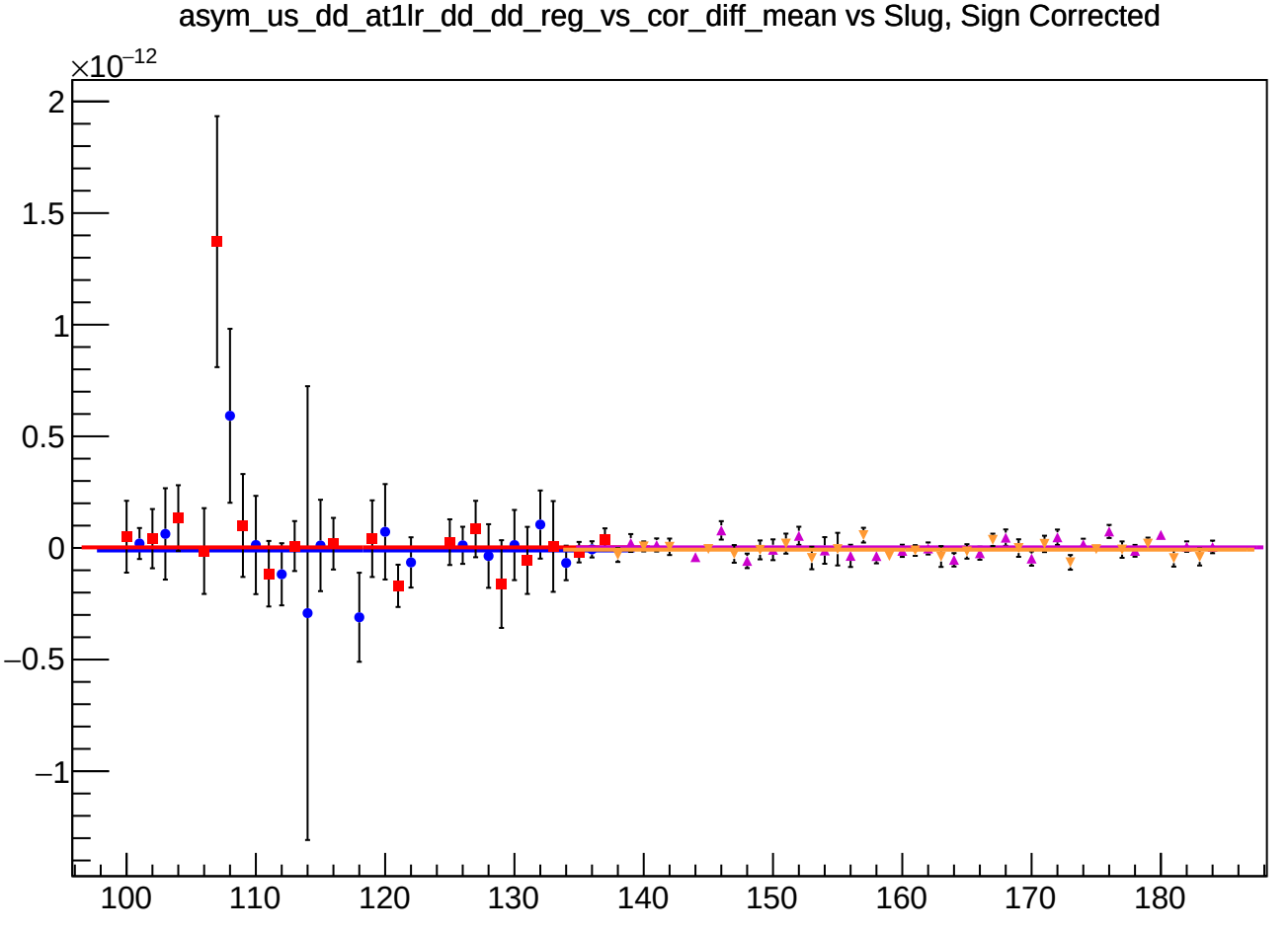
Left: 1968.765+/-0.230 χ^2/NDF: 59993.8/45

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2063.219+/-0.292 χ^2/NDF:1295176.2/38

Out: 2074.044+/-0.294 χ^2/NDF:1271771.1/40

All: 2068.605+/-0.207 χ^2/NDF: 2567630.0/79



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:38.9/22

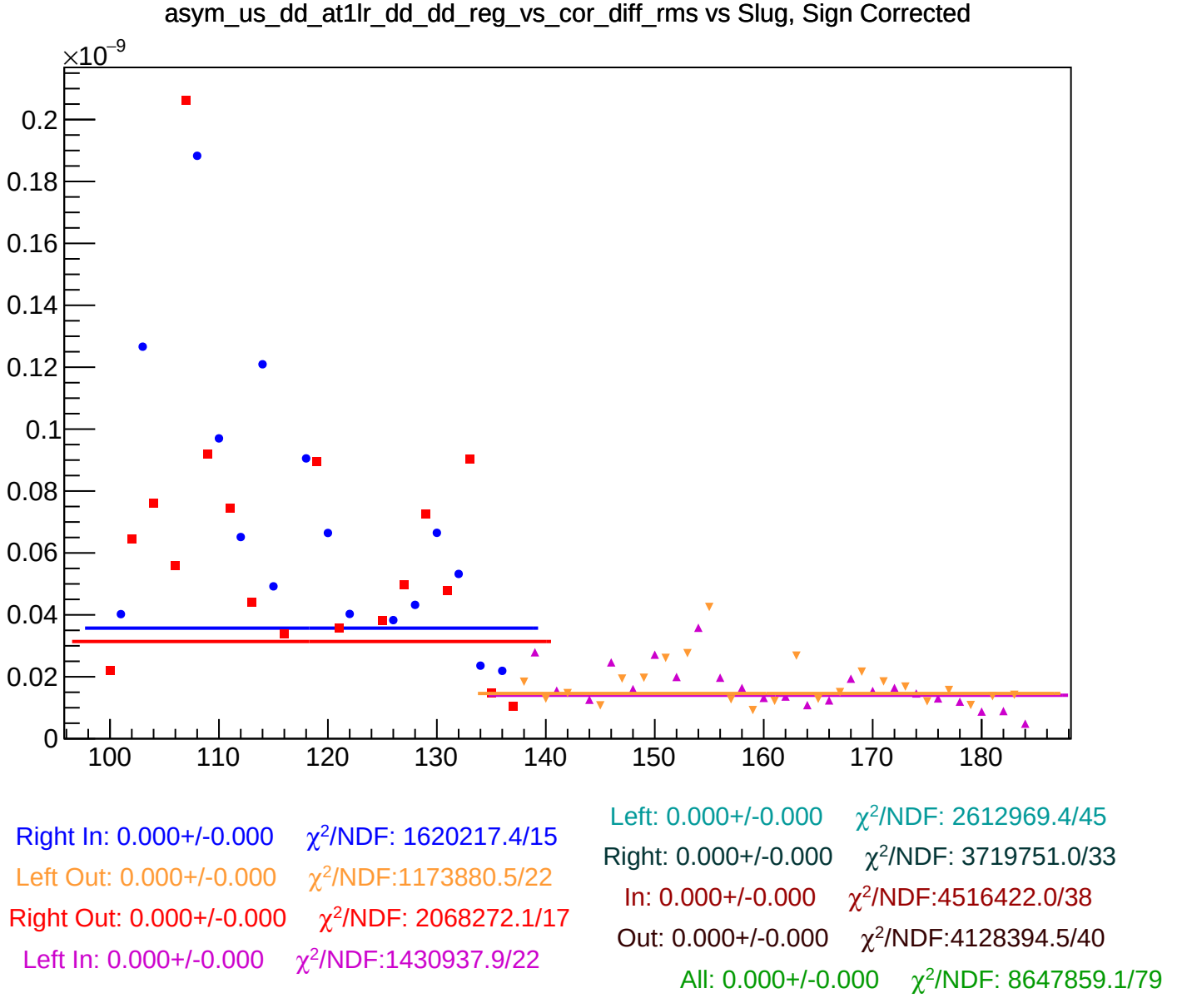
Left: -0.000+/-0.000 χ^2/NDF: 57.2/45

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

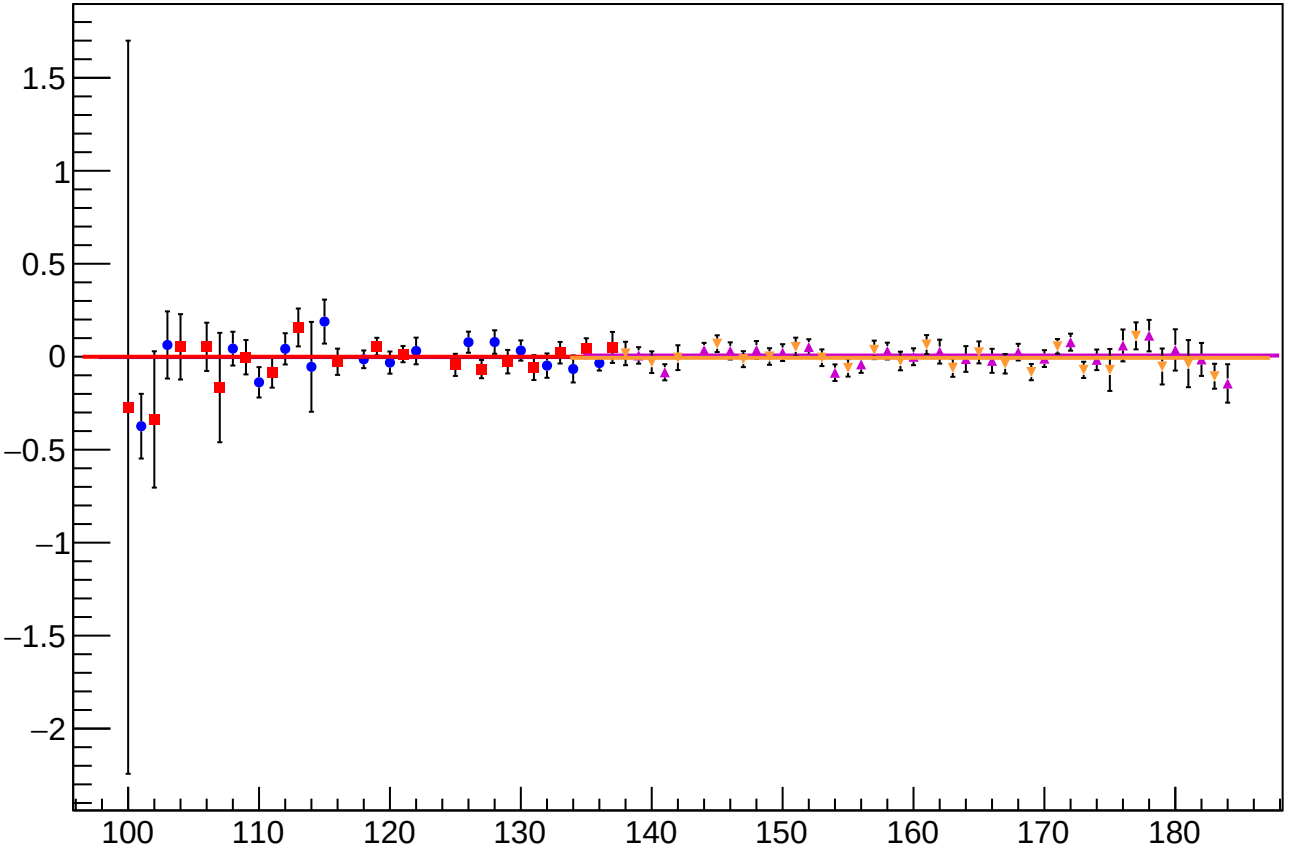
In: 0.000+/-0.000 χ^2/NDF:46.5/38

Out: -0.000+/-0.000 χ^2/NDF:30.4/40

All: -0.000+/-0.000 χ^2/NDF: 77.9/79


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1173880.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:1430937.9/22
Left: 0.000+/-0.000 χ²/NDF: 2612969.4/45
Right: 0.000+/-0.000 χ²/NDF: 3719751.0/33
In: 0.000+/-0.000 χ²/NDF:4516422.0/38
Out: 0.000+/-0.000 χ²/NDF:4128394.5/40
All: 0.000+/-0.000 χ²/NDF: 8647859.1/79

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: 0.006+/-0.011 χ^2/NDF:20.1/22

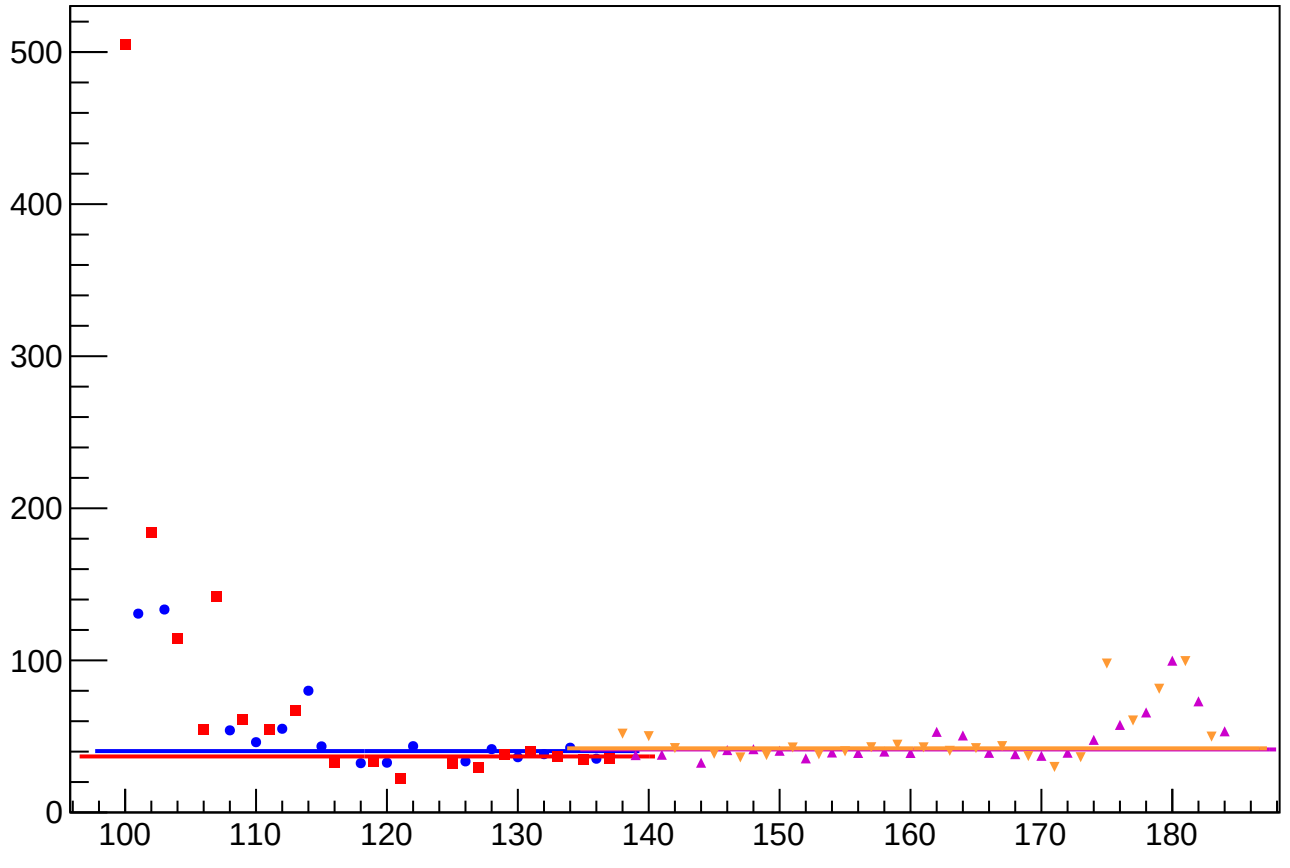
Left: 0.000+/-0.008 χ^2/NDF: 44.4/45

Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:37.3/38

Out: -0.004+/-0.009 χ^2/NDF:34.7/40

All: -0.000+/-0.006 χ^2/NDF: 72.4/79



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: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.782+/-0.005 χ^2/NDF: 3233624.8/45

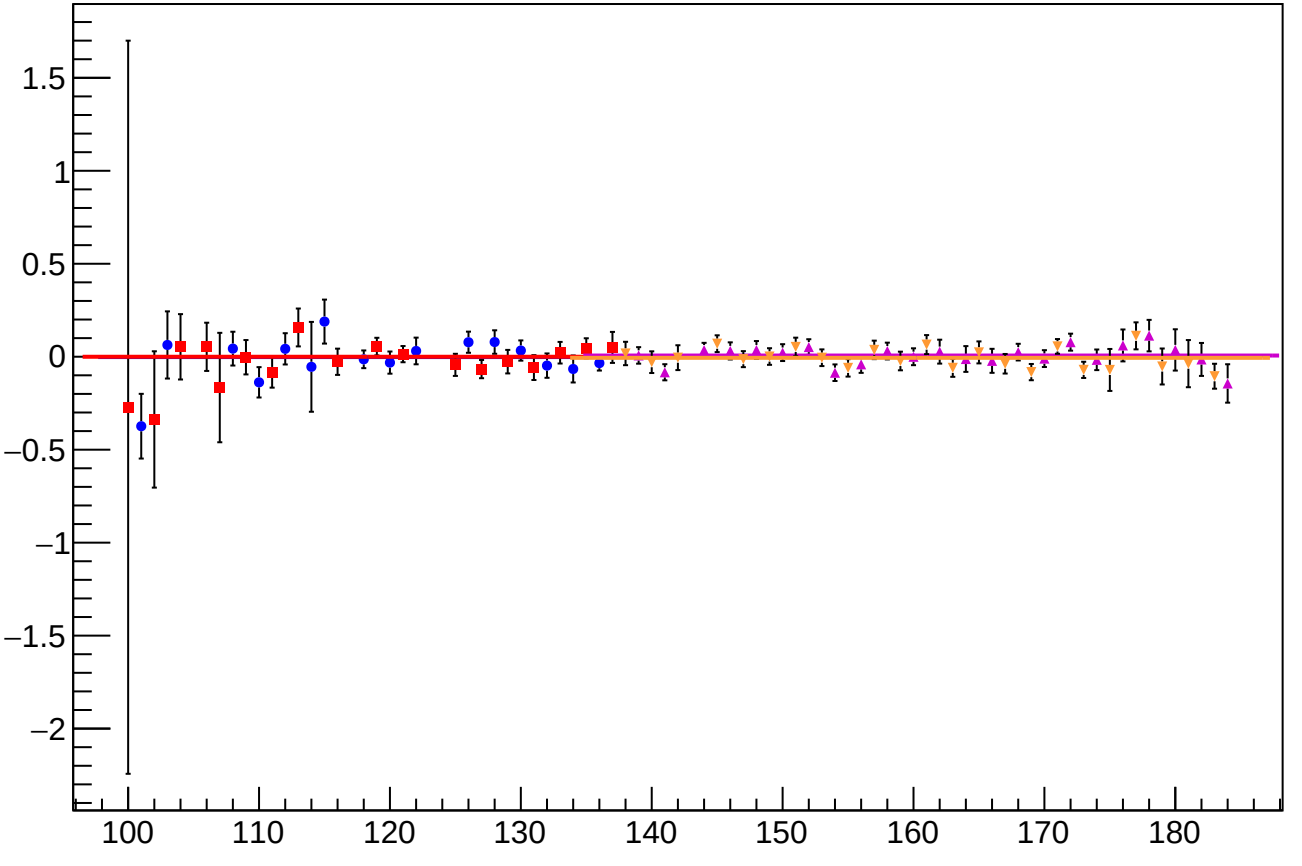
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 41.118+/-0.006 χ^2/NDF:2827929.9/38

Out: 40.542+/-0.006 χ^2/NDF:3796764.1/40

All: 40.833+/-0.005 χ^2/NDF: 6628666.3/79

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: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: 0.000+/-0.008 χ^2/NDF: 44.4/45

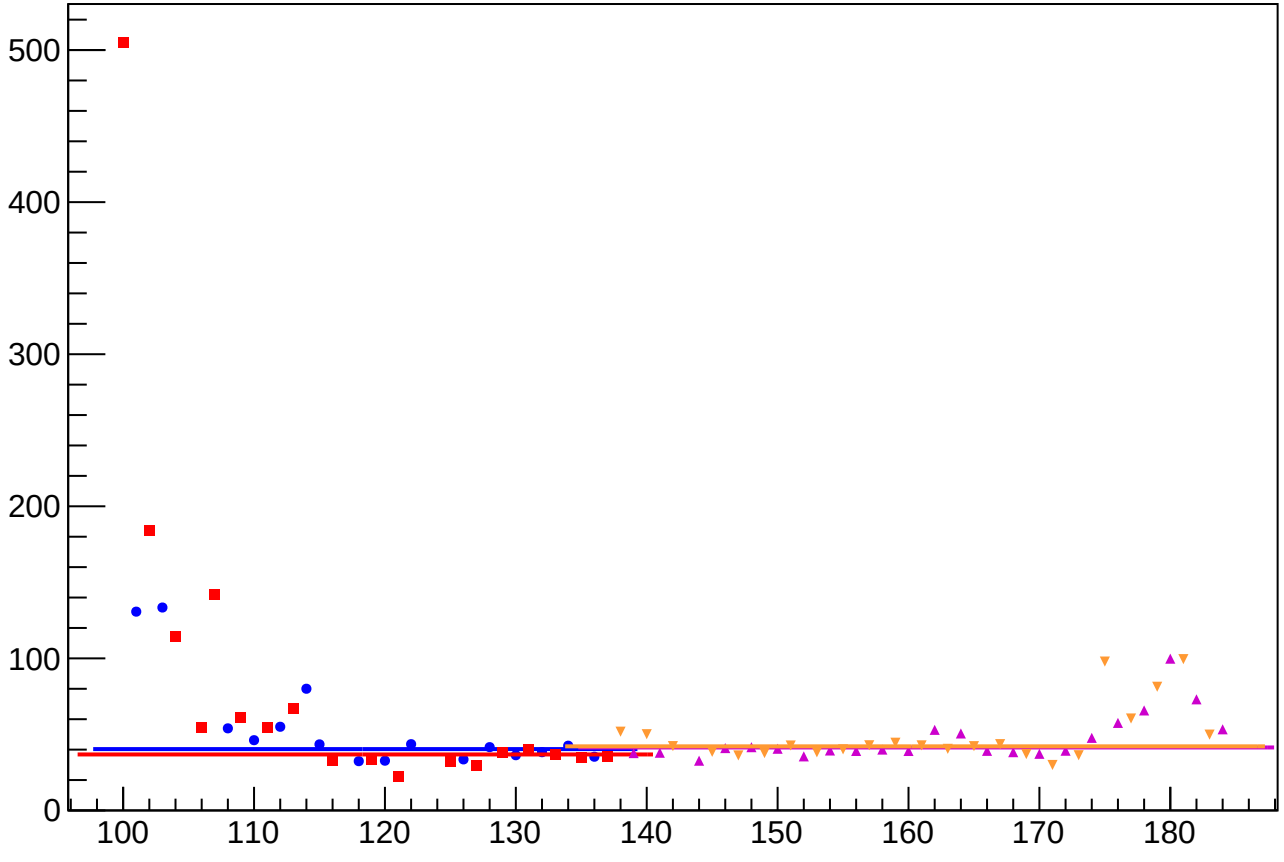
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:37.3/38

Out: -0.004+/-0.009 χ^2/NDF:34.7/40

All: -0.000+/-0.006 χ^2/NDF: 72.4/79

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: 41.421+/-0.008 χ^2/NDF:1412177.5/22

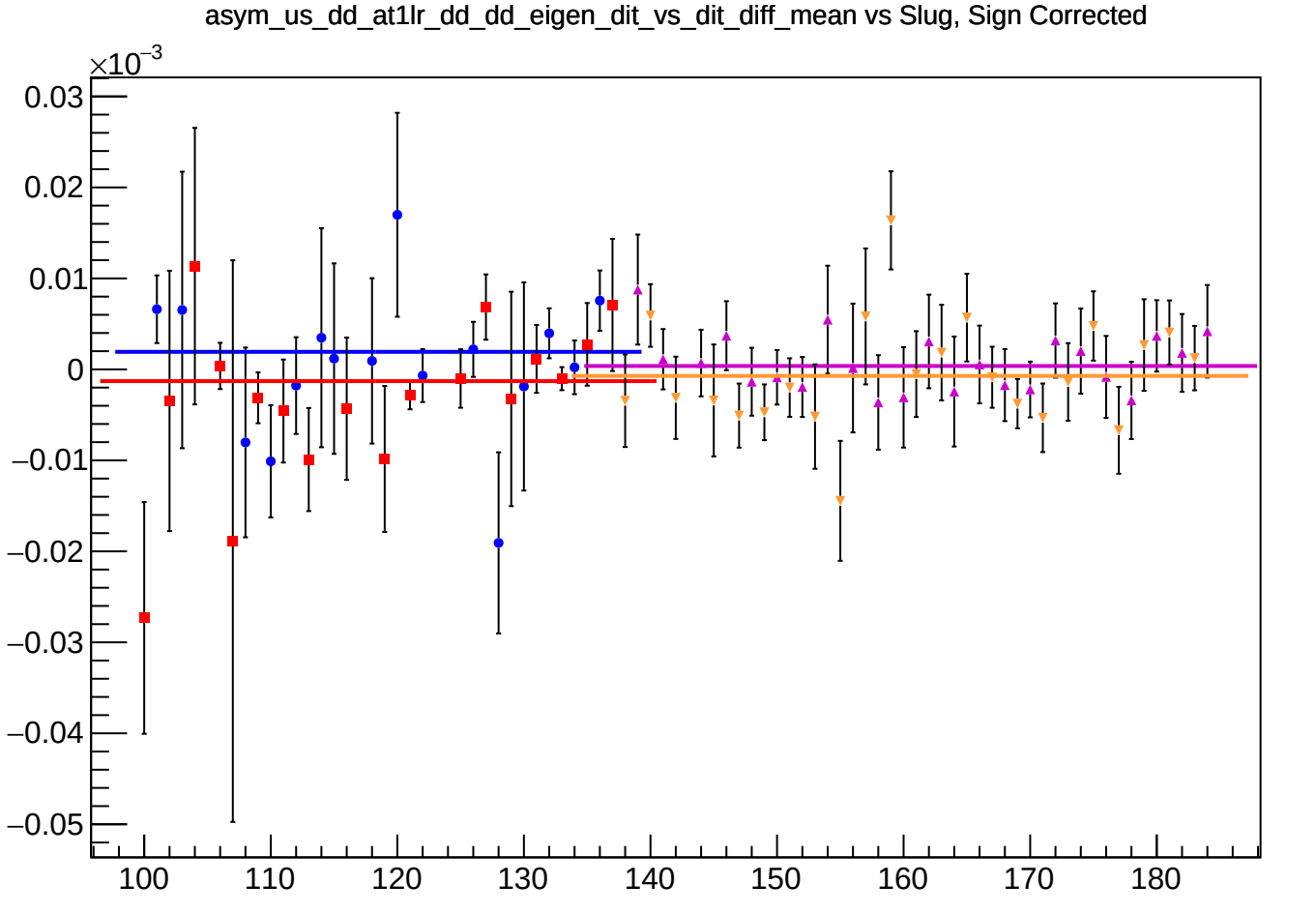
Left: 41.782+/-0.005 χ^2/NDF: 3233624.8/45

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 41.118+/-0.006 χ^2/NDF:2827929.9/38

Out: 40.542+/-0.006 χ^2/NDF:3796764.1/40

All: 40.833+/-0.005 χ^2/NDF: 6628666.3/79



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.7/22

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

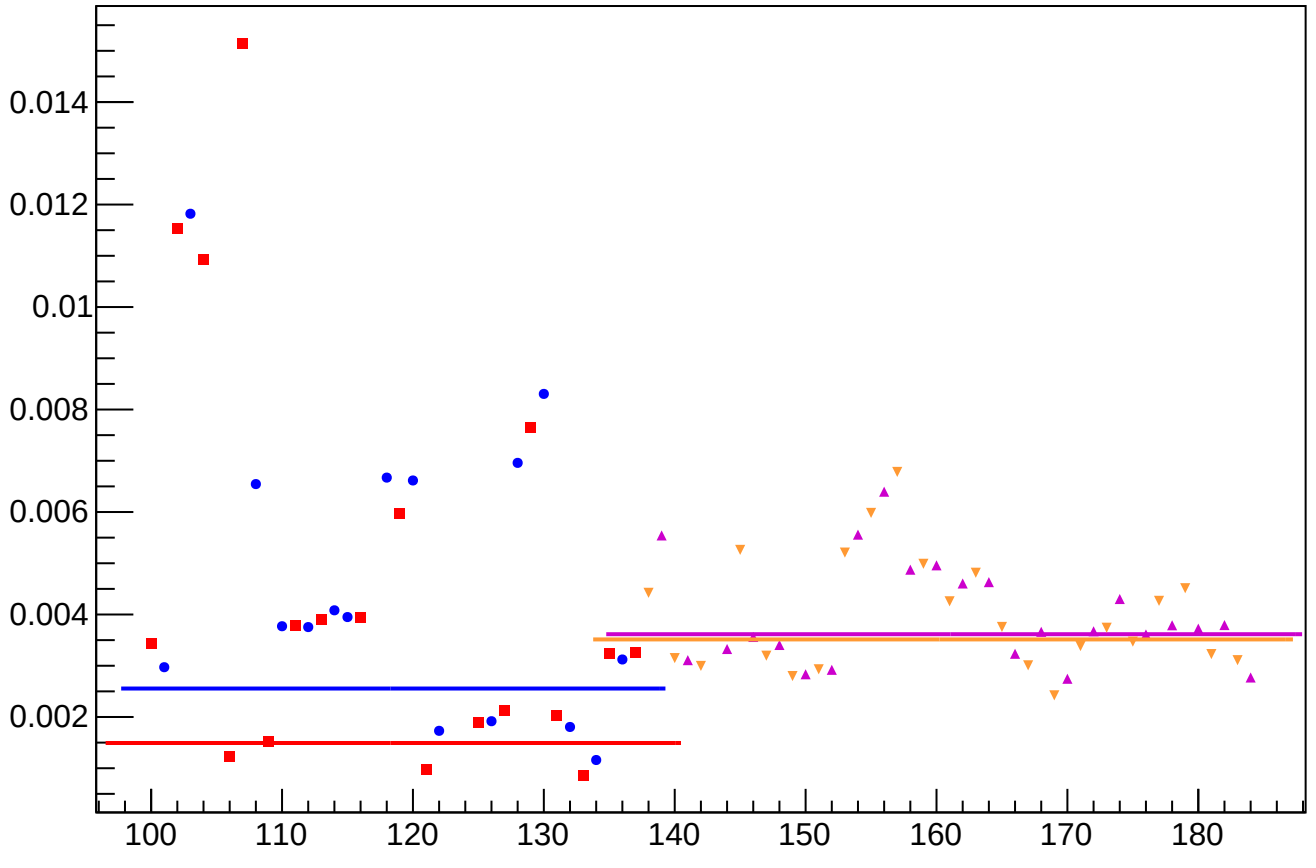
Left: -0.000+/-0.000 χ^2/NDF: 45.1/45

Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:28.7/38

Out: -0.000+/-0.000 χ^2/NDF:53.8/40

All: -0.000+/-0.000 χ^2/NDF: 87.5/79



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:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3858373.0/45

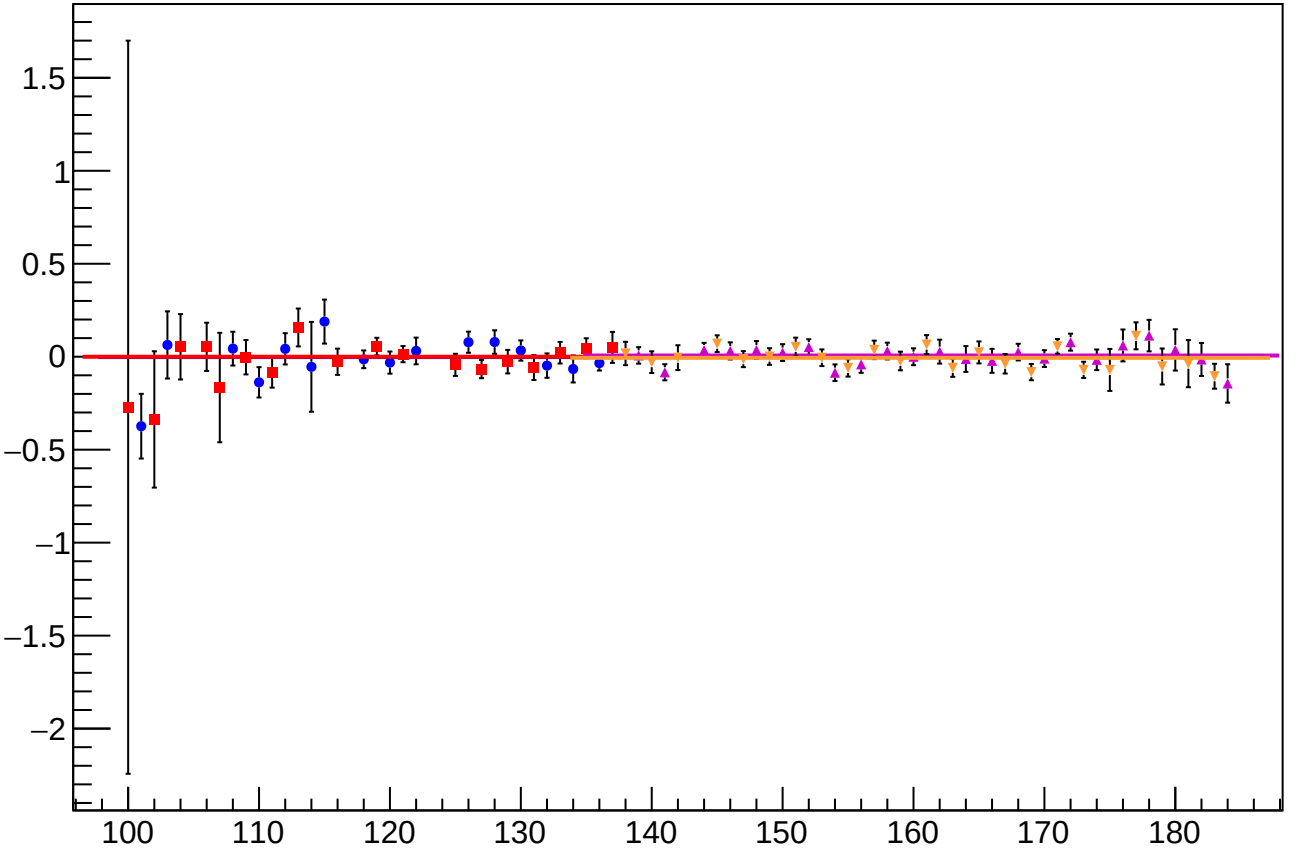
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6540544.5/38

Out: 0.002+/-0.000 χ^2/NDF:14059624.6/40

All: 0.003+/-0.000 χ^2/NDF: 22404557.7/79

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: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: 0.000+/-0.008 χ^2/NDF: 44.4/45

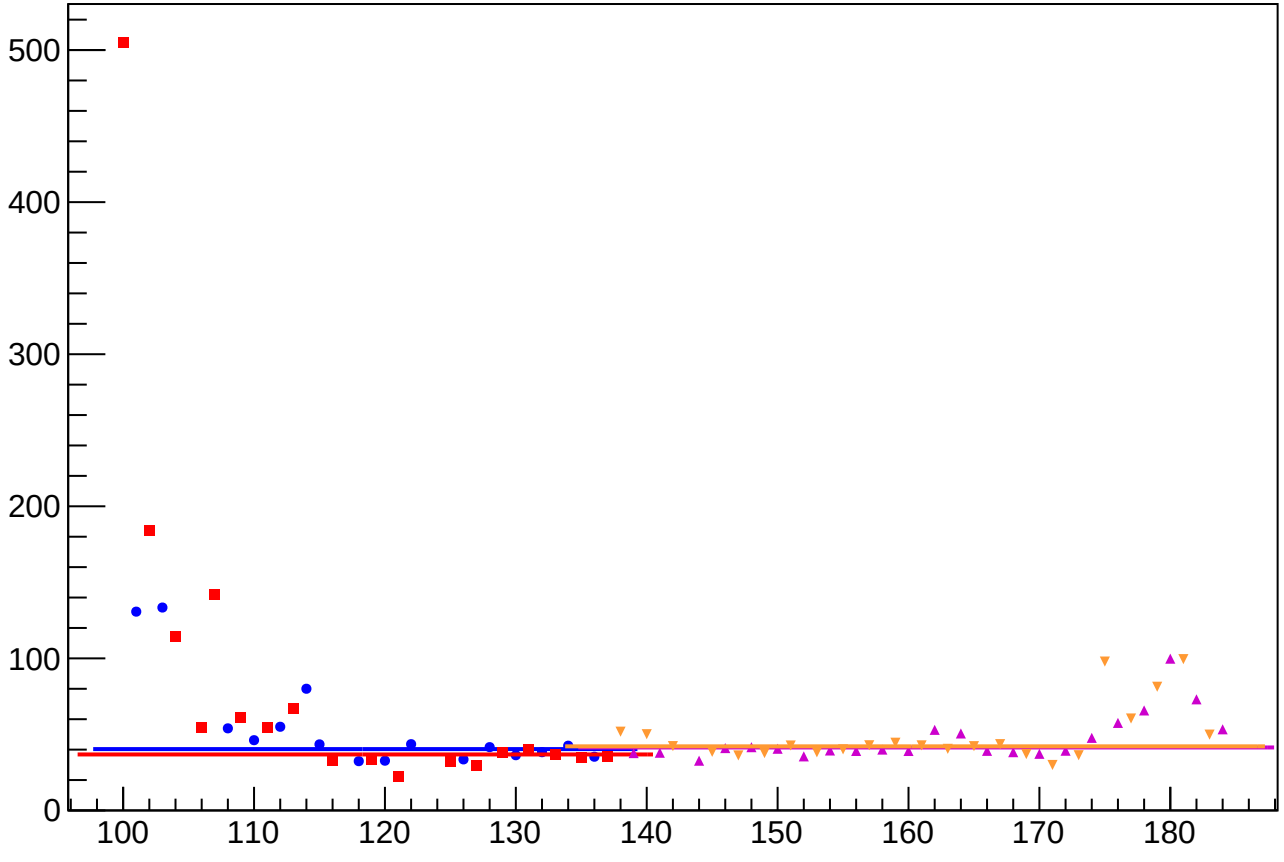
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:37.3/38

Out: -0.004+/-0.009 χ^2/NDF:34.7/40

All: -0.000+/-0.006 χ^2/NDF: 72.4/79

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: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.782+/-0.005 χ^2/NDF: 3233566.4/45

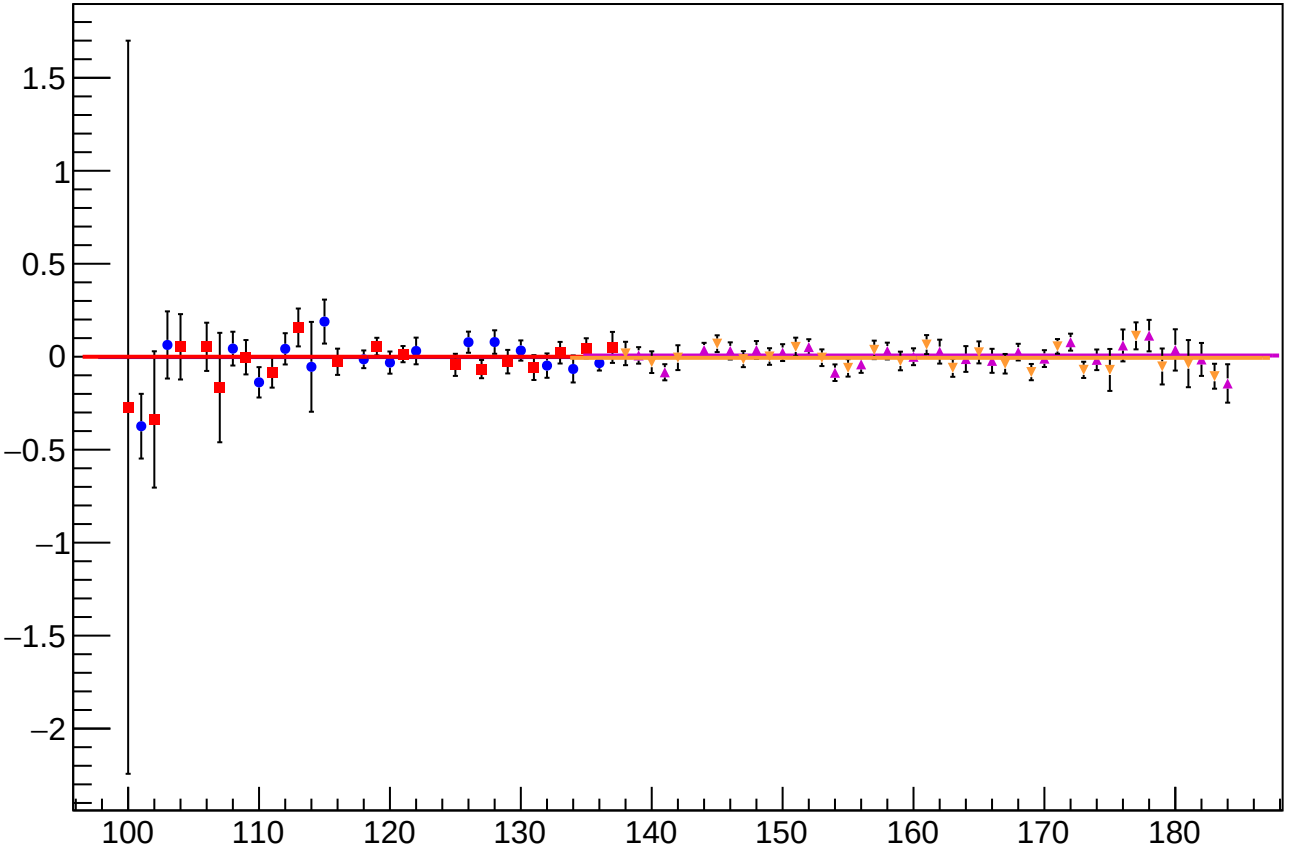
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 41.118+/-0.006 χ^2/NDF:2827756.2/38

Out: 40.541+/-0.006 χ^2/NDF:3796803.5/40

All: 40.832+/-0.005 χ^2/NDF: 6628539.7/79

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: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: 0.000+/-0.008 χ^2/NDF: 44.4/45

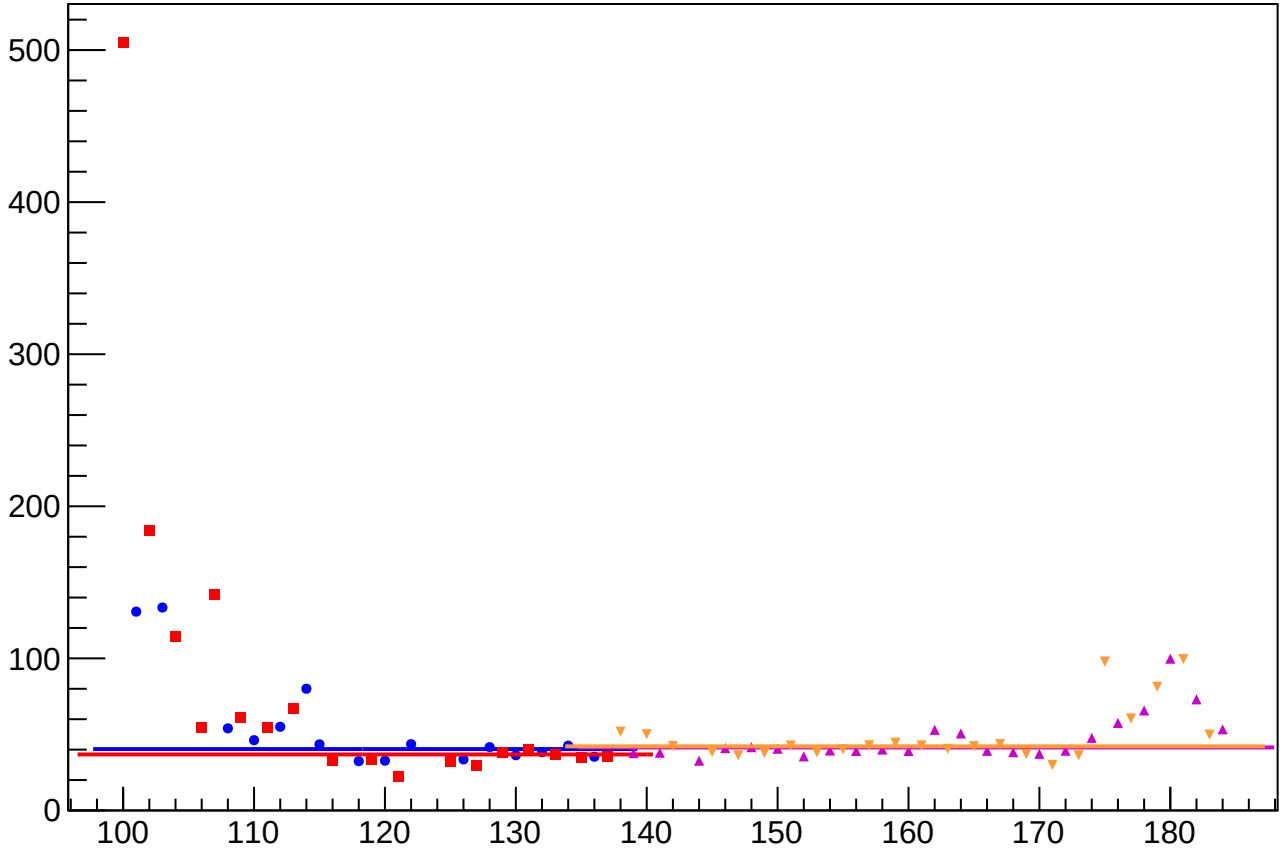
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:37.3/38

Out: -0.004+/-0.009 χ^2/NDF:34.7/40

All: -0.000+/-0.006 χ^2/NDF: 72.4/79

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: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.782+/-0.005 χ^2/NDF: 3233566.4/45

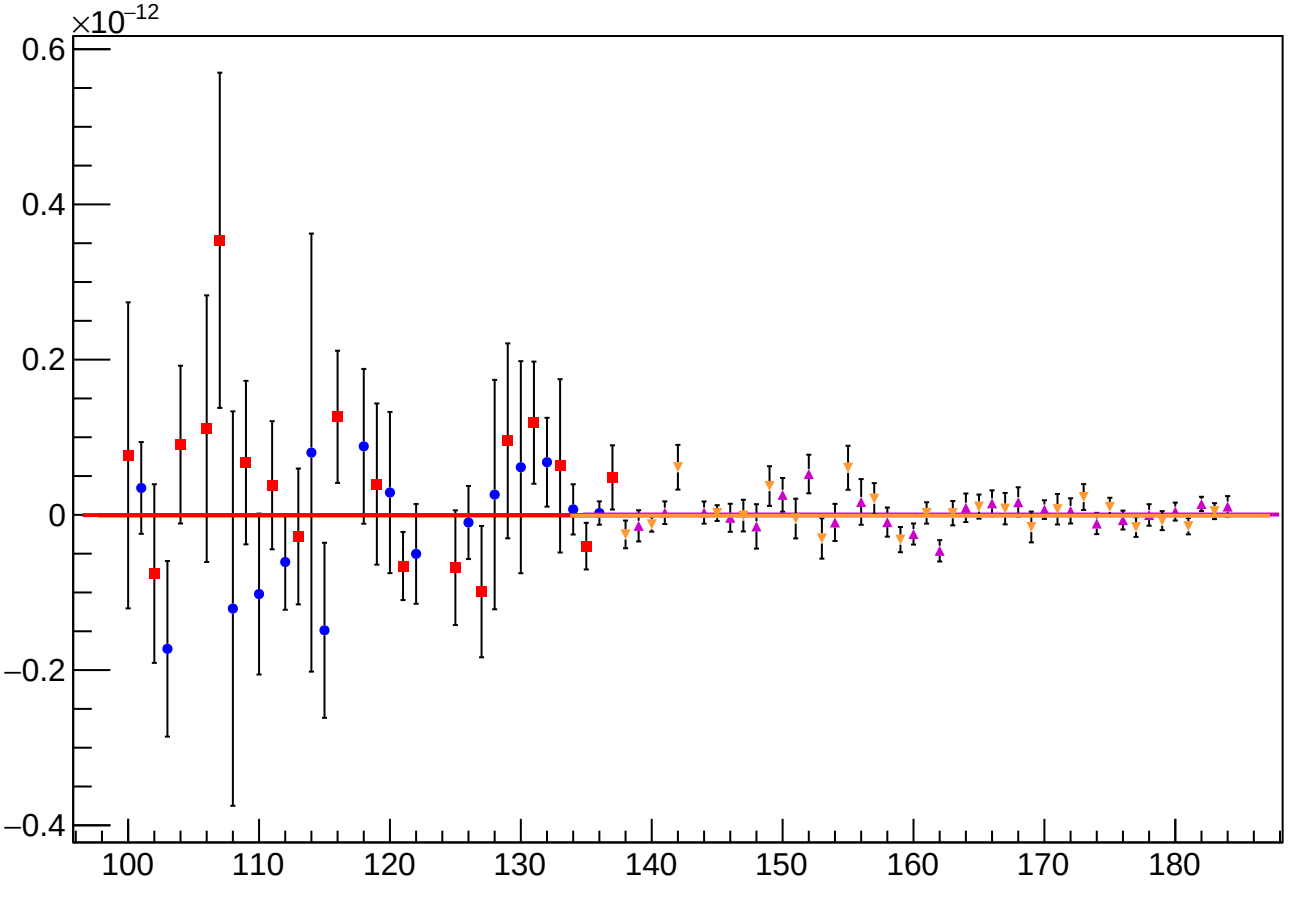
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 41.118+/-0.006 χ^2/NDF:2827756.2/38

Out: 40.541+/-0.006 χ^2/NDF:3796803.5/40

All: 40.832+/-0.005 χ^2/NDF: 6628539.7/79

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.3/22

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

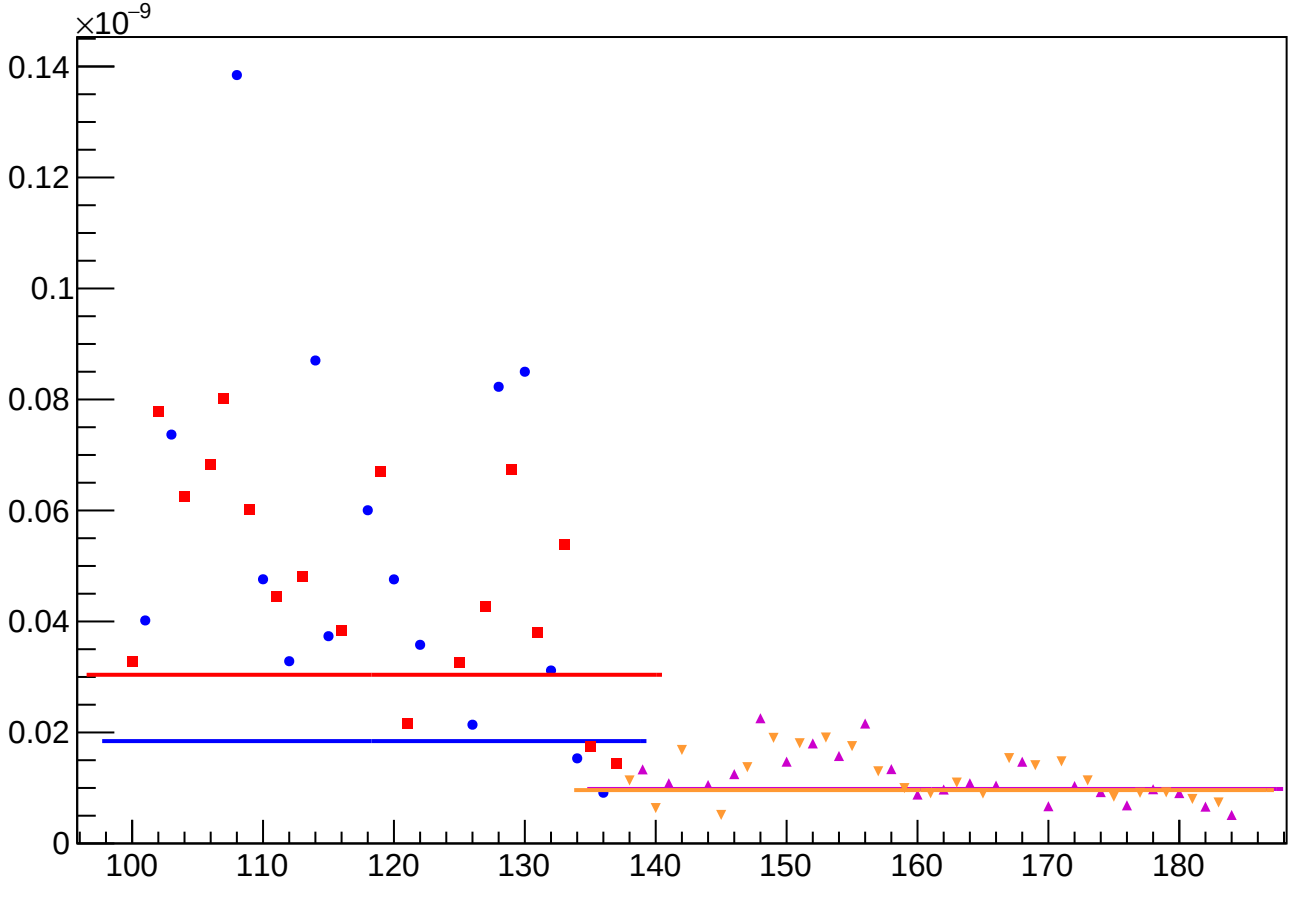
Left: -0.000+/-0.000 χ^2/NDF: 57.7/45

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: 0.000+/-0.000 χ^2/NDF:38.2/38

Out: -0.000+/-0.000 χ^2/NDF:47.6/40

All: -0.000+/-0.000 χ^2/NDF: 86.0/79



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:2250638.6/22

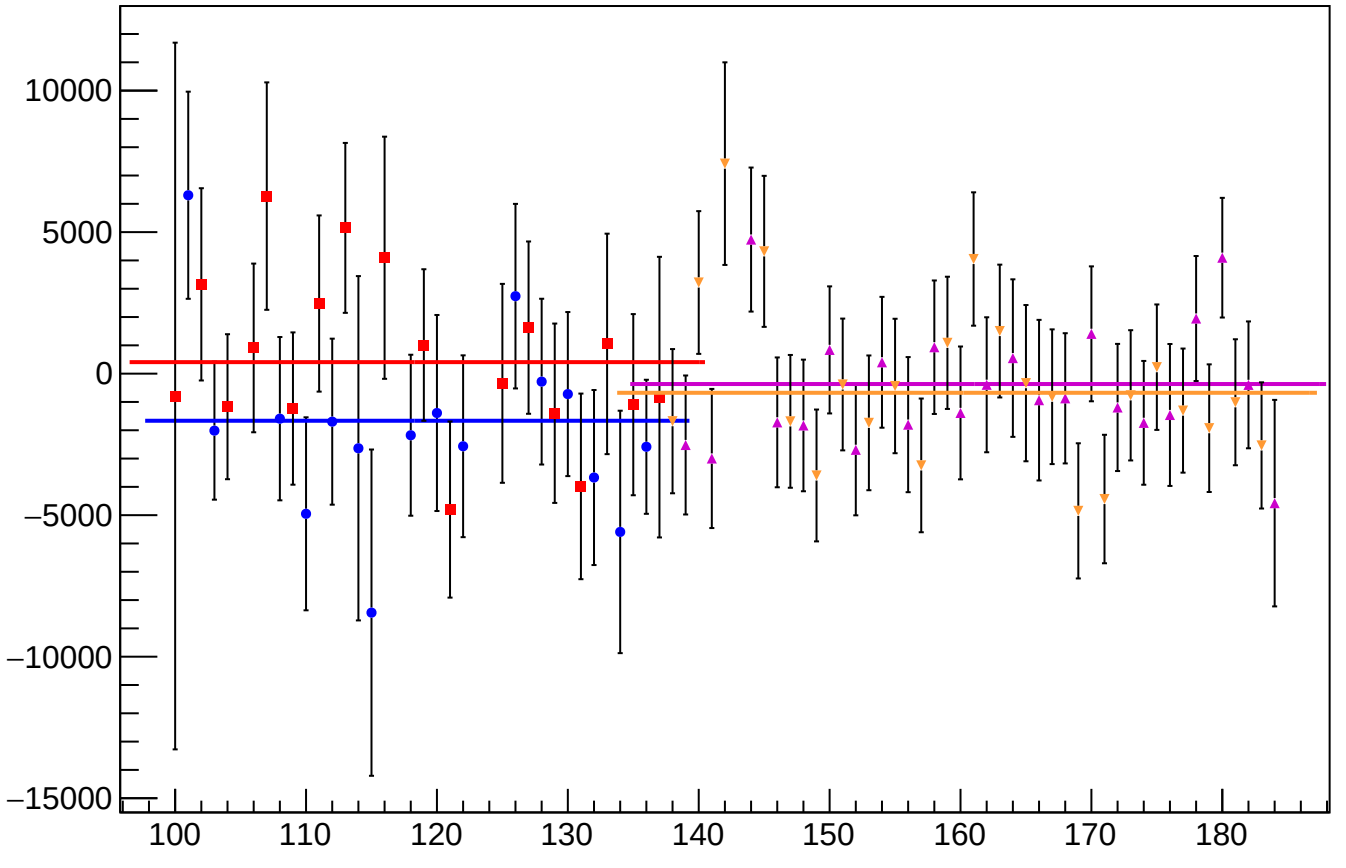
Left: 0.000+/-0.000 χ^2/NDF: 4685382.5/45

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:7308918.8/38

Out: 0.000+/-0.000 χ^2/NDF:7893802.4/40

All: 0.000+/-0.000 χ^2/NDF: 15203671.6/79



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -676.173+/-497.749 χ^2/NDF:26.9/22

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

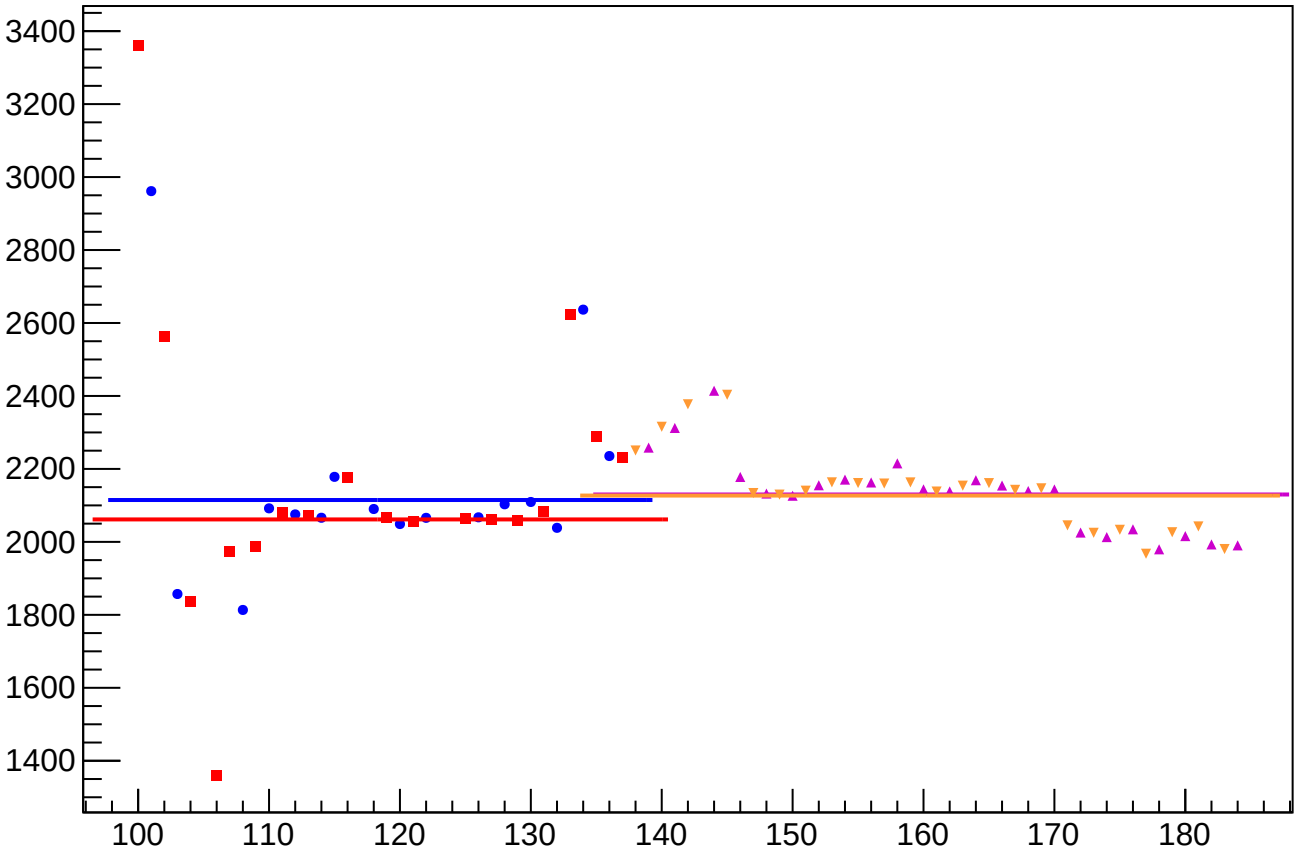
Left: -521.512+/-352.014 χ^2/NDF: 44.4/45

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -734.195+/-421.546 χ^2/NDF:30.0/38

Out: -361.140+/-419.150 χ^2/NDF:41.0/40

All: -546.604+/-297.227 χ^2/NDF: 71.4/79



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: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2128.436+/-0.249 χ^2/NDF: 171373.1/45

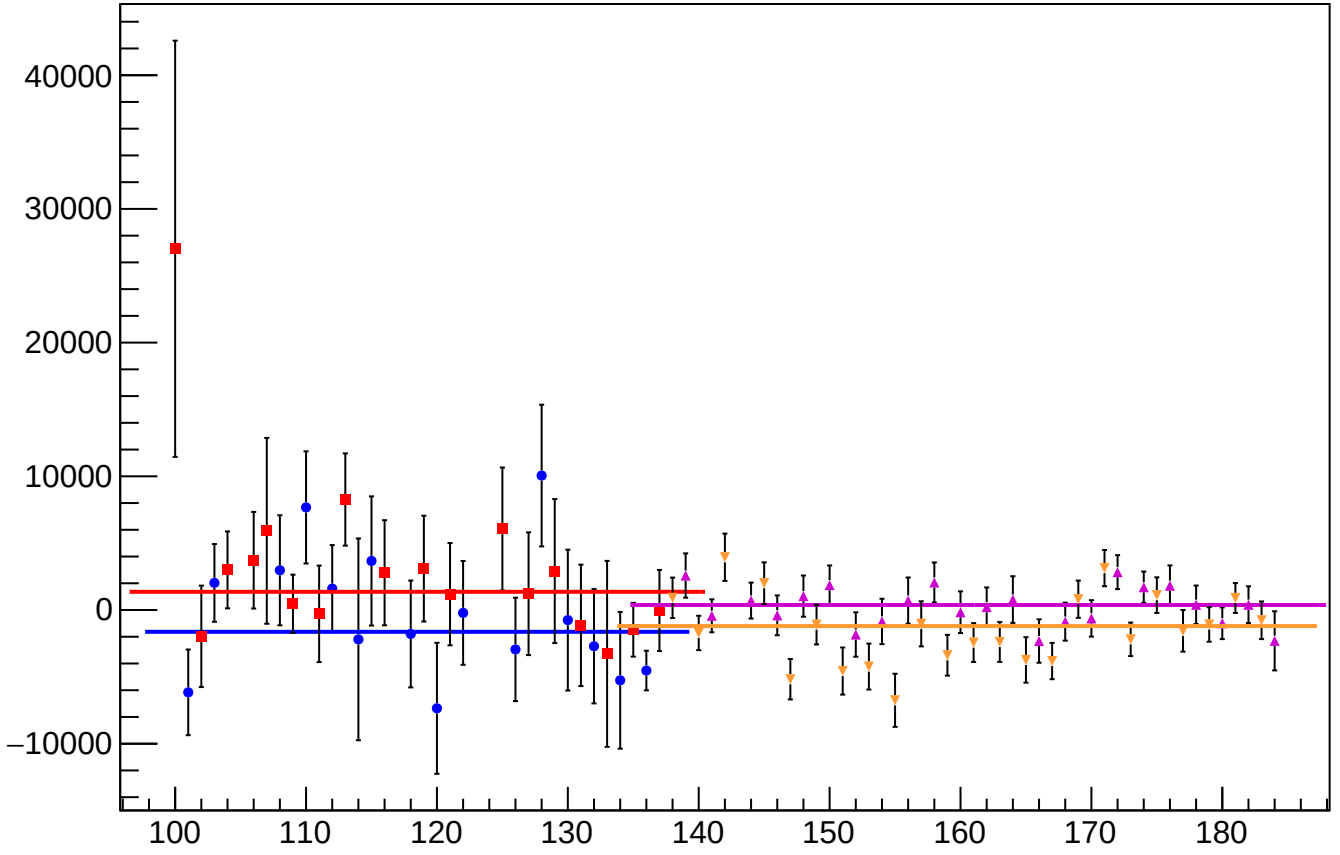
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2125.609+/-0.298 χ^2/NDF:275798.8/38

Out: 2107.948+/-0.296 χ^2/NDF:345219.6/40

All: 2116.728+/-0.210 χ^2/NDF: 622783.7/79

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1201.069+/-304.899 χ^2/NDF:65.3/22

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -415.119+/-215.765 χ^2/NDF: 99.0/45

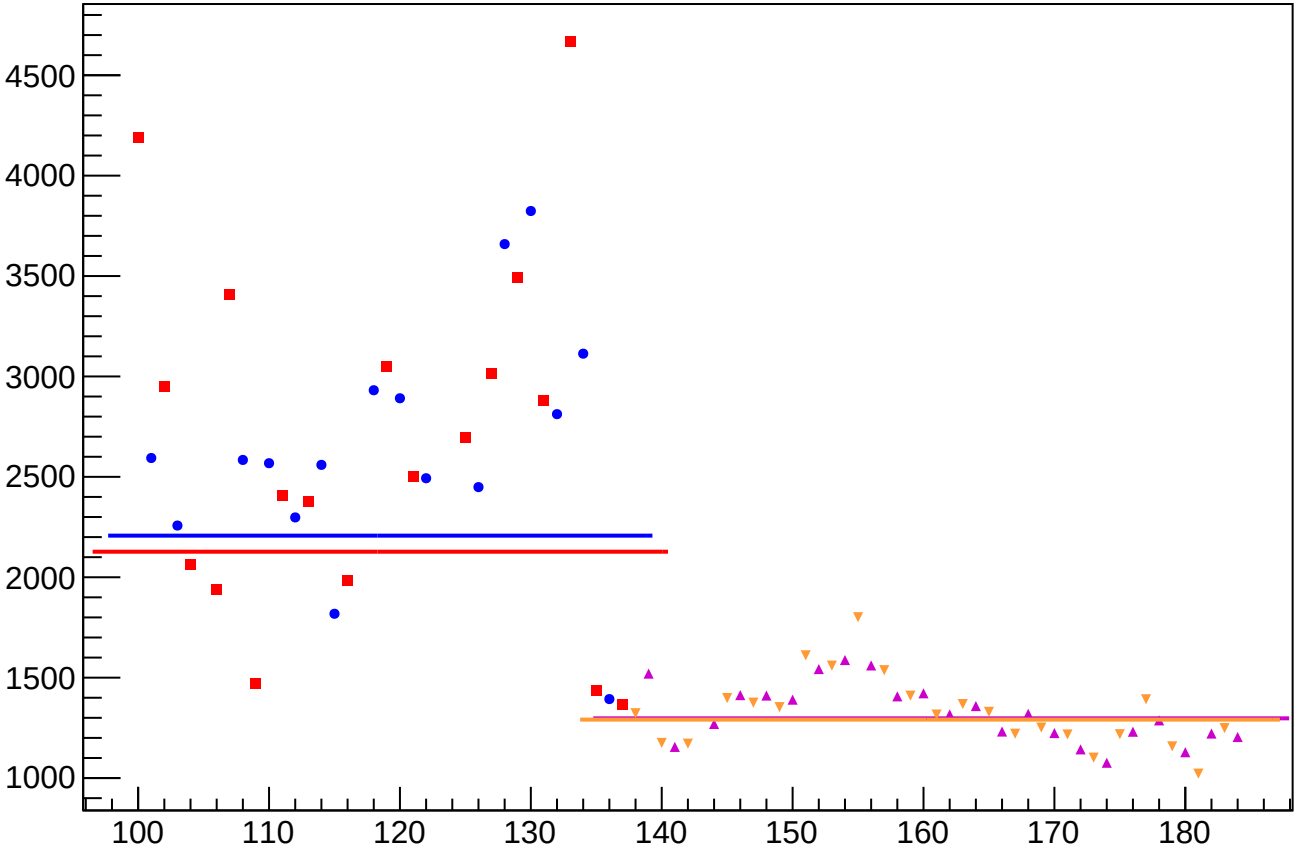
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 150.053+/-287.864 χ^2/NDF:48.0/38

Out: -902.974+/-286.619 χ^2/NDF:87.0/40

All: -378.741+/-203.109 χ^2/NDF: 141.7/79

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: 1297.454+/-0.216 χ^2/NDF:433995.4/22

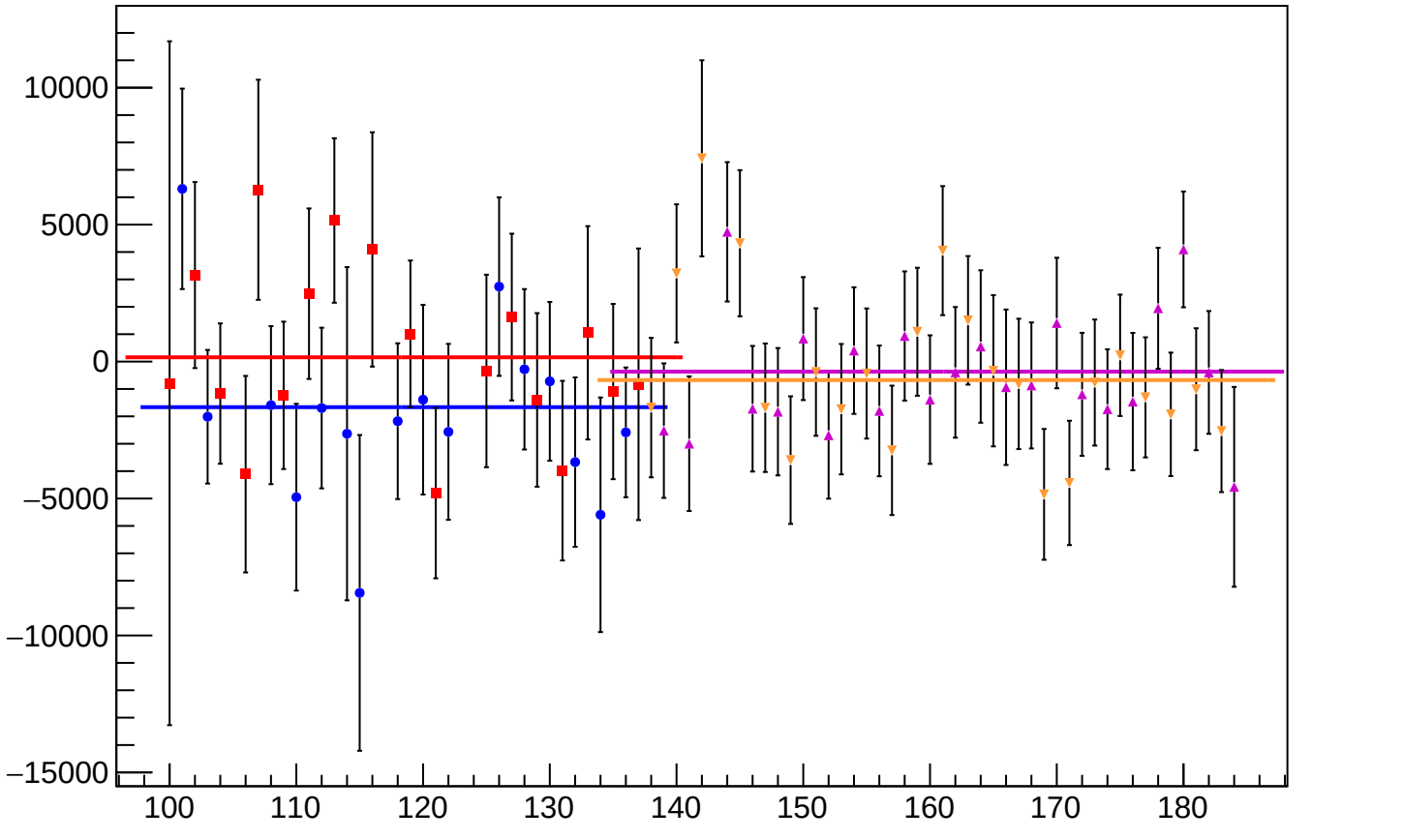
Left: 1294.253+/-0.153 χ^2/NDF: 1000930.7/45

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1398.819+/-0.204 χ^2/NDF:3661079.5/38

Out: 1388.316+/-0.203 χ^2/NDF:3774071.7/40

All: 1393.545+/-0.144 χ^2/NDF: 7436488.1/79



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: -366.649+/-497.896 χ^2/NDF:17.3/22

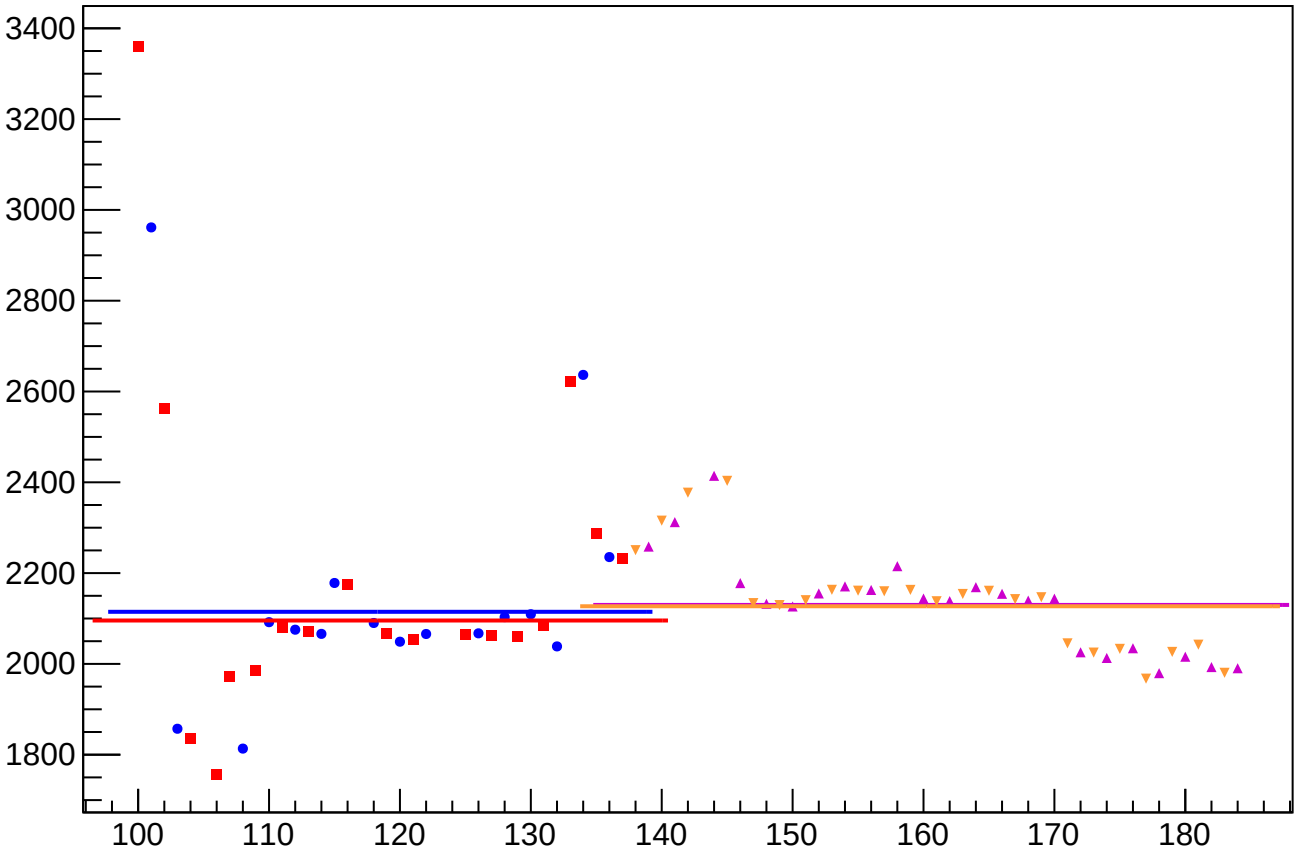
Left: -521.396+/-352.014 χ^2/NDF: 44.4/45

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -734.095+/-421.546 χ^2/NDF:30.0/38

Out: -437.726+/-420.441 χ^2/NDF:41.9/40

All: -585.522+/-297.686 χ^2/NDF: 72.1/79



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: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2128.437+/-0.249 χ^2/NDF: 171373.0/45

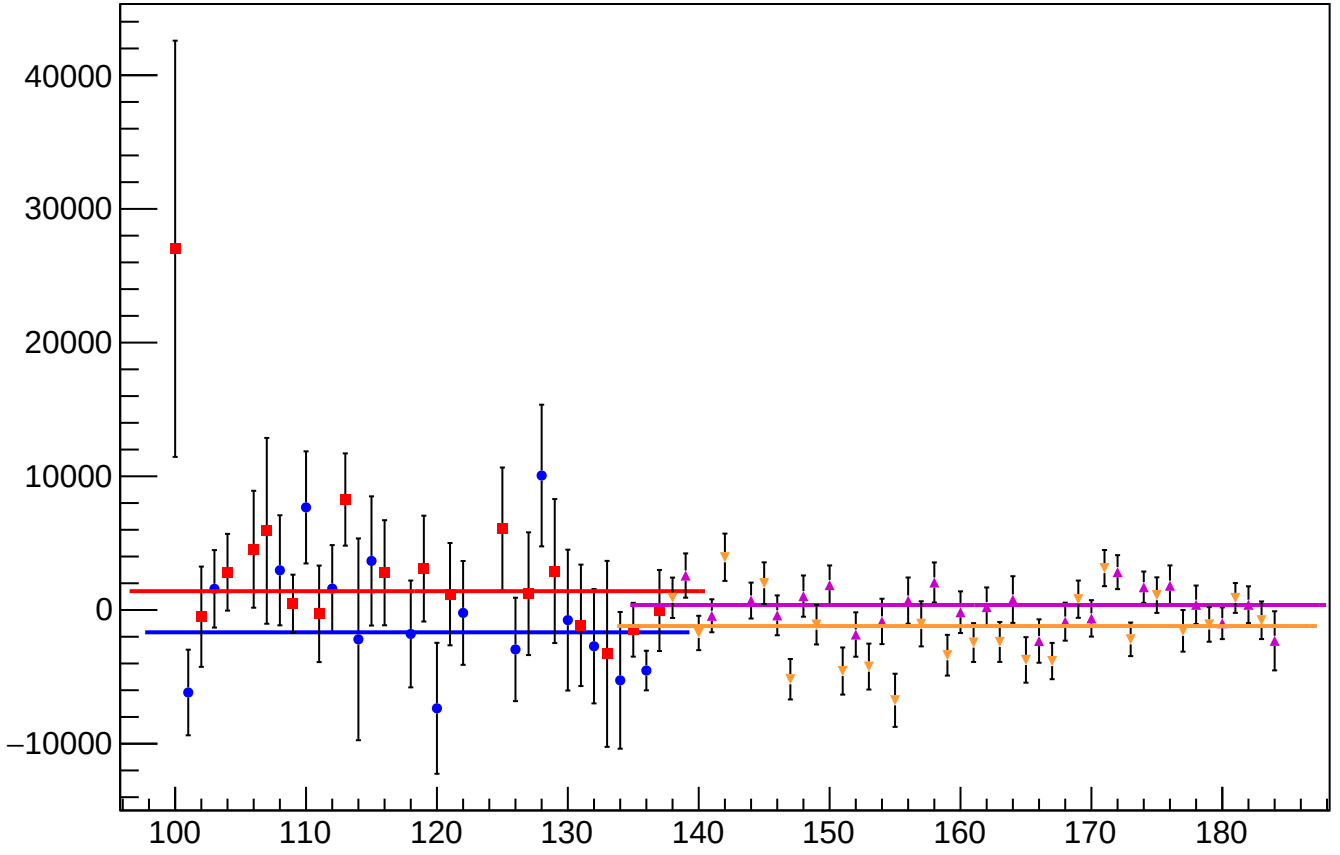
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2125.609+/-0.298 χ^2/NDF:275799.1/38

Out: 2117.986+/-0.297 χ^2/NDF:237622.2/40

All: 2121.788+/-0.210 χ^2/NDF: 513749.2/79

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: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -415.159+/-215.766 χ^2/NDF: 99.0/45

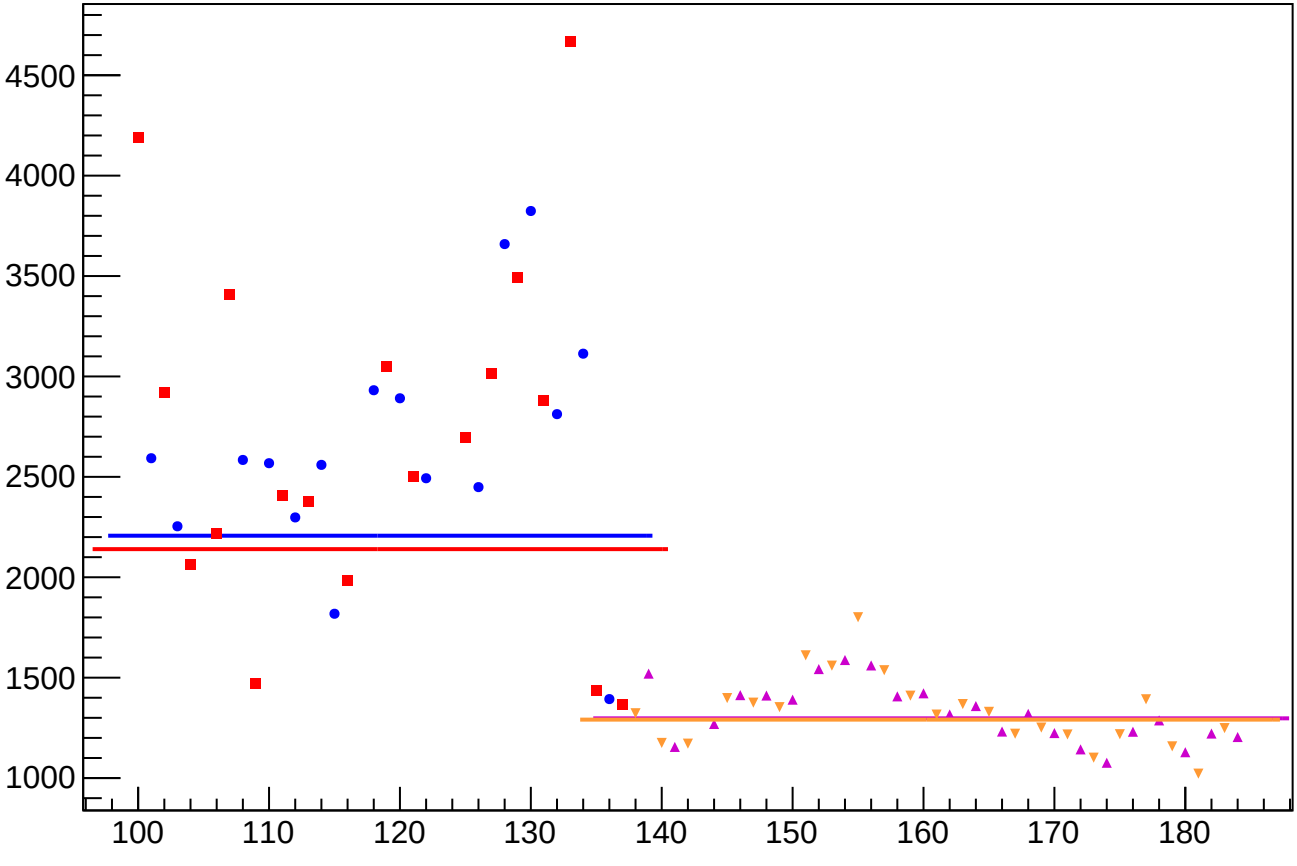
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 145.578+/-287.854 χ^2/NDF:47.8/38

Out: -901.783+/-286.882 χ^2/NDF:86.7/40

All: -379.872+/-203.199 χ^2/NDF: 141.2/79

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: 1297.458+/-0.216 χ^2/NDF:434006.2/22

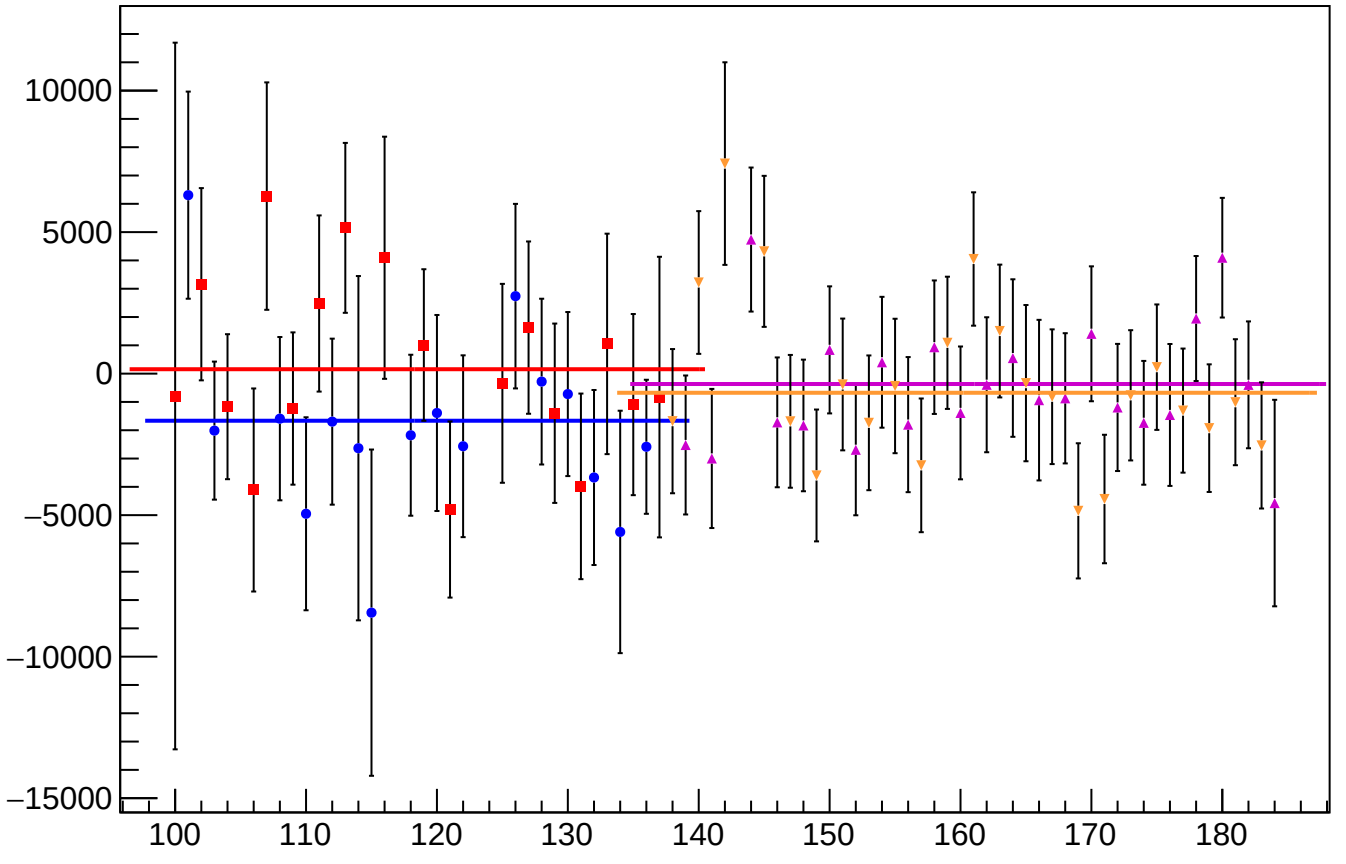
Left: 1294.260+/-0.153 χ^2/NDF: 1000872.8/45

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1398.846+/-0.204 χ^2/NDF:3660558.7/38

Out: 1388.453+/-0.203 χ^2/NDF:3793422.0/40

All: 1393.632+/-0.144 χ^2/NDF: 7455288.5/79



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: -366.649+/-497.896 χ^2/NDF:17.3/22

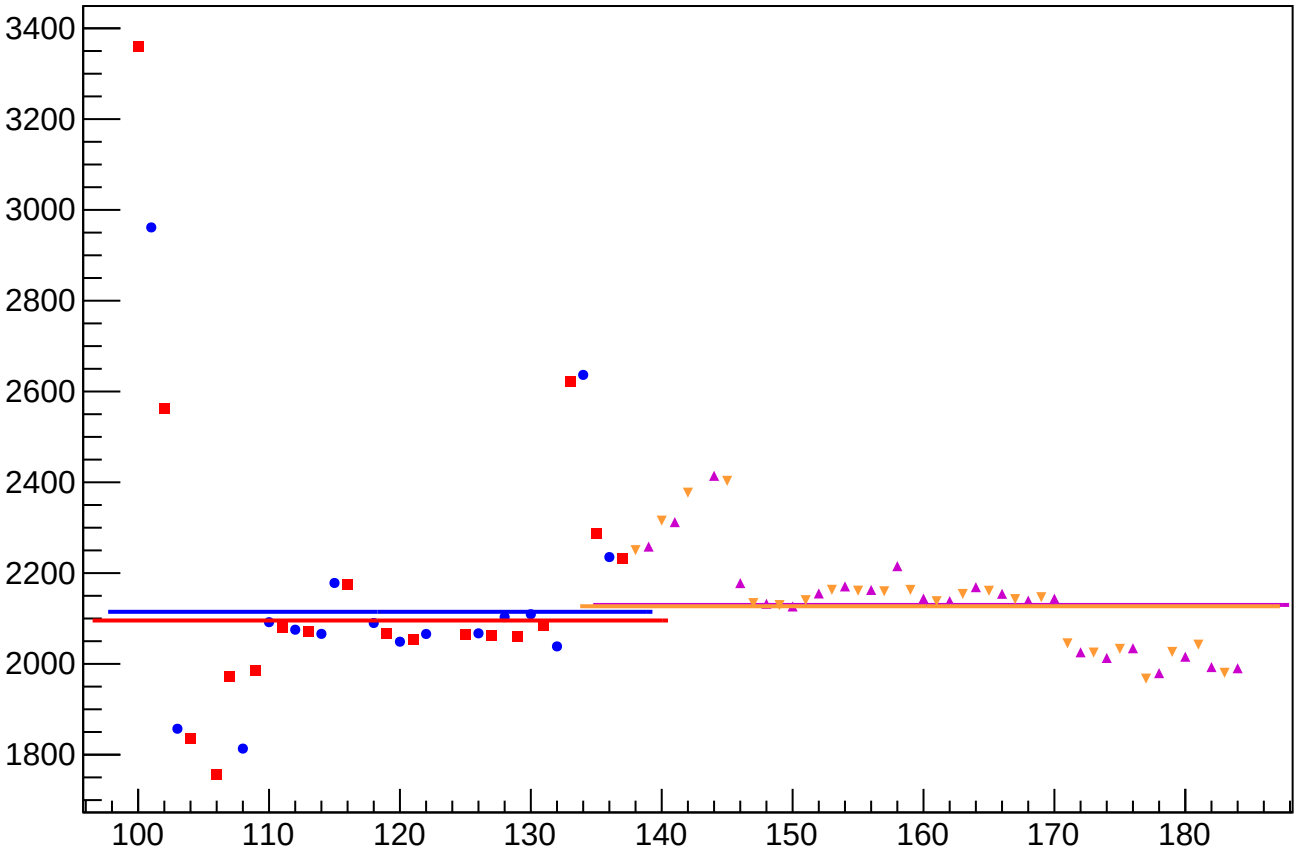
Left: -521.396+/-352.014 χ^2/NDF: 44.4/45

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

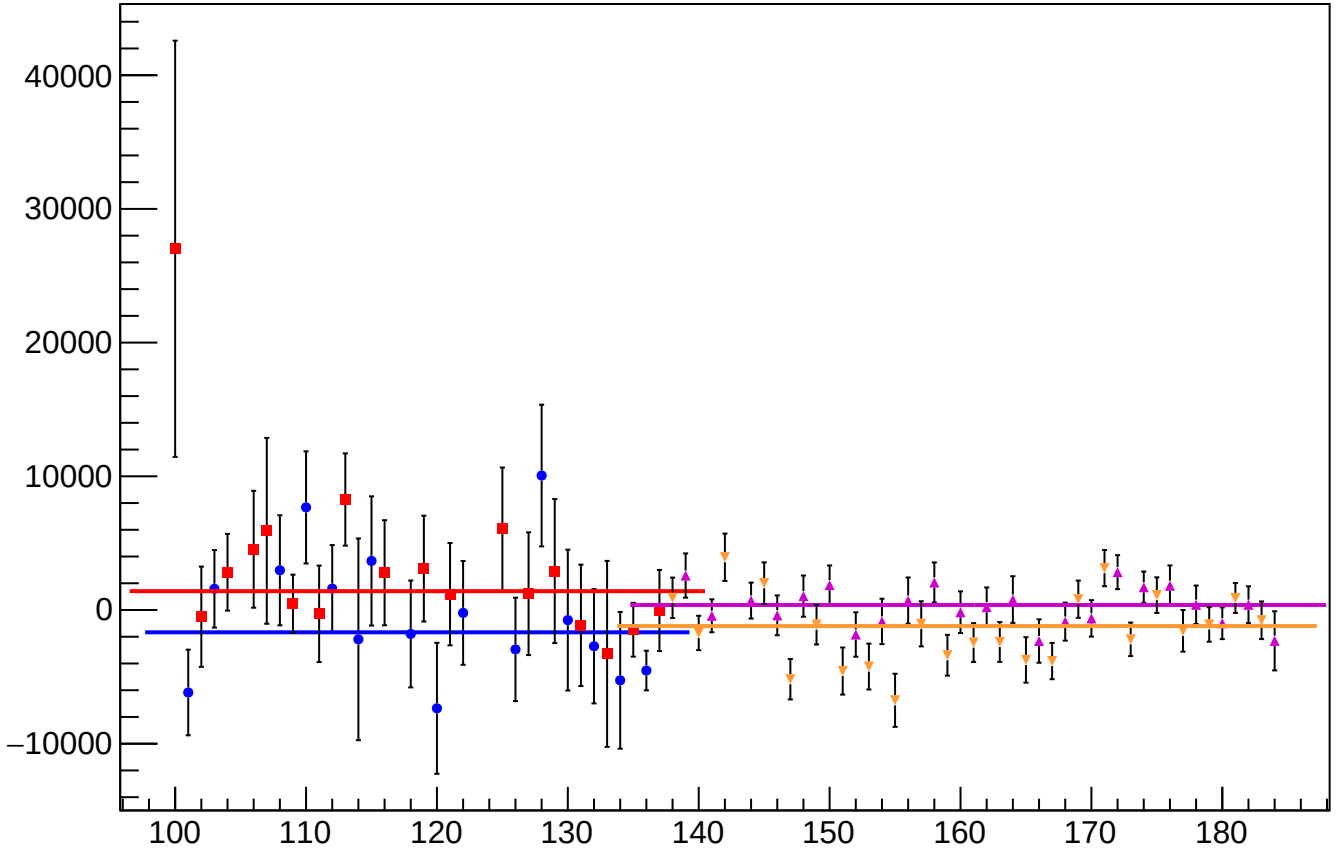
In: -734.095+/-421.546 χ^2/NDF:30.0/38

Out: -437.726+/-420.441 χ^2/NDF:41.9/40

All: -585.522+/-297.686 χ^2/NDF: 72.1/79


eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
110
120
130
140
150
160
170
180
Right In: 2114.755+/-0.560 χ²/NDF: 189920.9/15
Left Out: 2126.977+/-0.352 χ²/NDF:85984.2/22
Right Out: 2095.597+/-0.555 χ²/NDF: 149360.5/17
Left In: 2129.897+/-0.352 χ²/NDF:85354.4/22
Left: 2128.437+/-0.249 χ²/NDF: 171373.0/45
Right: 2105.095+/-0.394 χ²/NDF: 339871.2/33
In: 2125.609+/-0.298 χ²/NDF:275799.1/38
Out: 2117.986+/-0.297 χ²/NDF:237622.2/40
All: 2121.788+/-0.210 χ²/NDF: 513749.2/79

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: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -415.159+/-215.766 χ^2/NDF: 99.0/45

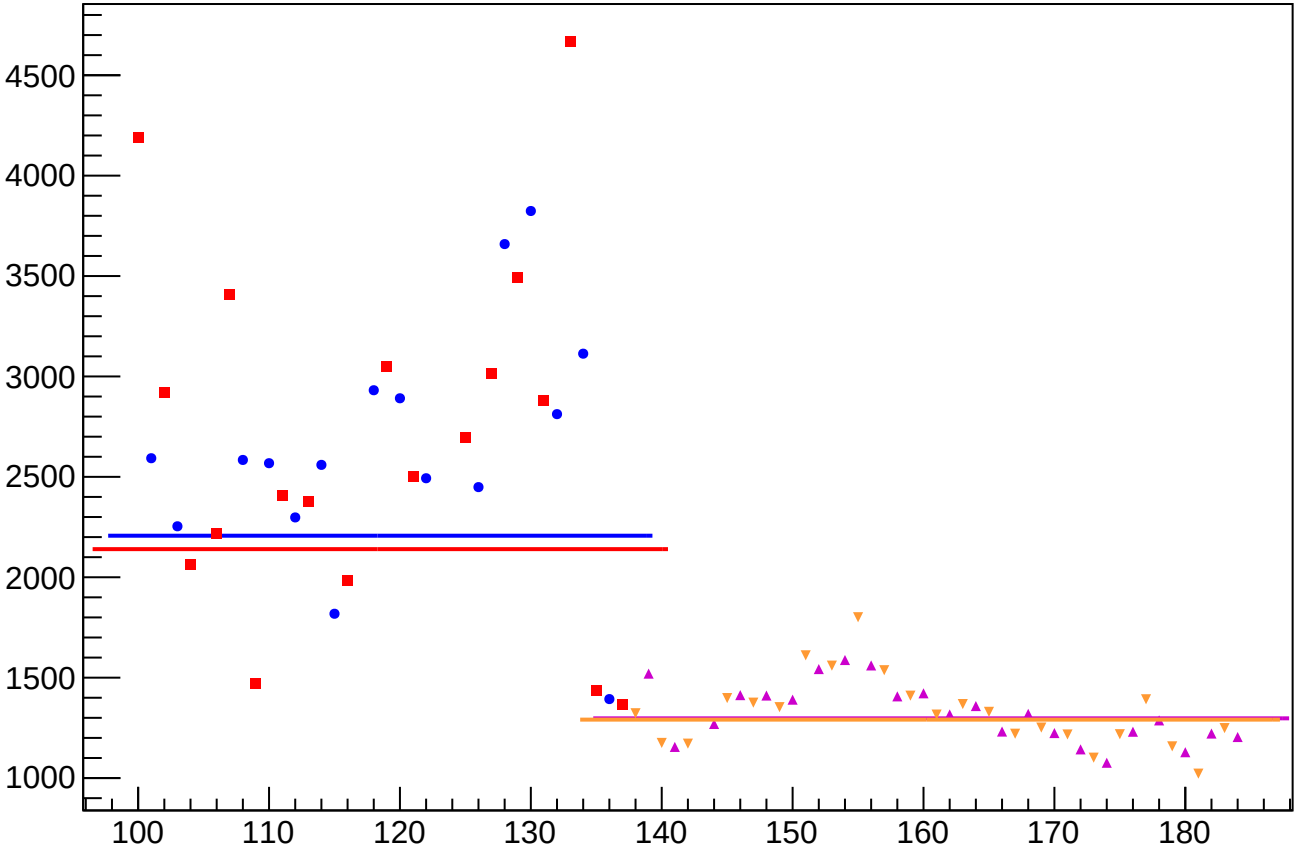
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 145.578+/-287.854 χ^2/NDF:47.8/38

Out: -901.783+/-286.882 χ^2/NDF:86.7/40

All: -379.872+/-203.199 χ^2/NDF: 141.2/79

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: 1297.458+/-0.216 χ^2/NDF:434006.2/22

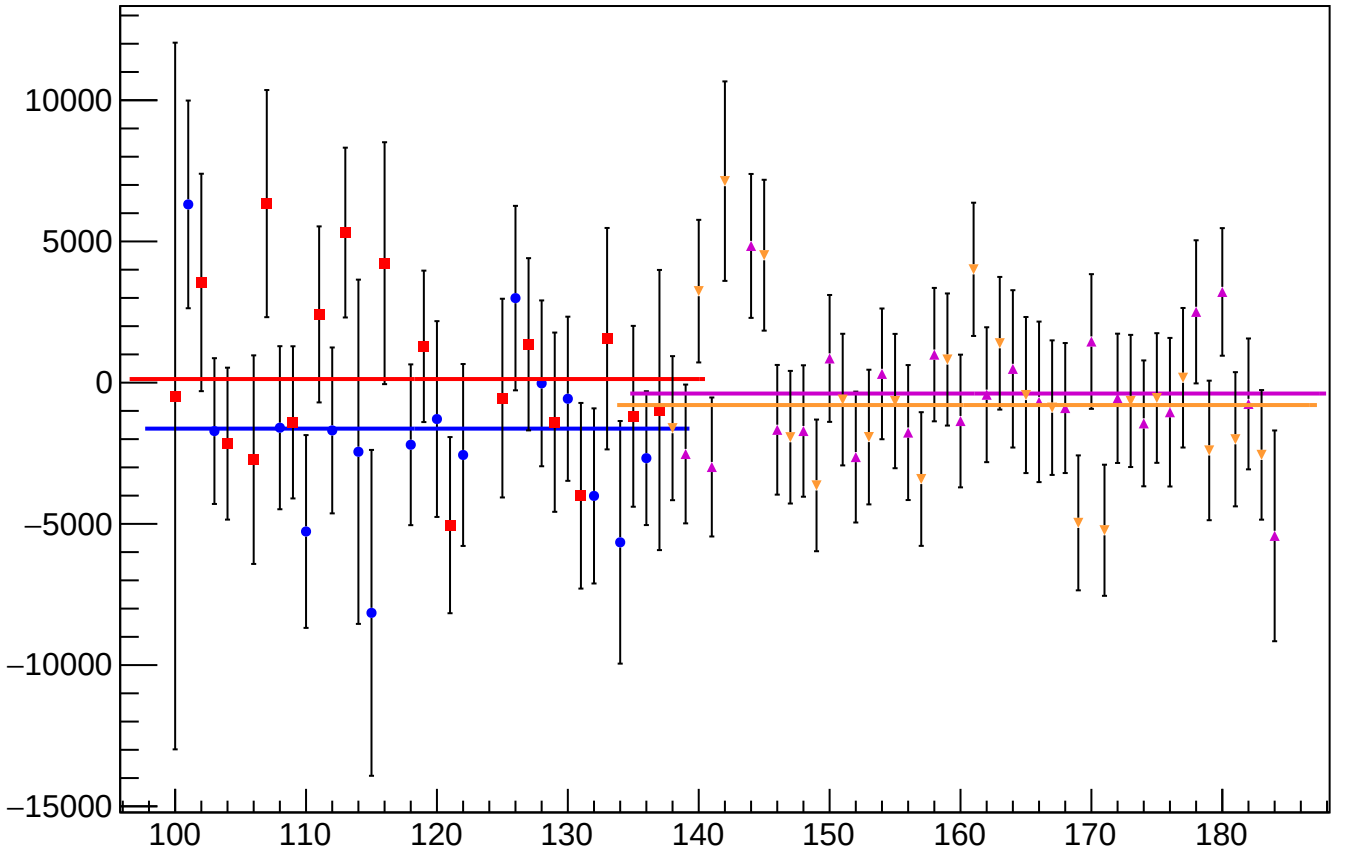
Left: 1294.260+/-0.153 χ^2/NDF: 1000872.8/45

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1398.846+/-0.204 χ^2/NDF:3660558.7/38

Out: 1388.453+/-0.203 χ^2/NDF:3793422.0/40

All: 1393.632+/-0.144 χ^2/NDF: 7455288.5/79



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -792.733+/-506.955 χ^2/NDF:28.5/22

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

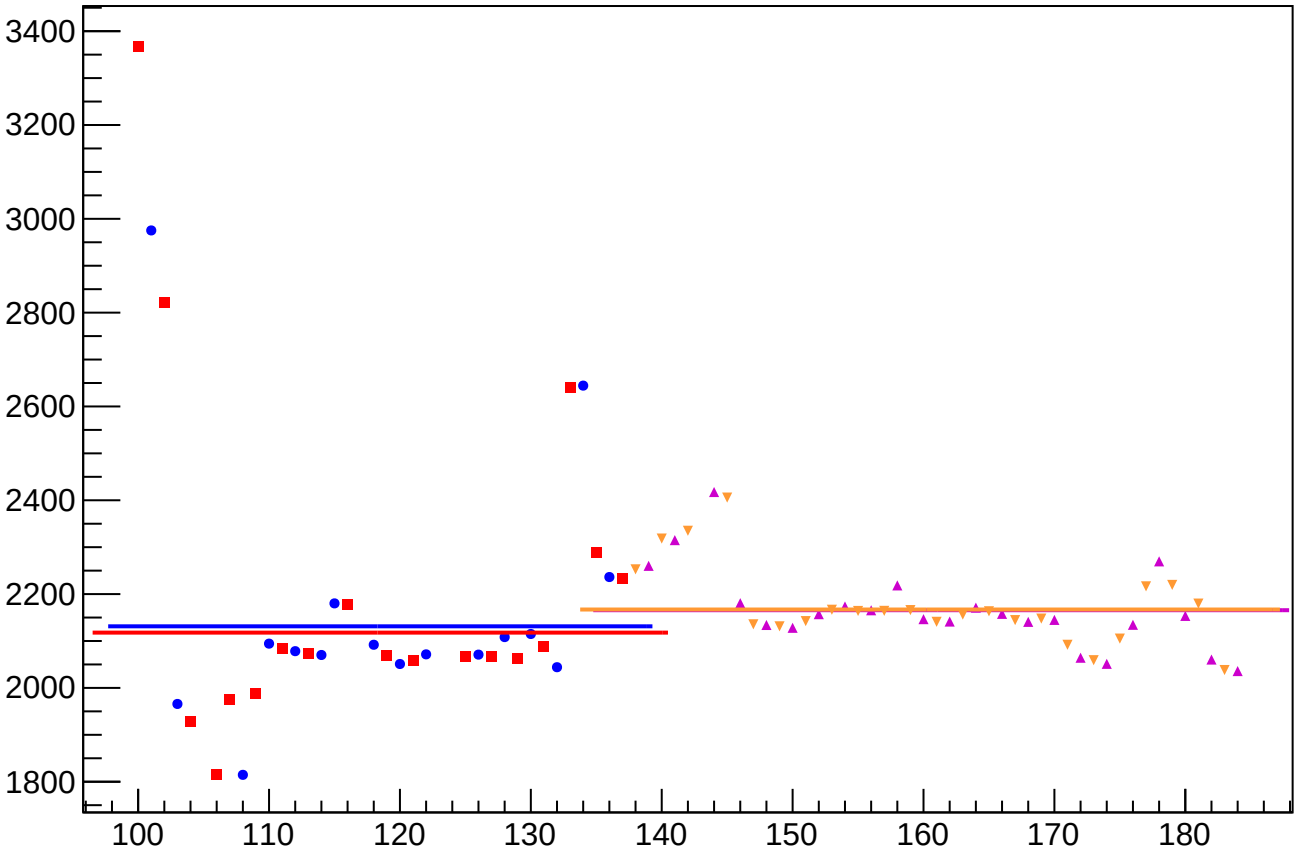
Left: -588.638+/-358.152 χ^2/NDF: 44.4/45

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -741.611+/-427.359 χ^2/NDF:28.7/38

Out: -526.963+/-427.583 χ^2/NDF:44.0/40

All: -634.343+/-302.268 χ^2/NDF: 72.8/79



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: 2165.643+/-0.358 χ^2/NDF:52124.5/22

Left: 2166.376+/-0.253 χ^2/NDF: 99627.9/45

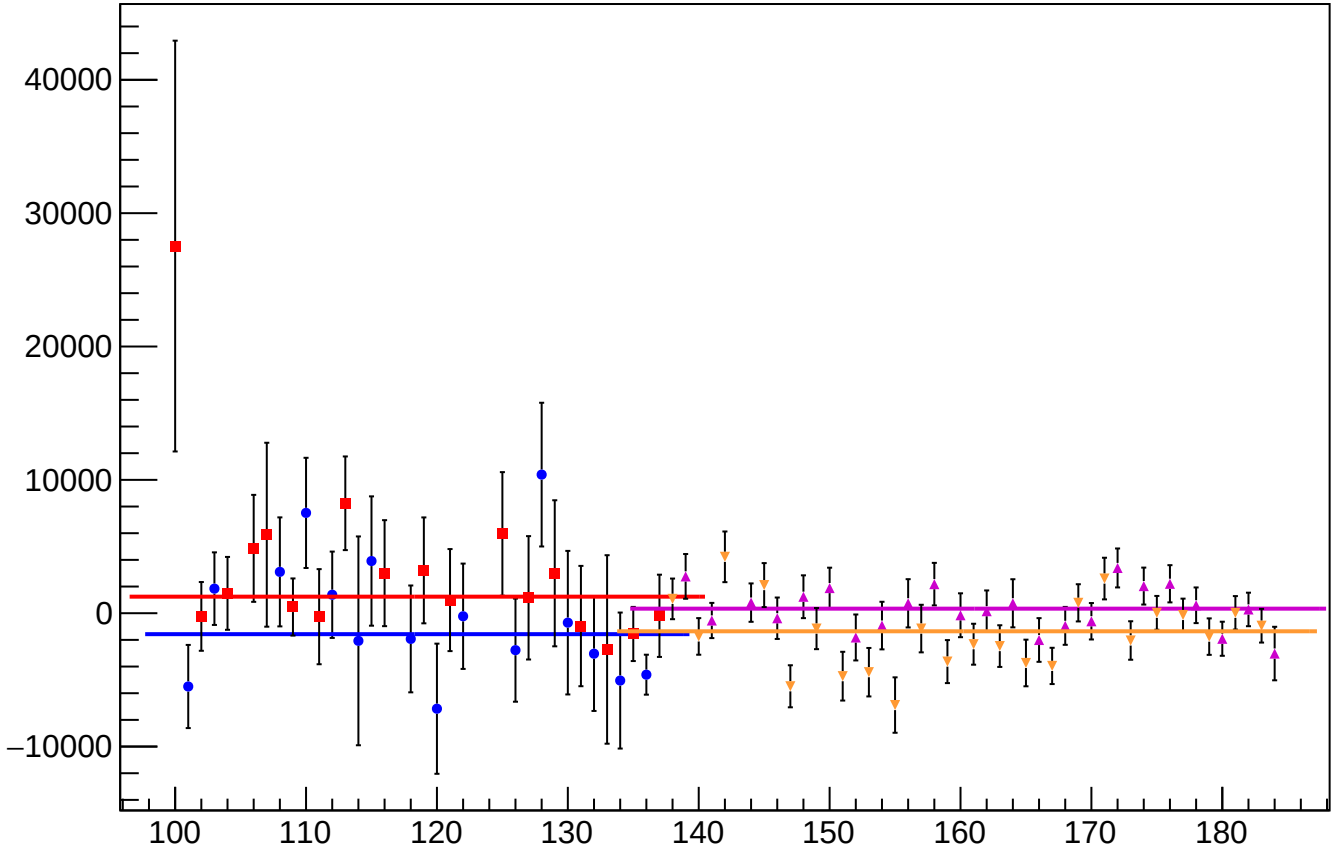
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2155.792+/-0.302 χ^2/NDF:230710.1/38

Out: 2152.898+/-0.302 χ^2/NDF:216564.1/40

All: 2154.346+/-0.214 χ^2/NDF: 447320.0/79

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: 341.259+/-315.566 χ^2/NDF:24.8/22

Left: -511.659+/-222.548 χ^2/NDF: 96.1/45

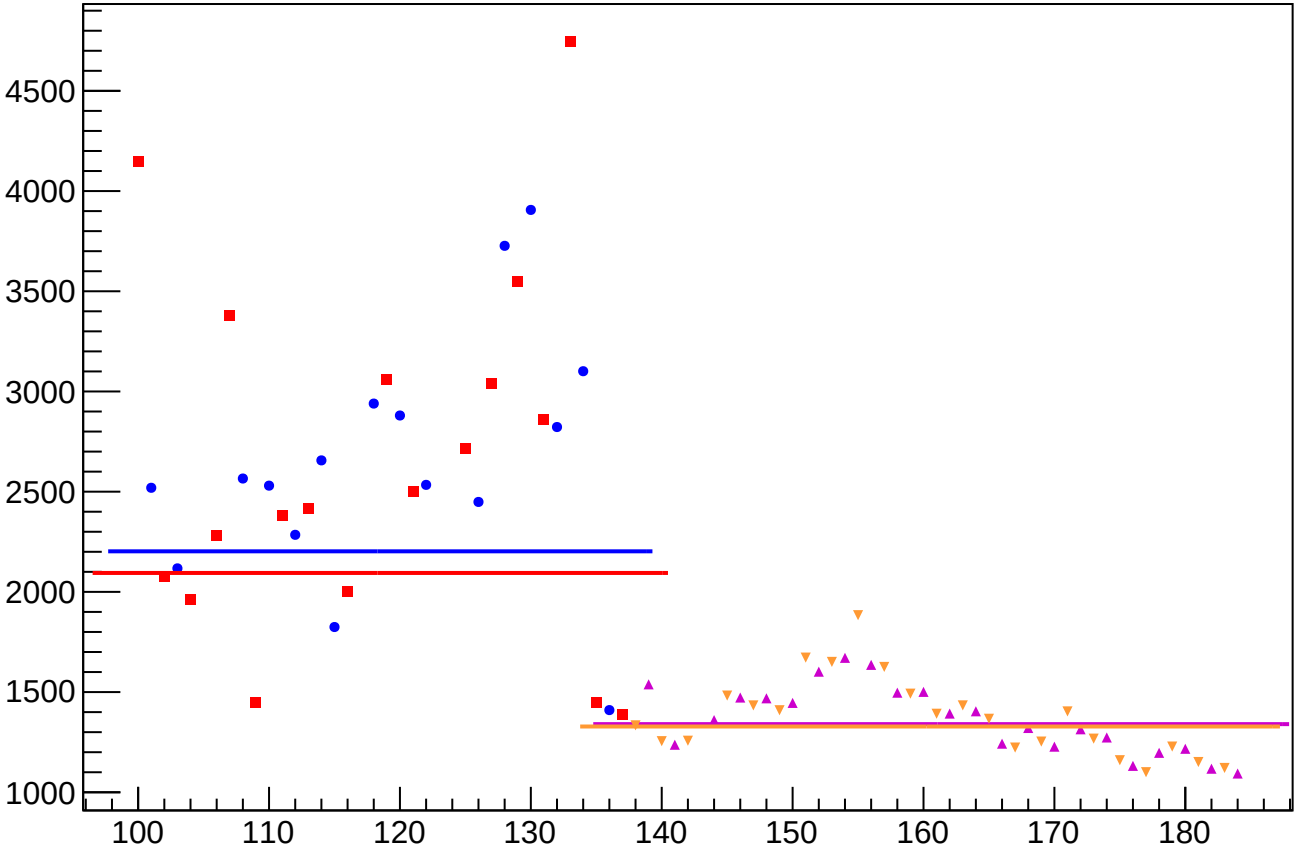
Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 114.217+/-296.241 χ^2/NDF:51.7/38

Out: -1023.570+/-293.146 χ^2/NDF:78.6/40

All: -460.651+/-208.371 χ^2/NDF: 137.8/79

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: 1340.084+/-0.223 χ^2/NDF:494267.4/22

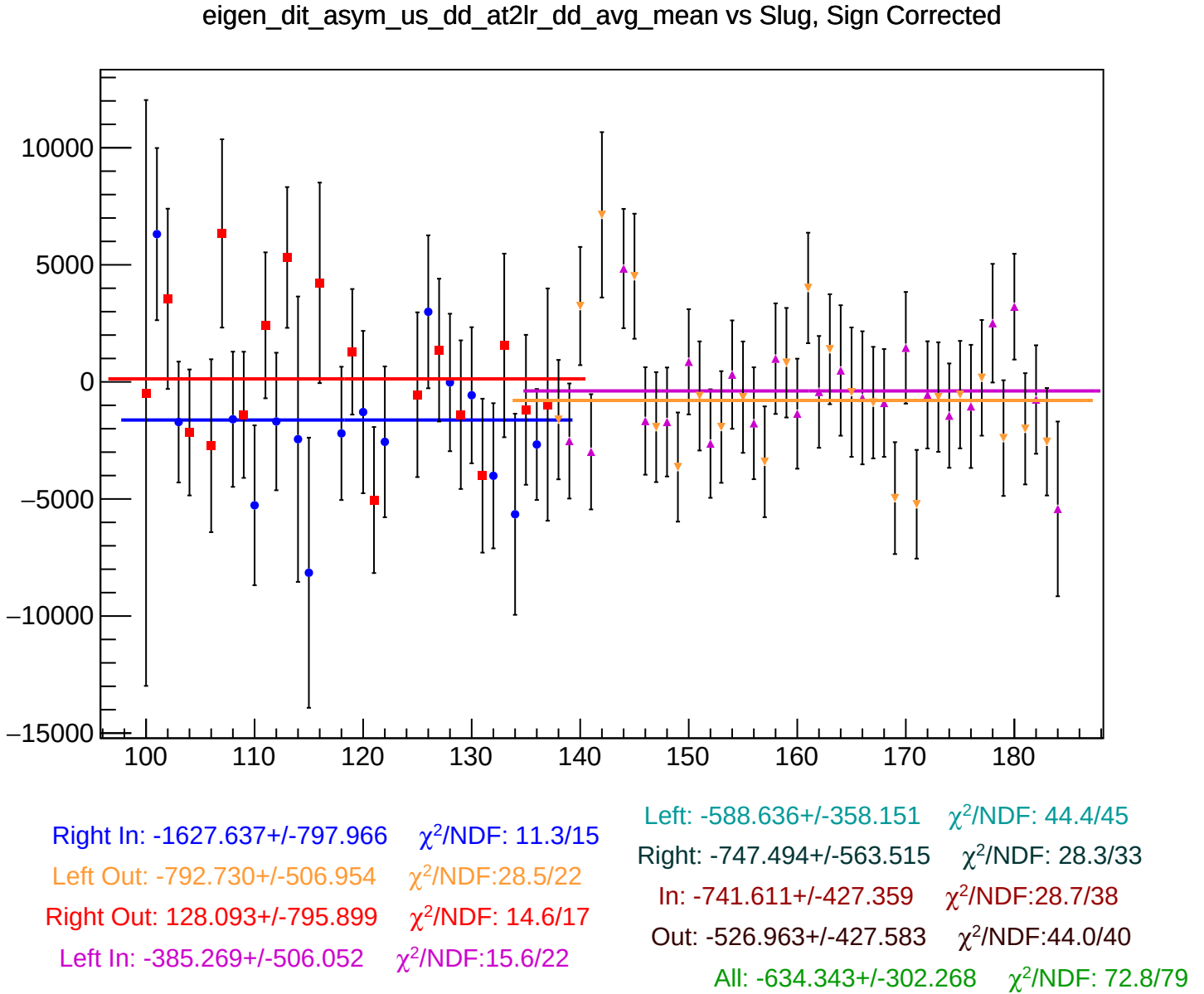
Left: 1334.131+/-0.157 χ^2/NDF: 1136691.9/45

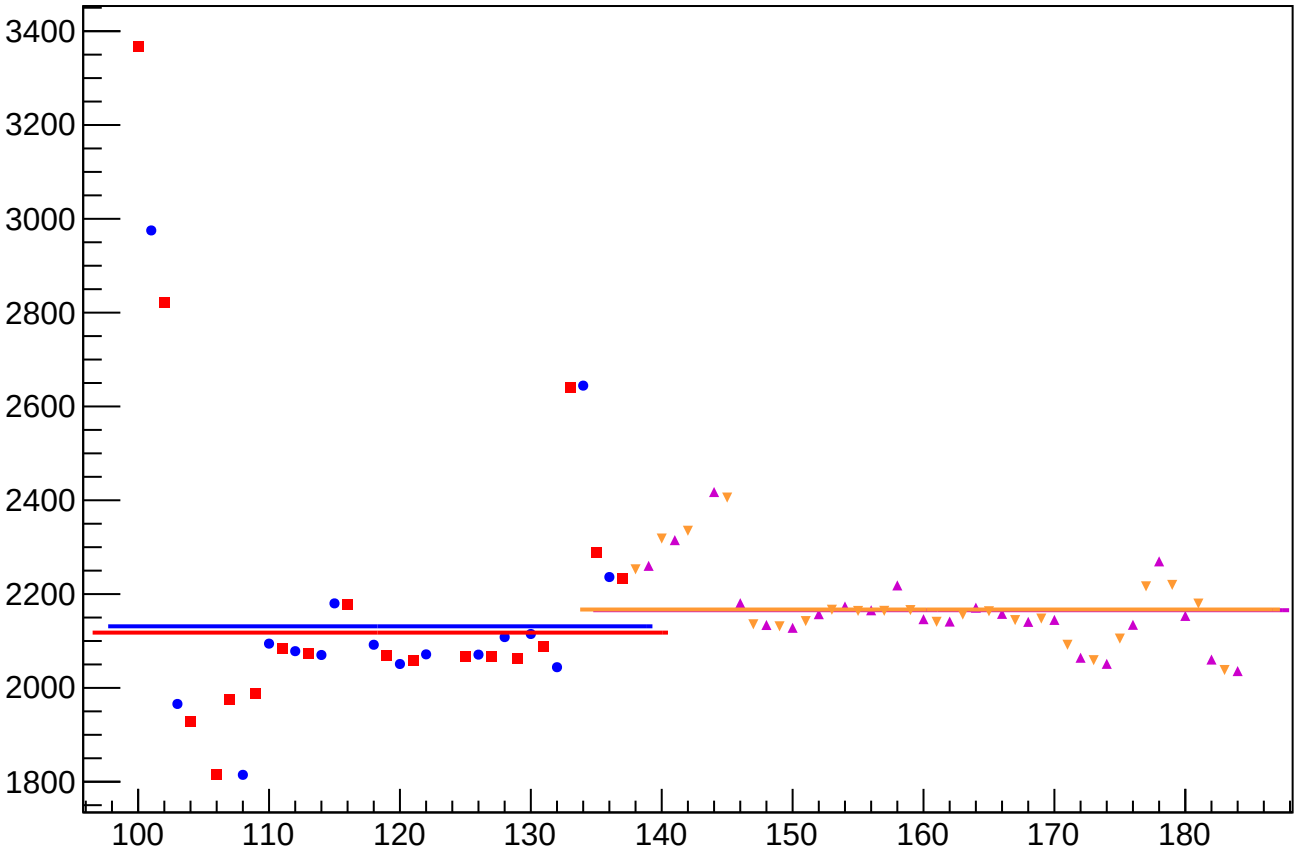
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1442.461+/-0.209 χ^2/NDF:3490212.7/38

Out: 1426.218+/-0.207 χ^2/NDF:3538419.9/40

All: 1434.254+/-0.147 χ^2/NDF: 7031670.5/79


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: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -588.636+/-358.151 χ²/NDF: 44.4/45
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -741.611+/-427.359 χ²/NDF:28.7/38
Out: -526.963+/-427.583 χ²/NDF:44.0/40
All: -634.343+/-302.268 χ²/NDF: 72.8/79



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: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2166.375+/-0.253 χ^2/NDF: 99627.9/45

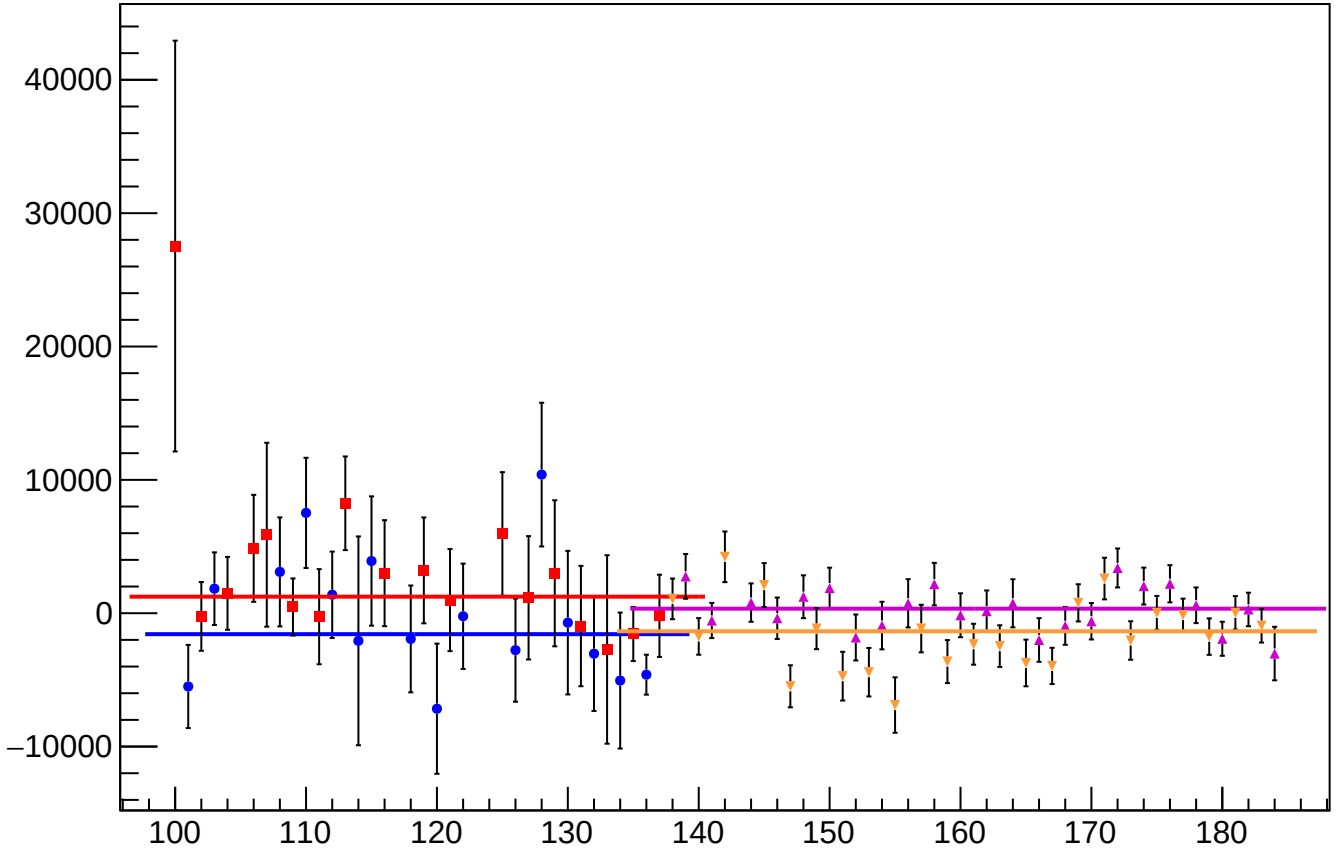
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2155.792+/-0.302 χ^2/NDF:230710.0/38

Out: 2152.897+/-0.302 χ^2/NDF:216563.9/40

All: 2154.345+/-0.214 χ^2/NDF: 447319.8/79

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: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -511.660+/-222.548 χ^2/NDF: 96.1/45

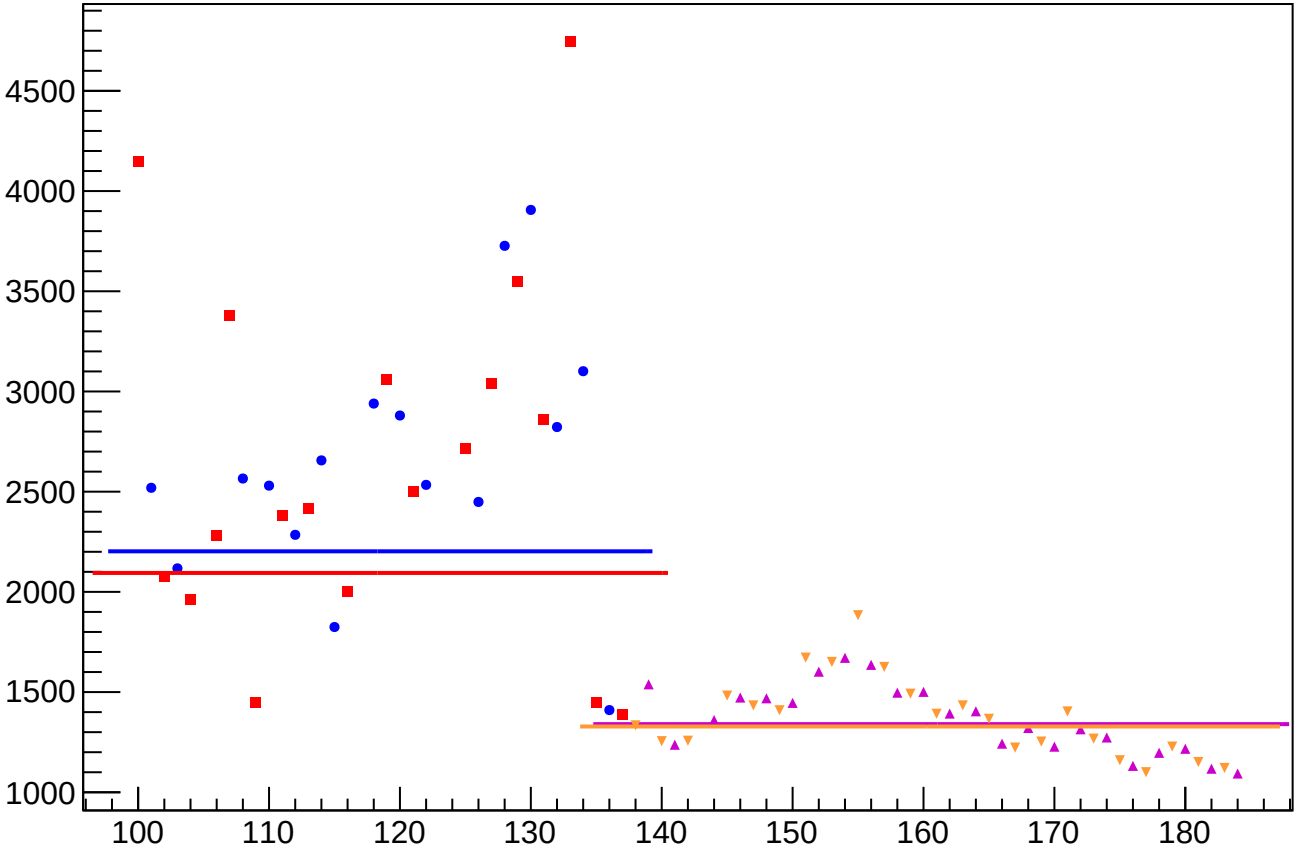
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 114.218+/-296.241 χ^2/NDF:51.7/38

Out: -1023.571+/-293.147 χ^2/NDF:78.6/40

All: -460.651+/-208.371 χ^2/NDF: 137.8/79

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: 1340.083+/-0.223 χ^2/NDF:494276.1/22

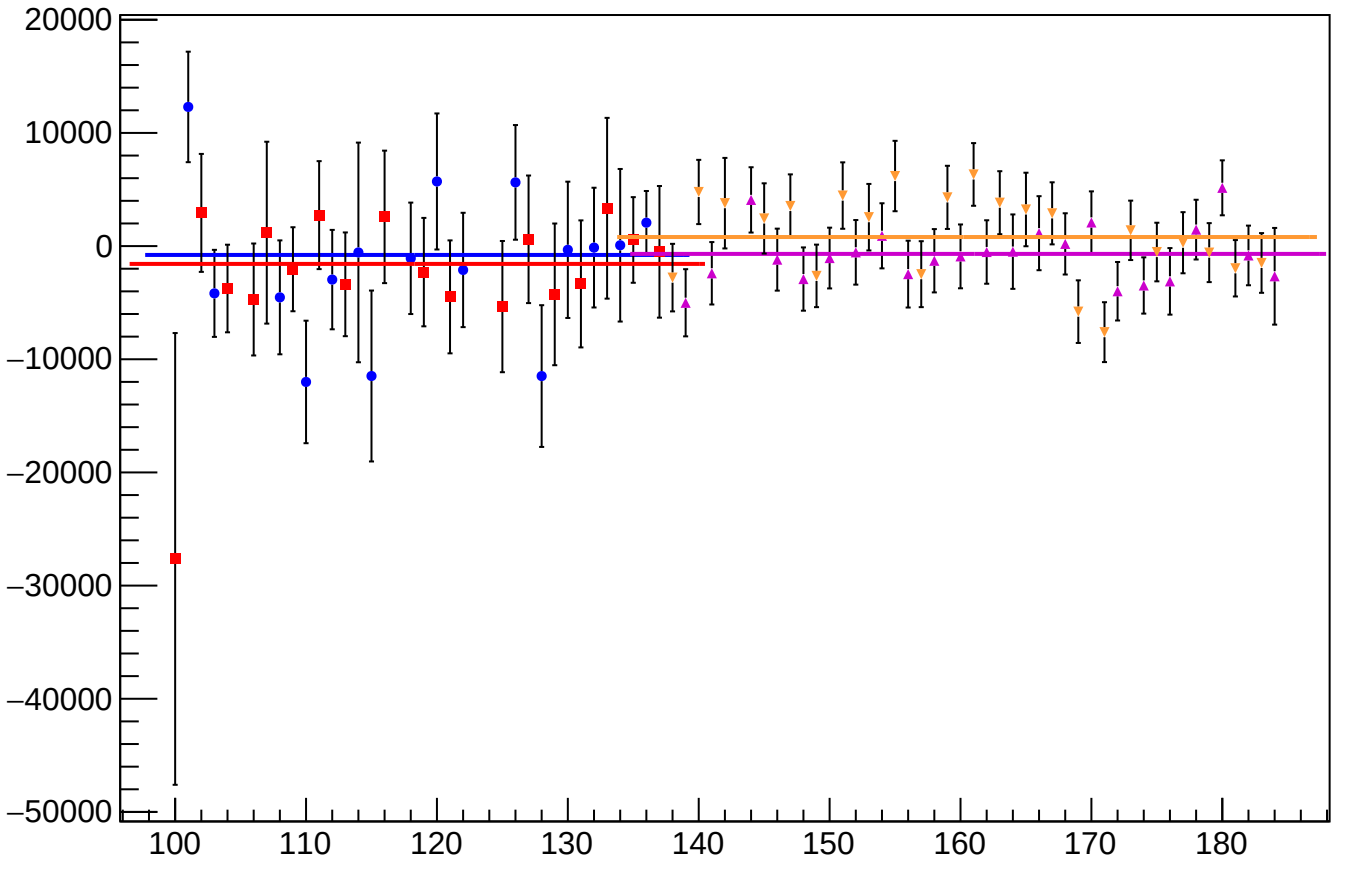
Left: 1334.130+/-0.157 χ^2/NDF: 1136698.8/45

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1442.460+/-0.209 χ^2/NDF:3490208.4/38

Out: 1426.218+/-0.207 χ^2/NDF:3538410.3/40

All: 1434.254+/-0.147 χ^2/NDF: 7031656.0/79



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: -689.981+/-587.431 χ^2/NDF:18.3/22

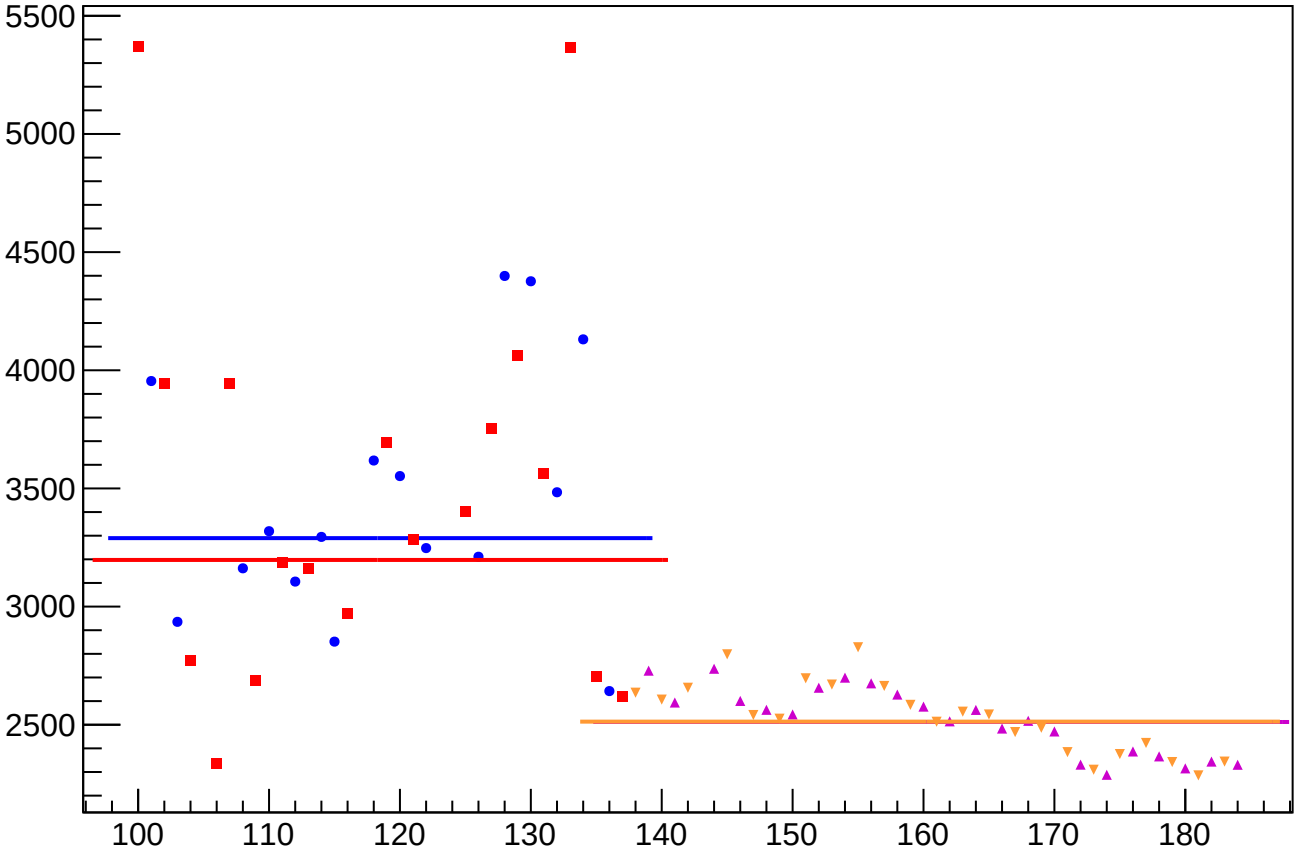
Left: 54.352+/-415.762 χ^2/NDF: 60.8/45

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -706.739+/-531.007 χ^2/NDF:40.2/38

Out: 352.277+/-529.985 χ^2/NDF:49.0/40

All: -176.211+/-375.117 χ^2/NDF: 91.3/79



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: 2511.613+/-0.415 χ^2/NDF:113485.5/22

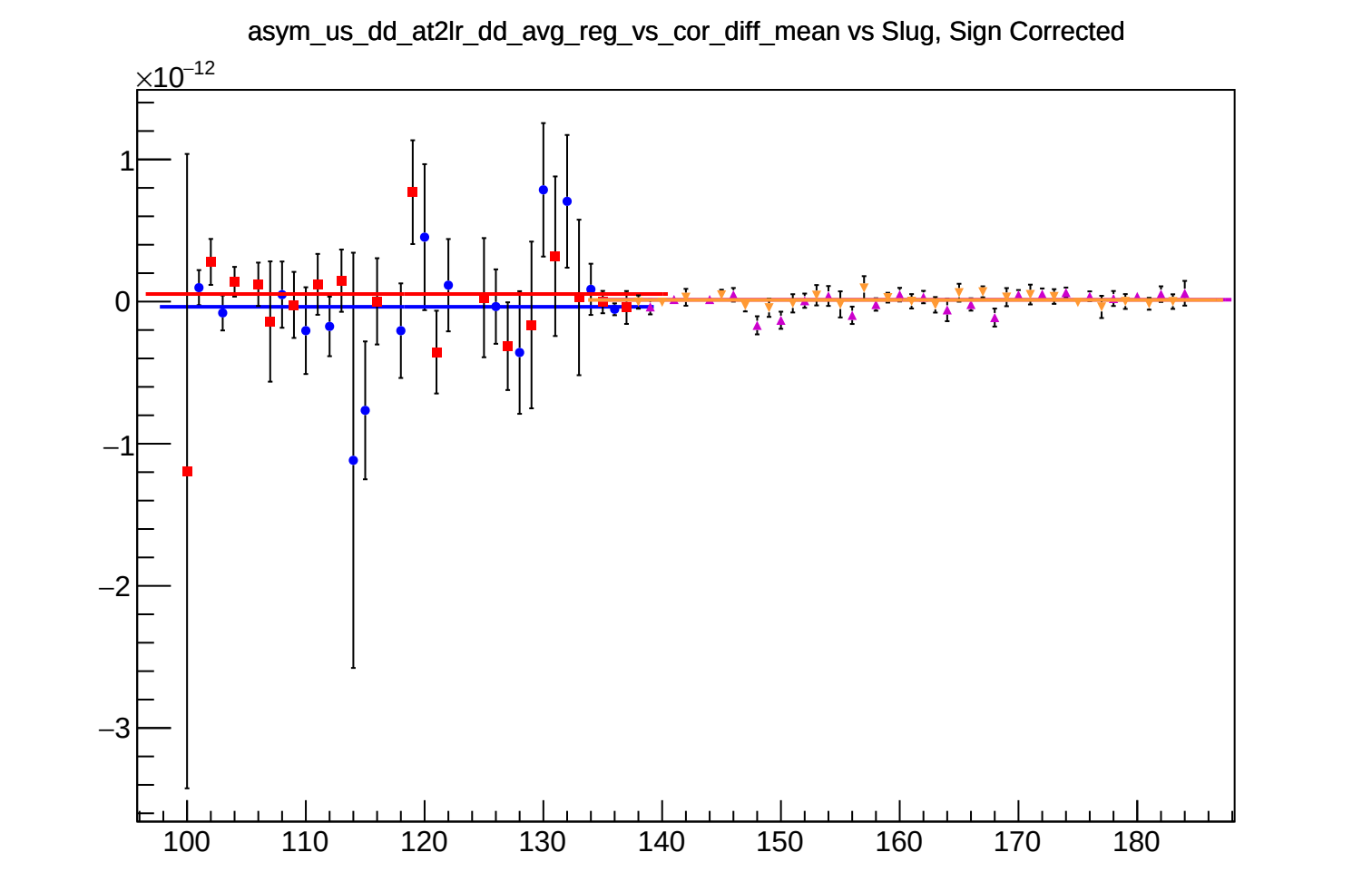
Left: 2512.378+/-0.294 χ^2/NDF: 238779.1/45

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2653.905+/-0.375 χ^2/NDF:1102765.2/38

Out: 2642.494+/-0.375 χ^2/NDF:1136271.9/40

All: 2648.189+/-0.265 χ^2/NDF: 2239499.7/79



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:30.9/22

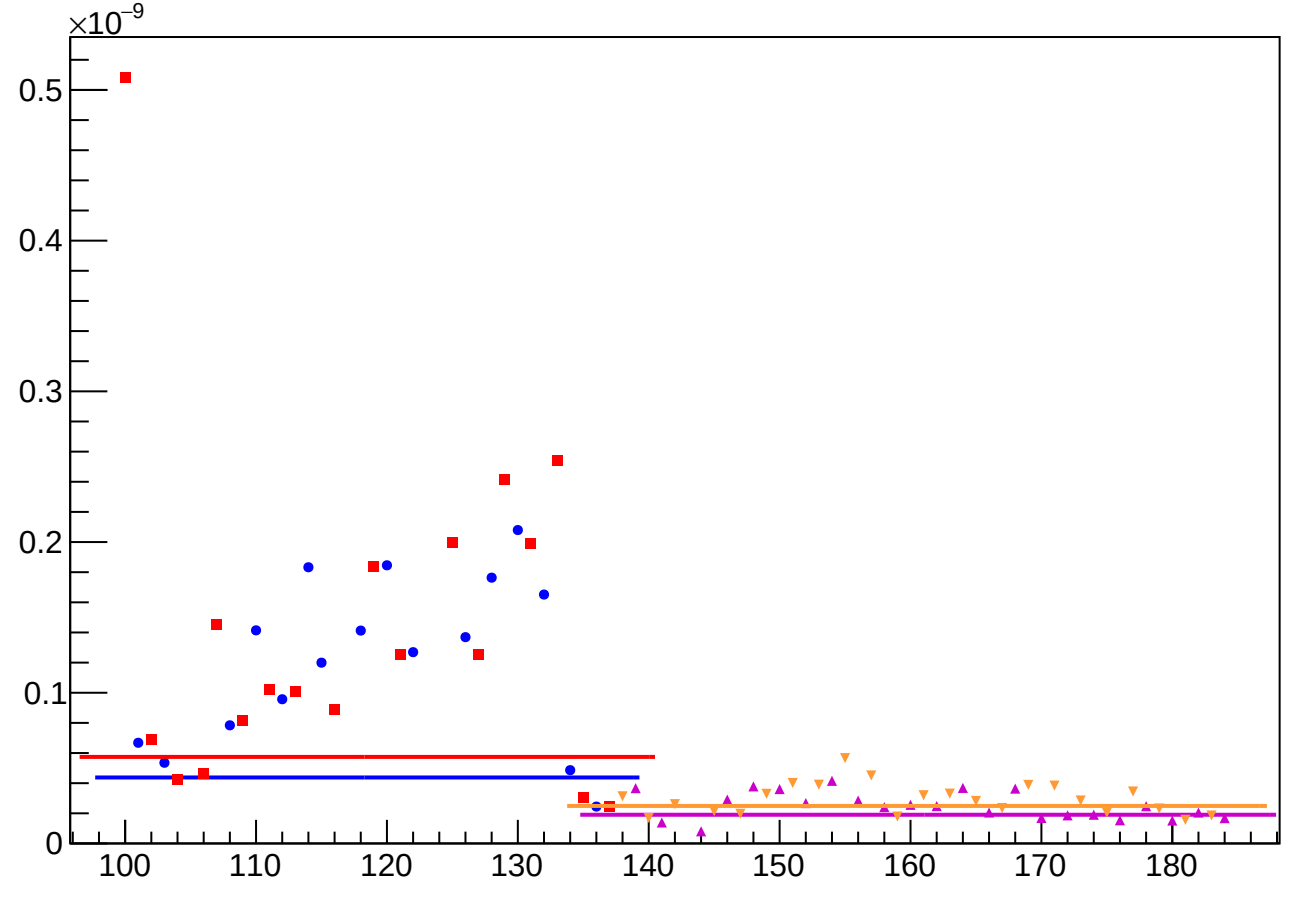
Left: 0.000+/-0.000 χ^2/NDF: 40.7/45

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: 0.000+/-0.000 χ^2/NDF:46.1/38

Out: 0.000+/-0.000 χ^2/NDF:23.2/40

All: 0.000+/-0.000 χ^2/NDF: 69.4/79



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:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3940305.9/45

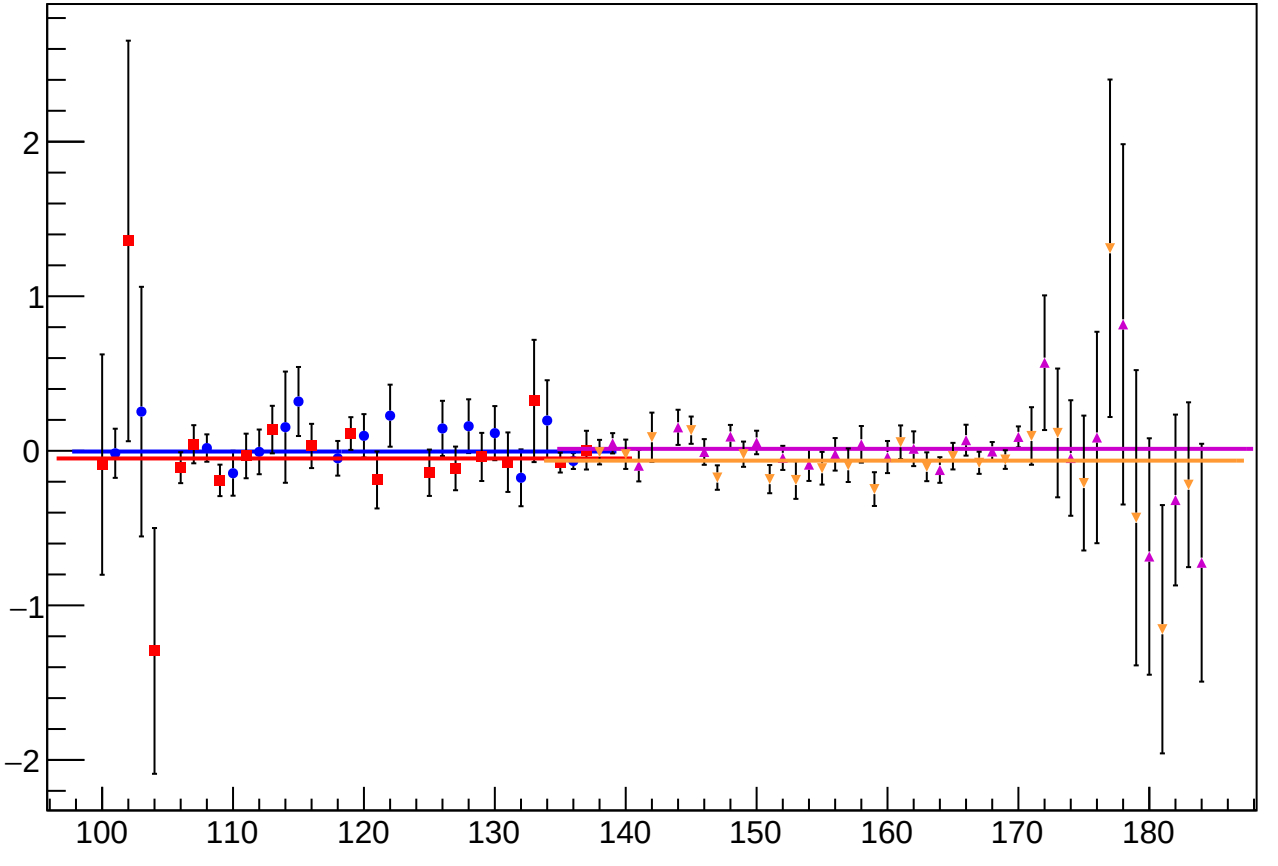
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5394622.3/38

Out: 0.000+/-0.000 χ^2/NDF:4509306.0/40

All: 0.000+/-0.000 χ^2/NDF: 10355674.5/79

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:15.0/22

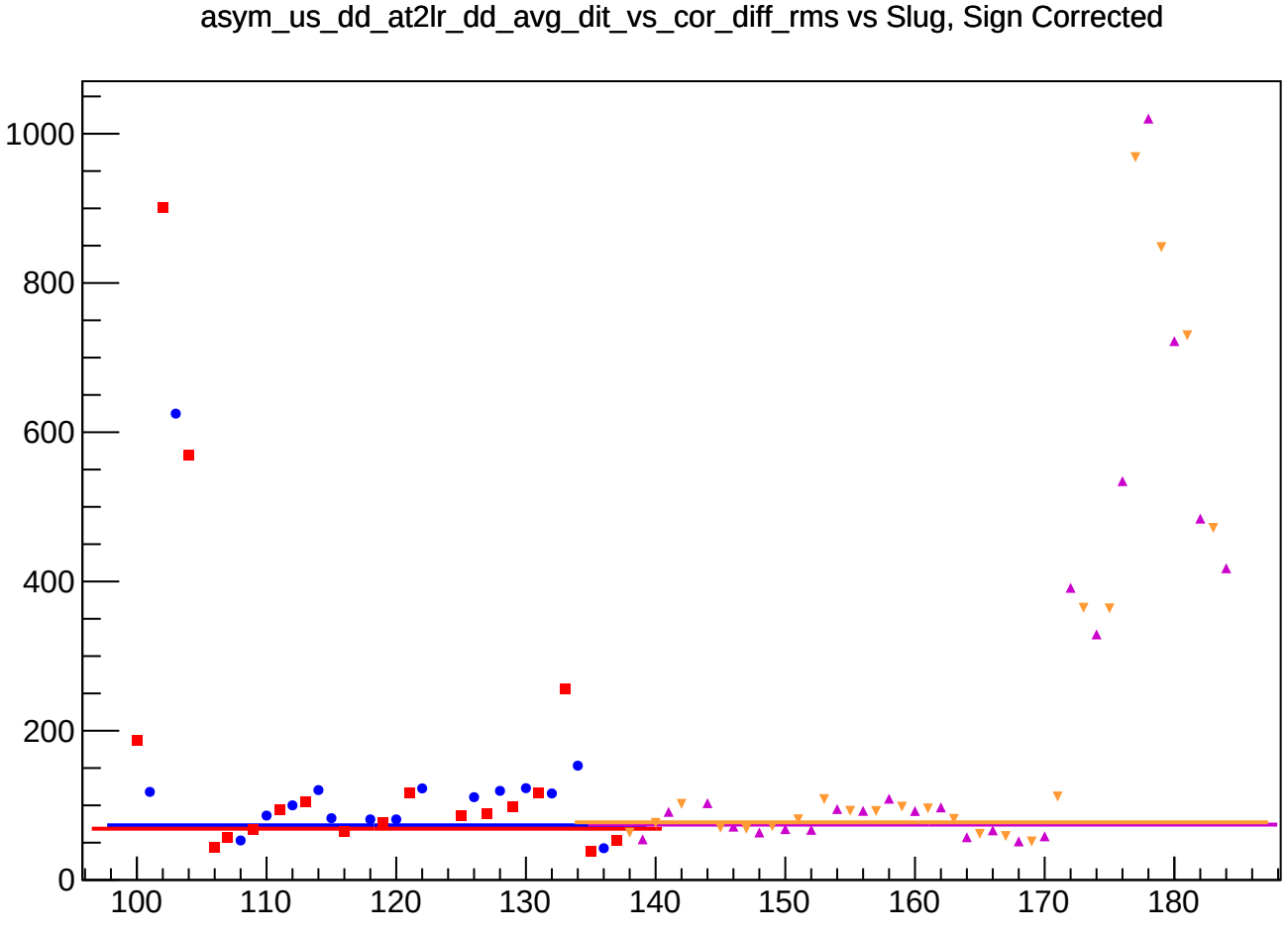
Left: -0.024+/-0.015 χ^2/NDF: 42.1/45

Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.018 χ^2/NDF:25.5/38

Out: -0.059+/-0.018 χ^2/NDF:34.0/40

All: -0.025+/-0.013 χ^2/NDF: 66.5/79



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: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.673+/-0.011 χ^2/NDF: 16537624.4/45

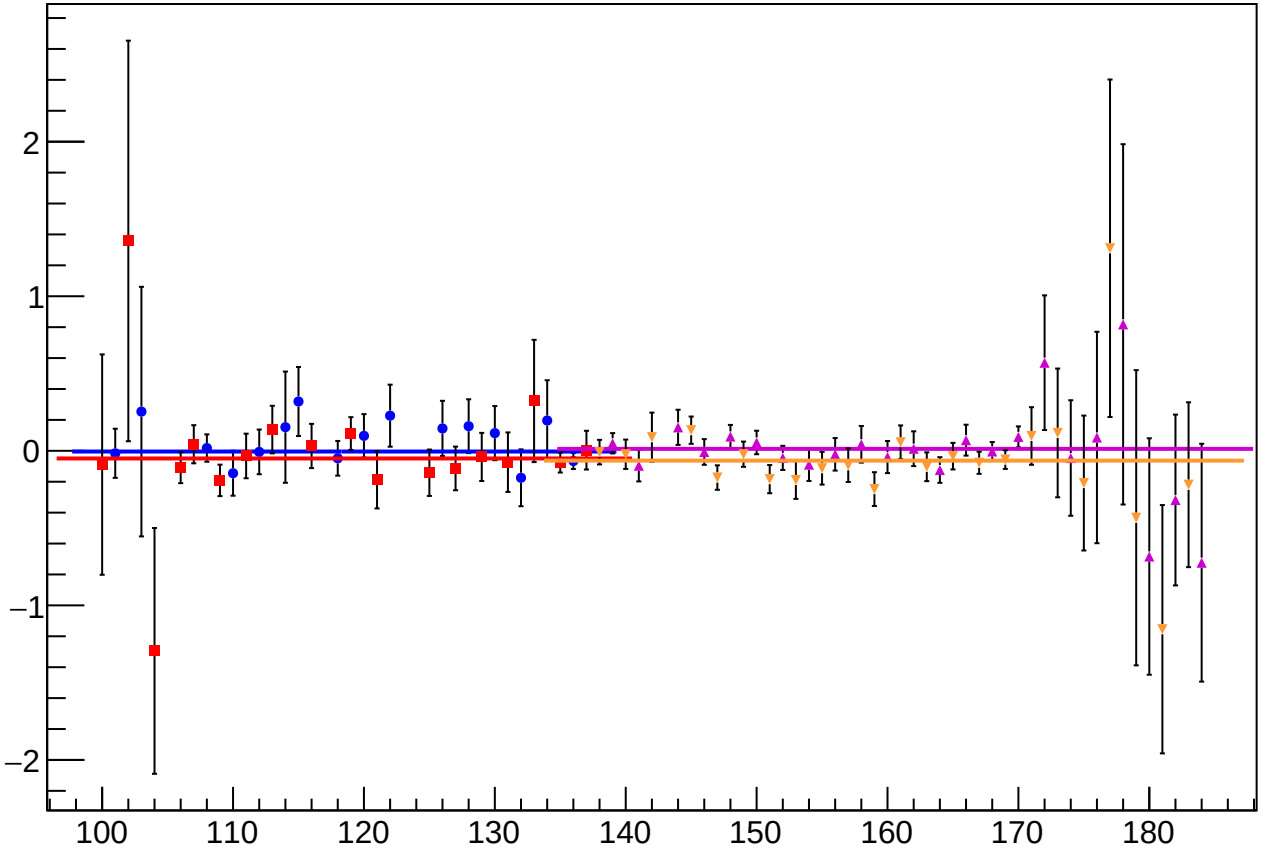
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 73.921+/-0.012 χ^2/NDF:11369979.7/38

Out: 74.468+/-0.013 χ^2/NDF:11433284.5/40

All: 74.187+/-0.009 χ^2/NDF: 22804196.1/79

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:15.0/22

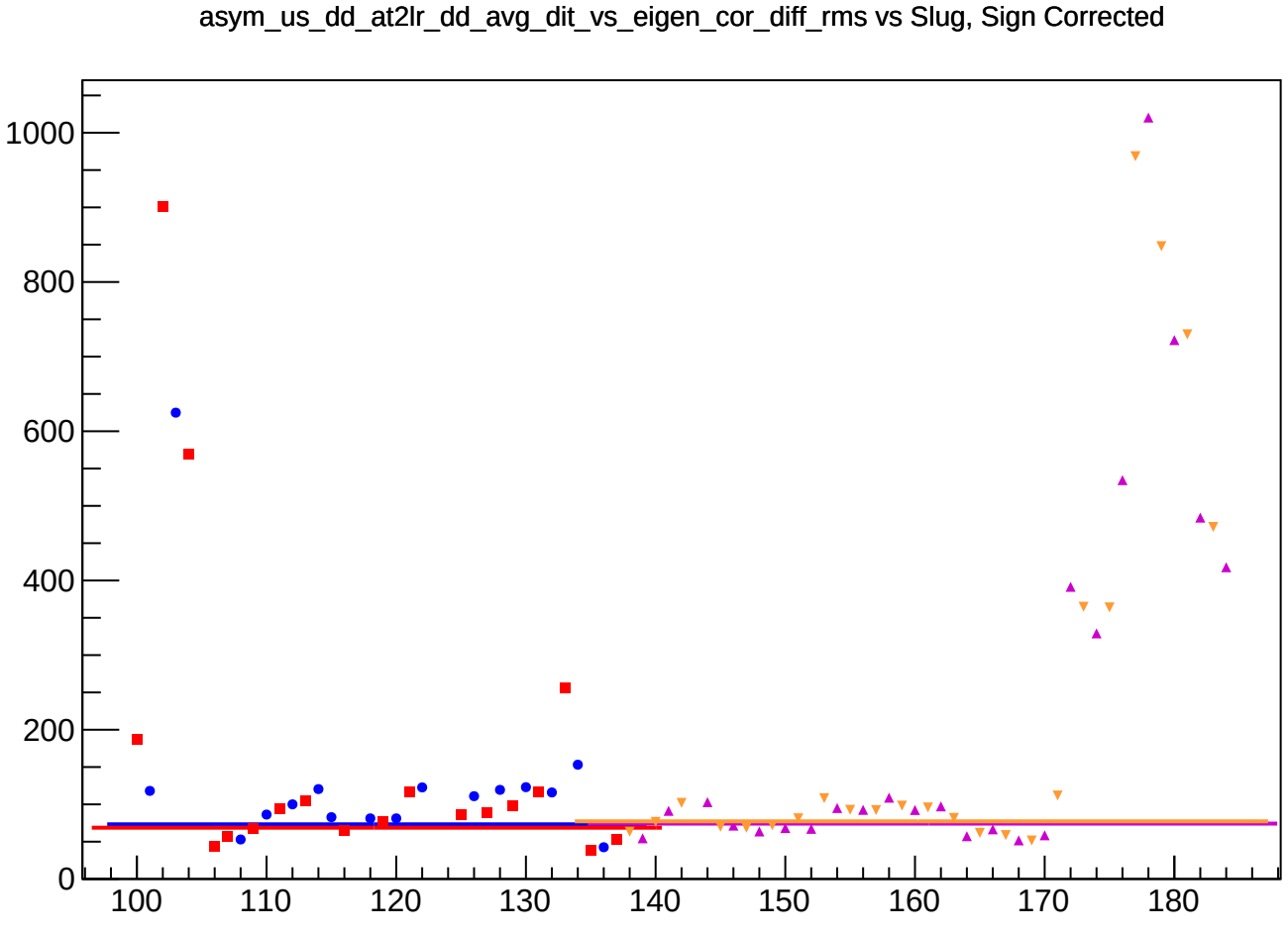
Left: -0.024+/-0.015 χ^2/NDF: 42.1/45

Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.018 χ^2/NDF:25.5/38

Out: -0.059+/-0.018 χ^2/NDF:34.0/40

All: -0.025+/-0.013 χ^2/NDF: 66.5/79



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: 74.216+/-0.015 χ^2/NDF:8514080.5/22

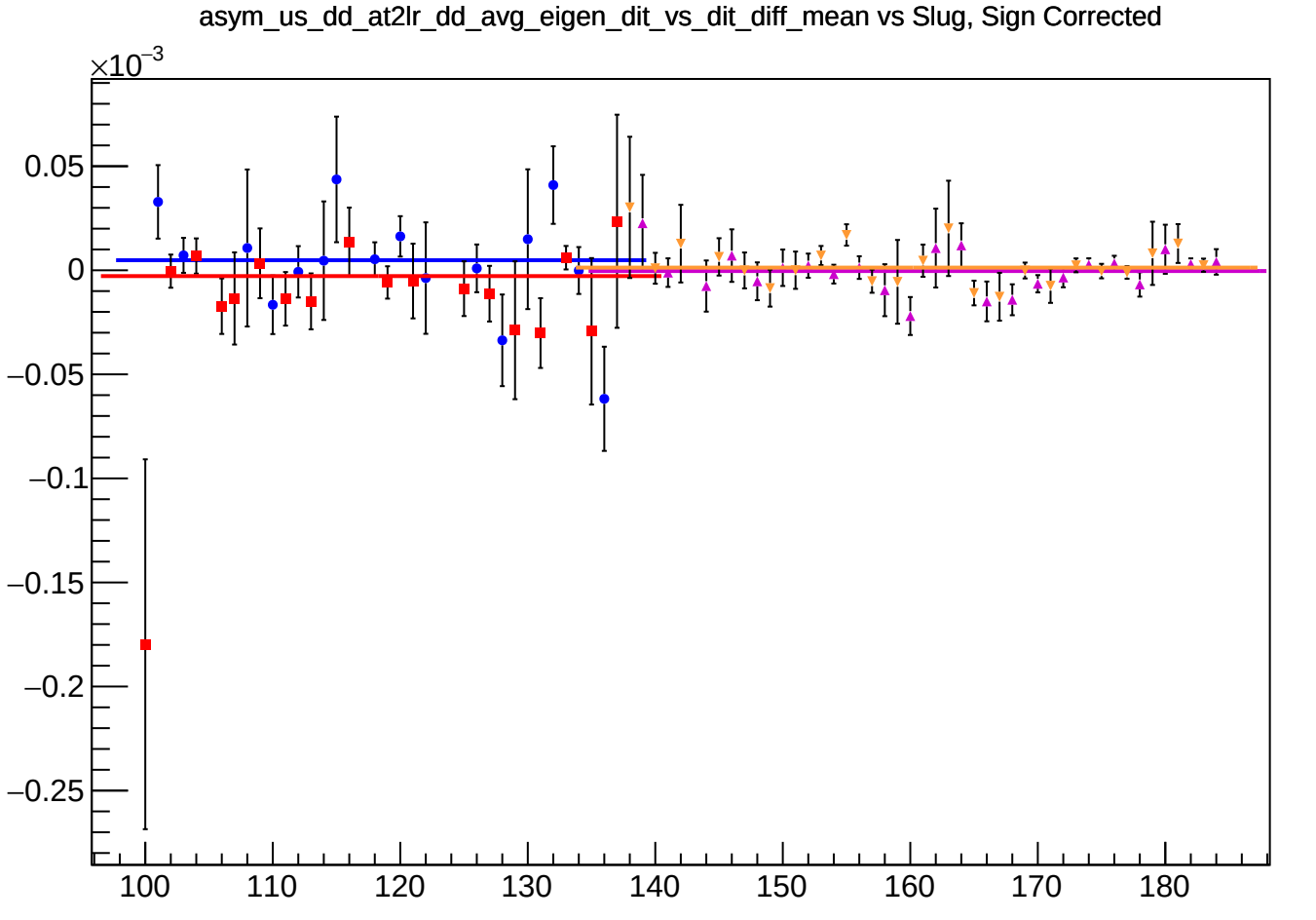
Left: 75.673+/-0.011 χ^2/NDF: 16537624.4/45

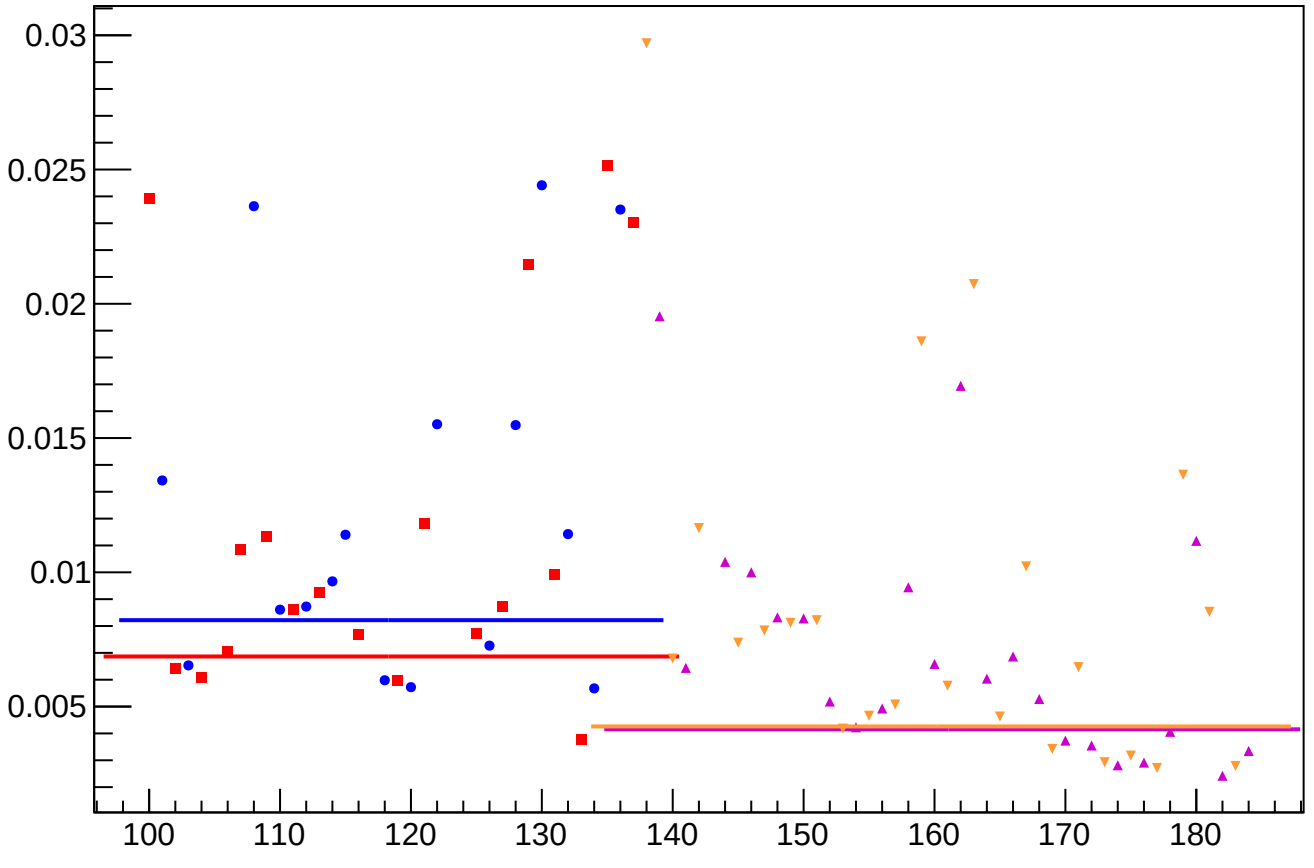
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 73.921+/-0.012 χ^2/NDF:11369979.7/38

Out: 74.468+/-0.013 χ^2/NDF:11433284.5/40

All: 74.187+/-0.009 χ^2/NDF: 22804196.1/79


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:25.8/22
Right Out: -0.000+/-0.000 χ²/NDF: 16.8/17
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: 0.000+/-0.000 χ²/NDF: 51.4/45
Right: 0.000+/-0.000 χ²/NDF: 42.2/33
In: 0.000+/-0.000 χ²/NDF:49.2/38
Out: 0.000+/-0.000 χ²/NDF:44.3/40
All: 0.000+/-0.000 χ²/NDF: 93.6/79



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:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15532296.9/45

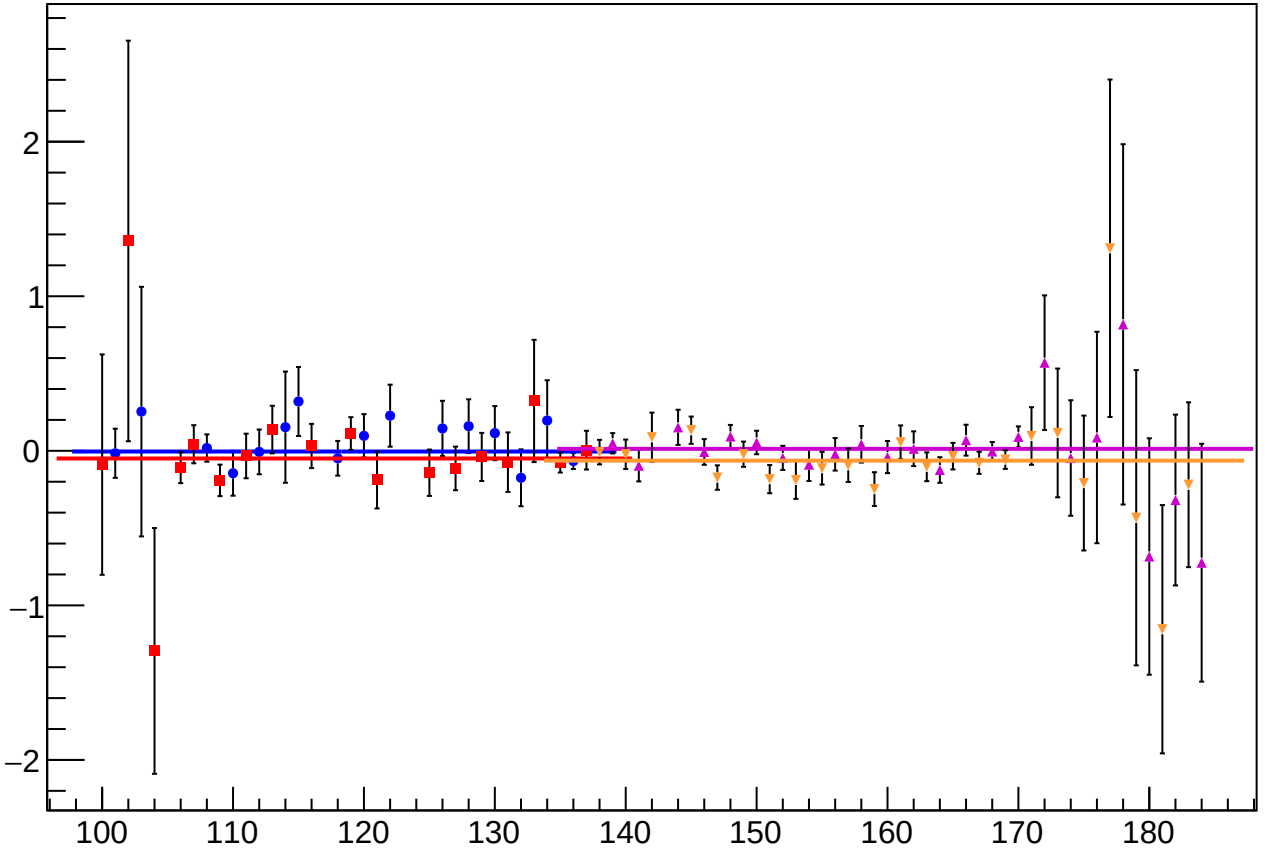
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.005+/-0.000 χ^2/NDF:11972625.7/38

Out: 0.005+/-0.000 χ^2/NDF:12506417.5/40

All: 0.005+/-0.000 χ^2/NDF: 24482747.6/79

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:15.0/22

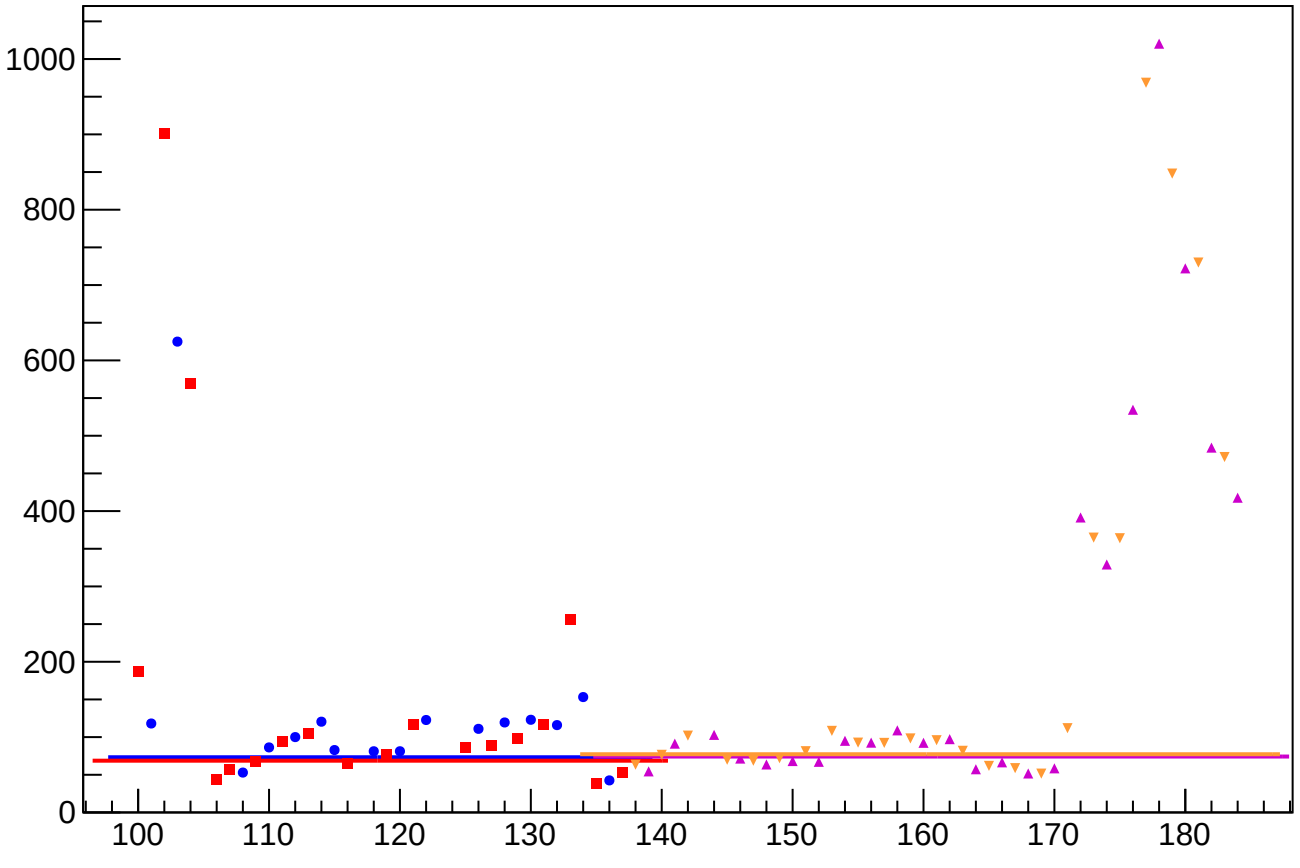
Left: -0.024+/-0.015 χ^2/NDF: 42.1/45

Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.018 χ^2/NDF:25.6/38

Out: -0.059+/-0.018 χ^2/NDF:34.0/40

All: -0.025+/-0.013 χ^2/NDF: 66.5/79



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: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.674+/-0.011 χ^2/NDF: 16537228.0/45

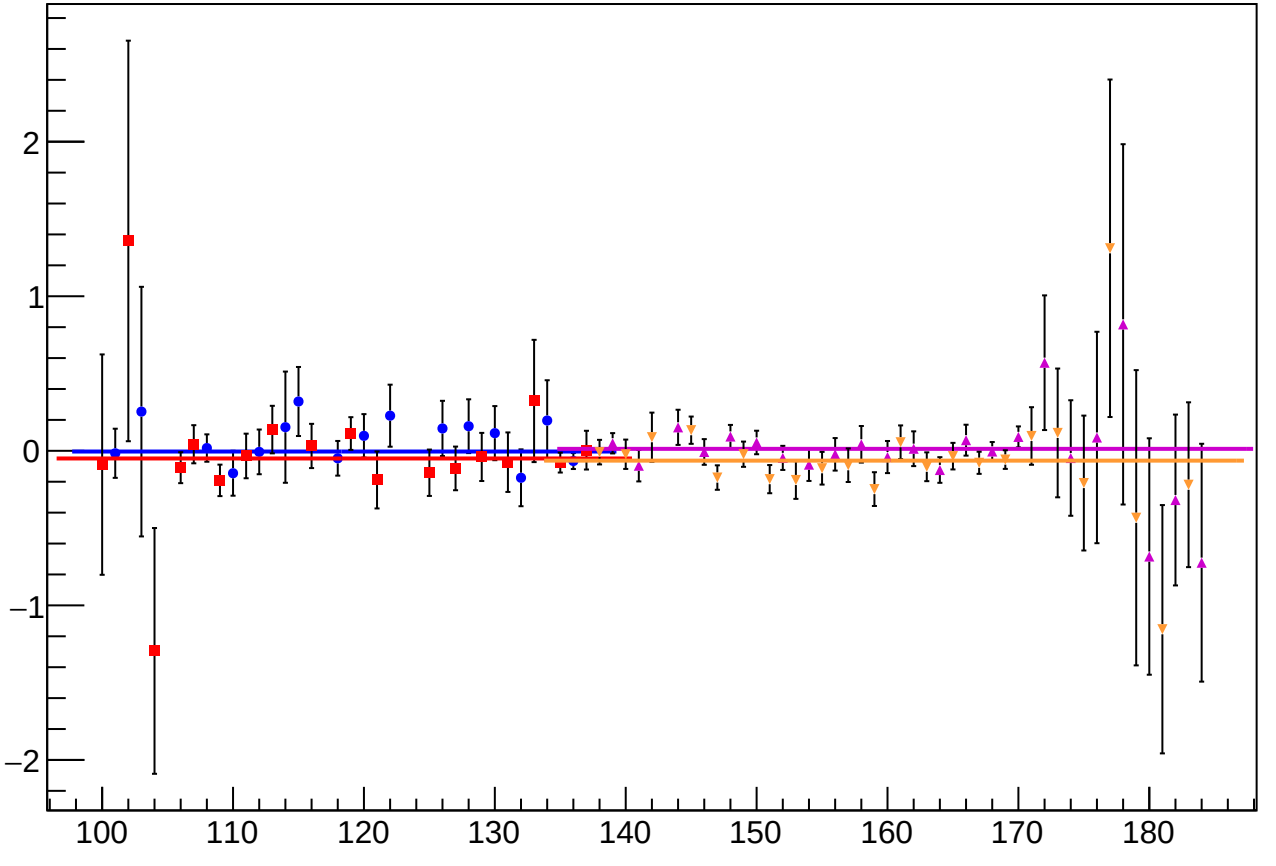
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 73.930+/-0.012 χ^2/NDF:11367333.5/38

Out: 74.463+/-0.013 χ^2/NDF:11434459.4/40

All: 74.190+/-0.009 χ^2/NDF: 22802682.0/79

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:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 42.1/45

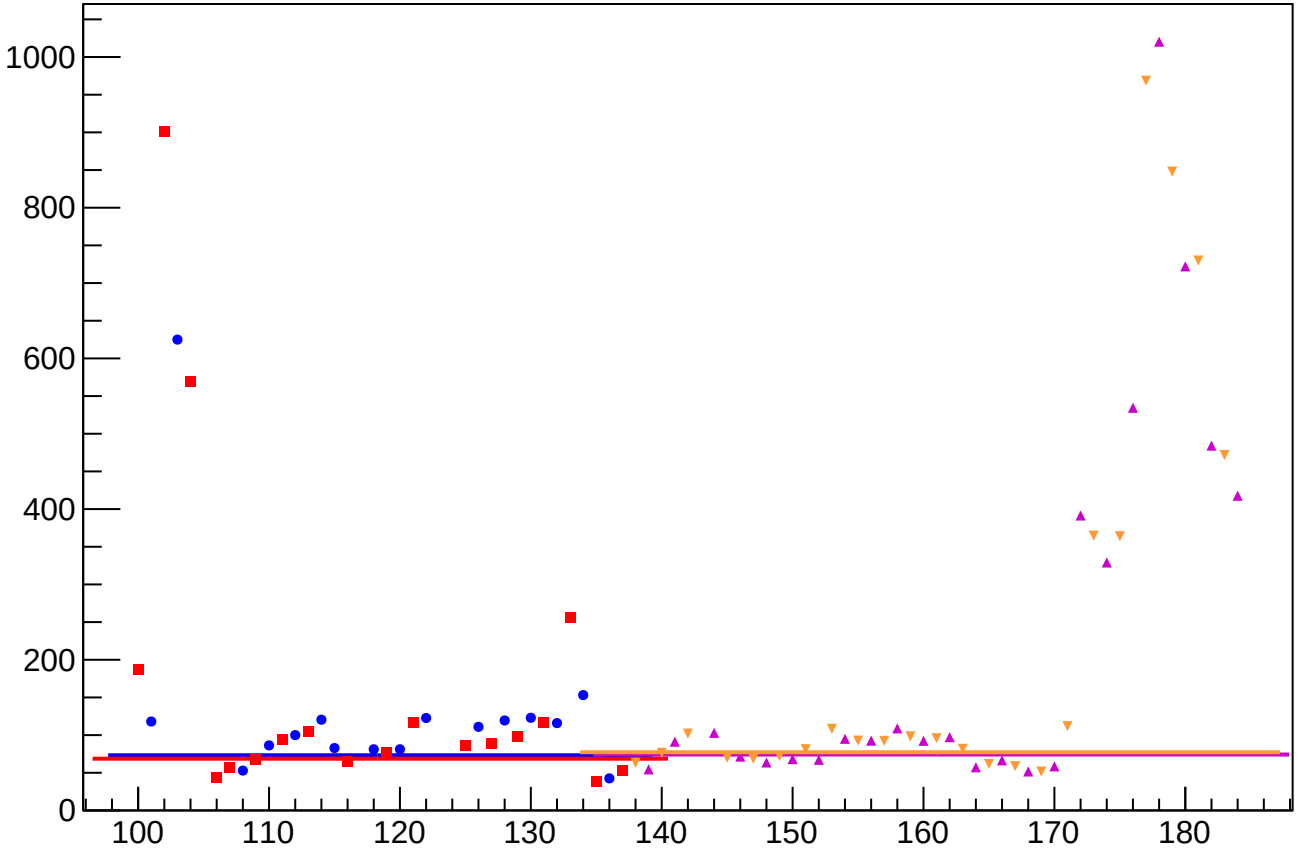
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.018 χ^2/NDF:25.6/38

Out: -0.059+/-0.018 χ^2/NDF:34.0/40

All: -0.025+/-0.013 χ^2/NDF: 66.5/79

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: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.674+/-0.011 χ^2/NDF: 16537228.0/45

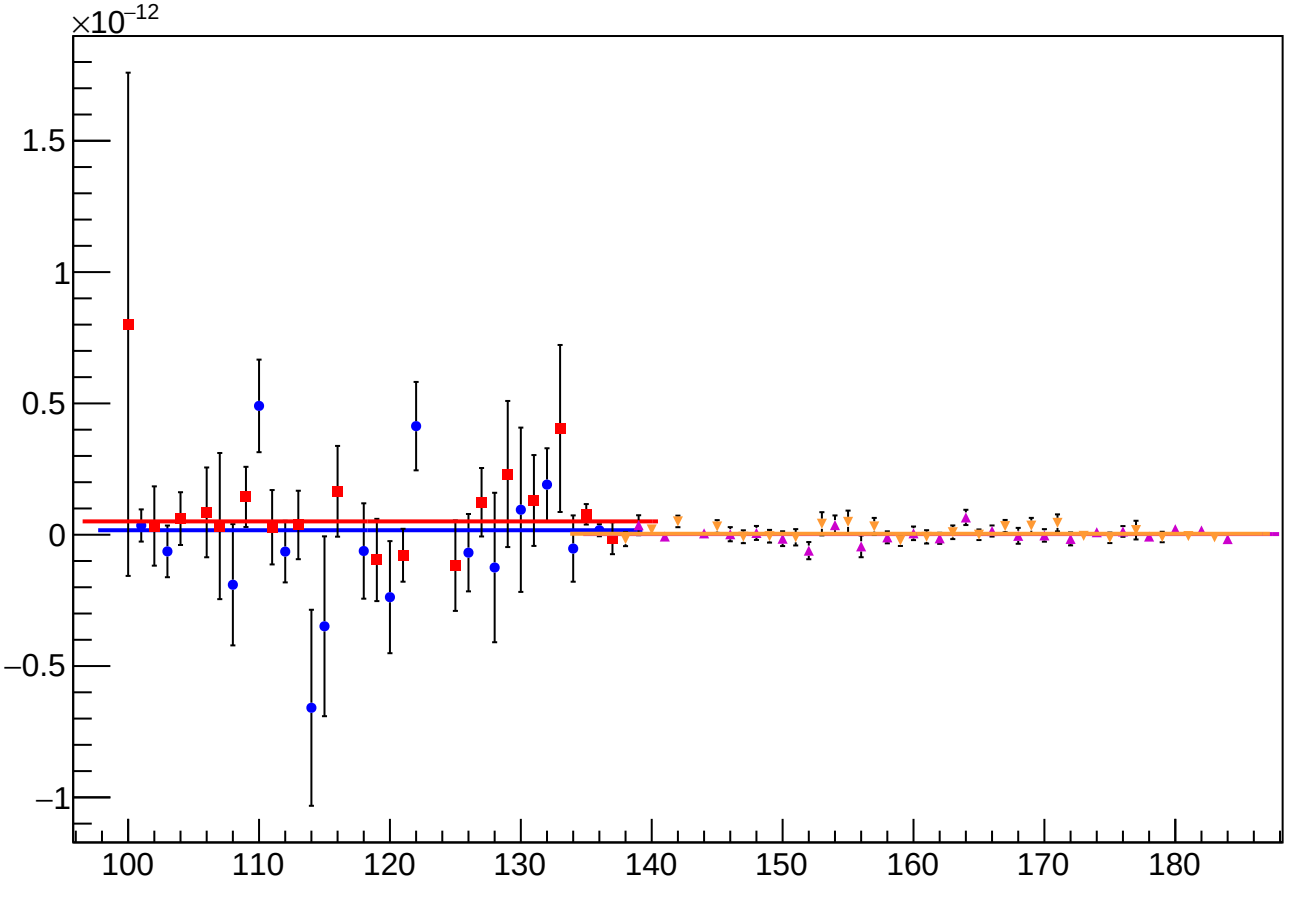
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 73.930+/-0.012 χ^2/NDF:11367333.5/38

Out: 74.463+/-0.013 χ^2/NDF:11434459.4/40

All: 74.190+/-0.009 χ^2/NDF: 22802682.0/79

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: 0.000+/-0.000 χ^2/NDF: 37.0/45

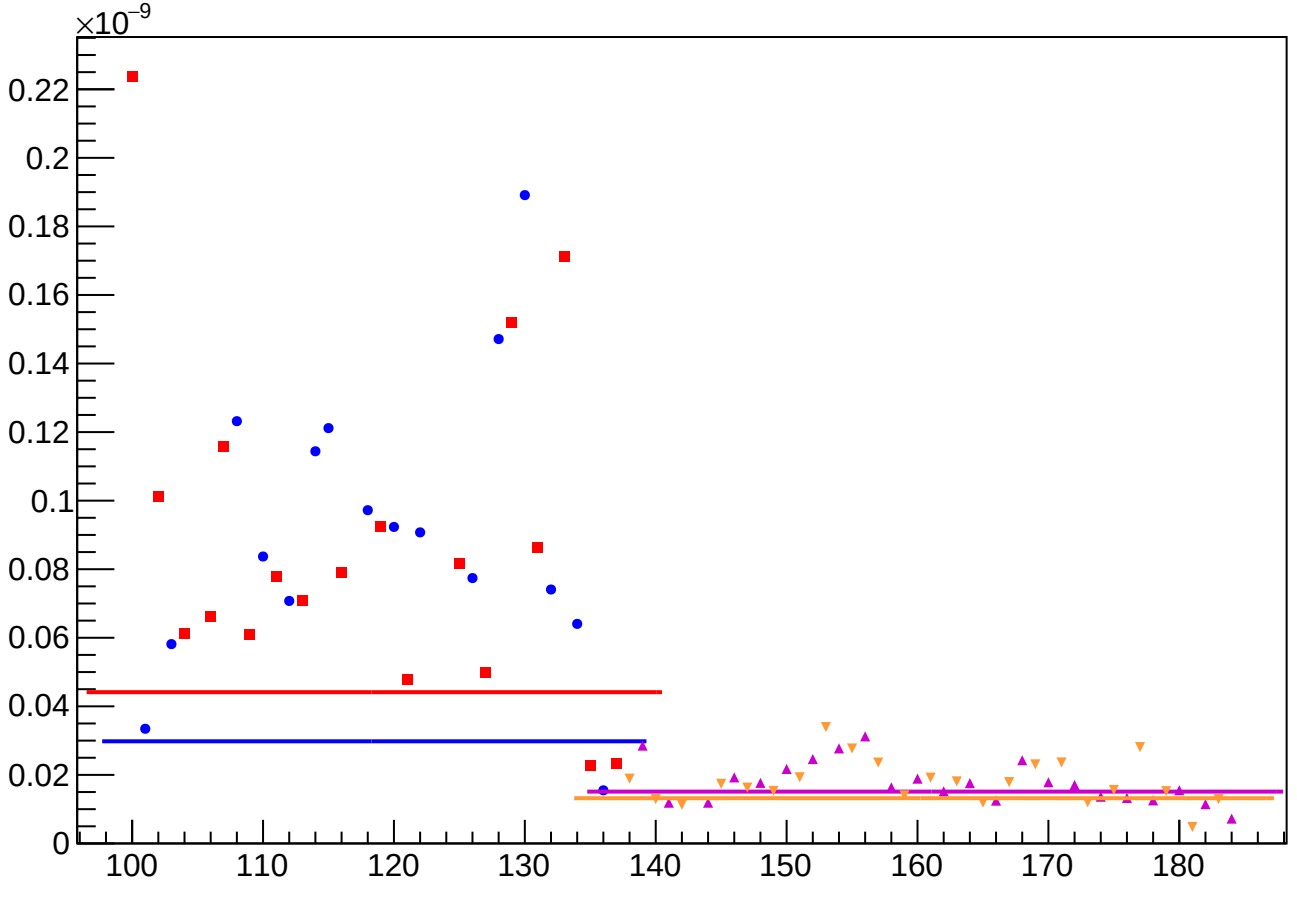
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:41.4/38

Out: 0.000+/-0.000 χ^2/NDF:32.1/40

All: 0.000+/-0.000 χ^2/NDF: 73.6/79

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:2148796.4/22

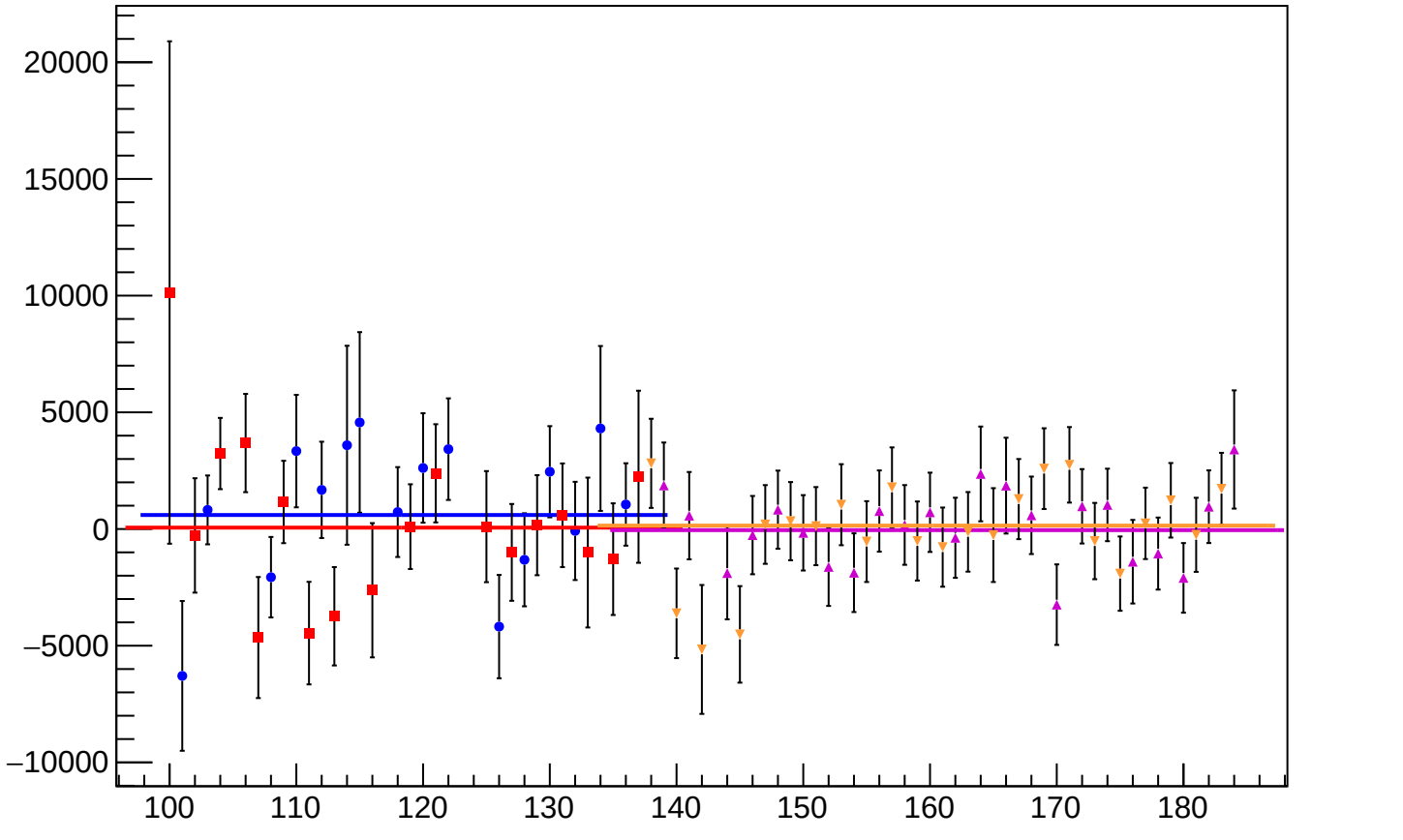
Left: 0.000+/-0.000 χ^2/NDF: 6568633.2/45

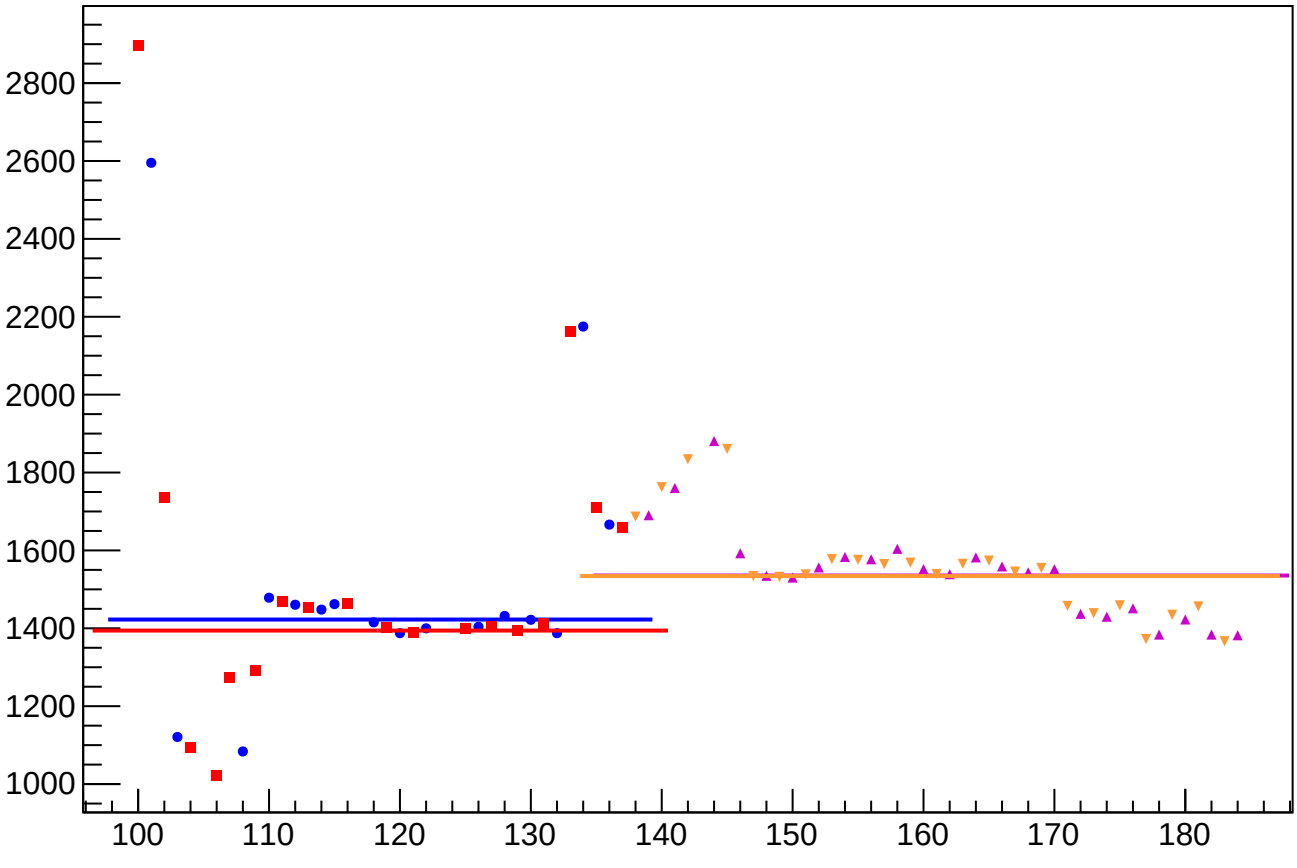
Right: 0.000+/-0.000 χ^2/NDF: 7274202.8/33

In: 0.000+/-0.000 χ^2/NDF:7316924.8/38

Out: 0.000+/-0.000 χ^2/NDF:10033960.5/40

All: 0.000+/-0.000 χ^2/NDF: 17517140.5/79


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: -48.177+/-359.531 χ²/NDF:16.8/22
Left: 49.003+/-254.257 χ²/NDF: 41.8/45
Right: 324.641+/-378.346 χ²/NDF: 43.4/33
In: 150.920+/-299.277 χ²/NDF:38.1/38
Out: 118.774+/-297.618 χ²/NDF:47.4/40
All: 134.758+/-211.032 χ²/NDF: 85.5/79



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: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1534.875+/-0.180 χ^2/NDF: 387038.2/45

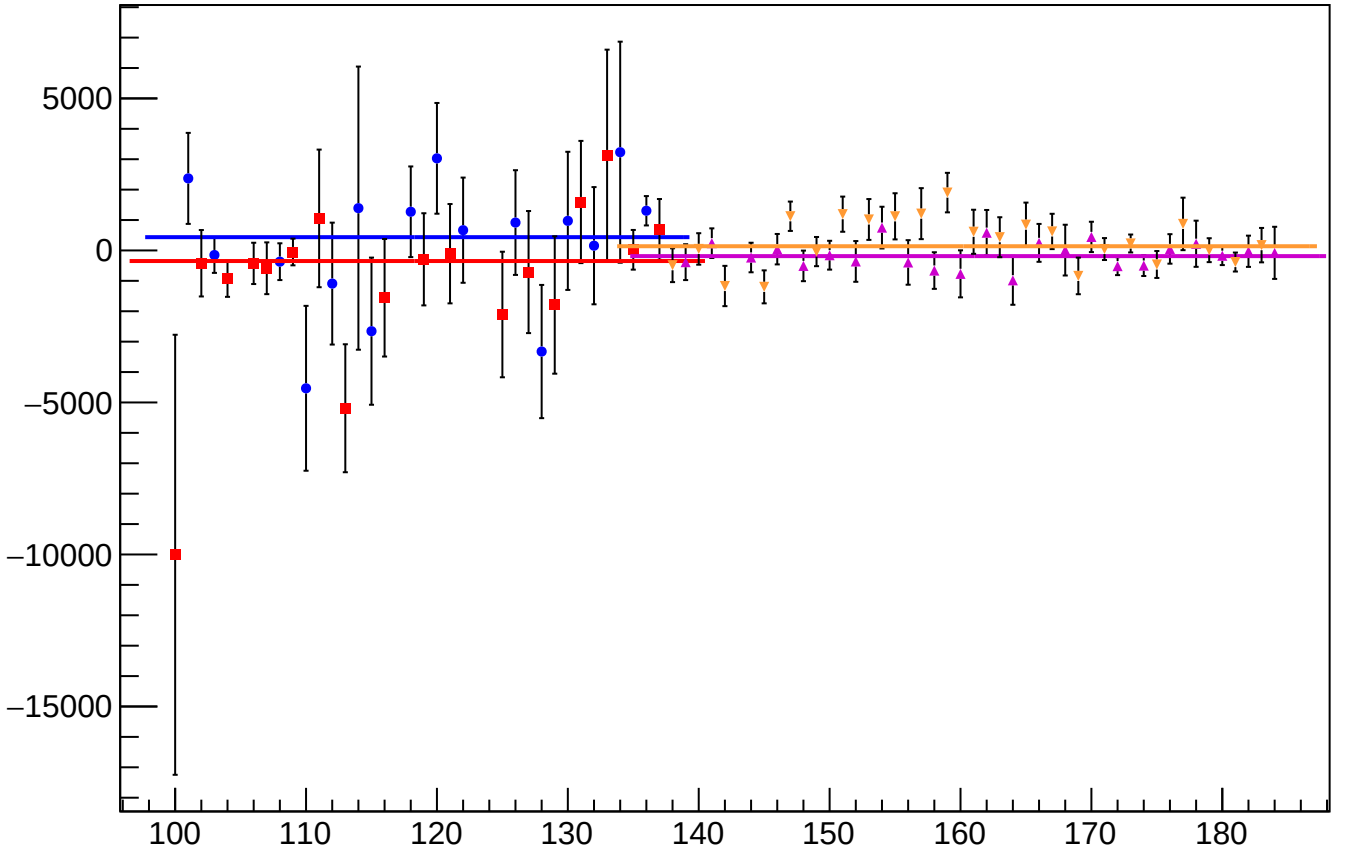
Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1500.838+/-0.212 χ^2/NDF:813402.7/38

Out: 1490.078+/-0.210 χ^2/NDF:683803.0/40

All: 1495.428+/-0.149 χ^2/NDF: 1498505.5/79

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 138.142+/-105.791 χ^2/NDF:41.8/22

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -22.534+/-75.221 χ^2/NDF: 58.1/45

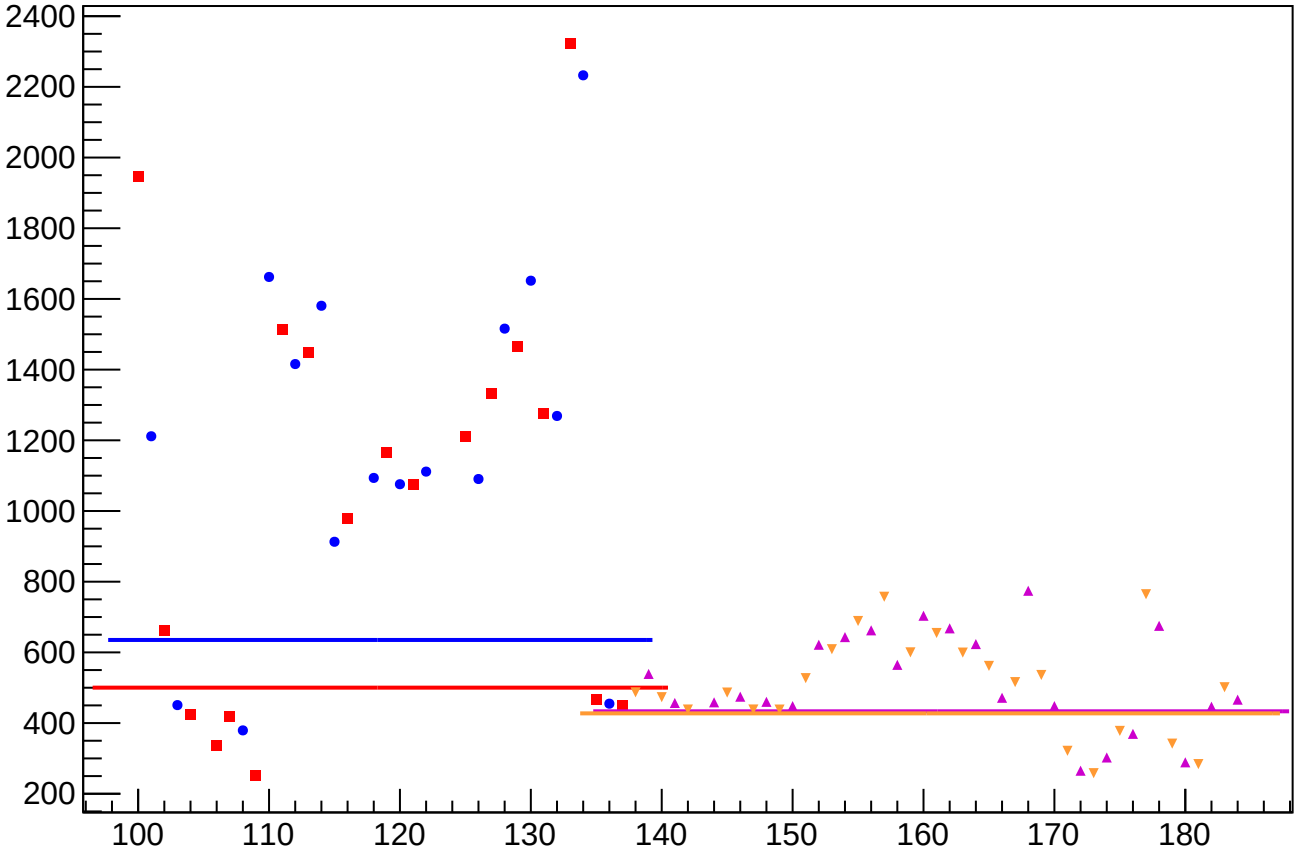
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: -105.373+/-99.741 χ^2/NDF:35.4/38

Out: 55.394+/-96.379 χ^2/NDF:59.3/40

All: -22.234+/-69.309 χ^2/NDF: 96.0/79

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: 433.283+/-0.076 χ^2/NDF:3247998.9/22

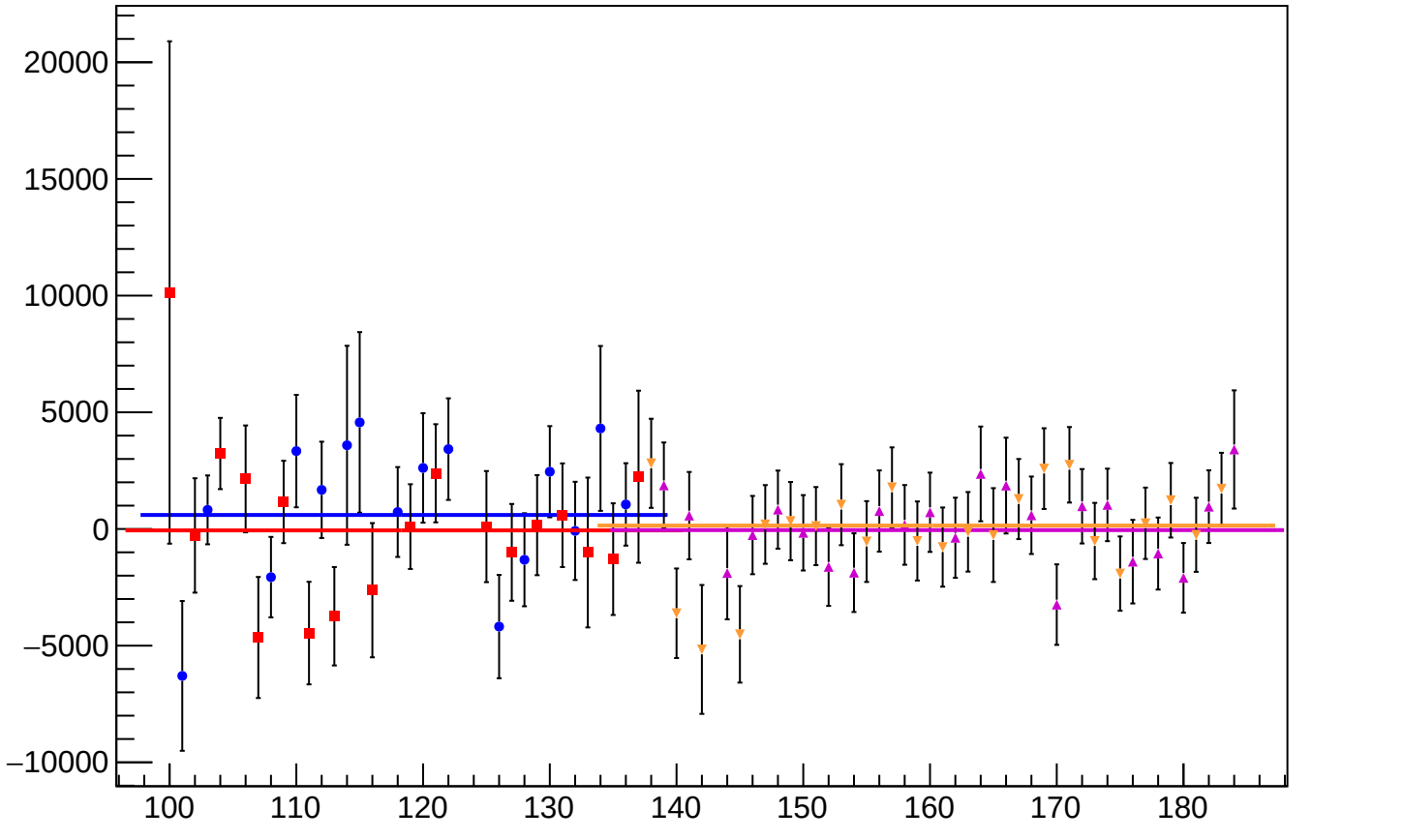
Left: 430.329+/-0.053 χ^2/NDF: 6437356.2/45

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 459.660+/-0.071 χ^2/NDF:7931090.9/38

Out: 439.815+/-0.068 χ^2/NDF:7656416.0/40

All: 449.398+/-0.049 χ^2/NDF: 15628450.5/79


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
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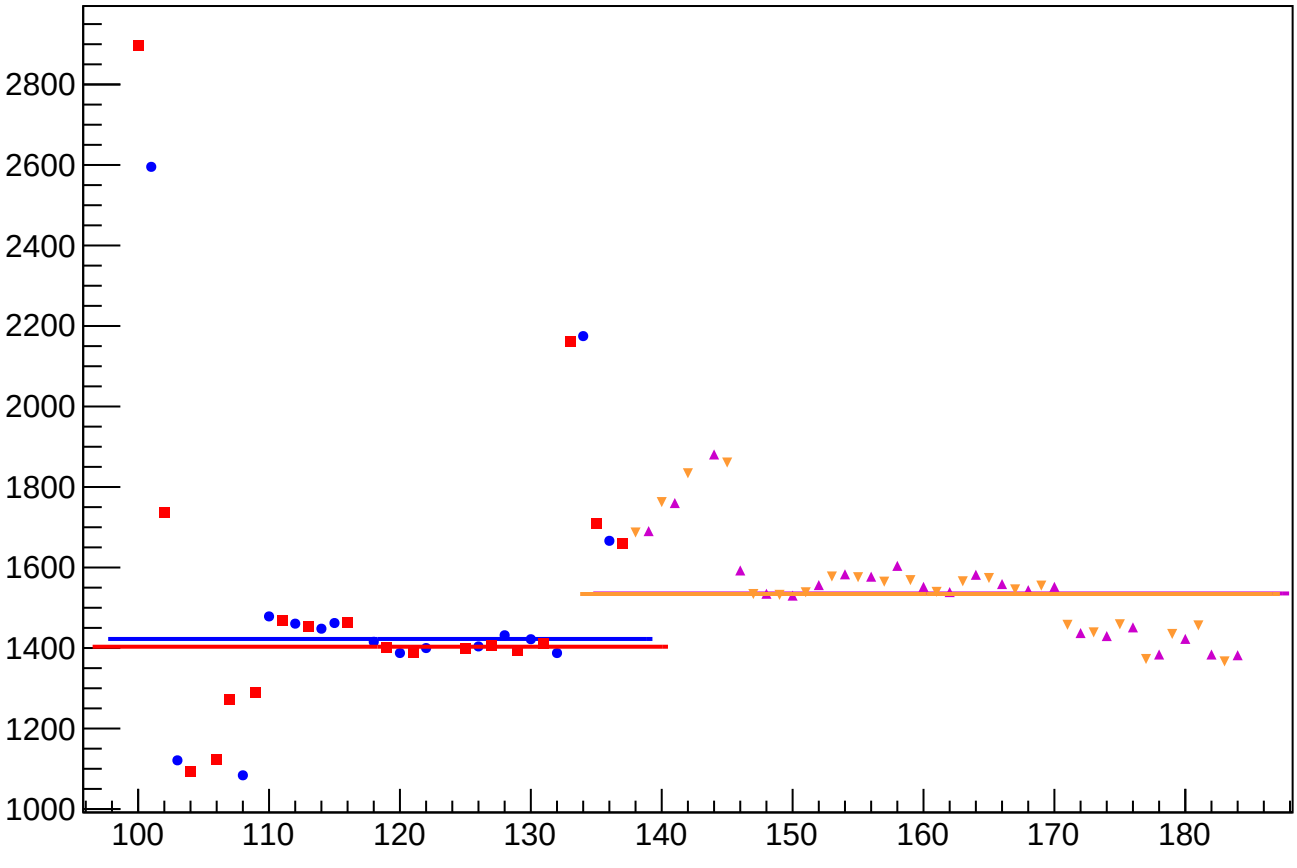
170
180
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: 146.200+/-359.618 χ²/NDF:24.9/22
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 48.948+/-254.257 χ²/NDF: 41.8/45
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 150.826+/-299.277 χ²/NDF:38.1/38
Out: 81.554+/-298.079 χ²/NDF:45.3/40
All: 116.051+/-211.196 χ²/NDF: 83.5/79



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: 1535.551+/-0.254 χ^2/NDF:192432.7/22

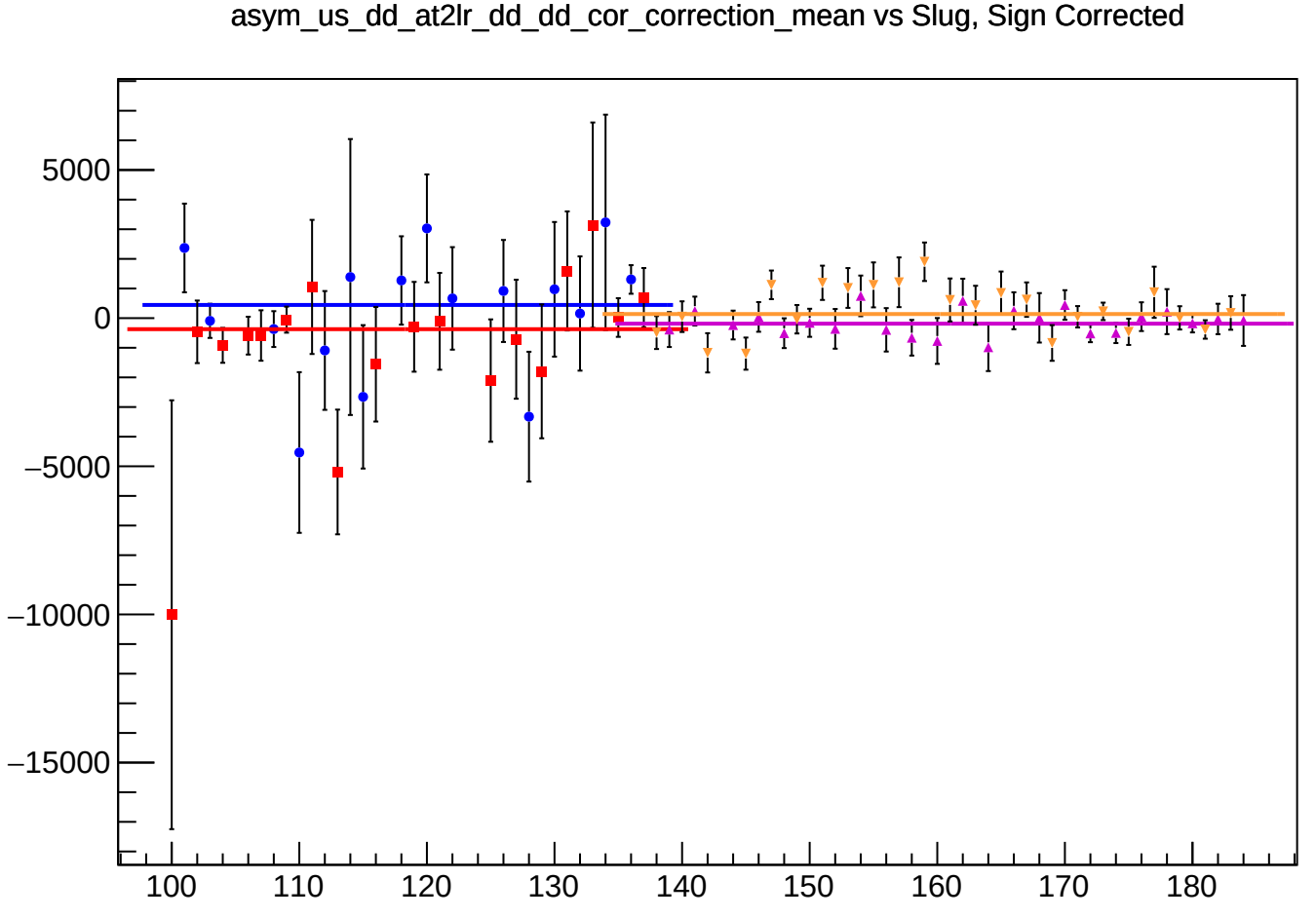
Left: 1534.875+/-0.180 χ^2/NDF: 387038.1/45

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1500.838+/-0.212 χ^2/NDF:813403.0/38

Out: 1493.207+/-0.211 χ^2/NDF:636737.2/40

All: 1497.007+/-0.149 χ^2/NDF: 1450793.0/79



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: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -22.638+/-75.221 χ^2/NDF: 58.1/45

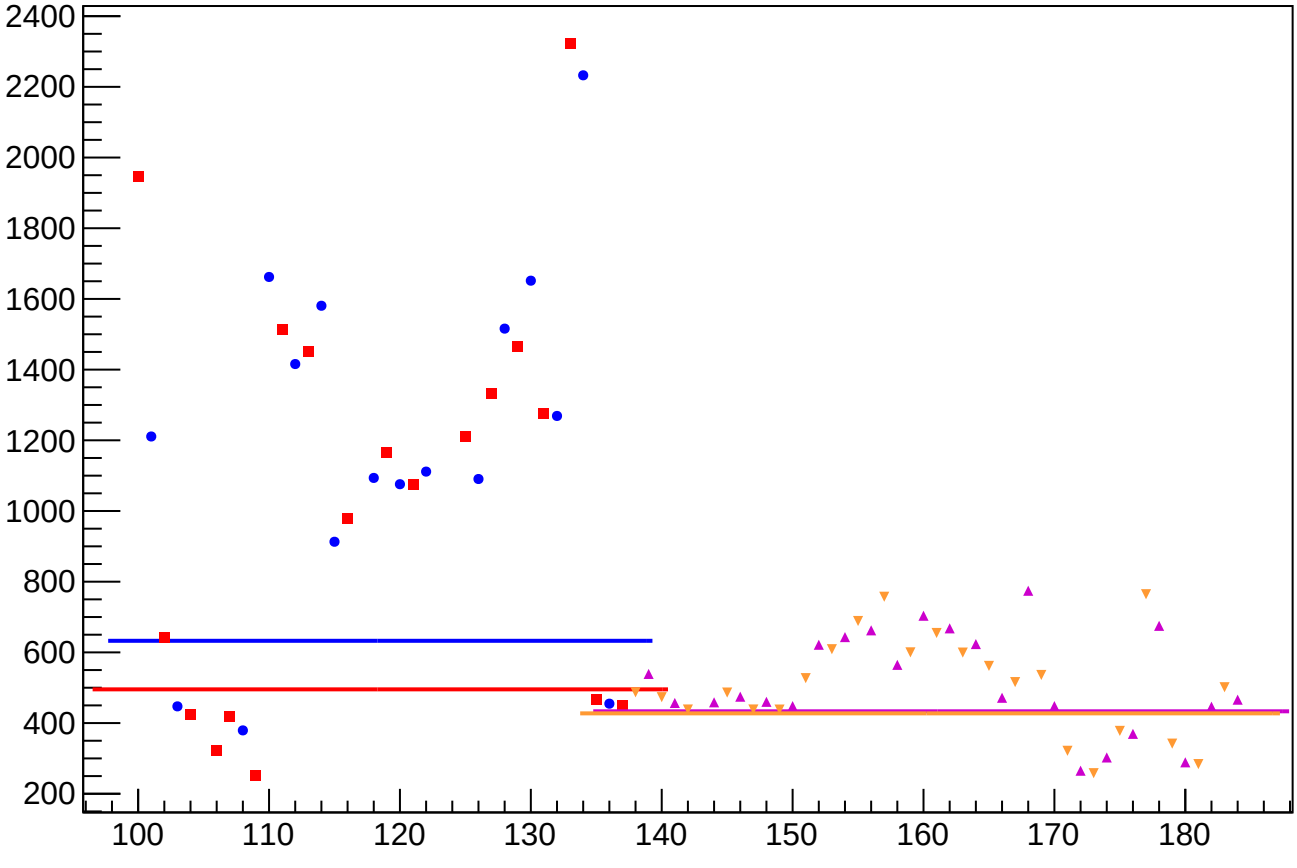
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -103.812+/-99.685 χ^2/NDF:35.4/38

Out: 49.825+/-96.210 χ^2/NDF:59.8/40

All: -24.268+/-69.227 χ^2/NDF: 96.5/79

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: 433.285+/-0.076 χ^2/NDF:3247871.5/22

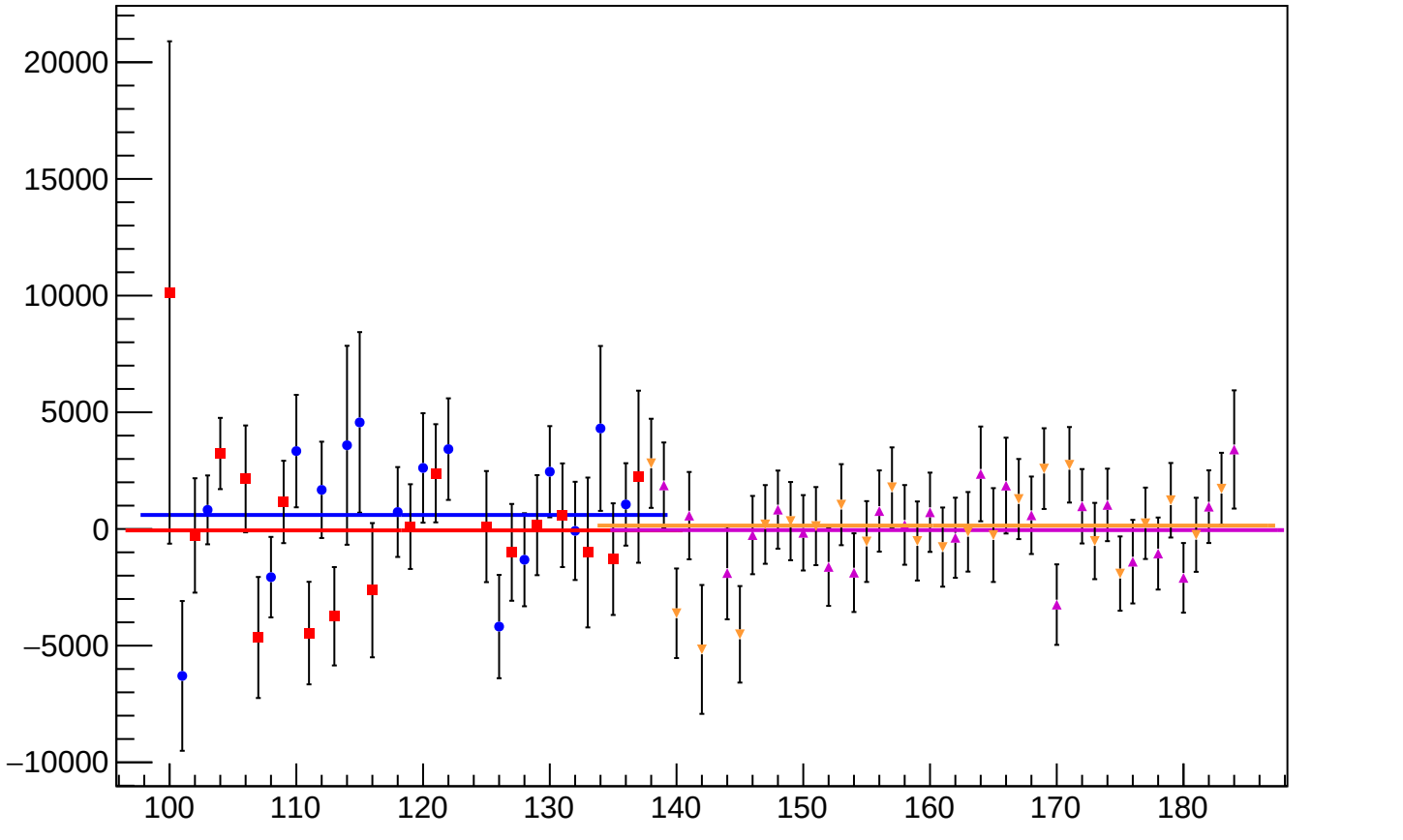
Left: 430.330+/-0.053 χ^2/NDF: 6437465.7/45

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 459.545+/-0.070 χ^2/NDF:7931054.0/38

Out: 439.189+/-0.068 χ^2/NDF:7666711.3/40

All: 449.006+/-0.049 χ^2/NDF: 15640944.8/79


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
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130
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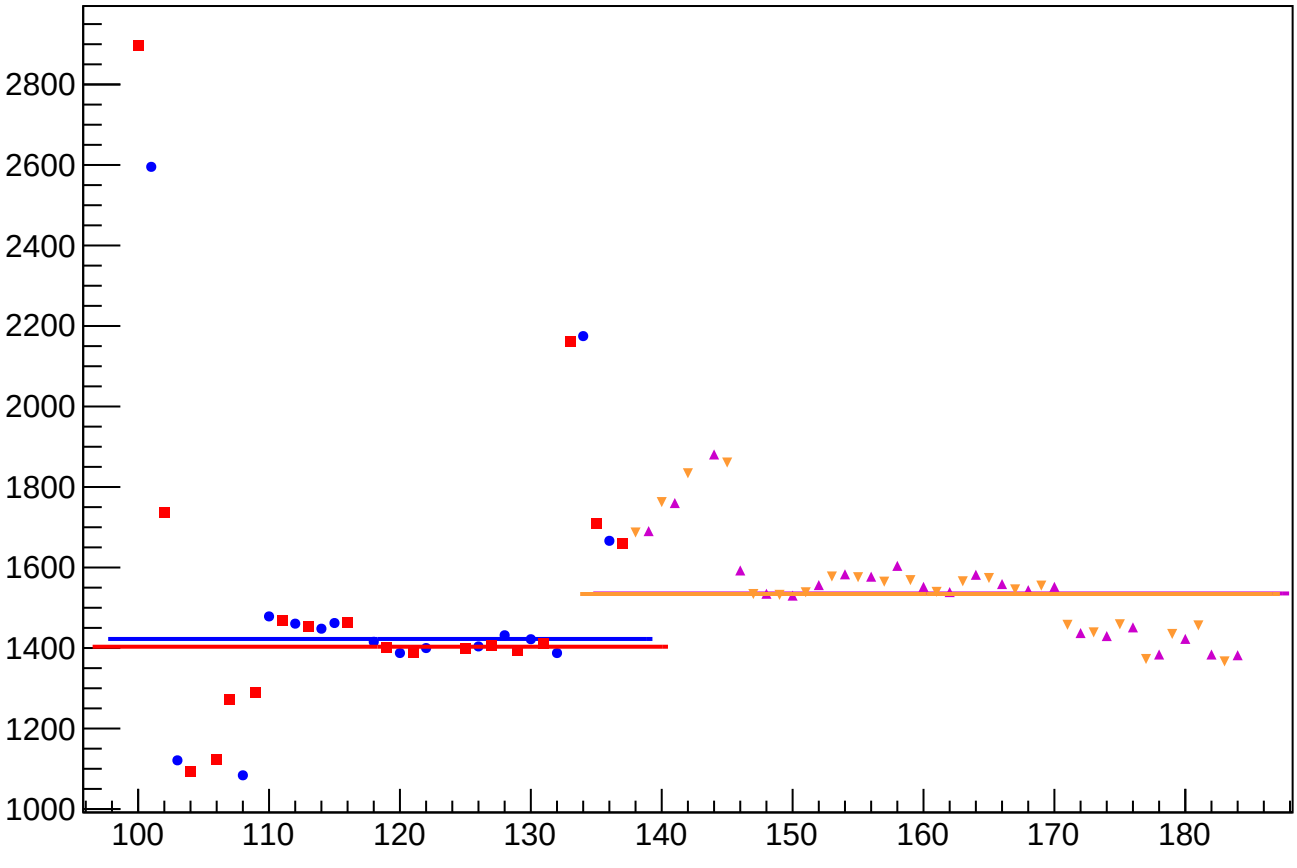
150
160
170
180
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: 146.200+/-359.618 χ²/NDF:24.9/22
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 48.948+/-254.257 χ²/NDF: 41.8/45
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 150.826+/-299.277 χ²/NDF:38.1/38
Out: 81.554+/-298.079 χ²/NDF:45.3/40
All: 116.051+/-211.196 χ²/NDF: 83.5/79



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: 1535.551+/-0.254 χ^2/NDF:192432.7/22

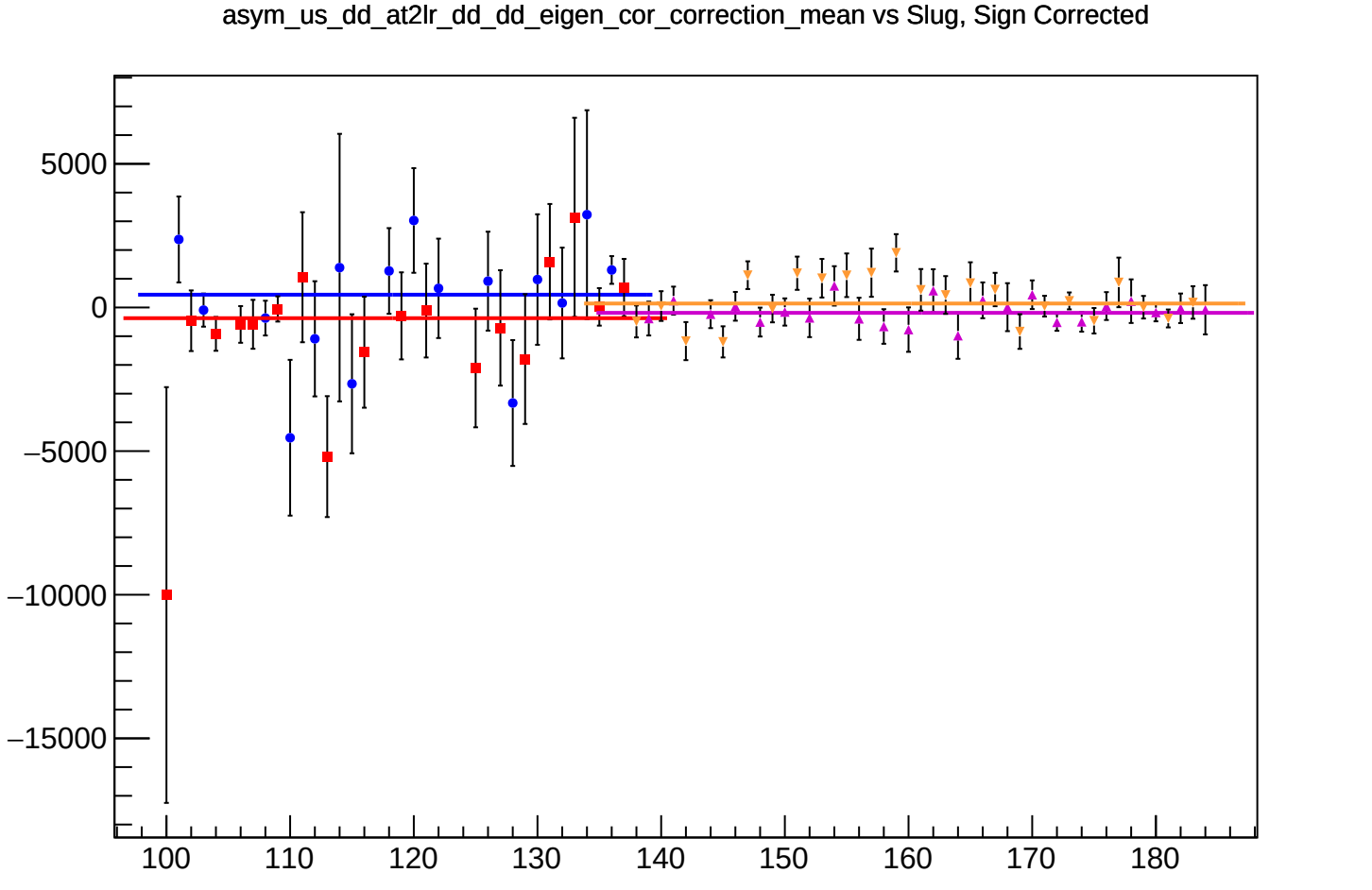
Left: 1534.875+/-0.180 χ^2/NDF: 387038.1/45

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1500.838+/-0.212 χ^2/NDF:813403.0/38

Out: 1493.207+/-0.211 χ^2/NDF:636737.2/40

All: 1497.007+/-0.149 χ^2/NDF: 1450793.0/79



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: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -22.638+/-75.221 χ^2/NDF: 58.1/45

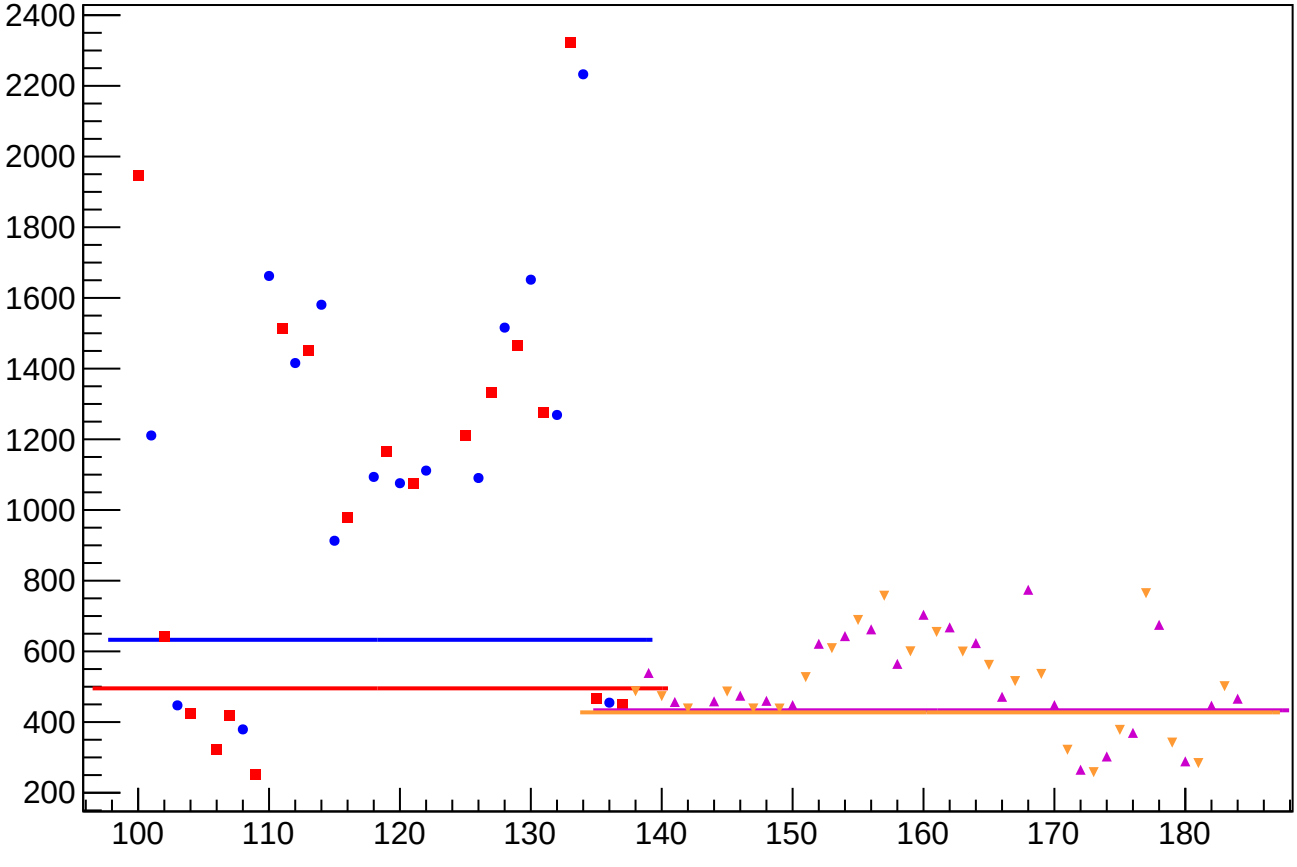
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -103.812+/-99.685 χ^2/NDF:35.4/38

Out: 49.825+/-96.210 χ^2/NDF:59.8/40

All: -24.268+/-69.227 χ^2/NDF: 96.5/79

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: 433.285+/-0.076 χ^2/NDF:3247871.5/22

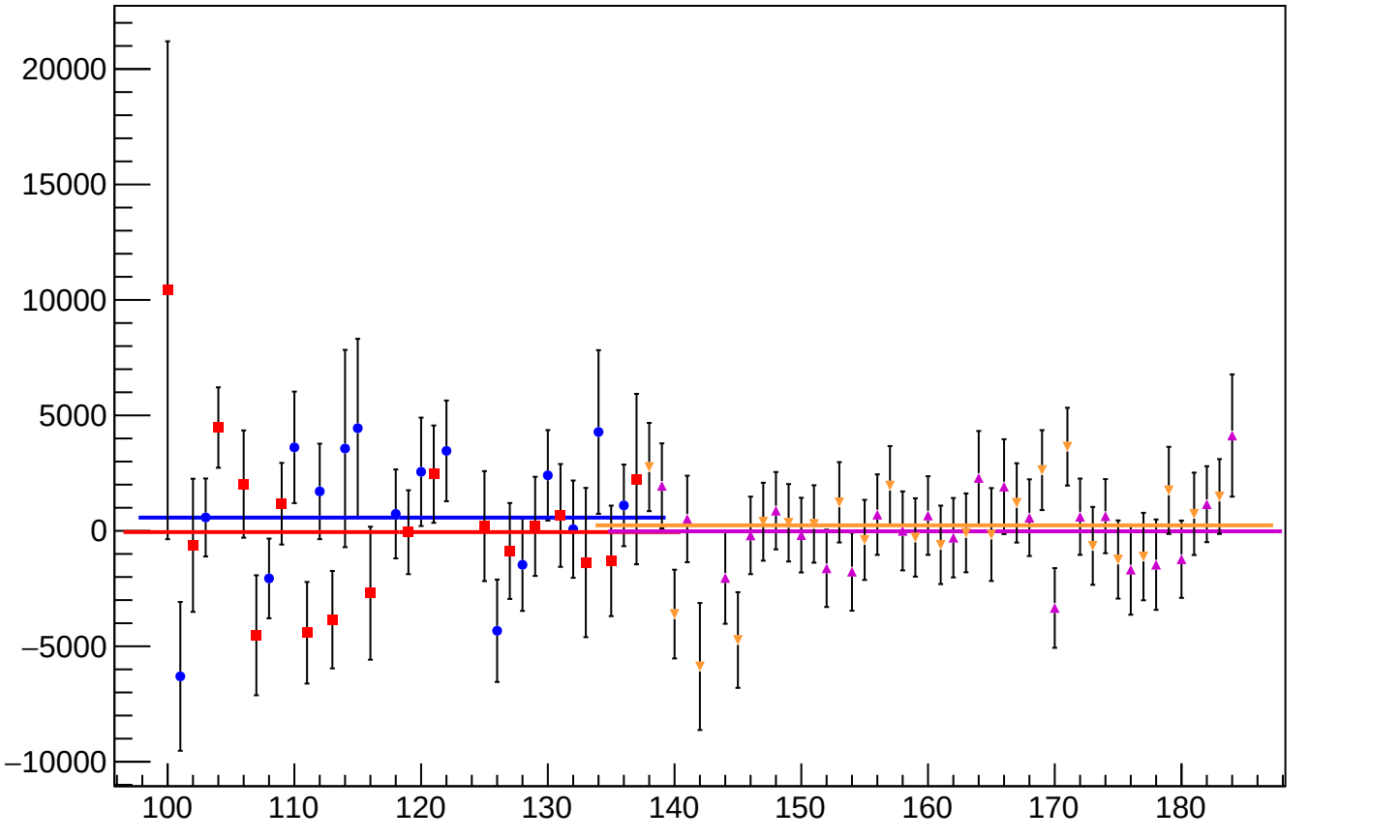
Left: 430.330+/-0.053 χ^2/NDF: 6437465.7/45

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 459.545+/-0.070 χ^2/NDF:7931054.0/38

Out: 439.189+/-0.068 χ^2/NDF:7666711.3/40

All: 449.006+/-0.049 χ^2/NDF: 15640944.8/79


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
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−10000
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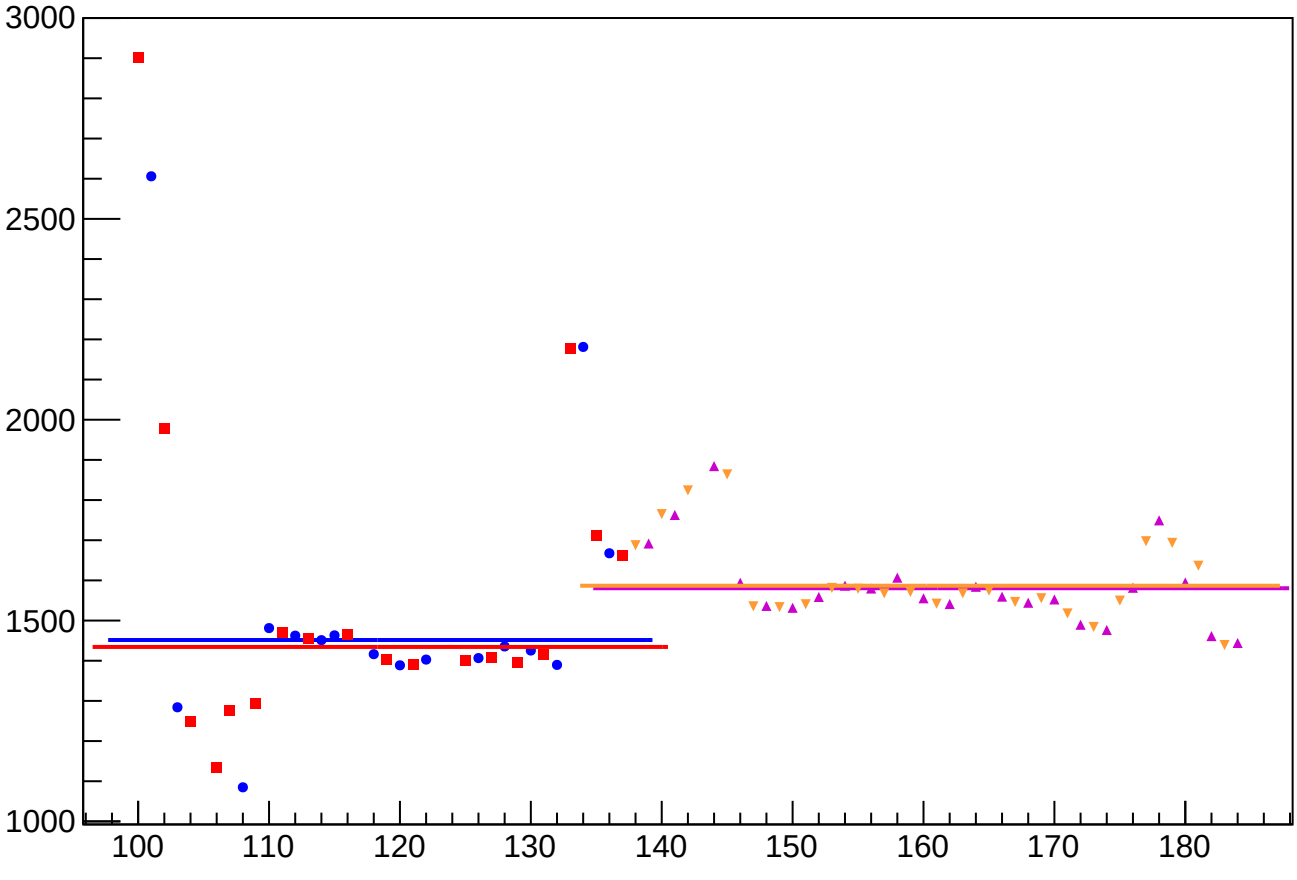
Right In: 572.289+/-549.638 χ²/NDF: 20.8/15
Left Out: 238.014+/-371.656 χ²/NDF:27.5/22
Right Out: -53.754+/-545.353 χ²/NDF: 22.5/17
Left In: -20.252+/-369.781 χ²/NDF:16.0/22
Left: 108.228+/-262.135 χ²/NDF: 43.7/45
Right: 256.817+/-387.129 χ²/NDF: 43.9/33
In: 164.378+/-306.809 χ²/NDF:37.6/38
Out: 145.482+/-307.118 χ²/NDF:50.2/40
All: 154.939+/-217.056 χ²/NDF: 87.8/79



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: 1580.464+/-0.261 χ^2/NDF:125745.6/22

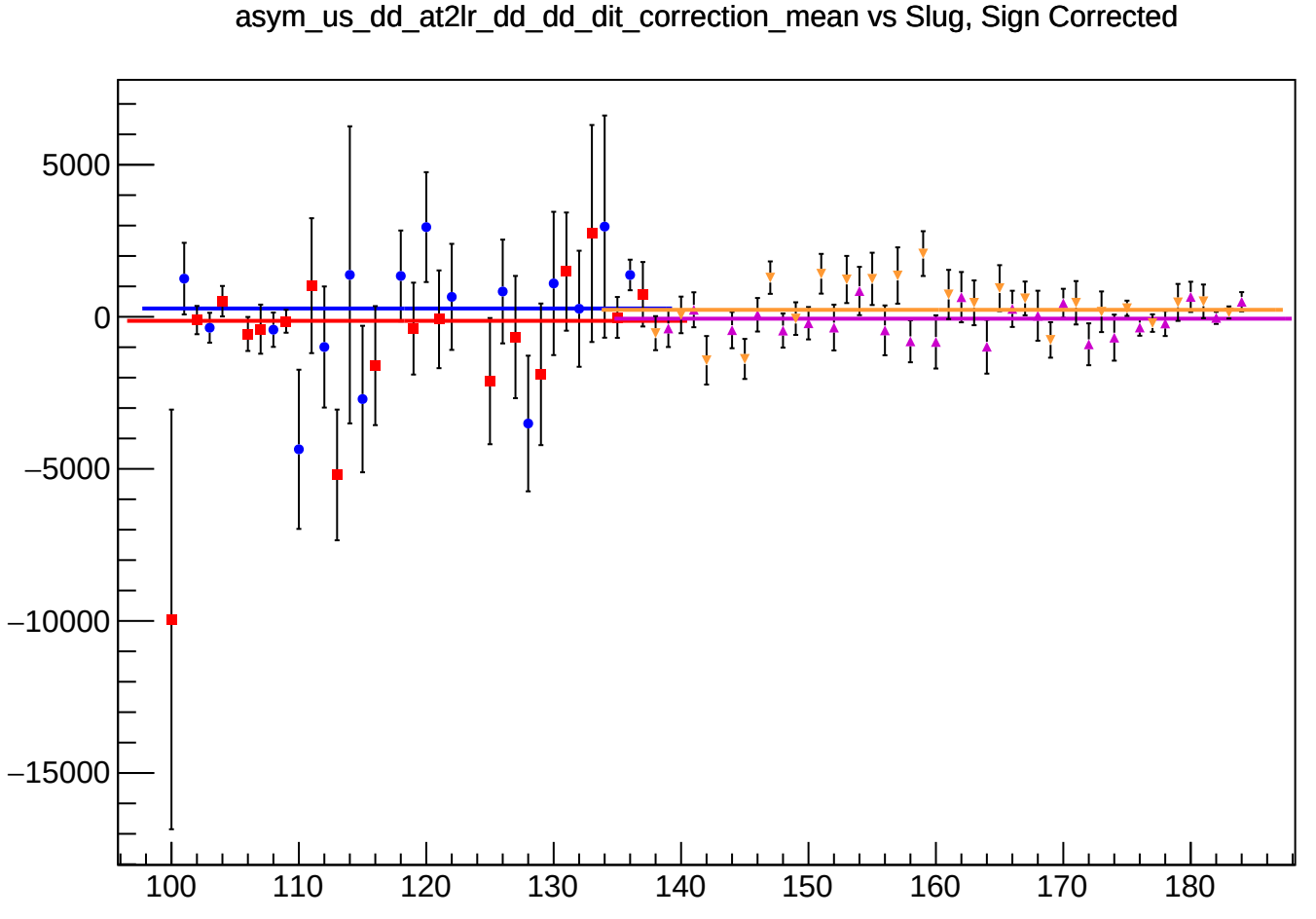
Left: 1583.583+/-0.185 χ^2/NDF: 251924.1/45

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1540.305+/-0.217 χ^2/NDF:689288.3/38

Out: 1538.396+/-0.217 χ^2/NDF:561153.1/40

All: 1539.352+/-0.153 χ^2/NDF: 1250480.1/79



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: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 83.239+/-70.585 χ^2/NDF: 59.7/45

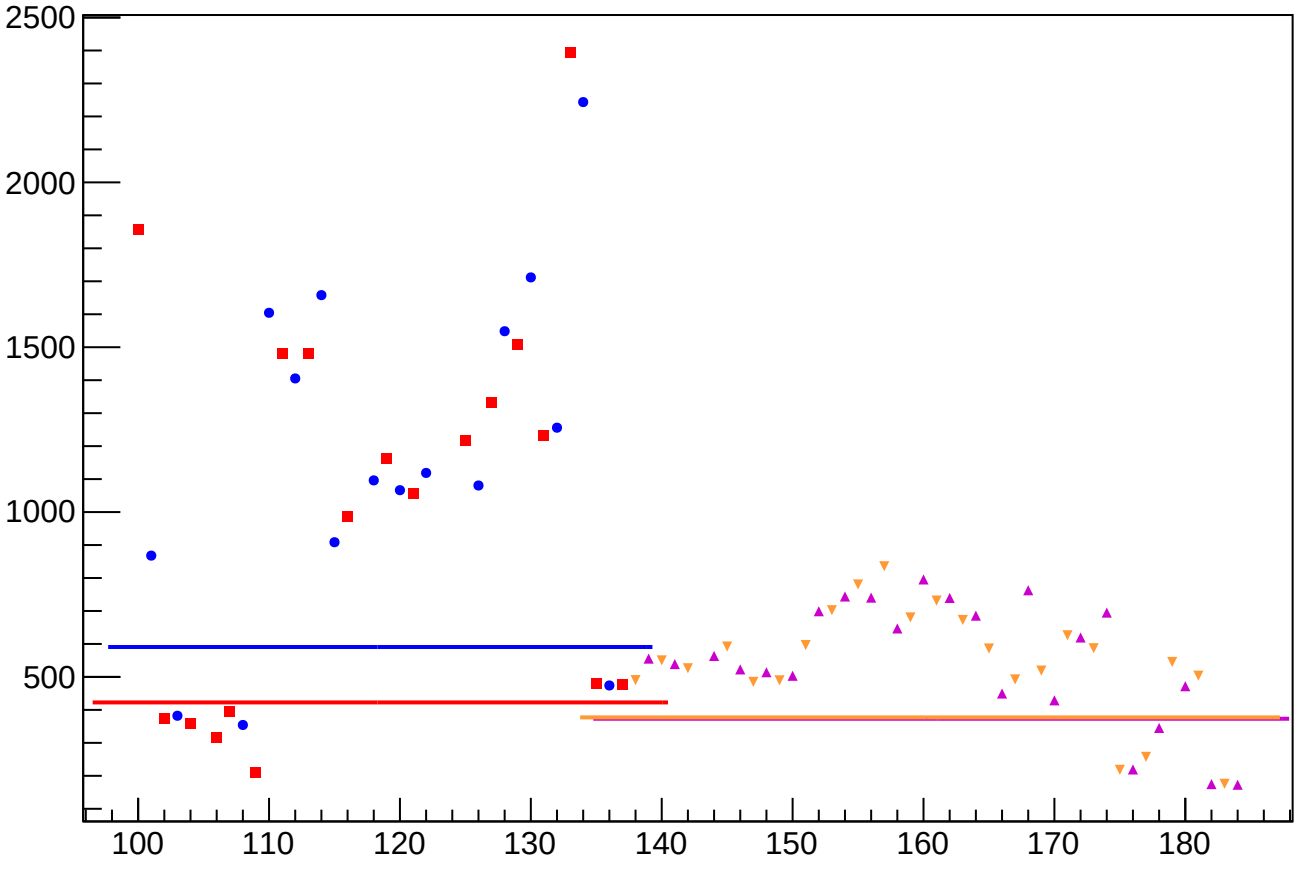
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -19.300+/-93.129 χ^2/NDF:38.7/38

Out: 154.584+/-89.019 χ^2/NDF:55.6/40

All: 71.564+/-64.350 χ^2/NDF: 96.1/79

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: 373.140+/-0.071 χ^2/NDF:8207354.5/22

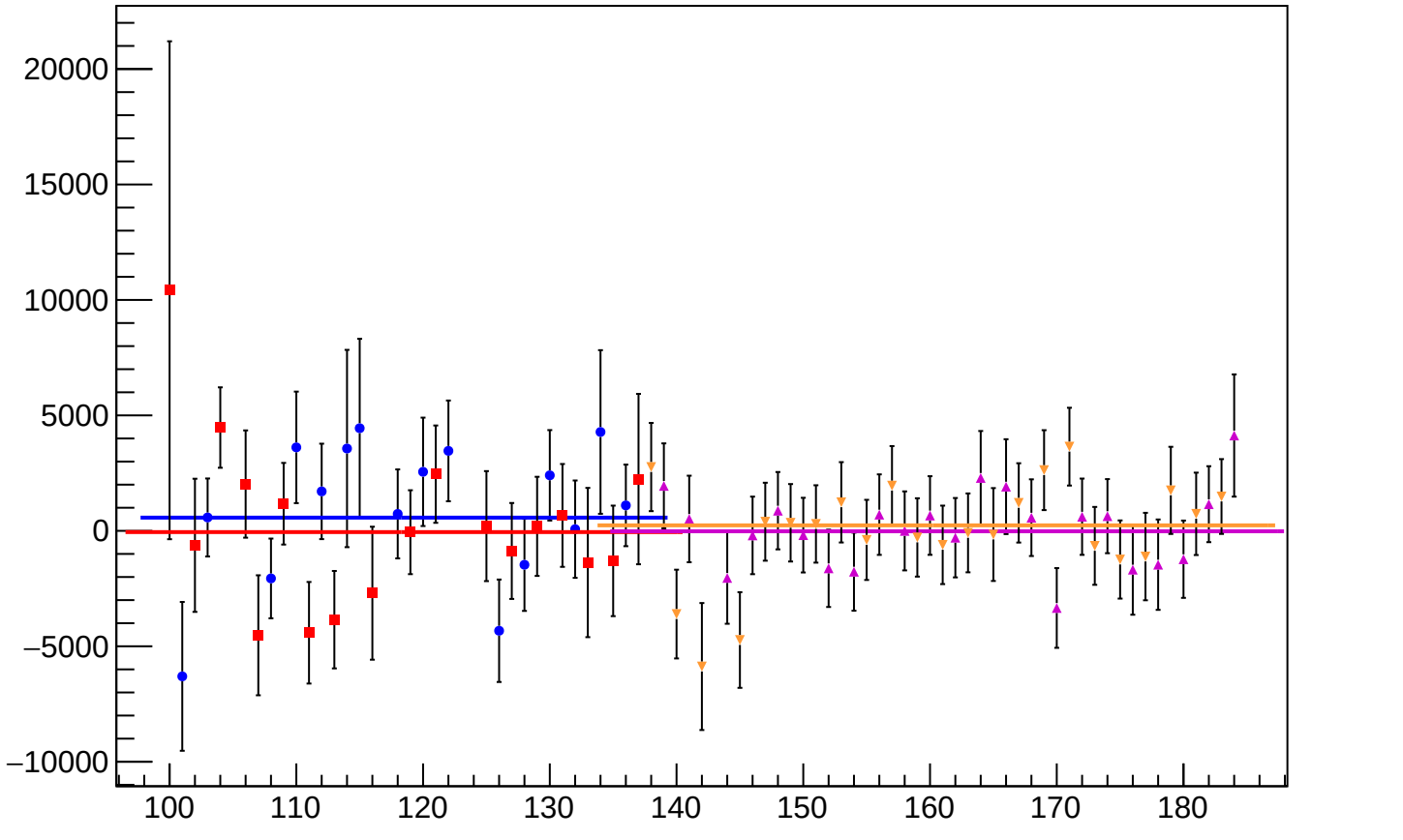
Left: 375.178+/-0.050 χ^2/NDF: 15733835.4/45

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 400.944+/-0.066 χ^2/NDF:13309815.1/38

Out: 386.597+/-0.063 χ^2/NDF:12468052.2/40

All: 393.447+/-0.046 χ^2/NDF: 25802672.8/79


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
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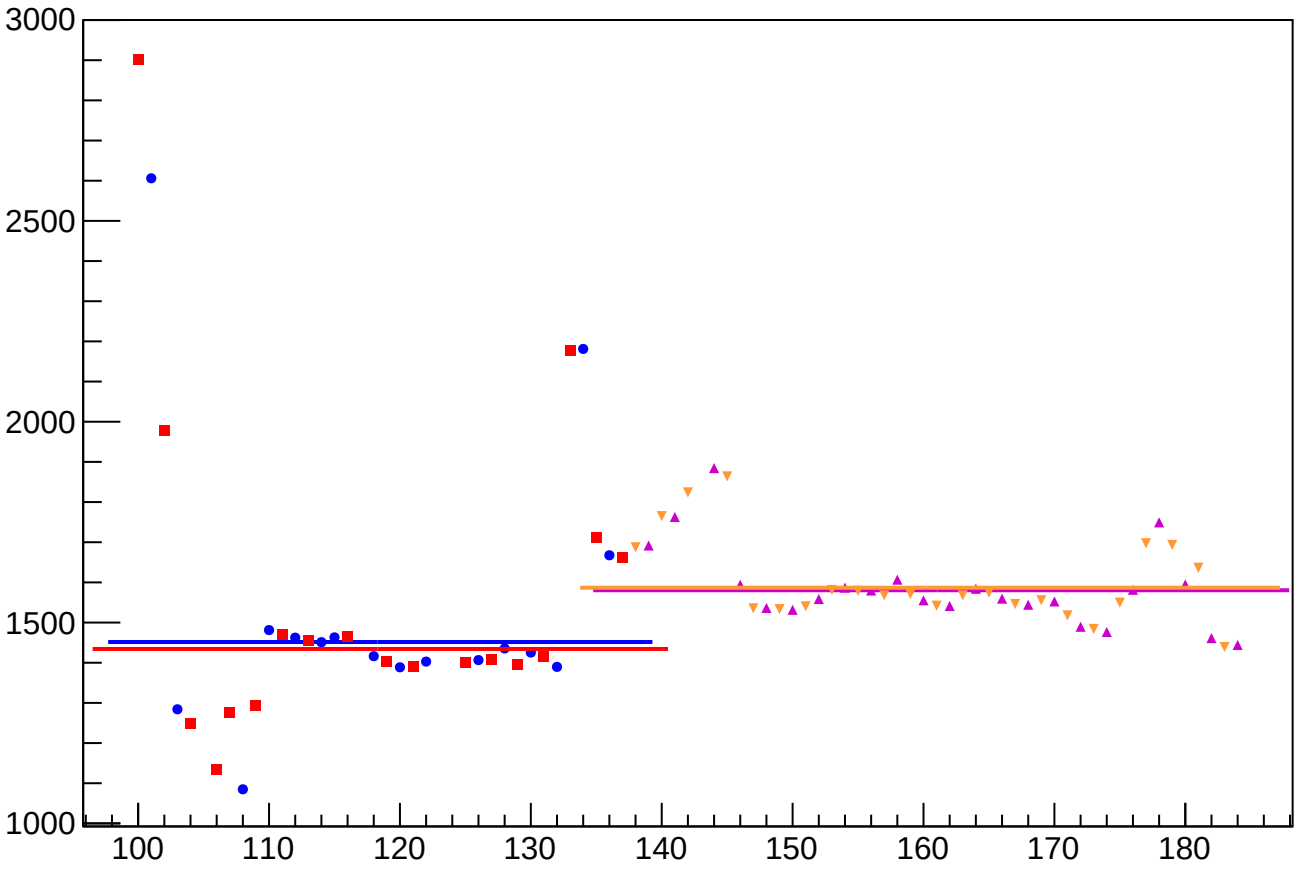
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: 238.010+/-371.656 χ²/NDF:27.5/22
Right Out: -53.752+/-545.353 χ²/NDF: 22.5/17
Left In: -20.250+/-369.781 χ²/NDF:16.0/22
Left: 108.227+/-262.135 χ²/NDF: 43.7/45
Right: 256.819+/-387.129 χ²/NDF: 43.9/33
In: 164.379+/-306.809 χ²/NDF:37.6/38
Out: 145.480+/-307.118 χ²/NDF:50.2/40
All: 154.939+/-217.056 χ²/NDF: 87.8/79



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: 1580.464+/-0.261 χ^2/NDF:125745.6/22

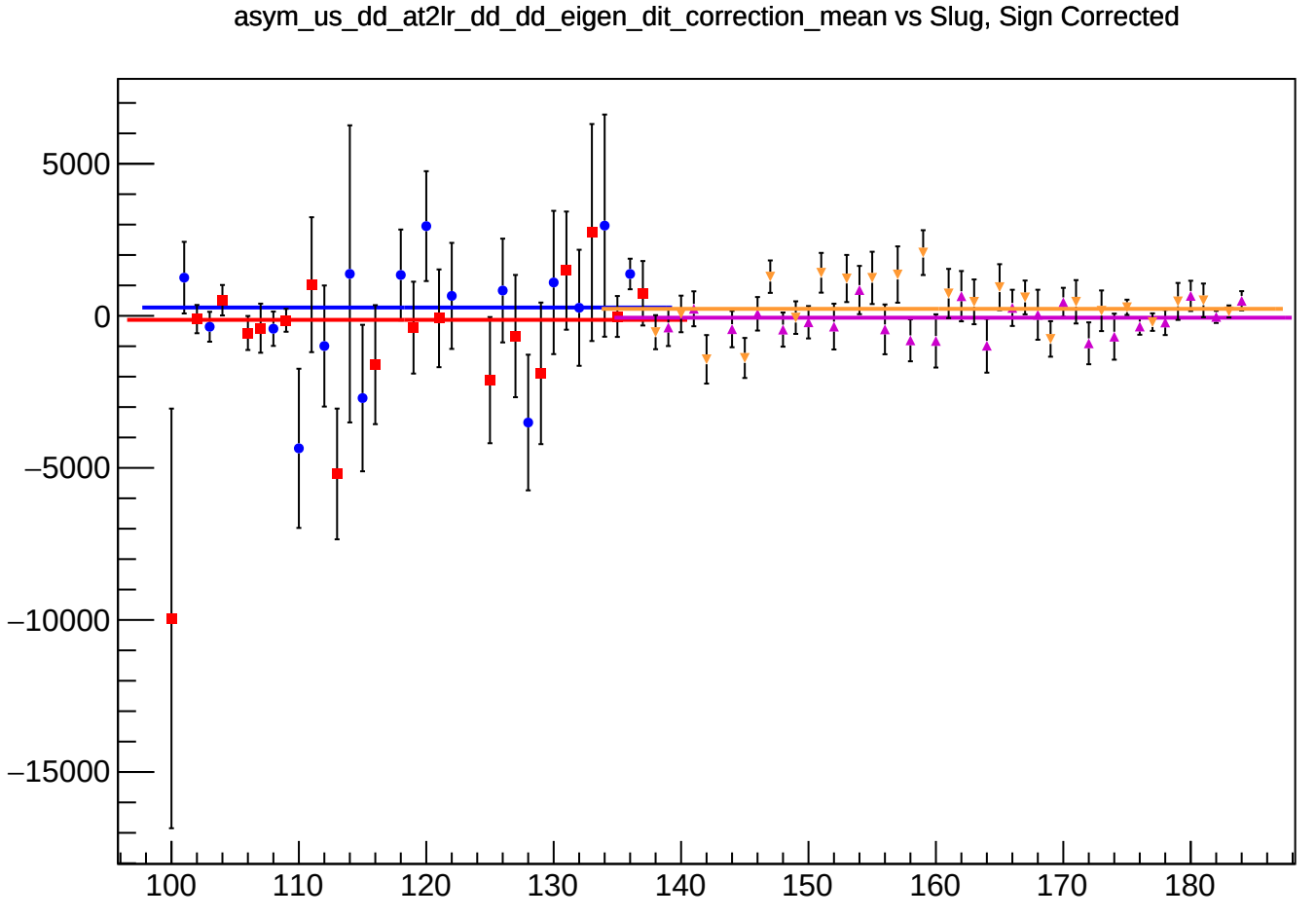
Left: 1583.582+/-0.185 χ^2/NDF: 251924.4/45

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1540.305+/-0.217 χ^2/NDF:689287.5/38

Out: 1538.396+/-0.217 χ^2/NDF:561153.2/40

All: 1539.351+/-0.153 χ^2/NDF: 1250479.4/79



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: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 83.243+/-70.585 χ^2/NDF: 59.7/45

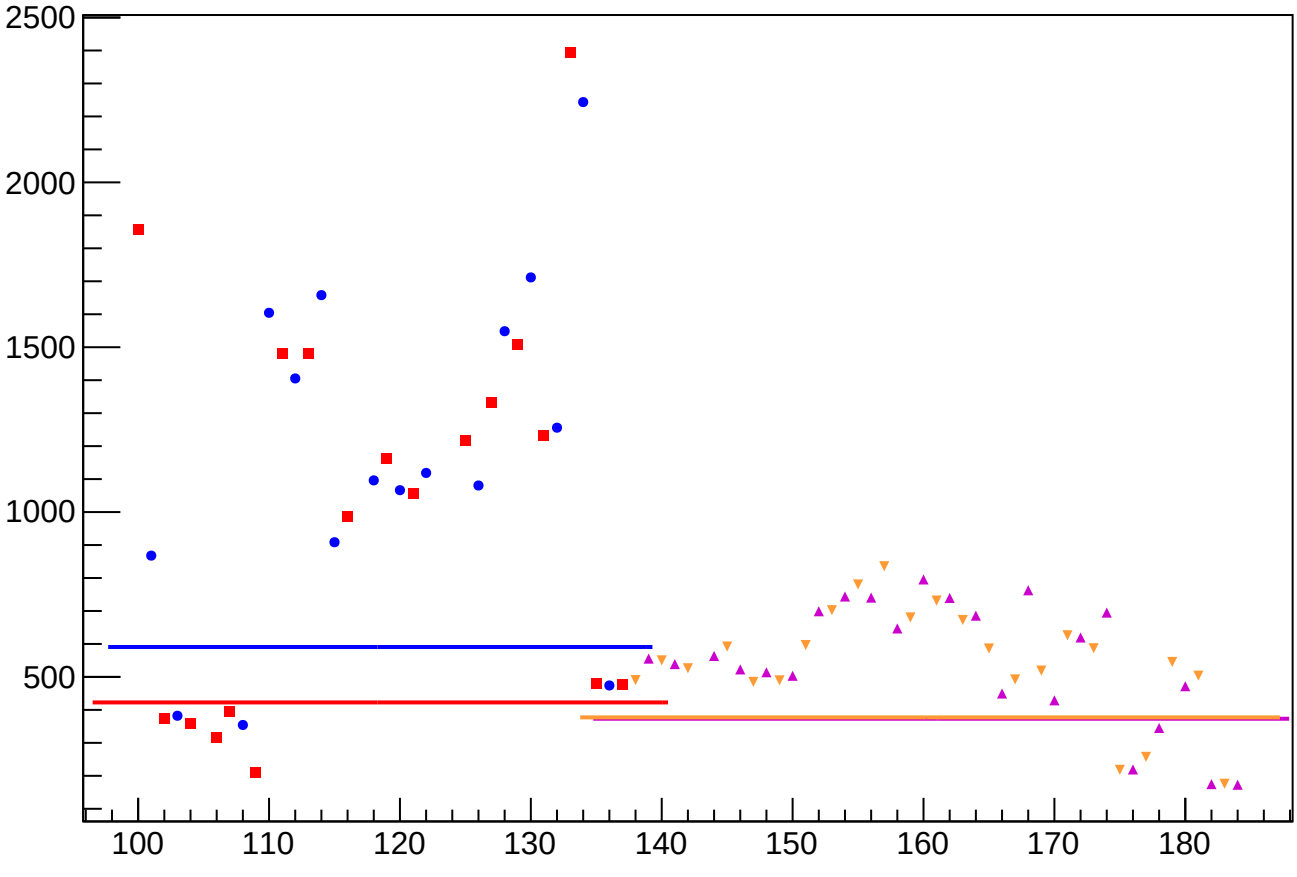
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -19.299+/-93.130 χ^2/NDF:38.7/38

Out: 154.589+/-89.019 χ^2/NDF:55.6/40

All: 71.567+/-64.350 χ^2/NDF: 96.1/79

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 377.228+/-0.071 χ^2/NDF:7524631.7/22

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

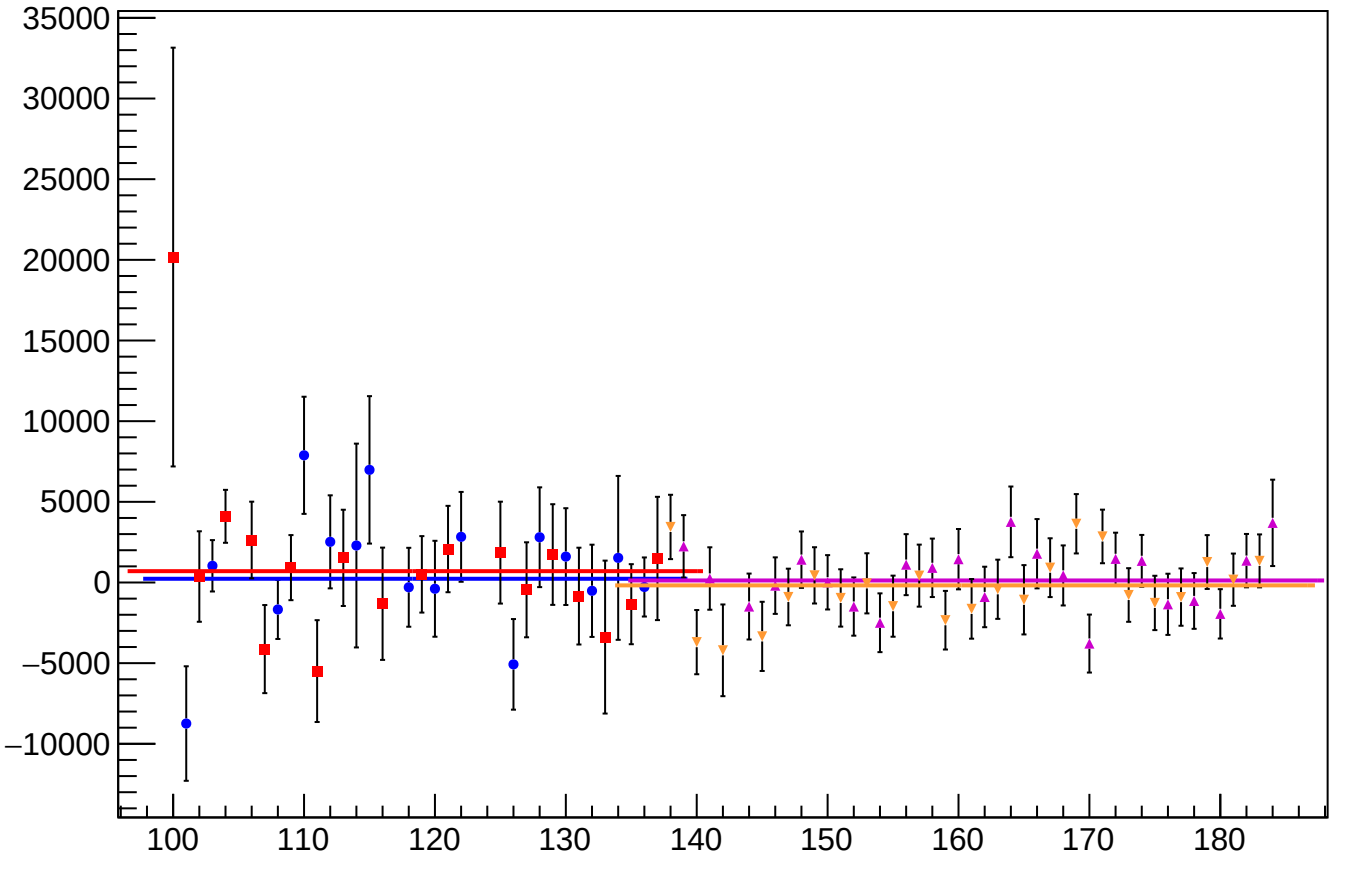
Left: 375.182+/-0.050 χ^2/NDF: 15733415.8/45

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 400.949+/-0.066 χ^2/NDF:13309527.4/38

Out: 386.601+/-0.063 χ^2/NDF:12467799.7/40

All: 393.451+/-0.046 χ^2/NDF: 25802132.5/79



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: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -26.012+/-269.763 χ^2/NDF: 45.8/45

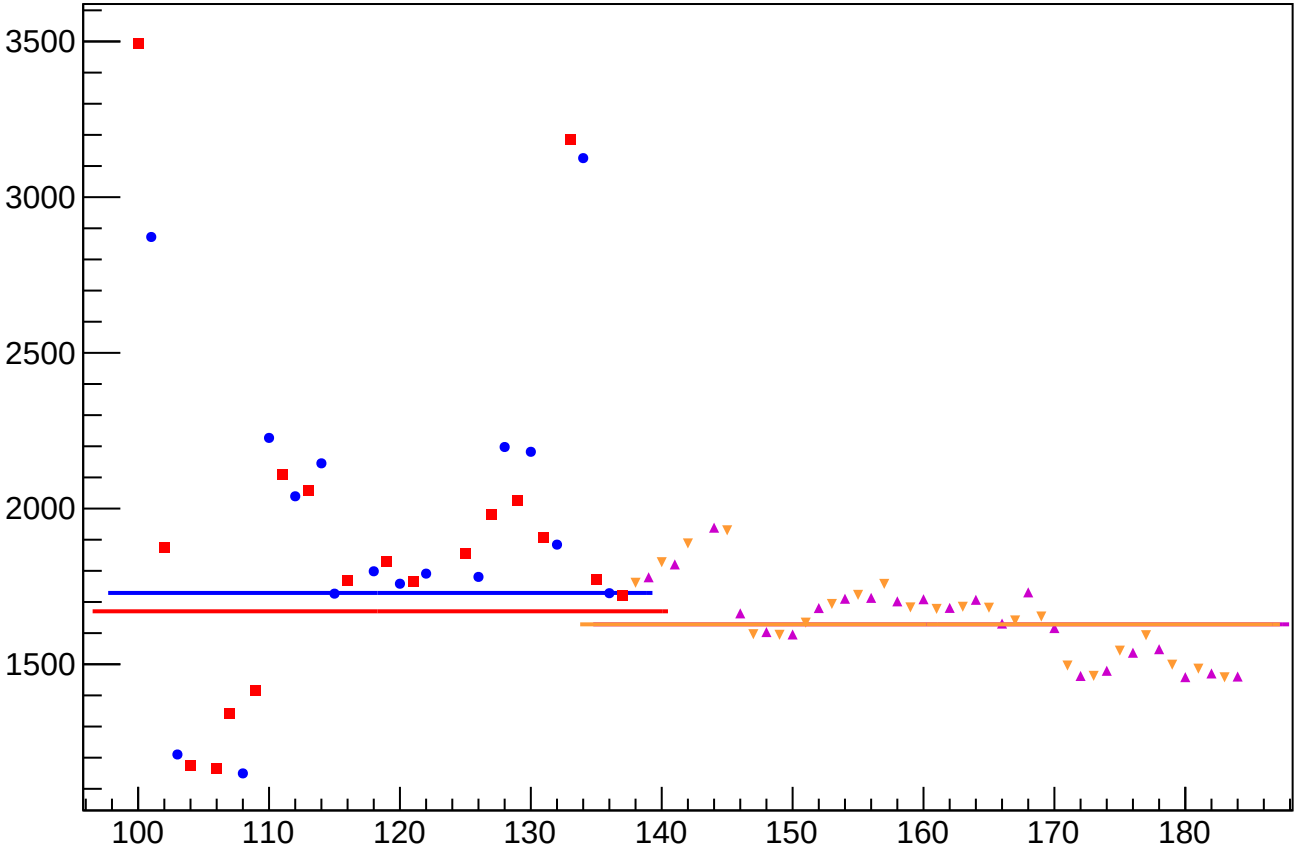
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 151.934+/-330.938 χ^2/NDF:42.0/38

Out: 48.250+/-328.925 χ^2/NDF:42.6/40

All: 99.776+/-233.294 χ^2/NDF: 84.7/79

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: 1628.221+/-0.270 χ^2/NDF:204880.6/22

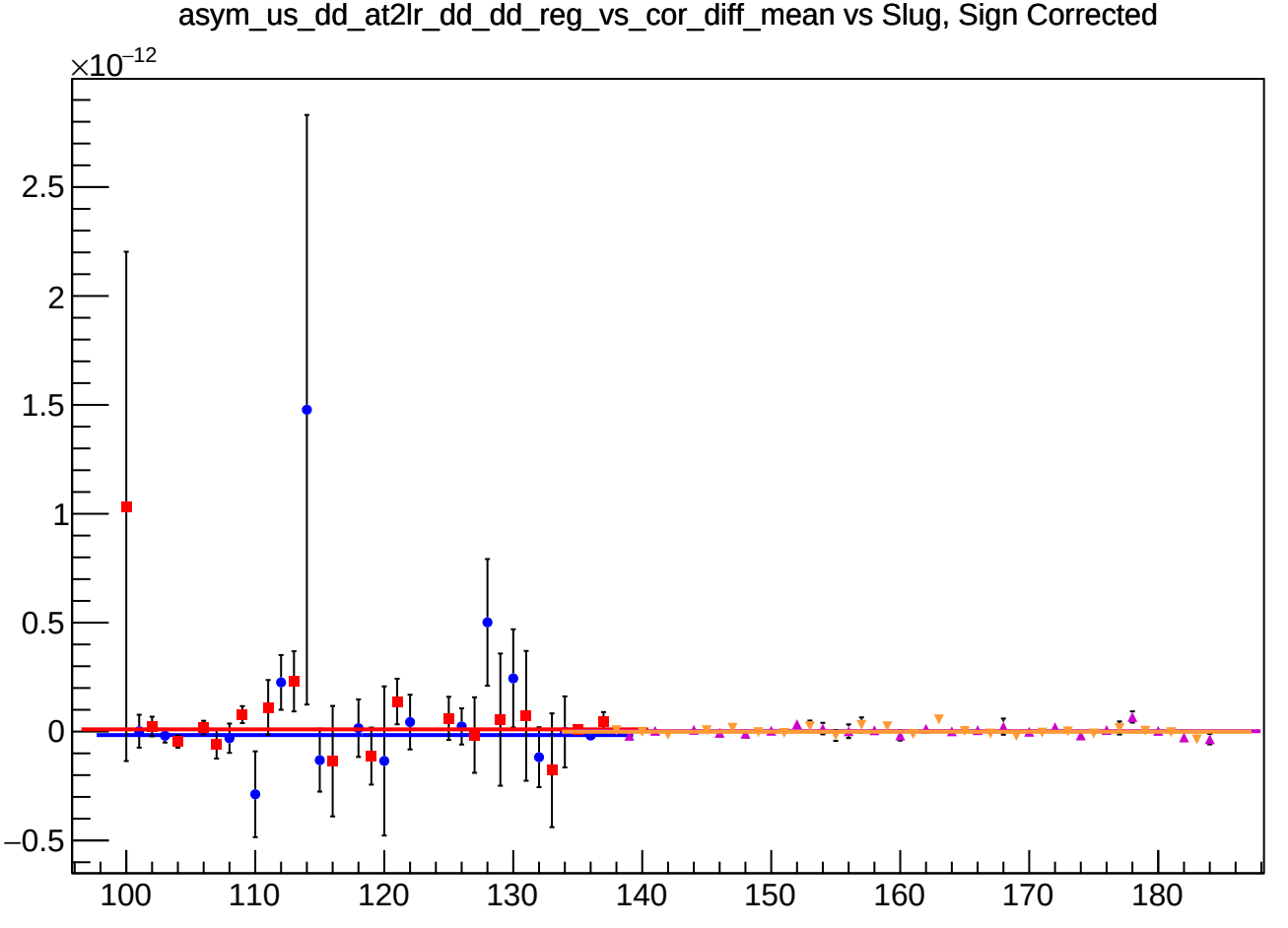
Left: 1628.206+/-0.191 χ^2/NDF: 402450.2/45

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1653.099+/-0.234 χ^2/NDF:1181464.8/38

Out: 1638.967+/-0.233 χ^2/NDF:948214.9/40

All: 1645.990+/-0.165 χ^2/NDF: 2131514.2/79



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:24.2/22

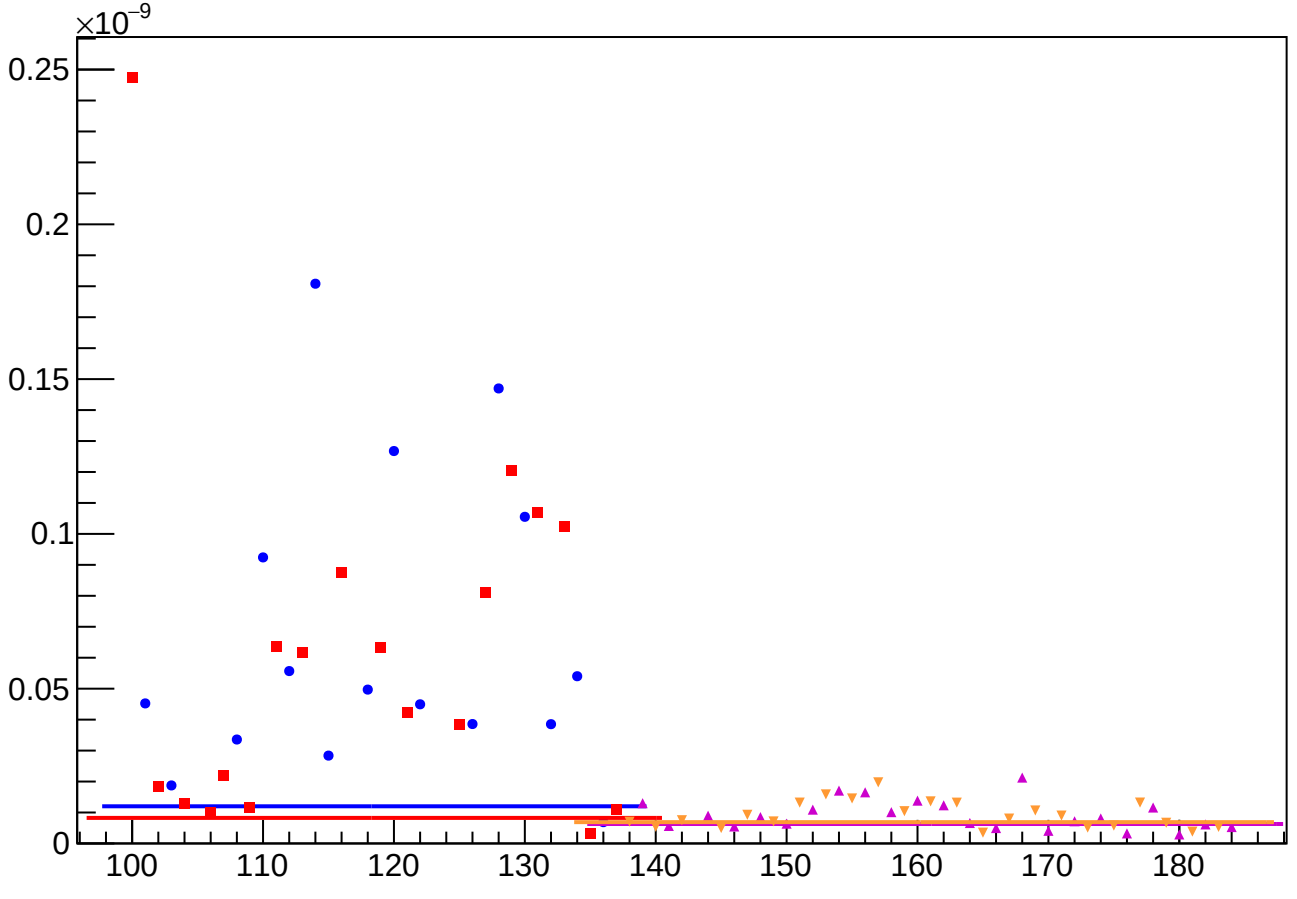
Left: 0.000+/-0.000 χ^2/NDF: 47.1/45

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: 0.000+/-0.000 χ^2/NDF:40.3/38

Out: 0.000+/-0.000 χ^2/NDF:40.4/40

All: 0.000+/-0.000 χ^2/NDF: 80.7/79



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:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5188964.4/45

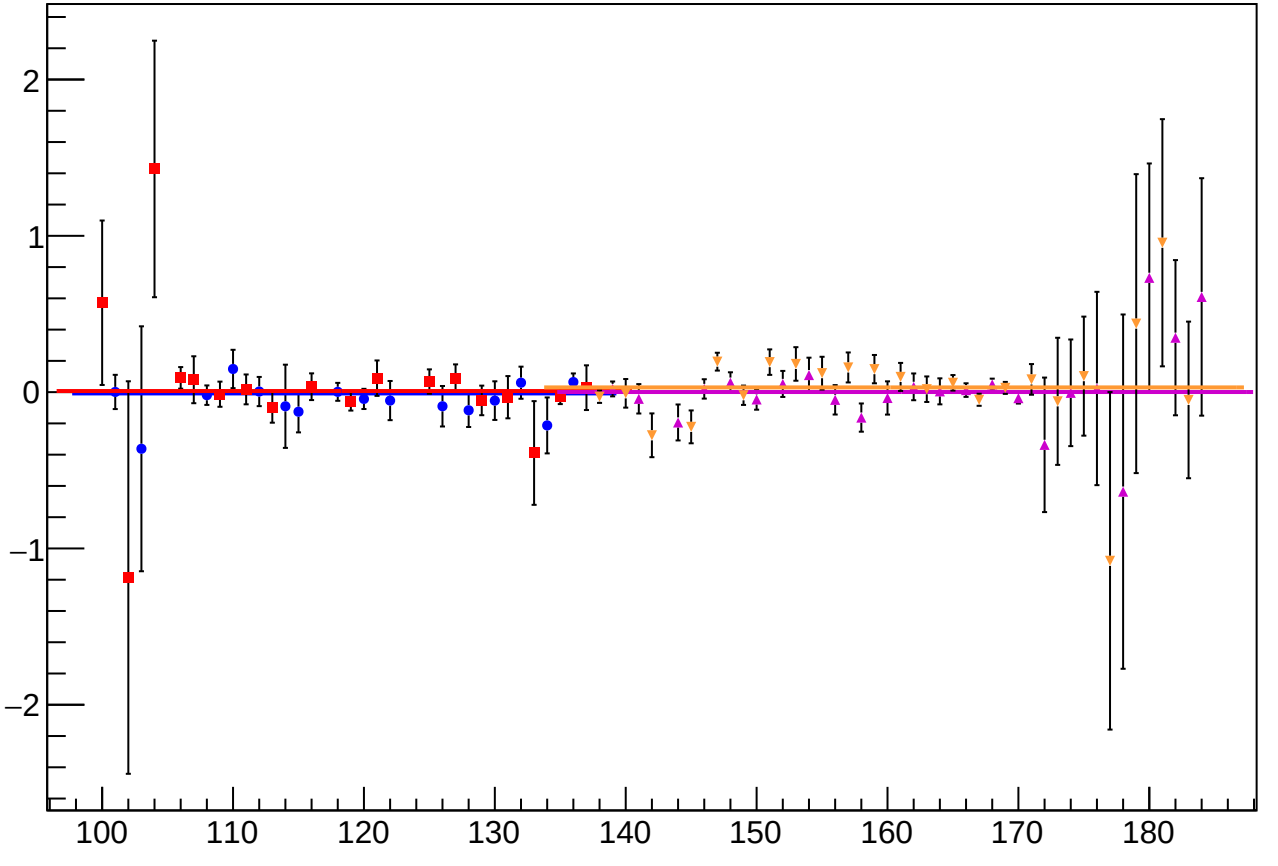
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:6894016.9/38

Out: 0.000+/-0.000 χ^2/NDF:5811308.7/40

All: 0.000+/-0.000 χ^2/NDF: 12722117.8/79

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:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 58.0/45

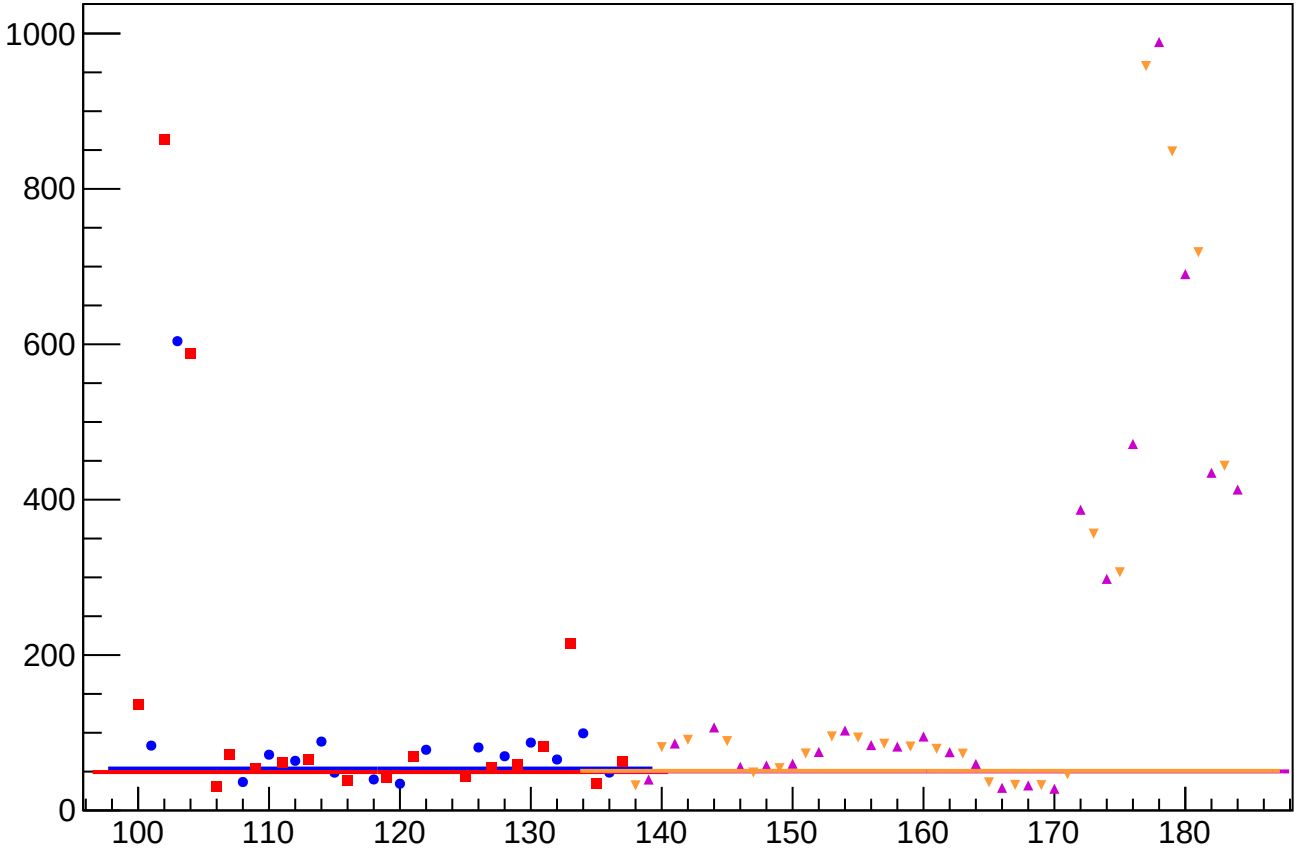
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:24.4/38

Out: 0.023+/-0.013 χ^2/NDF:54.6/40

All: 0.010+/-0.009 χ^2/NDF: 80.9/79

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: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.593+/-0.008 χ^2/NDF: 23542651.2/45

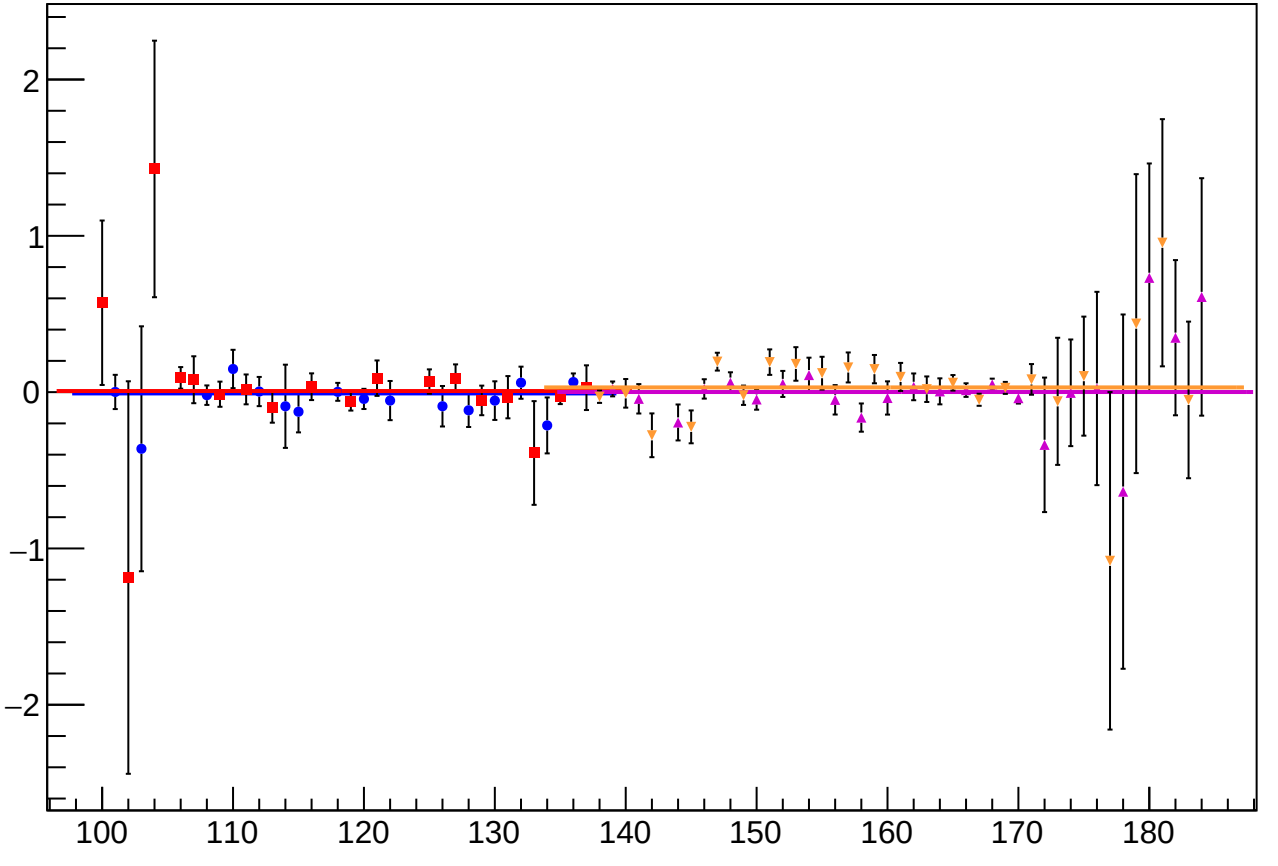
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 51.367+/-0.009 χ^2/NDF:14445308.0/38

Out: 50.447+/-0.009 χ^2/NDF:14368950.0/40

All: 50.906+/-0.006 χ^2/NDF: 28819486.3/79

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:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 58.0/45

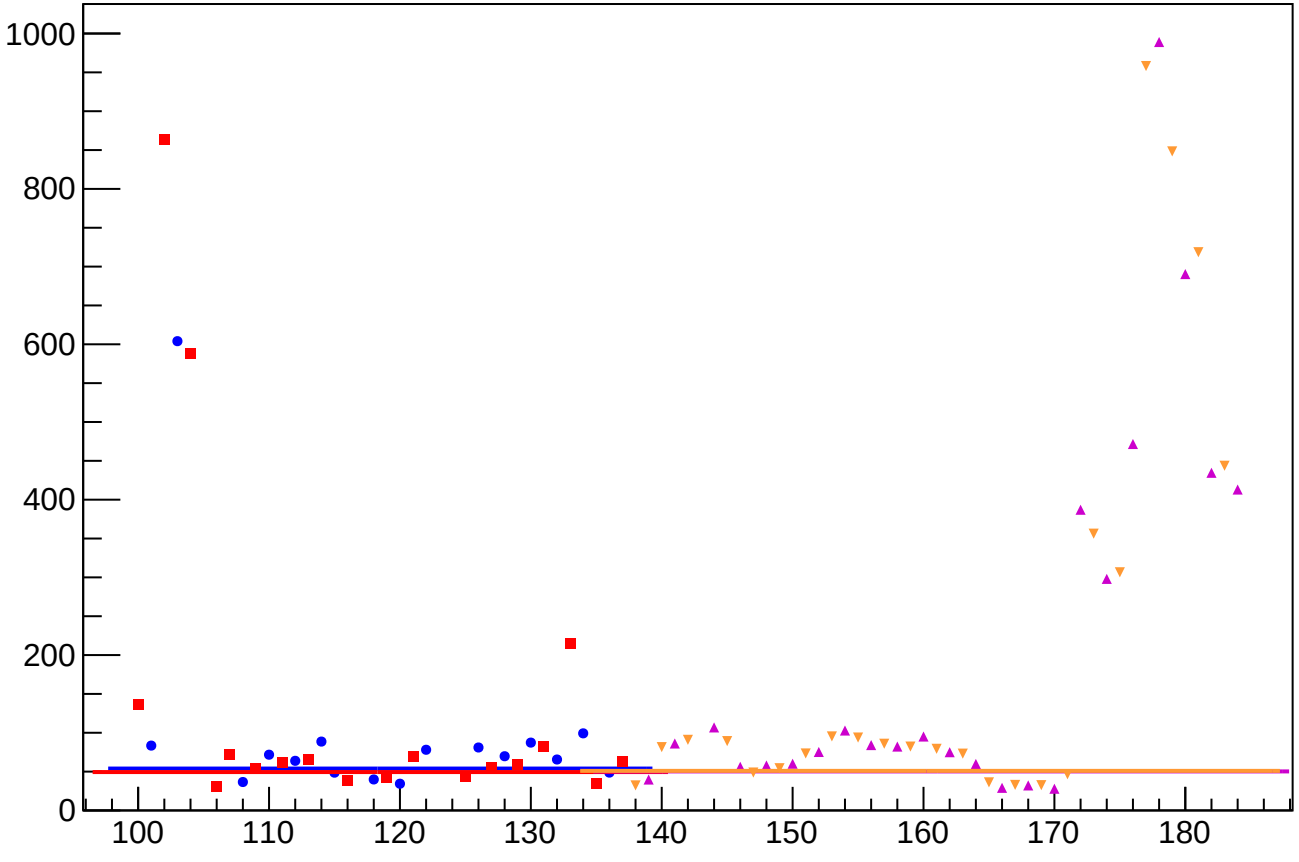
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:24.4/38

Out: 0.023+/-0.013 χ^2/NDF:54.6/40

All: 0.010+/-0.009 χ^2/NDF: 80.9/79

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: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.593+/-0.008 χ^2/NDF: 23542651.2/45

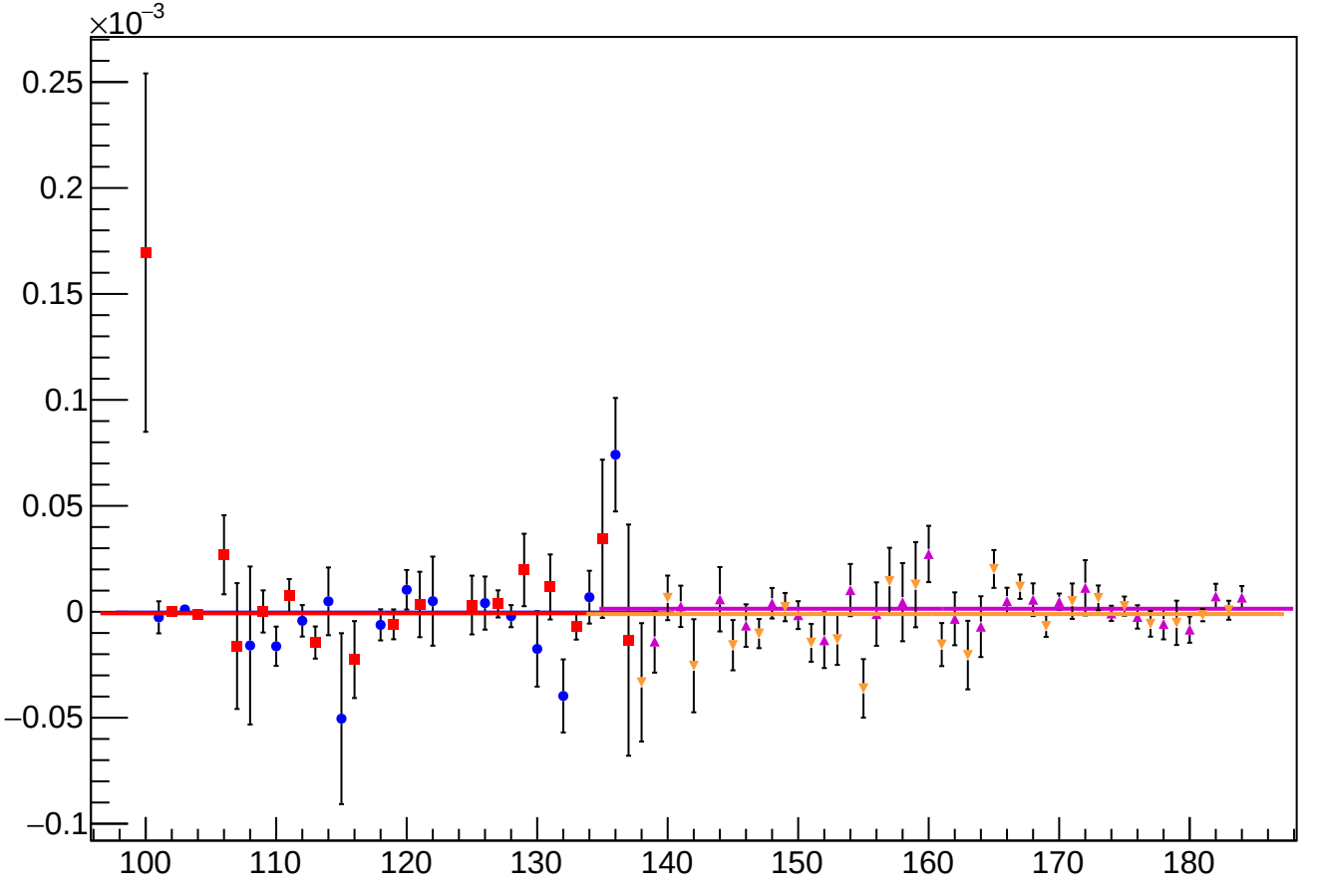
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 51.367+/-0.009 χ^2/NDF:14445308.0/38

Out: 50.447+/-0.009 χ^2/NDF:14368950.0/40

All: 50.906+/-0.006 χ^2/NDF: 28819486.3/79

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:16.4/22

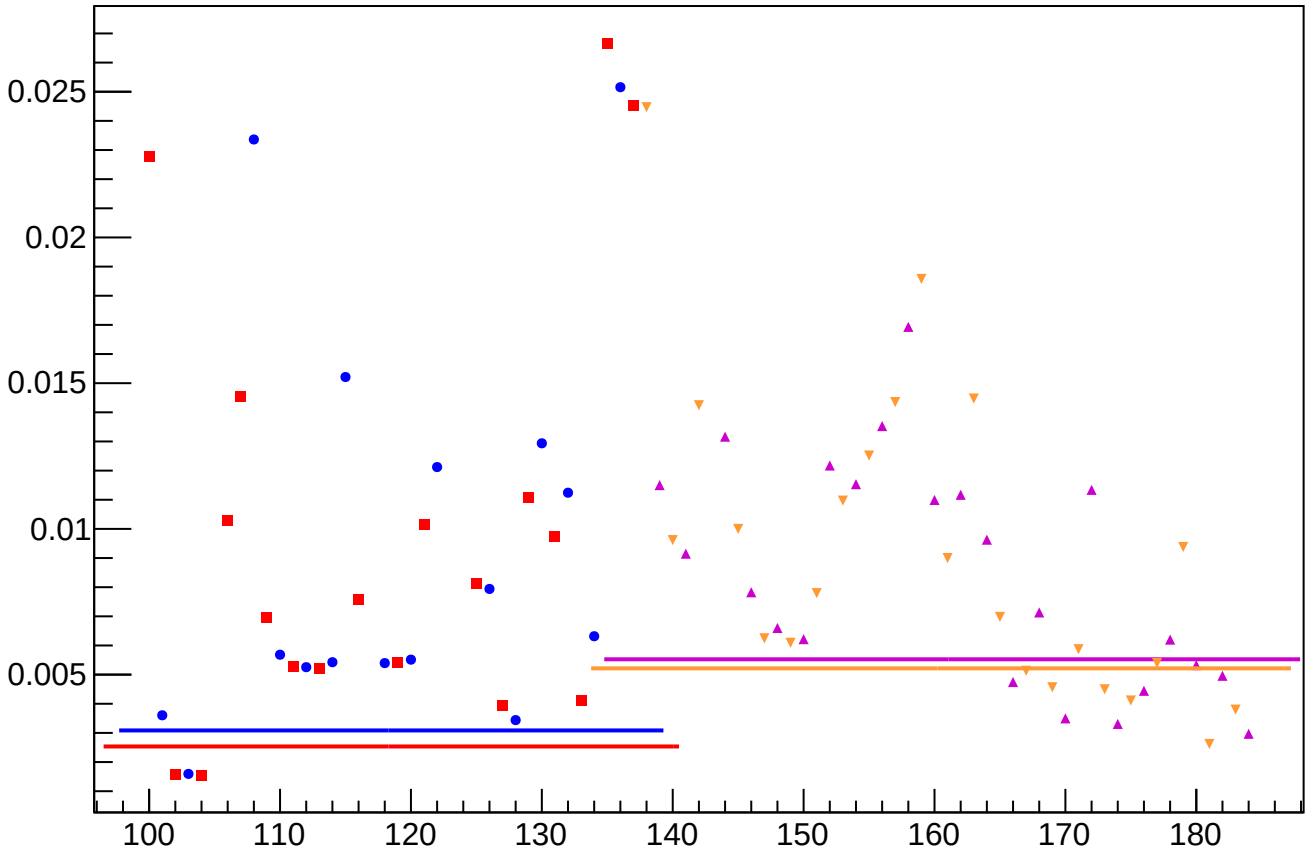
Left: 0.000+/-0.000 χ^2/NDF: 55.0/45

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: 0.000+/-0.000 χ^2/NDF:39.2/38

Out: -0.000+/-0.000 χ^2/NDF:54.9/40

All: -0.000+/-0.000 χ^2/NDF: 95.2/79



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:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15063308.8/45

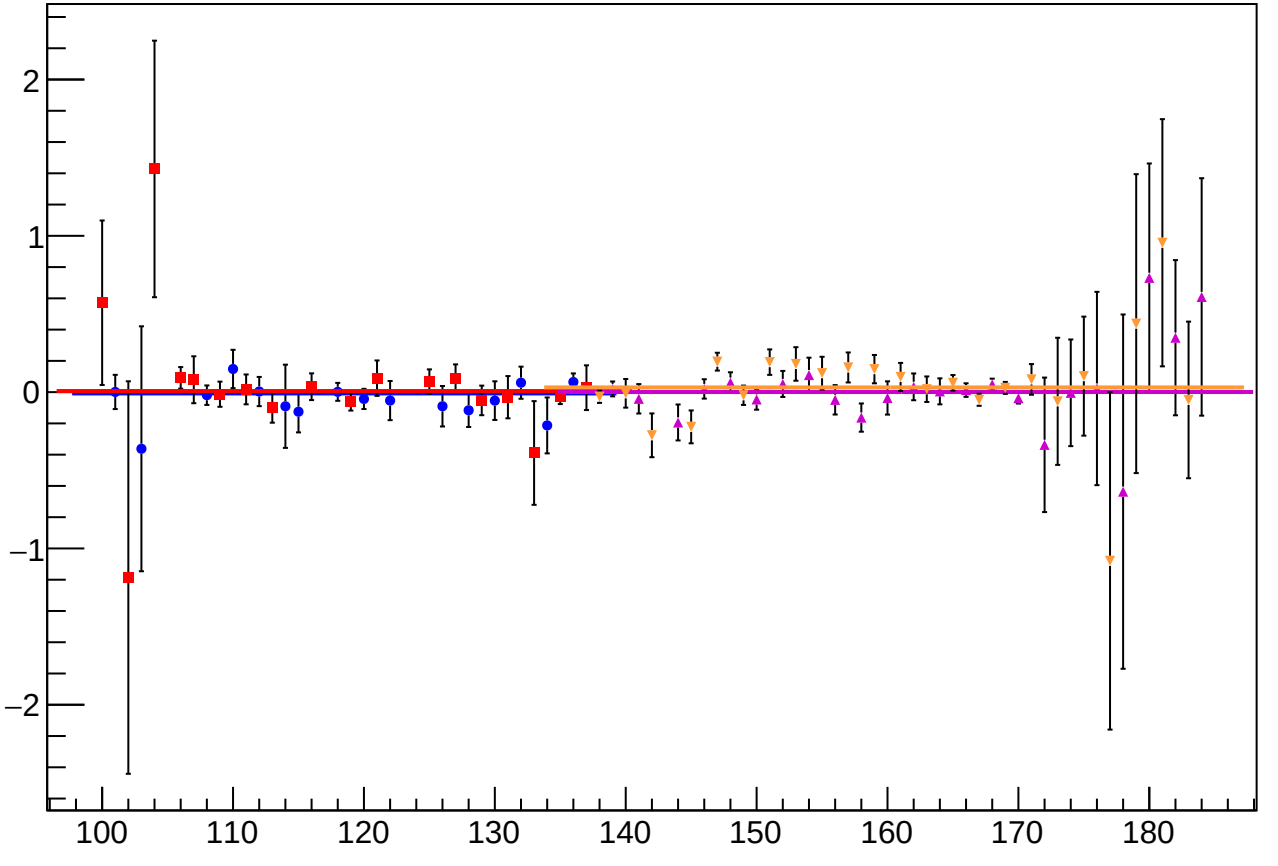
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:15102036.0/38

Out: 0.004+/-0.000 χ^2/NDF:18288777.7/40

All: 0.004+/-0.000 χ^2/NDF: 33824391.0/79

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:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 58.0/45

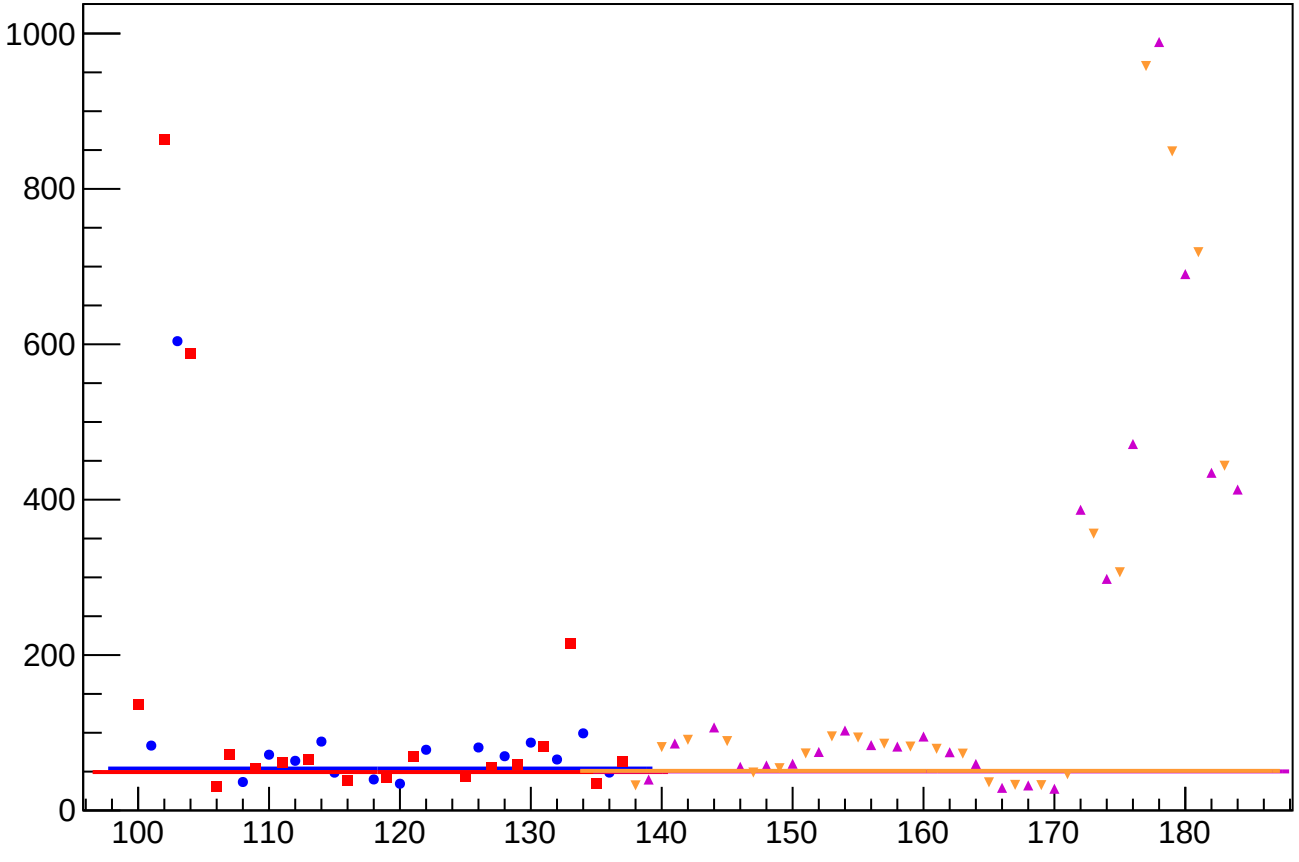
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:24.4/38

Out: 0.023+/-0.013 χ^2/NDF:54.6/40

All: 0.010+/-0.009 χ^2/NDF: 80.9/79

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: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.594+/-0.008 χ^2/NDF: 23541780.3/45

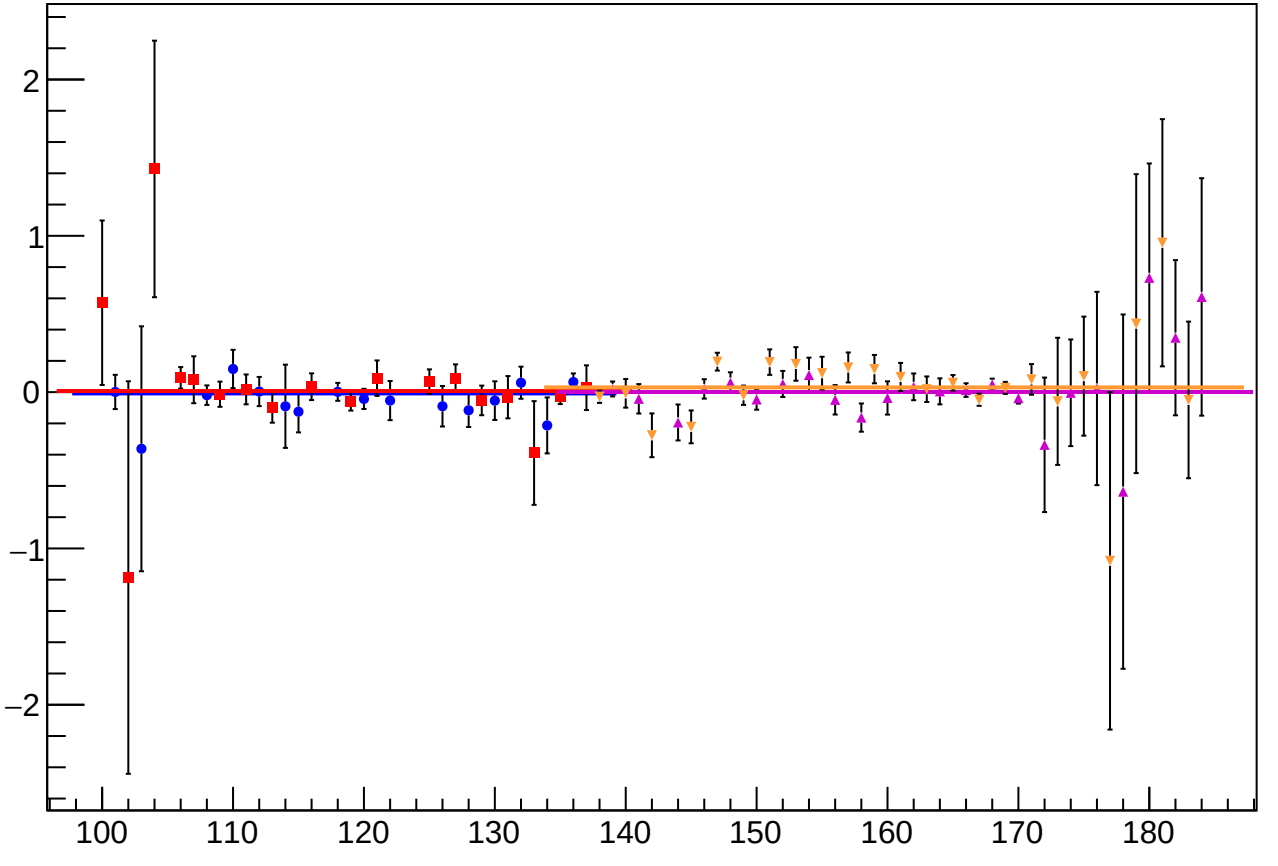
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 51.368+/-0.009 χ^2/NDF:14444912.7/38

Out: 50.449+/-0.009 χ^2/NDF:14367847.2/40

All: 50.907+/-0.006 χ^2/NDF: 28817972.8/79

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:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 58.0/45

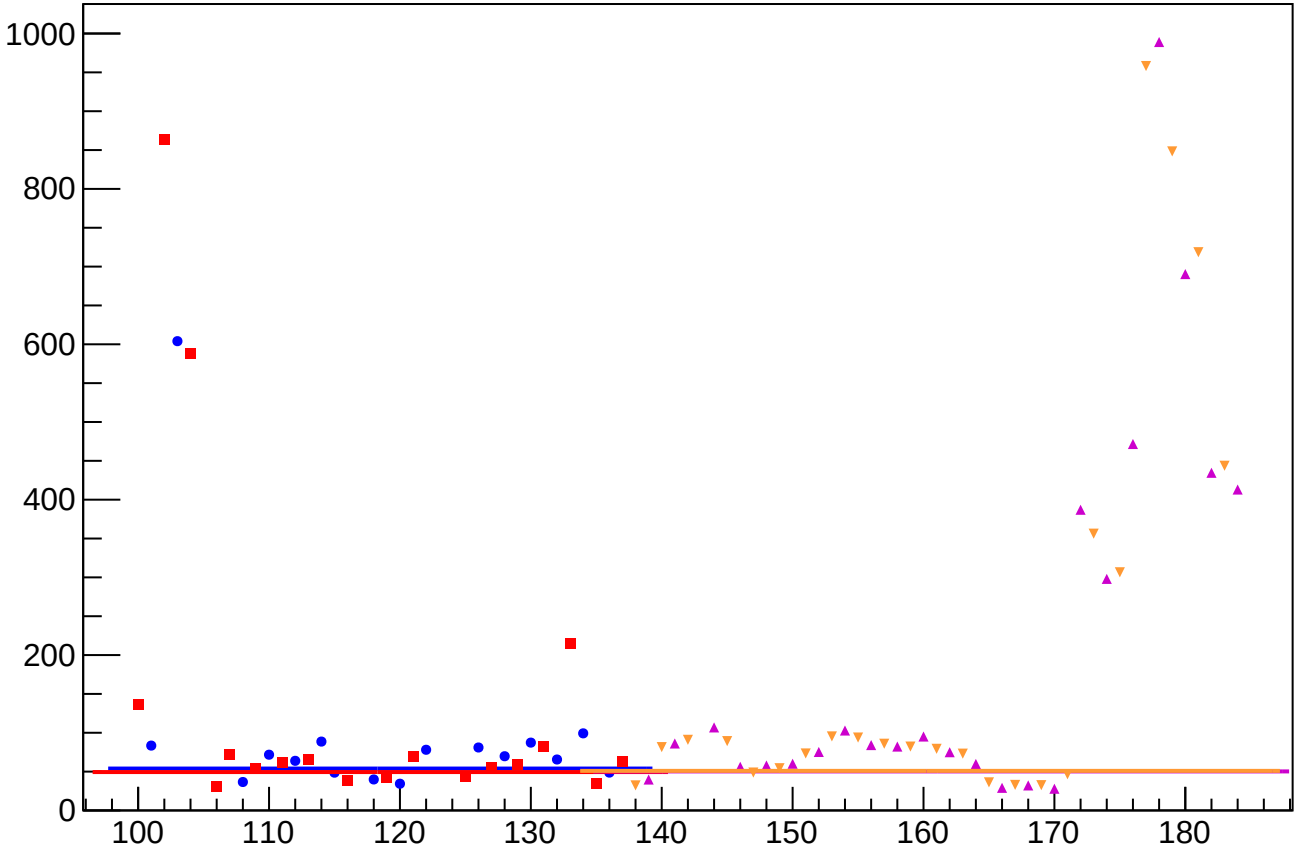
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:24.4/38

Out: 0.023+/-0.013 χ^2/NDF:54.6/40

All: 0.010+/-0.009 χ^2/NDF: 80.9/79

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: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.594+/-0.008 χ^2/NDF: 23541780.3/45

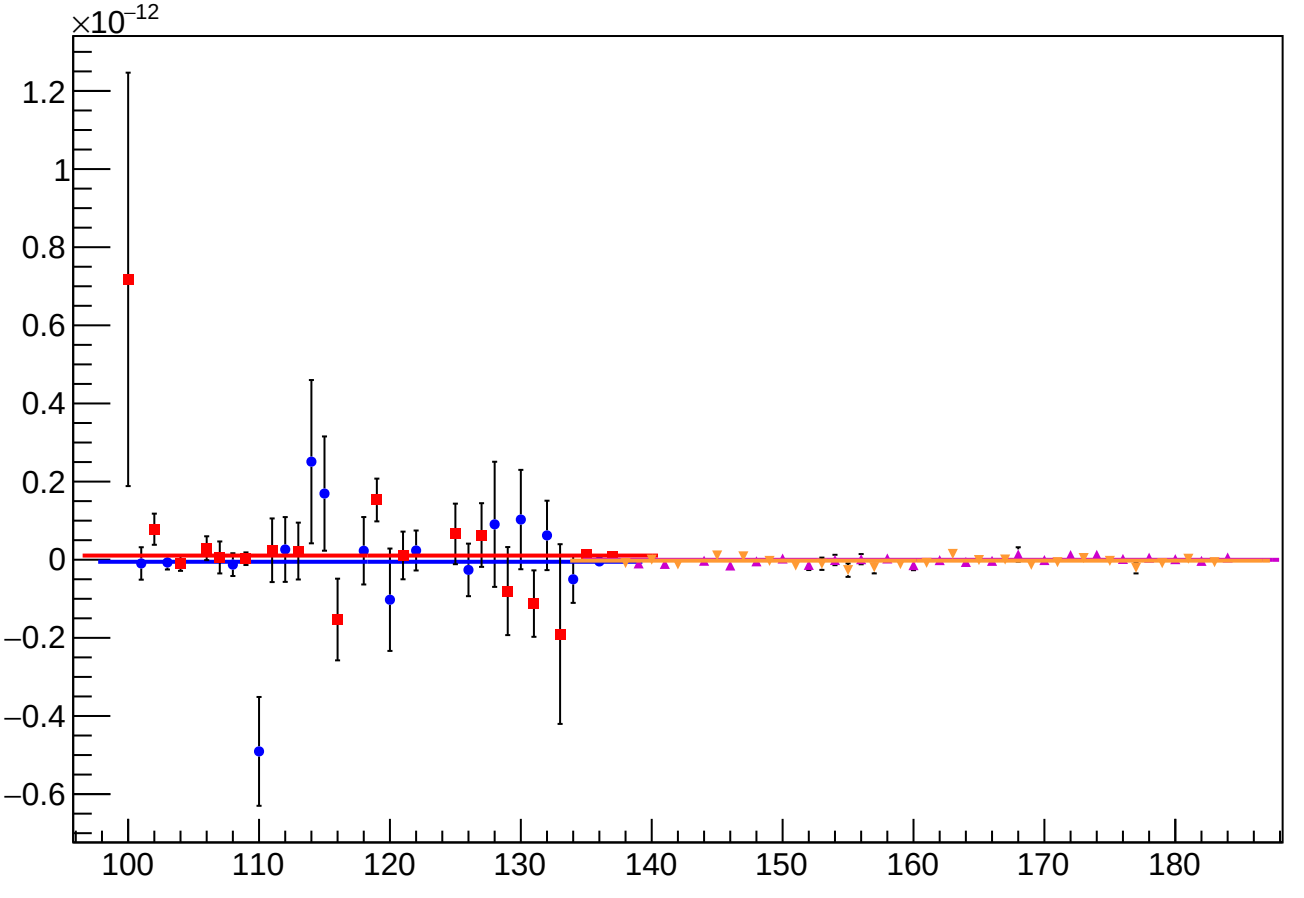
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 51.368+/-0.009 χ^2/NDF:14444912.7/38

Out: 50.449+/-0.009 χ^2/NDF:14367847.2/40

All: 50.907+/-0.006 χ^2/NDF: 28817972.8/79

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

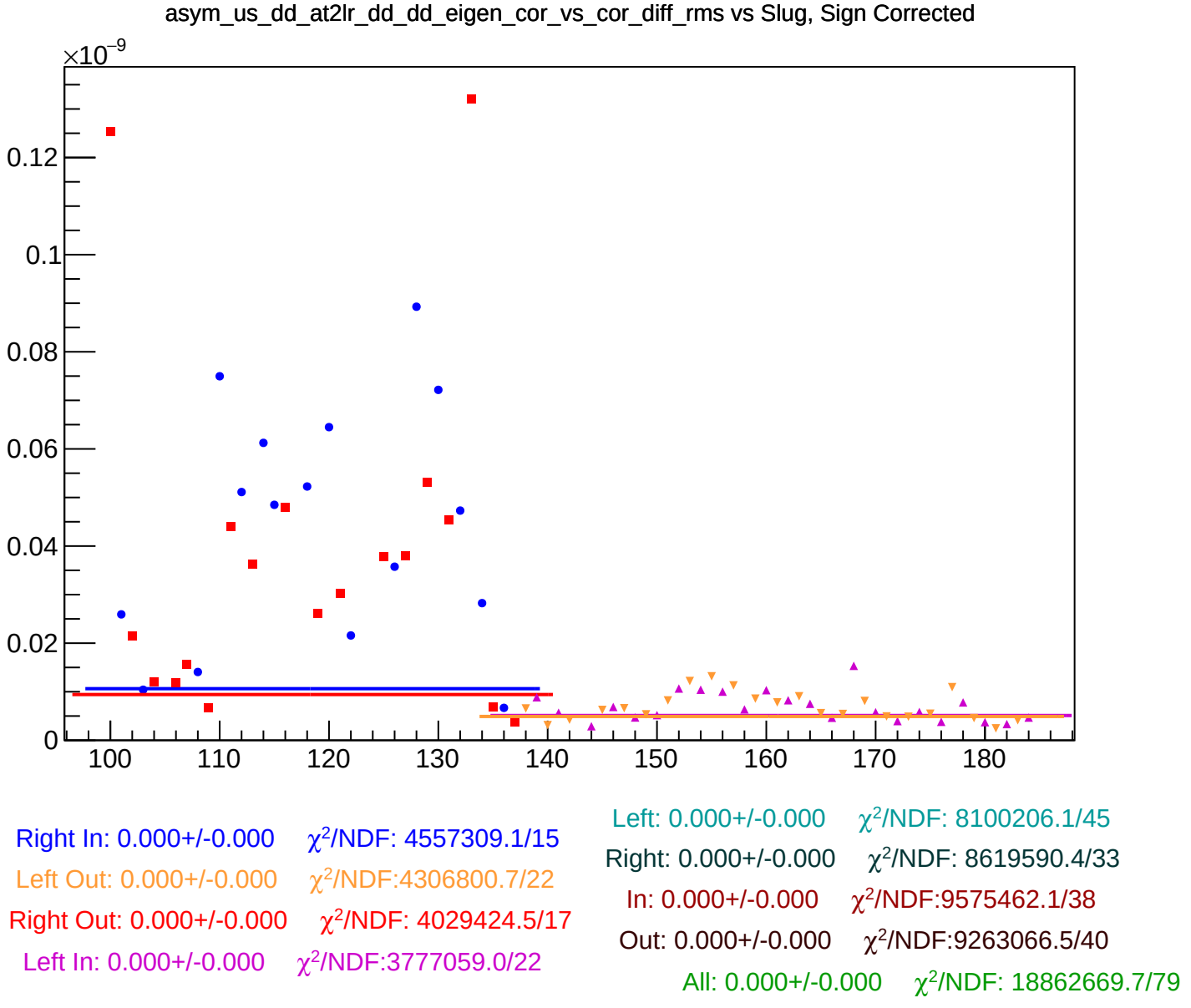
Left: -0.000+/-0.000 χ^2/NDF: 41.4/45

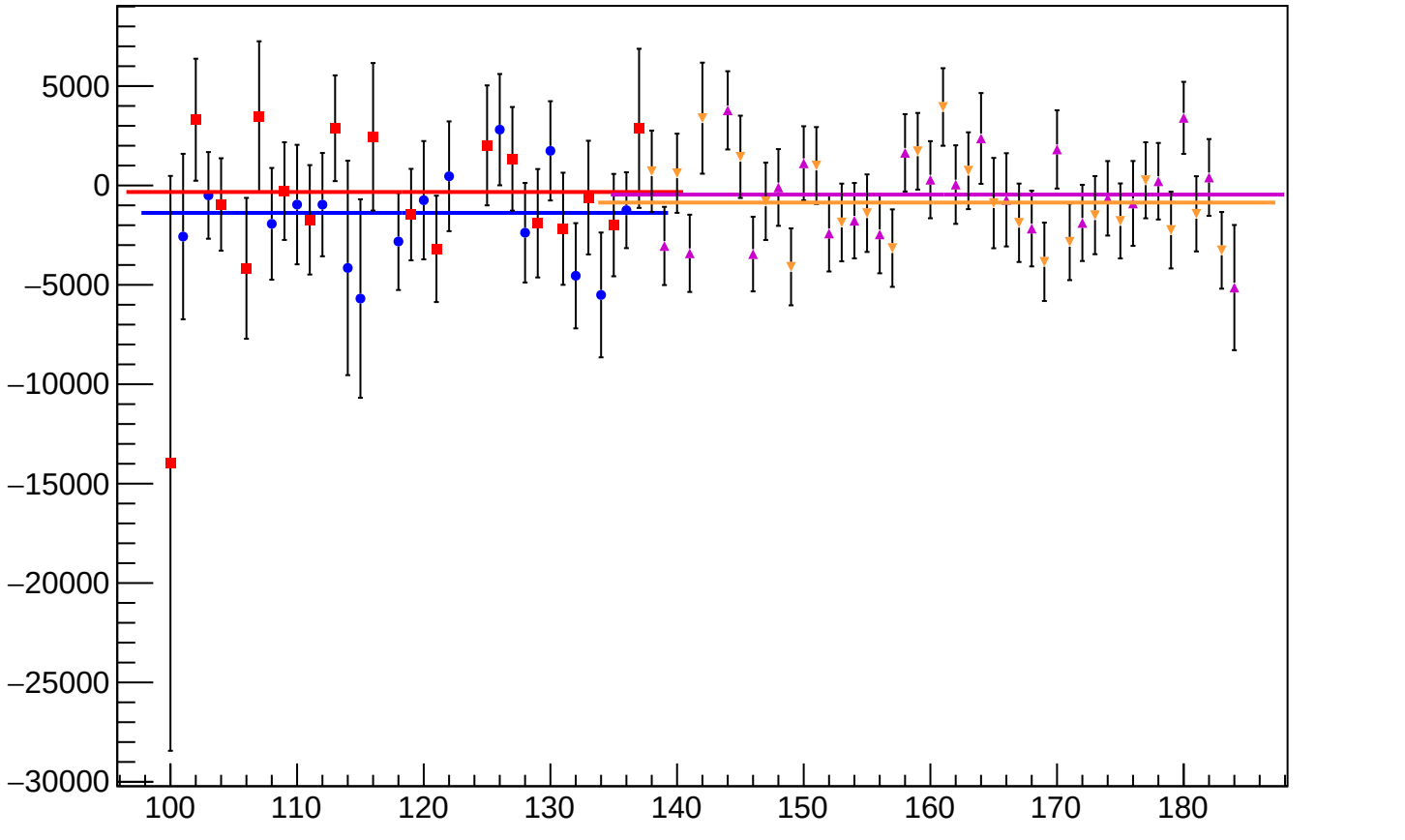
Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:37.3/38

Out: -0.000+/-0.000 χ^2/NDF:46.1/40

All: -0.000+/-0.000 χ^2/NDF: 83.8/79


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 4557309.1/15
Left Out: 0.000+/-0.000 χ²/NDF:4306800.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 4029424.5/17
Left In: 0.000+/-0.000 χ²/NDF:3777059.0/22
Left: 0.000+/-0.000 χ²/NDF: 8100206.1/45
Right: 0.000+/-0.000 χ²/NDF: 8619590.4/33
In: 0.000+/-0.000 χ²/NDF:9575462.1/38
Out: 0.000+/-0.000 χ²/NDF:9263066.5/40
All: 0.000+/-0.000 χ²/NDF: 18862669.7/79



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: -459.594+/-413.637 χ^2/NDF:27.3/22

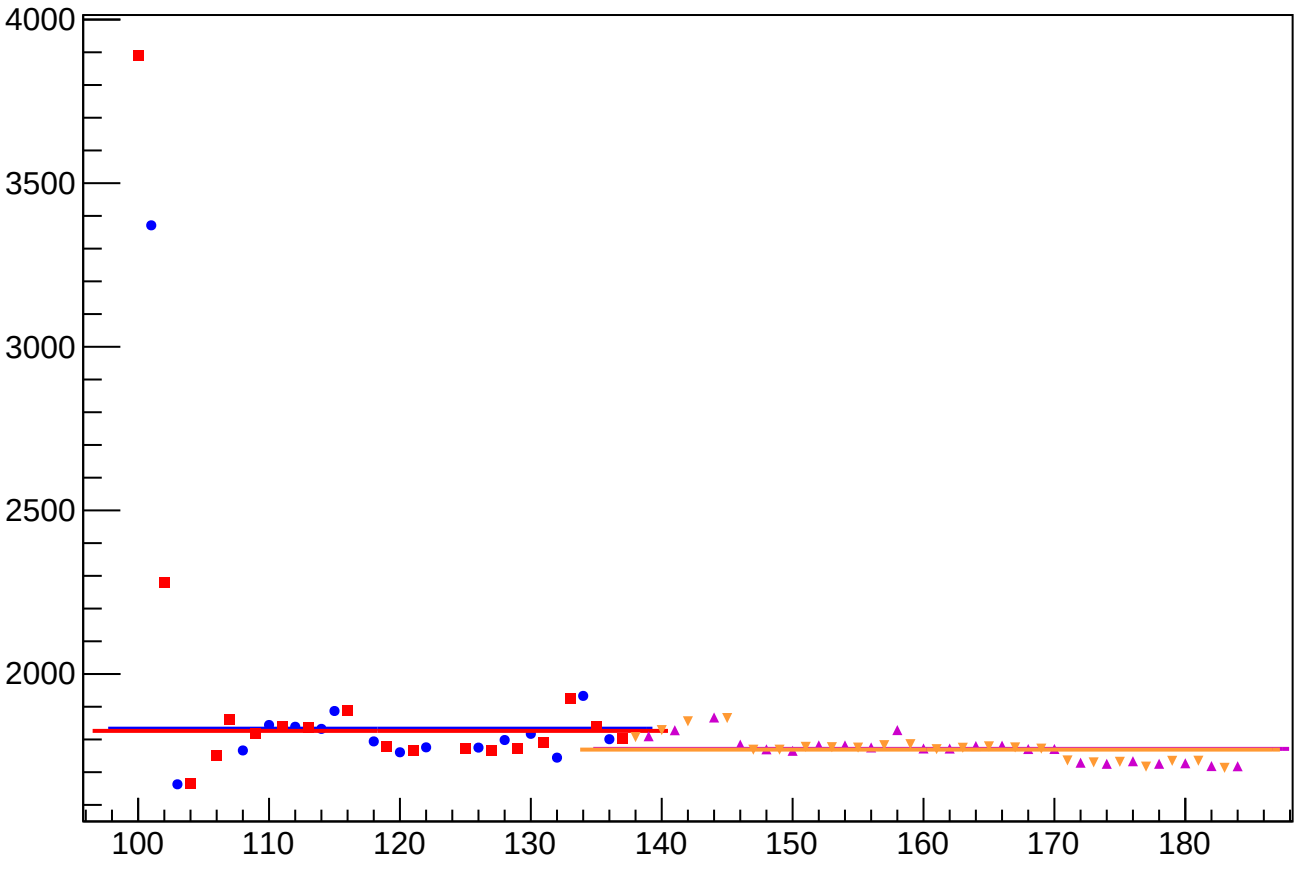
Left: -659.789+/-292.454 χ^2/NDF: 52.9/45

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -703.093+/-354.641 χ^2/NDF:37.9/38

Out: -717.685+/-353.879 χ^2/NDF:36.6/40

All: -710.405+/-250.499 χ^2/NDF: 74.5/79



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: 1771.217+/-0.292 χ^2/NDF:16425.7/22

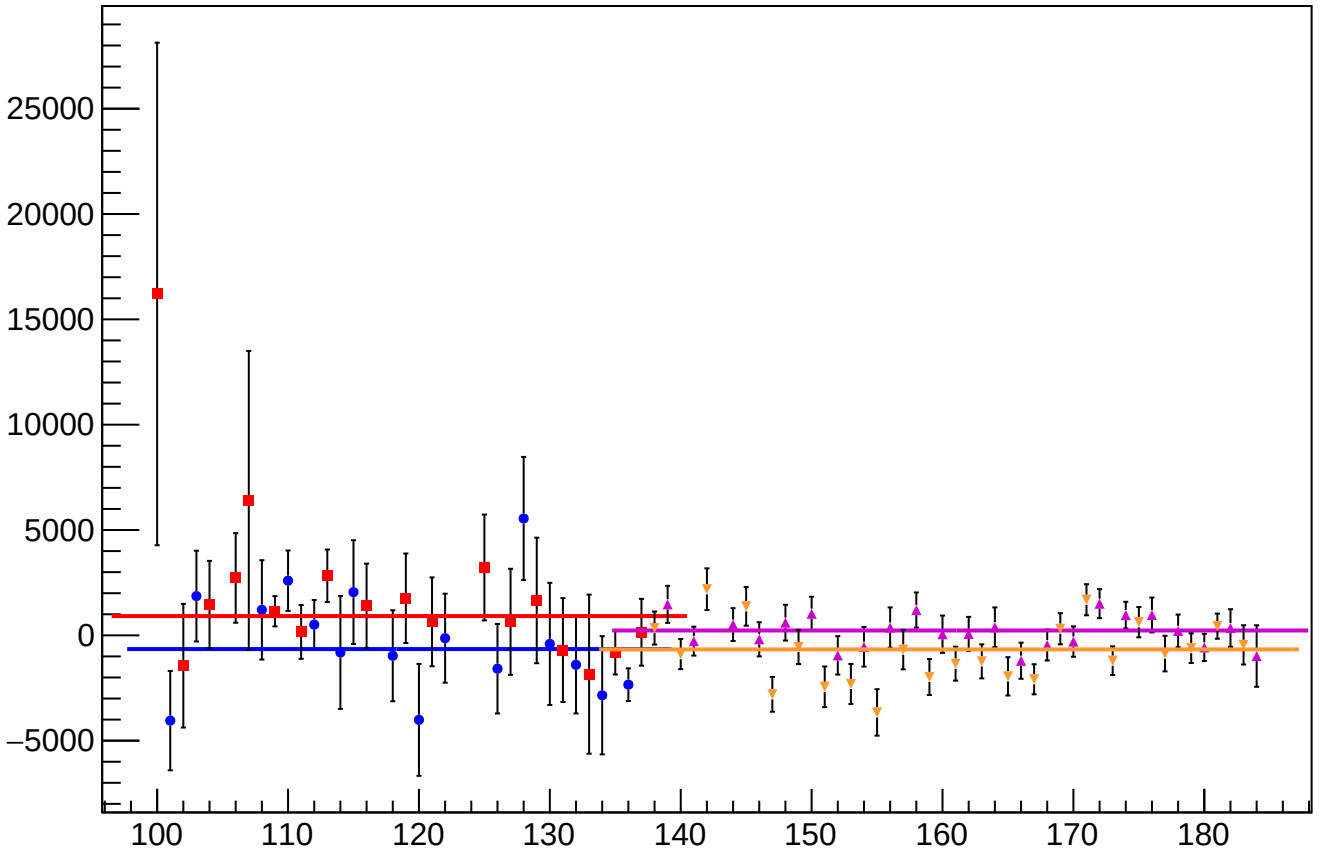
Left: 1770.109+/-0.207 χ^2/NDF: 32212.6/45

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1787.570+/-0.251 χ^2/NDF:323665.0/38

Out: 1784.319+/-0.250 χ^2/NDF:129012.3/40

All: 1785.941+/-0.177 χ^2/NDF: 452761.5/79



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: 230.653+/-168.319 χ^2/NDF:19.9/22

Left: -221.137+/-118.679 χ^2/NDF: 98.6/45

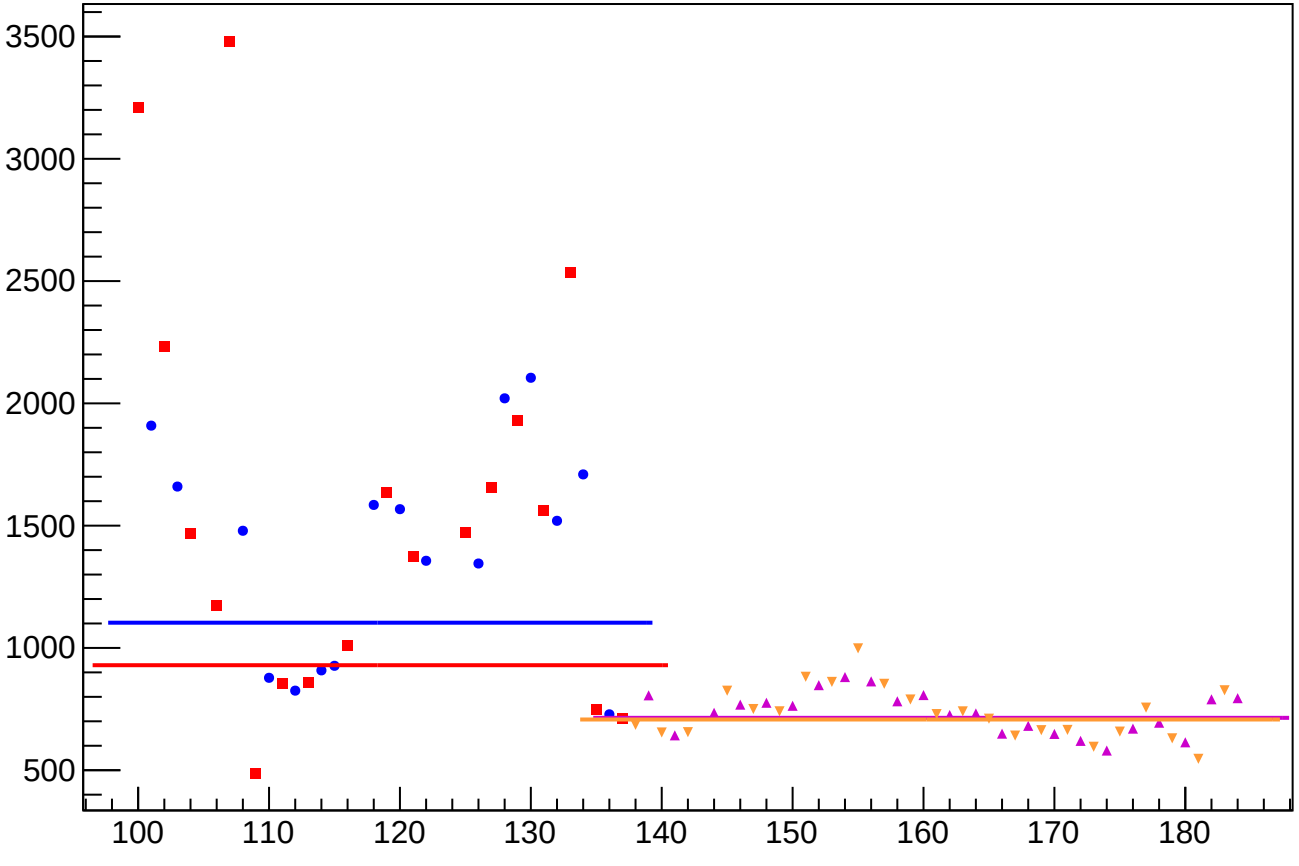
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 118.930+/-157.306 χ^2/NDF:46.6/38

Out: -425.302+/-154.005 χ^2/NDF:89.6/40

All: -158.955+/-110.046 χ^2/NDF: 142.3/79

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: 714.162+/-0.119 χ^2/NDF:497246.5/22

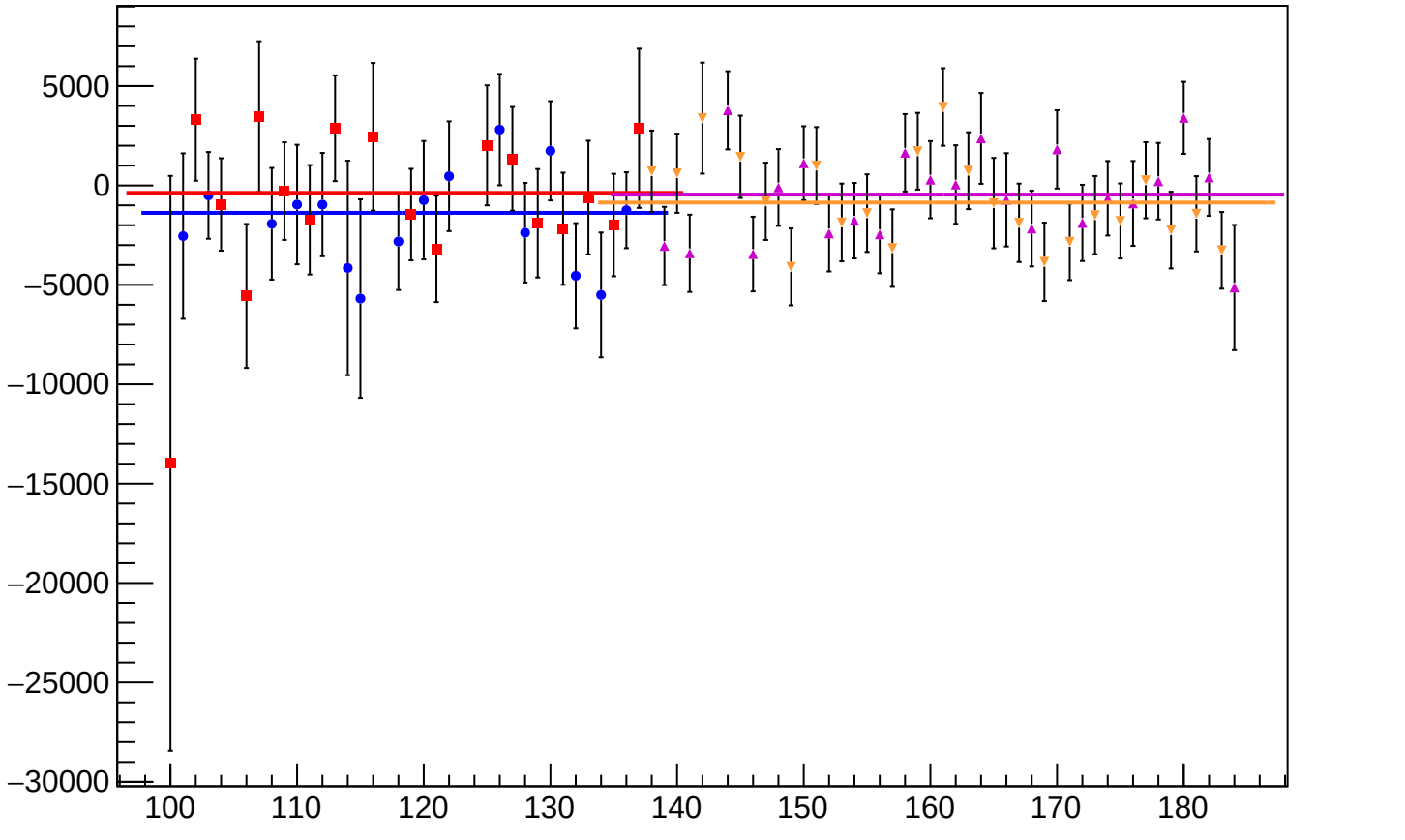
Left: 710.747+/-0.084 χ^2/NDF: 1190930.7/45

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 763.406+/-0.111 χ^2/NDF:3727770.8/38

Out: 741.386+/-0.109 χ^2/NDF:4285314.4/40

All: 752.163+/-0.078 χ^2/NDF: 8033095.3/79



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: -459.554+/-413.637 χ^2/NDF:27.3/22

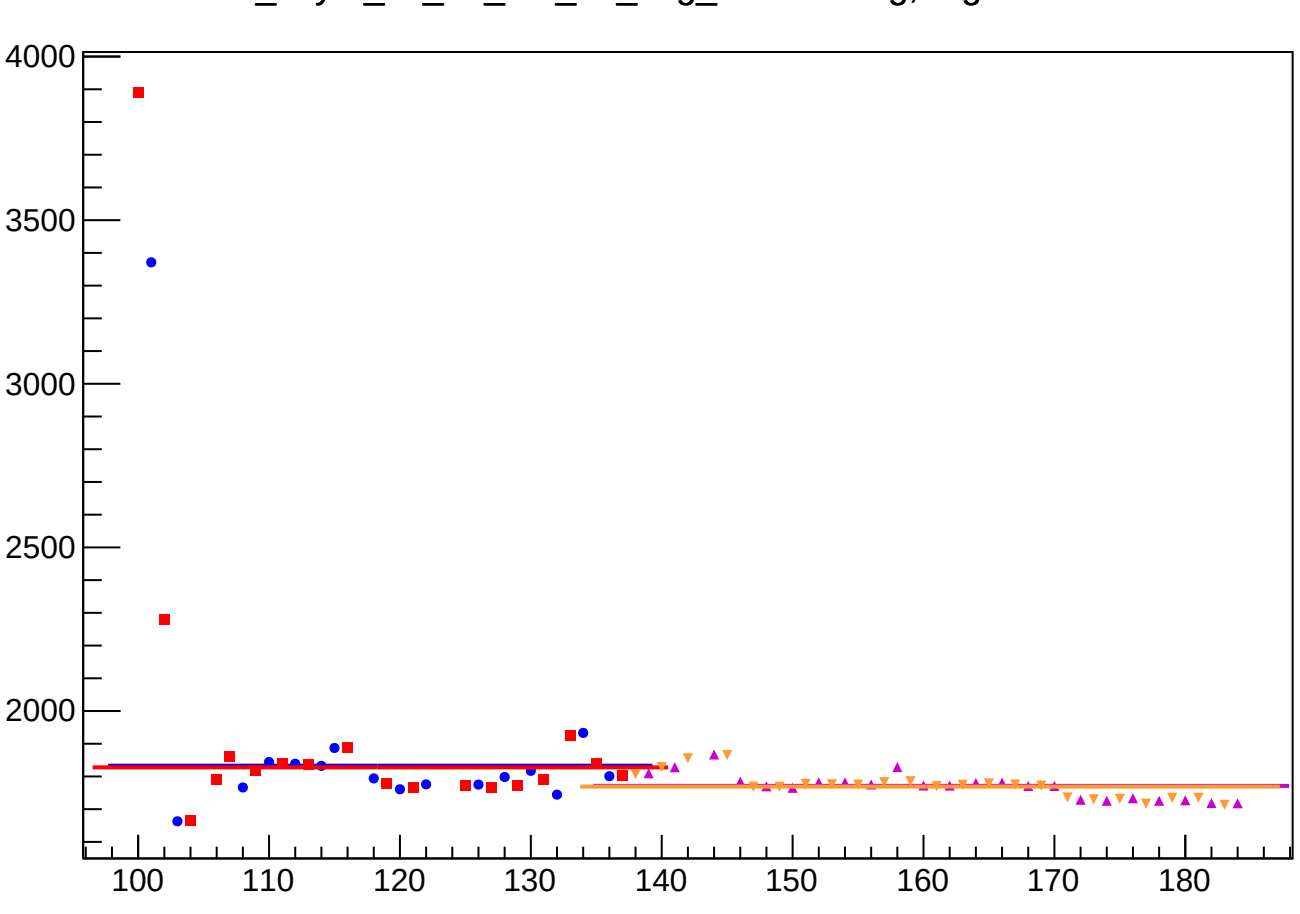
Left: -659.727+/-292.454 χ^2/NDF: 52.9/45

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -702.897+/-354.641 χ^2/NDF:37.9/38

Out: -729.487+/-353.951 χ^2/NDF:37.5/40

All: -716.218+/-250.525 χ^2/NDF: 75.3/79



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: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1770.109+/-0.207 χ^2/NDF: 32212.6/45

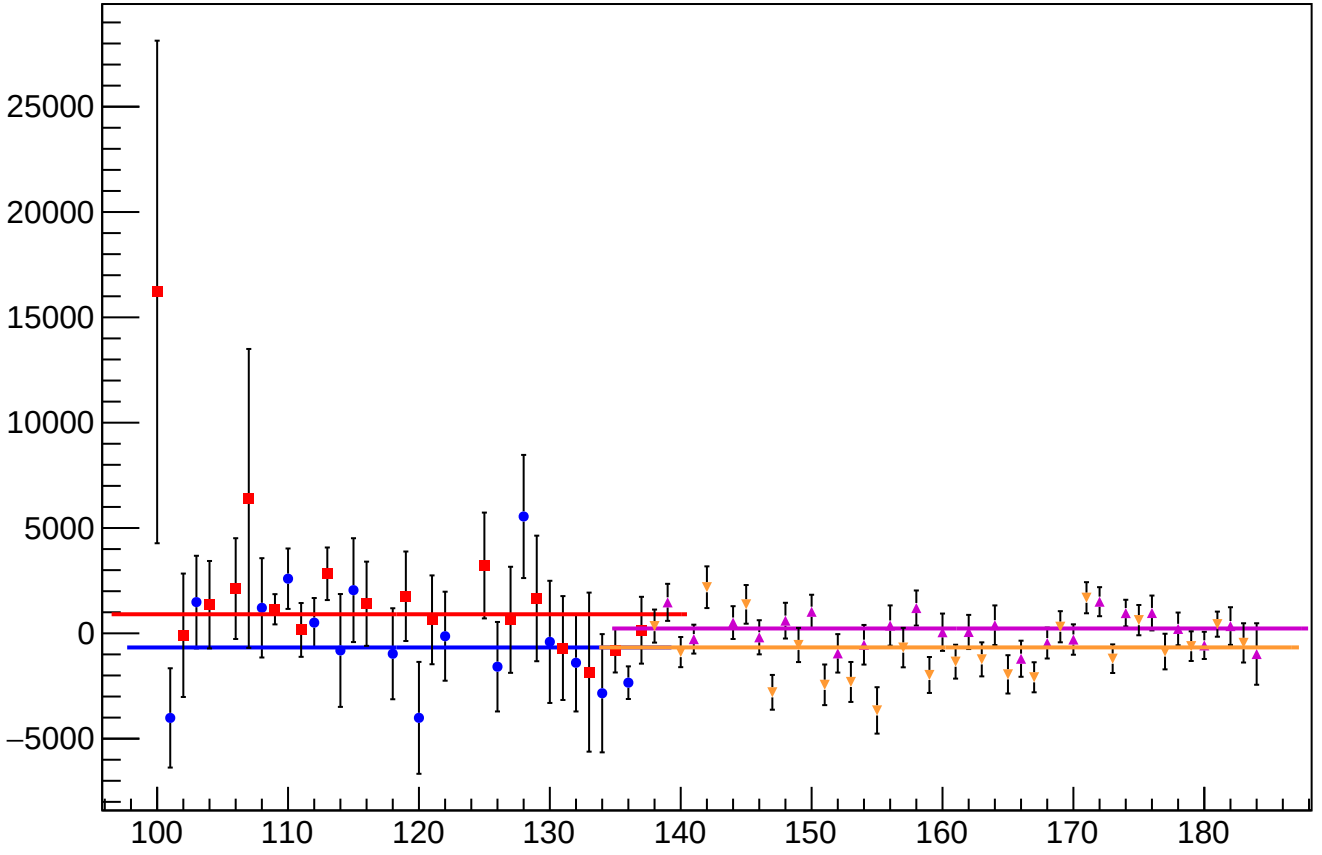
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1787.570+/-0.251 χ^2/NDF:323666.8/38

Out: 1784.723+/-0.250 χ^2/NDF:128836.7/40

All: 1786.144+/-0.177 χ^2/NDF: 452568.1/79

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -667.786+/-167.362 χ^2/NDF:64.3/22

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -221.172+/-118.680 χ^2/NDF: 98.6/45

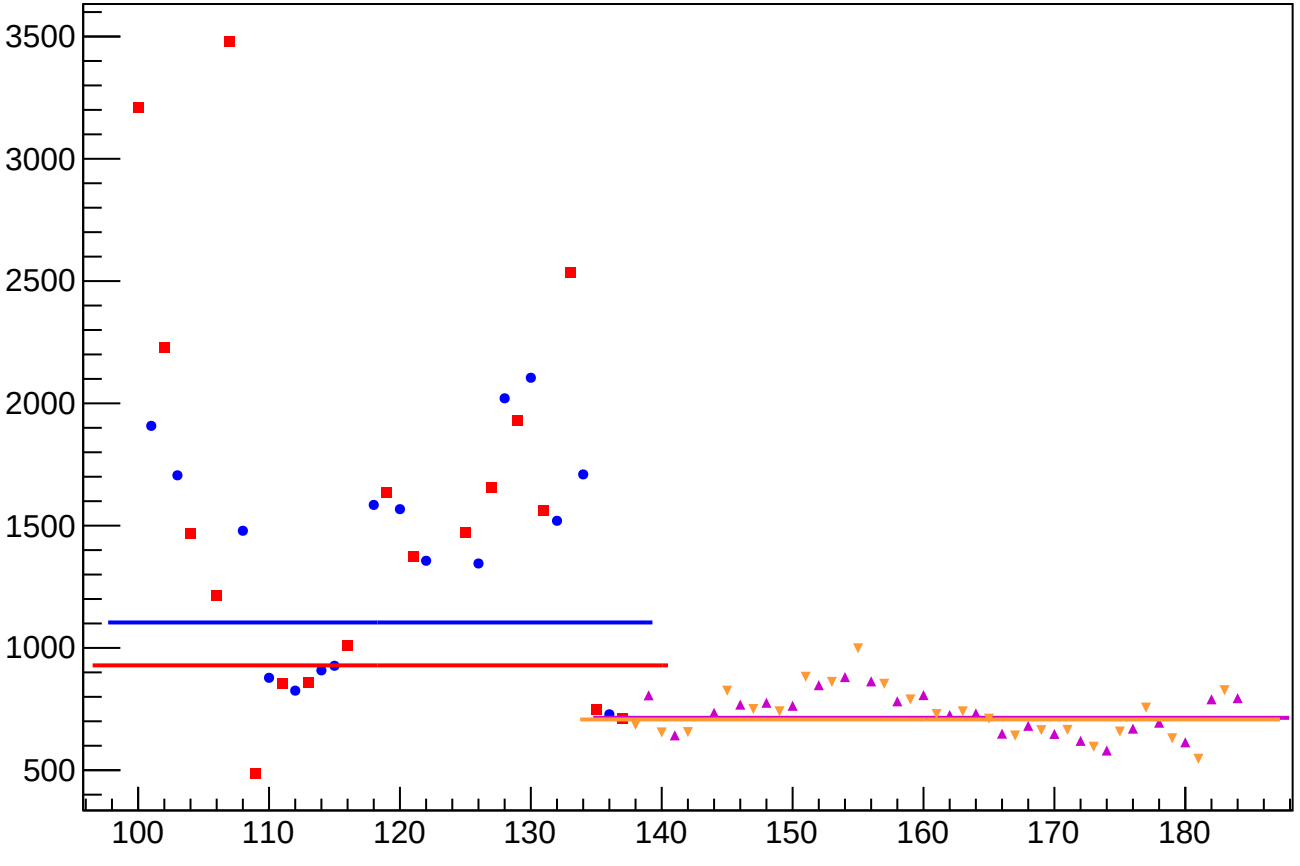
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 116.671+/-157.323 χ^2/NDF:46.3/38

Out: -428.085+/-154.089 χ^2/NDF:88.3/40

All: -161.363+/-110.083 χ^2/NDF: 140.7/79

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: 714.168+/-0.119 χ^2/NDF:497252.3/22

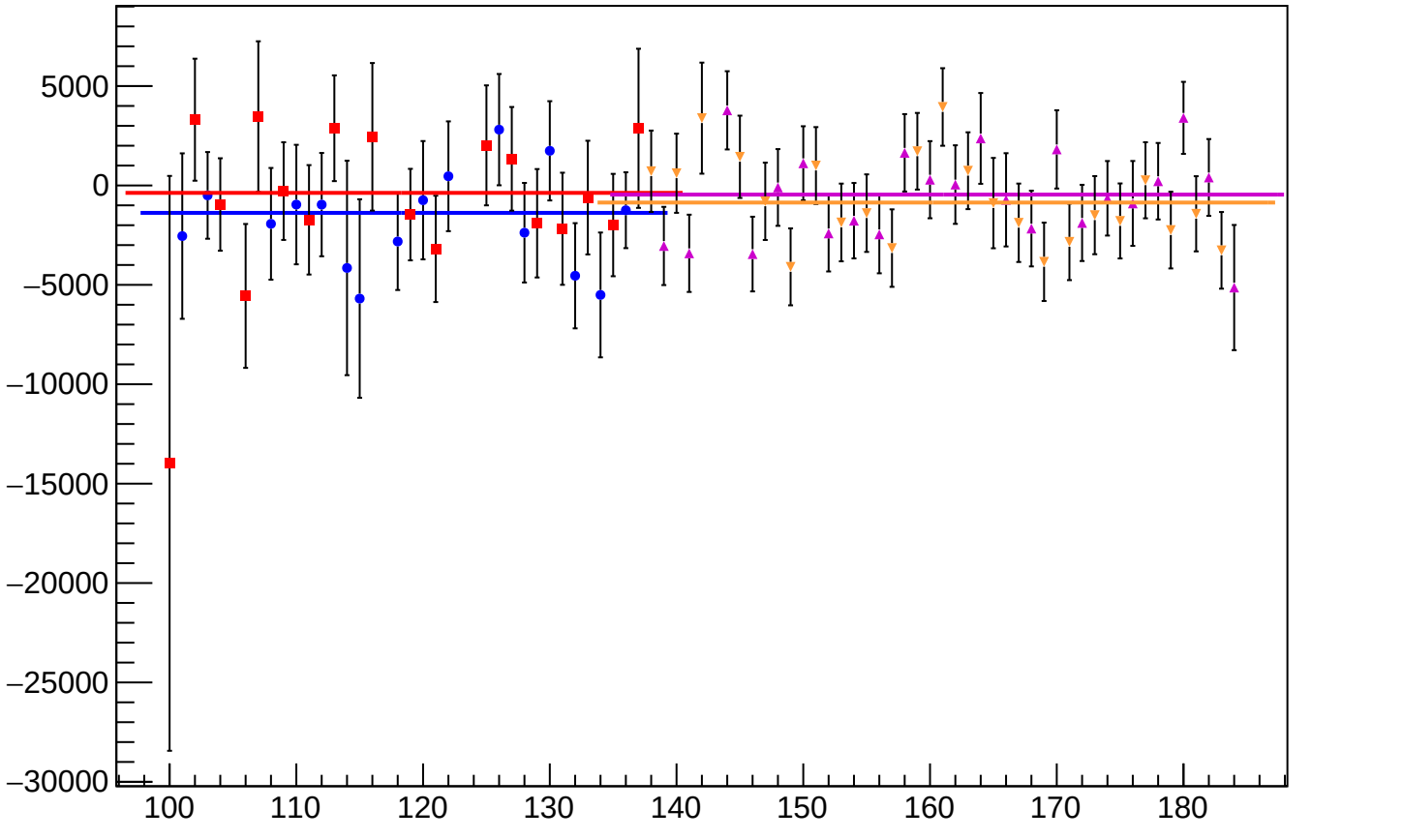
Left: 710.752+/-0.084 χ^2/NDF: 1190908.5/45

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 763.456+/-0.111 χ^2/NDF:3748451.4/38

Out: 741.077+/-0.109 χ^2/NDF:4278820.3/40

All: 752.034+/-0.078 χ^2/NDF: 8047926.0/79



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: -459.554+/-413.637 χ^2/NDF:27.3/22

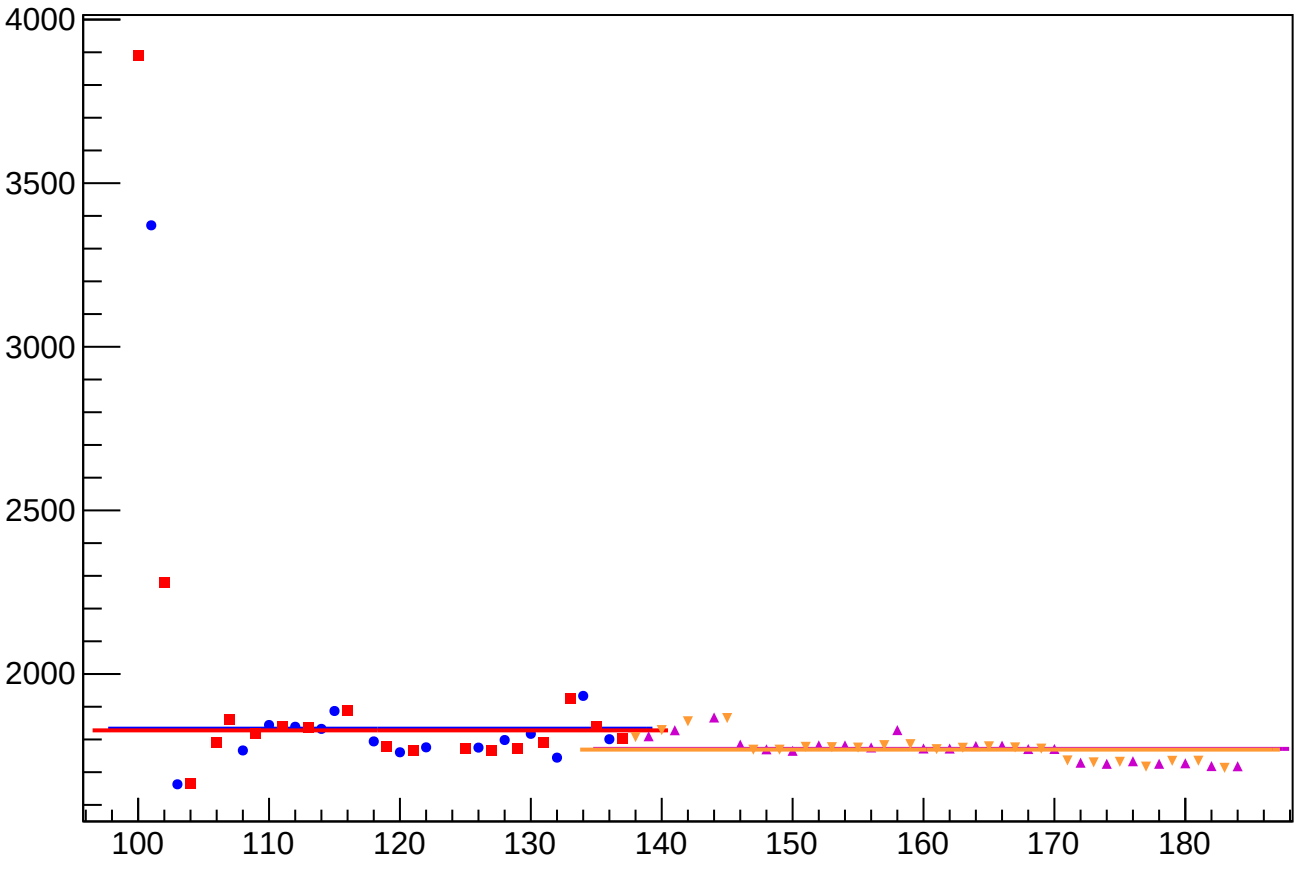
Left: -659.727+/-292.454 χ^2/NDF: 52.9/45

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -702.897+/-354.641 χ^2/NDF:37.9/38

Out: -729.487+/-353.951 χ^2/NDF:37.5/40

All: -716.218+/-250.525 χ^2/NDF: 75.3/79



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: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1770.109+/-0.207 χ^2/NDF: 32212.6/45

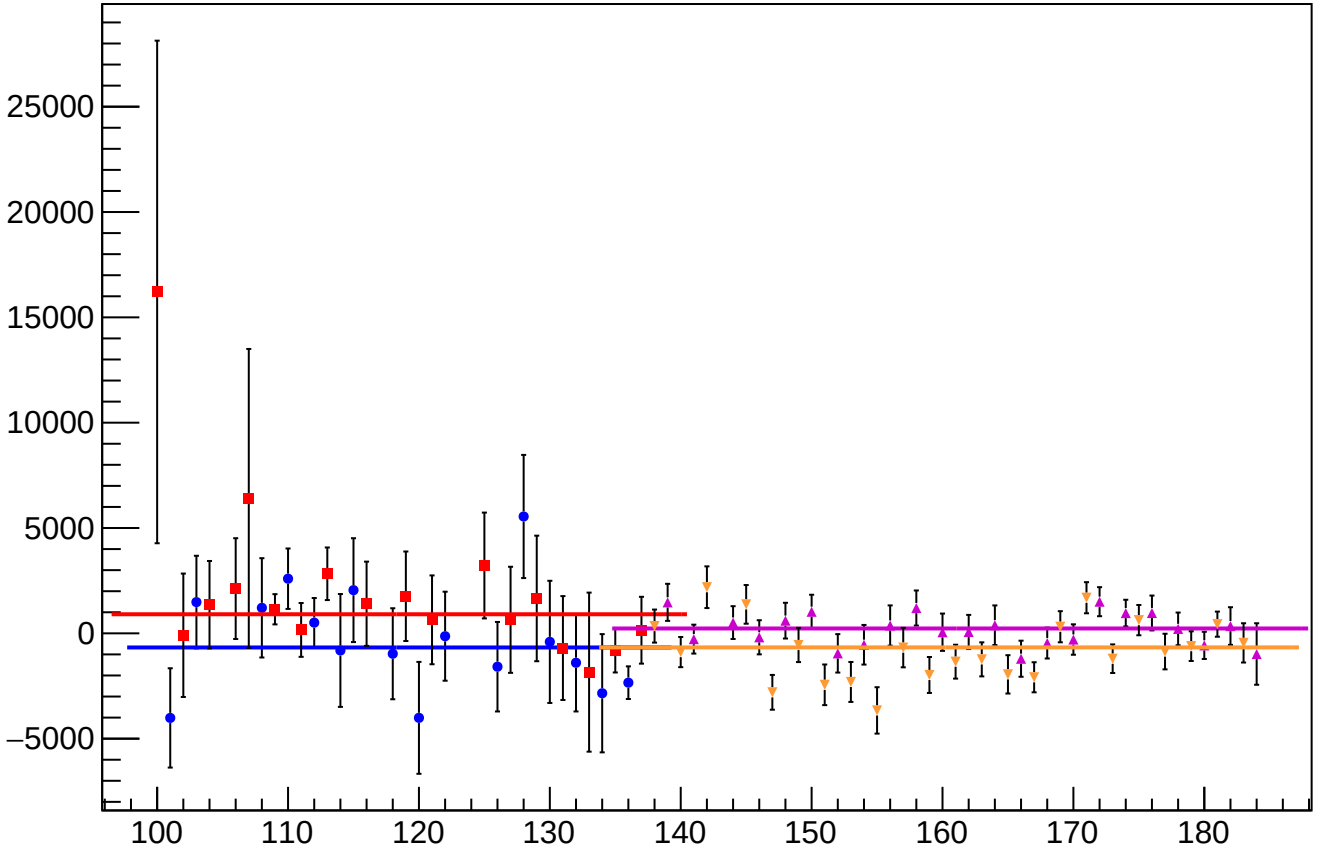
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1787.570+/-0.251 χ^2/NDF:323666.8/38

Out: 1784.723+/-0.250 χ^2/NDF:128836.7/40

All: 1786.144+/-0.177 χ^2/NDF: 452568.1/79

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -667.786+/-167.362 χ^2/NDF:64.3/22

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -221.172+/-118.680 χ^2/NDF: 98.6/45

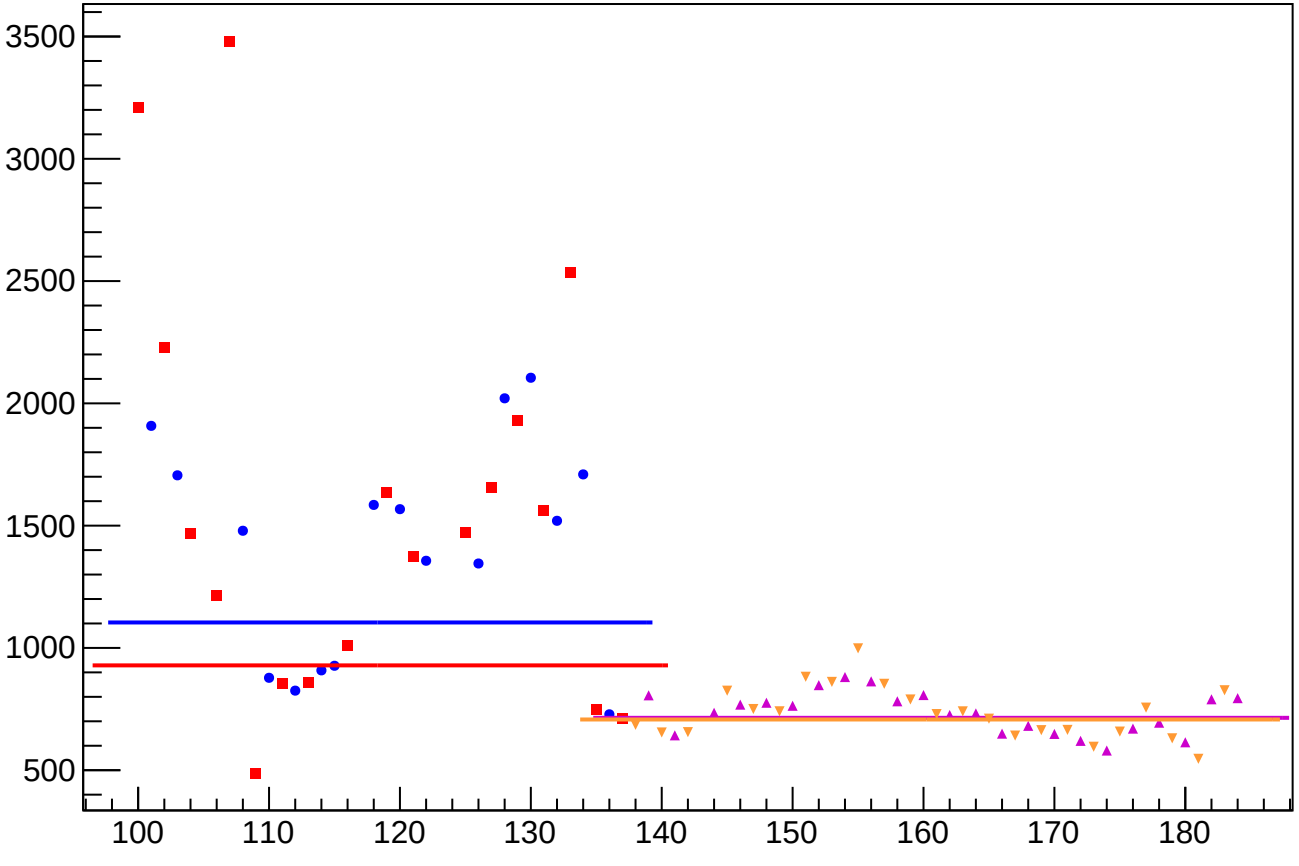
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 116.671+/-157.323 χ^2/NDF:46.3/38

Out: -428.085+/-154.089 χ^2/NDF:88.3/40

All: -161.363+/-110.083 χ^2/NDF: 140.7/79

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: 714.168+/-0.119 χ^2/NDF:497252.3/22

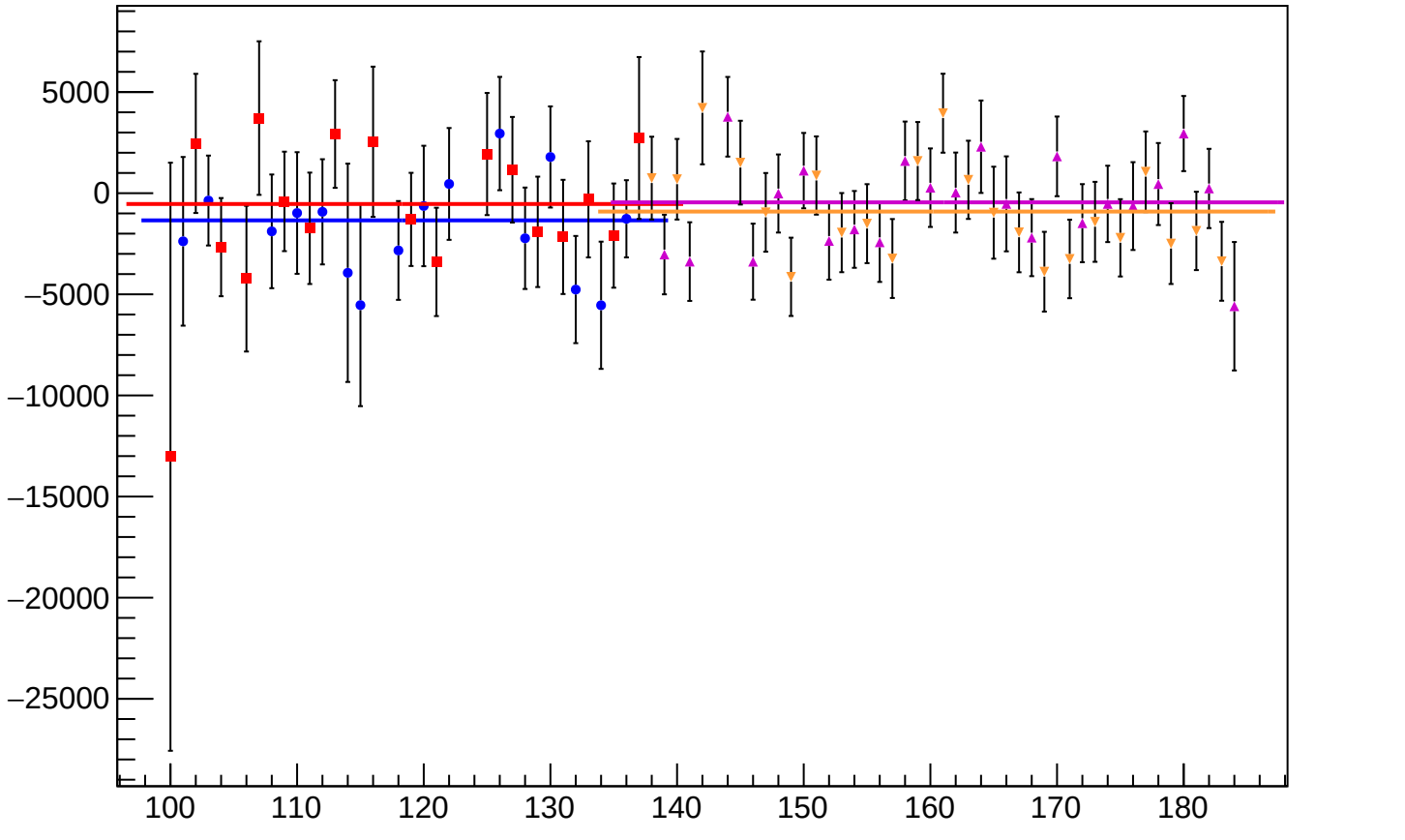
Left: 710.752+/-0.084 χ^2/NDF: 1190908.5/45

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 763.456+/-0.111 χ^2/NDF:3748451.4/38

Out: 741.077+/-0.109 χ^2/NDF:4278820.3/40

All: 752.034+/-0.078 χ^2/NDF: 8047926.0/79



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: -453.237+/-416.200 χ^2/NDF:25.8/22

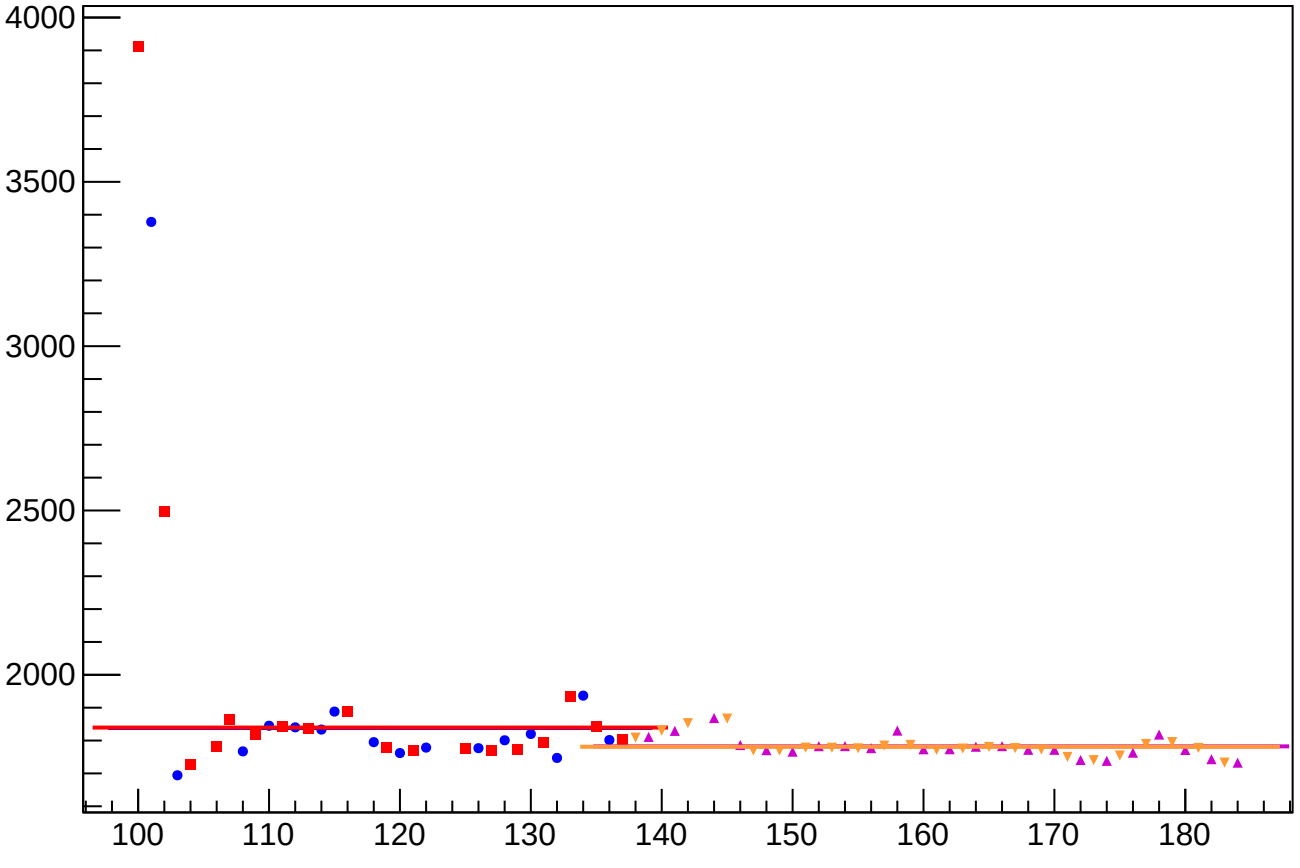
Left: -680.527+/-294.354 χ^2/NDF: 54.4/45

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -690.383+/-356.516 χ^2/NDF:36.6/38

Out: -808.421+/-356.619 χ^2/NDF:39.3/40

All: -749.385+/-252.131 χ^2/NDF: 76.0/79



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: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.721+/-0.208 χ^2/NDF: 20962.7/45

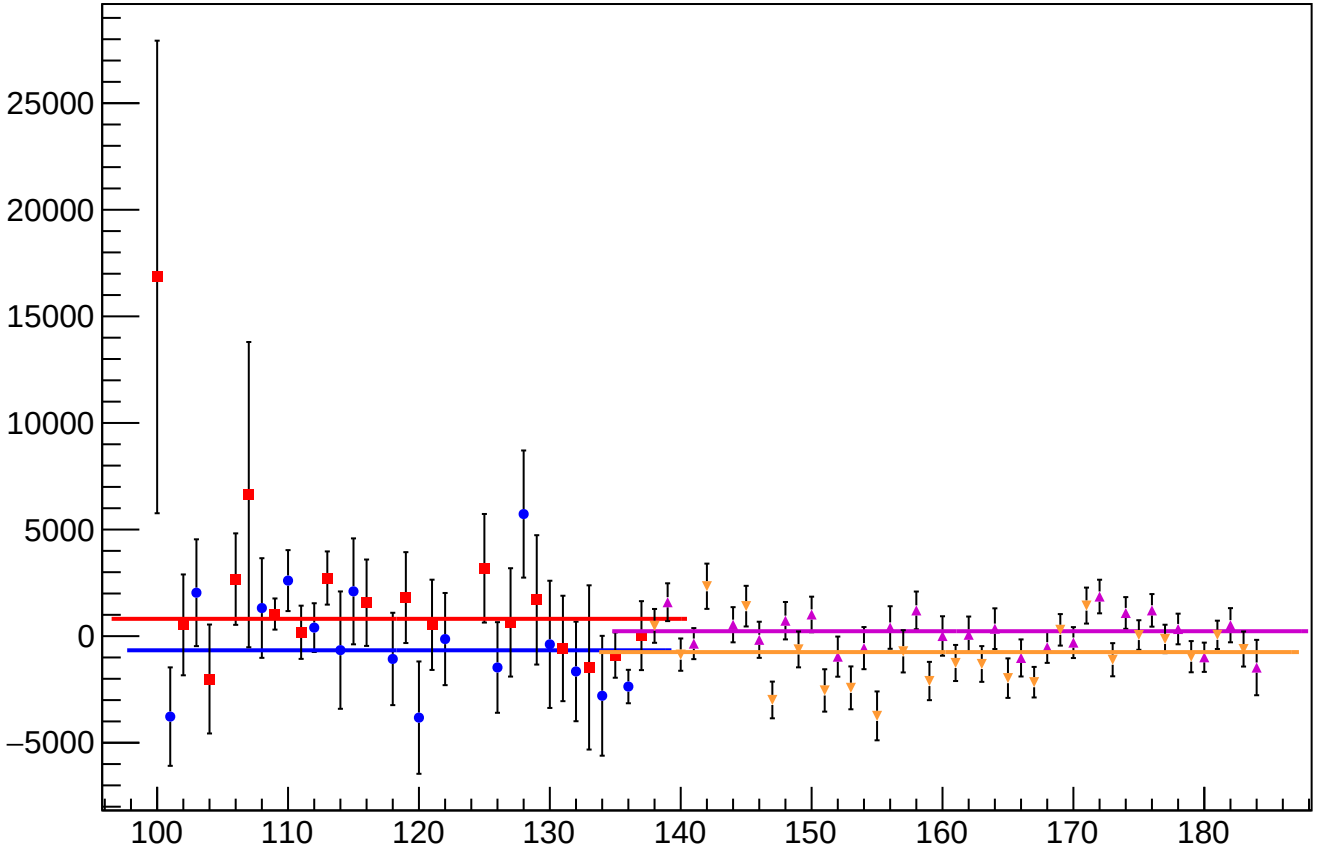
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1797.171+/-0.252 χ^2/NDF:312808.4/38

Out: 1796.693+/-0.252 χ^2/NDF:148448.0/40

All: 1796.932+/-0.178 χ^2/NDF: 461258.2/79

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: 231.320+/-173.436 χ^2/NDF:24.1/22

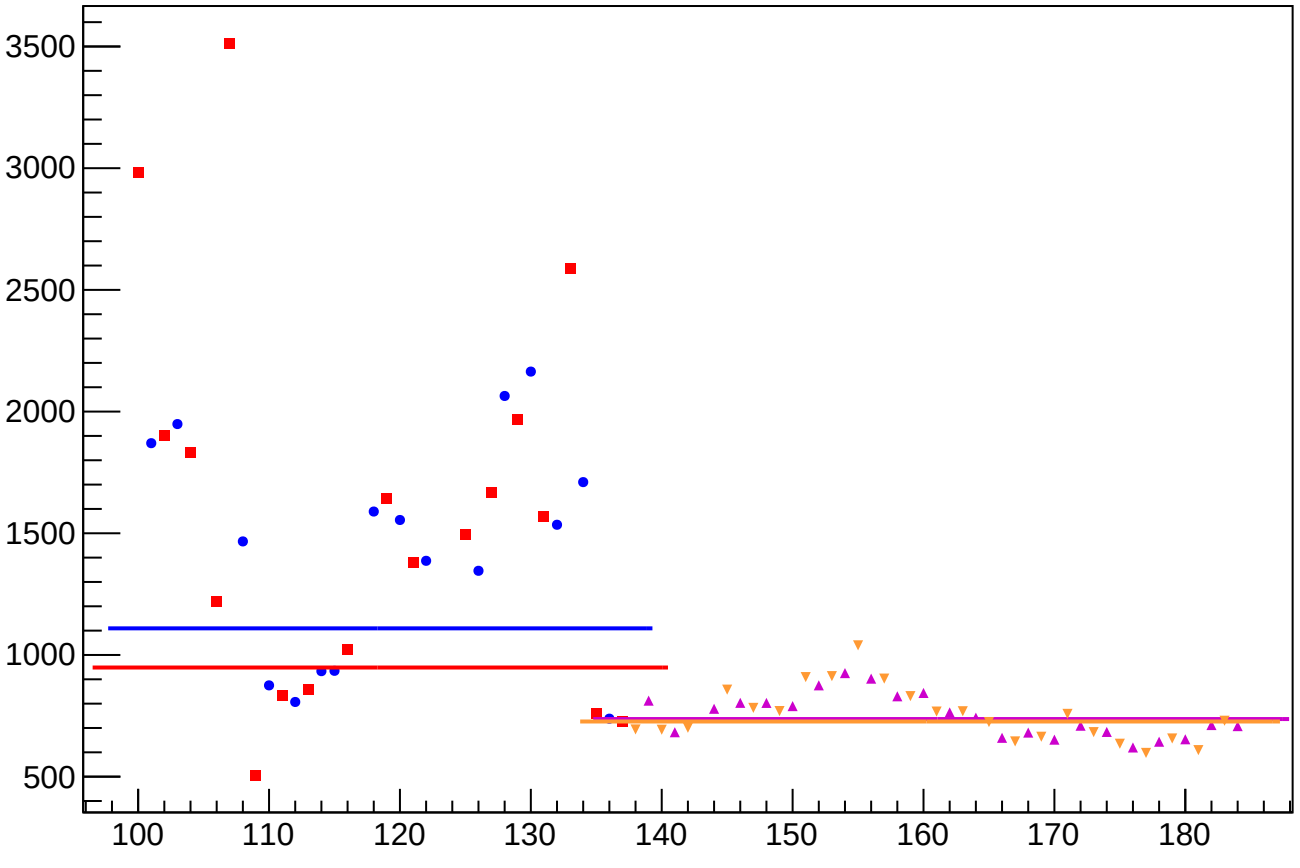
Left: -262.661+/-122.073 χ^2/NDF: 97.3/45

Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 113.737+/-161.639 χ^2/NDF:50.3/38

Out: -501.689+/-157.720 χ^2/NDF:82.3/40

All: -201.528+/-112.885 χ^2/NDF: 140.1/79



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: 736.709+/-0.123 χ^2/NDF:465041.6/22

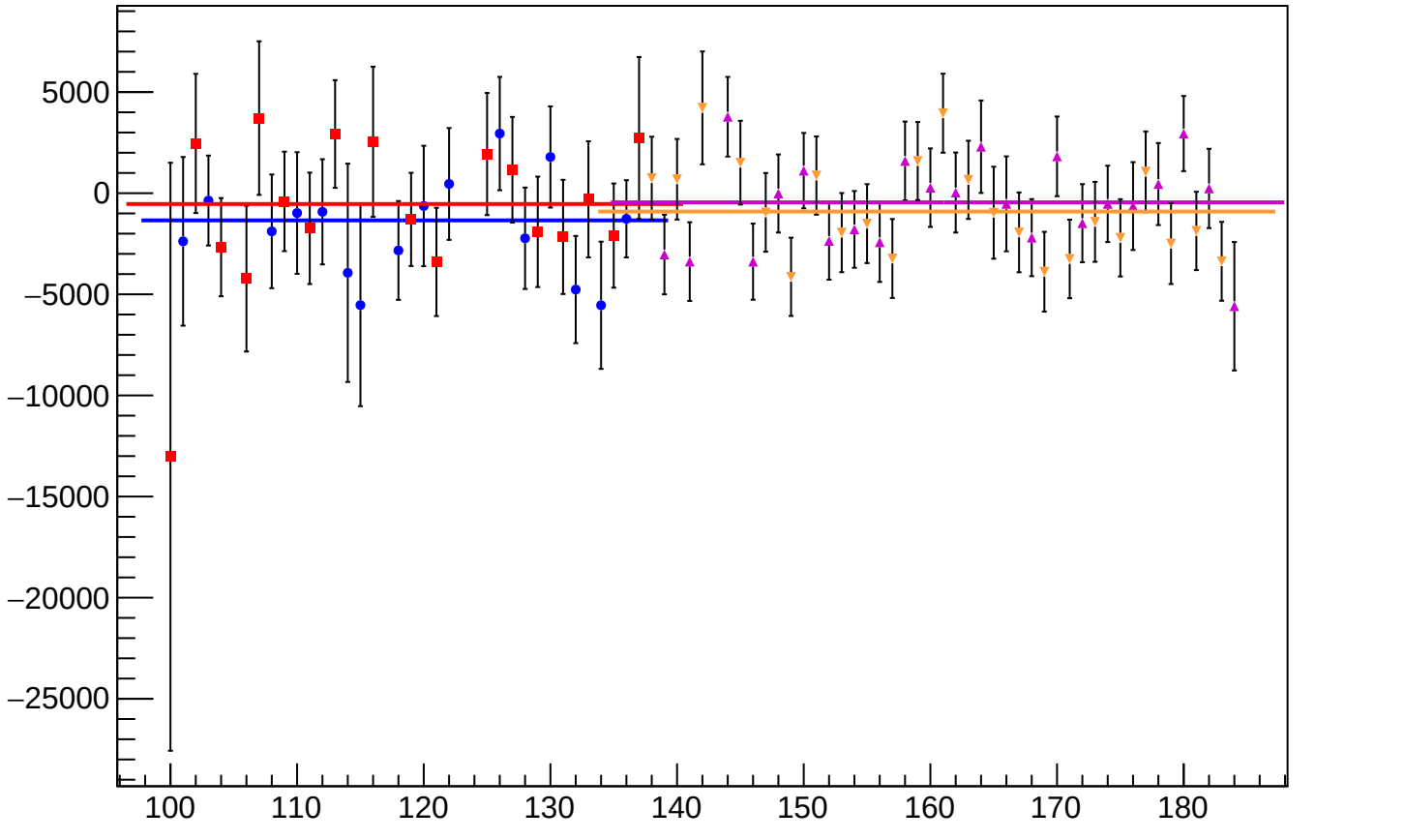
Left: 731.646+/-0.086 χ^2/NDF: 1153179.6/45

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 785.678+/-0.114 χ^2/NDF:3651720.0/38

Out: 761.644+/-0.112 χ^2/NDF:4263592.2/40

All: 773.366+/-0.080 χ^2/NDF: 7937963.7/79



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -907.988+/-416.358 χ^2/NDF:28.0/22

Right Out: -534.199+/-690.970 χ^2/NDF: 11.1/17

Left In: -453.236+/-416.200 χ^2/NDF:25.8/22

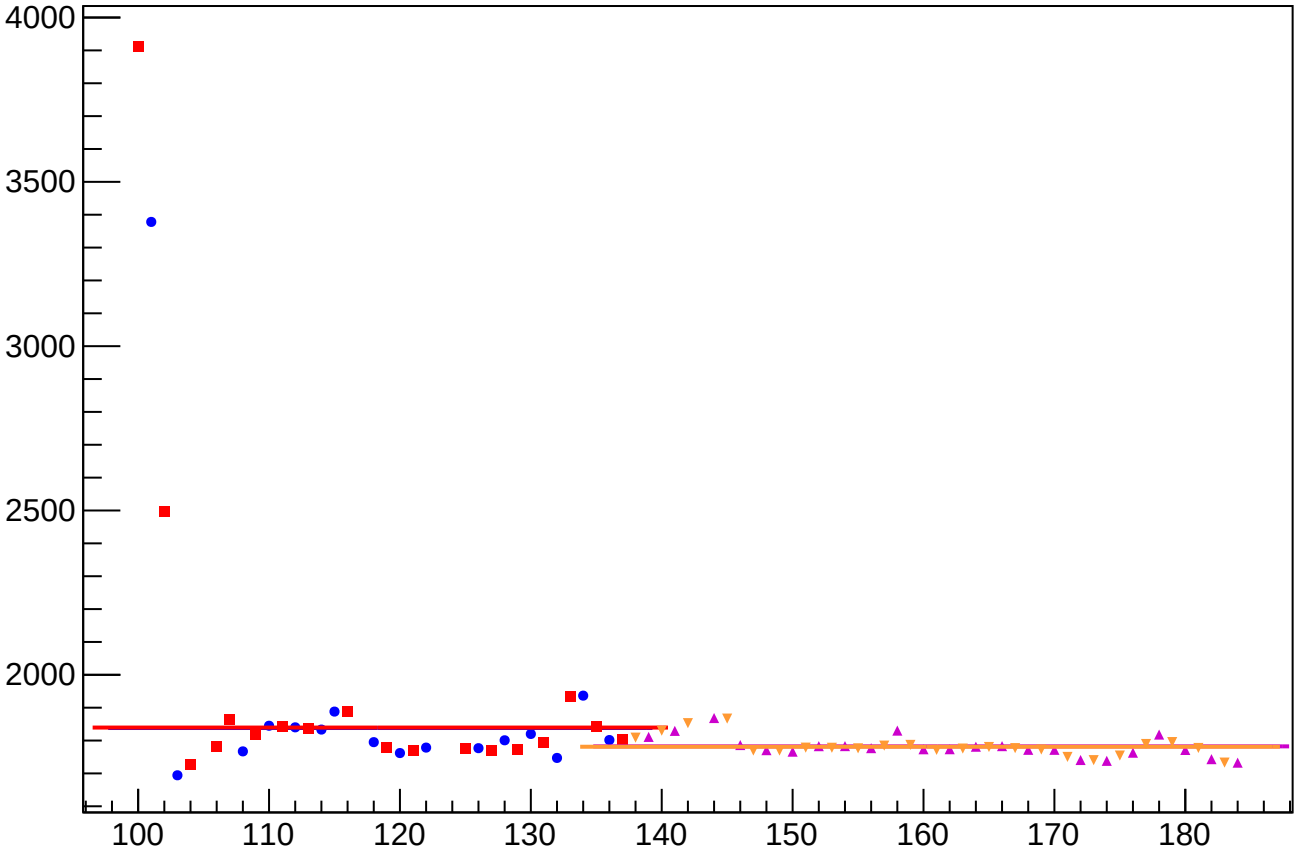
Left: -680.526+/-294.354 χ^2/NDF: 54.4/45

Right: -939.094+/-488.579 χ^2/NDF: 21.4/33

In: -690.383+/-356.516 χ^2/NDF:36.6/38

Out: -808.421+/-356.619 χ^2/NDF:39.3/40

All: -749.385+/-252.131 χ^2/NDF: 76.0/79



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: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.721+/-0.208 χ^2/NDF: 20962.7/45

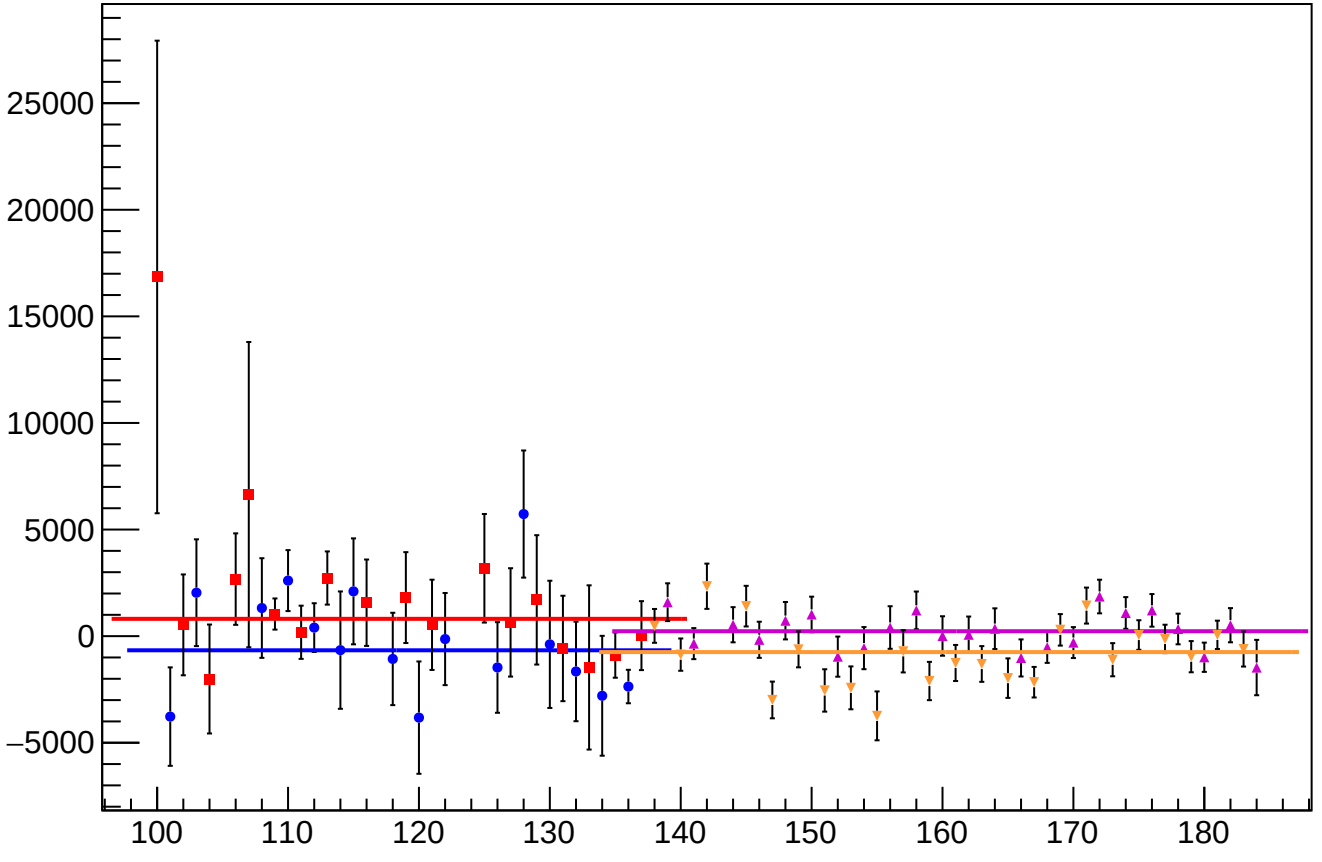
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1797.171+/-0.252 χ^2/NDF:312808.4/38

Out: 1796.693+/-0.252 χ^2/NDF:148448.1/40

All: 1796.932+/-0.178 χ^2/NDF: 461258.3/79

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: 231.318+/-173.435 χ^2/NDF:24.1/22

Left: -262.662+/-122.073 χ^2/NDF: 97.3/45

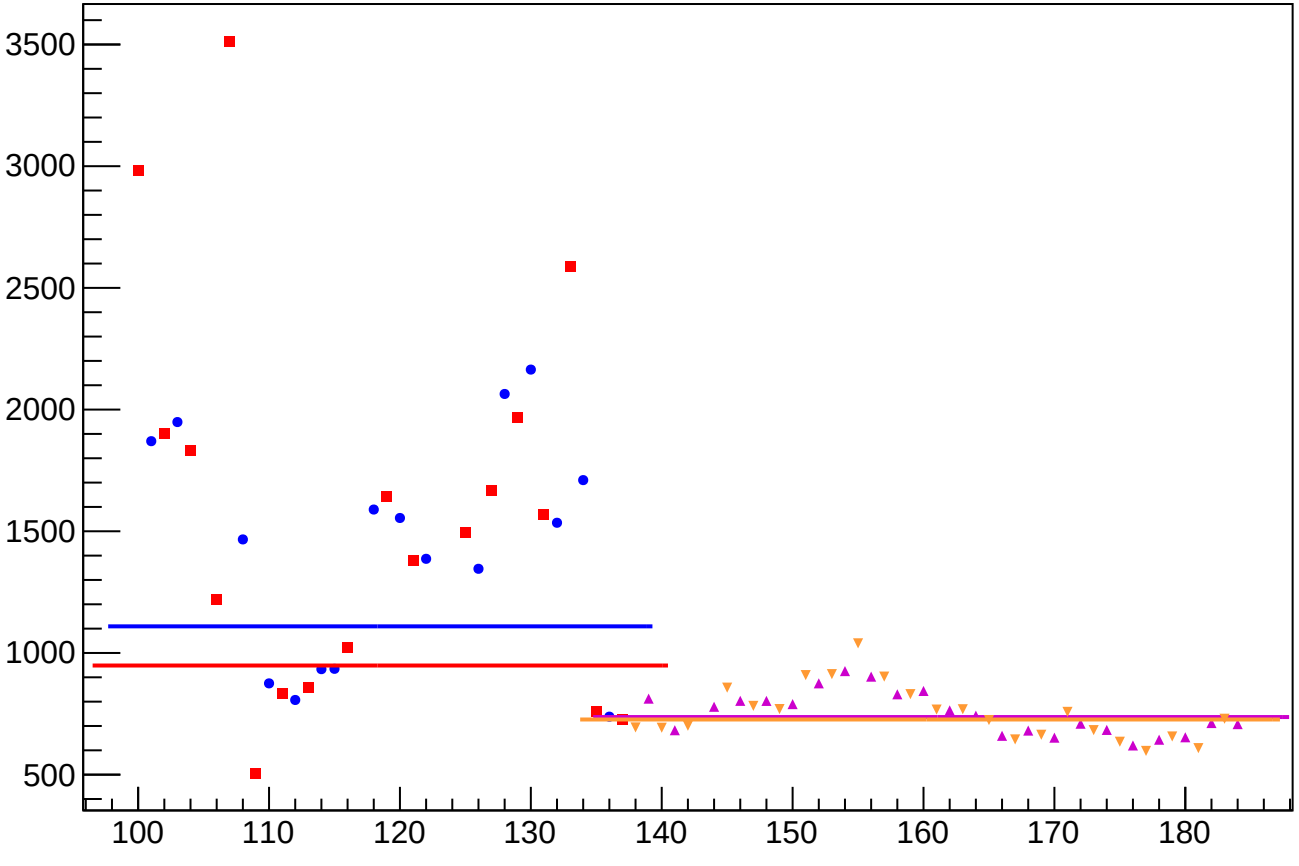
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 113.738+/-161.639 χ^2/NDF:50.3/38

Out: -501.690+/-157.720 χ^2/NDF:82.3/40

All: -201.528+/-112.885 χ^2/NDF: 140.1/79

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: 736.709+/-0.123 χ^2/NDF:465053.4/22

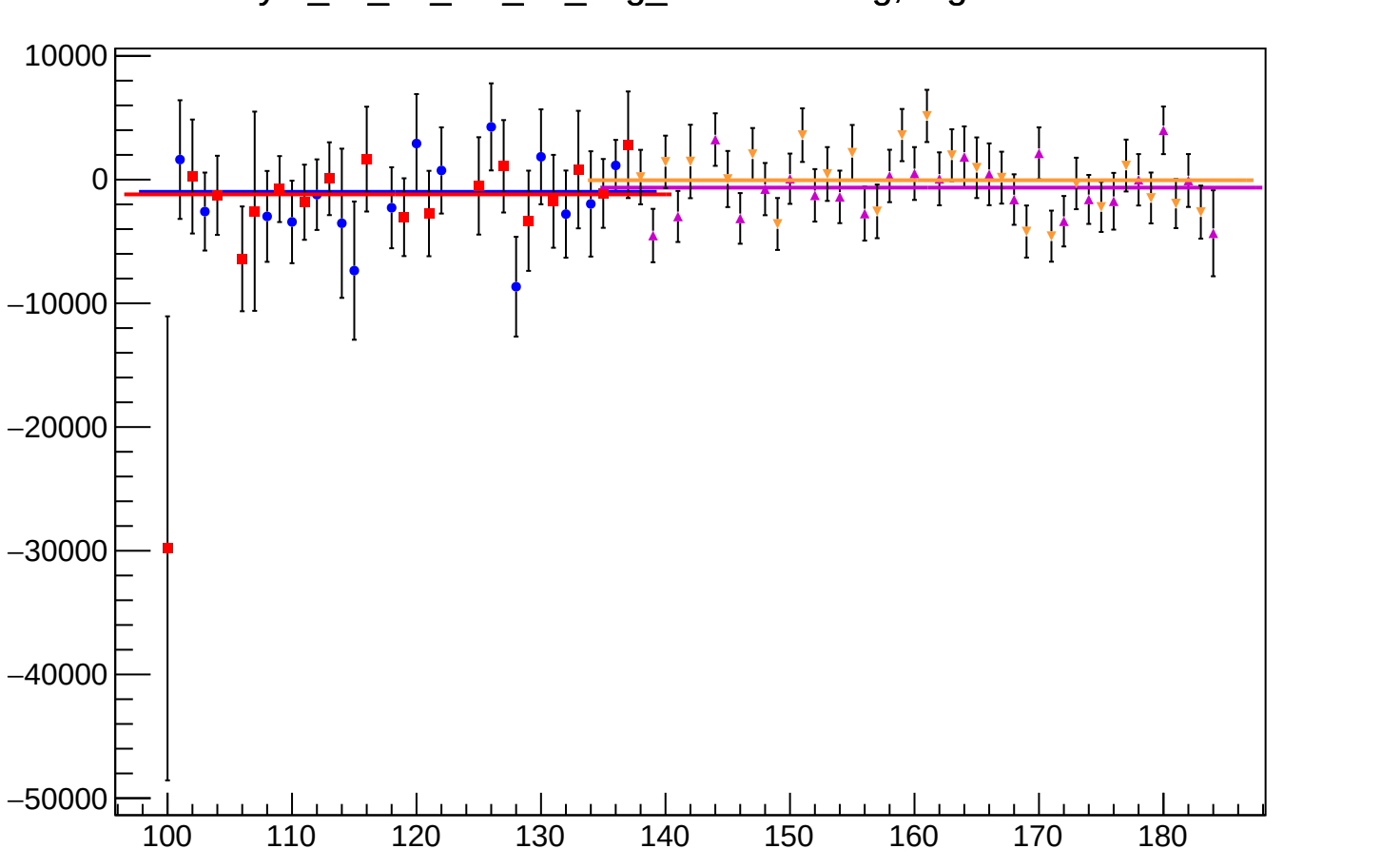
Left: 731.646+/-0.086 χ^2/NDF: 1153187.0/45

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 785.678+/-0.114 χ^2/NDF:3651713.0/38

Out: 761.644+/-0.112 χ^2/NDF:4263571.4/40

All: 773.366+/-0.080 χ^2/NDF: 7937934.5/79



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: -646.910+/-448.538 χ^2/NDF:23.7/22

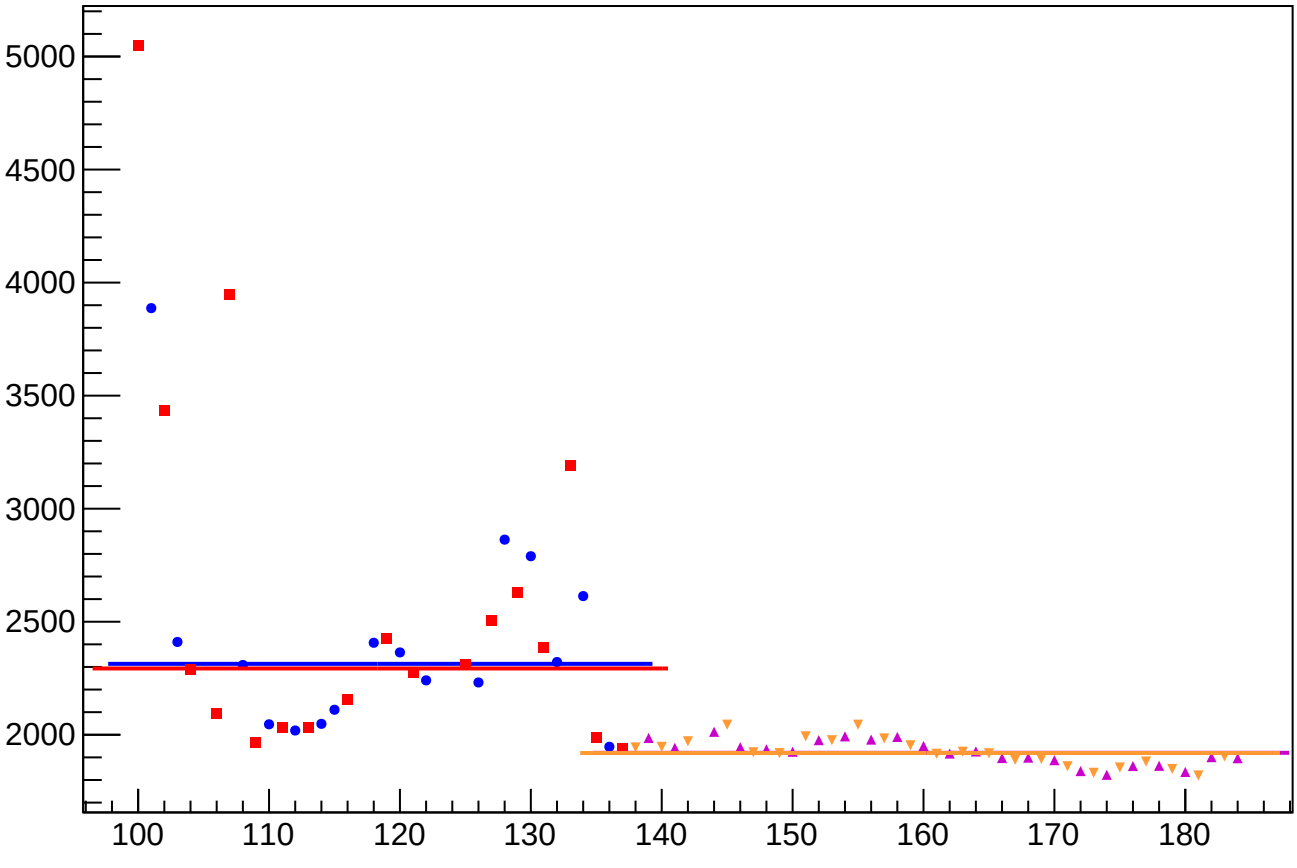
Left: -348.302+/-317.267 χ^2/NDF: 57.5/45

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -717.940+/-399.040 χ^2/NDF:35.8/38

Out: -289.353+/-398.917 χ^2/NDF:41.3/40

All: -503.581+/-282.121 χ^2/NDF: 77.6/79



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: 1920.214+/-0.317 χ^2/NDF:29912.0/22

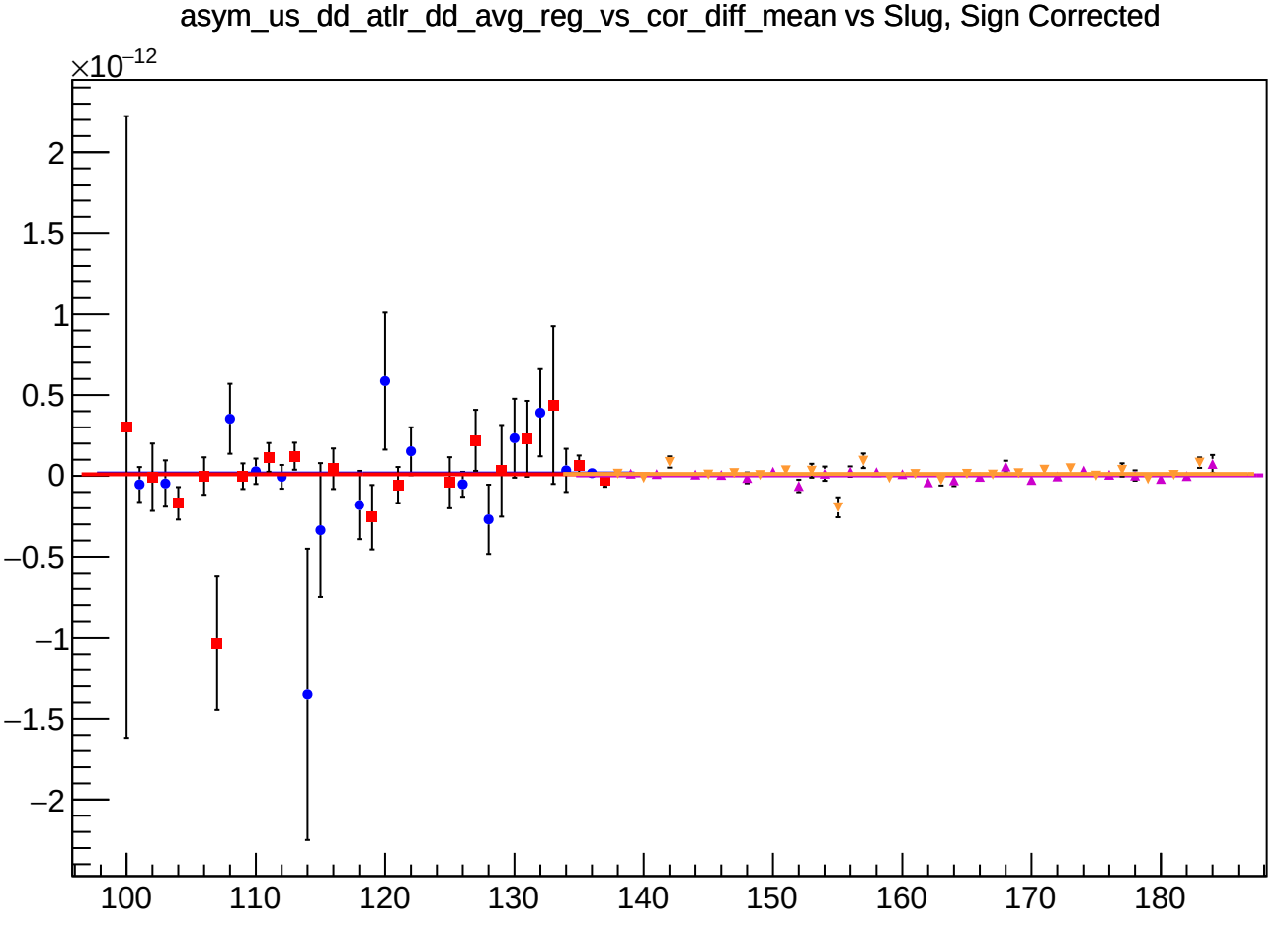
Left: 1919.760+/-0.224 χ^2/NDF: 65414.9/45

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2002.277+/-0.282 χ^2/NDF:753701.6/38

Out: 1997.854+/-0.282 χ^2/NDF:780336.6/40

All: 2000.065+/-0.199 χ^2/NDF: 1534161.1/79



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:19.6/22

Left: 0.000+/-0.000 χ^2/NDF: 57.9/45

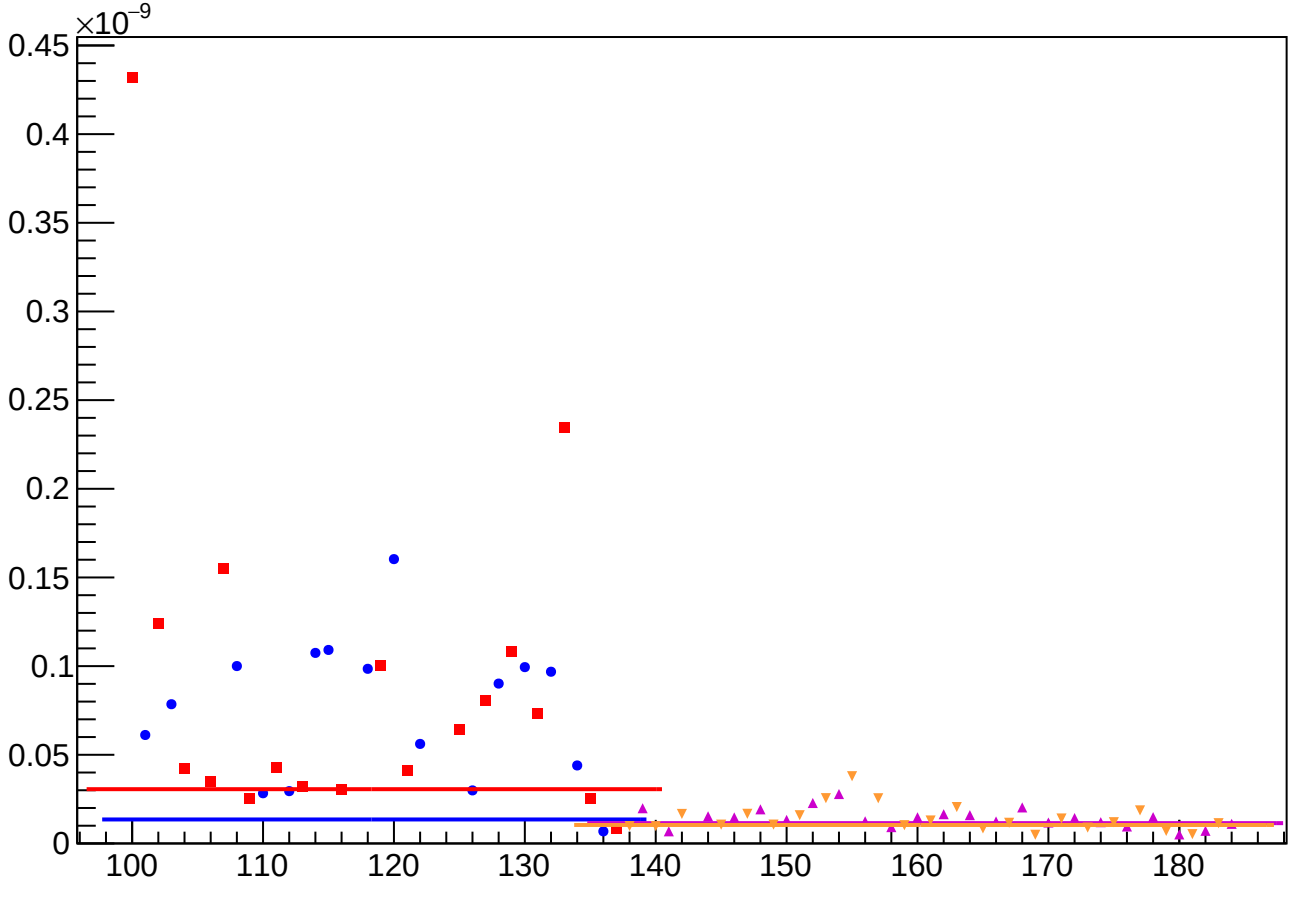
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:35.1/38

Out: 0.000+/-0.000 χ^2/NDF:56.3/40

All: 0.000+/-0.000 χ^2/NDF: 92.6/79

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2074312.0/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4013043.7/45

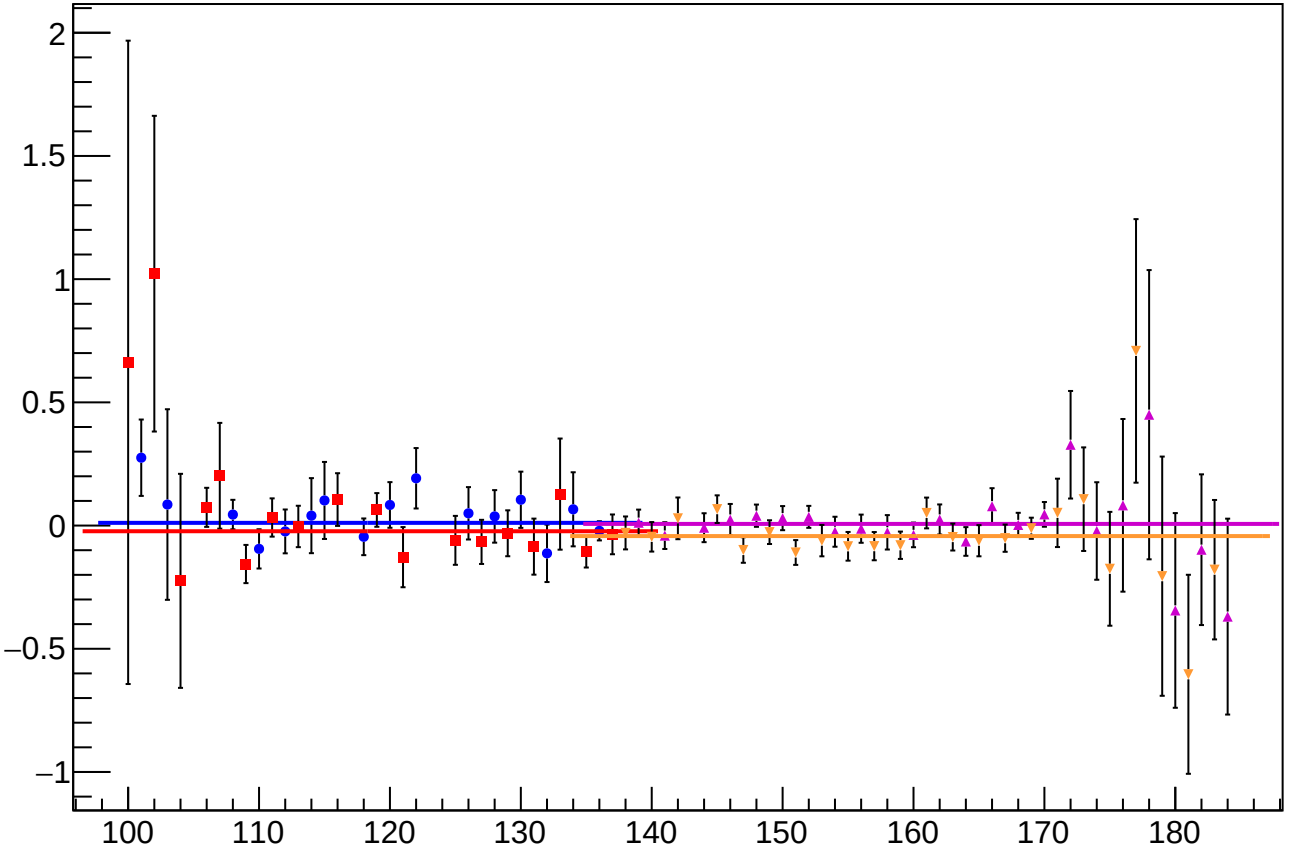
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:5349295.3/38

Out: 0.000+/-0.000 χ^2/NDF:5775205.2/40

All: 0.000+/-0.000 χ^2/NDF: 11136878.0/79

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-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:11.3/22

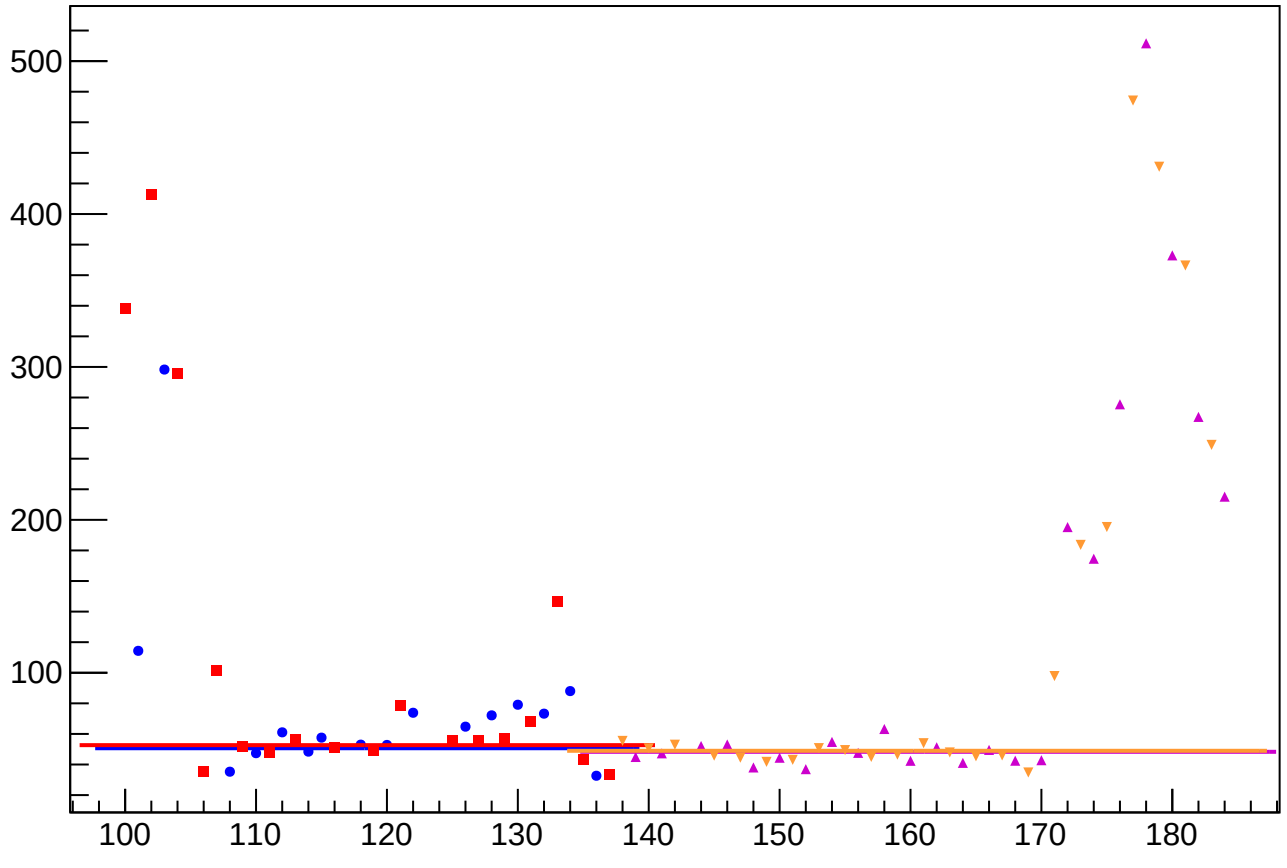
Left: -0.017+/-0.010 χ^2/NDF: 35.4/45

Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:23.1/38

Out: -0.037+/-0.012 χ^2/NDF:34.1/40

All: -0.014+/-0.008 χ^2/NDF: 64.7/79



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: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.631+/-0.007 χ^2/NDF: 14031625.8/45

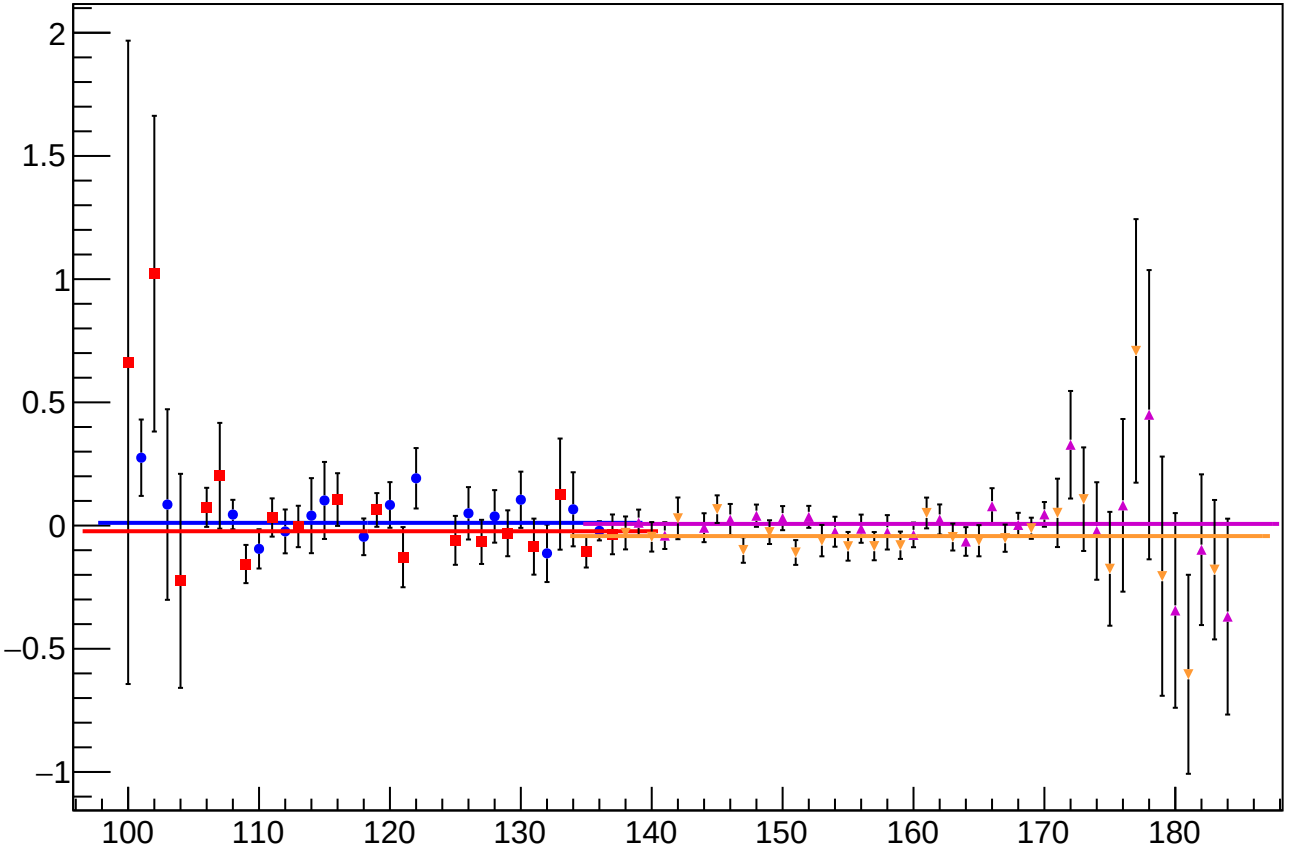
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.953+/-0.008 χ^2/NDF:9323647.3/38

Out: 49.956+/-0.008 χ^2/NDF:9237998.8/40

All: 49.437+/-0.006 χ^2/NDF: 18568975.2/79

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:11.3/22

Left: -0.017+/-0.010 χ^2/NDF: 35.4/45

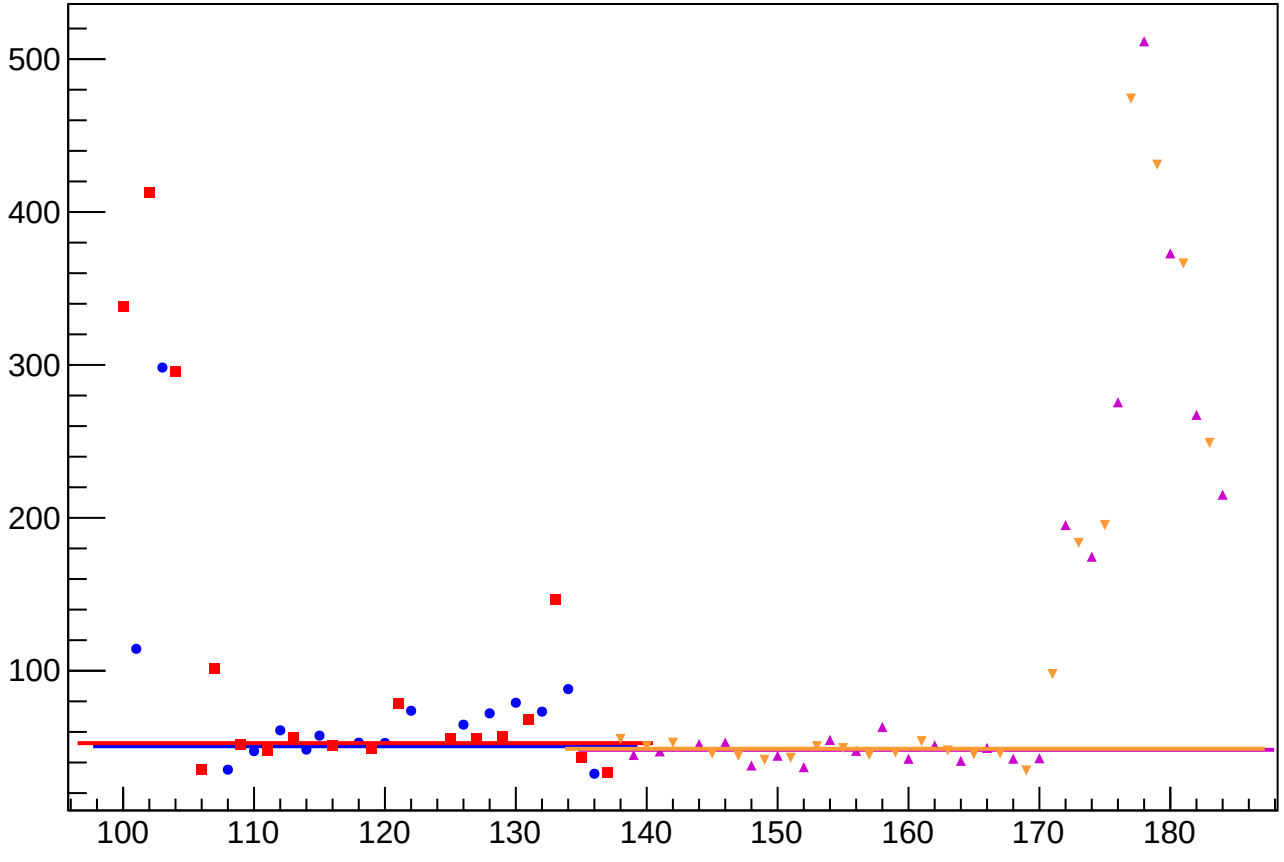
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:23.1/38

Out: -0.037+/-0.012 χ^2/NDF:34.1/40

All: -0.014+/-0.008 χ^2/NDF: 64.7/79

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: 48.307+/-0.010 χ^2/NDF:7040663.5/22

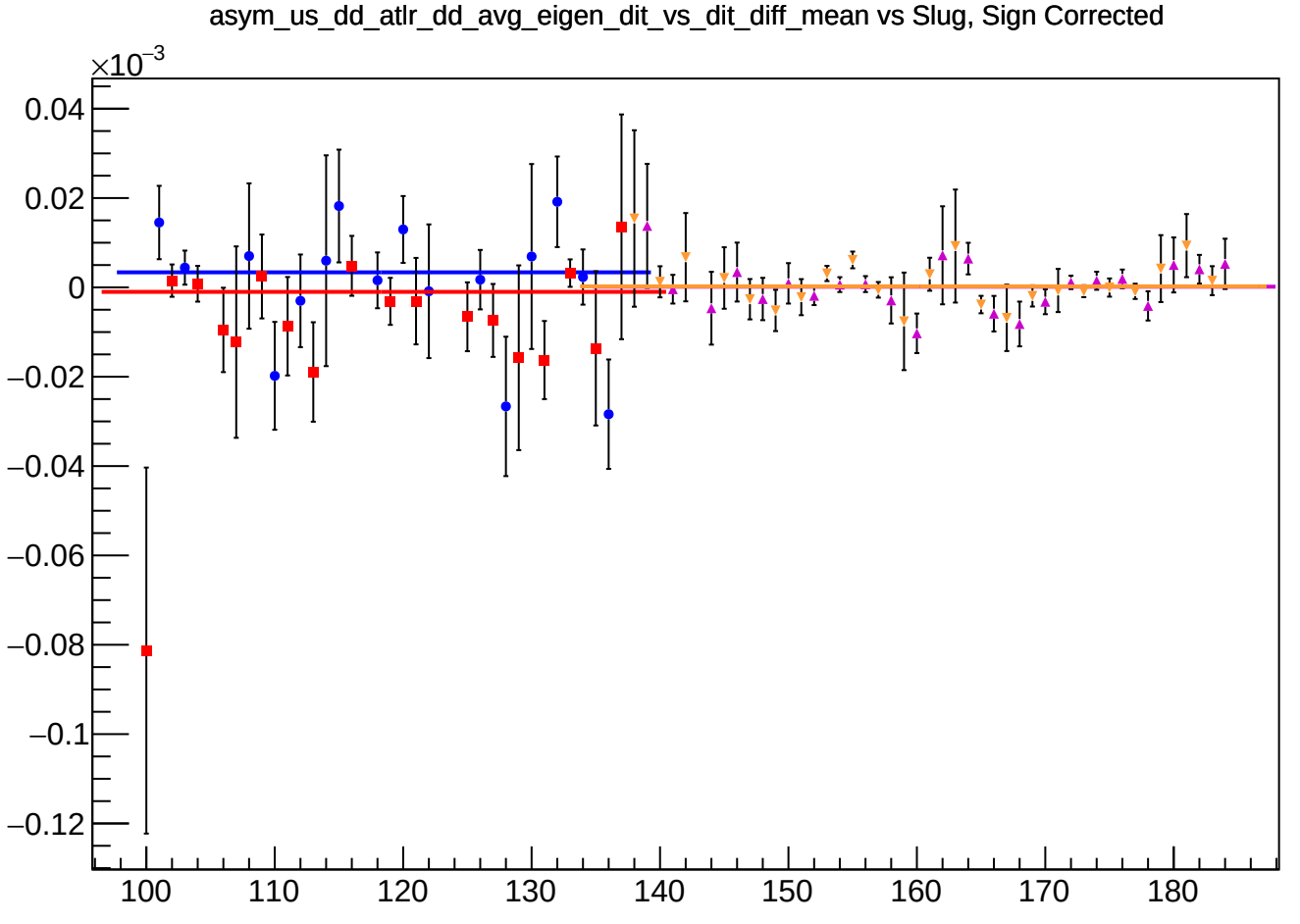
Left: 48.631+/-0.007 χ^2/NDF: 14031625.8/45

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.953+/-0.008 χ^2/NDF:9323647.3/38

Out: 49.956+/-0.008 χ^2/NDF:9237998.8/40

All: 49.437+/-0.006 χ^2/NDF: 18568975.2/79



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:25.3/22

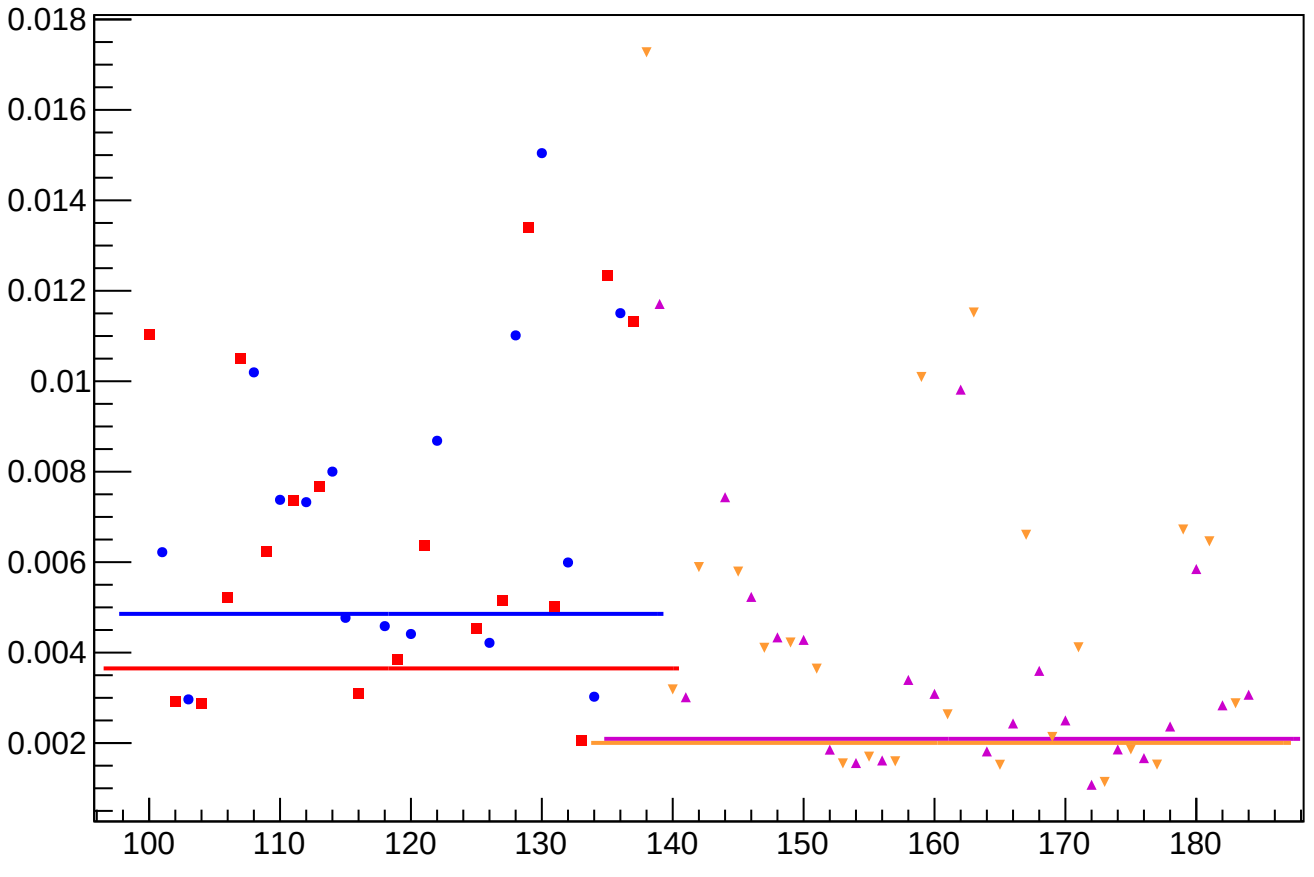
Left: 0.000+/-0.000 χ^2/NDF: 52.5/45

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:49.7/38

Out: 0.000+/-0.000 χ^2/NDF:45.0/40

All: 0.000+/-0.000 χ^2/NDF: 94.9/79



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:10180494.8/22

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17345504.8/45

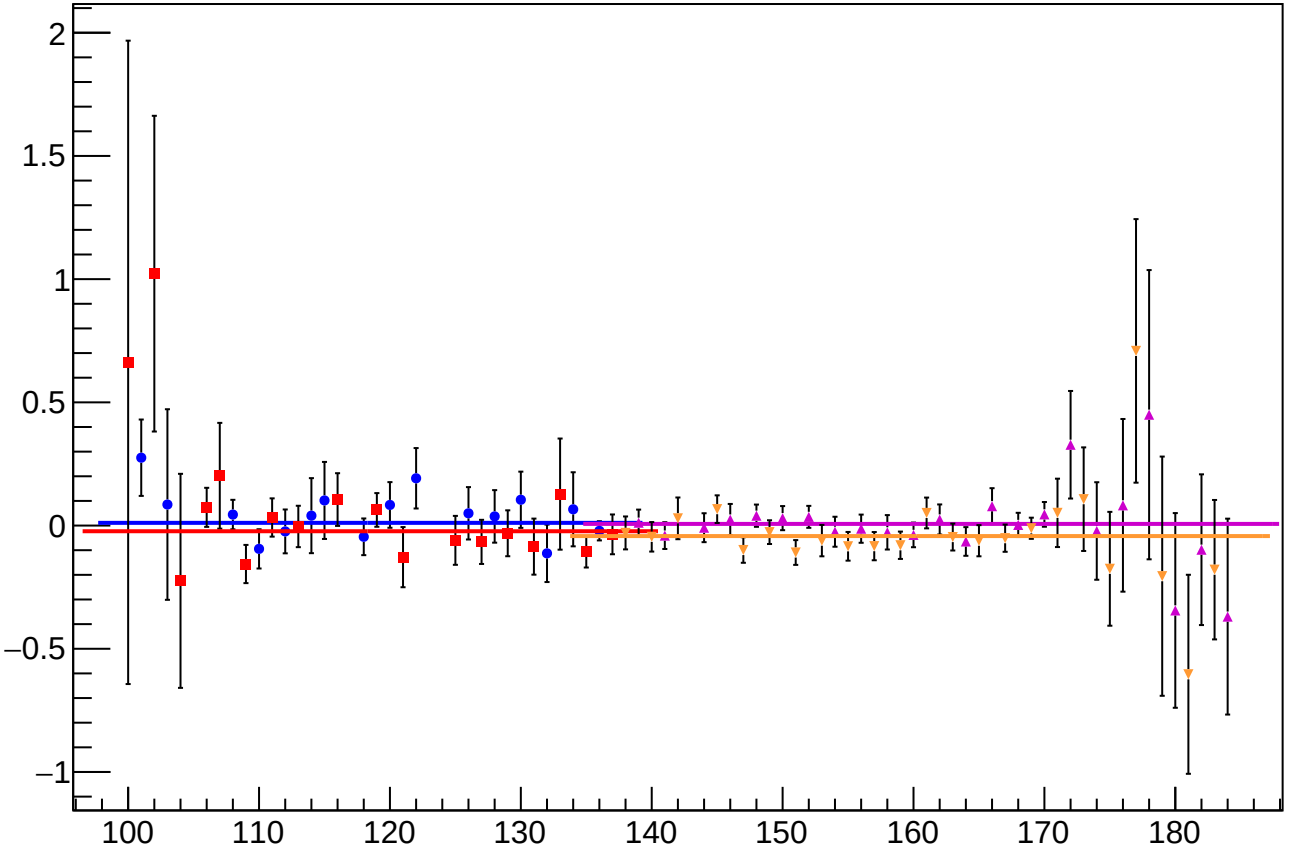
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.002+/-0.000 χ^2/NDF:13139921.3/38

Out: 0.002+/-0.000 χ^2/NDF:15241793.4/40

All: 0.002+/-0.000 χ^2/NDF: 28424184.2/79

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:11.3/22

Left: -0.017+/-0.010 χ^2/NDF: 35.4/45

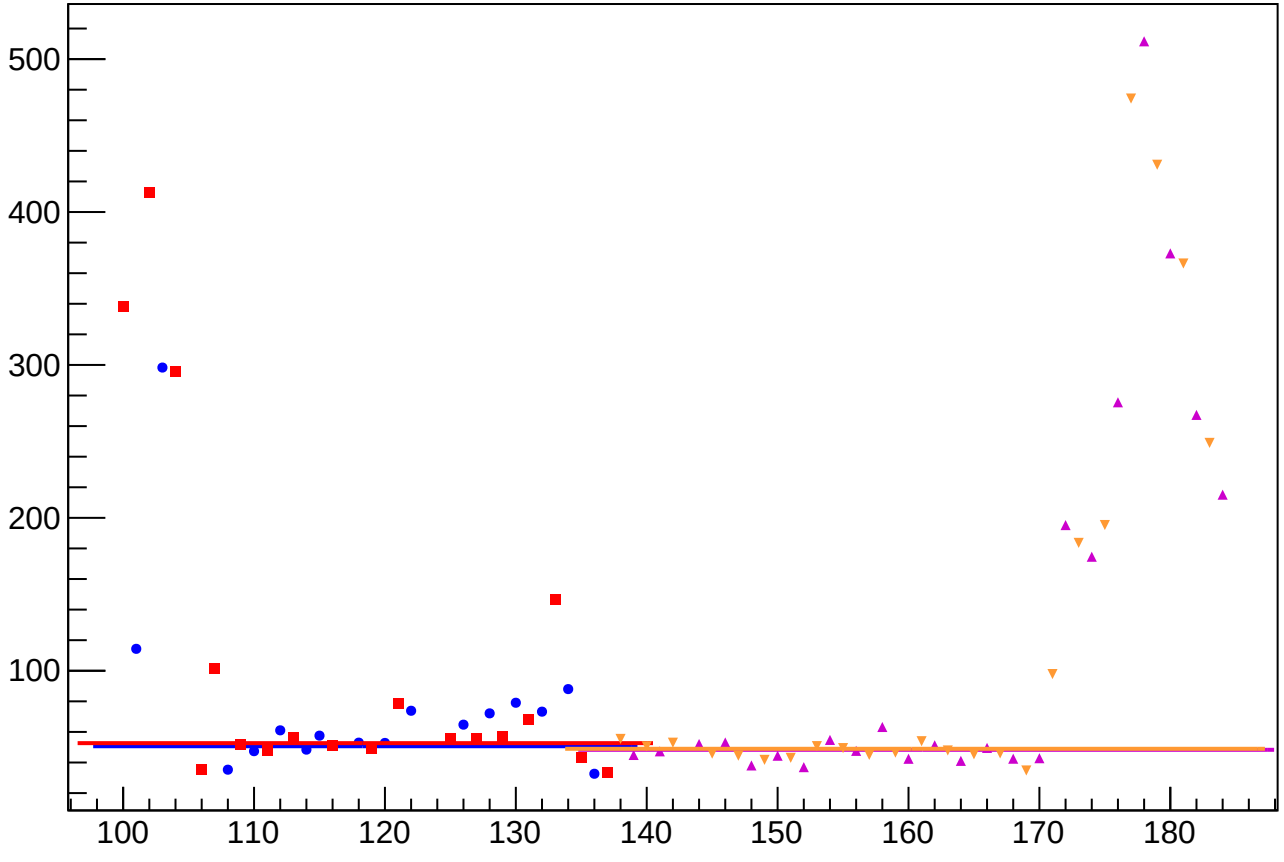
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:23.1/38

Out: -0.037+/-0.012 χ^2/NDF:34.1/40

All: -0.014+/-0.008 χ^2/NDF: 64.7/79

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: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.631+/-0.007 χ^2/NDF: 14031555.7/45

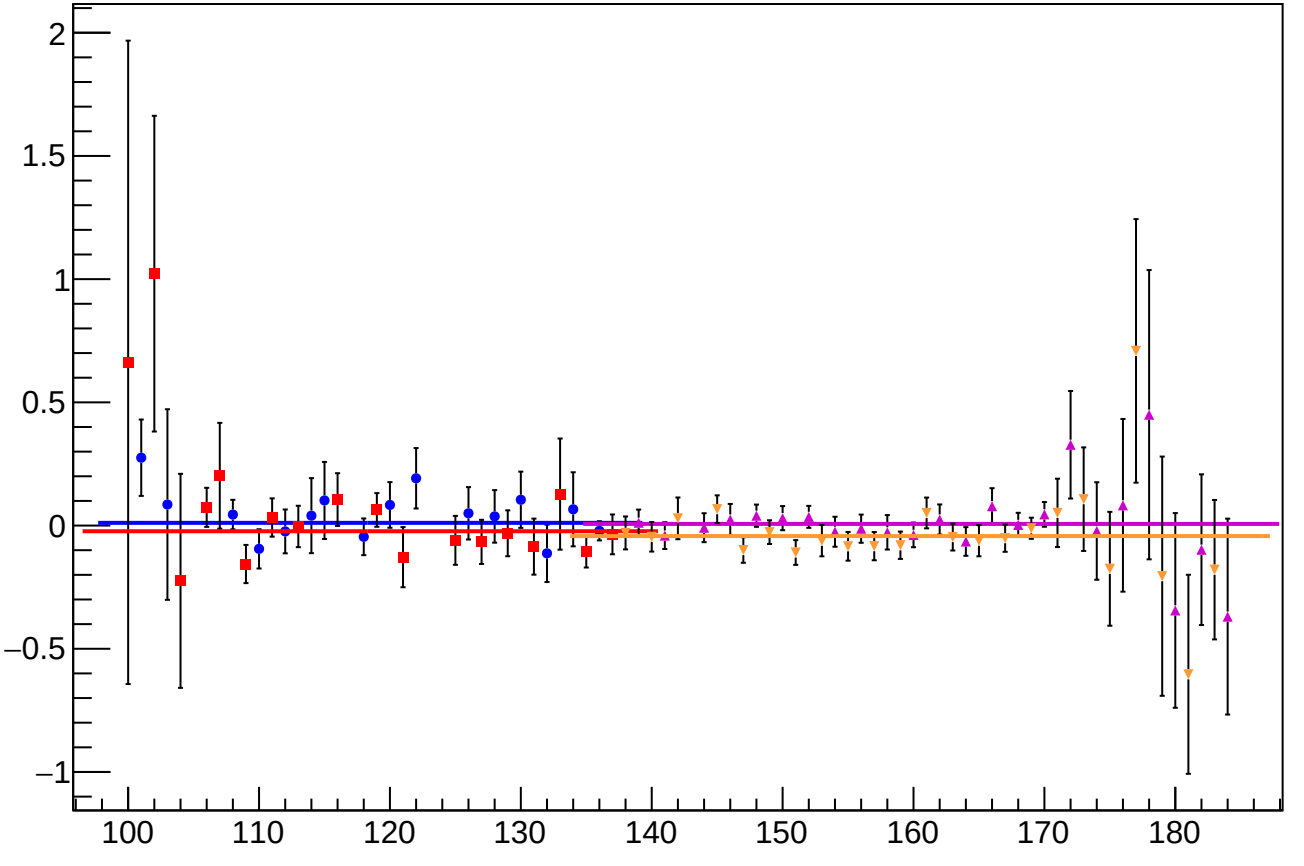
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.954+/-0.008 χ^2/NDF:9323474.6/38

Out: 49.956+/-0.008 χ^2/NDF:9237918.0/40

All: 49.437+/-0.006 χ^2/NDF: 18568716.2/79

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:11.3/22

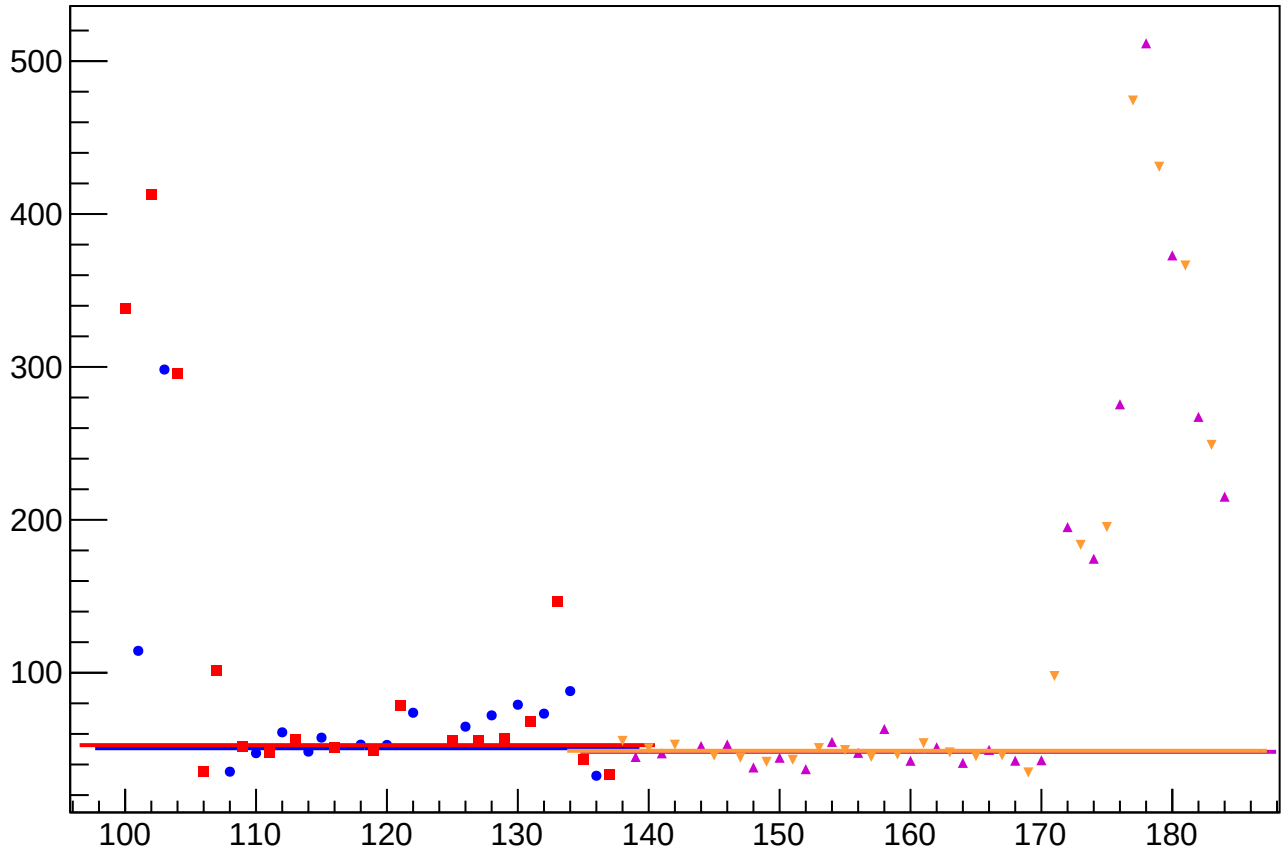
Left: -0.017+/-0.010 χ^2/NDF: 35.4/45

Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:23.1/38

Out: -0.037+/-0.012 χ^2/NDF:34.1/40

All: -0.014+/-0.008 χ^2/NDF: 64.7/79



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: 48.307+/-0.010 χ^2/NDF:7040585.4/22

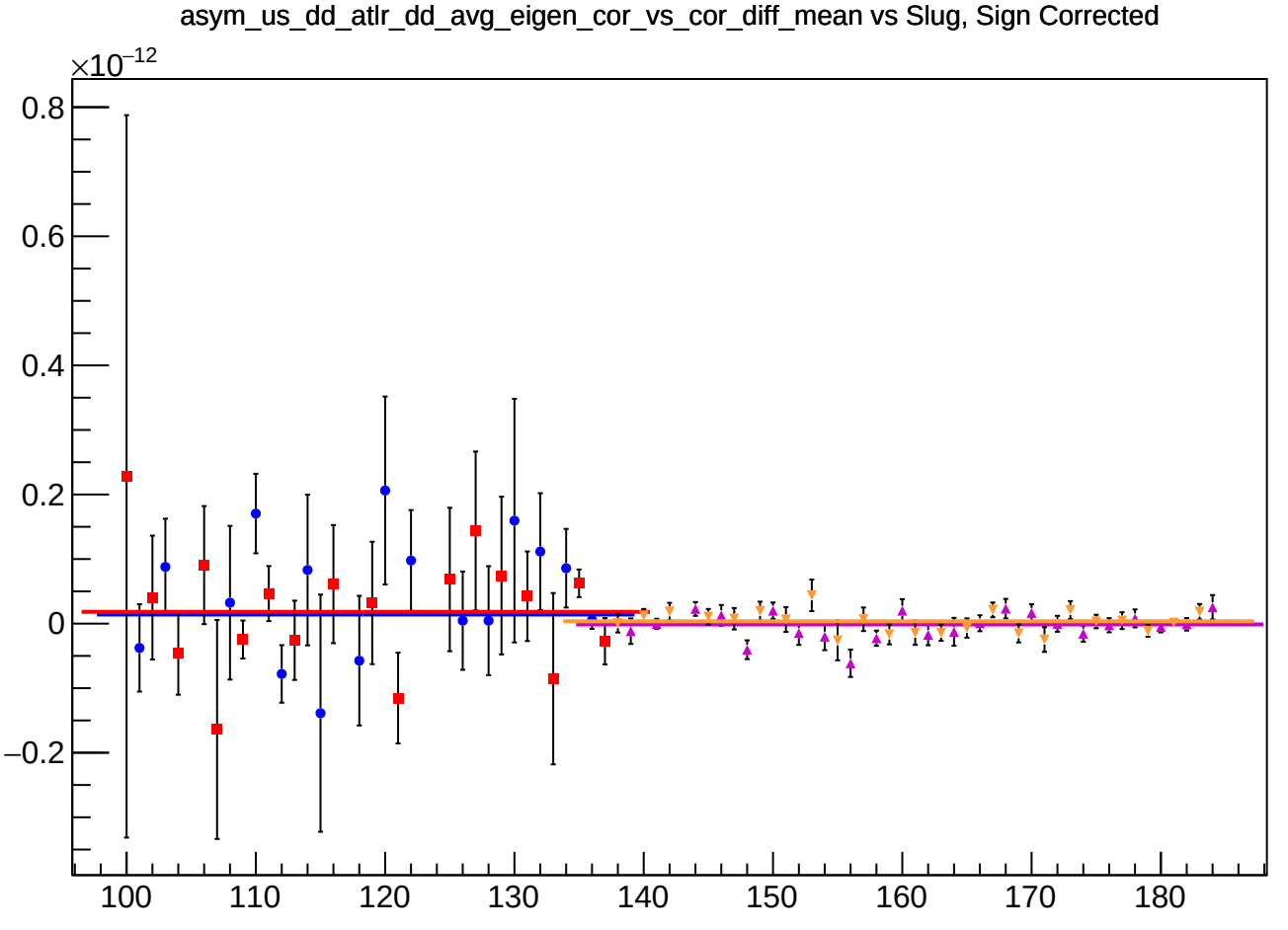
Left: 48.631+/-0.007 χ^2/NDF: 14031555.7/45

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.954+/-0.008 χ^2/NDF:9323474.6/38

Out: 49.956+/-0.008 χ^2/NDF:9237918.0/40

All: 49.437+/-0.006 χ^2/NDF: 18568716.2/79



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:40.0/22

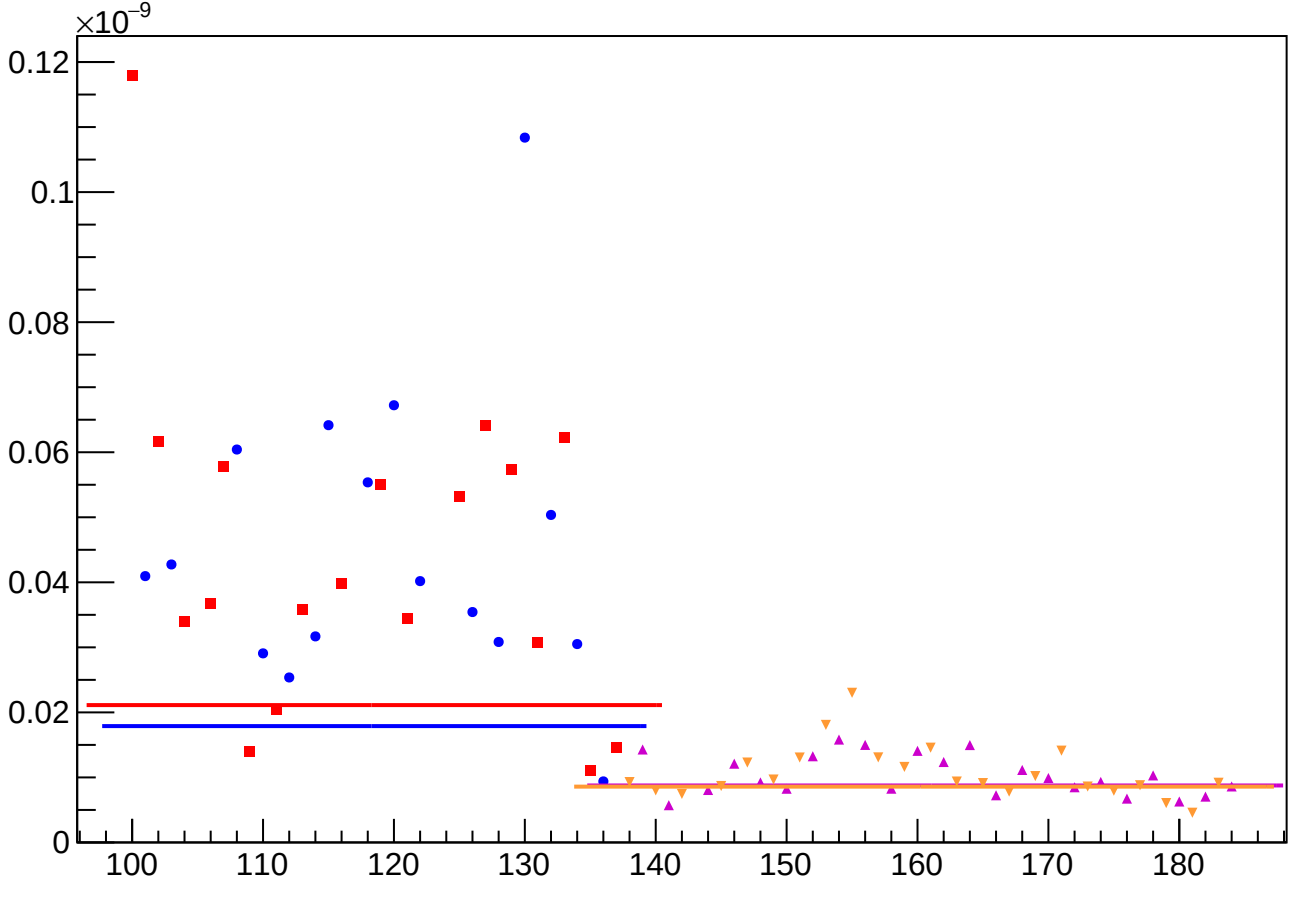
Left: 0.000+/-0.000 χ^2/NDF: 66.2/45

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:62.1/38

Out: 0.000+/-0.000 χ^2/NDF:43.9/40

All: 0.000+/-0.000 χ^2/NDF: 107.6/79



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:1954811.1/22

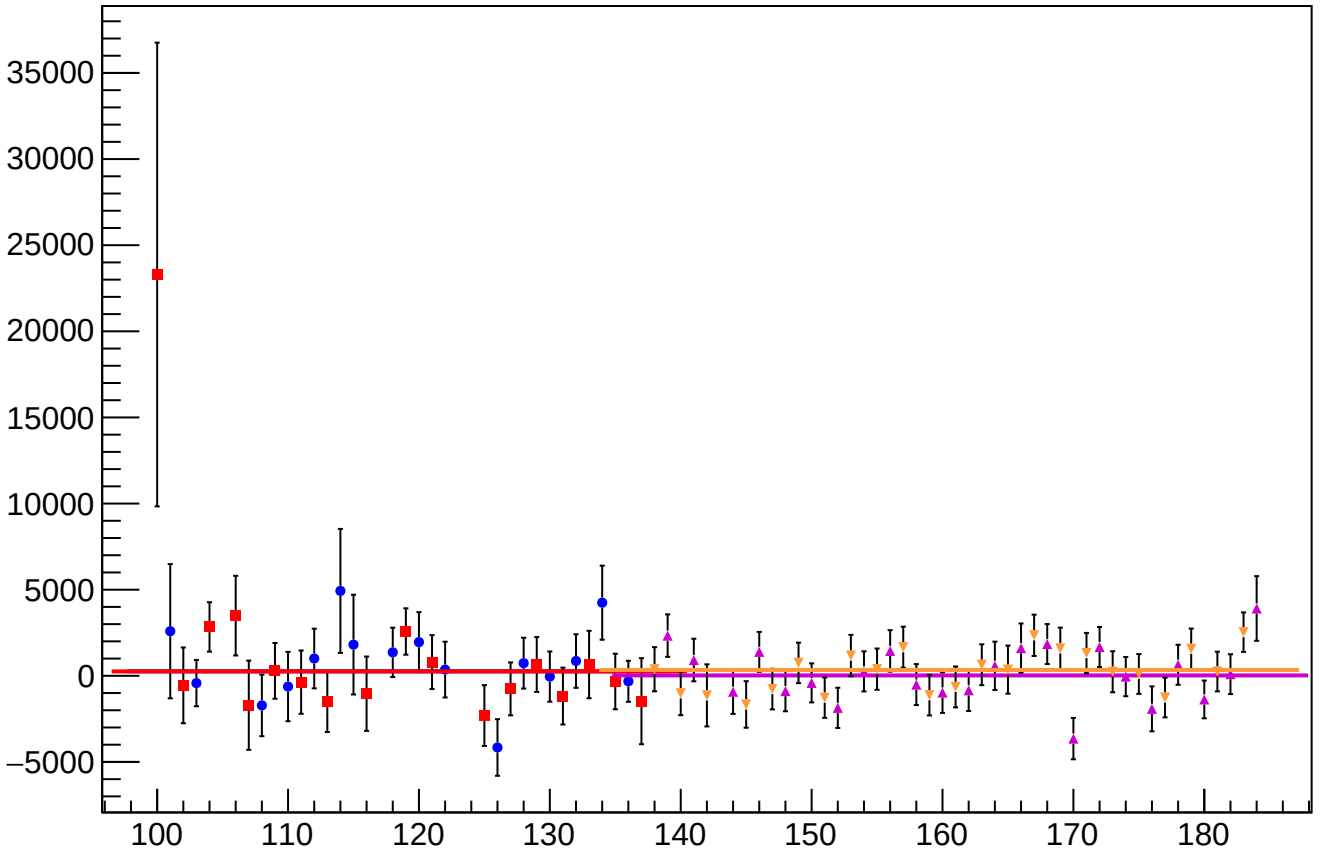
Left: 0.000+/-0.000 χ^2/NDF: 4453087.1/45

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:6583533.4/38

Out: 0.000+/-0.000 χ^2/NDF:7028512.2/40

All: 0.000+/-0.000 χ^2/NDF: 13614134.3/79



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: 22.368+/-253.332 χ^2/NDF:35.8/22

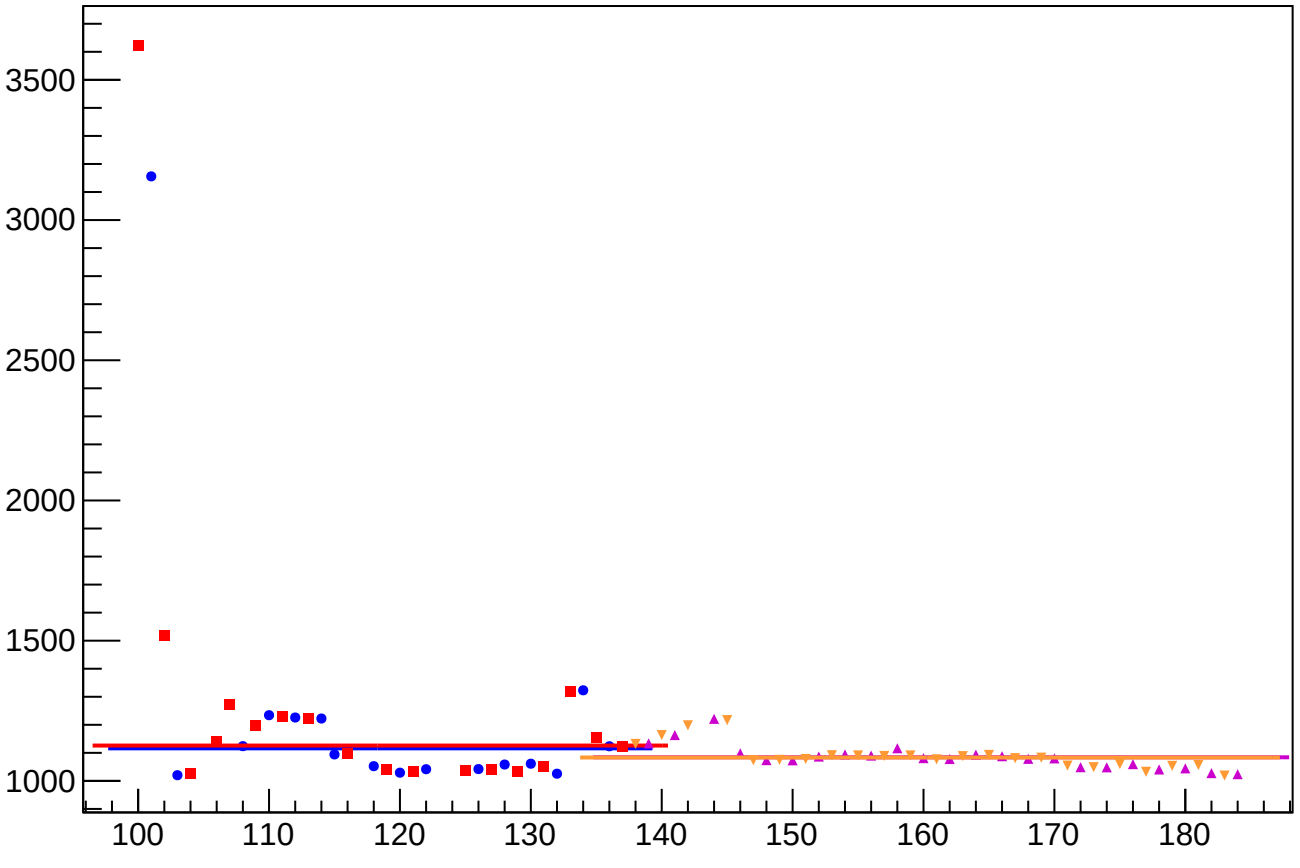
Left: 180.582+/-179.167 χ^2/NDF: 58.8/45

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 84.949+/-217.560 χ^2/NDF:53.0/38

Out: 317.210+/-217.774 χ^2/NDF:39.7/40

All: 200.966+/-153.914 χ^2/NDF: 93.2/79



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: 1084.166+/-0.179 χ^2/NDF:53438.8/22

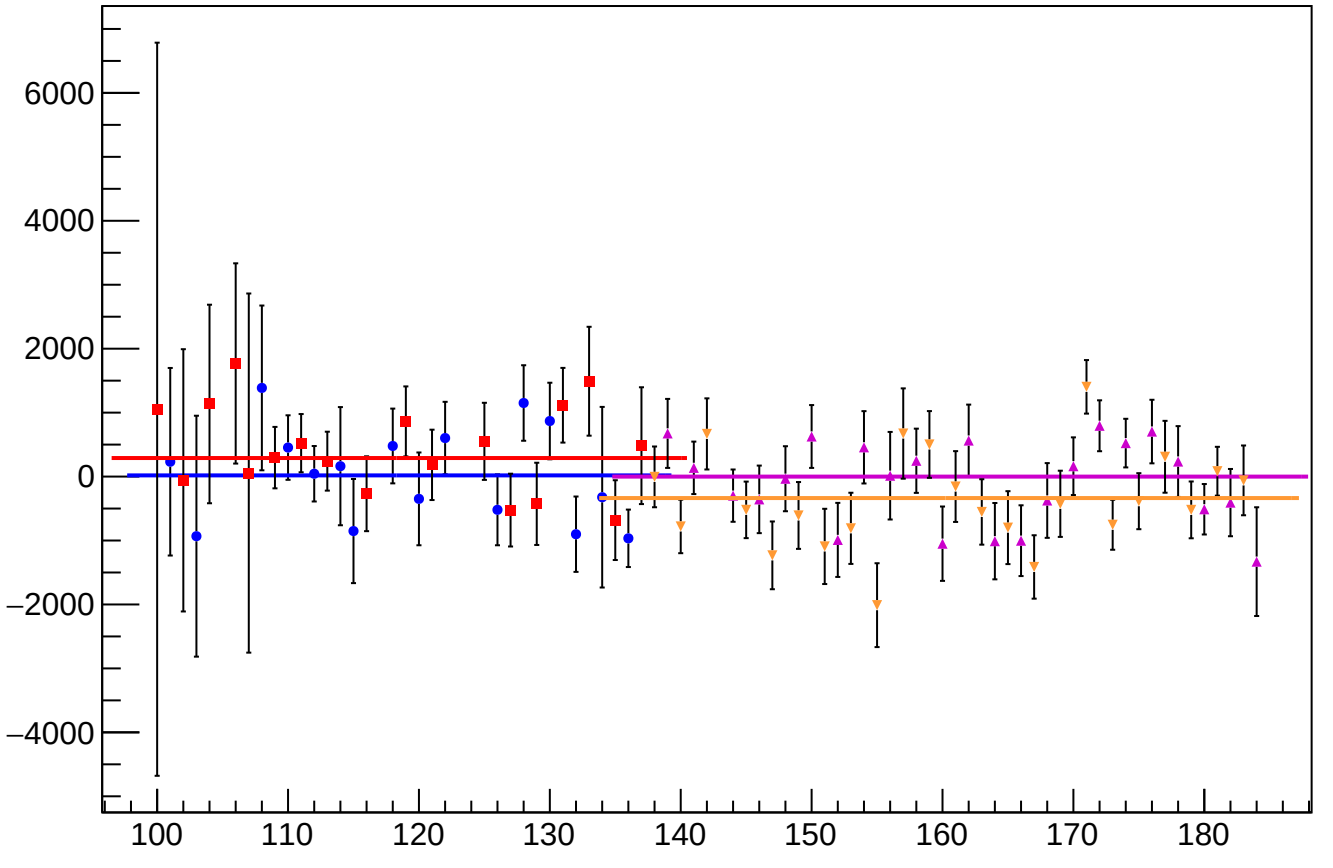
Left: 1083.792+/-0.127 χ^2/NDF: 108912.7/45

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1092.545+/-0.154 χ^2/NDF:685165.4/38

Out: 1094.562+/-0.154 χ^2/NDF:292352.2/40

All: 1093.552+/-0.109 χ^2/NDF: 977603.5/79



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: -0.547+/-104.733 χ^2/NDF:31.9/22

Left: -170.609+/-73.540 χ^2/NDF: 85.8/45

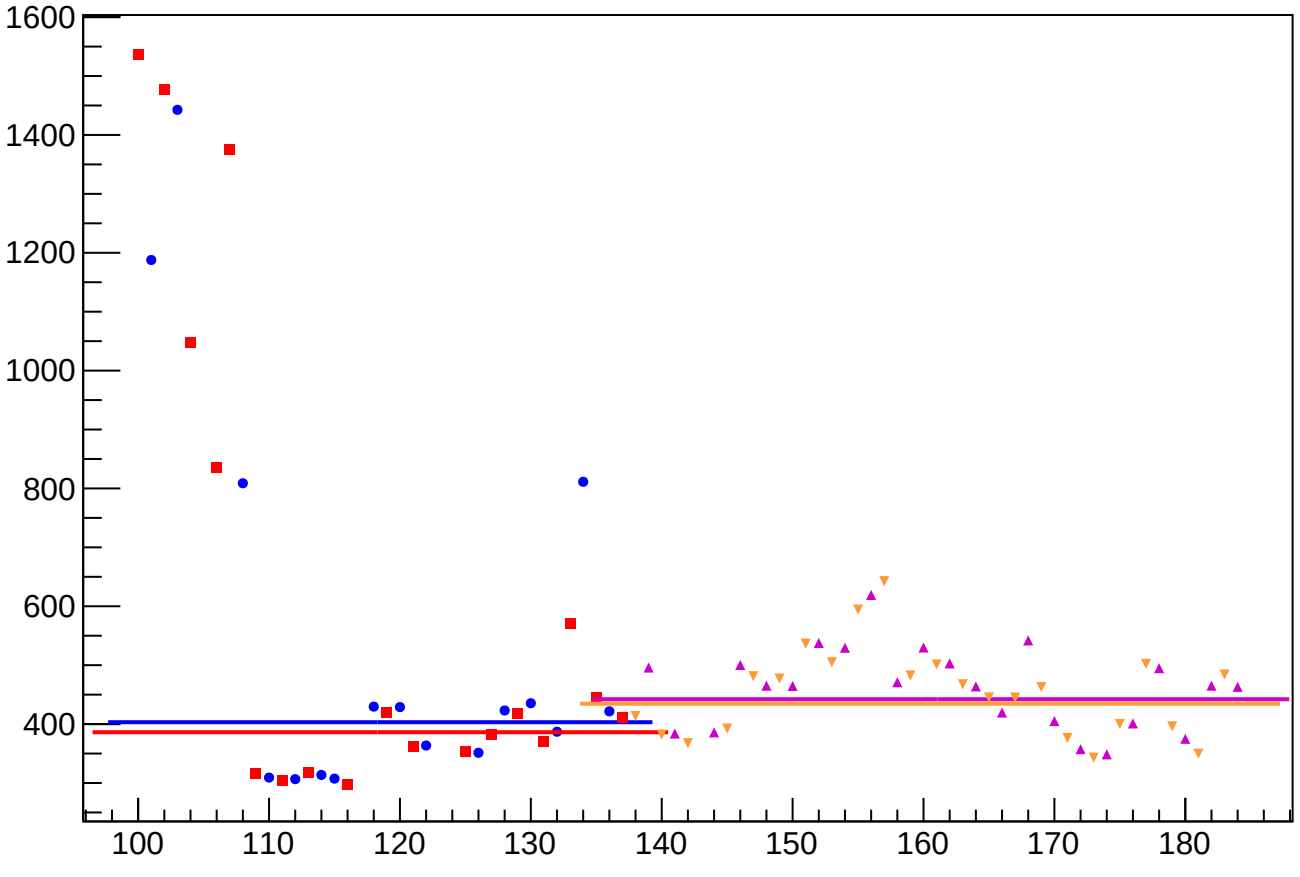
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 5.096+/-87.830 χ^2/NDF:51.1/38

Out: -145.559+/-86.152 χ^2/NDF:73.4/40

All: -71.685+/-61.503 χ^2/NDF: 126.0/79

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 434.602+/-0.073 χ^2/NDF:877480.6/22

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

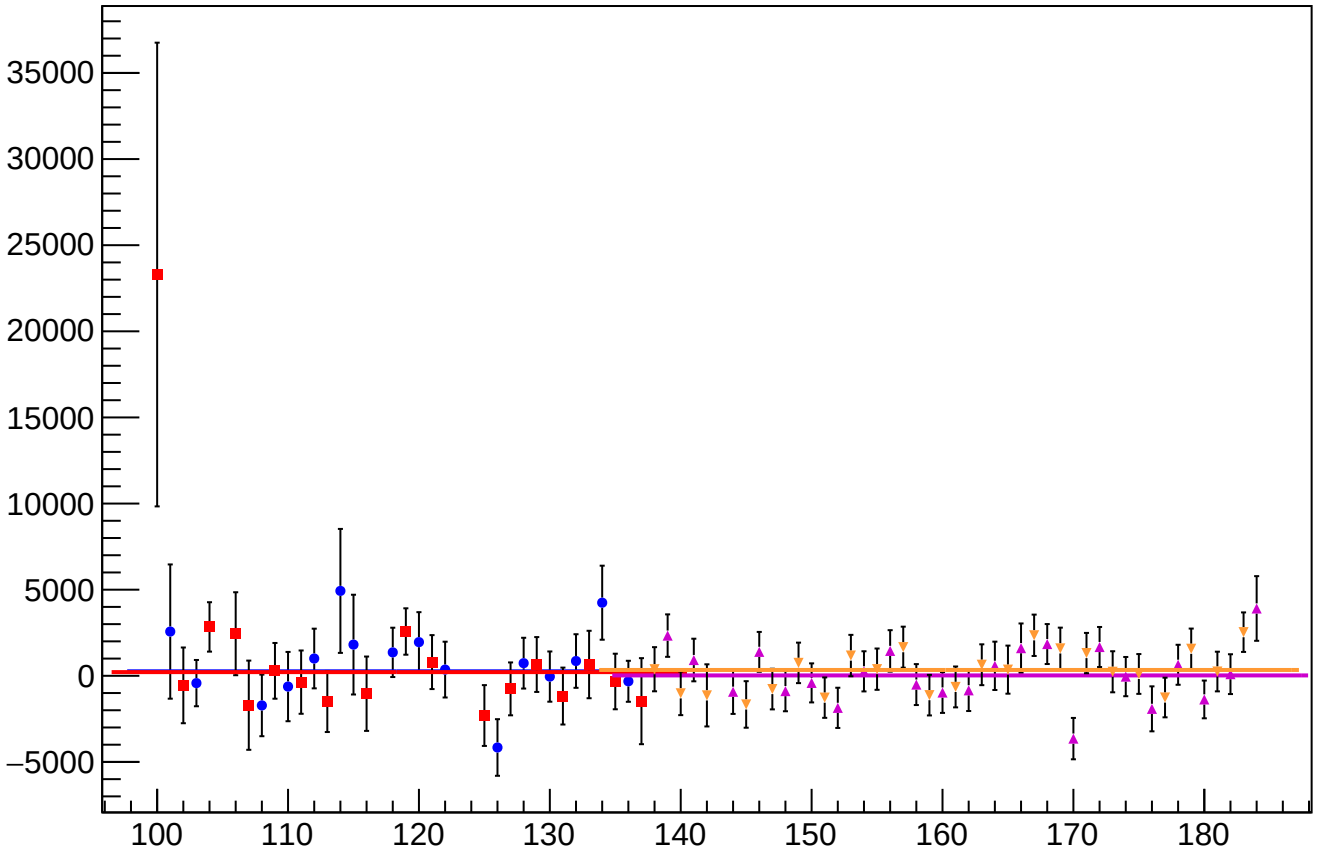
Left: 438.352+/-0.052 χ^2/NDF: 1708801.4/45

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 430.632+/-0.062 χ^2/NDF:2716756.4/38

Out: 419.859+/-0.061 χ^2/NDF:2770522.9/40

All: 425.142+/-0.043 χ^2/NDF: 5502613.4/79



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: 22.362+/-253.332 χ^2/NDF:35.8/22

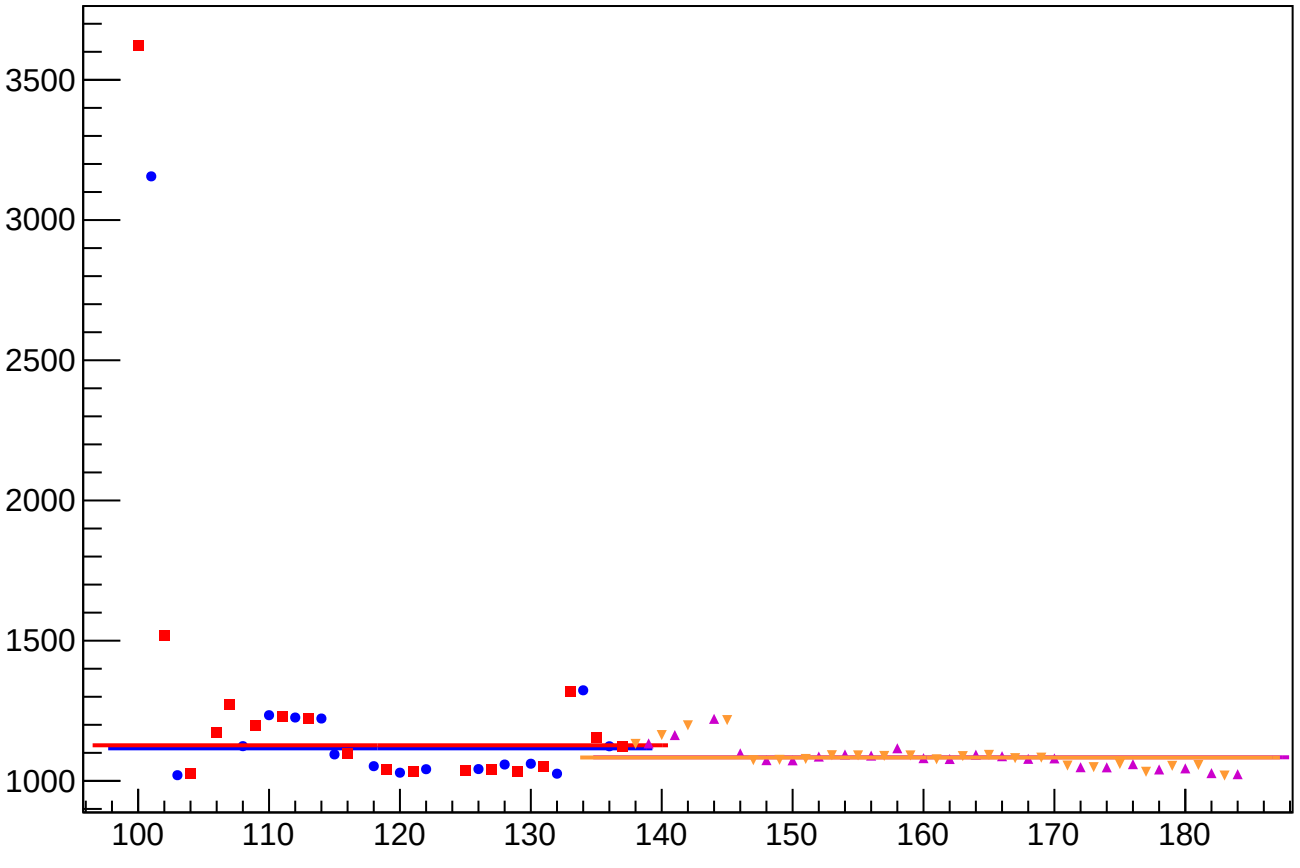
Left: 180.580+/-179.167 χ^2/NDF: 58.8/45

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 84.844+/-217.560 χ^2/NDF:53.0/38

Out: 306.435+/-217.848 χ^2/NDF:38.5/40

All: 195.493+/-153.940 χ^2/NDF: 92.0/79



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: 1084.166+/-0.179 χ^2/NDF:53438.8/22

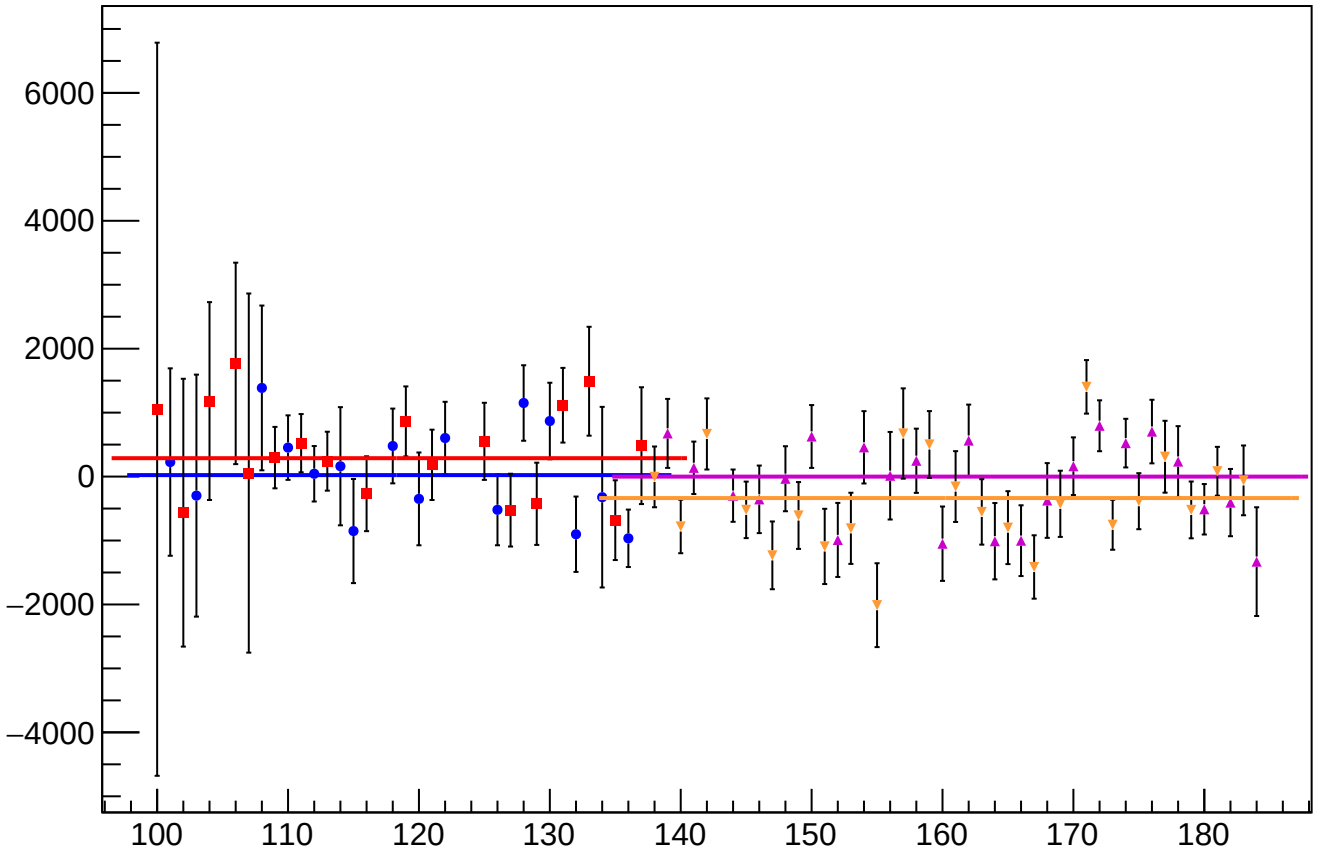
Left: 1083.792+/-0.127 χ^2/NDF: 108912.6/45

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1092.545+/-0.154 χ^2/NDF:685166.3/38

Out: 1094.787+/-0.154 χ^2/NDF:293619.5/40

All: 1093.664+/-0.109 χ^2/NDF: 978891.9/79



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: -0.567+/-104.733 χ^2/NDF:31.9/22

Left: -170.655+/-73.540 χ^2/NDF: 85.8/45

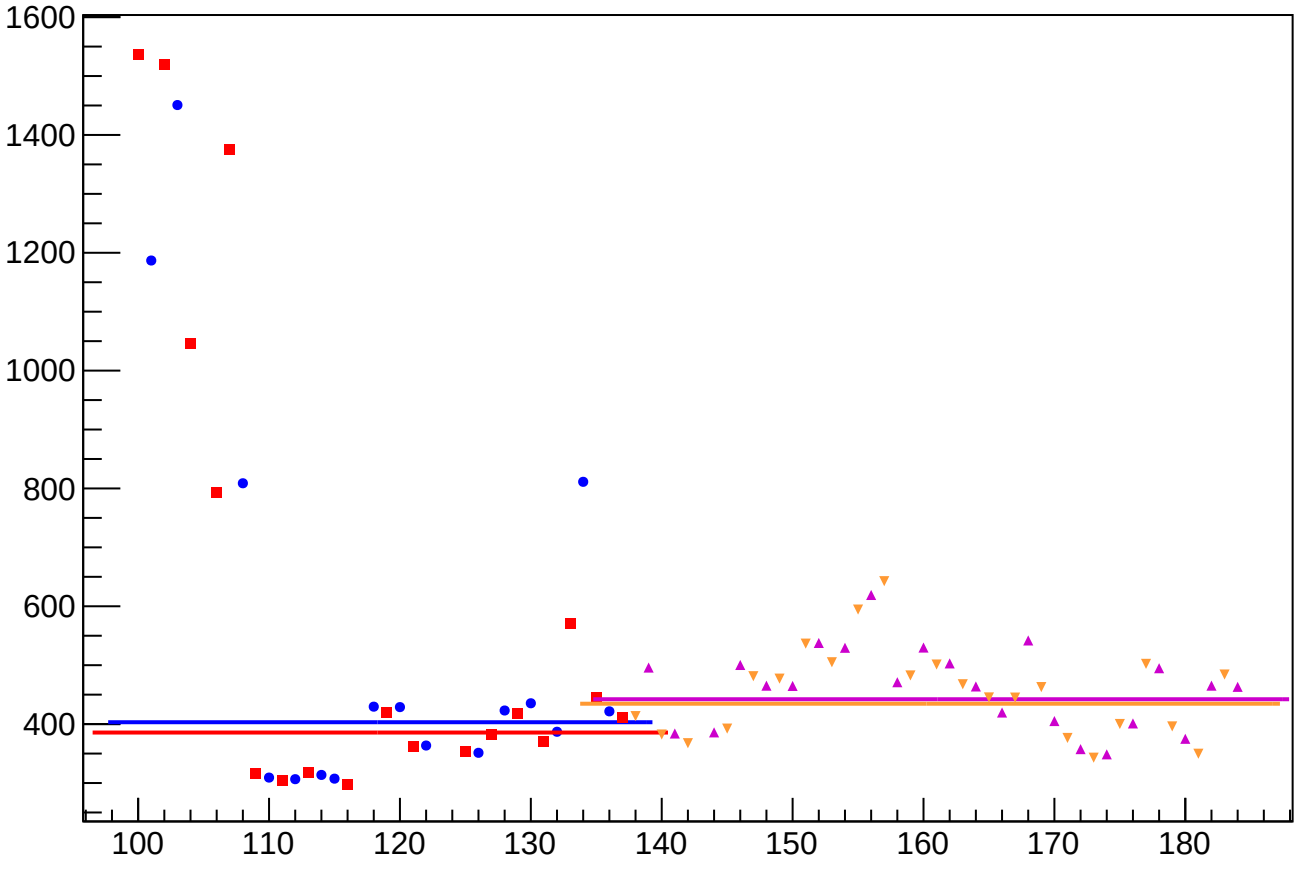
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 6.403+/-87.831 χ^2/NDF:50.8/38

Out: -146.357+/-86.155 χ^2/NDF:73.5/40

All: -71.447+/-61.505 χ^2/NDF: 125.9/79

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: 442.210+/-0.074 χ^2/NDF:825844.5/22

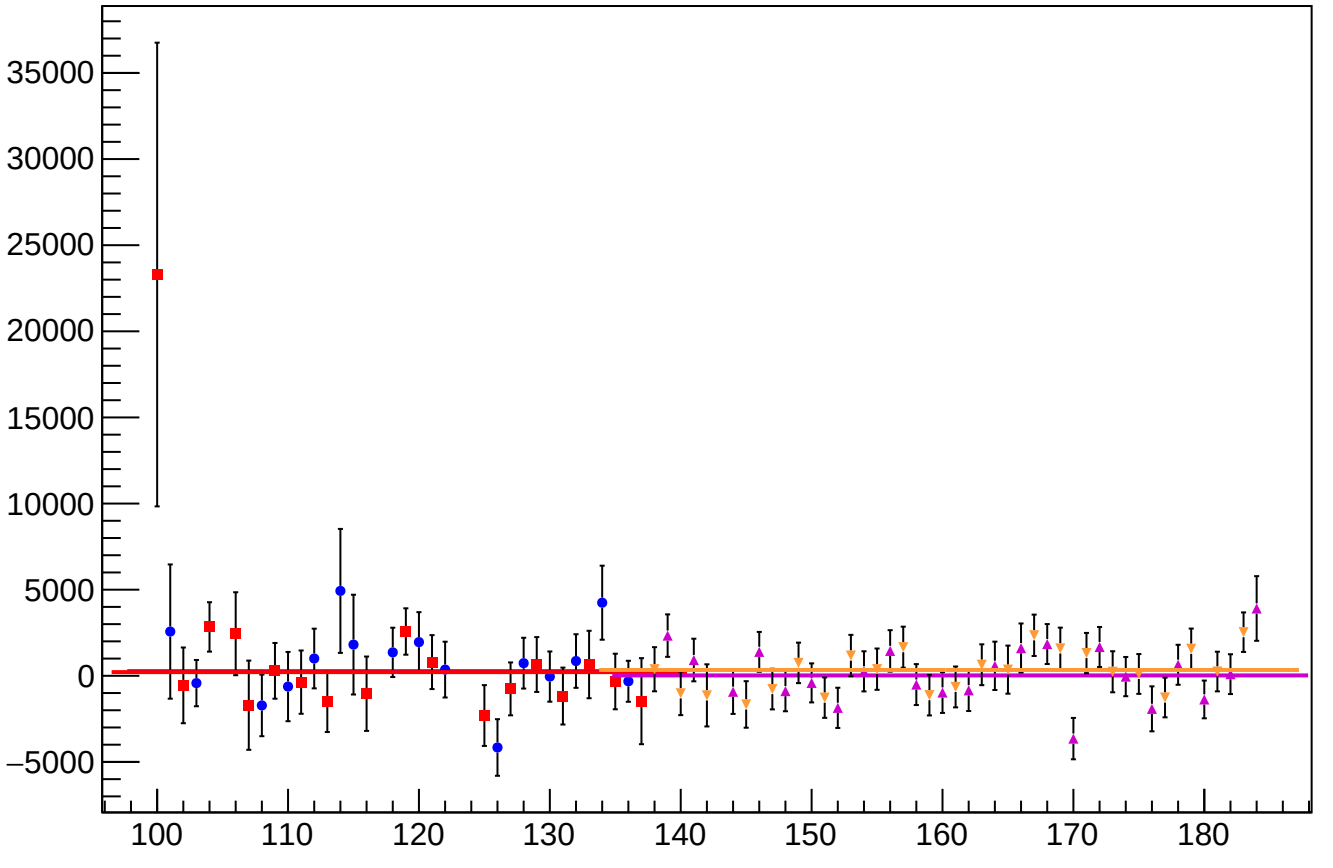
Left: 438.351+/-0.052 χ^2/NDF: 1708768.4/45

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 430.629+/-0.062 χ^2/NDF:2720361.6/38

Out: 419.719+/-0.061 χ^2/NDF:2761187.6/40

All: 425.069+/-0.043 χ^2/NDF: 5497276.2/79



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: 22.362+/-253.332 χ^2/NDF:35.8/22

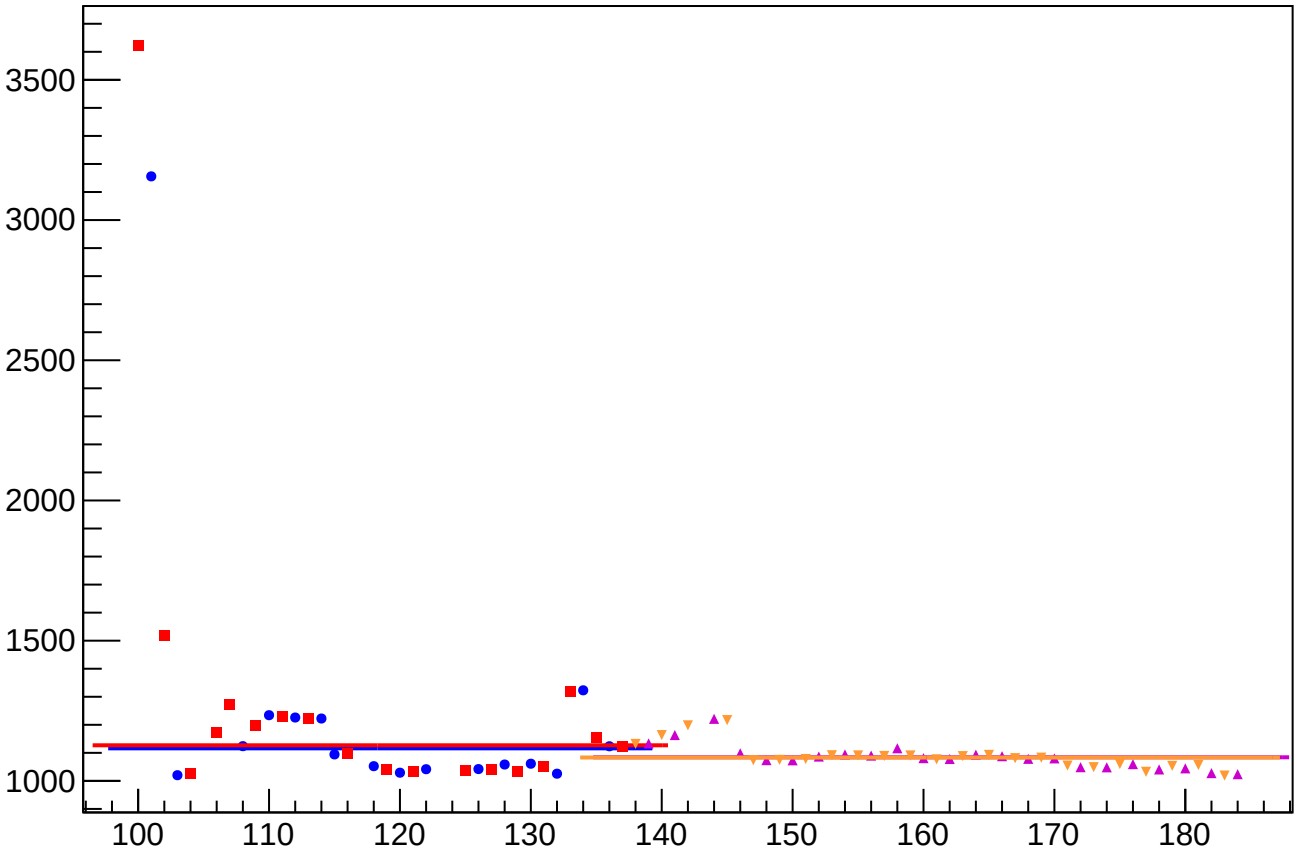
Left: 180.580+/-179.167 χ^2/NDF: 58.8/45

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 84.844+/-217.560 χ^2/NDF:53.0/38

Out: 306.435+/-217.848 χ^2/NDF:38.5/40

All: 195.493+/-153.940 χ^2/NDF: 92.0/79



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: 1084.166+/-0.179 χ^2/NDF:53438.8/22

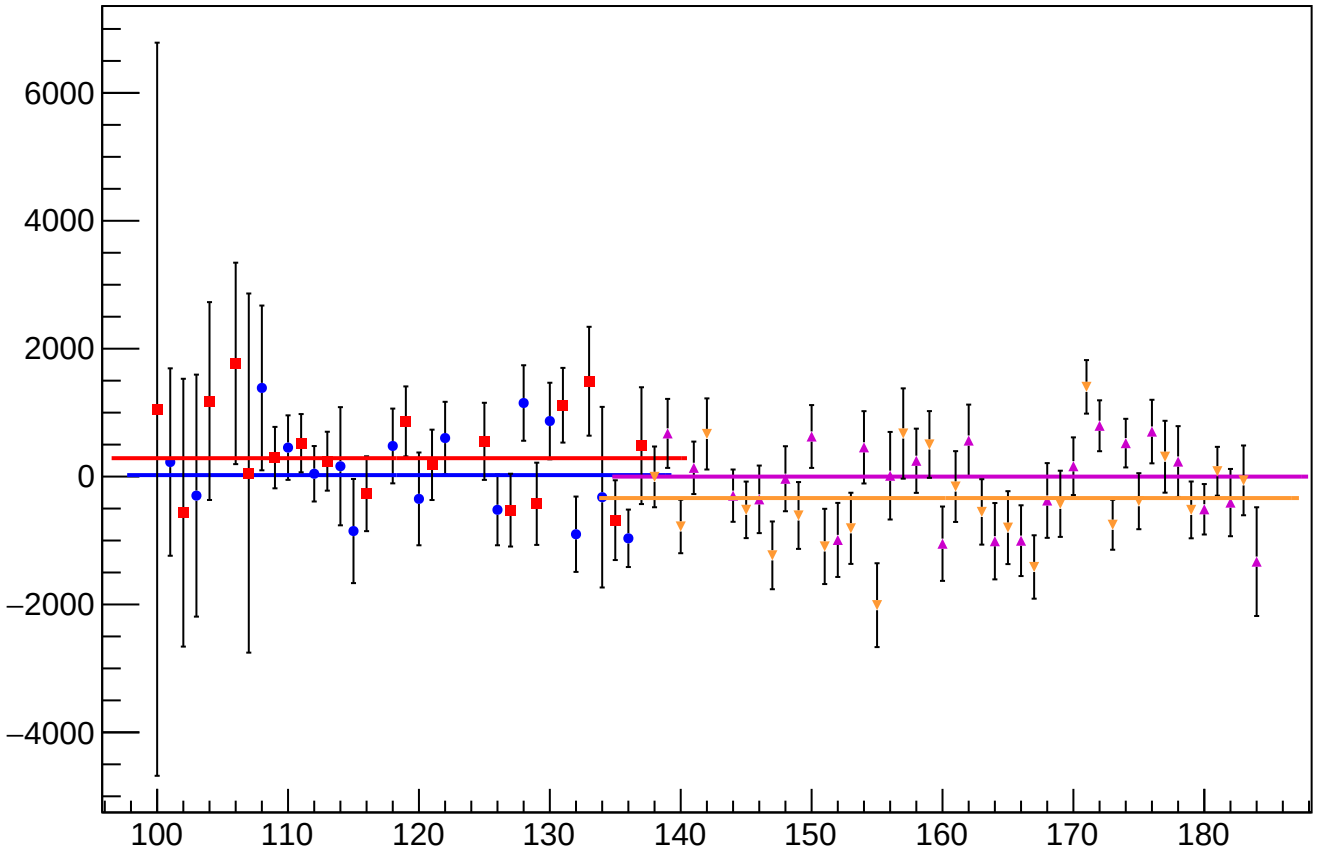
Left: 1083.792+/-0.127 χ^2/NDF: 108912.6/45

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1092.545+/-0.154 χ^2/NDF:685166.3/38

Out: 1094.787+/-0.154 χ^2/NDF:293619.5/40

All: 1093.664+/-0.109 χ^2/NDF: 978891.9/79



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: -0.567+/-104.733 χ^2/NDF:31.9/22

Left: -170.655+/-73.540 χ^2/NDF: 85.8/45

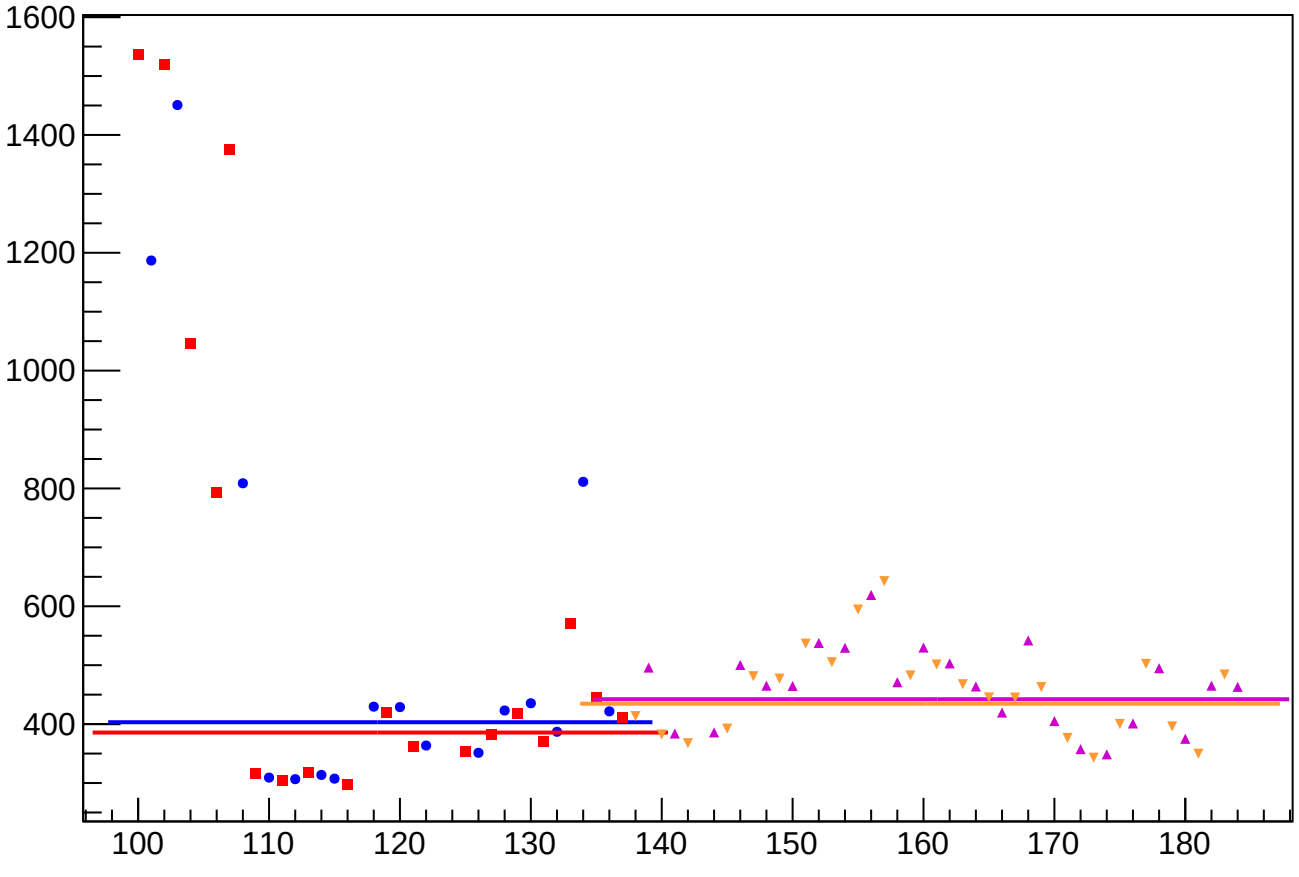
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 6.403+/-87.831 χ^2/NDF:50.8/38

Out: -146.357+/-86.155 χ^2/NDF:73.5/40

All: -71.447+/-61.505 χ^2/NDF: 125.9/79

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: 442.210+/-0.074 χ^2/NDF:825844.5/22

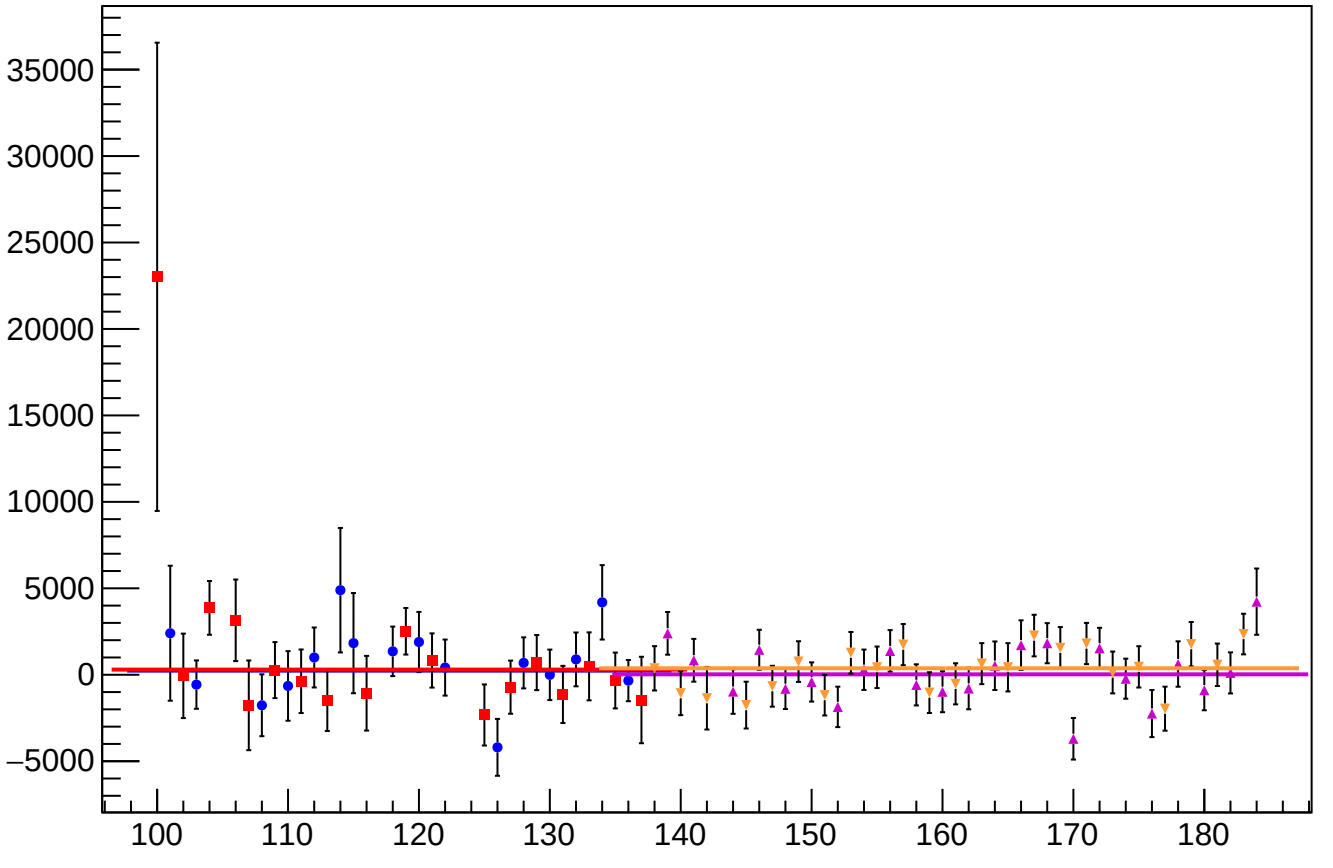
Left: 438.351+/-0.052 χ^2/NDF: 1708768.4/45

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 430.629+/-0.062 χ^2/NDF:2720361.6/38

Out: 419.719+/-0.061 χ^2/NDF:2761187.6/40

All: 425.069+/-0.043 χ^2/NDF: 5497276.2/79



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: 25.319+/-256.866 χ^2/NDF:35.9/22

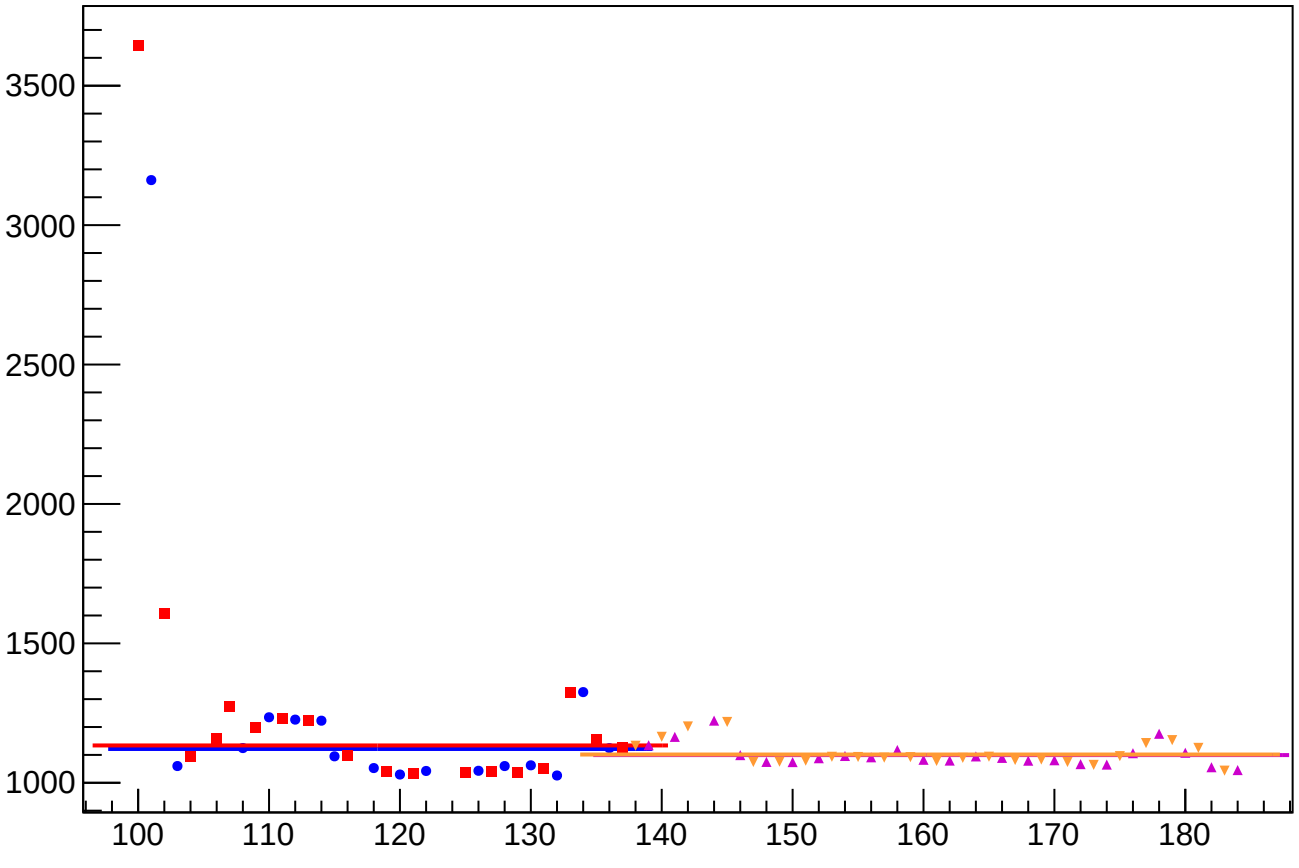
Left: 199.809+/-181.897 χ^2/NDF: 60.4/45

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 82.663+/-220.053 χ^2/NDF:53.0/38

Out: 355.194+/-221.095 χ^2/NDF:42.3/40

All: 218.285+/-155.968 χ^2/NDF: 96.1/79



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: 1099.342+/-0.182 χ^2/NDF:44785.6/22

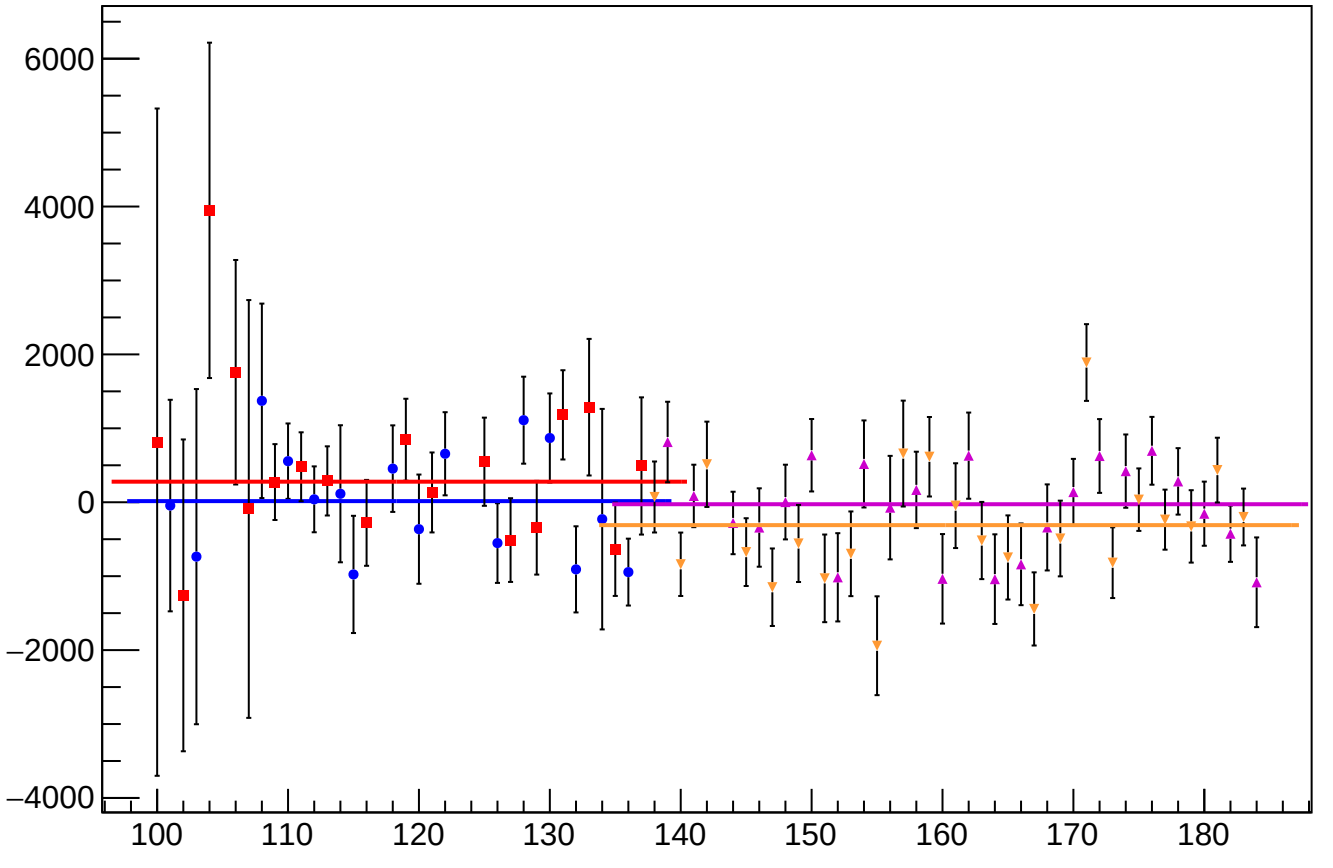
Left: 1100.356+/-0.129 χ^2/NDF: 91257.3/45

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1105.183+/-0.156 χ^2/NDF:665700.8/38

Out: 1109.952+/-0.156 χ^2/NDF:282279.1/40

All: 1107.556+/-0.110 χ^2/NDF: 948447.3/79



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: -26.740+/-105.420 χ^2/NDF:27.9/22

Left: -169.725+/-74.130 χ^2/NDF: 80.9/45

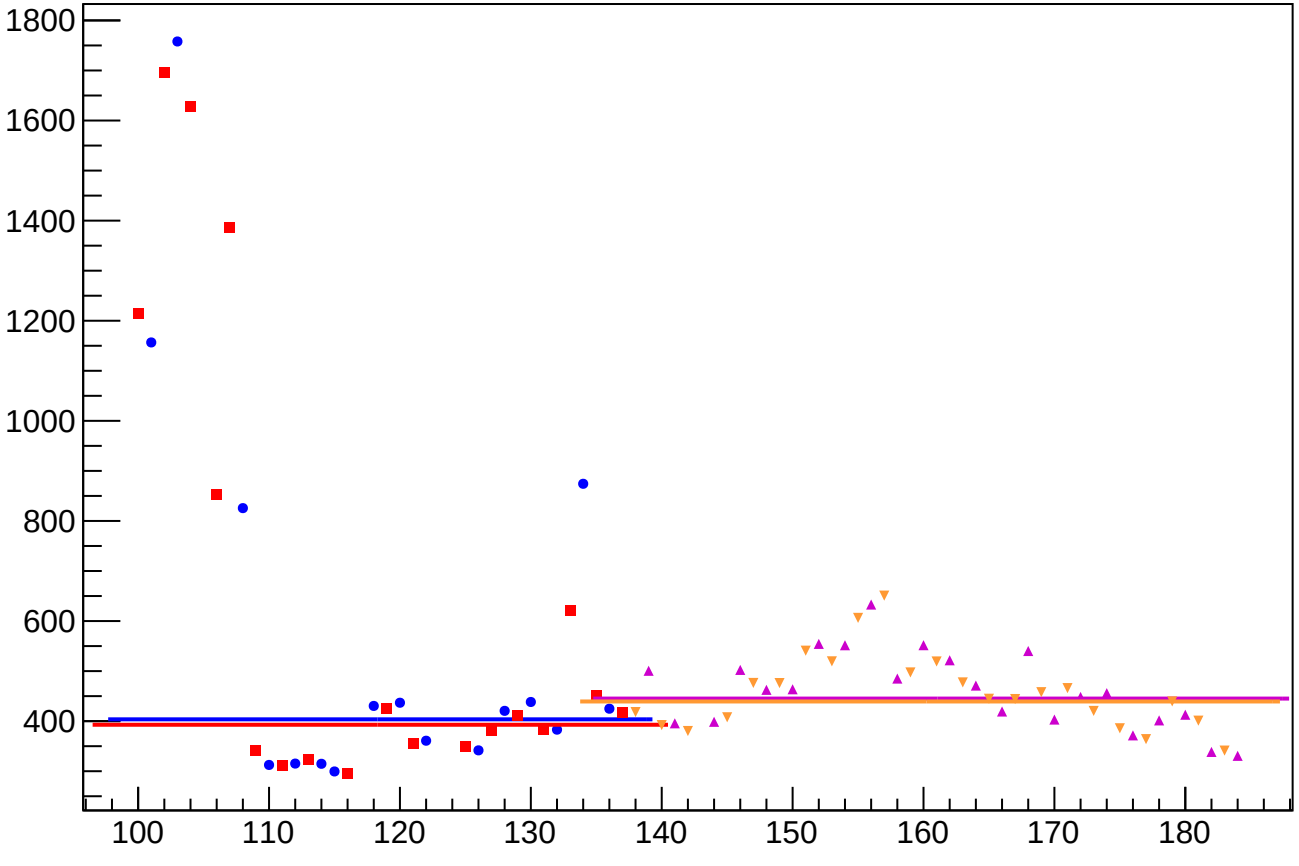
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: -14.219+/-88.334 χ^2/NDF:47.5/38

Out: -132.559+/-87.160 χ^2/NDF:74.0/40

All: -74.181+/-62.042 χ^2/NDF: 122.5/79

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: 445.109+/-0.075 χ^2/NDF:874534.9/22

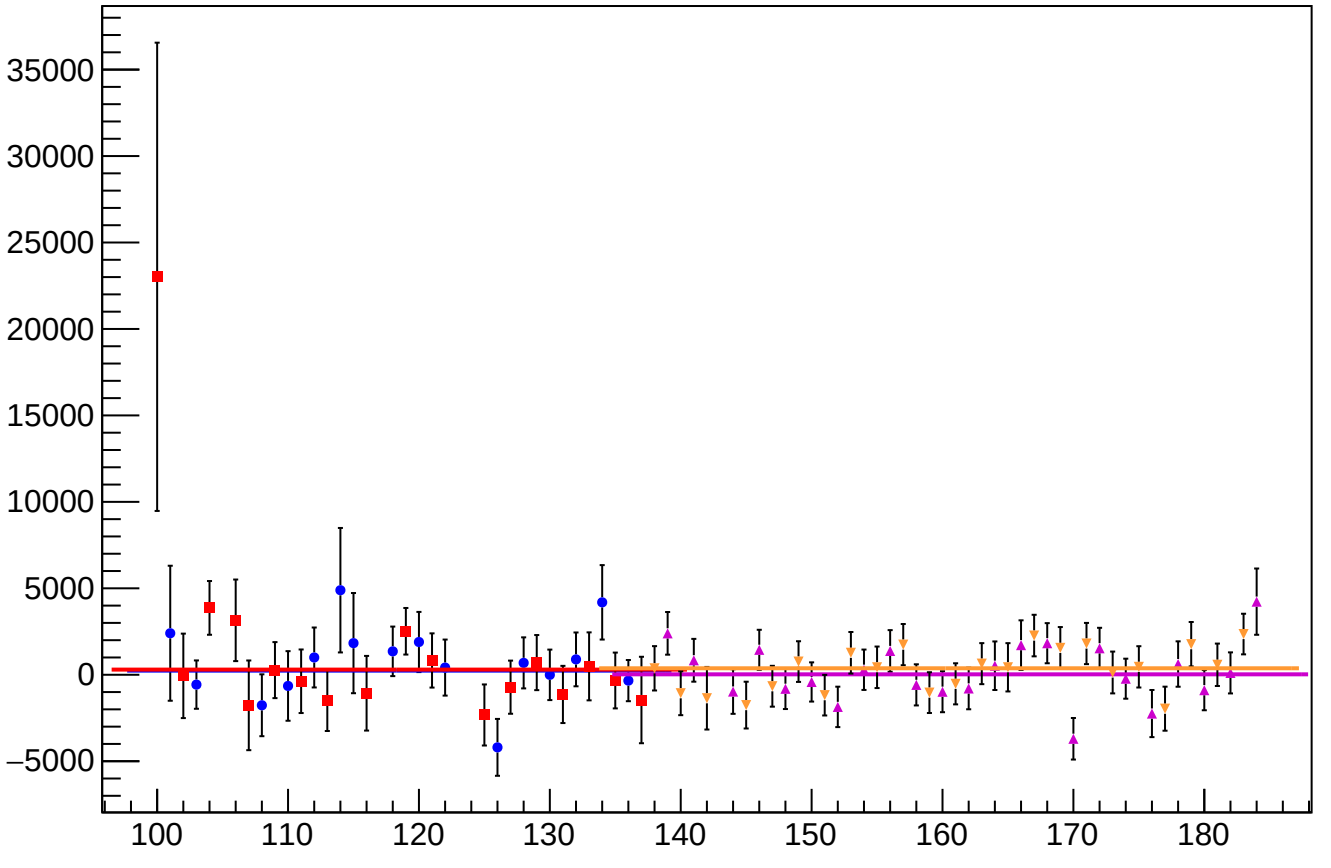
Left: 442.193+/-0.052 χ^2/NDF: 1683675.9/45

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 432.760+/-0.062 χ^2/NDF:2896251.2/38

Out: 425.331+/-0.062 χ^2/NDF:3129478.4/40

All: 428.996+/-0.044 χ^2/NDF: 6032897.6/79



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: 25.320+/-256.866 χ^2/NDF:35.9/22

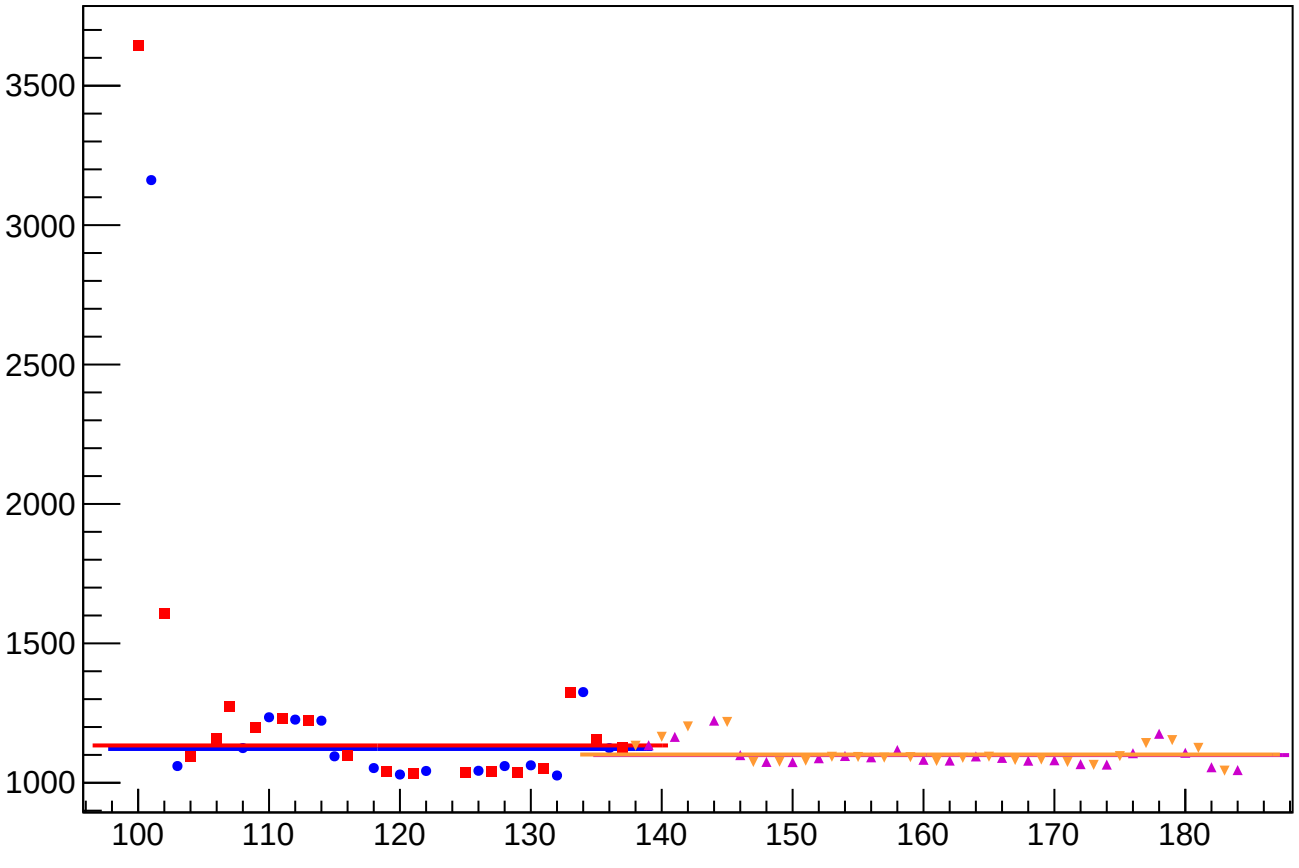
Left: 199.808+/-181.897 χ^2/NDF: 60.4/45

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 82.665+/-220.053 χ^2/NDF:53.0/38

Out: 355.193+/-221.095 χ^2/NDF:42.3/40

All: 218.285+/-155.968 χ^2/NDF: 96.1/79



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: 1099.342+/-0.182 χ^2/NDF:44785.7/22

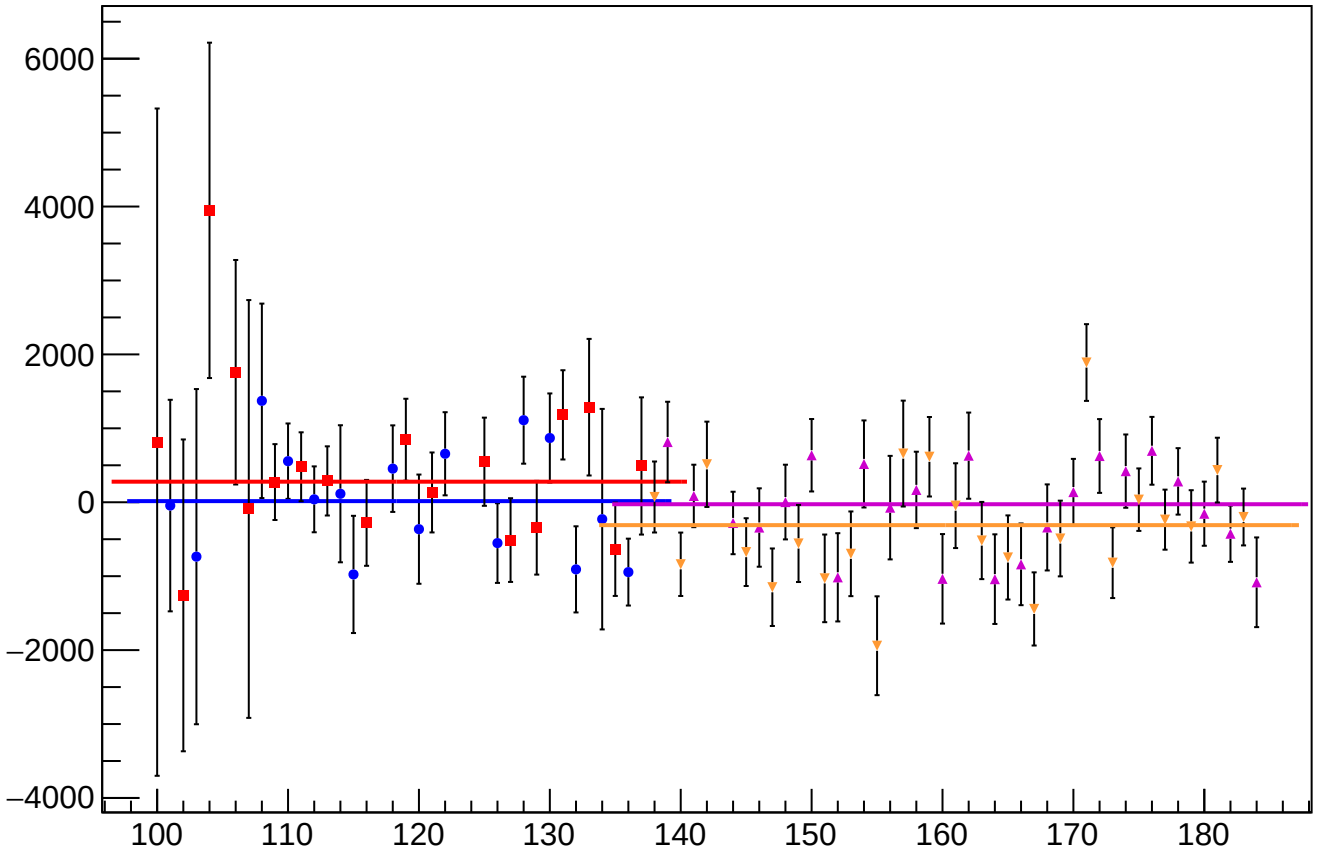
Left: 1100.356+/-0.129 χ^2/NDF: 91257.7/45

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1105.183+/-0.156 χ^2/NDF:665700.9/38

Out: 1109.952+/-0.156 χ^2/NDF:282279.4/40

All: 1107.556+/-0.110 χ^2/NDF: 948447.7/79



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: -26.739+/-105.420 χ^2/NDF:27.9/22

Left: -169.726+/-74.130 χ^2/NDF: 80.9/45

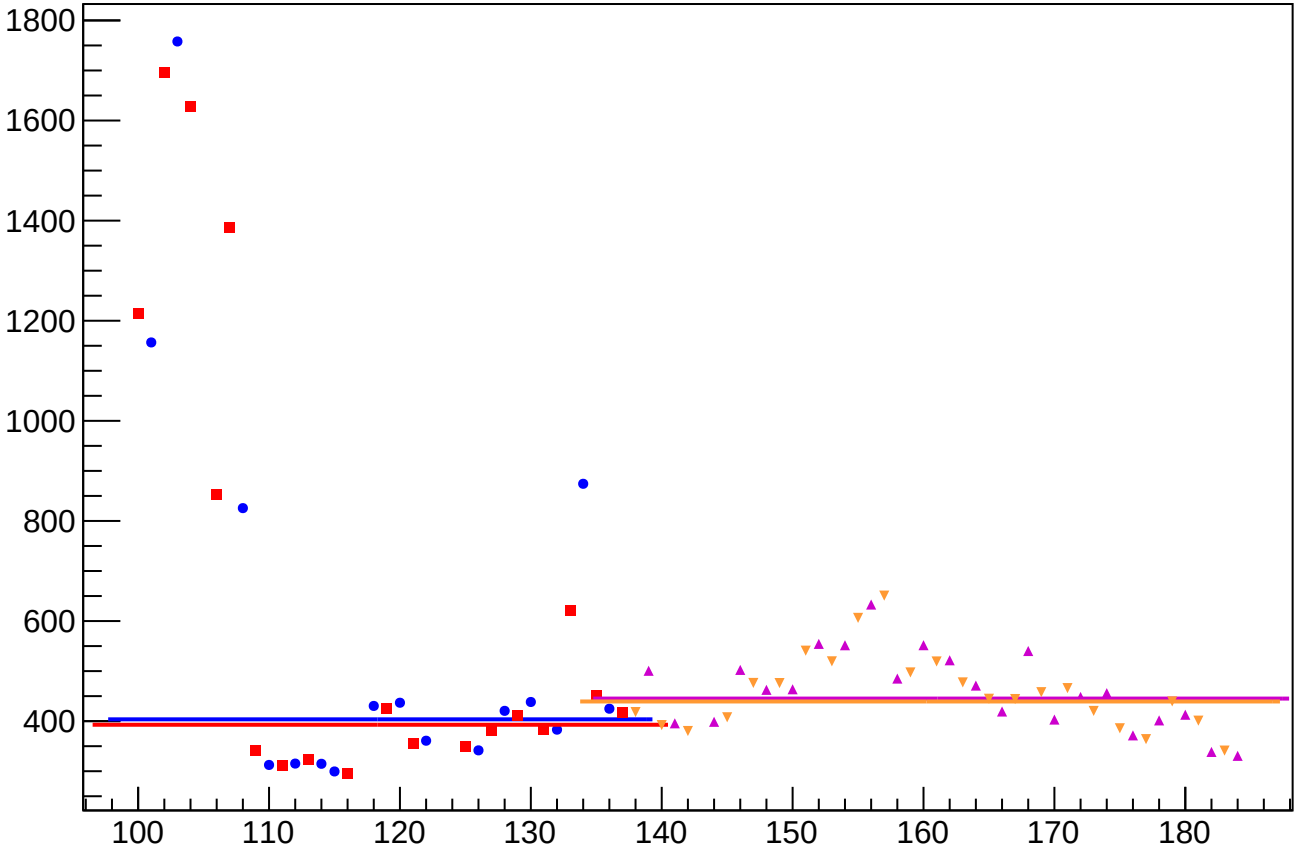
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: -14.220+/-88.334 χ^2/NDF:47.5/38

Out: -132.559+/-87.160 χ^2/NDF:74.0/40

All: -74.181+/-62.042 χ^2/NDF: 122.5/79

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: 445.108+/-0.075 χ^2/NDF:874568.8/22

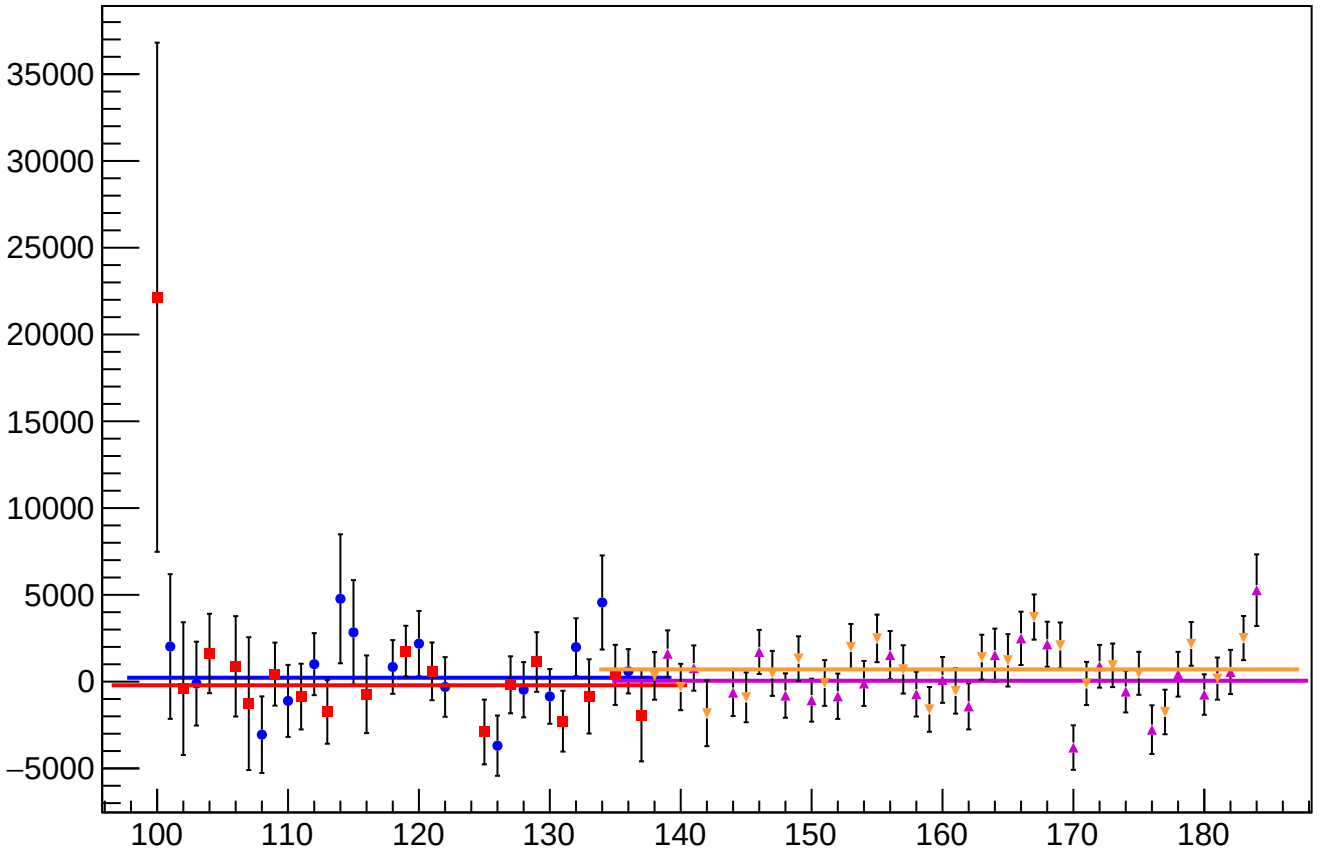
Left: 442.193+/-0.052 χ^2/NDF: 1683737.9/45

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 432.759+/-0.062 χ^2/NDF:2896294.4/38

Out: 425.330+/-0.062 χ^2/NDF:3129529.5/40

All: 428.995+/-0.044 χ^2/NDF: 6032991.9/79



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: 50.835+/-276.213 χ^2/NDF:35.0/22

Left: 378.452+/-195.323 χ^2/NDF: 63.5/45

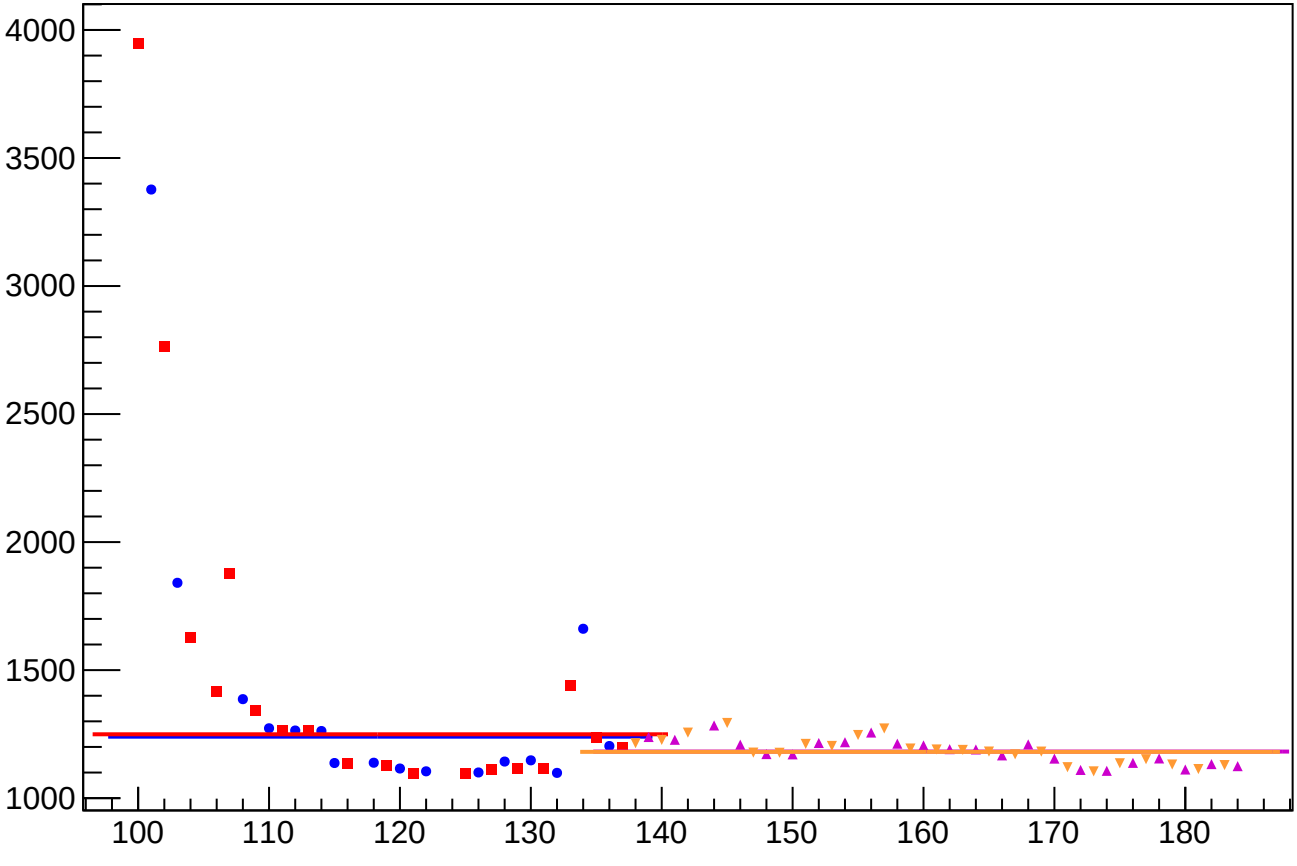
Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 94.861+/-238.721 χ^2/NDF:51.2/38

Out: 476.703+/-239.153 χ^2/NDF:39.4/40

All: 285.436+/-168.954 χ^2/NDF: 91.9/79

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1180.792+/-0.195 χ^2/NDF:62729.8/22

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

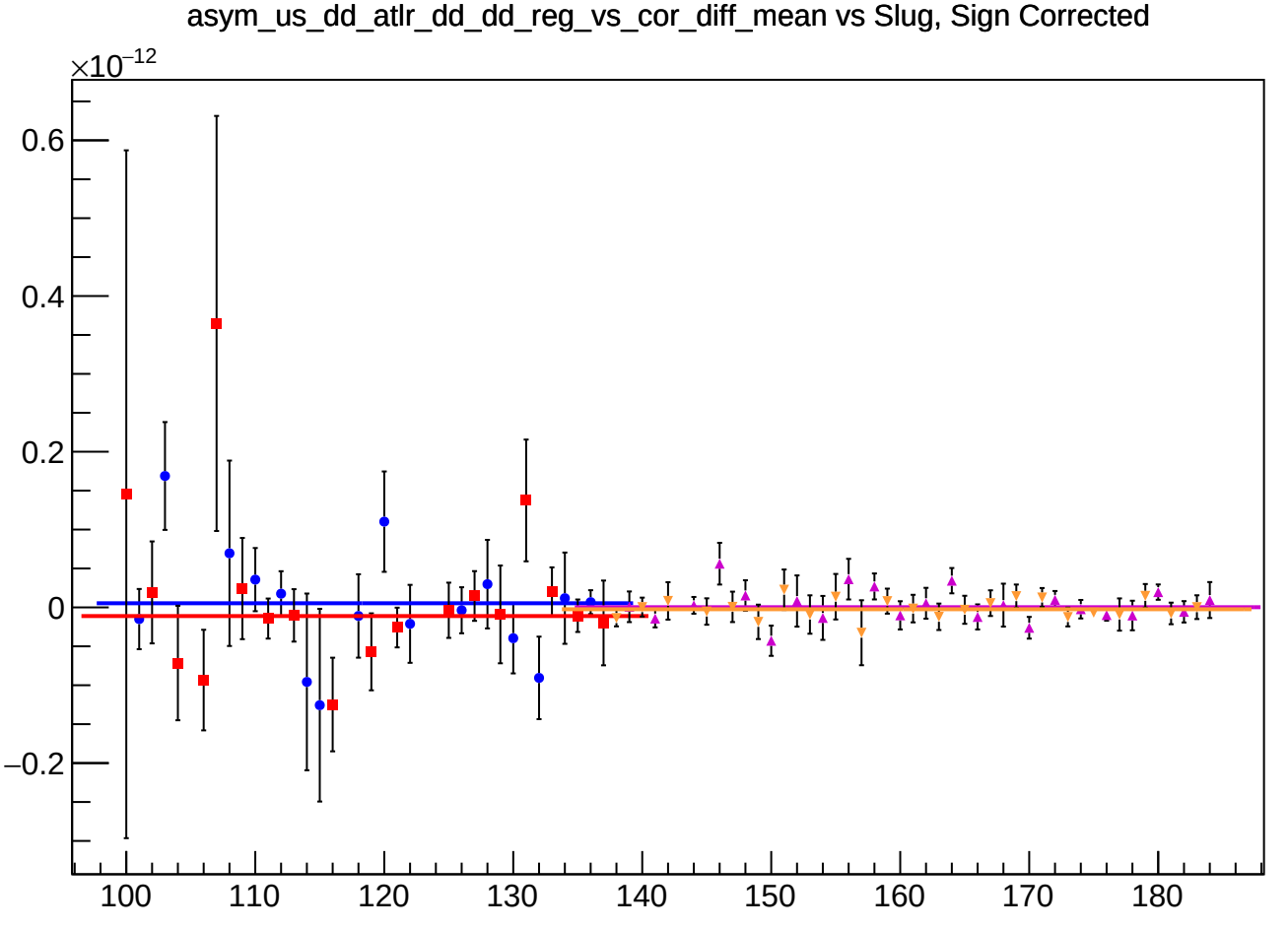
Left: 1181.361+/-0.138 χ^2/NDF: 123102.6/45

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1196.659+/-0.169 χ^2/NDF:865513.3/38

Out: 1197.982+/-0.169 χ^2/NDF:699742.4/40

All: 1197.319+/-0.119 χ^2/NDF: 1565286.4/79



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:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.3/45

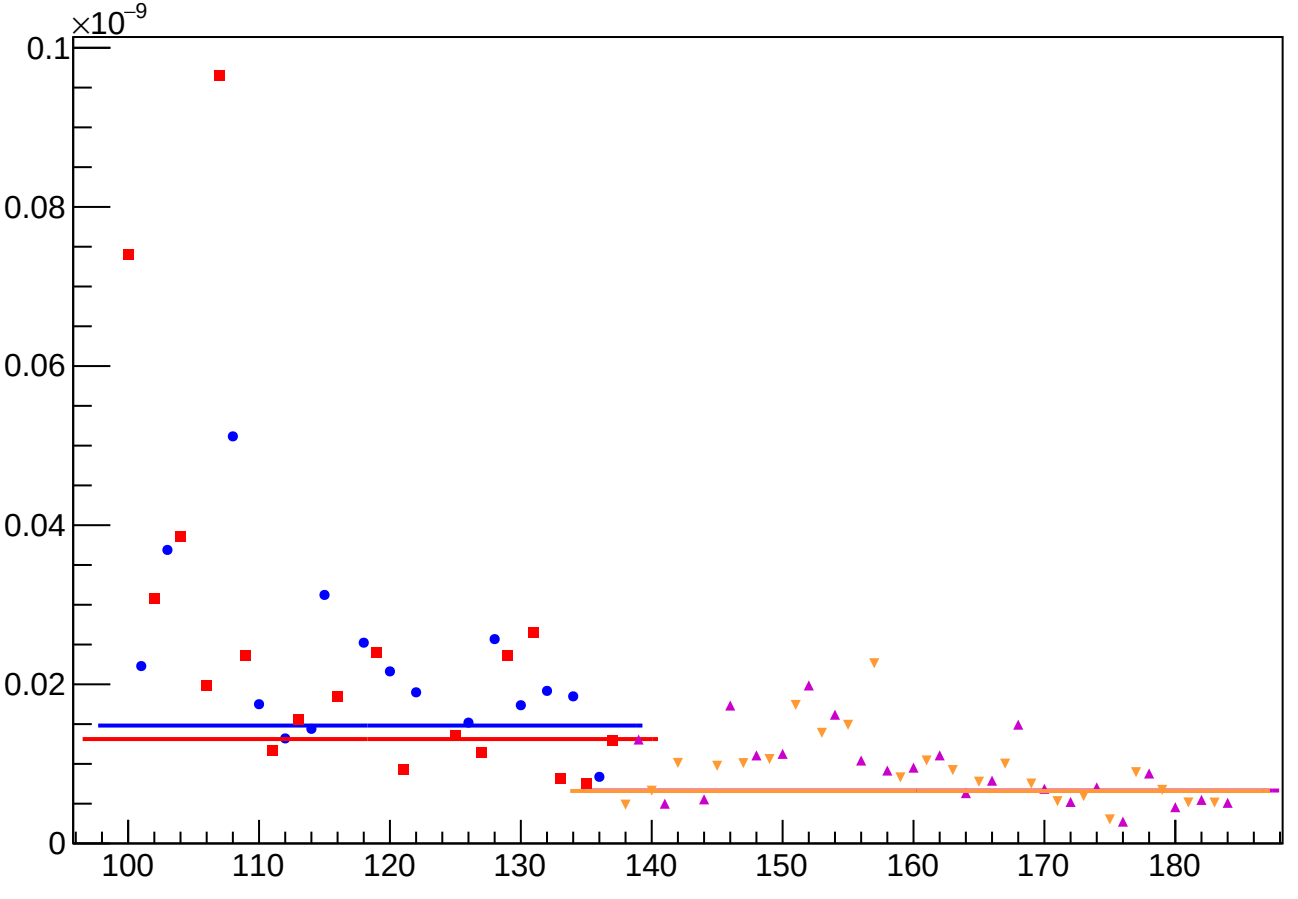
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:49.1/38

Out: -0.000+/-0.000 χ^2/NDF:26.2/40

All: -0.000+/-0.000 χ^2/NDF: 76.2/79

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:2542530.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4846397.8/45

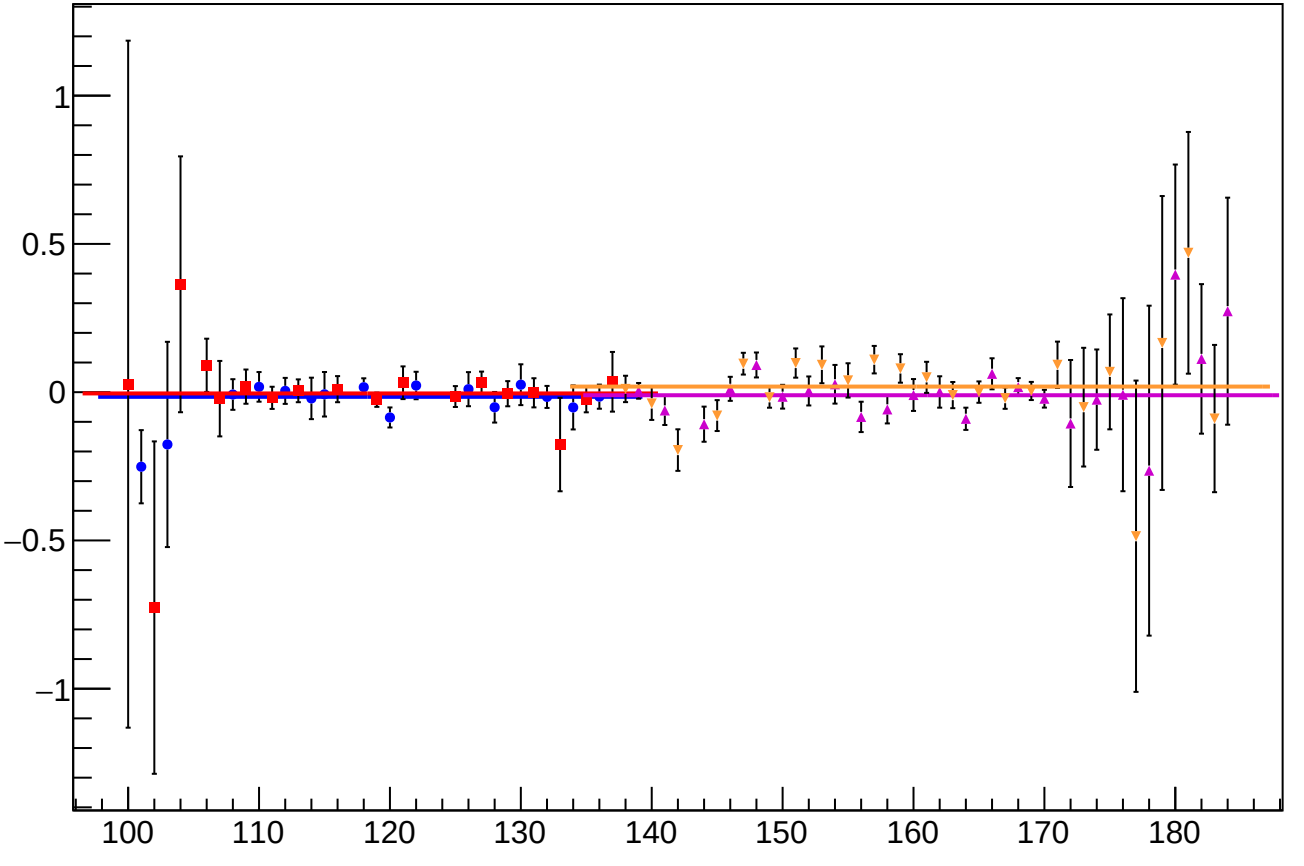
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:4924946.9/38

Out: 0.000+/-0.000 χ^2/NDF:4361894.7/40

All: 0.000+/-0.000 χ^2/NDF: 9290618.1/79

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.9/22

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 62.4/45

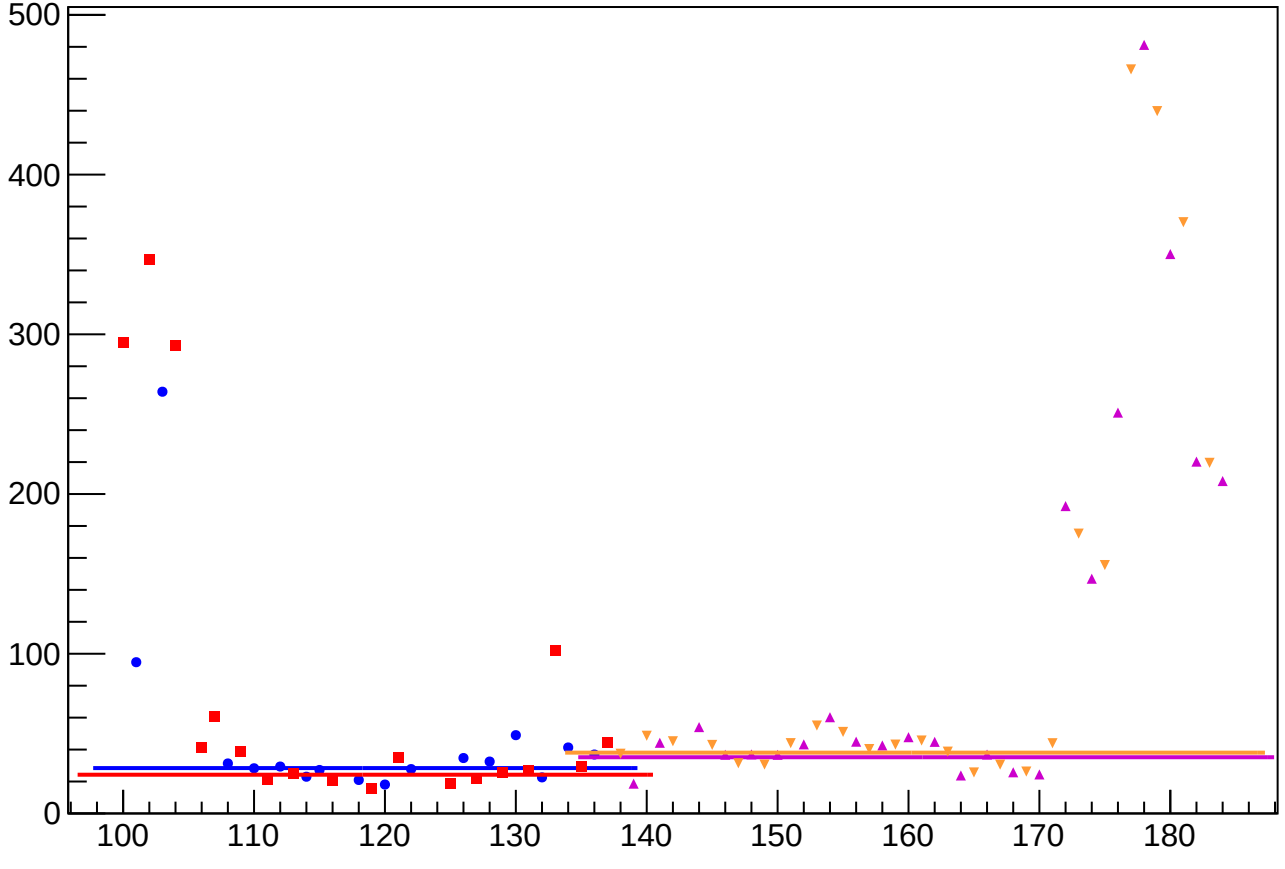
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:35.6/38

Out: 0.008+/-0.008 χ^2/NDF:45.0/40

All: -0.002+/-0.006 χ^2/NDF: 84.0/79

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: 35.195+/-0.007 χ^2/NDF:9390926.6/22

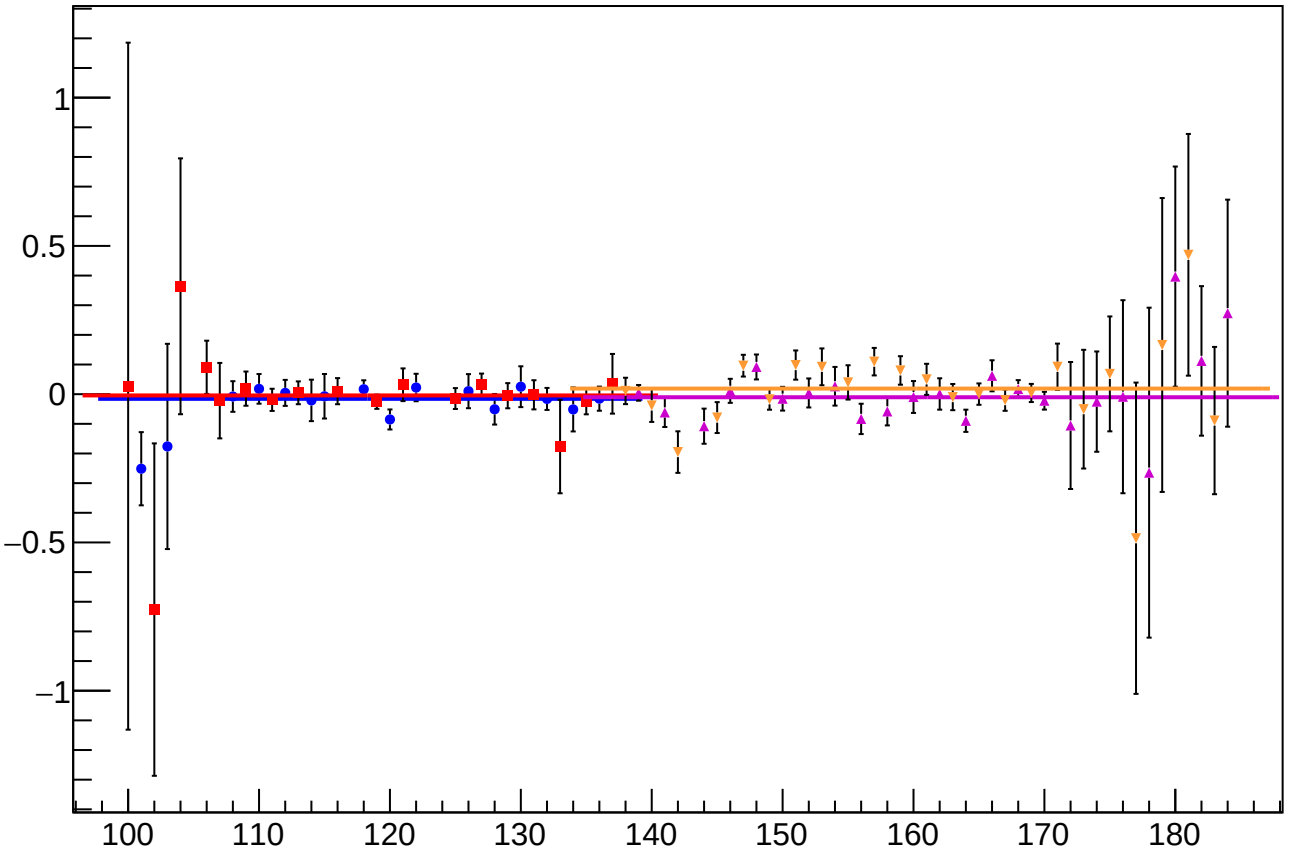
Left: 36.563+/-0.005 χ^2/NDF: 17427248.1/45

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.413+/-0.006 χ^2/NDF:11995019.1/38

Out: 31.557+/-0.006 χ^2/NDF:12418178.4/40

All: 31.984+/-0.004 χ^2/NDF: 24425011.9/79



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: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 62.4/45

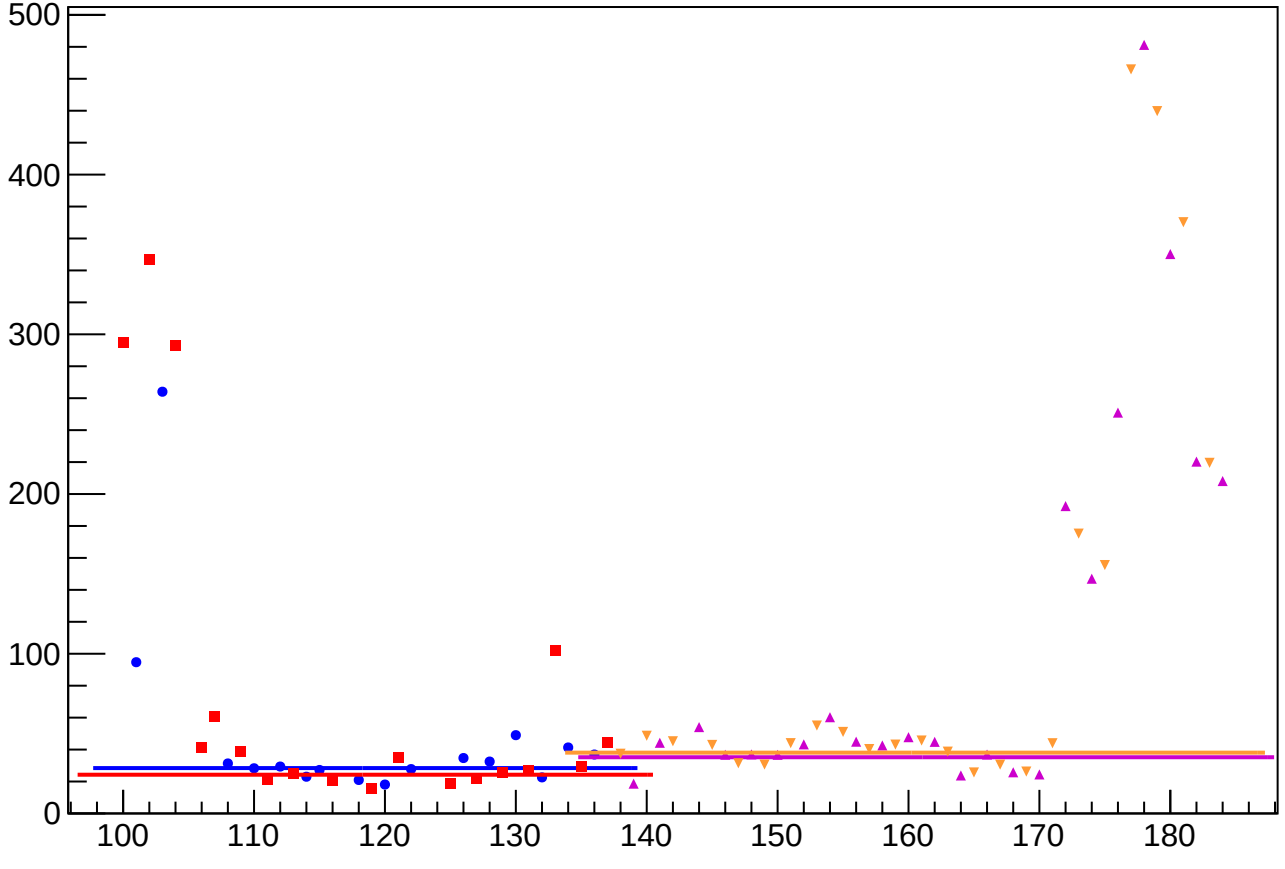
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:35.6/38

Out: 0.008+/-0.008 χ^2/NDF:45.0/40

All: -0.002+/-0.006 χ^2/NDF: 84.0/79

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: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.563+/-0.005 χ^2/NDF: 17427248.1/45

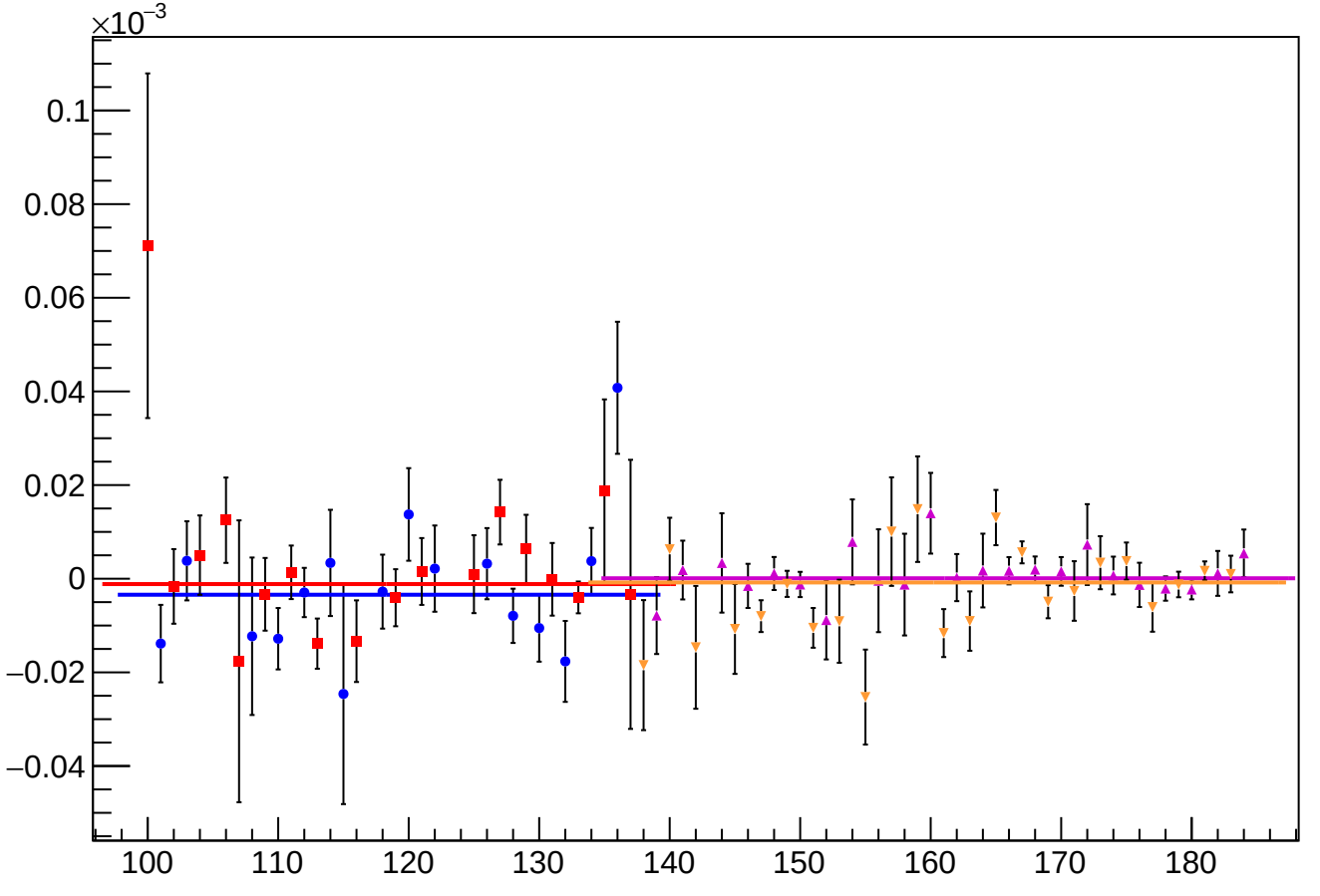
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.413+/-0.006 χ^2/NDF:11995019.1/38

Out: 31.557+/-0.006 χ^2/NDF:12418178.4/40

All: 31.984+/-0.004 χ^2/NDF: 24425011.9/79

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:11.0/22

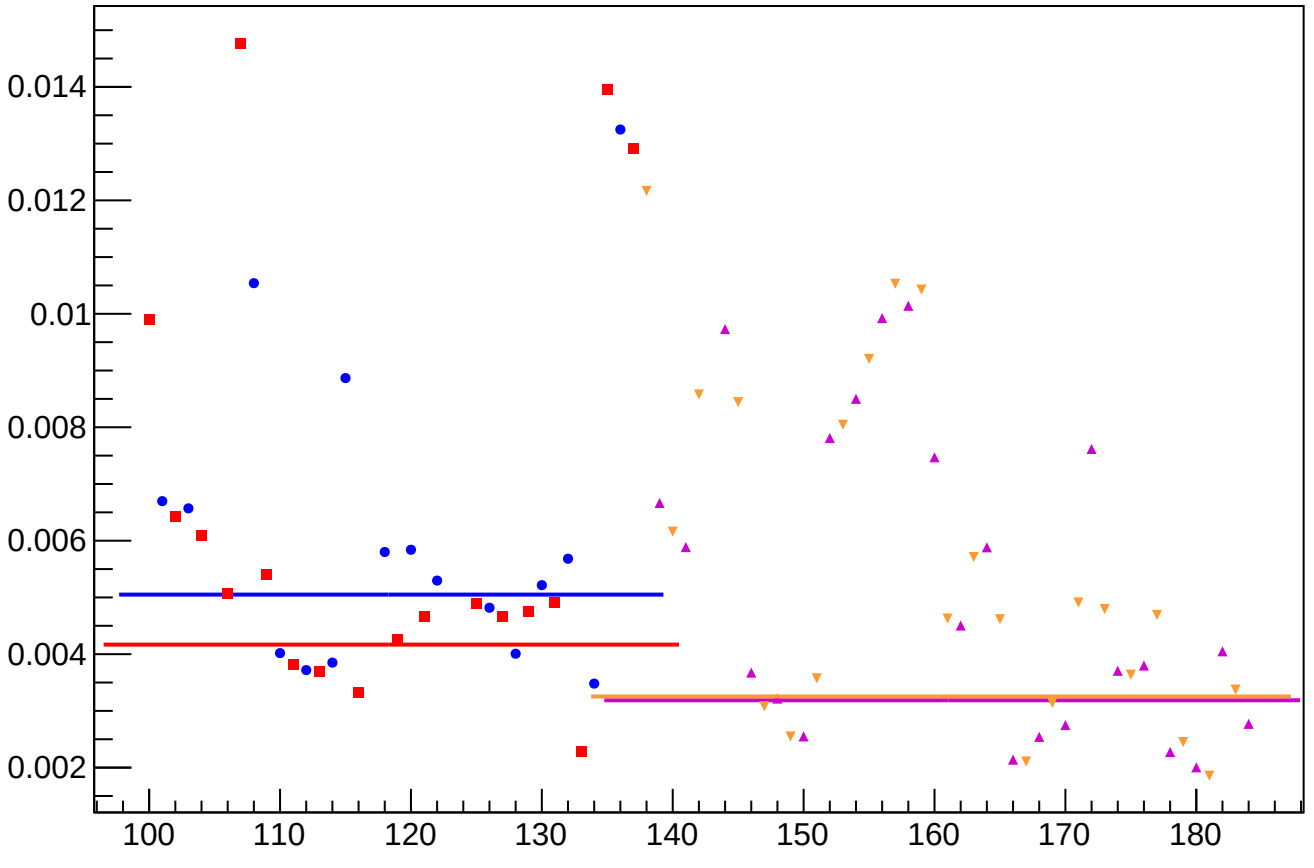
Left: -0.000+/-0.000 χ^2/NDF: 60.9/45

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:38.7/38

Out: -0.000+/-0.000 χ^2/NDF:72.4/40

All: -0.000+/-0.000 χ^2/NDF: 111.2/79



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:7301771.9/22

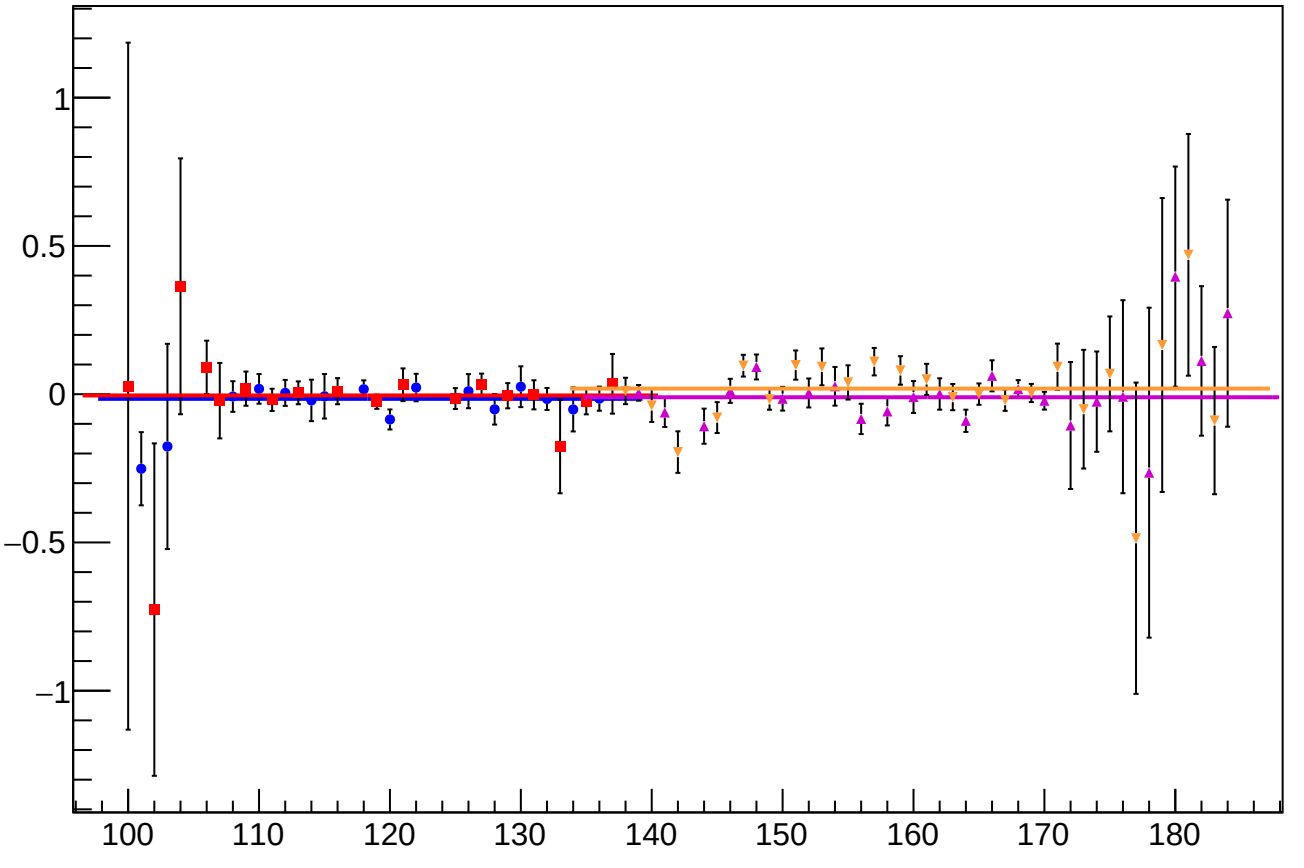
Left: 0.003+/-0.000 χ^2/NDF: 15037880.8/45

Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.003+/-0.000 χ^2/NDF:10230195.2/38

Out: 0.003+/-0.000 χ^2/NDF:10229868.0/40

All: 0.003+/-0.000 χ^2/NDF: 20461149.6/79



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: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 62.4/45

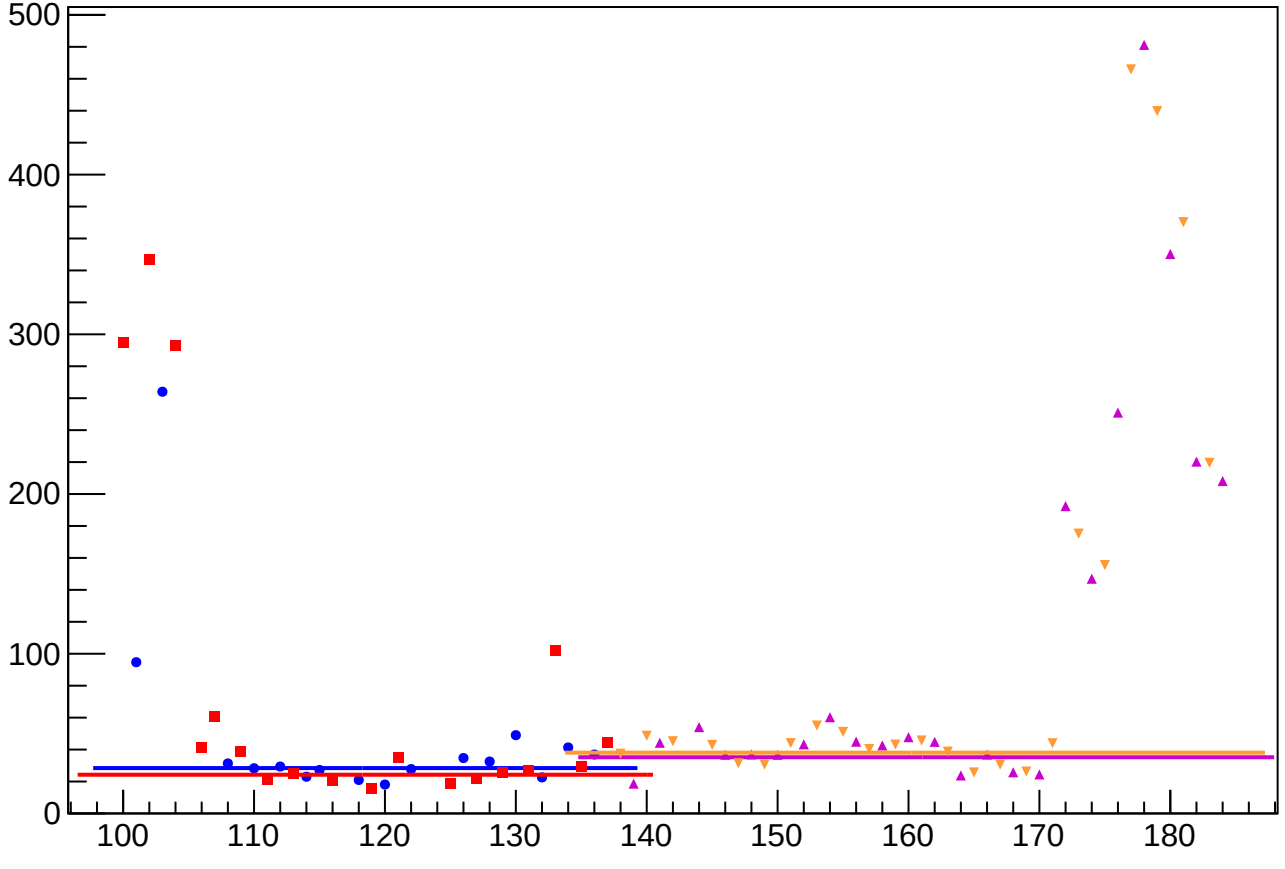
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:35.6/38

Out: 0.008+/-0.008 χ^2/NDF:44.9/40

All: -0.002+/-0.006 χ^2/NDF: 84.0/79

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: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.563+/-0.005 χ^2/NDF: 17427853.5/45

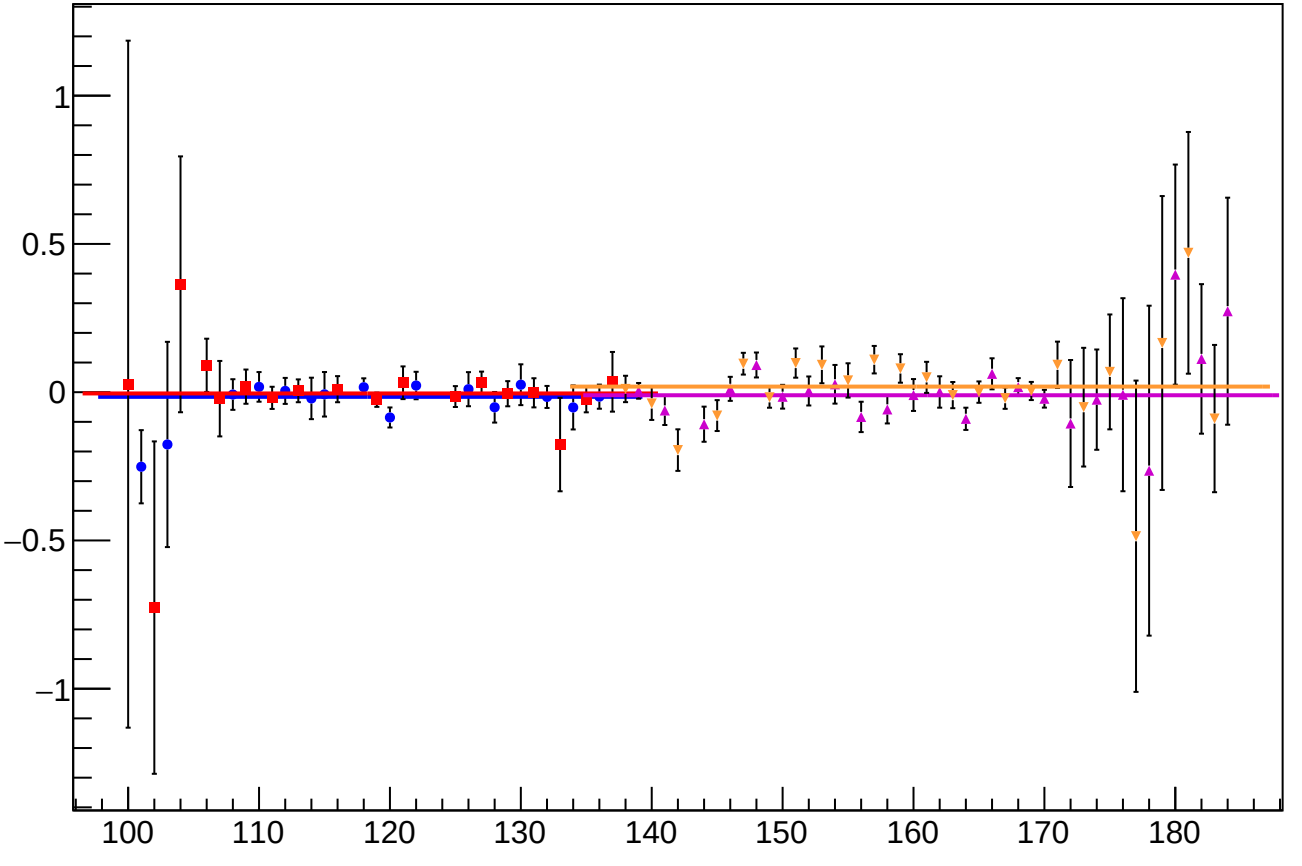
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.412+/-0.006 χ^2/NDF:11995444.8/38

Out: 31.556+/-0.006 χ^2/NDF:12418939.9/40

All: 31.983+/-0.004 χ^2/NDF: 24426227.6/79

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: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 62.4/45

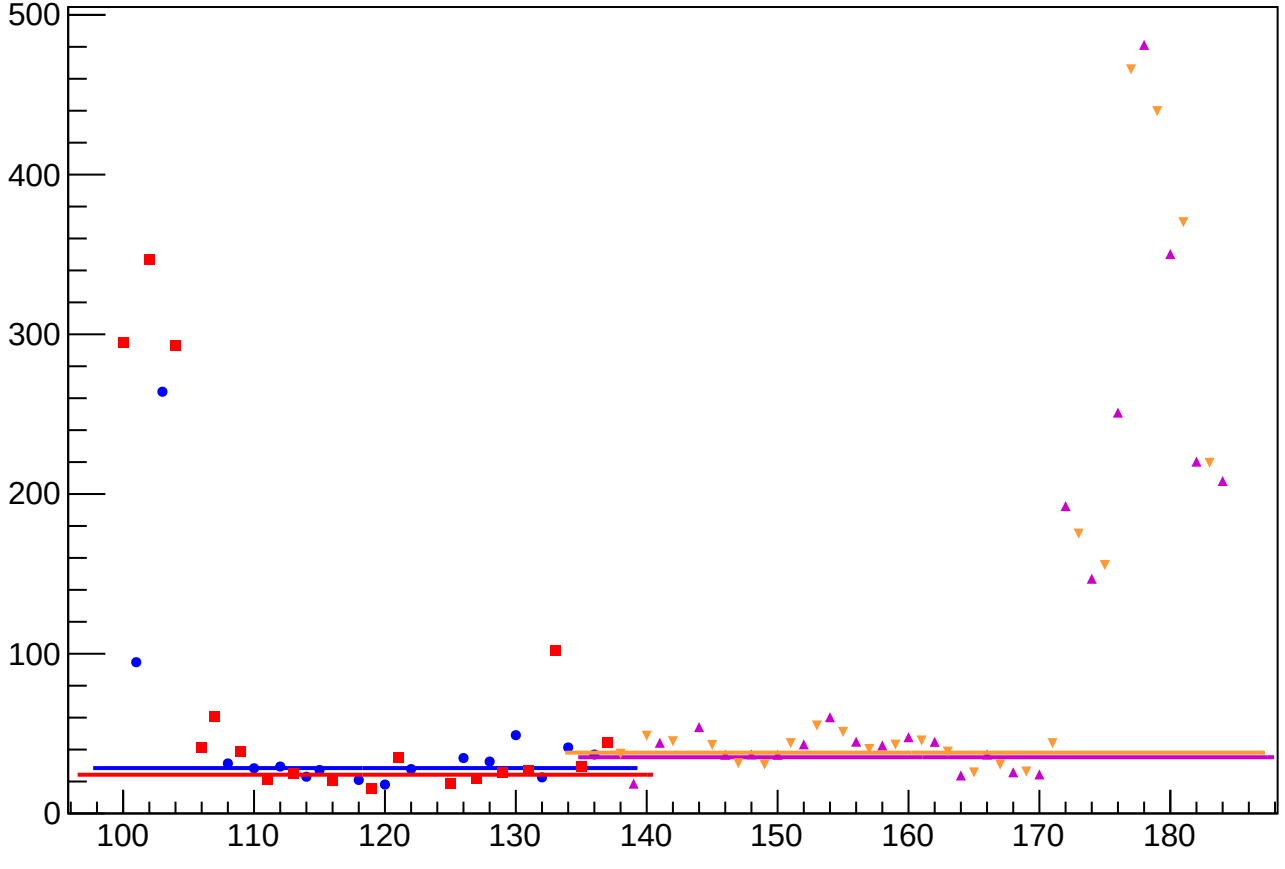
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:35.6/38

Out: 0.008+/-0.008 χ^2/NDF:44.9/40

All: -0.002+/-0.006 χ^2/NDF: 84.0/79

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: 35.195+/-0.007 χ^2/NDF:9391361.4/22

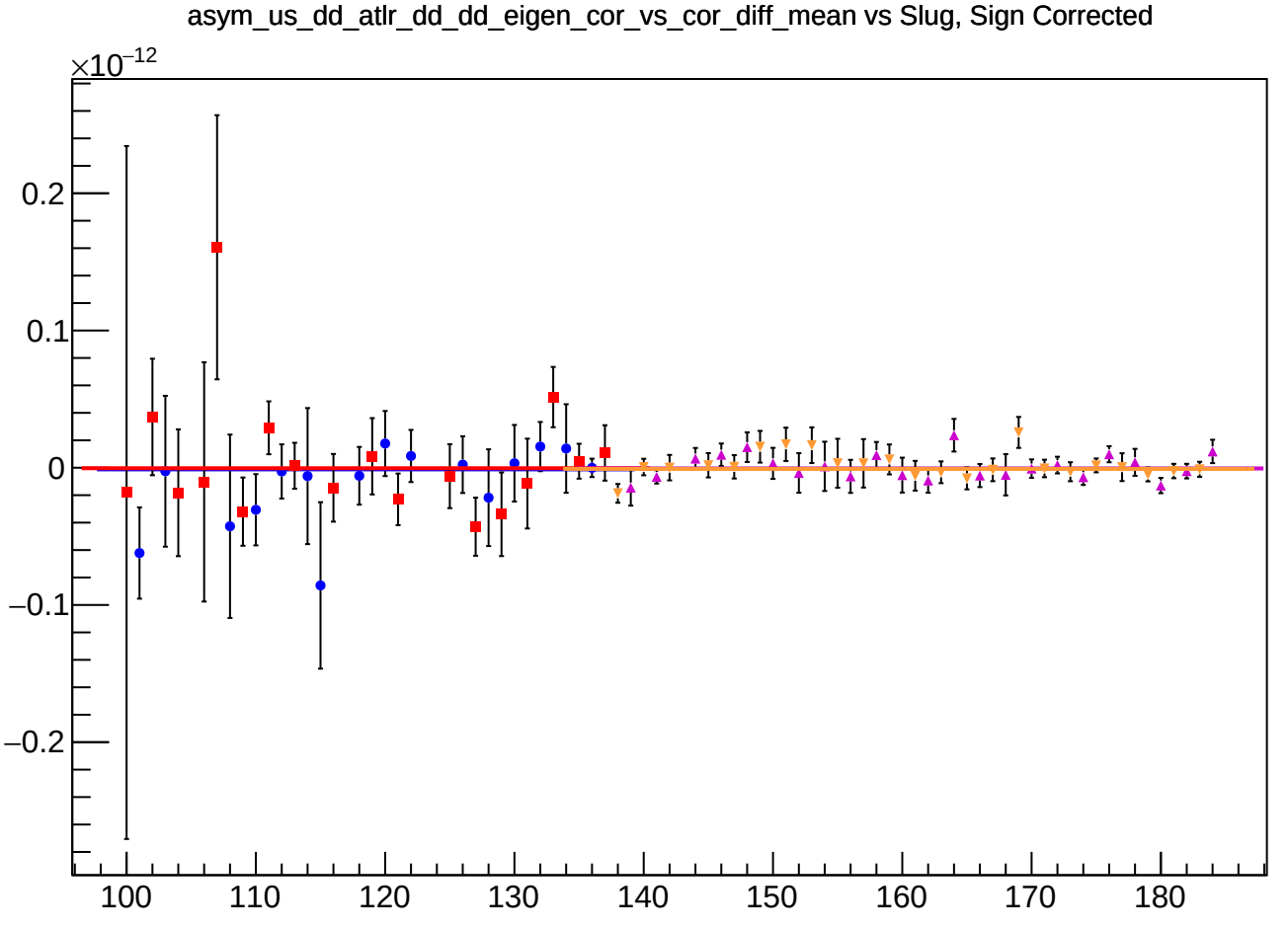
Left: 36.563+/-0.005 χ^2/NDF: 17427853.5/45

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.412+/-0.006 χ^2/NDF:11995444.8/38

Out: 31.556+/-0.006 χ^2/NDF:12418939.9/40

All: 31.983+/-0.004 χ^2/NDF: 24426227.6/79



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:26.2/22

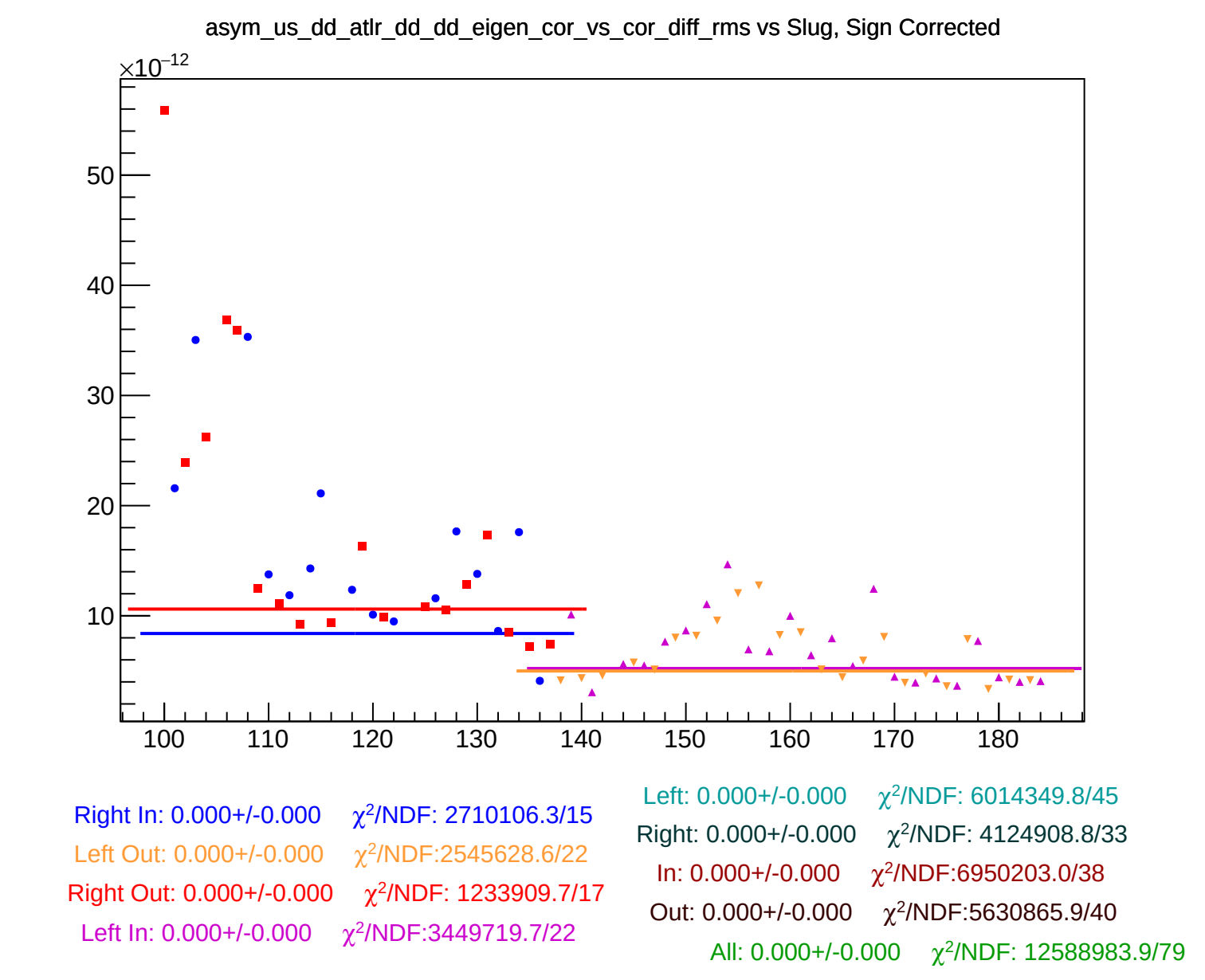
Left: -0.000+/-0.000 χ^2/NDF: 47.3/45

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

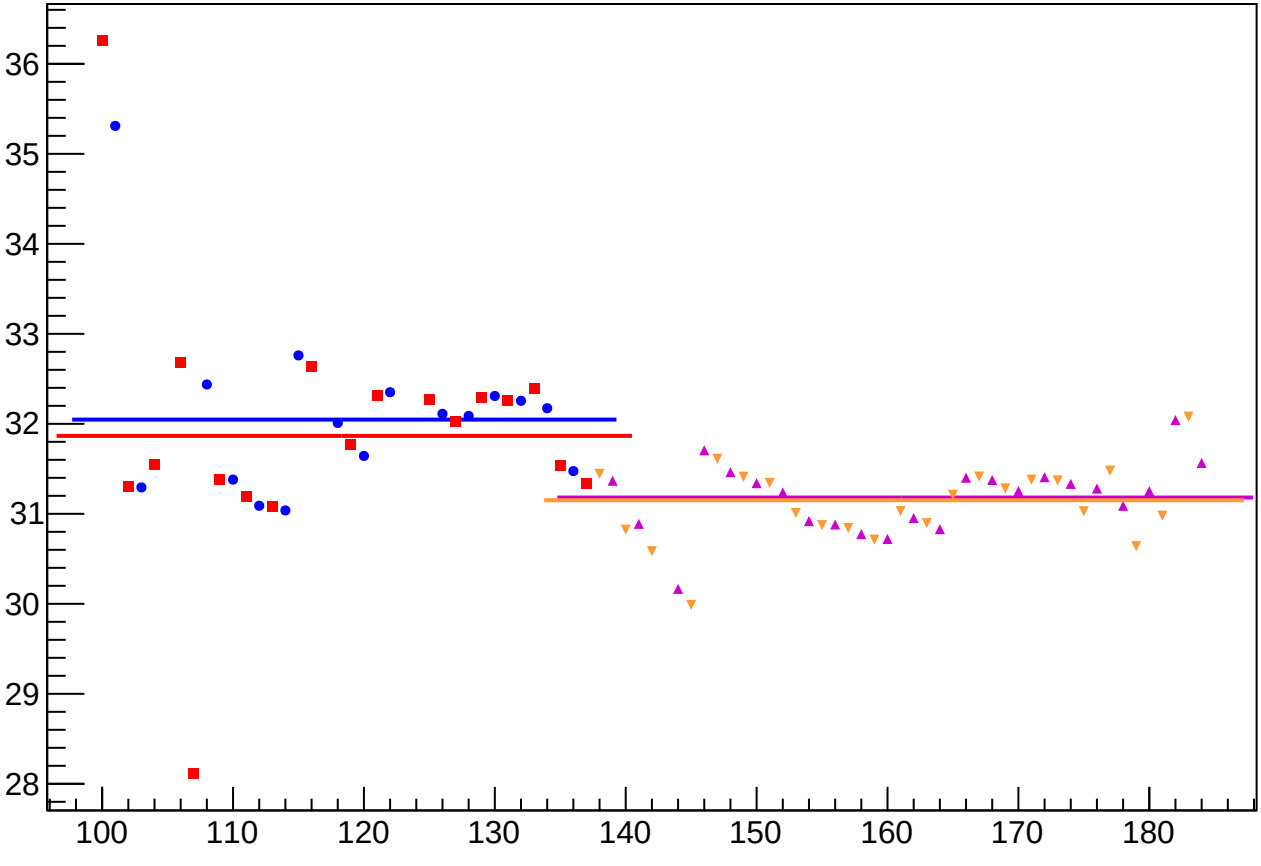
In: -0.000+/-0.000 χ^2/NDF:35.7/38

Out: -0.000+/-0.000 χ^2/NDF:42.1/40

All: -0.000+/-0.000 χ^2/NDF: 77.8/79


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2545628.6/22
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:3449719.7/22
Left: 0.000+/-0.000 χ²/NDF: 6014349.8/45
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:6950203.0/38
Out: 0.000+/-0.000 χ²/NDF:5630865.9/40
All: 0.000+/-0.000 χ²/NDF: 12588983.9/79

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: 31.181+/-0.000 χ^2/NDF:376263410.1/22

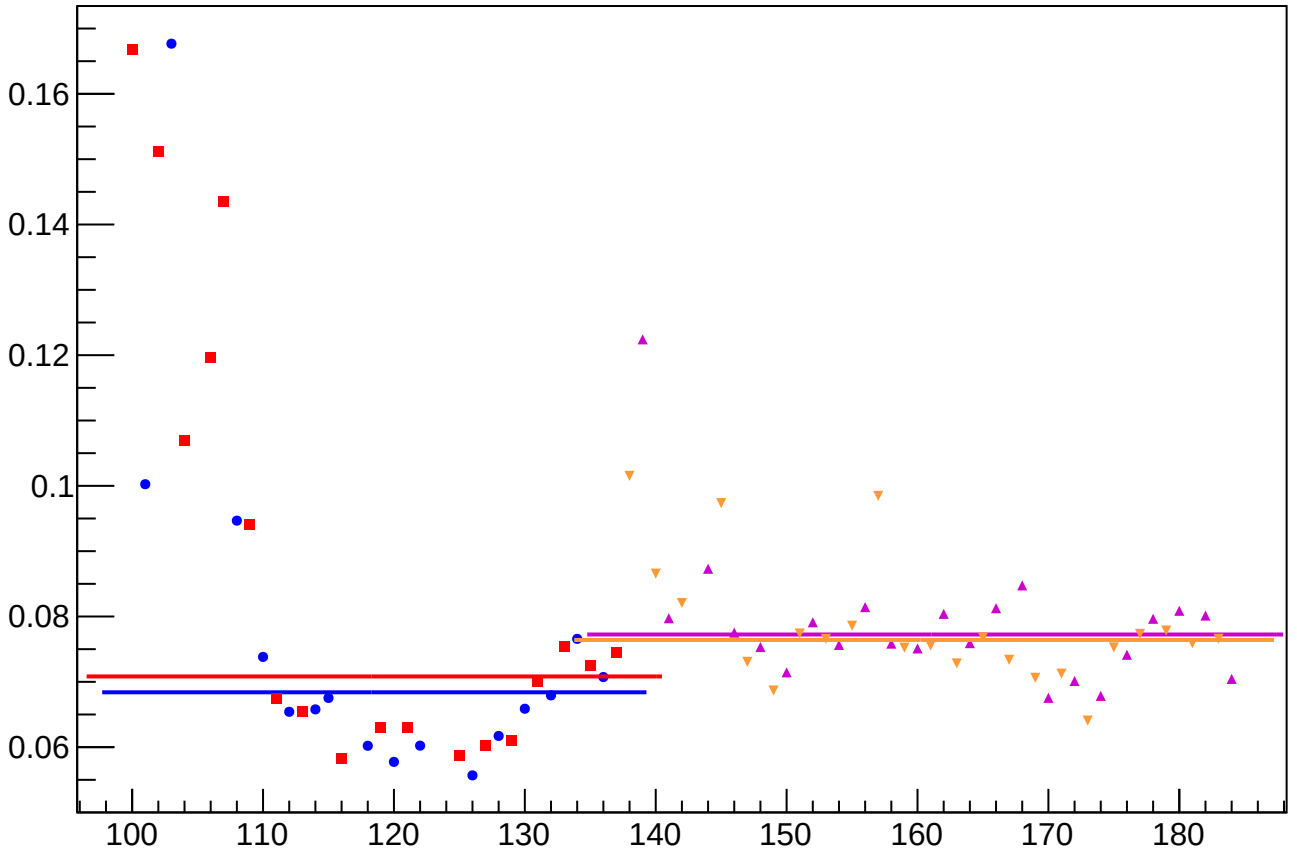
Left: 31.166+/-0.000 χ^2/NDF: 806458362.7/45

Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.463+/-0.000 χ^2/NDF:1951627774.3/38

Out: 31.369+/-0.000 χ^2/NDF:1355989524.0/40

All: 31.416+/-0.000 χ^2/NDF: 3325659178.1/7



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:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 719650.7/45

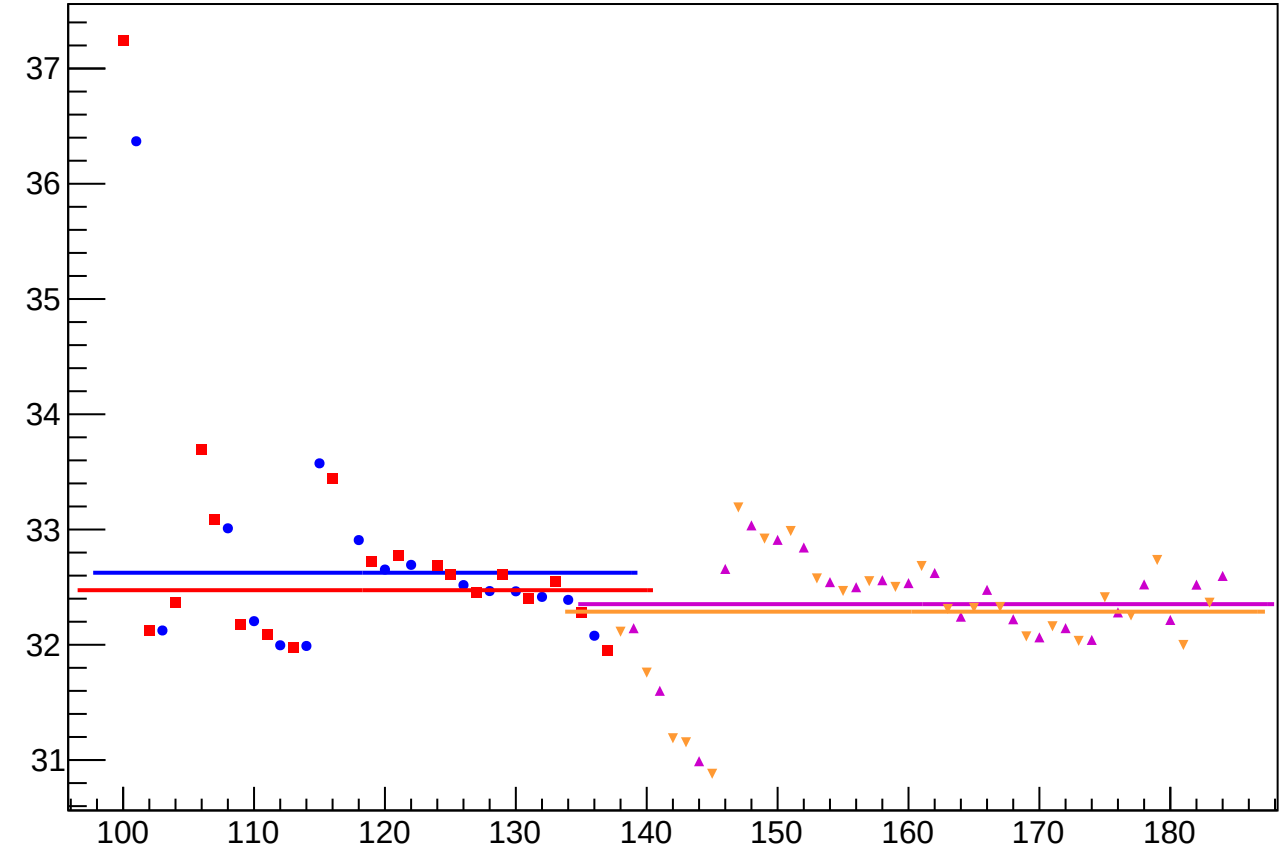
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1209676.1/38

Out: 0.075+/-0.000 χ^2/NDF:1274543.7/40

All: 0.075+/-0.000 χ^2/NDF: 2484693.4/79

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: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.320+/-0.000 χ^2/NDF: 1430551935.9/46

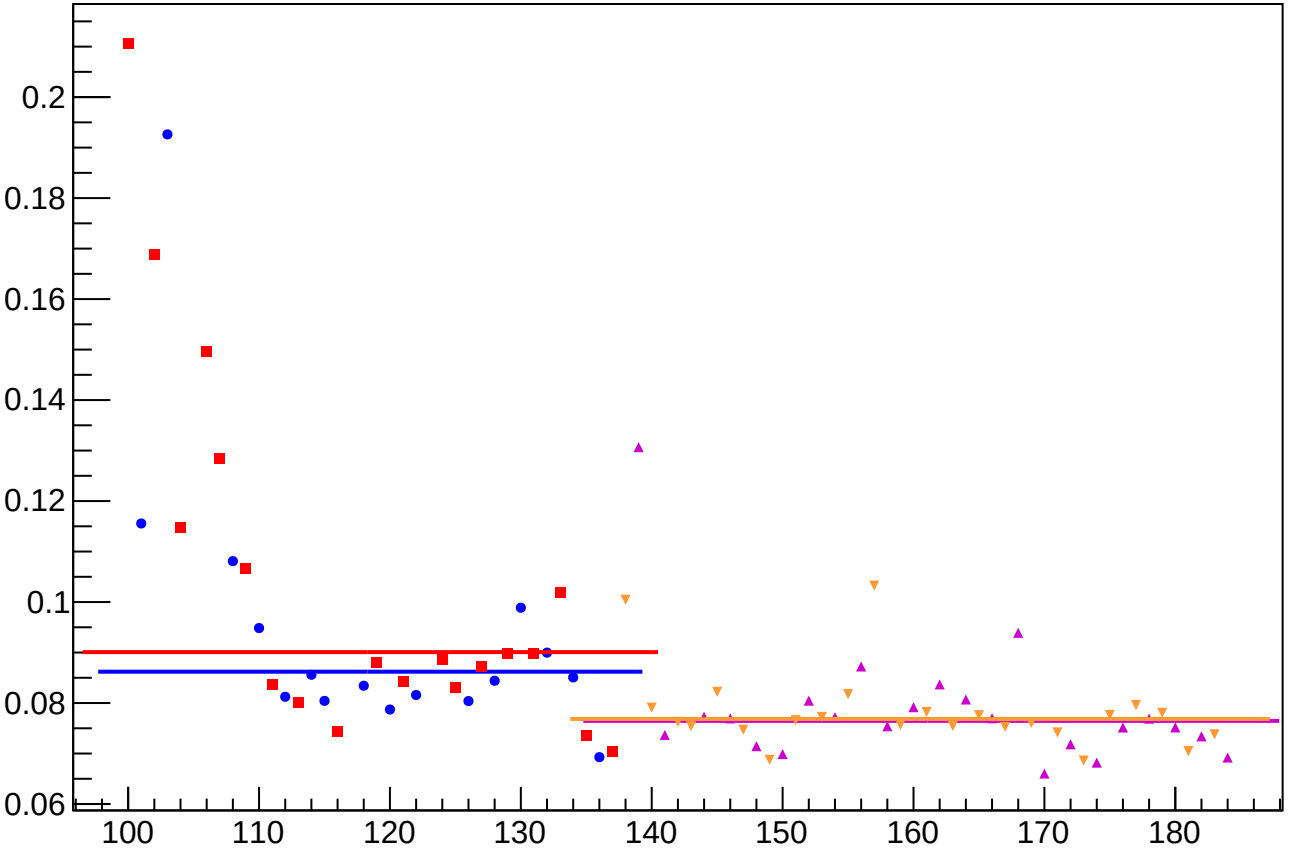
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.414+/-0.000 χ^2/NDF:1377523691.3/38

Out: 32.327+/-0.000 χ^2/NDF:1012968387.2/42

All: 32.370+/-0.000 χ^2/NDF: 2404797944.5/8

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: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 731376.6/46

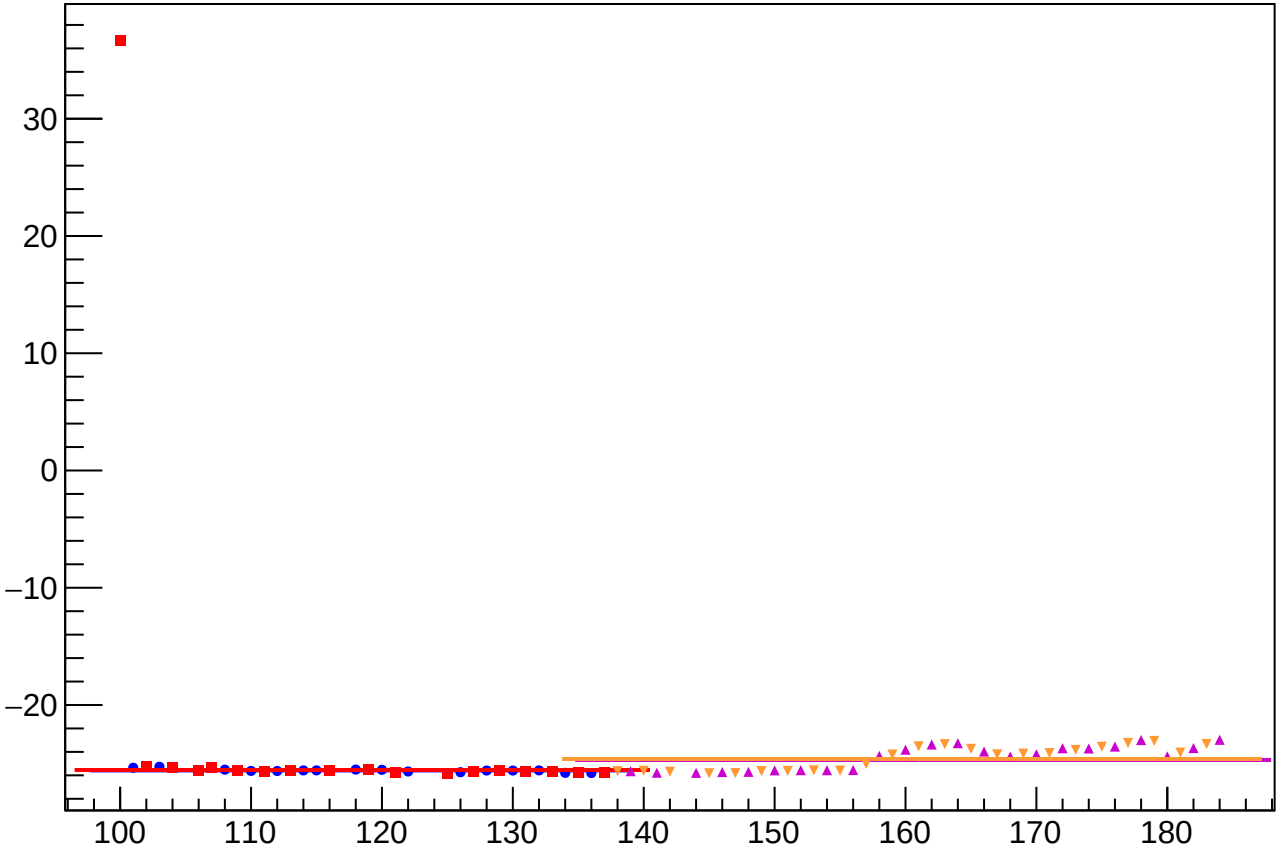
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.079+/-0.000 χ^2/NDF:1205149.6/38

Out: 0.080+/-0.000 χ^2/NDF:1089373.8/42

All: 0.079+/-0.000 χ^2/NDF: 2298095.5/81

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: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.648+/-0.000 χ^2/NDF: 17770121109.6/45

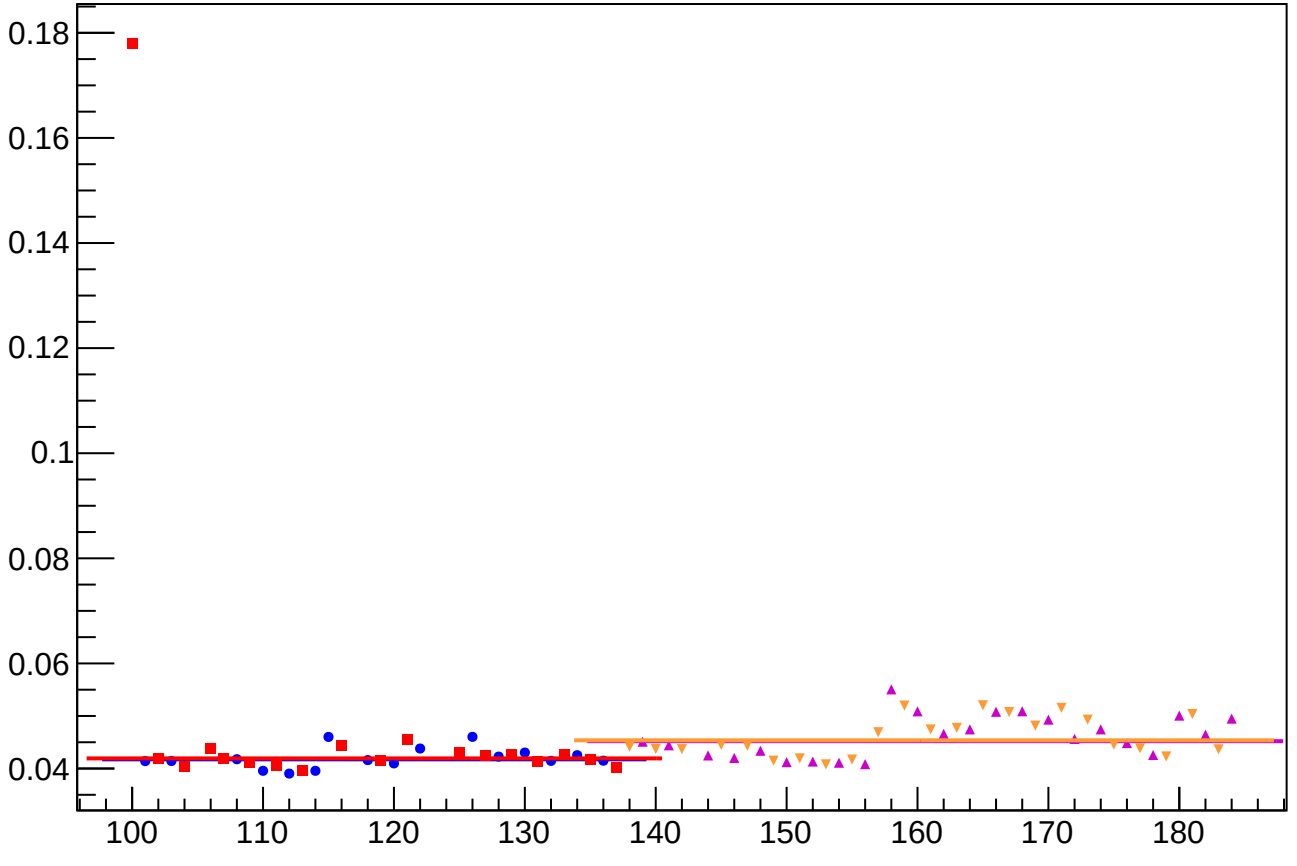
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -24.974+/-0.000 χ^2/NDF:11132166217.0/38

Out: -24.909+/-0.000 χ^2/NDF:20276505805.9/40

All: -24.942+/-0.000 χ^2/NDF: 31435571298.2

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:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 448662.4/45

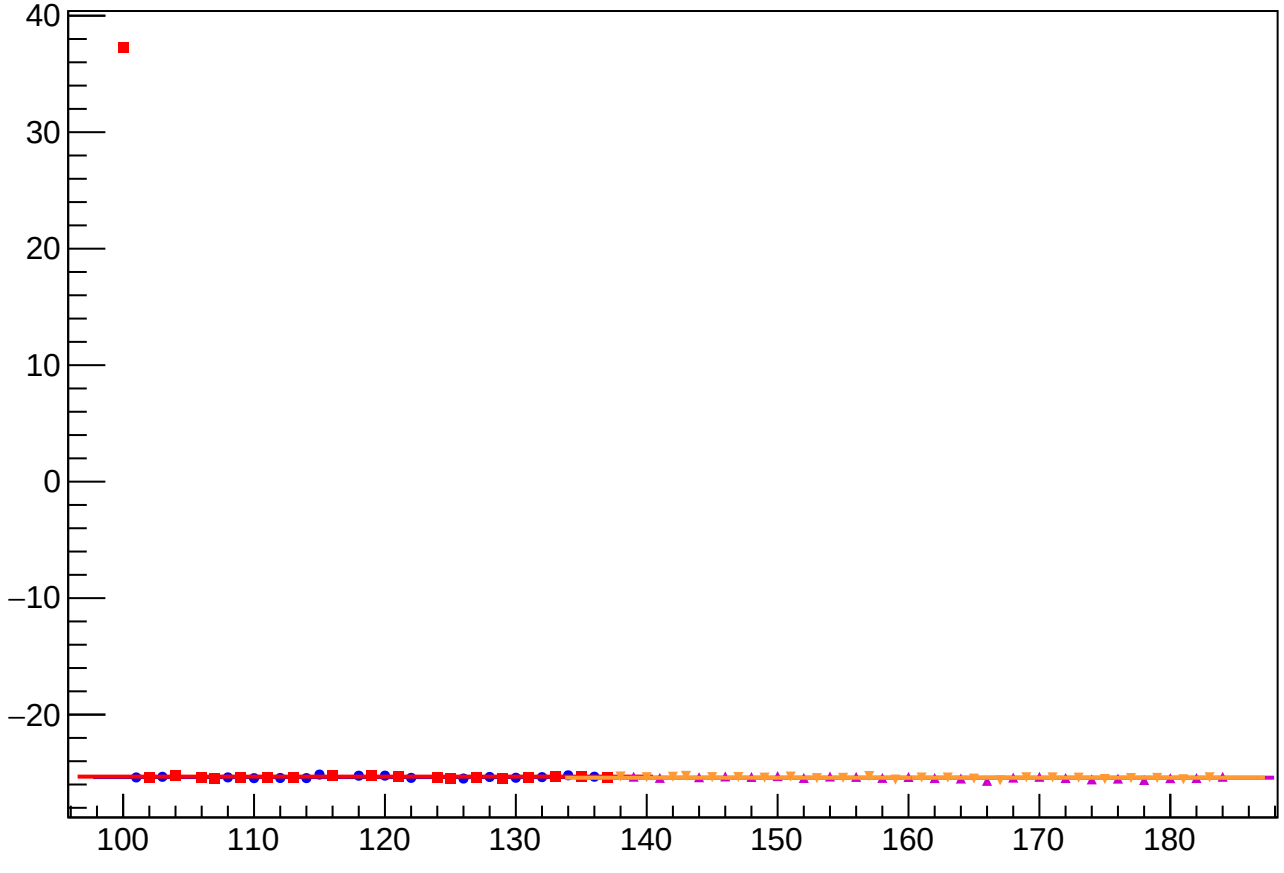
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.044+/-0.000 χ^2/NDF:332142.7/38

Out: 0.044+/-0.000 χ^2/NDF:369866.0/40

All: 0.044+/-0.000 χ^2/NDF: 702335.0/79

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: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 107431071.0/46

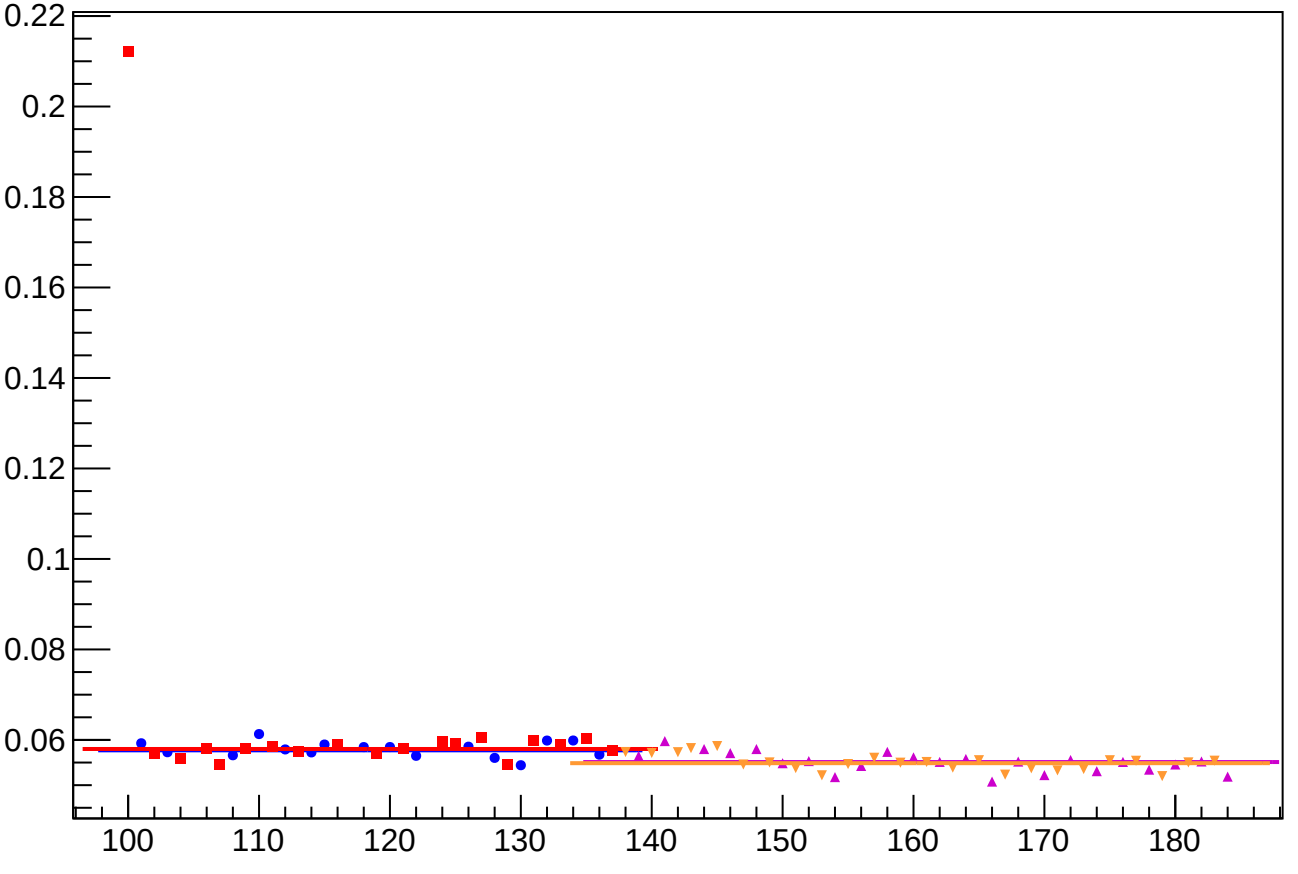
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.400+/-0.000 χ^2/NDF:73635015.2/38

Out: -25.393+/-0.000 χ^2/NDF:6381105669.5/42

All: -25.396+/-0.000 χ^2/NDF: 6454927710.7/

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:51531.3/22

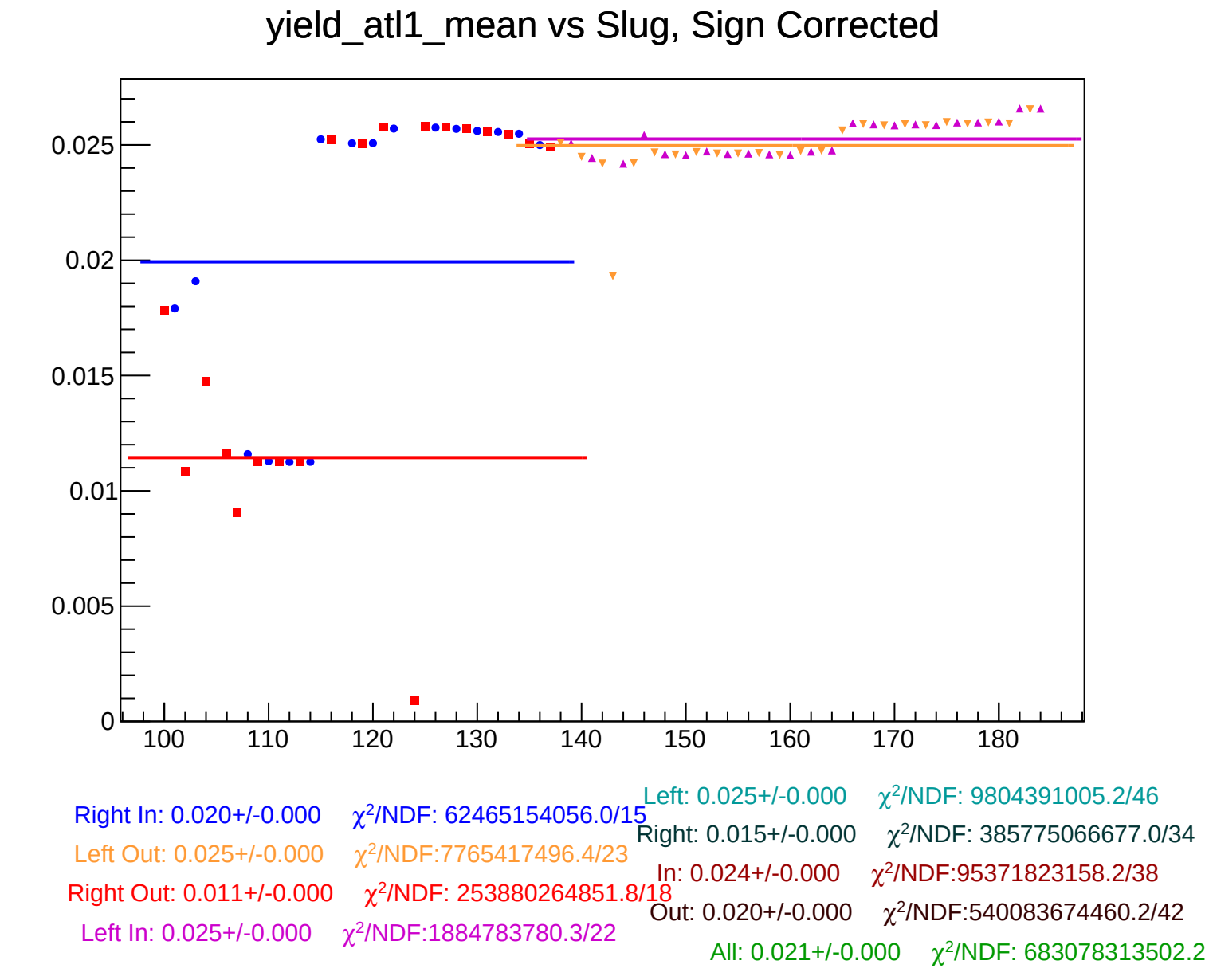
Left: 0.055+/-0.000 χ^2/NDF: 88670.3/46

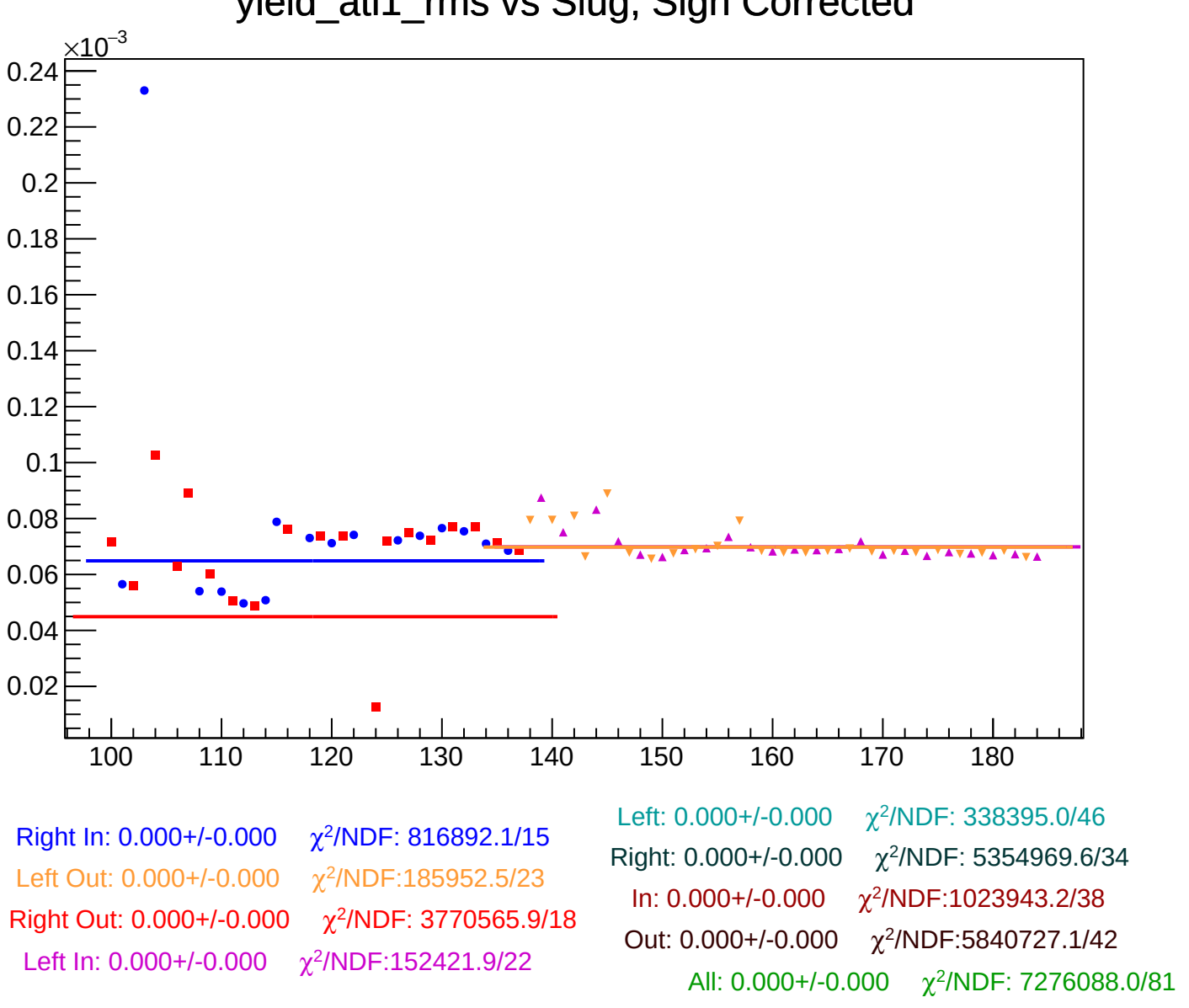
Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.056+/-0.000 χ^2/NDF:83971.3/38

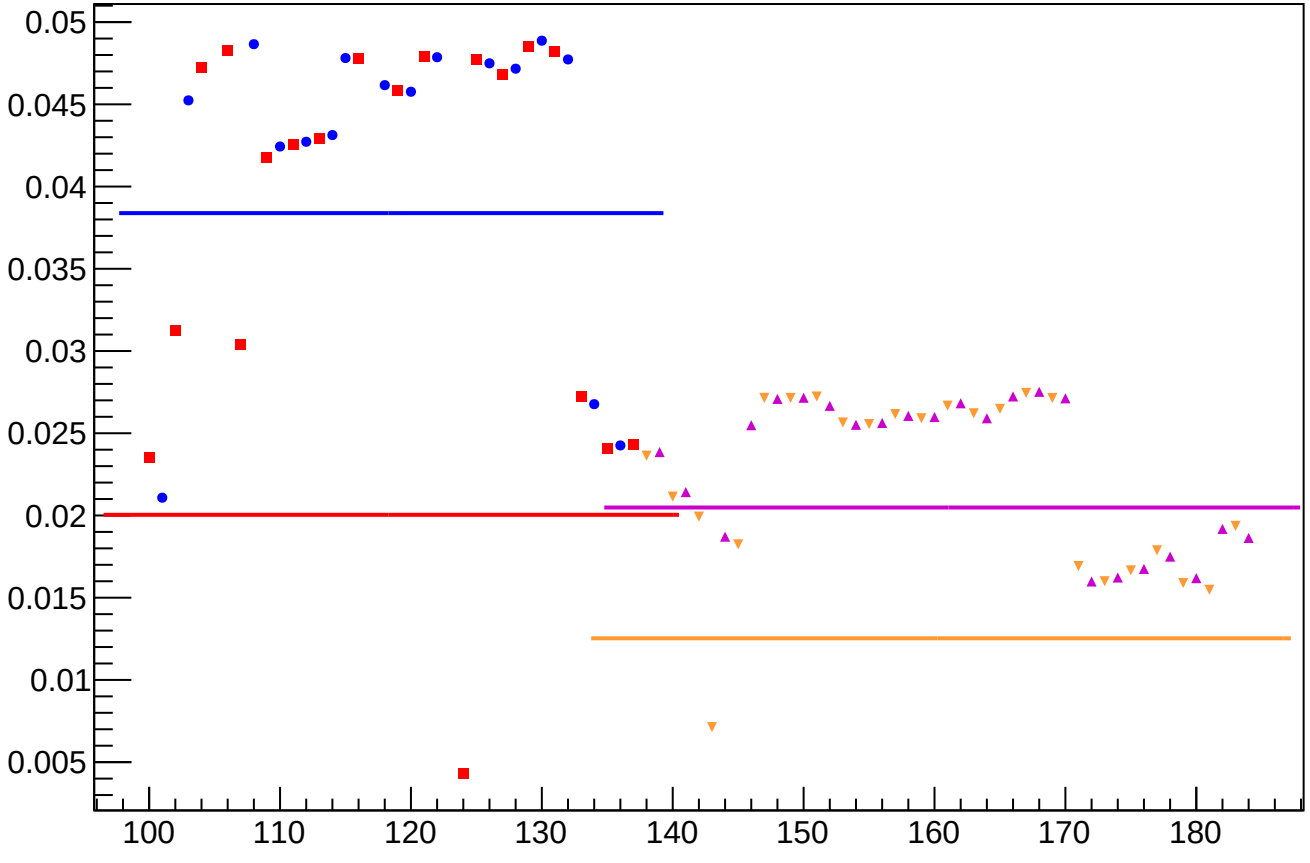
Out: 0.056+/-0.000 χ^2/NDF:156691.0/42

All: 0.056+/-0.000 χ^2/NDF: 240779.1/81


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:1884783780.3/22
Left: 0.025+/-0.000 χ²/NDF: 9804391005.2/46
Right: 0.015+/-0.000 χ²/NDF: 385775066677.0/34
In: 0.024+/-0.000 χ²/NDF:95371823158.2/38
Out: 0.020+/-0.000 χ²/NDF:540083674460.2/42
All: 0.021+/-0.000 χ²/NDF: 683078313502.2


yield_atl1_rms vs Slug, Sign Corrected
×10⁻³
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 816892.1/15
Left Out: 0.000+/-0.000 χ²/NDF:185952.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 3770565.9/18
Left In: 0.000+/-0.000 χ²/NDF:152421.9/22
Left: 0.000+/-0.000 χ²/NDF: 338395.0/46
Right: 0.000+/-0.000 χ²/NDF: 5354969.6/34
In: 0.000+/-0.000 χ²/NDF:1023943.2/38
Out: 0.000+/-0.000 χ²/NDF:5840727.1/42
All: 0.000+/-0.000 χ²/NDF: 7276088.0/81

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: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

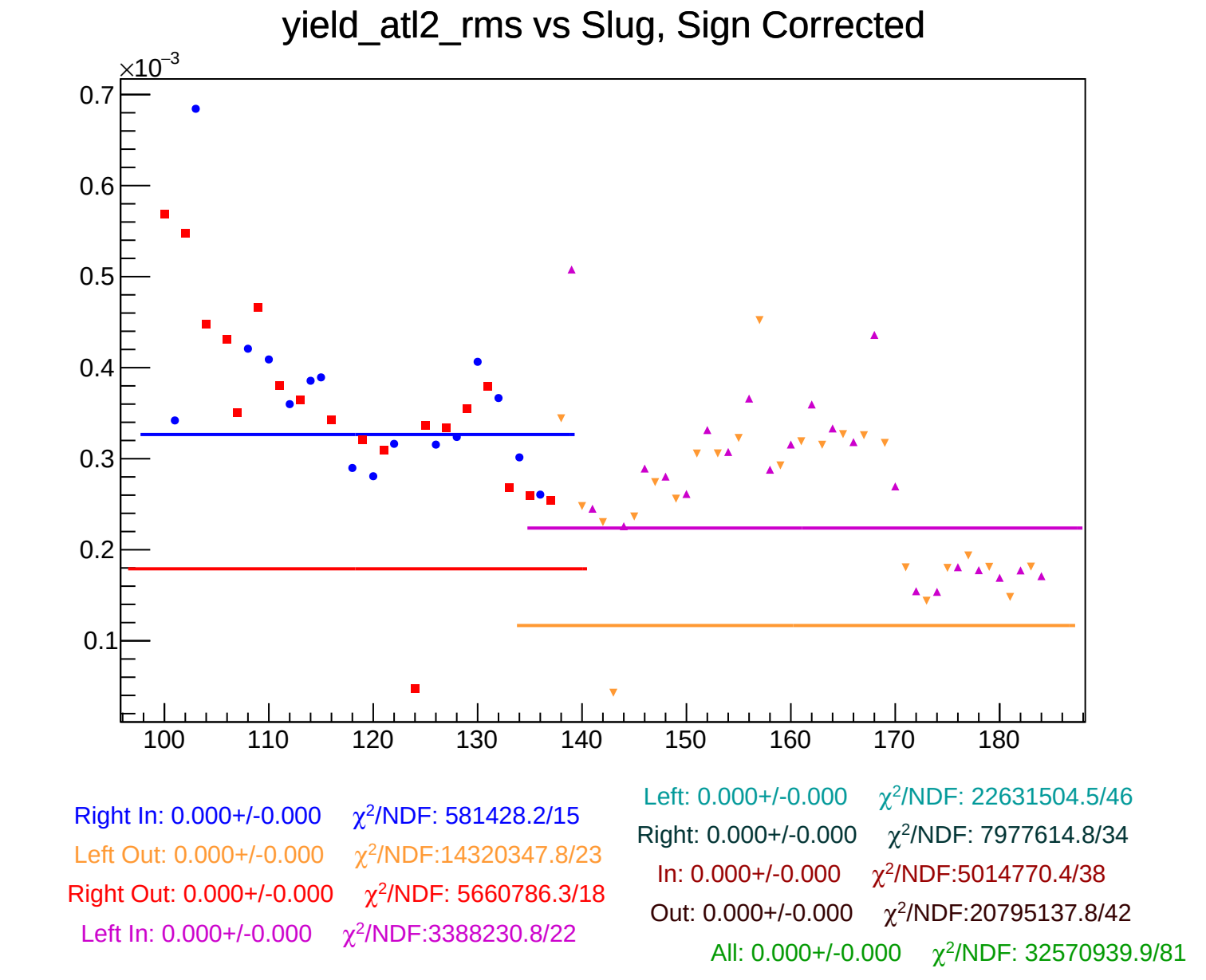
Left: 0.015+/-0.000 χ^2/NDF: 56657695271.3/46

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

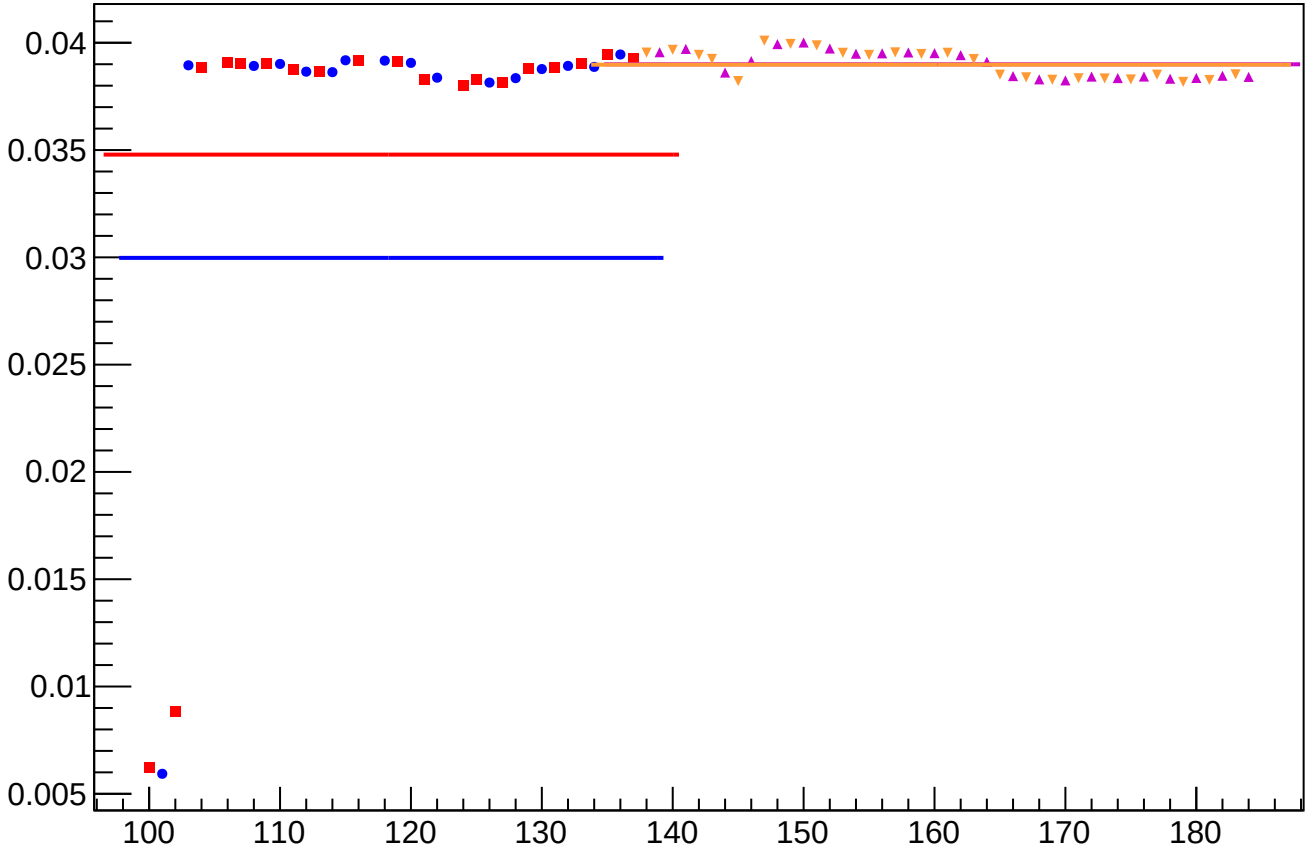
In: 0.023+/-0.000 χ^2/NDF:29036126319.3/38

Out: 0.014+/-0.000 χ^2/NDF:85071681458.8/42

All: 0.016+/-0.000 χ^2/NDF: 138768950478.4


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:3388230.8/22
Left: 0.000+/-0.000 χ²/NDF: 22631504.5/46
Right: 0.000+/-0.000 χ²/NDF: 7977614.8/34
In: 0.000+/-0.000 χ²/NDF:5014770.4/38
Out: 0.000+/-0.000 χ²/NDF:20795137.8/42
All: 0.000+/-0.000 χ²/NDF: 32570939.9/81

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:408808029.6/22

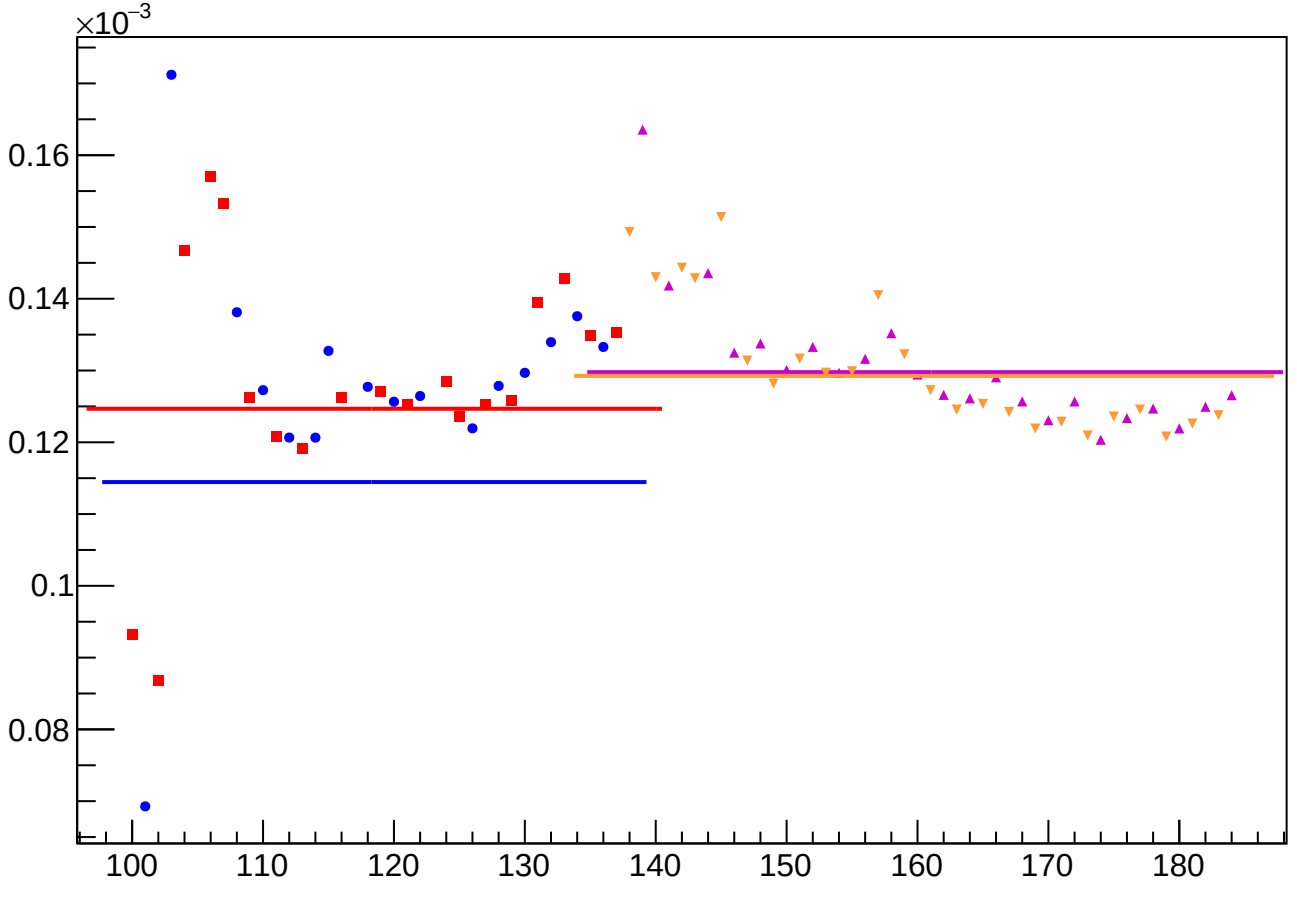
Left: 0.039+/-0.000 χ^2/NDF: 884708760.8/46

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.036+/-0.000 χ^2/NDF:136617506258.8/38

Out: 0.038+/-0.000 χ^2/NDF:53334110376.0/42

All: 0.037+/-0.000 χ^2/NDF: 192217844576.3



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:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 297988.3/46

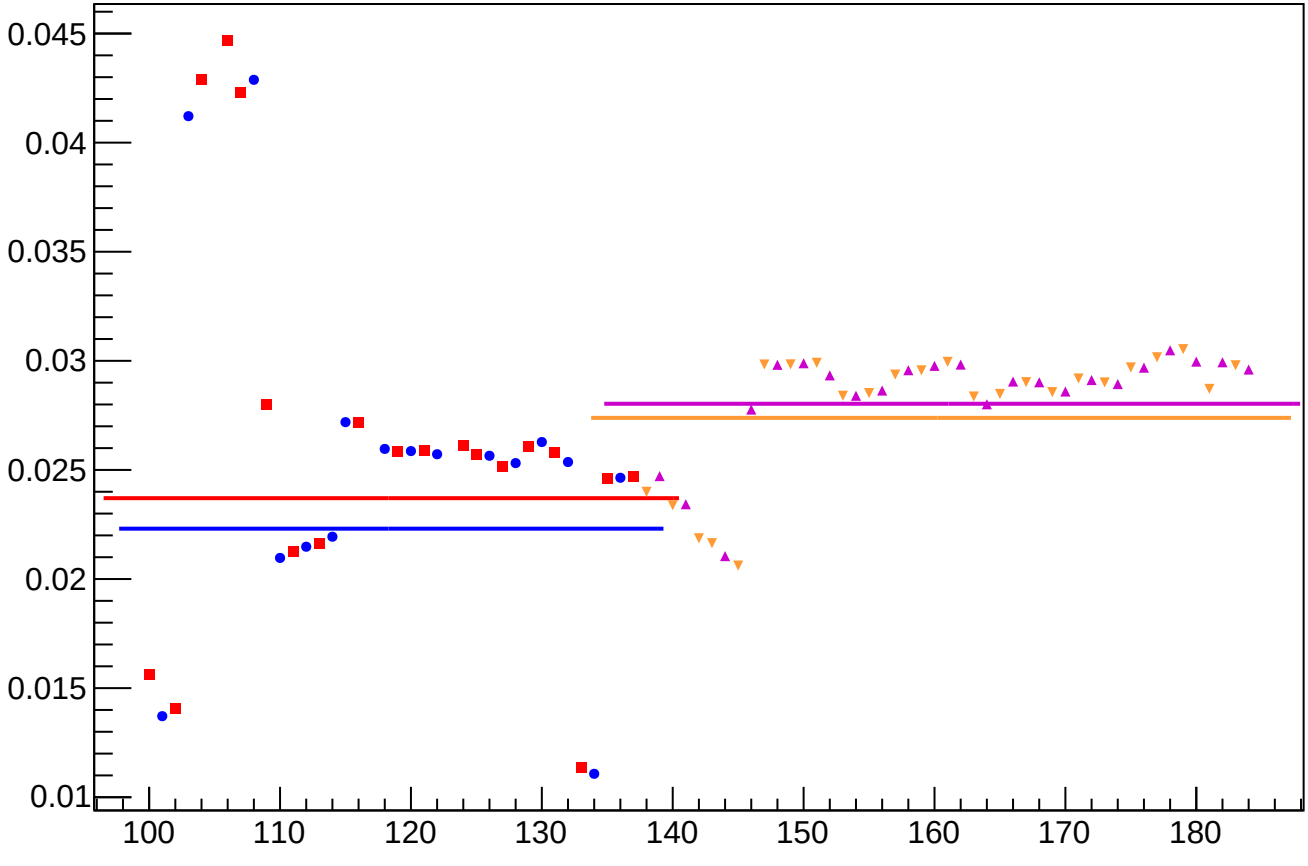
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1155969.6/38

Out: 0.000+/-0.000 χ^2/NDF:429625.5/42

All: 0.000+/-0.000 χ^2/NDF: 1600864.5/81

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:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3756875505.6/46

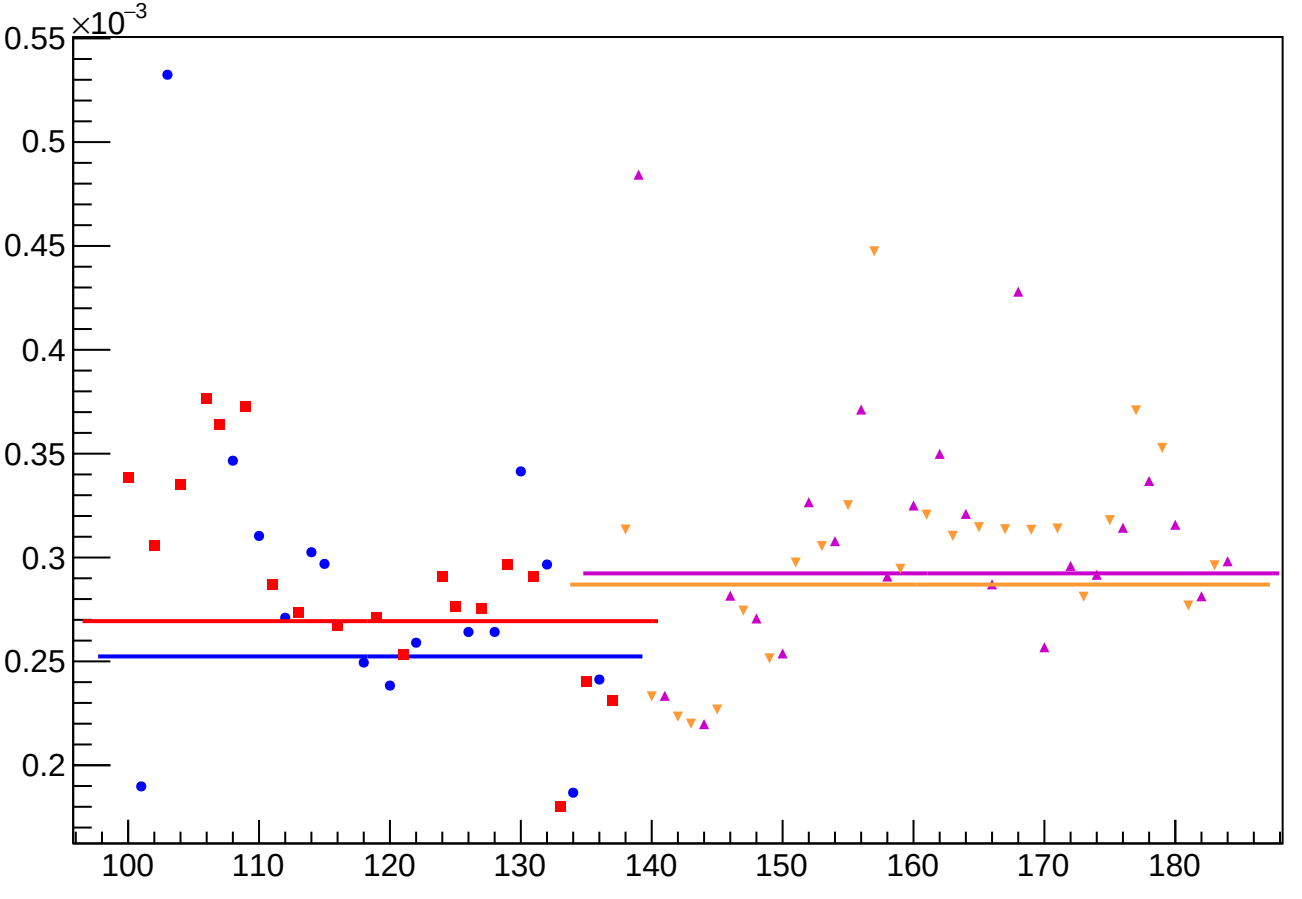
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.026+/-0.000 χ^2/NDF:8634560801.1/38

Out: 0.026+/-0.000 χ^2/NDF:8648520441.7/42

All: 0.026+/-0.000 χ^2/NDF: 17287277751.7/8

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:970483.1/22

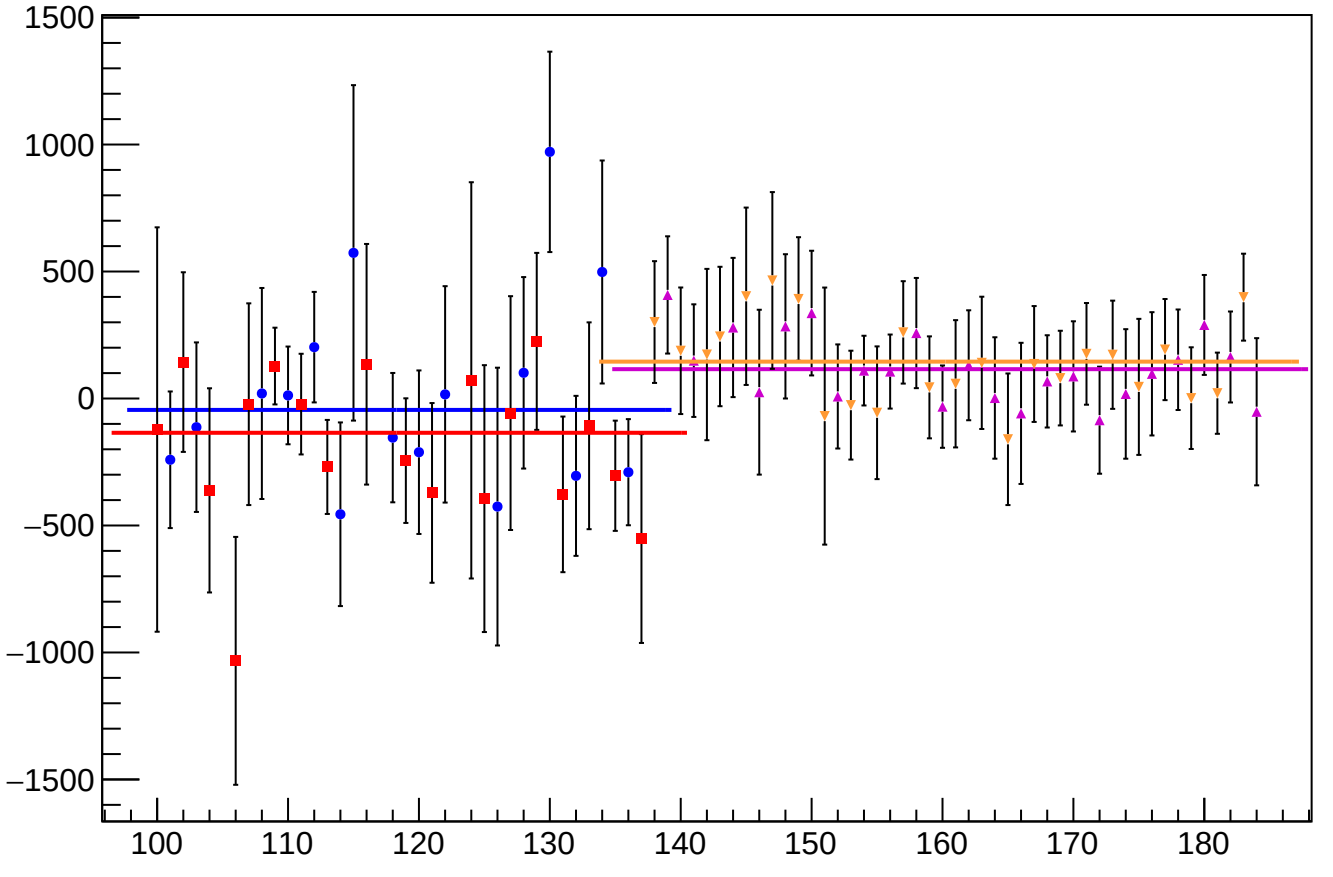
Left: 0.000+/-0.000 χ^2/NDF: 1792188.5/46

Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1886308.2/38

Out: 0.000+/-0.000 χ^2/NDF:1300902.6/42

All: 0.000+/-0.000 χ^2/NDF: 3189455.1/81



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: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 129.275+/-31.888 χ^2/NDF: 18.2/46

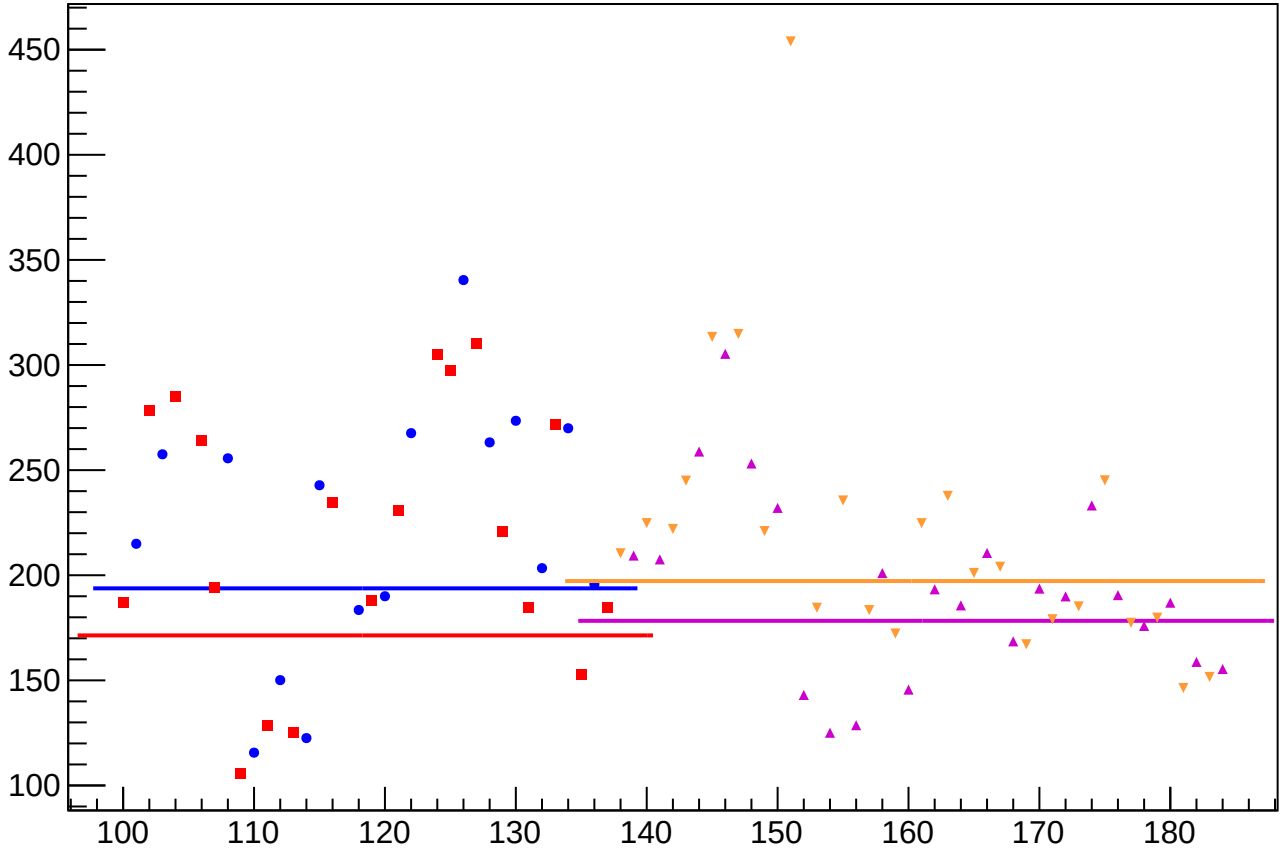
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 75.967+/-37.822 χ^2/NDF:26.6/38

Out: 55.245+/-38.562 χ^2/NDF:34.6/42

All: 65.807+/-27.002 χ^2/NDF: 61.3/81

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: 178.318+/-0.031 χ^2/NDF:1678336.4/22

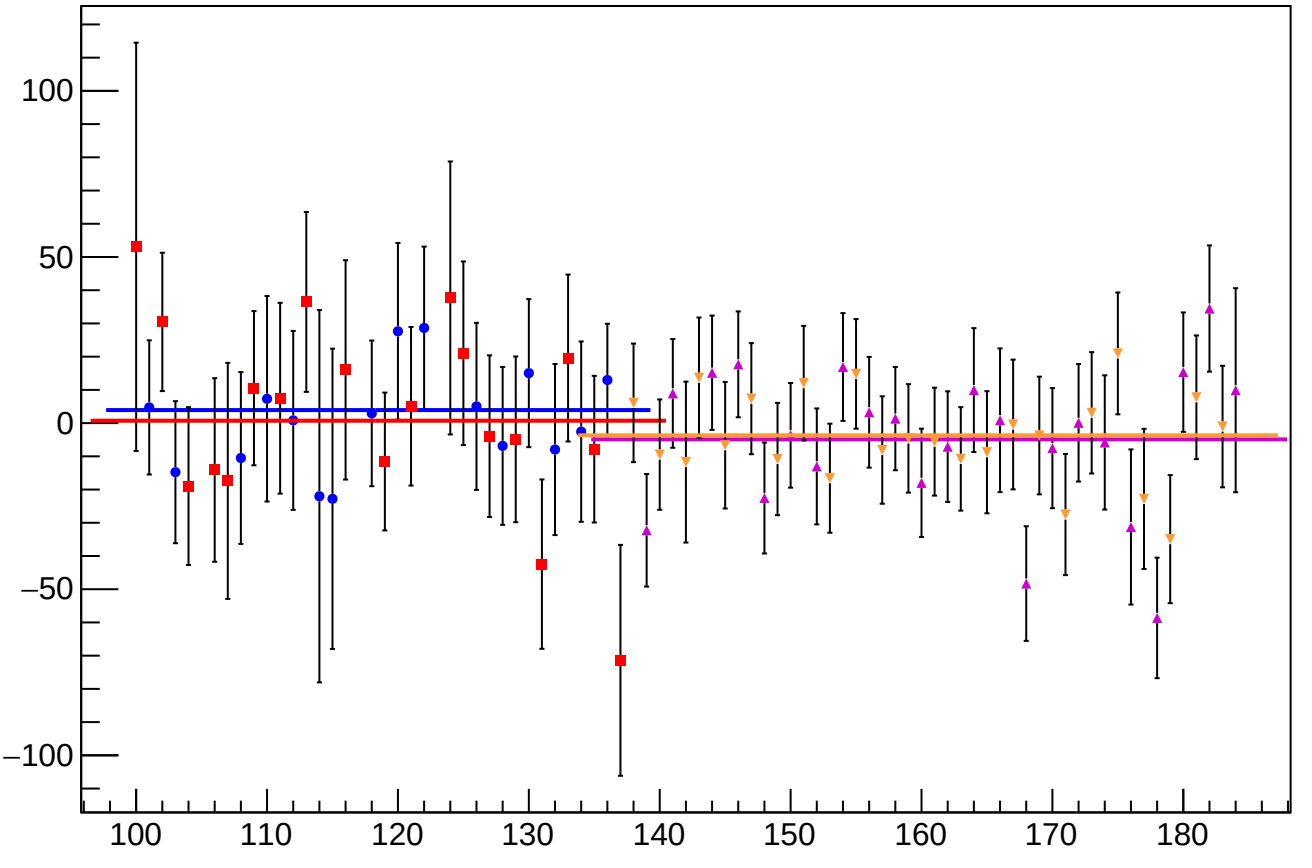
Left: 187.106+/-0.023 χ^2/NDF: 3622234.5/46

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 182.124+/-0.027 χ^2/NDF:2788396.2/38

Out: 188.942+/-0.027 χ^2/NDF:3622813.7/42

All: 185.467+/-0.019 χ^2/NDF: 6443077.5/81



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: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.279+/-2.587 χ^2/NDF: 46.6/46

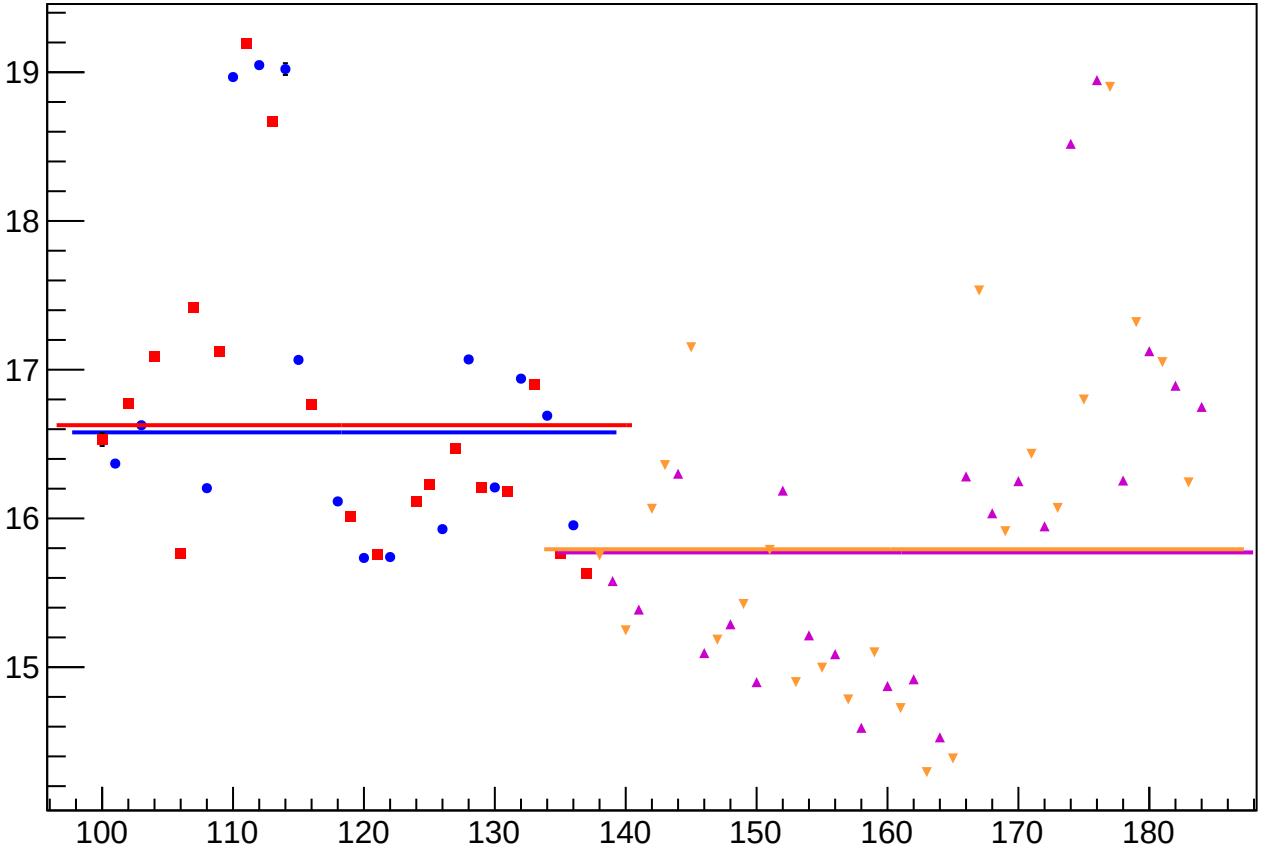
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -2.574+/-3.170 χ^2/NDF:39.9/38

Out: -2.526+/-3.112 χ^2/NDF:29.0/42

All: -2.550+/-2.221 χ^2/NDF: 68.9/81

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: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.782+/-0.002 χ^2/NDF: 322409.8/46

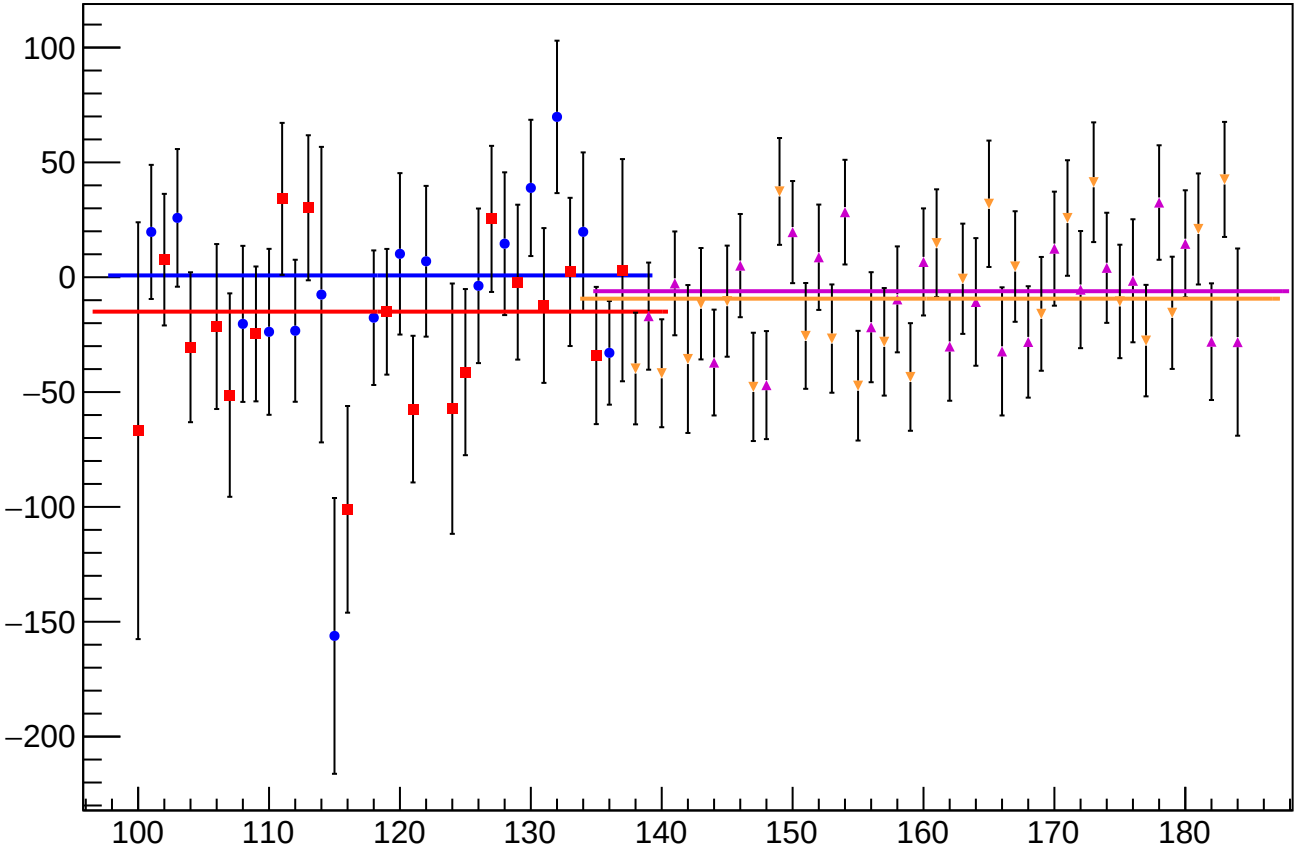
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.984+/-0.002 χ^2/NDF:221895.9/38

Out: 16.012+/-0.002 χ^2/NDF:241504.4/42

All: 15.998+/-0.002 χ^2/NDF: 463474.6/81

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: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.741+/-3.559 χ^2/NDF: 51.3/46

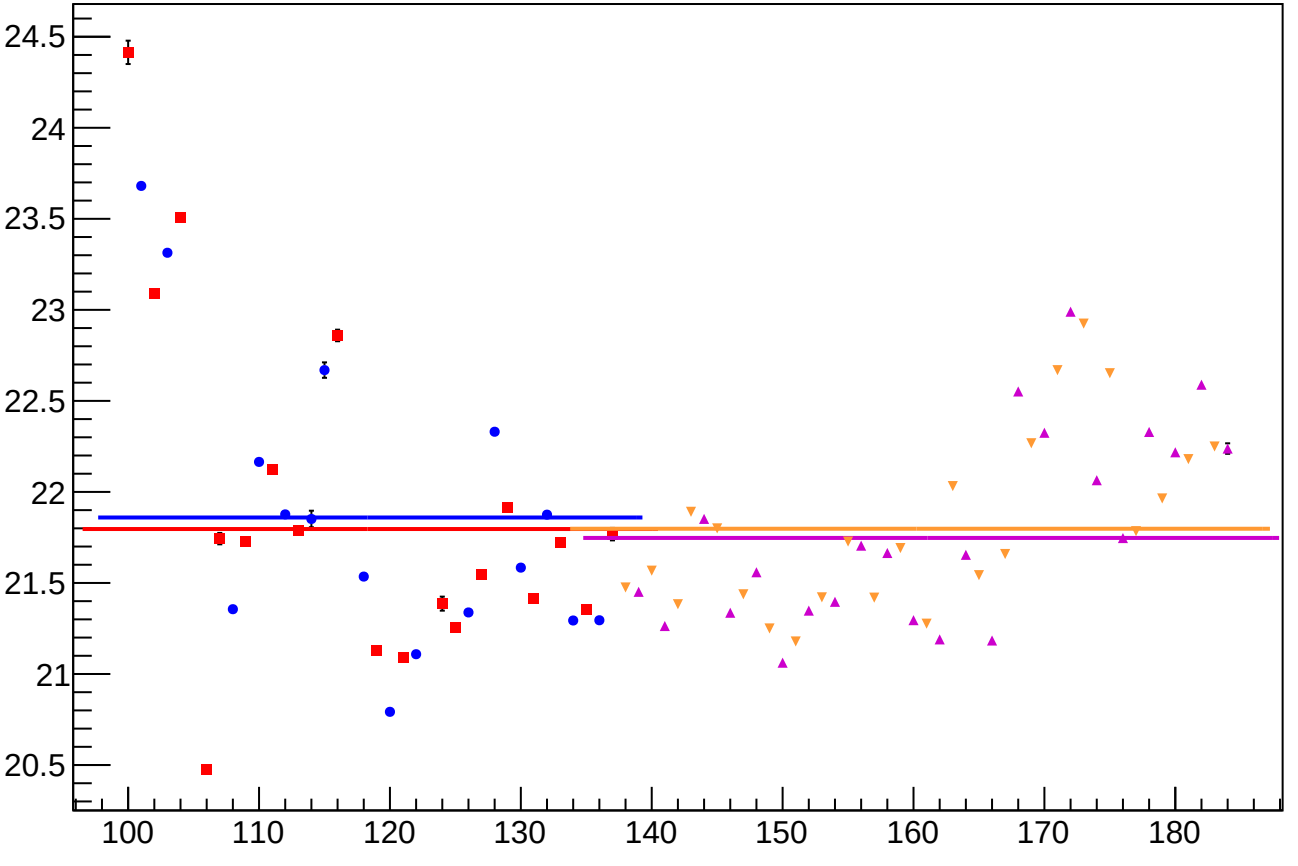
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -4.154+/-4.307 χ^2/NDF:37.0/38

Out: -10.928+/-4.225 χ^2/NDF:49.0/42

All: -7.606+/-3.016 χ^2/NDF: 87.3/81

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: 21.747+/-0.004 χ^2/NDF:20560.9/22

Left: 21.773+/-0.003 χ^2/NDF: 37586.4/46

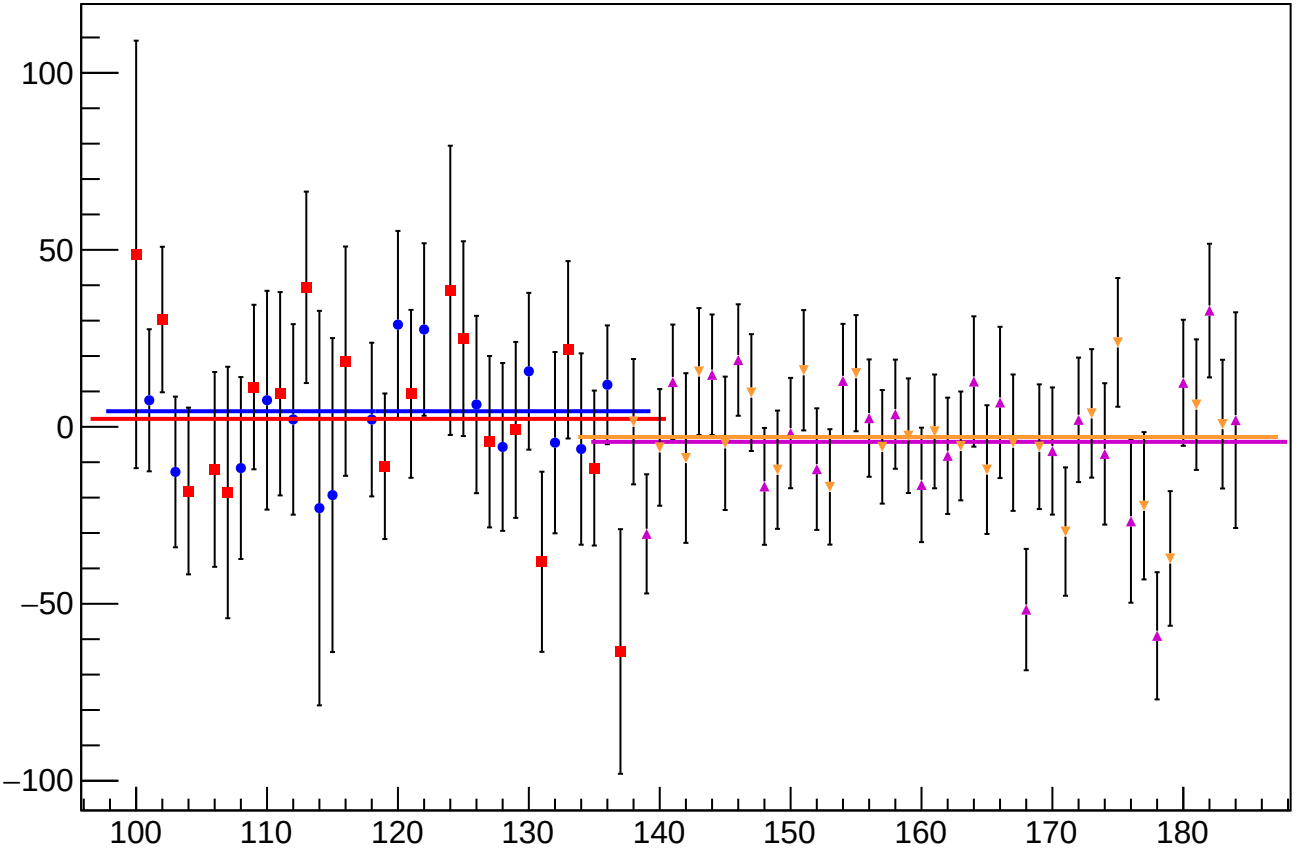
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.779+/-0.003 χ^2/NDF:40303.5/38

Out: 21.797+/-0.003 χ^2/NDF:35786.3/42

All: 21.788+/-0.002 χ^2/NDF: 76108.6/81

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -2.874+/-3.590 χ^2/NDF:14.5/23

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.548+/-2.563 χ^2/NDF: 48.4/46

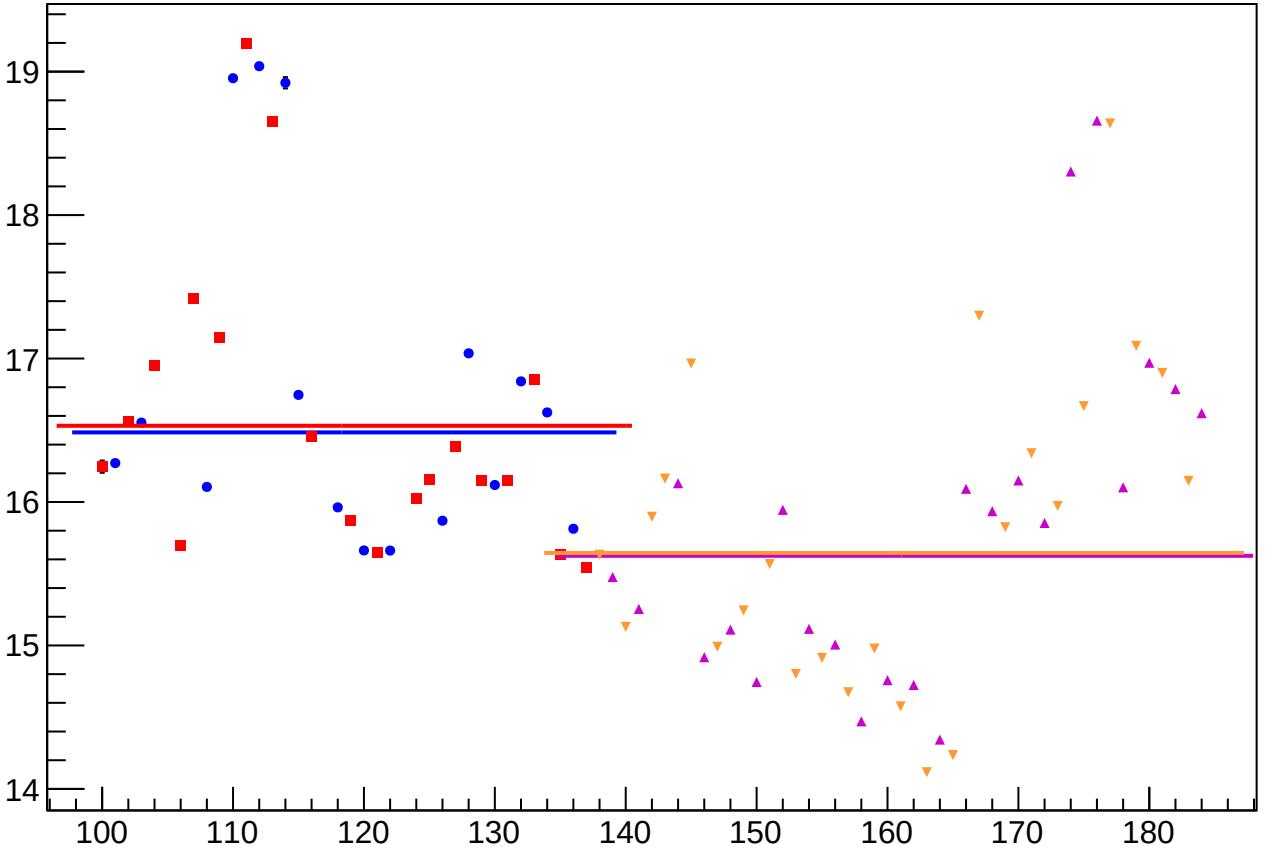
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: -1.978+/-3.144 χ^2/NDF:39.6/38

Out: -1.539+/-3.086 χ^2/NDF:30.4/42

All: -1.755+/-2.202 χ^2/NDF: 70.0/81

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: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.635+/-0.002 χ^2/NDF: 317698.0/46

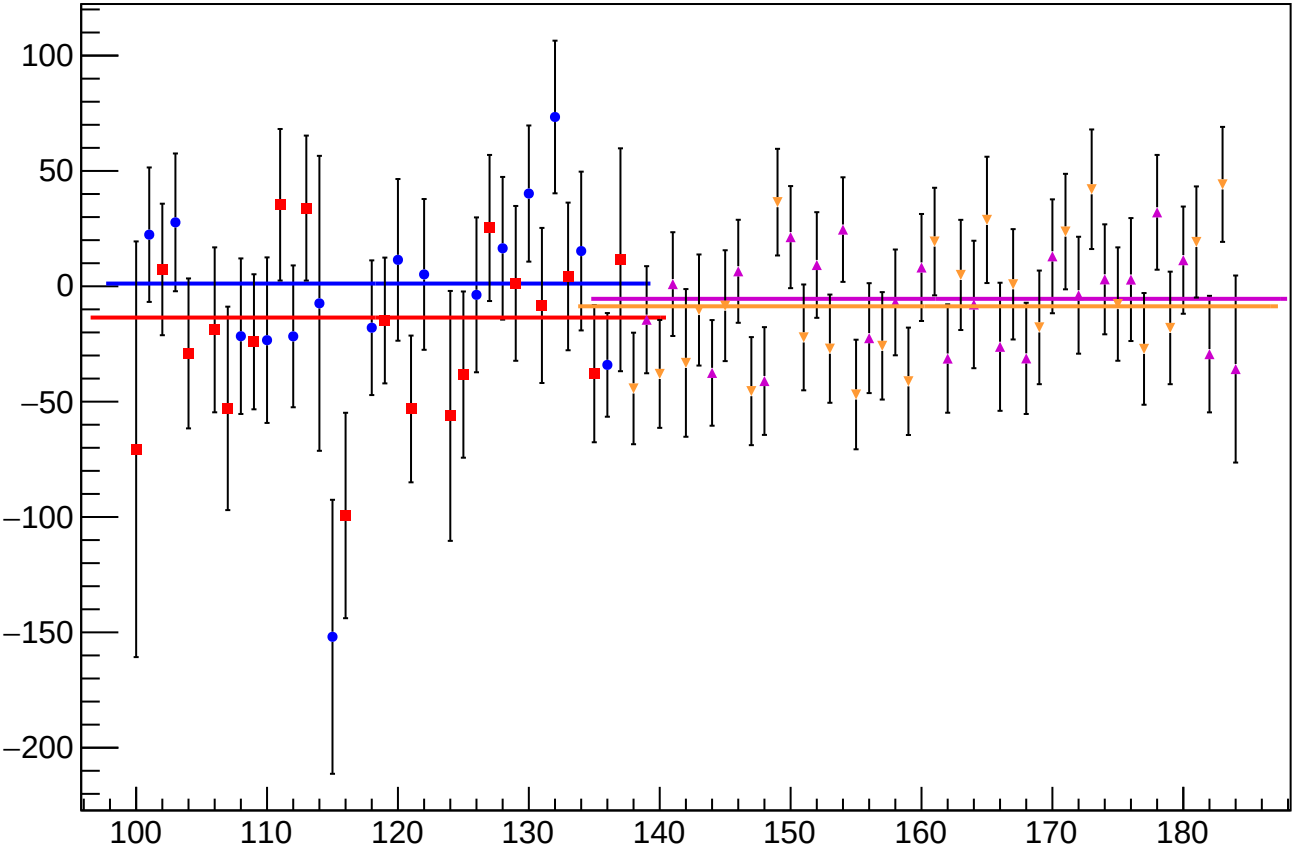
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.851+/-0.002 χ^2/NDF:226590.4/38

Out: 15.876+/-0.002 χ^2/NDF:245518.2/42

All: 15.864+/-0.002 χ^2/NDF: 472175.3/81

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: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -7.083+/-3.540 χ^2/NDF: 50.1/46

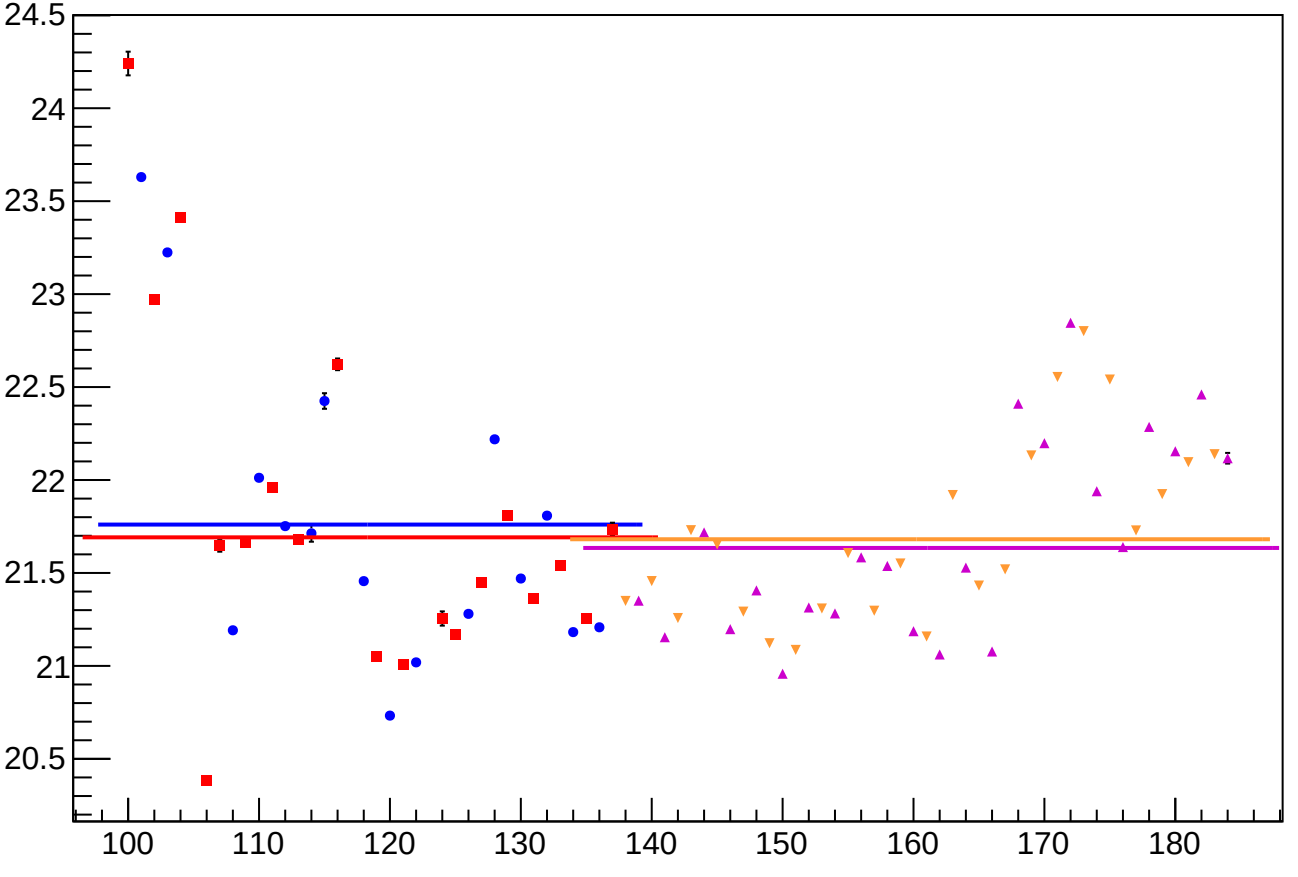
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -3.576+/-4.286 χ^2/NDF:37.1/38

Out: -10.047+/-4.203 χ^2/NDF:48.9/42

All: -6.874+/-3.001 χ^2/NDF: 87.2/81

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: 21.635+/-0.004 χ^2/NDF:20561.5/22

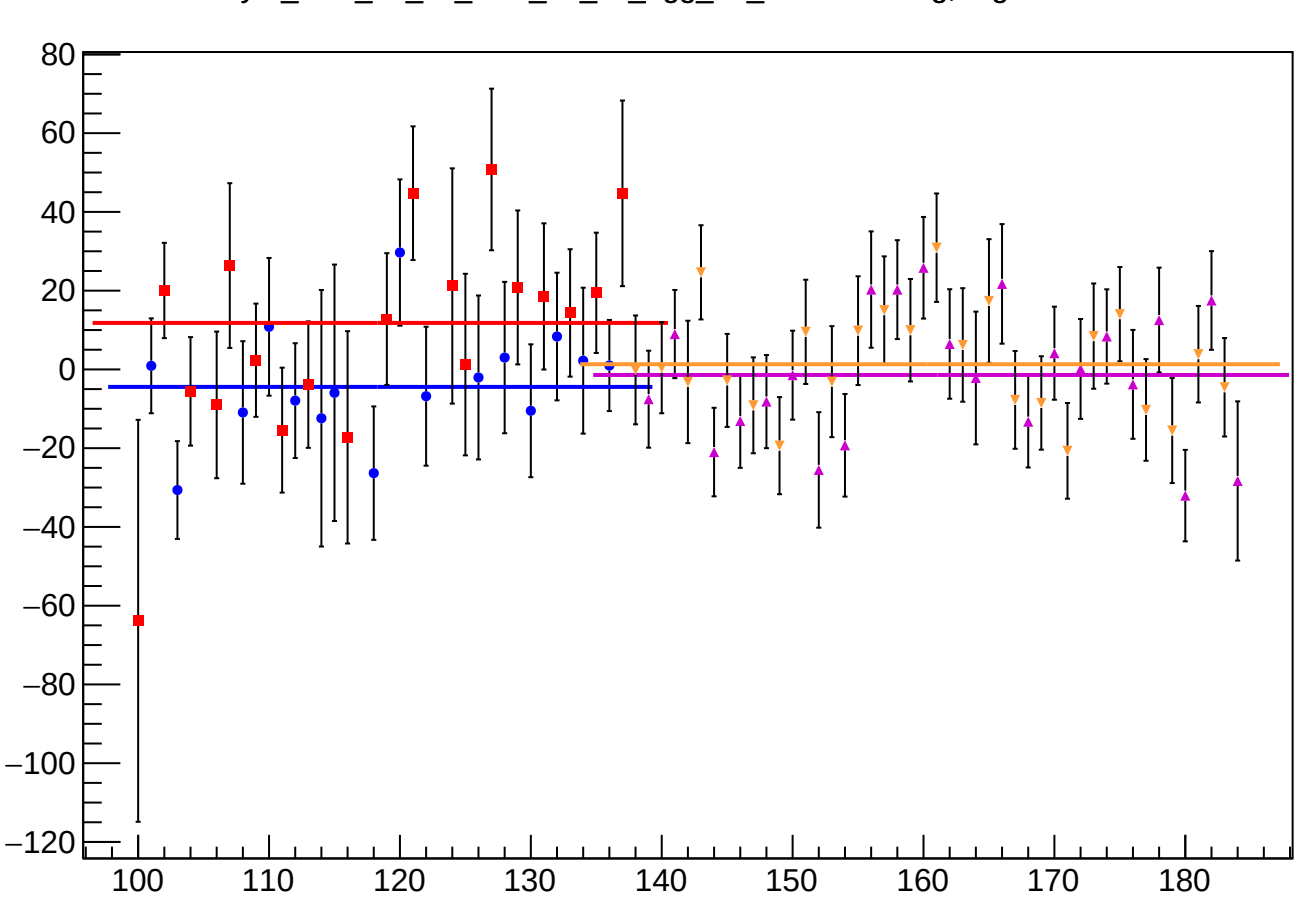
Left: 21.658+/-0.003 χ^2/NDF: 37989.7/46

Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

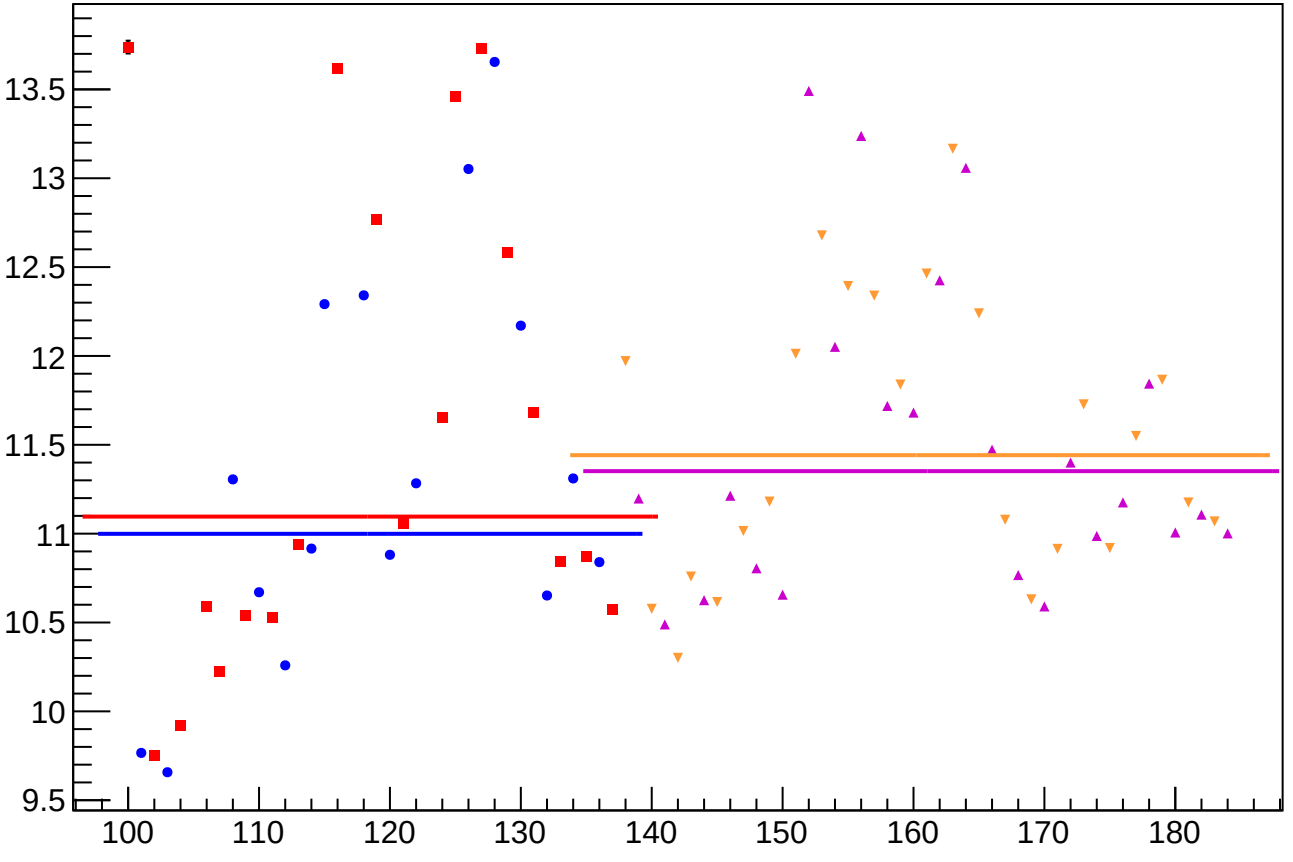
In: 21.670+/-0.003 χ^2/NDF:40654.9/38

Out: 21.684+/-0.003 χ^2/NDF:35674.0/42

All: 21.677+/-0.002 χ^2/NDF: 76340.3/81


asym_bcm_an_us_bcm_an_ds_agg_dd_mean 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: -4.440+/-4.131 χ²/NDF: 12.0/15
Left Out: 1.316+/-2.641 χ²/NDF:24.2/23
Right Out: 11.807+/-4.097 χ²/NDF: 21.7/18
Left In: -1.407+/-2.674 χ²/NDF:36.3/22
Left: -0.029+/-1.879 χ²/NDF: 61.1/46
Right: 3.749+/-2.909 χ²/NDF: 41.5/34
In: -2.302+/-2.245 χ²/NDF:48.7/38
Out: 4.396+/-2.220 χ²/NDF:50.6/42
All: 1.084+/-1.578 χ²/NDF: 103.8/81

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.442+/-0.002 χ^2/NDF:152875.4/23

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

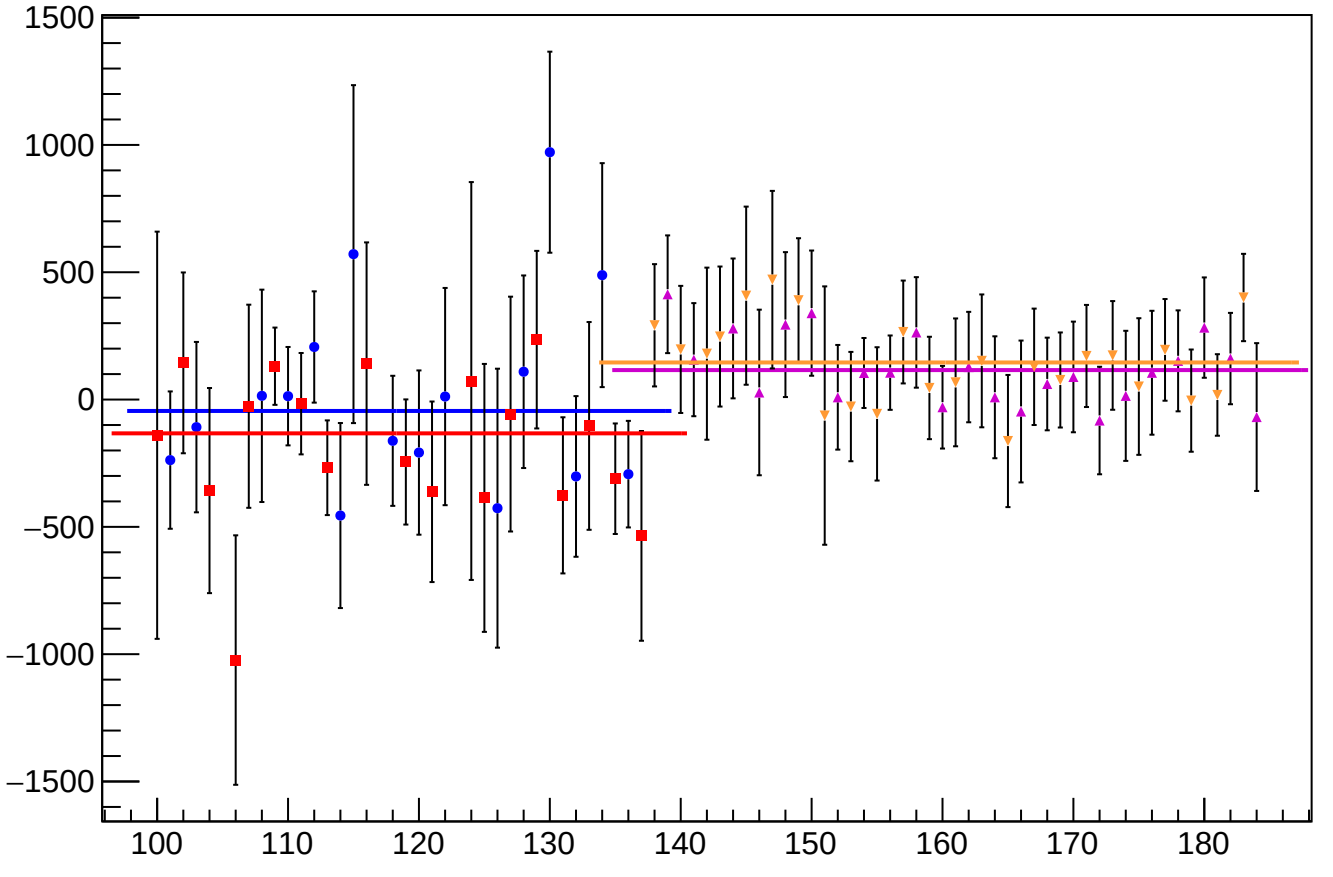
Left: 11.397+/-0.001 χ^2/NDF: 324584.6/46

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.248+/-0.002 χ^2/NDF:316996.7/38

Out: 11.340+/-0.002 χ^2/NDF:325842.6/42

All: 11.294+/-0.001 χ^2/NDF: 644560.1/81



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: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 129.609+/-31.944 χ^2/NDF: 18.3/46

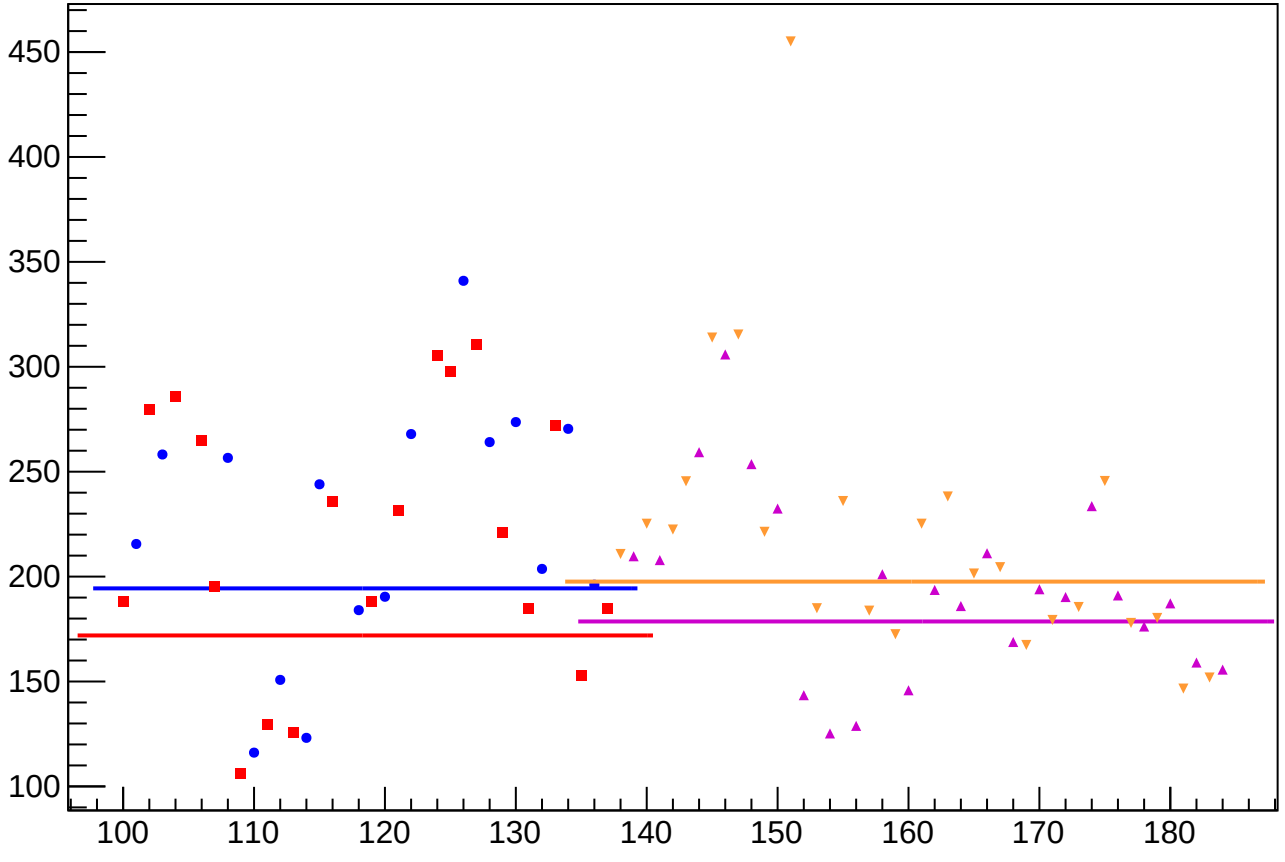
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 76.241+/-37.897 χ^2/NDF:26.6/38

Out: 56.432+/-38.649 χ^2/NDF:34.4/42

All: 66.531+/-27.059 χ^2/NDF: 61.1/81

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: 178.614+/-0.031 χ^2/NDF:1678859.8/22

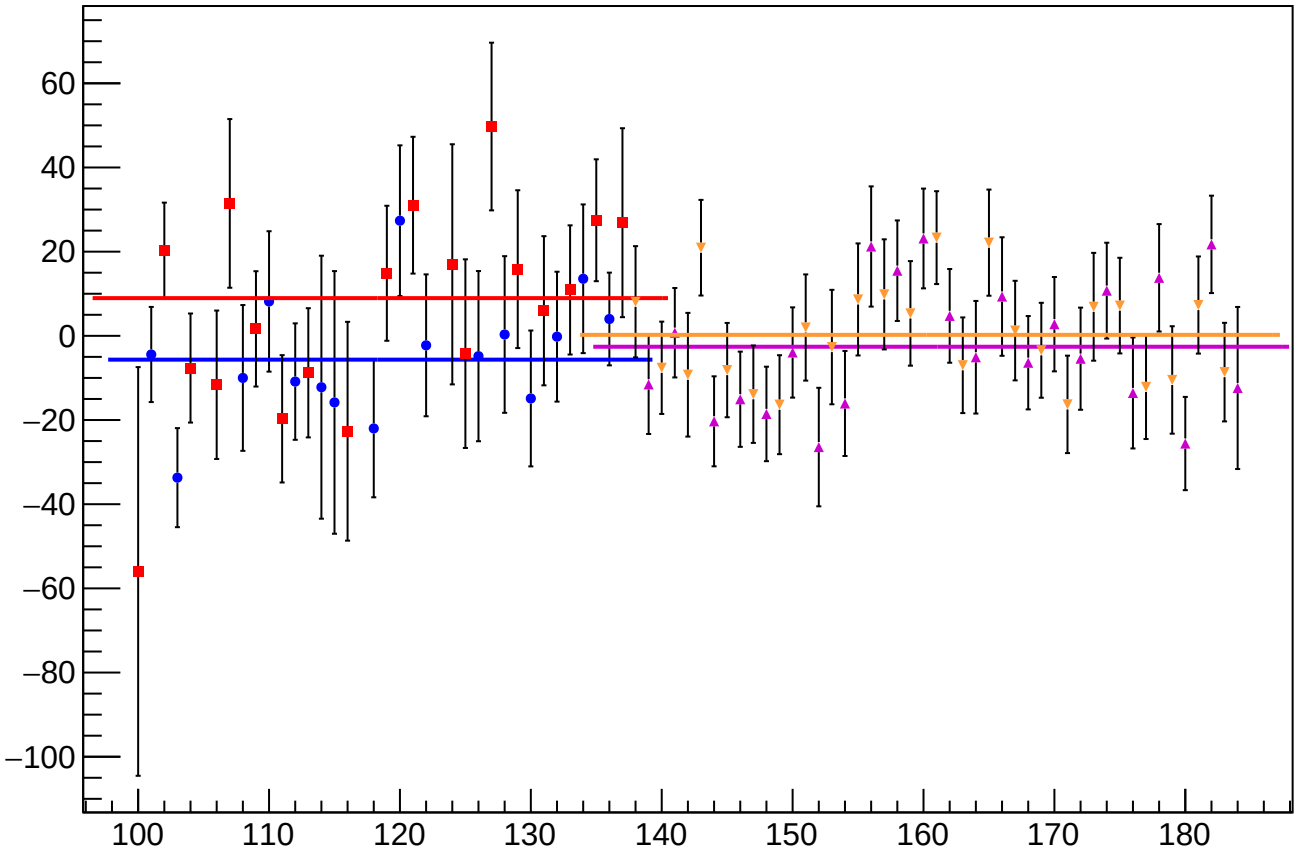
Left: 187.434+/-0.023 χ^2/NDF: 3623741.1/46

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.492+/-0.027 χ^2/NDF:2785113.6/38

Out: 189.389+/-0.027 χ^2/NDF:3612312.5/42

All: 185.873+/-0.019 χ^2/NDF: 6429893.9/81



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: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.154+/-1.757 χ^2/NDF: 58.5/46

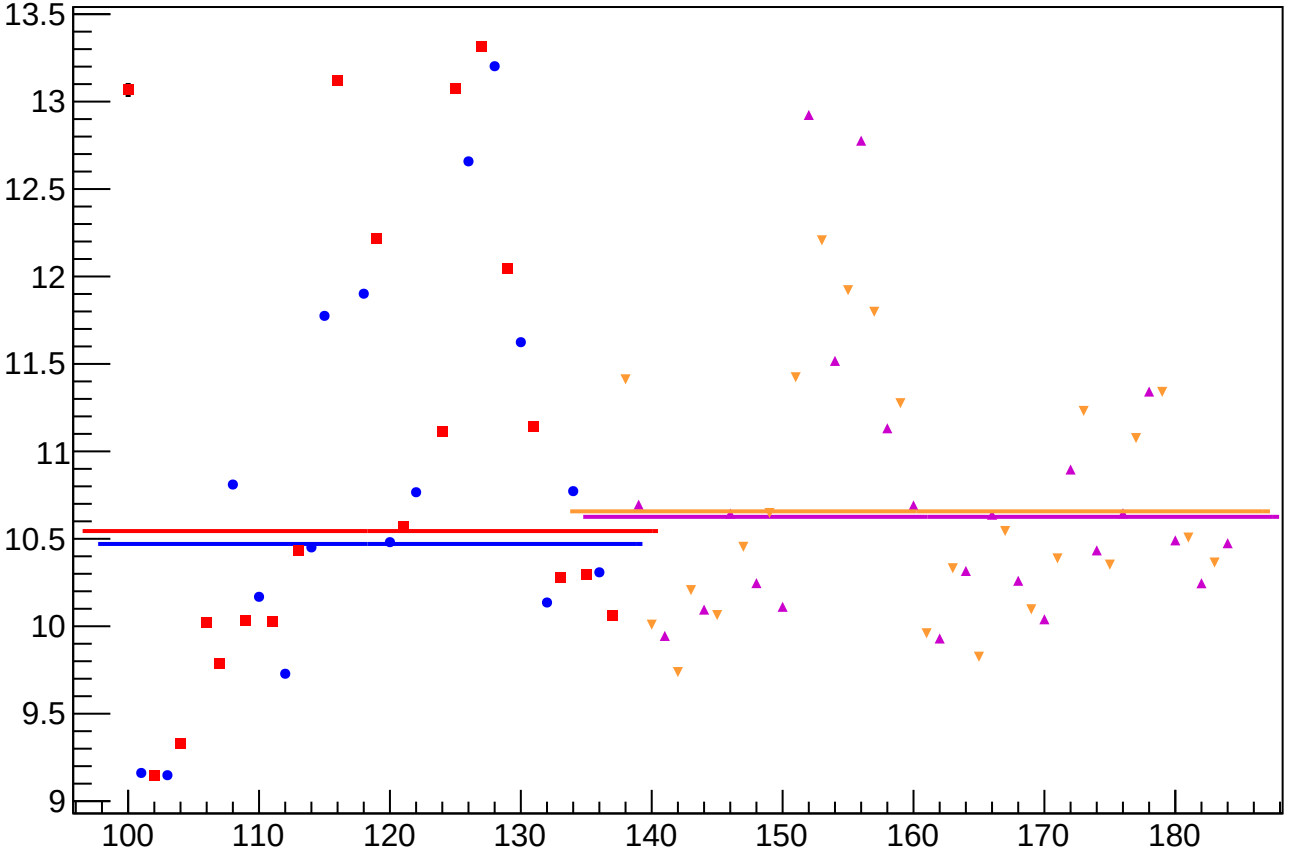
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.474+/-2.114 χ^2/NDF:48.9/38

Out: 2.723+/-2.083 χ^2/NDF:49.4/42

All: -0.330+/-1.484 χ^2/NDF: 102.7/81

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: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.642+/-0.001 χ^2/NDF: 301560.5/46

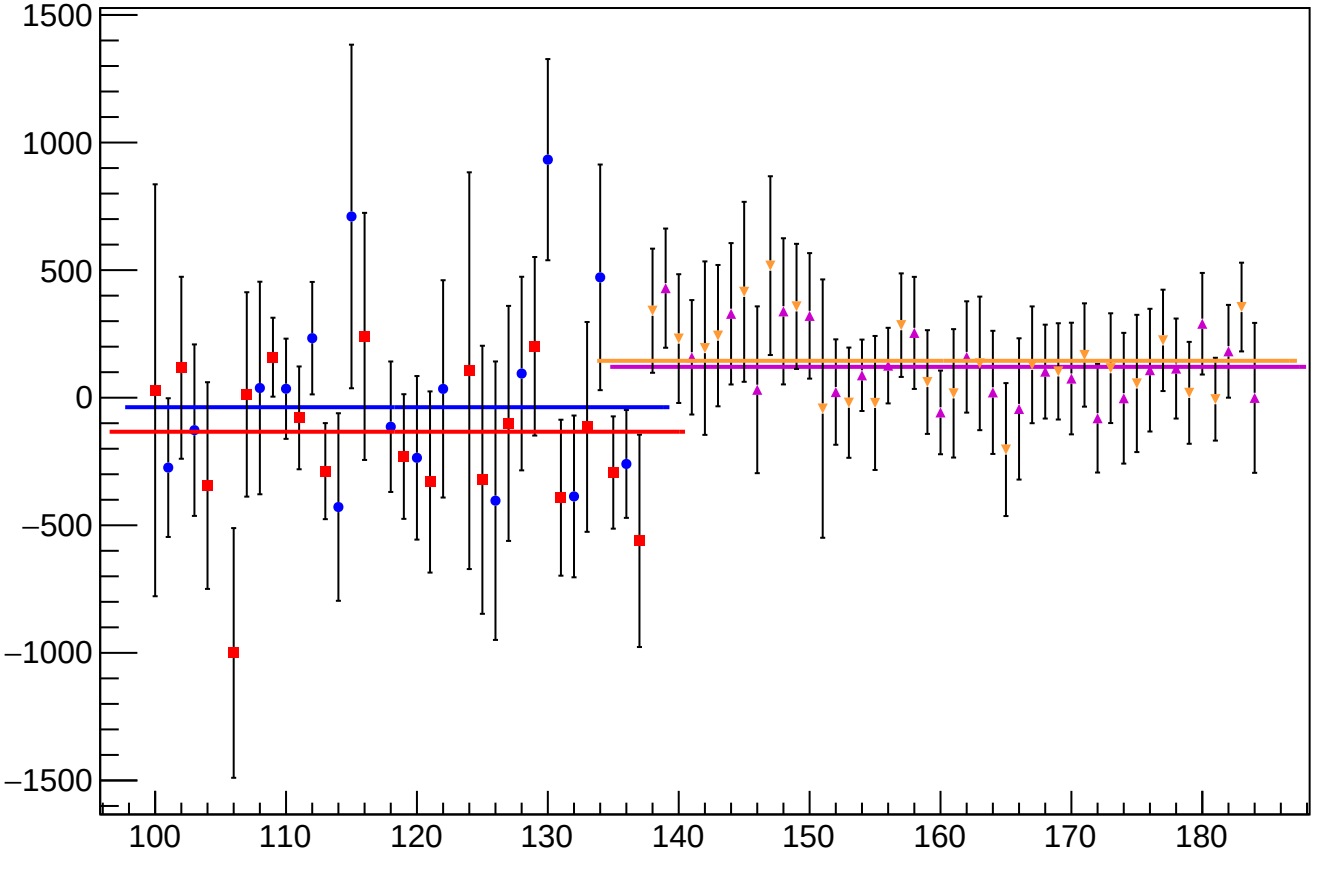
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.581+/-0.001 χ^2/NDF:319115.3/38

Out: 10.625+/-0.001 χ^2/NDF:329831.5/42

All: 10.603+/-0.001 χ^2/NDF: 649385.1/81

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: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 131.919+/-32.179 χ^2/NDF: 18.6/46

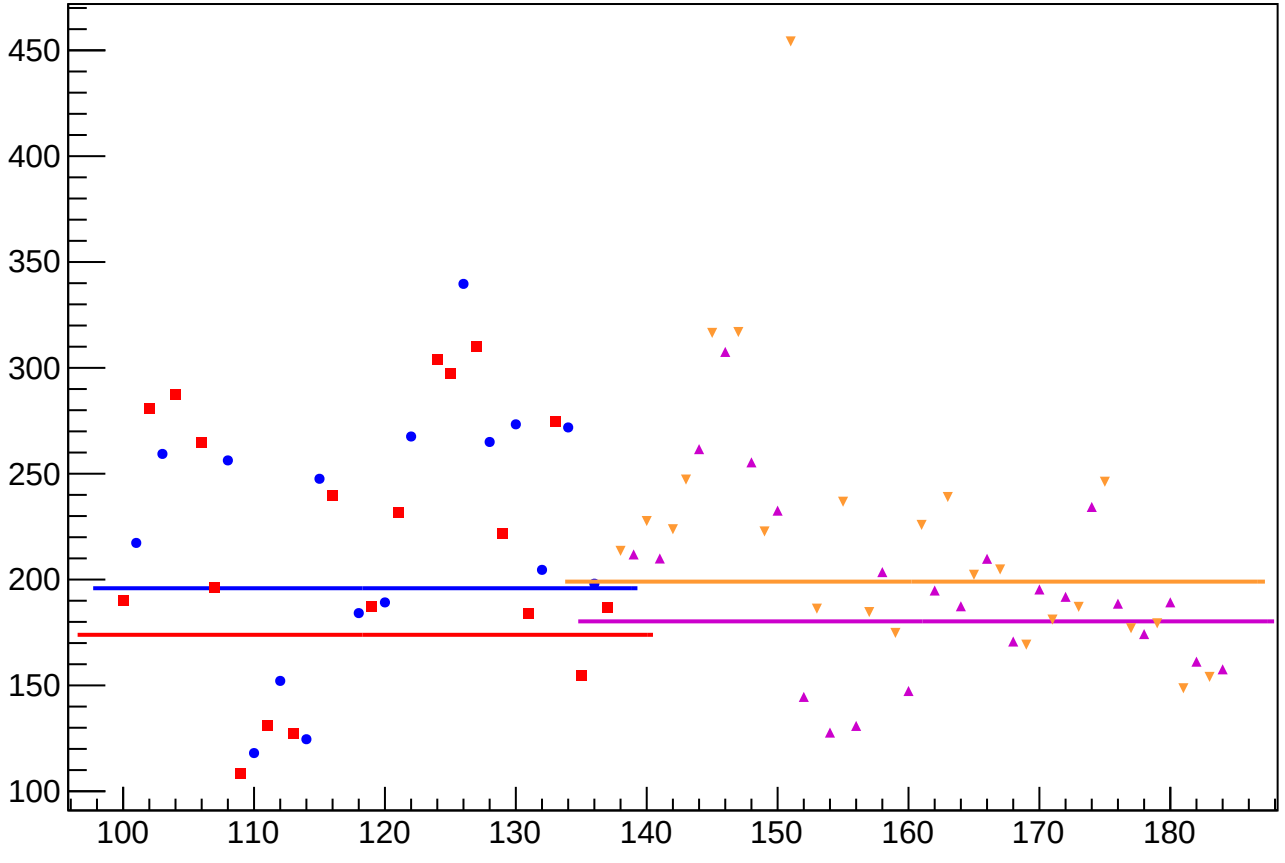
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 81.907+/-38.189 χ^2/NDF:27.1/38

Out: 55.818+/-38.931 χ^2/NDF:34.2/42

All: 69.113+/-27.262 χ^2/NDF: 61.5/81

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: 180.248+/-0.031 χ^2/NDF:1627777.0/22

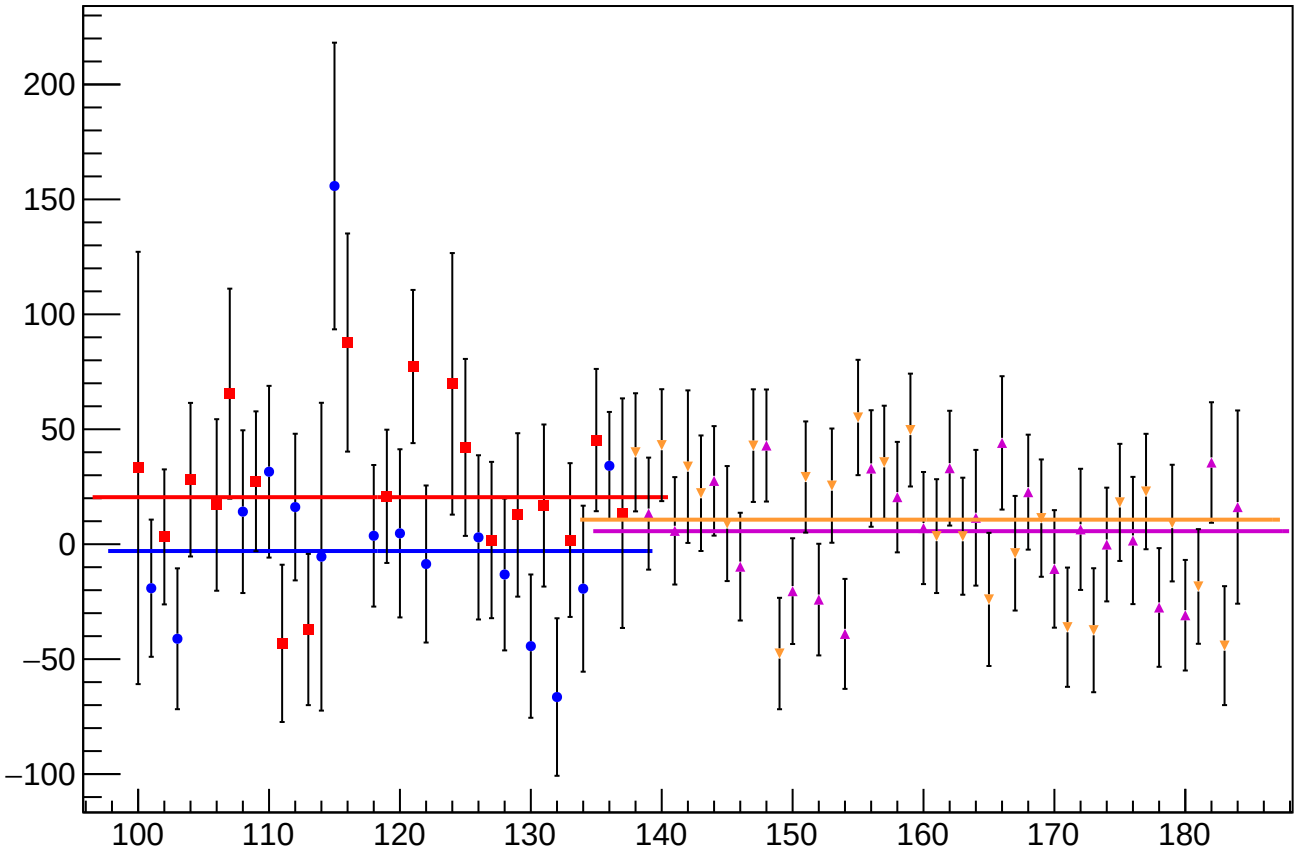
Left: 188.980+/-0.023 χ^2/NDF: 3538267.7/46

Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

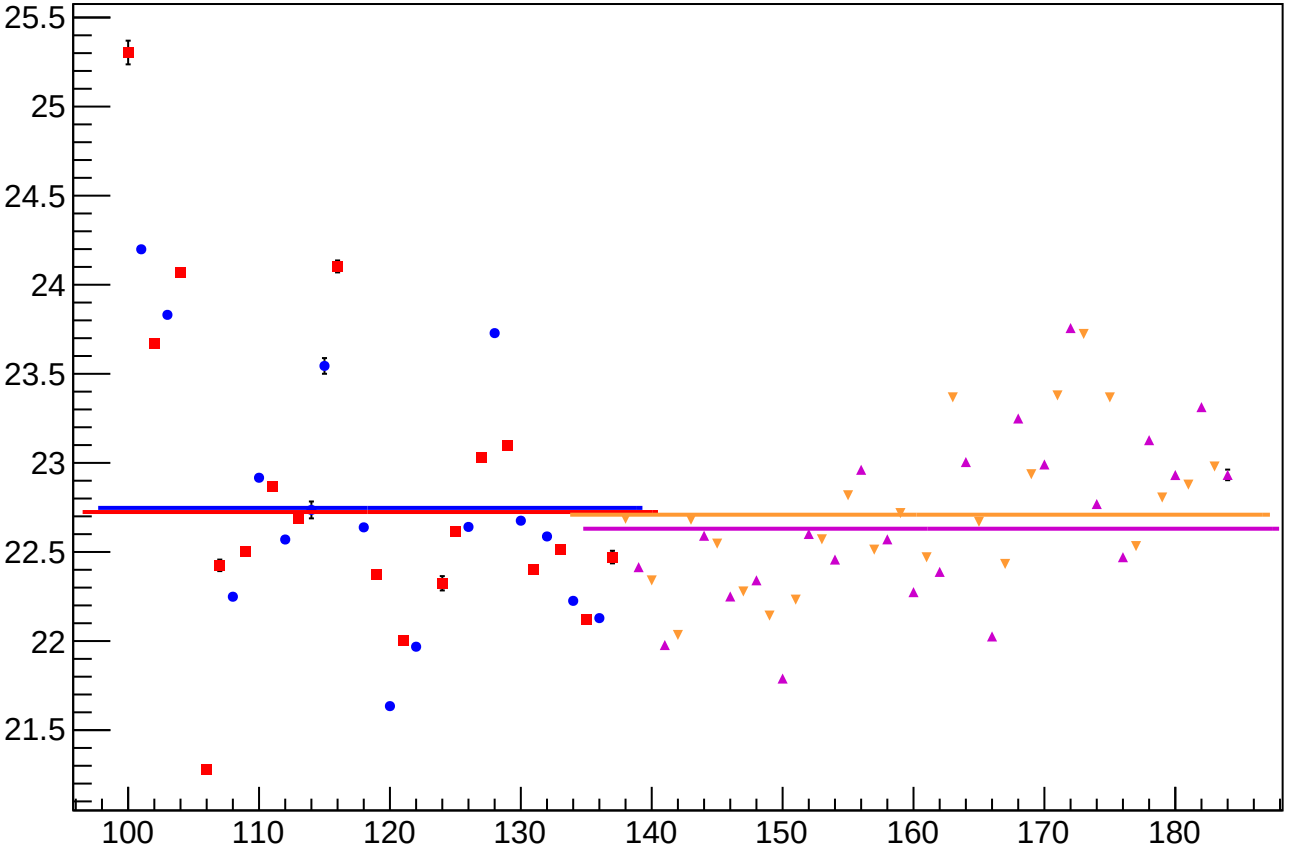
In: 184.106+/-0.027 χ^2/NDF:2701192.5/38

Out: 191.002+/-0.028 χ^2/NDF:3521739.8/42

All: 187.488+/-0.019 χ^2/NDF: 6254912.9/81


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: -2.967+/-8.454 χ²/NDF: 17.9/15
Left Out: 10.677+/-5.196 χ²/NDF:33.4/23
Right Out: 20.457+/-8.292 χ²/NDF: 15.3/18
Left In: 5.668+/-5.286 χ²/NDF:20.8/22
Left: 8.215+/-3.706 χ²/NDF: 54.7/46
Right: 8.972+/-5.920 χ²/NDF: 37.1/34
In: 3.240+/-4.482 χ²/NDF:39.5/38
Out: 13.434+/-4.403 χ²/NDF:49.7/42
All: 8.428+/-3.141 χ²/NDF: 91.8/81

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.709+/-0.004 χ^2/NDF:11958.8/23

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

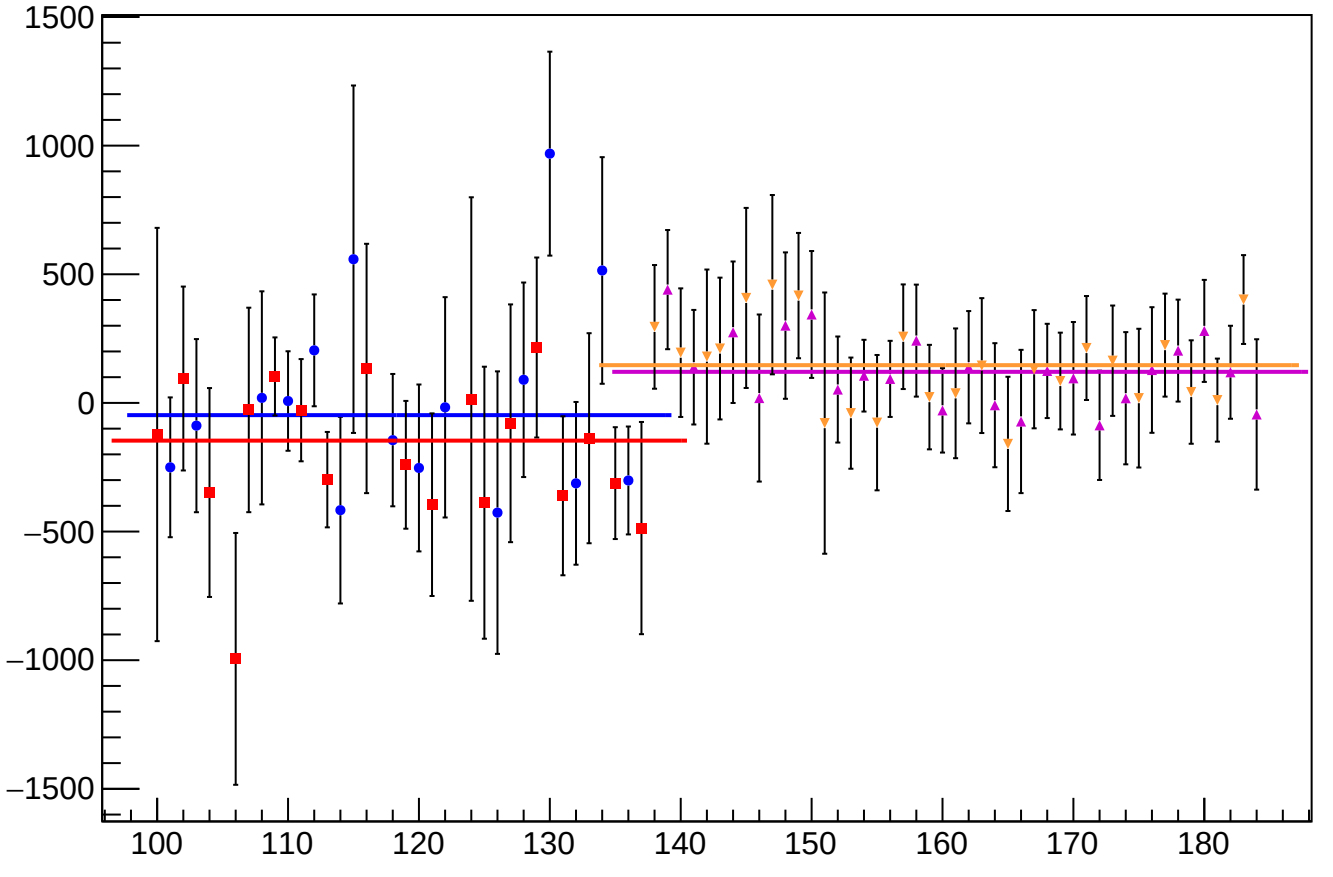
Left: 22.671+/-0.003 χ^2/NDF: 27575.6/46

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.663+/-0.003 χ^2/NDF:30289.3/38

Out: 22.713+/-0.003 χ^2/NDF:26454.1/42

All: 22.689+/-0.002 χ^2/NDF: 56870.4/81



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: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 132.819+/-32.126 χ^2/NDF: 18.8/46

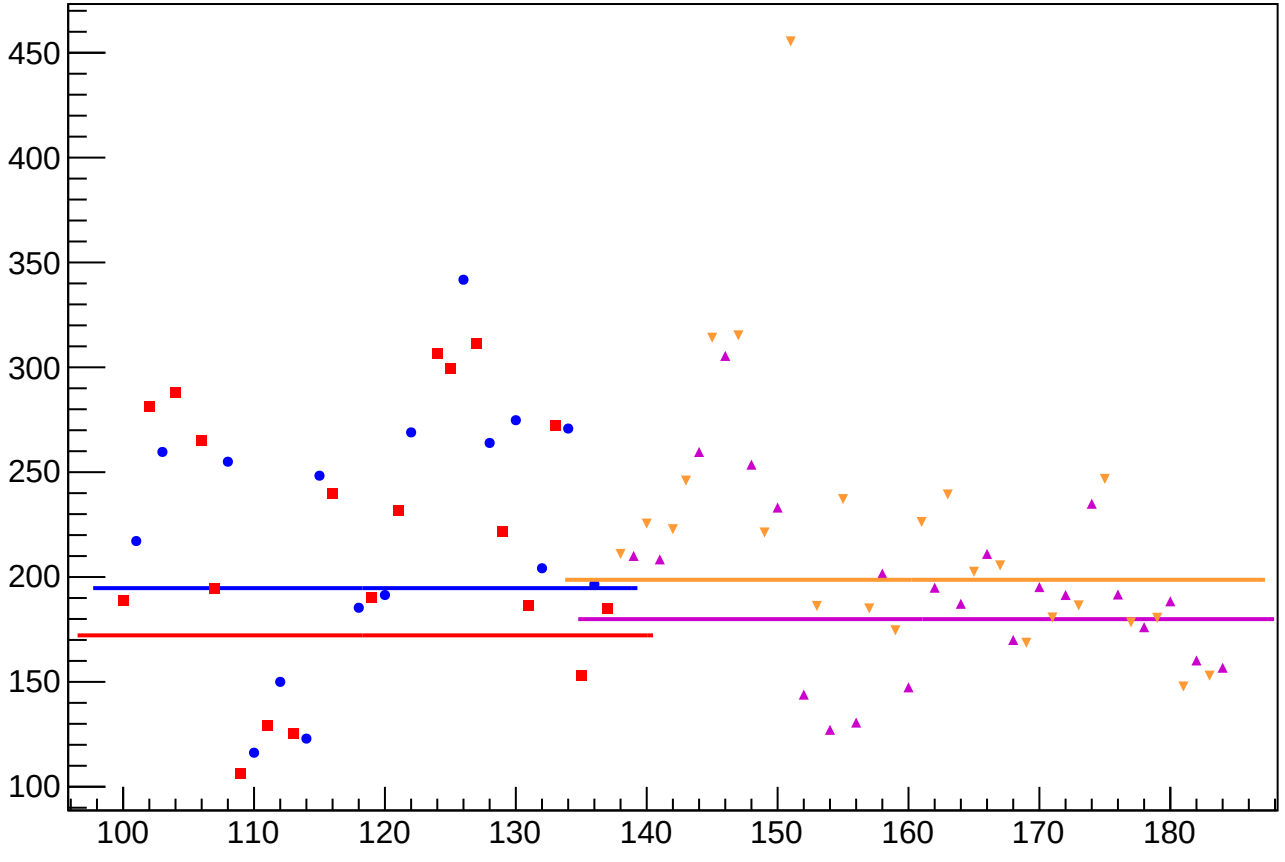
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 79.101+/-38.098 χ^2/NDF:26.9/38

Out: 52.323+/-38.800 χ^2/NDF:34.8/42

All: 65.956+/-27.184 χ^2/NDF: 61.9/81

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: 179.923+/-0.031 χ^2/NDF:1624144.3/22

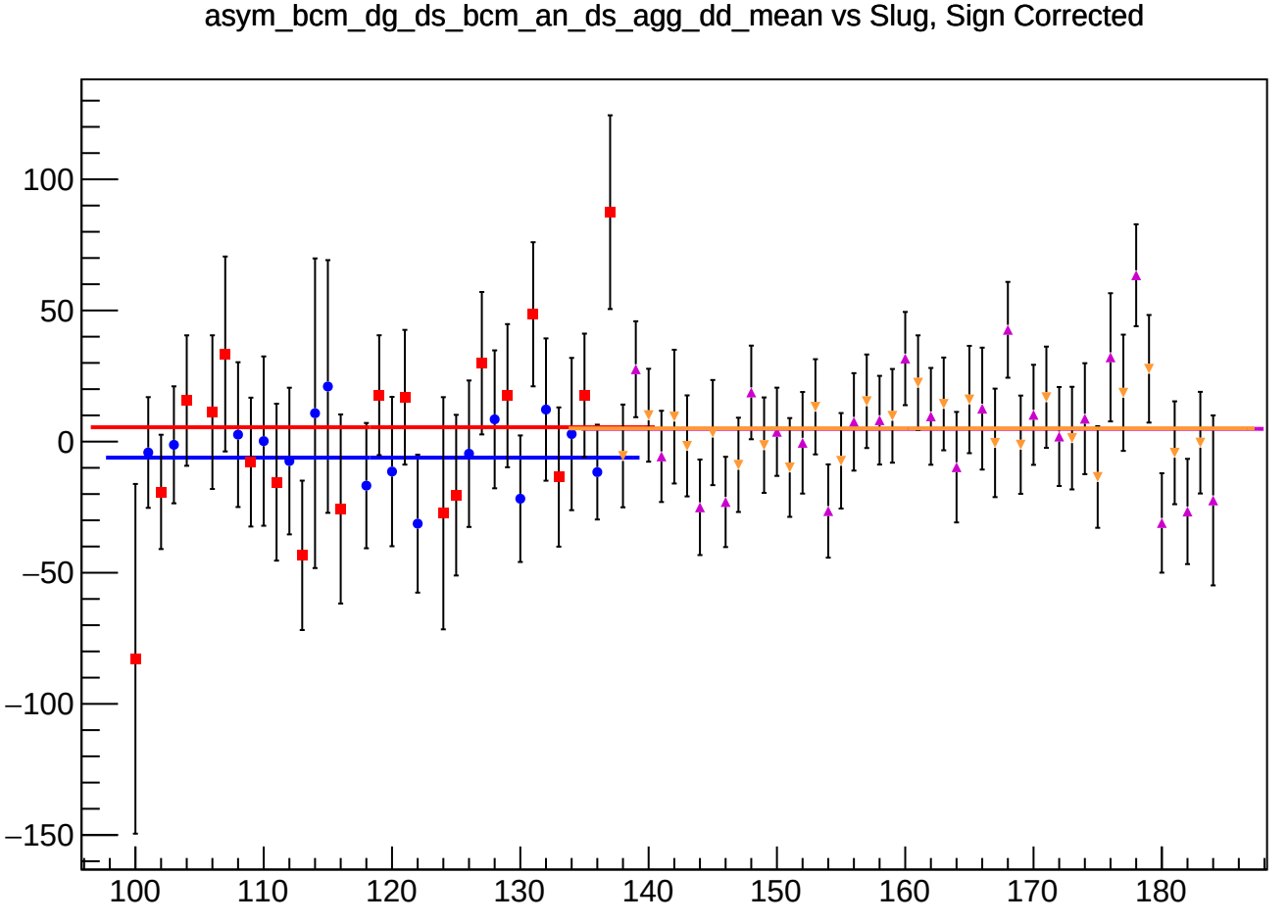
Left: 188.649+/-0.023 χ^2/NDF: 3534630.7/46

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 183.583+/-0.027 χ^2/NDF:2732536.7/38

Out: 190.161+/-0.027 χ^2/NDF:3615446.2/42

All: 186.812+/-0.019 χ^2/NDF: 6377243.9/81



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: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.944+/-2.791 χ^2/NDF: 43.4/46

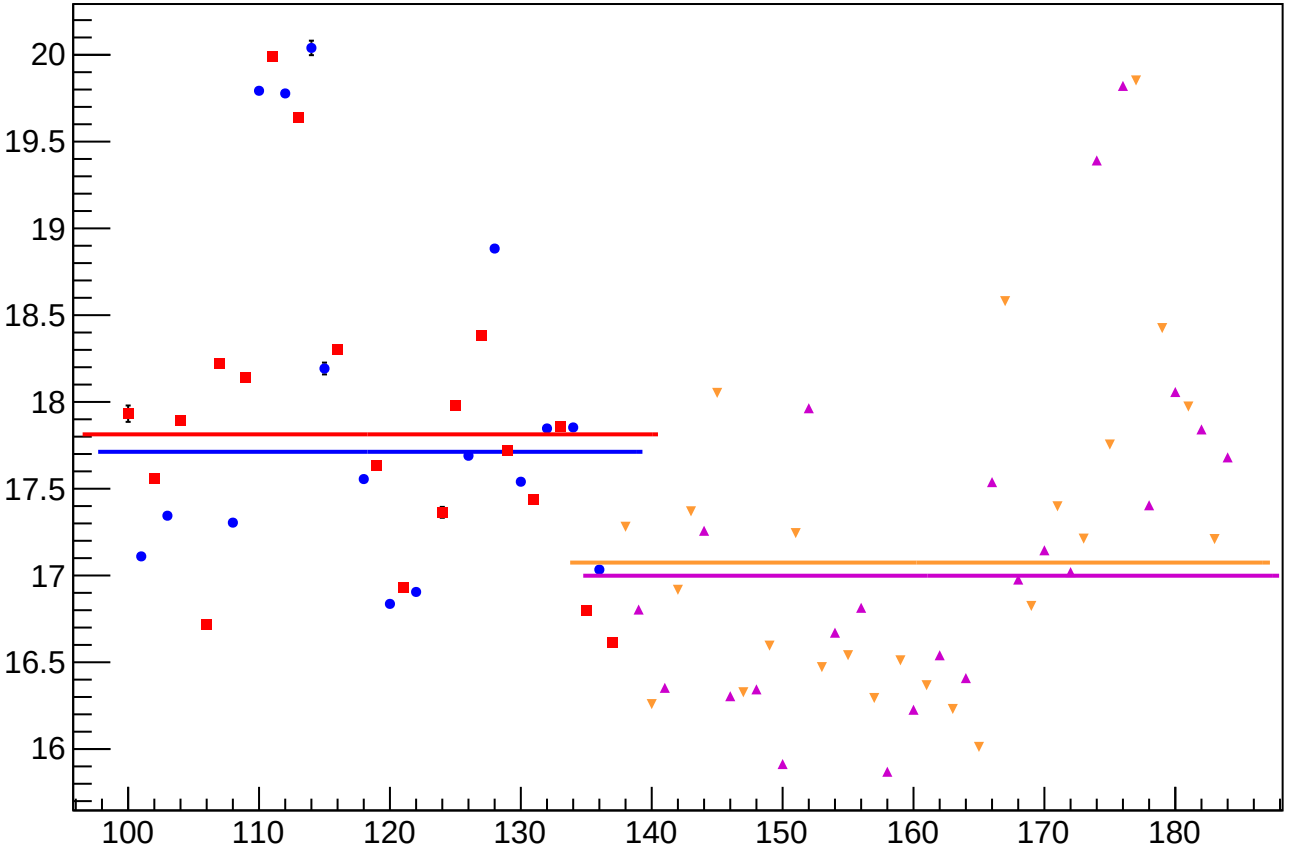
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: 1.926+/-3.407 χ^2/NDF:40.7/38

Out: 5.144+/-3.355 χ^2/NDF:27.1/42

All: 3.560+/-2.390 χ^2/NDF: 68.2/81

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: 16.999+/-0.003 χ^2/NDF:104021.0/22

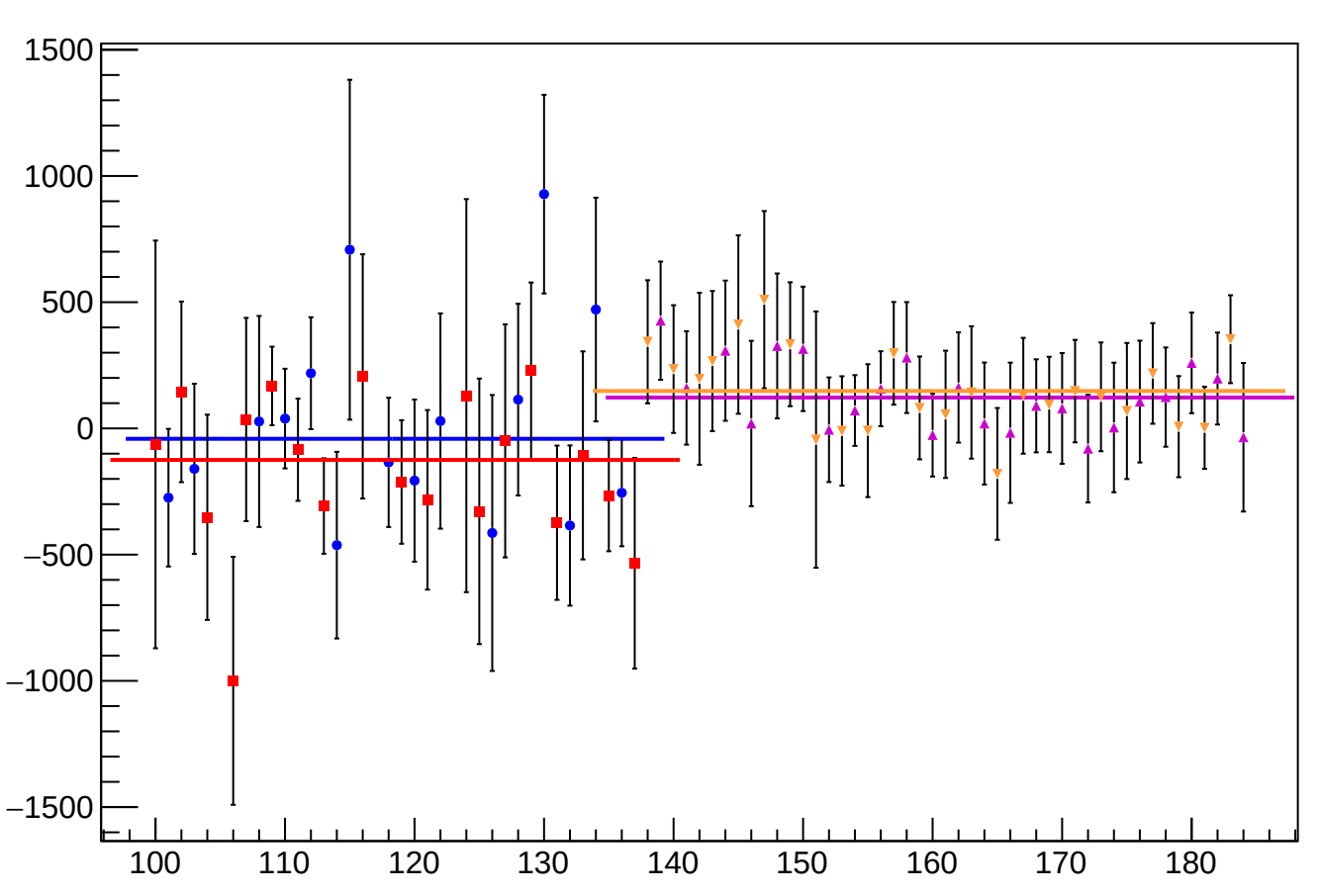
Left: 17.037+/-0.002 χ^2/NDF: 200411.9/46

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.189+/-0.002 χ^2/NDF:157194.4/38

Out: 17.271+/-0.002 χ^2/NDF:147661.3/42

All: 17.231+/-0.002 χ^2/NDF: 305432.9/81



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: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.382+/-32.246 χ^2/NDF: 17.6/46

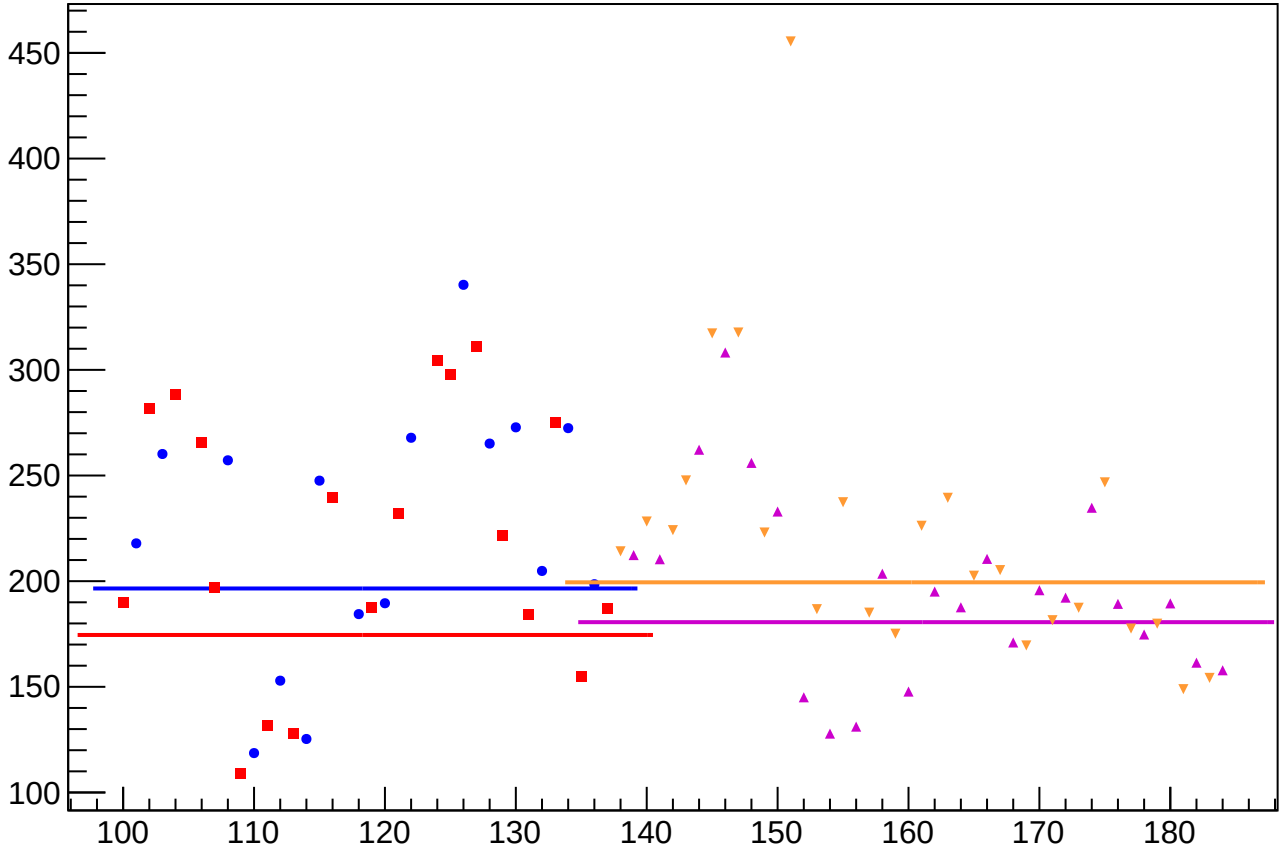
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 82.130+/-38.273 χ^2/NDF:26.9/38

Out: 61.107+/-39.029 χ^2/NDF:33.0/42

All: 71.824+/-27.326 χ^2/NDF: 60.1/81

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: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 189.367+/-0.023 χ^2/NDF: 3540465.3/46

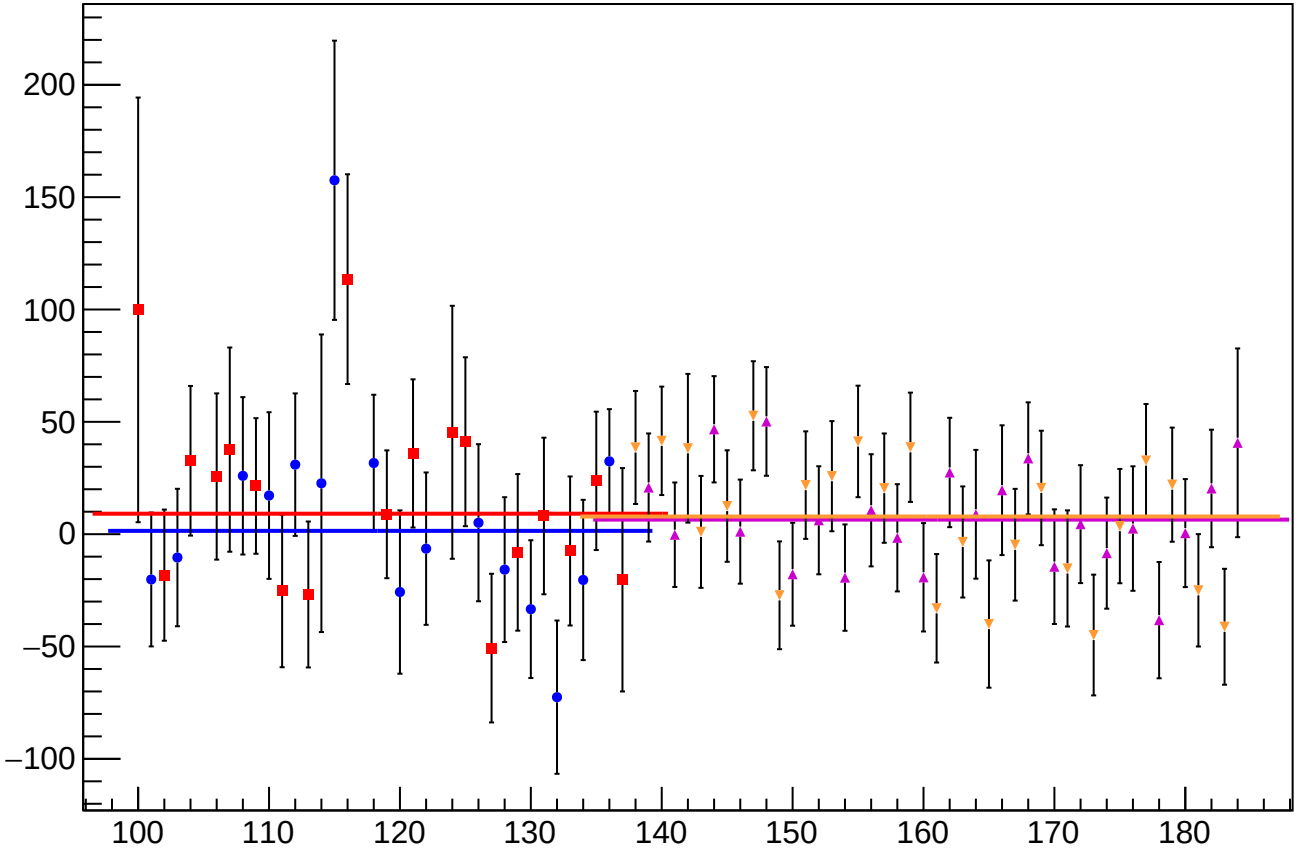
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 184.525+/-0.027 χ^2/NDF:2693226.3/38

Out: 191.509+/-0.028 χ^2/NDF:3508071.6/42

All: 187.949+/-0.019 χ^2/NDF: 6233940.6/81

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: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 7.182+/-3.675 χ^2/NDF: 49.7/46

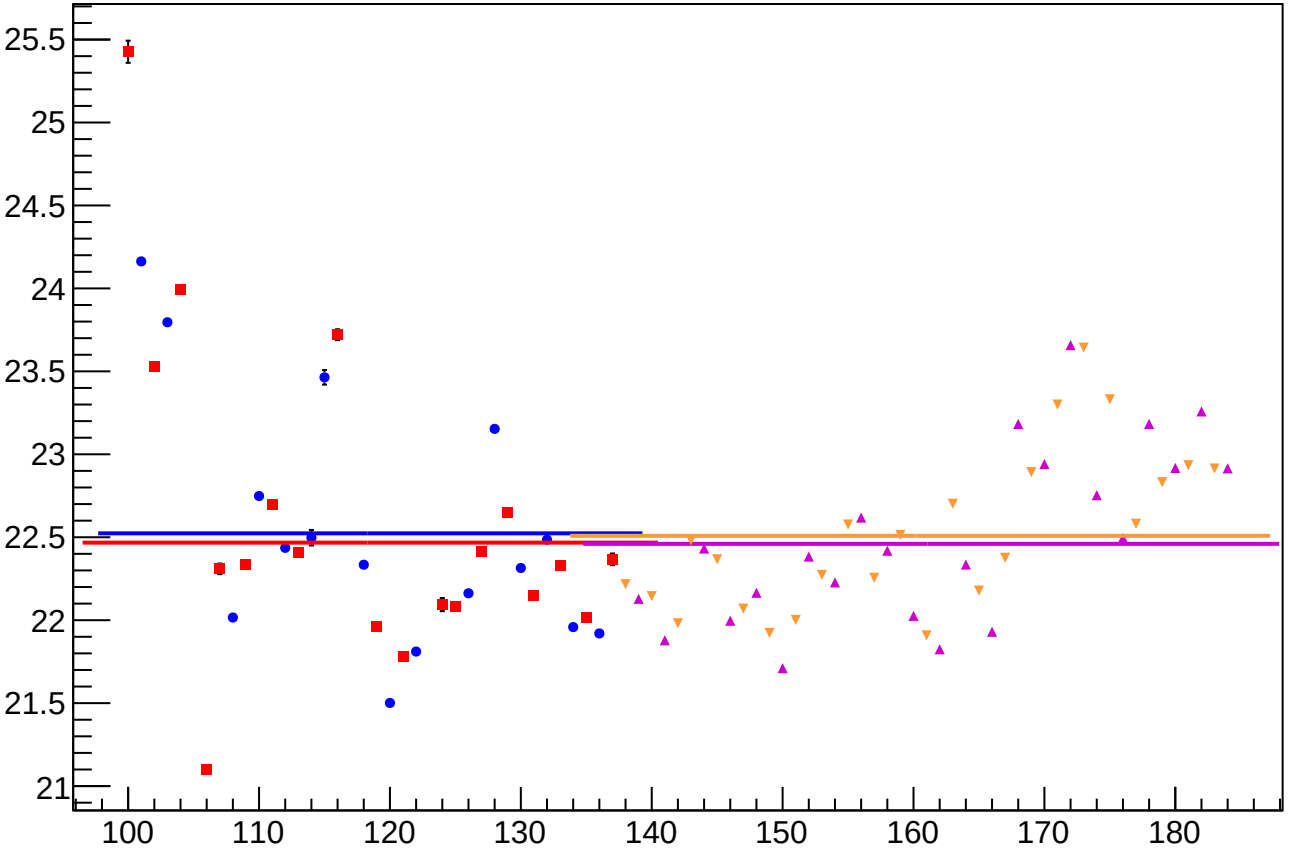
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 5.070+/-4.445 χ^2/NDF:36.4/38

Out: 8.212+/-4.361 χ^2/NDF:48.7/42

All: 6.671+/-3.113 χ^2/NDF: 85.4/81

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: 22.460+/-0.004 χ^2/NDF:19117.2/22

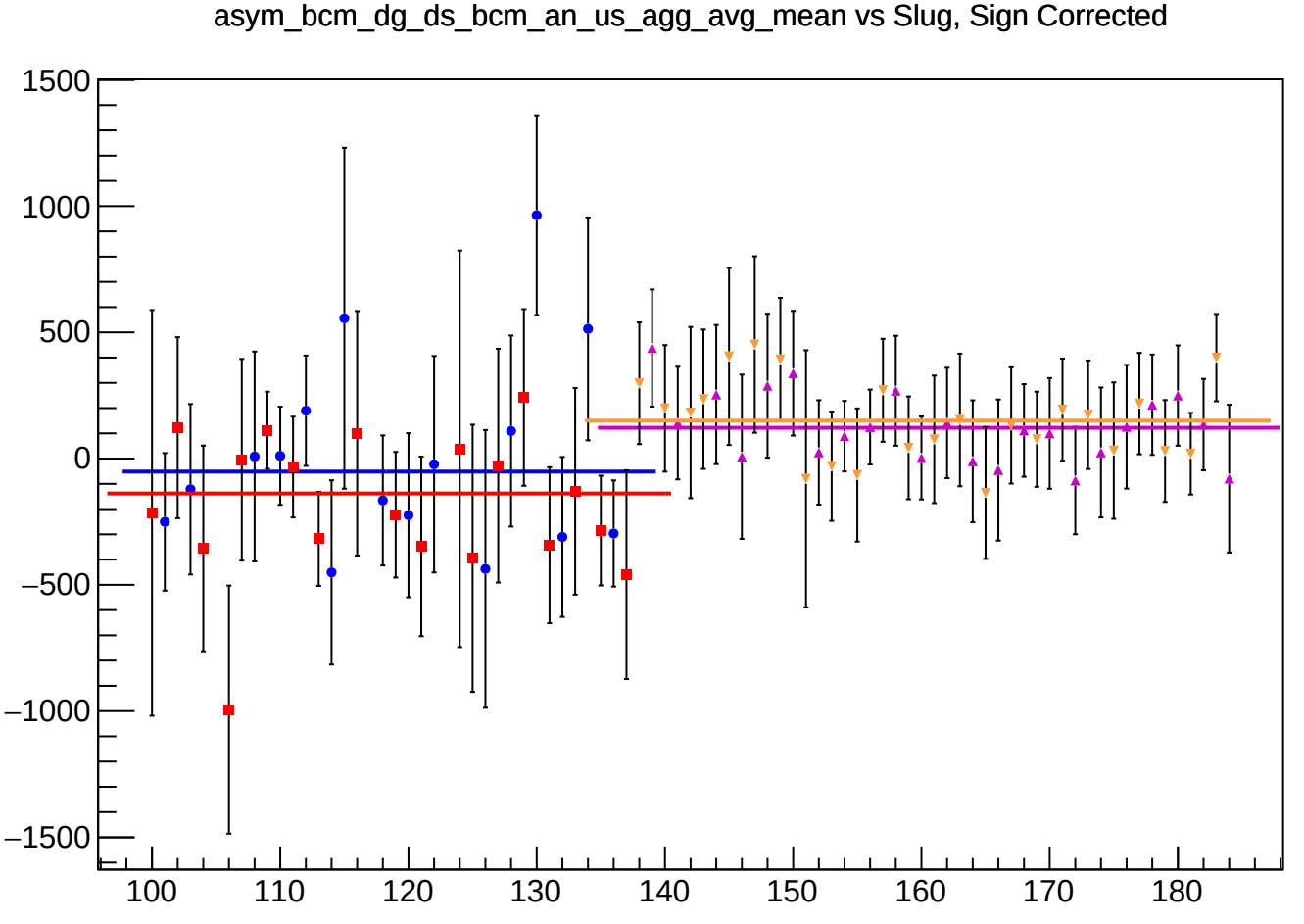
Left: 22.485+/-0.003 χ^2/NDF: 34743.6/46

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.478+/-0.003 χ^2/NDF:35147.2/38

Out: 22.497+/-0.003 χ^2/NDF:31202.2/42

All: 22.488+/-0.002 χ^2/NDF: 66367.9/81



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: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 135.275+/-32.193 χ^2/NDF: 17.5/46

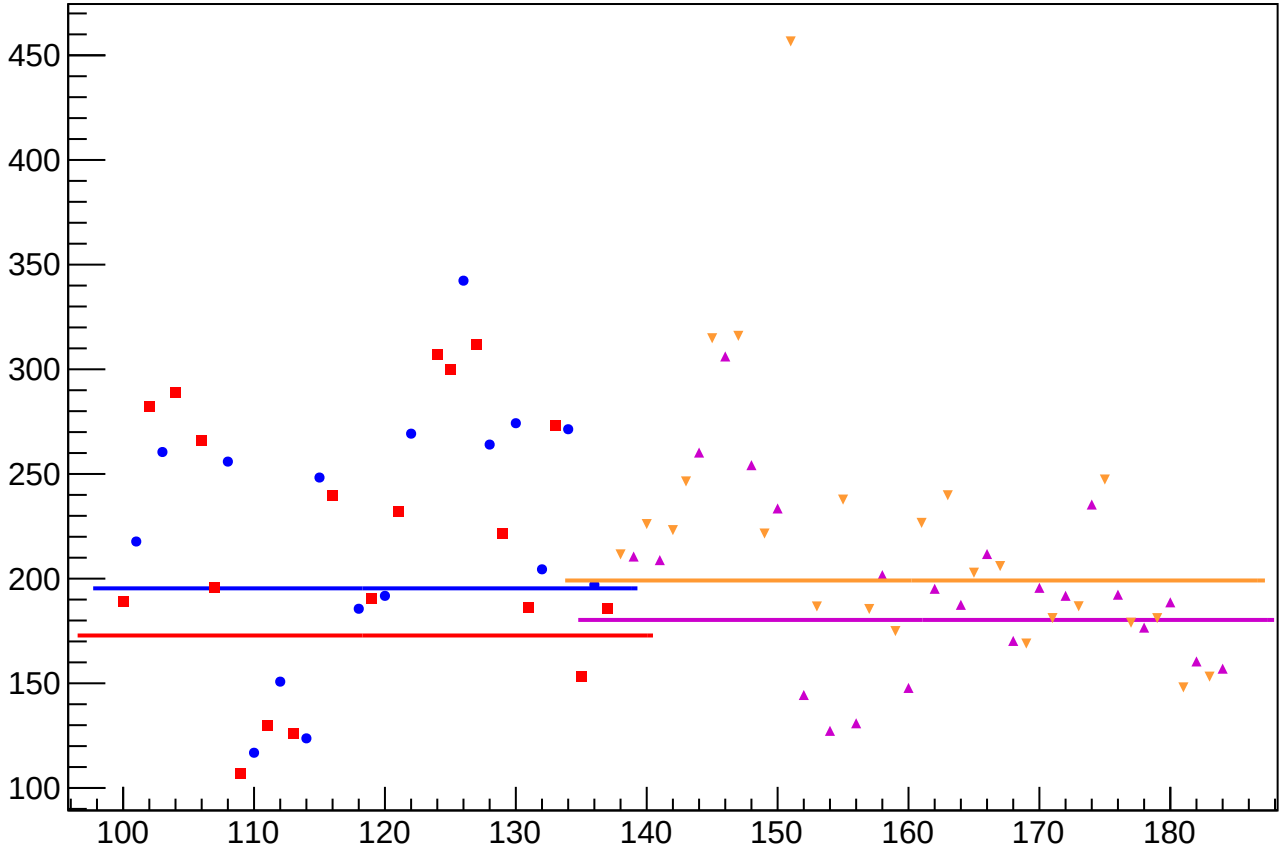
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 79.240+/-38.182 χ^2/NDF:26.7/38

Out: 57.655+/-38.899 χ^2/NDF:33.5/42

All: 68.648+/-27.249 χ^2/NDF: 60.3/81

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: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 189.033+/-0.023 χ^2/NDF: 3537161.6/46

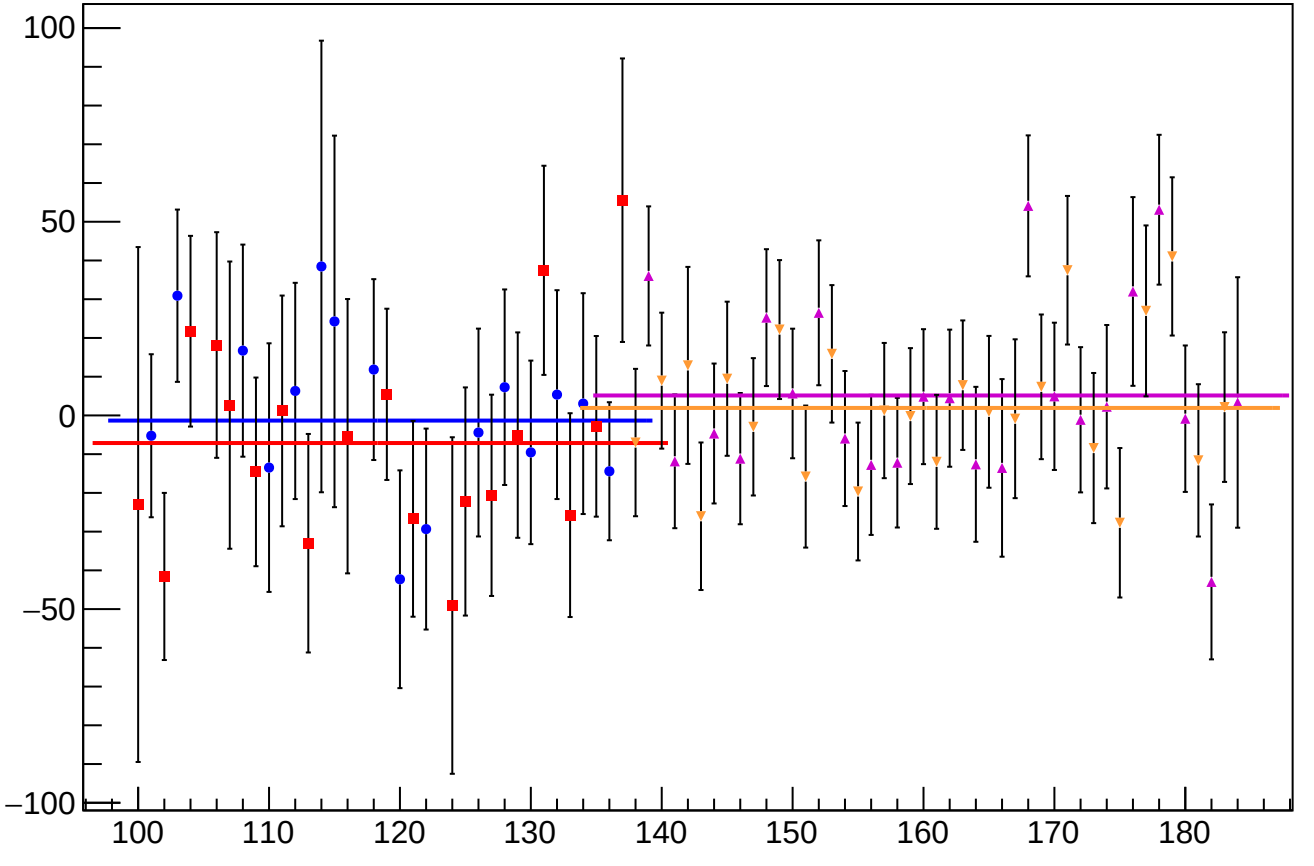
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 184.003+/-0.027 χ^2/NDF:2724218.6/38

Out: 190.673+/-0.028 χ^2/NDF:3600524.7/42

All: 187.276+/-0.019 χ^2/NDF: 6354691.3/81

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: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.510+/-2.748 χ^2/NDF: 52.3/46

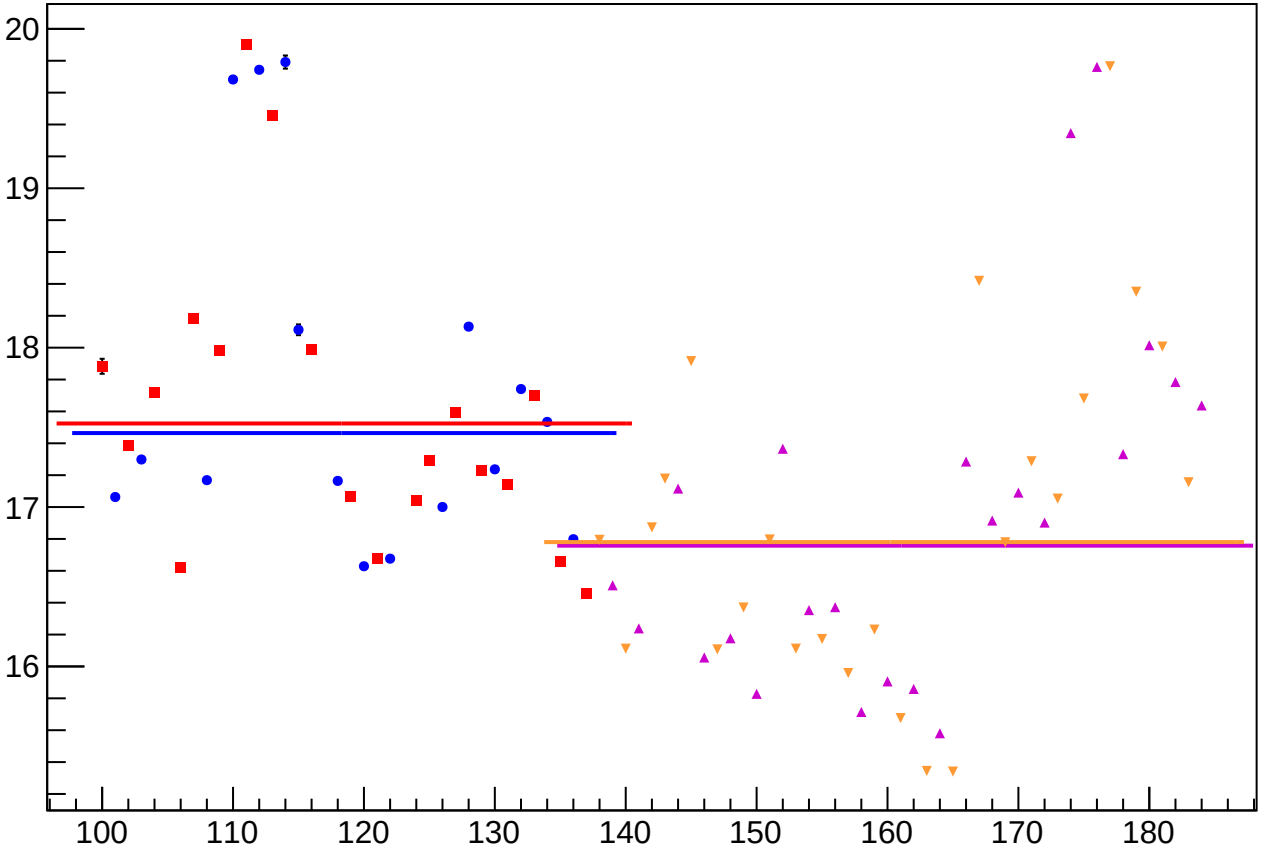
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 3.419+/-3.359 χ^2/NDF:41.0/38

Out: -0.472+/-3.298 χ^2/NDF:35.5/42

All: 1.438+/-2.353 χ^2/NDF: 77.2/81

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: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.769+/-0.002 χ^2/NDF: 258787.8/46

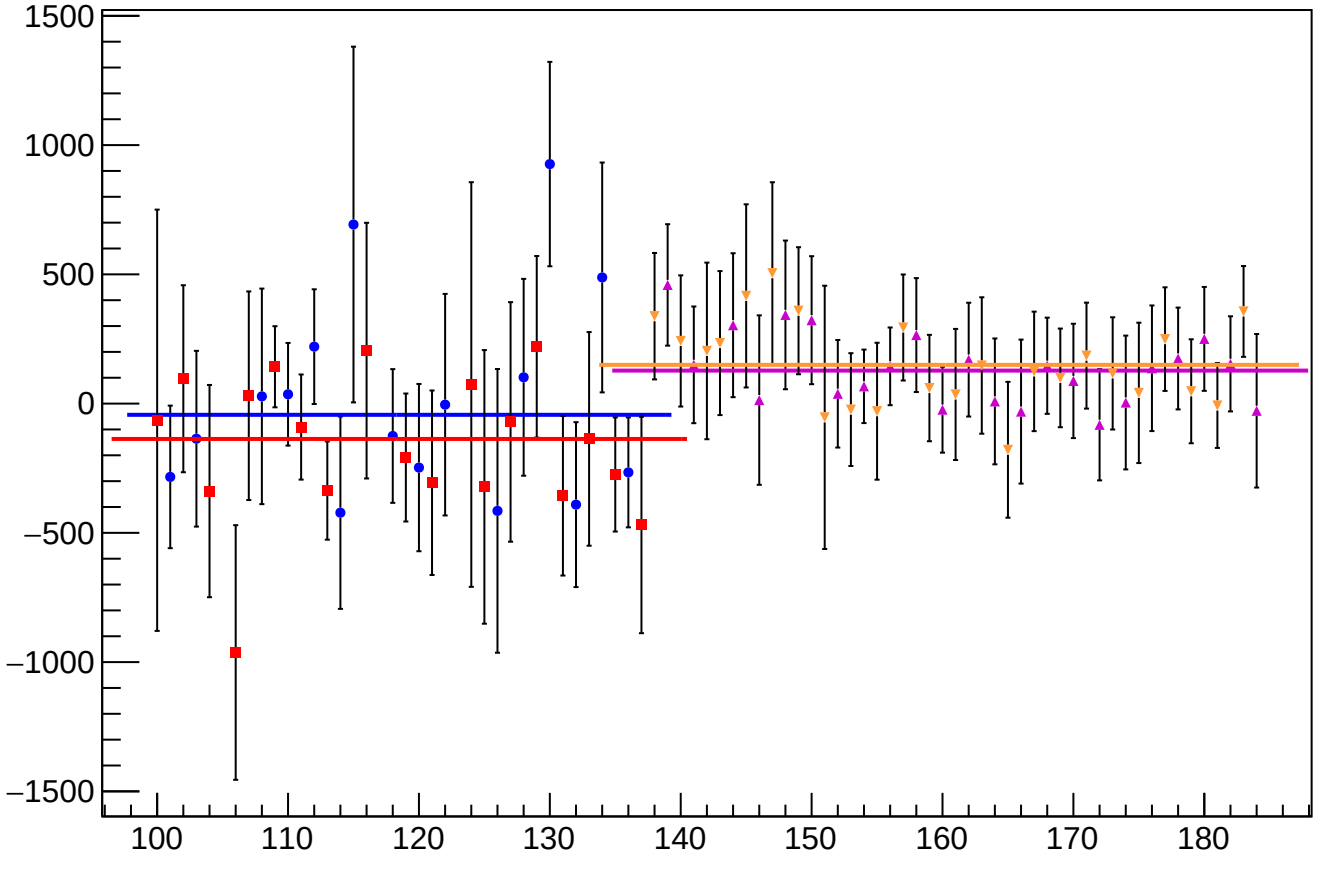
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.947+/-0.002 χ^2/NDF:177273.1/38

Out: 16.978+/-0.002 χ^2/NDF:190021.6/42

All: 16.962+/-0.002 χ^2/NDF: 367382.4/81

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: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.034+/-32.483 χ^2/NDF: 17.9/46

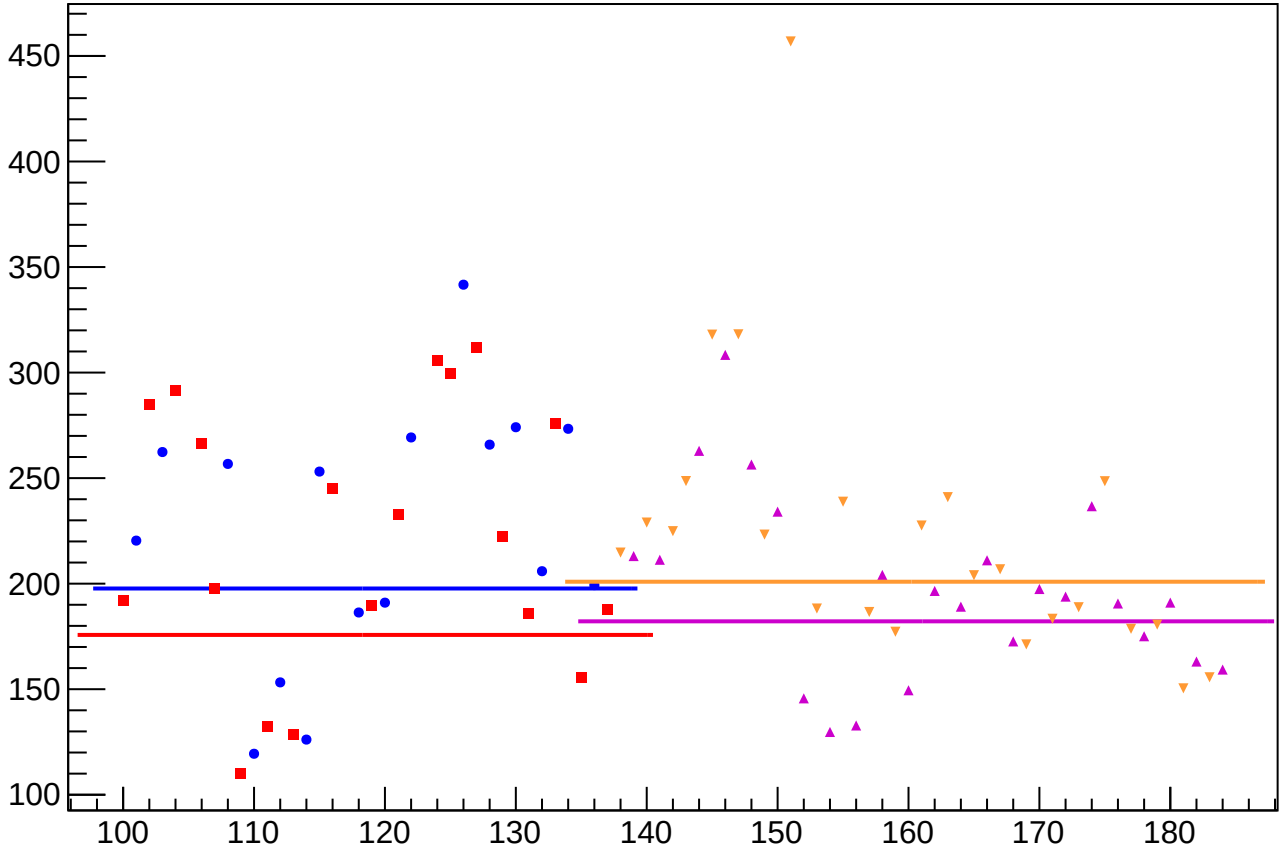
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 85.462+/-38.553 χ^2/NDF:27.0/38

Out: 58.424+/-39.290 χ^2/NDF:33.1/42

All: 72.199+/-27.518 χ^2/NDF: 60.3/81

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: 182.150+/-0.031 χ^2/NDF:1584358.1/22

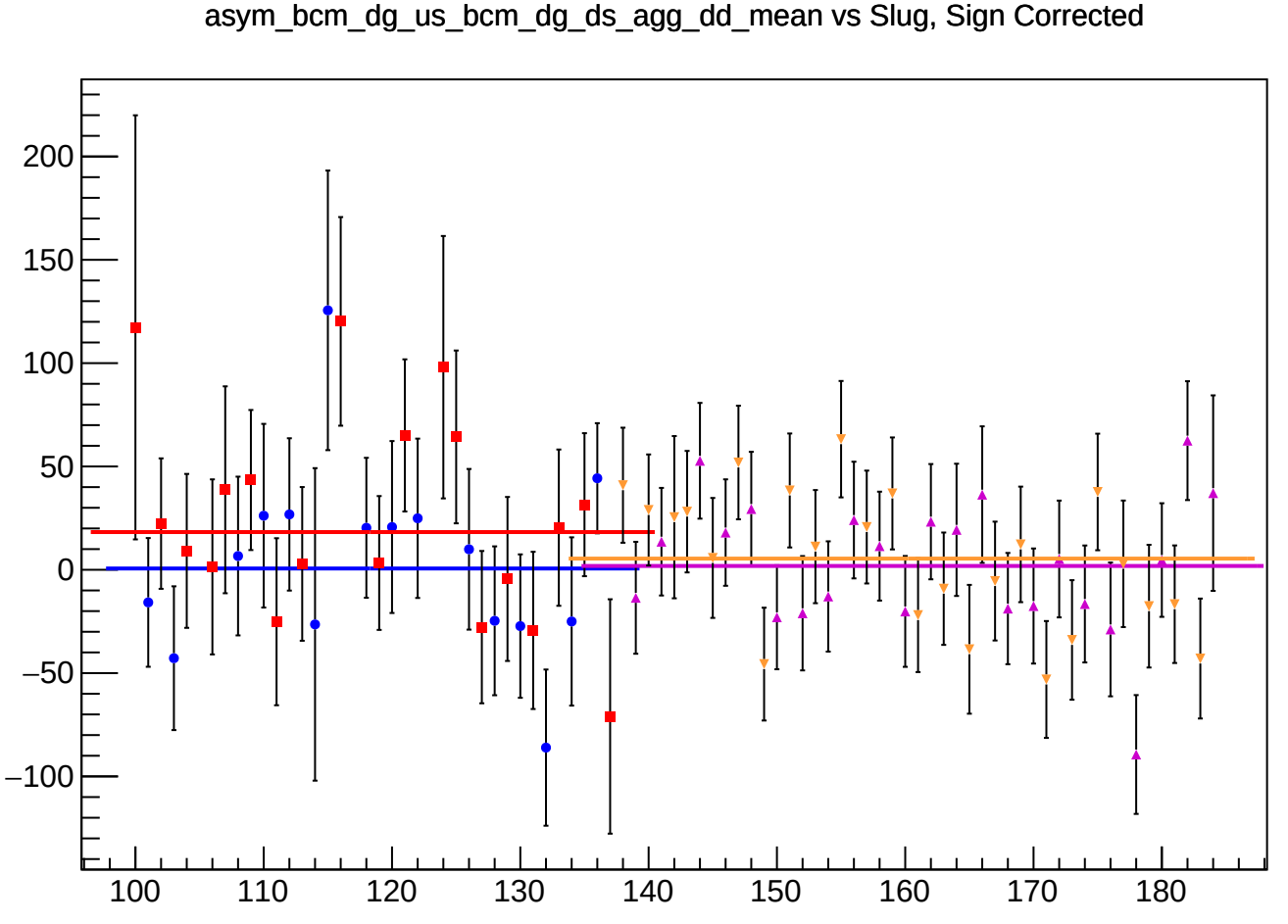
Left: 190.885+/-0.023 χ^2/NDF: 3463861.9/46

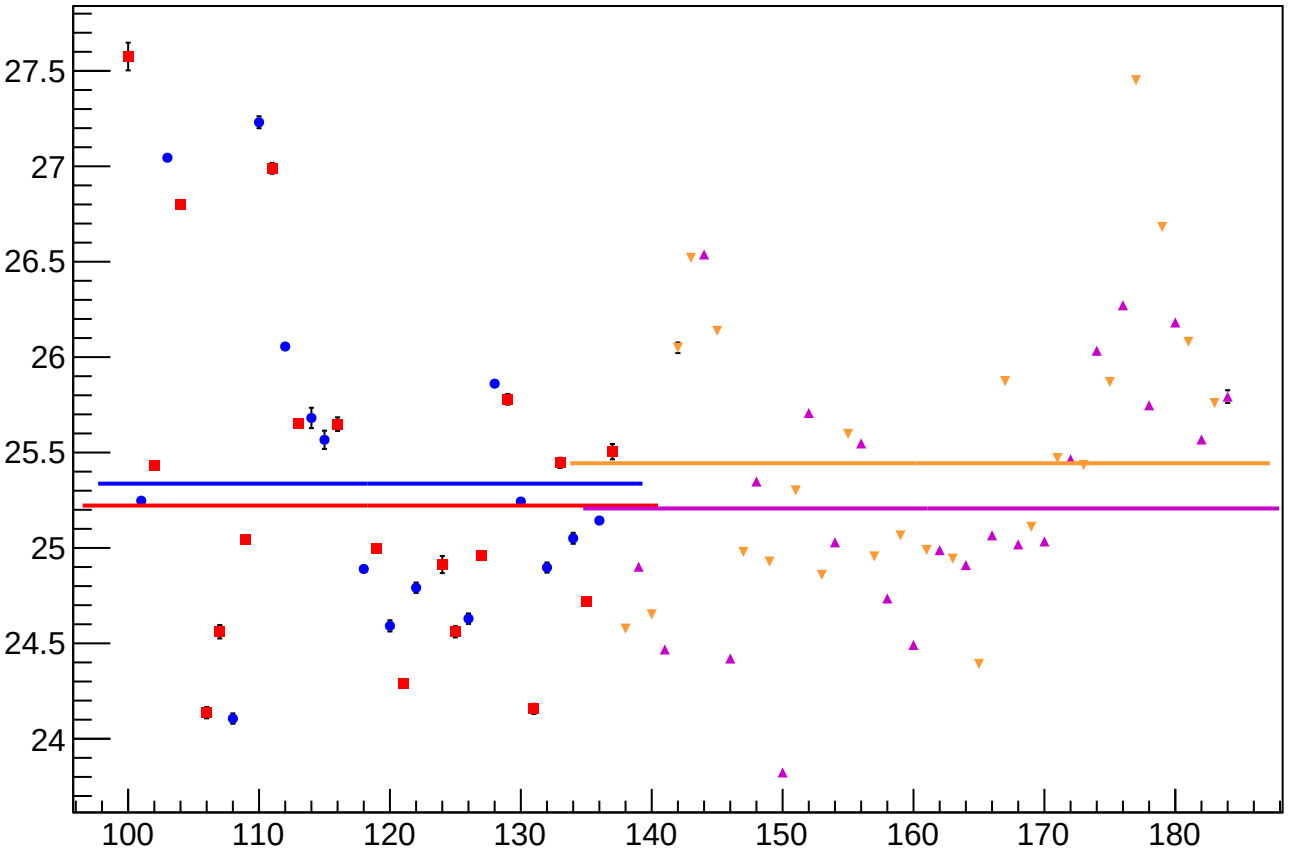
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 185.992+/-0.027 χ^2/NDF:2645242.4/38

Out: 192.877+/-0.028 χ^2/NDF:3482729.6/42

All: 189.369+/-0.019 χ^2/NDF: 6159266.8/81


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: 0.619+/-9.421 χ²/NDF: 16.7/15
Left Out: 5.411+/-5.826 χ²/NDF:31.8/23
Right Out: 18.248+/-9.208 χ²/NDF: 18.0/18
Left In: 1.850+/-5.893 χ²/NDF:28.1/22
Left: 3.651+/-4.143 χ²/NDF: 60.1/46
Right: 9.635+/-6.585 χ²/NDF: 36.5/34
In: 1.504+/-4.996 χ²/NDF:44.8/38
Out: 9.081+/-4.923 χ²/NDF:51.2/42
All: 5.348+/-3.507 χ²/NDF: 97.2/81



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: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.327+/-0.003 χ^2/NDF: 56780.7/46

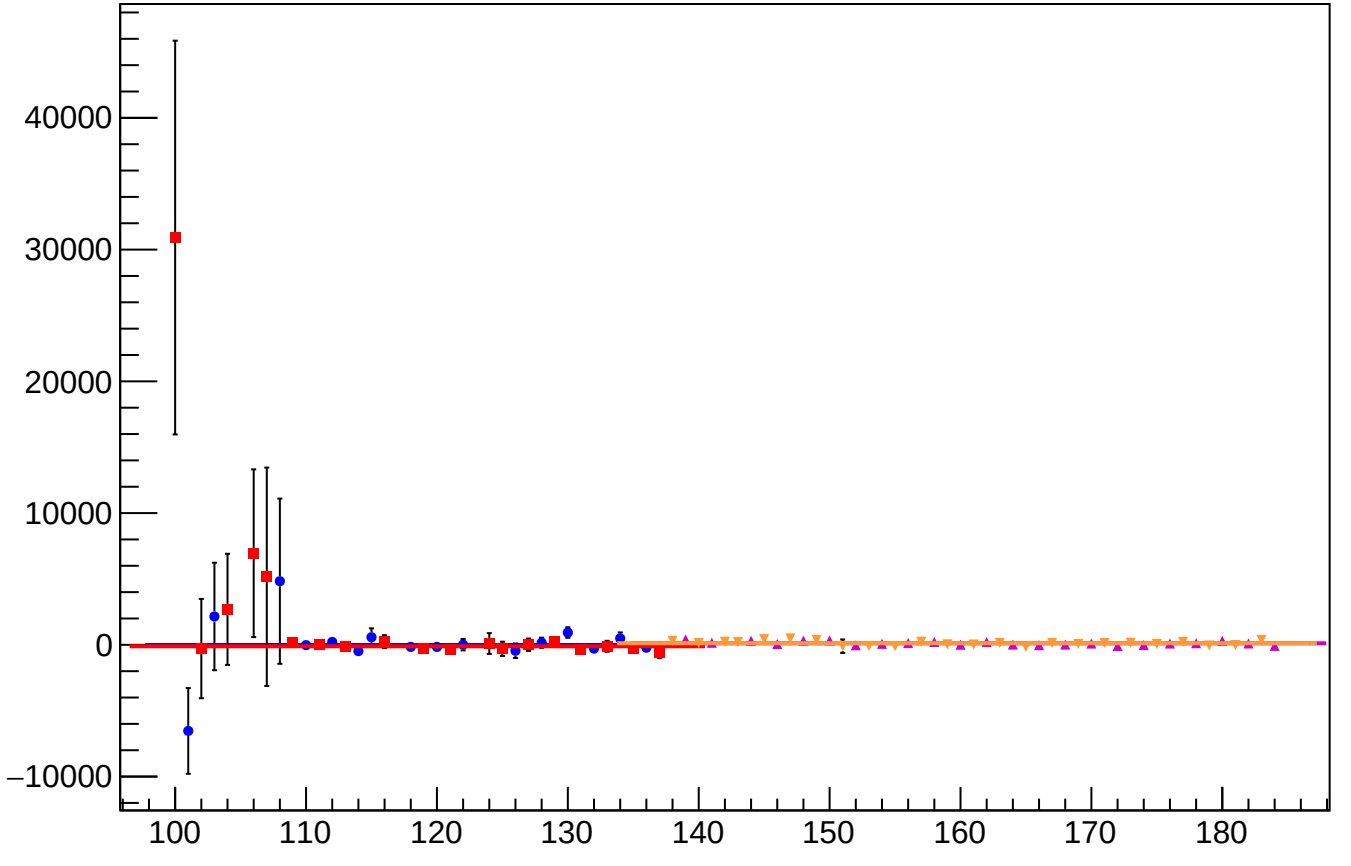
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.243+/-0.004 χ^2/NDF:40416.9/38

Out: 25.380+/-0.003 χ^2/NDF:45369.7/42

All: 25.313+/-0.002 χ^2/NDF: 86549.7/81

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: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 120.169+/-32.617 χ^2/NDF: 19.0/46

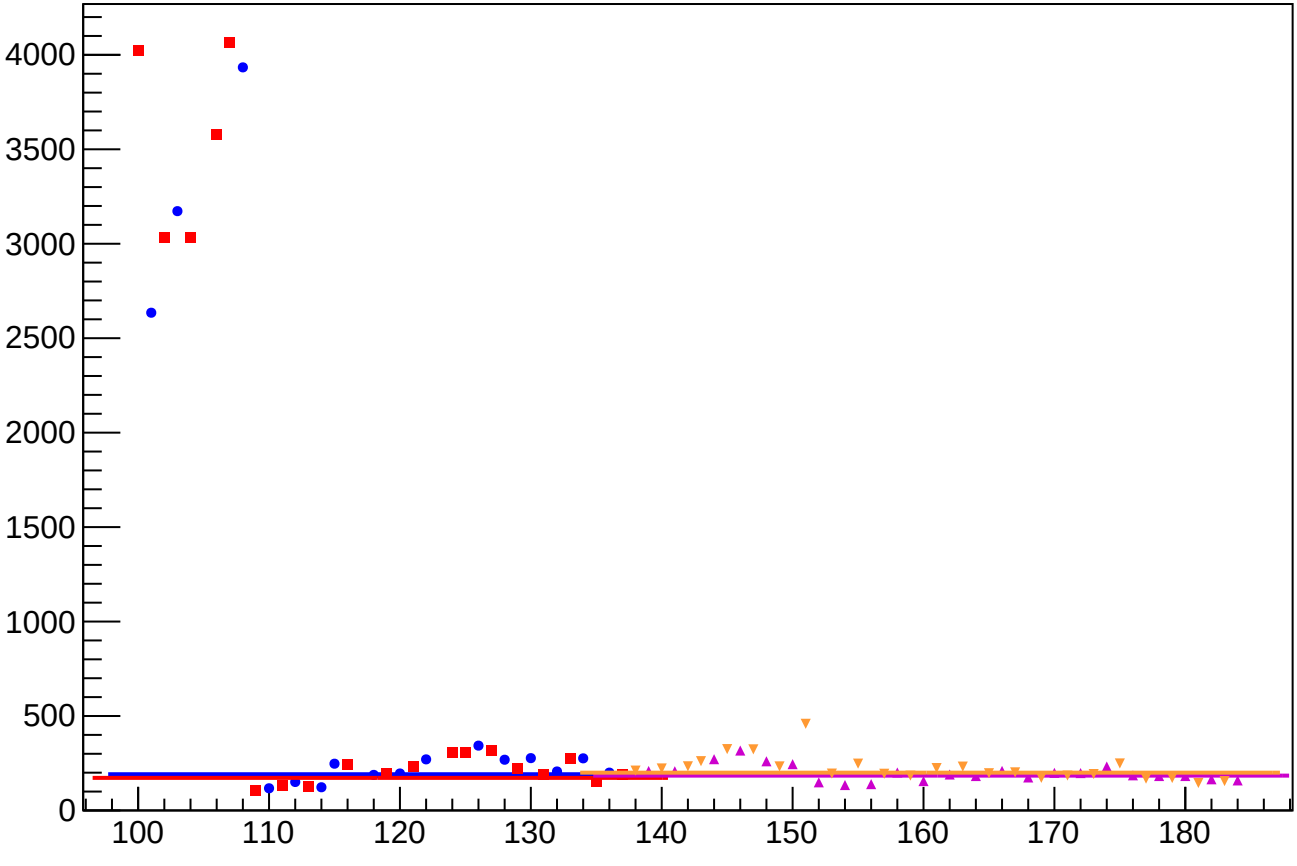
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 88.202+/-39.651 χ^2/NDF:28.2/38

Out: 60.696+/-40.580 χ^2/NDF:31.5/42

All: 74.767+/-28.360 χ^2/NDF: 60.0/81

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: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.794+/-0.023 χ^2/NDF: 3419902.0/46

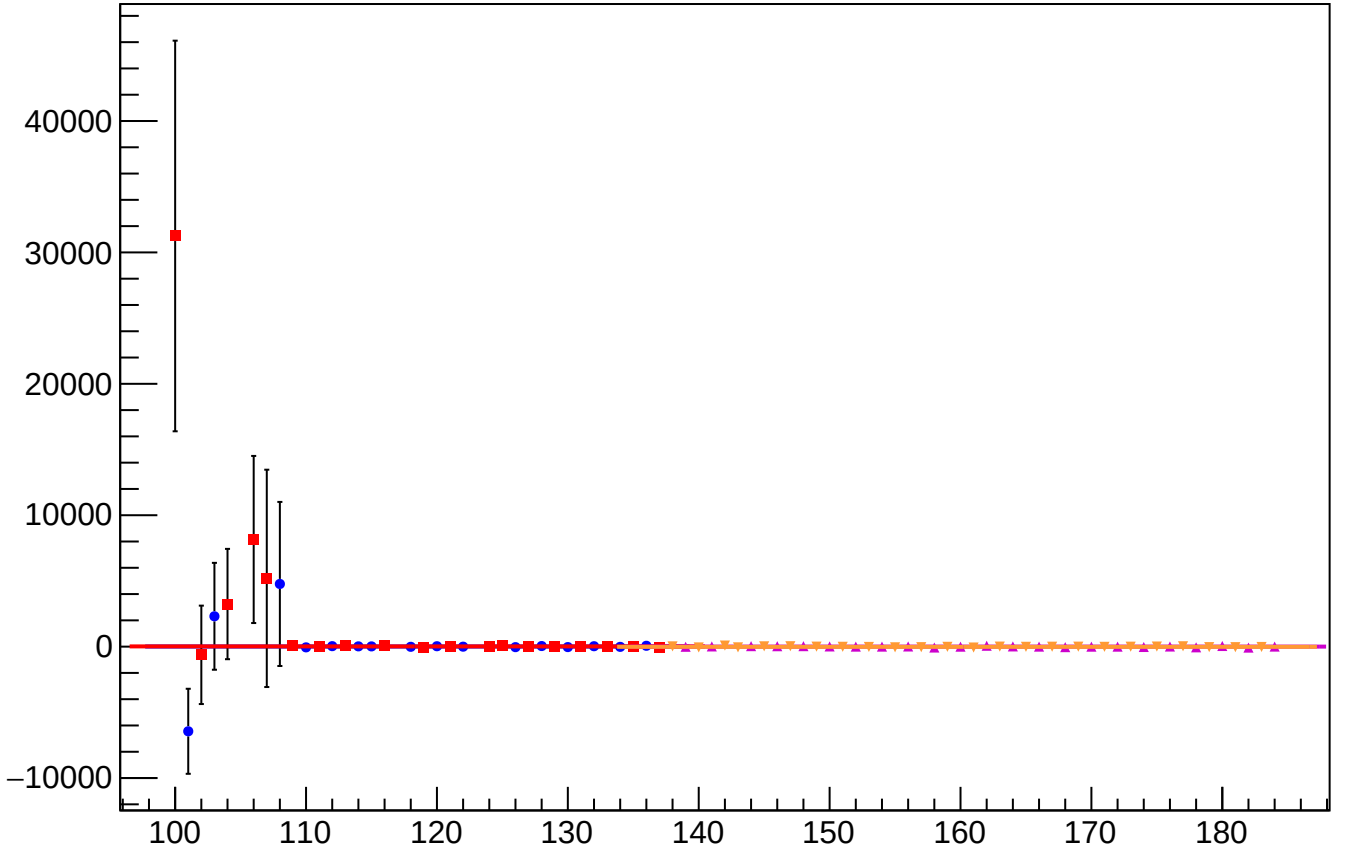
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 186.007+/-0.028 χ^2/NDF:5279828.1/38

Out: 192.623+/-0.029 χ^2/NDF:6344108.1/42

All: 189.238+/-0.020 χ^2/NDF: 11651132.4/81

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: 2.172+/-6.703 χ^2/NDF:28.3/22

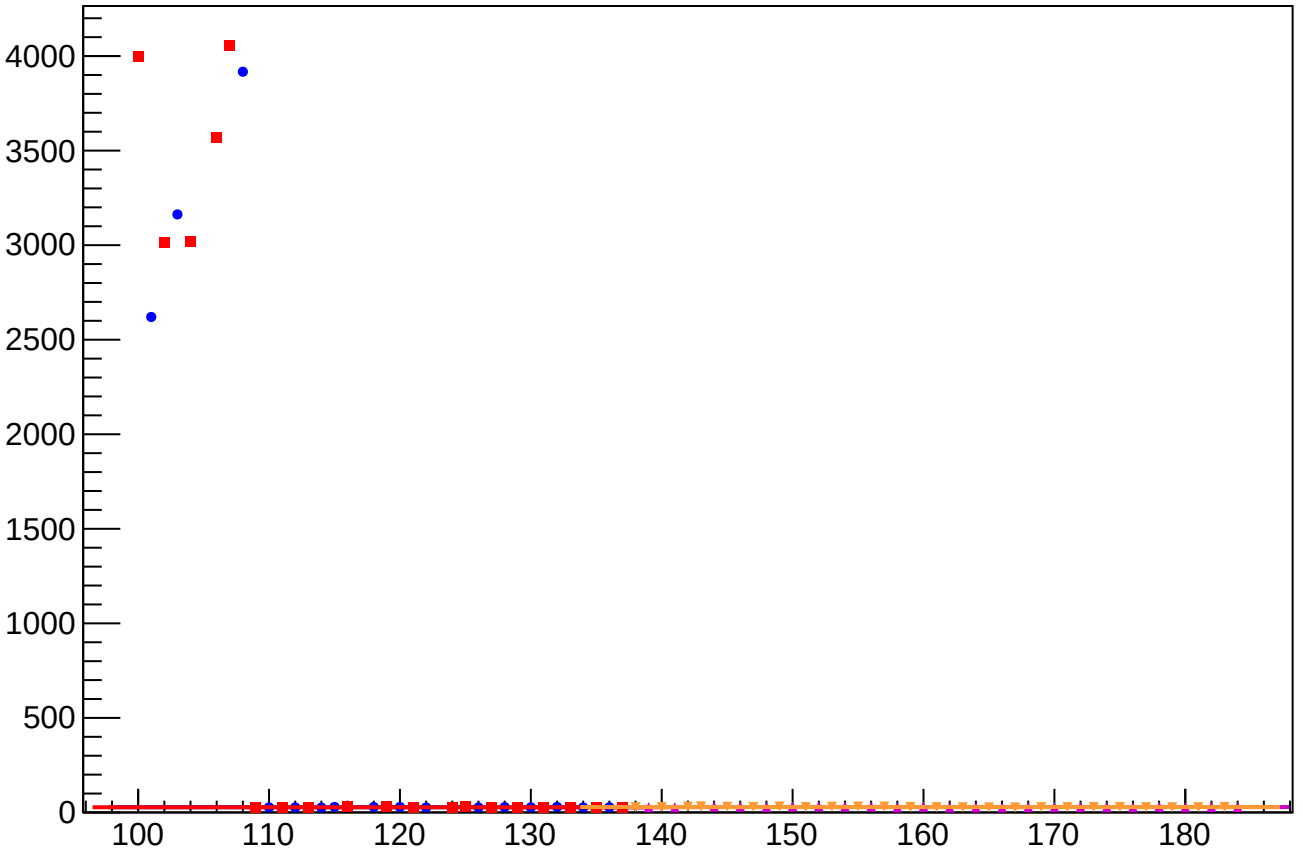
Left: -6.178+/-4.687 χ^2/NDF: 52.8/46

Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 4.006+/-5.815 χ^2/NDF:44.6/38

Out: -6.559+/-5.731 χ^2/NDF:52.0/42

All: -1.353+/-4.082 χ^2/NDF: 98.2/81



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: 28.606+/-0.005 χ^2/NDF:122928.2/22

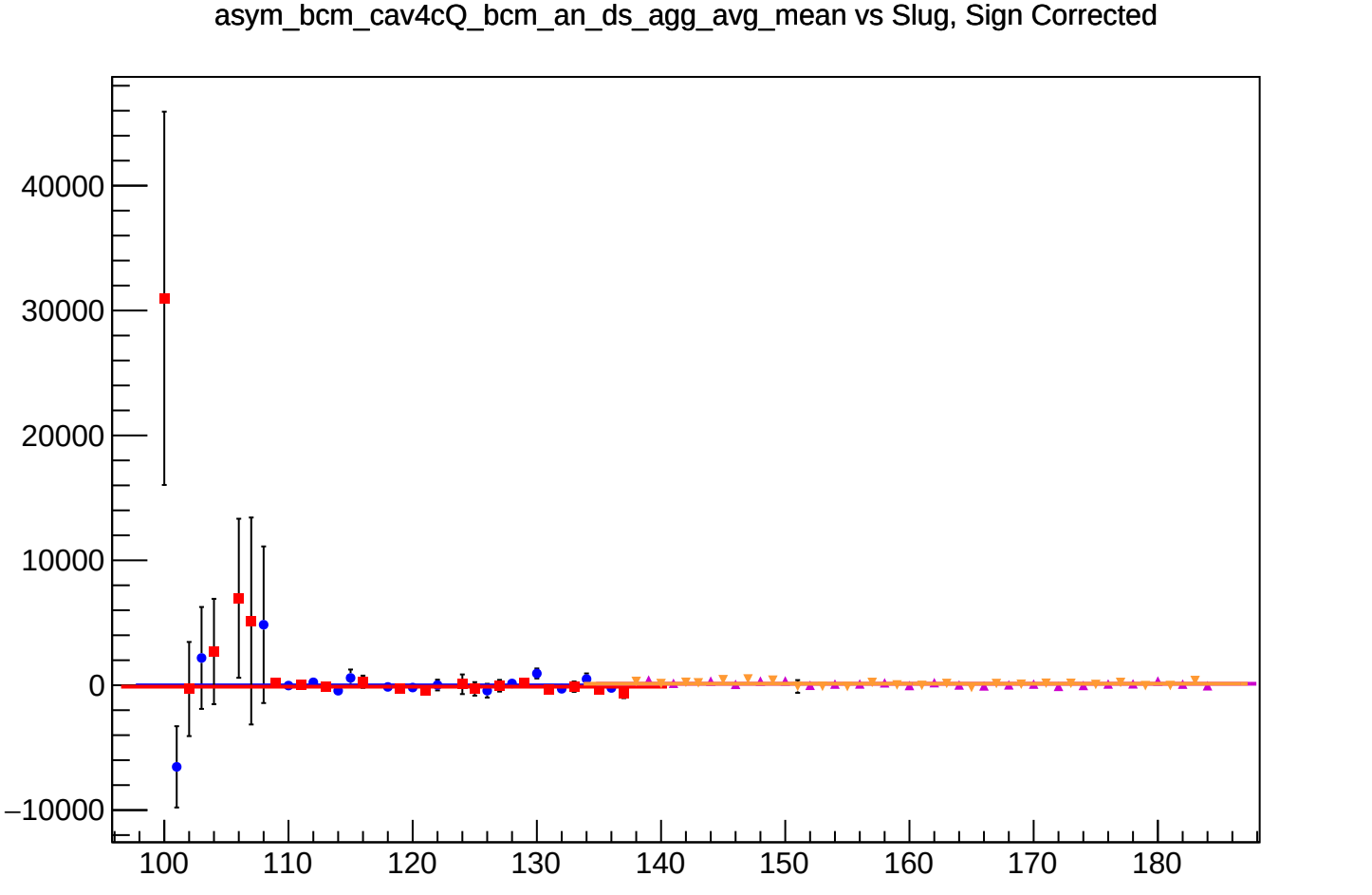
Left: 28.595+/-0.003 χ^2/NDF: 211068.2/46

Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.367+/-0.004 χ^2/NDF:3398673.4/38

Out: 28.338+/-0.004 χ^2/NDF:3655469.7/42

All: 28.352+/-0.003 χ^2/NDF: 7054169.0/81



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: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 117.909+/-32.551 χ^2/NDF: 20.3/46

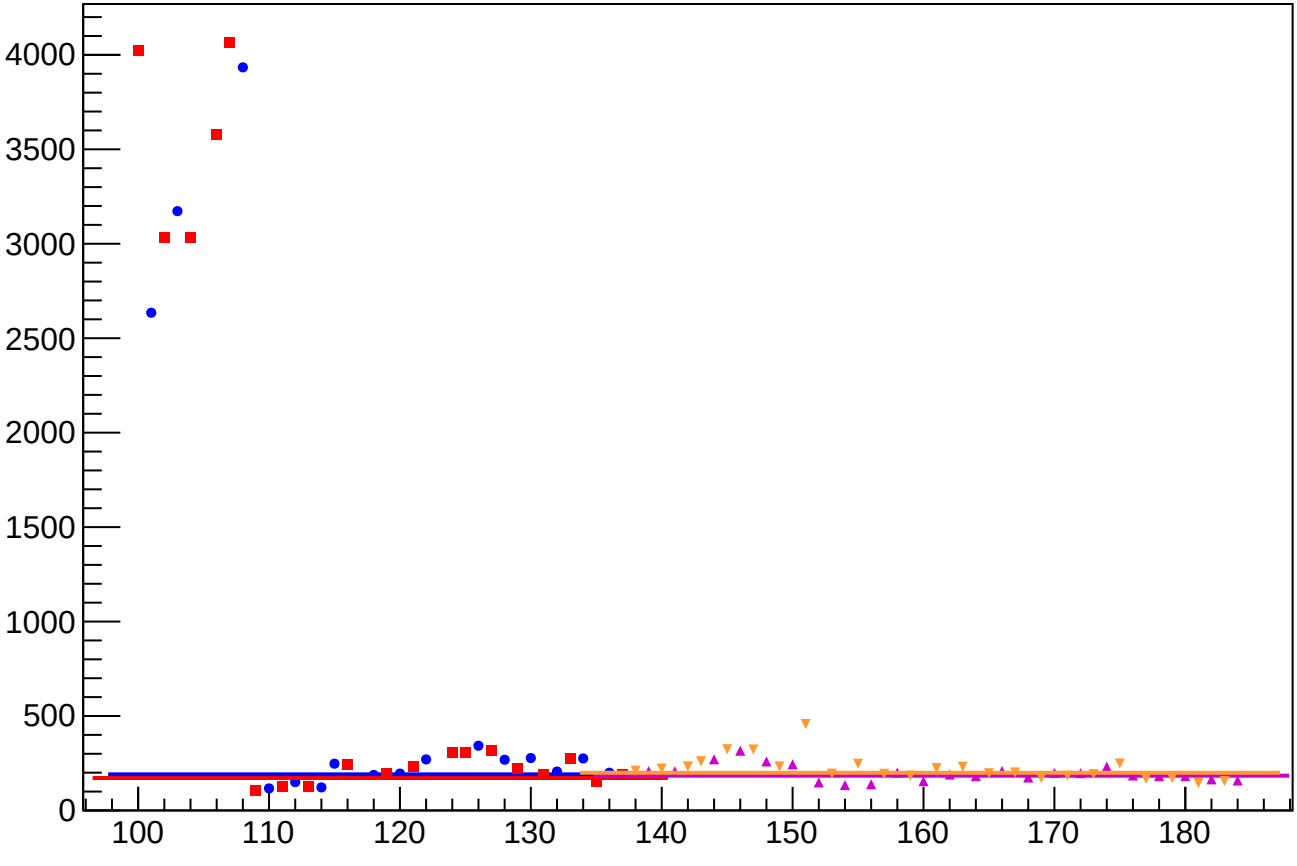
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 87.840+/-39.567 χ^2/NDF:28.6/38

Out: 55.479+/-40.483 χ^2/NDF:33.1/42

All: 72.030+/-28.296 χ^2/NDF: 62.0/81

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: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 191.410+/-0.023 χ^2/NDF: 3417839.8/46

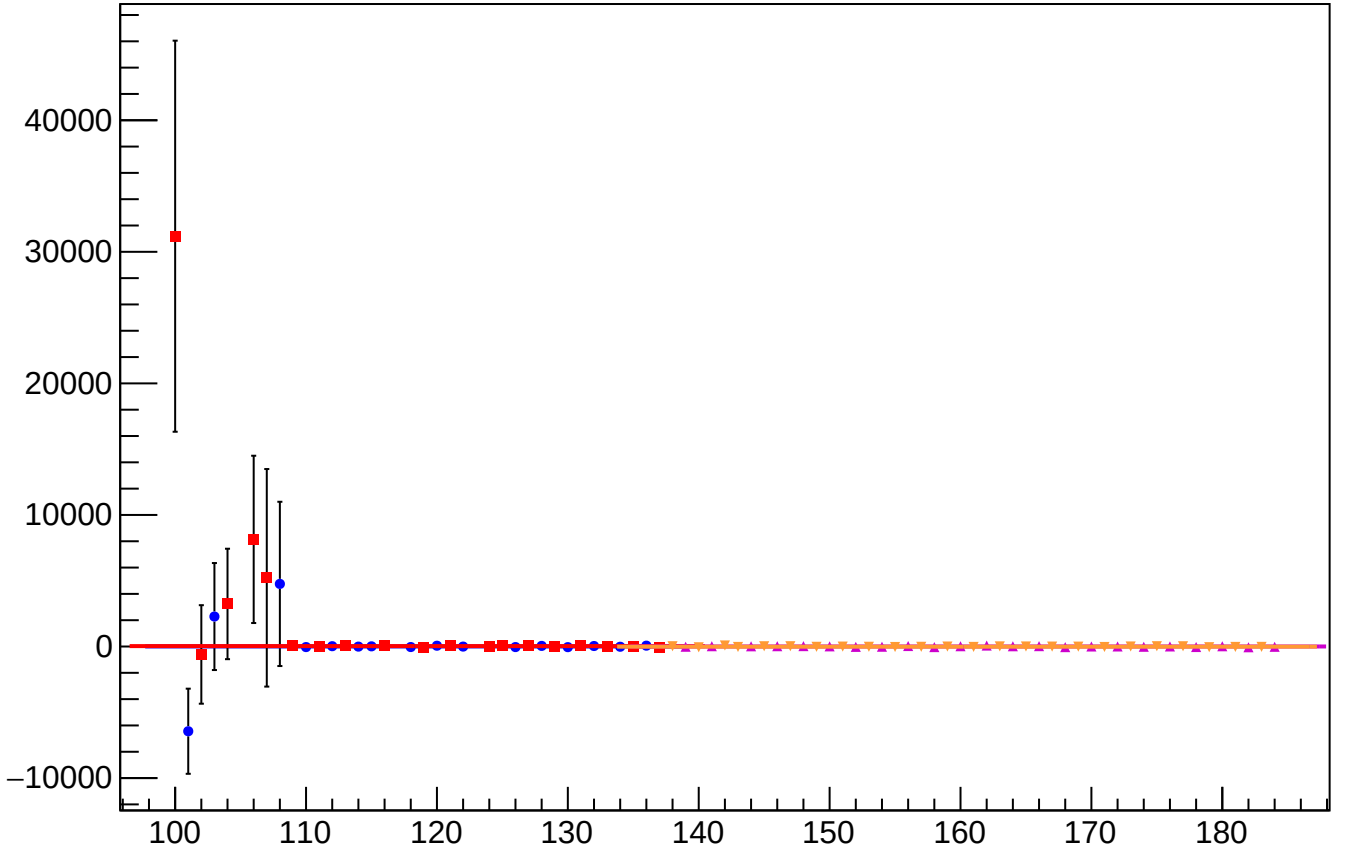
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 185.591+/-0.028 χ^2/NDF:5290160.7/38

Out: 192.131+/-0.029 χ^2/NDF:6358909.2/42

All: 188.786+/-0.020 χ^2/NDF: 11675760.5/81

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: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.370+/-4.708 χ^2/NDF: 40.9/46

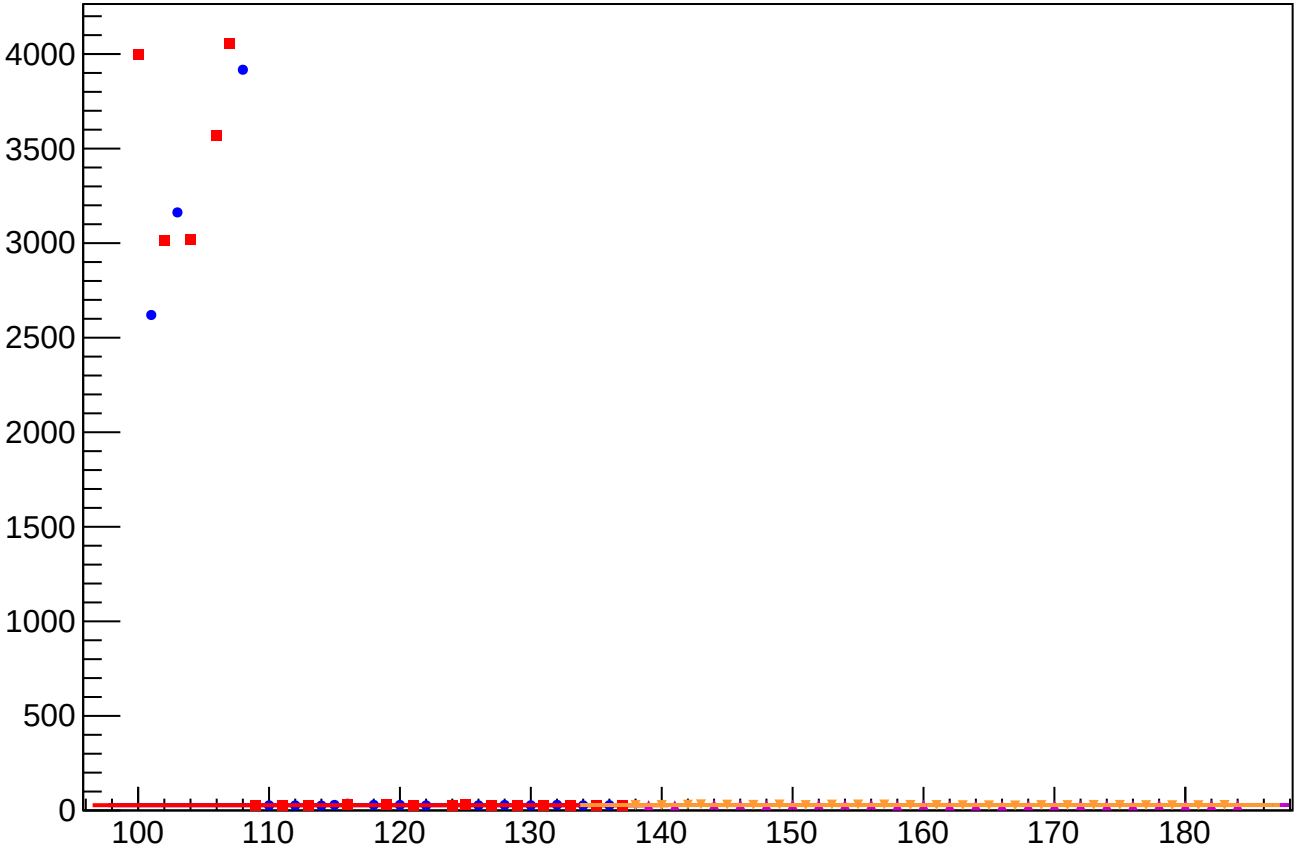
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 3.542+/-5.843 χ^2/NDF:40.5/38

Out: -1.177+/-5.762 χ^2/NDF:46.1/42

All: 1.150+/-4.103 χ^2/NDF: 86.9/81

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: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.718+/-0.003 χ^2/NDF: 226246.2/46

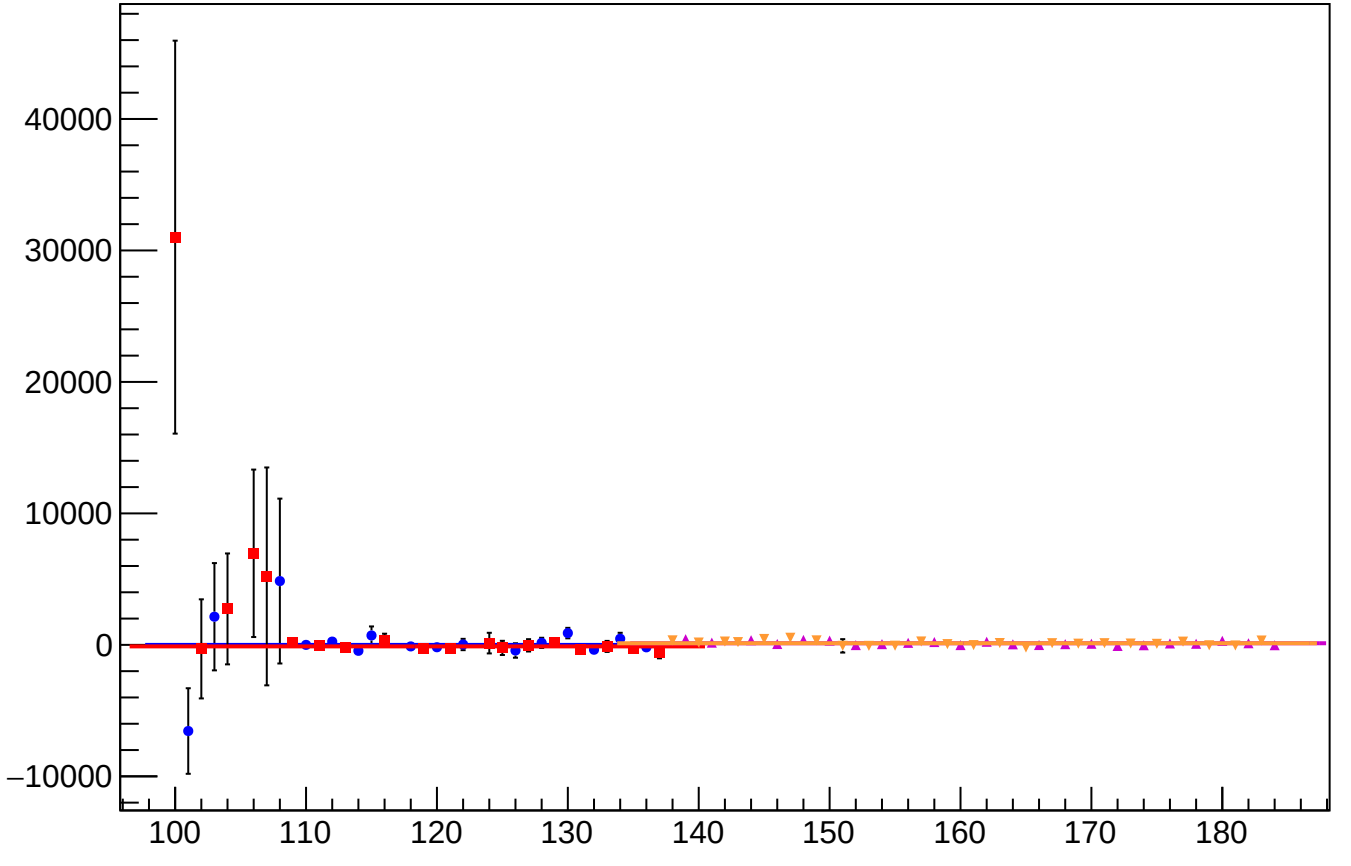
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.505+/-0.004 χ^2/NDF:3402151.2/38

Out: 28.485+/-0.004 χ^2/NDF:3667403.6/42

All: 28.495+/-0.003 χ^2/NDF: 7069566.4/81

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 123.186+/-47.868 χ^2/NDF:11.3/23

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 123.112+/-32.890 χ^2/NDF: 19.8/46

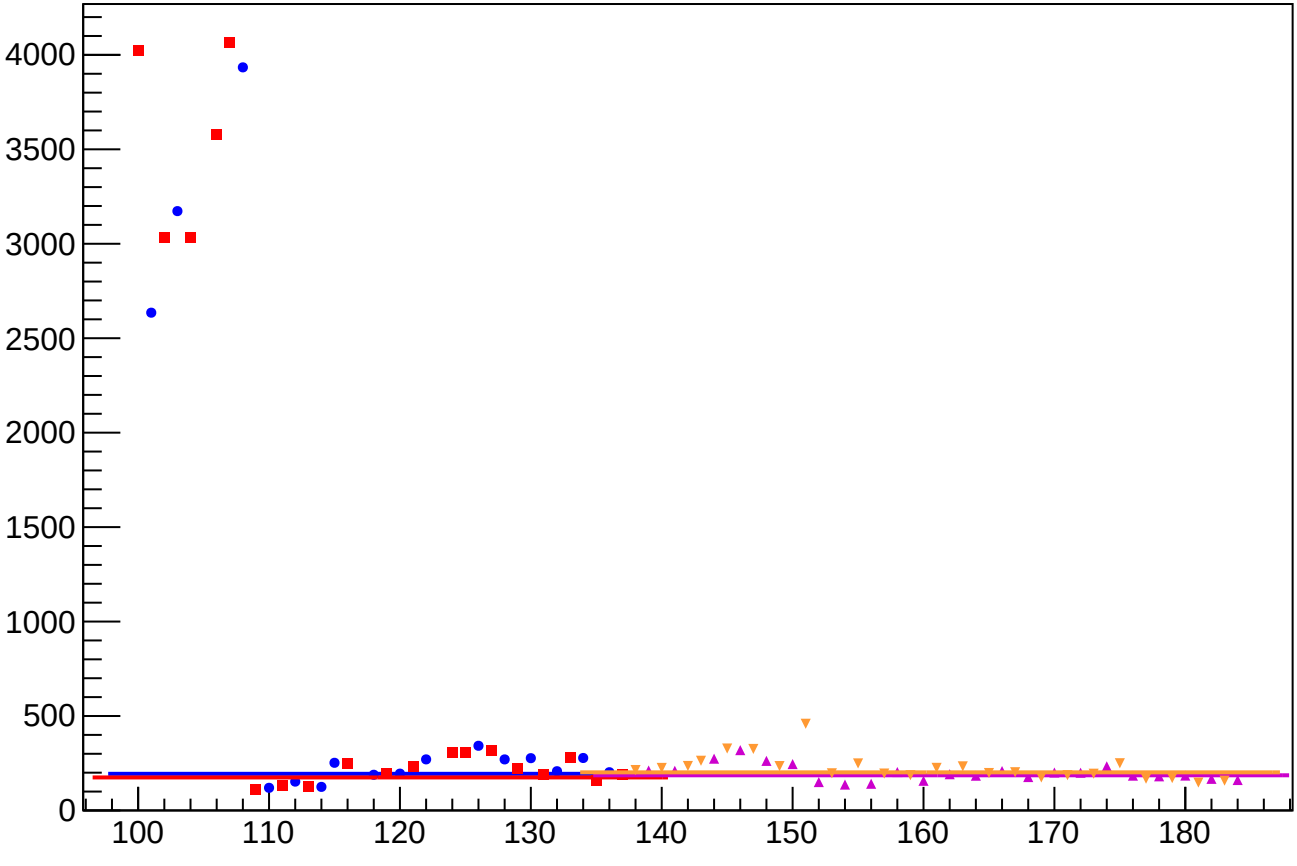
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 95.497+/-40.008 χ^2/NDF:28.4/38

Out: 58.963+/-40.932 χ^2/NDF:31.8/42

All: 77.647+/-28.611 χ^2/NDF: 60.6/81

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: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.525+/-0.023 χ^2/NDF: 3363457.8/46

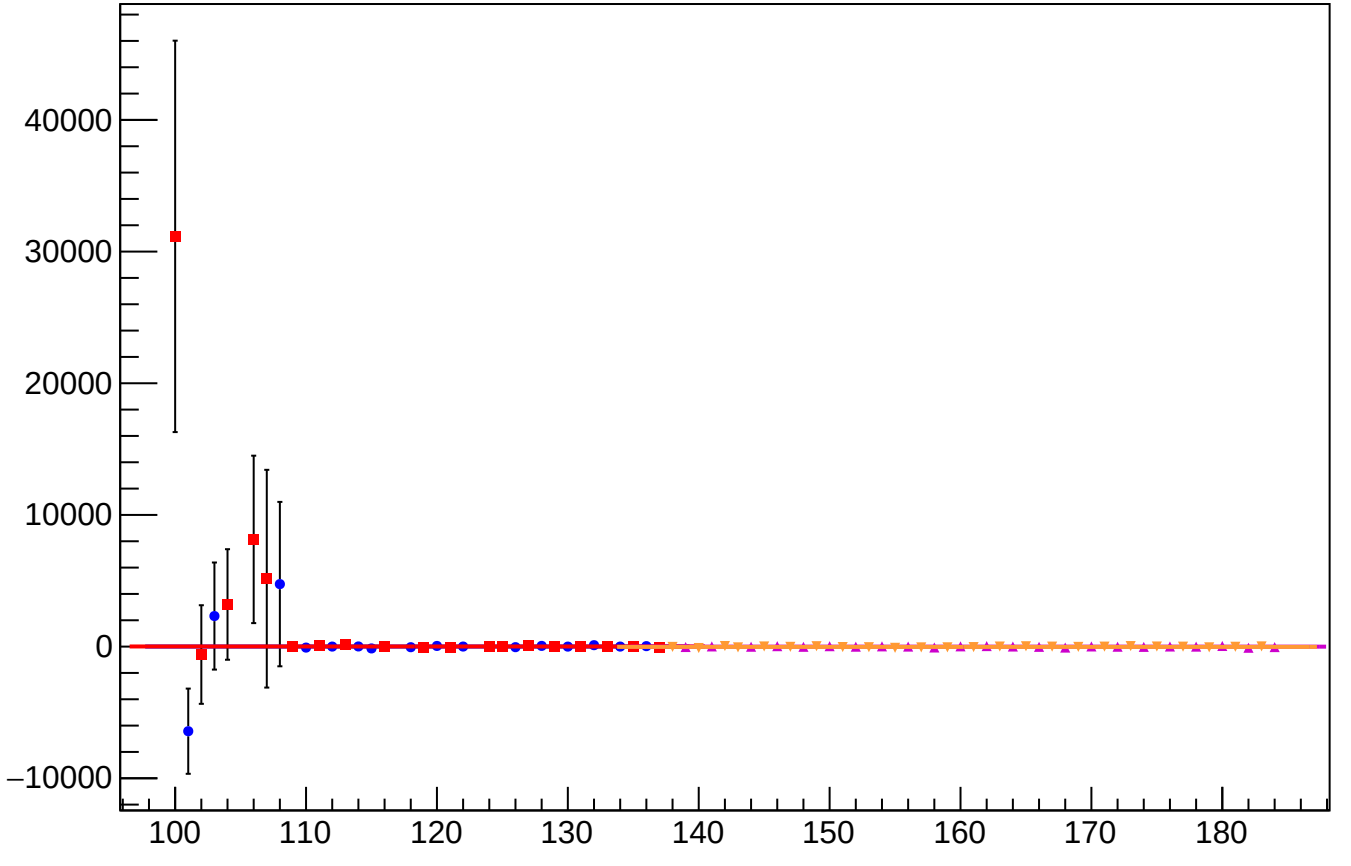
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 187.872+/-0.028 χ^2/NDF:5210777.7/38

Out: 194.501+/-0.029 χ^2/NDF:6268193.9/42

All: 191.110+/-0.020 χ^2/NDF: 11505797.8/81

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: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -13.157+/-5.645 χ^2/NDF: 43.9/46

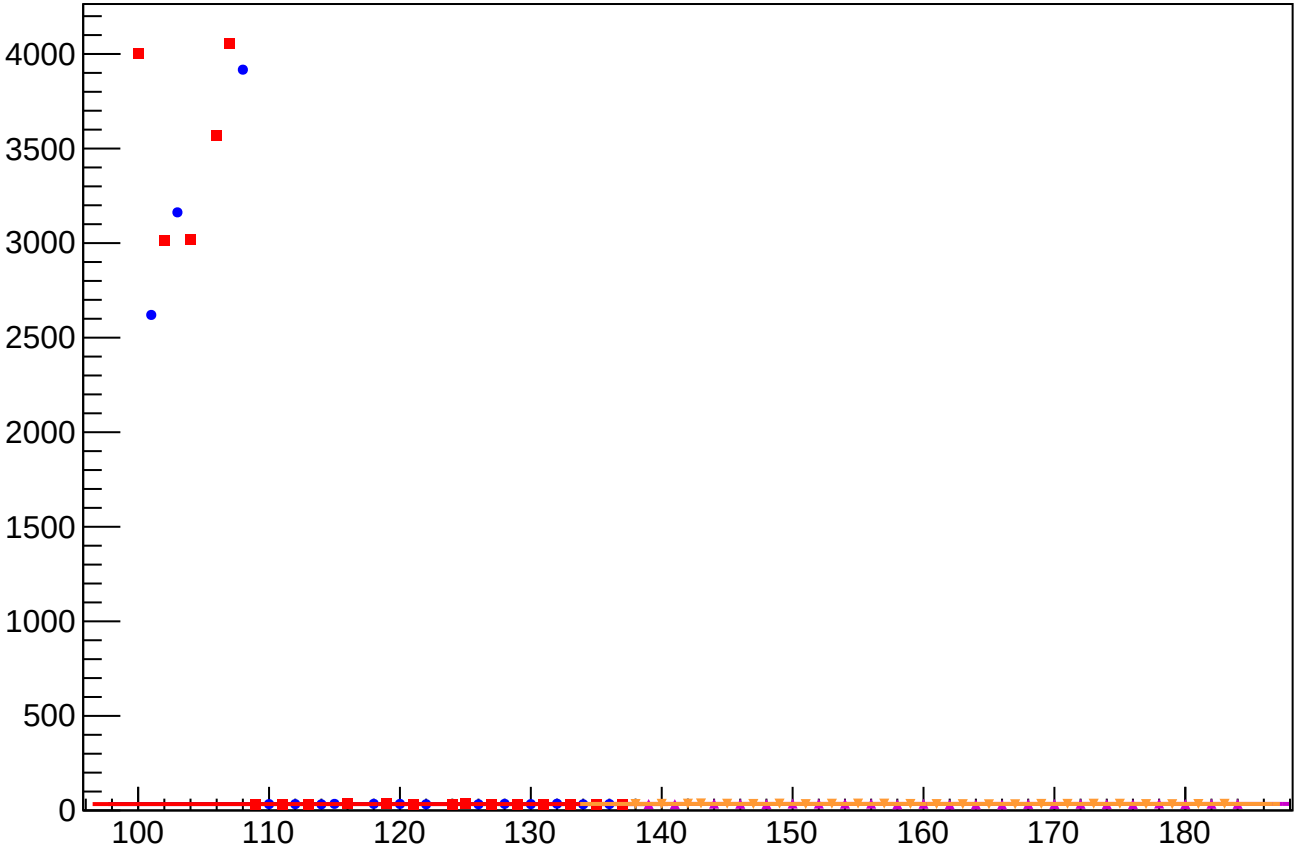
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: -1.684+/-7.038 χ^2/NDF:36.7/38

Out: -14.524+/-6.920 χ^2/NDF:49.6/42

All: -8.211+/-4.934 χ^2/NDF: 88.1/81

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: 34.552+/-0.006 χ^2/NDF:59280.9/22

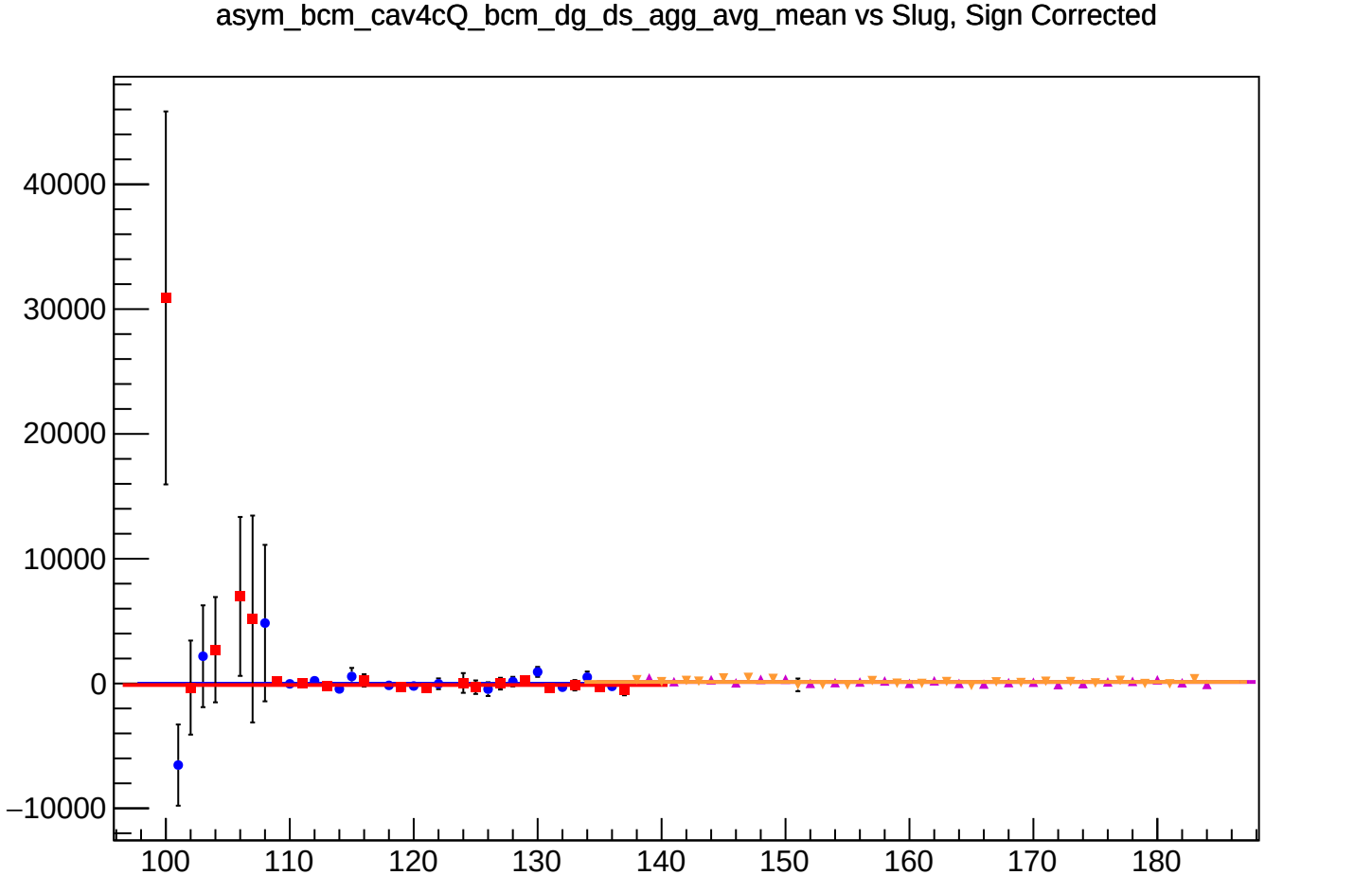
Left: 34.489+/-0.004 χ^2/NDF: 103964.1/46

Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.394+/-0.005 χ^2/NDF:3306817.6/38

Out: 34.267+/-0.005 χ^2/NDF:3574559.9/42

All: 34.330+/-0.003 χ^2/NDF: 6881707.8/81



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: 122.809+/-45.199 χ^2/NDF:8.0/22

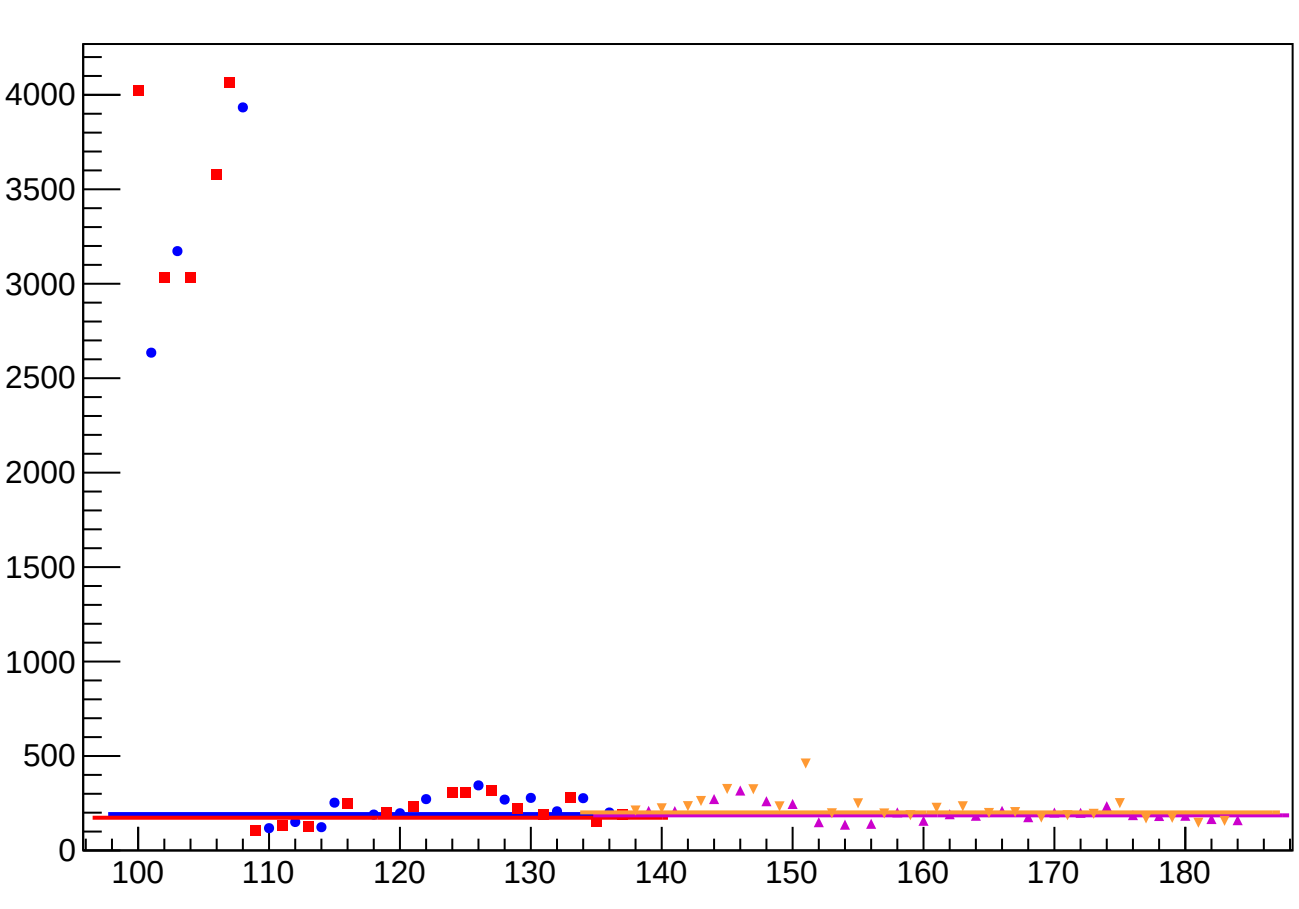
Left: 124.087+/-32.841 χ^2/NDF: 19.5/46

Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 91.471+/-39.914 χ^2/NDF:28.3/38

Out: 59.074+/-40.820 χ^2/NDF:32.0/42

All: 75.636+/-28.538 χ^2/NDF: 60.6/81



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: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 193.228+/-0.023 χ^2/NDF: 3351121.7/46

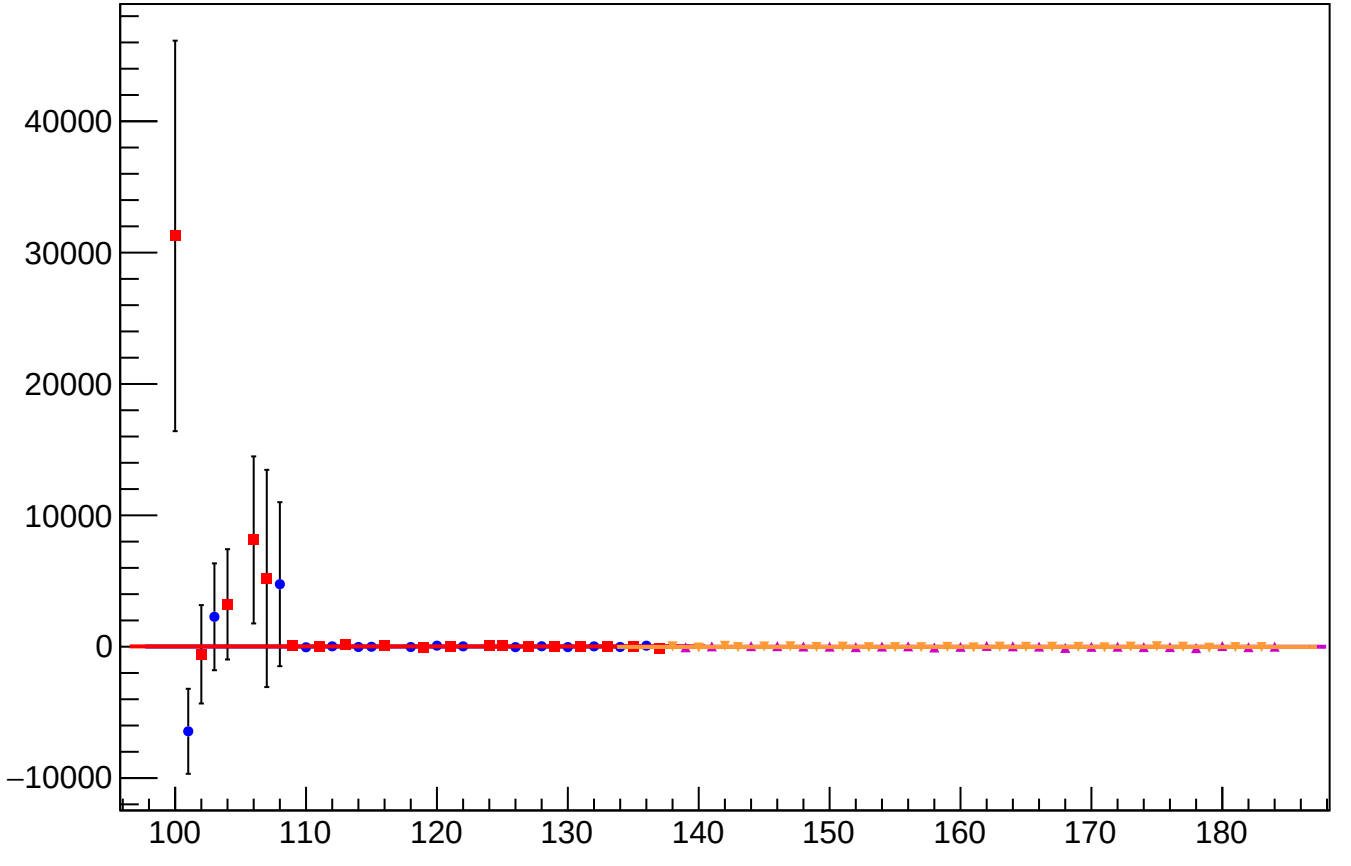
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 187.344+/-0.028 χ^2/NDF:5237957.6/38

Out: 193.819+/-0.029 χ^2/NDF:6329315.0/42

All: 190.509+/-0.020 χ^2/NDF: 11592998.1/81

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: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.375+/-5.136 χ^2/NDF: 56.9/46

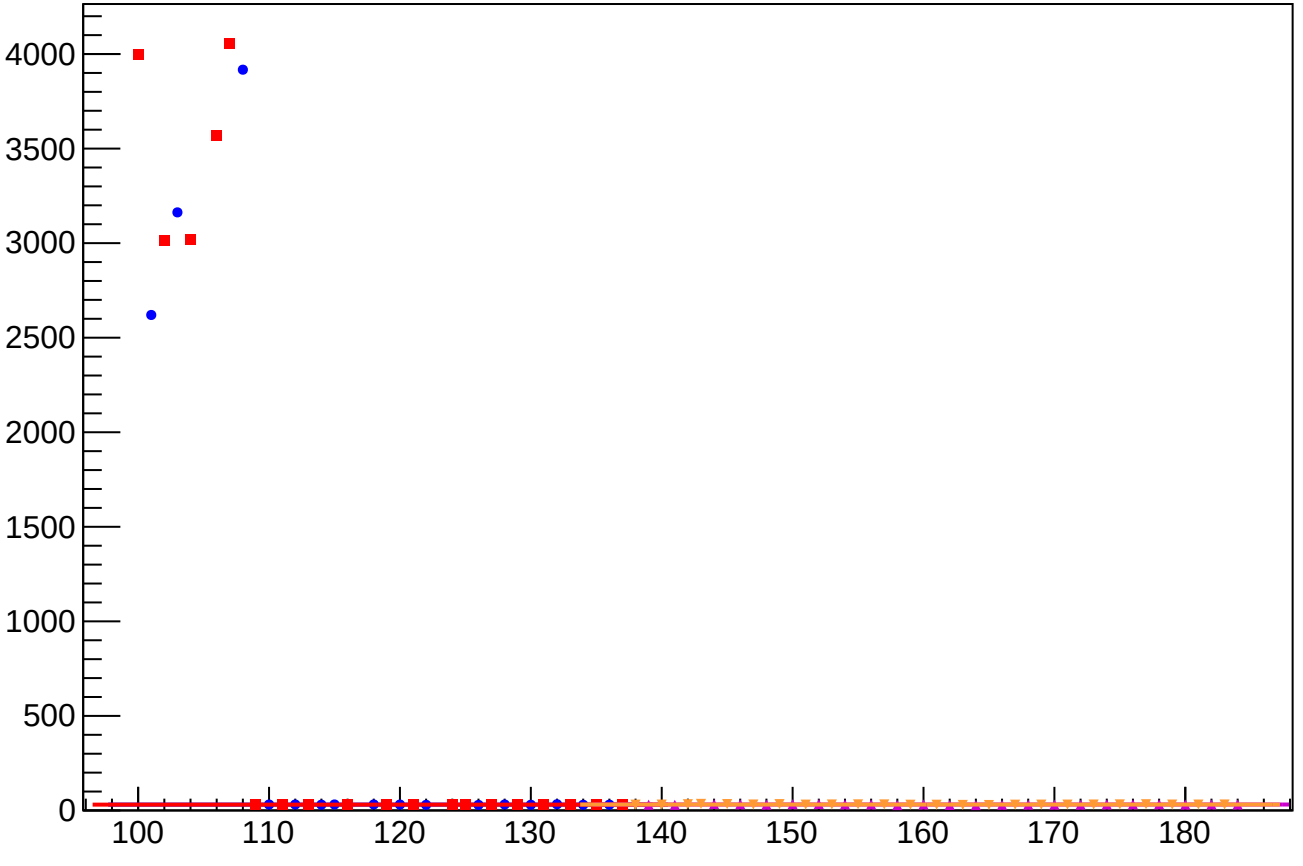
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 1.238+/-6.404 χ^2/NDF:52.2/38

Out: -8.330+/-6.306 χ^2/NDF:55.3/42

All: -3.620+/-4.493 χ^2/NDF: 108.7/81

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: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.355+/-0.004 χ^2/NDF: 148049.6/46

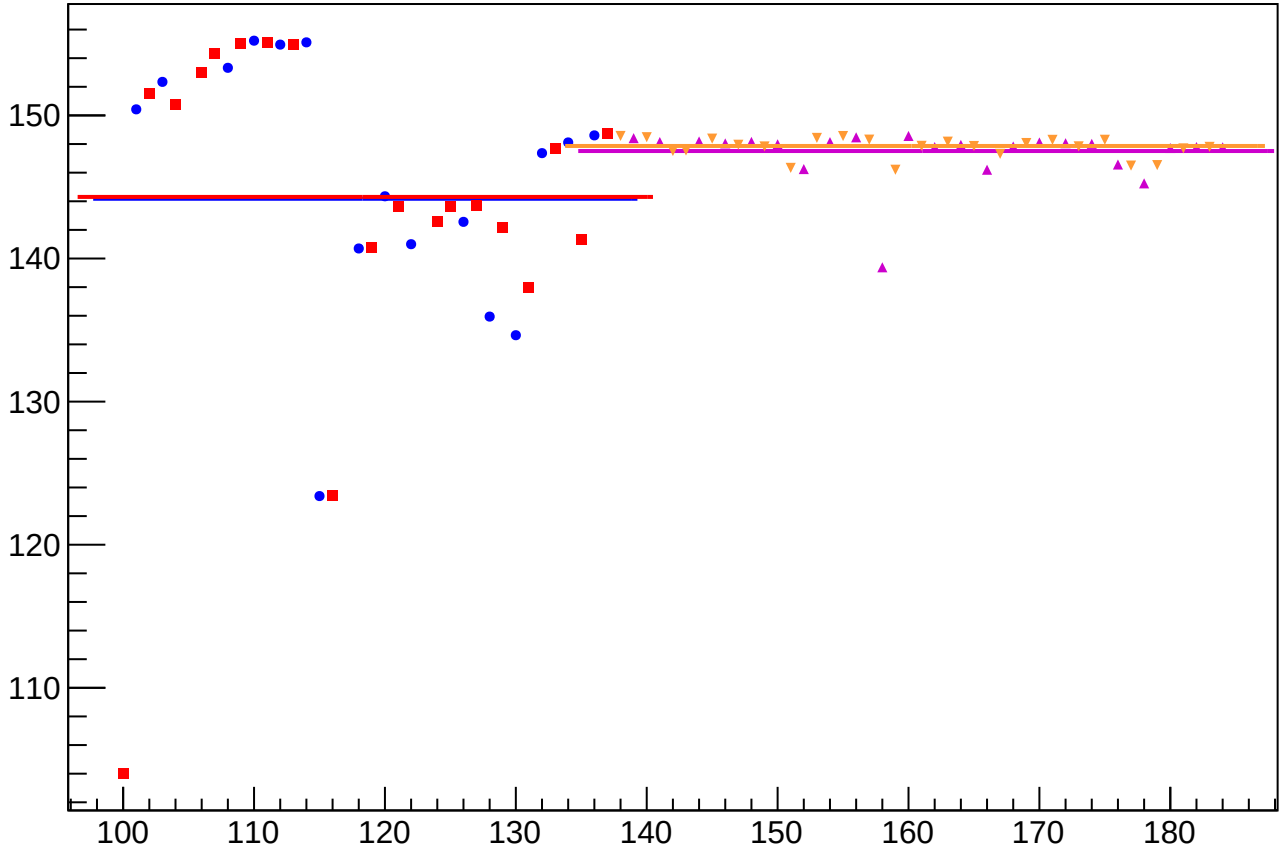
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.271+/-0.005 χ^2/NDF:3339649.0/38

Out: 31.204+/-0.004 χ^2/NDF:3601733.4/42

All: 31.237+/-0.003 χ^2/NDF: 6941493.3/81

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: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135322.8/46

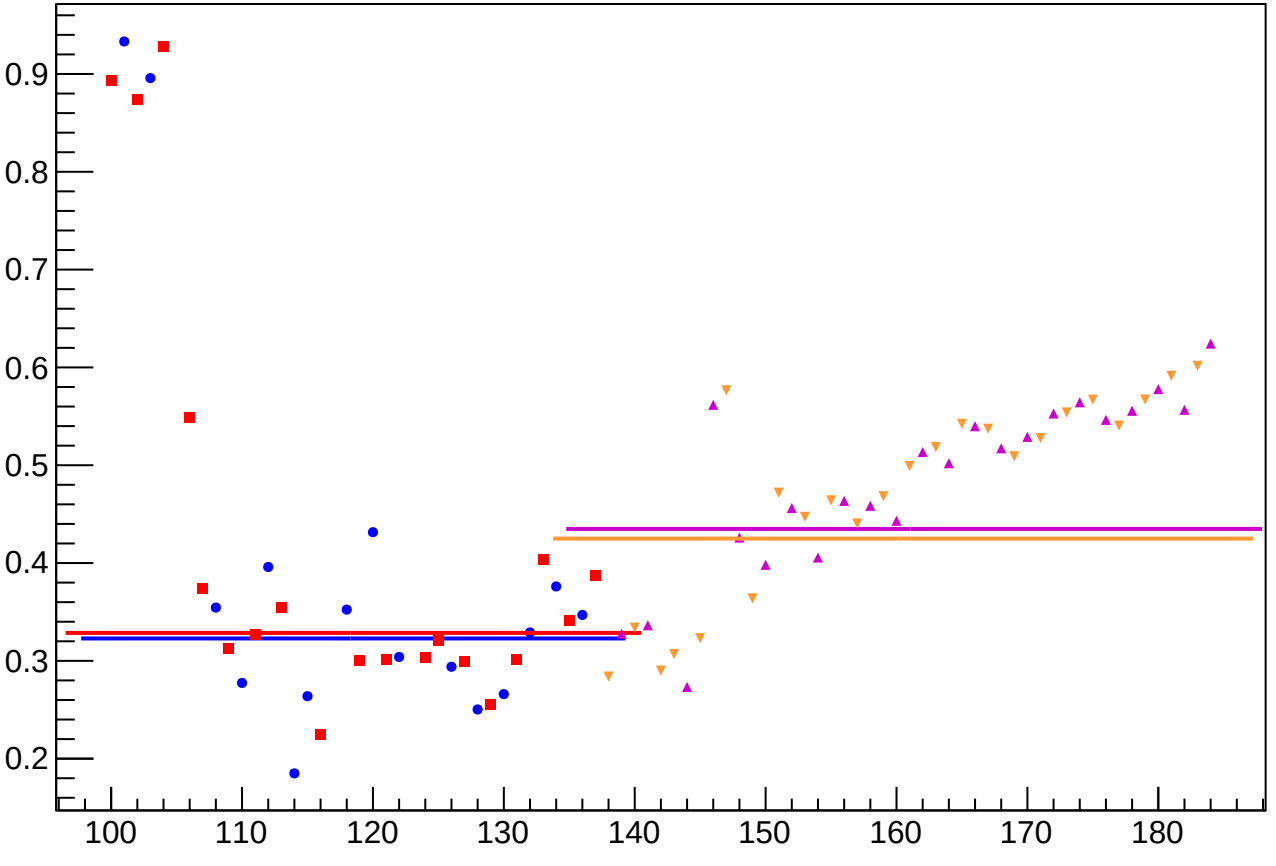
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.210+/-0.000 χ^2/NDF:4418208275.6/38

Out: 146.550+/-0.000 χ^2/NDF:4760890605.4/42

All: 146.384+/-0.000 χ^2/NDF: 9187752480.7

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: 0.435+/-0.000 χ^2/NDF:1774903.7/22

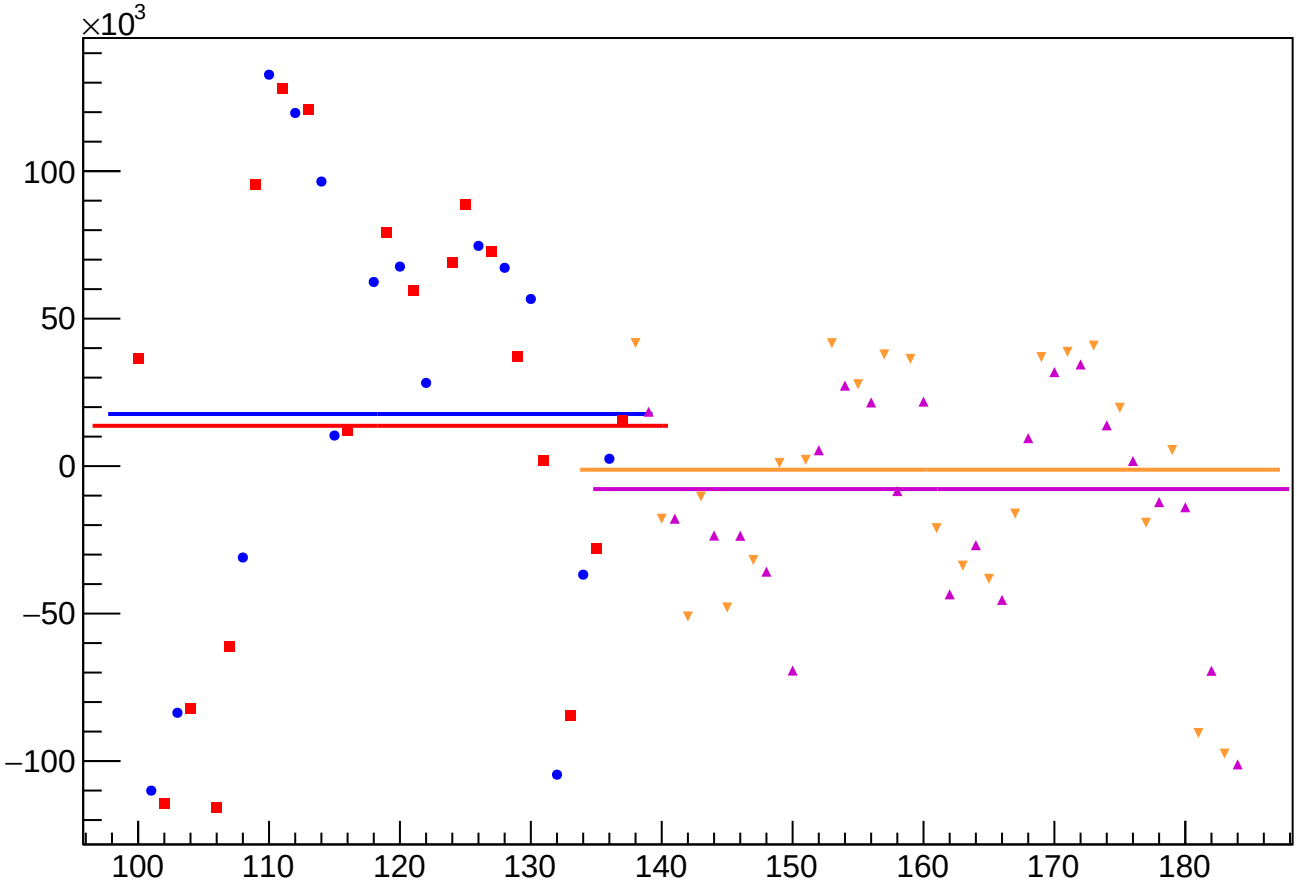
Left: 0.430+/-0.000 χ^2/NDF: 3983295.5/46

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.391+/-0.000 χ^2/NDF:4043865.3/38

Out: 0.389+/-0.000 χ^2/NDF:4165979.3/42

All: 0.390+/-0.000 χ^2/NDF: 8210324.1/81



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: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -4461.709+/-0.804 χ^2/NDF: 1924637761.8/46

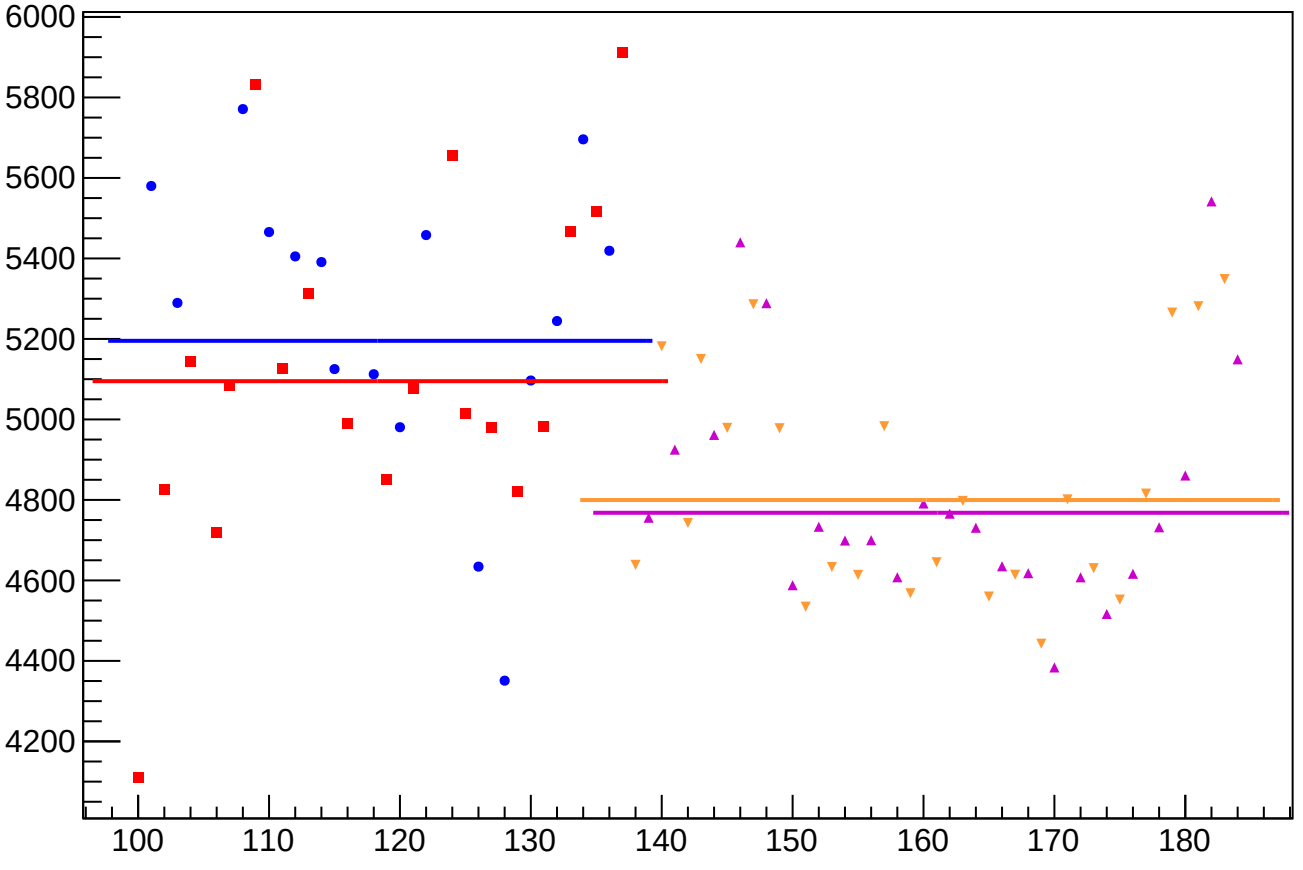
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: -1534.917+/-0.994 χ^2/NDF:2282722587.9/38

Out: 2594.602+/-0.974 χ^2/NDF:3046910426.4/42

All: 571.010+/-0.696 χ^2/NDF: 5338433788.9

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: 4768.055+/-0.809 χ^2/NDF:102355.5/22

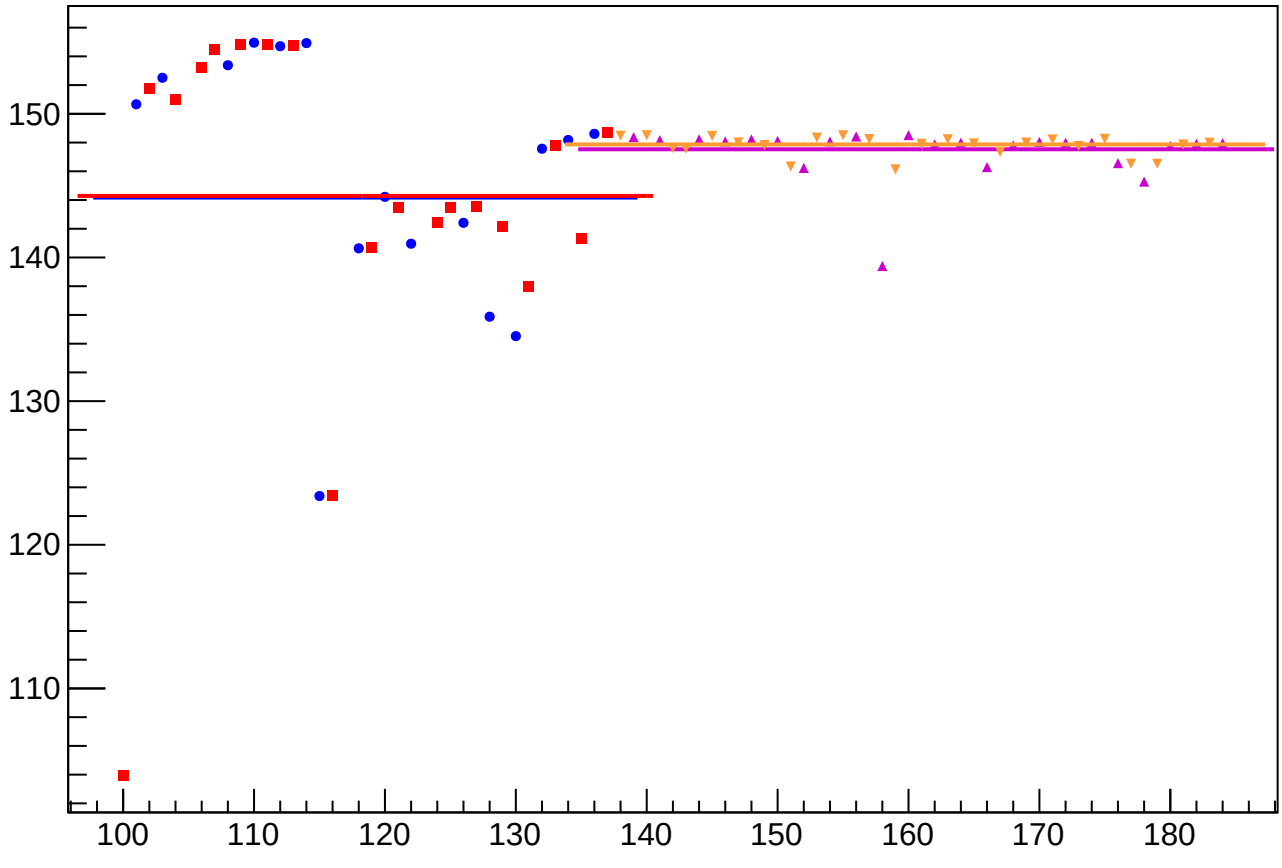
Left: 4784.072+/-0.569 χ^2/NDF: 216213.3/46

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4873.019+/-0.703 χ^2/NDF:247988.4/38

Out: 4875.371+/-0.689 χ^2/NDF:207219.3/42

All: 4874.218+/-0.492 χ^2/NDF: 455213.5/81



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: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.707+/-0.000 χ^2/NDF: 356971481.4/46

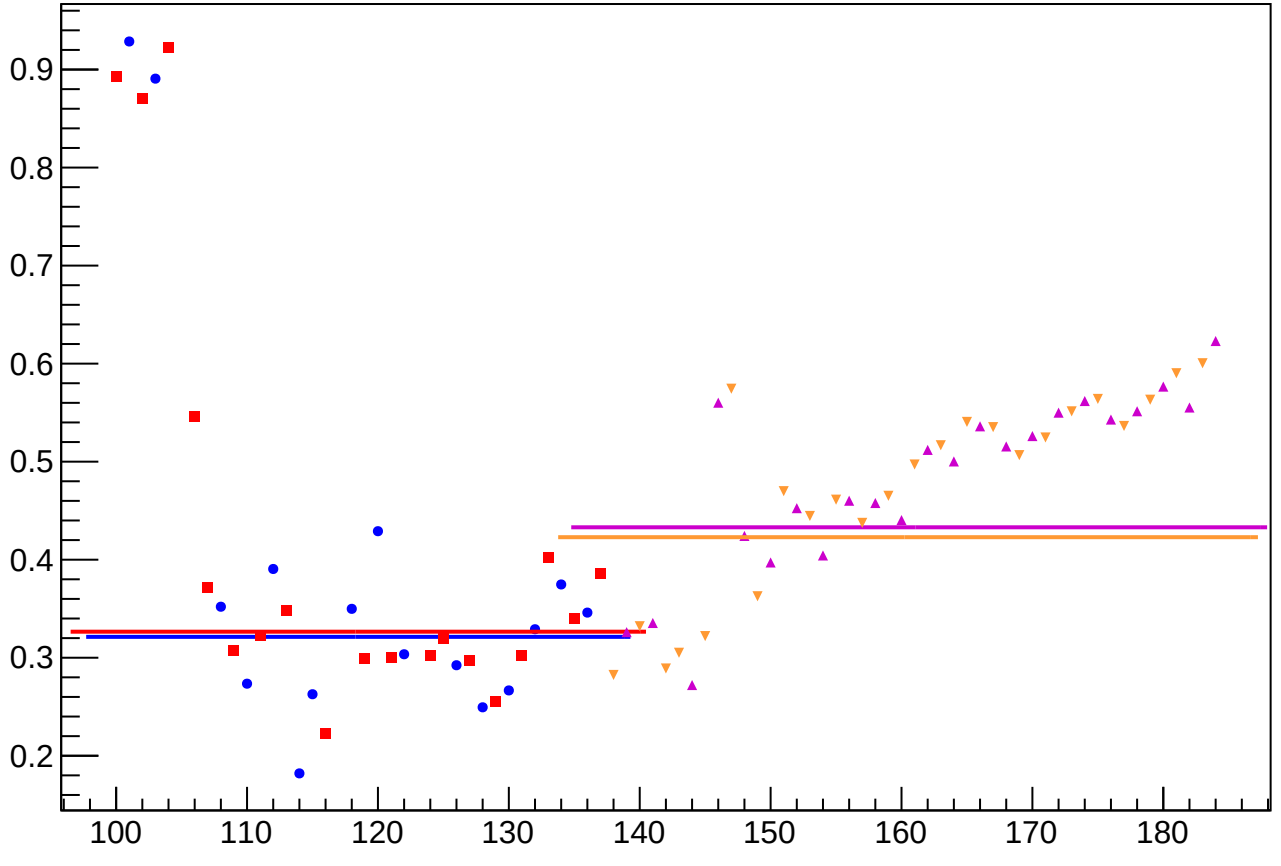
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 146.219+/-0.000 χ^2/NDF:4468578626.1/38

Out: 146.544+/-0.000 χ^2/NDF:4797039695.8/42

All: 146.386+/-0.000 χ^2/NDF: 9273589447.7

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.423+/-0.000 χ^2/NDF:2200279.7/23

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.428+/-0.000 χ^2/NDF: 3980953.0/46

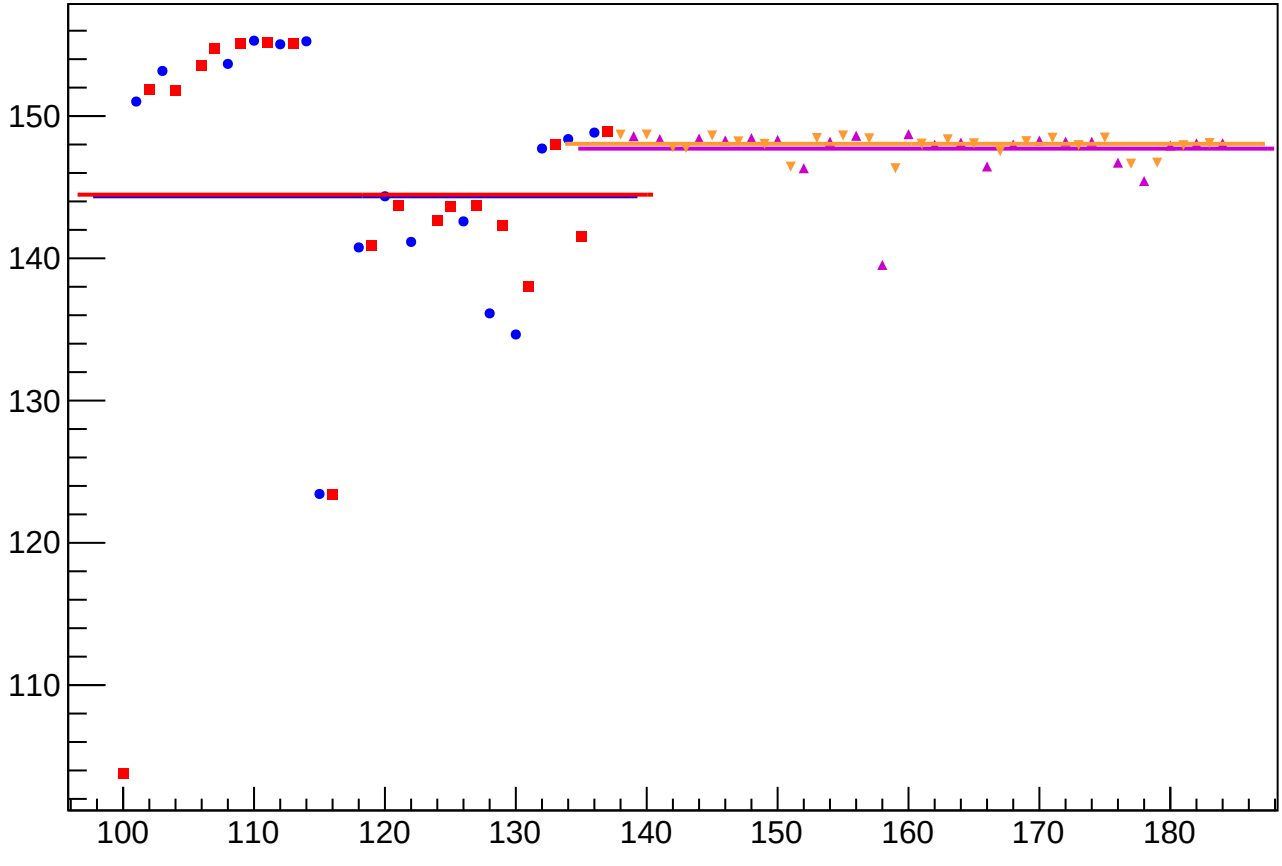
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.389+/-0.000 χ^2/NDF:4044892.2/38

Out: 0.387+/-0.000 χ^2/NDF:4172073.0/42

All: 0.388+/-0.000 χ^2/NDF: 8217632.3/81

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



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: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362068829.7/46

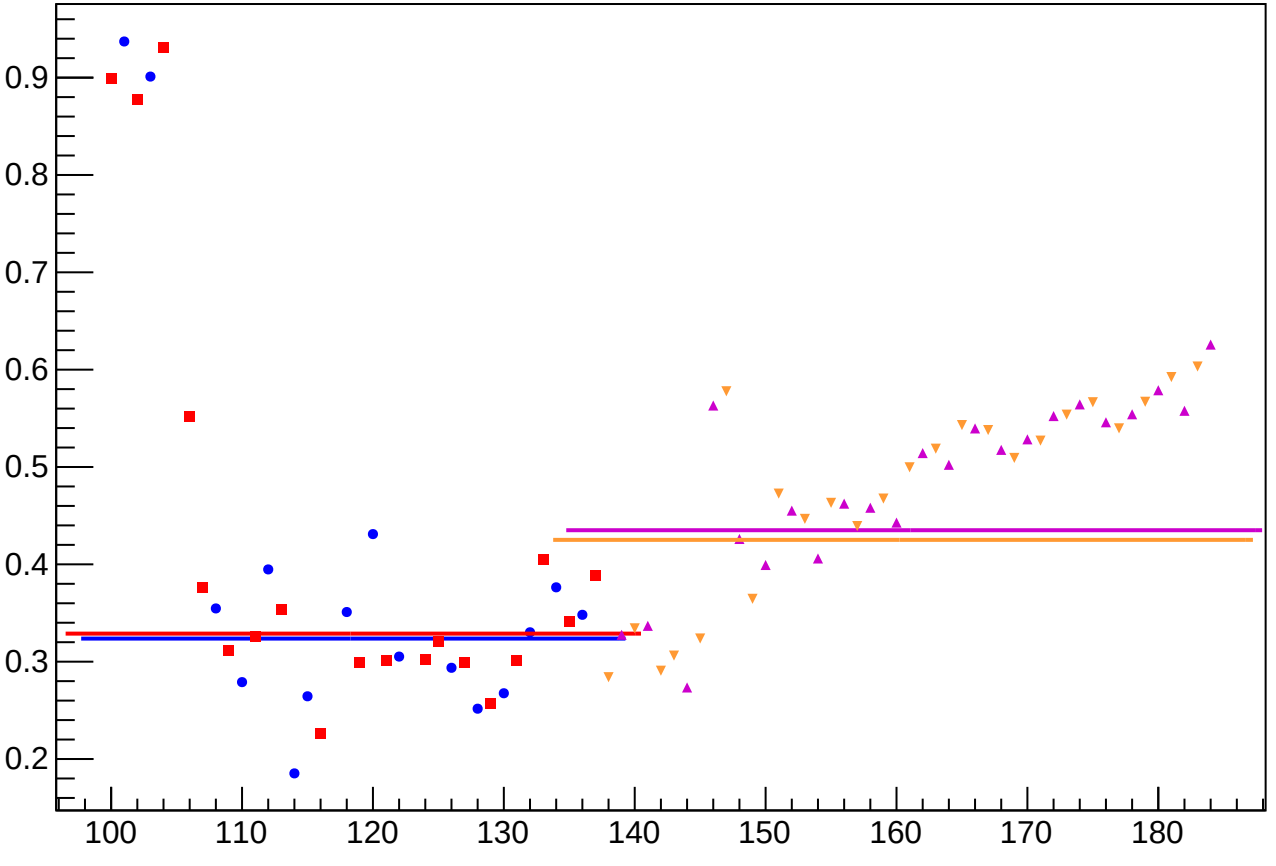
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.406+/-0.000 χ^2/NDF:4459755362.6/38

Out: 146.730+/-0.000 χ^2/NDF:4781388817.8/42

All: 146.572+/-0.000 χ^2/NDF: 9248965144.1

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: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.430+/-0.000 χ^2/NDF: 3975832.7/46

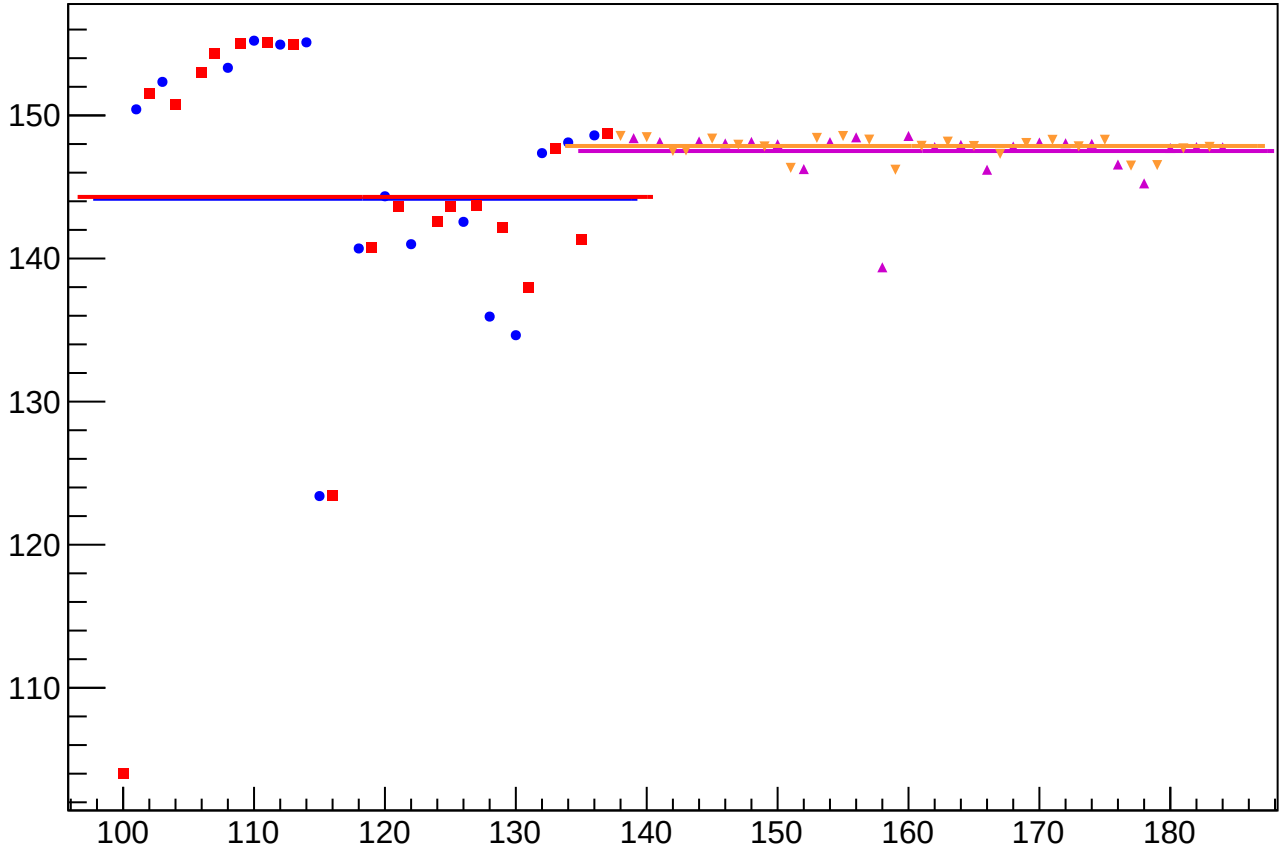
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.392+/-0.000 χ^2/NDF:4022255.6/38

Out: 0.390+/-0.000 χ^2/NDF:4160046.9/42

All: 0.391+/-0.000 χ^2/NDF: 8182972.7/81

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: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135322.8/46

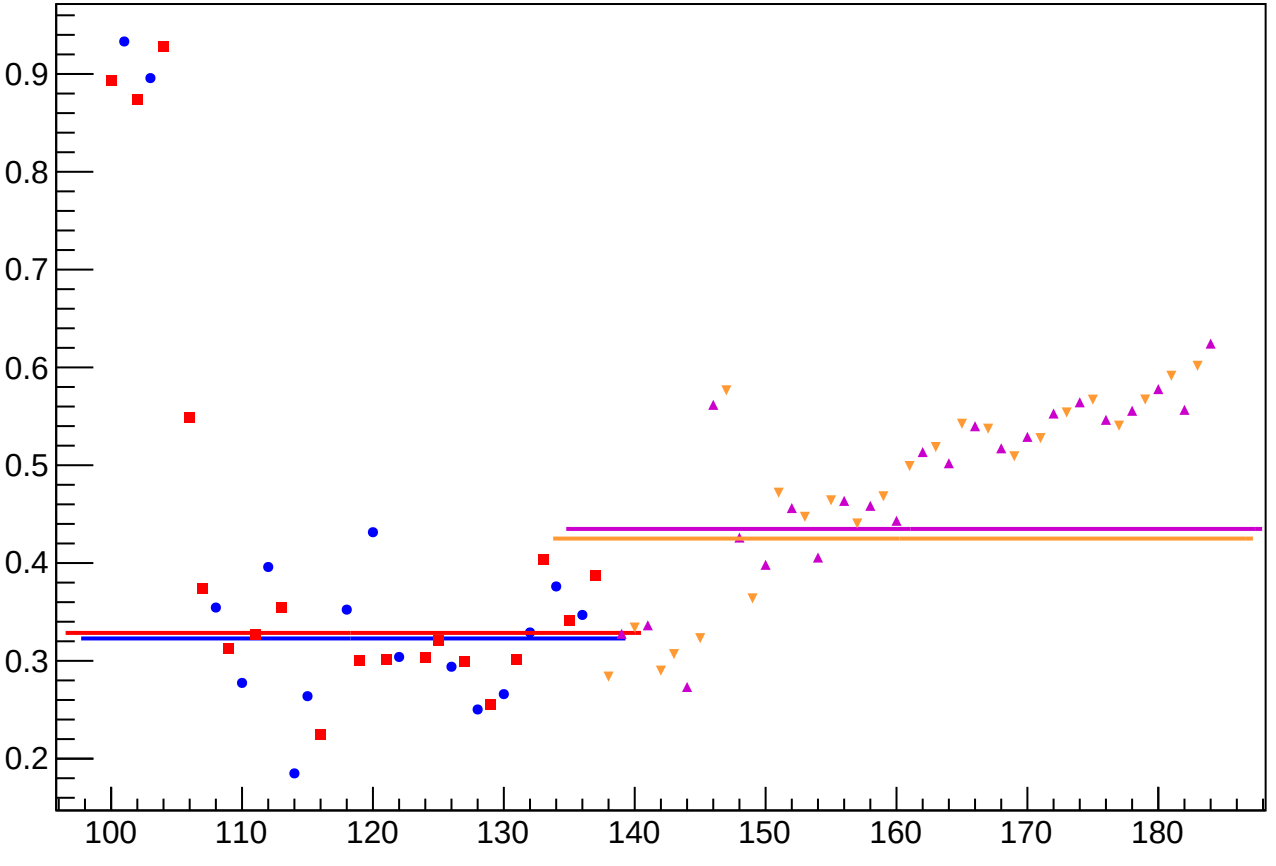
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.210+/-0.000 χ^2/NDF:4418208275.6/38

Out: 146.550+/-0.000 χ^2/NDF:4760890605.4/42

All: 146.384+/-0.000 χ^2/NDF: 9187752480.7

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: 0.435+/-0.000 χ^2/NDF:1774903.7/22

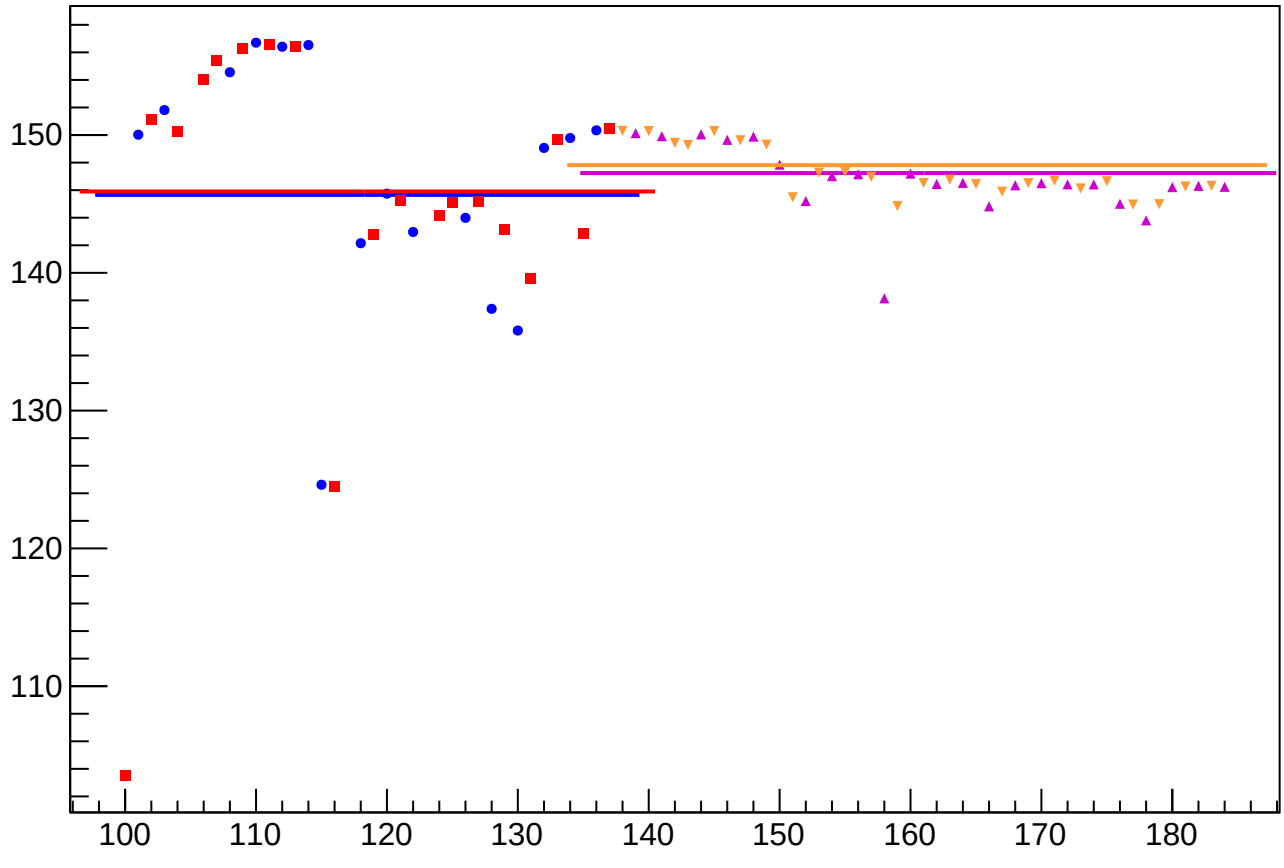
Left: 0.430+/-0.000 χ^2/NDF: 3983295.5/46

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.391+/-0.000 χ^2/NDF:4043865.3/38

Out: 0.389+/-0.000 χ^2/NDF:4165979.3/42

All: 0.390+/-0.000 χ^2/NDF: 8210324.1/81



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: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.538+/-0.000 χ^2/NDF: 958554269.1/46

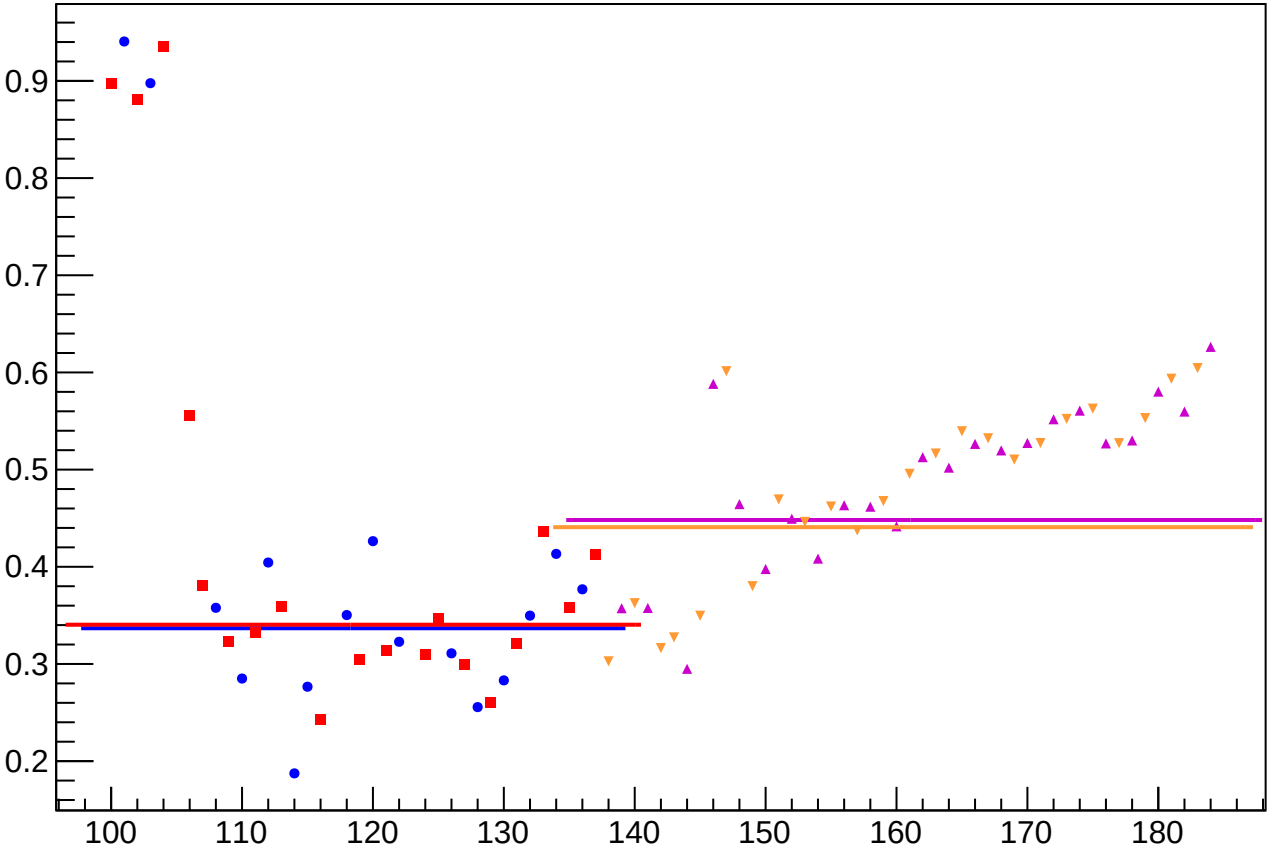
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.637+/-0.000 χ^2/NDF:4181561467.9/38

Out: 147.115+/-0.000 χ^2/NDF:4310002792.4/42

All: 146.881+/-0.000 χ^2/NDF: 8507622105.2

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: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.444+/-0.000 χ^2/NDF: 3004864.7/46

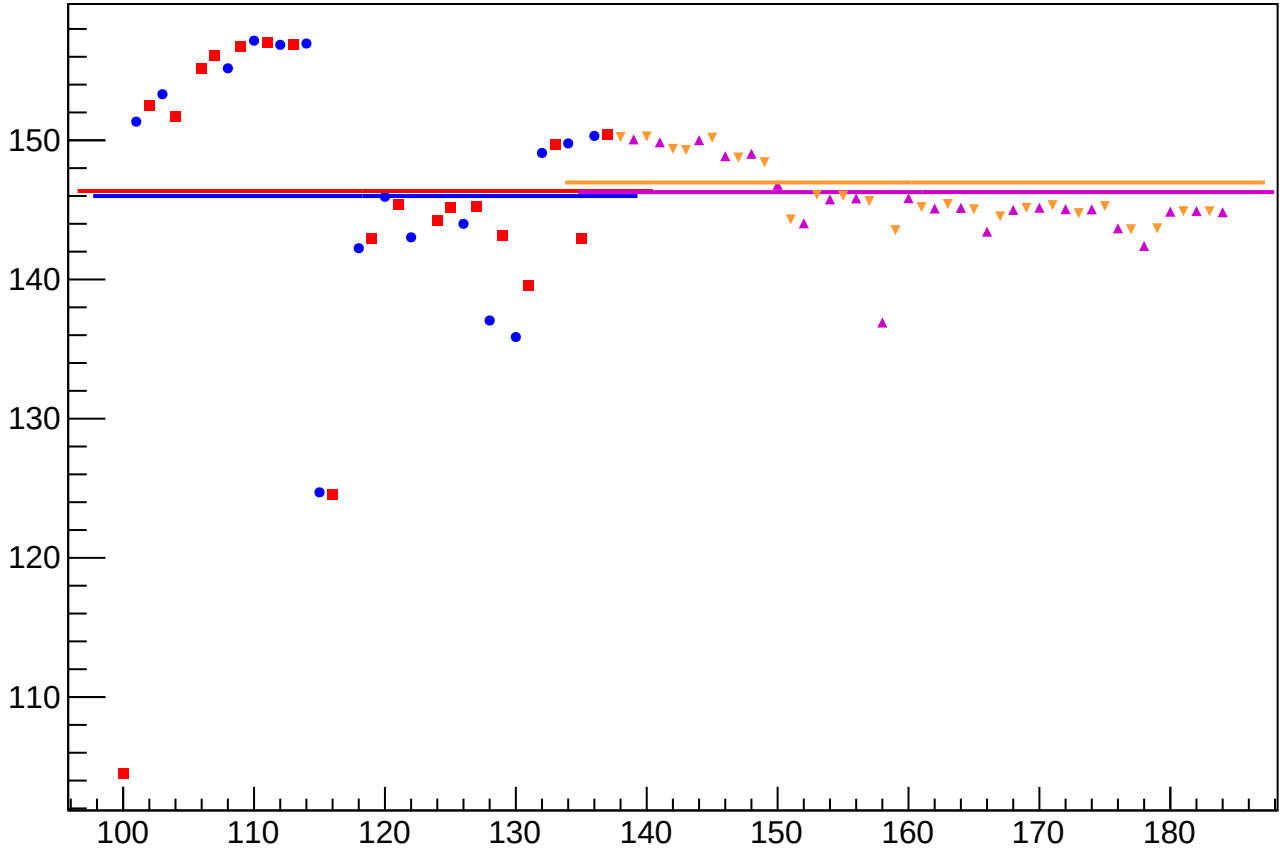
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.406+/-0.000 χ^2/NDF:3523328.0/38

Out: 0.404+/-0.000 χ^2/NDF:3598353.1/42

All: 0.405+/-0.000 χ^2/NDF: 7122075.3/81

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 146.971+/-0.000 χ^2/NDF:539693475.1/23

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.636+/-0.000 χ^2/NDF: 1385939887.0/46

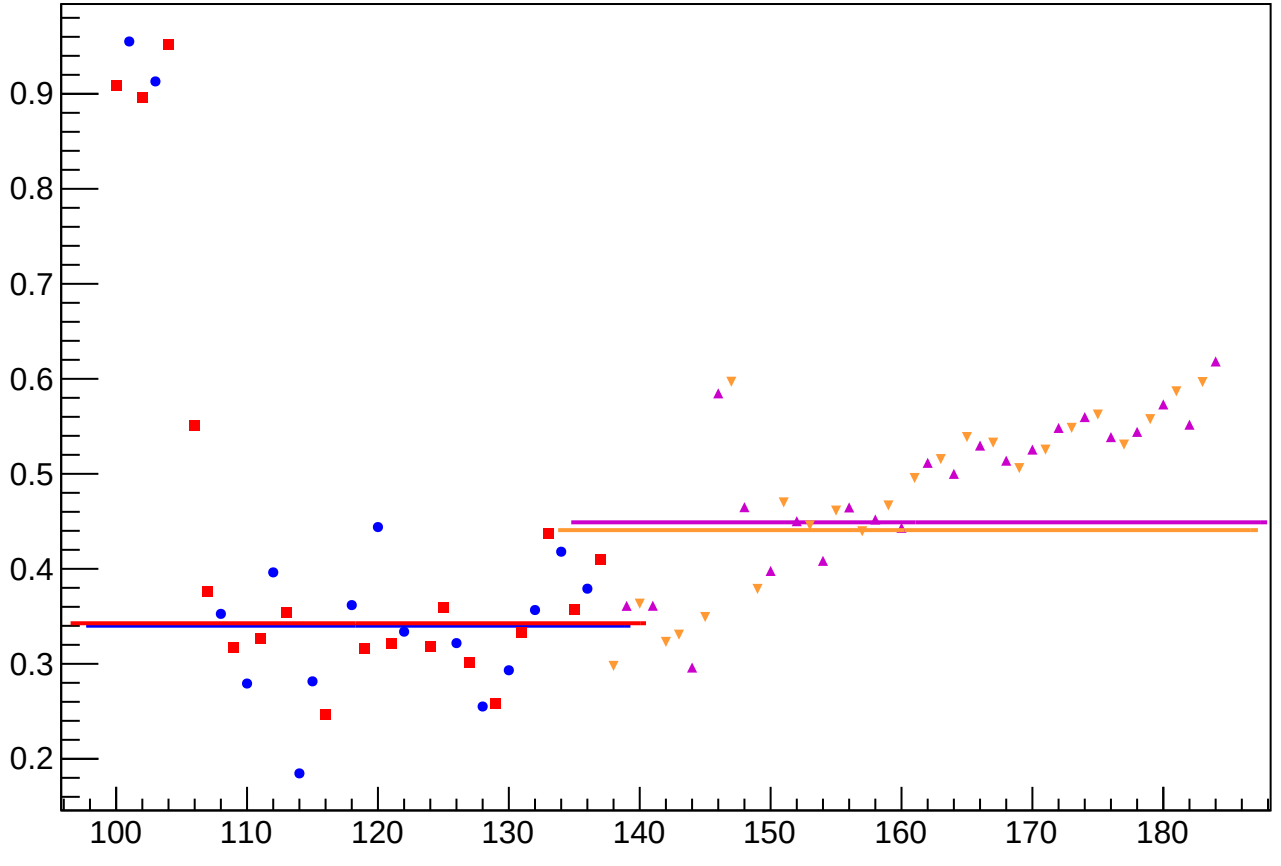
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.170+/-0.000 χ^2/NDF:4449391504.8/38

Out: 146.749+/-0.000 χ^2/NDF:4515197536.0/42

All: 146.466+/-0.000 χ^2/NDF: 8987873943.5

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: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2933836.5/46

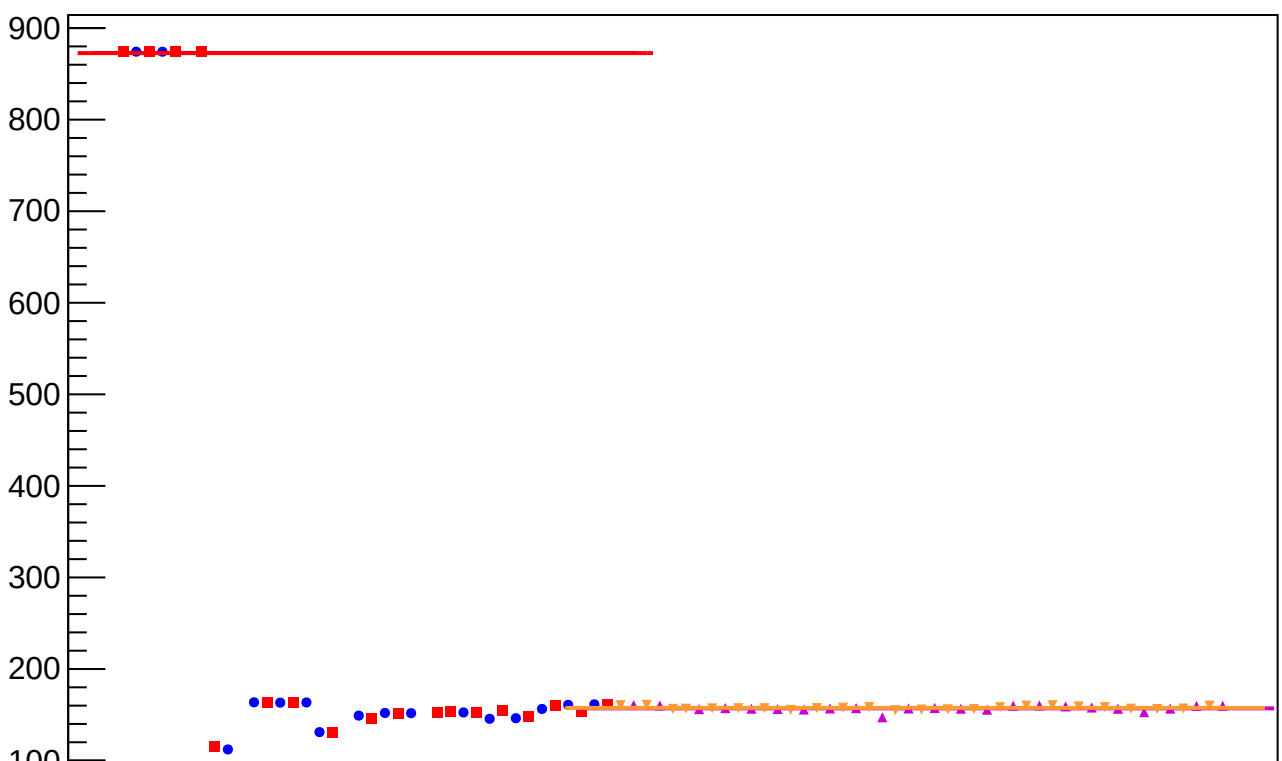
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.408+/-0.000 χ^2/NDF:3449972.6/38

Out: 0.405+/-0.000 χ^2/NDF:3531533.6/42

All: 0.407+/-0.000 χ^2/NDF: 6982601.8/81

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: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.280+/-0.000 χ^2/NDF: 347083573.6/46

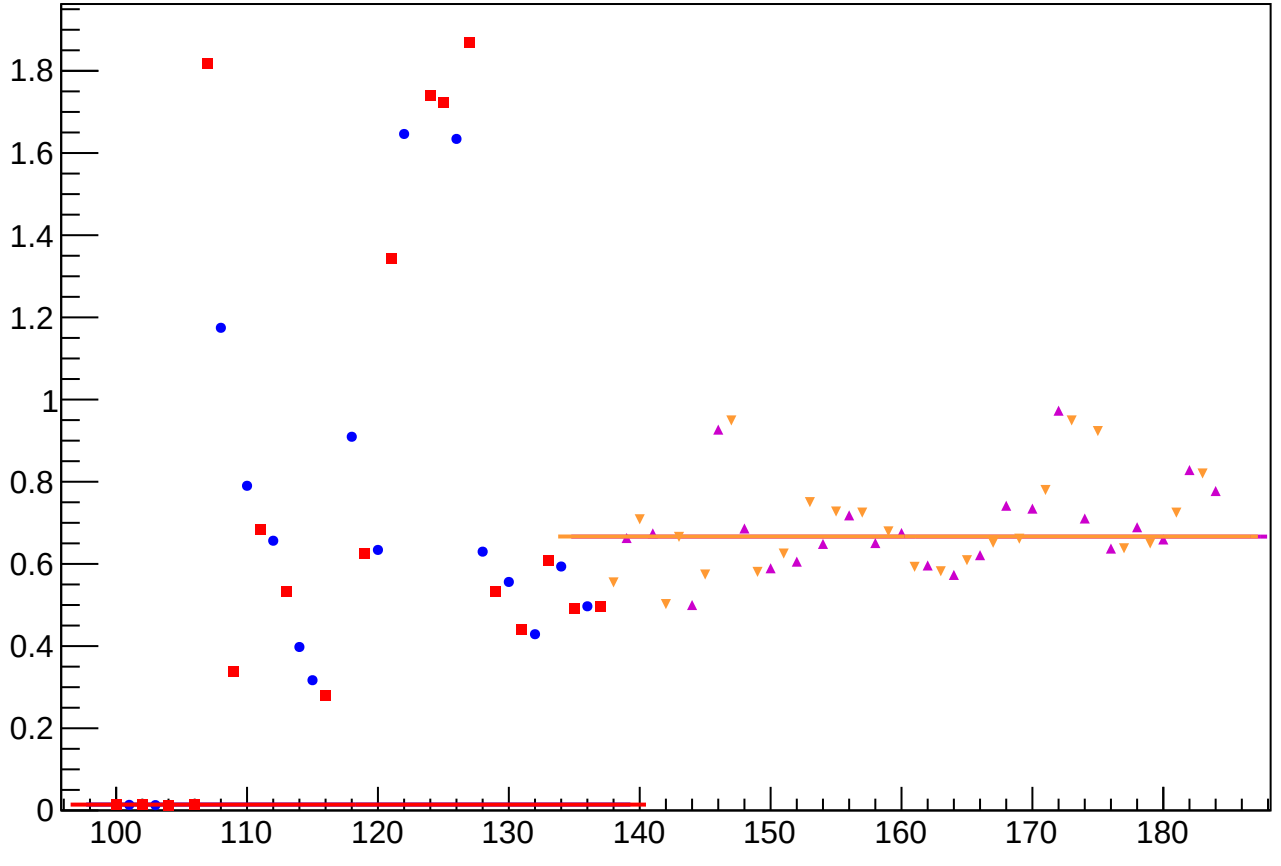
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 869.580+/-0.000 χ^2/NDF:23722214669725.5/3

Out: 869.774+/-0.000 χ^2/NDF:26203210490676.9

All: 869.684+/-0.000 χ^2/NDF: 499255682493

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: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1209539.6/46

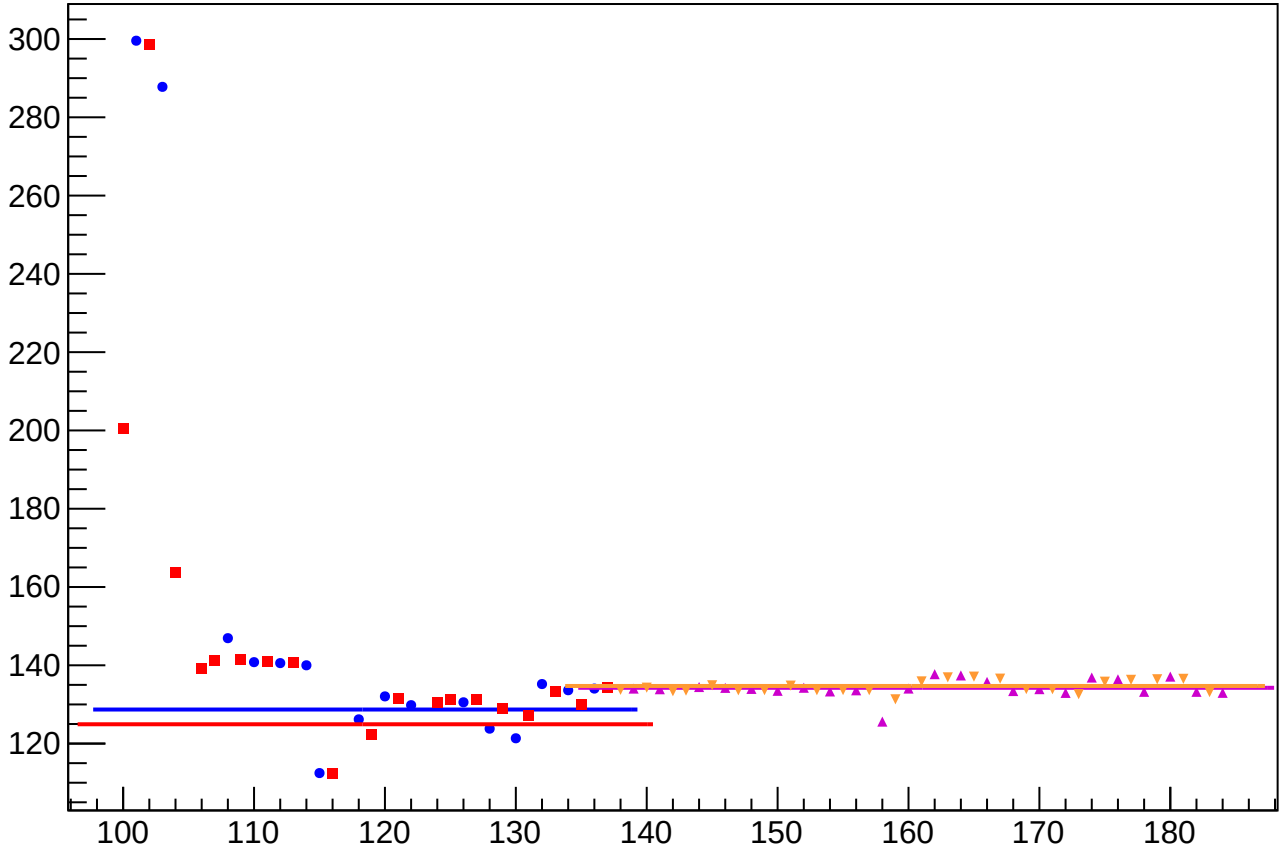
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.017+/-0.000 χ^2/NDF:37594537.4/38

Out: 0.017+/-0.000 χ^2/NDF:38445923.5/42

All: 0.017+/-0.000 χ^2/NDF: 76041985.5/81

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: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.496+/-0.000 χ^2/NDF: 607709226.5/46

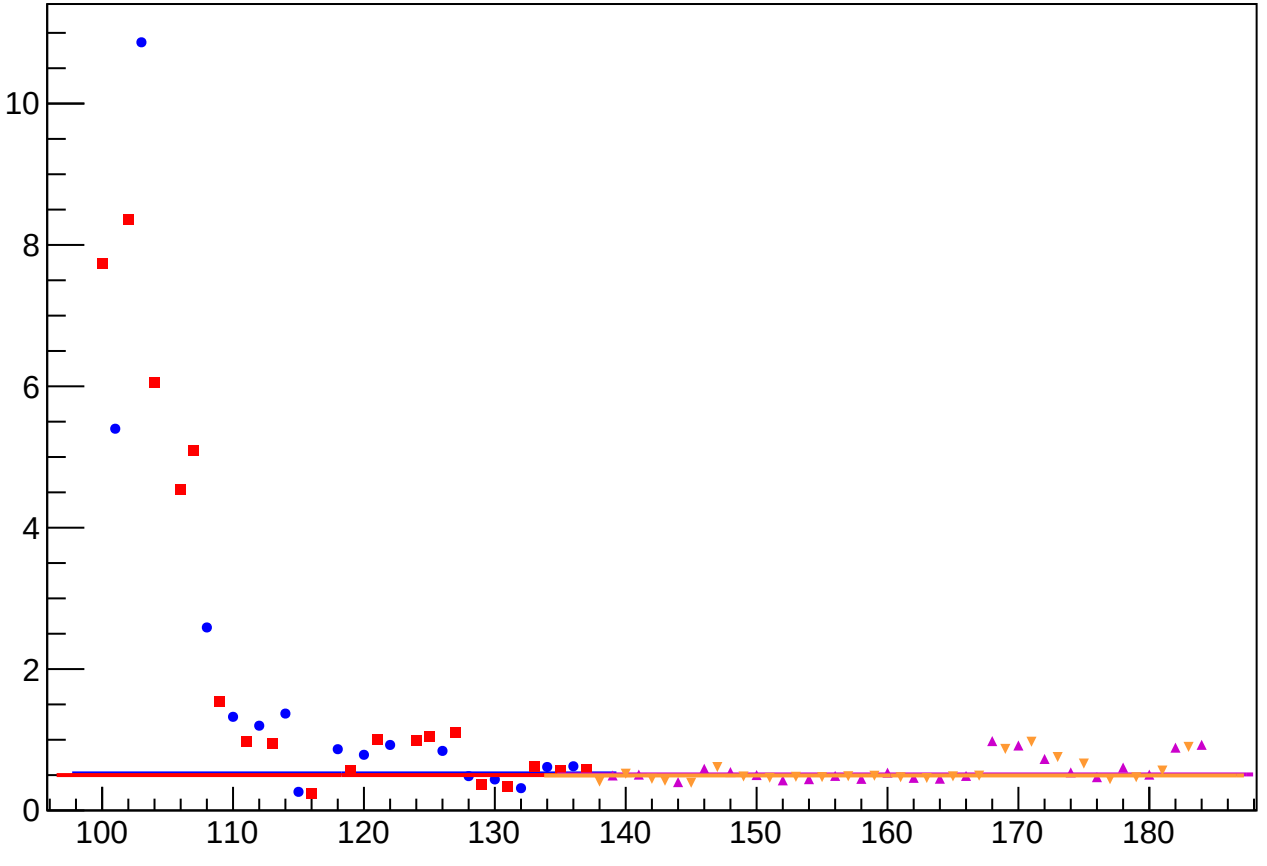
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 133.245+/-0.000 χ^2/NDF:2434747424.9/38

Out: 133.019+/-0.000 χ^2/NDF:2666810030.7/42

All: 133.127+/-0.000 χ^2/NDF: 5103524544.9

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: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.502+/-0.000 χ^2/NDF: 2960947.0/46

Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.512+/-0.000 χ^2/NDF:5628475.9/38

Out: 0.496+/-0.000 χ^2/NDF:6347186.7/42

All: 0.504+/-0.000 χ^2/NDF: 11995522.9/81

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: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315188327.2/46

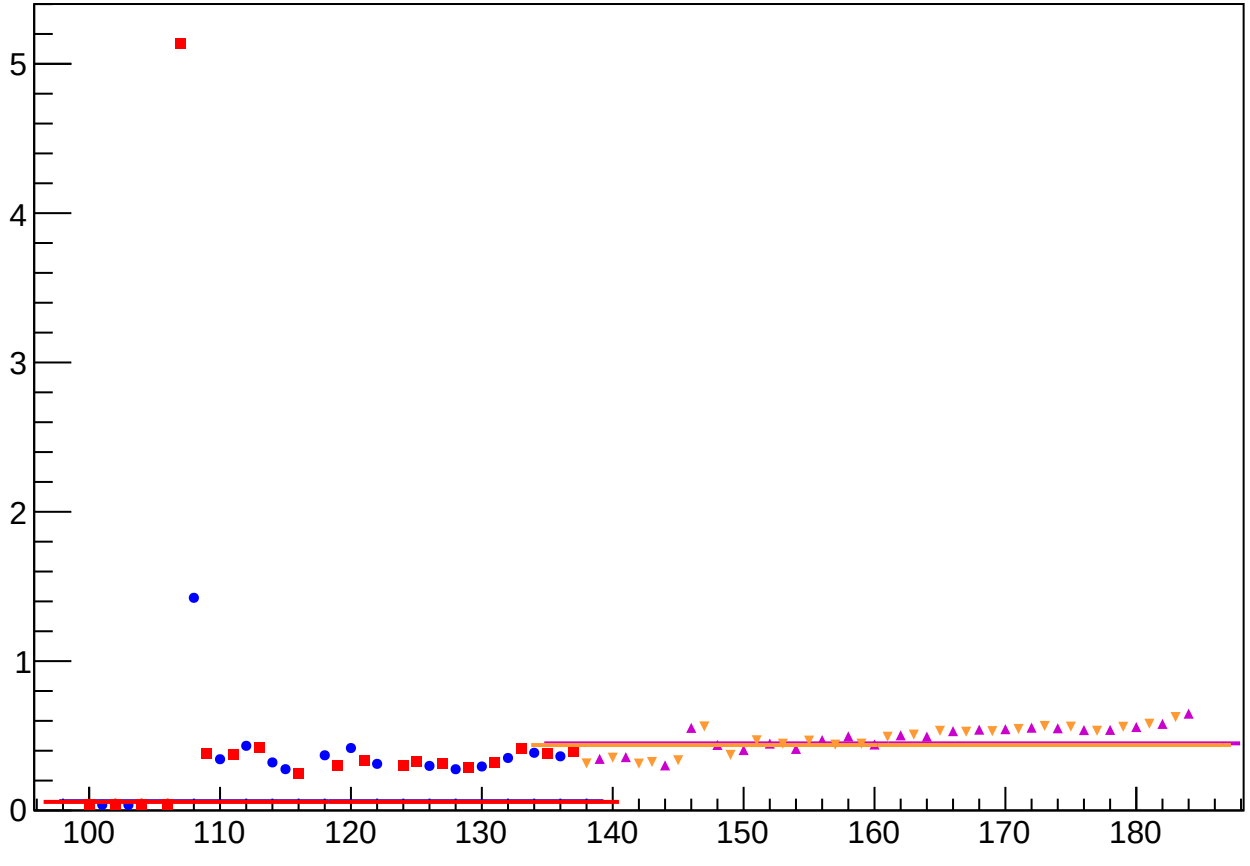
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1619.234+/-0.000 χ^2/NDF:360056019811035.

Out: 1655.639+/-0.000 χ^2/NDF:38485469454243

All: 1638.763+/-0.000 χ^2/NDF: 7453765374

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: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.443+/-0.000 χ^2/NDF: 3057421.1/46

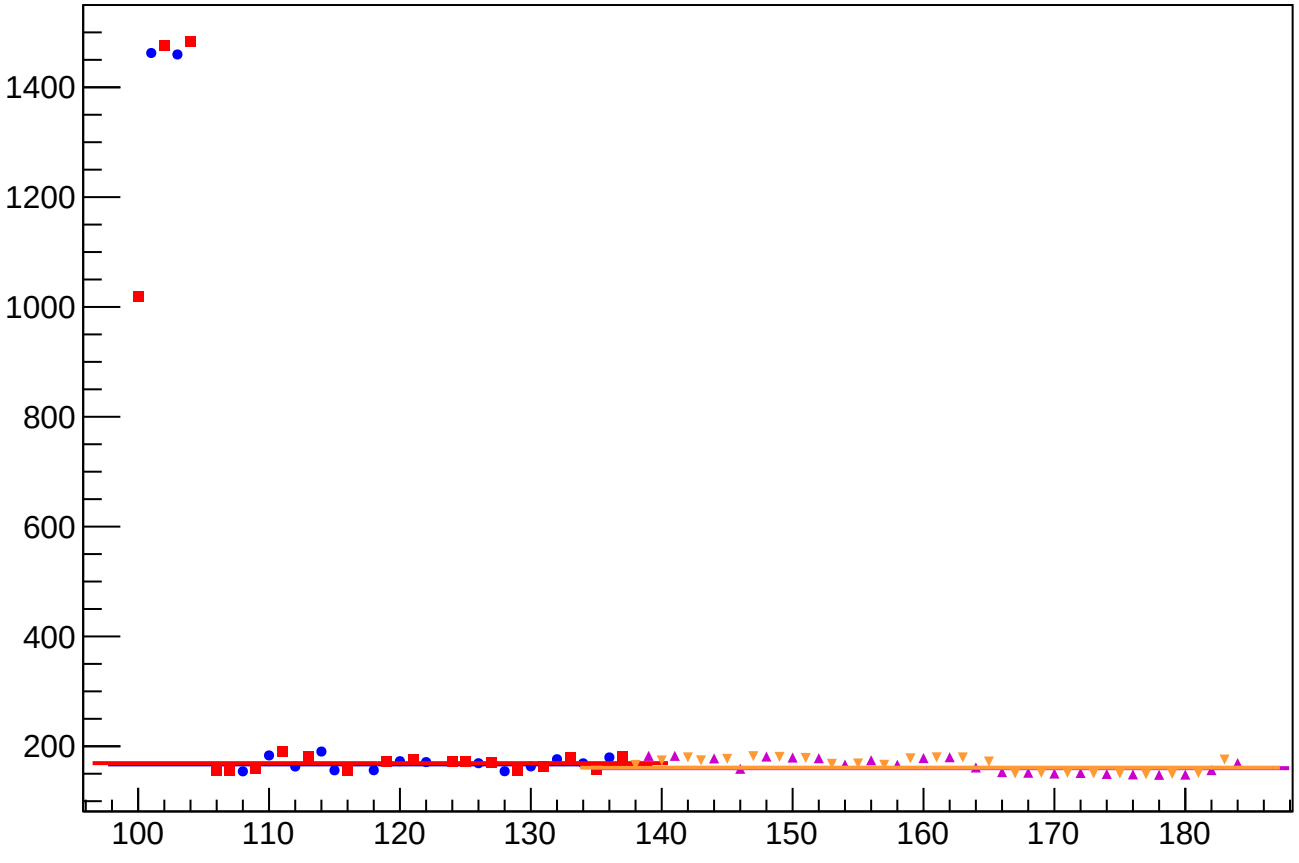
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.112+/-0.000 χ^2/NDF:31702192.7/38

Out: 0.104+/-0.000 χ^2/NDF:32955210.9/42

All: 0.107+/-0.000 χ^2/NDF: 64706286.7/81

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: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.621+/-0.000 χ^2/NDF: 7457630050.1/46

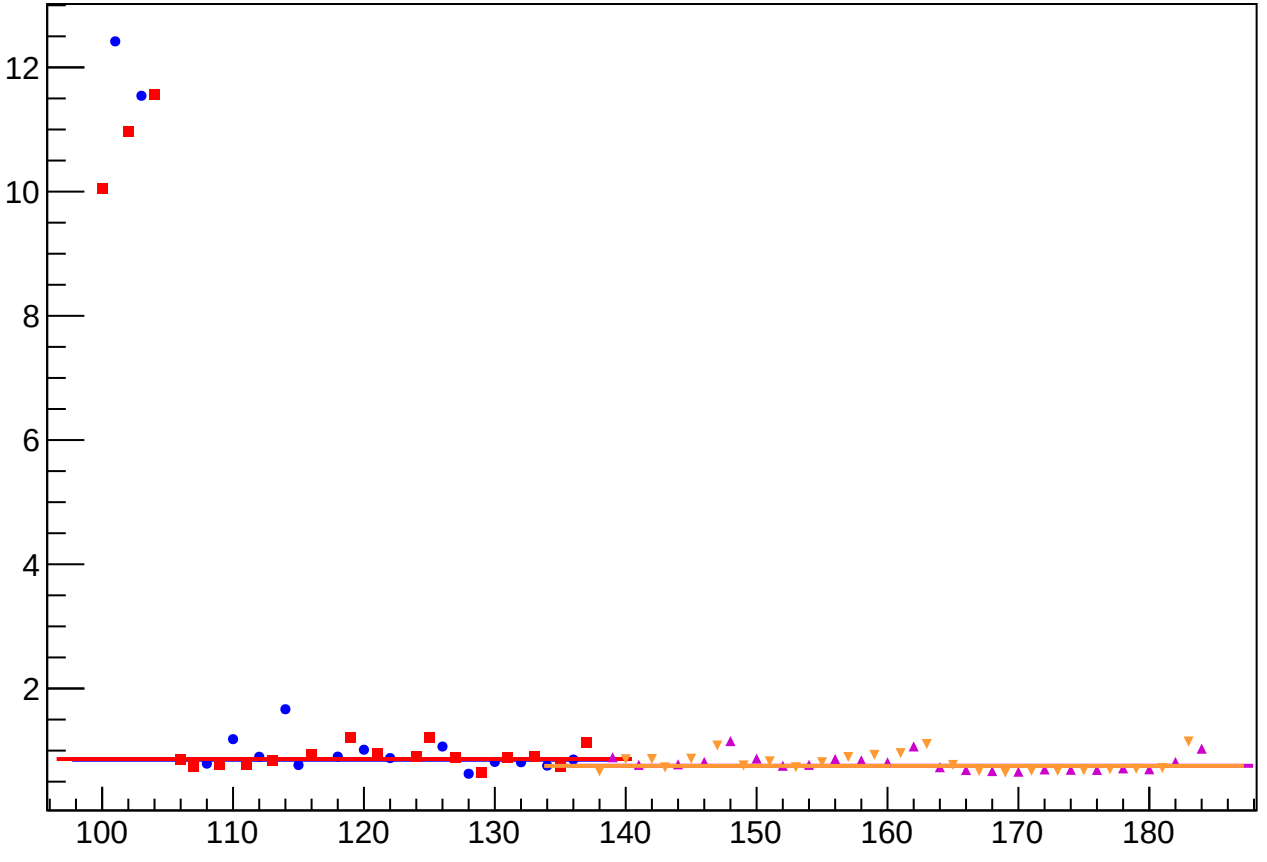
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 161.400+/-0.000 χ^2/NDF:18557898074.3/38

Out: 162.576+/-0.000 χ^2/NDF:20323506458.9/42

All: 161.998+/-0.000 χ^2/NDF: 38901698070.

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: 0.755+/-0.000 χ^2/NDF:472792.1/22

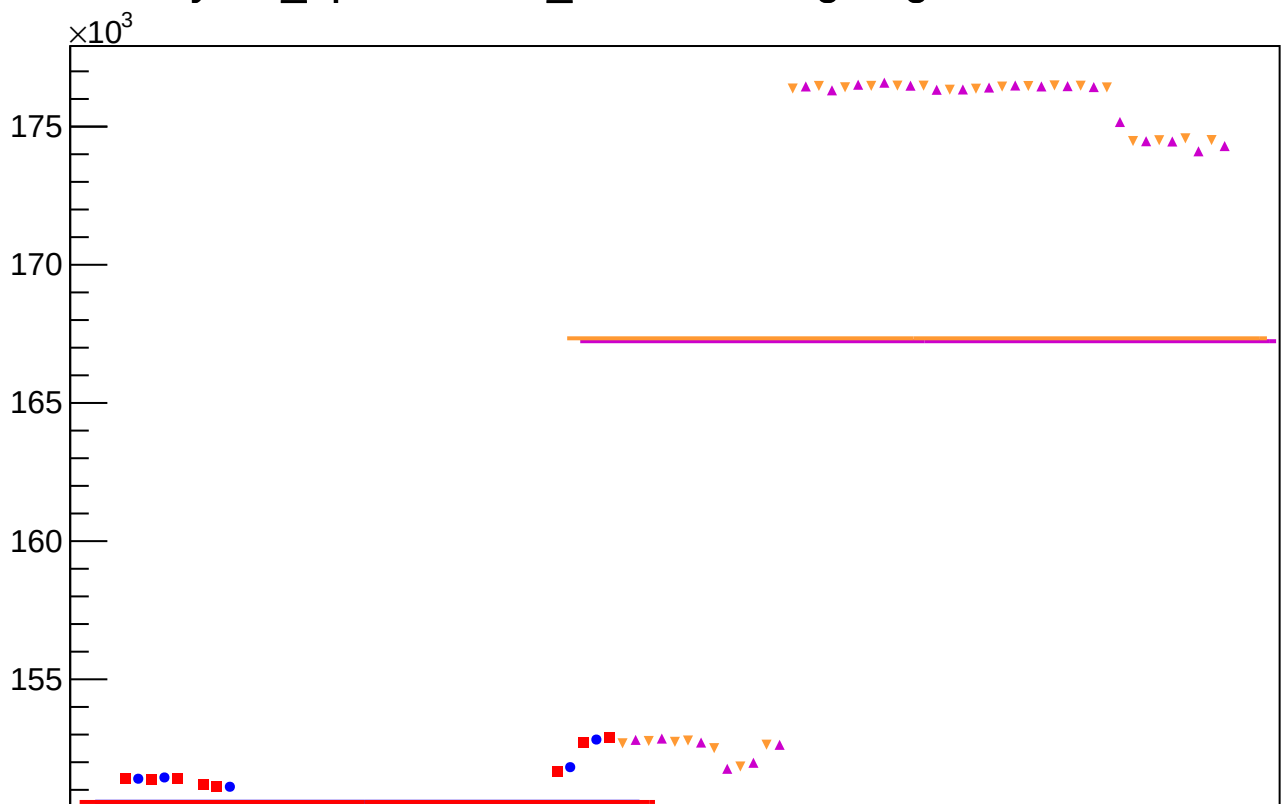
Left: 0.755+/-0.000 χ^2/NDF: 1130256.0/46

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.773+/-0.000 χ^2/NDF:2857350.8/38

Out: 0.774+/-0.000 χ^2/NDF:2975193.0/42

All: 0.774+/-0.000 χ^2/NDF: 5832559.1/81



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: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167288.887+/-0.034 χ^2/NDF: 114551097520.

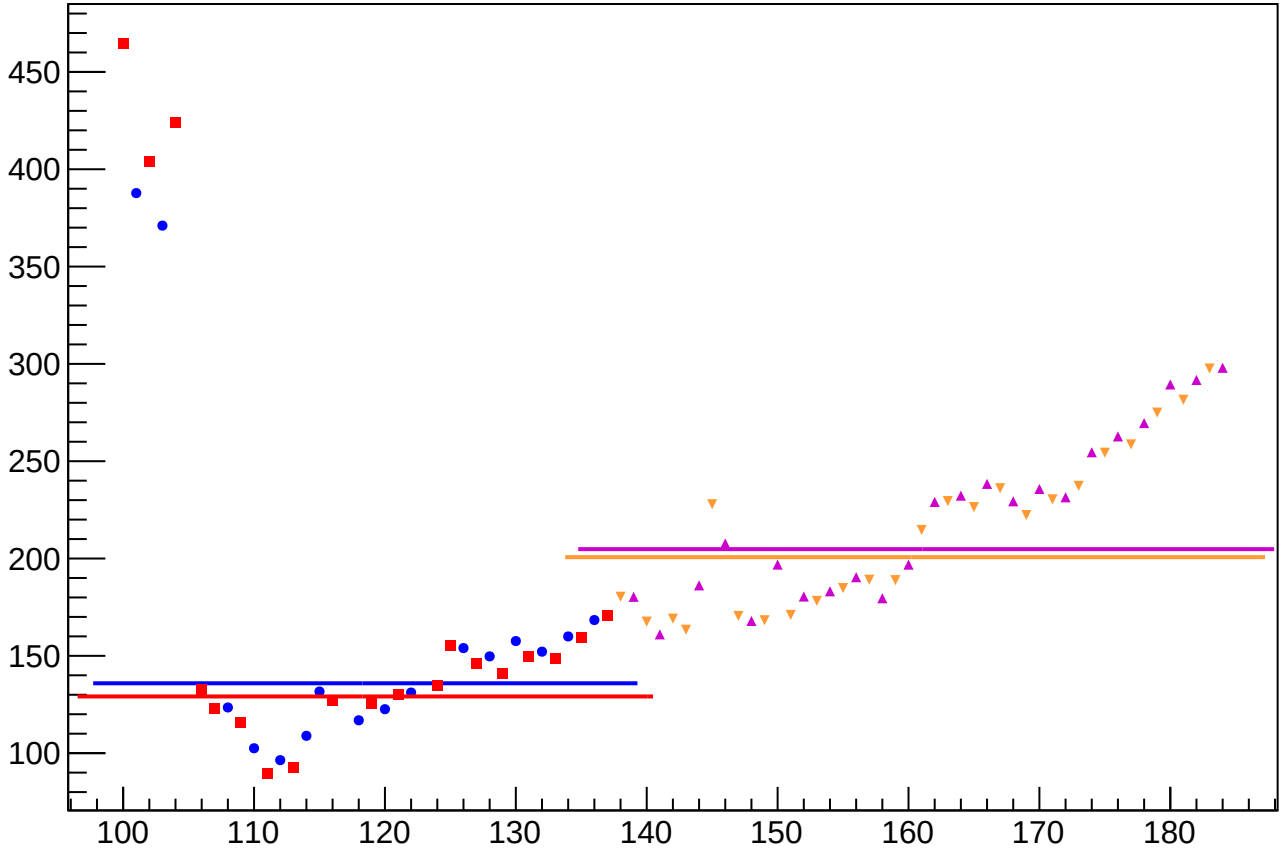
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159823.075+/-0.036 χ^2/NDF:107051357962.8

Out: 159652.077+/-0.035 χ^2/NDF:118325909096.

All: 159732.979+/-0.025 χ^2/NDF: 22538883

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: 204.826+/-0.035 χ^2/NDF:1053130.7/22

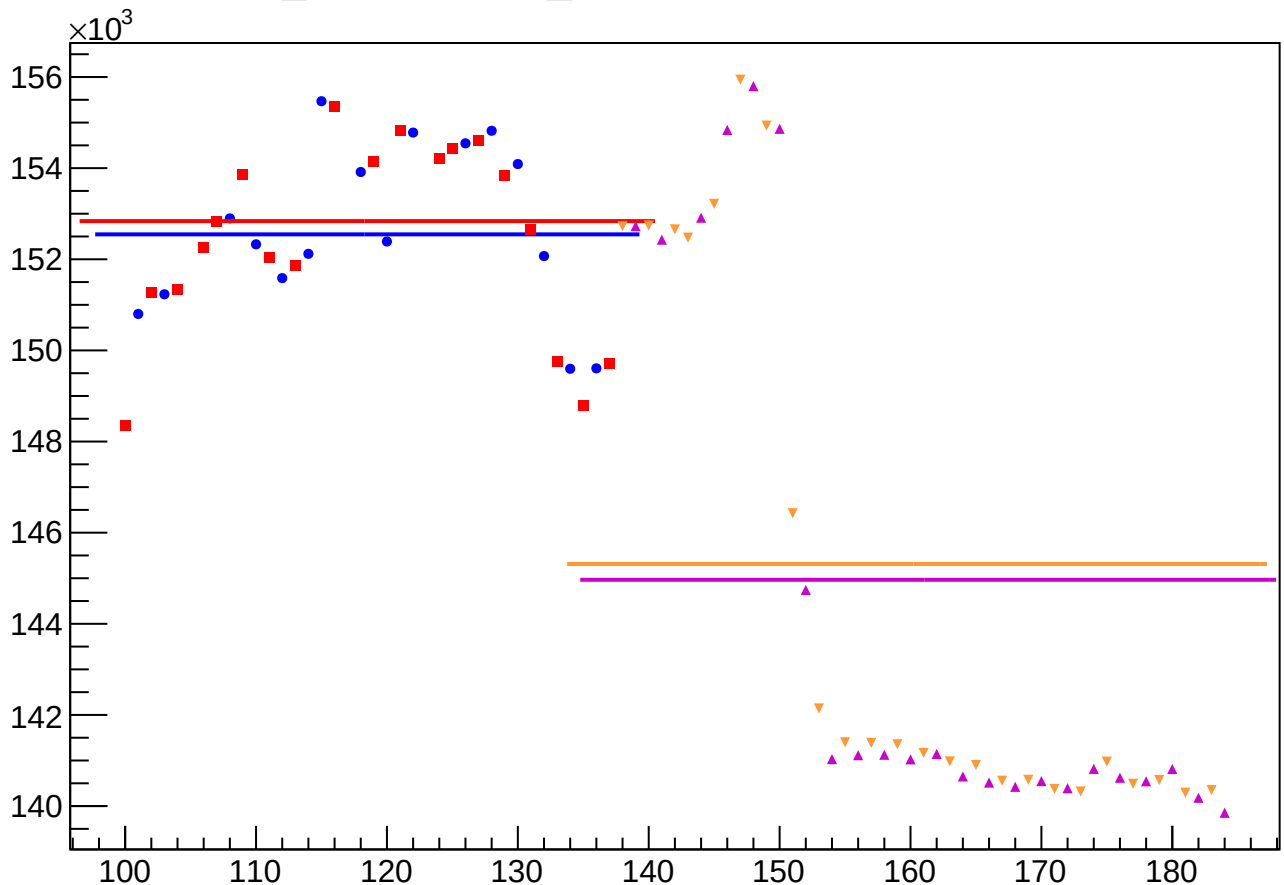
Left: 202.682+/-0.024 χ^2/NDF: 2236164.3/46

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 174.173+/-0.026 χ^2/NDF:4238833.6/38

Out: 167.913+/-0.024 χ^2/NDF:4925998.3/42

All: 170.875+/-0.018 χ^2/NDF: 9195970.6/81



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: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145145.160+/-0.036 χ^2/NDF: 26791277981.4

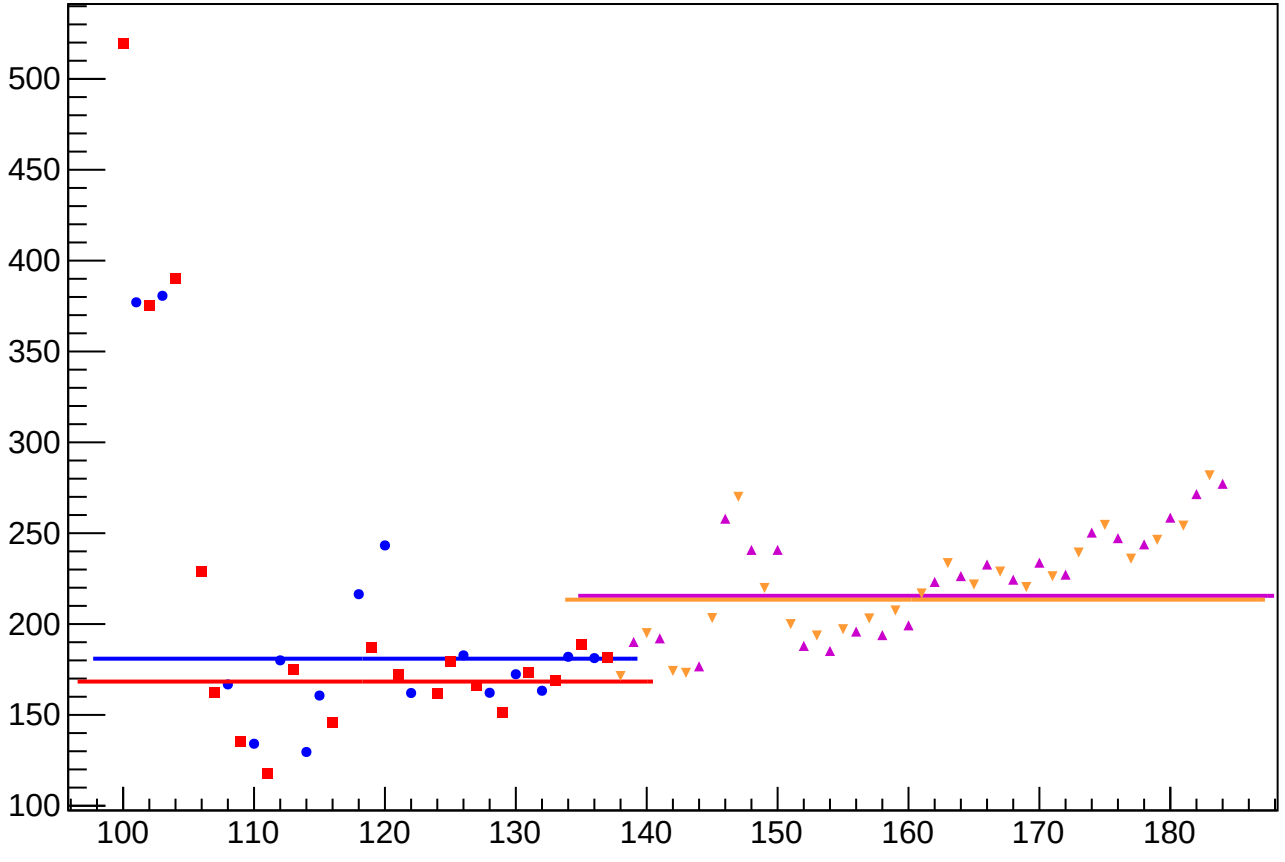
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 147483.877+/-0.042 χ^2/NDF:21087752769.3/3

Out: 147993.538+/-0.040 χ^2/NDF:22553832993.6

All: 147751.562+/-0.029 χ^2/NDF: 43719493

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: 215.539+/-0.036 χ^2/NDF:600575.7/22

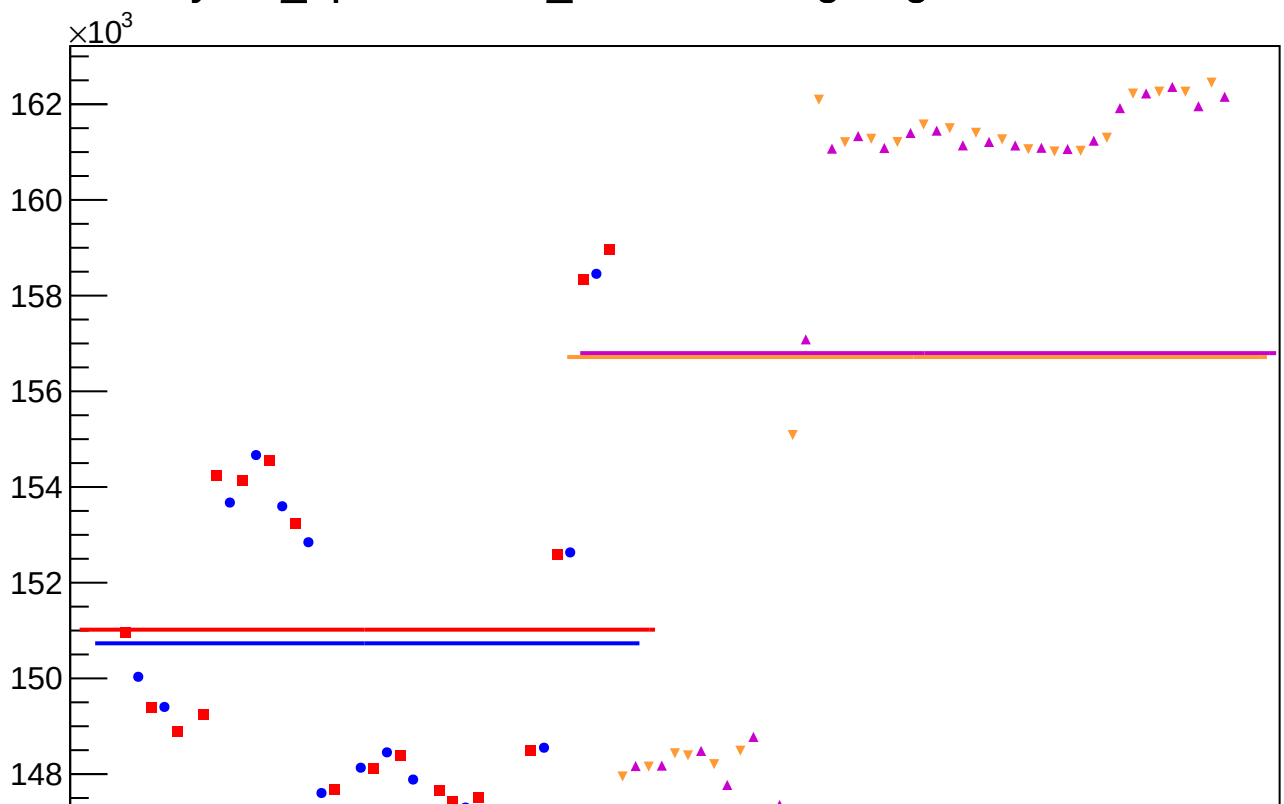
Left: 214.442+/-0.025 χ^2/NDF: 1223855.8/46

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 204.048+/-0.030 χ^2/NDF:1811612.1/38

Out: 197.360+/-0.028 χ^2/NDF:2299038.3/42

All: 200.535+/-0.020 χ^2/NDF: 4137478.4/81



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: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156755.264+/-0.035 χ^2/NDF: 30635282266.4

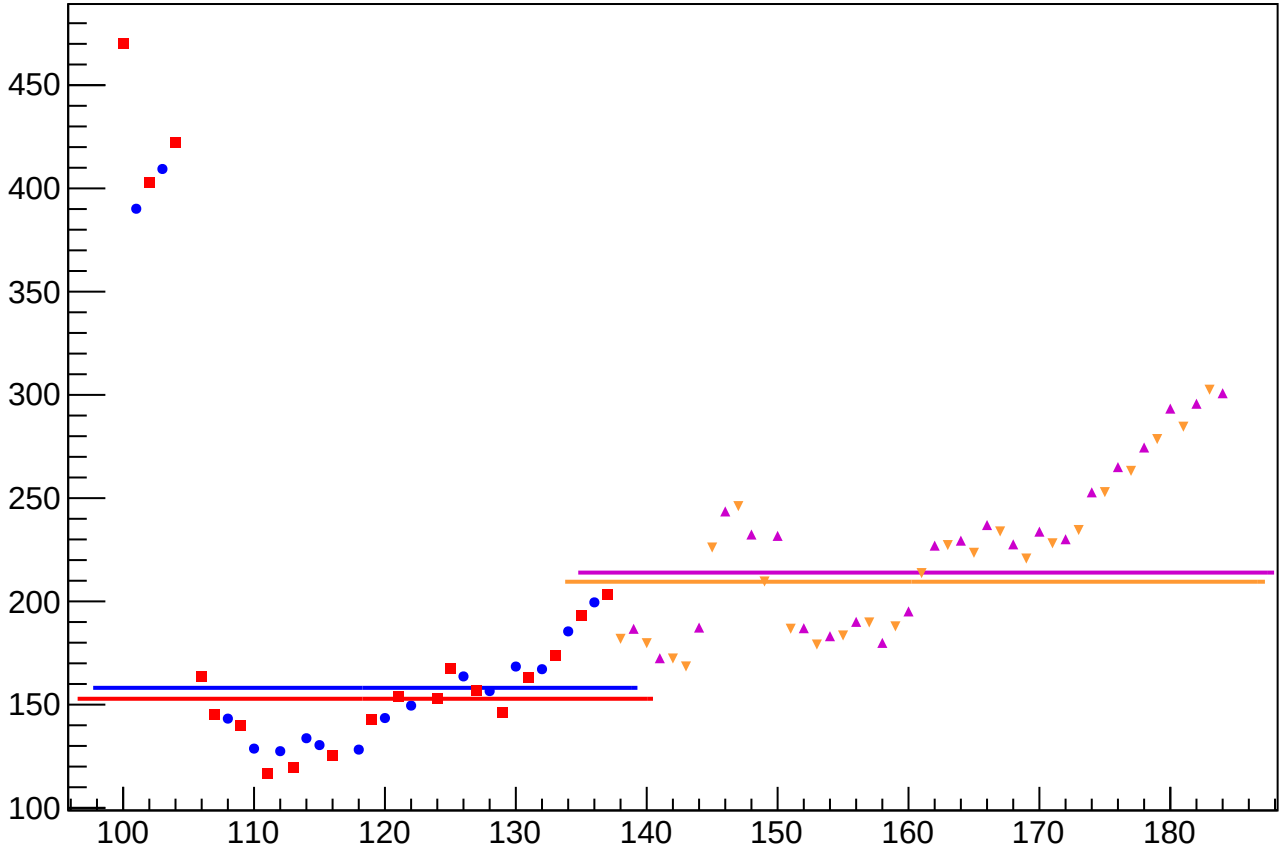
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 154395.148+/-0.040 χ^2/NDF:23241356541.9/3

Out: 154449.967+/-0.038 χ^2/NDF:24996719535.8

All: 154423.771+/-0.027 χ^2/NDF: 48239077

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: 213.945+/-0.036 χ^2/NDF:914465.3/22

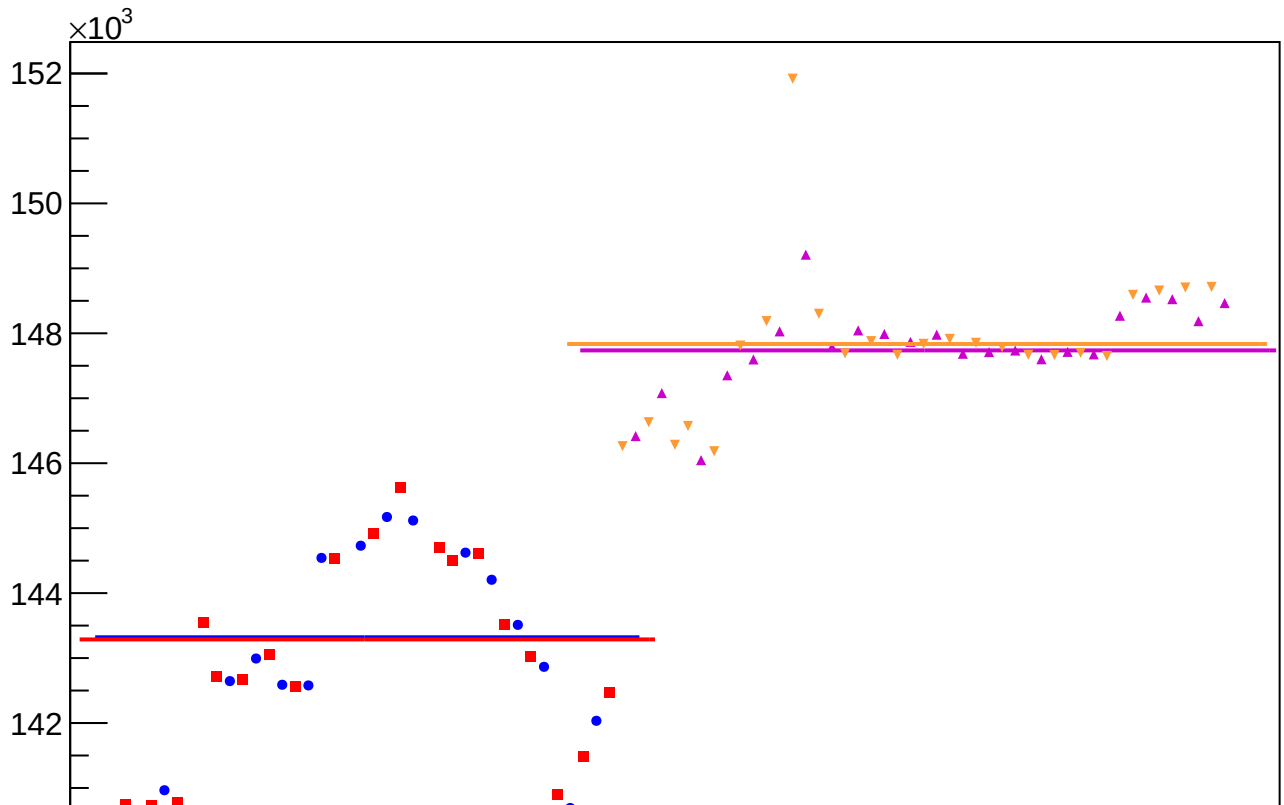
Left: 211.638+/-0.025 χ^2/NDF: 1872017.5/46

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 191.834+/-0.028 χ^2/NDF:3060816.6/38

Out: 186.978+/-0.027 χ^2/NDF:3286862.2/42

All: 189.298+/-0.019 χ^2/NDF: 6363390.7/81



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: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147788.041+/-0.033 χ^2/NDF: 939192006.1/46

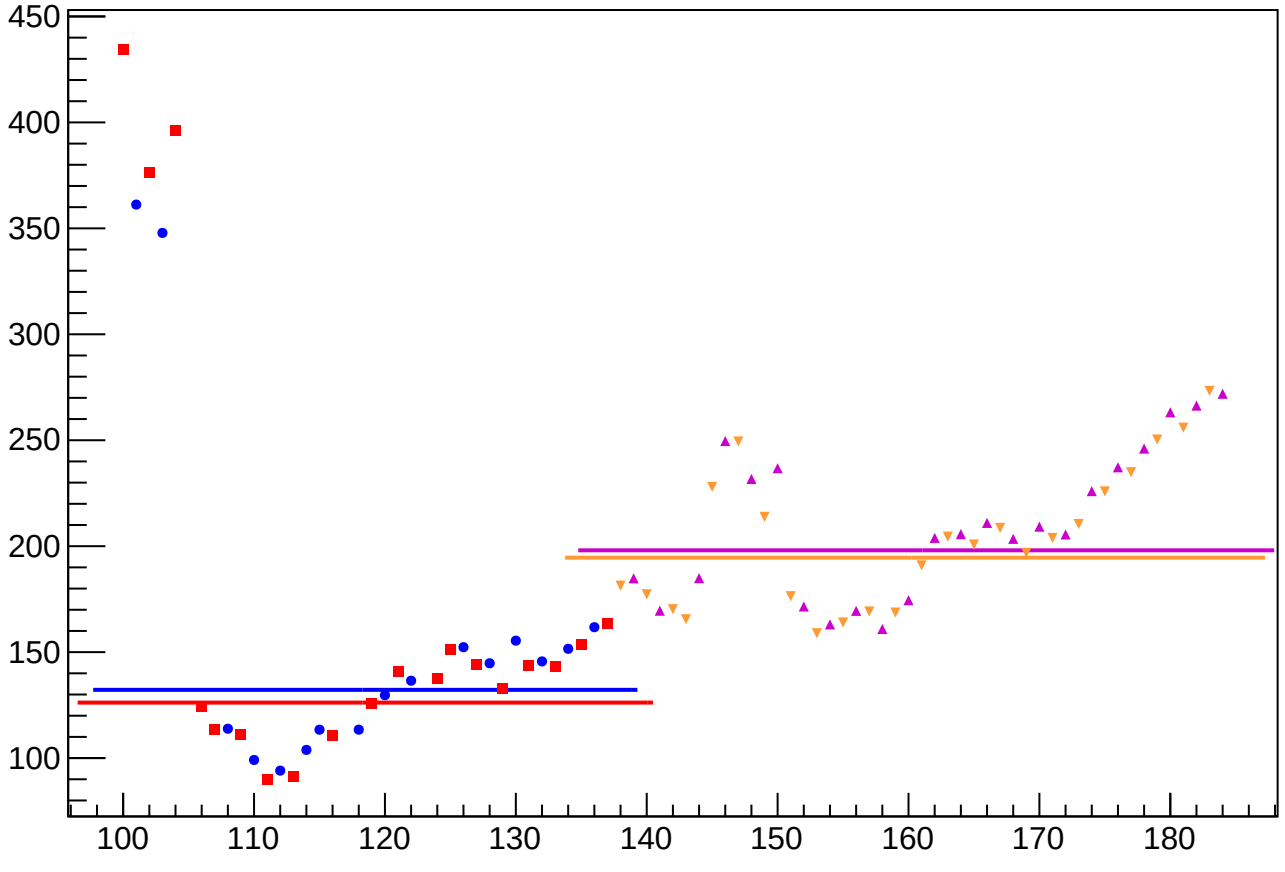
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145788.885+/-0.035 χ^2/NDF:4651029536.2/38

Out: 145772.127+/-0.033 χ^2/NDF:5905233123.1/4

All: 145780.067+/-0.024 χ^2/NDF: 10556381

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: 198.057+/-0.033 χ^2/NDF:900359.1/22

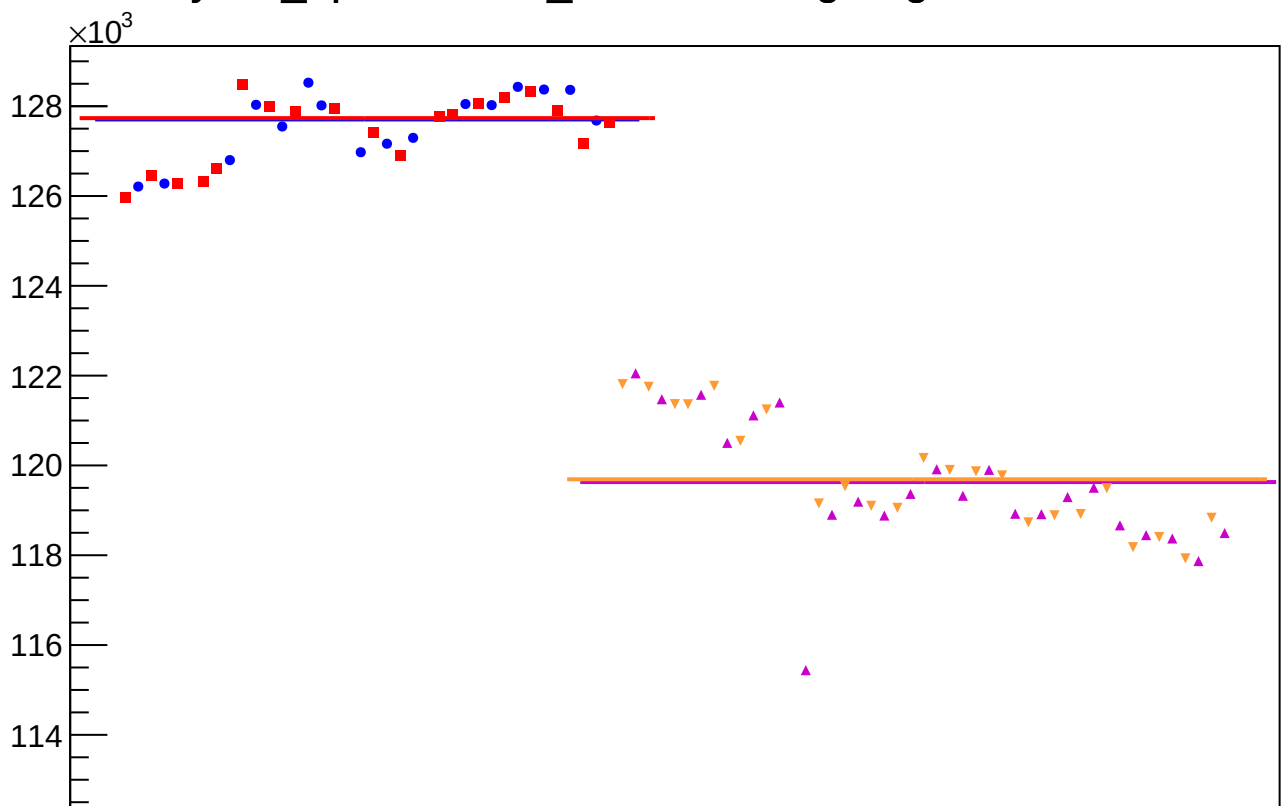
Left: 196.252+/-0.023 χ^2/NDF: 1767173.3/46

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 169.017+/-0.025 χ^2/NDF:3997503.8/38

Out: 163.563+/-0.024 χ^2/NDF:4475330.5/42

All: 166.147+/-0.017 χ^2/NDF: 8497989.3/81



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119691.259+/-0.044 χ^2/NDF:1982641320.2/23

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119660.788+/-0.032 χ^2/NDF: 3300806353.6/4

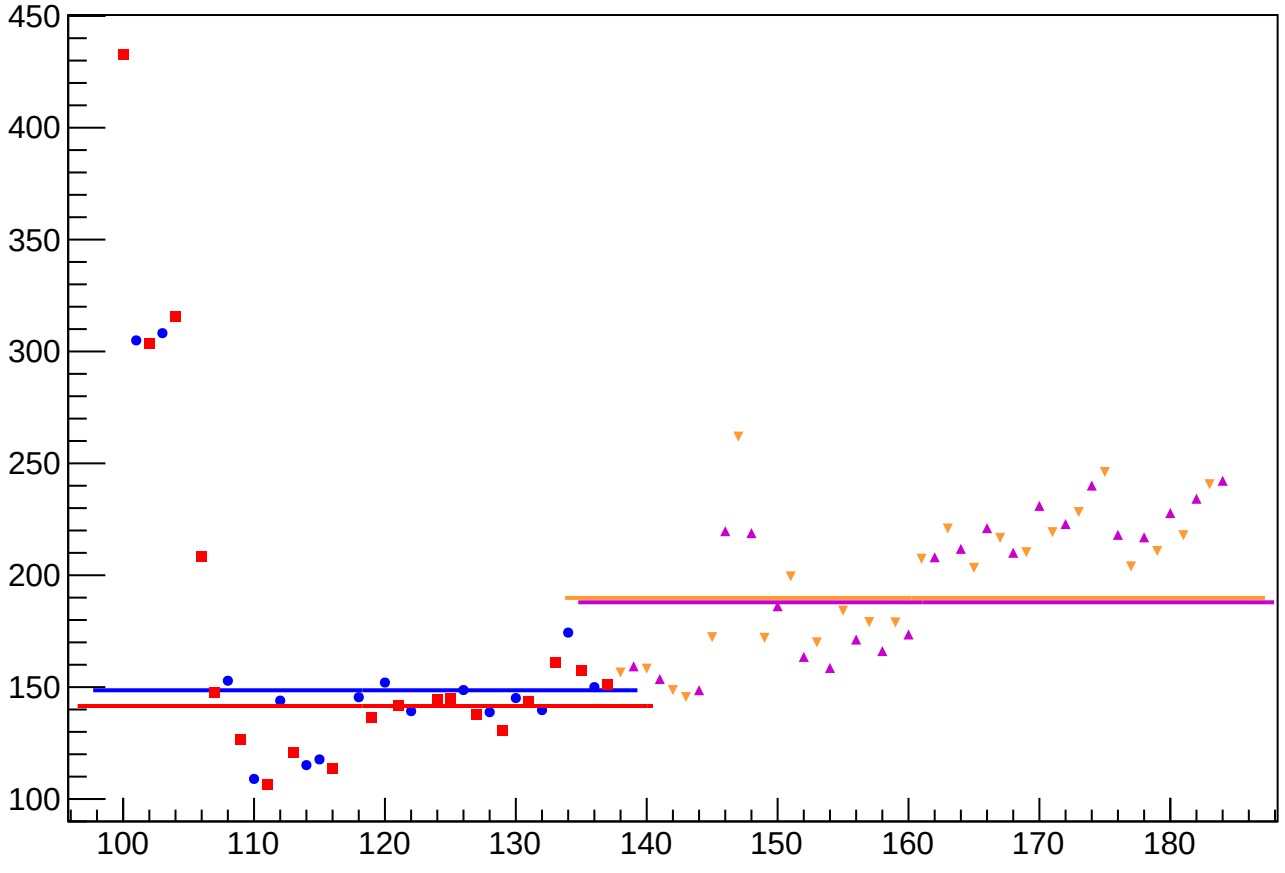
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 122635.950+/-0.036 χ^2/NDF:13418195185.0/3

Out: 122876.572+/-0.035 χ^2/NDF:15050013563.9

All: 122759.980+/-0.025 χ^2/NDF: 28491701

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: 187.909+/-0.032 χ^2/NDF:926037.0/22

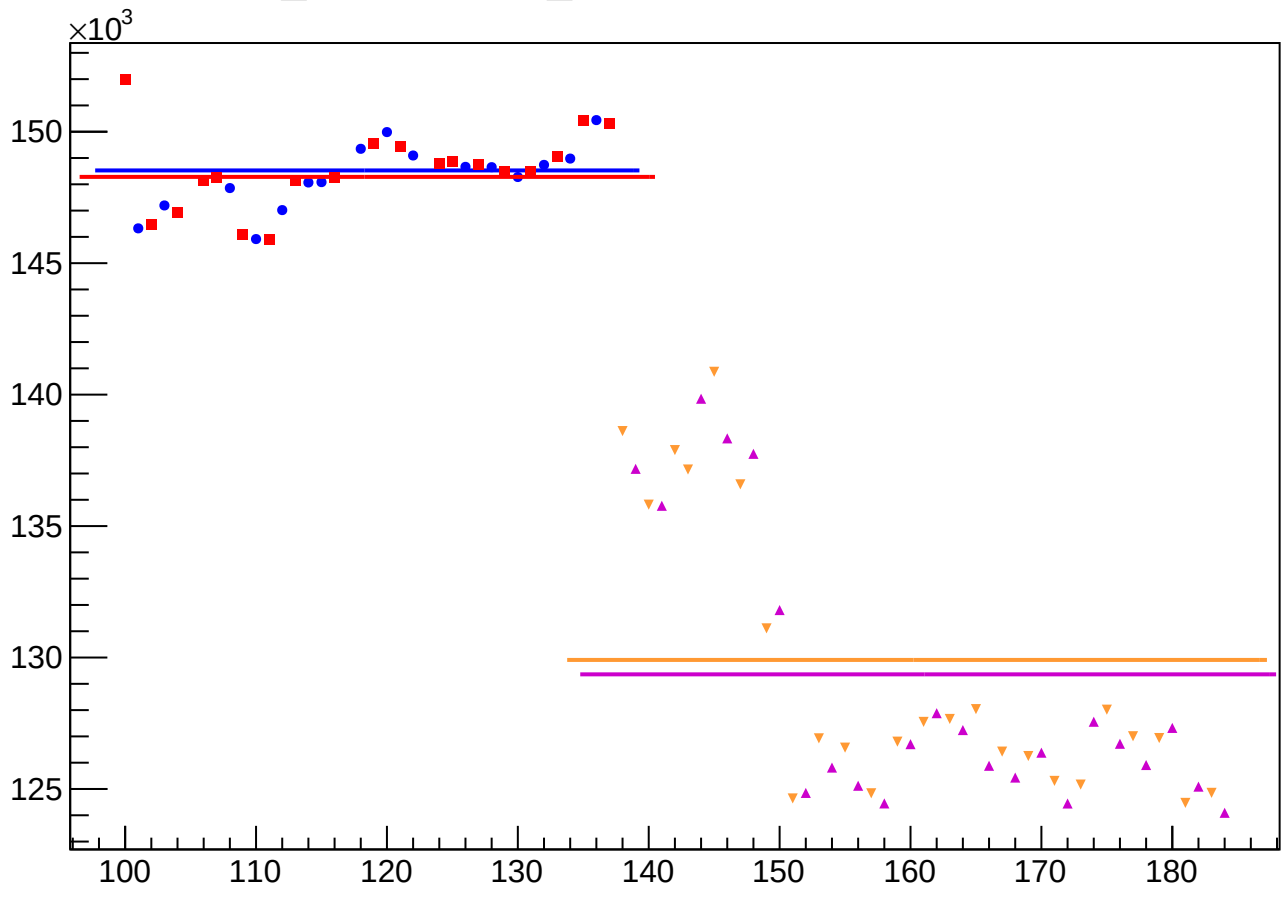
Left: 188.904+/-0.022 χ^2/NDF: 1832674.7/46

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 173.273+/-0.025 χ^2/NDF:2322418.4/38

Out: 170.743+/-0.024 χ^2/NDF:2840978.9/42

All: 171.969+/-0.018 χ^2/NDF: 5168588.3/81



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: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129637.955+/-0.046 χ^2/NDF: 13345868068.6

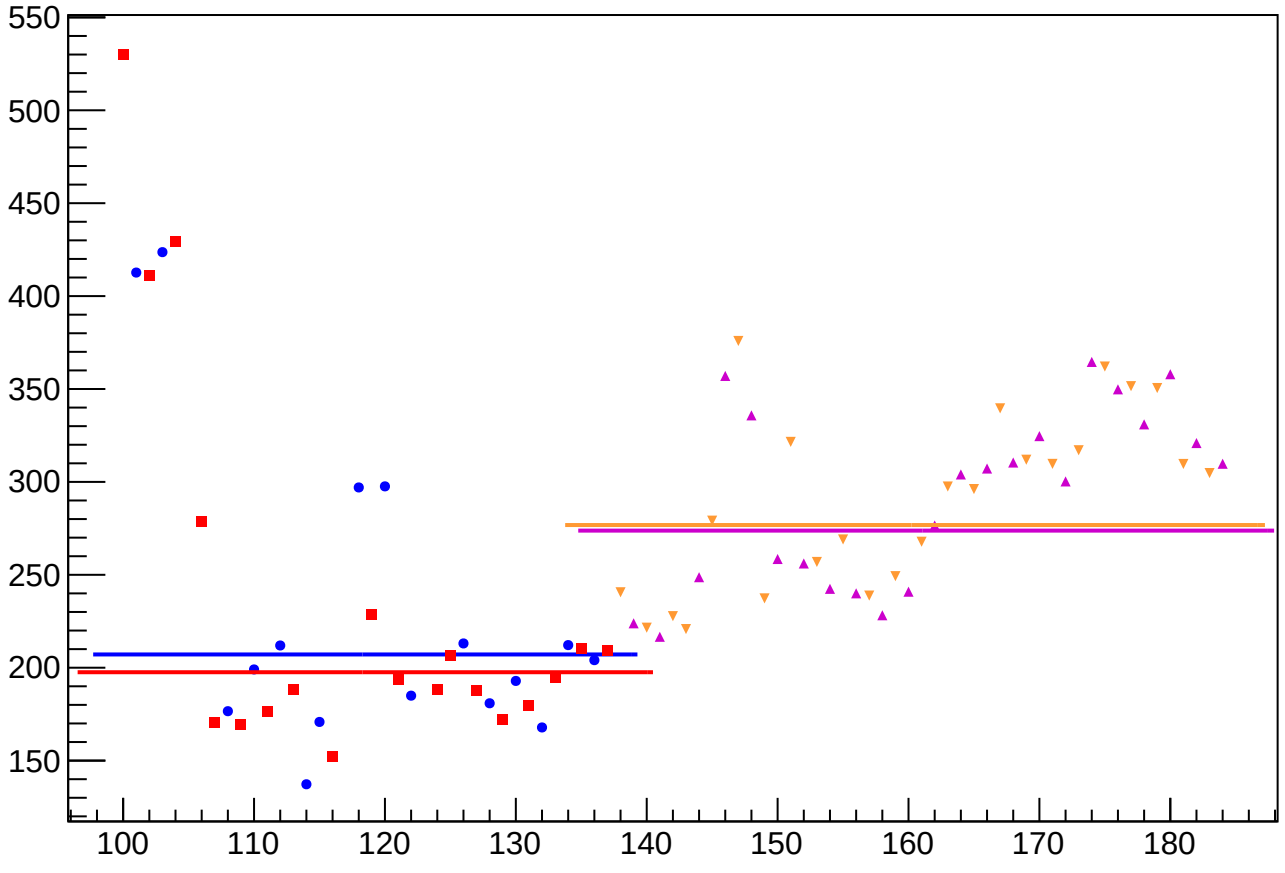
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 136812.647+/-0.051 χ^2/NDF:40278511937.3/3

Out: 137543.737+/-0.049 χ^2/NDF:40598738408.7

All: 137190.638+/-0.036 χ^2/NDF: 809831112

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: 273.784+/-0.046 χ^2/NDF:1003910.6/22

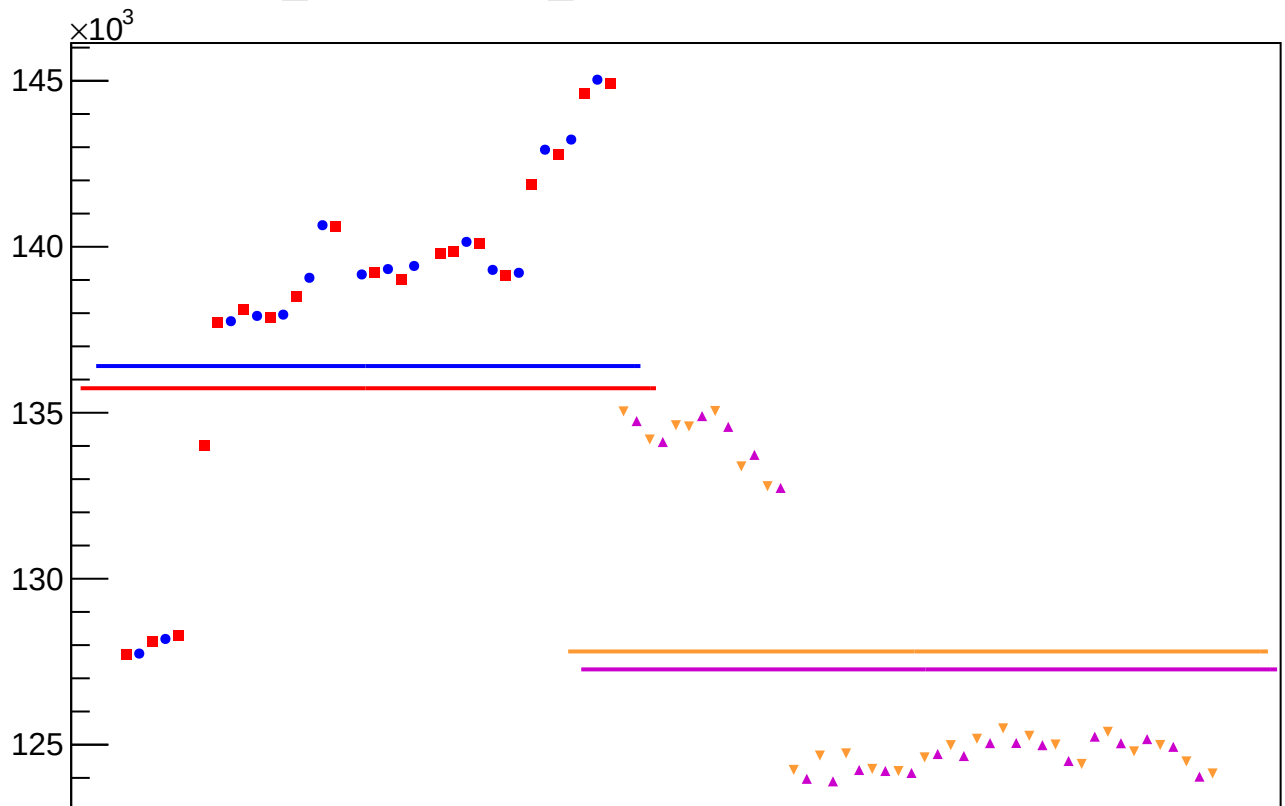
Left: 275.303+/-0.032 χ^2/NDF: 1950479.6/46

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 247.871+/-0.036 χ^2/NDF:2784878.8/38

Out: 243.869+/-0.035 χ^2/NDF:3098356.2/42

All: 245.802+/-0.025 χ^2/NDF: 5889579.9/81



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: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127542.138+/-0.097 χ^2/NDF: 2059291802.0/4

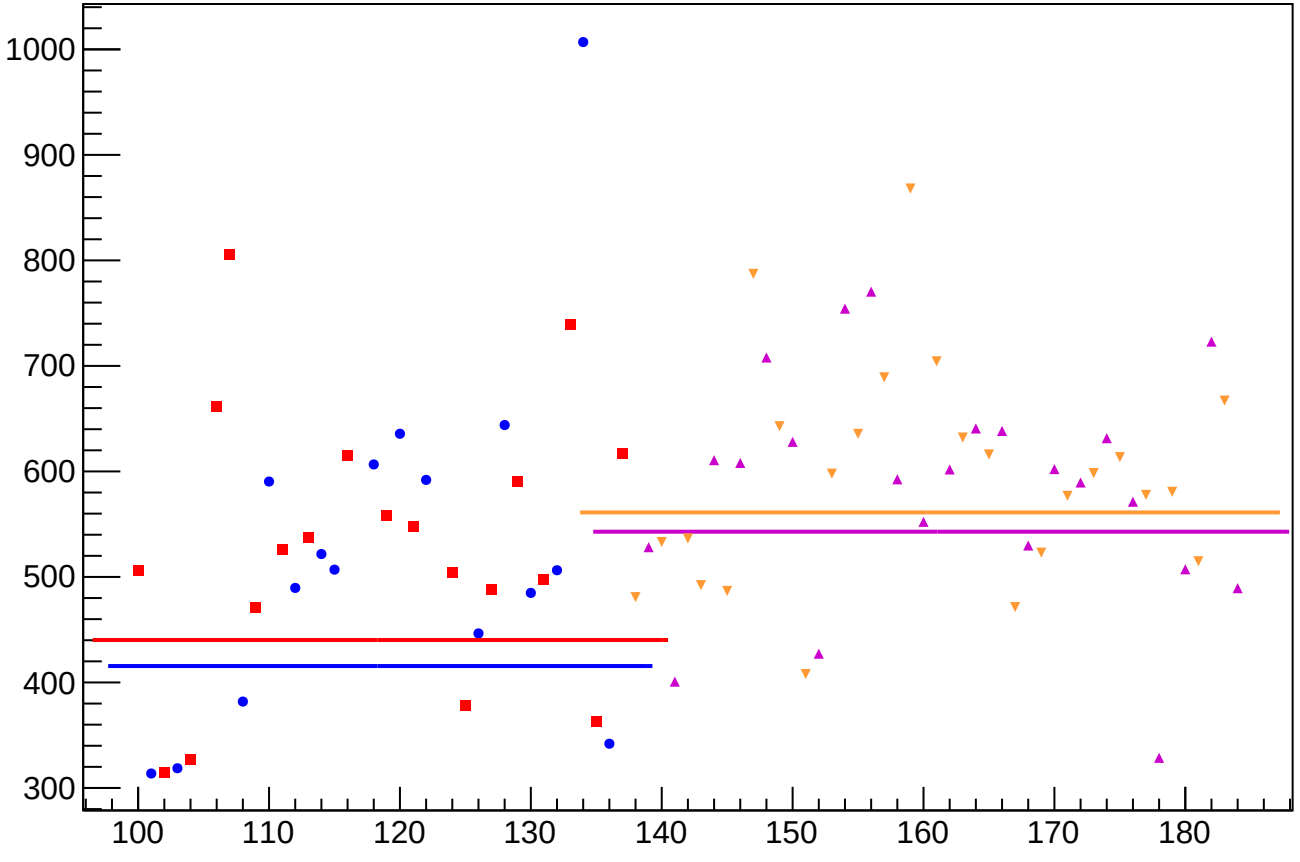
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 130954.371+/-0.107 χ^2/NDF:4301863225.0/38

Out: 130785.568+/-0.108 χ^2/NDF:3512500446.1/4

All: 130870.895+/-0.076 χ^2/NDF: 781559303

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: 542.872+/-0.098 χ^2/NDF:1416690.9/22

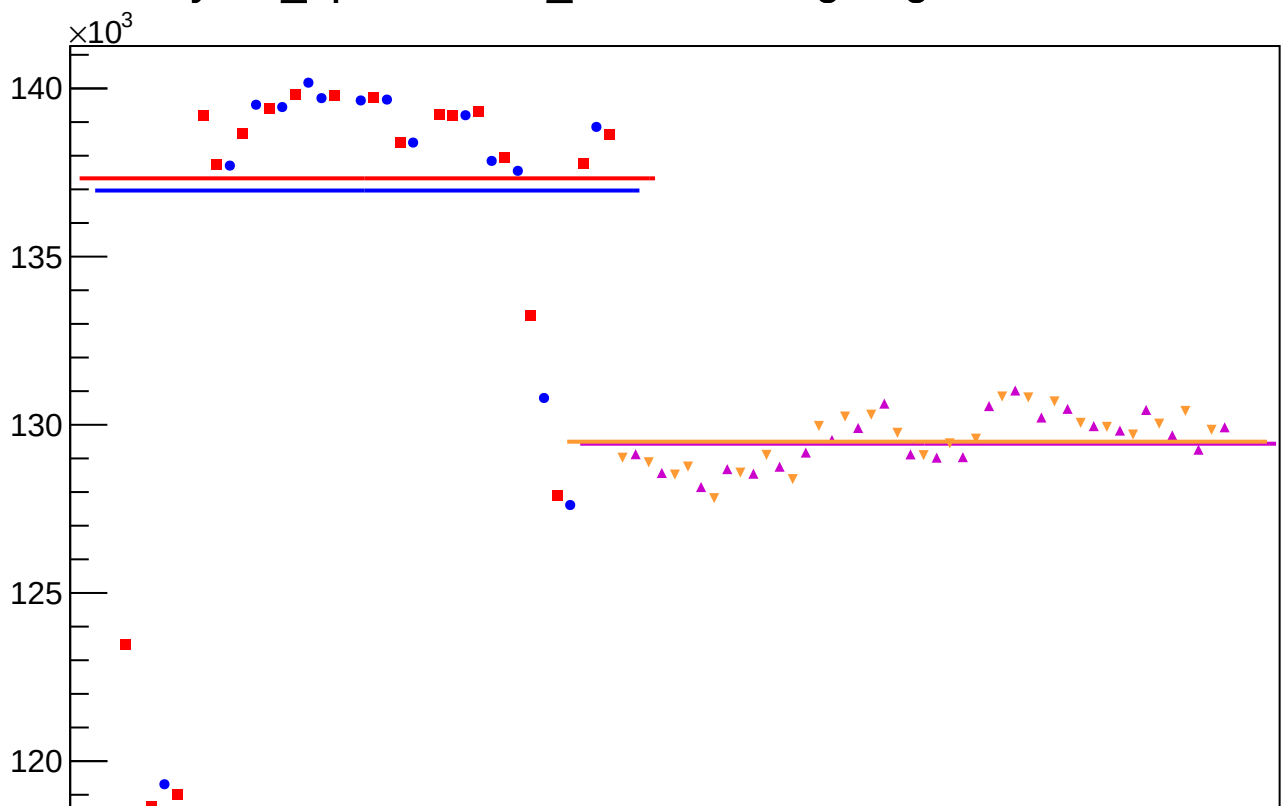
Left: 552.108+/-0.069 χ^2/NDF: 2362193.4/46

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 491.518+/-0.076 χ^2/NDF:3129052.1/38

Out: 515.742+/-0.077 χ^2/NDF:2423854.5/42

All: 503.497+/-0.054 χ^2/NDF: 5603543.0/81



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129498.077+/-0.047 χ^2/NDF:296822474.0/23

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129468.602+/-0.034 χ^2/NDF: 566649220.1/46

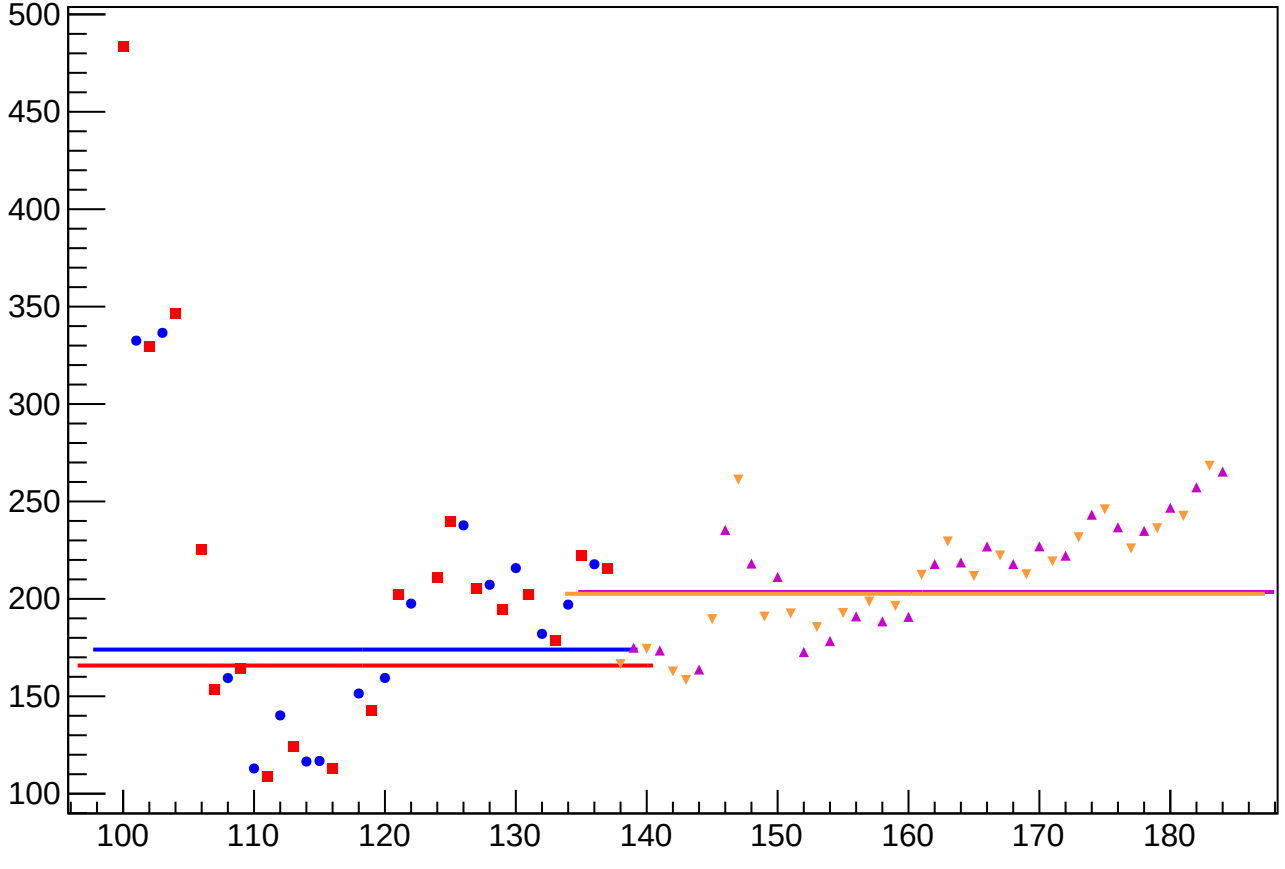
Right: 137157.181+/-0.048 χ^2/NDF: 11559848727.

In: 131887.231+/-0.040 χ^2/NDF:13938355923.2/3

Out: 132166.161+/-0.038 χ^2/NDF:15416781214.5

All: 132031.930+/-0.028 χ^2/NDF: 29380646

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: 203.546+/-0.034 χ^2/NDF:666043.6/22

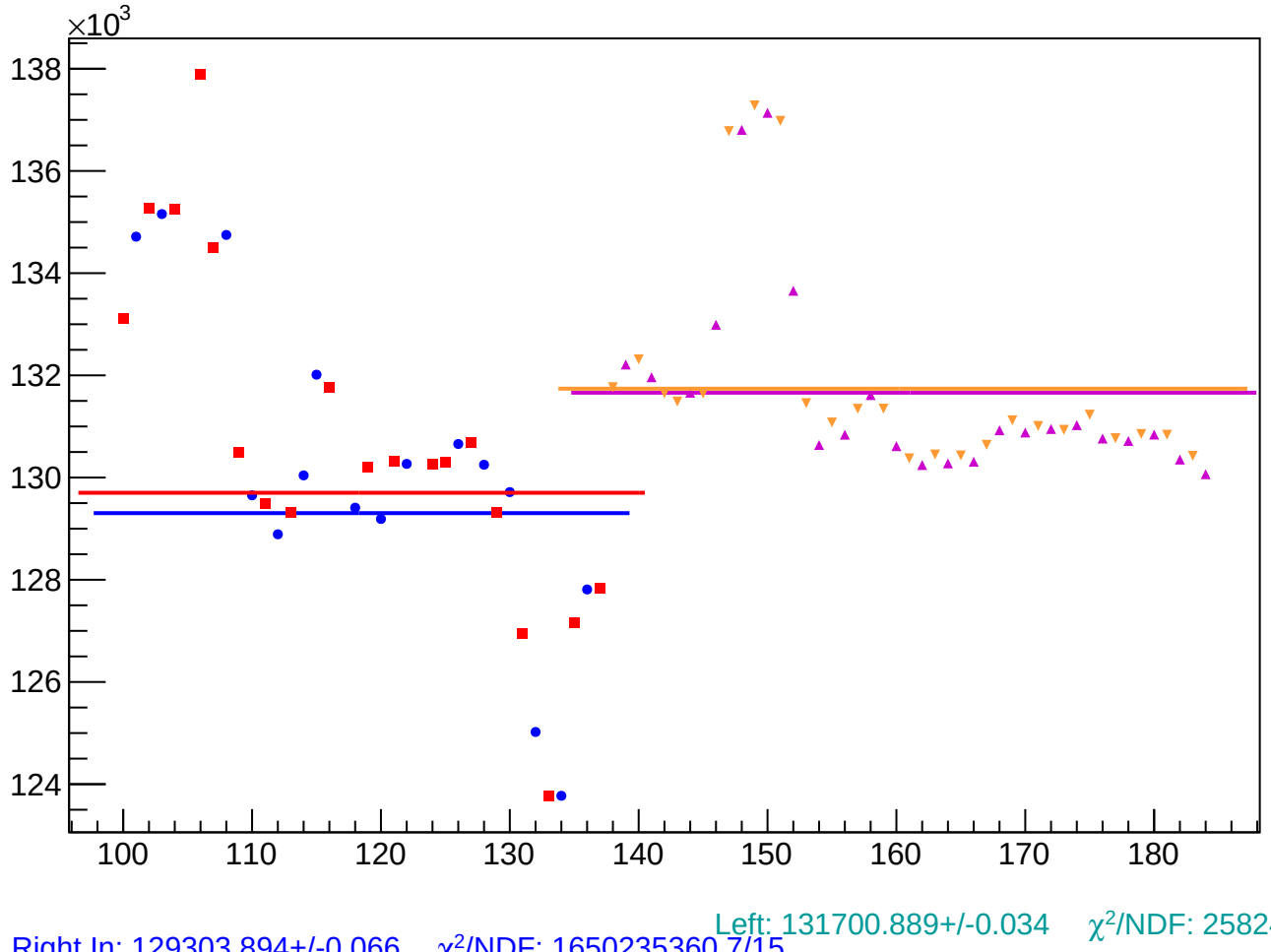
Left: 203.065+/-0.024 χ^2/NDF: 1394322.9/46

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

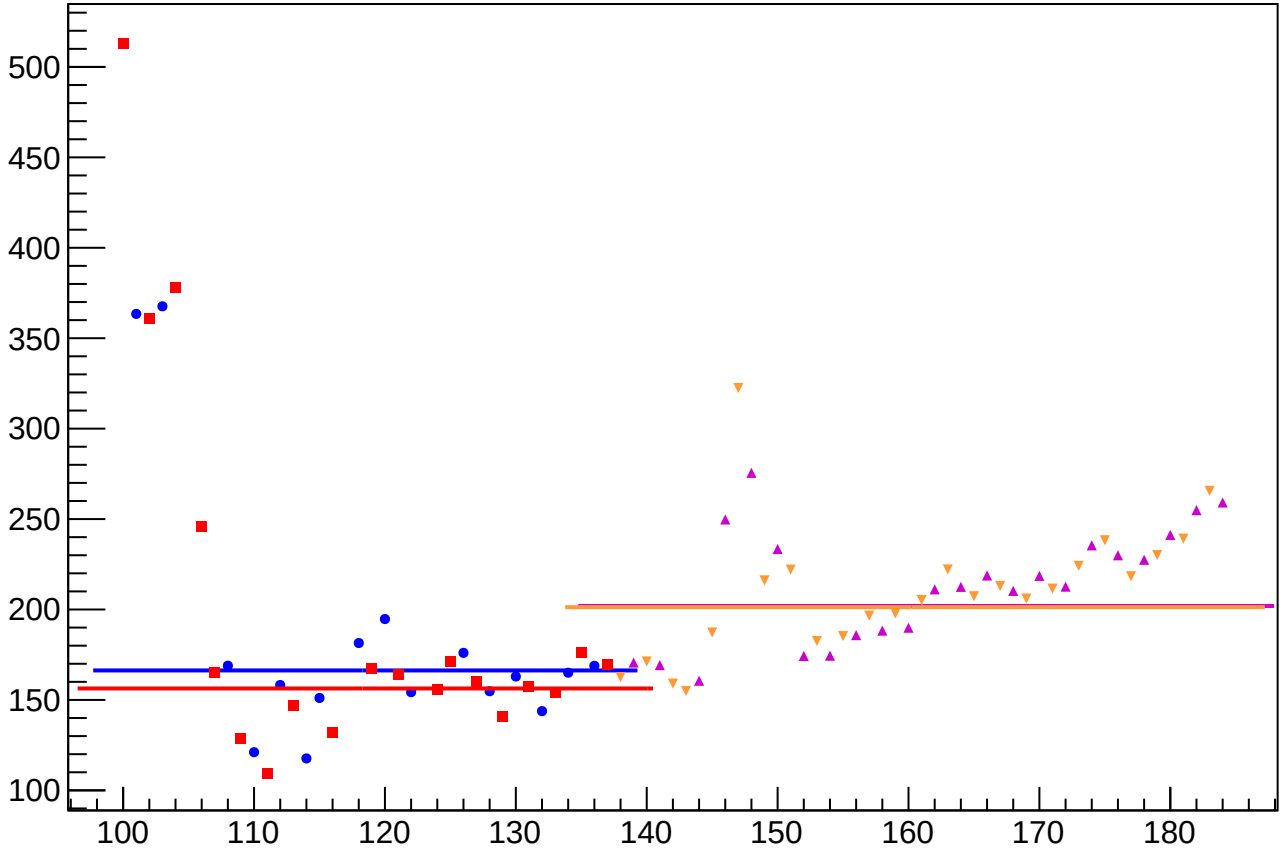
In: 193.925+/-0.028 χ^2/NDF:2097083.7/38

Out: 190.058+/-0.027 χ^2/NDF:2576239.0/42

All: 191.919+/-0.020 χ^2/NDF: 4683127.2/81


yield_bpm0l05WS_mean vs Slug, Sign Corrected
×10^3
138
136
134
132
130
128
126
124
100
110
120
130
140
150
160
170
180
Right In: 129303.894+/-0.066 χ²/NDF: 1650235360.7/15
Left Out: 131739.402+/-0.047 χ²/NDF:1416685450.9/23
Right Out: 129702.568+/-0.062 χ²/NDF: 1777723481.2/18
Left In: 131660.490+/-0.048 χ²/NDF:1164380319.7/22
Left: 131700.889+/-0.034 χ²/NDF: 2582439308.1/4
Right: 129517.750+/-0.045 χ²/NDF: 3447412906.7/
In: 130844.566+/-0.039 χ²/NDF:3643065448.4/38
Out: 130988.291+/-0.037 χ²/NDF:3885844065.3/4
All: 130919.405+/-0.027 χ²/NDF: 75359820

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: 201.947+/-0.034 χ^2/NDF:802700.2/22

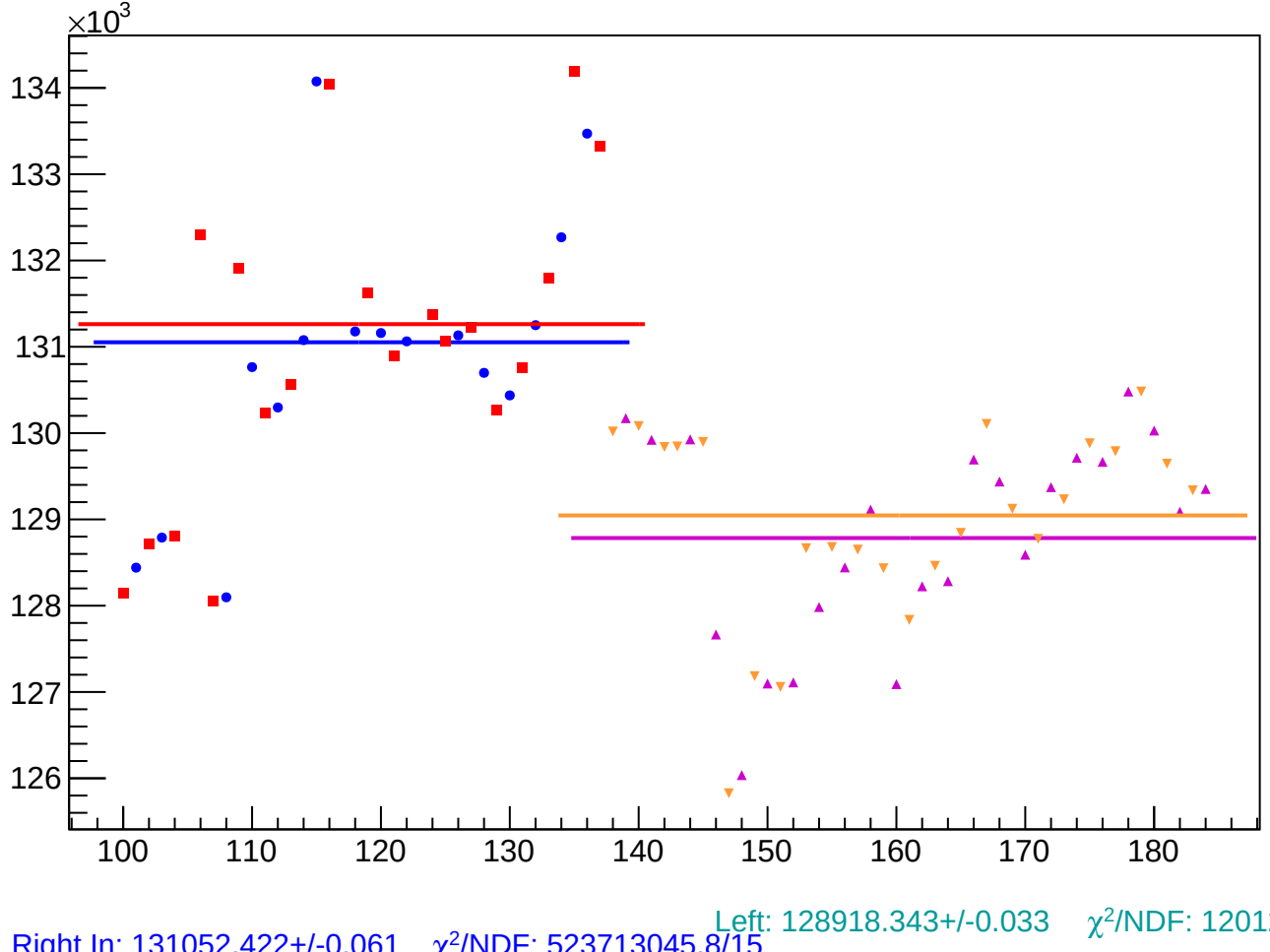
Left: 201.611+/-0.024 χ^2/NDF: 1679946.1/46

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 189.606+/-0.028 χ^2/NDF:2119711.0/38

Out: 184.713+/-0.026 χ^2/NDF:2723595.9/42

All: 187.058+/-0.019 χ^2/NDF: 4859738.4/81



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: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128918.343+/-0.033 χ^2/NDF: 1201290008.7/4

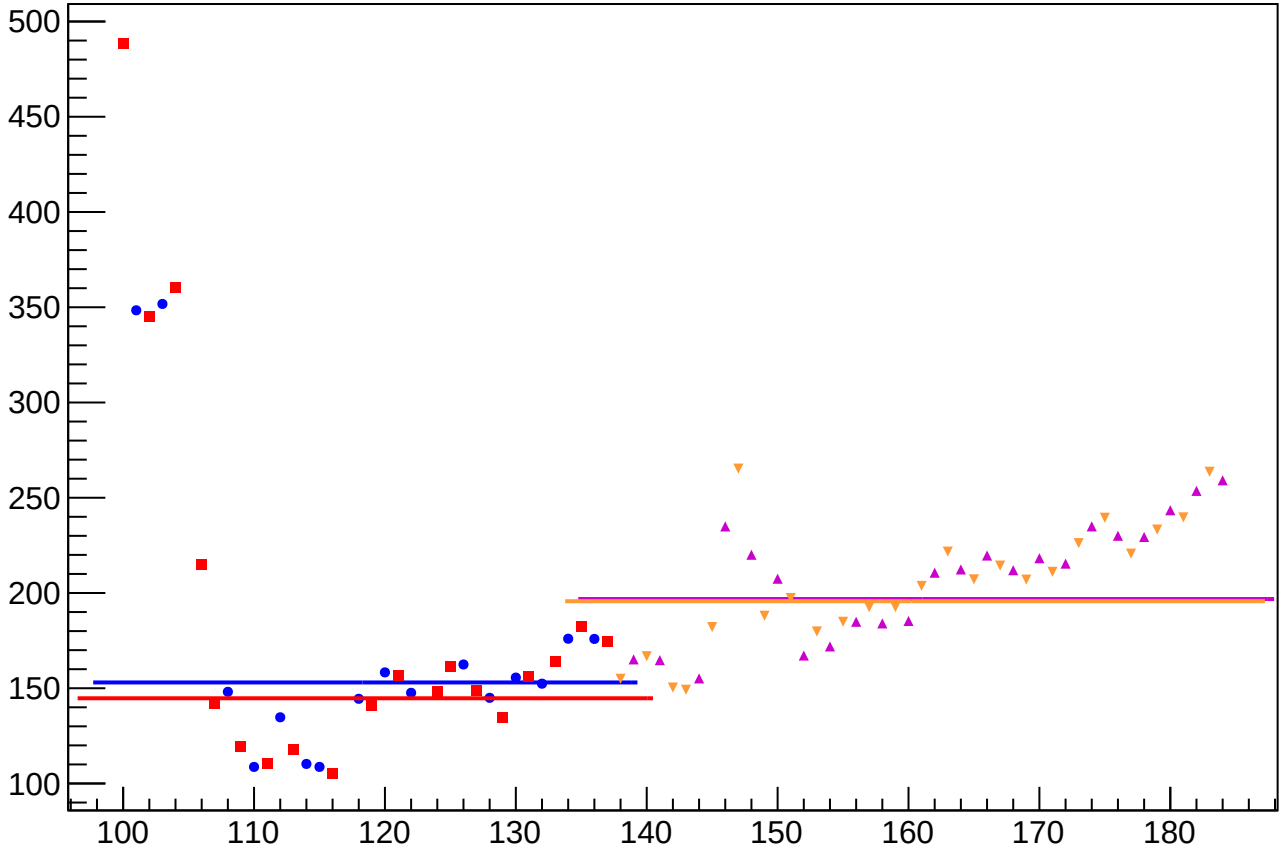
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129632.868+/-0.037 χ^2/NDF:2055138904.2/38

Out: 129918.649+/-0.036 χ^2/NDF:2061308183.4/4

All: 129781.811+/-0.026 χ^2/NDF: 41473760

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: 196.840+/-0.033 χ^2/NDF:773052.6/22

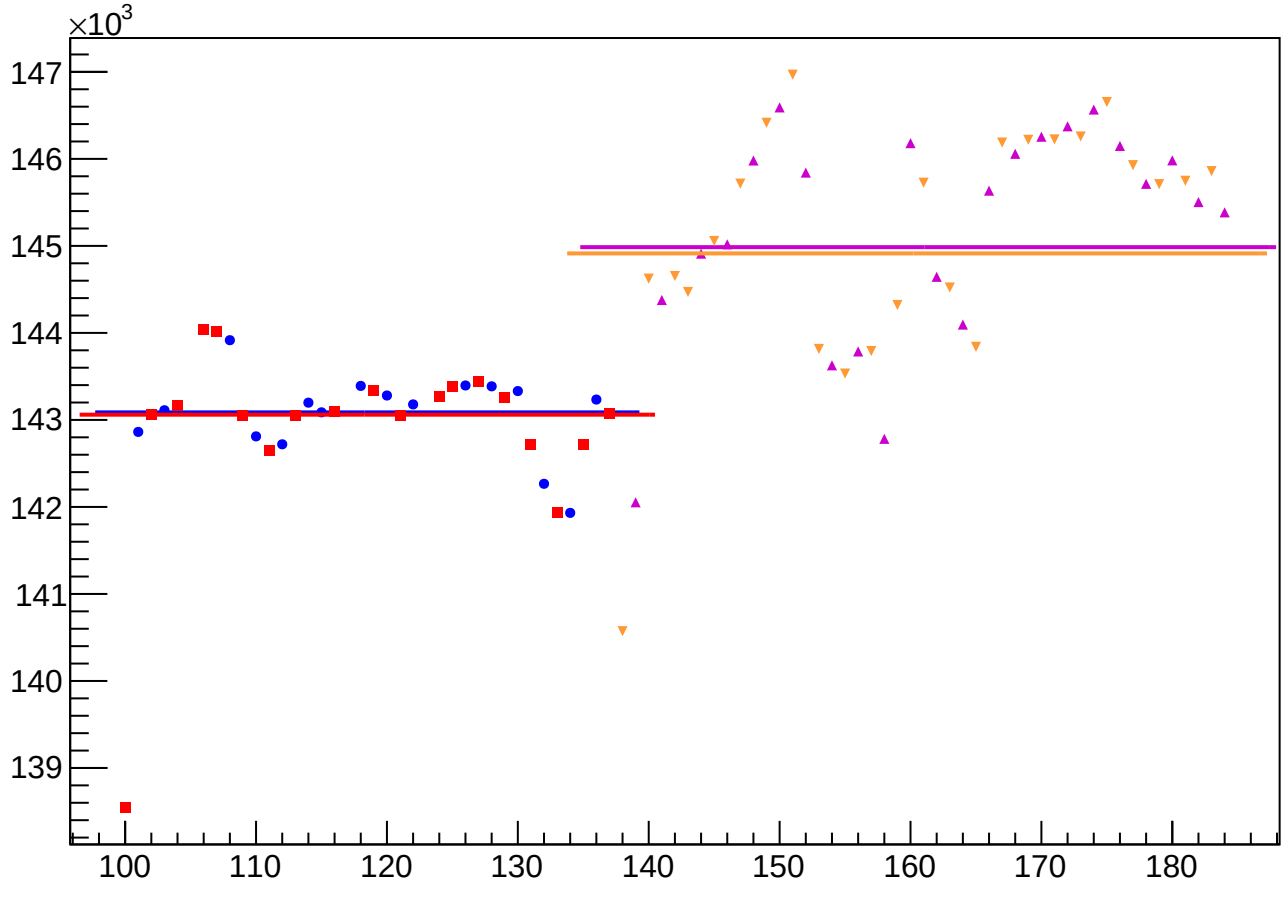
Left: 196.247+/-0.023 χ^2/NDF: 1663310.7/46

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 180.449+/-0.026 χ^2/NDF:2485357.7/38

Out: 175.619+/-0.025 χ^2/NDF:3133420.6/42

All: 177.932+/-0.018 χ^2/NDF: 5636443.2/81


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
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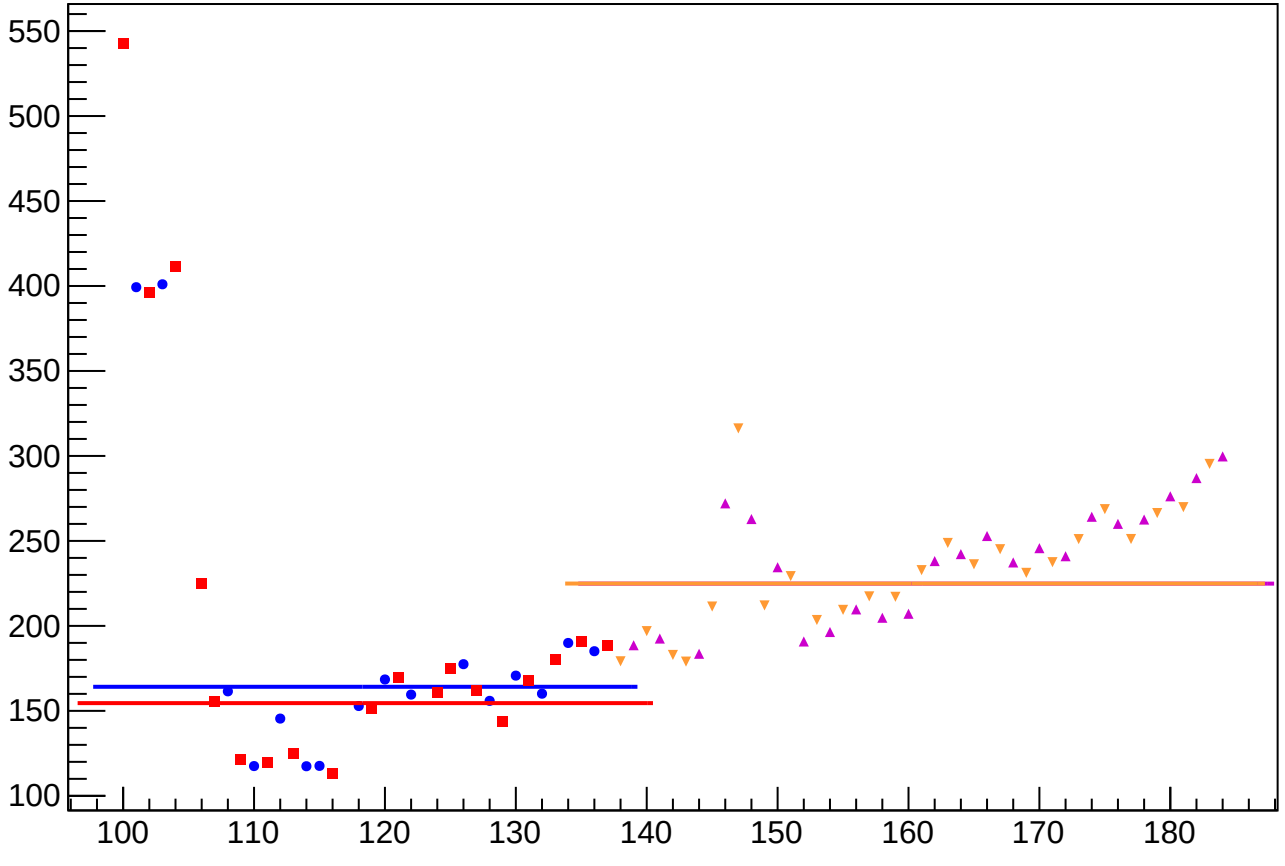
170
180
Right In: 143086.477+/-0.065 χ²/NDF: 46726277.8/15
Left Out: 144913.639+/-0.052 χ²/NDF:833965899.4/23
Right Out: 143060.268+/-0.061 χ²/NDF: 51715744.7/18
Left In: 144985.586+/-0.054 χ²/NDF:618782558.7/22
Left: 144948.846+/-0.037 χ²/NDF: 1453669374.5/4
Right: 143072.451+/-0.044 χ²/NDF: 98528807.3/34
In: 144218.510+/-0.041 χ²/NDF:1173047829.8/38
Out: 144120.776+/-0.040 χ²/NDF:1419923018.9/4
All: 144167.604+/-0.029 χ²/NDF: 25958787

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: 224.869+/-0.038 χ^2/NDF:723816.1/22

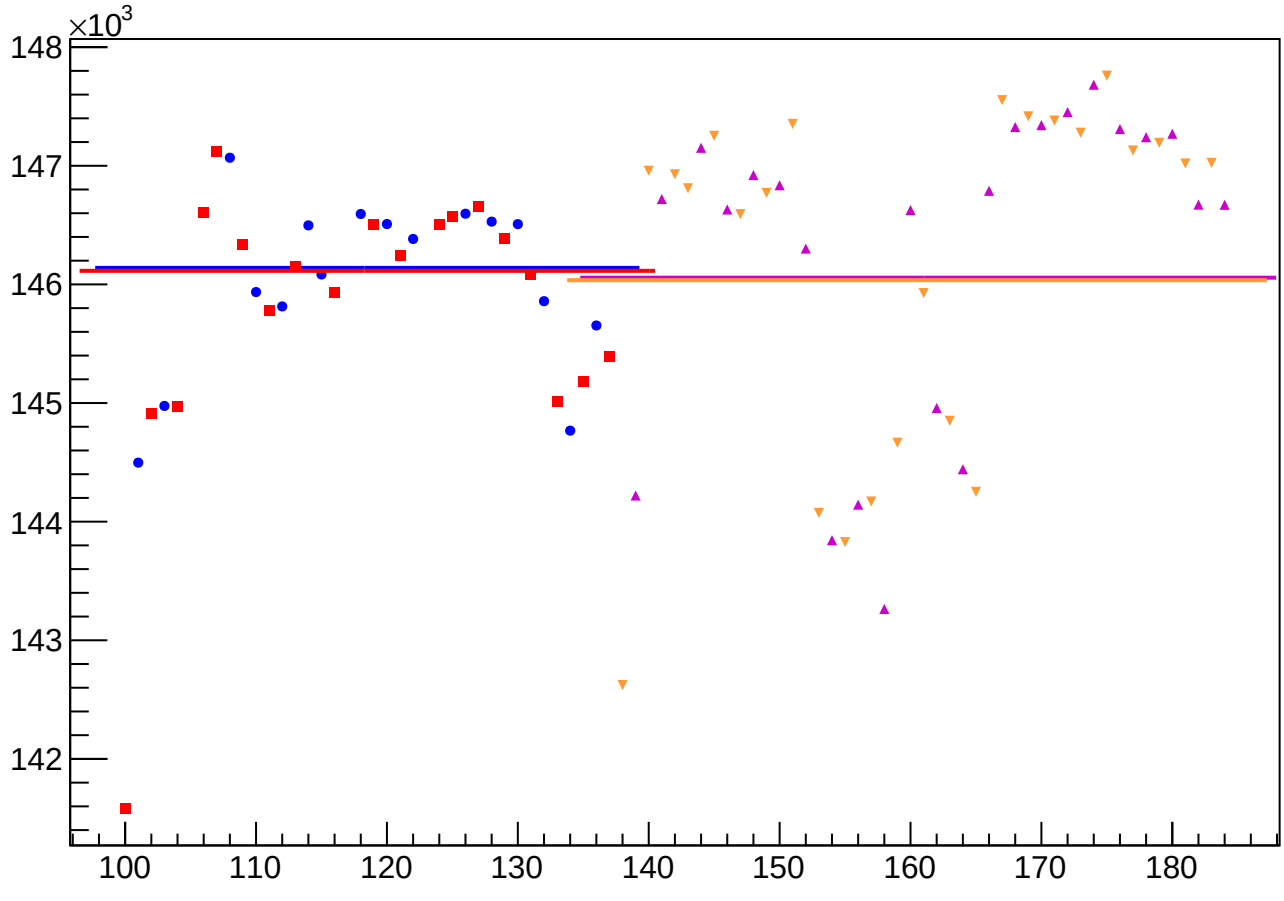
Left: 224.892+/-0.027 χ^2/NDF: 1471043.7/46

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 200.350+/-0.029 χ^2/NDF:2890643.5/38

Out: 194.817+/-0.028 χ^2/NDF:3653847.2/42

All: 197.468+/-0.020 χ^2/NDF: 6563134.0/81



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: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146045.783+/-0.037 χ^2/NDF: 1579181577.3/4

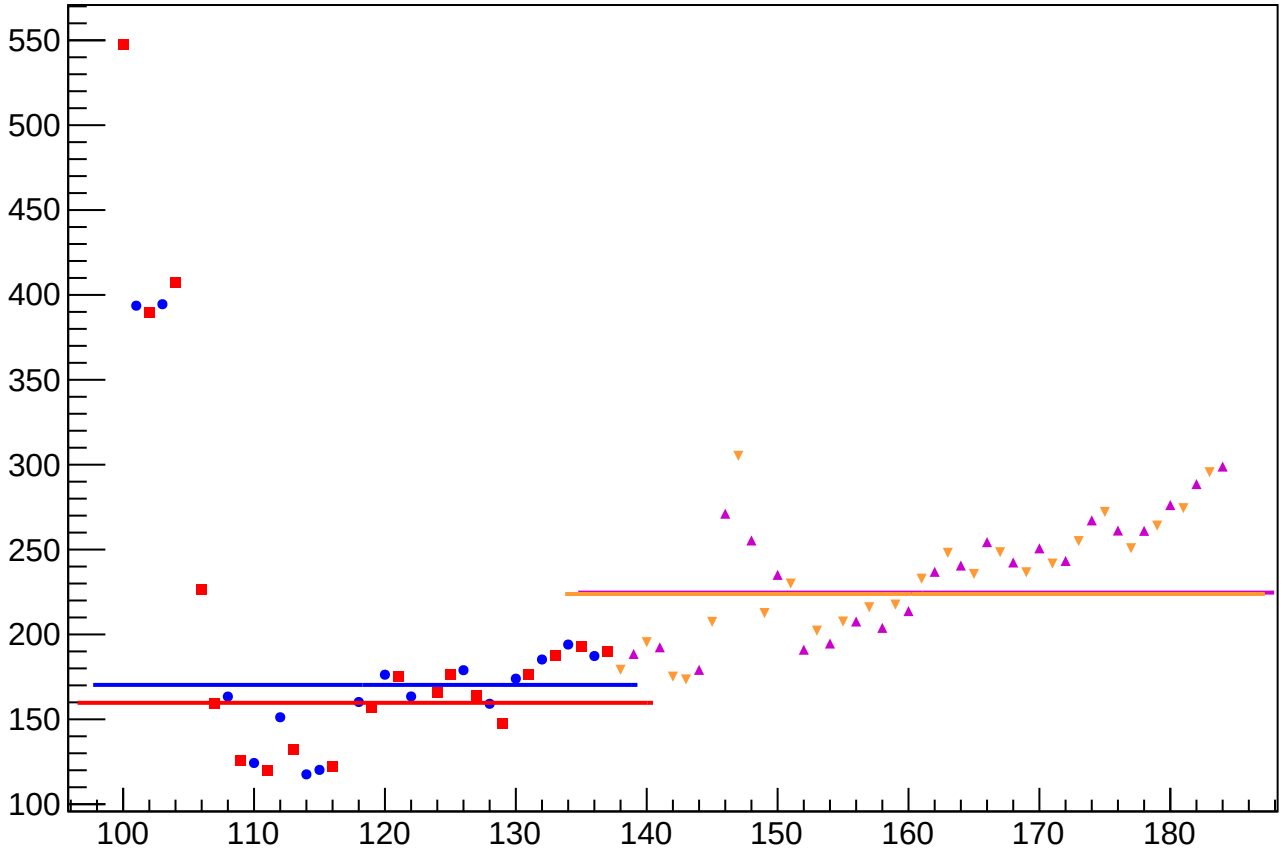
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146088.645+/-0.042 χ^2/NDF:771384553.1/38

Out: 146067.926+/-0.040 χ^2/NDF:954401848.8/42

All: 146077.815+/-0.029 χ^2/NDF: 17259140

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: 224.655+/-0.038 χ^2/NDF:756996.8/22

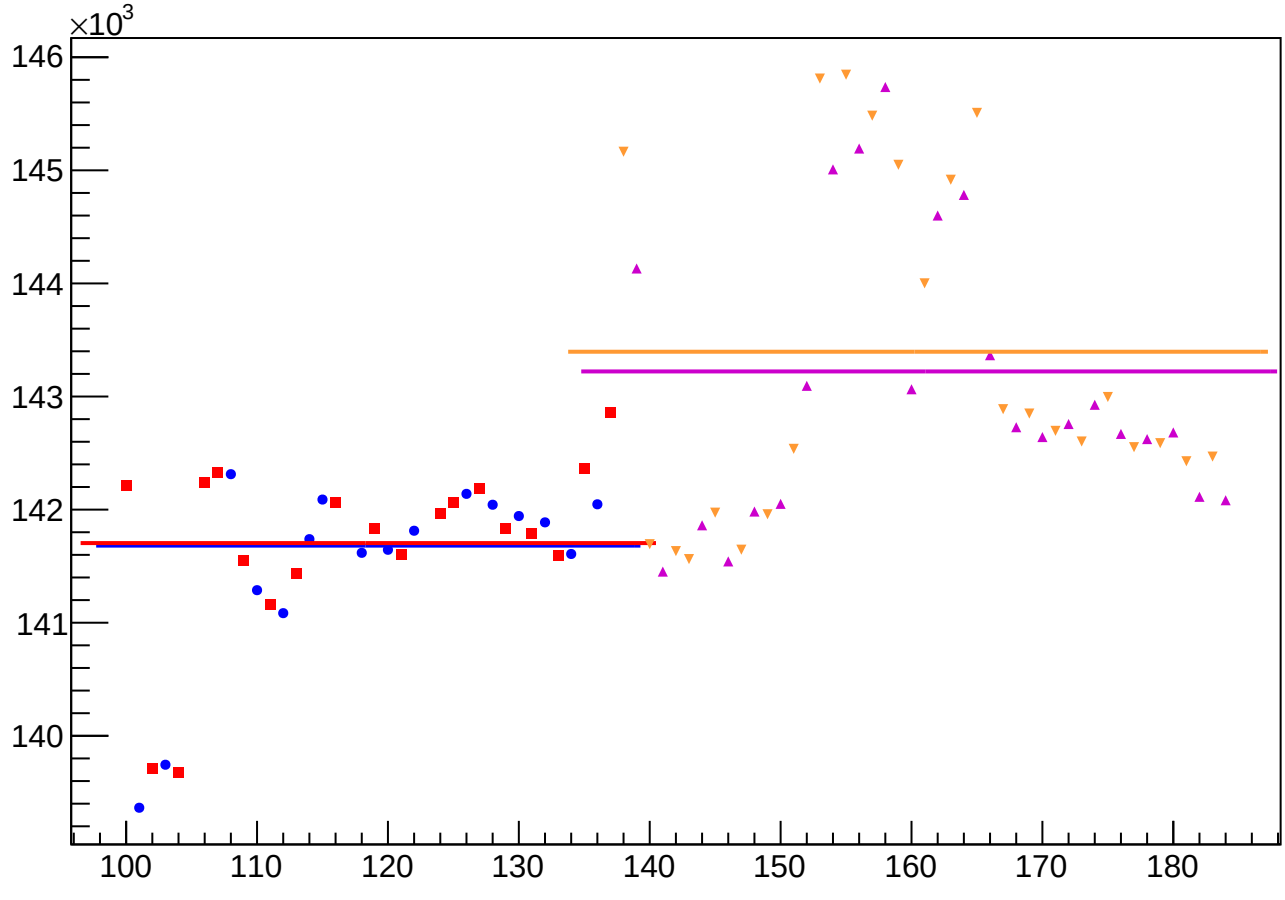
Left: 224.239+/-0.026 χ^2/NDF: 1577484.1/46

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 203.604+/-0.030 χ^2/NDF:2612612.1/38

Out: 197.472+/-0.028 χ^2/NDF:3351580.0/42

All: 200.399+/-0.020 χ^2/NDF: 5986548.1/81



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: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143310.397+/-0.038 χ^2/NDF: 1326038309.9/4

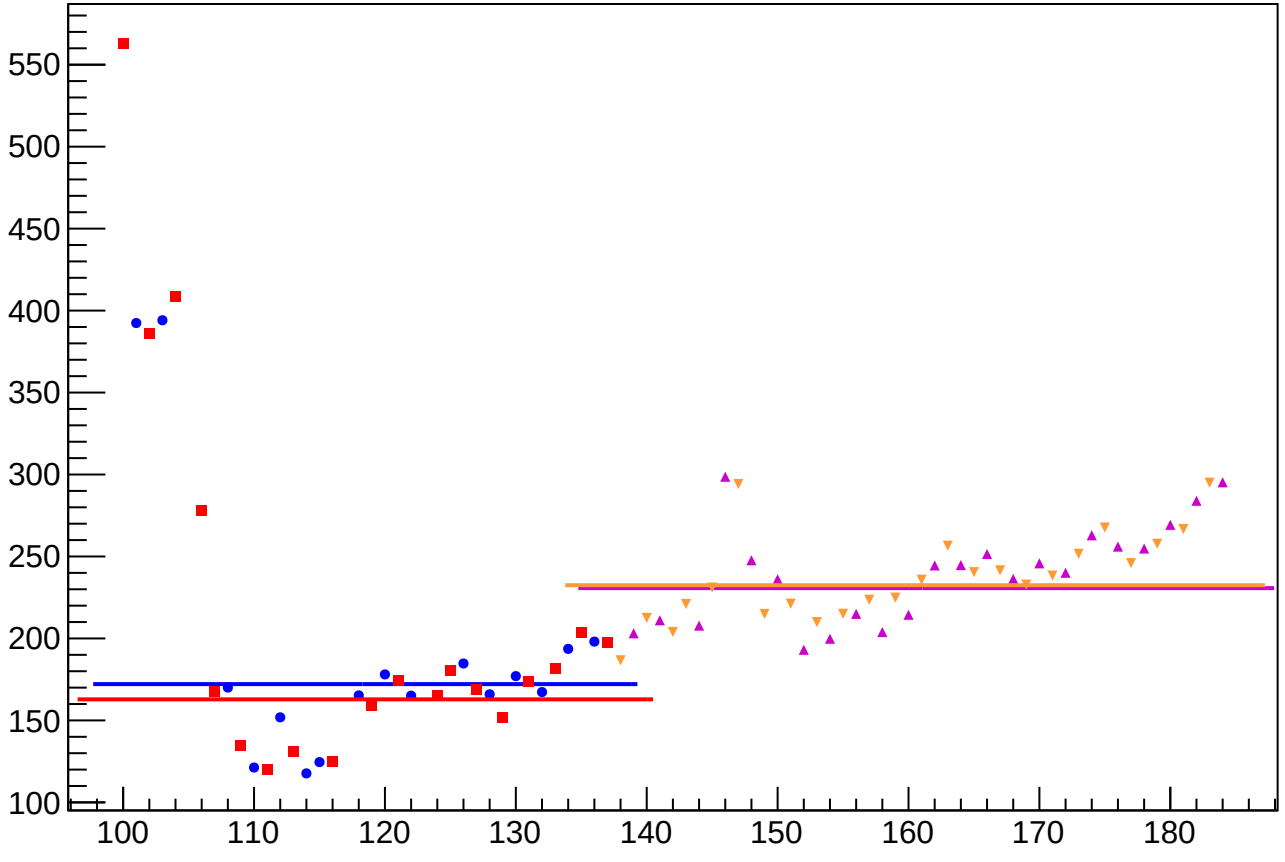
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142617.978+/-0.043 χ^2/NDF:913833456.5/38

Out: 142691.085+/-0.041 χ^2/NDF:1256482831.5/4

All: 142655.898+/-0.030 χ^2/NDF: 21718332

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: 230.693+/-0.039 χ^2/NDF:512017.9/22

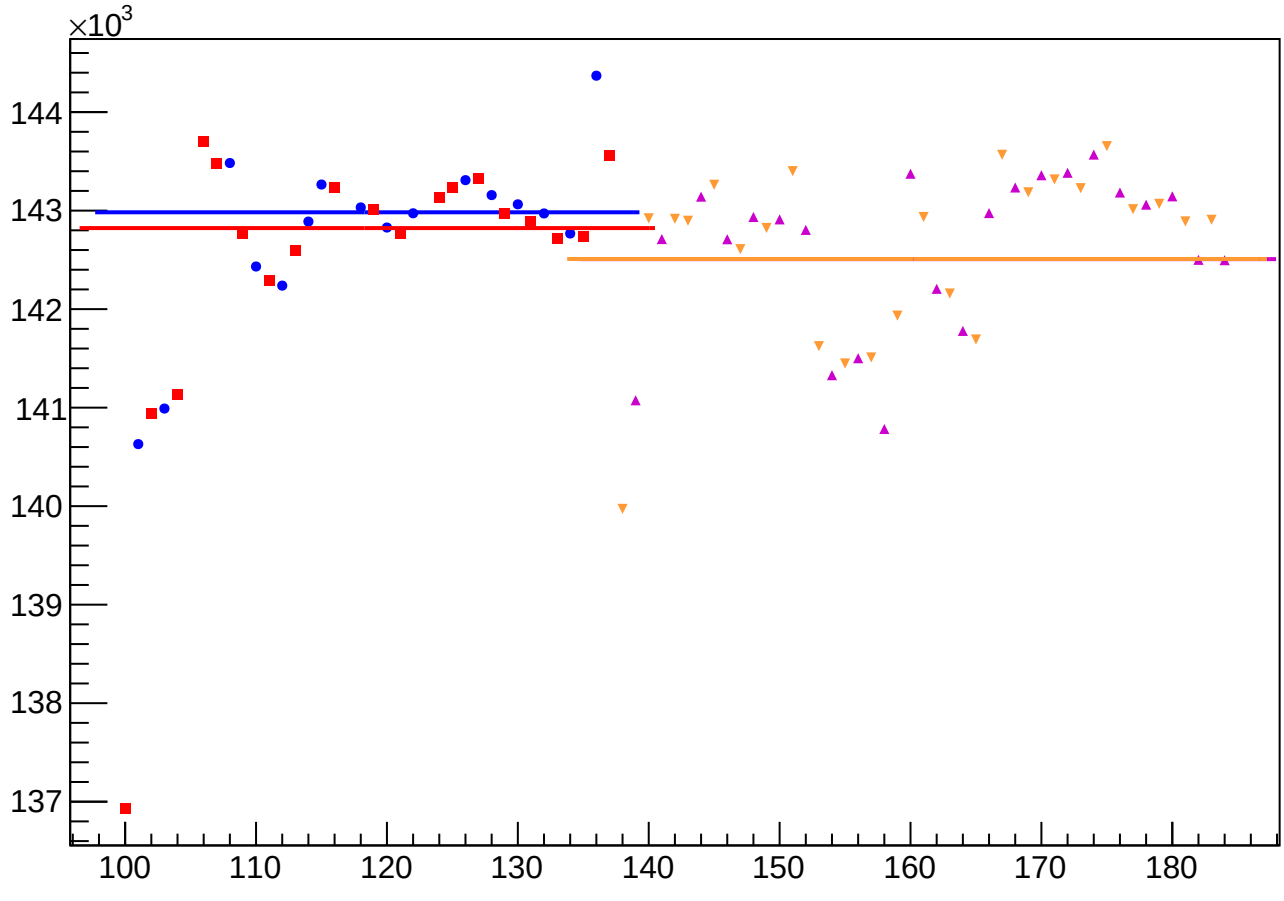
Left: 231.600+/-0.027 χ^2/NDF: 936864.9/46

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 207.734+/-0.030 χ^2/NDF:2474968.8/38

Out: 203.462+/-0.029 χ^2/NDF:3119579.1/42

All: 205.518+/-0.021 χ^2/NDF: 5604904.5/81



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: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142508.380+/-0.037 χ^2/NDF: 607125225.4/46

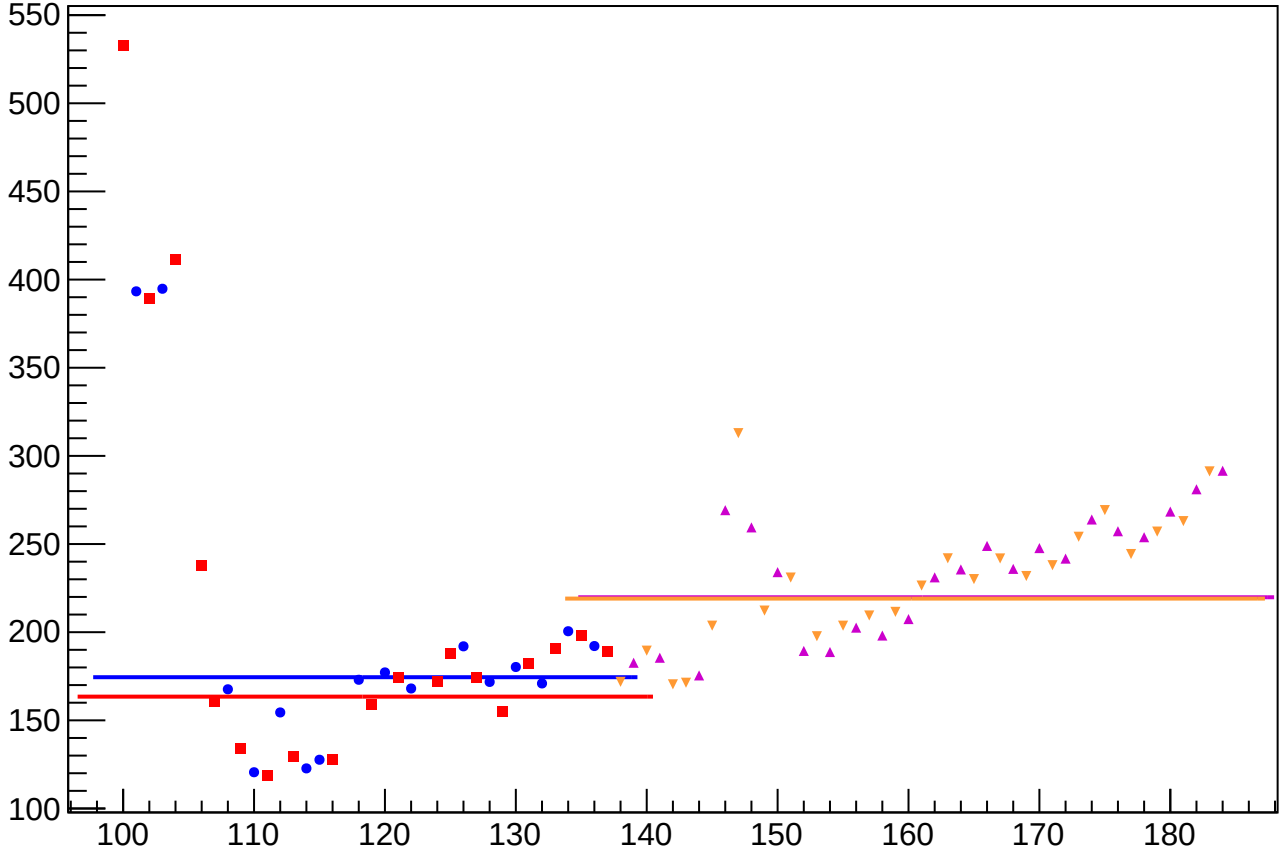
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142681.117+/-0.042 χ^2/NDF:407019238.7/38

Out: 142631.178+/-0.040 χ^2/NDF:416083222.3/42

All: 142655.041+/-0.029 χ^2/NDF: 82384935

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: 219.813+/-0.037 χ^2/NDF:805501.8/22

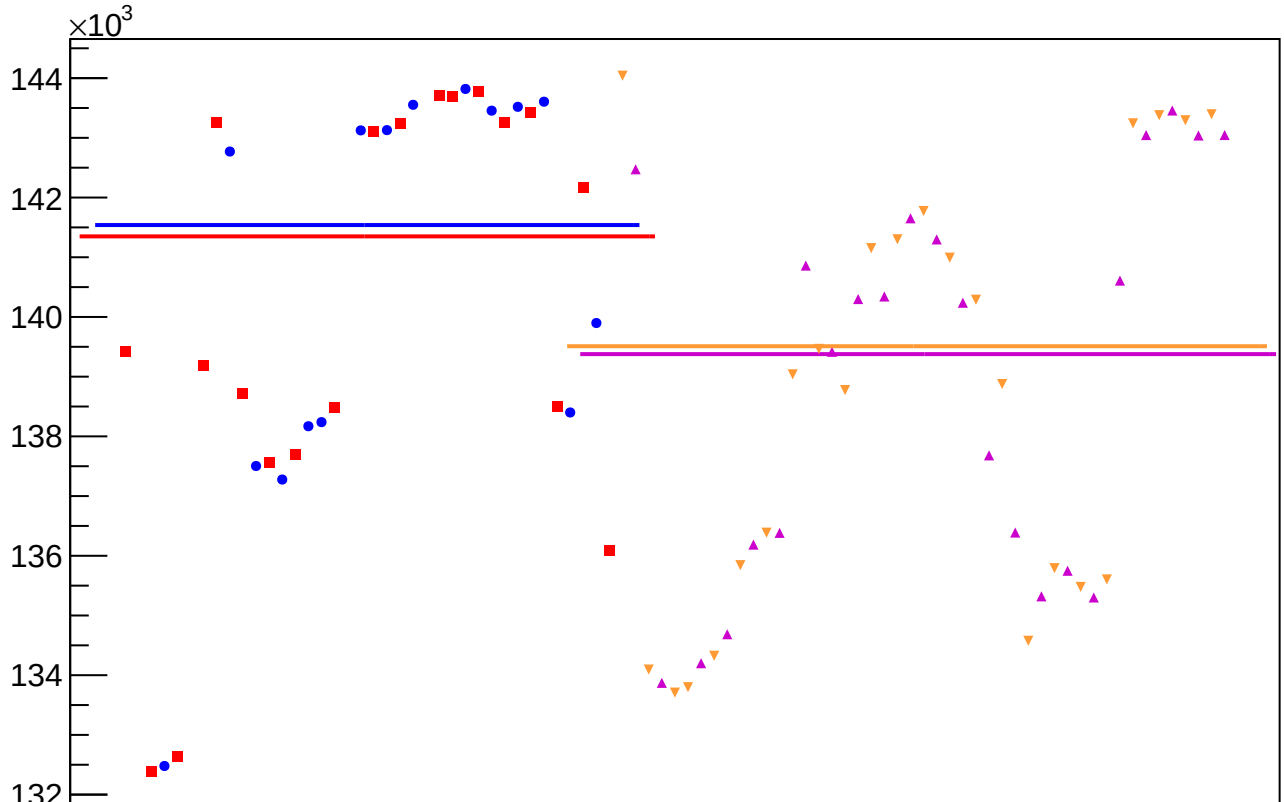
Left: 219.427+/-0.026 χ^2/NDF: 1678145.0/46

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 203.260+/-0.030 χ^2/NDF:2401359.2/38

Out: 197.419+/-0.028 χ^2/NDF:3076426.6/42

All: 200.210+/-0.020 χ^2/NDF: 5498223.7/81



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: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139445.932+/-0.051 χ^2/NDF: 4465637981.8/4

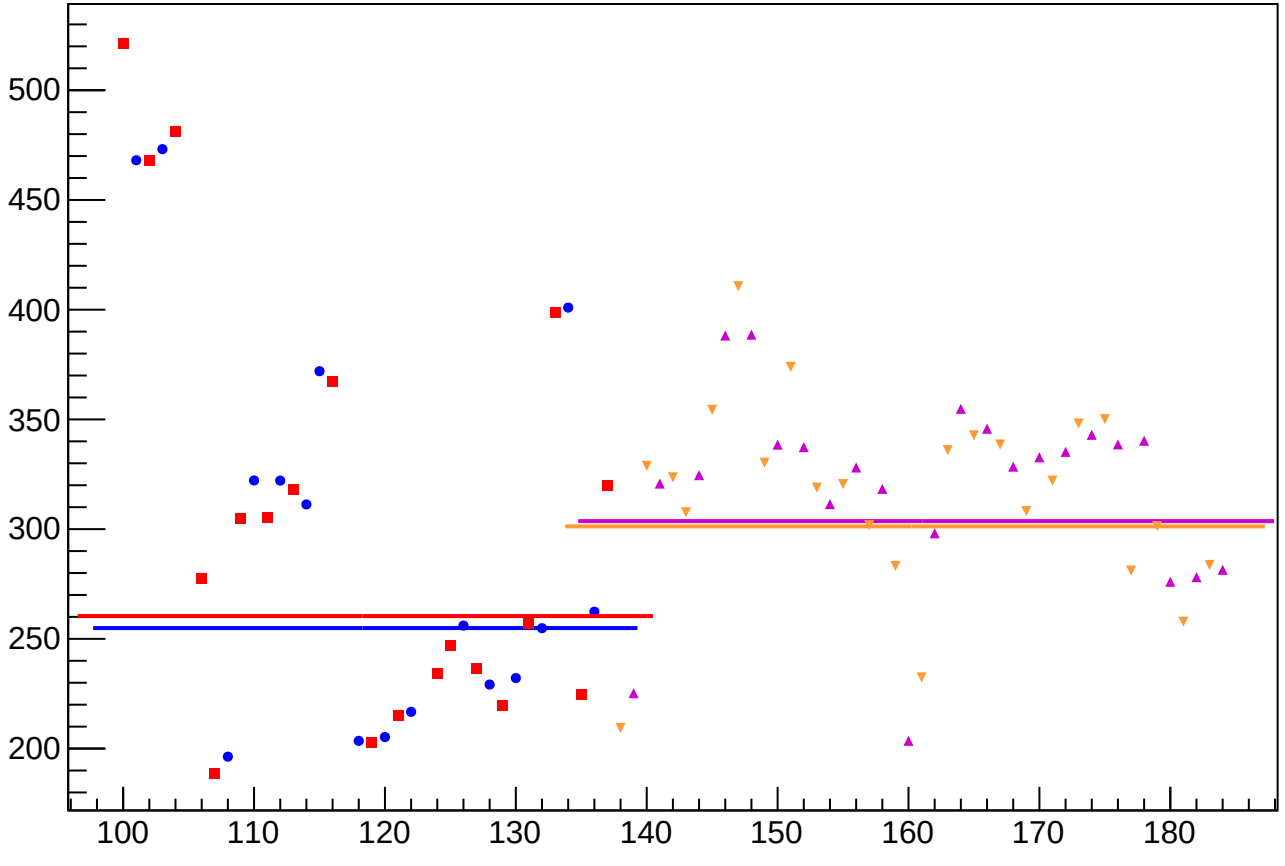
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140120.604+/-0.059 χ^2/NDF:3171007499.5/38

Out: 140113.102+/-0.058 χ^2/NDF:3691887457.3/4

All: 140116.773+/-0.041 χ^2/NDF: 686290318

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: 303.658+/-0.052 χ^2/NDF:976252.9/22

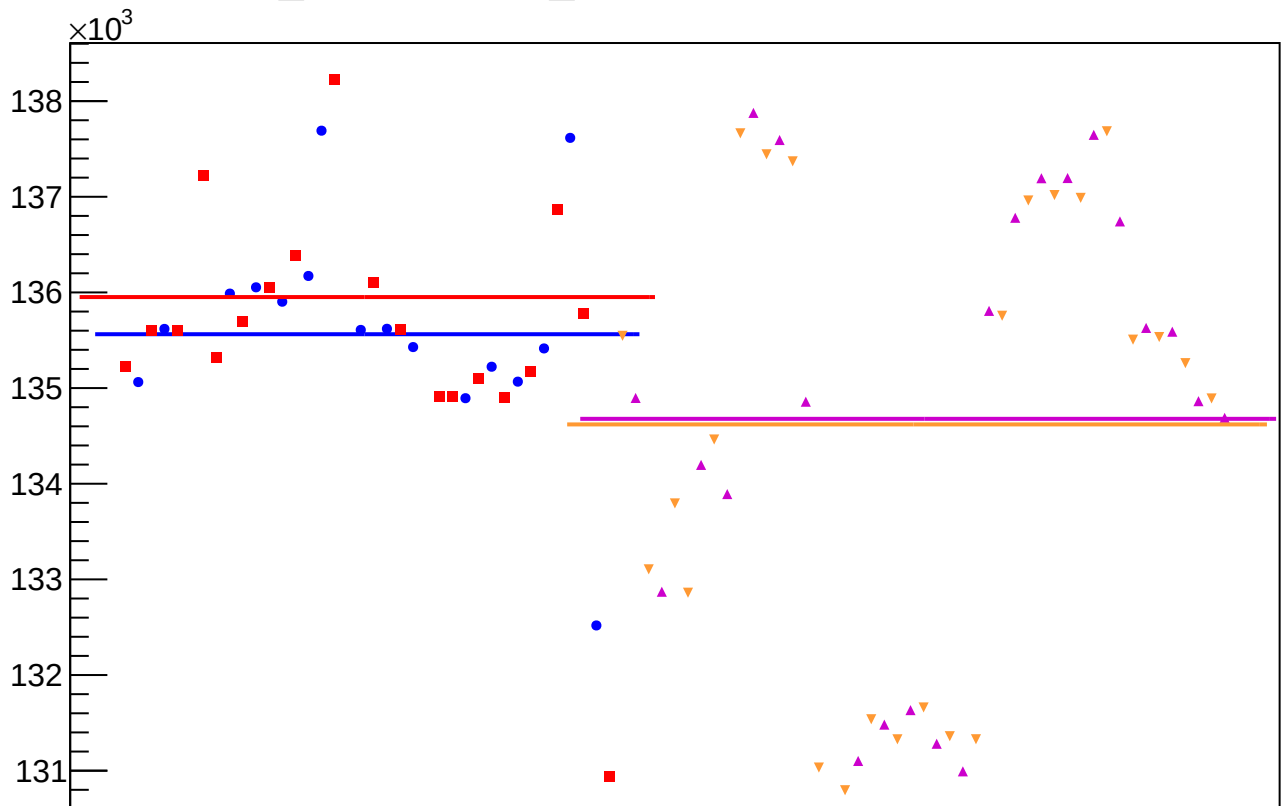
Left: 302.414+/-0.036 χ^2/NDF: 1852211.0/46

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 286.907+/-0.042 χ^2/NDF:2233025.8/38

Out: 287.844+/-0.041 χ^2/NDF:2088105.2/42

All: 287.385+/-0.029 χ^2/NDF: 4321387.7/81



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: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134647.932+/-0.046 χ^2/NDF: 2298146260.1/4

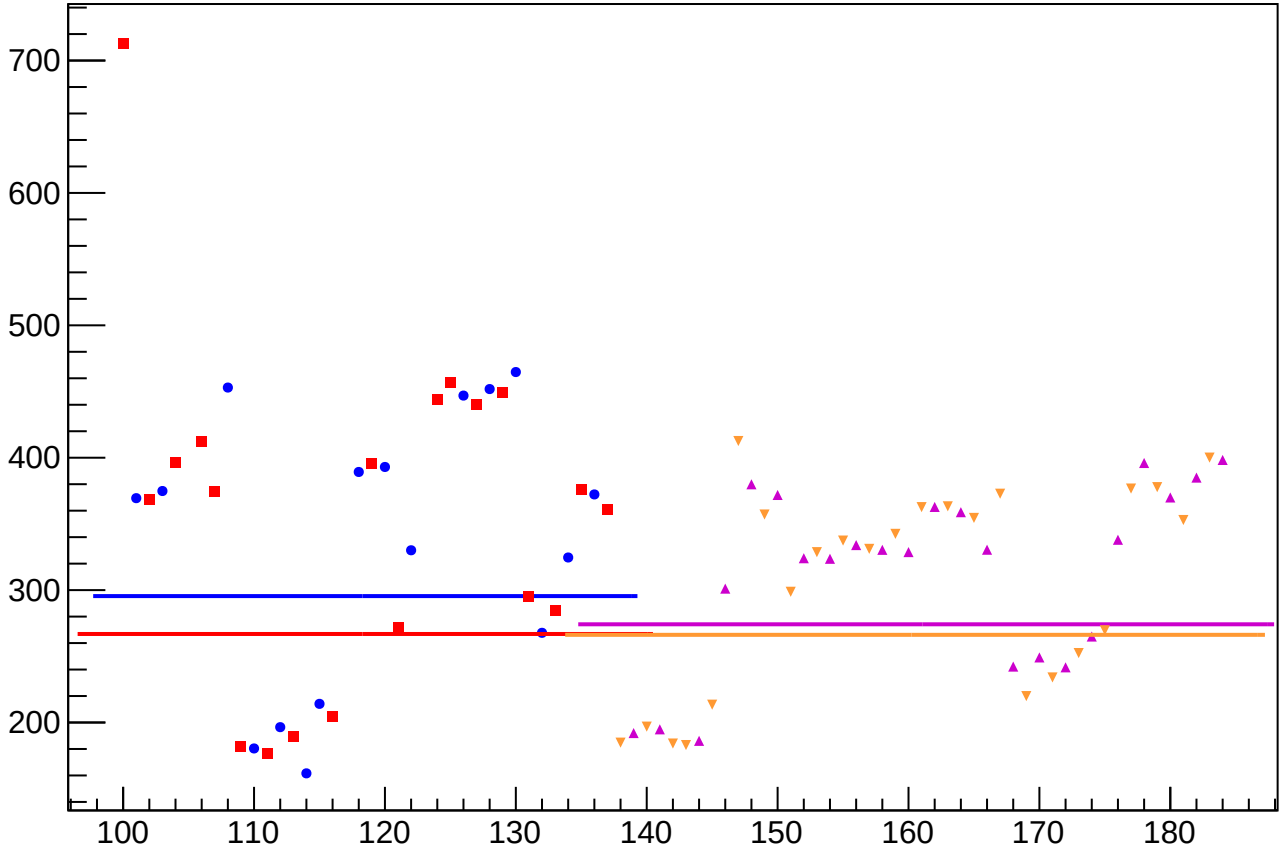
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134892.672+/-0.058 χ^2/NDF:1232799028.8/38

Out: 134973.266+/-0.055 χ^2/NDF:1408176477.7/4

All: 134935.432+/-0.040 χ^2/NDF: 26419916

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: 274.177+/-0.047 χ^2/NDF:2236755.2/22

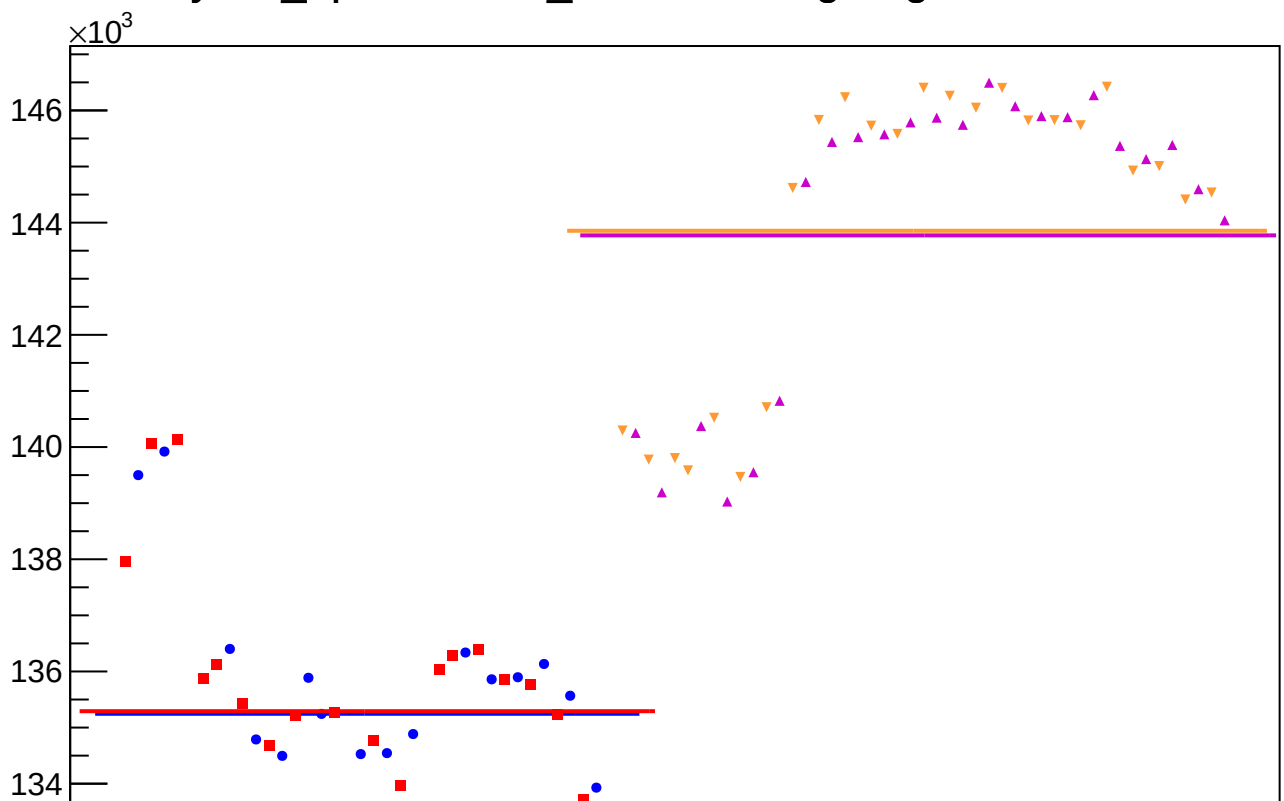
Left: 270.018+/-0.033 χ^2/NDF: 5032601.0/46

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 279.335+/-0.041 χ^2/NDF:3728399.8/38

Out: 266.392+/-0.039 χ^2/NDF:4459184.0/42

All: 272.468+/-0.028 χ^2/NDF: 8240000.8/81



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: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.068+/-0.035 χ^2/NDF: 5934880946.5/4

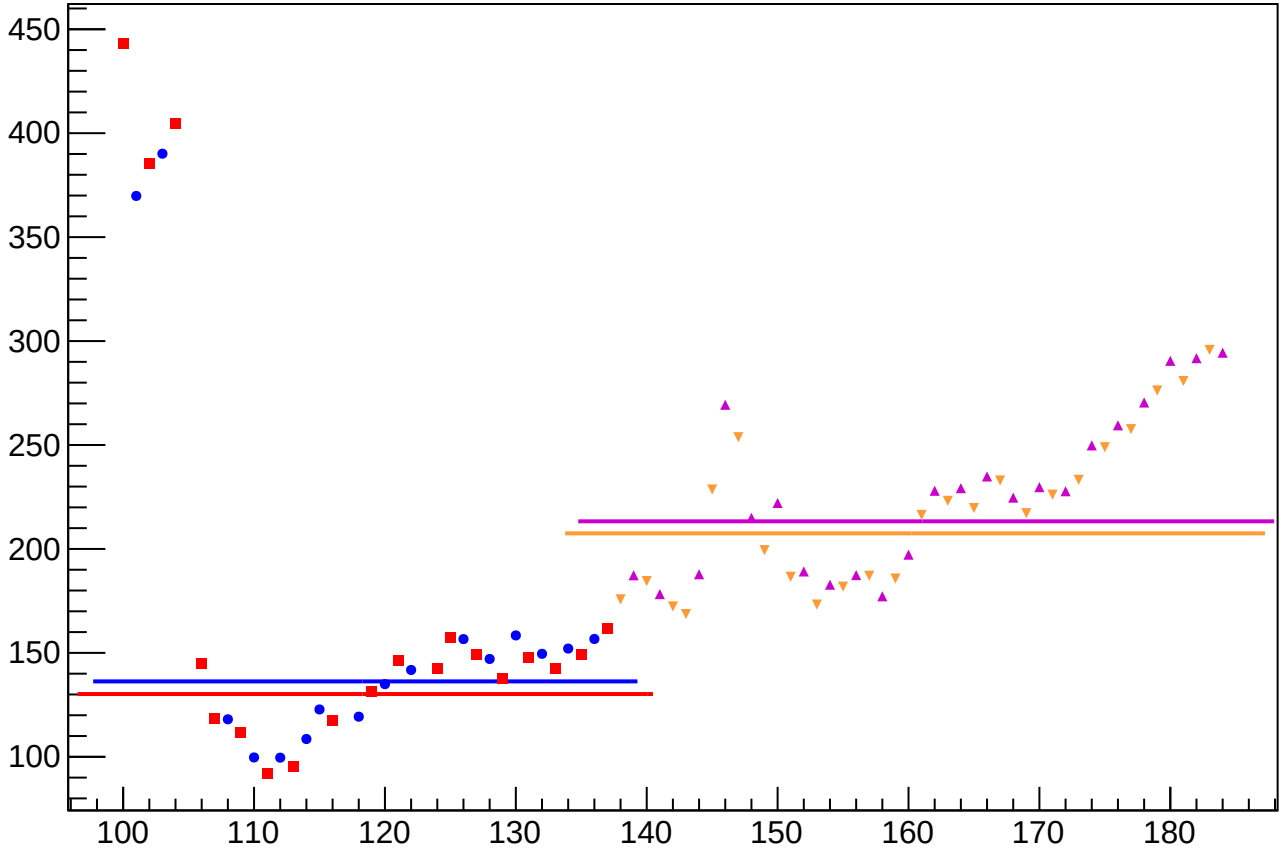
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 139816.106+/-0.037 χ^2/NDF:16204472138.1/3

Out: 139850.269+/-0.035 χ^2/NDF:18087675774.2

All: 139834.074+/-0.026 χ^2/NDF: 34292896

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: 213.288+/-0.036 χ^2/NDF:865525.4/22

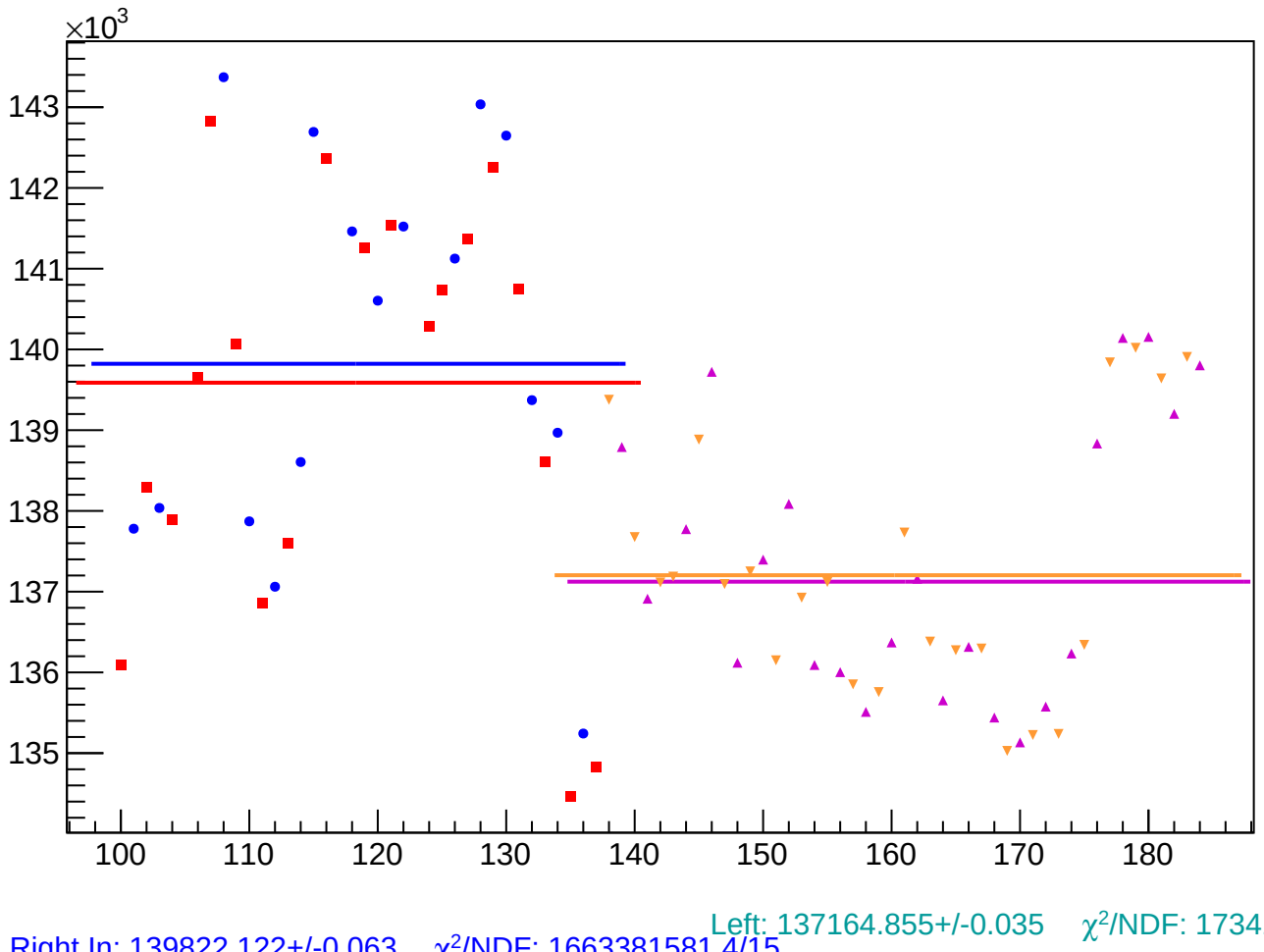
Left: 210.252+/-0.025 χ^2/NDF: 1828337.4/46

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 177.553+/-0.026 χ^2/NDF:4372014.8/38

Out: 171.350+/-0.025 χ^2/NDF:4845061.6/42

All: 174.291+/-0.018 χ^2/NDF: 9246203.6/81



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137203.480+/-0.049 χ^2/NDF:872230758.3/23

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137164.855+/-0.035 χ^2/NDF: 1734139514.0/4

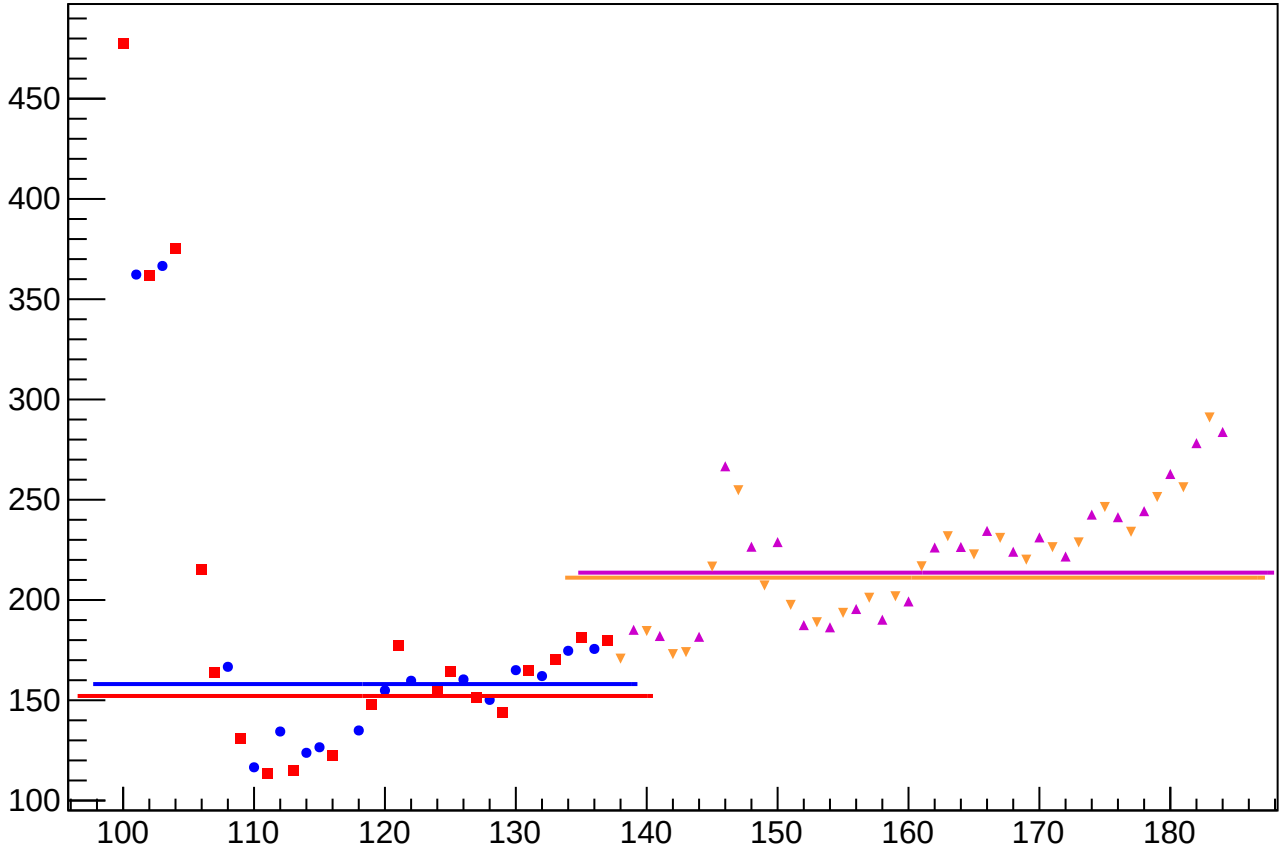
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138197.934+/-0.039 χ^2/NDF:3642771400.1/38

Out: 138168.144+/-0.038 χ^2/NDF:3304135387.4/4

All: 138182.461+/-0.027 χ^2/NDF: 69472023

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: 213.641+/-0.036 χ^2/NDF:621332.1/22

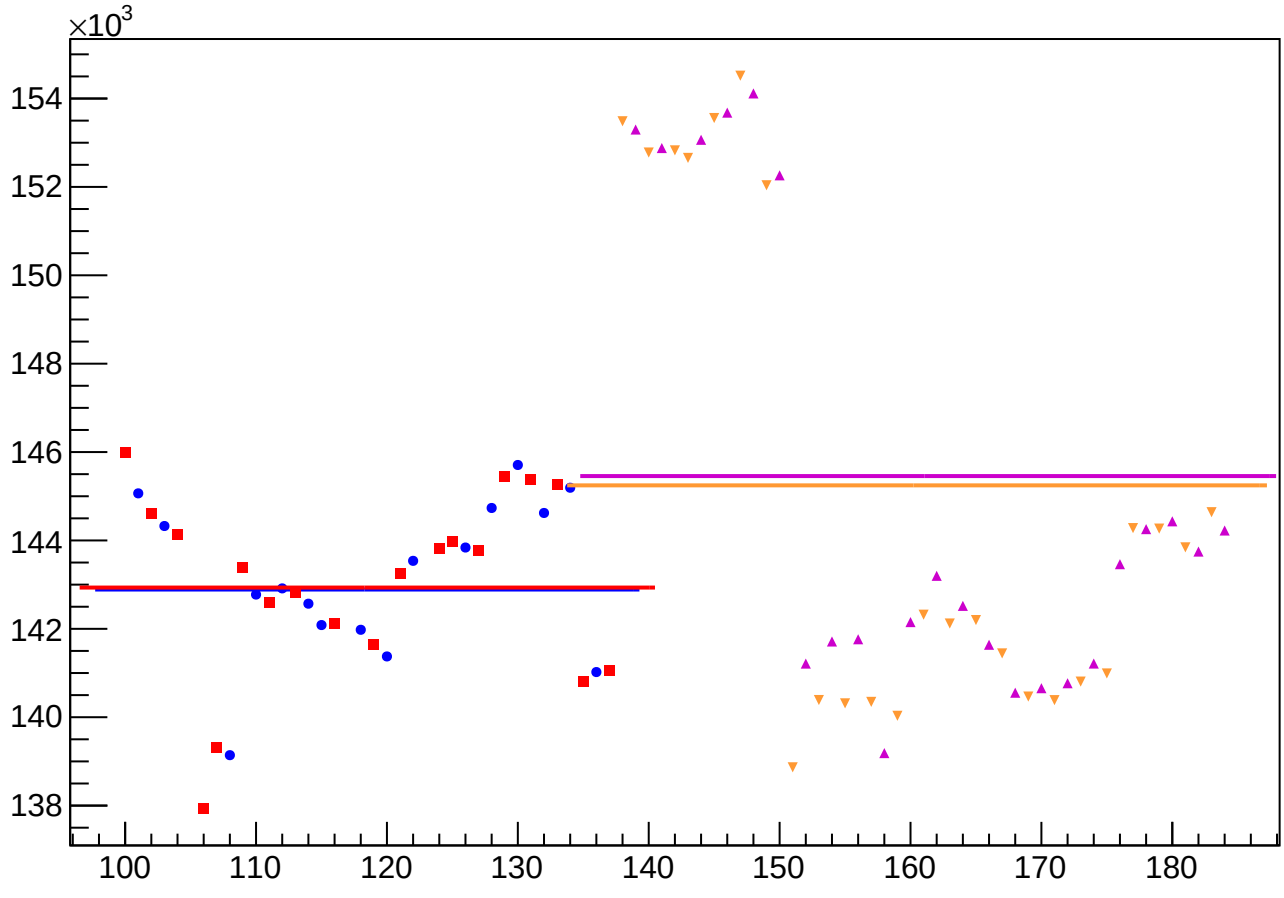
Left: 212.347+/-0.025 χ^2/NDF: 1262976.6/46

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 191.520+/-0.028 χ^2/NDF:2587779.0/38

Out: 187.268+/-0.027 χ^2/NDF:3030213.8/42

All: 189.312+/-0.019 χ^2/NDF: 5630032.5/81



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: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145347.926+/-0.036 χ^2/NDF: 24113714221.1

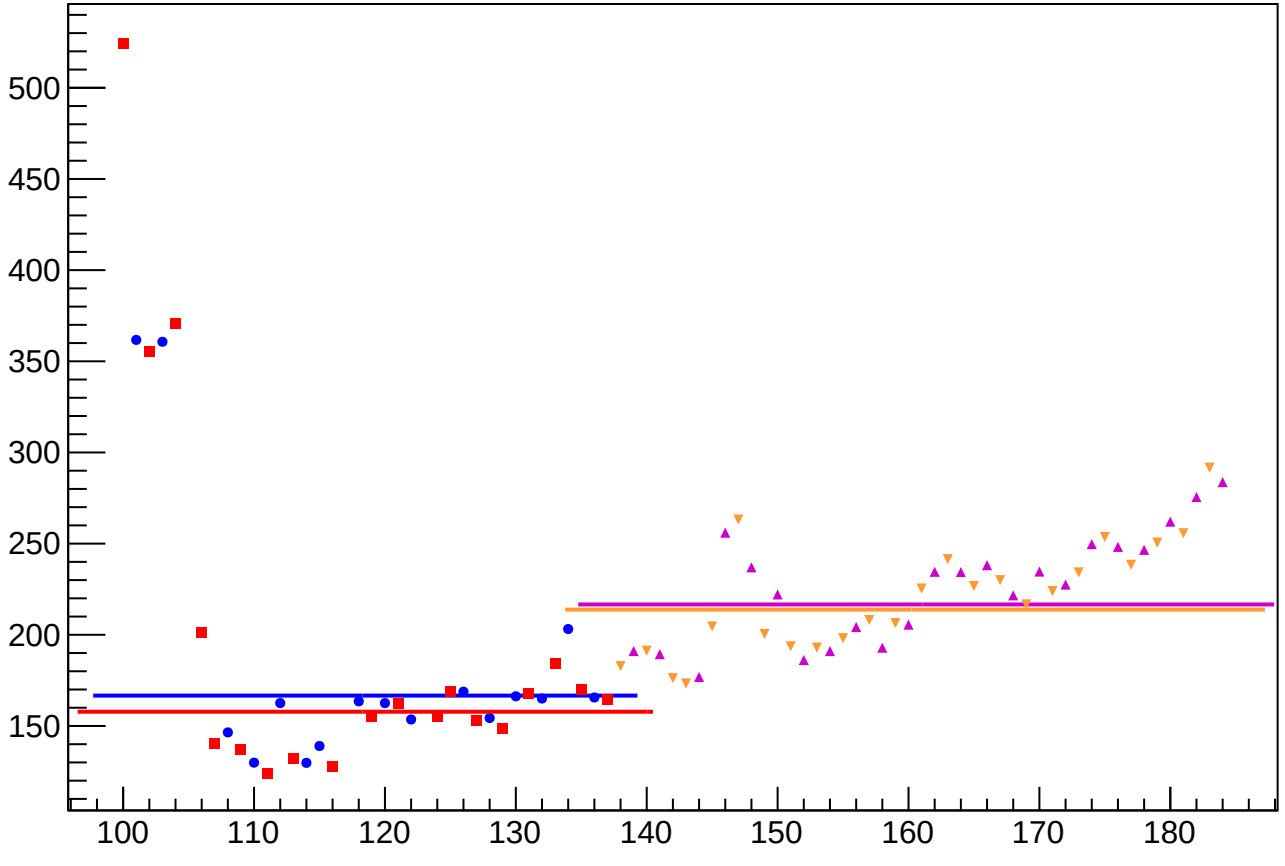
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144477.458+/-0.041 χ^2/NDF:12781299251.6/3

Out: 144331.015+/-0.039 χ^2/NDF:14672709492.7

All: 144400.822+/-0.028 χ^2/NDF: 27460283

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: 216.654+/-0.036 χ^2/NDF:587166.8/22

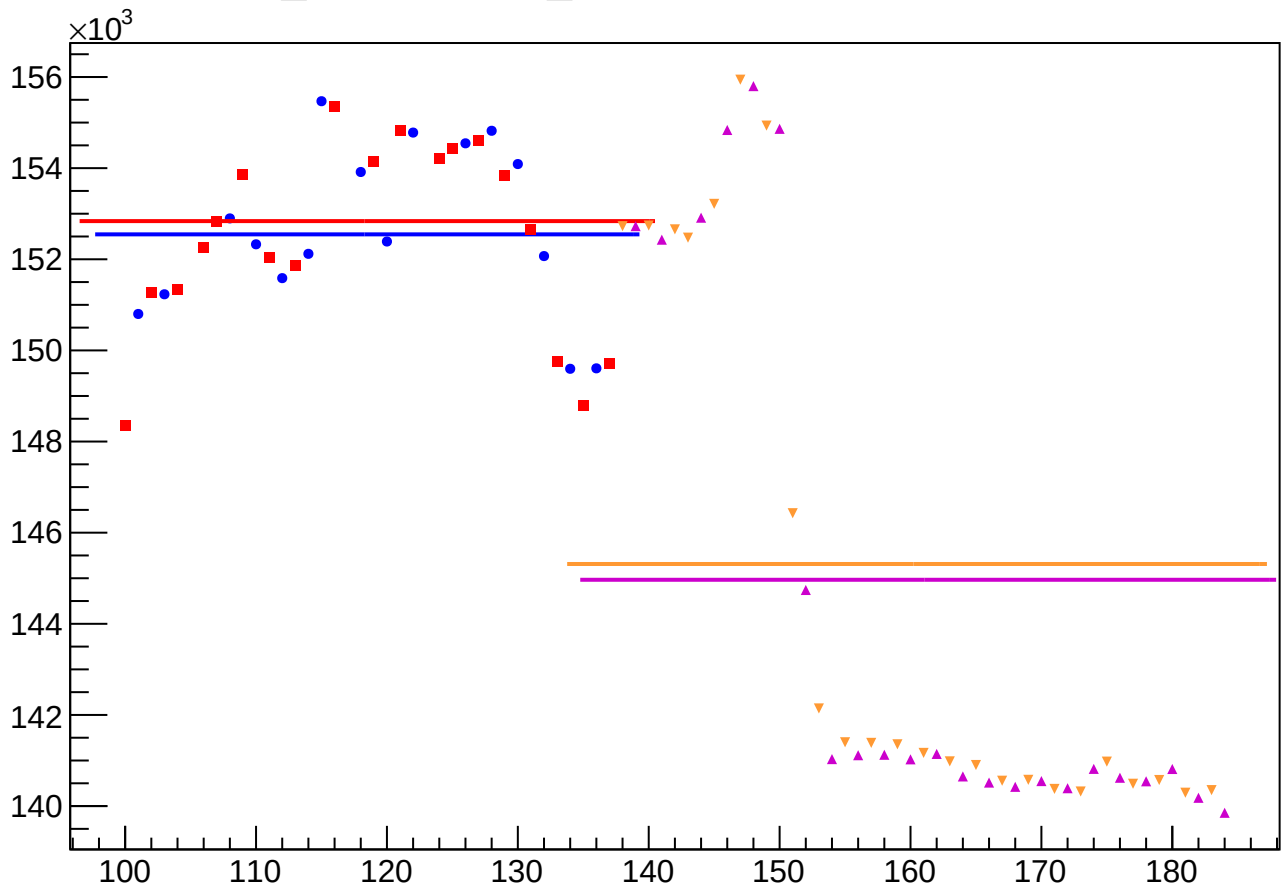
Left: 215.188+/-0.025 χ^2/NDF: 1199307.2/46

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 197.584+/-0.029 χ^2/NDF:2167534.4/38

Out: 191.647+/-0.027 χ^2/NDF:2632360.2/42

All: 194.477+/-0.020 χ^2/NDF: 4822307.7/81



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: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145145.160+/-0.036 χ^2/NDF: 26791277981.4

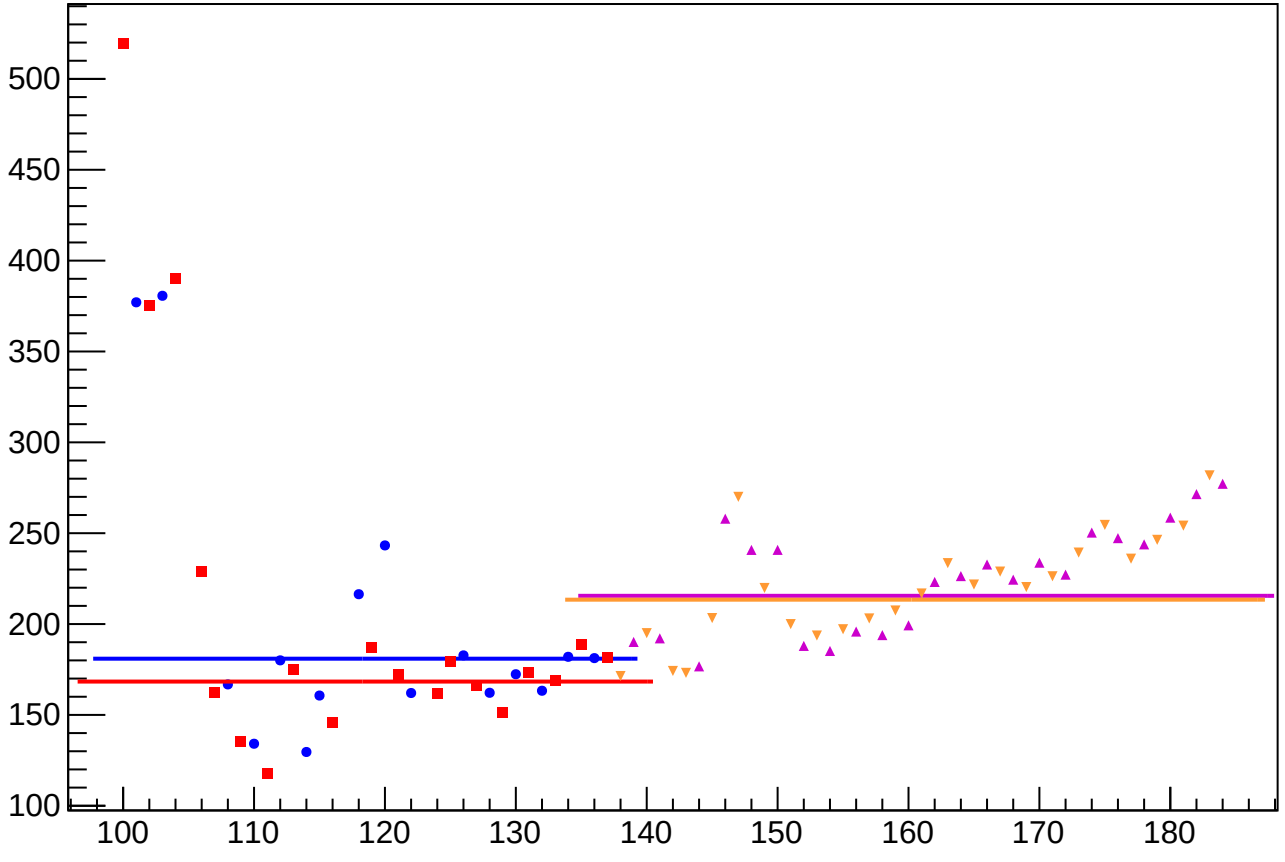
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 147483.877+/-0.042 χ^2/NDF:21087752769.3/3

Out: 147993.538+/-0.040 χ^2/NDF:22553832993.6

All: 147751.562+/-0.029 χ^2/NDF: 43719493

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: 215.539+/-0.036 χ^2/NDF:600575.7/22

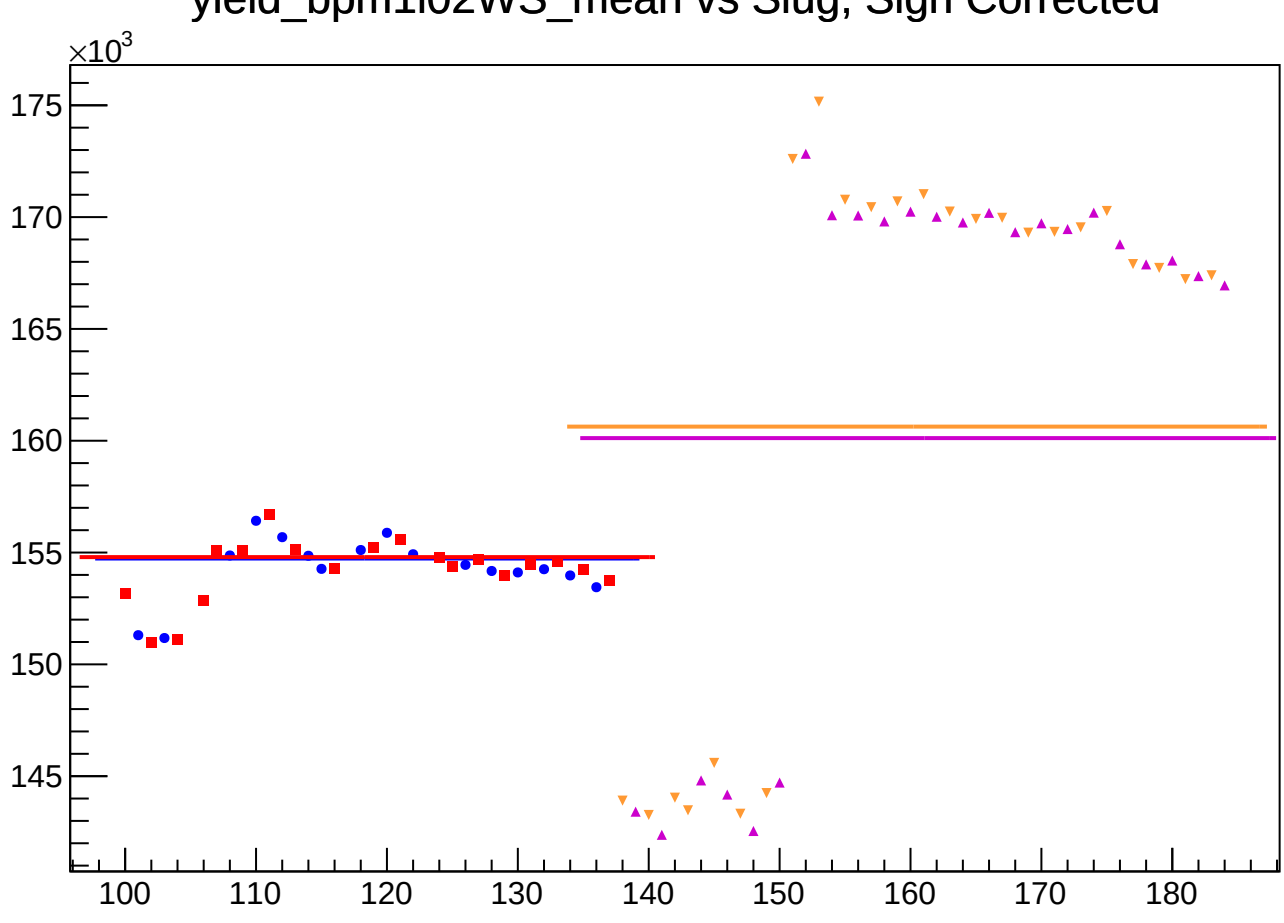
Left: 214.442+/-0.025 χ^2/NDF: 1223855.8/46

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 204.048+/-0.030 χ^2/NDF:1811612.1/38

Out: 197.360+/-0.028 χ^2/NDF:2299038.3/42

All: 200.535+/-0.020 χ^2/NDF: 4137478.4/81



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 160631.679+/-0.048 χ^2/NDF:74033954974.9/23

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160384.351+/-0.034 χ^2/NDF: 140643389122.

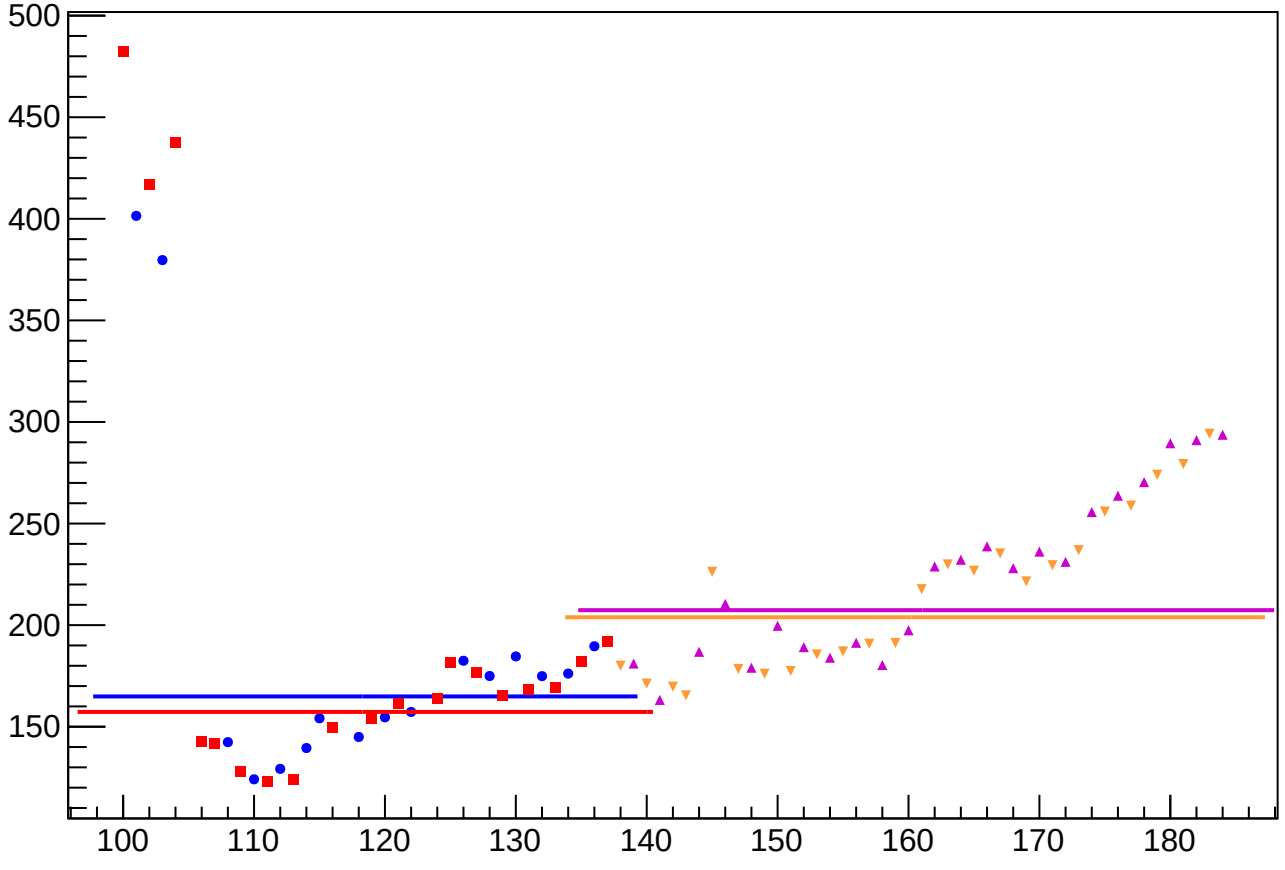
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 158153.716+/-0.039 χ^2/NDF:71160726507.0/3

Out: 158428.680+/-0.038 χ^2/NDF:80023403238.7

All: 158297.823+/-0.027 χ^2/NDF: 15120969

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: 207.368+/-0.035 χ^2/NDF:956644.0/22

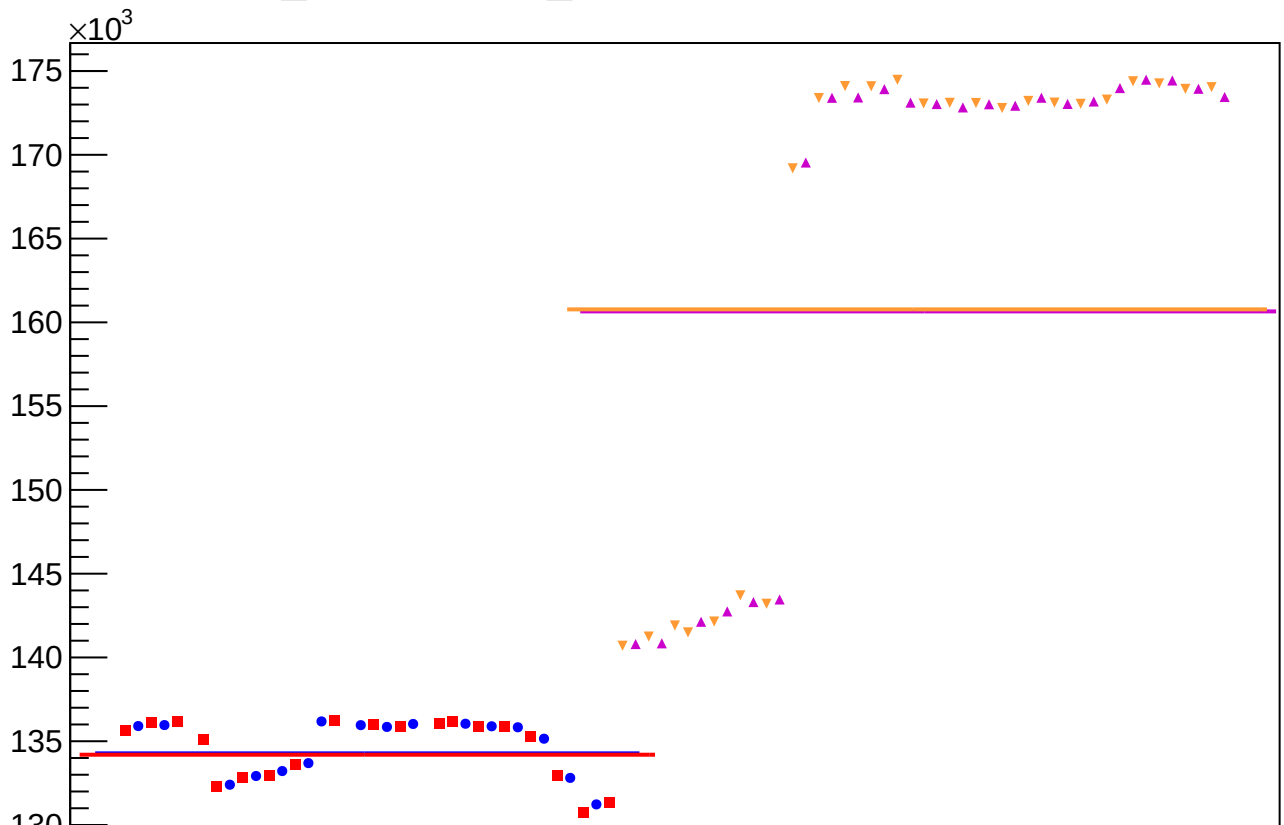
Left: 205.554+/-0.024 χ^2/NDF: 1987616.2/46

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 191.882+/-0.028 χ^2/NDF:2568344.6/38

Out: 186.285+/-0.027 χ^2/NDF:3005317.0/42

All: 188.949+/-0.019 χ^2/NDF: 5594840.3/81



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 160775.532+/-0.049 χ^2/NDF:98792086652.4/23

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160717.348+/-0.035 χ^2/NDF: 188944801007.

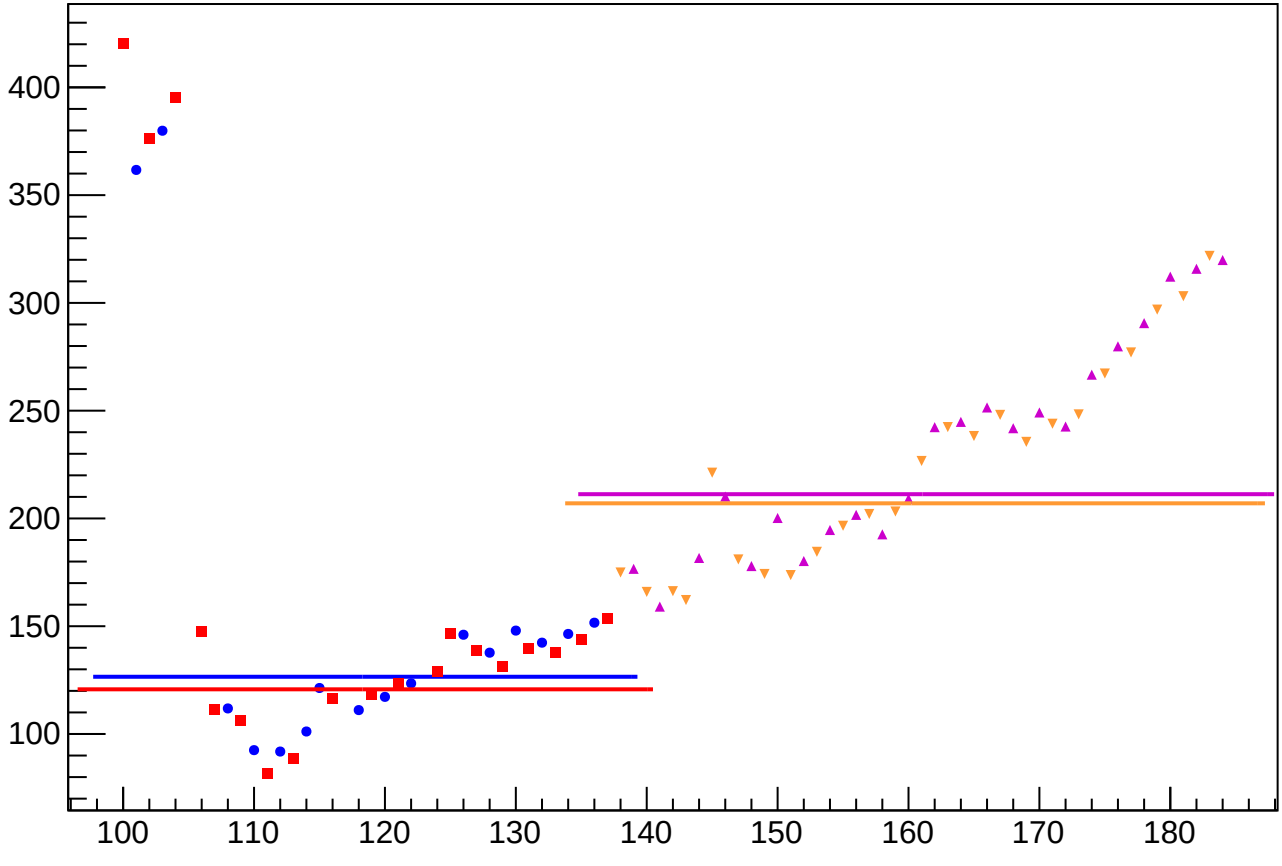
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 147521.990+/-0.036 χ^2/NDF:226551001373.3

Out: 147320.646+/-0.034 χ^2/NDF:251582312579.

All: 147416.348+/-0.025 χ^2/NDF: 47814985

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: 211.254+/-0.036 χ^2/NDF:1305730.5/22

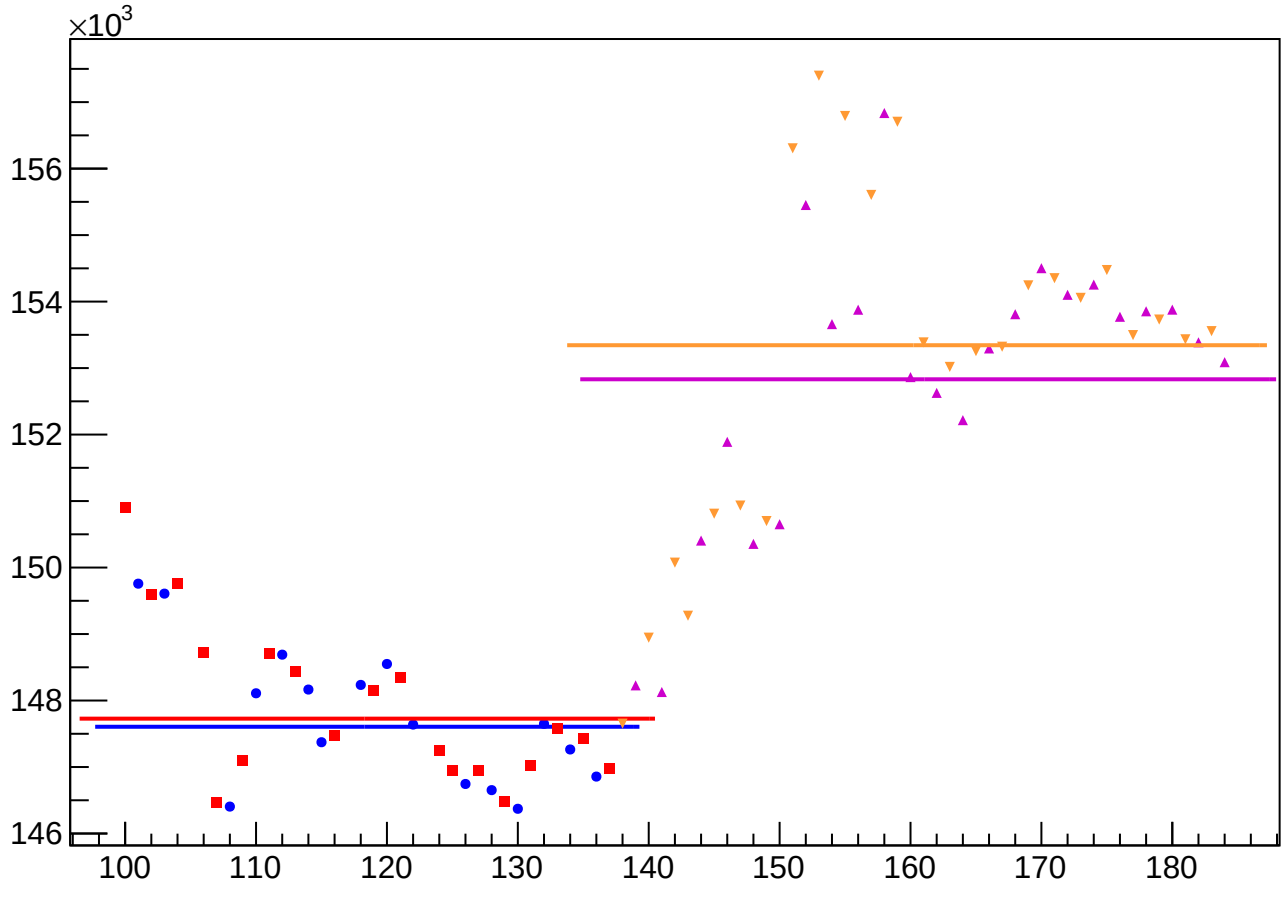
Left: 209.049+/-0.025 χ^2/NDF: 2748675.1/46

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

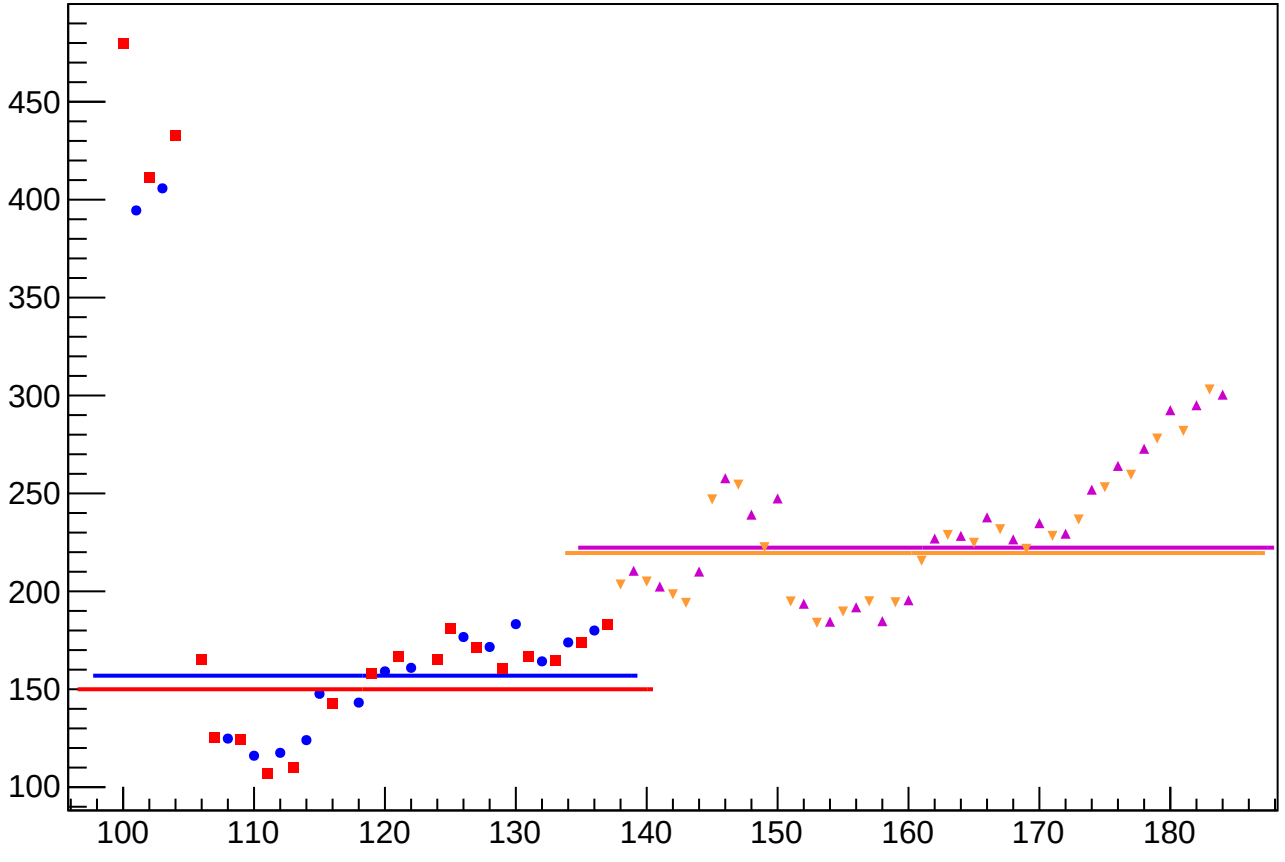
In: 169.085+/-0.025 χ^2/NDF:5572557.3/38

Out: 163.335+/-0.024 χ^2/NDF:6263763.4/42

All: 166.068+/-0.017 χ^2/NDF: 11863300.1/81


yield_bpm1i06WS_mean vs Slug, Sign Corrected
×10^3
156
154
152
150
148
146
100
110
120
130
140
150
160
170
180
Right In: 147605.604+/-0.062 χ²/NDF: 200513366.5/15
Left Out: 153343.798+/-0.051 χ²/NDF:2978577882.6/23
Right Out: 147727.598+/-0.059 χ²/NDF: 194800119.4/18
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
Left: 153096.549+/-0.037 χ²/NDF: 4941707403.7/4
Right: 147670.157+/-0.043 χ²/NDF: 397331184.2/3
In: 150654.005+/-0.040 χ²/NDF:6196452212.6/38
Out: 150939.576+/-0.039 χ²/NDF:8367445979.7/4
All: 150803.188+/-0.028 χ²/NDF: 14590095

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: 222.304+/-0.037 χ^2/NDF:697605.9/22

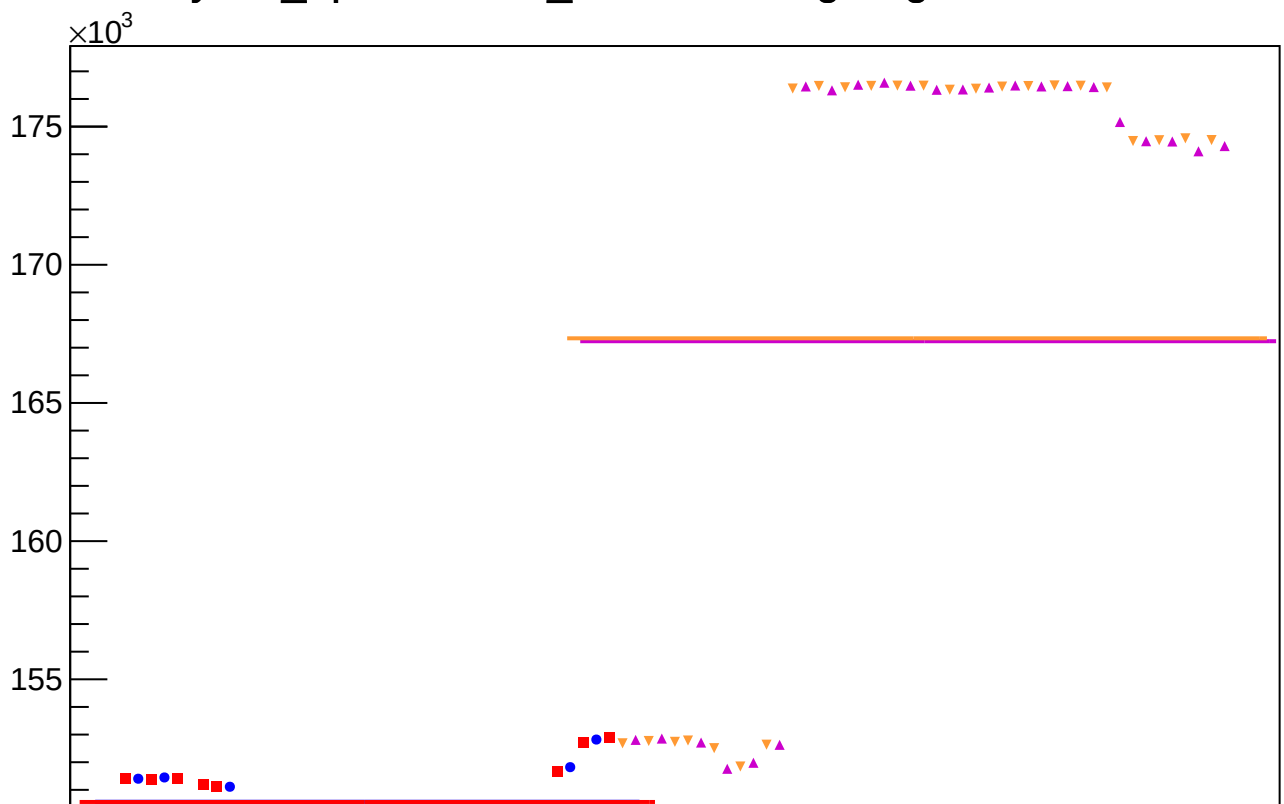
Left: 220.879+/-0.026 χ^2/NDF: 1347223.9/46

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 195.064+/-0.029 χ^2/NDF:3240995.2/38

Out: 189.774+/-0.027 χ^2/NDF:3694081.9/42

All: 192.300+/-0.020 χ^2/NDF: 6953059.1/81



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: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167288.887+/-0.034 χ^2/NDF: 114551097520.

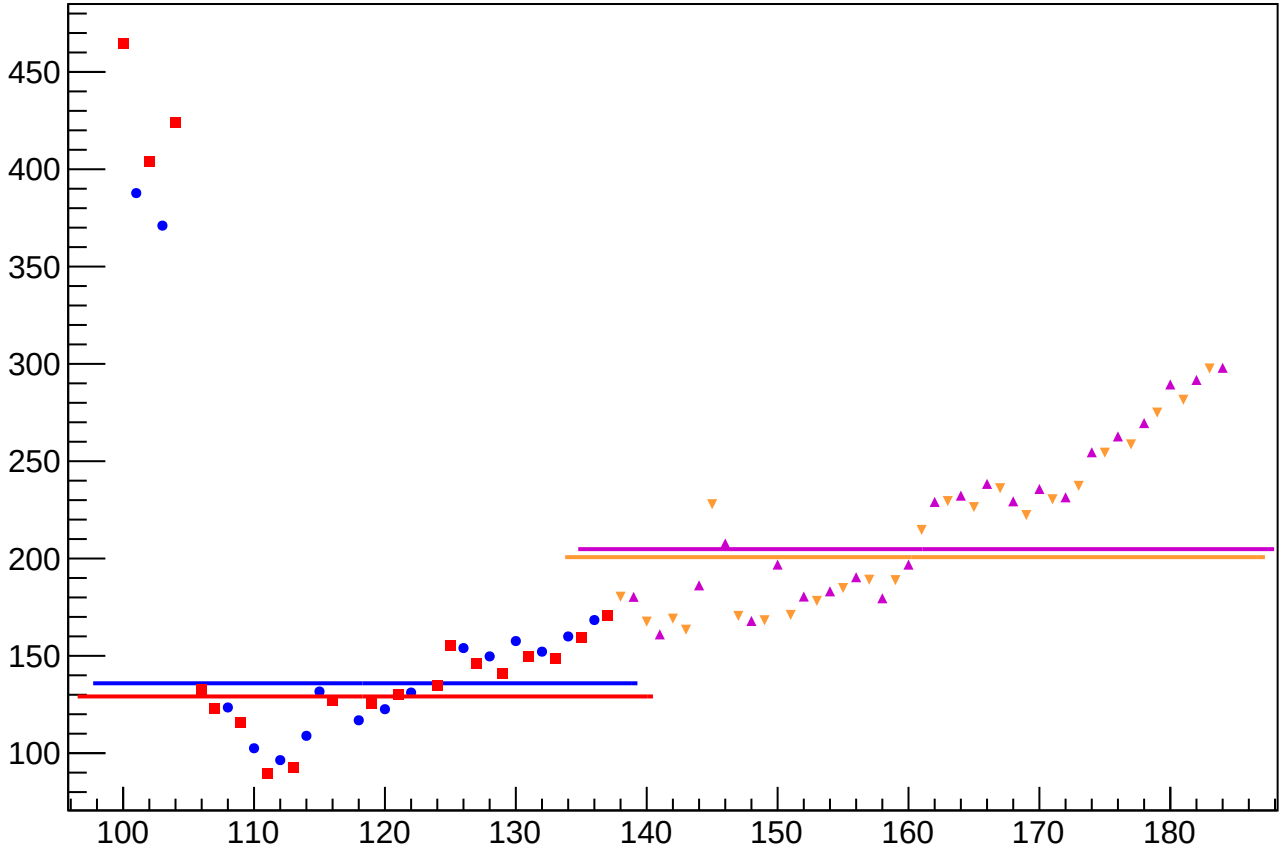
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159823.075+/-0.036 χ^2/NDF:107051357962.8

Out: 159652.077+/-0.035 χ^2/NDF:118325909096.

All: 159732.979+/-0.025 χ^2/NDF: 22538883

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: 204.826+/-0.035 χ^2/NDF:1053130.7/22

Left: 202.682+/-0.024 χ^2/NDF: 2236164.3/46

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 174.173+/-0.026 χ^2/NDF:4238833.6/38

Out: 167.913+/-0.024 χ^2/NDF:4925998.3/42

All: 170.875+/-0.018 χ^2/NDF: 9195970.6/81

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: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174662.141+/-0.035 χ^2/NDF: 112825605163.

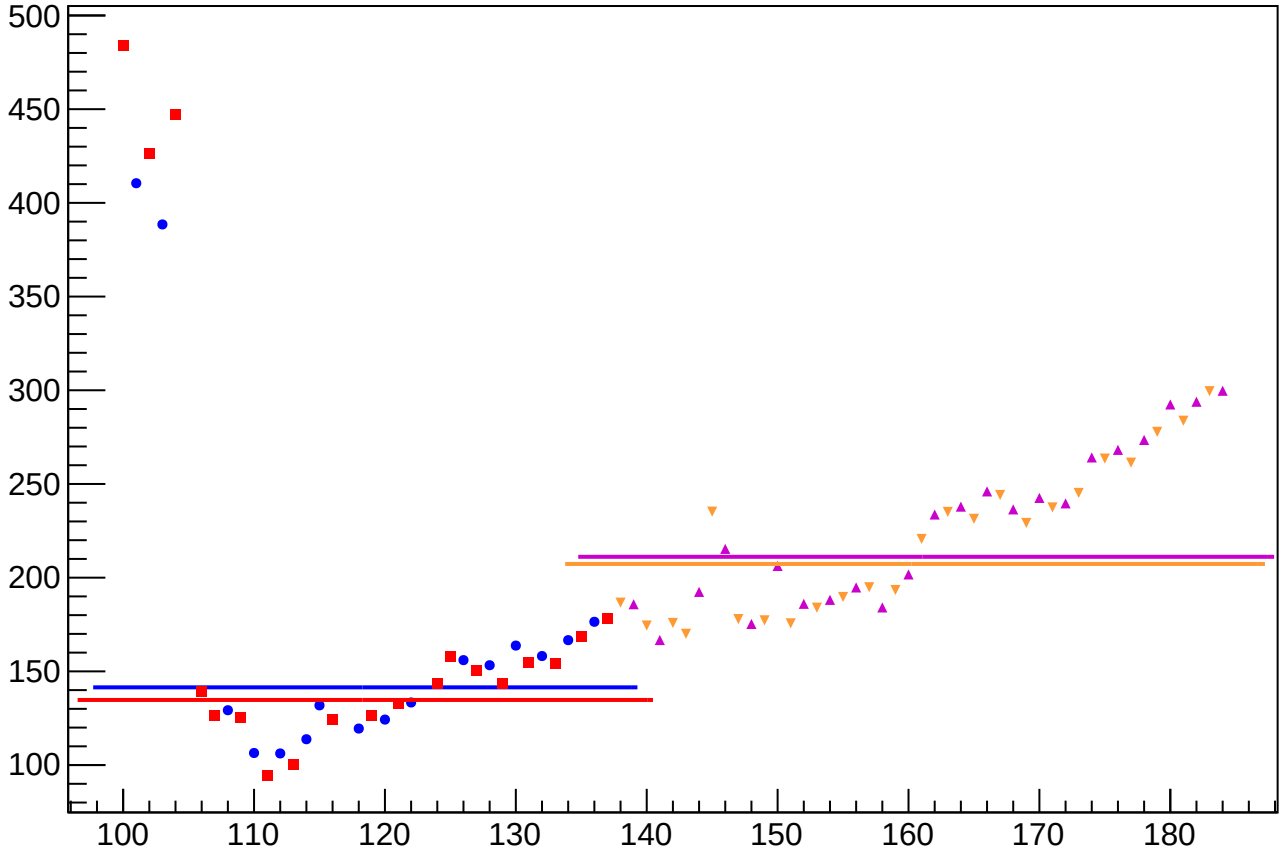
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6

In: 166614.092+/-0.038 χ^2/NDF:112857206901.8

Out: 166459.347+/-0.036 χ^2/NDF:123945163463.

All: 166532.698+/-0.026 χ^2/NDF: 23681124

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: 211.133+/-0.036 χ^2/NDF:993720.4/22

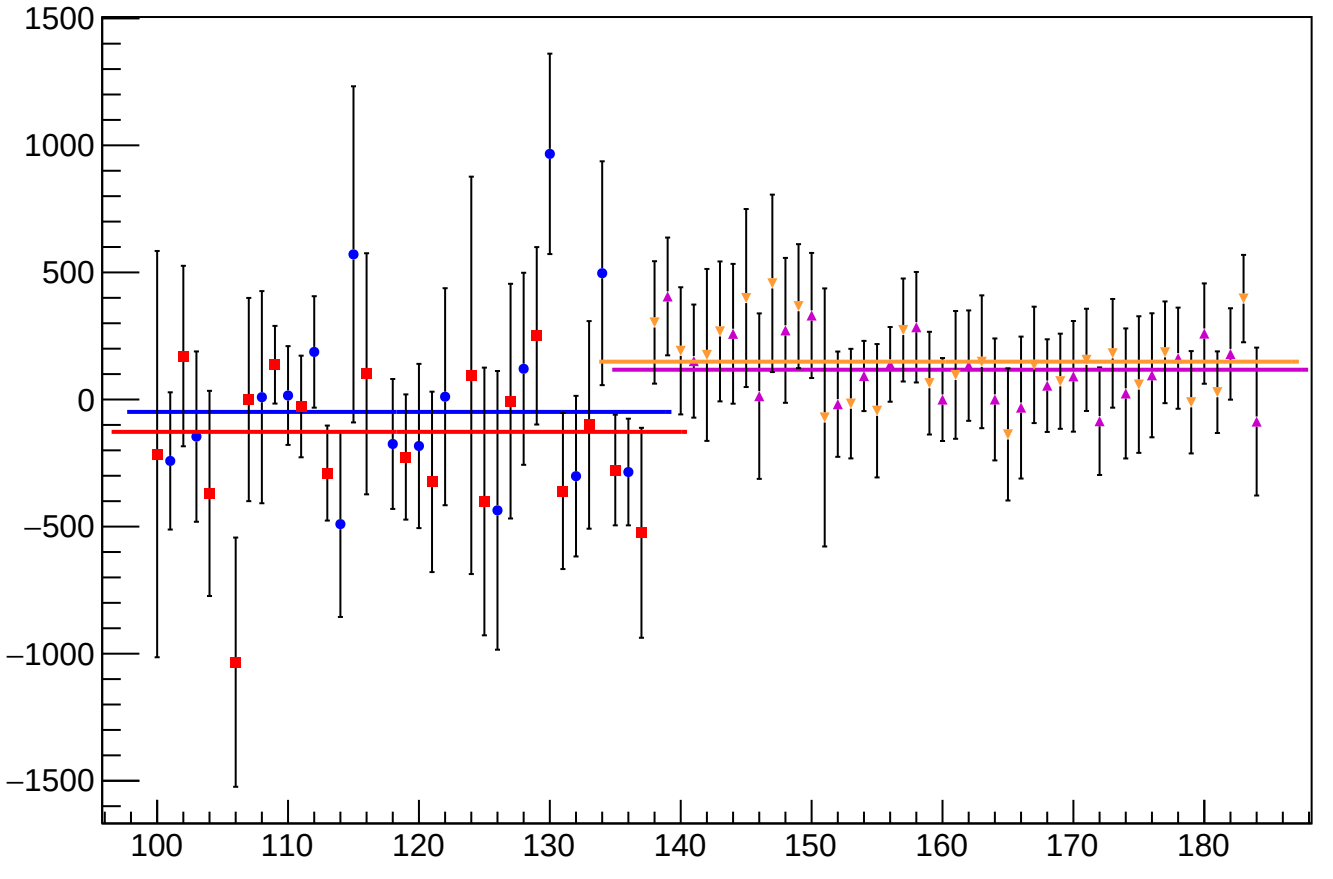
Left: 209.150+/-0.025 χ^2/NDF: 2082667.4/46

Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 180.499+/-0.027 χ^2/NDF:4070282.8/38

Out: 174.428+/-0.025 χ^2/NDF:4702733.4/42

All: 177.305+/-0.018 χ^2/NDF: 8800330.9/81



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: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 131.904+/-32.034 χ^2/NDF: 17.2/46

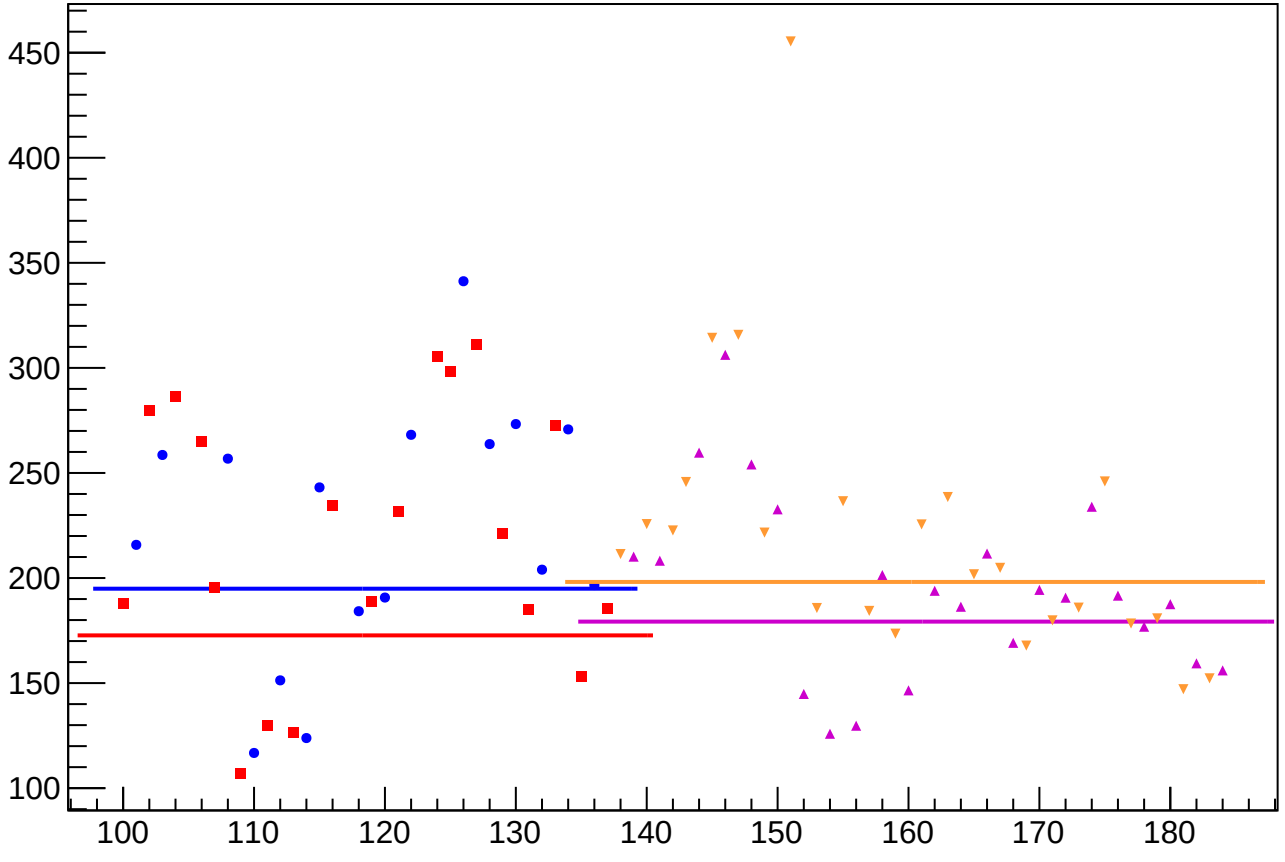
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 76.307+/-38.008 χ^2/NDF:26.4/38

Out: 60.515+/-38.756 χ^2/NDF:33.4/42

All: 68.565+/-27.136 χ^2/NDF: 59.9/81

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: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 188.028+/-0.023 χ^2/NDF: 3588254.1/46

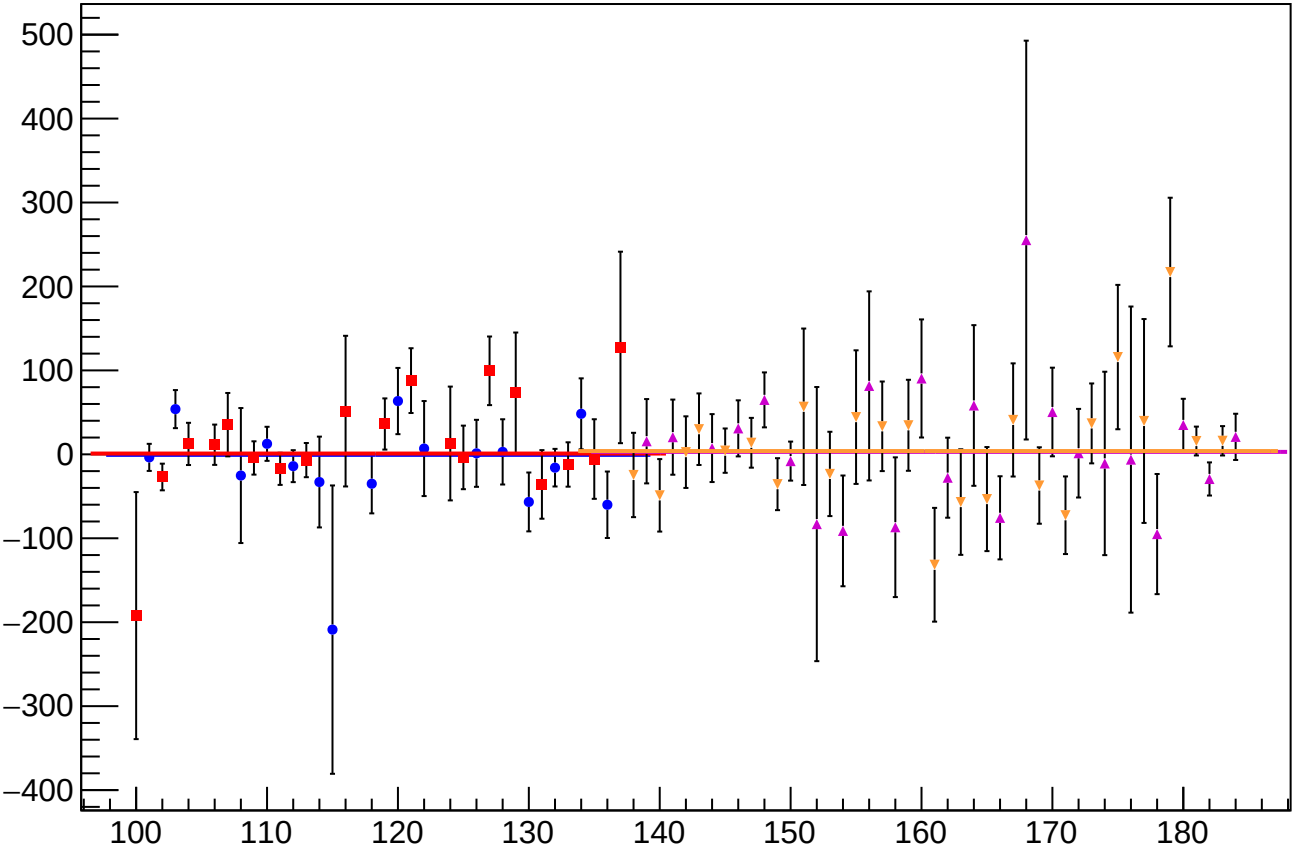
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.114+/-0.027 χ^2/NDF:2747998.5/38

Out: 189.999+/-0.027 χ^2/NDF:3578182.2/42

All: 186.489+/-0.019 χ^2/NDF: 6358355.4/81

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: 2.918+/-8.840 χ^2/NDF:21.5/22

Left: 3.466+/-5.859 χ^2/NDF: 45.6/46

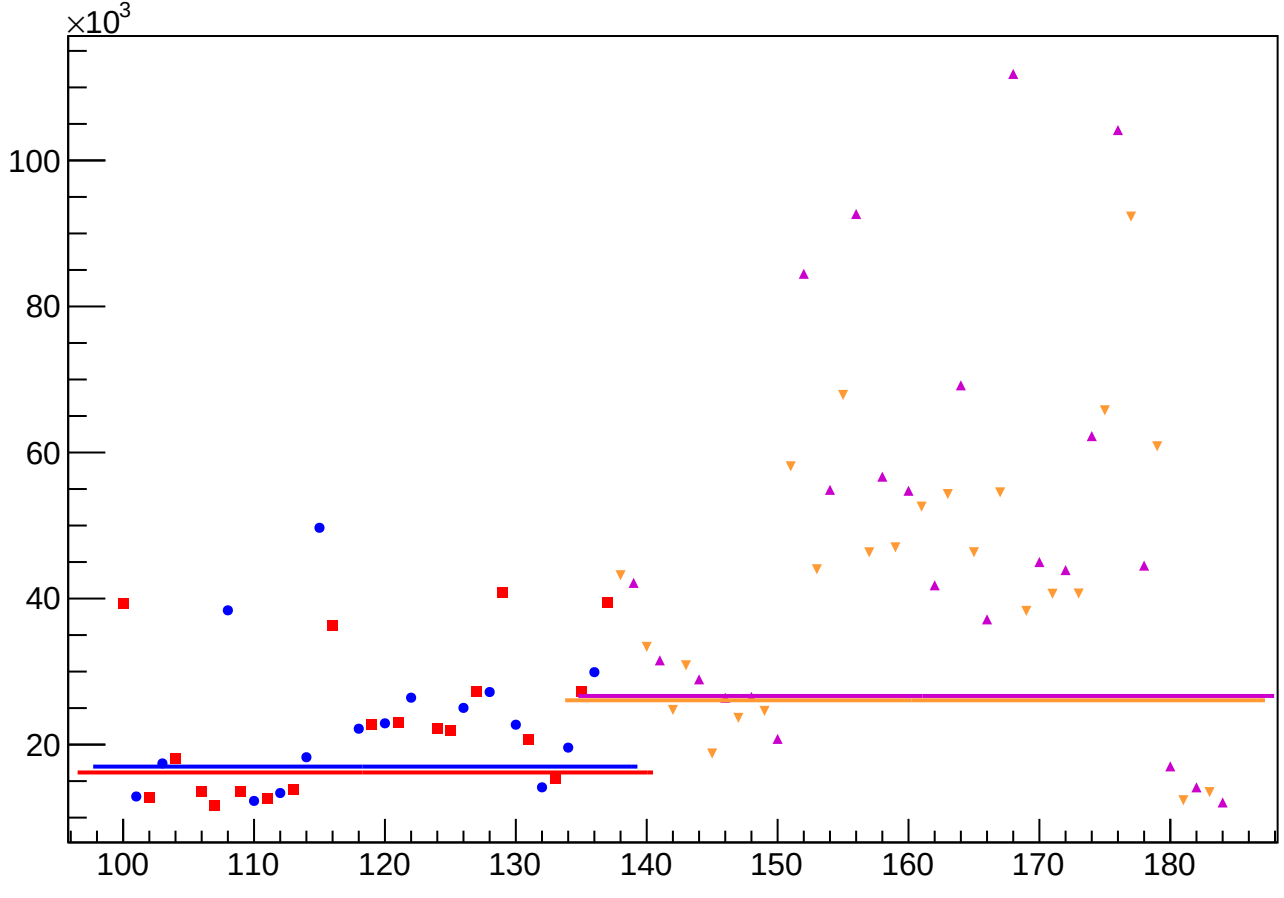
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 0.822+/-5.647 χ^2/NDF:40.5/38

Out: 2.204+/-5.118 χ^2/NDF:47.2/42

All: 1.580+/-3.792 χ^2/NDF: 87.7/81

asym_bcm_an_diff_rms vs Slug, Sign Corrected



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: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

Left: 26327.904+/-4.143 χ^2/NDF: 13451909.0/46

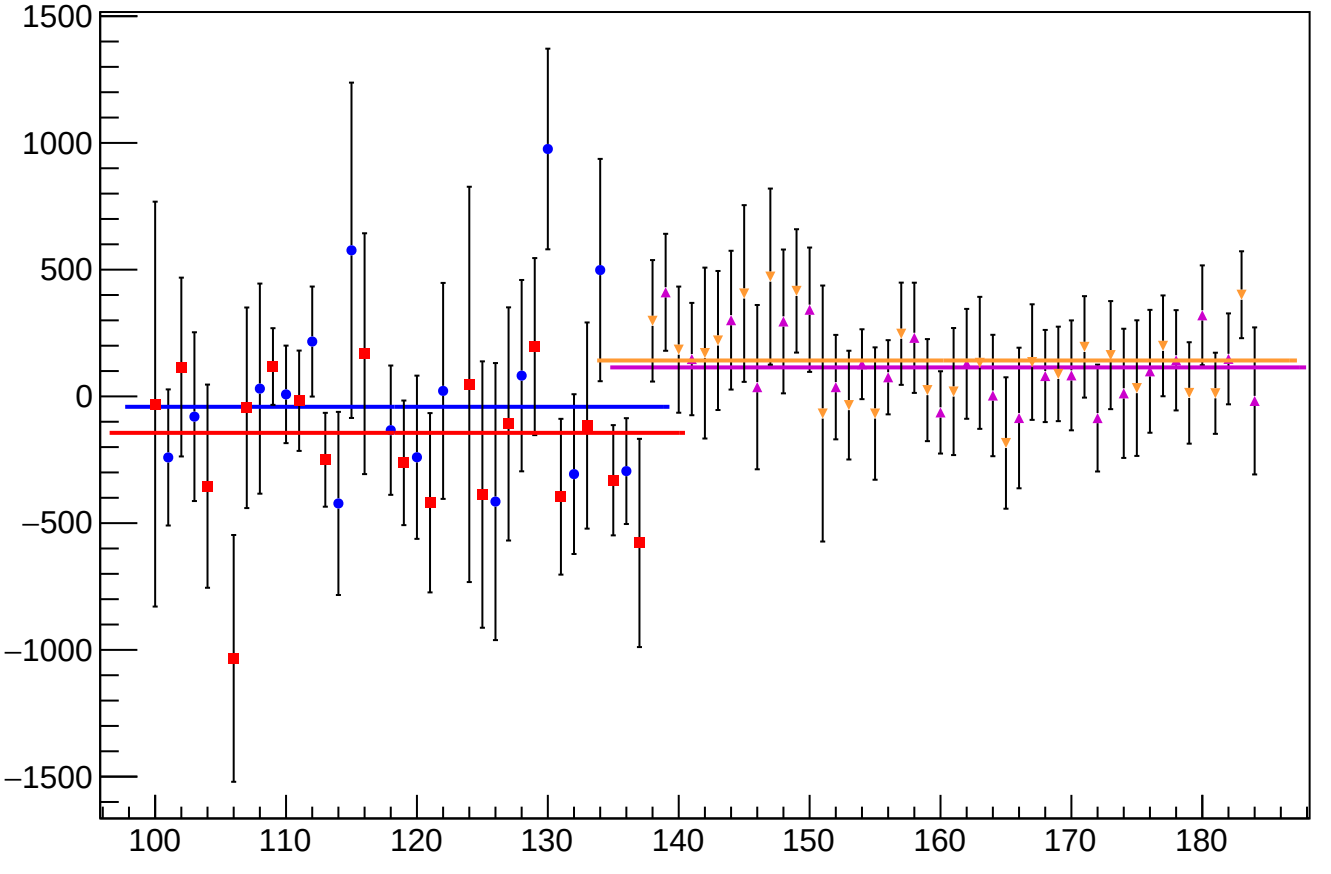
Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 20934.431+/-3.993 χ^2/NDF:8495079.0/38

Out: 20412.282+/-3.619 χ^2/NDF:10641552.4/42

All: 20647.754+/-2.682 χ^2/NDF: 19146018.5

asym_bcm_an_ds_mean vs Slug, Sign Corrected



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: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 127.093+/-31.910 χ^2/NDF: 19.5/46

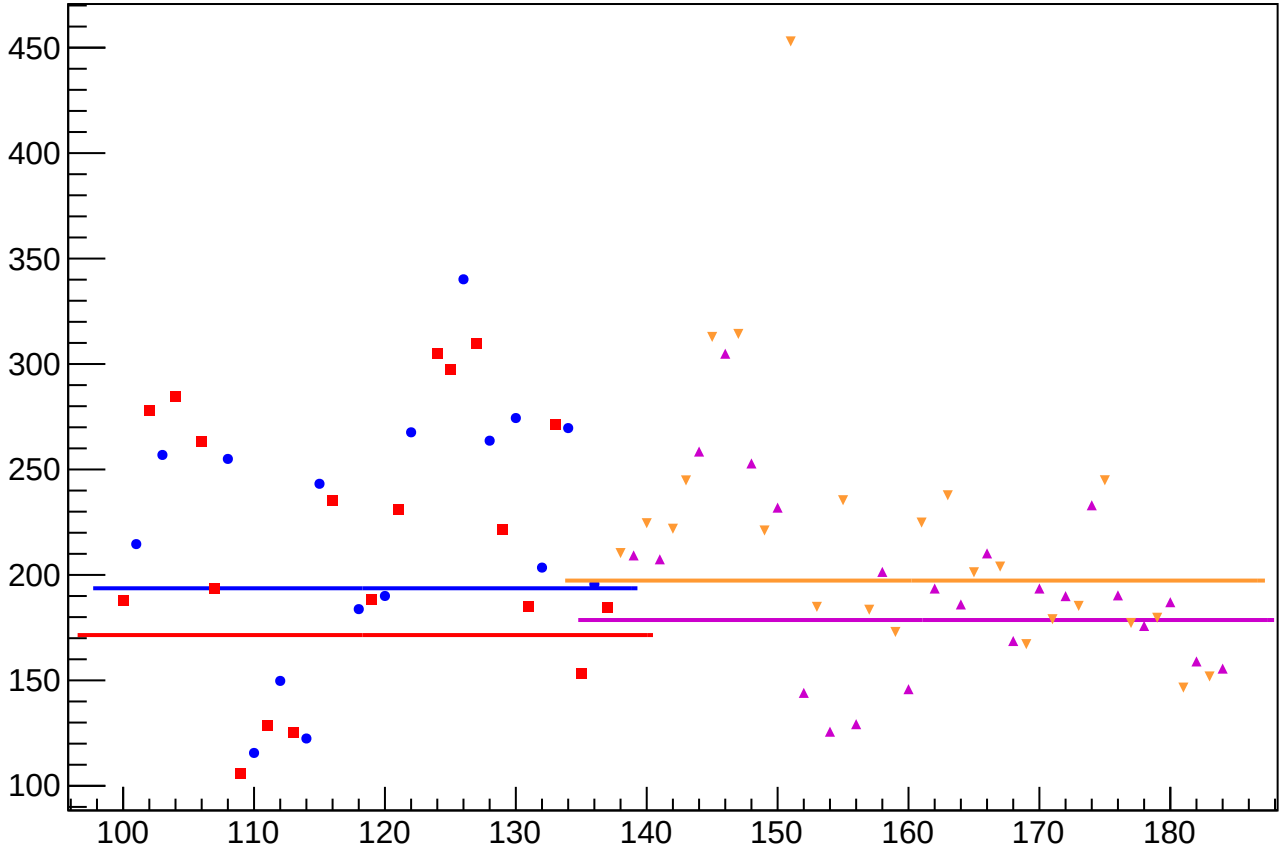
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 76.002+/-37.851 χ^2/NDF:27.0/38

Out: 50.070+/-38.568 χ^2/NDF:35.9/42

All: 63.279+/-27.015 χ^2/NDF: 63.1/81

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: 178.621+/-0.031 χ^2/NDF:1651873.8/22

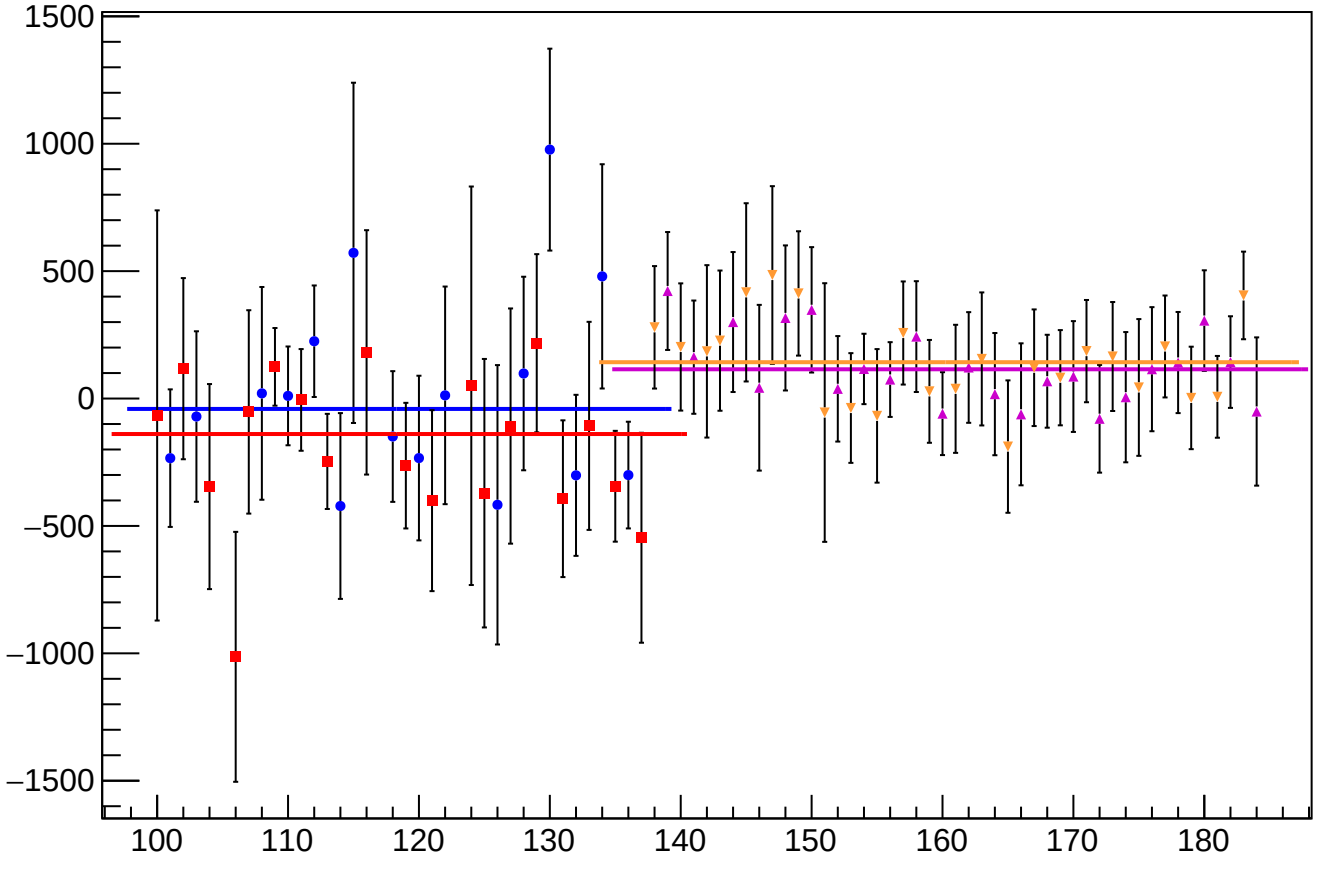
Left: 187.313+/-0.023 χ^2/NDF: 3579904.4/46

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 182.338+/-0.027 χ^2/NDF:2760455.5/38

Out: 189.029+/-0.027 χ^2/NDF:3605760.3/42

All: 185.621+/-0.019 χ^2/NDF: 6396876.9/81



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: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 127.730+/-32.006 χ^2/NDF: 19.8/46

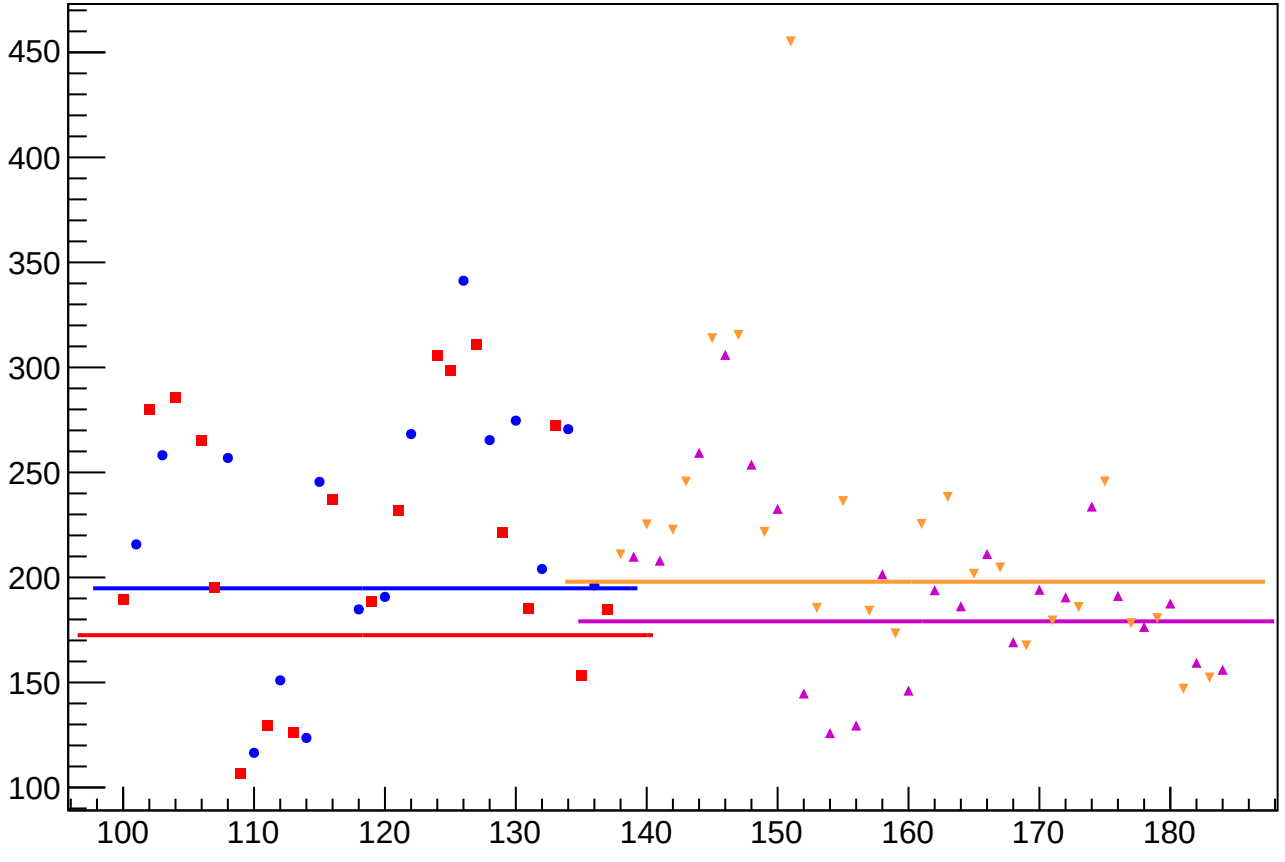
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 76.530+/-37.981 χ^2/NDF:26.9/38

Out: 52.422+/-38.724 χ^2/NDF:35.6/42

All: 64.709+/-27.116 χ^2/NDF: 62.7/81

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: 179.101+/-0.031 χ^2/NDF:1655866.1/22

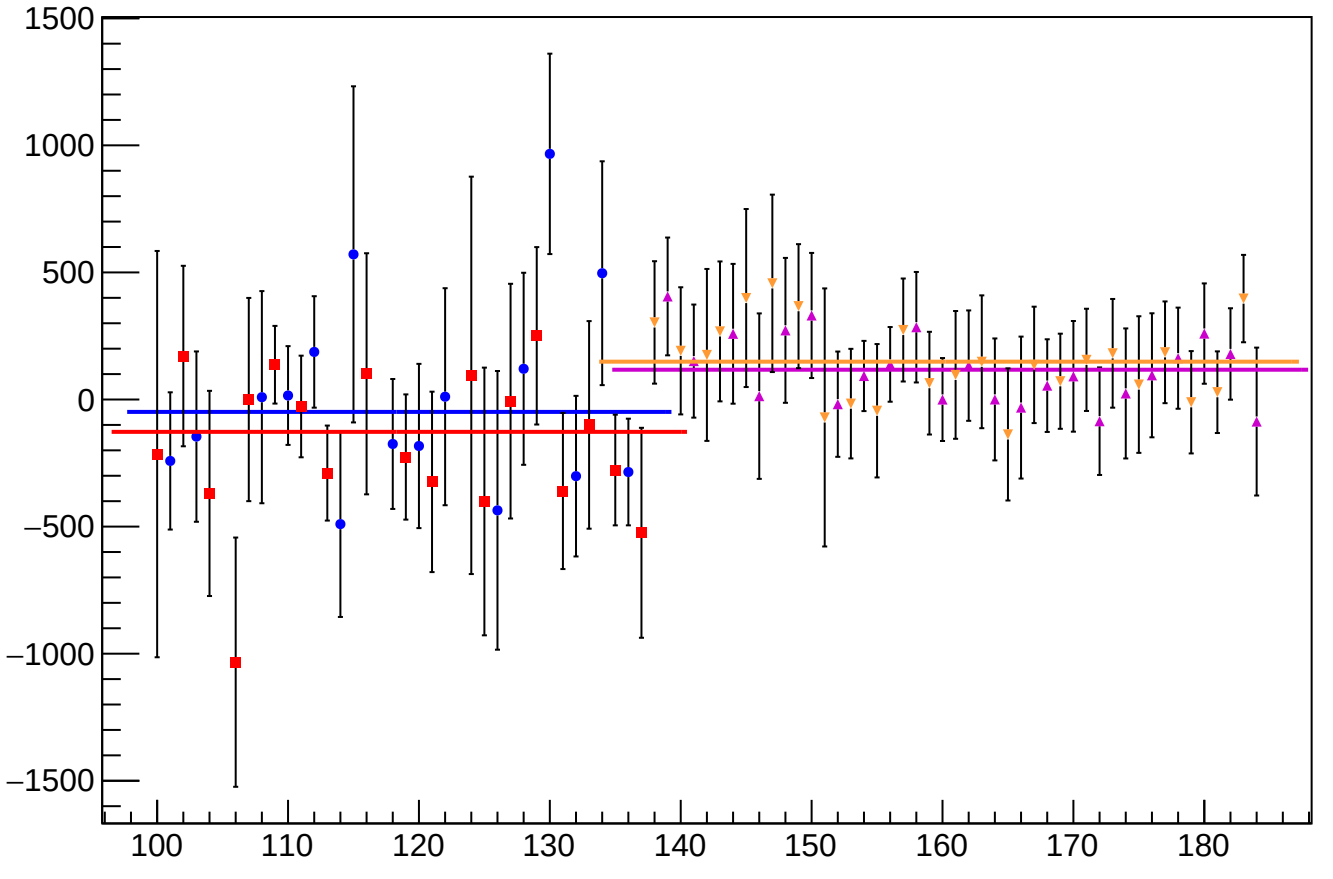
Left: 187.864+/-0.023 χ^2/NDF: 3587580.5/46

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 182.967+/-0.027 χ^2/NDF:2758498.6/38

Out: 189.819+/-0.027 χ^2/NDF:3589042.7/42

All: 186.327+/-0.019 χ^2/NDF: 6379455.7/81



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: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 131.904+/-32.034 χ^2/NDF: 17.2/46

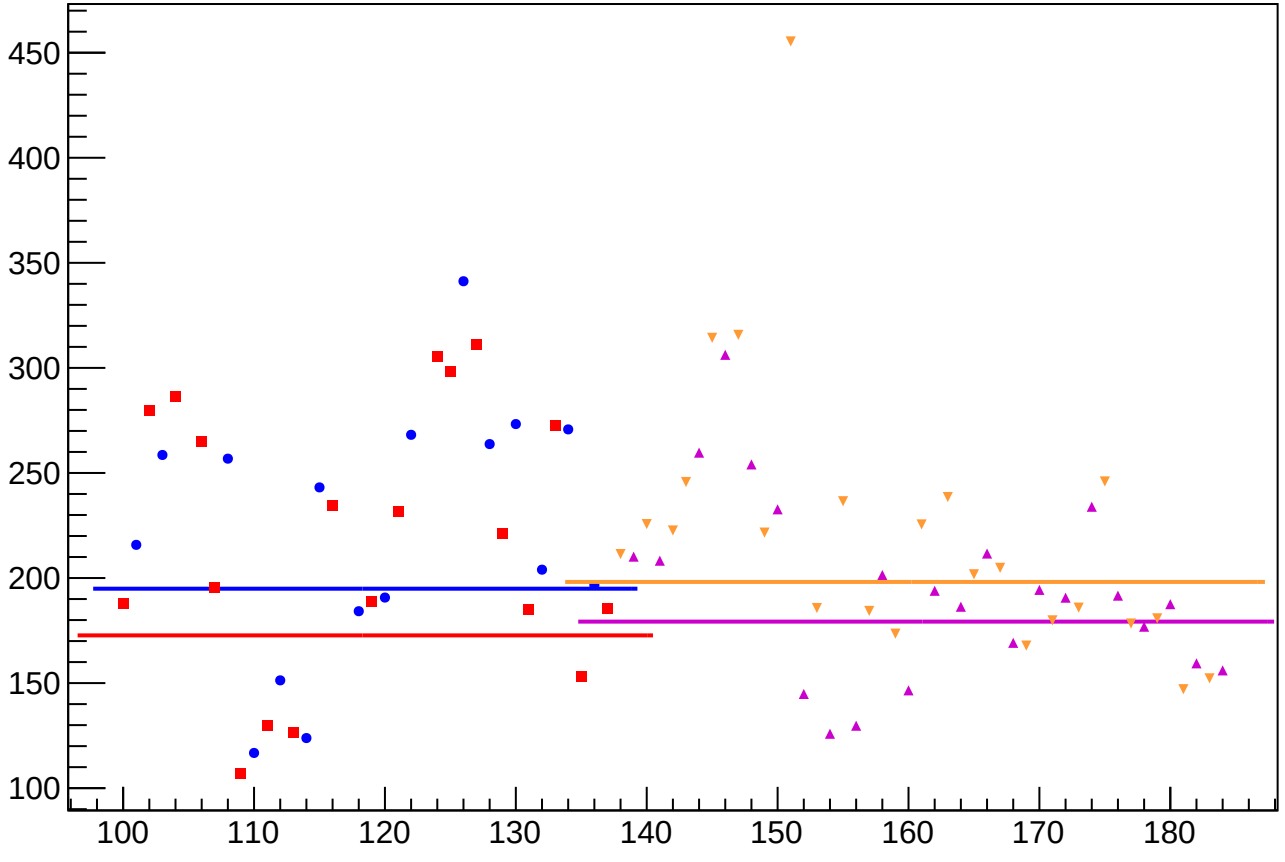
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 76.307+/-38.008 χ^2/NDF:26.4/38

Out: 60.515+/-38.756 χ^2/NDF:33.4/42

All: 68.565+/-27.136 χ^2/NDF: 59.9/81

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: 179.256+/-0.031 χ^2/NDF:1656023.5/22

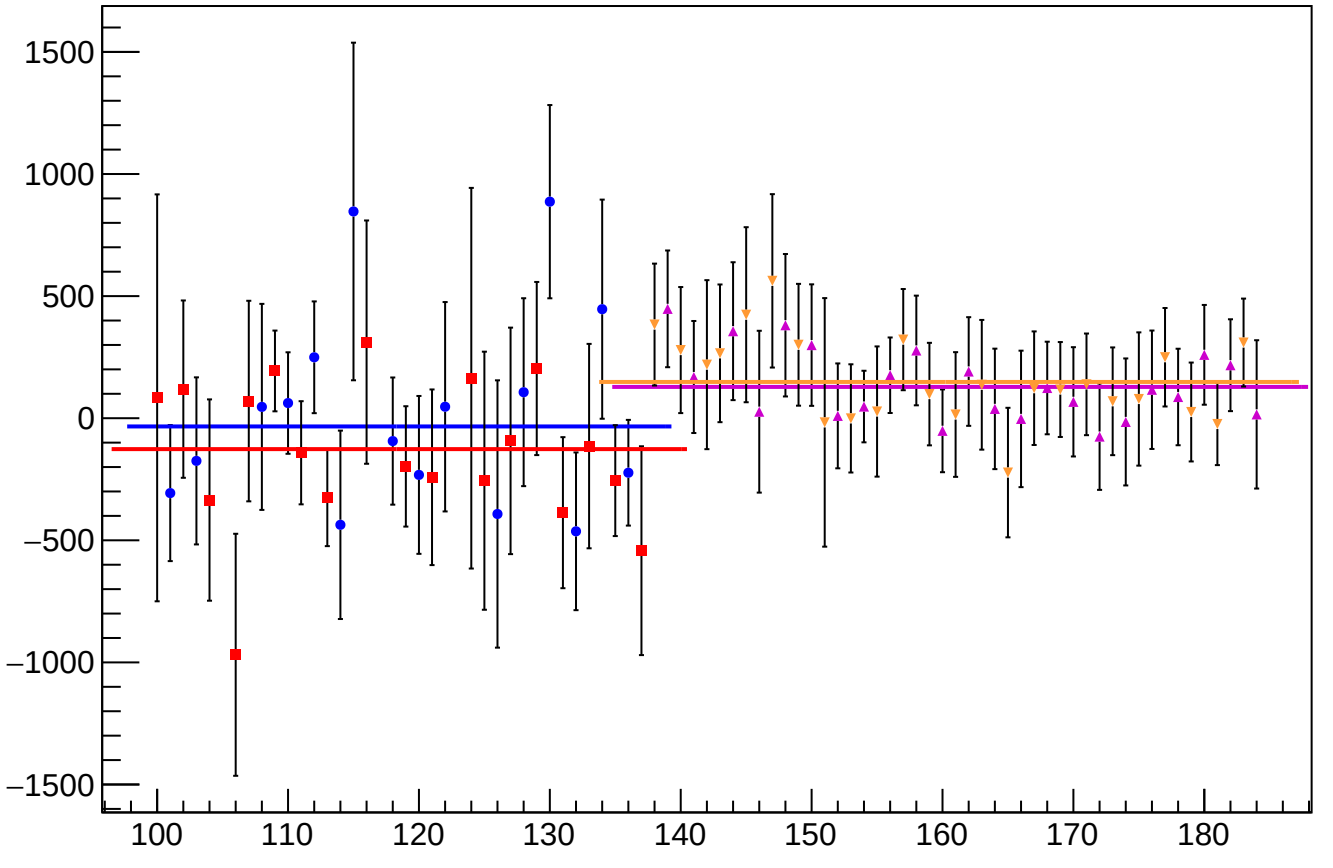
Left: 188.028+/-0.023 χ^2/NDF: 3588254.1/46

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.114+/-0.027 χ^2/NDF:2747998.5/38

Out: 189.999+/-0.027 χ^2/NDF:3578182.2/42

All: 186.489+/-0.019 χ^2/NDF: 6358355.4/81



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: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.671+/-32.998 χ^2/NDF: 18.8/46

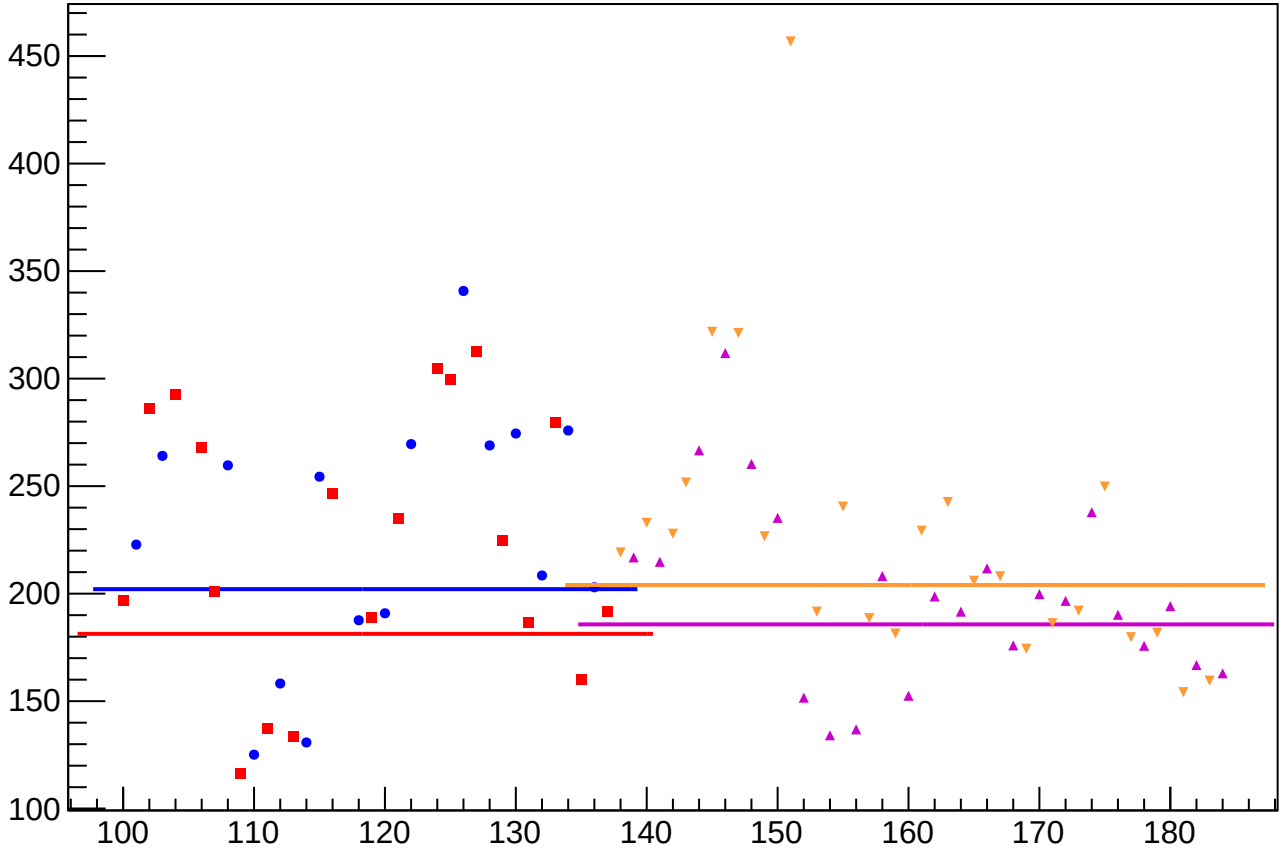
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 88.230+/-39.232 χ^2/NDF:27.5/38

Out: 62.047+/-39.982 χ^2/NDF:33.0/42

All: 75.386+/-28.002 χ^2/NDF: 60.7/81

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: 185.716+/-0.032 χ^2/NDF:1489487.2/22

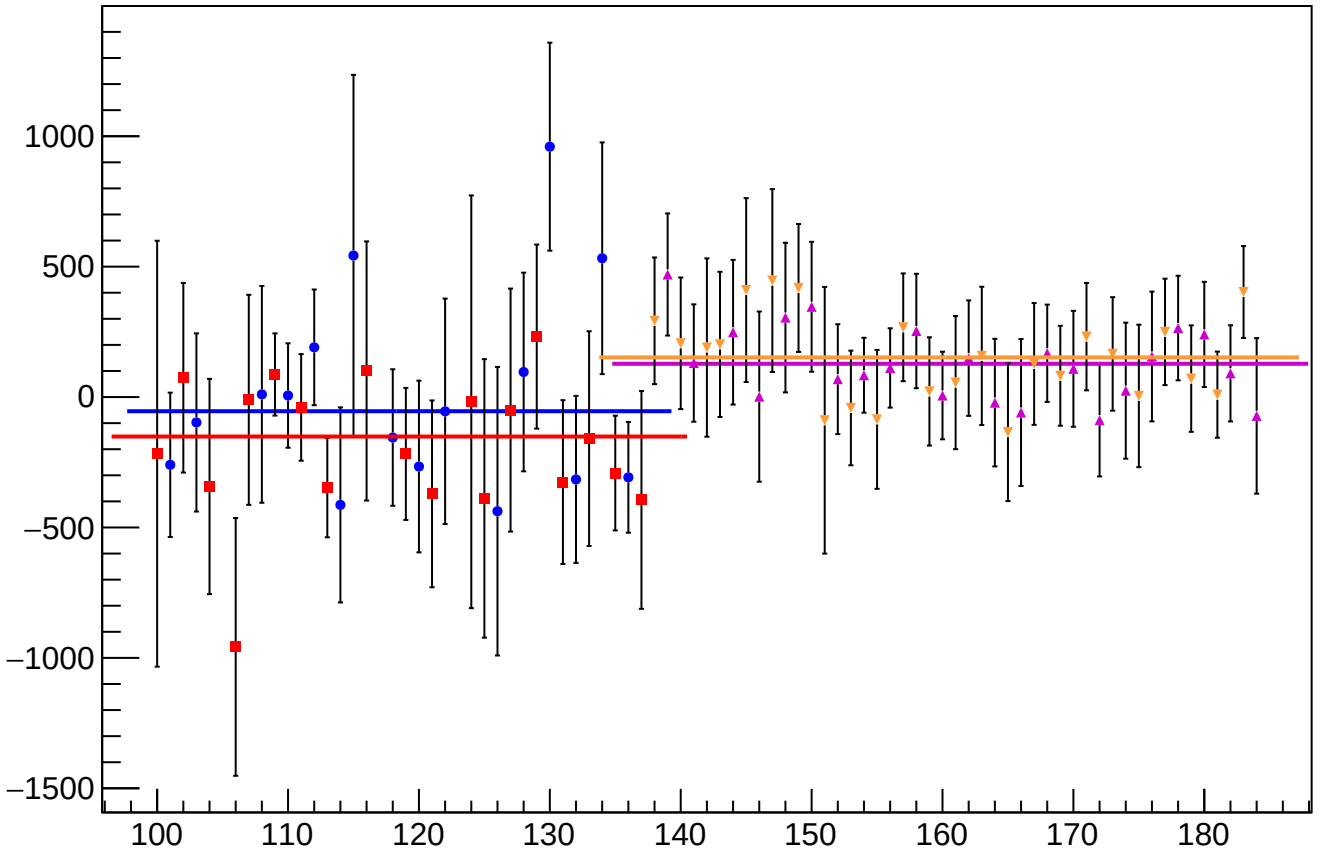
Left: 194.265+/-0.023 χ^2/NDF: 3299049.1/46

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 189.754+/-0.028 χ^2/NDF:2464482.5/38

Out: 196.882+/-0.028 χ^2/NDF:3236425.7/42

All: 193.251+/-0.020 χ^2/NDF: 5733285.9/81



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: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 139.051+/-32.662 χ^2/NDF: 18.5/46

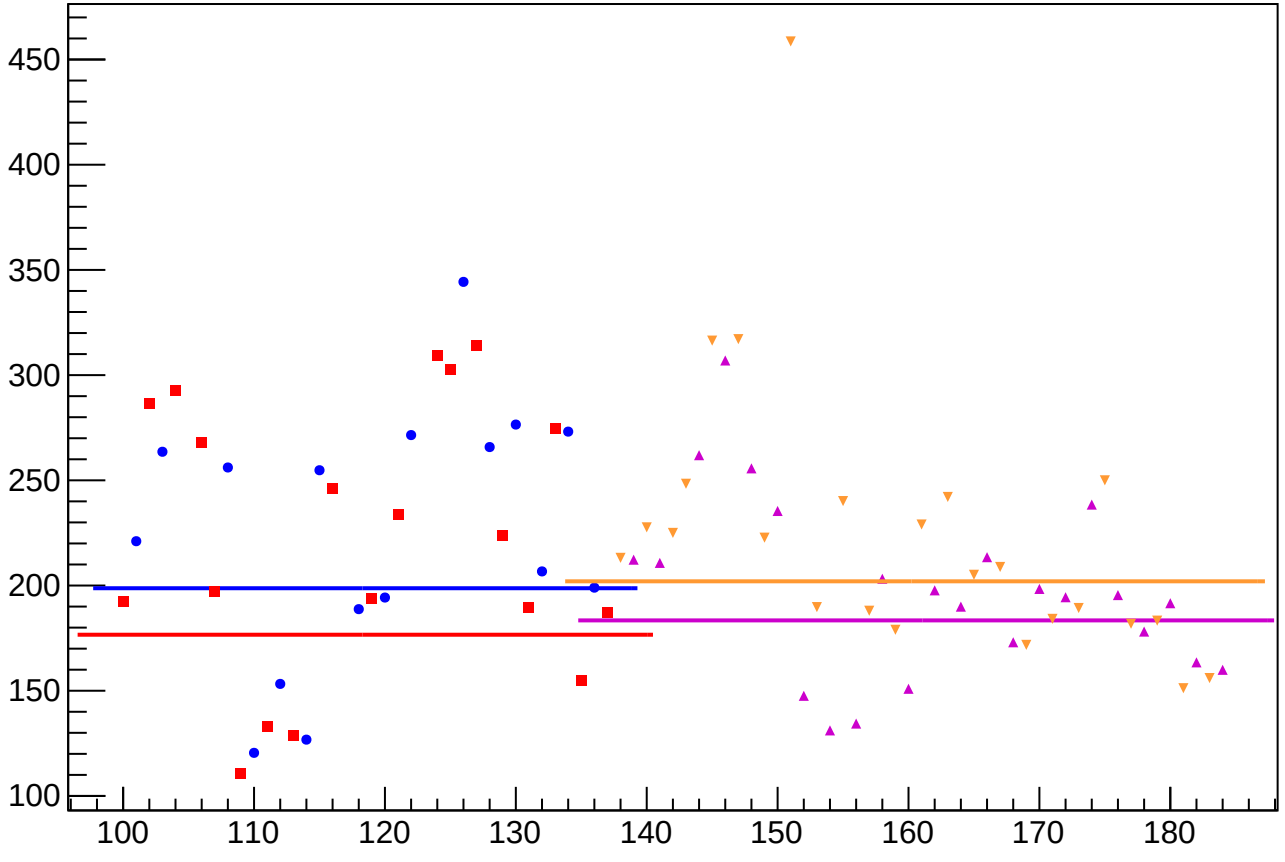
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 82.642+/-38.775 χ^2/NDF:27.2/38

Out: 55.292+/-39.482 χ^2/NDF:33.5/42

All: 69.214+/-27.665 χ^2/NDF: 60.9/81

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: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 192.089+/-0.023 χ^2/NDF: 3371868.3/46

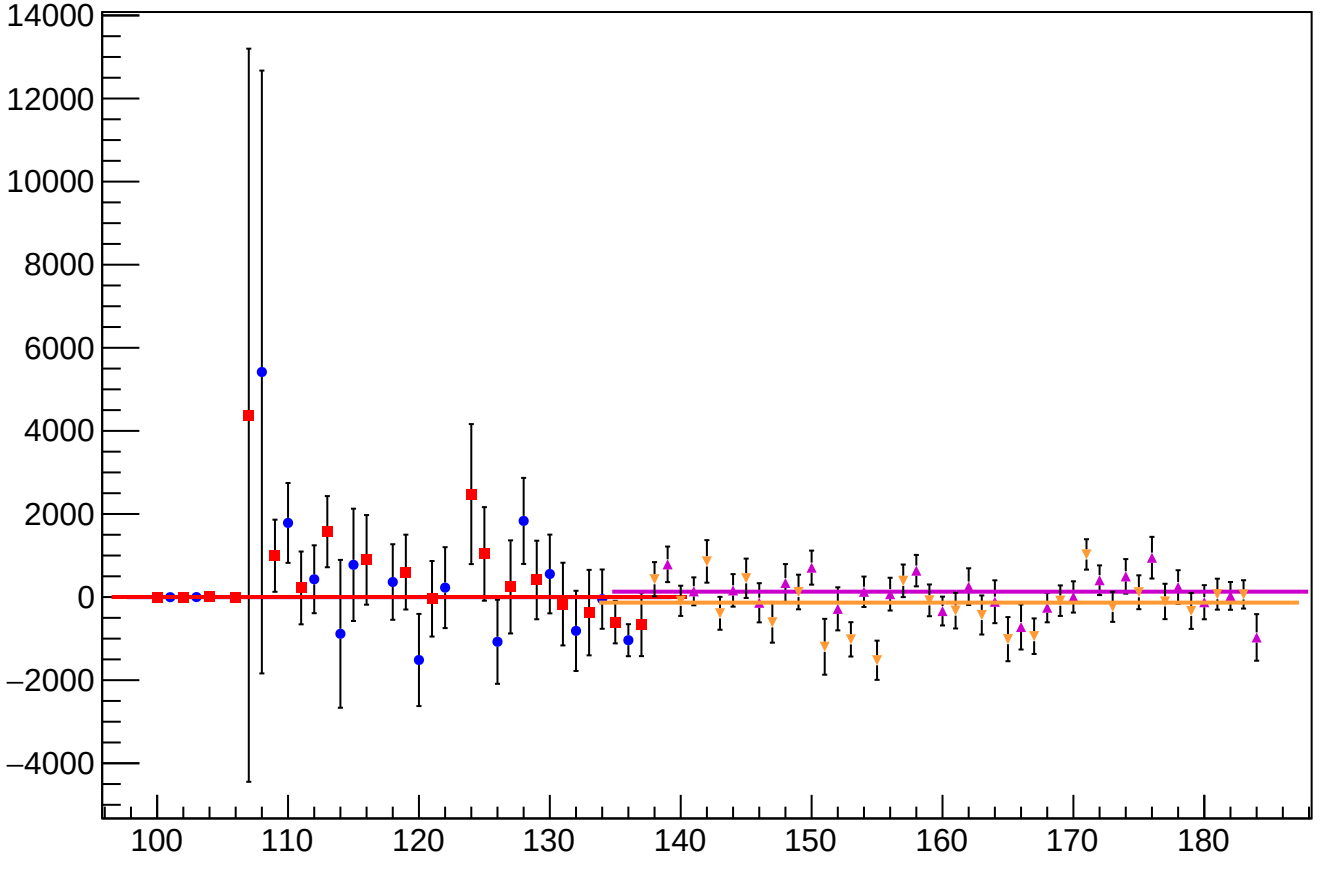
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 187.216+/-0.027 χ^2/NDF:2582625.1/38

Out: 193.908+/-0.028 χ^2/NDF:3455579.8/42

All: 190.502+/-0.020 χ^2/NDF: 6067455.1/81

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: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: -1.862+/-60.169 χ^2/NDF: 71.2/46

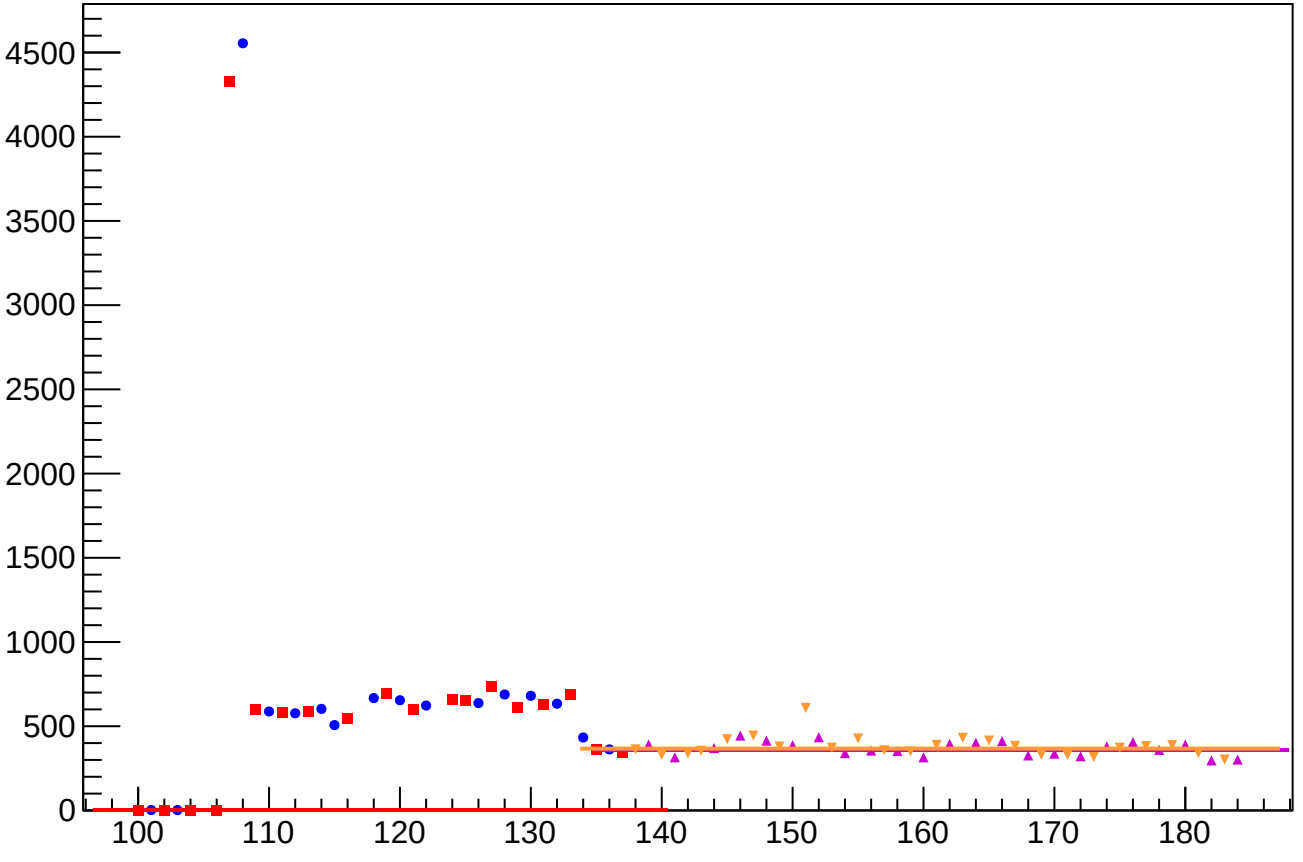
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.154+/-2.170 χ^2/NDF:43.9/38

Out: 1.301+/-2.022 χ^2/NDF:64.1/42

All: 0.161+/-1.479 χ^2/NDF: 108.7/81

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: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 363.074+/-0.043 χ^2/NDF: 1093030.9/46

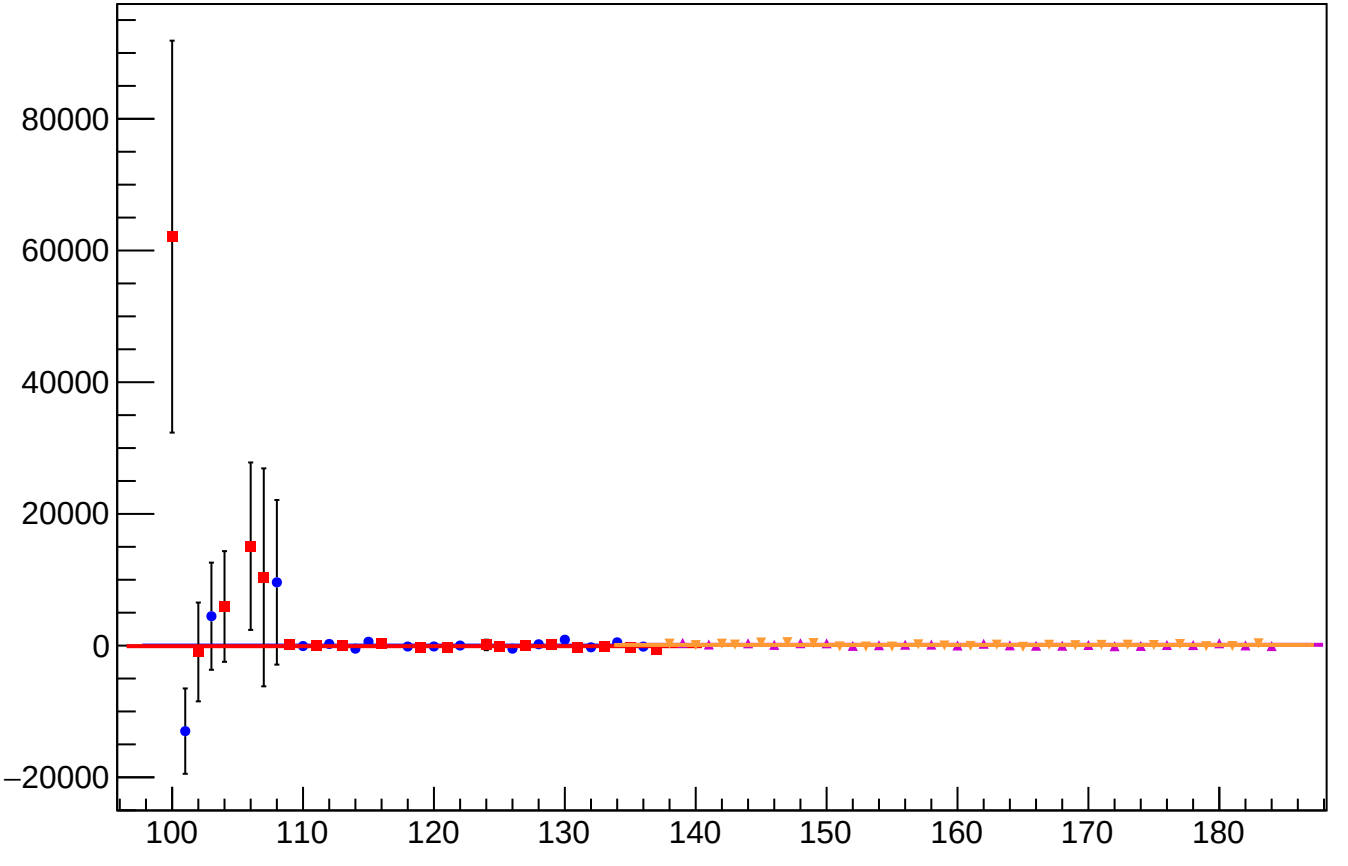
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.709+/-0.002 χ^2/NDF:47178422.3/38

Out: 2.668+/-0.001 χ^2/NDF:48879264.9/42

All: 2.687+/-0.001 χ^2/NDF: 96058064.6/81

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: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.419+/-33.838 χ^2/NDF: 22.1/46

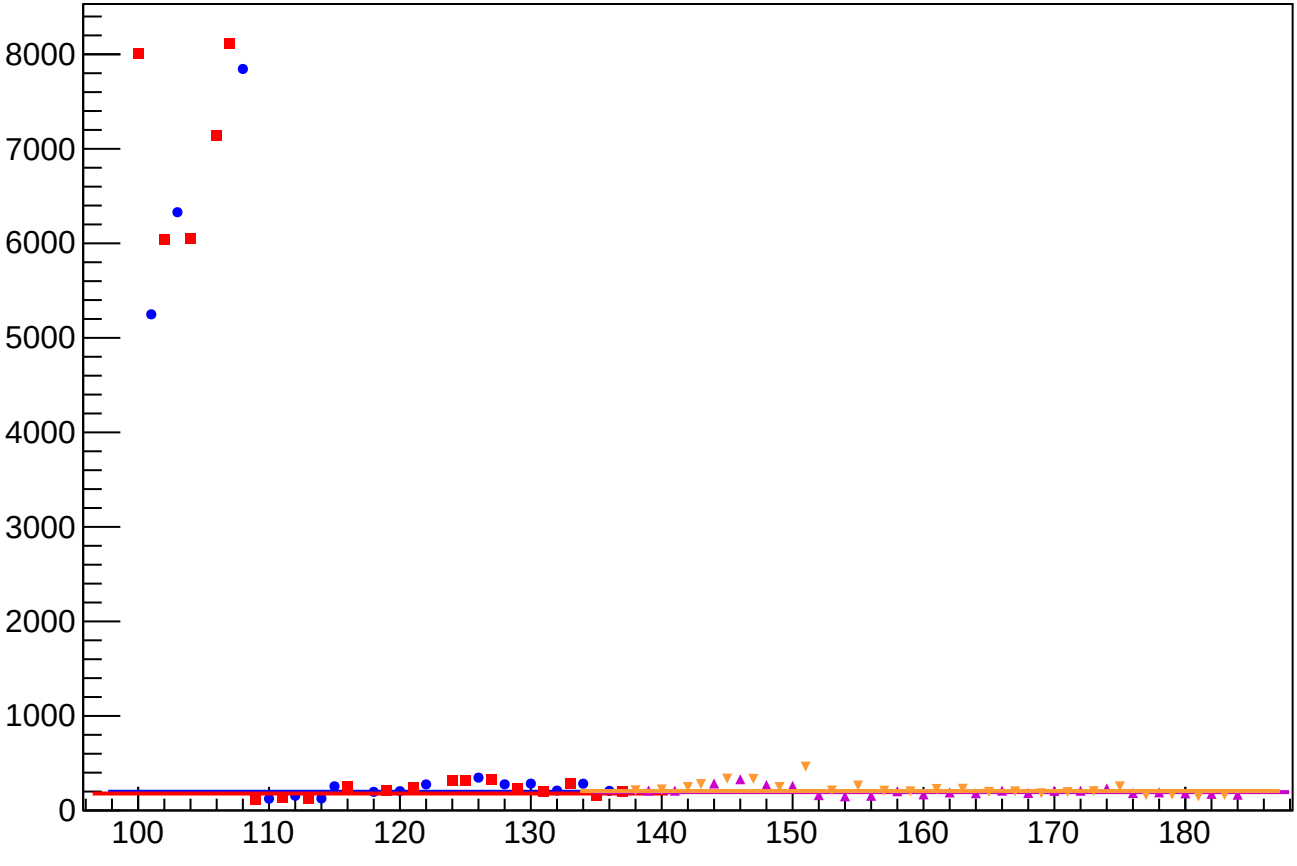
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 92.940+/-41.409 χ^2/NDF:27.6/38

Out: 49.490+/-41.885 χ^2/NDF:31.5/42

All: 71.463+/-29.448 χ^2/NDF: 59.6/81

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: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.489+/-0.024 χ^2/NDF: 3192191.0/46

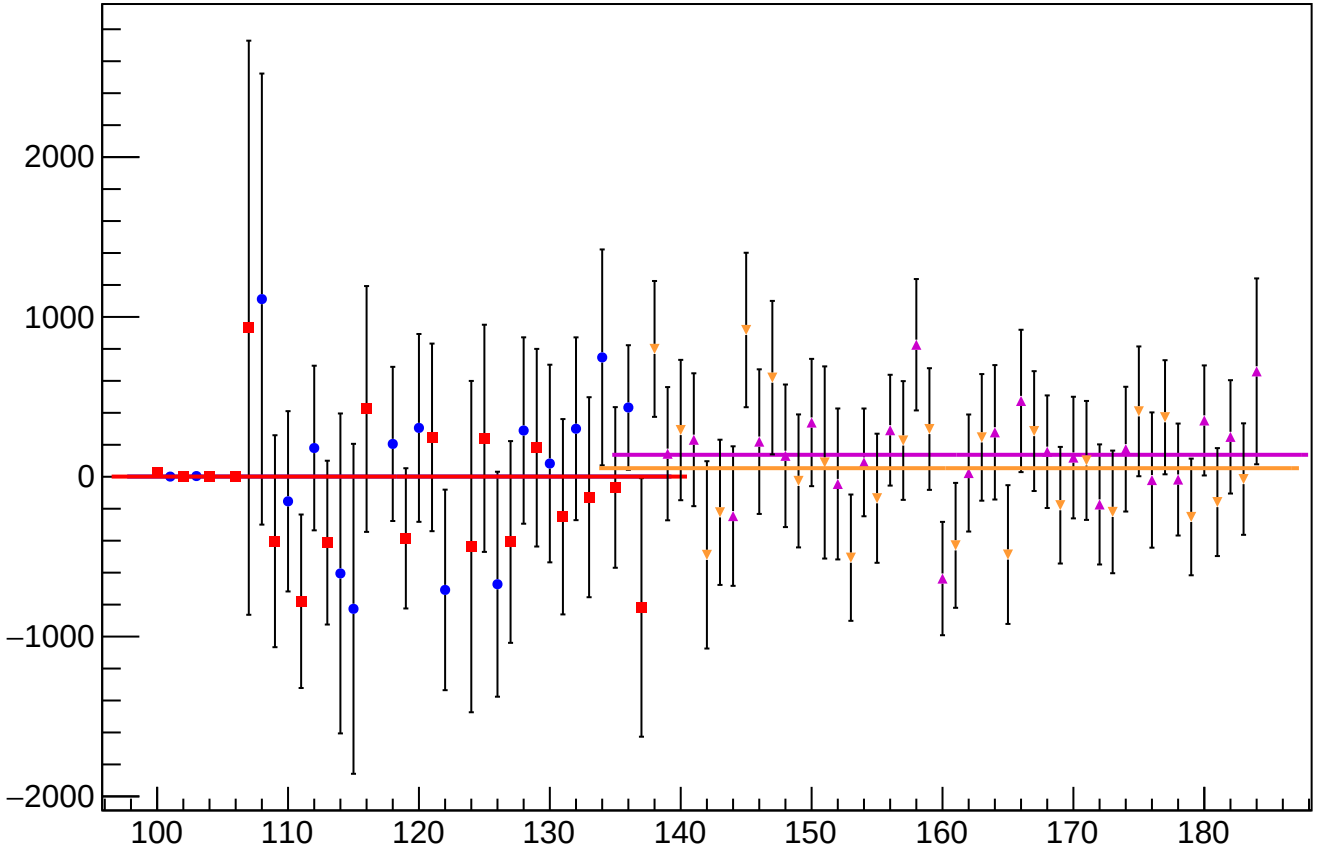
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 194.723+/-0.029 χ^2/NDF:5151579.1/38

Out: 198.607+/-0.030 χ^2/NDF:6512779.1/42

All: 196.643+/-0.021 χ^2/NDF: 11673054.8/81

asym_cav4dQ_mean vs Slug, Sign Corrected



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: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 95.627+/-58.133 χ^2/NDF: 32.1/46

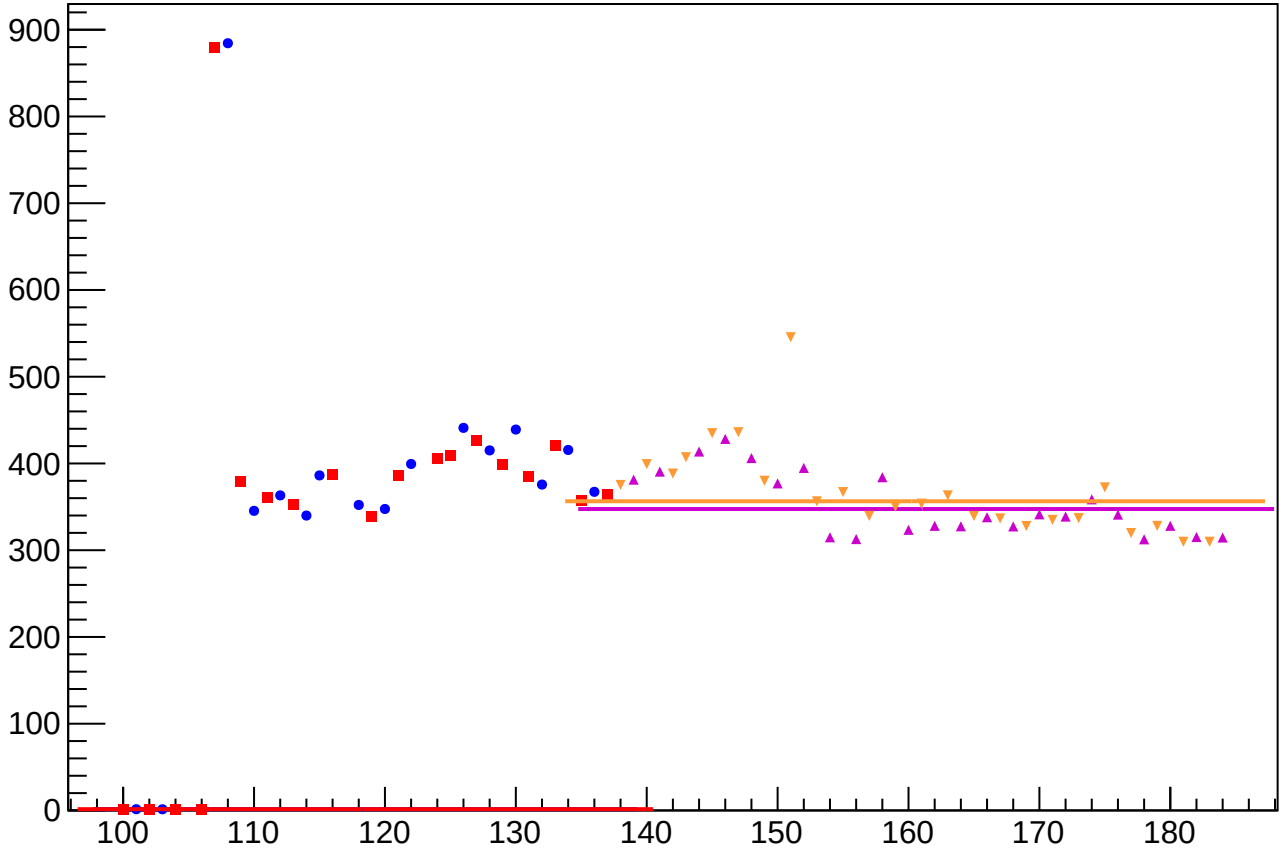
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.511+/-1.660 χ^2/NDF:22.8/38

Out: 1.112+/-1.528 χ^2/NDF:29.0/42

All: 1.295+/-1.124 χ^2/NDF: 51.8/81

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: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.955+/-0.041 χ^2/NDF: 871915.4/46

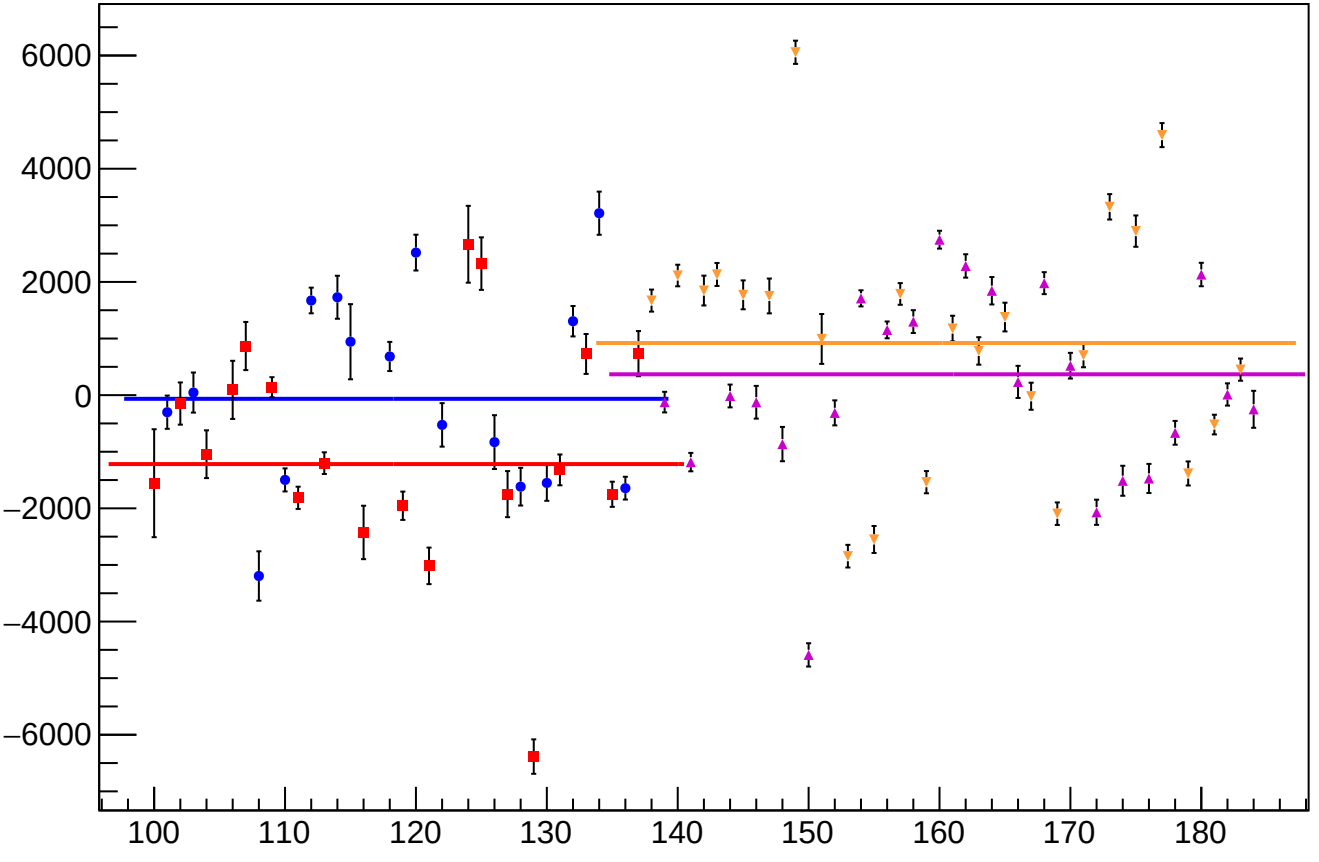
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.612+/-0.001 χ^2/NDF:47580608.7/38

Out: 1.589+/-0.001 χ^2/NDF:48969325.6/42

All: 1.600+/-0.001 χ^2/NDF: 96550127.7/81

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: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 631.003+/-30.933 χ^2/NDF: 4072.5/46

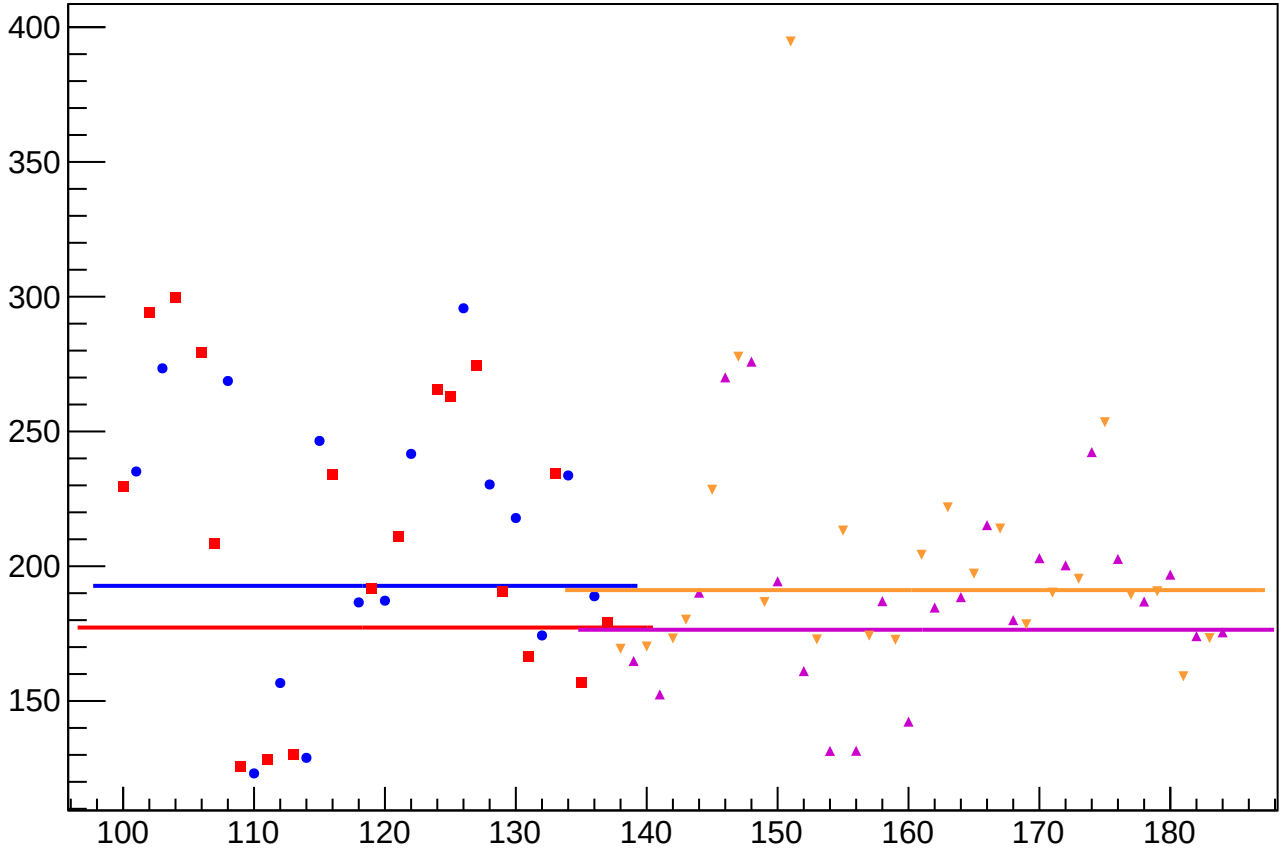
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 261.974+/-37.094 χ^2/NDF:2087.7/38

Out: 285.696+/-37.621 χ^2/NDF:3669.5/42

All: 273.668+/-26.414 χ^2/NDF: 5757.5/81

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: 176.431+/-0.030 χ^2/NDF:1257661.0/22

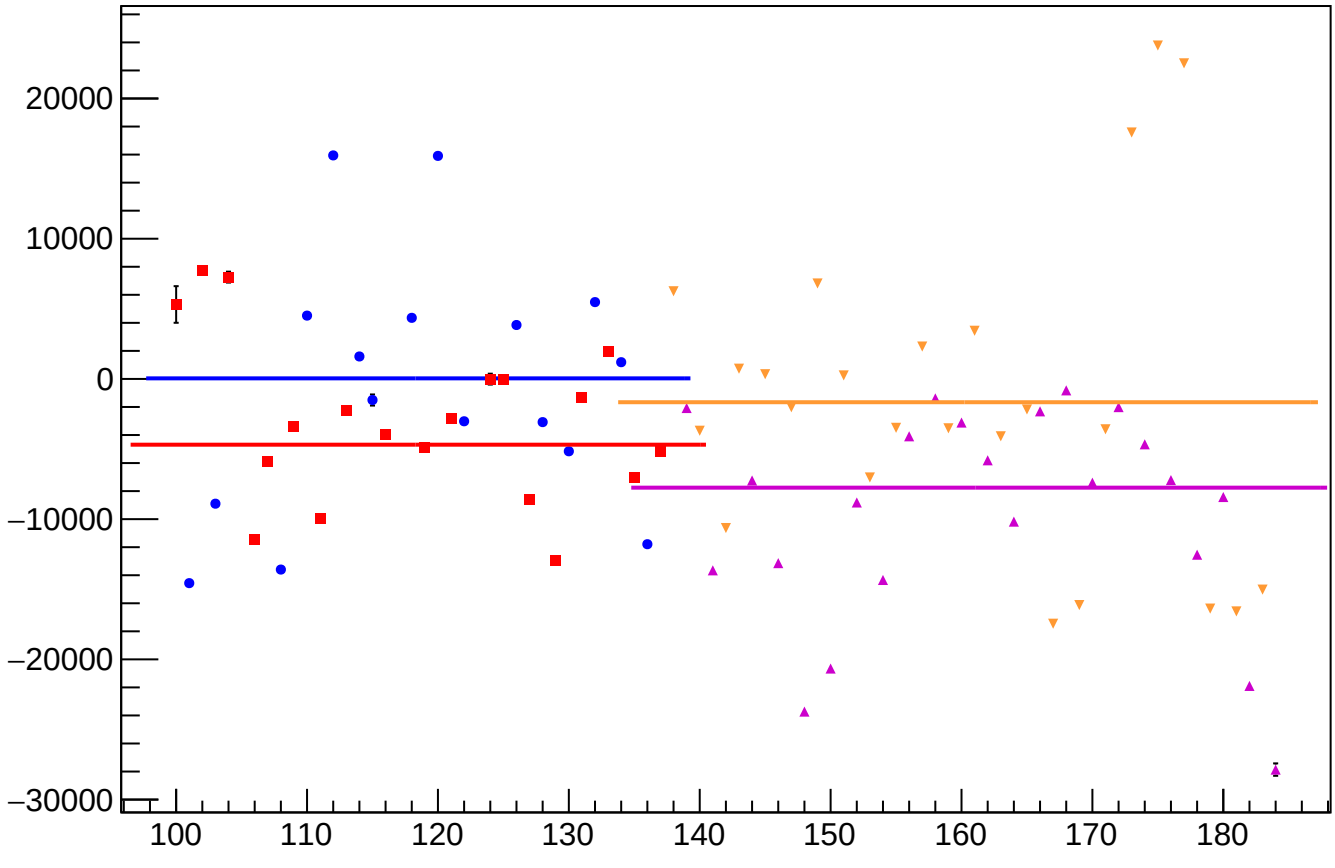
Left: 183.420+/-0.022 χ^2/NDF: 2383519.2/46

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 180.427+/-0.026 χ^2/NDF:2088194.1/38

Out: 187.012+/-0.027 χ^2/NDF:2296203.1/42

All: 183.673+/-0.019 χ^2/NDF: 4415469.7/81



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: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4598.228+/-29.558 χ^2/NDF: 98360.6/46

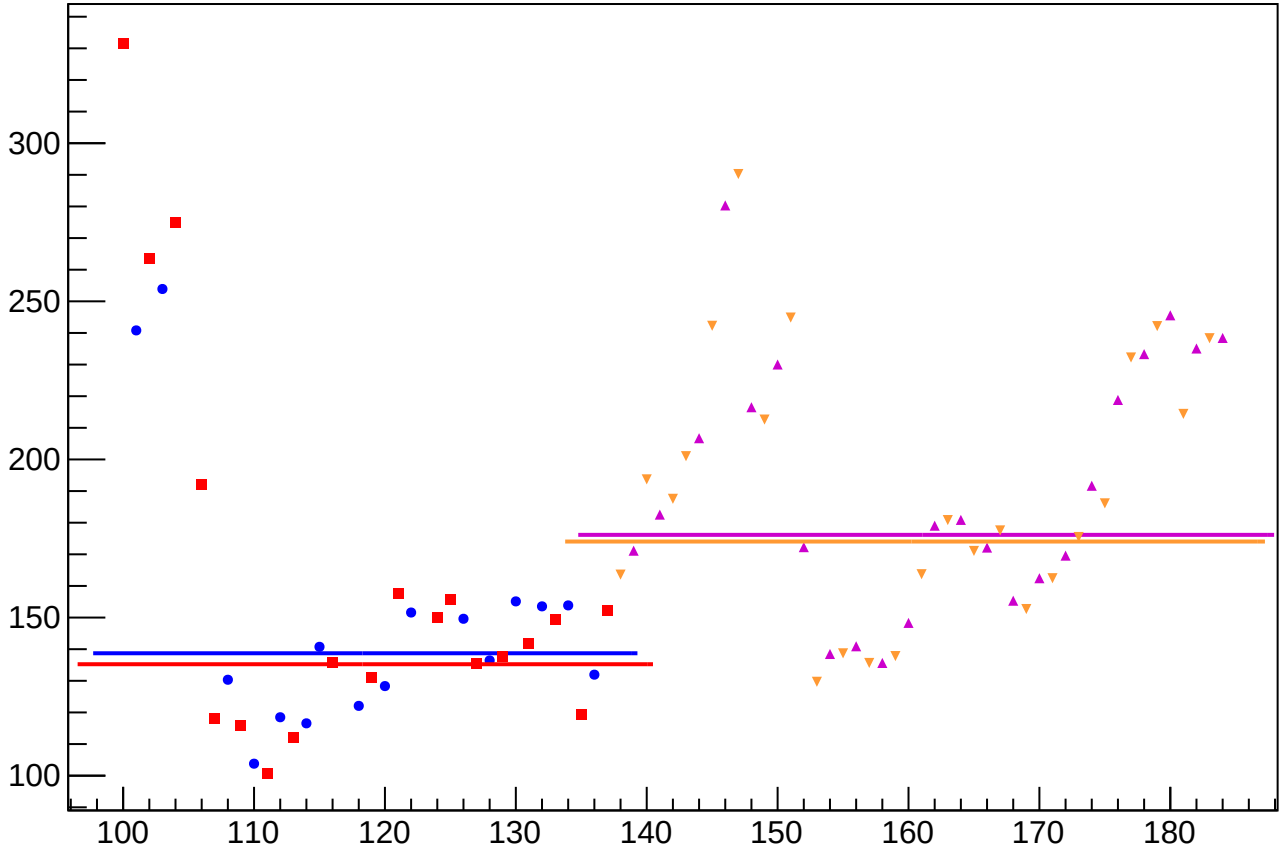
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4780.115+/-33.479 χ^2/NDF:66858.1/38

Out: -2821.624+/-32.253 χ^2/NDF:74350.3/42

All: -3764.366+/-23.227 χ^2/NDF: 142983.4/8

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: 176.155+/-0.030 χ^2/NDF:1367059.2/22

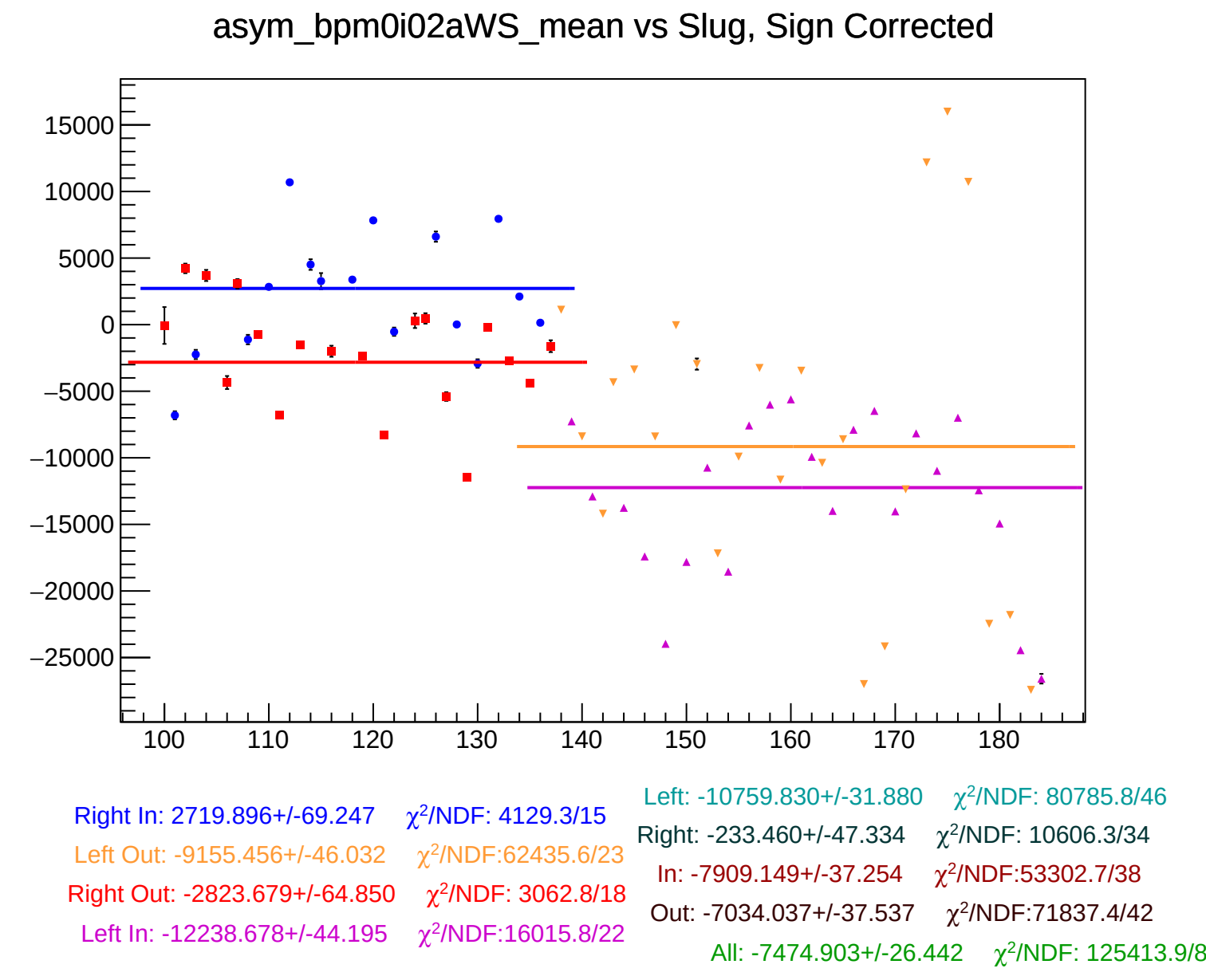
Left: 175.061+/-0.021 χ^2/NDF: 2994420.4/46

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

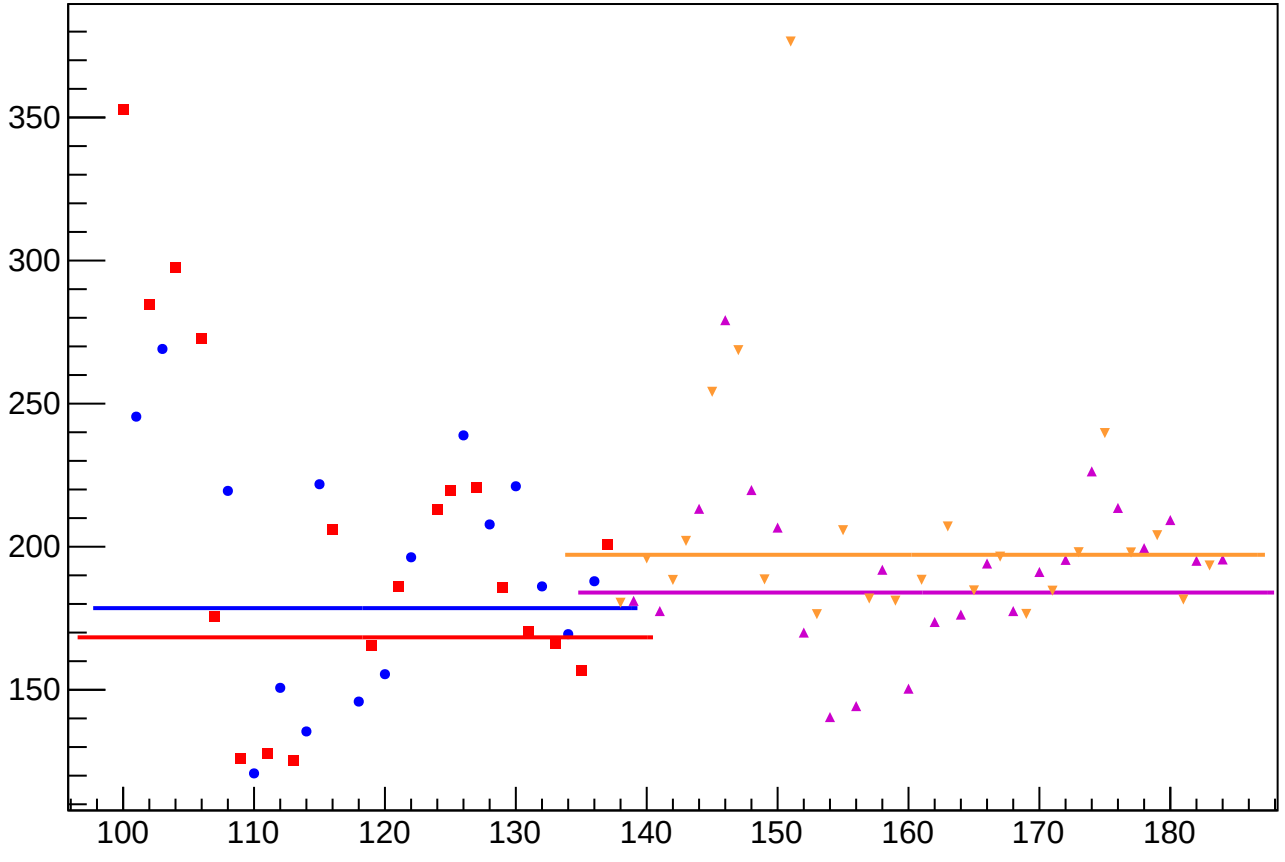
In: 161.868+/-0.024 χ^2/NDF:2615168.9/38

Out: 159.171+/-0.023 χ^2/NDF:3198914.4/42

All: 160.469+/-0.016 χ^2/NDF: 5820815.4/81


asym_bpm0i02aWS_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: 2719.896+/-69.247 χ²/NDF: 4129.3/15
Left Out: -9155.456+/-46.032 χ²/NDF:62435.6/23
Right Out: -2823.679+/-64.850 χ²/NDF: 3062.8/18
Left In: -12238.678+/-44.195 χ²/NDF:16015.8/22
Left: -10759.830+/-31.880 χ²/NDF: 80785.8/46
Right: -233.460+/-47.334 χ²/NDF: 10606.3/34
In: -7909.149+/-37.254 χ²/NDF:53302.7/38
Out: -7034.037+/-37.537 χ²/NDF:71837.4/42
All: -7474.903+/-26.442 χ²/NDF: 125413.9/8

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: 183.985+/-0.031 χ^2/NDF:829778.1/22

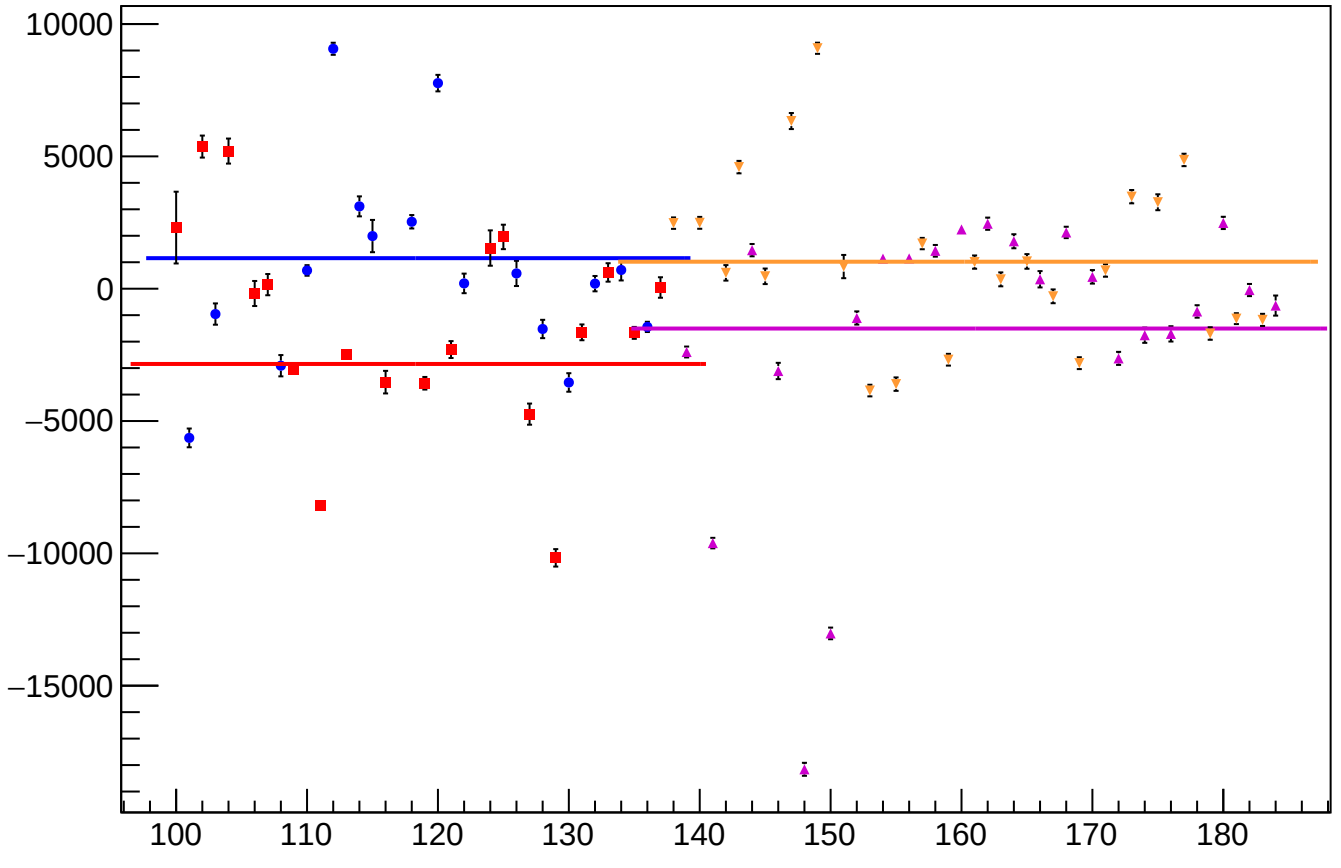
Left: 190.315+/-0.023 χ^2/NDF: 1647609.4/46

Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 182.410+/-0.026 χ^2/NDF:1513129.0/38

Out: 187.517+/-0.027 χ^2/NDF:1974944.2/42

All: 184.944+/-0.019 χ^2/NDF: 3506727.5/81



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: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -292.704+/-34.645 χ^2/NDF: 17085.2/46

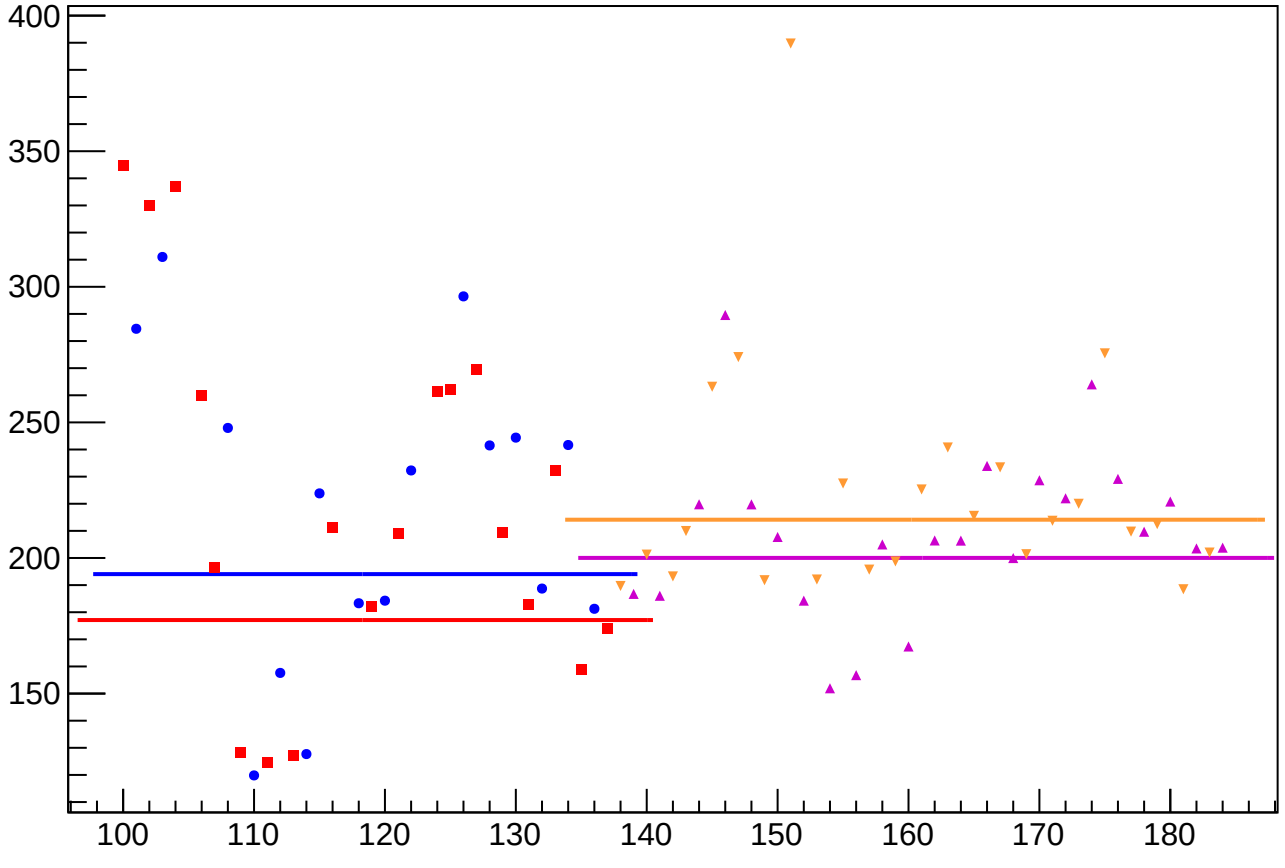
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -745.144+/-40.608 χ^2/NDF:15011.1/38

Out: -306.819+/-40.514 χ^2/NDF:8782.5/42

All: -525.477+/-28.681 χ^2/NDF: 23852.0/81

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: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.794+/-0.024 χ^2/NDF: 1599914.1/46

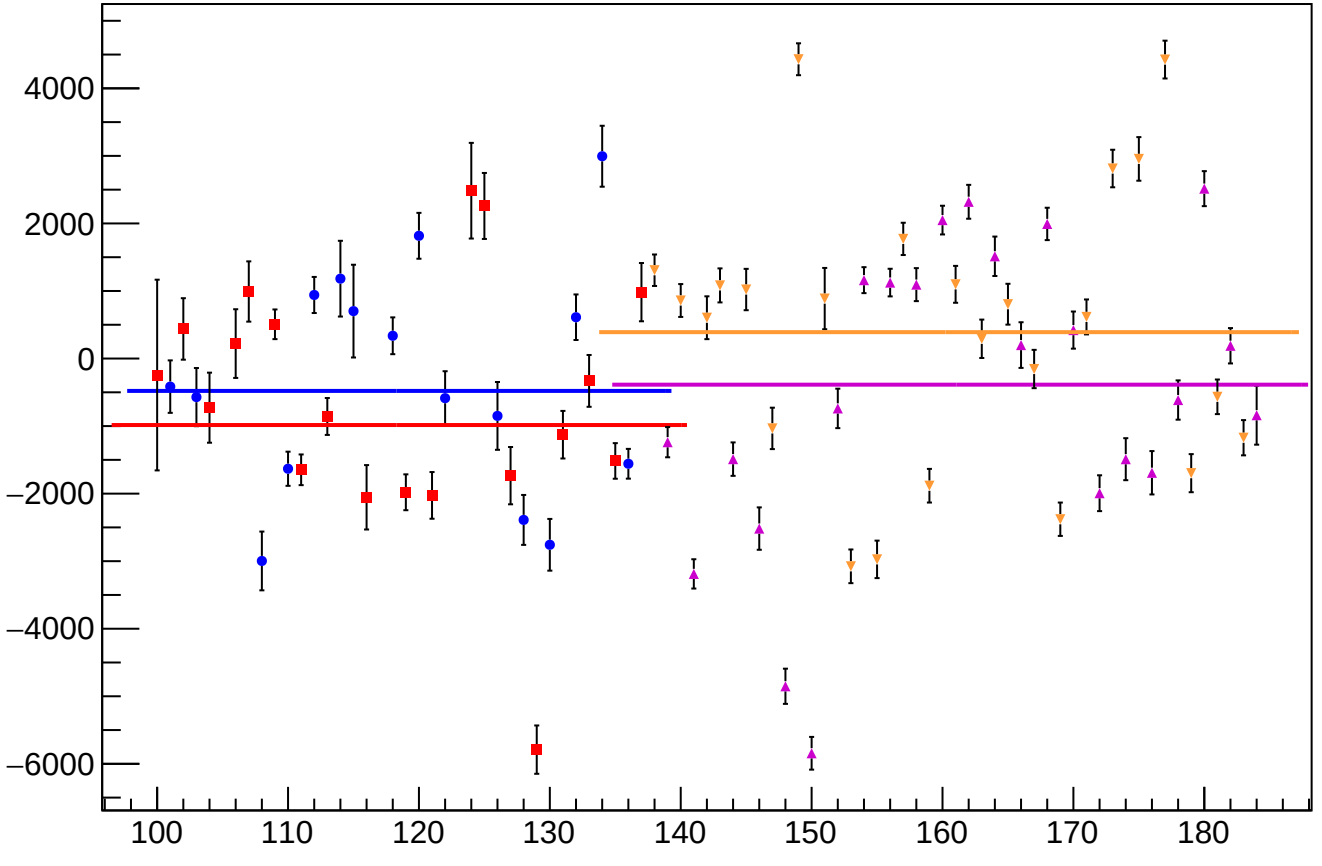
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 198.322+/-0.029 χ^2/NDF:1760158.0/38

Out: 201.412+/-0.029 χ^2/NDF:2467350.9/42

All: 199.871+/-0.020 χ^2/NDF: 4233311.5/81

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: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -11.349+/-38.485 χ^2/NDF: 3300.7/46

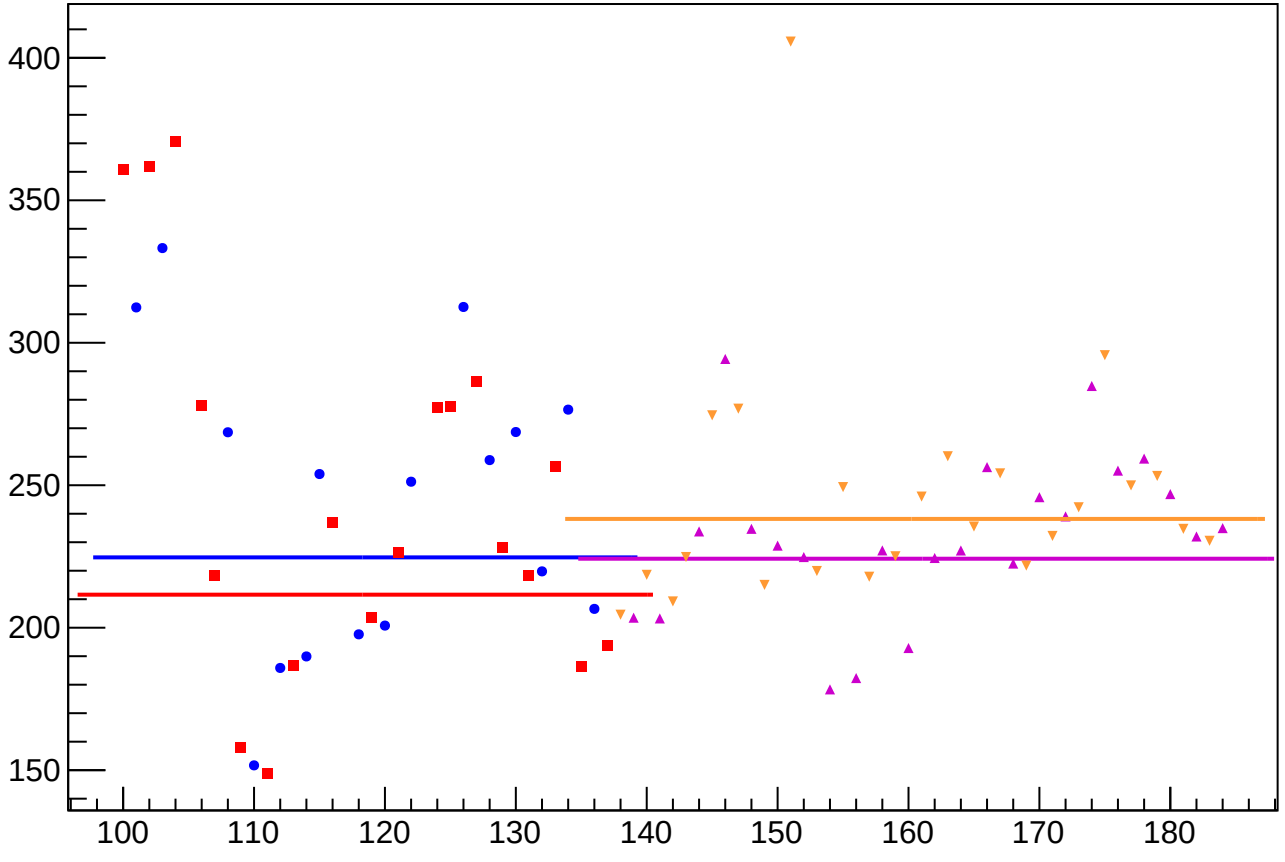
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -412.437+/-45.545 χ^2/NDF:2110.4/38

Out: -47.773+/-45.701 χ^2/NDF:1989.3/42

All: -230.731+/-32.260 χ^2/NDF: 4131.7/81

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: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 230.960+/-0.027 χ^2/NDF: 1196949.5/46

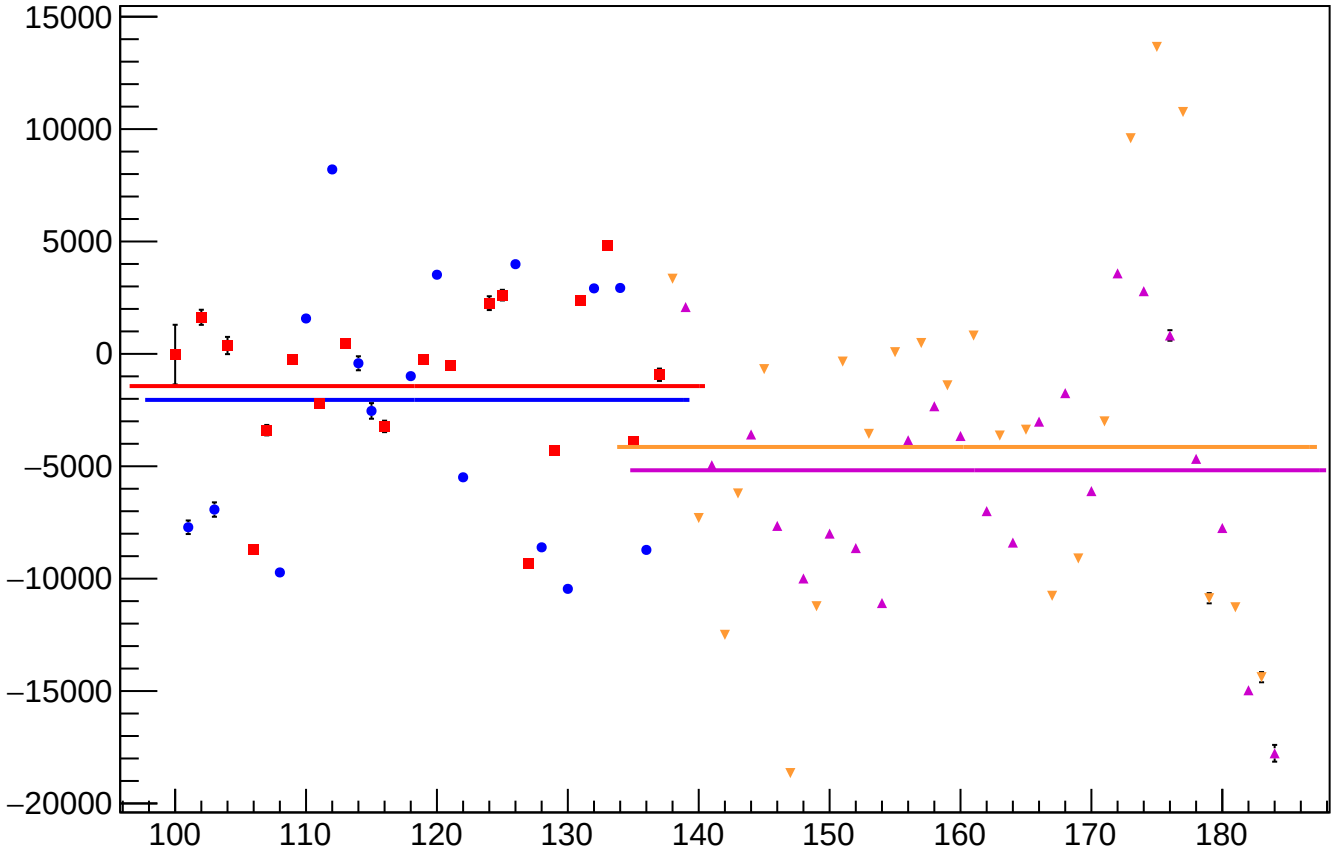
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 224.342+/-0.032 χ^2/NDF:1216467.2/38

Out: 229.706+/-0.032 χ^2/NDF:1647798.7/42

All: 227.015+/-0.023 χ^2/NDF: 2878090.8/81

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: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4642.420+/-22.227 χ^2/NDF: 75074.2/46

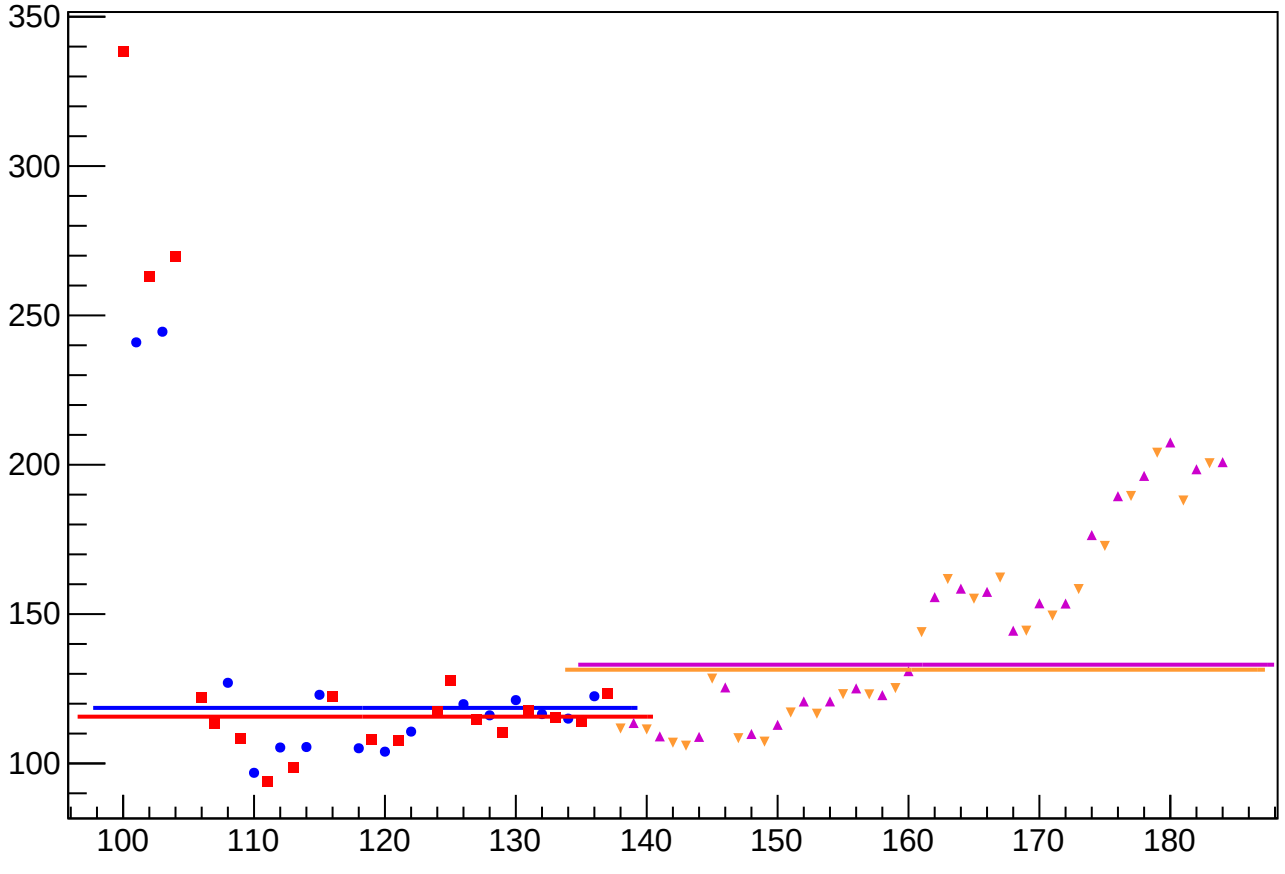
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4179.781+/-26.384 χ^2/NDF:38309.0/38

Out: -3265.228+/-25.437 χ^2/NDF:64857.3/42

All: -3705.796+/-18.312 χ^2/NDF: 103789.0/8

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: 133.061+/-0.023 χ^2/NDF:1418252.2/22

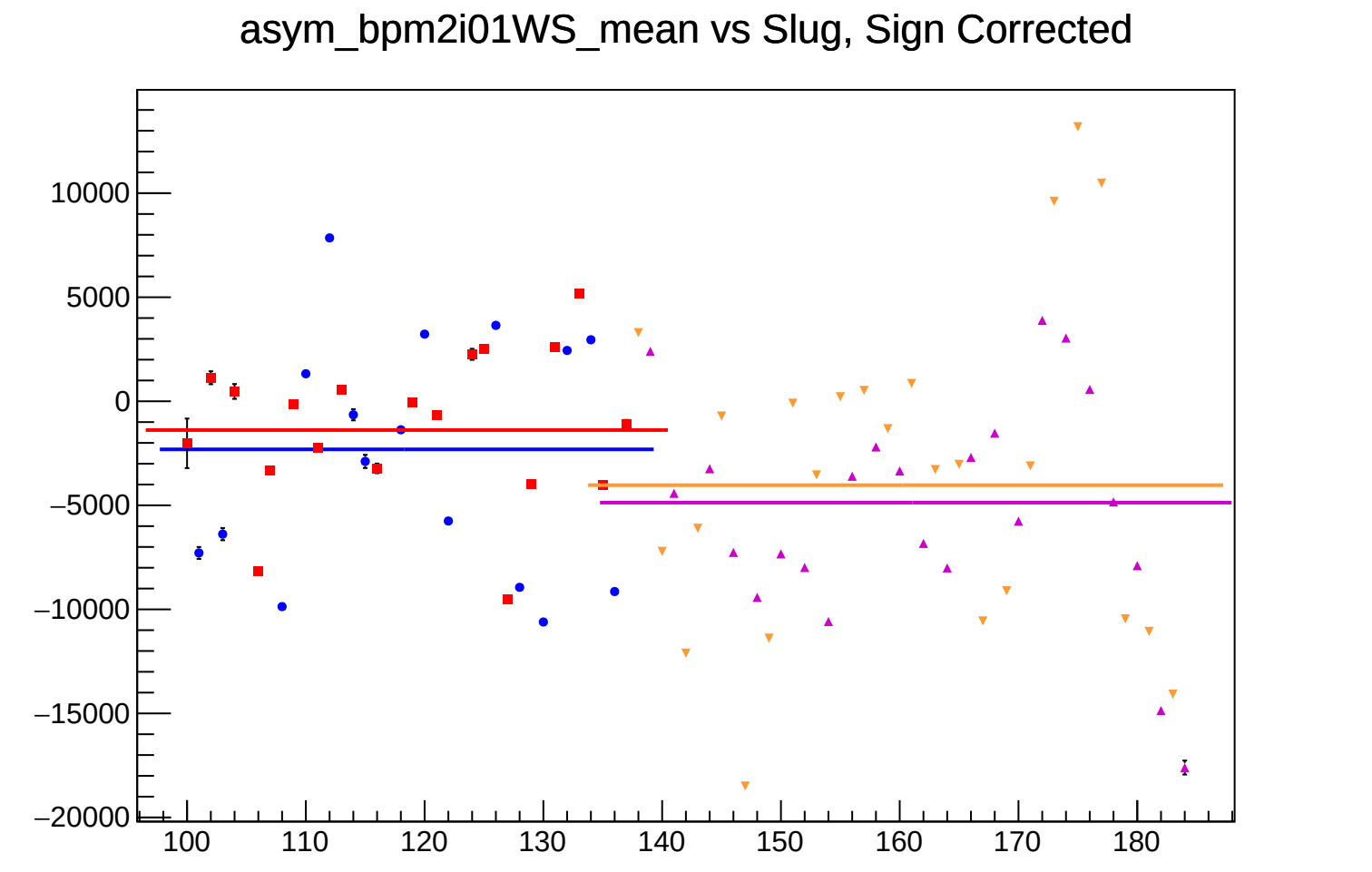
Left: 132.192+/-0.016 χ^2/NDF: 2906360.6/46

Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

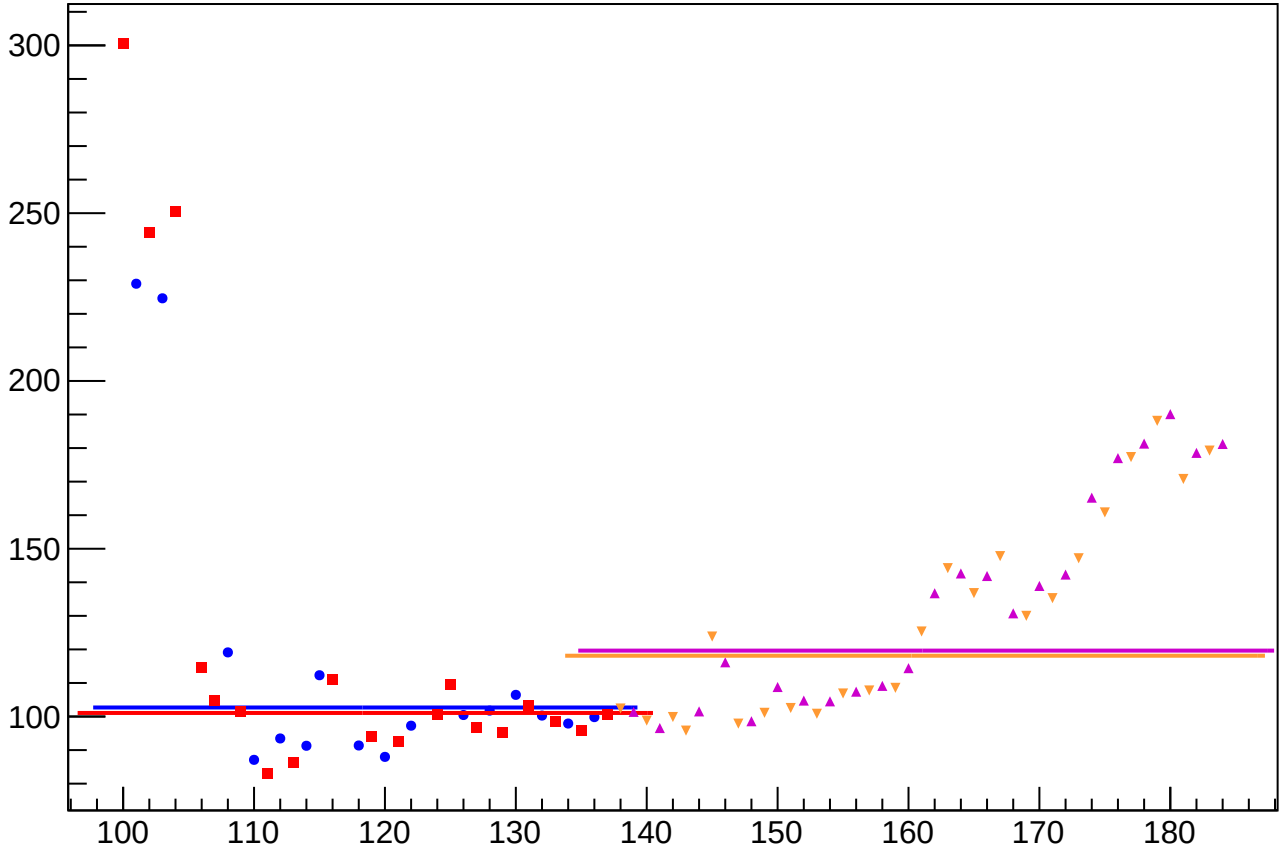
In: 128.448+/-0.019 χ^2/NDF:2282988.8/38

Out: 126.295+/-0.018 χ^2/NDF:2516569.5/42

All: 127.332+/-0.013 χ^2/NDF: 4806463.8/81


asym_bpm2i01WS_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -2310.581+/-40.734 χ²/NDF: 21679.5/15
Left Out: -4030.517+/-27.857 χ²/NDF:65283.9/23
Right Out: -1382.178+/-39.342 χ²/NDF: 8578.9/18
Left In: -4869.740+/-28.809 χ²/NDF:21913.6/22
Left: -4436.030+/-20.026 χ²/NDF: 87636.0/46
Right: -1830.238+/-28.298 χ²/NDF: 30527.1/34
In: -4016.480+/-23.521 χ²/NDF:46224.1/38
Out: -3146.141+/-22.735 χ²/NDF:76881.0/42
All: -3566.519+/-16.347 χ²/NDF: 123813.0/8

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: 119.645+/-0.020 χ^2/NDF:1512380.5/22

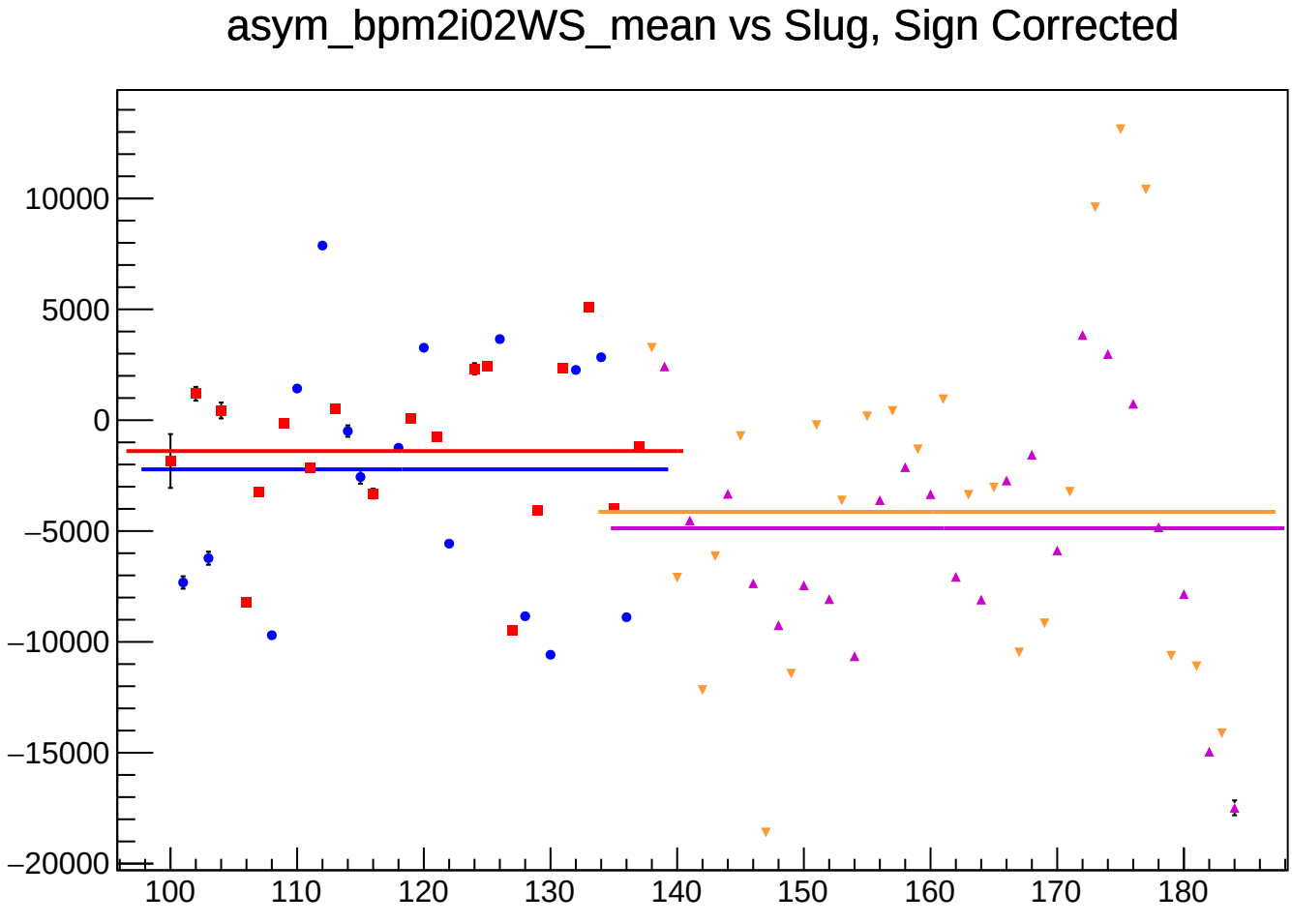
Left: 118.857+/-0.014 χ^2/NDF: 3080799.0/46

Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 113.993+/-0.017 χ^2/NDF:2569047.9/38

Out: 112.424+/-0.016 χ^2/NDF:2746367.9/42

All: 113.182+/-0.012 χ^2/NDF: 5320017.5/81



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: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4490.293+/-19.611 χ^2/NDF: 92702.8/46

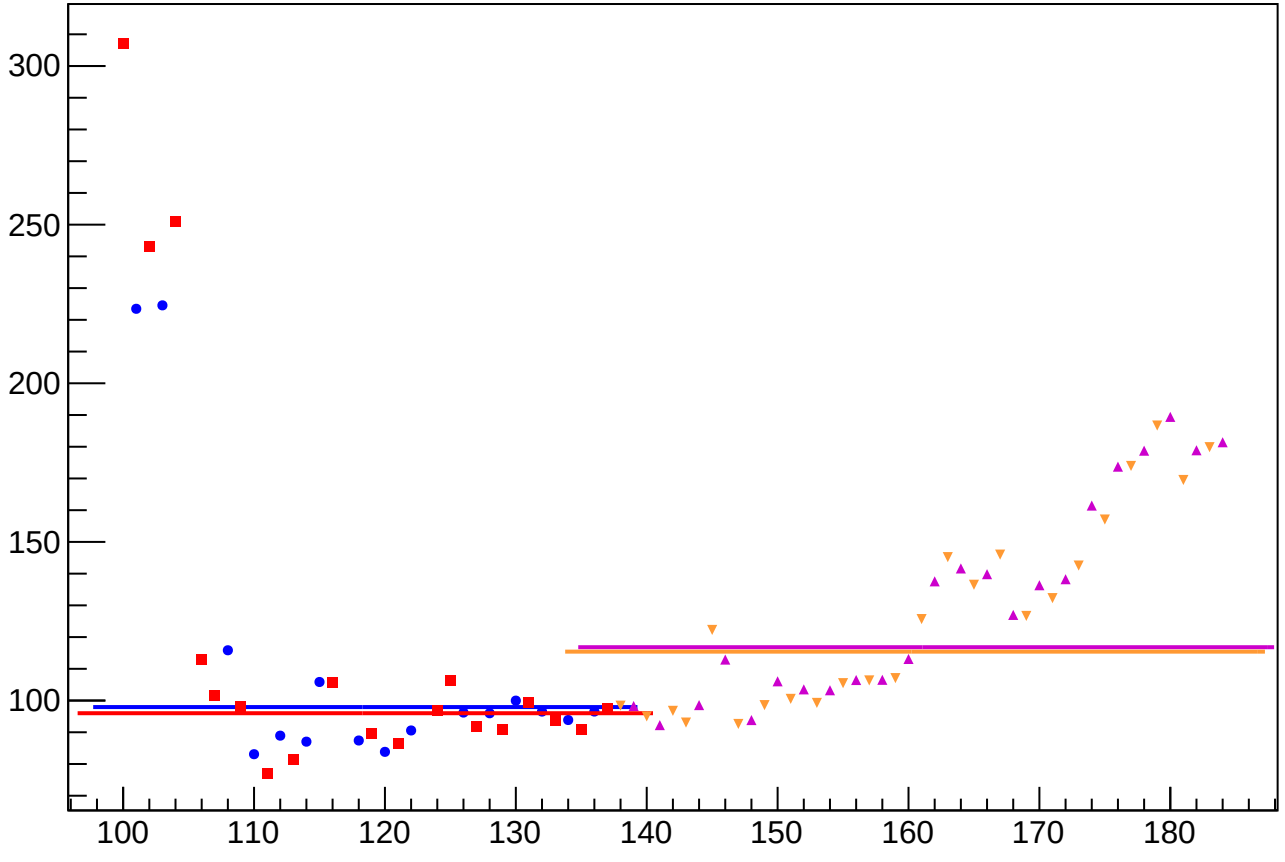
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3962.726+/-22.860 χ^2/NDF:49004.0/38

Out: -3186.330+/-22.082 χ^2/NDF:82050.2/42

All: -3561.093+/-15.882 χ^2/NDF: 131650.9/8

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: 116.808+/-0.020 χ^2/NDF:1617645.9/22

Left: 116.089+/-0.014 χ^2/NDF: 3301571.2/46

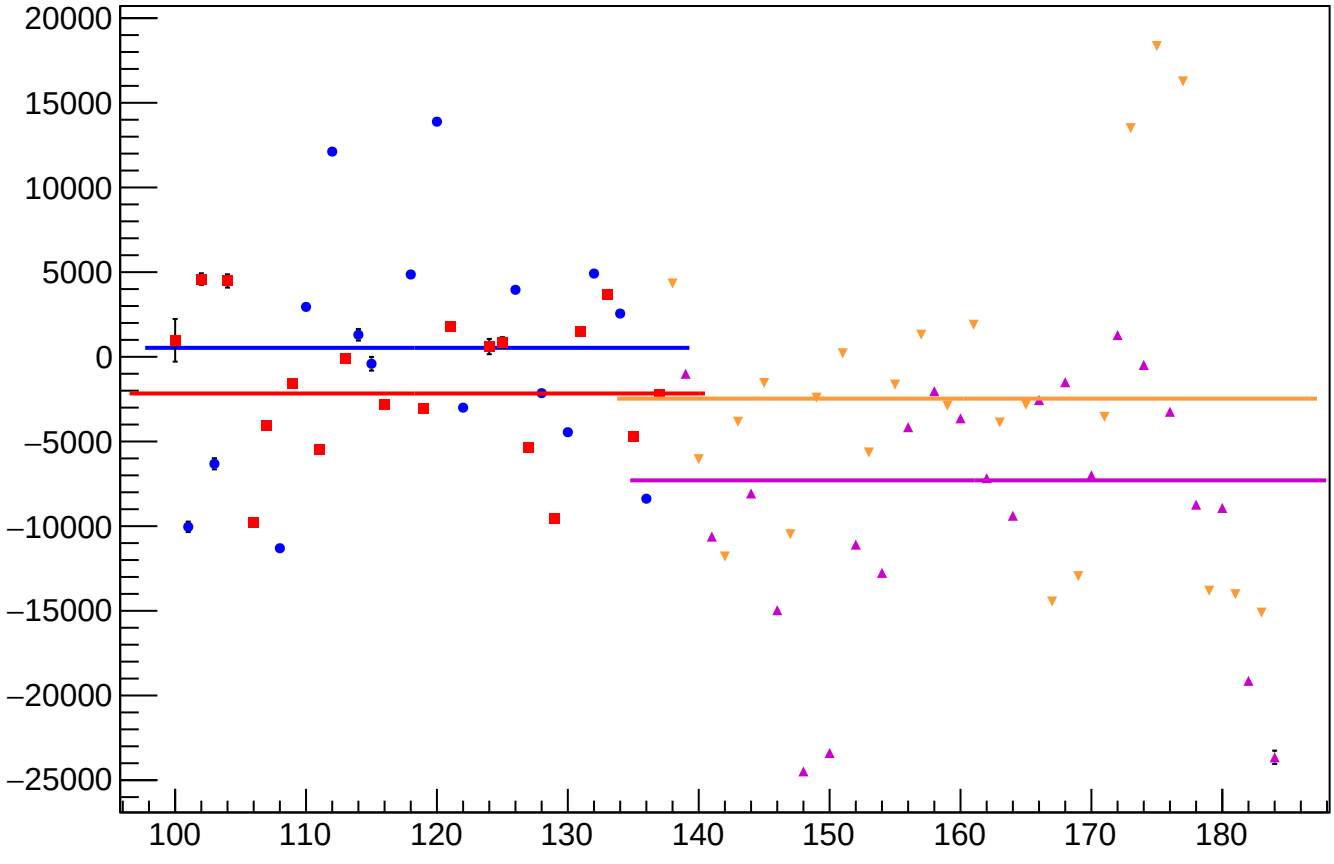
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 110.340+/-0.016 χ^2/NDF:2792684.8/38

Out: 108.713+/-0.016 χ^2/NDF:3043026.0/42

All: 109.498+/-0.011 χ^2/NDF: 5840950.6/81

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2468.939+/-37.797 χ^2/NDF:46700.1/23

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4771.640+/-27.334 χ^2/NDF: 79224.4/46

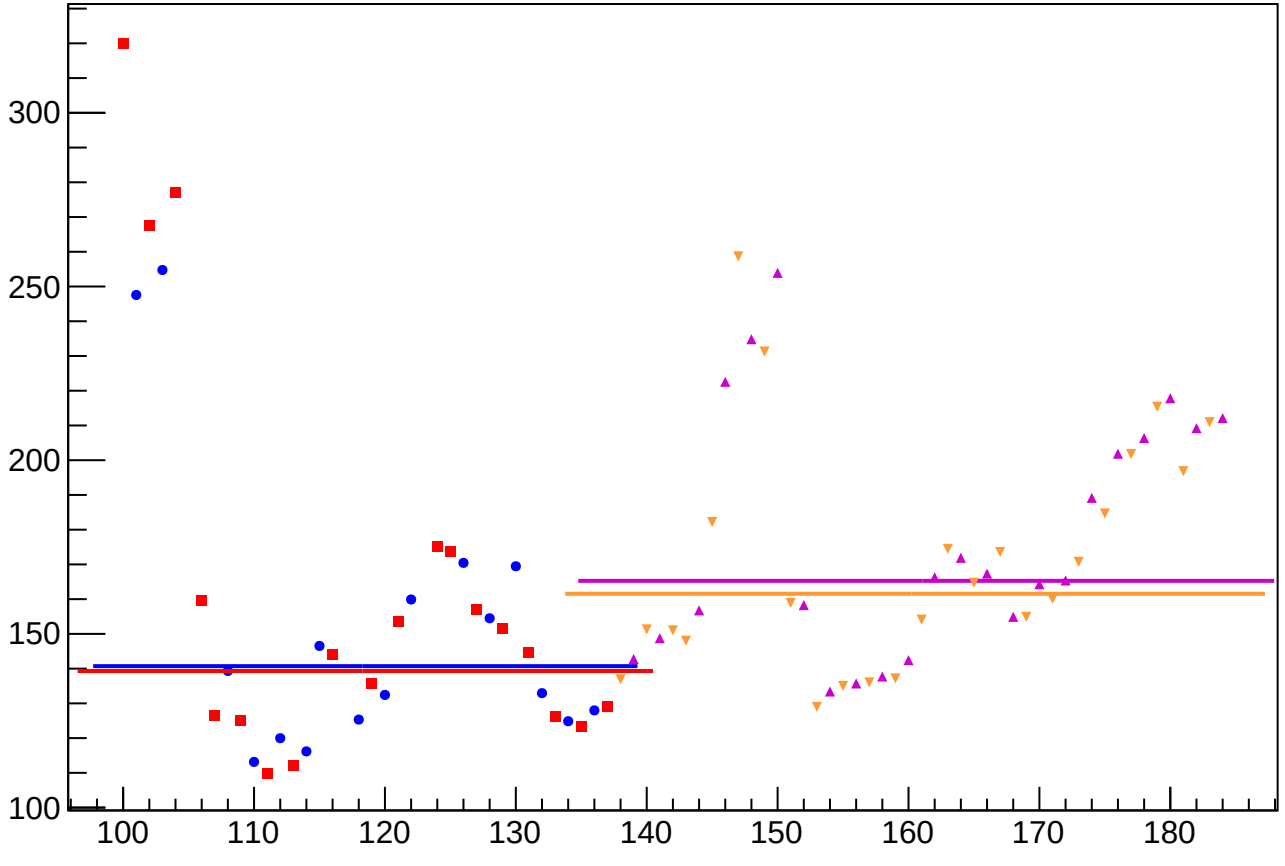
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4616.894+/-32.095 χ^2/NDF:56719.9/38

Out: -2367.638+/-30.862 χ^2/NDF:51688.8/42

All: -3448.240+/-22.246 χ^2/NDF: 110960.6/8

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: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.323+/-0.019 χ^2/NDF: 2303715.7/46

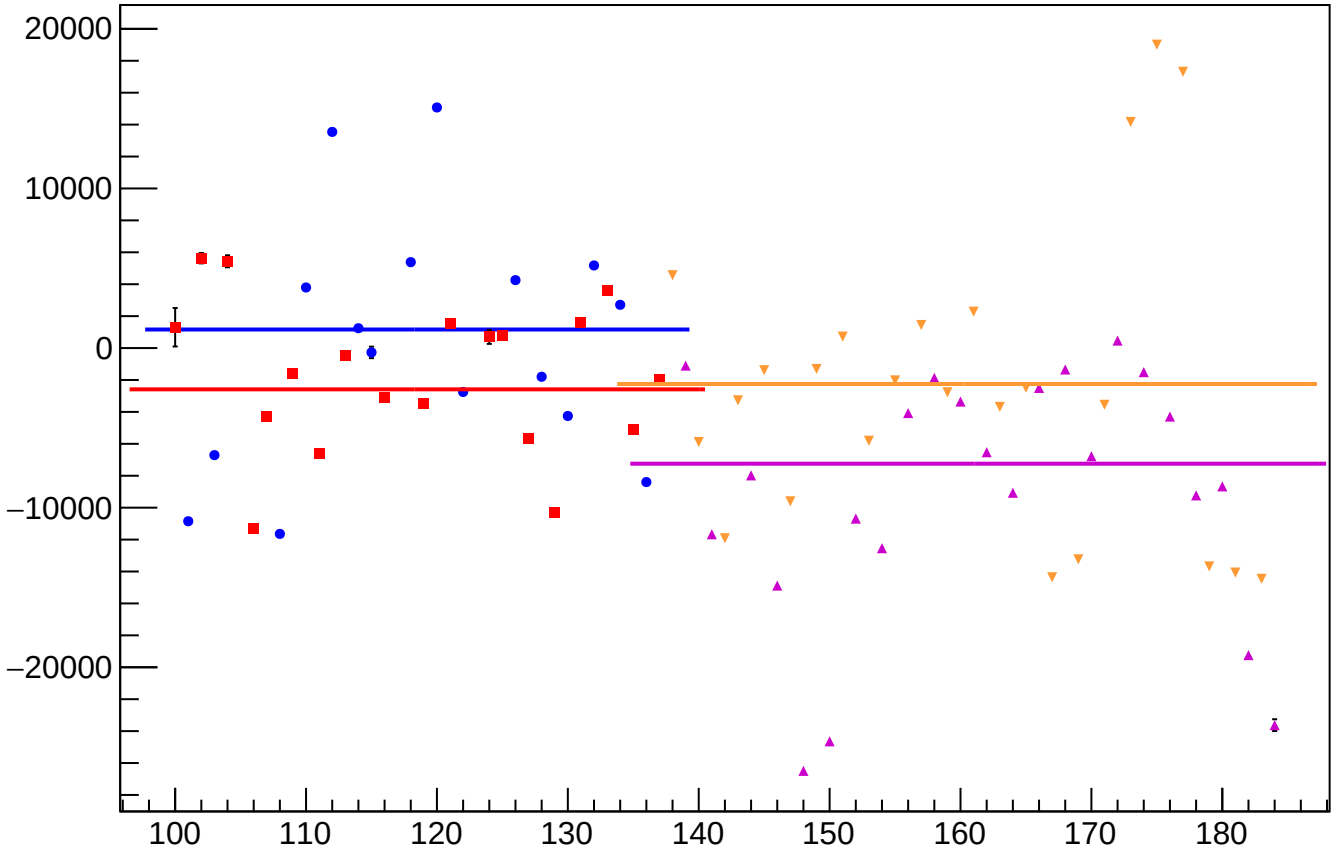
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 156.866+/-0.023 χ^2/NDF:2118326.4/38

Out: 154.136+/-0.022 χ^2/NDF:2148171.2/42

All: 155.447+/-0.016 χ^2/NDF: 4274016.2/81

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: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4625.769+/-24.483 χ^2/NDF: 97979.1/46

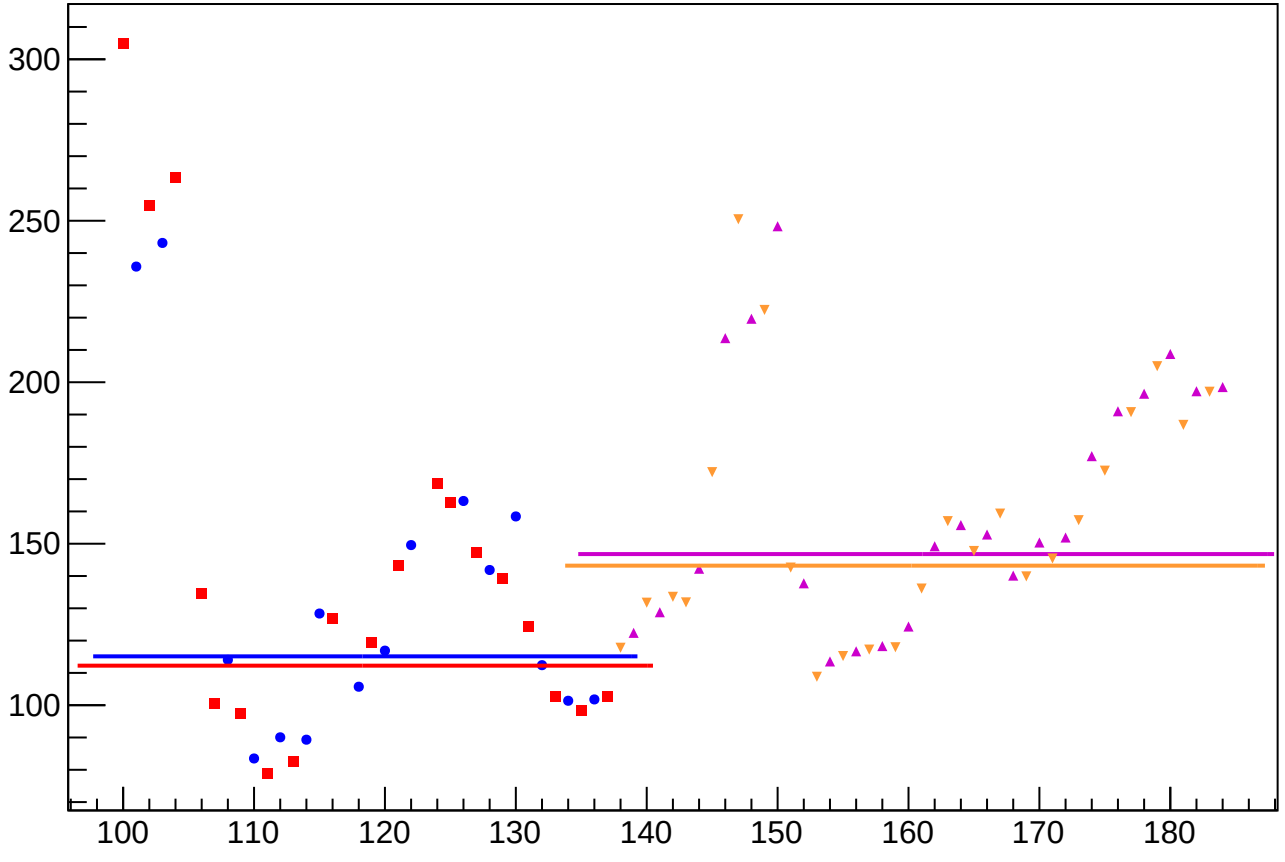
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -4099.630+/-28.092 χ^2/NDF:82176.5/38

Out: -2375.258+/-26.864 χ^2/NDF:65295.2/42

All: -3198.957+/-19.415 χ^2/NDF: 149439.7/8

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: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 144.913+/-0.017 χ^2/NDF: 3327551.3/46

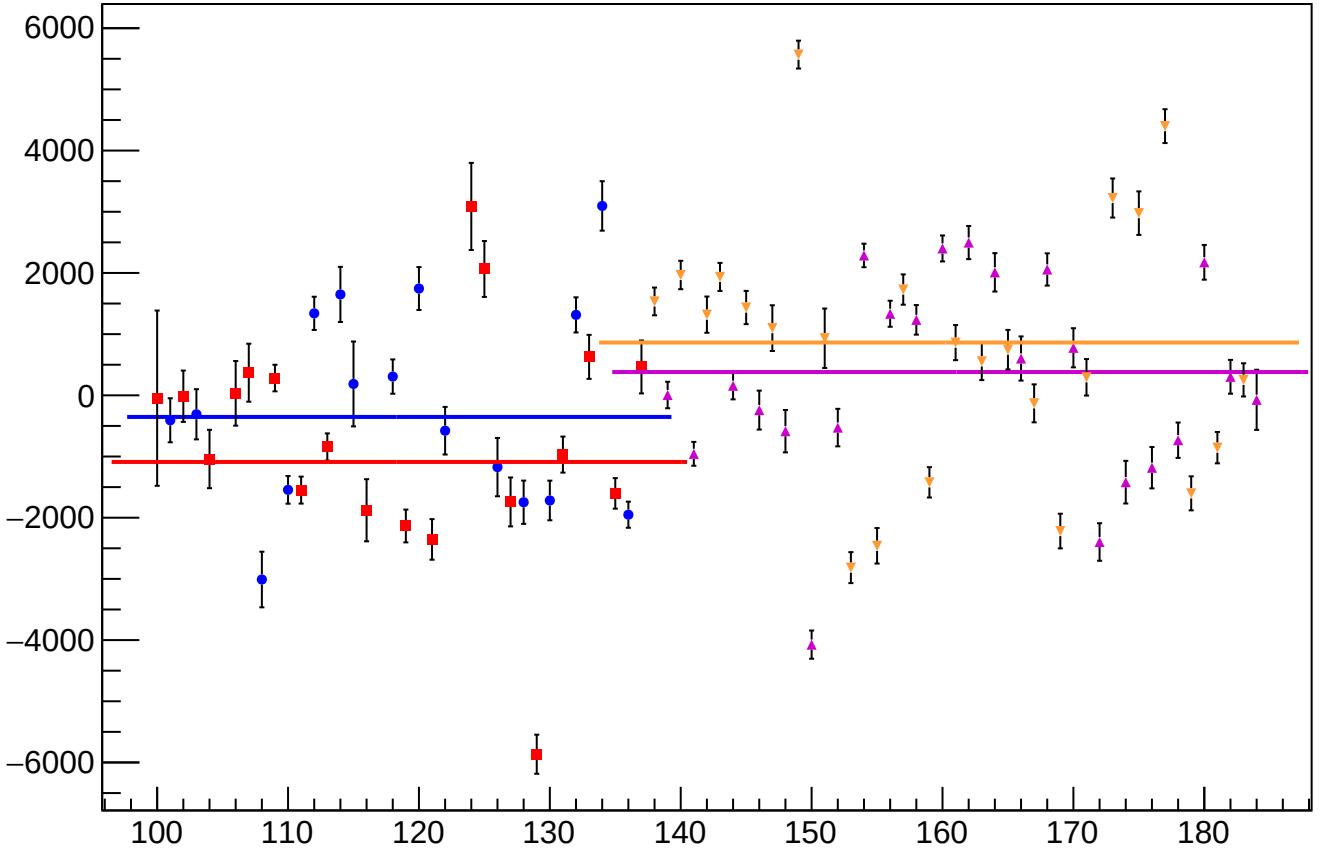
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 134.947+/-0.020 χ^2/NDF:3402617.3/38

Out: 131.798+/-0.019 χ^2/NDF:3568933.7/42

All: 133.302+/-0.014 χ^2/NDF: 6984676.0/81

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: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 615.596+/-39.507 χ^2/NDF: 2461.5/46

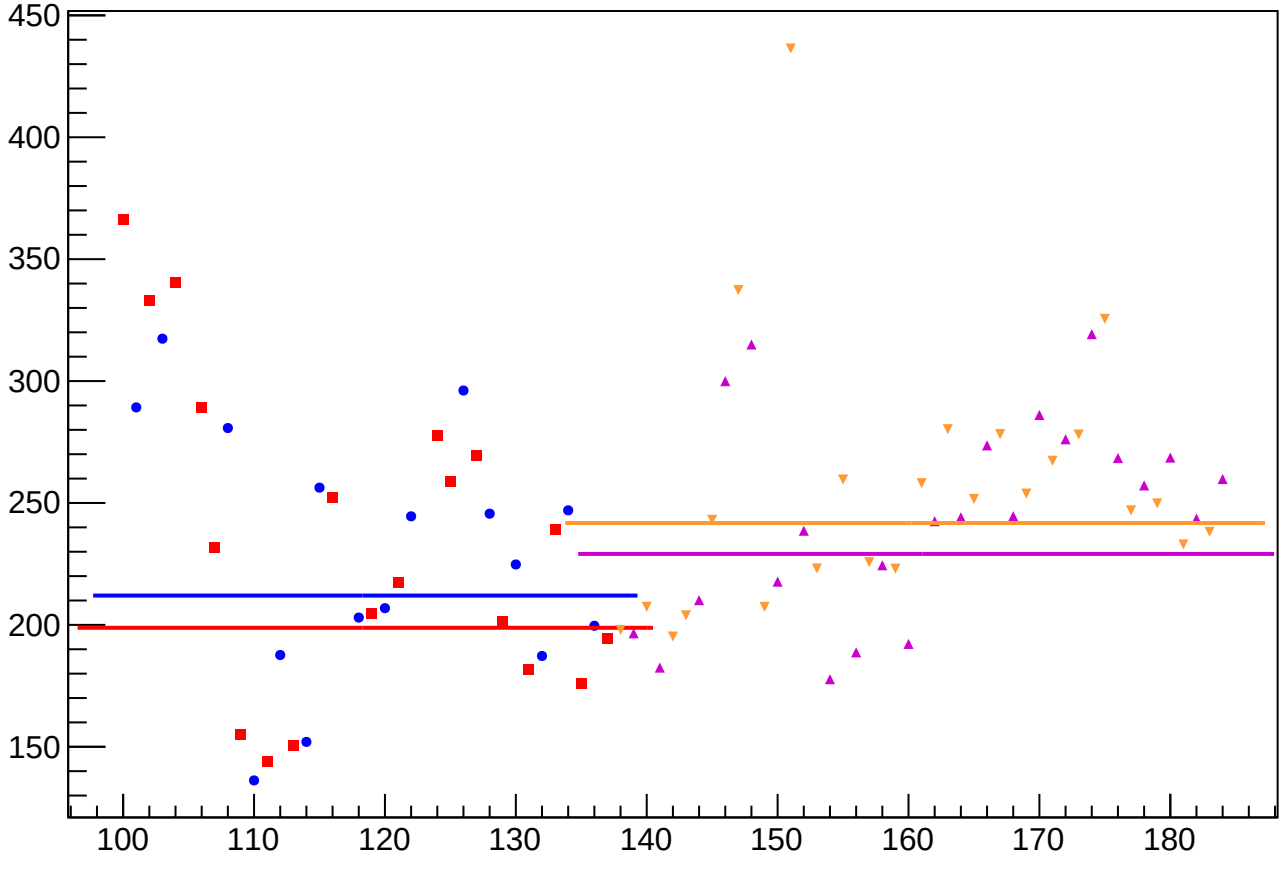
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 152.863+/-45.778 χ^2/NDF:1399.3/38

Out: 171.492+/-45.508 χ^2/NDF:2310.0/42

All: 162.233+/-32.274 χ^2/NDF: 3709.4/81

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: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.275+/-0.028 χ^2/NDF: 2106774.4/46

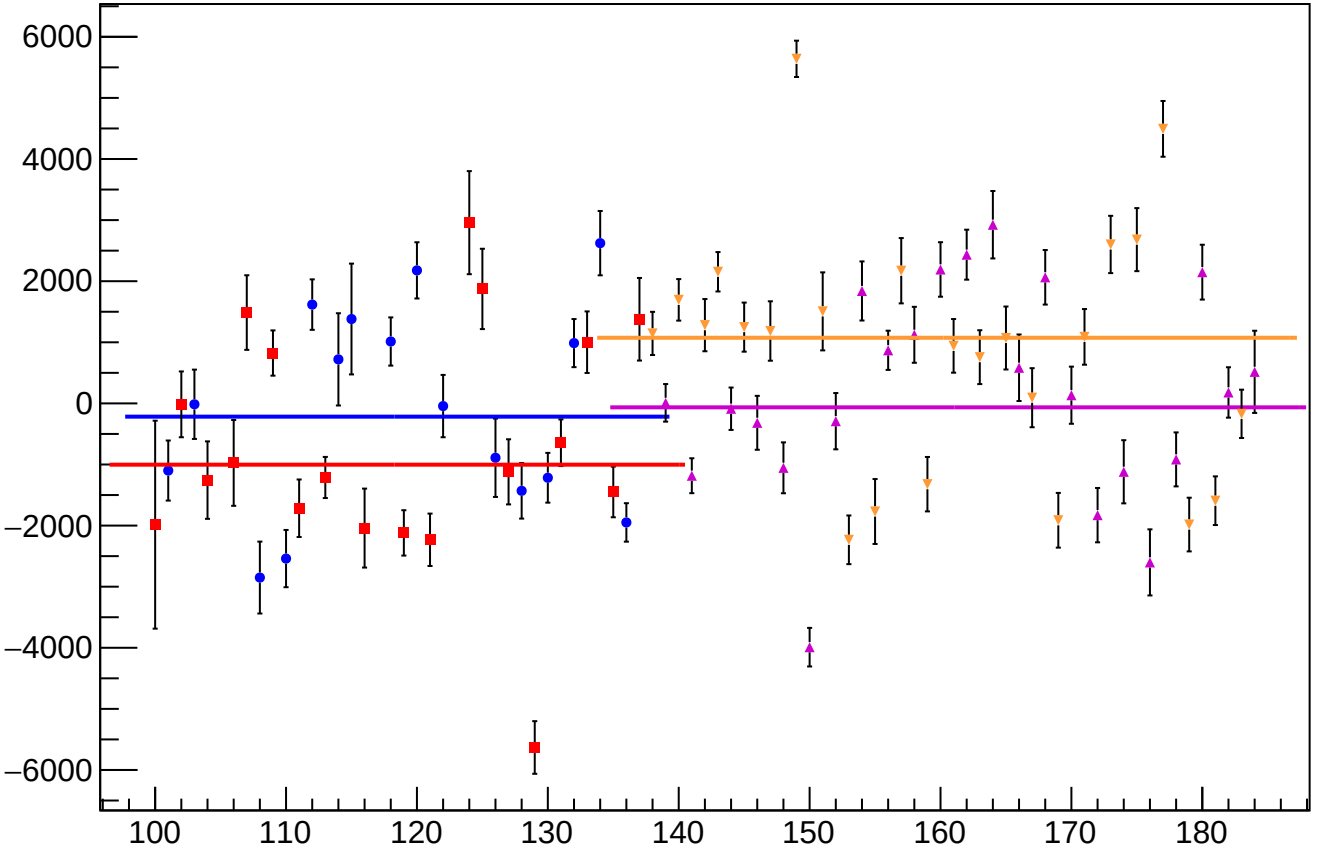
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 223.799+/-0.032 χ^2/NDF:1818909.9/38

Out: 226.556+/-0.032 χ^2/NDF:2369366.4/42

All: 225.185+/-0.023 χ^2/NDF: 4191923.8/81

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: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 505.469+/-61.239 χ^2/NDF: 1091.7/46

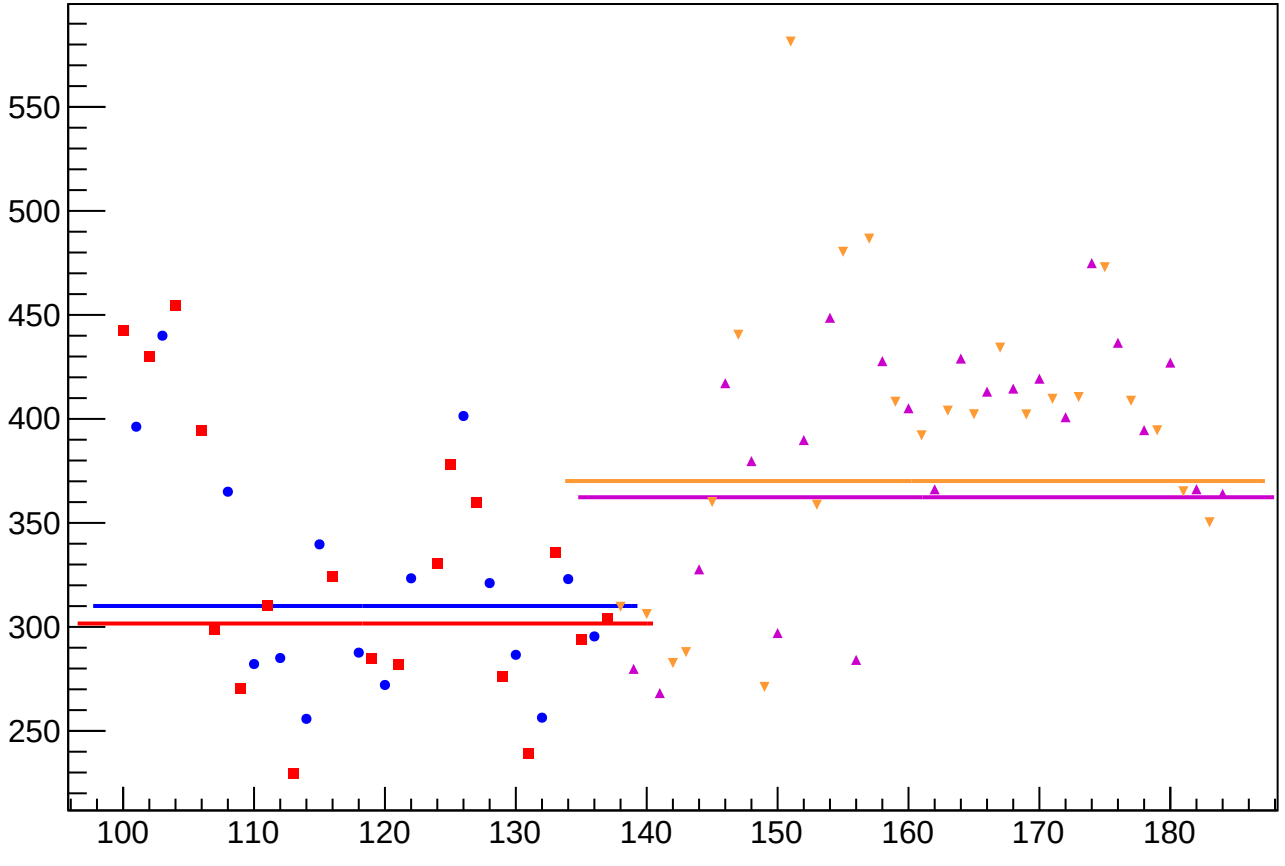
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -118.075+/-69.824 χ^2/NDF:587.7/38

Out: 307.069+/-68.736 χ^2/NDF:1077.8/42

All: 97.834+/-48.984 χ^2/NDF: 1684.4/81

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: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.243+/-0.043 χ^2/NDF: 2291002.4/46

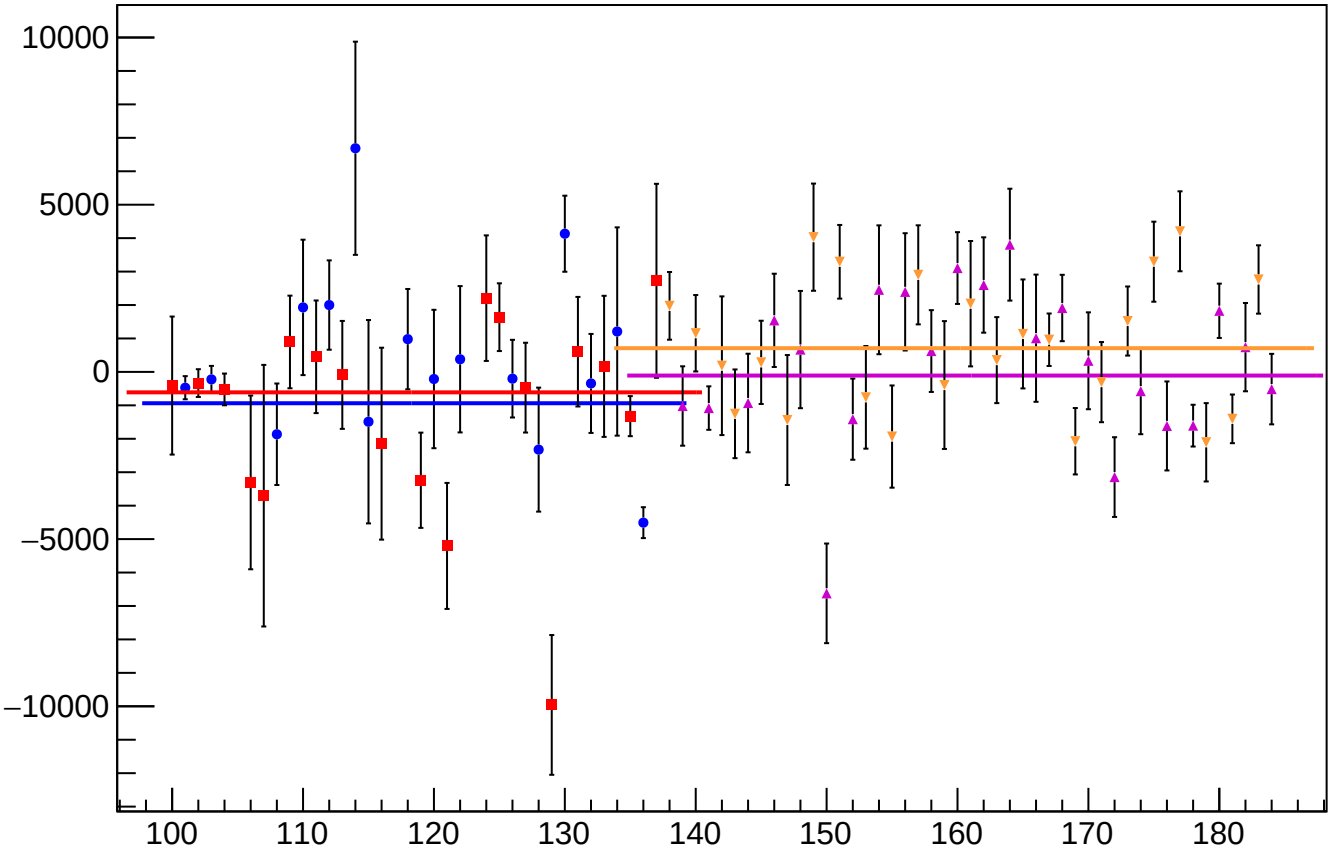
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 344.001+/-0.049 χ^2/NDF:1632022.4/38

Out: 344.840+/-0.049 χ^2/NDF:2212005.0/42

All: 344.427+/-0.035 χ^2/NDF: 3844174.1/81

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: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 289.027+/-170.402 χ^2/NDF: 140.4/46

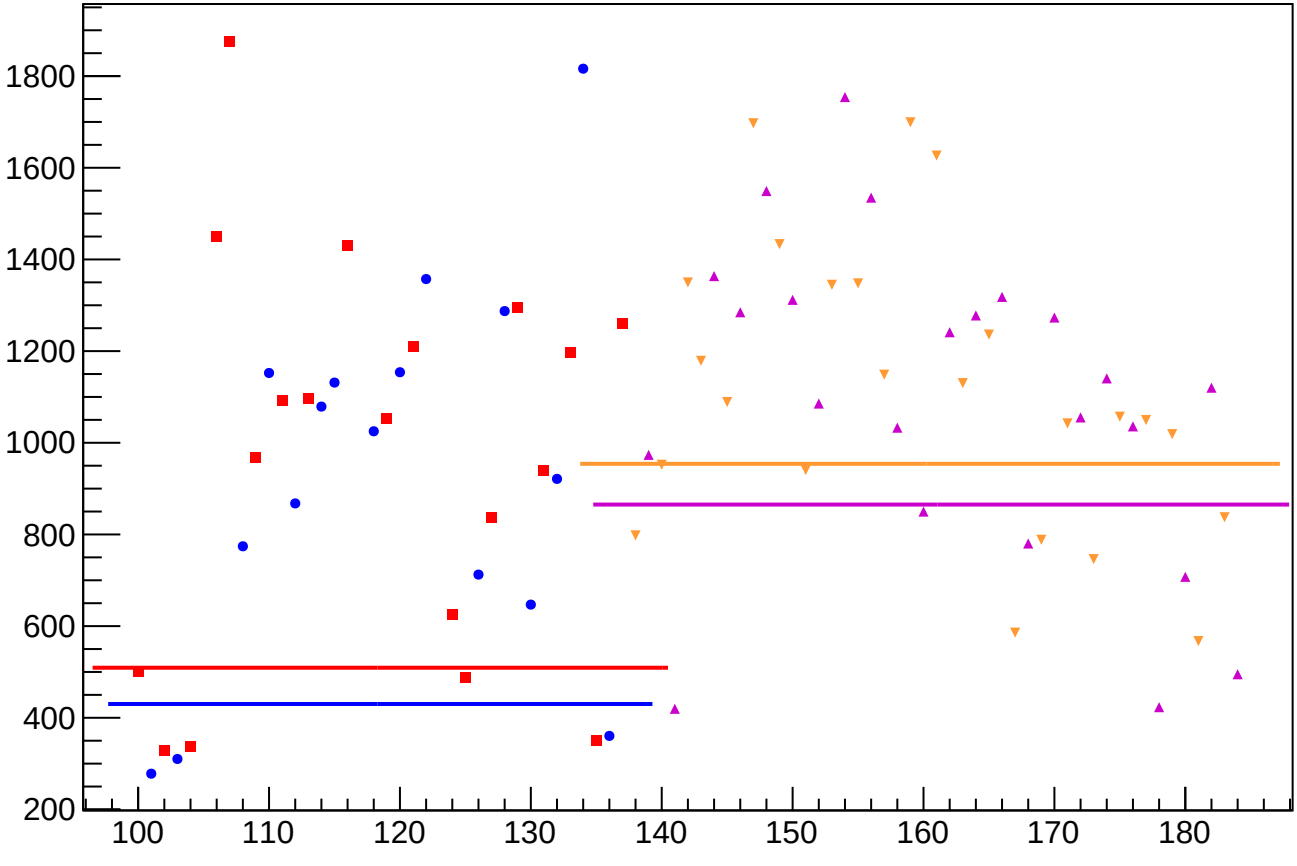
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -584.797+/-155.153 χ^2/NDF:179.9/38

Out: 18.122+/-168.655 χ^2/NDF:122.4/42

All: -308.433+/-114.185 χ^2/NDF: 309.2/81

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: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 908.483+/-0.120 χ^2/NDF: 7769848.1/46

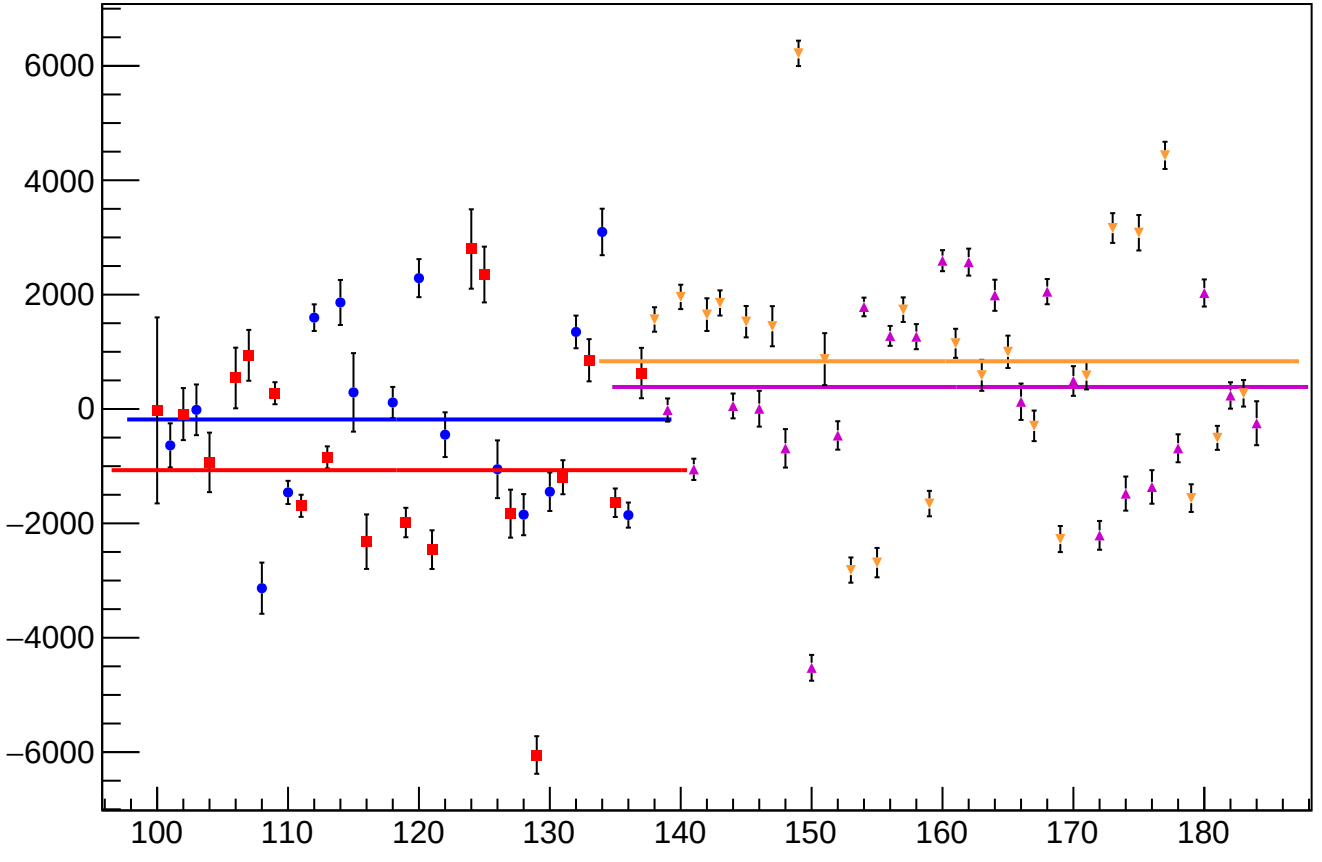
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 615.293+/-0.110 χ^2/NDF:12159806.4/38

Out: 721.314+/-0.119 χ^2/NDF:9986148.6/42

All: 663.891+/-0.081 χ^2/NDF: 22574018.2/81

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: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 601.126+/-34.925 χ^2/NDF: 3280.5/46

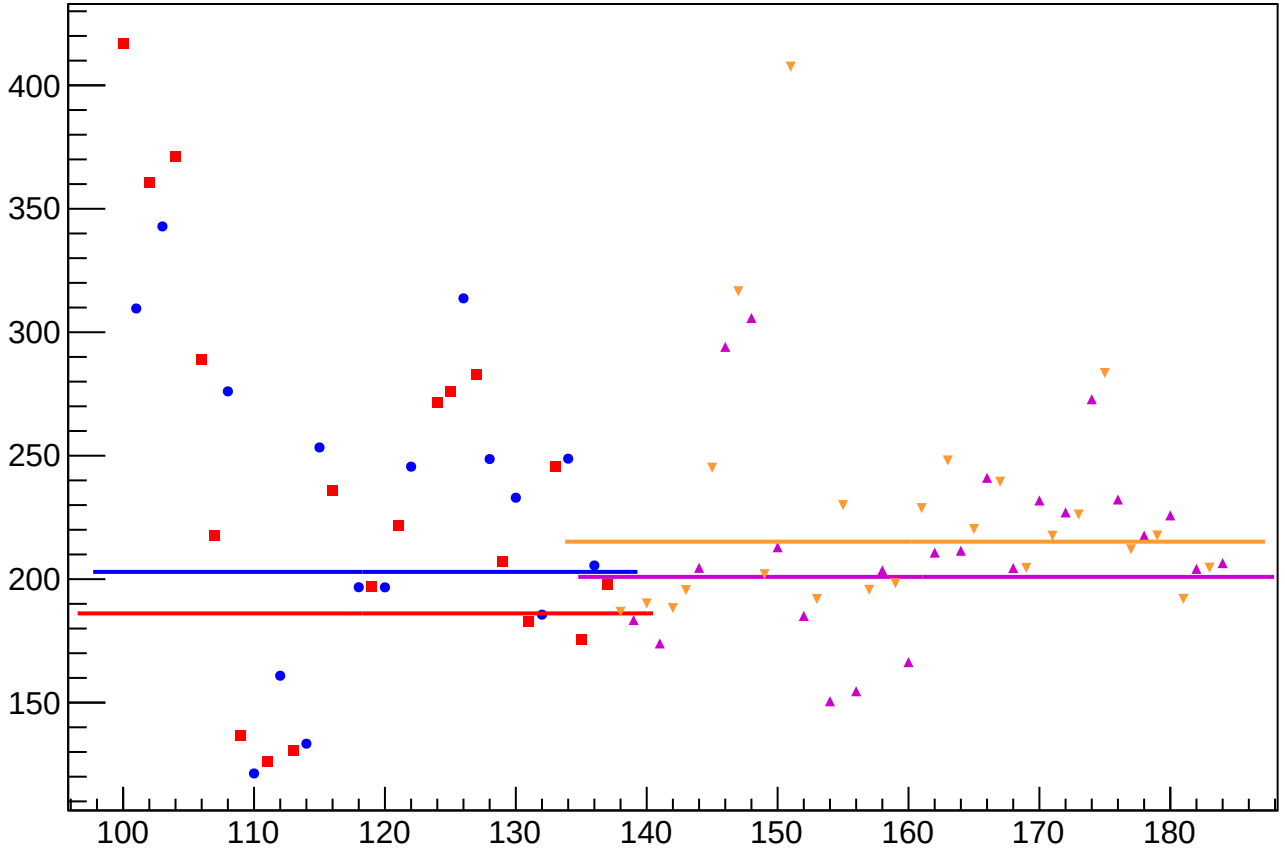
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 232.168+/-41.426 χ^2/NDF:1708.0/38

Out: 220.969+/-41.478 χ^2/NDF:2938.5/42

All: 226.575+/-29.311 χ^2/NDF: 4646.6/81

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: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.770+/-0.025 χ^2/NDF: 2085694.1/46

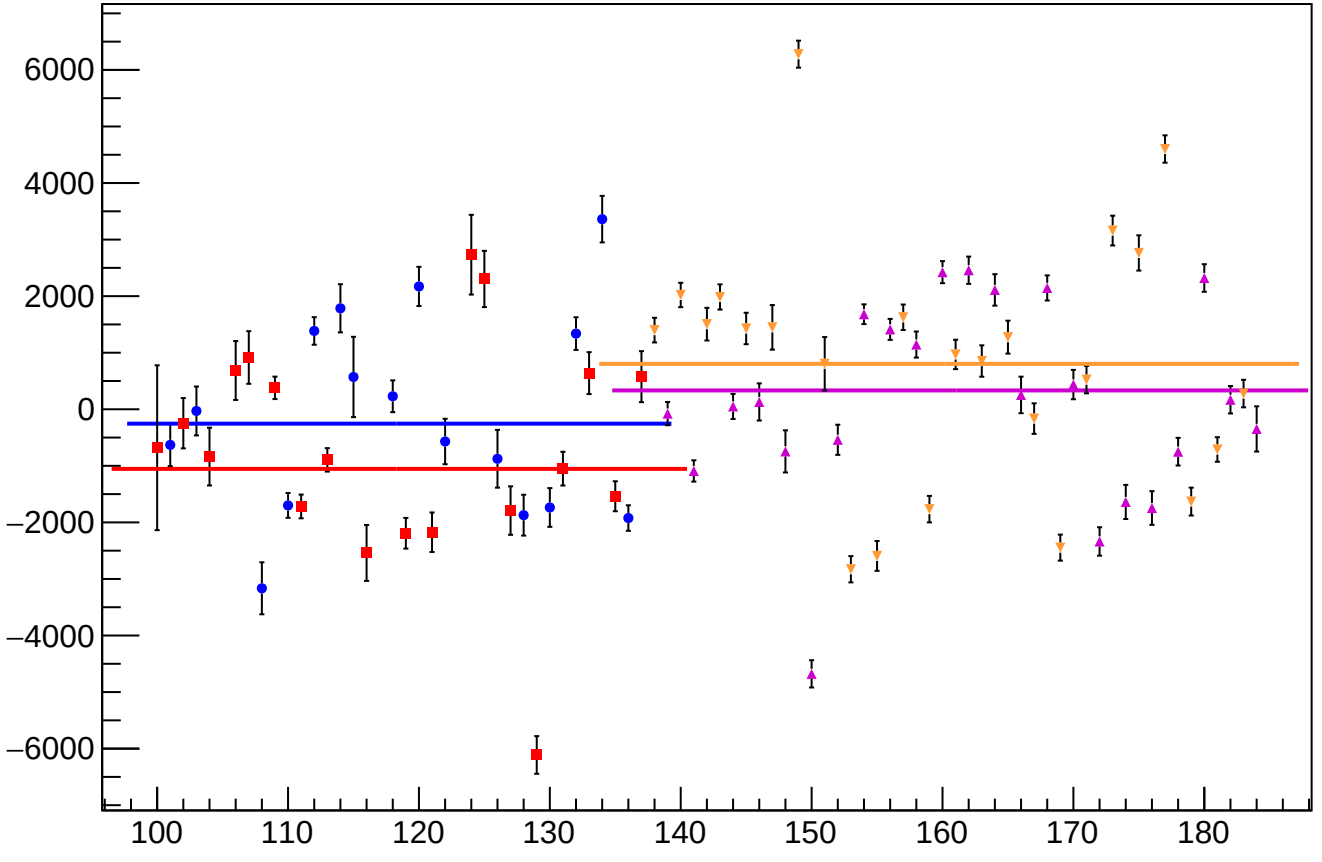
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 201.462+/-0.029 χ^2/NDF:2178640.9/38

Out: 205.817+/-0.029 χ^2/NDF:2592552.3/42

All: 203.637+/-0.021 χ^2/NDF: 4782232.4/81

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: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 560.939+/-36.049 χ^2/NDF: 3142.0/46

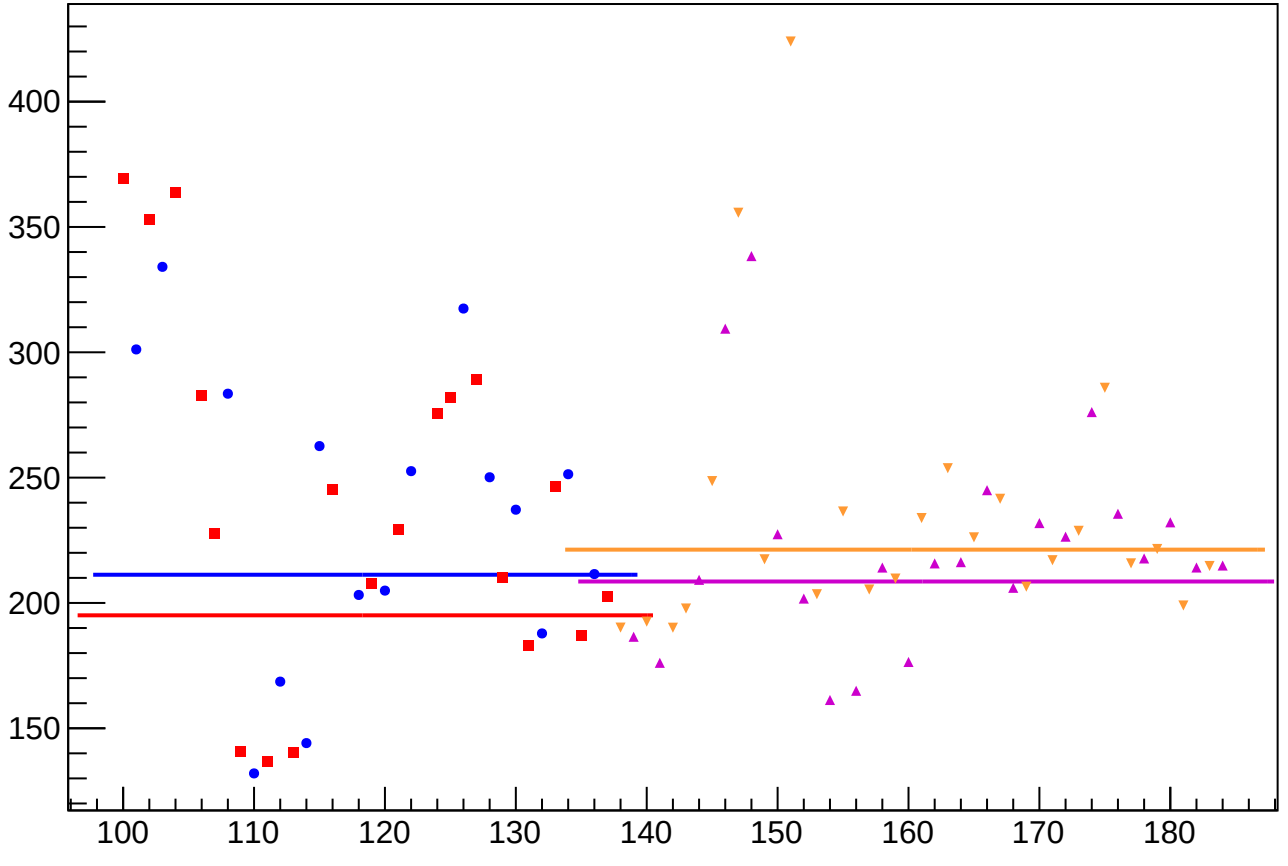
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 174.479+/-42.880 χ^2/NDF:1661.6/38

Out: 213.919+/-42.802 χ^2/NDF:2769.8/42

All: 194.235+/-30.293 χ^2/NDF: 4431.8/81

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: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.711+/-0.025 χ^2/NDF: 2036919.2/46

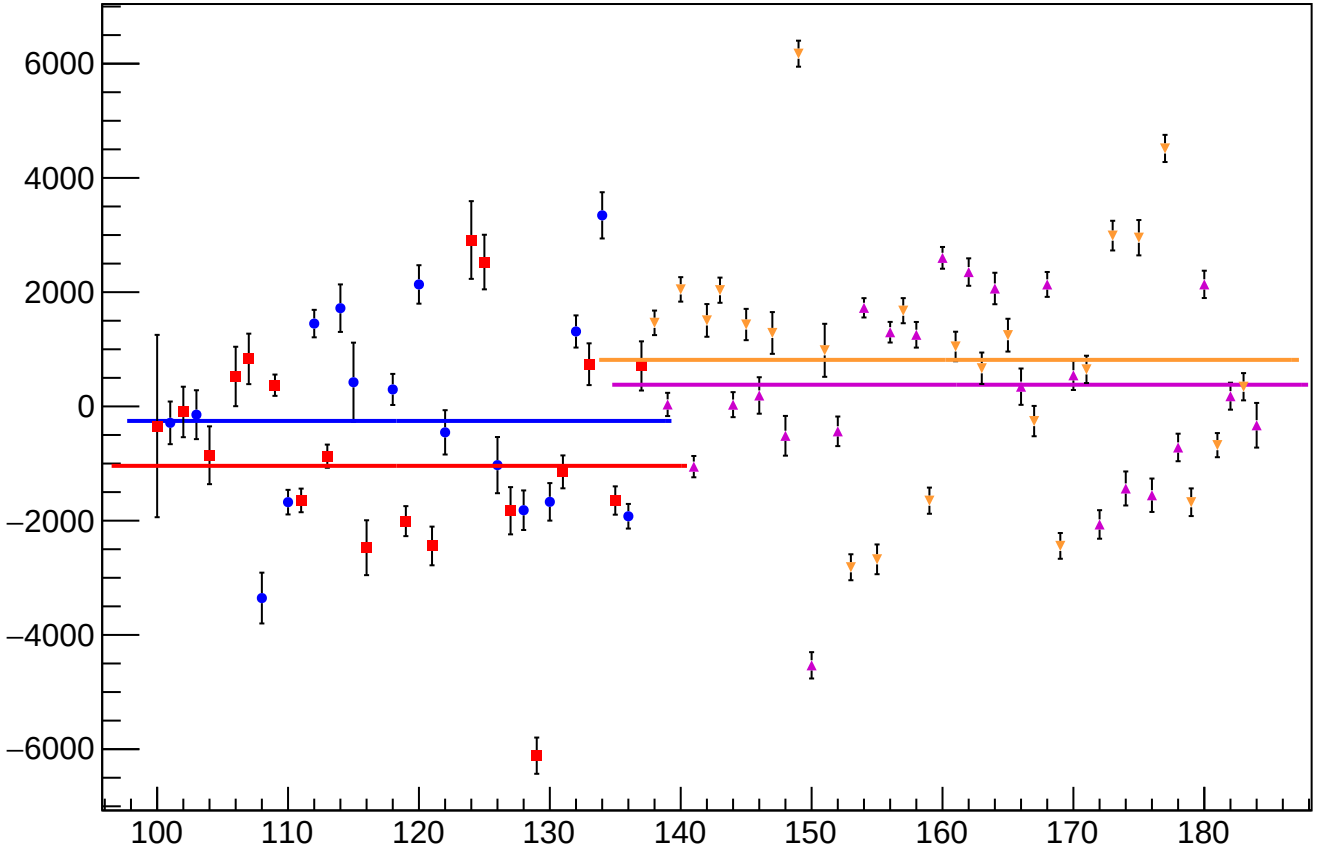
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 209.285+/-0.030 χ^2/NDF:1921562.3/38

Out: 212.948+/-0.030 χ^2/NDF:2386503.1/42

All: 211.120+/-0.021 χ^2/NDF: 4315377.8/81

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 814.872+/-50.877 χ^2/NDF:1953.0/23

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 589.860+/-35.361 χ^2/NDF: 3192.0/46

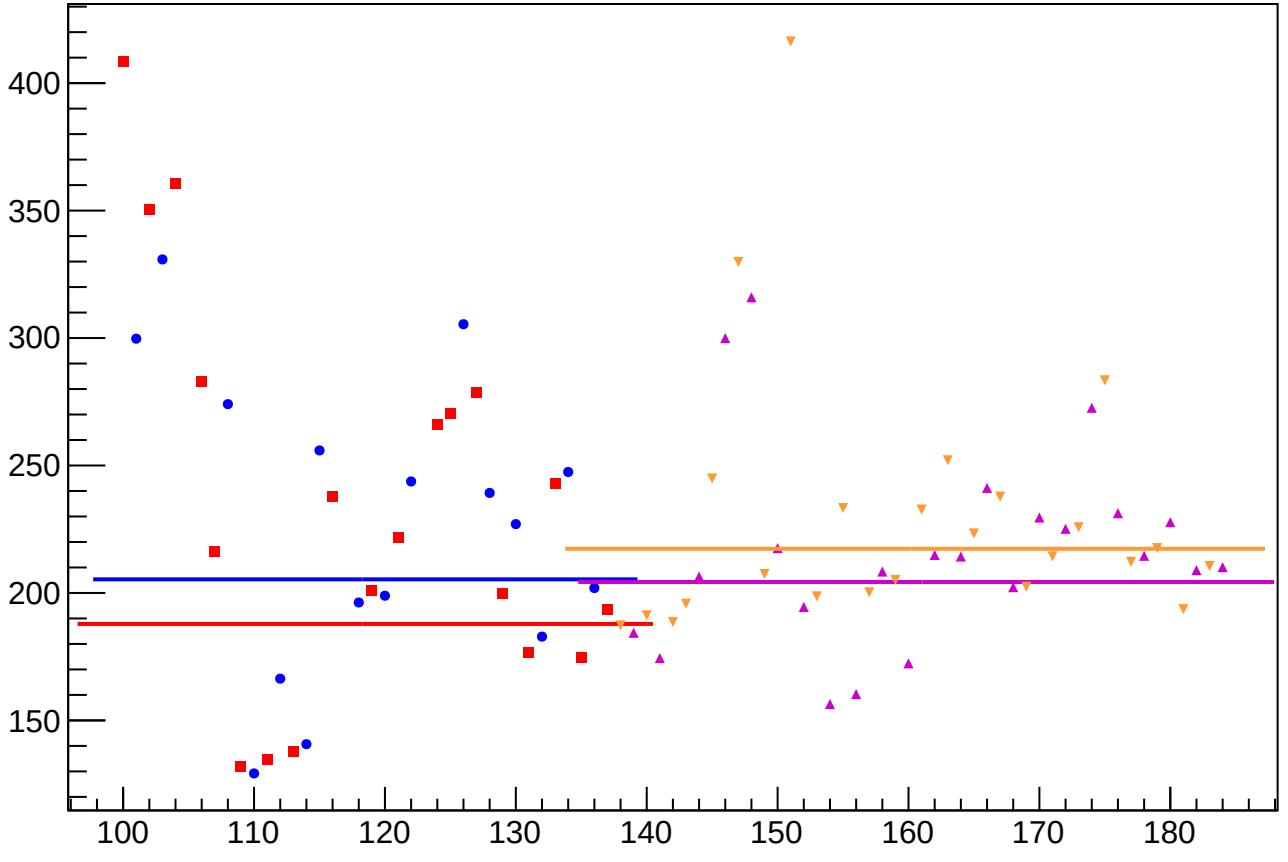
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 206.478+/-41.930 χ^2/NDF:1678.6/38

Out: 212.386+/-41.807 χ^2/NDF:2918.2/42

All: 209.441+/-29.606 χ^2/NDF: 4596.8/81

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: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.600+/-0.025 χ^2/NDF: 1992643.5/46

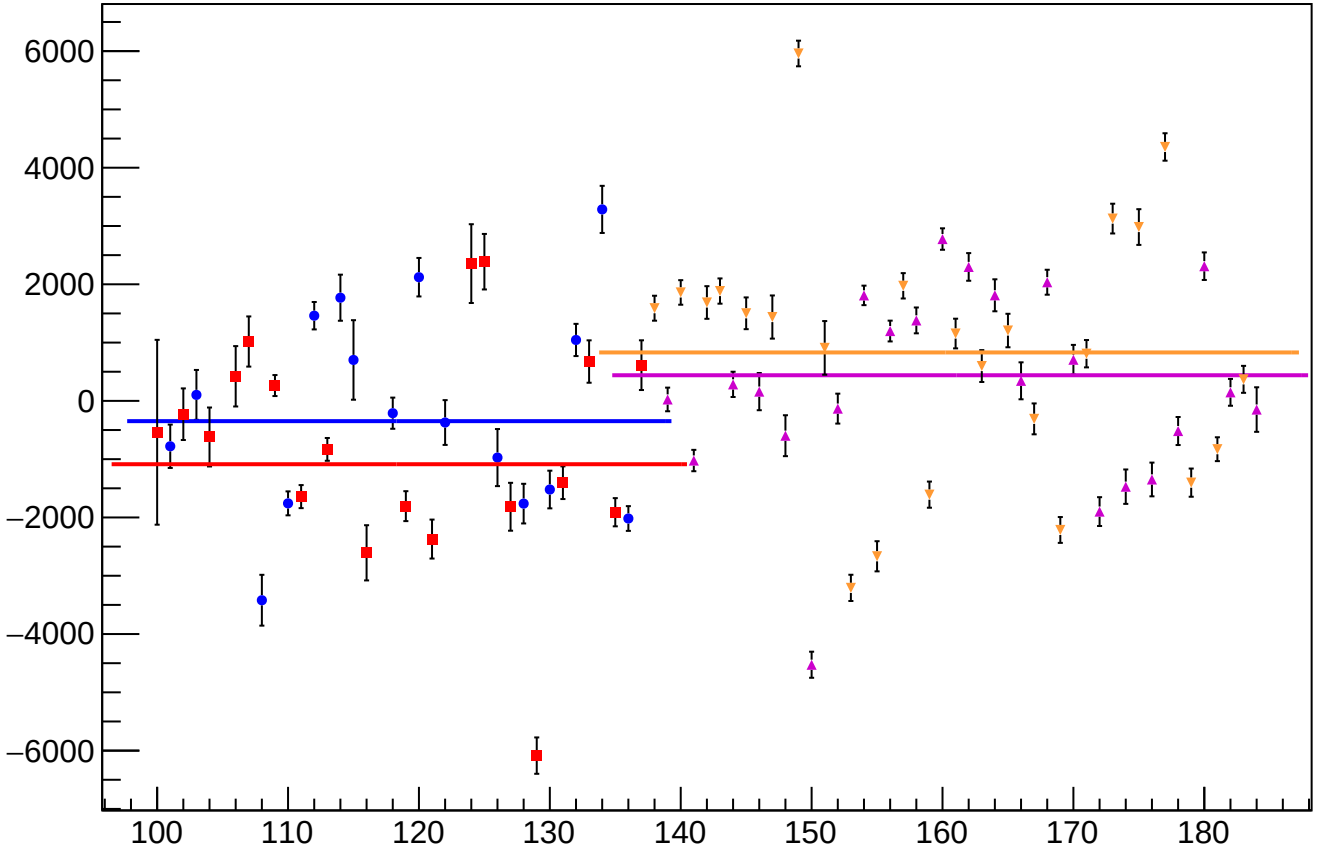
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 204.590+/-0.030 χ^2/NDF:1892688.7/38

Out: 207.758+/-0.030 χ^2/NDF:2465024.4/42

All: 206.179+/-0.021 χ^2/NDF: 4363437.0/81

asym_bpm0l07WS_mean vs Slug, Sign Corrected



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: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 628.848+/-34.876 χ^2/NDF: 3259.7/46

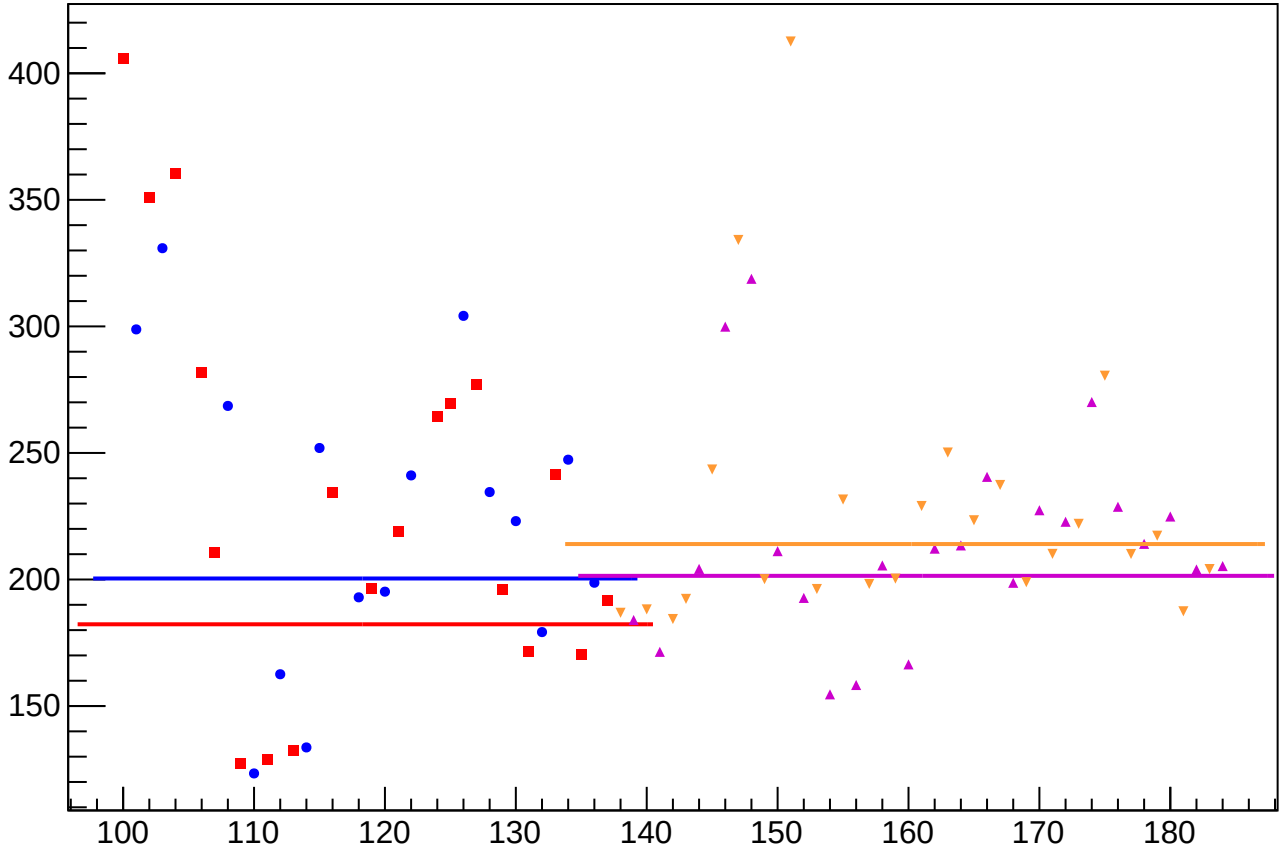
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 222.200+/-41.292 χ^2/NDF:1753.4/38

Out: 199.037+/-41.064 χ^2/NDF:3002.2/42

All: 210.554+/-29.117 χ^2/NDF: 4755.8/81

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: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.521+/-0.025 χ^2/NDF: 2089051.5/46

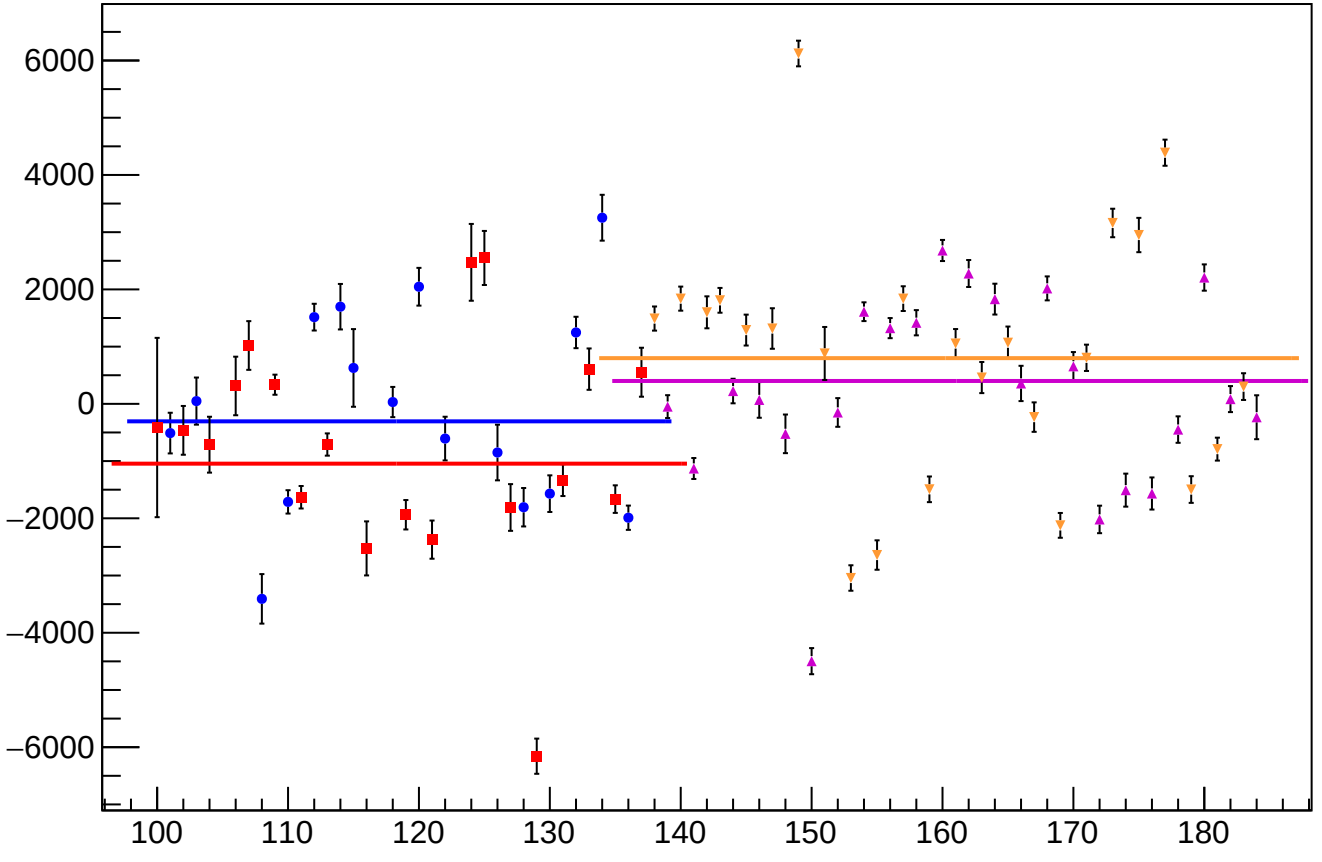
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 201.156+/-0.029 χ^2/NDF:2021230.0/38

Out: 203.560+/-0.029 χ^2/NDF:2672880.8/42

All: 202.365+/-0.021 χ^2/NDF: 4697518.3/81

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: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 592.160+/-34.412 χ^2/NDF: 3259.3/46

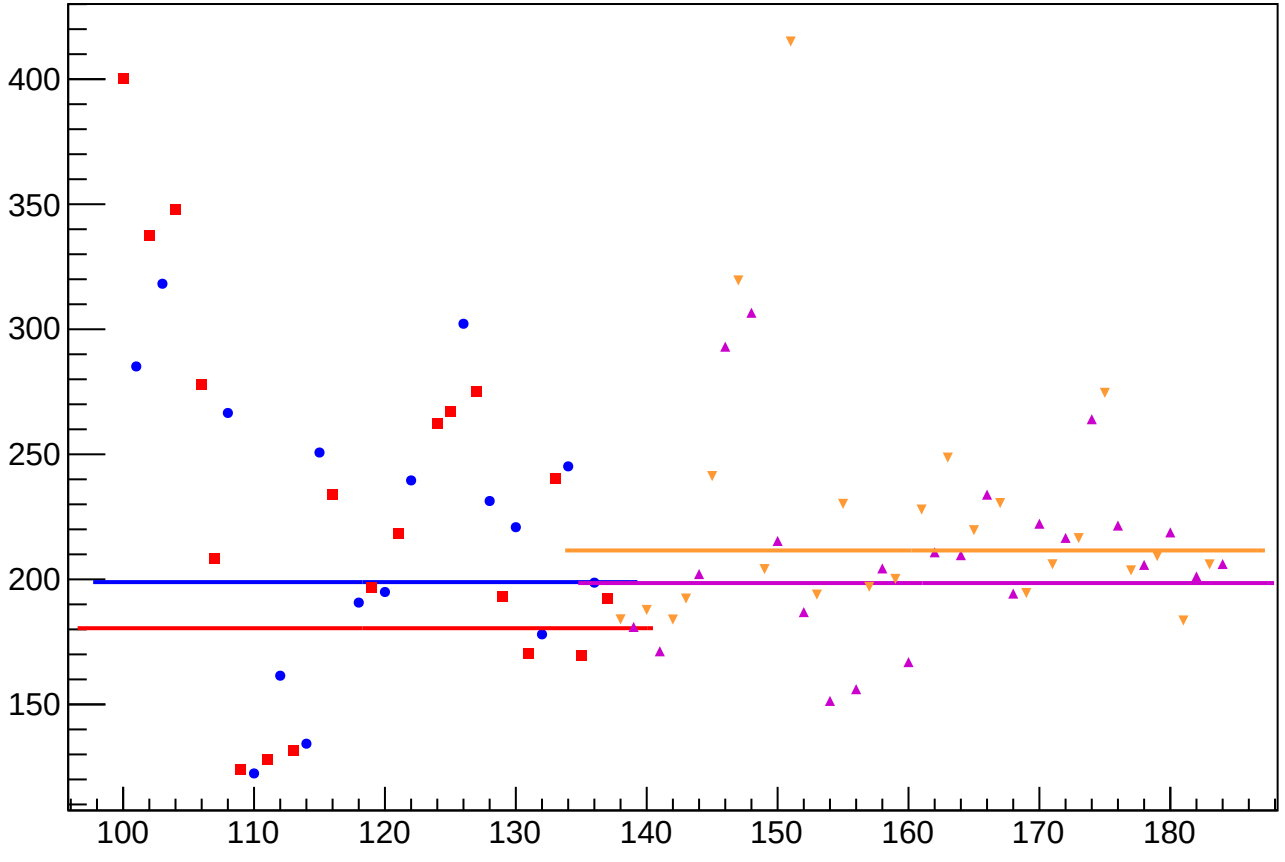
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 206.615+/-40.749 χ^2/NDF:1743.4/38

Out: 192.652+/-40.606 χ^2/NDF:3000.9/42

All: 199.609+/-28.763 χ^2/NDF: 4744.4/81

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: 198.524+/-0.034 χ^2/NDF:1006458.6/22

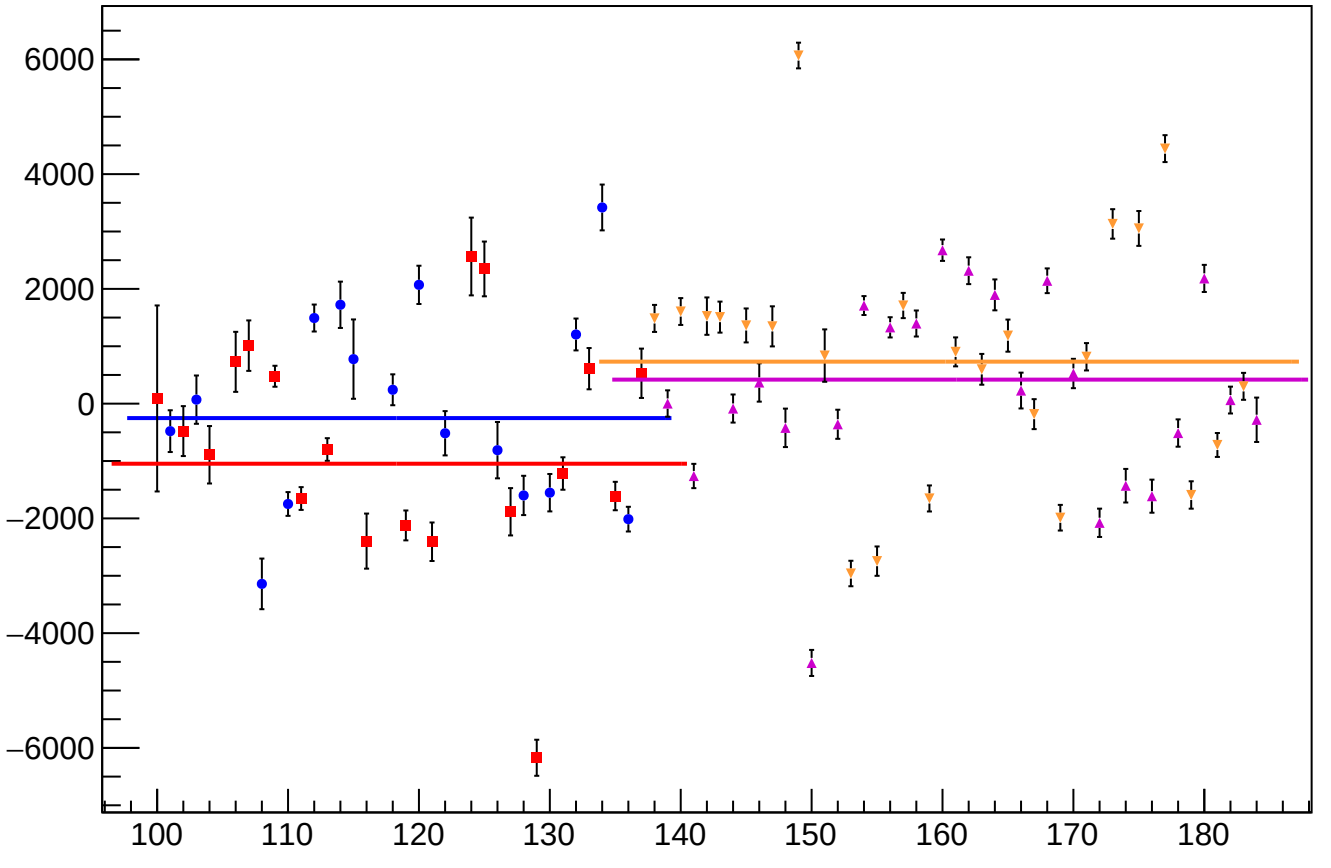
Left: 204.807+/-0.024 χ^2/NDF: 2012844.9/46

Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 198.628+/-0.029 χ^2/NDF:1919257.8/38

Out: 201.338+/-0.029 χ^2/NDF:2627816.0/42

All: 199.988+/-0.020 χ^2/NDF: 4551513.7/81



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: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 569.065+/-35.702 χ^2/NDF: 3171.8/46

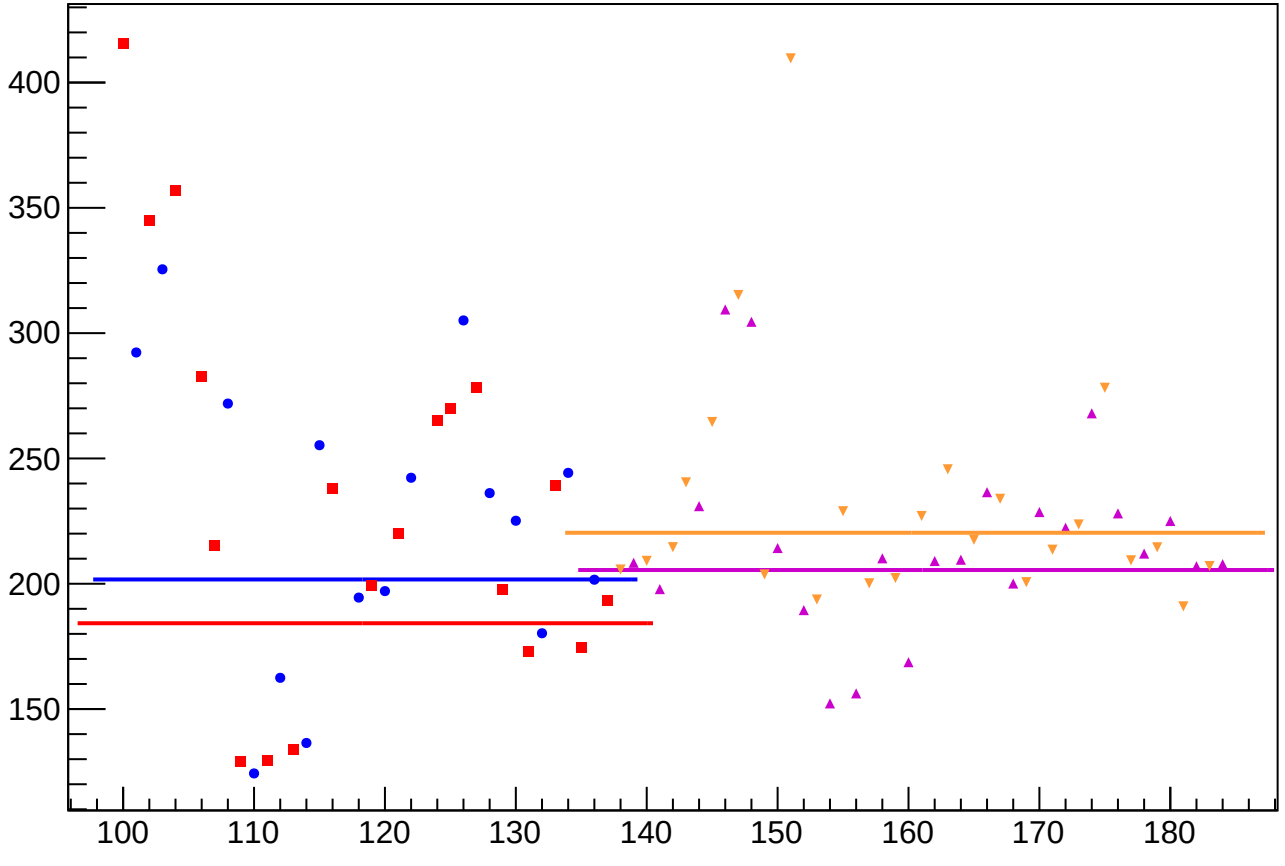
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 229.366+/-41.956 χ^2/NDF:1733.9/38

Out: 131.627+/-41.934 χ^2/NDF:2860.8/42

All: 180.470+/-29.660 χ^2/NDF: 4597.4/81

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: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.622+/-0.025 χ^2/NDF: 1898246.9/46

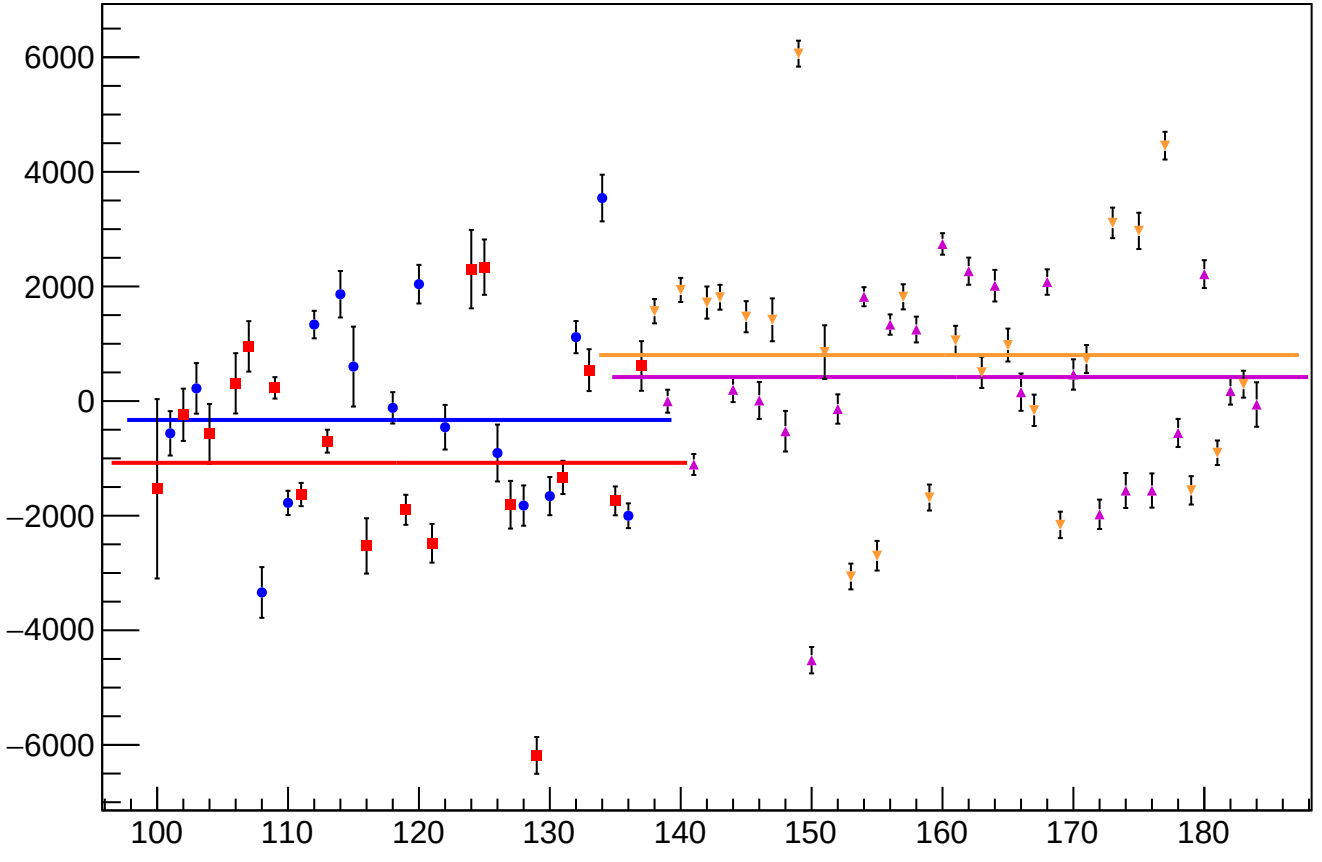
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 204.418+/-0.030 χ^2/NDF:1941443.3/38

Out: 208.166+/-0.030 χ^2/NDF:2532941.8/42

All: 206.293+/-0.021 χ^2/NDF: 4482369.0/81

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: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 604.147+/-35.364 χ^2/NDF: 3171.6/46

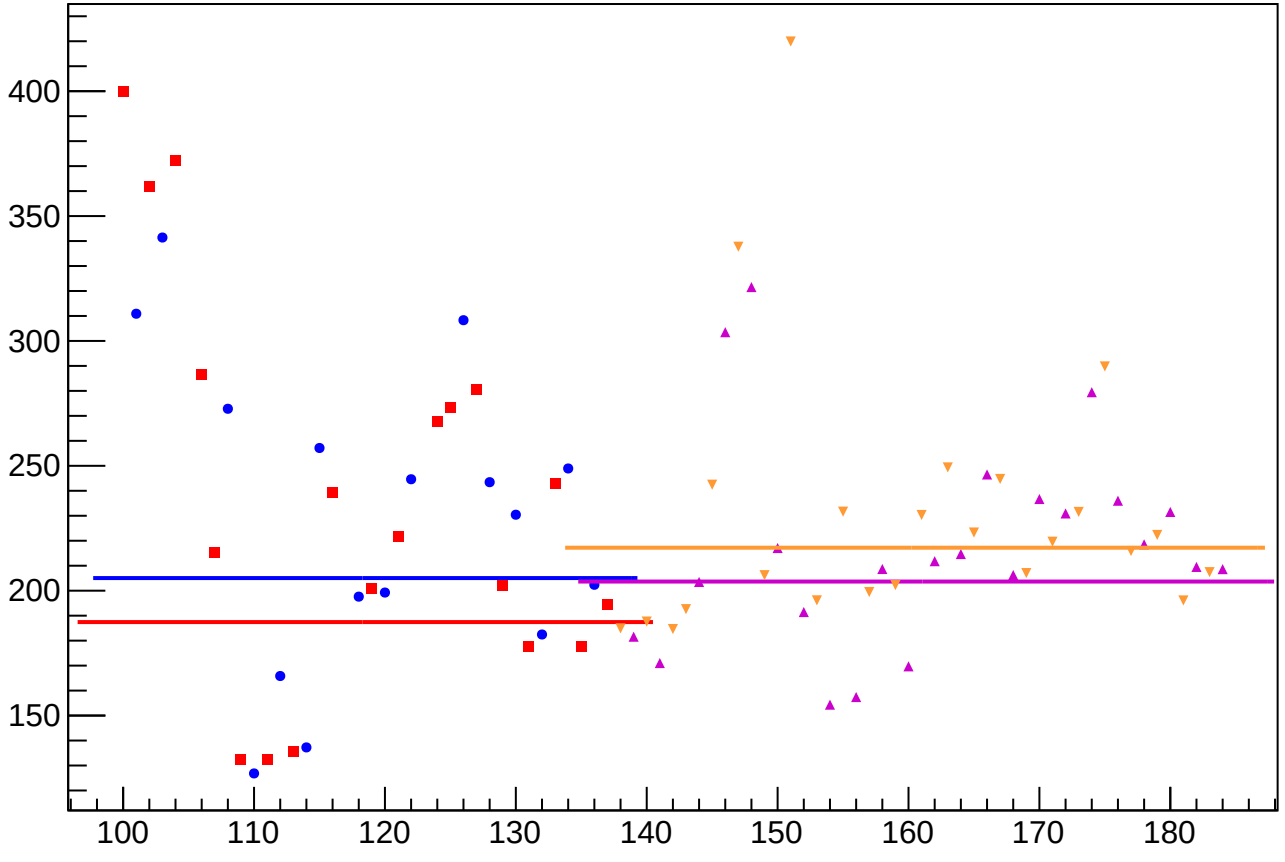
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 215.148+/-41.931 χ^2/NDF:1710.5/38

Out: 191.969+/-41.839 χ^2/NDF:2876.4/42

All: 203.534+/-29.617 χ^2/NDF: 4587.0/81

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: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.196+/-0.025 χ^2/NDF: 2220373.8/46

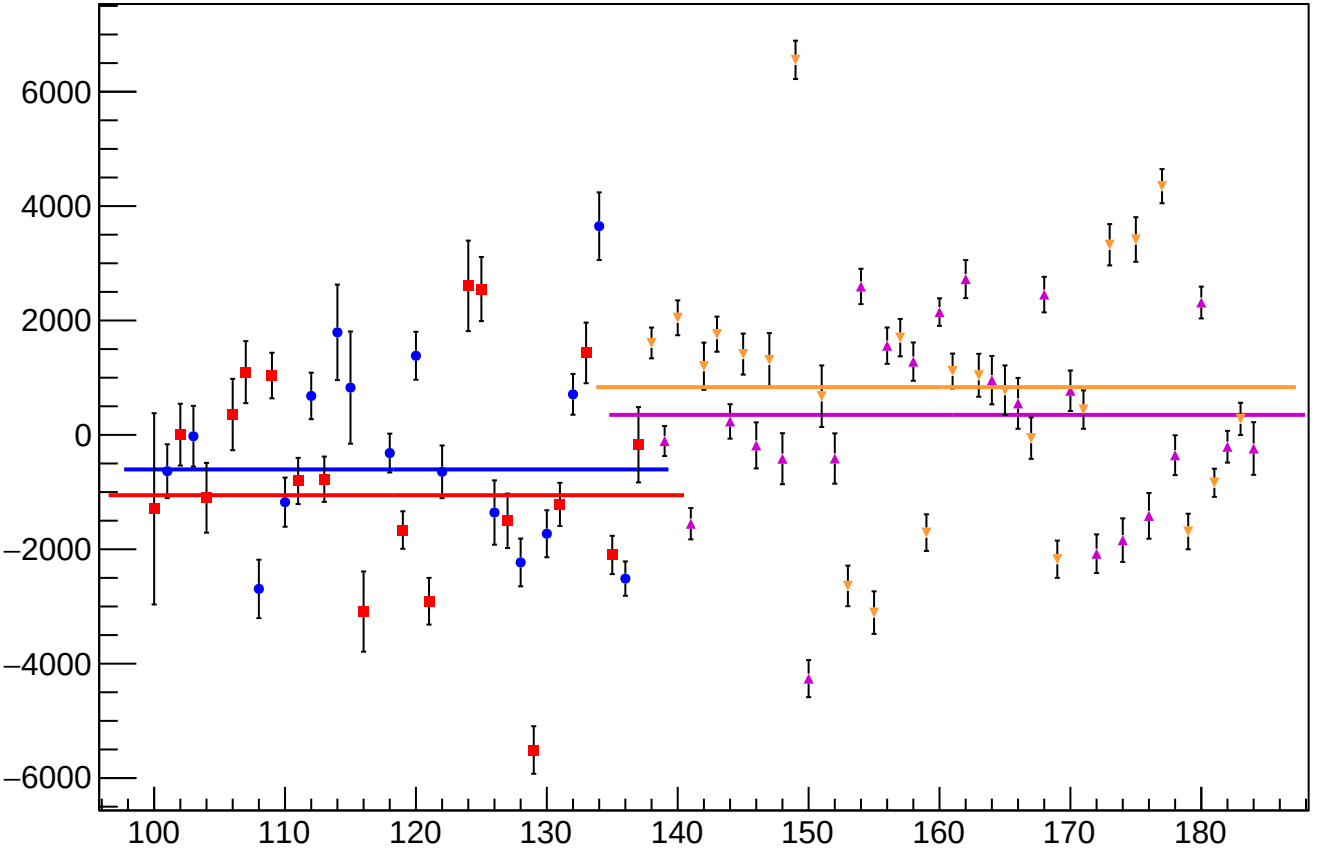
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 204.039+/-0.030 χ^2/NDF:2128824.1/38

Out: 207.536+/-0.030 χ^2/NDF:2614752.0/42

All: 205.791+/-0.021 χ^2/NDF: 4750546.3/81

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: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 594.448+/-48.554 χ^2/NDF: 1728.2/46

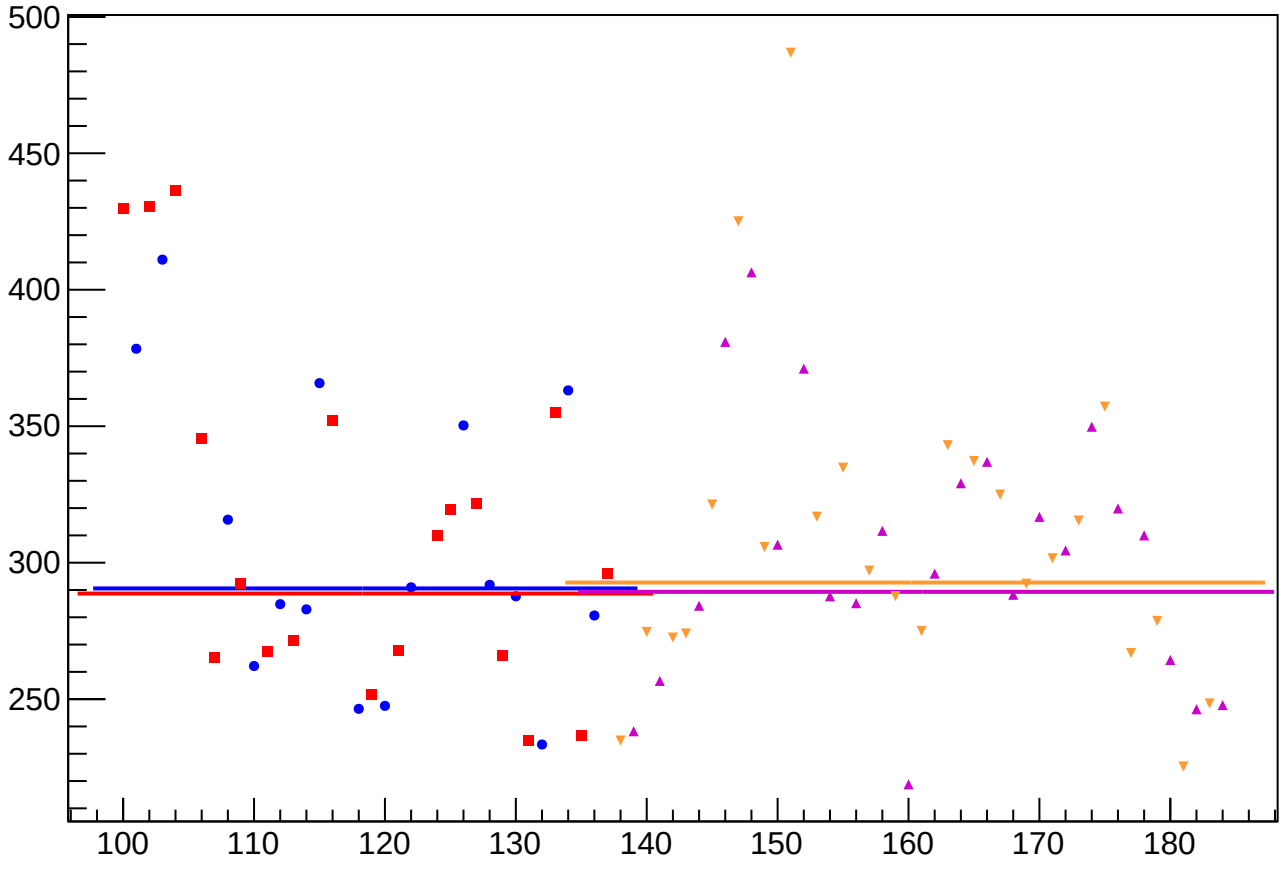
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 83.236+/-58.546 χ^2/NDF:903.1/38

Out: 296.013+/-57.796 χ^2/NDF:1562.6/42

All: 190.996+/-41.131 χ^2/NDF: 2472.4/81

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: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 291.039+/-0.034 χ^2/NDF: 1755085.3/46

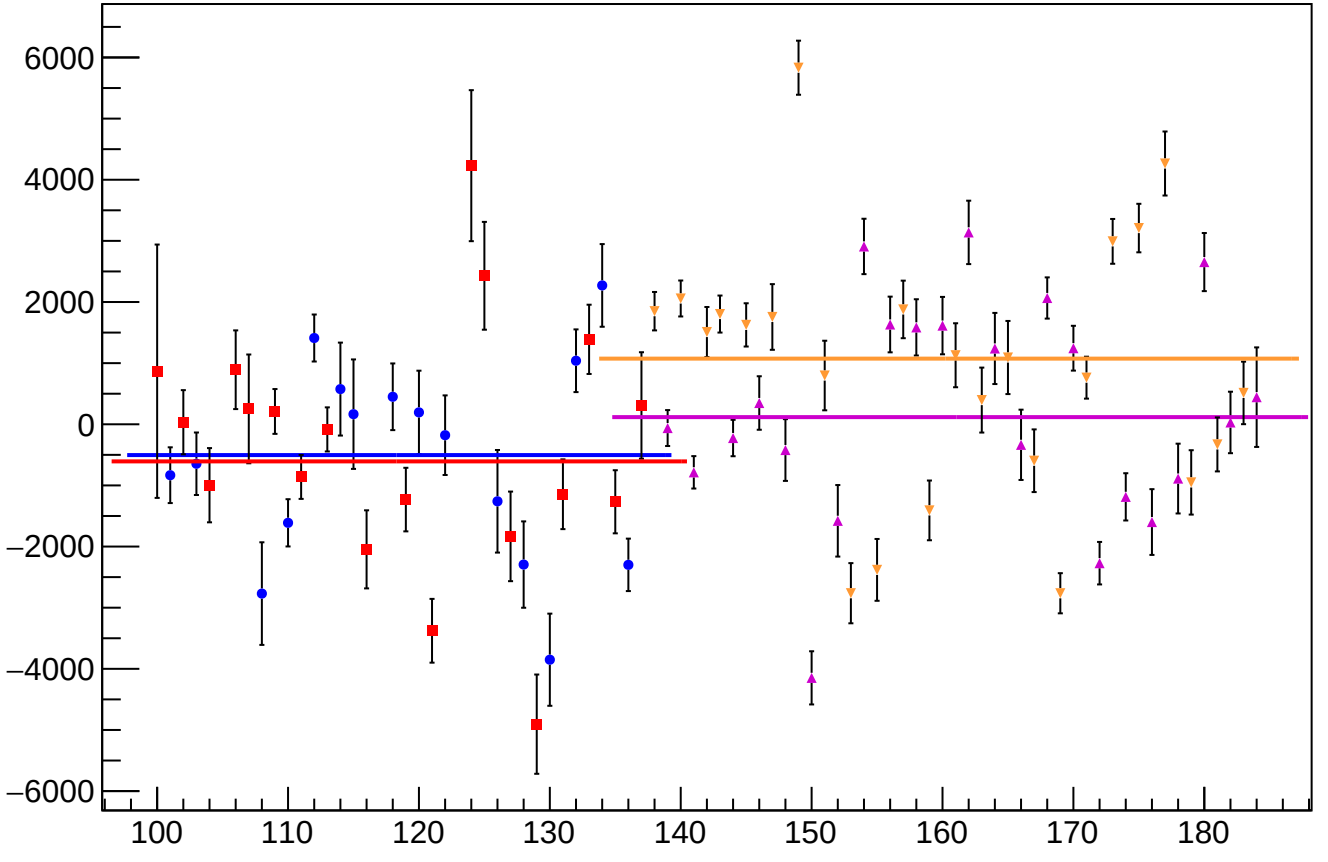
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 289.669+/-0.041 χ^2/NDF:1168594.8/38

Out: 291.575+/-0.041 χ^2/NDF:1435107.2/42

All: 290.634+/-0.029 χ^2/NDF: 2604774.7/81

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: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 606.001+/-61.170 χ^2/NDF: 981.2/46

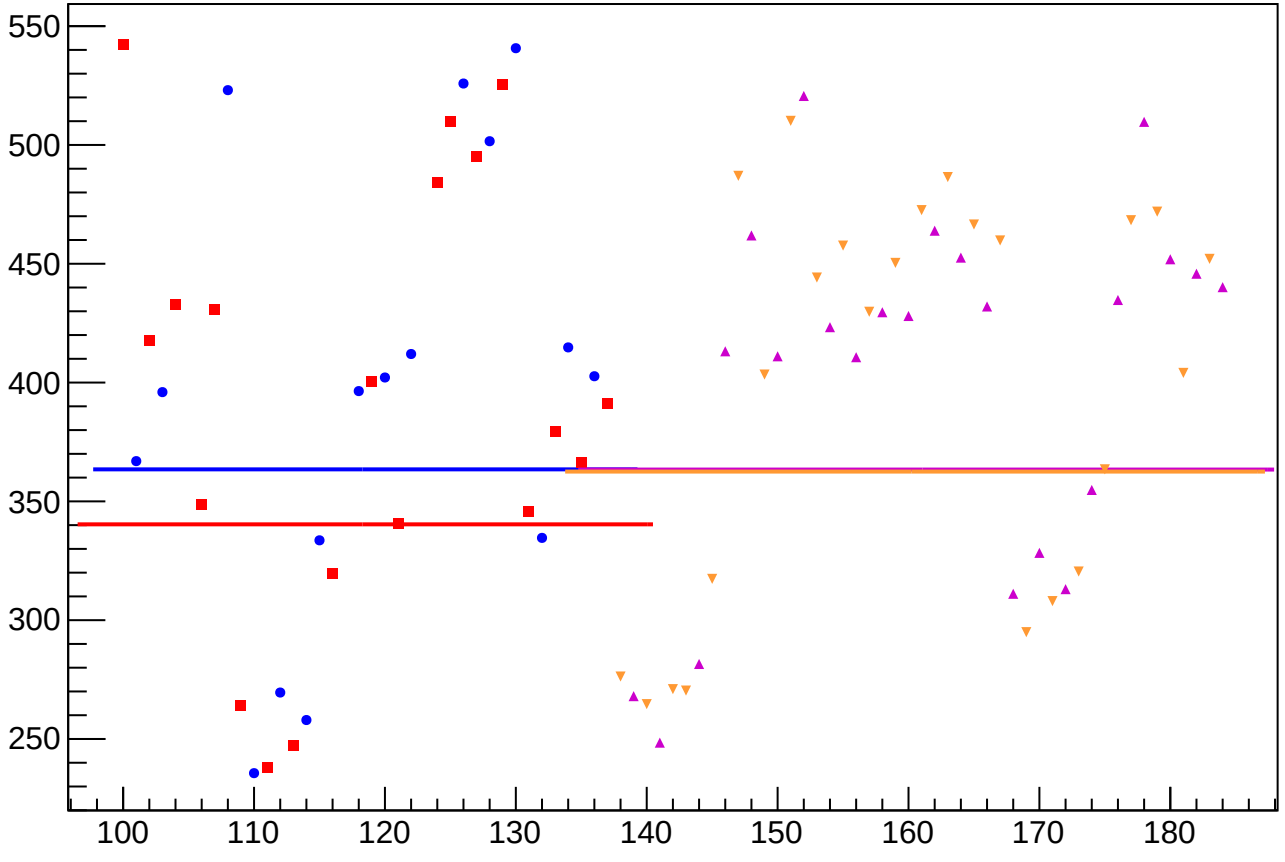
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -56.980+/-74.185 χ^2/NDF:502.8/38

Out: 563.648+/-71.419 χ^2/NDF:791.9/42

All: 265.118+/-51.451 χ^2/NDF: 1331.0/81

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: 363.386+/-0.062 χ^2/NDF:1711599.2/22

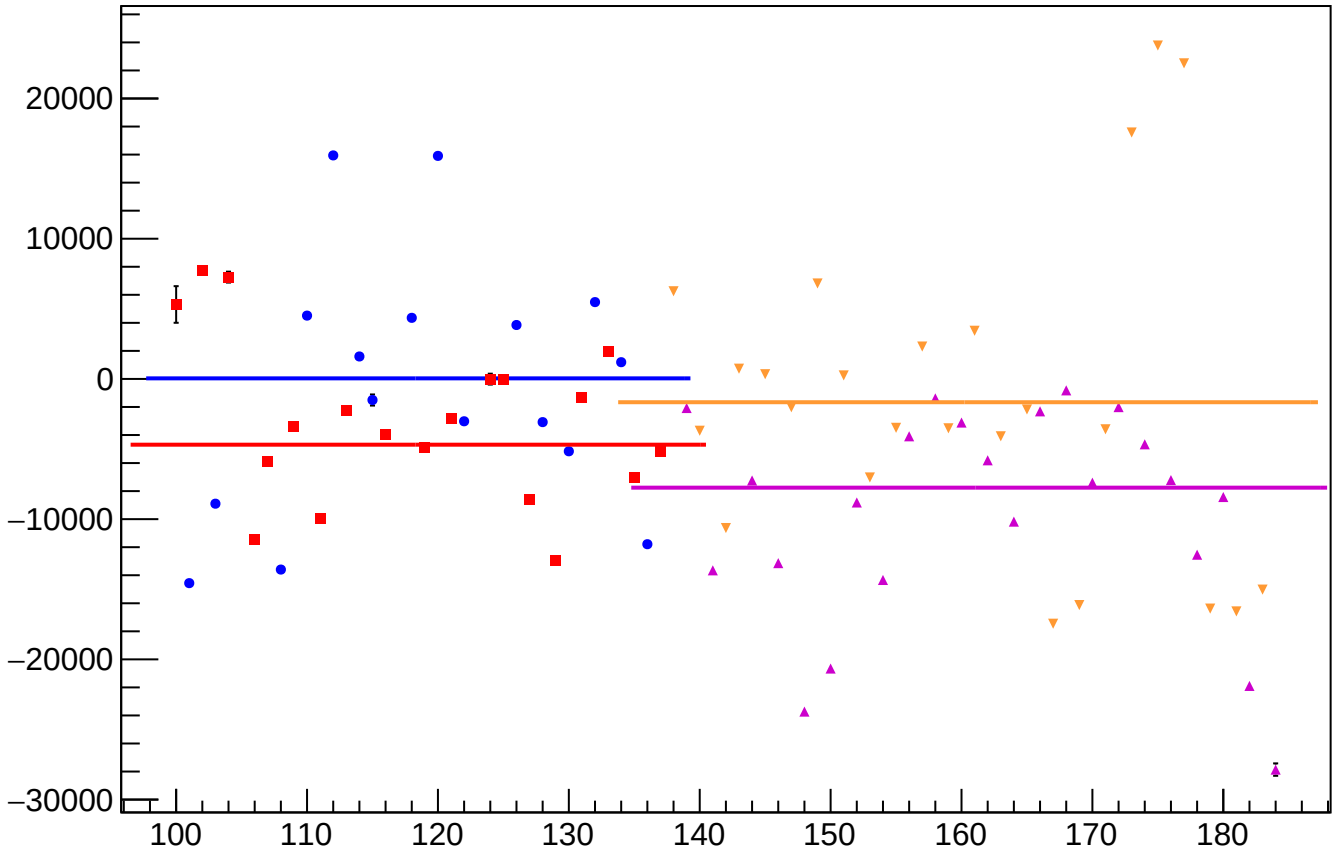
Left: 362.954+/-0.043 χ^2/NDF: 3630346.4/46

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 363.410+/-0.052 χ^2/NDF:2492492.8/38

Out: 355.797+/-0.051 χ^2/NDF:2815769.8/42

All: 359.459+/-0.036 χ^2/NDF: 5319195.4/81



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: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4598.228+/-29.558 χ^2/NDF: 98360.6/46

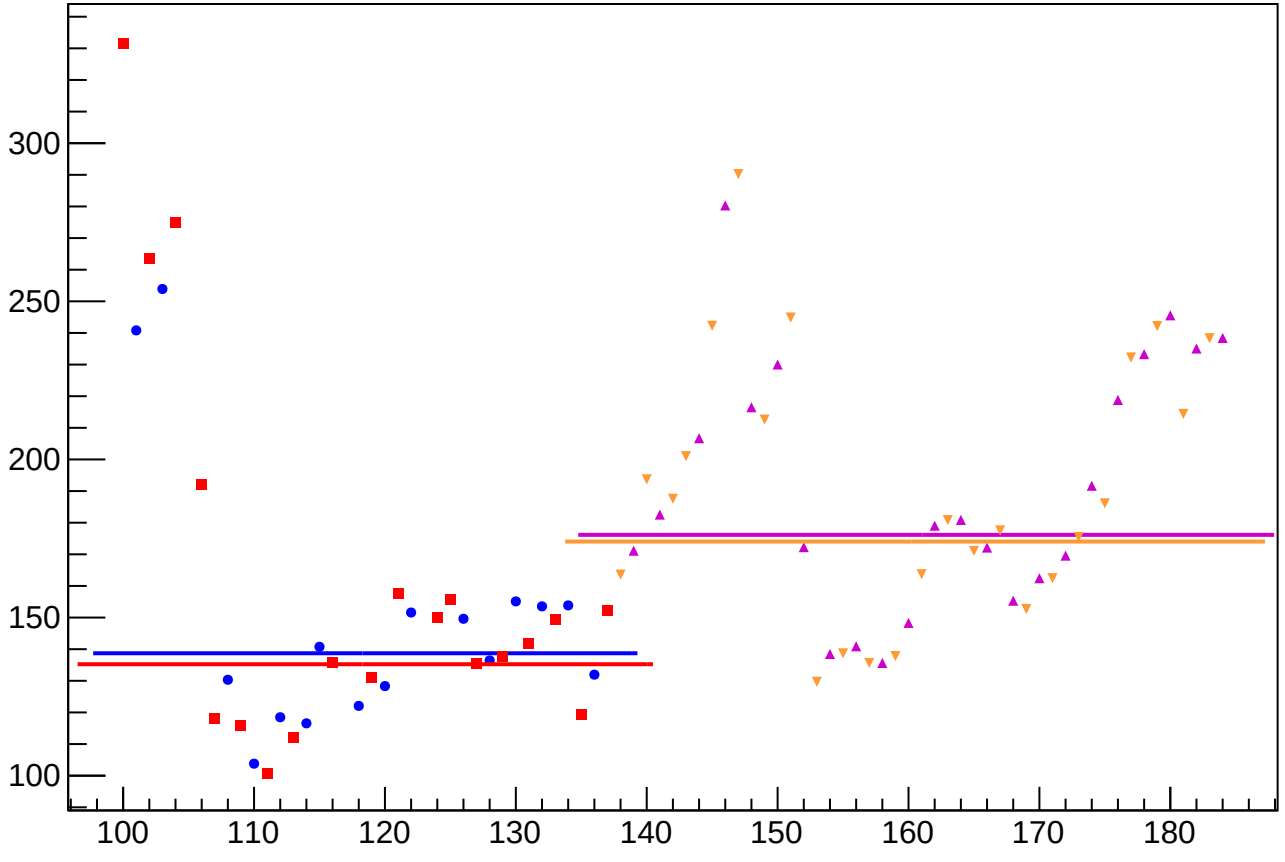
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4780.115+/-33.479 χ^2/NDF:66858.1/38

Out: -2821.624+/-32.253 χ^2/NDF:74350.3/42

All: -3764.366+/-23.227 χ^2/NDF: 142983.4/8

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: 176.155+/-0.030 χ^2/NDF:1367059.2/22

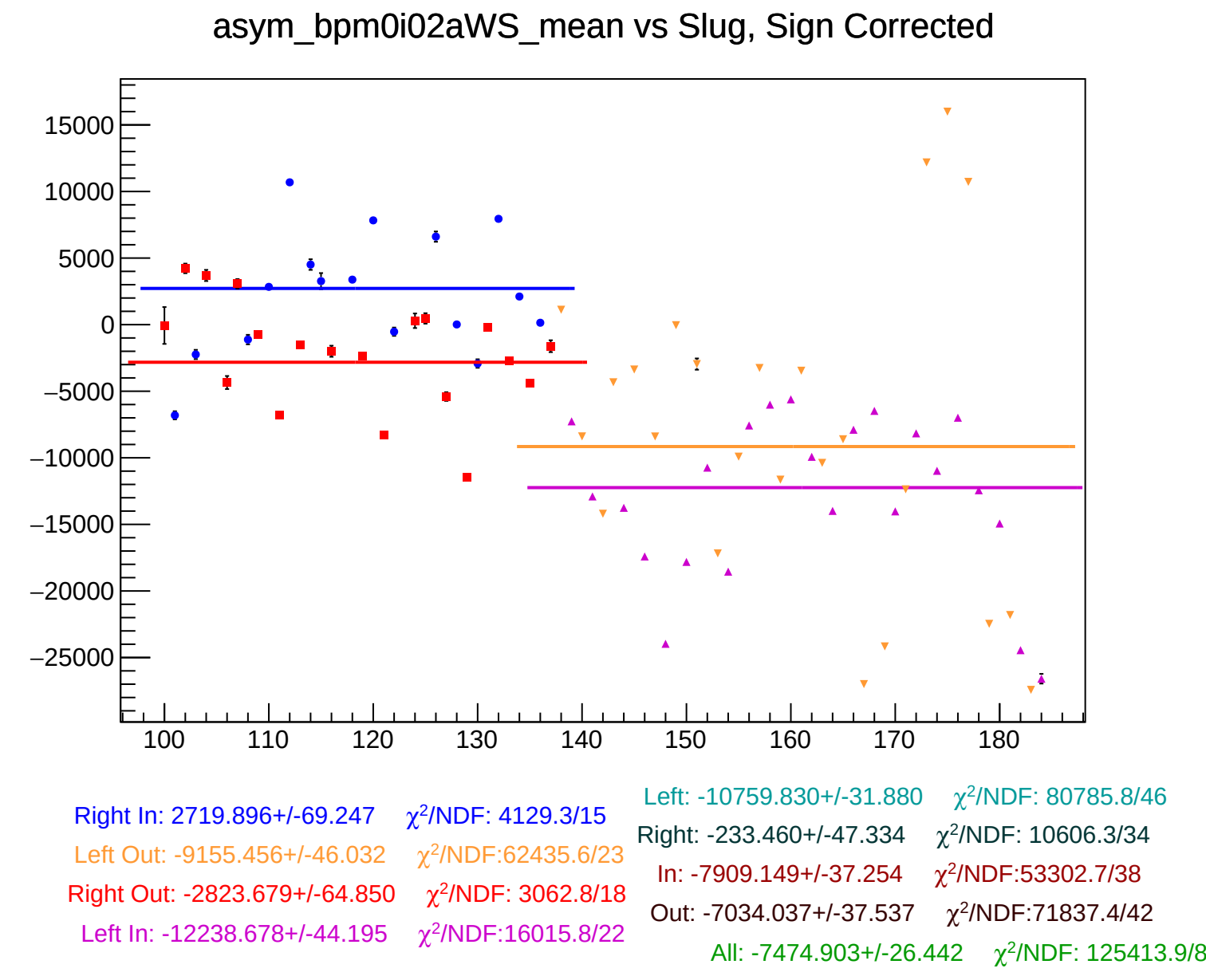
Left: 175.061+/-0.021 χ^2/NDF: 2994420.4/46

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

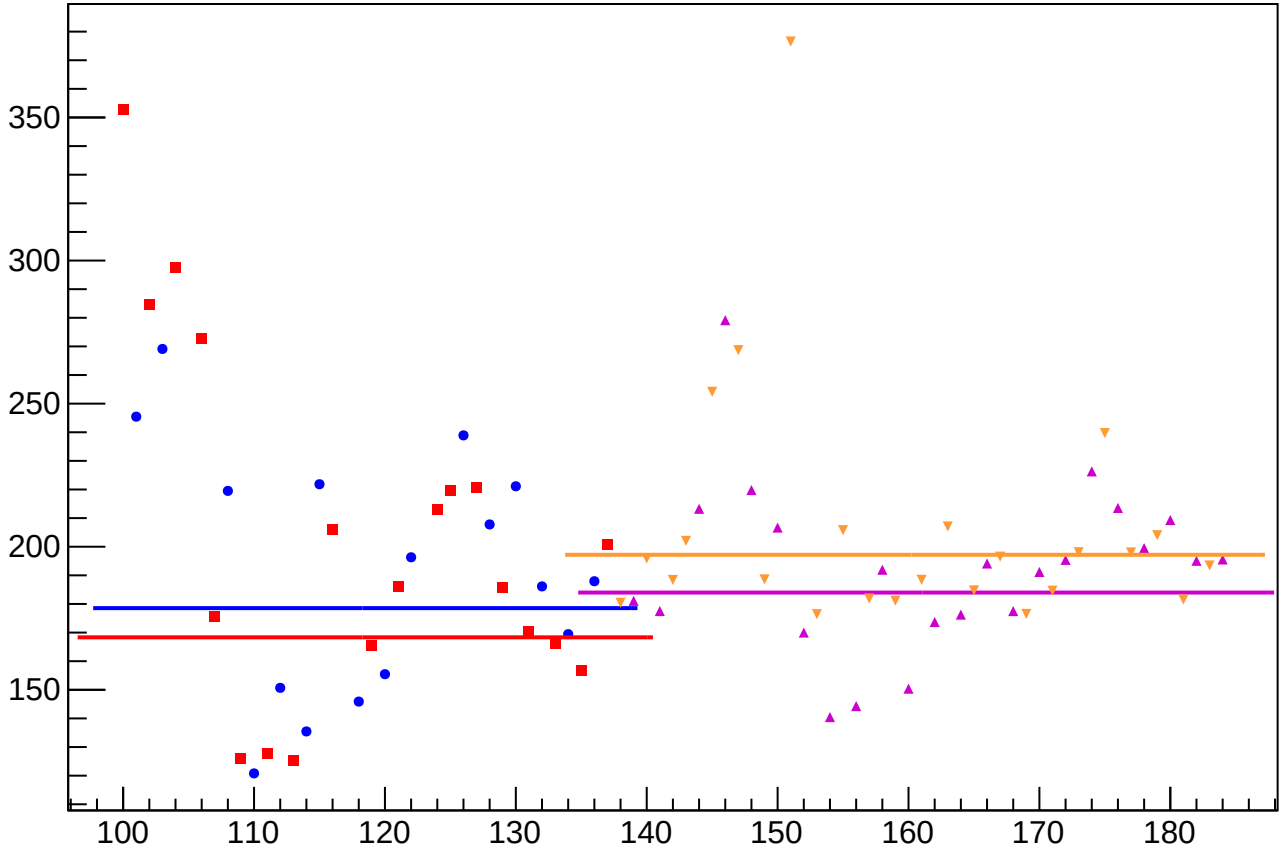
In: 161.868+/-0.024 χ^2/NDF:2615168.9/38

Out: 159.171+/-0.023 χ^2/NDF:3198914.4/42

All: 160.469+/-0.016 χ^2/NDF: 5820815.4/81


asym_bpm0i02aWS_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: 2719.896+/-69.247 χ²/NDF: 4129.3/15
Left Out: -9155.456+/-46.032 χ²/NDF:62435.6/23
Right Out: -2823.679+/-64.850 χ²/NDF: 3062.8/18
Left In: -12238.678+/-44.195 χ²/NDF:16015.8/22
Left: -10759.830+/-31.880 χ²/NDF: 80785.8/46
Right: -233.460+/-47.334 χ²/NDF: 10606.3/34
In: -7909.149+/-37.254 χ²/NDF:53302.7/38
Out: -7034.037+/-37.537 χ²/NDF:71837.4/42
All: -7474.903+/-26.442 χ²/NDF: 125413.9/8

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: 183.985+/-0.031 χ^2/NDF:829778.1/22

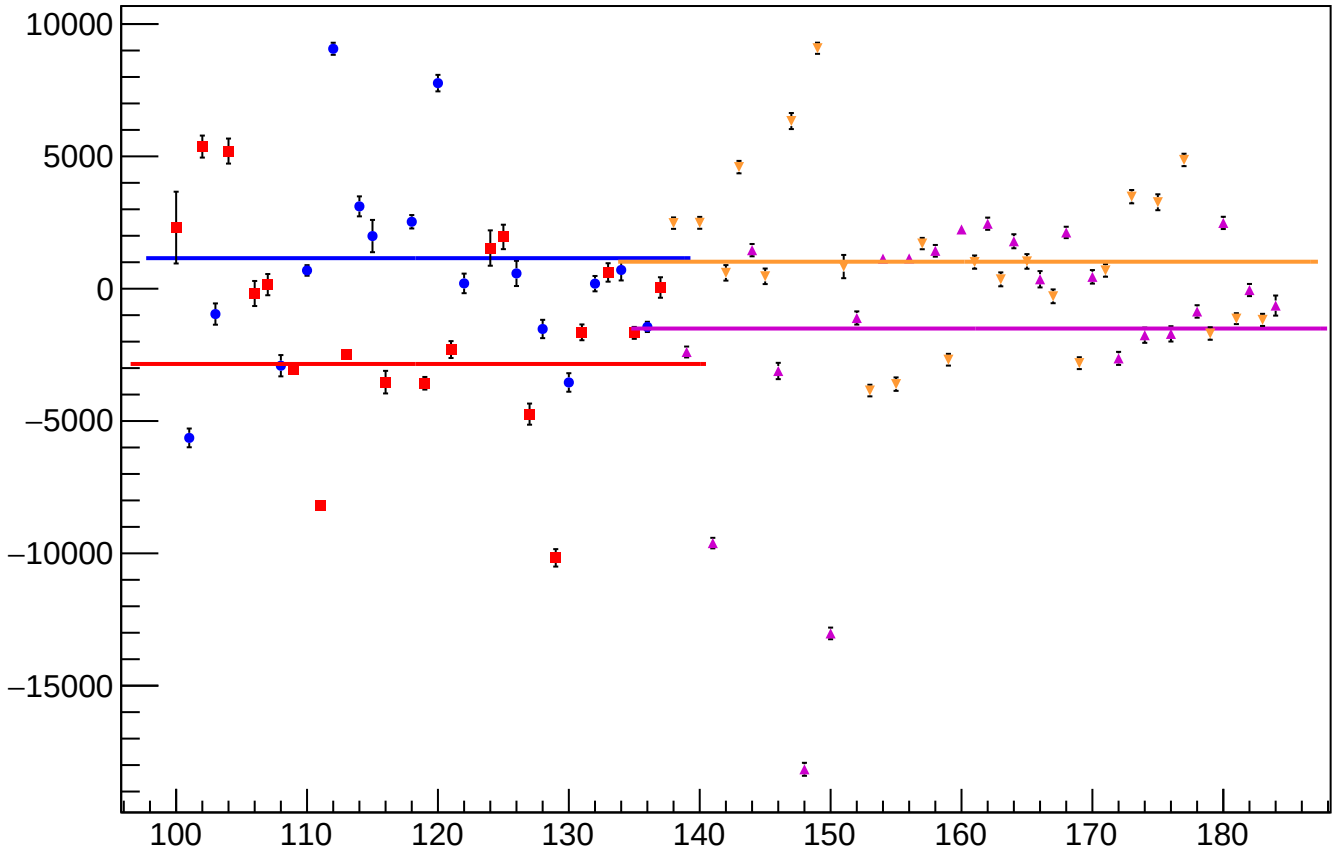
Left: 190.315+/-0.023 χ^2/NDF: 1647609.4/46

Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 182.410+/-0.026 χ^2/NDF:1513129.0/38

Out: 187.517+/-0.027 χ^2/NDF:1974944.2/42

All: 184.944+/-0.019 χ^2/NDF: 3506727.5/81



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: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -292.704+/-34.645 χ^2/NDF: 17085.2/46

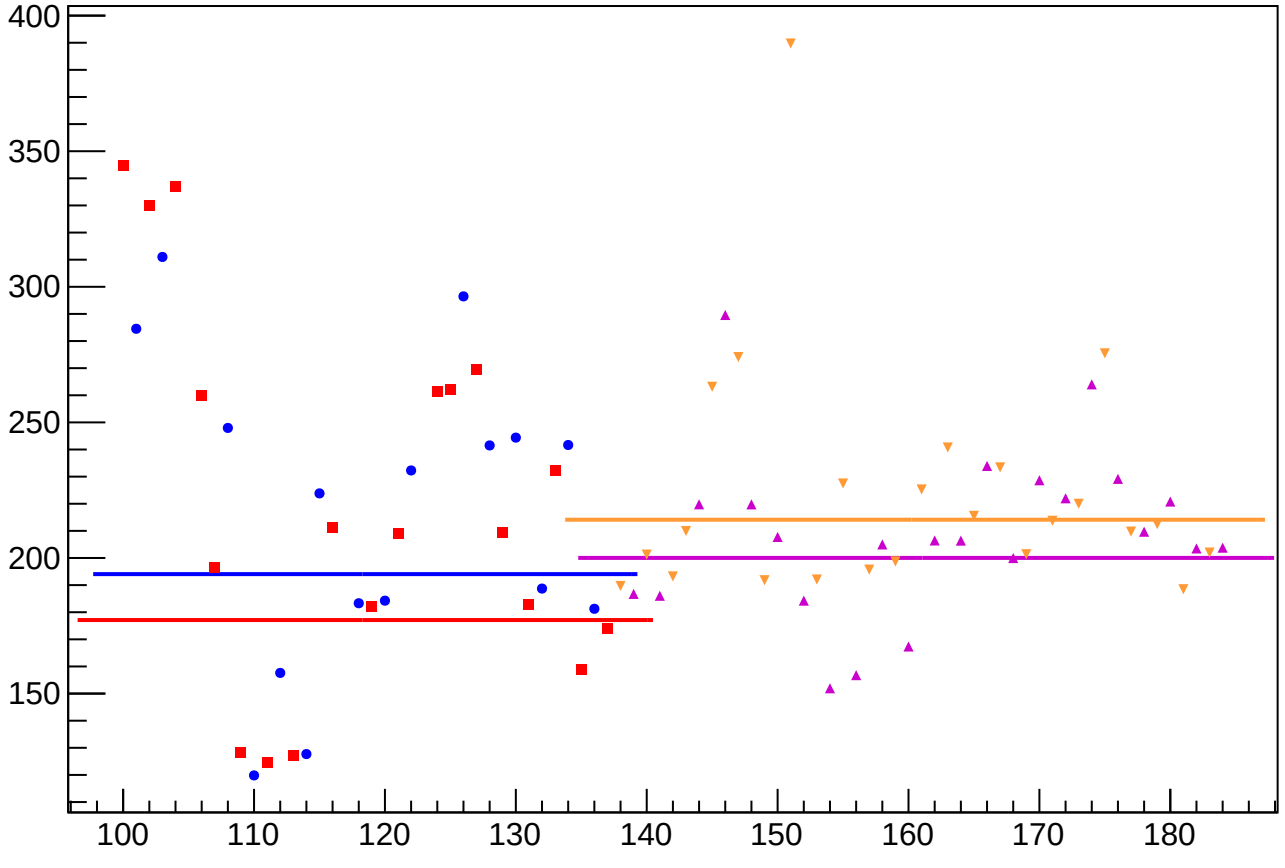
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -745.144+/-40.608 χ^2/NDF:15011.1/38

Out: -306.819+/-40.514 χ^2/NDF:8782.5/42

All: -525.477+/-28.681 χ^2/NDF: 23852.0/81

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: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.794+/-0.024 χ^2/NDF: 1599914.1/46

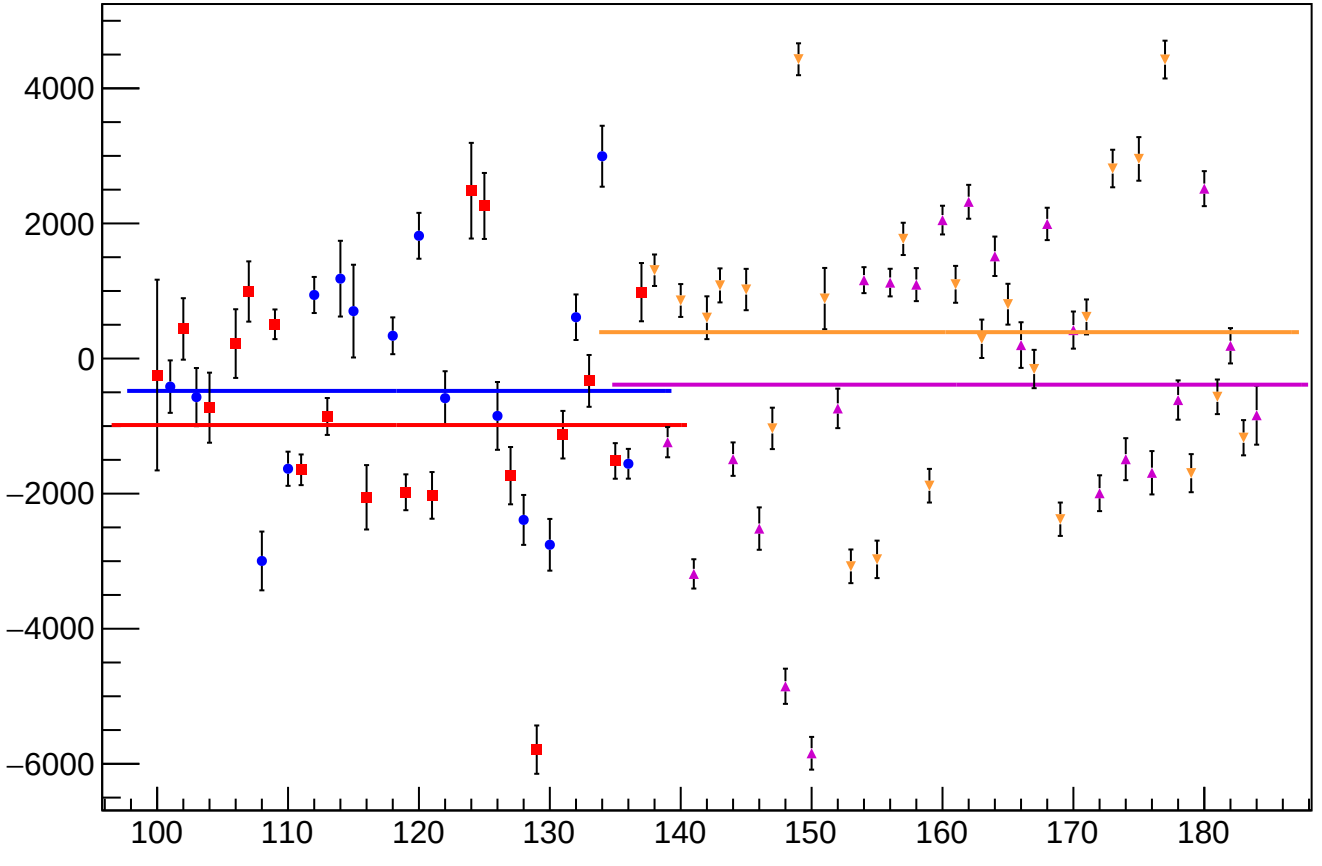
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 198.322+/-0.029 χ^2/NDF:1760158.0/38

Out: 201.412+/-0.029 χ^2/NDF:2467350.9/42

All: 199.871+/-0.020 χ^2/NDF: 4233311.5/81

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: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -11.349+/-38.485 χ^2/NDF: 3300.7/46

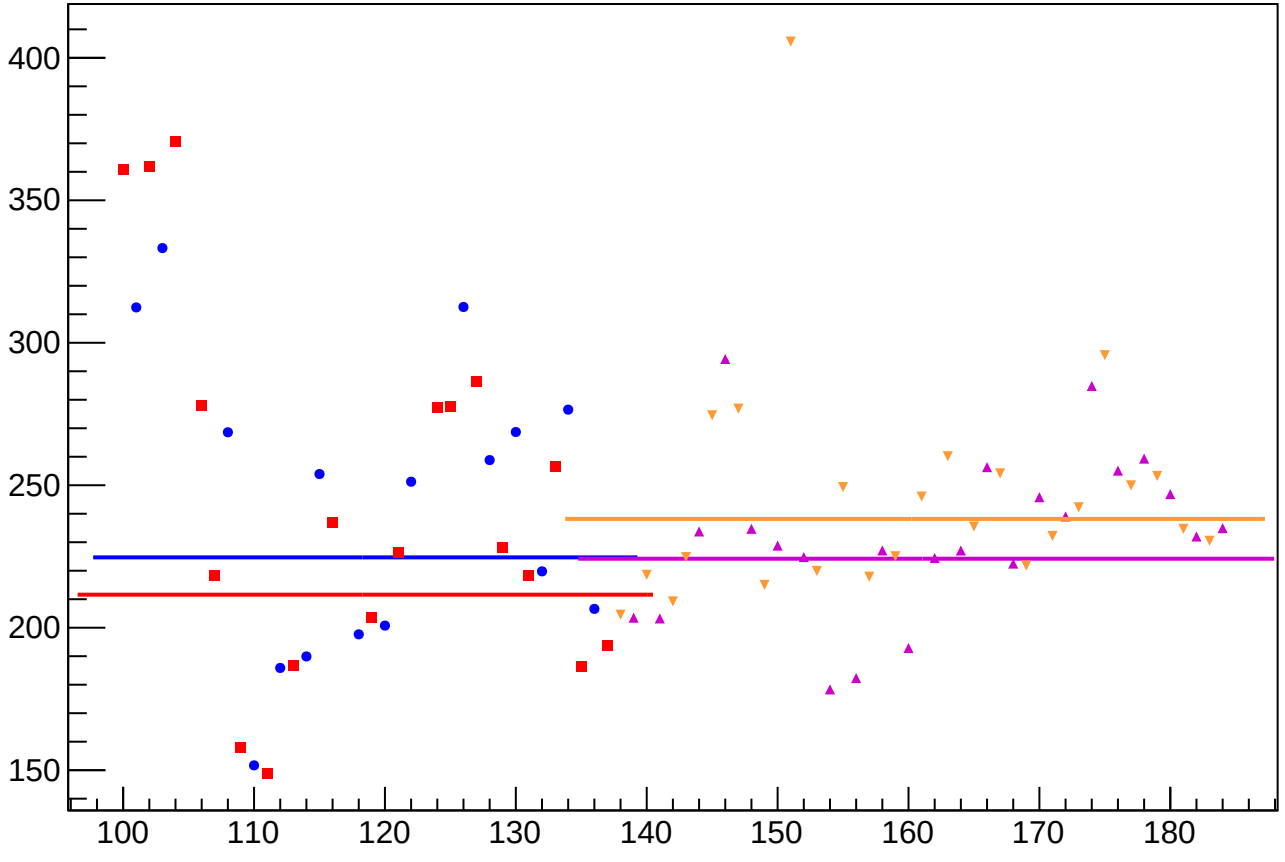
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -412.437+/-45.545 χ^2/NDF:2110.4/38

Out: -47.773+/-45.701 χ^2/NDF:1989.3/42

All: -230.731+/-32.260 χ^2/NDF: 4131.7/81

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: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 230.960+/-0.027 χ^2/NDF: 1196949.5/46

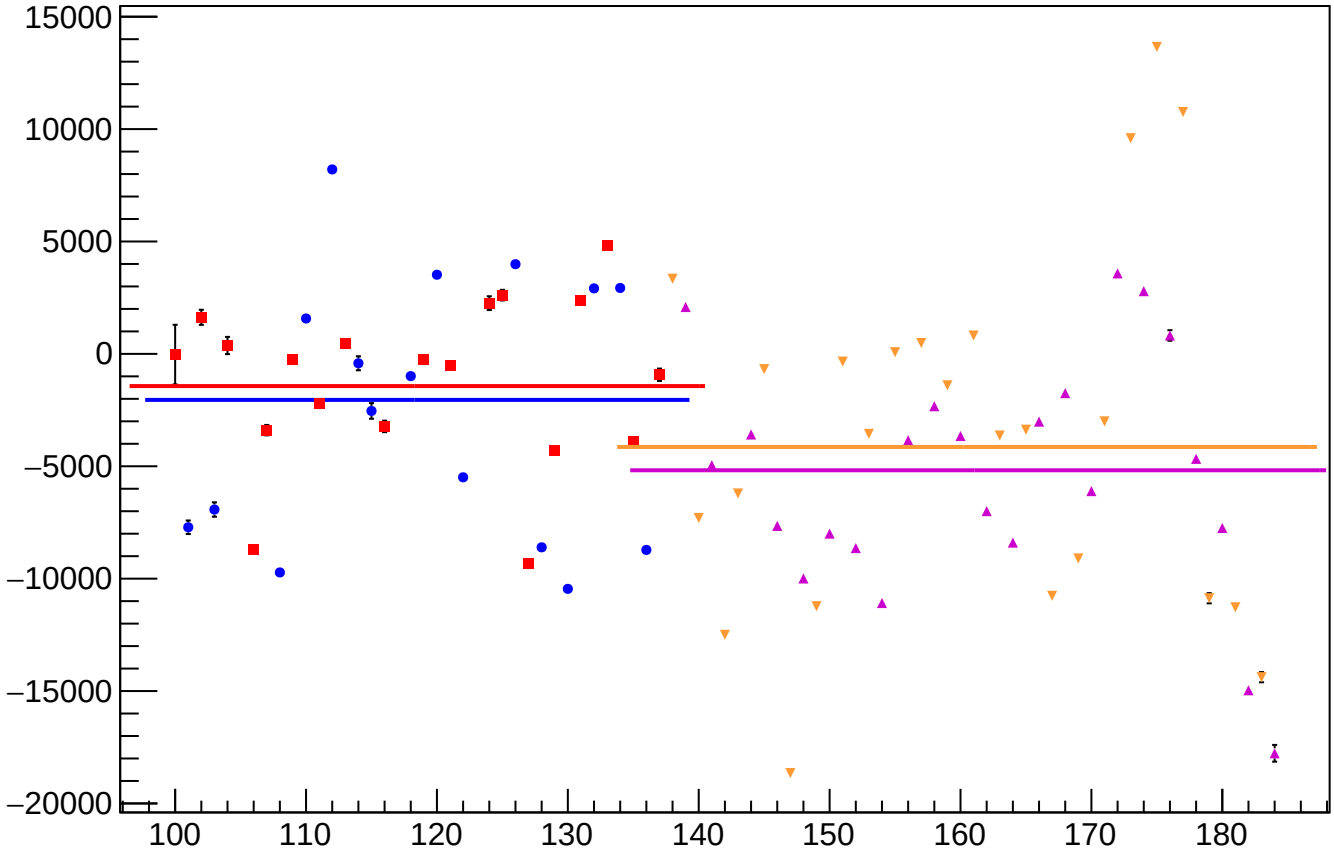
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 224.342+/-0.032 χ^2/NDF:1216467.2/38

Out: 229.706+/-0.032 χ^2/NDF:1647798.7/42

All: 227.015+/-0.023 χ^2/NDF: 2878090.8/81

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: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4642.420+/-22.227 χ^2/NDF: 75074.2/46

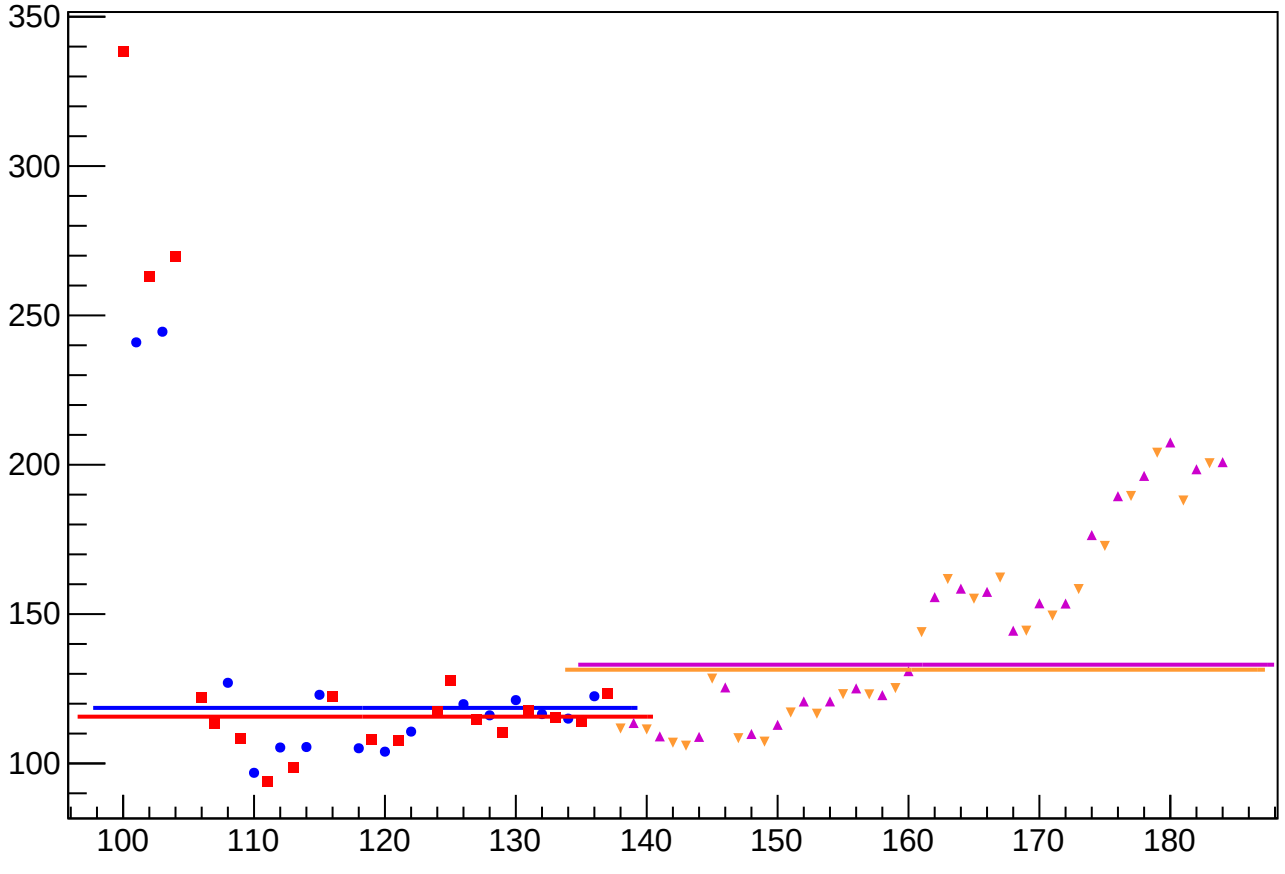
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4179.781+/-26.384 χ^2/NDF:38309.0/38

Out: -3265.228+/-25.437 χ^2/NDF:64857.3/42

All: -3705.796+/-18.312 χ^2/NDF: 103789.0/8

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: 133.061+/-0.023 χ^2/NDF:1418252.2/22

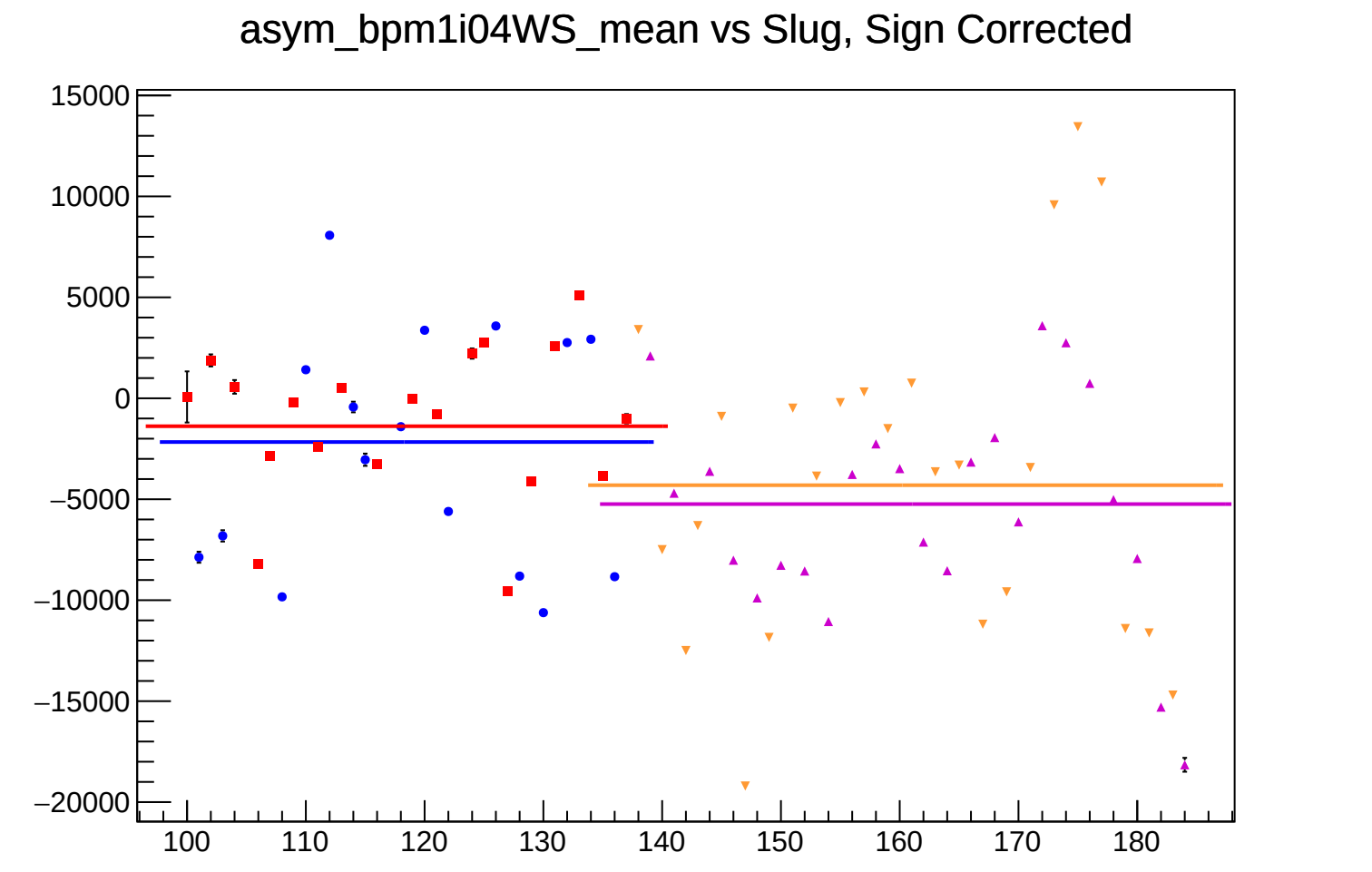
Left: 132.192+/-0.016 χ^2/NDF: 2906360.6/46

Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

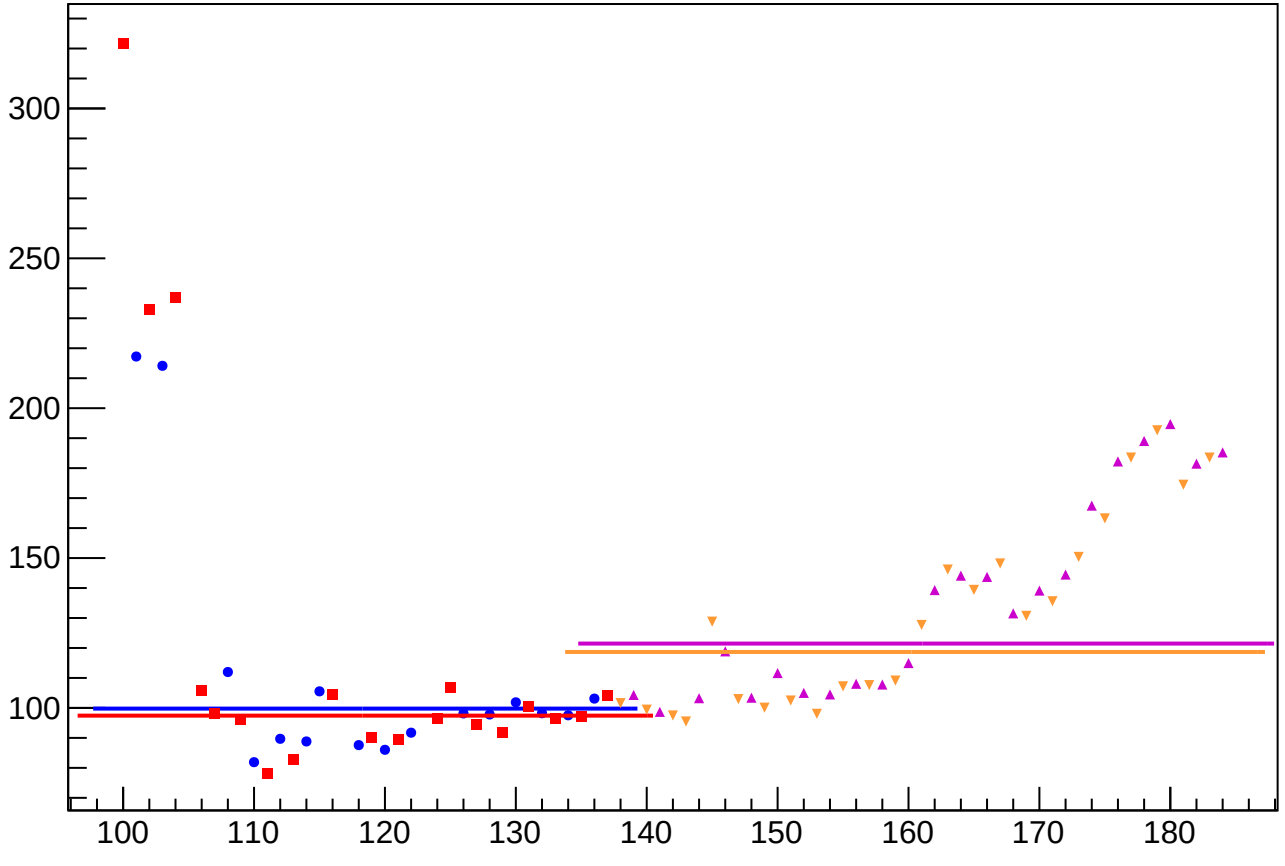
In: 128.448+/-0.019 χ^2/NDF:2282988.8/38

Out: 126.295+/-0.018 χ^2/NDF:2516569.5/42

All: 127.332+/-0.013 χ^2/NDF: 4806463.8/81


asym_bpm1i04WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -2165.877+/-39.632 χ²/NDF: 22874.8/15
Left Out: -4304.260+/-28.040 χ²/NDF:66225.5/23
Right Out: -1383.103+/-37.976 χ²/NDF: 9148.6/18
Left In: -5239.784+/-29.252 χ²/NDF:22273.2/22
Left: -4752.240+/-20.242 χ²/NDF: 89031.7/46
Right: -1757.793+/-27.420 χ²/NDF: 32226.8/34
In: -4155.763+/-23.535 χ²/NDF:49042.3/38
Out: -3273.612+/-22.557 χ²/NDF:79203.4/42
All: -3695.976+/-16.285 χ²/NDF: 128977.9/8

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: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.013+/-0.014 χ^2/NDF: 3230296.1/46

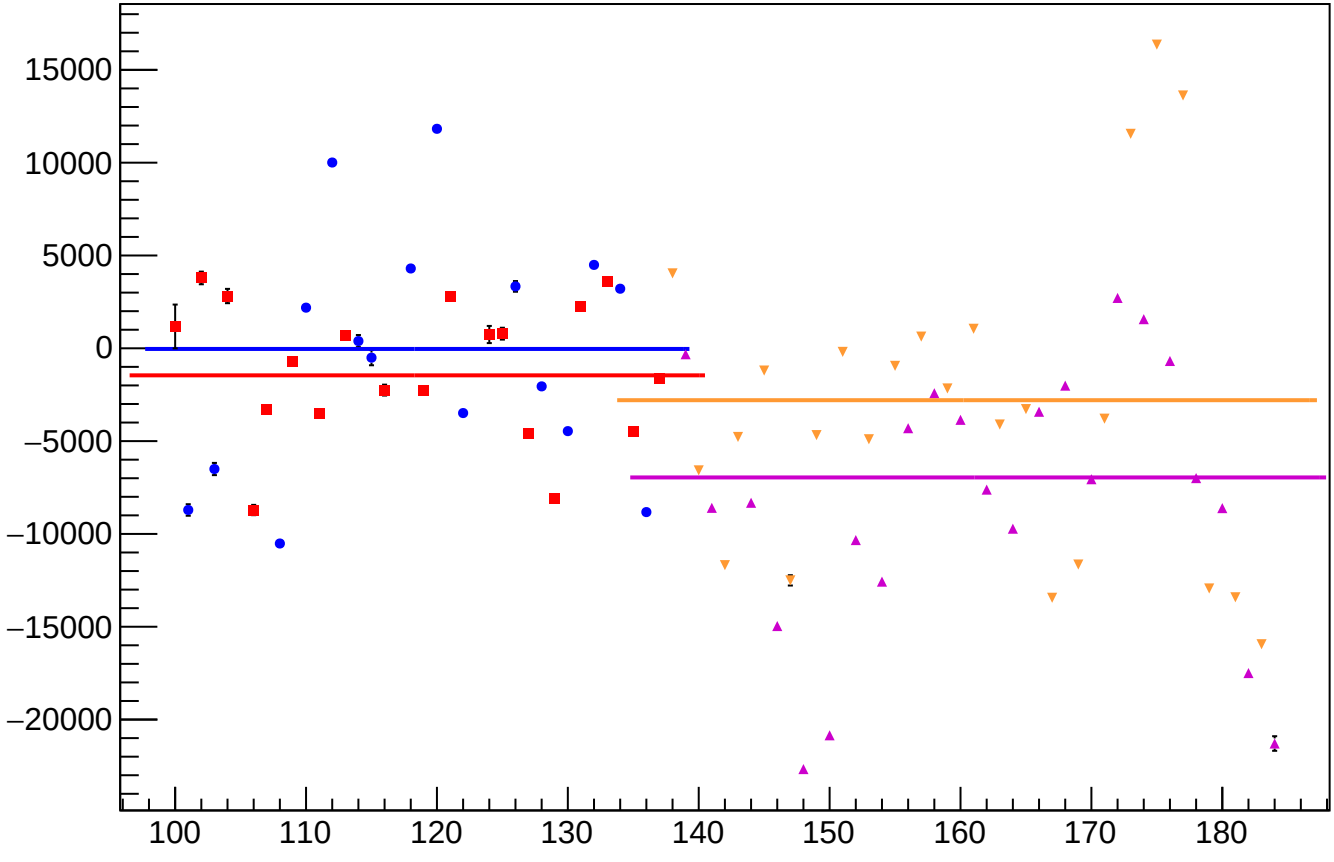
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 113.818+/-0.017 χ^2/NDF:2726442.2/38

Out: 111.179+/-0.016 χ^2/NDF:3022670.9/42

All: 112.442+/-0.012 χ^2/NDF: 5762219.1/81

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: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4776.099+/-27.764 χ^2/NDF: 64724.9/46

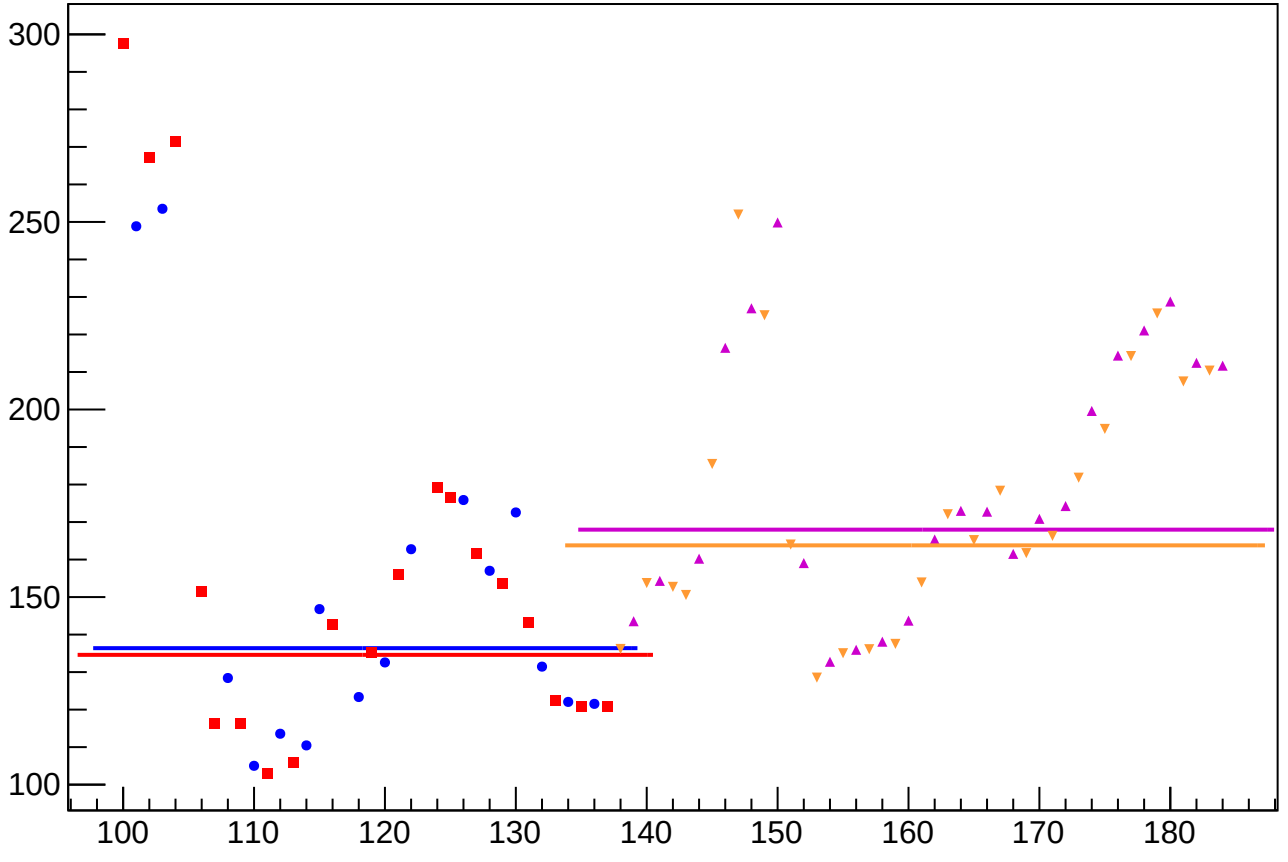
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4453.281+/-32.154 χ^2/NDF:49841.9/38

Out: -2323.266+/-30.854 χ^2/NDF:41330.1/42

All: -3344.347+/-22.262 χ^2/NDF: 93456.6/81

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: 167.975+/-0.028 χ^2/NDF:1222745.4/22

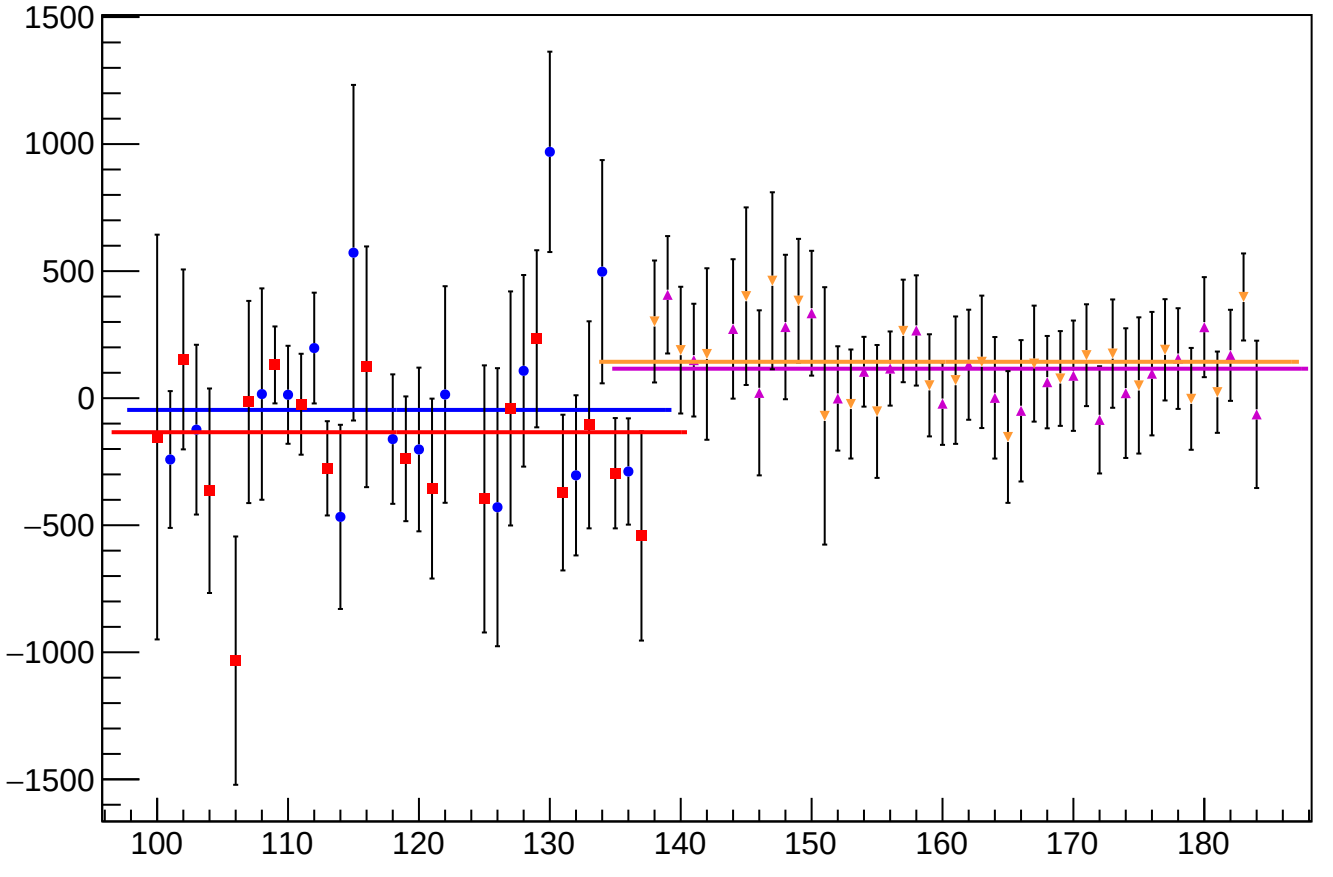
Left: 165.779+/-0.020 χ^2/NDF: 2435109.9/46

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 156.549+/-0.023 χ^2/NDF:2465332.5/38

Out: 153.488+/-0.022 χ^2/NDF:2529261.8/42

All: 154.956+/-0.016 χ^2/NDF: 5004028.4/81



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: 115.974+/-43.605 χ^2/NDF:7.6/22

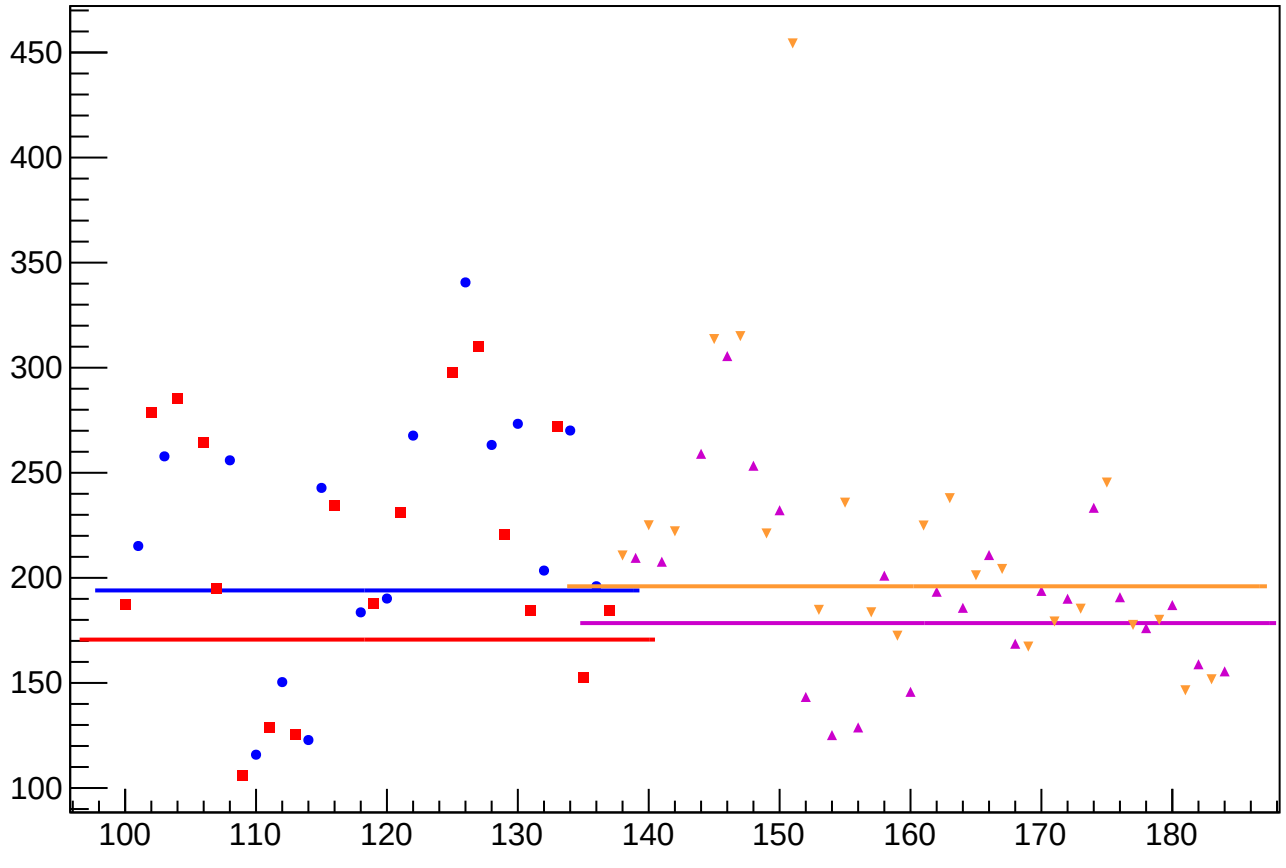
Left: 128.426+/-32.133 χ^2/NDF: 17.6/45

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 76.035+/-37.856 χ^2/NDF:26.5/38

Out: 52.995+/-39.036 χ^2/NDF:33.7/40

All: 64.868+/-27.176 χ^2/NDF: 60.4/79



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: 178.475+/-0.031 χ^2/NDF:1676266.4/22

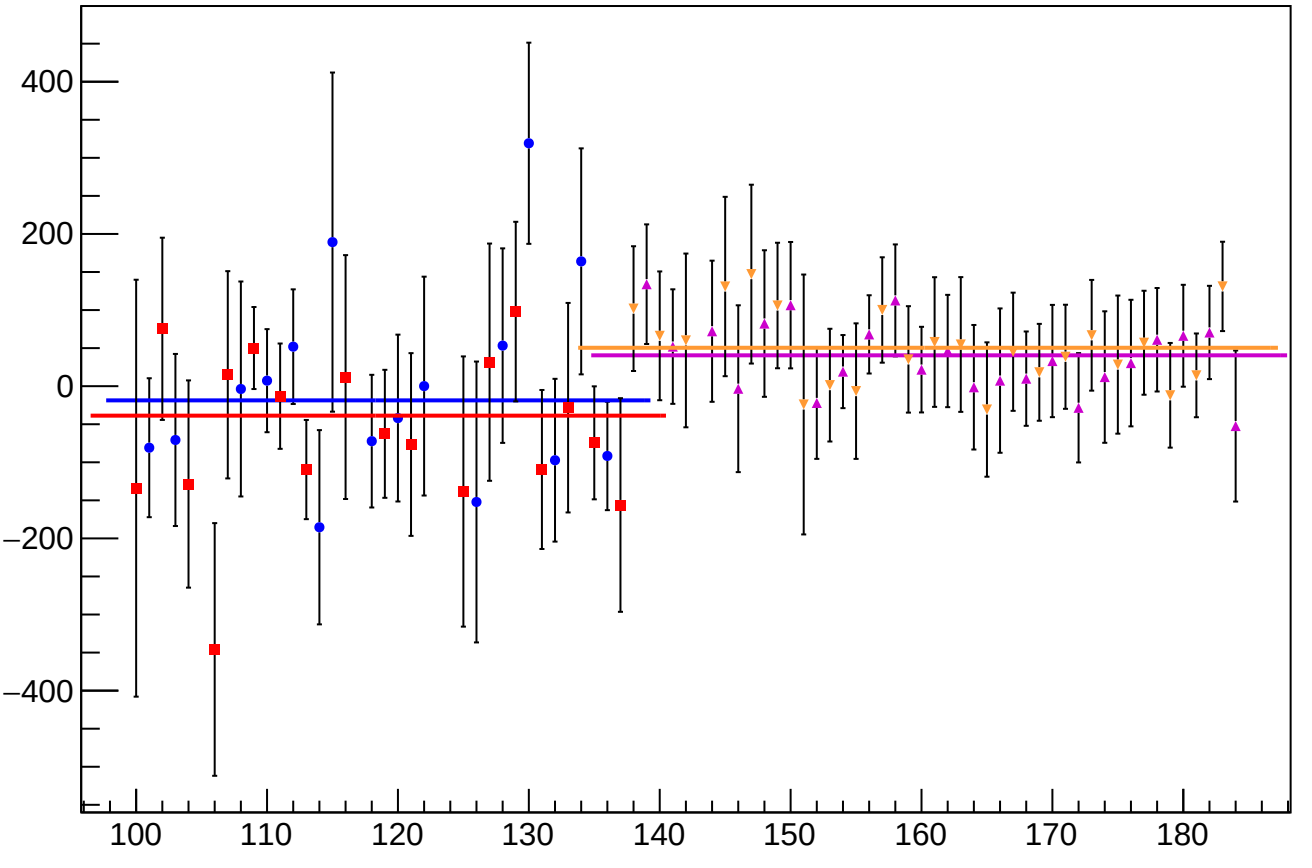
Left: 186.477+/-0.023 χ^2/NDF: 3529252.3/45

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 182.303+/-0.027 χ^2/NDF:2782426.5/38

Out: 187.728+/-0.028 χ^2/NDF:3484715.4/40

All: 184.932+/-0.019 χ^2/NDF: 6287050.6/79



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: 40.540+/-14.978 χ^2/NDF:7.9/22

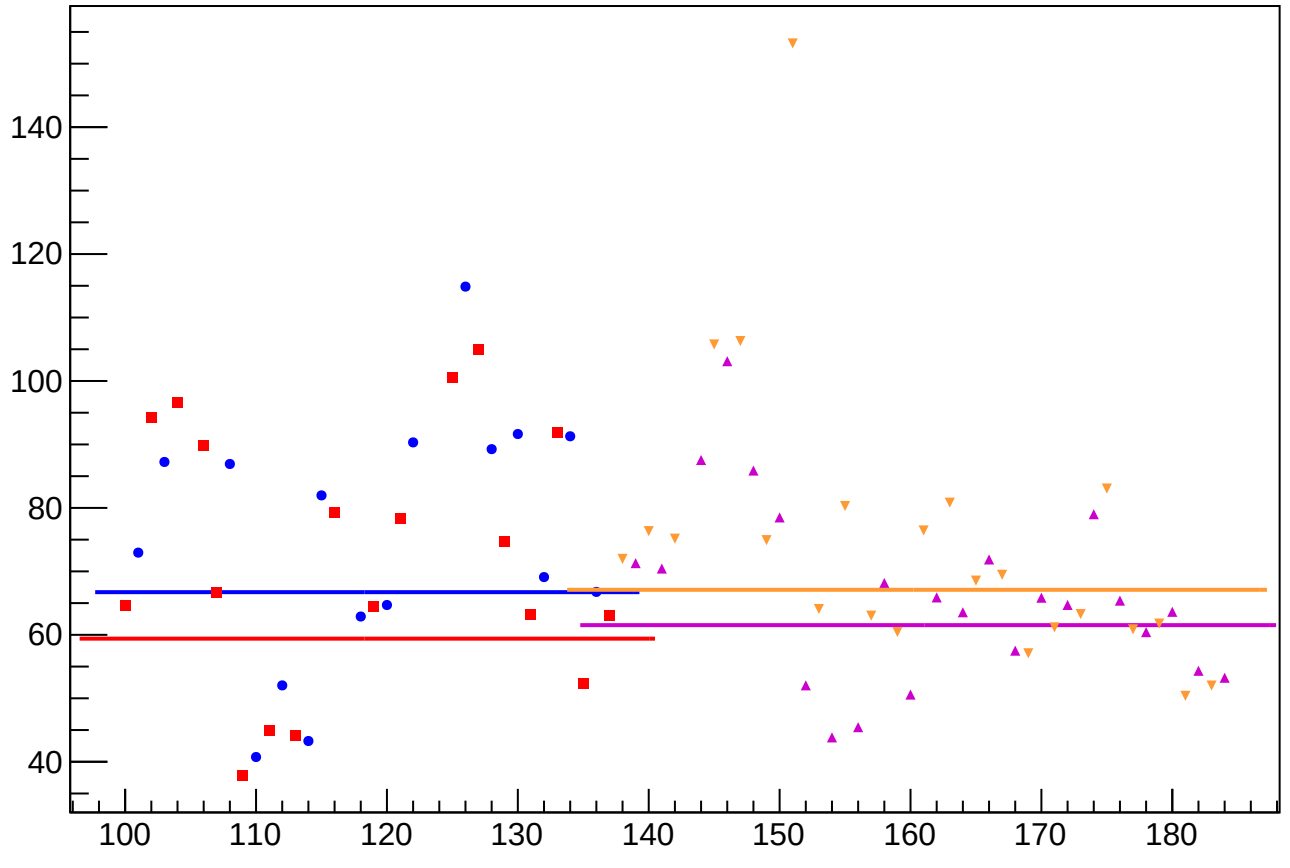
Left: 45.097+/-11.011 χ^2/NDF: 16.1/45

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 25.897+/-12.993 χ^2/NDF:26.9/38

Out: 21.878+/-13.390 χ^2/NDF:30.3/40

All: 23.948+/-9.325 χ^2/NDF: 57.3/79



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: 61.529+/-0.011 χ^2/NDF:1489848.4/22

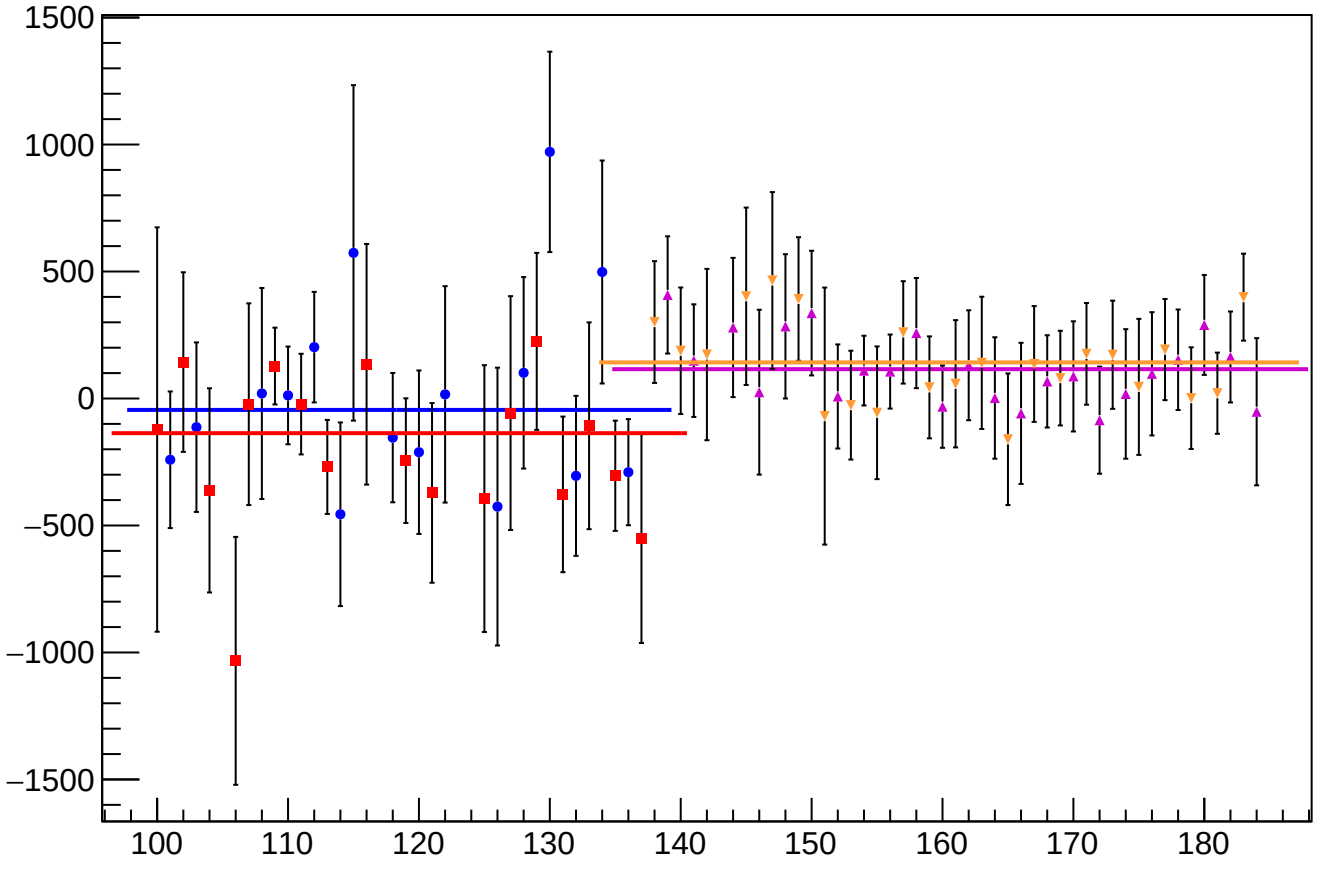
Left: 64.088+/-0.008 χ^2/NDF: 3246190.1/45

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 62.814+/-0.009 χ^2/NDF:2496428.9/38

Out: 64.632+/-0.009 χ^2/NDF:3218581.9/40

All: 63.696+/-0.007 χ^2/NDF: 5733987.2/79



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: 115.487+/-43.568 χ^2/NDF:7.8/22

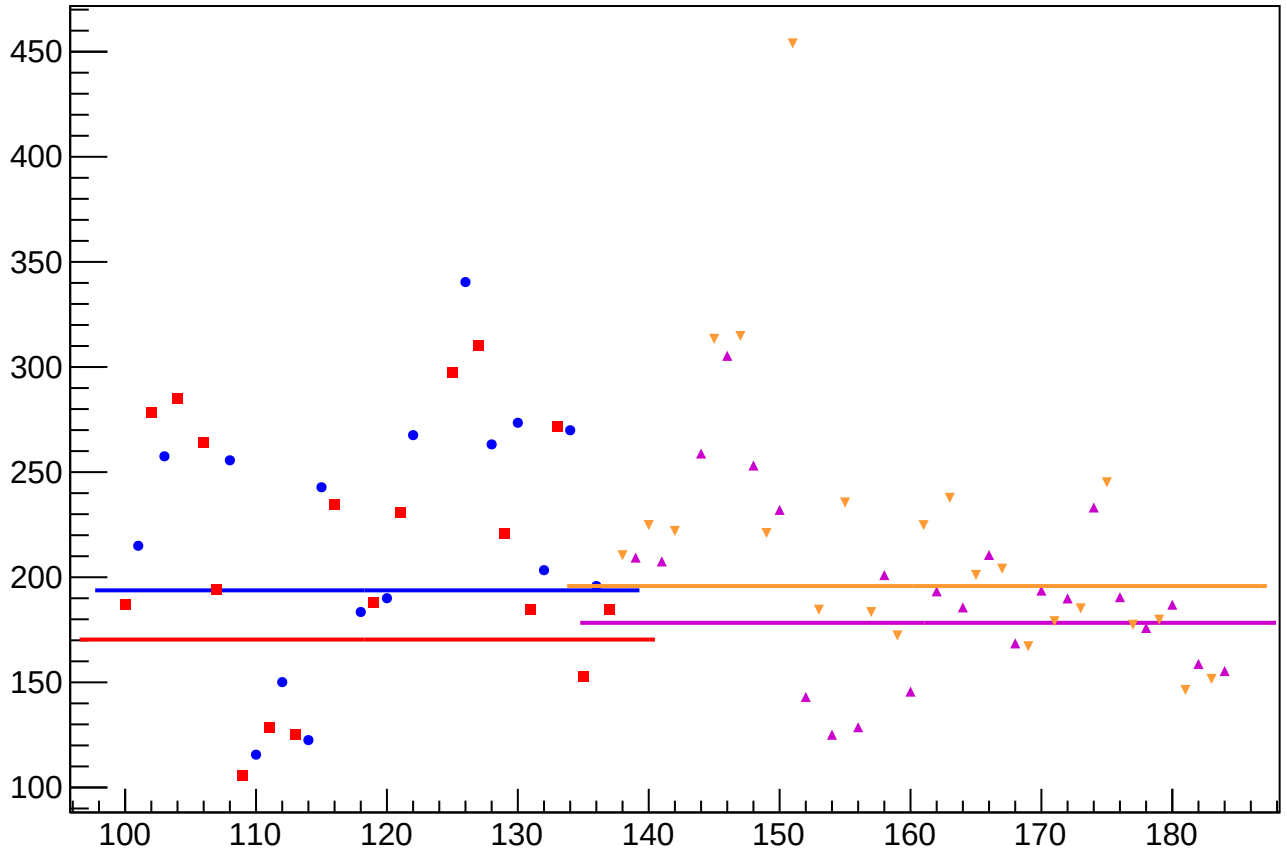
Left: 127.703+/-32.105 χ^2/NDF: 18.0/45

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 75.967+/-37.822 χ^2/NDF:26.6/38

Out: 51.392+/-38.997 χ^2/NDF:34.1/40

All: 64.055+/-27.150 χ^2/NDF: 60.9/79



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: 178.318+/-0.031 χ^2/NDF:1678336.4/22

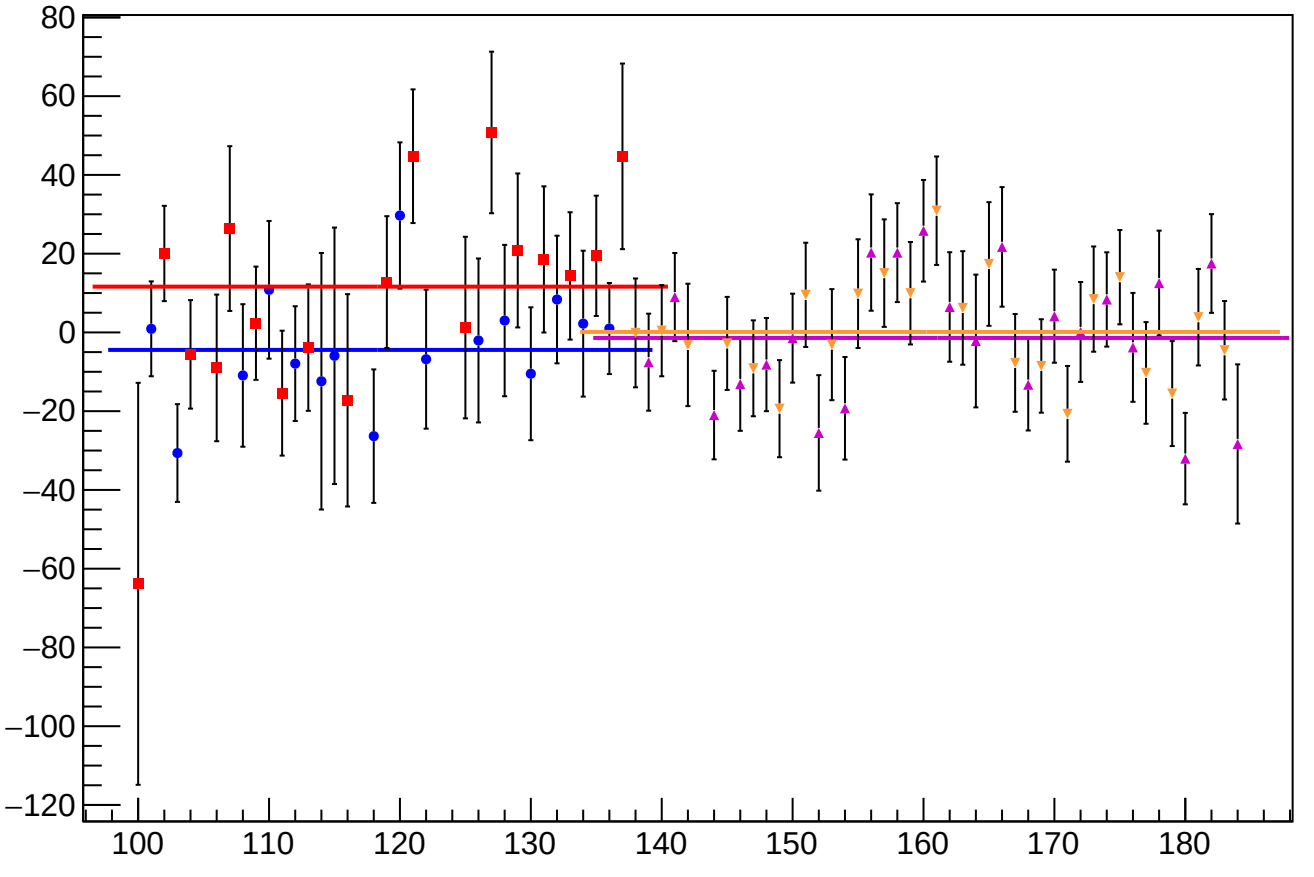
Left: 186.313+/-0.023 χ^2/NDF: 3532030.8/45

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 182.124+/-0.027 χ^2/NDF:2788396.2/38

Out: 187.521+/-0.028 χ^2/NDF:3492522.4/40

All: 184.740+/-0.019 χ^2/NDF: 6300655.6/79



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: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.653+/-1.903 χ^2/NDF: 56.7/45

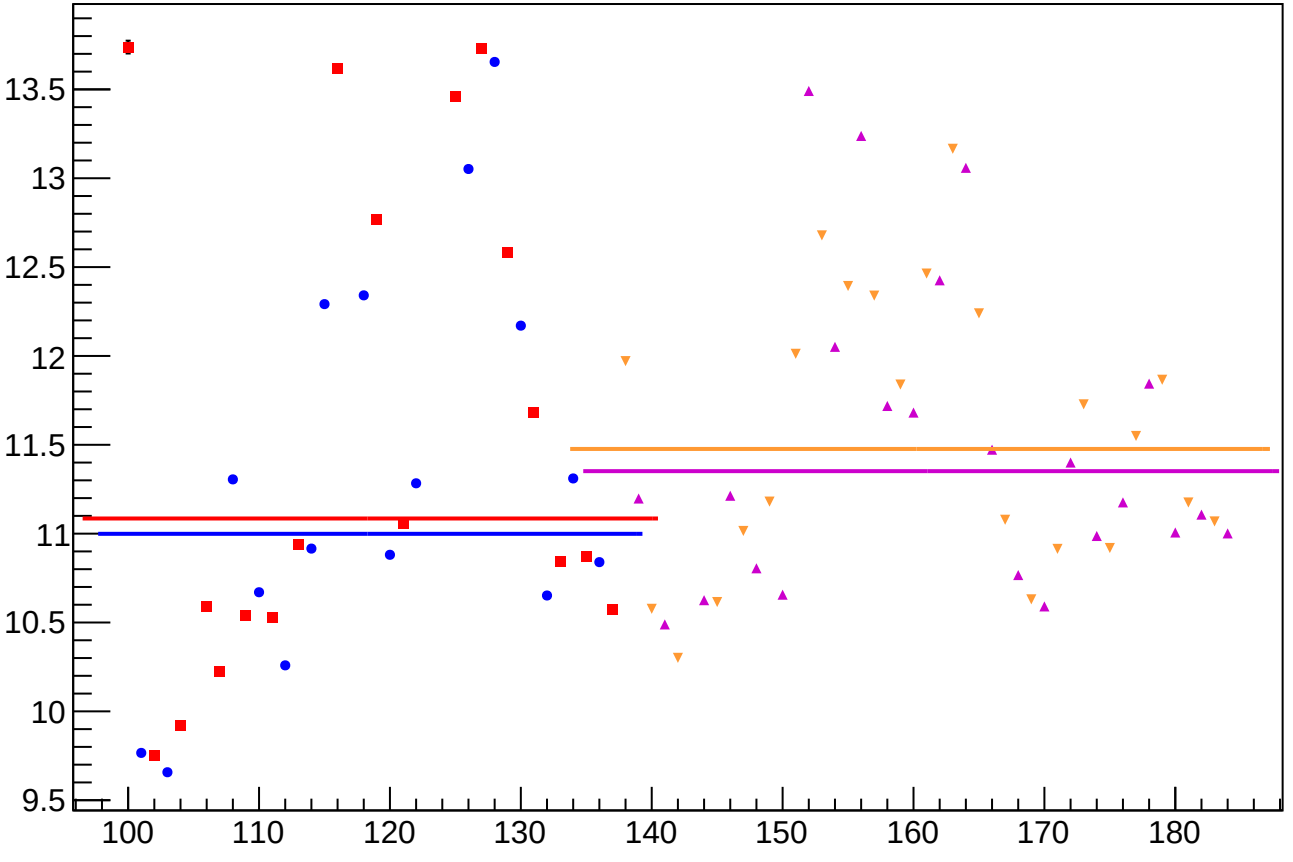
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -2.302+/-2.245 χ^2/NDF:48.7/38

Out: 3.572+/-2.266 χ^2/NDF:47.3/40

All: 0.608+/-1.595 χ^2/NDF: 99.4/79

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: 11.352+/-0.002 χ^2/NDF:170563.6/22

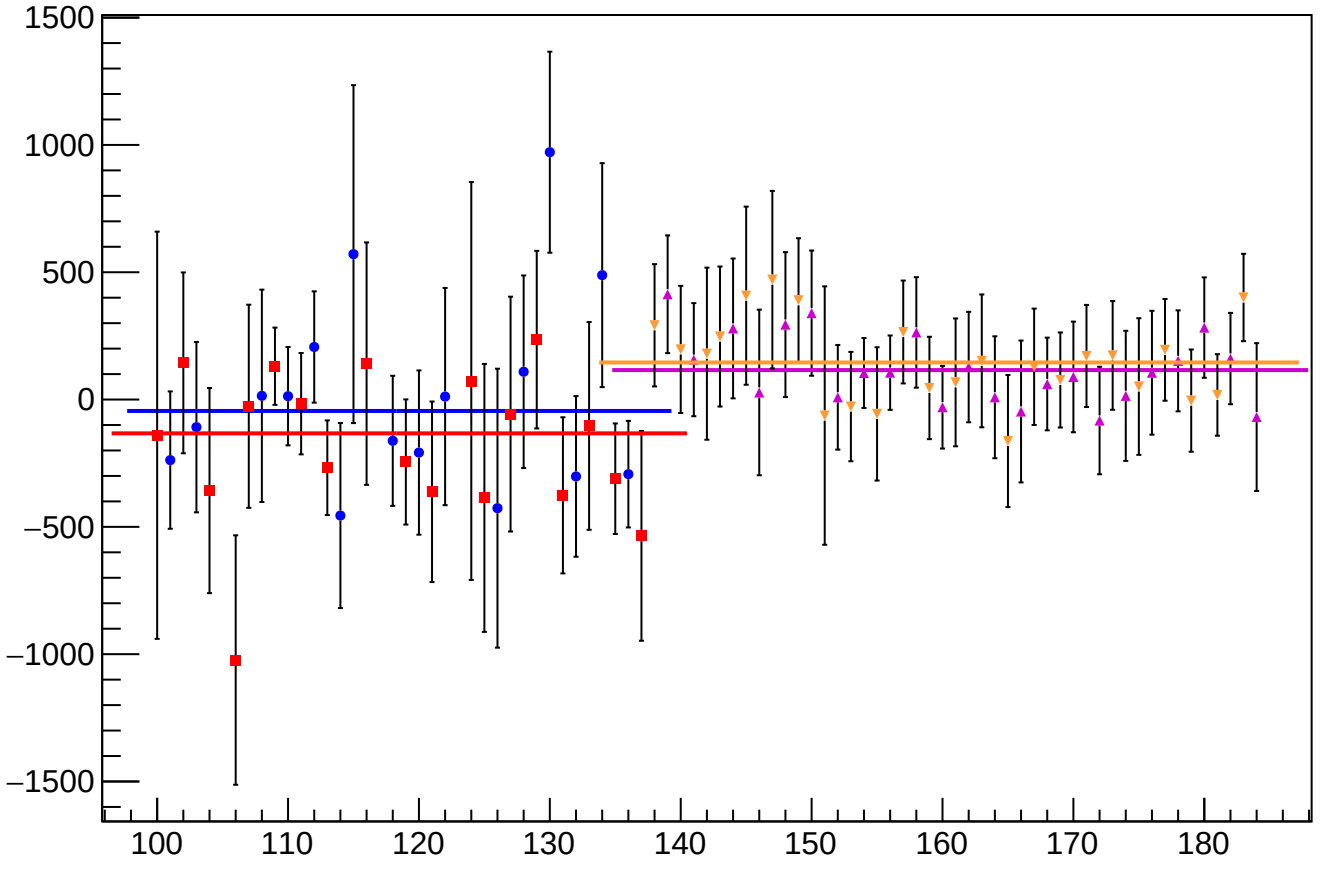
Left: 11.413+/-0.001 χ^2/NDF: 318744.4/45

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.248+/-0.002 χ^2/NDF:316996.7/38

Out: 11.359+/-0.002 χ^2/NDF:320760.7/40

All: 11.303+/-0.001 χ^2/NDF: 640208.9/79



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: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 129.609+/-31.944 χ^2/NDF: 18.3/46

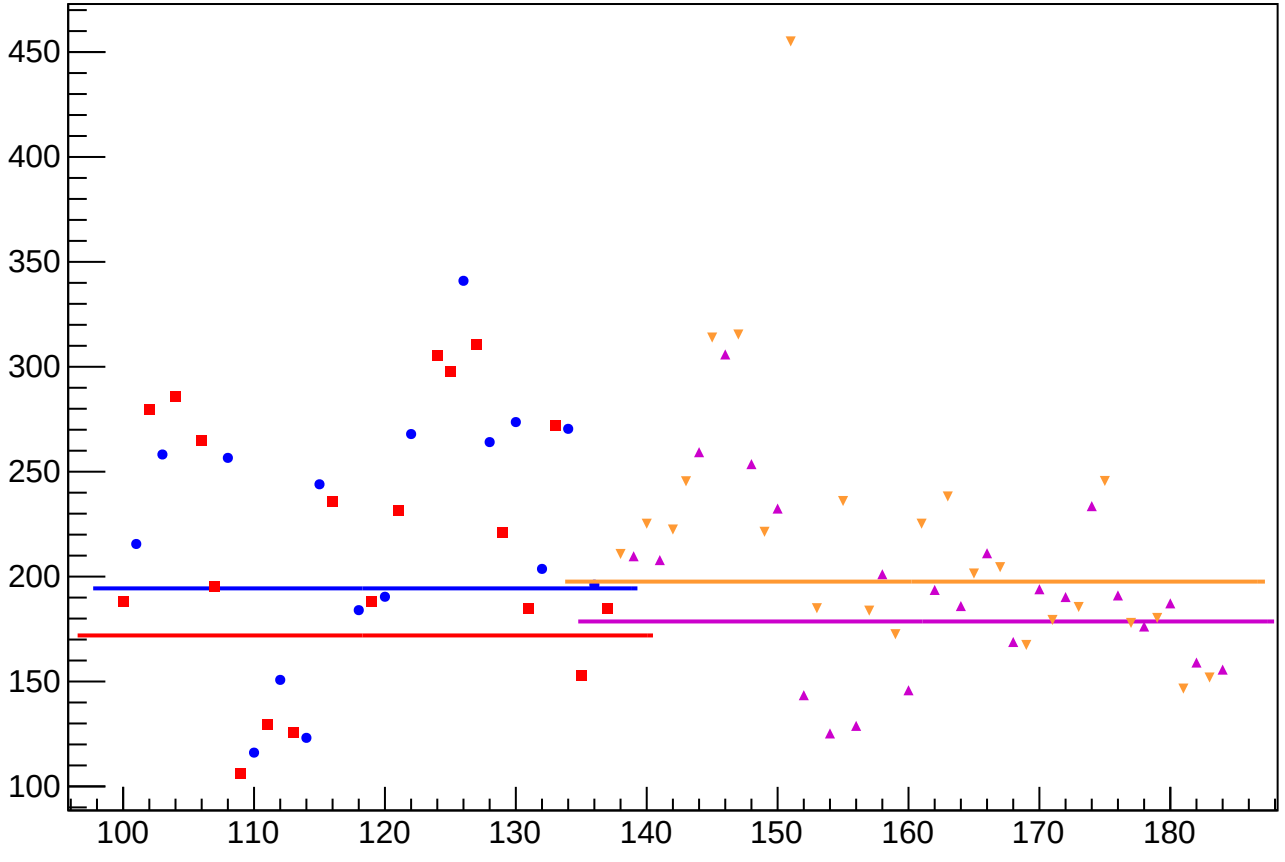
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 76.241+/-37.897 χ^2/NDF:26.6/38

Out: 56.432+/-38.649 χ^2/NDF:34.4/42

All: 66.531+/-27.059 χ^2/NDF: 61.1/81

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: 178.614+/-0.031 χ^2/NDF:1678859.8/22

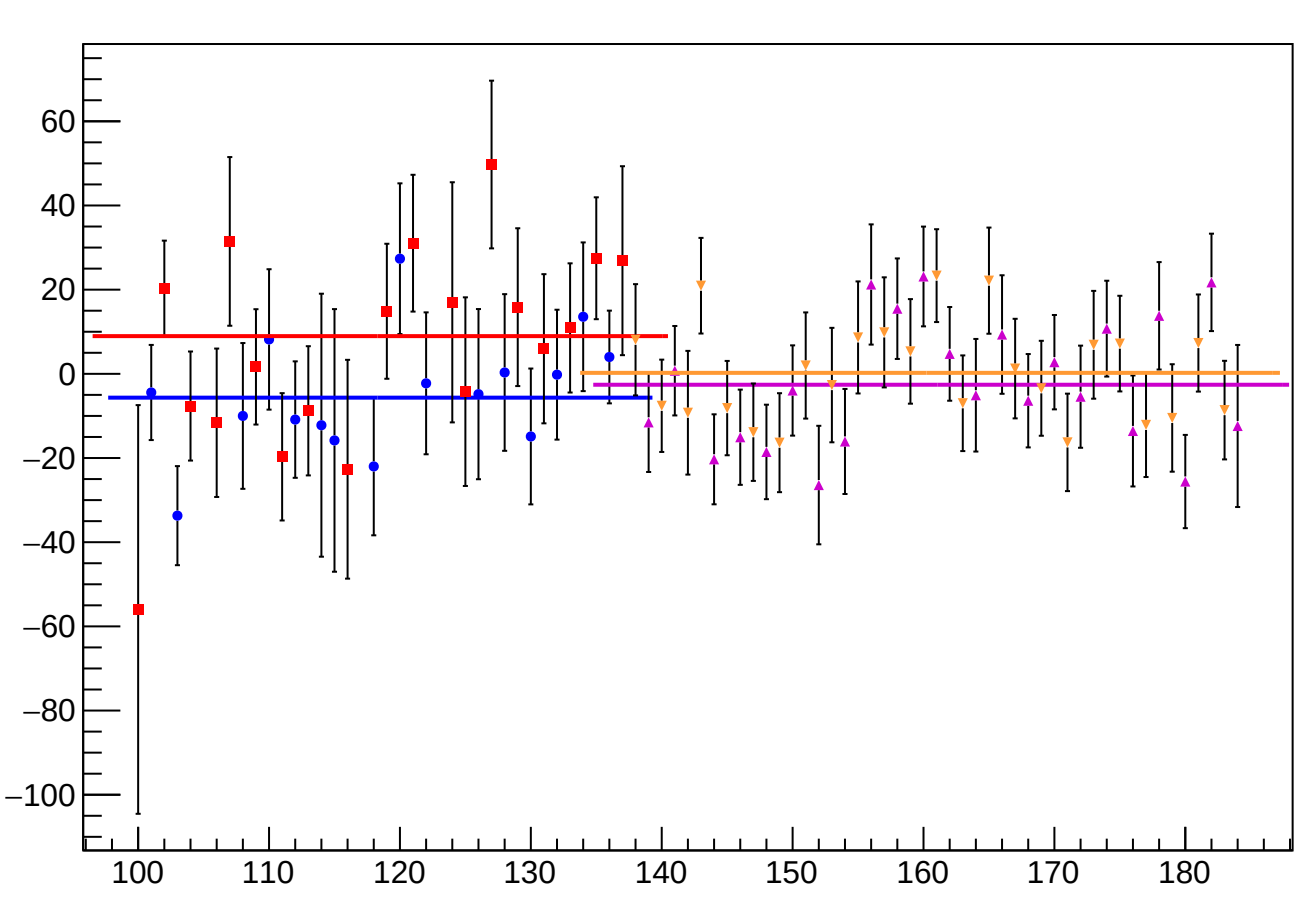
Left: 187.434+/-0.023 χ^2/NDF: 3623741.1/46

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.492+/-0.027 χ^2/NDF:2785113.6/38

Out: 189.389+/-0.027 χ^2/NDF:3612312.5/42

All: 185.873+/-0.019 χ^2/NDF: 6429893.9/81



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: -2.591+/-2.506 χ^2/NDF:34.8/22

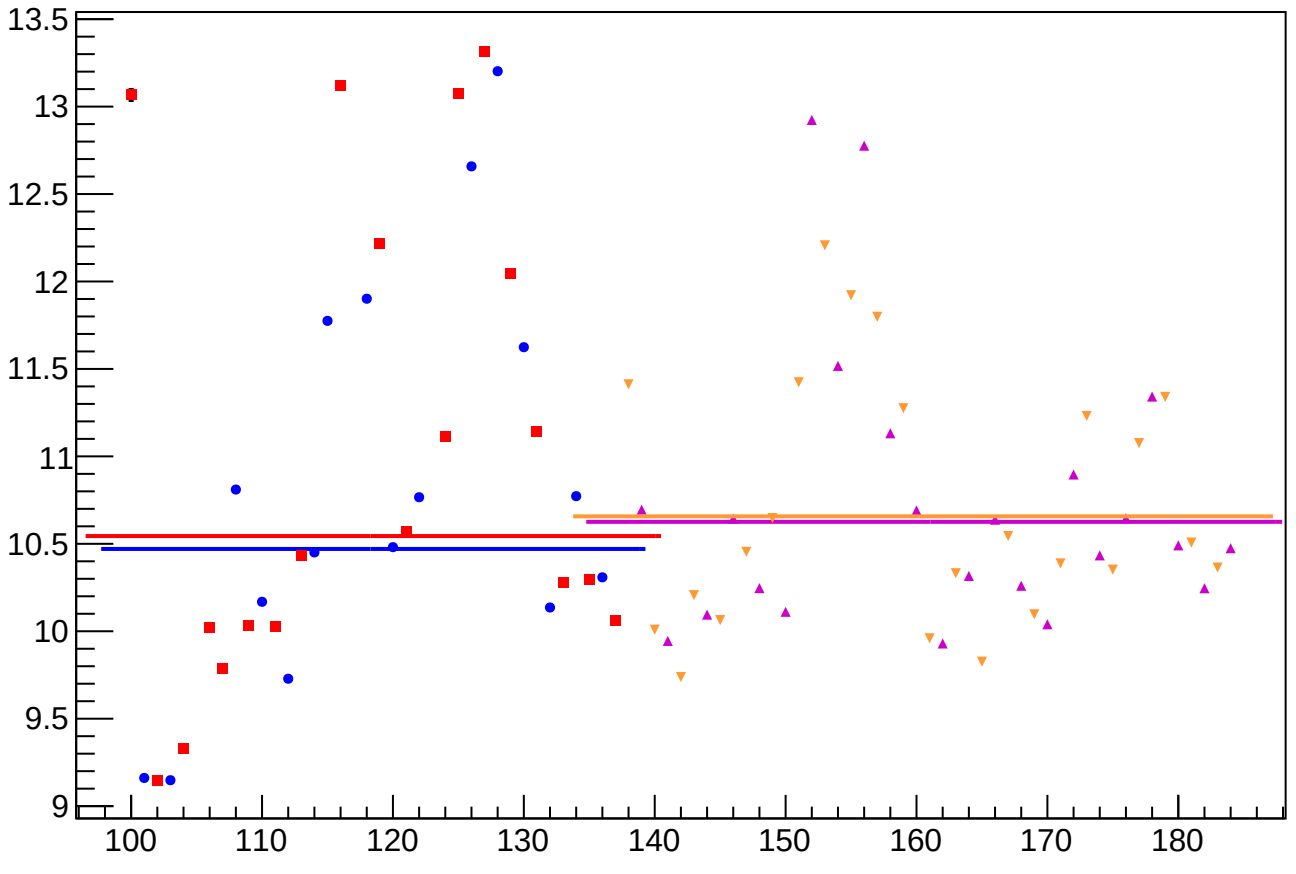
Left: -1.154+/-1.757 χ^2/NDF: 58.5/46

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.474+/-2.114 χ^2/NDF:48.9/38

Out: 2.723+/-2.083 χ^2/NDF:49.4/42

All: -0.330+/-1.484 χ^2/NDF: 102.7/81



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: 10.626+/-0.002 χ^2/NDF:159543.1/22

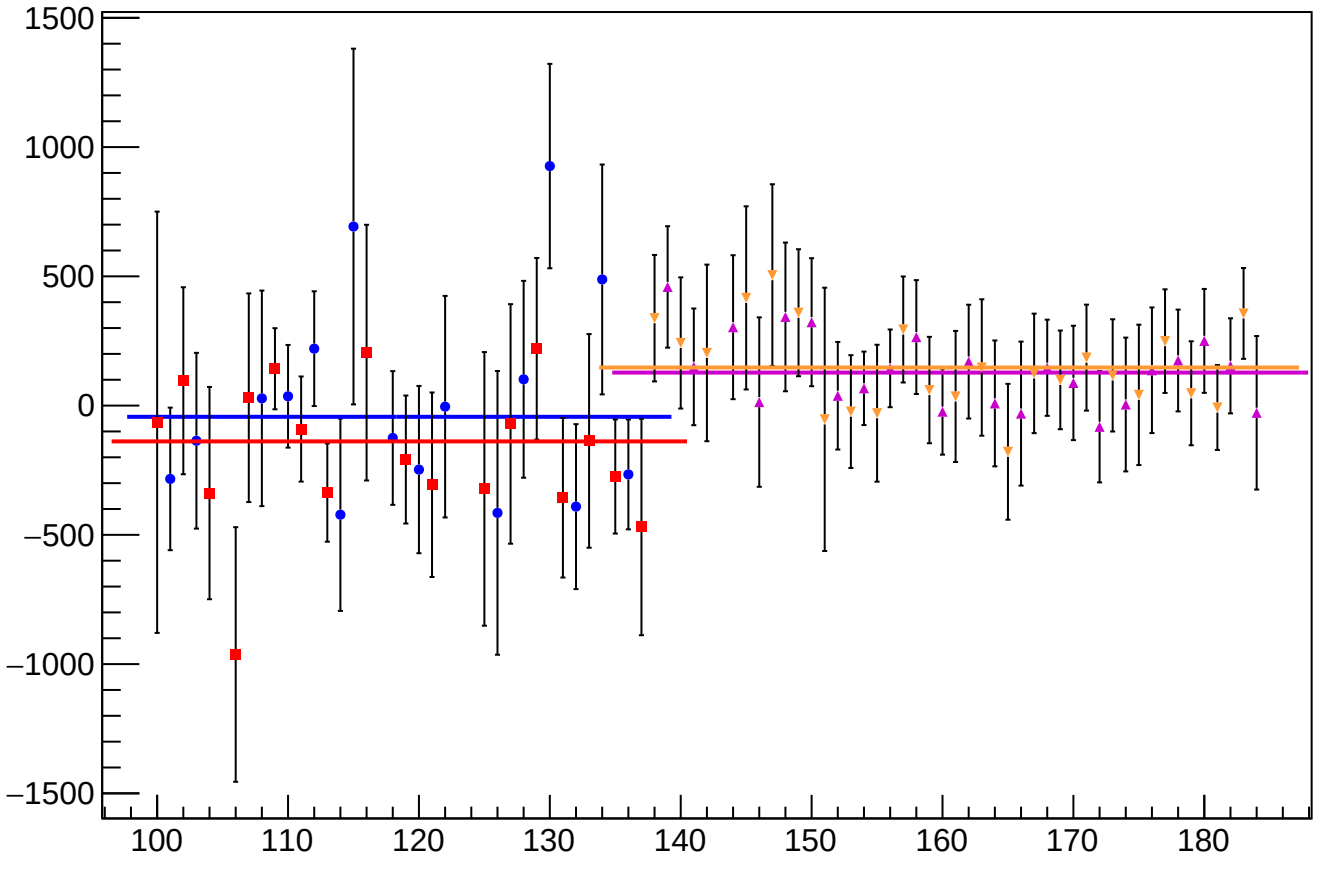
Left: 10.642+/-0.001 χ^2/NDF: 301560.5/46

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.581+/-0.001 χ^2/NDF:319115.3/38

Out: 10.625+/-0.001 χ^2/NDF:329831.5/42

All: 10.603+/-0.001 χ^2/NDF: 649385.1/81



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: 127.710+/-44.426 χ^2/NDF:7.8/22

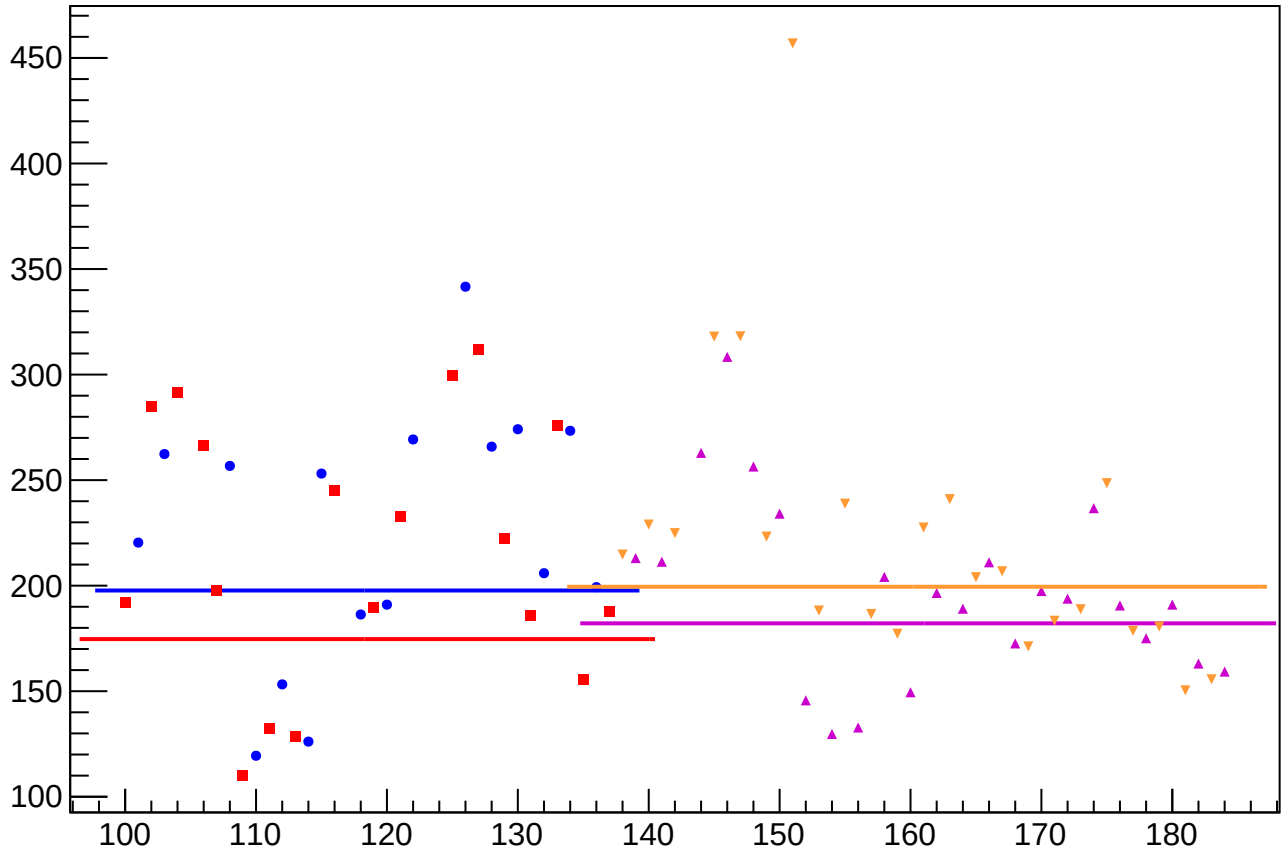
Left: 136.709+/-32.706 χ^2/NDF: 17.8/45

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 85.462+/-38.553 χ^2/NDF:27.0/38

Out: 54.807+/-39.738 χ^2/NDF:32.6/40

All: 70.599+/-27.671 χ^2/NDF: 59.9/79



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: 182.150+/-0.031 χ^2/NDF:1584358.1/22

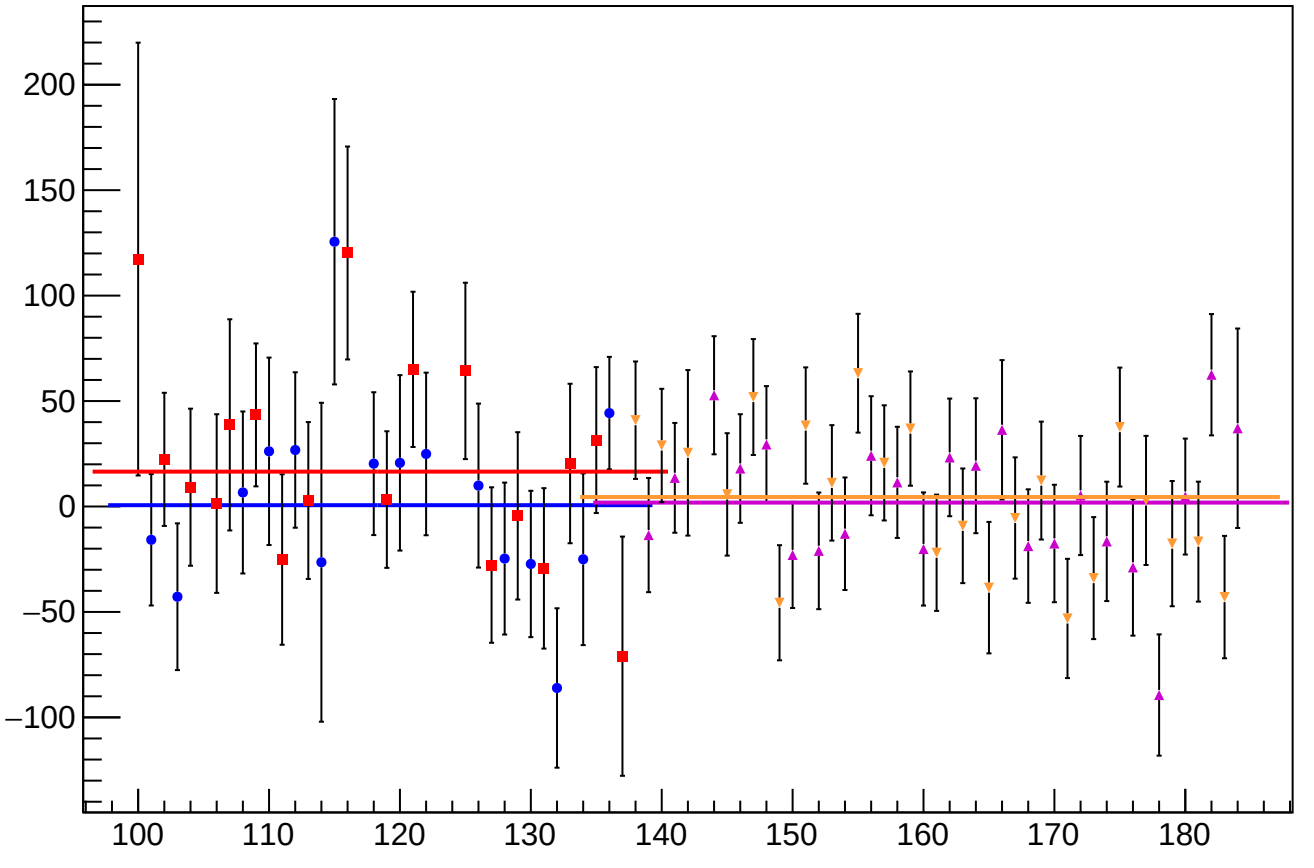
Left: 190.089+/-0.023 χ^2/NDF: 3376764.4/45

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 185.992+/-0.027 χ^2/NDF:2645242.4/38

Out: 191.451+/-0.028 χ^2/NDF:3358331.7/40

All: 188.639+/-0.020 χ^2/NDF: 6023021.3/79



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: 1.850+/-5.893 χ^2/NDF:28.1/22

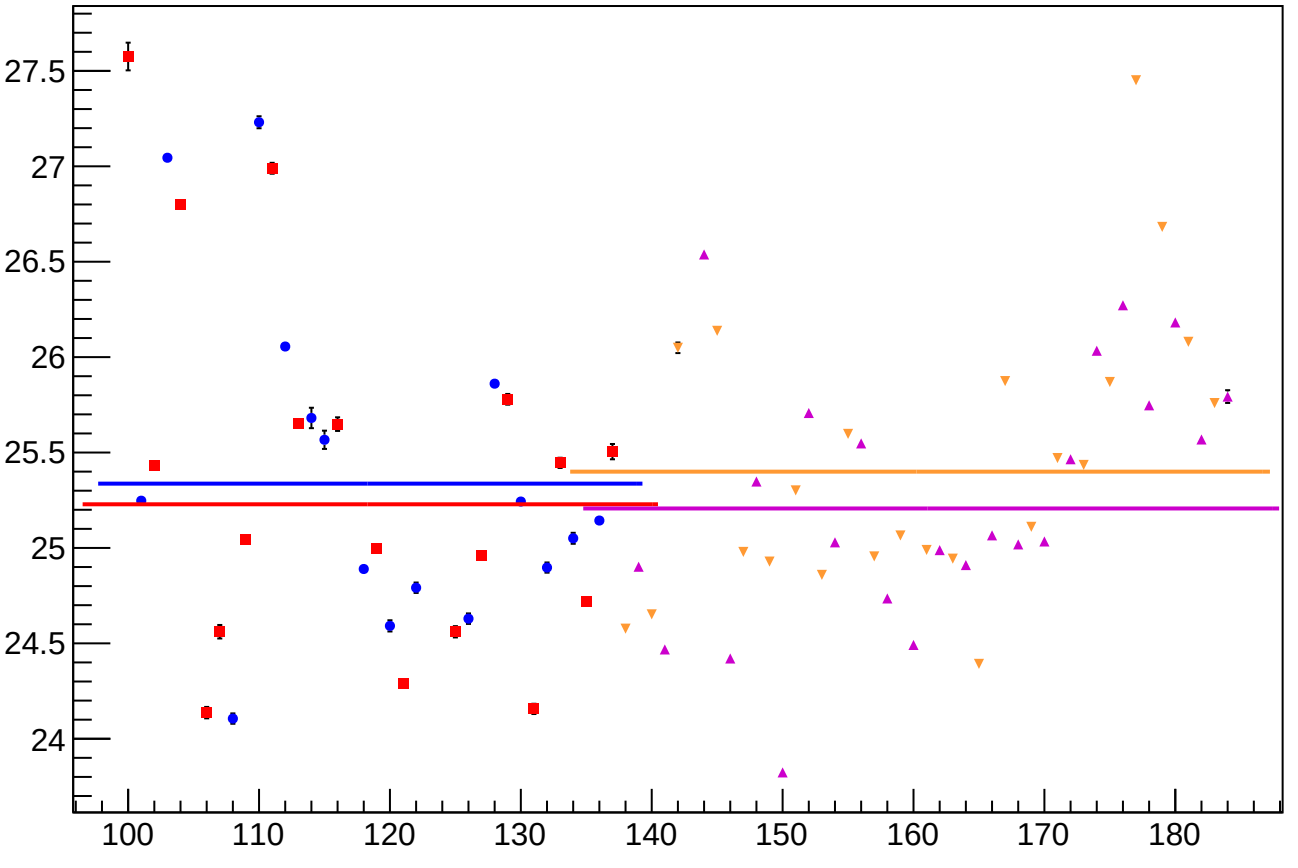
Left: 3.155+/-4.185 χ^2/NDF: 59.4/45

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 1.504+/-4.996 χ^2/NDF:44.8/38

Out: 7.974+/-5.009 χ^2/NDF:48.8/40

All: 4.730+/-3.538 χ^2/NDF: 94.4/79



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: 25.207+/-0.004 χ^2/NDF:25827.4/22

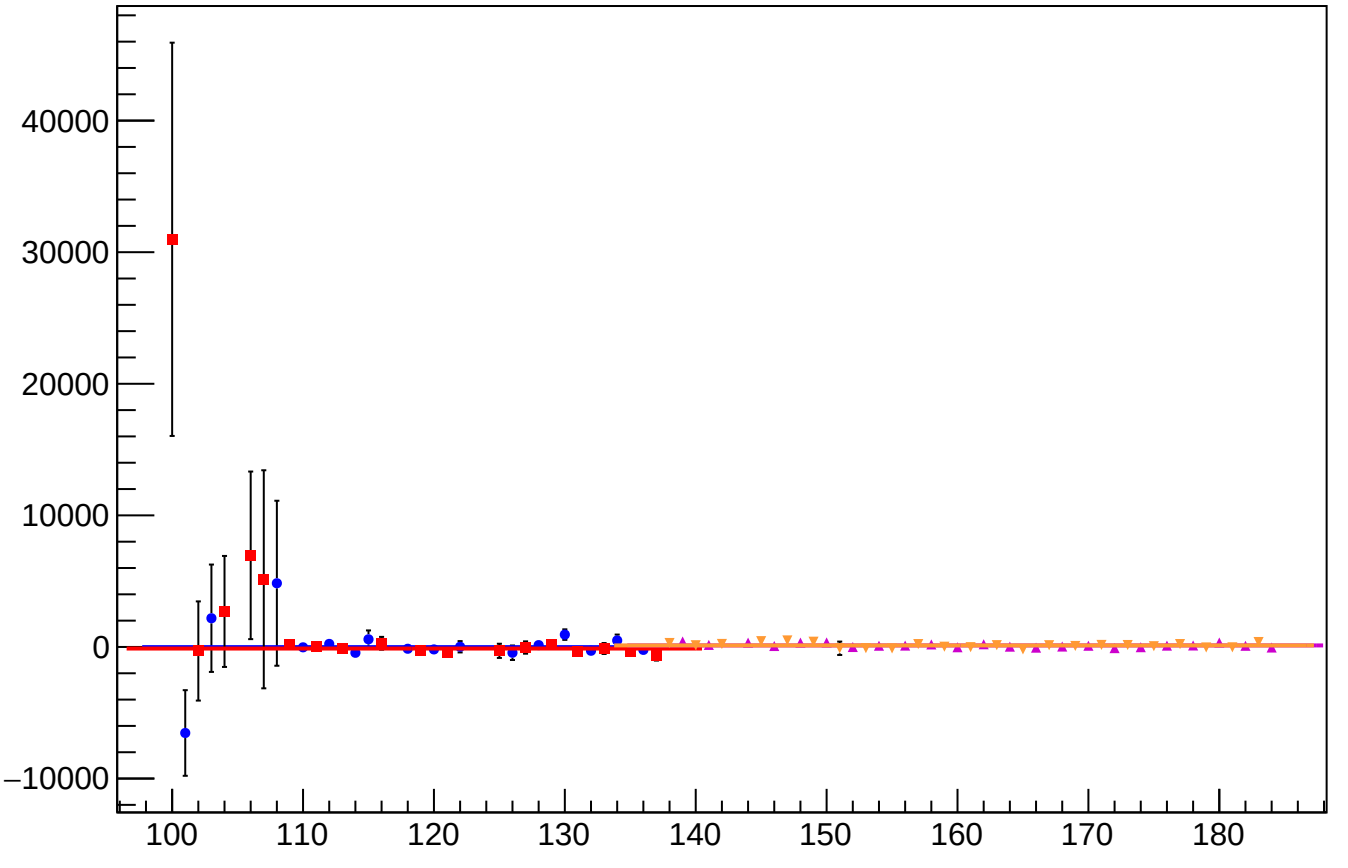
Left: 25.303+/-0.003 χ^2/NDF: 53416.5/45

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.243+/-0.004 χ^2/NDF:40416.9/38

Out: 25.350+/-0.004 χ^2/NDF:42181.7/40

All: 25.297+/-0.003 χ^2/NDF: 83054.5/79



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: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 117.051+/-32.756 χ^2/NDF: 20.3/45

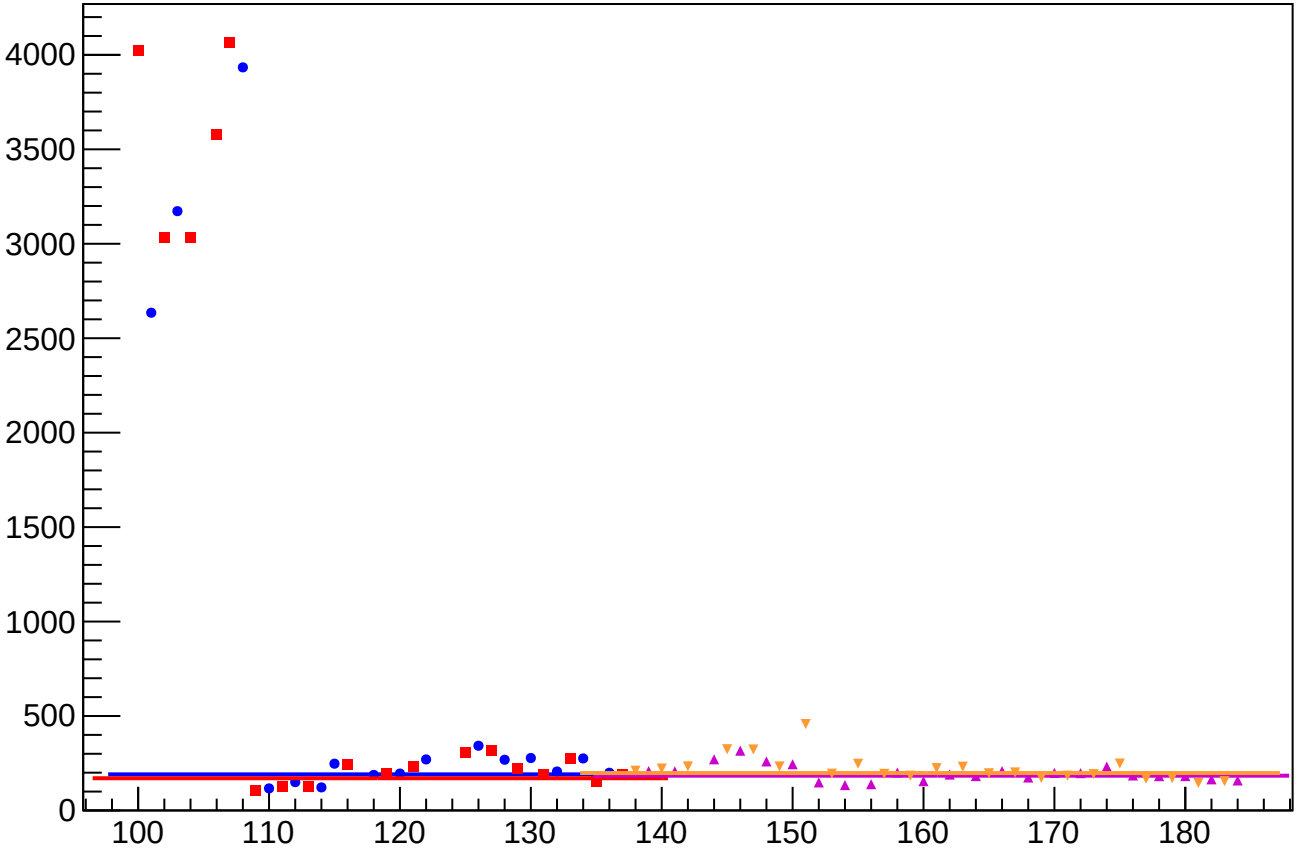
Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 87.840+/-39.567 χ^2/NDF:28.6/38

Out: 52.854+/-40.934 χ^2/NDF:32.9/40

All: 70.941+/-28.449 χ^2/NDF: 61.9/79

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 198.003+/-0.034 χ^2/NDF:1768848.9/22

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

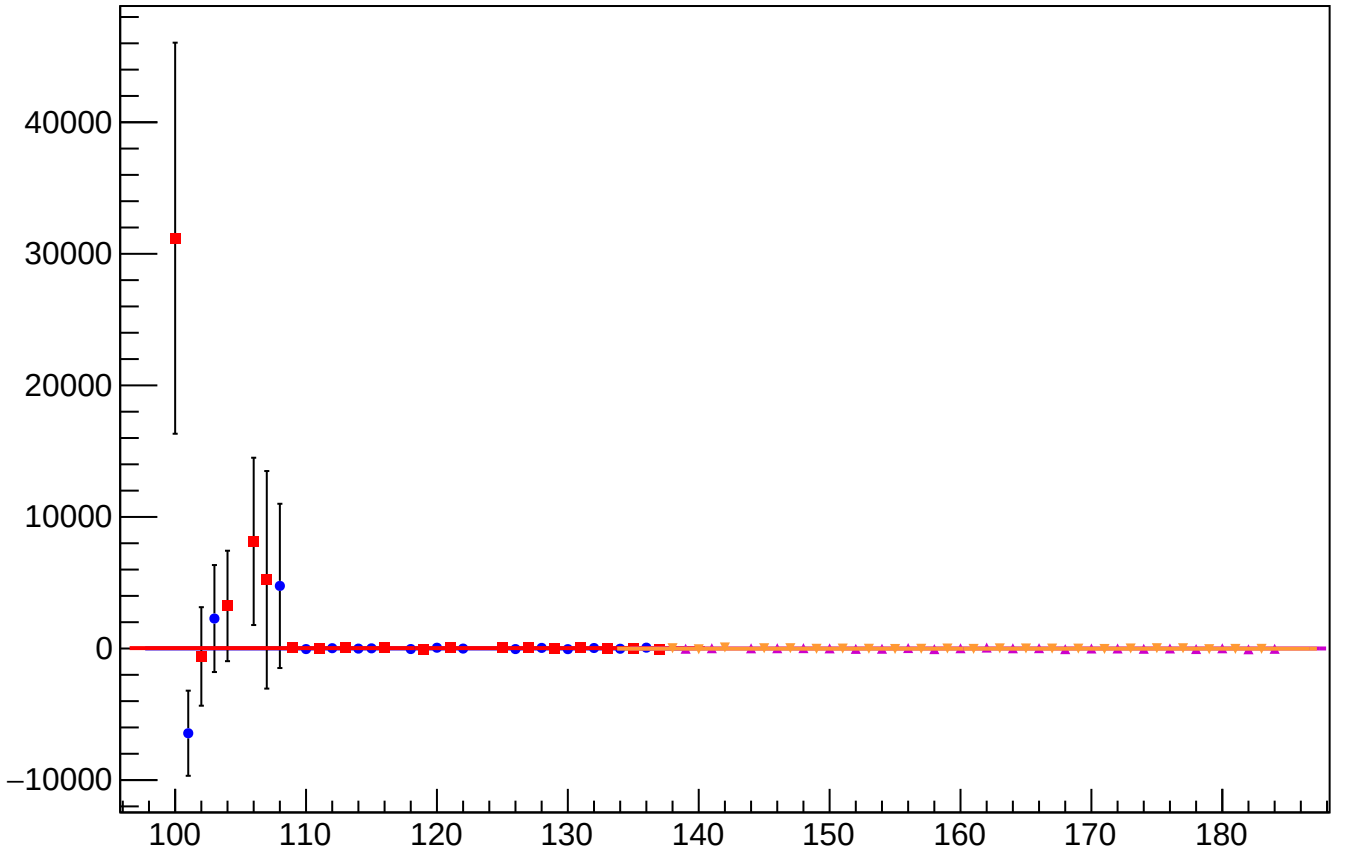
Left: 190.540+/-0.023 χ^2/NDF: 3304548.8/45

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 185.591+/-0.028 χ^2/NDF:5290160.7/38

Out: 190.474+/-0.029 χ^2/NDF:6203220.8/40

All: 187.950+/-0.020 χ^2/NDF: 11508094.1/79



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: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -3.855+/-4.749 χ^2/NDF: 40.2/45

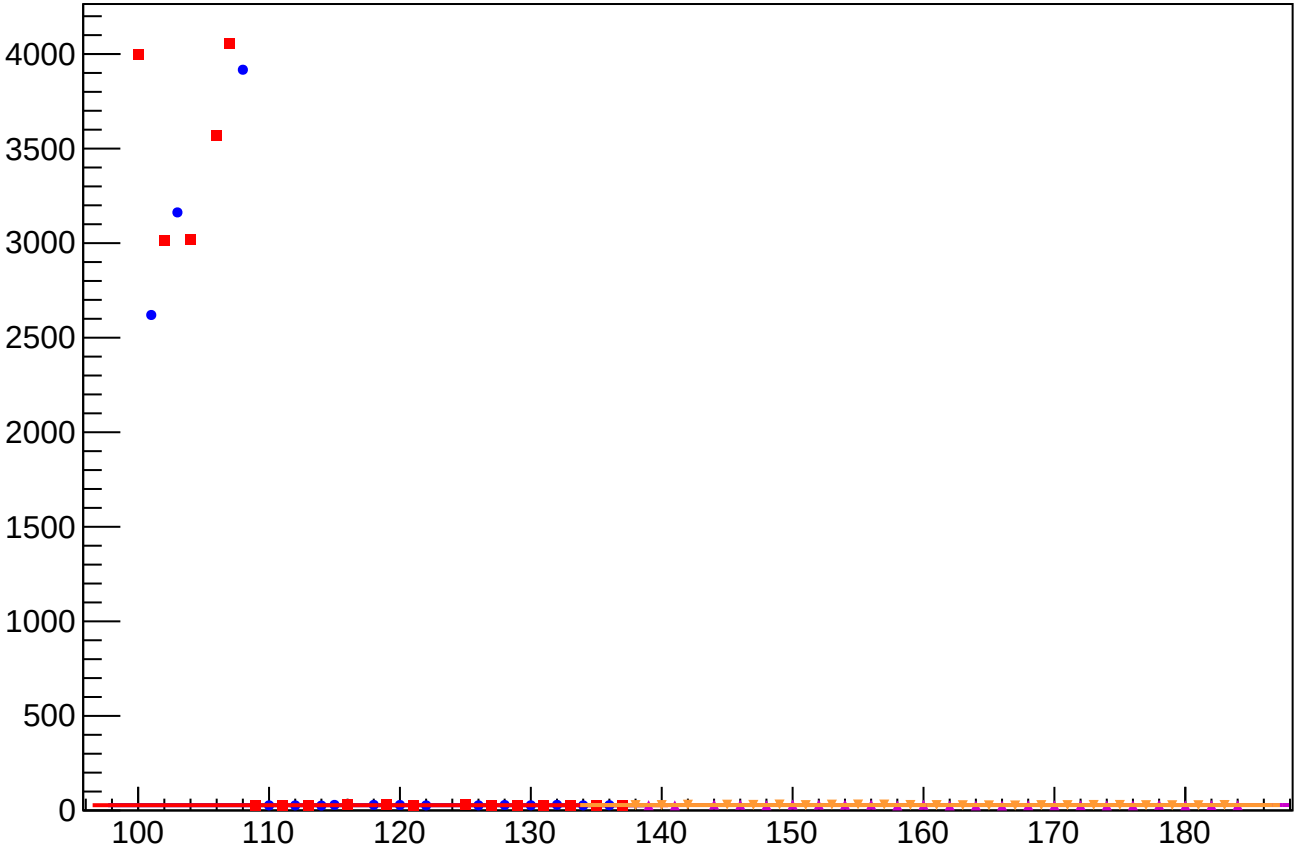
Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 3.542+/-5.843 χ^2/NDF:40.5/38

Out: -0.592+/-5.860 χ^2/NDF:44.9/40

All: 1.481+/-4.138 χ^2/NDF: 85.7/79

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: 28.728+/-0.005 χ^2/NDF:127383.0/22

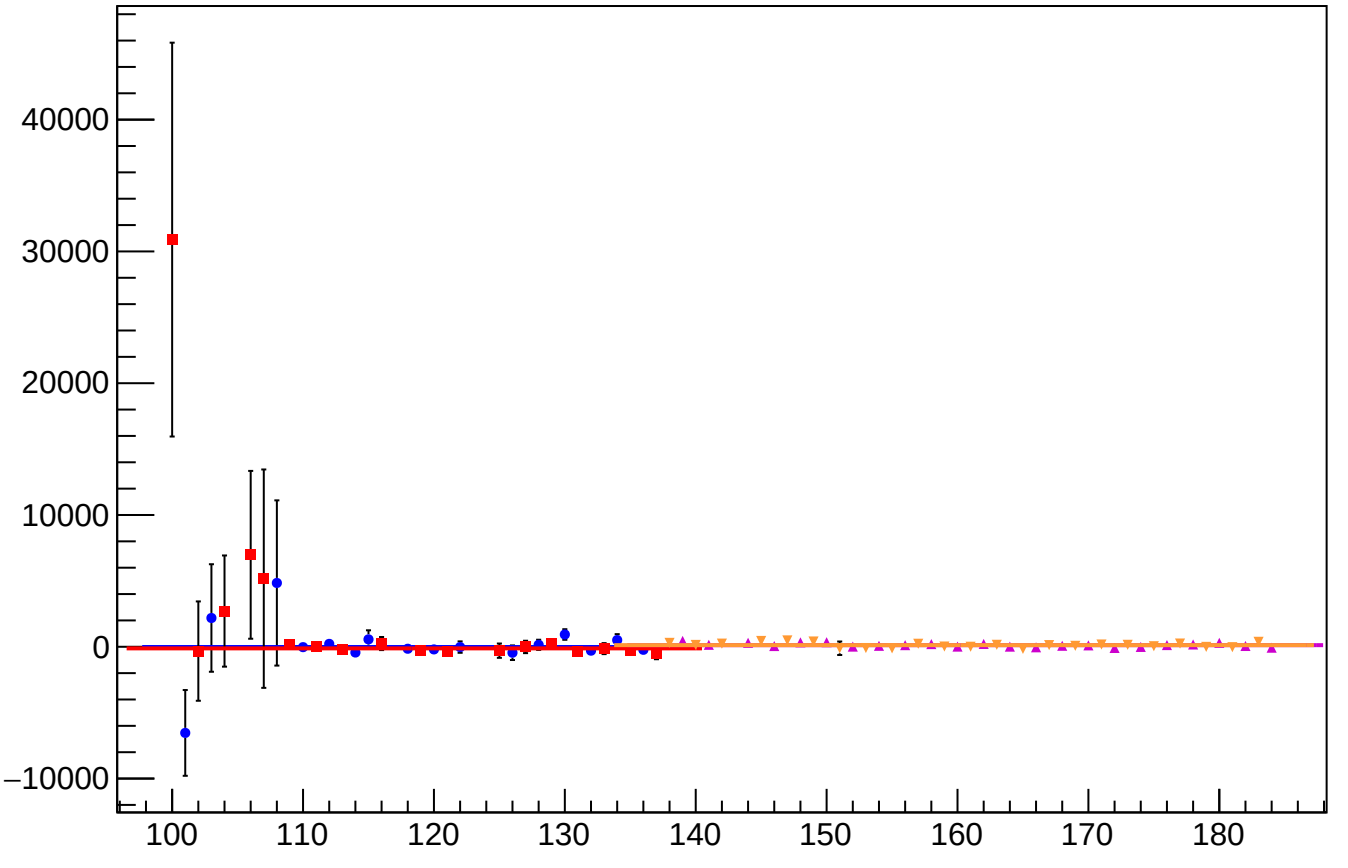
Left: 28.660+/-0.003 χ^2/NDF: 208785.6/45

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.505+/-0.004 χ^2/NDF:3402151.2/38

Out: 28.401+/-0.004 χ^2/NDF:3646341.1/40

All: 28.453+/-0.003 χ^2/NDF: 7048807.9/79



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: 122.809+/-45.199 χ^2/NDF:8.0/22

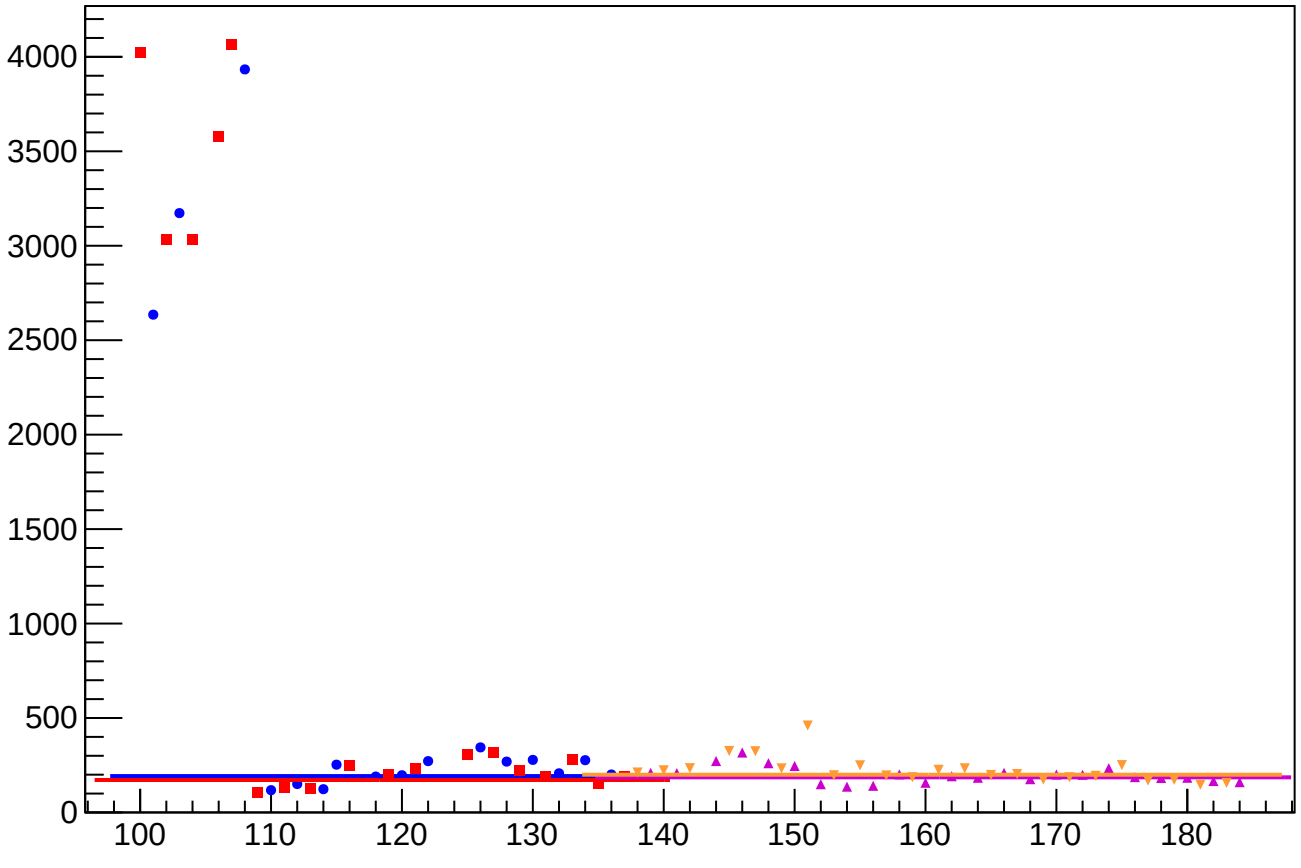
Left: 123.414+/-33.049 χ^2/NDF: 19.5/45

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 91.471+/-39.914 χ^2/NDF:28.3/38

Out: 56.779+/-41.277 χ^2/NDF:31.8/40

All: 74.707+/-28.693 χ^2/NDF: 60.5/79



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: 185.871+/-0.032 χ^2/NDF:1405525.2/22

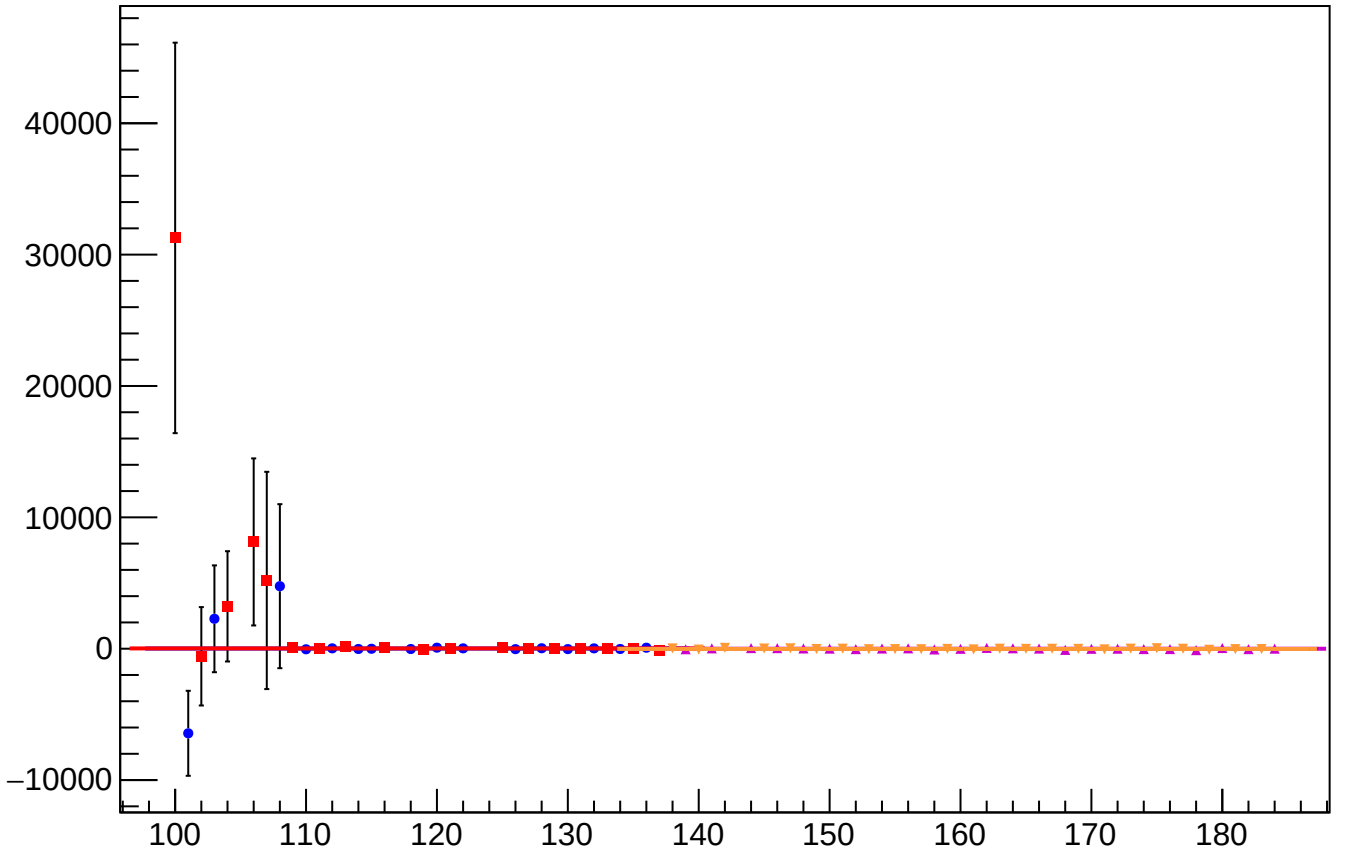
Left: 192.356+/-0.023 χ^2/NDF: 3240339.9/45

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 187.344+/-0.028 χ^2/NDF:5237957.6/38

Out: 192.158+/-0.029 χ^2/NDF:6176047.9/40

All: 189.670+/-0.020 χ^2/NDF: 11428063.0/79



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: -2.709+/-7.348 χ^2/NDF:35.5/22

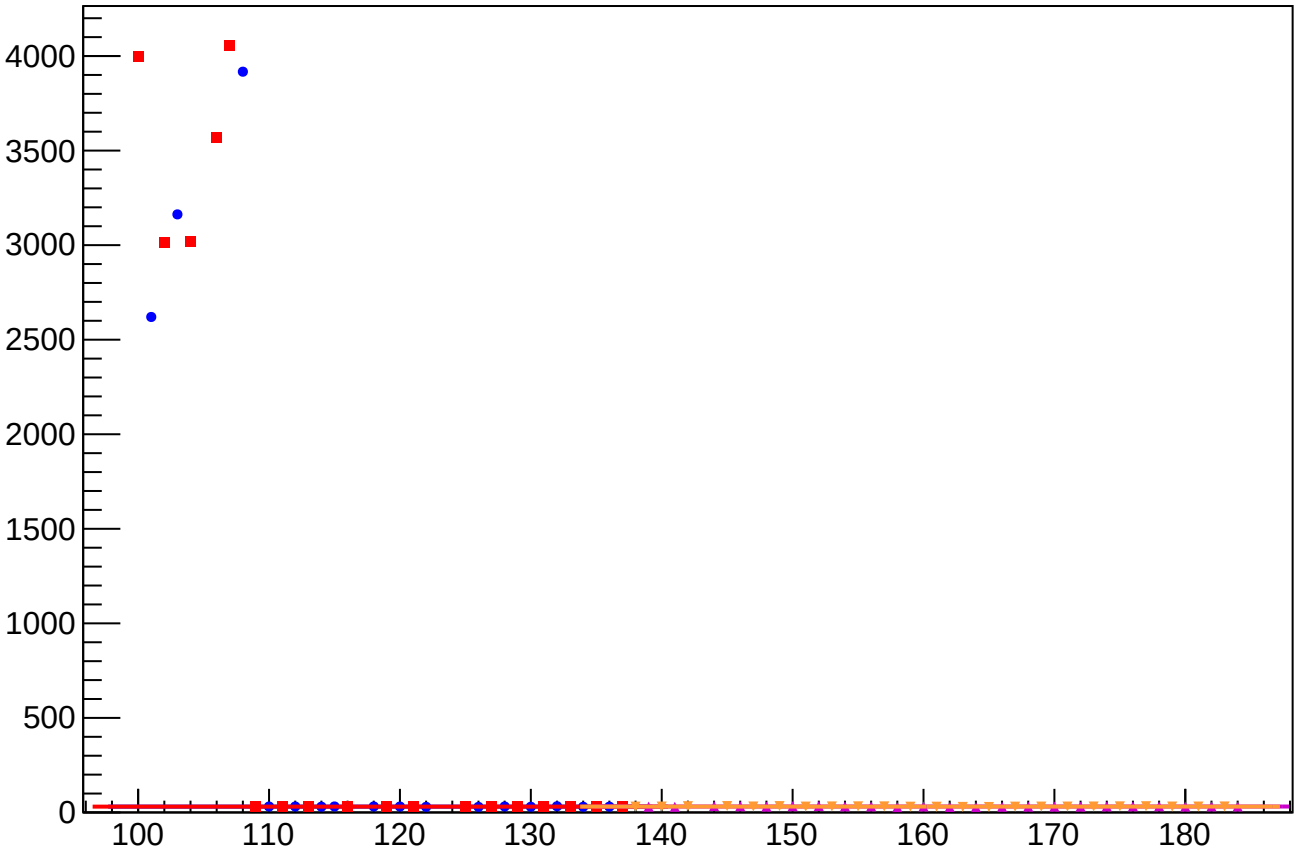
Left: -10.027+/-5.182 χ^2/NDF: 56.6/45

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 1.238+/-6.404 χ^2/NDF:52.2/38

Out: -8.268+/-6.414 χ^2/NDF:54.1/40

All: -3.507+/-4.532 χ^2/NDF: 107.4/79



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: 31.379+/-0.005 χ^2/NDF:85229.7/22

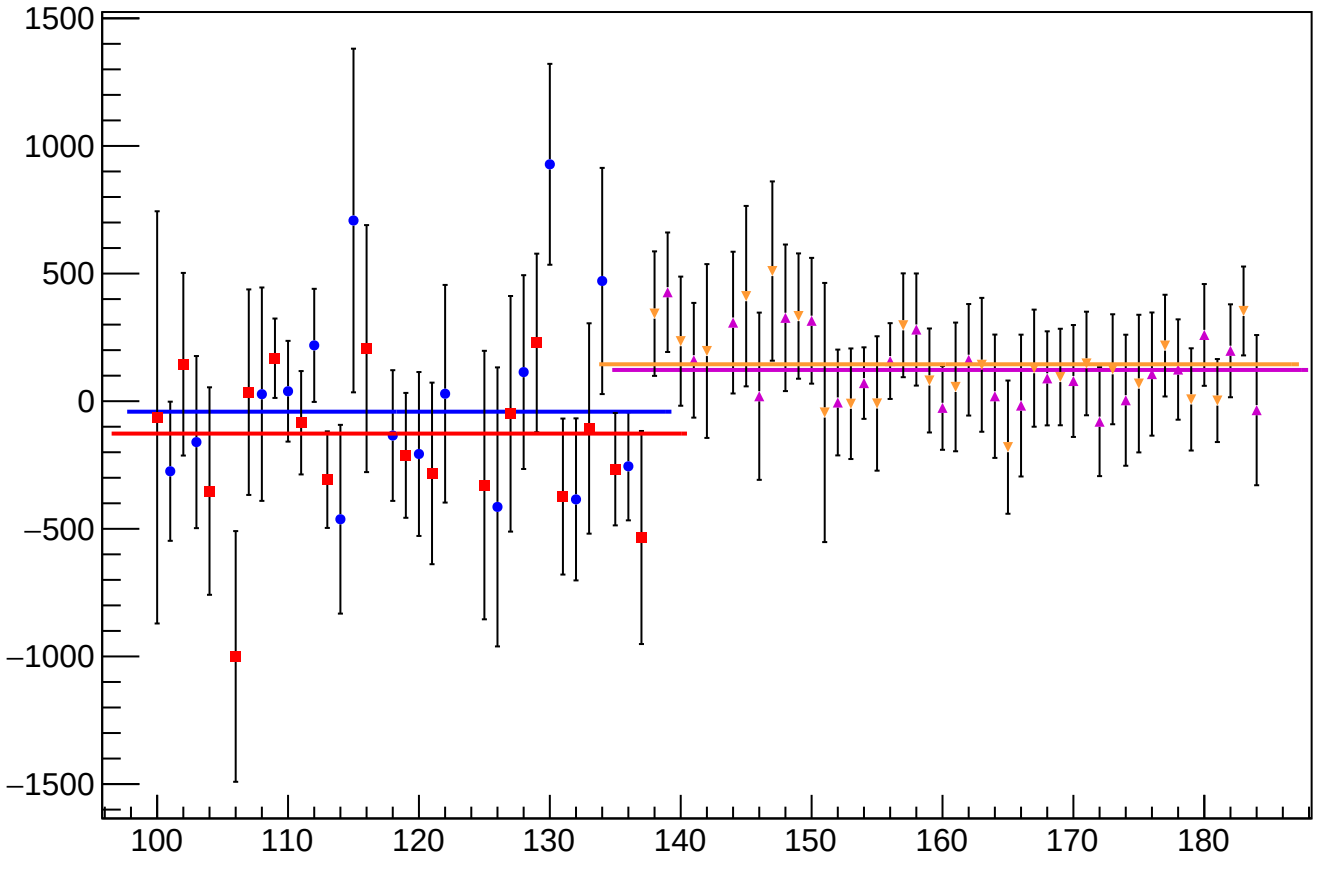
Left: 31.295+/-0.004 χ^2/NDF: 132850.1/45

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.271+/-0.005 χ^2/NDF:3339649.0/38

Out: 31.117+/-0.005 χ^2/NDF:3584470.9/40

All: 31.194+/-0.003 χ^2/NDF: 6924695.7/79



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: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 132.569+/-32.466 χ^2/NDF: 17.3/45

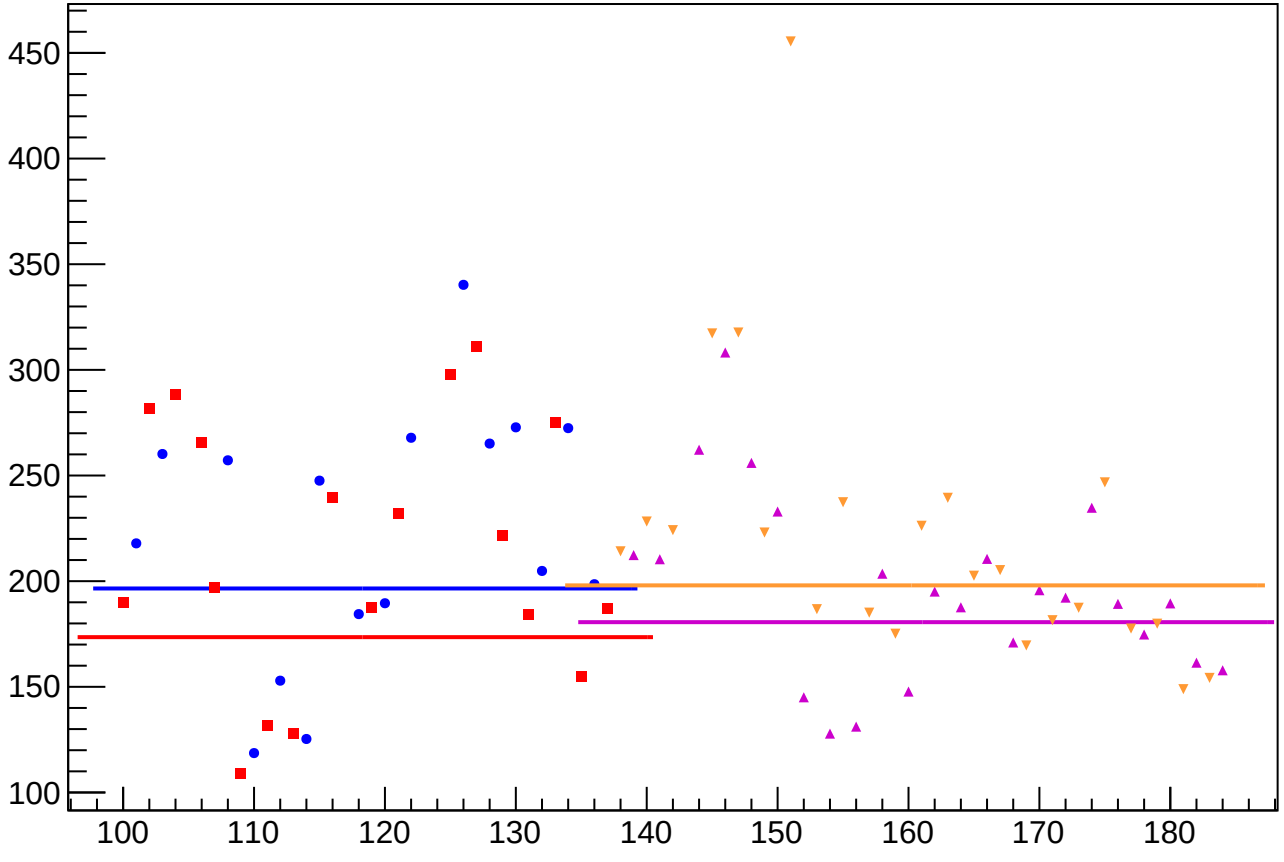
Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 82.130+/-38.273 χ^2/NDF:26.9/38

Out: 56.768+/-39.471 χ^2/NDF:32.5/40

All: 69.840+/-27.477 χ^2/NDF: 59.6/79

asym_bcm_dg_us_an_us_avg_rms vs Slug, Sign Corrected



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: 180.601+/-0.031 χ^2/NDF:1628072.3/22

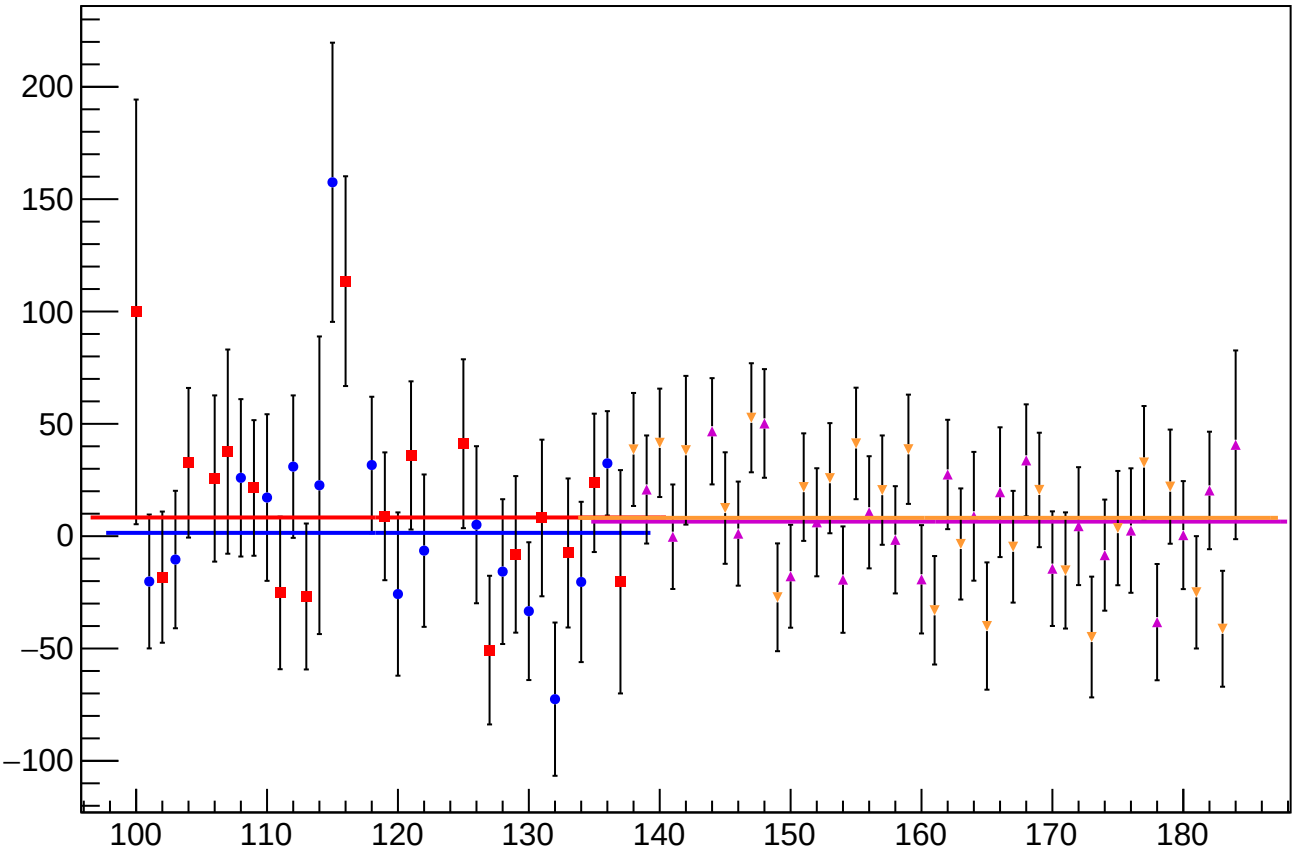
Left: 188.568+/-0.023 χ^2/NDF: 3450901.5/45

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 184.525+/-0.027 χ^2/NDF:2693226.3/38

Out: 190.082+/-0.028 χ^2/NDF:3381495.4/40

All: 187.218+/-0.019 χ^2/NDF: 6095151.1/79



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: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 7.319+/-3.716 χ^2/NDF: 49.7/45

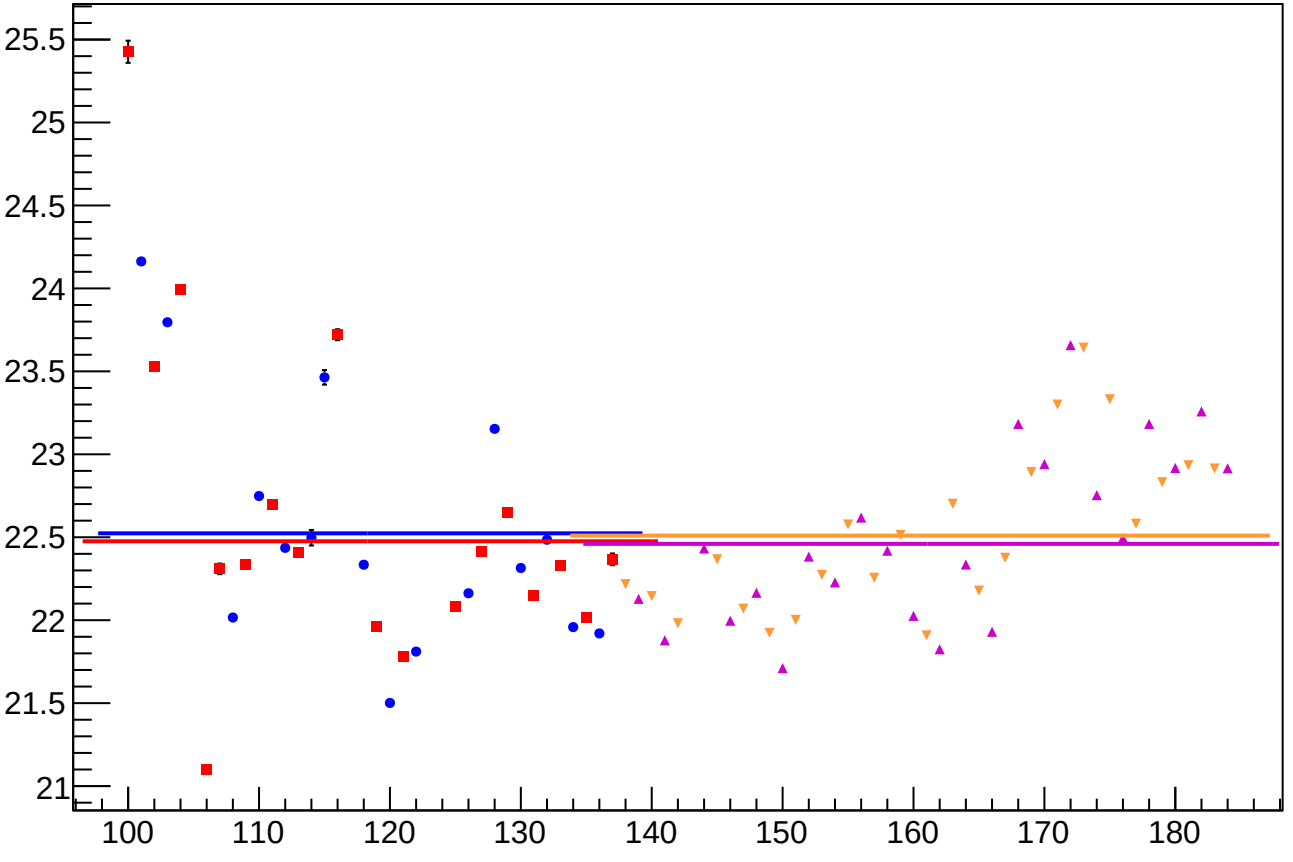
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 5.070+/-4.445 χ^2/NDF:36.4/38

Out: 8.209+/-4.443 χ^2/NDF:48.2/40

All: 6.640+/-3.142 χ^2/NDF: 84.8/79

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: 22.460+/-0.004 χ^2/NDF:19117.2/22

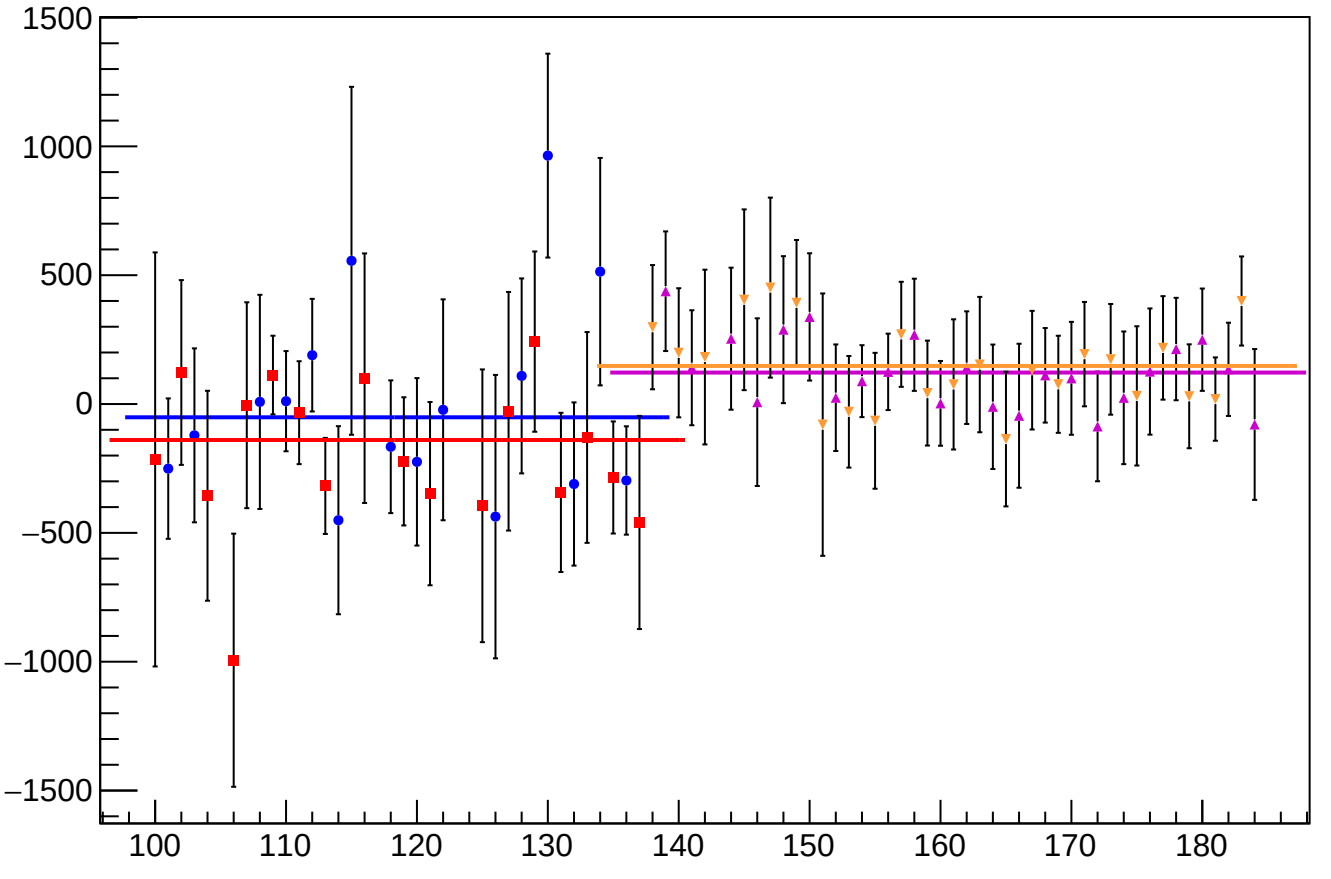
Left: 22.485+/-0.003 χ^2/NDF: 34743.6/45

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.478+/-0.003 χ^2/NDF:35147.2/38

Out: 22.500+/-0.003 χ^2/NDF:31098.2/40

All: 22.489+/-0.002 χ^2/NDF: 66269.7/79



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: 122.165+/-44.006 χ^2/NDF:7.5/22

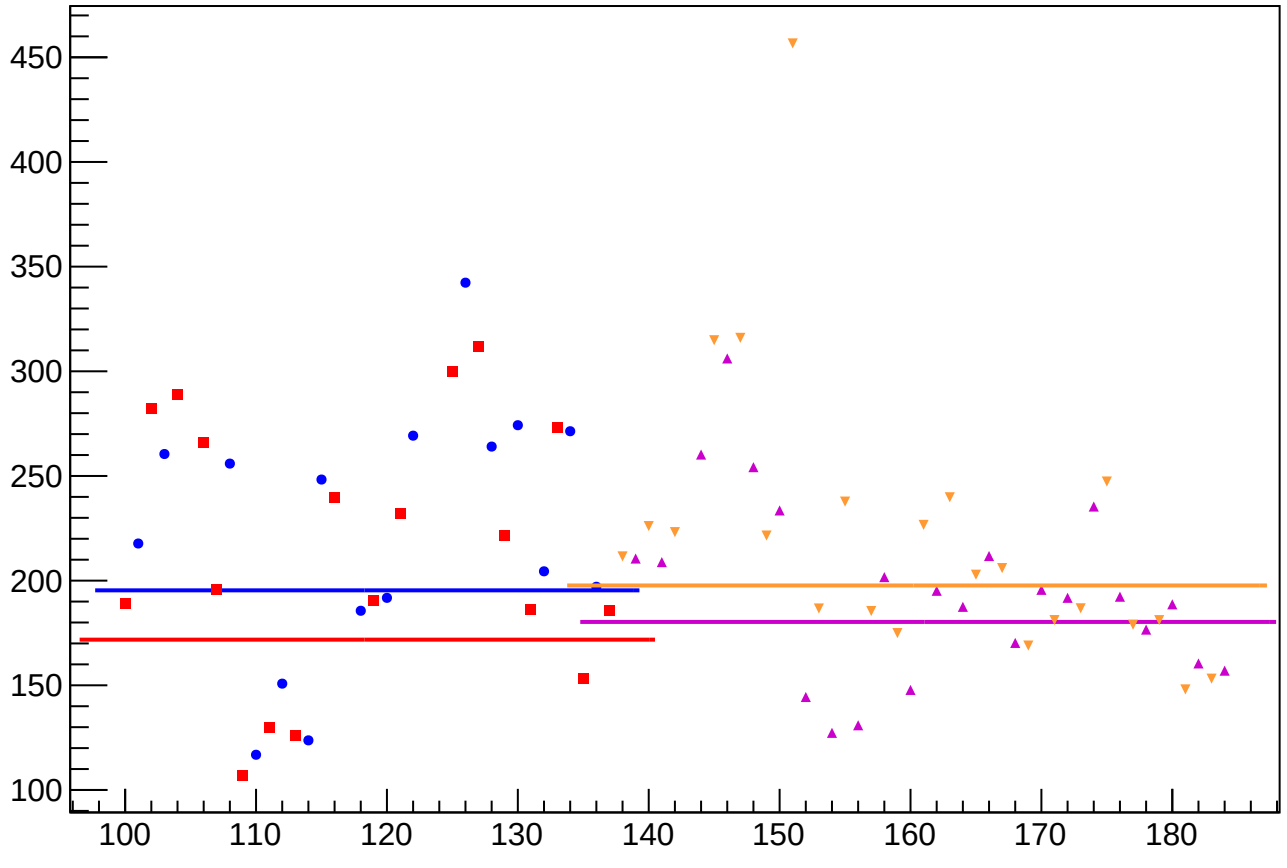
Left: 133.898+/-32.414 χ^2/NDF: 17.4/45

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 79.240+/-38.182 χ^2/NDF:26.7/38

Out: 54.098+/-39.340 χ^2/NDF:33.1/40

All: 67.045+/-27.399 χ^2/NDF: 59.9/79



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: 180.274+/-0.031 χ^2/NDF:1624682.7/22

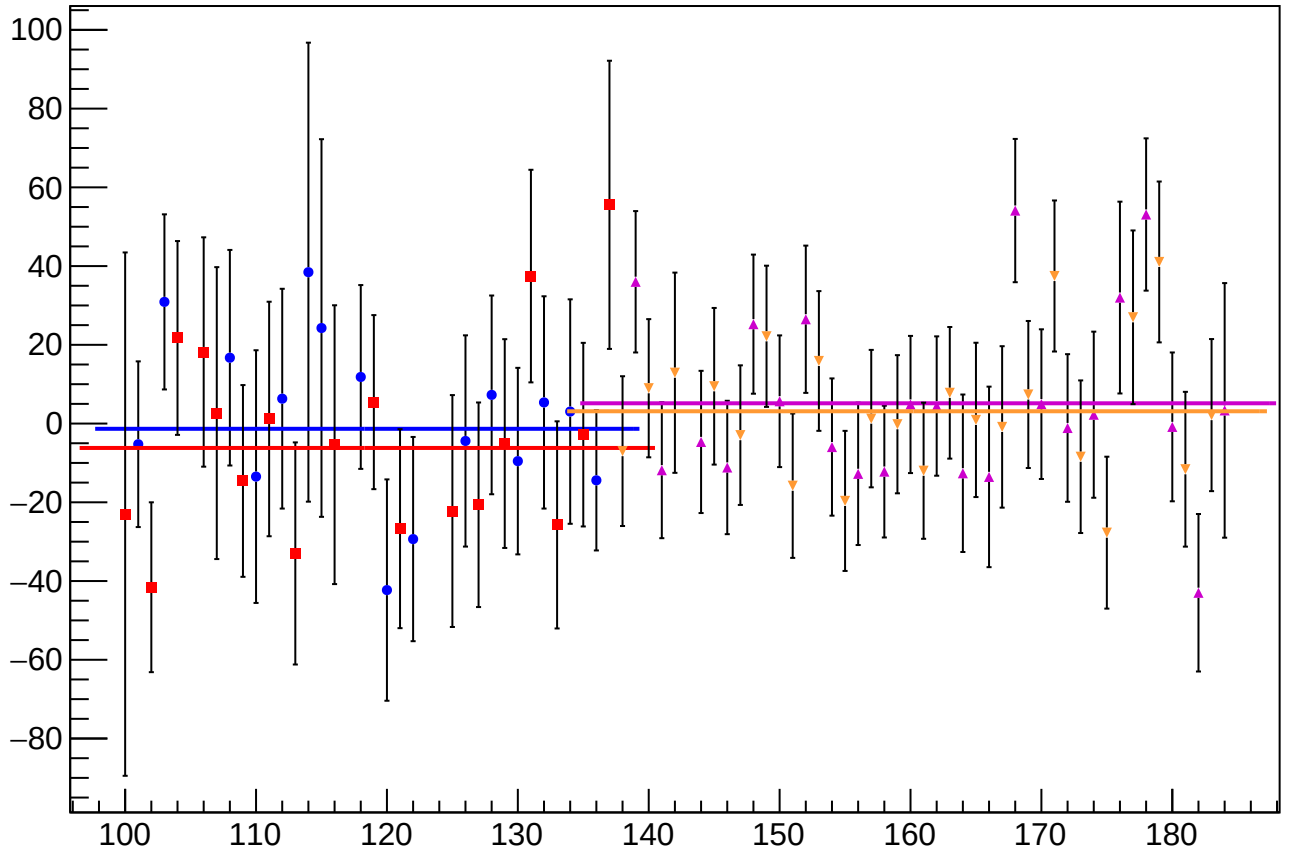
Left: 188.242+/-0.023 χ^2/NDF: 3449523.5/45

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 184.003+/-0.027 χ^2/NDF:2724218.6/38

Out: 189.249+/-0.028 χ^2/NDF:3472492.9/40

All: 186.548+/-0.019 χ^2/NDF: 6215024.2/79



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: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.138+/-2.777 χ^2/NDF: 49.8/45

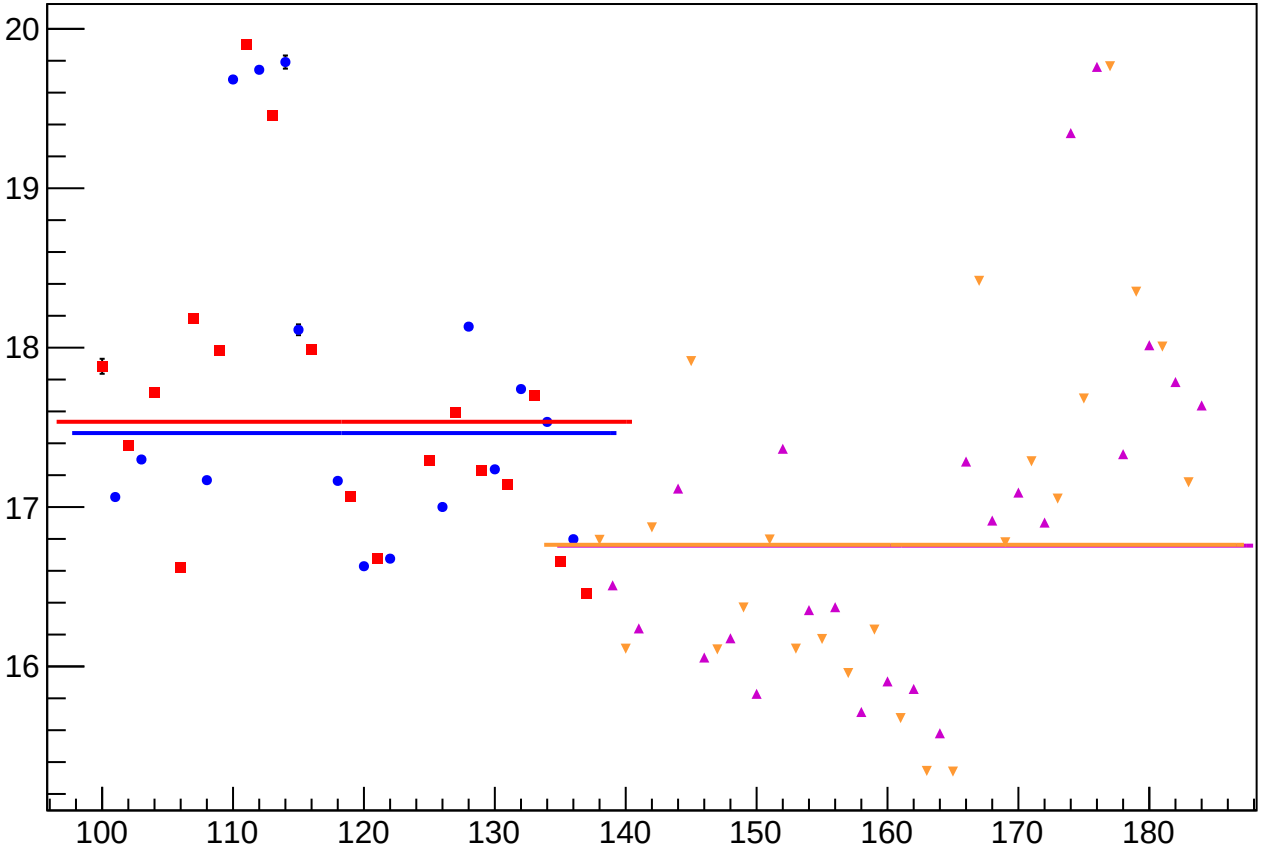
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 3.419+/-3.359 χ^2/NDF:41.0/38

Out: 0.614+/-3.359 χ^2/NDF:32.4/40

All: 2.016+/-2.375 χ^2/NDF: 73.8/79

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: 16.758+/-0.003 χ^2/NDF:123306.8/22

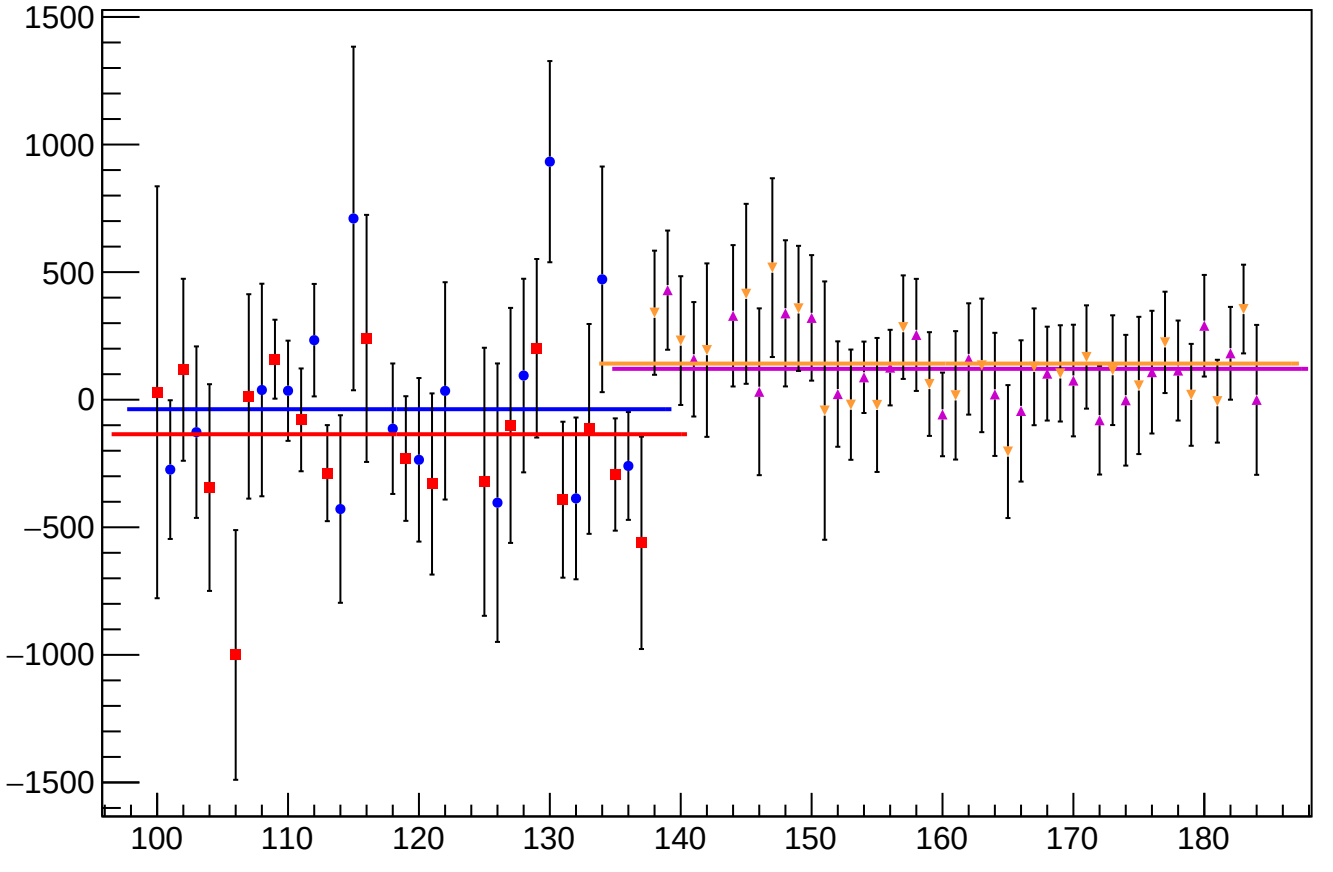
Left: 16.761+/-0.002 χ^2/NDF: 257845.0/45

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.947+/-0.002 χ^2/NDF:177273.1/38

Out: 16.971+/-0.002 χ^2/NDF:189787.2/40

All: 16.959+/-0.002 χ^2/NDF: 367113.8/79



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: 120.888+/-43.994 χ^2/NDF:8.2/22

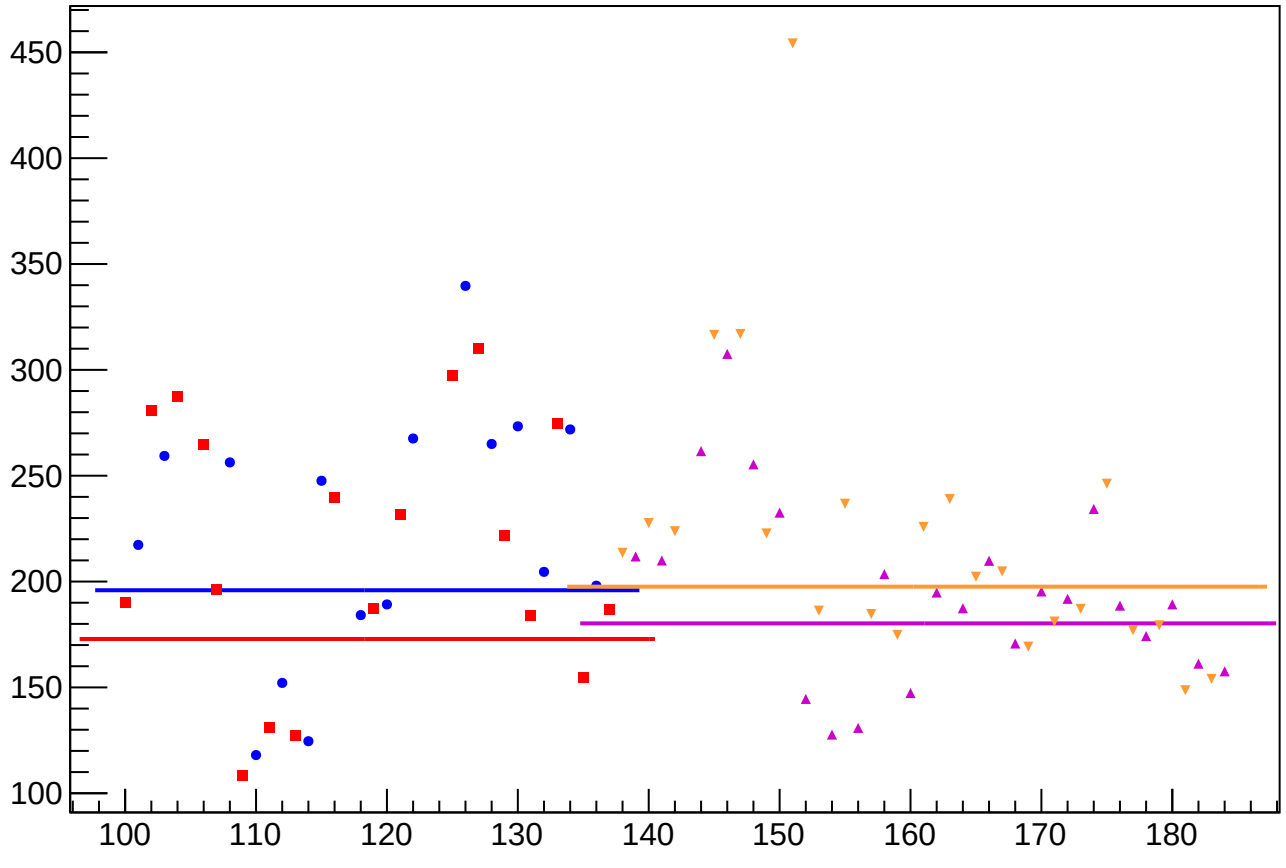
Left: 130.395+/-32.399 χ^2/NDF: 18.5/45

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 81.907+/-38.189 χ^2/NDF:27.1/38

Out: 51.902+/-39.372 χ^2/NDF:33.8/40

All: 67.362+/-27.412 χ^2/NDF: 61.1/79



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: 180.248+/-0.031 χ^2/NDF:1627777.0/22

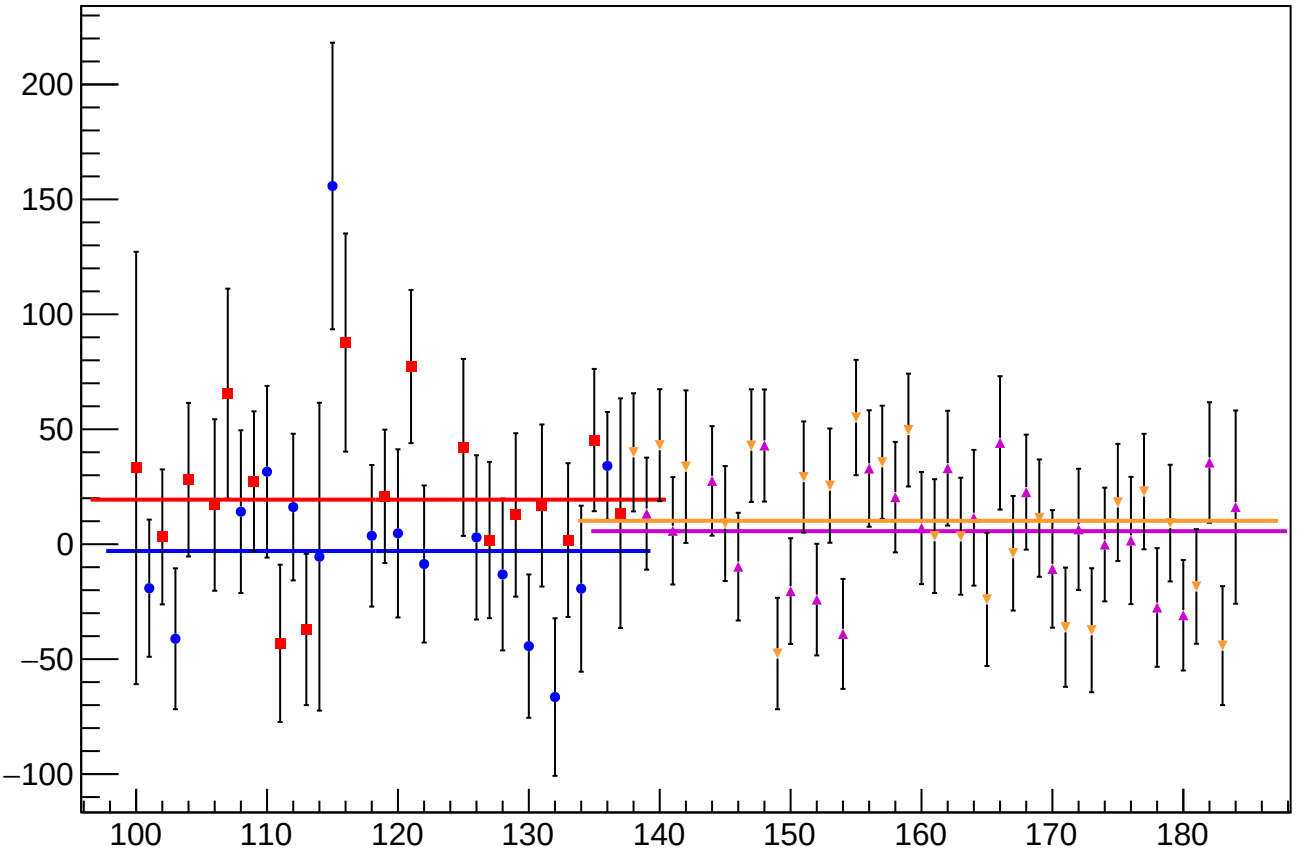
Left: 188.183+/-0.023 χ^2/NDF: 3448593.5/45

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 184.106+/-0.027 χ^2/NDF:2701192.5/38

Out: 189.577+/-0.028 χ^2/NDF:3394523.6/40

All: 186.758+/-0.019 χ^2/NDF: 6115608.6/79



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: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.905+/-3.747 χ^2/NDF: 54.4/45

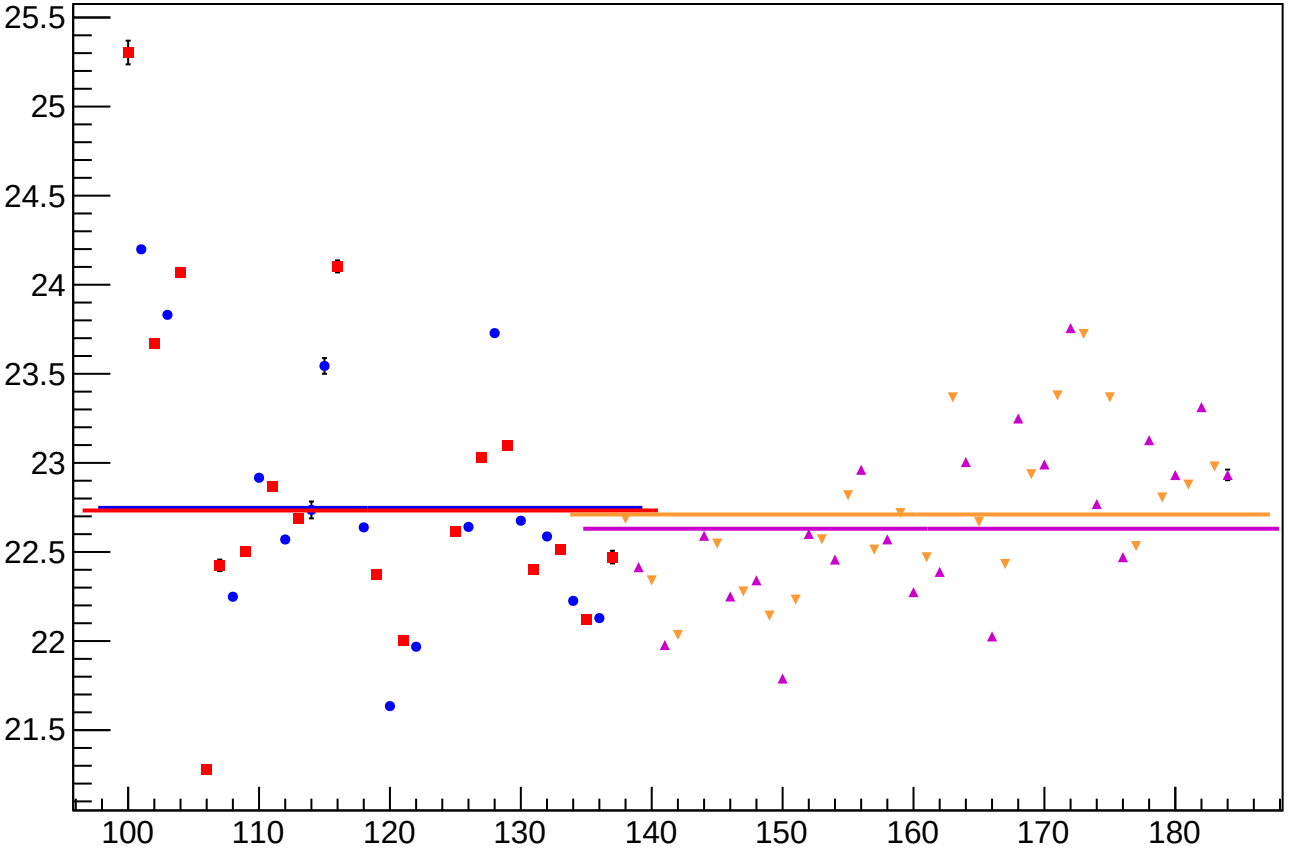
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 3.240+/-4.482 χ^2/NDF:39.5/38

Out: 12.806+/-4.486 χ^2/NDF:48.6/40

All: 8.019+/-3.171 χ^2/NDF: 90.4/79

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: 22.631+/-0.004 χ^2/NDF:15391.4/22

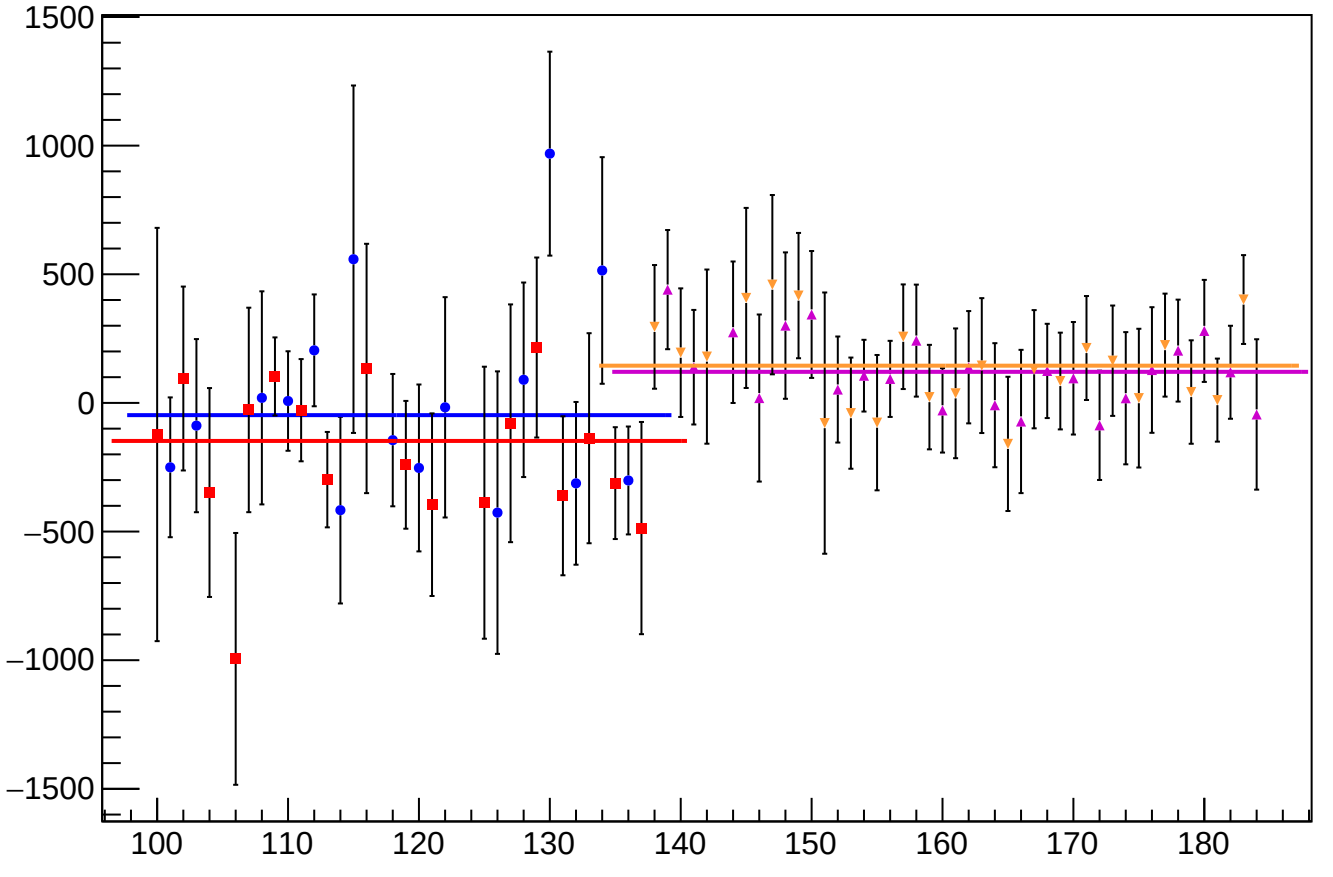
Left: 22.670+/-0.003 χ^2/NDF: 27575.3/45

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.663+/-0.003 χ^2/NDF:30289.3/38

Out: 22.717+/-0.003 χ^2/NDF:26356.0/40

All: 22.690+/-0.002 χ^2/NDF: 56787.7/79



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: 120.760+/-43.920 χ^2/NDF:7.9/22

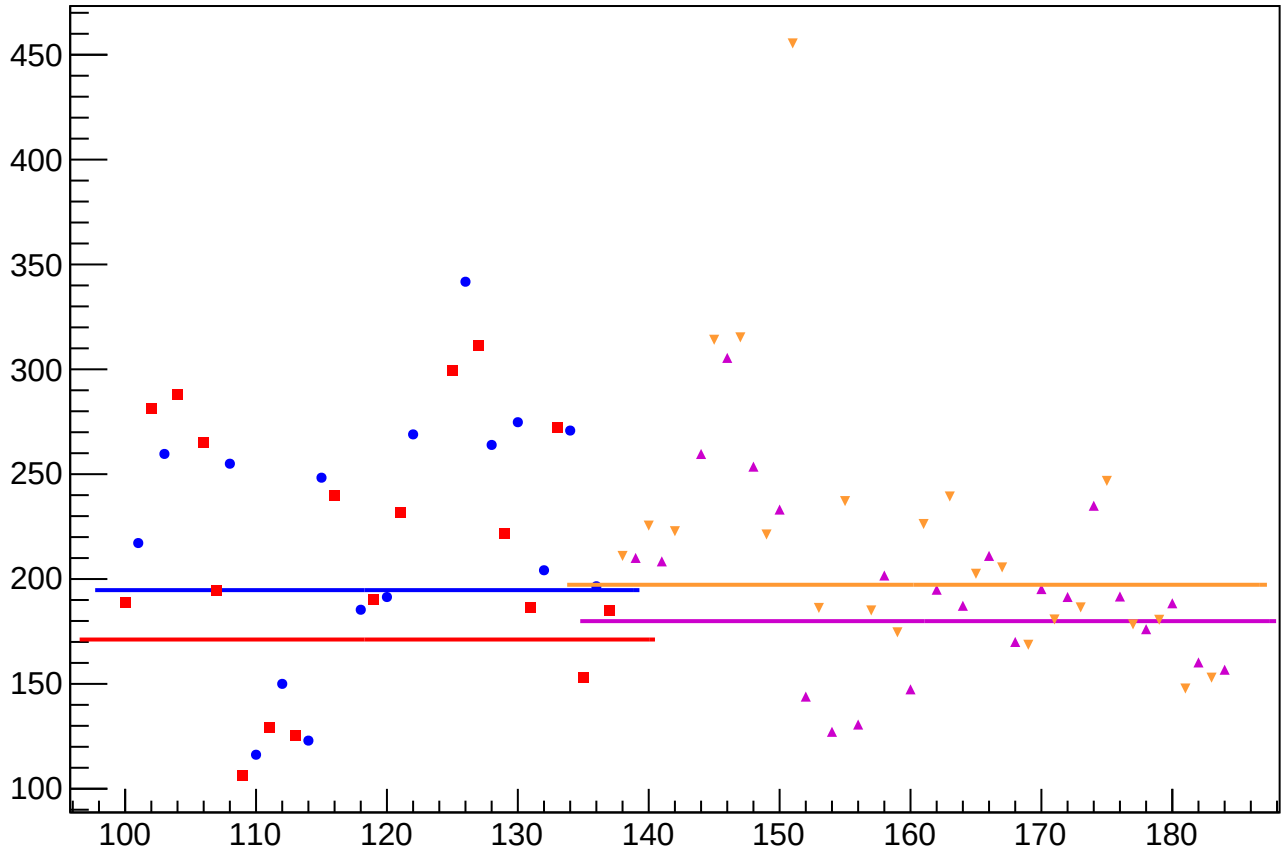
Left: 131.737+/-32.347 χ^2/NDF: 18.7/45

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 79.101+/-38.098 χ^2/NDF:26.9/38

Out: 49.192+/-39.240 χ^2/NDF:34.4/40

All: 64.588+/-27.334 χ^2/NDF: 61.7/79



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: 179.923+/-0.031 χ^2/NDF:1624144.3/22

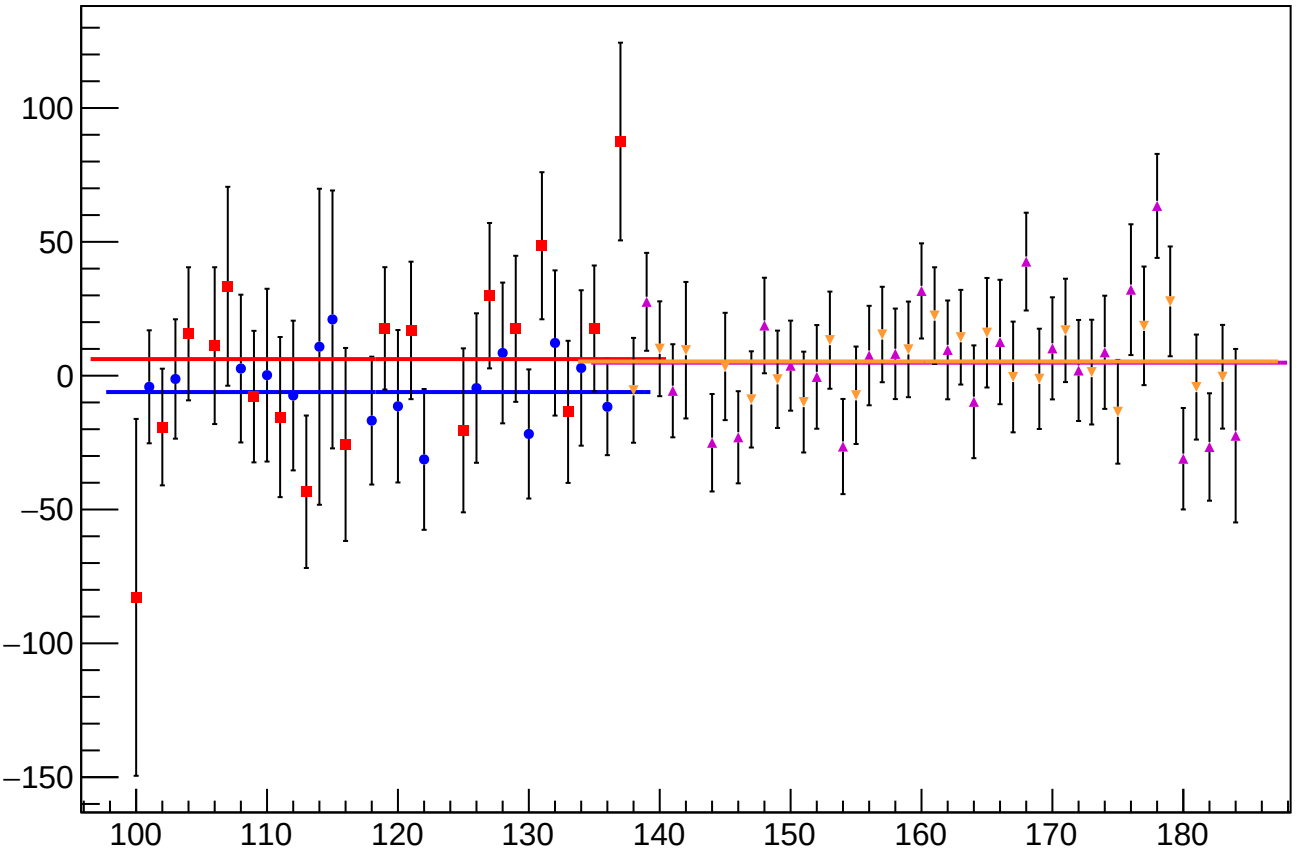
Left: 187.859+/-0.023 χ^2/NDF: 3446895.3/45

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 183.583+/-0.027 χ^2/NDF:2732536.7/38

Out: 188.738+/-0.028 χ^2/NDF:3486749.9/40

All: 186.084+/-0.019 χ^2/NDF: 6237049.6/79



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: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.085+/-2.821 χ^2/NDF: 43.3/45

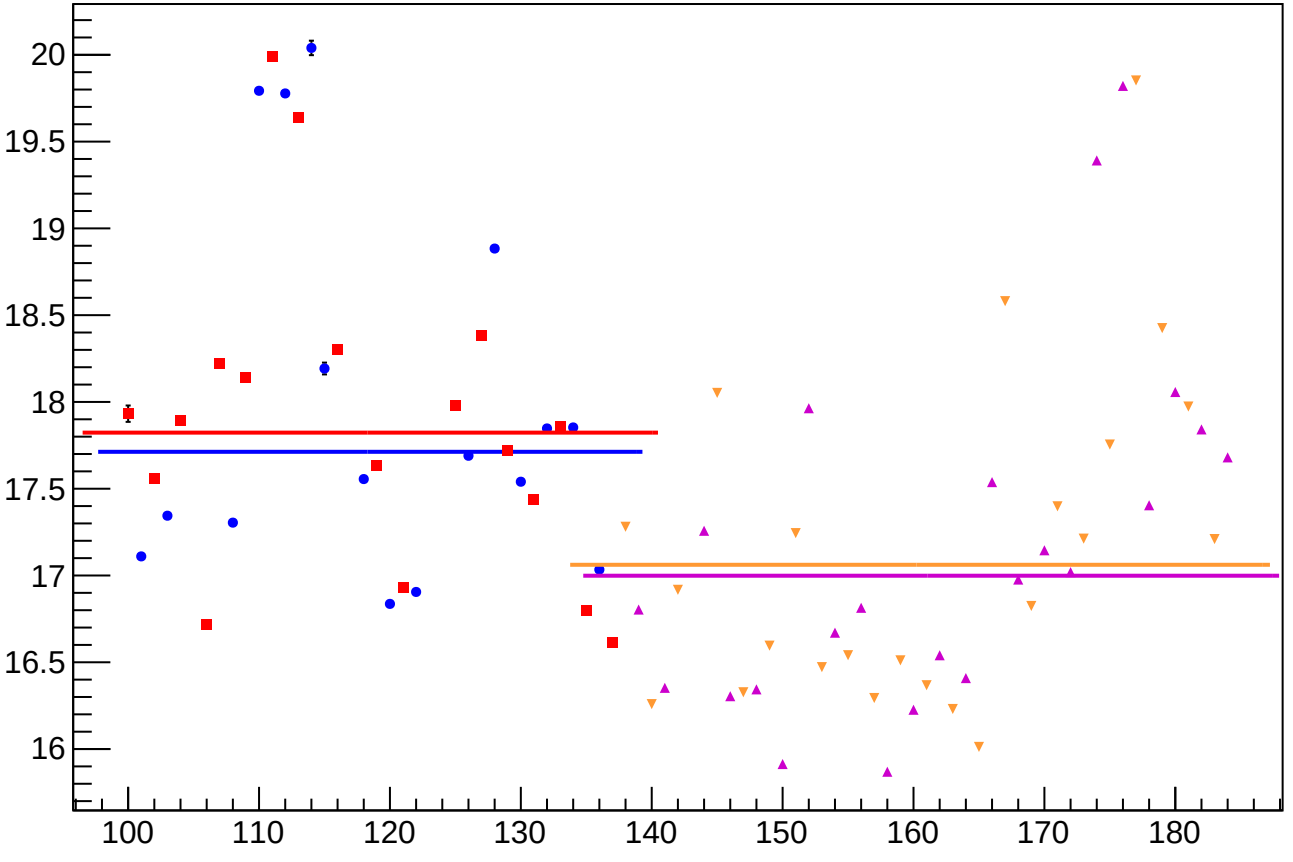
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: 1.926+/-3.407 χ^2/NDF:40.7/38

Out: 5.551+/-3.417 χ^2/NDF:26.4/40

All: 3.733+/-2.413 χ^2/NDF: 67.6/79

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: 16.999+/-0.003 χ^2/NDF:104021.0/22

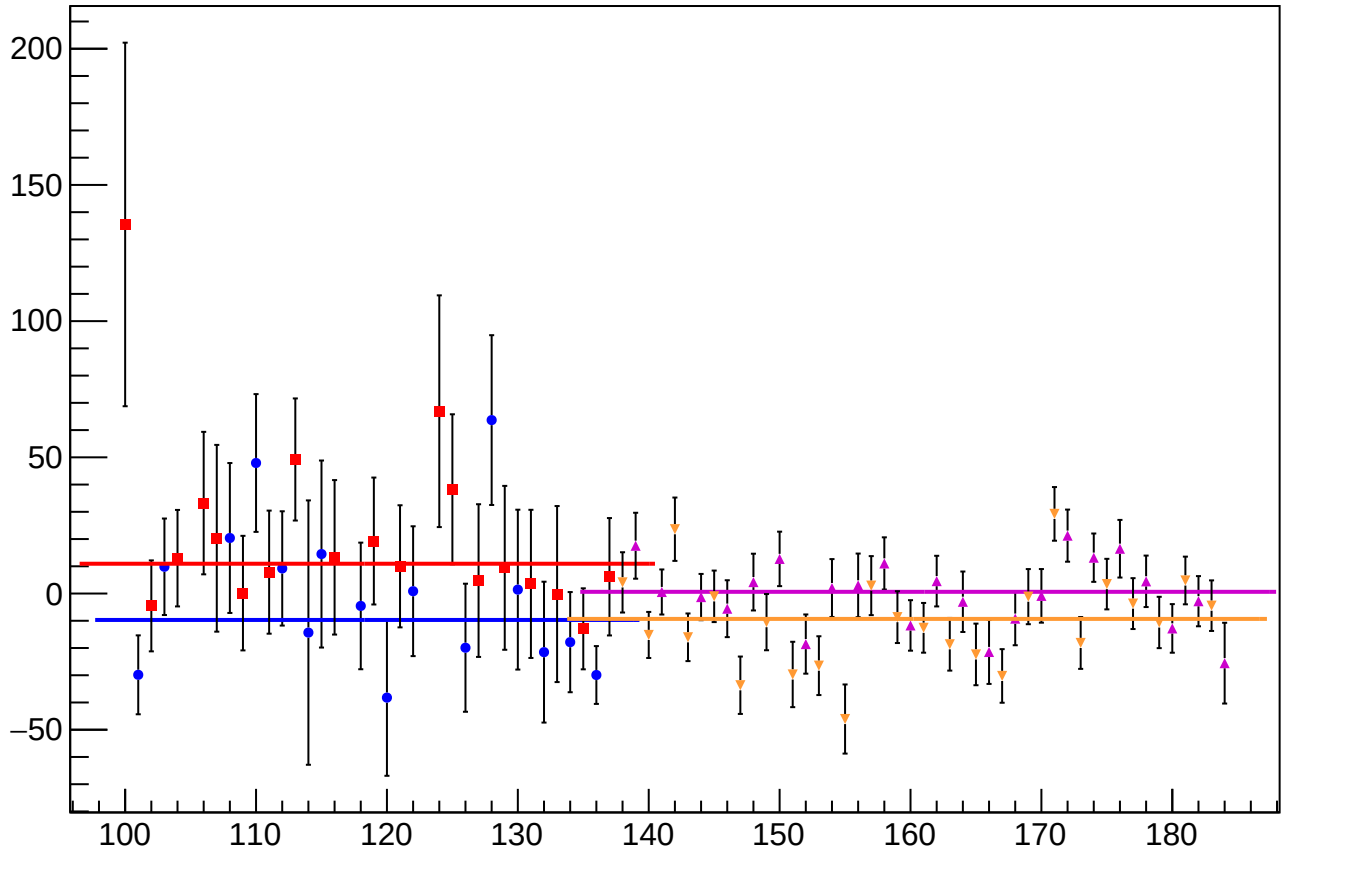
Left: 17.030+/-0.002 χ^2/NDF: 199803.1/45

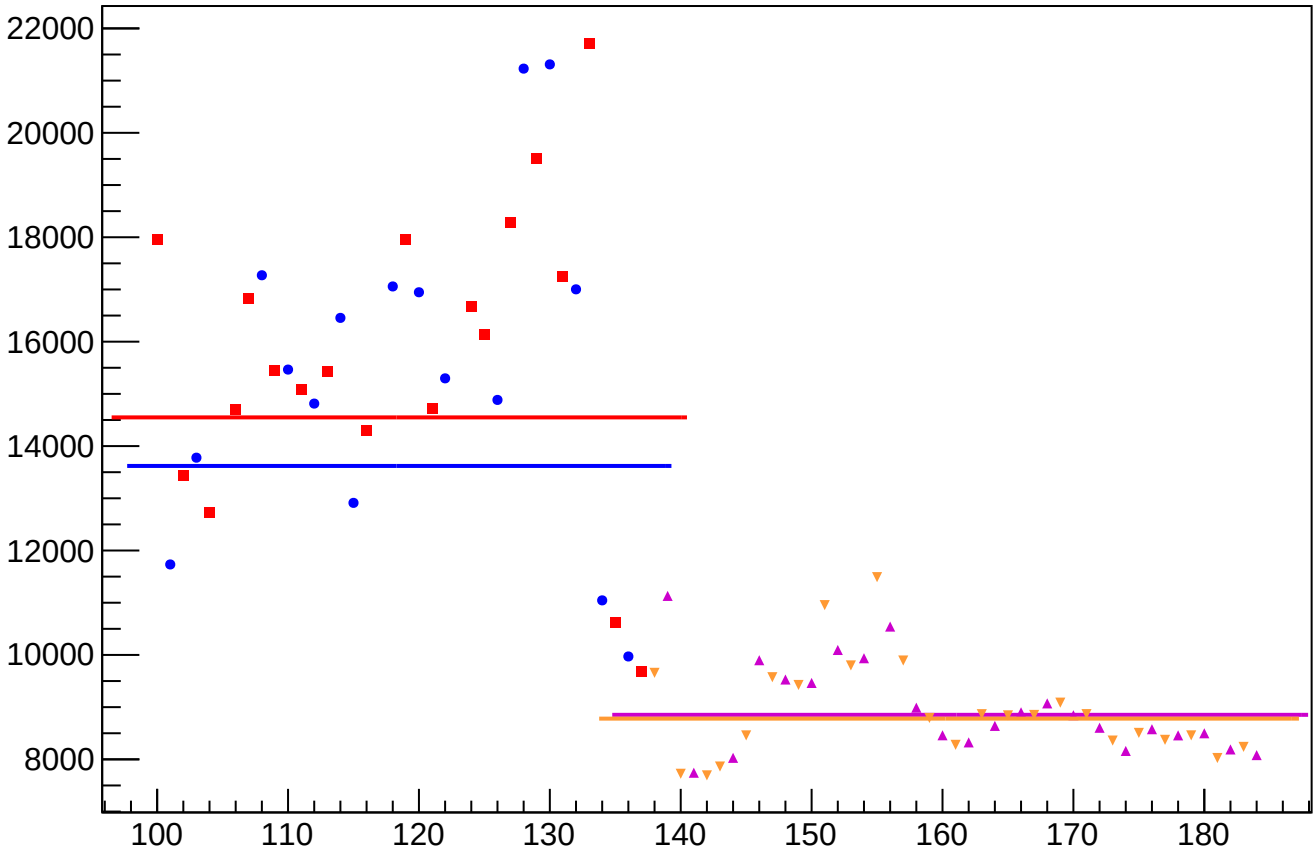
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.189+/-0.002 χ^2/NDF:157194.4/38

Out: 17.267+/-0.002 χ^2/NDF:147597.3/40

All: 17.228+/-0.002 χ^2/NDF: 305308.4/79


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: -9.317+/-2.022 χ²/NDF:60.7/23
Right Out: 10.938+/-5.436 χ²/NDF: 14.1/18
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.483+/-1.450 χ²/NDF: 101.9/46
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -0.781+/-1.932 χ²/NDF:54.9/38
Out: -6.854+/-1.895 χ²/NDF:87.0/42
All: -3.876+/-1.353 χ²/NDF: 146.9/81



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: 8852.820+/-1.470 χ^2/NDF:299860.4/22

Left: 8815.445+/-1.025 χ^2/NDF: 643322.6/46

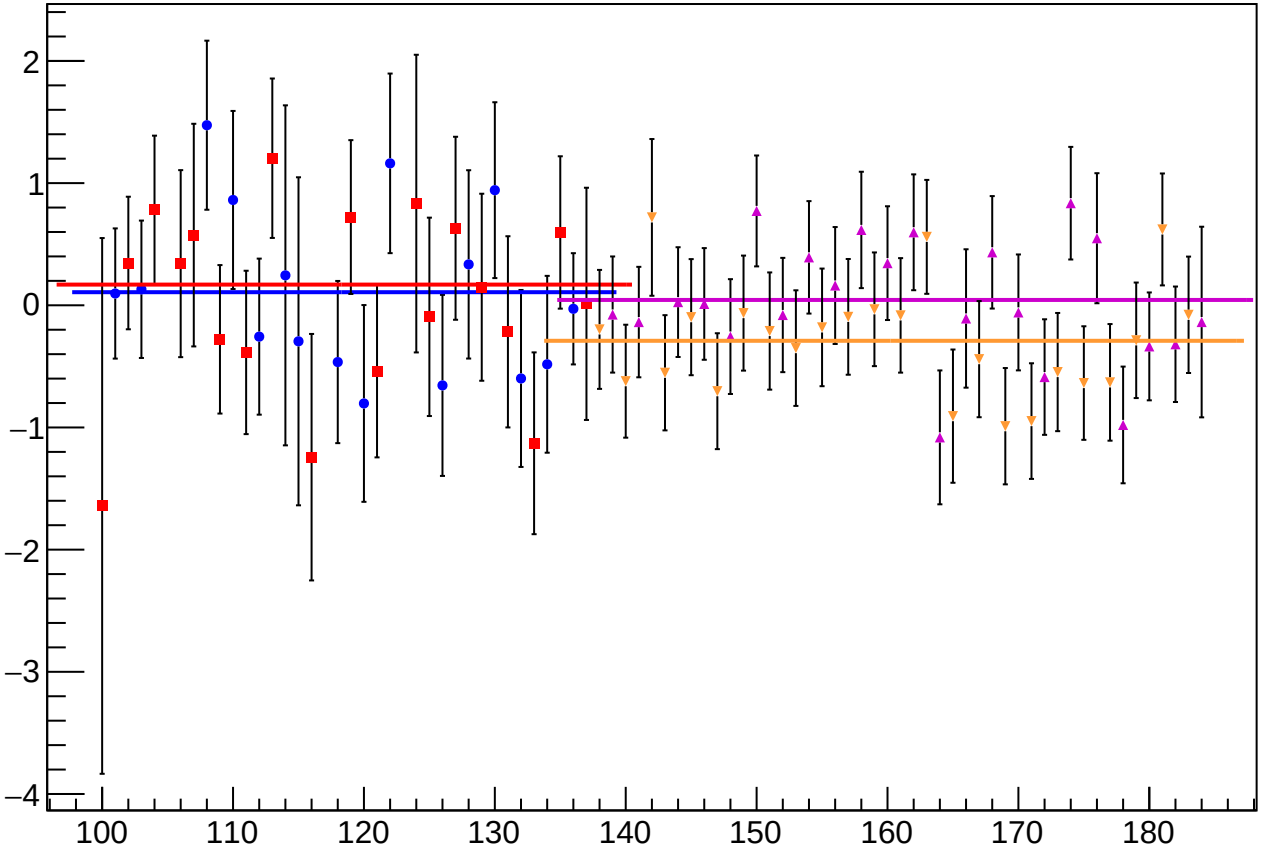
Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 9503.151+/-1.366 χ^2/NDF:2480983.4/38

Out: 9481.483+/-1.340 χ^2/NDF:2877056.7/42

All: 9492.109+/-0.957 χ^2/NDF: 5358168.4/81

diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected



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: 0.044+/-0.100 χ^2/NDF:23.8/22

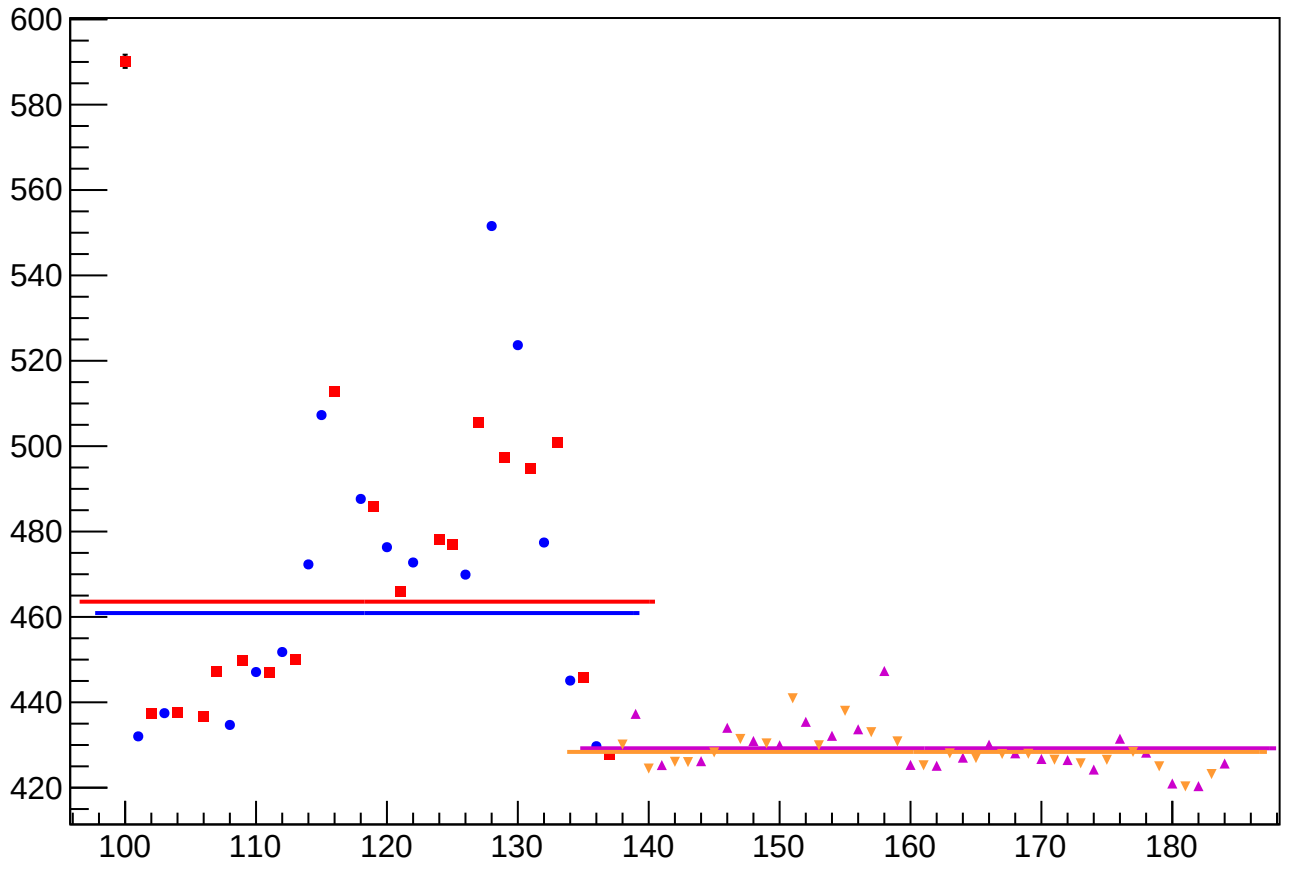
Left: -0.127+/-0.070 χ^2/NDF: 49.1/46

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.060+/-0.087 χ^2/NDF:37.6/38

Out: -0.175+/-0.085 χ^2/NDF:39.2/42

All: -0.060+/-0.061 χ^2/NDF: 80.5/81



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: 429.228+/-0.071 χ^2/NDF:6749.9/22

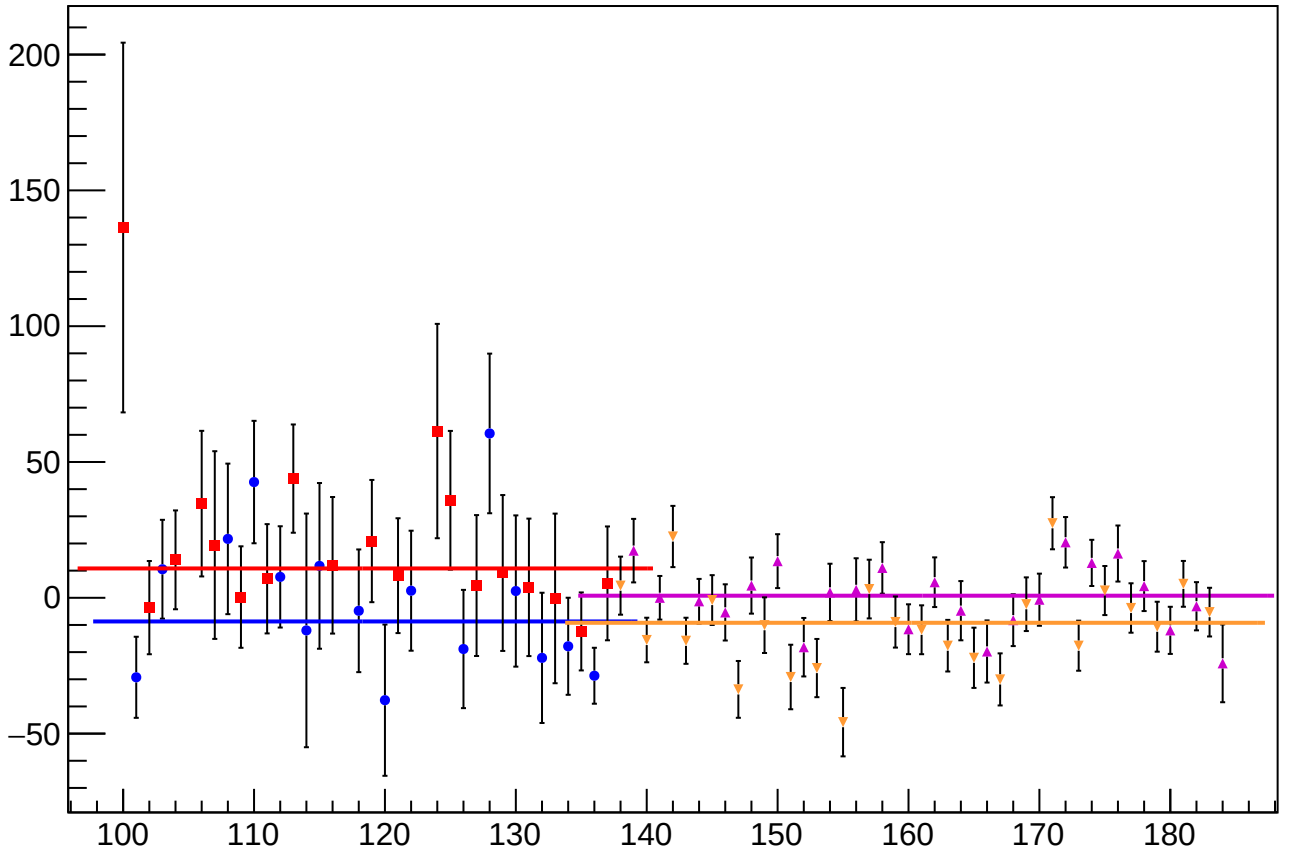
Left: 428.795+/-0.050 χ^2/NDF: 10816.9/46

Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 437.279+/-0.061 χ^2/NDF:132452.5/38

Out: 437.199+/-0.060 χ^2/NDF:120829.3/42

All: 437.238+/-0.043 χ^2/NDF: 253282.6/81



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: 0.773+/-2.034 χ^2/NDF:29.3/22

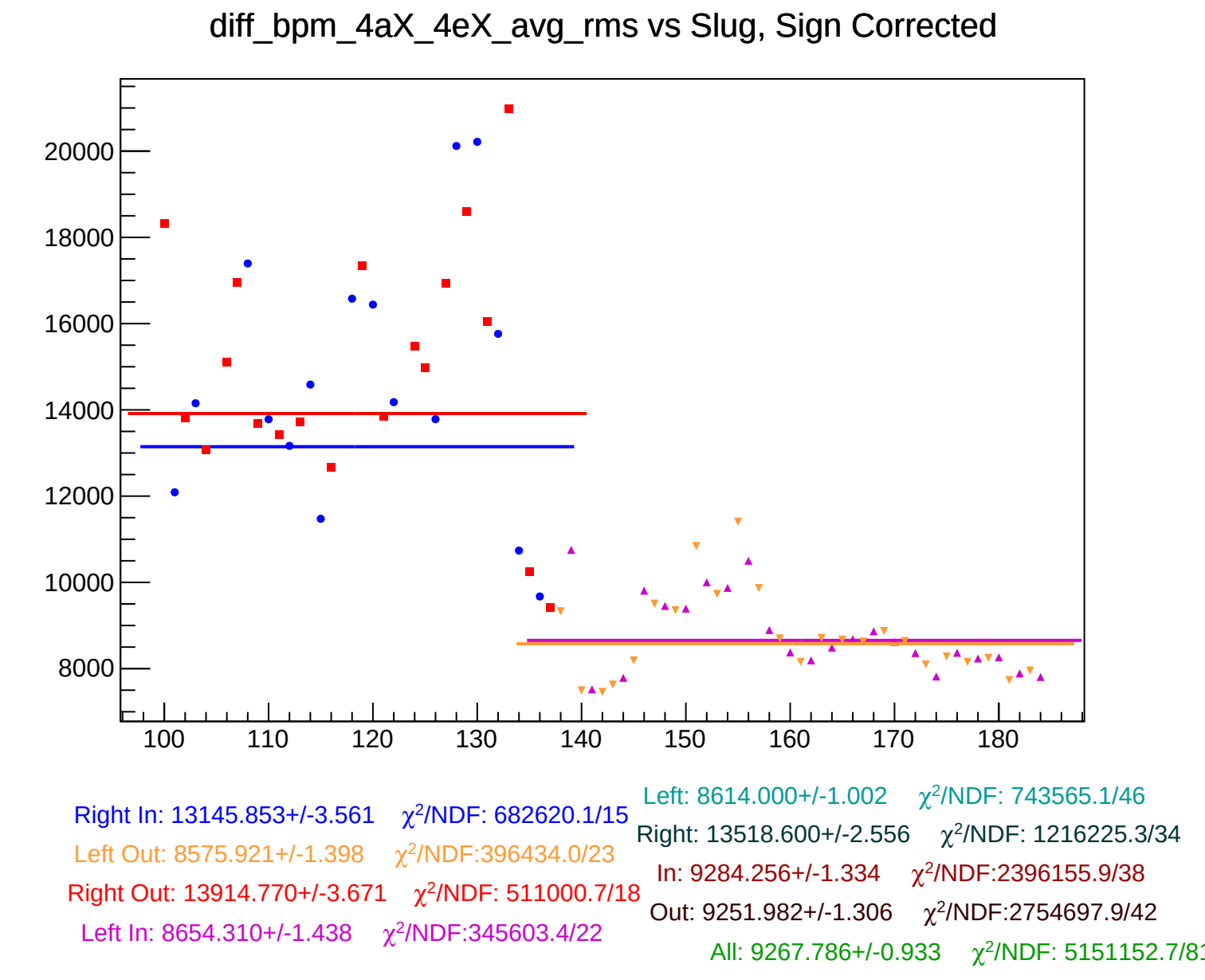
Left: -4.356+/-1.418 χ^2/NDF: 101.8/46

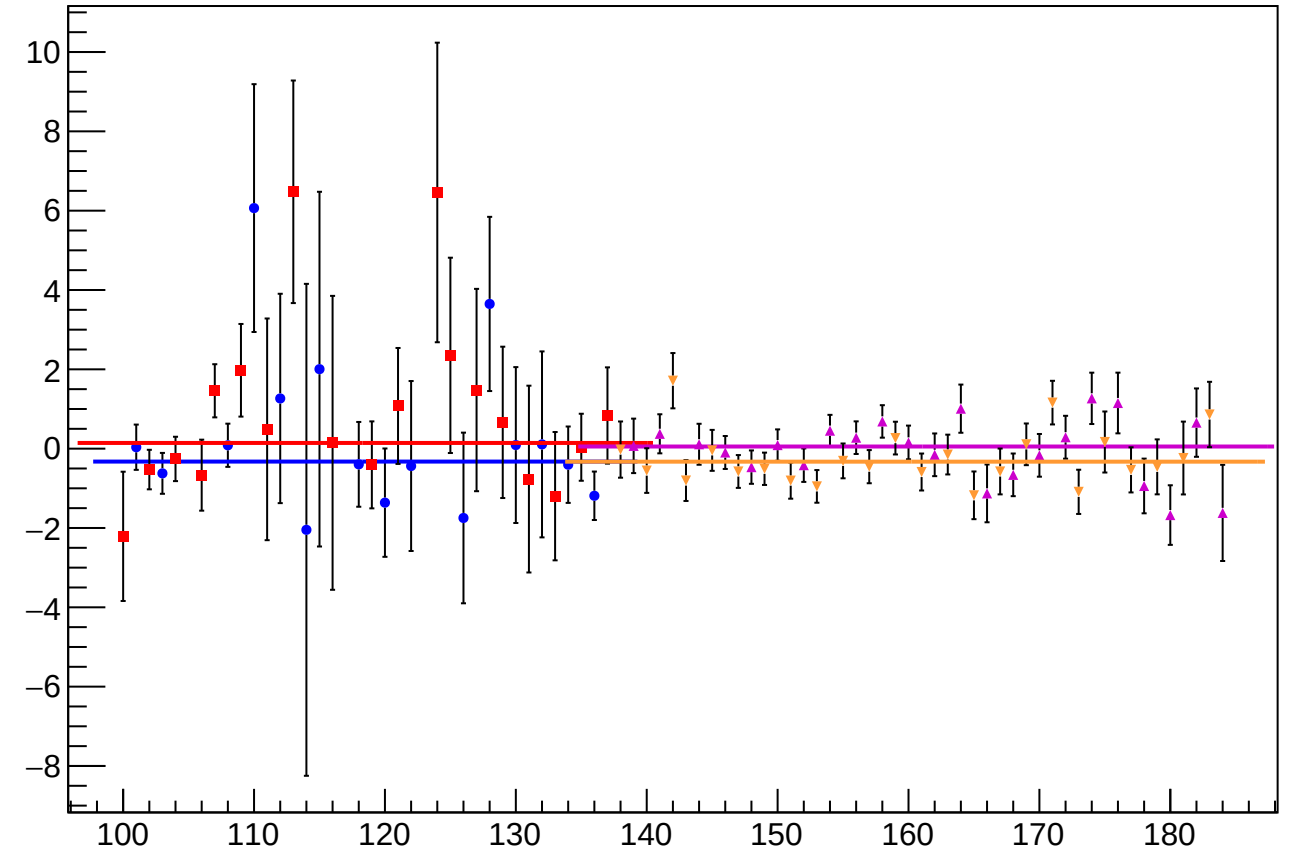
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -0.557+/-1.886 χ^2/NDF:54.6/38

Out: -6.667+/-1.847 χ^2/NDF:87.0/42

All: -3.675+/-1.320 χ^2/NDF: 147.0/81


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: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8614.000+/-1.002 χ²/NDF: 743565.1/46
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 9284.256+/-1.334 χ²/NDF:2396155.9/38
Out: 9251.982+/-1.306 χ²/NDF:2754697.9/42
All: 9267.786+/-0.933 χ²/NDF: 5151152.7/81



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: 0.054+/-0.108 χ^2/NDF:29.8/22

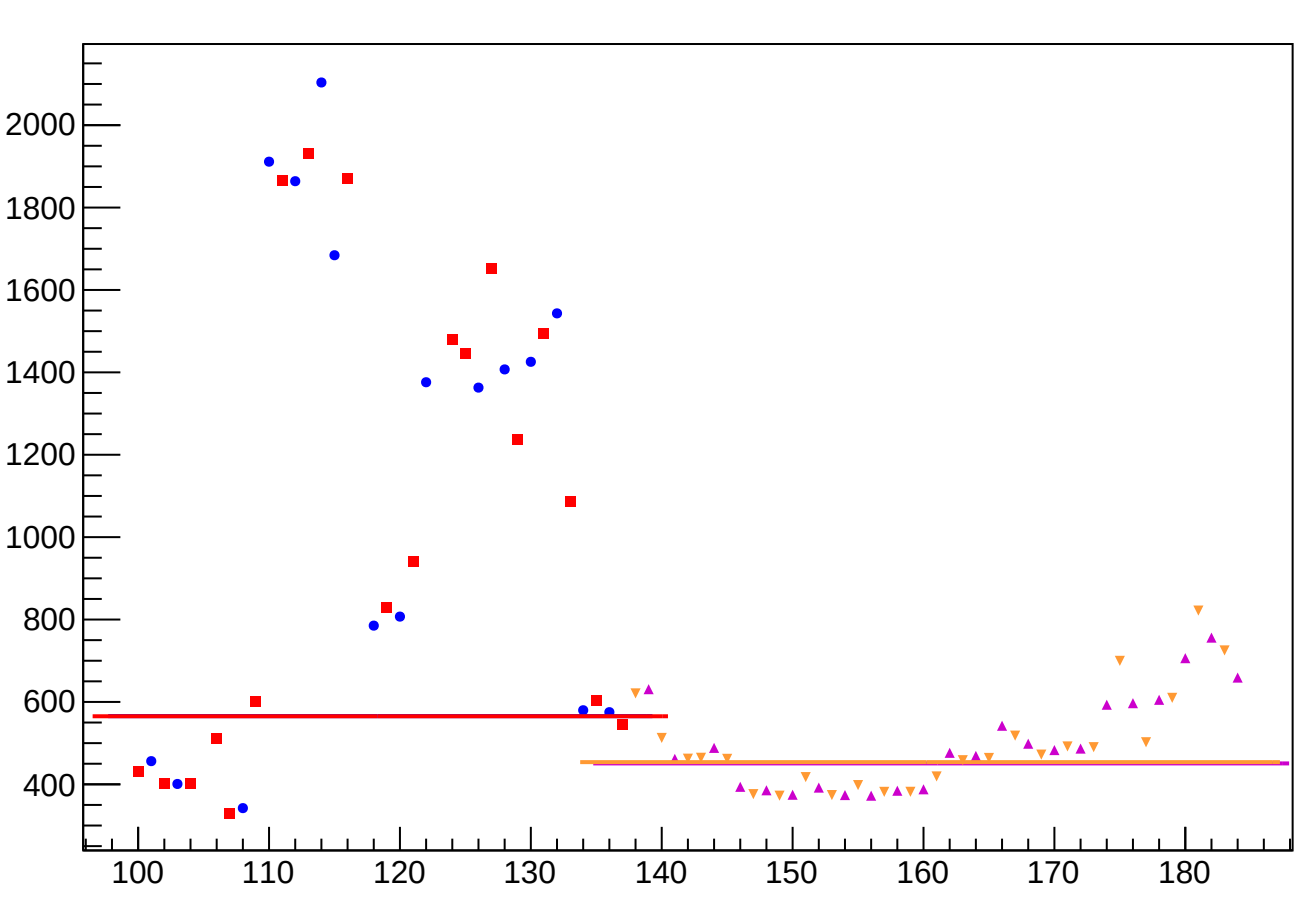
Left: -0.140+/-0.076 χ^2/NDF: 67.5/46

Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.008+/-0.099 χ^2/NDF:44.4/38

Out: -0.253+/-0.098 χ^2/NDF:57.0/42

All: -0.132+/-0.069 χ^2/NDF: 104.4/81



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: 450.767+/-0.076 χ^2/NDF:1471497.9/22

Left: 452.358+/-0.054 χ^2/NDF: 2912910.6/46

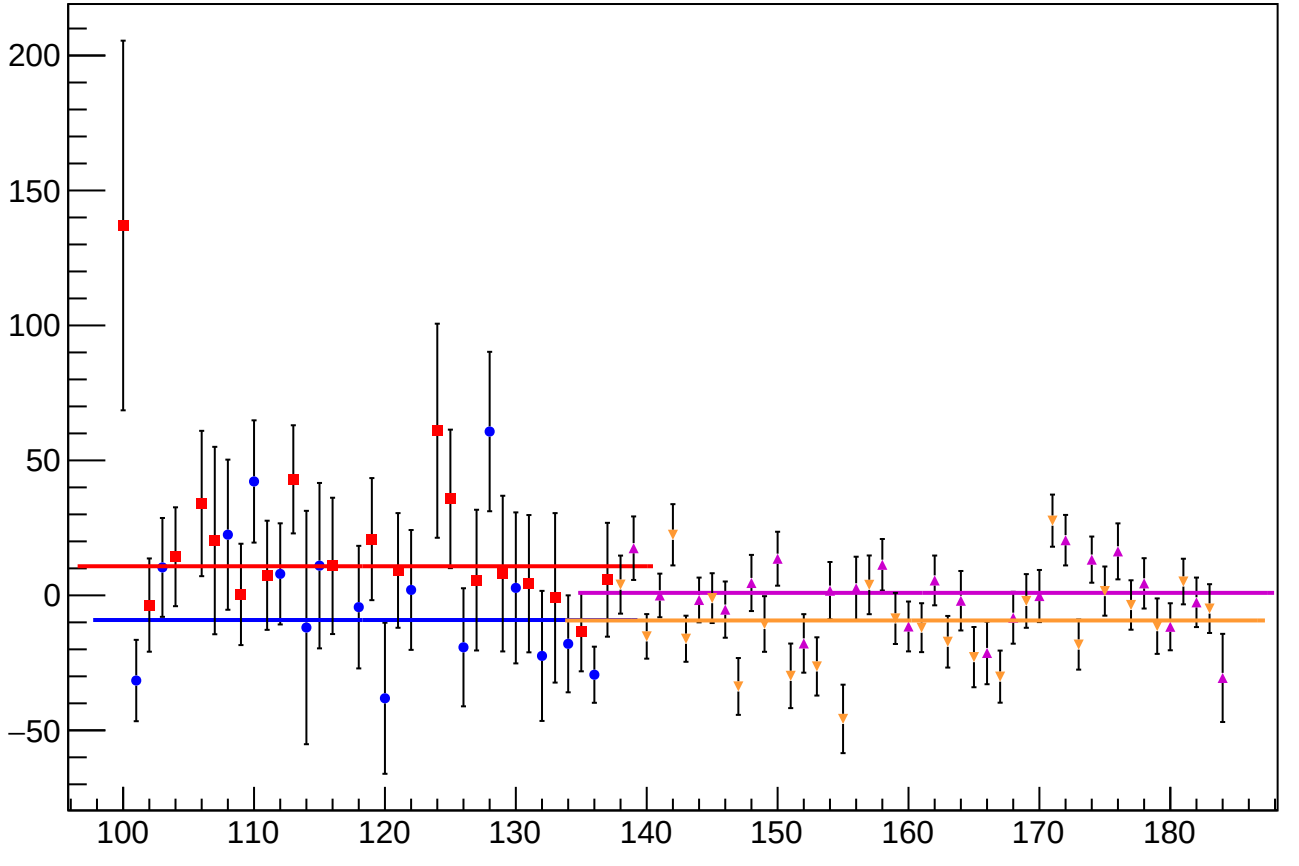
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 469.591+/-0.070 χ^2/NDF:5291523.3/38

Out: 471.678+/-0.069 χ^2/NDF:5360952.1/42

All: 470.648+/-0.049 χ^2/NDF: 10652926.4/81

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: 0.925+/-2.056 χ^2/NDF:29.9/22

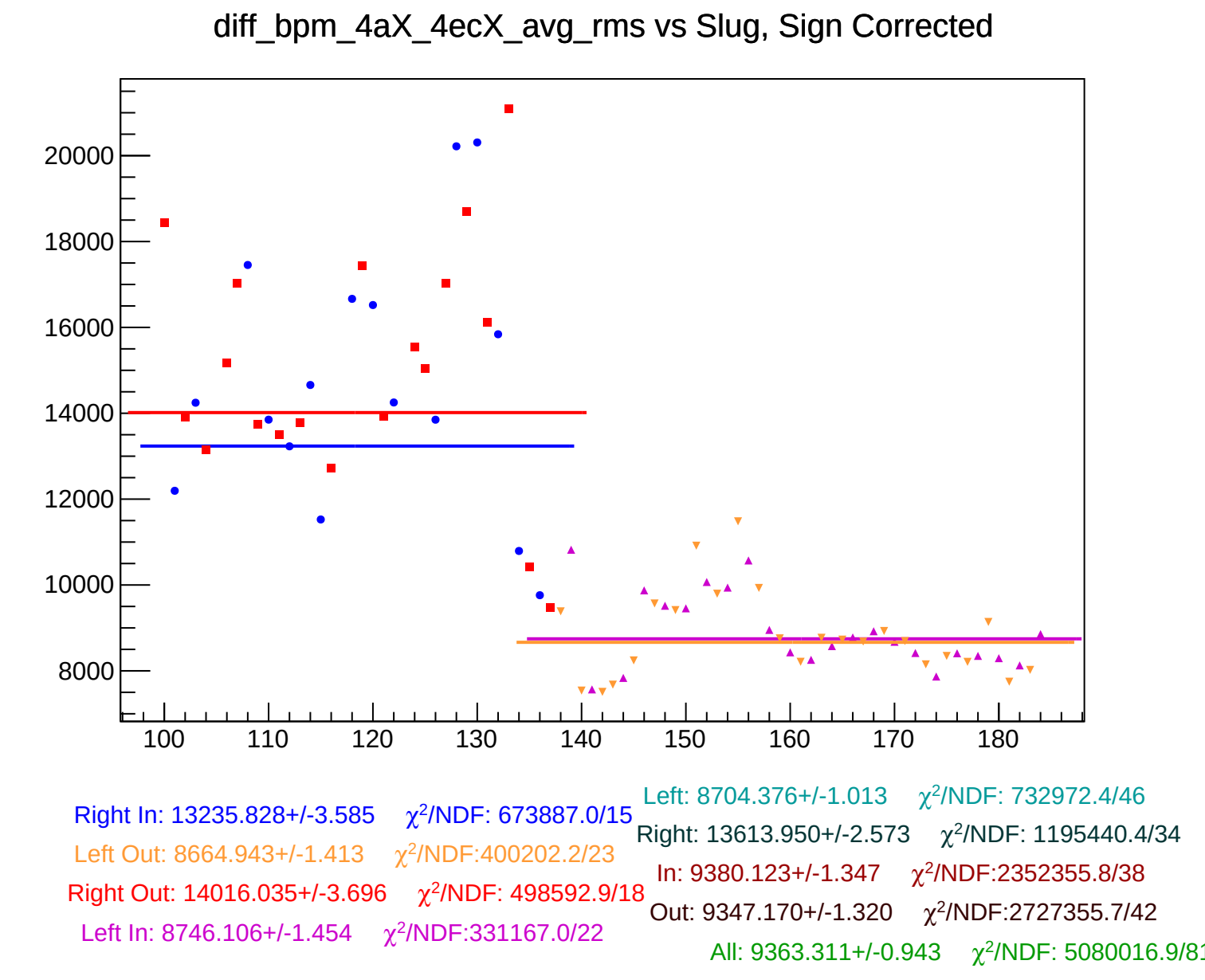
Left: -4.332+/-1.433 χ^2/NDF: 102.5/46

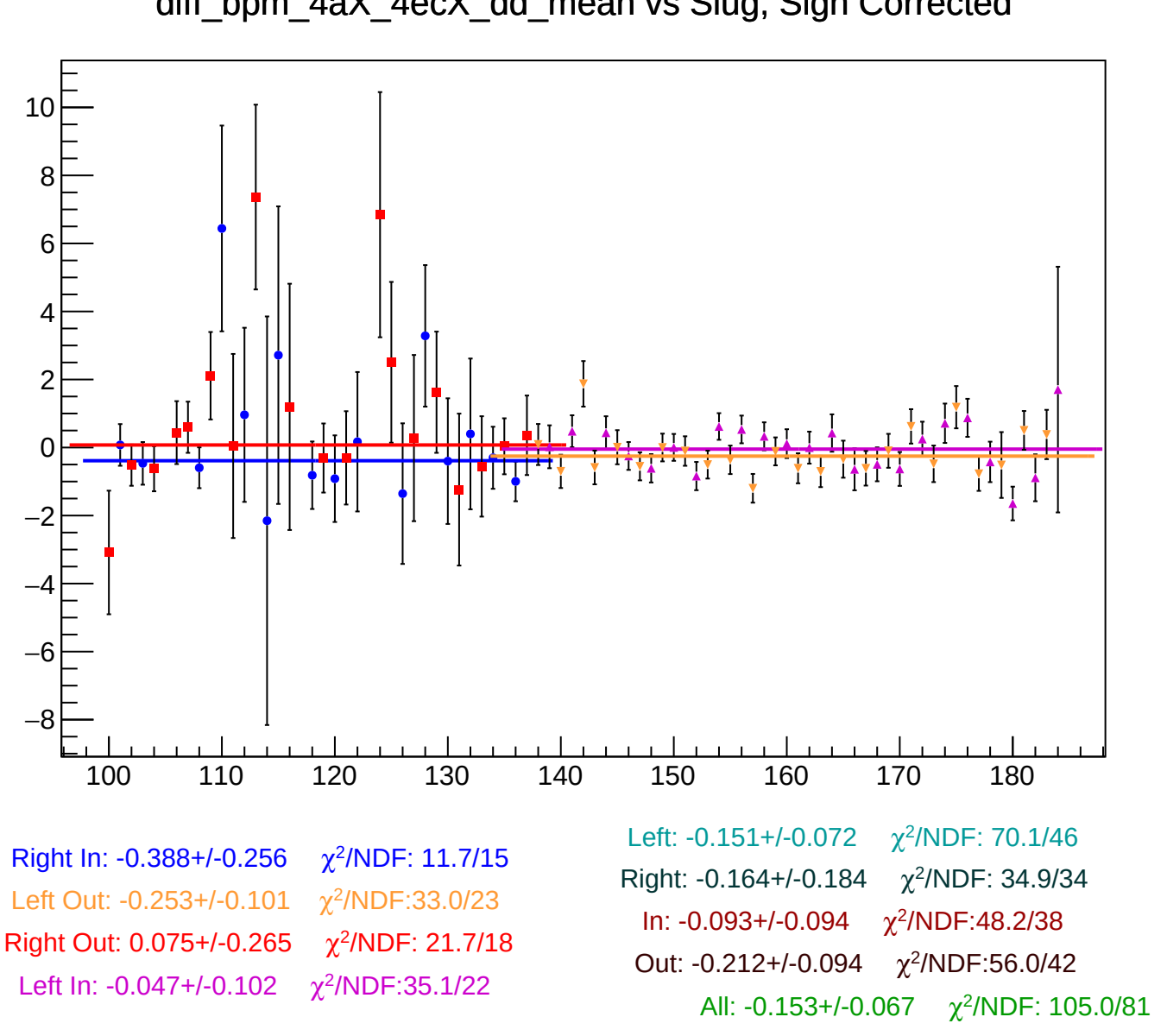
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: -0.495+/-1.905 χ^2/NDF:56.0/38

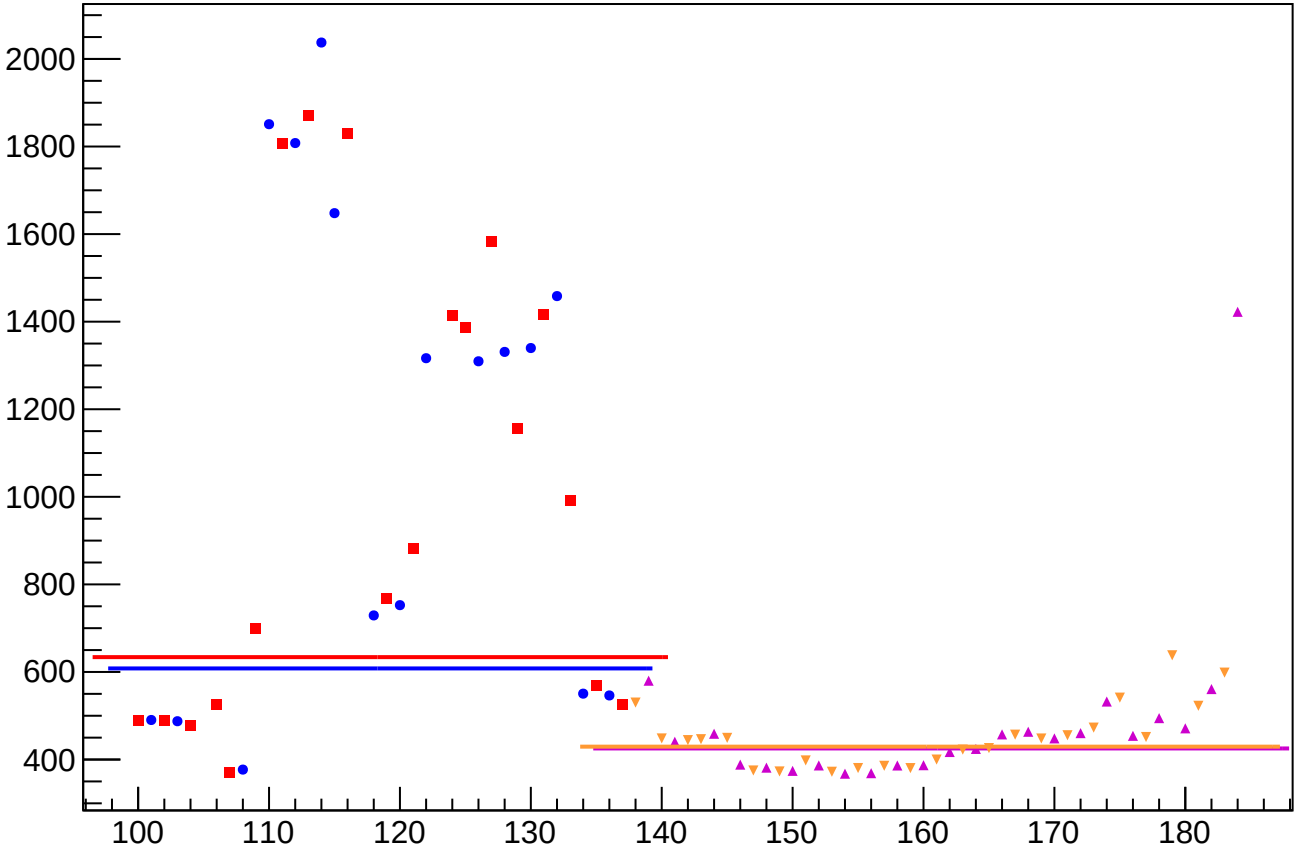
Out: -6.738+/-1.867 χ^2/NDF:86.5/42

All: -3.680+/-1.333 χ^2/NDF: 148.0/81


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: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8704.376+/-1.013 χ²/NDF: 732972.4/46
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9380.123+/-1.347 χ²/NDF:2352355.8/38
Out: 9347.170+/-1.320 χ²/NDF:2727355.7/42
All: 9363.311+/-0.943 χ²/NDF: 5080016.9/81


diff_bpm_4aX_4ecX_dd_mean vs Slug, Sign Corrected
10
8
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
Right In: -0.388+/-0.256 χ²/NDF: 11.7/15
Left Out: -0.253+/-0.101 χ²/NDF:33.0/23
Right Out: 0.075+/-0.265 χ²/NDF: 21.7/18
Left In: -0.047+/-0.102 χ²/NDF:35.1/22
Left: -0.151+/-0.072 χ²/NDF: 70.1/46
Right: -0.164+/-0.184 χ²/NDF: 34.9/34
In: -0.093+/-0.094 χ²/NDF:48.2/38
Out: -0.212+/-0.094 χ²/NDF:56.0/42
All: -0.153+/-0.067 χ²/NDF: 105.0/81

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: 425.312+/-0.072 χ^2/NDF:716953.2/22

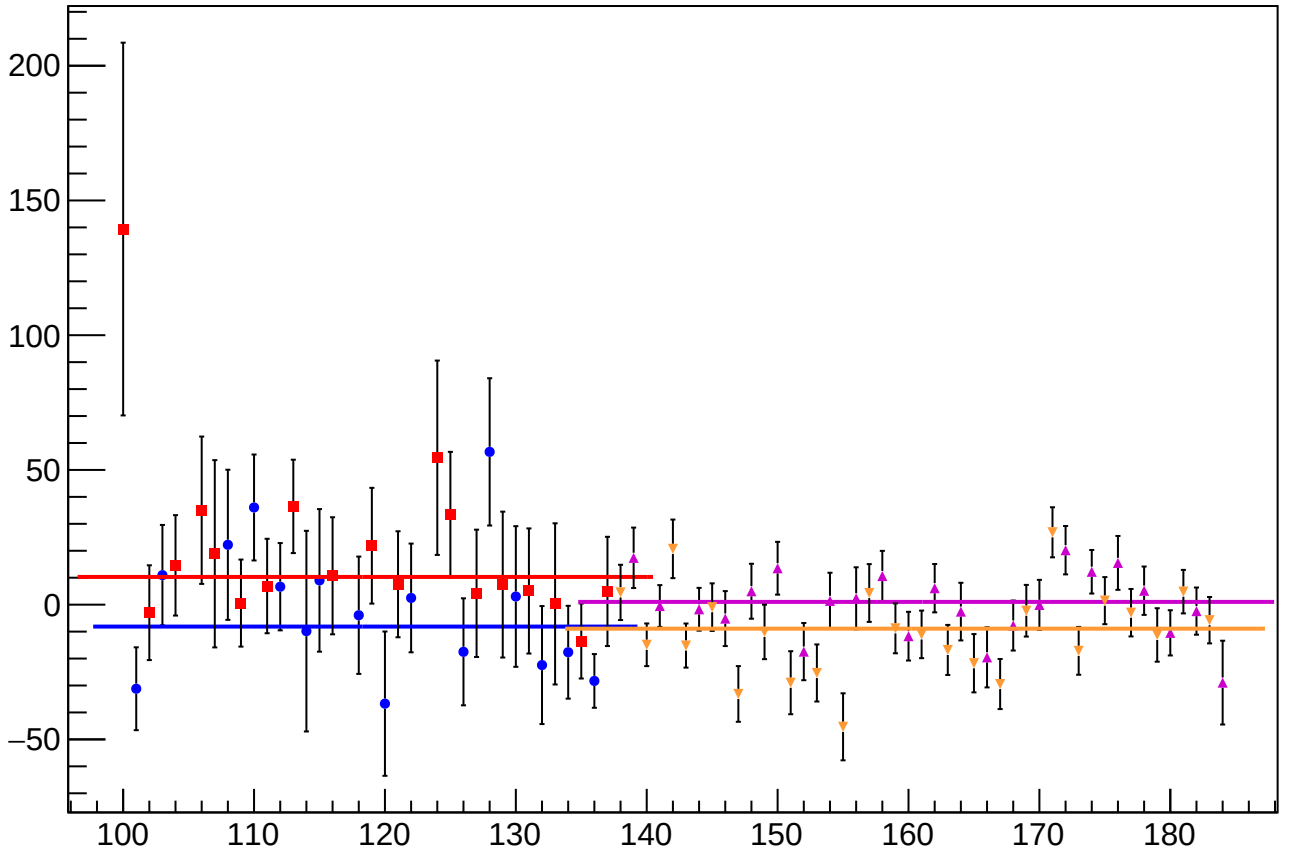
Left: 427.393+/-0.051 χ^2/NDF: 1344350.6/46

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 450.223+/-0.067 χ^2/NDF:4452018.8/38

Out: 455.295+/-0.067 χ^2/NDF:4457801.9/42

All: 452.768+/-0.047 χ^2/NDF: 8912716.7/81



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: 1.027+/-1.987 χ^2/NDF:29.8/22

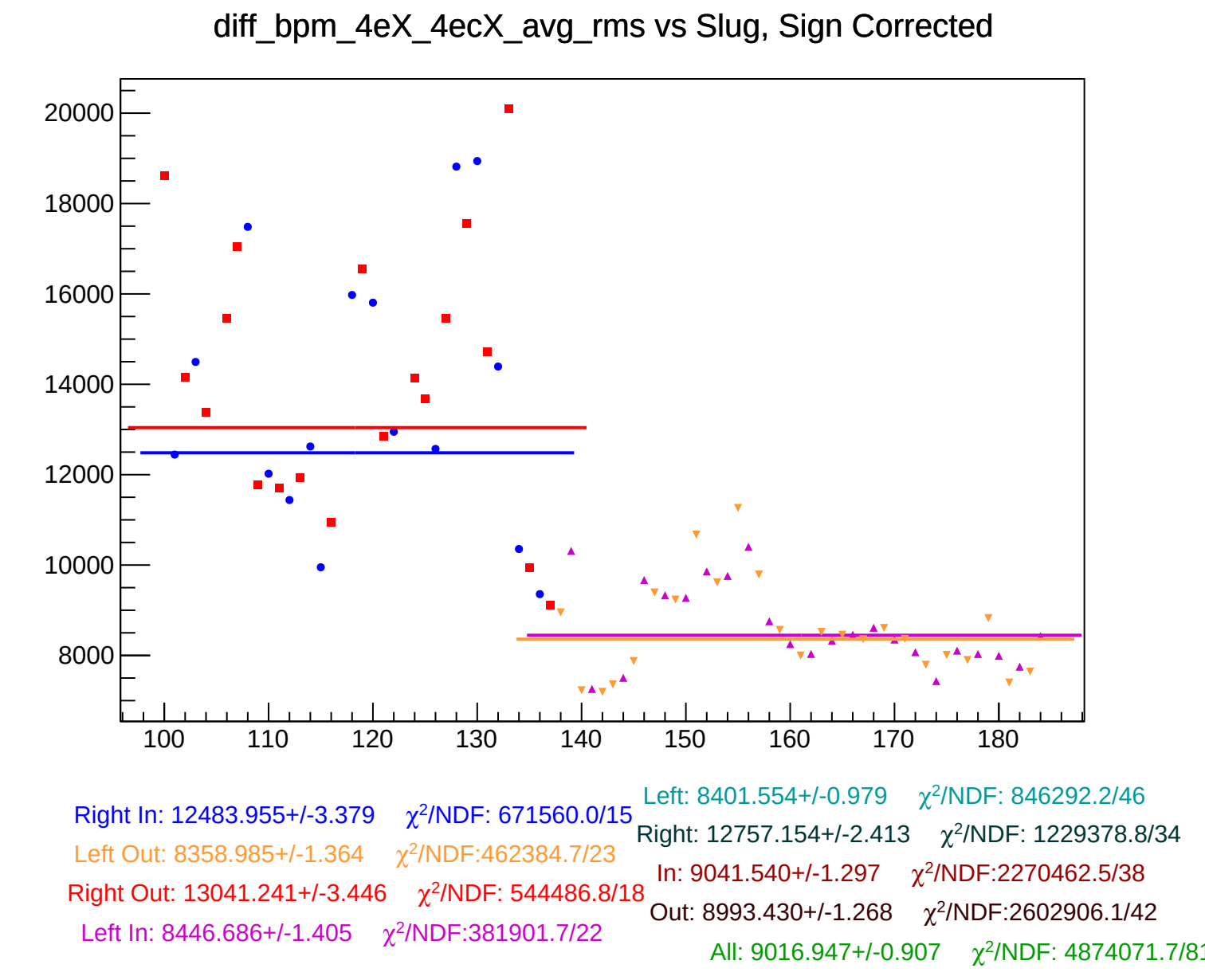
Left: -4.088+/-1.384 χ^2/NDF: 102.9/46

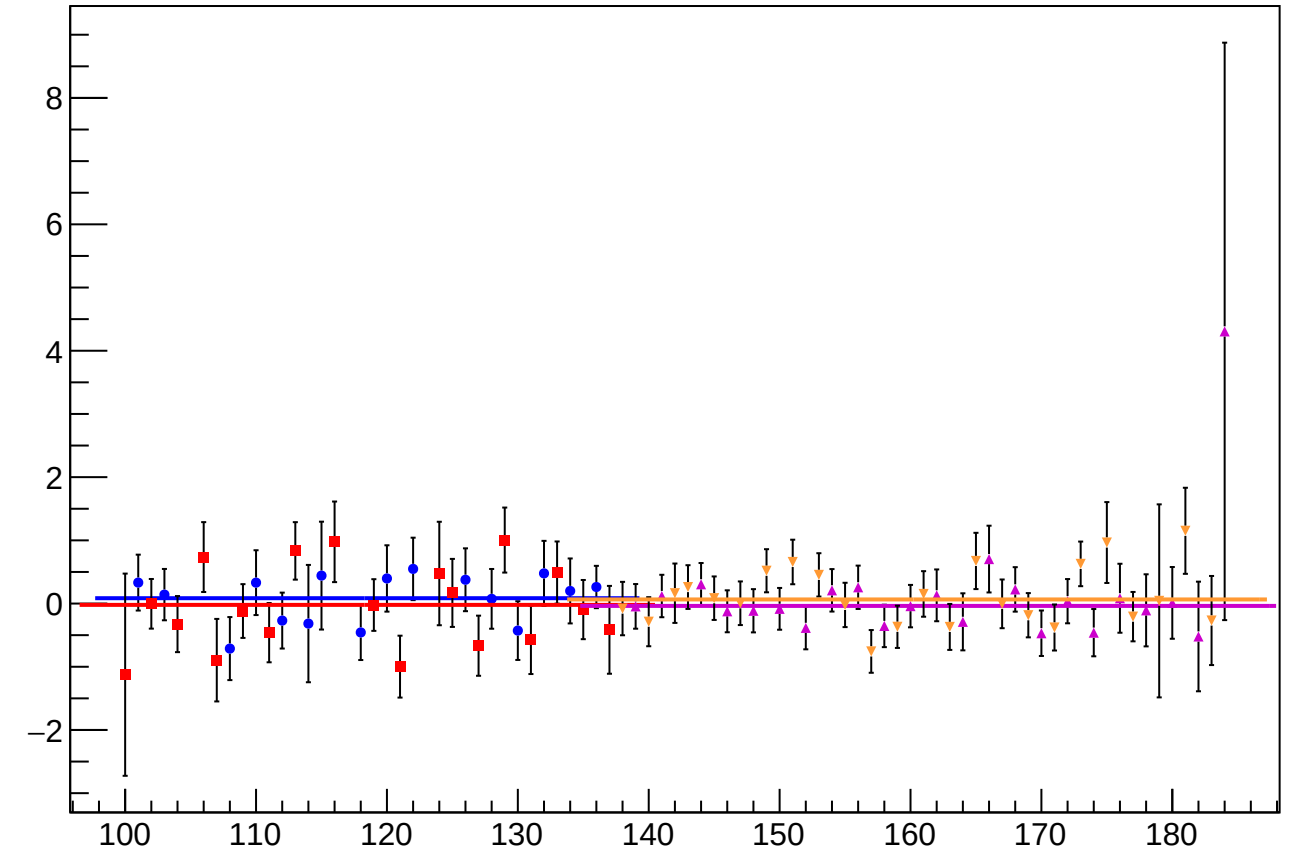
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -0.322+/-1.834 χ^2/NDF:56.0/38

Out: -6.310+/-1.794 χ^2/NDF:87.4/42

All: -3.383+/-1.283 χ^2/NDF: 148.9/81


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: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8401.554+/-0.979 χ²/NDF: 846292.2/46
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9041.540+/-1.297 χ²/NDF:2270462.5/38
Out: 8993.430+/-1.268 χ²/NDF:2602906.1/42
All: 9016.947+/-0.907 χ²/NDF: 4874071.7/81



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: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.015+/-0.057 χ^2/NDF: 40.5/46

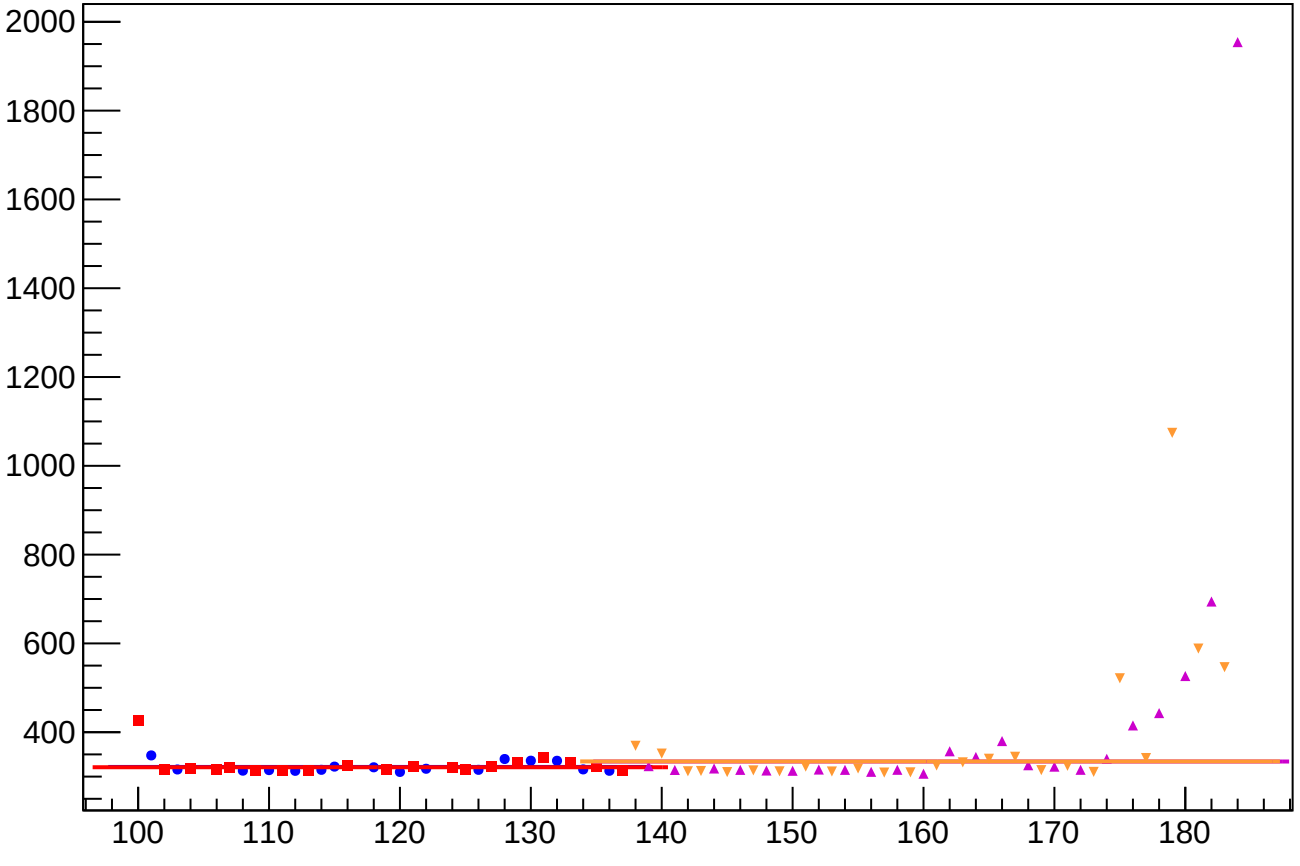
Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.001+/-0.067 χ^2/NDF:21.7/38

Out: 0.038+/-0.066 χ^2/NDF:52.7/42

All: 0.020+/-0.047 χ^2/NDF: 74.6/81

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: 333.979+/-0.057 χ^2/NDF:1050984.2/22

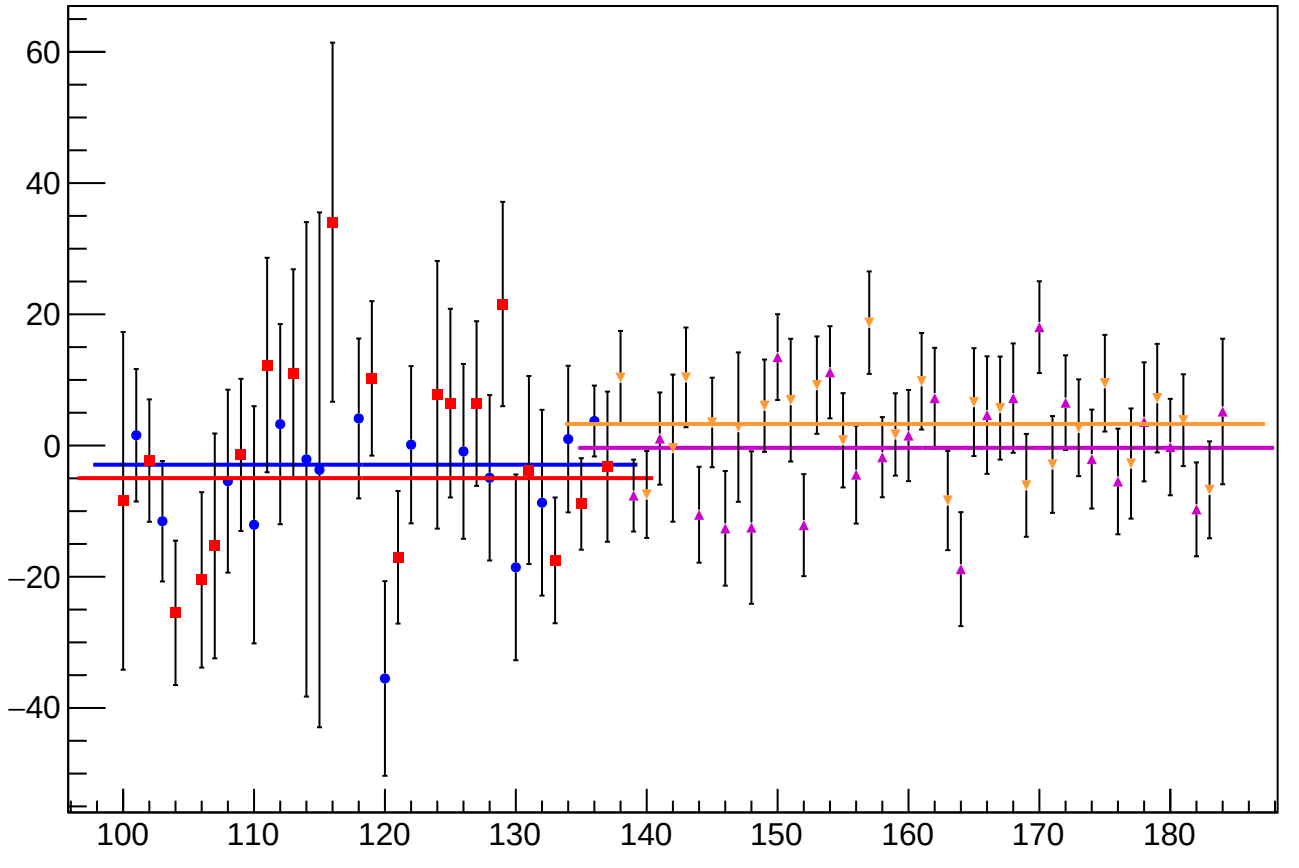
Left: 334.091+/-0.040 χ^2/NDF: 2265026.9/46

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 330.157+/-0.047 χ^2/NDF:1083505.8/38

Out: 330.067+/-0.047 χ^2/NDF:1247655.4/42

All: 330.111+/-0.033 χ^2/NDF: 2331163.0/81



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: -0.351+/-1.568 χ^2/NDF:33.8/22

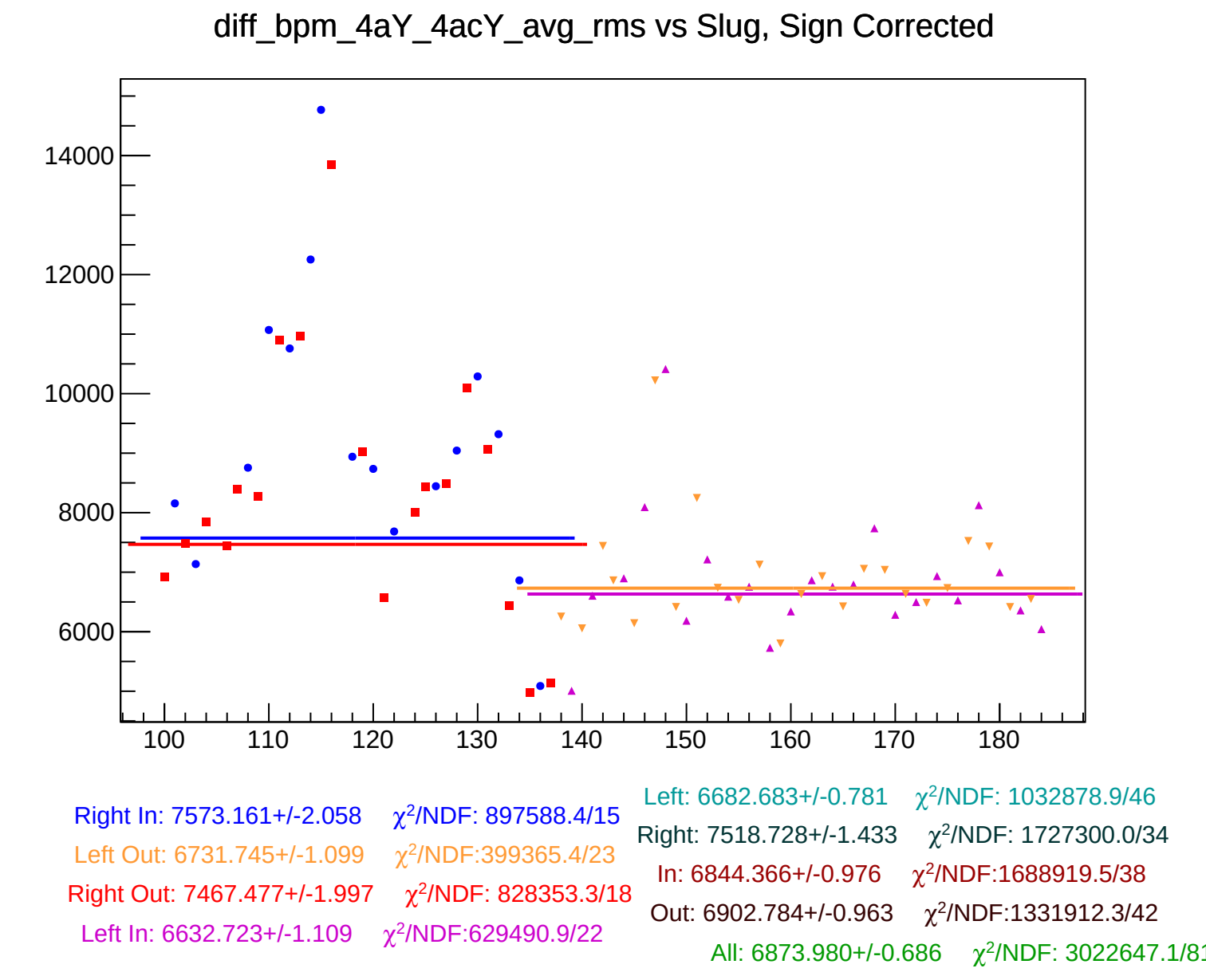
Left: 1.485+/-1.104 χ^2/NDF: 55.0/46

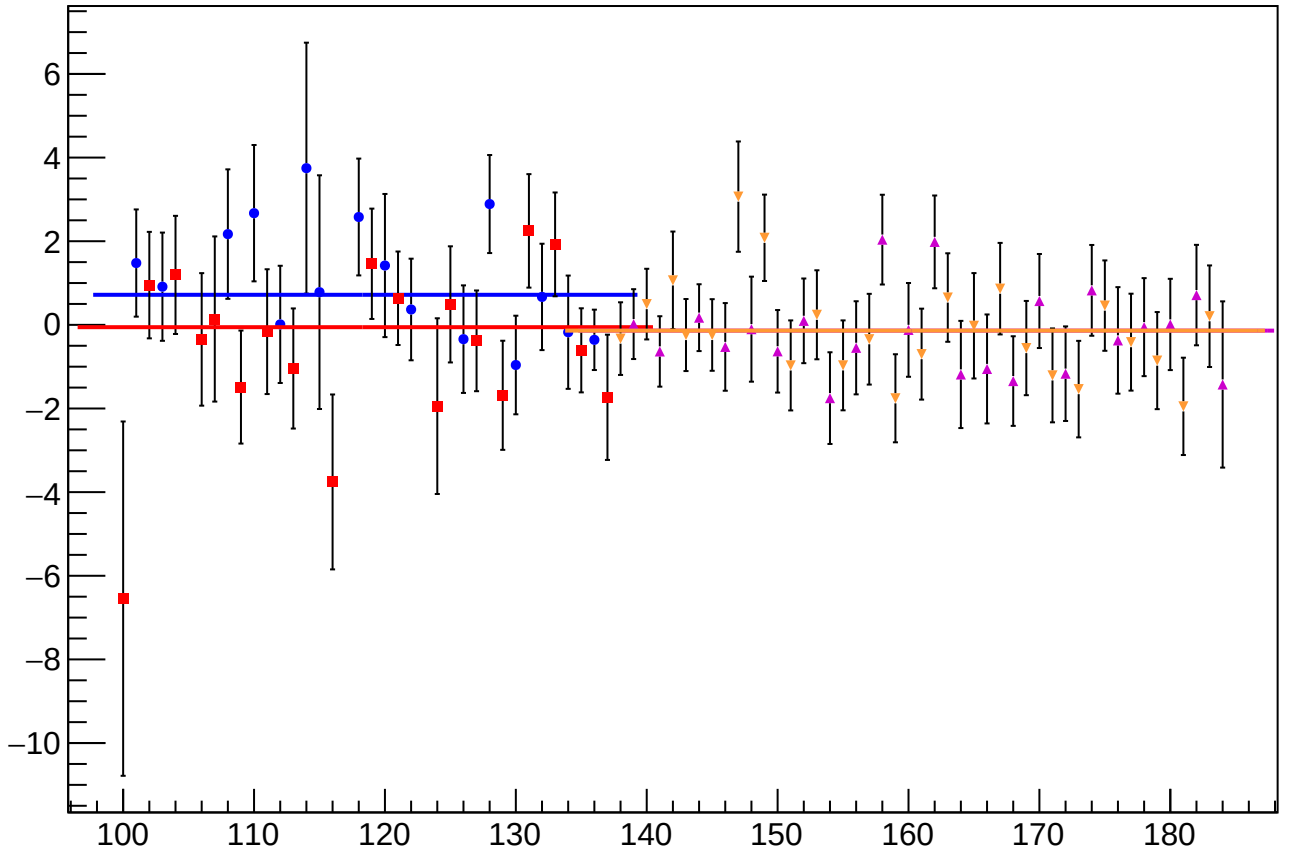
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -0.930+/-1.381 χ^2/NDF:44.2/38

Out: 1.370+/-1.362 χ^2/NDF:44.5/42

All: 0.236+/-0.969 χ^2/NDF: 90.1/81


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: 6632.723+/-1.109 χ²/NDF:629490.9/22
Left: 6682.683+/-0.781 χ²/NDF: 1032878.9/46
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 6844.366+/-0.976 χ²/NDF:1688919.5/38
Out: 6902.784+/-0.963 χ²/NDF:1331912.3/42
All: 6873.980+/-0.686 χ²/NDF: 3022647.1/81



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: -0.138+/-0.225 χ^2/NDF:16.5/22

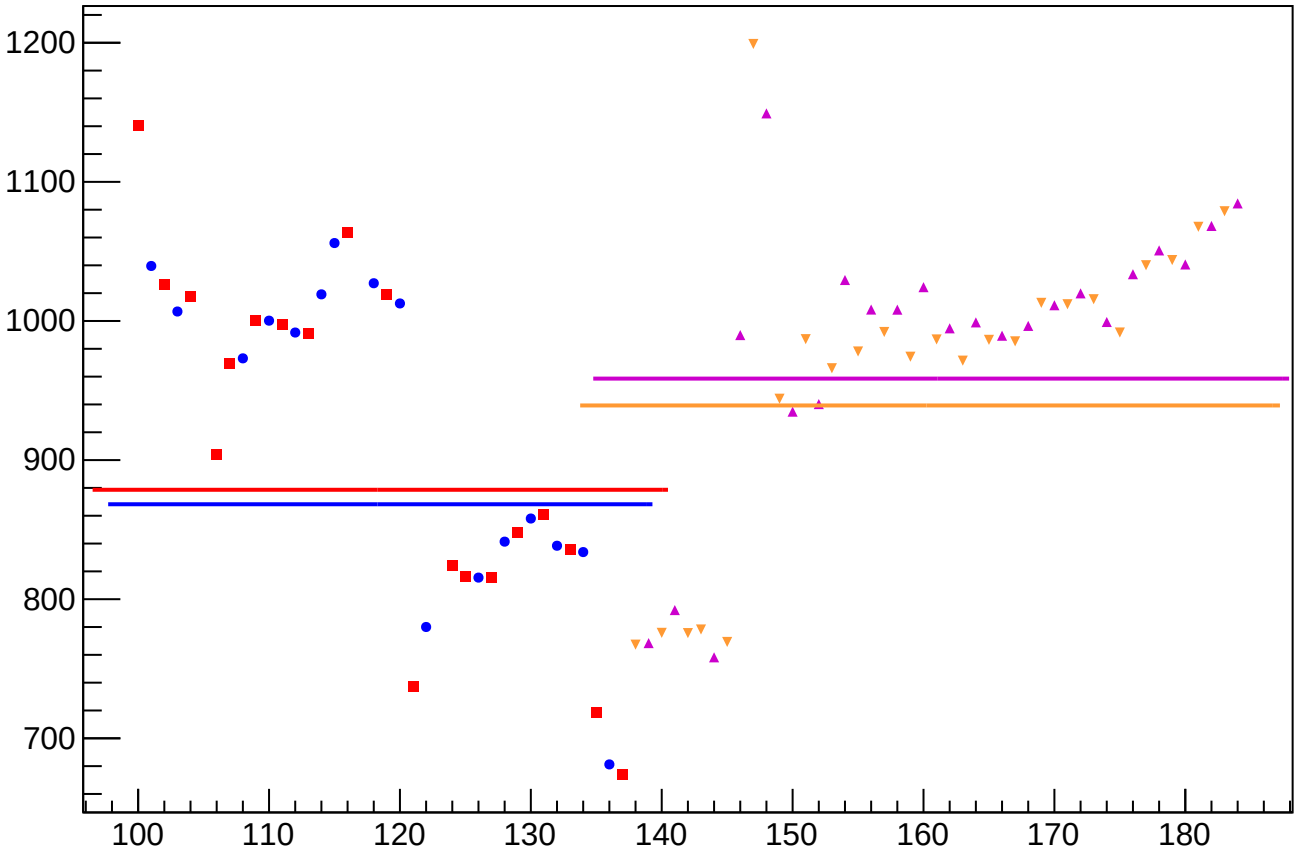
Left: -0.138+/-0.156 χ^2/NDF: 39.8/46

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.139+/-0.185 χ^2/NDF:35.9/38

Out: -0.112+/-0.180 χ^2/NDF:43.2/42

All: 0.010+/-0.129 χ^2/NDF: 80.1/81



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: 958.578+/-0.159 χ^2/NDF:456824.8/22

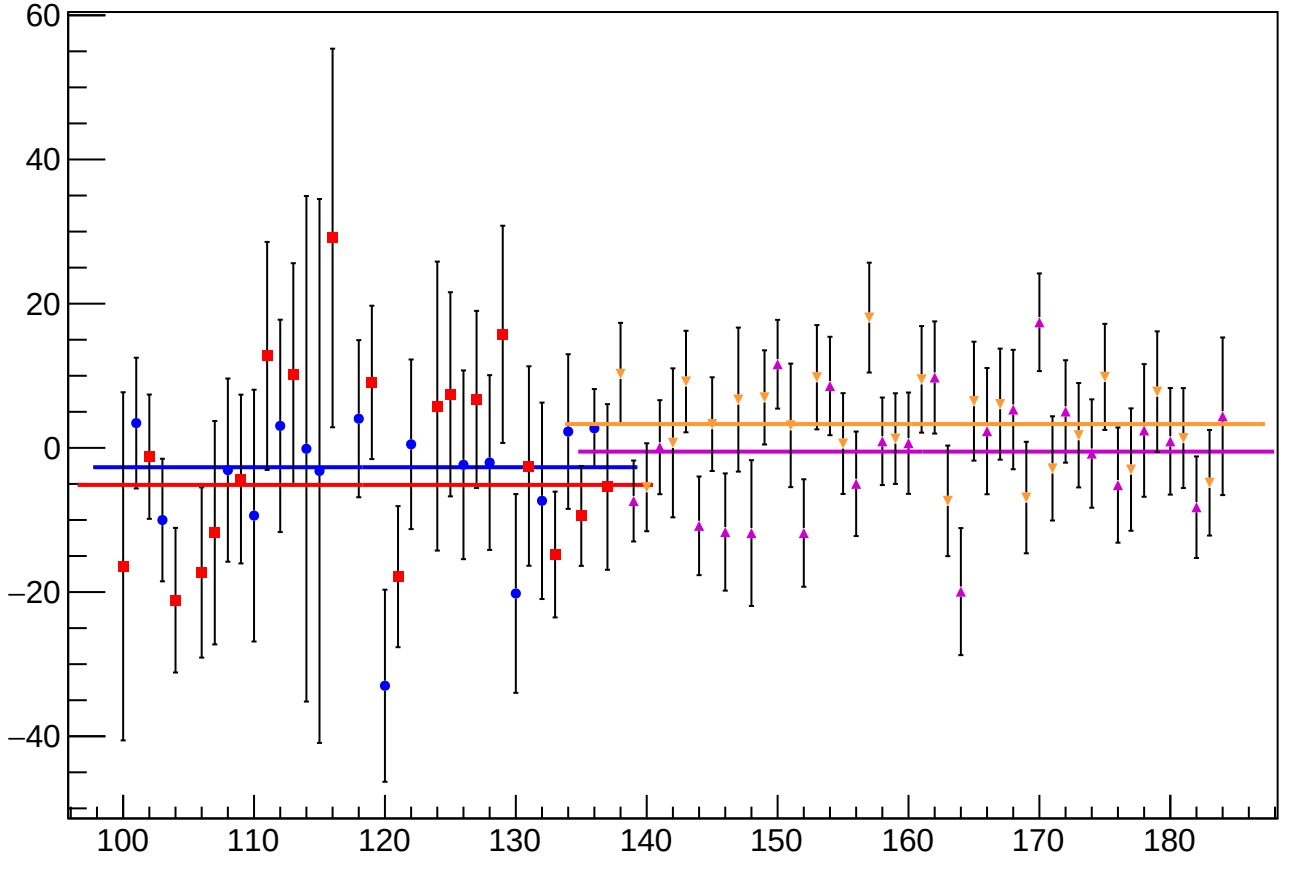
Left: 948.539+/-0.110 χ^2/NDF: 1022747.7/46

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 929.365+/-0.131 χ^2/NDF:863164.5/38

Out: 920.517+/-0.127 χ^2/NDF:879353.9/42

All: 924.808+/-0.091 χ^2/NDF: 1744865.3/81



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: -0.519+/-1.535 χ^2/NDF:32.0/22

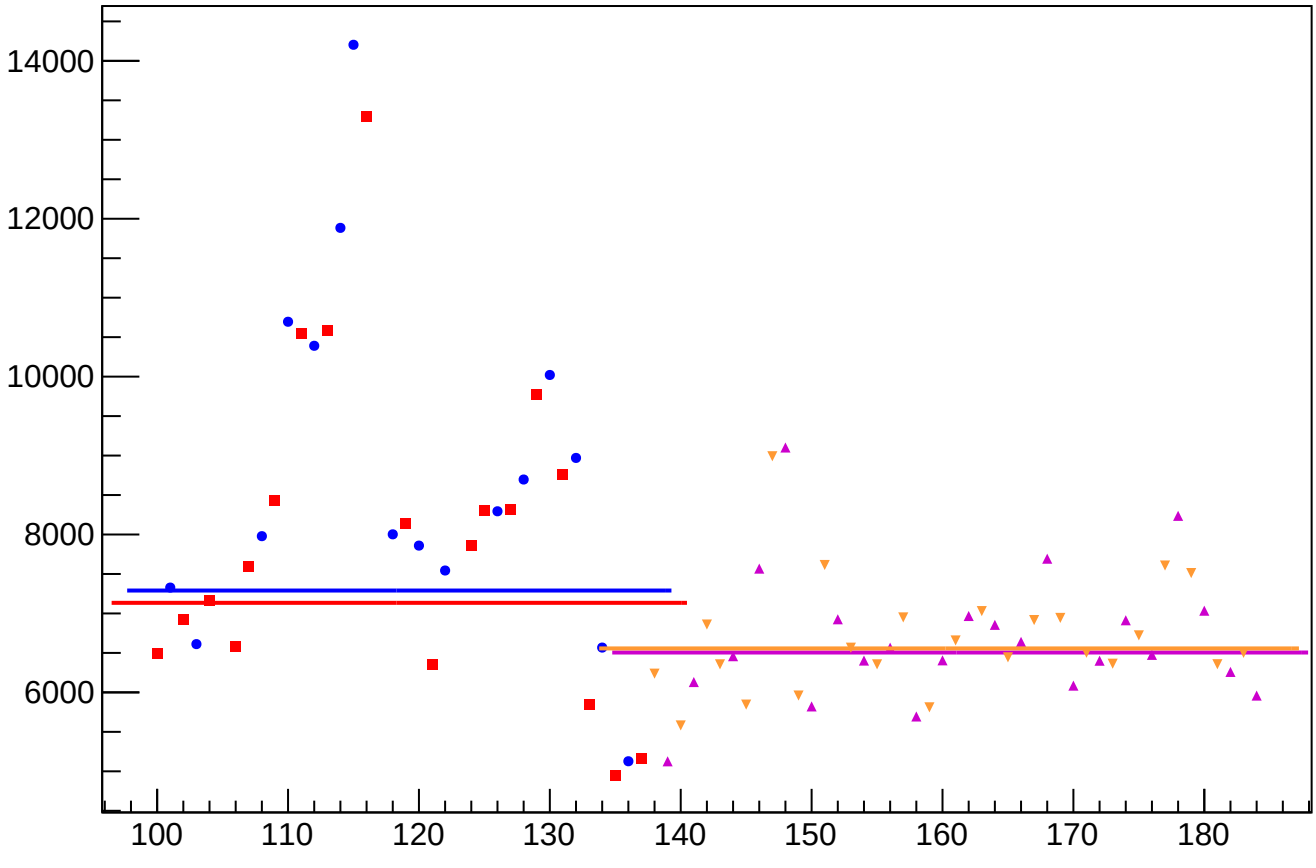
Left: 1.422+/-1.077 χ^2/NDF: 52.6/46

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -1.022+/-1.345 χ^2/NDF:42.5/38

Out: 1.281+/-1.319 χ^2/NDF:42.1/42

All: 0.152+/-0.941 χ^2/NDF: 86.2/81



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: 6505.057+/-1.085 χ^2/NDF:515496.8/22

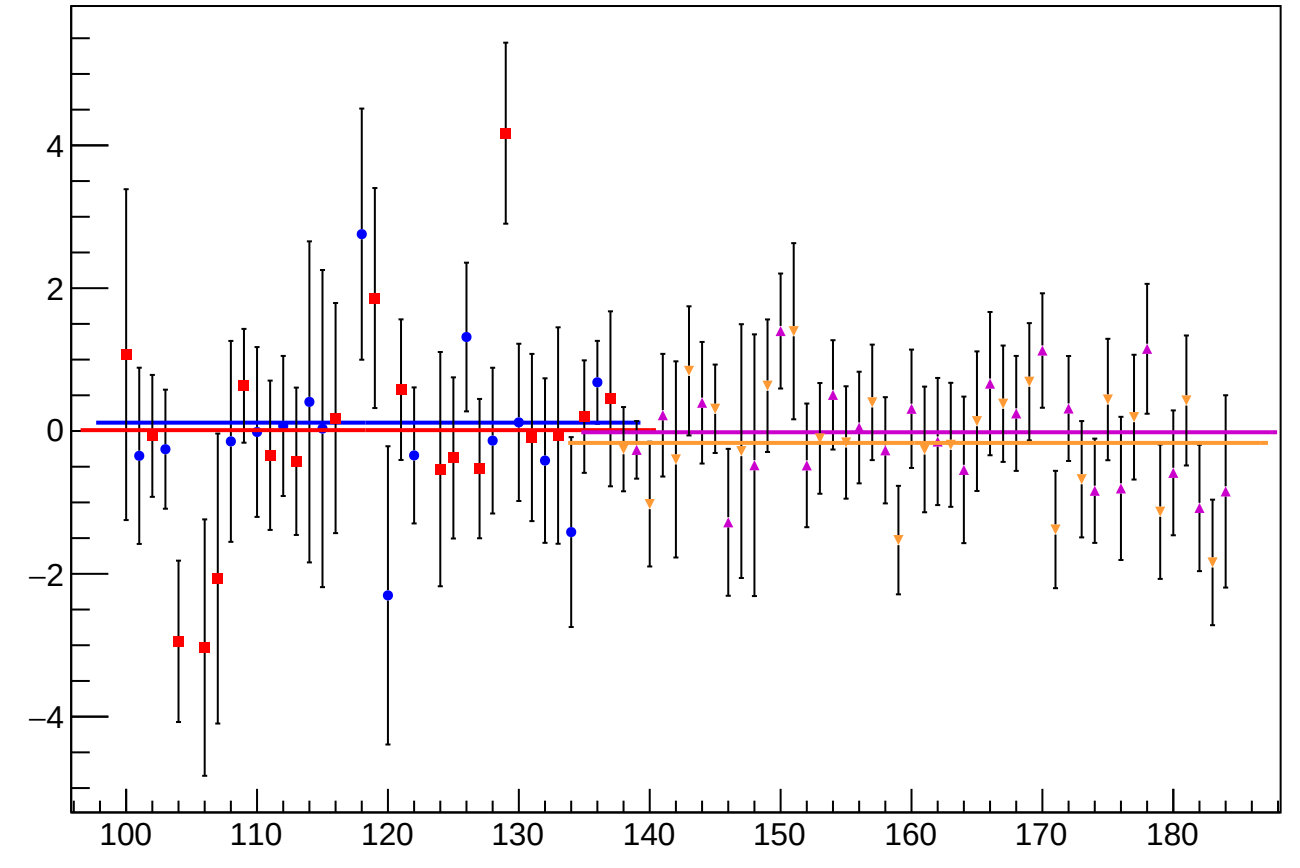
Left: 6531.422+/-0.762 χ^2/NDF: 879113.6/46

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6687.659+/-0.951 χ^2/NDF:1407740.4/38

Out: 6695.539+/-0.932 χ^2/NDF:1225180.0/42

All: 6691.676+/-0.666 χ^2/NDF: 2632955.4/81



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: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.090+/-0.121 χ^2/NDF: 34.5/46

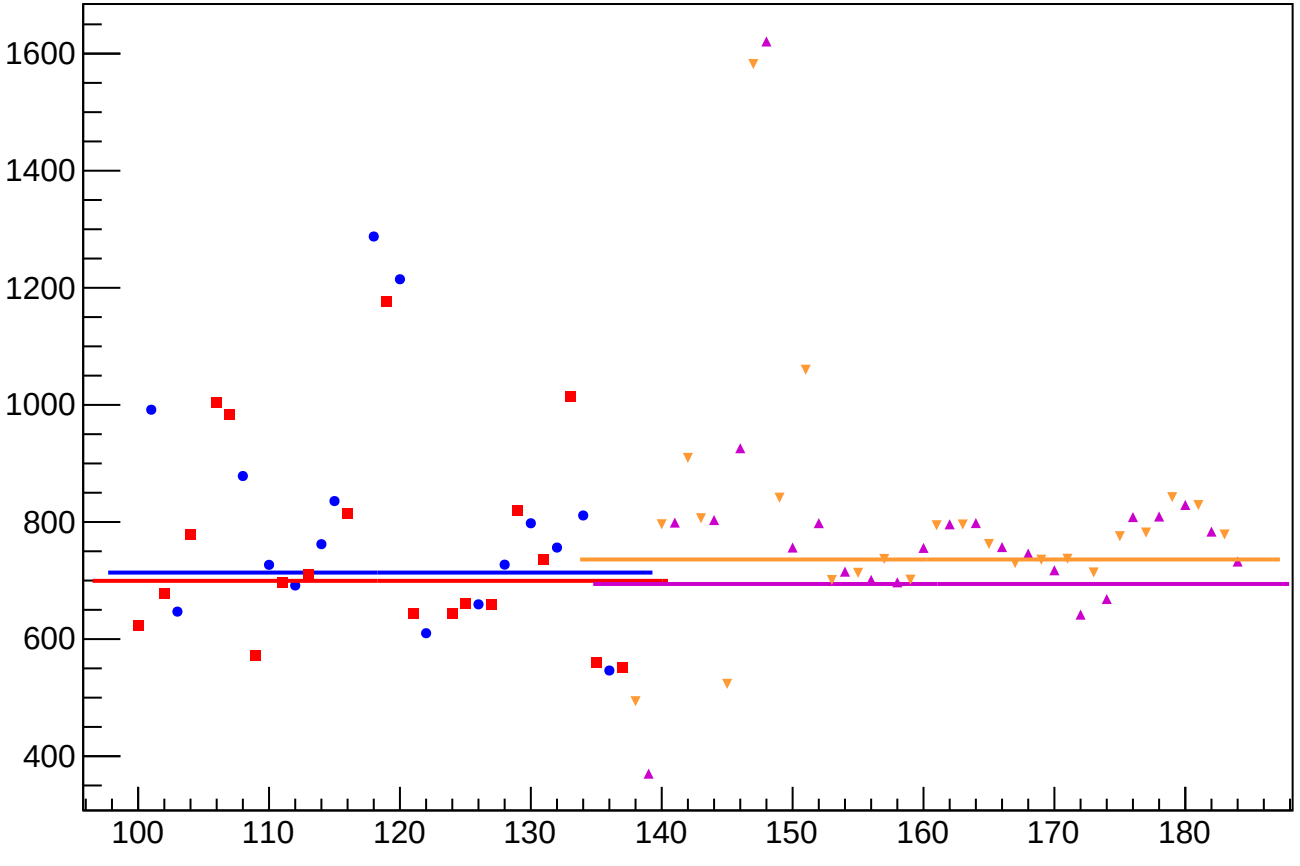
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.020+/-0.144 χ^2/NDF:23.5/38

Out: -0.112+/-0.145 χ^2/NDF:44.4/42

All: -0.046+/-0.102 χ^2/NDF: 68.4/81

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: 694.150+/-0.120 χ^2/NDF:2225094.5/22

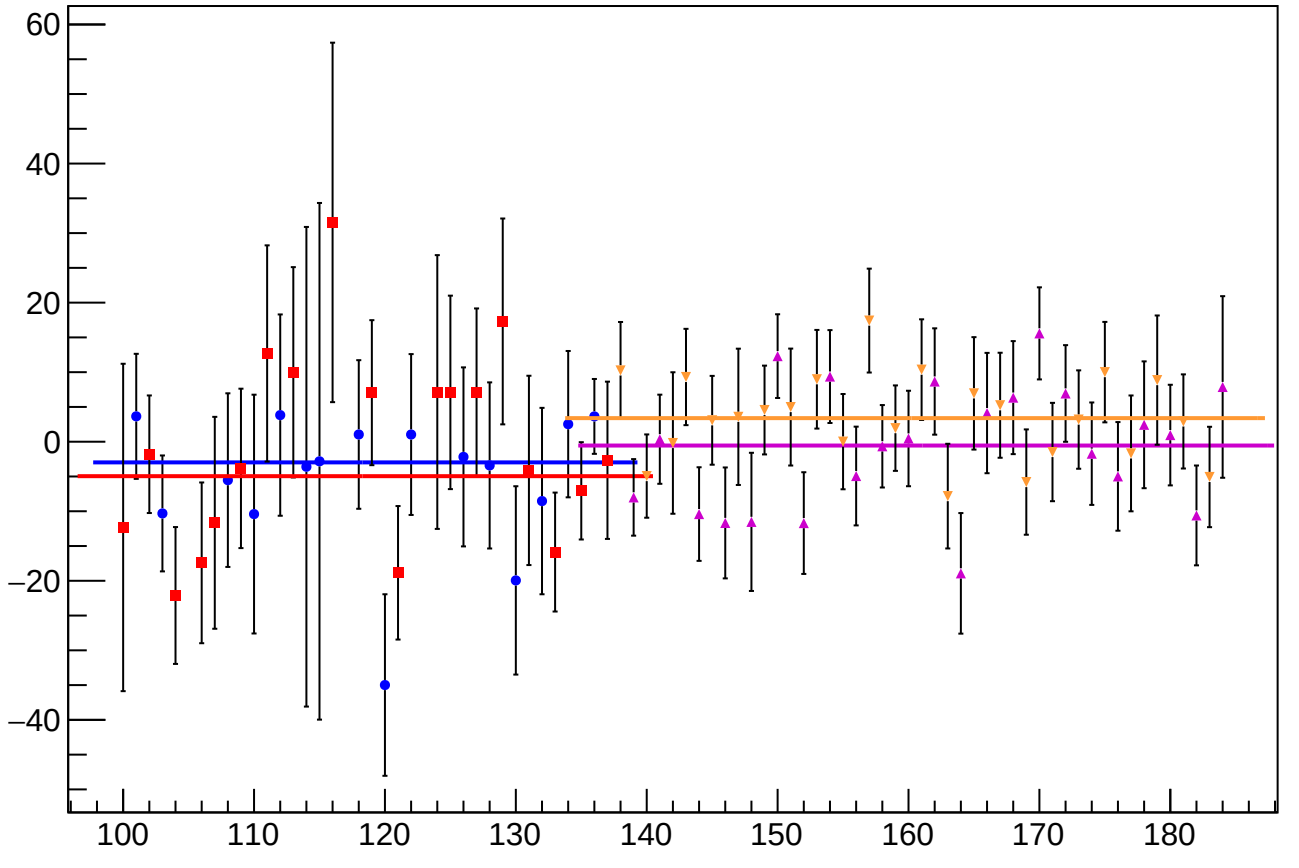
Left: 714.518+/-0.086 χ^2/NDF: 3620477.3/46

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 699.545+/-0.102 χ^2/NDF:2931750.0/38

Out: 724.928+/-0.102 χ^2/NDF:1938303.9/42

All: 712.136+/-0.072 χ^2/NDF: 4900982.3/81



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: -0.550+/-1.512 χ^2/NDF:33.6/22

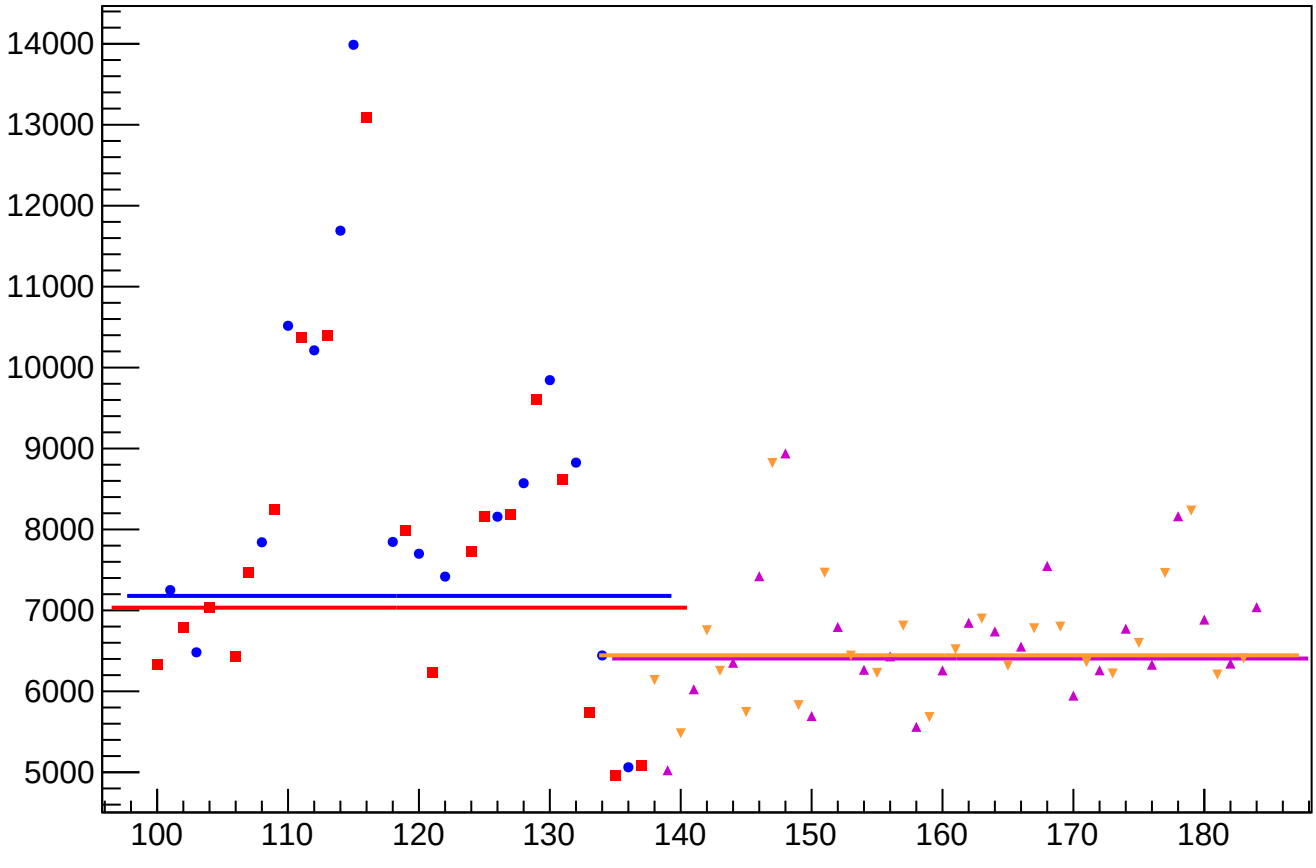
Left: 1.452+/-1.061 χ^2/NDF: 53.6/46

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -1.114+/-1.325 χ^2/NDF:45.8/38

Out: 1.393+/-1.298 χ^2/NDF:42.6/42

All: 0.165+/-0.927 χ^2/NDF: 90.1/81



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: 6405.229+/-1.069 χ^2/NDF:525079.4/22

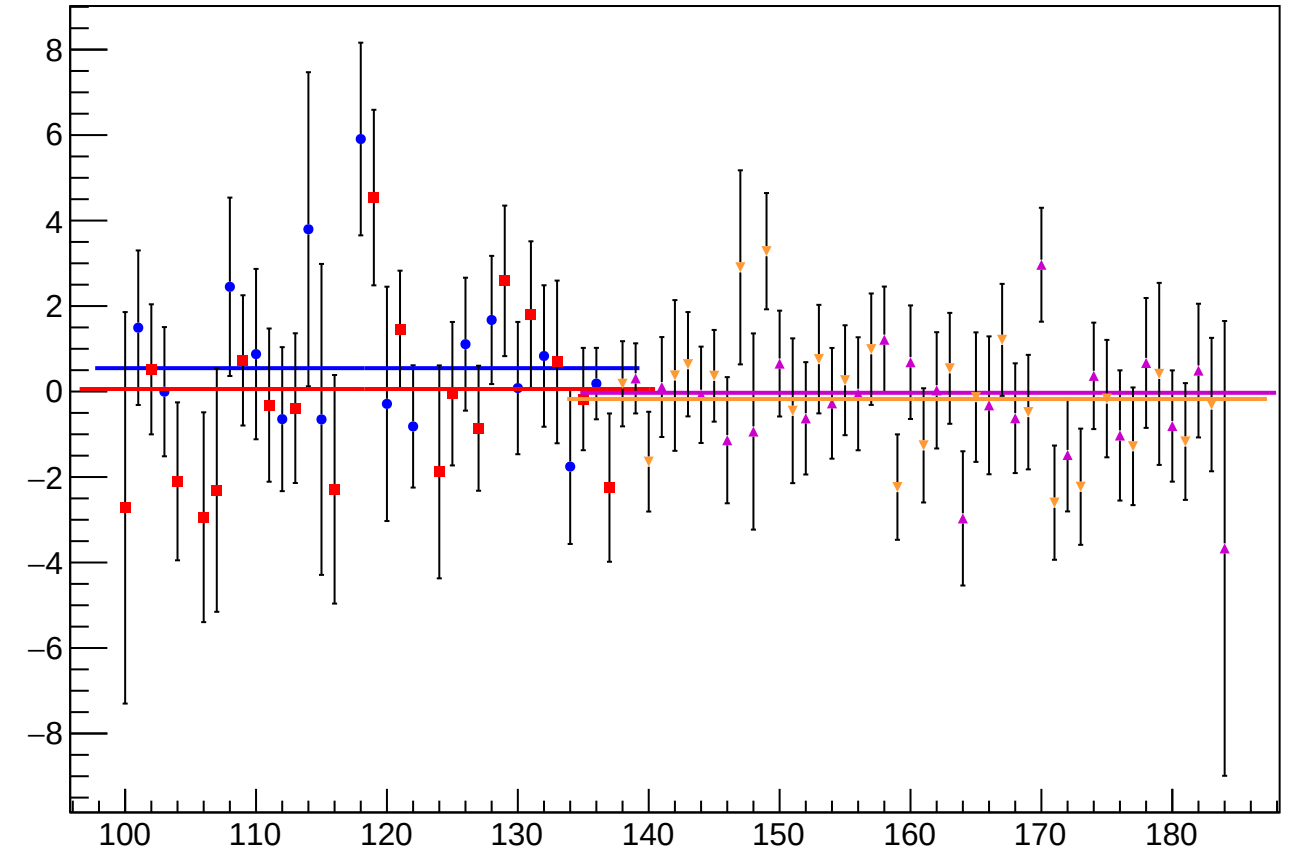
Left: 6425.375+/-0.750 χ^2/NDF: 938106.7/46

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6585.301+/-0.937 χ^2/NDF:1408829.1/38

Out: 6585.808+/-0.918 χ^2/NDF:1253597.7/42

All: 6585.560+/-0.656 χ^2/NDF: 2662426.9/81



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: -0.029+/-0.279 χ^2/NDF:14.4/22

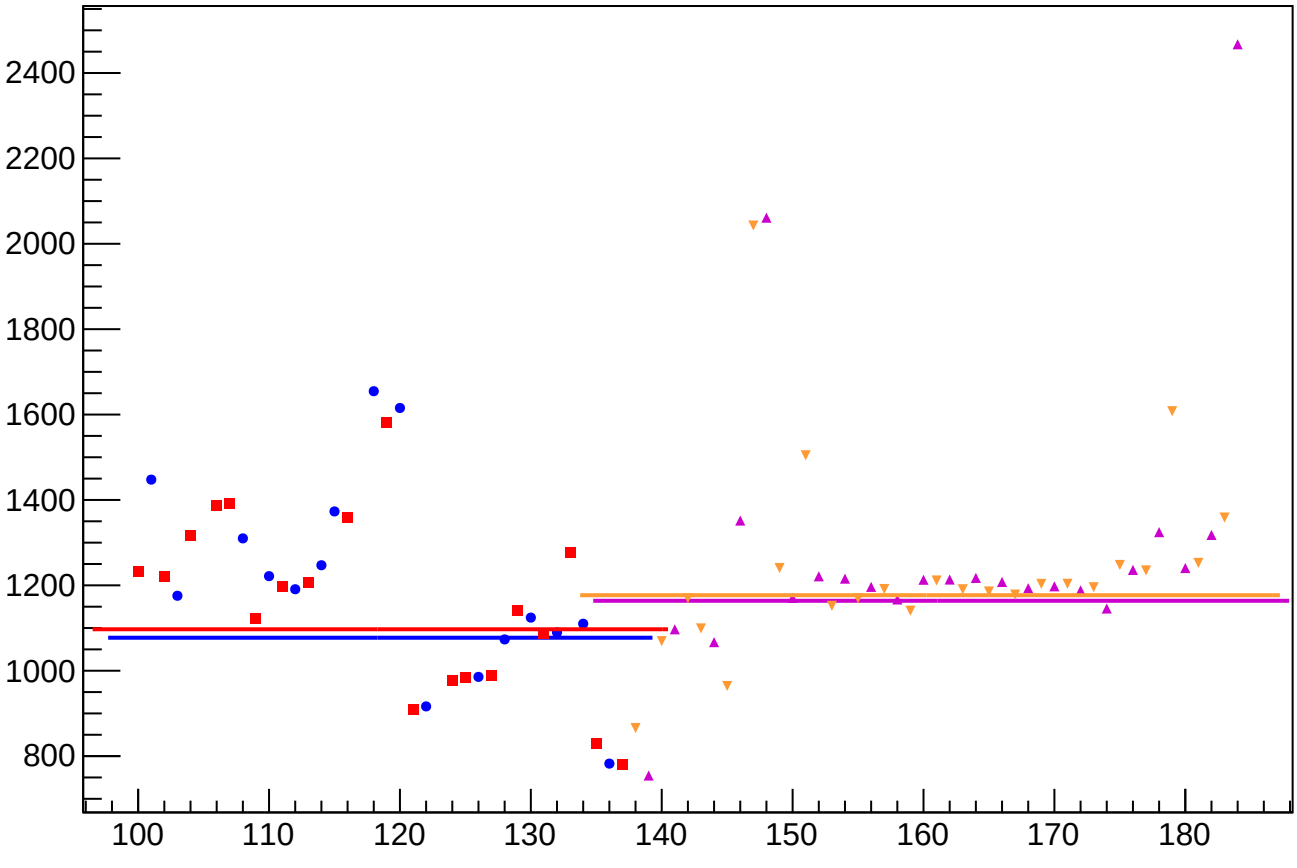
Left: -0.103+/-0.196 χ^2/NDF: 38.6/46

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.152+/-0.231 χ^2/NDF:27.7/38

Out: -0.102+/-0.228 χ^2/NDF:41.1/42

All: 0.024+/-0.162 χ^2/NDF: 69.5/81



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: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

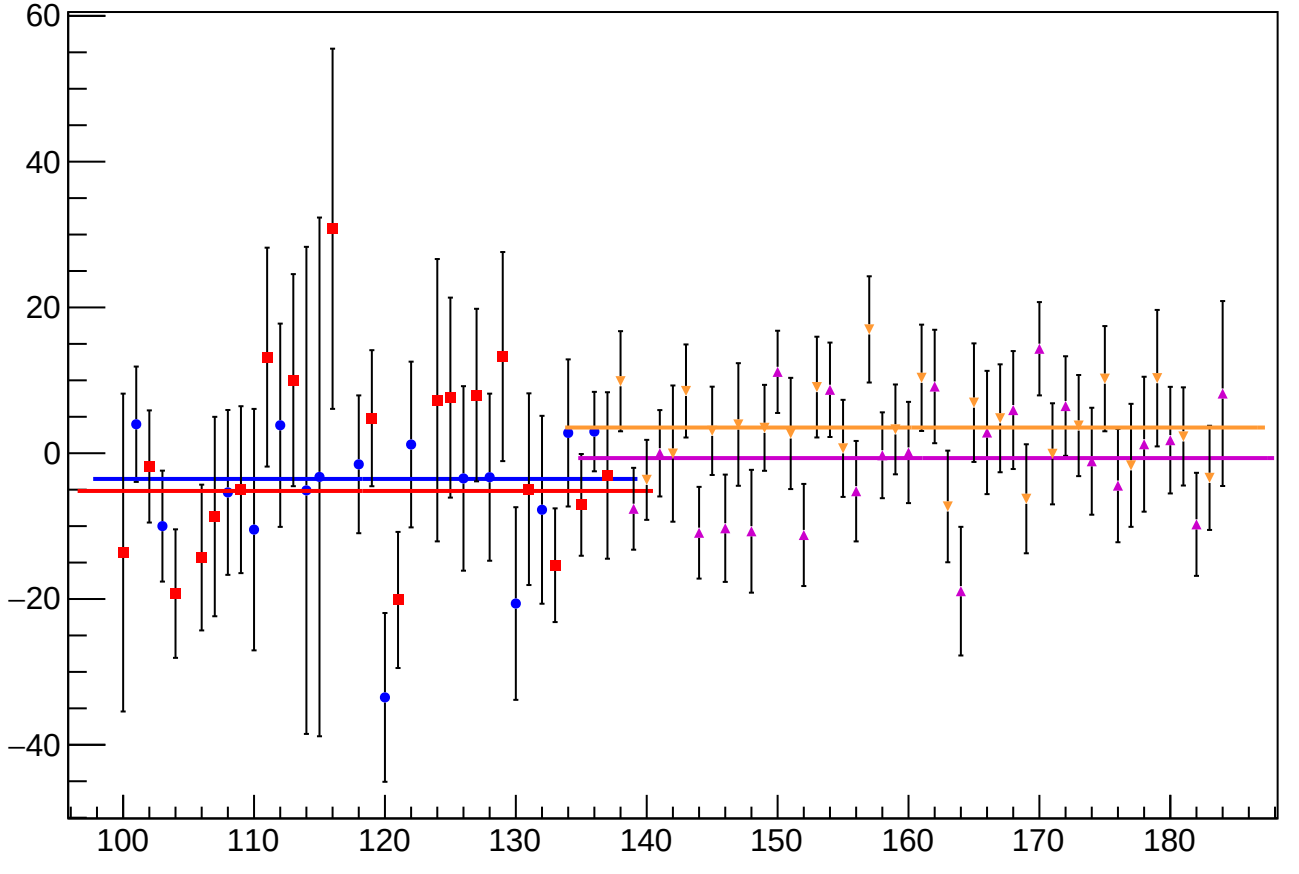
Left: 1170.444+/-0.138 χ^2/NDF: 1853826.4/46

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1136.580+/-0.163 χ^2/NDF:1759484.7/38

Out: 1152.031+/-0.161 χ^2/NDF:1336195.9/42

All: 1144.384+/-0.115 χ^2/NDF: 3100216.7/81



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: -0.667+/-1.474 χ^2/NDF:32.4/22

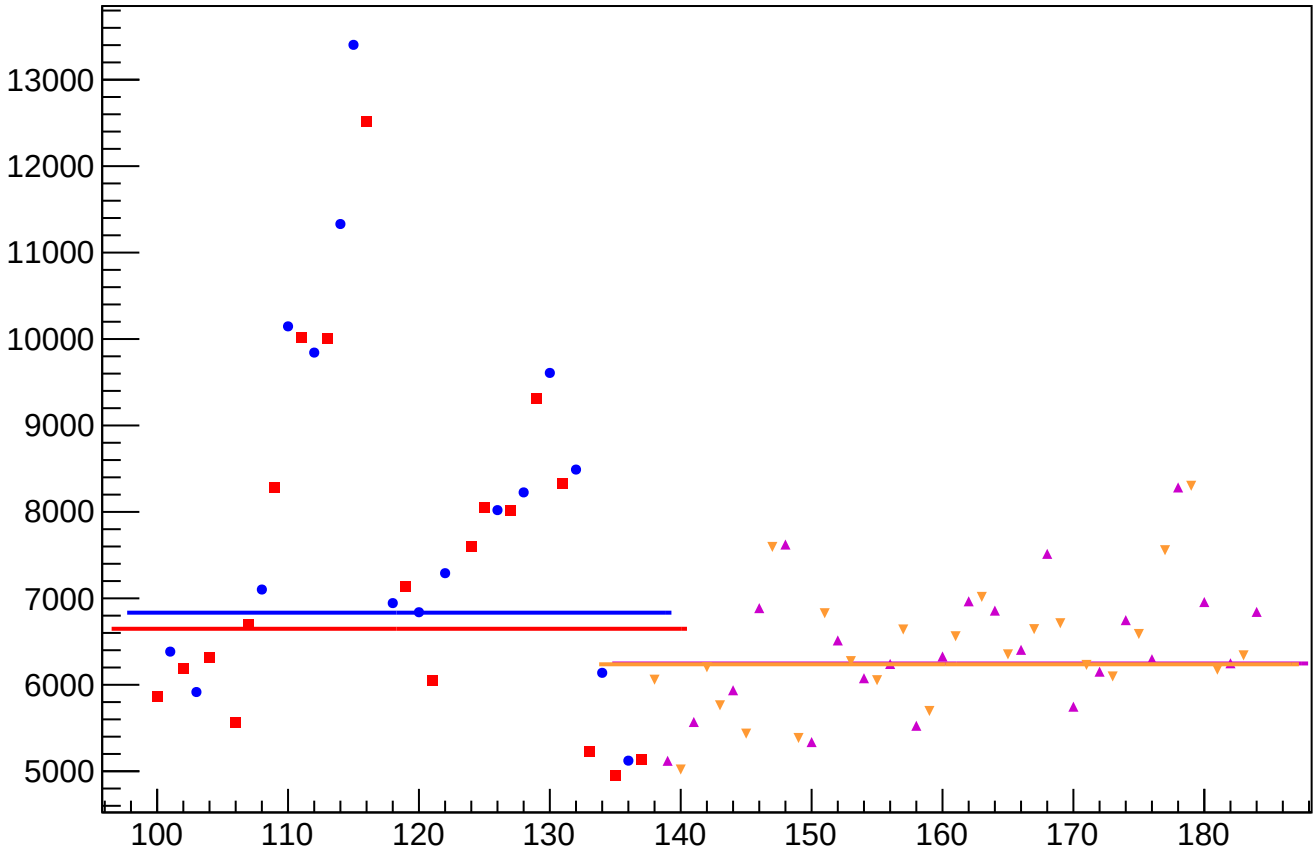
Left: 1.476+/-1.030 χ^2/NDF: 51.9/46

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -1.359+/-1.283 χ^2/NDF:45.9/38

Out: 1.365+/-1.250 χ^2/NDF:42.6/42

All: 0.039+/-0.895 χ^2/NDF: 90.8/81



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: 6246.800+/-1.042 χ^2/NDF:484982.9/22

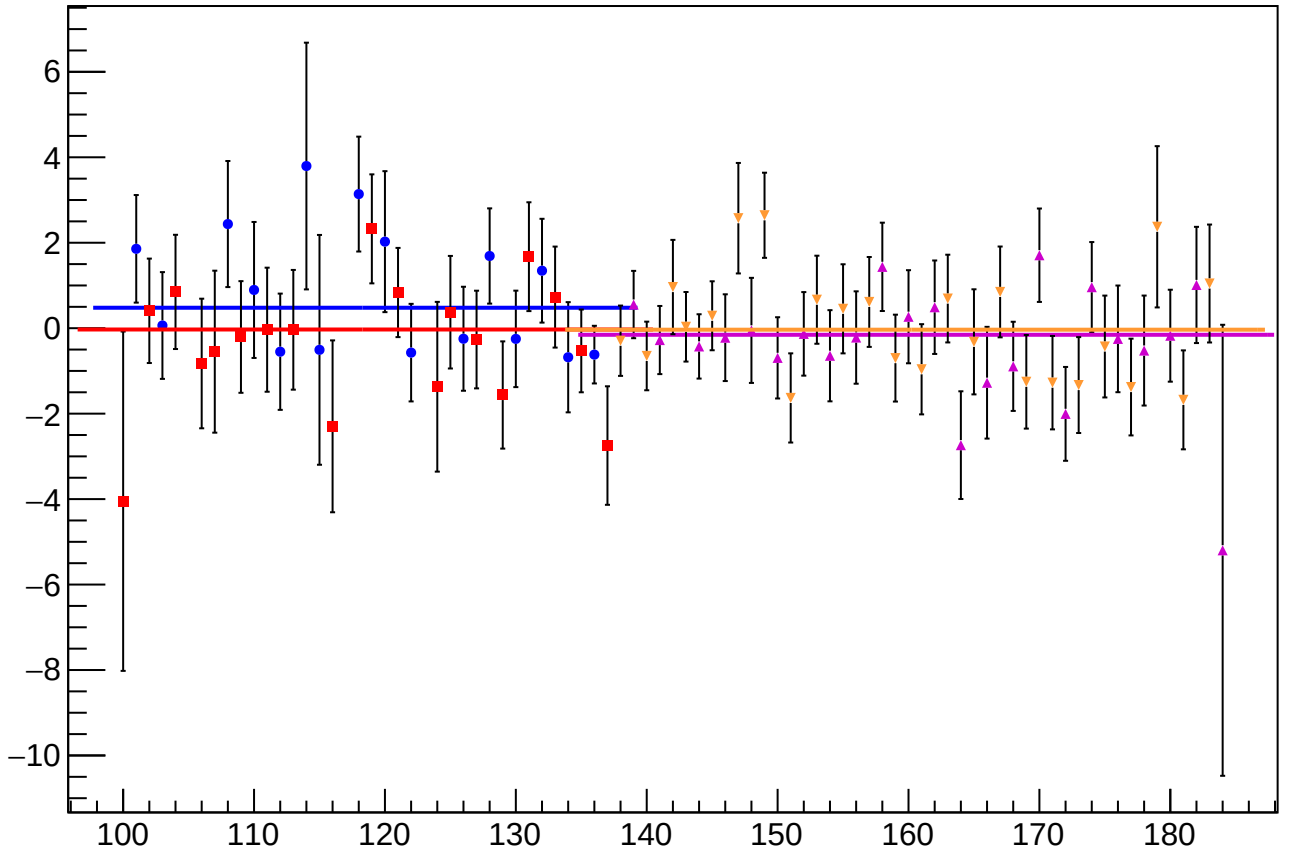
Left: 6241.946+/-0.729 χ^2/NDF: 951449.7/46

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6388.986+/-0.907 χ^2/NDF:1254639.2/38

Out: 6339.273+/-0.884 χ^2/NDF:1291842.9/42

All: 6363.475+/-0.633 χ^2/NDF: 2548022.9/81



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: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.092+/-0.153 χ^2/NDF: 47.0/46

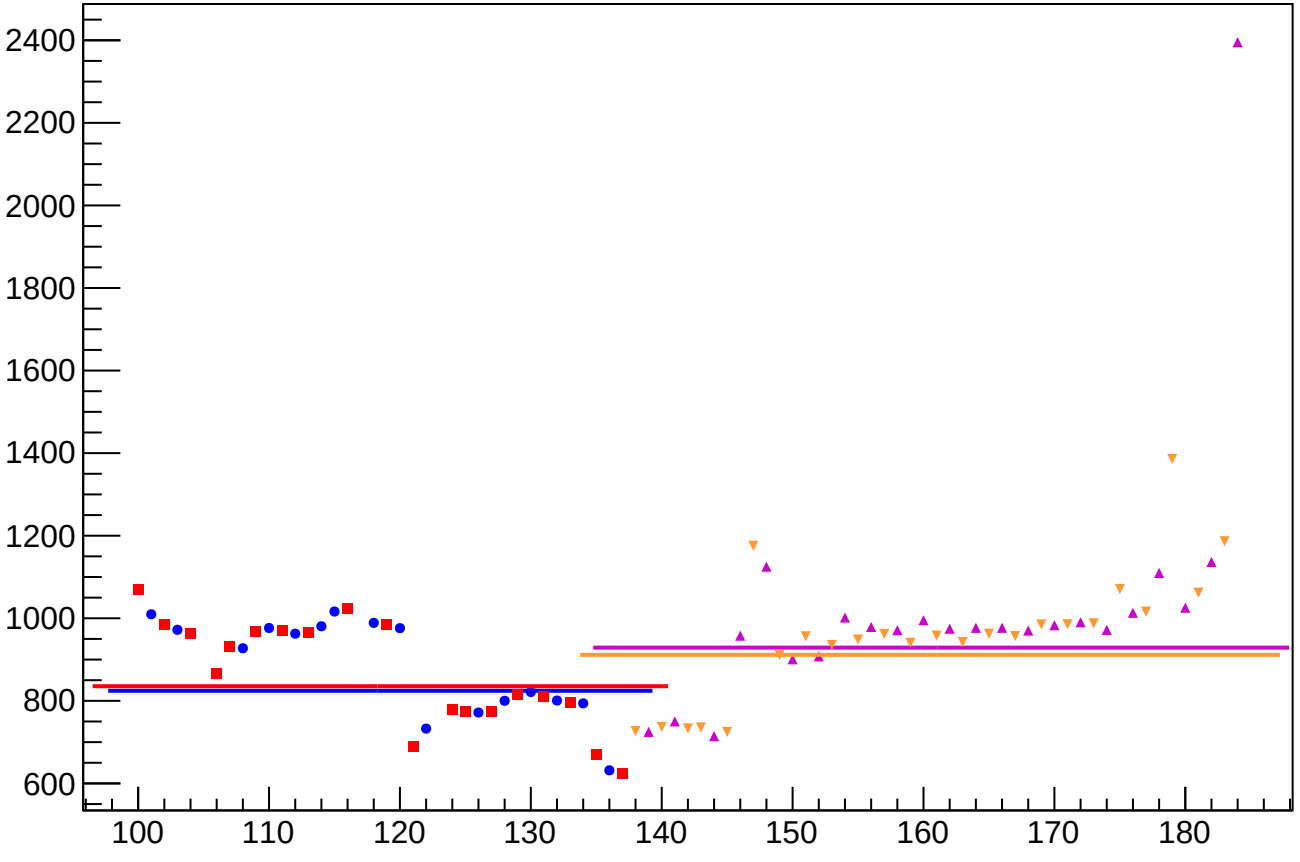
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.058+/-0.180 χ^2/NDF:37.9/38

Out: -0.034+/-0.175 χ^2/NDF:44.2/42

All: 0.011+/-0.126 χ^2/NDF: 82.2/81

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: 928.913+/-0.156 χ^2/NDF:769065.0/22

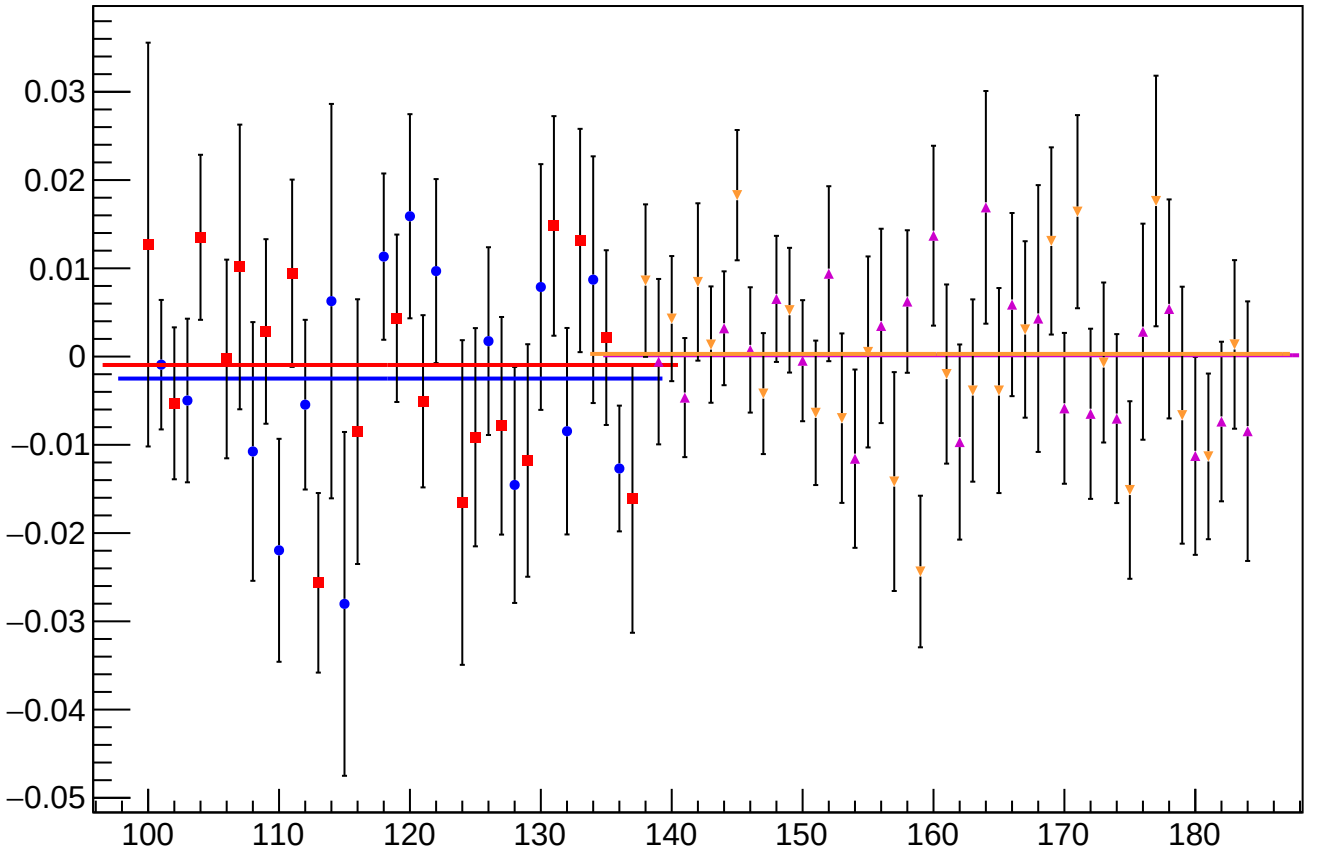
Left: 919.851+/-0.108 χ^2/NDF: 1653161.1/46

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 893.810+/-0.127 χ^2/NDF:1284618.8/38

Out: 886.908+/-0.124 χ^2/NDF:1279102.2/42

All: 890.265+/-0.089 χ^2/NDF: 2565229.0/81



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:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 42.3/46

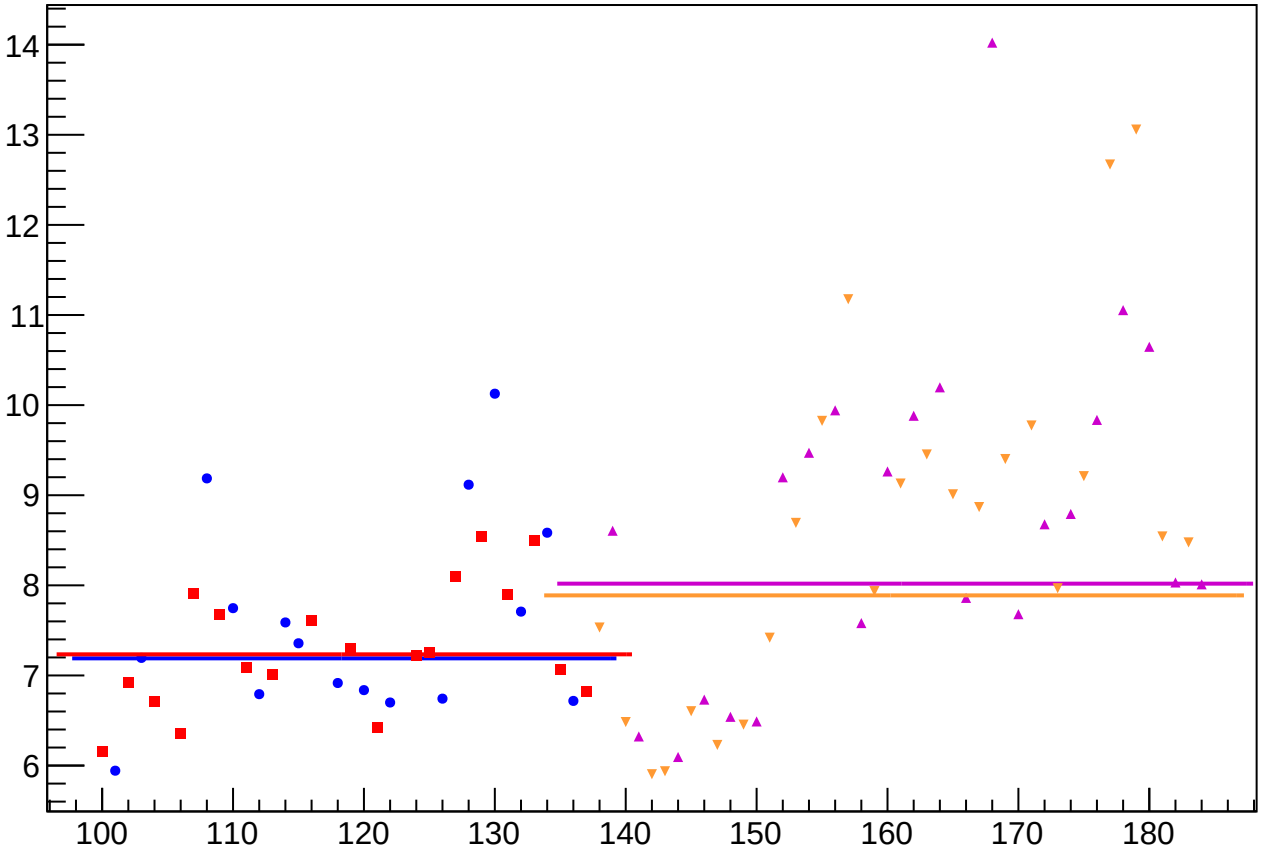
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.001+/-0.002 χ^2/NDF:28.7/38

Out: -0.000+/-0.002 χ^2/NDF:46.9/42

All: -0.000+/-0.001 χ^2/NDF: 75.7/81

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:1455714.6/22

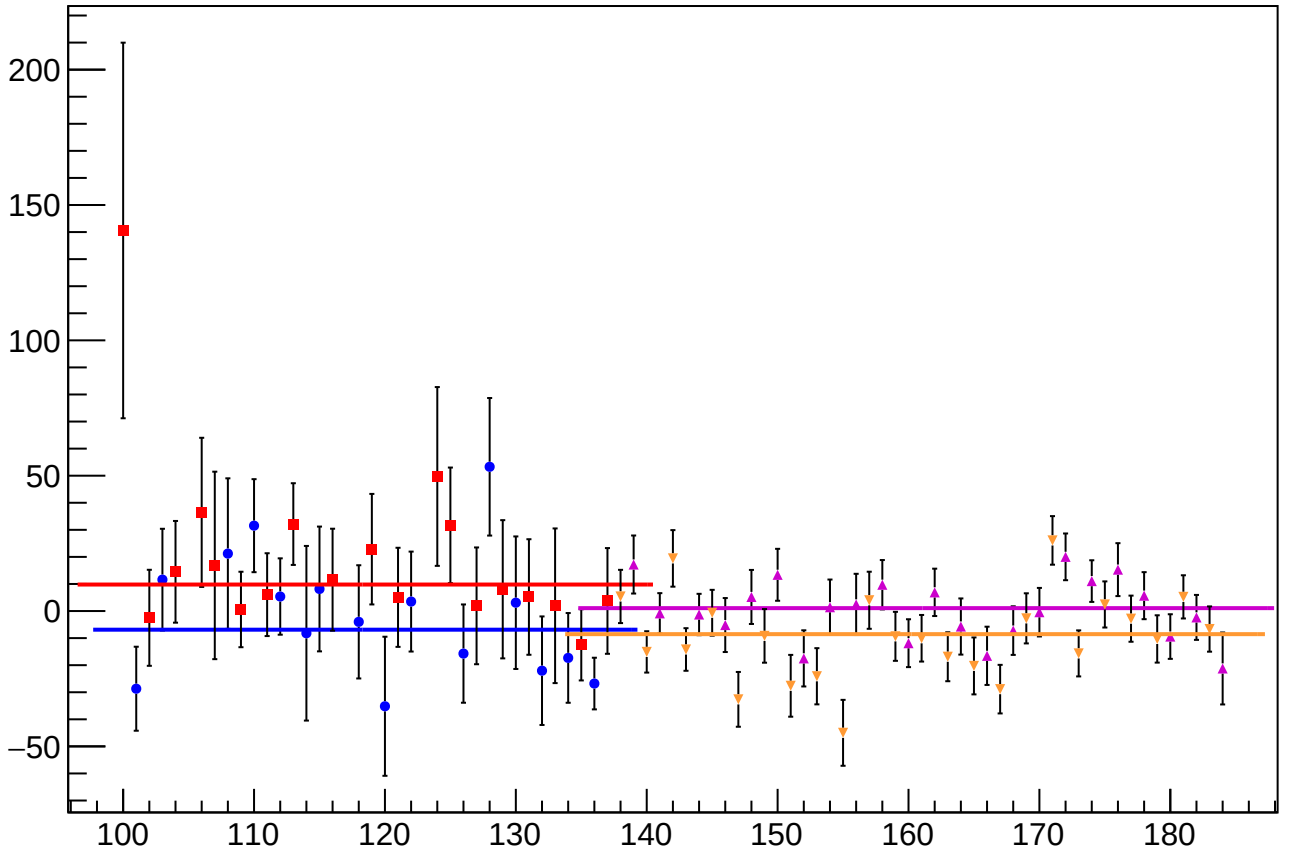
Left: 7.952+/-0.001 χ^2/NDF: 3047449.0/46

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.742+/-0.001 χ^2/NDF:1858159.9/38

Out: 7.674+/-0.001 χ^2/NDF:1774667.3/42

All: 7.707+/-0.001 χ^2/NDF: 3634753.8/81



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: 1.072+/-1.921 χ^2/NDF:28.8/22

Left: -3.874+/-1.338 χ^2/NDF: 102.5/46

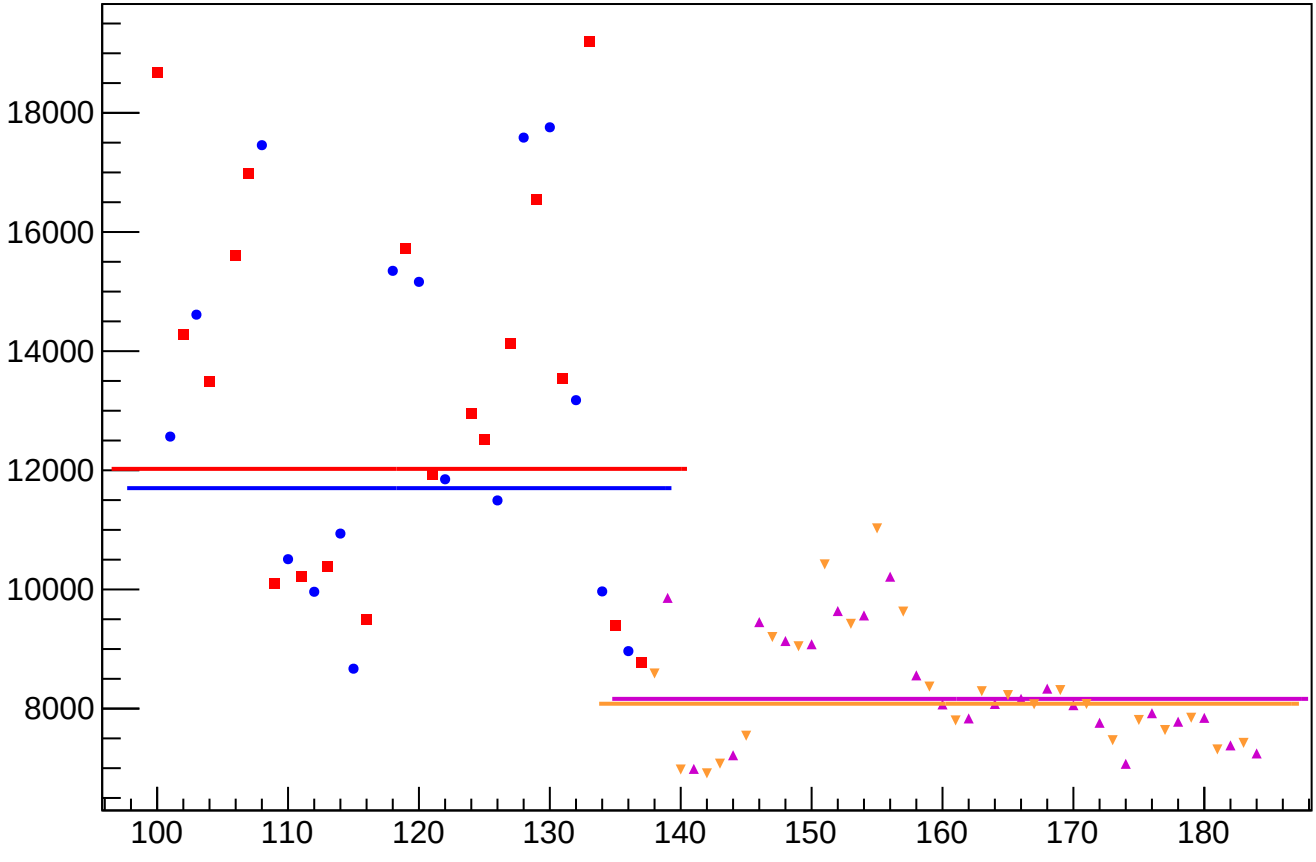
Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -0.161+/-1.766 χ^2/NDF:54.5/38

Out: -5.868+/-1.724 χ^2/NDF:88.9/42

All: -3.083+/-1.234 χ^2/NDF: 148.8/81

diff_targ_positionX_rms vs Slug, Sign Corrected



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: 8163.472+/-1.358 χ^2/NDF:432350.3/22

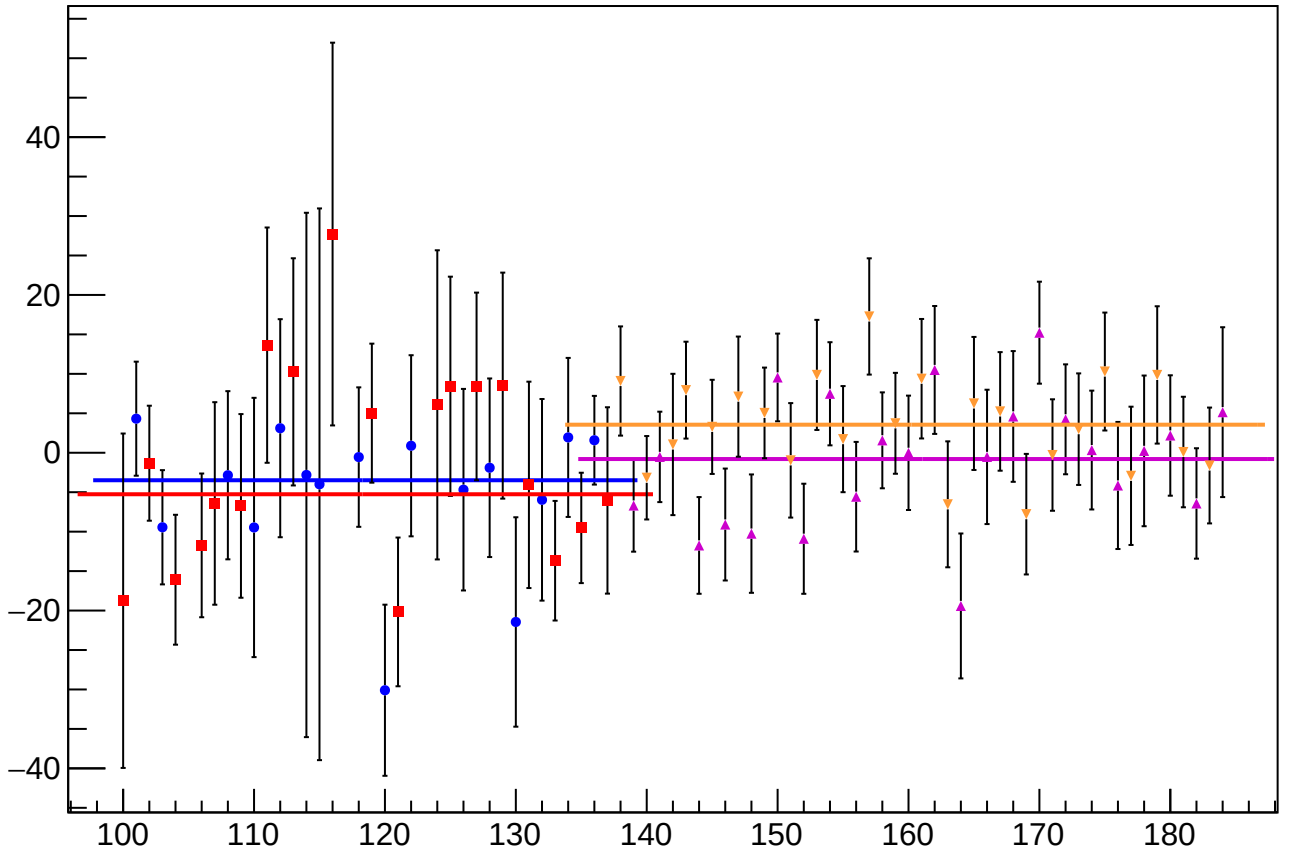
Left: 8121.406+/-0.946 χ^2/NDF: 924753.4/46

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 8711.016+/-1.249 χ^2/NDF:2222381.1/38

Out: 8656.076+/-1.219 χ^2/NDF:2476788.5/42

All: 8682.889+/-0.872 χ^2/NDF: 4700160.6/81



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: -0.797+/-1.479 χ^2/NDF:29.4/22

Left: 1.435+/-1.032 χ^2/NDF: 49.2/46

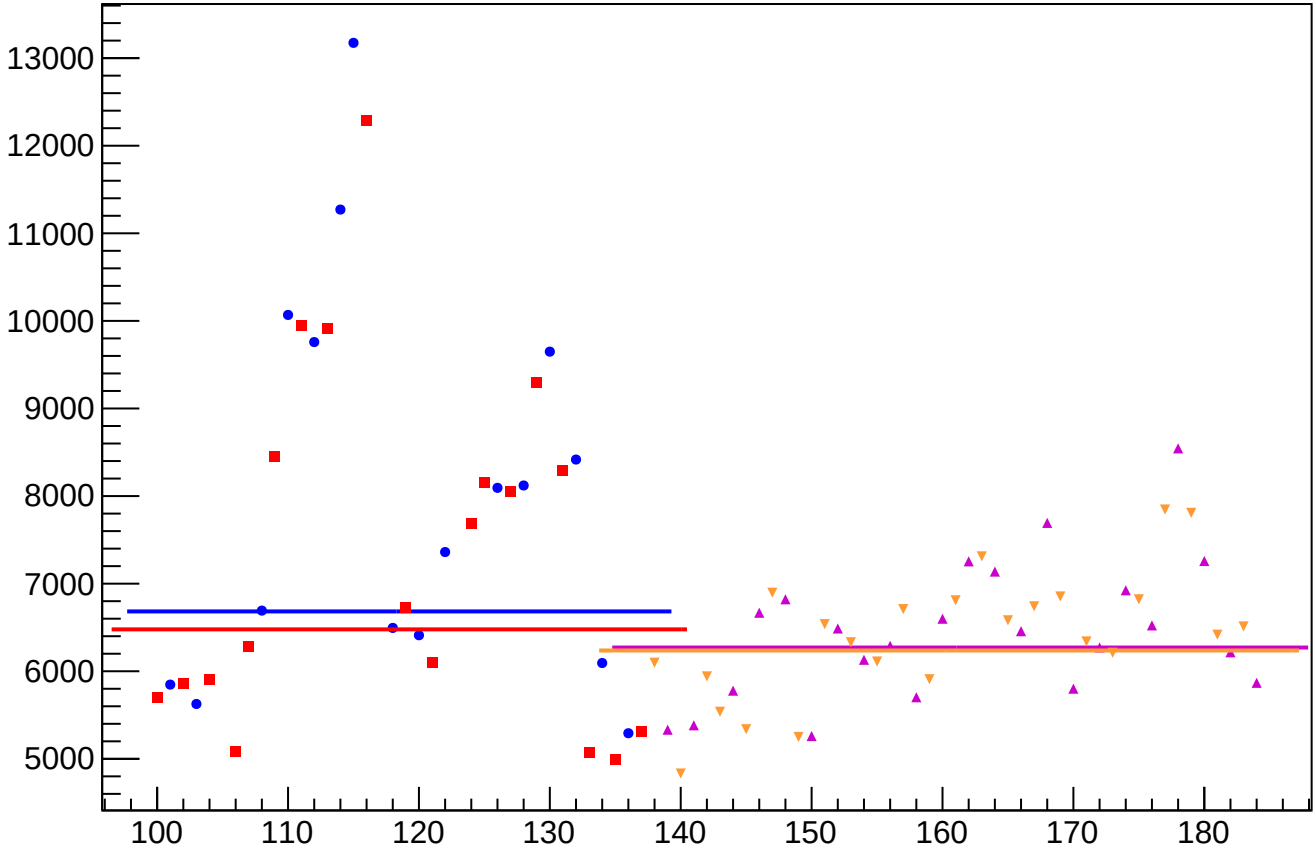
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -1.473+/-1.279 χ^2/NDF:41.7/38

Out: 1.283+/-1.242 χ^2/NDF:41.6/42

All: -0.055+/-0.891 χ^2/NDF: 85.7/81

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6237.246+/-1.020 χ^2/NDF:530119.8/23

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

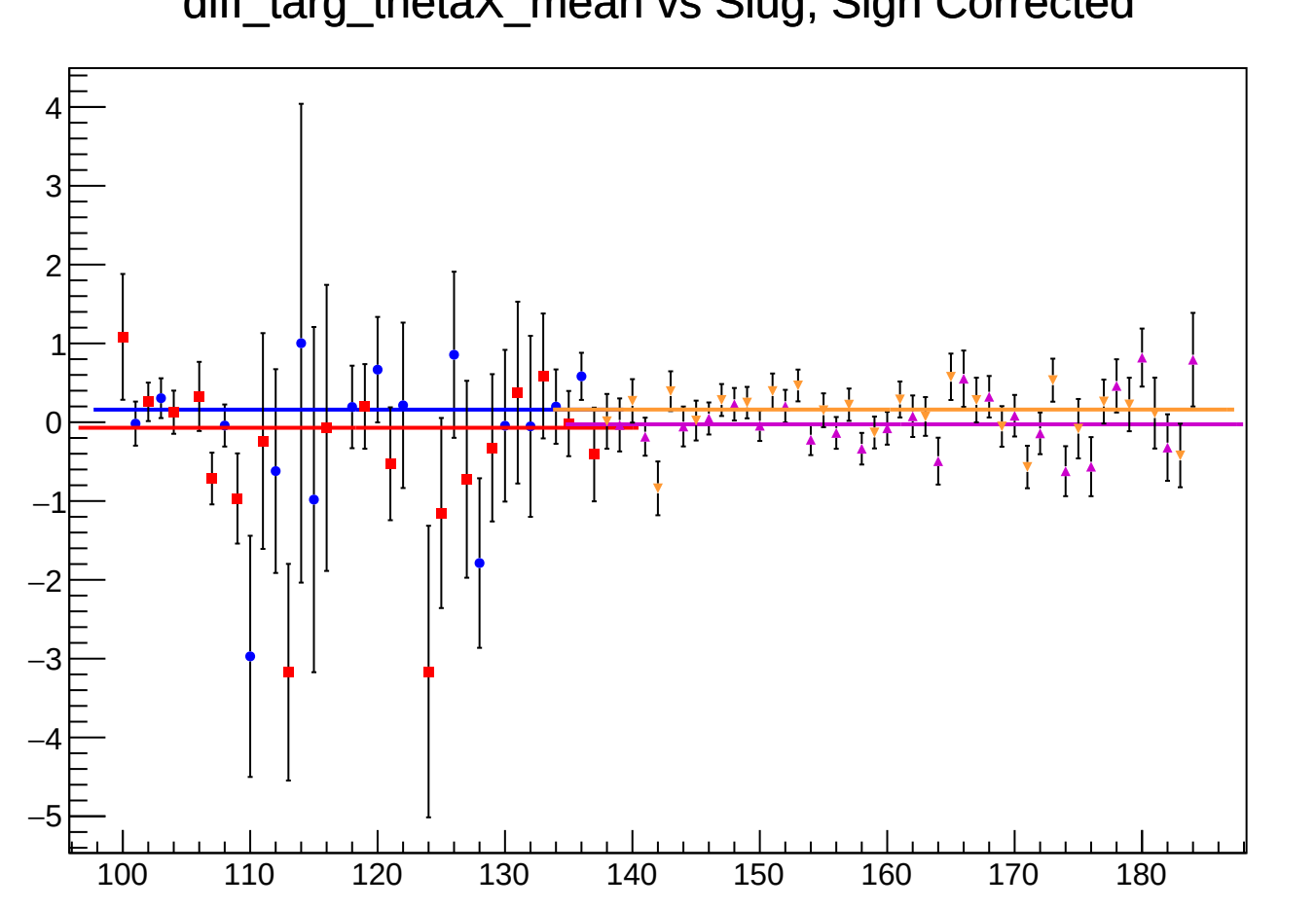
Left: 6253.617+/-0.730 χ^2/NDF: 1035372.4/46

Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

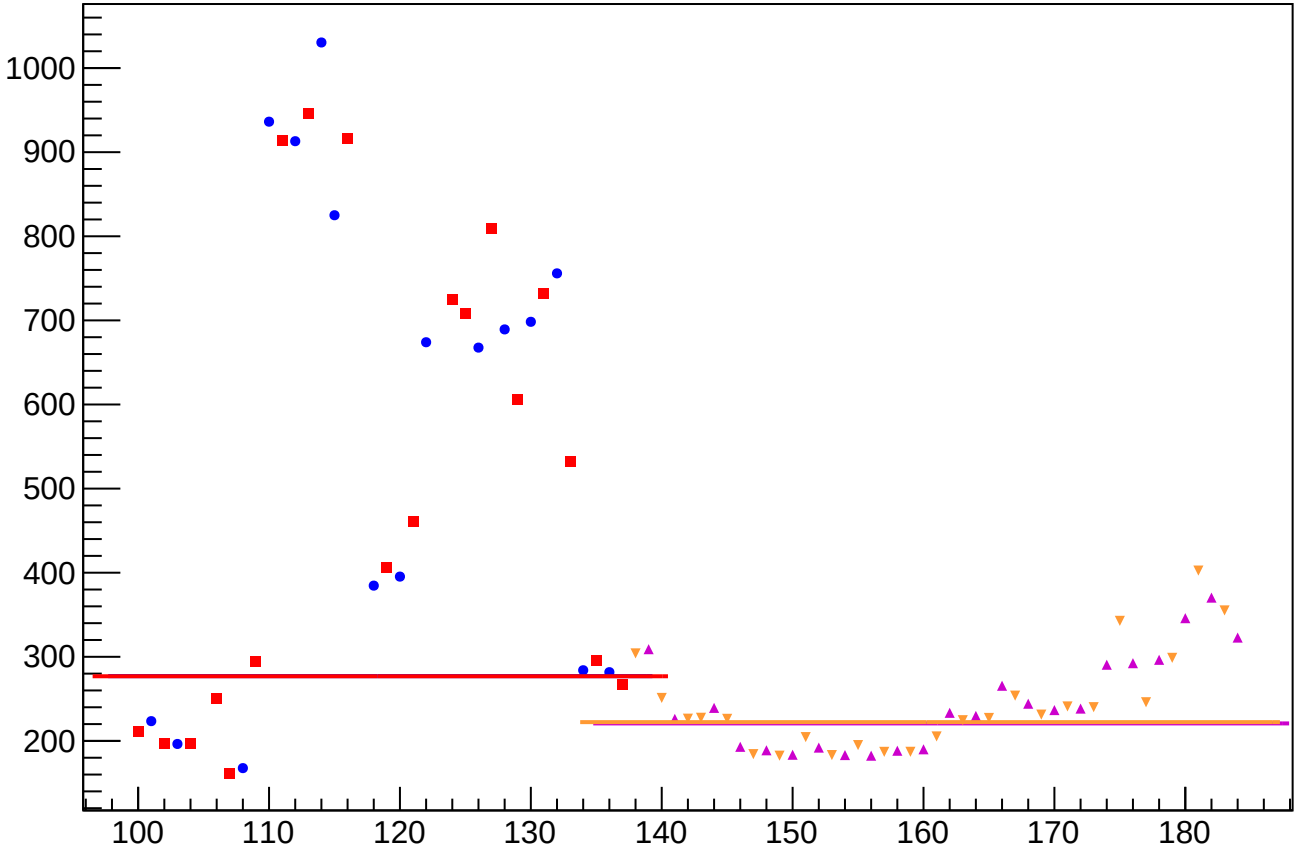
In: 6374.566+/-0.904 χ^2/NDF:1236033.0/38

Out: 6299.348+/-0.878 χ^2/NDF:1383738.3/42

All: 6335.855+/-0.630 χ^2/NDF: 2623330.7/81


diff_targ_thetaX_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
Right In: 0.160+/-0.120 χ²/NDF: 12.6/15
Left Out: 0.161+/-0.052 χ²/NDF:31.4/23
Right Out: -0.070+/-0.120 χ²/NDF: 22.5/18
Left In: -0.026+/-0.053 χ²/NDF:29.8/22
Left: 0.068+/-0.037 χ²/NDF: 67.5/46
Right: 0.045+/-0.085 χ²/NDF: 36.9/34
In: 0.004+/-0.048 χ²/NDF:44.4/38
Out: 0.124+/-0.048 χ²/NDF:57.0/42
All: 0.065+/-0.034 χ²/NDF: 104.4/81

diff_targ_thetaX_rms vs Slug, Sign Corrected



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: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.581+/-0.026 χ^2/NDF: 2912910.6/46

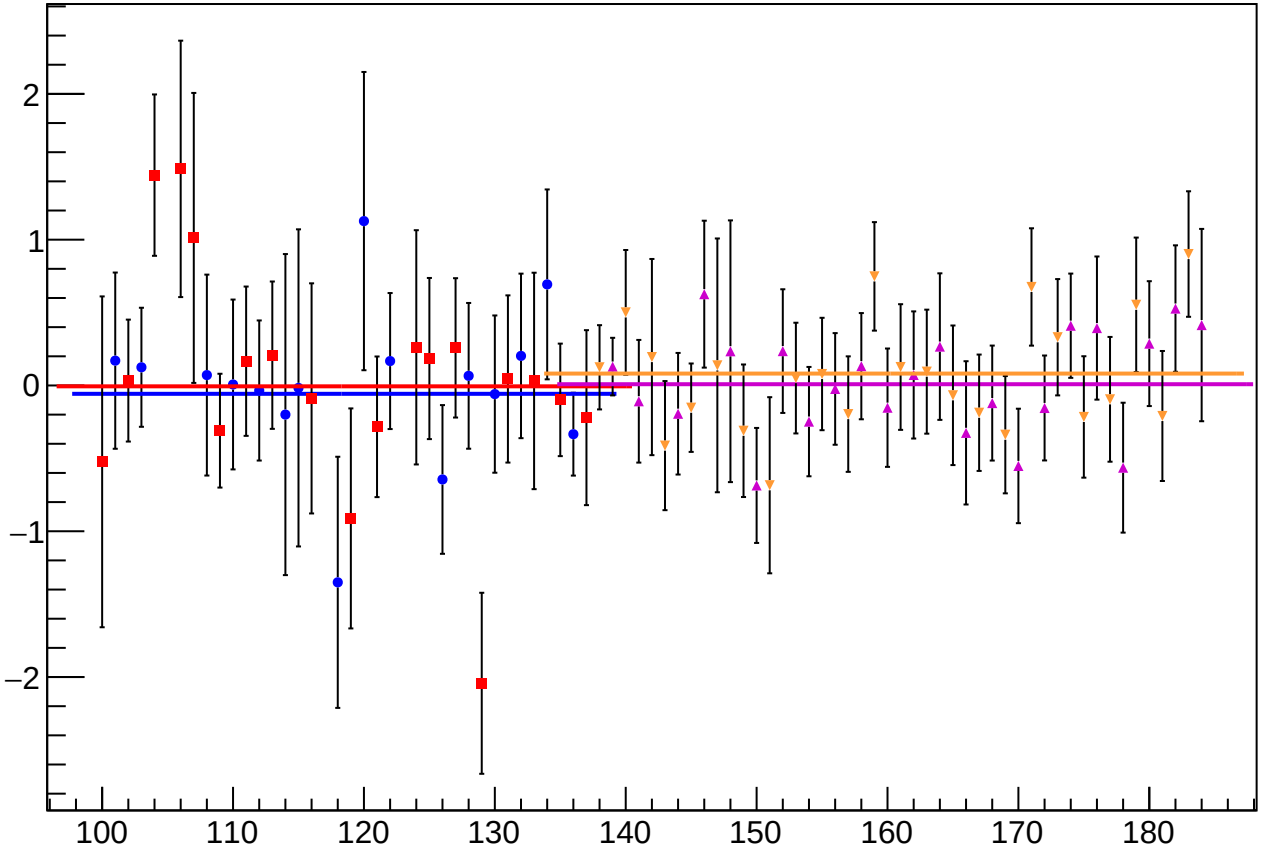
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 230.023+/-0.034 χ^2/NDF:5291523.3/38

Out: 231.045+/-0.034 χ^2/NDF:5360952.1/42

All: 230.540+/-0.024 χ^2/NDF: 10652926.4/81

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: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.044+/-0.059 χ^2/NDF: 34.5/46

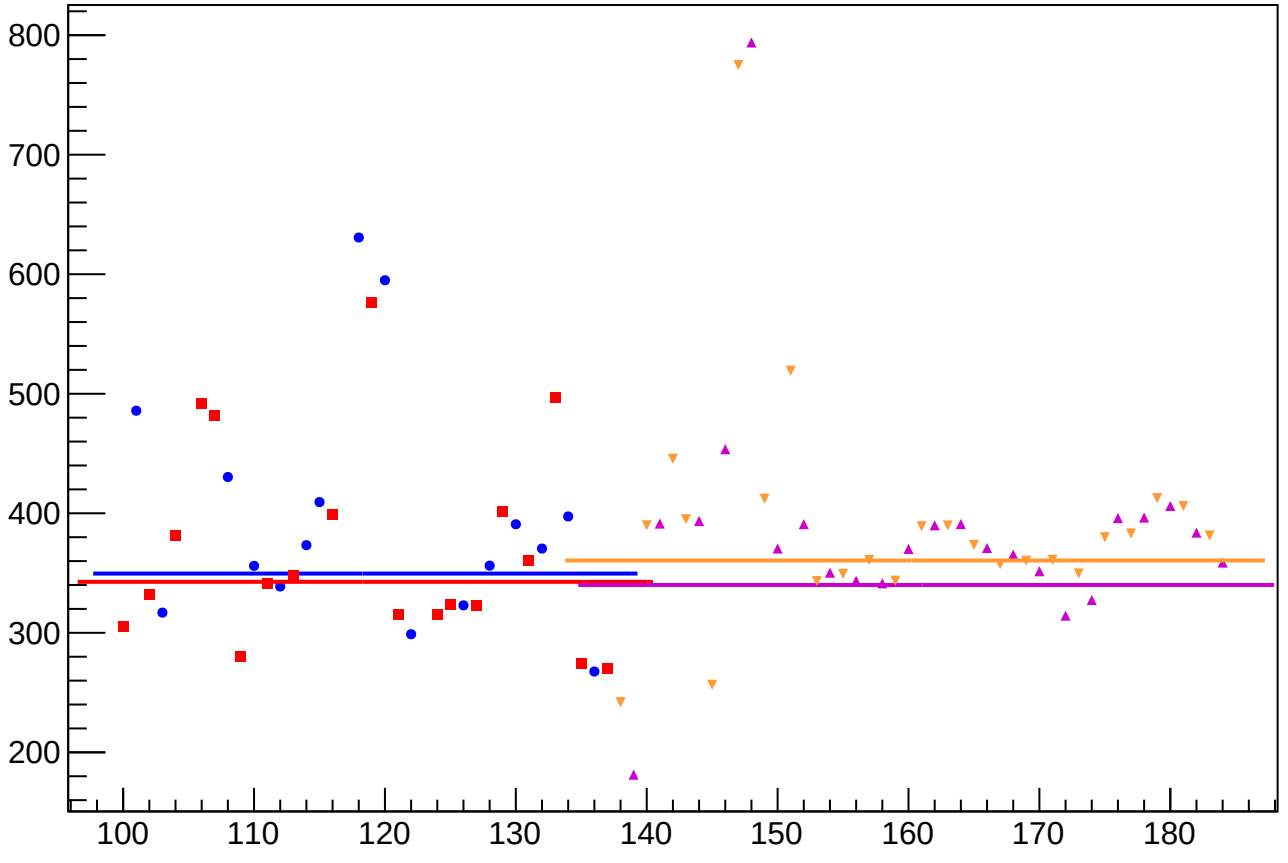
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.010+/-0.070 χ^2/NDF:23.5/38

Out: 0.055+/-0.071 χ^2/NDF:44.4/42

All: 0.022+/-0.050 χ^2/NDF: 68.4/81

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: 340.020+/-0.059 χ^2/NDF:2225094.5/22

Left: 349.997+/-0.042 χ^2/NDF: 3620477.3/46

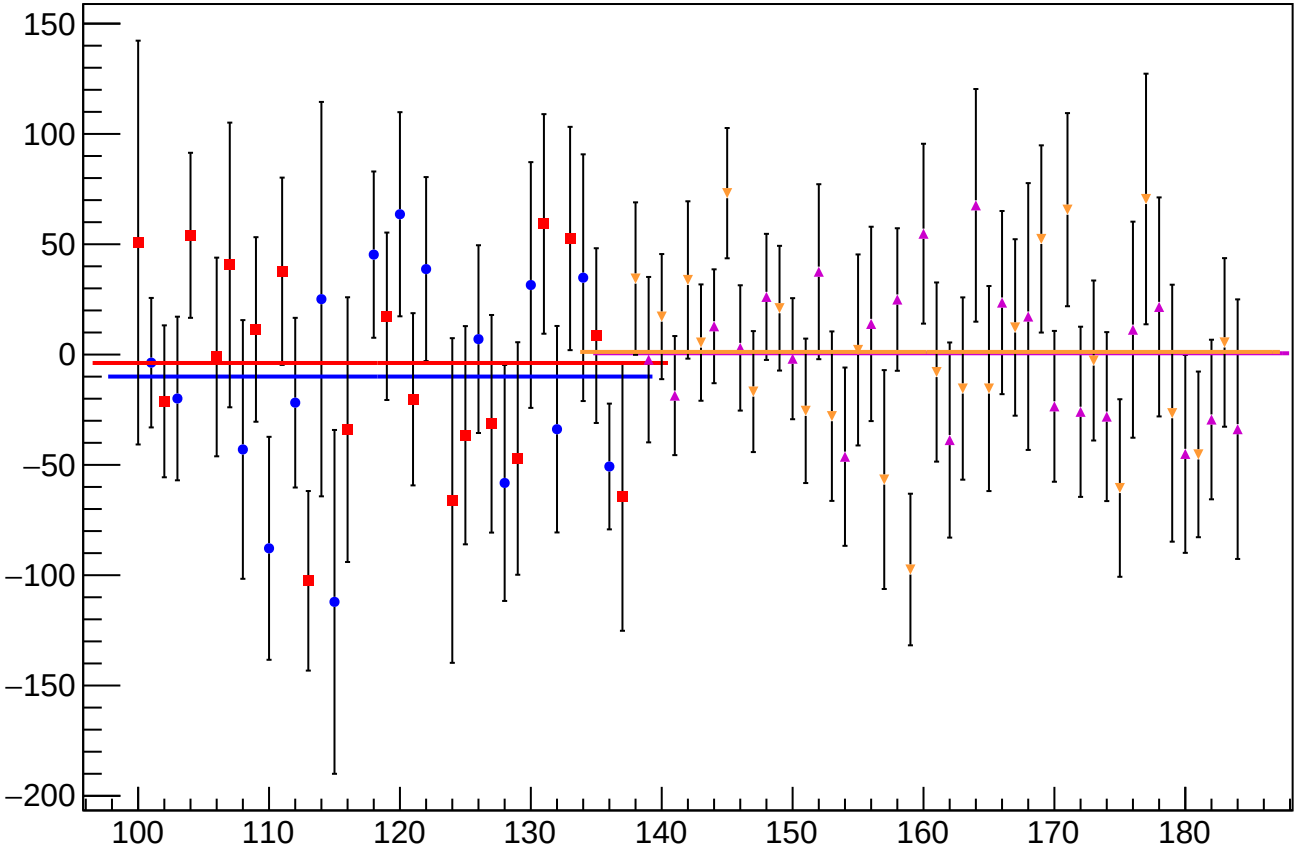
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 342.662+/-0.050 χ^2/NDF:2931750.0/38

Out: 355.096+/-0.050 χ^2/NDF:1938303.9/42

All: 348.830+/-0.035 χ^2/NDF: 4900982.3/81

diff_bpmE_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: 0.586+/-7.667 χ^2/NDF:12.8/22

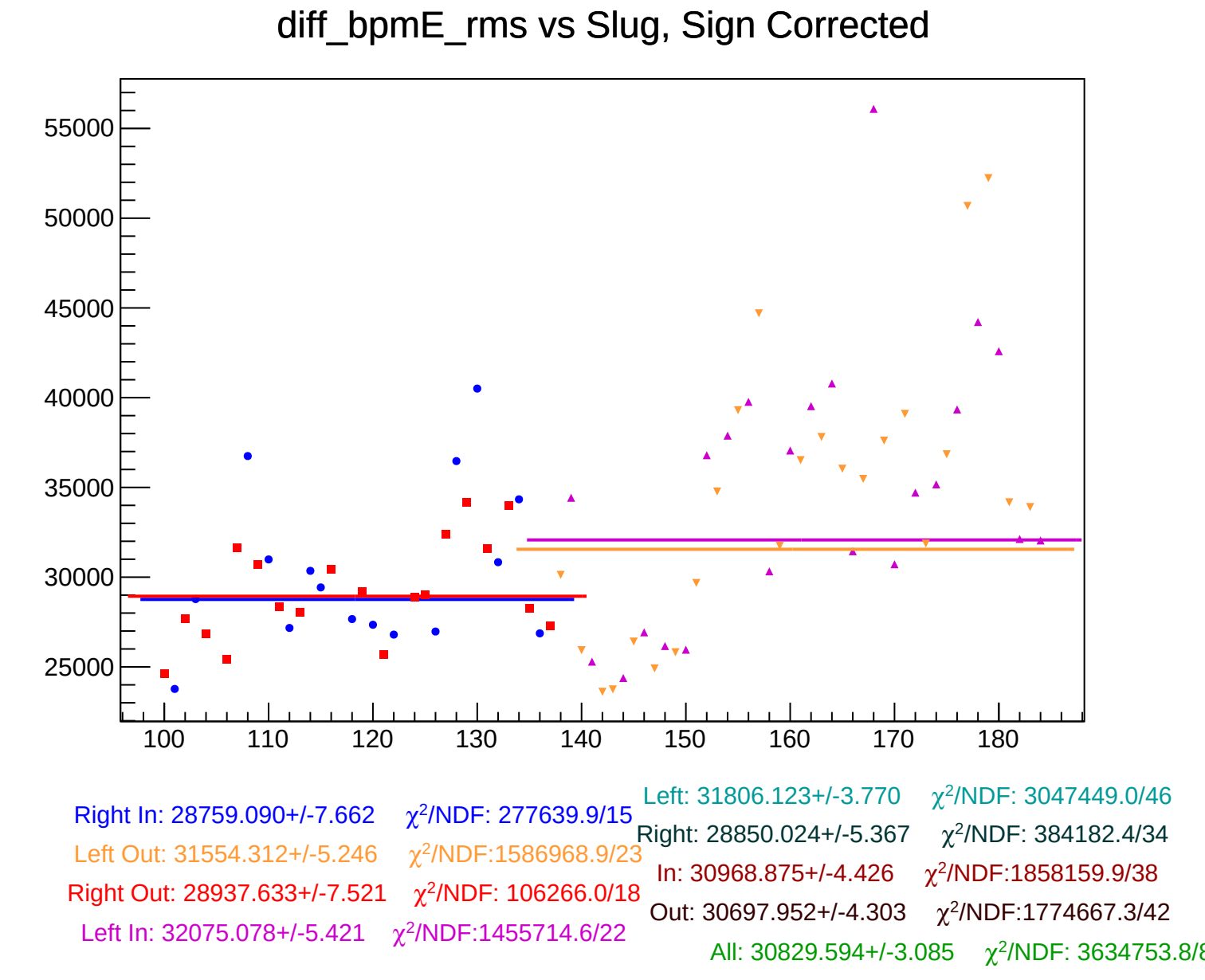
Left: 0.903+/-5.331 χ^2/NDF: 42.3/46

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

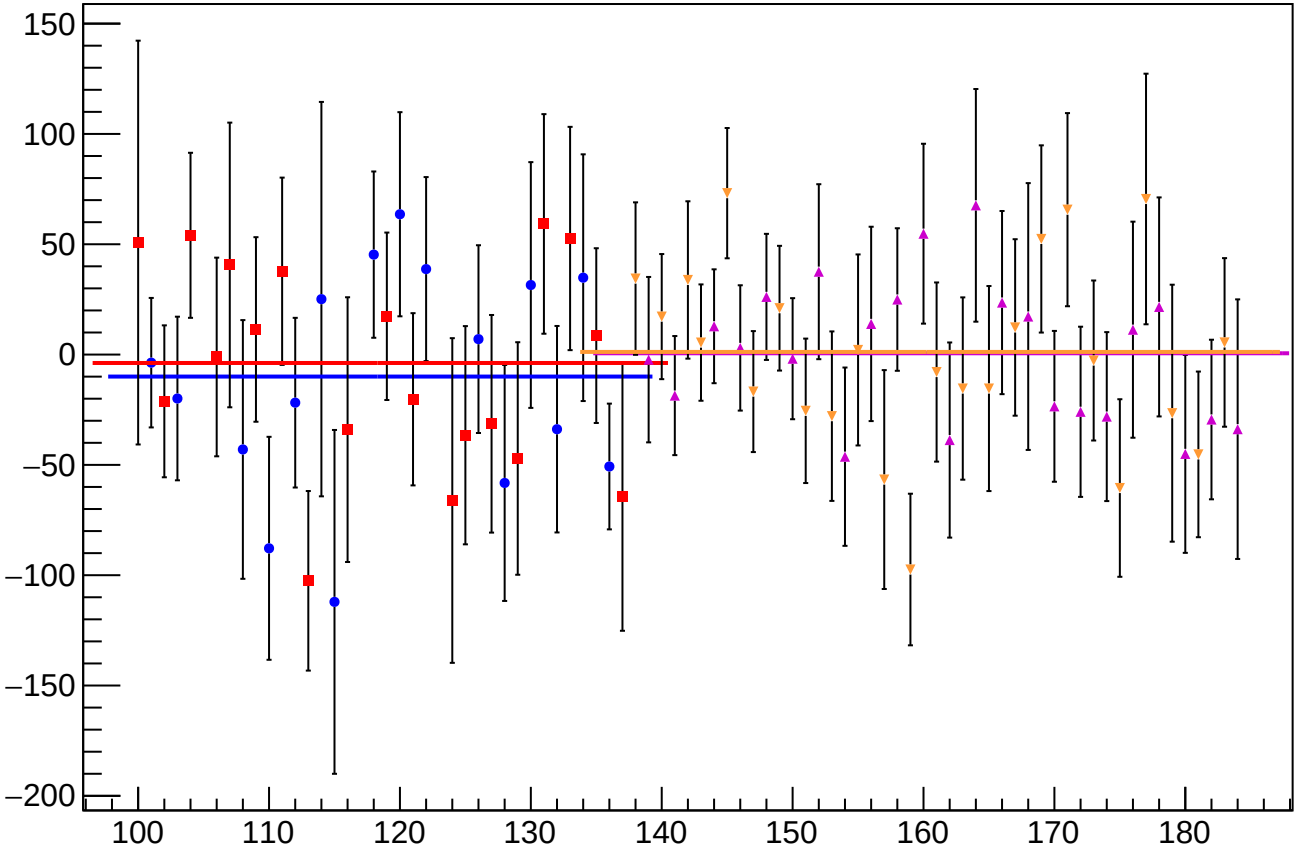
In: -2.935+/-6.259 χ^2/NDF:28.7/38

Out: -0.441+/-6.085 χ^2/NDF:46.9/42

All: -1.653+/-4.363 χ^2/NDF: 75.7/81


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: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31806.123+/-3.770 χ²/NDF: 3047449.0/46
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30968.875+/-4.426 χ²/NDF:1858159.9/38
Out: 30697.952+/-4.303 χ²/NDF:1774667.3/42
All: 30829.594+/-3.085 χ²/NDF: 3634753.8/8

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: 0.586+/-7.667 χ^2/NDF:12.8/22

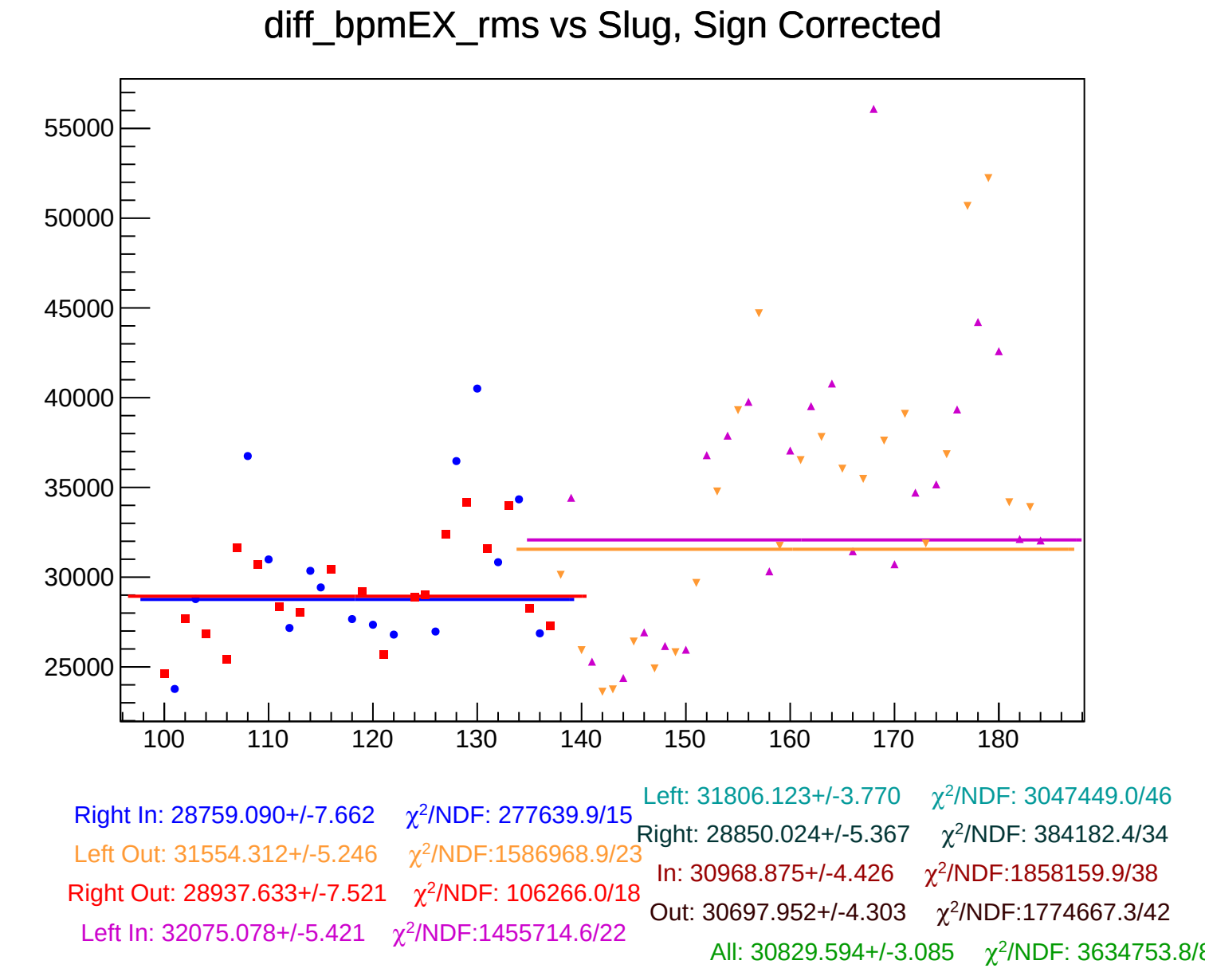
Left: 0.903+/-5.331 χ^2/NDF: 42.3/46

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -2.935+/-6.259 χ^2/NDF:28.7/38

Out: -0.441+/-6.085 χ^2/NDF:46.9/42

All: -1.653+/-4.363 χ^2/NDF: 75.7/81


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
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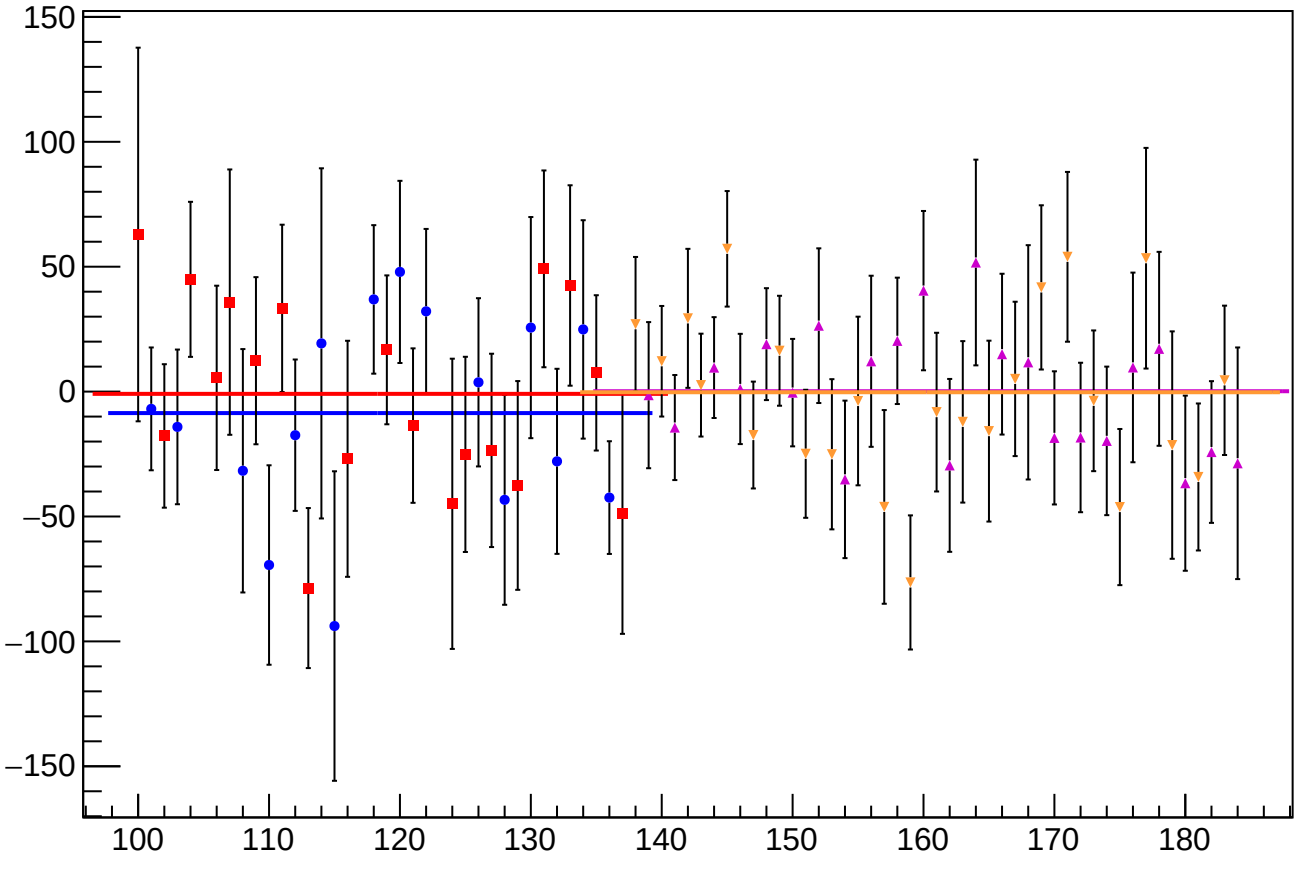
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 31554.312+/-5.246 χ²/NDF:1586968.9/23
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31806.123+/-3.770 χ²/NDF: 3047449.0/46
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30968.875+/-4.426 χ²/NDF:1858159.9/38
Out: 30697.952+/-4.303 χ²/NDF:1774667.3/42
All: 30829.594+/-3.085 χ²/NDF: 3634753.8/8



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -0.255+/-5.788 χ^2/NDF:30.7/23

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

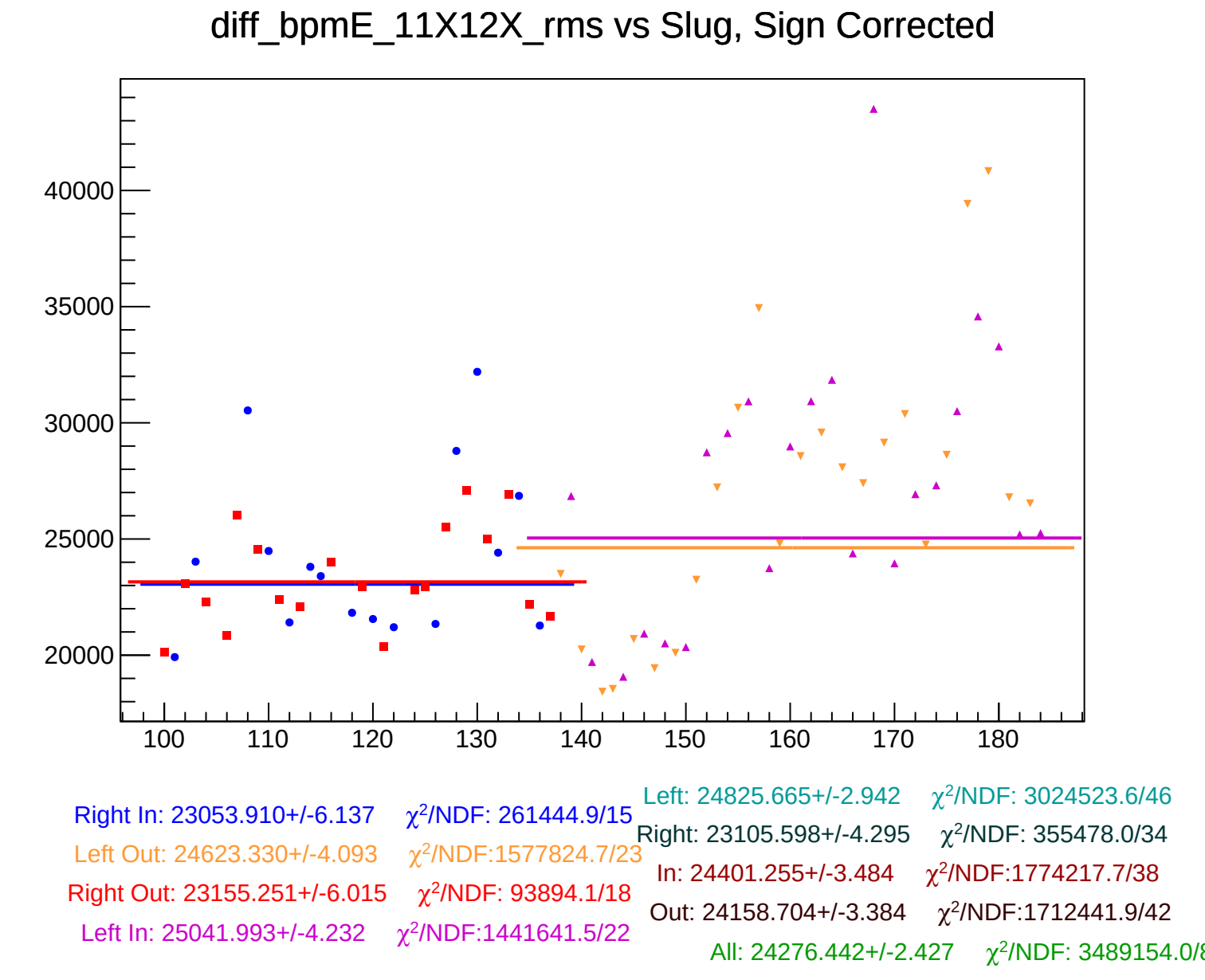
Left: -0.061+/-4.160 χ^2/NDF: 42.8/46

Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

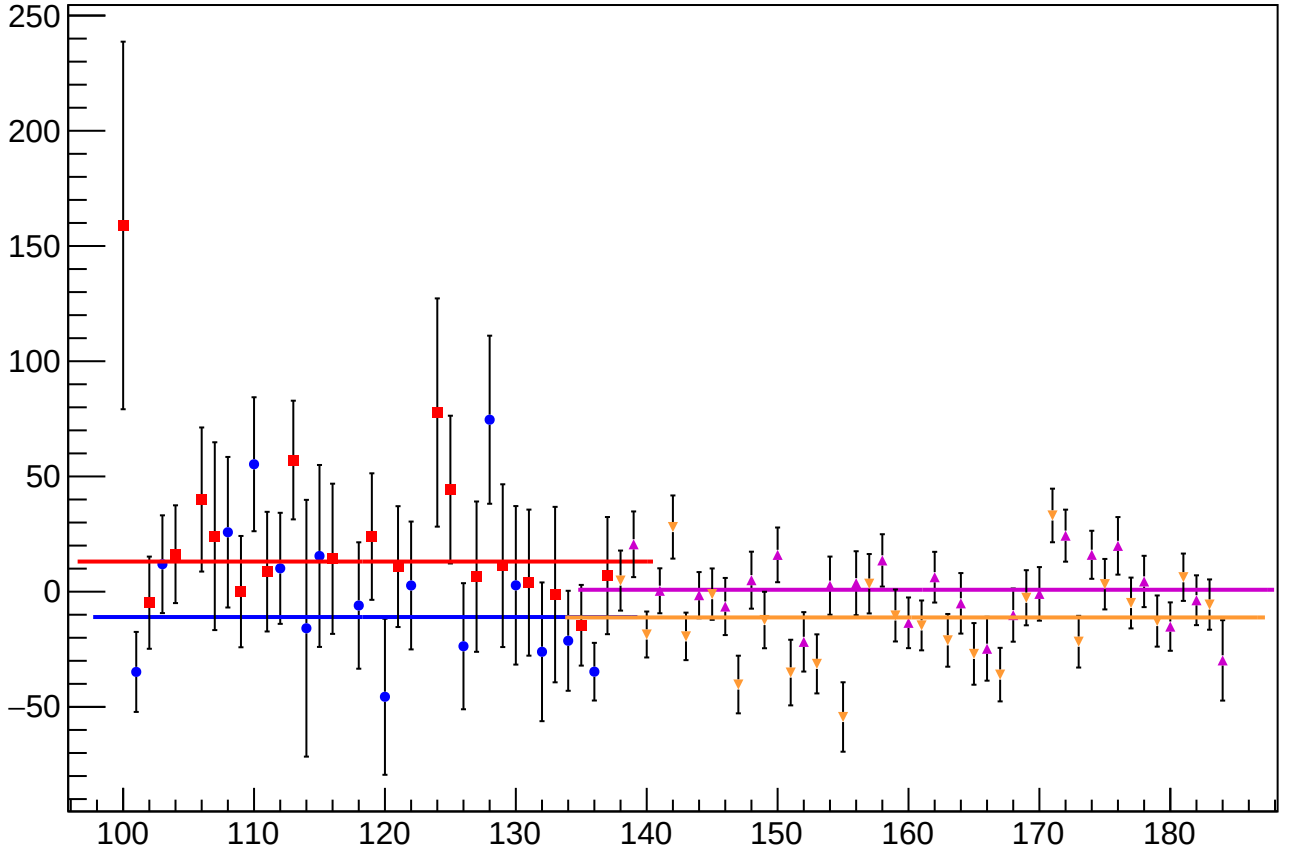
In: -2.672+/-4.927 χ^2/NDF:28.3/38

Out: -0.461+/-4.785 χ^2/NDF:48.3/42

All: -1.534+/-3.433 χ^2/NDF: 76.7/81


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
180
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 24623.330+/-4.093 χ²/NDF:1577824.7/23
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24825.665+/-2.942 χ²/NDF: 3024523.6/46
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 24401.255+/-3.484 χ²/NDF:1774217.7/38
Out: 24158.704+/-3.384 χ²/NDF:1712441.9/42
All: 24276.442+/-2.427 χ²/NDF: 3489154.0/8

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: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.344+/-1.713 χ^2/NDF: 101.5/46

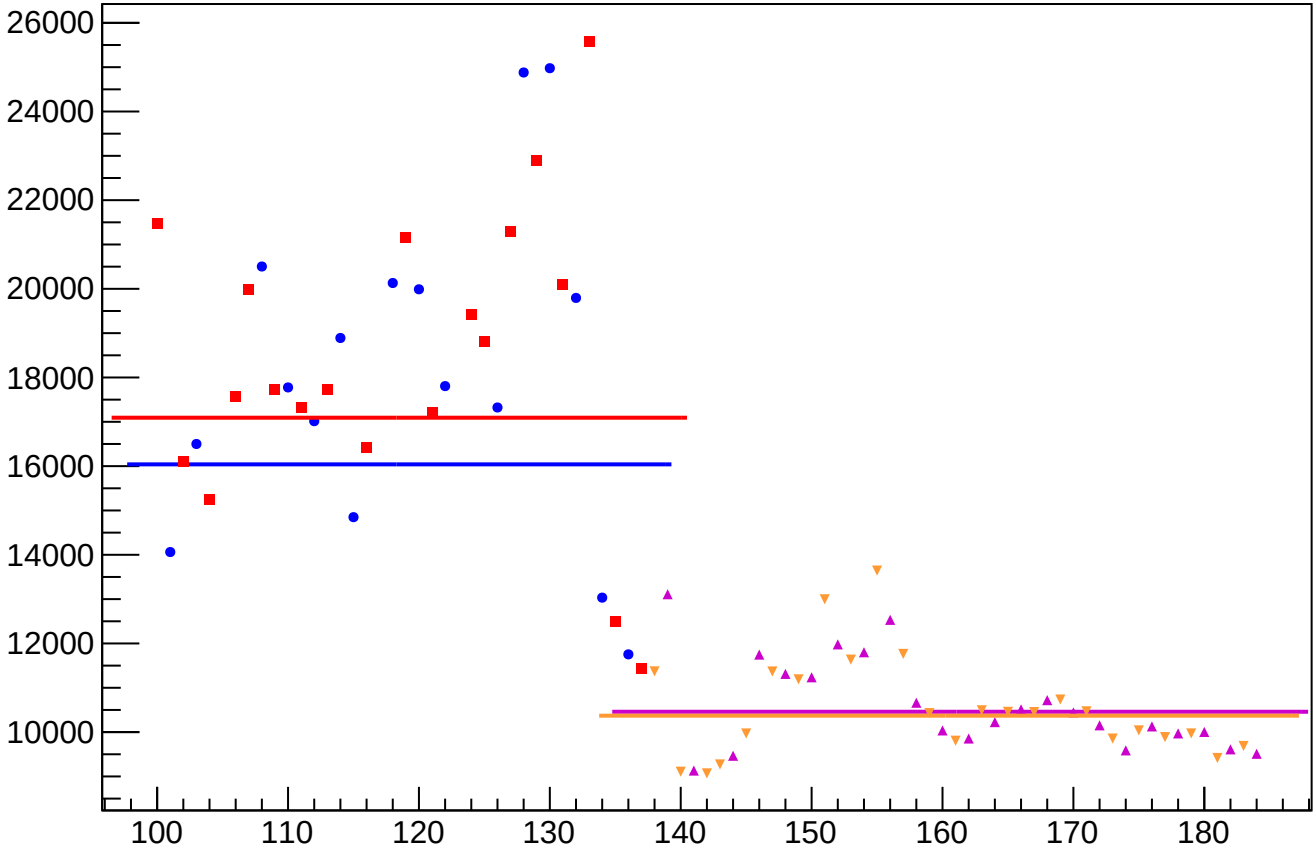
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -0.800+/-2.282 χ^2/NDF:54.6/38

Out: -8.198+/-2.238 χ^2/NDF:86.4/42

All: -4.571+/-1.598 χ^2/NDF: 146.3/81

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: 10459.060+/-1.737 χ^2/NDF:314636.9/22

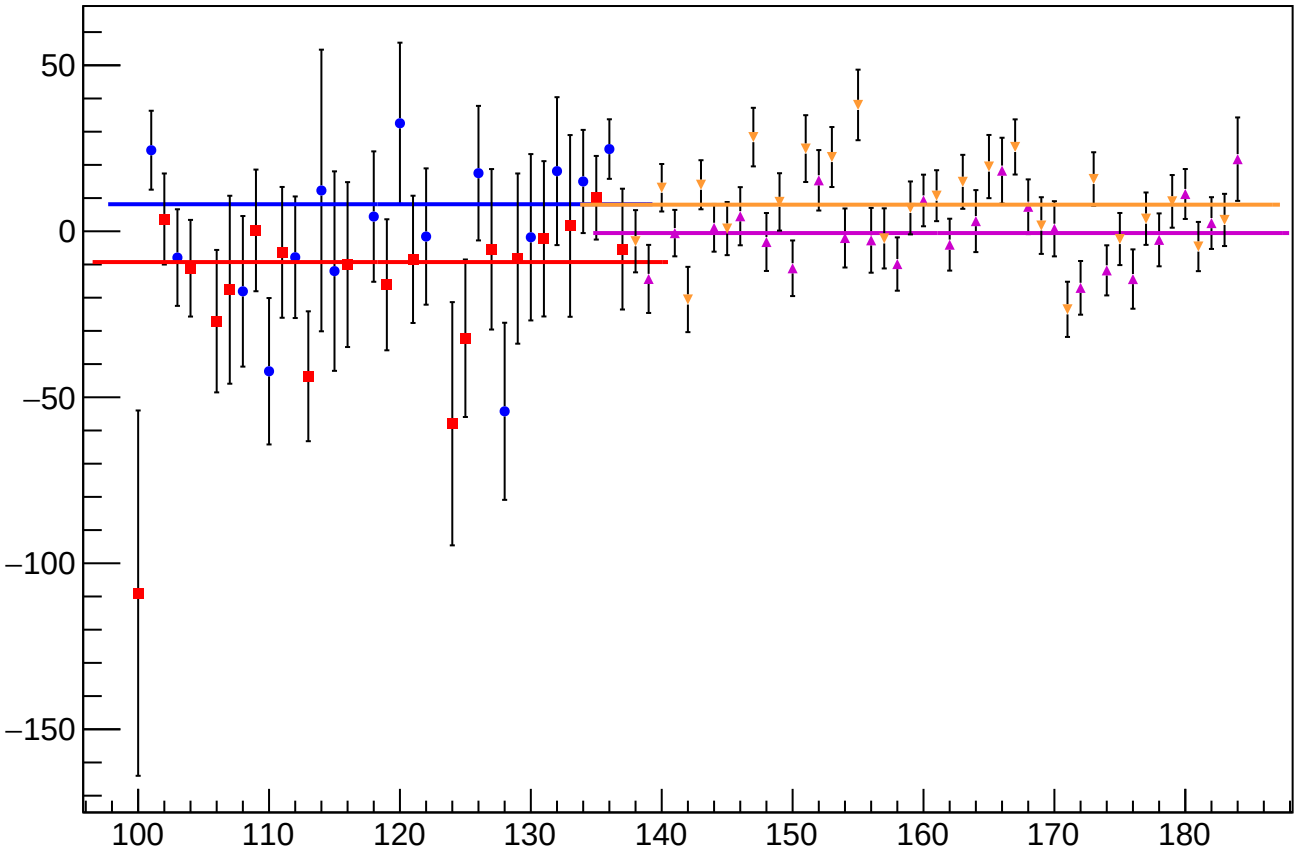
Left: 10413.602+/-1.211 χ^2/NDF: 675713.3/46

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 11226.196+/-1.614 χ^2/NDF:2455696.2/38

Out: 11196.972+/-1.582 χ^2/NDF:2841309.1/42

All: 11211.297+/-1.130 χ^2/NDF: 5297172.6/8



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: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.859+/-1.222 χ^2/NDF: 101.2/46

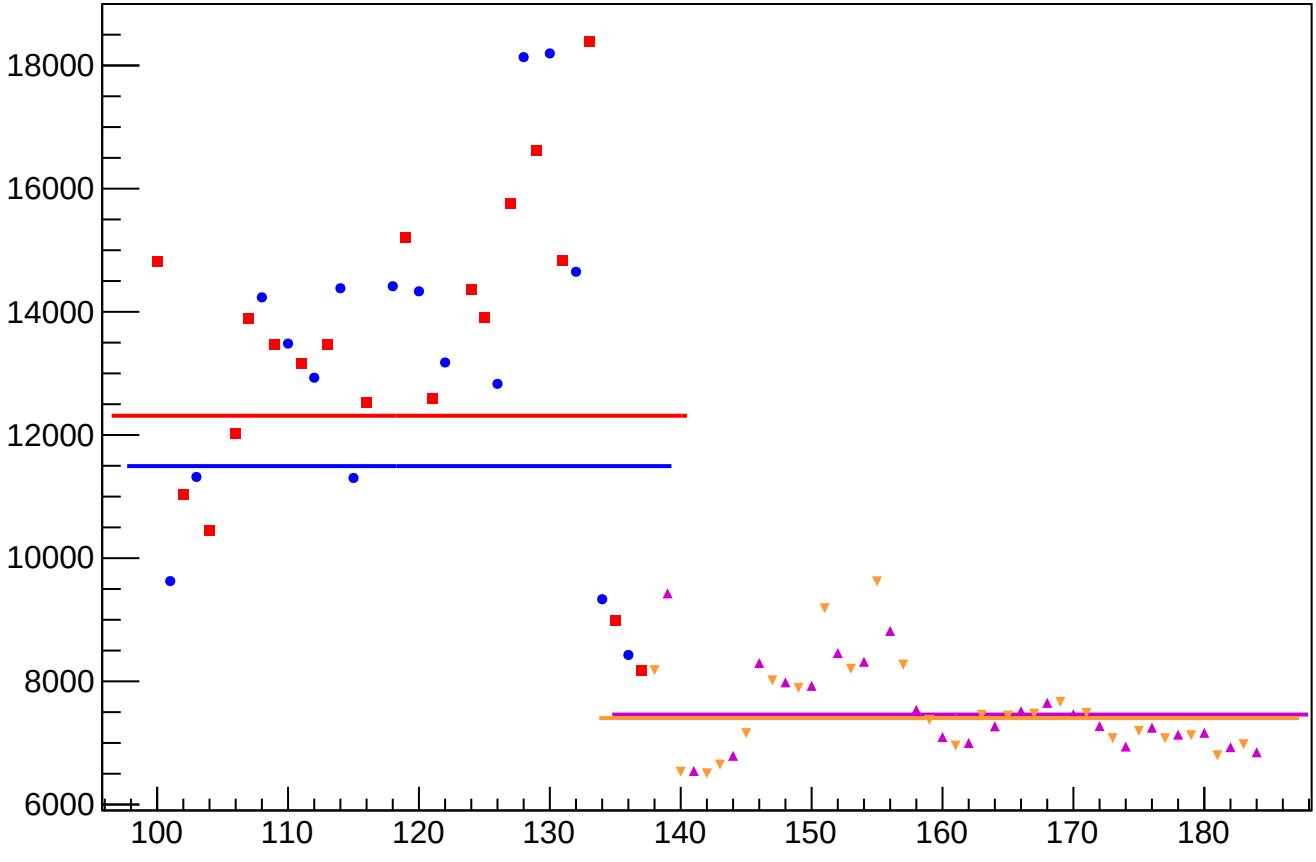
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 0.646+/-1.629 χ^2/NDF:54.6/38

Out: 5.935+/-1.599 χ^2/NDF:85.8/42

All: 3.340+/-1.141 χ^2/NDF: 145.7/81

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: 7460.824+/-1.239 χ^2/NDF:284034.9/22

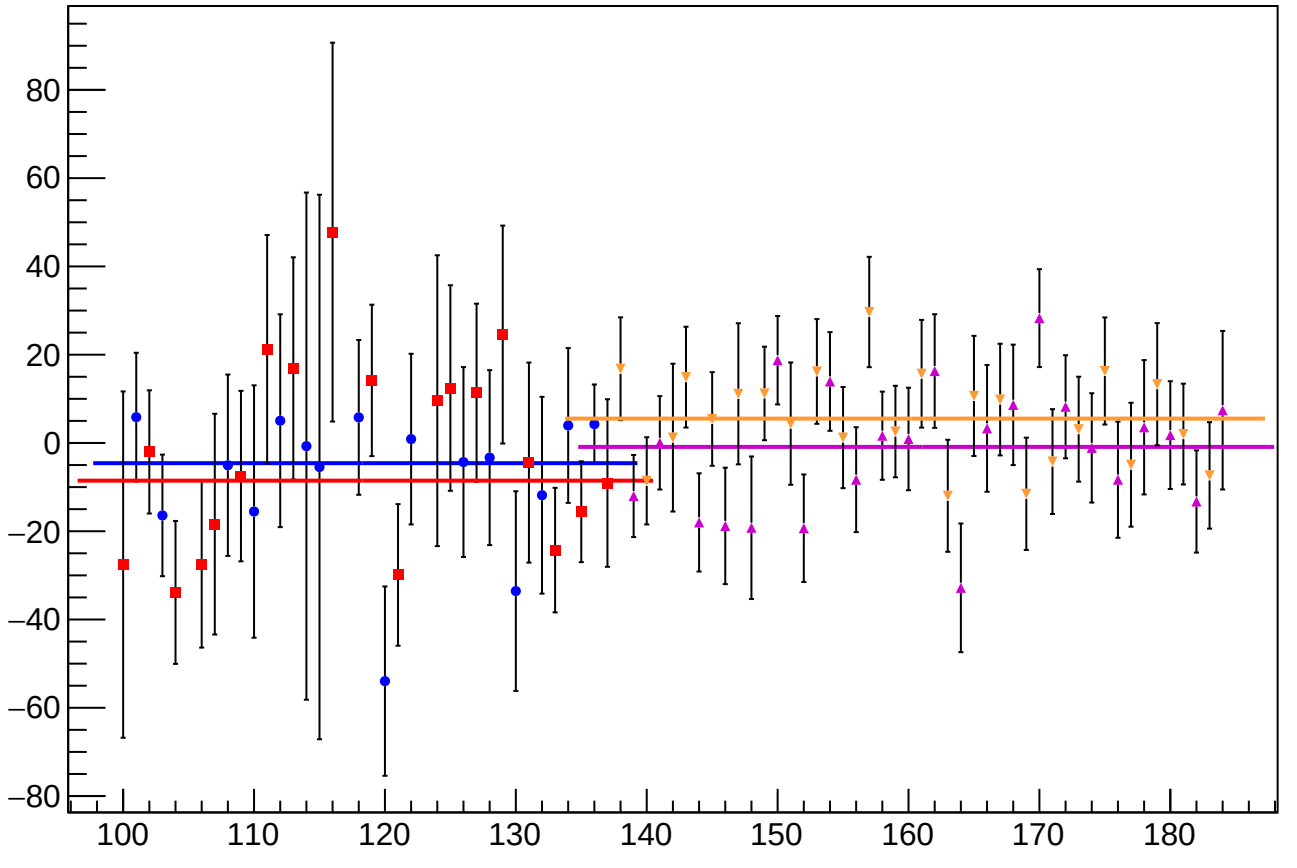
Left: 7431.270+/-0.864 χ^2/NDF: 607021.5/46

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8007.966+/-1.152 χ^2/NDF:2512272.2/38

Out: 7994.476+/-1.131 χ^2/NDF:2918035.0/42

All: 8001.095+/-0.807 χ^2/NDF: 5430377.0/81



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: -0.891+/-2.519 χ^2/NDF:31.8/22

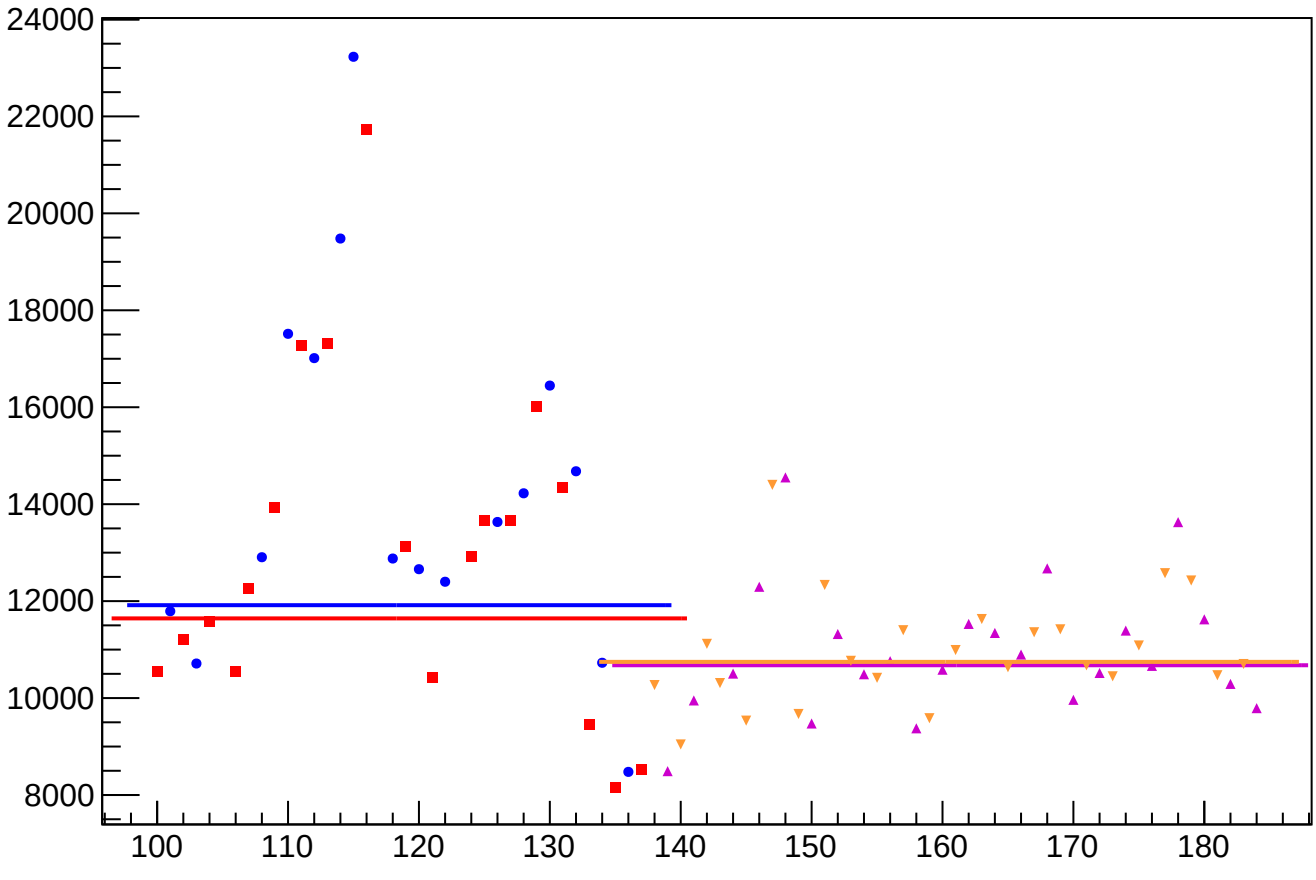
Left: 2.368+/-1.767 χ^2/NDF: 52.2/46

Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -1.755+/-2.204 χ^2/NDF:42.5/38

Out: 2.128+/-2.159 χ^2/NDF:42.1/42

All: 0.227+/-1.542 χ^2/NDF: 86.2/81



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: 10677.154+/-1.781 χ^2/NDF:500574.4/22

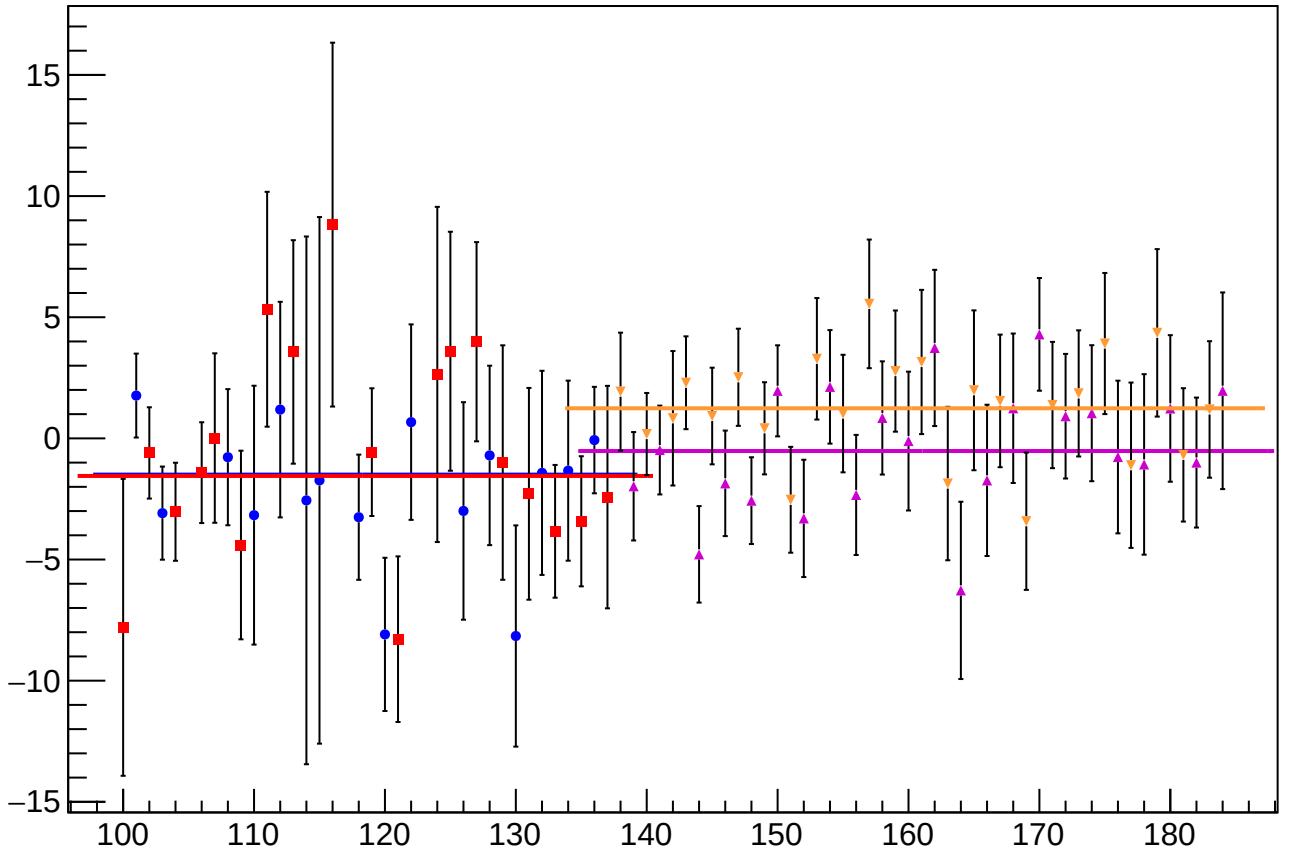
Left: 10712.610+/-1.249 χ^2/NDF: 866063.2/46

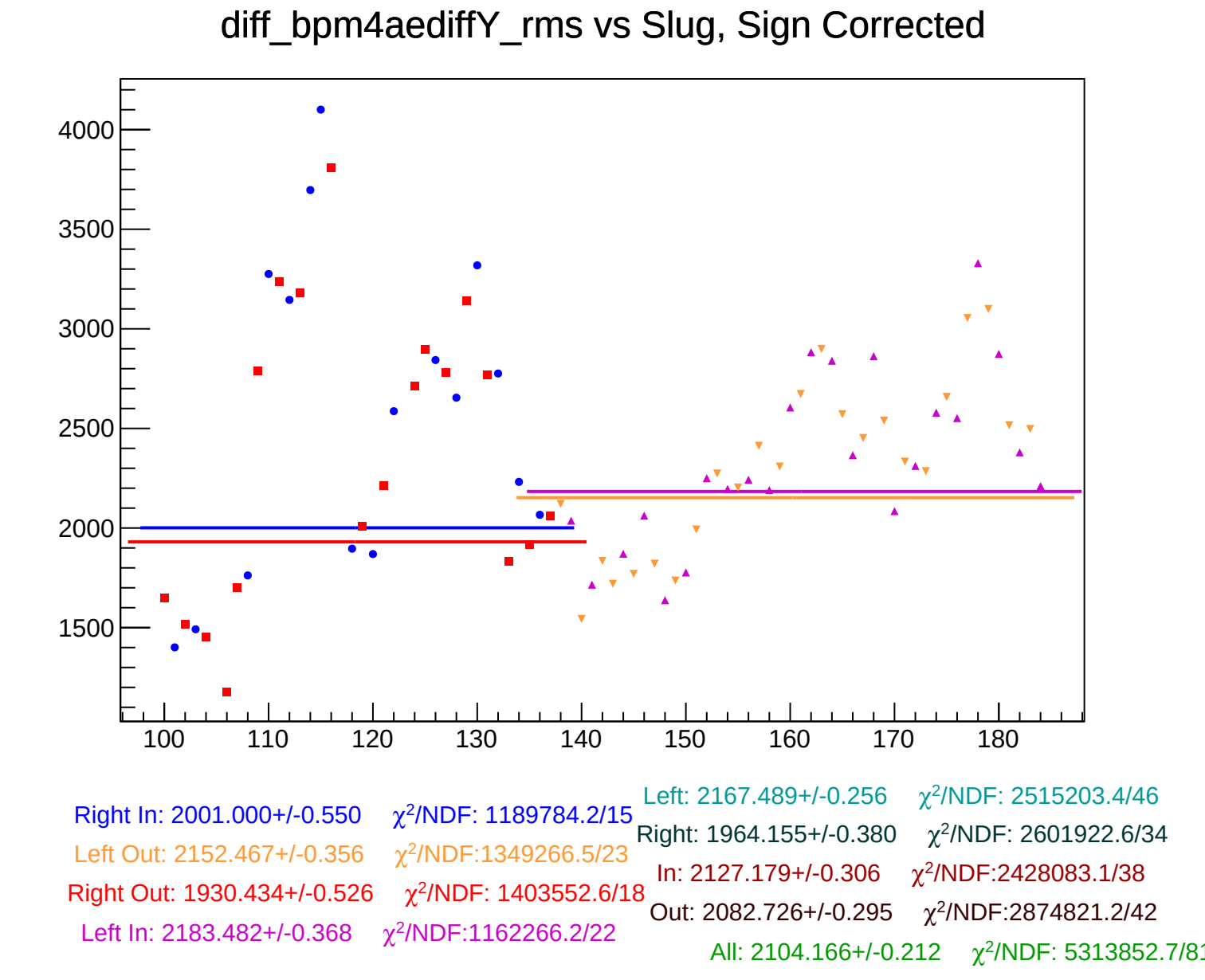
Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10967.385+/-1.558 χ^2/NDF:1363753.4/38

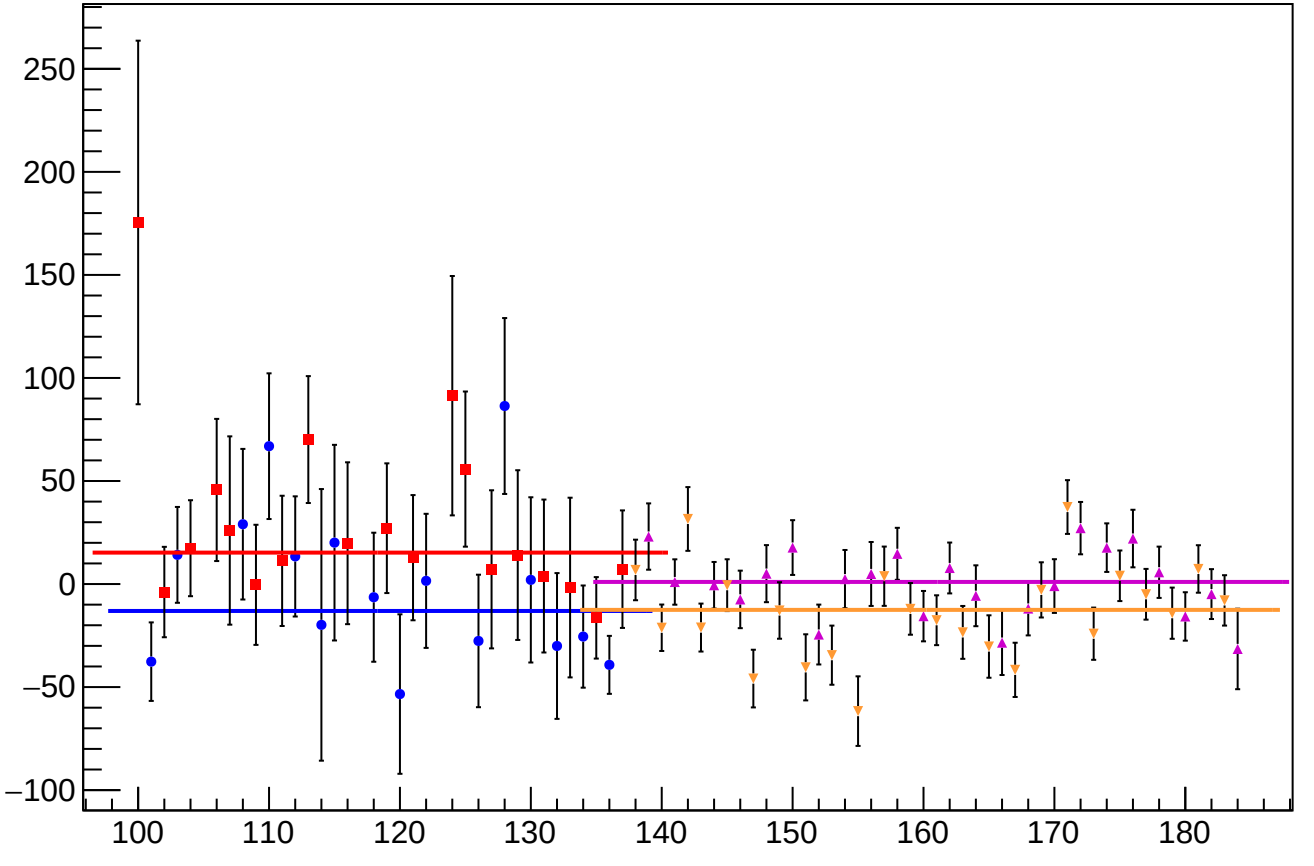
Out: 10963.532+/-1.526 χ^2/NDF:1218286.9/42

All: 10965.419+/-1.090 χ^2/NDF: 2582043.4/8


diff_bpm4aediffY_mean vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
180
Right In: -1.496+/-0.778 χ²/NDF: 12.6/15
Left Out: 1.242+/-0.504 χ²/NDF:14.9/23
Right Out: -1.551+/-0.745 χ²/NDF: 16.3/18
Left In: -0.522+/-0.520 χ²/NDF:22.3/22
Left: 0.388+/-0.362 χ²/NDF: 43.2/46
Right: -1.525+/-0.538 χ²/NDF: 28.9/34
In: -0.822+/-0.432 χ²/NDF:36.0/38
Out: 0.365+/-0.417 χ²/NDF:40.8/42
All: -0.208+/-0.300 χ²/NDF: 80.7/81


diff_bpm4aediffY_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
170
180
Right In: 2001.000+/-0.550 χ²/NDF: 1189784.2/15
Left Out: 2152.467+/-0.356 χ²/NDF:1349266.5/23
Right Out: 1930.434+/-0.526 χ²/NDF: 1403552.6/18
Left In: 2183.482+/-0.368 χ²/NDF:1162266.2/22
Left: 2167.489+/-0.256 χ²/NDF: 2515203.4/46
Right: 1964.155+/-0.380 χ²/NDF: 2601922.6/34
In: 2127.179+/-0.306 χ²/NDF:2428083.1/38
Out: 2082.726+/-0.295 χ²/NDF:2874821.2/42
All: 2104.166+/-0.212 χ²/NDF: 5313852.7/81

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: 1.024+/-2.758 χ^2/NDF:28.8/22

Left: -5.944+/-1.923 χ^2/NDF: 102.4/46

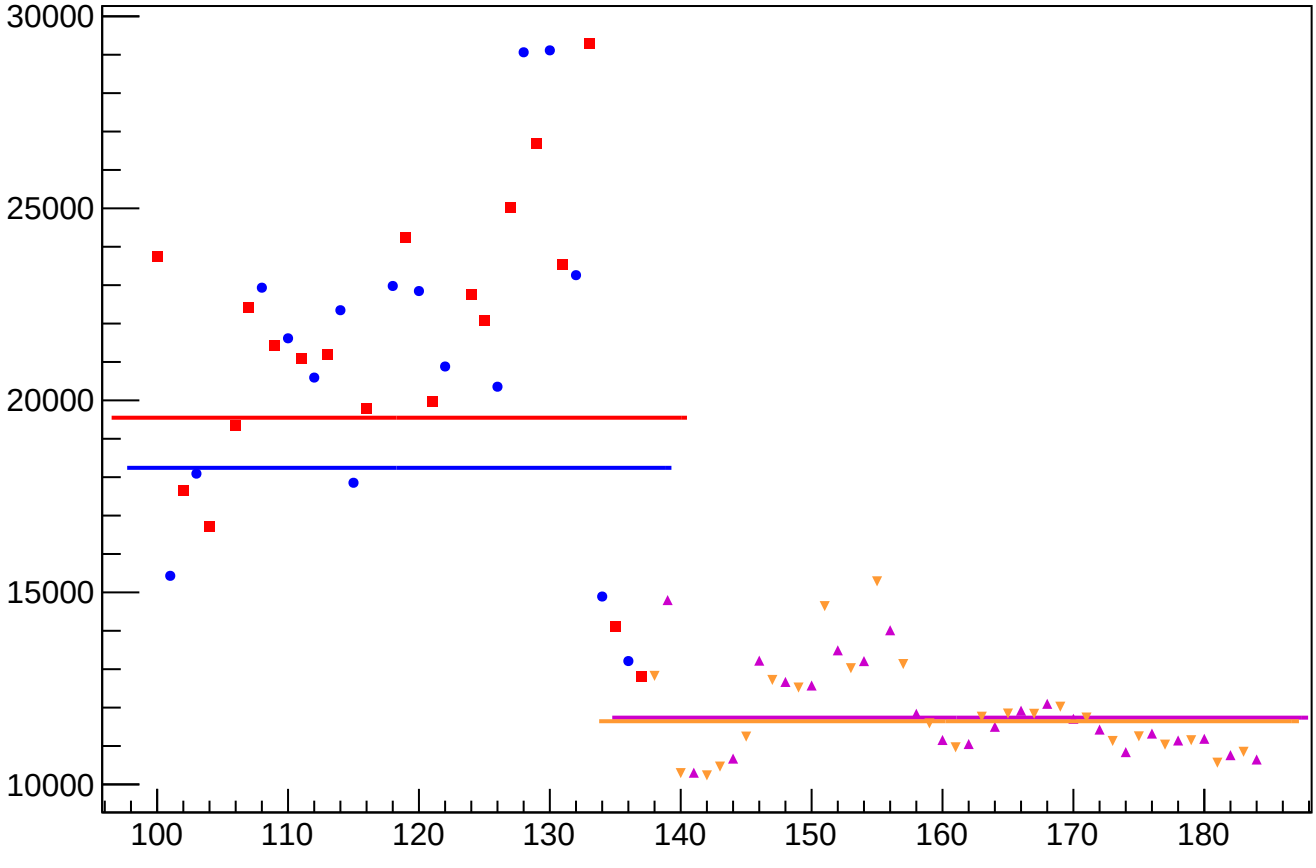
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -0.857+/-2.567 χ^2/NDF:54.1/38

Out: -9.248+/-2.519 χ^2/NDF:88.3/42

All: -5.132+/-1.798 χ^2/NDF: 147.8/81

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: 11738.371+/-1.950 χ^2/NDF:313542.0/22

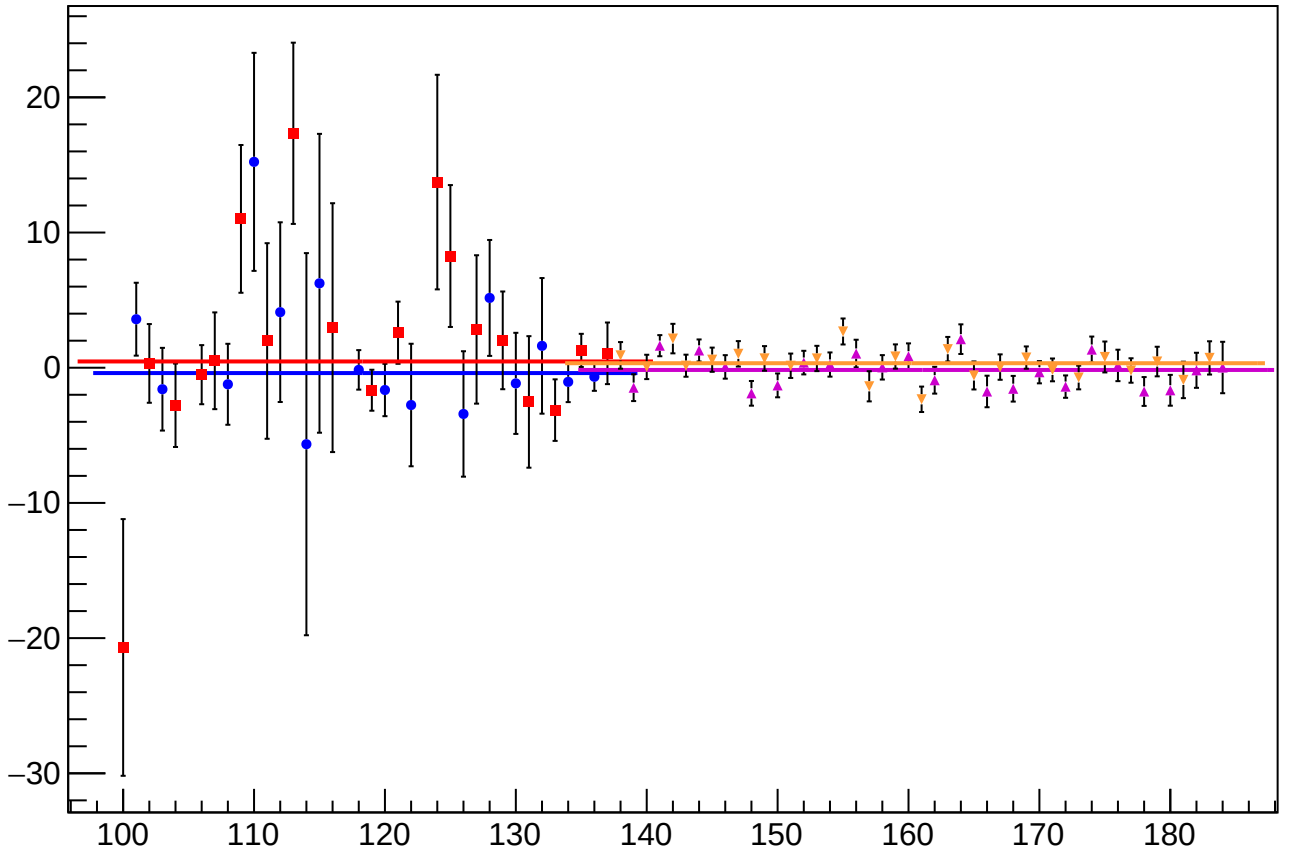
Left: 11690.389+/-1.360 χ^2/NDF: 666933.8/46

Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 12606.565+/-1.815 χ^2/NDF:2618767.5/38

Out: 12580.588+/-1.781 χ^2/NDF:3029072.3/42

All: 12593.331+/-1.271 χ^2/NDF: 5647944.1/8



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: -0.165+/-0.201 χ^2/NDF:36.3/22

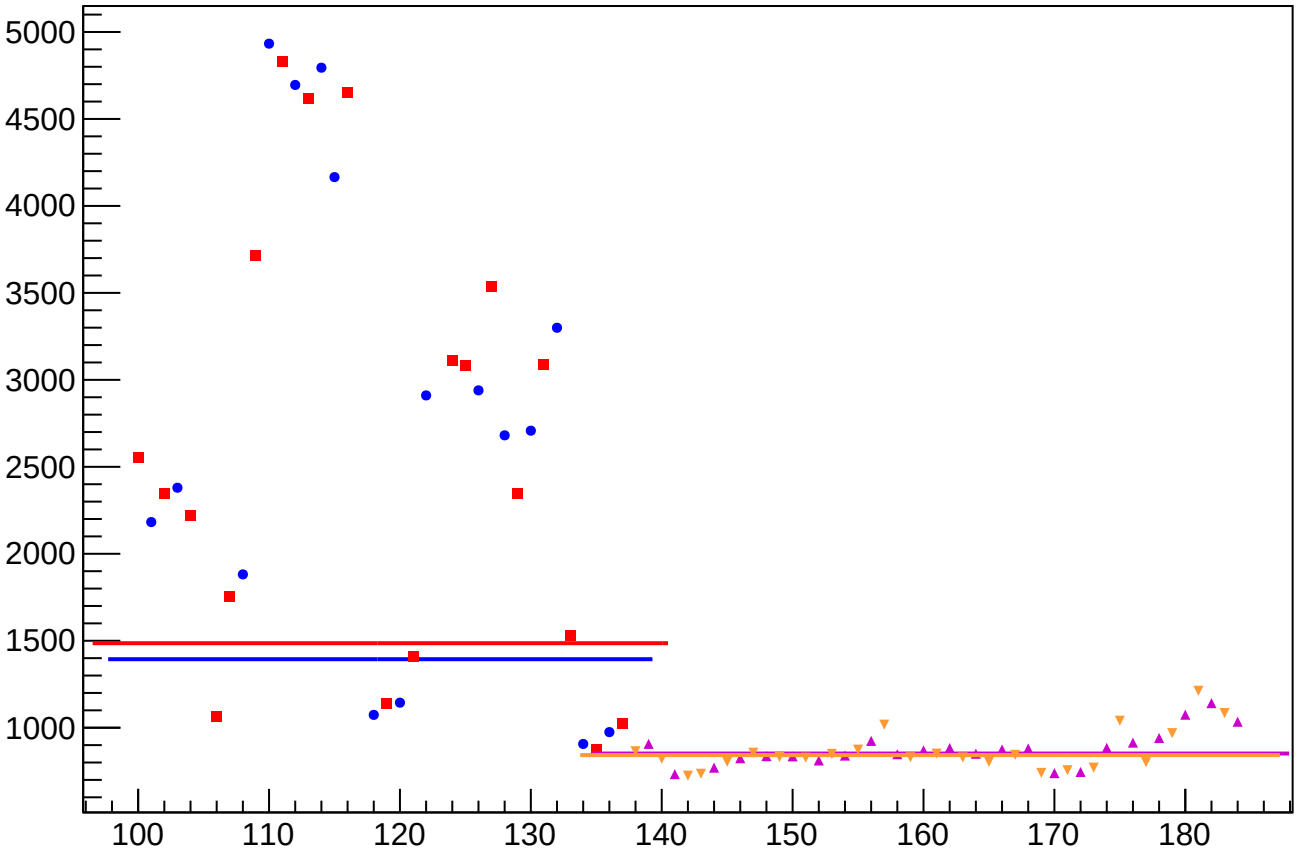
Left: 0.092+/-0.140 χ^2/NDF: 66.1/46

Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.188+/-0.190 χ^2/NDF:46.9/38

Out: 0.345+/-0.186 χ^2/NDF:54.7/42

All: 0.084+/-0.133 χ^2/NDF: 105.6/81



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: 851.618+/-0.142 χ^2/NDF:382555.6/22

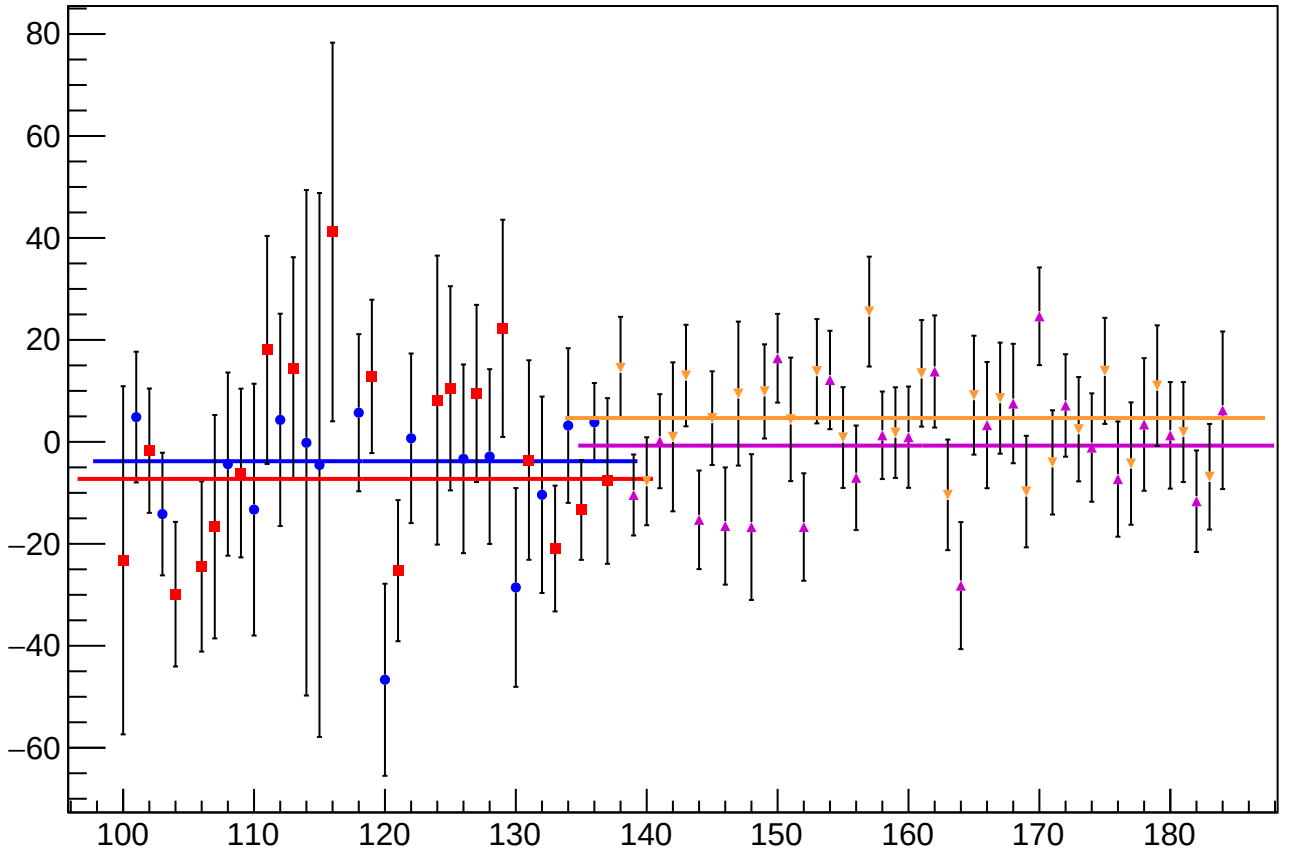
Left: 846.991+/-0.099 χ^2/NDF: 887982.9/46

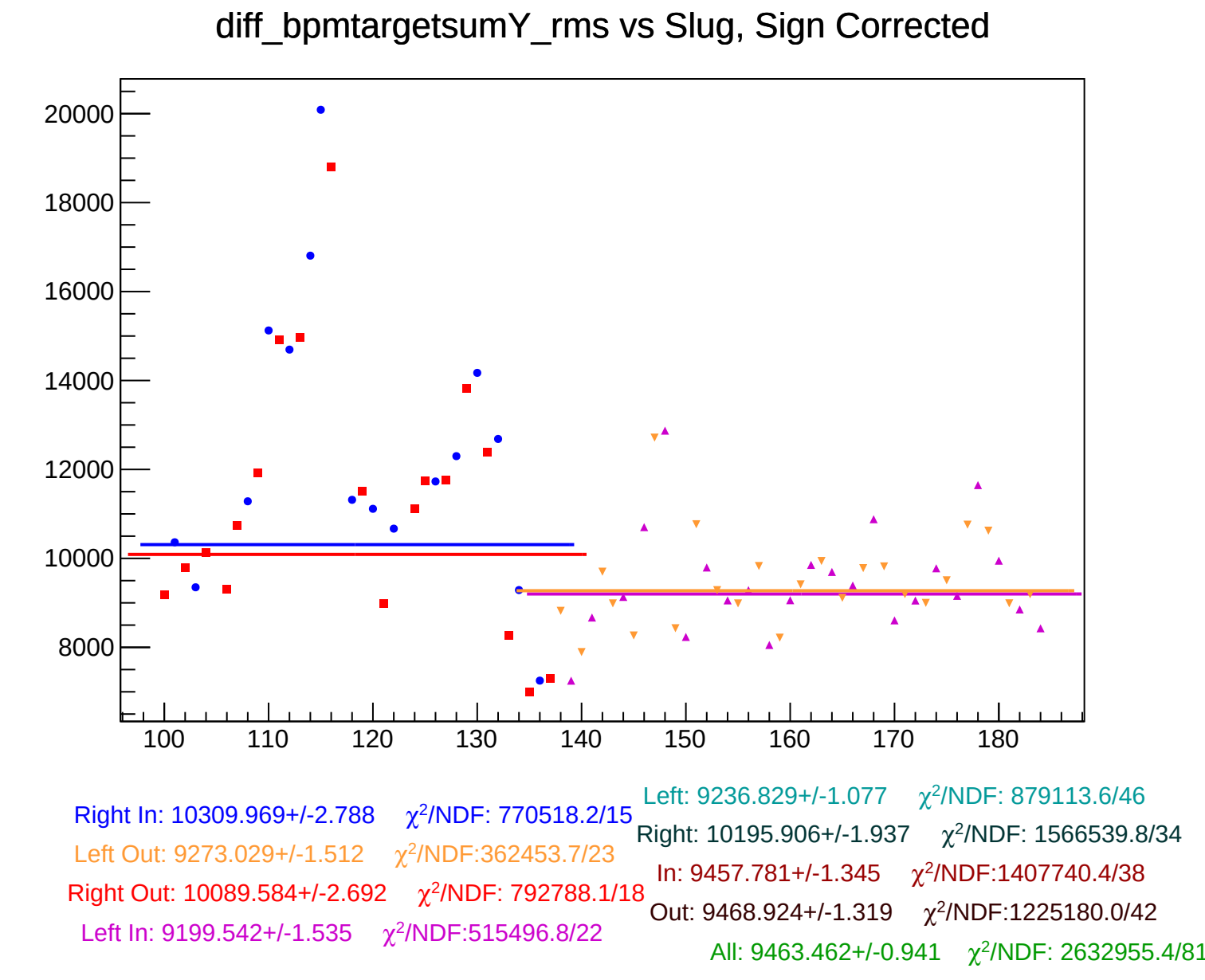
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 906.250+/-0.135 χ^2/NDF:5232113.2/38

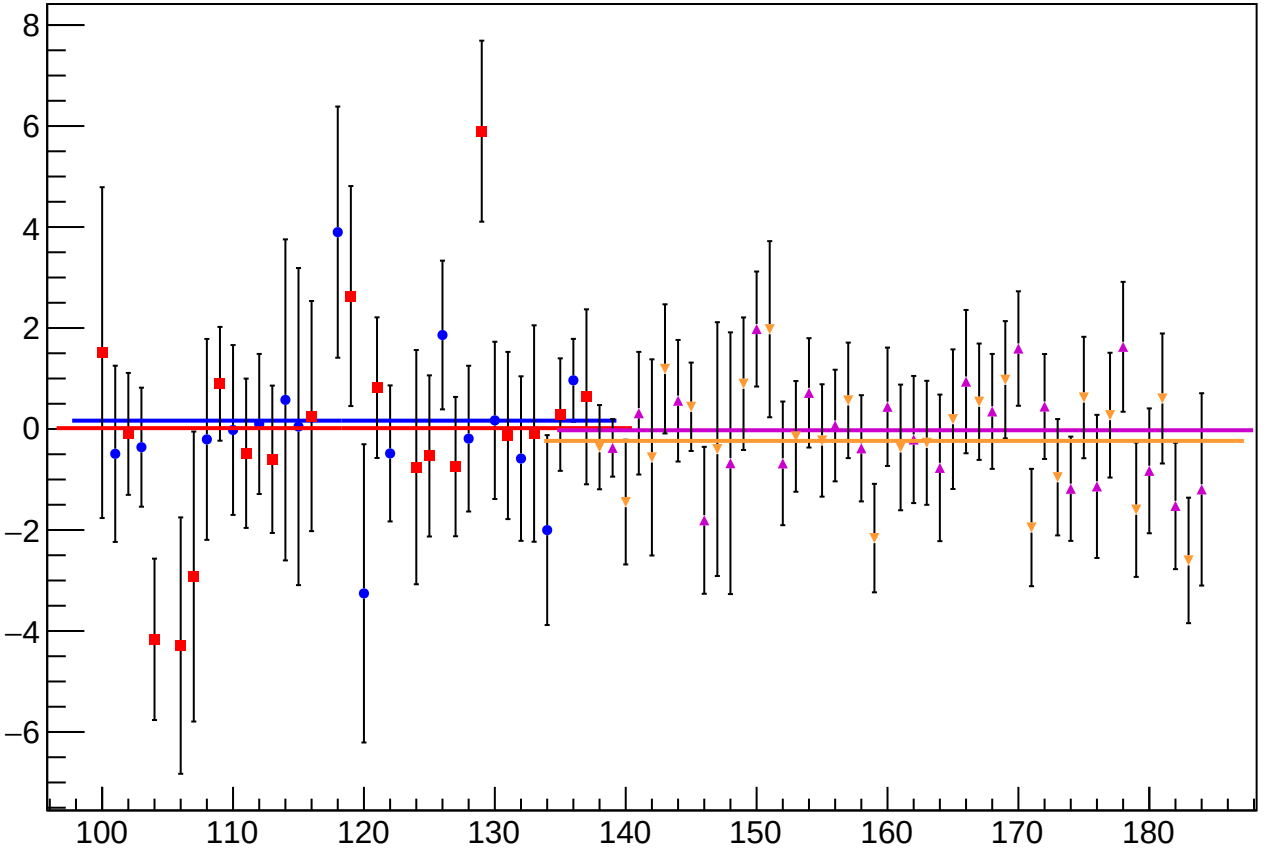
Out: 898.222+/-0.132 χ^2/NDF:5784334.2/42

All: 902.147+/-0.094 χ^2/NDF: 11018262.9/81


diff_bpmtargetsumY_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: -3.795+/-3.943 χ²/NDF: 10.1/15
Left Out: 4.676+/-2.139 χ²/NDF:17.4/23
Right Out: -7.264+/-3.807 χ²/NDF: 17.3/18
Left In: -0.734+/-2.171 χ²/NDF:32.0/22
Left: 2.011+/-1.523 χ²/NDF: 52.6/46
Right: -5.590+/-2.739 χ²/NDF: 27.7/34
In: -1.446+/-1.902 χ²/NDF:42.5/38
Out: 1.812+/-1.865 χ²/NDF:42.1/42
All: 0.215+/-1.331 χ²/NDF: 86.2/81


diff_bpmtargetsumY_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 9273.029+/-1.512 χ²/NDF:362453.7/23
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 9199.542+/-1.535 χ²/NDF:515496.8/22
Left: 9236.829+/-1.077 χ²/NDF: 879113.6/46
Right: 10195.906+/-1.937 χ²/NDF: 1566539.8/34
In: 9457.781+/-1.345 χ²/NDF:1407740.4/38
Out: 9468.924+/-1.319 χ²/NDF:1225180.0/42
All: 9463.462+/-0.941 χ²/NDF: 2632955.4/81

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



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: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.127+/-0.171 χ^2/NDF: 34.5/46

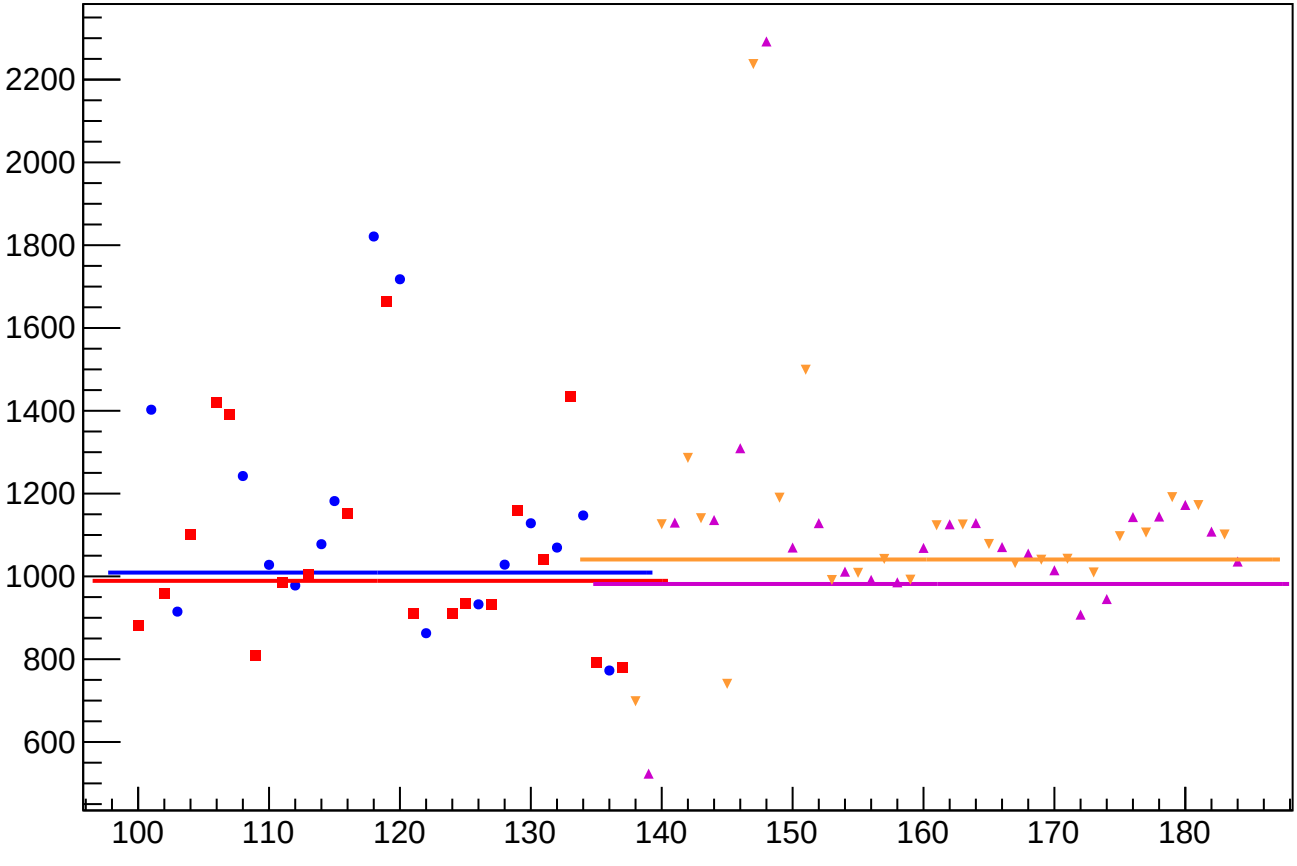
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.028+/-0.203 χ^2/NDF:23.5/38

Out: -0.159+/-0.205 χ^2/NDF:44.4/42

All: -0.065+/-0.144 χ^2/NDF: 68.4/81

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: 981.677+/-0.169 χ^2/NDF:2225094.5/22

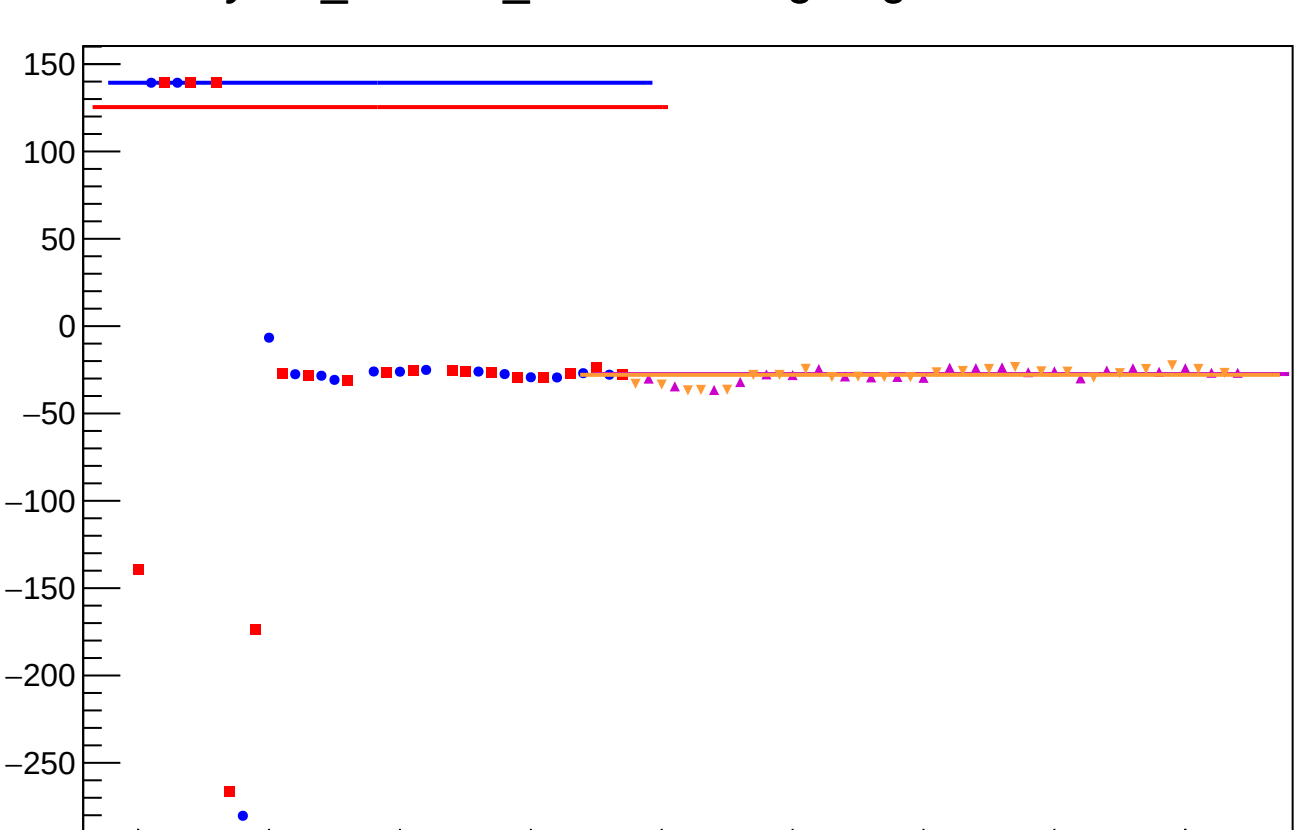
Left: 1010.481+/-0.121 χ^2/NDF: 3620477.3/46

Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

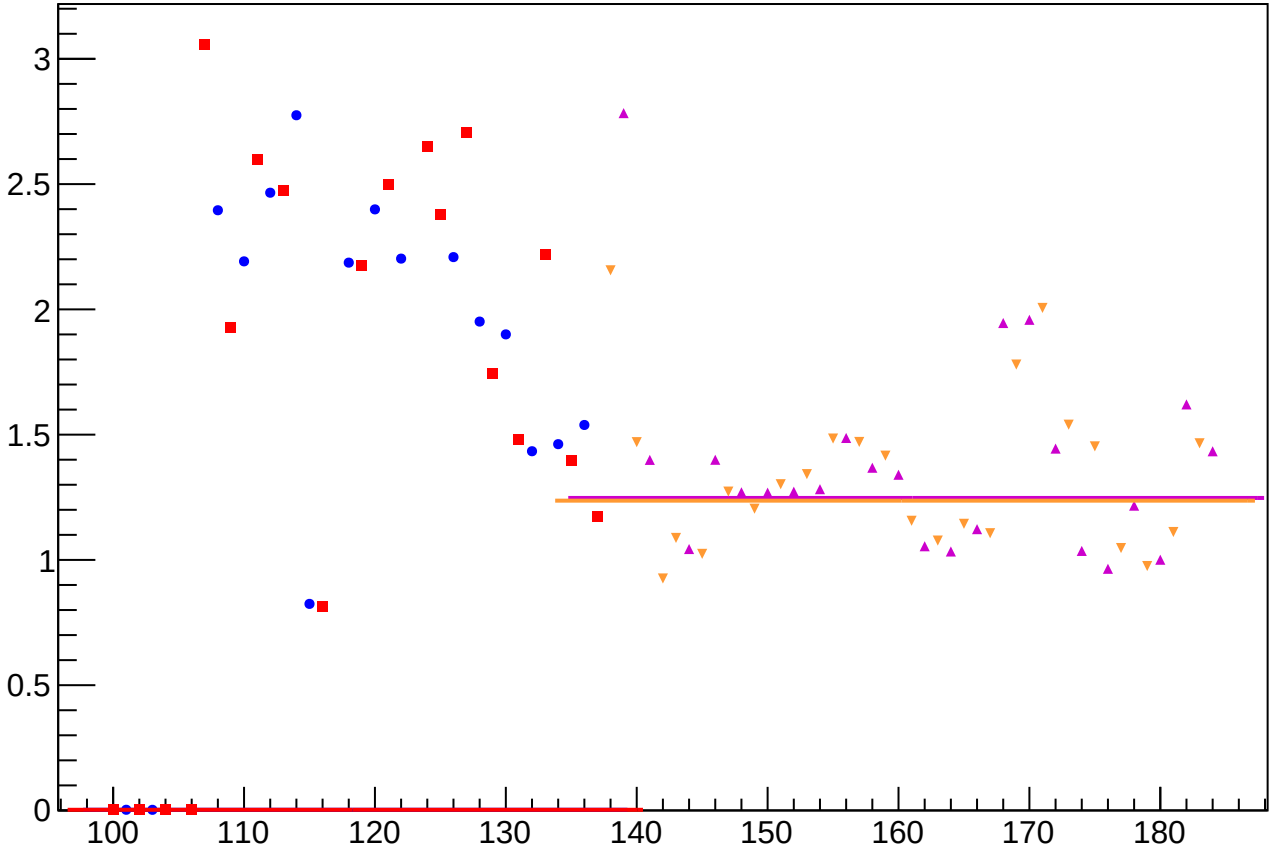
In: 989.306+/-0.144 χ^2/NDF:2931750.0/38

Out: 1025.204+/-0.145 χ^2/NDF:1938303.9/42

All: 1007.113+/-0.102 χ^2/NDF: 4900982.3/81


yield_cav4bX_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
−250
−300
100
110
120
130
140
150
160
170
180
Right In: 139.337+/-0.000 χ²/NDF: 47088045550.1/15
Left Out: -27.862+/-0.000 χ²/NDF:181576084.6/23
Right Out: 125.392+/-0.000 χ²/NDF: 774173119844052.5/18
Left In: -27.427+/-0.000 χ²/NDF:123181562.3/22
Left: -27.652+/-0.000 χ²/NDF: 305649698.2/46
Right: 131.818+/-0.000 χ²/NDF: 793004999492497
In: 139.328+/-0.000 χ²/NDF:301487925012.7/38
Out: 125.385+/-0.000 χ²/NDF:774402323939919.
All: 131.810+/-0.000 χ²/NDF: 79348580224

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: 1.247+/-0.000 χ^2/NDF:1436411.6/22

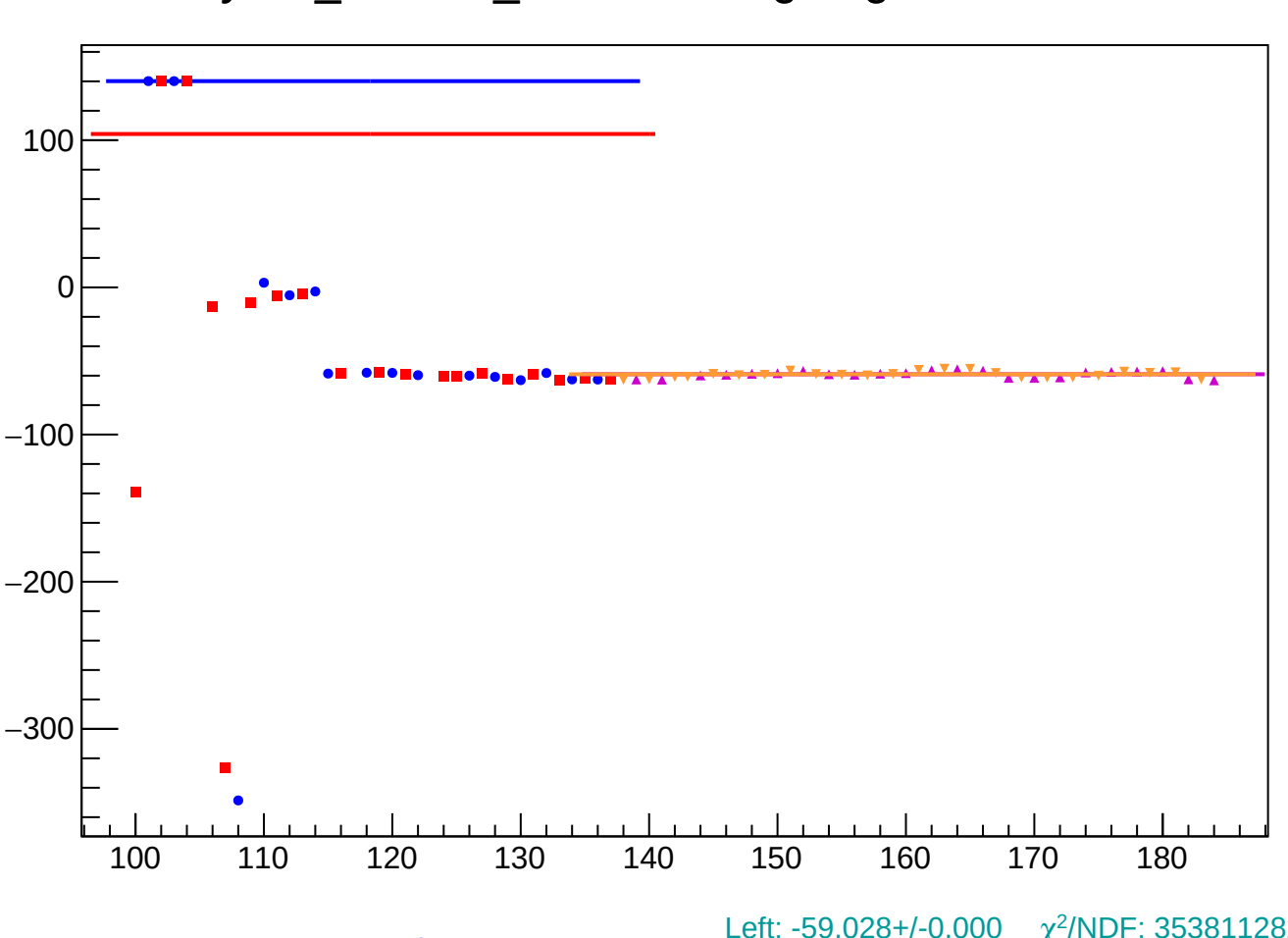
Left: 1.242+/-0.000 χ^2/NDF: 2609983.5/46

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:39331422.2/38

Out: 0.003+/-0.000 χ^2/NDF:40599649.9/42

All: 0.003+/-0.000 χ^2/NDF: 79931335.7/81



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -59.036+/-0.000 χ^2/NDF:174570250.3/23

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.028+/-0.000 χ^2/NDF: 353811282.1/46

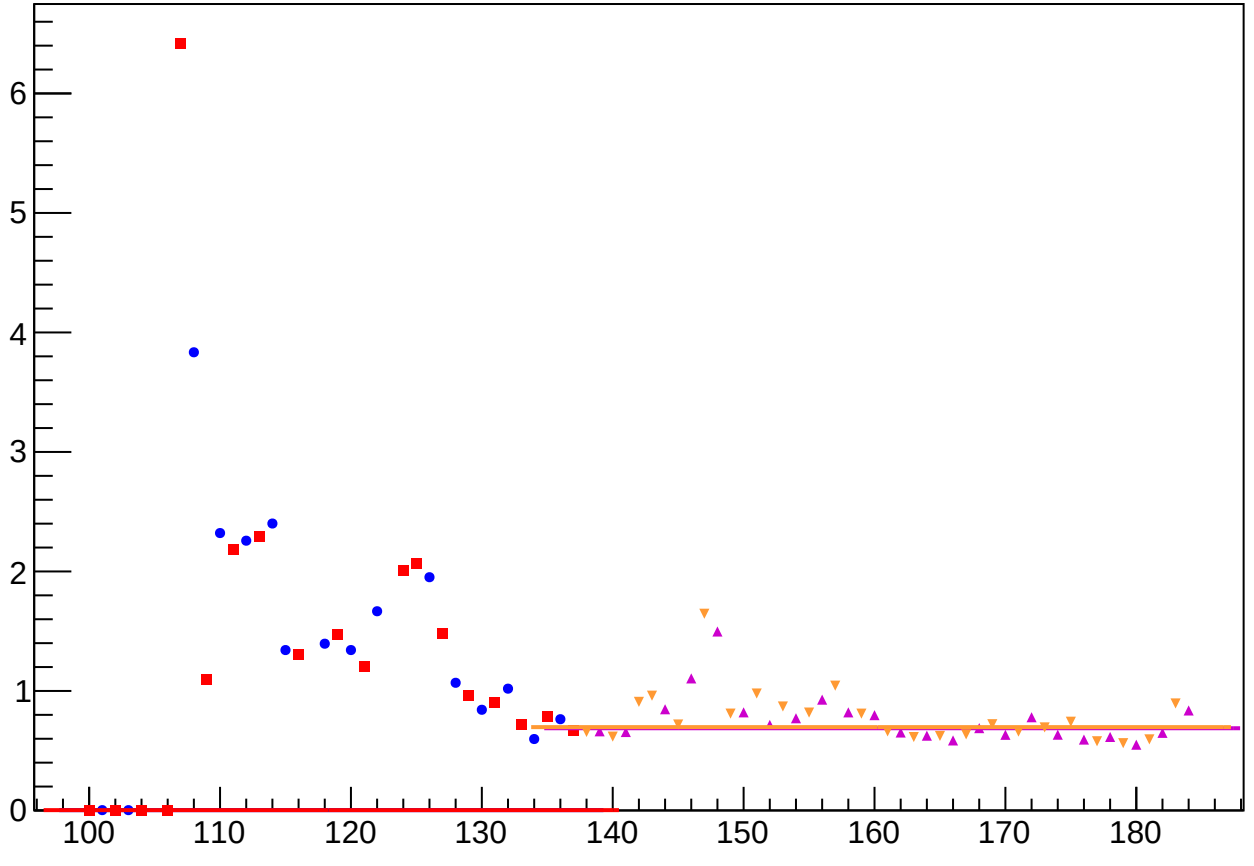
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.107+/-0.000 χ^2/NDF:1463066252534.7/38

Out: 104.199+/-0.000 χ^2/NDF:1258264792767099

All: 120.801+/-0.000 χ^2/NDF: 13829833167

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: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.693+/-0.000 χ^2/NDF: 2448311.2/46

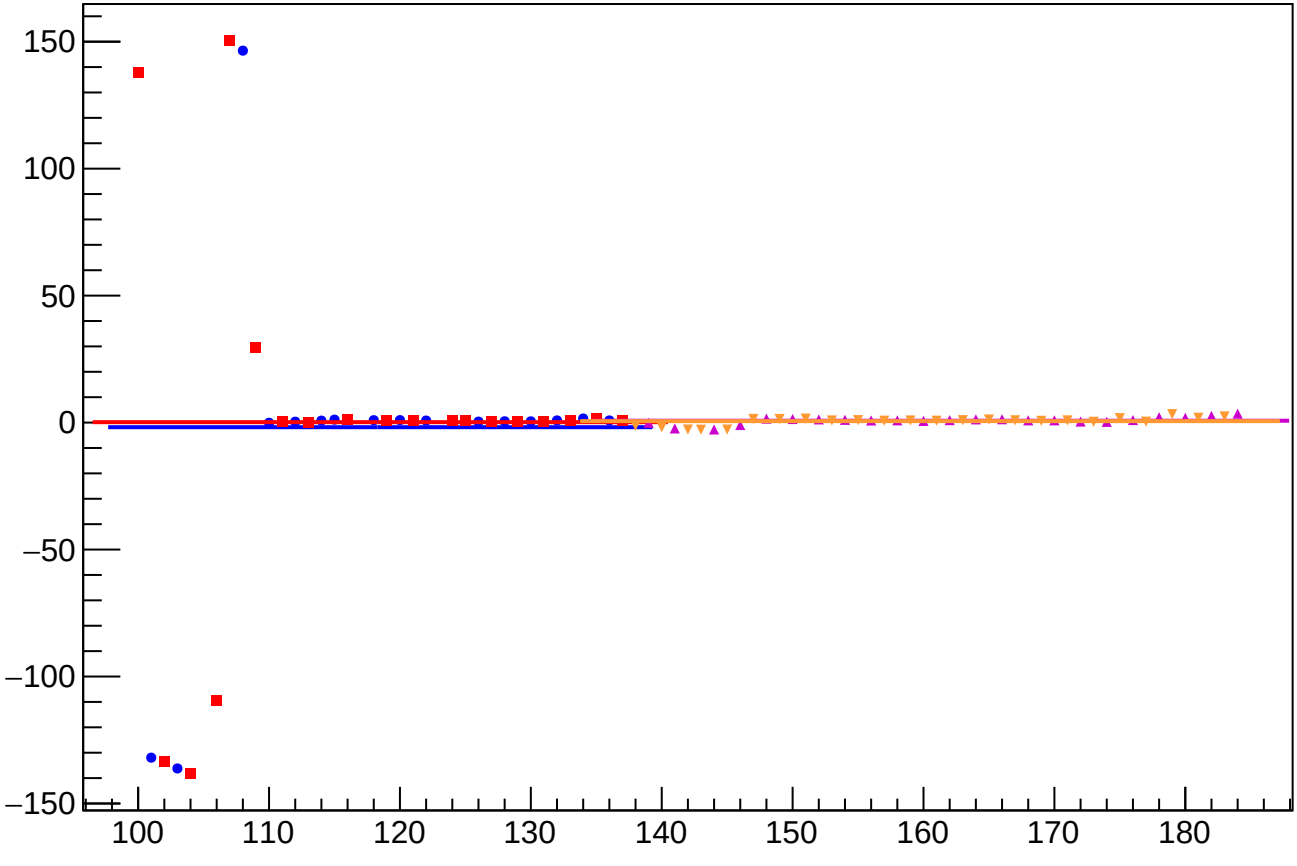
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:41885623.6/38

Out: 0.003+/-0.000 χ^2/NDF:42845163.8/42

All: 0.003+/-0.000 χ^2/NDF: 84731229.1/81

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: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.649+/-0.000 χ^2/NDF: 260199562.7/46

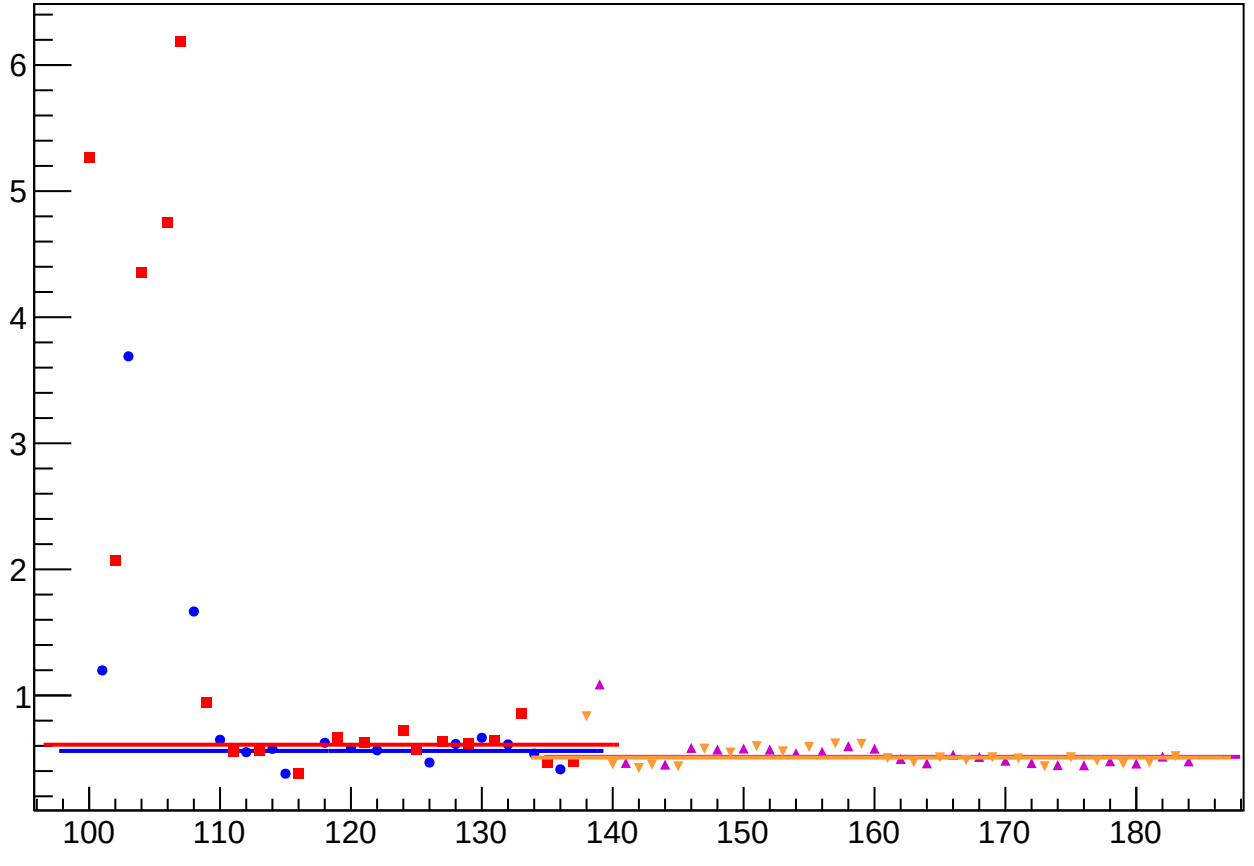
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: 0.162+/-0.000 χ^2/NDF:10073763508.0/38

Out: 0.497+/-0.000 χ^2/NDF:3767366354.3/42

All: 0.331+/-0.000 χ^2/NDF: 13845208125.4/8

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: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1309930.2/46

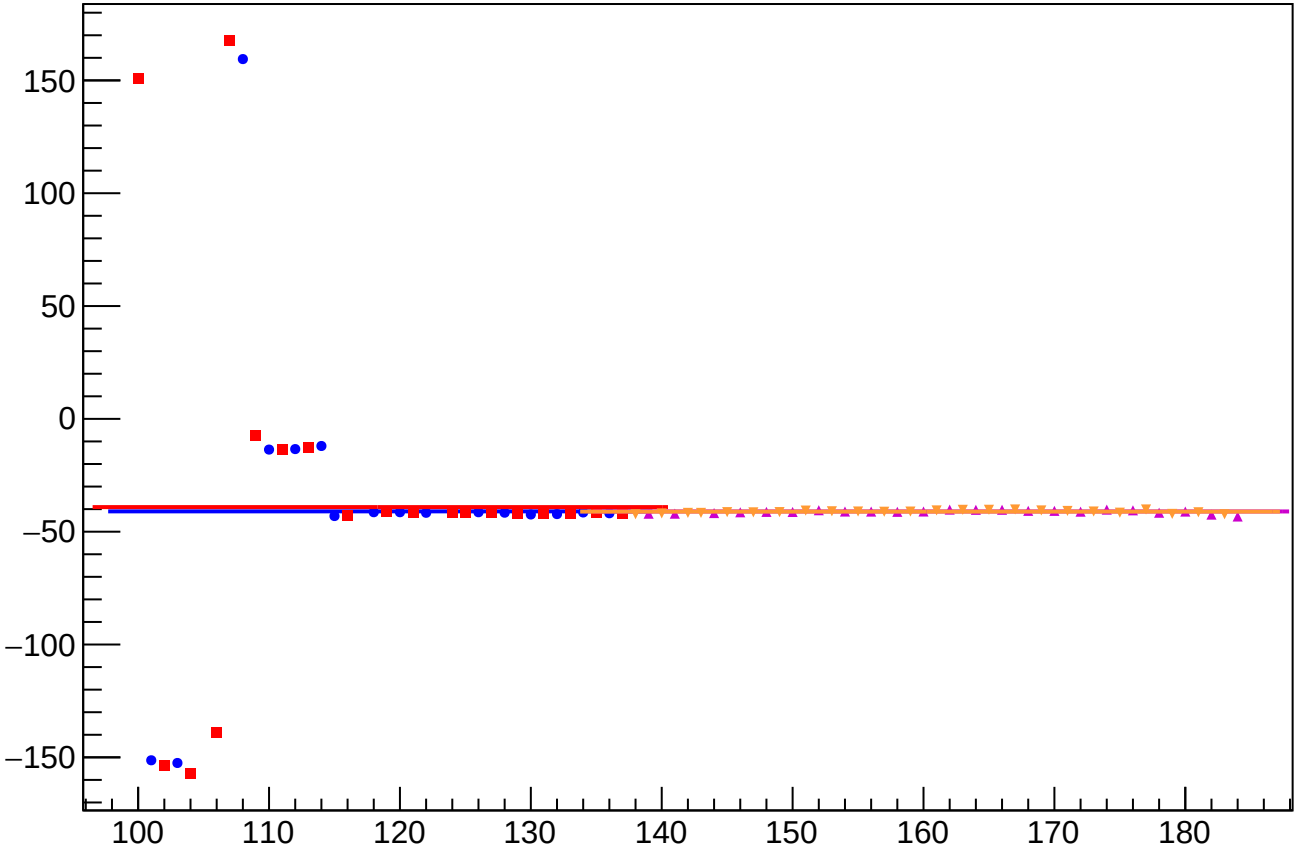
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.523+/-0.000 χ^2/NDF:2407224.0/38

Out: 0.526+/-0.000 χ^2/NDF:3259430.7/42

All: 0.525+/-0.000 χ^2/NDF: 5667083.8/81

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: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.061+/-0.000 χ^2/NDF: 111771613.1/46

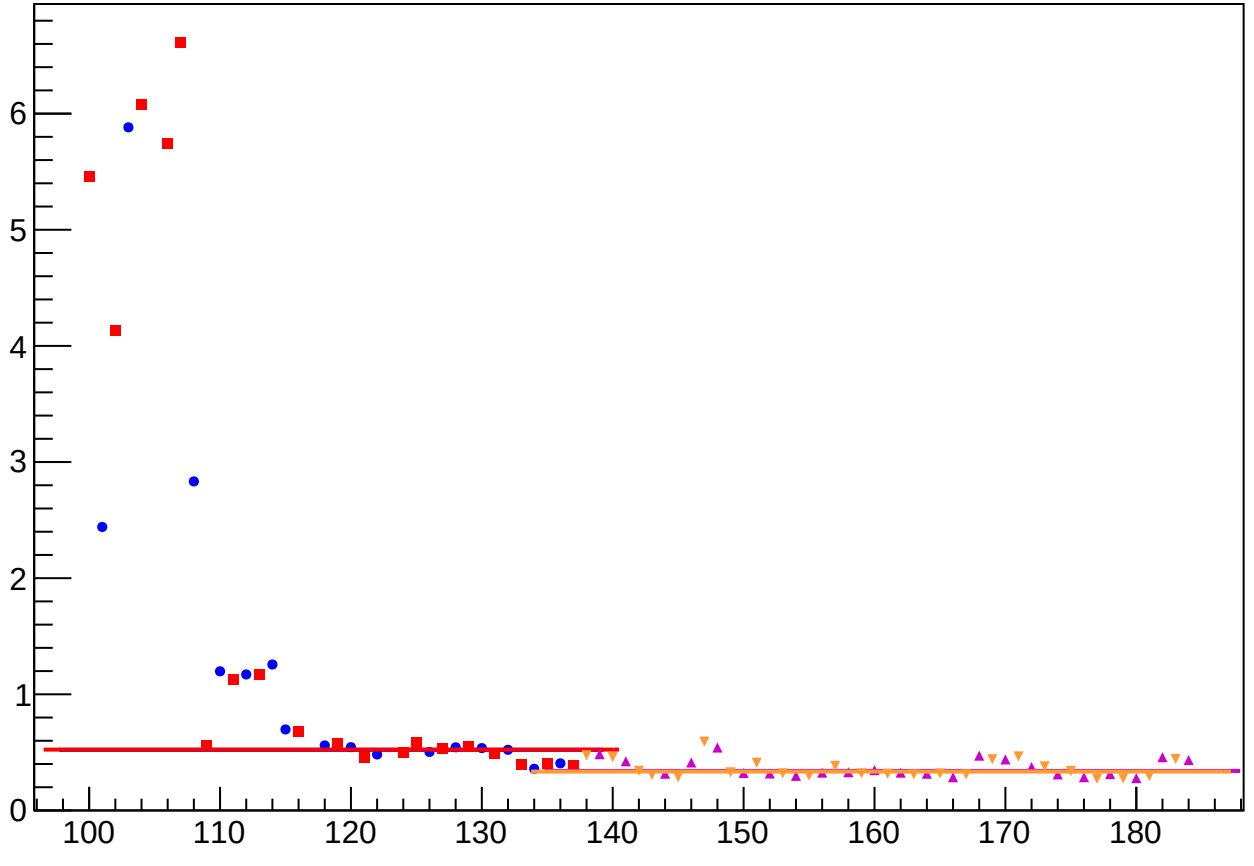
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.025+/-0.000 χ^2/NDF:3501033678.9/38

Out: -40.885+/-0.000 χ^2/NDF:2603789505.9/42

All: -40.953+/-0.000 χ^2/NDF: 6106460231.3/

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: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.337+/-0.000 χ^2/NDF: 2281373.0/46

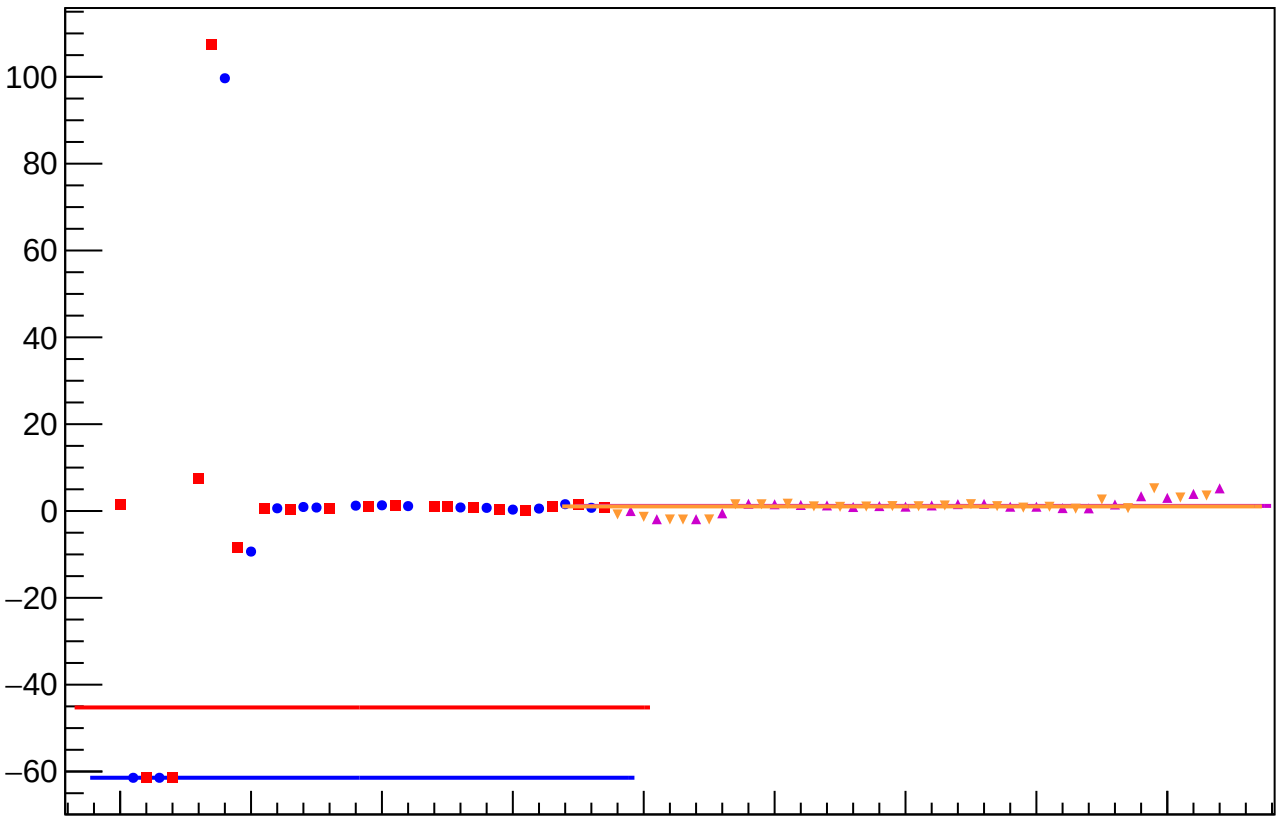
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.361+/-0.000 χ^2/NDF:5096823.5/38

Out: 0.354+/-0.000 χ^2/NDF:5625645.3/42

All: 0.357+/-0.000 χ^2/NDF: 10729507.0/81

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: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436068524.2/46

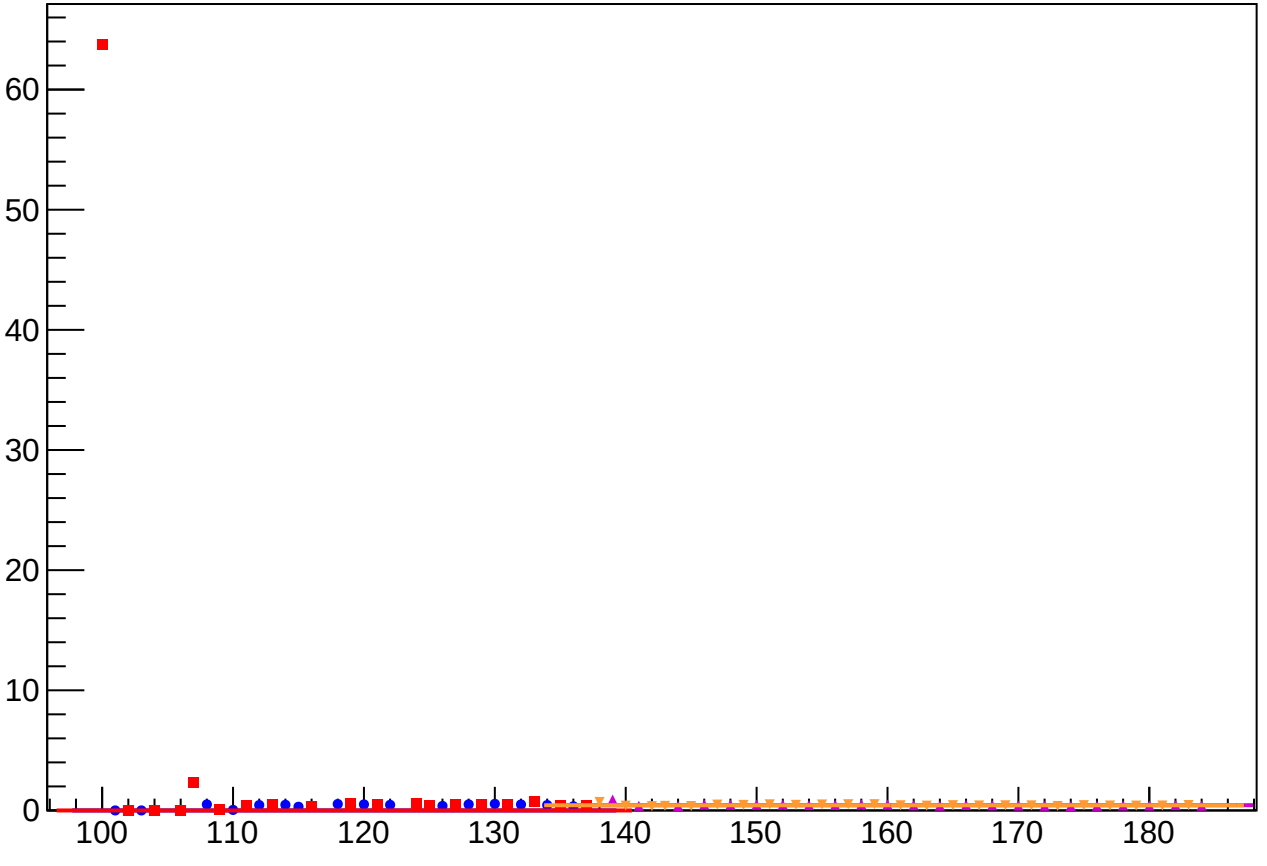
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.423+/-0.000 χ^2/NDF:576363295618.6/38

Out: -45.236+/-0.000 χ^2/NDF:358048767543943.6

All: -52.738+/-0.000 χ^2/NDF: 409587496088

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: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1228967.9/46

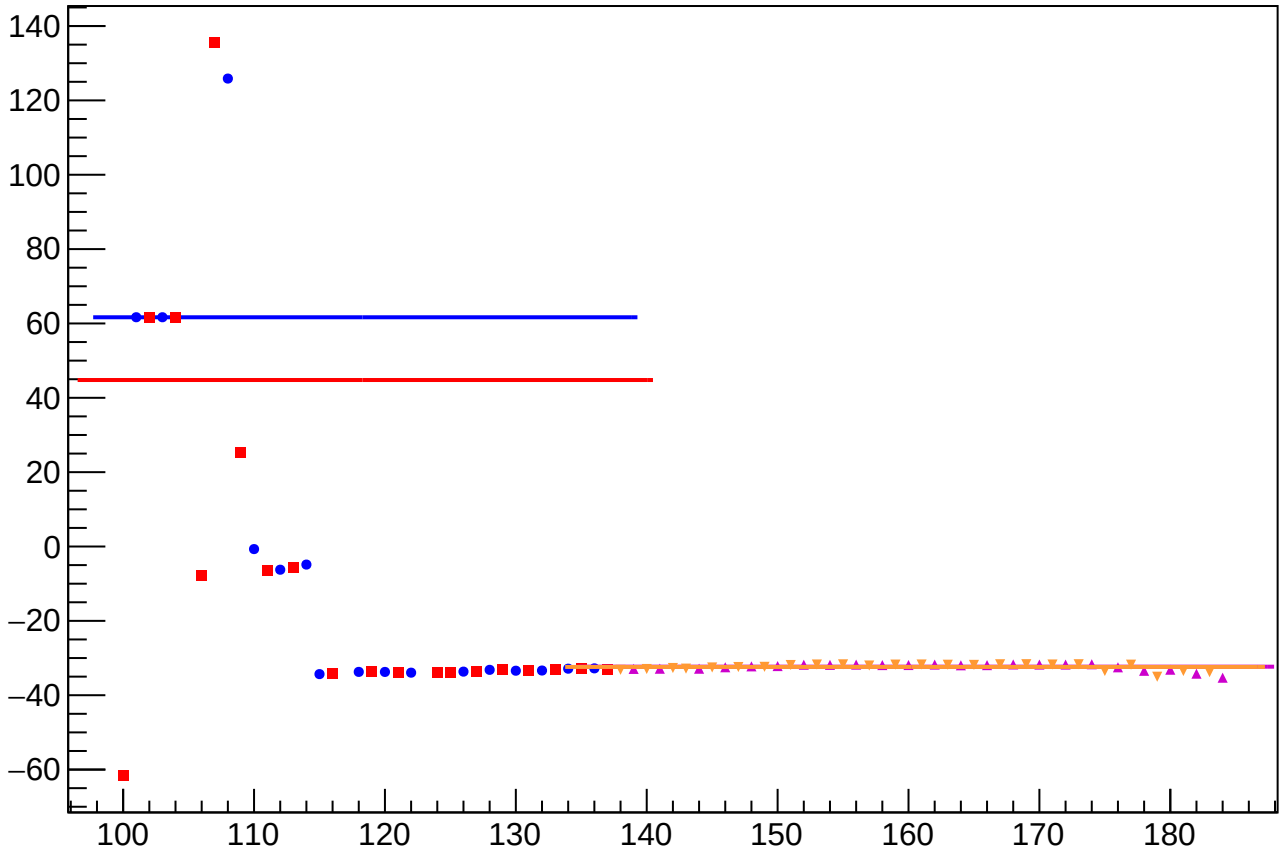
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:39298343.3/38

Out: 0.002+/-0.000 χ^2/NDF:40653982.1/42

All: 0.002+/-0.000 χ^2/NDF: 79952365.6/81

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: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.358+/-0.000 χ^2/NDF: 291013572.8/46

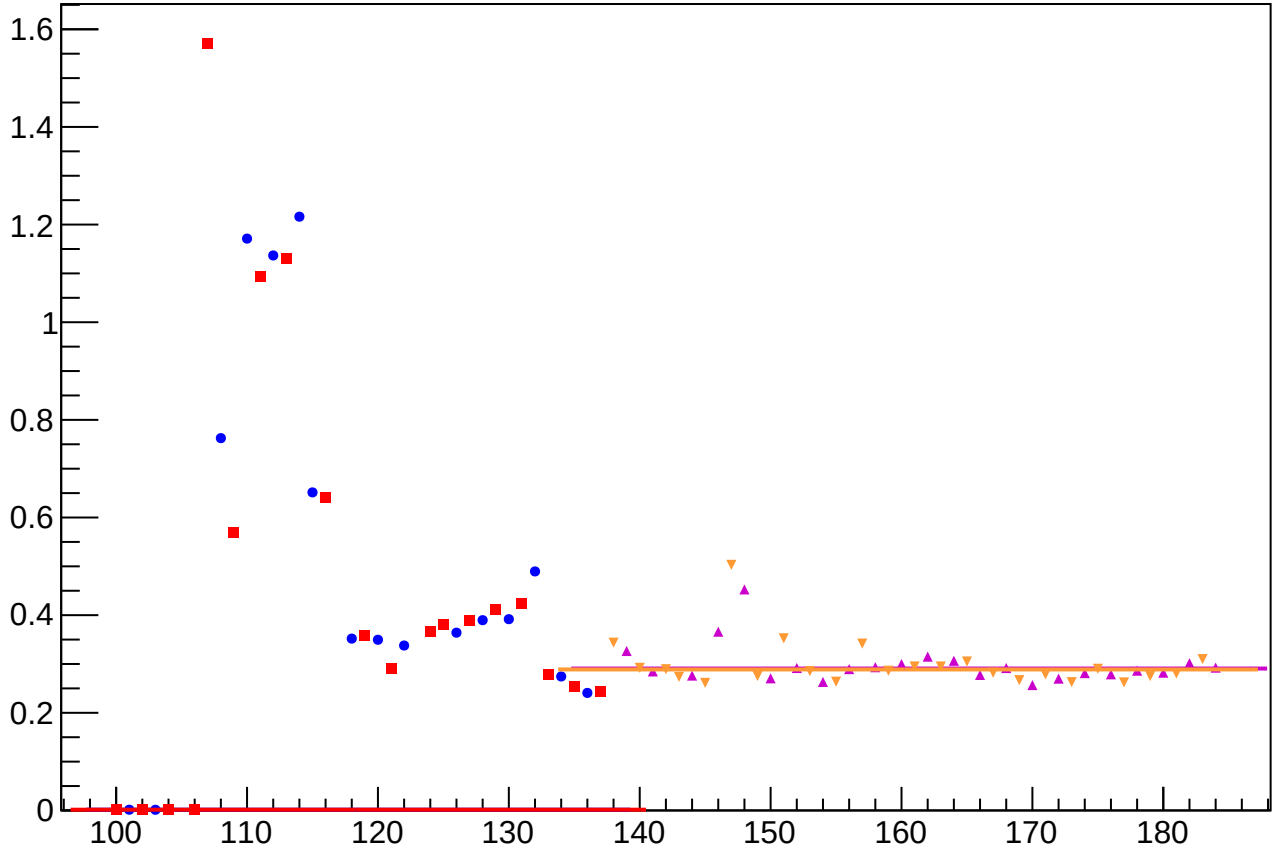
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.604+/-0.000 χ^2/NDF:2193341734105.7/38

Out: 44.742+/-0.000 χ^2/NDF:367391829731946.

All: 52.638+/-0.000 χ^2/NDF: 420636602460

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:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 907463.2/46

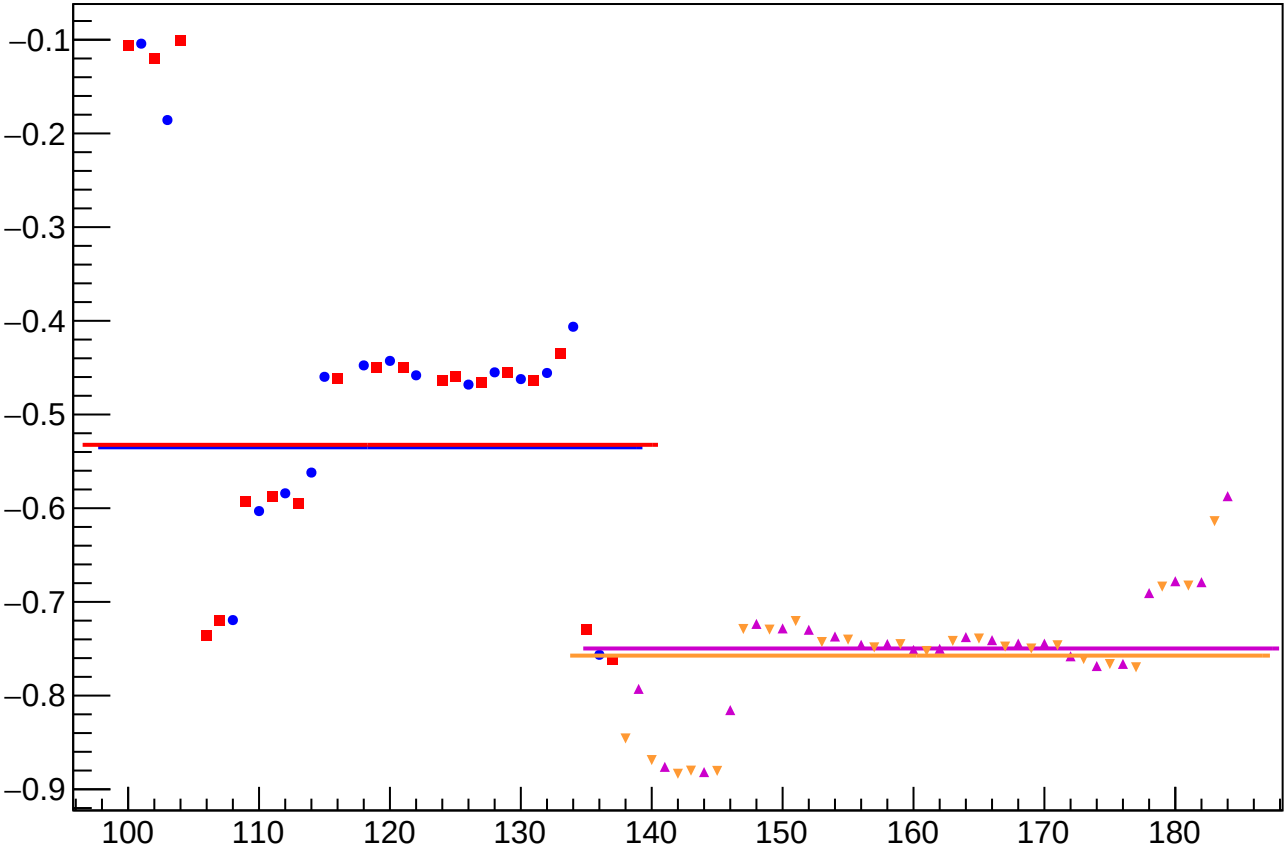
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:45934938.6/38

Out: 0.002+/-0.000 χ^2/NDF:47013259.9/42

All: 0.002+/-0.000 χ^2/NDF: 92948208.3/81

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: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.754+/-0.000 χ^2/NDF: 335966701.2/46

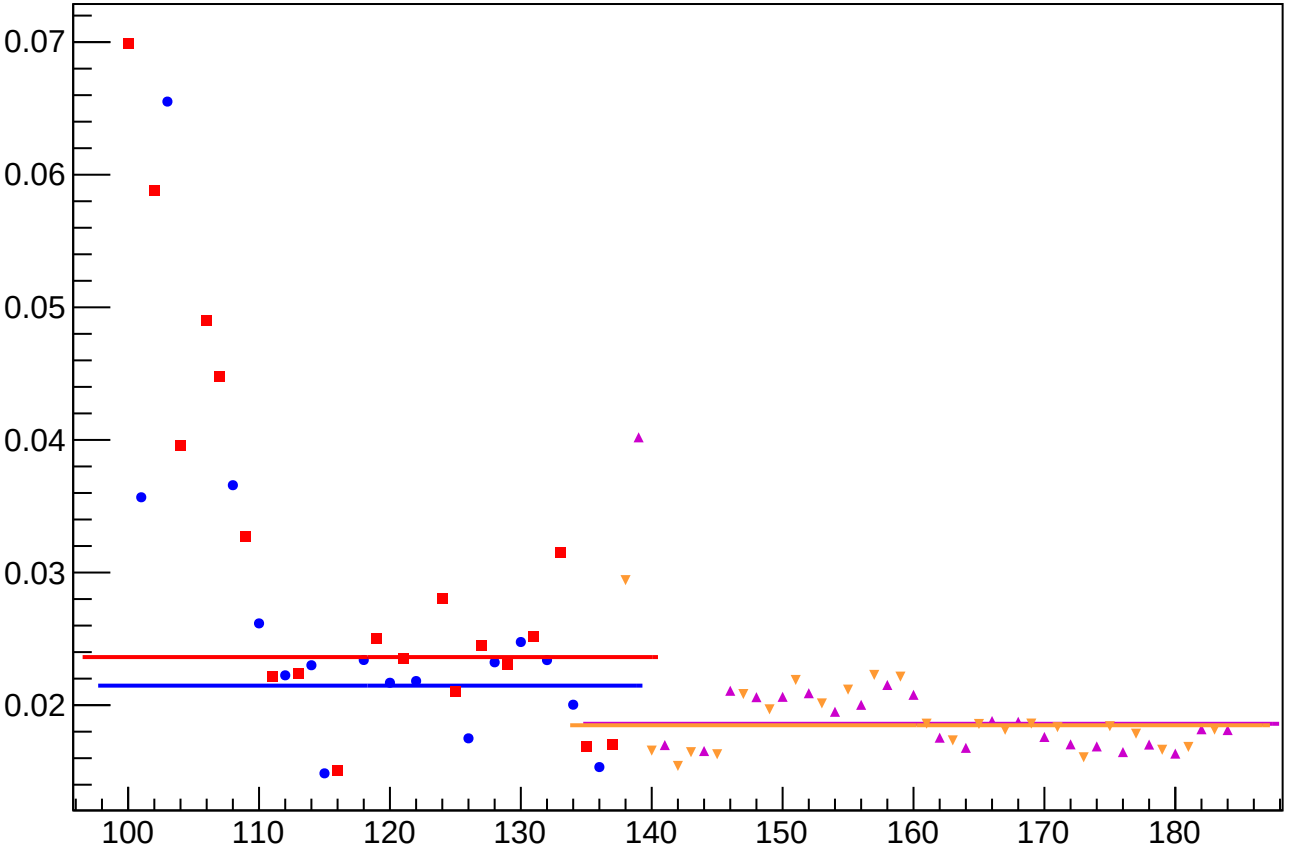
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.704+/-0.000 χ^2/NDF:862543976.5/38

Out: -0.716+/-0.000 χ^2/NDF:822032286.4/42

All: -0.710+/-0.000 χ^2/NDF: 1689126307.8/8

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:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.5/46

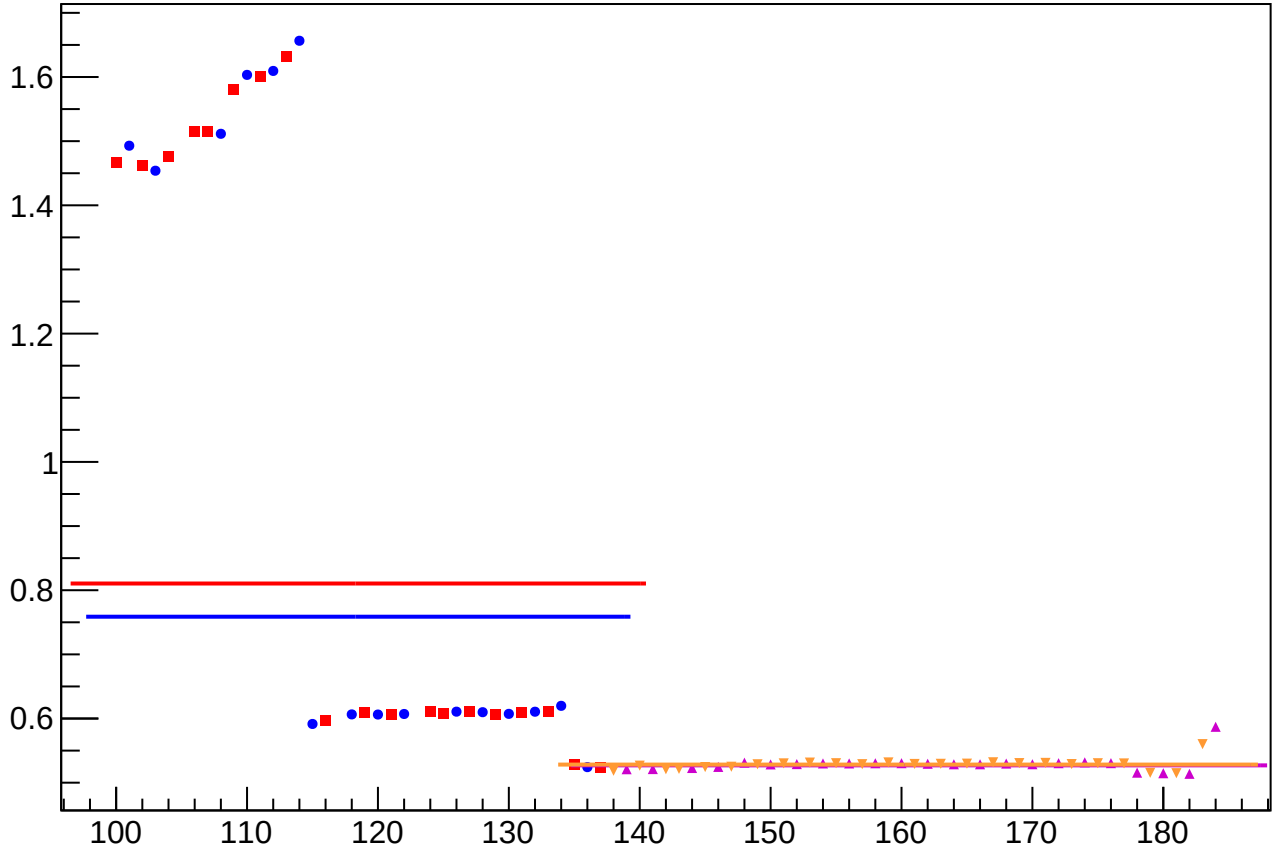
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.019+/-0.000 χ^2/NDF:2044274.5/38

Out: 0.019+/-0.000 χ^2/NDF:2201297.8/42

All: 0.019+/-0.000 χ^2/NDF: 4247859.3/81

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: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 23013835.5/46

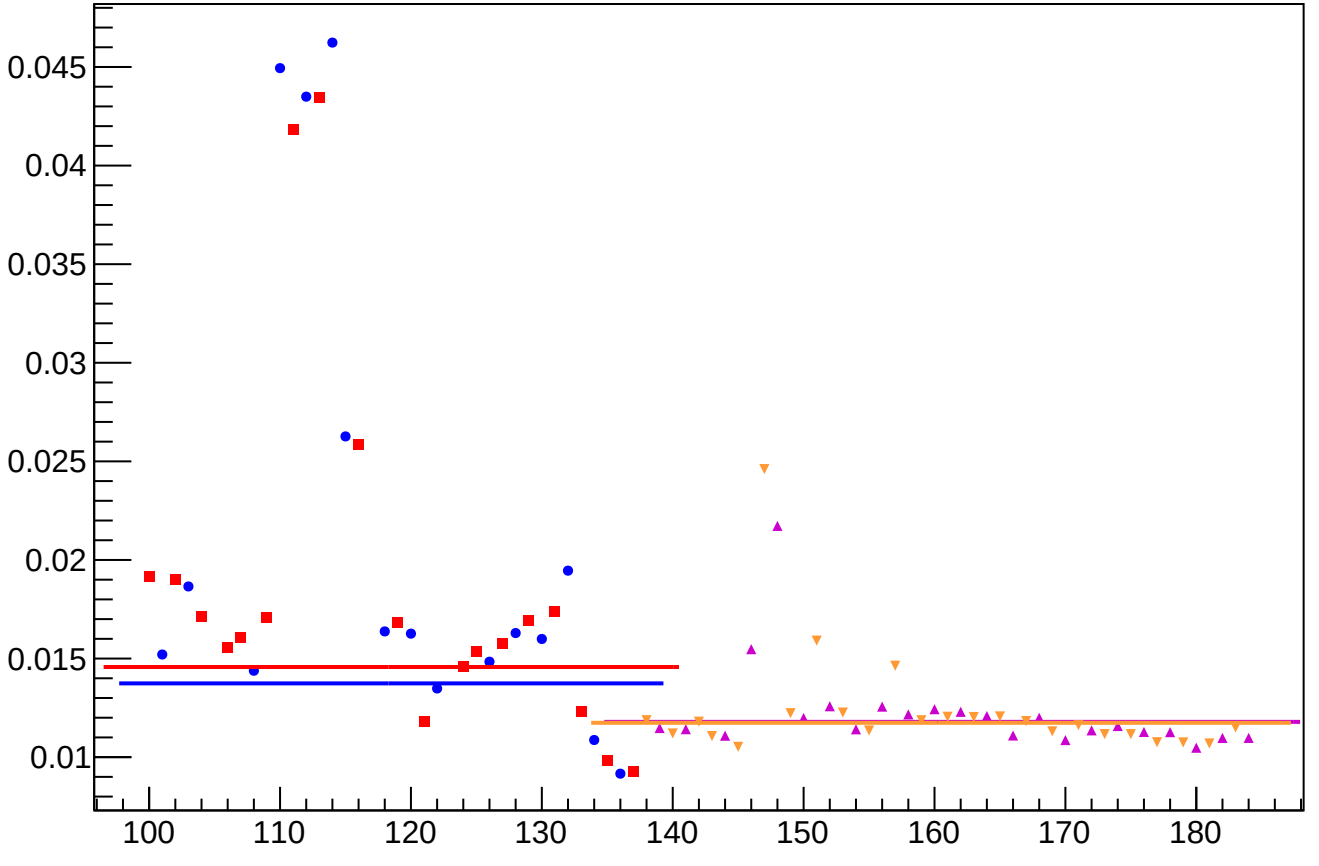
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.573+/-0.000 χ^2/NDF:5672128554.1/38

Out: 0.579+/-0.000 χ^2/NDF:6694854897.2/42

All: 0.576+/-0.000 χ^2/NDF: 12370036060.1/8

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:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1218475.6/46

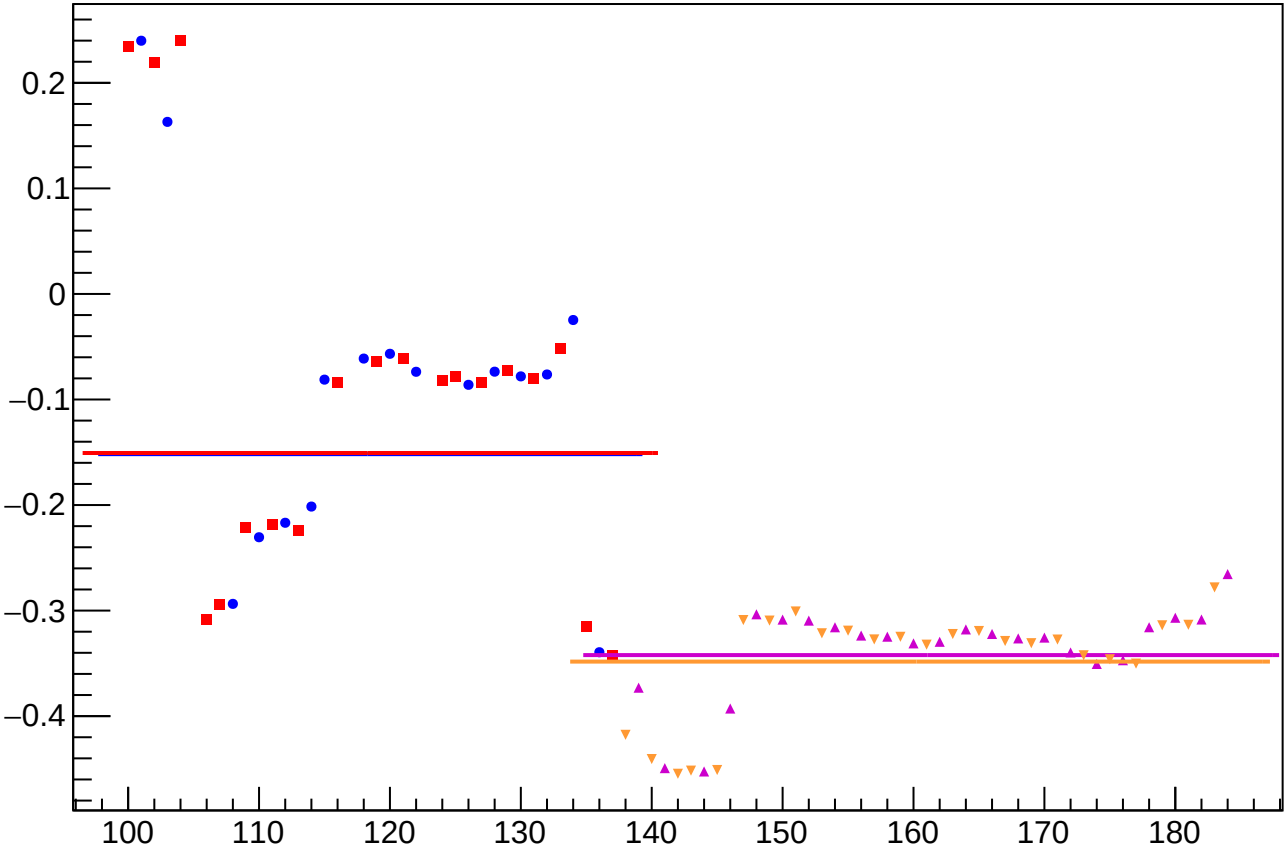
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.012+/-0.000 χ^2/NDF:2361736.3/38

Out: 0.012+/-0.000 χ^2/NDF:2538249.2/42

All: 0.012+/-0.000 χ^2/NDF: 4900933.9/81

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: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 209606977.8/46

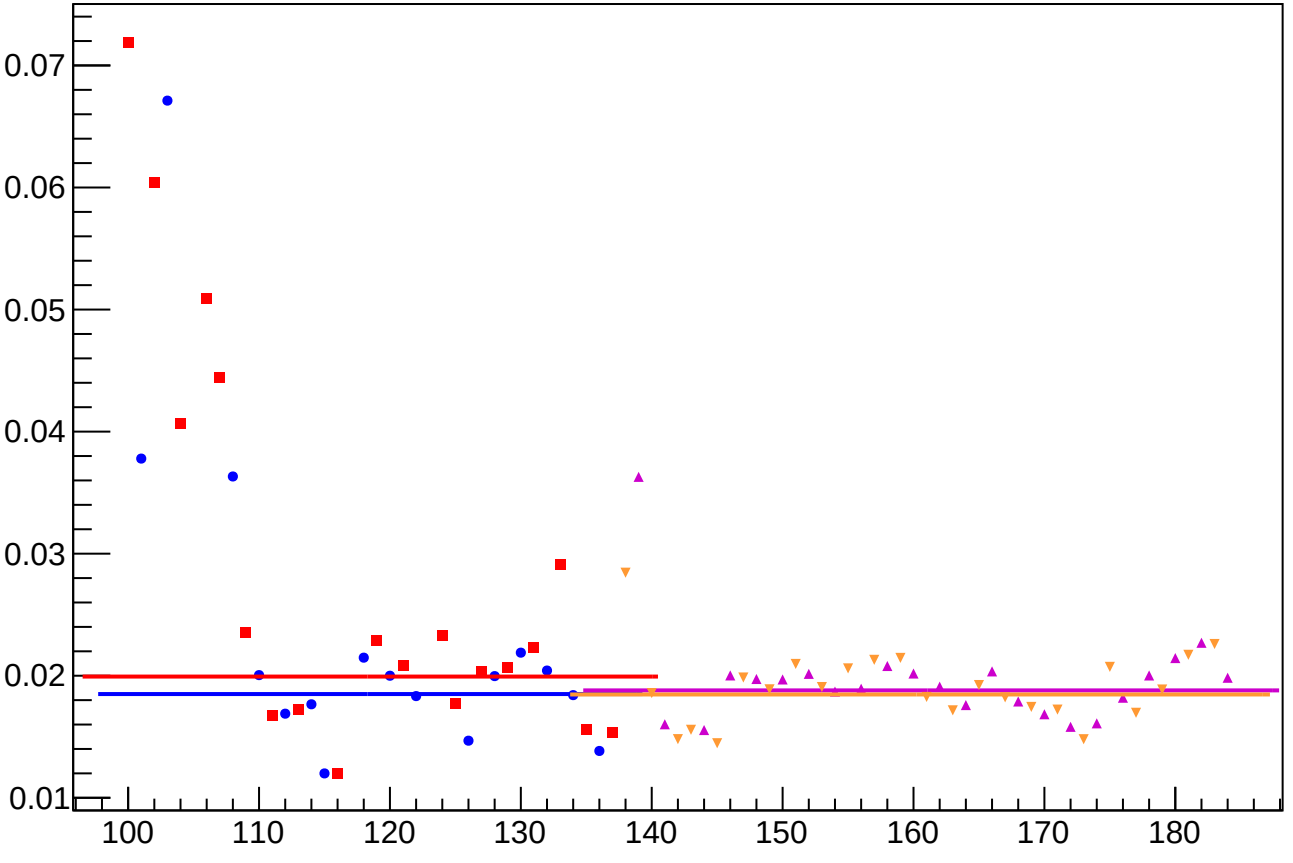
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.292+/-0.000 χ^2/NDF:774885700.6/38

Out: -0.303+/-0.000 χ^2/NDF:732171643.5/42

All: -0.297+/-0.000 χ^2/NDF: 1510845361.3/8

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:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1359442.0/46

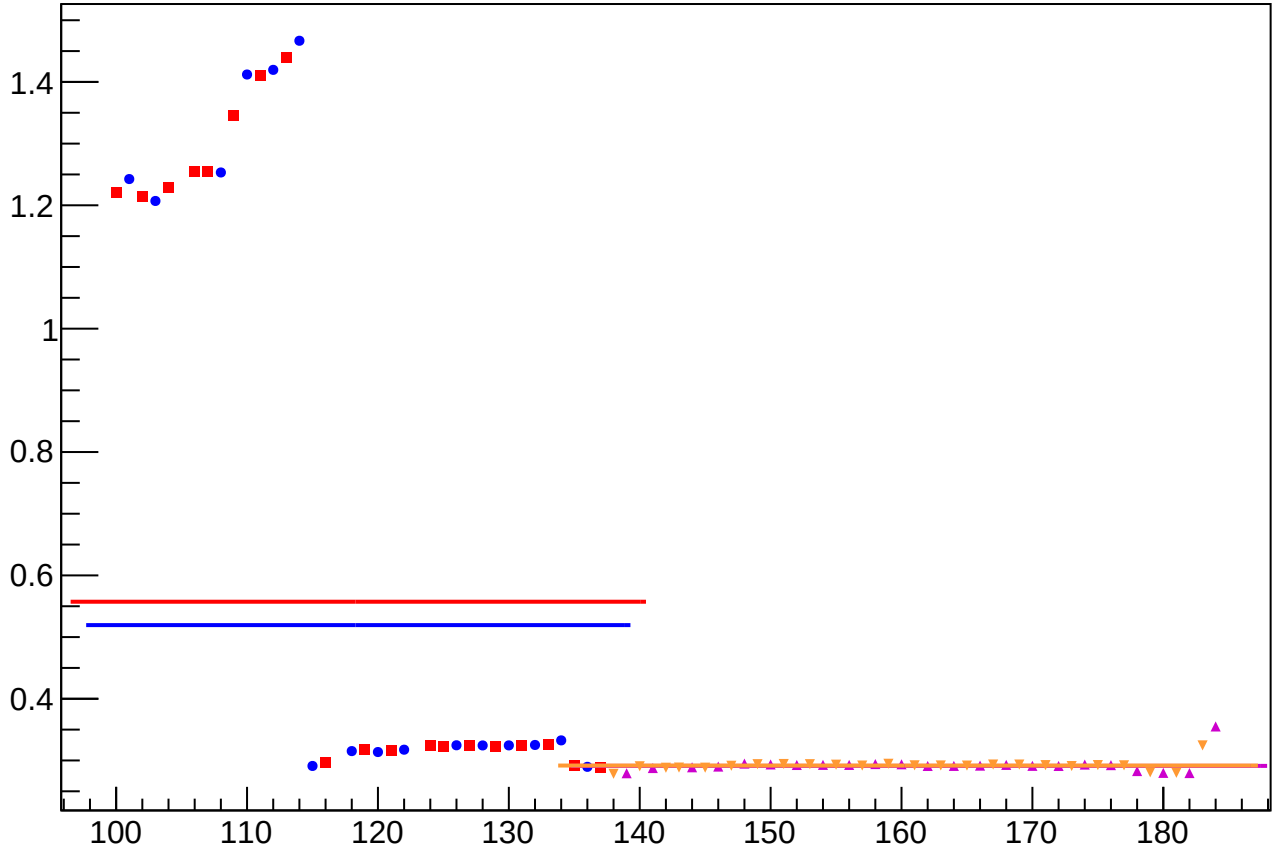
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:2093122.0/38

Out: 0.019+/-0.000 χ^2/NDF:2228779.3/42

All: 0.019+/-0.000 χ^2/NDF: 4322307.3/81

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: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.291+/-0.000 χ^2/NDF: 17177813.6/46

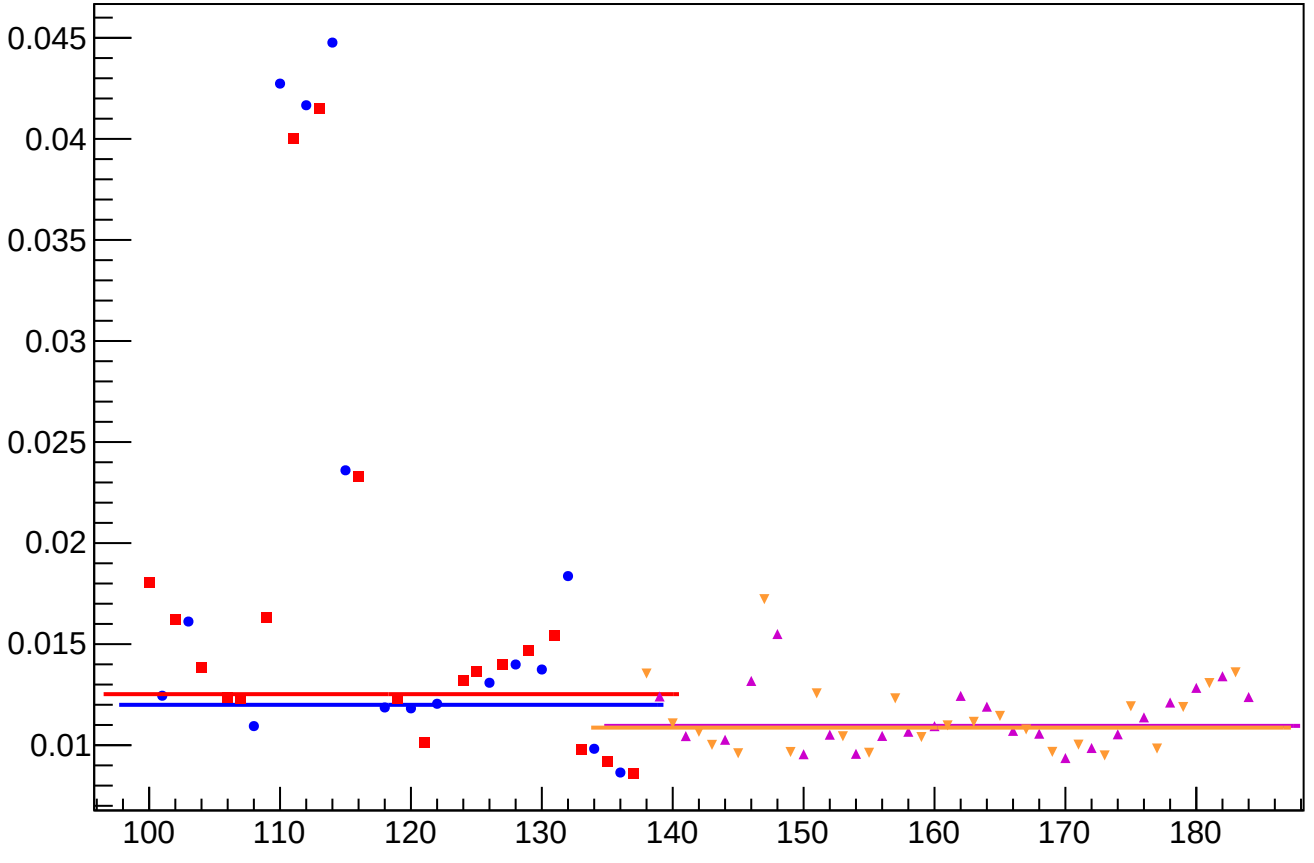
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.342+/-0.000 χ^2/NDF:8006834192.7/38

Out: 0.346+/-0.000 χ^2/NDF:8946651340.4/42

All: 0.344+/-0.000 χ^2/NDF: 16954819828.1/8

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:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1157551.6/46

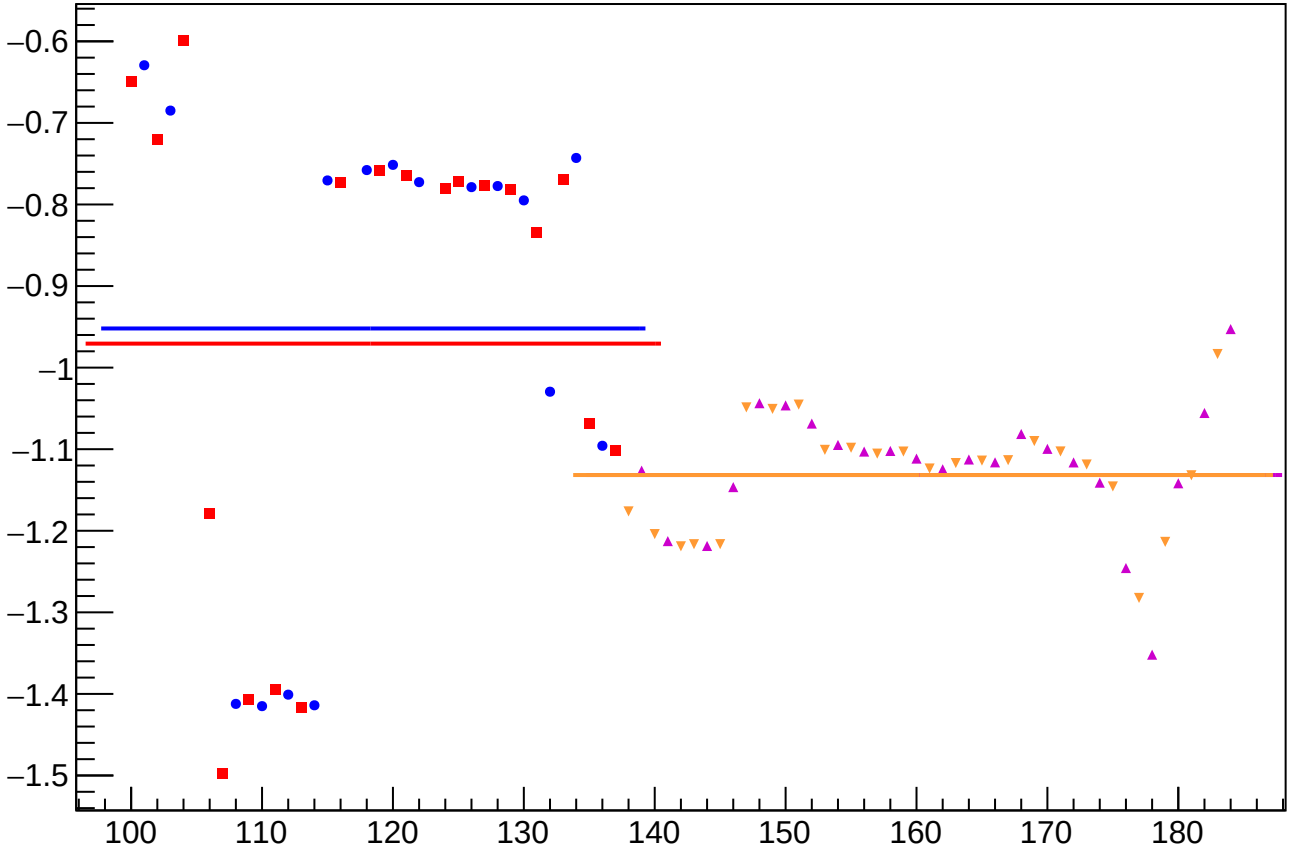
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:2073588.4/38

Out: 0.011+/-0.000 χ^2/NDF:2249164.9/42

All: 0.011+/-0.000 χ^2/NDF: 4322815.2/81

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: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.132+/-0.000 χ^2/NDF: 476846081.3/46

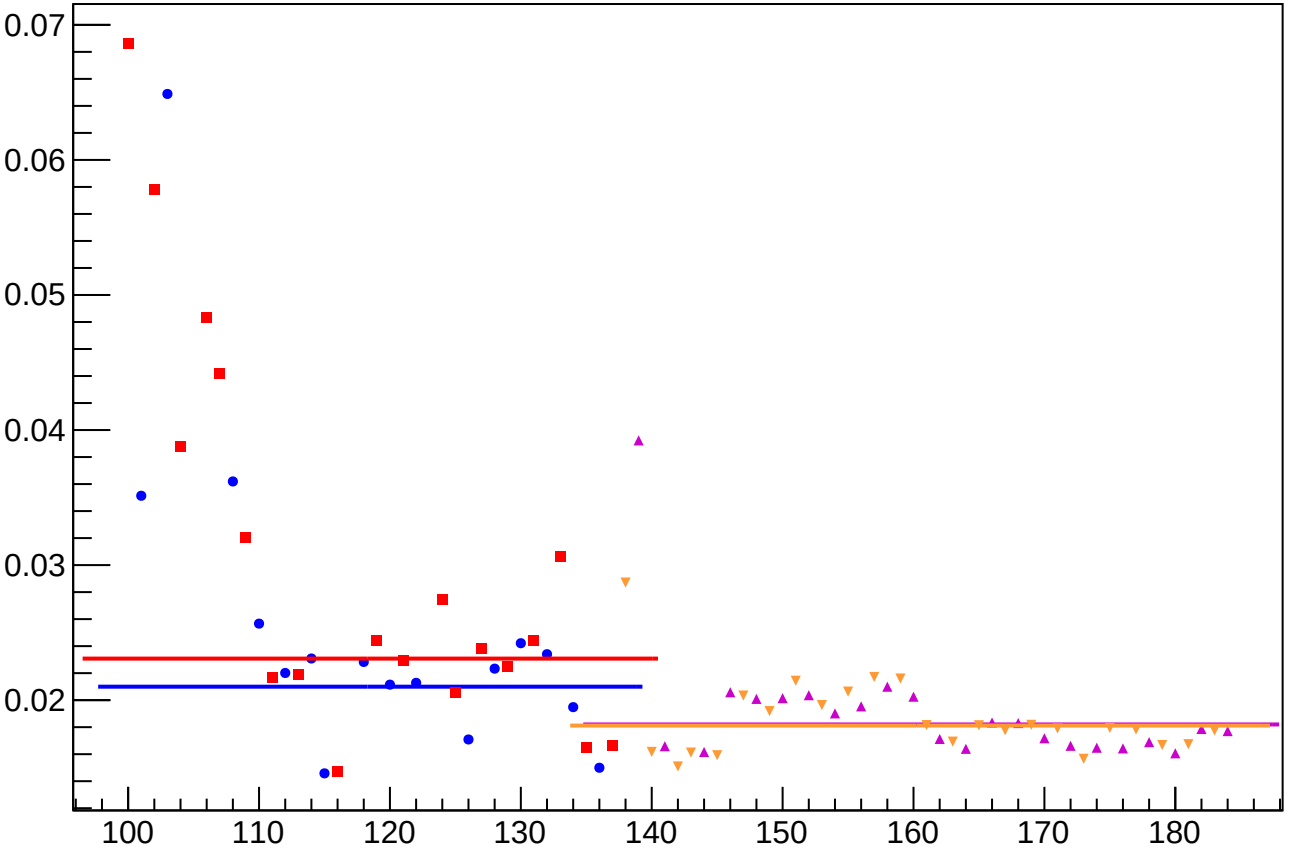
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.093+/-0.000 χ^2/NDF:1267163282.9/38

Out: -1.102+/-0.000 χ^2/NDF:1152808364.4/42

All: -1.098+/-0.000 χ^2/NDF: 2422422987.9/8

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:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.8/46

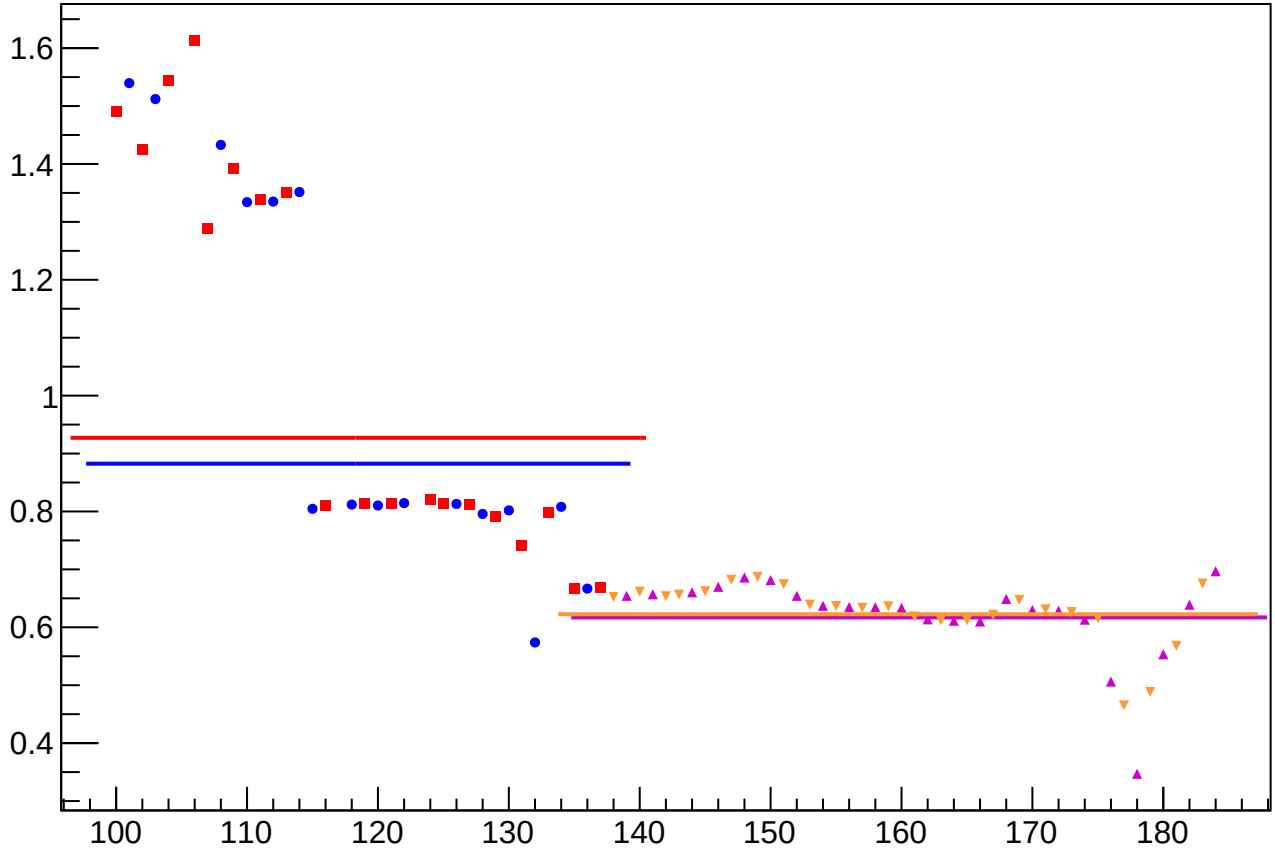
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.019+/-0.000 χ^2/NDF:2040047.6/38

Out: 0.019+/-0.000 χ^2/NDF:2175025.8/42

All: 0.019+/-0.000 χ^2/NDF: 4217840.2/81

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: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1037774820.1/46

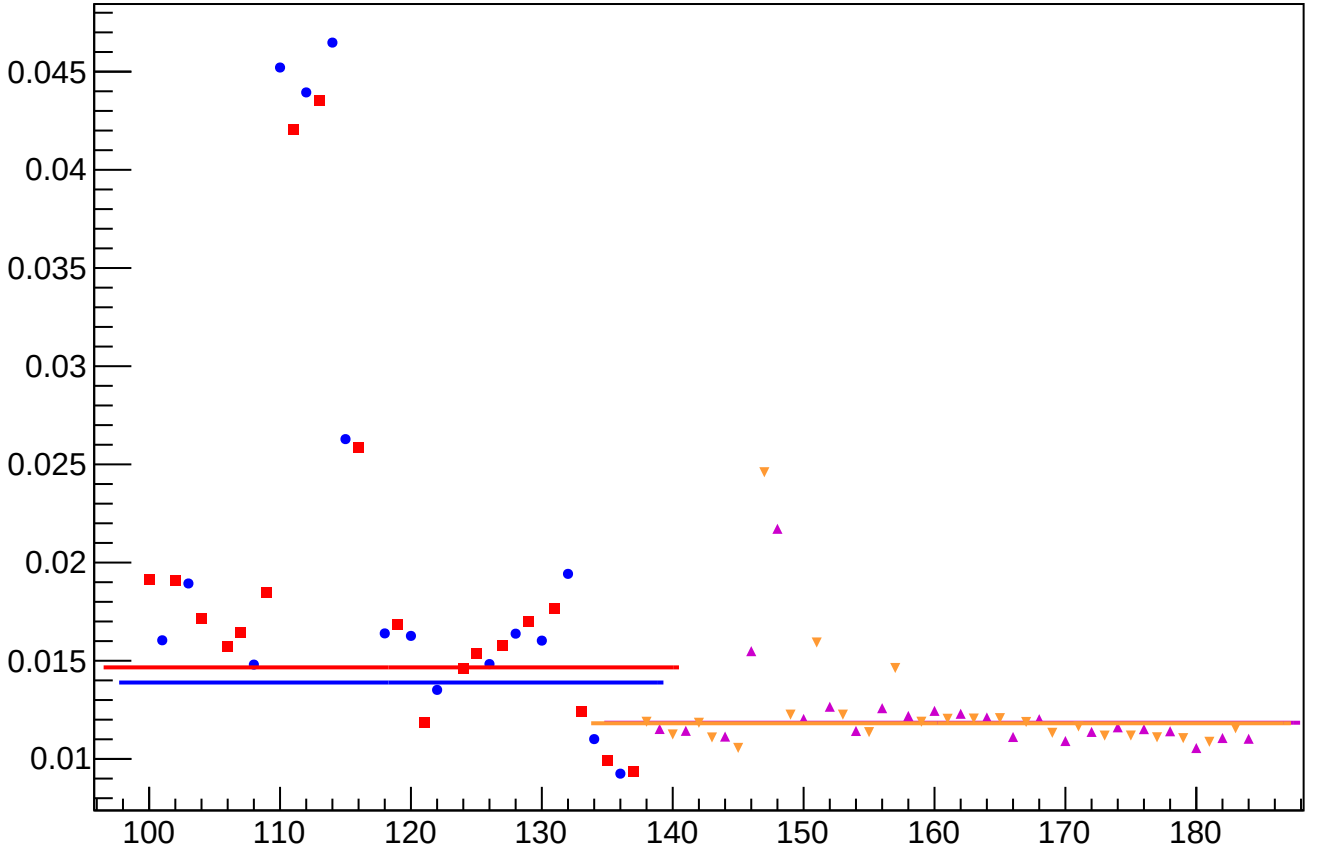
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.669+/-0.000 χ^2/NDF:5167593878.3/38

Out: 0.678+/-0.000 χ^2/NDF:5345683356.4/42

All: 0.674+/-0.000 χ^2/NDF: 10518775024.4/8

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:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1180847.3/46

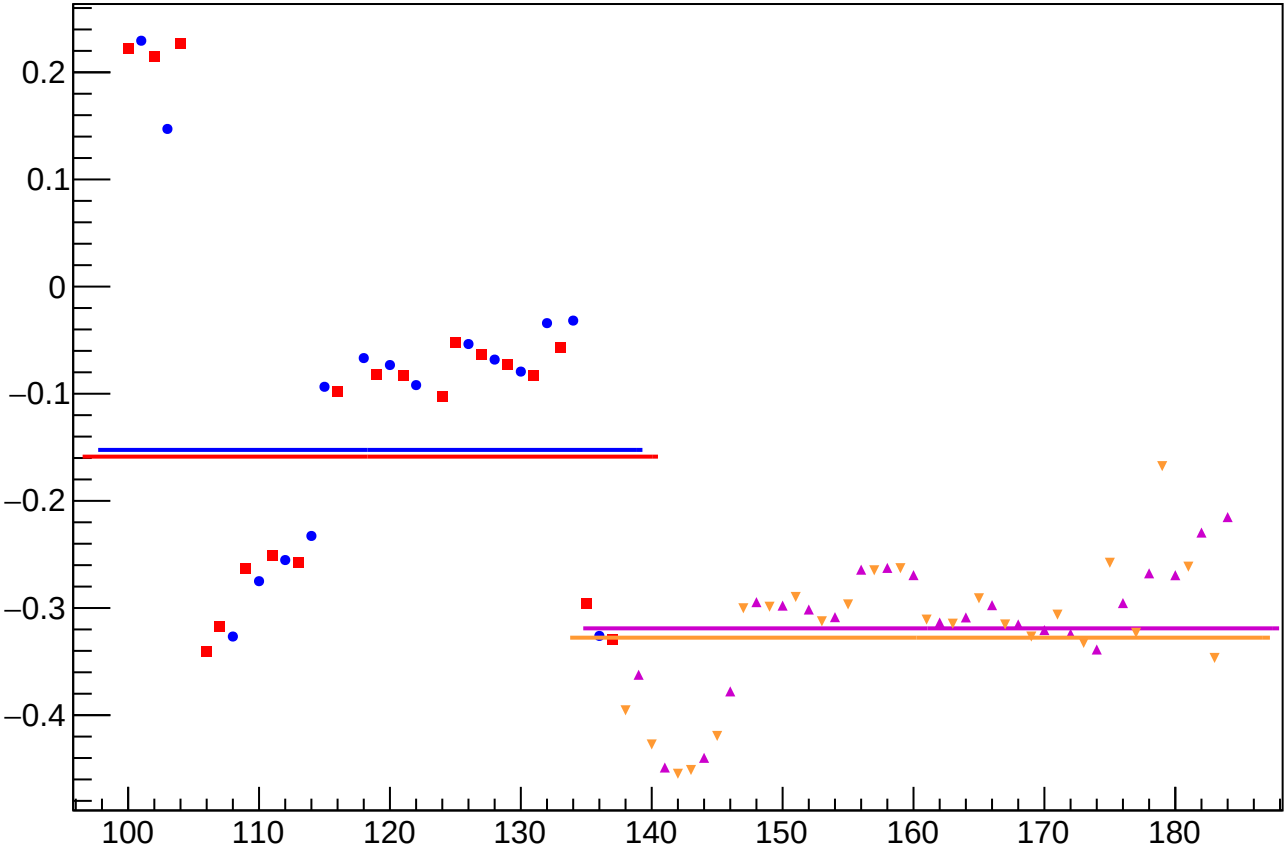
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.012+/-0.000 χ^2/NDF:2362166.3/38

Out: 0.012+/-0.000 χ^2/NDF:2521982.1/42

All: 0.012+/-0.000 χ^2/NDF: 4885253.8/81

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:130589173.8/22

Left: -0.323+/-0.000 χ^2/NDF: 296795539.3/46

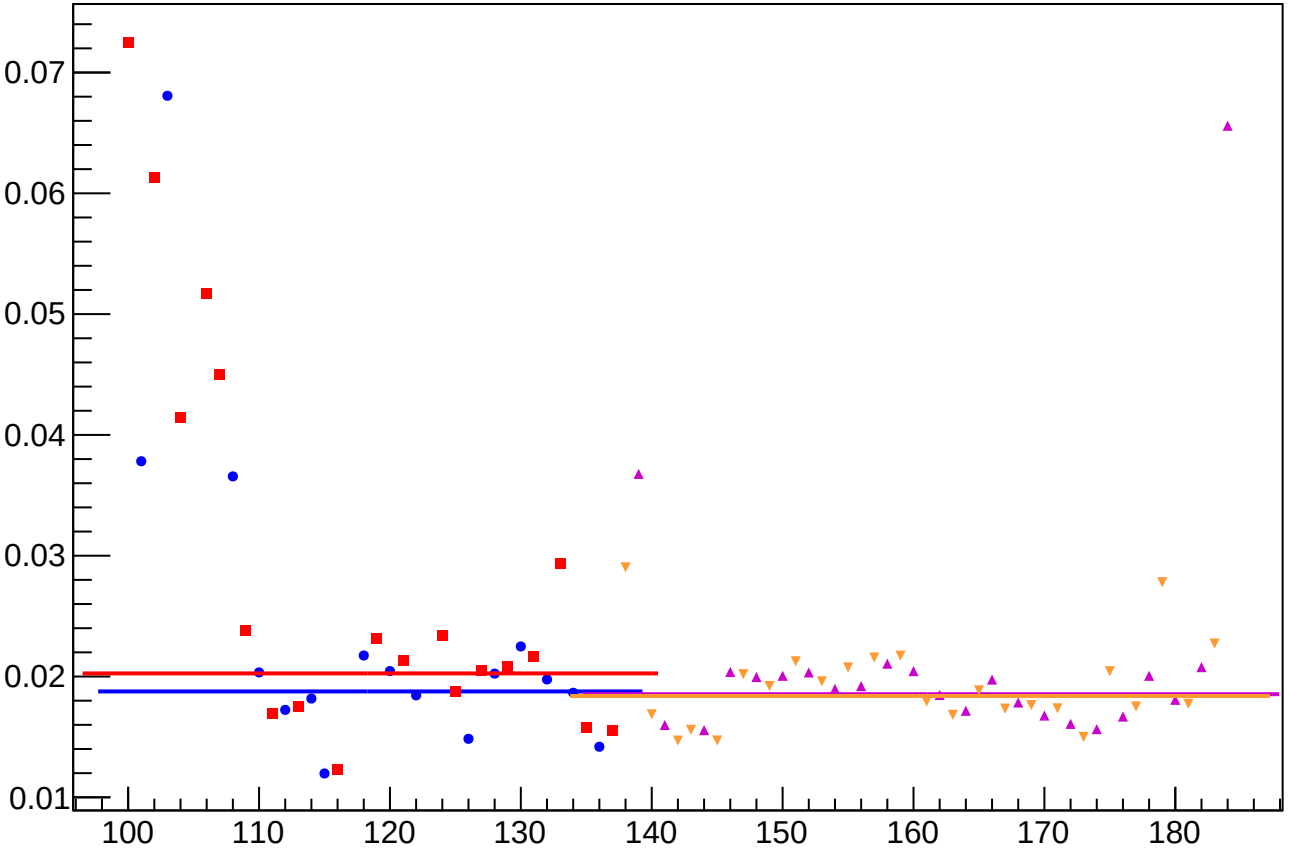
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.275+/-0.000 χ^2/NDF:712105165.5/38

Out: -0.289+/-0.000 χ^2/NDF:652475084.3/42

All: -0.282+/-0.000 χ^2/NDF: 1369961866.6/8

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: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1668363.0/46

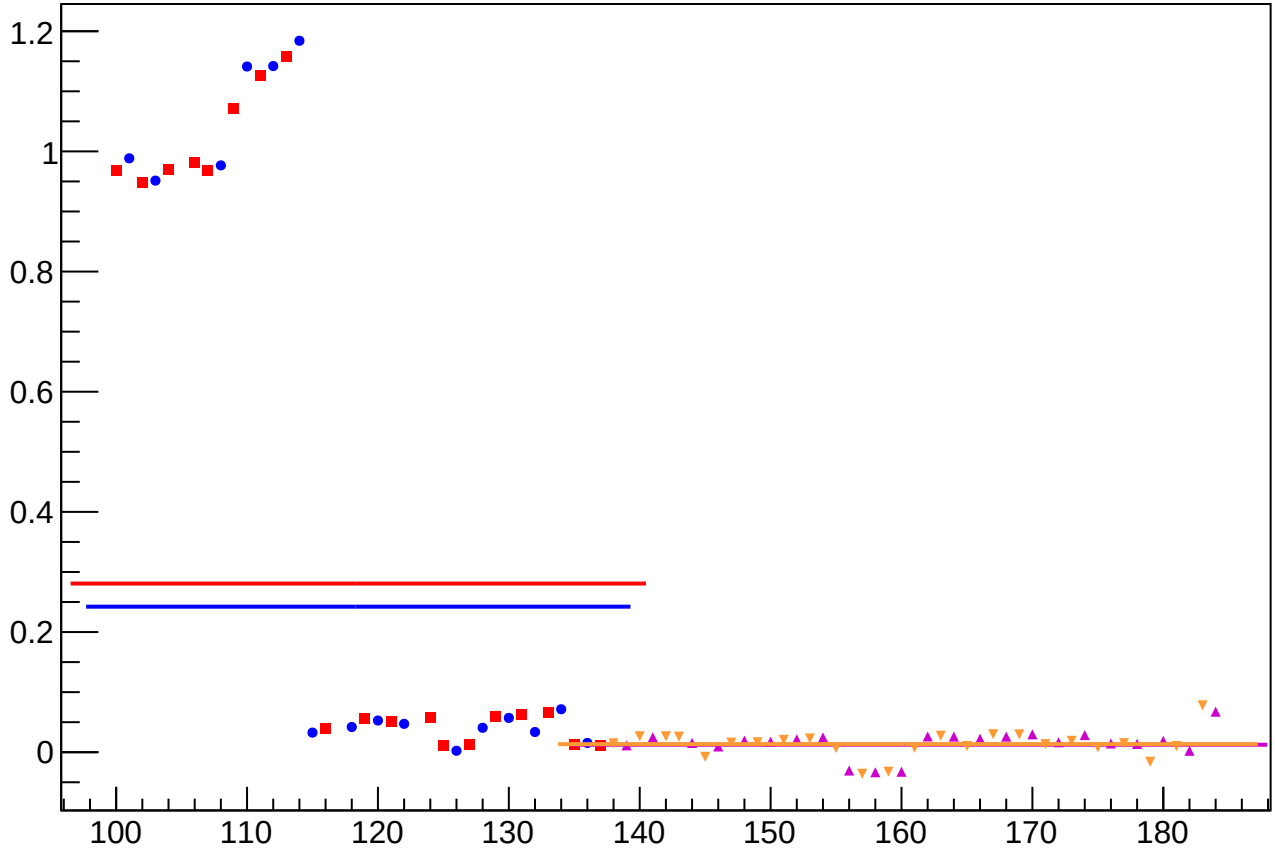
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:2284375.0/38

Out: 0.019+/-0.000 χ^2/NDF:2334835.1/42

All: 0.019+/-0.000 χ^2/NDF: 4621940.6/81

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:58674739.1/22

Left: 0.013+/-0.000 χ^2/NDF: 120707111.1/46

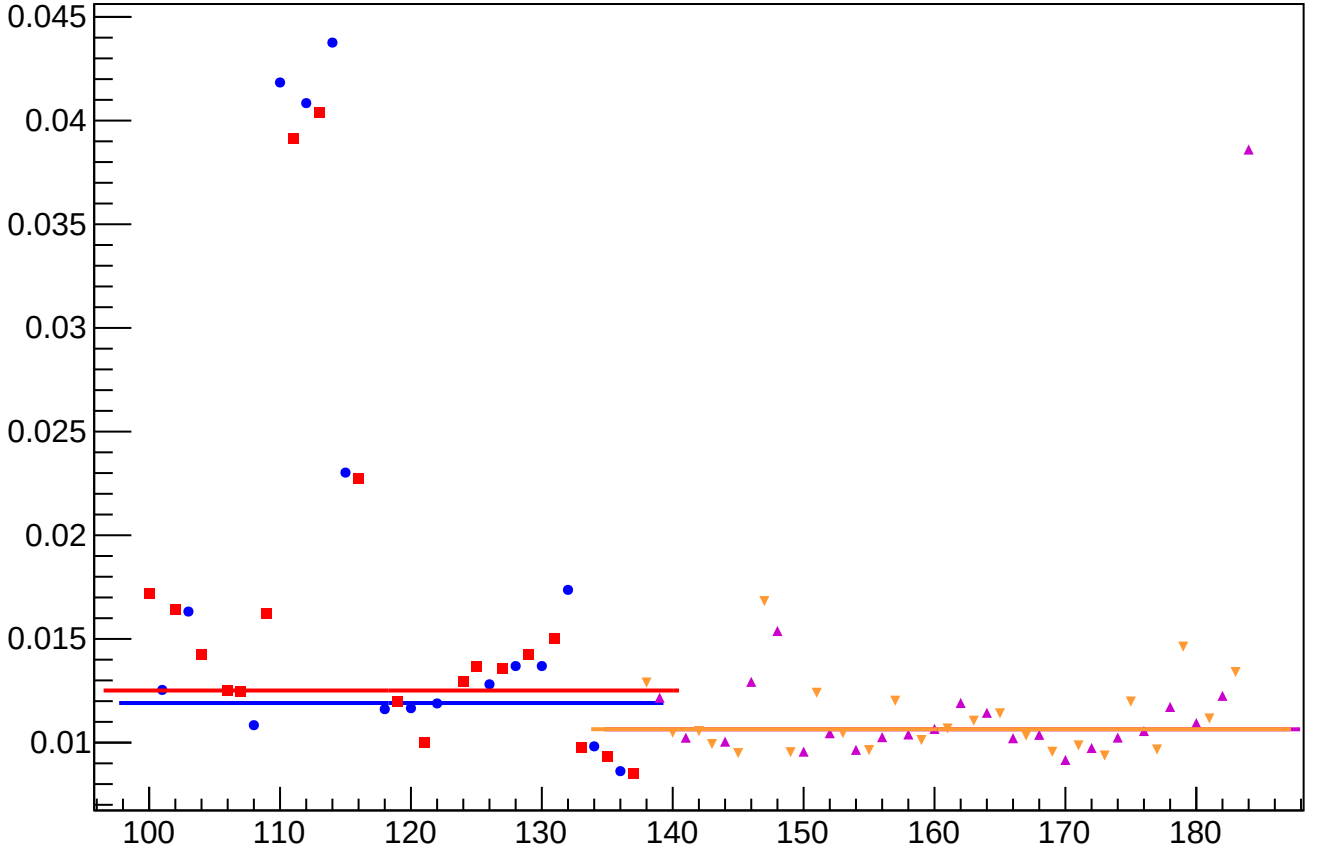
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.063+/-0.000 χ^2/NDF:8302236646.4/38

Out: 0.067+/-0.000 χ^2/NDF:9054462515.1/42

All: 0.065+/-0.000 χ^2/NDF: 17358684308.7/8

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:571950.9/22

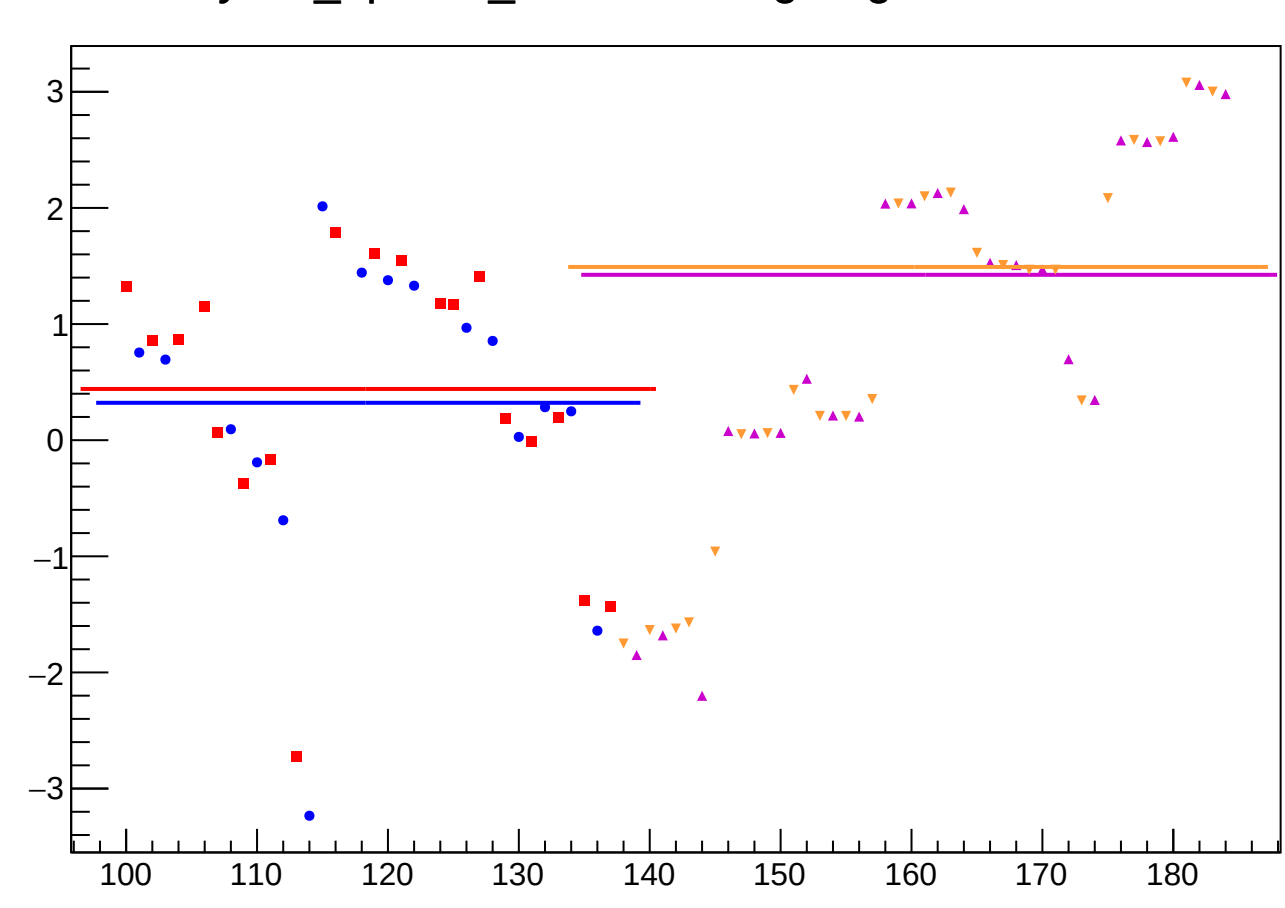
Left: 0.011+/-0.000 χ^2/NDF: 1184924.9/46

Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:2137111.5/38

Out: 0.011+/-0.000 χ^2/NDF:2223352.3/42

All: 0.011+/-0.000 χ^2/NDF: 4362486.5/81



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: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.457+/-0.000 χ^2/NDF: 133904135673.9/46

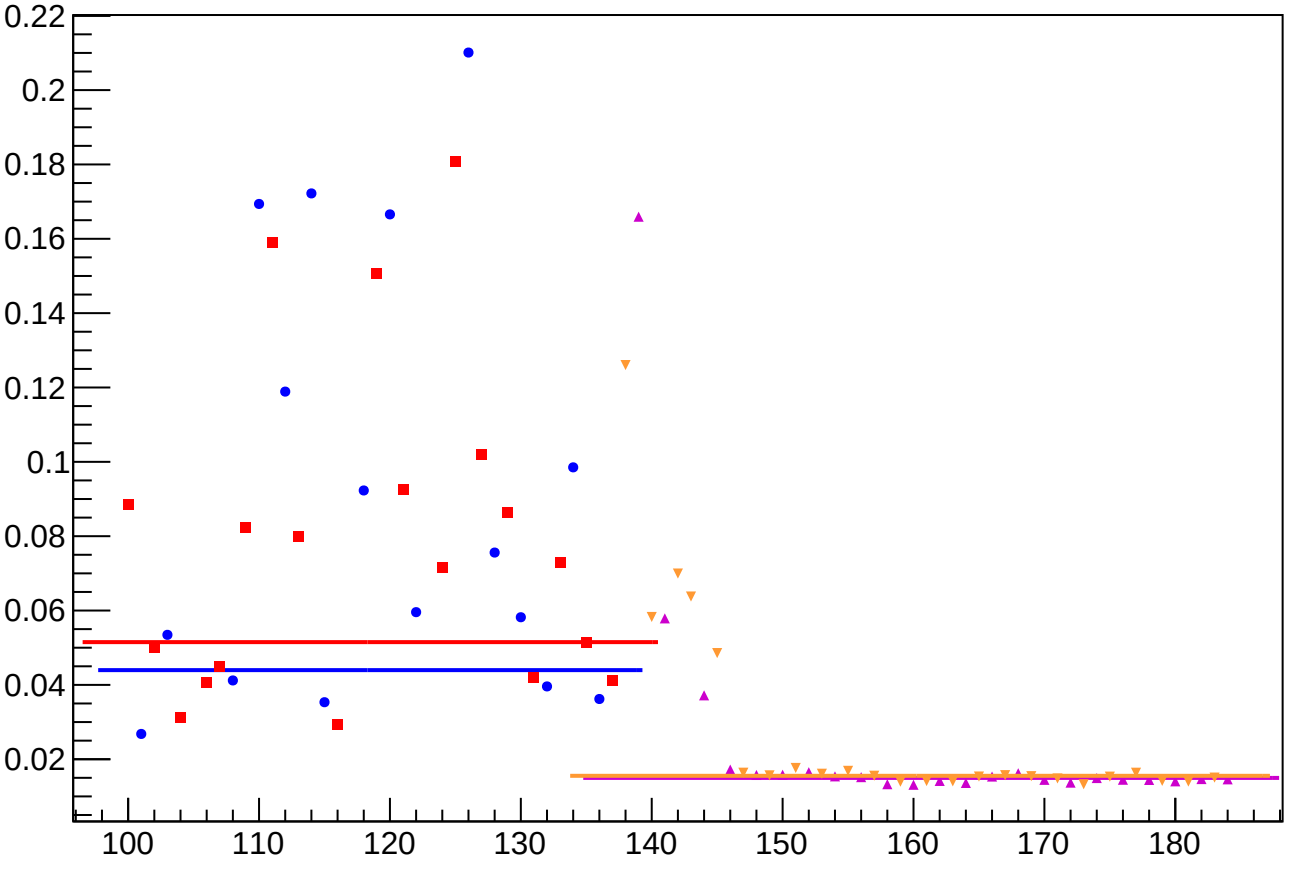
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.390+/-0.000 χ^2/NDF:72047468670.6/38

Out: 1.464+/-0.000 χ^2/NDF:69283347435.5/42

All: 1.426+/-0.000 χ^2/NDF: 141500501359.2

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:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5186707.5/46

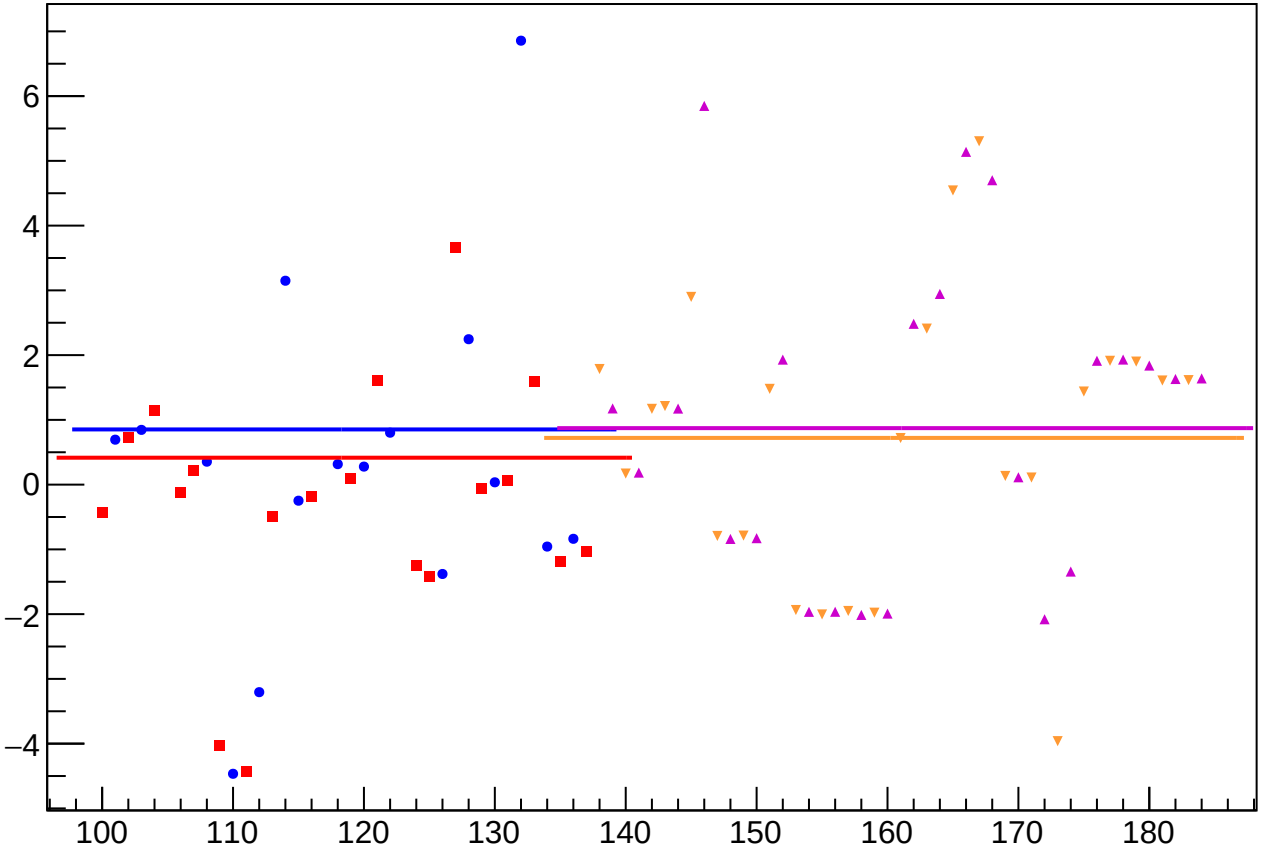
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.016+/-0.000 χ^2/NDF:8204402.1/38

Out: 0.017+/-0.000 χ^2/NDF:9494542.8/42

All: 0.016+/-0.000 χ^2/NDF: 17724181.6/81

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: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.798+/-0.000 χ^2/NDF: 1155922202241.9/46

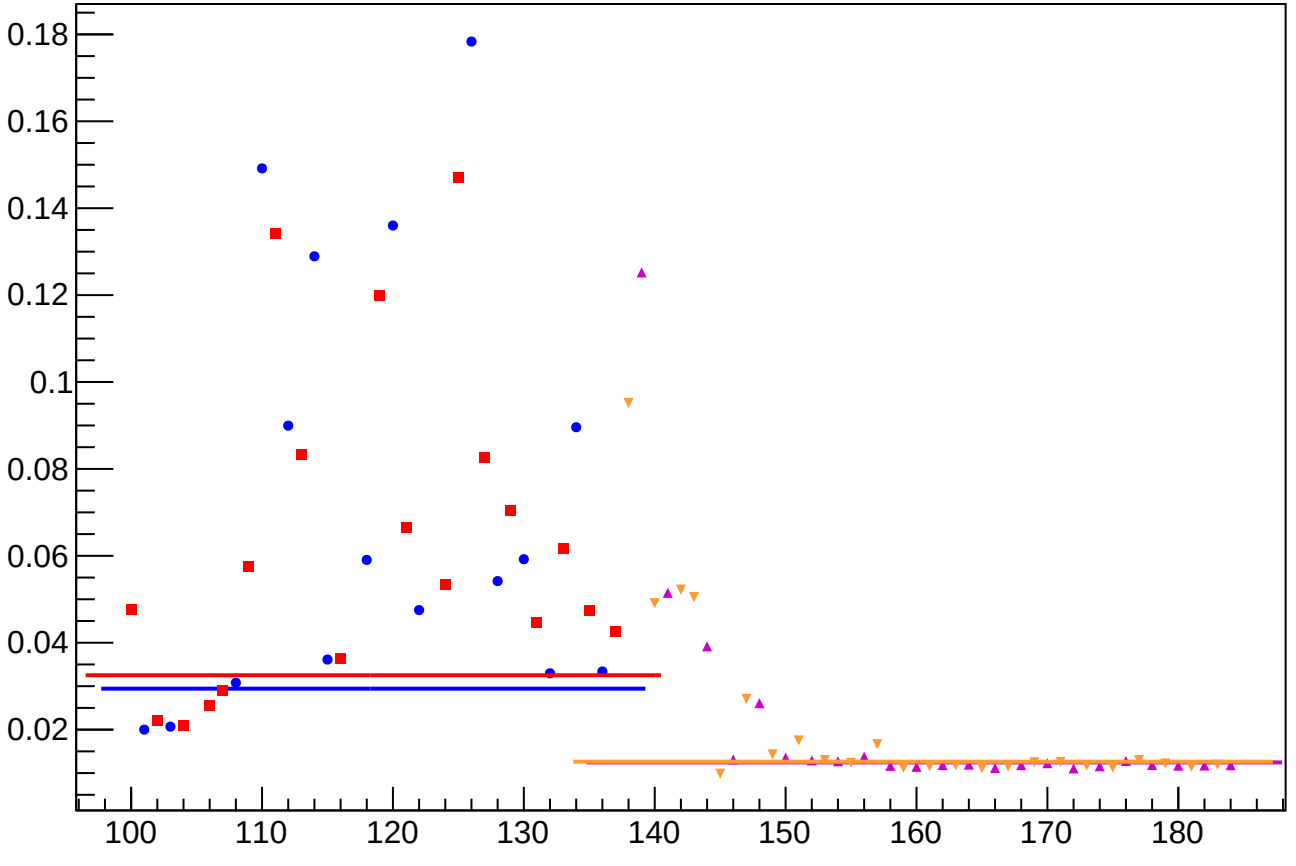
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.872+/-0.000 χ^2/NDF:631738992878.0/38

Out: 0.710+/-0.000 χ^2/NDF:540112514988.7/42

All: 0.791+/-0.000 χ^2/NDF: 1173193737799.

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:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950784.7/46

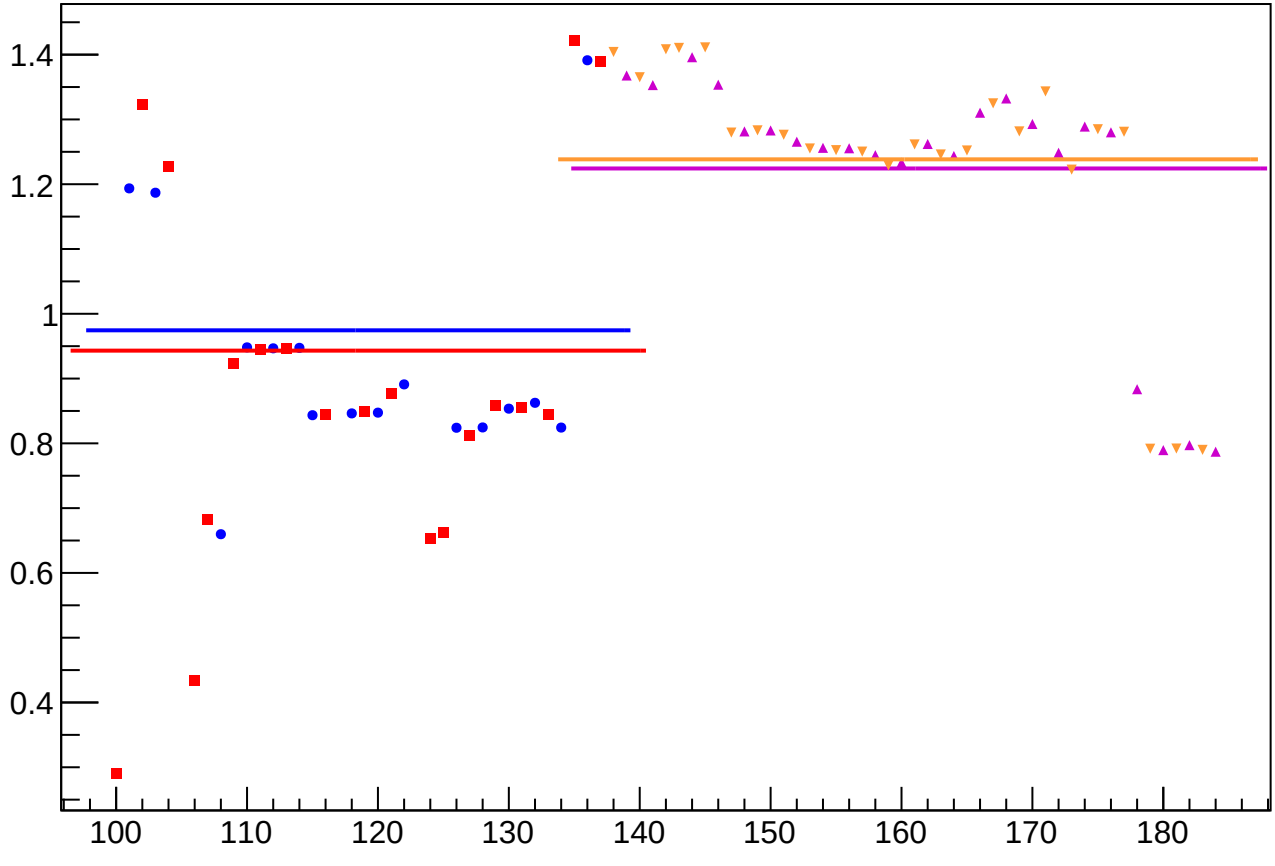
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.013+/-0.000 χ^2/NDF:8301505.0/38

Out: 0.013+/-0.000 χ^2/NDF:9474962.0/42

All: 0.013+/-0.000 χ^2/NDF: 17782113.3/81

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: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.232+/-0.000 χ^2/NDF: 5508726877.8/46

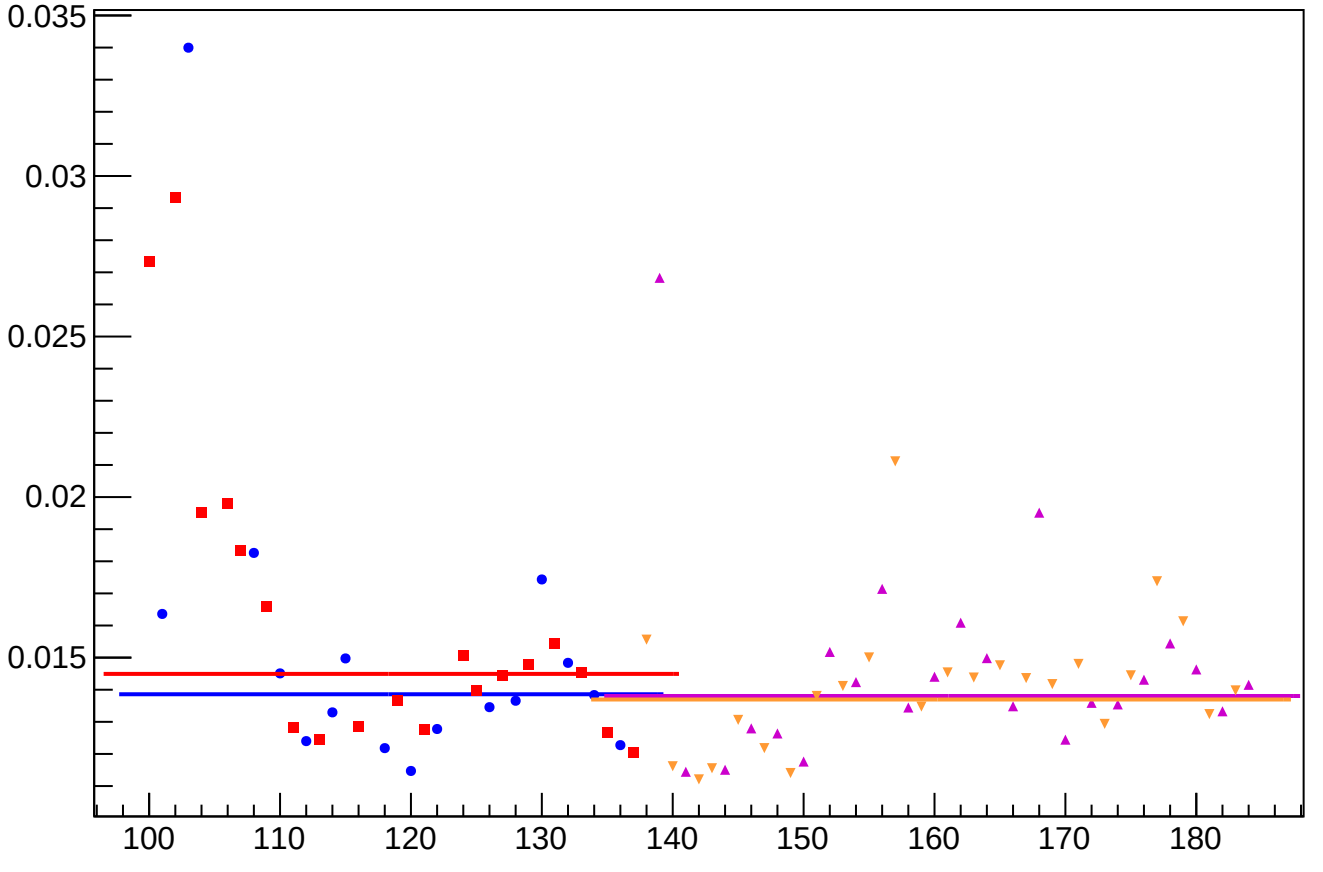
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.156+/-0.000 χ^2/NDF:5576471226.7/38

Out: 1.163+/-0.000 χ^2/NDF:6499793047.1/42

All: 1.159+/-0.000 χ^2/NDF: 12079664606.7/8

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:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1413534.5/46

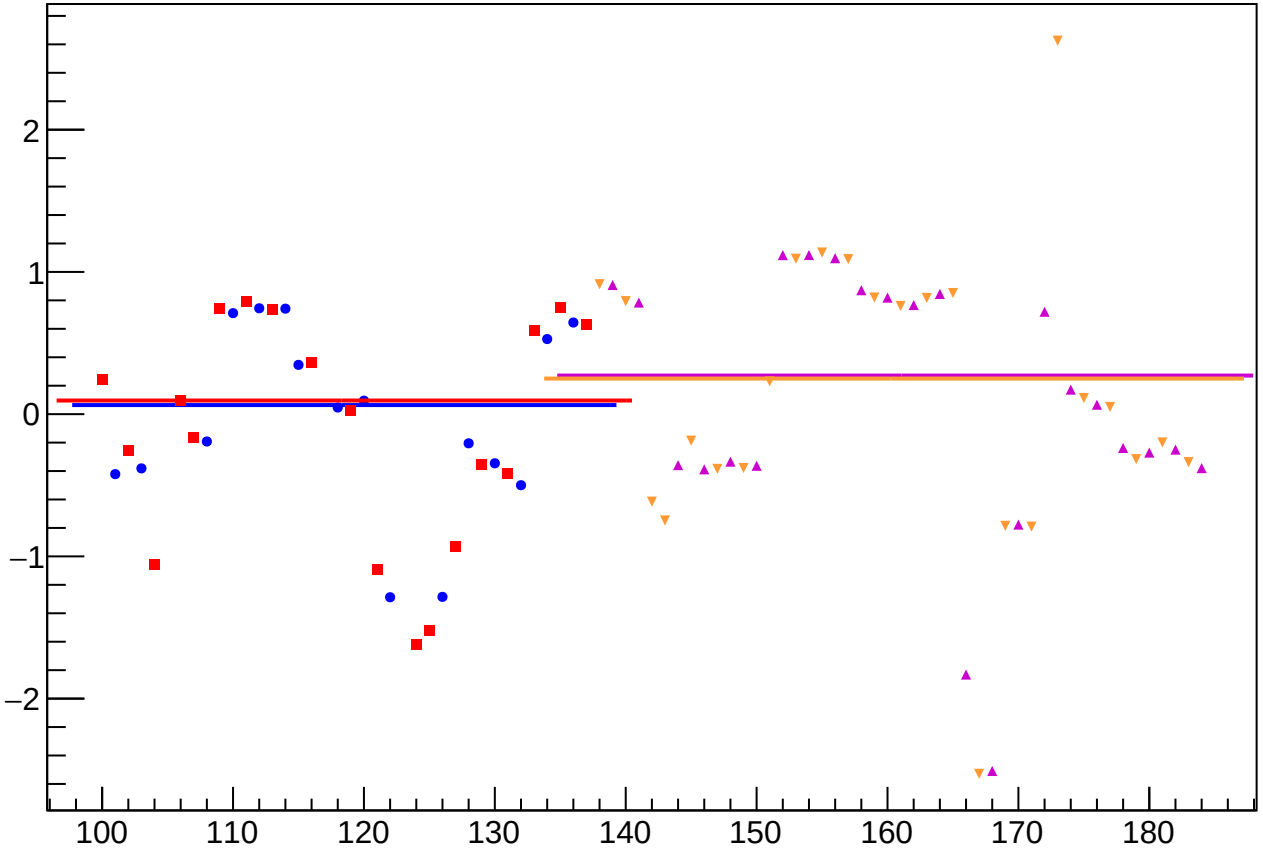
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1470222.2/38

Out: 0.014+/-0.000 χ^2/NDF:1115655.0/42

All: 0.014+/-0.000 χ^2/NDF: 2586619.9/81

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: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.261+/-0.000 χ^2/NDF: 195634796859.2/46

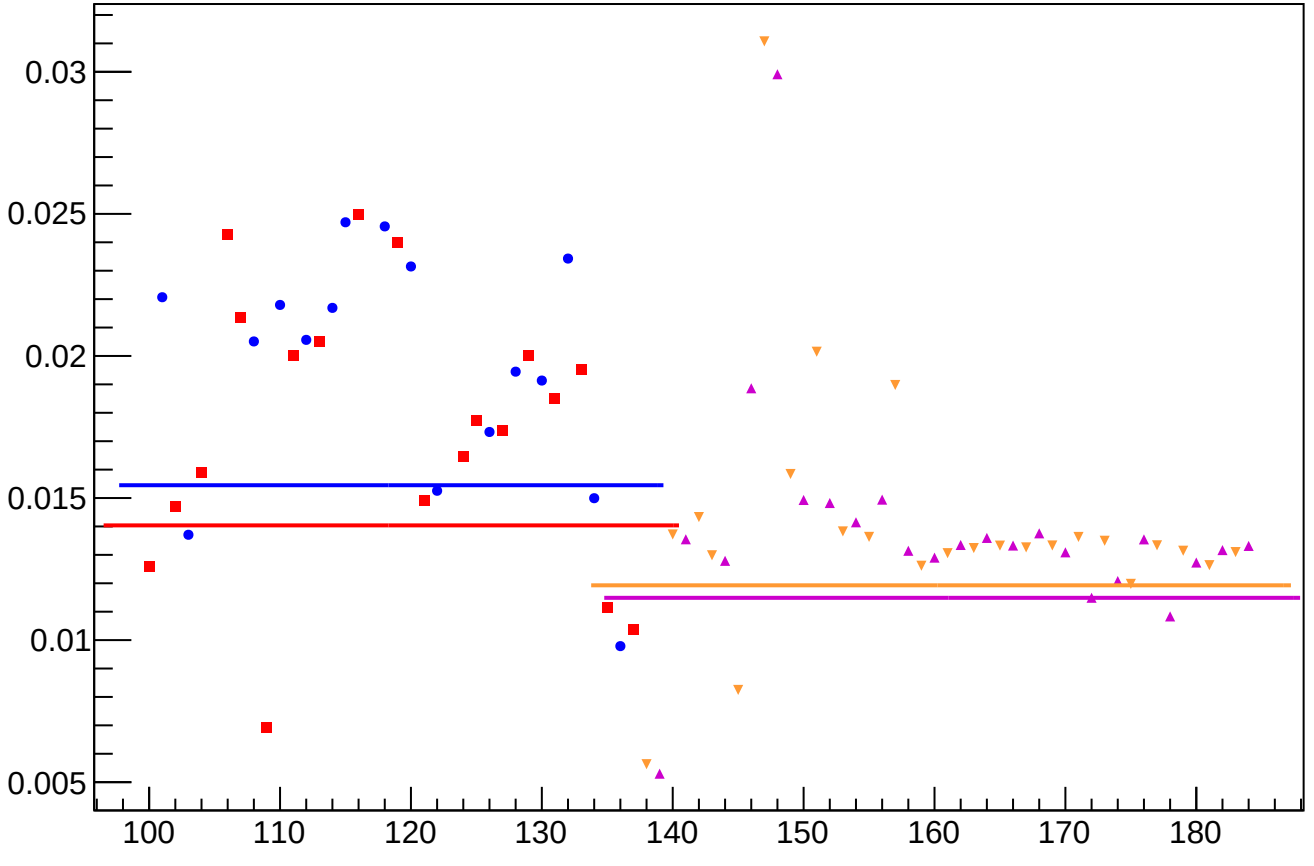
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.235+/-0.000 χ^2/NDF:102429655368.3/38

Out: 0.219+/-0.000 χ^2/NDF:123458077363.7/42

All: 0.227+/-0.000 χ^2/NDF: 225906709947.4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:3257355.8/23

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6951162.3/46

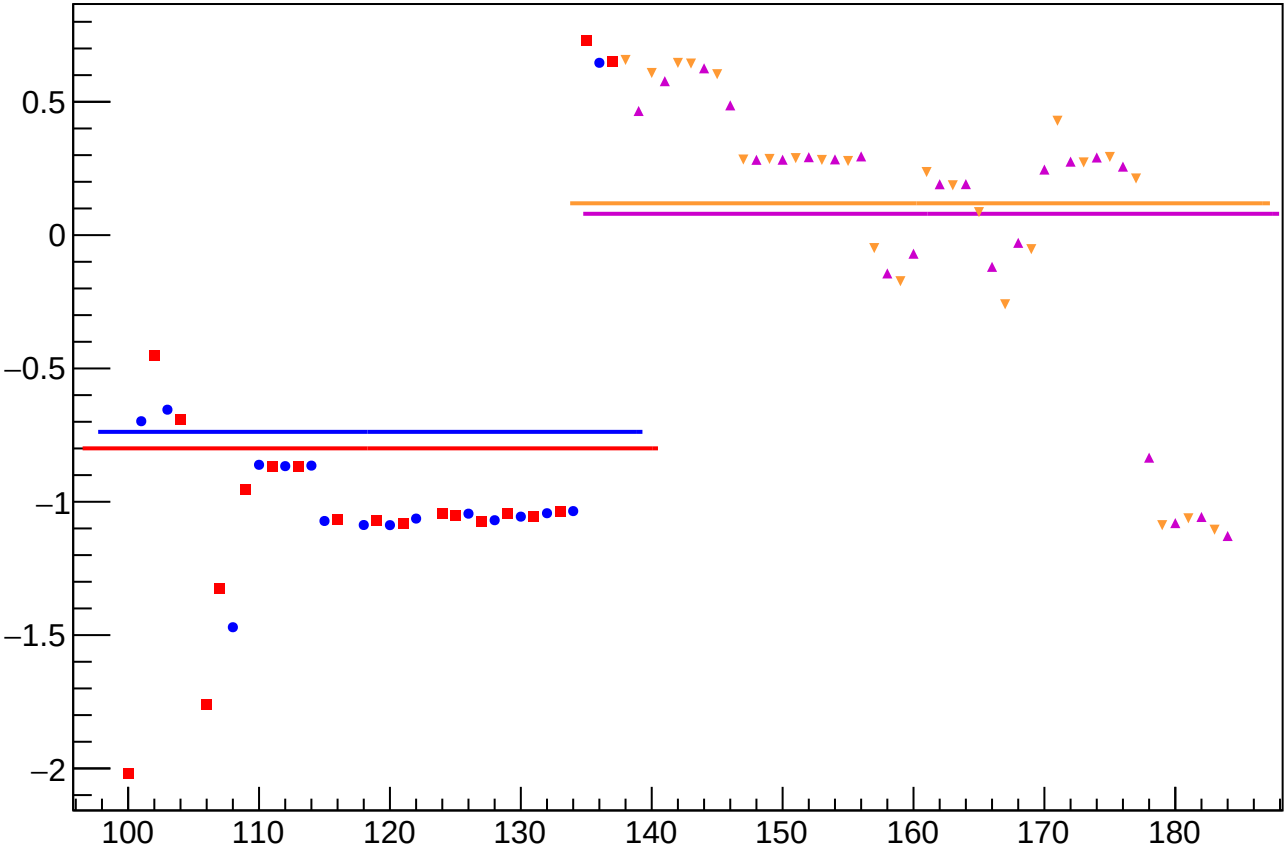
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5616199.6/38

Out: 0.012+/-0.000 χ^2/NDF:5155178.6/42

All: 0.012+/-0.000 χ^2/NDF: 10775752.8/81

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: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.100+/-0.000 χ^2/NDF: 6834195346.3/46

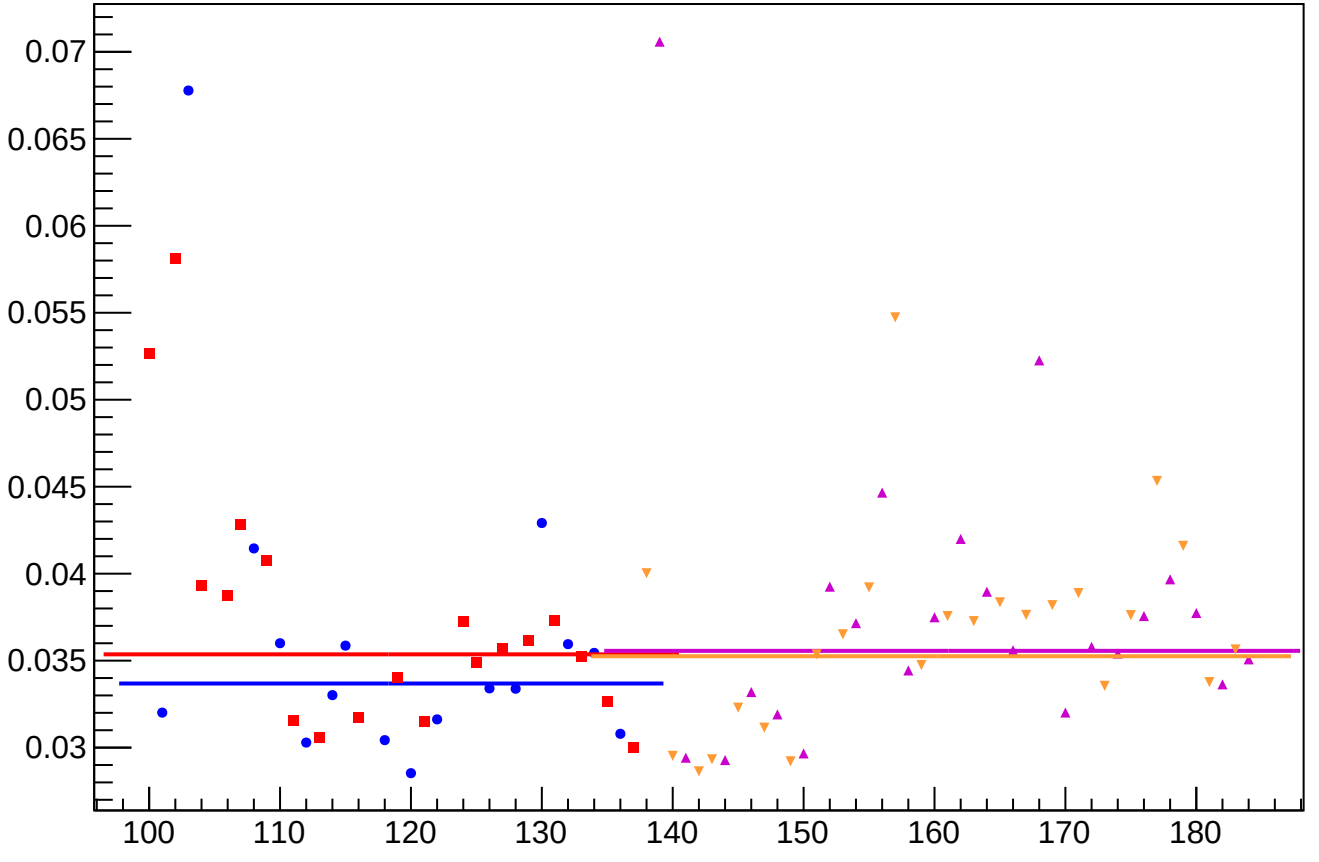
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.169+/-0.000 χ^2/NDF:7928257130.3/38

Out: -0.137+/-0.000 χ^2/NDF:8586058852.9/42

All: -0.153+/-0.000 χ^2/NDF: 16523258829.8/

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:960383.5/22

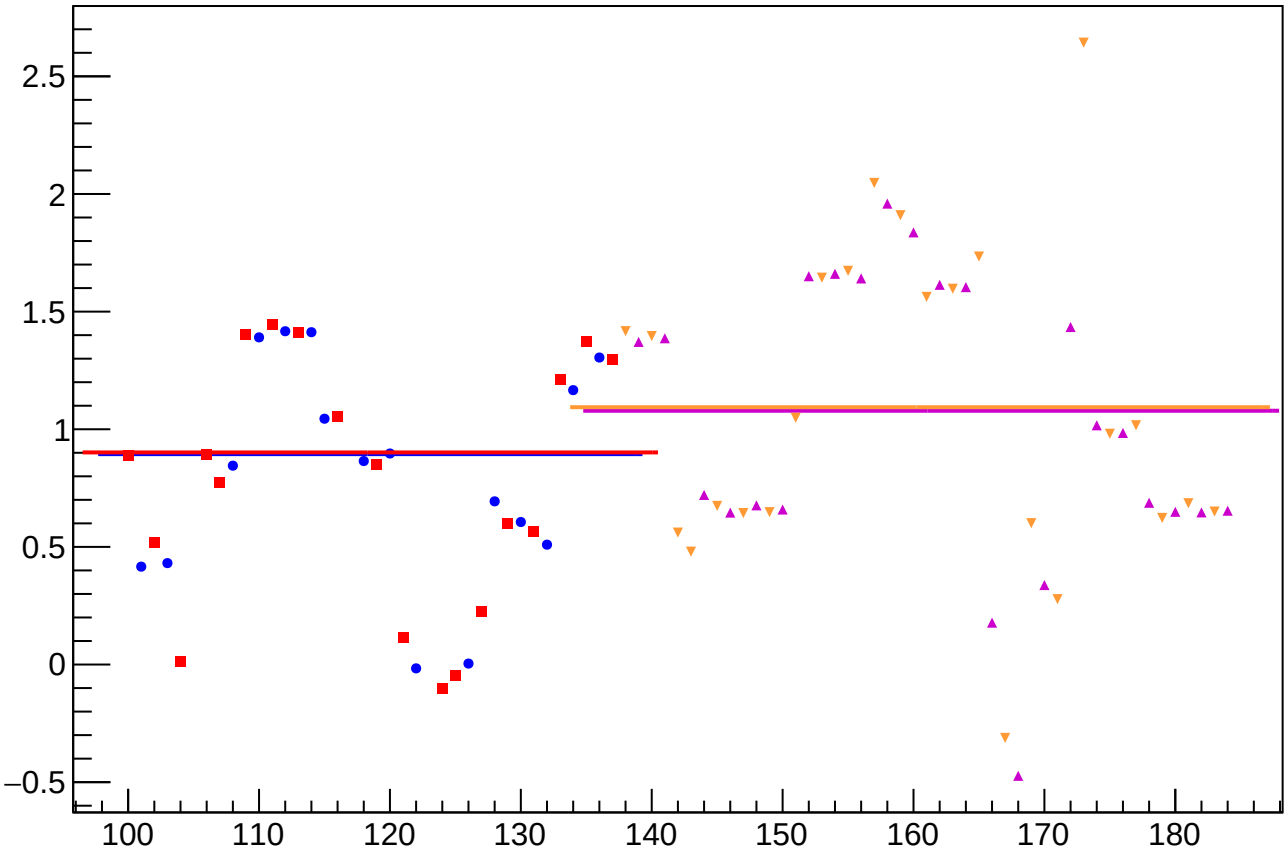
Left: 0.035+/-0.000 χ^2/NDF: 1568102.6/46

Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.035+/-0.000 χ^2/NDF:1407881.7/38

Out: 0.035+/-0.000 χ^2/NDF:902907.7/42

All: 0.035+/-0.000 χ^2/NDF: 2312346.6/81



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: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.086+/-0.000 χ^2/NDF: 167391891399.5/46

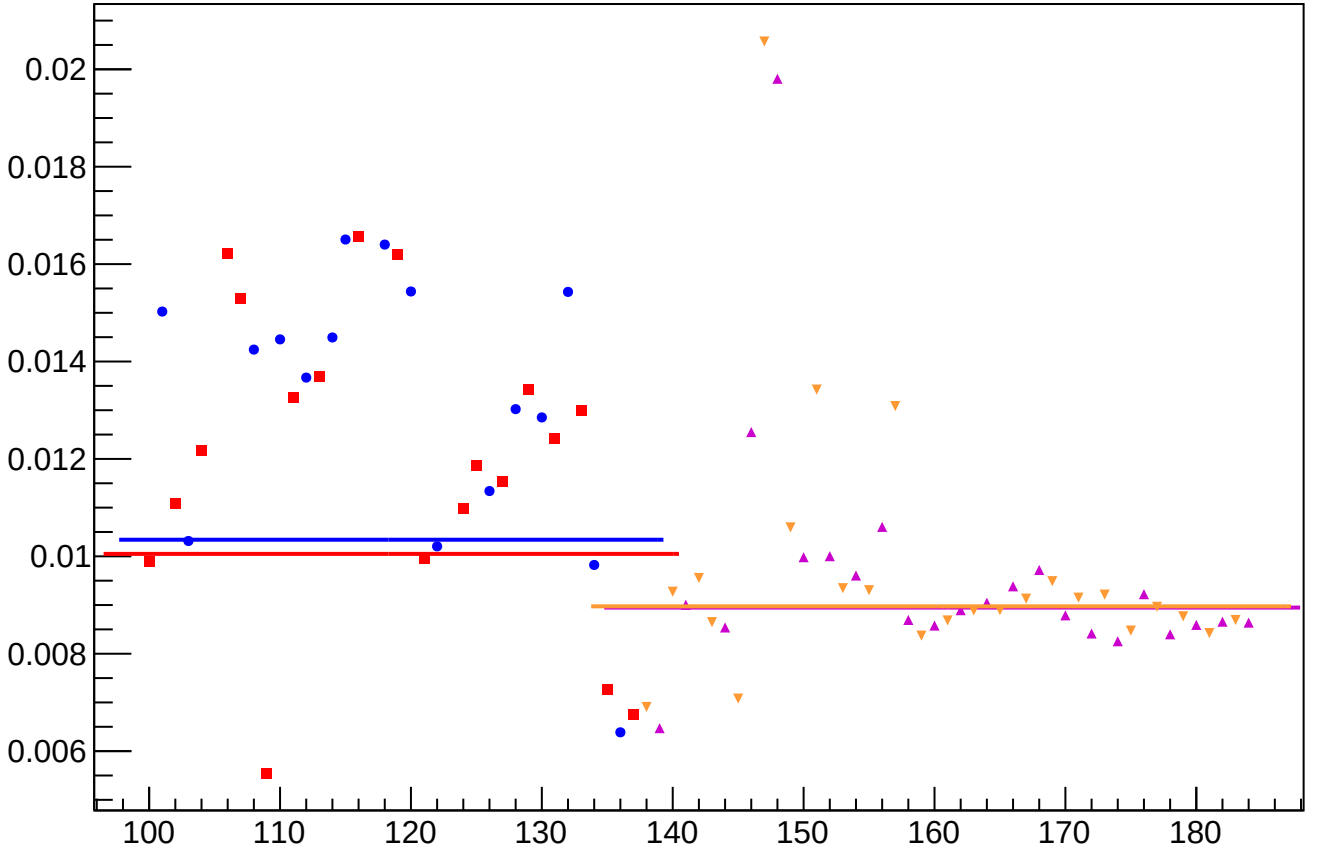
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.040+/-0.000 χ^2/NDF:88331900463.6/38

Out: 1.053+/-0.000 χ^2/NDF:112928422301.9/42

All: 1.047+/-0.000 χ^2/NDF: 201281000628.7

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:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.5/46

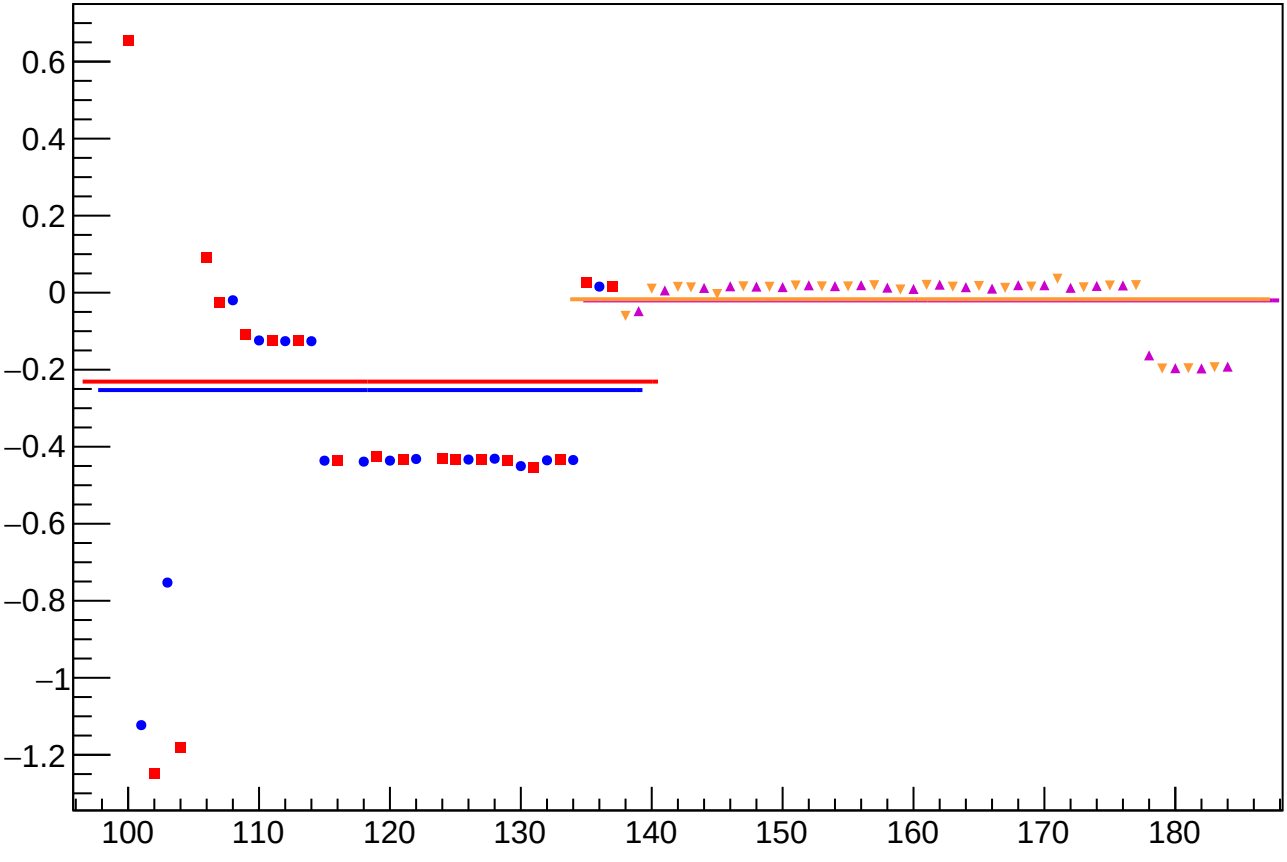
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2488630.5/38

Out: 0.009+/-0.000 χ^2/NDF:2593270.7/42

All: 0.009+/-0.000 χ^2/NDF: 5082221.3/81

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: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.019+/-0.000 χ^2/NDF: 1975542876.8/46

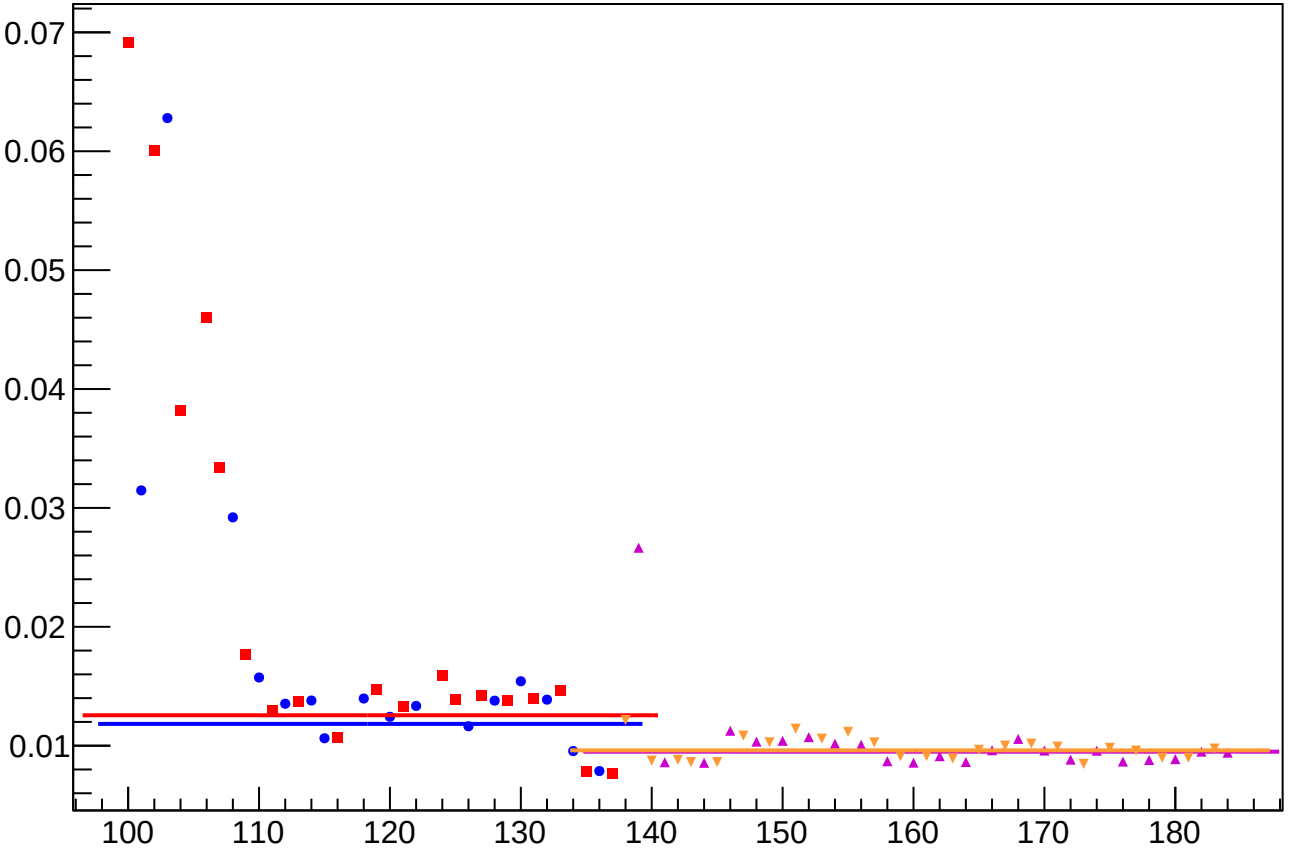
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.061+/-0.000 χ^2/NDF:4600215586.9/38

Out: -0.050+/-0.000 χ^2/NDF:4027969964.0/42

All: -0.055+/-0.000 χ^2/NDF: 8639831379.9/8

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:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1172747.4/46

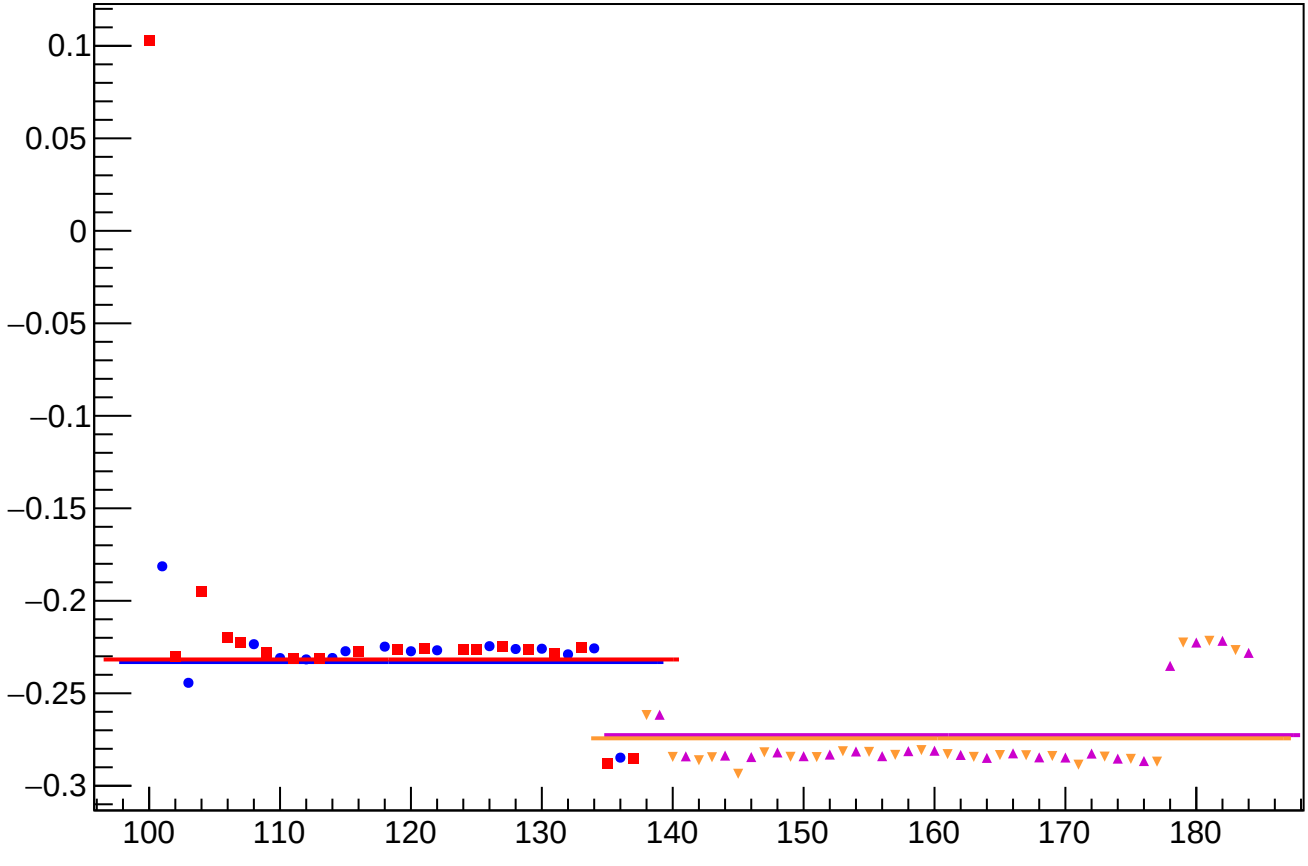
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3163246.8/38

Out: 0.010+/-0.000 χ^2/NDF:2955929.5/42

All: 0.010+/-0.000 χ^2/NDF: 6124250.9/81

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: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.274+/-0.000 χ^2/NDF: 704281824.5/46

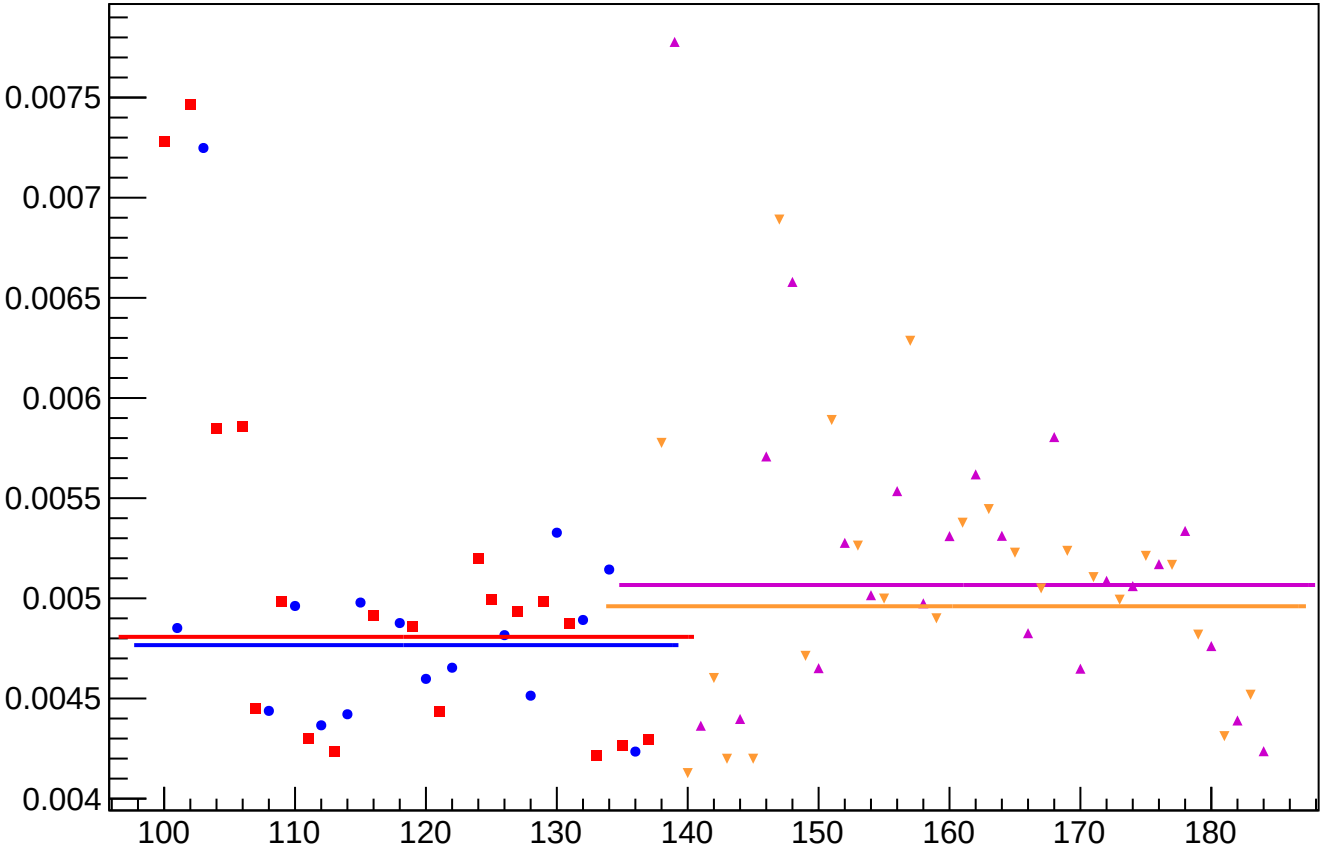
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.261+/-0.000 χ^2/NDF:844940822.4/38

Out: -0.262+/-0.000 χ^2/NDF:1031762162.1/42

All: -0.262+/-0.000 χ^2/NDF: 1877538853.4/8

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:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1067119.9/46

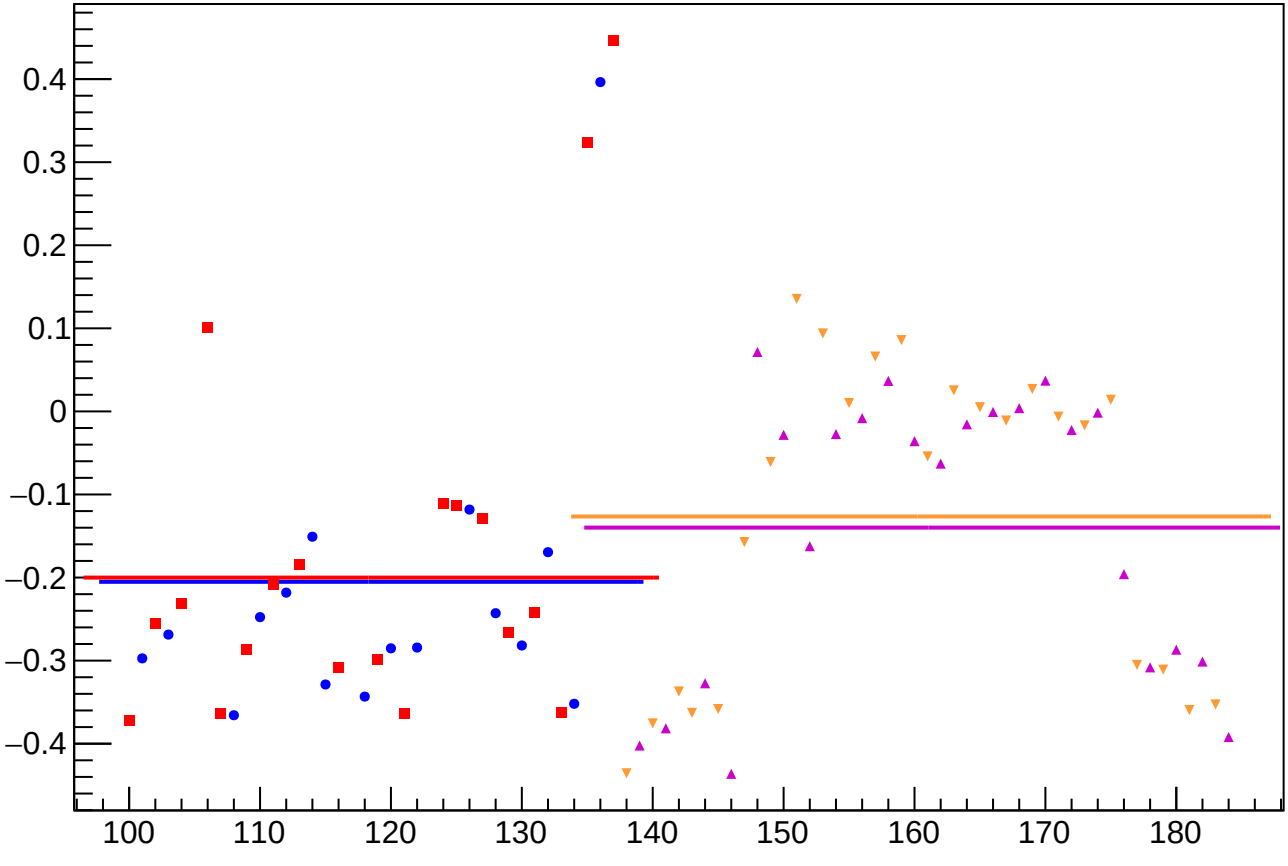
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:767007.3/38

Out: 0.005+/-0.000 χ^2/NDF:823312.3/42

All: 0.005+/-0.000 χ^2/NDF: 1593901.9/81

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: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.133+/-0.000 χ^2/NDF: 36111758712.3/46

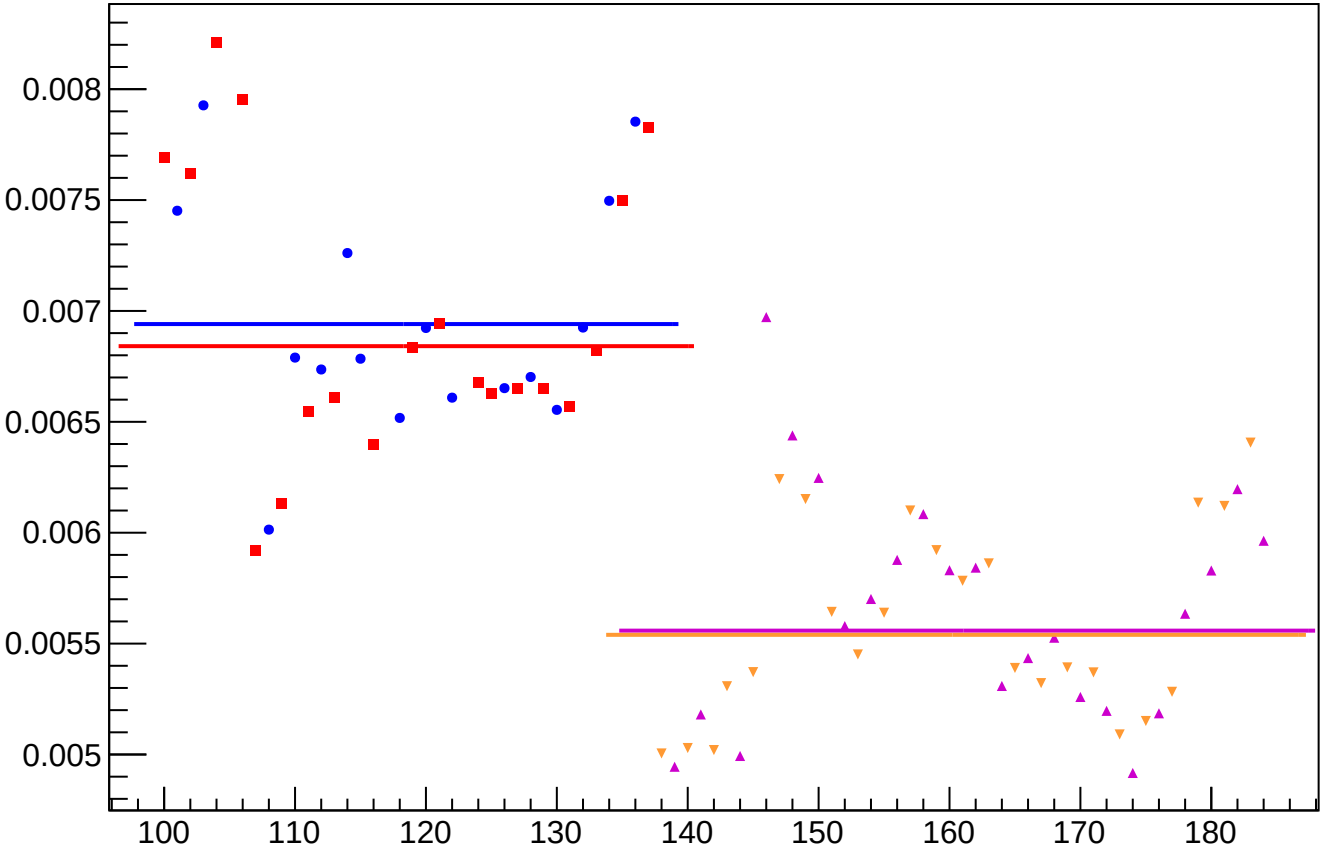
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.153+/-0.000 χ^2/NDF:21830926079.0/38

Out: -0.142+/-0.000 χ^2/NDF:26822738789.1/42

All: -0.147+/-0.000 χ^2/NDF: 48702629820.7/

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:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 459267.3/46

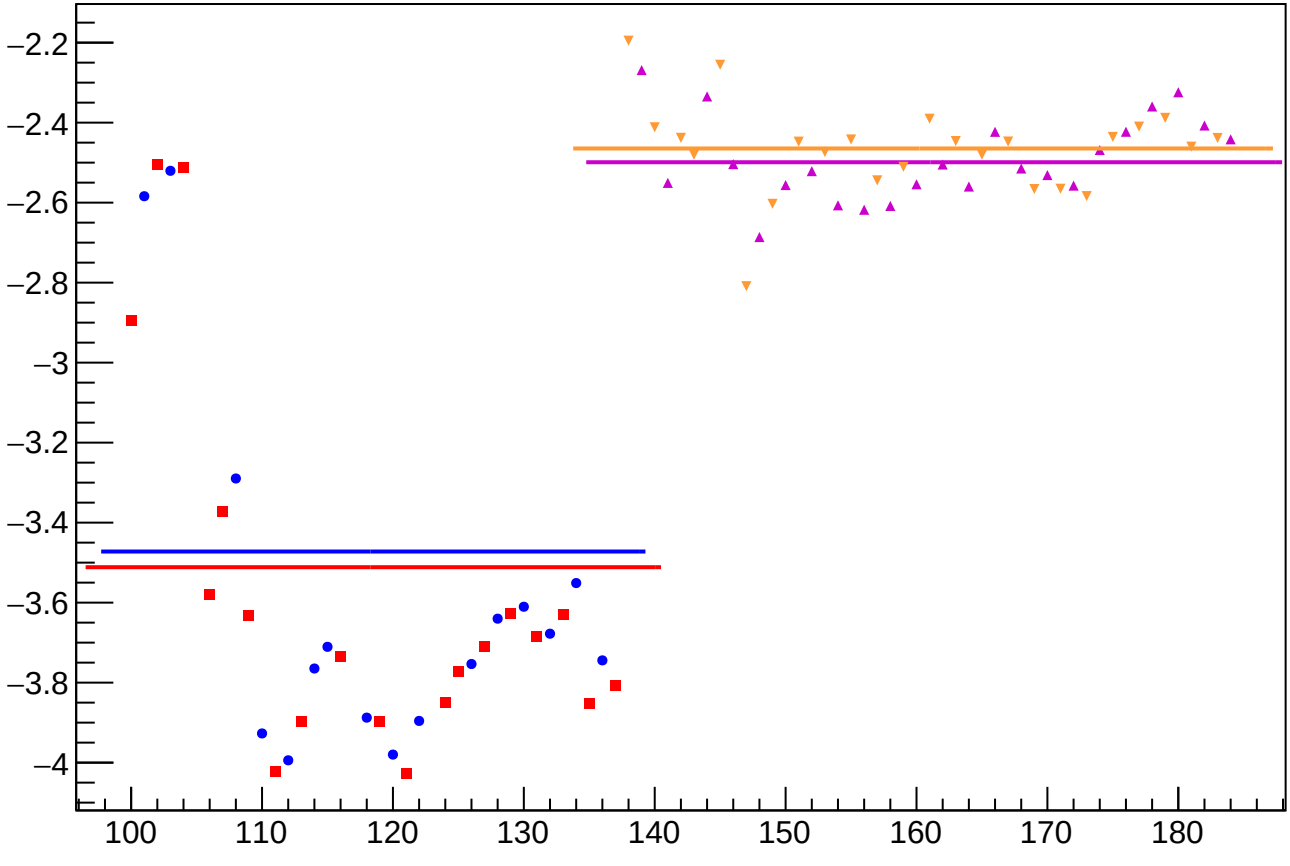
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:788671.6/38

Out: 0.006+/-0.000 χ^2/NDF:711973.2/42

All: 0.006+/-0.000 χ^2/NDF: 1501552.5/81

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: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.481+/-0.000 χ^2/NDF: 4579277999.5/46

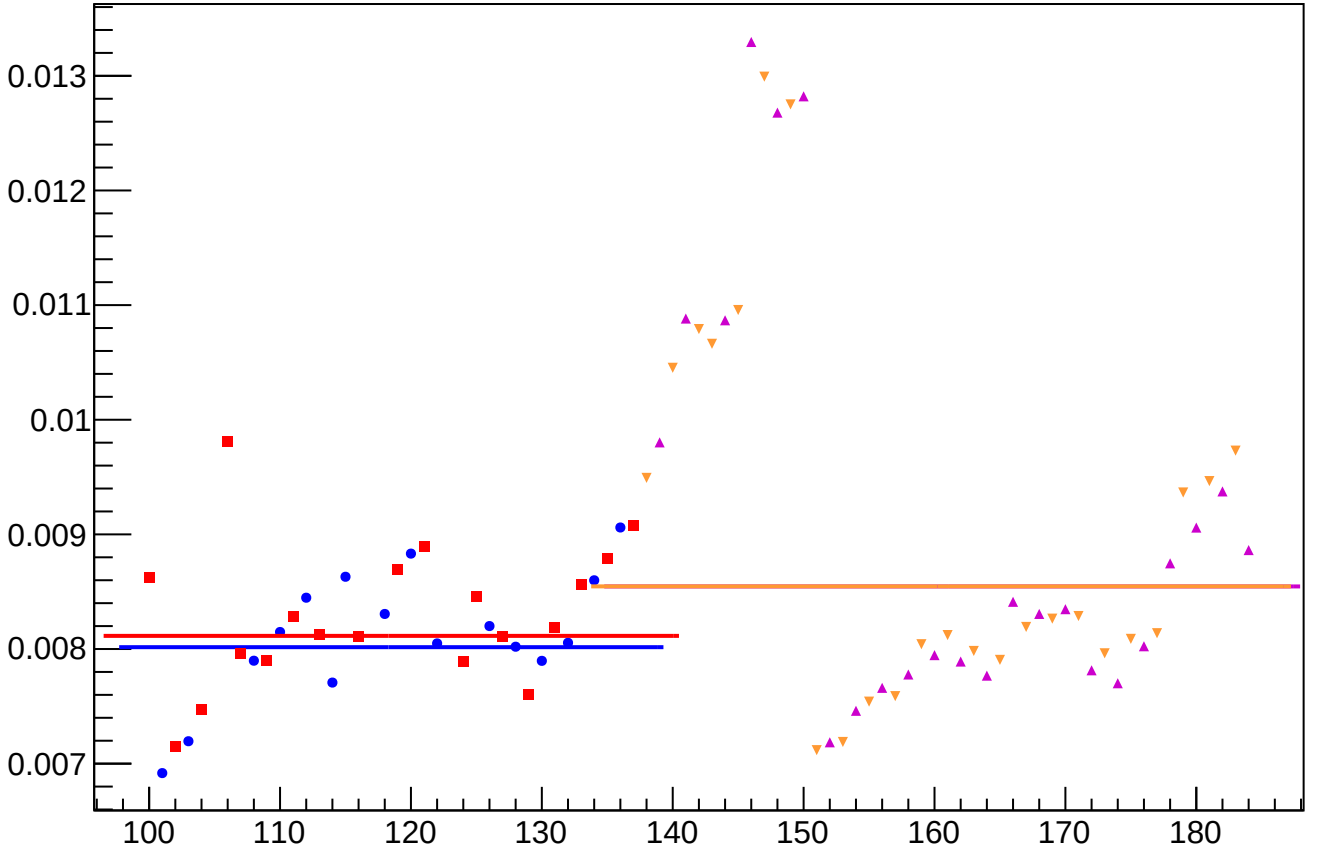
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -2.808+/-0.000 χ^2/NDF:102178252686.4/38

Out: -2.786+/-0.000 χ^2/NDF:113942651377.5/42

All: -2.797+/-0.000 χ^2/NDF: 216204527108.3

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:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1728624.6/46

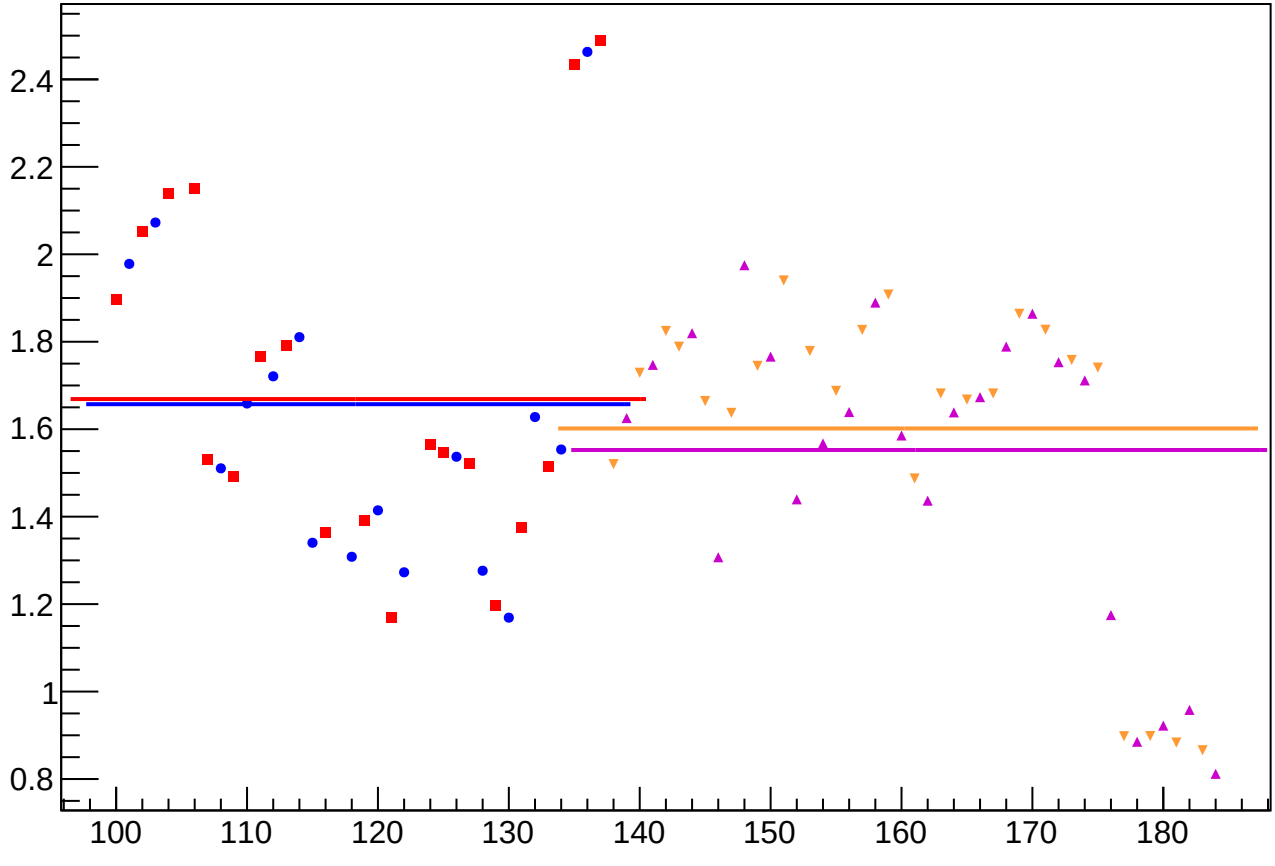
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:1038673.4/38

Out: 0.008+/-0.000 χ^2/NDF:916846.1/42

All: 0.008+/-0.000 χ^2/NDF: 1955971.5/81

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: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.578+/-0.000 χ^2/NDF: 30111750453.2/46

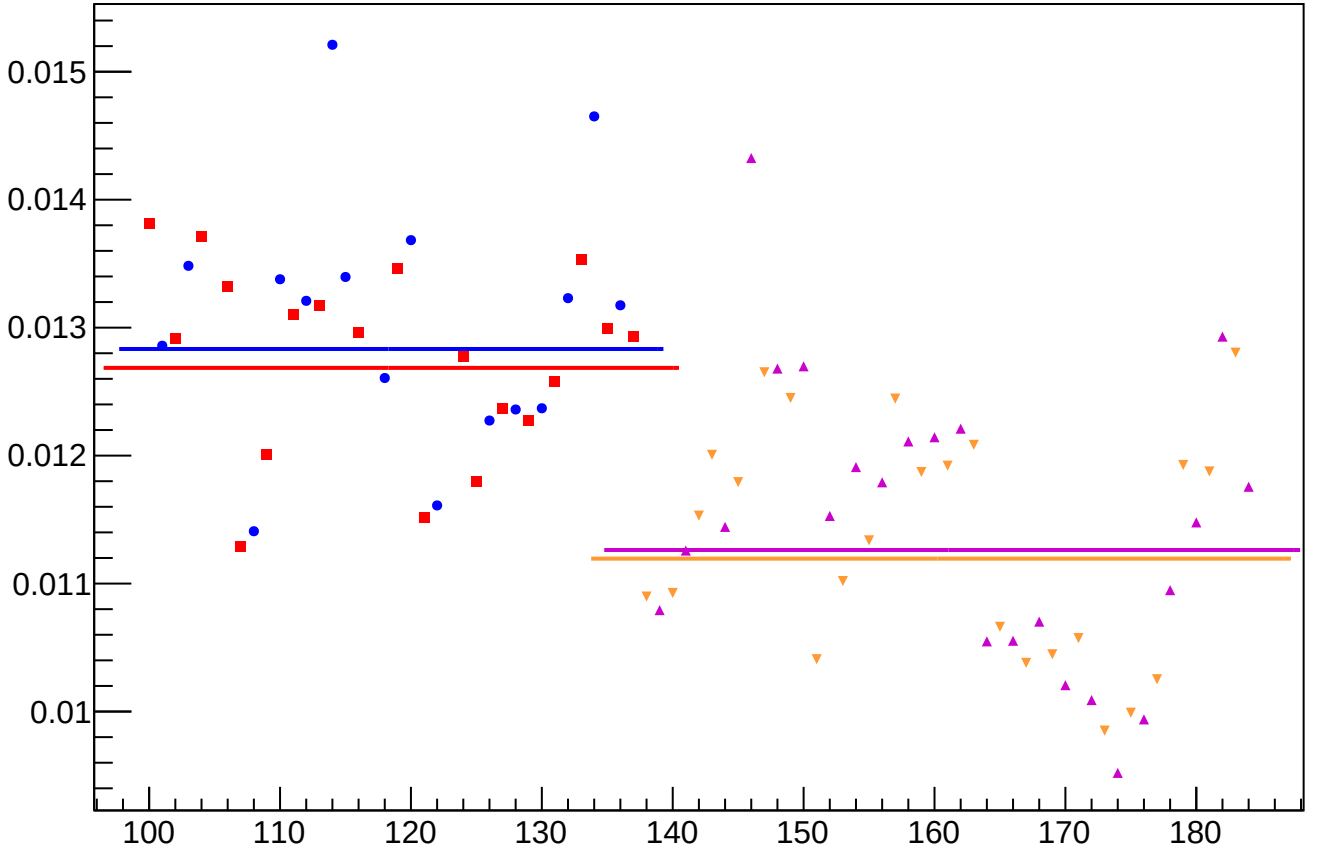
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.577+/-0.000 χ^2/NDF:21078449372.7/38

Out: 1.618+/-0.000 χ^2/NDF:22397281592.9/42

All: 1.598+/-0.000 χ^2/NDF: 43624976084.5/8

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:311660.7/22

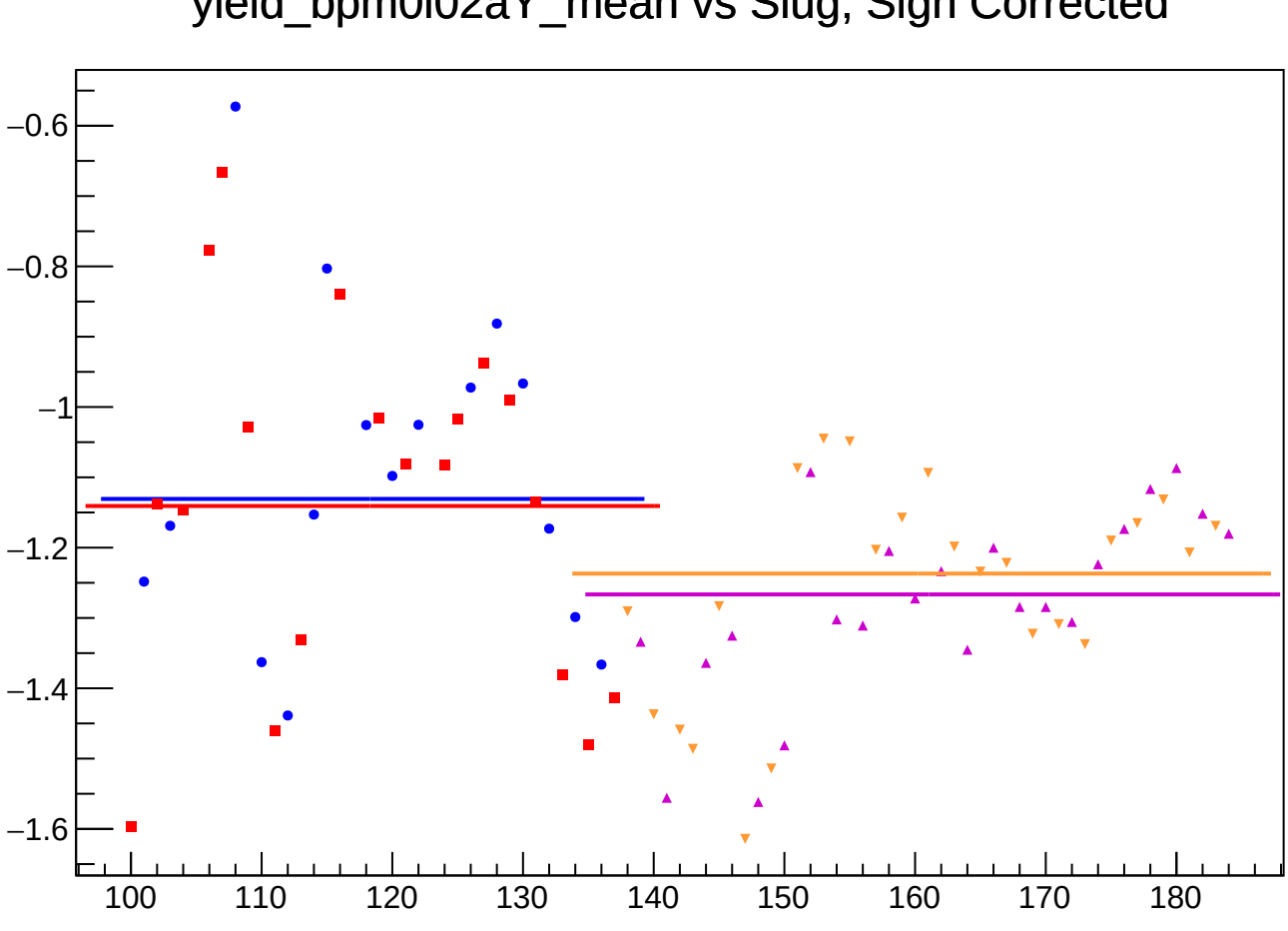
Left: 0.011+/-0.000 χ^2/NDF: 534298.6/46

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:524500.3/38

Out: 0.012+/-0.000 χ^2/NDF:417546.0/42

All: 0.012+/-0.000 χ^2/NDF: 943517.1/81



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: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

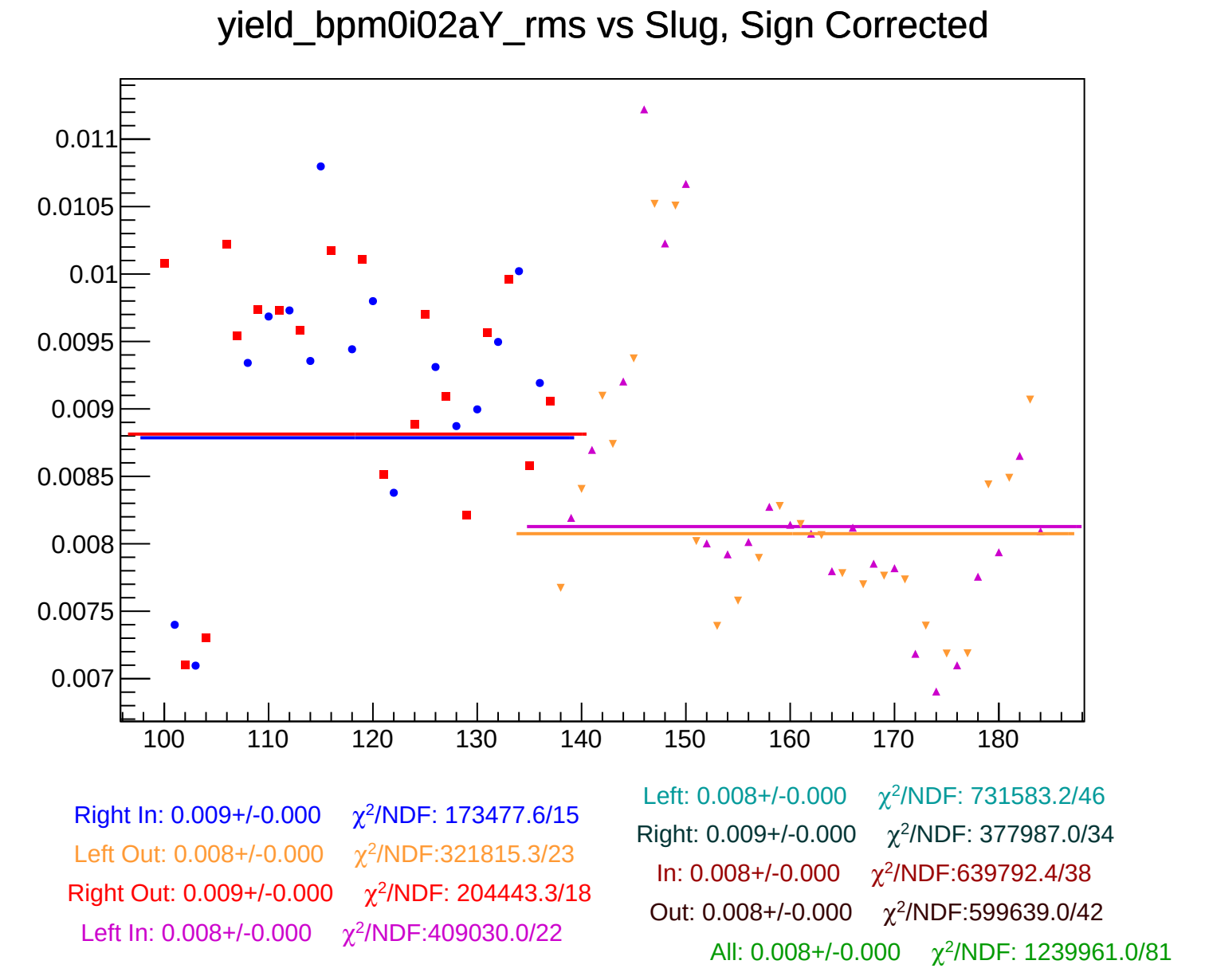
Left: -1.251+/-0.000 χ^2/NDF: 8763906895.5/46

Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

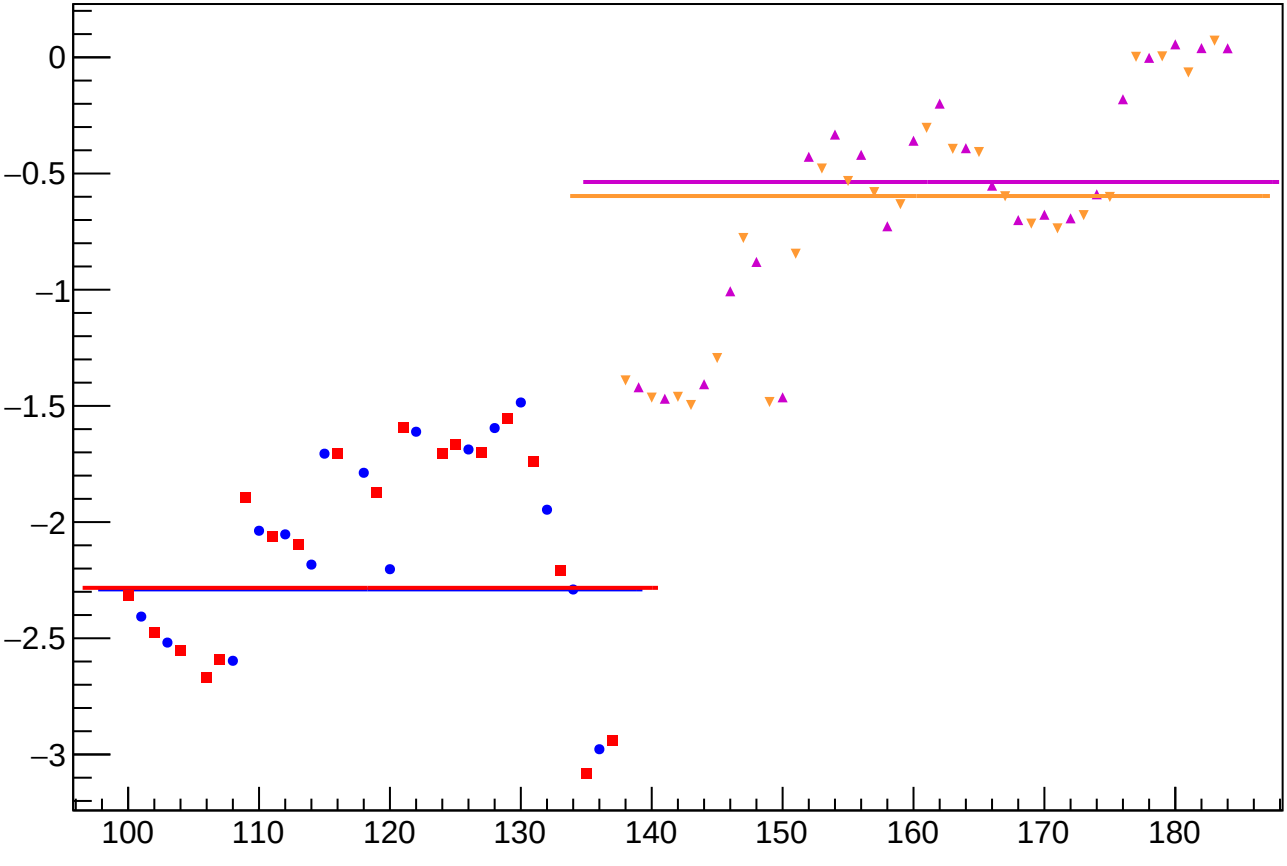
In: -1.232+/-0.000 χ^2/NDF:8683819645.9/38

Out: -1.213+/-0.000 χ^2/NDF:9138282086.7/42

All: -1.222+/-0.000 χ^2/NDF: 17884147635.8/


yield_bpm0i02aY_rms vs Slug, Sign Corrected
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
100
110
120
130
140
150
160
170
180
Right In: 0.009+/-0.000 χ²/NDF: 173477.6/15
Left Out: 0.008+/-0.000 χ²/NDF:321815.3/23
Right Out: 0.009+/-0.000 χ²/NDF: 204443.3/18
Left In: 0.008+/-0.000 χ²/NDF:409030.0/22
Left: 0.008+/-0.000 χ²/NDF: 731583.2/46
Right: 0.009+/-0.000 χ²/NDF: 377987.0/34
In: 0.008+/-0.000 χ²/NDF:639792.4/38
Out: 0.008+/-0.000 χ²/NDF:599639.0/42
All: 0.008+/-0.000 χ²/NDF: 1239961.0/81

yield_bpm0i05X_mean vs Slug, Sign Corrected



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: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.567+/-0.000 χ^2/NDF: 142186629260.4/46

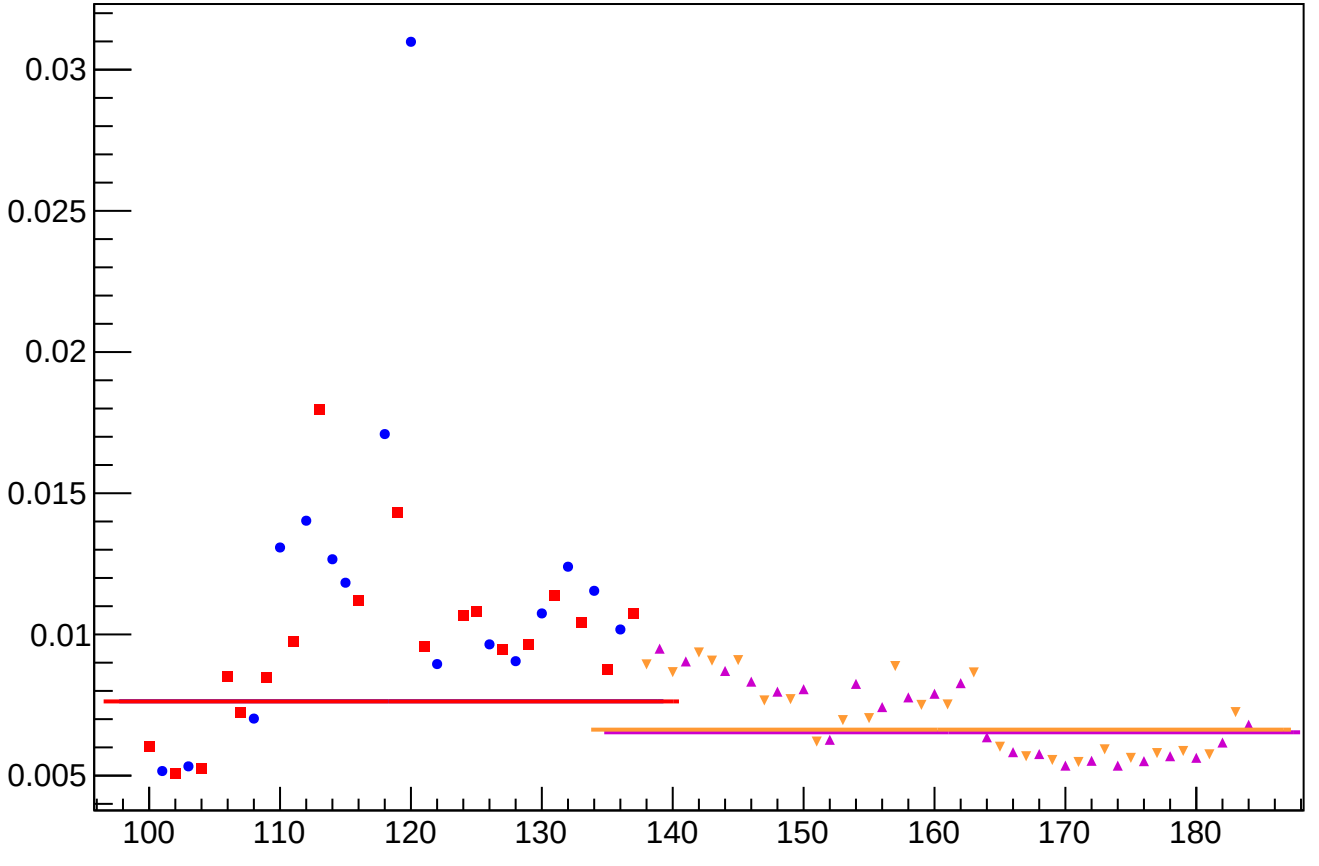
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -0.870+/-0.000 χ^2/NDF:302548609379.2/38

Out: -0.938+/-0.000 χ^2/NDF:304468100448.2/42

All: -0.904+/-0.000 χ^2/NDF: 608079978483.6

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:1151126.7/22

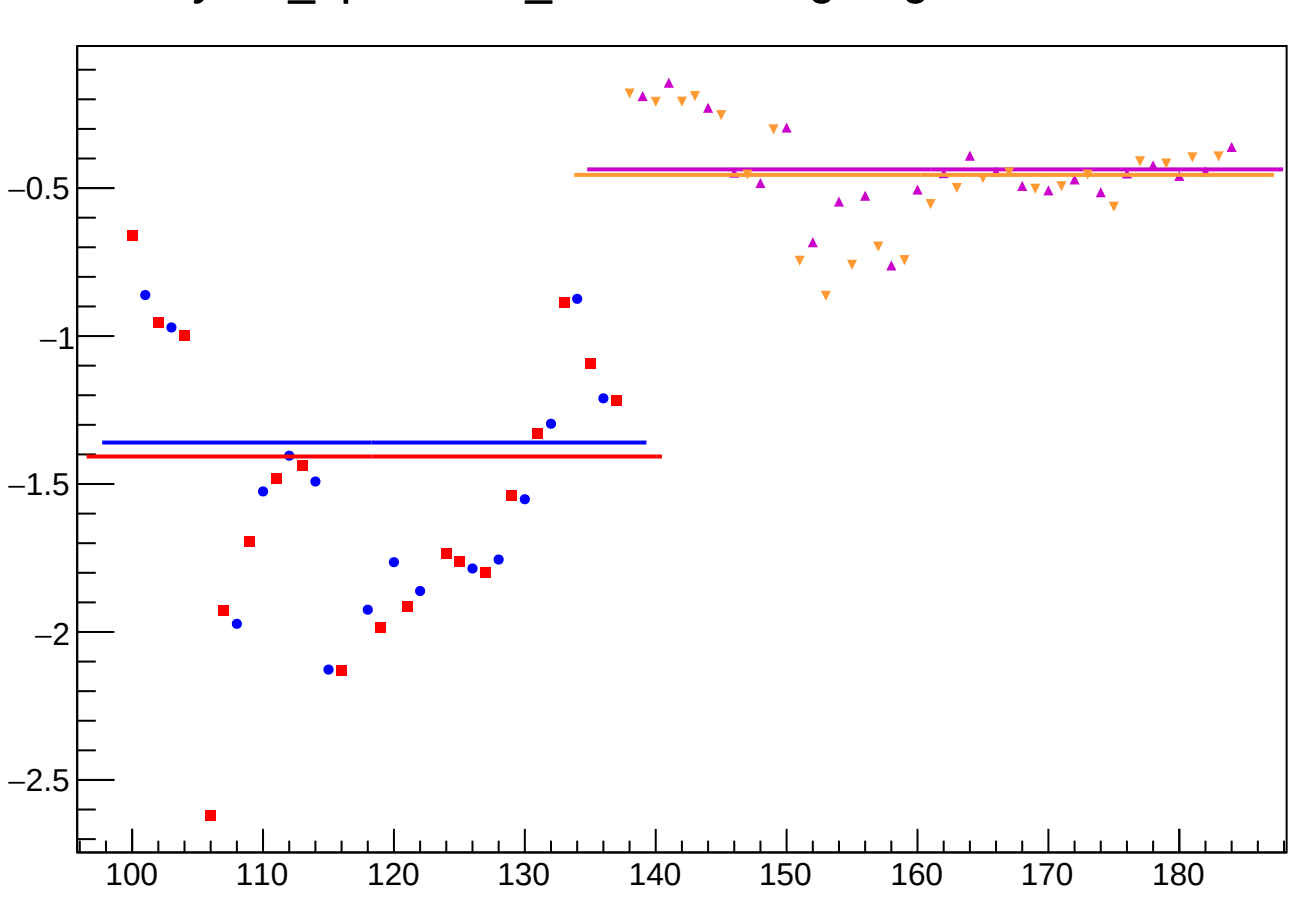
Left: 0.007+/-0.000 χ^2/NDF: 2223026.5/46

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

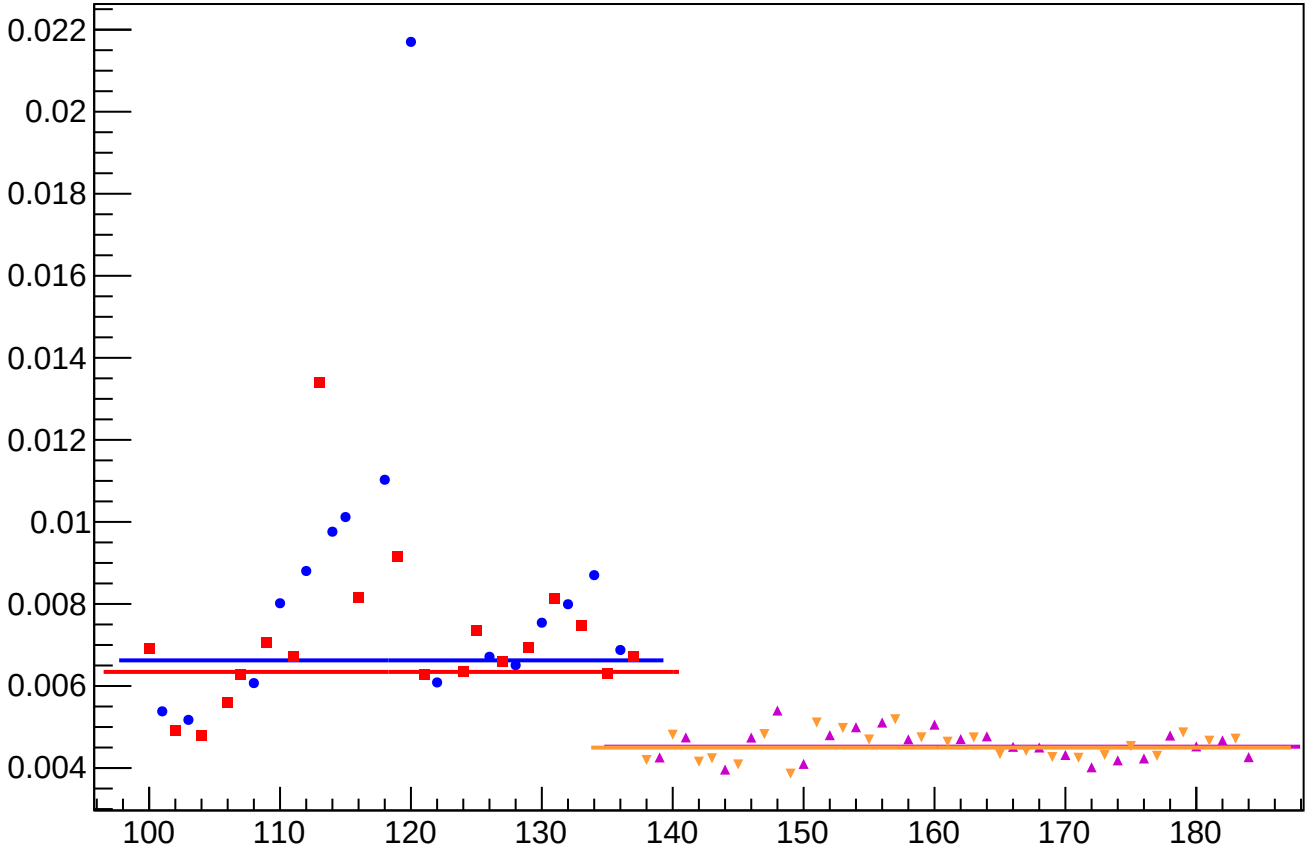
In: 0.007+/-0.000 χ^2/NDF:3032347.3/38

Out: 0.007+/-0.000 χ^2/NDF:2538095.3/42

All: 0.007+/-0.000 χ^2/NDF: 5573949.5/81


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.455+/-0.000 χ²/NDF:28894633792.5/23
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
Left: -0.446+/-0.000 χ²/NDF: 45582997217.4/46
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.565+/-0.000 χ²/NDF:134753977994.8/38
Out: -0.599+/-0.000 χ²/NDF:175723261966.4/42
All: -0.582+/-0.000 χ²/NDF: 311014098507.6

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:188049.7/23

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 400529.3/46

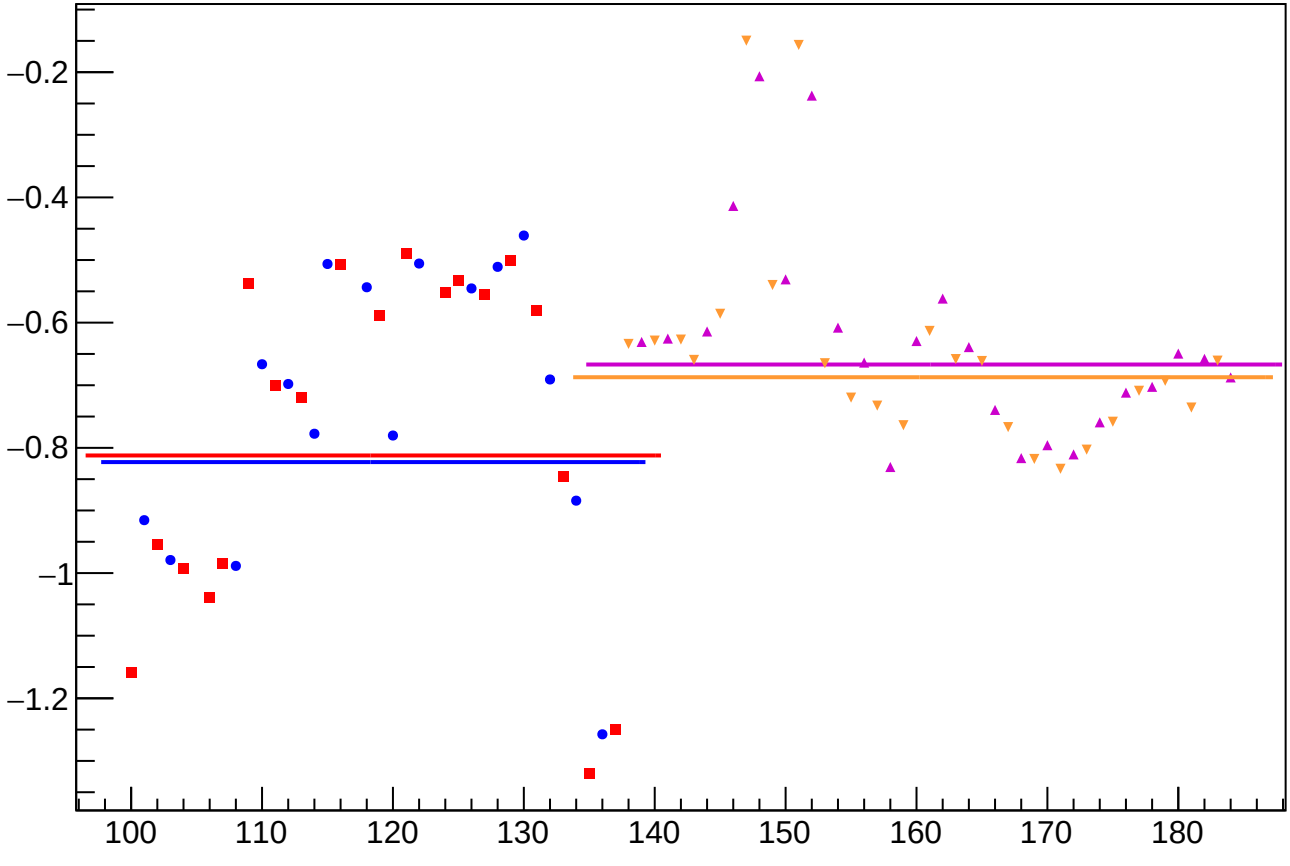
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1911354.3/38

Out: 0.005+/-0.000 χ^2/NDF:1597237.1/42

All: 0.005+/-0.000 χ^2/NDF: 3510005.7/81

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.687+/-0.000 χ^2/NDF:22461863972.2/23

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45190083878.3/46

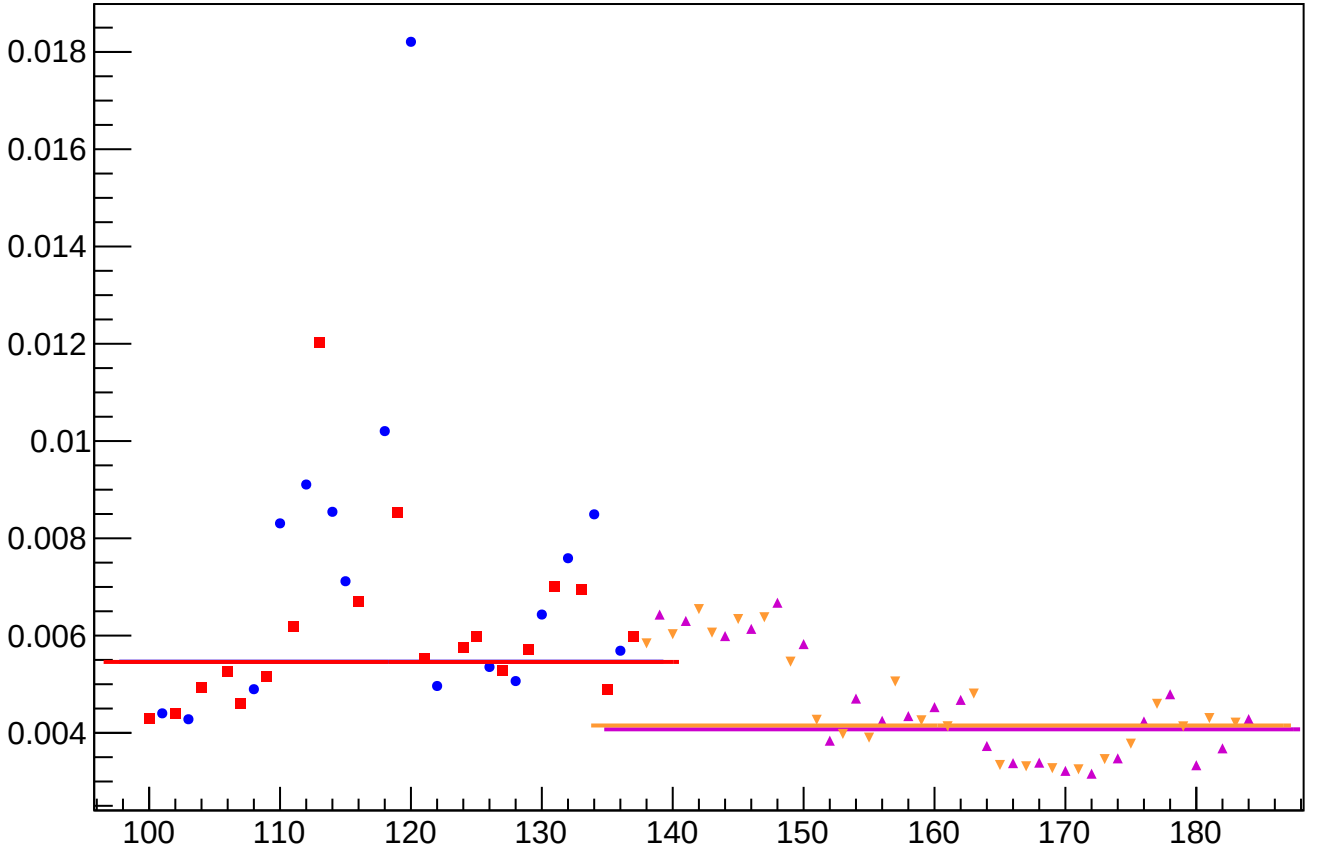
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.692+/-0.000 χ^2/NDF:38514446085.1/38

Out: -0.709+/-0.000 χ^2/NDF:39887488092.5/42

All: -0.701+/-0.000 χ^2/NDF: 78563373654.7/

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:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3261506.7/46

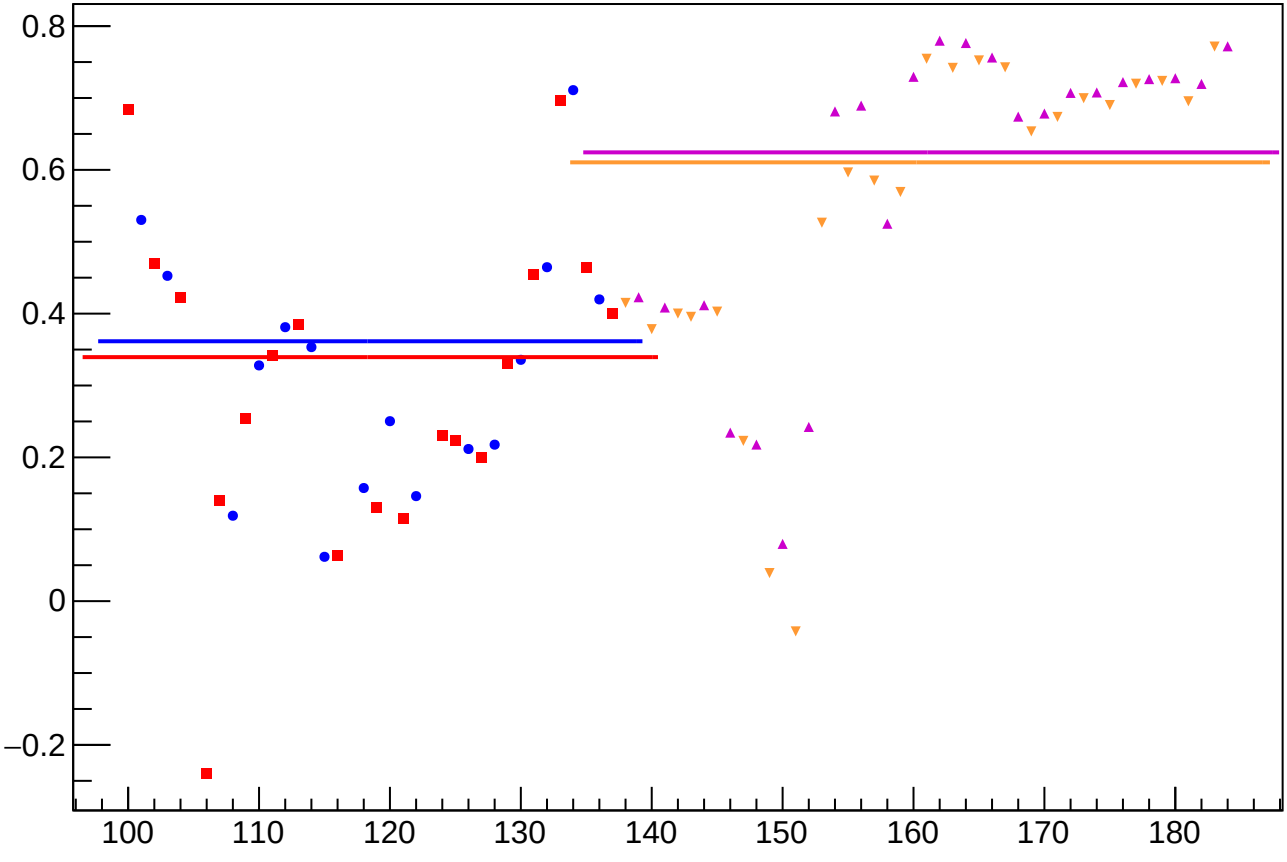
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.004+/-0.000 χ^2/NDF:3309857.4/38

Out: 0.004+/-0.000 χ^2/NDF:2581751.9/42

All: 0.004+/-0.000 χ^2/NDF: 5899087.5/81

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: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.617+/-0.000 χ^2/NDF: 85914775836.6/46

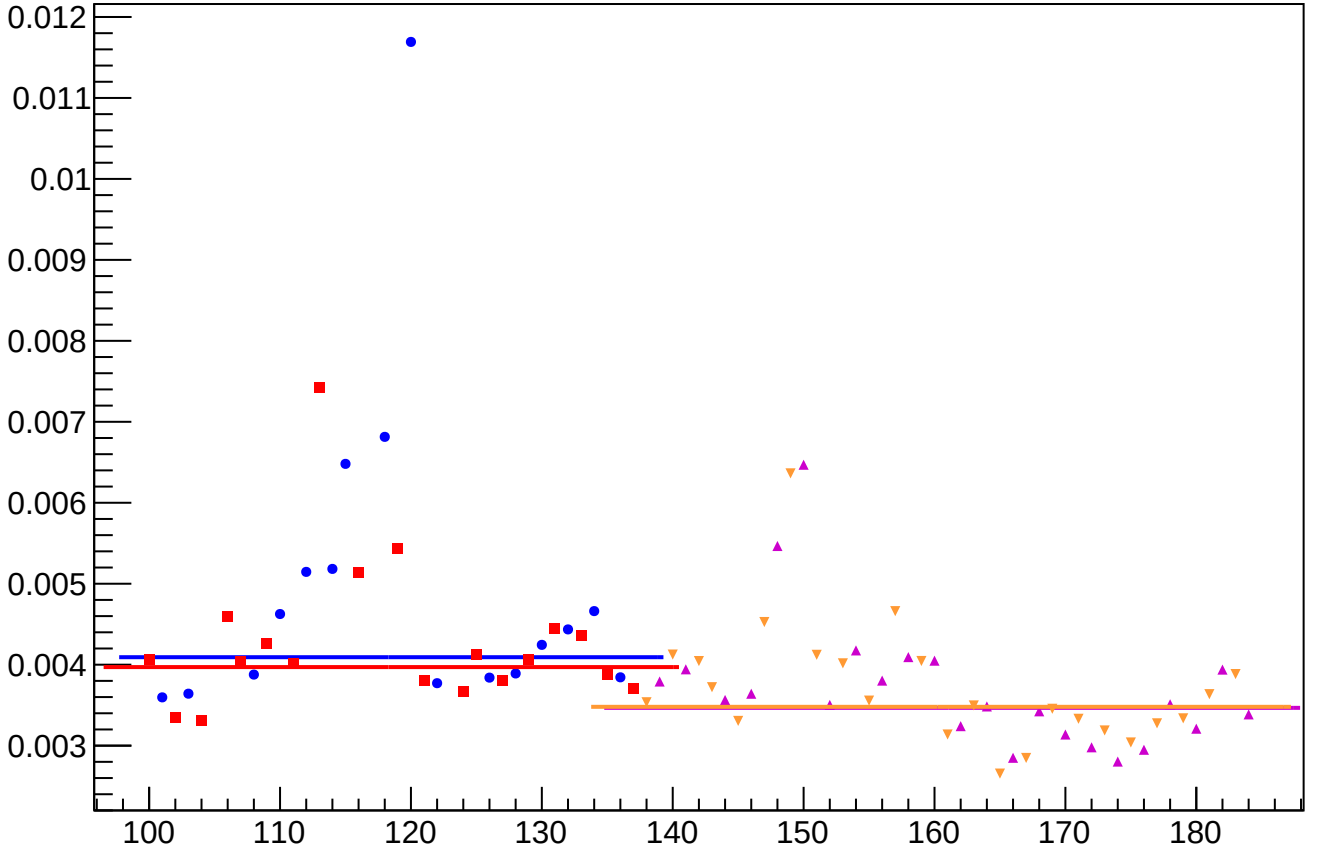
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.565+/-0.000 χ^2/NDF:68731827348.9/38

Out: 0.546+/-0.000 χ^2/NDF:80293515734.2/42

All: 0.556+/-0.000 χ^2/NDF: 149335401835.4

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:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1720674.9/46

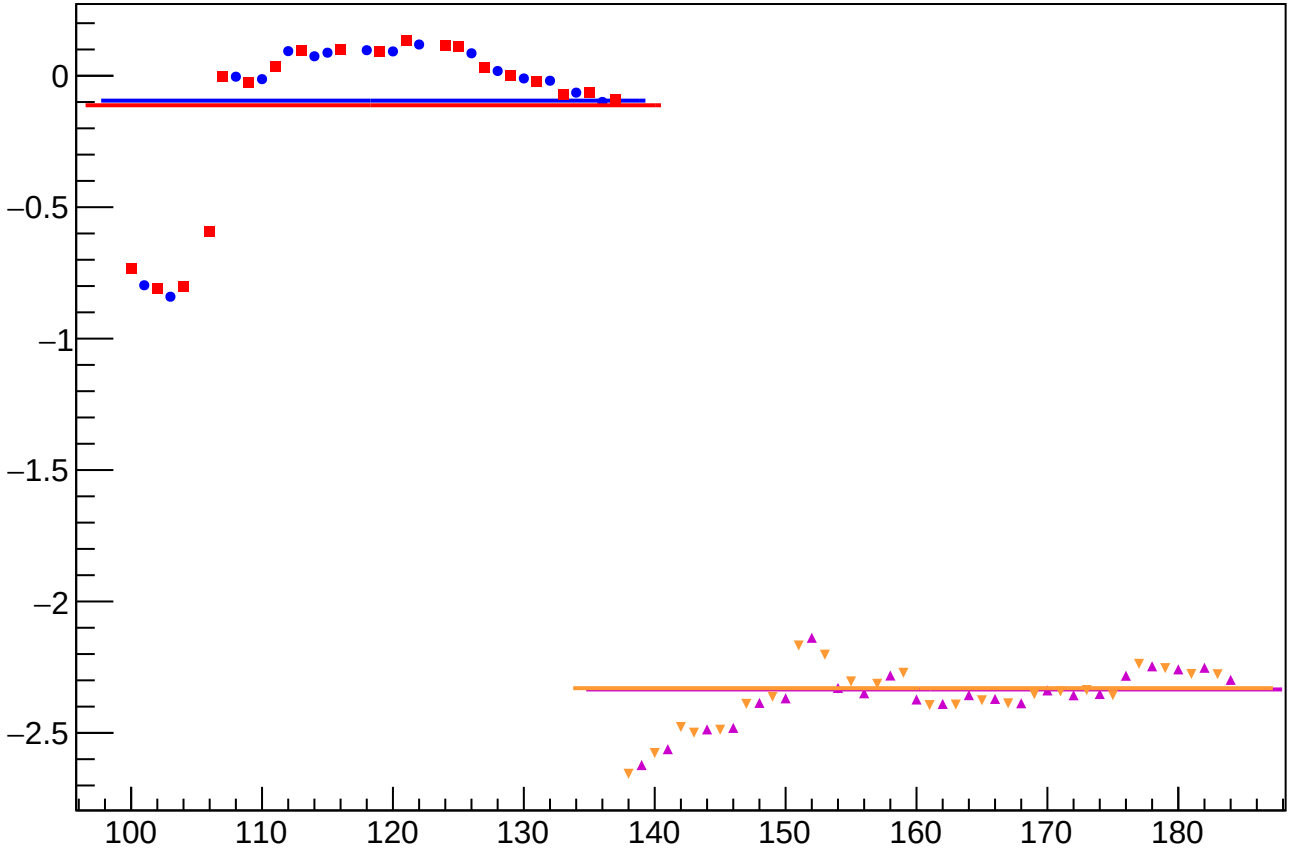
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1608061.3/38

Out: 0.004+/-0.000 χ^2/NDF:1289461.5/42

All: 0.004+/-0.000 χ^2/NDF: 2897727.0/81

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:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3658217397.4/46

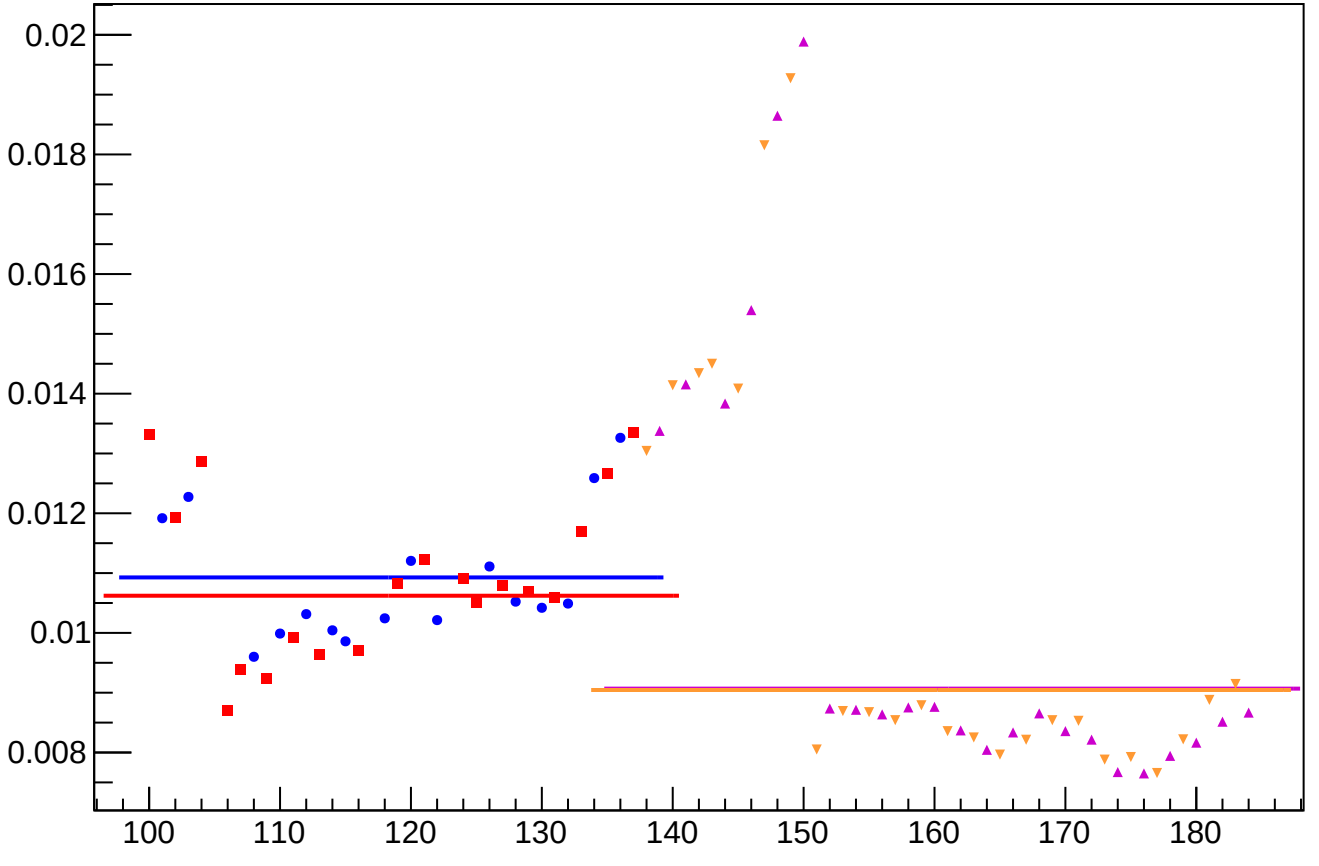
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.837+/-0.000 χ^2/NDF:239923589162.2/38

Out: -1.820+/-0.000 χ^2/NDF:255691782685.4/42

All: -1.828+/-0.000 χ^2/NDF: 495651767421.7

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:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4182957.5/46

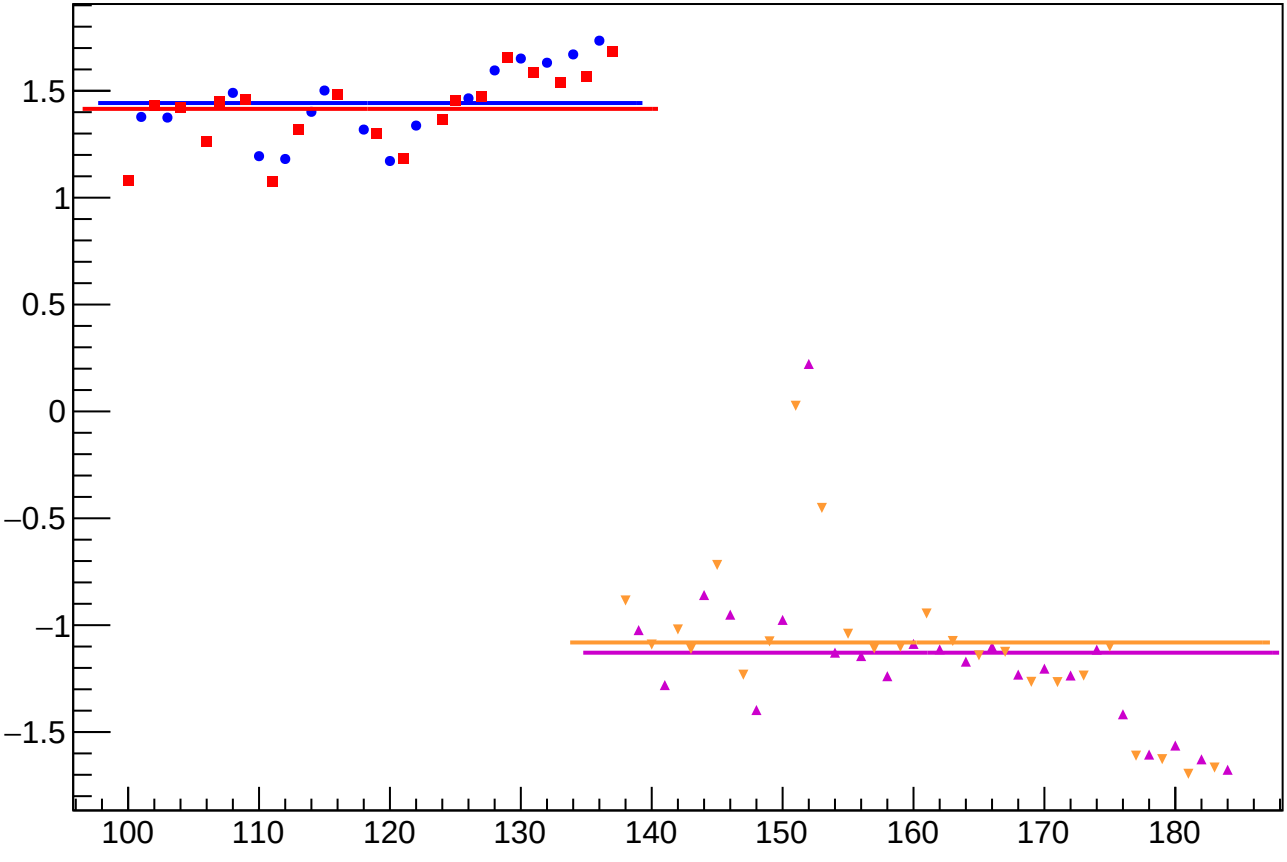
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.009+/-0.000 χ^2/NDF:2591452.2/38

Out: 0.009+/-0.000 χ^2/NDF:2489250.3/42

All: 0.009+/-0.000 χ^2/NDF: 5082220.3/81

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: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.104+/-0.000 χ^2/NDF: 118793639604.6/46

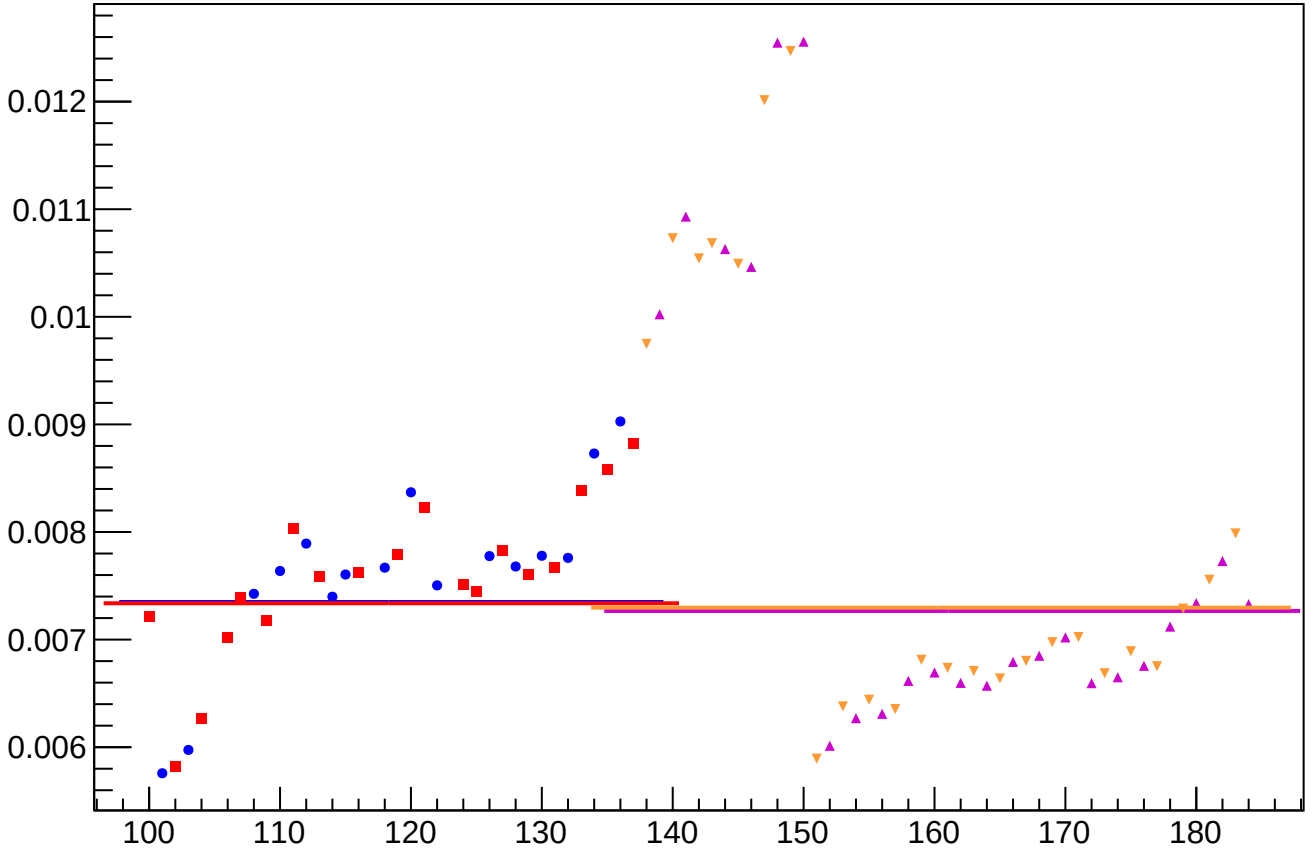
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: -0.400+/-0.000 χ^2/NDF:682584614445.4/38

Out: -0.367+/-0.000 χ^2/NDF:671775331552.6/42

All: -0.384+/-0.000 χ^2/NDF: 1354610860940

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:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3062093.3/46

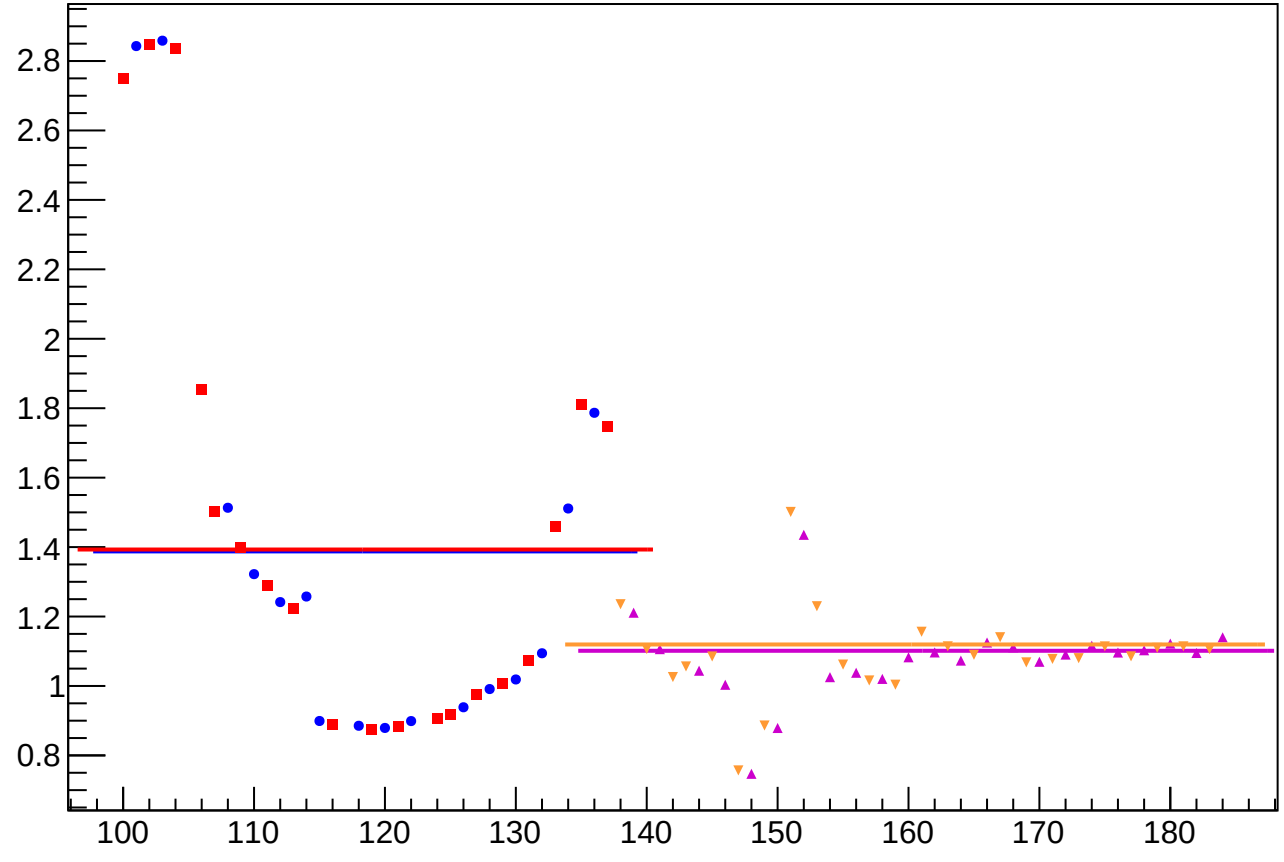
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1832247.5/38

Out: 0.007+/-0.000 χ^2/NDF:1697379.4/42

All: 0.007+/-0.000 χ^2/NDF: 3529792.2/81

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:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9773157256.4/46

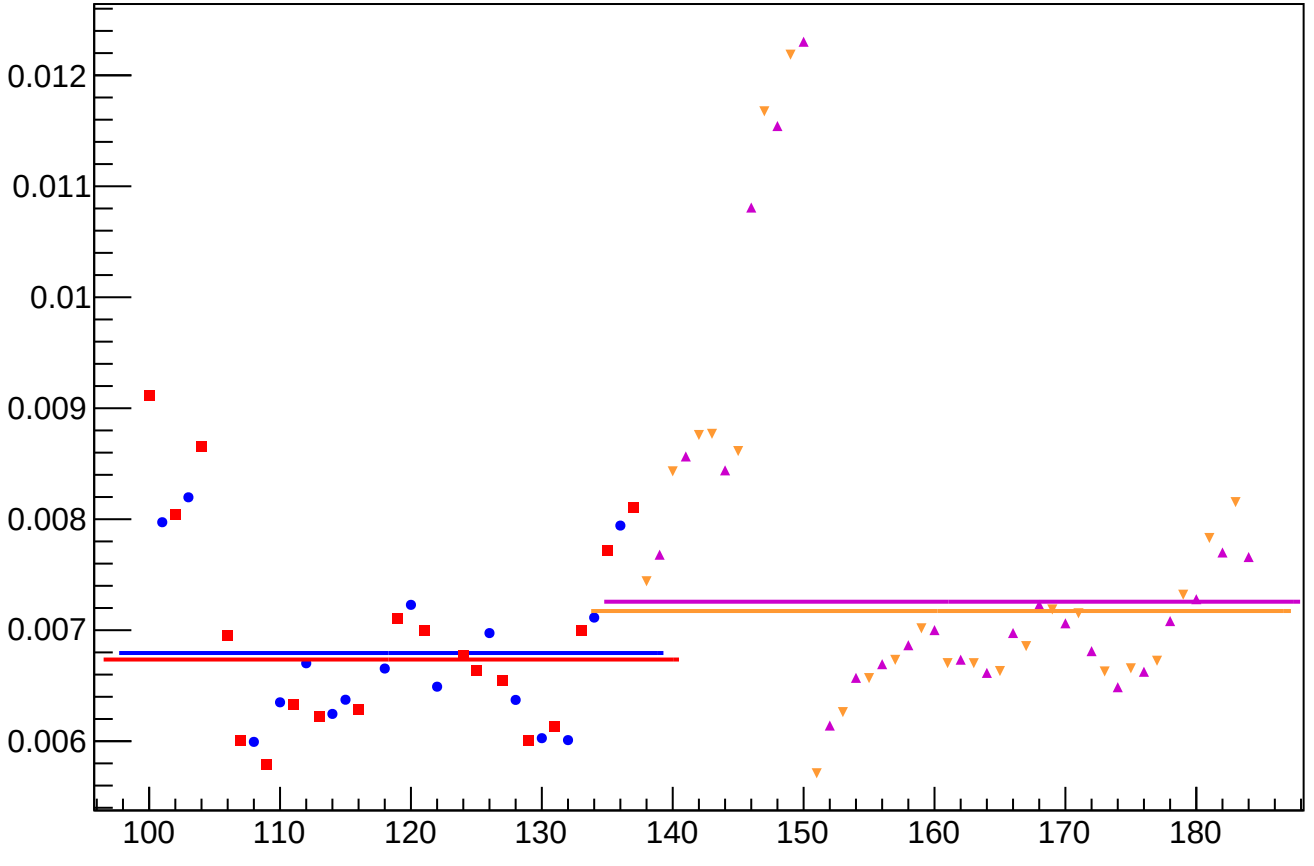
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.192+/-0.000 χ^2/NDF:71432675711.1/38

Out: 1.206+/-0.000 χ^2/NDF:69195966310.3/42

All: 1.199+/-0.000 χ^2/NDF: 140674986988.4

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:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1806955.7/46

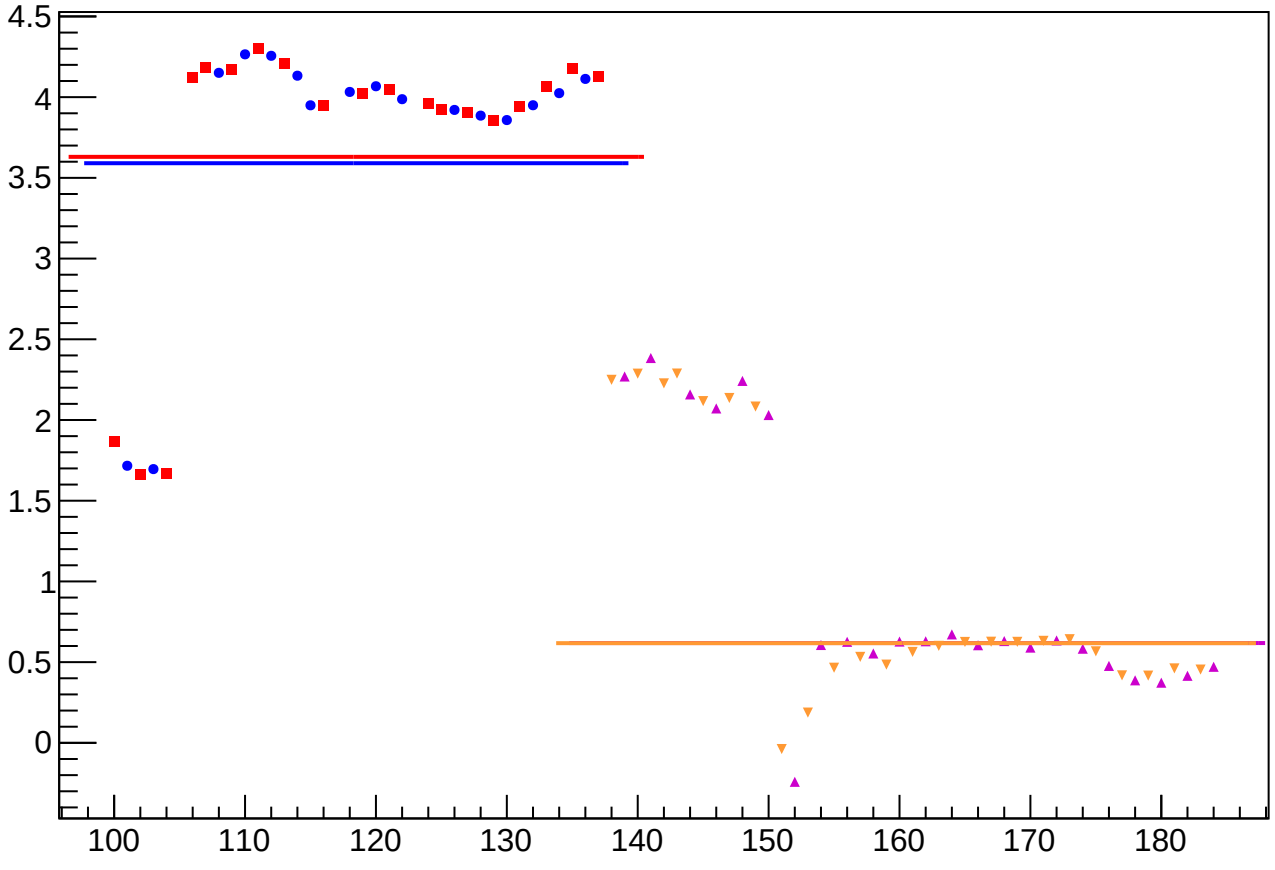
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1126108.4/38

Out: 0.007+/-0.000 χ^2/NDF:1128816.2/42

All: 0.007+/-0.000 χ^2/NDF: 2257745.9/81

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: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.618+/-0.000 χ^2/NDF: 506009258666.8/46

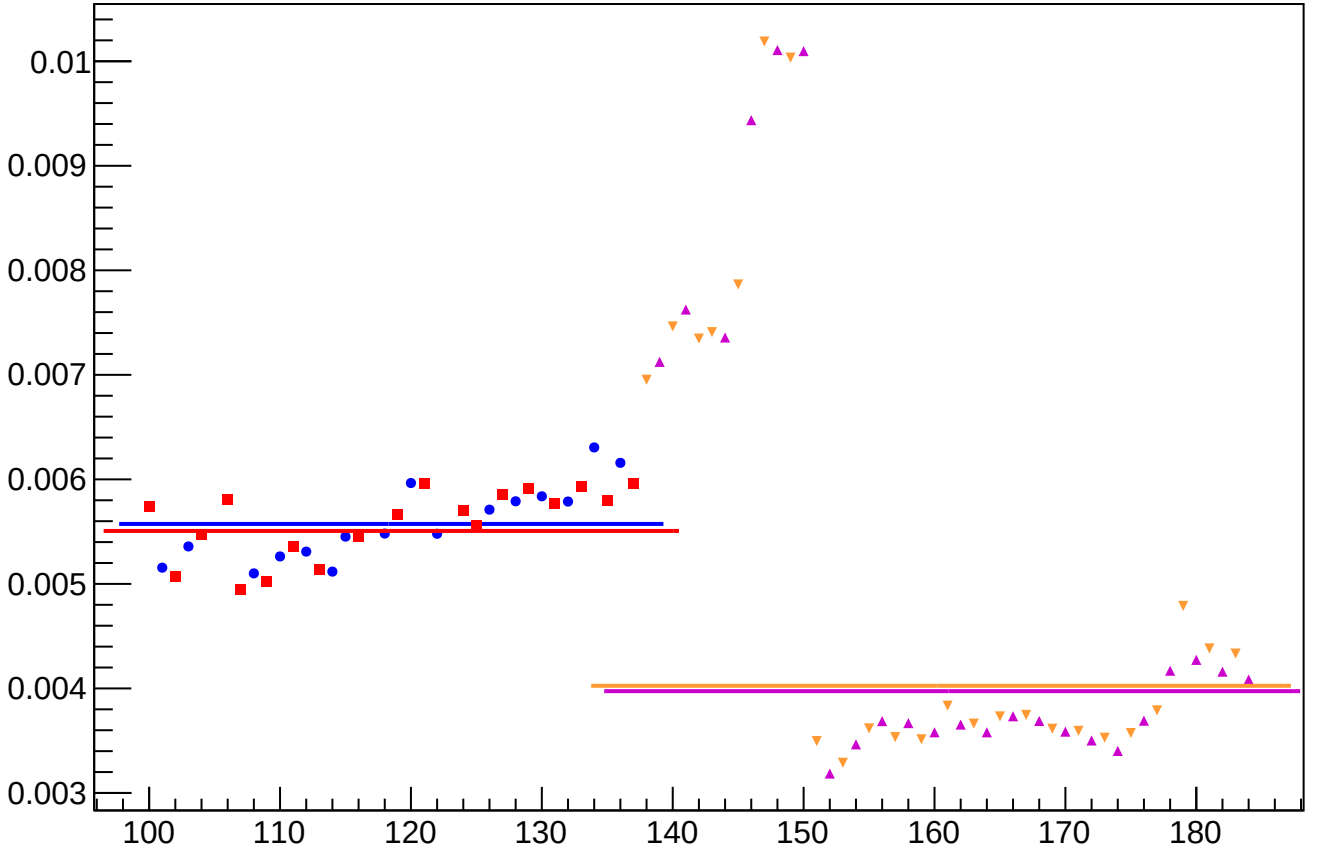
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.163+/-0.000 χ^2/NDF:2120999605826.8/38

Out: 1.183+/-0.000 χ^2/NDF:2239768560554.6/42

All: 1.173+/-0.000 χ^2/NDF: 4361004141050.

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:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6087196.4/46

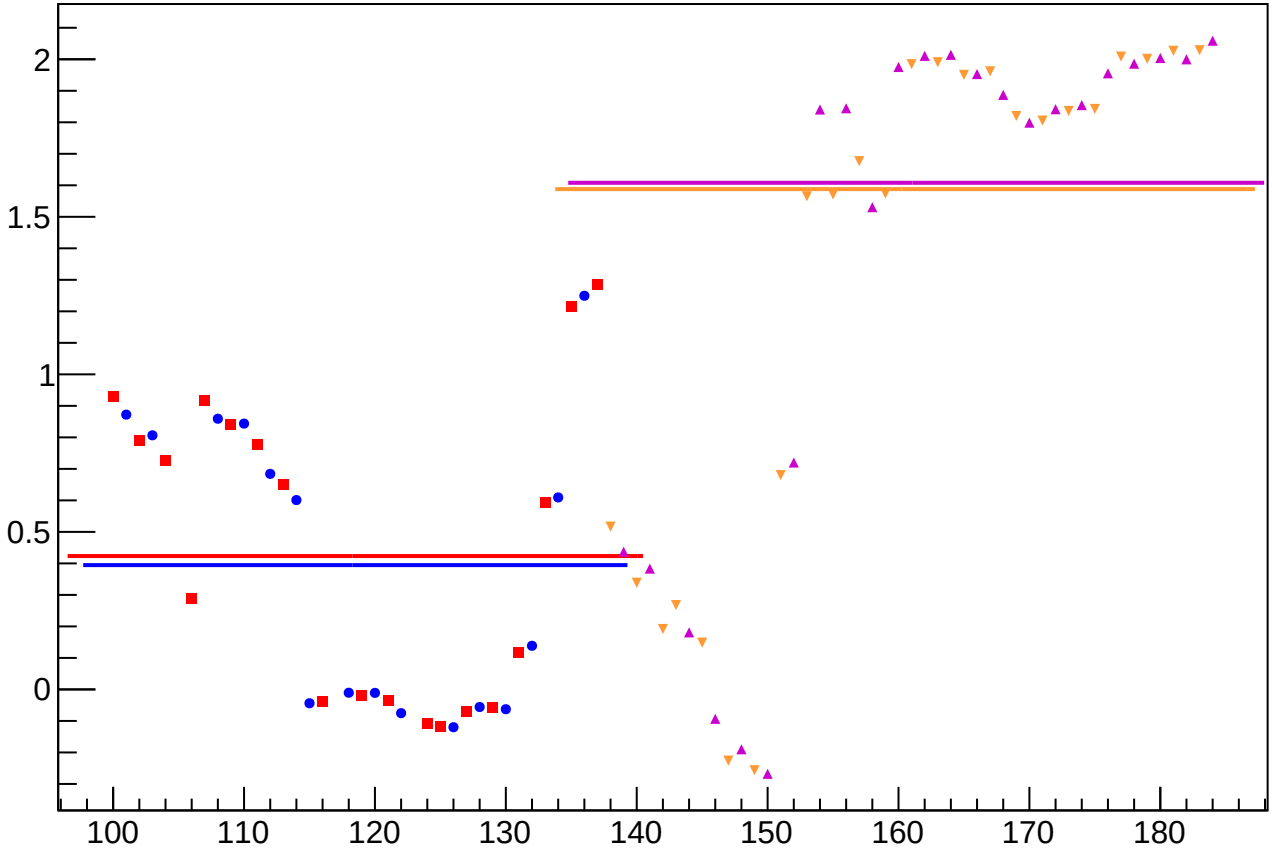
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.004+/-0.000 χ^2/NDF:4145205.7/38

Out: 0.004+/-0.000 χ^2/NDF:3878601.1/42

All: 0.004+/-0.000 χ^2/NDF: 8025442.0/81

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: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.598+/-0.000 χ^2/NDF: 128573901647.0/46

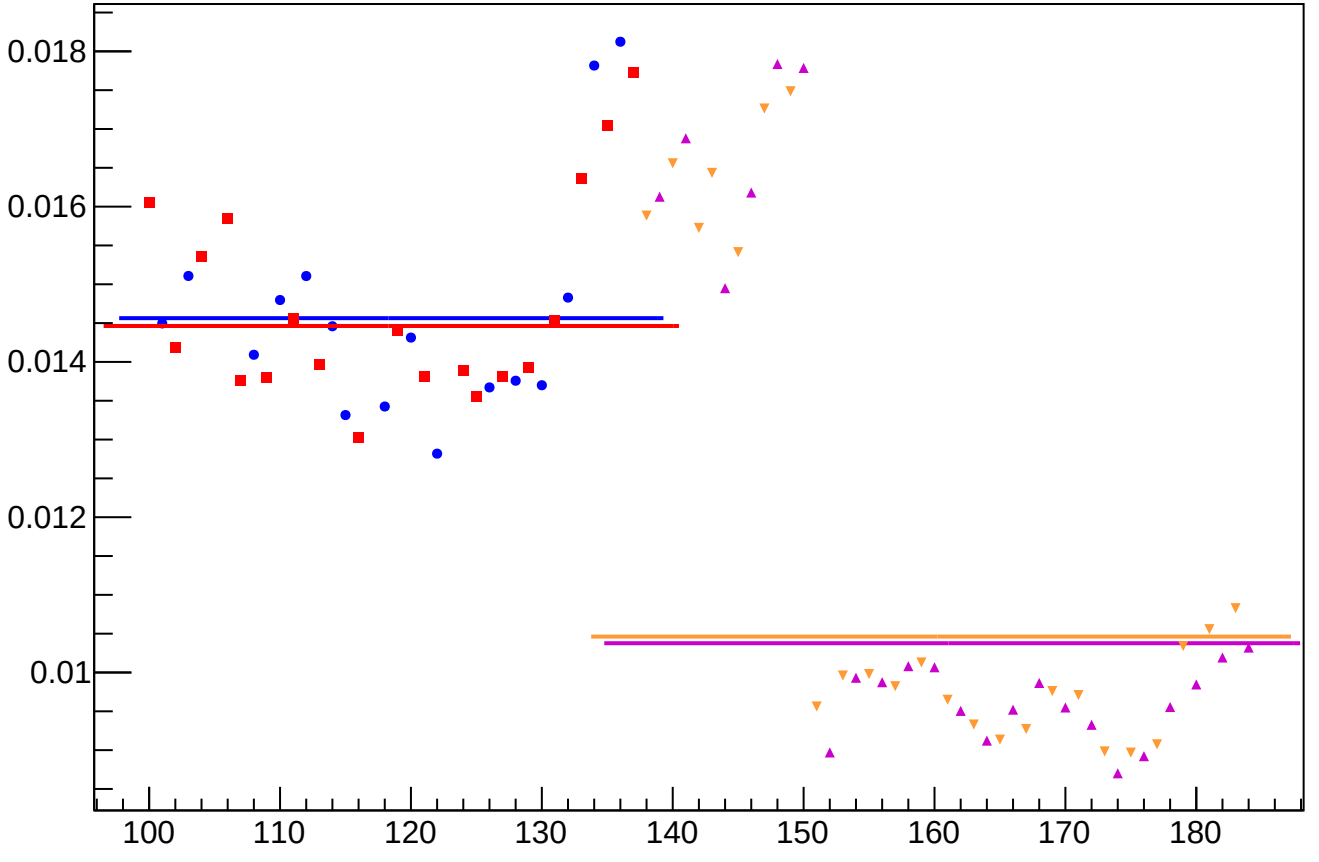
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.399+/-0.000 χ^2/NDF:114587169949.6/38

Out: 1.385+/-0.000 χ^2/NDF:108028849061.1/42

All: 1.392+/-0.000 χ^2/NDF: 222635916816.3

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:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3372176.9/46

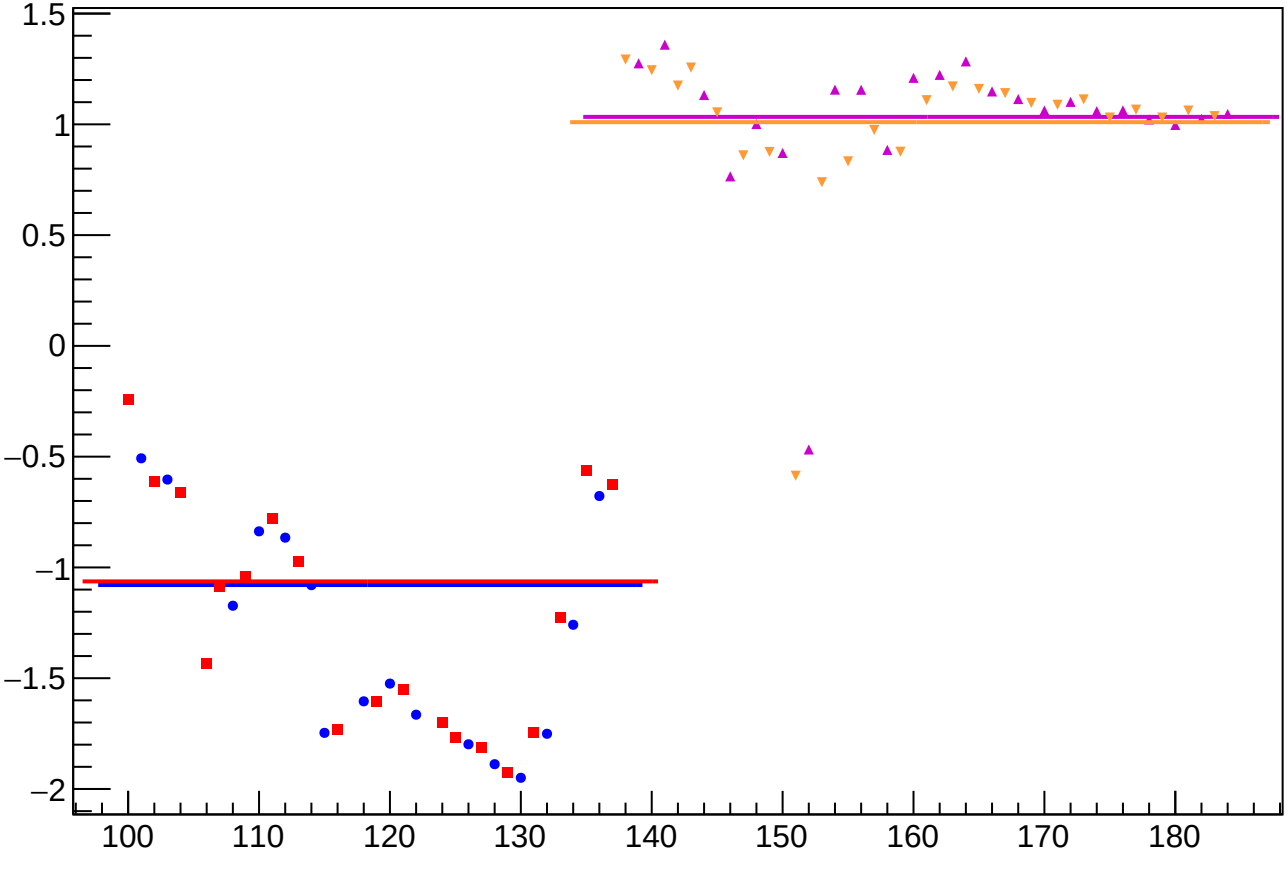
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.011+/-0.000 χ^2/NDF:2814276.2/38

Out: 0.011+/-0.000 χ^2/NDF:2658047.4/42

All: 0.011+/-0.000 χ^2/NDF: 5473075.5/81

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: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236860231097.4/46

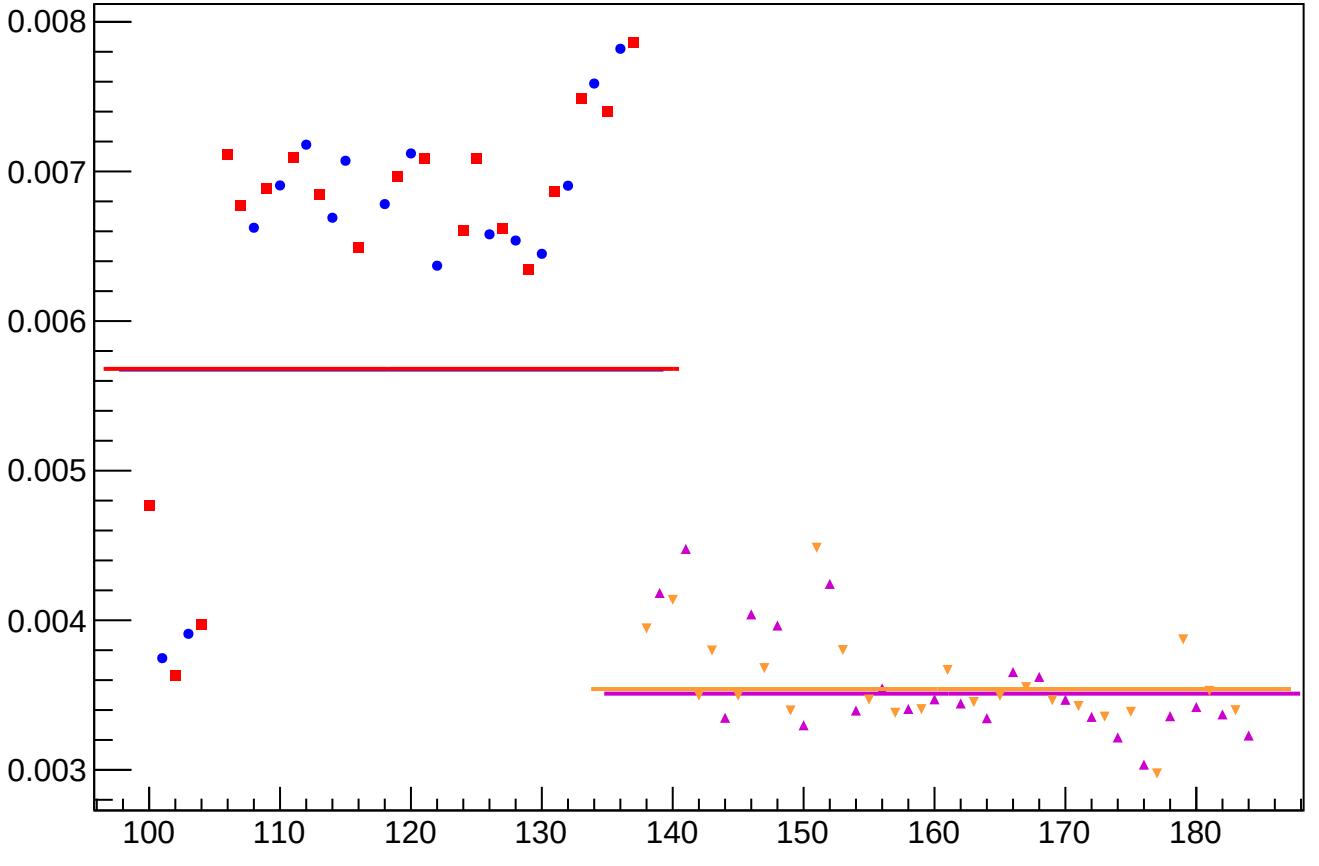
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.763+/-0.000 χ^2/NDF:954545553708.6/38

Out: 0.748+/-0.000 χ^2/NDF:911234417719.5/42

All: 0.755+/-0.000 χ^2/NDF: 1865954153071.

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:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 500807.5/46

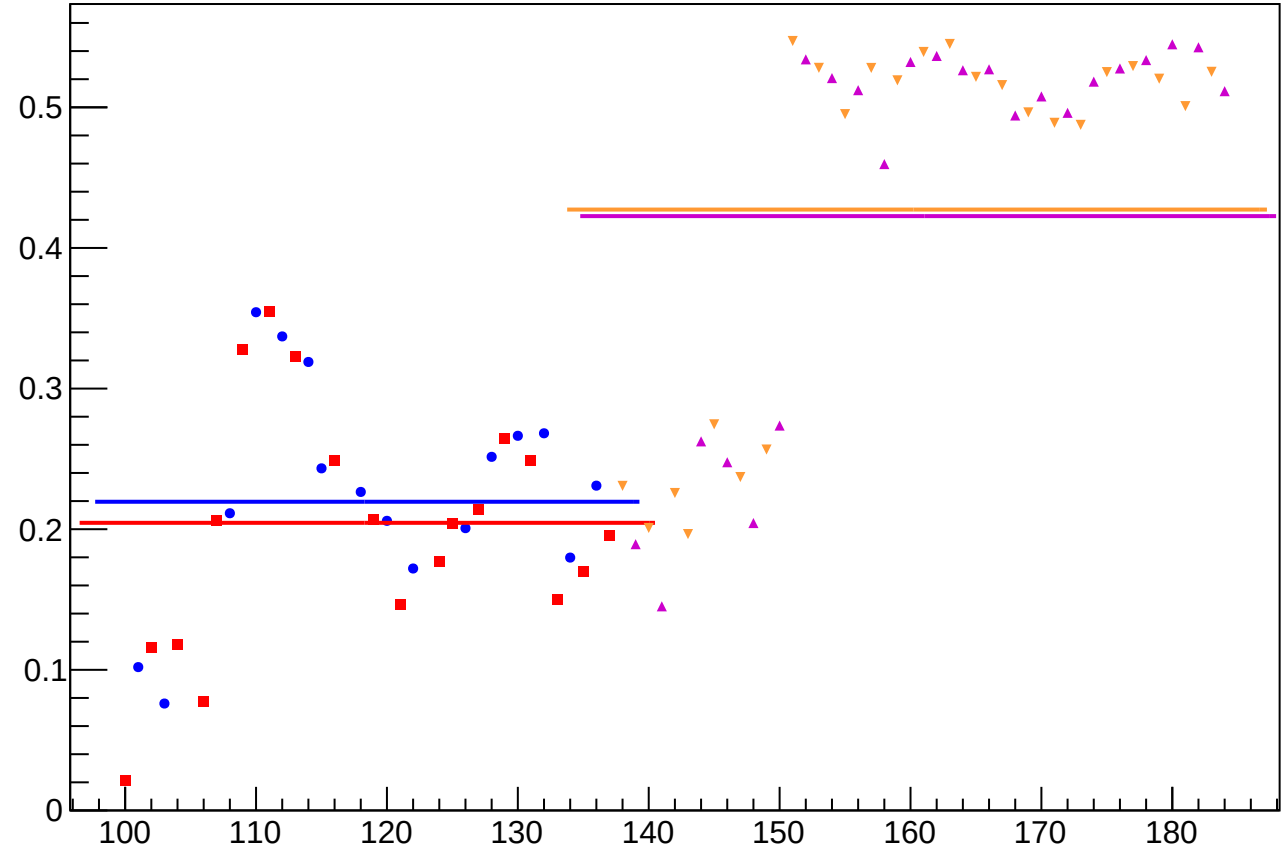
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2847440.8/38

Out: 0.004+/-0.000 χ^2/NDF:2794500.7/42

All: 0.004+/-0.000 χ^2/NDF: 5642817.3/81

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: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 311667726799.3/46

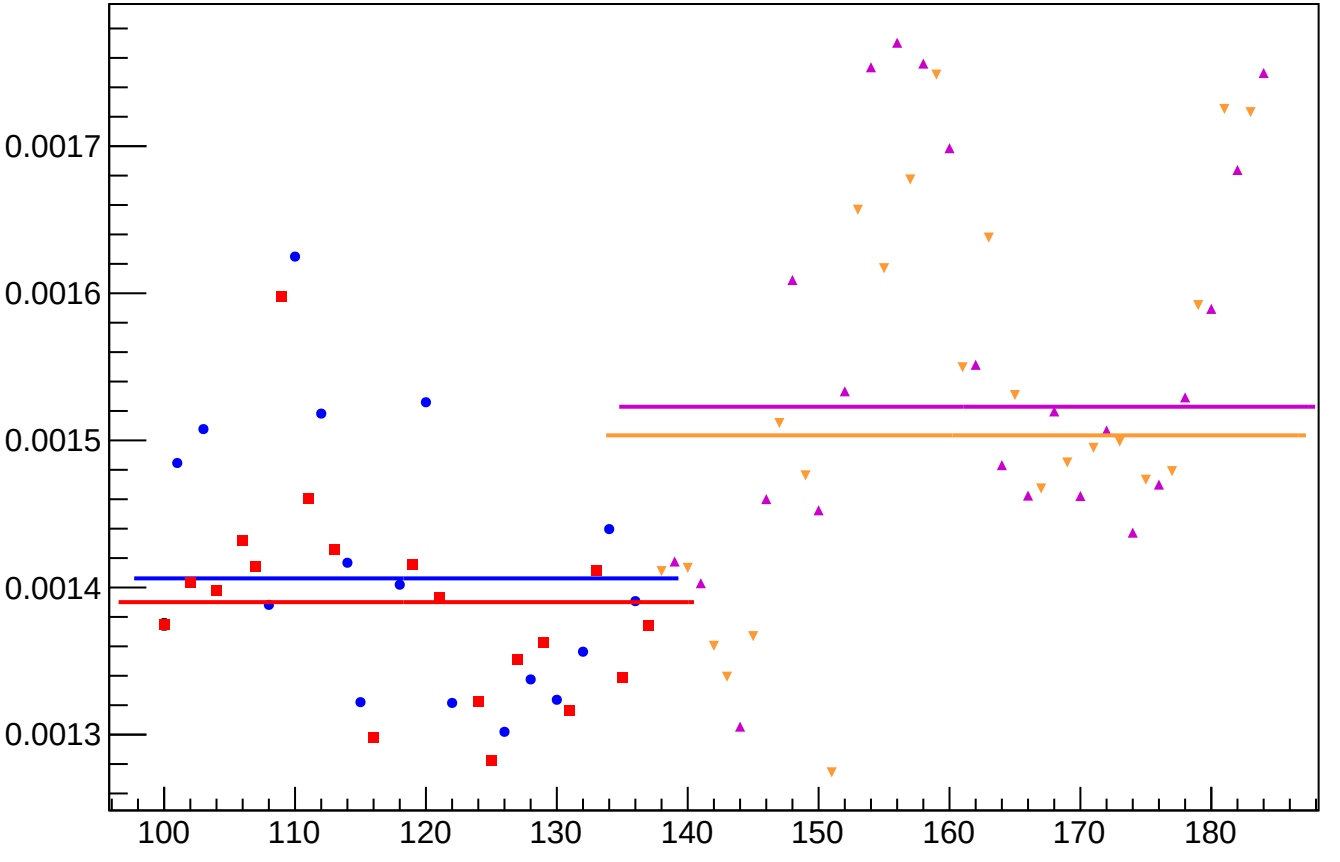
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.359+/-0.000 χ^2/NDF:274490954600.3/38

Out: 0.357+/-0.000 χ^2/NDF:305064357877.2/42

All: 0.358+/-0.000 χ^2/NDF: 579574633346.2

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:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 502869.8/46

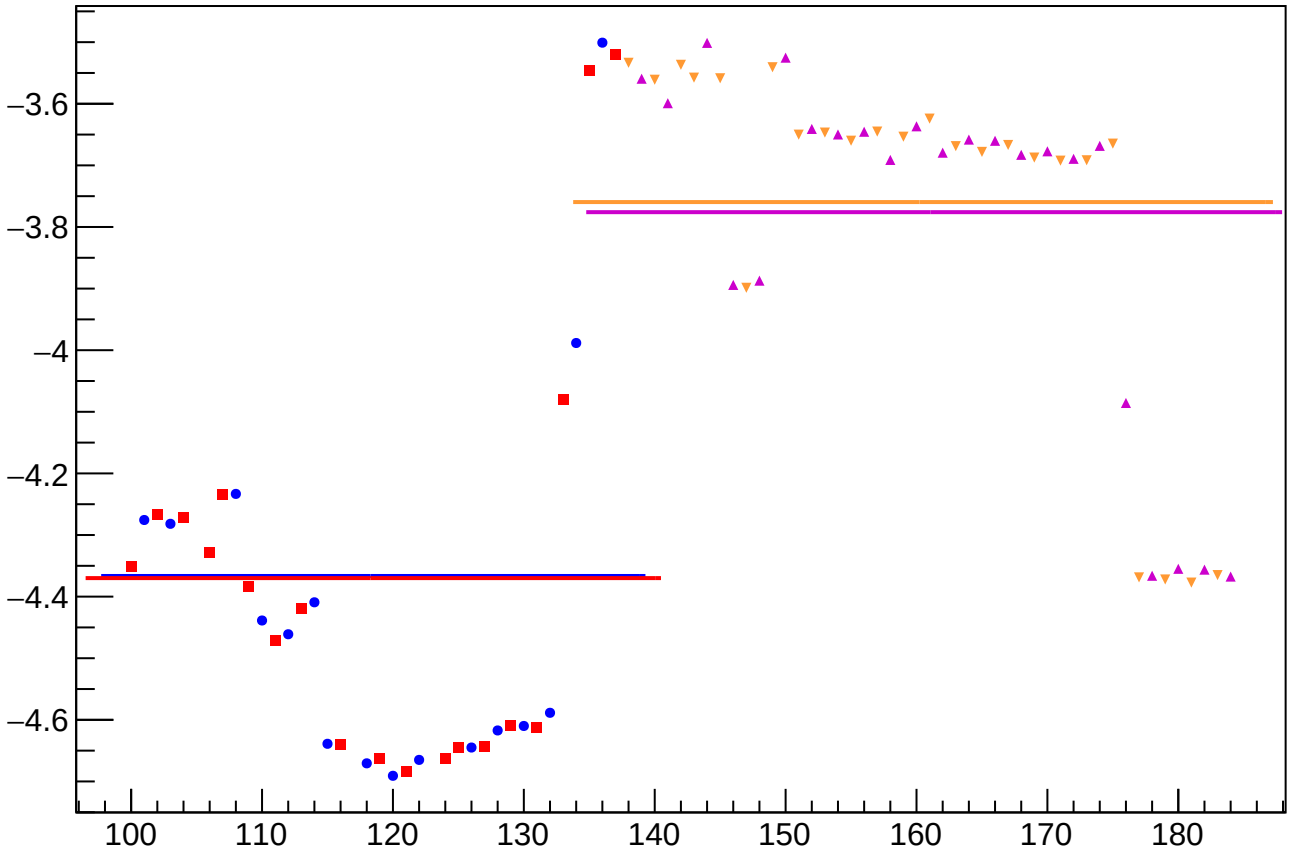
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:348641.2/38

Out: 0.001+/-0.000 χ^2/NDF:366924.0/42

All: 0.001+/-0.000 χ^2/NDF: 719603.3/81

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: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.768+/-0.000 χ^2/NDF: 869748057759.1/46

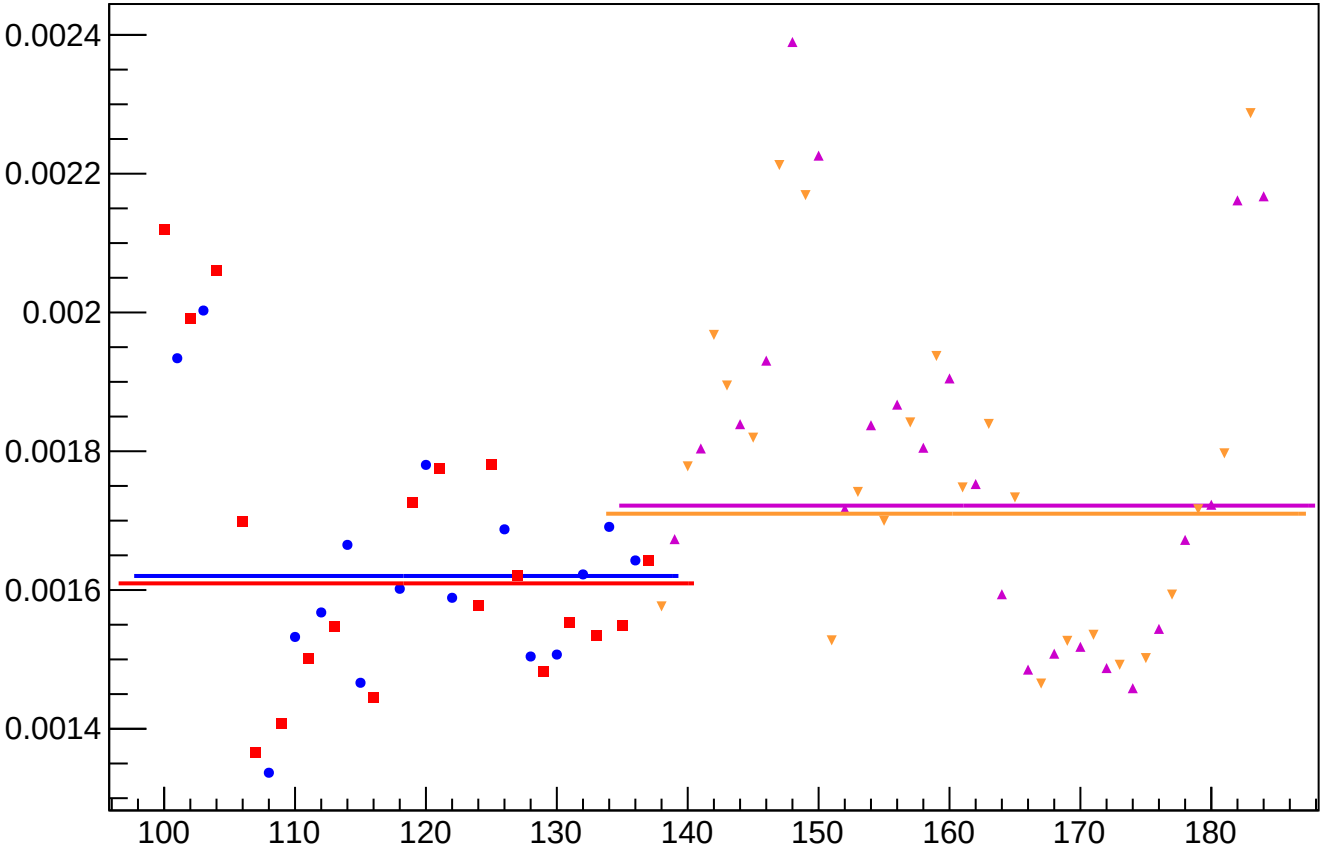
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.957+/-0.000 χ^2/NDF:1389078453686.5/38

Out: -3.946+/-0.000 χ^2/NDF:1473921680246.9/42

All: -3.951+/-0.000 χ^2/NDF: 2863550045267

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:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1108640.7/46

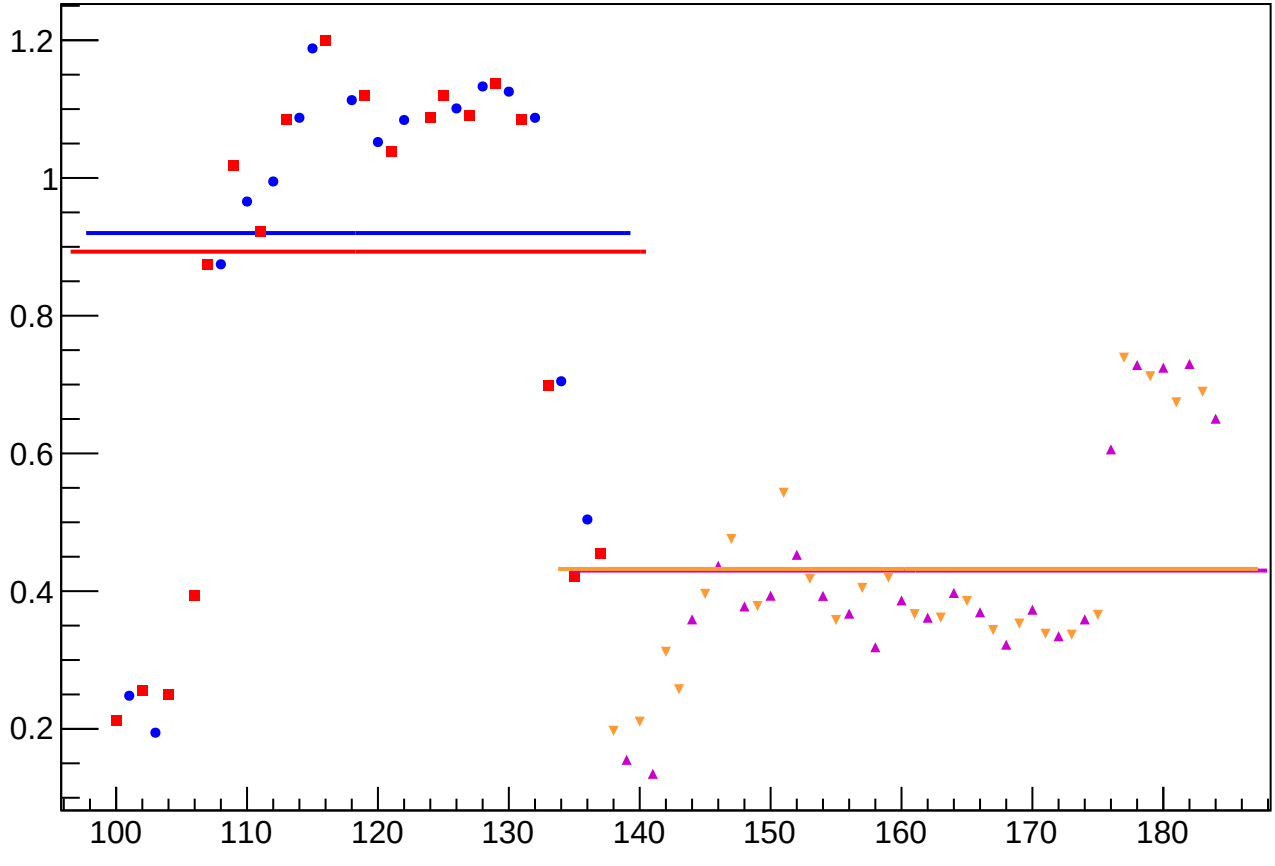
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:759429.8/38

Out: 0.002+/-0.000 χ^2/NDF:749401.8/42

All: 0.002+/-0.000 χ^2/NDF: 1509932.8/81

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: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.431+/-0.000 χ^2/NDF: 17362101100.9/46

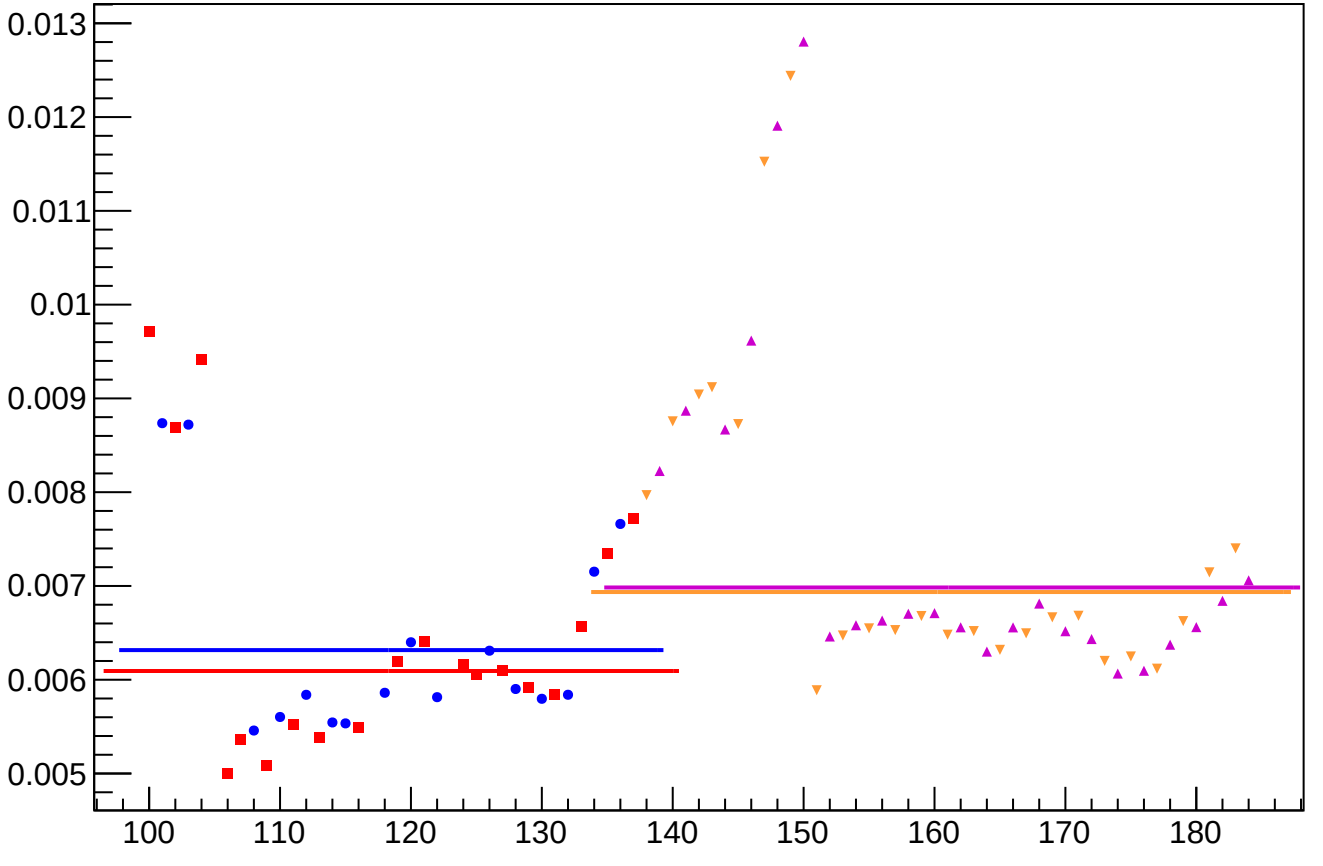
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.590+/-0.000 χ^2/NDF:52035963272.3/38

Out: 0.588+/-0.000 χ^2/NDF:53434122433.4/42

All: 0.589+/-0.000 χ^2/NDF: 105471397220.7

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1088214.5/23

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2225620.8/46

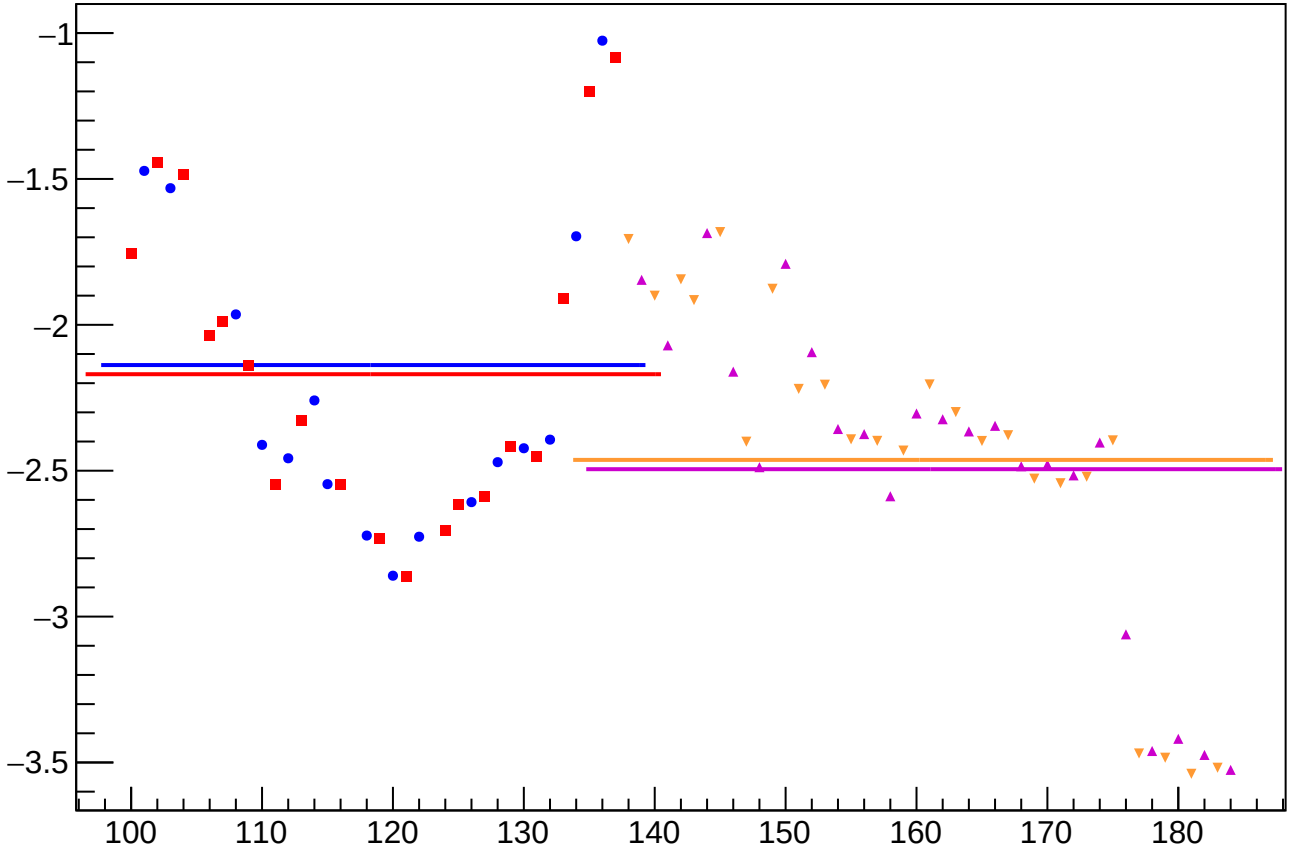
Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1577778.7/38

Out: 0.007+/-0.000 χ^2/NDF:1707681.8/42

All: 0.007+/-0.000 χ^2/NDF: 3292801.0/81

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.463+/-0.000 χ^2/NDF:117006817446.5/23

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

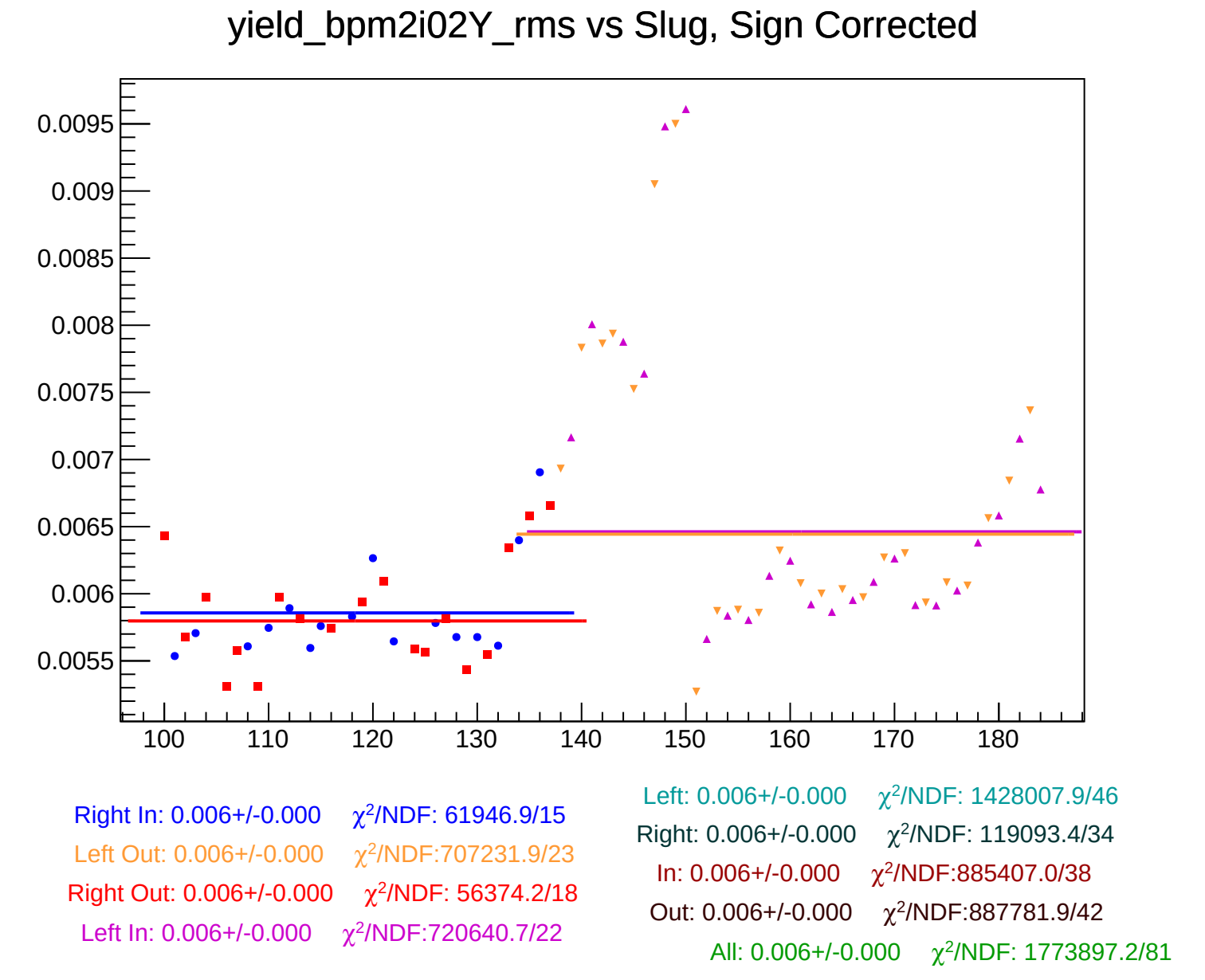
Left: -2.478+/-0.000 χ^2/NDF: 214004660801.3/46

Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

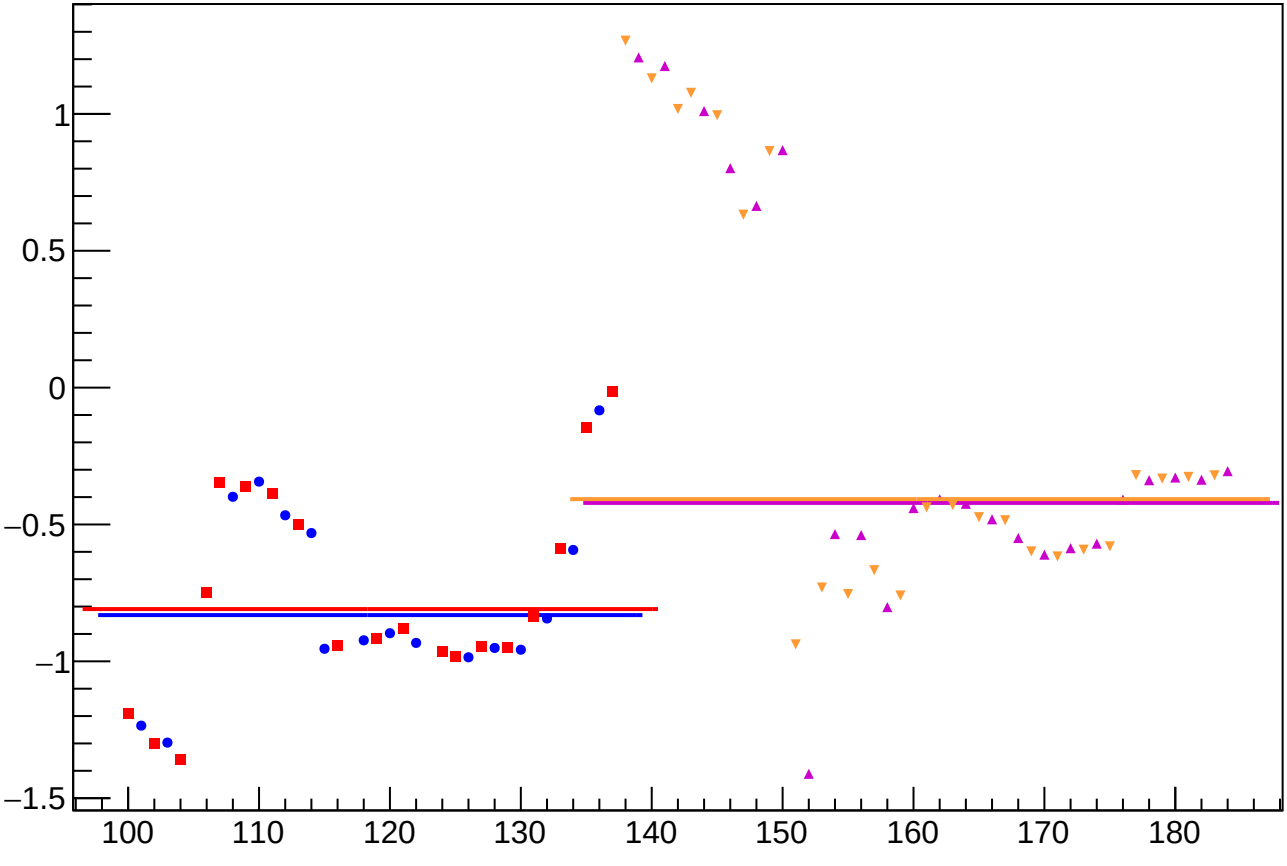
In: -2.378+/-0.000 χ^2/NDF:180384096095.5/38

Out: -2.366+/-0.000 χ^2/NDF:187227733987.8/42

All: -2.372+/-0.000 χ^2/NDF: 367657304718.5


yield_bpm2i02Y_rms vs Slug, Sign Corrected
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
100
110
120
130
140
150
160
170
180
Right In: 0.006+/-0.000 χ²/NDF: 61946.9/15
Left Out: 0.006+/-0.000 χ²/NDF:707231.9/23
Right Out: 0.006+/-0.000 χ²/NDF: 56374.2/18
Left In: 0.006+/-0.000 χ²/NDF:720640.7/22
Left: 0.006+/-0.000 χ²/NDF: 1428007.9/46
Right: 0.006+/-0.000 χ²/NDF: 119093.4/34
In: 0.006+/-0.000 χ²/NDF:885407.0/38
Out: 0.006+/-0.000 χ²/NDF:887781.9/42
All: 0.006+/-0.000 χ²/NDF: 1773897.2/81

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: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.414+/-0.000 χ^2/NDF: 171855515236.0/46

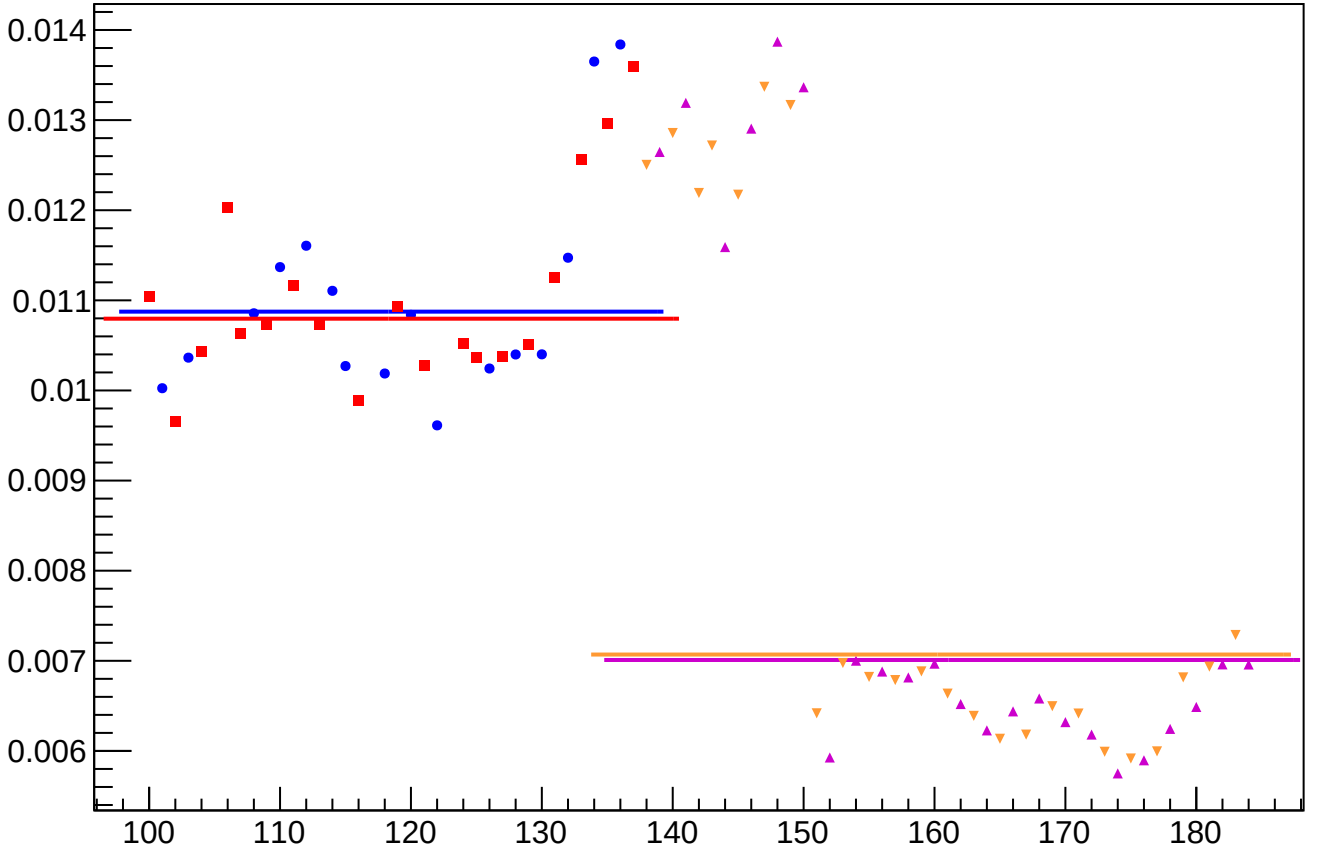
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.482+/-0.000 χ^2/NDF:105868205825.0/38

Out: -0.468+/-0.000 χ^2/NDF:98228901567.5/42

All: -0.475+/-0.000 χ^2/NDF: 204138262762.9

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:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841414.6/46

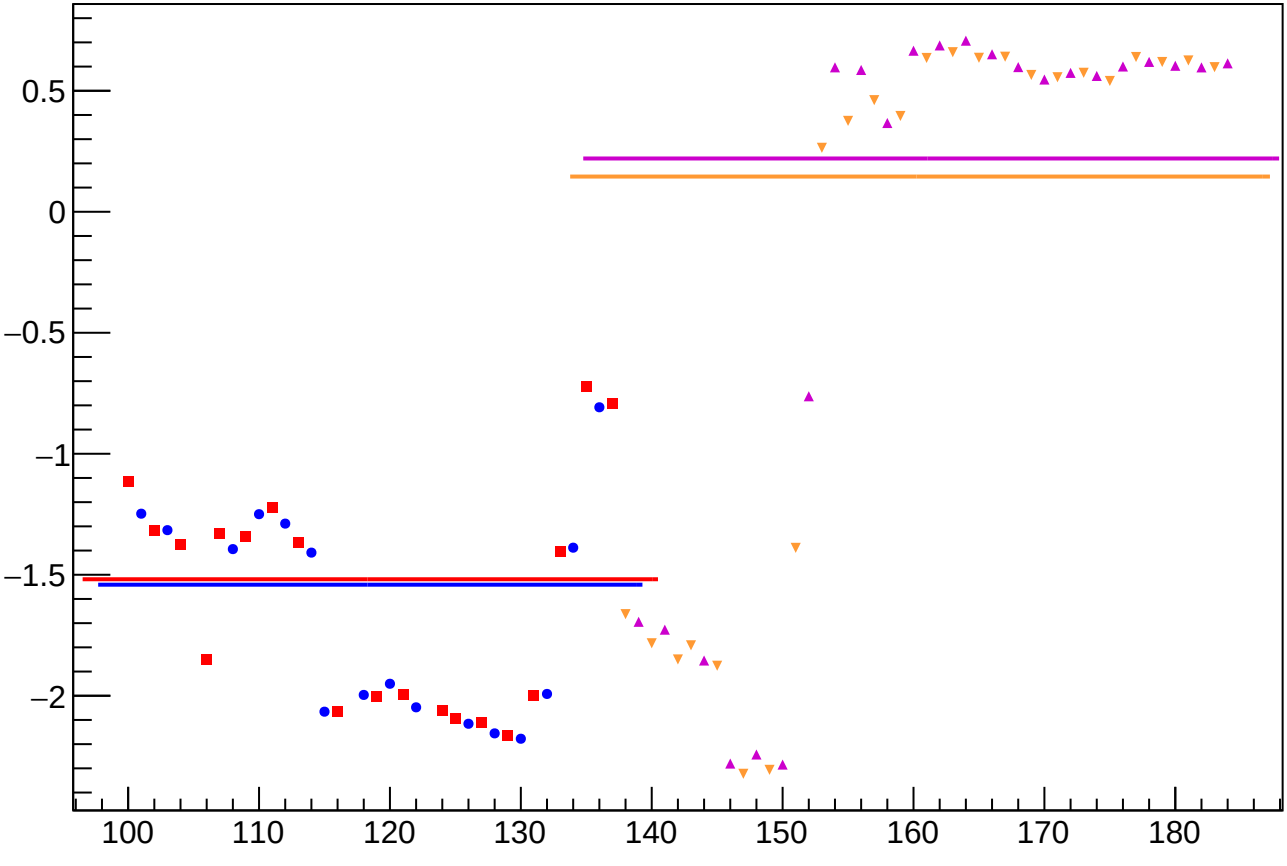
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.008+/-0.000 χ^2/NDF:4128189.7/38

Out: 0.008+/-0.000 χ^2/NDF:3946477.2/42

All: 0.008+/-0.000 χ^2/NDF: 8075564.4/81

yield_bpm0i01Y_mean vs Slug, Sign Corrected



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: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.182+/-0.000 χ^2/NDF: 4519376219074.3/46

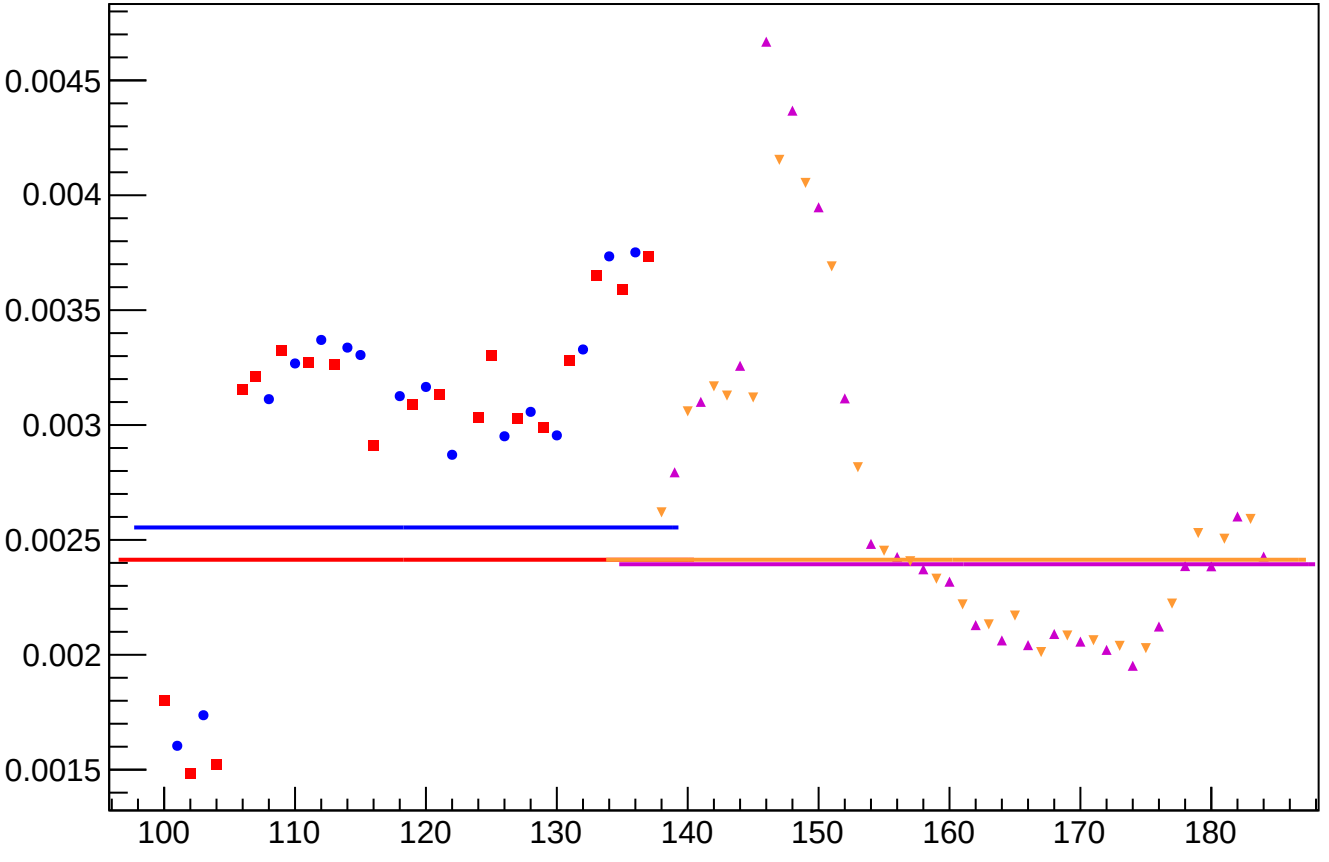
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.220+/-0.000 χ^2/NDF:4445310376684.8/38

Out: -0.288+/-0.000 χ^2/NDF:4617172836544.6/42

All: -0.255+/-0.000 χ^2/NDF: 9071356766242

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1219518.4/23

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

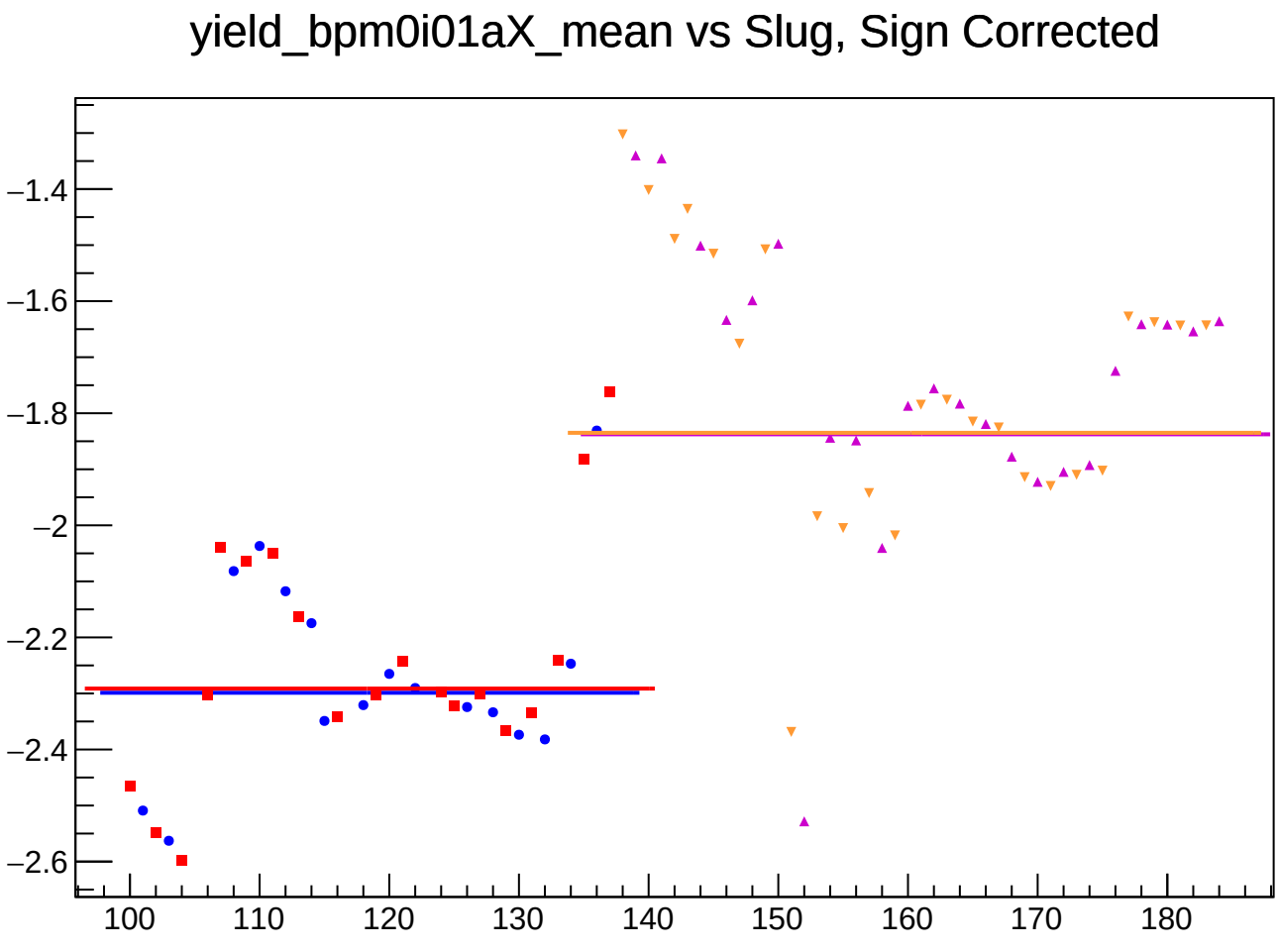
Left: 0.002+/-0.000 χ^2/NDF: 2630206.7/46

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

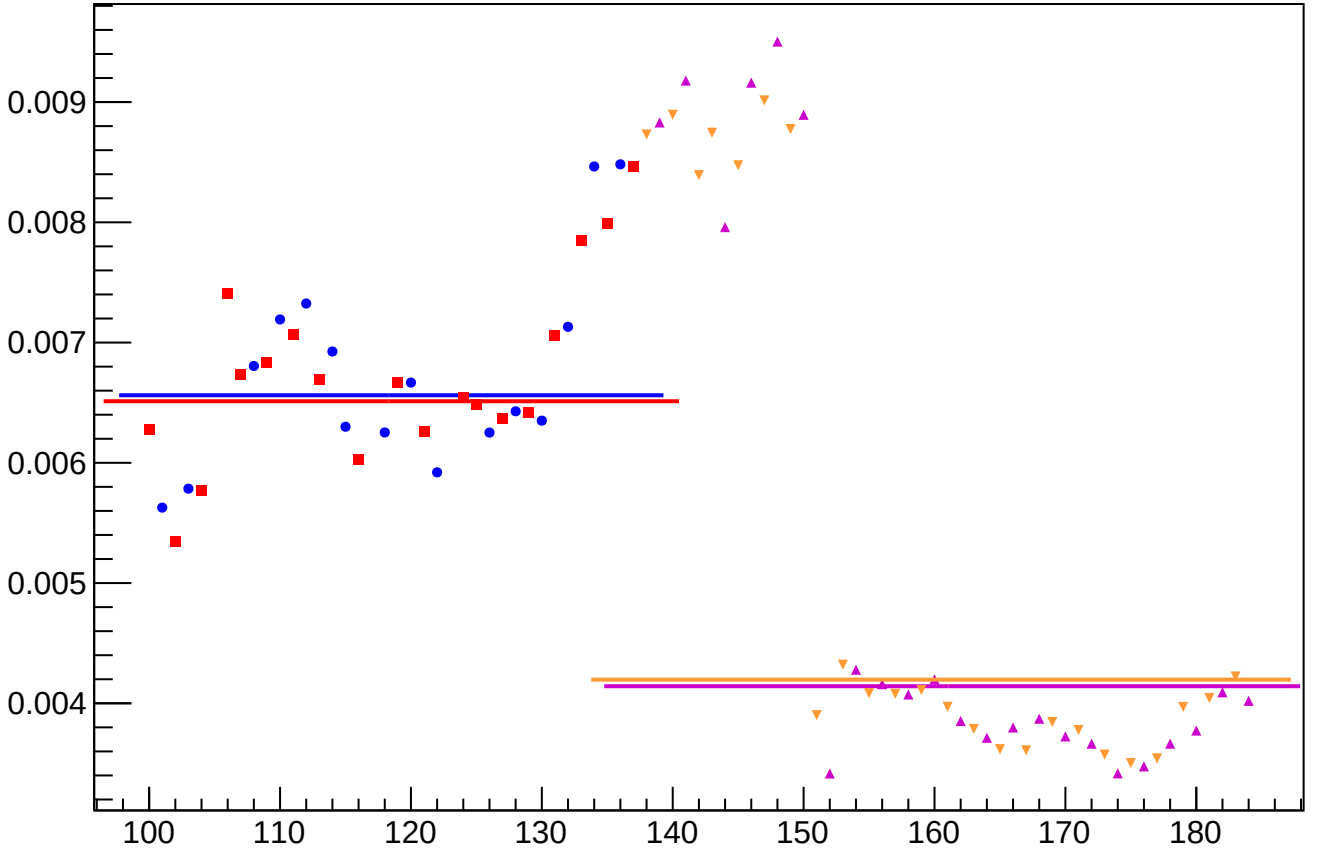
In: 0.002+/-0.000 χ^2/NDF:2617749.8/38

Out: 0.002+/-0.000 χ^2/NDF:2766349.2/42

All: 0.002+/-0.000 χ^2/NDF: 5385679.2/81


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
160
170
180
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.835+/-0.000 χ²/NDF:37773977271.9/23
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.838+/-0.000 χ²/NDF:53437434367.2/22
Left: -1.836+/-0.000 χ²/NDF: 91214790138.0/46
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -1.905+/-0.000 χ²/NDF:88764657542.4/38
Out: -1.903+/-0.000 χ²/NDF:74302966137.3/42
All: -1.904+/-0.000 χ²/NDF: 163070440289.1

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:3193924.3/22

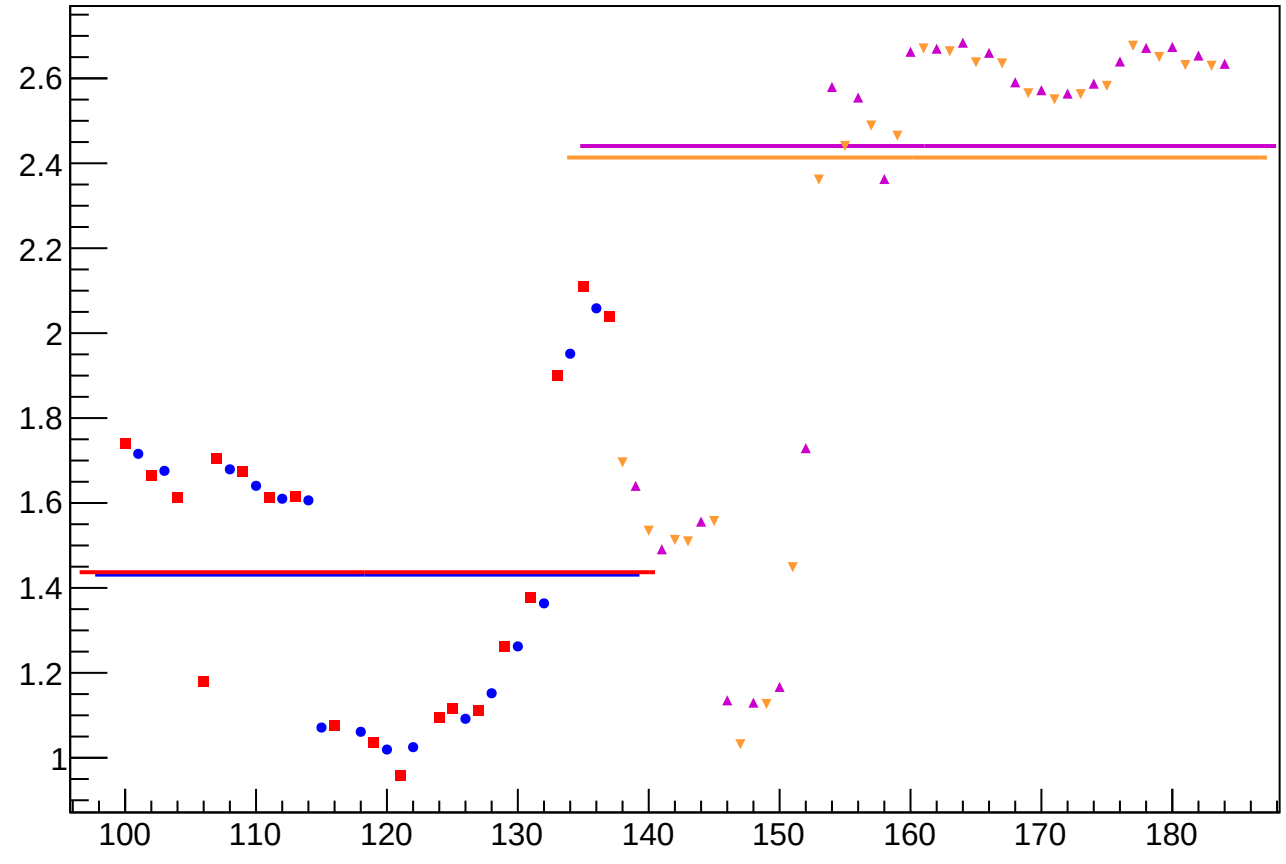
Left: 0.004+/-0.000 χ^2/NDF: 6288276.1/46

Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.004+/-0.000 χ^2/NDF:5023517.0/38

Out: 0.005+/-0.000 χ^2/NDF:4804767.8/42

All: 0.005+/-0.000 χ^2/NDF: 9830578.2/81



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: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.427+/-0.000 χ^2/NDF: 474450410393.6/46

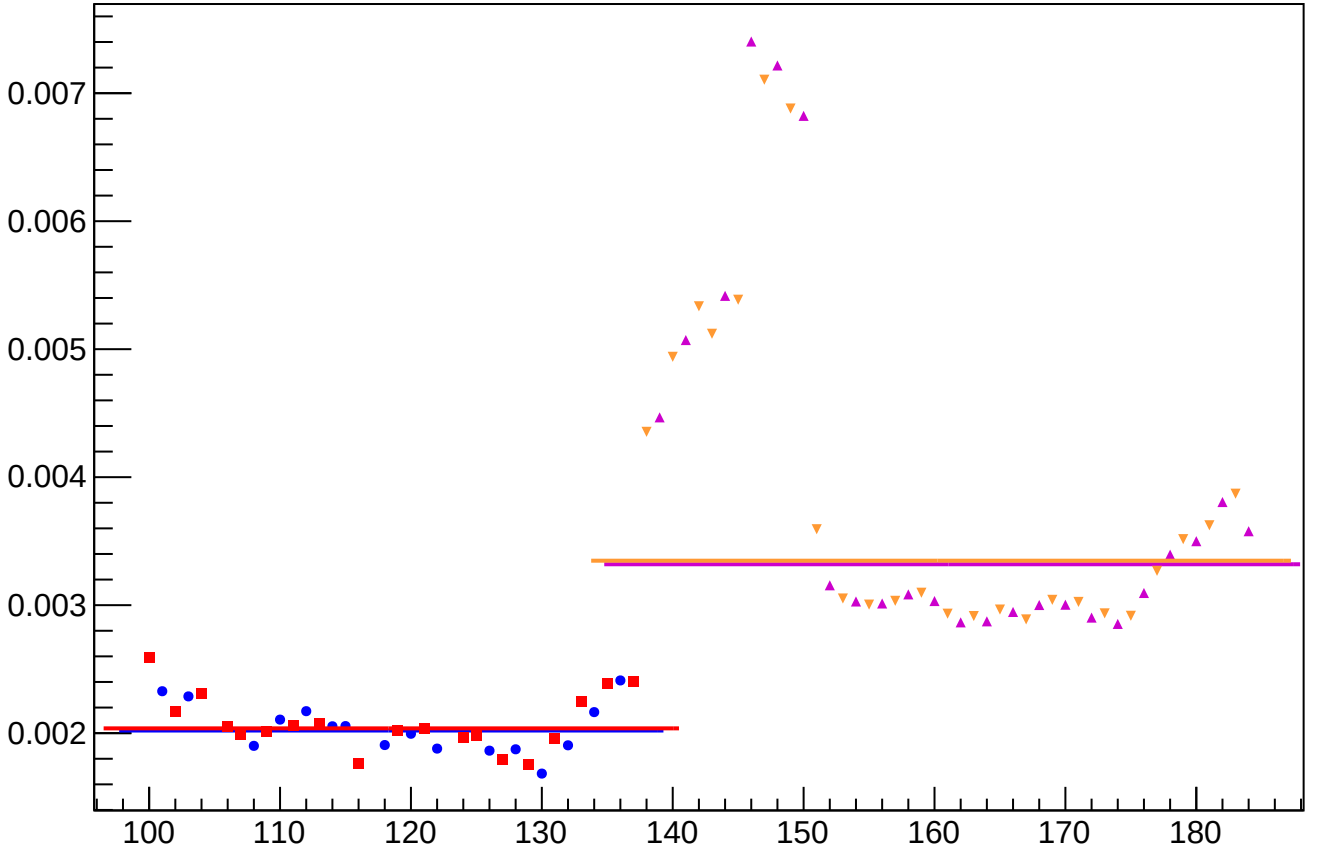
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.913+/-0.000 χ^2/NDF:1210663053627.3/38

Out: 1.910+/-0.000 χ^2/NDF:1178146064987.8/42

All: 1.911+/-0.000 χ^2/NDF: 2388817805521.

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:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3870508.8/46

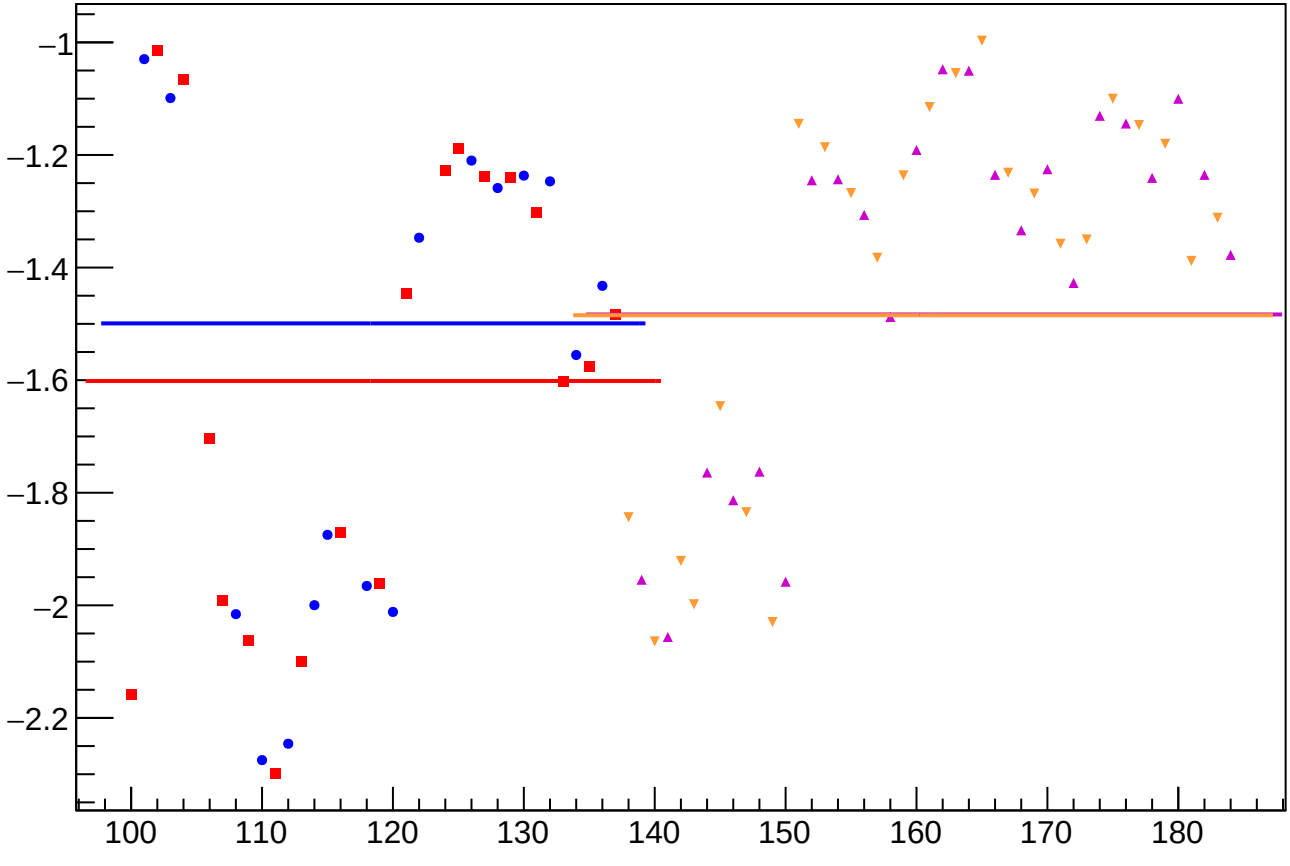
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.003+/-0.000 χ^2/NDF:4826936.5/38

Out: 0.003+/-0.000 χ^2/NDF:4640900.5/42

All: 0.003+/-0.000 χ^2/NDF: 9471108.4/81

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: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88783349134.5/46

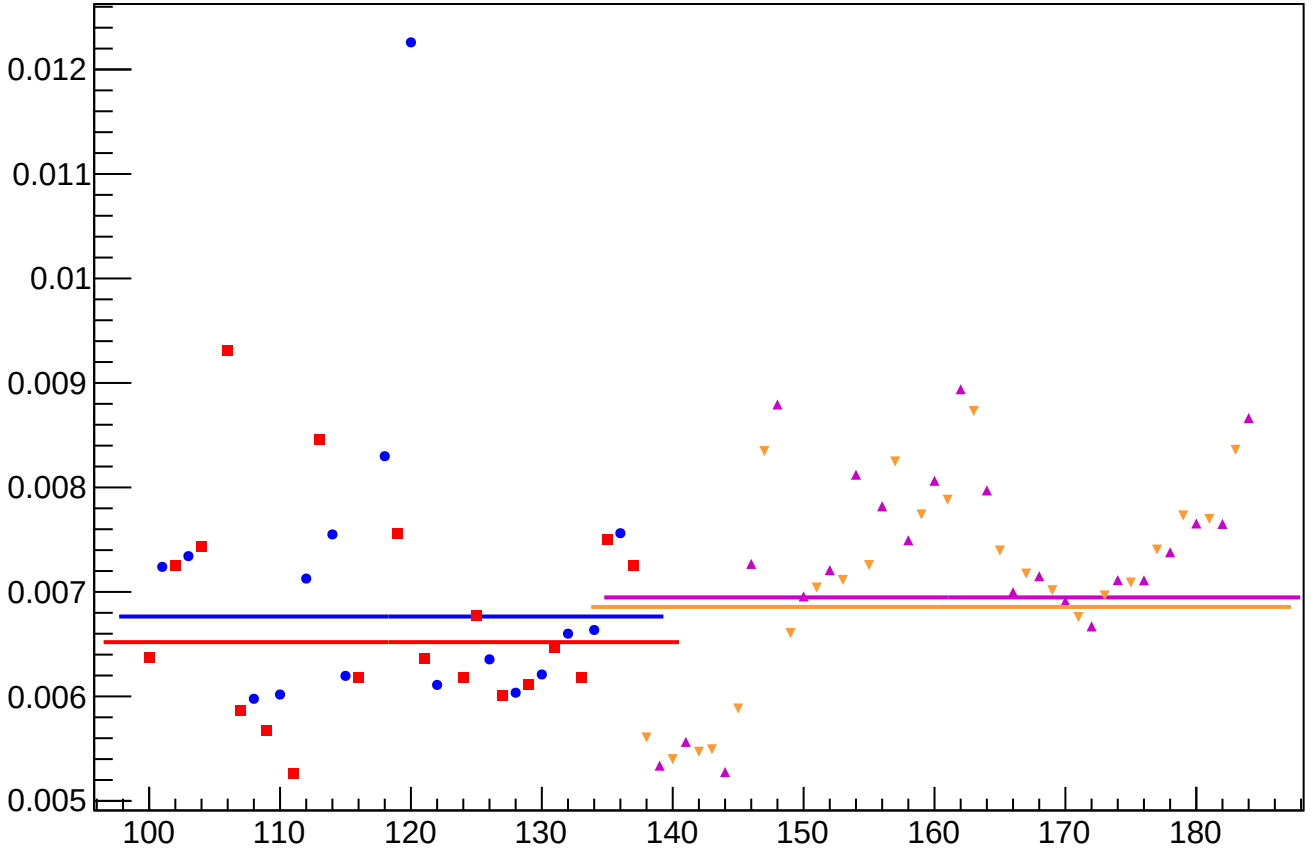
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.488+/-0.000 χ^2/NDF:63309110185.3/38

Out: -1.520+/-0.000 χ^2/NDF:78306296785.2/42

All: -1.504+/-0.000 χ^2/NDF: 141875915351.5

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:746731.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1467152.4/46

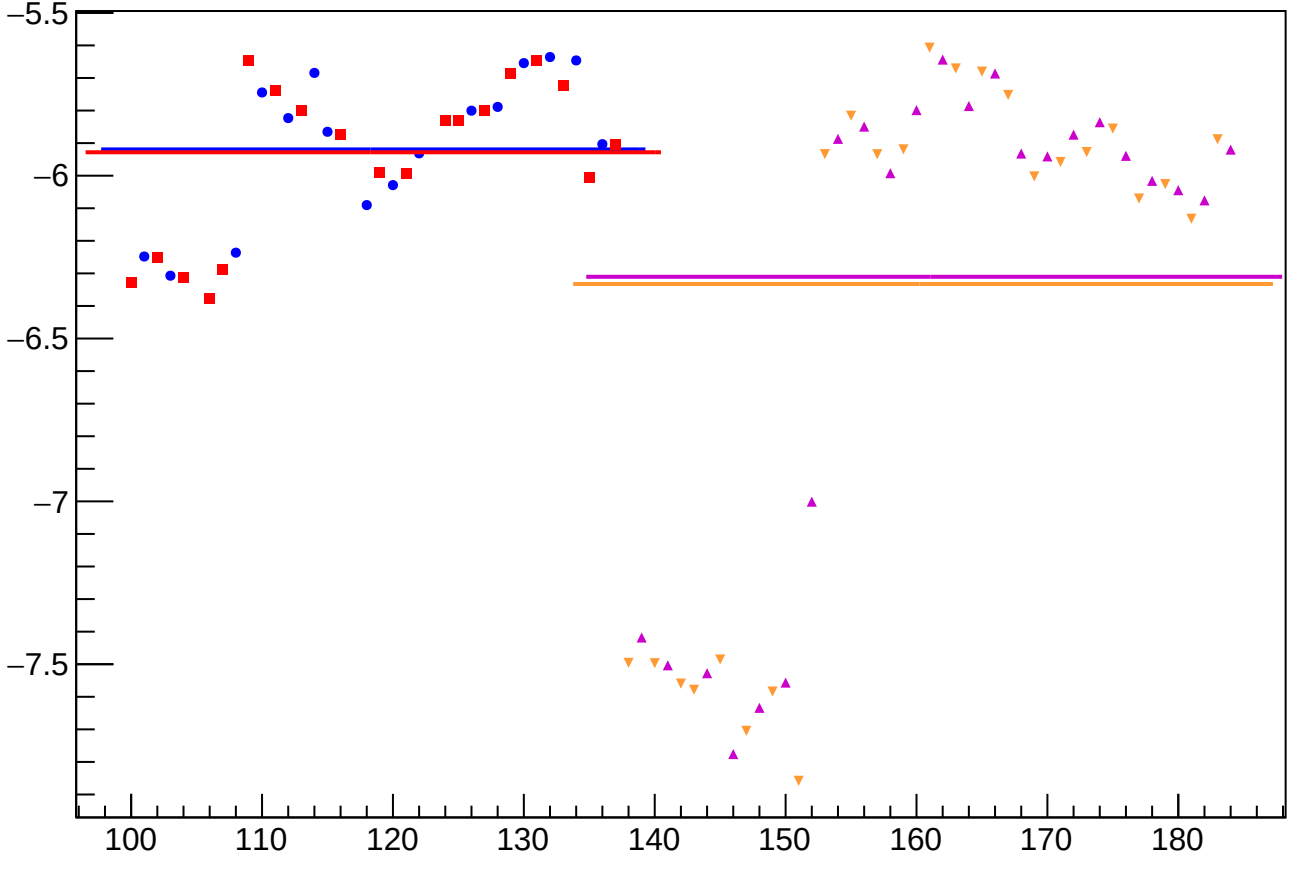
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:992071.2/38

Out: 0.007+/-0.000 χ^2/NDF:988634.5/42

All: 0.007+/-0.000 χ^2/NDF: 1990786.5/81

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: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

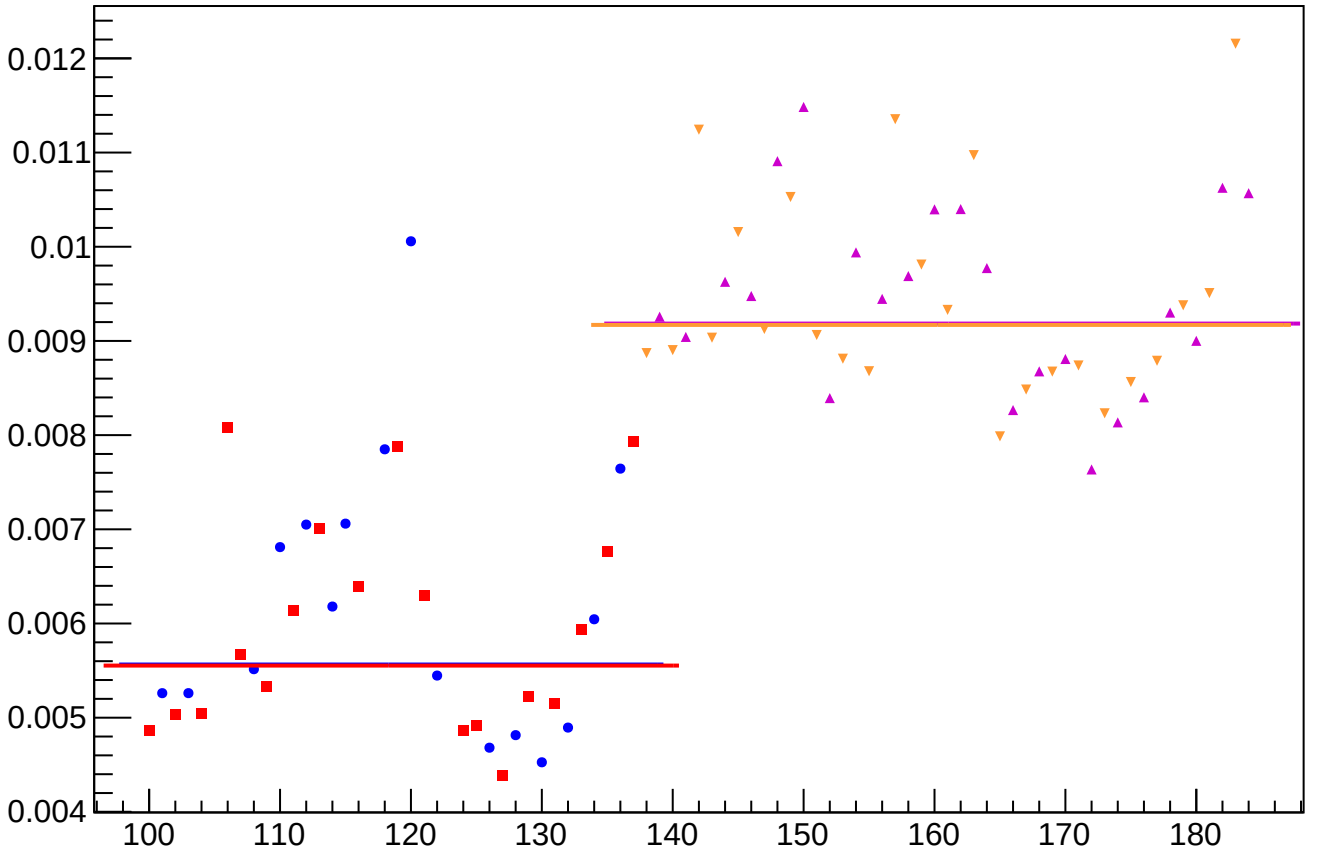
Left: -6.322+/-0.000 χ^2/NDF: 201857307924.9/46

Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.107+/-0.000 χ^2/NDF:117963722765.7/38

Out: -6.120+/-0.000 χ^2/NDF:139097622426.0/42

All: -6.114+/-0.000 χ^2/NDF: 257093576881.



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:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 626038.9/46

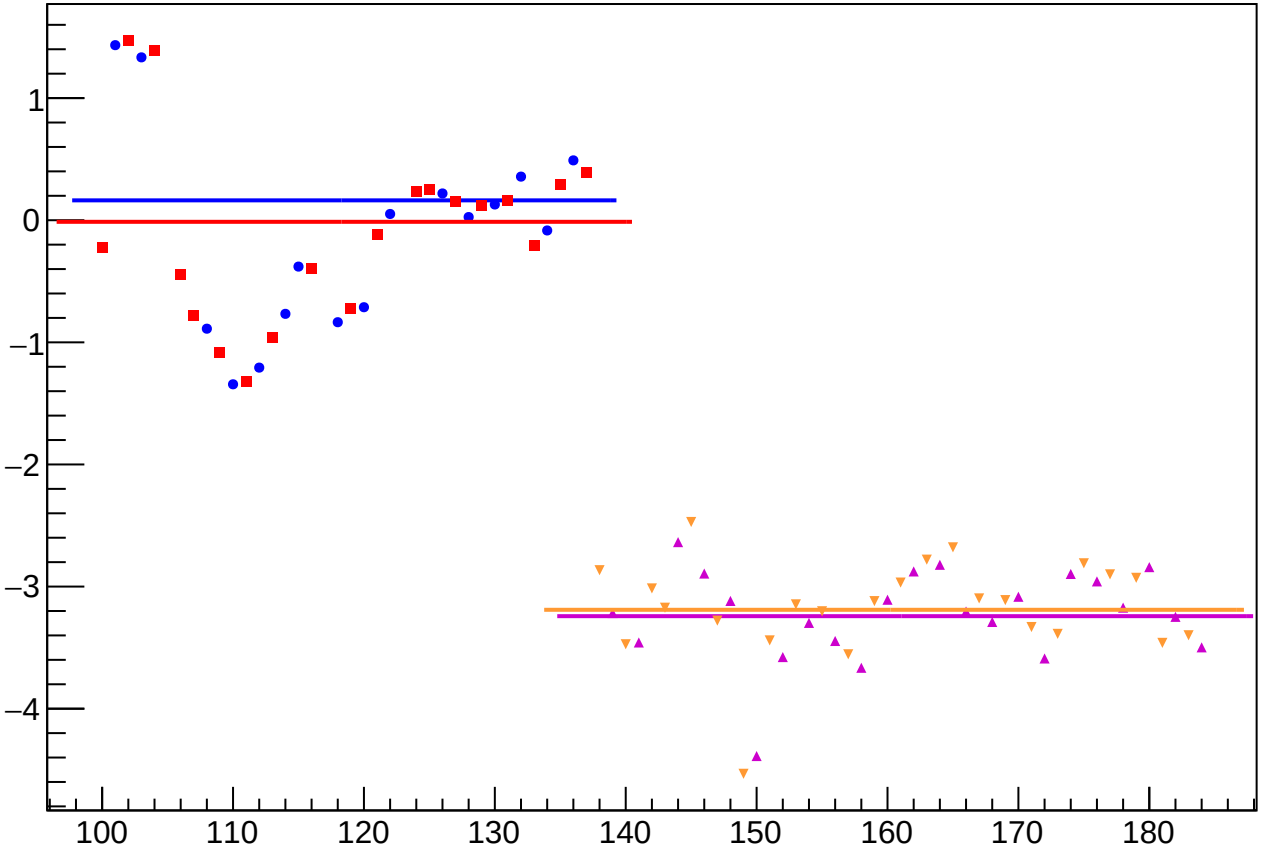
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:3305435.9/38

Out: 0.007+/-0.000 χ^2/NDF:3283481.2/42

All: 0.007+/-0.000 χ^2/NDF: 6589352.7/81

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: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.216+/-0.000 χ^2/NDF: 17436467751.1/46

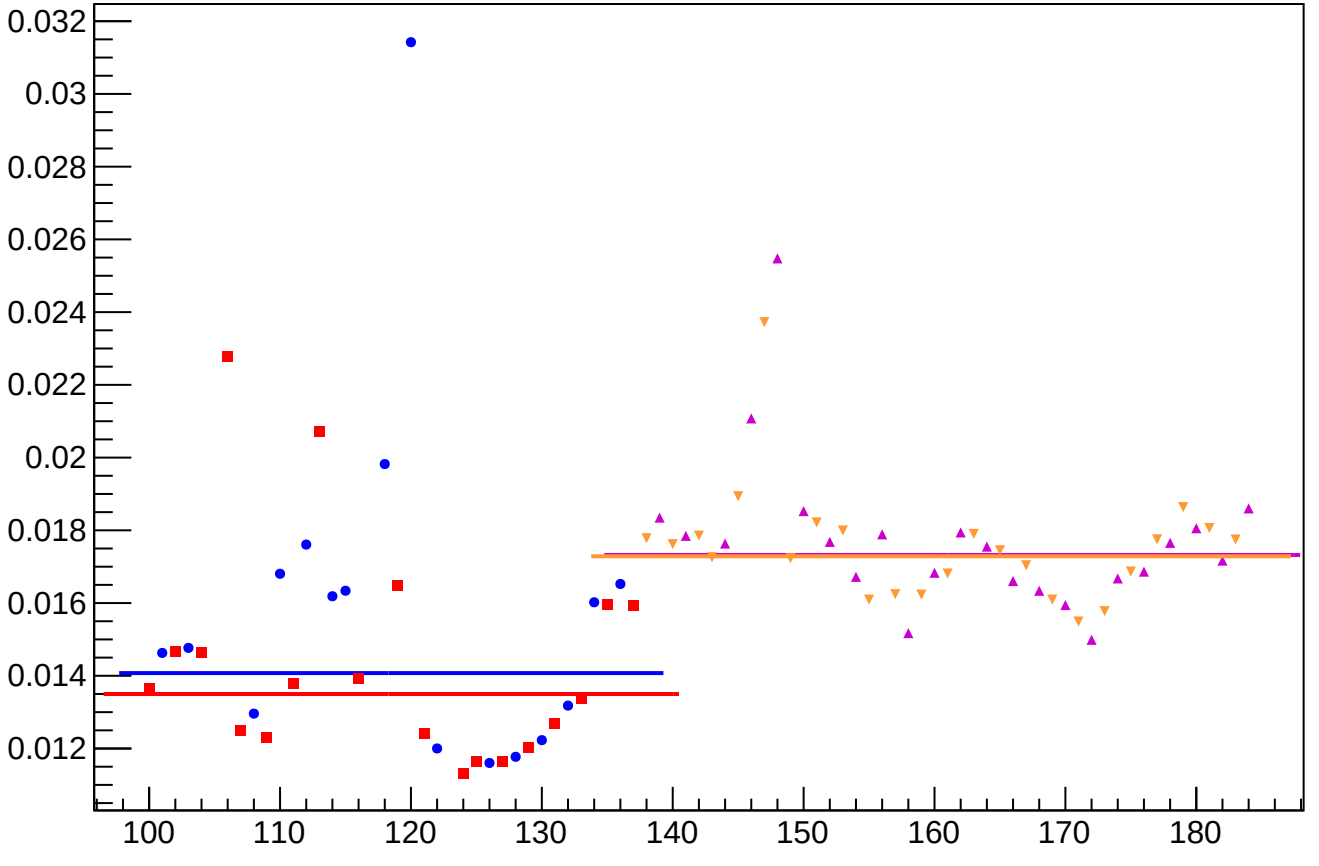
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -2.041+/-0.000 χ^2/NDF:264786960633.8/38

Out: -1.991+/-0.000 χ^2/NDF:265537277622.3/42

All: -2.015+/-0.000 χ^2/NDF: 530443212644.

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:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 545761.0/46

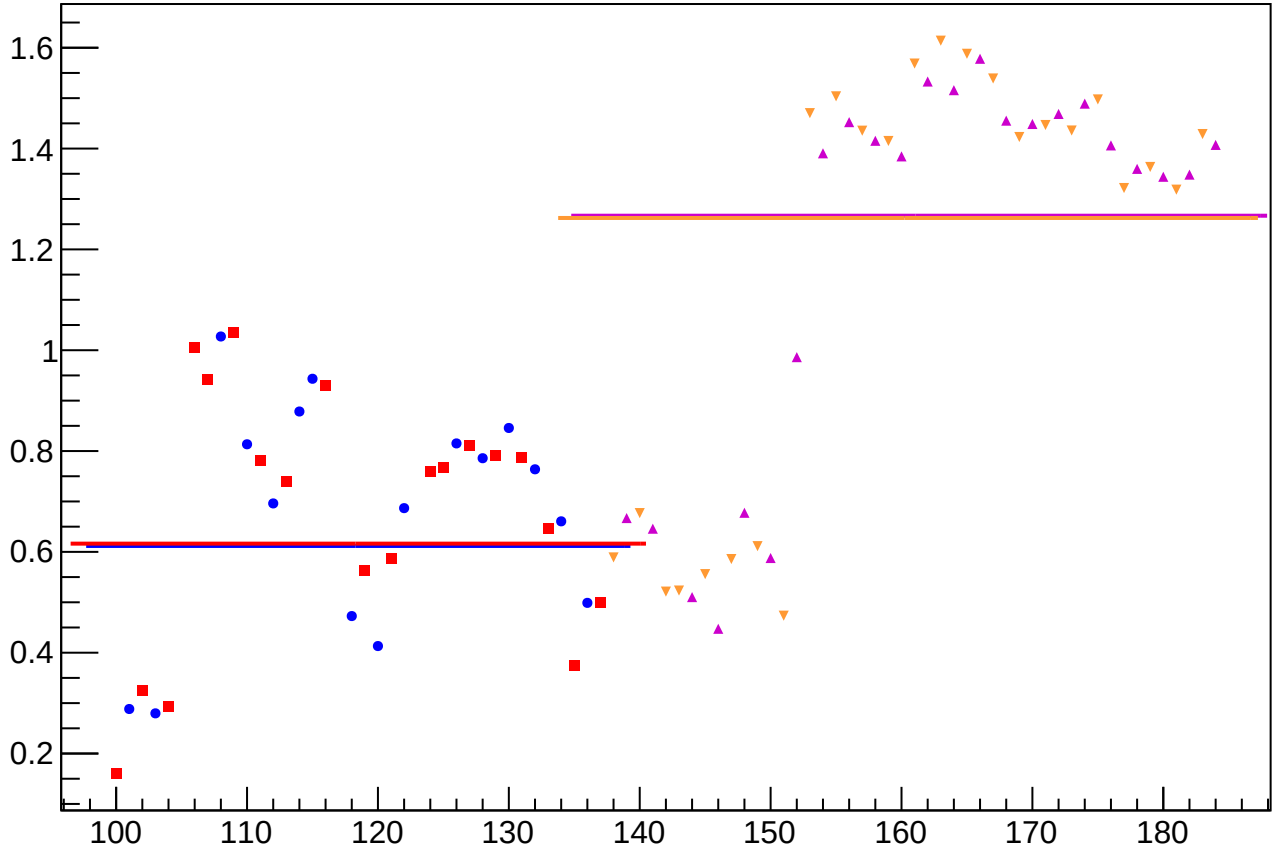
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1230154.1/38

Out: 0.016+/-0.000 χ^2/NDF:1194840.4/42

All: 0.016+/-0.000 χ^2/NDF: 2434649.8/81

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: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83155206609.3/46

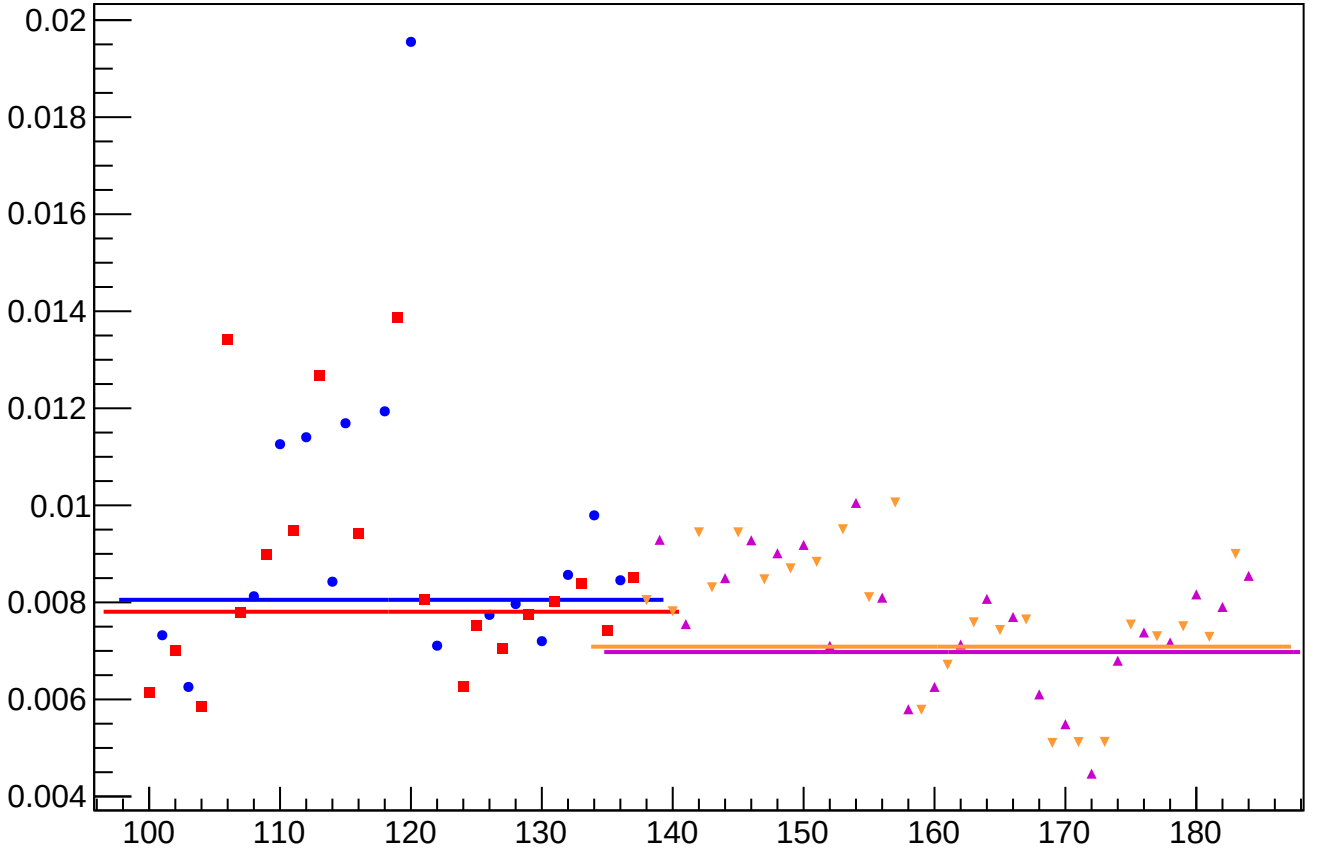
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 1.122+/-0.000 χ^2/NDF:74852219499.5/38

Out: 1.108+/-0.000 χ^2/NDF:85349694213.5/42

All: 1.115+/-0.000 χ^2/NDF: 160248691749.9

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:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2935426.5/46

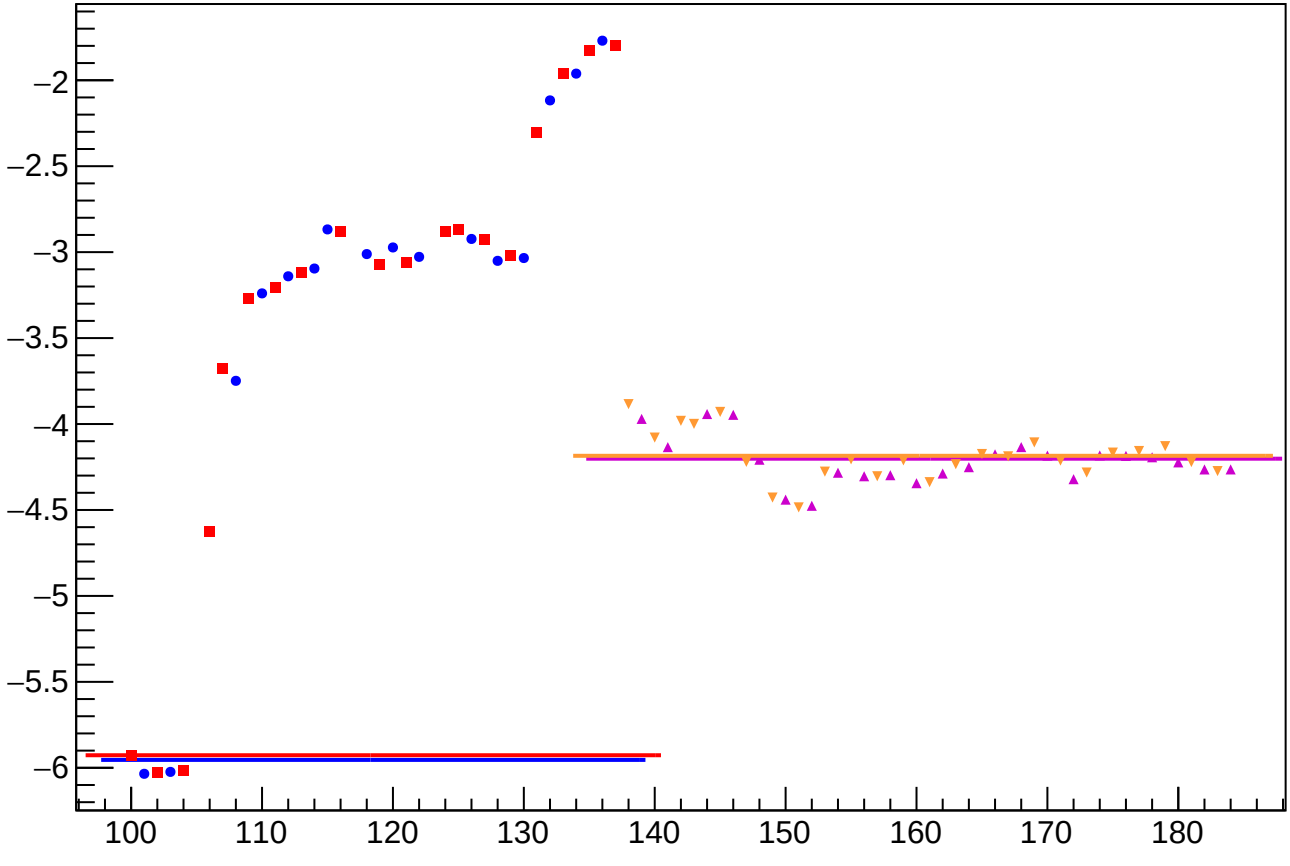
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.007+/-0.000 χ^2/NDF:2225966.2/38

Out: 0.007+/-0.000 χ^2/NDF:2144291.3/42

All: 0.007+/-0.000 χ^2/NDF: 4371178.9/81

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: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.196+/-0.000 χ^2/NDF: 97951264.6/46

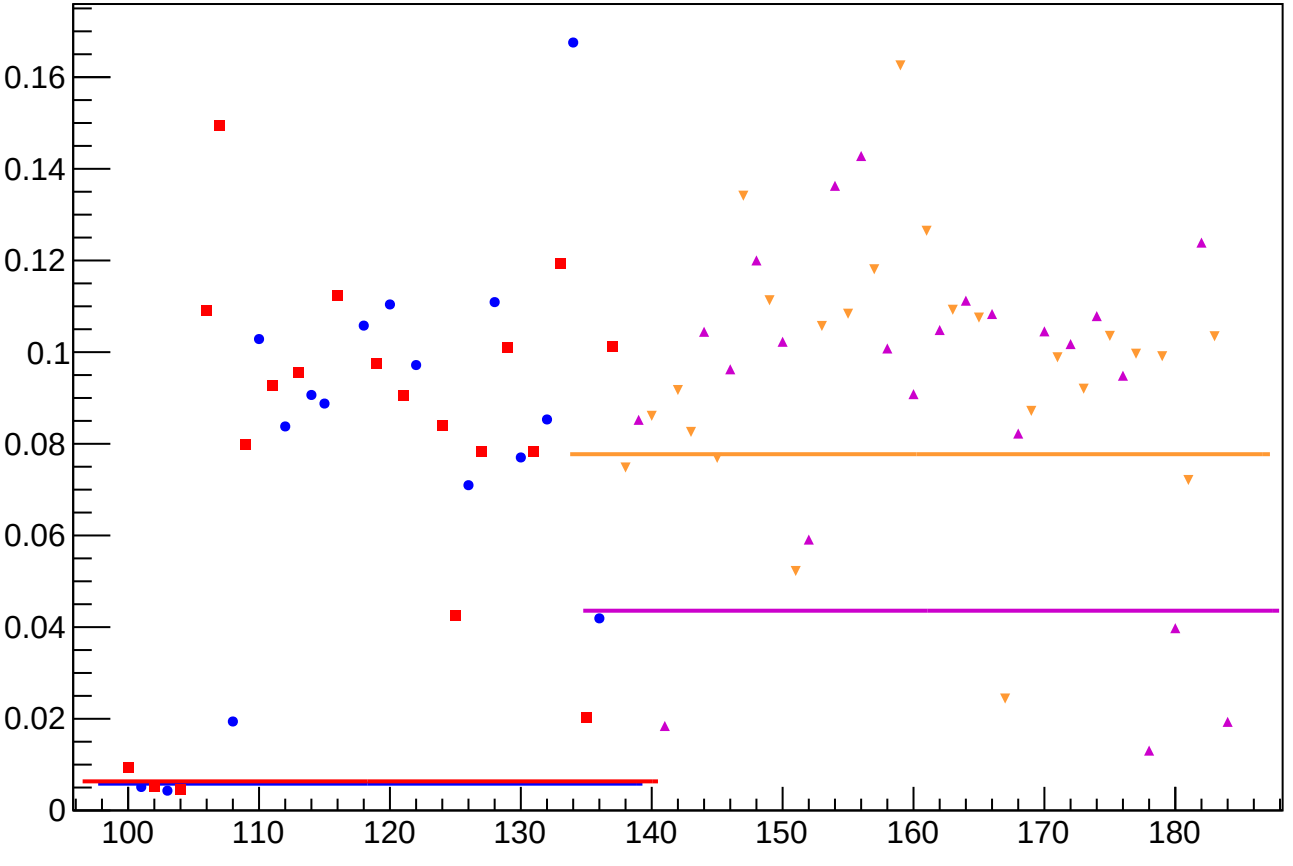
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.825+/-0.000 χ^2/NDF:24782460613.6/38

Out: -5.839+/-0.000 χ^2/NDF:20489850527.6/42

All: -5.831+/-0.000 χ^2/NDF: 45276677124.1/

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: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.056+/-0.000 χ^2/NDF: 20915762.5/46

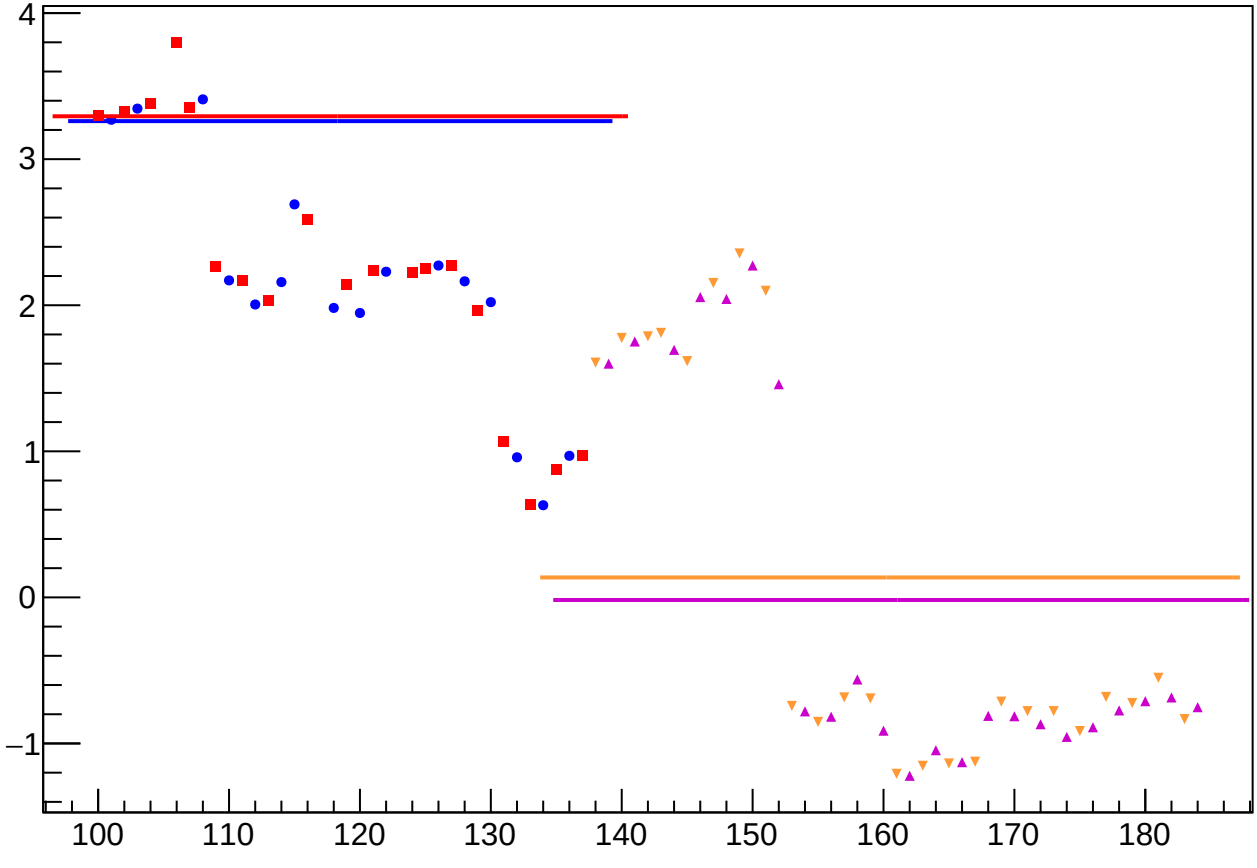
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.009+/-0.000 χ^2/NDF:32259362.6/38

Out: 0.010+/-0.000 χ^2/NDF:35381524.1/42

All: 0.009+/-0.000 χ^2/NDF: 67730687.3/81

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: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

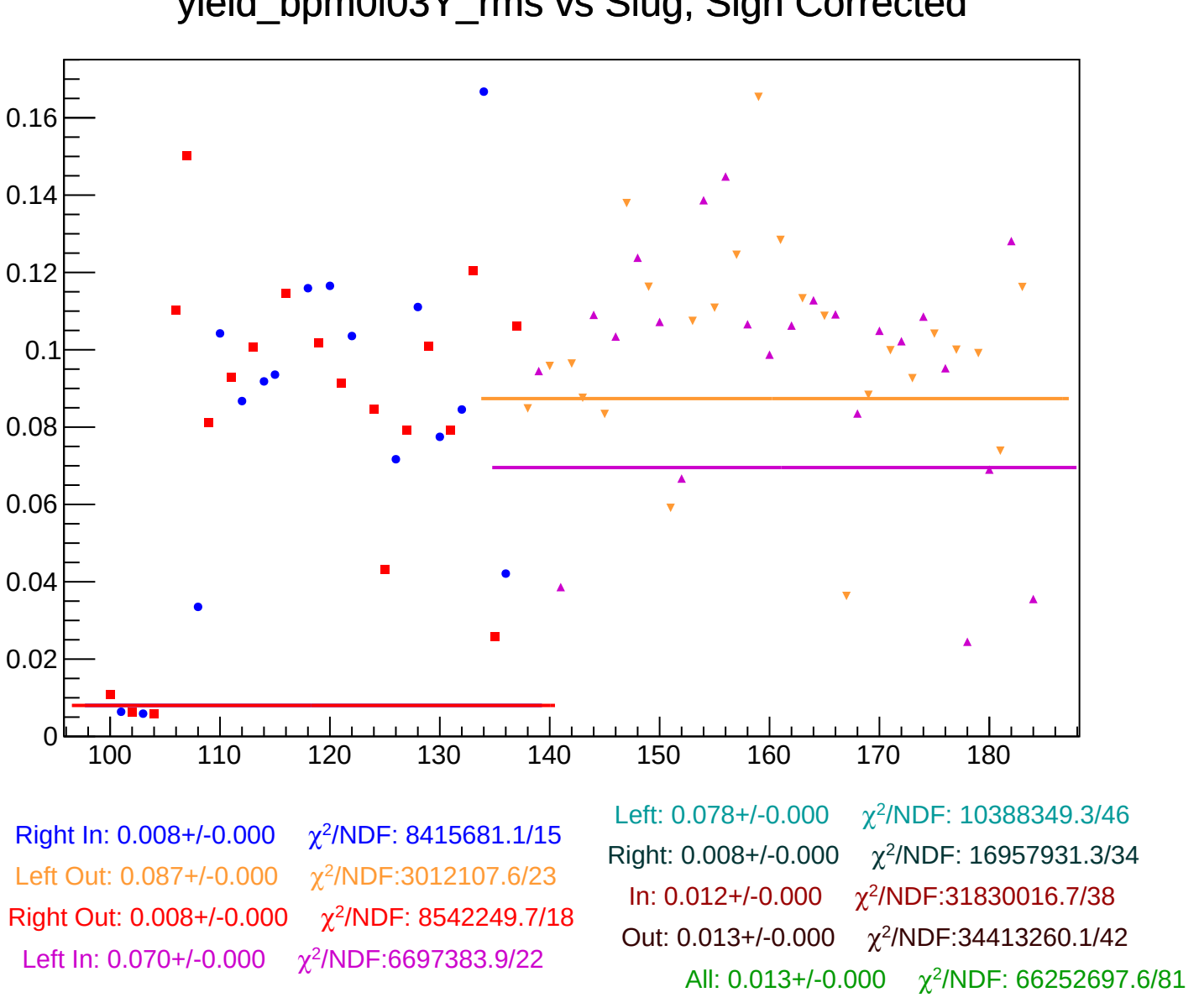
Left: 0.051+/-0.000 χ^2/NDF: 6980003971.8/46

Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

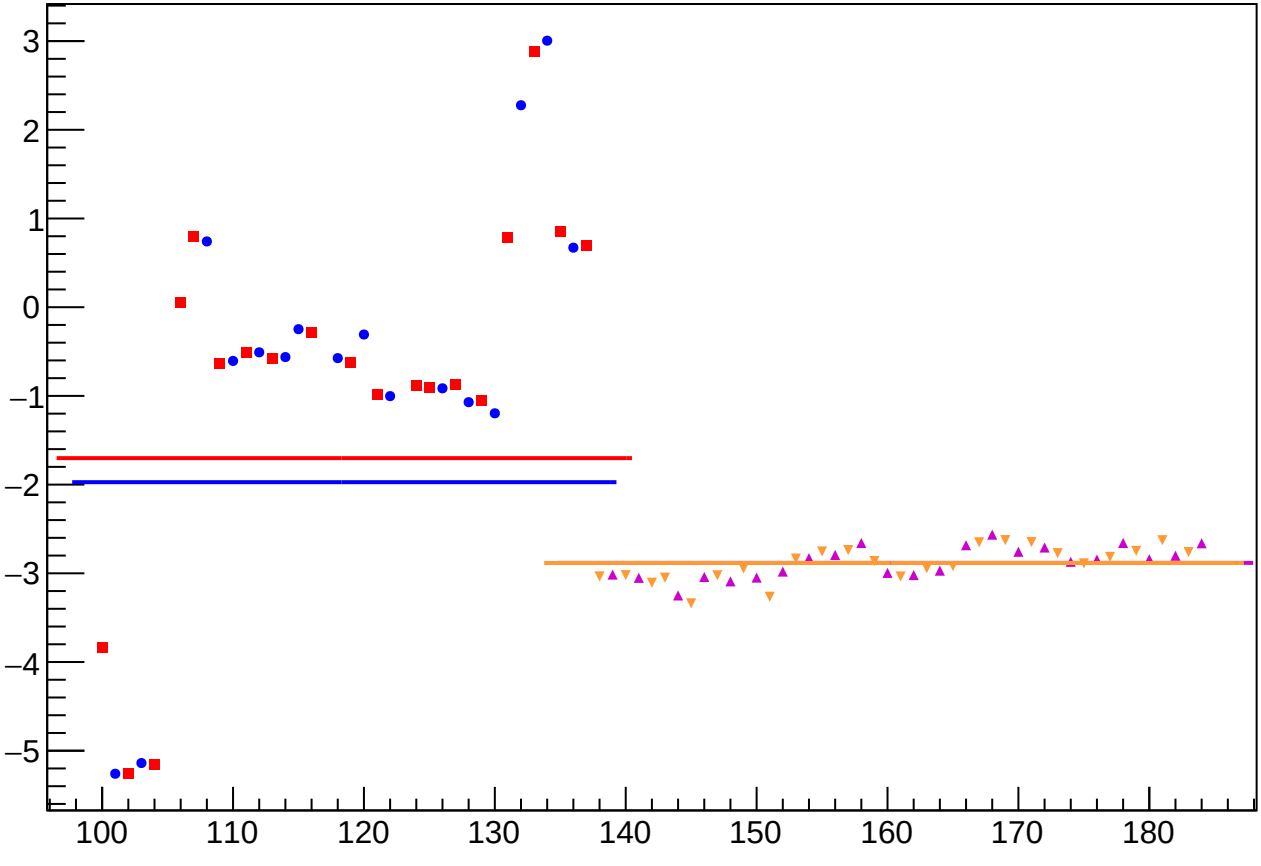
In: 3.027+/-0.000 χ^2/NDF:30202188008.8/38

Out: 3.098+/-0.000 χ^2/NDF:24833141972.0/42

All: 3.061+/-0.000 χ^2/NDF: 55115901116.4/8


yield_bpm0l03Y_rms vs Slug, Sign Corrected
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.008+/-0.000 χ²/NDF: 8415681.1/15
Left Out: 0.087+/-0.000 χ²/NDF:3012107.6/23
Right Out: 0.008+/-0.000 χ²/NDF: 8542249.7/18
Left In: 0.070+/-0.000 χ²/NDF:6697383.9/22
Left: 0.078+/-0.000 χ²/NDF: 10388349.3/46
Right: 0.008+/-0.000 χ²/NDF: 16957931.3/34
In: 0.012+/-0.000 χ²/NDF:31830016.7/38
Out: 0.013+/-0.000 χ²/NDF:34413260.1/42
All: 0.013+/-0.000 χ²/NDF: 66252697.6/81

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.884+/-0.000 χ^2/NDF:10365977969.4/23

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.883+/-0.000 χ^2/NDF: 18666256694.9/46

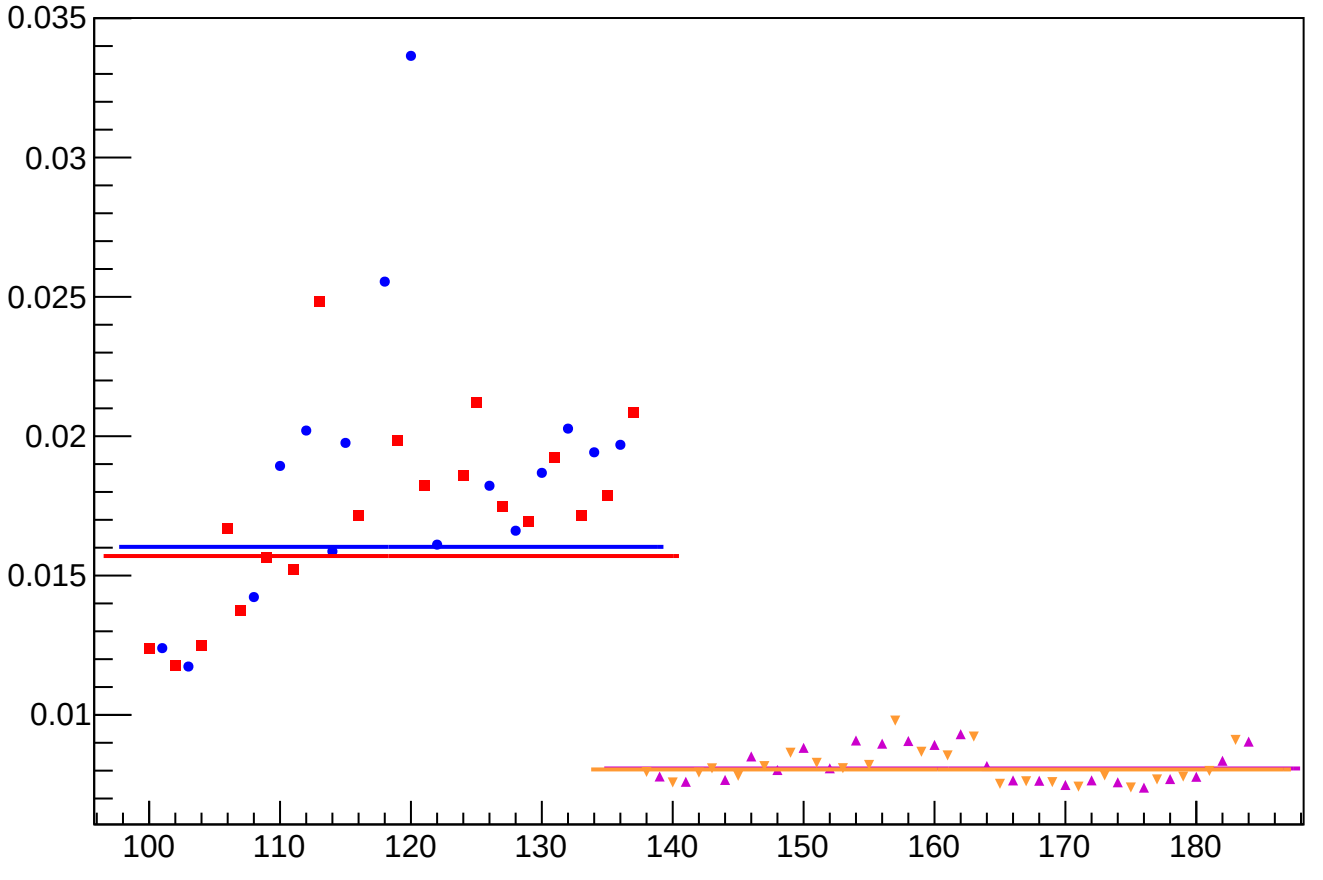
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.811+/-0.000 χ^2/NDF:187561981014.2/38

Out: -2.784+/-0.000 χ^2/NDF:211585599166.2/42

All: -2.797+/-0.000 χ^2/NDF: 399257339147.4

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:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 353652.6/46

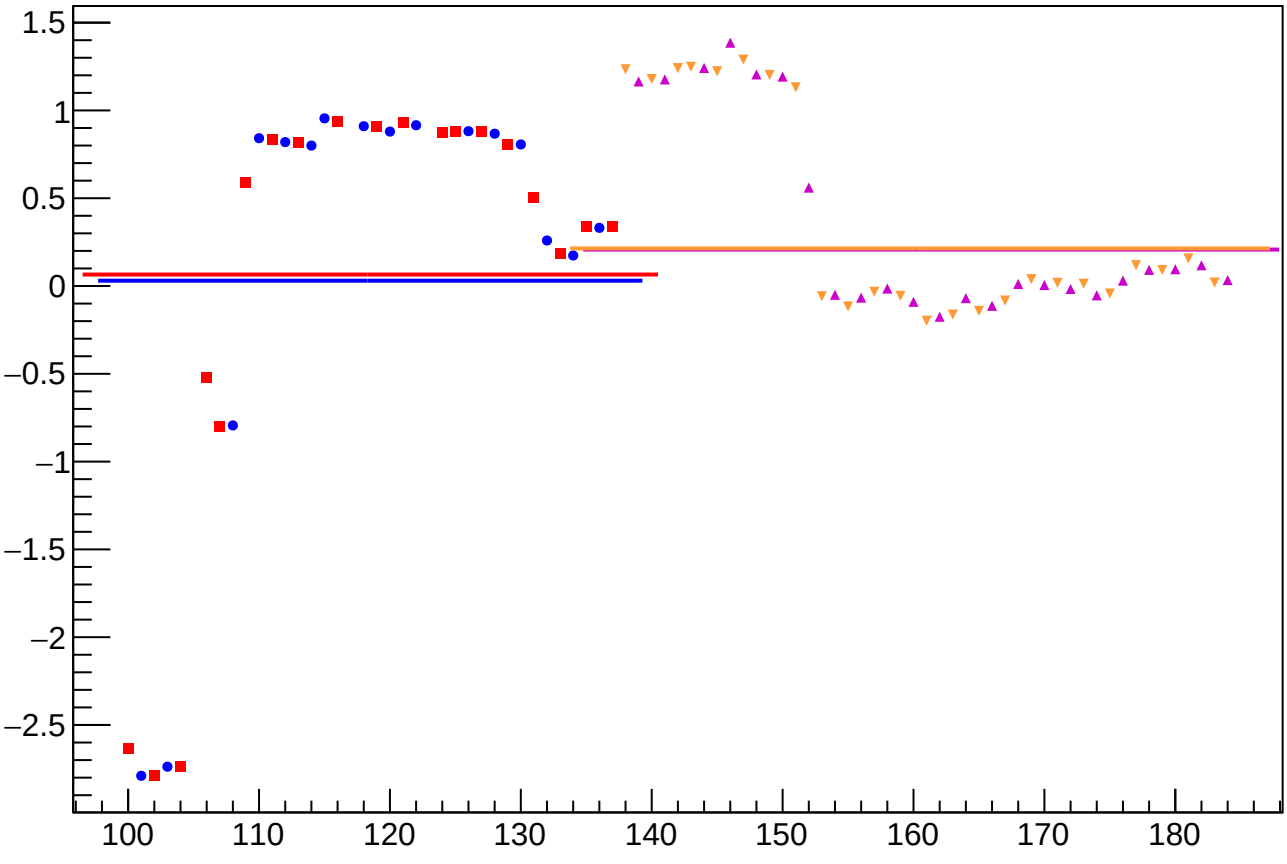
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3558857.3/38

Out: 0.009+/-0.000 χ^2/NDF:3450948.9/42

All: 0.009+/-0.000 χ^2/NDF: 7009845.1/81

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: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.211+/-0.000 χ^2/NDF: 189828536869.3/46

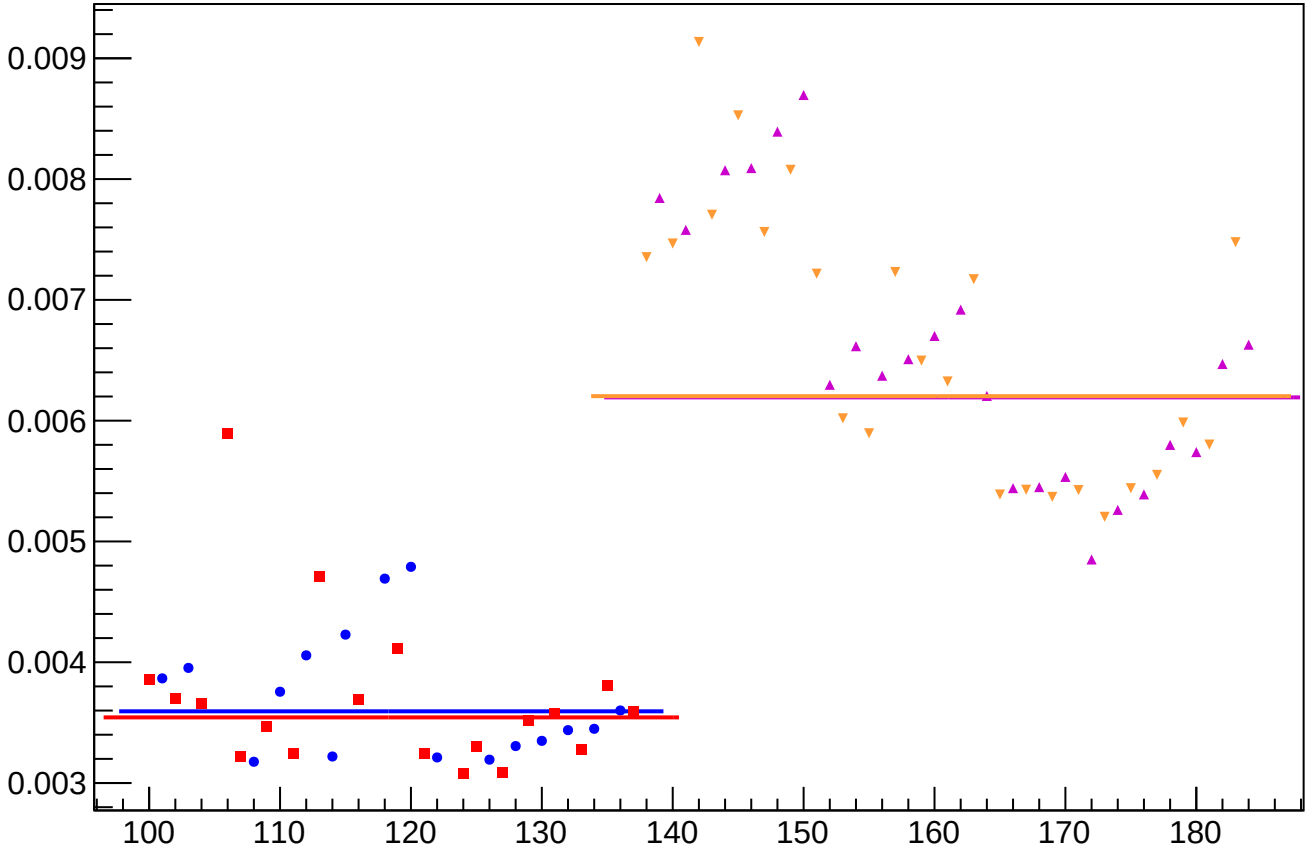
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.109+/-0.000 χ^2/NDF:946019346923.7/38

Out: 0.130+/-0.000 χ^2/NDF:1043546632904.4/42

All: 0.119+/-0.000 χ^2/NDF: 1989779990881.

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:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1589695.2/46

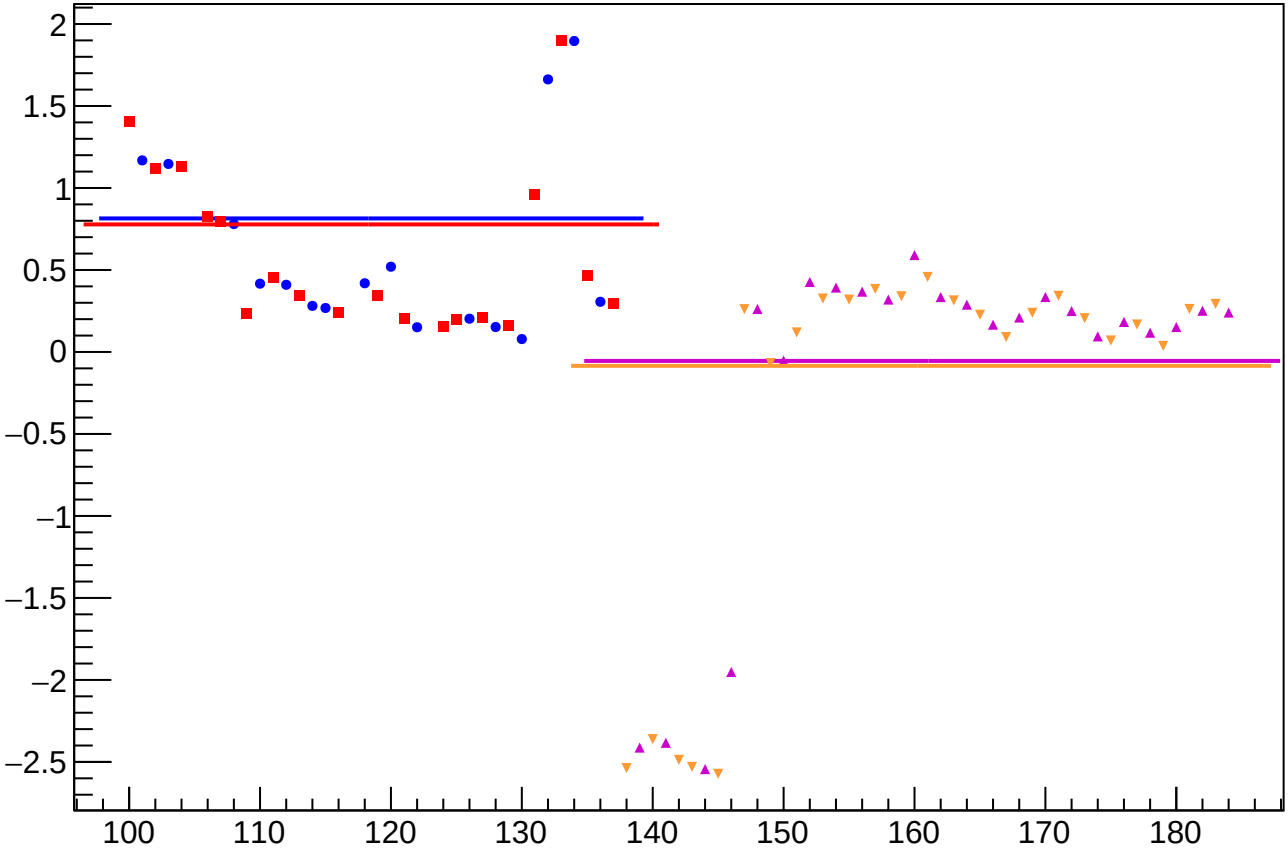
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.005+/-0.000 χ^2/NDF:4109407.2/38

Out: 0.005+/-0.000 χ^2/NDF:4426671.2/42

All: 0.005+/-0.000 χ^2/NDF: 8538280.0/81

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: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.070+/-0.000 χ^2/NDF: 735032183212.7/46

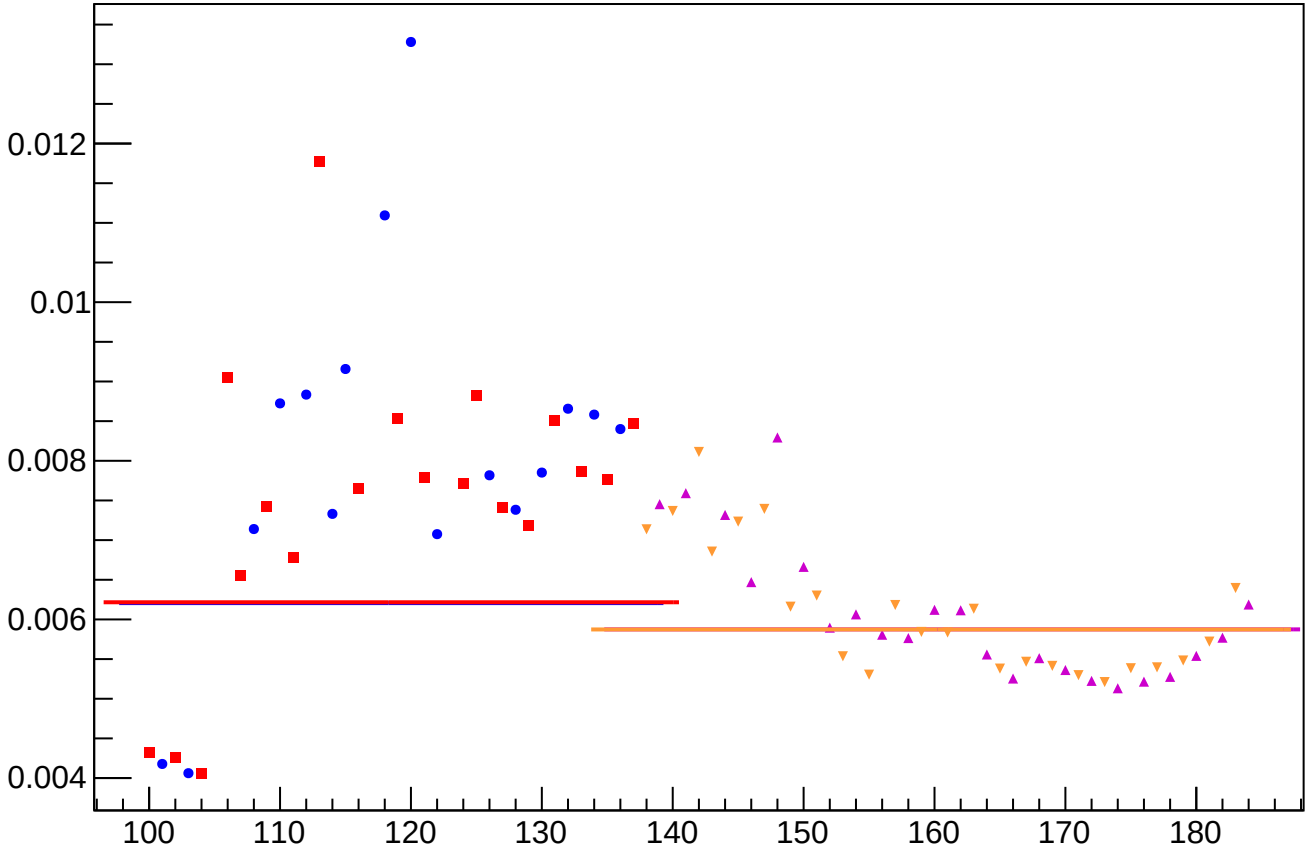
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.145+/-0.000 χ^2/NDF:466432279636.9/38

Out: 0.119+/-0.000 χ^2/NDF:510606197064.8/42

All: 0.132+/-0.000 χ^2/NDF: 977244398044.5

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:448333.0/23

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 970211.8/46

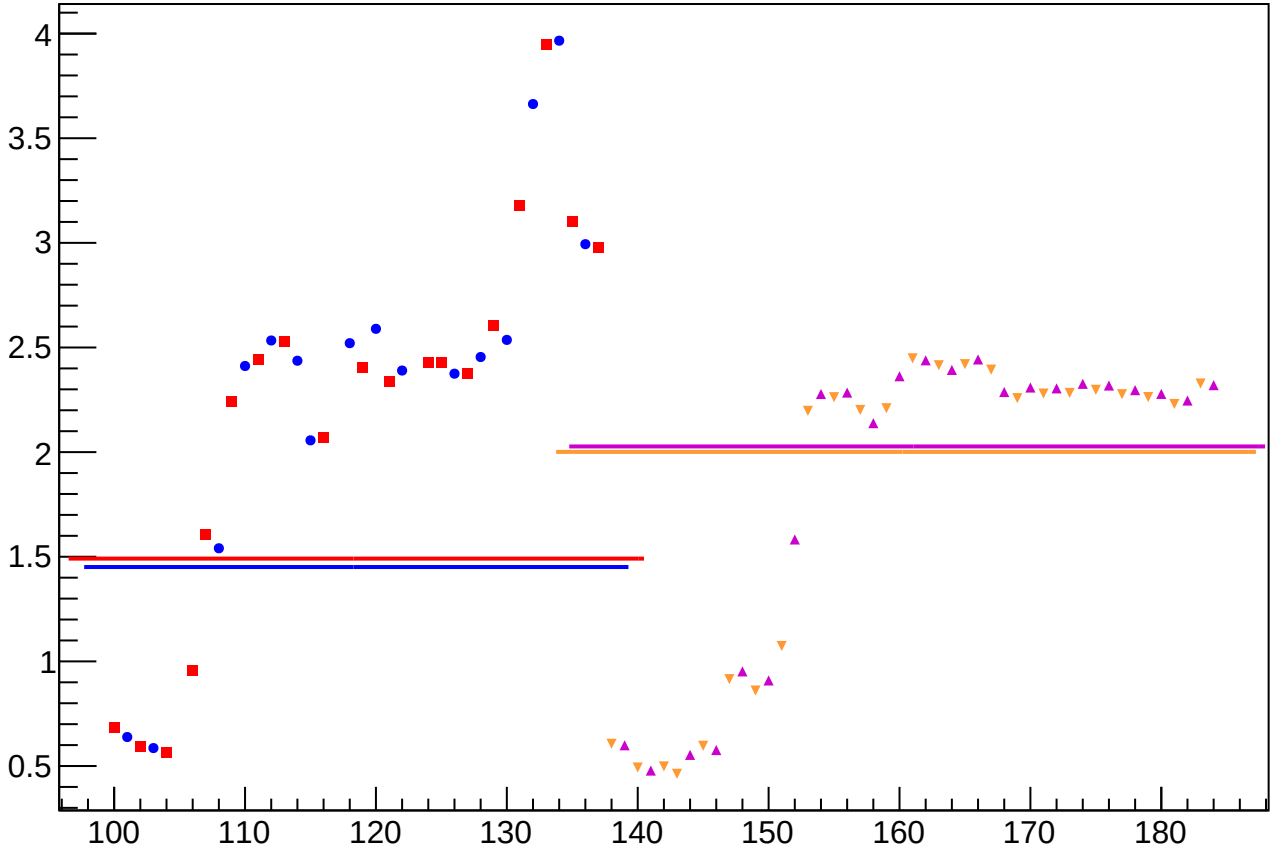
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1970197.2/38

Out: 0.006+/-0.000 χ^2/NDF:1637335.2/42

All: 0.006+/-0.000 χ^2/NDF: 3607543.2/81

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: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.014+/-0.000 χ^2/NDF: 413374801529.5/46

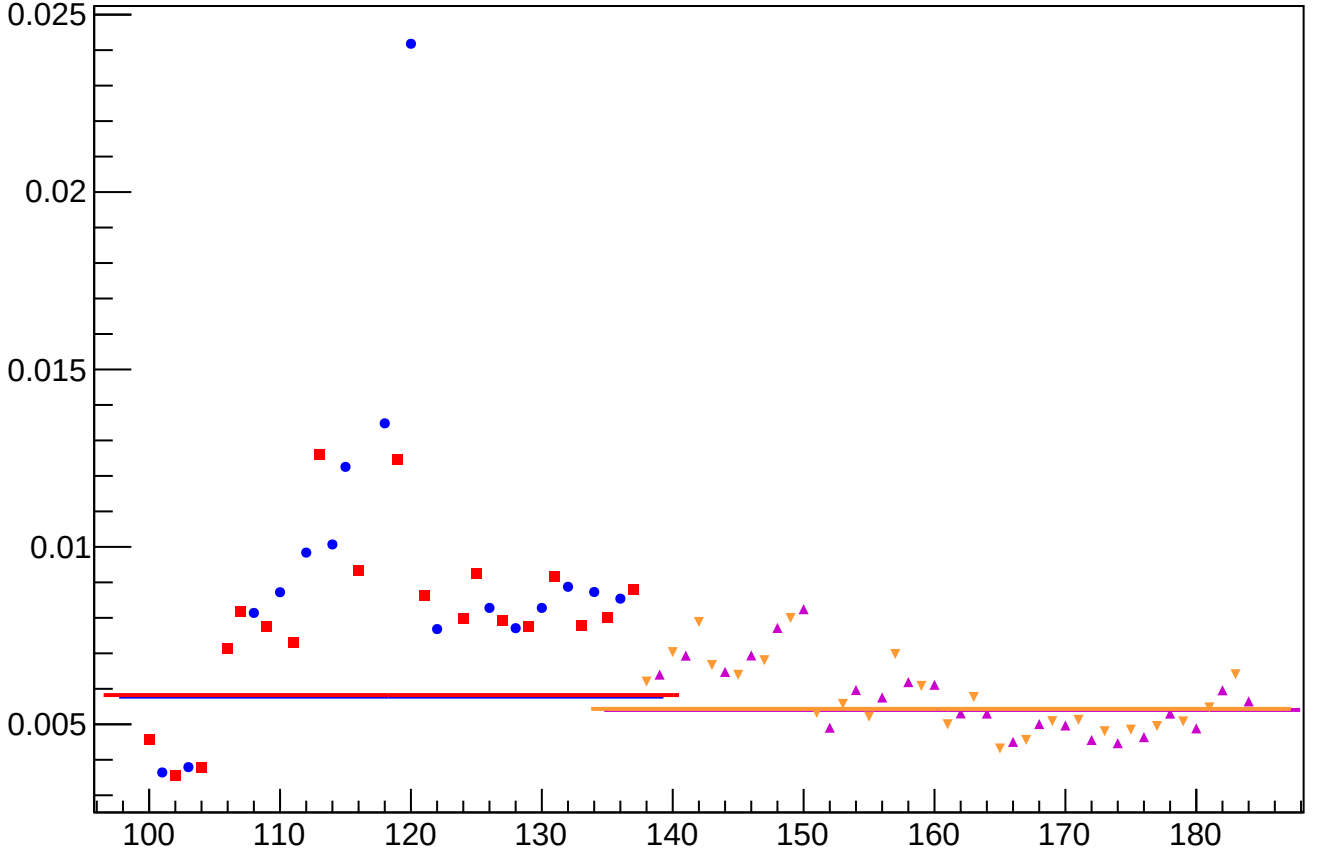
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.900+/-0.000 χ^2/NDF:402901227039.1/38

Out: 1.885+/-0.000 χ^2/NDF:438095707077.0/42

All: 1.893+/-0.000 χ^2/NDF: 841078548677.5

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:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1554916.3/46

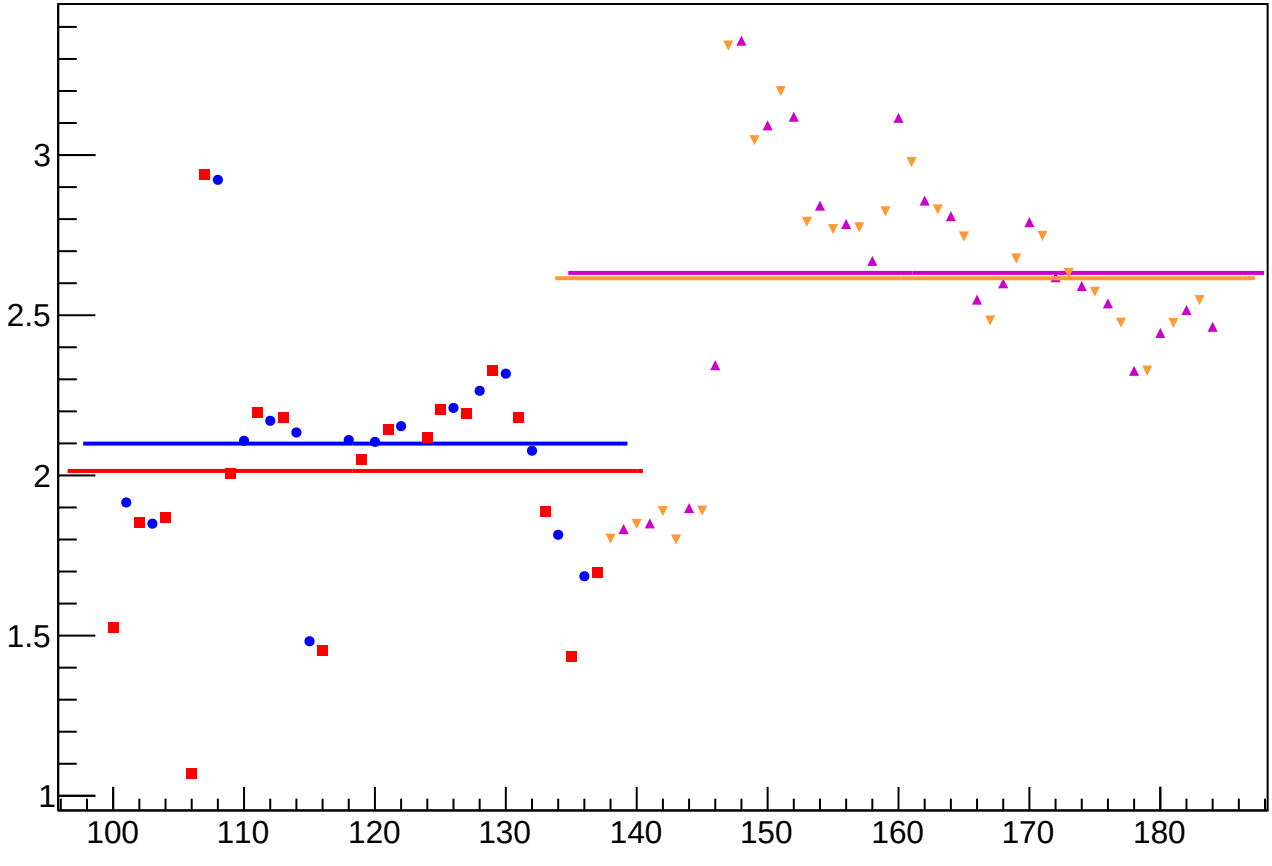
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.005+/-0.000 χ^2/NDF:3061977.4/38

Out: 0.006+/-0.000 χ^2/NDF:2732797.1/42

All: 0.006+/-0.000 χ^2/NDF: 5795658.5/81

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: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.624+/-0.000 χ^2/NDF: 86902879841.2/46

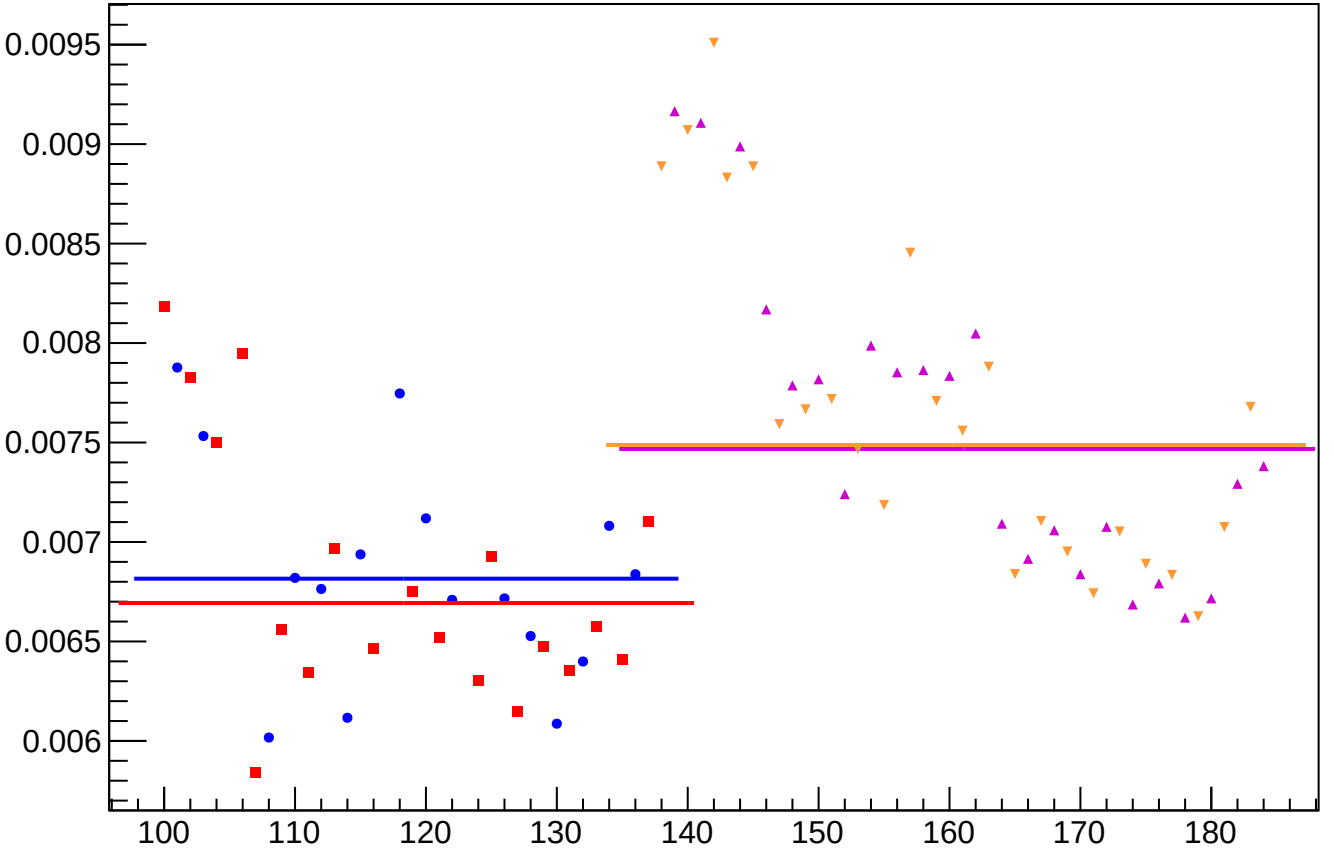
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.461+/-0.000 χ^2/NDF:82800610740.7/38

Out: 2.415+/-0.000 χ^2/NDF:104379313465.9/42

All: 2.437+/-0.000 χ^2/NDF: 187670865505.1

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:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 651792.2/46

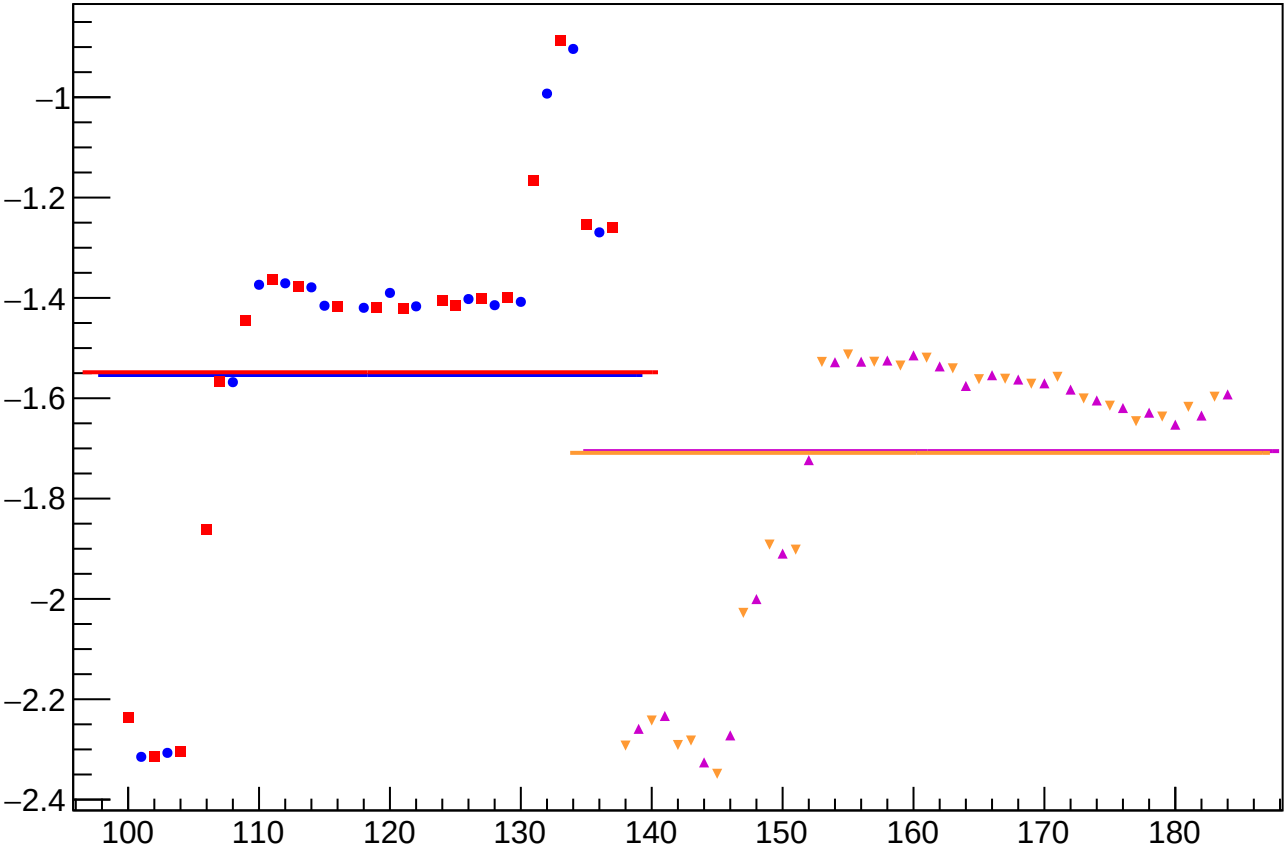
Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:493488.4/38

Out: 0.007+/-0.000 χ^2/NDF:551847.5/42

All: 0.007+/-0.000 χ^2/NDF: 1045905.6/81

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: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288046912190.1/46

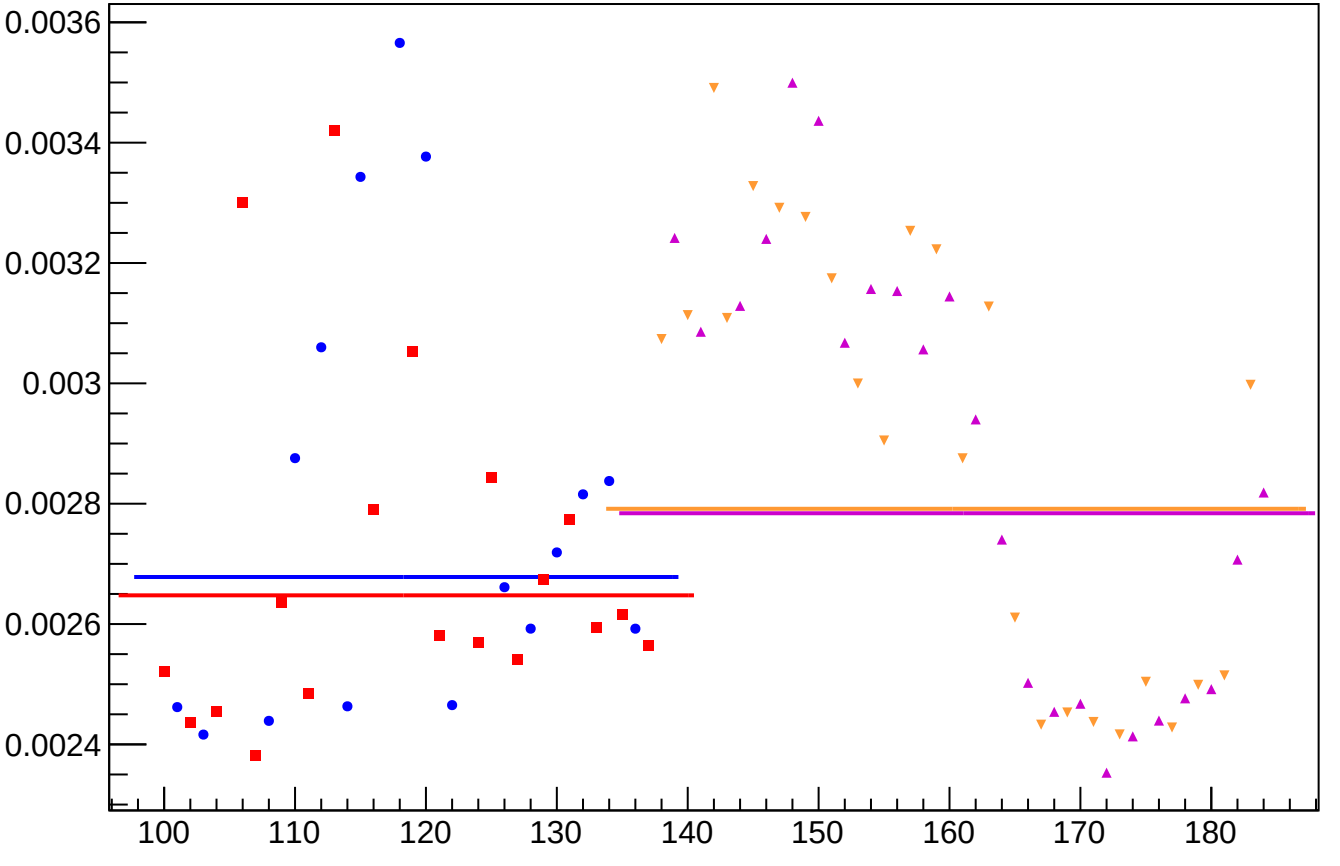
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.660+/-0.000 χ^2/NDF:326839669915.6/38

Out: -1.660+/-0.000 χ^2/NDF:344147069673.5/42

All: -1.660+/-0.000 χ^2/NDF: 670987101720.2

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:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1093856.8/46

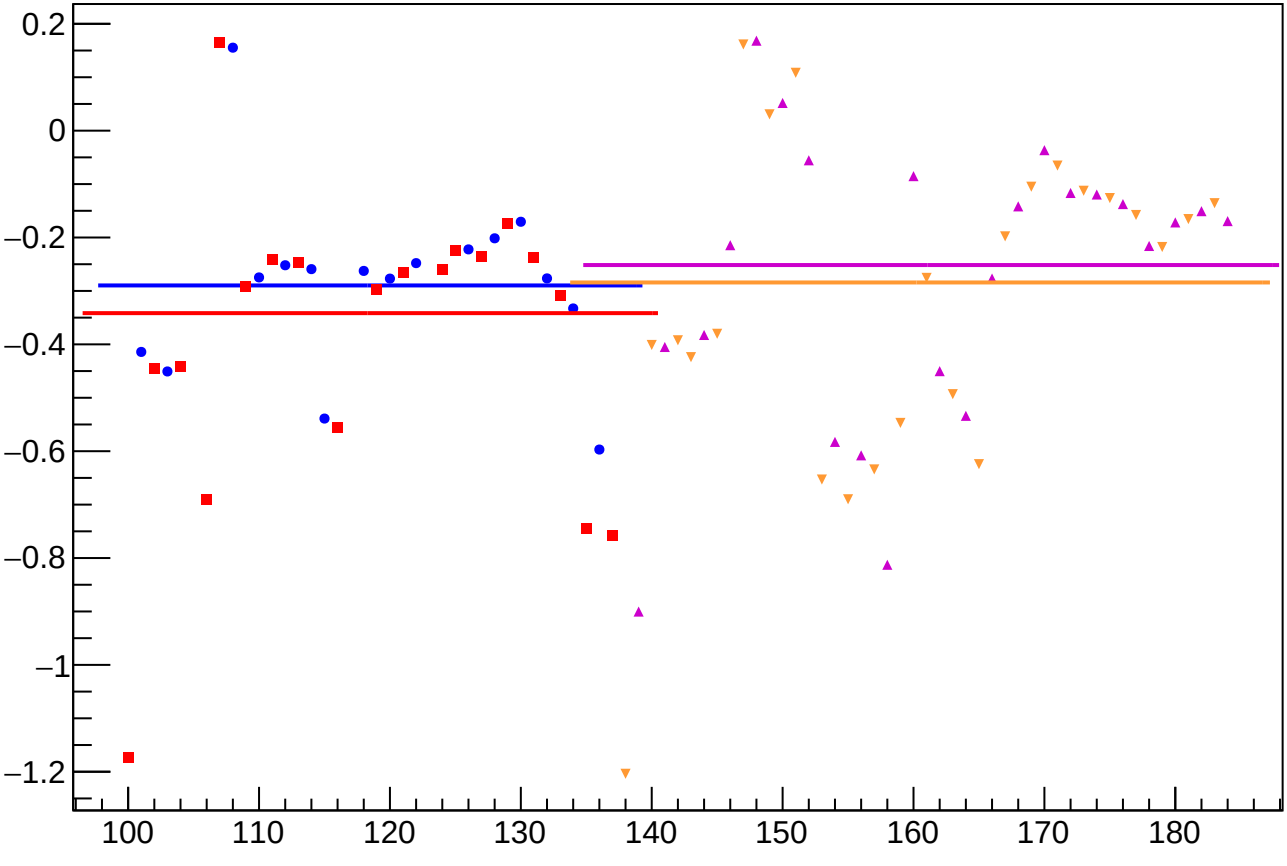
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:729735.8/38

Out: 0.003+/-0.000 χ^2/NDF:681503.5/42

All: 0.003+/-0.000 χ^2/NDF: 1411320.1/81

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: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.268+/-0.000 χ^2/NDF: 16554241737.6/46

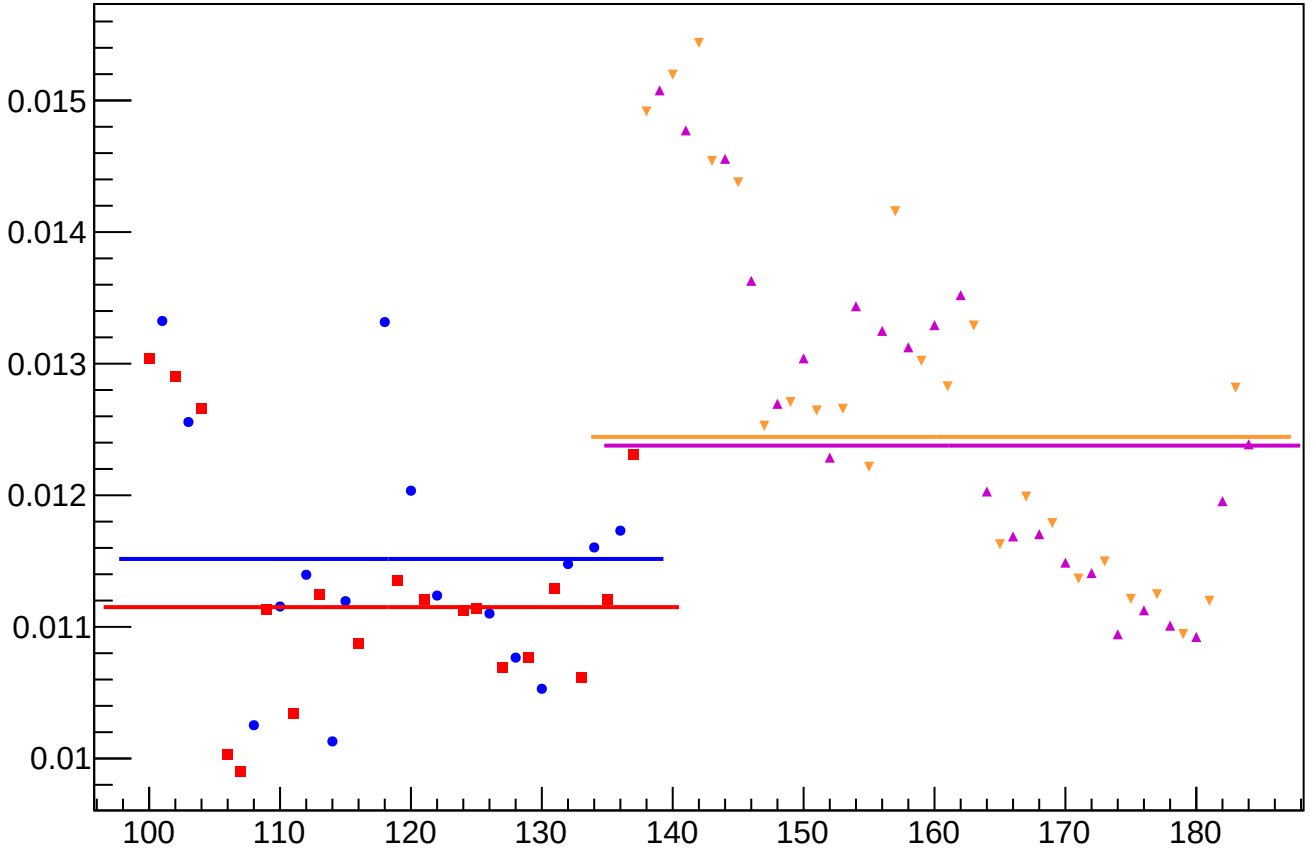
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.264+/-0.000 χ^2/NDF:8864518234.9/38

Out: -0.303+/-0.000 χ^2/NDF:12063287538.5/42

All: -0.284+/-0.000 χ^2/NDF: 21061780923.4/

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:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 666655.2/46

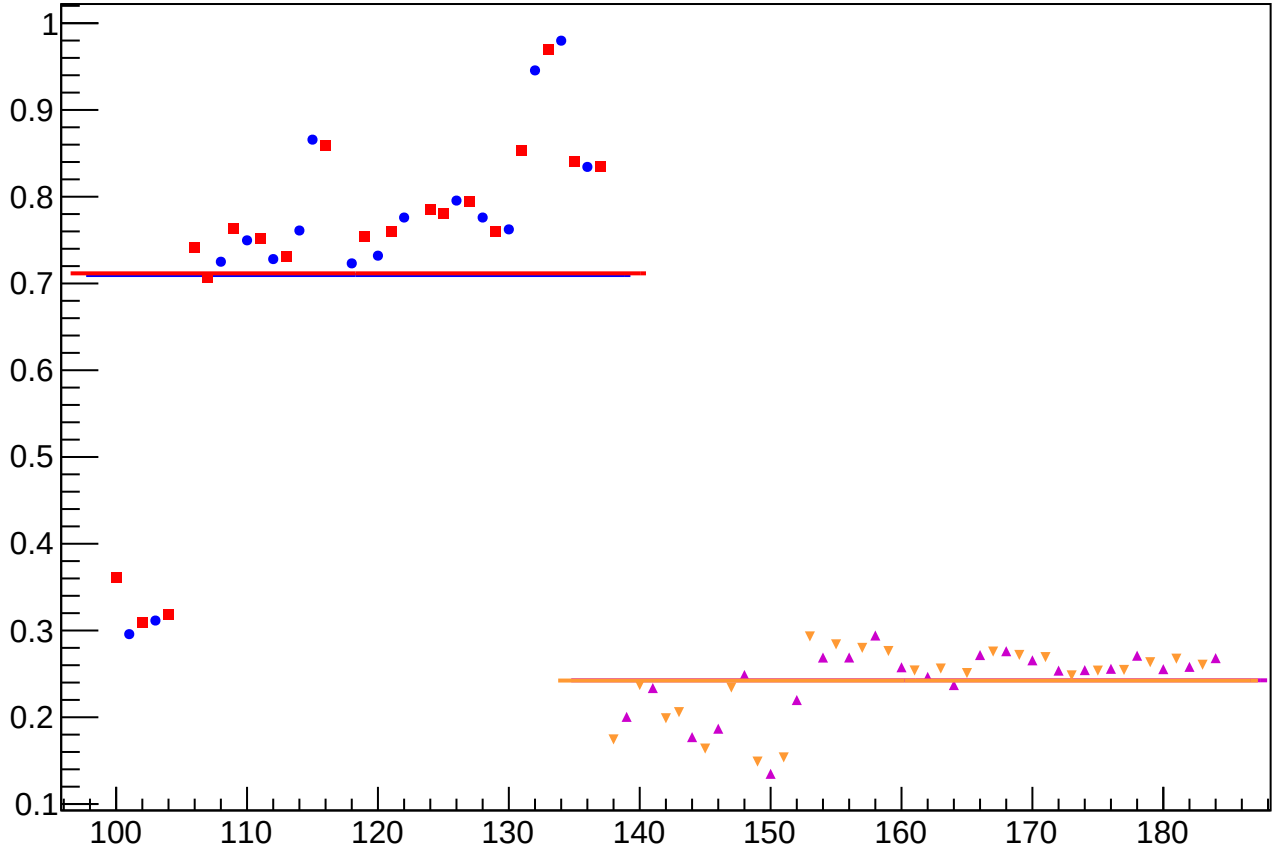
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:464115.5/38

Out: 0.012+/-0.000 χ^2/NDF:539773.8/42

All: 0.012+/-0.000 χ^2/NDF: 1005390.5/81

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: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.242+/-0.000 χ^2/NDF: 13011413547.2/46

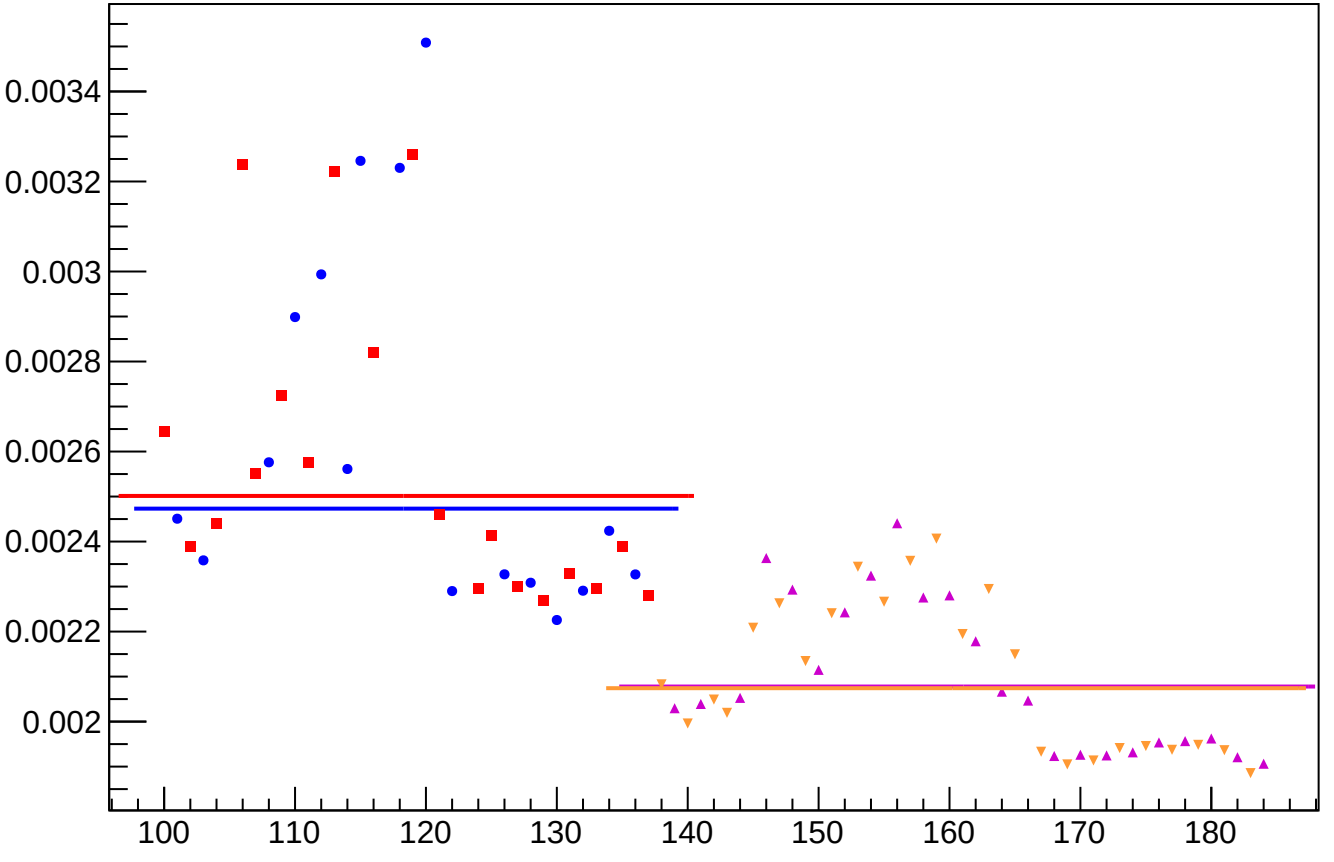
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.341+/-0.000 χ^2/NDF:246845893009.6/38

Out: 0.338+/-0.000 χ^2/NDF:248445617612.2/42

All: 0.339+/-0.000 χ^2/NDF: 495308547879.3

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:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 440622.5/46

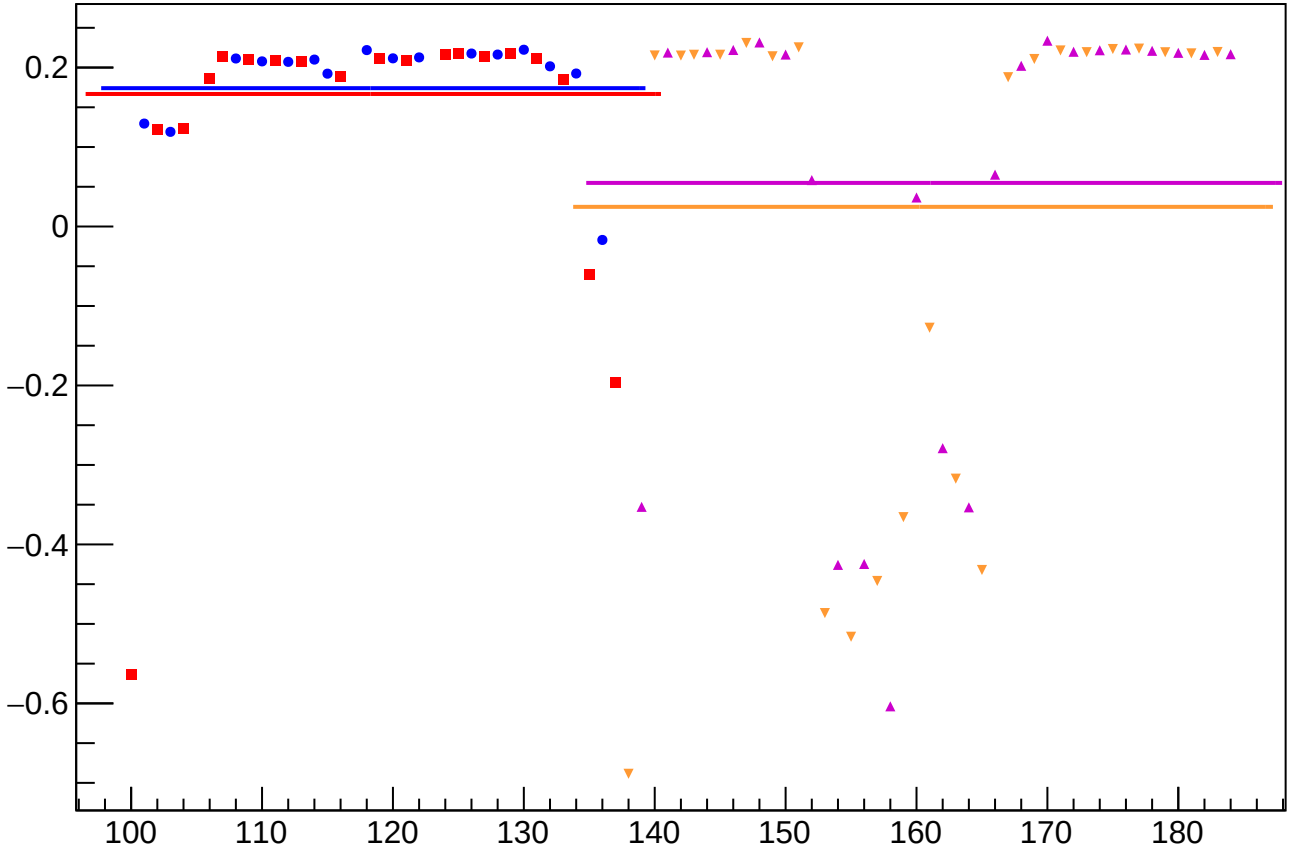
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:694721.3/38

Out: 0.002+/-0.000 χ^2/NDF:732882.8/42

All: 0.002+/-0.000 χ^2/NDF: 1427605.7/81

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: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.040+/-0.000 χ^2/NDF: 22678695181.2/46

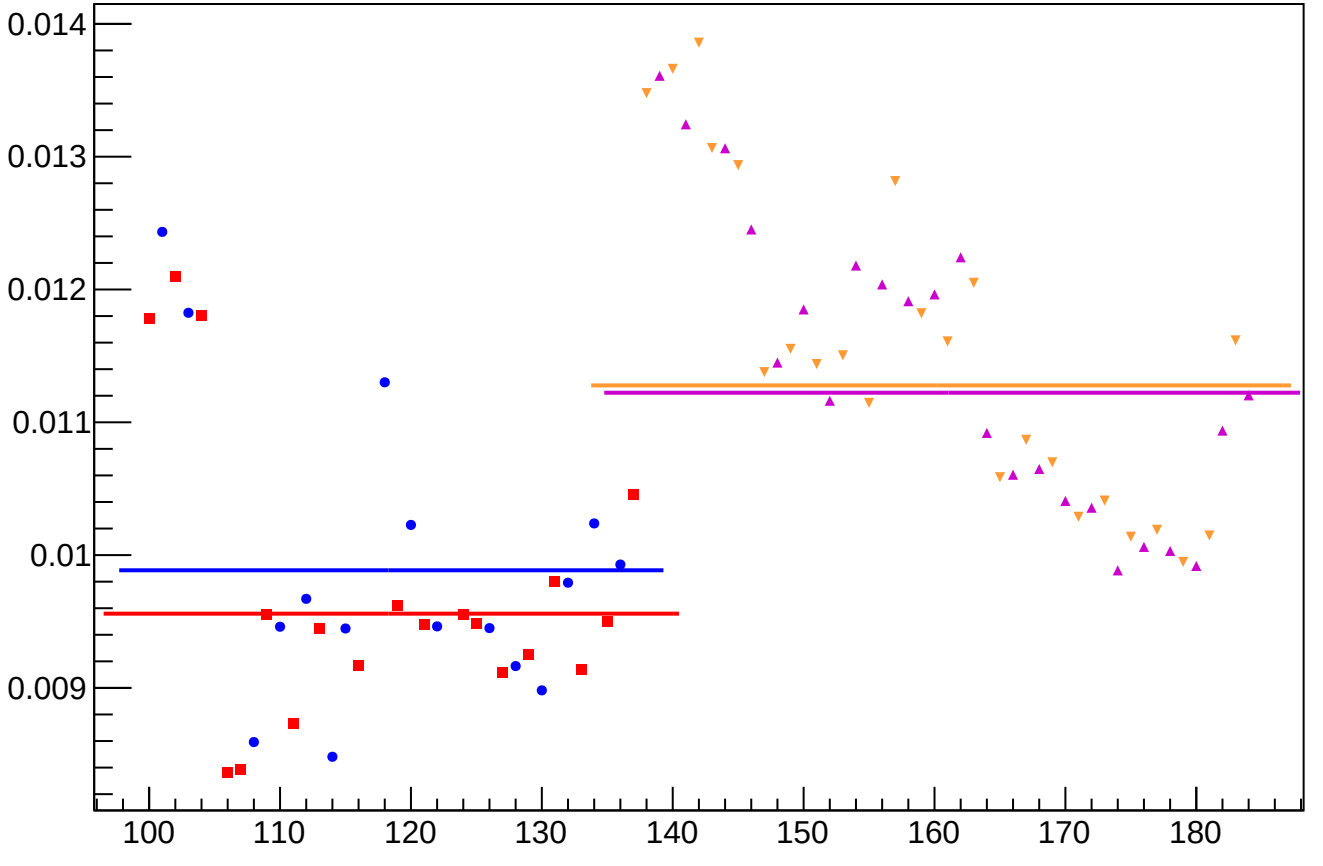
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.095+/-0.000 χ^2/NDF:10766609487.7/38

Out: 0.075+/-0.000 χ^2/NDF:14826970777.2/42

All: 0.085+/-0.000 χ^2/NDF: 25635016090.0/8

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:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 641995.6/46

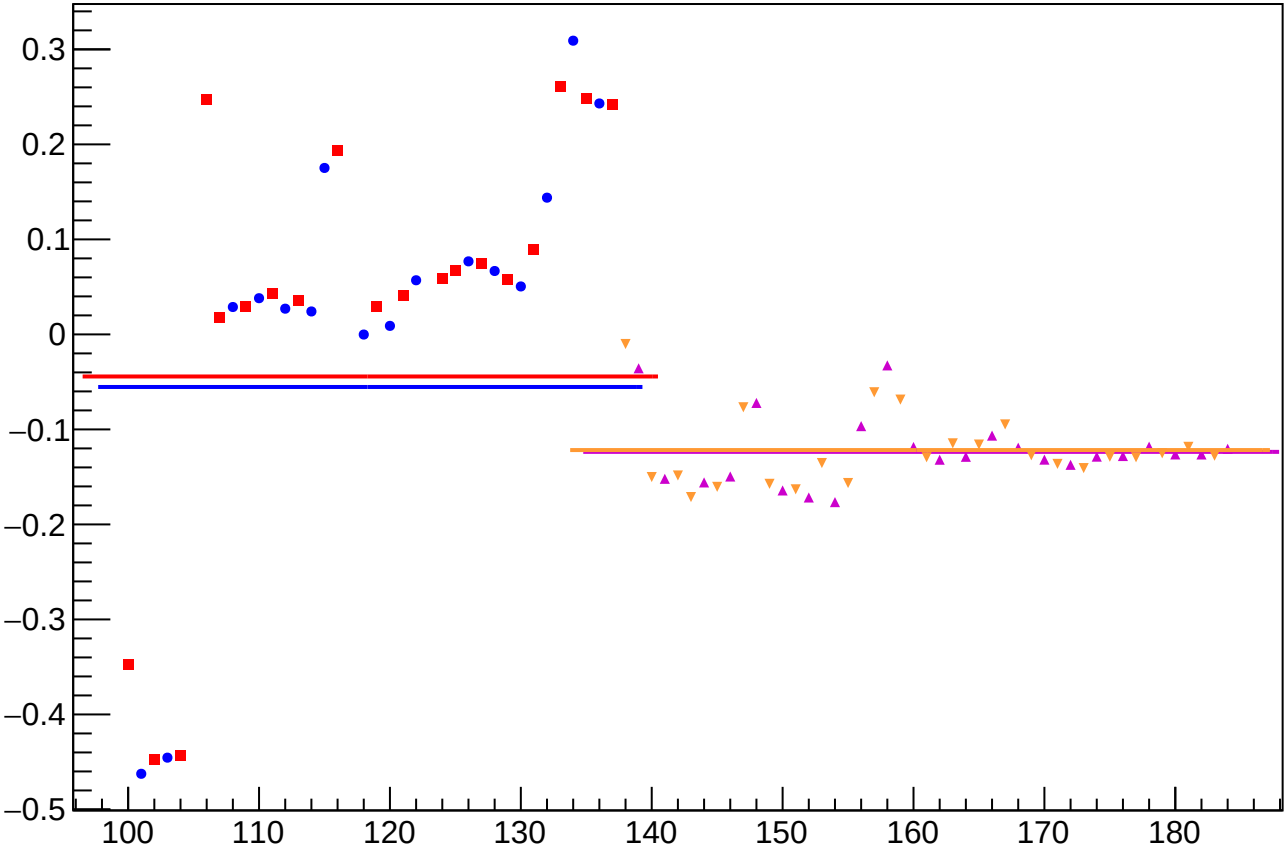
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:630008.6/38

Out: 0.011+/-0.000 χ^2/NDF:761854.5/42

All: 0.011+/-0.000 χ^2/NDF: 1394317.1/81

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:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736189880.6/46

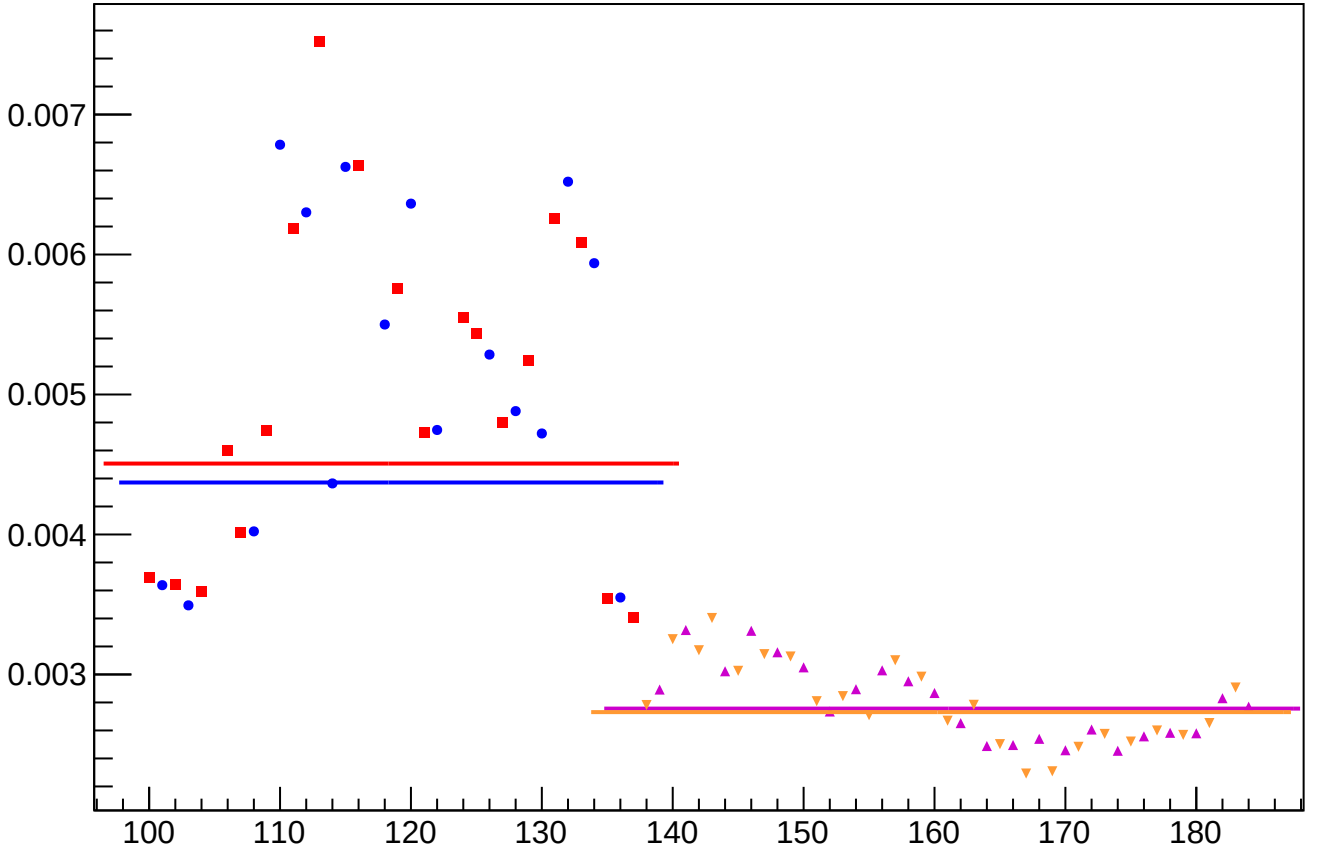
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.115+/-0.000 χ^2/NDF:28198195341.7/38

Out: -0.113+/-0.000 χ^2/NDF:26729705485.8/42

All: -0.114+/-0.000 χ^2/NDF: 54935626721.7/

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:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 684875.3/46

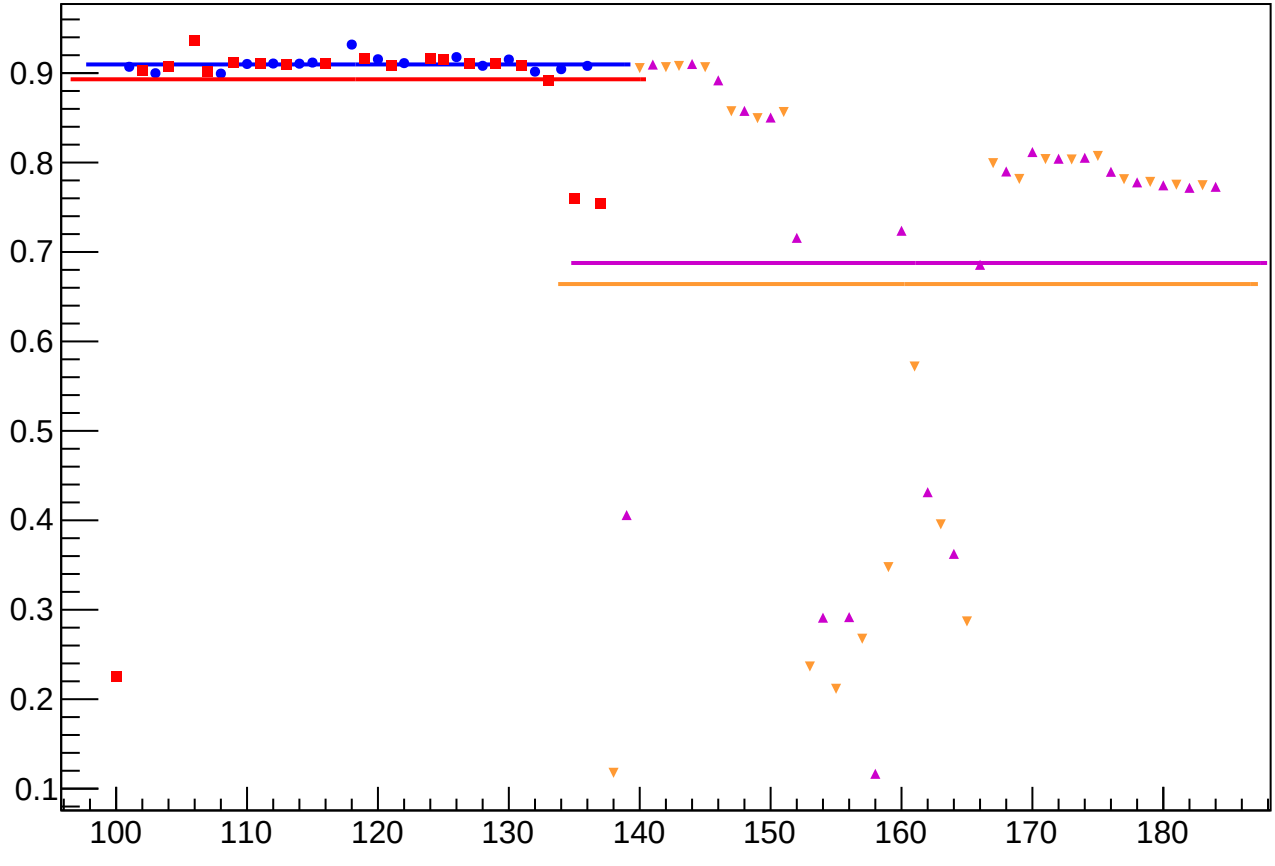
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:2415223.5/38

Out: 0.003+/-0.000 χ^2/NDF:2851315.2/42

All: 0.003+/-0.000 χ^2/NDF: 5267552.2/81

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: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16230962881.7/46

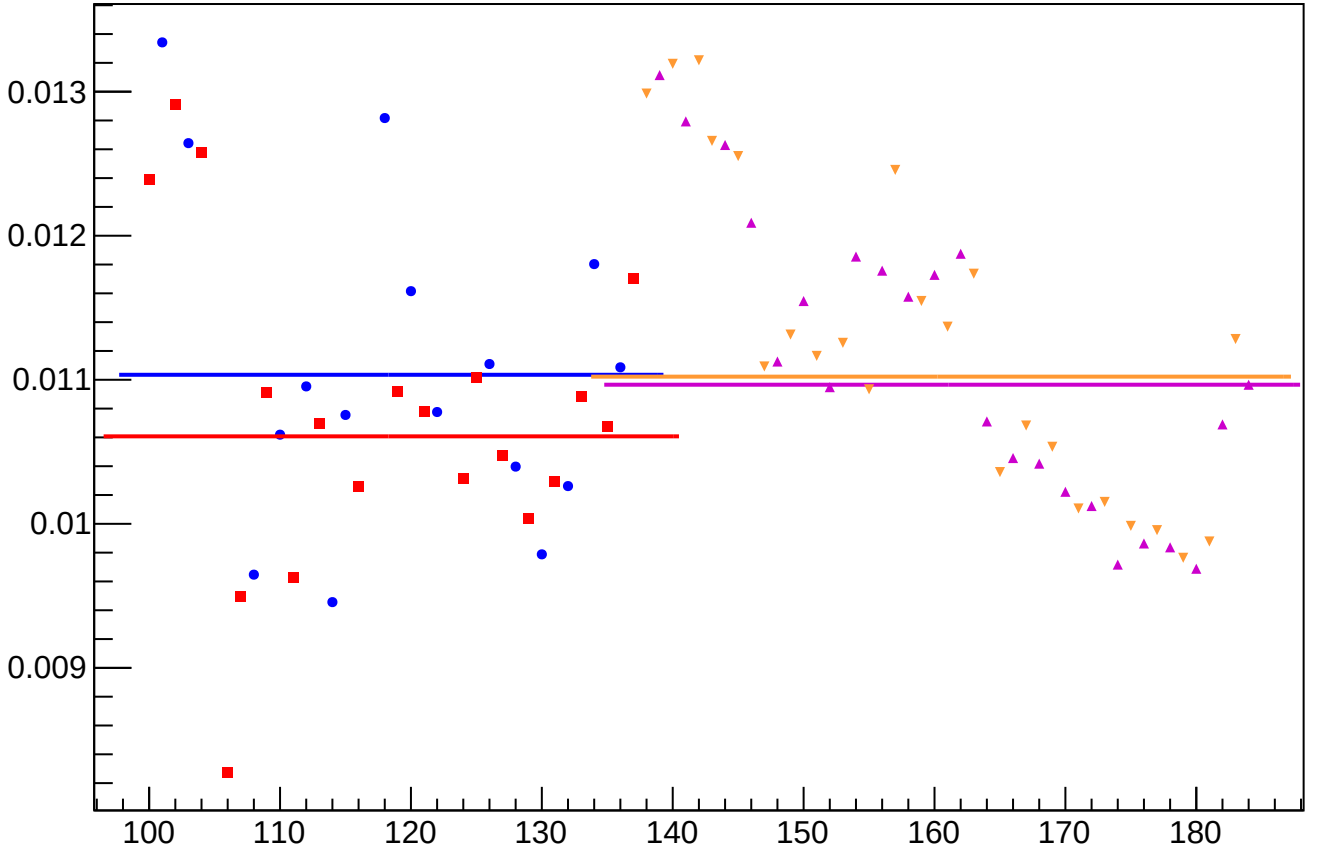
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.750+/-0.000 χ^2/NDF:9003282872.7/38

Out: 0.733+/-0.000 χ^2/NDF:11868688256.6/42

All: 0.741+/-0.000 χ^2/NDF: 20902061816.4/8

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:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 586068.5/46

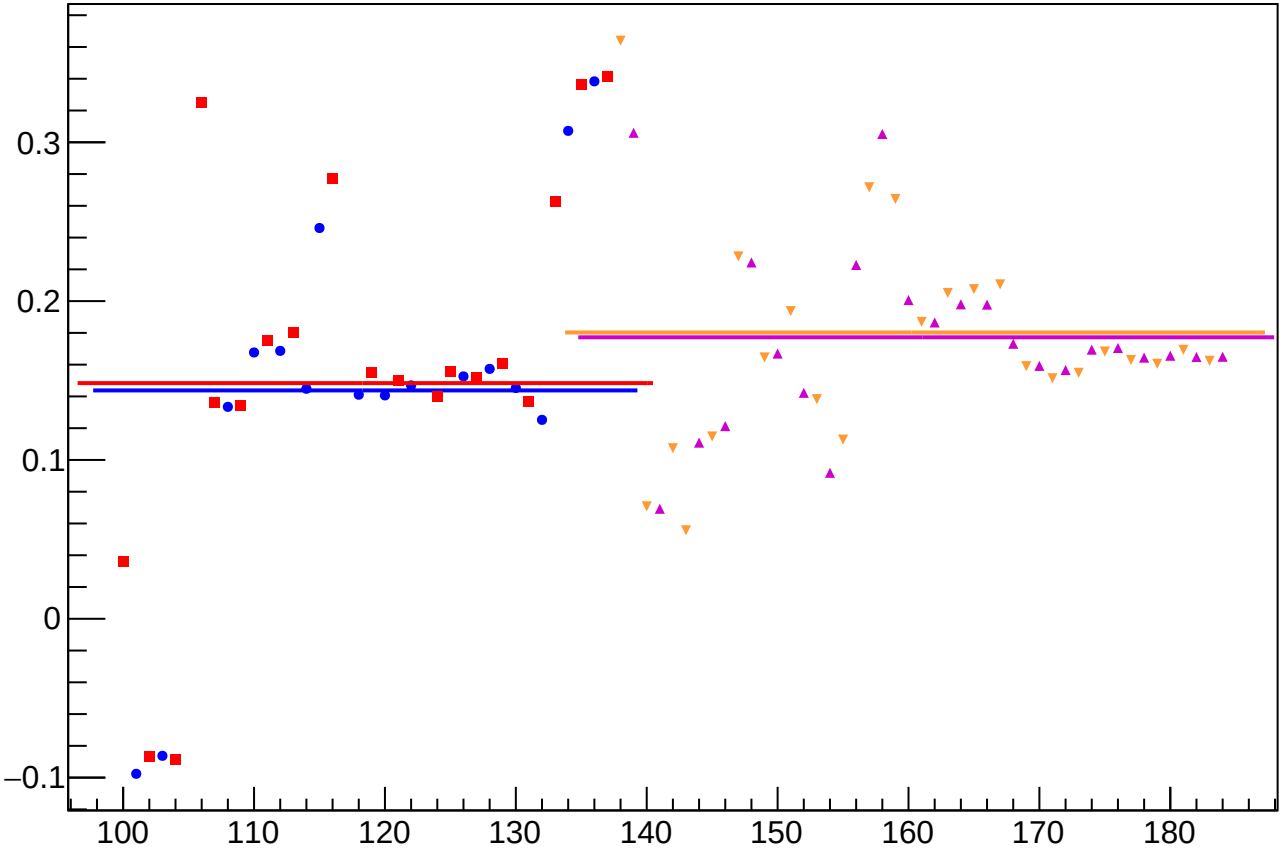
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:418389.1/38

Out: 0.011+/-0.000 χ^2/NDF:457306.2/42

All: 0.011+/-0.000 χ^2/NDF: 877283.8/81

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:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11073671851.6/46

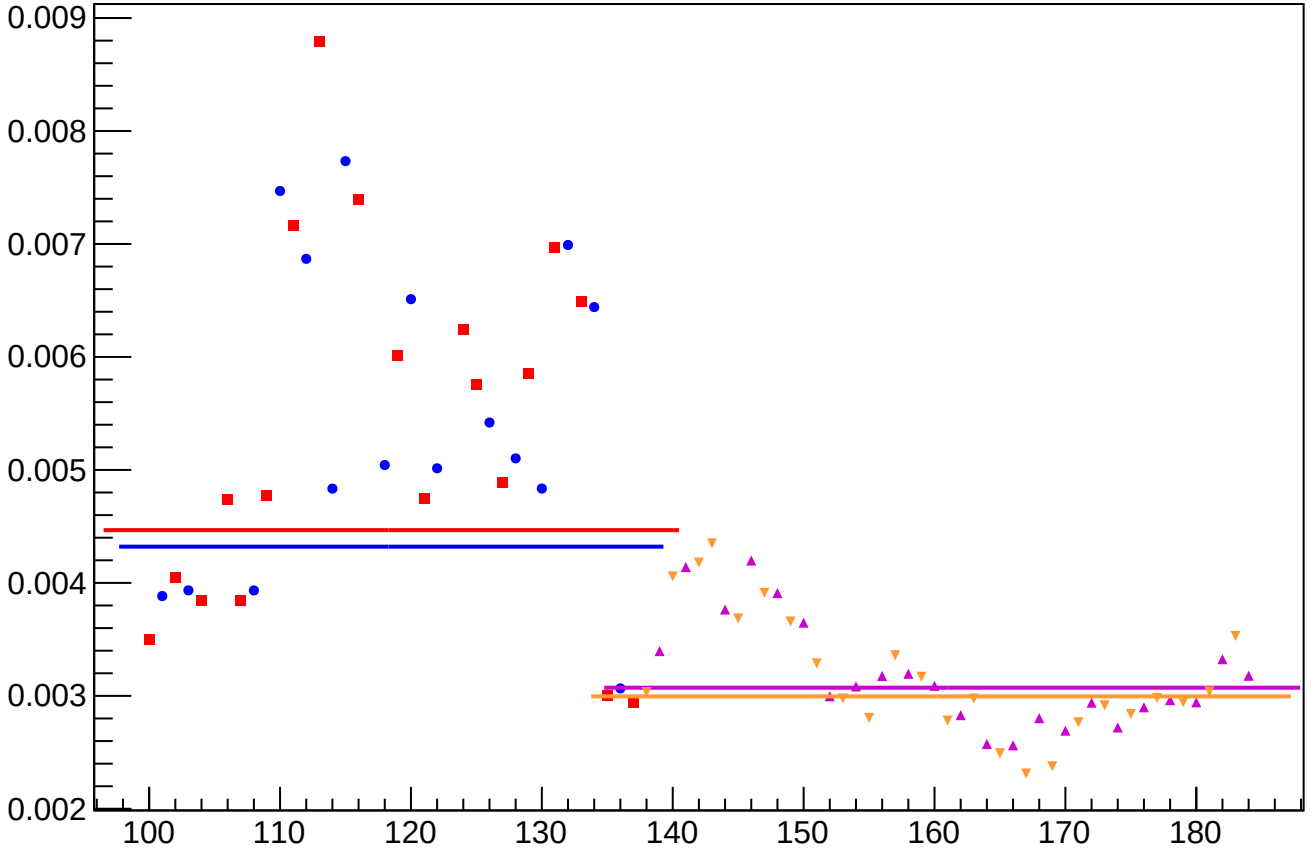
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.172+/-0.000 χ^2/NDF:12780431192.8/38

Out: 0.176+/-0.000 χ^2/NDF:13835037456.9/42

All: 0.174+/-0.000 χ^2/NDF: 26630618617.8/8

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:587459.6/22

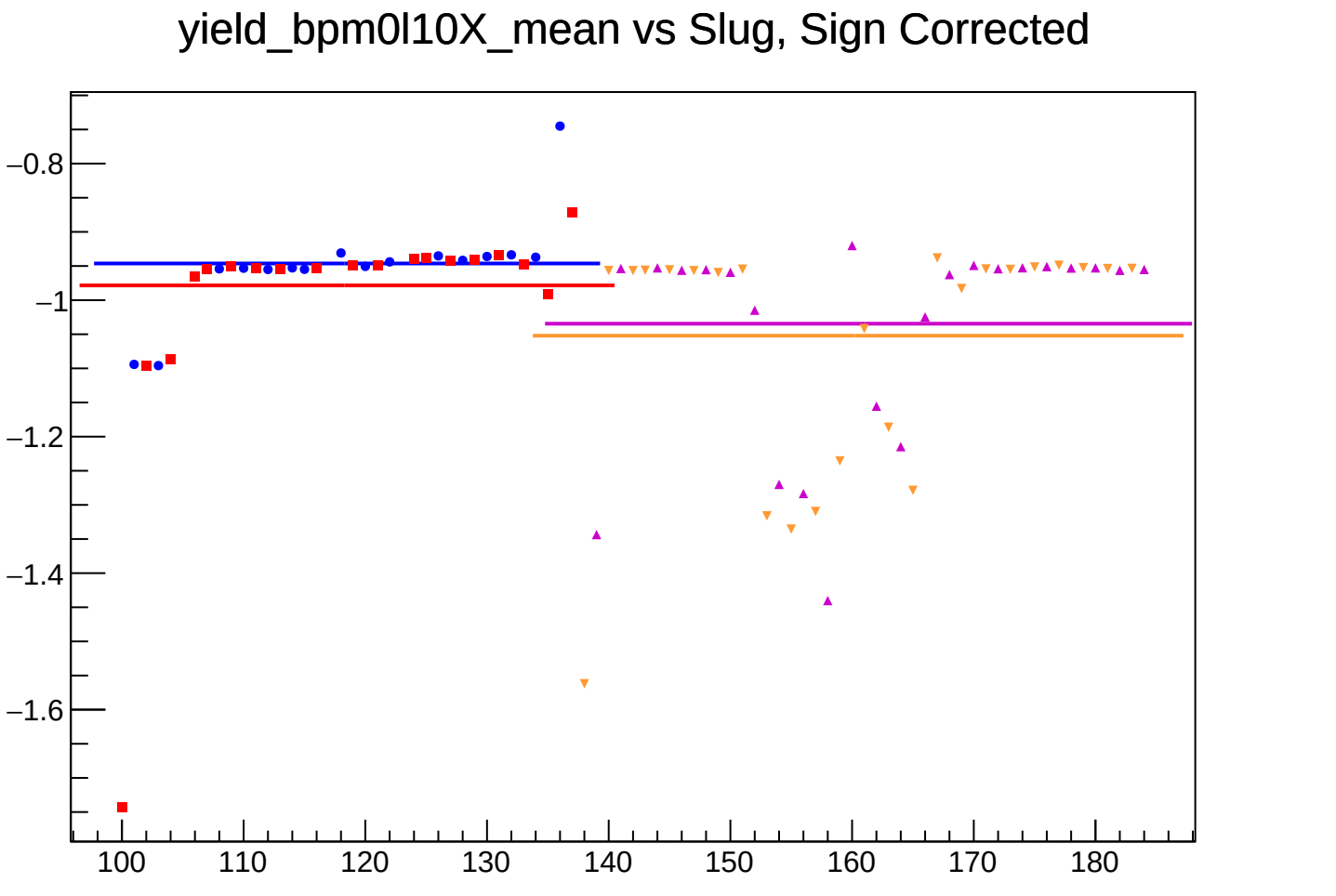
Left: 0.003+/-0.000 χ^2/NDF: 1475135.7/46

Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

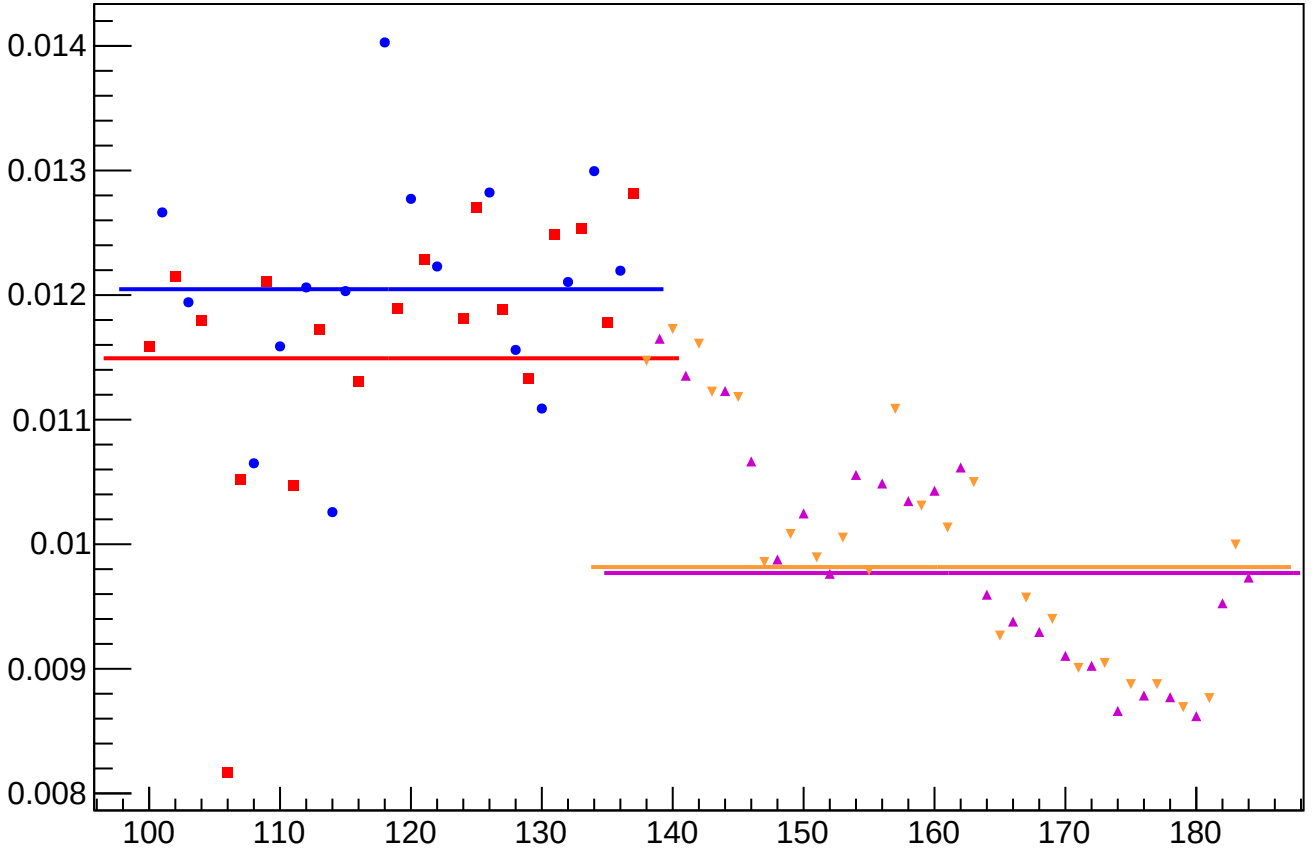
In: 0.003+/-0.000 χ^2/NDF:2280890.4/38

Out: 0.003+/-0.000 χ^2/NDF:3079294.7/42

All: 0.003+/-0.000 χ^2/NDF: 5369390.7/81


yield_bpm0l10X_mean vs Slug, Sign Corrected
−0.8
−1
−1.2
−1.4
−1.6
100
110
120
130
140
150
160
170
180
Right In: -0.946+/-0.000 χ²/NDF: 404509465.5/15
Left Out: -1.052+/-0.000 χ²/NDF:5059116039.8/23
Right Out: -0.978+/-0.000 χ²/NDF: 461081476.3/18
Left In: -1.035+/-0.000 χ²/NDF:3925761523.9/22
Left: -1.043+/-0.000 χ²/NDF: 9013578639.0/46
Right: -0.963+/-0.000 χ²/NDF: 891693396.9/34
In: -1.016+/-0.000 χ²/NDF:4623313193.9/38
Out: -1.036+/-0.000 χ²/NDF:5748707218.5/42
All: -1.026+/-0.000 χ²/NDF: 10415843172.1/

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:281817.4/22

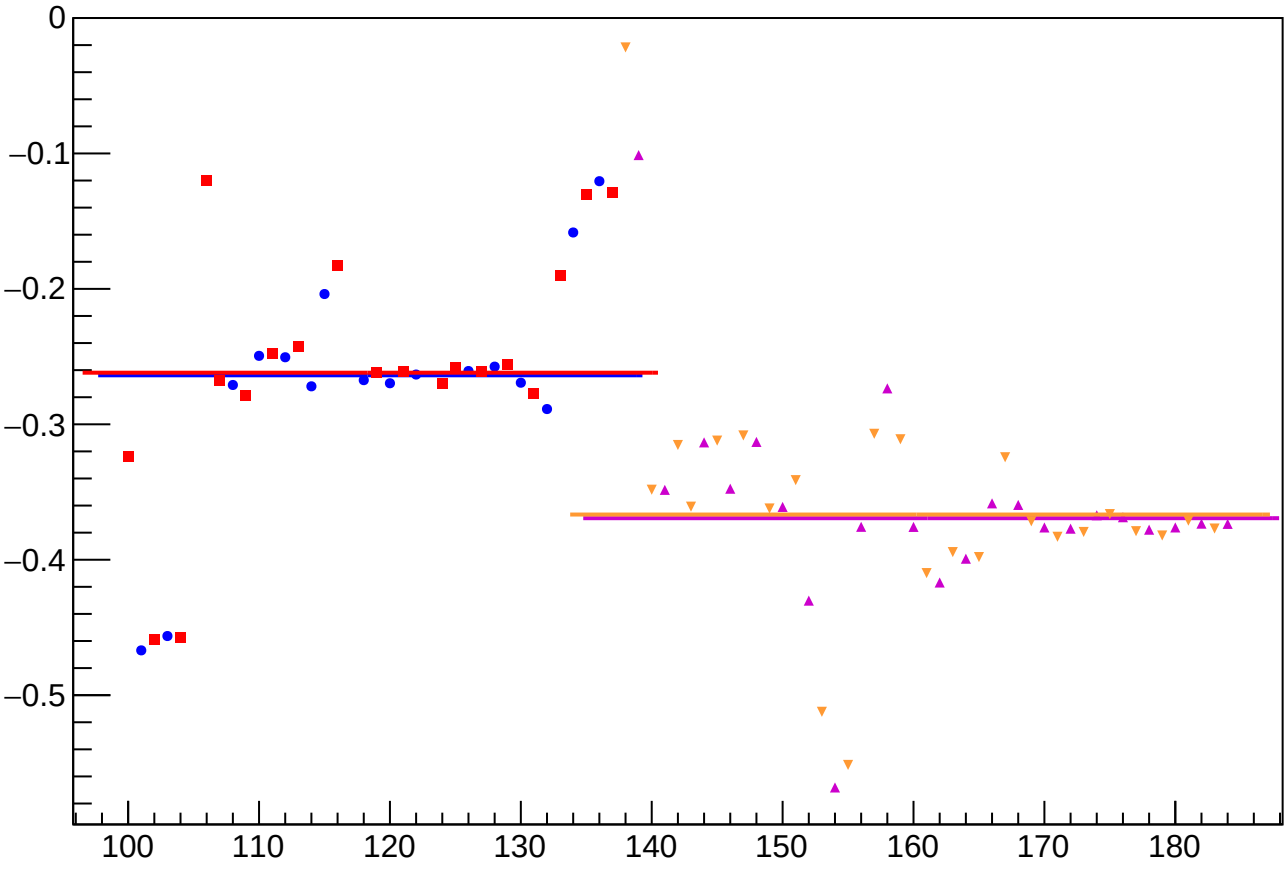
Left: 0.010+/-0.000 χ^2/NDF: 574900.0/46

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.010+/-0.000 χ^2/NDF:735089.5/38

Out: 0.010+/-0.000 χ^2/NDF:680722.3/42

All: 0.010+/-0.000 χ^2/NDF: 1416308.4/81



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:7581323027.3/22

Left: -0.368+/-0.000 χ^2/NDF: 19531198350.9/46

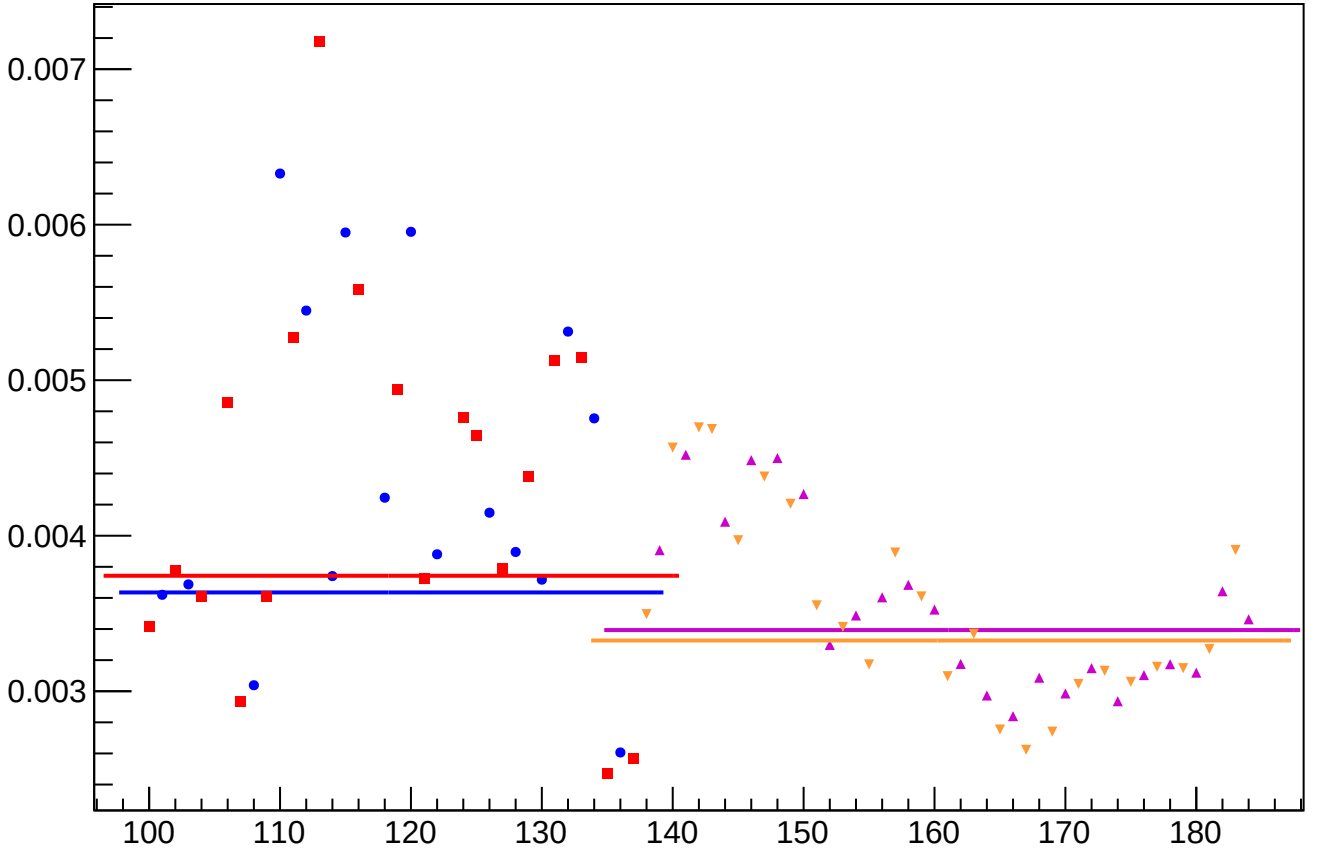
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.345+/-0.000 χ^2/NDF:17417447990.6/38

Out: -0.344+/-0.000 χ^2/NDF:20893267928.0/42

All: -0.344+/-0.000 χ^2/NDF: 38311229502.2/

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:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1483380.0/46

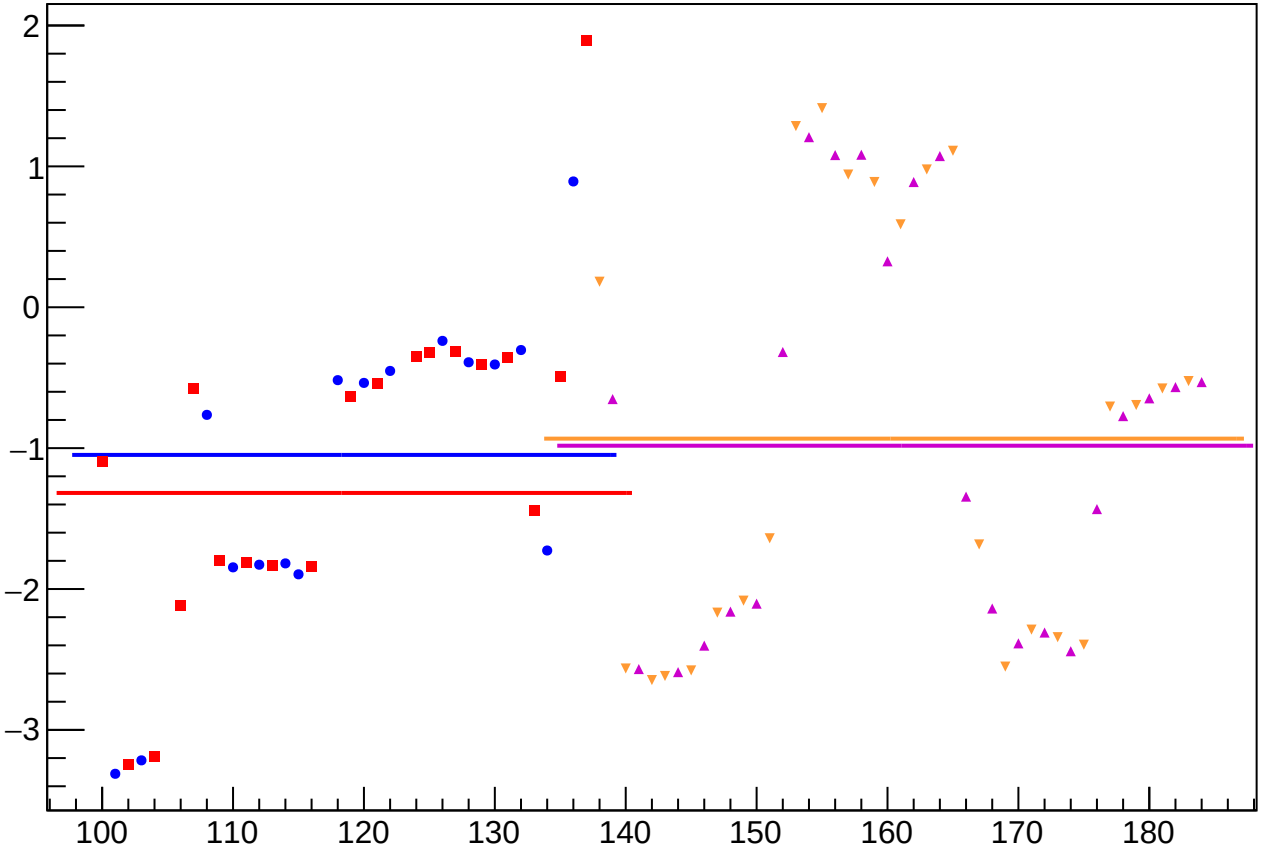
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.003+/-0.000 χ^2/NDF:1401415.8/38

Out: 0.003+/-0.000 χ^2/NDF:1854077.9/42

All: 0.003+/-0.000 χ^2/NDF: 3257688.6/81

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: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.957+/-0.000 χ^2/NDF: 13164418364.5/46

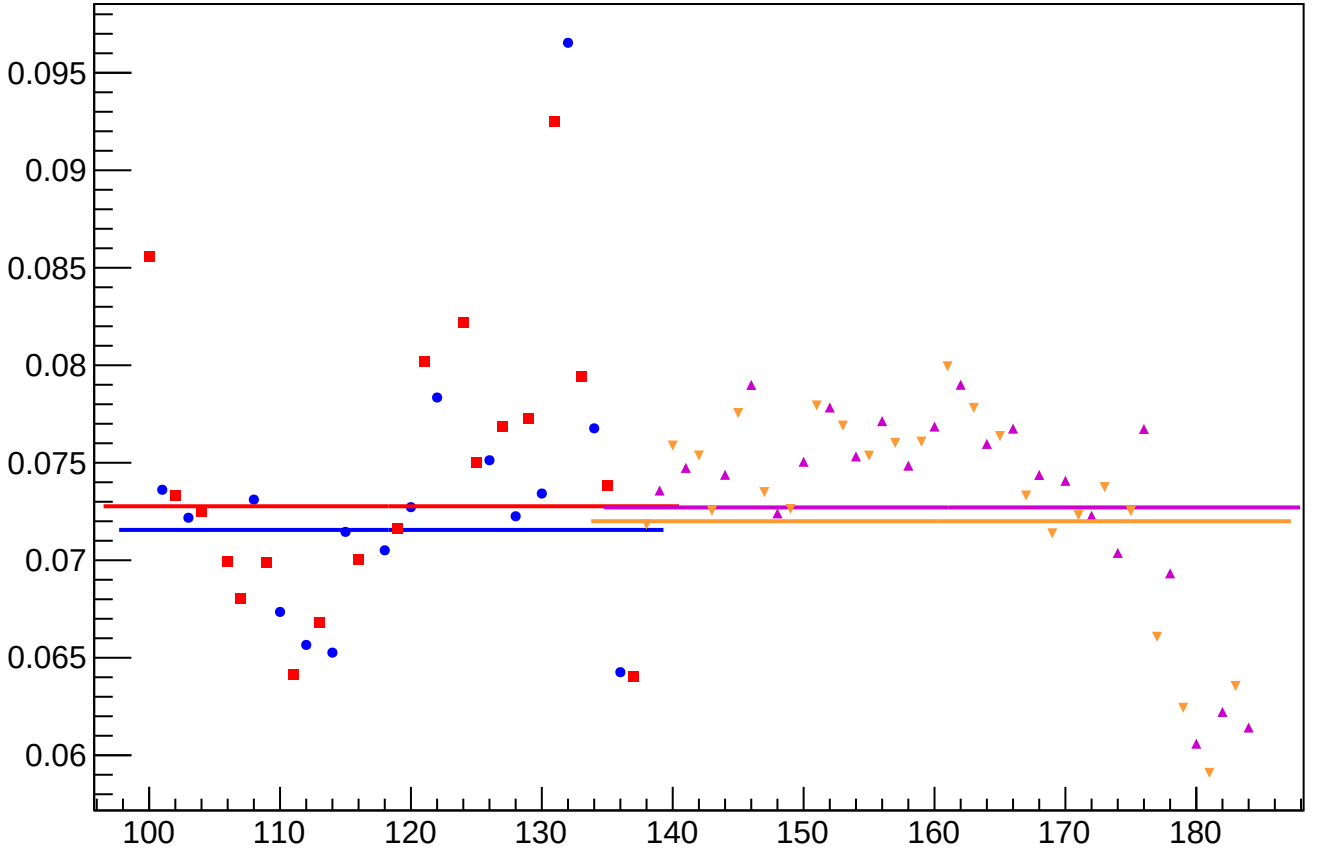
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.002+/-0.000 χ^2/NDF:8270154895.3/38

Out: -1.039+/-0.000 χ^2/NDF:9236806233.5/42

All: -1.020+/-0.000 χ^2/NDF: 17510294517.2/

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:197009.2/22

Left: 0.072+/-0.000 χ^2/NDF: 431991.9/46

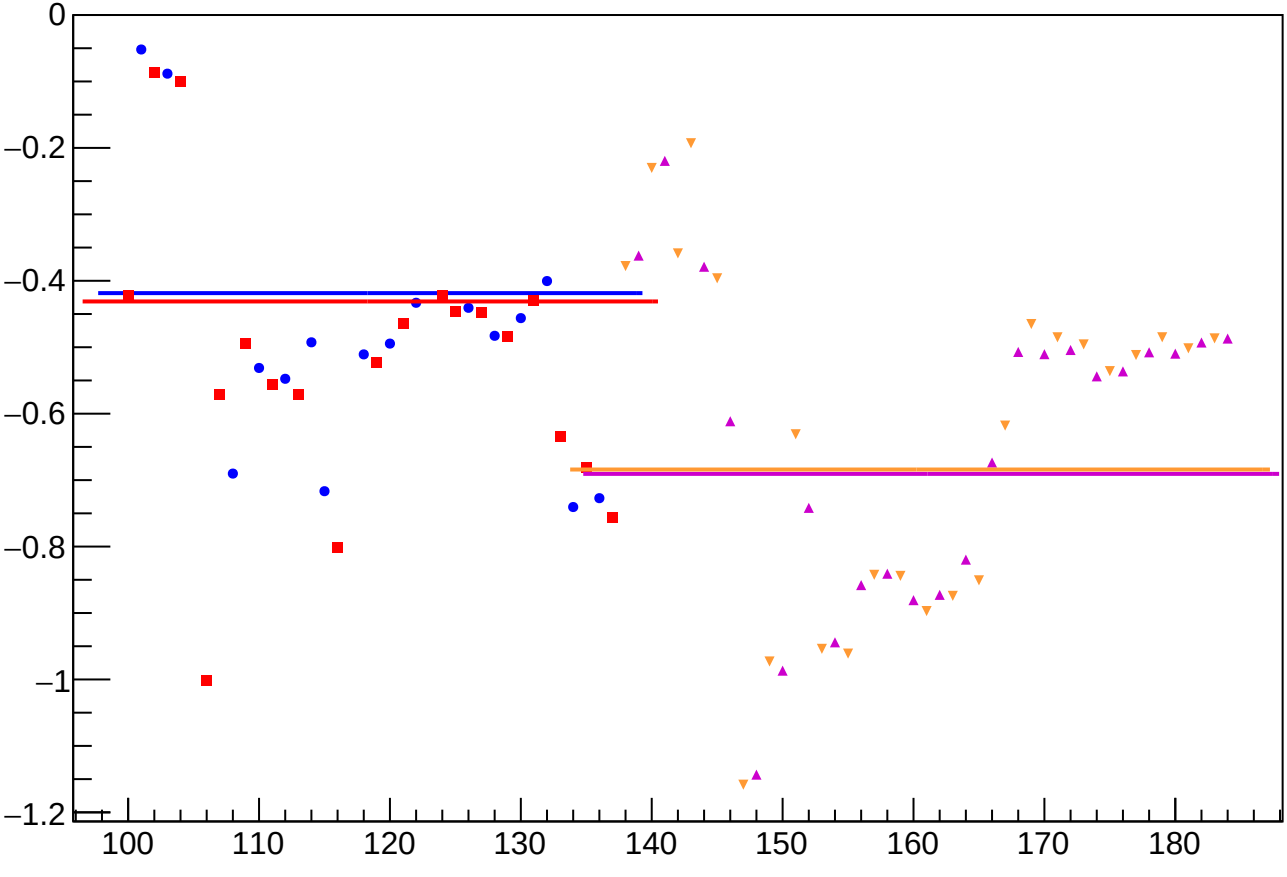
Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.072+/-0.000 χ^2/NDF:300840.3/38

Out: 0.072+/-0.000 χ^2/NDF:331278.0/42

All: 0.072+/-0.000 χ^2/NDF: 632250.2/81

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: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.687+/-0.000 χ^2/NDF: 38556102864.2/46

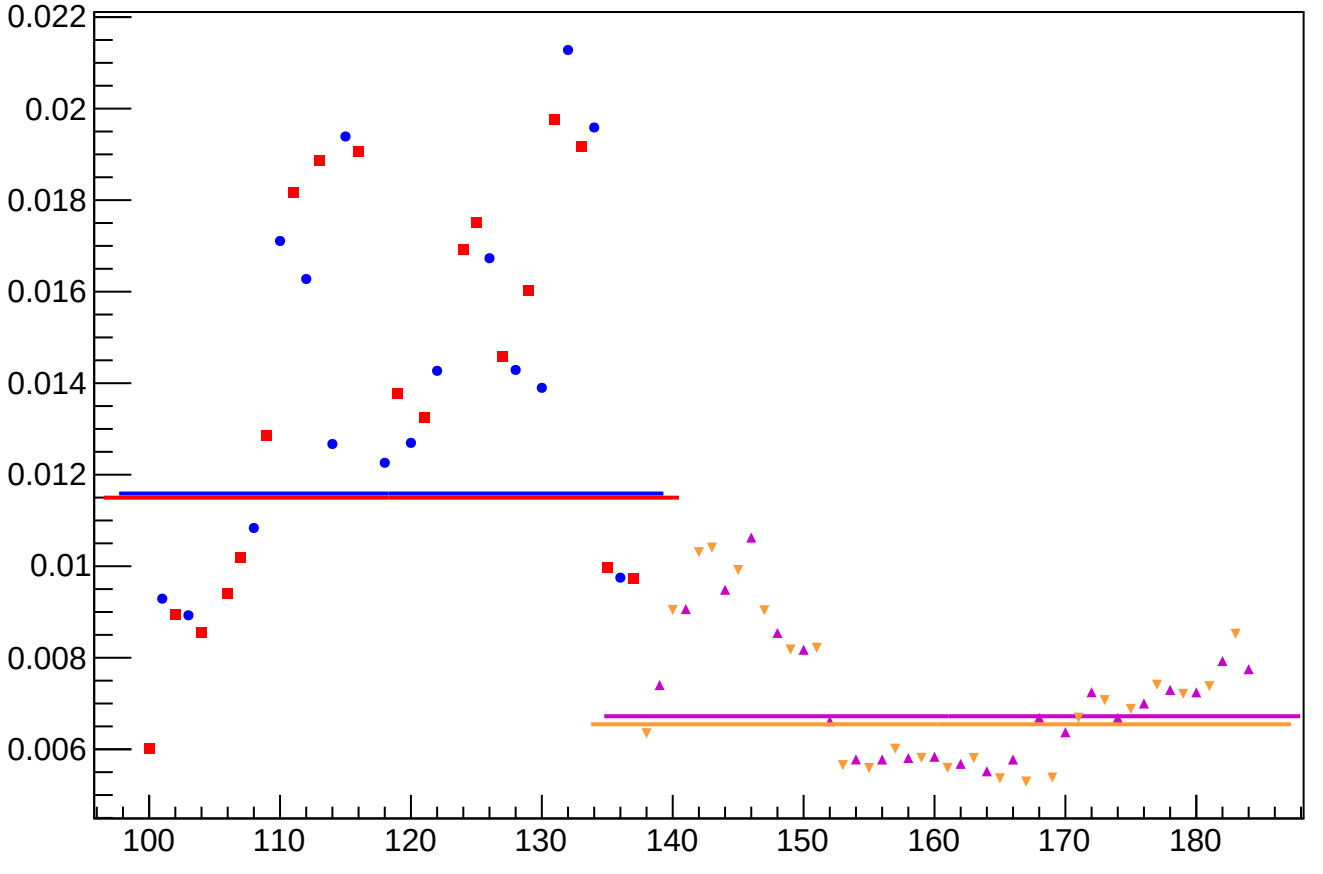
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.661+/-0.000 χ^2/NDF:22872434491.7/38

Out: -0.658+/-0.000 χ^2/NDF:27489547957.6/42

All: -0.660+/-0.000 χ^2/NDF: 50363833119.6/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:1386515.4/23

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2359202.6/46

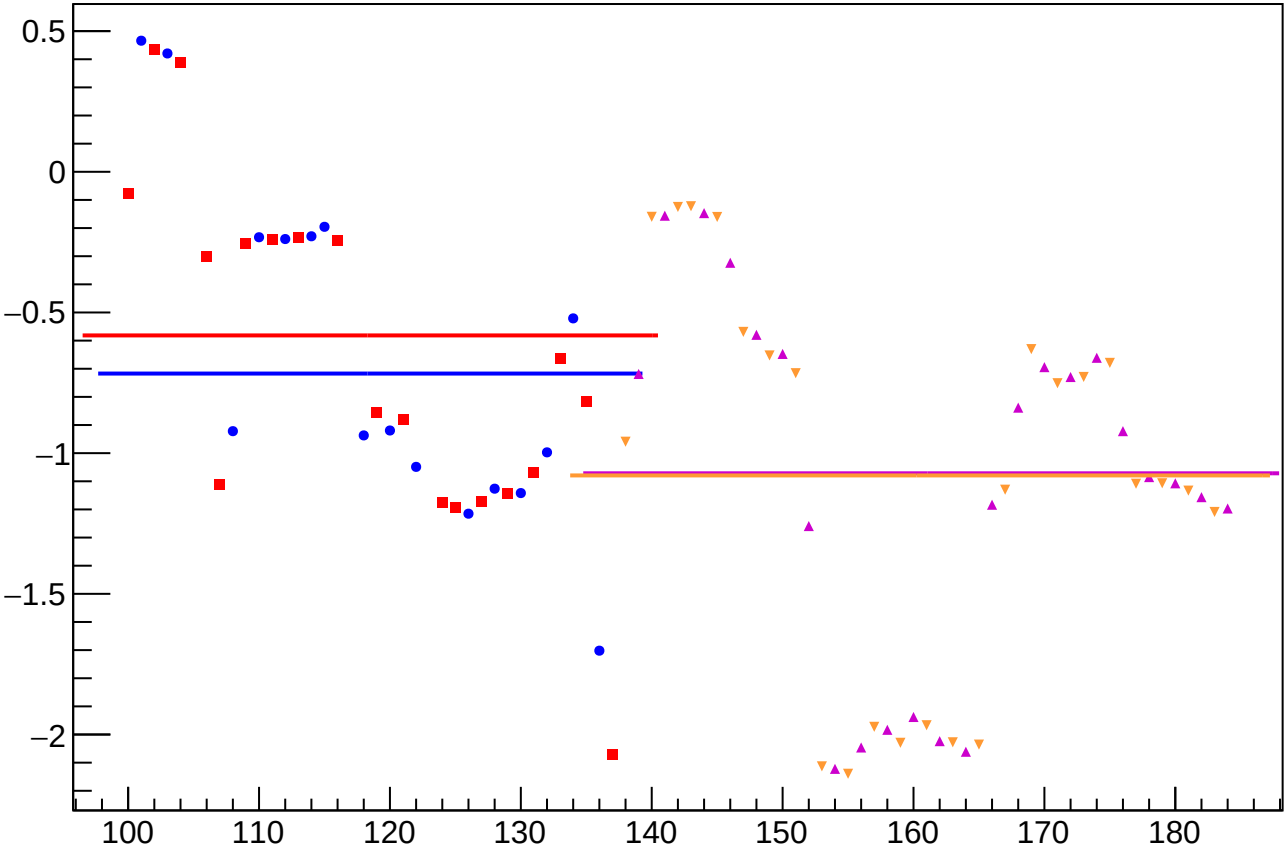
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3624047.1/38

Out: 0.007+/-0.000 χ^2/NDF:4554794.1/42

All: 0.007+/-0.000 χ^2/NDF: 8195676.2/81

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: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.075+/-0.000 χ^2/NDF: 2127386949.4/46

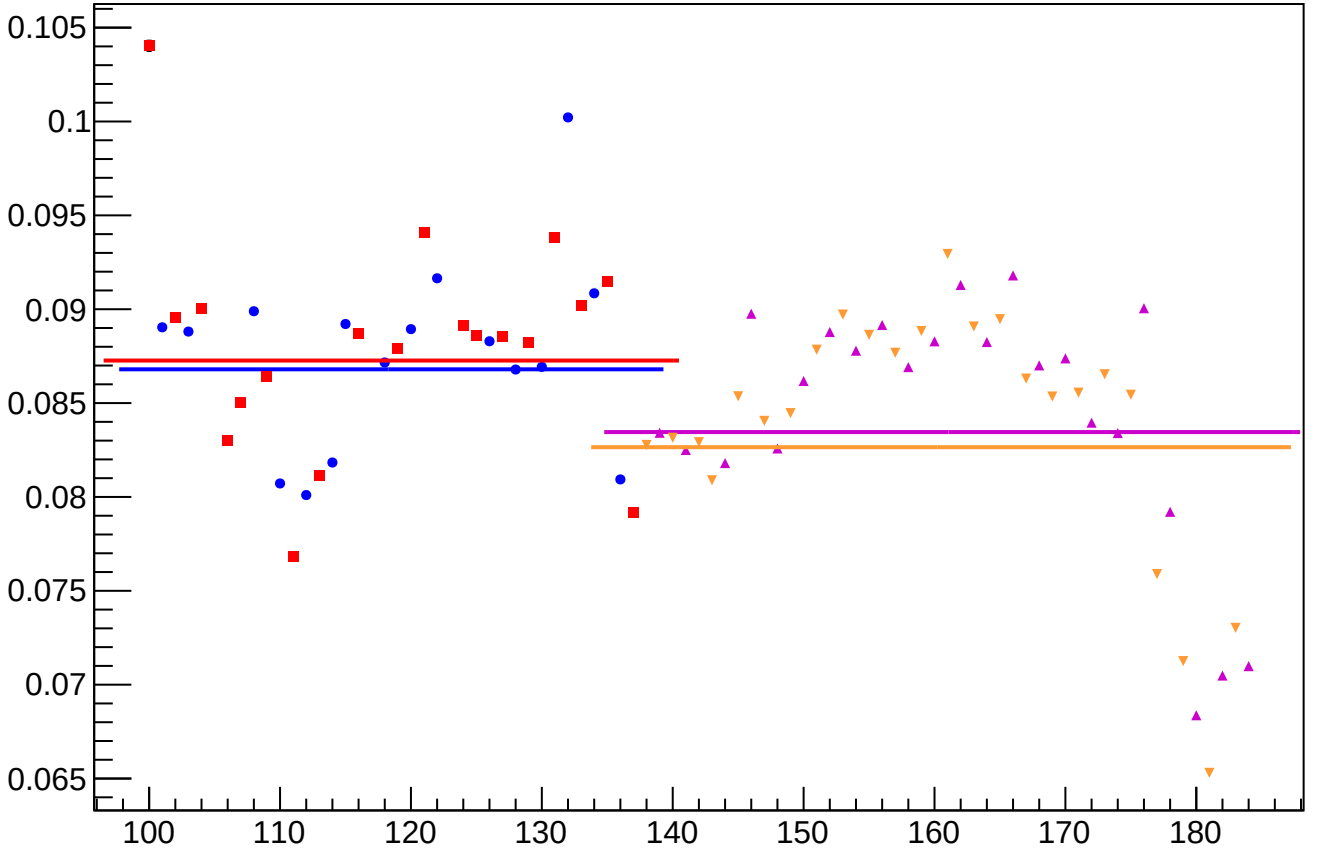
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.977+/-0.000 χ^2/NDF:1500593806.6/38

Out: -0.949+/-0.000 χ^2/NDF:1672537854.7/42

All: -0.962+/-0.000 χ^2/NDF: 3174494317.6/8

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: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 528646.1/46

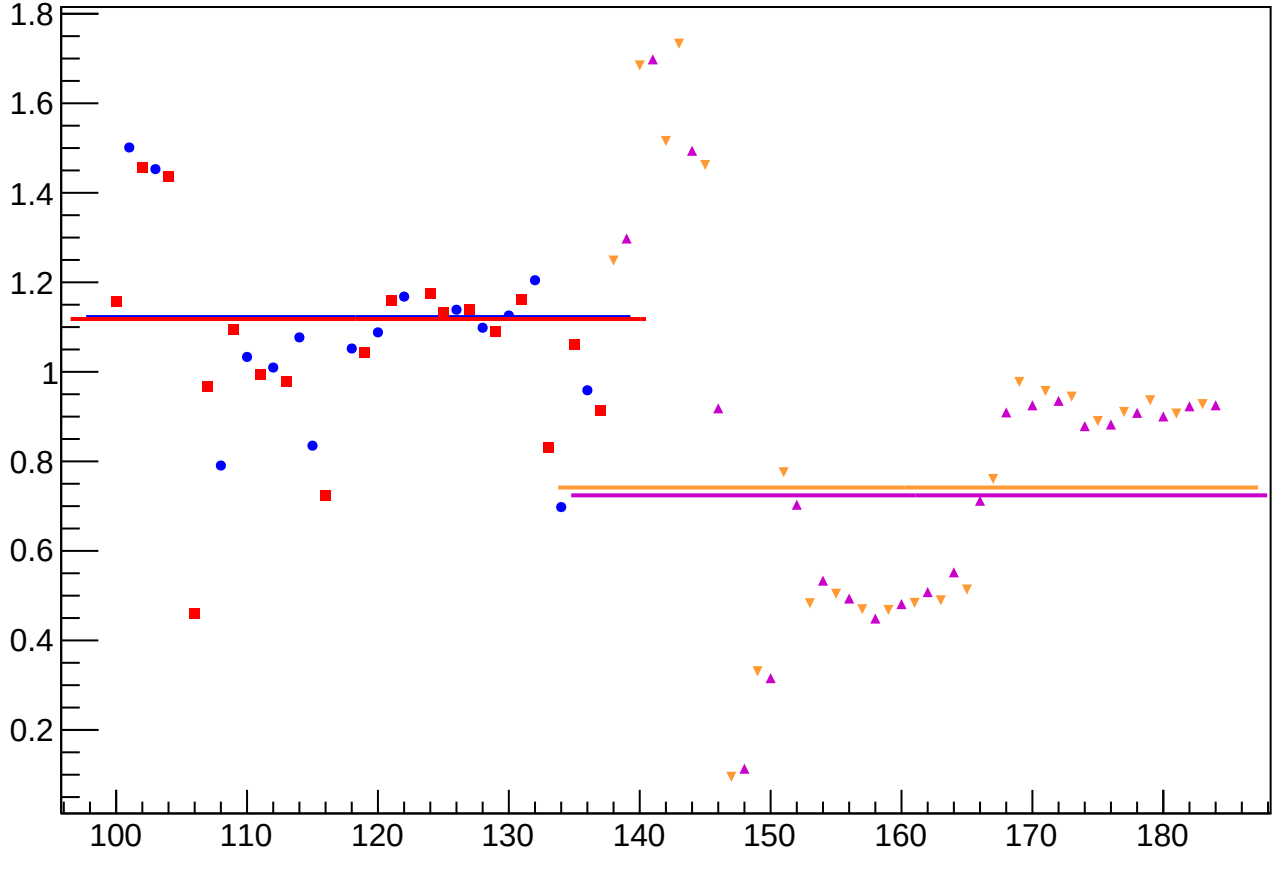
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.084+/-0.000 χ^2/NDF:297557.5/38

Out: 0.084+/-0.000 χ^2/NDF:365429.2/42

All: 0.084+/-0.000 χ^2/NDF: 663883.6/81

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: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.733+/-0.000 χ^2/NDF: 58193898998.3/46

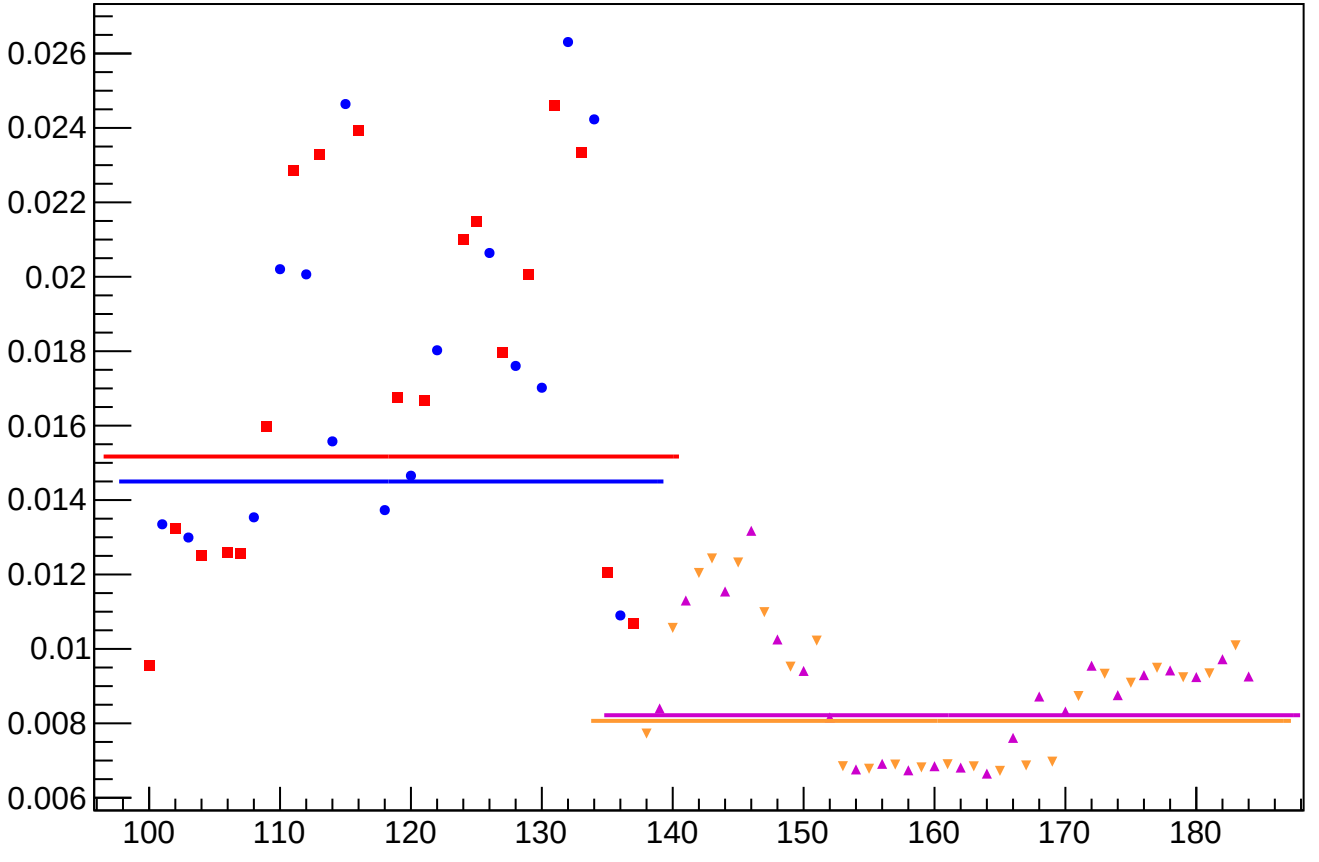
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.765+/-0.000 χ^2/NDF:31149875625.7/38

Out: 0.776+/-0.000 χ^2/NDF:37507504890.2/42

All: 0.771+/-0.000 χ^2/NDF: 68672876665.7/8

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:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2522158.6/46

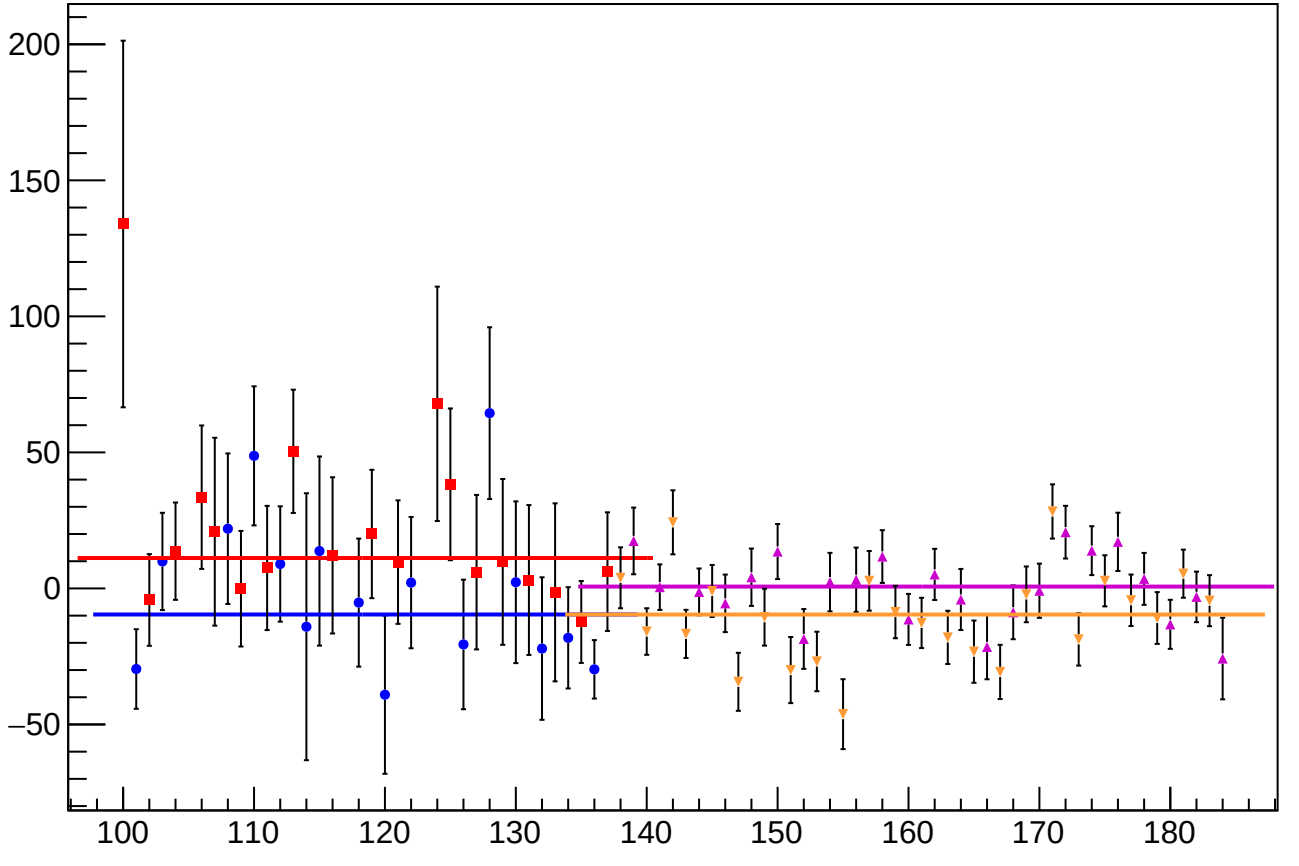
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3848564.2/38

Out: 0.009+/-0.000 χ^2/NDF:4700283.1/42

All: 0.009+/-0.000 χ^2/NDF: 8555880.7/81

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: 0.676+/-2.104 χ^2/NDF:29.4/22

Left: -4.603+/-1.467 χ^2/NDF: 101.4/46

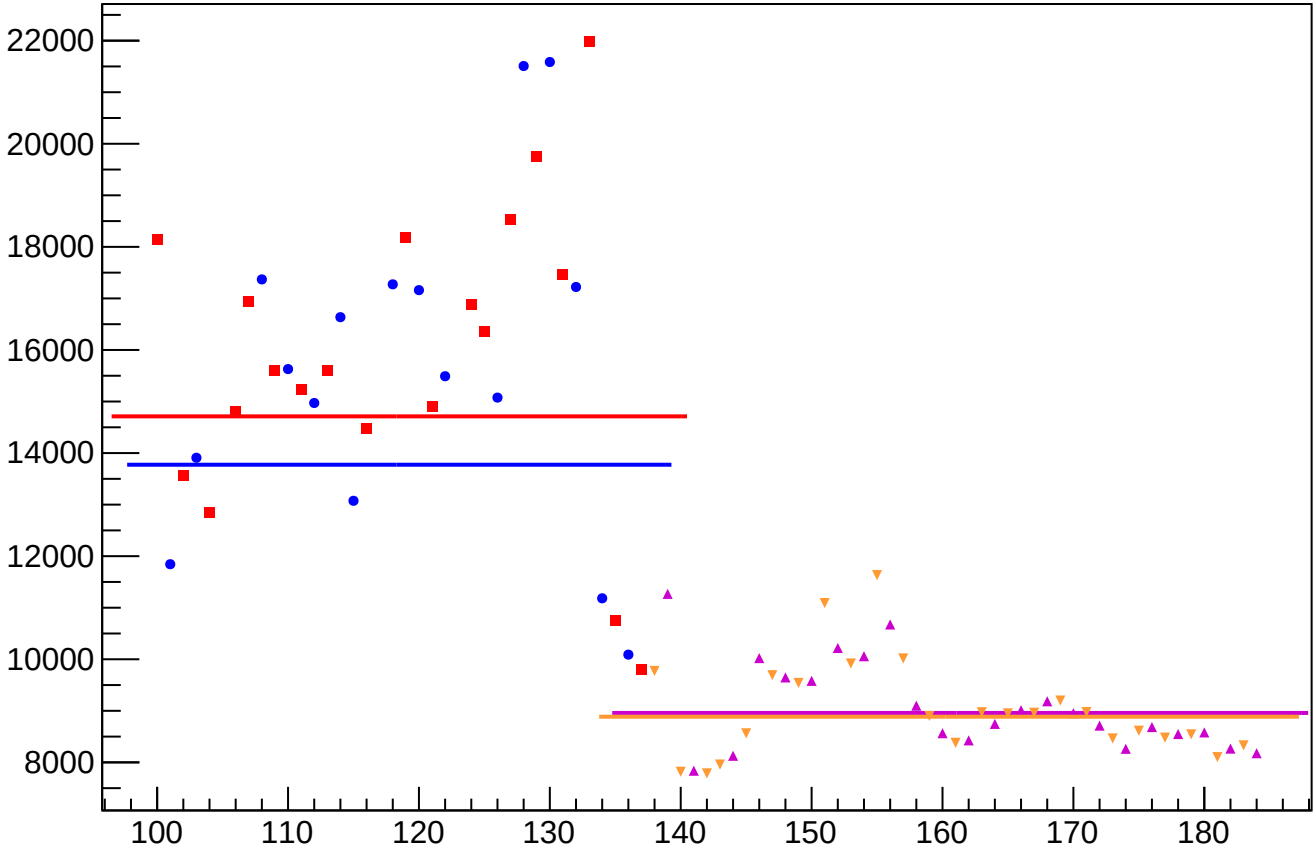
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -0.725+/-1.955 χ^2/NDF:54.6/38

Out: -7.068+/-1.918 χ^2/NDF:86.1/42

All: -3.957+/-1.369 χ^2/NDF: 146.1/81

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: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8921.091+/-1.037 χ^2/NDF: 646926.8/46

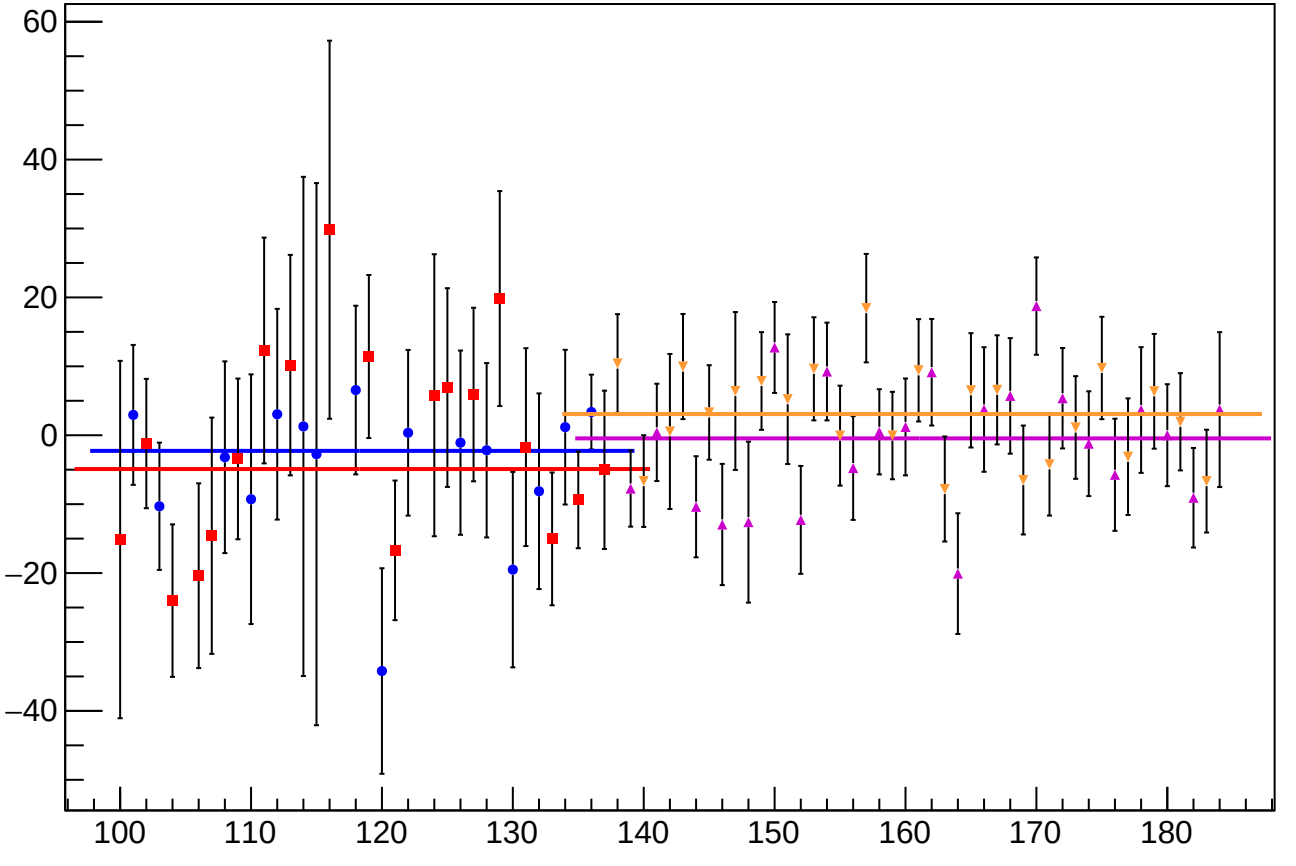
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 9616.299+/-1.383 χ^2/NDF:2479732.3/38

Out: 9594.899+/-1.356 χ^2/NDF:2874655.6/42

All: 9605.394+/-0.968 χ^2/NDF: 5354510.0/81

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: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.326+/-1.113 χ^2/NDF: 53.8/46

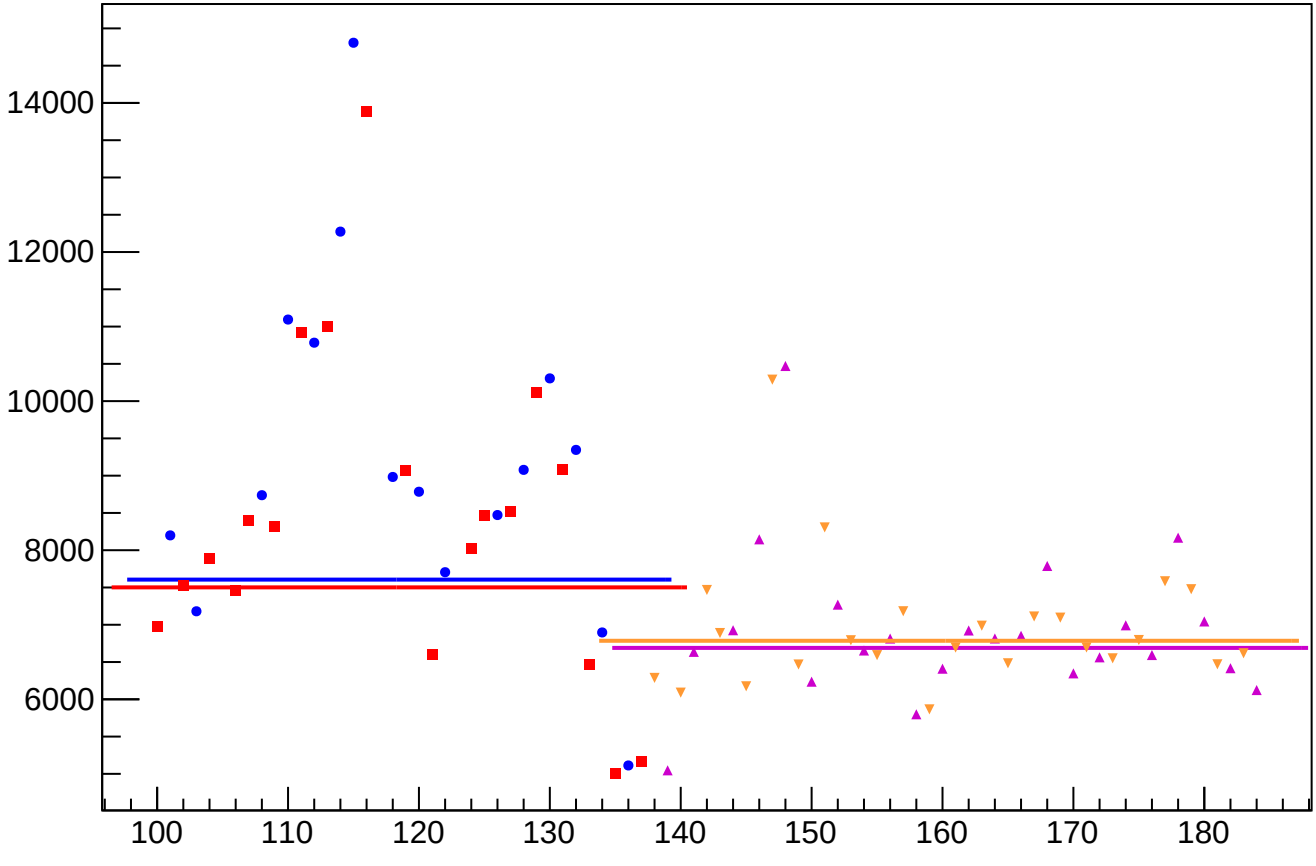
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -0.866+/-1.391 χ^2/NDF:42.4/38

Out: 1.208+/-1.371 χ^2/NDF:42.2/42

All: 0.186+/-0.976 χ^2/NDF: 85.7/81

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: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6737.774+/-0.787 χ^2/NDF: 1020571.9/46

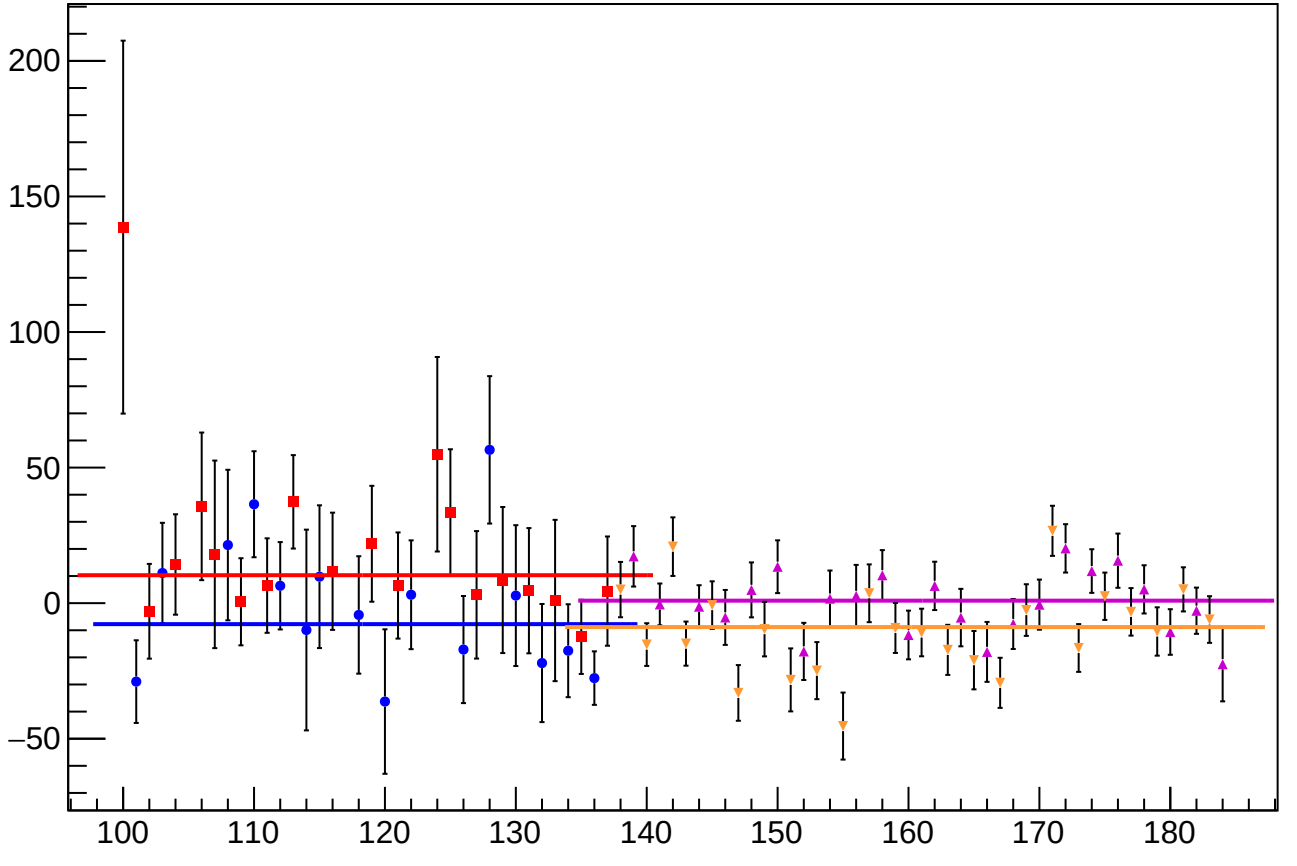
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6897.105+/-0.983 χ^2/NDF:1663833.6/38

Out: 6952.539+/-0.969 χ^2/NDF:1317977.7/42

All: 6925.218+/-0.690 χ^2/NDF: 2983422.6/81

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: 0.919+/-1.969 χ^2/NDF:29.1/22

Left: -4.094+/-1.372 χ^2/NDF: 102.2/46

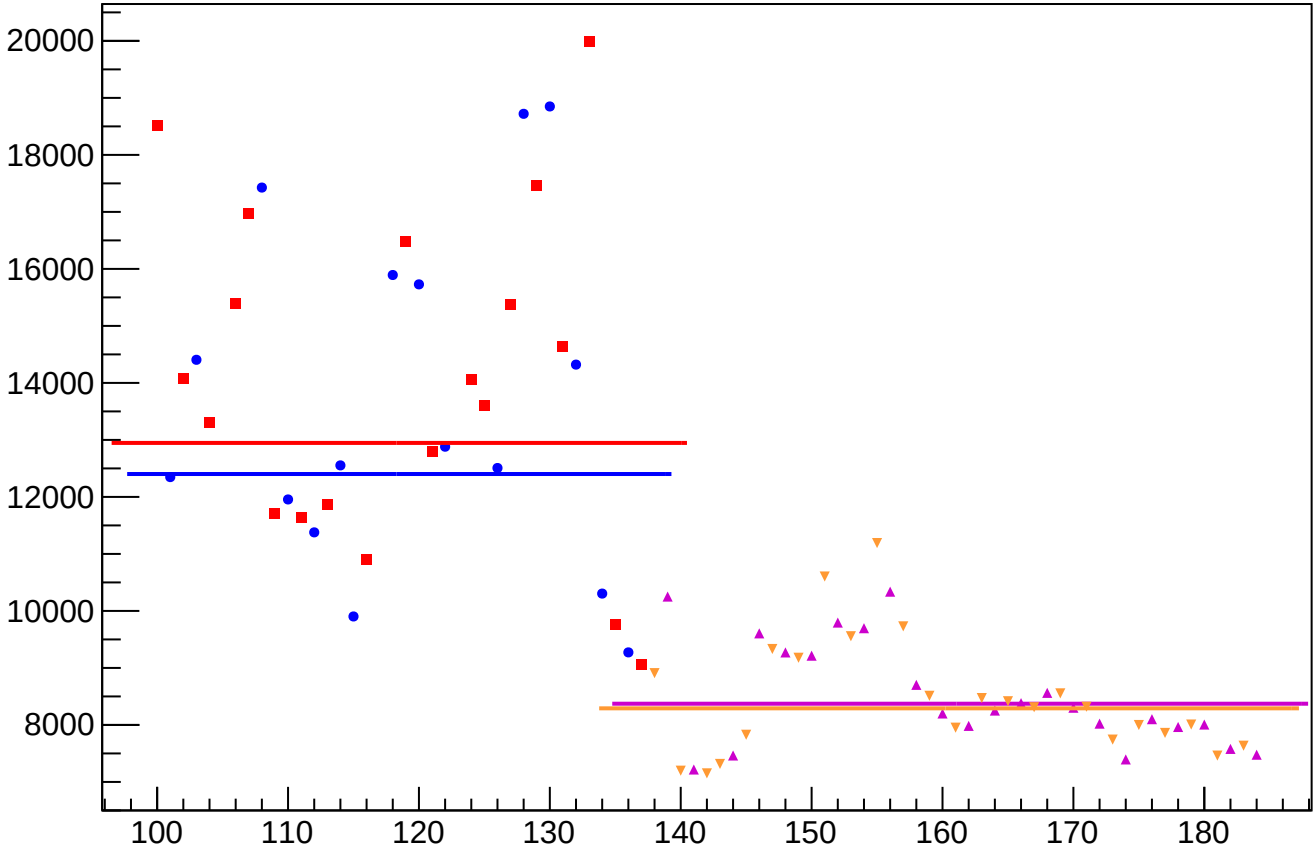
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -0.351+/-1.819 χ^2/NDF:54.6/38

Out: -6.240+/-1.779 χ^2/NDF:88.0/42

All: -3.361+/-1.272 χ^2/NDF: 147.9/81

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: 8372.363+/-1.392 χ^2/NDF:392872.1/22

Left: 8330.559+/-0.970 χ^2/NDF: 843866.0/46

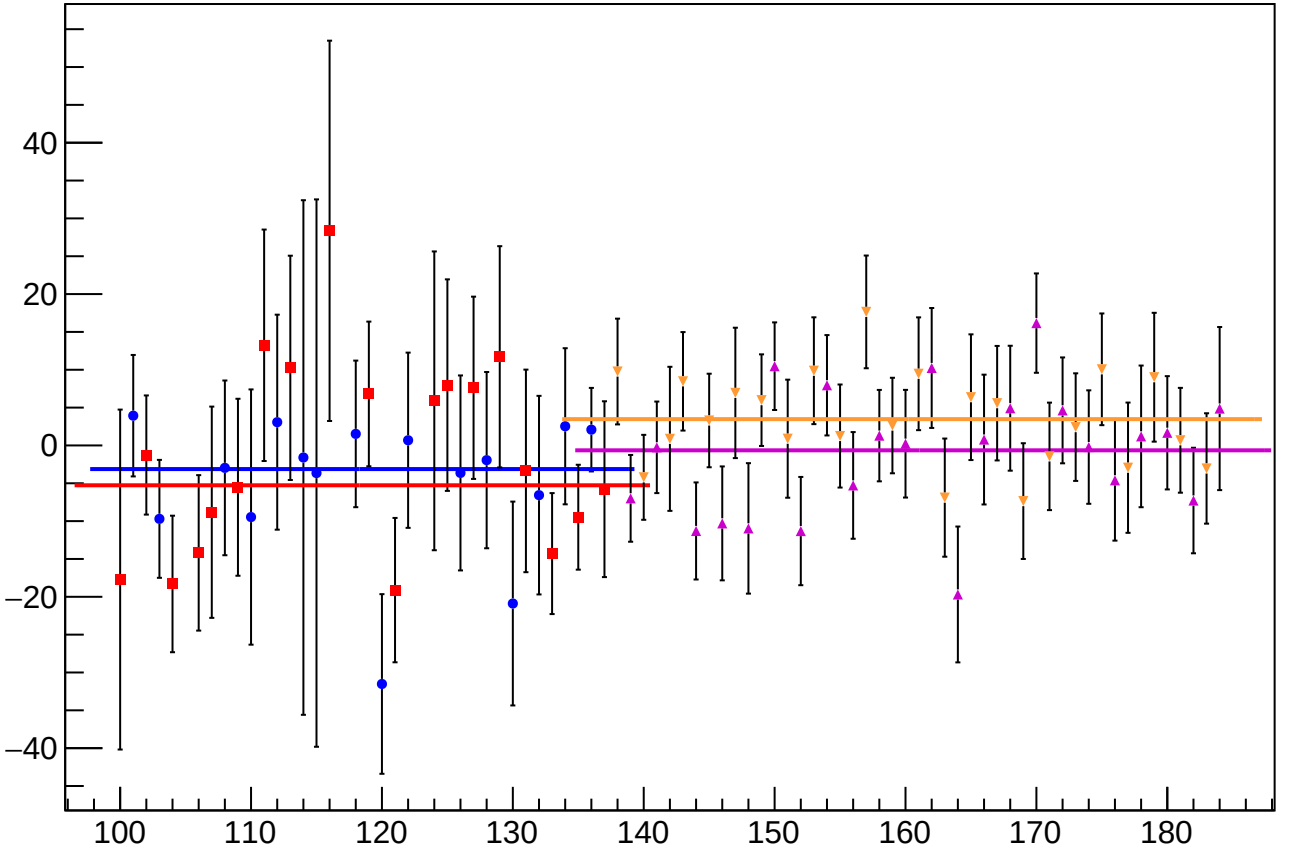
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 8963.559+/-1.286 χ^2/NDF:2300184.1/38

Out: 8920.051+/-1.258 χ^2/NDF:2605548.1/42

All: 8941.321+/-0.899 χ^2/NDF: 4906317.1/81

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: -0.645+/-1.499 χ^2/NDF:30.8/22

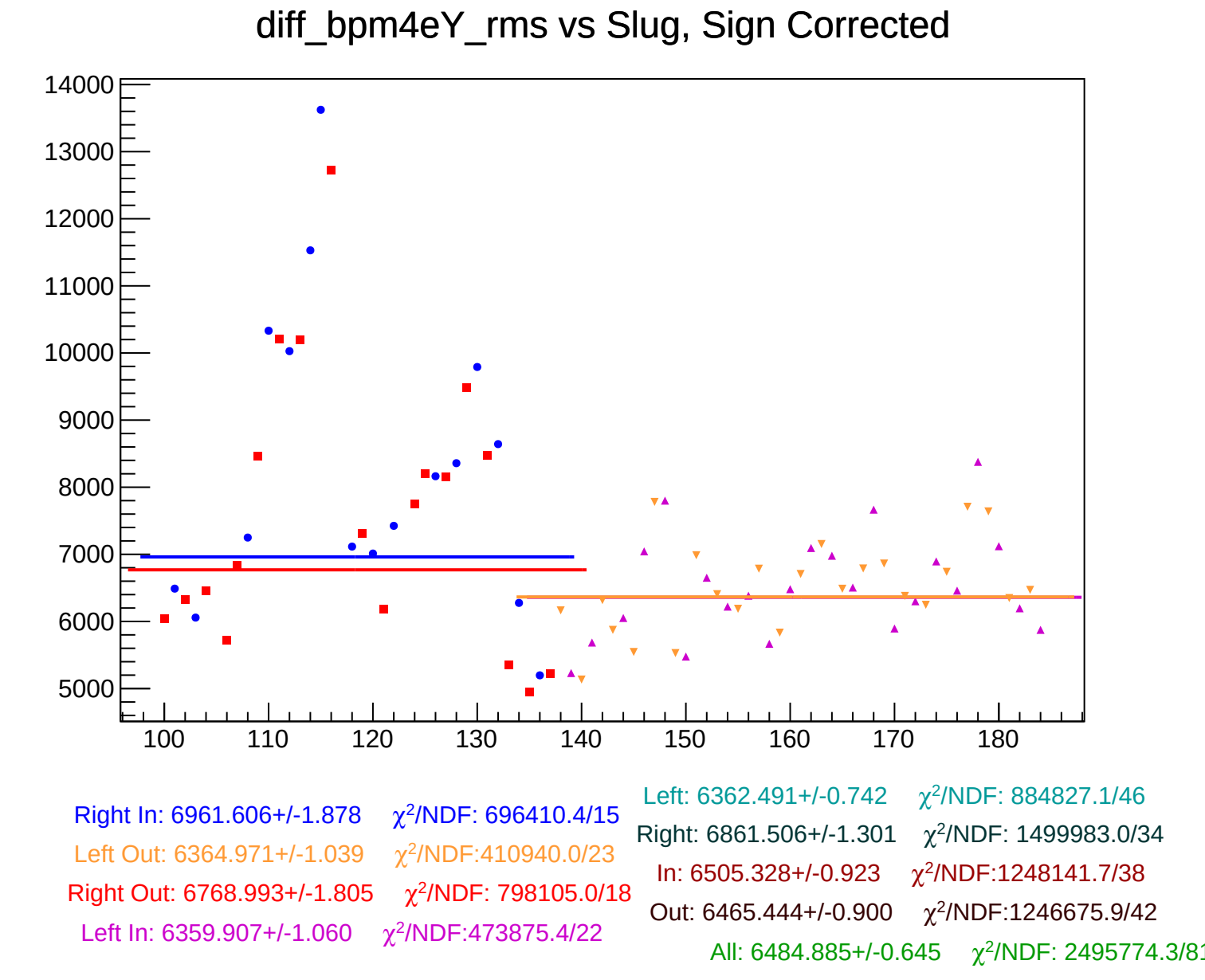
Left: 1.457+/-1.049 χ^2/NDF: 50.8/46

Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

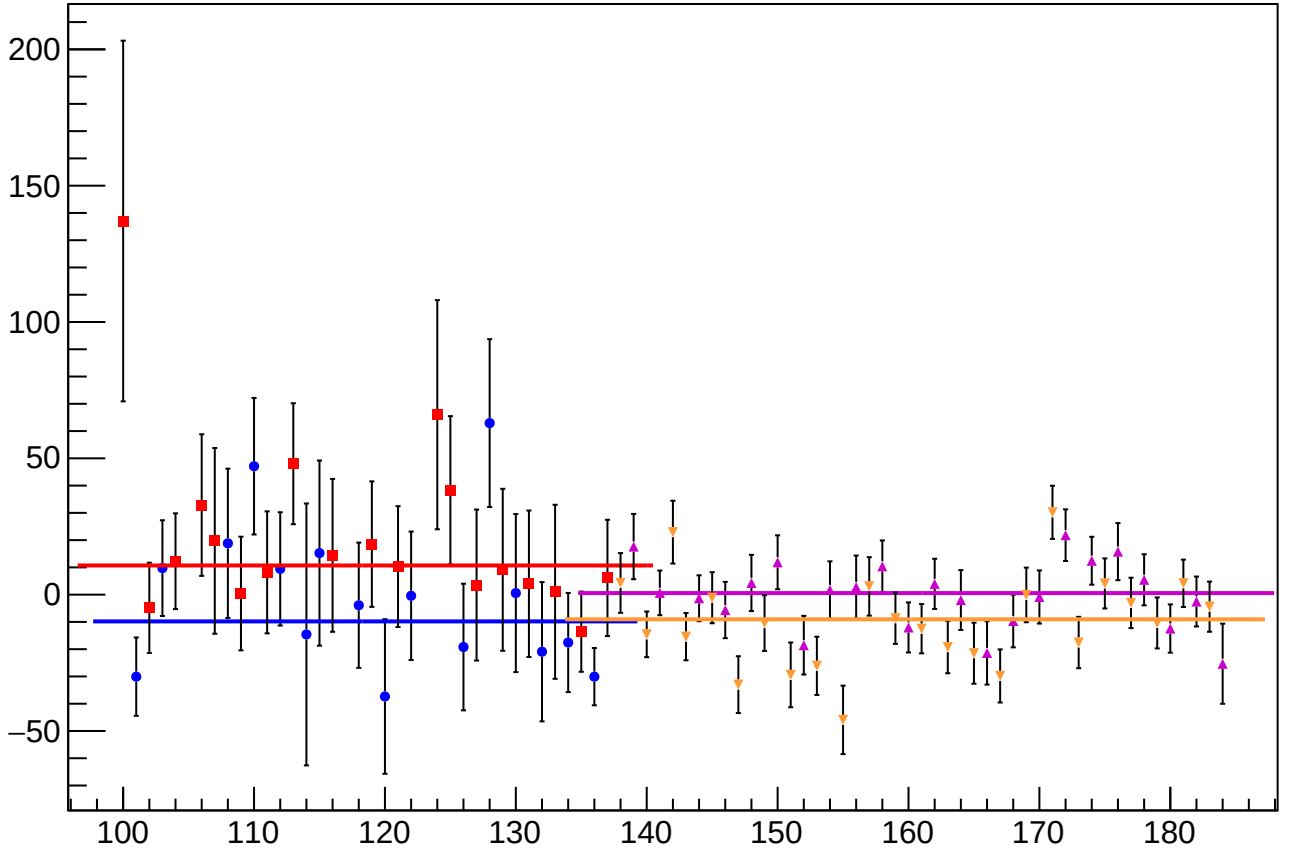
In: -1.244+/-1.306 χ^2/NDF:42.3/38

Out: 1.301+/-1.273 χ^2/NDF:41.9/42

All: 0.060+/-0.911 χ^2/NDF: 86.2/81


diff_bpm4eY_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
110
120
130
140
150
160
170
180
Right In: 6961.606+/-1.878 χ²/NDF: 696410.4/15
Left Out: 6364.971+/-1.039 χ²/NDF:410940.0/23
Right Out: 6768.993+/-1.805 χ²/NDF: 798105.0/18
Left In: 6359.907+/-1.060 χ²/NDF:473875.4/22
Left: 6362.491+/-0.742 χ²/NDF: 884827.1/46
Right: 6861.506+/-1.301 χ²/NDF: 1499983.0/34
In: 6505.328+/-0.923 χ²/NDF:1248141.7/38
Out: 6465.444+/-0.900 χ²/NDF:1246675.9/42
All: 6484.885+/-0.645 χ²/NDF: 2495774.3/81

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: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.364+/-1.436 χ^2/NDF: 102.3/46

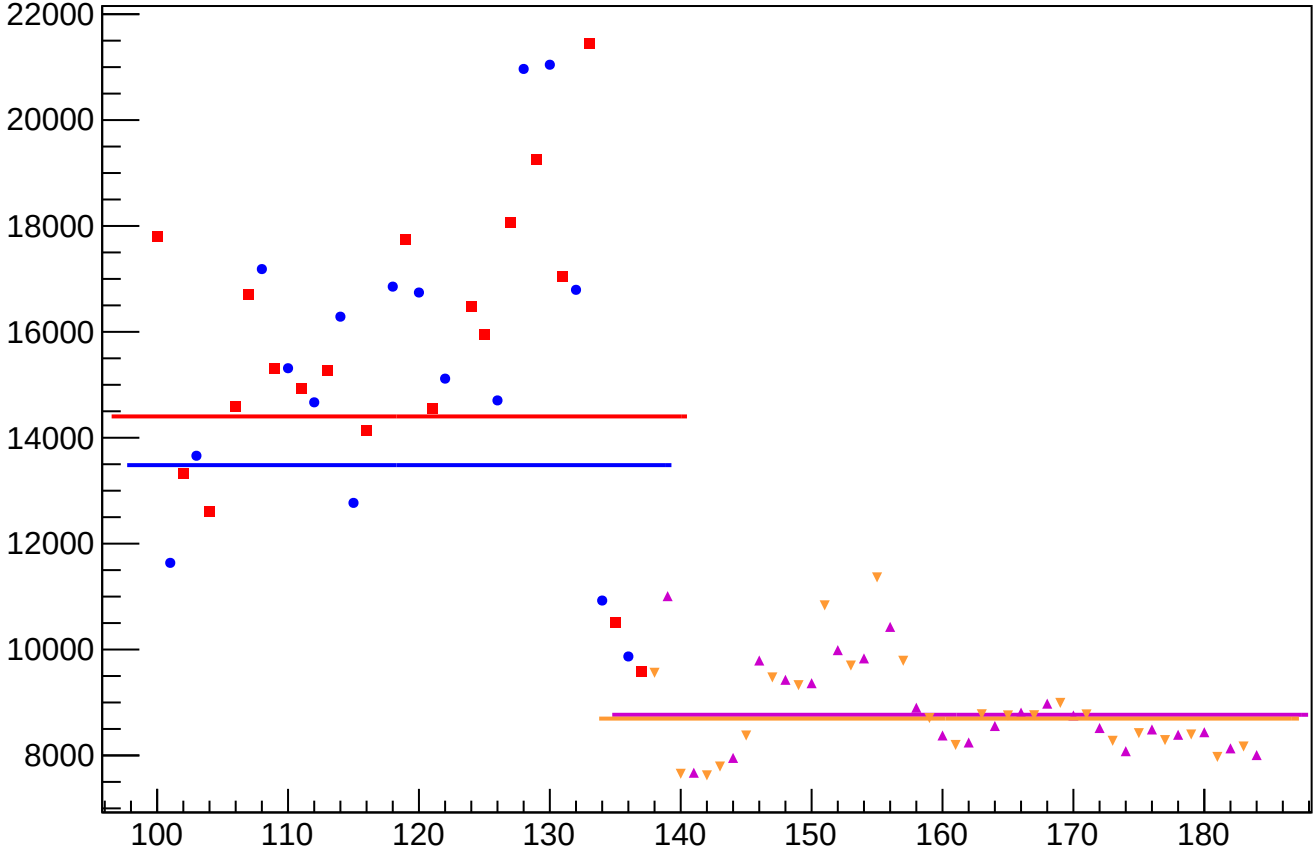
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -0.840+/-1.913 χ^2/NDF:55.1/38

Out: -6.637+/-1.877 χ^2/NDF:87.7/42

All: -3.794+/-1.340 χ^2/NDF: 147.4/81

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: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8730.664+/-1.015 χ^2/NDF: 634540.9/46

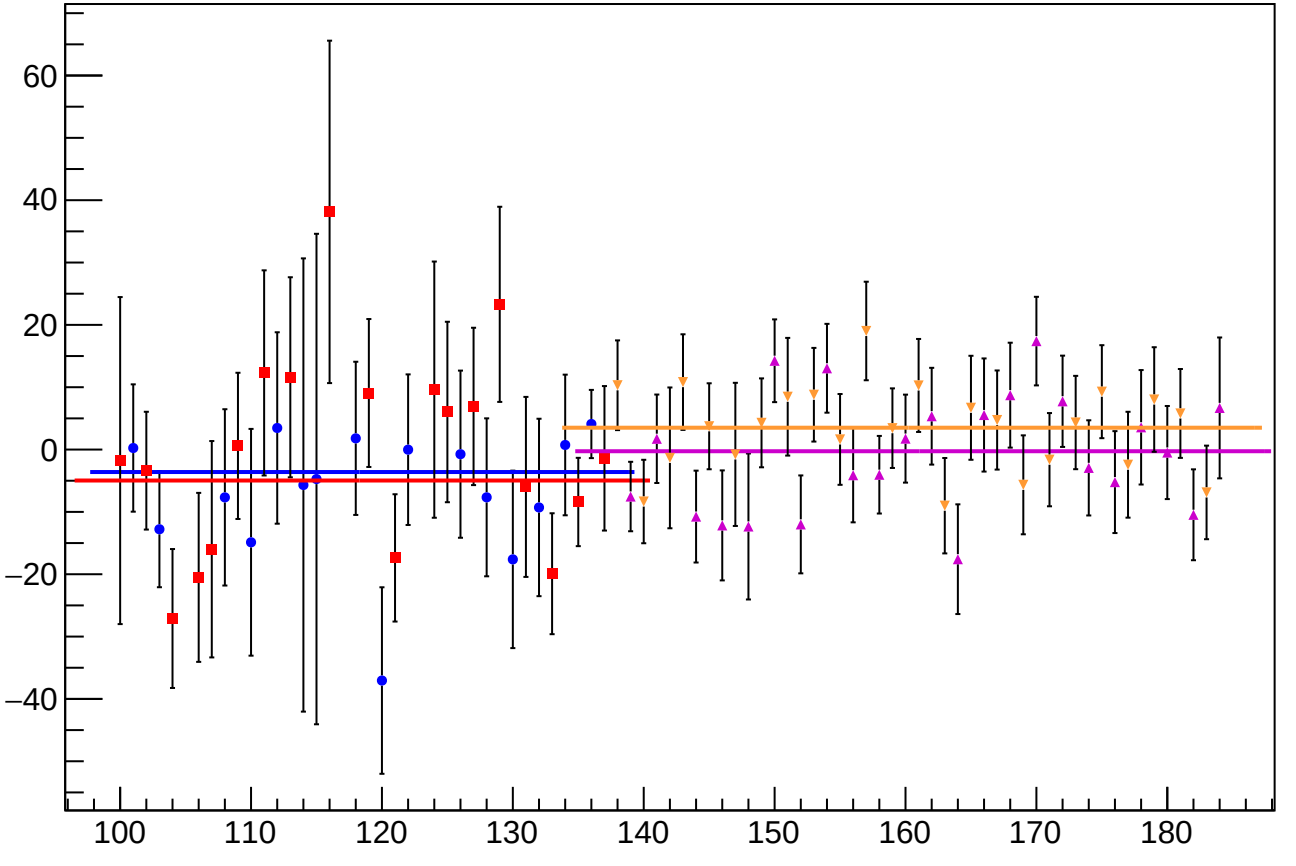
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9411.526+/-1.353 χ^2/NDF:2471222.0/38

Out: 9390.060+/-1.327 χ^2/NDF:2866428.7/42

All: 9400.587+/-0.947 χ^2/NDF: 5337779.1/81

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: -0.269+/-1.590 χ^2/NDF:34.2/22

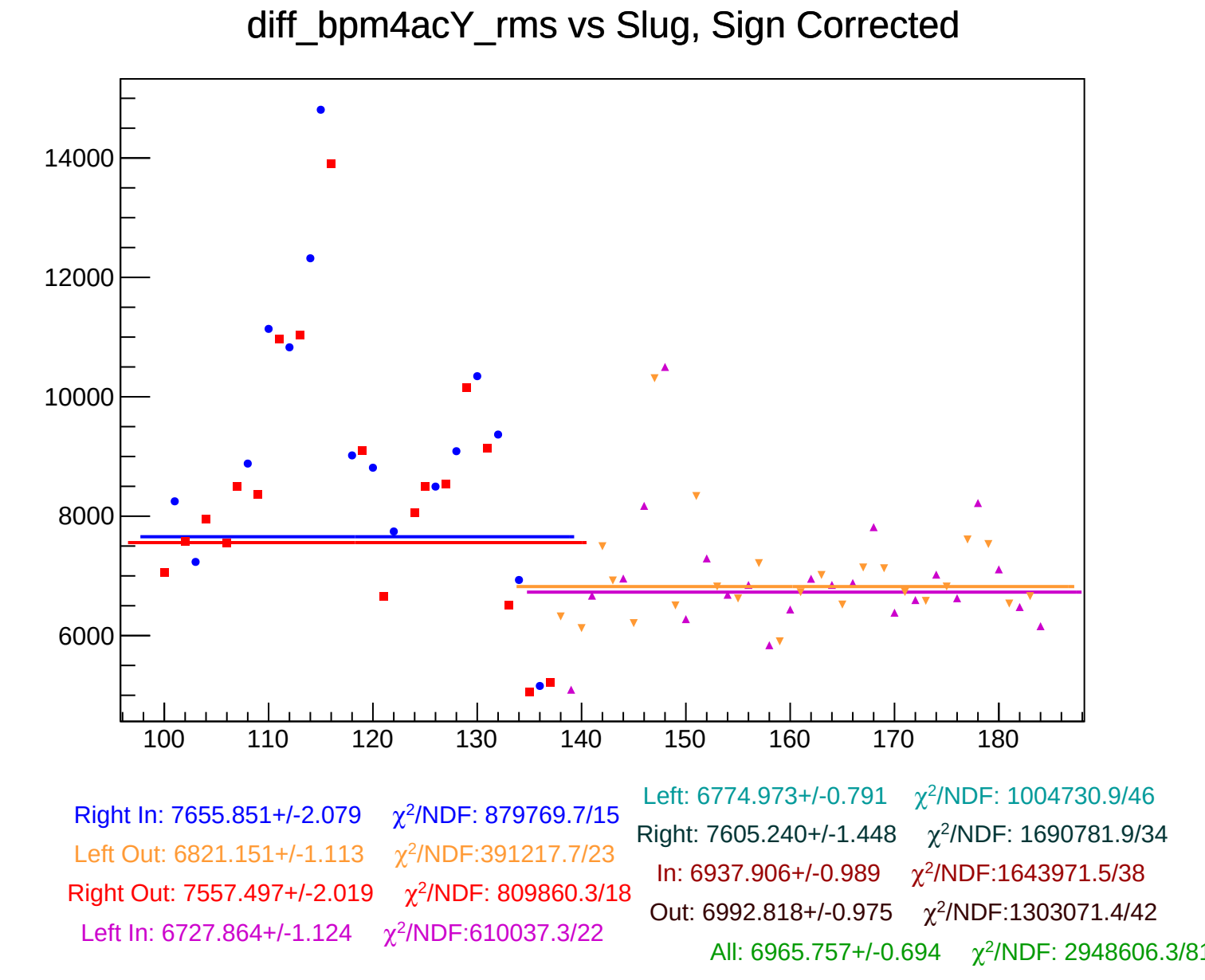
Left: 1.637+/-1.119 χ^2/NDF: 55.9/46

Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -1.024+/-1.399 χ^2/NDF:45.7/38

Out: 1.530+/-1.379 χ^2/NDF:47.0/42

All: 0.271+/-0.982 χ^2/NDF: 94.4/81


diff_bpm4acY_rms vs Slug, Sign Corrected
14000
12000
10000
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6000
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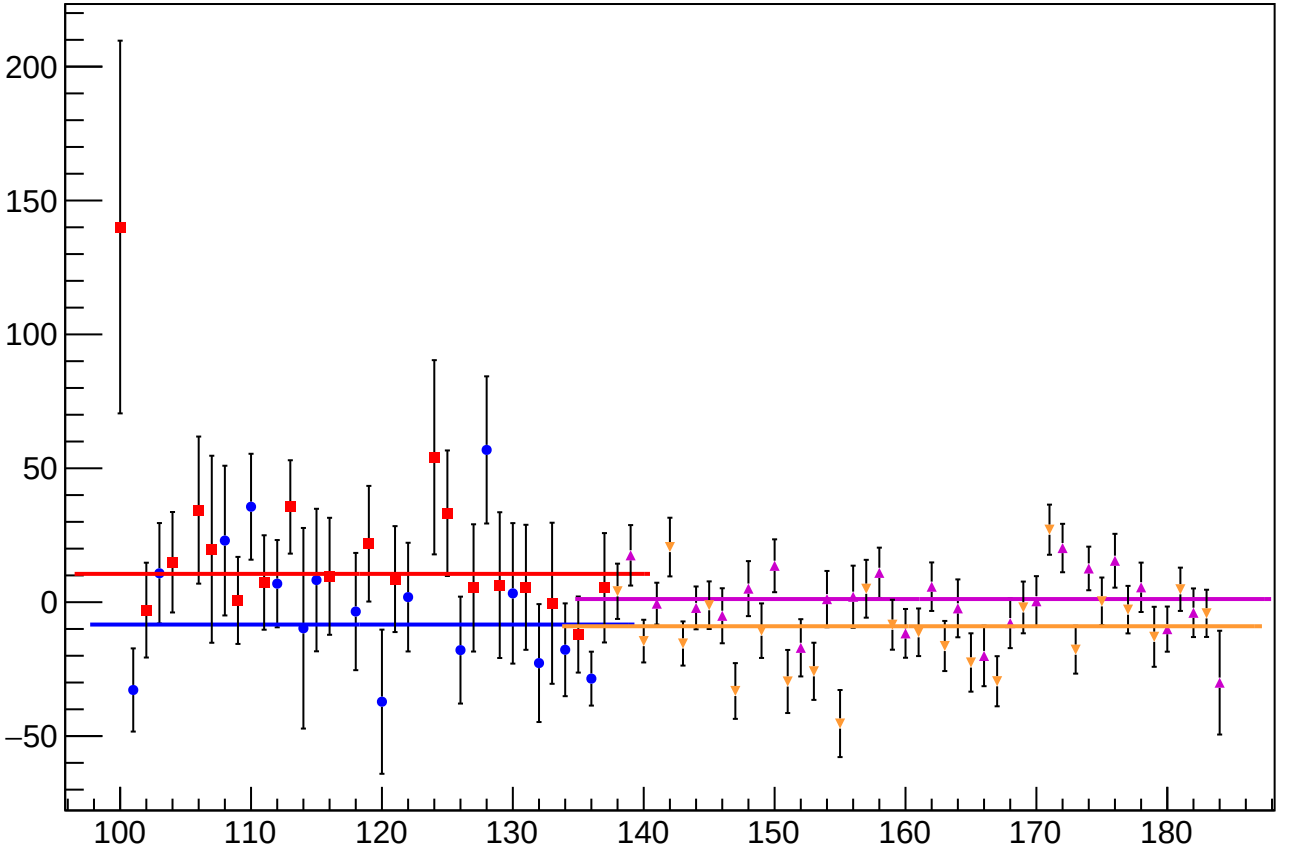
170
180
Right In: 7655.851+/-2.079 χ²/NDF: 879769.7/15
Left Out: 6821.151+/-1.113 χ²/NDF:391217.7/23
Right Out: 7557.497+/-2.019 χ²/NDF: 809860.3/18
Left In: 6727.864+/-1.124 χ²/NDF:610037.3/22
Left: 6774.973+/-0.791 χ²/NDF: 1004730.9/46
Right: 7605.240+/-1.448 χ²/NDF: 1690781.9/34
In: 6937.906+/-0.989 χ²/NDF:1643971.5/38
Out: 6992.818+/-0.975 χ²/NDF:1303071.4/42
All: 6965.757+/-0.694 χ²/NDF: 2948606.3/81

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -8.983+/-1.953 χ^2/NDF:60.1/23

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -4.057+/-1.402 χ^2/NDF: 101.8/46

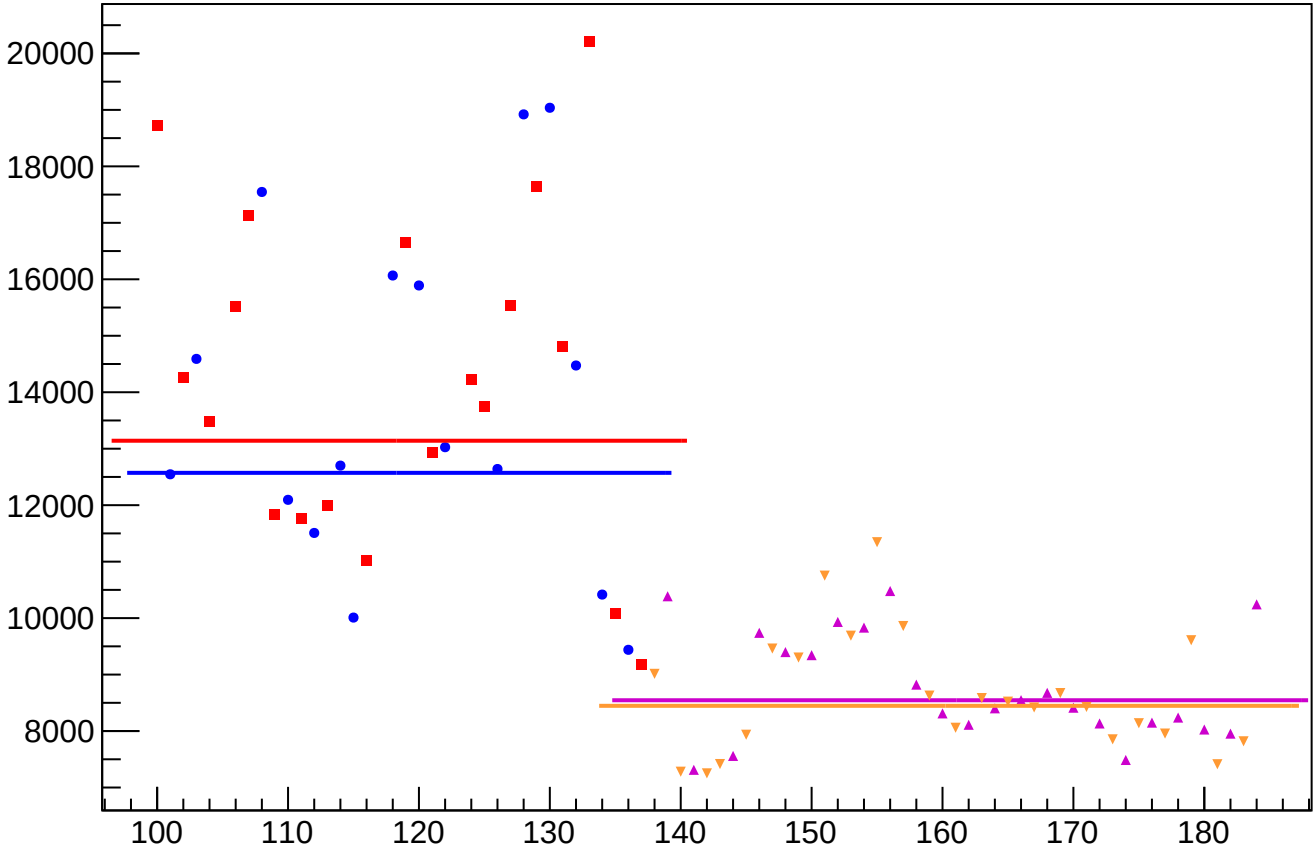
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -0.243+/-1.857 χ^2/NDF:55.1/38

Out: -6.312+/-1.815 χ^2/NDF:86.7/42

All: -3.347+/-1.298 χ^2/NDF: 147.3/81

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: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8494.746+/-0.991 χ^2/NDF: 868854.7/46

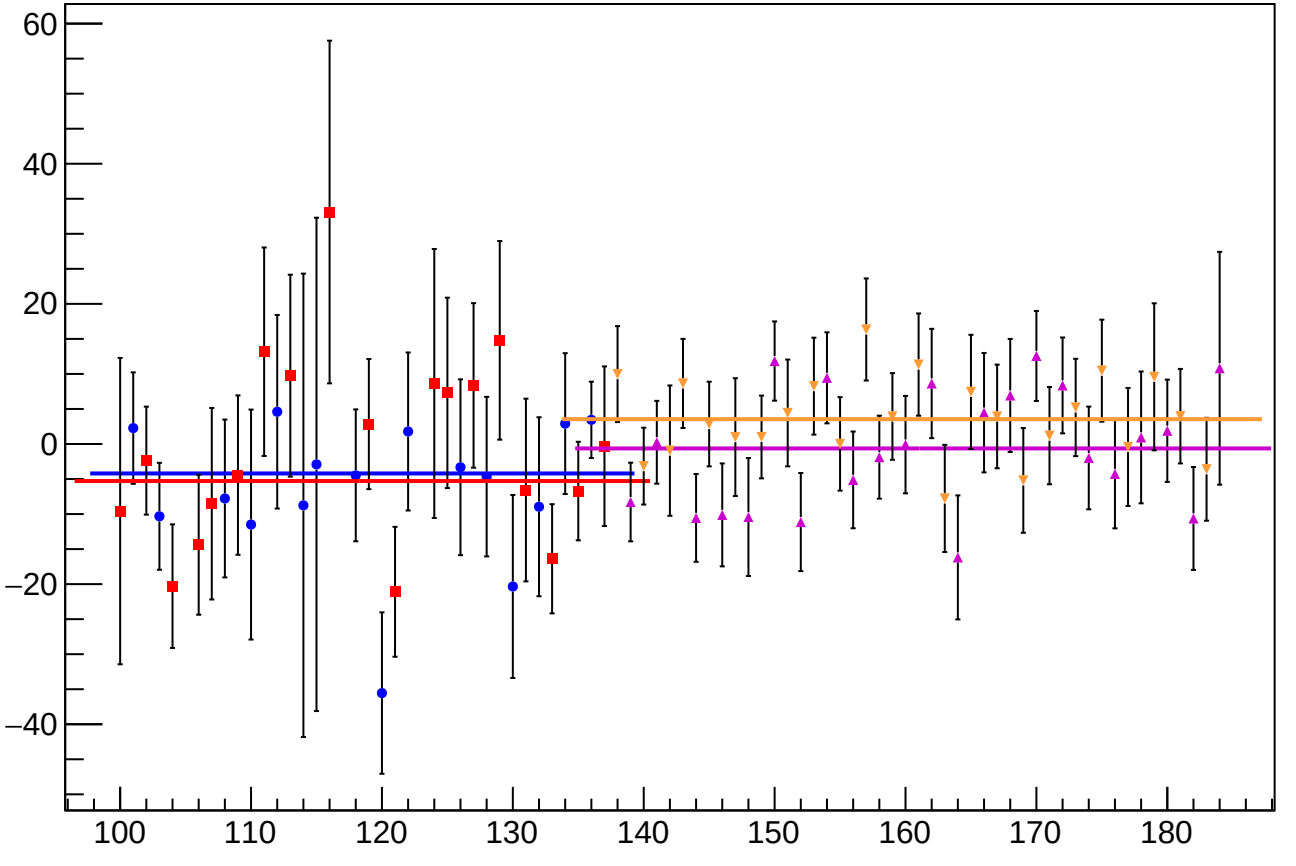
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9144.618+/-1.313 χ^2/NDF:2246256.6/38

Out: 9087.974+/-1.283 χ^2/NDF:2589278.9/42

All: 9115.650+/-0.918 χ^2/NDF: 4836487.5/81

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: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.506+/-1.035 χ^2/NDF: 50.8/46

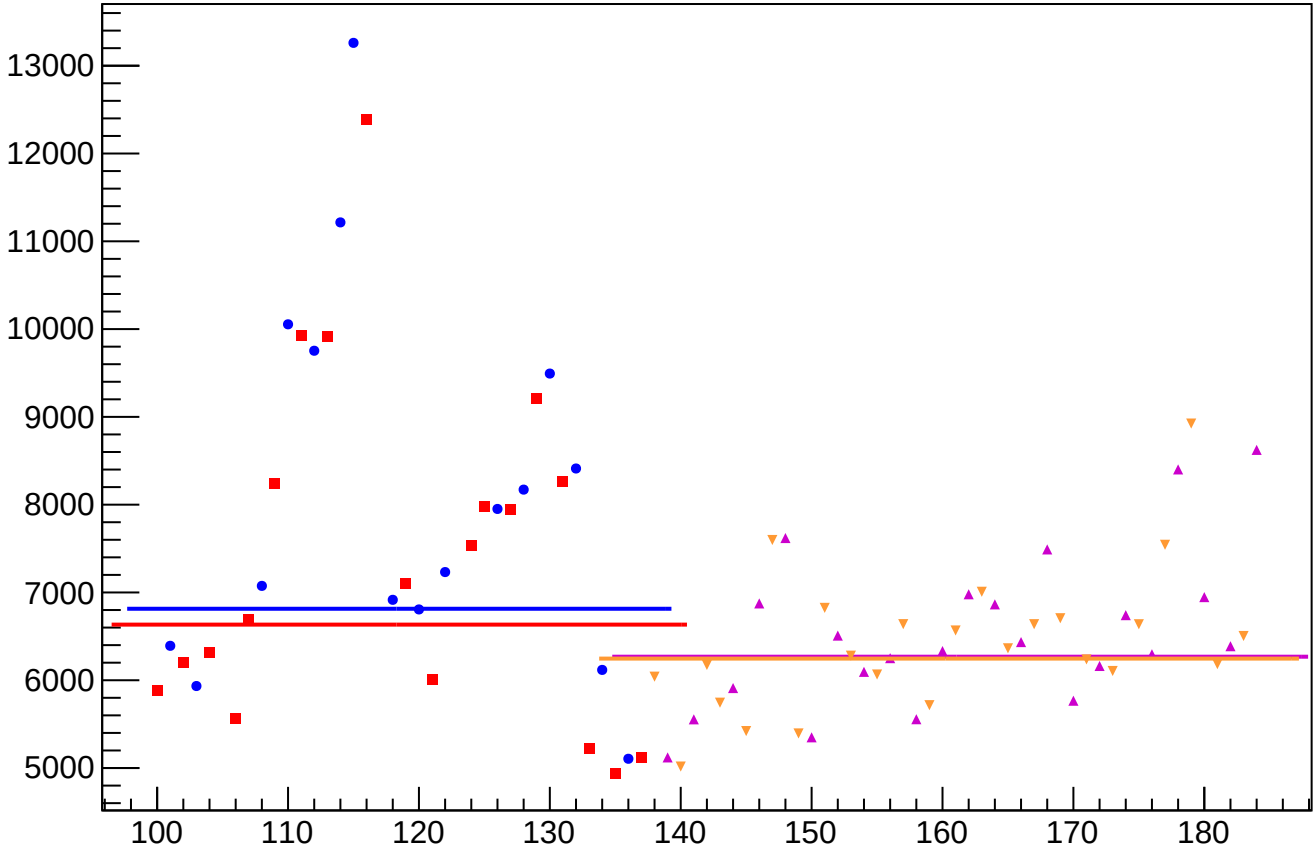
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -1.508+/-1.287 χ^2/NDF:47.1/38

Out: 1.331+/-1.252 χ^2/NDF:44.0/42

All: -0.049+/-0.898 χ^2/NDF: 93.6/81

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: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6257.212+/-0.732 χ^2/NDF: 1027797.6/46

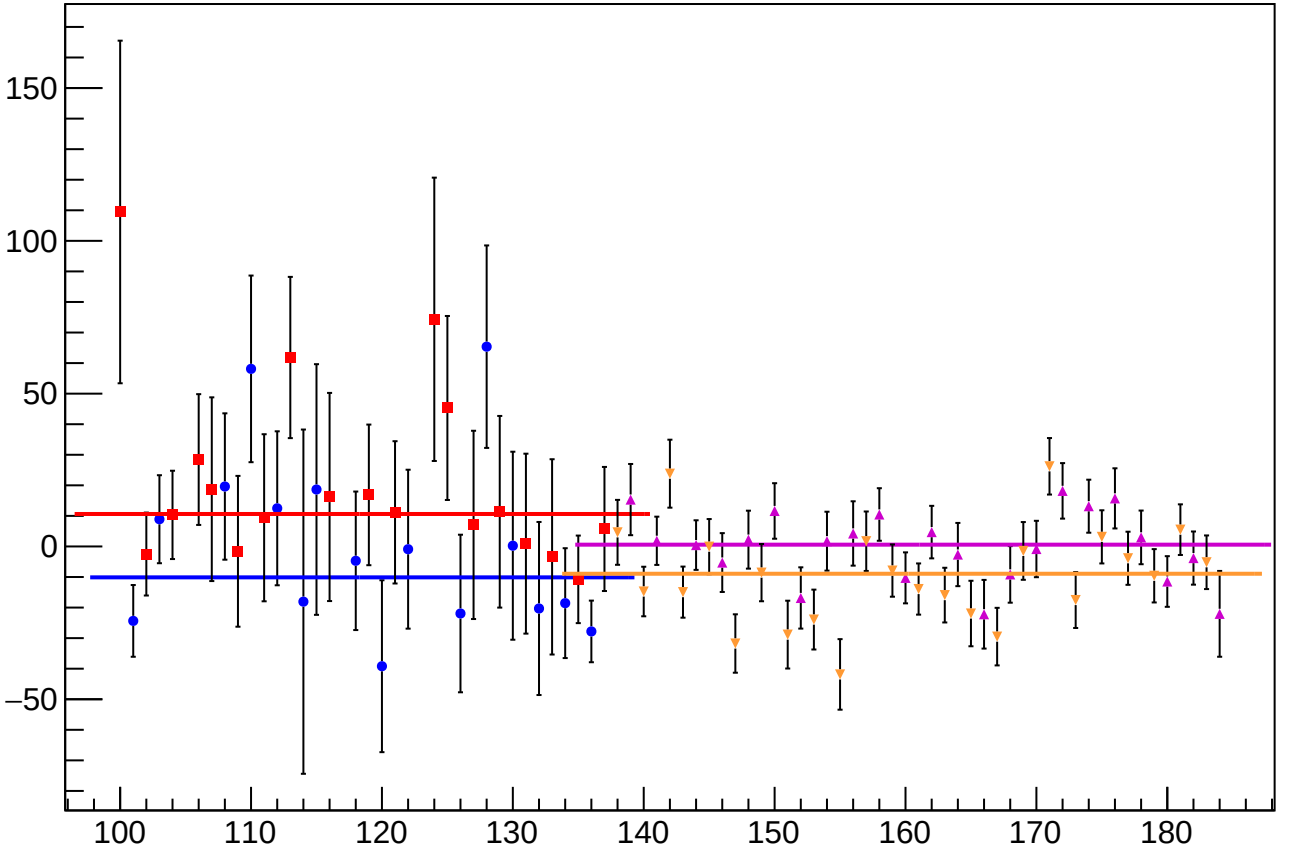
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6402.098+/-0.910 χ^2/NDF:1264987.9/38

Out: 6343.647+/-0.886 χ^2/NDF:1302464.6/42

All: 6372.067+/-0.635 χ^2/NDF: 2569570.8/81

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: 0.583+/-1.939 χ^2/NDF:28.5/22

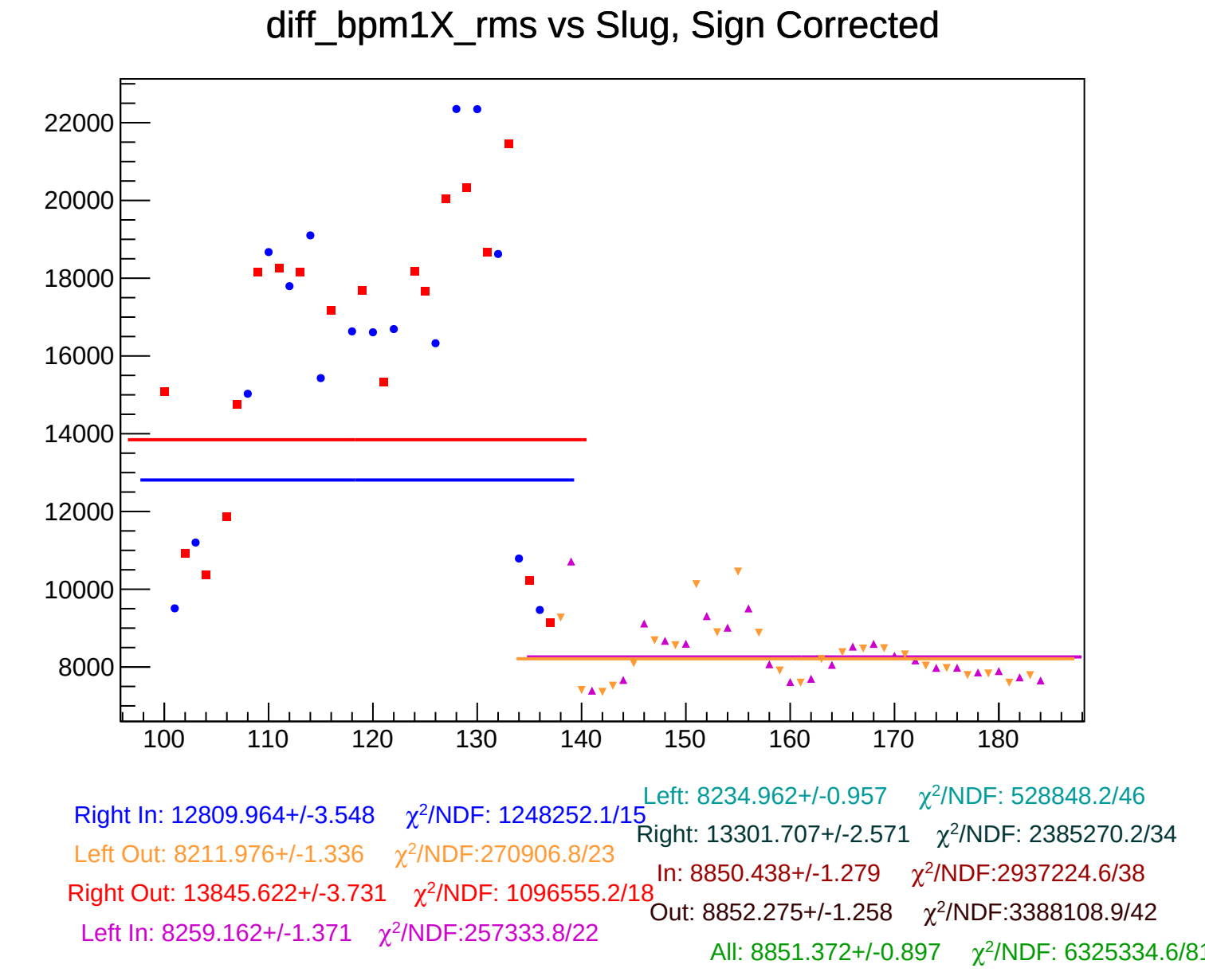
Left: -4.297+/-1.353 χ^2/NDF: 102.5/46

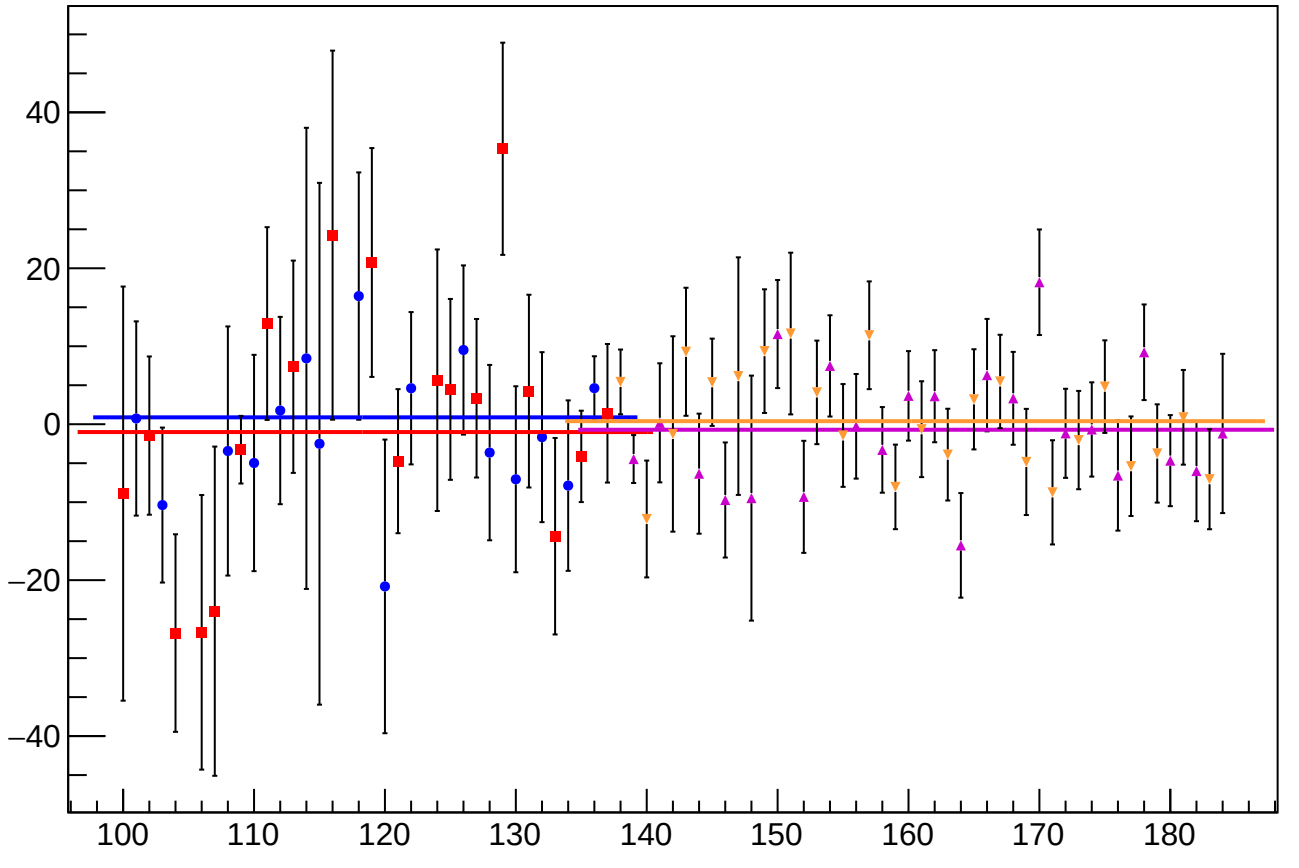
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -0.807+/-1.808 χ^2/NDF:53.7/38

Out: -6.709+/-1.779 χ^2/NDF:88.5/42

All: -3.806+/-1.268 χ^2/NDF: 147.7/81


diff_bpm1X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8211.976+/-1.336 χ²/NDF:270906.8/23
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8234.962+/-0.957 χ²/NDF: 528848.2/46
Right: 13301.707+/-2.571 χ²/NDF: 2385270.2/34
In: 8850.438+/-1.279 χ²/NDF:2937224.6/38
Out: 8852.275+/-1.258 χ²/NDF:3388108.9/42
All: 8851.372+/-0.897 χ²/NDF: 6325334.6/81



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: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.176+/-0.927 χ^2/NDF: 51.7/46

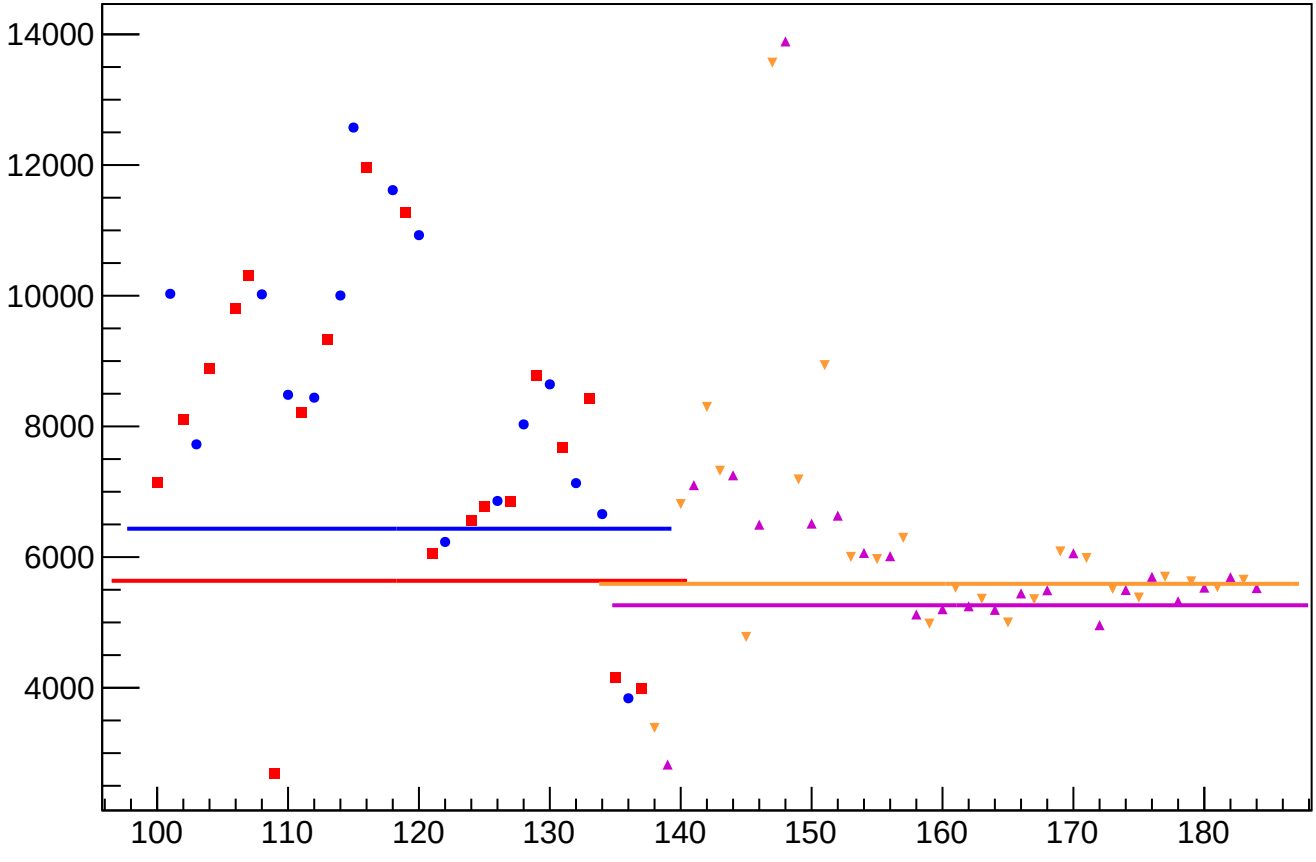
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -0.388+/-1.153 χ^2/NDF:37.0/38

Out: 0.044+/-1.153 χ^2/NDF:44.0/42

All: -0.172+/-0.816 χ^2/NDF: 81.1/81

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5590.902+/-0.941 χ^2/NDF:1783136.7/23

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5421.928+/-0.655 χ^2/NDF: 4271401.6/46

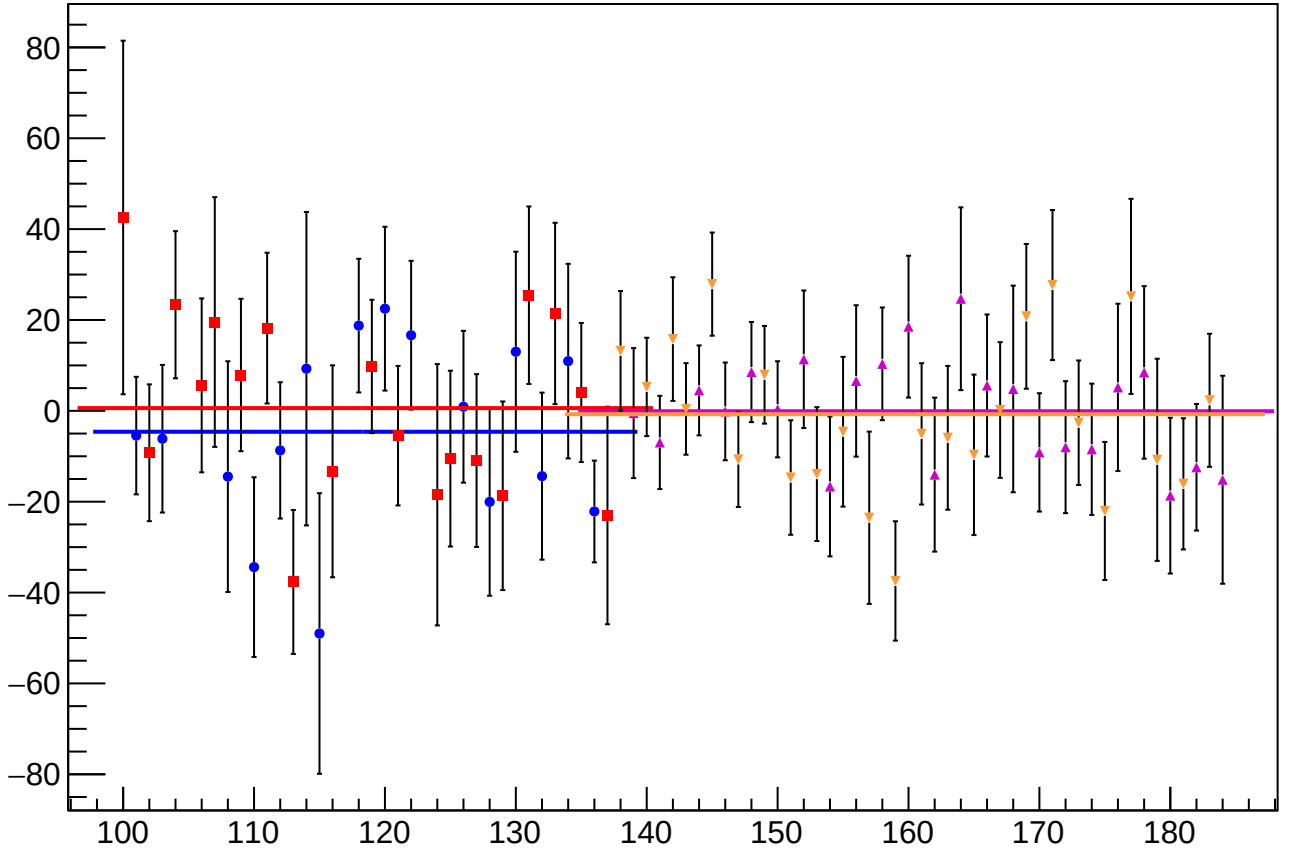
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5499.498+/-0.816 χ^2/NDF:4509016.8/38

Out: 5602.439+/-0.816 χ^2/NDF:4363755.8/42

All: 5550.973+/-0.577 χ^2/NDF: 8880738.9/81

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: -0.084+/-2.926 χ^2/NDF:11.5/22

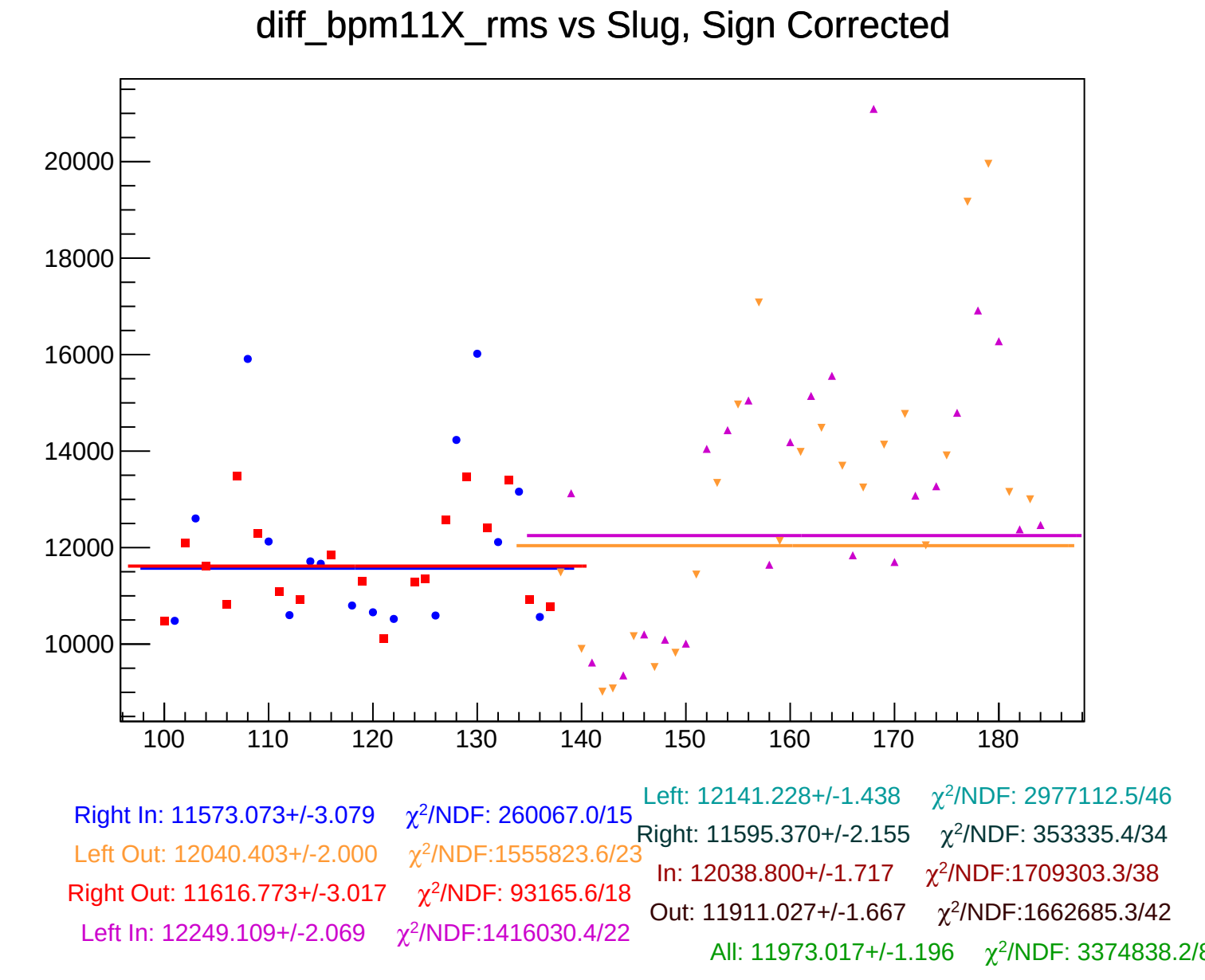
Left: -0.422+/-2.034 χ^2/NDF: 43.7/46

Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

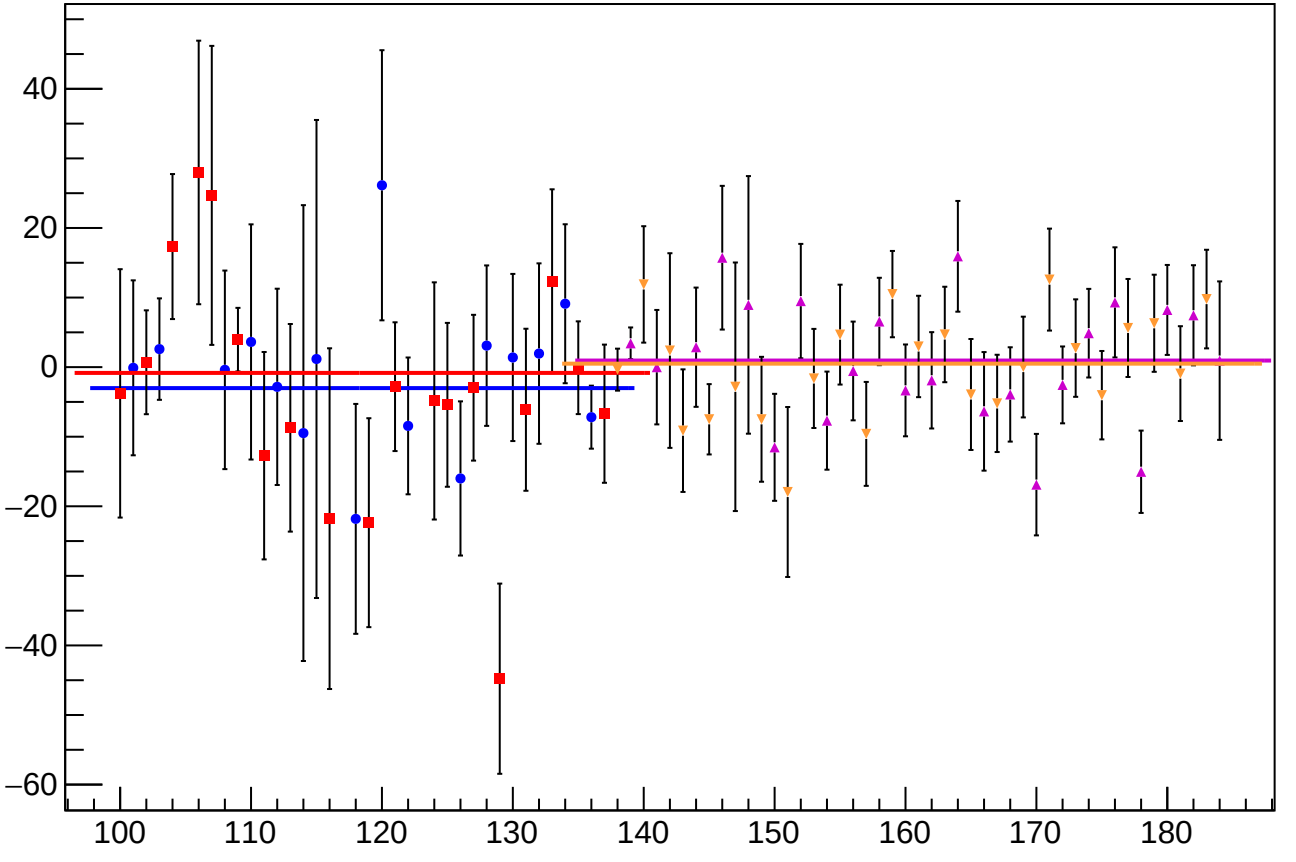
In: -1.490+/-2.429 χ^2/NDF:28.0/38

Out: -0.329+/-2.358 χ^2/NDF:50.2/42

All: -0.892+/-1.692 χ^2/NDF: 78.3/81


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: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12141.228+/-1.438 χ²/NDF: 2977112.5/46
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 12038.800+/-1.717 χ²/NDF:1709303.3/38
Out: 11911.027+/-1.667 χ²/NDF:1662685.3/42
All: 11973.017+/-1.196 χ²/NDF: 3374838.2/8

diff_bpm11Y_mean vs Slug, Sign Corrected



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+/-1.294 χ^2/NDF:32.2/22

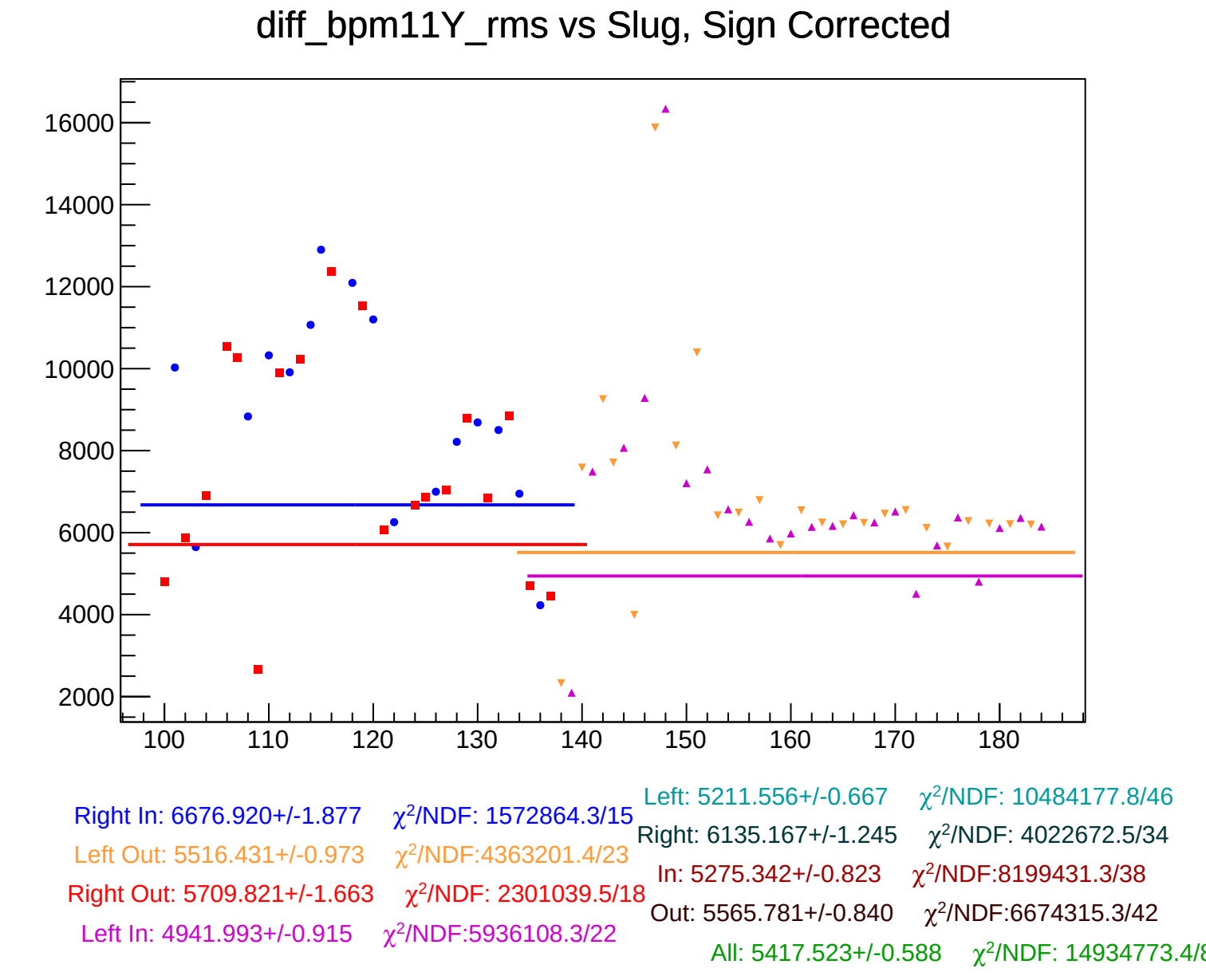
Left: 0.736+/-0.943 χ^2/NDF: 53.6/46

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

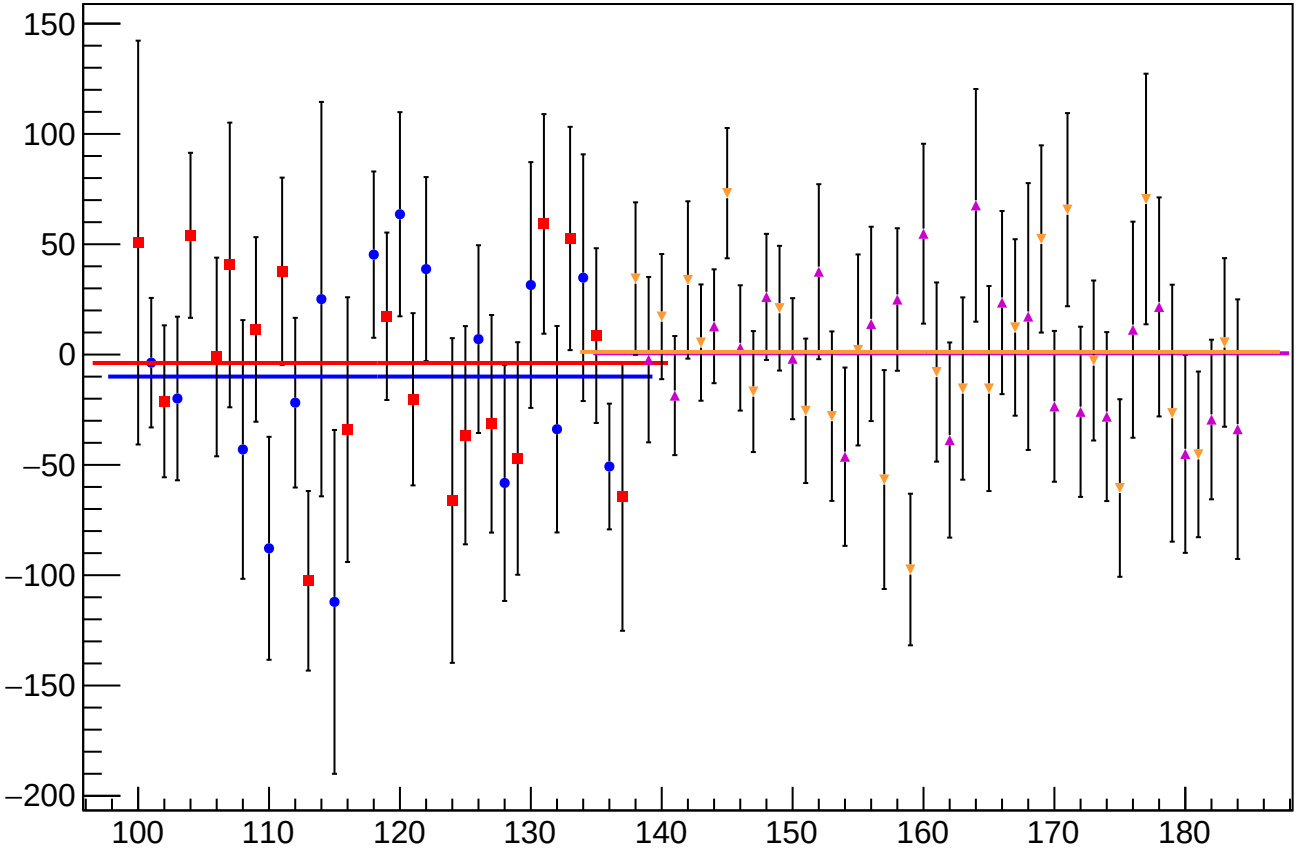
In: 0.185+/-1.163 χ^2/NDF:42.6/38

Out: 0.159+/-1.188 χ^2/NDF:45.5/42

All: 0.173+/-0.831 χ^2/NDF: 88.1/81


diff_bpm11Y_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
Right In: 6676.920+/-1.877 χ²/NDF: 1572864.3/15
Left Out: 5516.431+/-0.973 χ²/NDF:4363201.4/23
Right Out: 5709.821+/-1.663 χ²/NDF: 2301039.5/18
Left In: 4941.993+/-0.915 χ²/NDF:5936108.3/22
Left: 5211.556+/-0.667 χ²/NDF: 10484177.8/46
Right: 6135.167+/-1.245 χ²/NDF: 4022672.5/34
In: 5275.342+/-0.823 χ²/NDF:8199431.3/38
Out: 5565.781+/-0.840 χ²/NDF:6674315.3/42
All: 5417.523+/-0.588 χ²/NDF: 14934773.4/8

diff_bpm12X_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: 0.586+/-7.667 χ^2/NDF:12.8/22

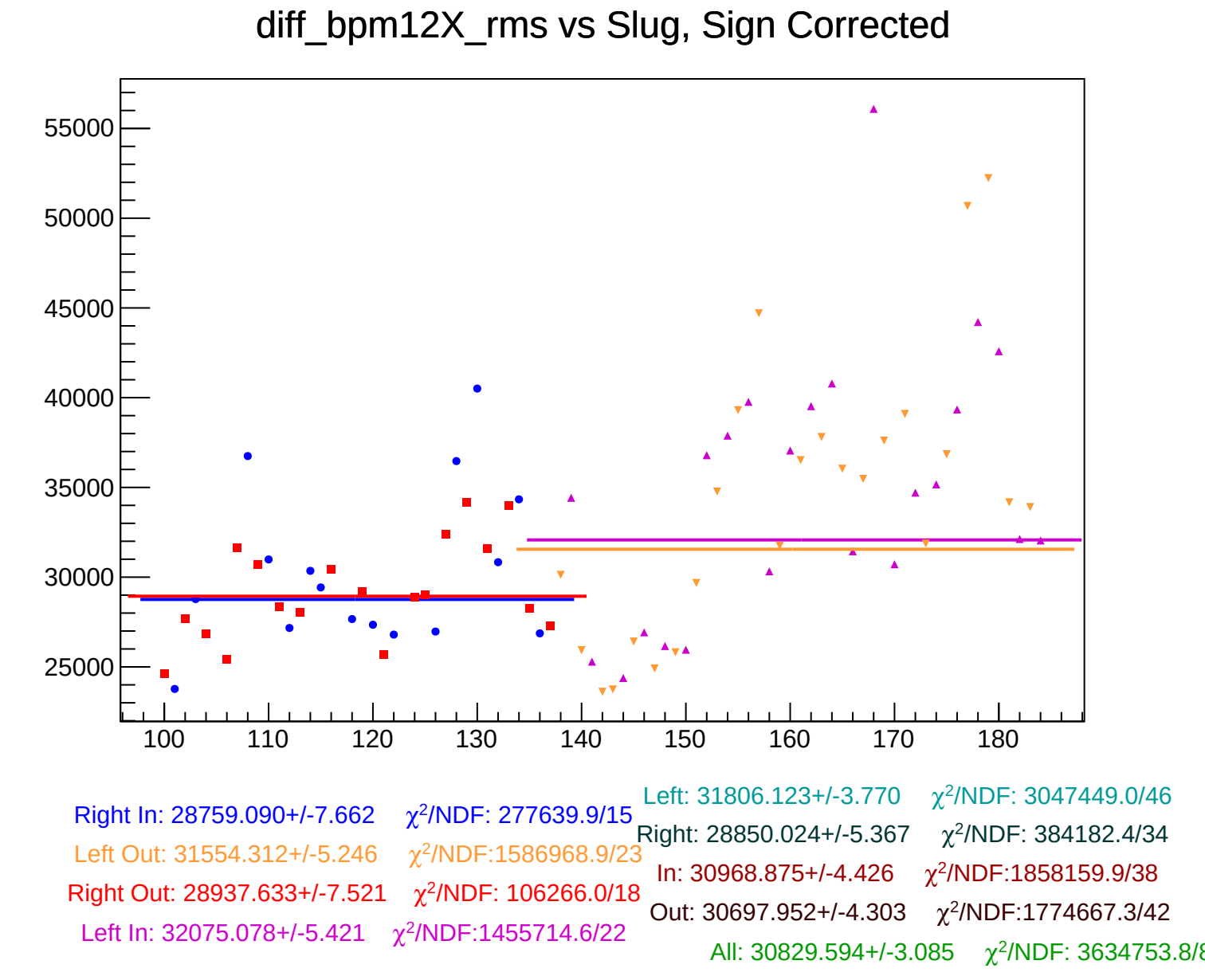
Left: 0.903+/-5.331 χ^2/NDF: 42.3/46

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

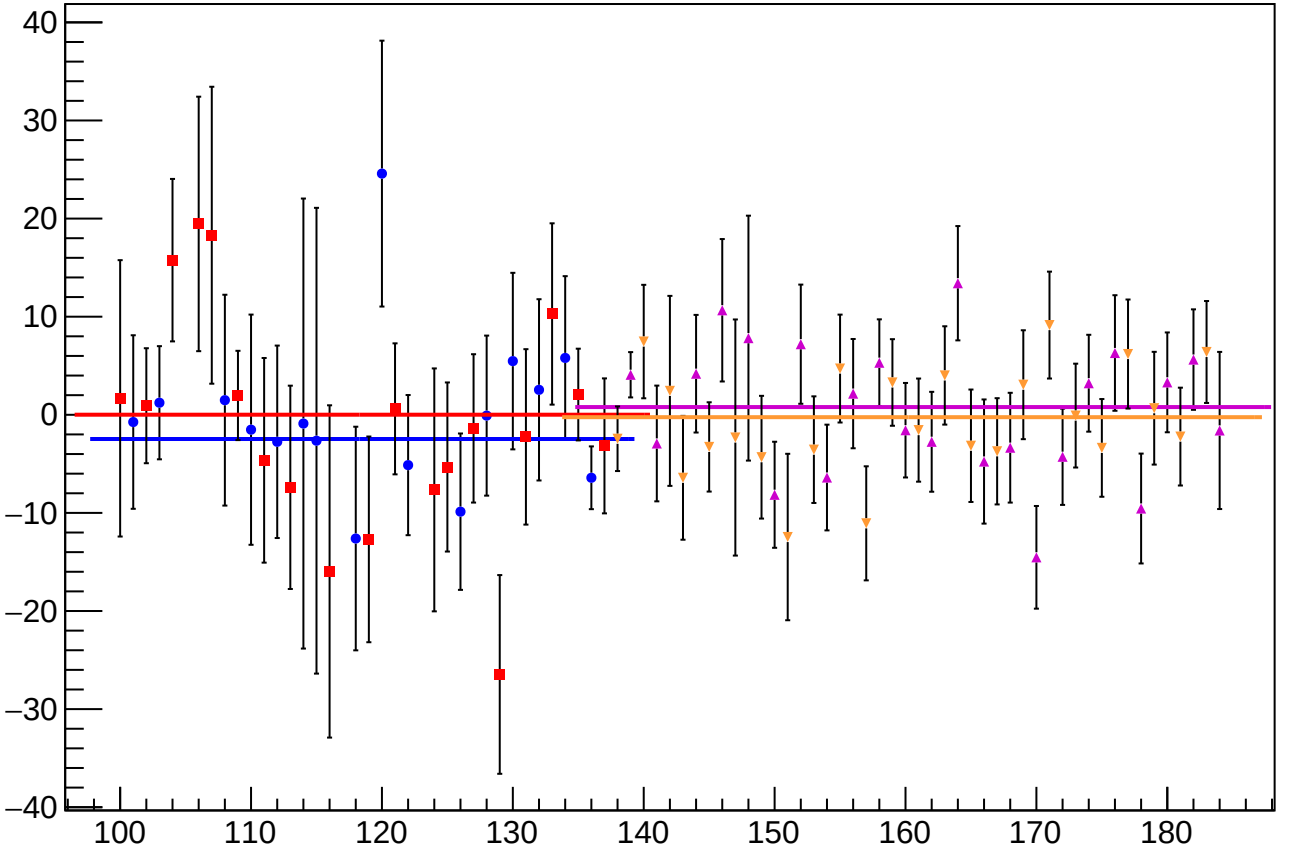
In: -2.935+/-6.259 χ^2/NDF:28.7/38

Out: -0.441+/-6.085 χ^2/NDF:46.9/42

All: -1.653+/-4.363 χ^2/NDF: 75.7/81


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: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31806.123+/-3.770 χ²/NDF: 3047449.0/46
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30968.875+/-4.426 χ²/NDF:1858159.9/38
Out: 30697.952+/-4.303 χ²/NDF:1774667.3/42
All: 30829.594+/-3.085 χ²/NDF: 3634753.8/8

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: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.293+/-0.764 χ^2/NDF: 54.1/46

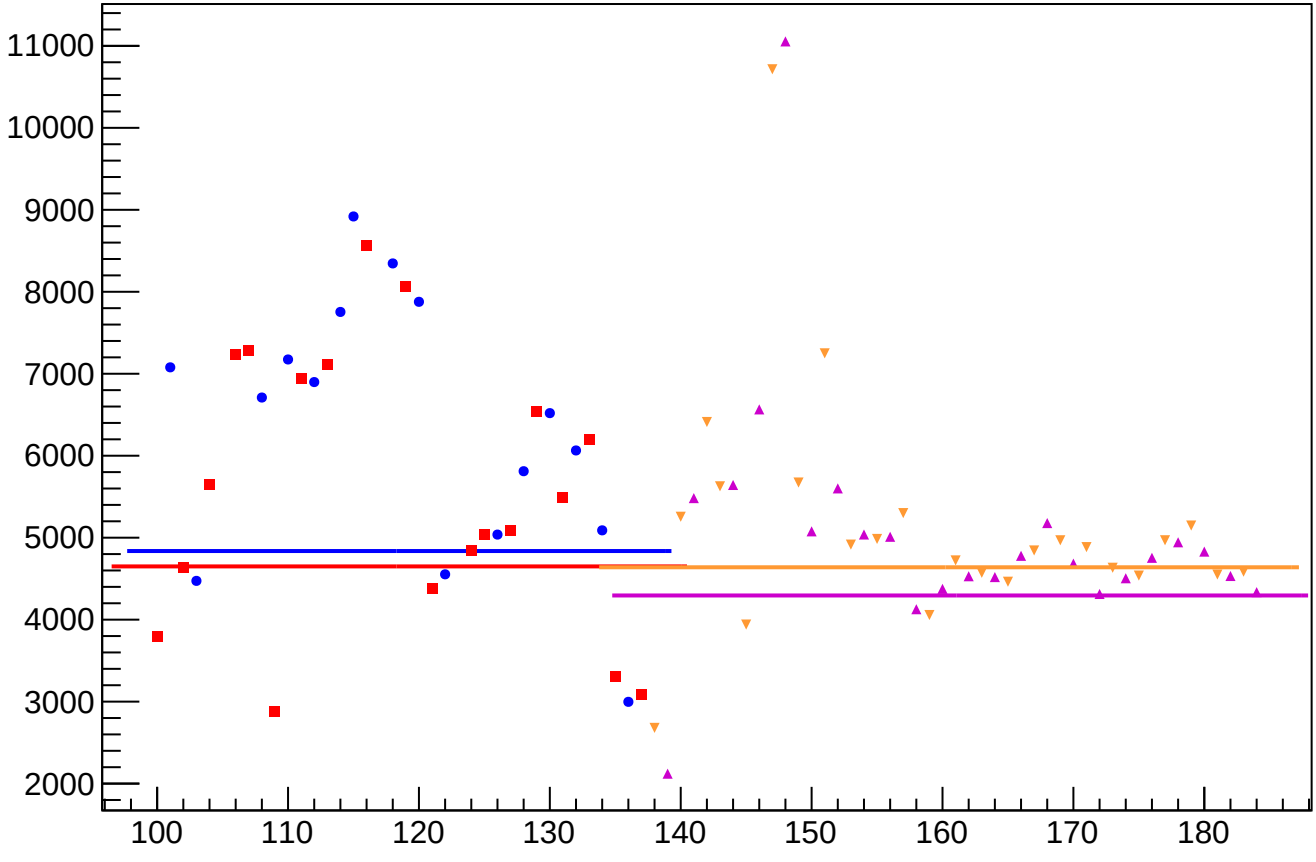
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.024+/-0.928 χ^2/NDF:46.0/38

Out: -0.176+/-0.944 χ^2/NDF:39.8/42

All: -0.074+/-0.662 χ^2/NDF: 85.9/81

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: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

Left: 4460.412+/-0.540 χ^2/NDF: 4959531.3/46

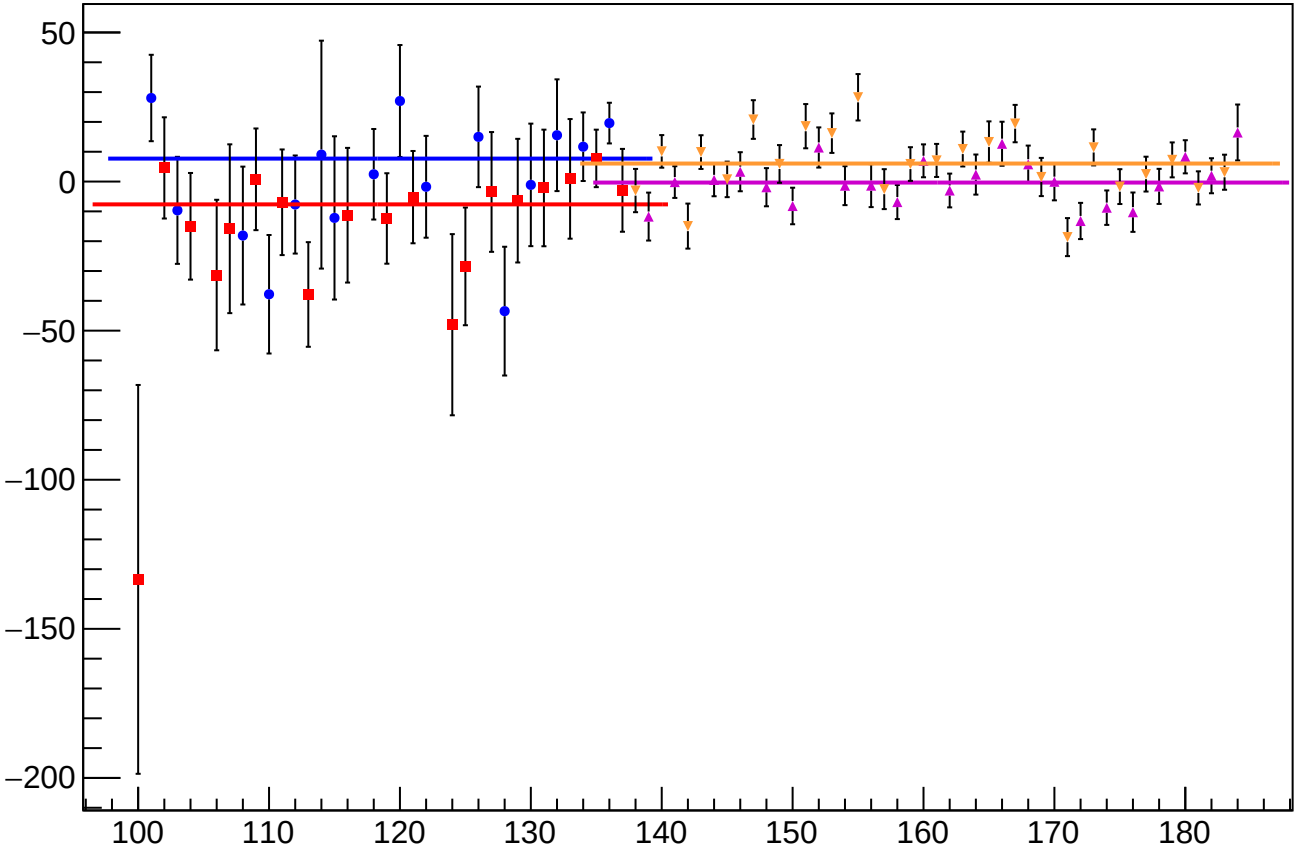
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4422.264+/-0.656 χ^2/NDF:4765962.7/38

Out: 4641.806+/-0.667 χ^2/NDF:3197430.6/42

All: 4530.156+/-0.468 χ^2/NDF: 8018415.5/81

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: -0.337+/-1.301 χ^2/NDF:29.4/22

Left: 2.937+/-0.908 χ^2/NDF: 100.2/46

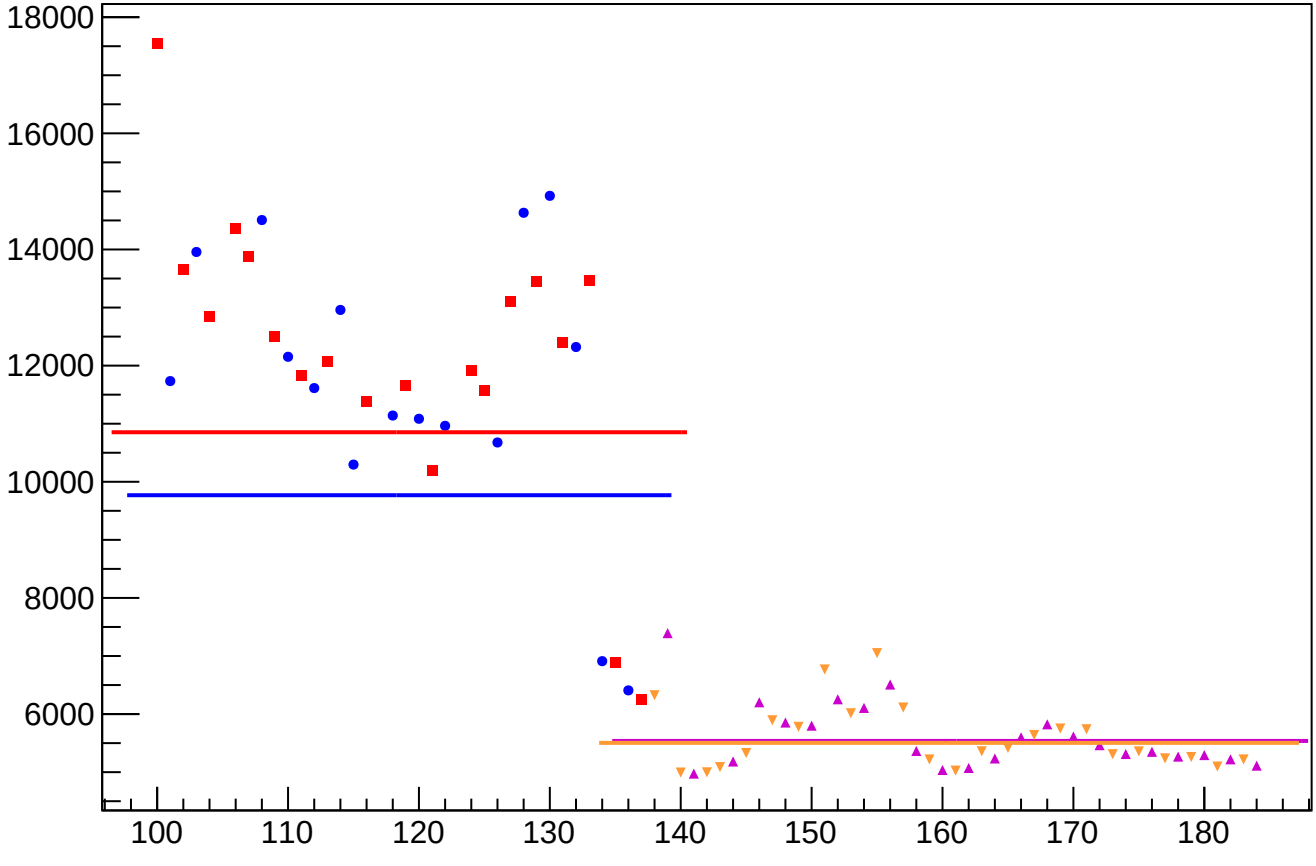
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 0.498+/-1.231 χ^2/NDF:54.9/38

Out: 4.848+/-1.211 χ^2/NDF:83.3/42

All: 2.710+/-0.863 χ^2/NDF: 144.6/81

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: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5520.639+/-0.642 χ^2/NDF: 600291.2/46

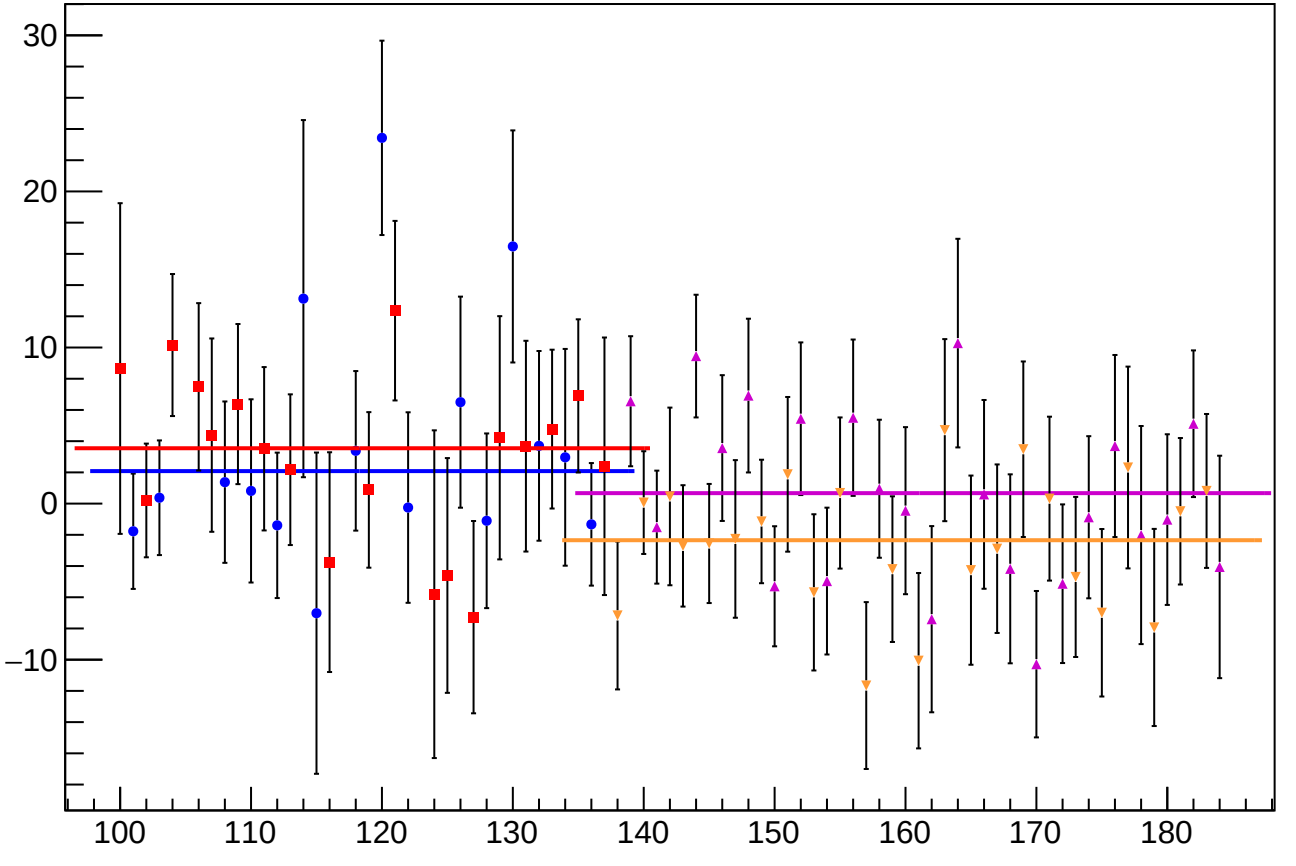
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 5977.446+/-0.871 χ^2/NDF:3716574.2/38

Out: 5970.880+/-0.856 χ^2/NDF:4278016.1/42

All: 5974.107+/-0.610 χ^2/NDF: 7994619.3/81

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: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.890+/-0.716 χ^2/NDF: 47.1/46

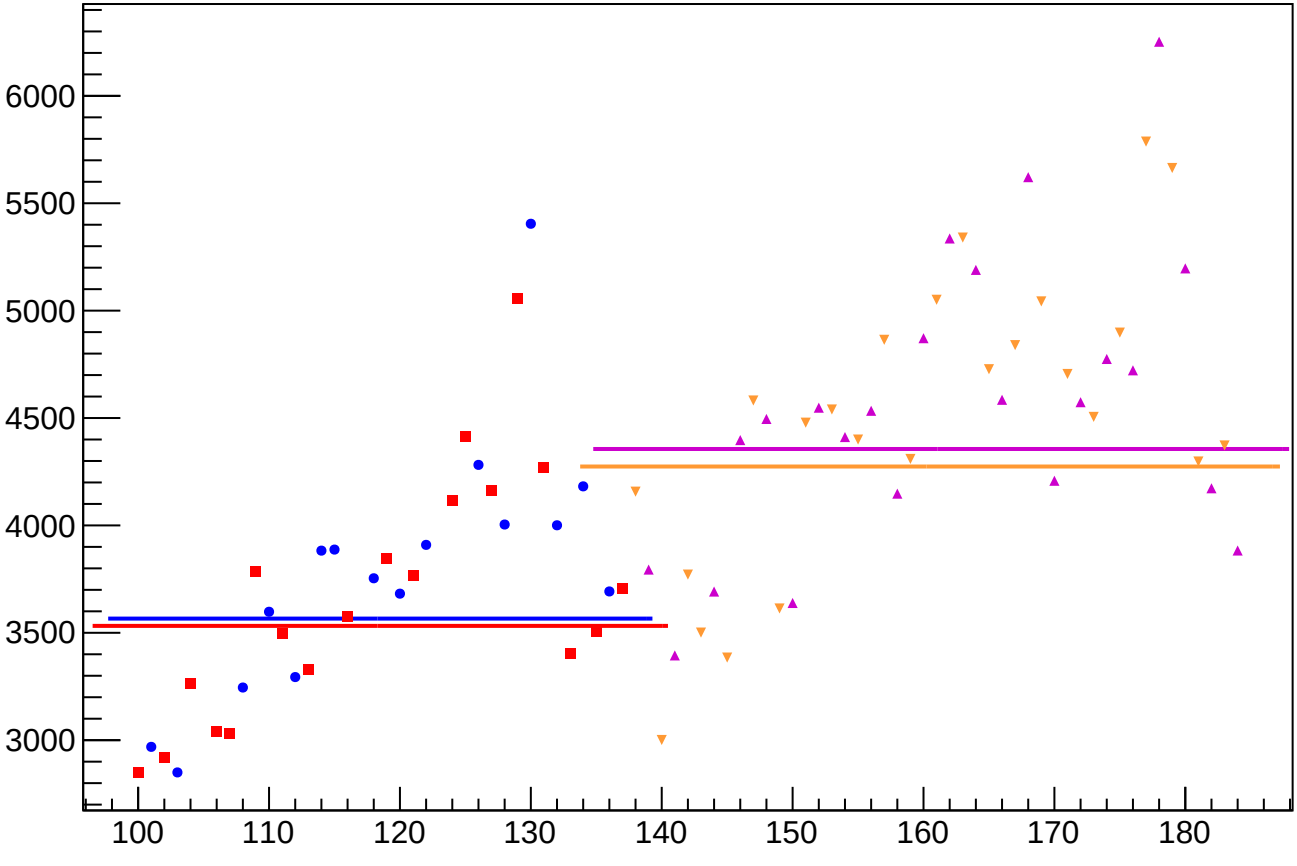
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 1.193+/-0.818 χ^2/NDF:50.0/38

Out: -0.176+/-0.791 χ^2/NDF:40.6/42

All: 0.485+/-0.569 χ^2/NDF: 92.1/81

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: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4313.624+/-0.506 χ^2/NDF: 1779015.9/46

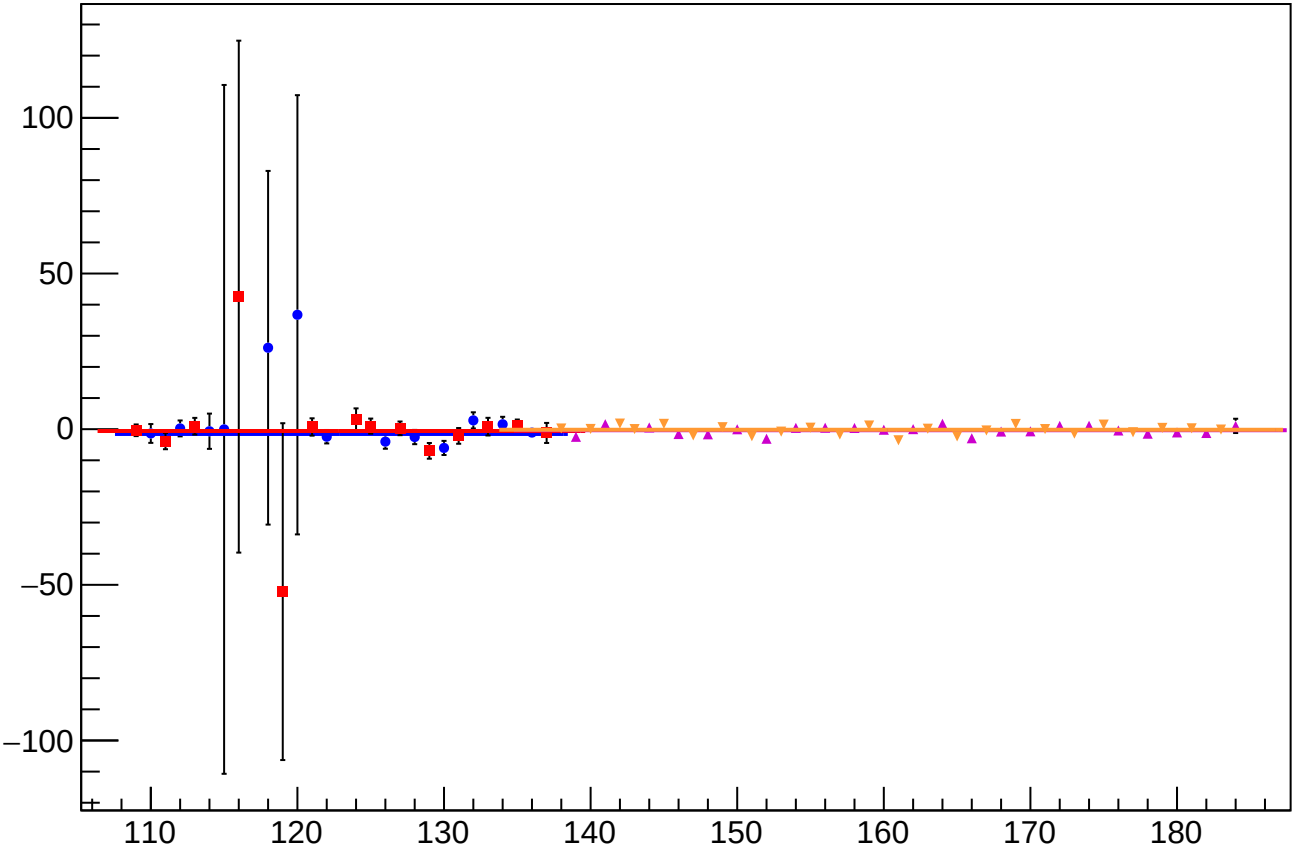
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 4063.707+/-0.579 χ^2/NDF:1518353.2/38

Out: 4000.992+/-0.560 χ^2/NDF:1717221.0/42

All: 4031.303+/-0.402 χ^2/NDF: 3241644.6/81

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: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.259+/-0.169 χ^2/NDF: 63.2/46

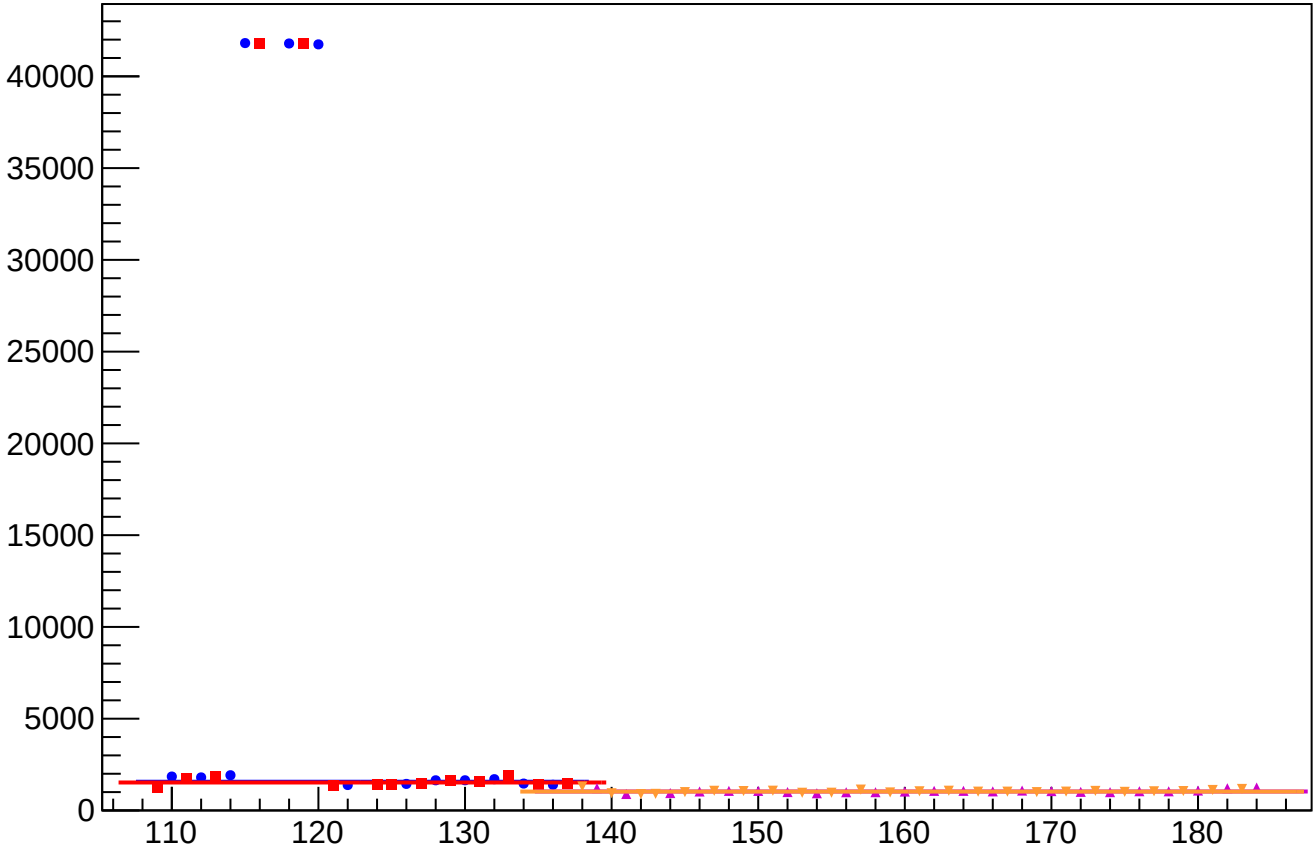
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.452+/-0.230 χ^2/NDF:42.9/35

Out: -0.228+/-0.225 χ^2/NDF:46.6/37

All: -0.337+/-0.161 χ^2/NDF: 90.0/73

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: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1030.871+/-0.120 χ^2/NDF: 407544.8/46

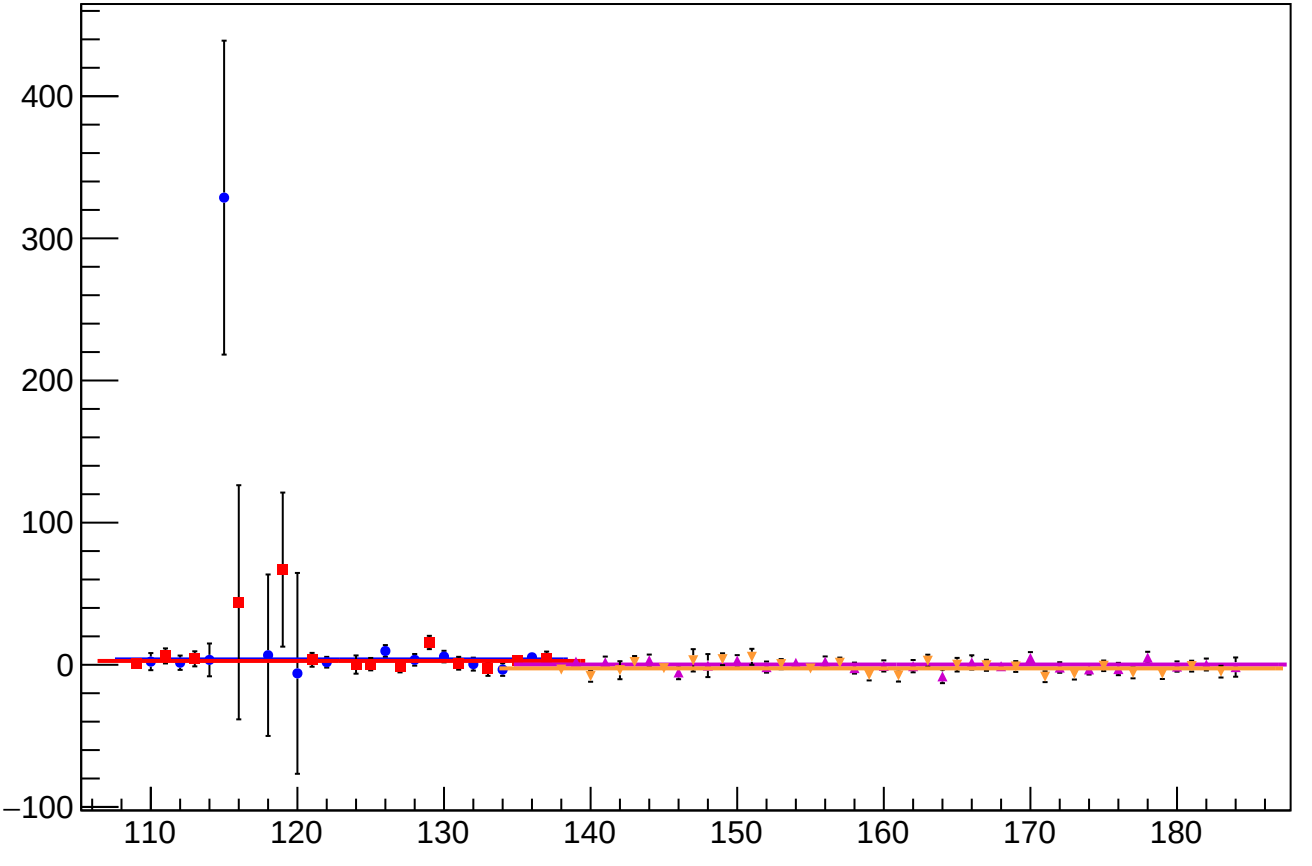
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1085.062+/-0.163 χ^2/NDF:3153205.6/35

Out: 1077.624+/-0.159 χ^2/NDF:2817825.5/37

All: 1081.256+/-0.114 χ^2/NDF: 5972102.2/73

diff_bpm1p02bY_mean vs Slug, Sign Corrected



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: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.221+/-0.564 χ^2/NDF: 39.1/46

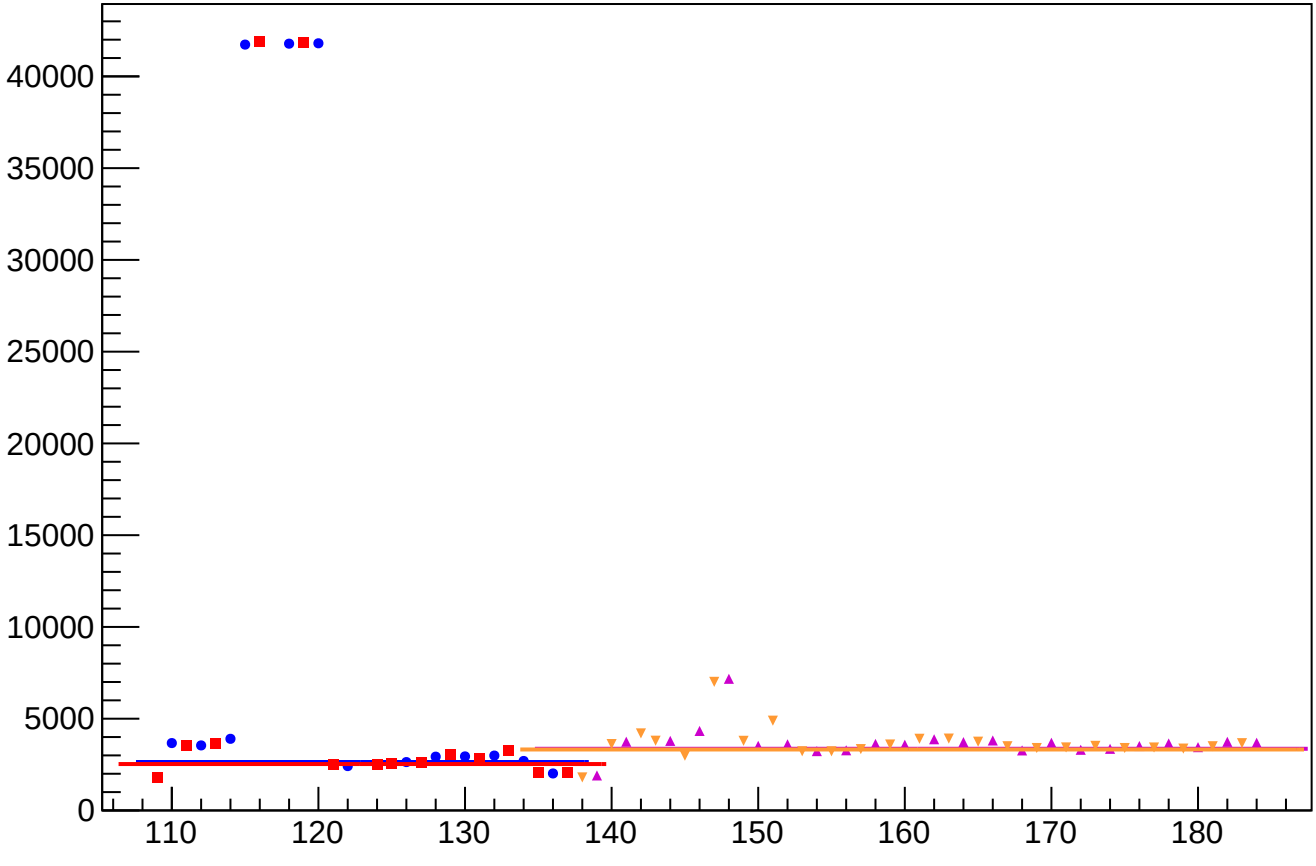
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.239+/-0.679 χ^2/NDF:33.7/35

Out: -0.979+/-0.659 χ^2/NDF:47.5/37

All: 0.097+/-0.473 χ^2/NDF: 86.7/73

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: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3341.058+/-0.399 χ^2/NDF: 3556939.7/46

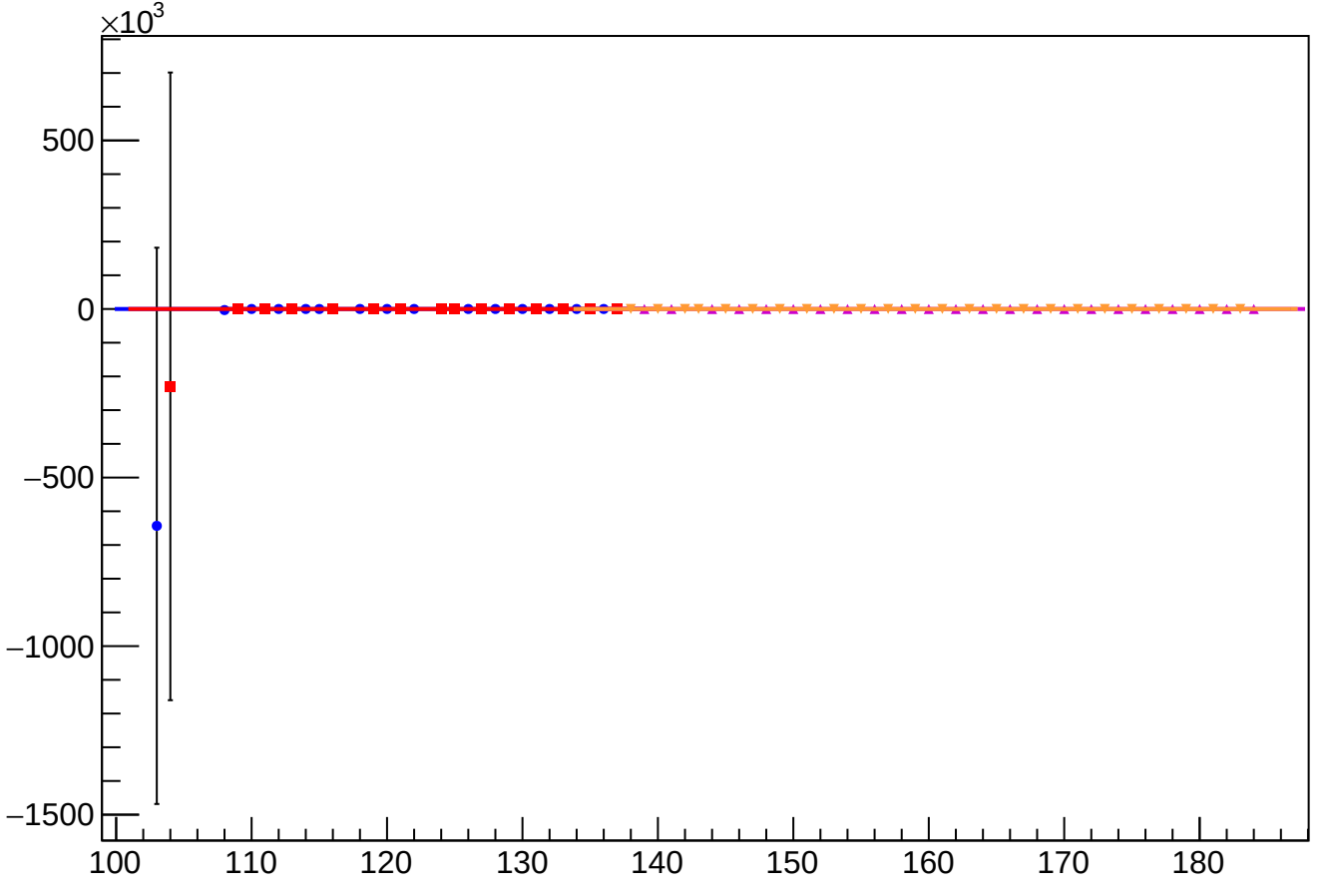
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3147.365+/-0.480 χ^2/NDF:4292235.3/35

Out: 3087.137+/-0.466 χ^2/NDF:4459151.0/37

All: 3116.360+/-0.335 χ^2/NDF: 8759480.9/73

diff_bpm1p03aX_mean vs Slug, Sign Corrected



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: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.831+/-0.261 χ^2/NDF: 86.2/46

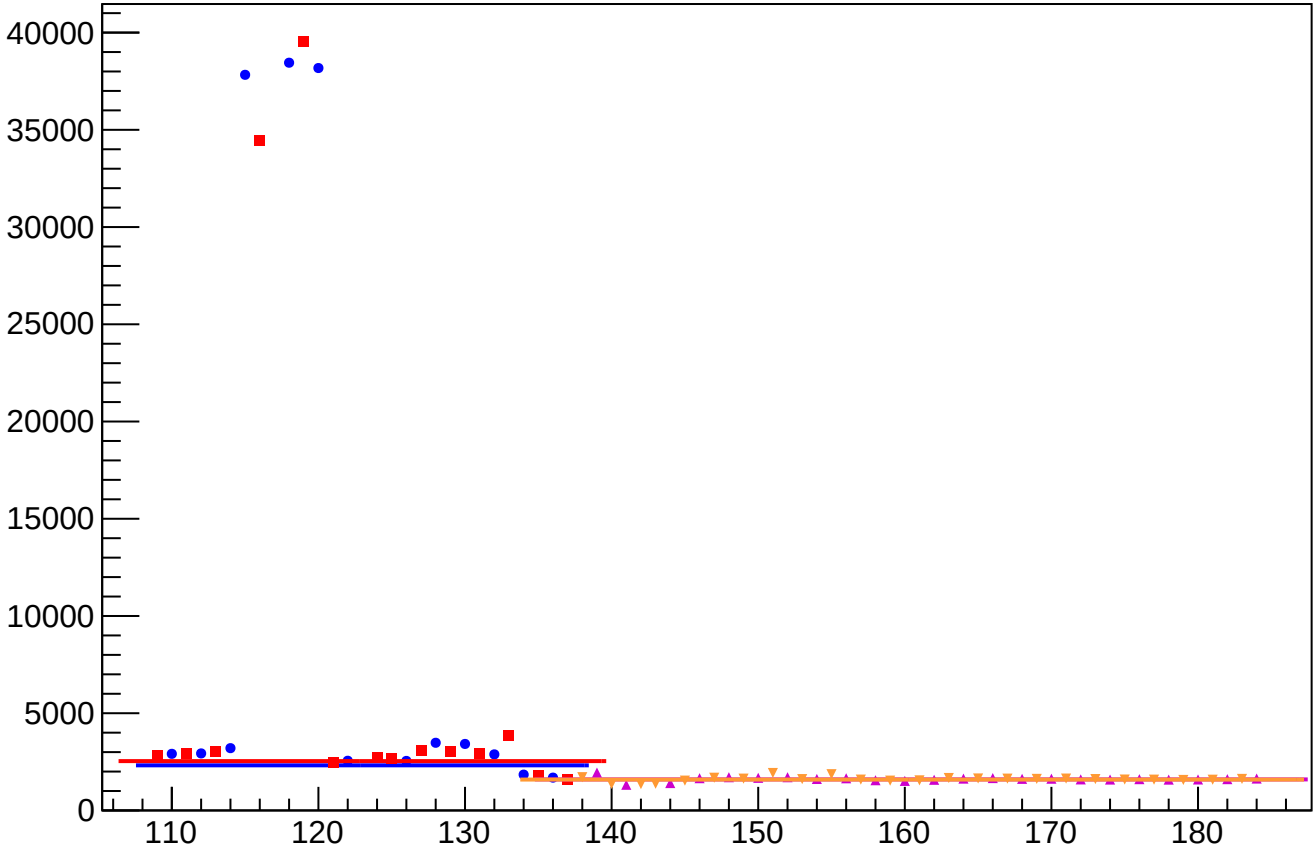
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.137+/-0.355 χ^2/NDF:47.1/37

Out: -1.248+/-0.350 χ^2/NDF:75.5/38

All: -0.702+/-0.249 χ^2/NDF: 127.6/76

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: 1596.179+/-0.265 χ^2/NDF:196833.1/22

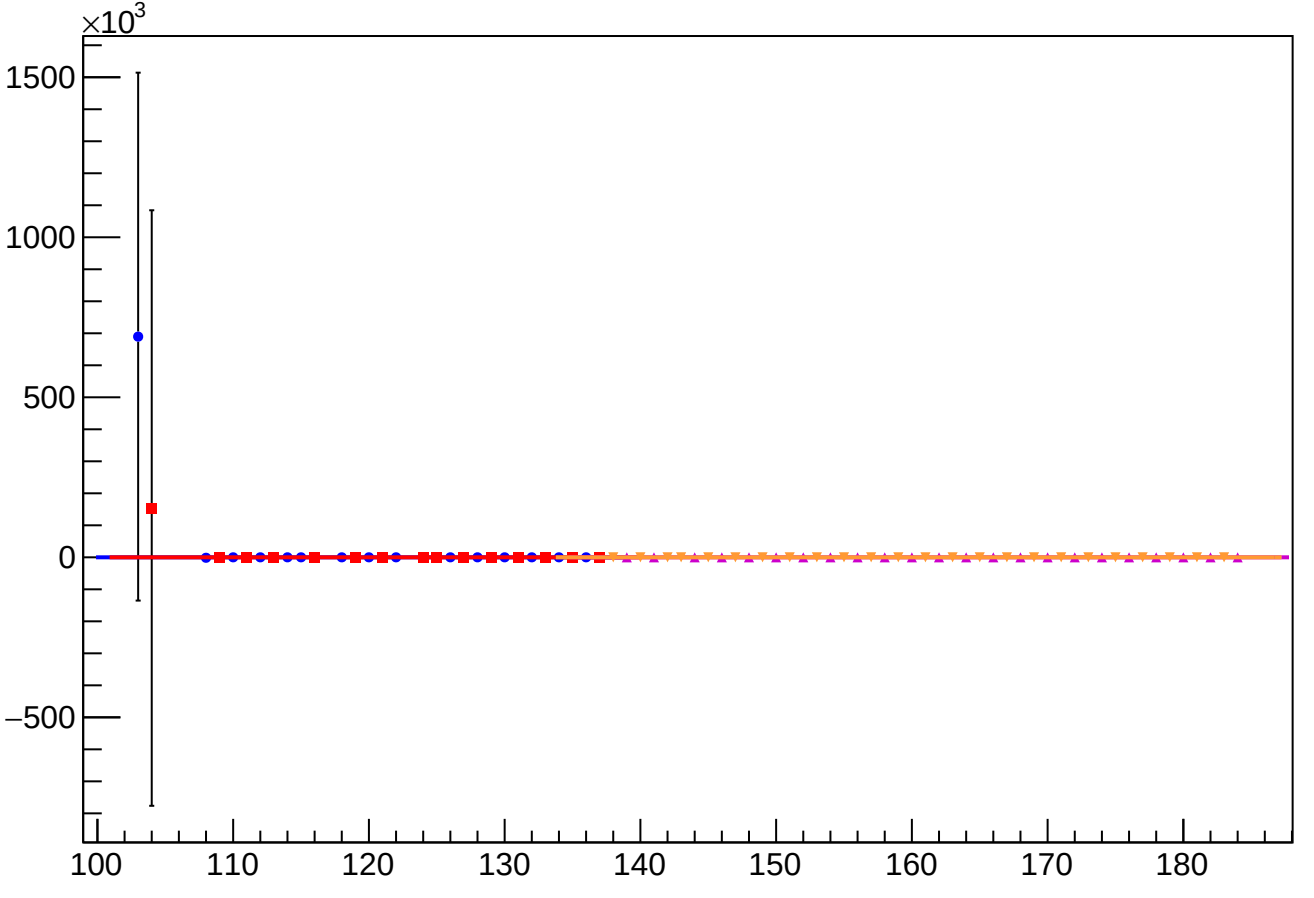
Left: 1592.256+/-0.185 χ^2/NDF: 428645.0/46

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1668.382+/-0.251 χ^2/NDF:3404215.6/35

Out: 1667.608+/-0.247 χ^2/NDF:3395380.7/37

All: 1667.989+/-0.176 χ^2/NDF: 6799601.1/73



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: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.688+/-0.356 χ^2/NDF: 41.7/46

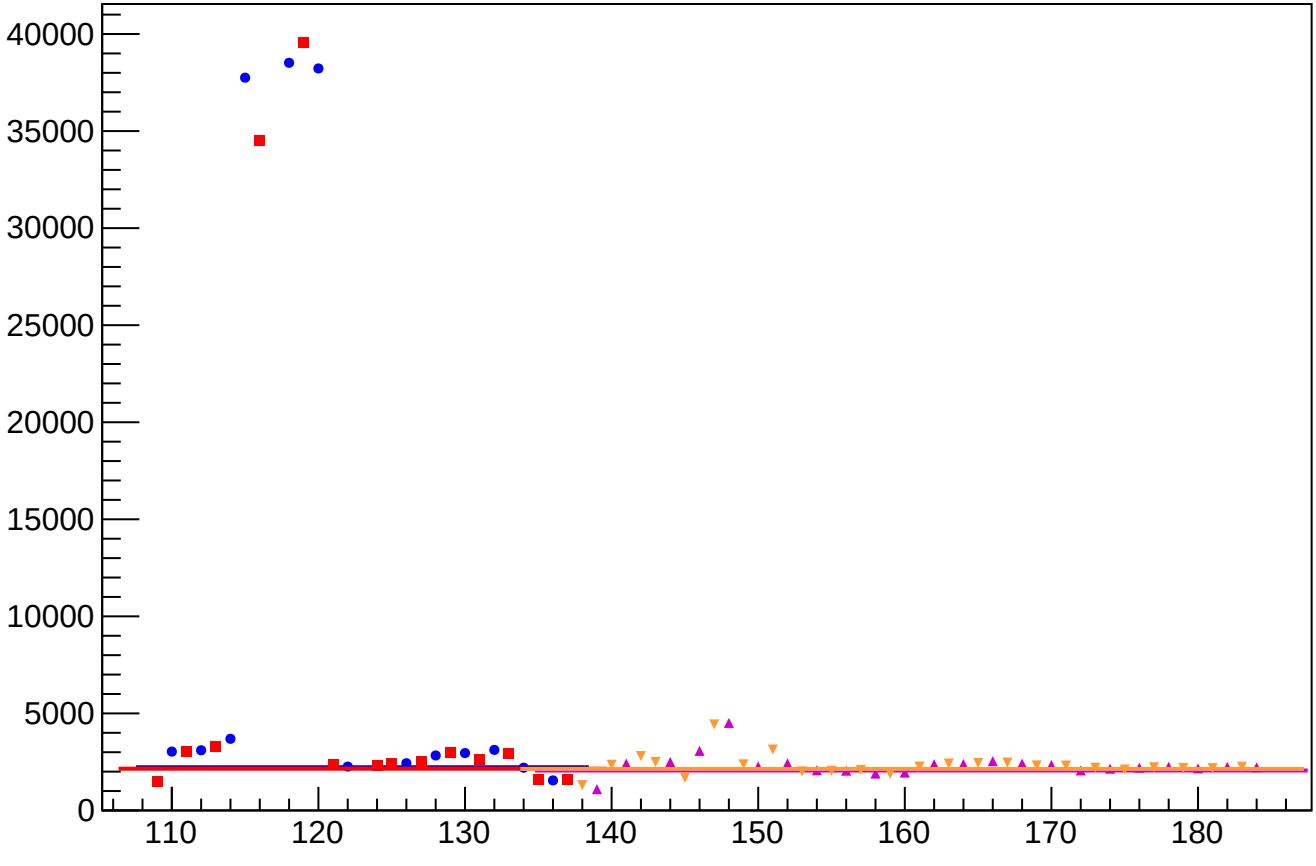
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.202+/-0.454 χ^2/NDF:24.3/37

Out: -0.669+/-0.456 χ^2/NDF:44.9/38

All: -0.232+/-0.322 χ^2/NDF: 71.0/76

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: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

Left: 2097.330+/-0.252 χ^2/NDF: 3795268.3/46

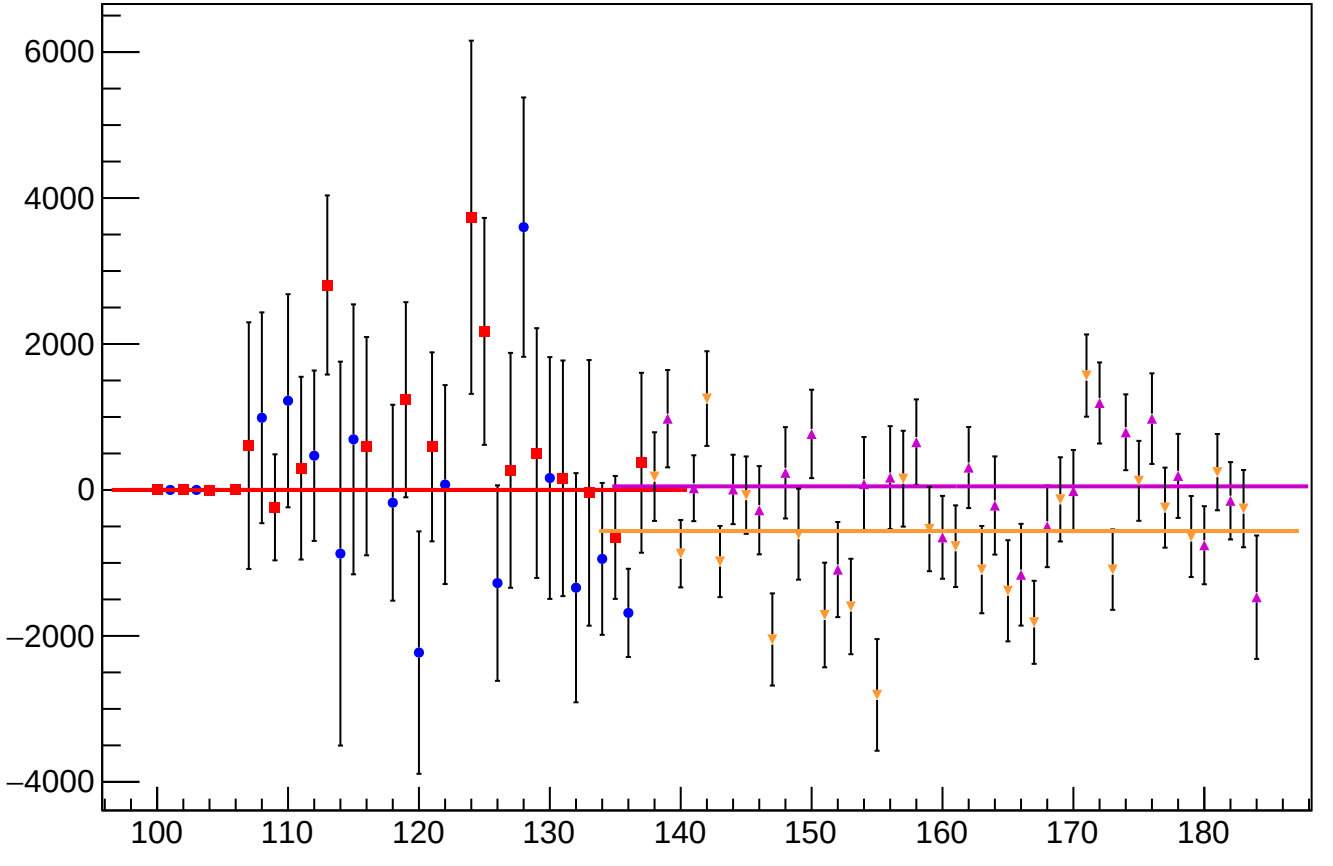
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2088.285+/-0.321 χ^2/NDF:4856274.1/35

Out: 2139.696+/-0.322 χ^2/NDF:3708698.1/37

All: 2113.919+/-0.228 χ^2/NDF: 8577737.6/73

diff_cav4bX_mean vs Slug, Sign Corrected



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: 49.119+/-121.932 χ^2/NDF:28.0/22

Left: -266.459+/-84.842 χ^2/NDF: 100.3/46

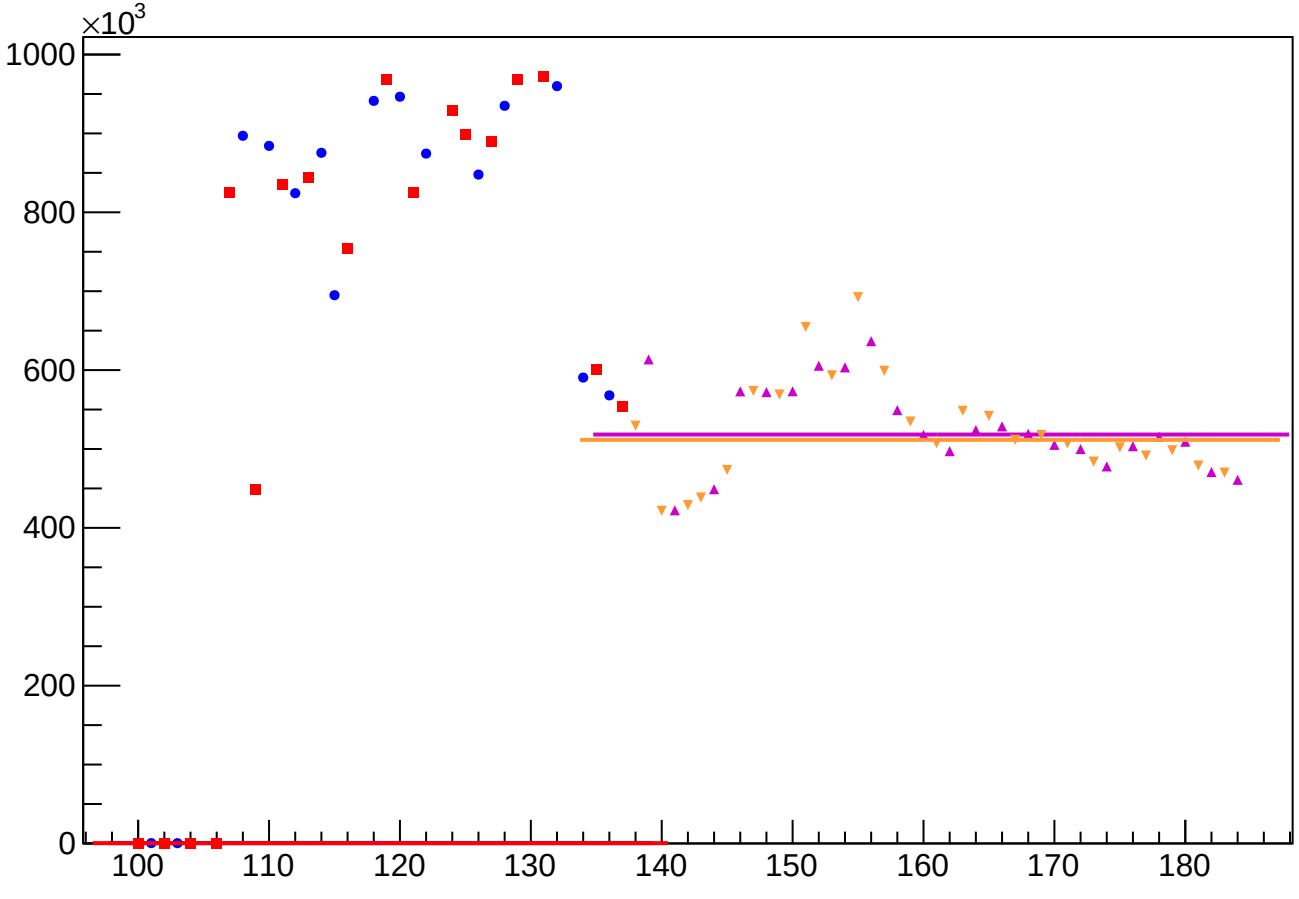
Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:45.9/38

Out: -0.100+/-0.328 χ^2/NDF:97.5/42

All: 0.063+/-0.241 χ^2/NDF: 143.9/81

diff_cav4bX_rms vs Slug, Sign Corrected



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: 518313.411+/-86.219 χ^2/NDF:399884.6/22

Left: 514839.995+/-59.993 χ^2/NDF: 907485.6/46

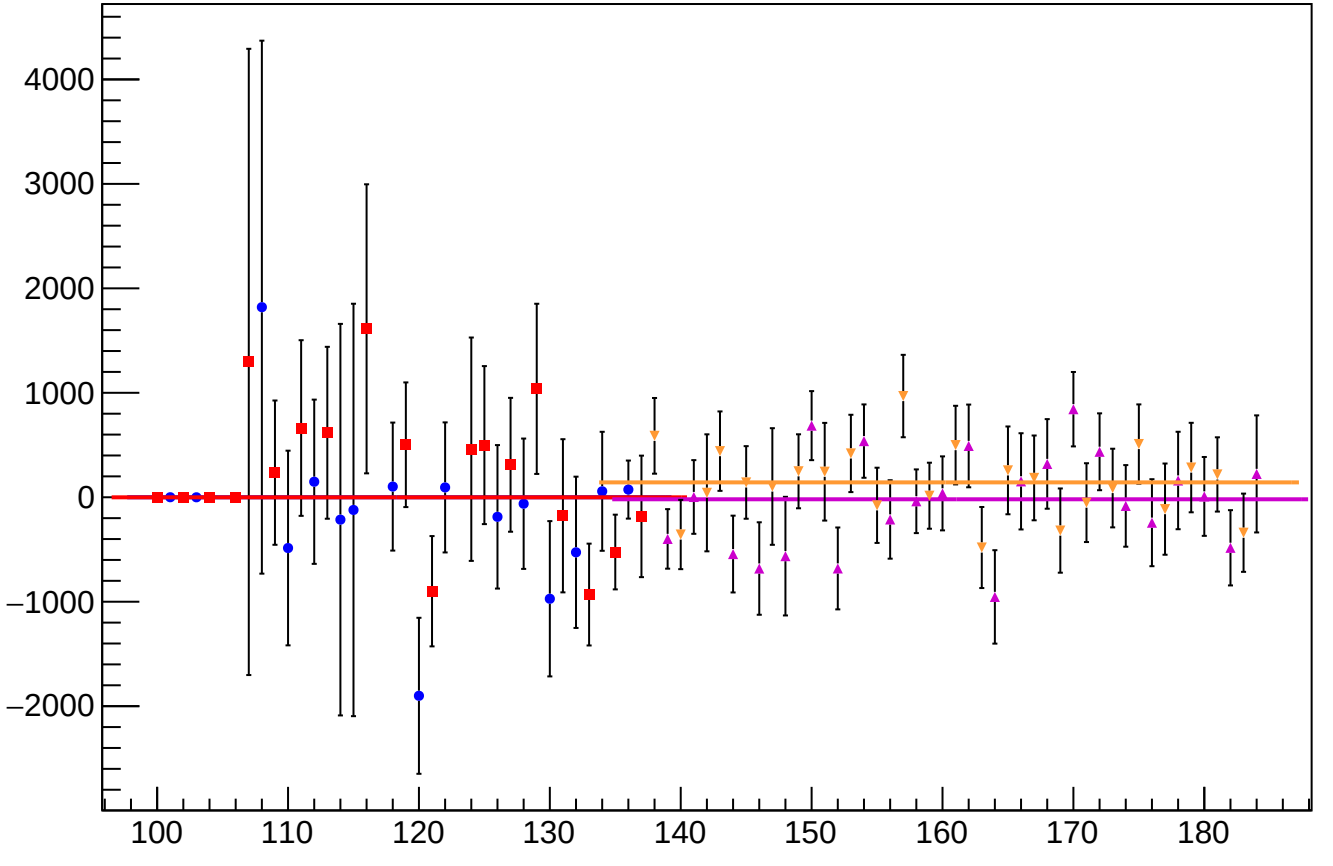
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 403.287+/-0.251 χ^2/NDF:44974797.4/37

Out: 397.176+/-0.232 χ^2/NDF:45605131.9/41

All: 399.982+/-0.170 χ^2/NDF: 90580248.6/79

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: -19.324+/-79.767 χ^2/NDF:33.7/22

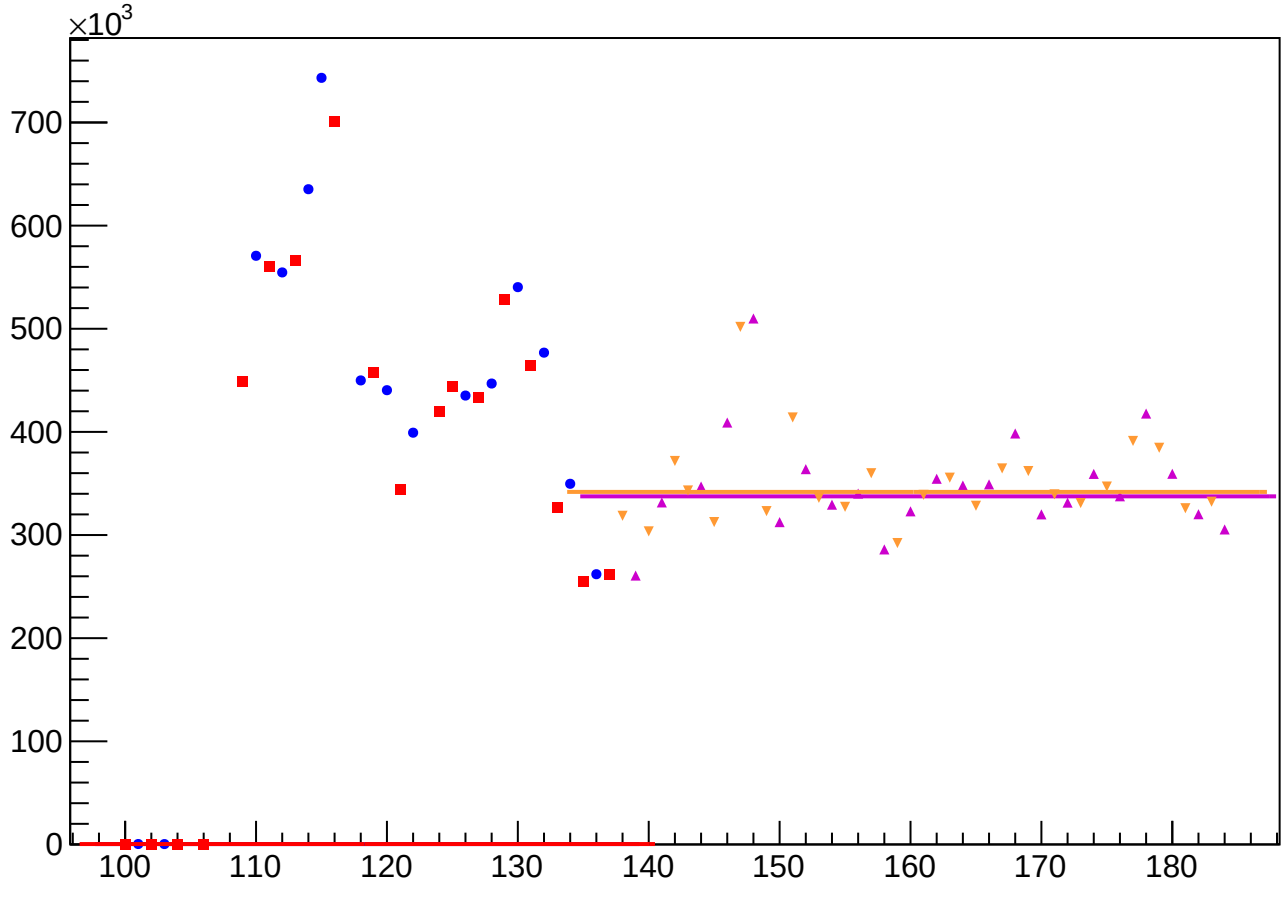
Left: 62.456+/-56.094 χ^2/NDF: 54.1/46

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.021+/-0.347 χ^2/NDF:44.2/38

Out: -0.596+/-0.324 χ^2/NDF:36.6/42

All: -0.329+/-0.237 χ^2/NDF: 82.3/81



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: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339688.769+/-39.665 χ^2/NDF: 1002058.2/46

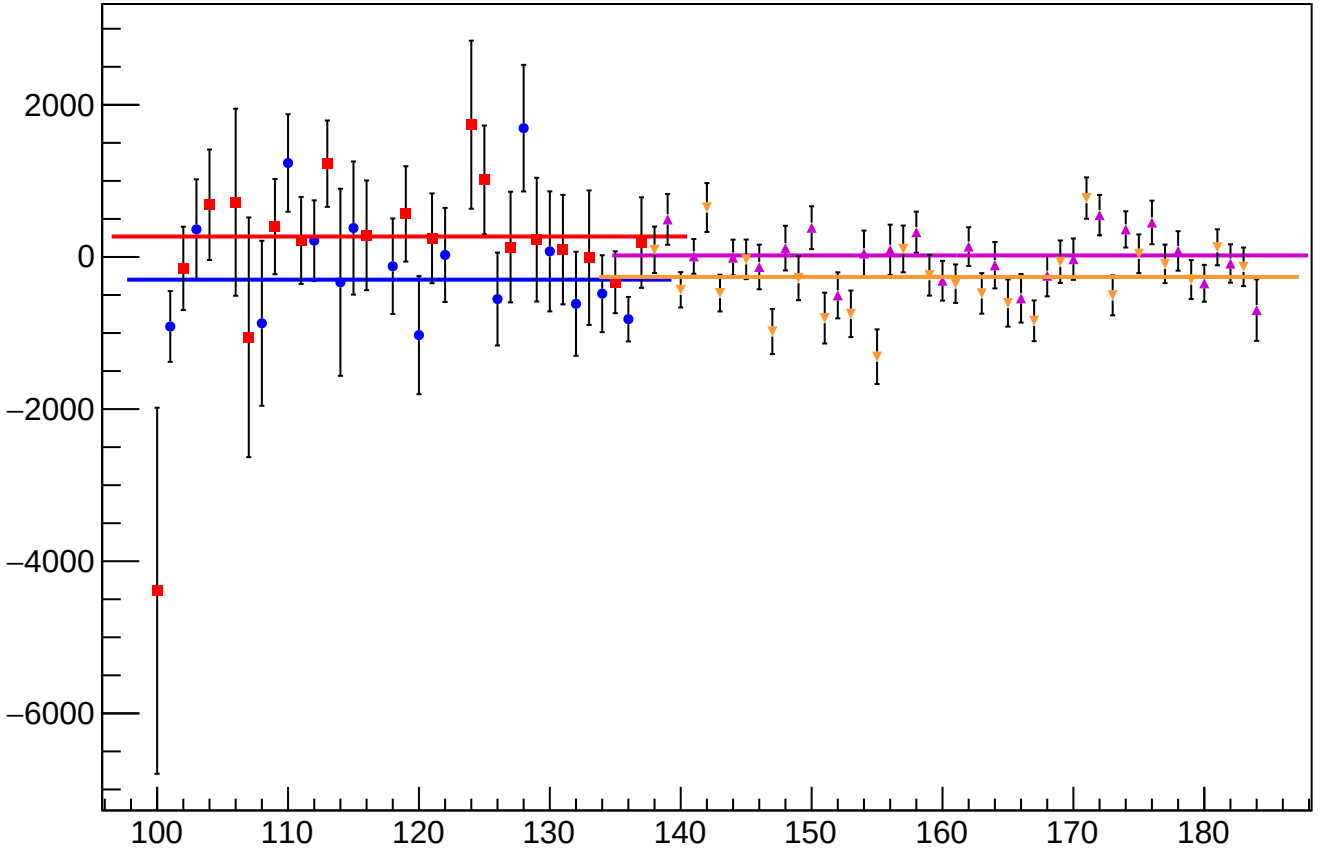
Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 396.659+/-0.245 χ^2/NDF:47450861.3/37

Out: 393.735+/-0.229 χ^2/NDF:48929033.7/41

All: 395.095+/-0.167 χ^2/NDF: 96379970.8/79

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -262.717+/-55.864 χ^2/NDF:59.9/23

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

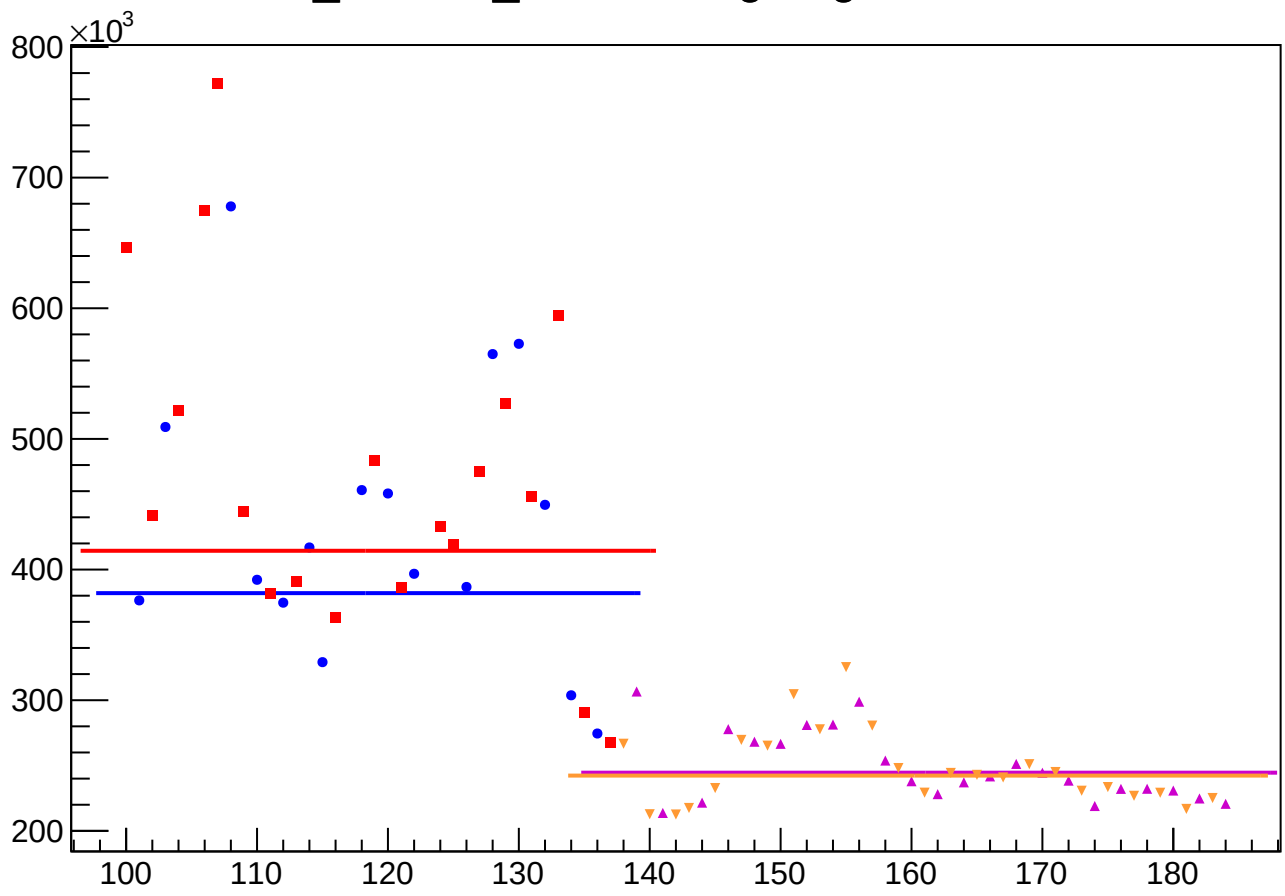
Left: -125.312+/-40.062 χ^2/NDF: 100.9/46

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -21.878+/-53.554 χ^2/NDF:53.8/38

Out: -202.691+/-52.616 χ^2/NDF:84.0/42

All: -113.882+/-37.532 χ^2/NDF: 143.6/81



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: 244542.686+/-40.647 χ^2/NDF:361527.4/22

Left: 243395.739+/-28.328 χ^2/NDF: 772599.8/46

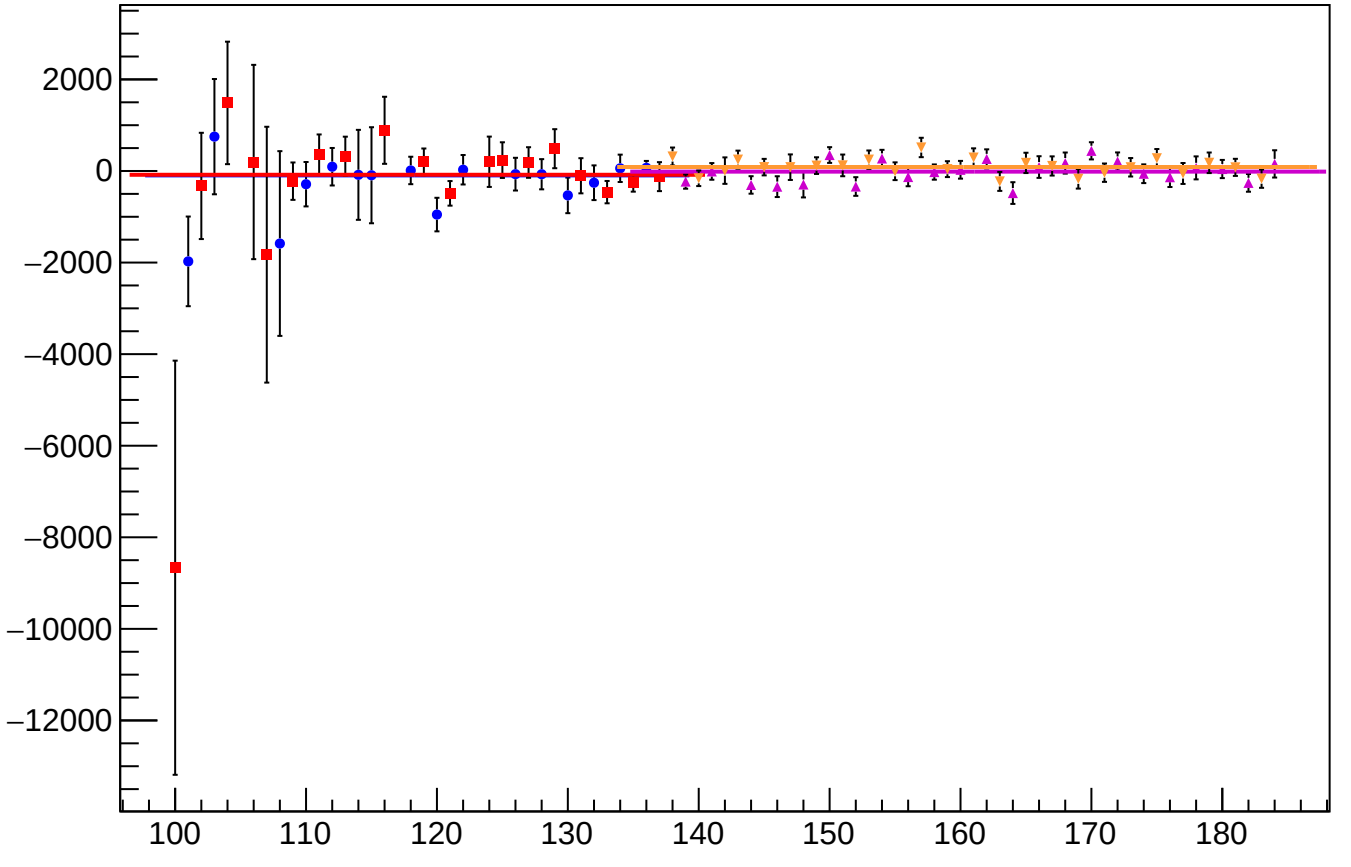
Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 262684.705+/-37.869 χ^2/NDF:2706891.8/38

Out: 261732.450+/-37.206 χ^2/NDF:3311036.1/42

All: 262200.168+/-26.540 χ^2/NDF: 6018249.

diff_cav4cY_mean vs Slug, Sign Corrected



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: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 37.227+/-29.651 χ^2/NDF: 53.8/46

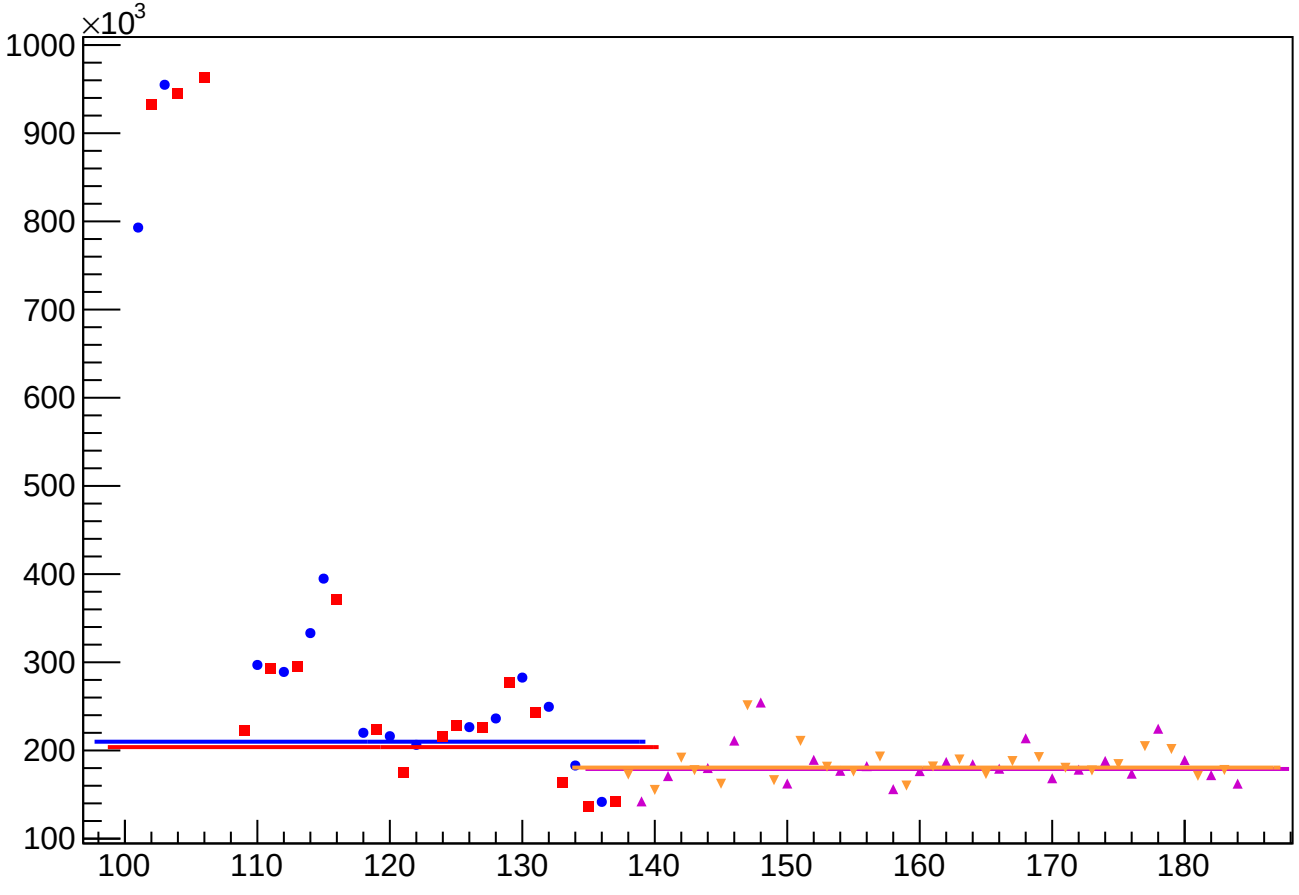
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -29.273+/-38.097 χ^2/NDF:47.6/38

Out: 55.592+/-37.583 χ^2/NDF:39.9/42

All: 13.735+/-26.755 χ^2/NDF: 89.9/81

diff_cav4cY_rms vs Slug, Sign Corrected



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: 179024.195+/-29.863 χ^2/NDF:501400.7/22

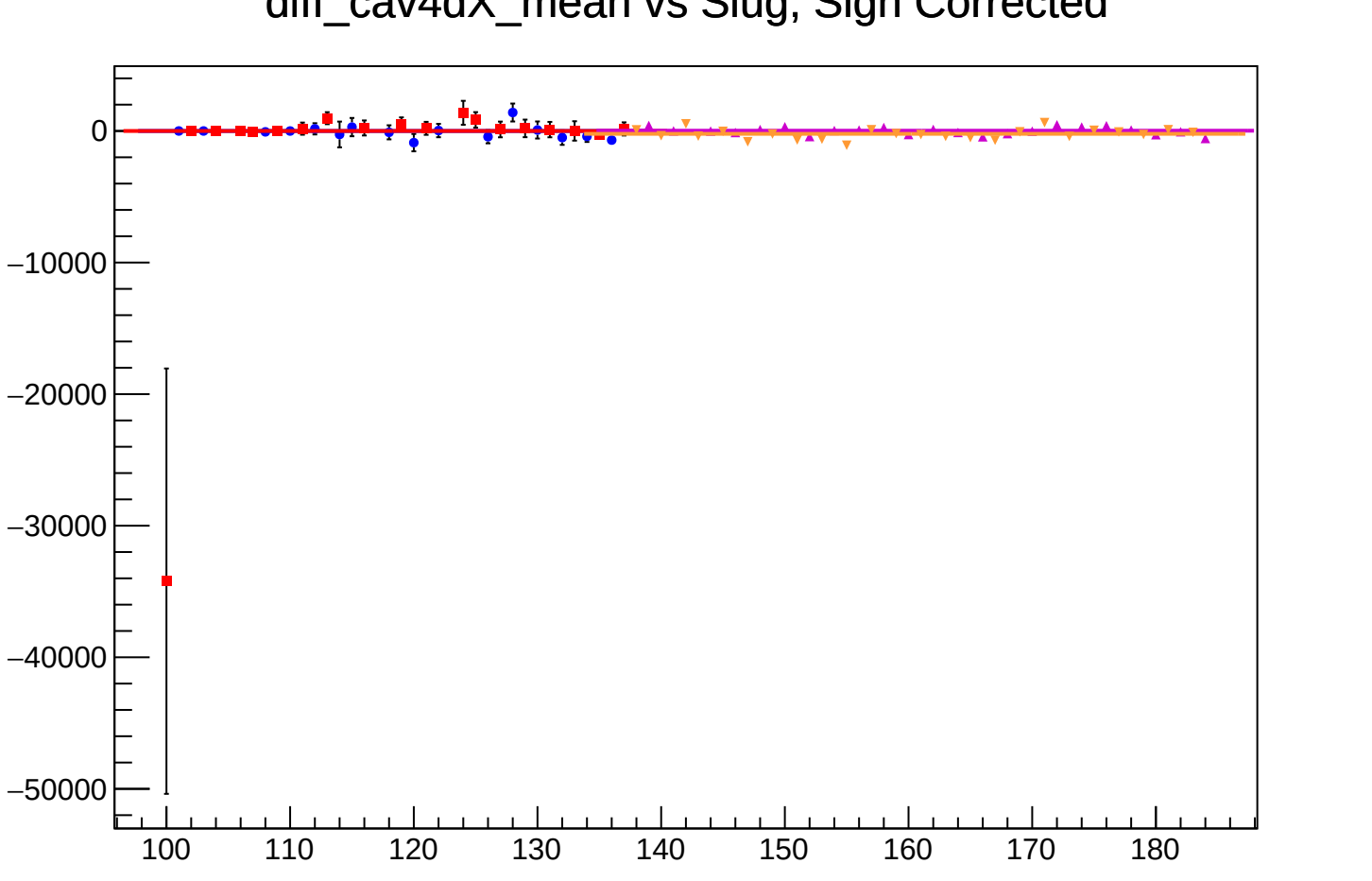
Left: 179816.058+/-20.966 χ^2/NDF: 845164.5/46

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 184765.140+/-26.947 χ^2/NDF:2660243.1/37

Out: 184868.093+/-26.588 χ^2/NDF:2527503.5/40

All: 184817.308+/-18.926 χ^2/NDF: 5187754.



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: 21.095+/-48.037 χ^2/NDF:28.6/22

Left: -101.708+/-33.476 χ^2/NDF: 100.9/46

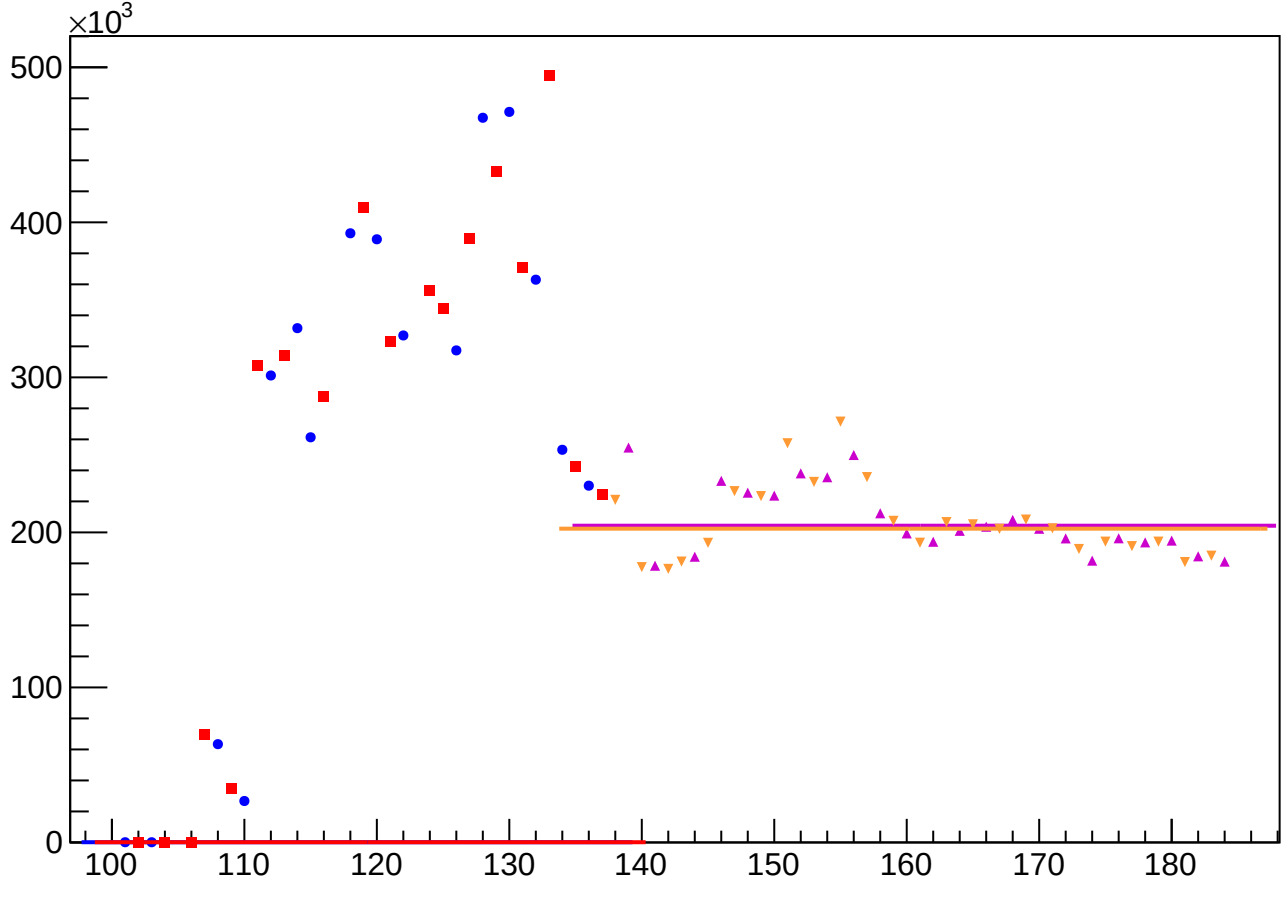
Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:46.9/38

Out: 0.353+/-0.160 χ^2/NDF:97.9/42

All: 0.173+/-0.117 χ^2/NDF: 147.5/81

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: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203326.422+/-23.671 χ^2/NDF: 807610.5/46

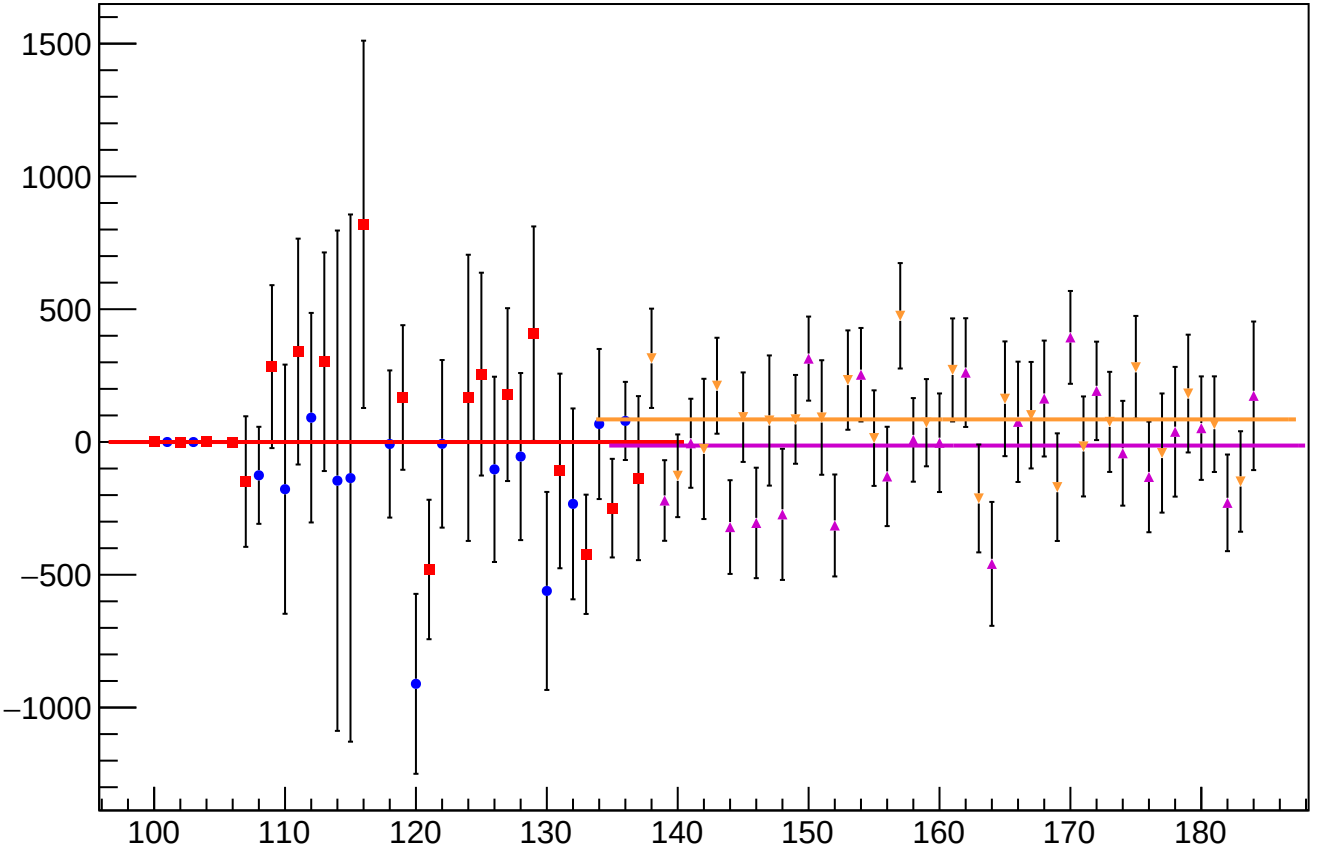
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 151.717+/-0.122 χ^2/NDF:47804760.7/38

Out: 151.759+/-0.113 χ^2/NDF:49268281.2/41

All: 151.740+/-0.083 χ^2/NDF: 97073042.0/80

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: -13.457+/-39.929 χ^2/NDF:32.7/22

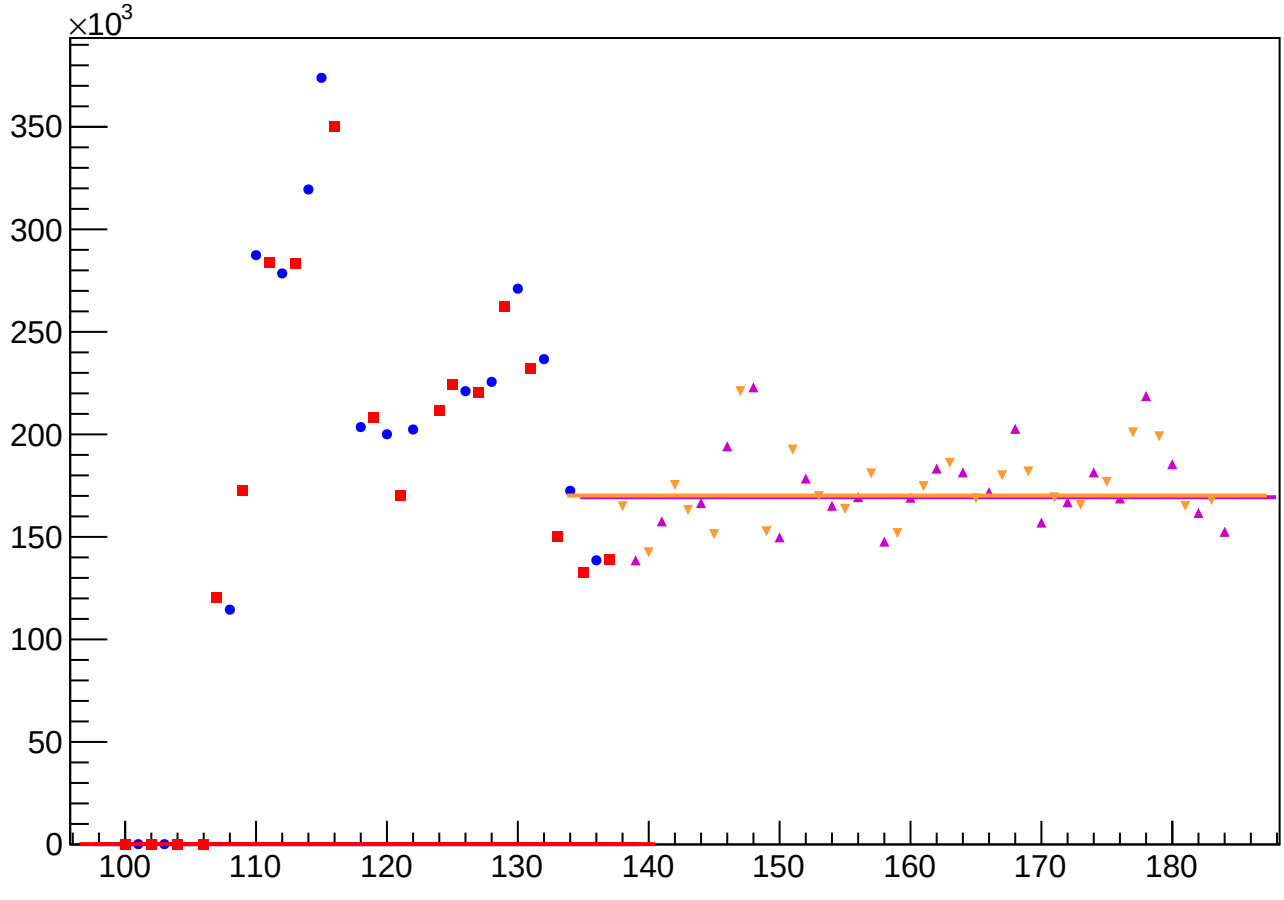
Left: 36.673+/-27.989 χ^2/NDF: 52.6/46

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.068+/-0.177 χ^2/NDF:44.0/38

Out: -0.124+/-0.166 χ^2/NDF:36.8/42

All: -0.098+/-0.121 χ^2/NDF: 80.9/81



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: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169768.805+/-19.791 χ^2/NDF: 834096.7/46

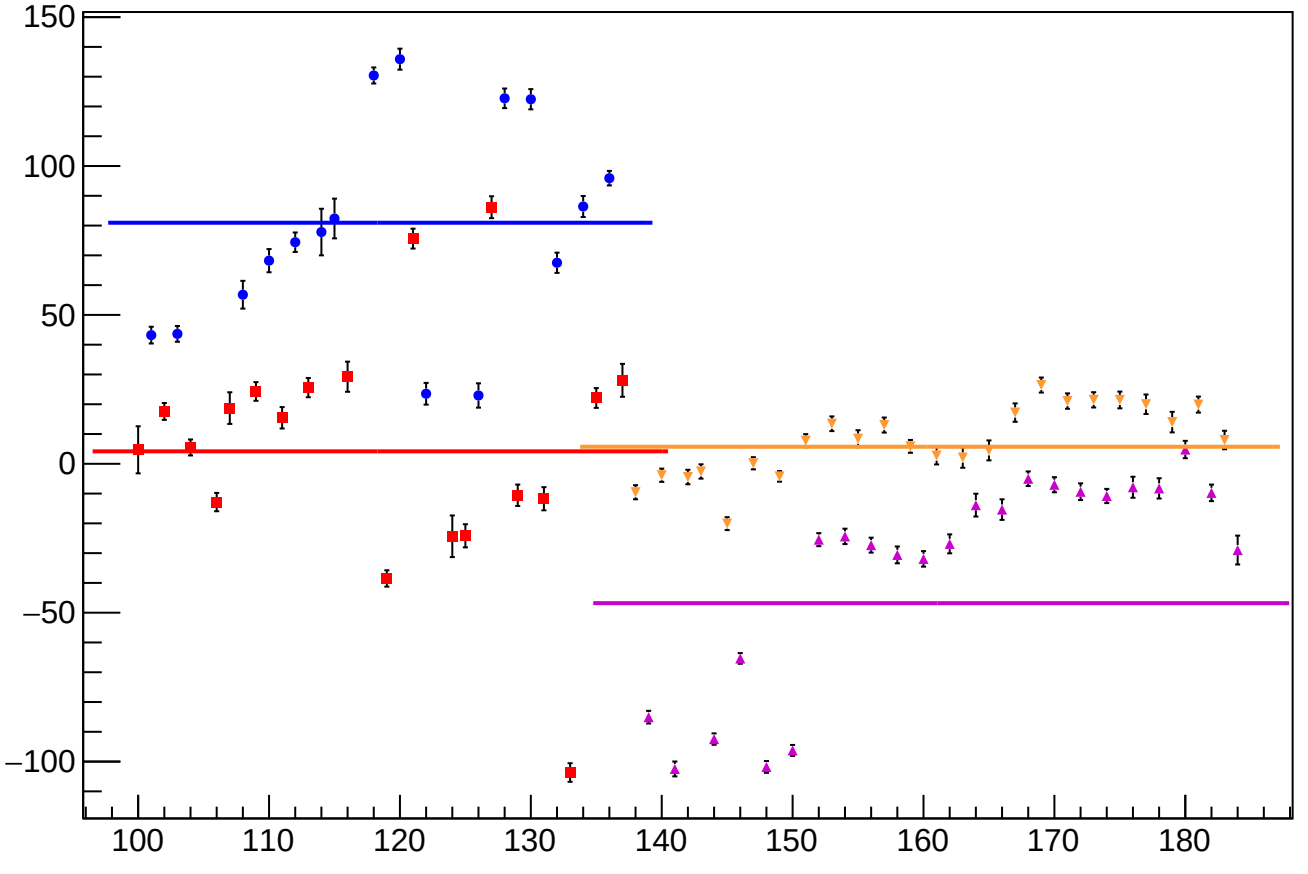
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 156.793+/-0.125 χ^2/NDF:48290990.7/38

Out: 159.217+/-0.118 χ^2/NDF:49224801.0/42

All: 158.081+/-0.086 χ^2/NDF: 97515990.4/81

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: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -20.137+/-0.368 χ^2/NDF: 10795.4/46

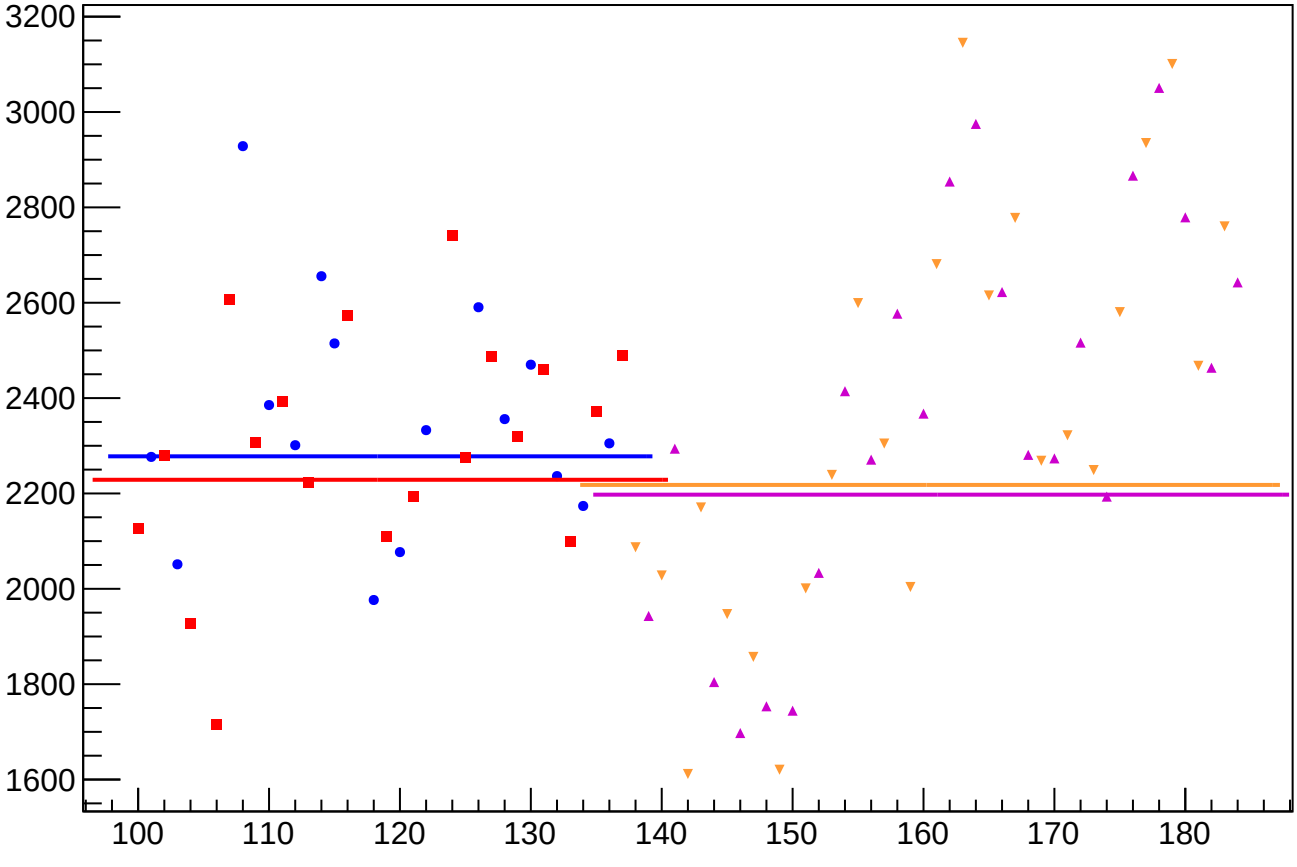
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -11.656+/-0.447 χ^2/NDF:23308.8/38

Out: 5.289+/-0.437 χ^2/NDF:3251.9/42

All: -3.002+/-0.312 χ^2/NDF: 27296.0/81

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: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2207.838+/-0.260 χ^2/NDF: 2279136.3/46

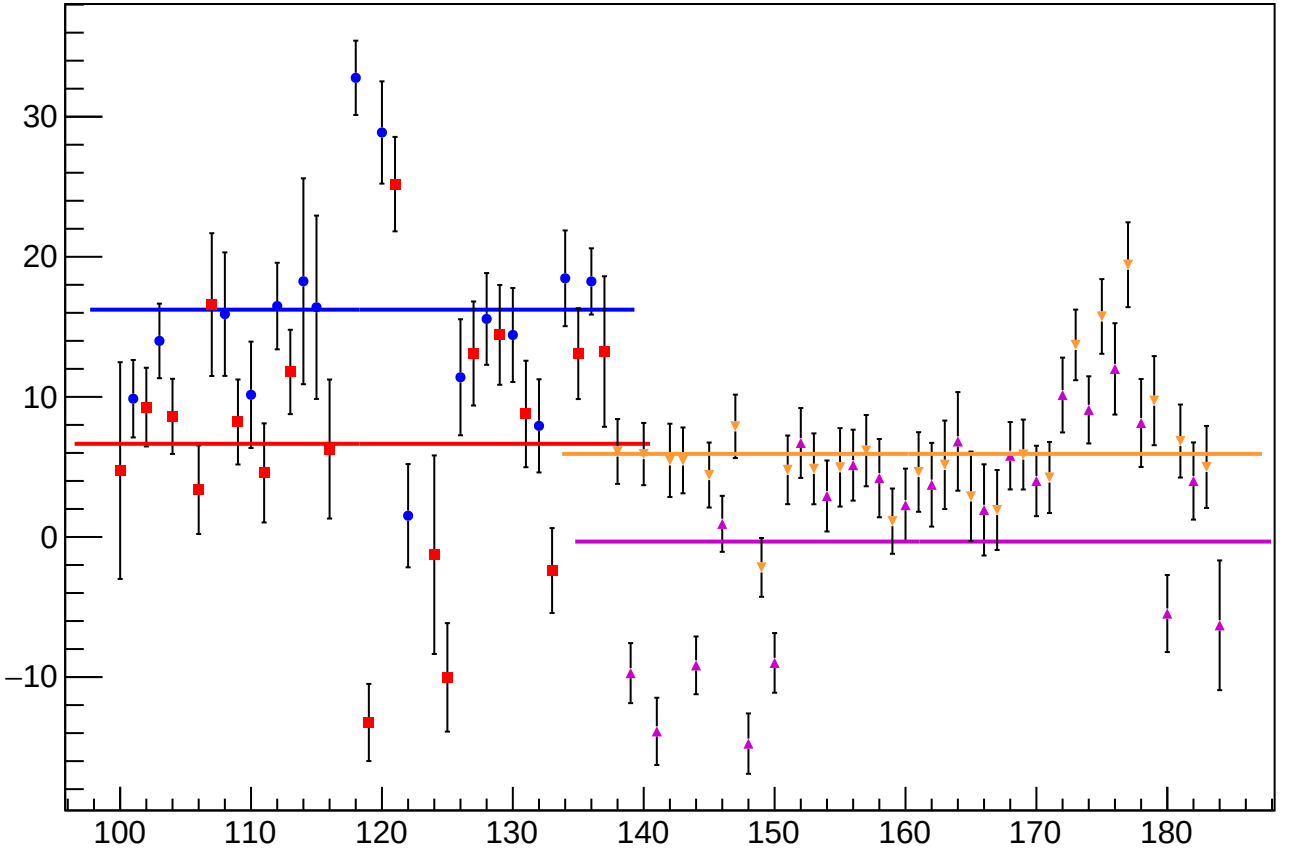
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2219.585+/-0.316 χ^2/NDF:1233361.0/38

Out: 2220.961+/-0.309 χ^2/NDF:1324317.2/42

All: 2220.288+/-0.221 χ^2/NDF: 2557687.9/81

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: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.865+/-0.374 χ^2/NDF: 363.9/46

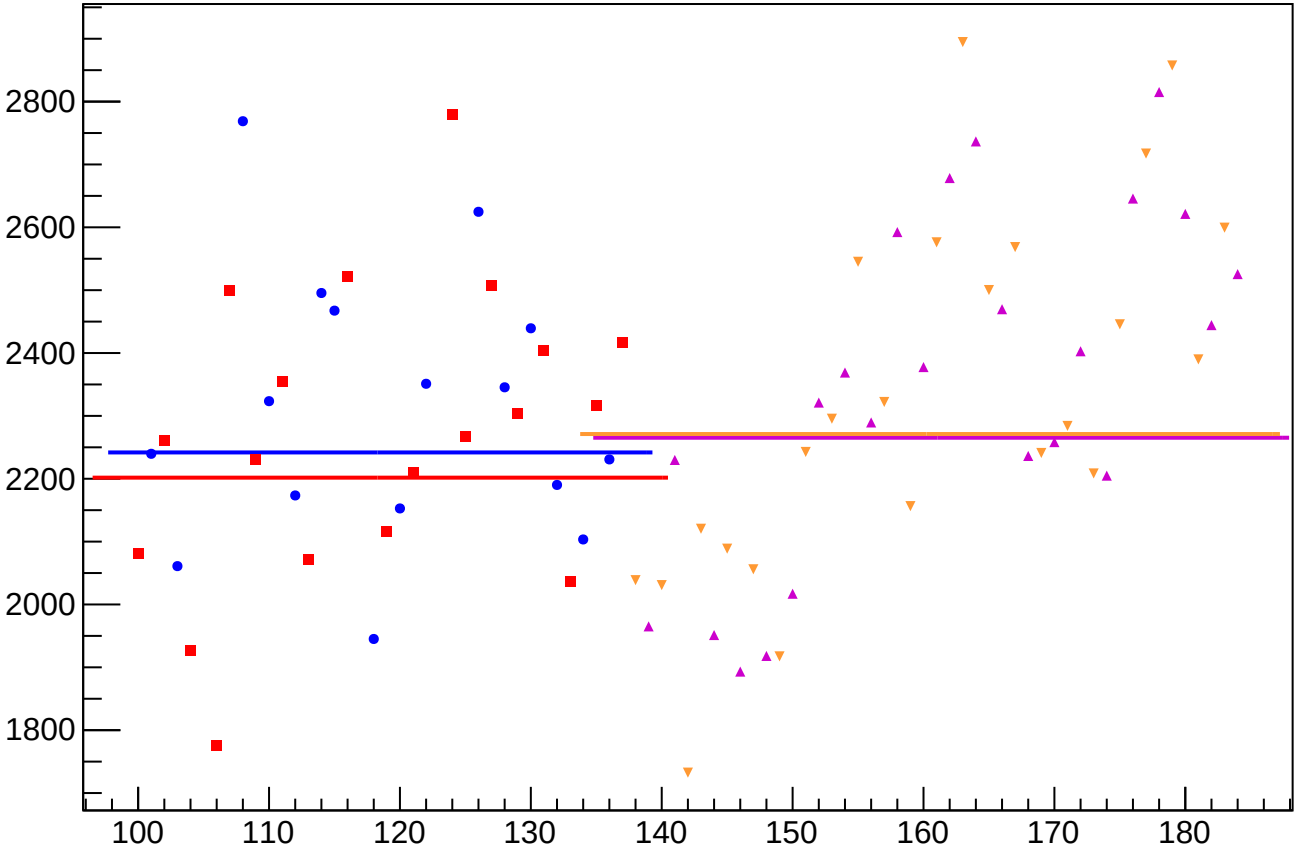
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.463+/-0.451 χ^2/NDF:587.0/38

Out: 6.144+/-0.440 χ^2/NDF:204.2/42

All: 5.324+/-0.315 χ^2/NDF: 798.3/81

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: 2265.257+/-0.378 χ^2/NDF:495816.5/22

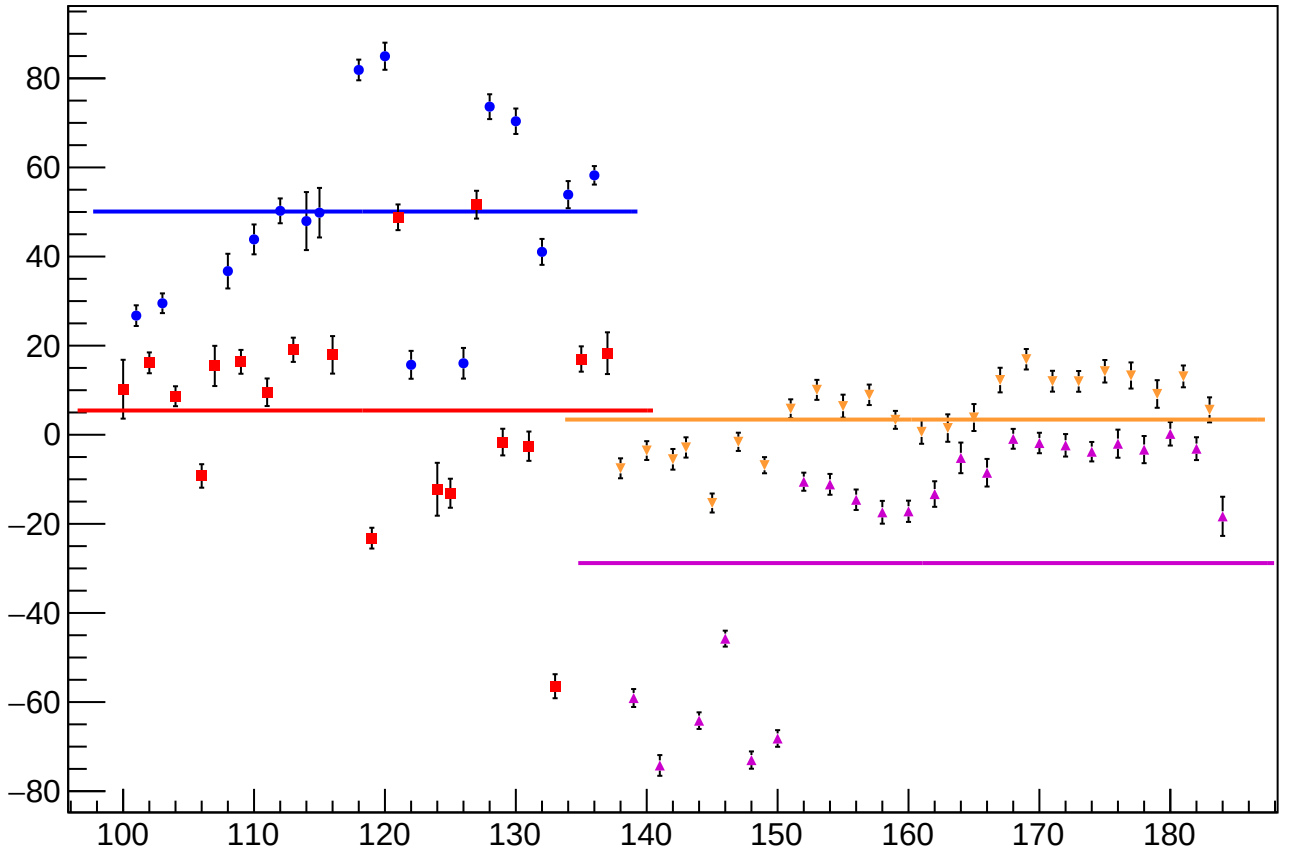
Left: 2268.260+/-0.265 χ^2/NDF: 1028872.4/46

Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2258.483+/-0.319 χ^2/NDF:599186.8/38

Out: 2250.653+/-0.311 χ^2/NDF:673181.5/42

All: 2254.472+/-0.223 χ^2/NDF: 1272677.5/81



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: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.434+/-0.344 χ^2/NDF: 5763.8/46

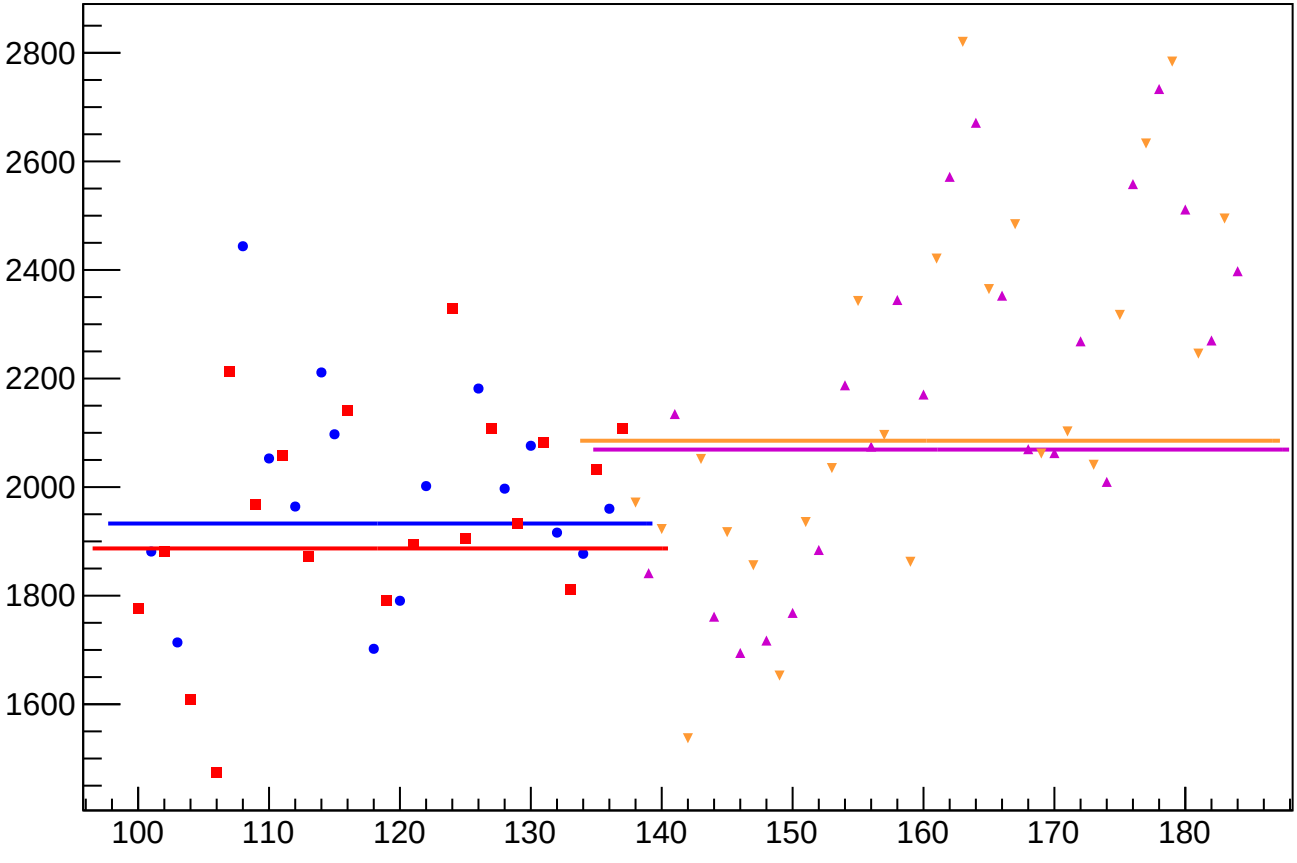
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.868+/-0.406 χ^2/NDF:12317.6/38

Out: 4.072+/-0.396 χ^2/NDF:1629.9/42

All: 0.197+/-0.284 χ^2/NDF: 14143.4/81

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: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2077.414+/-0.243 χ^2/NDF: 1493326.5/46

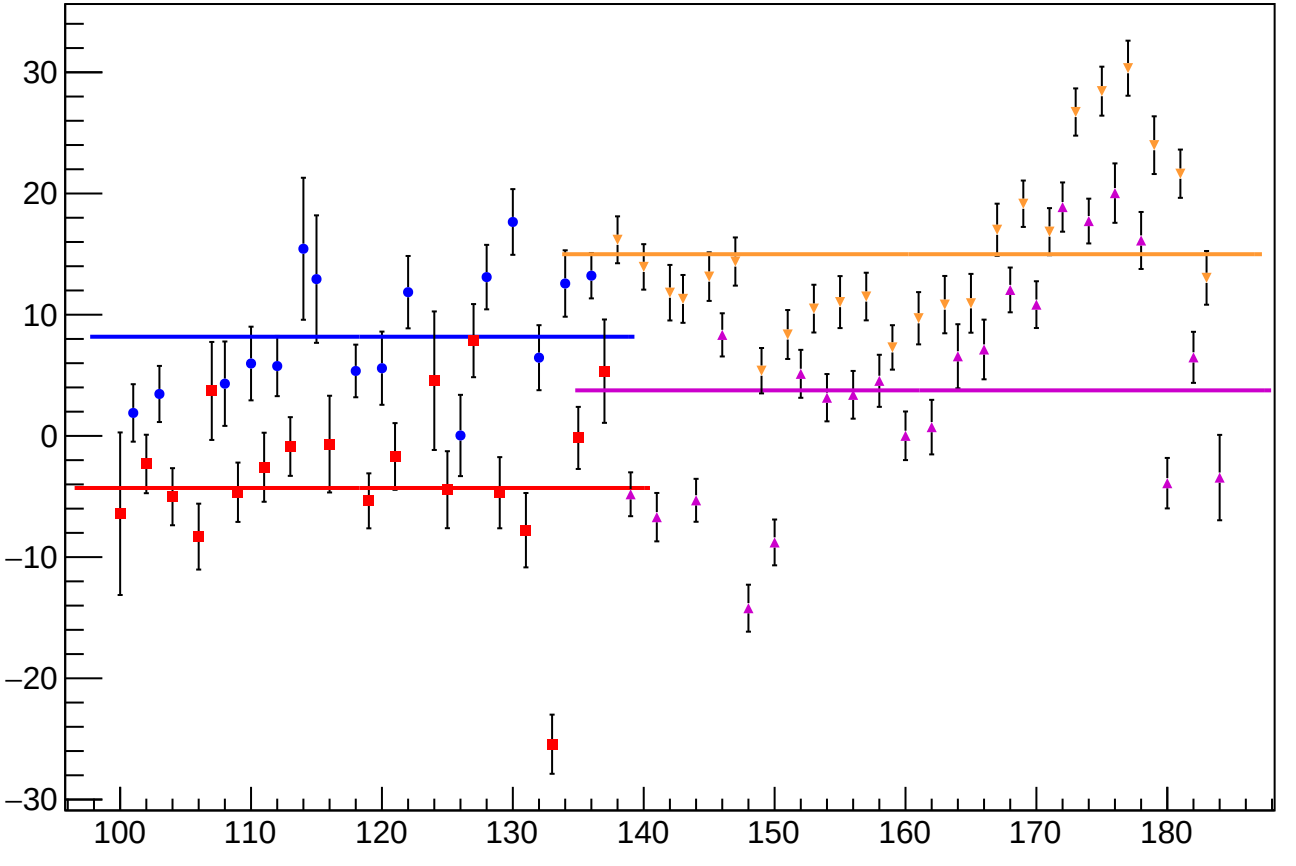
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 2026.070+/-0.287 χ^2/NDF:866140.1/38

Out: 2020.745+/-0.280 χ^2/NDF:1040565.7/42

All: 2023.344+/-0.201 χ^2/NDF: 1906881.9/81

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: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.501+/-0.299 χ^2/NDF: 1055.9/46

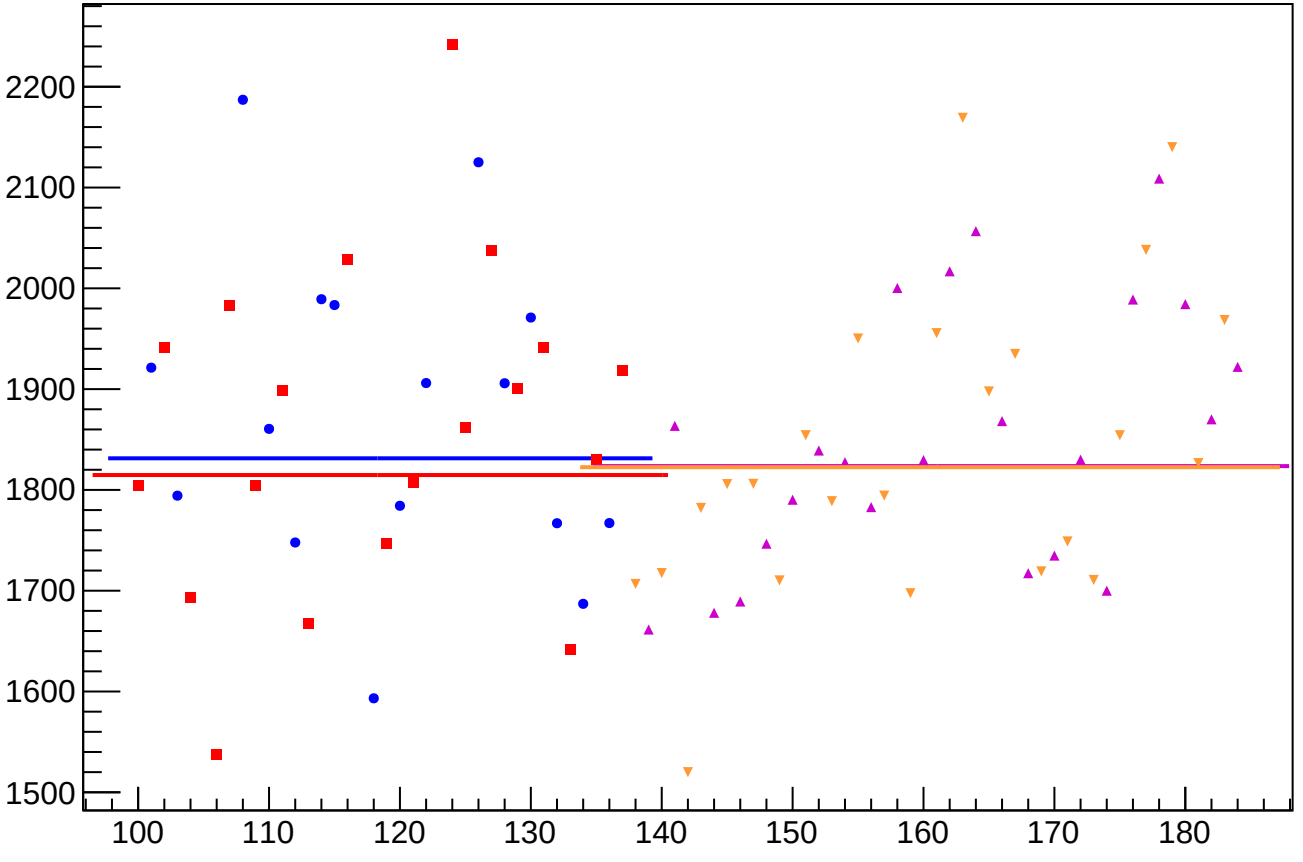
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 5.004+/-0.363 χ^2/NDF:541.1/38

Out: 9.529+/-0.354 χ^2/NDF:960.5/42

All: 7.320+/-0.253 χ^2/NDF: 1581.3/81

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: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.064+/-0.211 χ^2/NDF: 374264.6/46

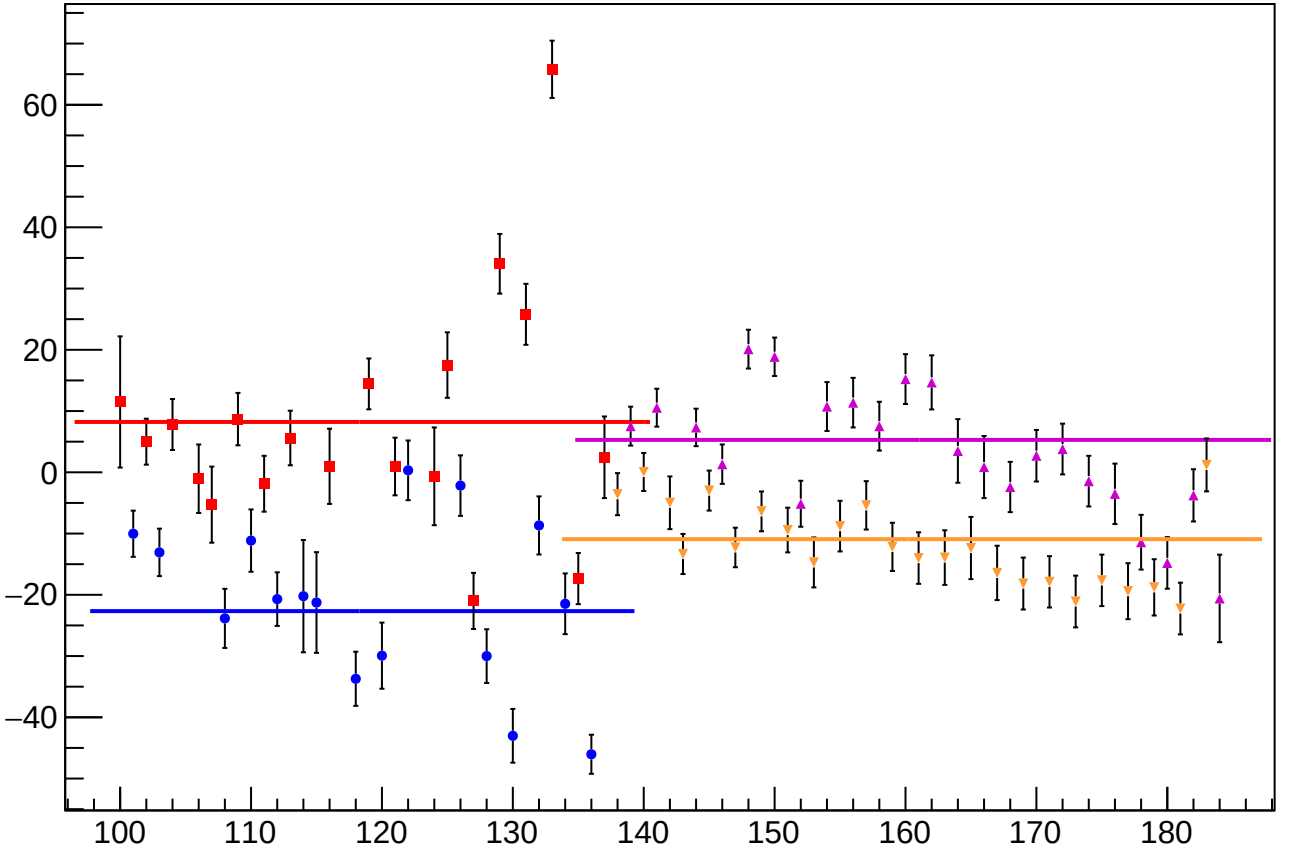
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1825.803+/-0.256 χ^2/NDF:250871.3/38

Out: 1820.331+/-0.250 χ^2/NDF:301423.0/42

All: 1823.002+/-0.179 χ^2/NDF: 552527.3/81

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: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.974+/-0.570 χ^2/NDF: 404.6/46

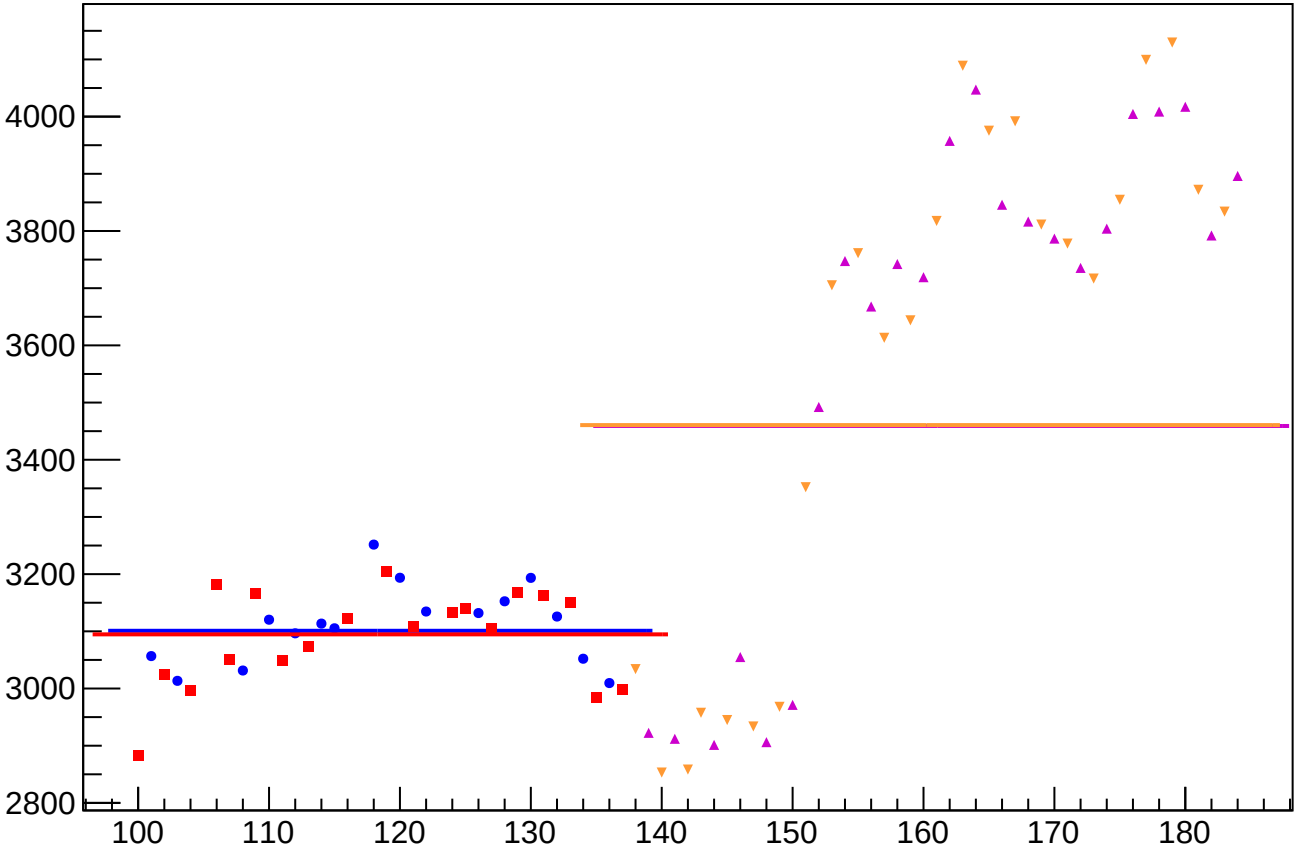
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -4.023+/-0.665 χ^2/NDF:683.4/38

Out: -4.535+/-0.652 χ^2/NDF:555.5/42

All: -4.285+/-0.465 χ^2/NDF: 1239.2/81

diff_bpm0l01X_rms vs Slug, Sign Corrected



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: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3459.836+/-0.403 χ^2/NDF: 1222029.4/46

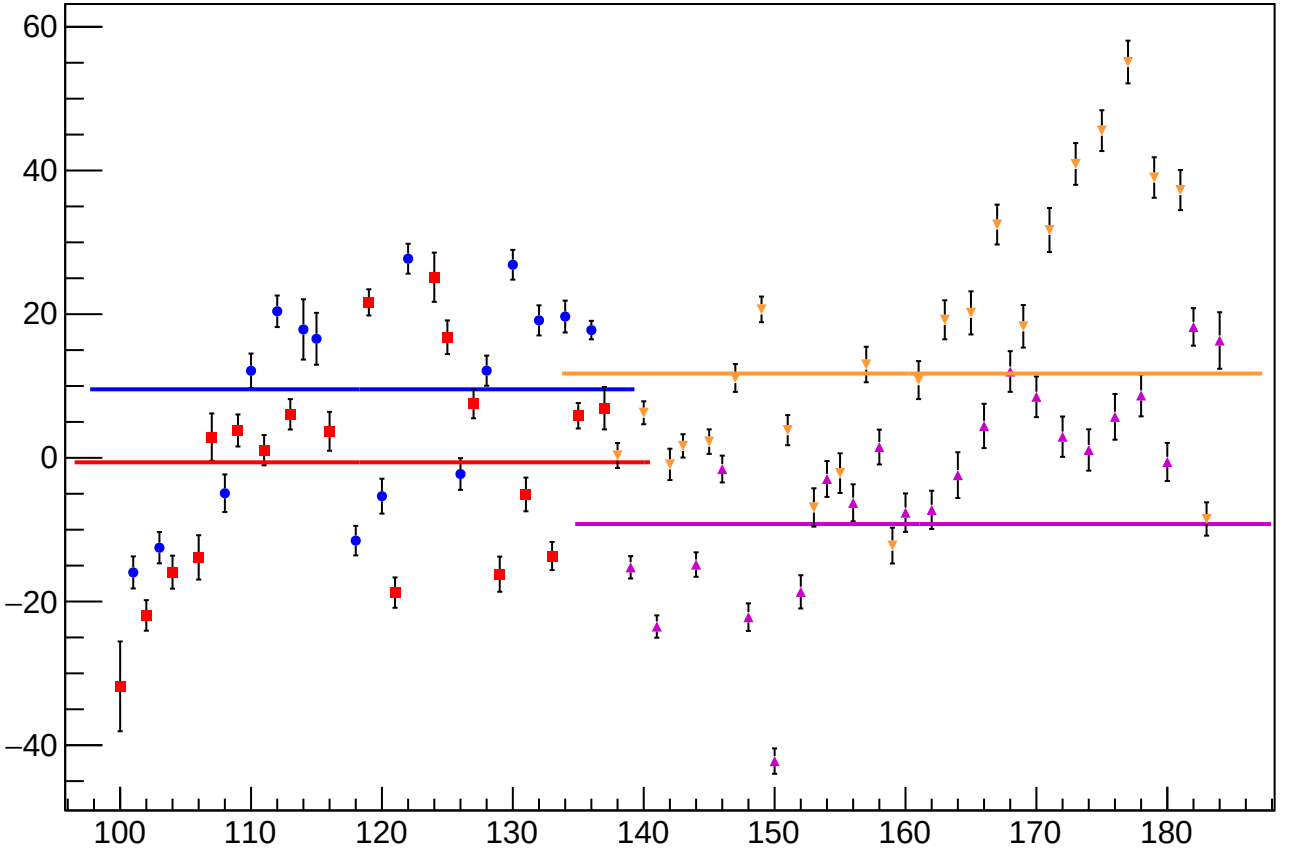
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3339.726+/-0.470 χ^2/NDF:720086.7/38

Out: 3338.615+/-0.461 χ^2/NDF:787395.3/42

All: 3339.159+/-0.329 χ^2/NDF: 1507484.8/81

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: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.640+/-0.336 χ^2/NDF: 3102.6/46

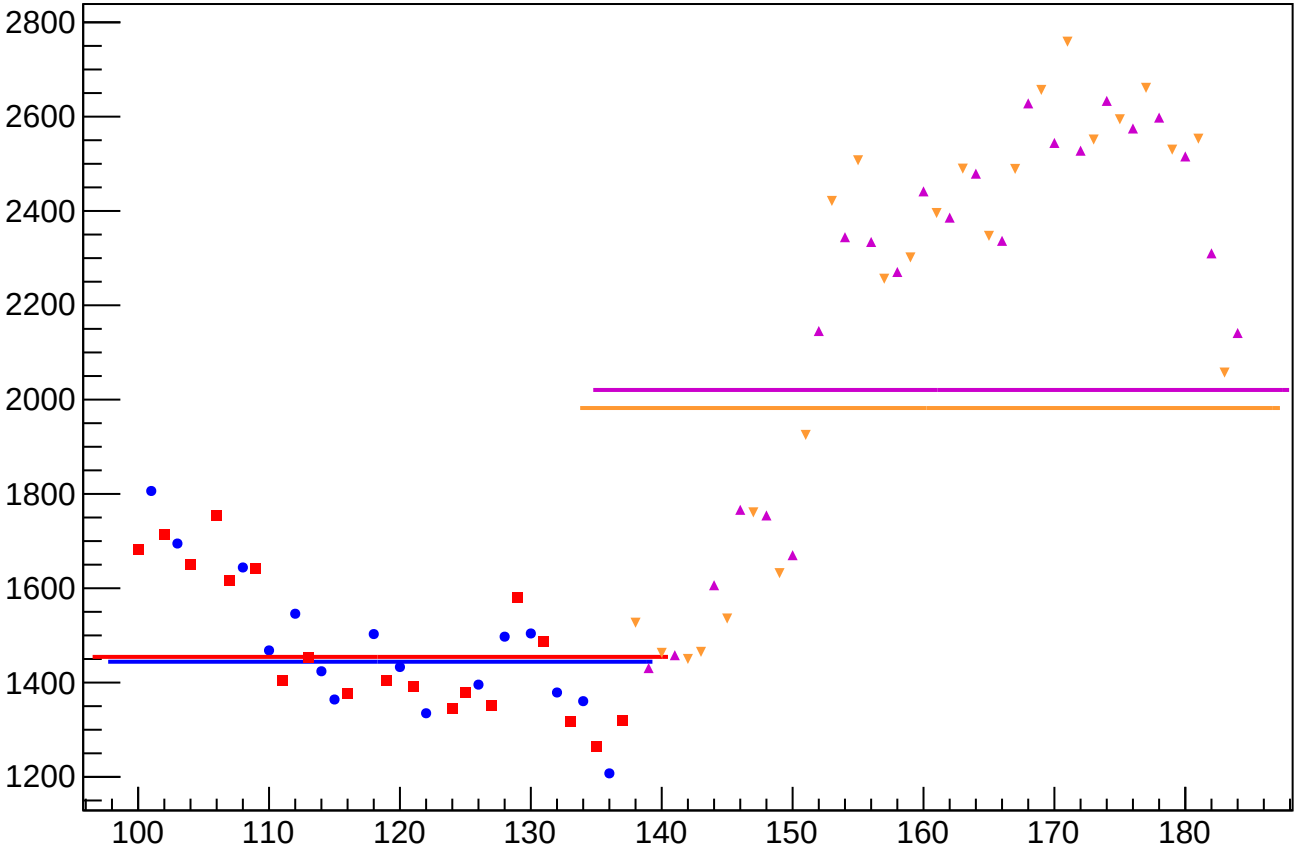
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -0.885+/-0.361 χ^2/NDF:2306.6/38

Out: 6.387+/-0.351 χ^2/NDF:2160.0/42

All: 2.846+/-0.252 χ^2/NDF: 4675.1/81

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: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.623+/-0.237 χ^2/NDF: 3598517.6/46

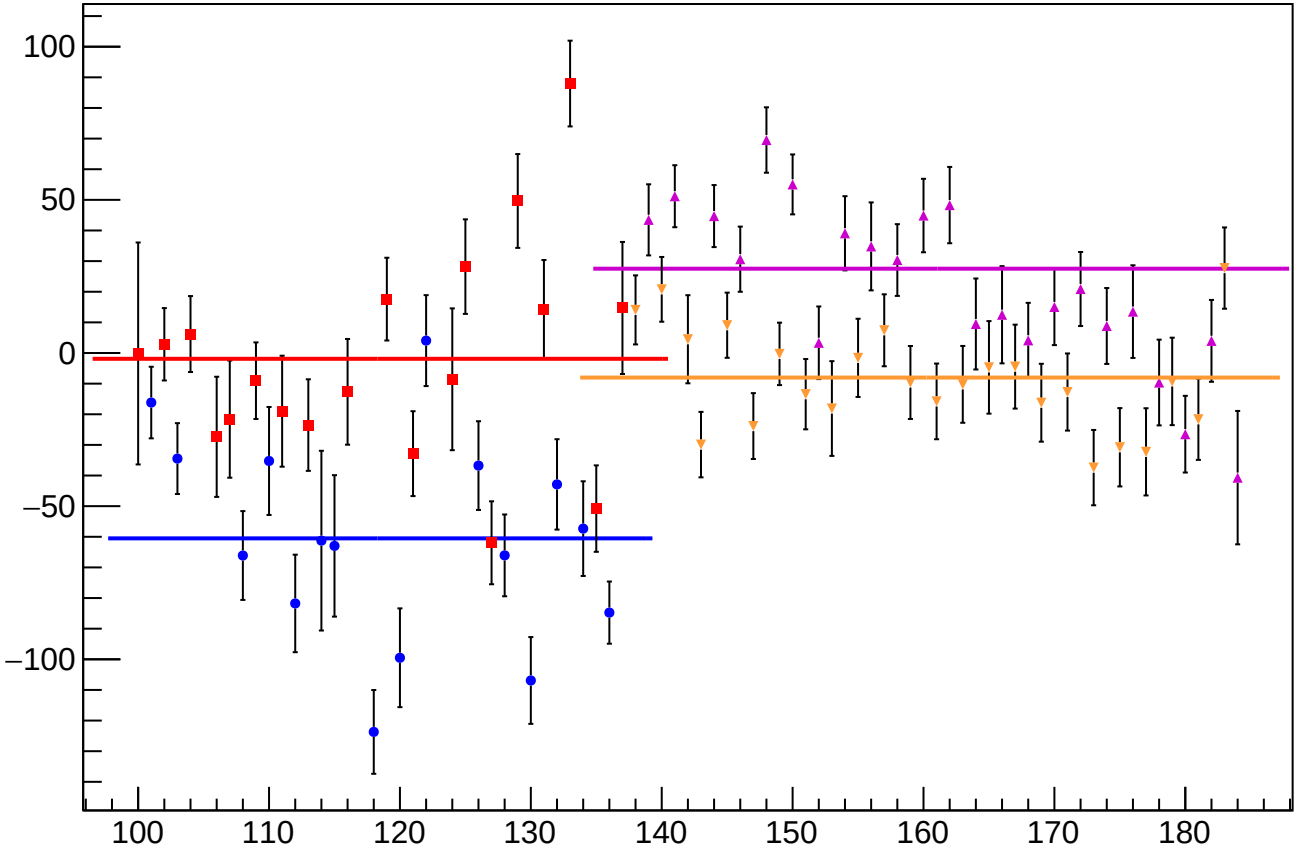
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1764.546+/-0.255 χ^2/NDF:3054986.1/38

Out: 1753.777+/-0.248 χ^2/NDF:3227425.1/42

All: 1759.020+/-0.178 χ^2/NDF: 6283326.0/81

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: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.424+/-1.791 χ^2/NDF: 236.9/46

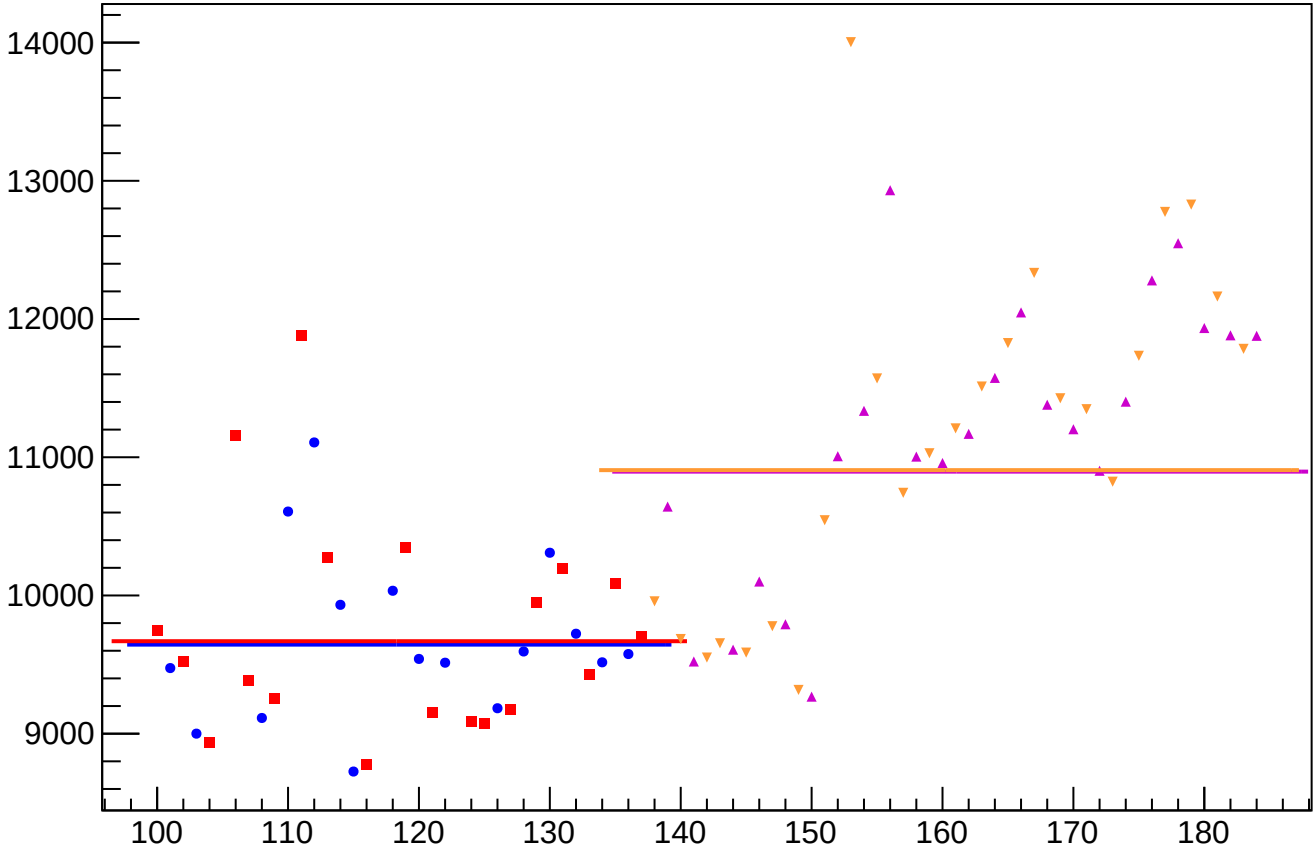
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -2.029+/-2.084 χ^2/NDF:581.5/38

Out: -5.973+/-2.048 χ^2/NDF:151.2/42

All: -4.035+/-1.461 χ^2/NDF: 734.6/81

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: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10901.445+/-1.266 χ^2/NDF: 720560.4/46

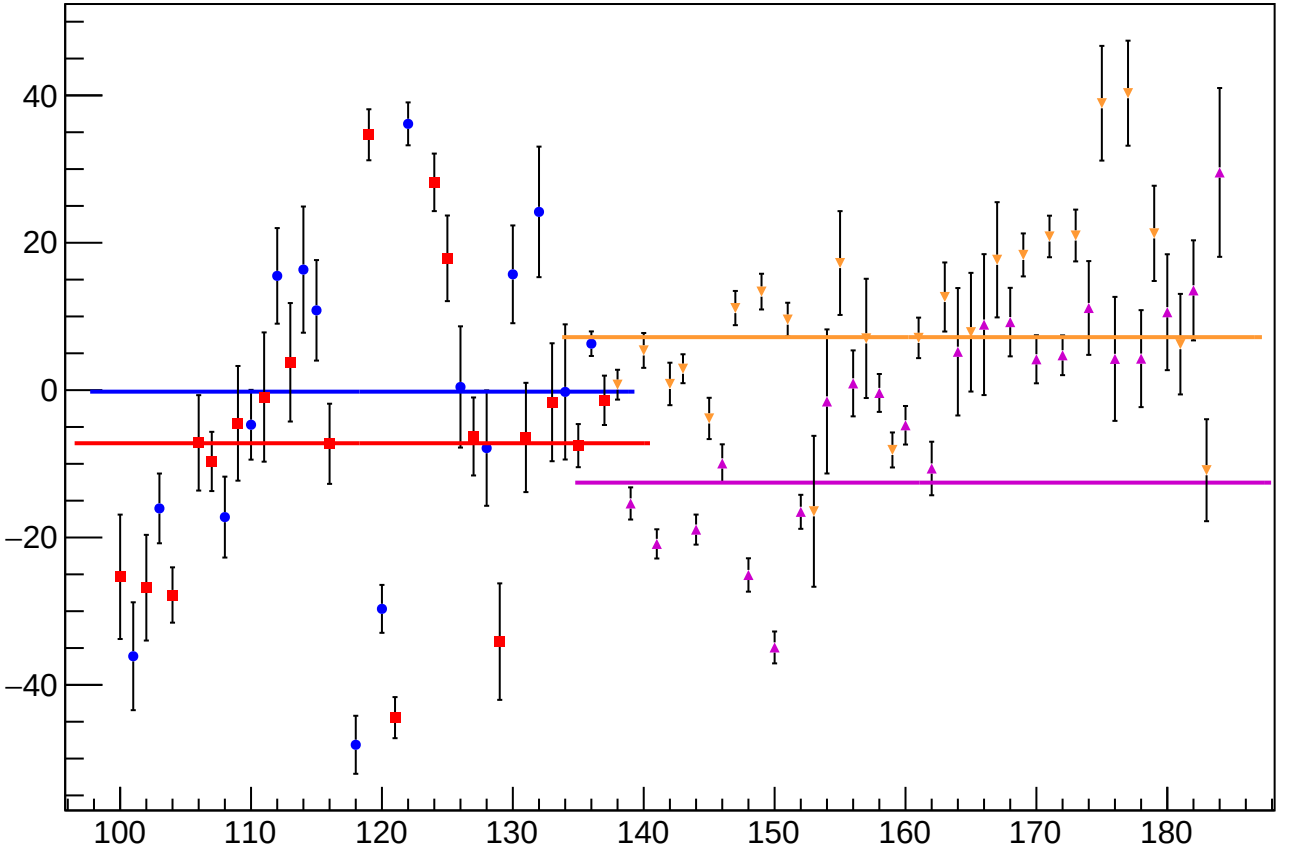
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 10475.834+/-1.473 χ^2/NDF:503085.8/38

Out: 10493.233+/-1.448 χ^2/NDF:664869.3/42

All: 10484.684+/-1.033 χ^2/NDF: 1168026.1/8

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: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.589+/-0.465 χ^2/NDF: 1024.6/46

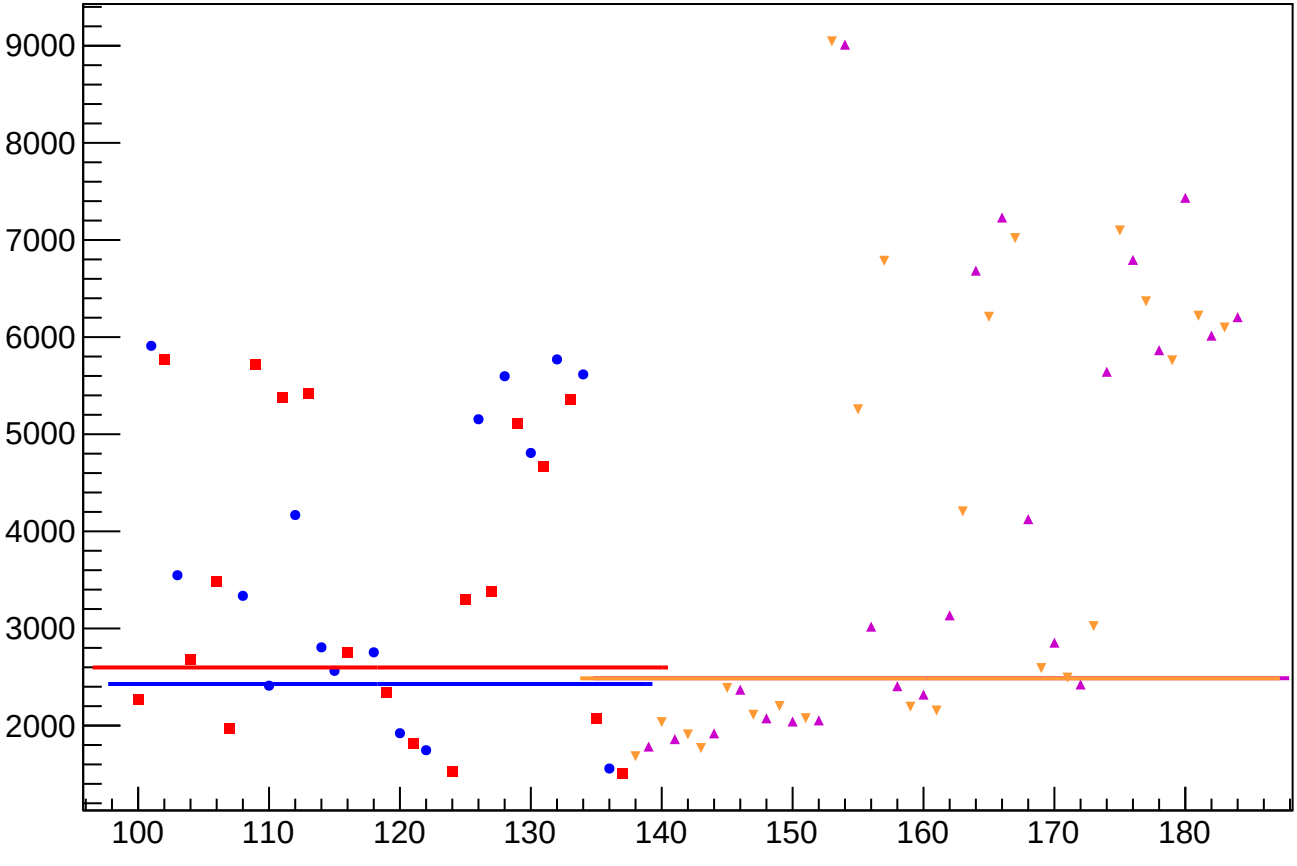
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -9.030+/-0.558 χ^2/NDF:945.5/38

Out: 3.291+/-0.559 χ^2/NDF:818.4/42

All: -2.874+/-0.395 χ^2/NDF: 2007.2/81

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: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2487.060+/-0.329 χ^2/NDF: 13108498.9/46

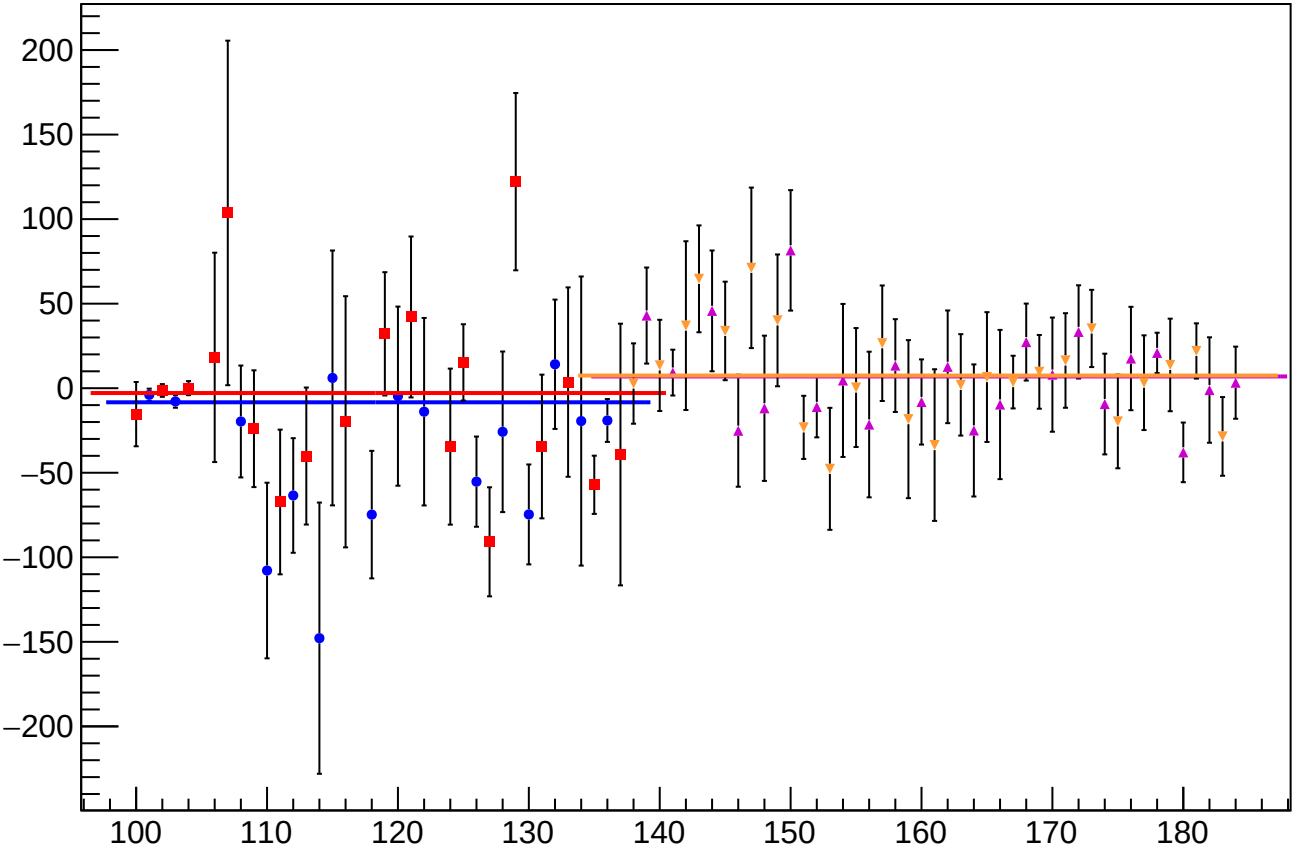
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2470.703+/-0.395 χ^2/NDF:8923454.3/38

Out: 2516.728+/-0.395 χ^2/NDF:9535804.6/42

All: 2493.699+/-0.279 χ^2/NDF: 18466047.5/8

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: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.202+/-3.717 χ^2/NDF: 40.6/46

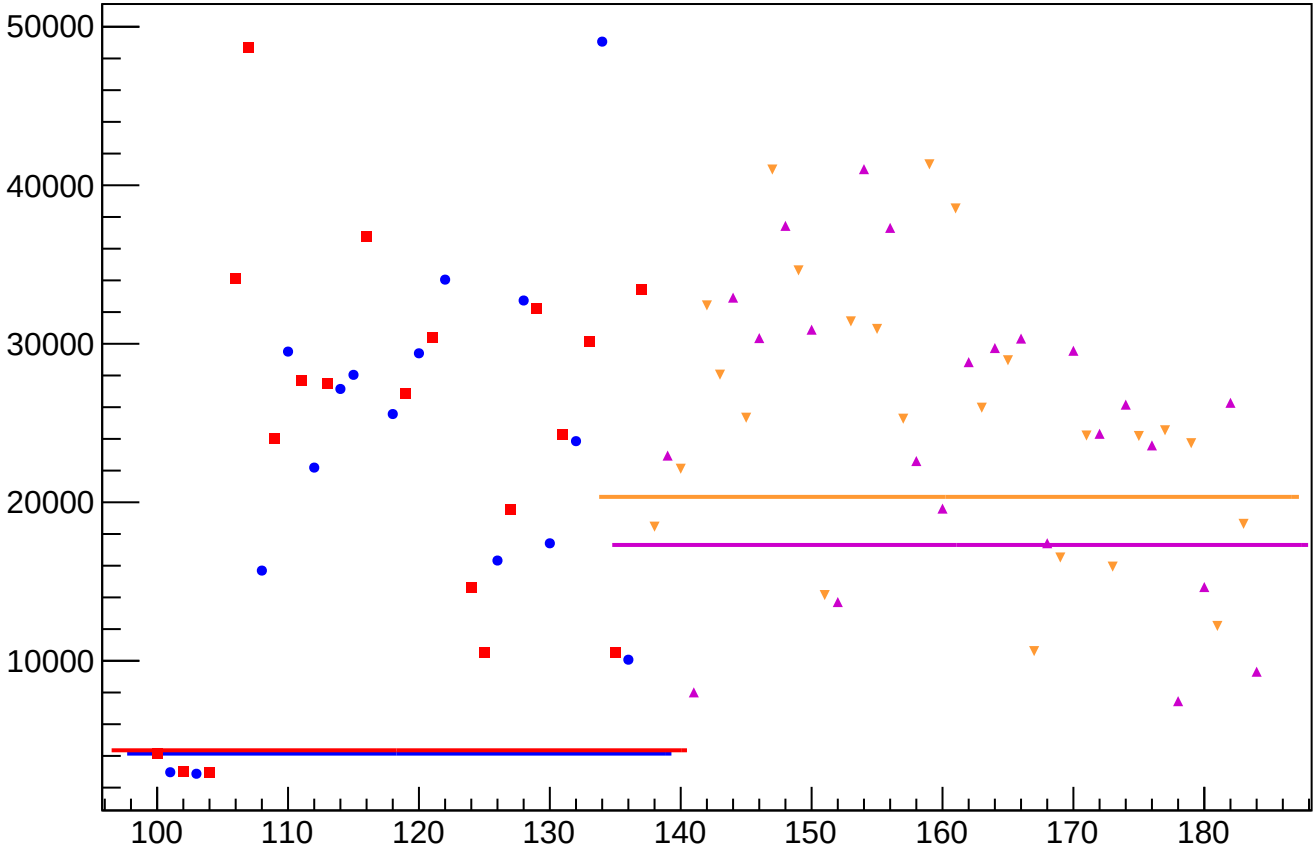
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -5.365+/-2.244 χ^2/NDF:51.8/38

Out: -0.877+/-2.375 χ^2/NDF:55.0/42

All: -3.248+/-1.631 χ^2/NDF: 108.7/81

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: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18725.184+/-2.628 χ^2/NDF: 11126124.6/46

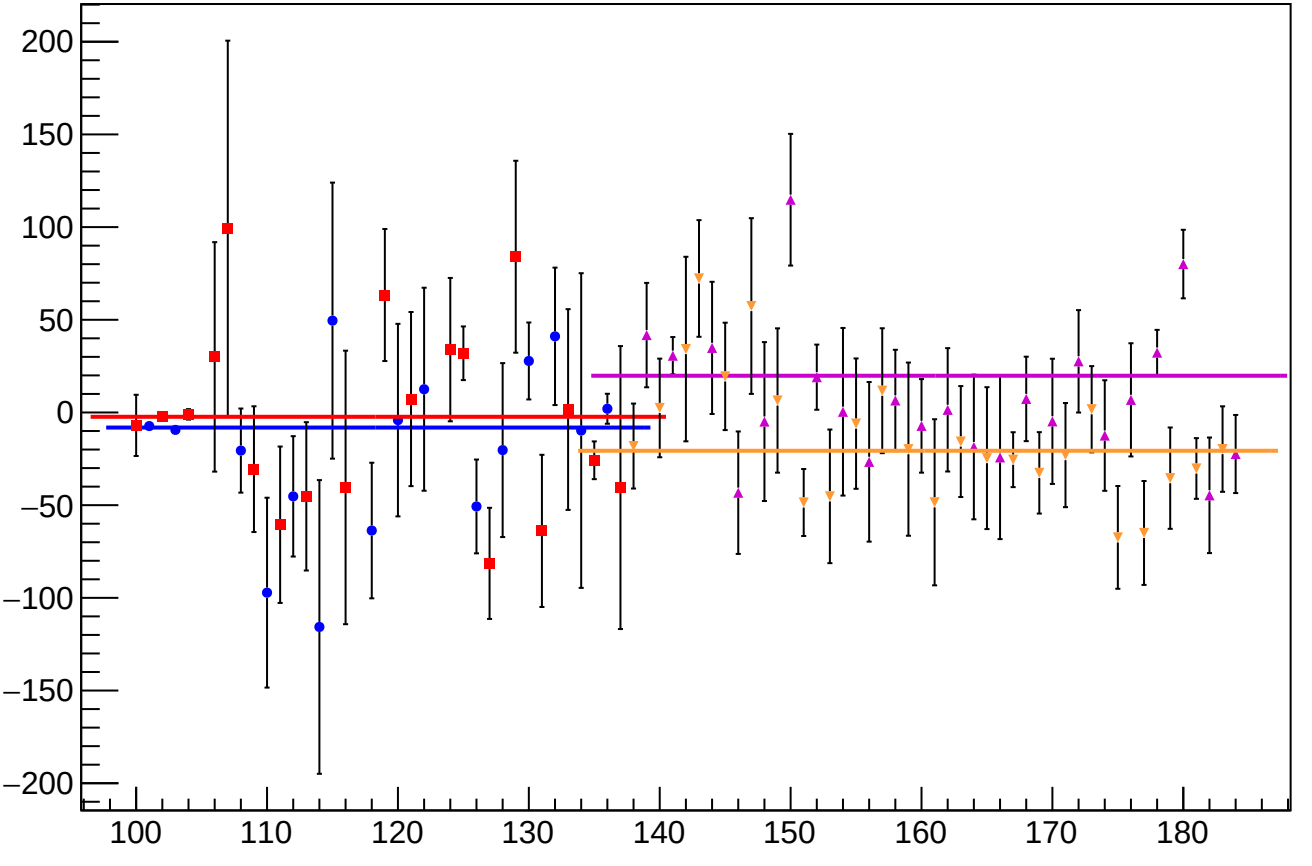
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 6702.680+/-1.586 χ^2/NDF:24332594.8/38

Out: 7401.776+/-1.679 χ^2/NDF:25684607.3/42

All: 7032.386+/-1.153 χ^2/NDF: 50108788.0/8

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: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.686+/-3.600 χ^2/NDF: 99.1/46

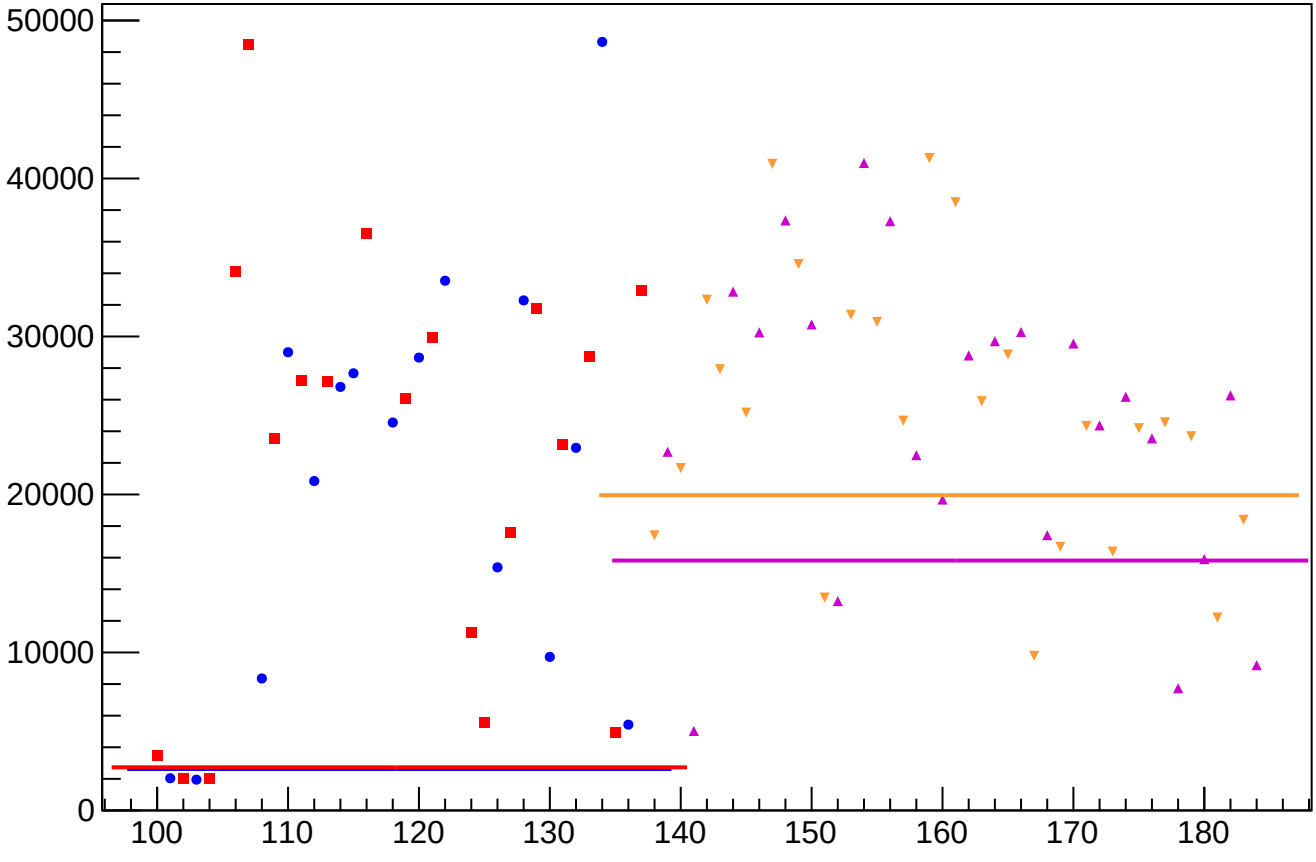
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -5.003+/-1.621 χ^2/NDF:88.9/38

Out: -4.211+/-1.725 χ^2/NDF:71.0/42

All: -4.632+/-1.181 χ^2/NDF: 160.0/81

diff_bpm0l03Y_rms vs Slug, Sign Corrected



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: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

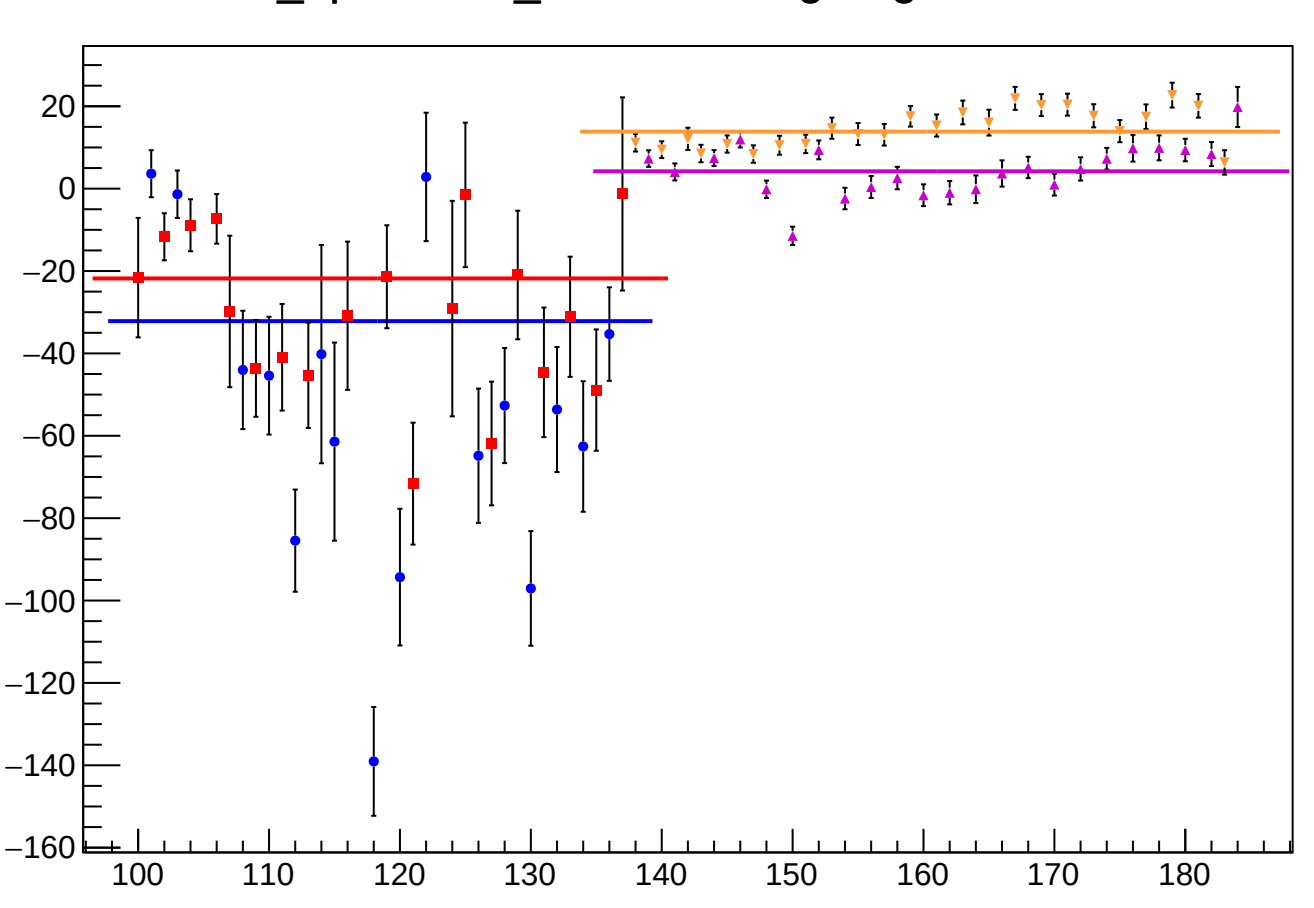
Left: 17670.192+/-2.545 χ^2/NDF: 13400880.1/46

Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

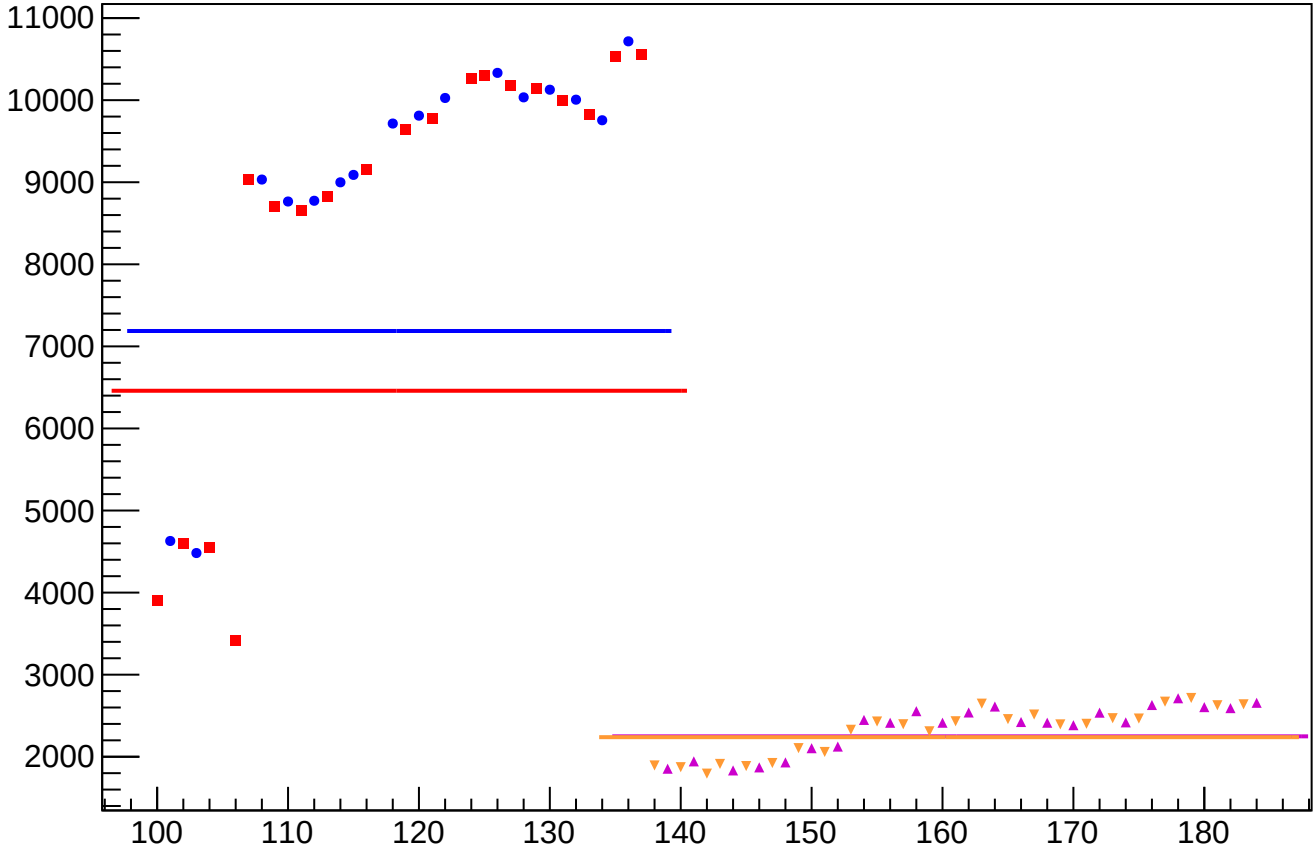
In: 4103.115+/-1.146 χ^2/NDF:28350540.0/38

Out: 4503.066+/-1.220 χ^2/NDF:30728381.1/42

All: 4290.660+/-0.835 χ^2/NDF: 59135996.2/8


diff_bpm0l04X_mean vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
180
Right In: -32.171+/-2.842 χ²/NDF: 207.8/15
Left Out: 13.845+/-0.517 χ²/NDF:74.6/23
Right Out: -21.801+/-2.557 χ²/NDF: 49.1/18
Left In: 4.202+/-0.530 χ²/NDF:123.9/22
Left: 9.148+/-0.370 χ²/NDF: 368.2/46
Right: -26.441+/-1.901 χ²/NDF: 264.2/34
In: 2.979+/-0.521 χ²/NDF:490.0/38
Out: 12.448+/-0.506 χ²/NDF:310.3/42
All: 7.849+/-0.363 χ²/NDF: 970.1/81

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: 2248.582+/-0.375 χ^2/NDF:642255.3/22

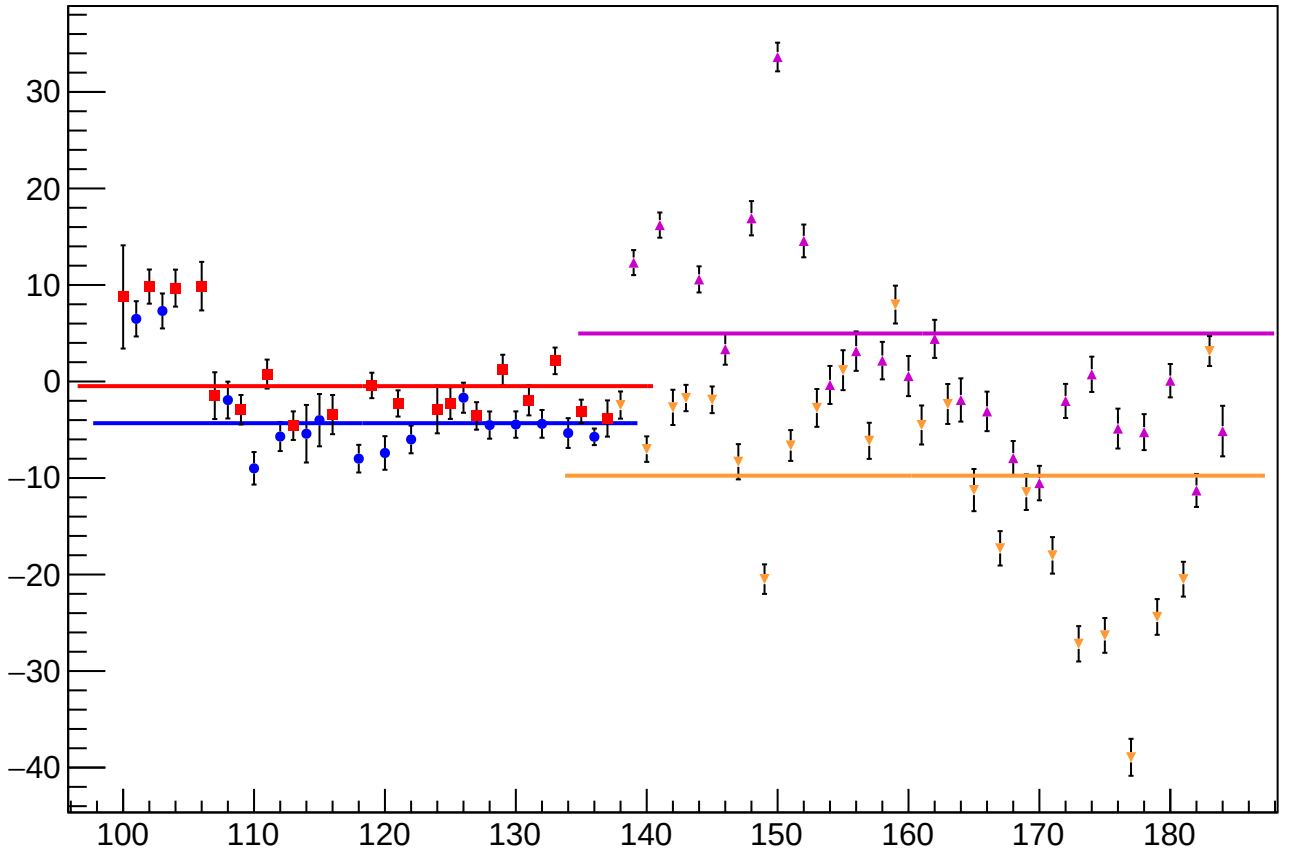
Left: 2243.391+/-0.262 χ^2/NDF: 1289157.4/46

Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2414.638+/-0.368 χ^2/NDF:8186023.6/38

Out: 2403.932+/-0.358 χ^2/NDF:8157557.7/42

All: 2409.131+/-0.257 χ^2/NDF: 16344015.5/8



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: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.649+/-0.253 χ^2/NDF: 2700.0/46

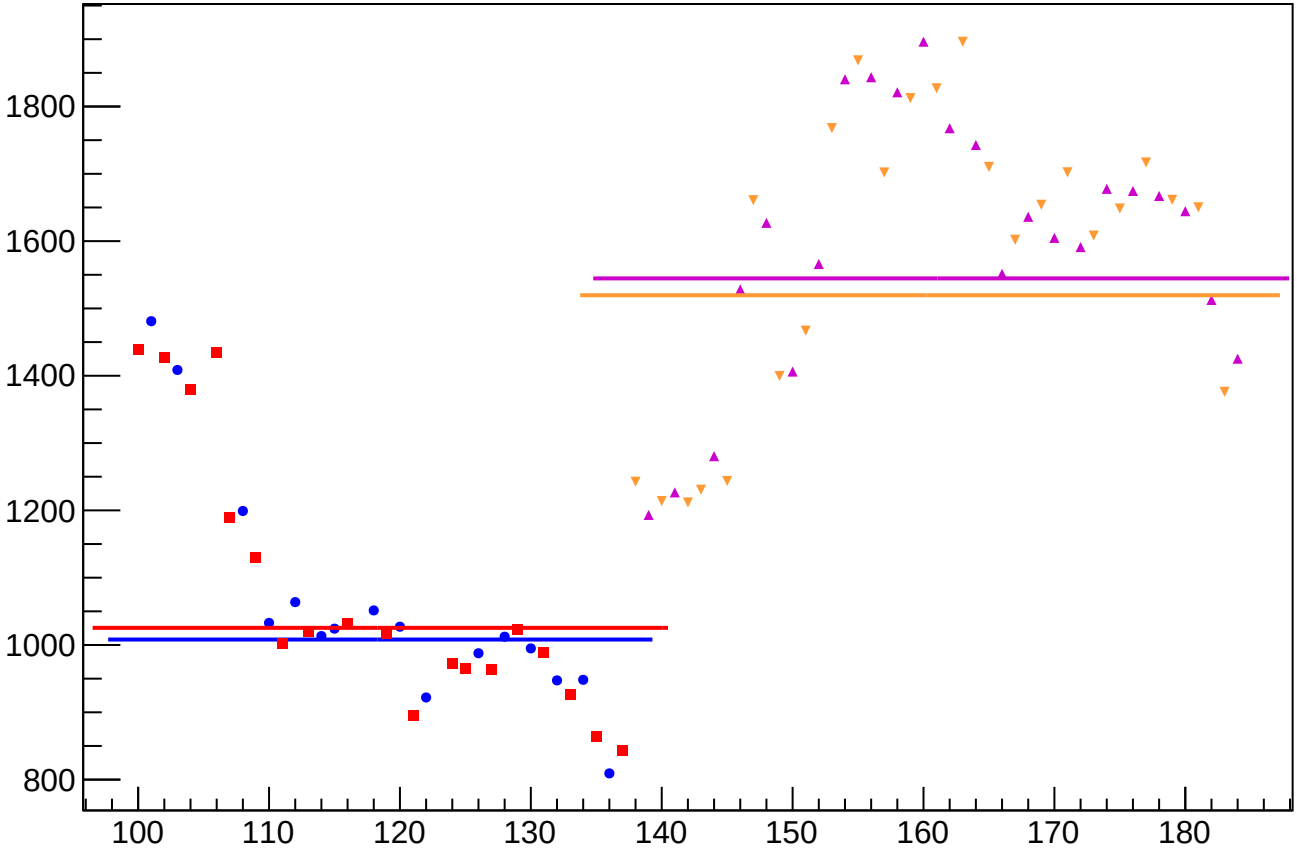
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 0.516+/-0.263 χ^2/NDF:1345.1/38

Out: -5.456+/-0.258 χ^2/NDF:1364.6/42

All: -2.529+/-0.184 χ^2/NDF: 2972.6/81

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: 1544.620+/-0.258 χ^2/NDF:638659.4/22

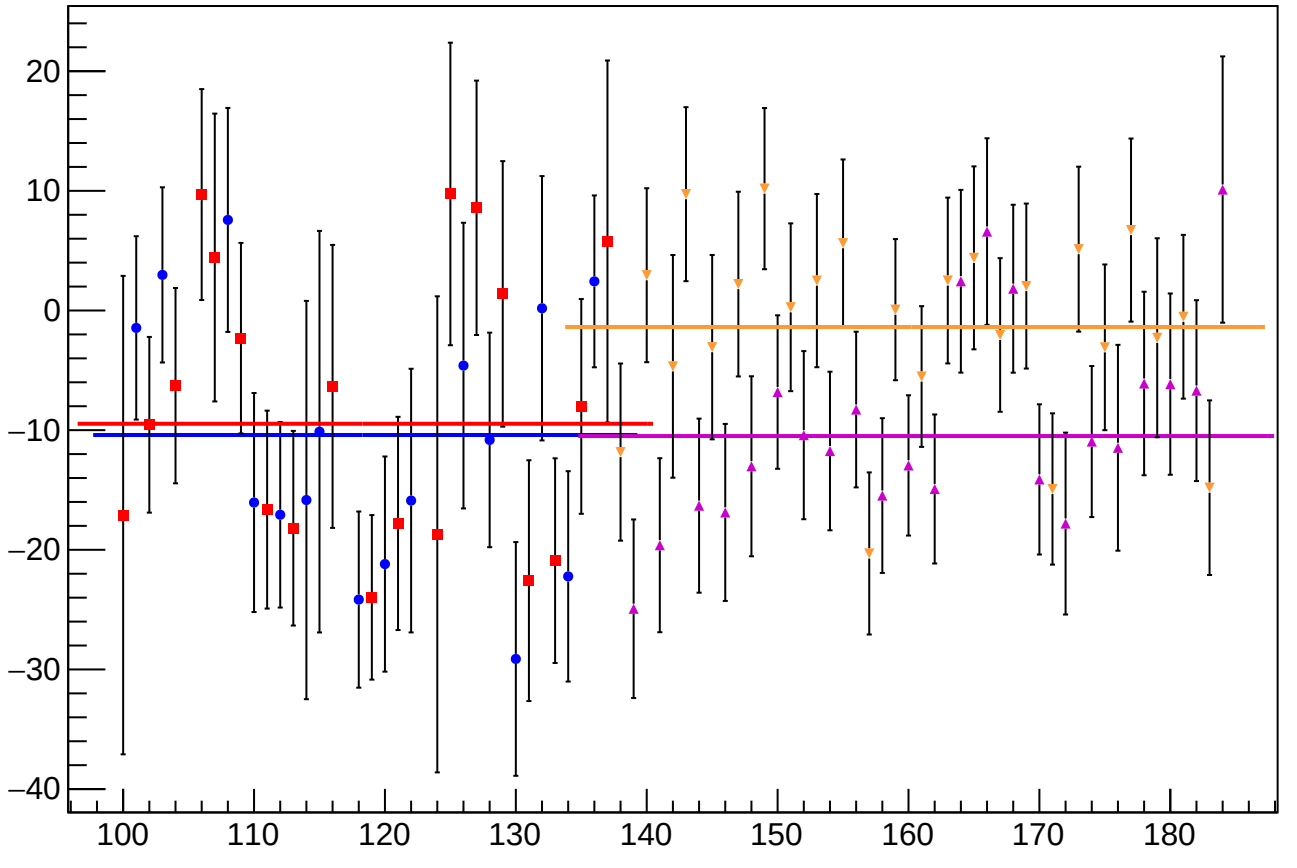
Left: 1531.680+/-0.179 χ^2/NDF: 1470050.4/46

Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1287.268+/-0.186 χ^2/NDF:3094628.9/38

Out: 1290.483+/-0.182 χ^2/NDF:2999013.1/42

All: 1288.907+/-0.130 χ^2/NDF: 6093794.5/81



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: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.802+/-1.031 χ^2/NDF: 73.4/46

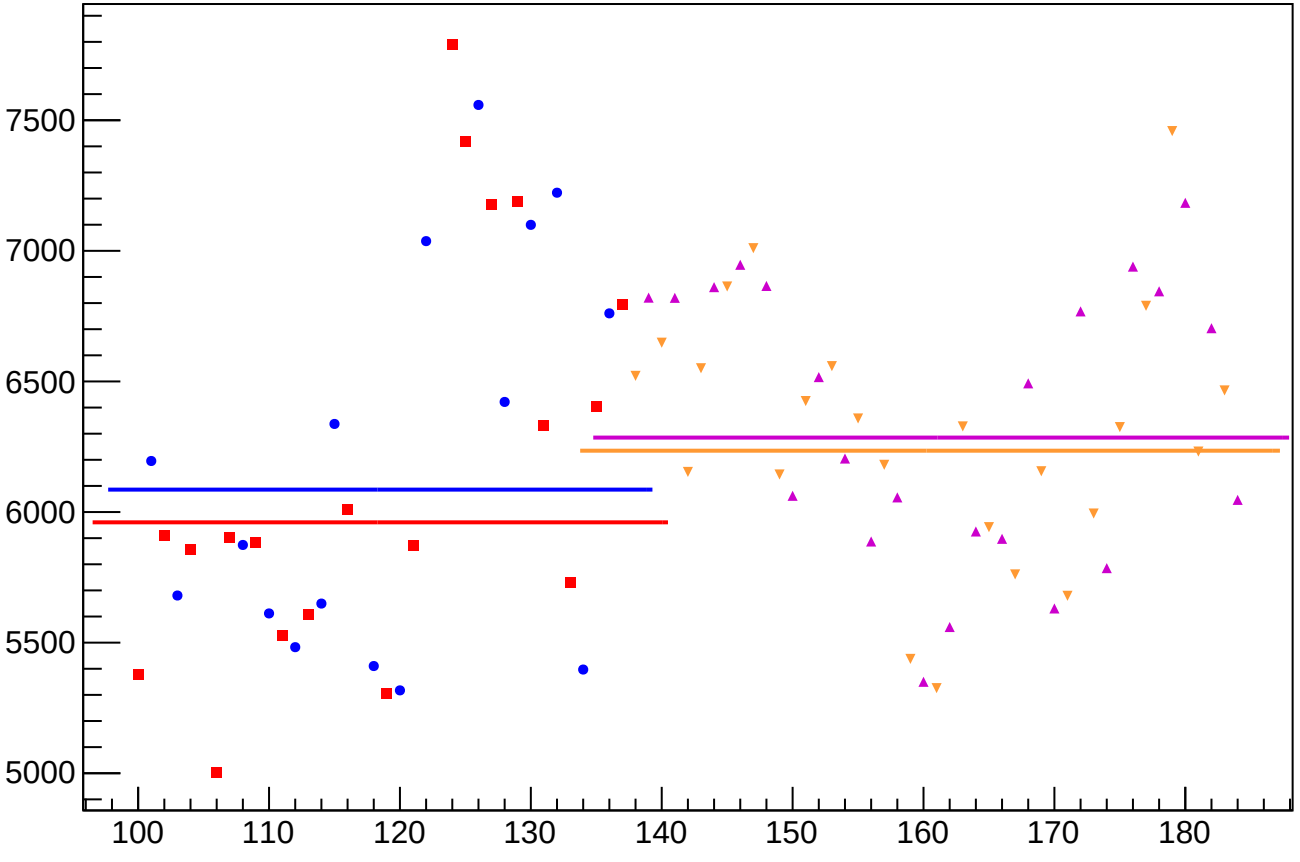
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -10.466+/-1.241 χ^2/NDF:49.6/38

Out: -3.811+/-1.201 χ^2/NDF:63.8/42

All: -7.030+/-0.863 χ^2/NDF: 128.2/81

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: 6285.058+/-1.046 χ^2/NDF:265370.2/22

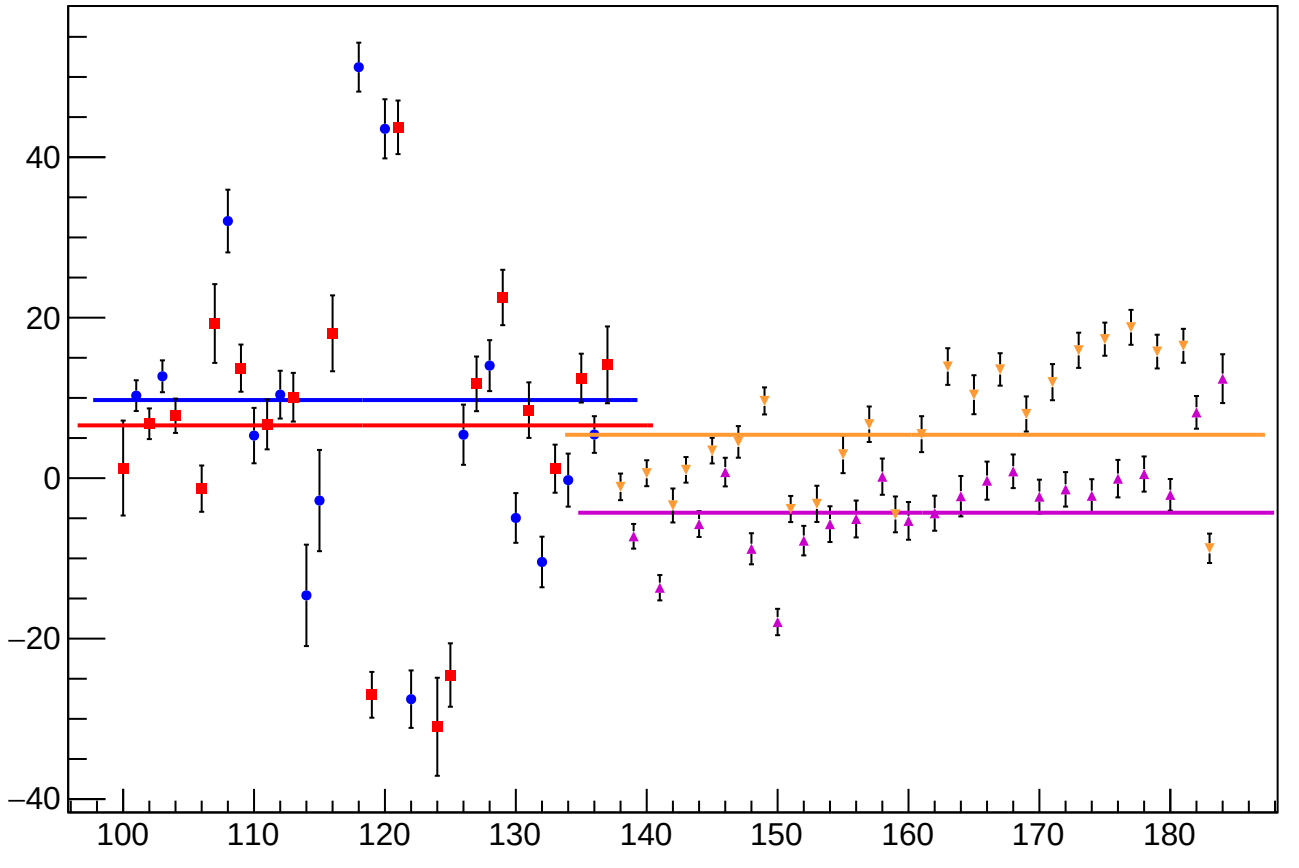
Left: 6259.231+/-0.729 χ^2/NDF: 492784.4/46

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6226.026+/-0.878 χ^2/NDF:455229.2/38

Out: 6152.399+/-0.850 χ^2/NDF:410919.8/42

All: 6188.014+/-0.610 χ^2/NDF: 869782.2/81



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: -4.310+/-0.420 χ^2/NDF:220.4/22

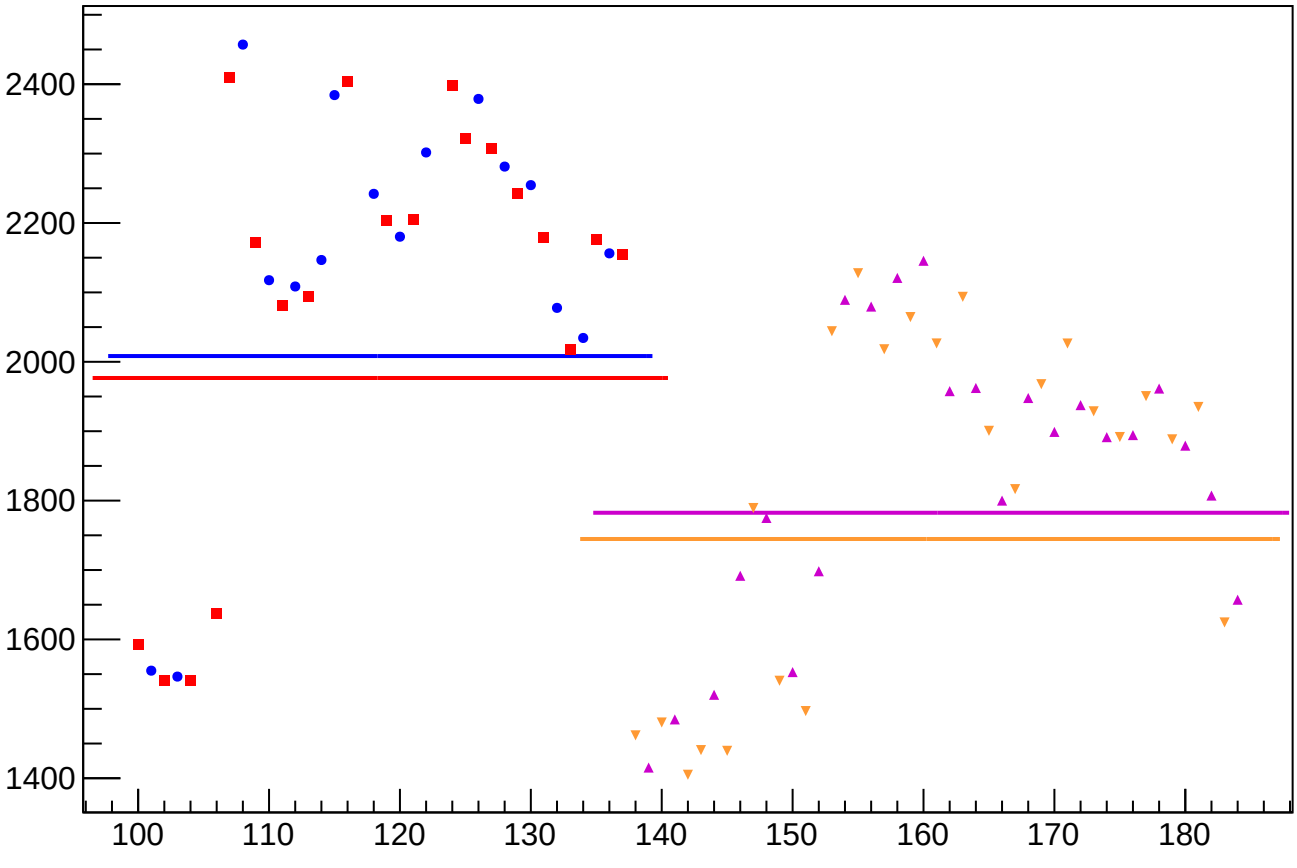
Left: 0.741+/-0.291 χ^2/NDF: 873.4/46

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -0.990+/-0.367 χ^2/NDF:997.0/38

Out: 5.679+/-0.353 χ^2/NDF:800.7/42

All: 2.472+/-0.255 χ^2/NDF: 1969.0/81



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: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1762.848+/-0.206 χ^2/NDF: 1305844.6/46

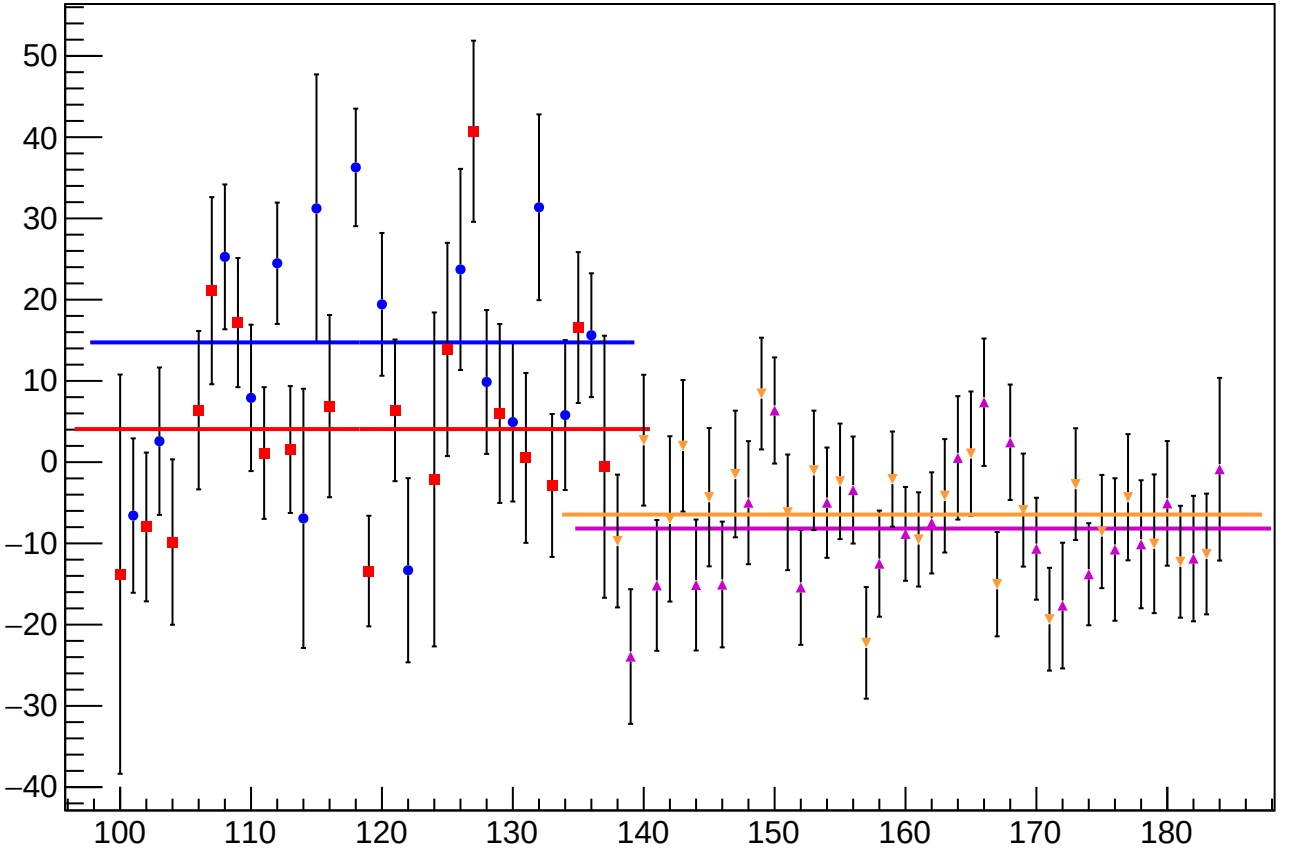
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1835.888+/-0.260 χ^2/NDF:1015375.4/38

Out: 1798.985+/-0.250 χ^2/NDF:1282987.6/42

All: 1816.730+/-0.180 χ^2/NDF: 2308856.4/81

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: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.286+/-1.053 χ^2/NDF: 48.3/46

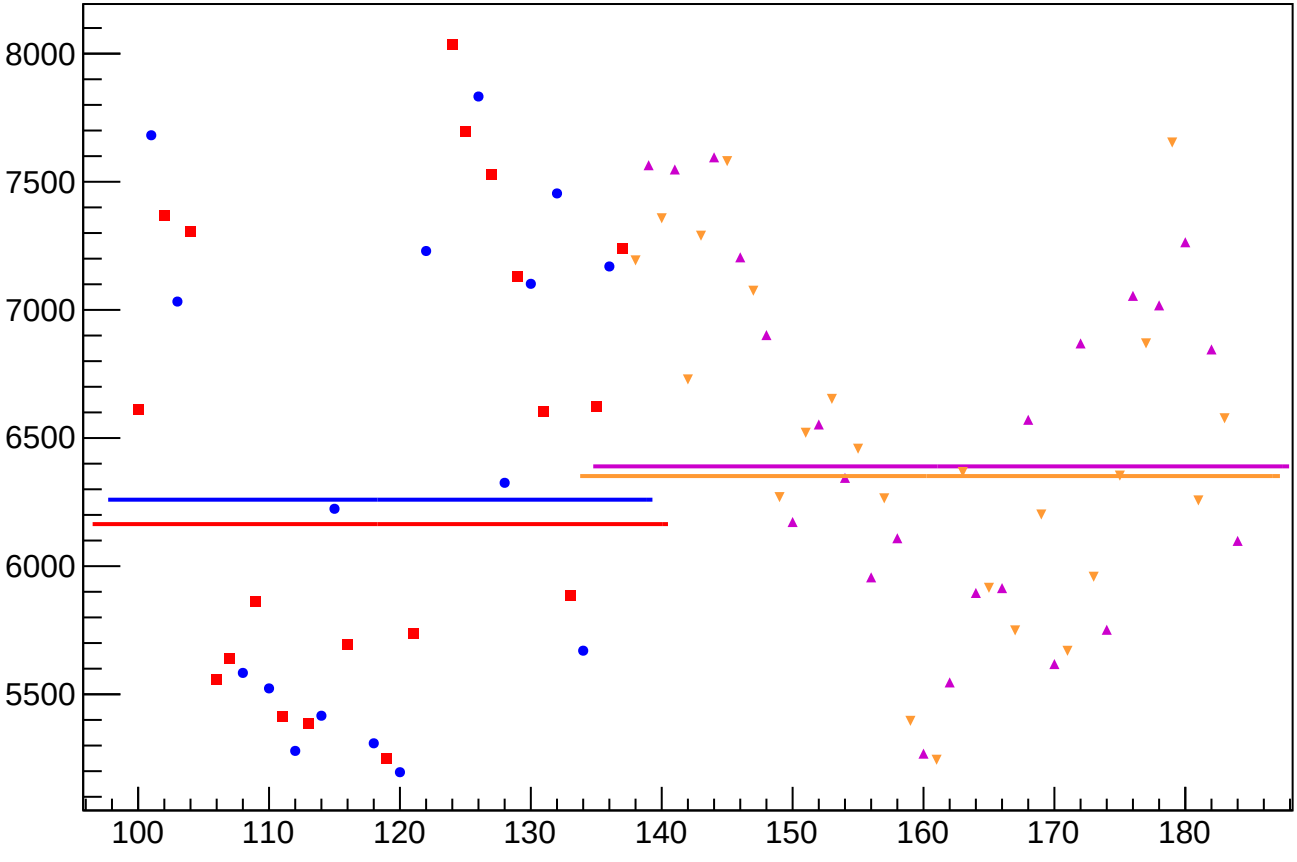
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: -1.507+/-1.272 χ^2/NDF:124.7/38

Out: -3.351+/-1.234 χ^2/NDF:68.8/42

All: -2.457+/-0.885 χ^2/NDF: 194.5/81

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: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6369.989+/-0.744 χ^2/NDF: 805269.7/46

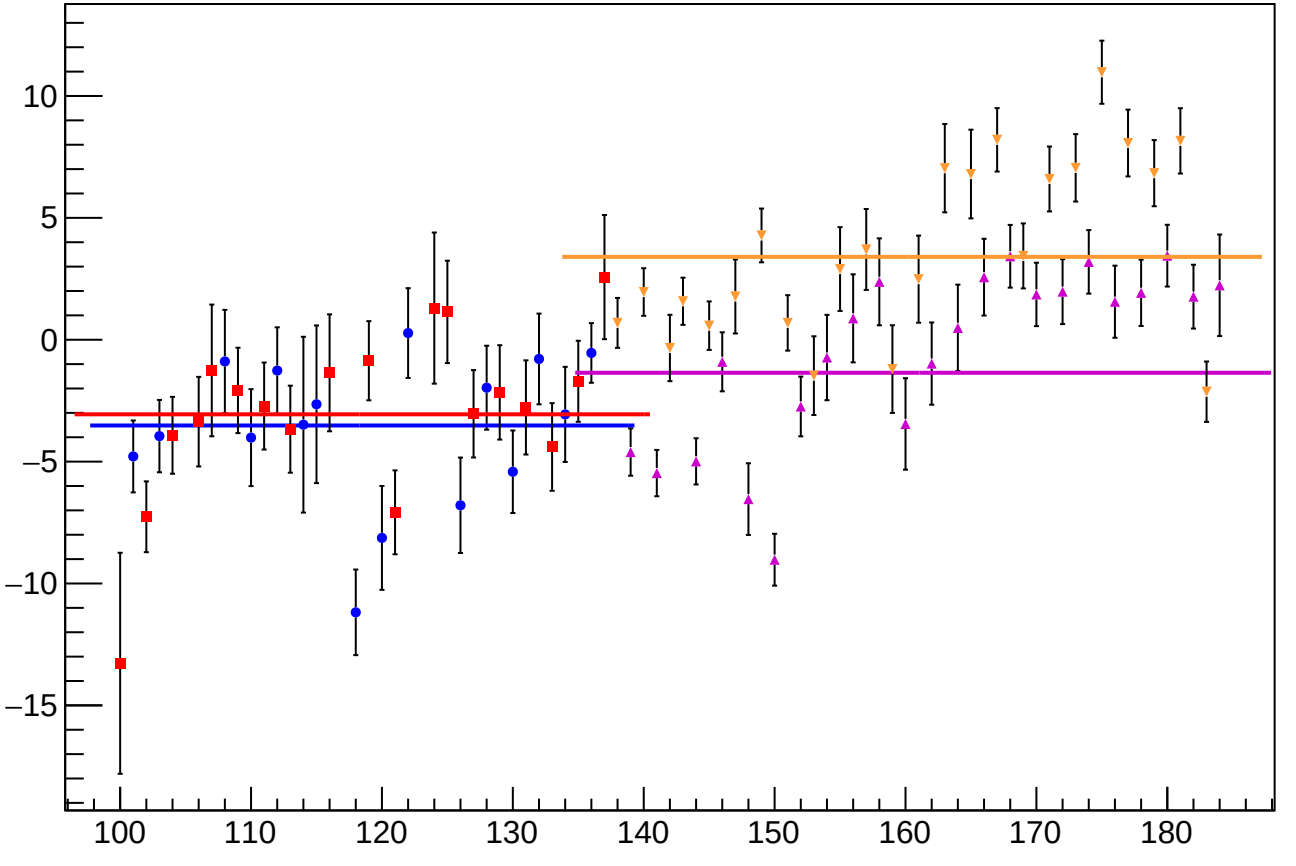
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6351.609+/-0.899 χ^2/NDF:732675.9/38

Out: 6296.409+/-0.872 χ^2/NDF:659518.9/42

All: 6323.176+/-0.626 χ^2/NDF: 1394136.3/81

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: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.112+/-0.192 χ^2/NDF: 520.0/46

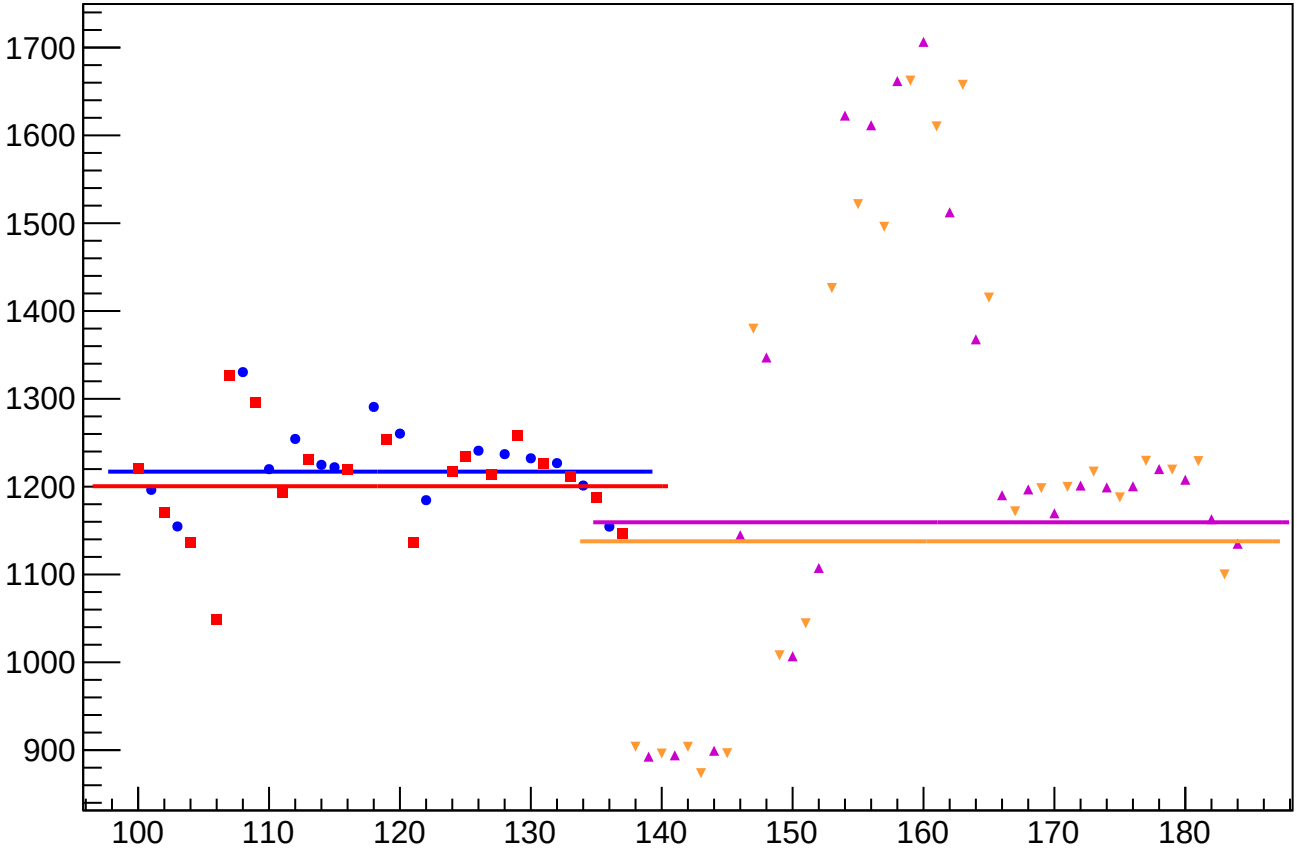
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -1.944+/-0.236 χ^2/NDF:258.0/38

Out: 1.657+/-0.228 χ^2/NDF:363.8/42

All: -0.078+/-0.164 χ^2/NDF: 742.4/81

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: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1148.195+/-0.136 χ^2/NDF: 2735114.4/46

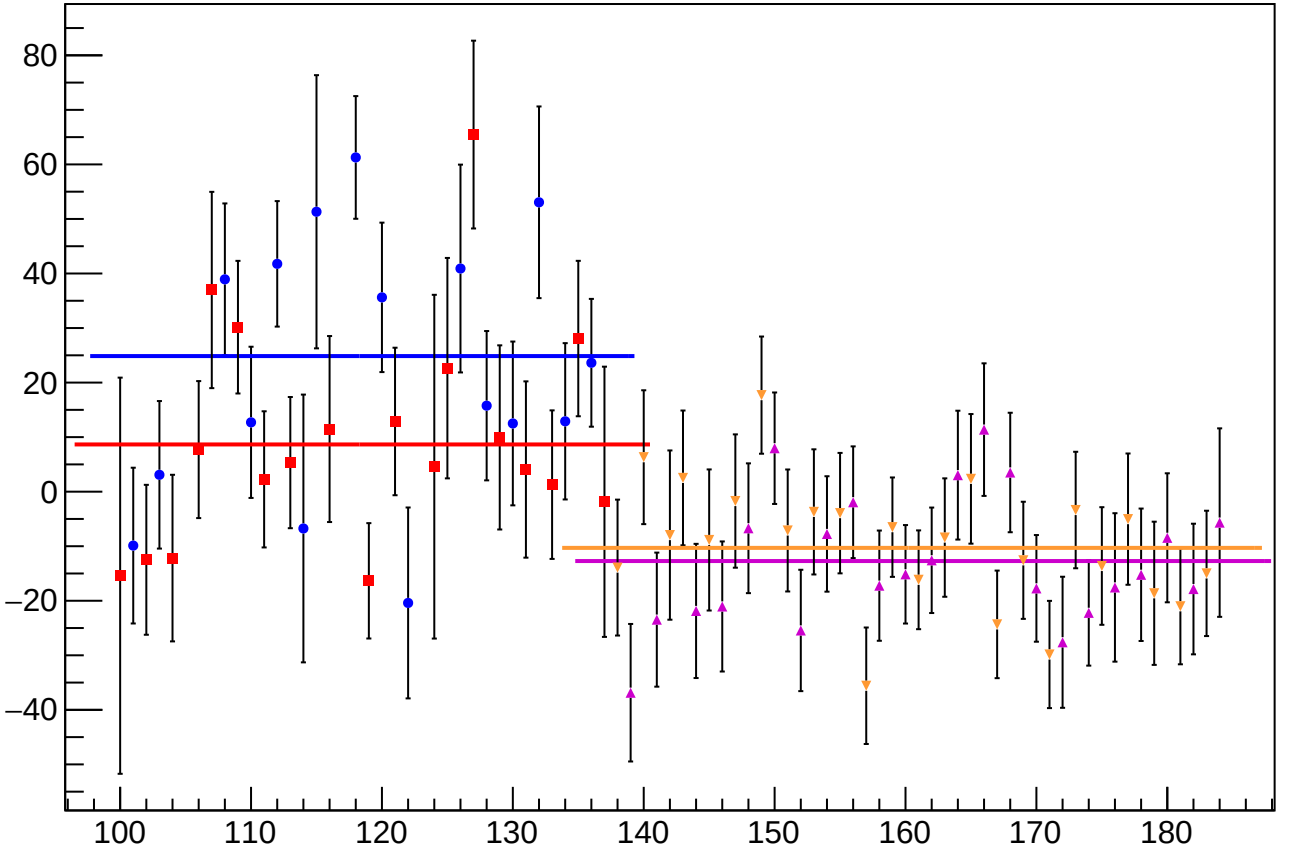
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1175.127+/-0.167 χ^2/NDF:1305126.8/38

Out: 1154.697+/-0.161 χ^2/NDF:1536518.3/42

All: 1164.545+/-0.116 χ^2/NDF: 2849406.7/81

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: -12.719+/-2.341 χ^2/NDF:24.0/22

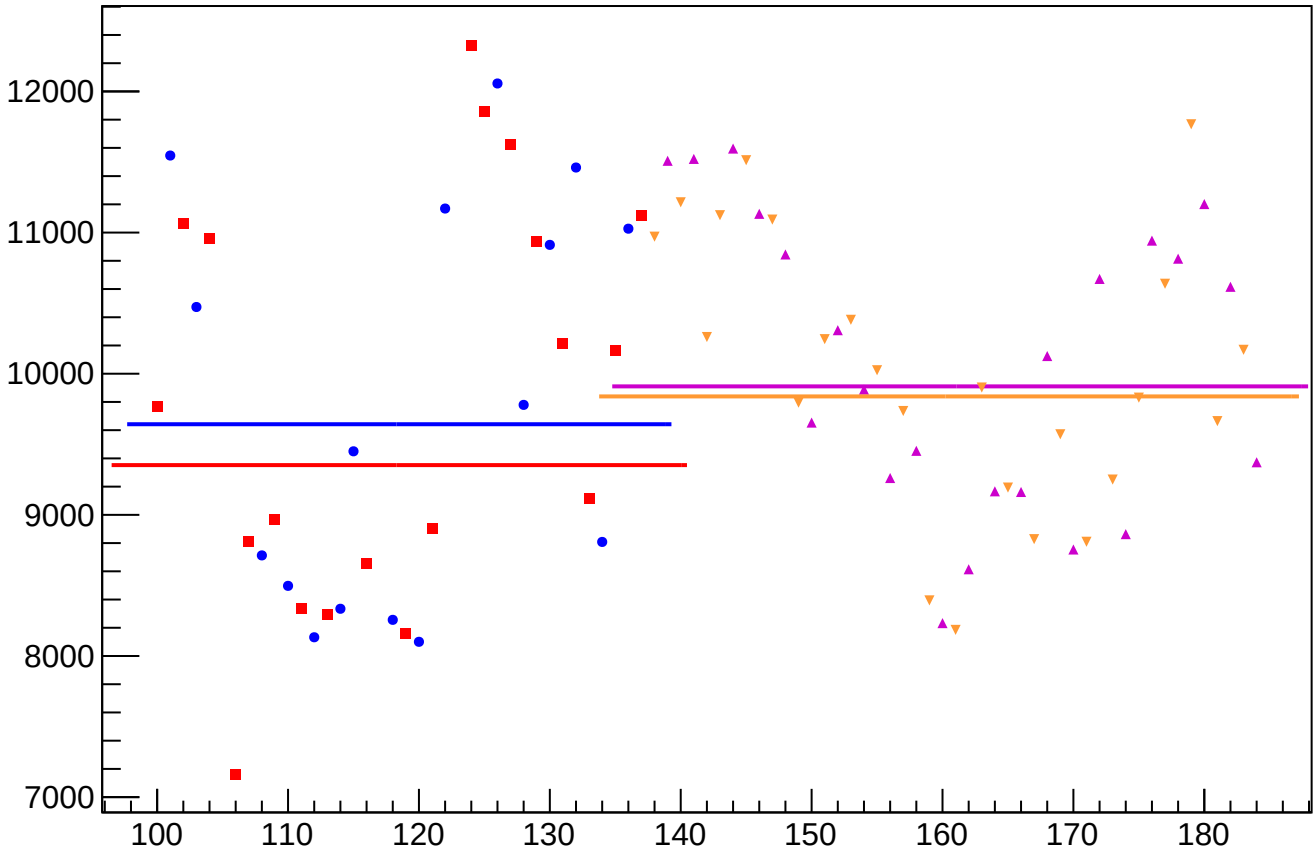
Left: -11.477+/-1.631 χ^2/NDF: 51.3/46

Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: -1.673+/-1.967 χ^2/NDF:137.9/38

Out: -4.568+/-1.900 χ^2/NDF:77.9/42

All: -3.171+/-1.366 χ^2/NDF: 217.0/81



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9839.140+/-1.608 χ^2/NDF:354553.4/23

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9873.697+/-1.153 χ^2/NDF: 744872.1/46

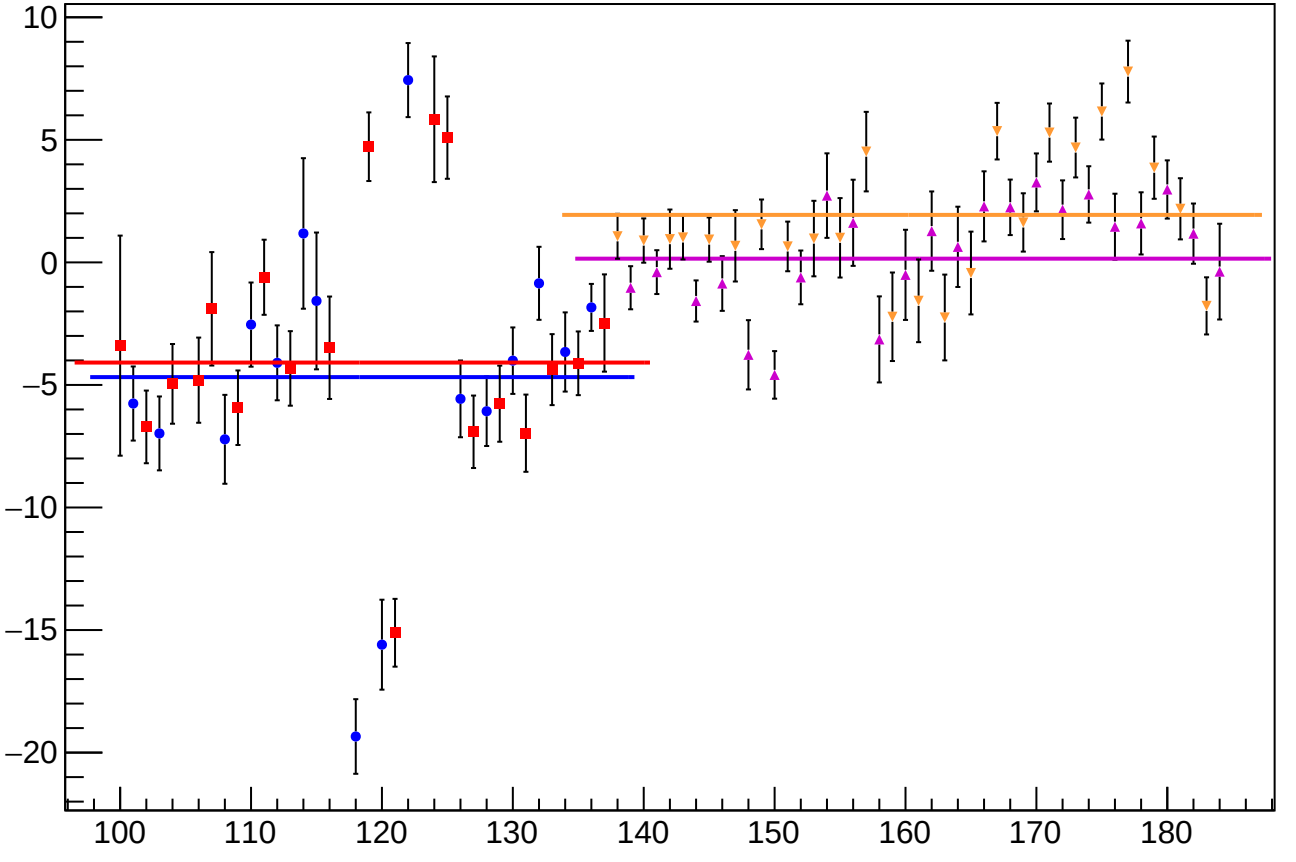
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9831.456+/-1.391 χ^2/NDF:676744.2/38

Out: 9691.928+/-1.343 χ^2/NDF:684028.2/42

All: 9759.261+/-0.966 χ^2/NDF: 1365979.7/81

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: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.081+/-0.176 χ^2/NDF: 199.0/46

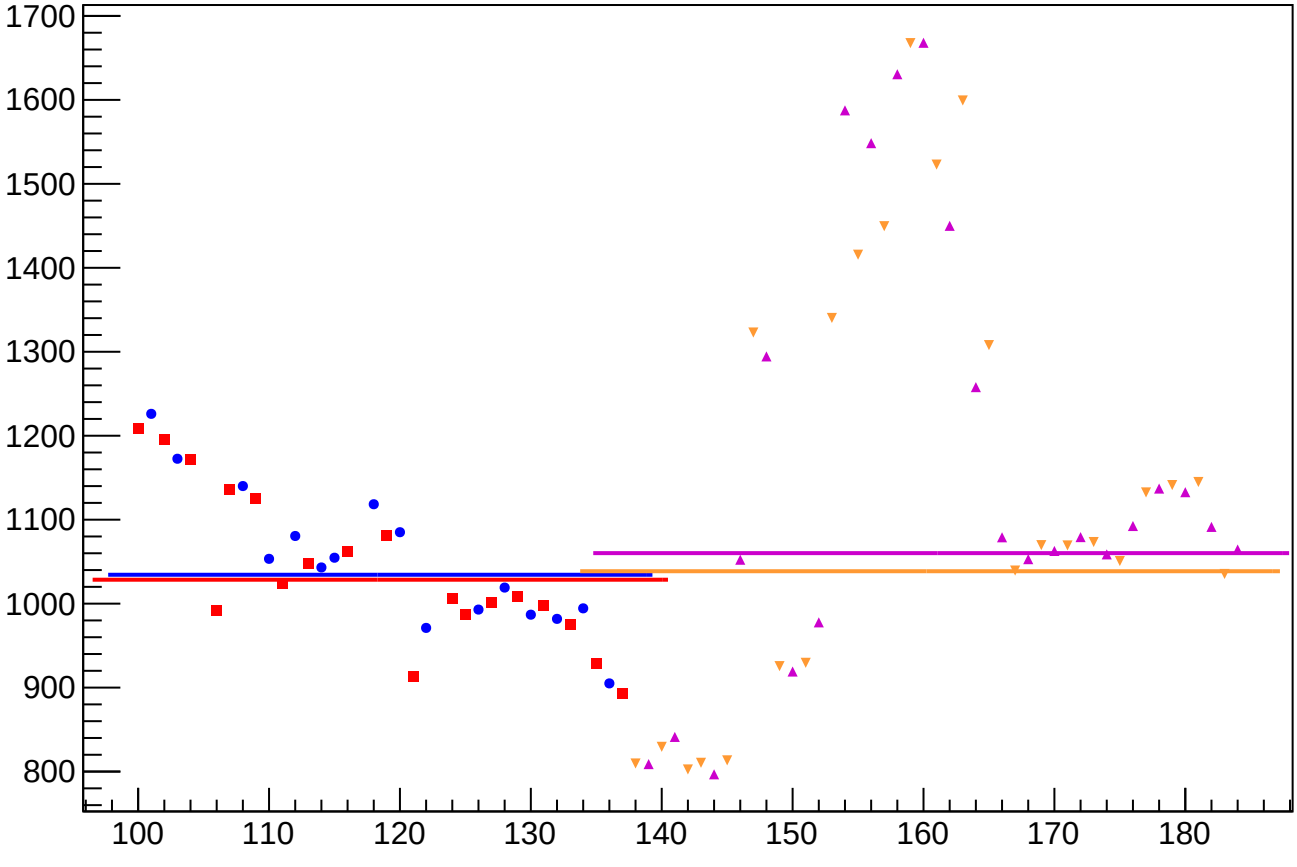
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -1.313+/-0.212 χ^2/NDF:406.2/38

Out: 0.151+/-0.205 χ^2/NDF:446.0/42

All: -0.555+/-0.148 χ^2/NDF: 876.8/81

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: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.951+/-0.125 χ^2/NDF: 3237272.1/46

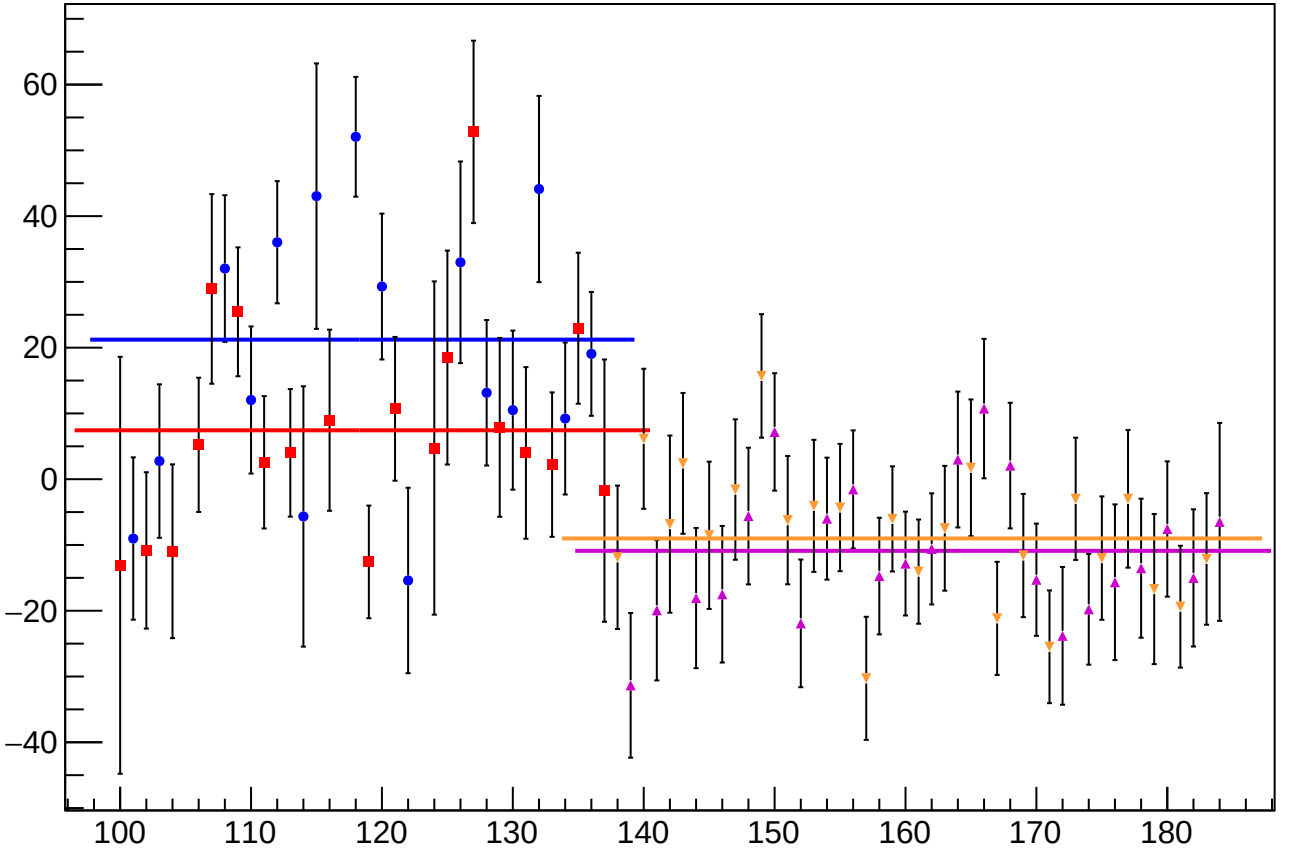
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1052.352+/-0.150 χ^2/NDF:1642712.1/38

Out: 1035.610+/-0.145 χ^2/NDF:1809228.4/42

All: 1043.683+/-0.104 χ^2/NDF: 3458373.1/81

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: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -9.922+/-1.423 χ^2/NDF: 50.5/46

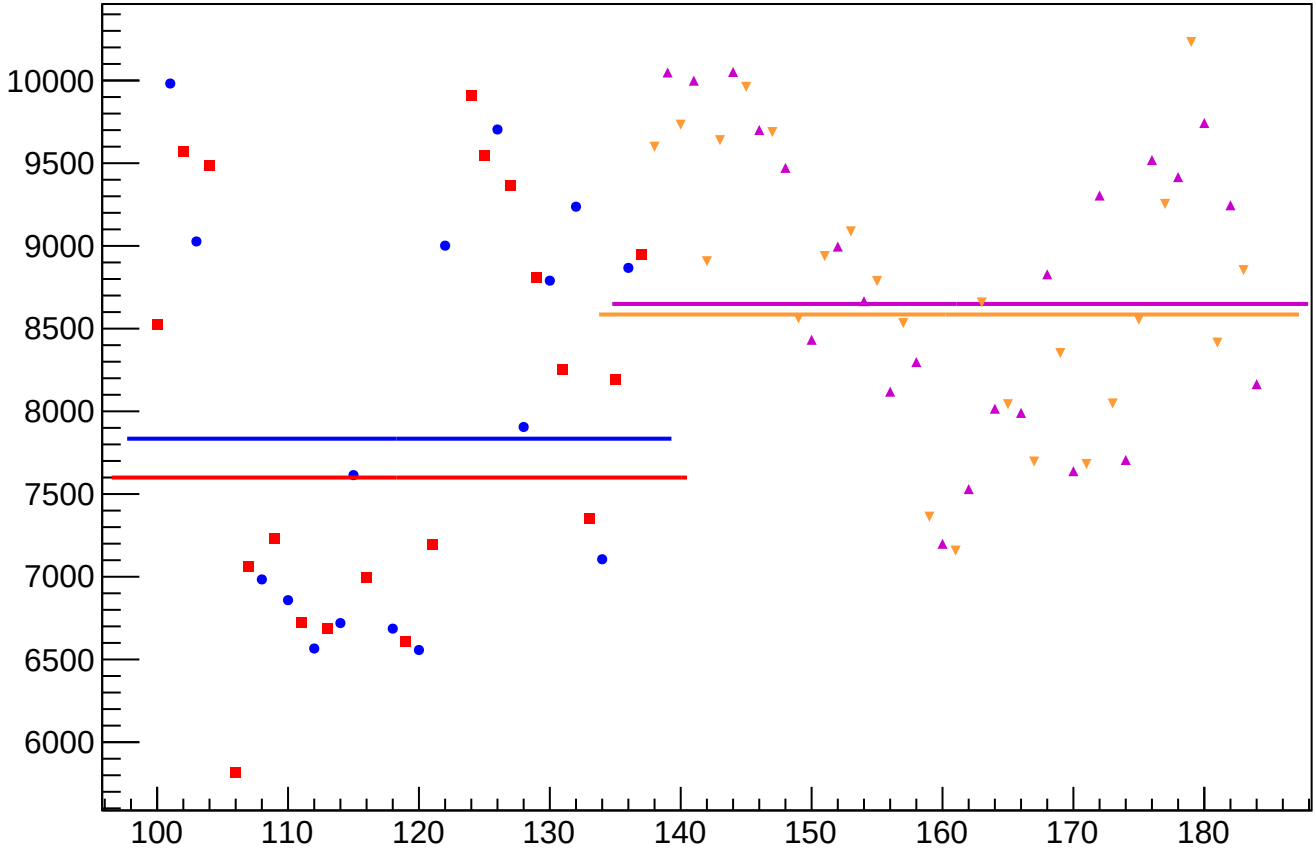
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: -0.494+/-1.680 χ^2/NDF:143.7/38

Out: -3.536+/-1.621 χ^2/NDF:79.1/42

All: -2.069+/-1.166 χ^2/NDF: 224.5/81

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: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8616.432+/-1.006 χ^2/NDF: 720977.1/46

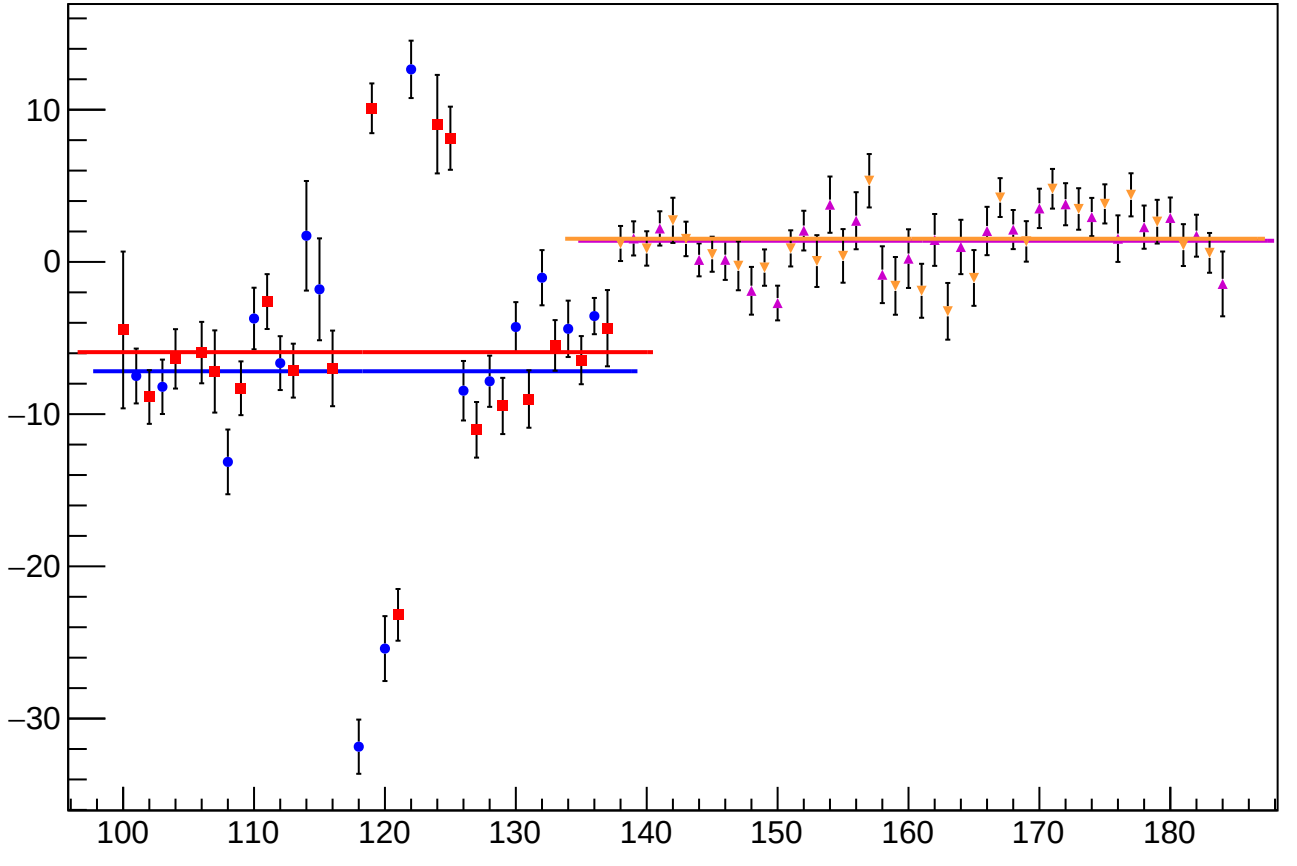
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8385.480+/-1.188 χ^2/NDF:799025.1/38

Out: 8257.538+/-1.146 χ^2/NDF:850536.9/42

All: 8319.236+/-0.825 χ^2/NDF: 1655570.7/81

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: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.459+/-0.204 χ^2/NDF: 83.7/46

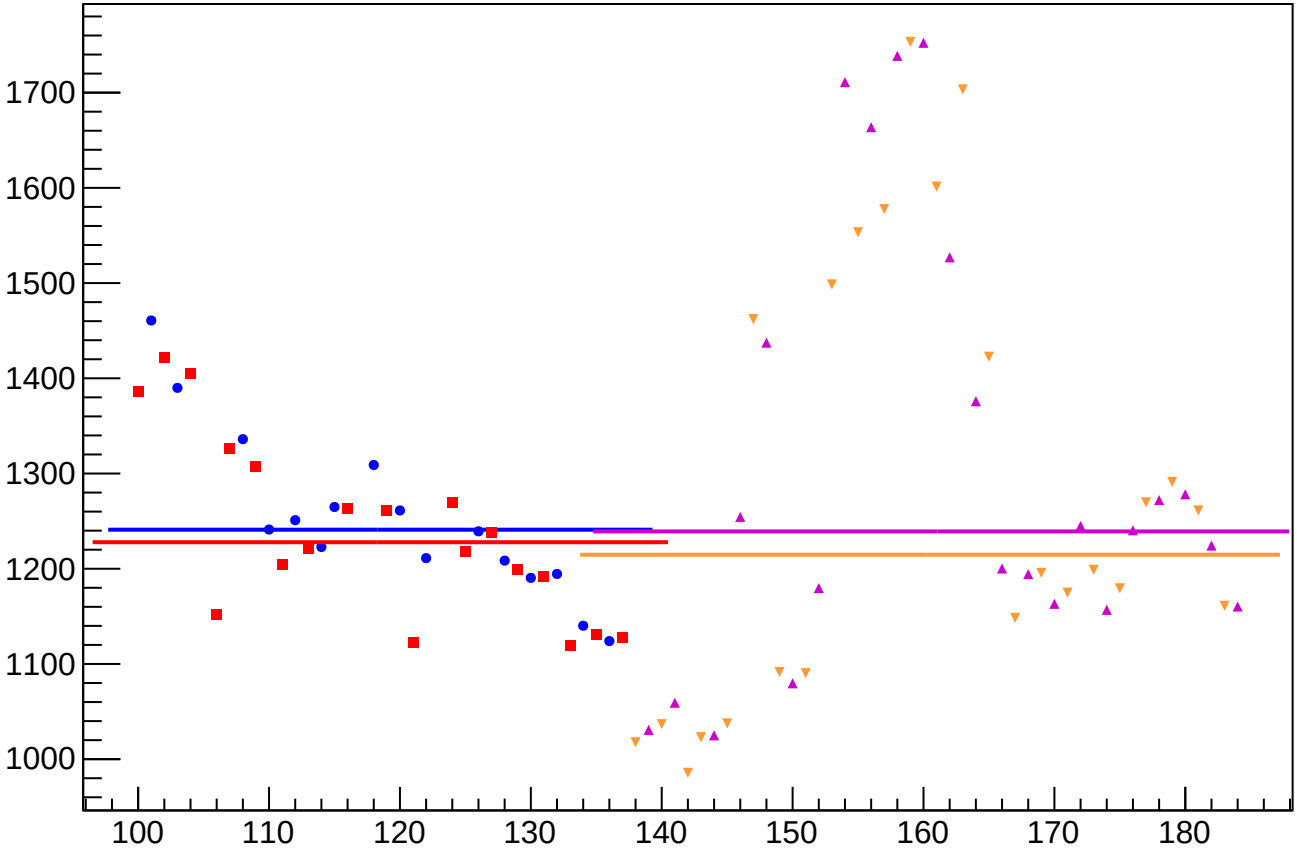
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -1.082+/-0.248 χ^2/NDF:702.5/38

Out: -0.592+/-0.239 χ^2/NDF:535.4/42

All: -0.828+/-0.172 χ^2/NDF: 1239.9/81

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1214.728+/-0.200 χ^2/NDF:1009435.7/23

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1226.466+/-0.144 χ^2/NDF: 1902206.9/46

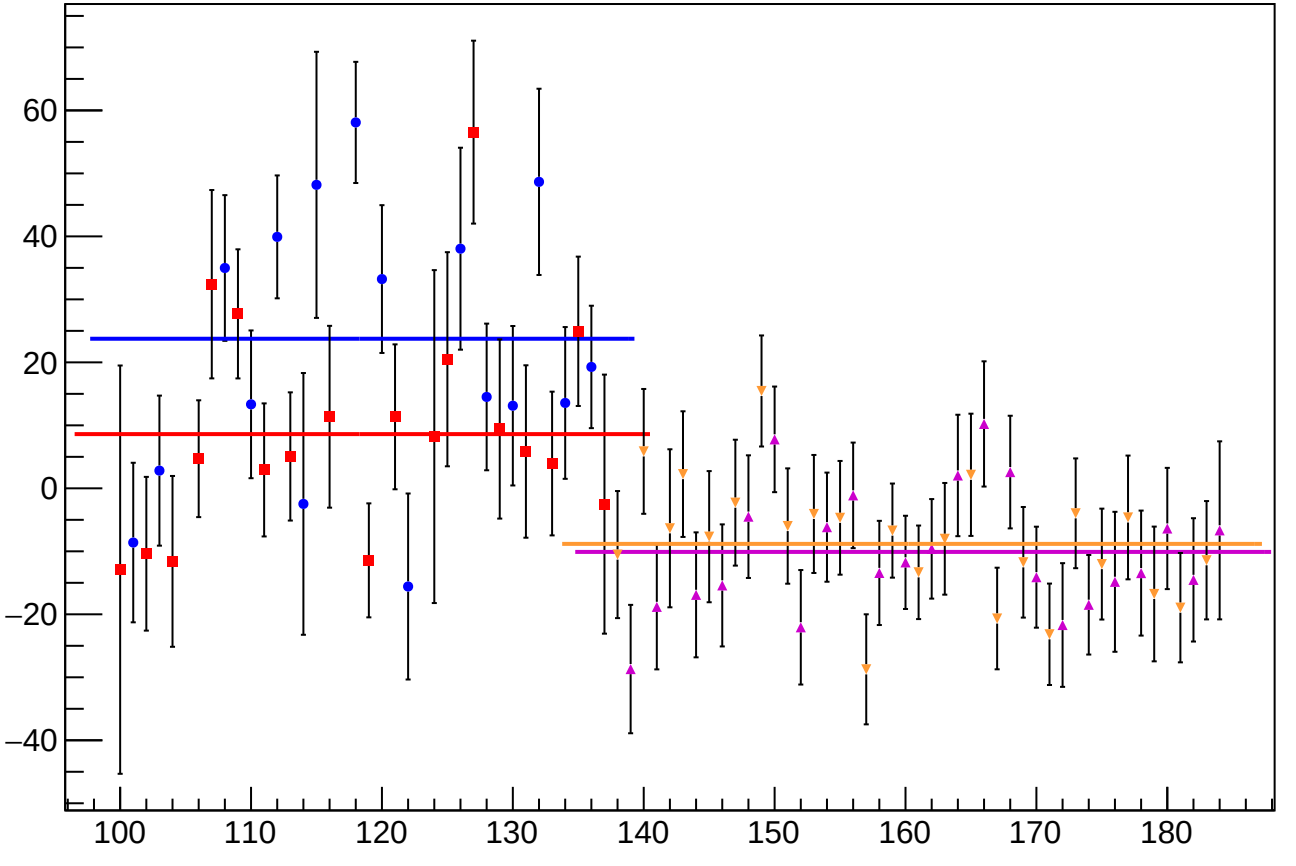
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1239.703+/-0.176 χ^2/NDF:966272.5/38

Out: 1218.458+/-0.169 χ^2/NDF:1092999.7/42

All: 1228.691+/-0.122 χ^2/NDF: 2066863.6/81

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: -10.095+/-1.911 χ^2/NDF:24.3/22

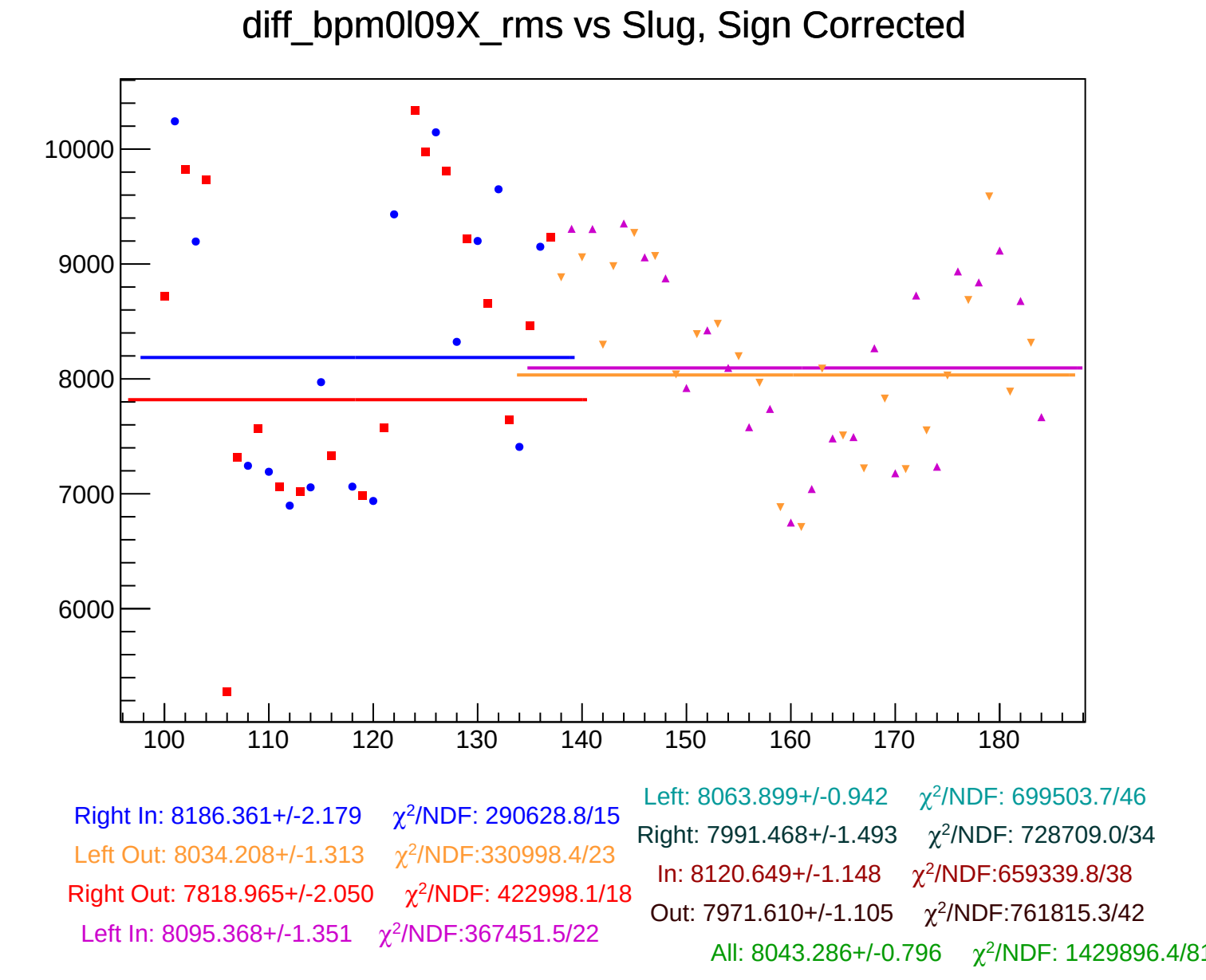
Left: -9.438+/-1.332 χ^2/NDF: 51.6/46

Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

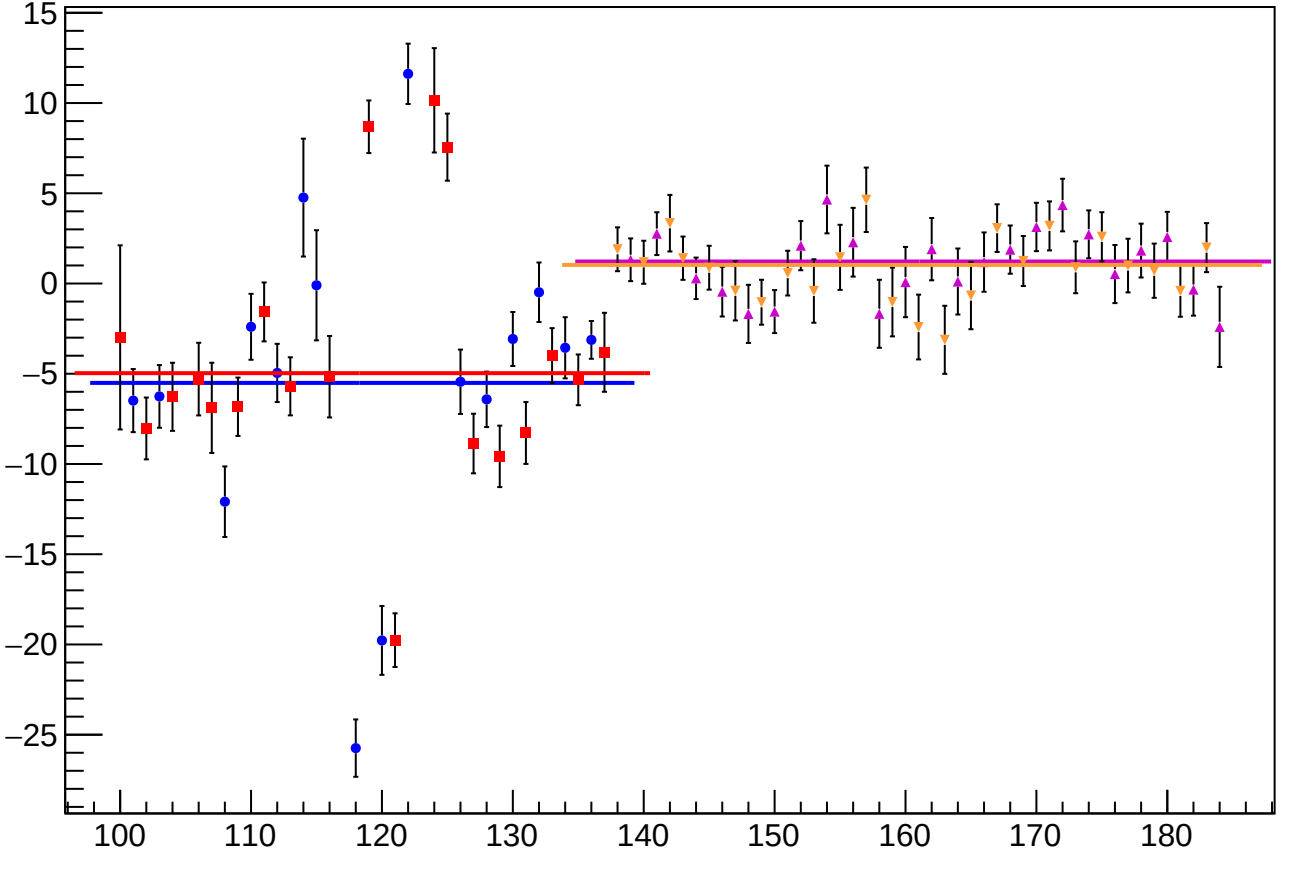
In: -0.692+/-1.624 χ^2/NDF:154.9/38

Out: -3.750+/-1.563 χ^2/NDF:83.2/42

All: -2.279+/-1.126 χ^2/NDF: 239.9/81


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: 8095.368+/-1.351 χ²/NDF:367451.5/22
Left: 8063.899+/-0.942 χ²/NDF: 699503.7/46
Right: 7991.468+/-1.493 χ²/NDF: 728709.0/34
In: 8120.649+/-1.148 χ²/NDF:659339.8/38
Out: 7971.610+/-1.105 χ²/NDF:761815.3/42
All: 8043.286+/-0.796 χ²/NDF: 1429896.4/81

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: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.122+/-0.212 χ^2/NDF: 62.9/46

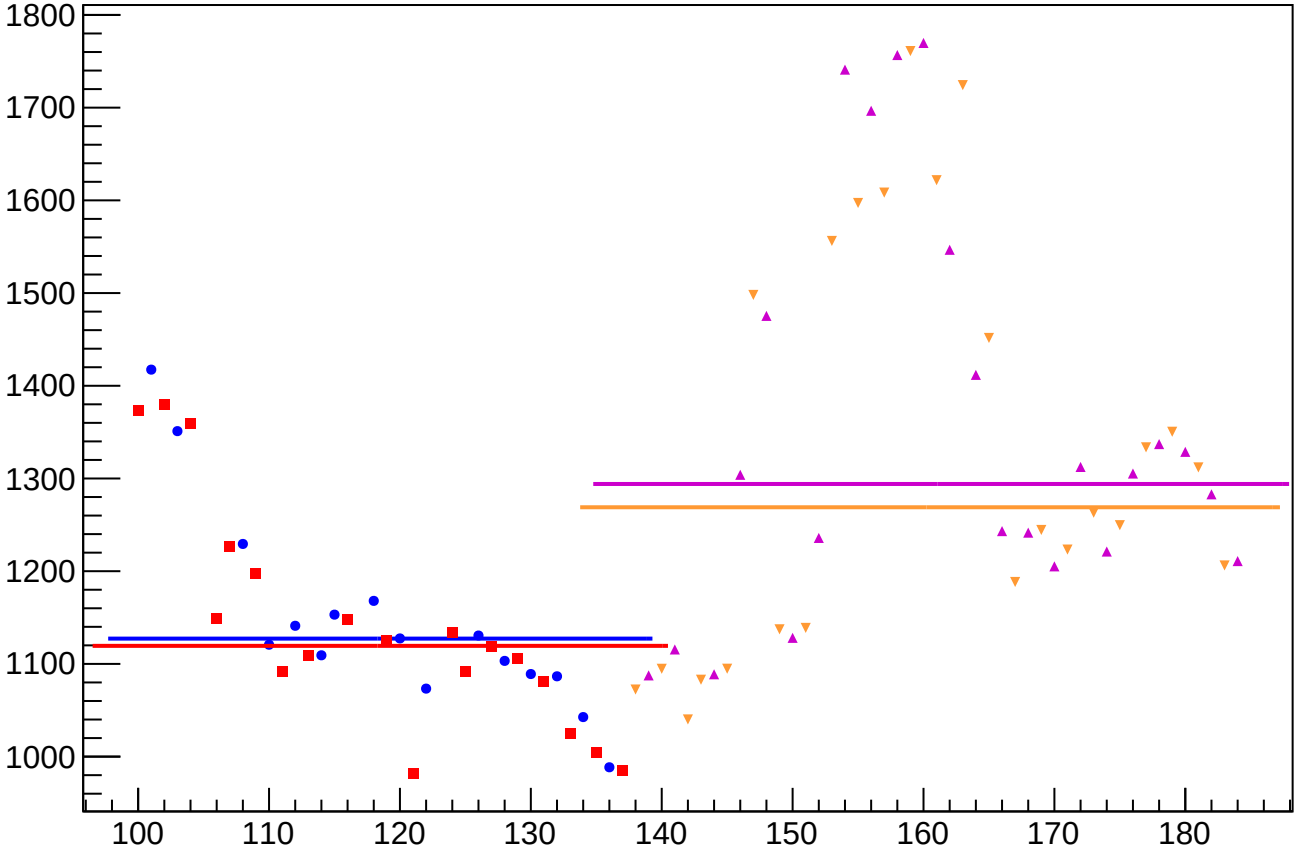
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -1.112+/-0.248 χ^2/NDF:569.8/38

Out: -1.010+/-0.239 χ^2/NDF:457.9/42

All: -1.059+/-0.172 χ^2/NDF: 1027.8/81

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: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1281.020+/-0.150 χ^2/NDF: 1640187.5/46

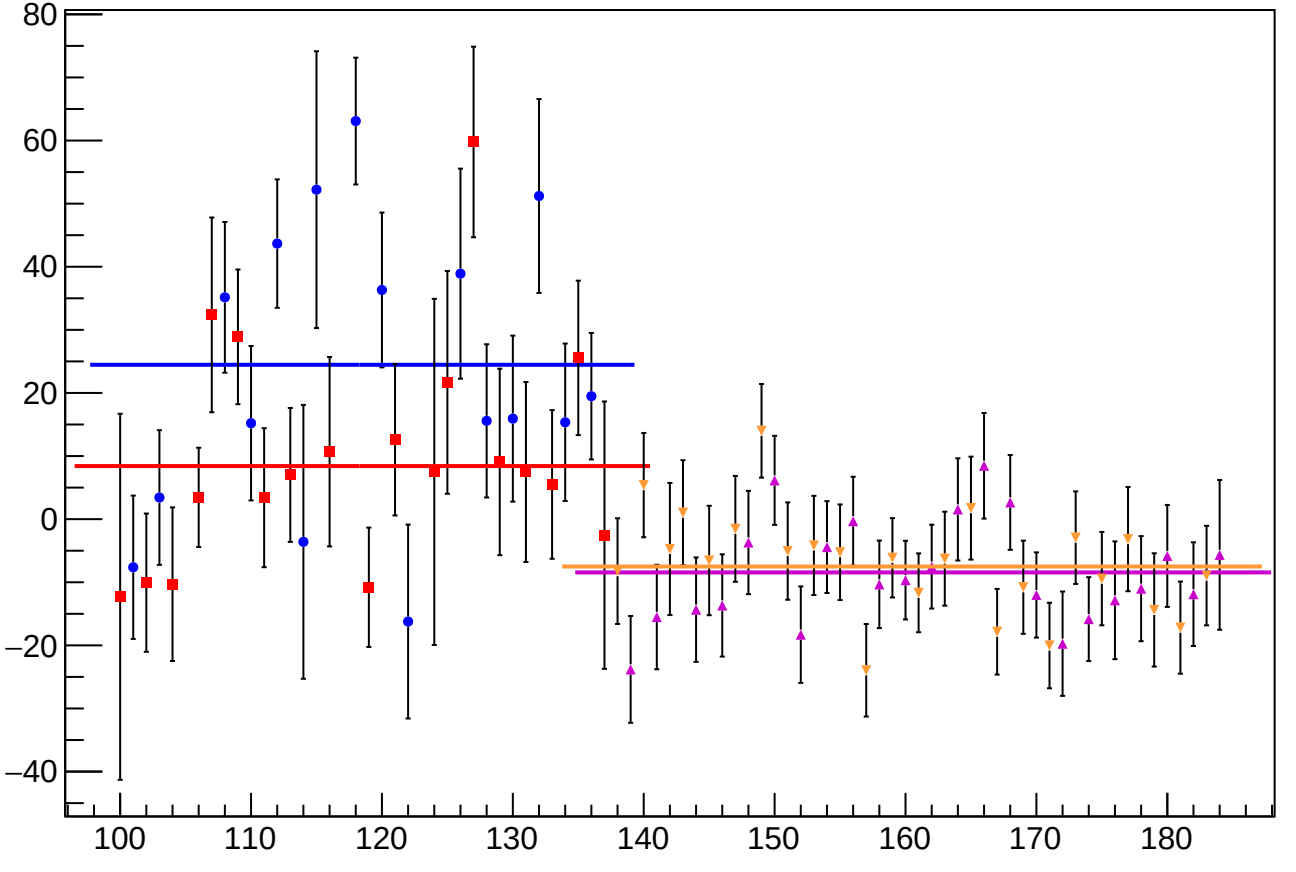
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1236.259+/-0.175 χ^2/NDF:1104014.5/38

Out: 1218.078+/-0.169 χ^2/NDF:1190824.1/42

All: 1226.855+/-0.122 χ^2/NDF: 2300407.1/81

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: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -7.957+/-1.118 χ^2/NDF: 53.7/46

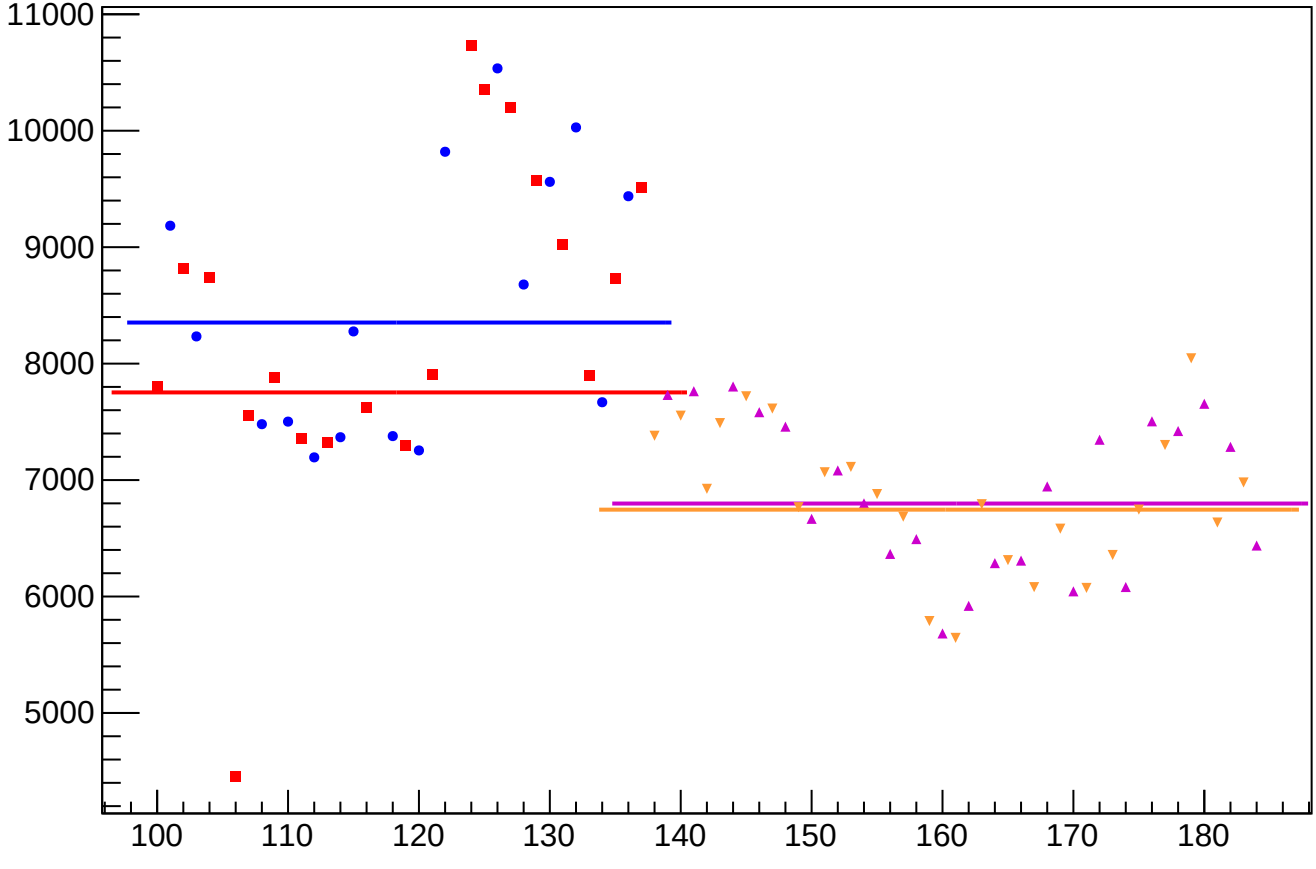
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: -1.611+/-1.429 χ^2/NDF:160.4/38

Out: -3.921+/-1.372 χ^2/NDF:83.4/42

All: -2.813+/-0.989 χ^2/NDF: 245.1/81

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: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6771.469+/-0.790 χ^2/NDF: 669655.5/46

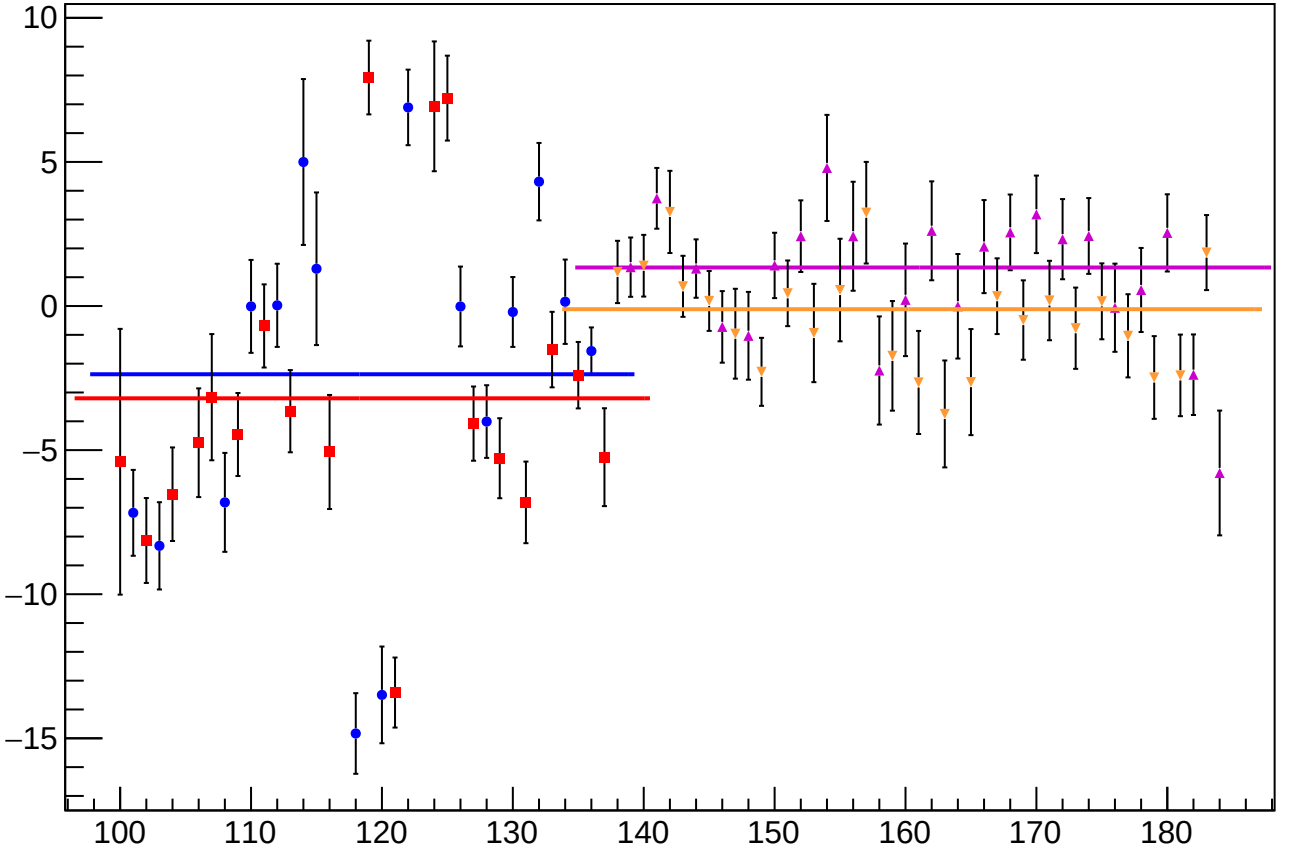
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7120.994+/-1.010 χ^2/NDF:962987.8/38

Out: 6972.616+/-0.970 χ^2/NDF:1091270.8/42

All: 7043.799+/-0.700 χ^2/NDF: 2065484.7/81

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: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.585+/-0.201 χ^2/NDF: 91.5/46

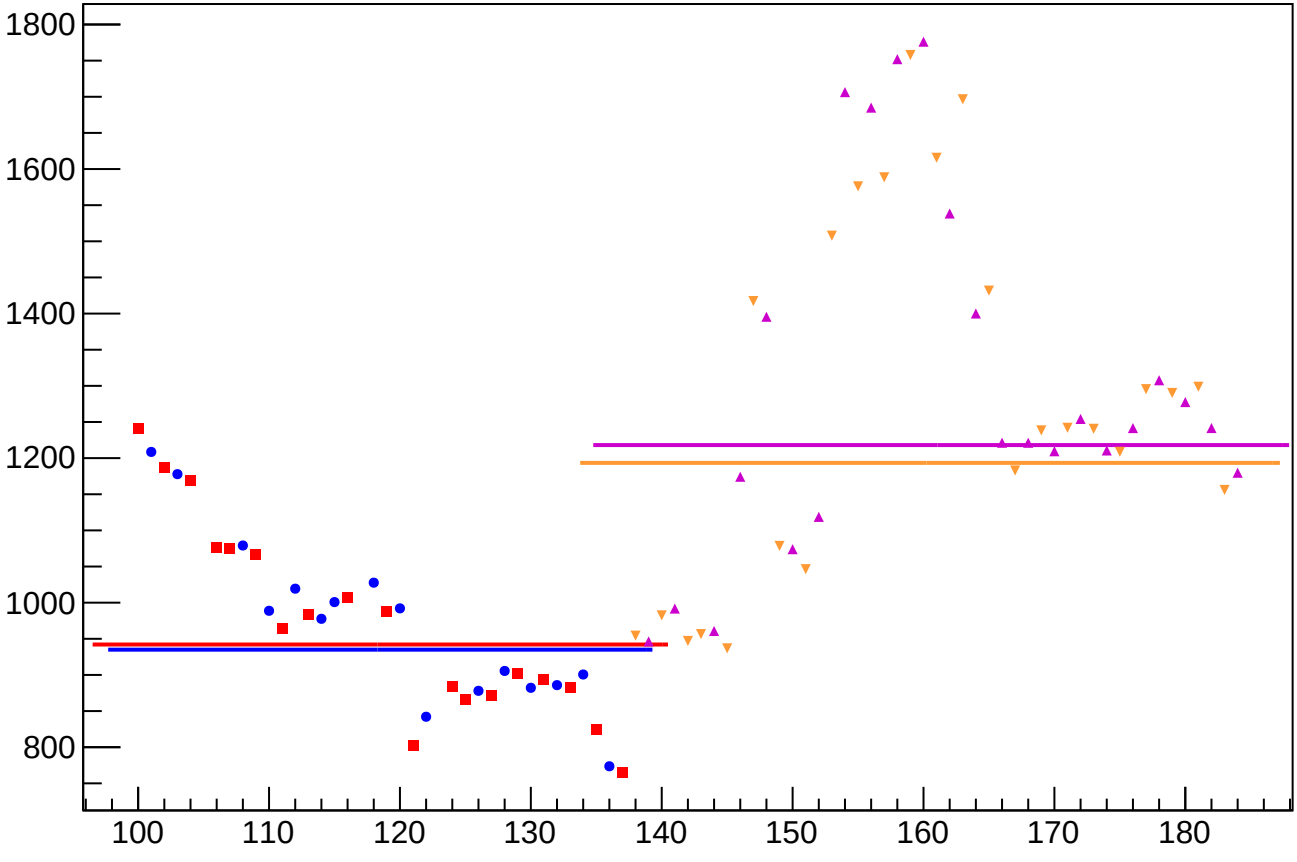
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.170+/-0.223 χ^2/NDF:365.9/38

Out: -1.326+/-0.217 χ^2/NDF:333.5/42

All: -0.765+/-0.156 χ^2/NDF: 713.1/81

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: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1205.250+/-0.142 χ^2/NDF: 2454380.1/46

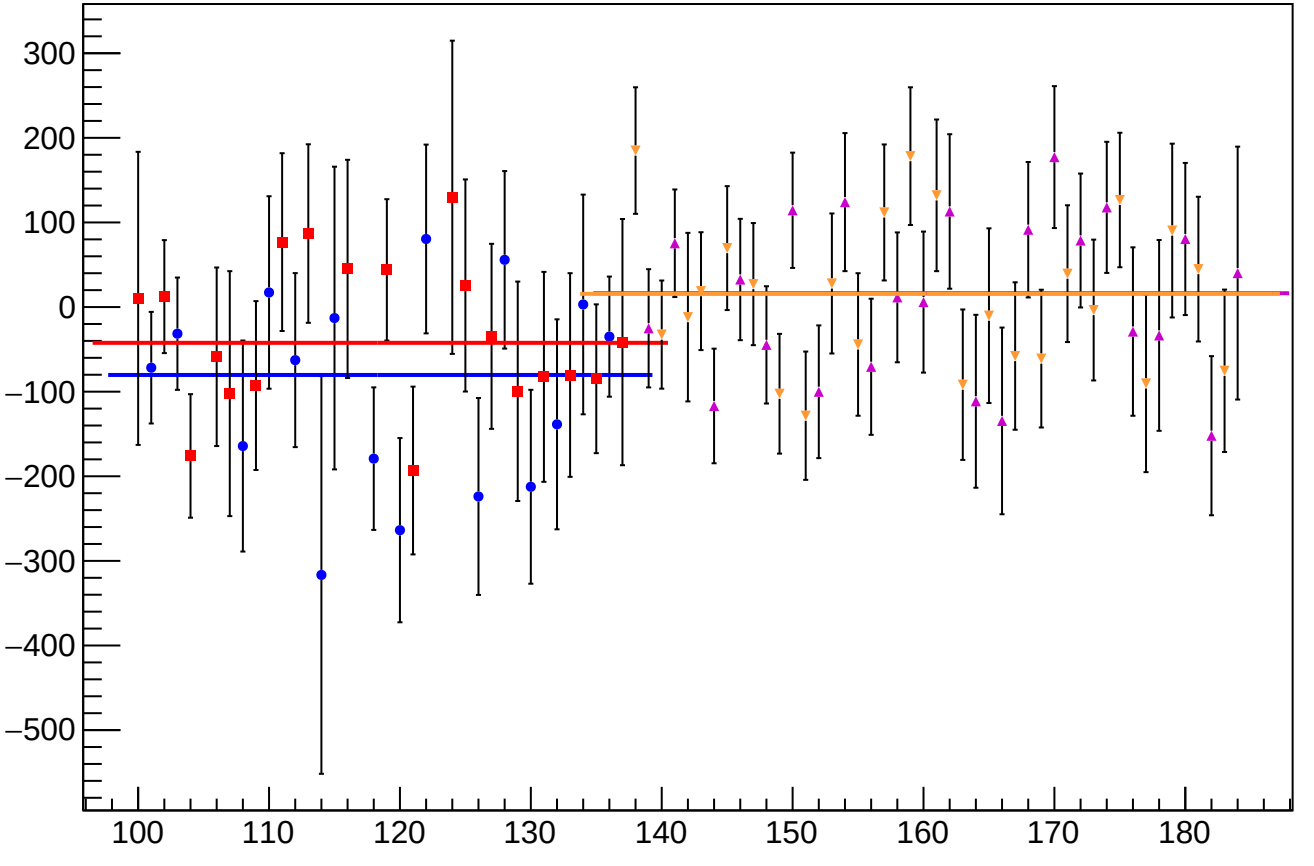
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1102.927+/-0.158 χ^2/NDF:2156498.3/38

Out: 1094.587+/-0.154 χ^2/NDF:2190350.0/42

All: 1098.638+/-0.110 χ^2/NDF: 4348280.5/81

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 15.654+/-16.691 χ^2/NDF:28.2/23

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

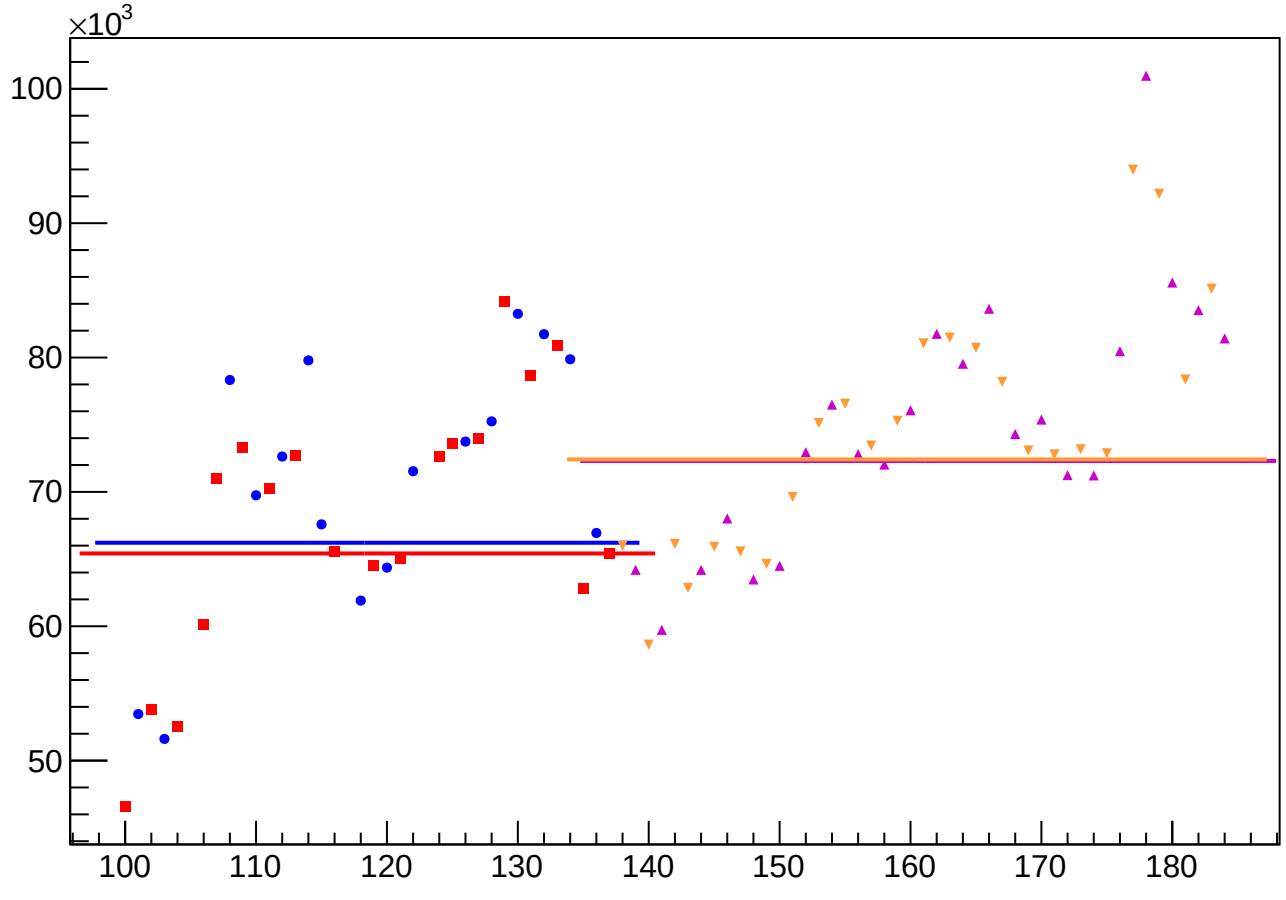
Left: 15.990+/-11.916 χ^2/NDF: 56.9/46

Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -14.398+/-14.052 χ^2/NDF:53.8/38

Out: -3.074+/-13.729 χ^2/NDF:45.0/42

All: -8.605+/-9.820 χ^2/NDF: 99.1/81



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: 72300.590+/-12.033 χ^2/NDF:488780.3/22

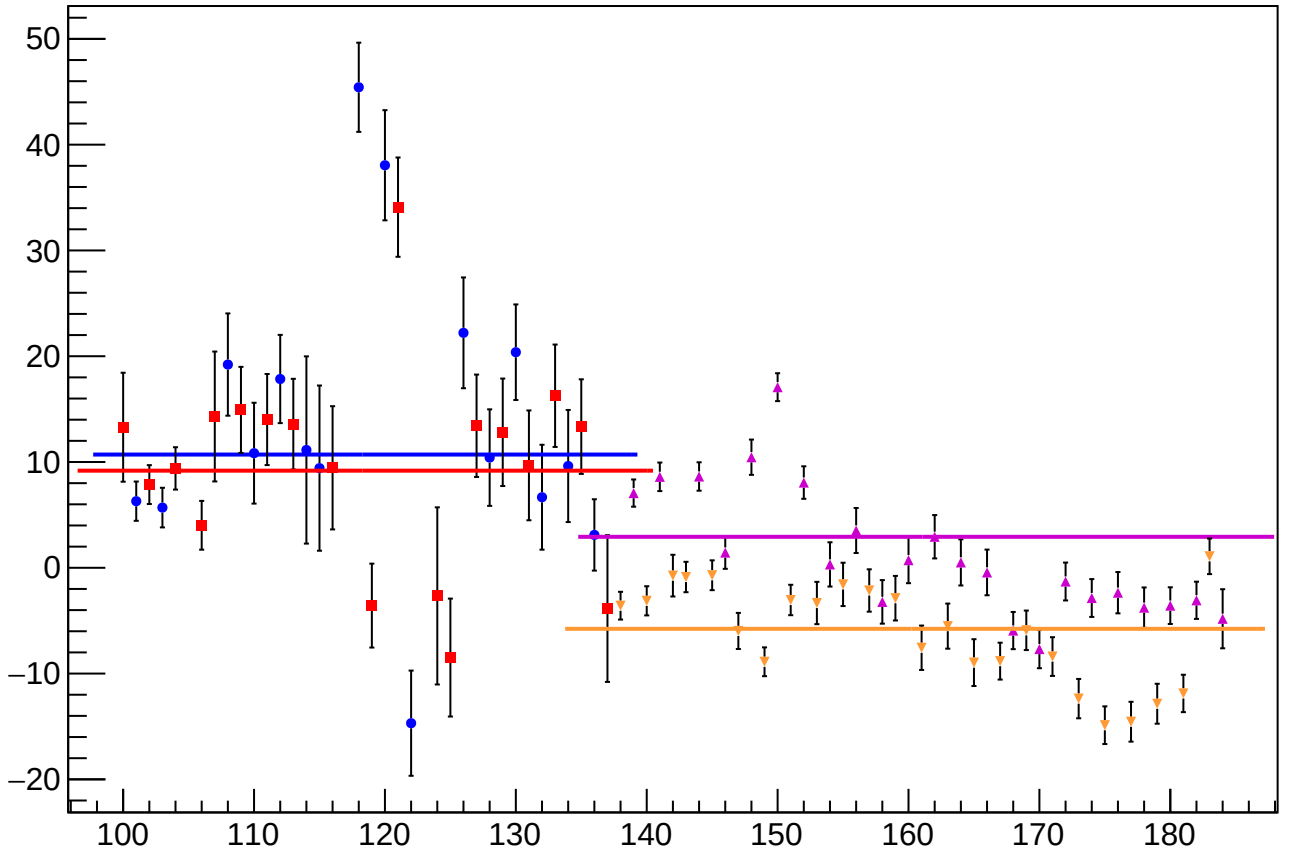
Left: 72361.429+/-8.426 χ^2/NDF: 977653.4/46

Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 70364.356+/-9.936 χ^2/NDF:908517.0/38

Out: 70156.052+/-9.708 χ^2/NDF:907176.0/42

All: 70257.790+/-6.944 χ^2/NDF: 1815917.8/8



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: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.550+/-0.252 χ^2/NDF: 802.5/46

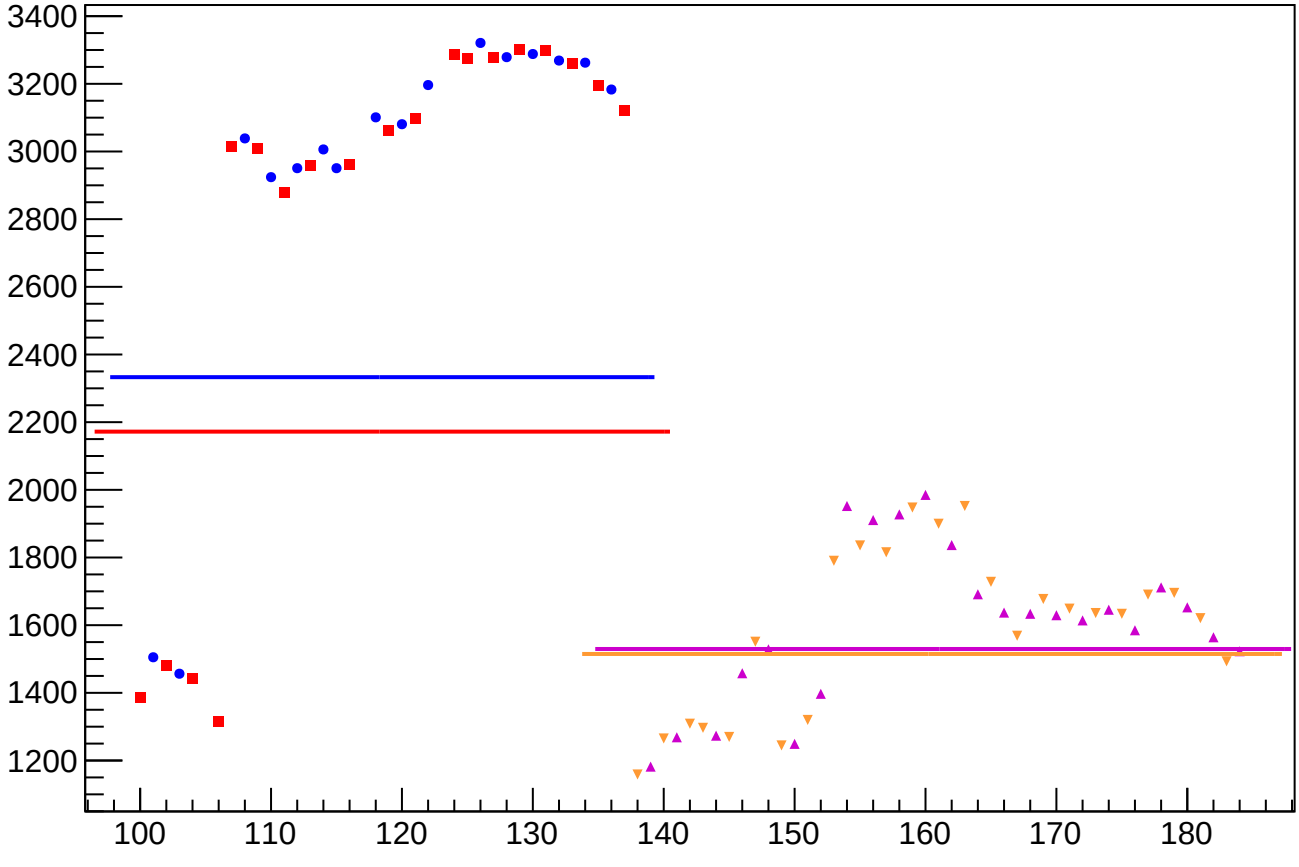
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 3.972+/-0.337 χ^2/NDF:554.7/38

Out: -3.585+/-0.325 χ^2/NDF:502.0/42

All: 0.054+/-0.234 χ^2/NDF: 1317.2/81

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: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1522.048+/-0.178 χ^2/NDF: 1763158.3/46

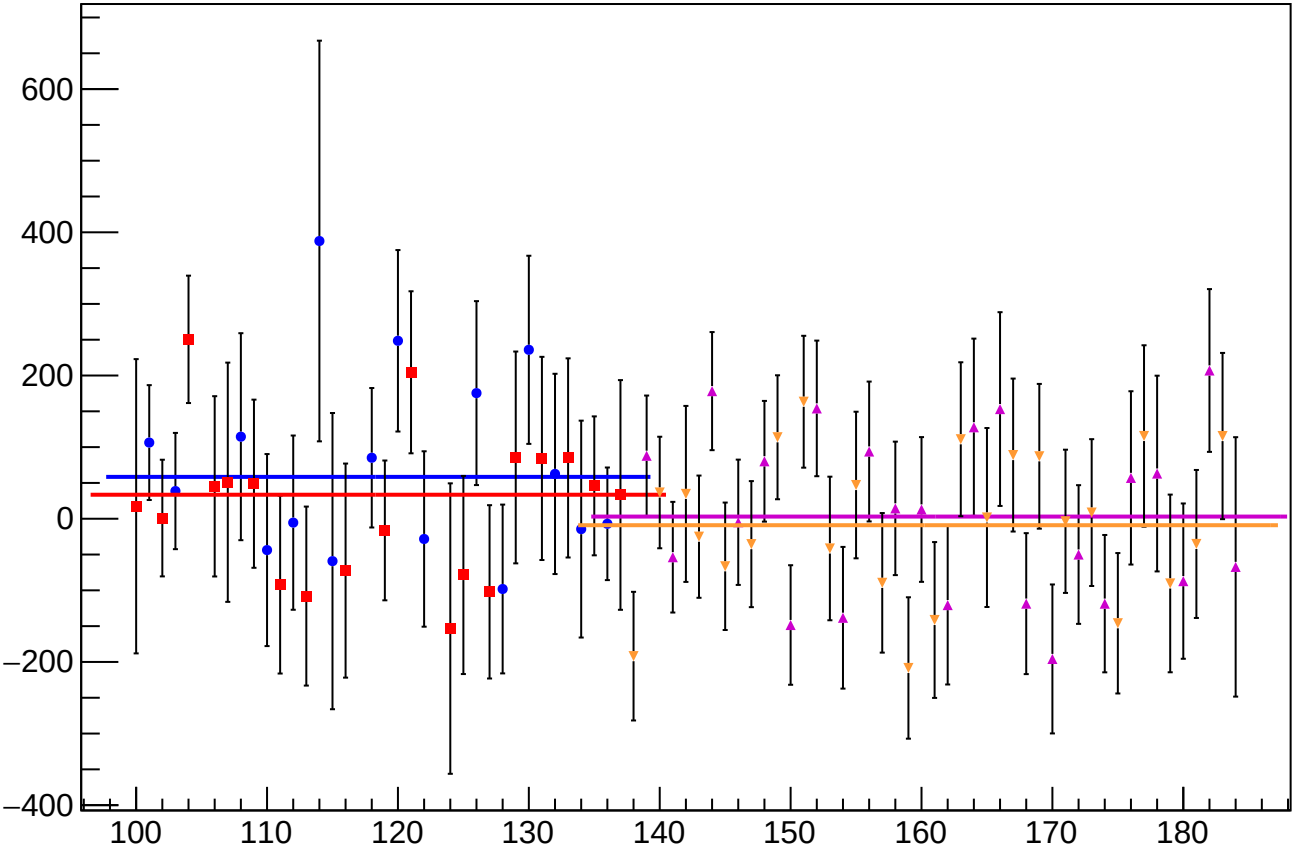
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1637.374+/-0.238 χ^2/NDF:3798901.3/38

Out: 1610.883+/-0.230 χ^2/NDF:3937635.2/42

All: 1623.640+/-0.165 χ^2/NDF: 7742939.3/81

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: 3.017+/-20.720 χ^2/NDF:30.7/22

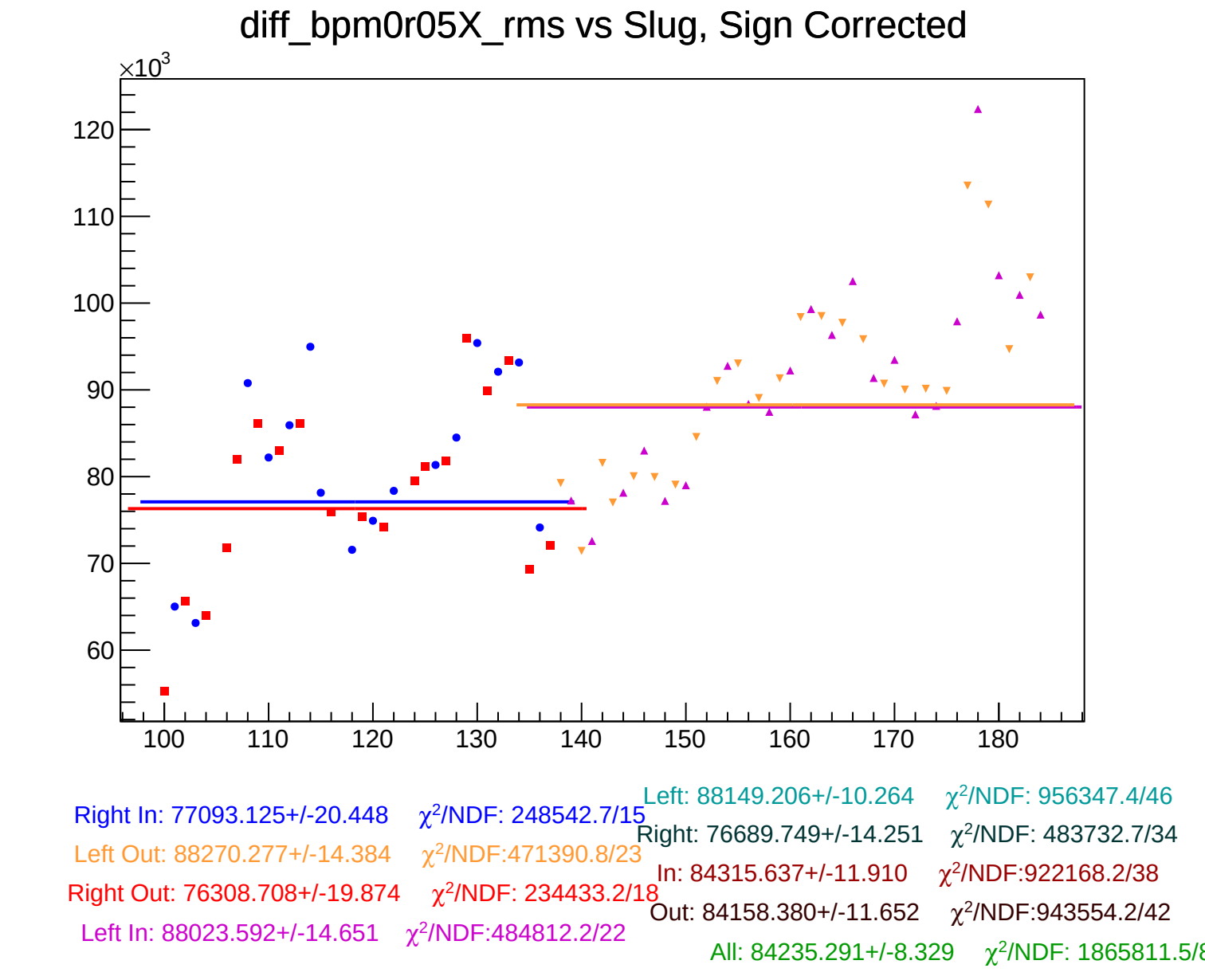
Left: -3.129+/-14.516 χ^2/NDF: 55.8/46

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

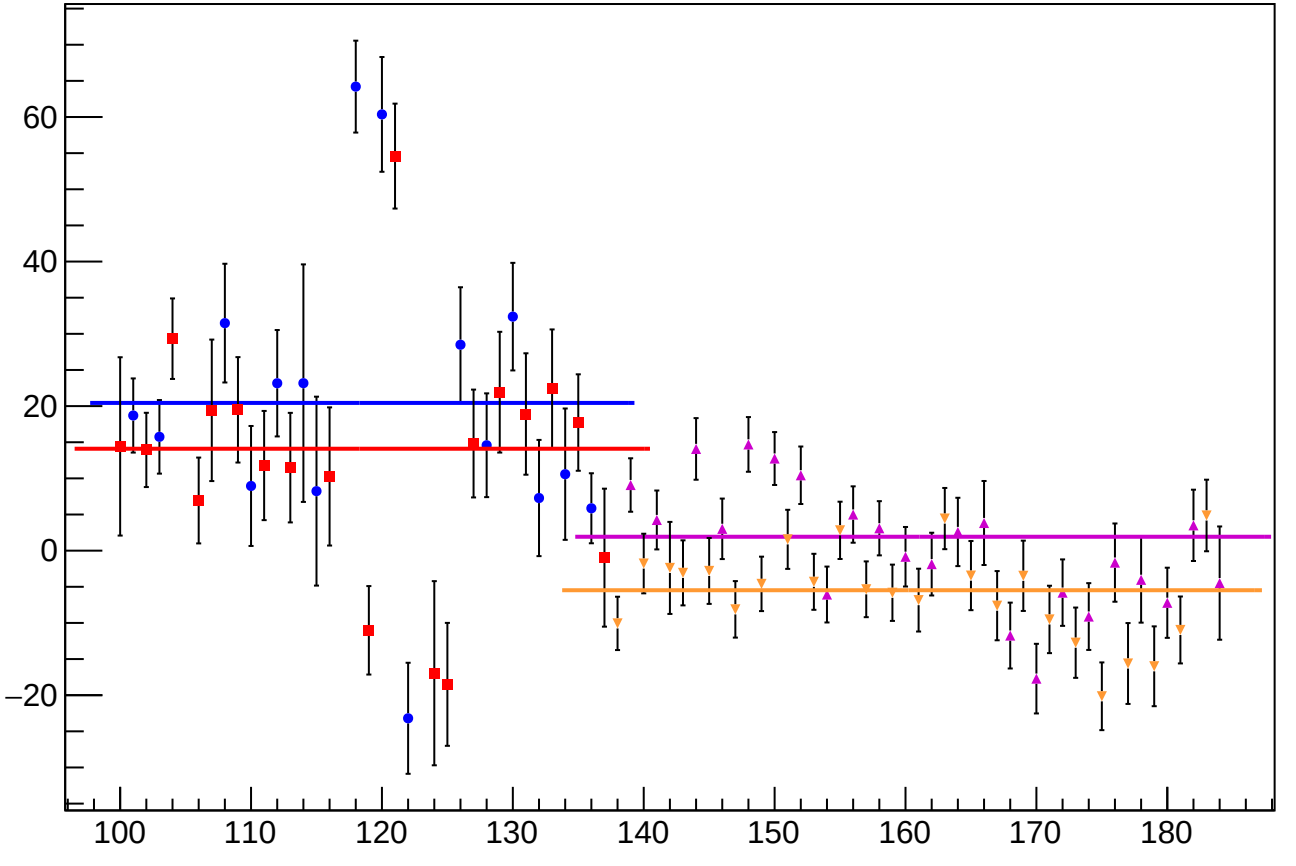
In: 21.820+/-16.843 χ^2/NDF:44.5/38

Out: 5.583+/-16.479 χ^2/NDF:41.1/42

All: 13.524+/-11.779 χ^2/NDF: 86.0/81


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
180
Right In: 77093.125+/-20.448 χ²/NDF: 248542.7/15
Left Out: 88270.277+/-14.384 χ²/NDF:471390.8/23
Right Out: 76308.708+/-19.874 χ²/NDF: 234433.2/18
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88149.206+/-10.264 χ²/NDF: 956347.4/46
Right: 76689.749+/-14.251 χ²/NDF: 483732.7/34
In: 84315.637+/-11.910 χ²/NDF:922168.2/38
Out: 84158.380+/-11.652 χ²/NDF:943554.2/42
All: 84235.291+/-8.329 χ²/NDF: 1865811.5/8

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: 1.924+/-0.916 χ^2/NDF:83.2/22

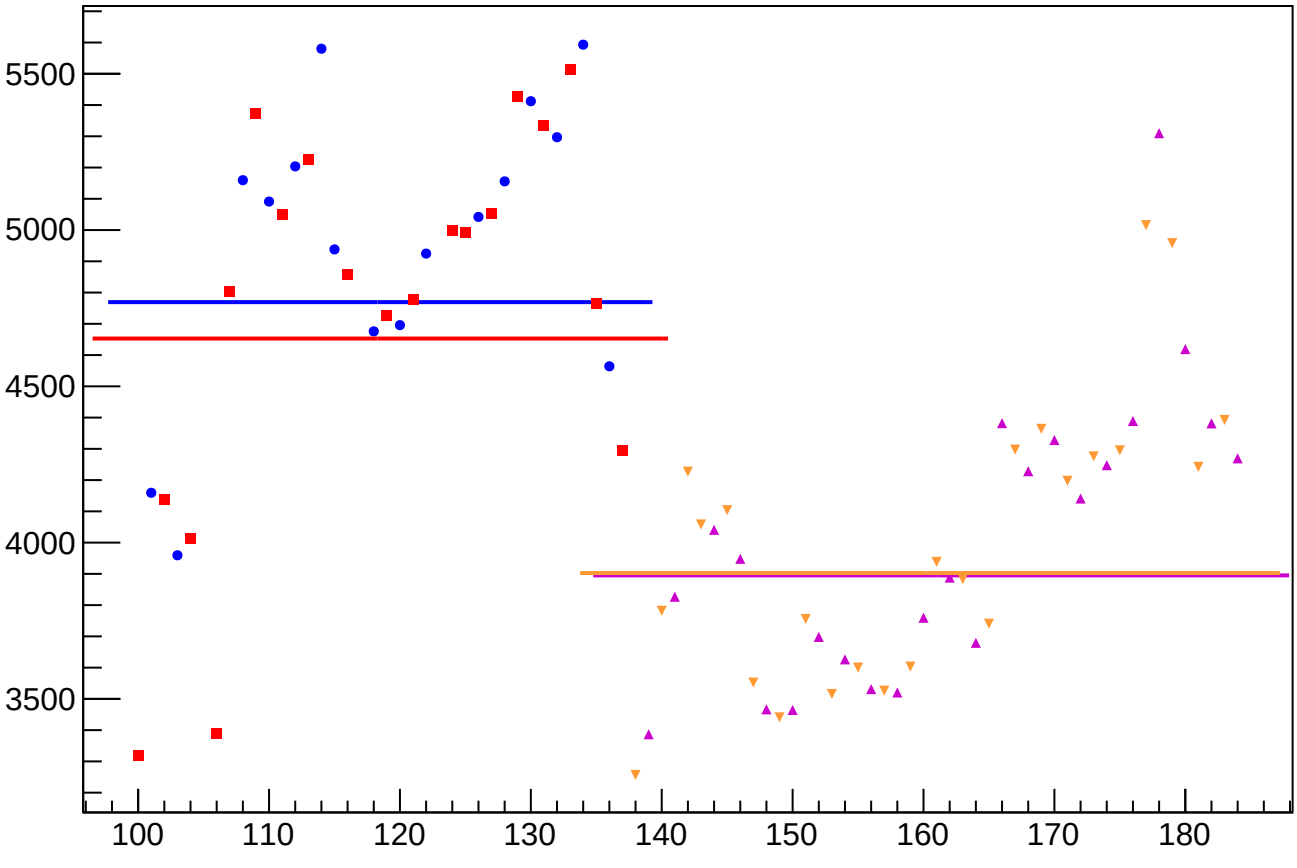
Left: -1.848+/-0.642 χ^2/NDF: 159.2/46

Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 5.796+/-0.815 χ^2/NDF:296.5/38

Out: -1.252+/-0.796 χ^2/NDF:228.9/42

All: 2.189+/-0.569 χ^2/NDF: 563.7/81



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: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3898.985+/-0.454 χ^2/NDF: 846111.4/46

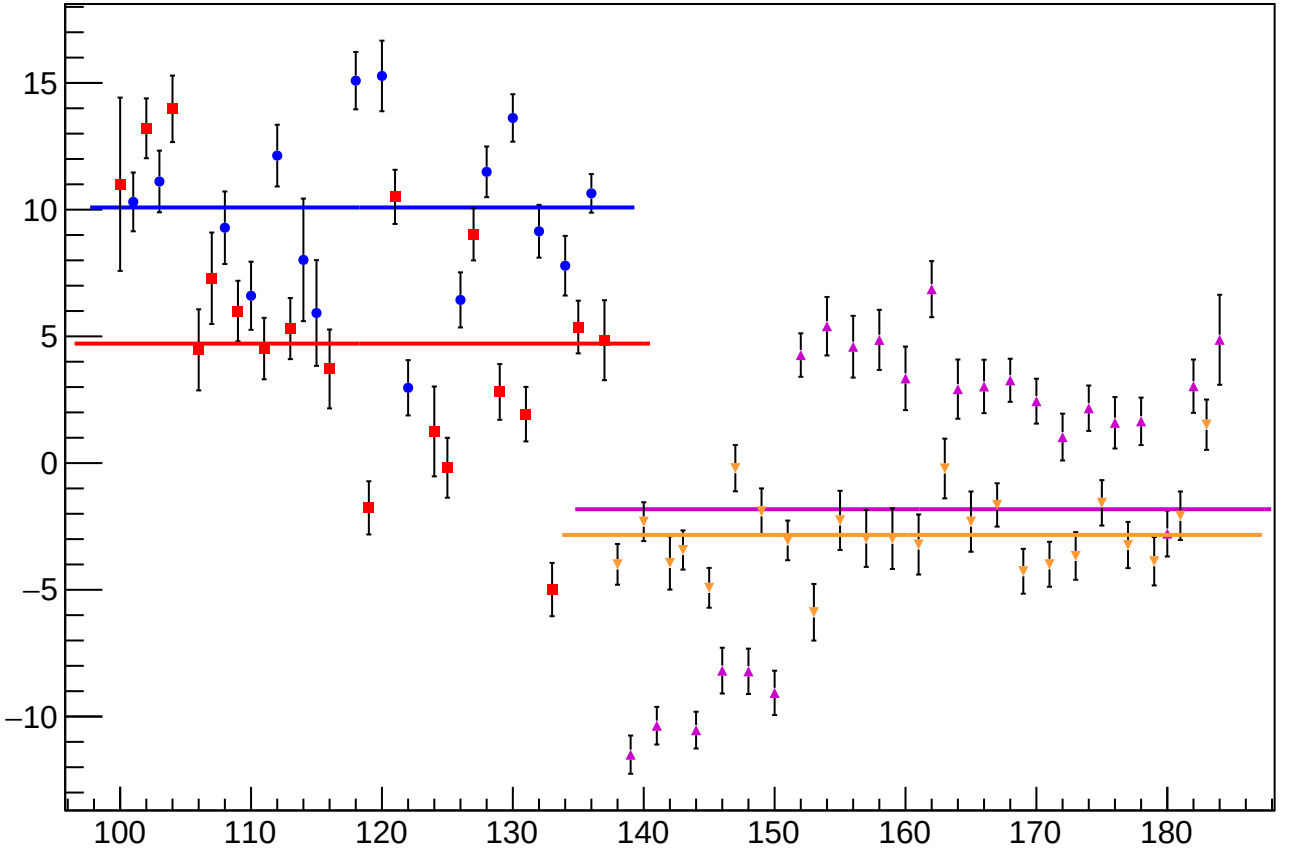
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4077.924+/-0.576 χ^2/NDF:942341.6/38

Out: 4064.581+/-0.563 χ^2/NDF:1001875.5/42

All: 4071.096+/-0.403 χ^2/NDF: 1944491.6/81

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: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.346+/-0.138 χ^2/NDF: 1103.6/46

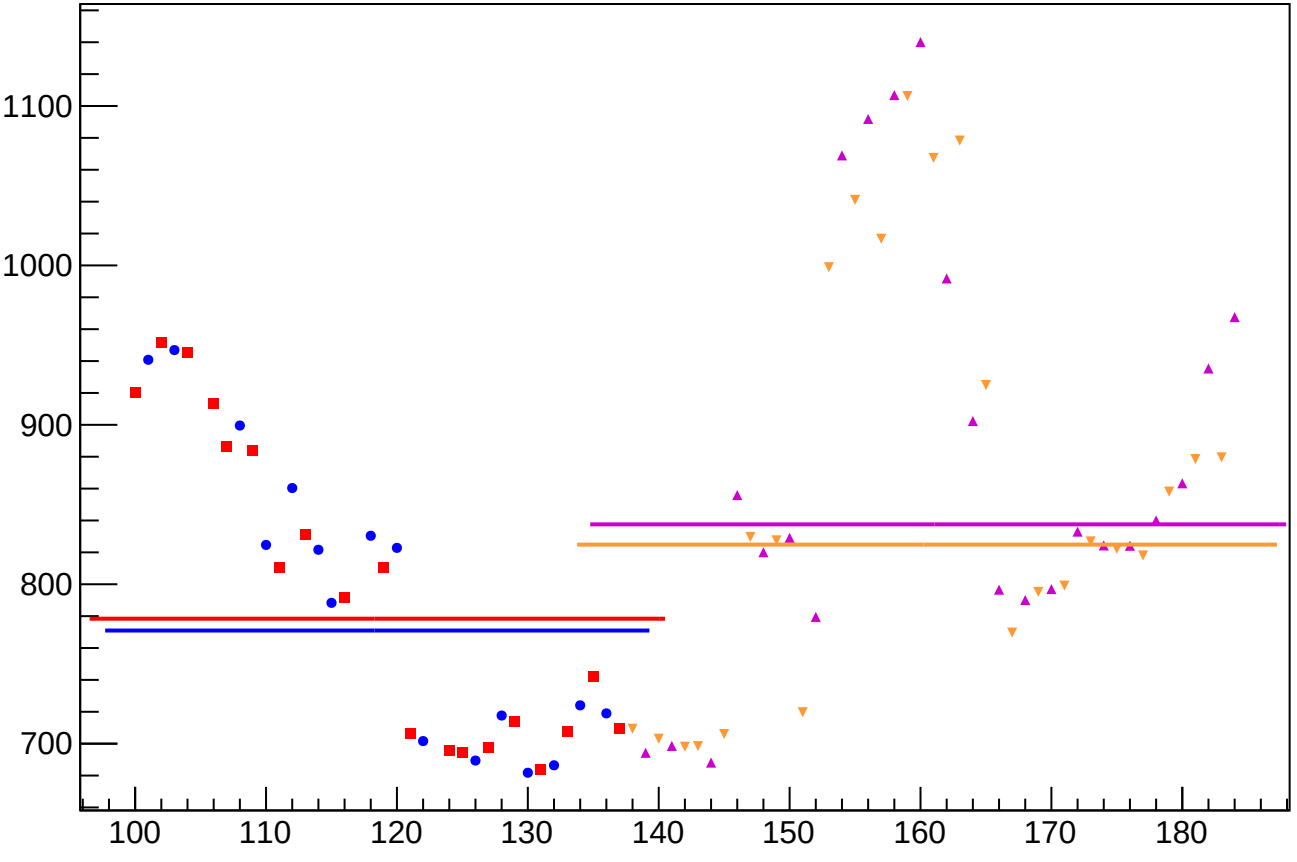
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 1.999+/-0.163 χ^2/NDF:2307.8/38

Out: -0.501+/-0.159 χ^2/NDF:856.5/42

All: 0.714+/-0.114 χ^2/NDF: 3284.7/81

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: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 830.992+/-0.097 χ^2/NDF: 1478445.9/46

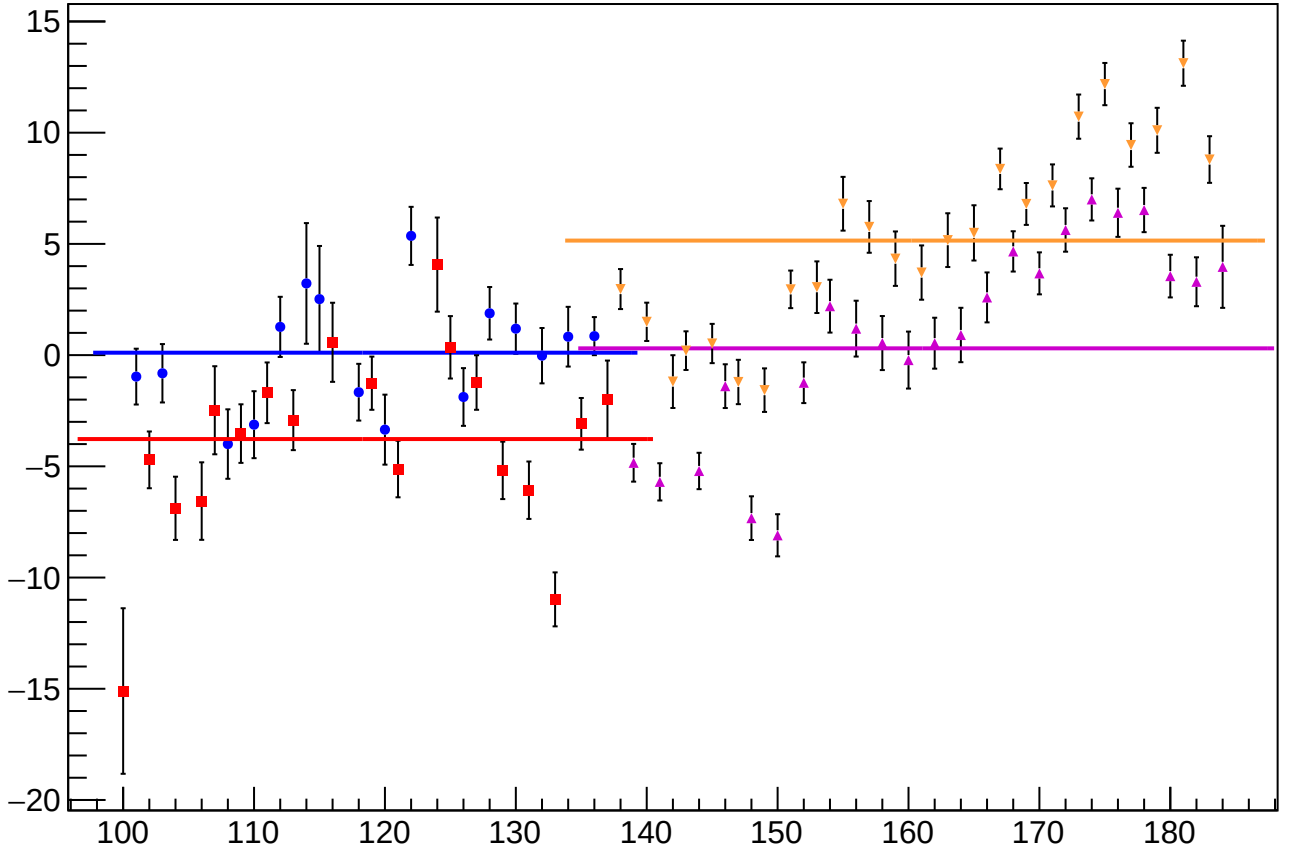
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 816.208+/-0.115 χ^2/NDF:979518.2/38

Out: 810.506+/-0.112 χ^2/NDF:993134.8/42

All: 813.278+/-0.081 χ^2/NDF: 1973905.6/81

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: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.809+/-0.148 χ^2/NDF: 1203.6/46

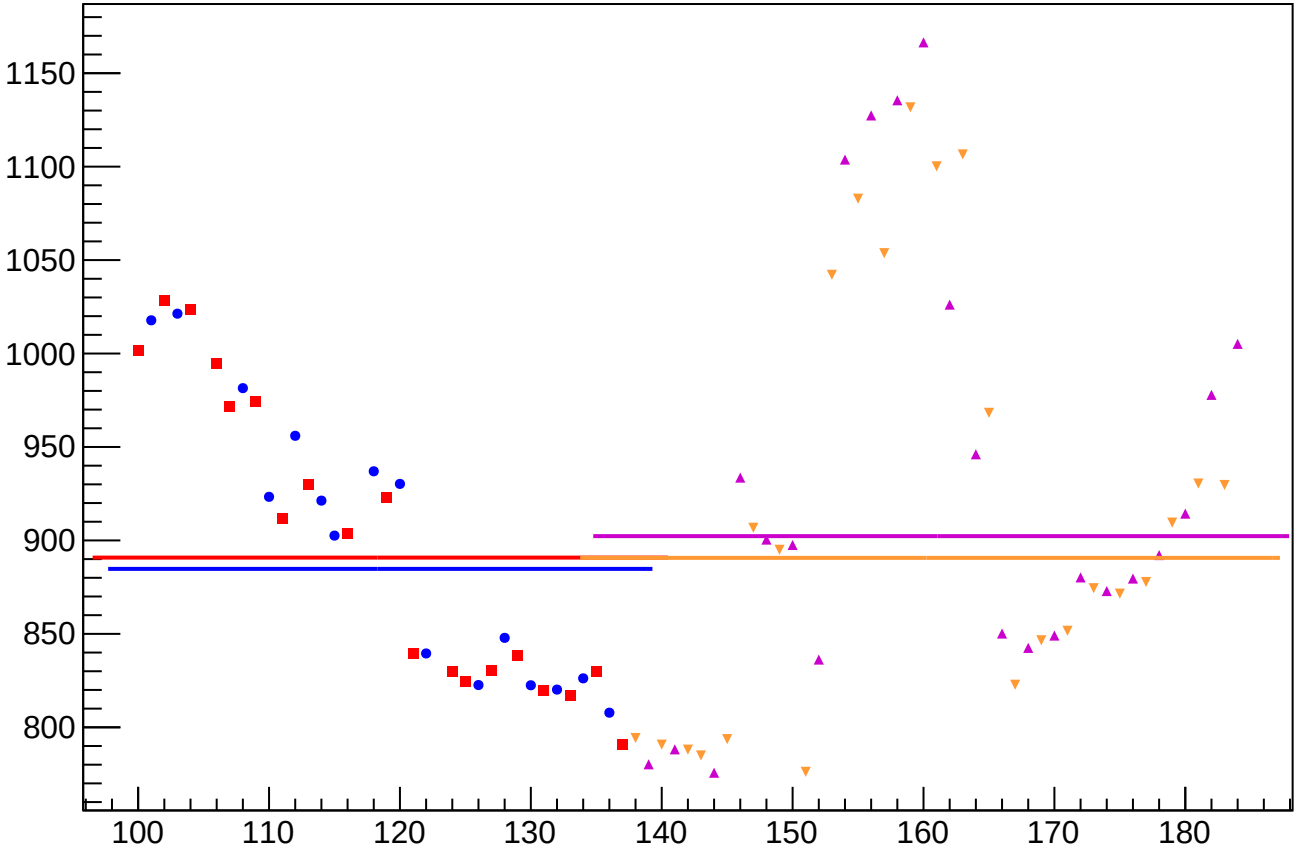
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: 0.247+/-0.179 χ^2/NDF:540.8/38

Out: 2.611+/-0.174 χ^2/NDF:1075.6/42

All: 1.462+/-0.125 χ^2/NDF: 1706.3/81

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: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.283+/-0.105 χ^2/NDF: 1003069.6/46

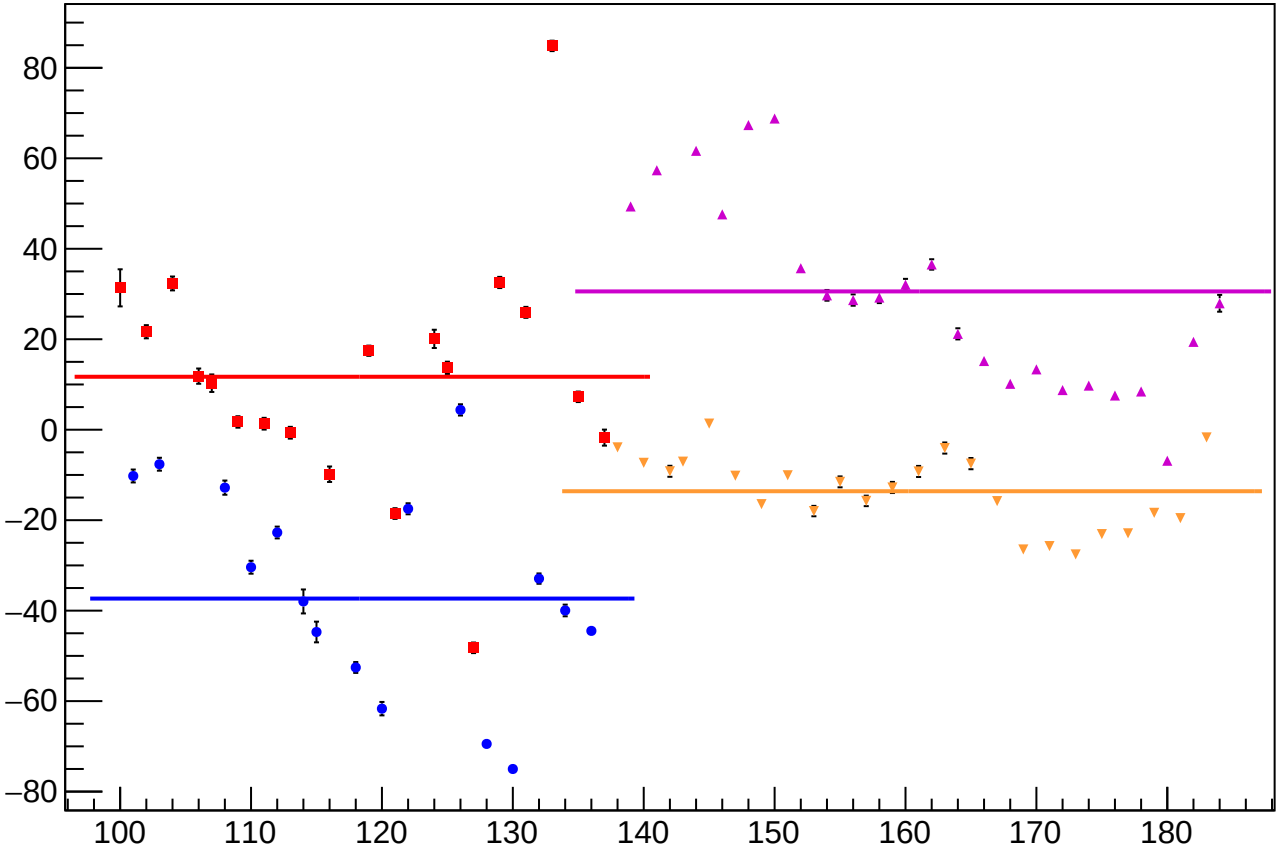
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 897.149+/-0.126 χ^2/NDF:593403.0/38

Out: 890.711+/-0.123 χ^2/NDF:622820.5/42

All: 893.841+/-0.088 χ^2/NDF: 1217556.7/81

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: 30.571+/-0.215 χ^2/NDF:10386.5/22

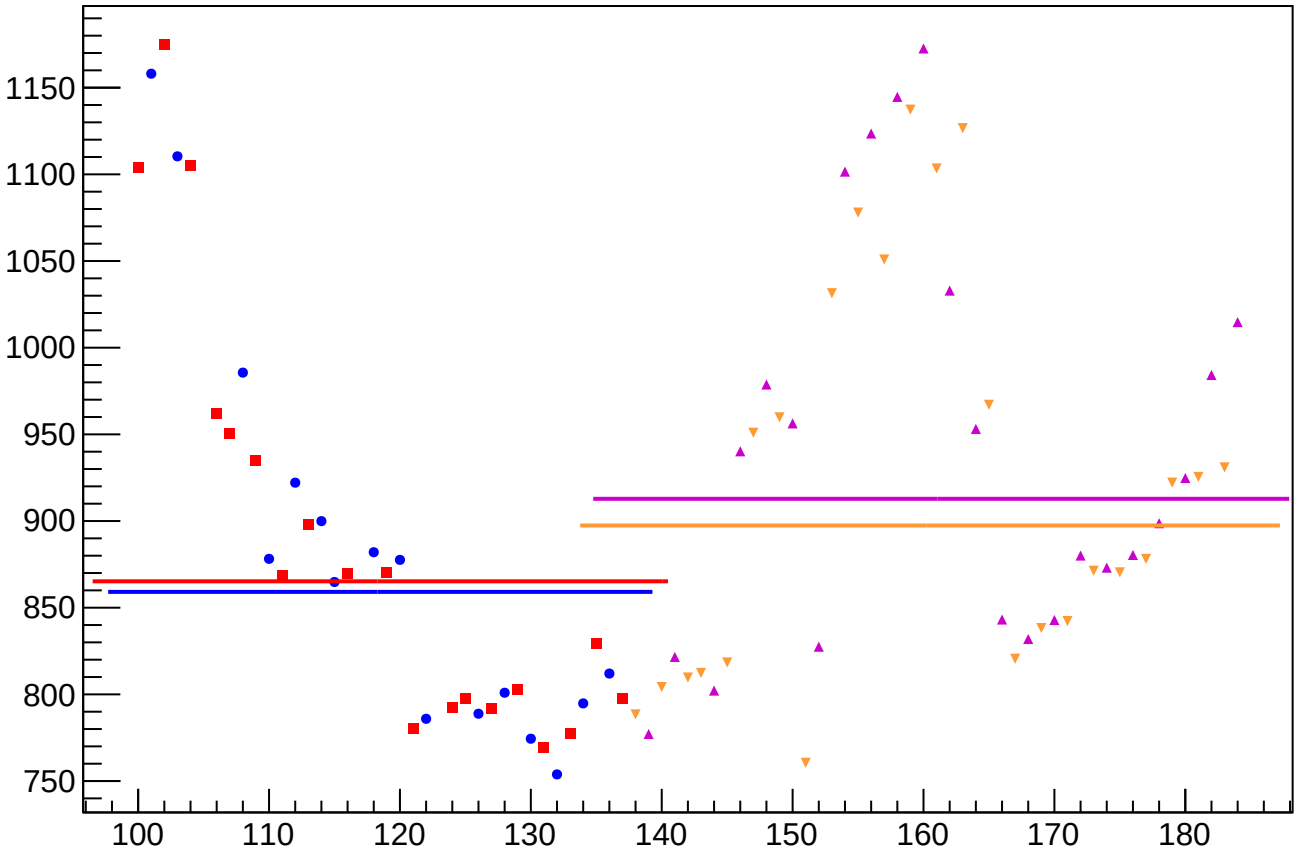
Left: 7.650+/-0.149 χ^2/NDF: 33853.7/46

Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.586+/-0.179 χ^2/NDF:46346.9/38

Out: -6.056+/-0.174 χ^2/NDF:14510.7/42

All: 1.531+/-0.125 χ^2/NDF: 64796.6/81



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: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 904.834+/-0.106 χ^2/NDF: 1001202.7/46

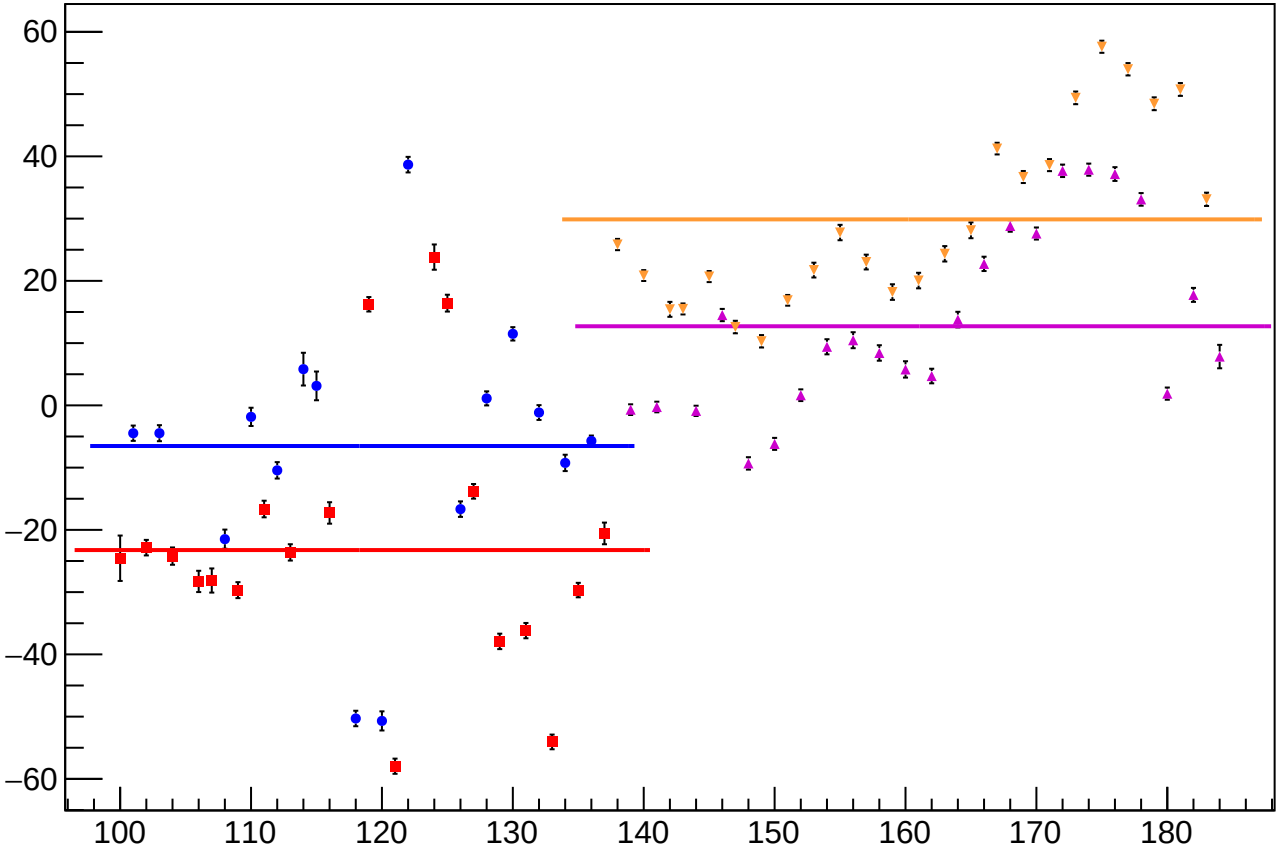
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 896.223+/-0.126 χ^2/NDF:747214.7/38

Out: 887.828+/-0.123 χ^2/NDF:753964.9/42

All: 891.900+/-0.088 χ^2/NDF: 1503448.7/81

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: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.587+/-0.151 χ^2/NDF: 12601.0/46

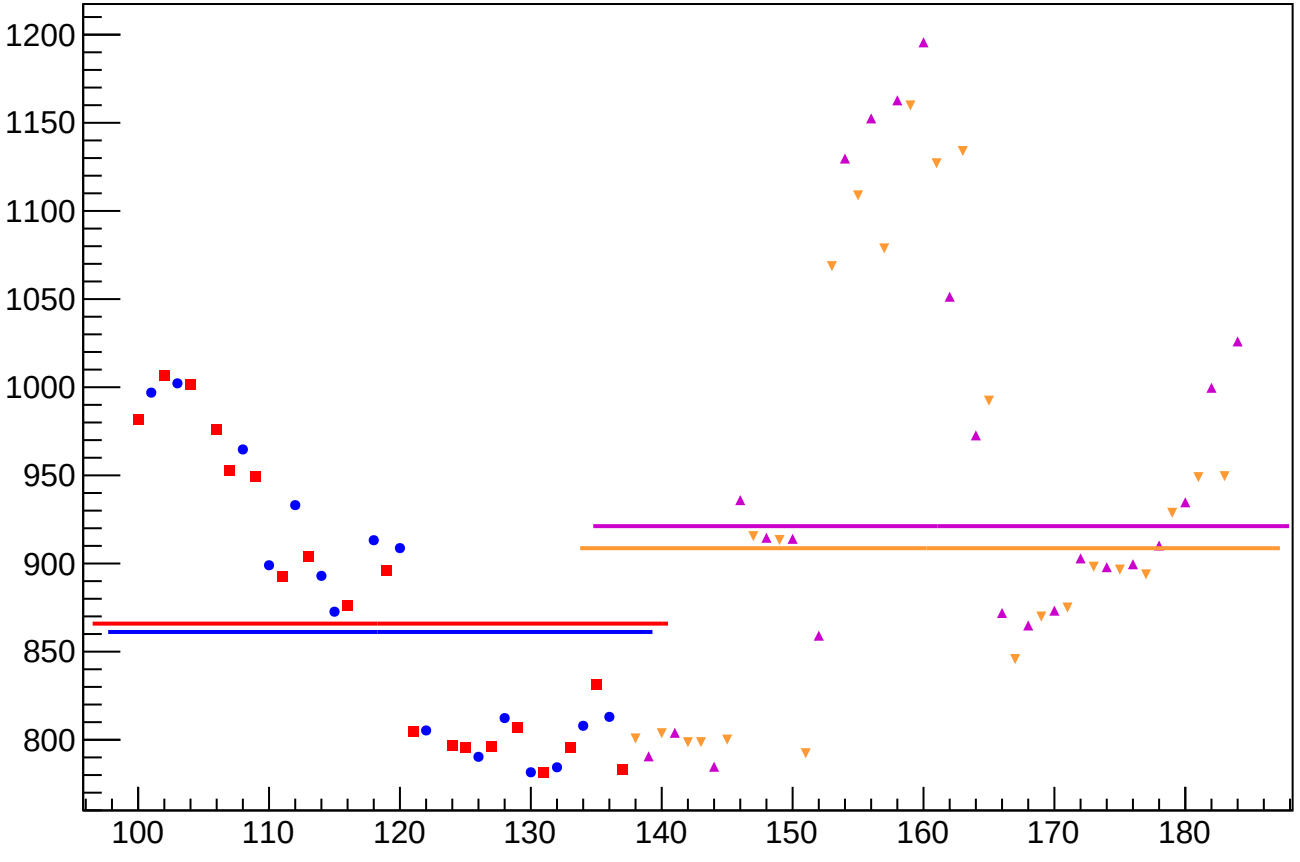
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: 6.674+/-0.180 χ^2/NDF:11199.2/38

Out: 13.699+/-0.175 χ^2/NDF:28572.0/42

All: 10.284+/-0.125 χ^2/NDF: 40555.0/81

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: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 914.728+/-0.107 χ^2/NDF: 1039583.1/46

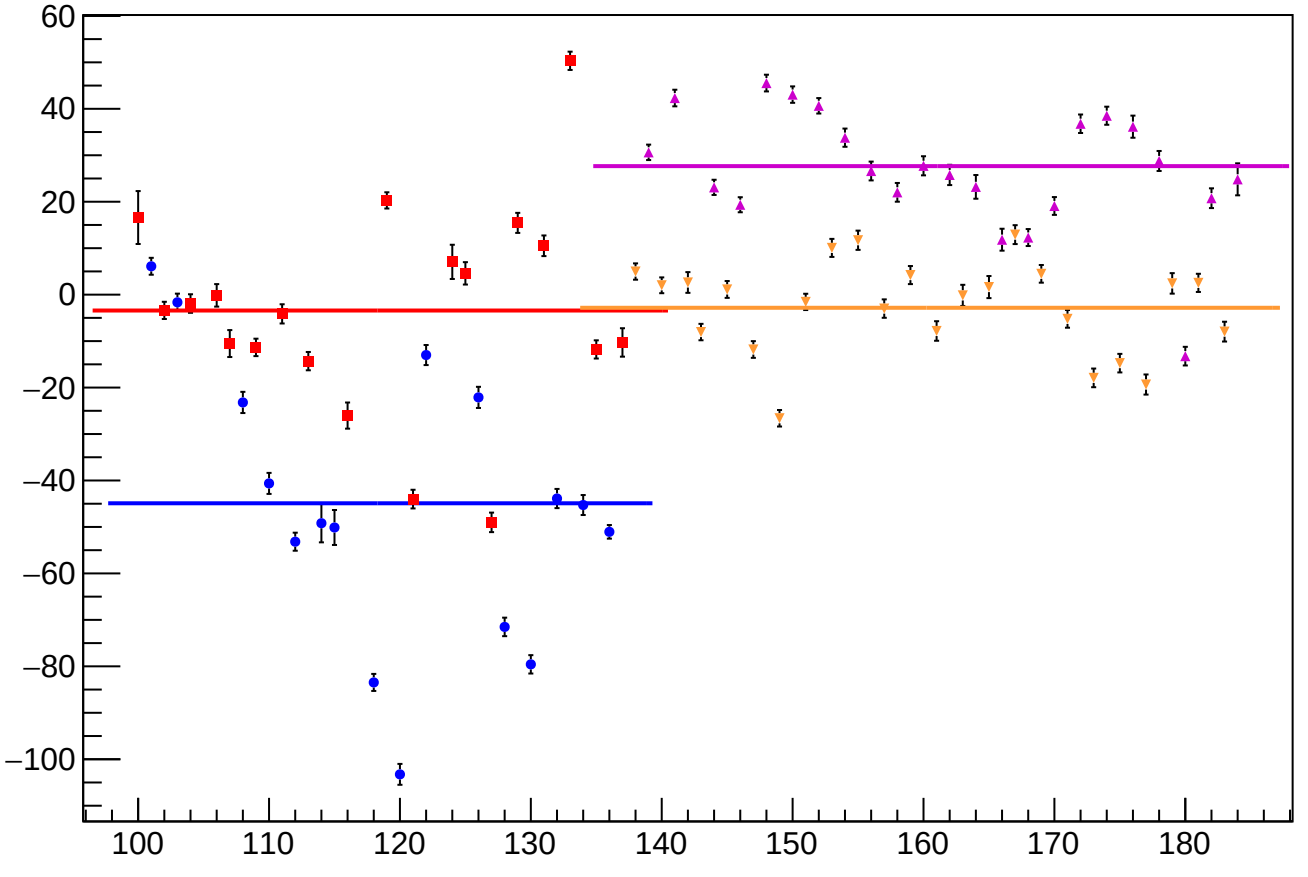
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 902.370+/-0.127 χ^2/NDF:658814.0/38

Out: 895.660+/-0.124 χ^2/NDF:682562.0/42

All: 898.922+/-0.089 χ^2/NDF: 1342805.9/81

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: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.083+/-0.286 χ^2/NDF: 4447.6/46

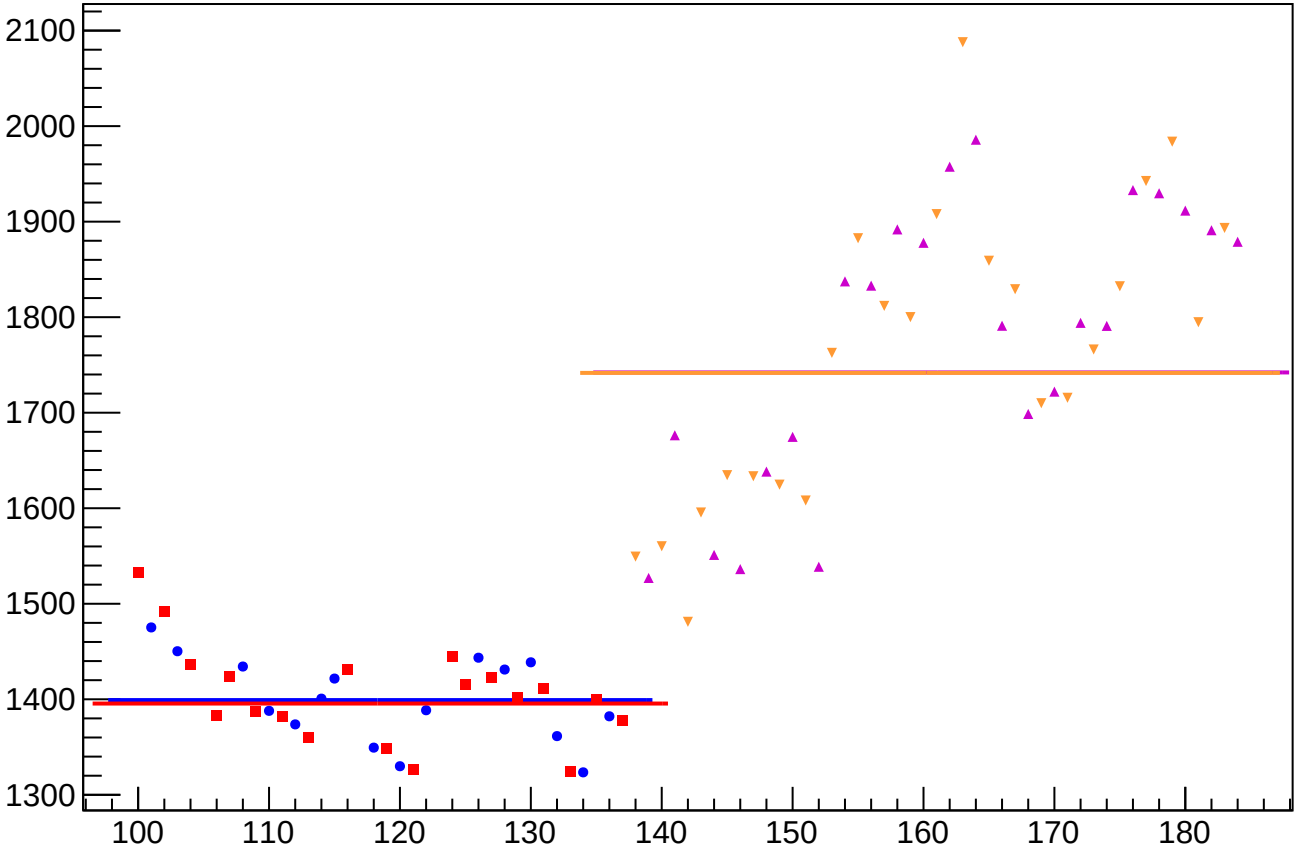
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -0.056+/-0.321 χ^2/NDF:16408.3/38

Out: -3.051+/-0.314 χ^2/NDF:2717.3/42

All: -1.586+/-0.225 χ^2/NDF: 19170.0/81

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: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1741.909+/-0.202 χ^2/NDF: 523322.8/46

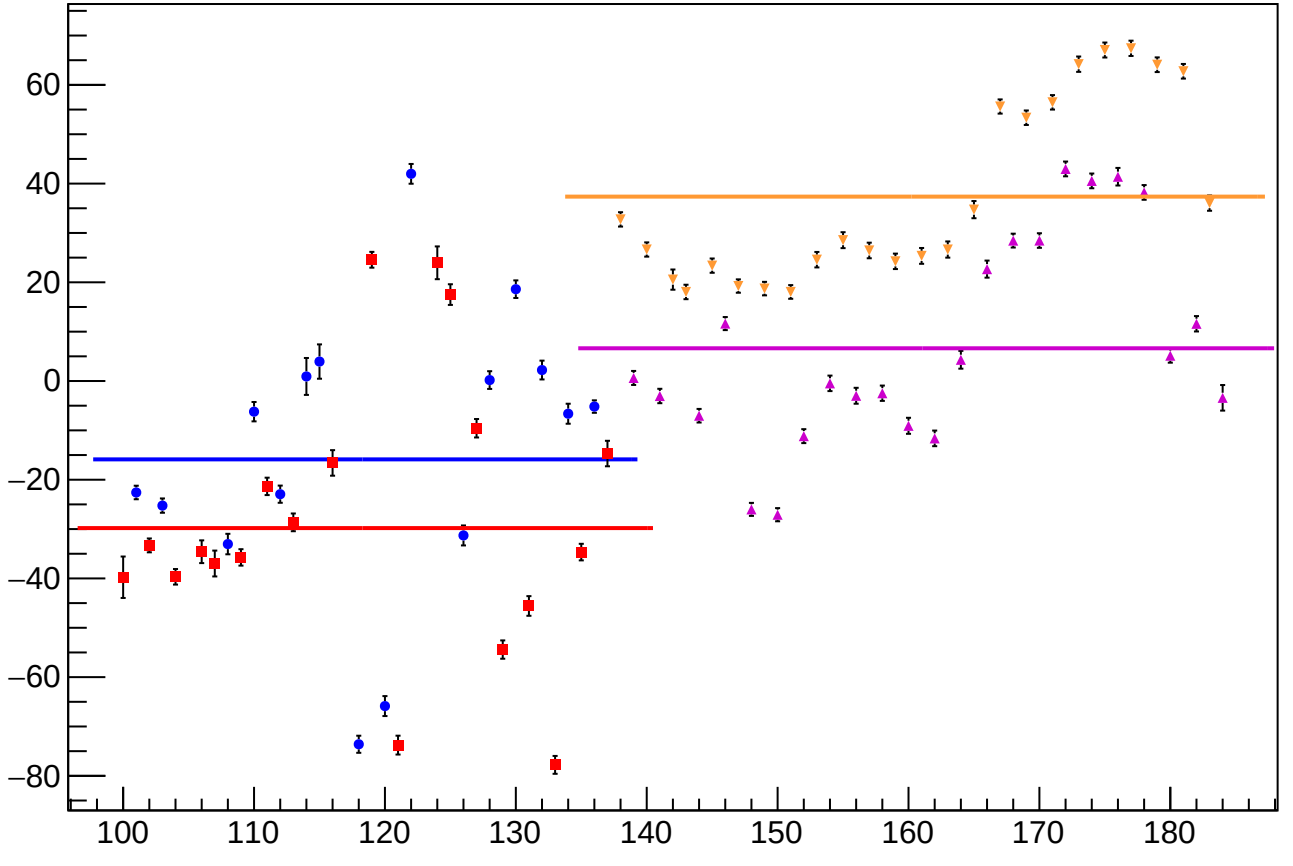
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1611.143+/-0.227 χ^2/NDF:814399.6/38

Out: 1609.642+/-0.222 χ^2/NDF:849665.1/42

All: 1610.376+/-0.159 χ^2/NDF: 1664087.1/81

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: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.304+/-0.221 χ^2/NDF: 12626.9/46

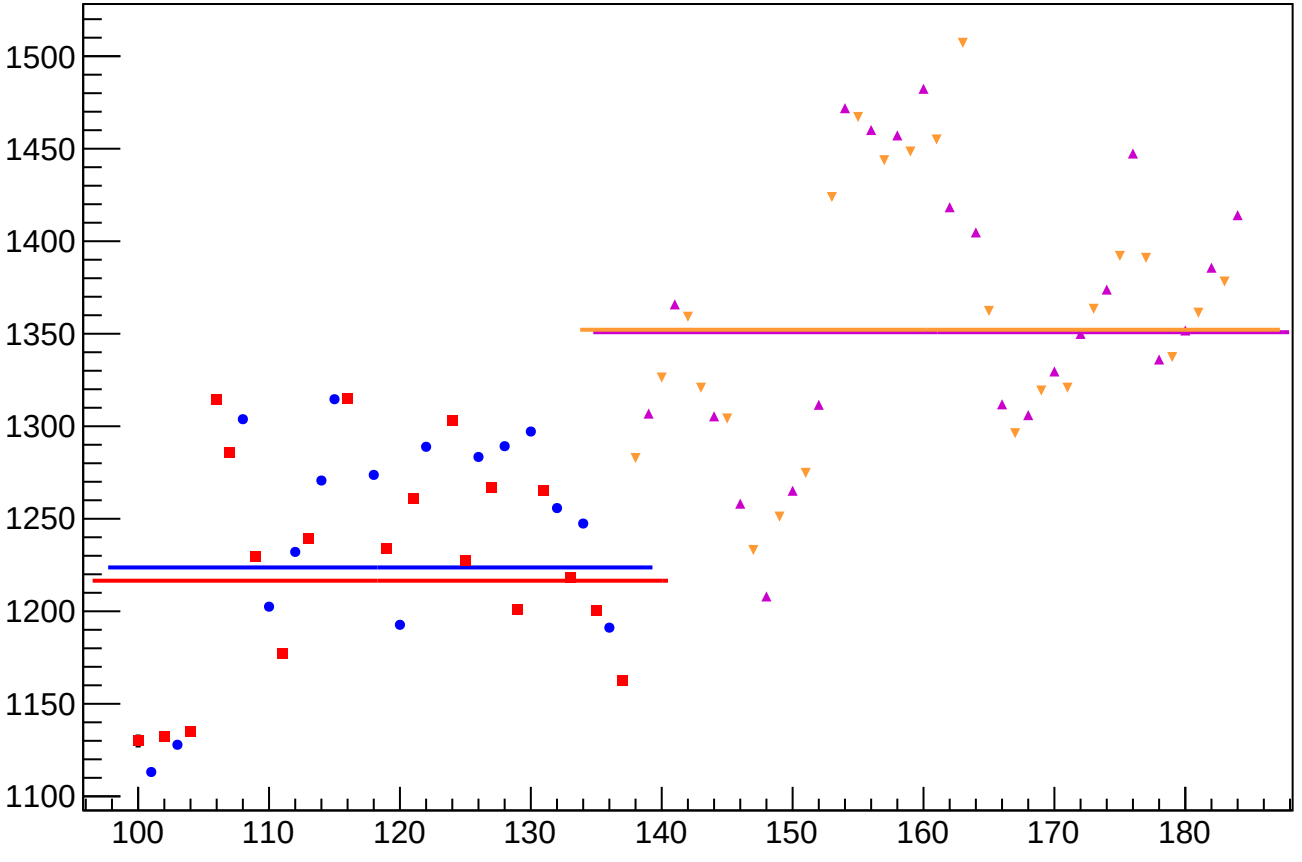
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -0.690+/-0.260 χ^2/NDF:9537.7/38

Out: 15.394+/-0.254 χ^2/NDF:22449.2/42

All: 7.524+/-0.182 χ^2/NDF: 33946.7/81

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: 1350.830+/-0.223 χ^2/NDF:108618.5/22

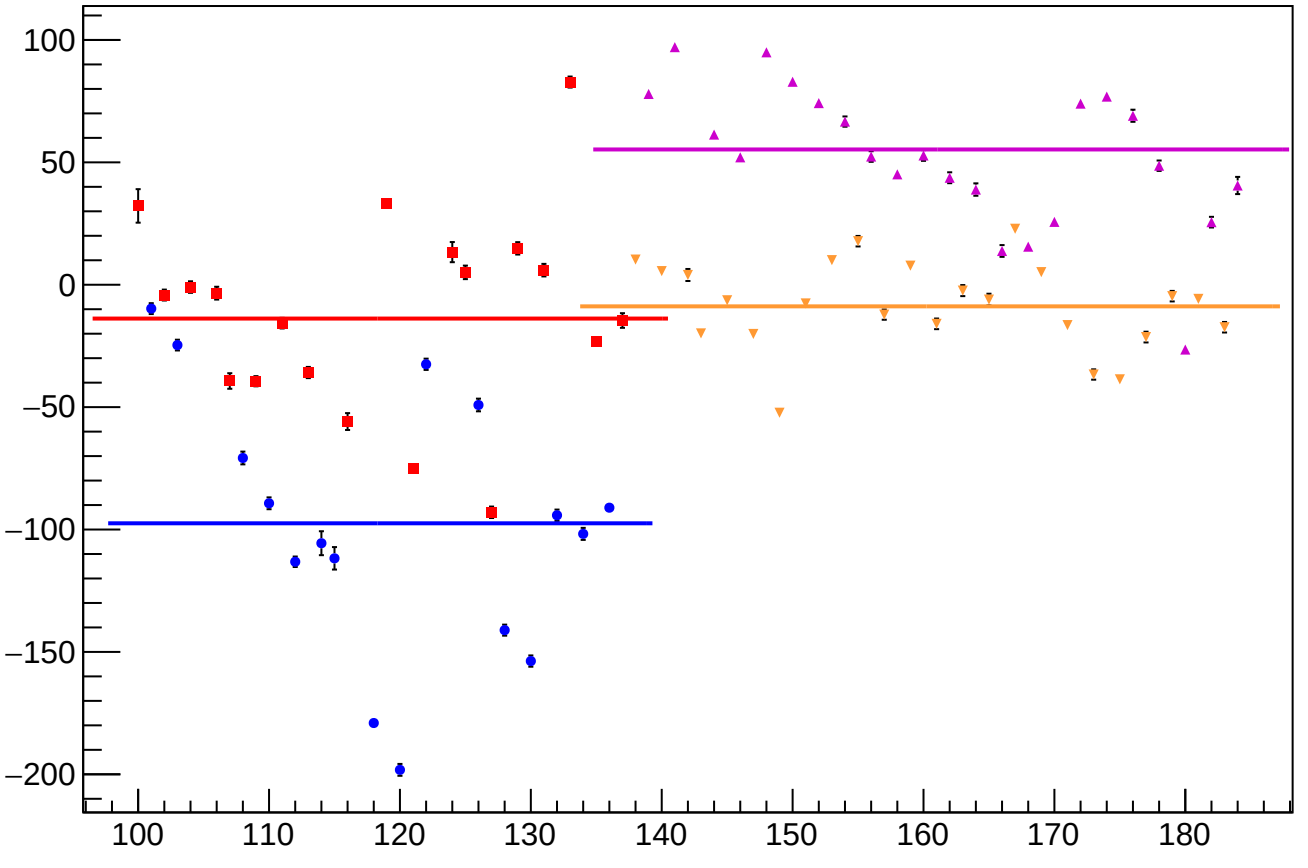
Left: 1351.511+/-0.156 χ^2/NDF: 212764.6/46

Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1309.480+/-0.184 χ^2/NDF:254737.7/38

Out: 1307.802+/-0.180 χ^2/NDF:258894.8/42

All: 1308.623+/-0.128 χ^2/NDF: 513675.2/81



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: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.386+/-0.293 χ^2/NDF: 18608.4/46

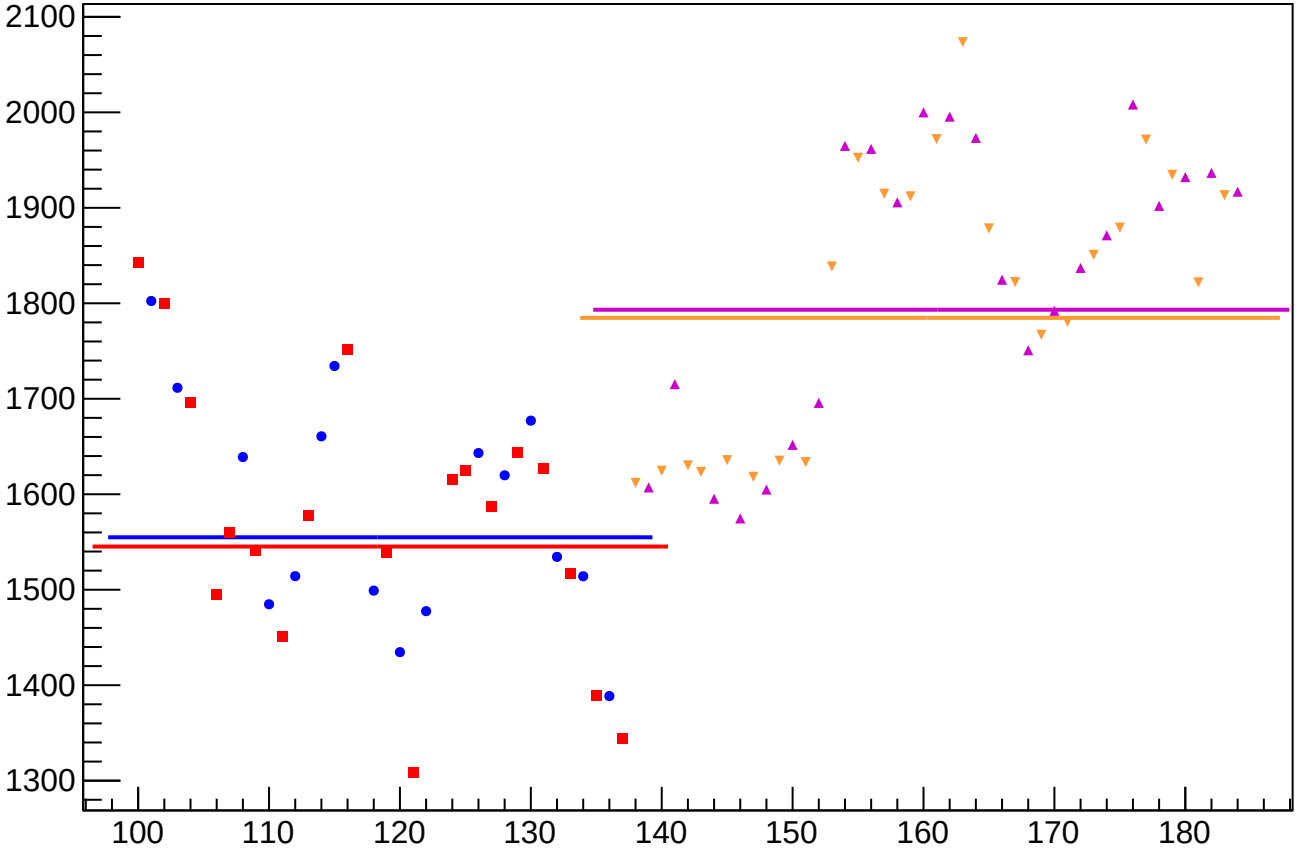
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: 2.584+/-0.340 χ^2/NDF:58543.4/38

Out: -10.544+/-0.332 χ^2/NDF:7355.9/42

All: -4.146+/-0.238 χ^2/NDF: 66662.2/81

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: 1793.249+/-0.297 χ^2/NDF:252788.2/22

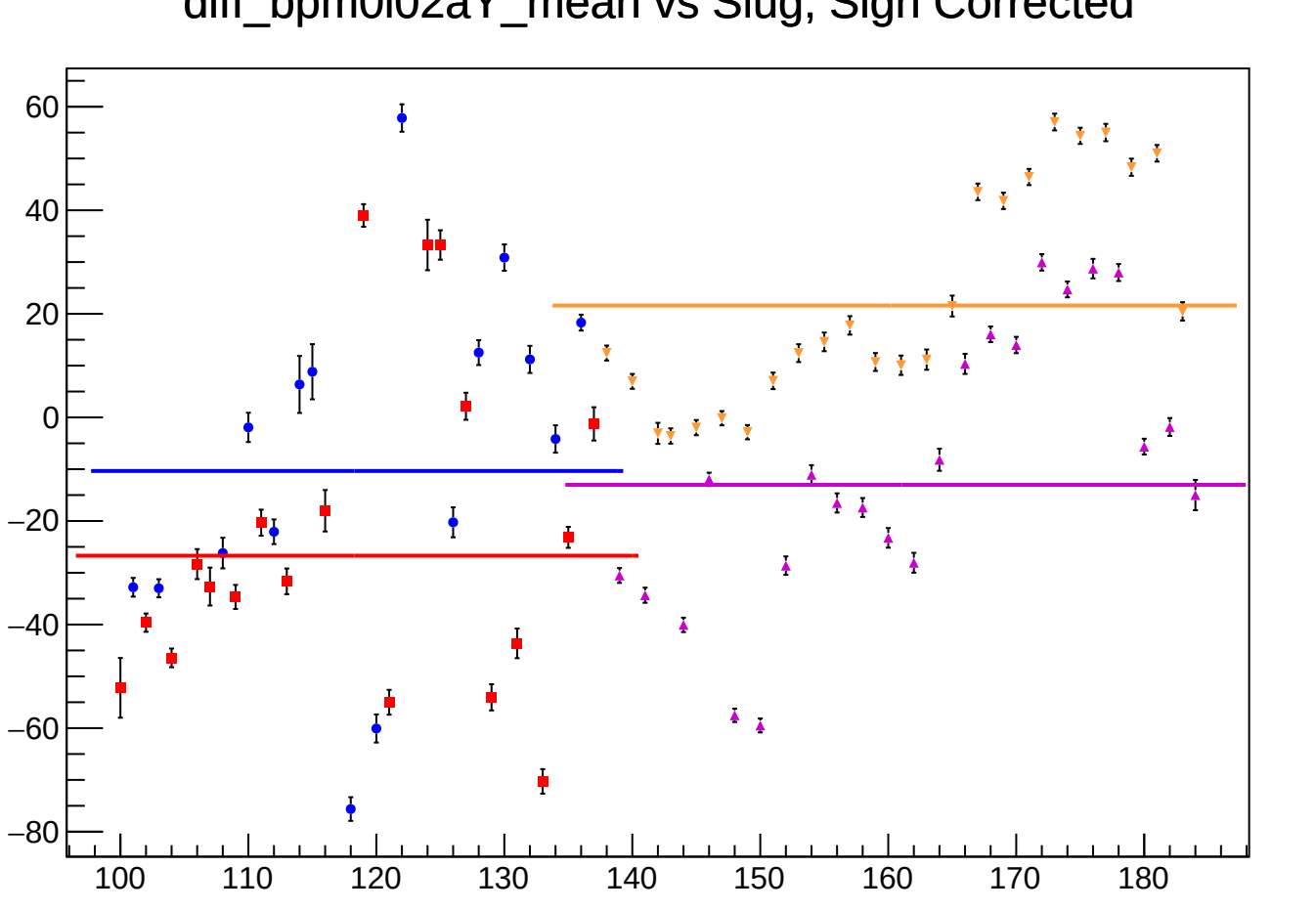
Left: 1788.884+/-0.207 χ^2/NDF: 489280.2/46

Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

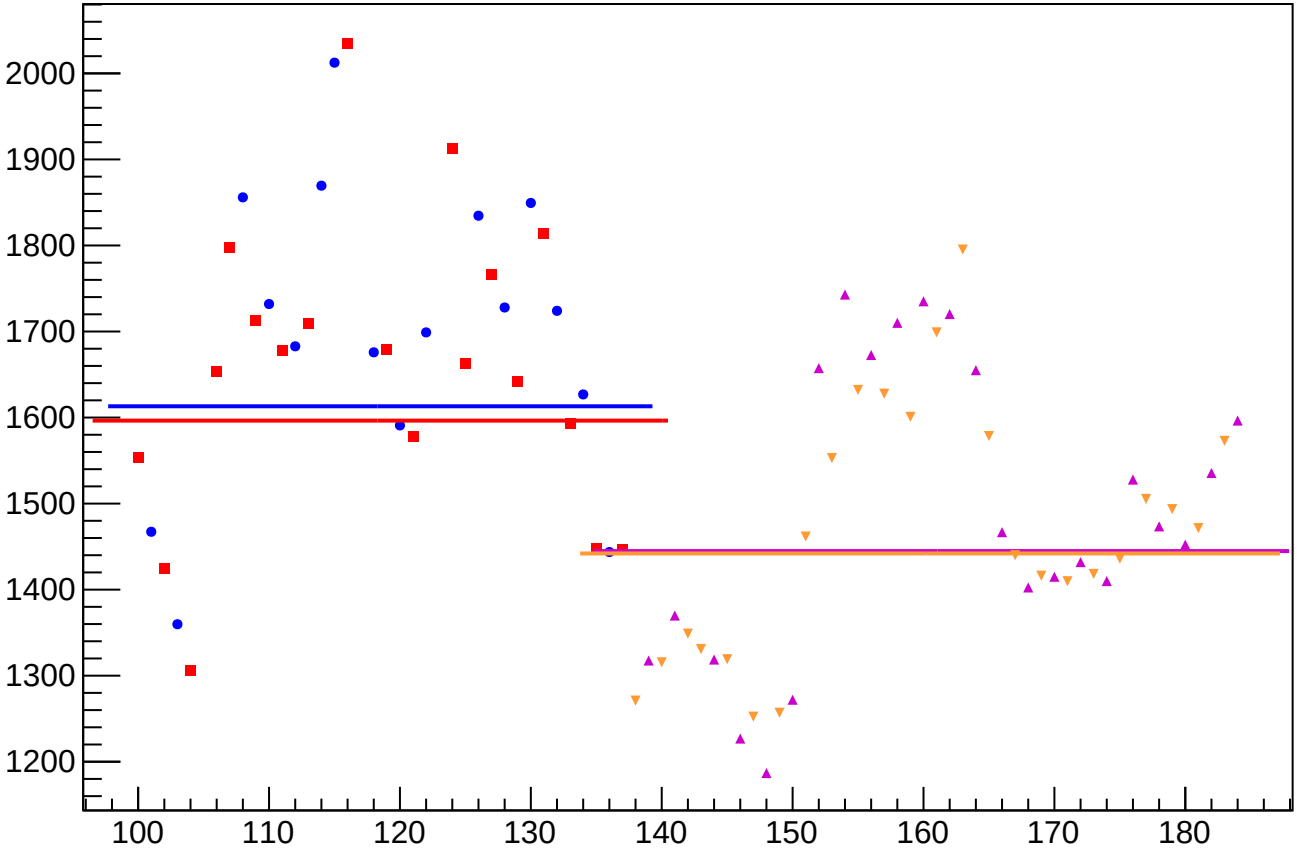
In: 1711.032+/-0.241 χ^2/NDF:562377.3/38

Out: 1702.335+/-0.235 χ^2/NDF:580028.9/42

All: 1706.573+/-0.168 χ^2/NDF: 1143075.8/81


diff_bpm0i02aY_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
Right In: -10.345+/-0.603 χ²/NDF: 3007.0/15
Left Out: 21.601+/-0.332 χ²/NDF:4159.8/23
Right Out: -26.709+/-0.586 χ²/NDF: 2540.7/18
Left In: -13.014+/-0.340 χ²/NDF:6627.2/22
Left: 4.721+/-0.237 χ²/NDF: 16096.5/46
Right: -18.758+/-0.420 χ²/NDF: 5926.2/34
In: -12.370+/-0.296 χ²/NDF:9649.1/38
Out: 9.887+/-0.289 χ²/NDF:11842.8/42
All: -0.957+/-0.207 χ²/NDF: 24387.1/81

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: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1443.393+/-0.168 χ^2/NDF: 832388.4/46

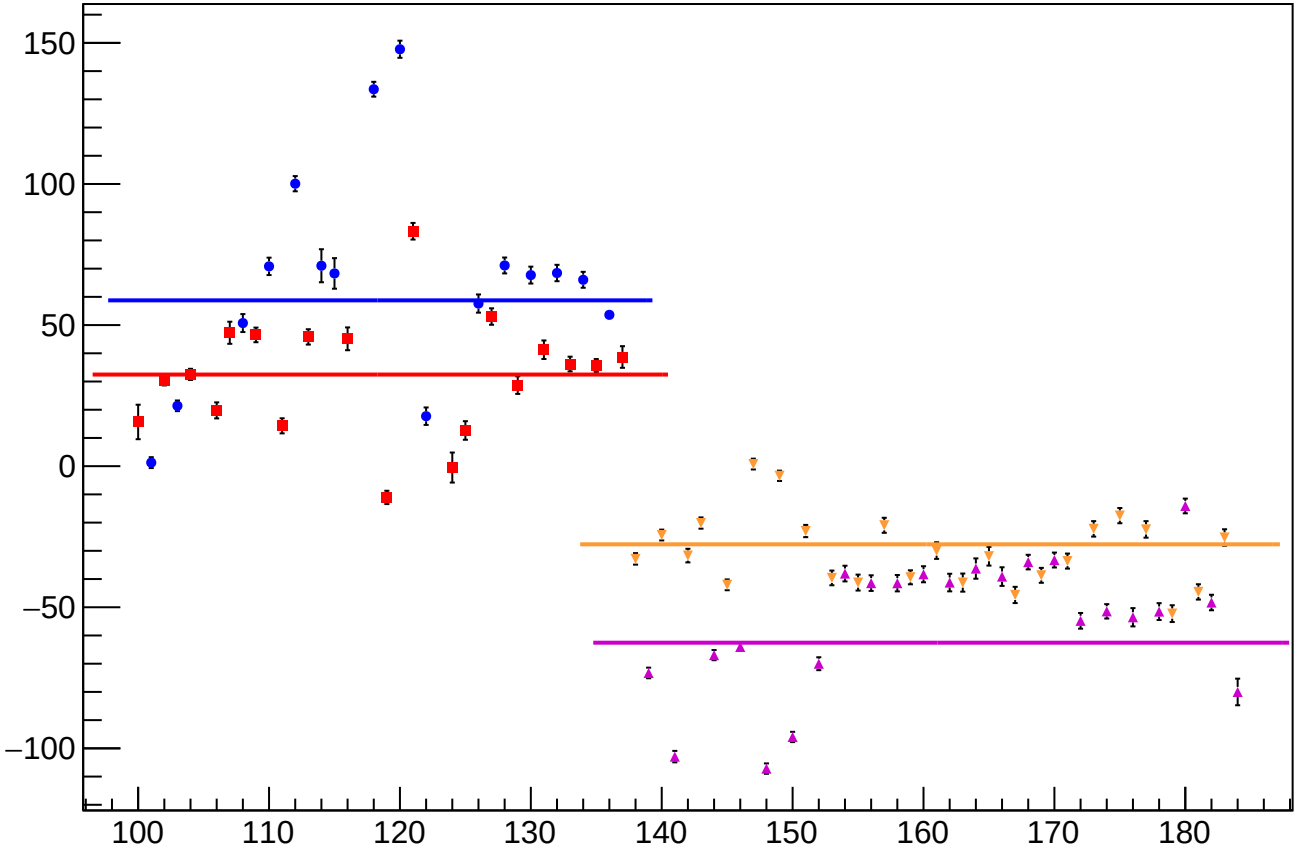
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1485.403+/-0.209 χ^2/NDF:758078.1/38

Out: 1479.477+/-0.204 χ^2/NDF:612860.2/42

All: 1482.364+/-0.146 χ^2/NDF: 1371348.8/81

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: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.669+/-0.357 χ^2/NDF: 5605.7/46

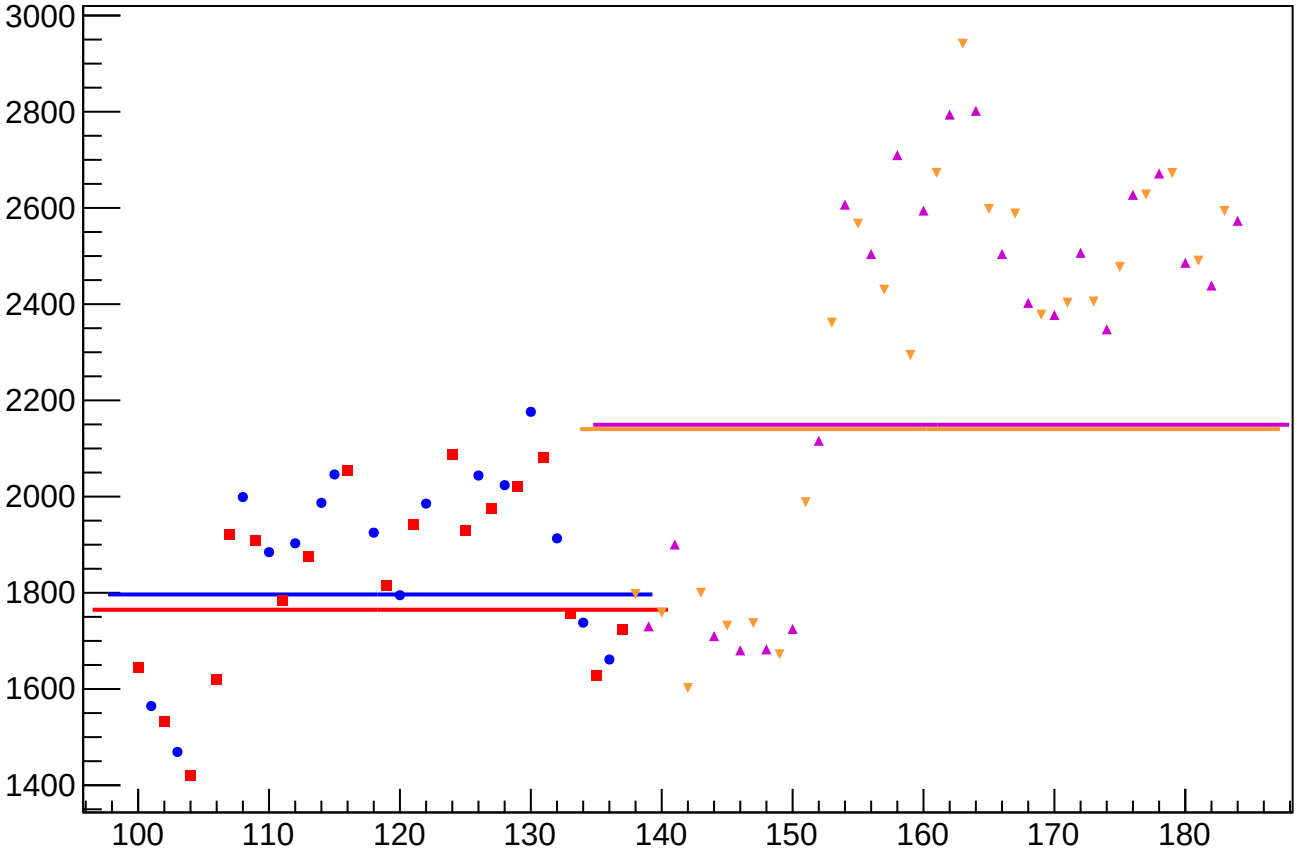
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -18.064+/-0.407 χ^2/NDF:26513.0/38

Out: -5.346+/-0.395 χ^2/NDF:7107.1/42

All: -11.515+/-0.284 χ^2/NDF: 34122.3/81

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: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2144.692+/-0.252 χ^2/NDF: 2533189.8/46

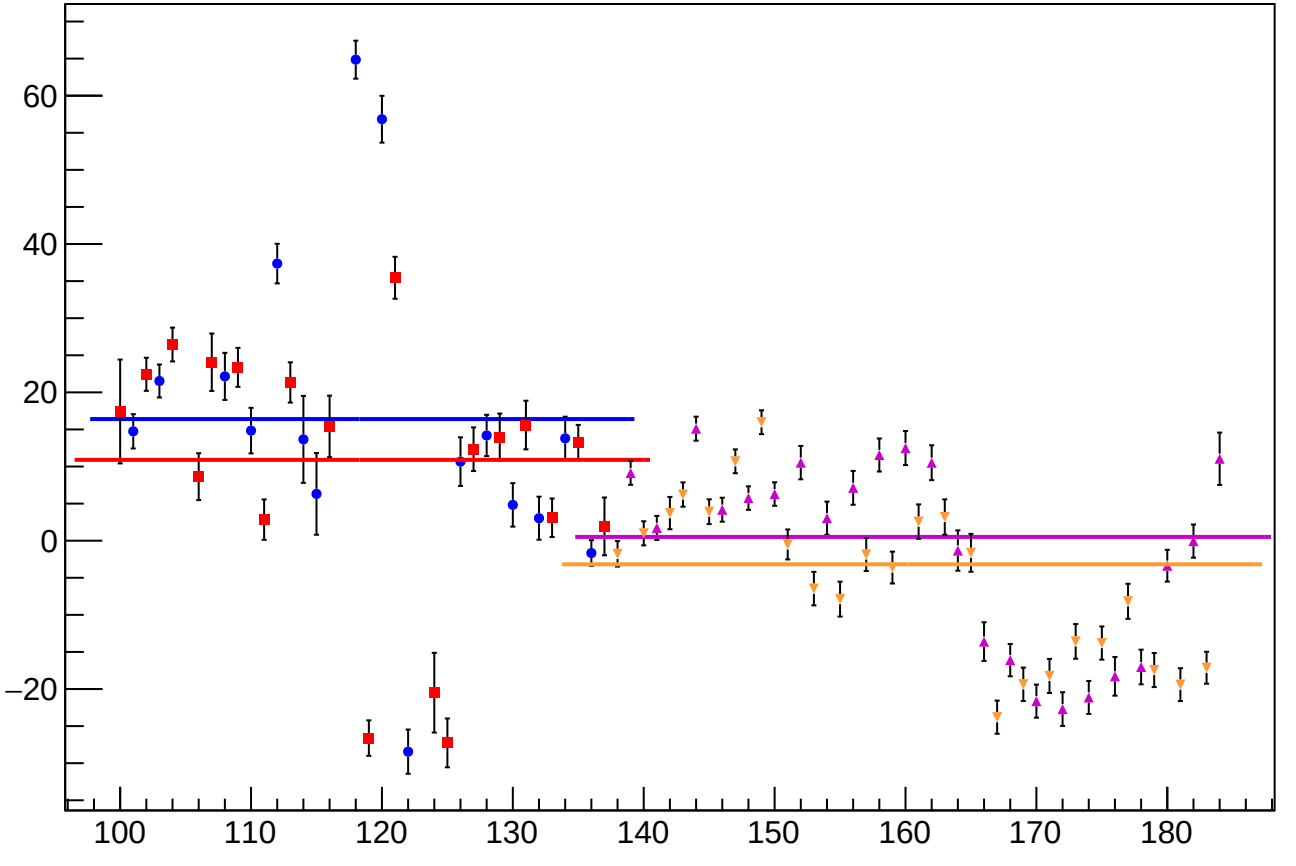
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 2019.966+/-0.288 χ^2/NDF:1807504.8/38

Out: 2000.816+/-0.279 χ^2/NDF:1878464.6/42

All: 2010.104+/-0.201 χ^2/NDF: 3688246.8/81

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: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.391+/-0.299 χ^2/NDF: 1451.3/46

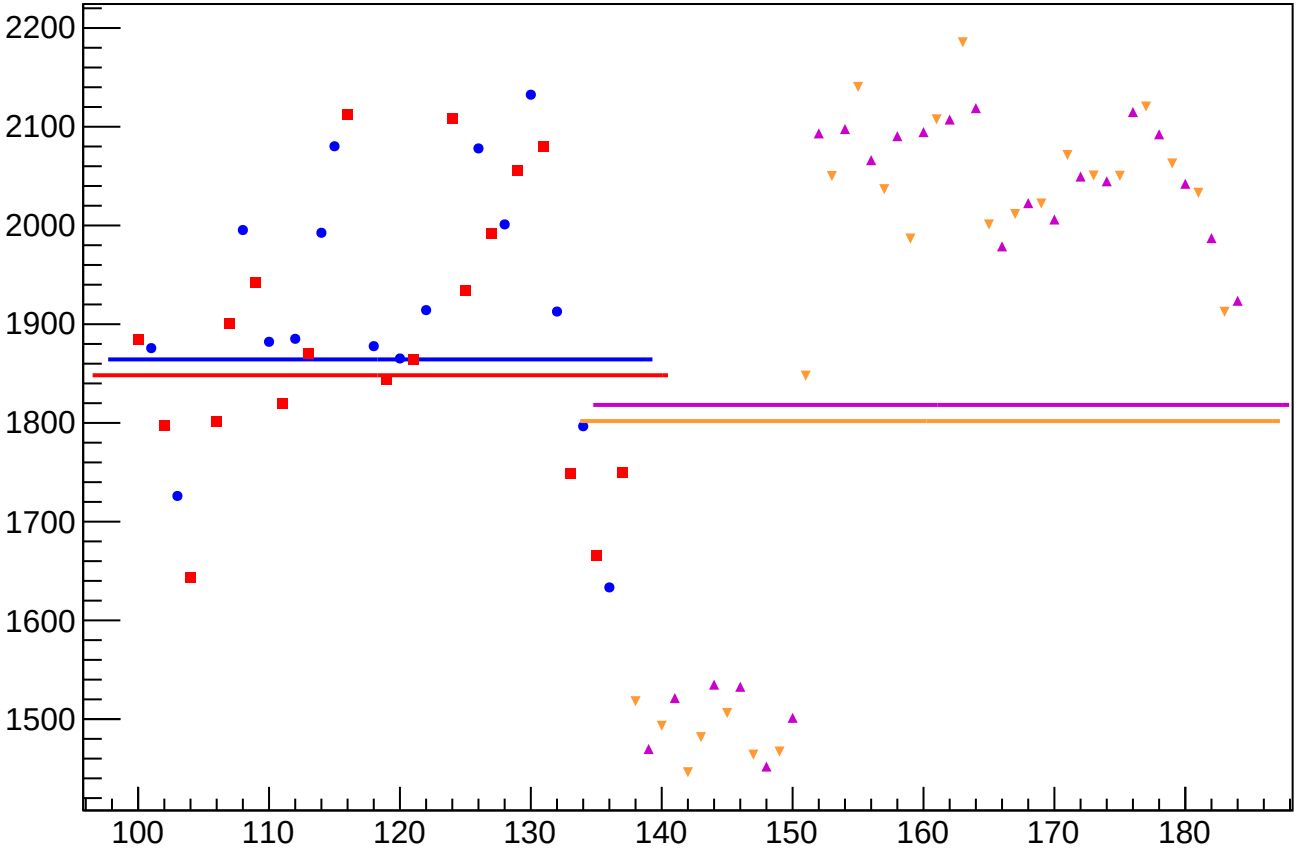
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 4.906+/-0.366 χ^2/NDF:2096.9/38

Out: 0.699+/-0.355 χ^2/NDF:1623.2/42

All: 2.742+/-0.255 χ^2/NDF: 3788.3/81

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: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1809.817+/-0.212 χ^2/NDF: 1738551.8/46

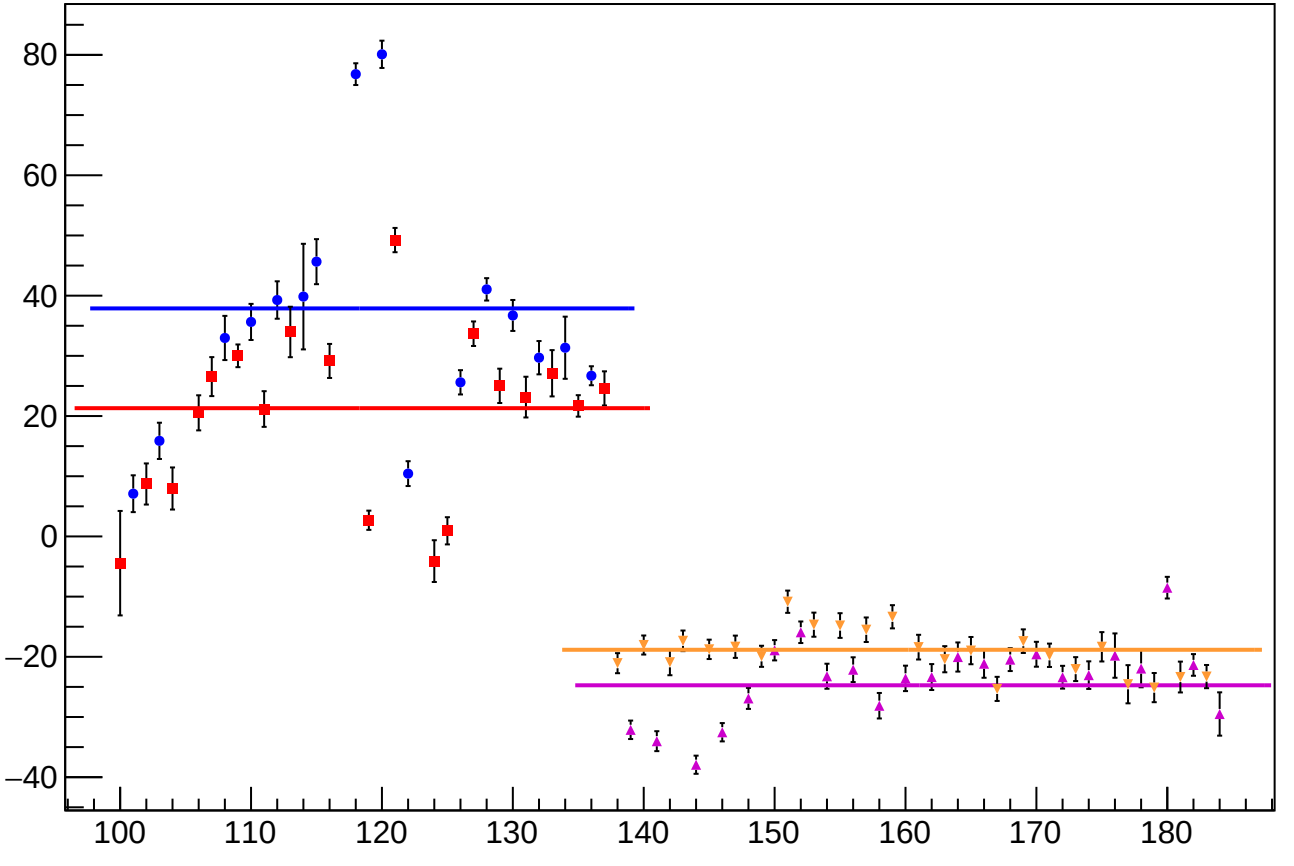
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1830.981+/-0.258 χ^2/NDF:930032.9/38

Out: 1814.684+/-0.251 χ^2/NDF:978485.8/42

All: 1822.598+/-0.180 χ^2/NDF: 1910563.8/81

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: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.744+/-0.287 χ^2/NDF: 488.2/46

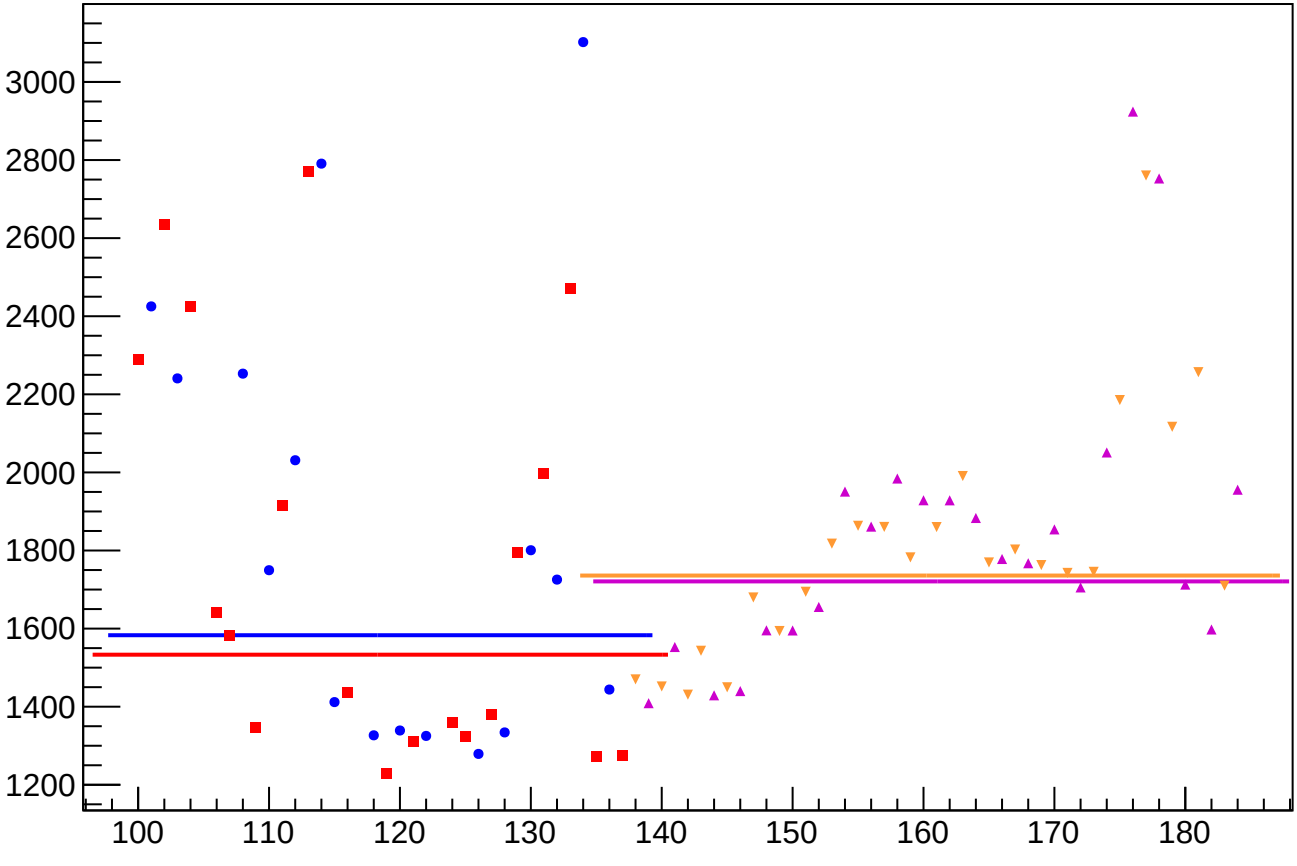
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -5.861+/-0.342 χ^2/NDF:8628.5/38

Out: -6.124+/-0.334 χ^2/NDF:3788.9/42

All: -5.996+/-0.239 χ^2/NDF: 12417.7/81

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: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1728.464+/-0.203 χ^2/NDF: 1611974.4/46

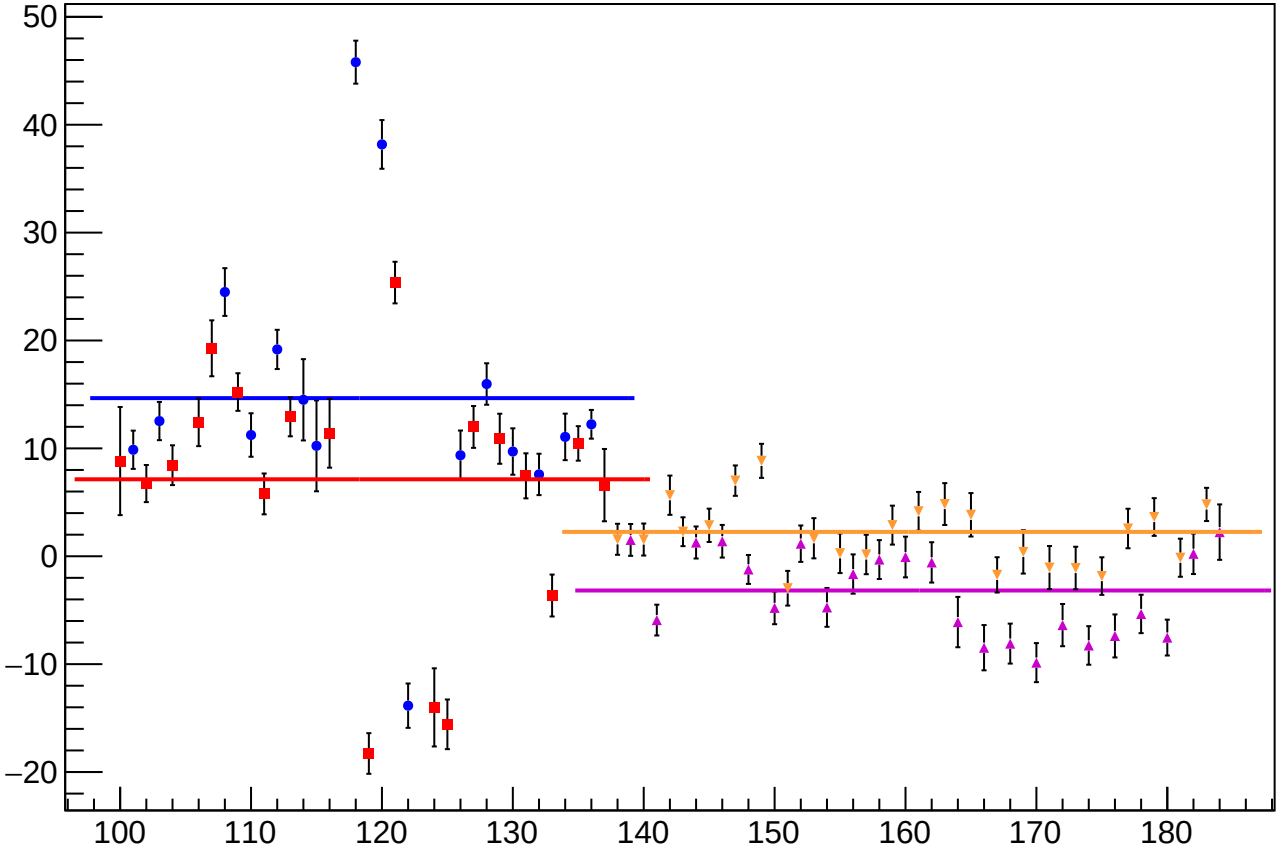
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1679.330+/-0.242 χ^2/NDF:1740175.7/38

Out: 1671.703+/-0.236 χ^2/NDF:1837102.4/42

All: 1675.425+/-0.169 χ^2/NDF: 3577788.2/81

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: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.331+/-0.250 χ^2/NDF: 300.7/46

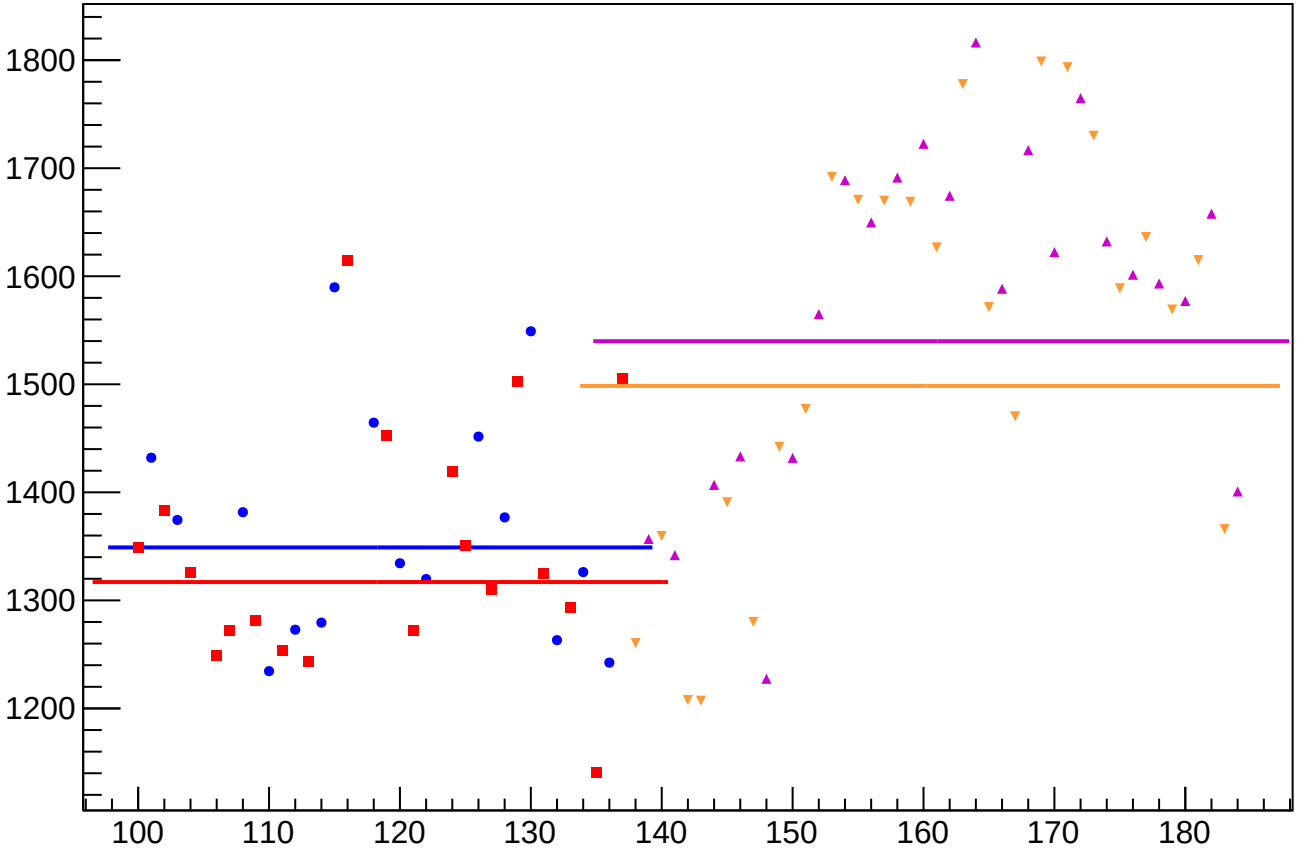
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 2.897+/-0.294 χ^2/NDF:1549.1/38

Out: 3.911+/-0.281 χ^2/NDF:649.6/42

All: 3.427+/-0.203 χ^2/NDF: 2204.9/81

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: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1518.244+/-0.177 χ^2/NDF: 961849.7/46

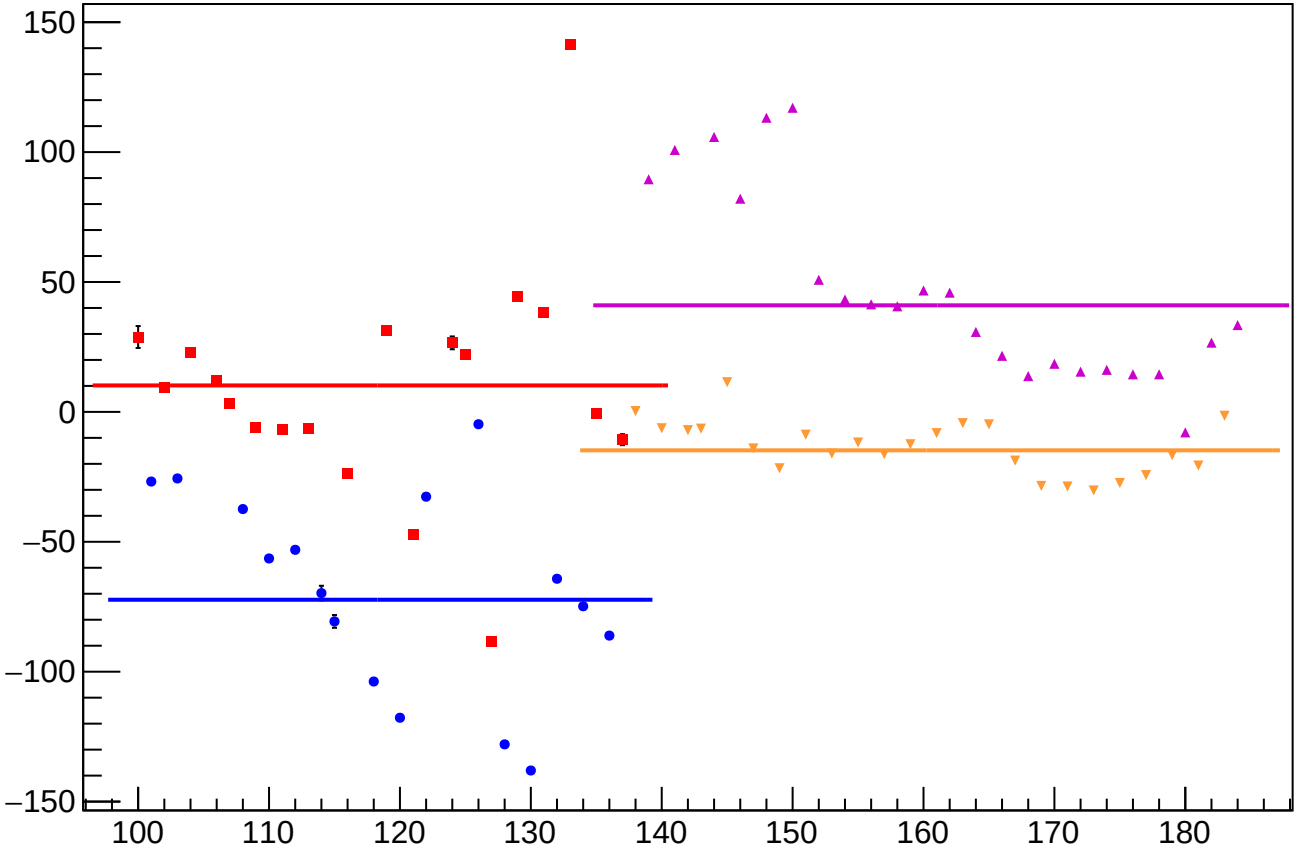
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1474.903+/-0.208 χ^2/NDF:637566.2/38

Out: 1436.972+/-0.199 χ^2/NDF:841424.0/42

All: 1455.079+/-0.144 χ^2/NDF: 1496347.6/81

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: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.292+/-0.132 χ^2/NDF: 78668.4/46

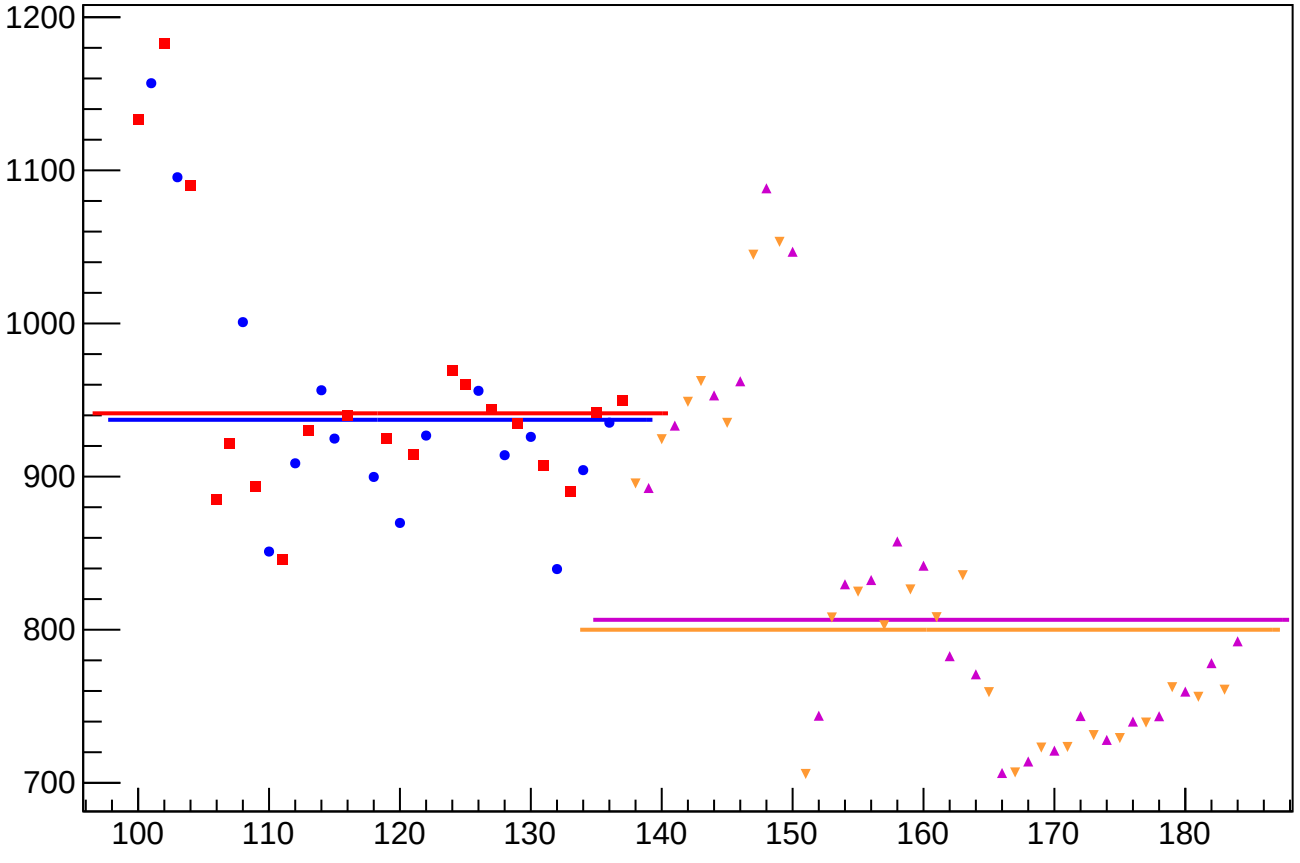
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.210+/-0.167 χ^2/NDF:124433.3/38

Out: -9.238+/-0.162 χ^2/NDF:26213.9/42

All: 2.669+/-0.116 χ^2/NDF: 161671.4/81

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: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 803.142+/-0.093 χ^2/NDF: 1009406.0/46

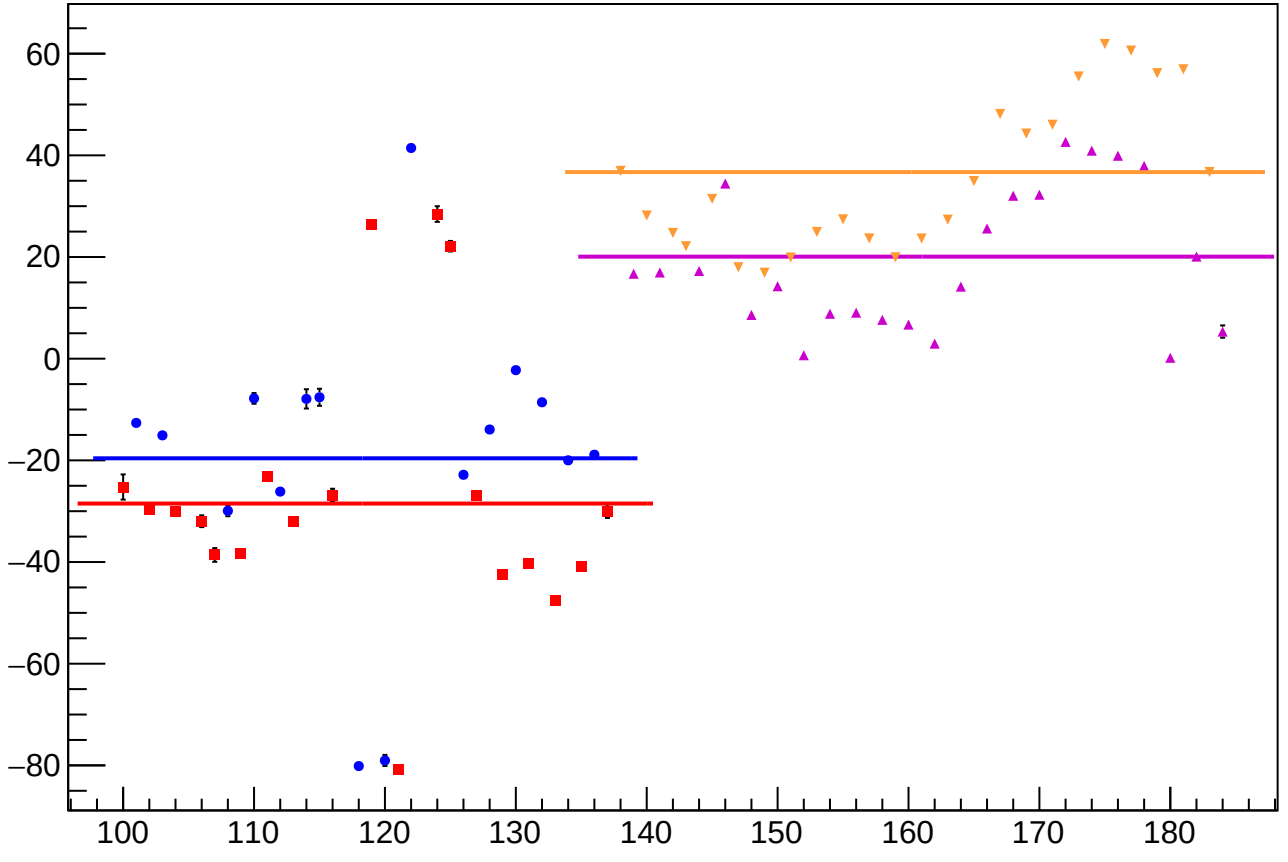
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 836.228+/-0.118 χ^2/NDF:831735.8/38

Out: 831.434+/-0.115 χ^2/NDF:859601.6/42

All: 833.768+/-0.082 χ^2/NDF: 1692185.3/81

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: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.658+/-0.105 χ^2/NDF: 25039.0/46

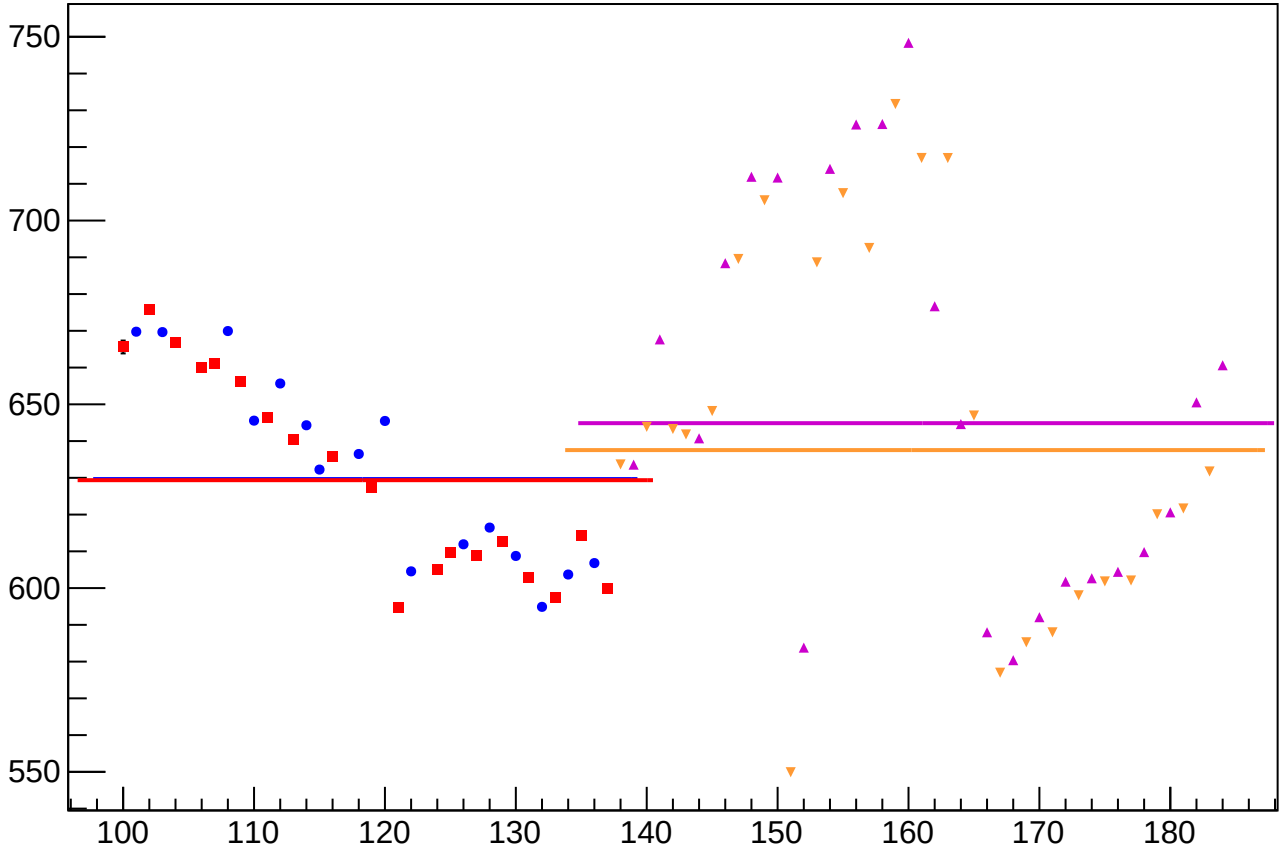
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: 8.386+/-0.127 χ^2/NDF:41992.5/38

Out: 17.866+/-0.123 χ^2/NDF:80508.8/42

All: 13.261+/-0.089 χ^2/NDF: 125365.6/81

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: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.091+/-0.074 χ^2/NDF: 468518.5/46

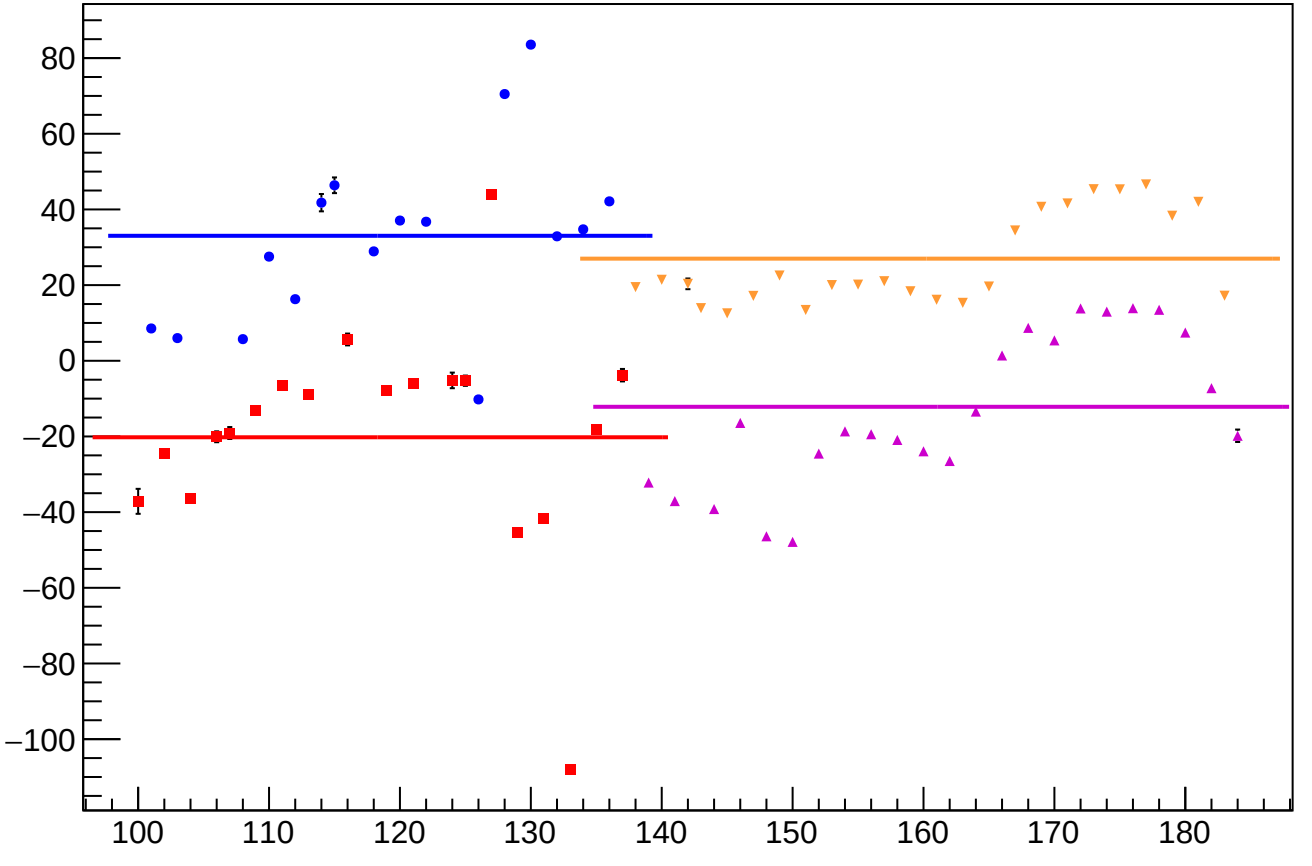
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 640.392+/-0.090 χ^2/NDF:260836.1/38

Out: 635.182+/-0.087 χ^2/NDF:265134.1/42

All: 637.713+/-0.063 χ^2/NDF: 527700.2/81

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: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 7.930+/-0.149 χ^2/NDF: 29136.8/46

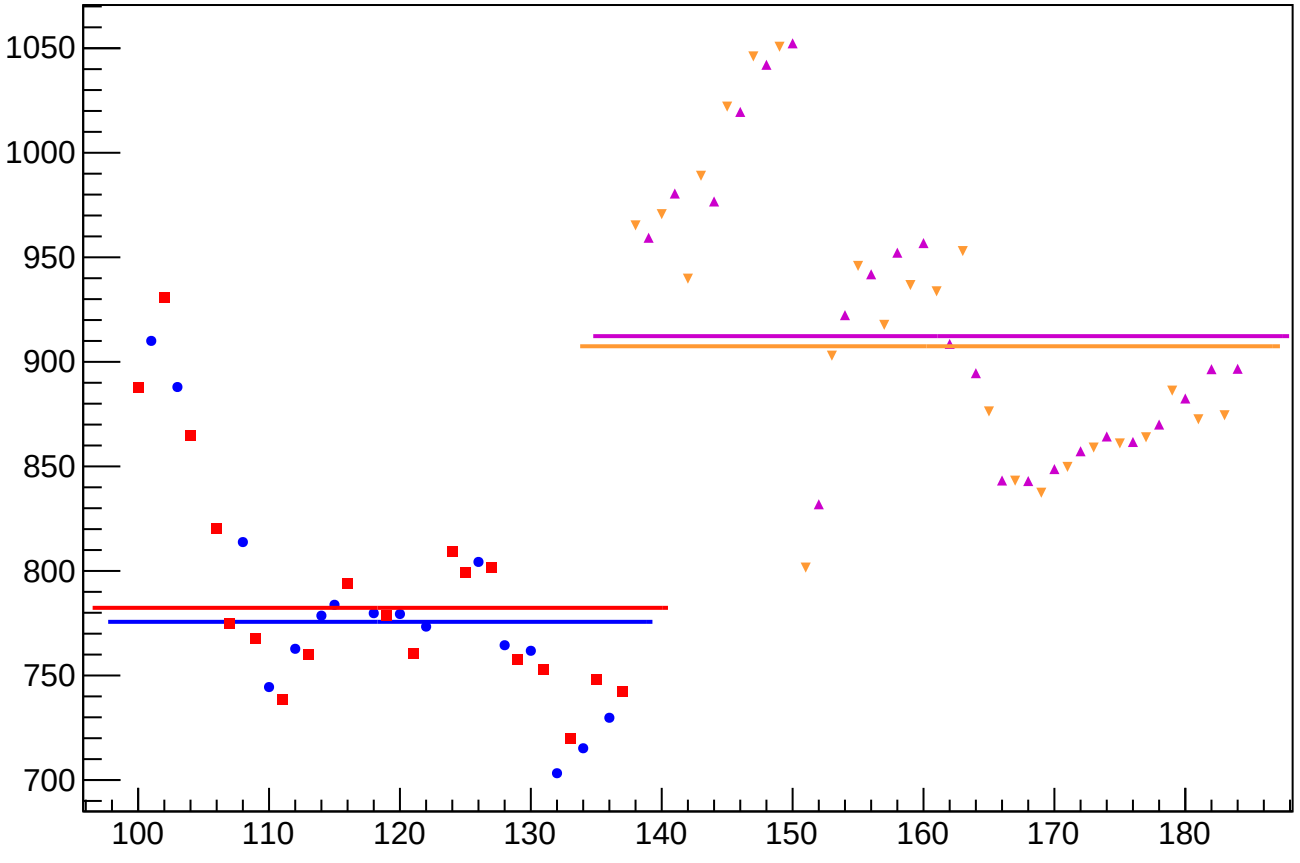
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 3.821+/-0.172 χ^2/NDF:31063.2/38

Out: 10.643+/-0.168 χ^2/NDF:33048.9/42

All: 7.302+/-0.120 χ^2/NDF: 64916.6/81

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: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.816+/-0.105 χ^2/NDF: 369405.7/46

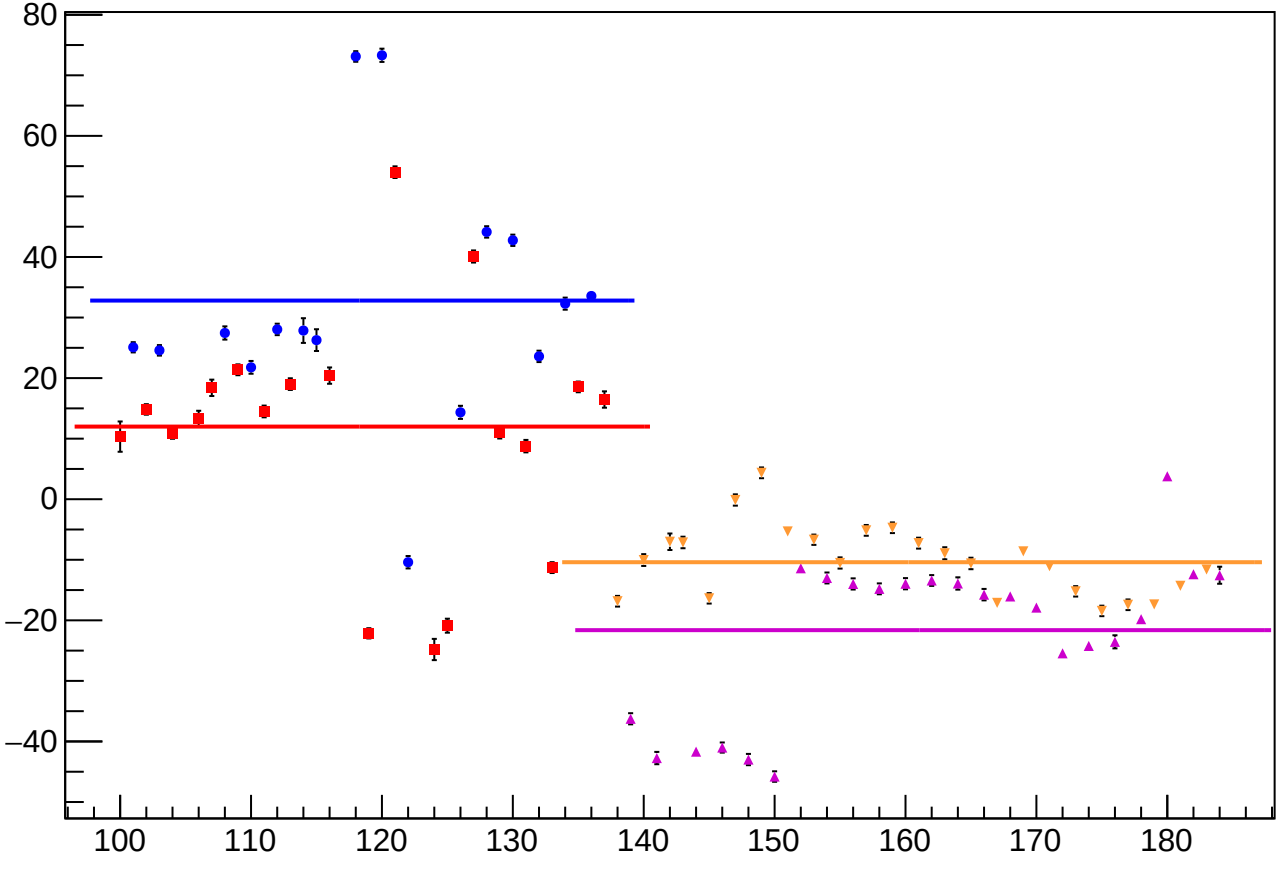
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 863.985+/-0.121 χ^2/NDF:538537.2/38

Out: 864.128+/-0.119 χ^2/NDF:508926.2/42

All: 864.058+/-0.085 χ^2/NDF: 1047464.1/81

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: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.865+/-0.127 χ^2/NDF: 8234.8/46

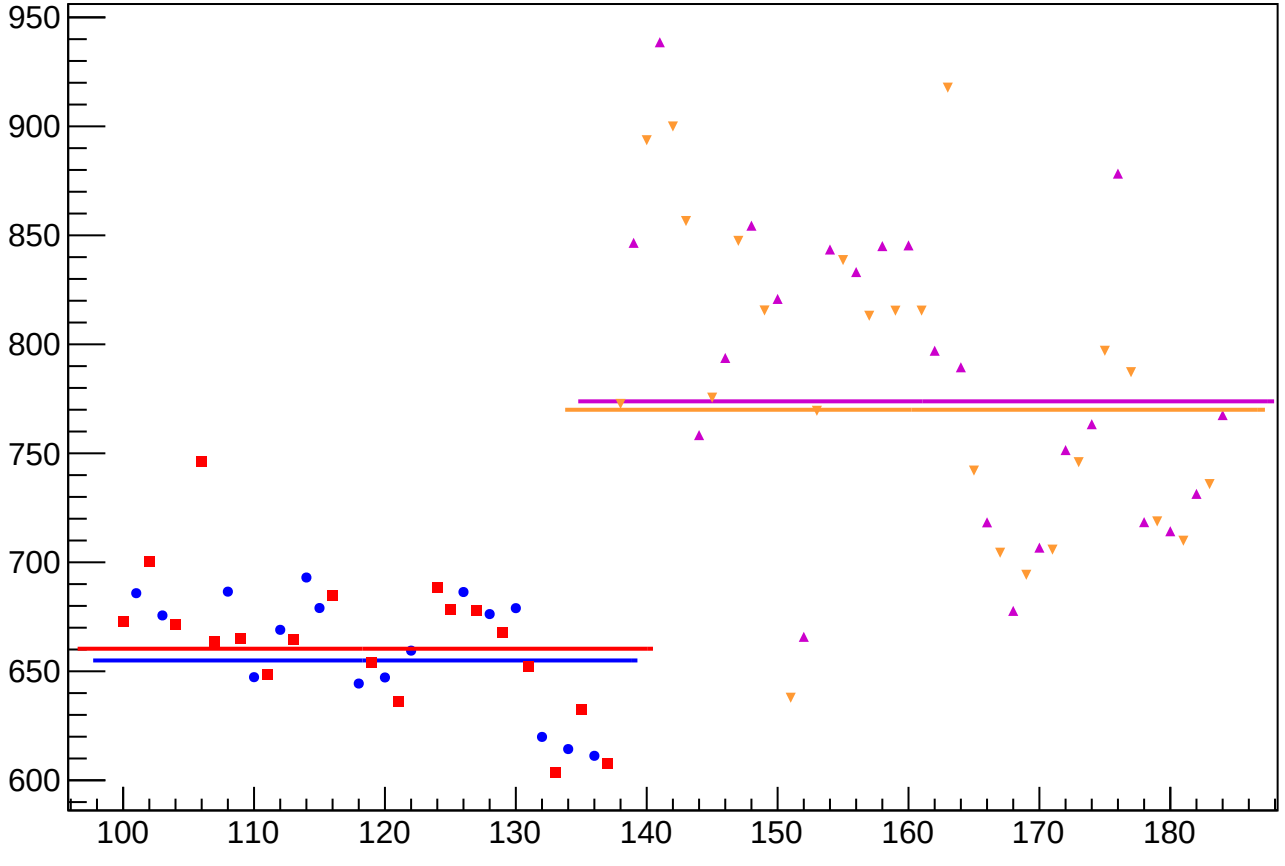
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: -2.125+/-0.146 χ^2/NDF:43557.4/38

Out: -2.546+/-0.143 χ^2/NDF:13201.9/42

All: -2.340+/-0.102 χ^2/NDF: 56763.6/81

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: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.865+/-0.090 χ^2/NDF: 587747.6/46

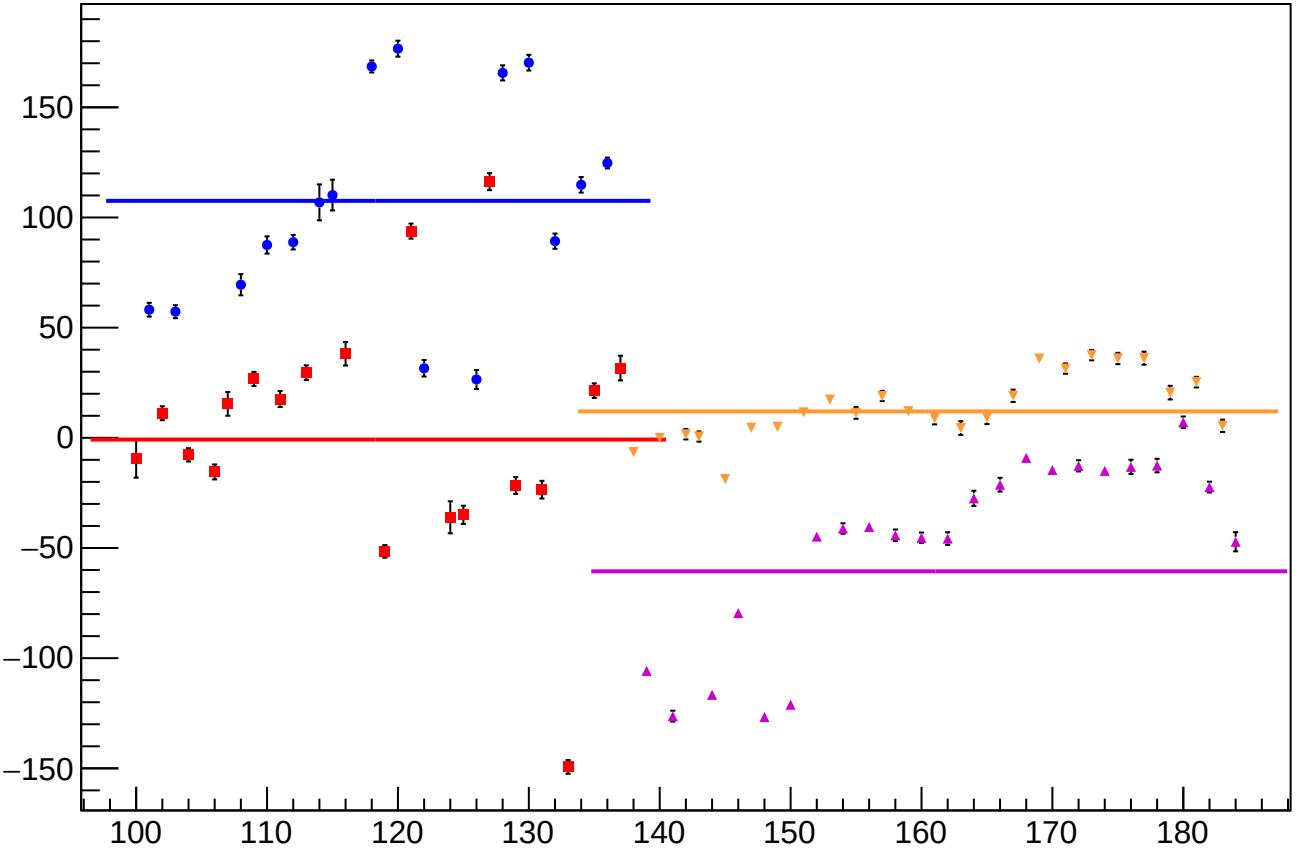
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 731.261+/-0.103 χ^2/NDF:615454.3/38

Out: 731.531+/-0.101 χ^2/NDF:603275.1/42

All: 731.398+/-0.072 χ^2/NDF: 1218732.9/81

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: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.785+/-0.338 χ^2/NDF: 21138.1/46

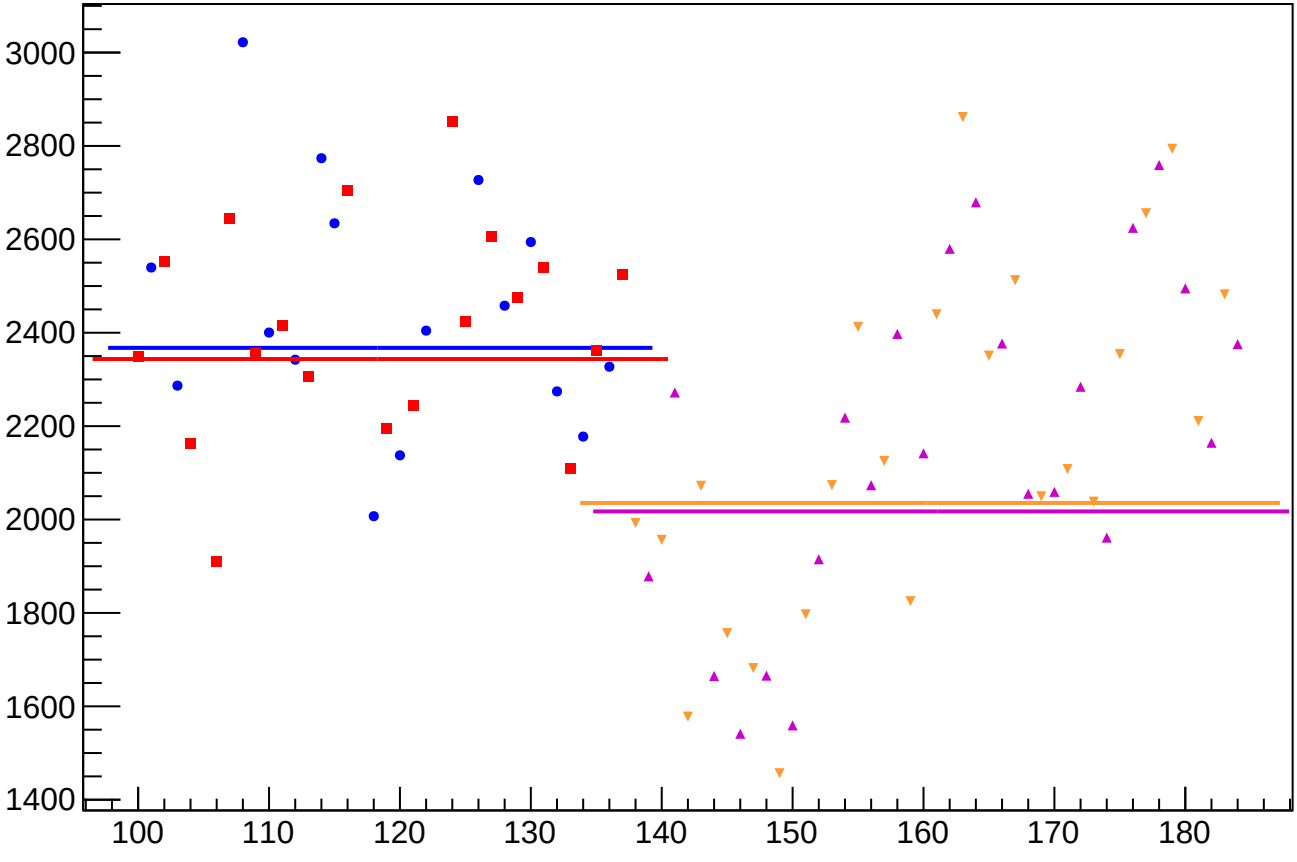
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -22.289+/-0.423 χ^2/NDF:39446.5/38

Out: 9.011+/-0.415 χ^2/NDF:5879.9/42

All: -6.364+/-0.296 χ^2/NDF: 48117.4/81

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: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

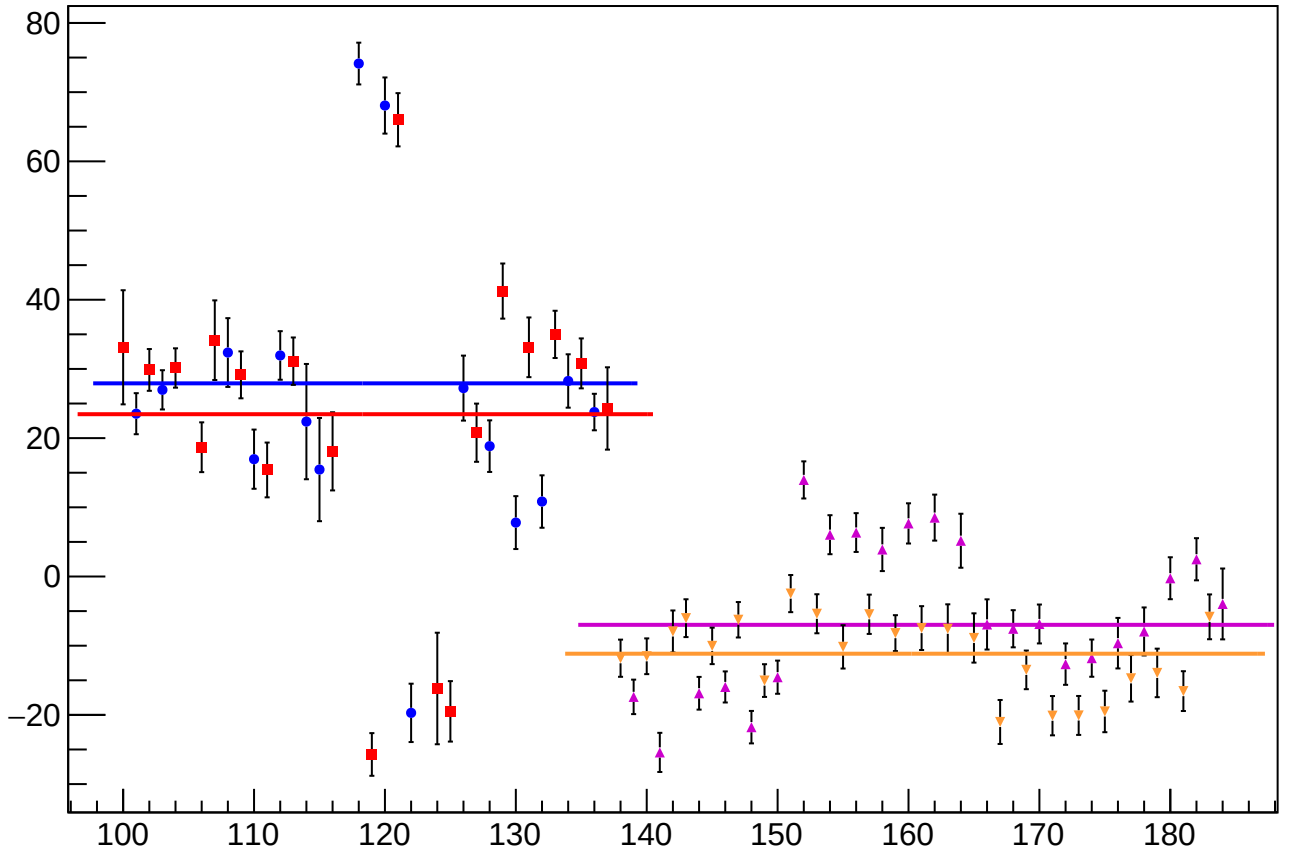
Left: 2026.568+/-0.239 χ^2/NDF: 2166124.6/46

Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2097.139+/-0.299 χ^2/NDF:1418585.7/38

Out: 2107.250+/-0.294 χ^2/NDF:1423564.6/42

All: 2102.283+/-0.209 χ^2/NDF: 2842732.9/81



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: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.103+/-0.420 χ^2/NDF: 444.5/46

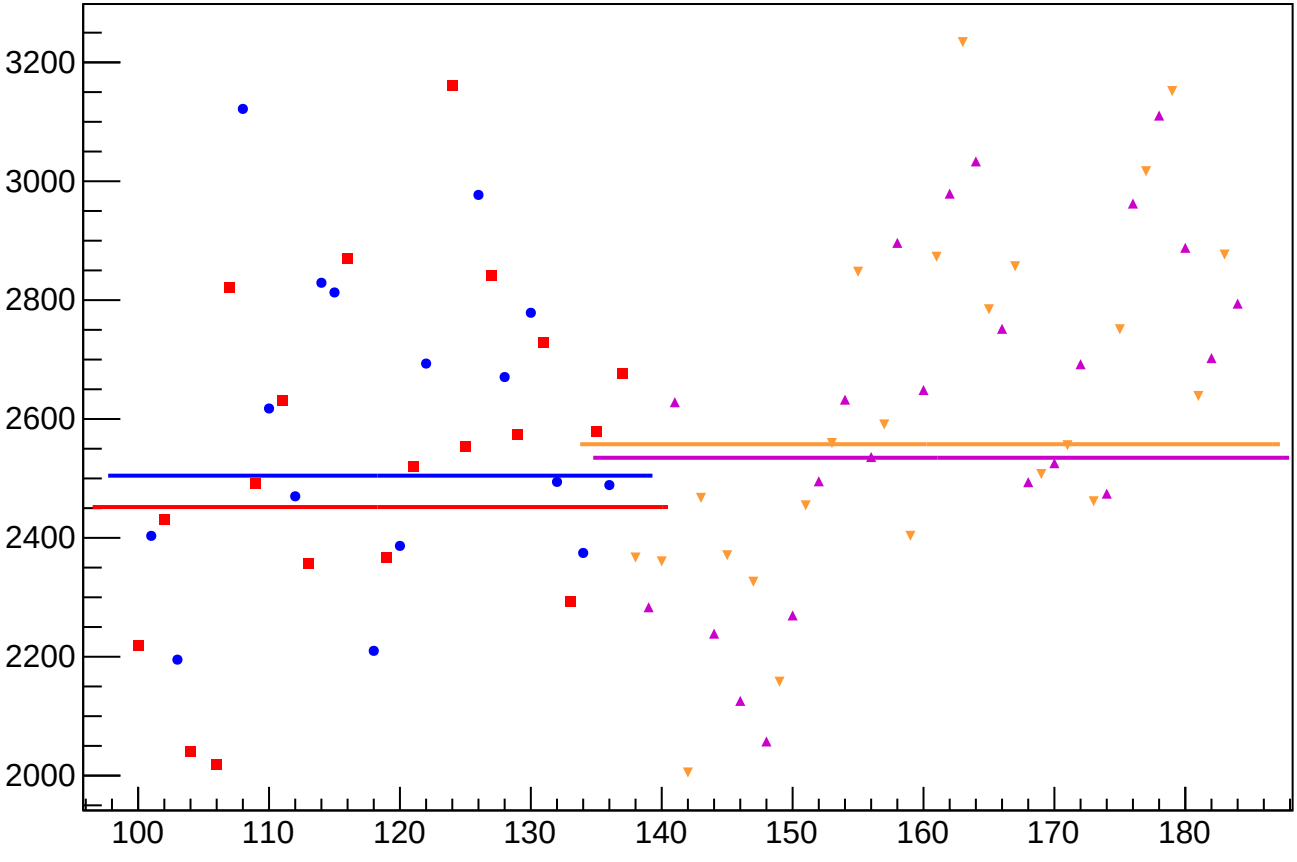
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 3.131+/-0.504 χ^2/NDF:1855.9/38

Out: -0.811+/-0.493 χ^2/NDF:1679.2/42

All: 1.117+/-0.353 χ^2/NDF: 3566.4/81

diff_bpm1i06Y_rms vs Slug, Sign Corrected



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: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2546.360+/-0.297 χ^2/NDF: 912589.2/46

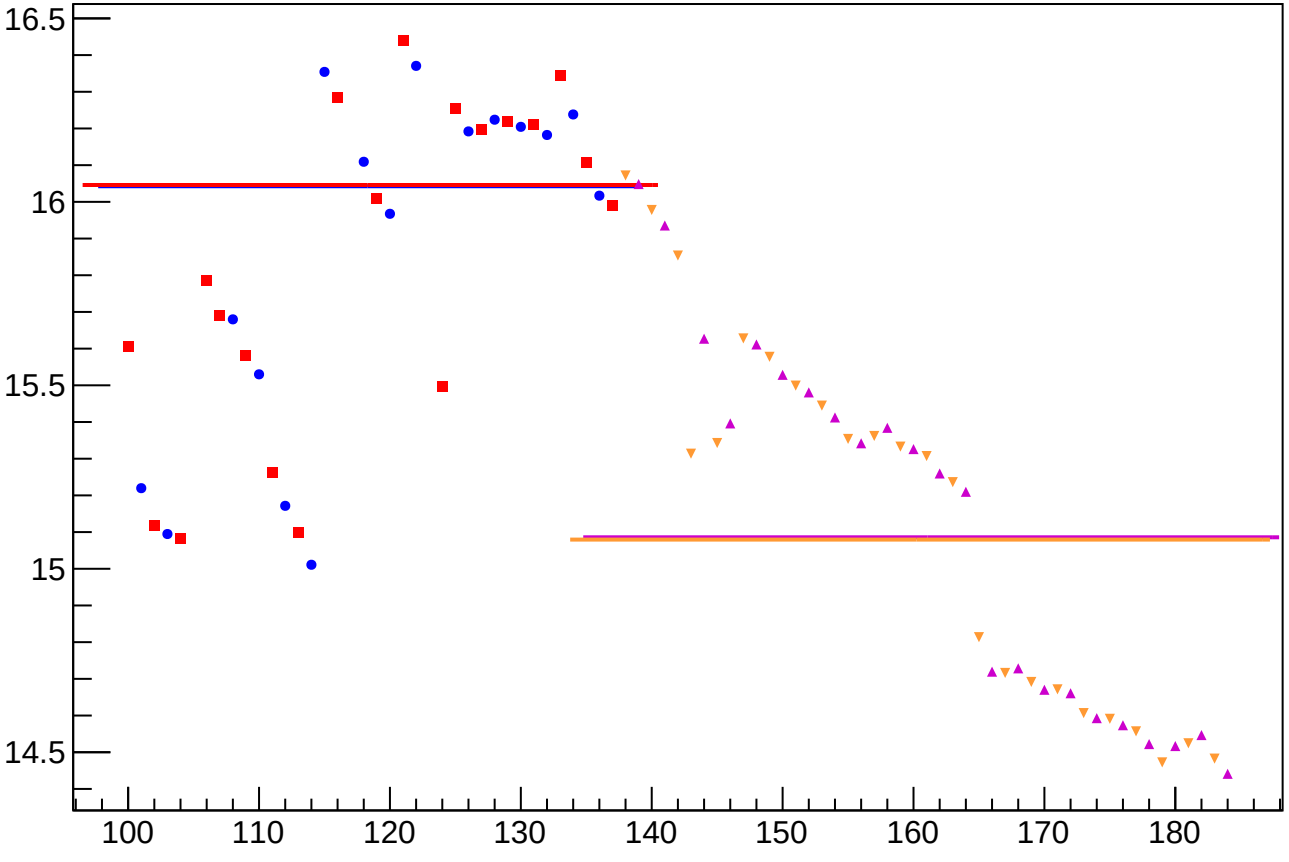
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2526.048+/-0.357 χ^2/NDF:591690.0/38

Out: 2525.993+/-0.349 χ^2/NDF:619961.9/42

All: 2526.020+/-0.249 χ^2/NDF: 1211651.9/81

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: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.083+/-0.000 χ^2/NDF: 82345737235.2/46

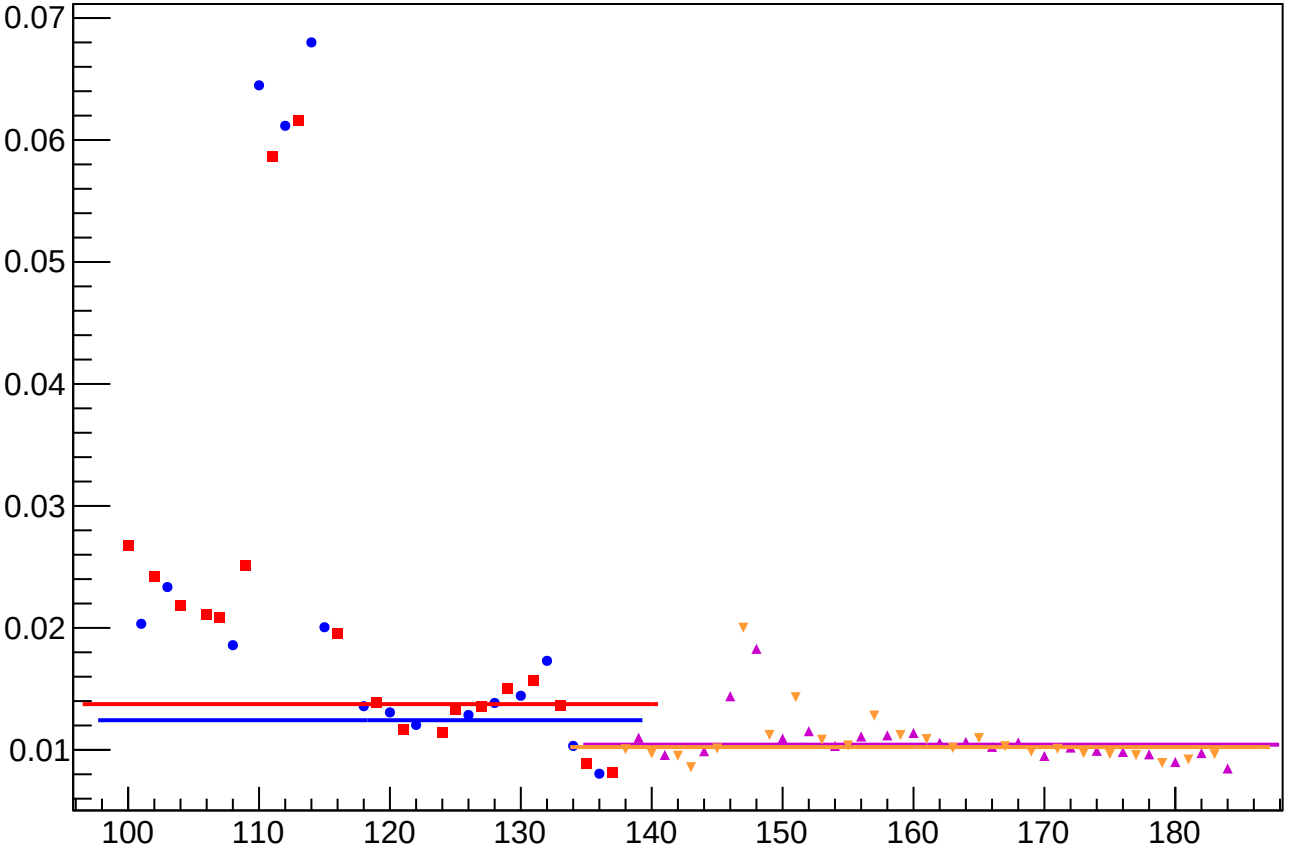
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.262+/-0.000 χ^2/NDF:68948463509.3/38

Out: 15.224+/-0.000 χ^2/NDF:70284589487.6/42

All: 15.243+/-0.000 χ^2/NDF: 139373435538.

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:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1361986.7/46

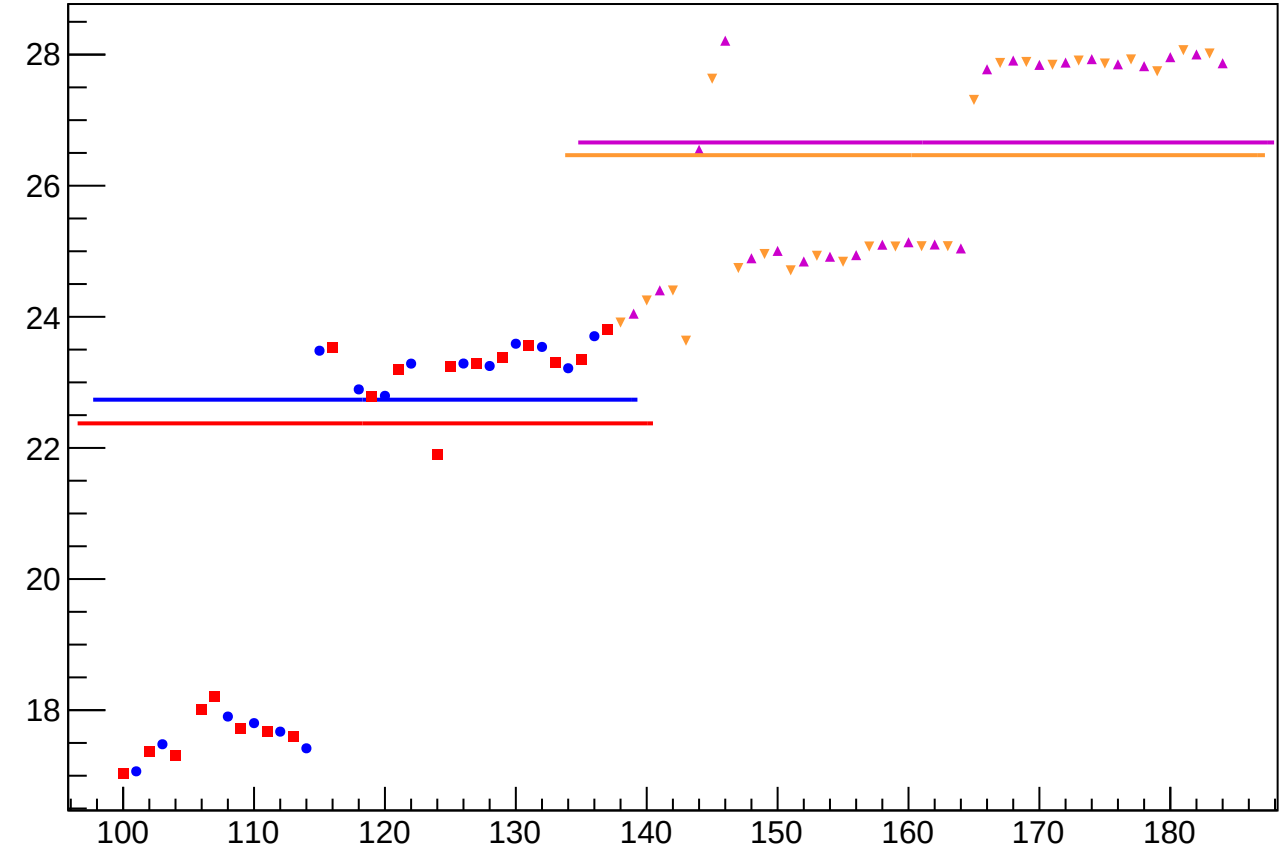
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:3148017.5/38

Out: 0.011+/-0.000 χ^2/NDF:3622953.9/42

All: 0.011+/-0.000 χ^2/NDF: 6771316.4/81

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: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.559+/-0.000 χ^2/NDF: 6741772964.5/46

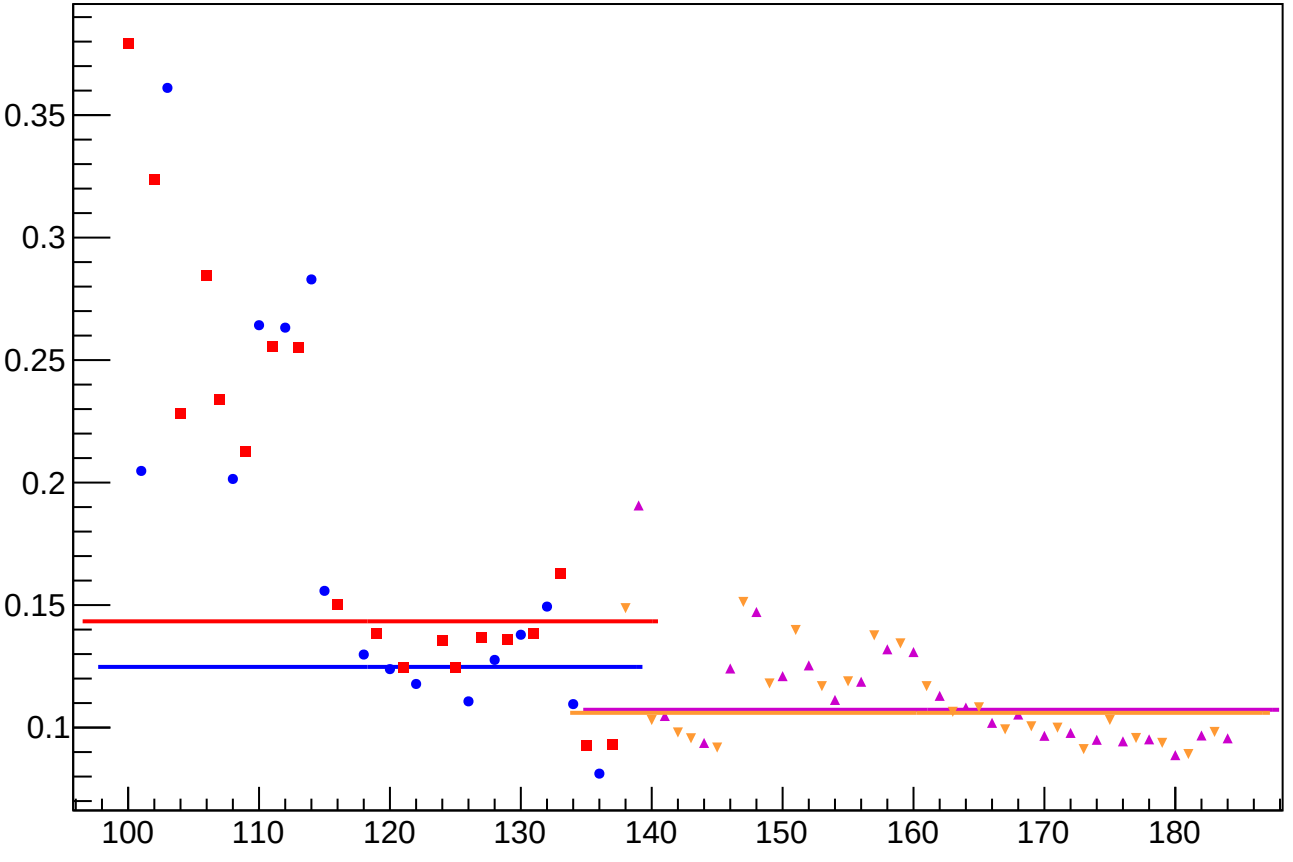
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 25.868+/-0.000 χ^2/NDF:8329806759.0/38

Out: 25.807+/-0.000 χ^2/NDF:8968930654.1/42

All: 25.837+/-0.000 χ^2/NDF: 17302002938.2

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: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.107+/-0.000 χ^2/NDF: 1609369.8/46

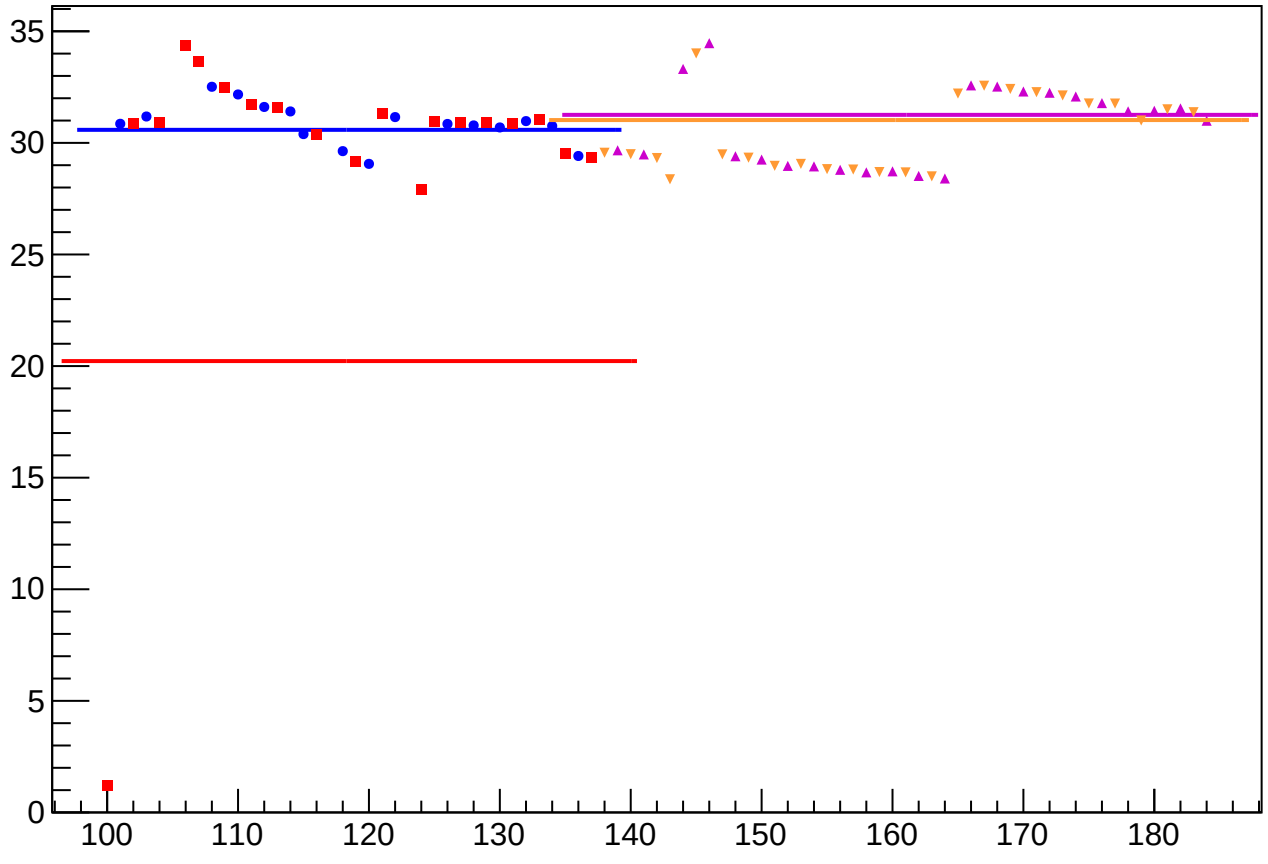
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.111+/-0.000 χ^2/NDF:2777229.8/38

Out: 0.112+/-0.000 χ^2/NDF:2972079.8/42

All: 0.111+/-0.000 χ^2/NDF: 5751960.5/81

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: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.138+/-0.000 χ^2/NDF: 24569865484.1/46

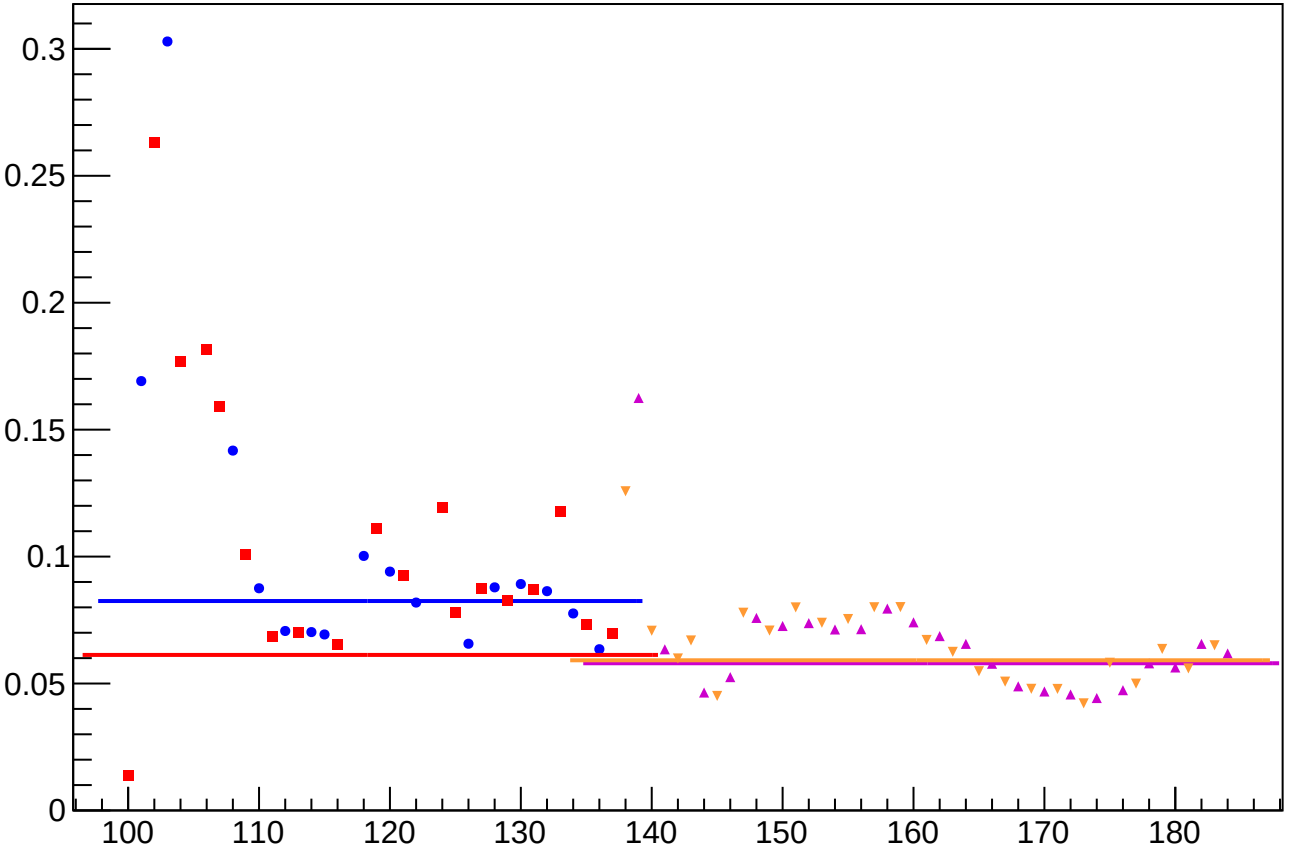
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.150+/-0.000 χ^2/NDF:13535516458.4/38

Out: 28.797+/-0.000 χ^2/NDF:333859805108.5/42

All: 29.929+/-0.000 χ^2/NDF: 361465113587.

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:1716553.7/22

Left: 0.059+/-0.000 χ^2/NDF: 3242098.3/46

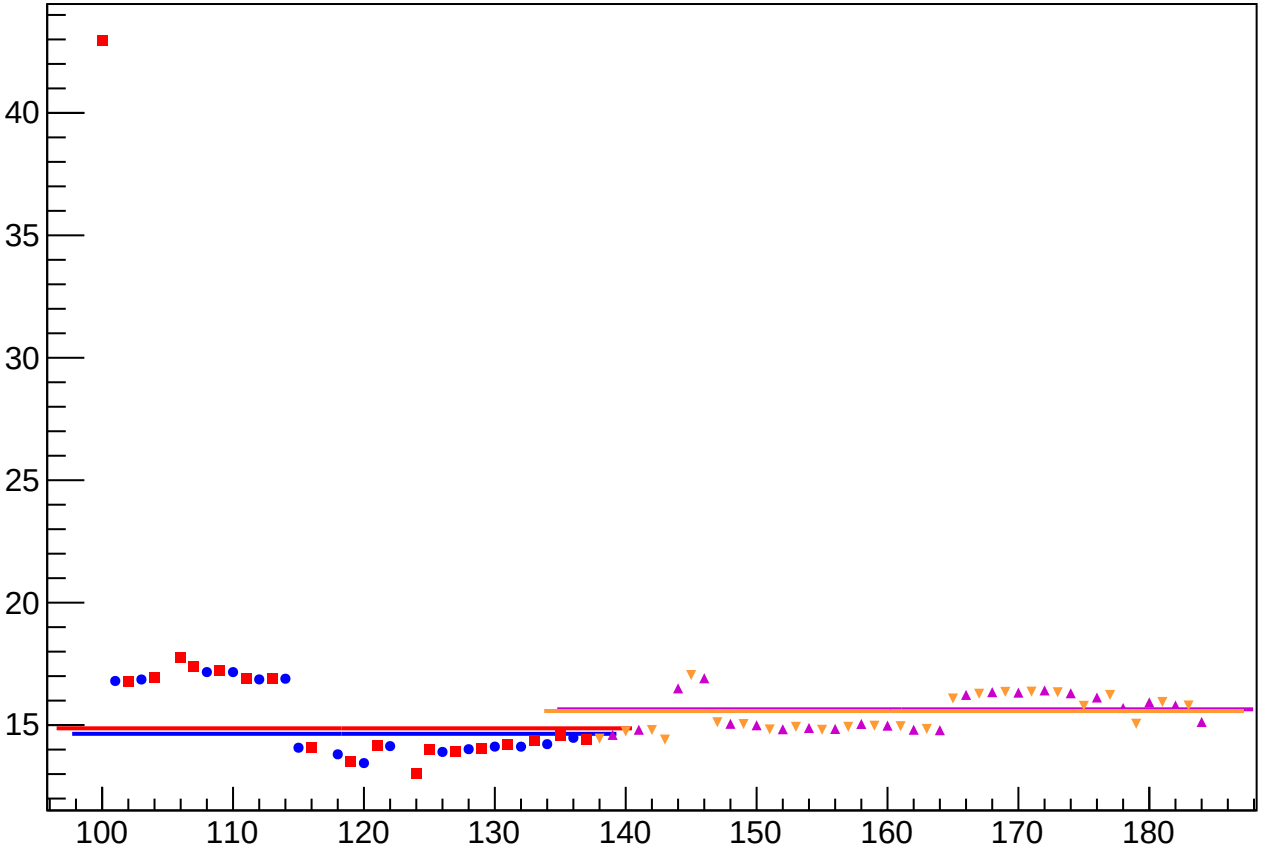
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.062+/-0.000 χ^2/NDF:3761151.2/38

Out: 0.060+/-0.000 χ^2/NDF:5541908.9/42

All: 0.061+/-0.000 χ^2/NDF: 9329255.5/81

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: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.608+/-0.000 χ^2/NDF: 4072600491.4/46

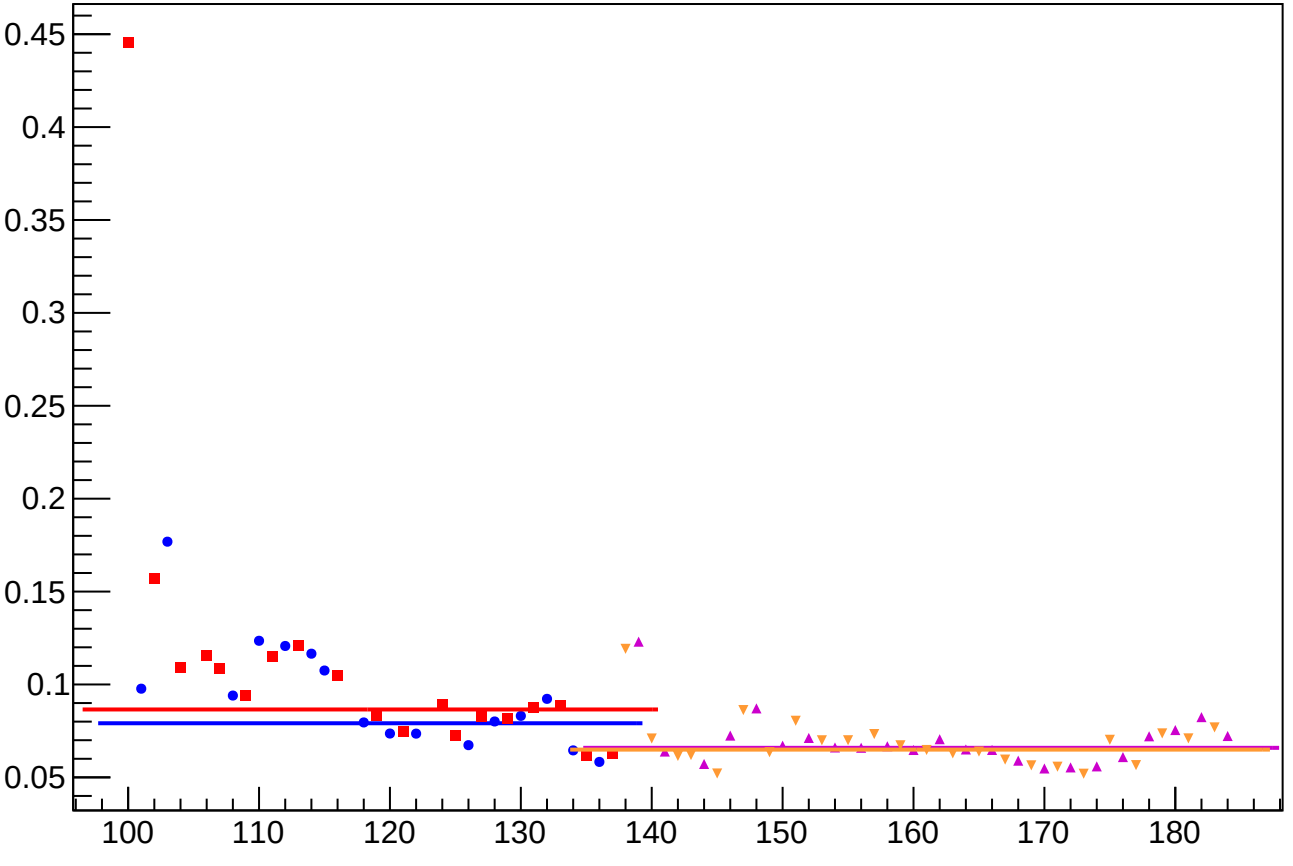
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.437+/-0.000 χ^2/NDF:3796305827.0/38

Out: 15.450+/-0.000 χ^2/NDF:4272339034.0/42

All: 15.444+/-0.000 χ^2/NDF: 8069040116.6/8

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:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1634724.1/46

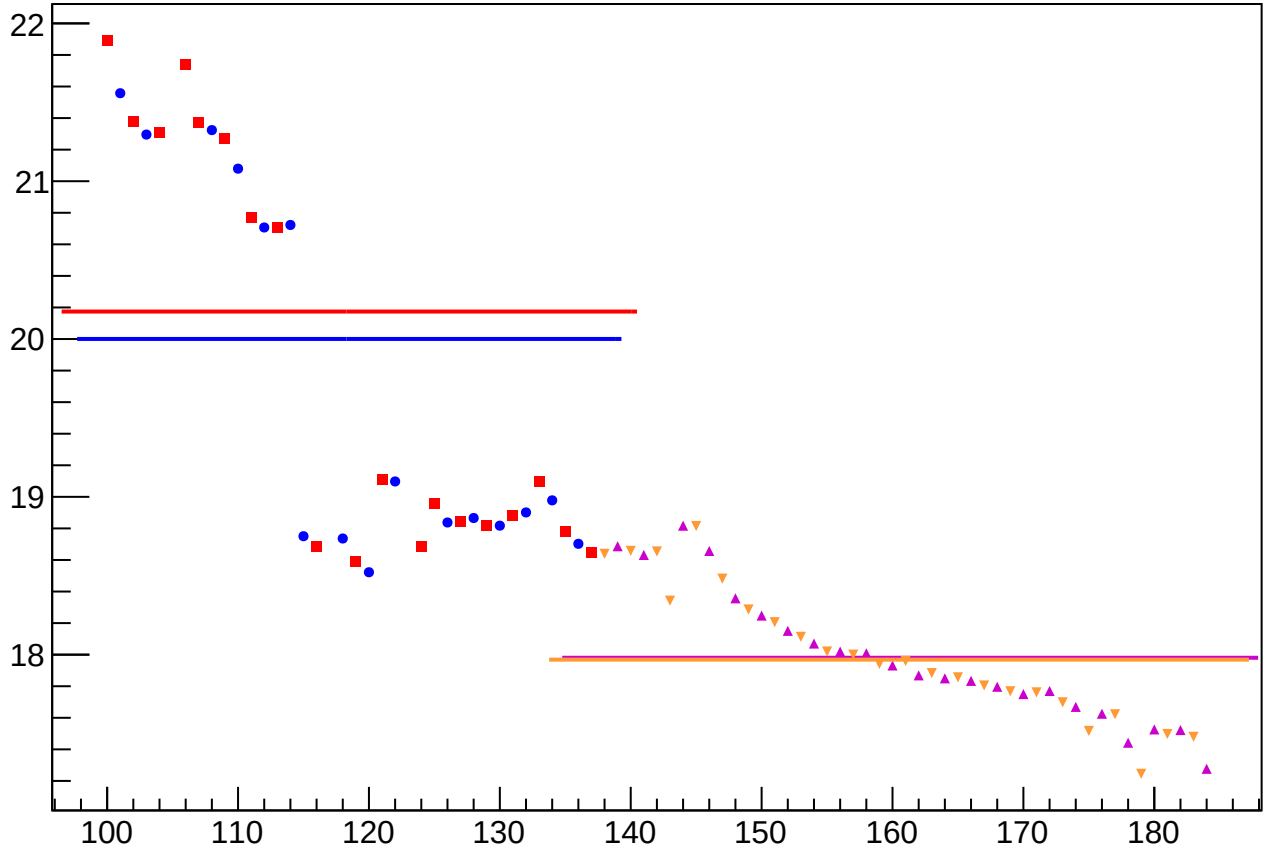
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.069+/-0.000 χ^2/NDF:1966733.0/38

Out: 0.069+/-0.000 χ^2/NDF:2267466.0/42

All: 0.069+/-0.000 χ^2/NDF: 4234250.2/81

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: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

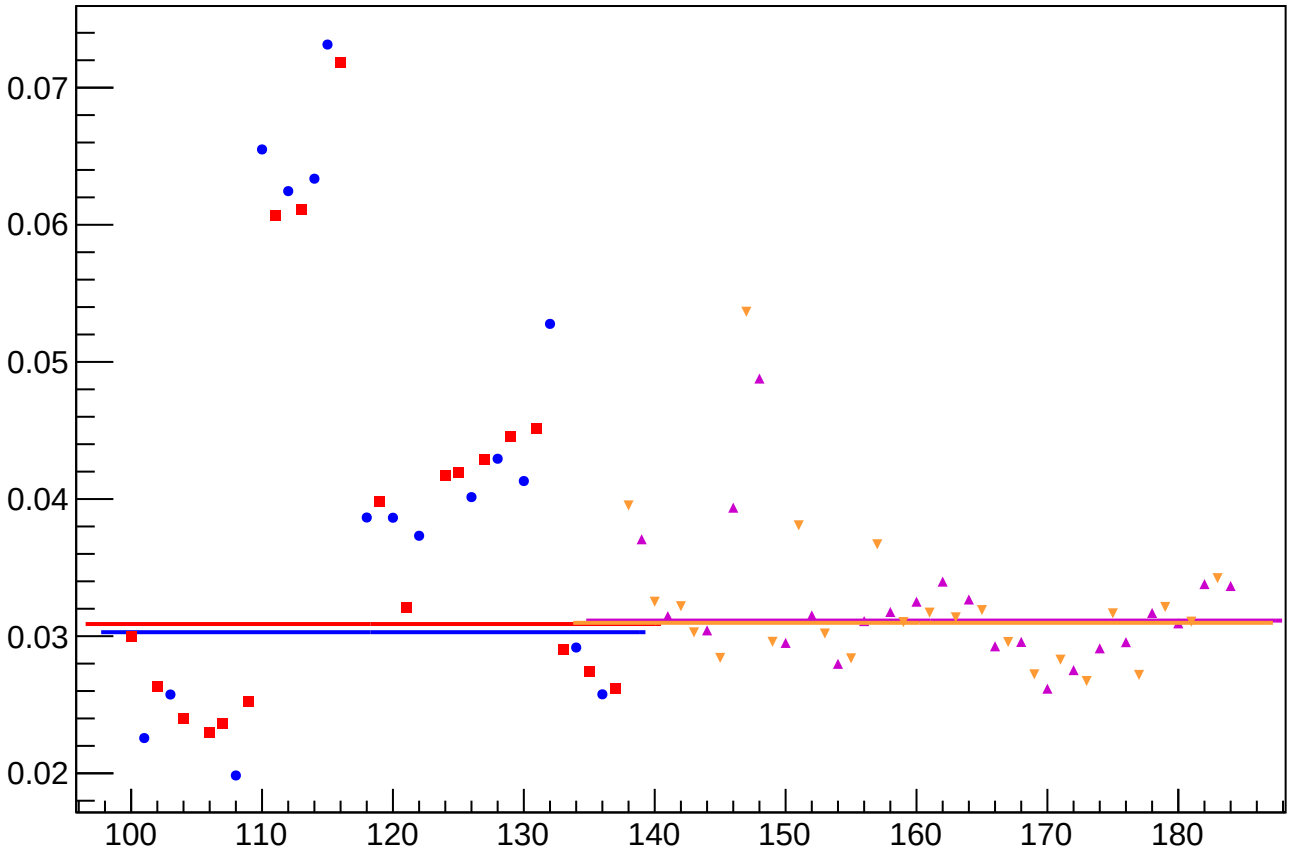
Left: 17.974+/-0.000 χ^2/NDF: 5730362116.3/46

Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.519+/-0.000 χ^2/NDF:33046776734.3/38

Out: 18.536+/-0.000 χ^2/NDF:36991022775.6/42

All: 18.528+/-0.000 χ^2/NDF: 70041296246.1



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:482919.2/22

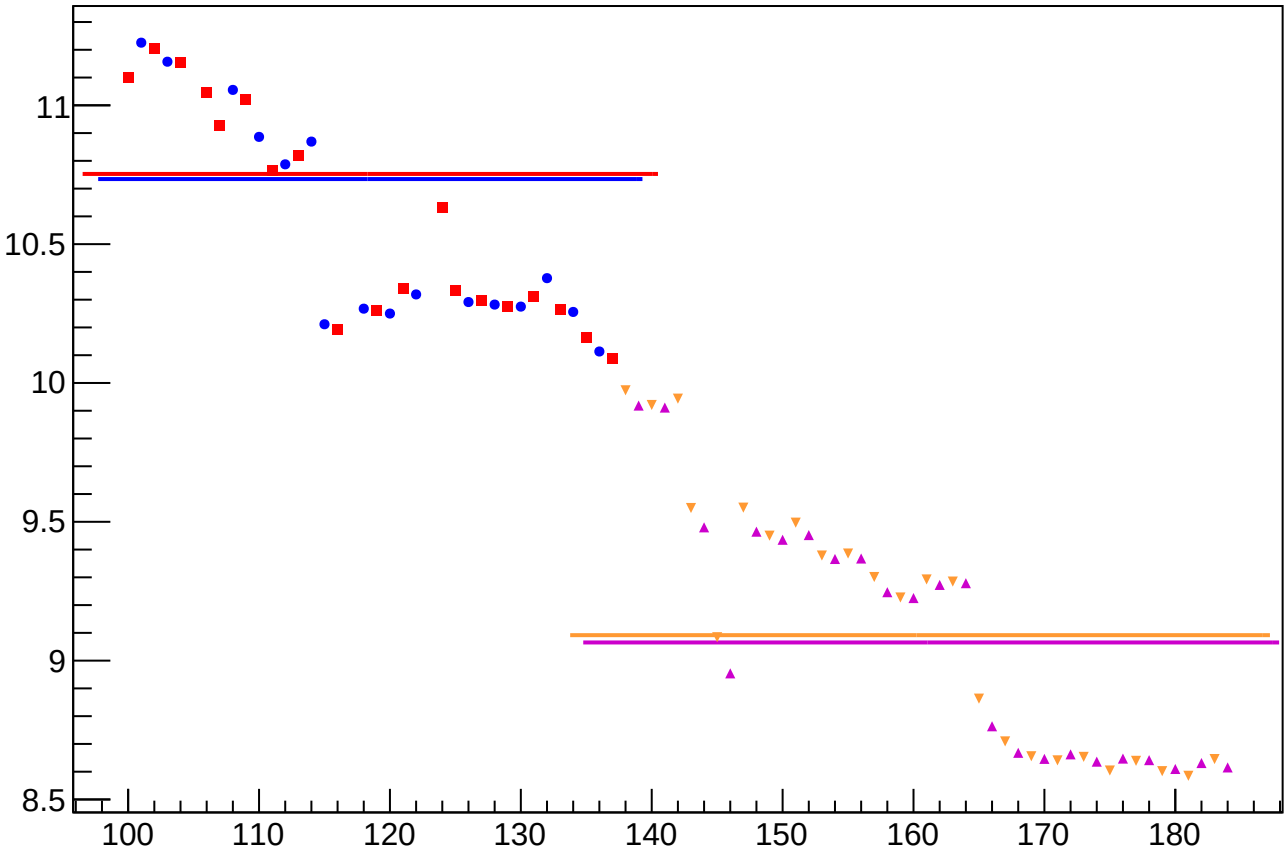
Left: 0.031+/-0.000 χ^2/NDF: 1102910.5/46

Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1937131.5/38

Out: 0.031+/-0.000 χ^2/NDF:1824310.1/42

All: 0.031+/-0.000 χ^2/NDF: 3761482.5/81



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: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

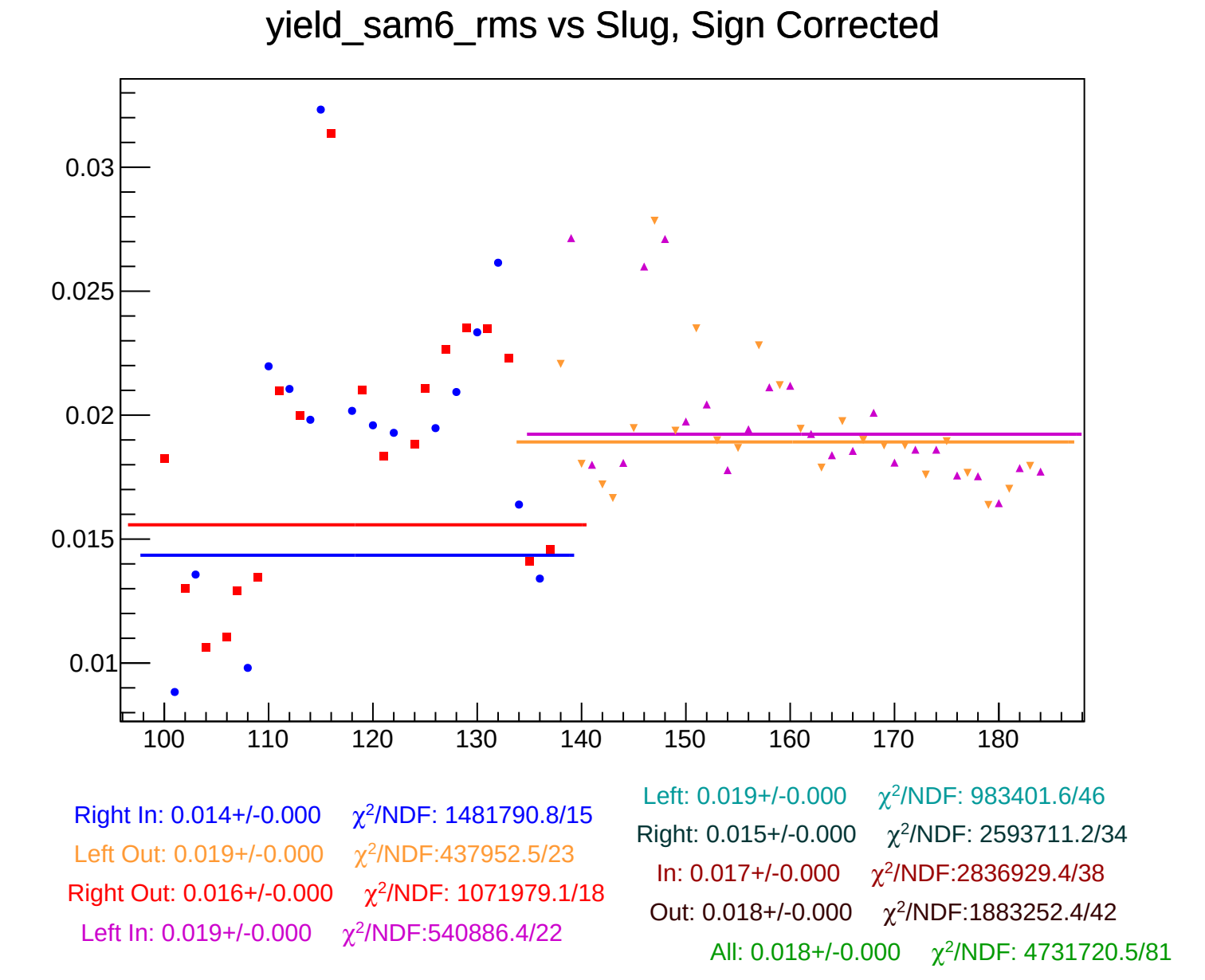
Left: 9.079+/-0.000 χ^2/NDF: 18152200949.1/46

Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

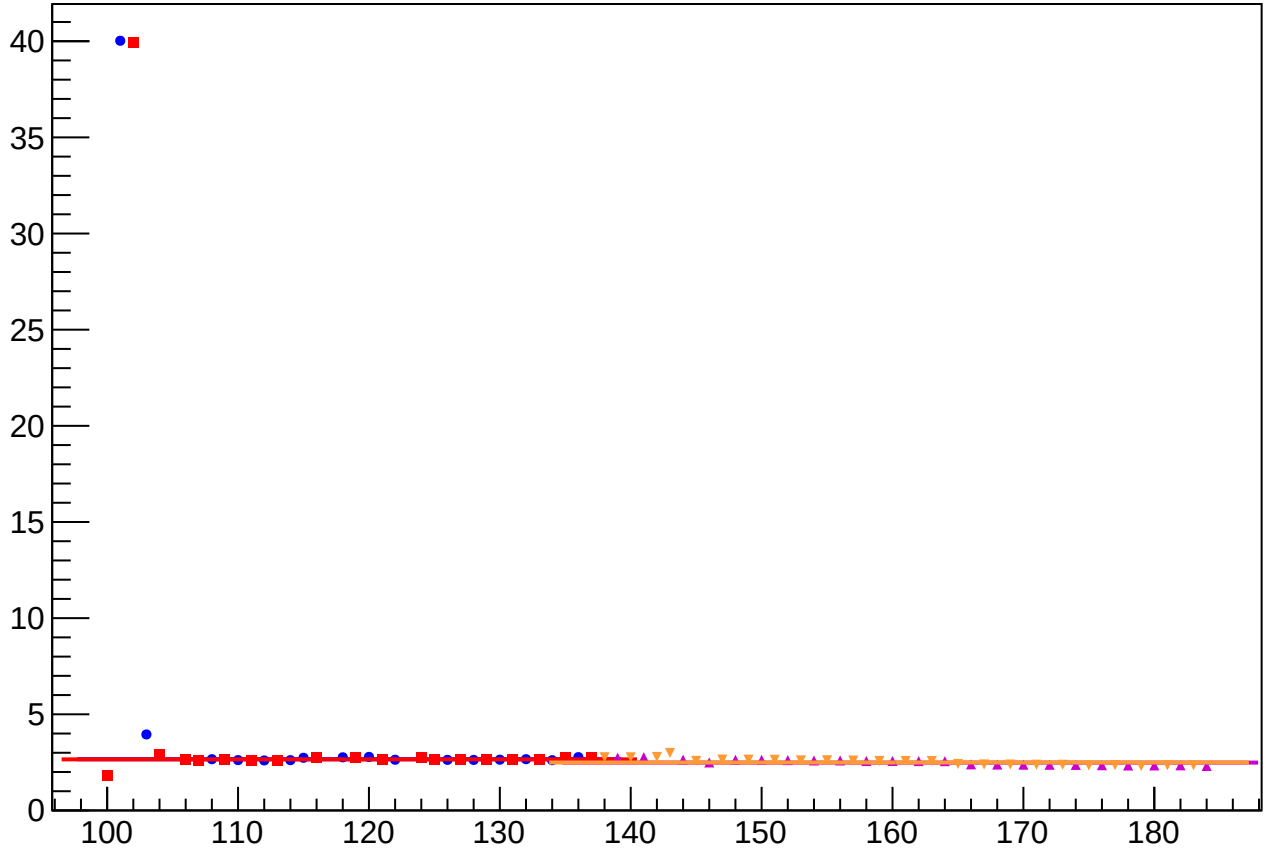
In: 9.702+/-0.000 χ^2/NDF:61527786833.4/38

Out: 9.664+/-0.000 χ^2/NDF:60528922052.6/42

All: 9.683+/-0.000 χ^2/NDF: 122108568208.0


yield_sam6_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
100
110
120
130
140
150
160
170
180
Right In: 0.014+/-0.000 χ²/NDF: 1481790.8/15
Left Out: 0.019+/-0.000 χ²/NDF:437952.5/23
Right Out: 0.016+/-0.000 χ²/NDF: 1071979.1/18
Left In: 0.019+/-0.000 χ²/NDF:540886.4/22
Left: 0.019+/-0.000 χ²/NDF: 983401.6/46
Right: 0.015+/-0.000 χ²/NDF: 2593711.2/34
In: 0.017+/-0.000 χ²/NDF:2836929.4/38
Out: 0.018+/-0.000 χ²/NDF:1883252.4/42
All: 0.018+/-0.000 χ²/NDF: 4731720.5/81

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: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.492+/-0.000 χ^2/NDF: 152311215338.0/46

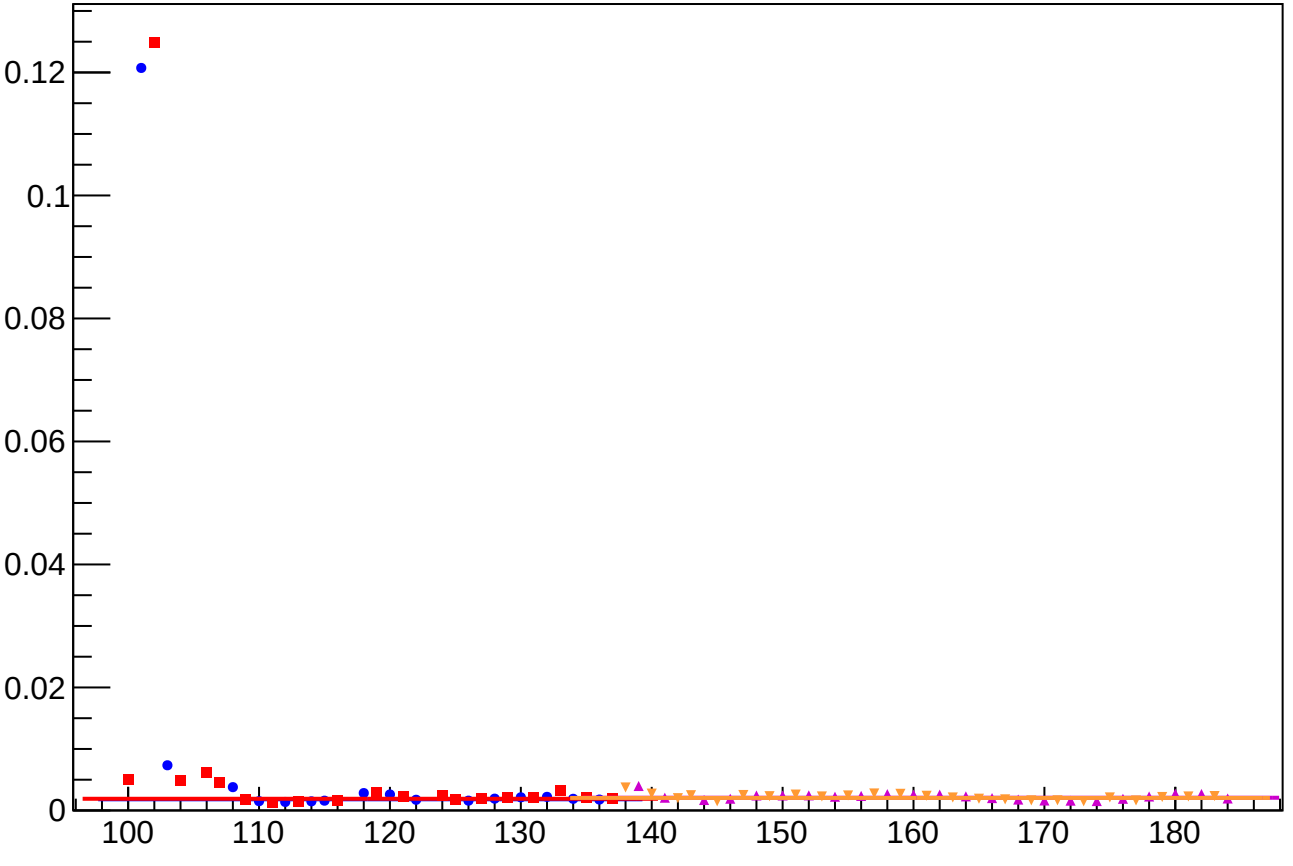
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.540+/-0.000 χ^2/NDF:160251722820.4/38

Out: 2.539+/-0.000 χ^2/NDF:182741415734.2/42

All: 2.540+/-0.000 χ^2/NDF: 342996416325.8

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1502138.3/23

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2907148.6/46

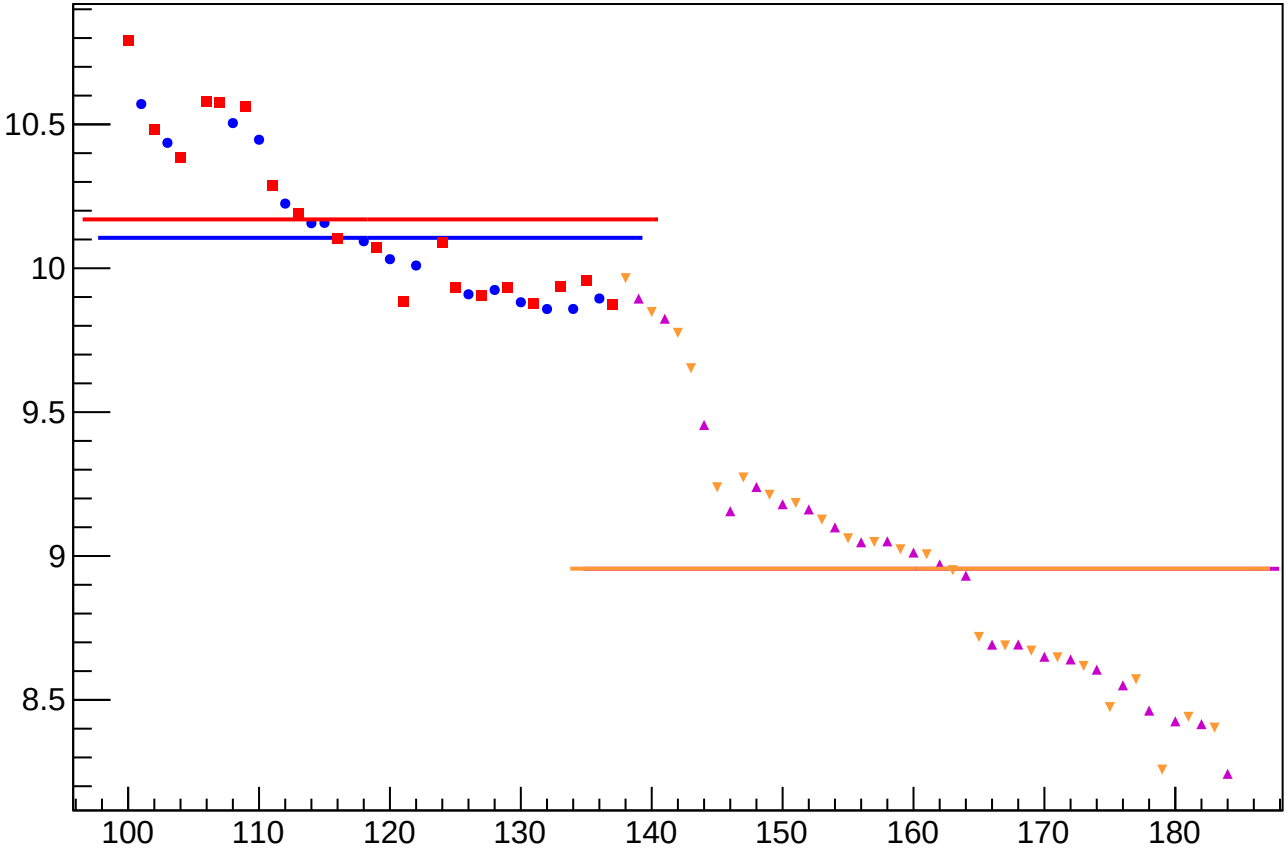
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:3353764.4/38

Out: 0.002+/-0.000 χ^2/NDF:4067099.2/42

All: 0.002+/-0.000 χ^2/NDF: 7421217.5/81

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: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.956+/-0.000 χ^2/NDF: 115275269592.5/46

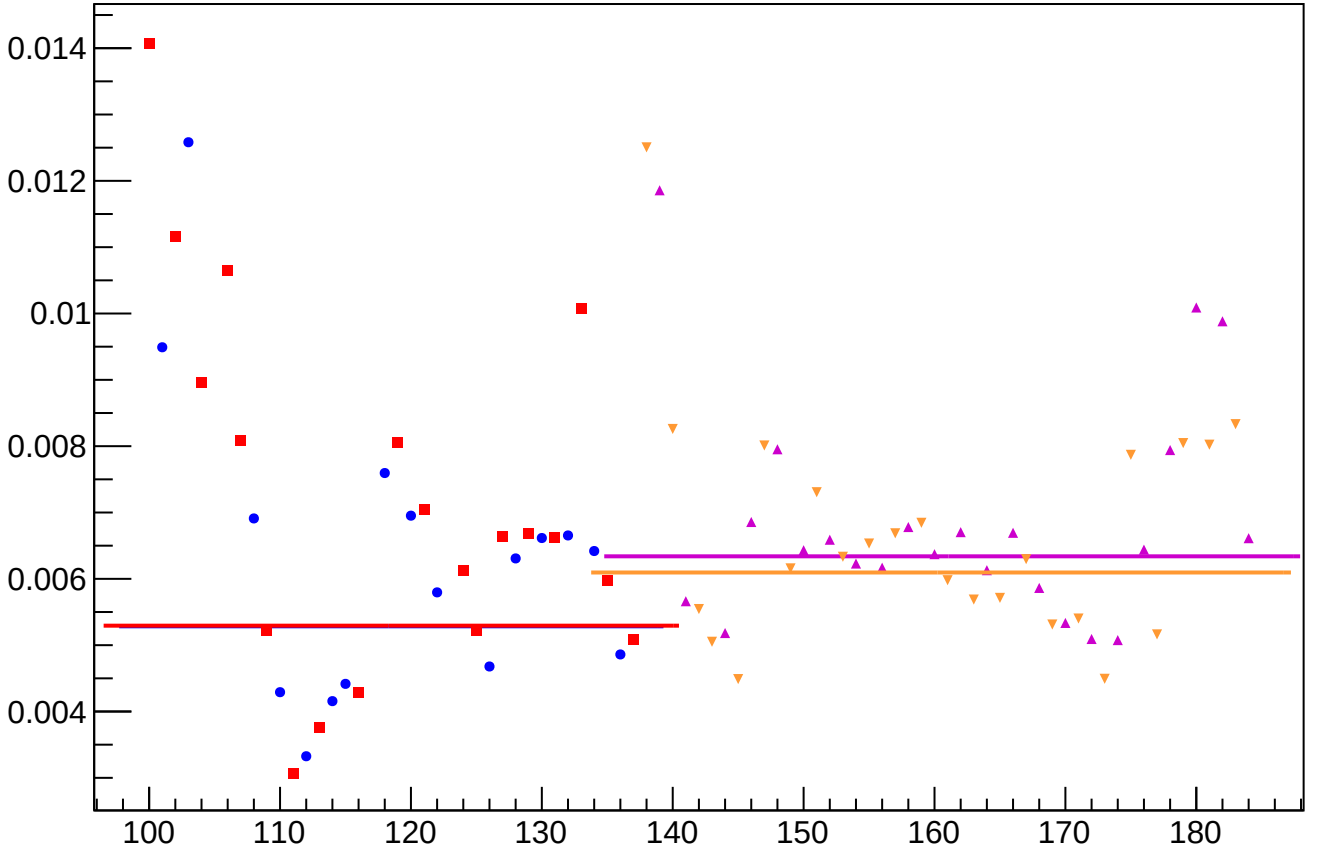
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.356+/-0.000 χ^2/NDF:227490861364.2/38

Out: 9.353+/-0.000 χ^2/NDF:268022327878.6/42

All: 9.354+/-0.000 χ^2/NDF: 495515959344.4

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:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2606302.1/46

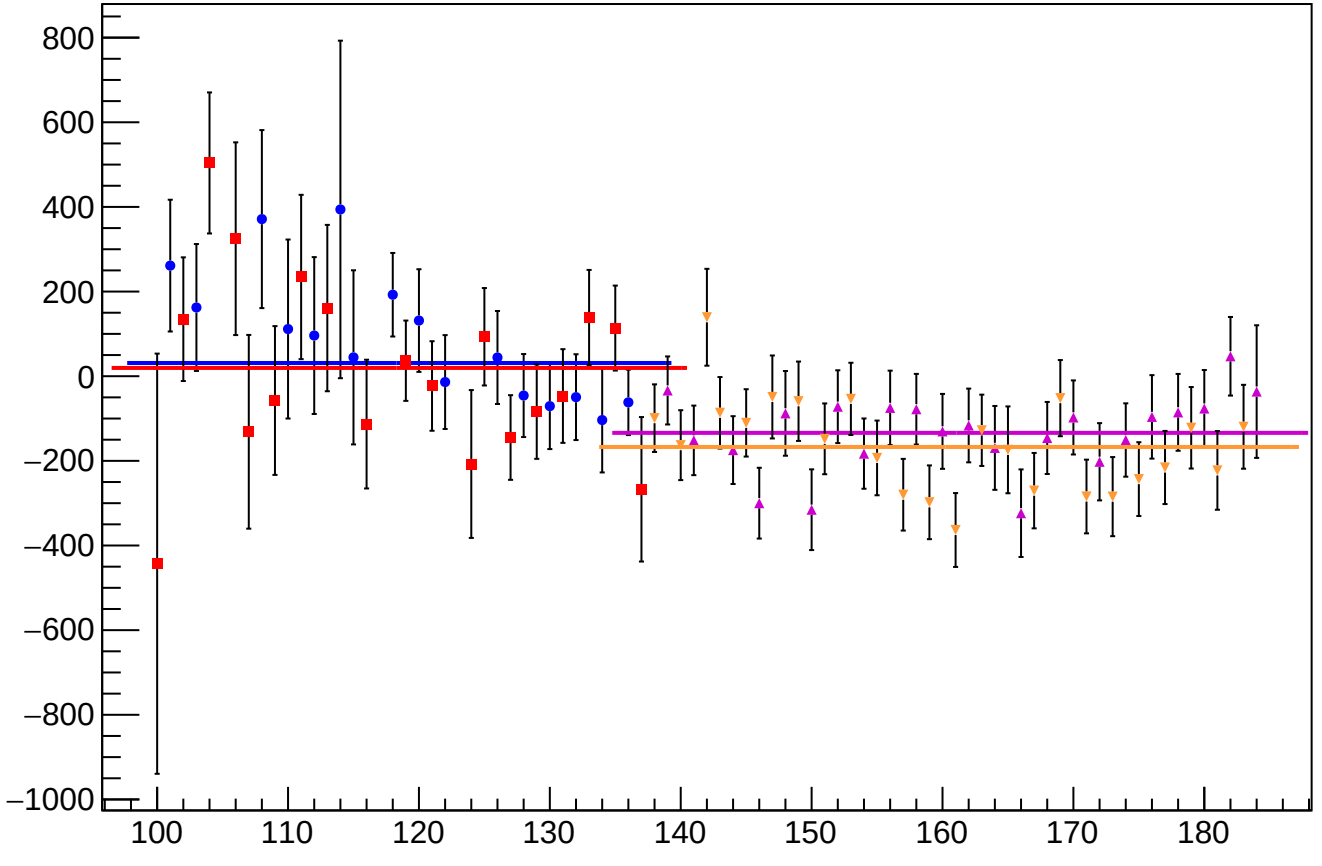
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2730086.5/38

Out: 0.006+/-0.000 χ^2/NDF:3370871.1/42

All: 0.006+/-0.000 χ^2/NDF: 6112066.0/81

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: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -151.032+/-13.050 χ^2/NDF: 53.9/46

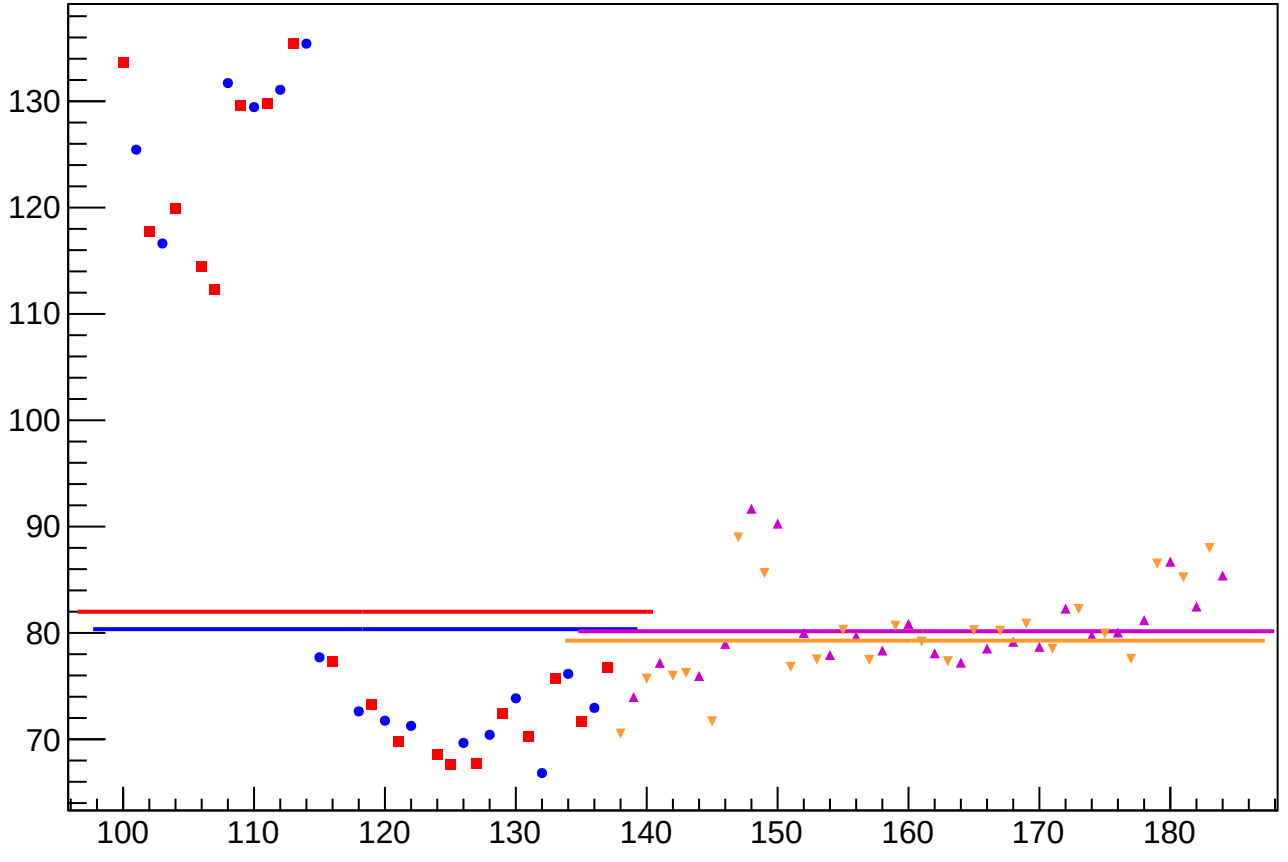
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -89.155+/-16.017 χ^2/NDF:56.8/38

Out: -119.554+/-15.682 χ^2/NDF:84.4/42

All: -104.676+/-11.206 χ^2/NDF: 143.0/81

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: 80.160+/-0.013 χ^2/NDF:91469.5/22

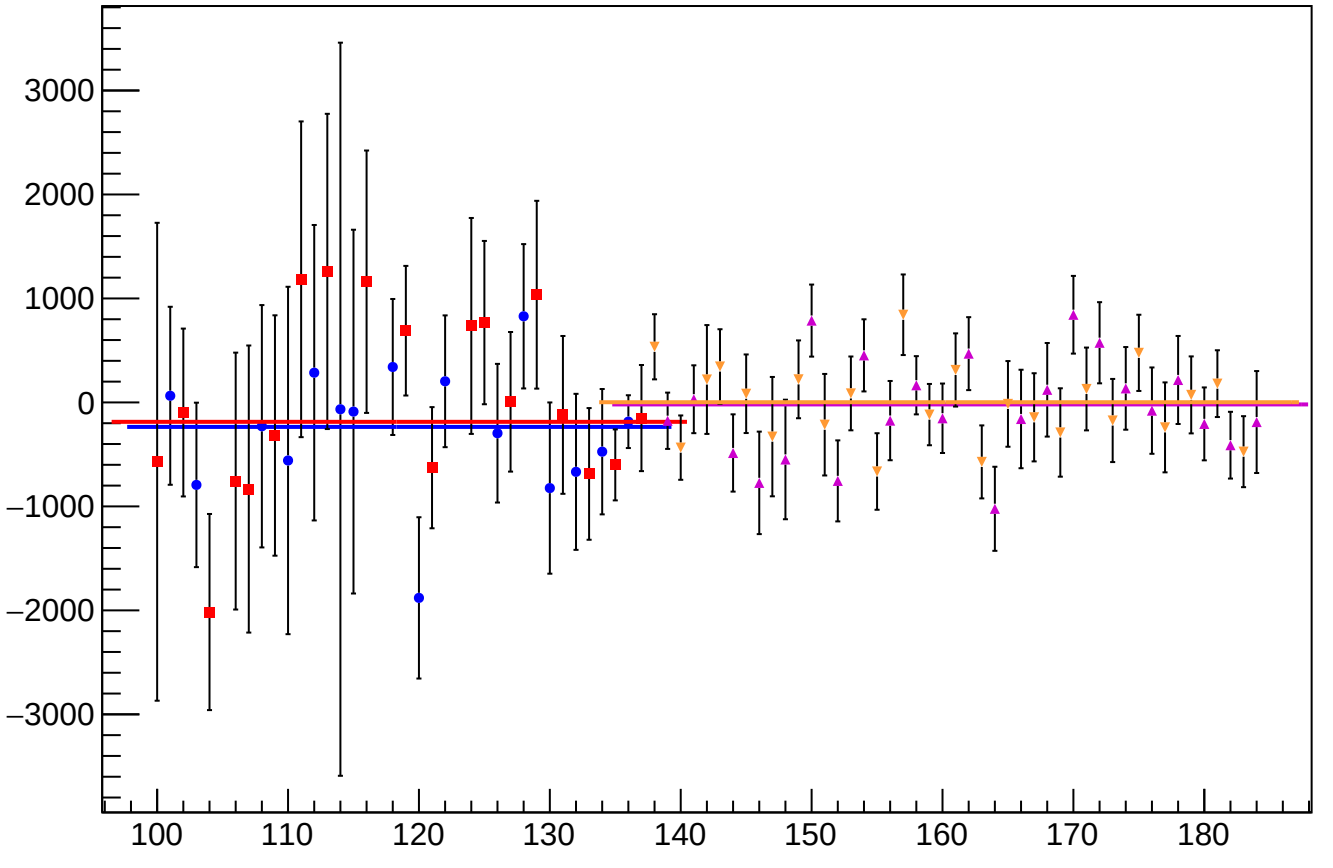
Left: 79.704+/-0.009 χ^2/NDF: 217241.5/46

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 80.213+/-0.011 χ^2/NDF:931566.9/38

Out: 79.968+/-0.011 χ^2/NDF:1067222.7/42

All: 80.088+/-0.008 χ^2/NDF: 1999027.6/81



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: -19.298+/-77.541 χ^2/NDF:35.0/22

Left: -8.523+/-54.446 χ^2/NDF: 58.8/46

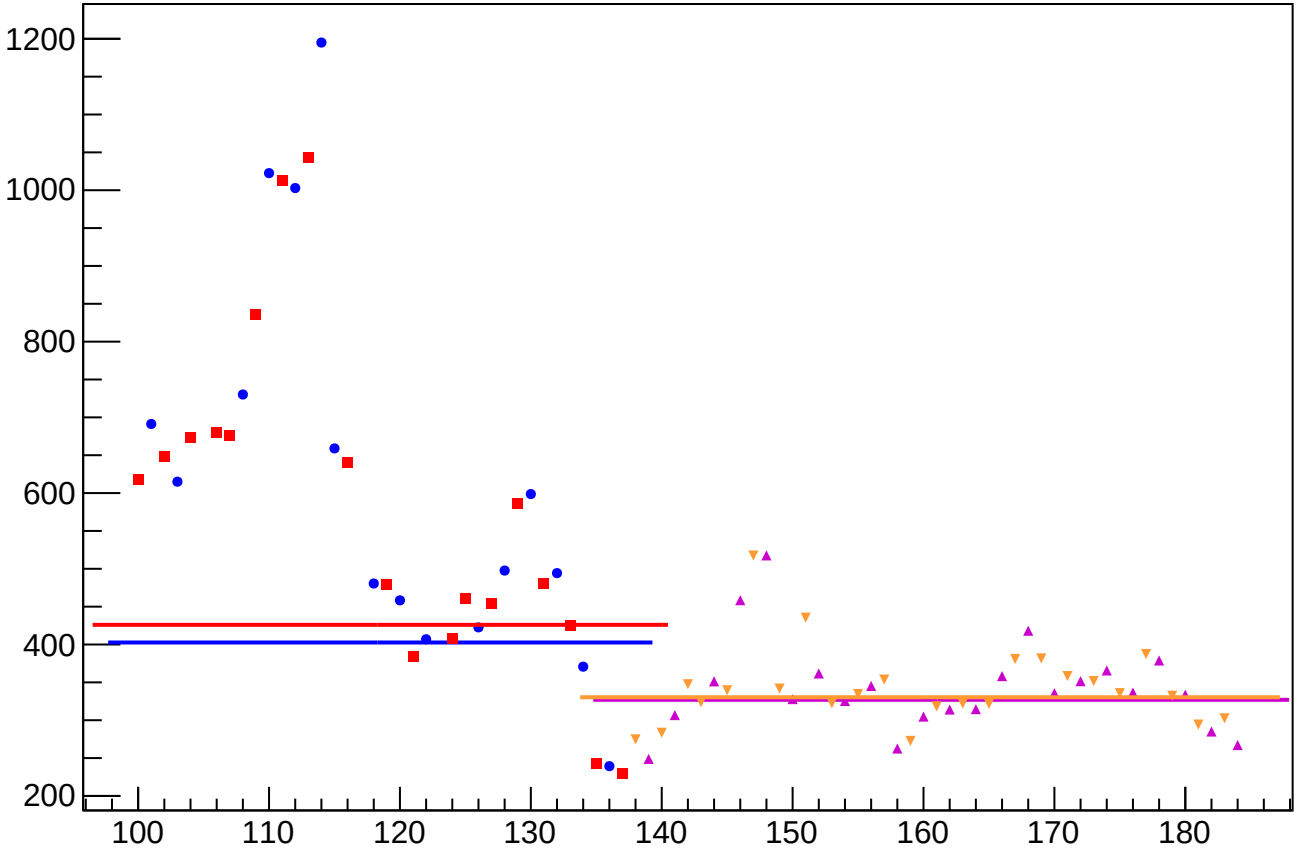
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -58.896+/-70.082 χ^2/NDF:46.4/38

Out: -29.654+/-69.765 χ^2/NDF:40.7/42

All: -44.209+/-49.443 χ^2/NDF: 87.2/81

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: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.668+/-0.038 χ^2/NDF: 1557693.3/46

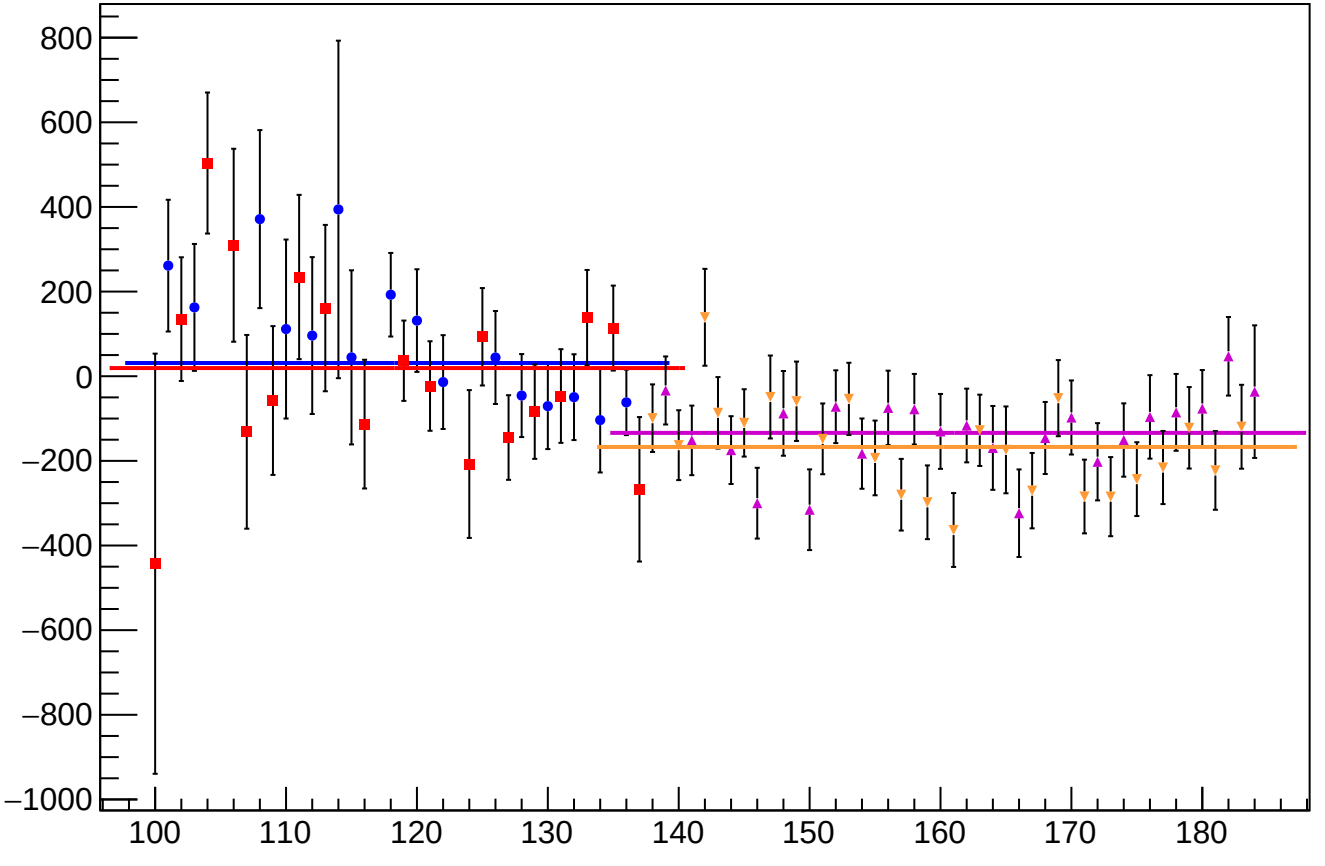
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 340.825+/-0.050 χ^2/NDF:3608452.1/38

Out: 346.360+/-0.049 χ^2/NDF:3549870.0/42

All: 343.605+/-0.035 χ^2/NDF: 7164588.3/81

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: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -151.034+/-13.050 χ^2/NDF: 53.9/46

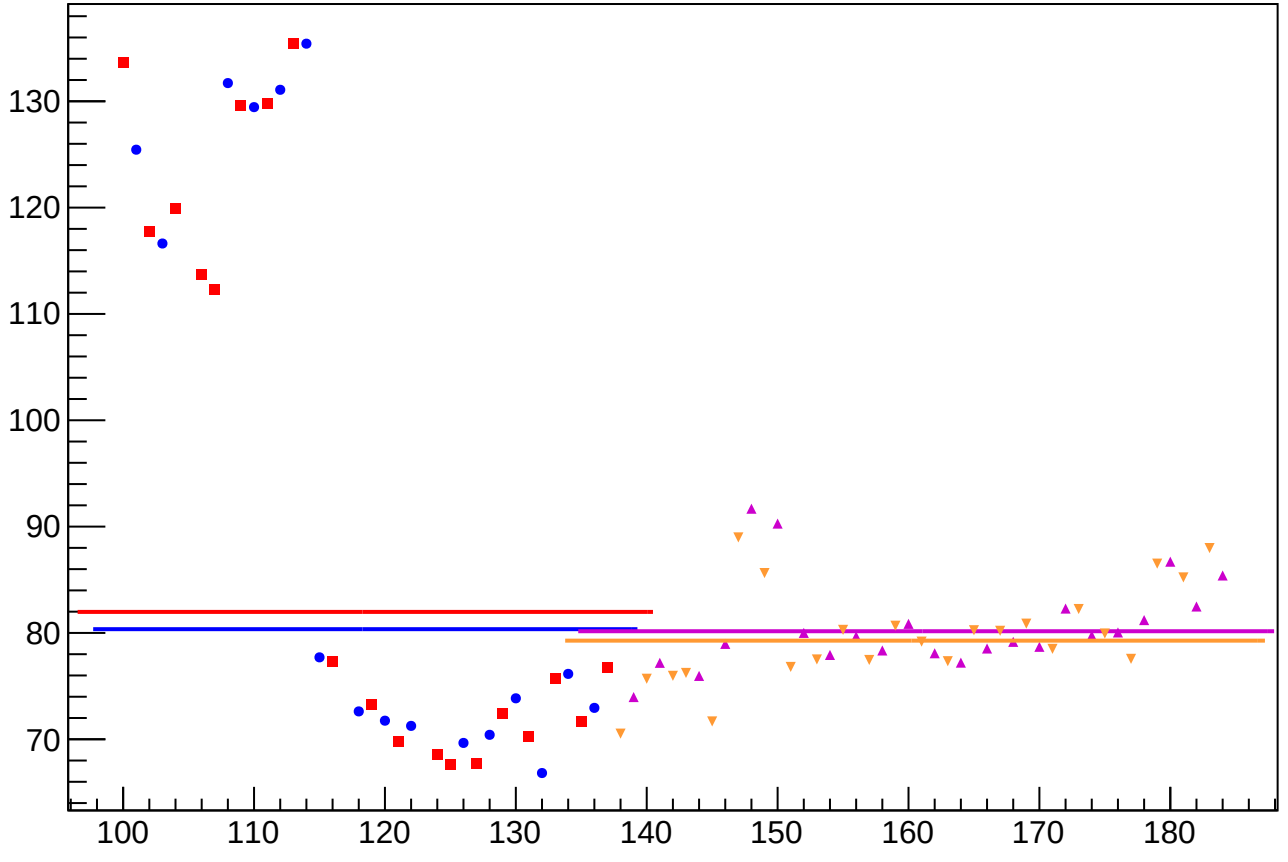
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -89.157+/-16.017 χ^2/NDF:56.8/38

Out: -119.629+/-15.682 χ^2/NDF:84.1/42

All: -104.715+/-11.206 χ^2/NDF: 142.8/81

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: 80.160+/-0.013 χ^2/NDF:91469.5/22

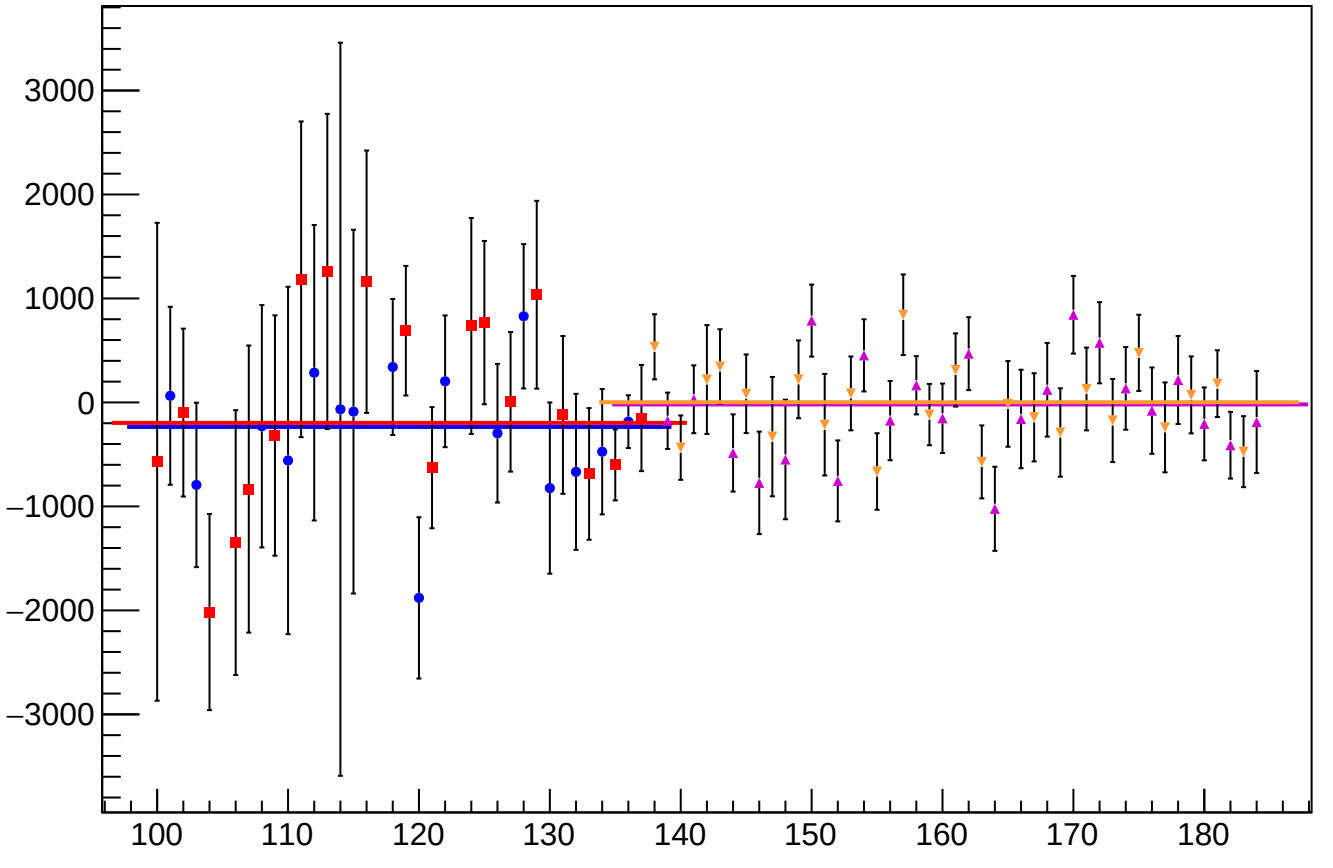
Left: 79.704+/-0.009 χ^2/NDF: 217241.6/46

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.213+/-0.011 χ^2/NDF:931567.1/38

Out: 79.964+/-0.011 χ^2/NDF:1065225.1/42

All: 80.086+/-0.008 χ^2/NDF: 1997037.8/81



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: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -8.525+/-54.446 χ^2/NDF: 58.8/46

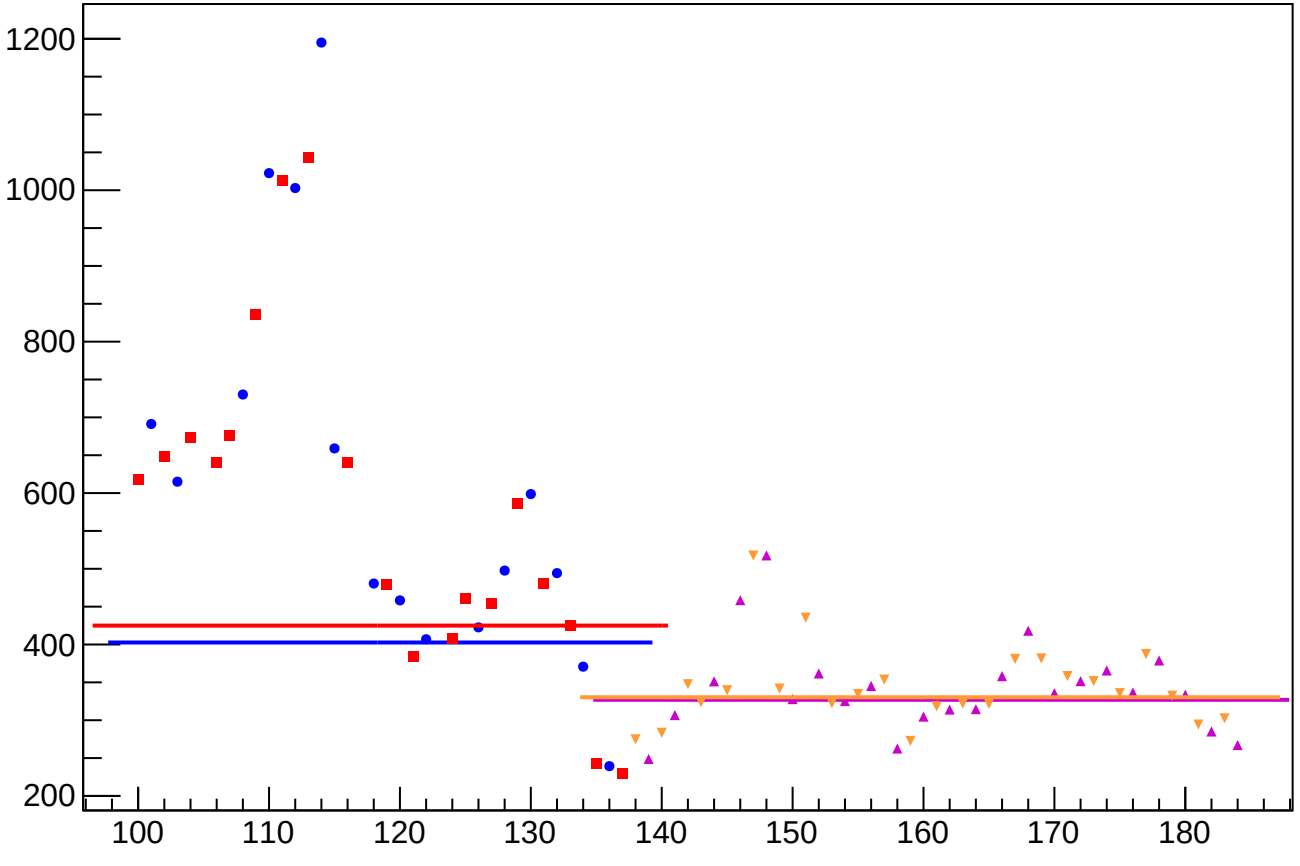
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -58.901+/-70.082 χ^2/NDF:46.4/38

Out: -31.292+/-69.771 χ^2/NDF:41.4/42

All: -45.035+/-49.445 χ^2/NDF: 87.9/81

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: 326.963+/-0.055 χ^2/NDF:899329.3/22

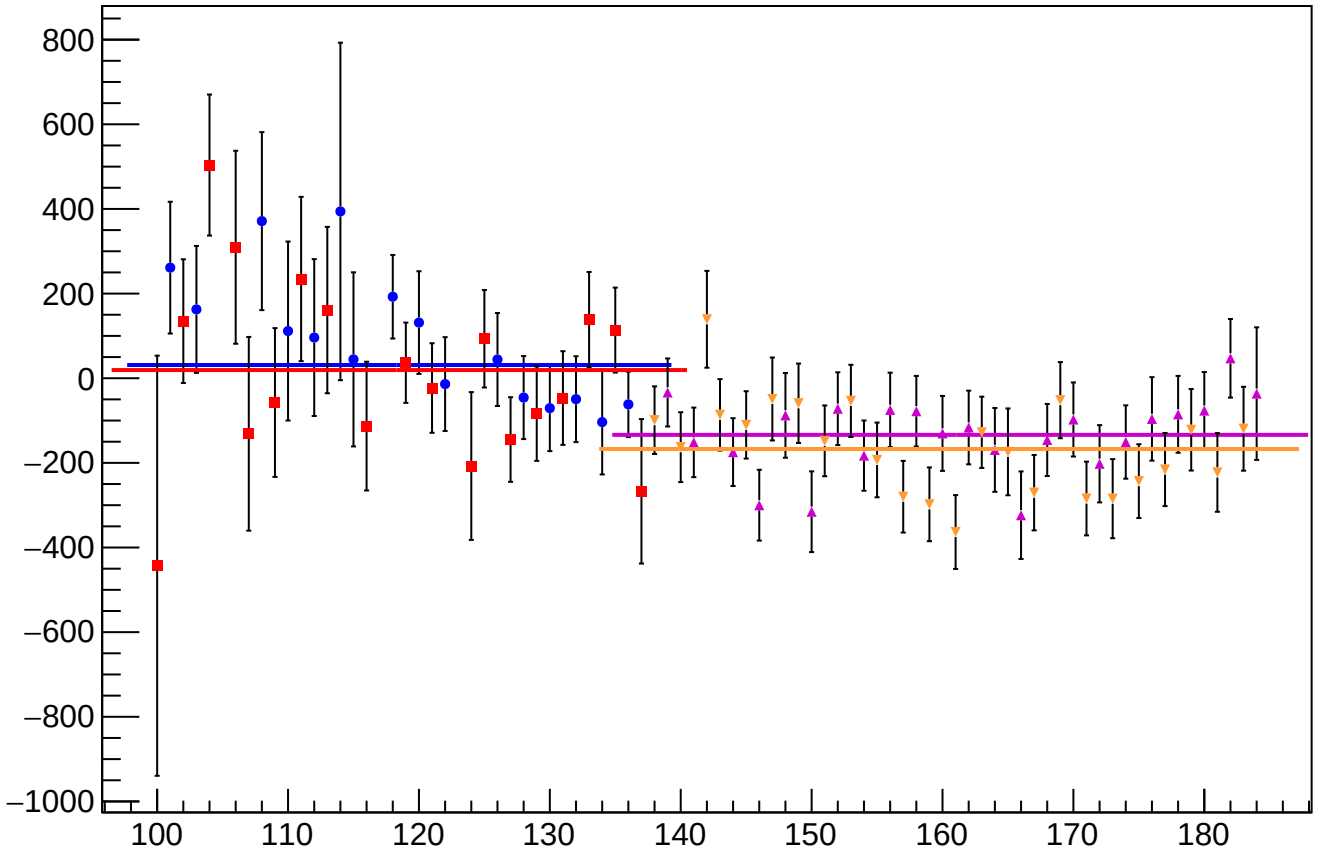
Left: 328.668+/-0.038 χ^2/NDF: 1557704.7/46

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 340.826+/-0.050 χ^2/NDF:3608452.4/38

Out: 346.179+/-0.049 χ^2/NDF:3510798.3/42

All: 343.514+/-0.035 χ^2/NDF: 7125111.9/81



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: -133.850+/-18.756 χ^2/NDF:20.7/22

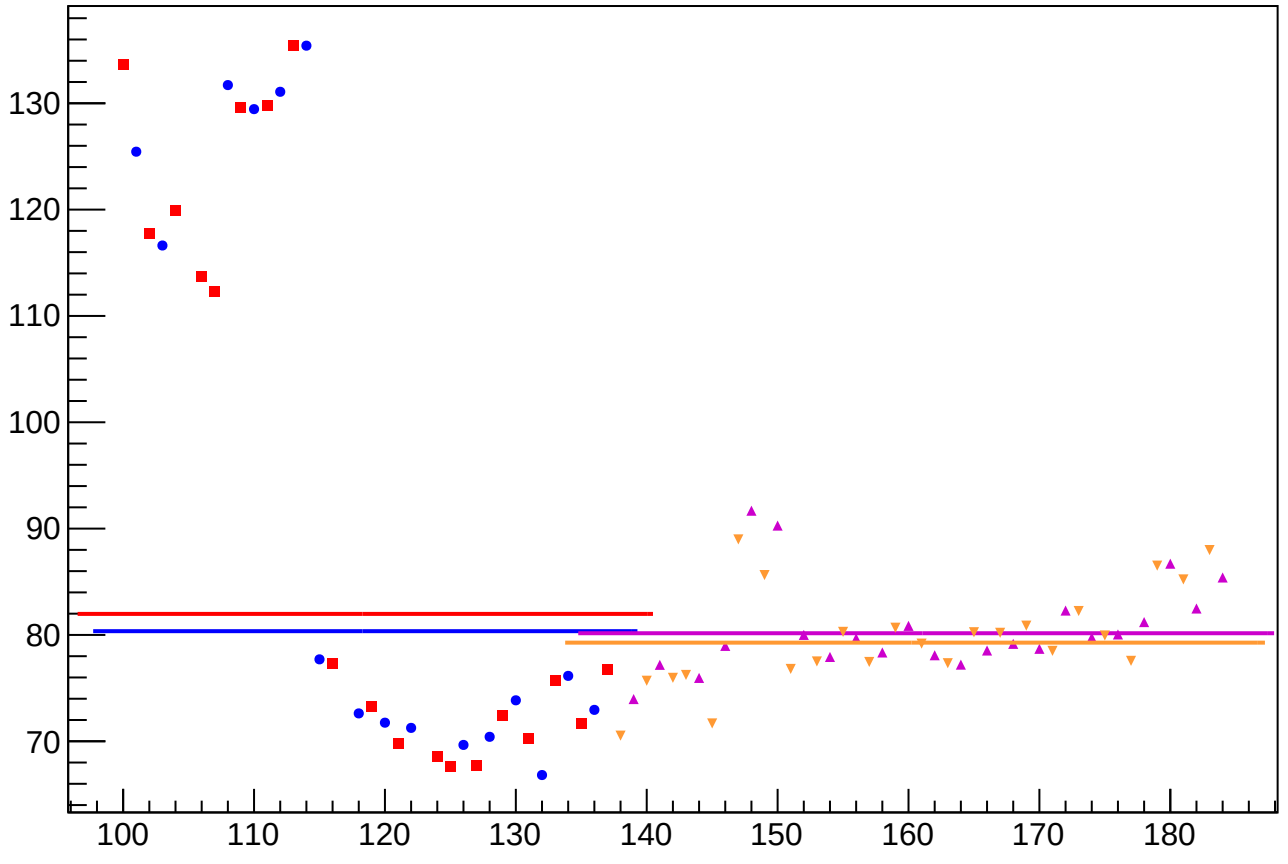
Left: -151.034+/-13.050 χ^2/NDF: 53.9/46

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -89.157+/-16.017 χ^2/NDF:56.8/38

Out: -119.629+/-15.682 χ^2/NDF:84.1/42

All: -104.715+/-11.206 χ^2/NDF: 142.8/81



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: 80.160+/-0.013 χ^2/NDF:91469.5/22

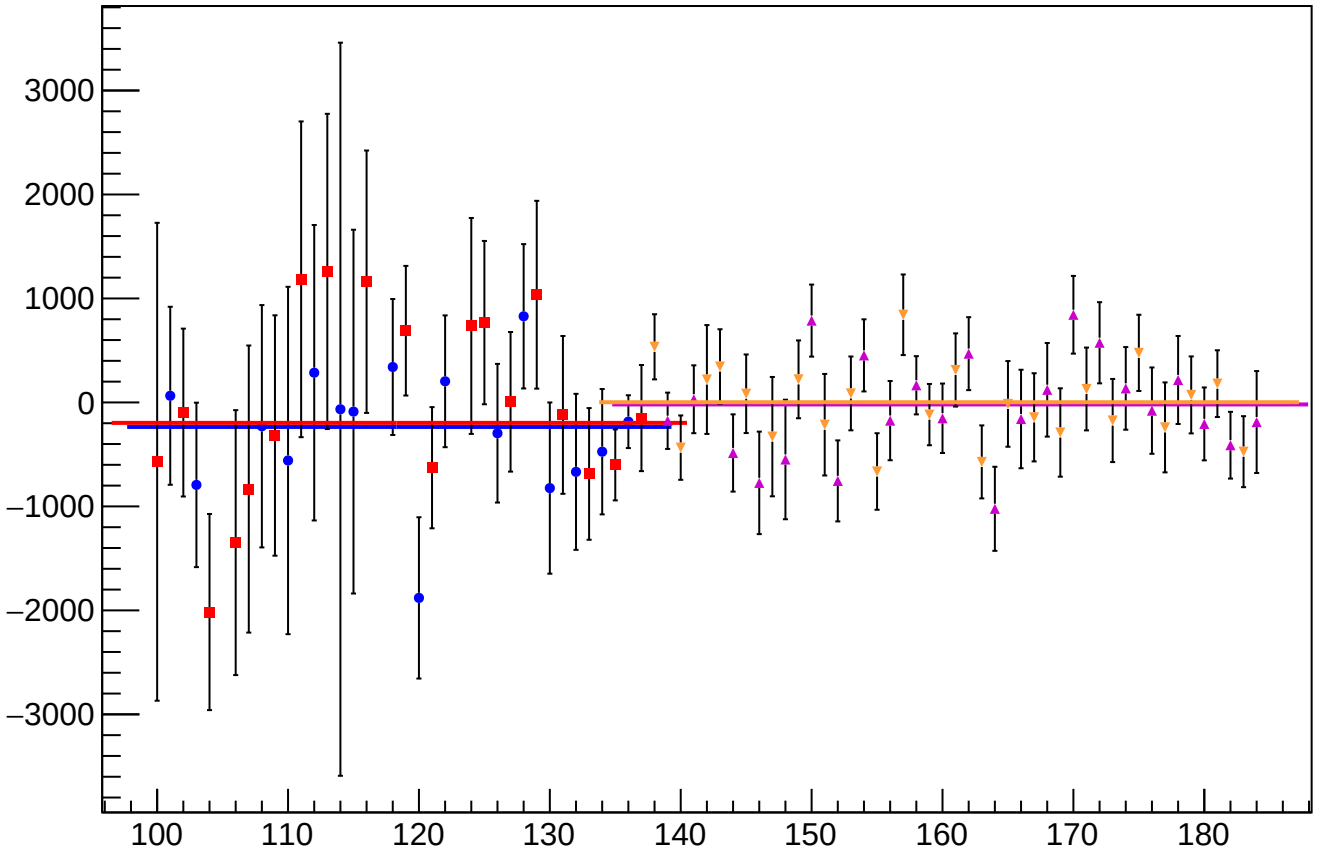
Left: 79.704+/-0.009 χ^2/NDF: 217241.6/46

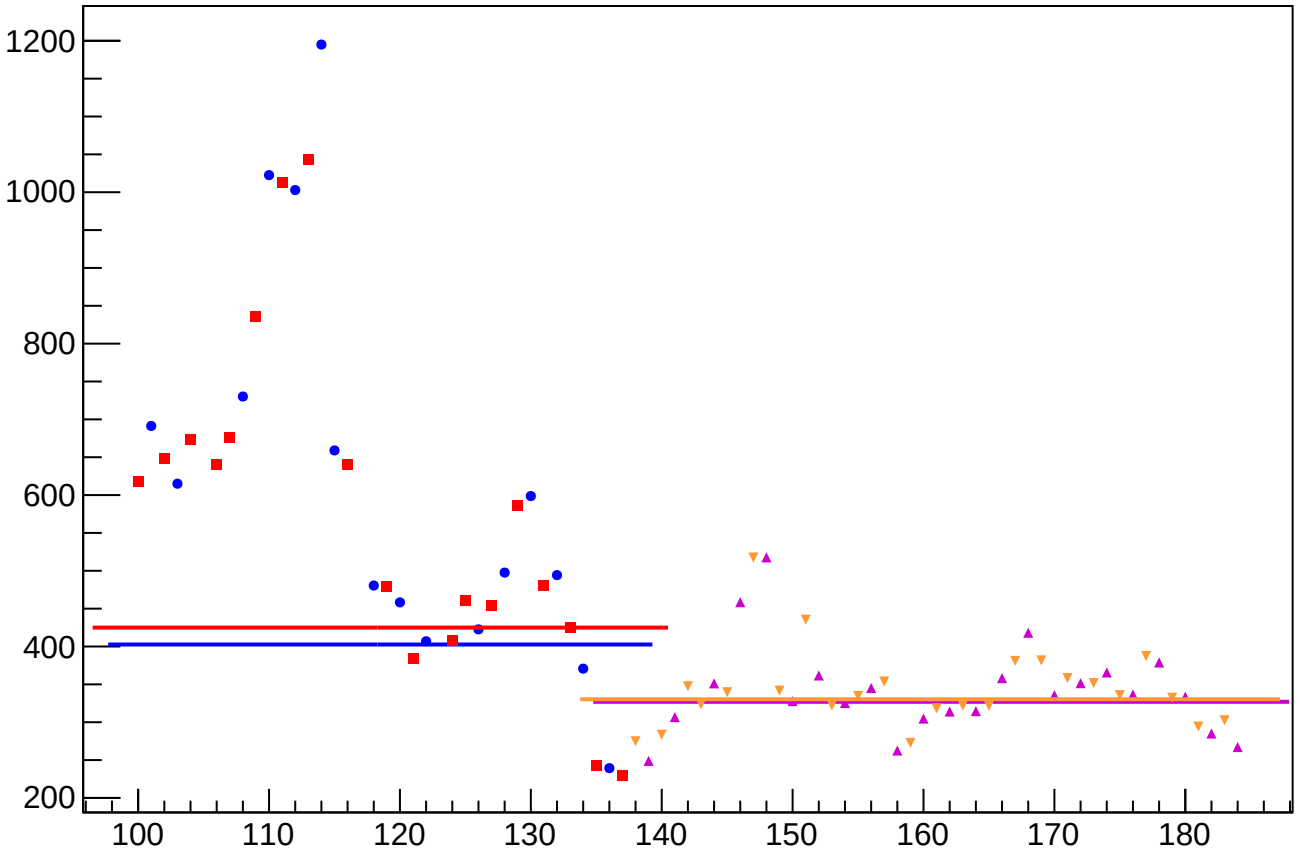
Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.213+/-0.011 χ^2/NDF:931567.1/38

Out: 79.964+/-0.011 χ^2/NDF:1065225.1/42

All: 80.086+/-0.008 χ^2/NDF: 1997037.8/81


asym_sam1_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: -235.519+/-163.765 χ²/NDF: 9.9/15
Left Out: 1.958+/-76.468 χ²/NDF:23.7/23
Right Out: -196.579+/-170.492 χ²/NDF: 16.6/18
Left In: -19.305+/-77.541 χ²/NDF:35.0/22
Left: -8.525+/-54.446 χ²/NDF: 58.8/46
Right: -216.832+/-118.106 χ²/NDF: 26.5/34
In: -58.901+/-70.082 χ²/NDF:46.4/38
Out: -31.292+/-69.771 χ²/NDF:41.4/42
All: -45.035+/-49.445 χ²/NDF: 87.9/81



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: 326.963+/-0.055 χ^2/NDF:899329.3/22

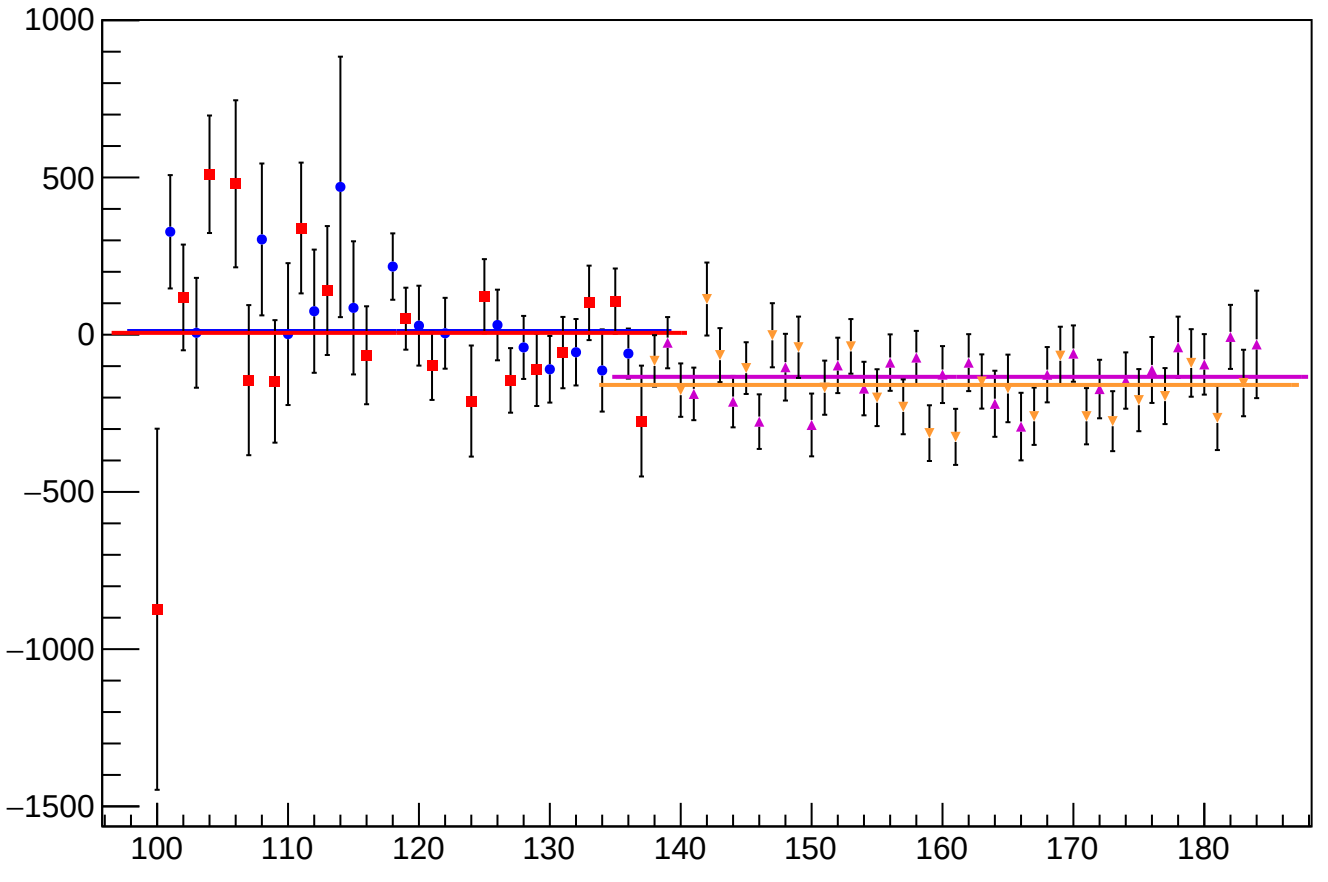
Left: 328.668+/-0.038 χ^2/NDF: 1557704.7/46

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 340.826+/-0.050 χ^2/NDF:3608452.4/38

Out: 346.179+/-0.049 χ^2/NDF:3510798.3/42

All: 343.514+/-0.035 χ^2/NDF: 7125111.9/81



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: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.278+/-13.531 χ^2/NDF: 45.4/46

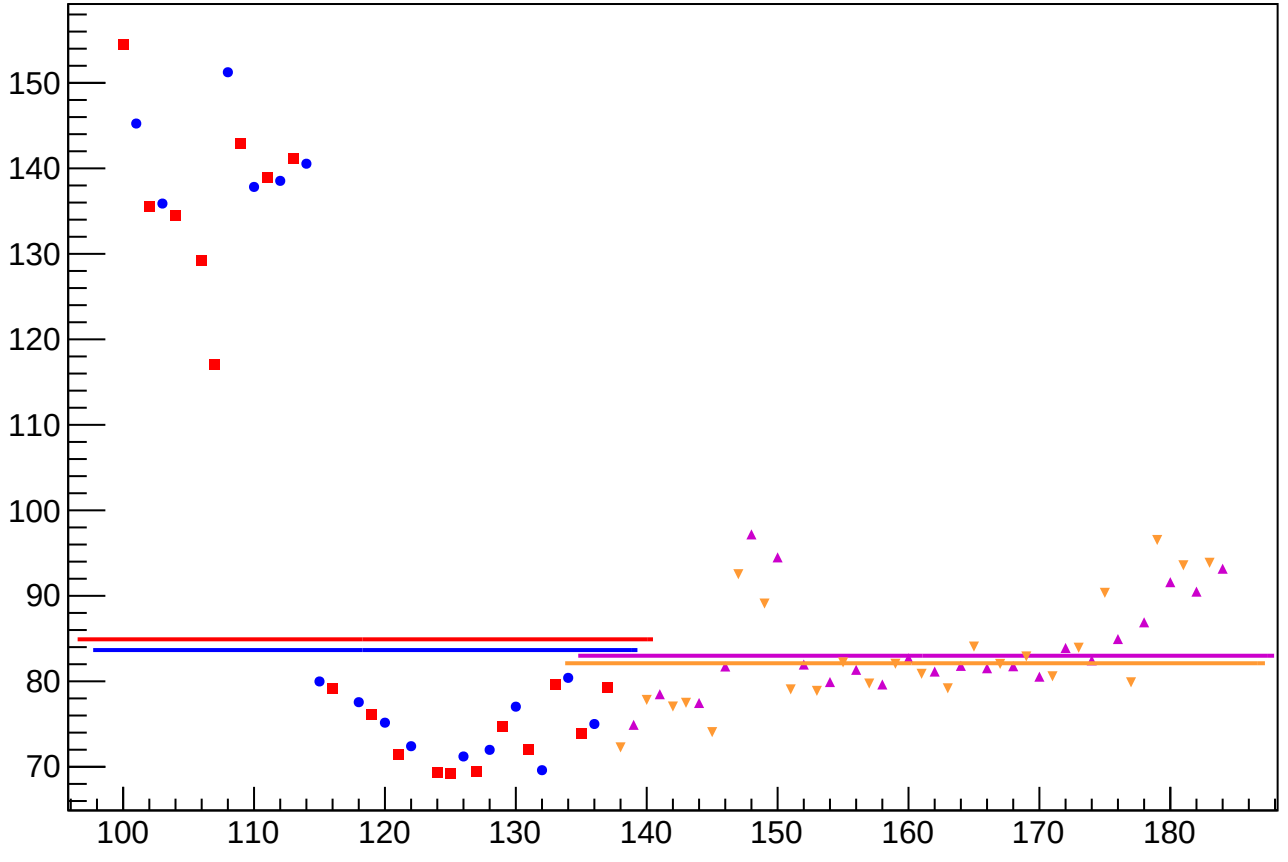
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -95.270+/-16.656 χ^2/NDF:44.9/38

Out: -117.979+/-16.295 χ^2/NDF:76.3/42

All: -106.874+/-11.648 χ^2/NDF: 122.2/81

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: 82.993+/-0.014 χ^2/NDF:145608.6/22

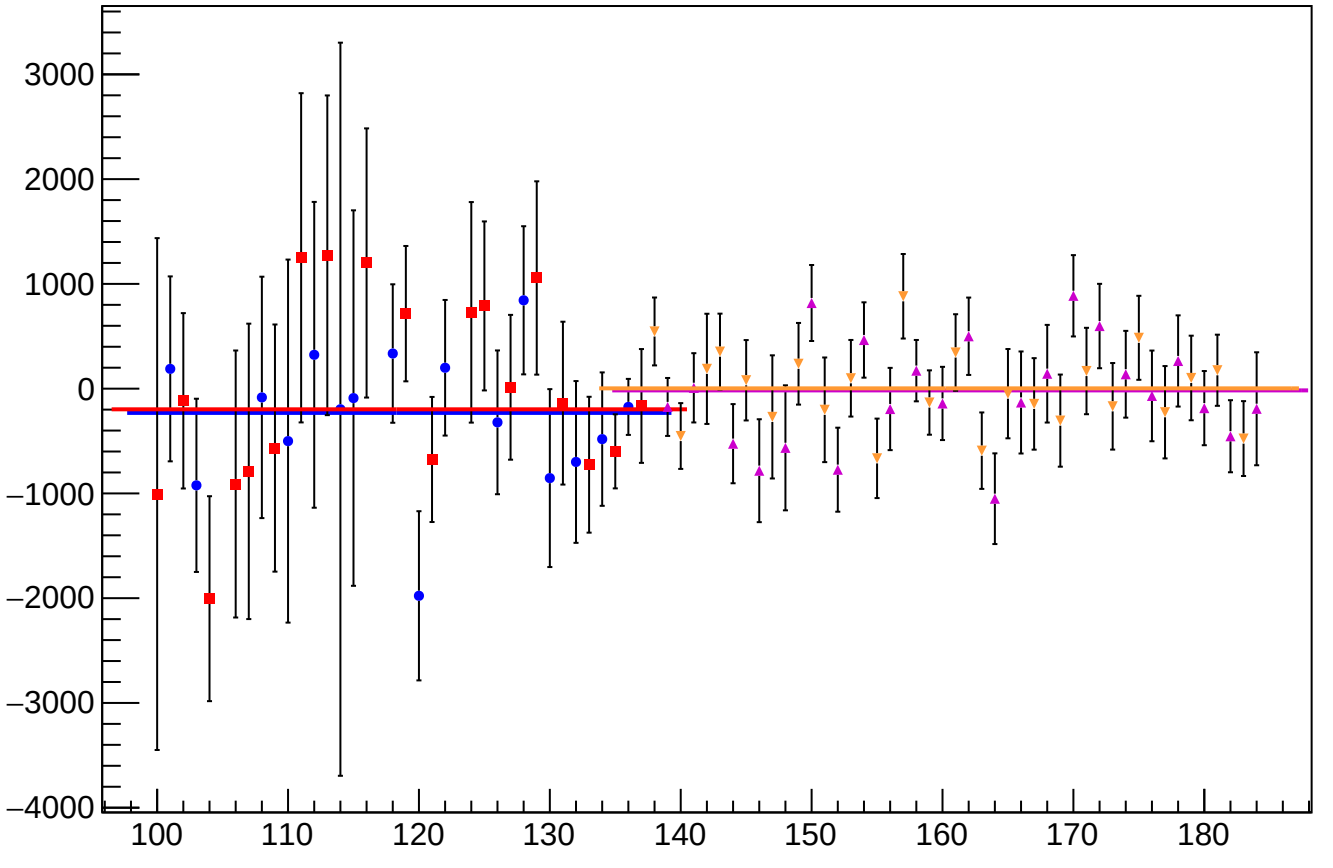
Left: 82.540+/-0.010 χ^2/NDF: 354299.0/46

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 83.170+/-0.012 χ^2/NDF:1181023.7/38

Out: 82.820+/-0.012 χ^2/NDF:1339382.1/42

All: 82.991+/-0.008 χ^2/NDF: 2520855.8/81



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: -16.519+/-80.410 χ^2/NDF:34.9/22

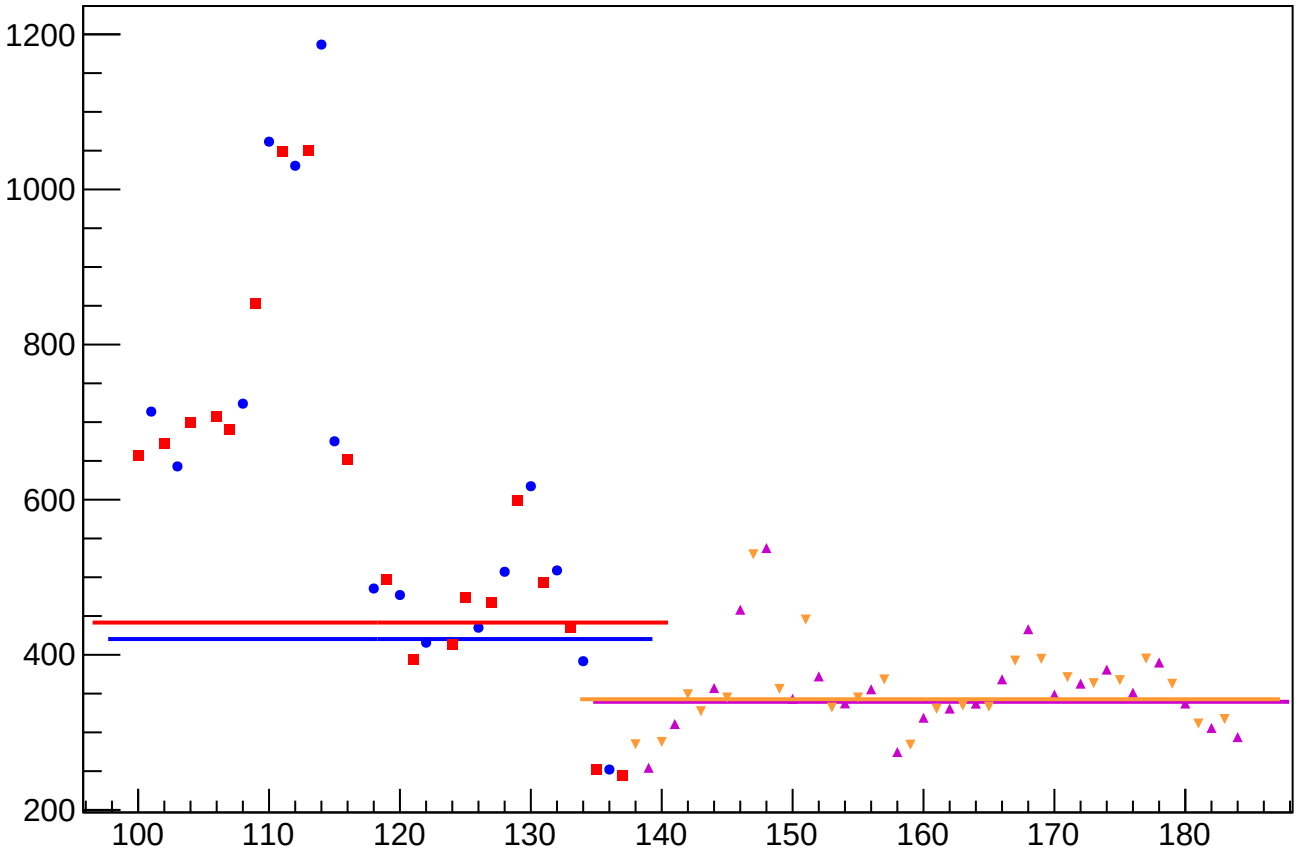
Left: -6.675+/-56.462 χ^2/NDF: 58.1/46

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -55.755+/-72.699 χ^2/NDF:46.6/38

Out: -30.842+/-72.308 χ^2/NDF:40.2/42

All: -43.231+/-51.267 χ^2/NDF: 86.8/81



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: 339.430+/-0.057 χ^2/NDF:846706.0/22

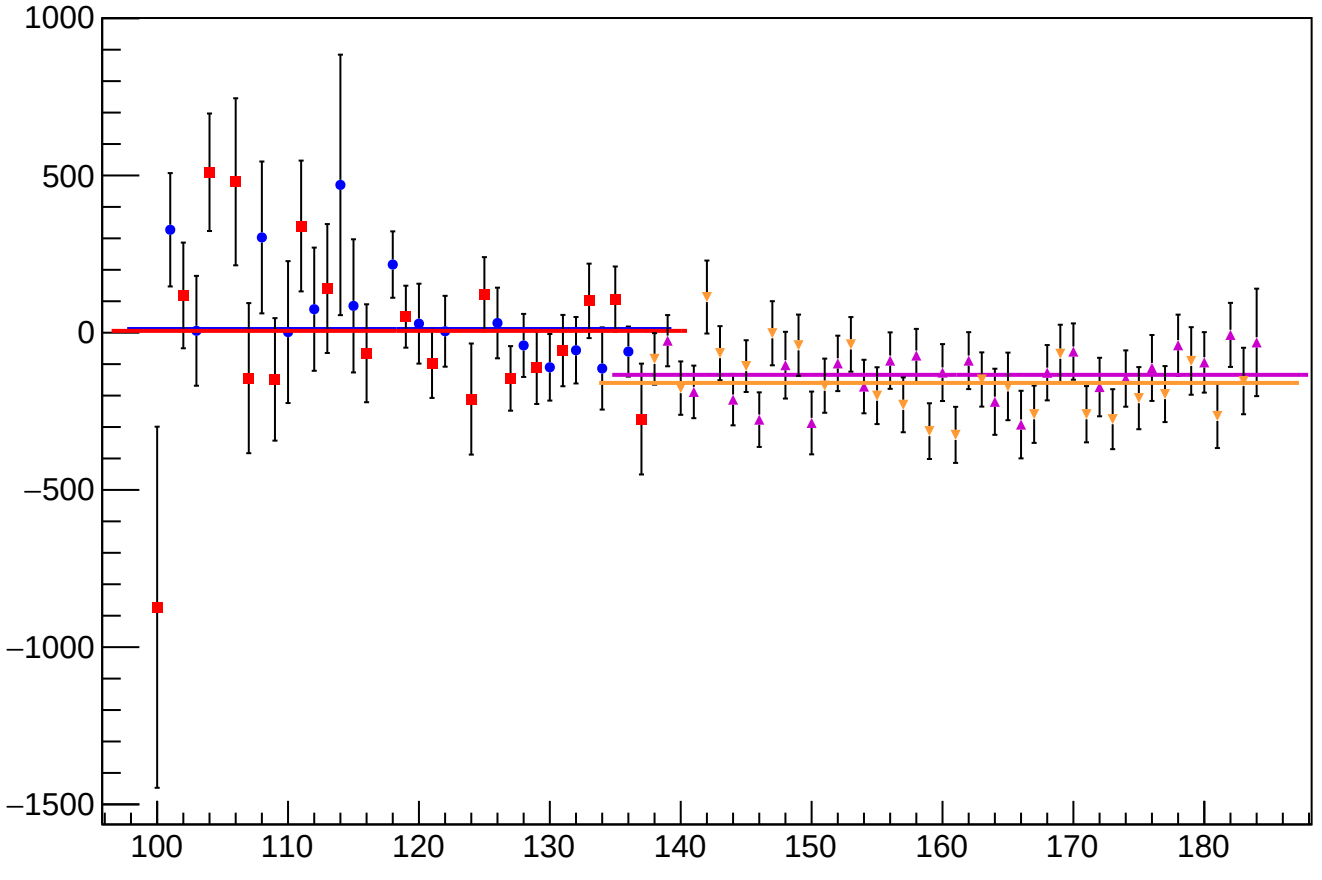
Left: 341.105+/-0.040 χ^2/NDF: 1490594.3/46

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 354.201+/-0.051 χ^2/NDF:3470962.4/38

Out: 359.405+/-0.051 χ^2/NDF:3473872.3/42

All: 356.817+/-0.036 χ^2/NDF: 6949985.4/81



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: -134.010+/-19.441 χ^2/NDF:16.4/22

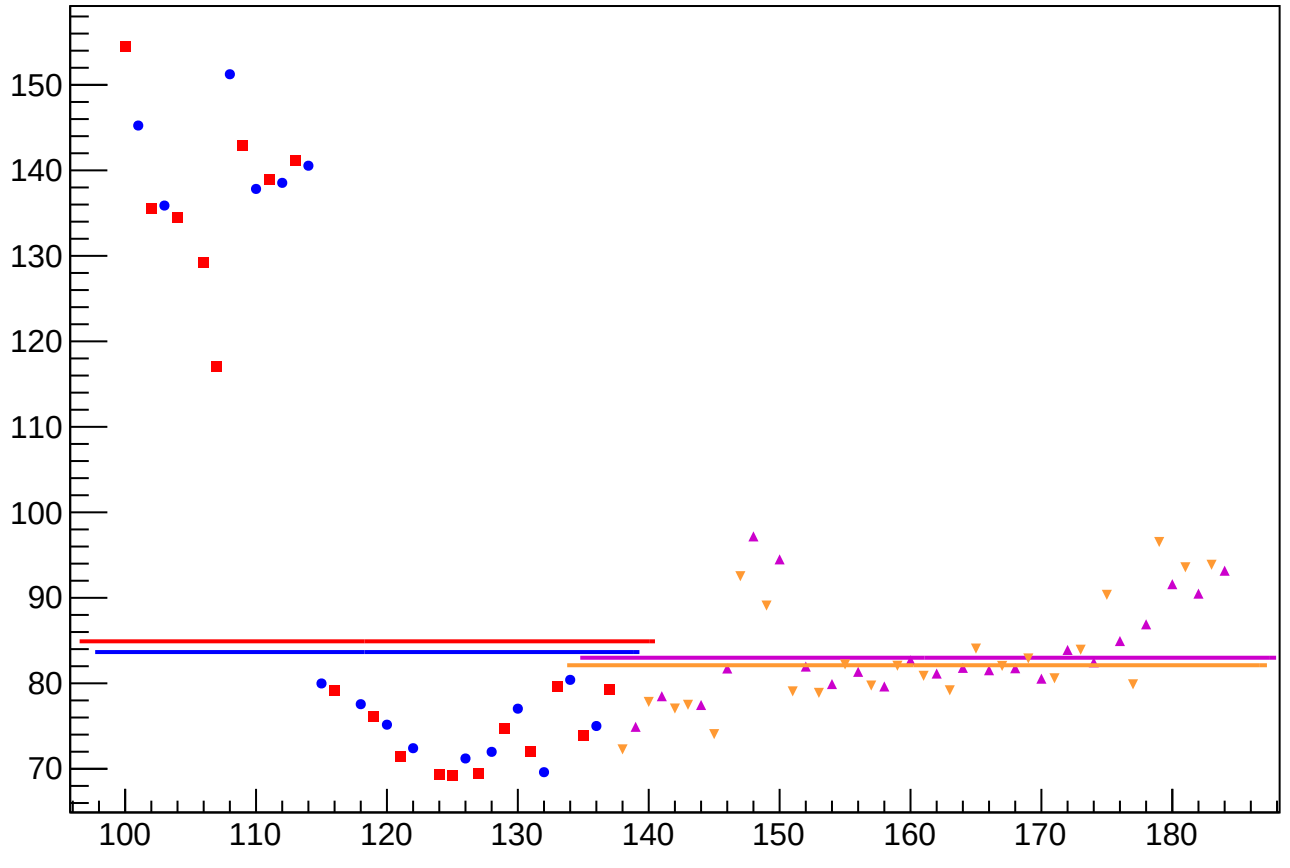
Left: -147.278+/-13.531 χ^2/NDF: 45.4/46

Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -95.269+/-16.656 χ^2/NDF:44.9/38

Out: -117.979+/-16.295 χ^2/NDF:76.3/42

All: -106.873+/-11.648 χ^2/NDF: 122.2/81



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: 82.993+/-0.014 χ^2/NDF:145607.1/22

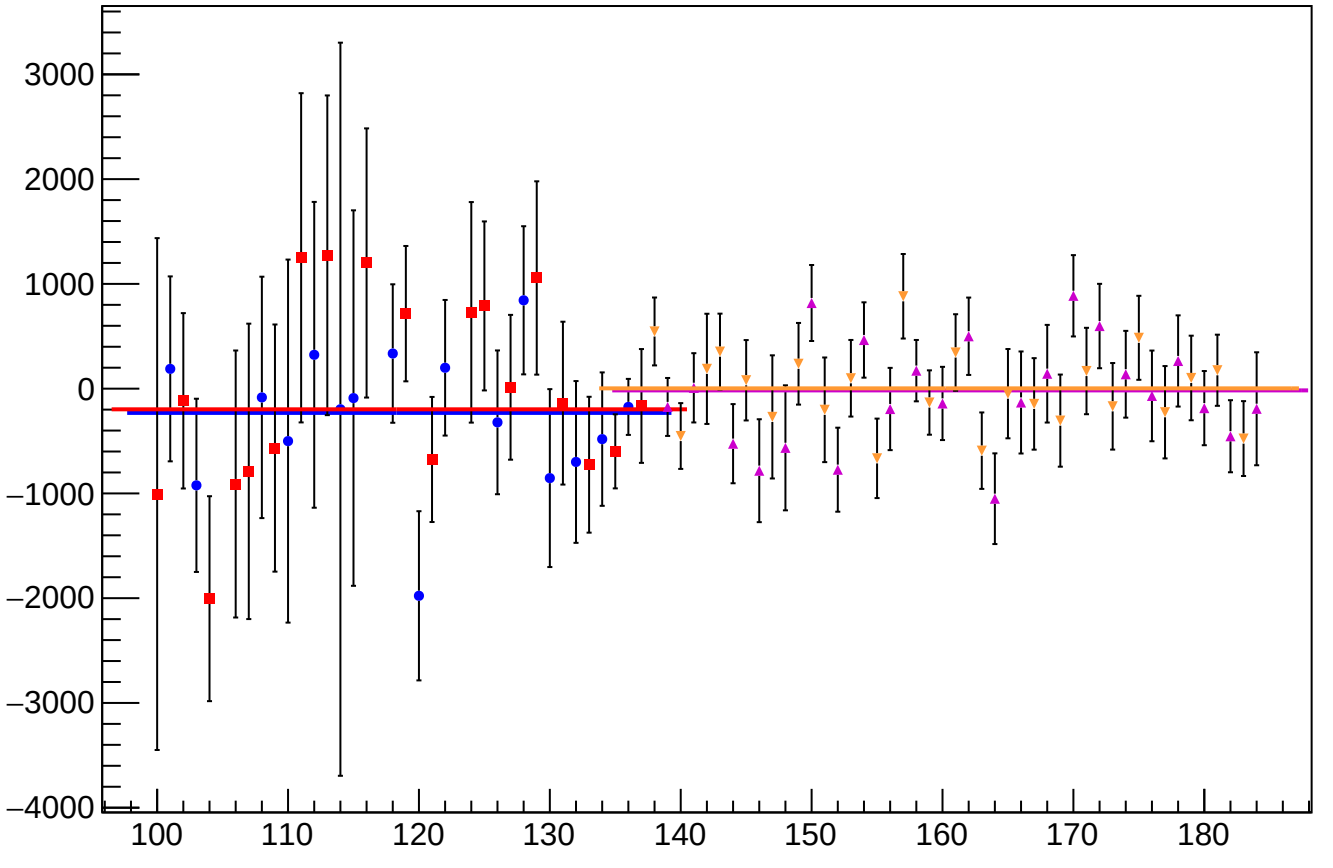
Left: 82.540+/-0.010 χ^2/NDF: 354297.6/46

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 83.170+/-0.012 χ^2/NDF:1181021.6/38

Out: 82.820+/-0.012 χ^2/NDF:1339380.8/42

All: 82.991+/-0.008 χ^2/NDF: 2520852.4/81



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: -16.519+/-80.410 χ^2/NDF:34.9/22

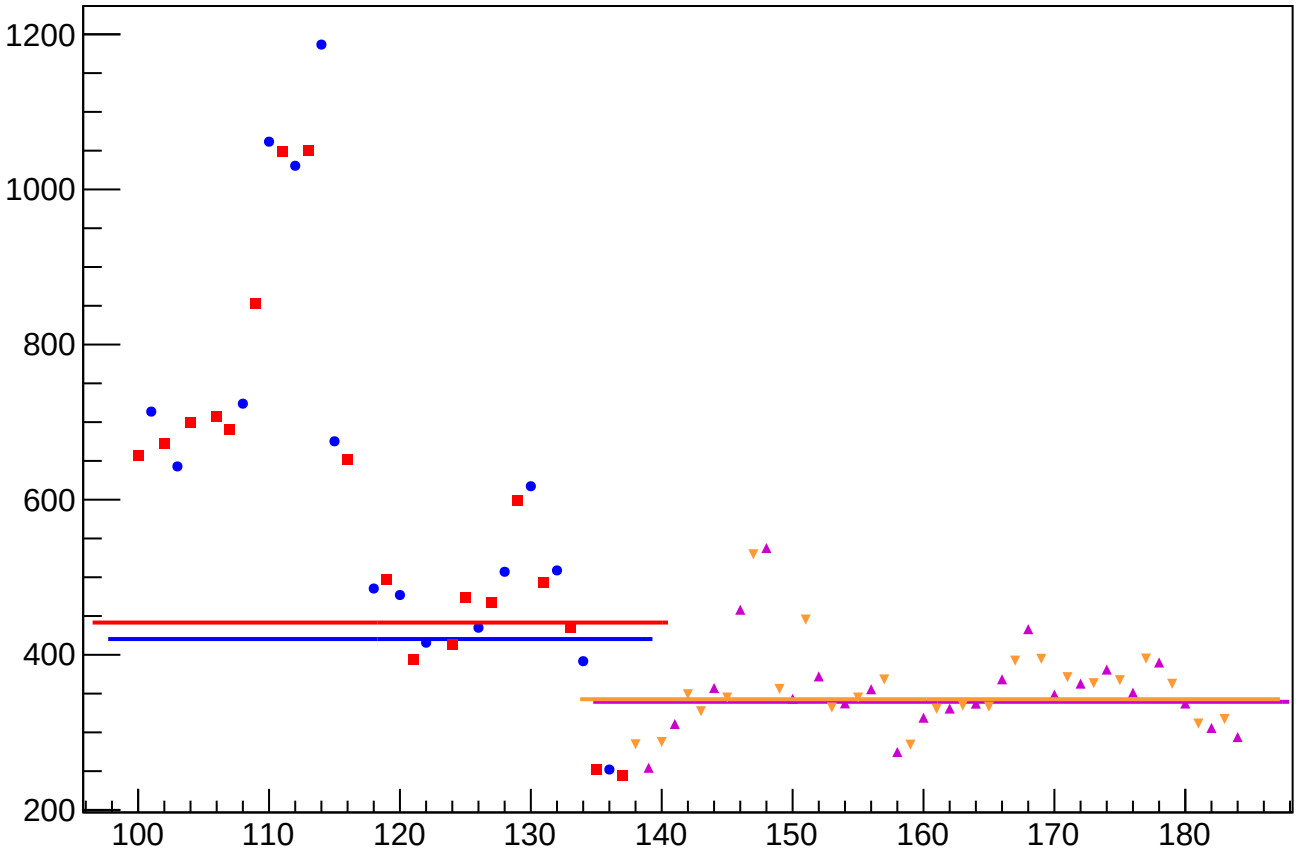
Left: -6.675+/-56.462 χ^2/NDF: 58.1/46

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -55.755+/-72.699 χ^2/NDF:46.6/38

Out: -30.842+/-72.308 χ^2/NDF:40.2/42

All: -43.231+/-51.267 χ^2/NDF: 86.8/81



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: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 341.105+/-0.040 χ^2/NDF: 1490599.0/46

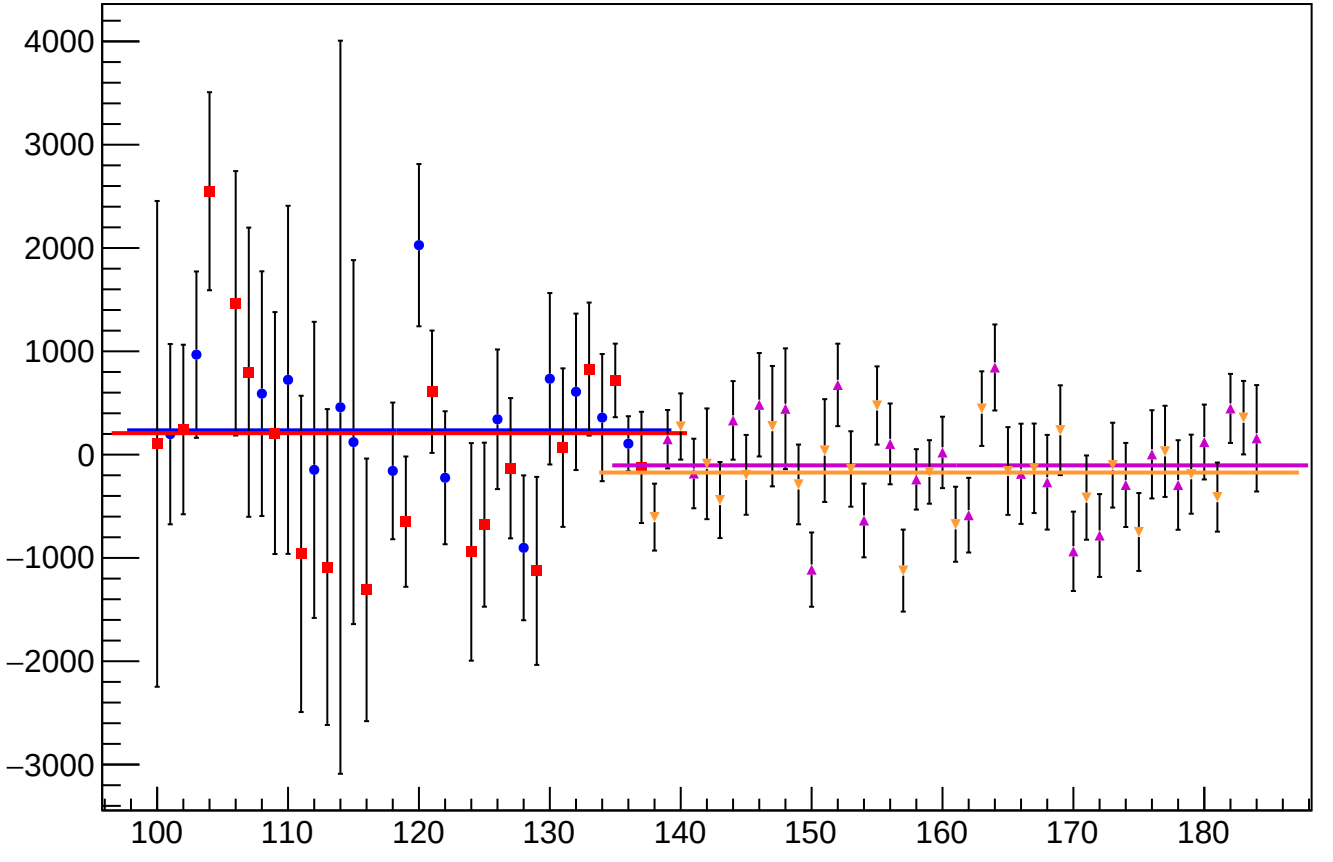
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 354.201+/-0.051 χ^2/NDF:3470966.0/38

Out: 359.404+/-0.051 χ^2/NDF:3473873.9/42

All: 356.817+/-0.036 χ^2/NDF: 6949990.8/81

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: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -139.260+/-56.132 χ^2/NDF: 63.1/46

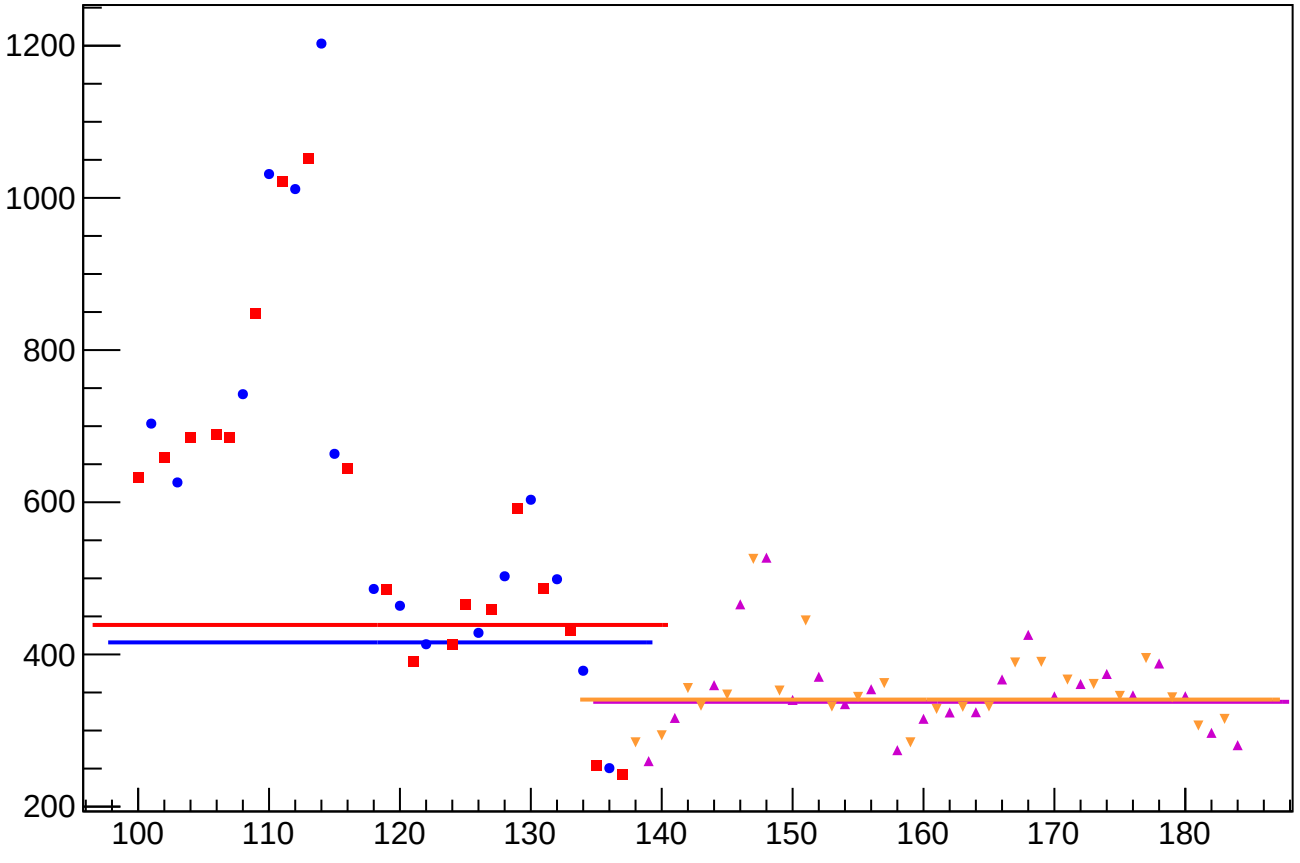
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: -41.468+/-72.241 χ^2/NDF:51.5/38

Out: -109.000+/-71.821 χ^2/NDF:49.5/42

All: -75.431+/-50.933 χ^2/NDF: 101.5/81

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: 337.759+/-0.057 χ^2/NDF:820674.4/22

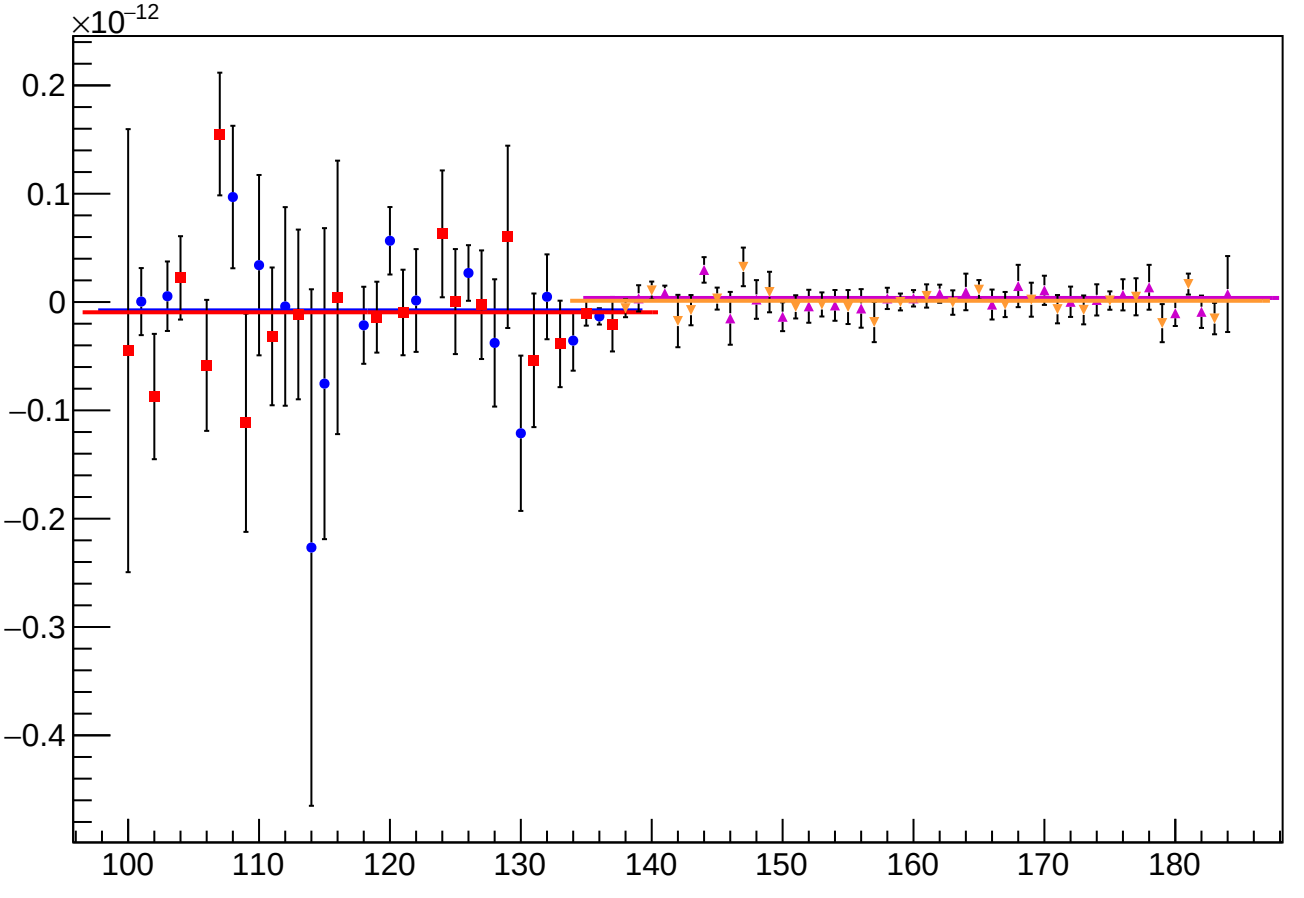
Left: 339.244+/-0.040 χ^2/NDF: 1424367.1/46

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 352.162+/-0.051 χ^2/NDF:3396113.6/38

Out: 357.260+/-0.051 χ^2/NDF:3360957.1/42

All: 354.726+/-0.036 χ^2/NDF: 6762080.0/81



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:11.9/22

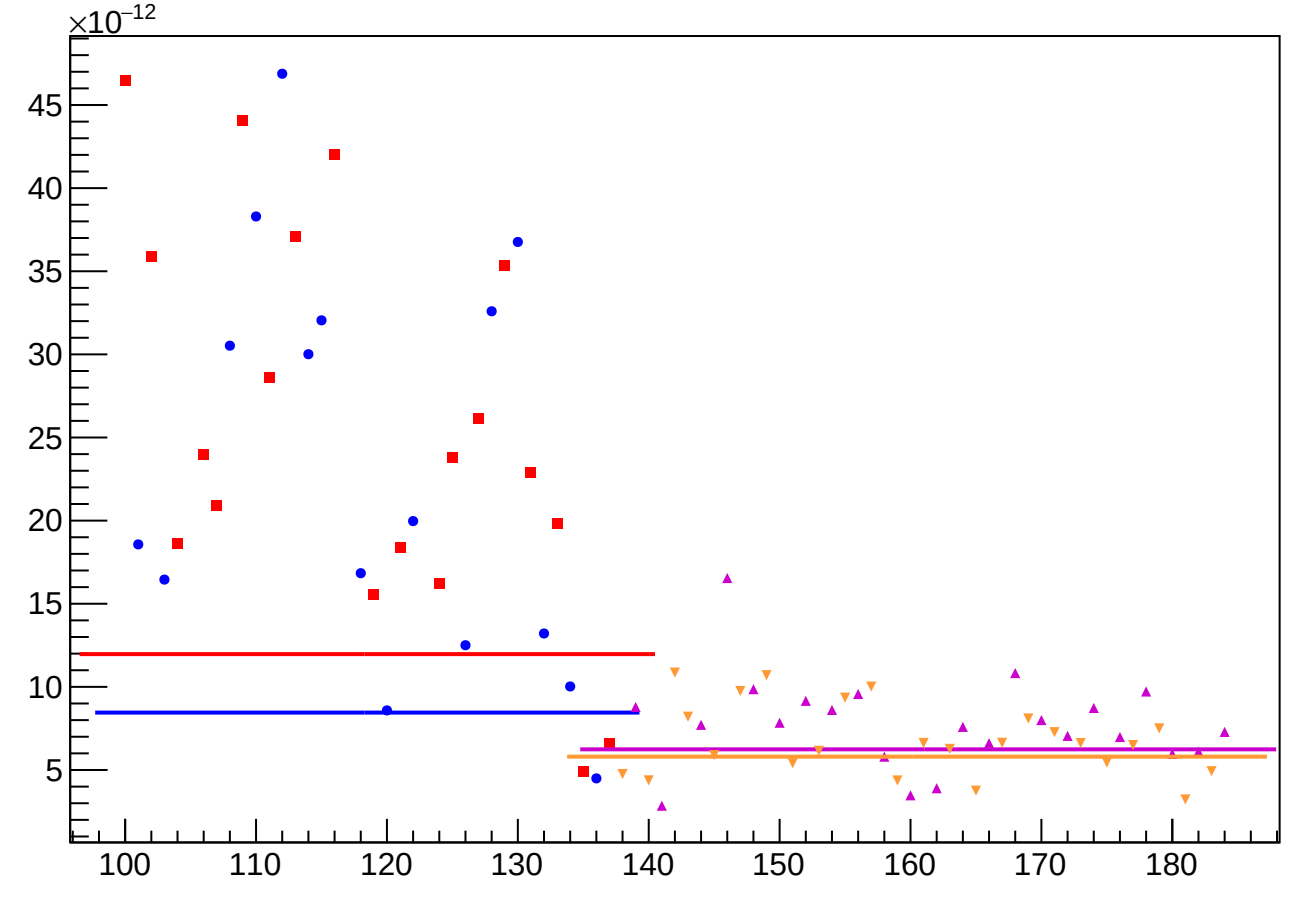
Left: 0.000+/-0.000 χ^2/NDF: 28.0/46

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:29.6/38

Out: 0.000+/-0.000 χ^2/NDF:33.4/42

All: 0.000+/-0.000 χ^2/NDF: 63.2/81



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1131981.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

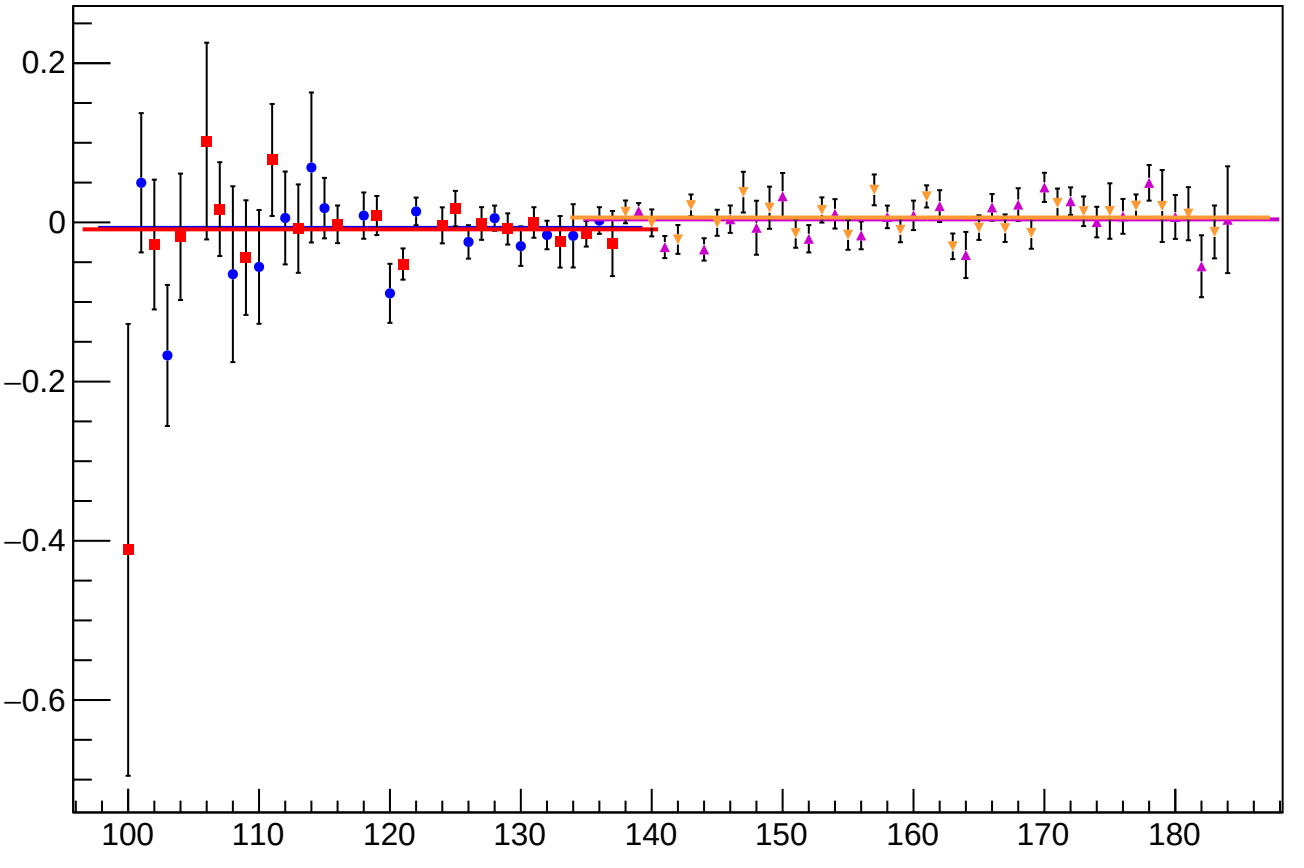
Left: 0.000+/-0.000 χ^2/NDF: 3133937.7/46

Right: 0.000+/-0.000 χ^2/NDF: 5753139.7/34

In: 0.000+/-0.000 χ^2/NDF:4944878.5/38

Out: 0.000+/-0.000 χ^2/NDF:4948877.4/42

All: 0.000+/-0.000 χ^2/NDF: 9910651.9/81



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:37.1/22

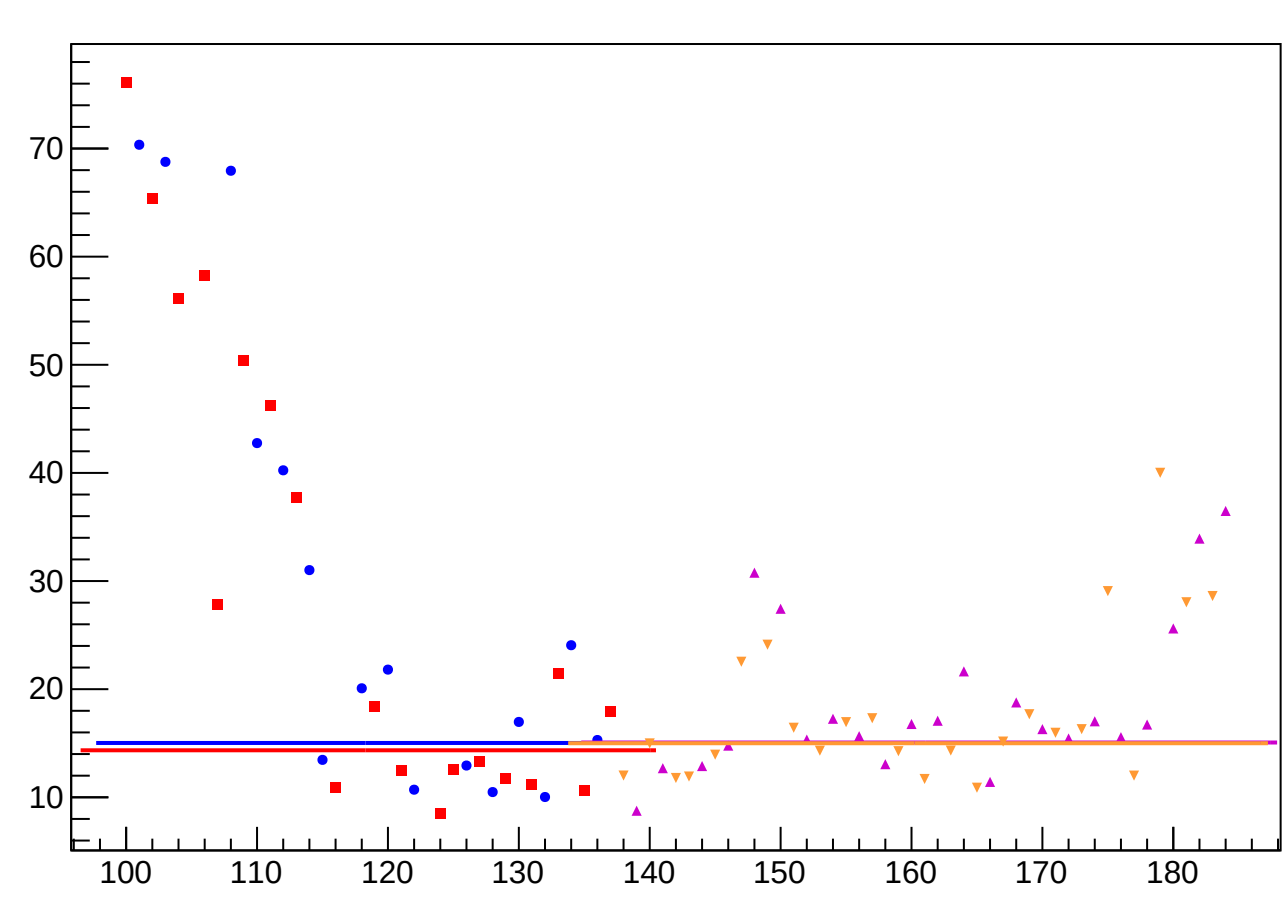
Left: 0.005+/-0.003 χ^2/NDF: 64.0/46

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:54.0/38

Out: 0.002+/-0.003 χ^2/NDF:43.4/42

All: 0.002+/-0.002 χ^2/NDF: 97.4/81



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: 15.068+/-0.003 χ^2/NDF:3066591.4/22

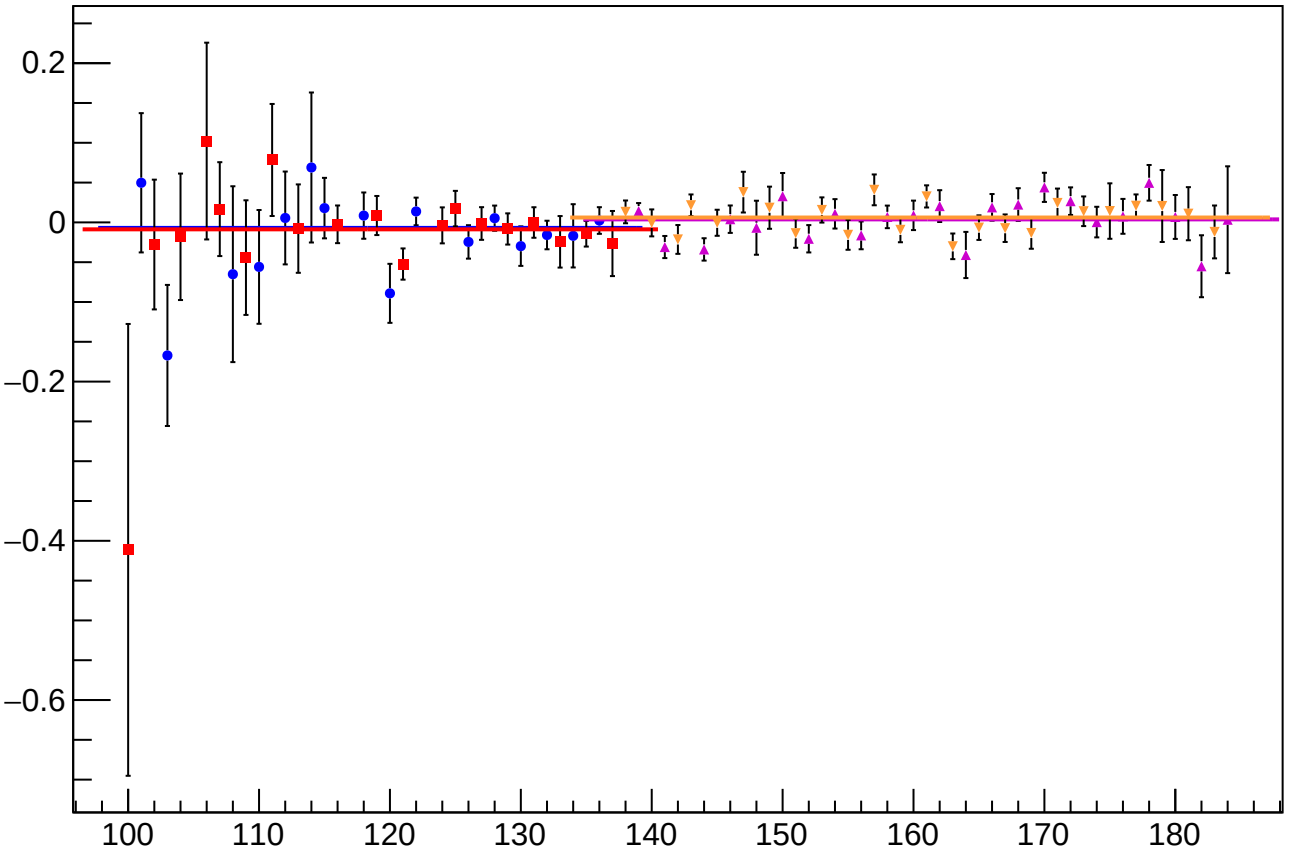
Left: 15.033+/-0.002 χ^2/NDF: 5788098.8/46

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 15.057+/-0.002 χ^2/NDF:6504911.2/38

Out: 14.837+/-0.002 χ^2/NDF:6365845.0/42

All: 14.943+/-0.002 χ^2/NDF: 12875308.9/81



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:37.1/22

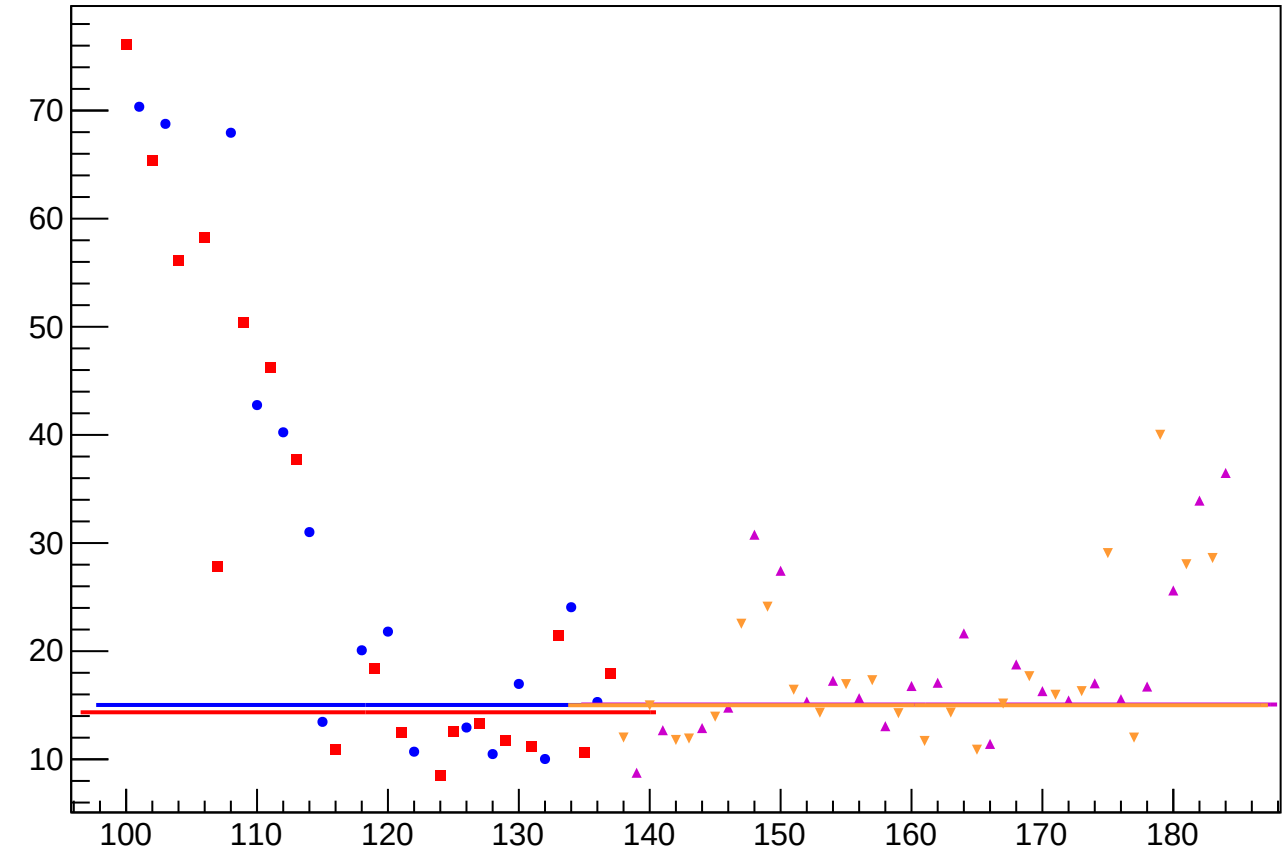
Left: 0.005+/-0.003 χ^2/NDF: 64.0/46

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:54.0/38

Out: 0.002+/-0.003 χ^2/NDF:43.4/42

All: 0.002+/-0.002 χ^2/NDF: 97.4/81



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: 15.068+/-0.003 χ^2/NDF:3066591.4/22

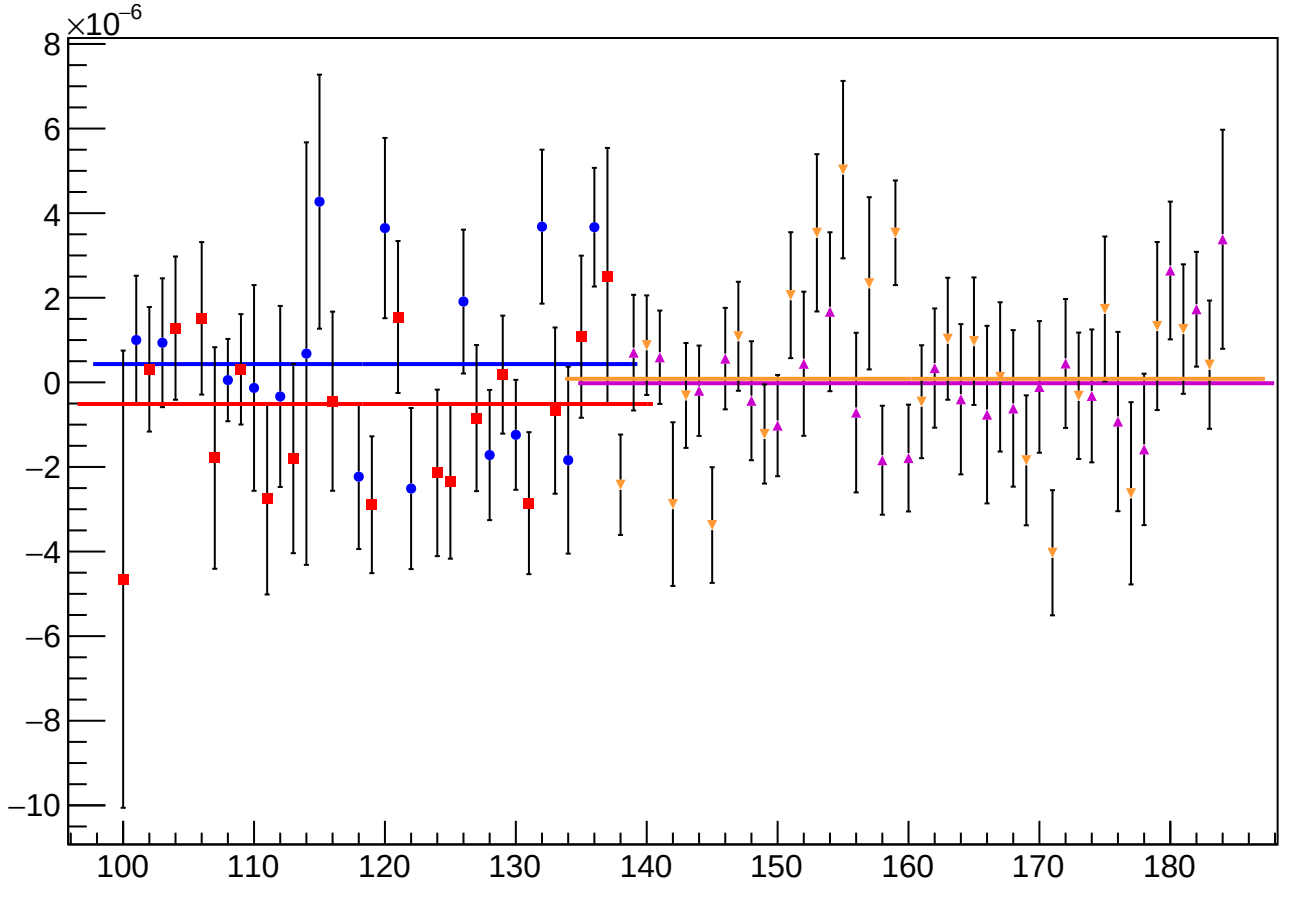
Left: 15.033+/-0.002 χ^2/NDF: 5788098.8/46

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 15.057+/-0.002 χ^2/NDF:6504911.2/38

Out: 14.837+/-0.002 χ^2/NDF:6365845.0/42

All: 14.943+/-0.002 χ^2/NDF: 12875308.9/81



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:14.1/22

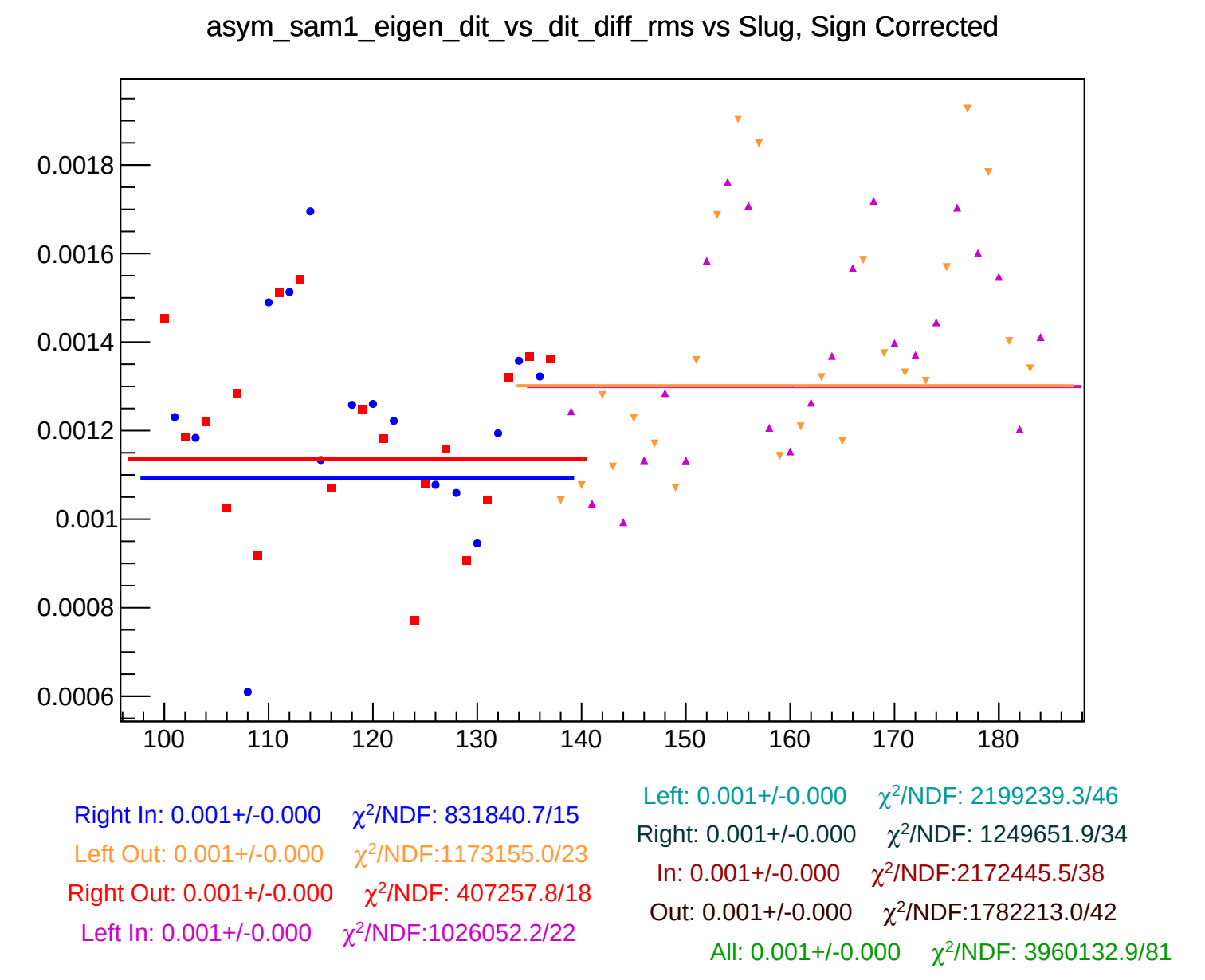
Left: 0.000+/-0.000 χ^2/NDF: 63.4/46

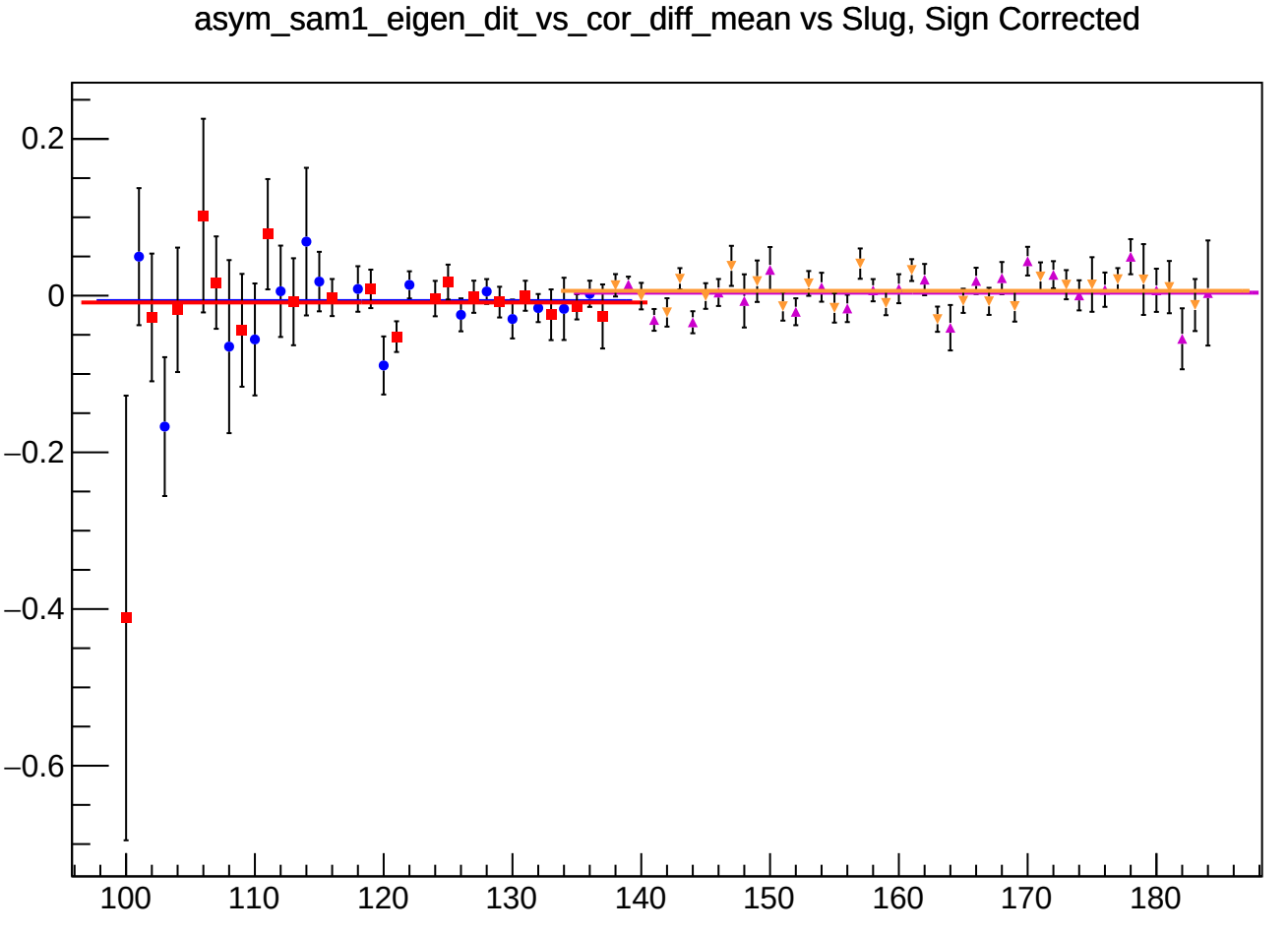
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:38.1/38

Out: -0.000+/-0.000 χ^2/NDF:64.9/42

All: 0.000+/-0.000 χ^2/NDF: 103.5/81


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:1026052.2/22
Left: 0.001+/-0.000 χ²/NDF: 2199239.3/46
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:2172445.5/38
Out: 0.001+/-0.000 χ²/NDF:1782213.0/42
All: 0.001+/-0.000 χ²/NDF: 3960132.9/81



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:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/46

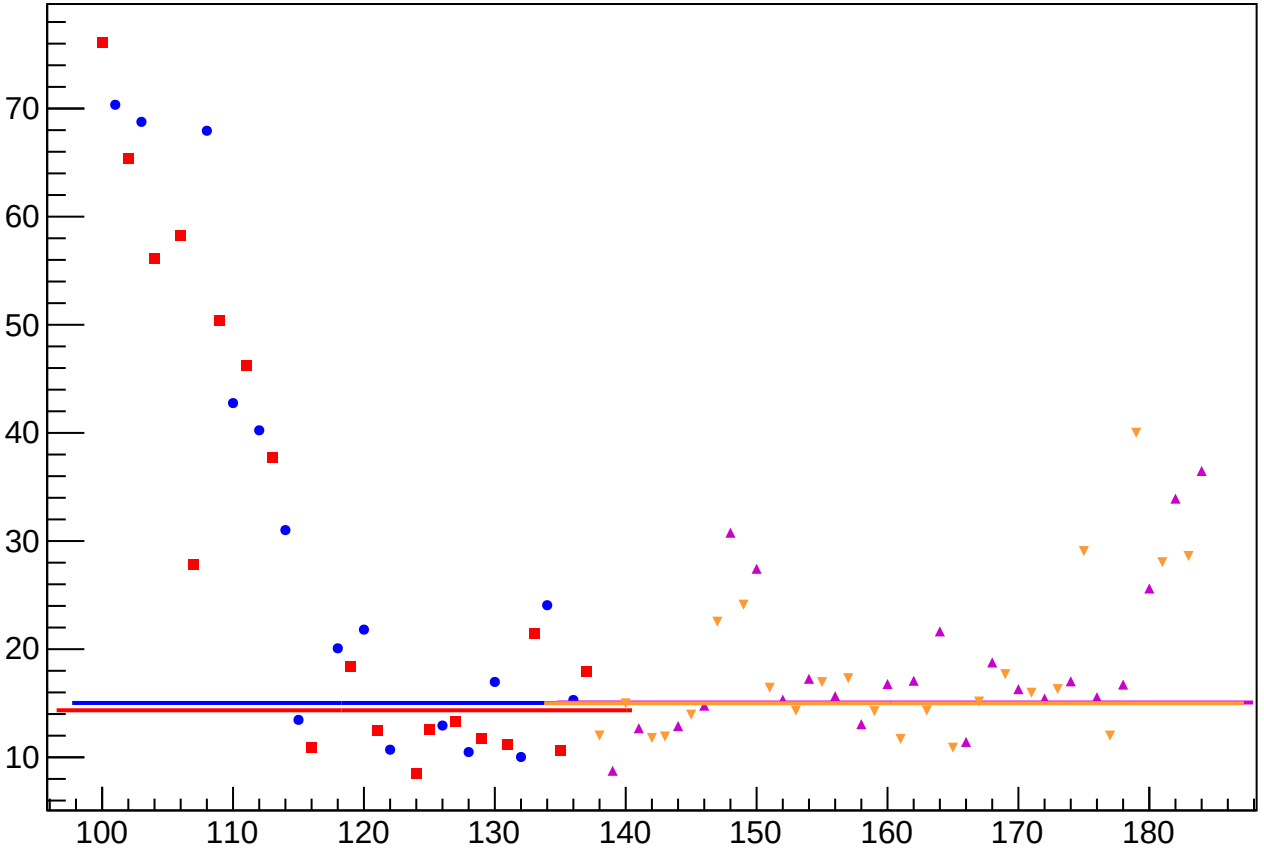
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:54.0/38

Out: 0.002+/-0.003 χ^2/NDF:43.4/42

All: 0.002+/-0.002 χ^2/NDF: 97.4/81

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 15.000+/-0.003 χ^2/NDF:2721396.0/23

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

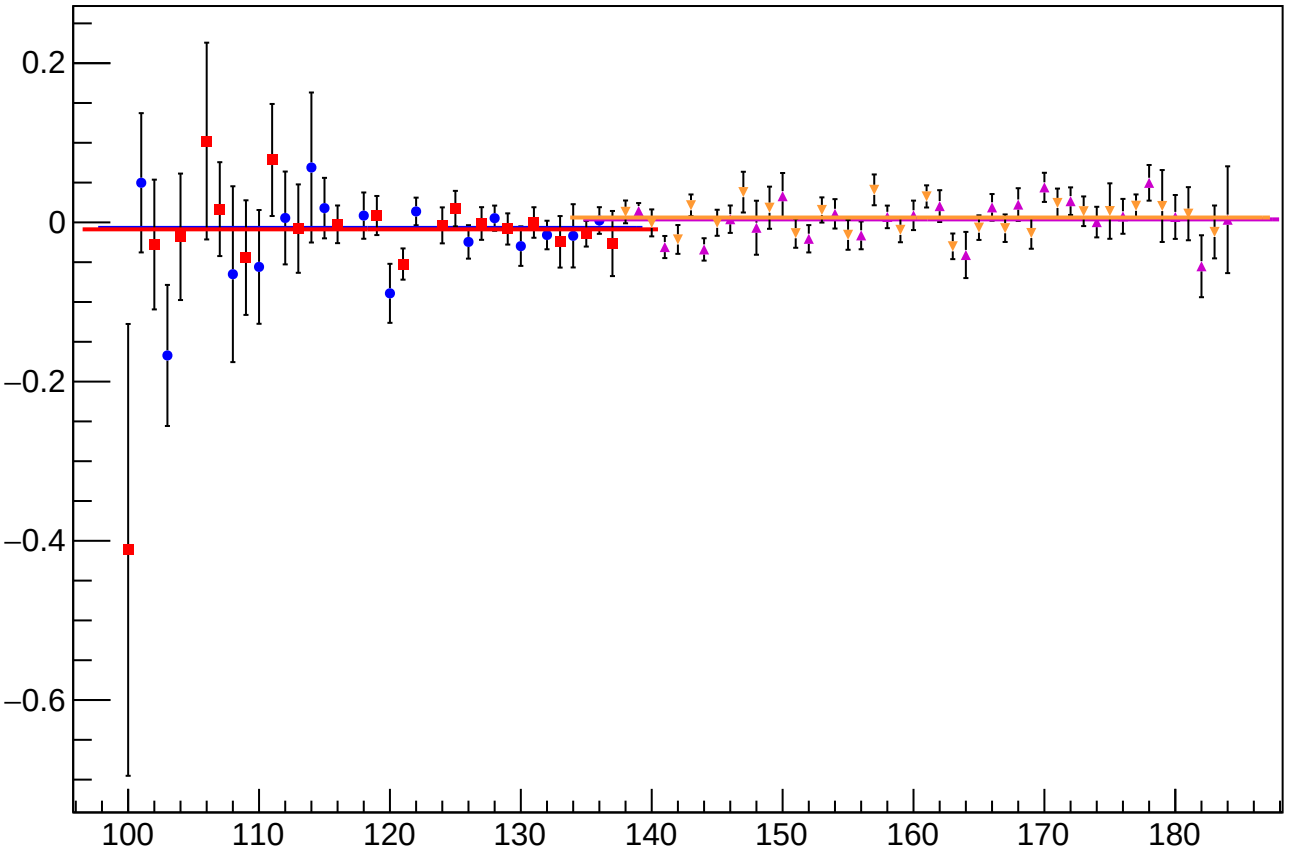
Left: 15.033+/-0.002 χ^2/NDF: 5788348.0/46

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 15.057+/-0.002 χ^2/NDF:6504973.4/38

Out: 14.837+/-0.002 χ^2/NDF:6366033.0/42

All: 14.942+/-0.002 χ^2/NDF: 12875560.3/81



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:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/46

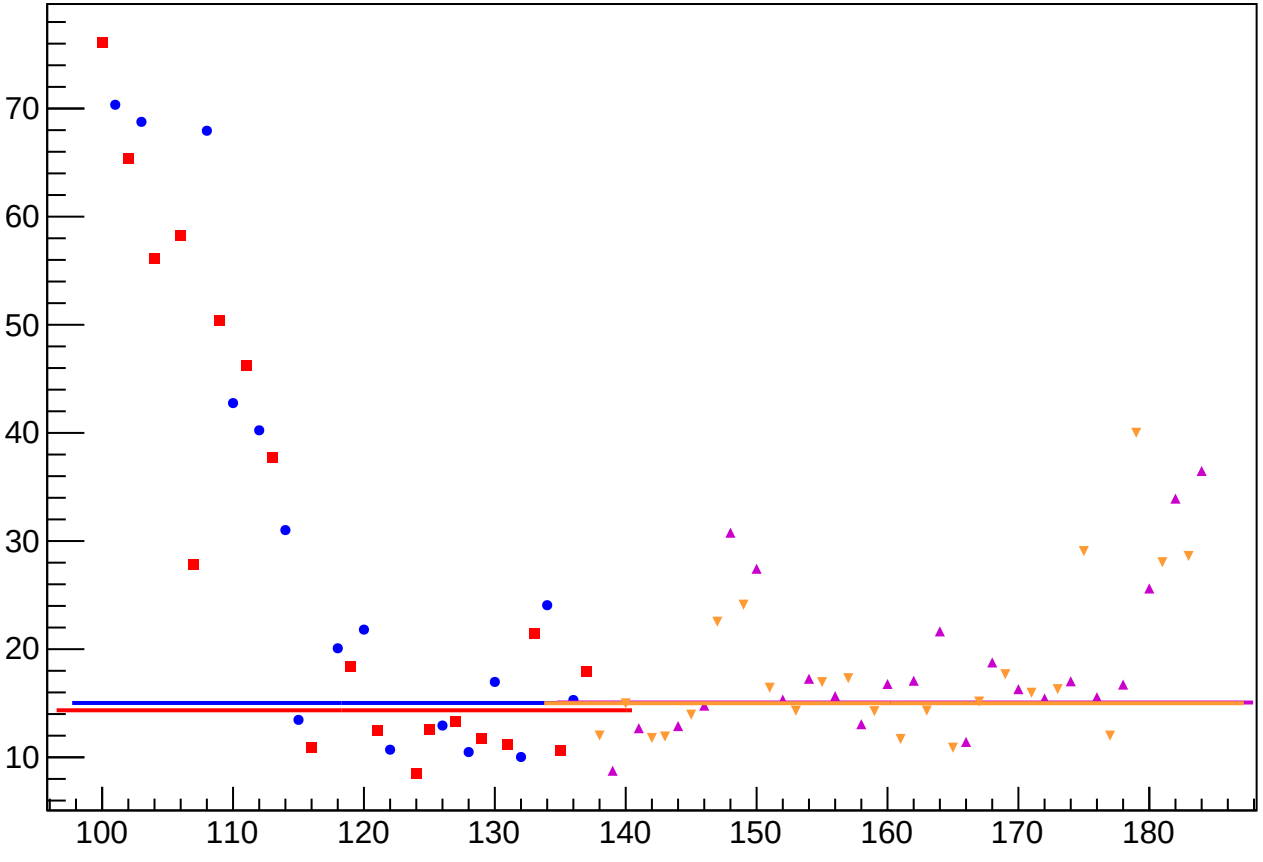
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:54.0/38

Out: 0.002+/-0.003 χ^2/NDF:43.4/42

All: 0.002+/-0.002 χ^2/NDF: 97.4/81

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: 15.067+/-0.003 χ^2/NDF:3066635.3/22

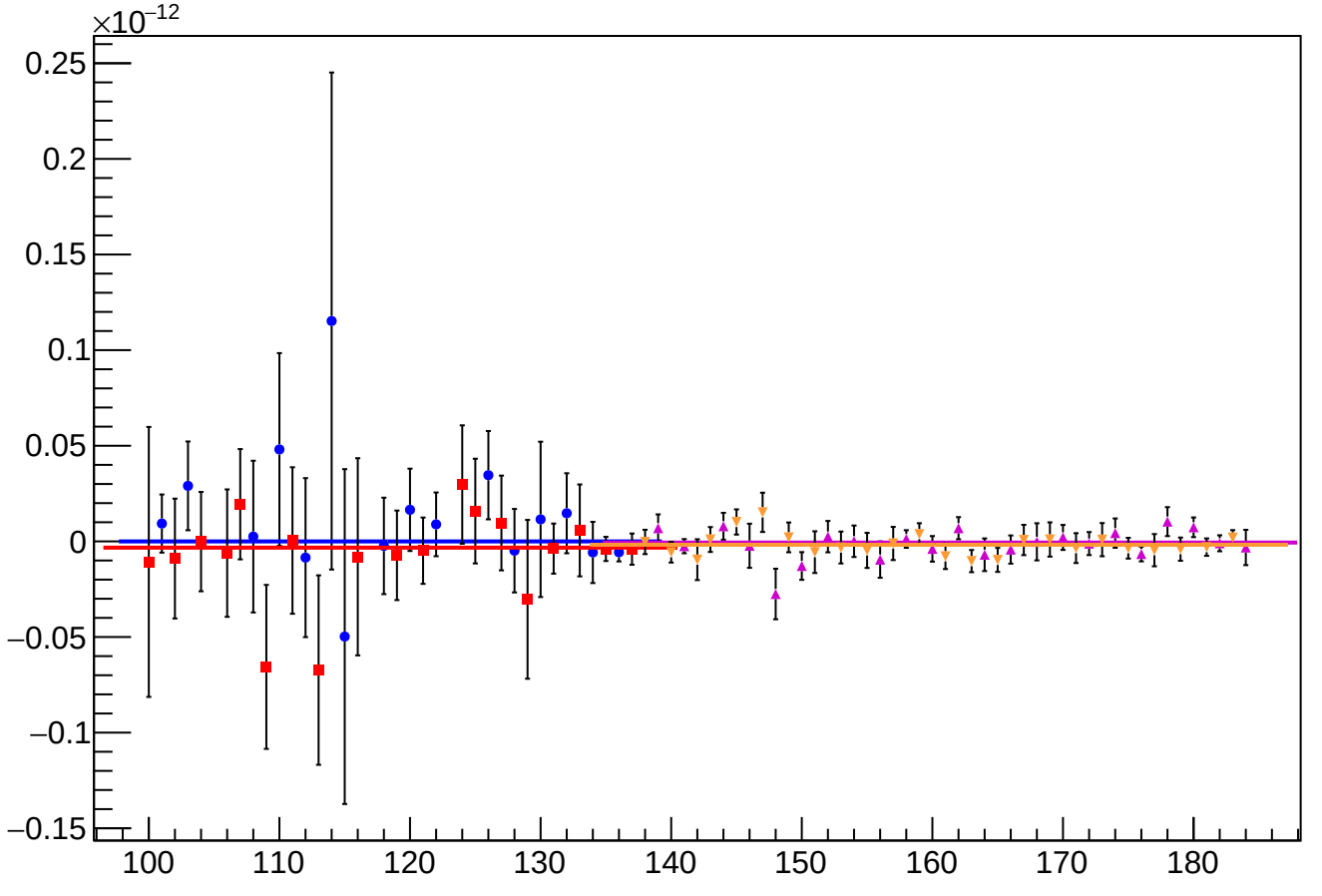
Left: 15.033+/-0.002 χ^2/NDF: 5788348.0/46

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 15.057+/-0.002 χ^2/NDF:6504973.4/38

Out: 14.837+/-0.002 χ^2/NDF:6366033.0/42

All: 14.942+/-0.002 χ^2/NDF: 12875560.3/81



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:21.3/22

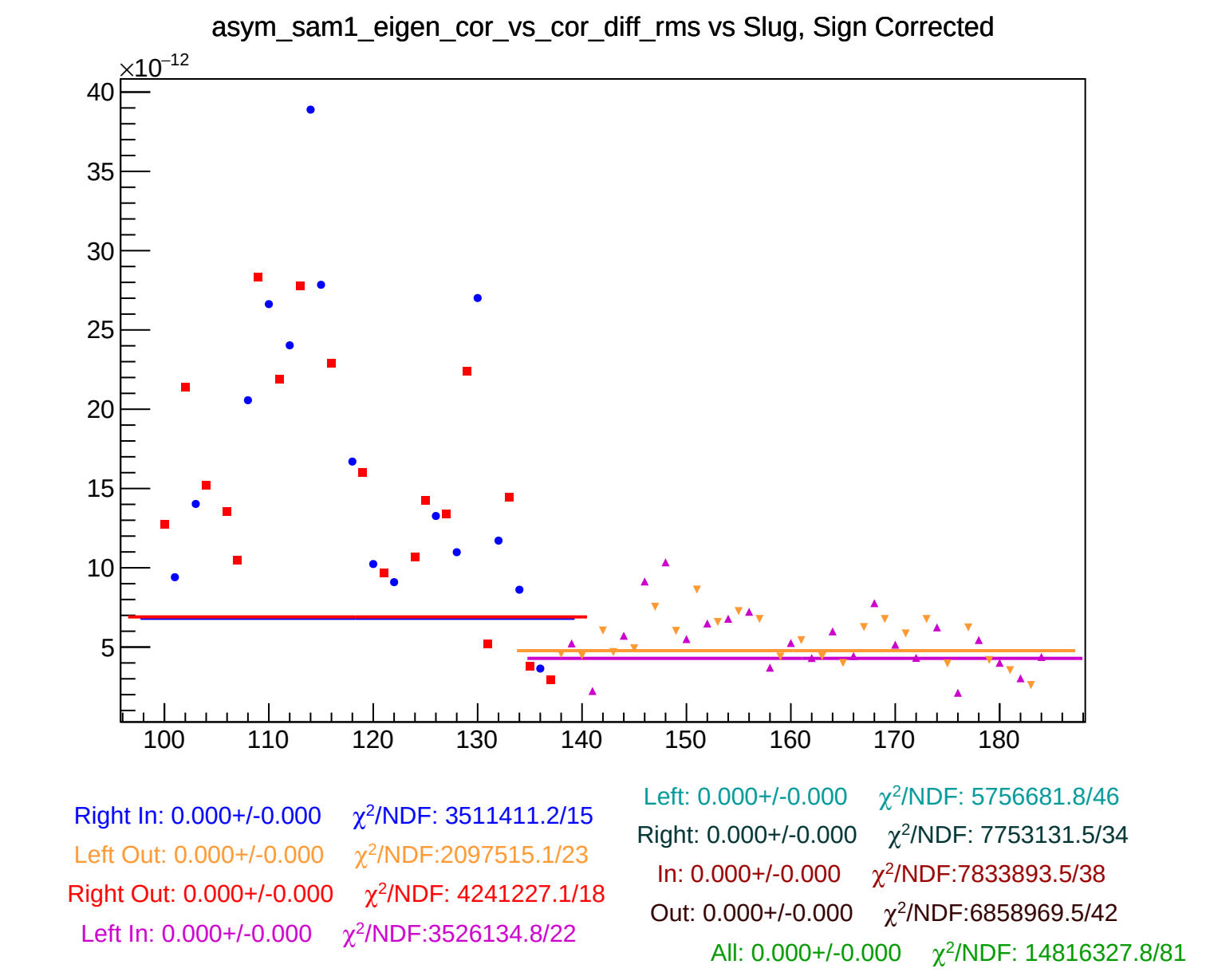
Left: -0.000+/-0.000 χ^2/NDF: 36.7/46

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

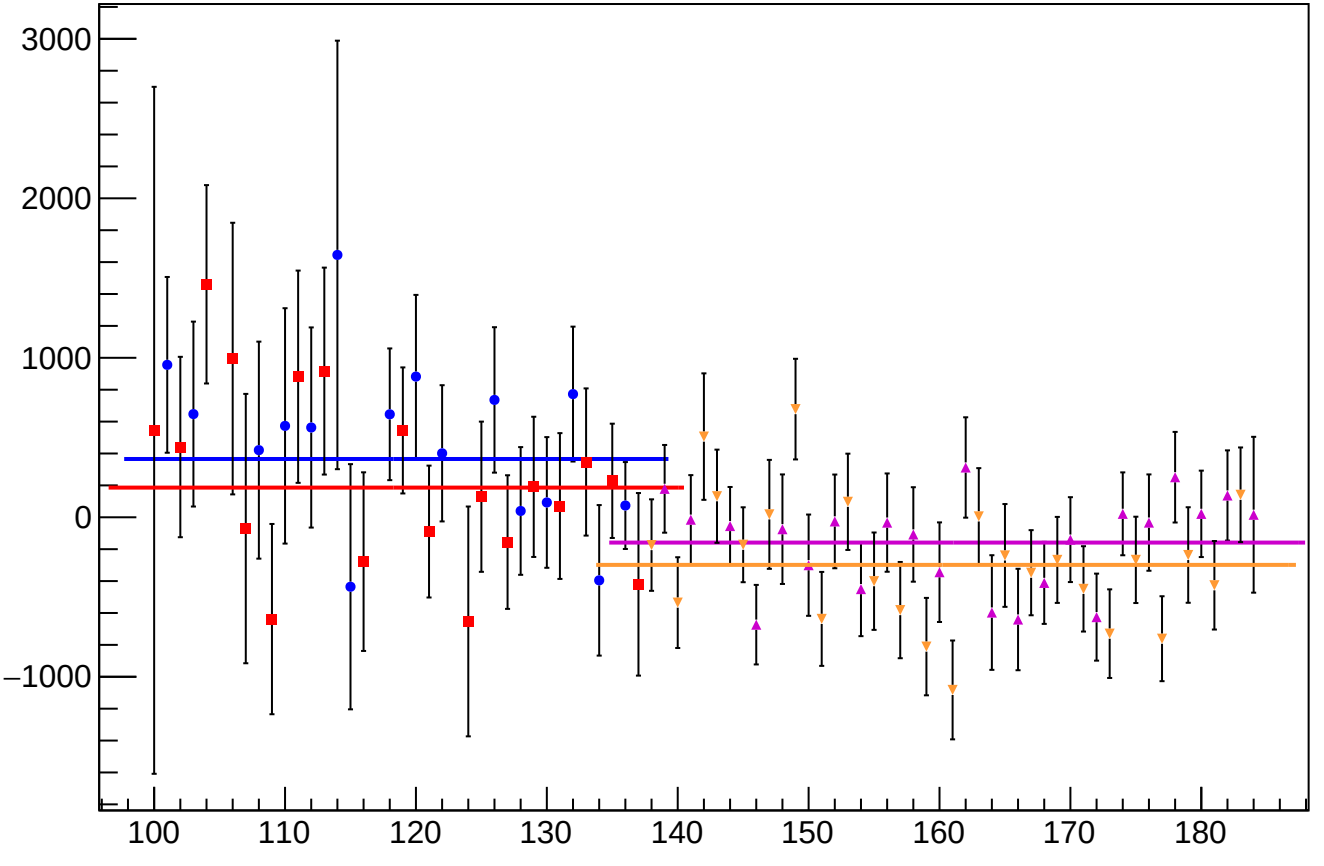
In: -0.000+/-0.000 χ^2/NDF:30.7/38

Out: -0.000+/-0.000 χ^2/NDF:22.1/42

All: -0.000+/-0.000 χ^2/NDF: 53.4/81


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:3526134.8/22
Left: 0.000+/-0.000 χ²/NDF: 5756681.8/46
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:7833893.5/38
Out: 0.000+/-0.000 χ²/NDF:6858969.5/42
All: 0.000+/-0.000 χ²/NDF: 14816327.8/81

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: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -230.011+/-42.466 χ^2/NDF: 65.7/46

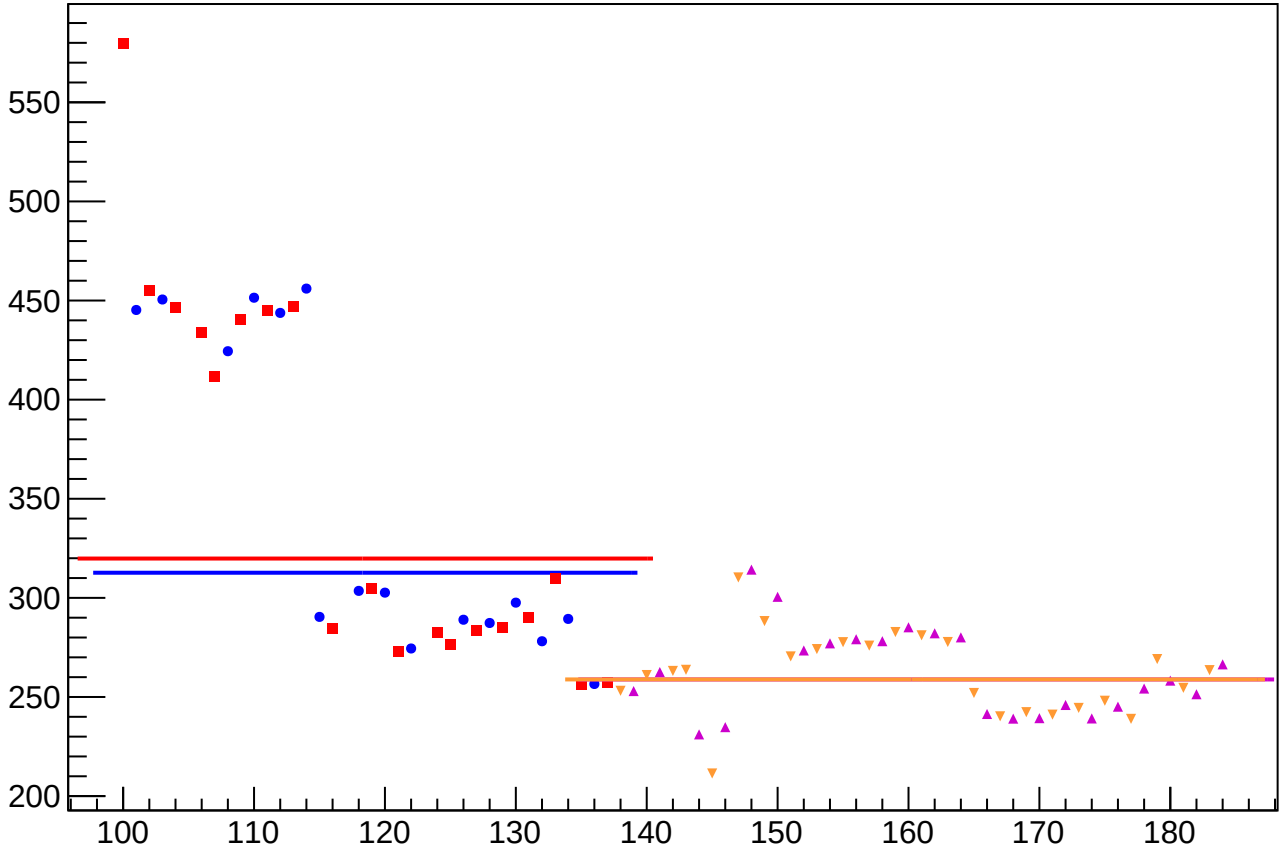
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -50.179+/-54.065 χ^2/NDF:49.4/38

Out: -203.245+/-53.269 χ^2/NDF:68.5/42

All: -127.847+/-37.945 χ^2/NDF: 122.0/81

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: 258.843+/-0.043 χ^2/NDF:244953.3/22

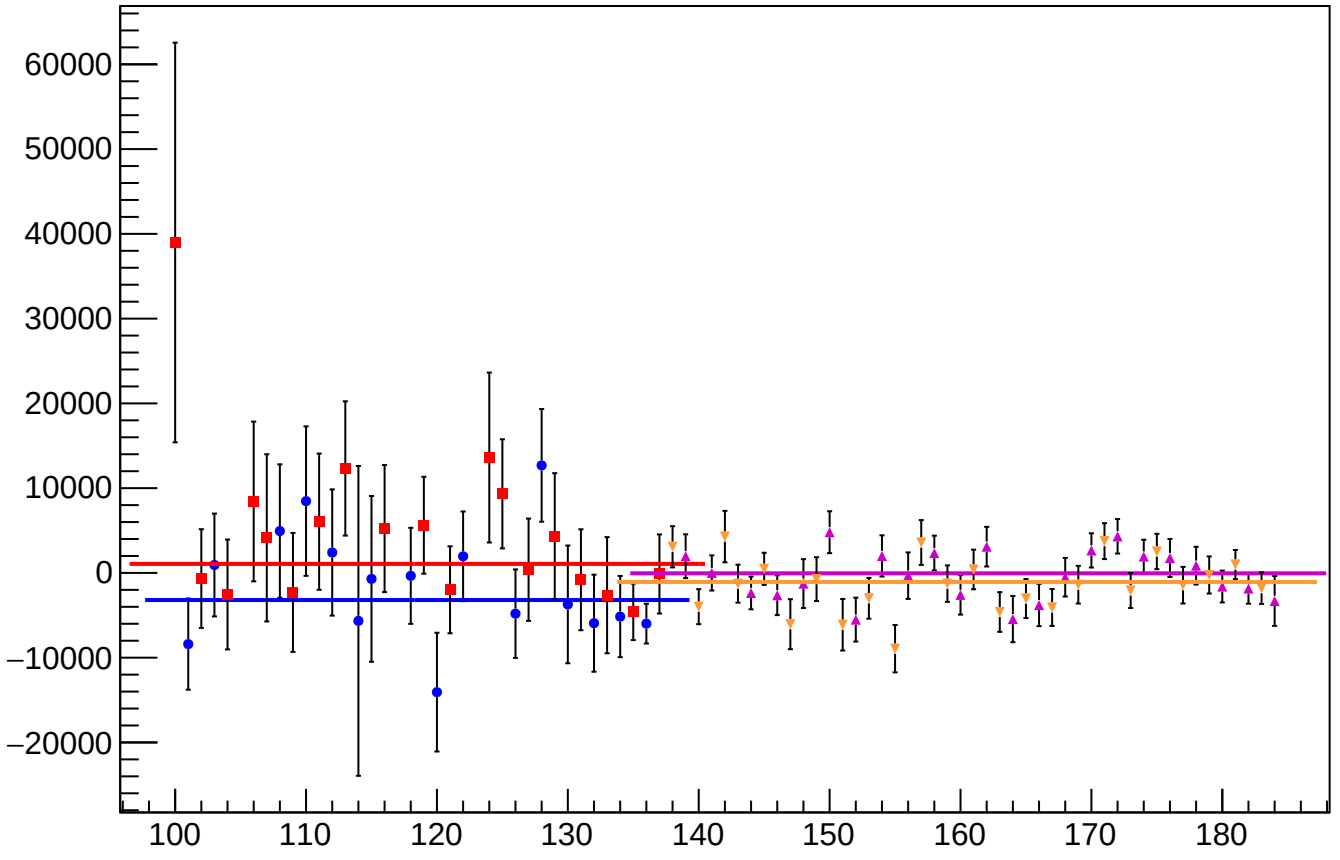
Left: 258.851+/-0.030 χ^2/NDF: 493568.9/46

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 269.980+/-0.038 χ^2/NDF:1172563.6/38

Out: 270.838+/-0.038 χ^2/NDF:1360243.8/42

All: 270.415+/-0.027 χ^2/NDF: 2533062.6/81



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: -44.352+/-470.700 χ^2/NDF:34.2/22

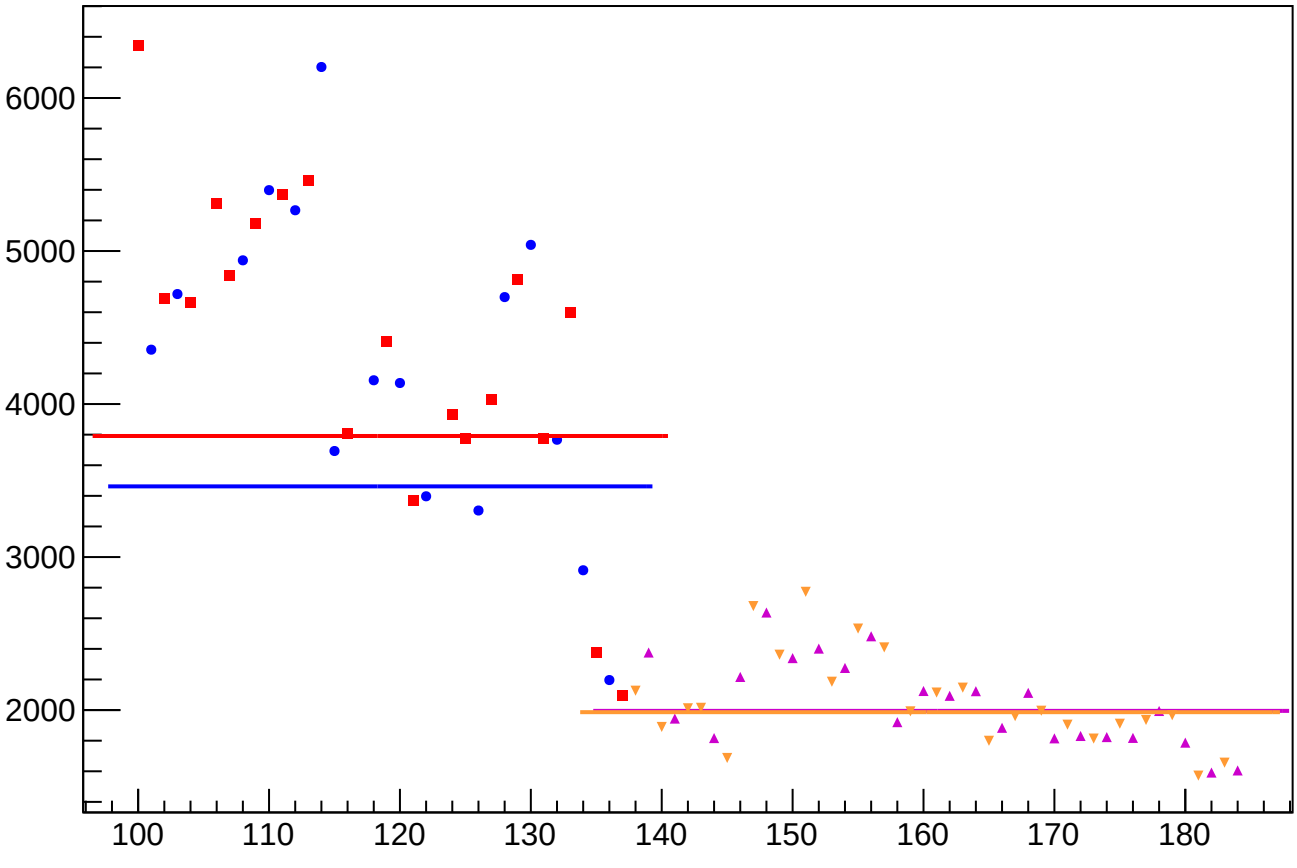
Left: -566.813+/-328.962 χ^2/NDF: 78.1/46

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -384.545+/-444.594 χ^2/NDF:55.1/38

Out: -869.145+/-438.221 χ^2/NDF:57.9/42

All: -630.344+/-312.098 χ^2/NDF: 113.6/81



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: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1990.458+/-0.233 χ^2/NDF: 1318998.1/46

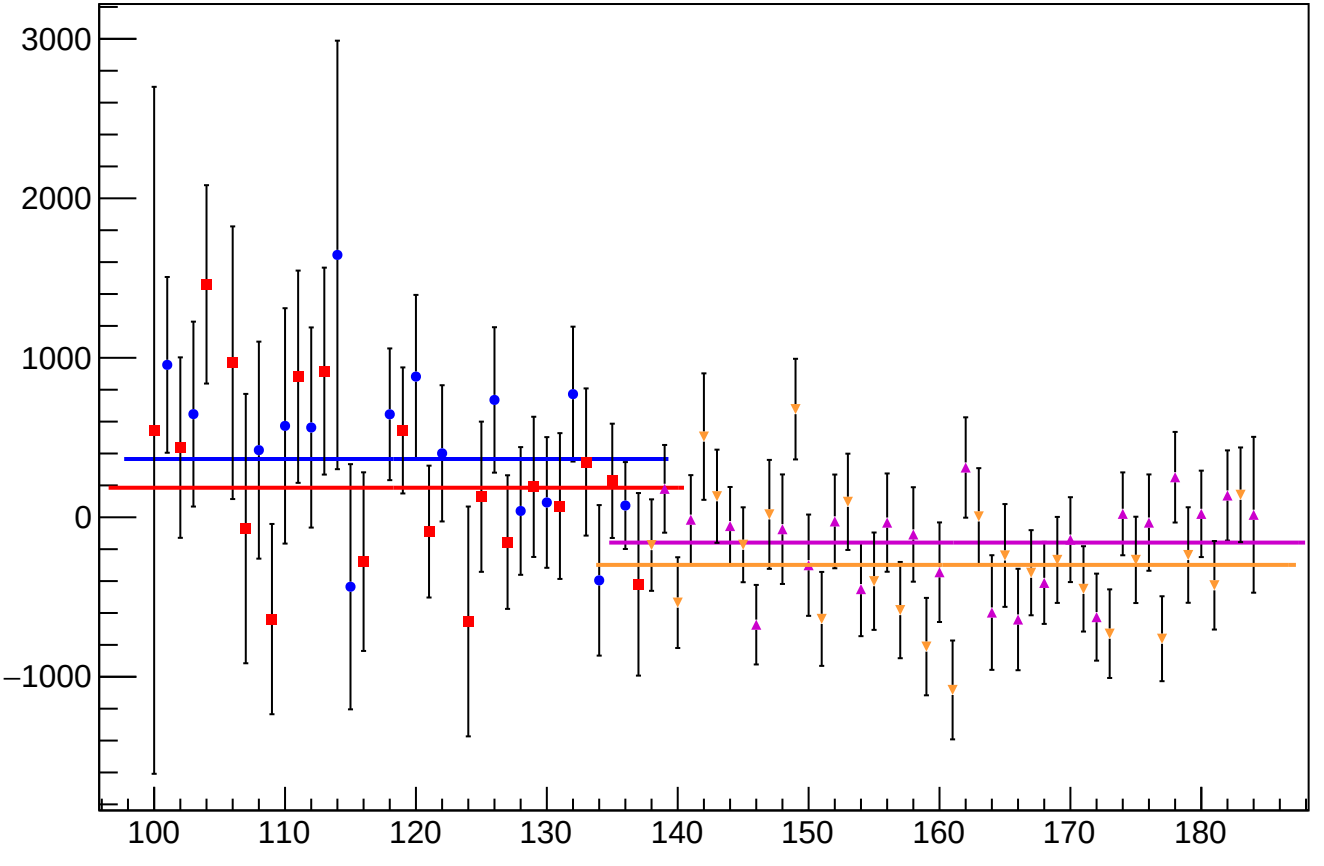
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2152.990+/-0.314 χ^2/NDF:4005186.1/38

Out: 2152.730+/-0.310 χ^2/NDF:4713557.5/42

All: 2152.858+/-0.221 χ^2/NDF: 8718743.9/81

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: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -230.016+/-42.466 χ^2/NDF: 65.7/46

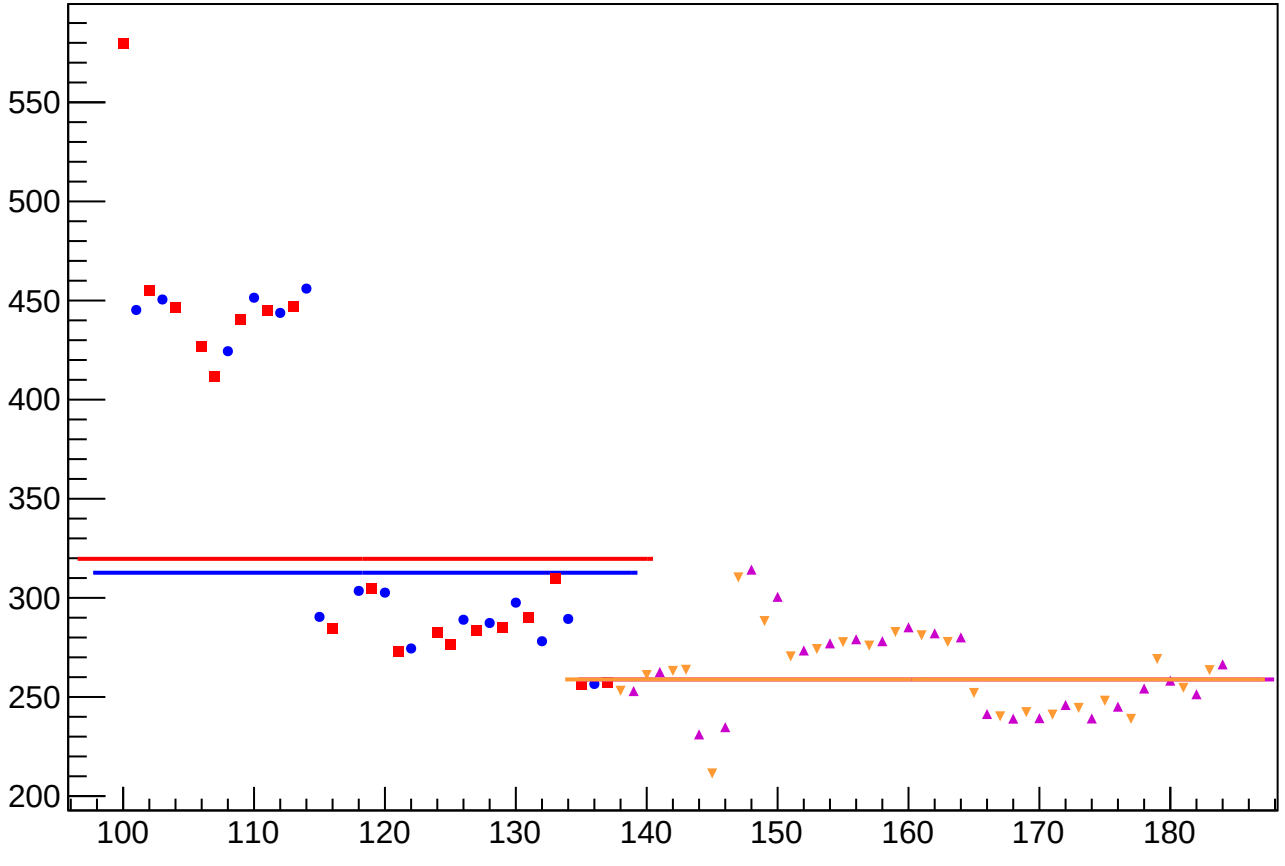
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -50.191+/-54.065 χ^2/NDF:49.4/38

Out: -203.417+/-53.270 χ^2/NDF:68.4/42

All: -127.939+/-37.946 χ^2/NDF: 121.9/81

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: 258.843+/-0.043 χ^2/NDF:244953.3/22

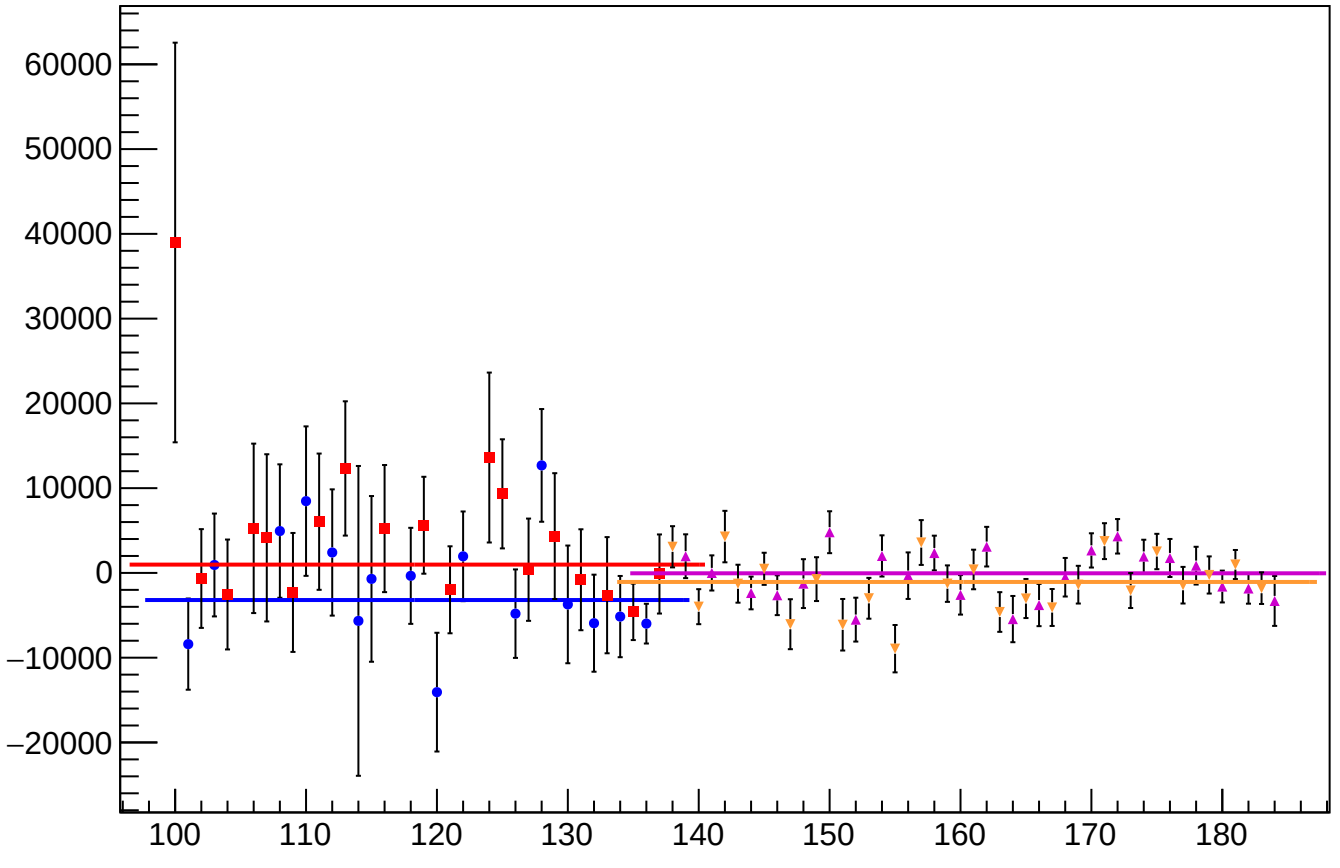
Left: 258.851+/-0.030 χ^2/NDF: 493568.9/46

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 269.980+/-0.038 χ^2/NDF:1172565.2/38

Out: 270.807+/-0.038 χ^2/NDF:1354010.7/42

All: 270.400+/-0.027 χ^2/NDF: 2526813.1/81



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: -44.348+/-470.700 χ^2/NDF:34.2/22

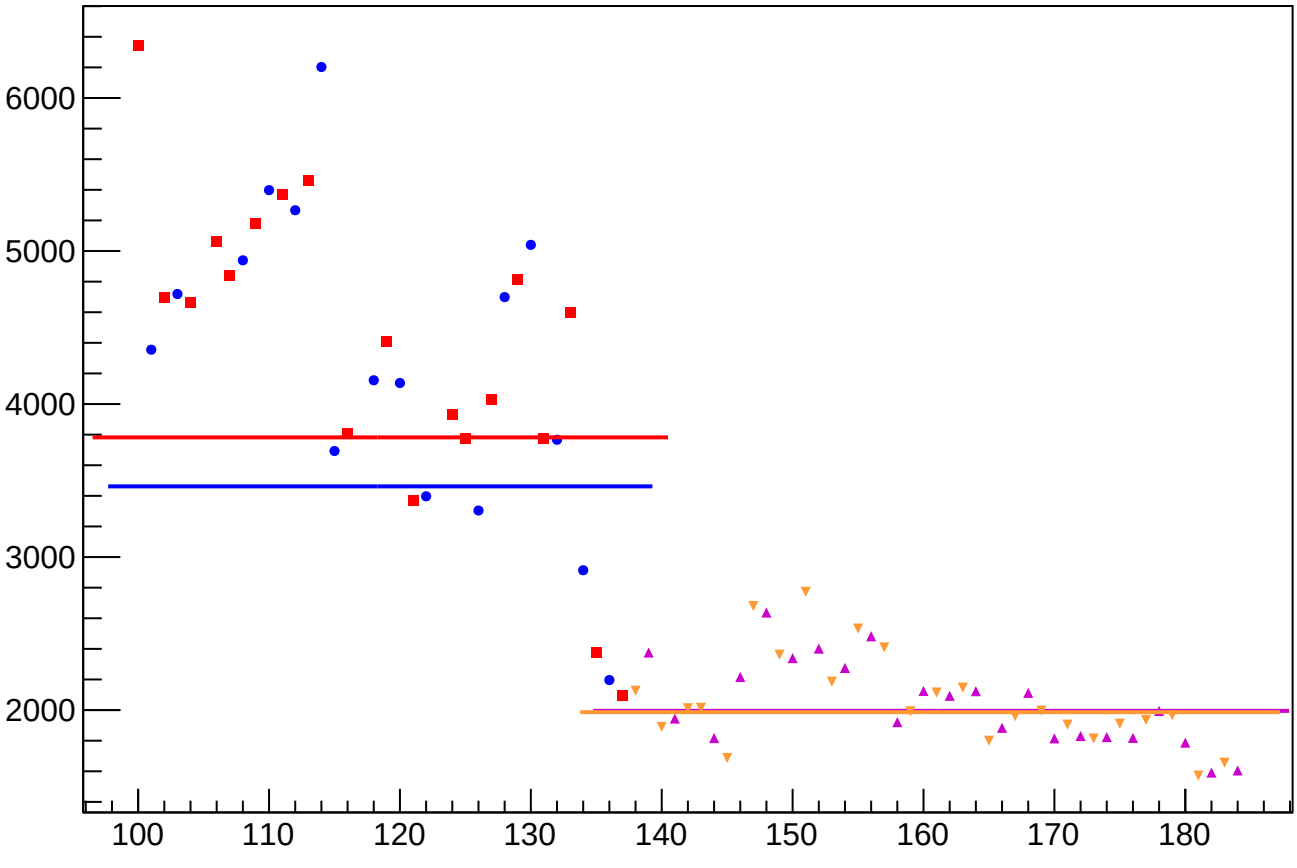
Left: -566.810+/-328.962 χ^2/NDF: 78.1/46

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -384.533+/-444.595 χ^2/NDF:55.1/38

Out: -877.439+/-438.275 χ^2/NDF:57.3/42

All: -634.514+/-312.117 χ^2/NDF: 113.0/81



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: 1994.760+/-0.333 χ^2/NDF:599996.2/22

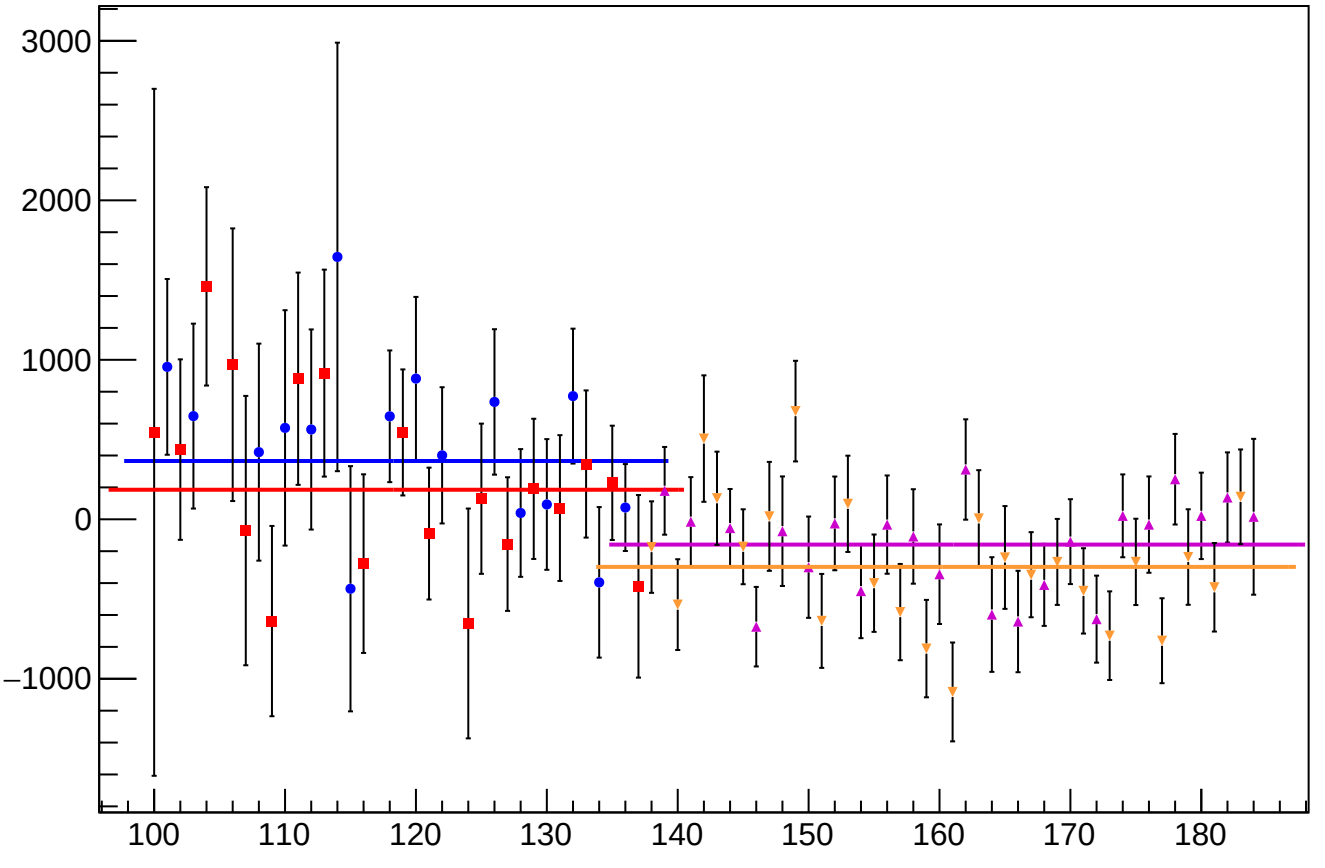
Left: 1990.458+/-0.233 χ^2/NDF: 1318999.9/46

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2152.991+/-0.314 χ^2/NDF:4005207.0/38

Out: 2151.494+/-0.310 χ^2/NDF:4658960.0/42

All: 2152.232+/-0.221 χ^2/NDF: 8664178.5/81



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: -158.612+/-60.708 χ^2/NDF:22.5/22

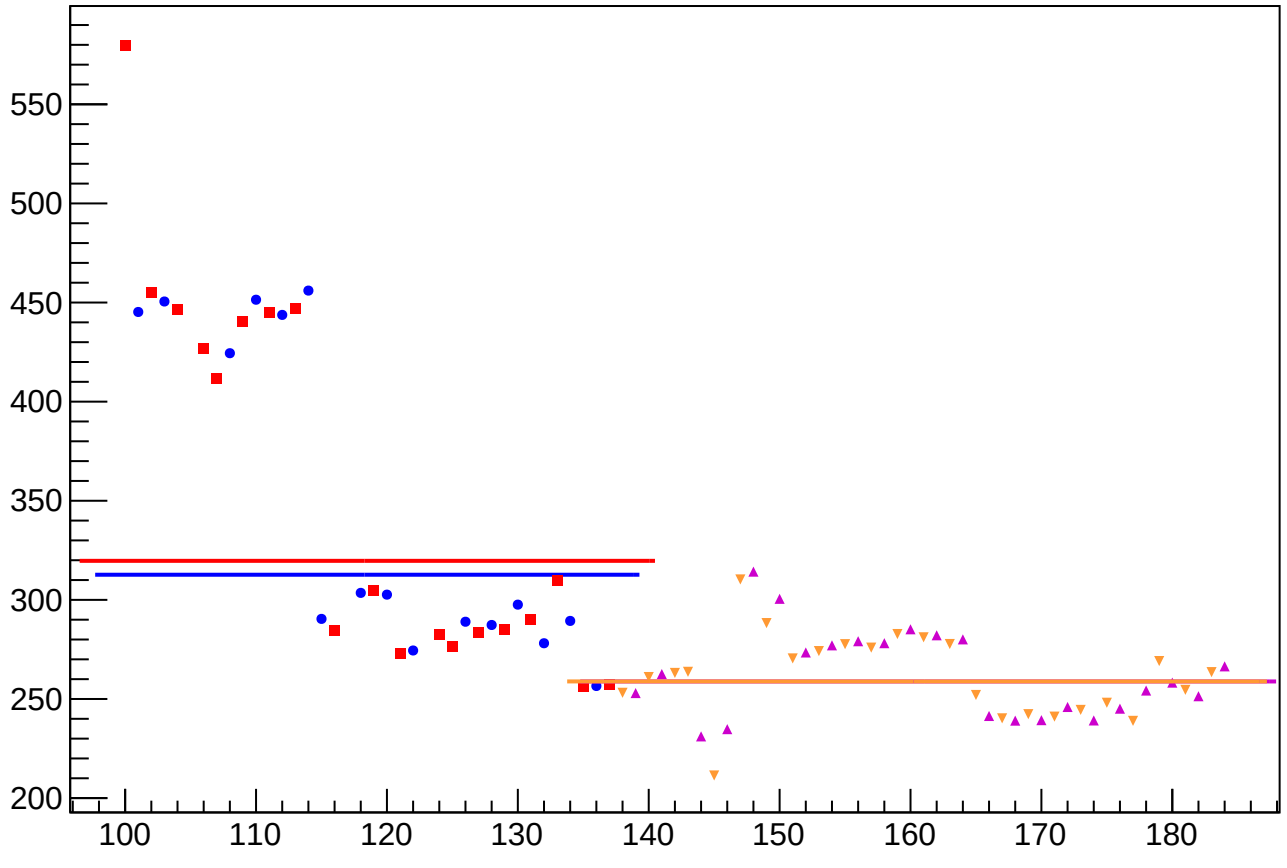
Left: -230.016+/-42.466 χ^2/NDF: 65.7/46

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -50.191+/-54.065 χ^2/NDF:49.4/38

Out: -203.417+/-53.270 χ^2/NDF:68.4/42

All: -127.939+/-37.946 χ^2/NDF: 121.9/81



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: 258.843+/-0.043 χ^2/NDF:244953.3/22

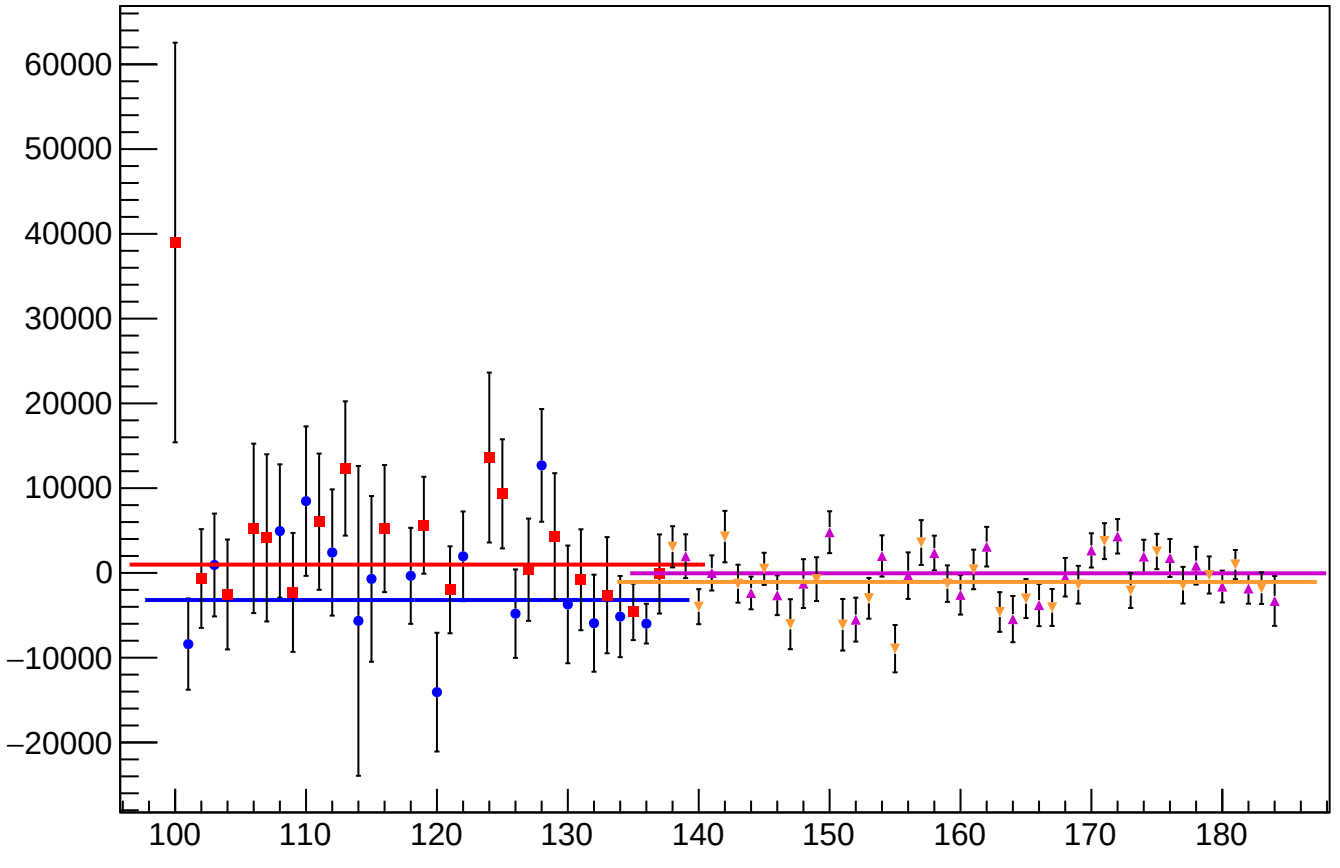
Left: 258.851+/-0.030 χ^2/NDF: 493568.9/46

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 269.980+/-0.038 χ^2/NDF:1172565.2/38

Out: 270.807+/-0.038 χ^2/NDF:1354010.7/42

All: 270.400+/-0.027 χ^2/NDF: 2526813.1/81



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: -44.348+/-470.700 χ^2/NDF:34.2/22

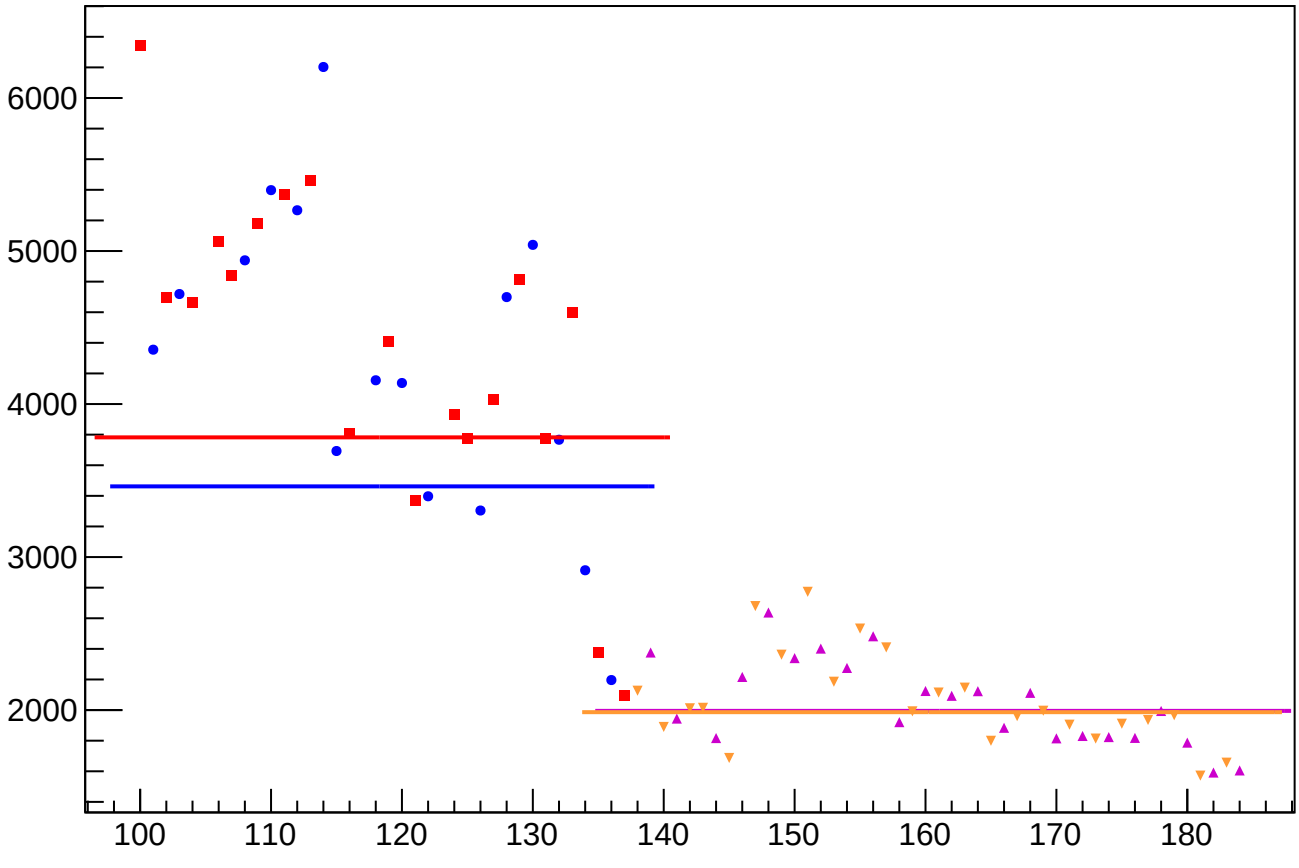
Left: -566.810+/-328.962 χ^2/NDF: 78.1/46

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -384.533+/-444.595 χ^2/NDF:55.1/38

Out: -877.439+/-438.275 χ^2/NDF:57.3/42

All: -634.514+/-312.117 χ^2/NDF: 113.0/81



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: 1994.760+/-0.333 χ^2/NDF:599996.2/22

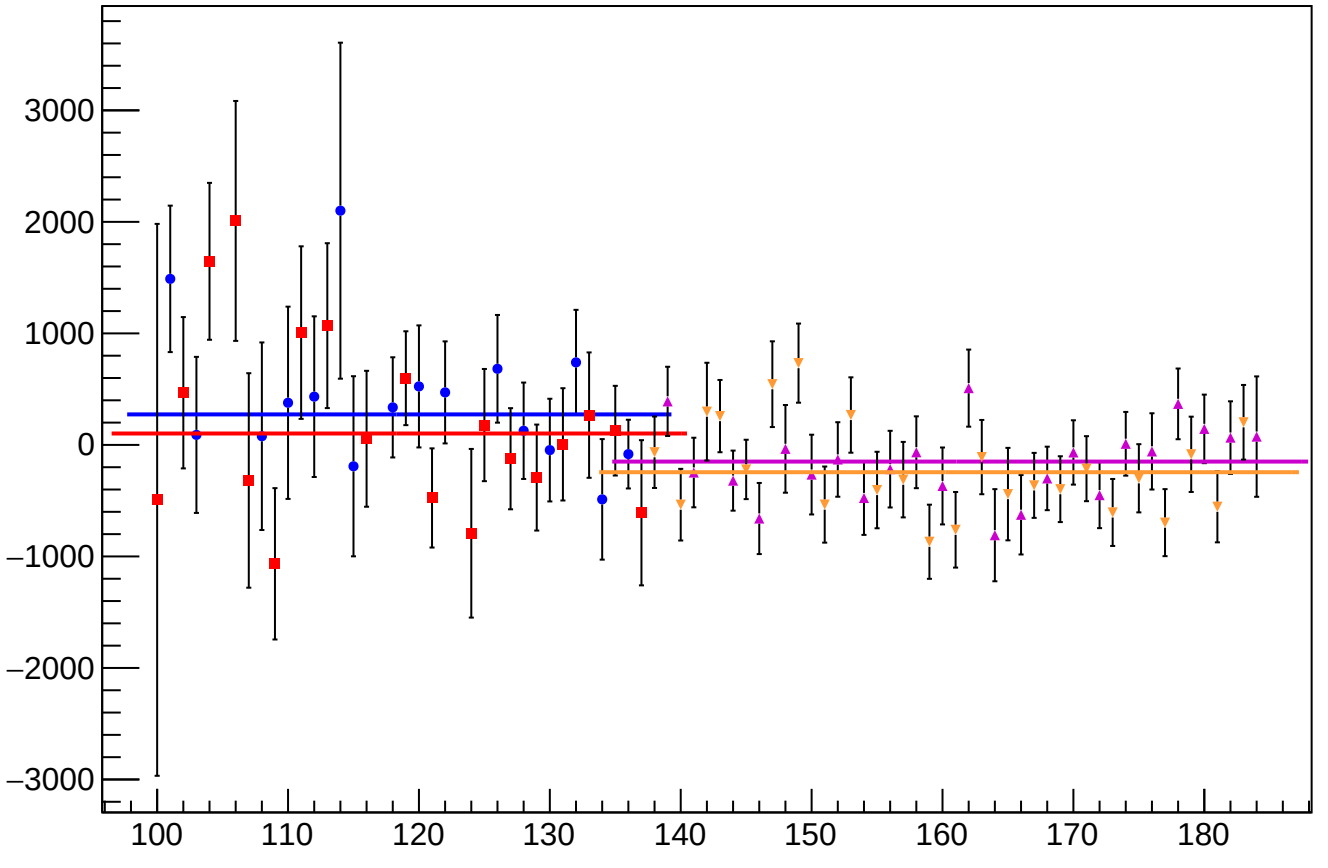
Left: 1990.458+/-0.233 χ^2/NDF: 1318999.9/46

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2152.991+/-0.314 χ^2/NDF:4005207.0/38

Out: 2151.494+/-0.310 χ^2/NDF:4658960.0/42

All: 2152.232+/-0.221 χ^2/NDF: 8664178.5/81



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: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -198.219+/-47.630 χ^2/NDF: 56.3/46

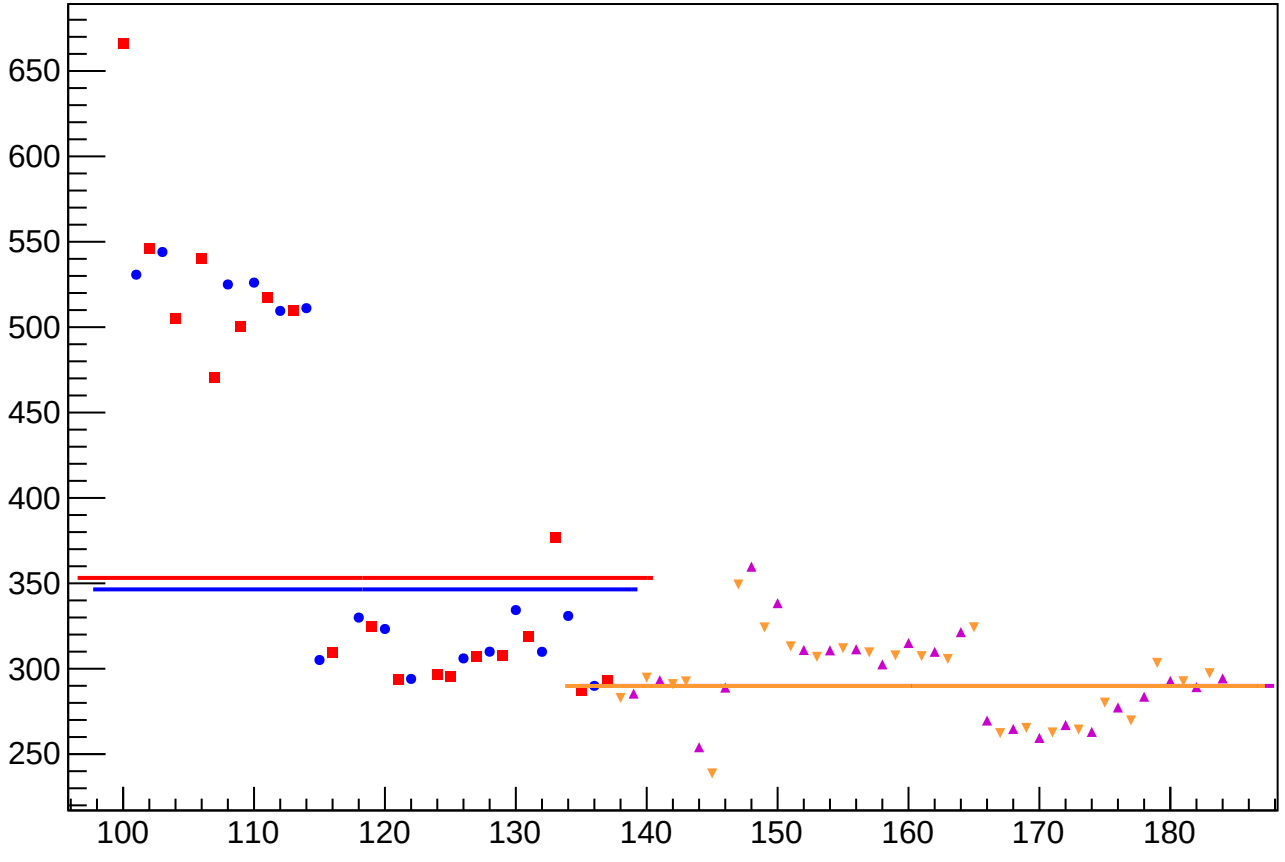
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -61.024+/-60.614 χ^2/NDF:41.2/38

Out: -175.646+/-59.595 χ^2/NDF:60.3/42

All: -119.306+/-42.496 χ^2/NDF: 103.3/81

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: 289.941+/-0.048 χ^2/NDF:269669.5/22

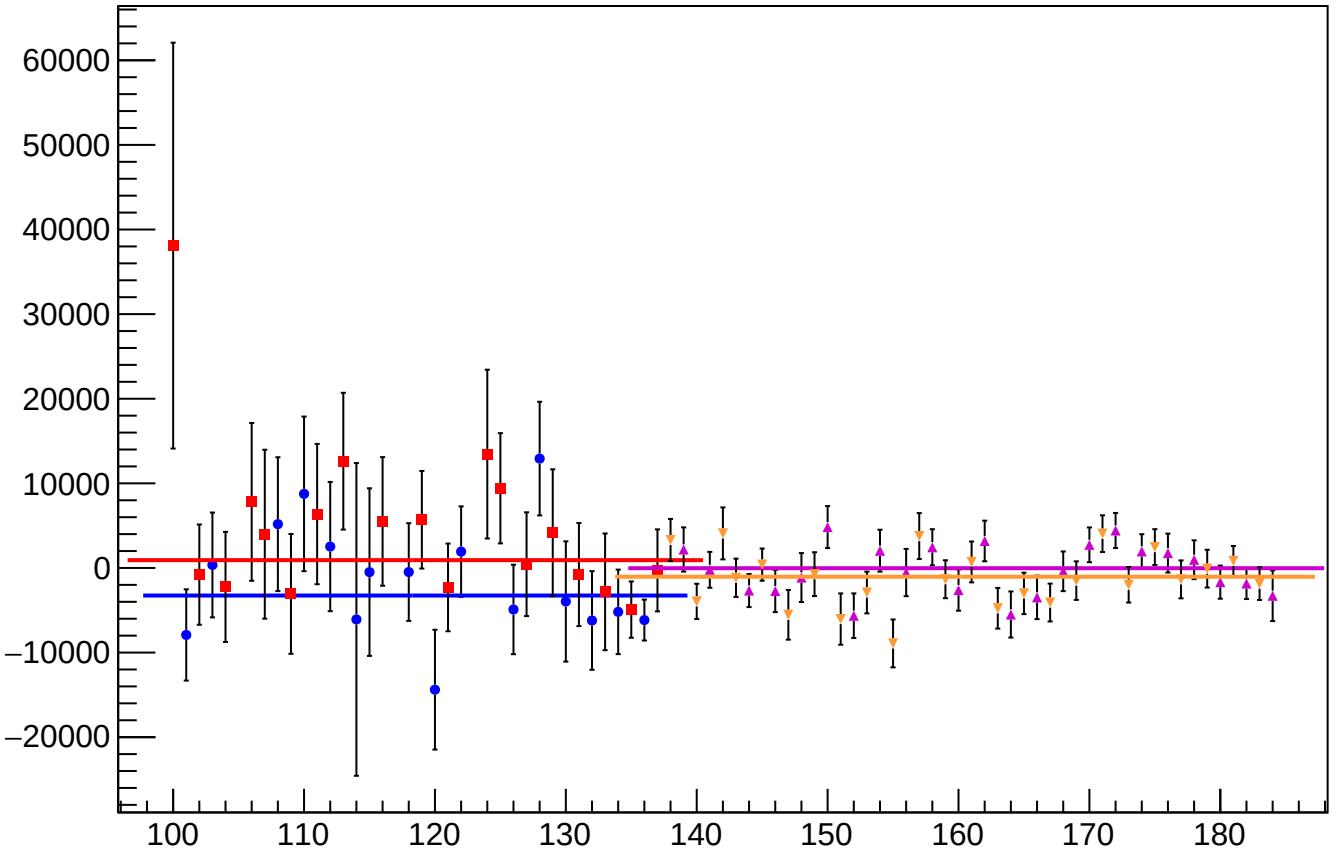
Left: 289.913+/-0.034 χ^2/NDF: 549635.9/46

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 301.761+/-0.043 χ^2/NDF:1326009.1/38

Out: 302.478+/-0.042 χ^2/NDF:1505860.2/42

All: 302.126+/-0.030 χ^2/NDF: 2832011.4/81



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: -30.393+/-482.280 χ^2/NDF:34.1/22

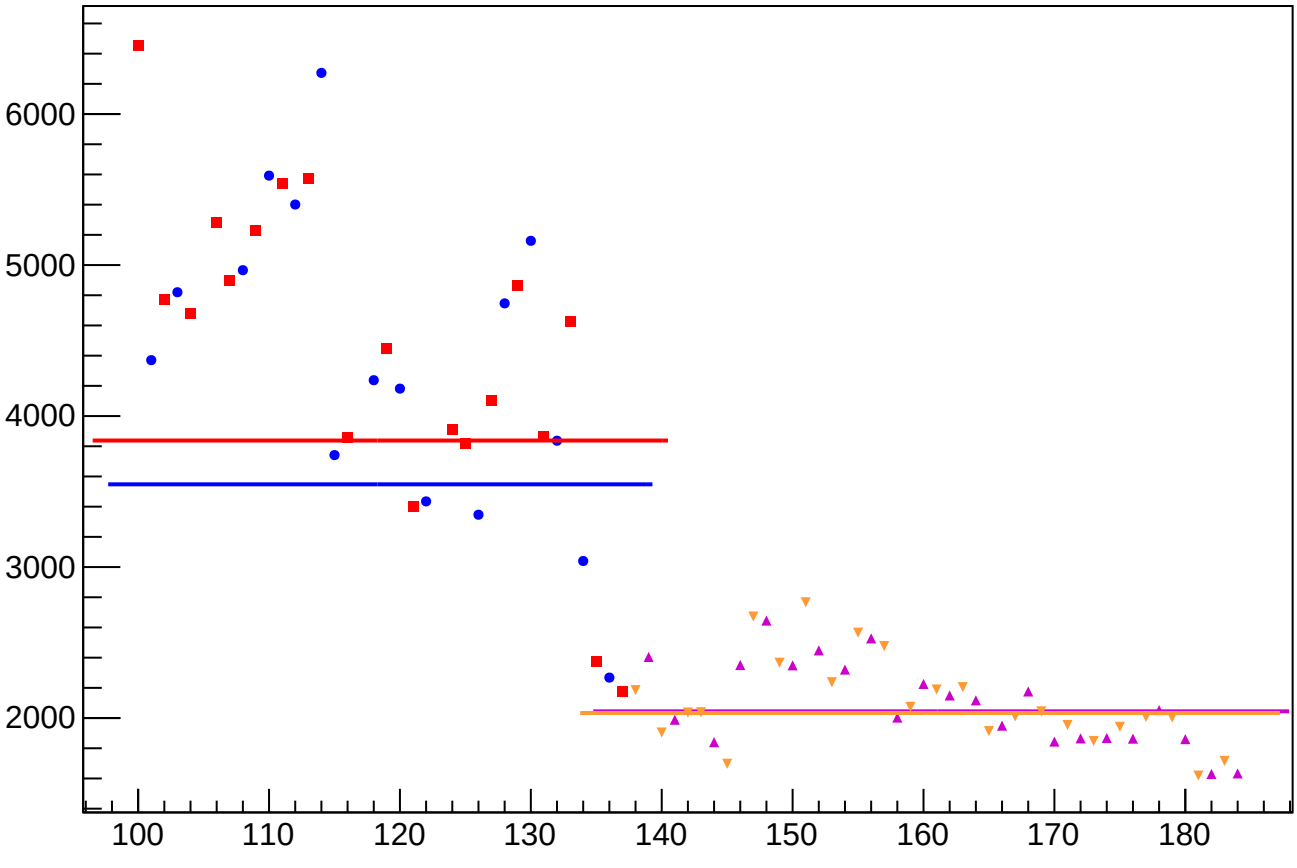
Left: -545.999+/-336.703 χ^2/NDF: 76.7/46

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -379.912+/-455.426 χ^2/NDF:55.0/38

Out: -852.433+/-447.657 χ^2/NDF:56.6/42

All: -620.237+/-319.253 χ^2/NDF: 112.1/81



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: 2044.523+/-0.341 χ^2/NDF:584918.7/22

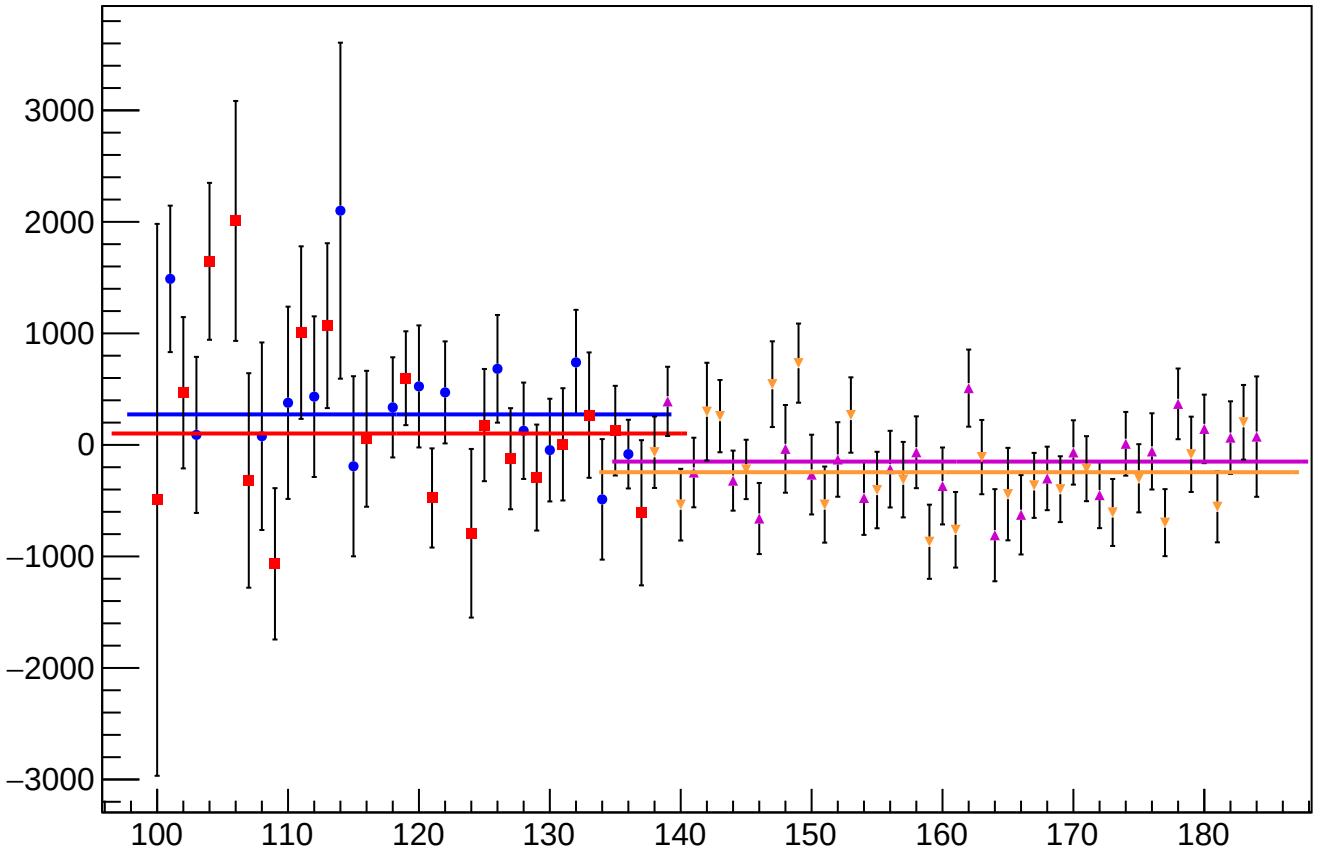
Left: 2038.850+/-0.238 χ^2/NDF: 1256093.9/46

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2207.289+/-0.322 χ^2/NDF:3947588.9/38

Out: 2202.934+/-0.317 χ^2/NDF:4592001.7/42

All: 2205.074+/-0.226 χ^2/NDF: 8539683.6/81



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: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -198.221+/-47.630 χ^2/NDF: 56.3/46

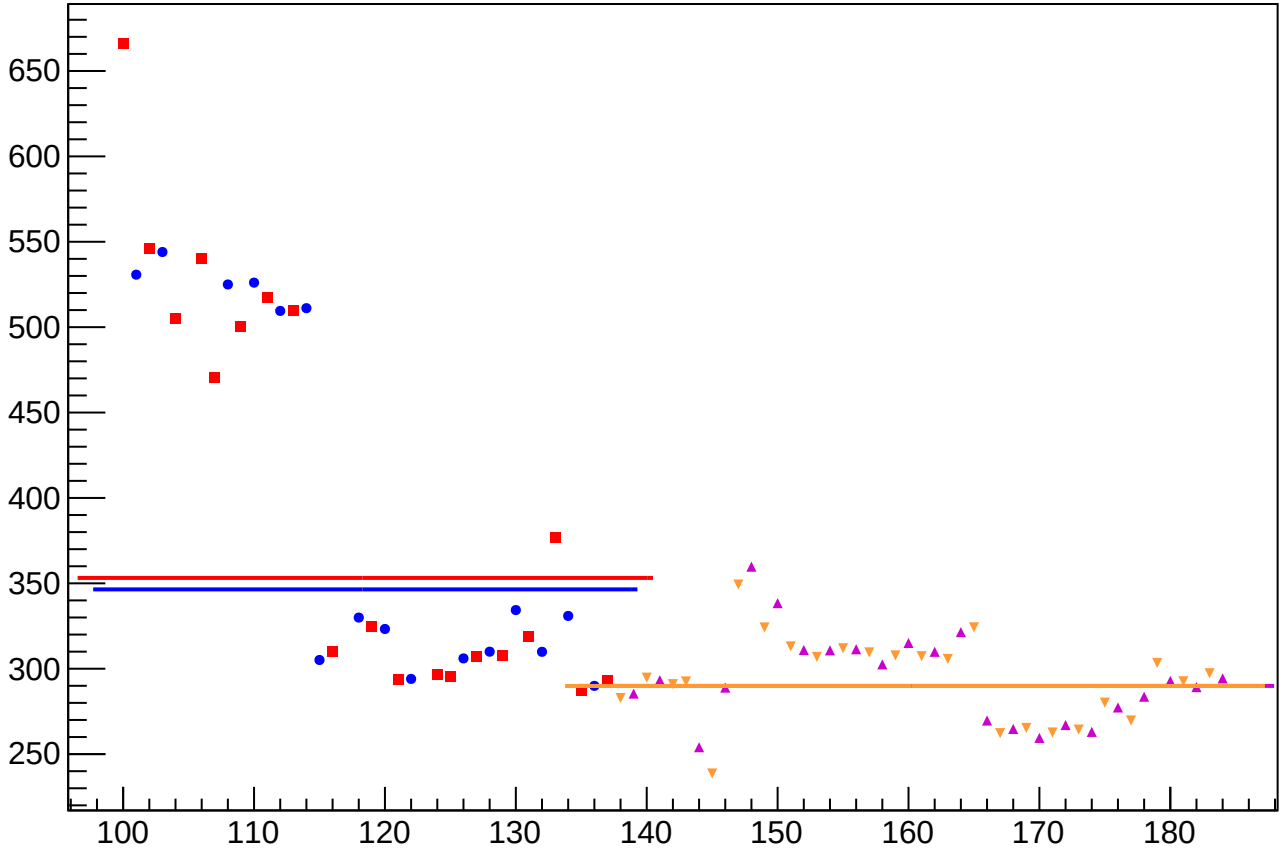
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -61.023+/-60.614 χ^2/NDF:41.2/38

Out: -175.648+/-59.595 χ^2/NDF:60.3/42

All: -119.307+/-42.496 χ^2/NDF: 103.3/81

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: 289.941+/-0.048 χ^2/NDF:269671.9/22

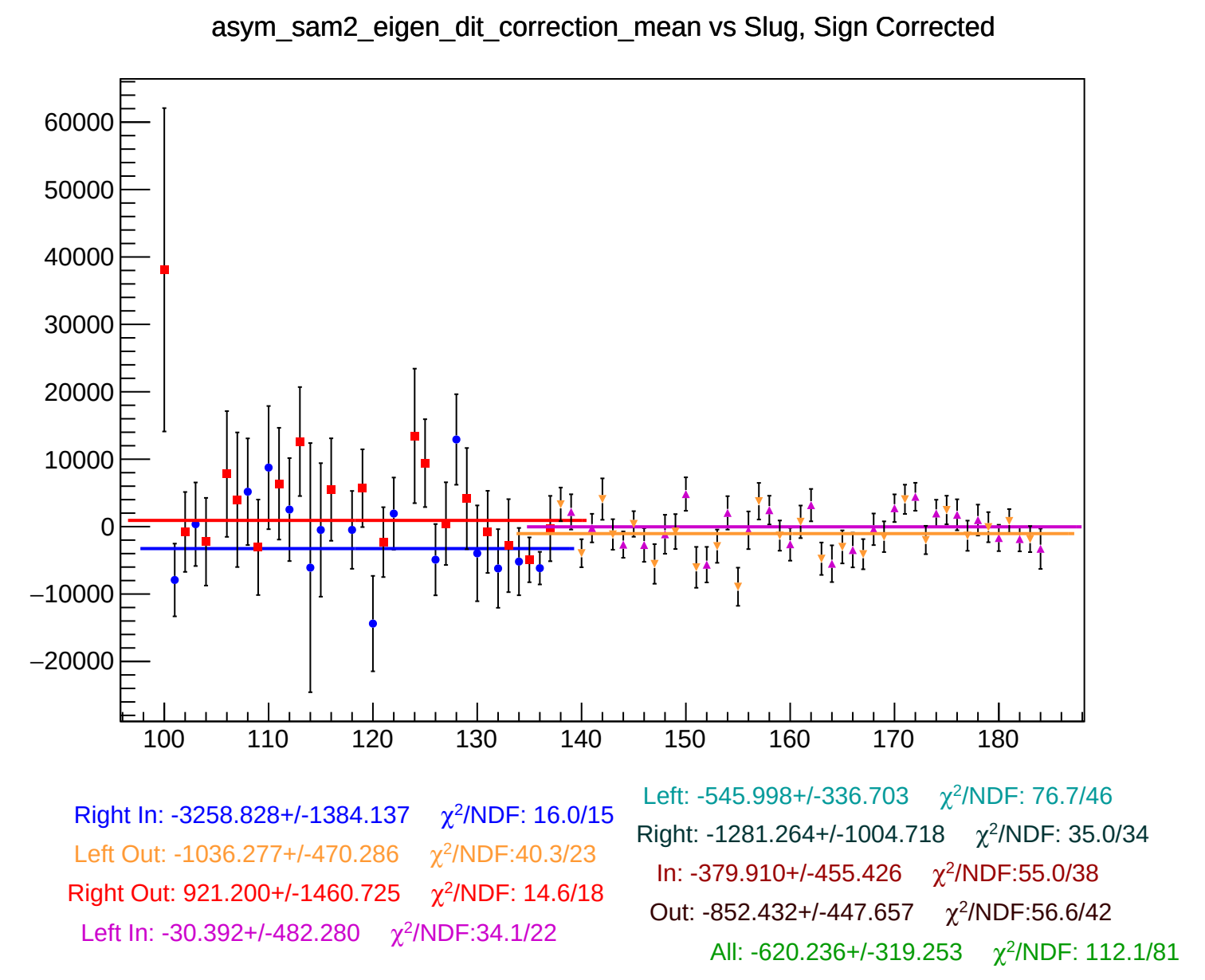
Left: 289.913+/-0.034 χ^2/NDF: 549643.8/46

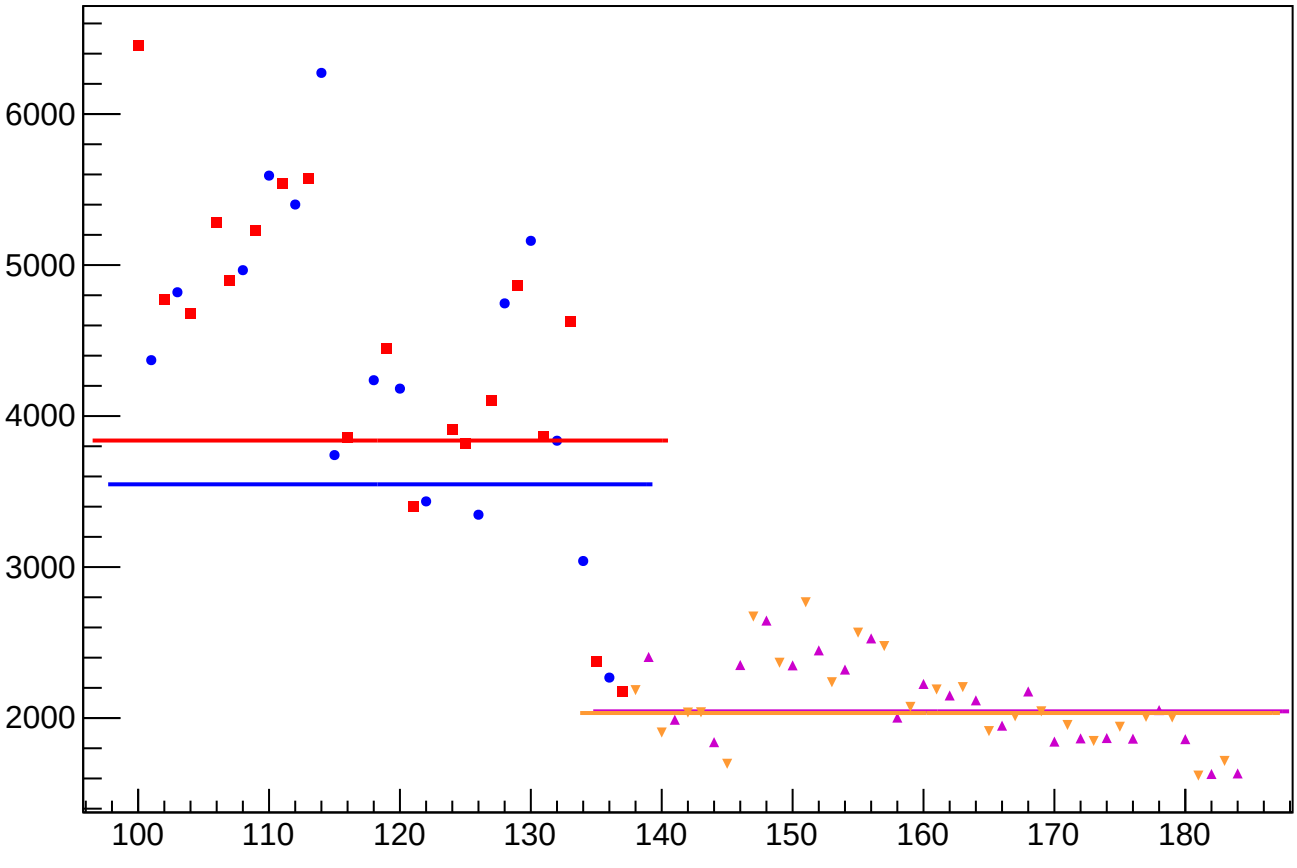
Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 301.761+/-0.043 χ^2/NDF:1325985.2/38

Out: 302.478+/-0.042 χ^2/NDF:1505842.4/42

All: 302.125+/-0.030 χ^2/NDF: 2831969.8/81


asym_sam2_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -3258.828+/-1384.137 χ²/NDF: 16.0/15
Left Out: -1036.277+/-470.286 χ²/NDF:40.3/23
Right Out: 921.200+/-1460.725 χ²/NDF: 14.6/18
Left In: -30.392+/-482.280 χ²/NDF:34.1/22
Left: -545.998+/-336.703 χ²/NDF: 76.7/46
Right: -1281.264+/-1004.718 χ²/NDF: 35.0/34
In: -379.910+/-455.426 χ²/NDF:55.0/38
Out: -852.432+/-447.657 χ²/NDF:56.6/42
All: -620.236+/-319.253 χ²/NDF: 112.1/81



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: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2038.850+/-0.238 χ^2/NDF: 1256102.5/46

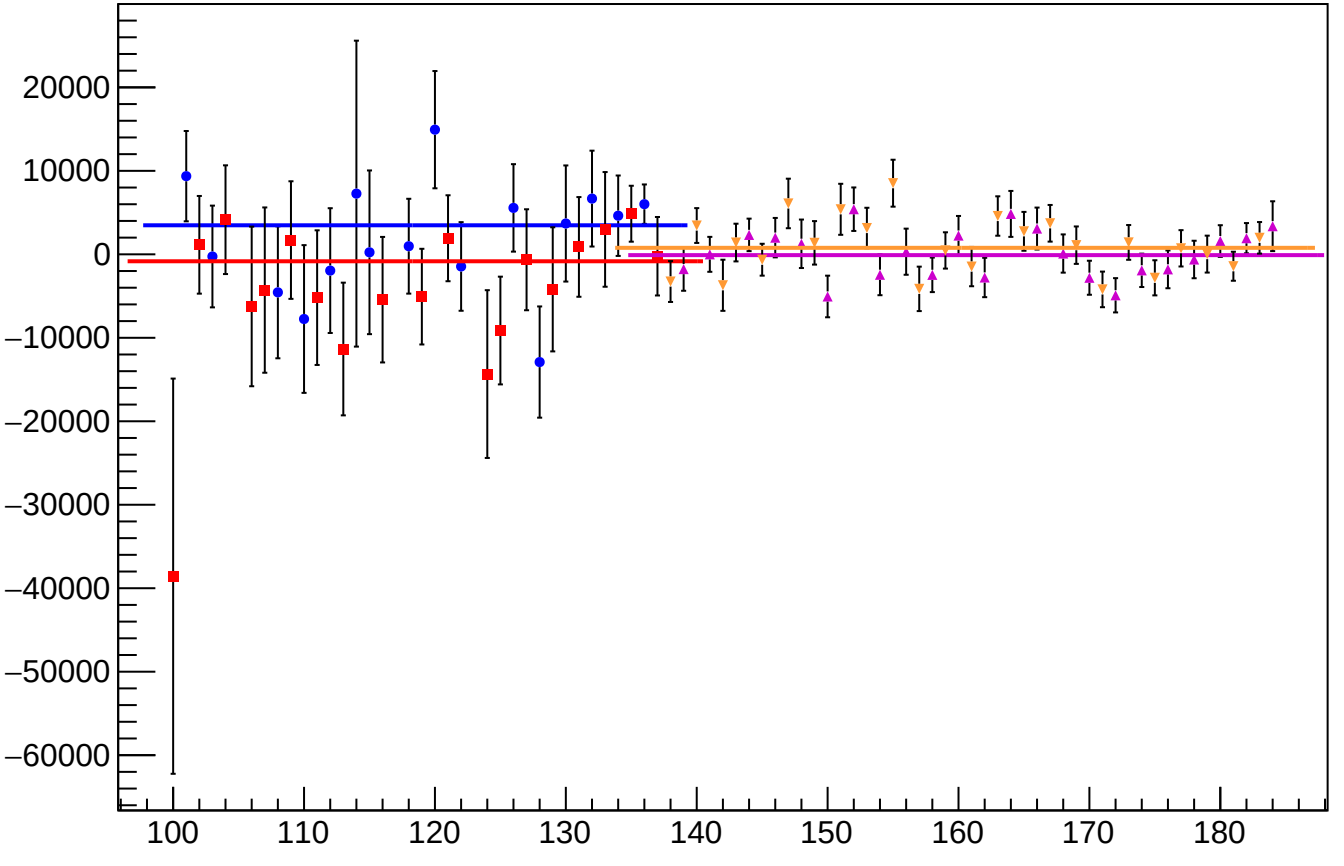
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2207.289+/-0.322 χ^2/NDF:3947575.6/38

Out: 2202.934+/-0.317 χ^2/NDF:4591989.4/42

All: 2205.074+/-0.226 χ^2/NDF: 8539658.0/81

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: -96.730+/-474.825 χ^2/NDF:32.8/22

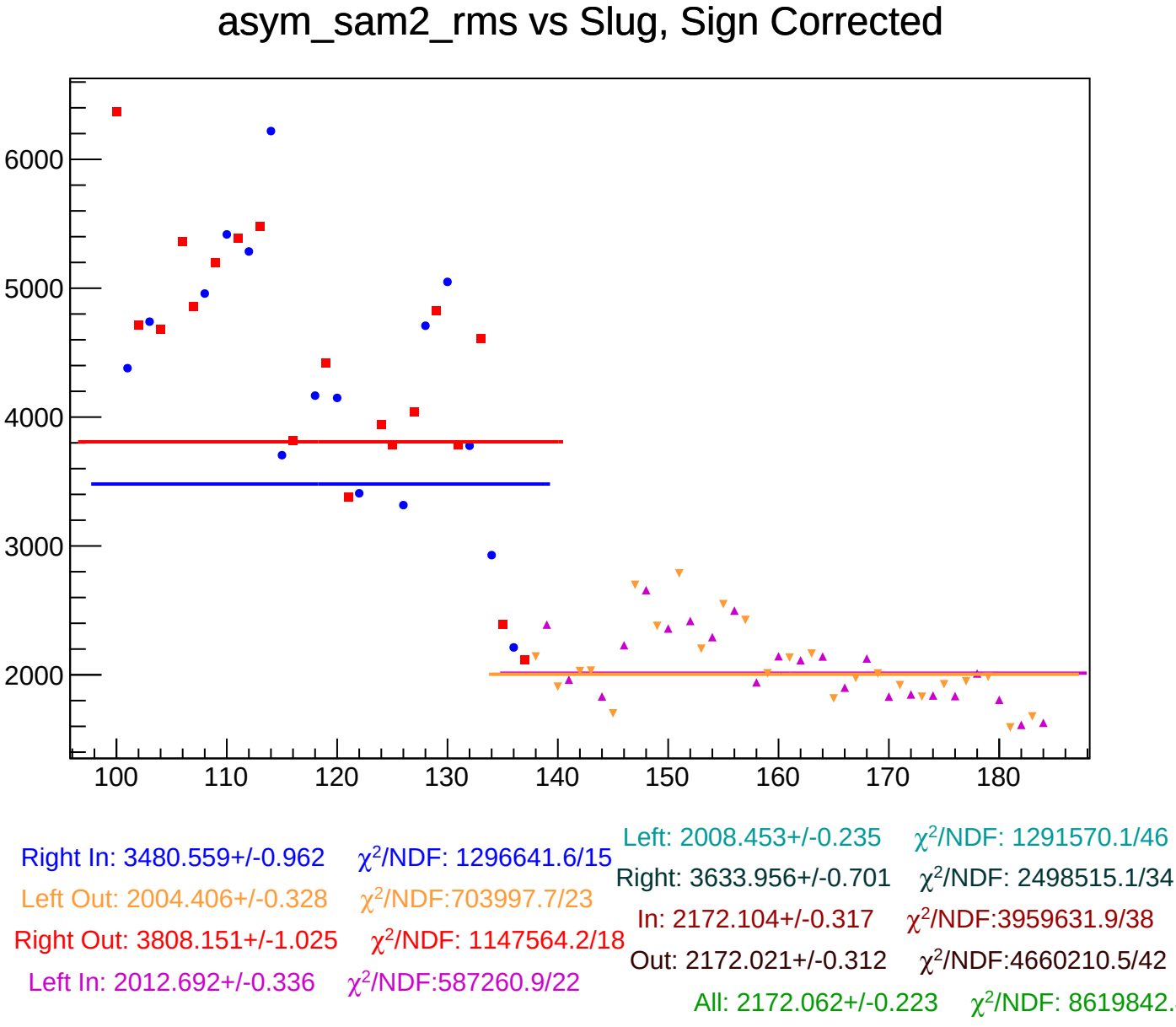
Left: 350.994+/-331.855 χ^2/NDF: 75.9/46

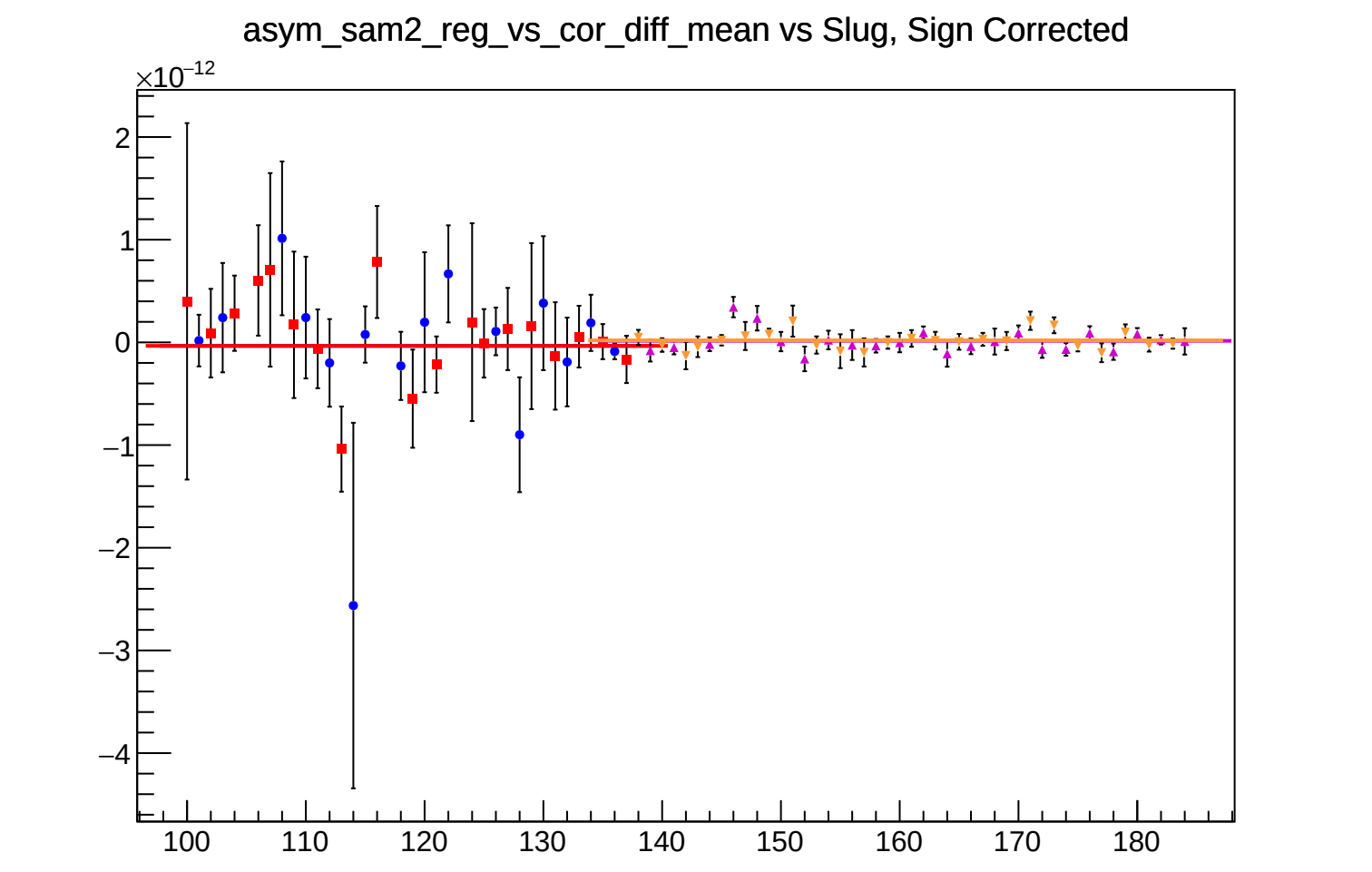
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 291.530+/-448.301 χ^2/NDF:55.3/38

Out: 628.806+/-441.907 χ^2/NDF:56.4/42

All: 462.591+/-314.712 χ^2/NDF: 112.0/81


asym_sam2_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3480.559+/-0.962 χ²/NDF: 1296641.6/15
Left Out: 2004.406+/-0.328 χ²/NDF:703997.7/23
Right Out: 3808.151+/-1.025 χ²/NDF: 1147564.2/18
Left In: 2012.692+/-0.336 χ²/NDF:587260.9/22
Left: 2008.453+/-0.235 χ²/NDF: 1291570.1/46
Right: 3633.956+/-0.701 χ²/NDF: 2498515.1/34
In: 2172.104+/-0.317 χ²/NDF:3959631.9/38
Out: 2172.021+/-0.312 χ²/NDF:4660210.5/42
All: 2172.062+/-0.223 χ²/NDF: 8619842.4/81



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:30.6/22

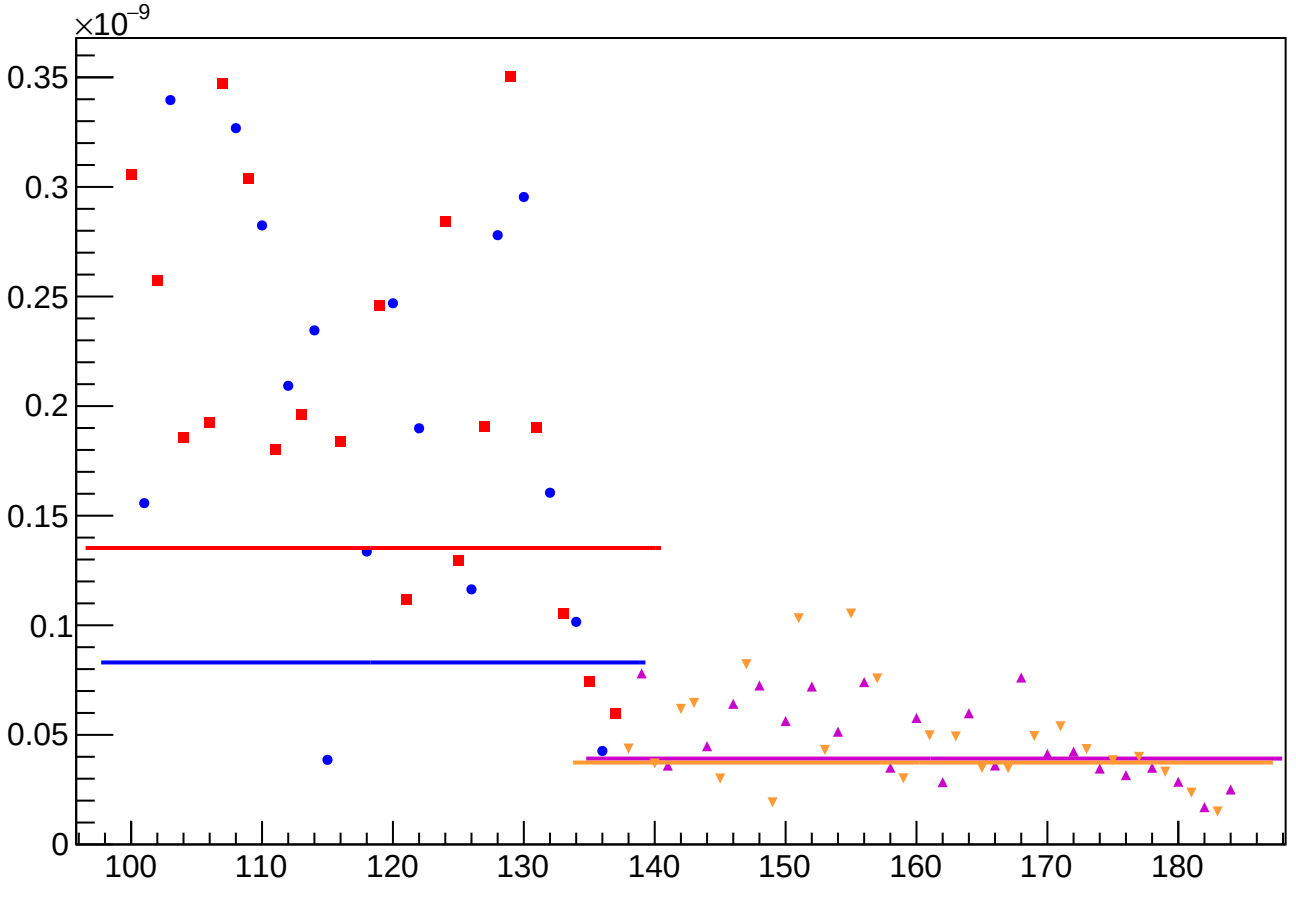
Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:43.2/38

Out: 0.000+/-0.000 χ^2/NDF:33.3/42

All: 0.000+/-0.000 χ^2/NDF: 76.6/81



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:1921481.4/22

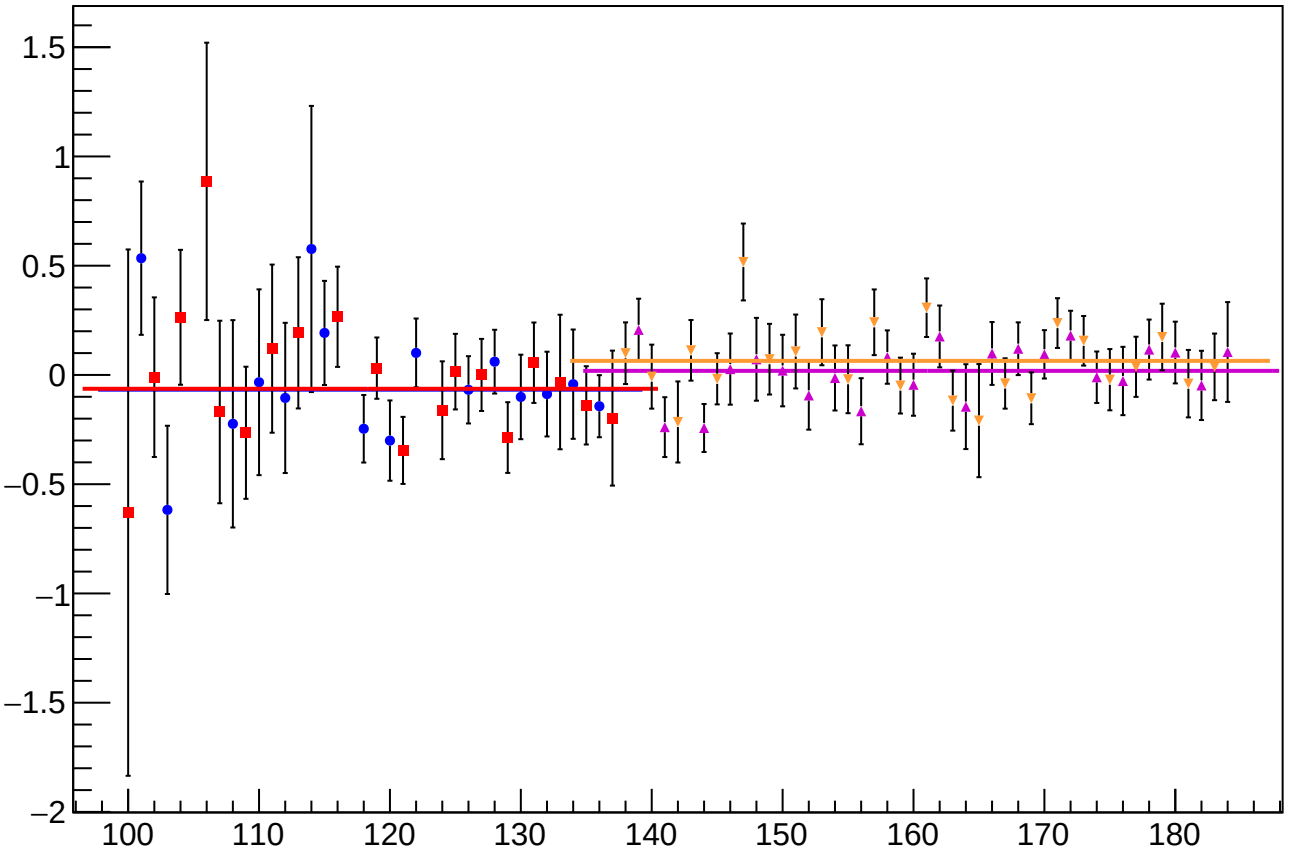
Left: 0.000+/-0.000 χ^2/NDF: 4253388.6/46

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:5600557.2/38

Out: 0.000+/-0.000 χ^2/NDF:6298635.5/42

All: 0.000+/-0.000 χ^2/NDF: 11910826.5/81



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: 0.019+/-0.029 χ^2/NDF:20.3/22

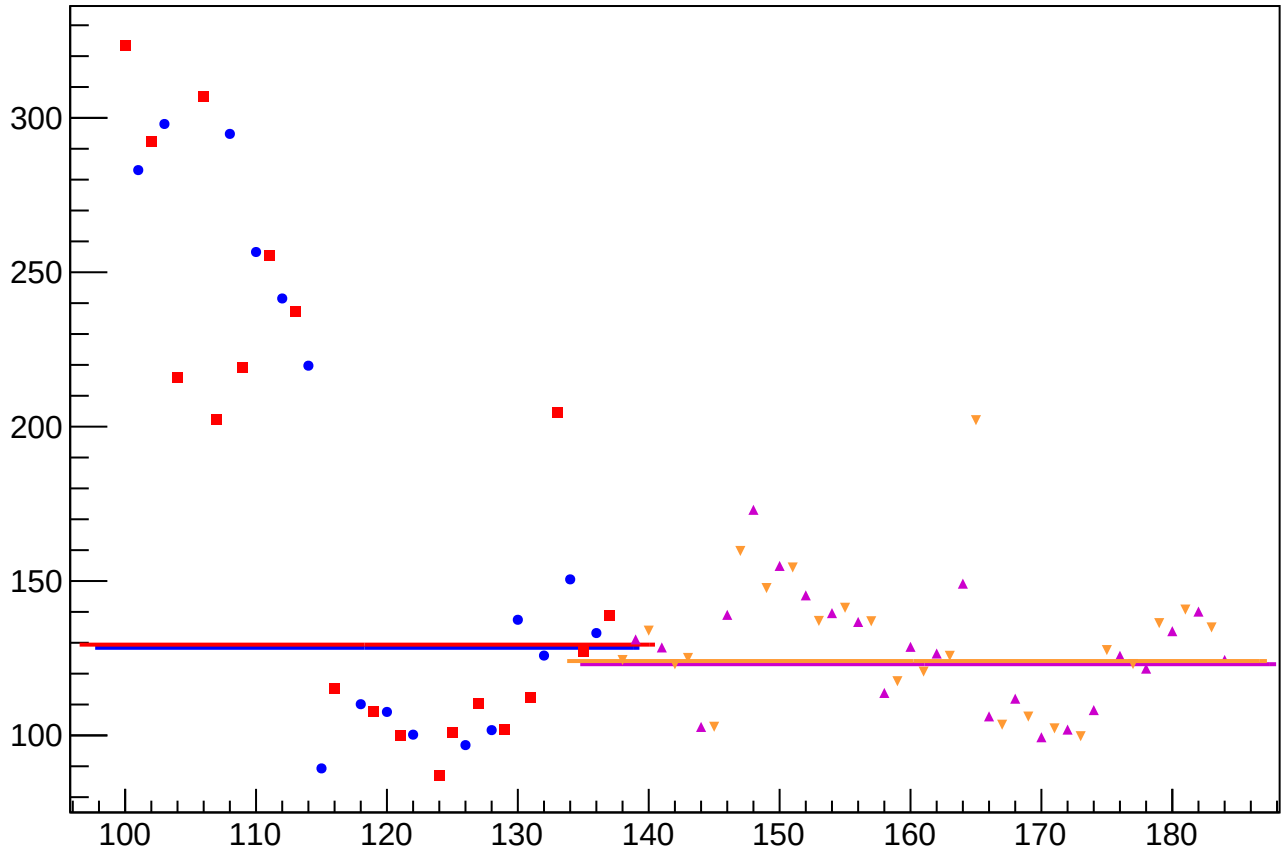
Left: 0.042+/-0.021 χ^2/NDF: 48.1/46

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.002+/-0.026 χ^2/NDF:34.9/38

Out: 0.034+/-0.025 χ^2/NDF:45.2/42

All: 0.016+/-0.018 χ^2/NDF: 81.1/81



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: 123.062+/-0.021 χ^2/NDF:718821.1/22

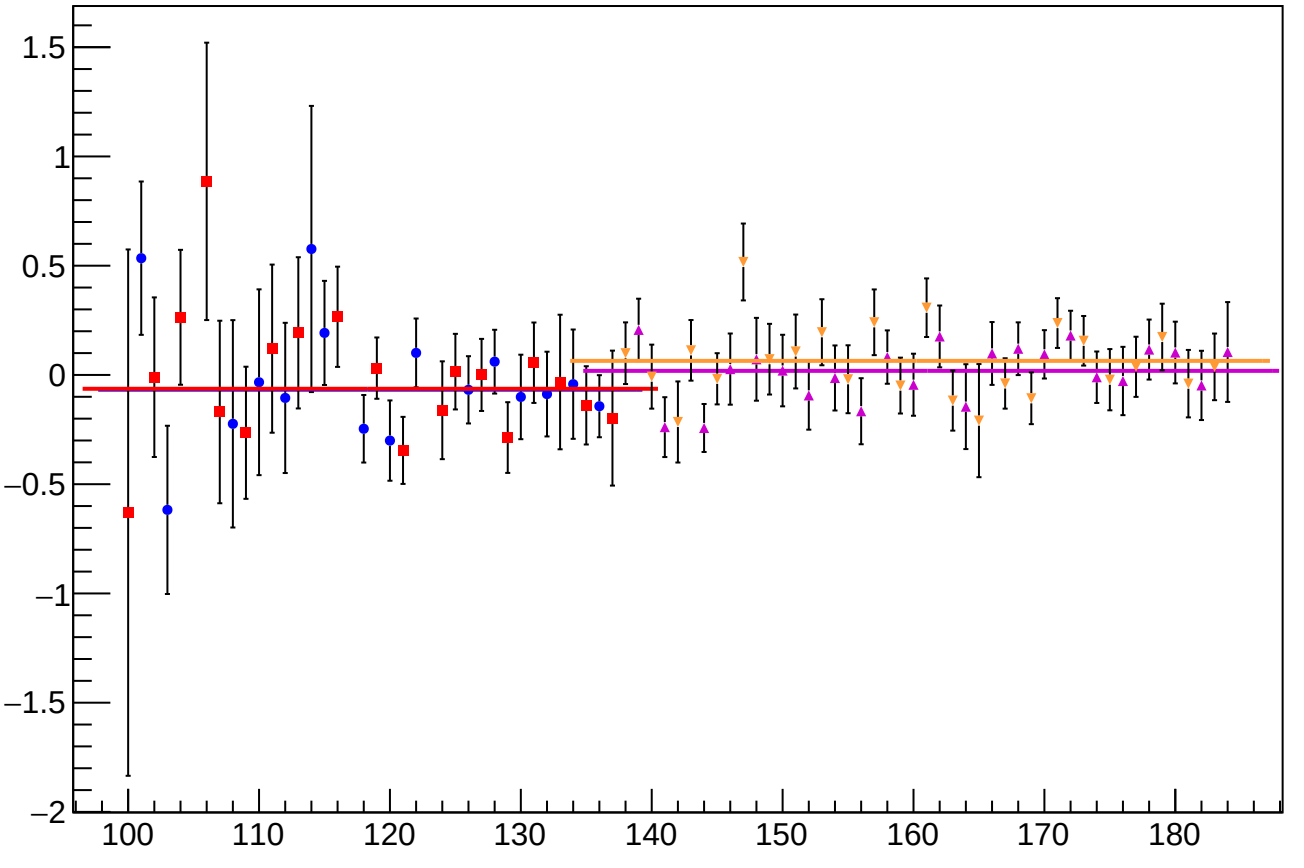
Left: 123.580+/-0.015 χ^2/NDF: 1550334.0/46

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 124.354+/-0.018 χ^2/NDF:2539875.3/38

Out: 125.344+/-0.018 χ^2/NDF:2734748.2/42

All: 124.856+/-0.013 χ^2/NDF: 5276149.8/81



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: 0.019+/-0.029 χ^2/NDF:20.3/22

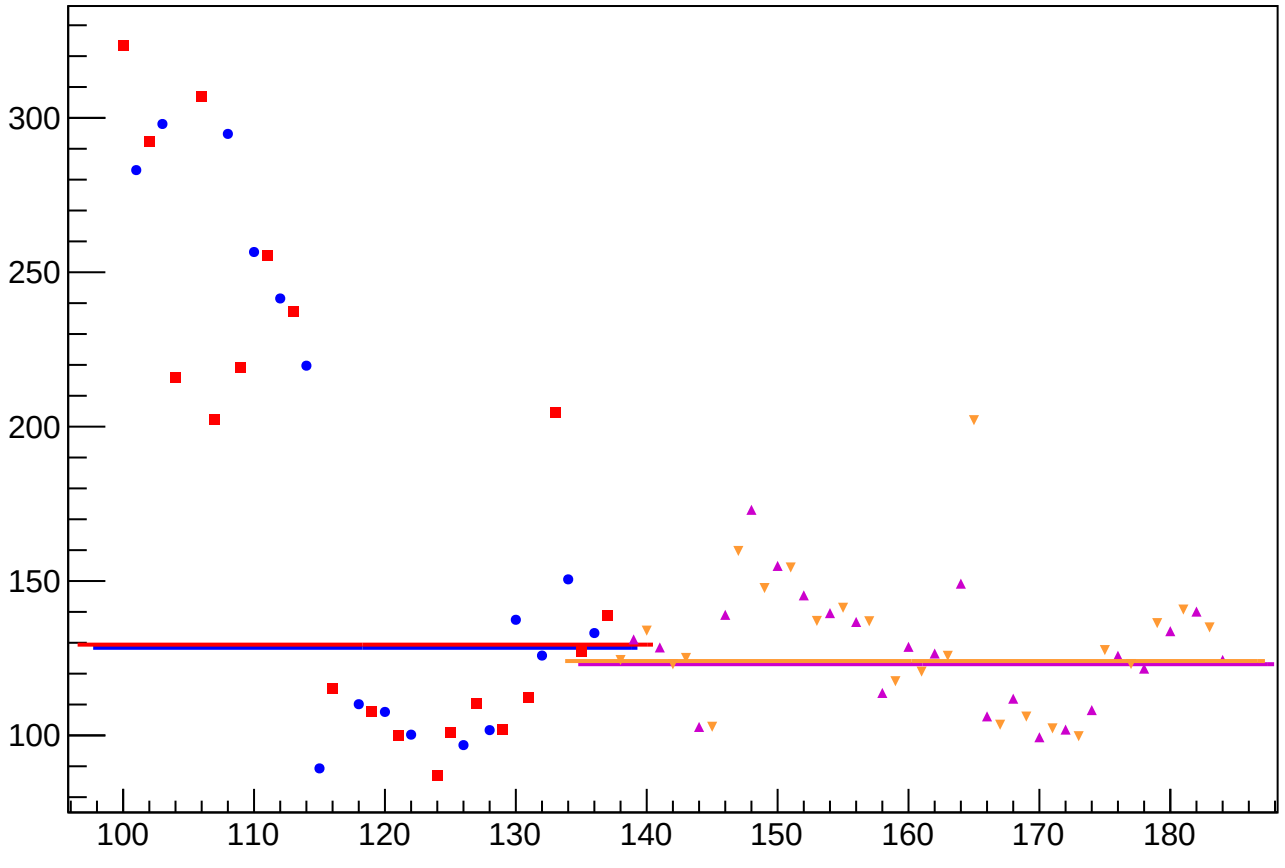
Left: 0.042+/-0.021 χ^2/NDF: 48.1/46

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.002+/-0.026 χ^2/NDF:34.9/38

Out: 0.034+/-0.025 χ^2/NDF:45.2/42

All: 0.016+/-0.018 χ^2/NDF: 81.1/81



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: 123.062+/-0.021 χ^2/NDF:718821.1/22

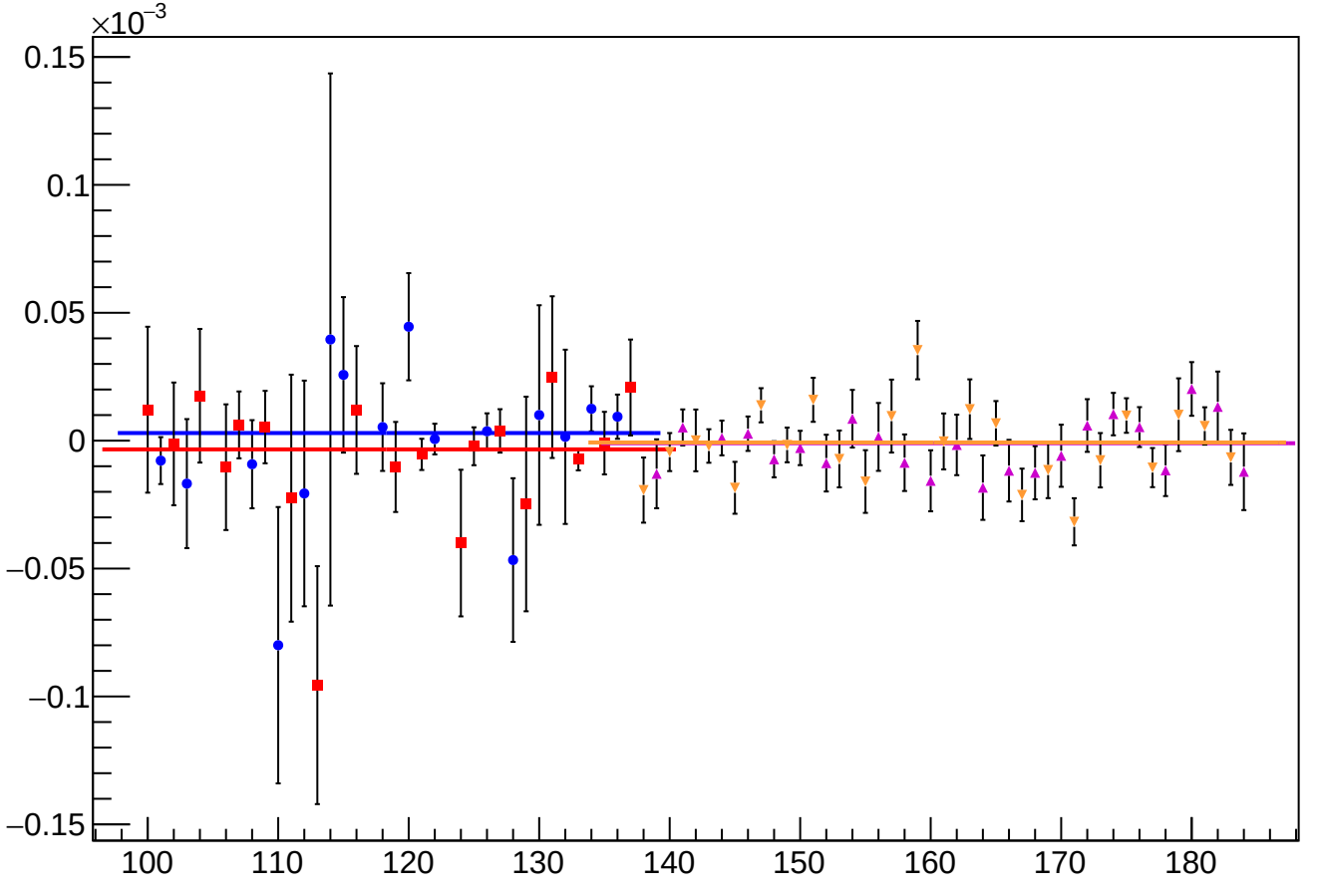
Left: 123.580+/-0.015 χ^2/NDF: 1550334.0/46

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 124.354+/-0.018 χ^2/NDF:2539875.3/38

Out: 125.344+/-0.018 χ^2/NDF:2734748.2/42

All: 124.856+/-0.013 χ^2/NDF: 5276149.8/81



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:20.0/22

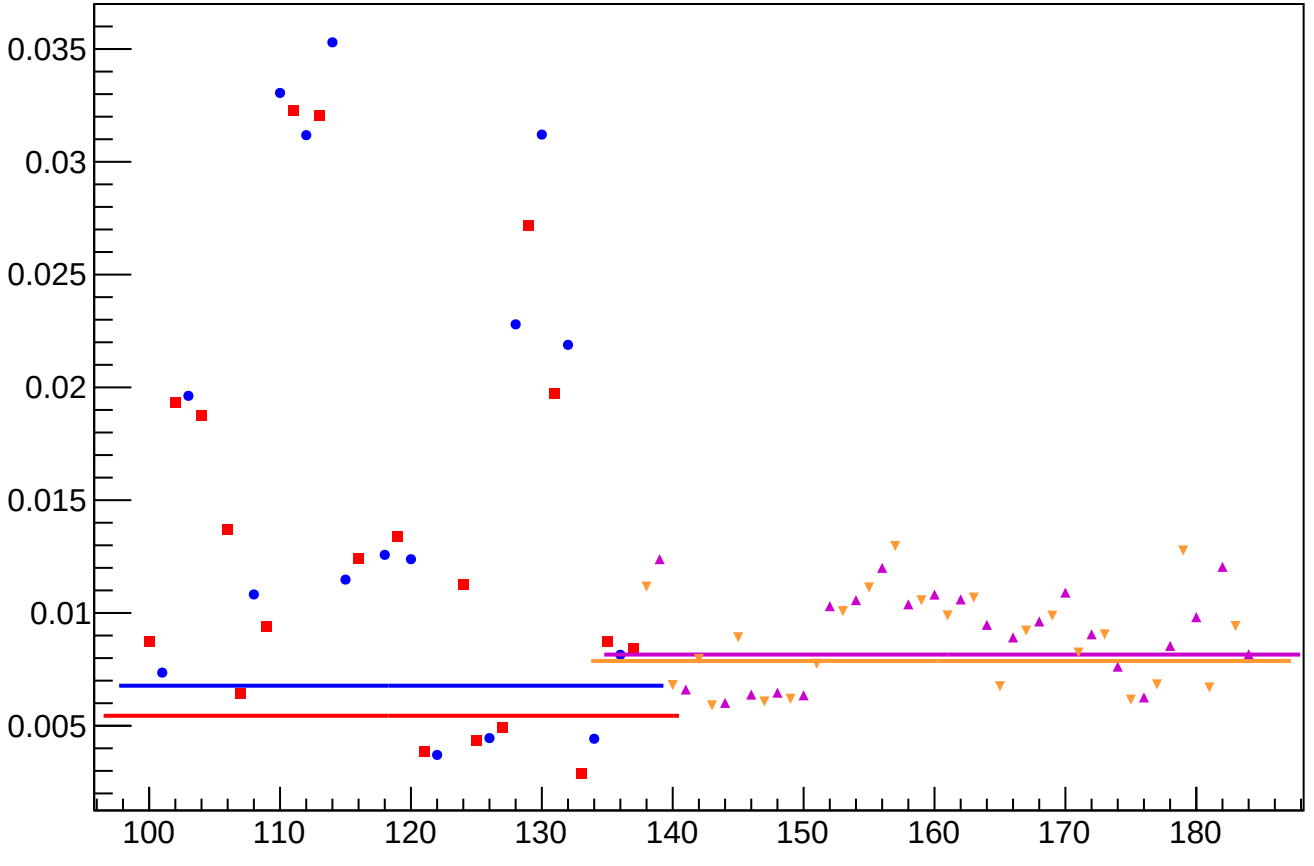
Left: -0.000+/-0.000 χ^2/NDF: 70.8/46

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:35.2/38

Out: -0.000+/-0.000 χ^2/NDF:64.1/42

All: -0.000+/-0.000 χ^2/NDF: 99.9/81



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:2017677.5/22

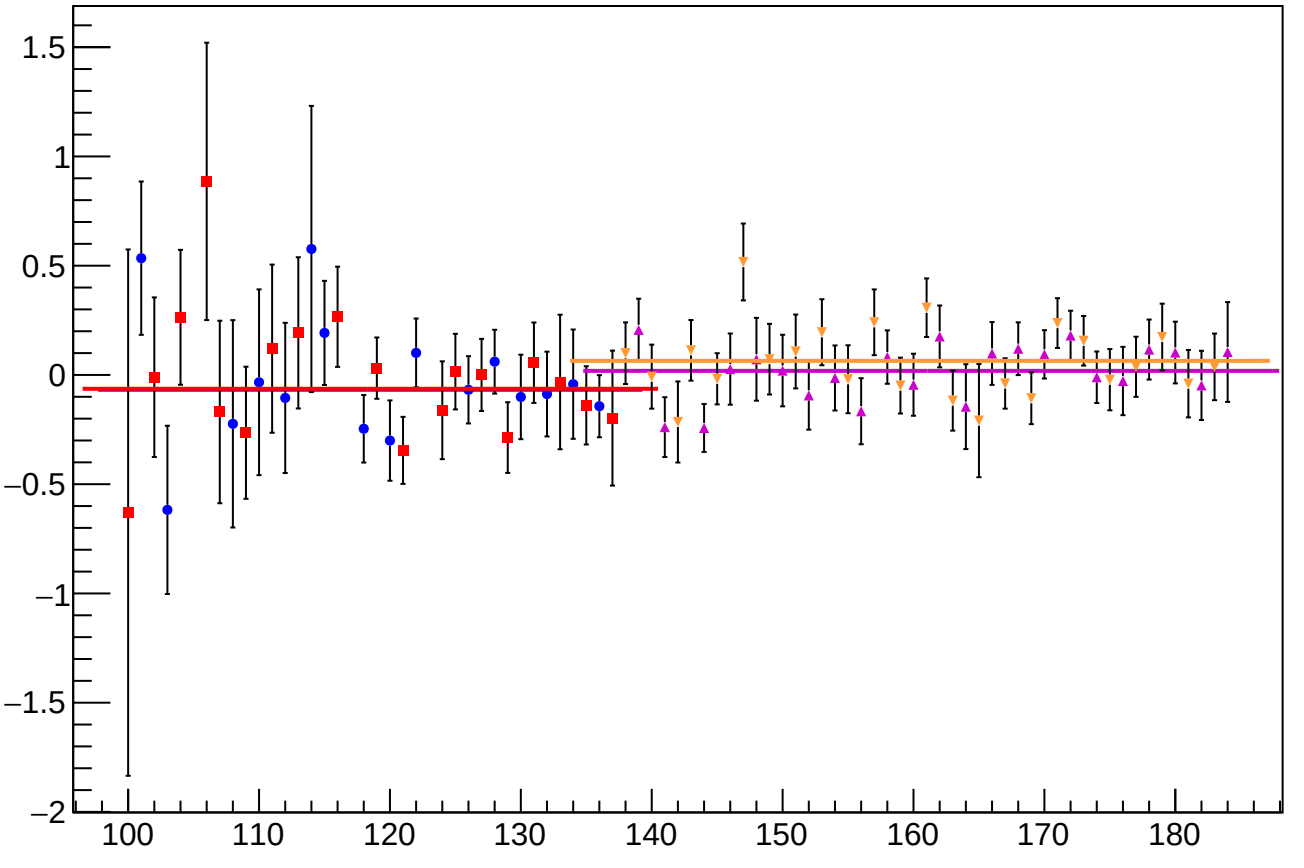
Left: 0.008+/-0.000 χ^2/NDF: 4113046.7/46

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.008+/-0.000 χ^2/NDF:7066007.5/38

Out: 0.007+/-0.000 χ^2/NDF:8802195.3/42

All: 0.007+/-0.000 χ^2/NDF: 16069600.4/81



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: 0.019+/-0.029 χ^2/NDF:20.3/22

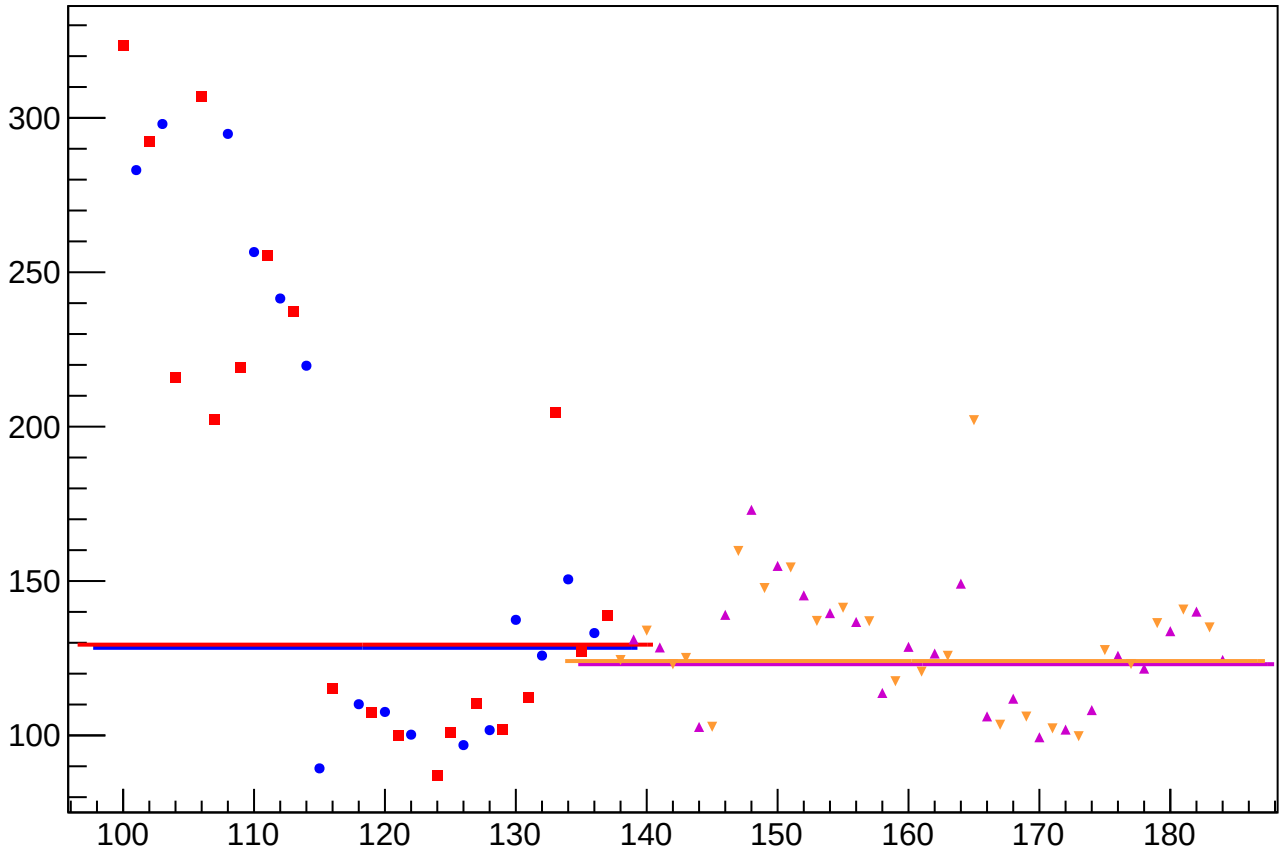
Left: 0.042+/-0.021 χ^2/NDF: 48.1/46

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.002+/-0.026 χ^2/NDF:34.9/38

Out: 0.034+/-0.025 χ^2/NDF:45.2/42

All: 0.016+/-0.018 χ^2/NDF: 81.1/81



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: 123.062+/-0.021 χ^2/NDF:718844.3/22

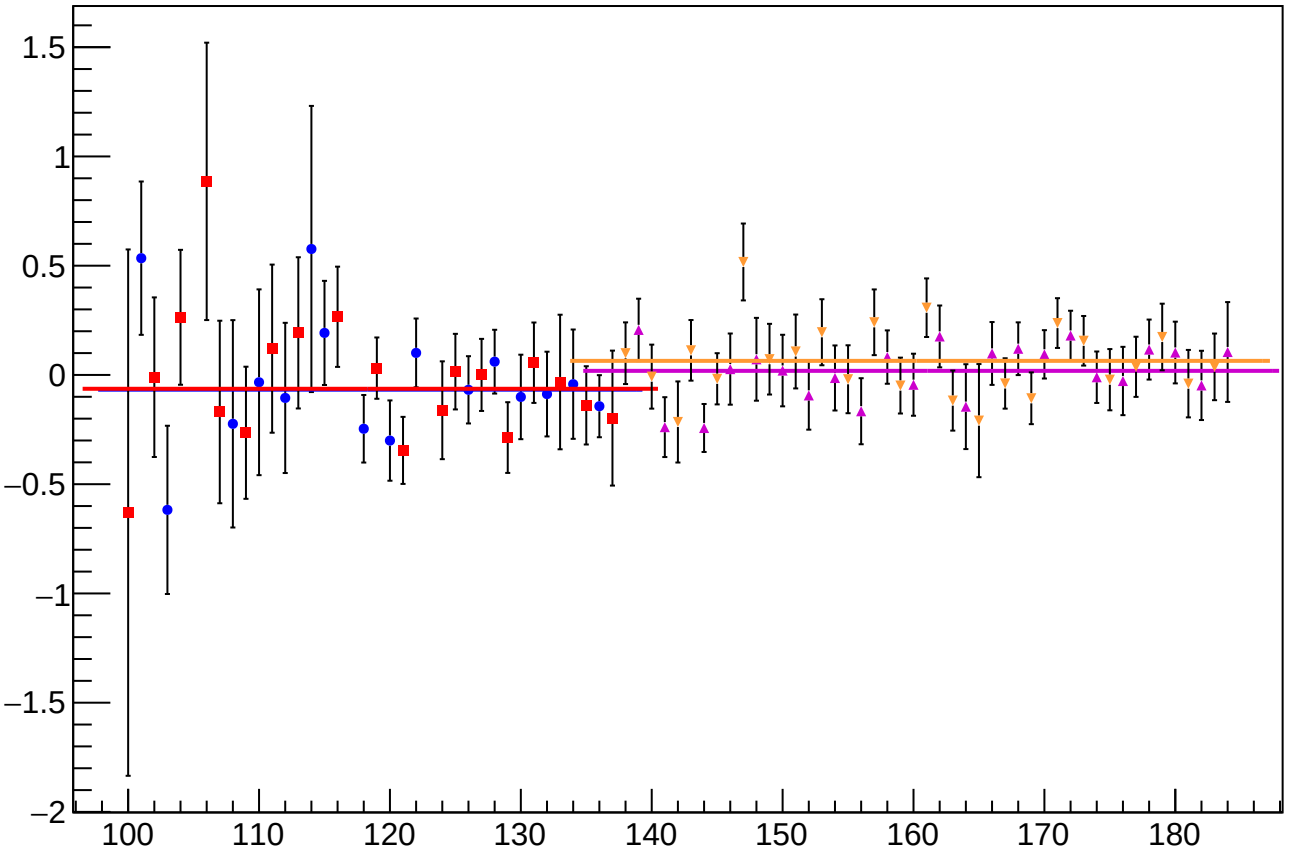
Left: 123.579+/-0.015 χ^2/NDF: 1550407.1/46

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 124.353+/-0.018 χ^2/NDF:2539830.6/38

Out: 125.344+/-0.018 χ^2/NDF:2734781.5/42

All: 124.855+/-0.013 χ^2/NDF: 5276138.6/81



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: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.042+/-0.021 χ^2/NDF: 48.1/46

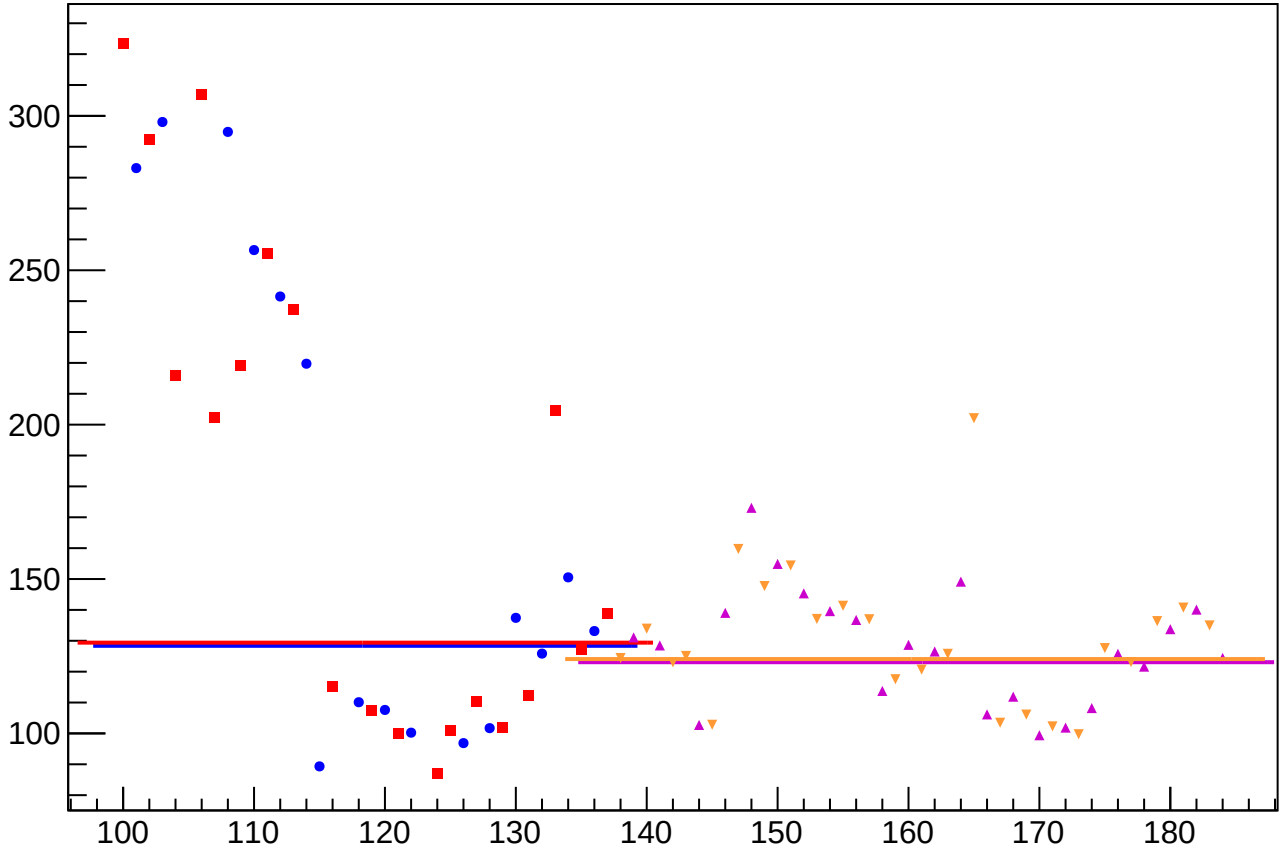
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.002+/-0.026 χ^2/NDF:34.9/38

Out: 0.034+/-0.025 χ^2/NDF:45.2/42

All: 0.016+/-0.018 χ^2/NDF: 81.1/81

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: 123.062+/-0.021 χ^2/NDF:718844.3/22

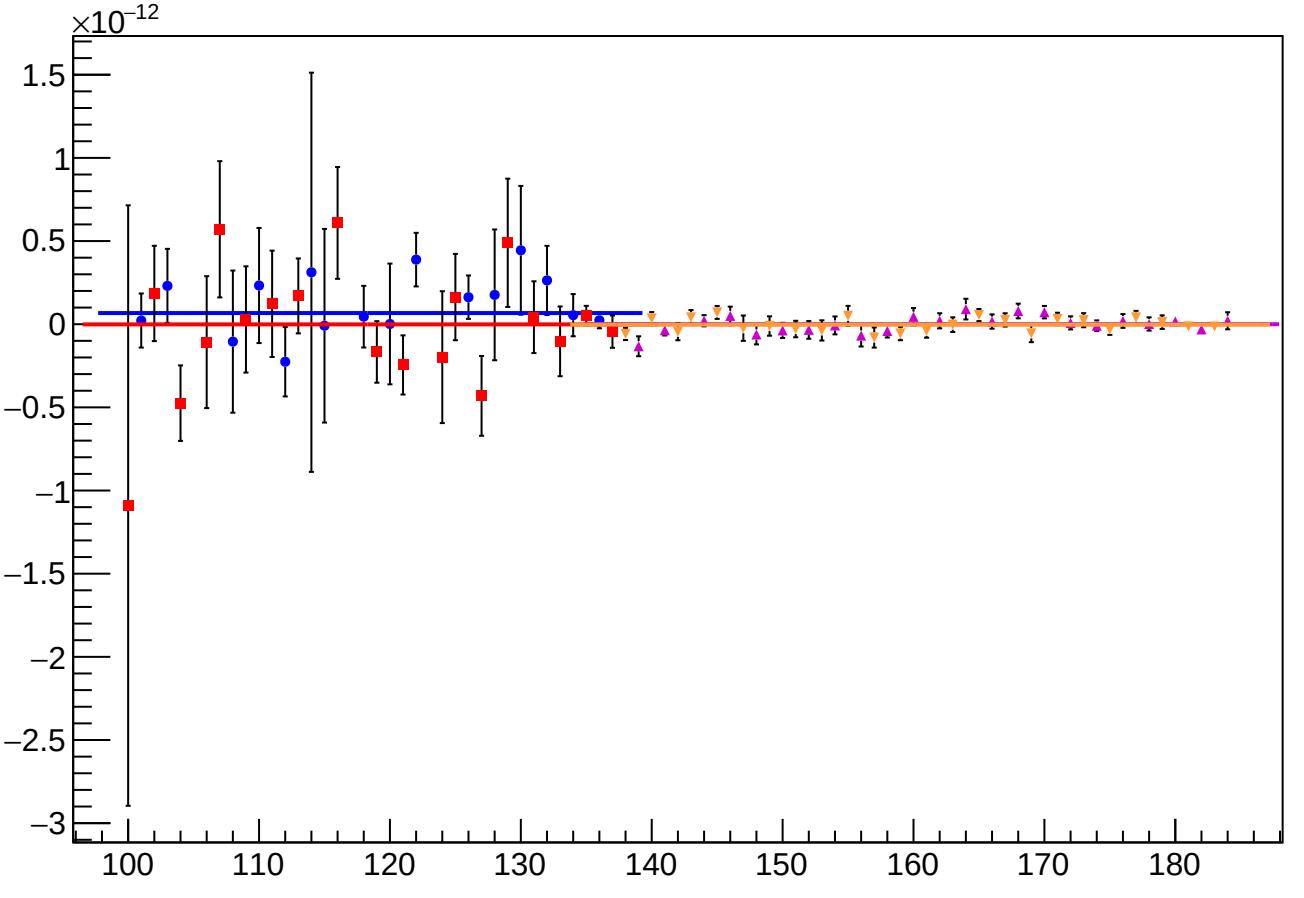
Left: 123.579+/-0.015 χ^2/NDF: 1550407.1/46

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 124.353+/-0.018 χ^2/NDF:2539830.6/38

Out: 125.344+/-0.018 χ^2/NDF:2734781.5/42

All: 124.855+/-0.013 χ^2/NDF: 5276138.6/81



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:24.6/22

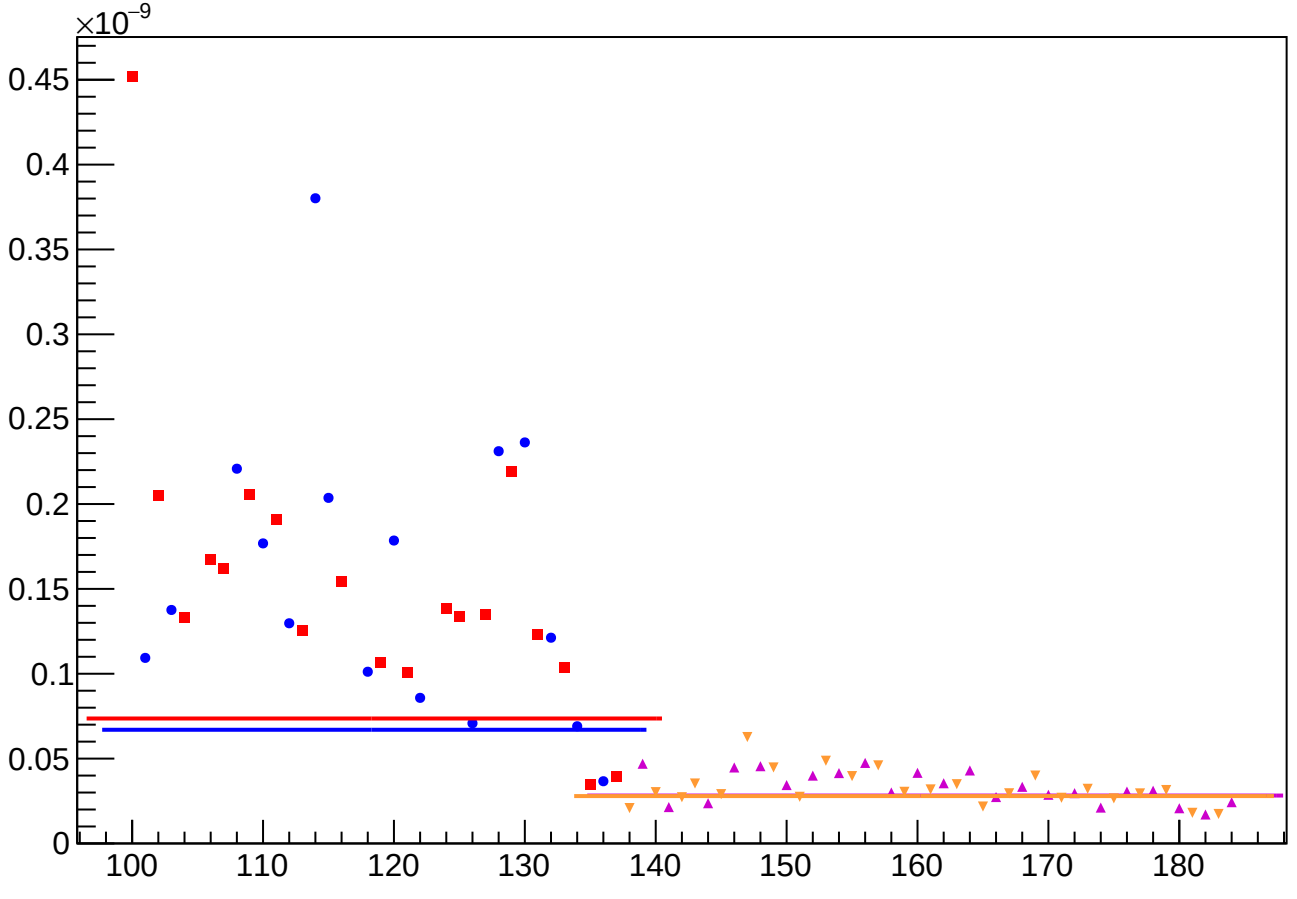
Left: -0.000+/-0.000 χ^2/NDF: 46.5/46

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:38.3/38

Out: -0.000+/-0.000 χ^2/NDF:42.5/42

All: 0.000+/-0.000 χ^2/NDF: 81.1/81



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:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4447174.4/46

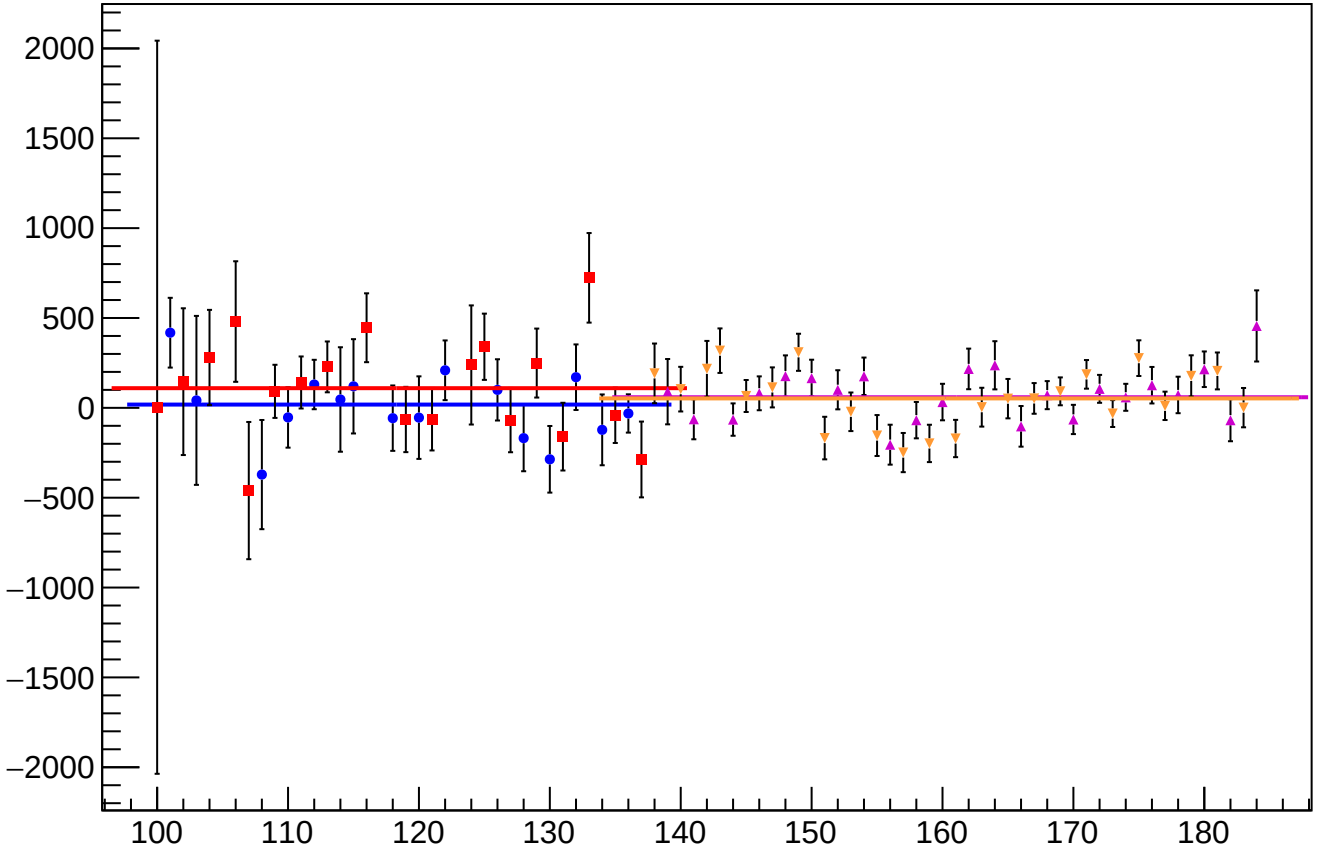
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:7558894.6/38

Out: 0.000+/-0.000 χ^2/NDF:8492746.3/42

All: 0.000+/-0.000 χ^2/NDF: 16054473.0/81

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: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 55.679+/-14.789 χ^2/NDF: 82.6/46

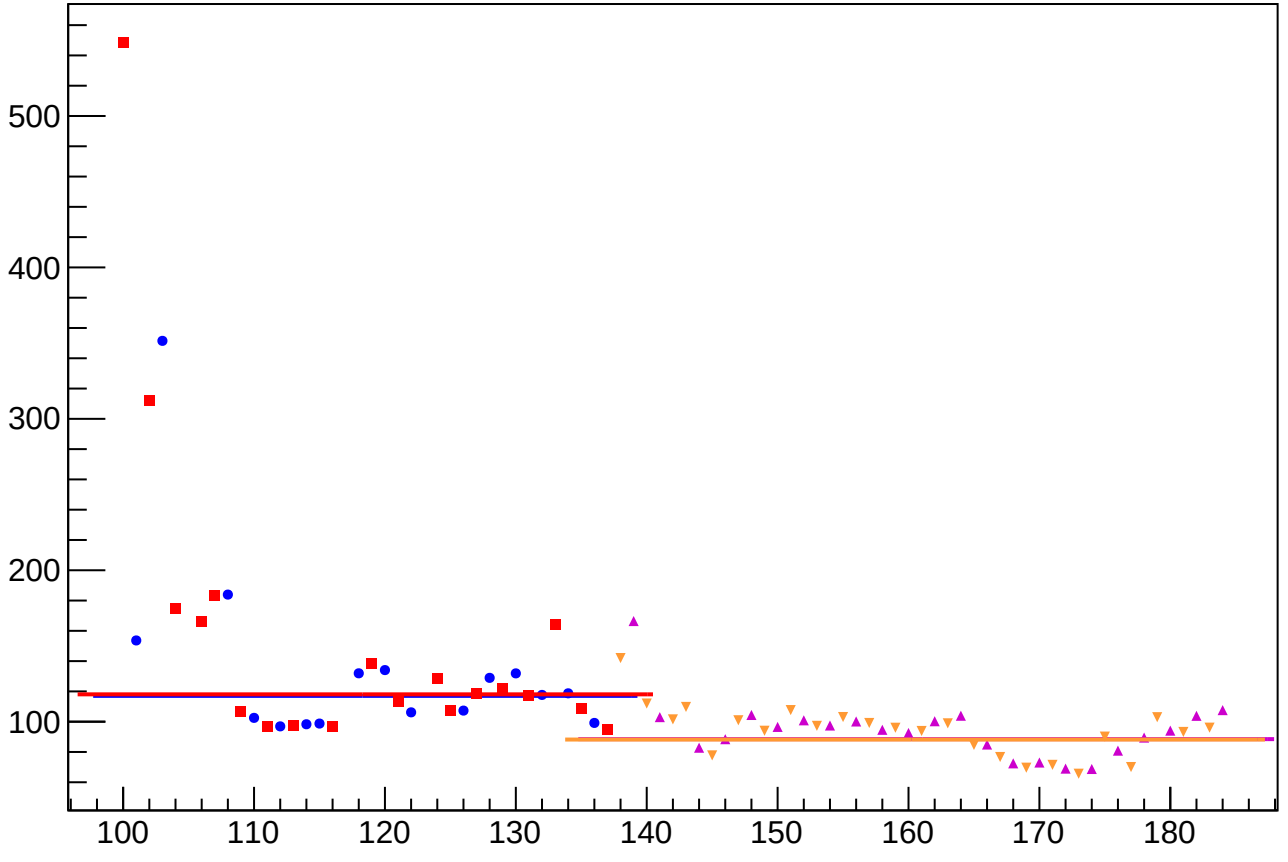
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 51.812+/-19.199 χ^2/NDF:45.1/38

Out: 62.127+/-18.850 χ^2/NDF:78.7/42

All: 57.064+/-13.451 χ^2/NDF: 124.0/81

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: 88.482+/-0.015 χ^2/NDF:1075689.1/22

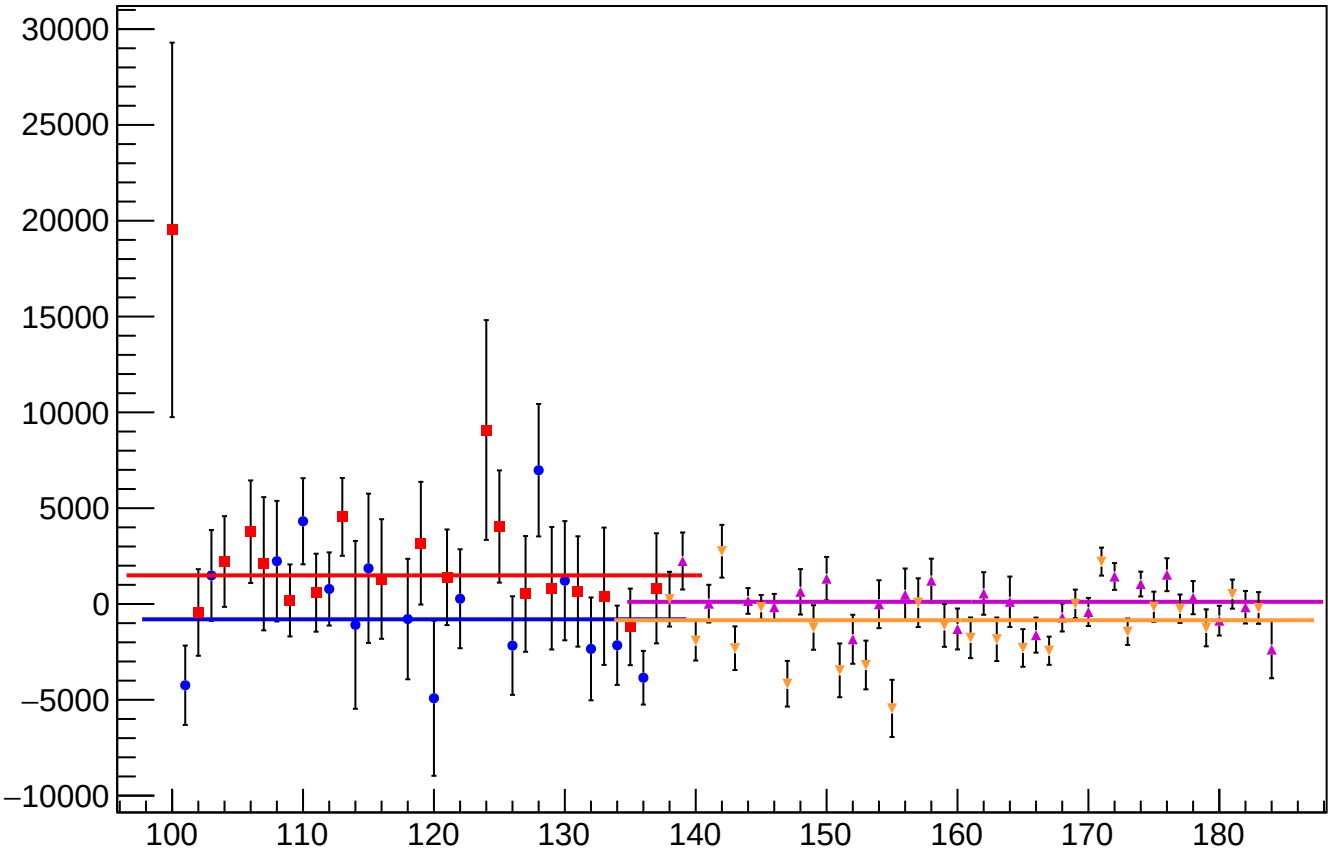
Left: 88.341+/-0.010 χ^2/NDF: 2232154.7/46

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 93.526+/-0.014 χ^2/NDF:2578159.0/38

Out: 93.257+/-0.013 χ^2/NDF:2852163.7/42

All: 93.389+/-0.010 χ^2/NDF: 5430522.3/81



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: 112.483+/-190.269 χ^2/NDF:27.1/22

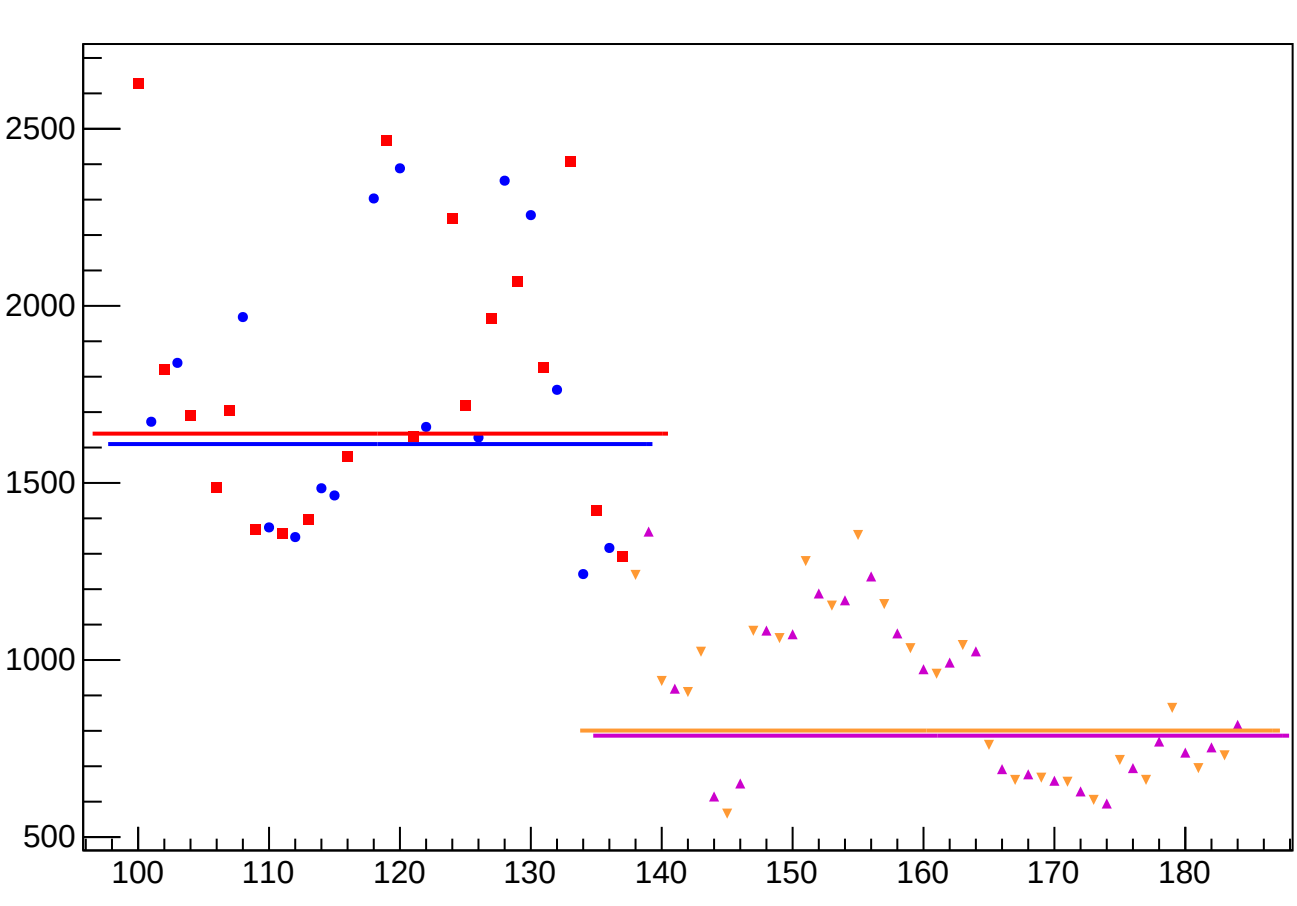
Left: -367.606+/-134.453 χ^2/NDF: 109.3/46

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: 33.087+/-181.795 χ^2/NDF:52.5/38

Out: -641.330+/-181.503 χ^2/NDF:95.7/42

All: -304.665+/-128.445 χ^2/NDF: 155.1/81



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: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 793.581+/-0.095 χ^2/NDF: 4537361.1/46

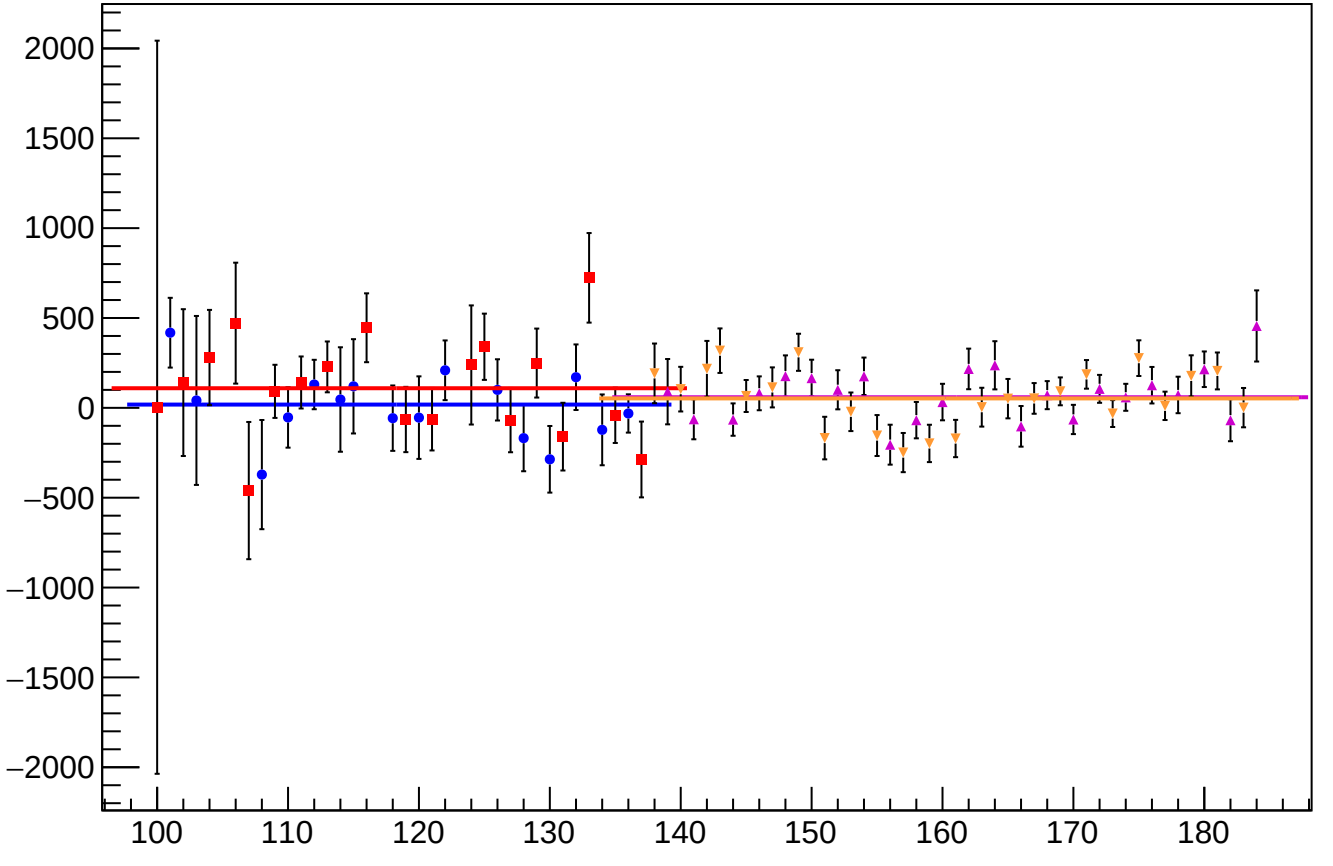
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 858.053+/-0.129 χ^2/NDF:6038222.0/38

Out: 874.288+/-0.128 χ^2/NDF:6307686.4/42

All: 866.184+/-0.091 χ^2/NDF: 12353896.5/81

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: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 55.683+/-14.789 χ^2/NDF: 82.6/46

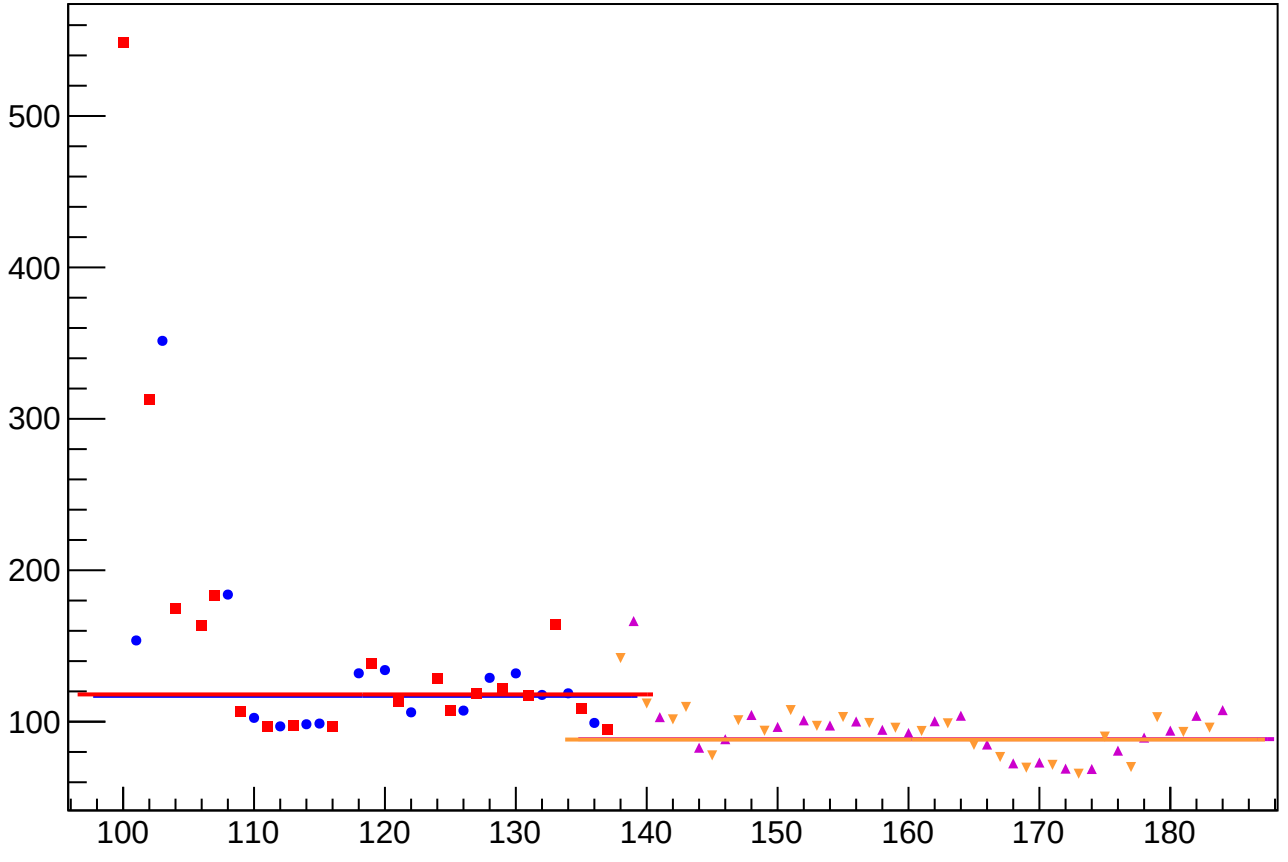
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 51.812+/-19.199 χ^2/NDF:45.1/38

Out: 62.082+/-18.850 χ^2/NDF:78.6/42

All: 57.041+/-13.451 χ^2/NDF: 123.9/81

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: 88.482+/-0.015 χ^2/NDF:1075689.1/22

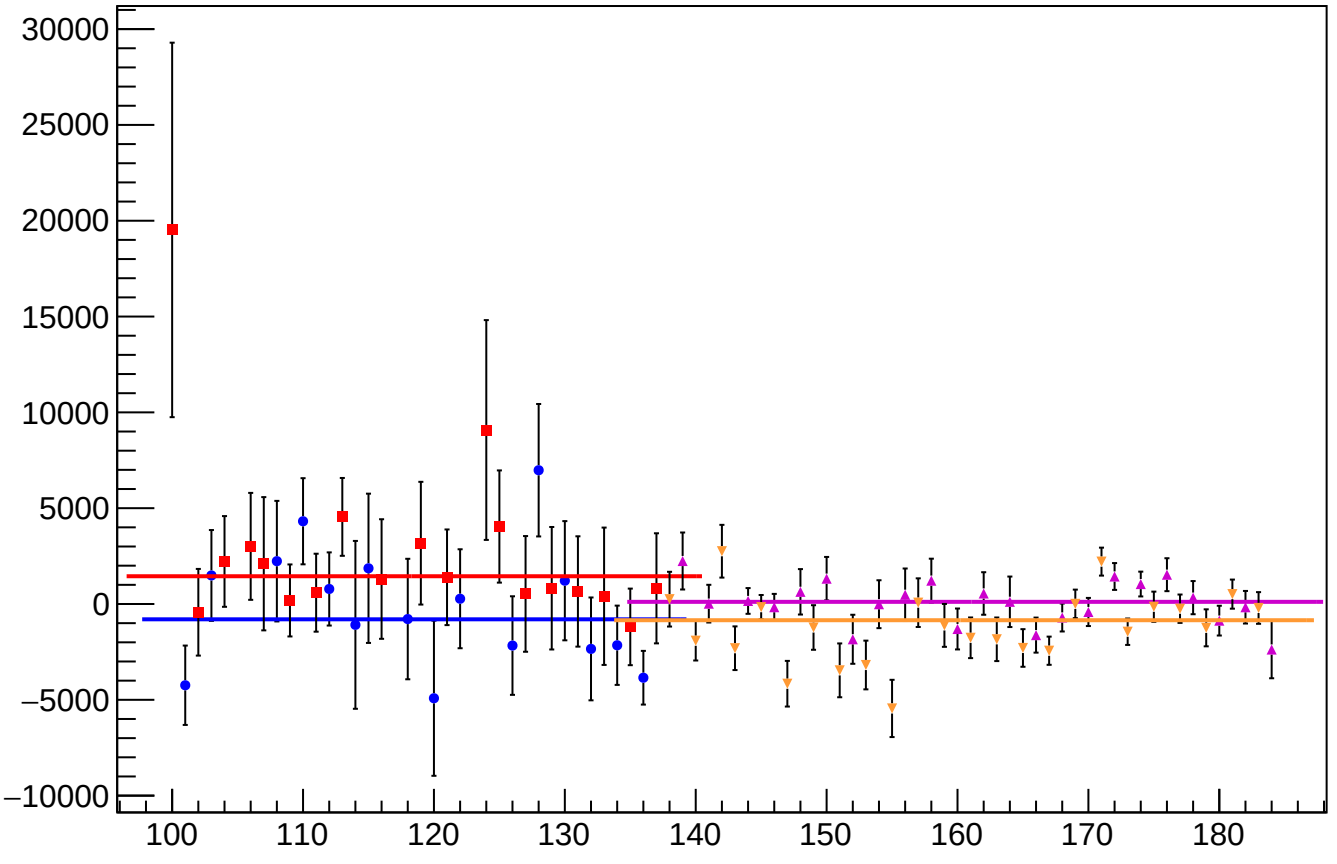
Left: 88.341+/-0.010 χ^2/NDF: 2232154.6/46

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.526+/-0.014 χ^2/NDF:2578160.6/38

Out: 93.248+/-0.013 χ^2/NDF:2845448.5/42

All: 93.384+/-0.010 χ^2/NDF: 5423822.8/81



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: 112.485+/-190.269 χ^2/NDF:27.1/22

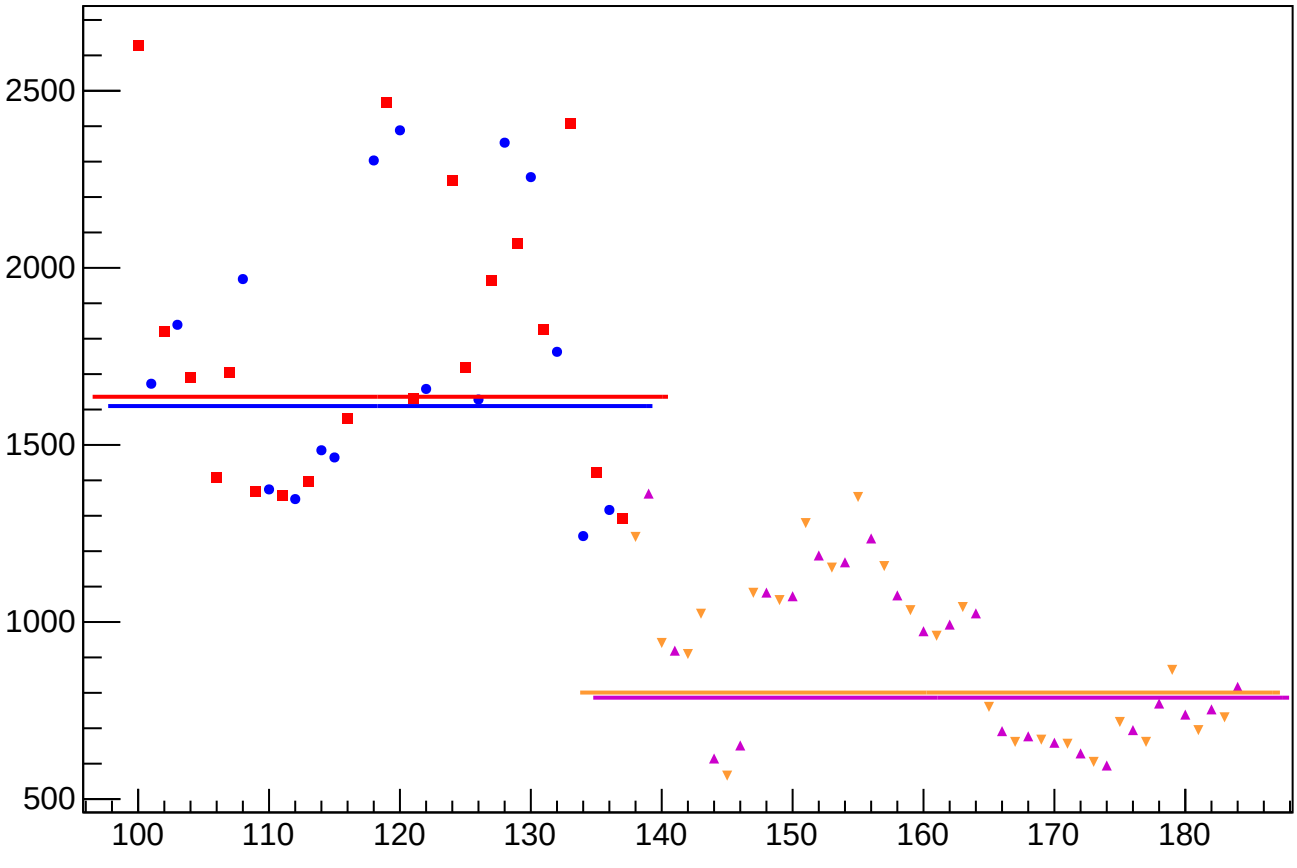
Left: -367.603+/-134.453 χ^2/NDF: 109.3/46

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 33.091+/-181.795 χ^2/NDF:52.5/38

Out: -646.112+/-181.537 χ^2/NDF:94.7/42

All: -306.993+/-128.457 χ^2/NDF: 154.2/81



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: 786.336+/-0.135 χ^2/NDF:2156582.1/22

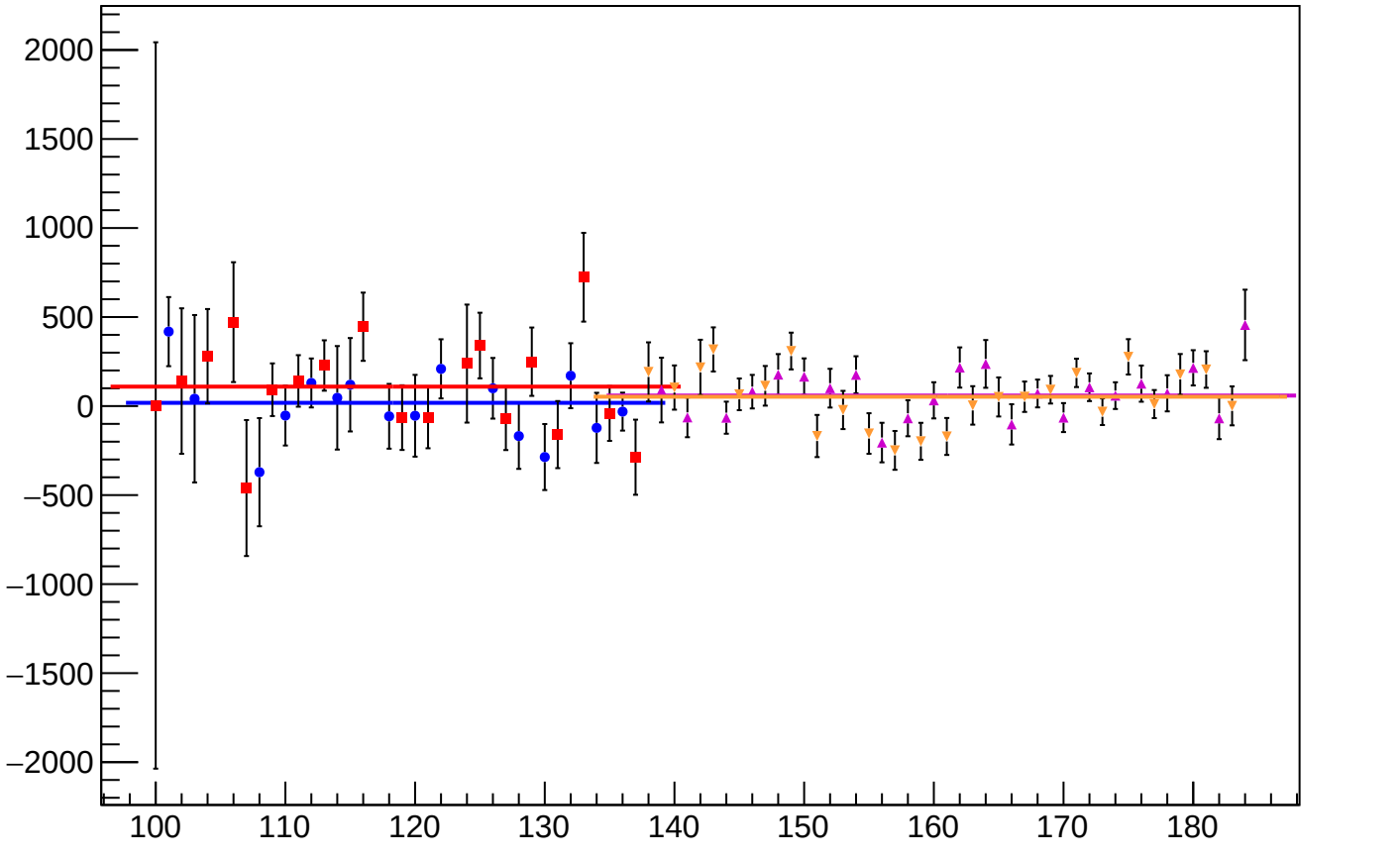
Left: 793.581+/-0.095 χ^2/NDF: 4537359.8/46

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 858.053+/-0.129 χ^2/NDF:6038278.7/38

Out: 873.716+/-0.128 χ^2/NDF:6275830.7/42

All: 865.895+/-0.091 χ^2/NDF: 12321542.5/81



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: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 55.683+/-14.789 χ^2/NDF: 82.6/46

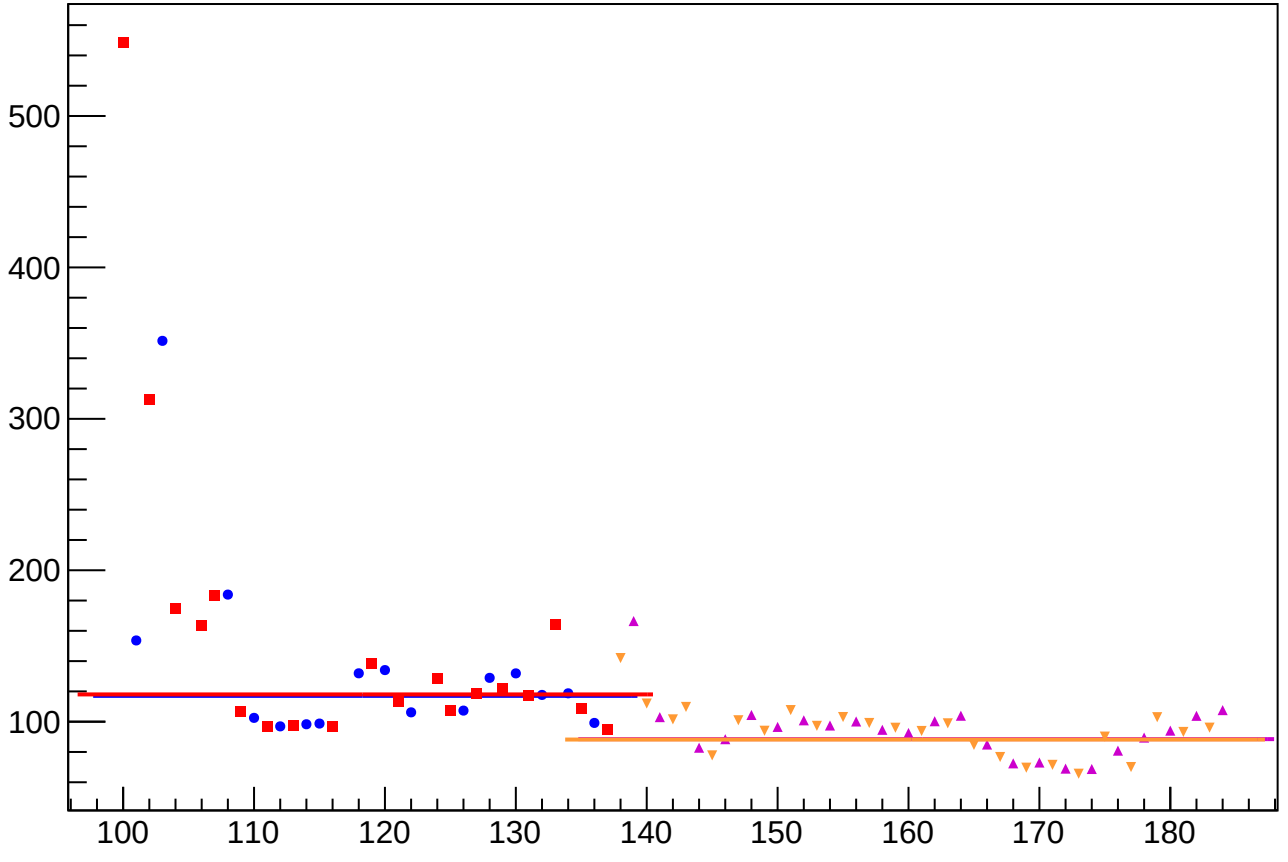
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 51.812+/-19.199 χ^2/NDF:45.1/38

Out: 62.082+/-18.850 χ^2/NDF:78.6/42

All: 57.041+/-13.451 χ^2/NDF: 123.9/81

eigen_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: 88.482+/-0.015 χ^2/NDF:1075689.1/22

Left: 88.341+/-0.010 χ^2/NDF: 2232154.6/46

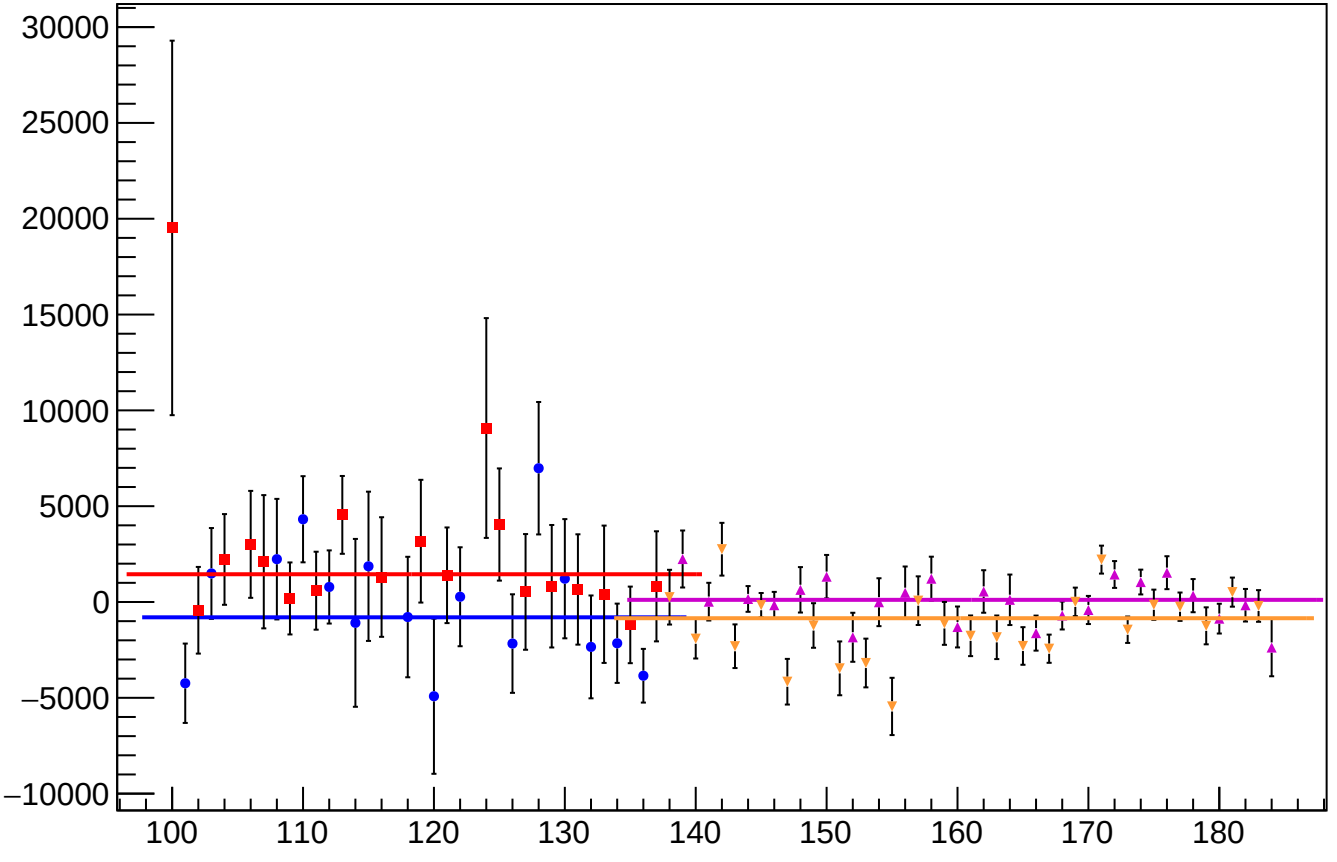
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.526+/-0.014 χ^2/NDF:2578160.6/38

Out: 93.248+/-0.013 χ^2/NDF:2845448.5/42

All: 93.384+/-0.010 χ^2/NDF: 5423822.8/81

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 112.485+/-190.269 χ^2/NDF:27.1/22

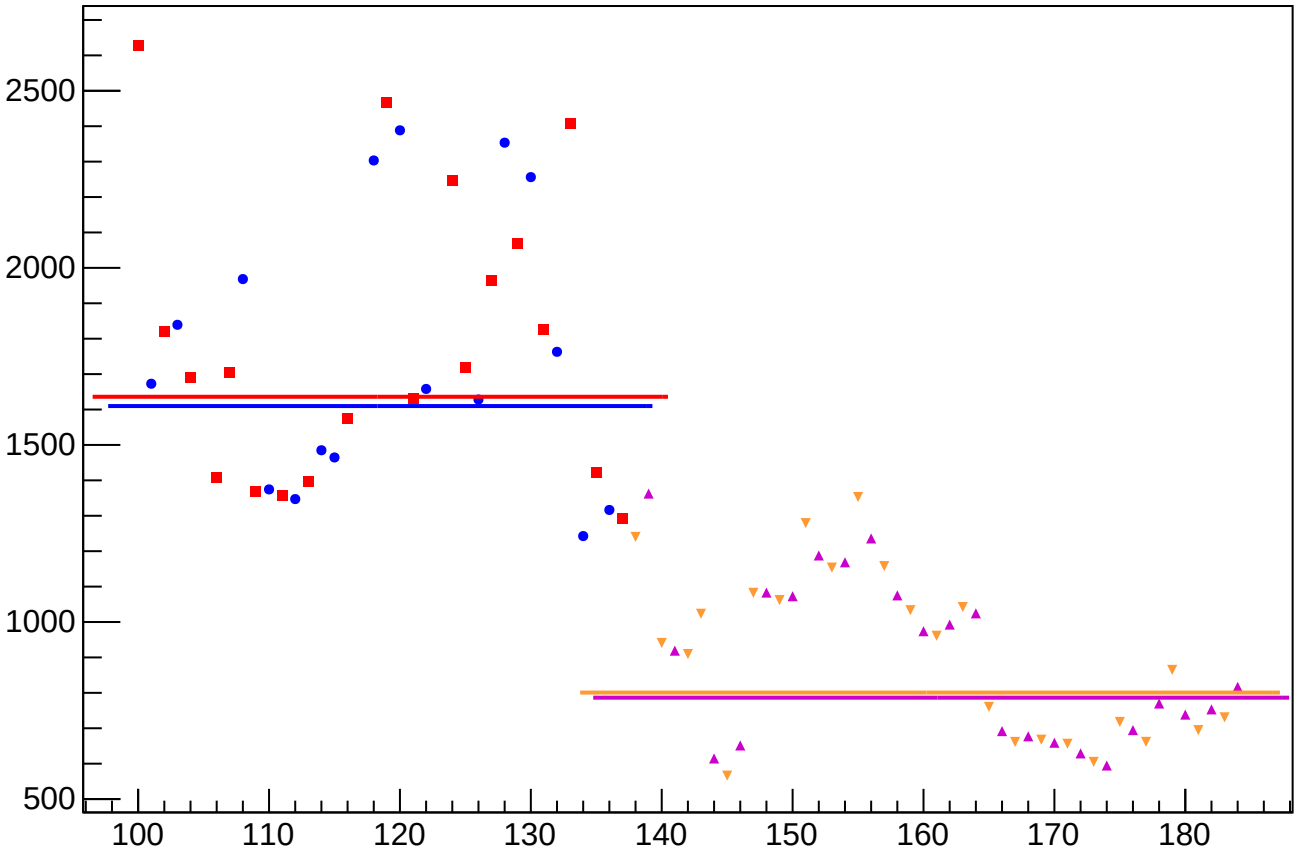
Left: -367.603+/-134.453 χ^2/NDF: 109.3/46

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 33.091+/-181.795 χ^2/NDF:52.5/38

Out: -646.112+/-181.537 χ^2/NDF:94.7/42

All: -306.993+/-128.457 χ^2/NDF: 154.2/81



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: 786.336+/-0.135 χ^2/NDF:2156582.1/22

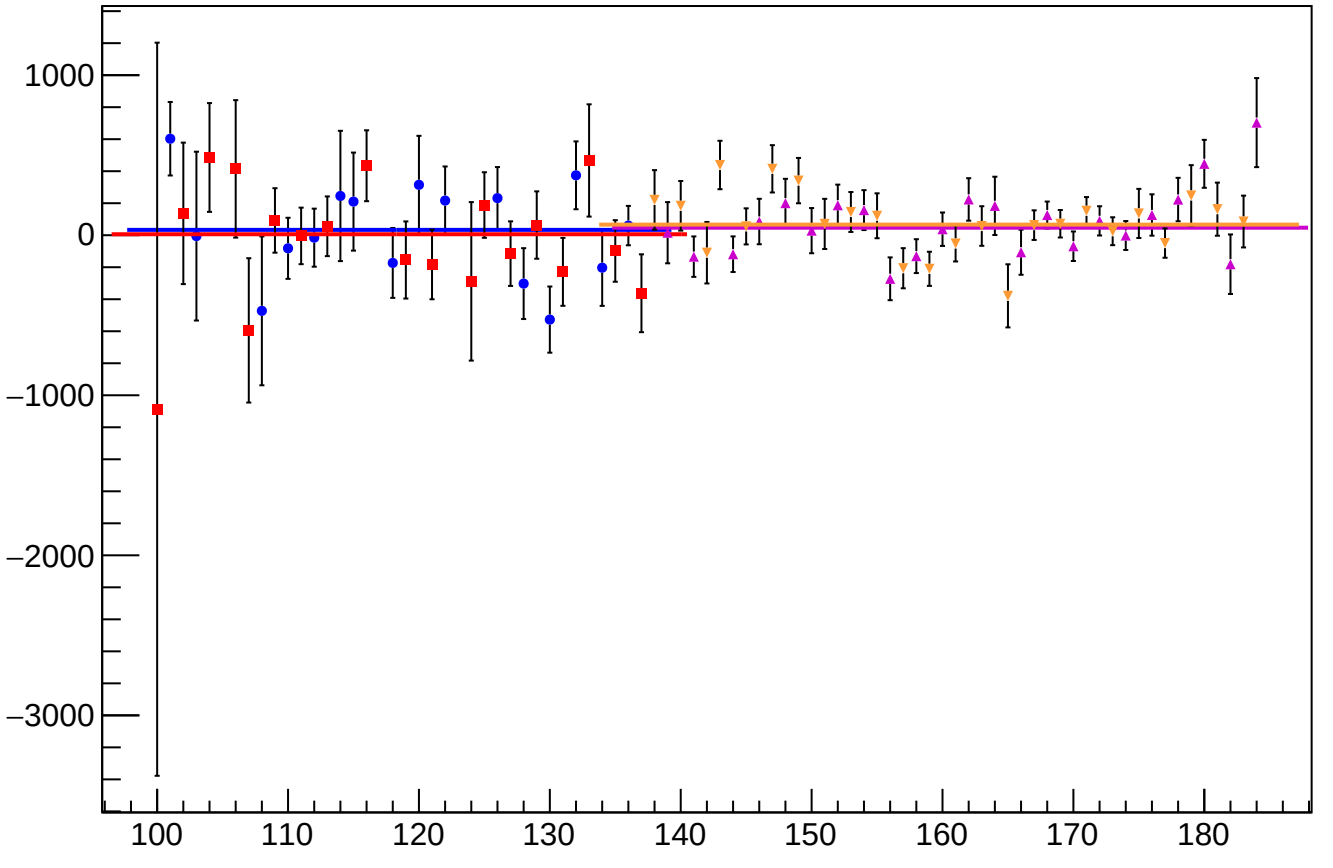
Left: 793.581+/-0.095 χ^2/NDF: 4537359.8/46

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 858.053+/-0.129 χ^2/NDF:6038278.7/38

Out: 873.716+/-0.128 χ^2/NDF:6275830.7/42

All: 865.895+/-0.091 χ^2/NDF: 12321542.5/81



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: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.825+/-17.983 χ^2/NDF: 78.9/46

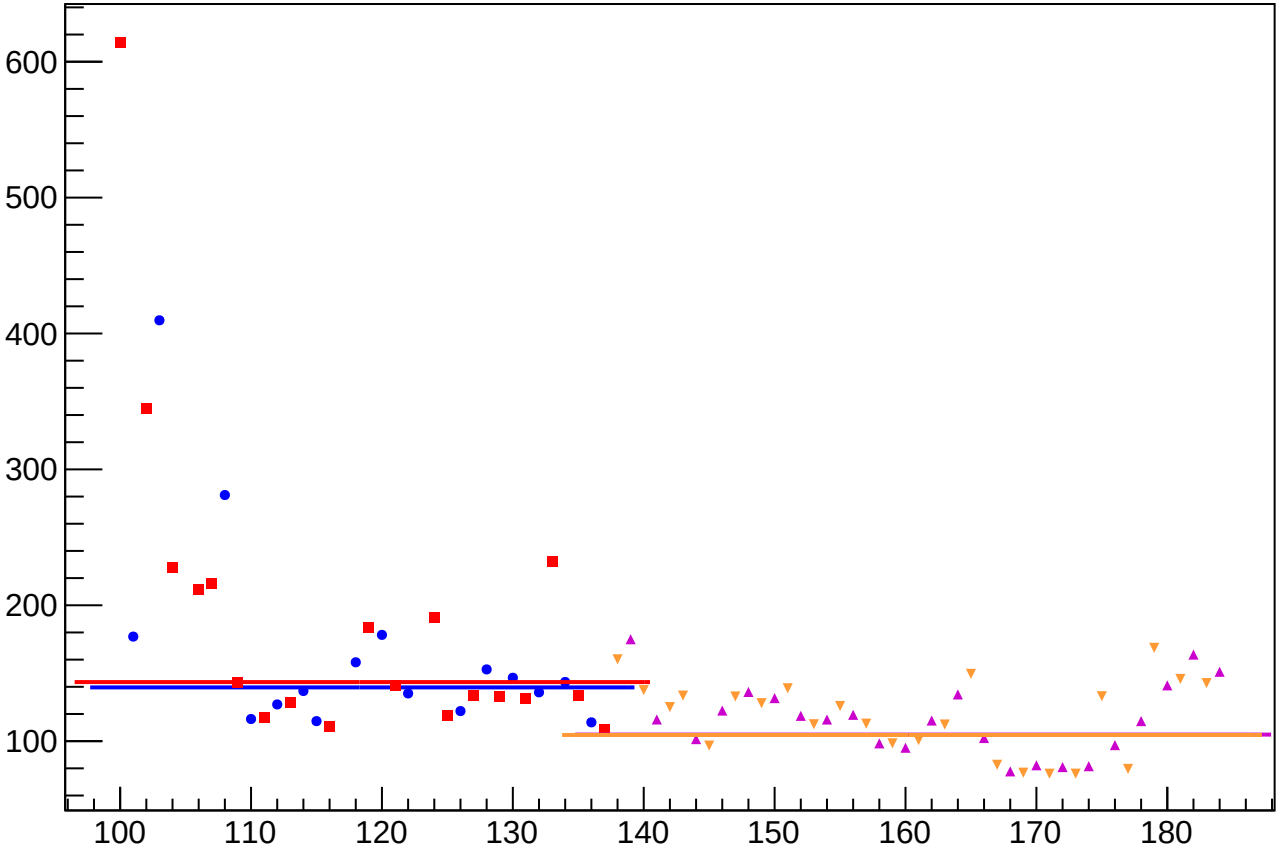
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 44.601+/-23.274 χ^2/NDF:63.9/38

Out: 56.139+/-22.969 χ^2/NDF:58.3/42

All: 50.446+/-16.348 χ^2/NDF: 122.2/81

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: 104.835+/-0.018 χ^2/NDF:1614476.5/22

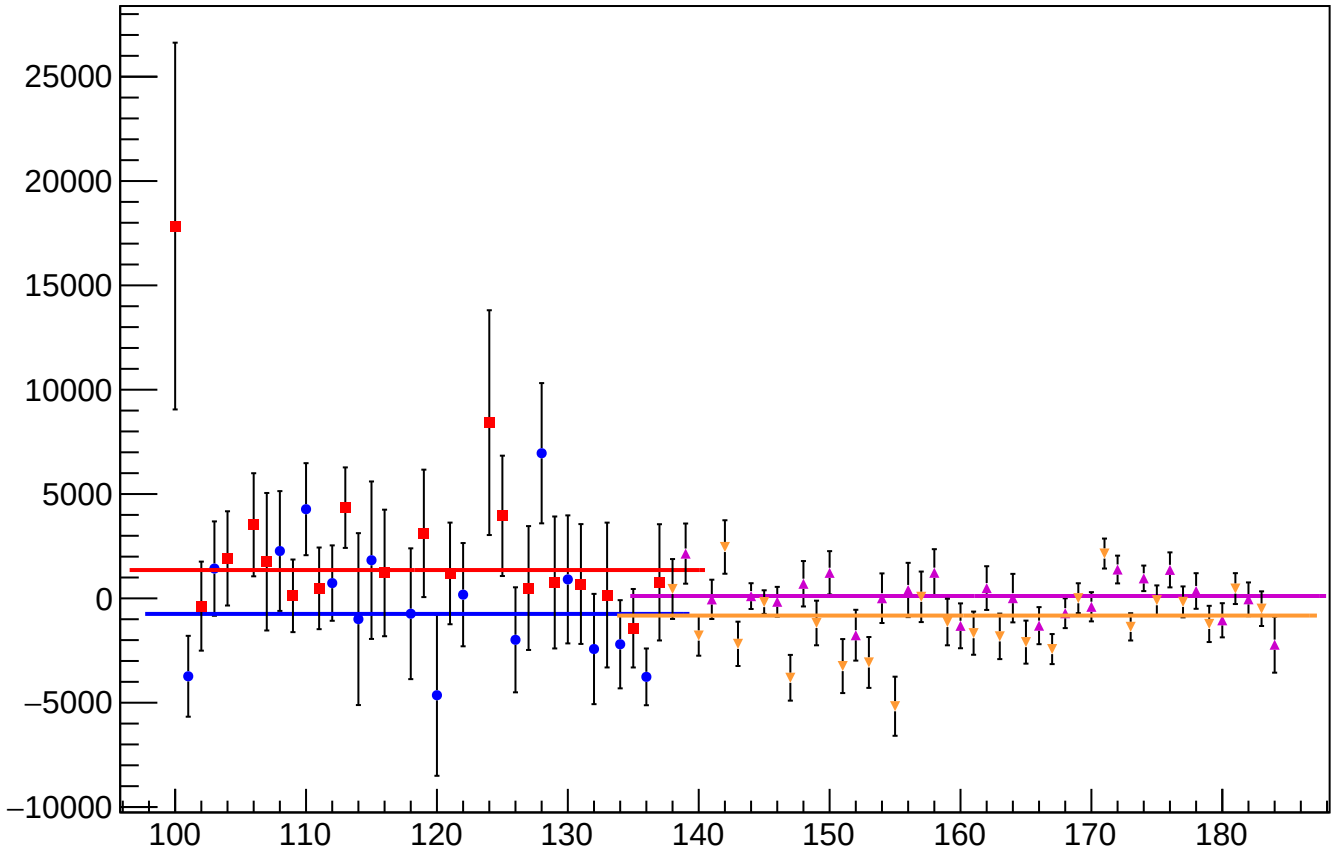
Left: 104.691+/-0.013 χ^2/NDF: 3835161.5/46

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 111.075+/-0.016 χ^2/NDF:3247676.6/38

Out: 111.081+/-0.016 χ^2/NDF:4138927.3/42

All: 111.078+/-0.012 χ^2/NDF: 7386604.0/81



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: 113.680+/-183.126 χ^2/NDF:26.3/22

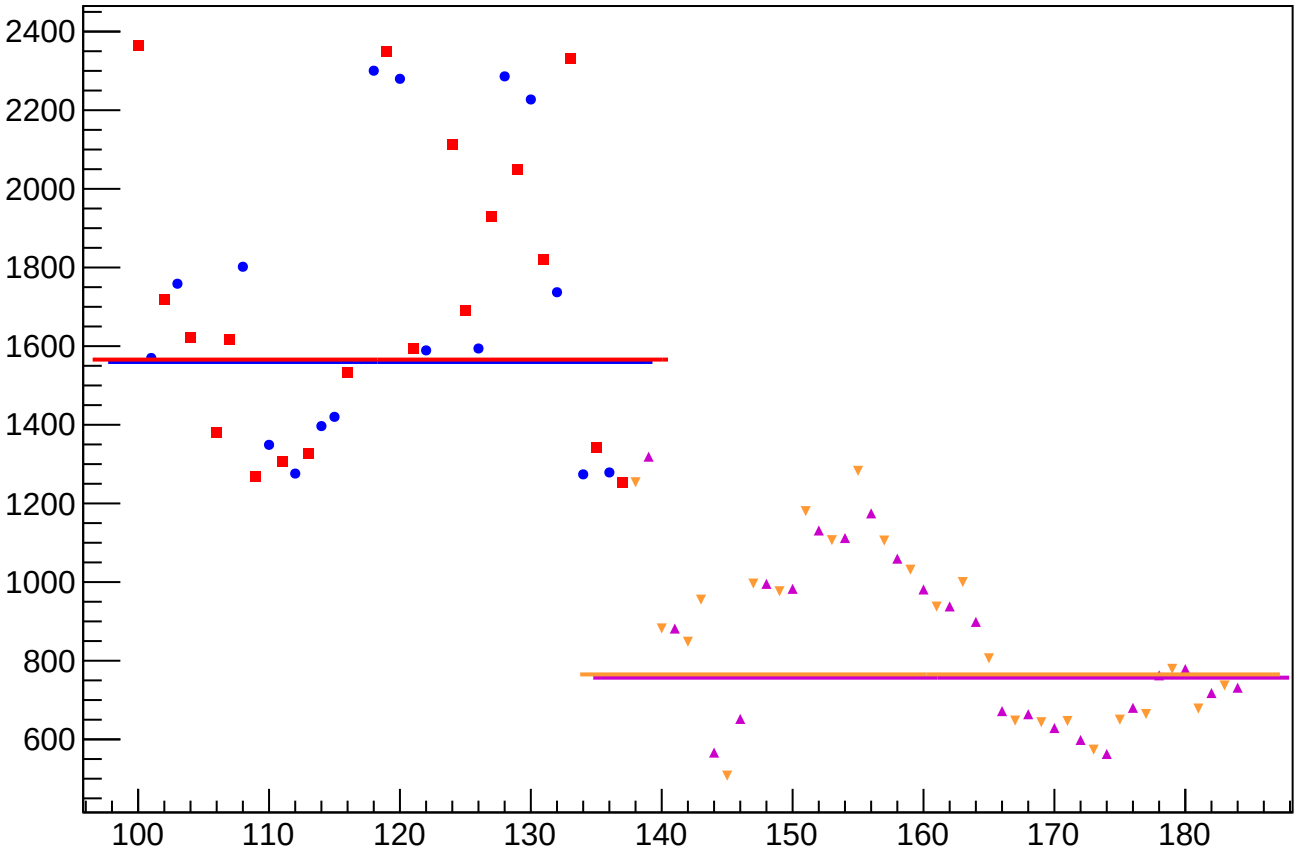
Left: -359.838+/-128.841 χ^2/NDF: 107.7/46

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: 39.592+/-175.044 χ^2/NDF:51.7/38

Out: -633.264+/-173.201 χ^2/NDF:94.3/42

All: -300.398+/-123.118 χ^2/NDF: 153.5/81



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: 756.927+/-0.129 χ^2/NDF:2115280.1/22

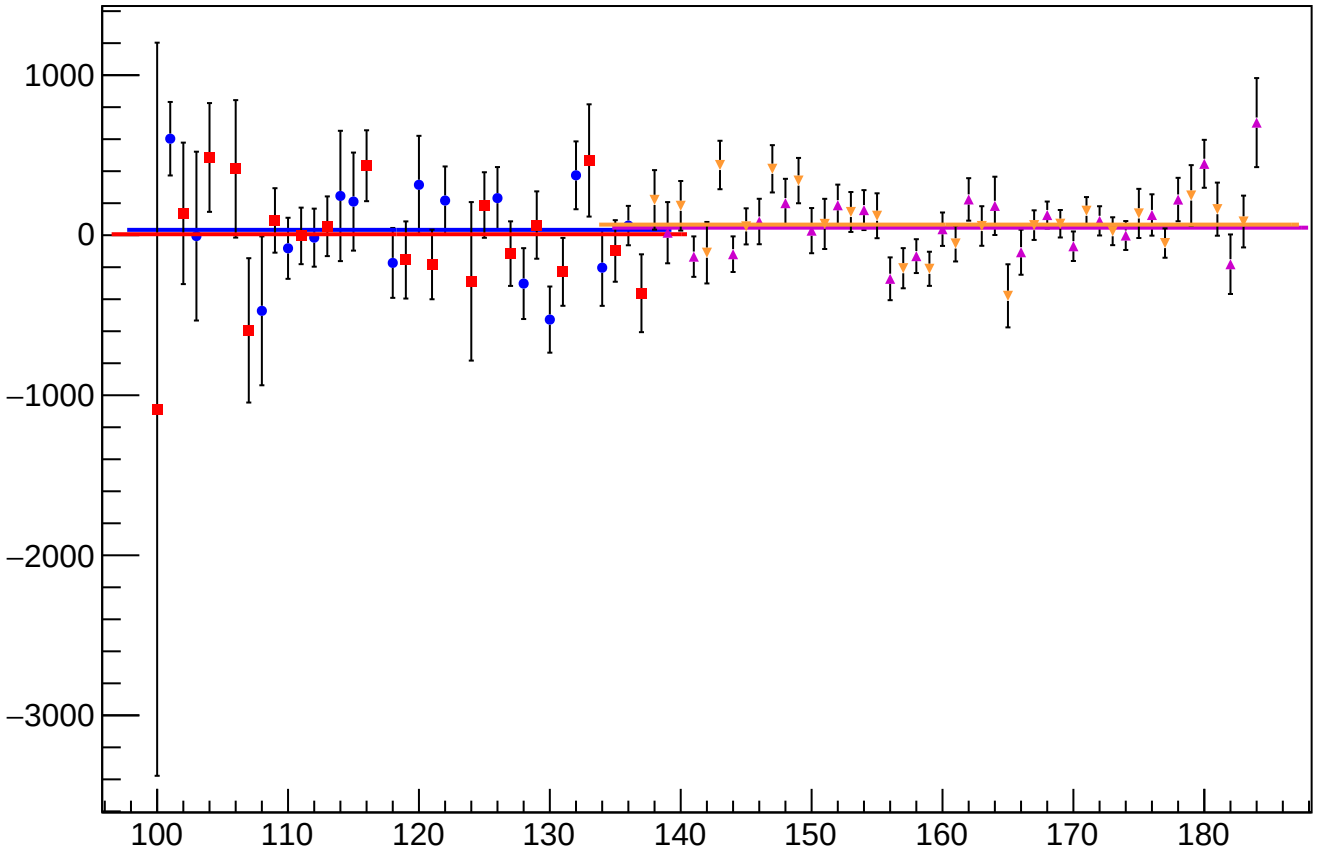
Left: 761.104+/-0.091 χ^2/NDF: 4542046.3/46

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 826.220+/-0.124 χ^2/NDF:6037181.3/38

Out: 835.185+/-0.122 χ^2/NDF:6397595.7/42

All: 830.750+/-0.087 χ^2/NDF: 12437428.0/81



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: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.825+/-17.984 χ^2/NDF: 78.9/46

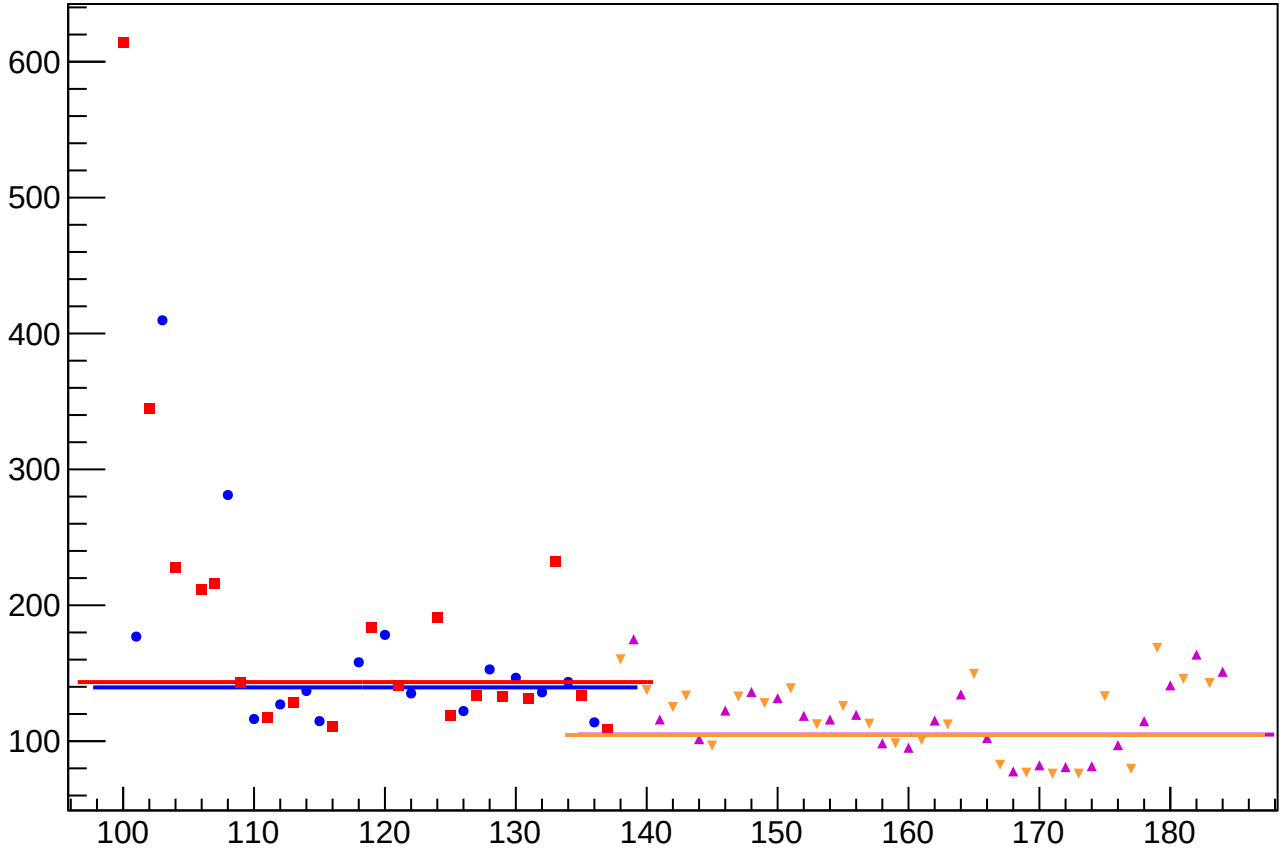
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 44.600+/-23.274 χ^2/NDF:63.9/38

Out: 56.139+/-22.969 χ^2/NDF:58.3/42

All: 50.446+/-16.348 χ^2/NDF: 122.2/81

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: 104.835+/-0.018 χ^2/NDF:1614484.2/22

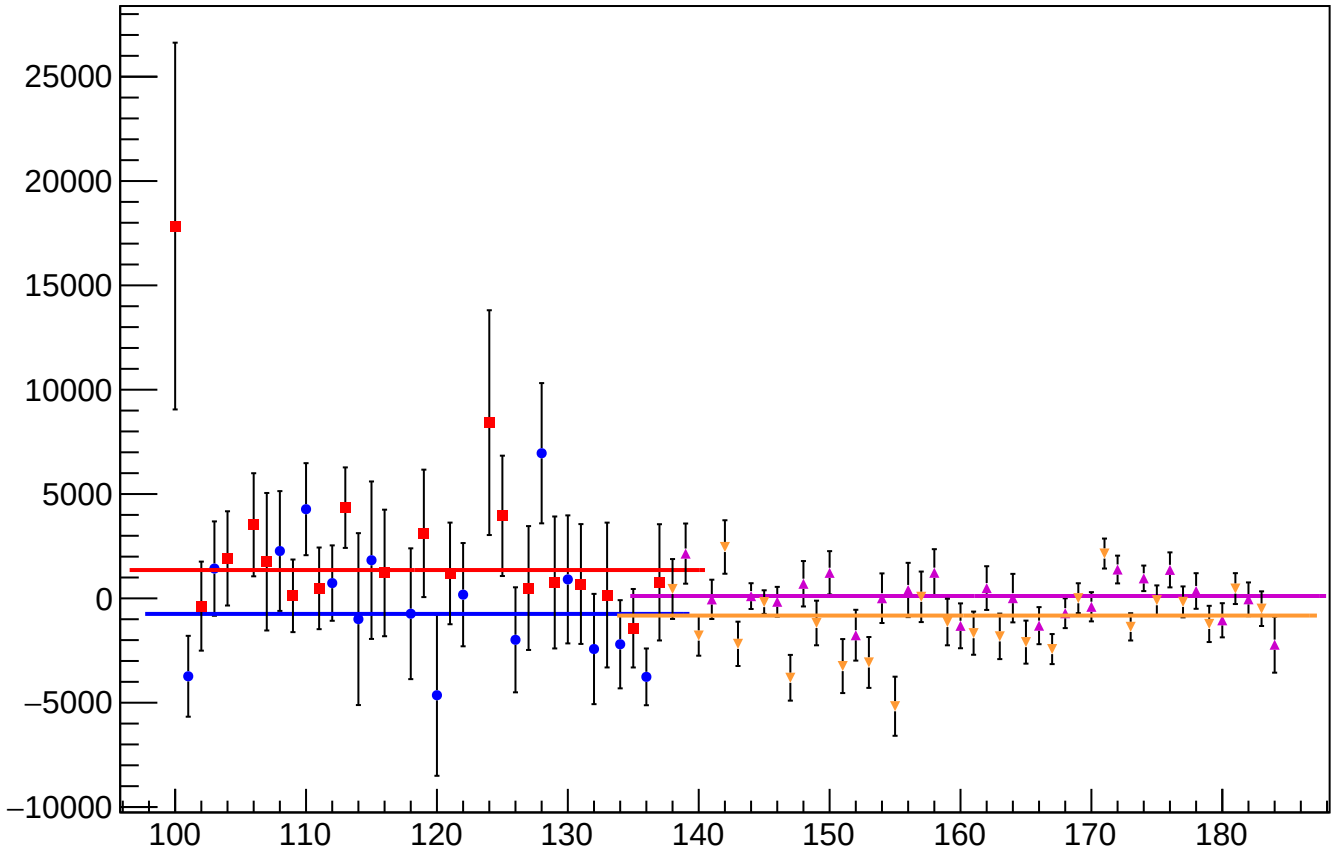
Left: 104.692+/-0.013 χ^2/NDF: 3835189.4/46

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 111.075+/-0.016 χ^2/NDF:3247683.1/38

Out: 111.082+/-0.016 χ^2/NDF:4138954.7/42

All: 111.078+/-0.012 χ^2/NDF: 7386637.9/81



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: 113.680+/-183.125 χ^2/NDF:26.3/22

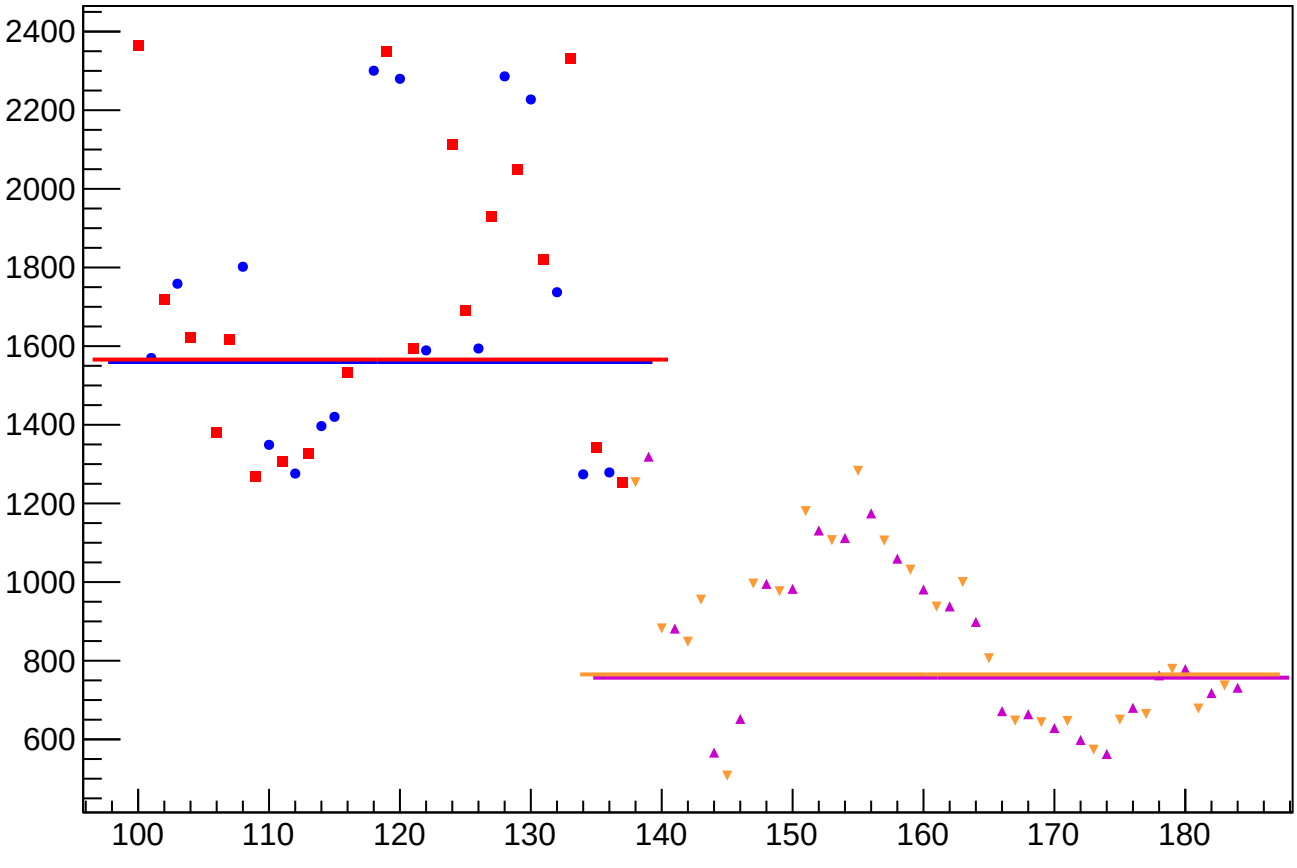
Left: -359.838+/-128.841 χ^2/NDF: 107.7/46

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: 39.592+/-175.044 χ^2/NDF:51.7/38

Out: -633.265+/-173.201 χ^2/NDF:94.3/42

All: -300.399+/-123.118 χ^2/NDF: 153.5/81



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: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 761.104+/-0.091 χ^2/NDF: 4542034.6/46

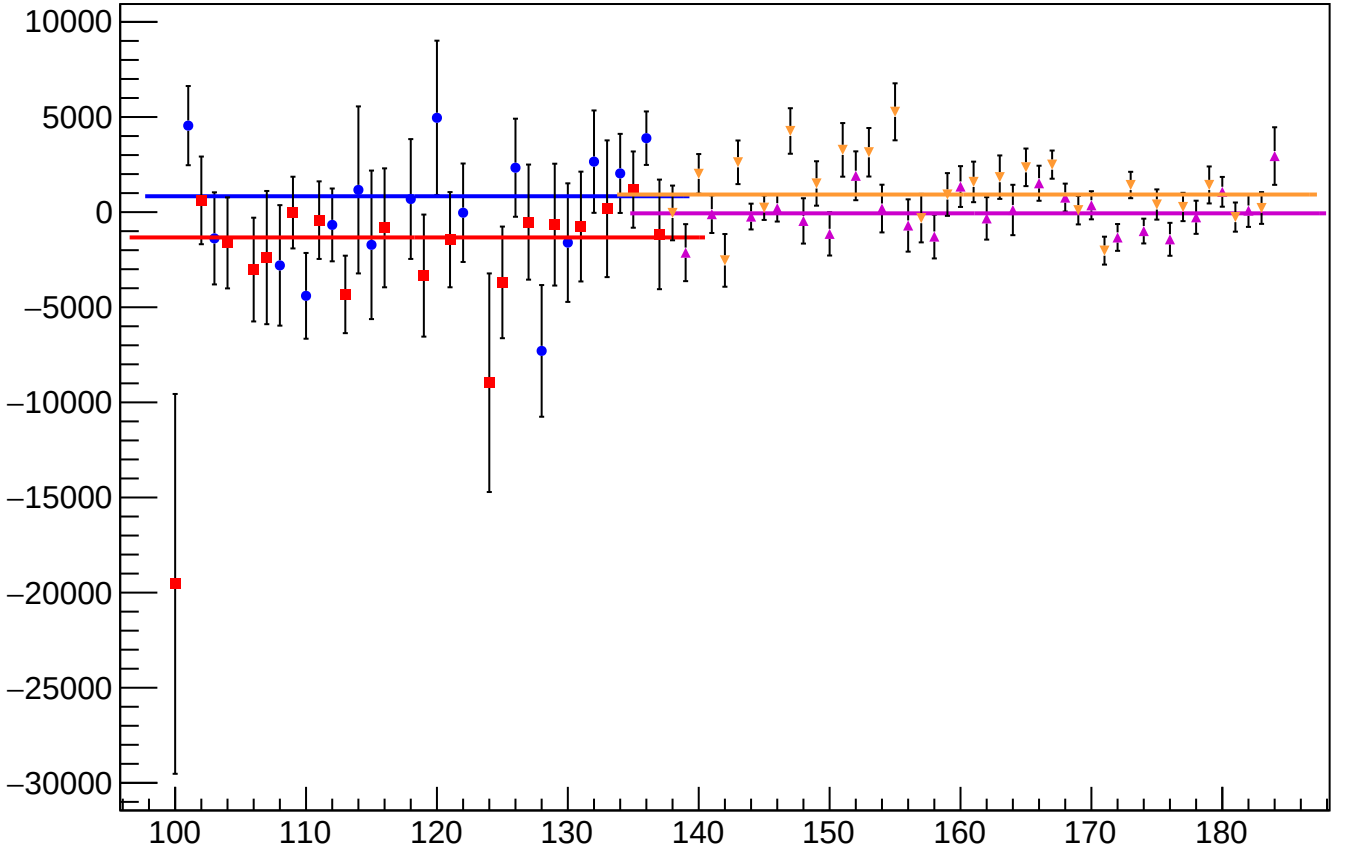
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 826.219+/-0.124 χ^2/NDF:6037175.4/38

Out: 835.185+/-0.122 χ^2/NDF:6397582.9/42

All: 830.749+/-0.087 χ^2/NDF: 12437409.4/81

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: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 432.359+/-135.368 χ^2/NDF: 104.9/46

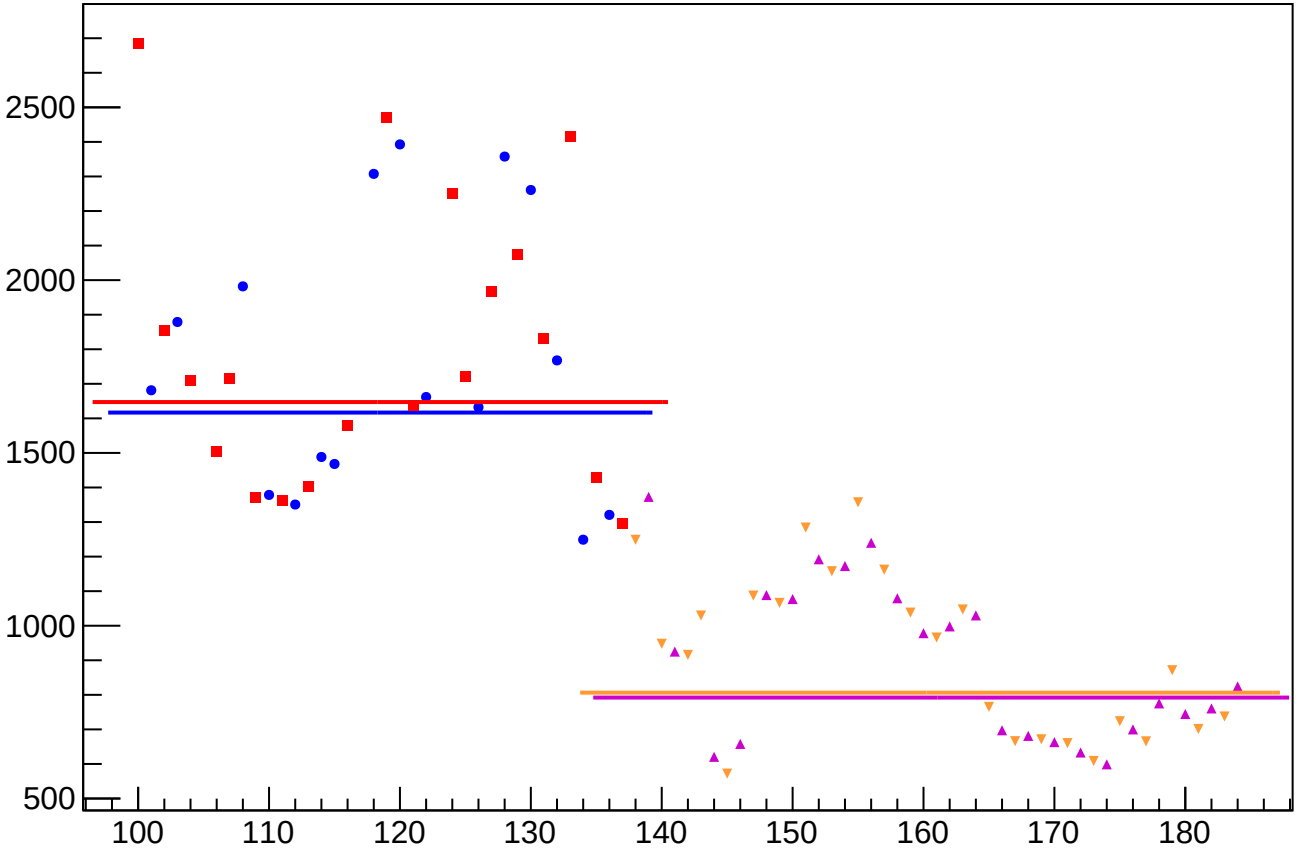
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 15.831+/-183.024 χ^2/NDF:53.9/38

Out: 727.754+/-182.689 χ^2/NDF:88.8/42

All: 372.443+/-129.299 χ^2/NDF: 150.3/81

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: 792.060+/-0.135 χ^2/NDF:2135575.6/22

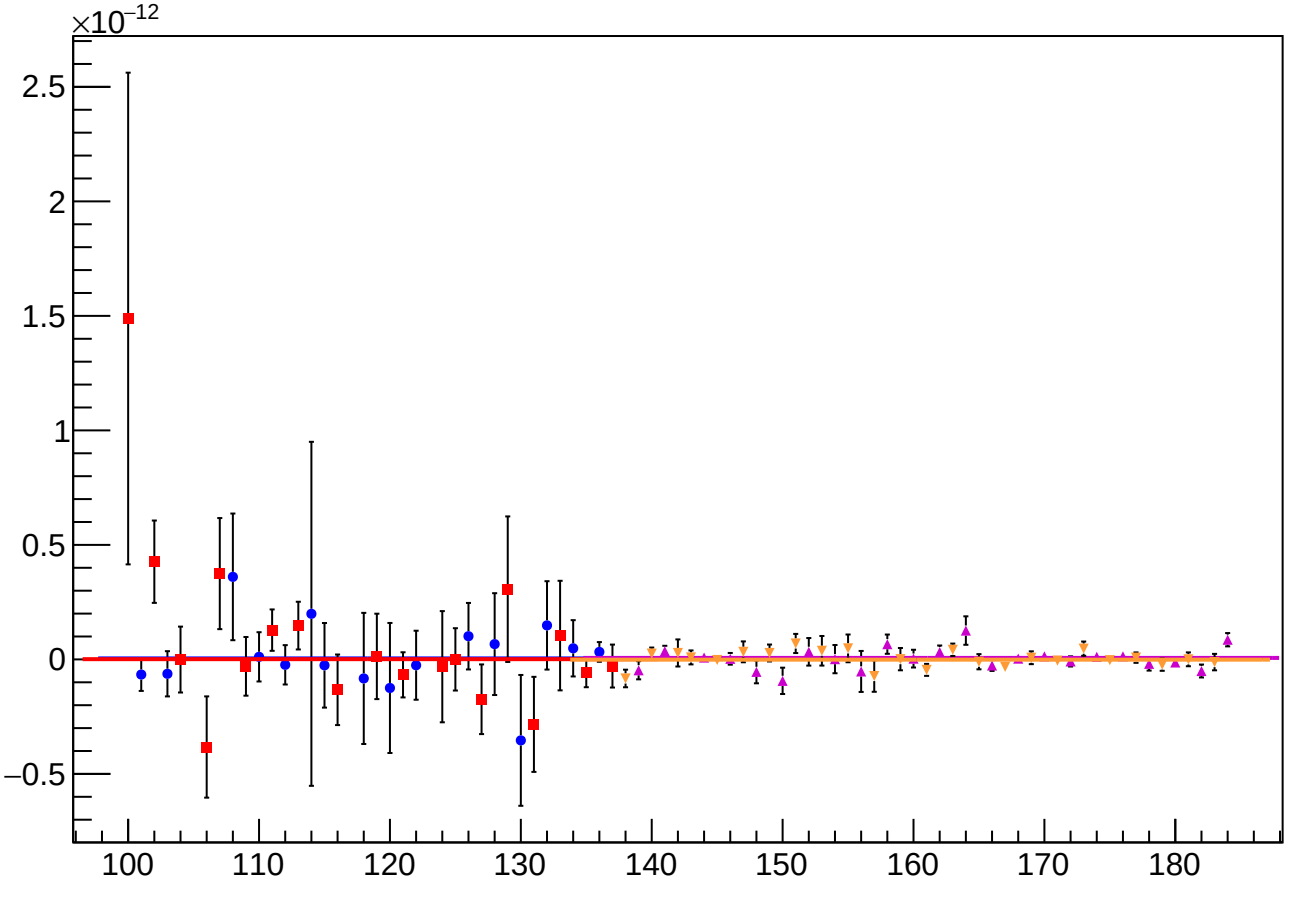
Left: 799.219+/-0.096 χ^2/NDF: 4493827.7/46

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 864.214+/-0.129 χ^2/NDF:6000006.0/38

Out: 880.210+/-0.129 χ^2/NDF:6271238.6/42

All: 872.227+/-0.091 χ^2/NDF: 12278897.1/81



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:31.5/22

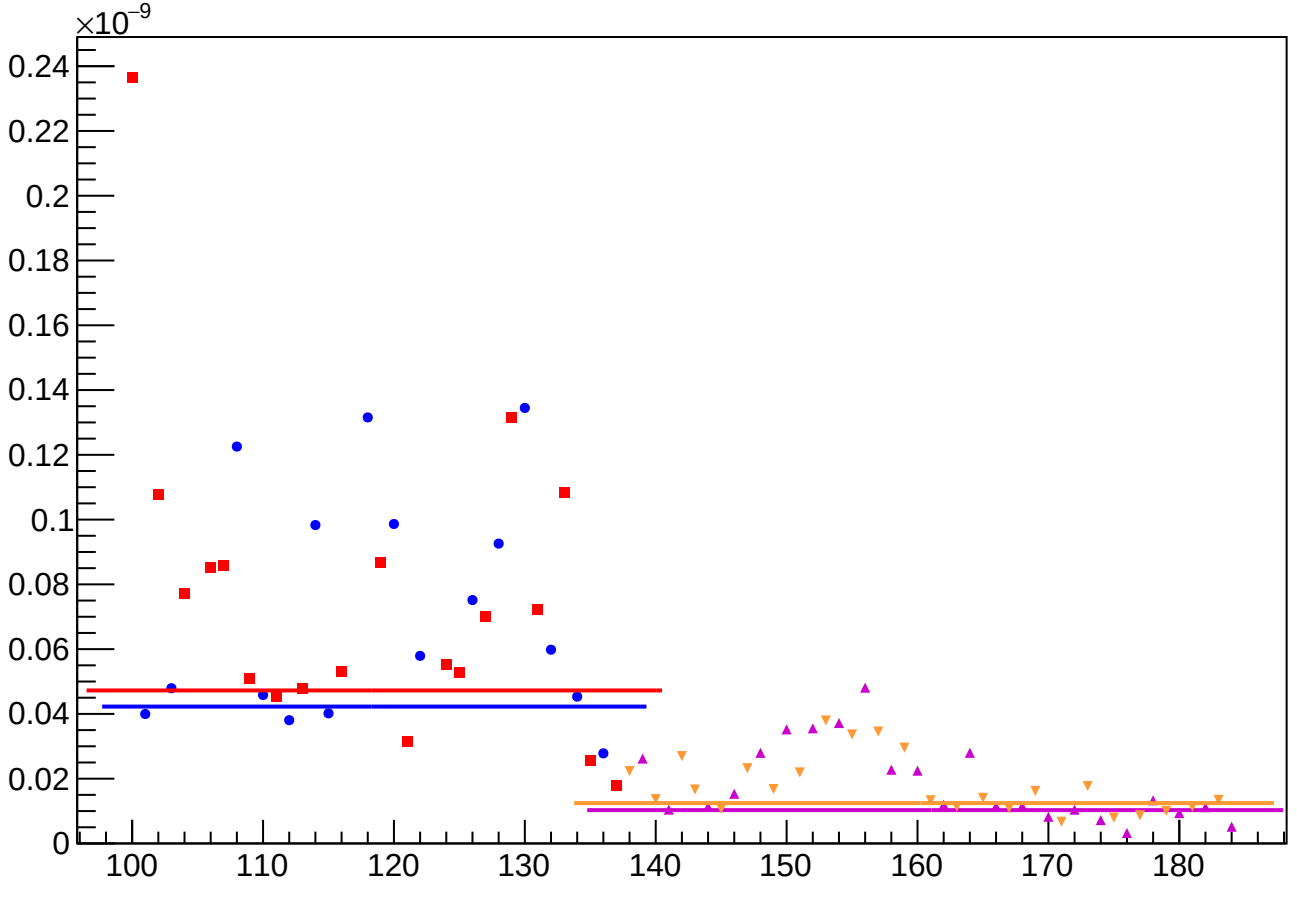
Left: 0.000+/-0.000 χ^2/NDF: 56.1/46

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:38.4/38

Out: -0.000+/-0.000 χ^2/NDF:47.0/42

All: 0.000+/-0.000 χ^2/NDF: 86.4/81



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:3679061.1/22

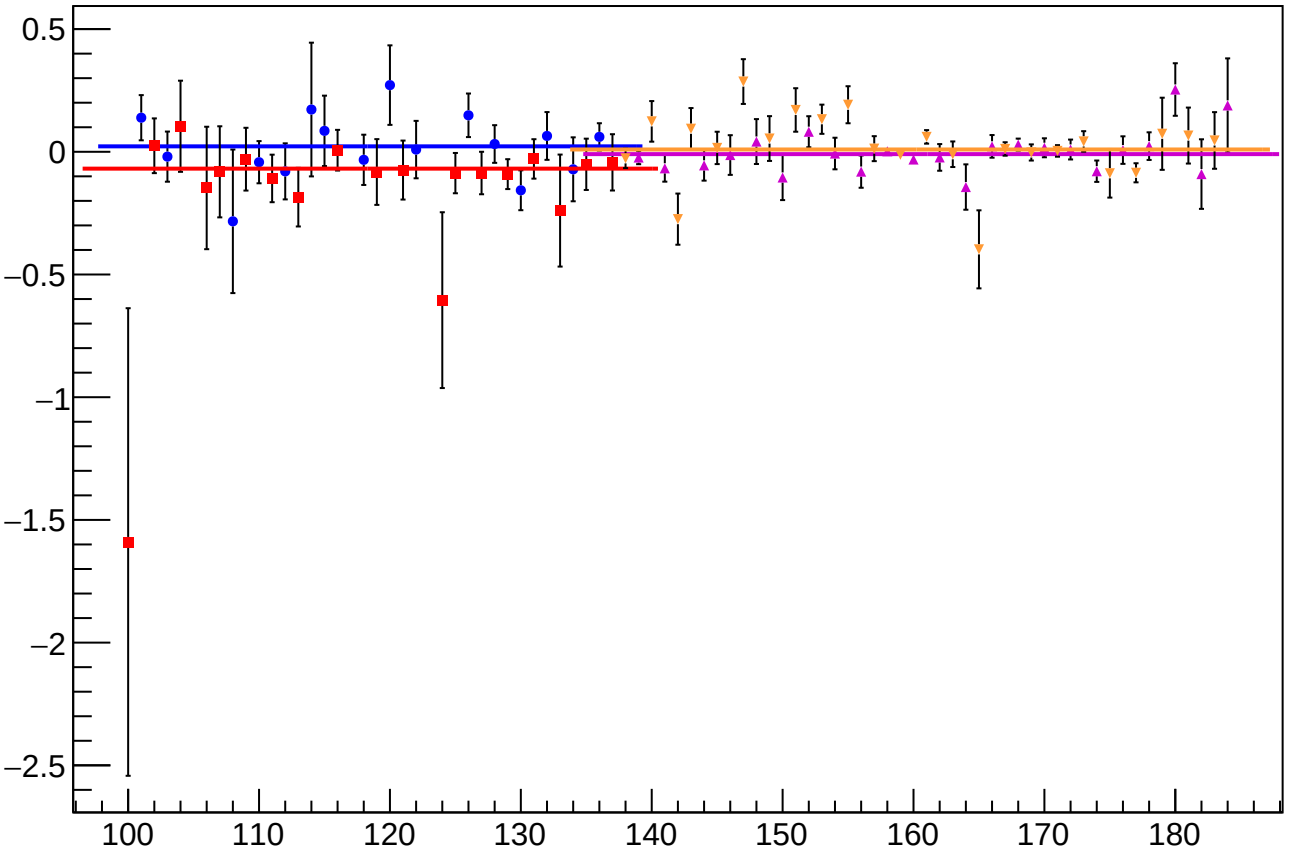
Left: 0.000+/-0.000 χ^2/NDF: 6060810.8/46

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:7490735.8/38

Out: 0.000+/-0.000 χ^2/NDF:6175007.1/42

All: 0.000+/-0.000 χ^2/NDF: 13850618.0/81



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: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.3/46

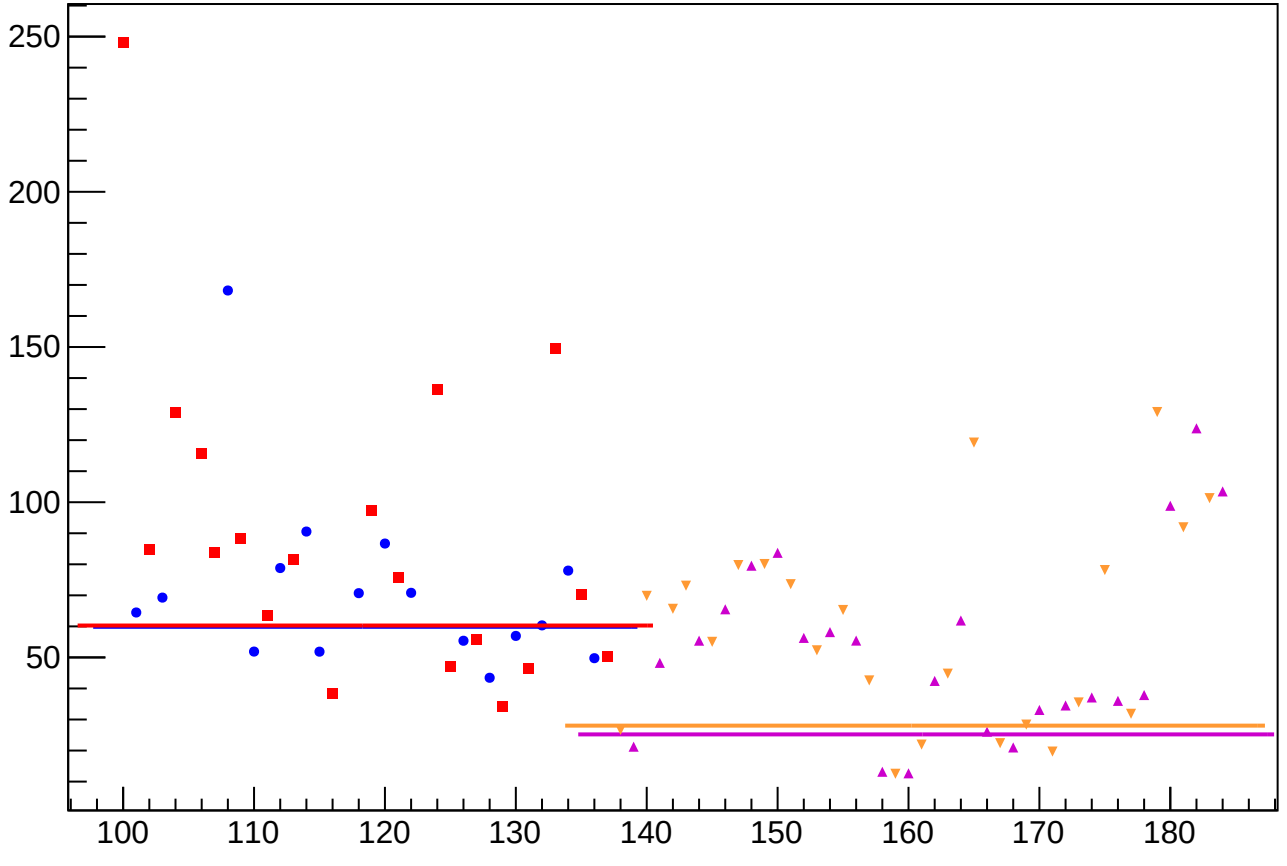
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:42.2/38

Out: 0.002+/-0.008 χ^2/NDF:72.6/42

All: -0.003+/-0.005 χ^2/NDF: 115.3/81

asym_sam3_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 25.206+/-0.006 χ^2/NDF:9964049.2/22

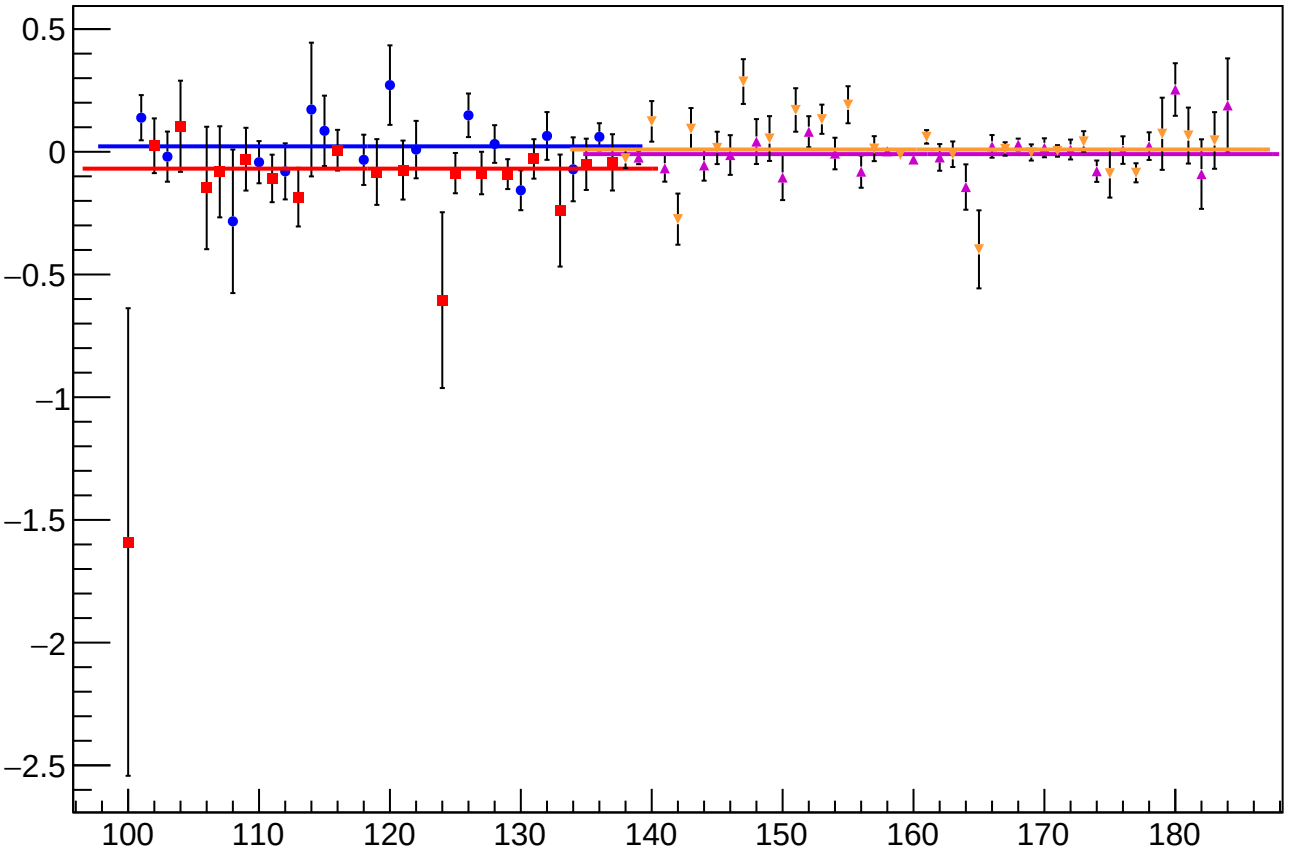
Left: 26.524+/-0.004 χ^2/NDF: 20861275.9/46

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 28.446+/-0.005 χ^2/NDF:14240759.4/38

Out: 31.280+/-0.006 χ^2/NDF:15682974.6/42

All: 29.776+/-0.004 χ^2/NDF: 30056093.4/81



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: -0.009+/-0.008 χ^2/NDF:25.2/22

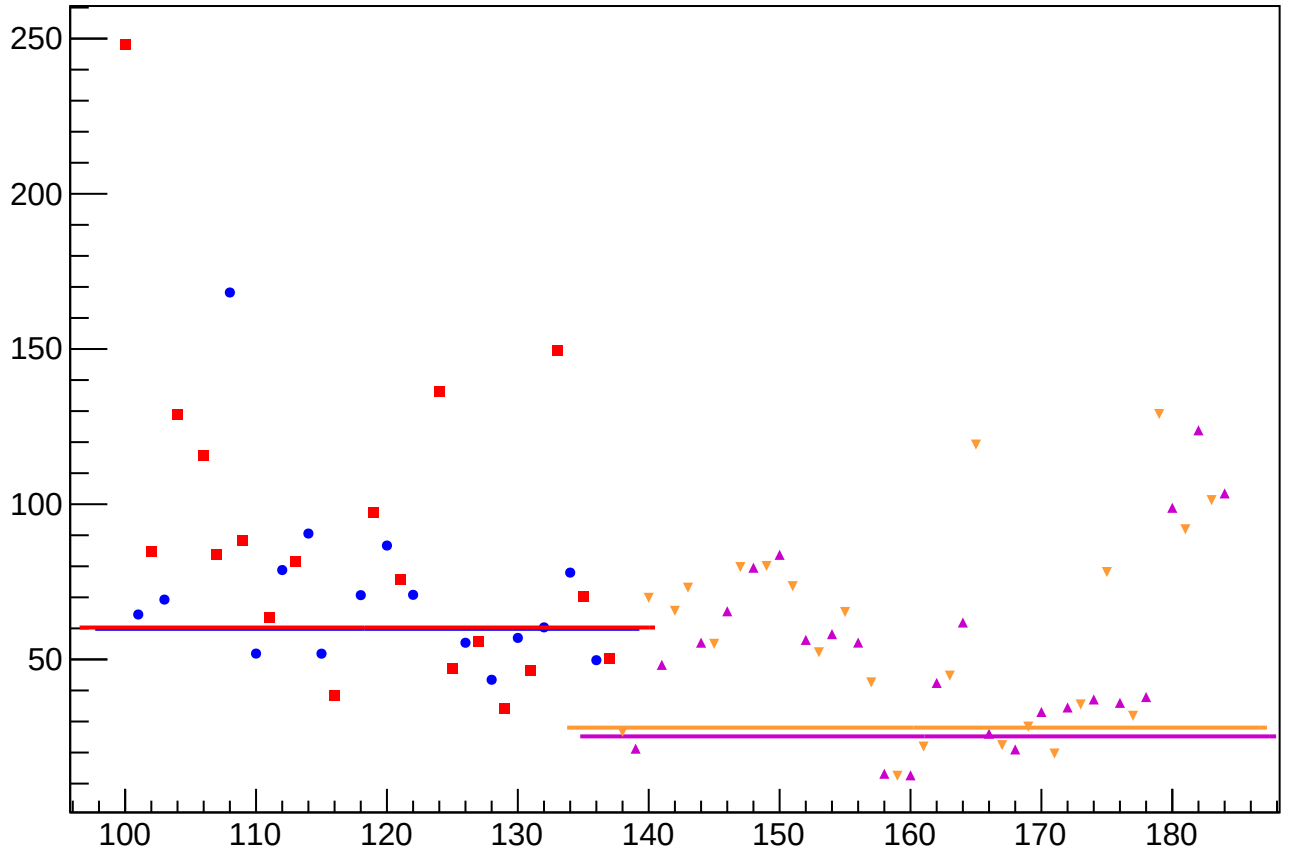
Left: -0.001+/-0.006 χ^2/NDF: 82.3/46

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:42.2/38

Out: 0.002+/-0.008 χ^2/NDF:72.6/42

All: -0.003+/-0.005 χ^2/NDF: 115.3/81



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: 25.206+/-0.006 χ^2/NDF:9964049.2/22

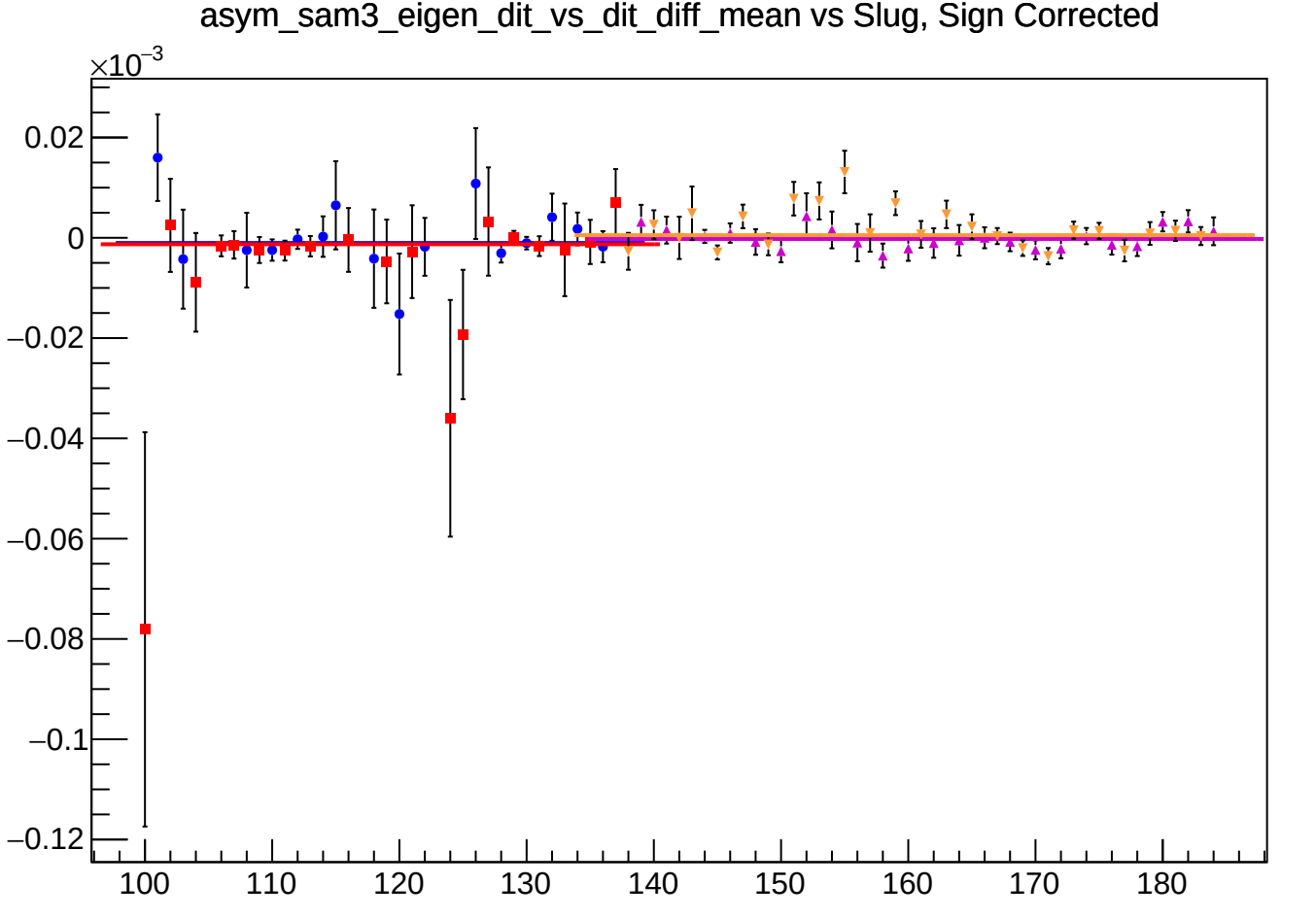
Left: 26.524+/-0.004 χ^2/NDF: 20861275.9/46

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 28.446+/-0.005 χ^2/NDF:14240759.4/38

Out: 31.280+/-0.006 χ^2/NDF:15682974.6/42

All: 29.776+/-0.004 χ^2/NDF: 30056093.4/81



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:16.5/22

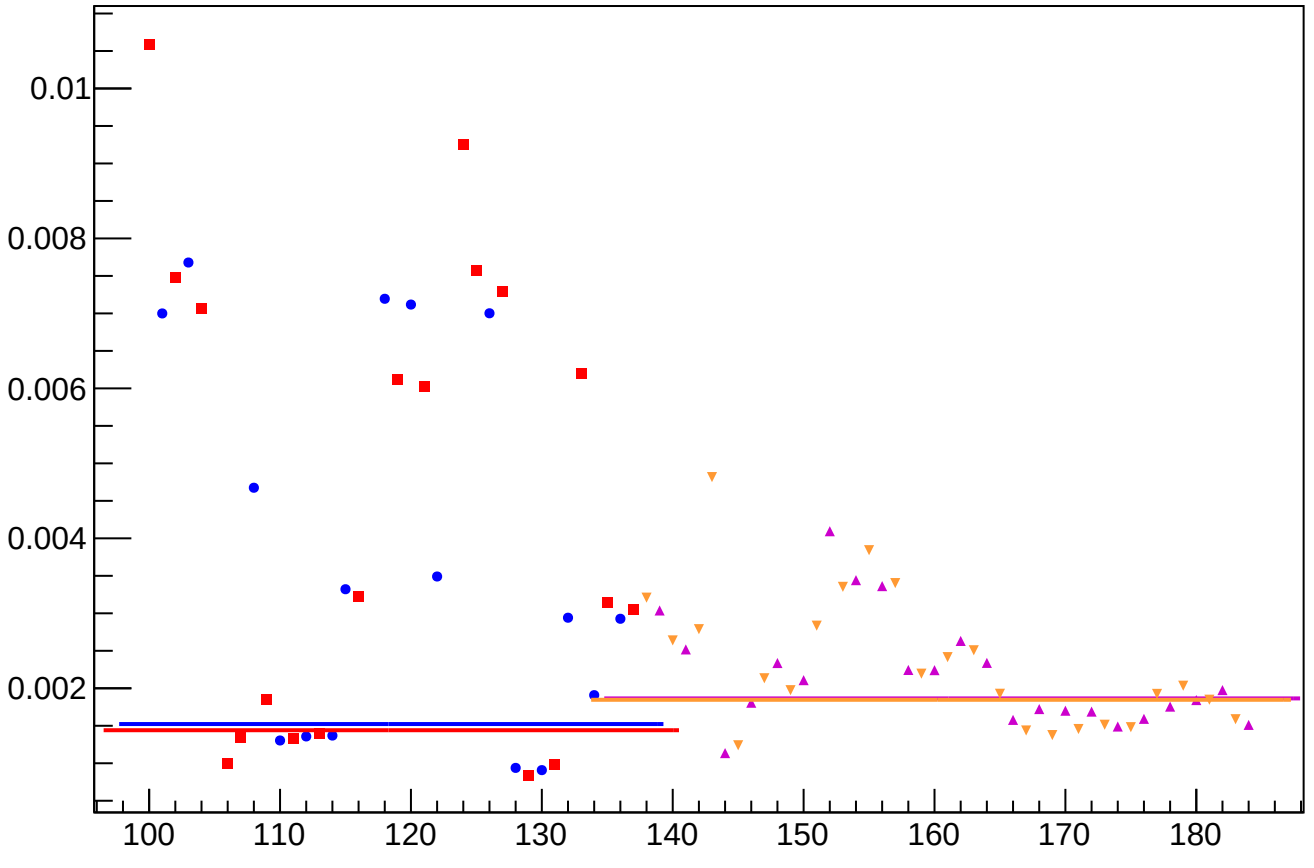
Left: 0.000+/-0.000 χ^2/NDF: 68.6/46

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:28.6/38

Out: -0.000+/-0.000 χ^2/NDF:67.9/42

All: -0.000+/-0.000 χ^2/NDF: 97.2/81



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:2794135.0/22

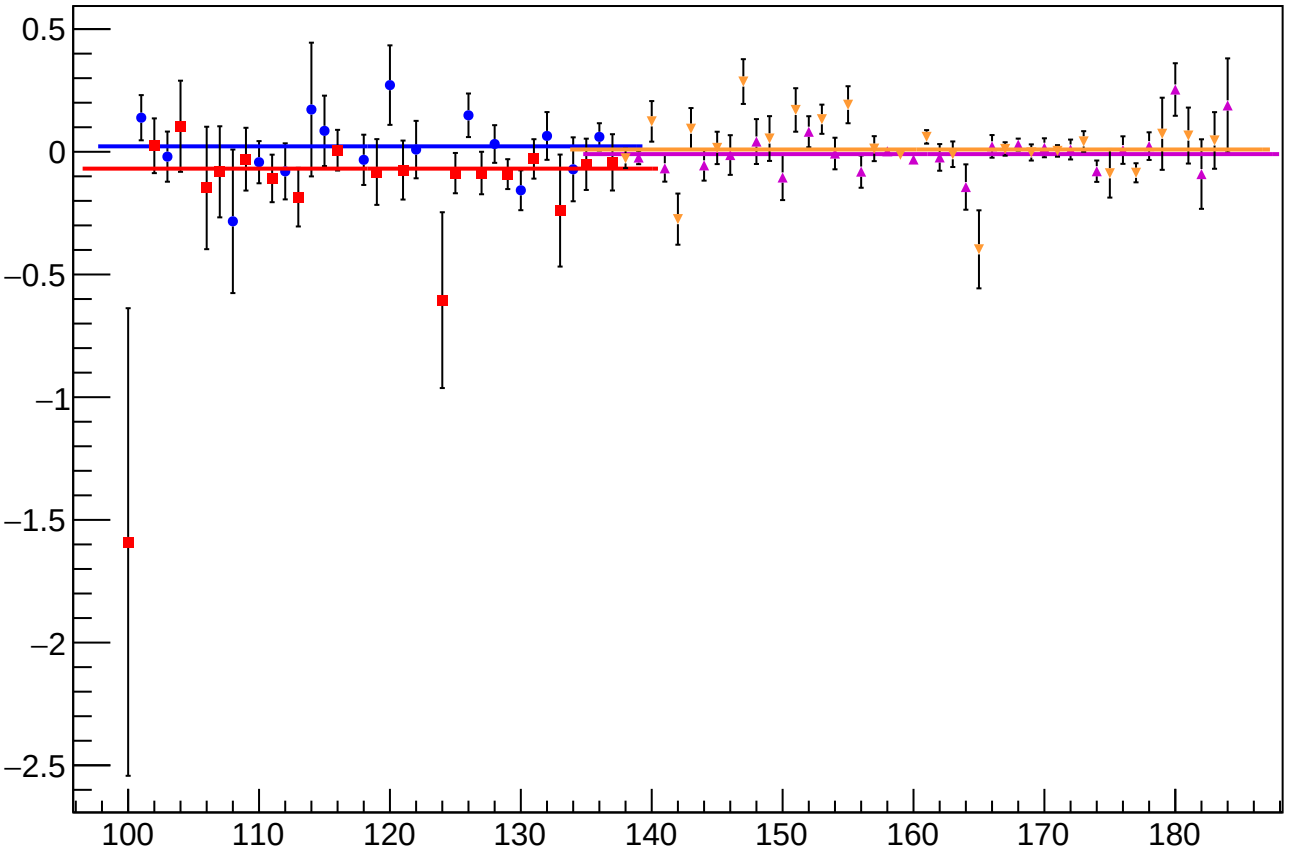
Left: 0.002+/-0.000 χ^2/NDF: 6572719.2/46

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8286506.8/38

Out: 0.002+/-0.000 χ^2/NDF:10044428.0/42

All: 0.002+/-0.000 χ^2/NDF: 18342637.1/81



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: -0.009+/-0.008 χ^2/NDF:25.2/22

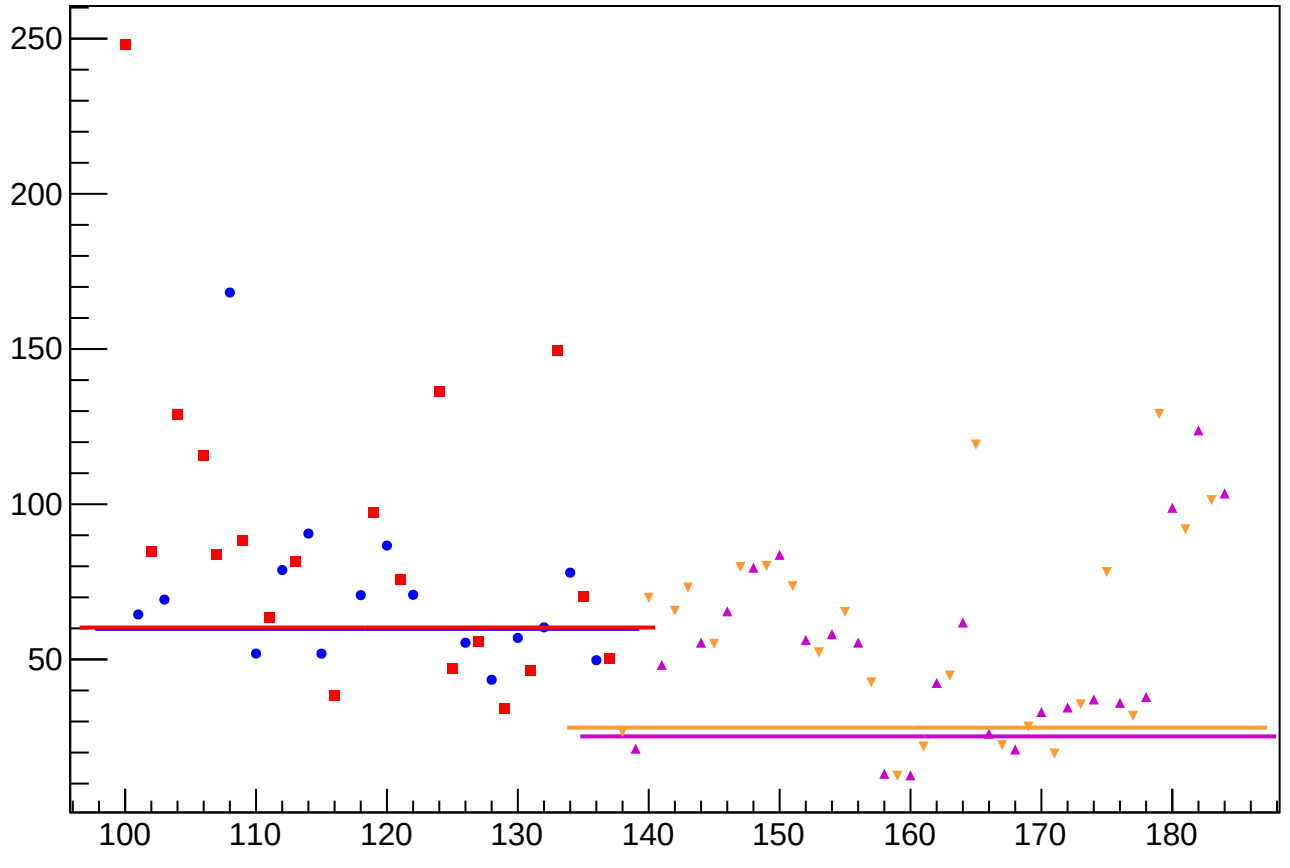
Left: -0.001+/-0.006 χ^2/NDF: 82.3/46

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:42.2/38

Out: 0.002+/-0.008 χ^2/NDF:72.6/42

All: -0.003+/-0.005 χ^2/NDF: 115.3/81



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: 25.205+/-0.006 χ^2/NDF:9964548.1/22

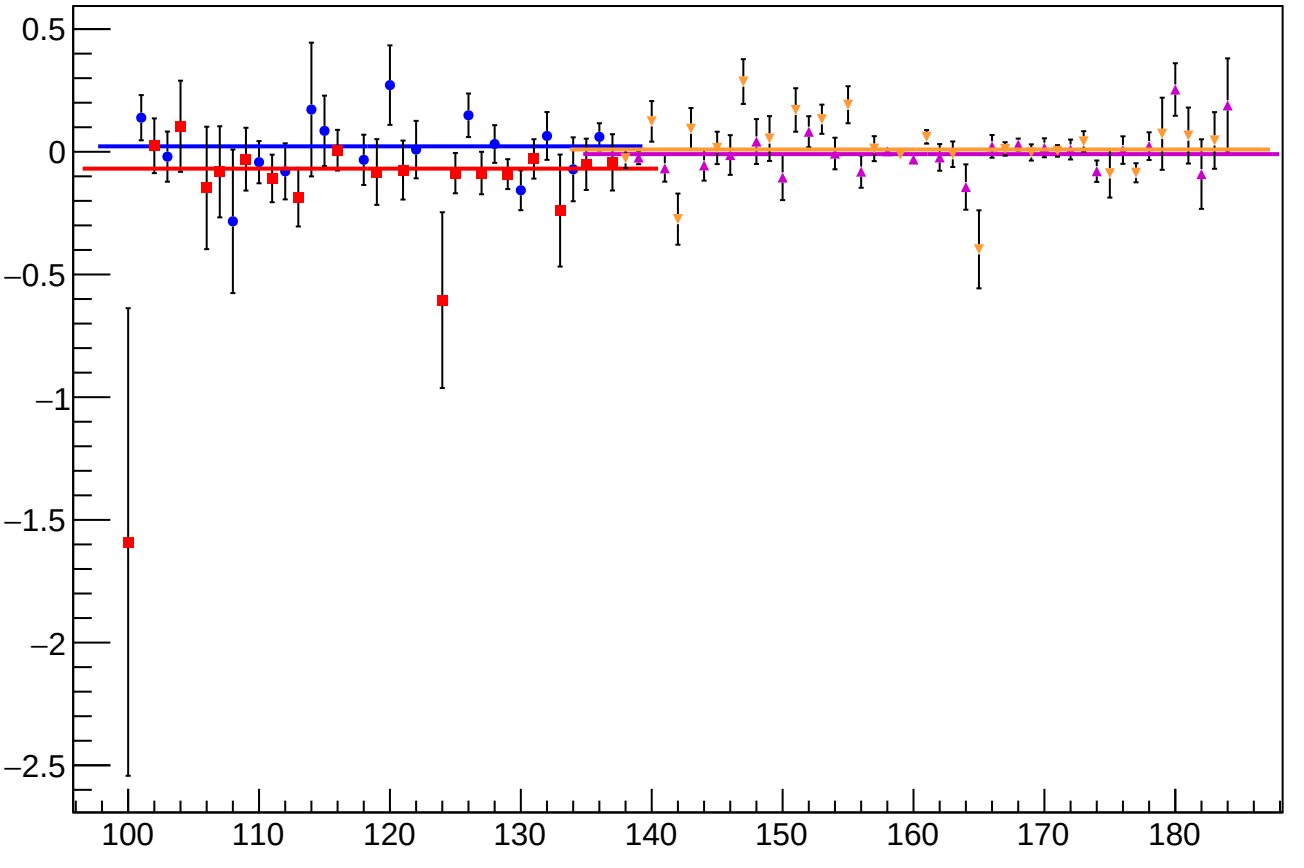
Left: 26.524+/-0.004 χ^2/NDF: 20862769.2/46

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 28.446+/-0.005 χ^2/NDF:14241454.8/38

Out: 31.279+/-0.006 χ^2/NDF:15684369.5/42

All: 29.775+/-0.004 χ^2/NDF: 30058107.8/81



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: -0.009+/-0.008 χ^2/NDF:25.2/22

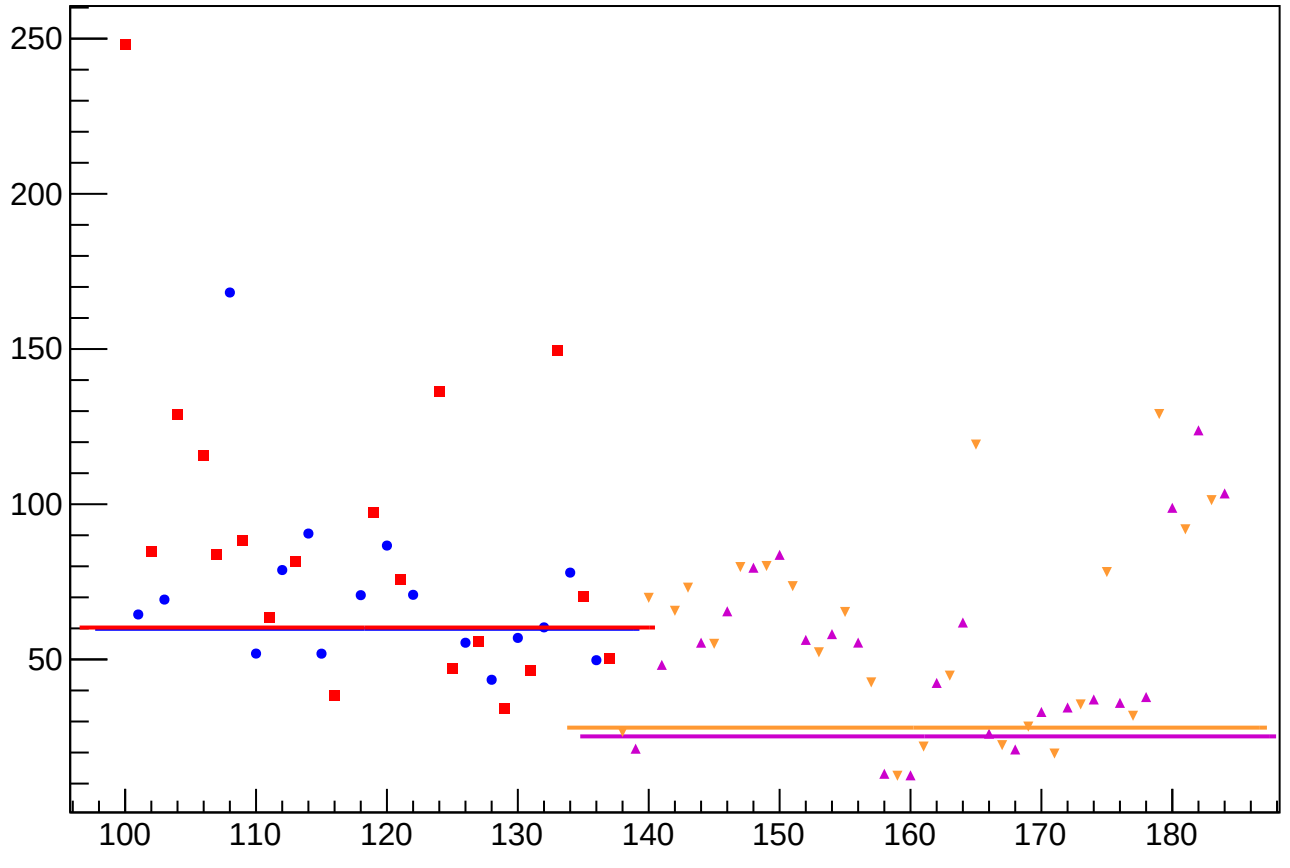
Left: -0.001+/-0.006 χ^2/NDF: 82.3/46

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:42.2/38

Out: 0.002+/-0.008 χ^2/NDF:72.6/42

All: -0.003+/-0.005 χ^2/NDF: 115.3/81



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: 25.205+/-0.006 χ^2/NDF:9964548.1/22

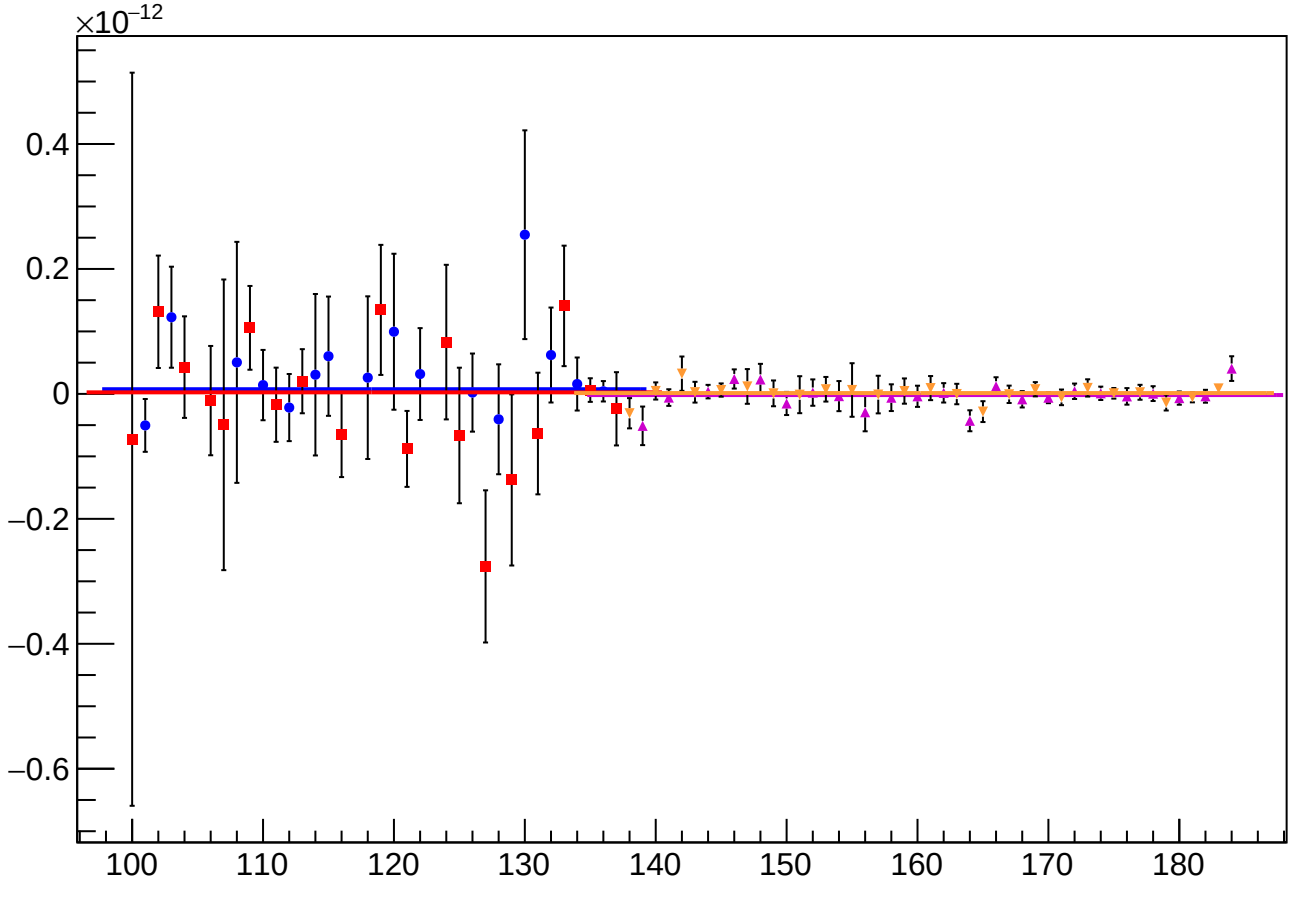
Left: 26.524+/-0.004 χ^2/NDF: 20862769.2/46

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 28.446+/-0.005 χ^2/NDF:14241454.8/38

Out: 31.279+/-0.006 χ^2/NDF:15684369.5/42

All: 29.775+/-0.004 χ^2/NDF: 30058107.8/81



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:20.8/22

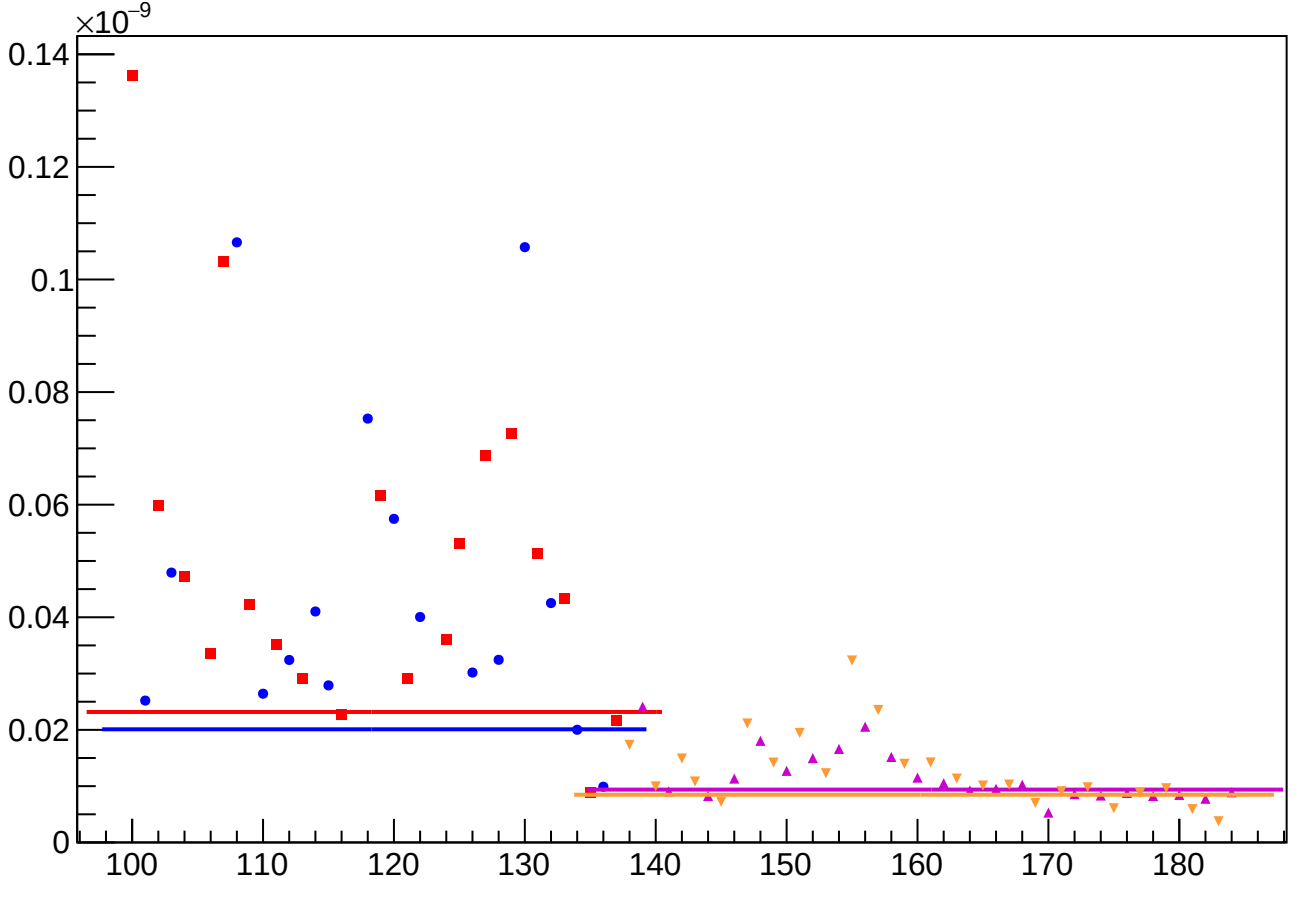
Left: -0.000+/-0.000 χ^2/NDF: 32.7/46

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:29.8/38

Out: 0.000+/-0.000 χ^2/NDF:30.9/42

All: 0.000+/-0.000 χ^2/NDF: 61.2/81



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:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6588478.8/46

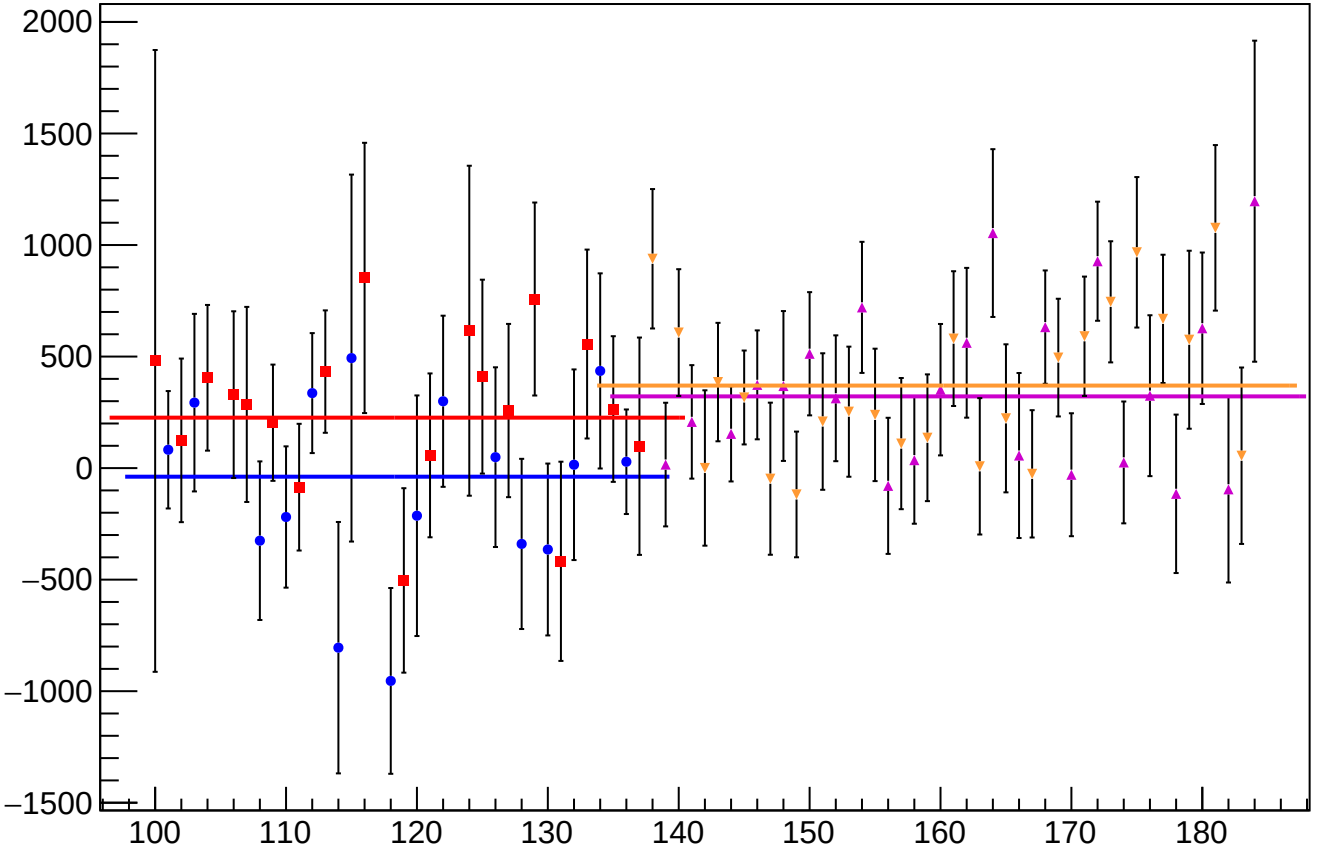
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:6736514.8/38

Out: 0.000+/-0.000 χ^2/NDF:10140708.8/42

All: 0.000+/-0.000 χ^2/NDF: 16985572.1/81

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: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 346.349+/-43.374 χ^2/NDF: 53.9/46

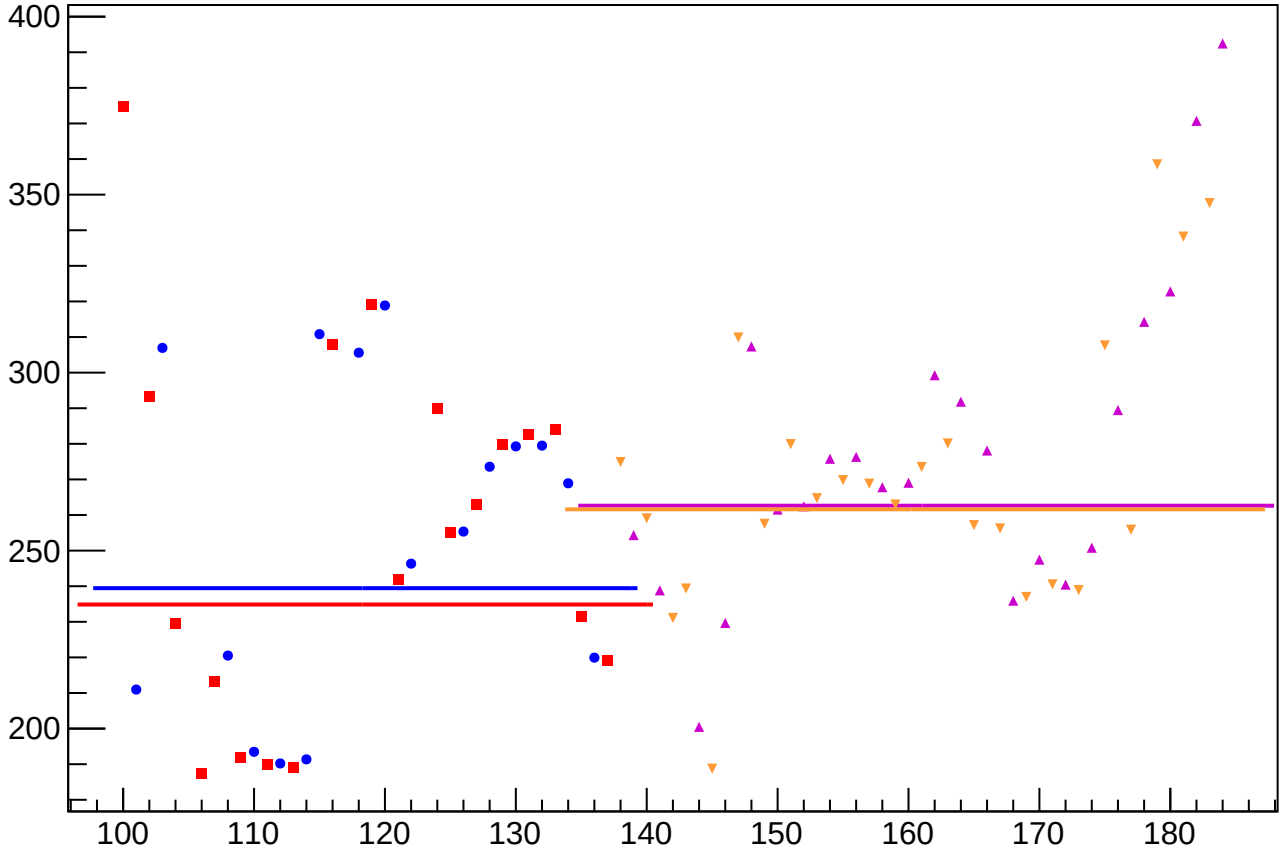
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 206.435+/-51.233 χ^2/NDF:51.4/38

Out: 323.664+/-49.892 χ^2/NDF:40.6/42

All: 266.605+/-35.744 χ^2/NDF: 94.7/81

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: 262.616+/-0.044 χ^2/NDF:670646.3/22

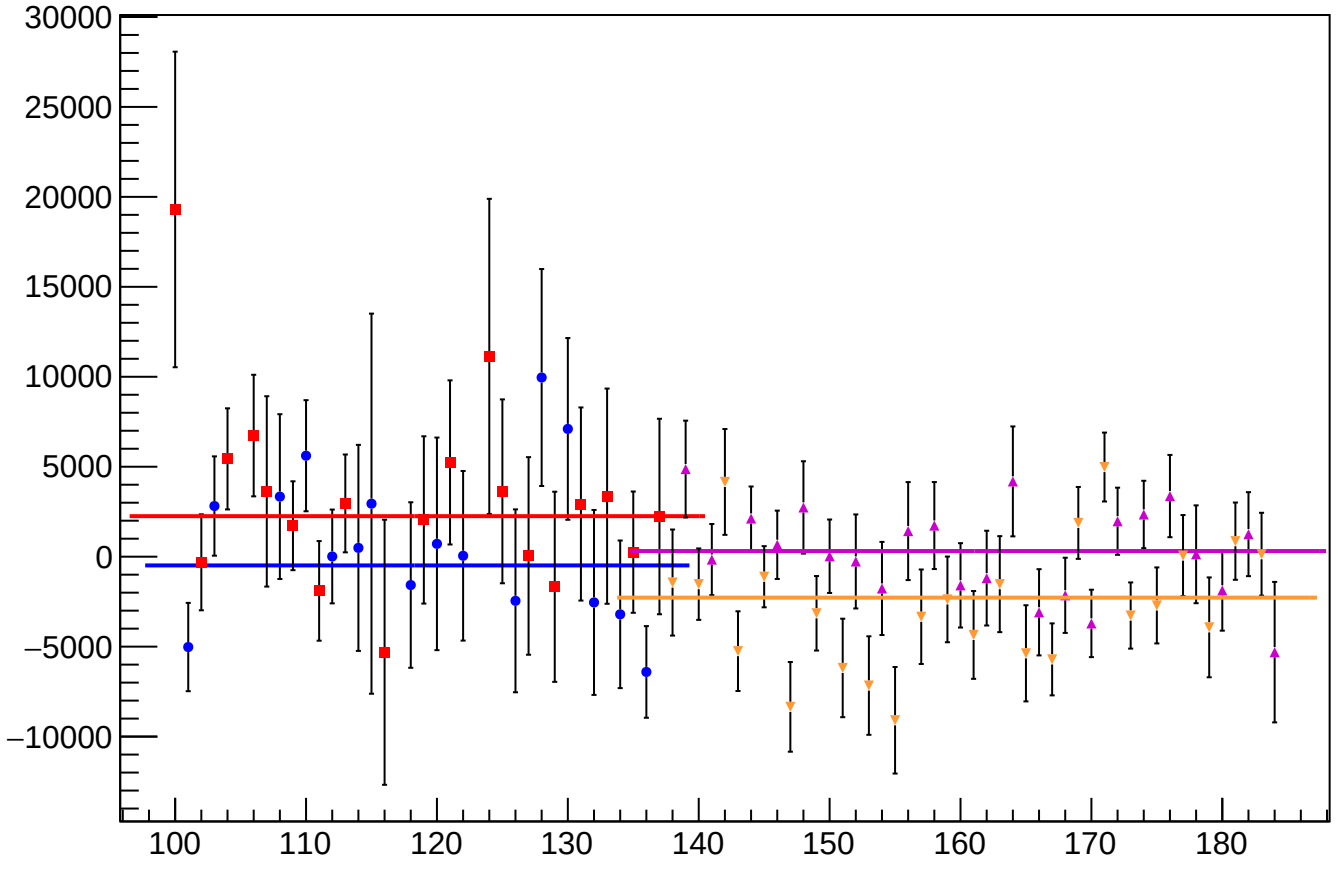
Left: 262.097+/-0.031 χ^2/NDF: 1385736.6/46

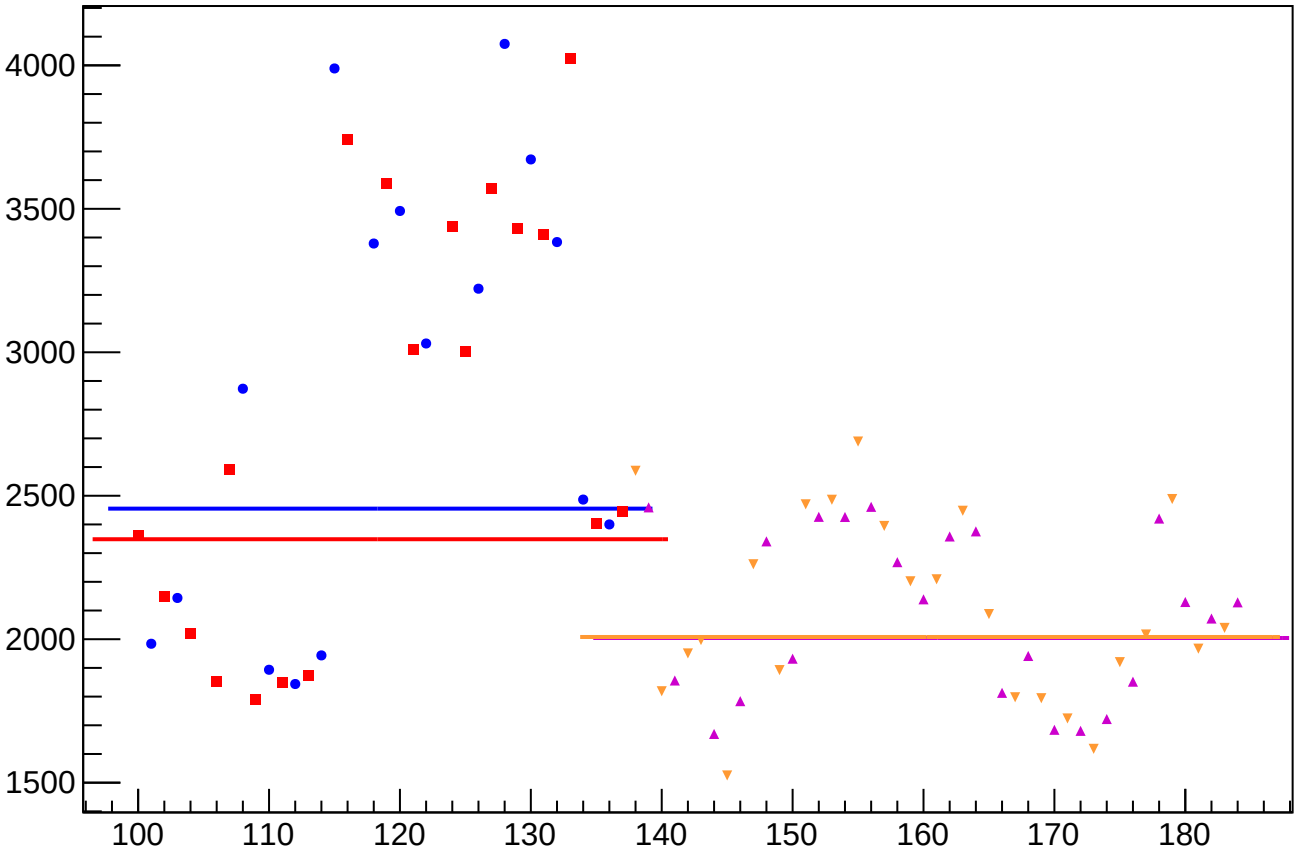
Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 255.211+/-0.036 χ^2/NDF:1160537.8/38

Out: 252.987+/-0.035 χ^2/NDF:1322051.6/42

All: 254.069+/-0.025 χ^2/NDF: 2484524.1/81


asym_sam4_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: -485.932+/-947.459 χ²/NDF: 21.1/15
Left Out: -2276.013+/-466.050 χ²/NDF:52.9/23
Right Out: 2251.898+/-894.171 χ²/NDF: 13.9/18
Left In: 313.739+/-474.086 χ²/NDF:23.7/22
Left: -1003.273+/-332.352 χ²/NDF: 91.7/46
Right: 962.136+/-650.297 χ²/NDF: 39.4/34
In: 153.612+/-423.971 χ²/NDF:45.4/38
Out: -1308.737+/-413.282 χ²/NDF:86.9/42
All: -596.229+/-295.942 χ²/NDF: 138.4/81



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: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2006.026+/-0.235 χ^2/NDF: 1582762.7/46

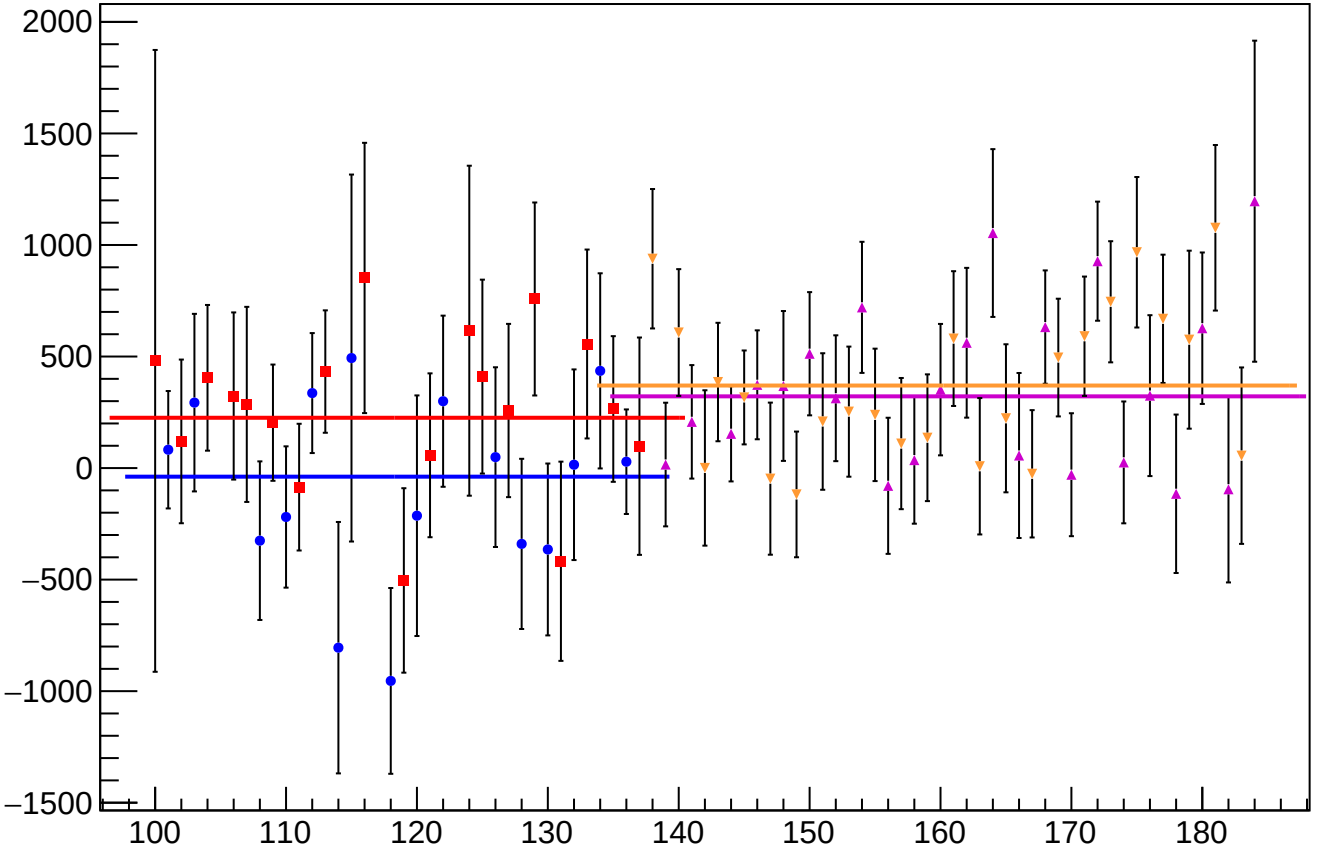
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2094.524+/-0.300 χ^2/NDF:1961510.8/38

Out: 2080.530+/-0.292 χ^2/NDF:2158536.4/42

All: 2087.348+/-0.209 χ^2/NDF: 4121164.6/81

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: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 346.360+/-43.374 χ^2/NDF: 53.9/46

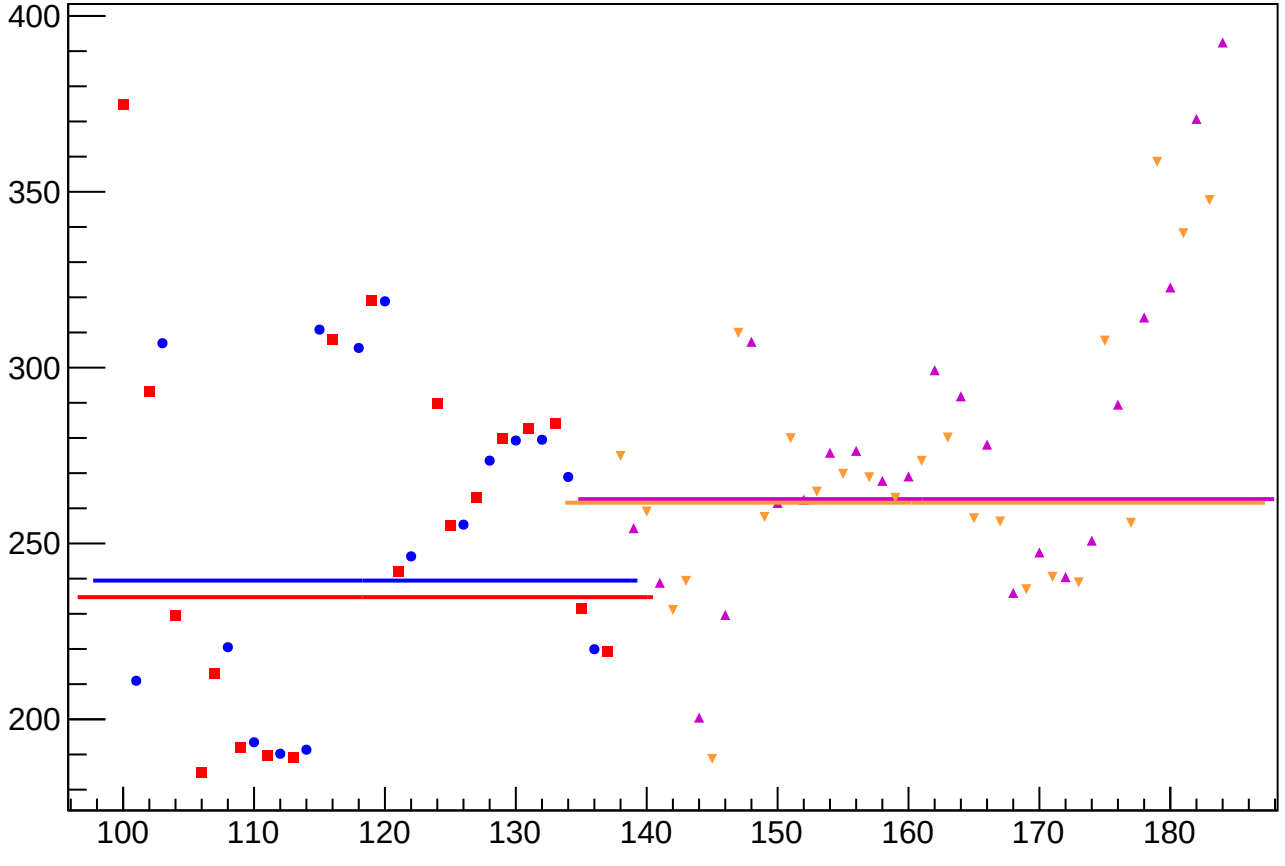
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 206.432+/-51.233 χ^2/NDF:51.4/38

Out: 323.475+/-49.894 χ^2/NDF:40.6/42

All: 266.503+/-35.744 χ^2/NDF: 94.7/81

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: 262.616+/-0.044 χ^2/NDF:670646.4/22

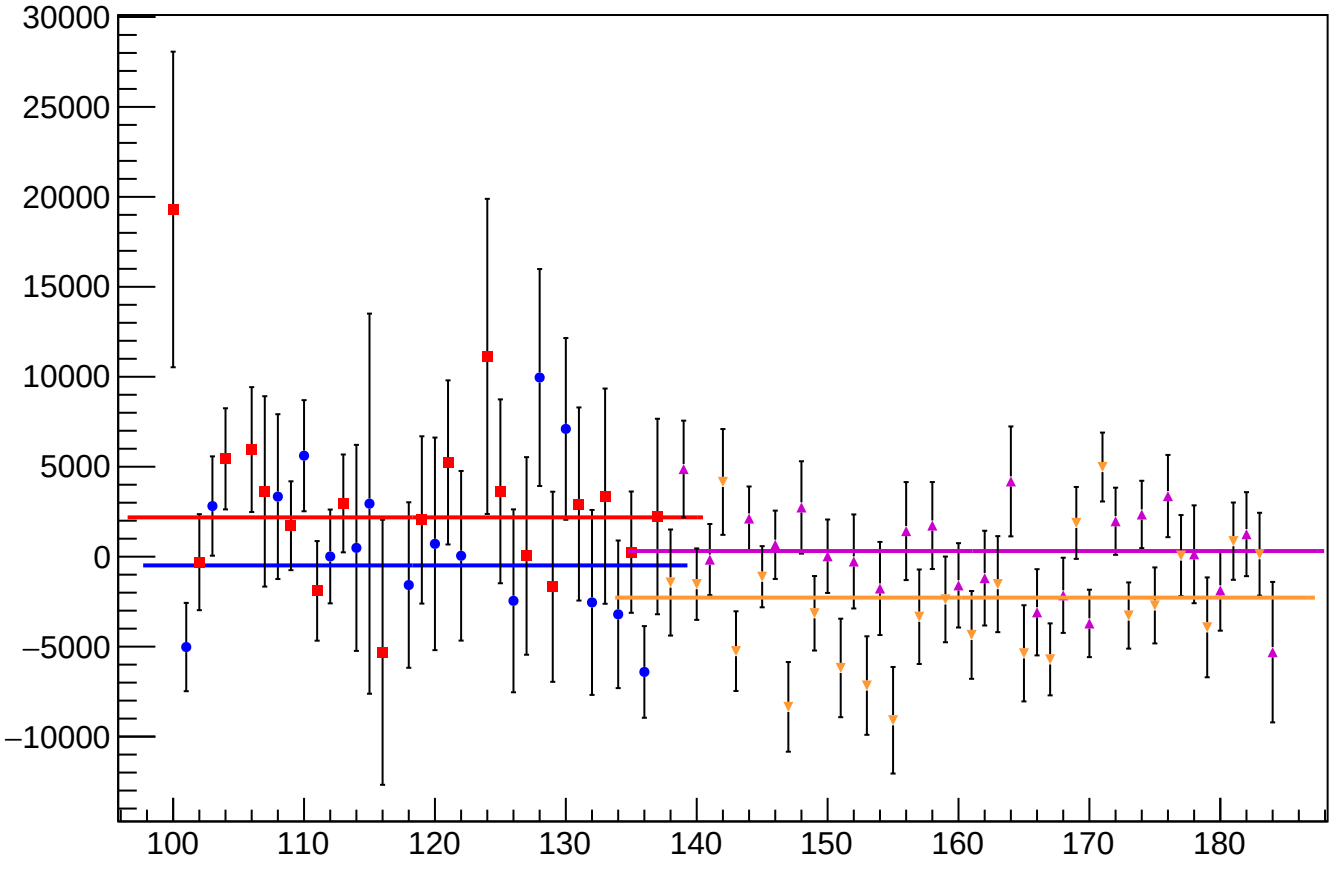
Left: 262.097+/-0.031 χ^2/NDF: 1385736.7/46

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 255.211+/-0.036 χ^2/NDF:1160539.8/38

Out: 252.949+/-0.035 χ^2/NDF:1326692.9/42

All: 254.050+/-0.025 χ^2/NDF: 2489232.9/81



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: 313.745+/-474.086 χ^2/NDF:23.7/22

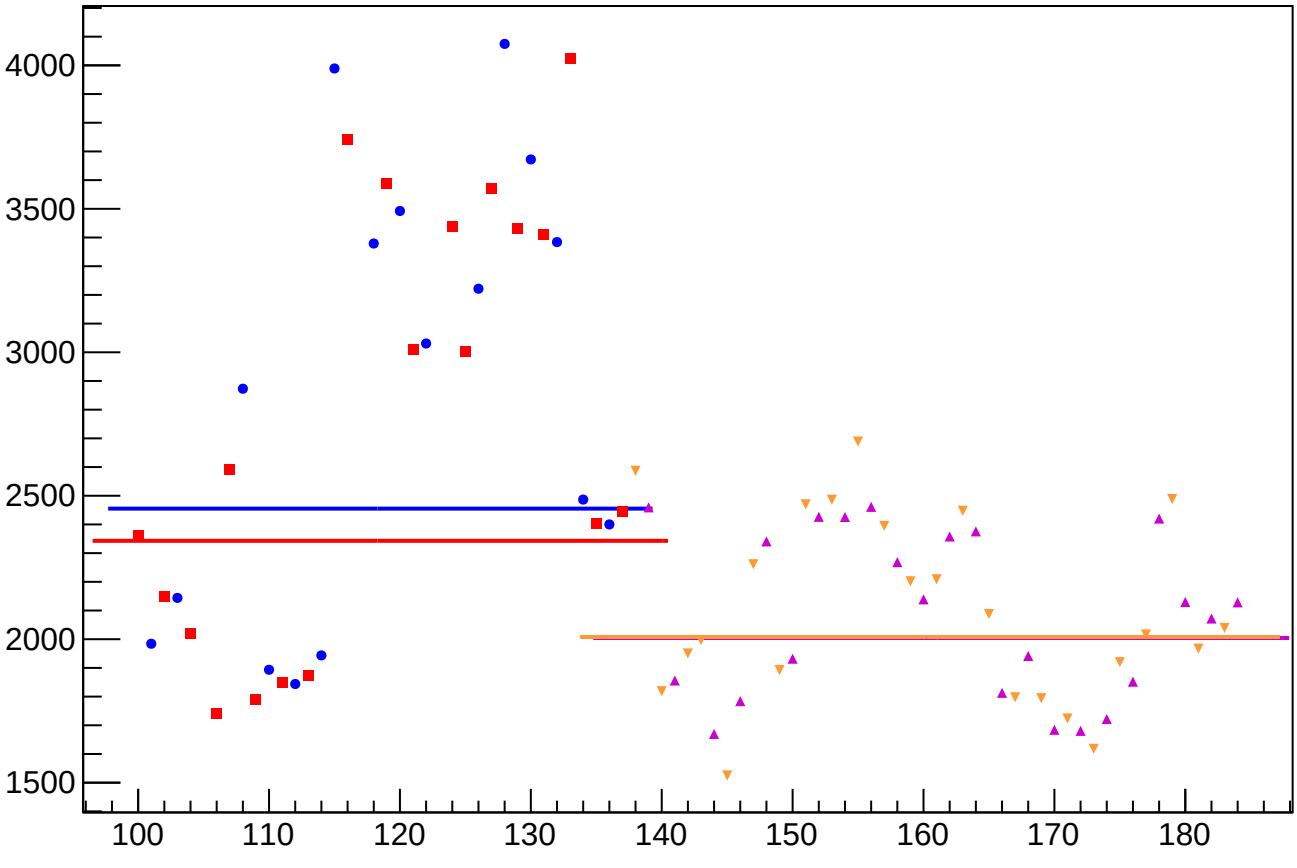
Left: -1003.260+/-332.352 χ^2/NDF: 91.7/46

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 153.585+/-423.972 χ^2/NDF:45.4/38

Out: -1325.877+/-413.449 χ^2/NDF:85.6/42

All: -604.735+/-296.003 χ^2/NDF: 137.2/81



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: 2004.244+/-0.335 χ^2/NDF:704920.5/22

Left: 2006.026+/-0.235 χ^2/NDF: 1582763.9/46

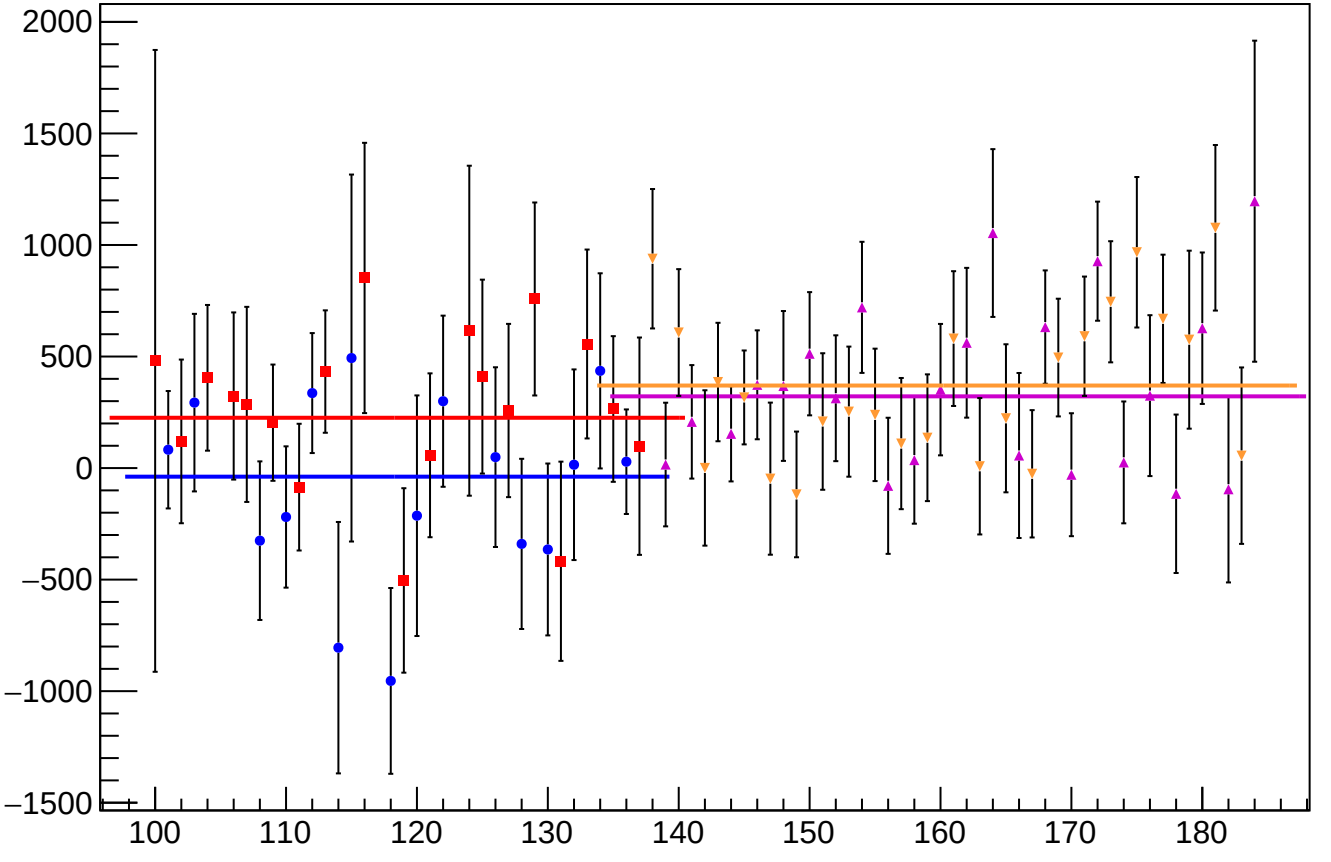
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2094.528+/-0.300 χ^2/NDF:1961513.6/38

Out: 2079.144+/-0.292 χ^2/NDF:2168546.9/42

All: 2086.643+/-0.209 χ^2/NDF: 4131410.2/81

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: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 346.360+/-43.374 χ^2/NDF: 53.9/46

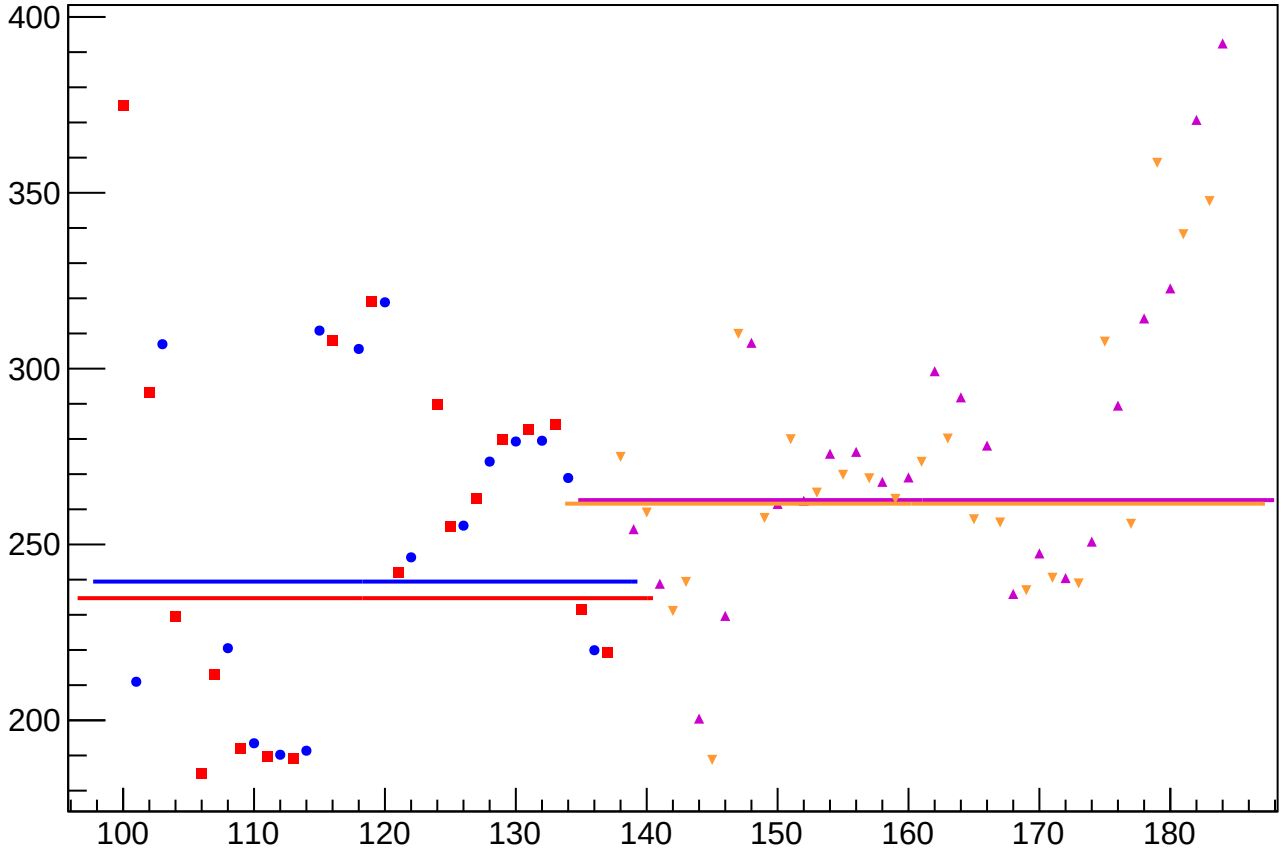
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 206.432+/-51.233 χ^2/NDF:51.4/38

Out: 323.475+/-49.894 χ^2/NDF:40.6/42

All: 266.503+/-35.744 χ^2/NDF: 94.7/81

eigen_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: 262.616+/-0.044 χ^2/NDF:670646.4/22

Left: 262.097+/-0.031 χ^2/NDF: 1385736.7/46

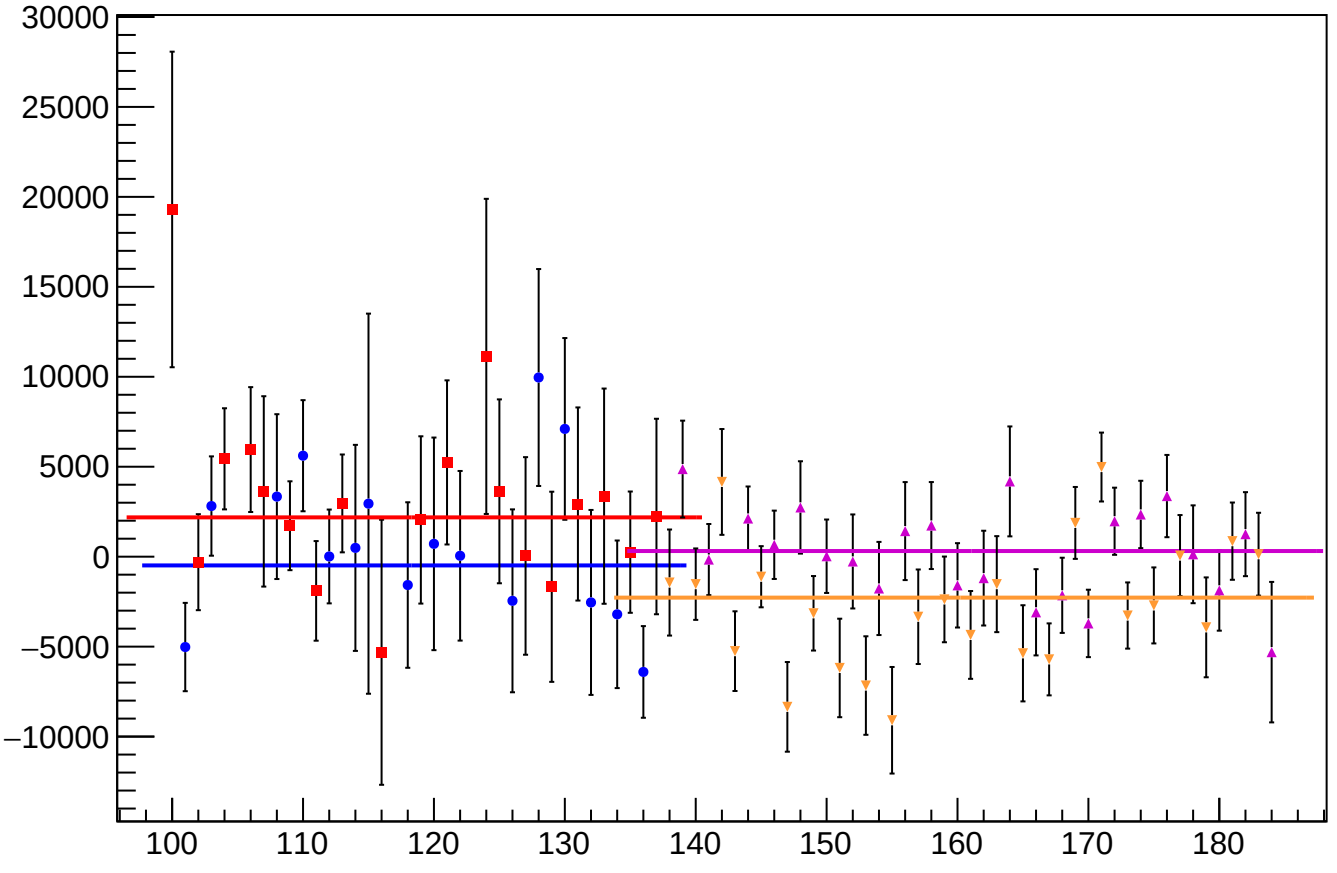
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 255.211+/-0.036 χ^2/NDF:1160539.8/38

Out: 252.949+/-0.035 χ^2/NDF:1326692.9/42

All: 254.050+/-0.025 χ^2/NDF: 2489232.9/81

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: 313.745+/-474.086 χ^2/NDF:23.7/22

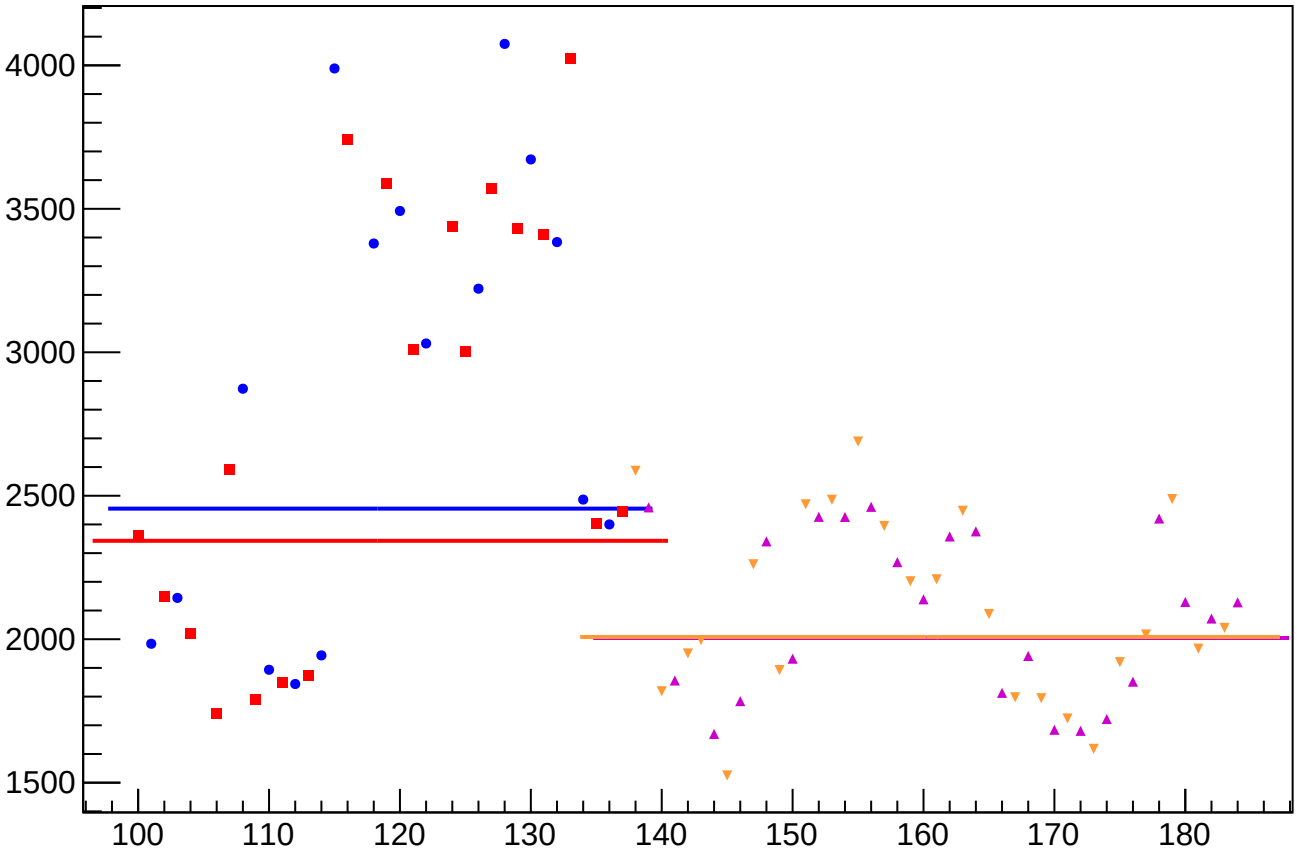
Left: -1003.260+/-332.352 χ^2/NDF: 91.7/46

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 153.585+/-423.972 χ^2/NDF:45.4/38

Out: -1325.877+/-413.449 χ^2/NDF:85.6/42

All: -604.735+/-296.003 χ^2/NDF: 137.2/81



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: 2004.244+/-0.335 χ^2/NDF:704920.5/22

Left: 2006.026+/-0.235 χ^2/NDF: 1582763.9/46

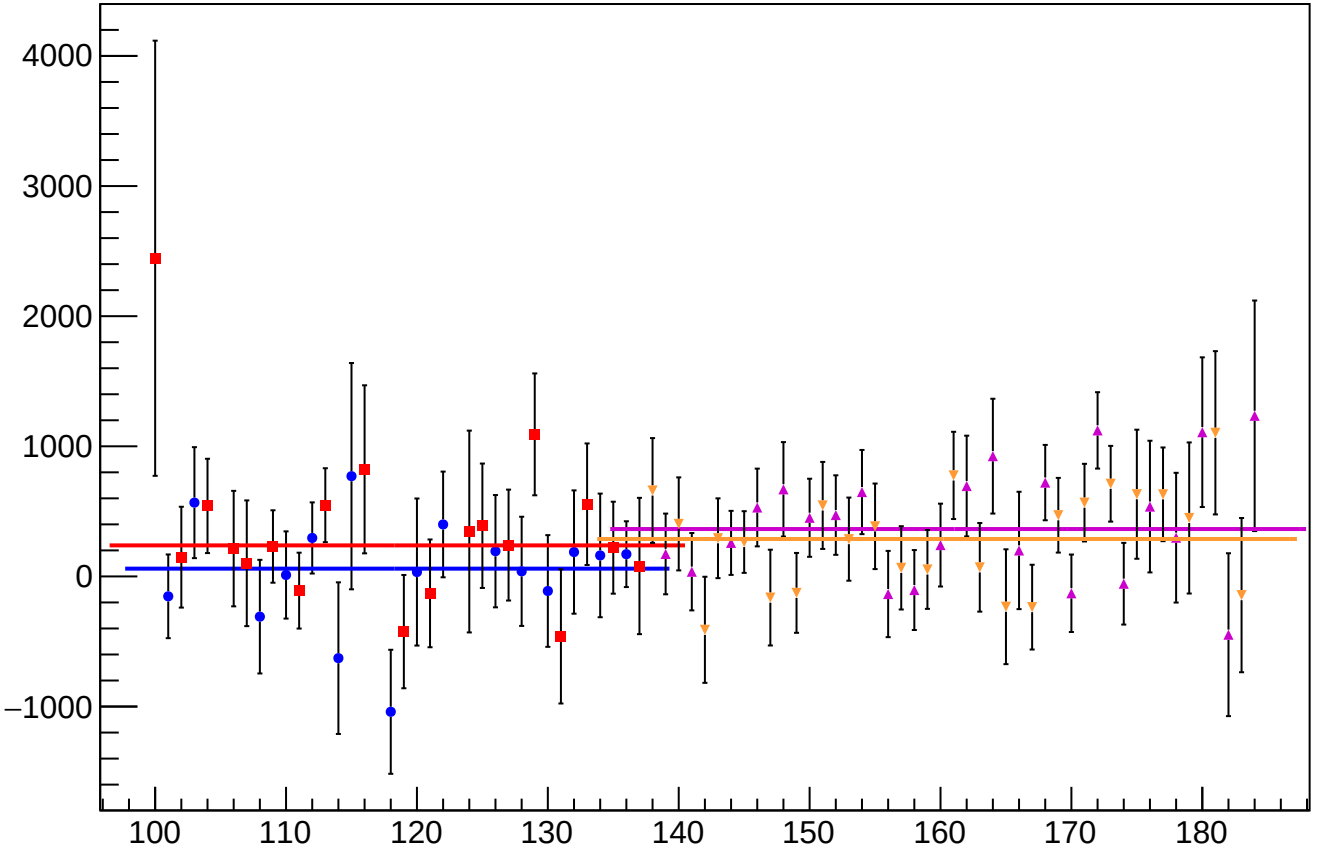
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2094.528+/-0.300 χ^2/NDF:1961513.6/38

Out: 2079.144+/-0.292 χ^2/NDF:2168546.9/42

All: 2086.643+/-0.209 χ^2/NDF: 4131410.2/81

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: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 325.180+/-50.192 χ^2/NDF: 51.4/46

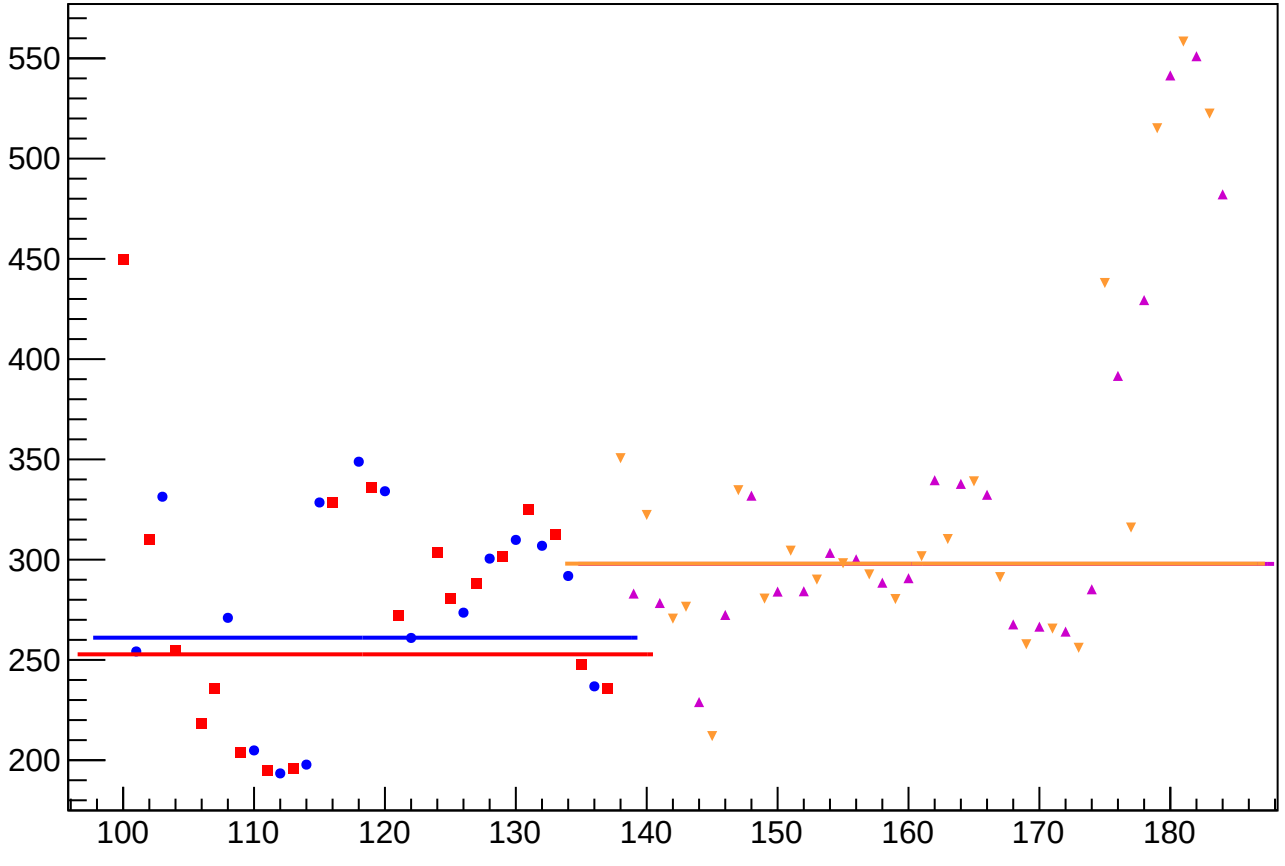
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 259.711+/-58.123 χ^2/NDF:46.4/38

Out: 270.351+/-56.509 χ^2/NDF:37.7/42

All: 265.181+/-40.517 χ^2/NDF: 84.1/81

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: 297.885+/-0.051 χ^2/NDF:1319062.0/22

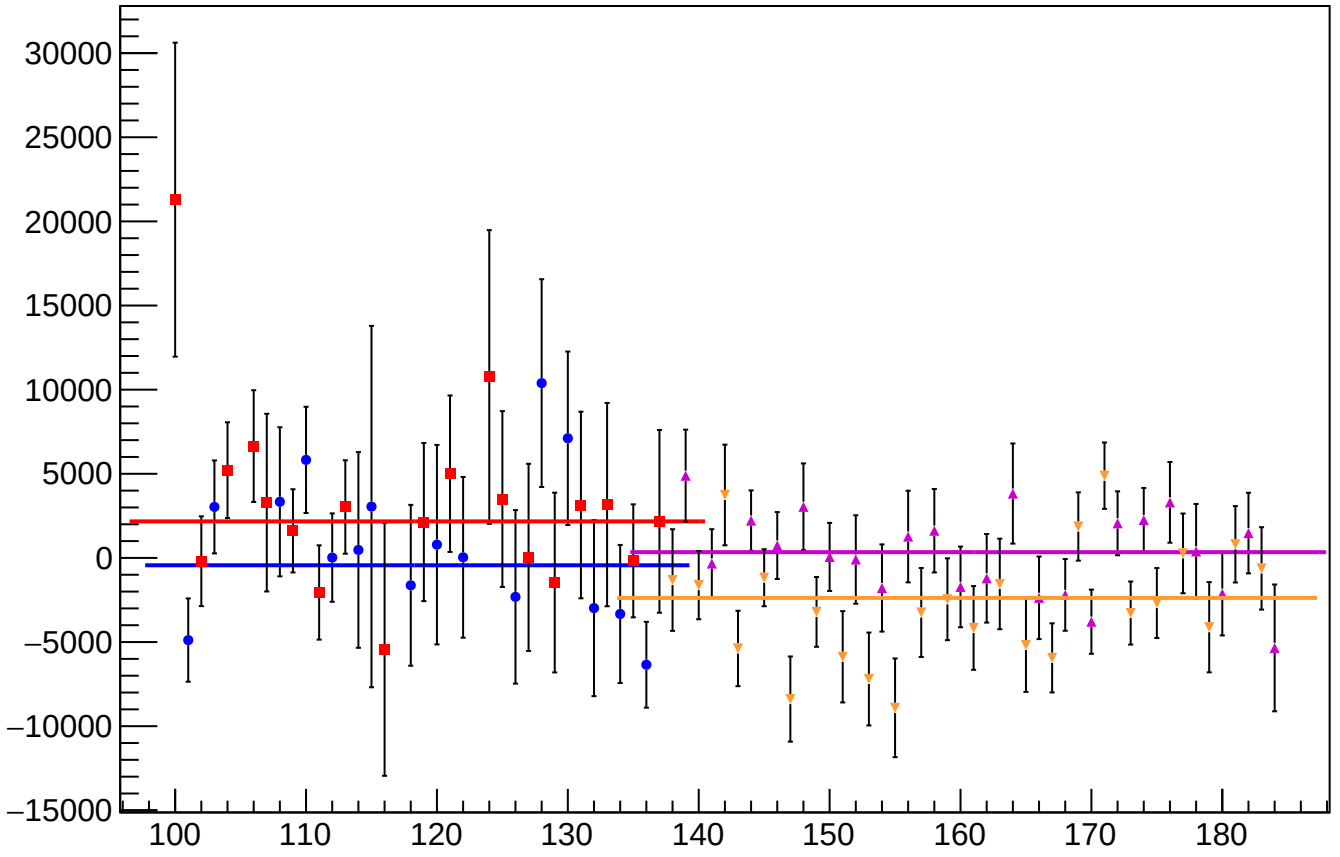
Left: 297.952+/-0.035 χ^2/NDF: 2880908.5/46

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 285.260+/-0.041 χ^2/NDF:1962382.2/38

Out: 282.034+/-0.040 χ^2/NDF:2391897.6/42

All: 283.602+/-0.029 χ^2/NDF: 4357447.5/81



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: 342.609+/-483.605 χ^2/NDF:22.8/22

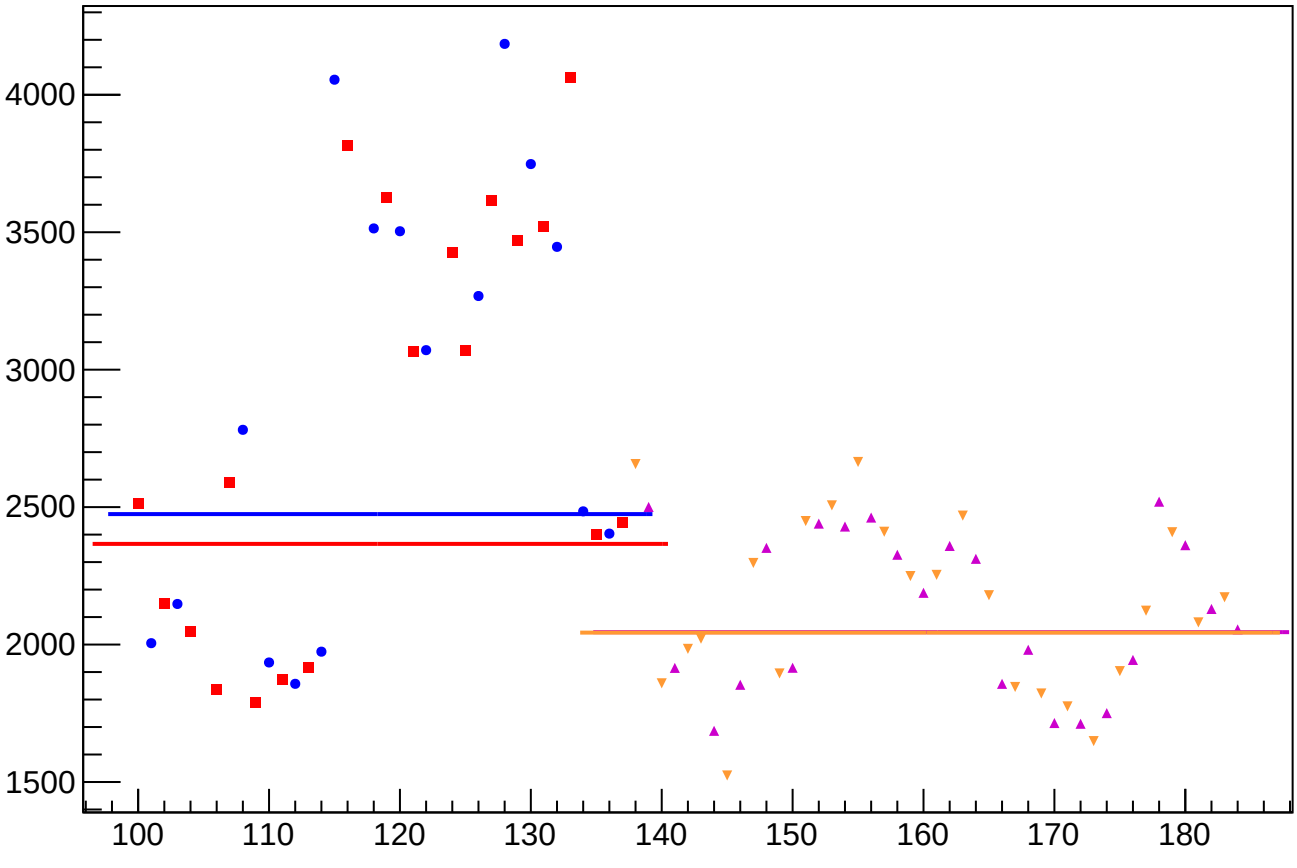
Left: -1044.562+/-338.412 χ^2/NDF: 88.3/46

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 183.583+/-431.453 χ^2/NDF:44.6/38

Out: -1390.893+/-419.308 χ^2/NDF:83.3/42

All: -626.126+/-300.698 χ^2/NDF: 134.7/81



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: 2045.178+/-0.342 χ^2/NDF:690219.7/22

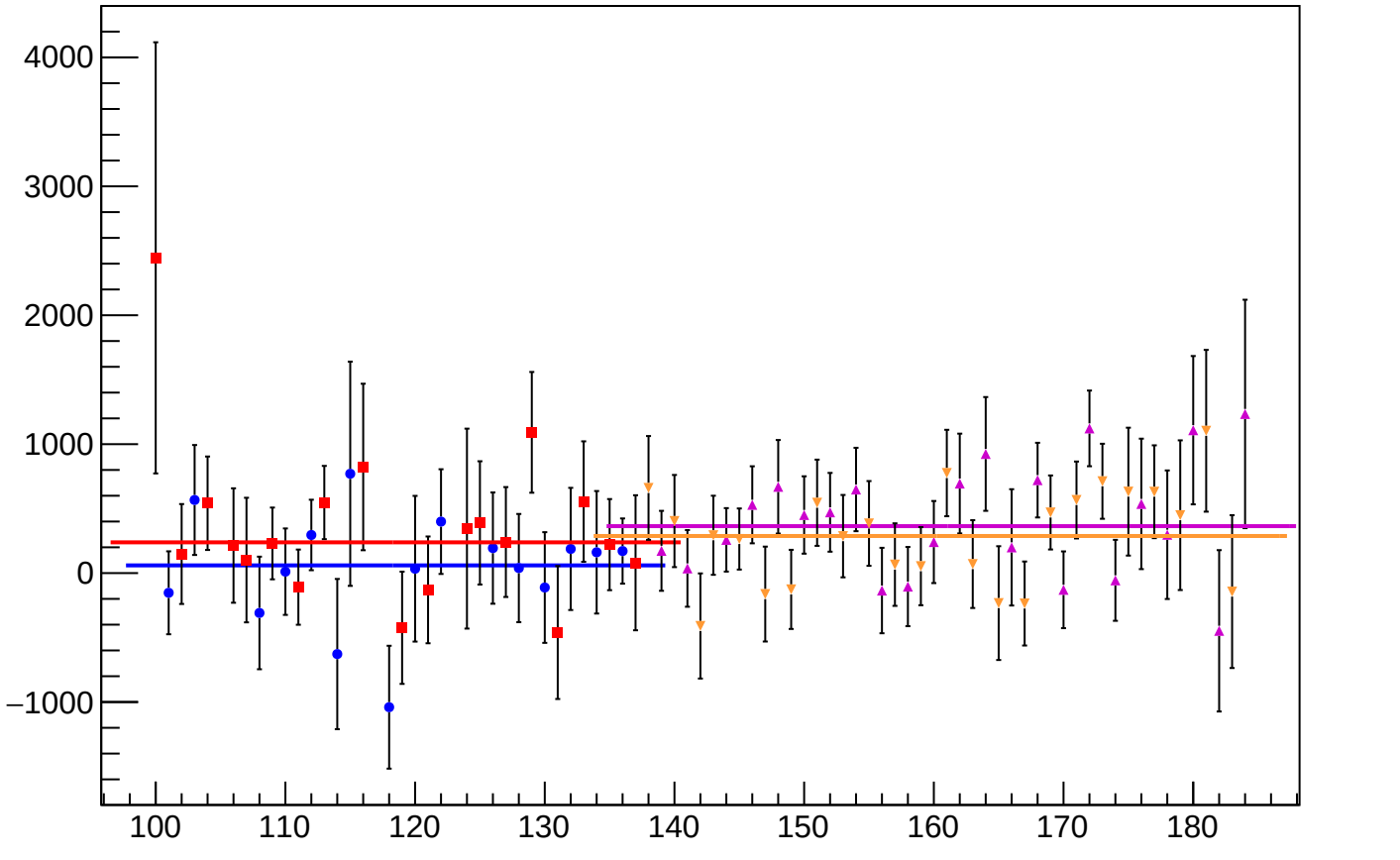
Left: 2044.311+/-0.239 χ^2/NDF: 1543576.6/46

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

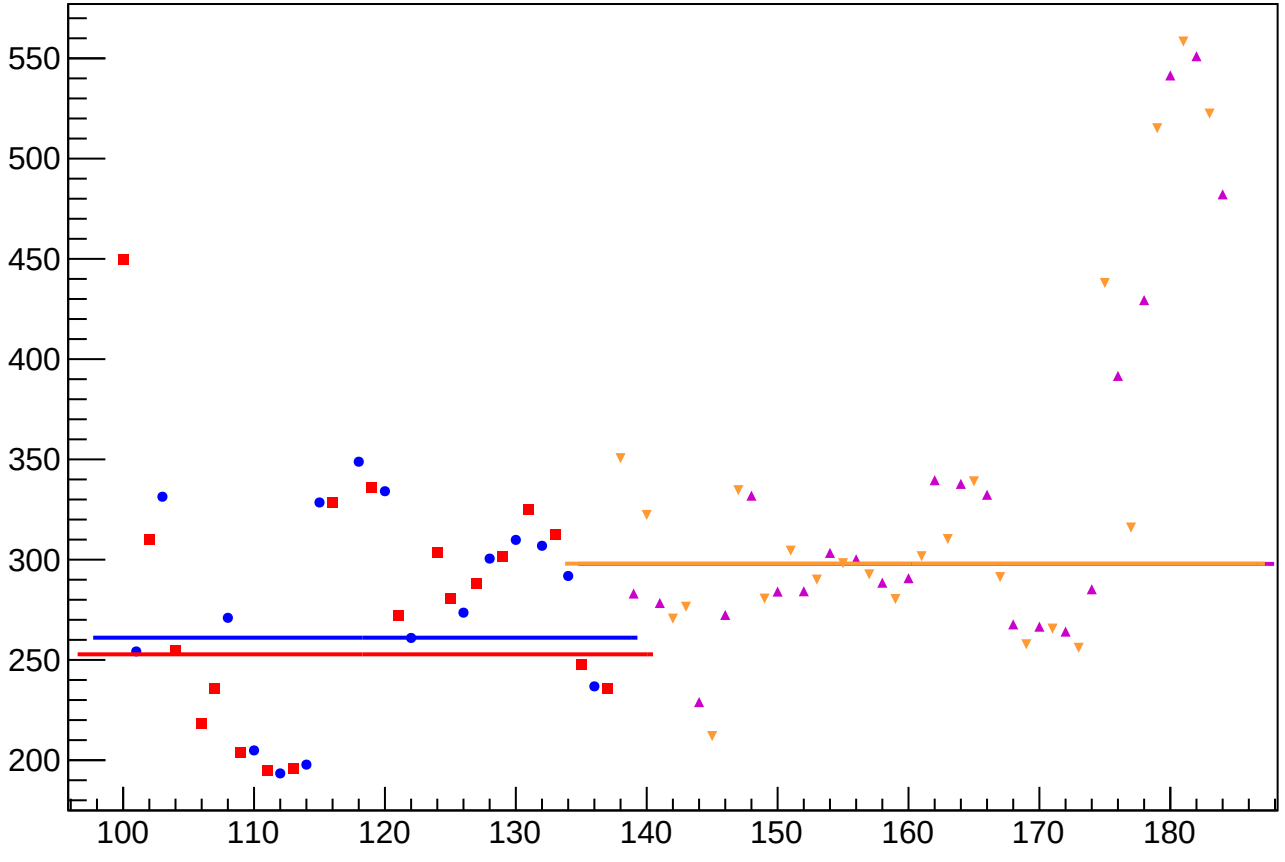
In: 2132.807+/-0.305 χ^2/NDF:1928280.4/38

Out: 2113.362+/-0.296 χ^2/NDF:2131529.1/42

All: 2122.807+/-0.213 χ^2/NDF: 4061898.5/81


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: 364.164+/-71.714 χ²/NDF:28.2/22
Left: 325.183+/-50.192 χ²/NDF: 51.4/46
Right: 152.957+/-68.645 χ²/NDF: 28.6/34
In: 259.714+/-58.123 χ²/NDF:46.4/38
Out: 270.354+/-56.509 χ²/NDF:37.7/42
All: 265.184+/-40.517 χ²/NDF: 84.1/81

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: 297.885+/-0.051 χ^2/NDF:1319043.7/22

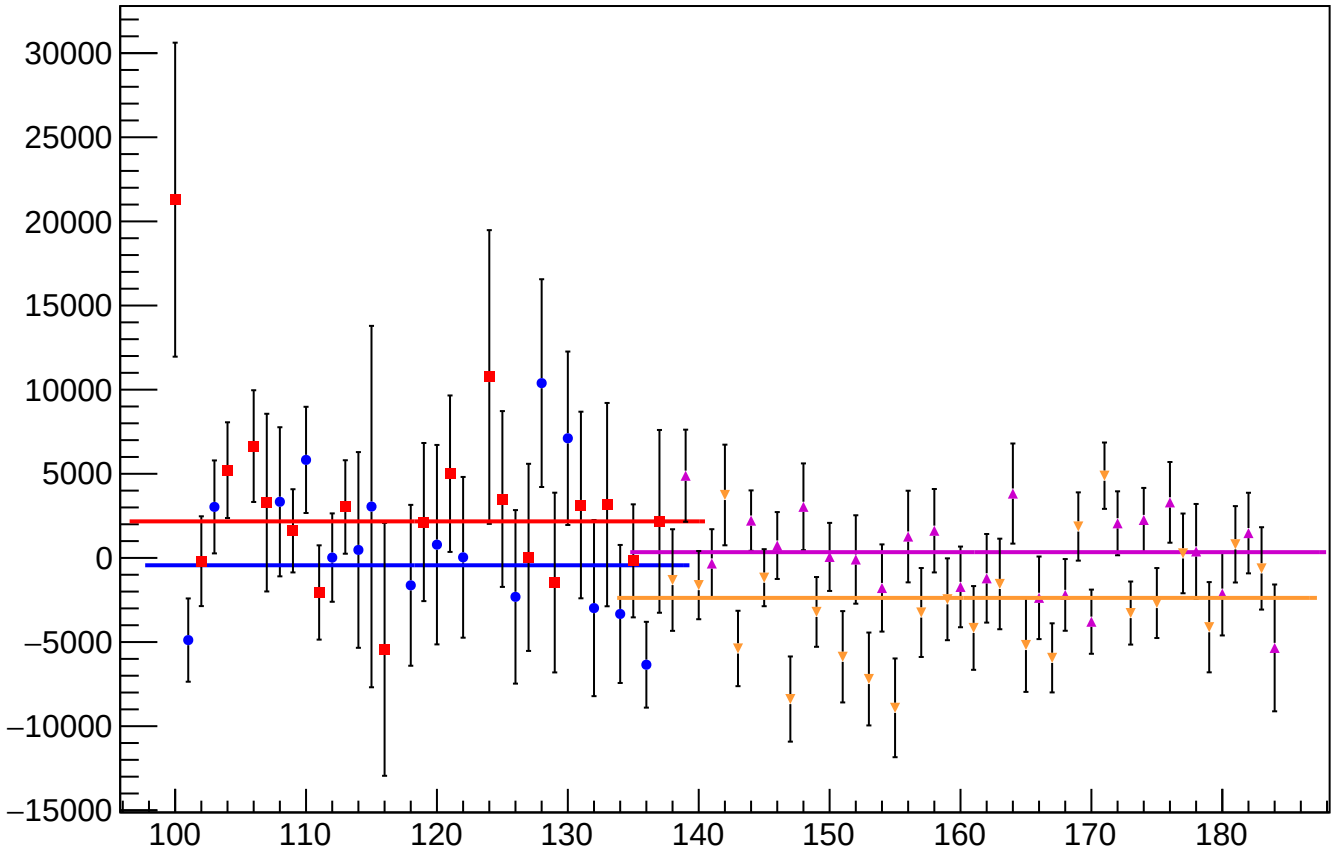
Left: 297.952+/-0.035 χ^2/NDF: 2880889.6/46

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 285.261+/-0.041 χ^2/NDF:1962368.8/38

Out: 282.034+/-0.040 χ^2/NDF:2391904.4/42

All: 283.602+/-0.029 χ^2/NDF: 4357440.9/81



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: 342.606+/-483.604 χ^2/NDF:22.8/22

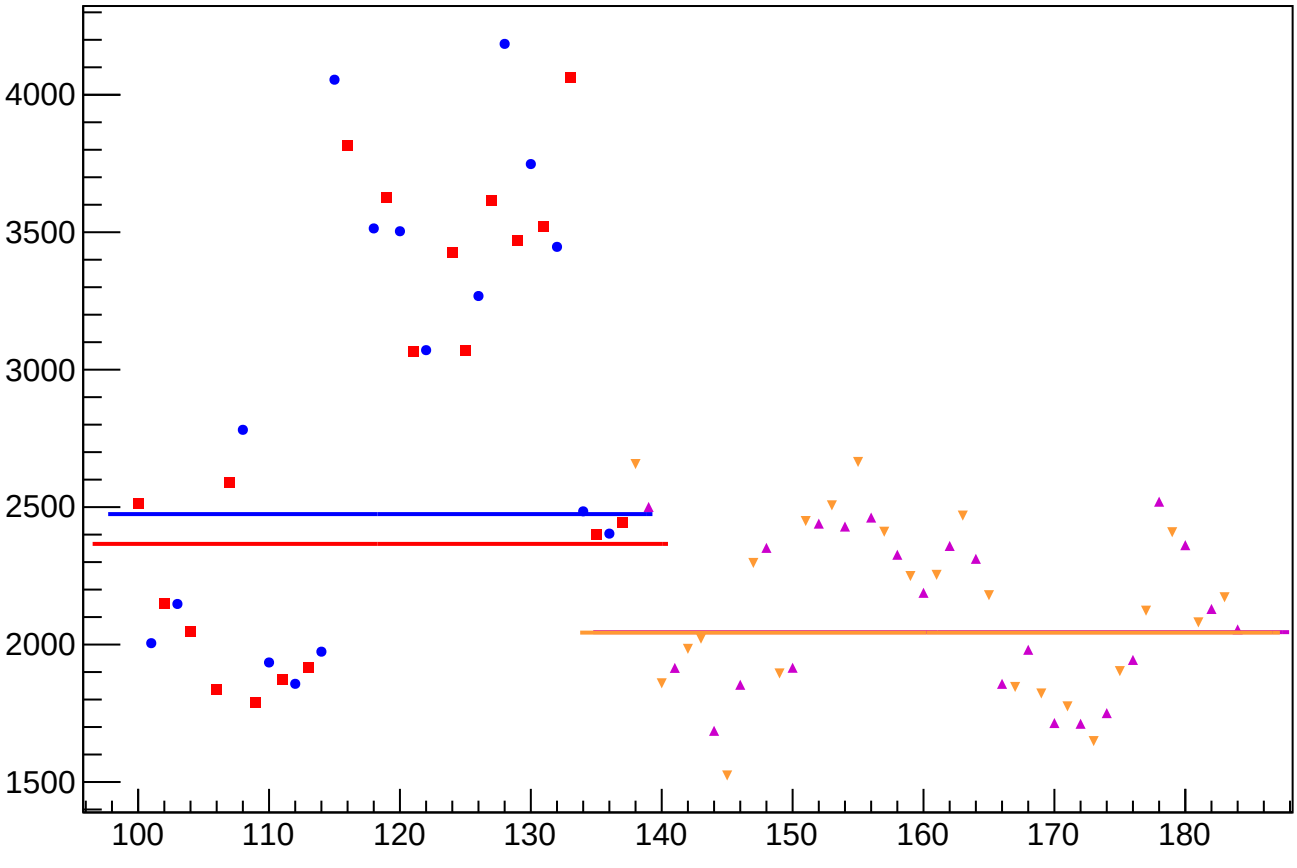
Left: -1044.560+/-338.411 χ^2/NDF: 88.3/46

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 183.582+/-431.452 χ^2/NDF:44.6/38

Out: -1390.890+/-419.308 χ^2/NDF:83.3/42

All: -626.125+/-300.697 χ^2/NDF: 134.7/81



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: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.308+/-0.239 χ^2/NDF: 1543577.4/46

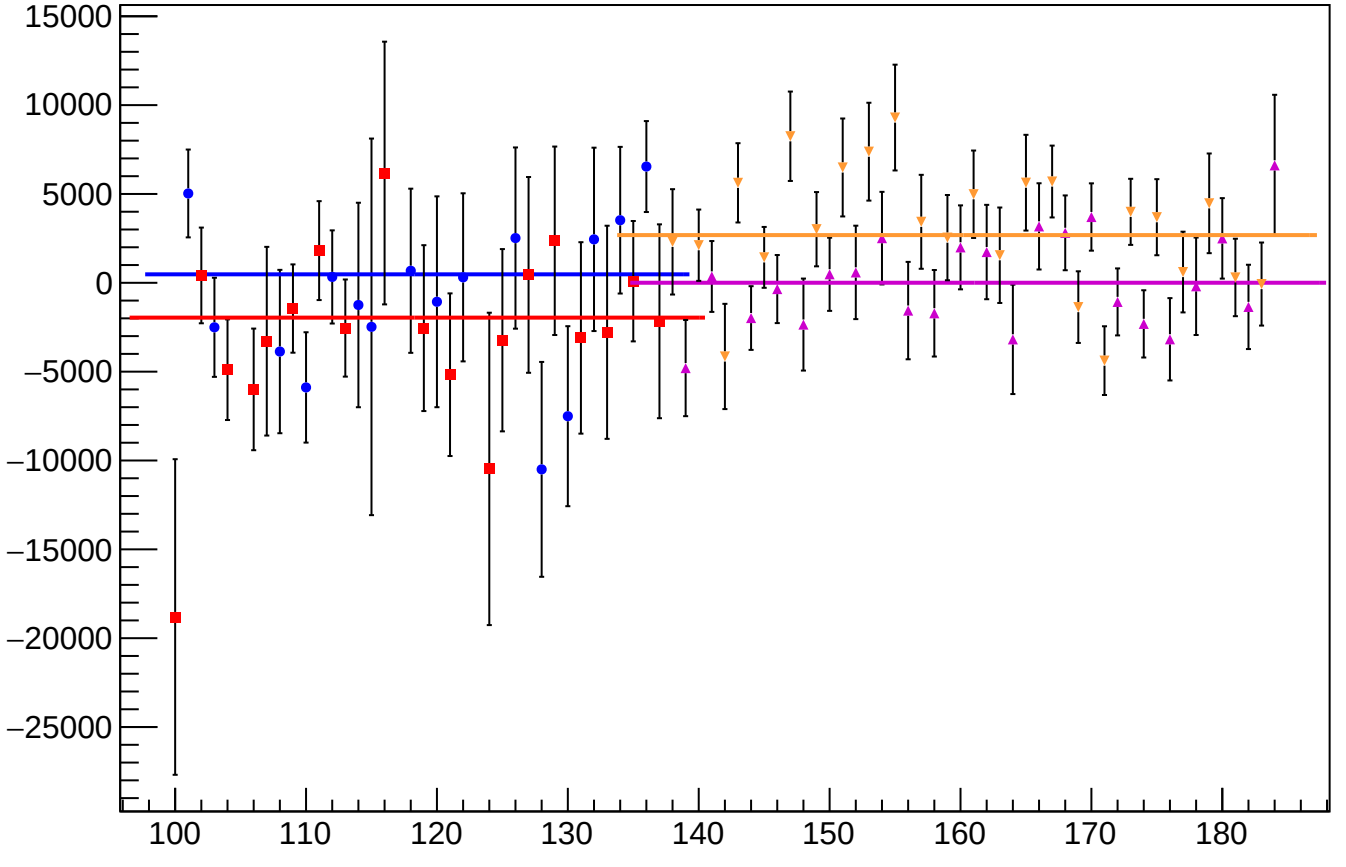
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2132.804+/-0.305 χ^2/NDF:1928284.5/38

Out: 2113.359+/-0.296 χ^2/NDF:2131535.8/42

All: 2122.804+/-0.213 χ^2/NDF: 4061909.3/81

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: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1367.345+/-335.445 χ^2/NDF: 89.5/46

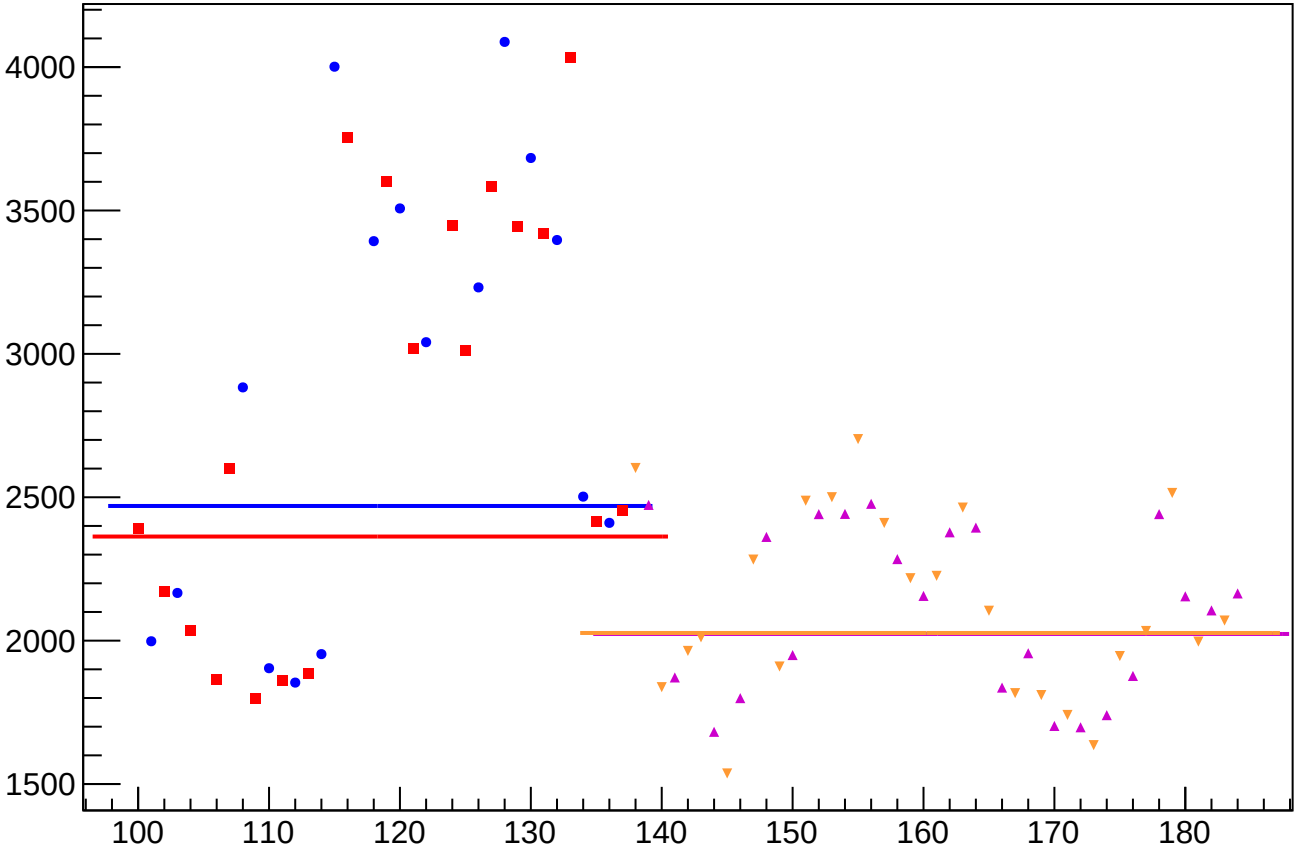
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: 98.917+/-427.611 χ^2/NDF:47.0/38

Out: 1688.184+/-416.842 χ^2/NDF:82.6/42

All: 913.815+/-298.486 χ^2/NDF: 136.7/81

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: 2023.284+/-0.338 χ^2/NDF:696055.4/22

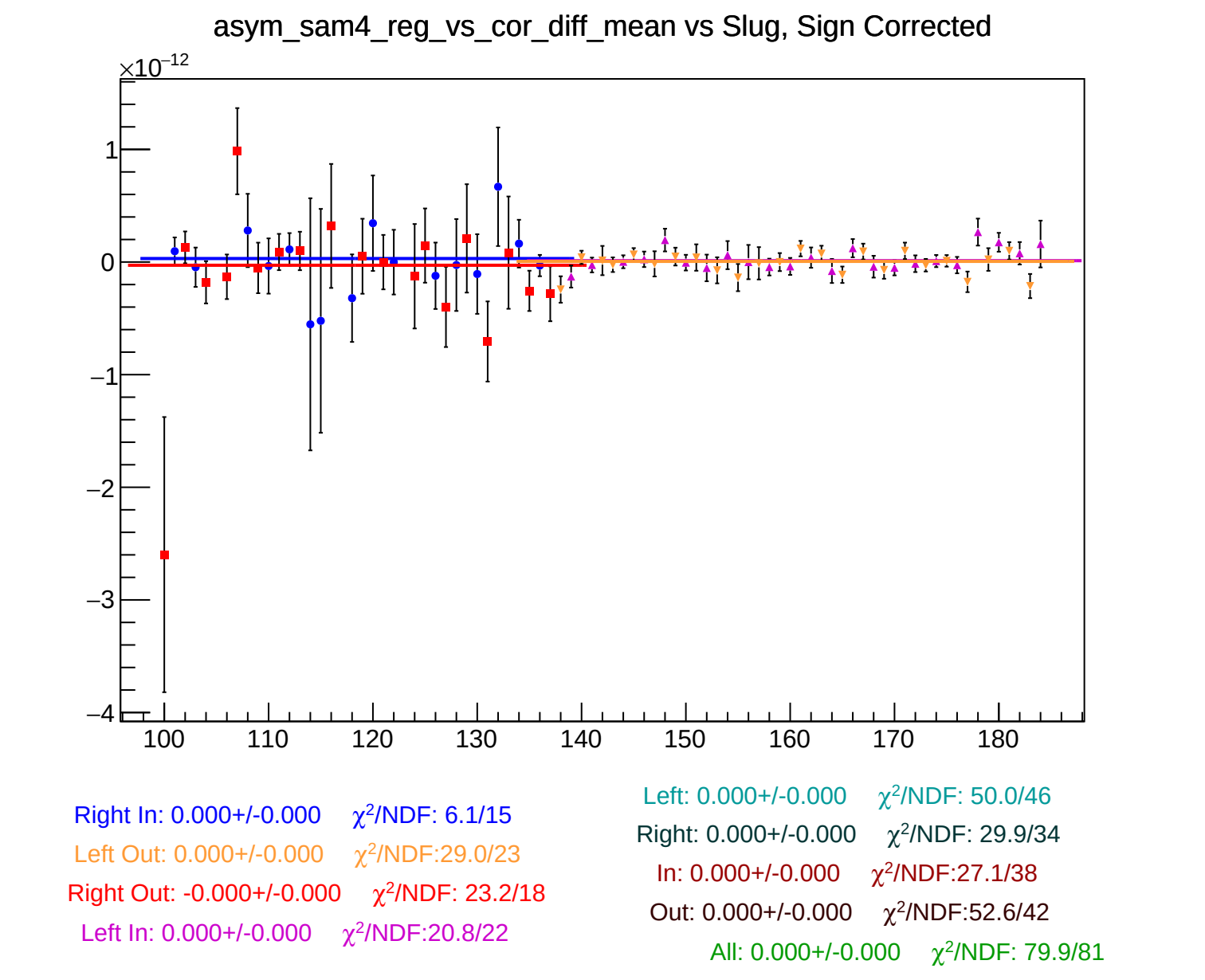
Left: 2025.060+/-0.237 χ^2/NDF: 1562835.1/46

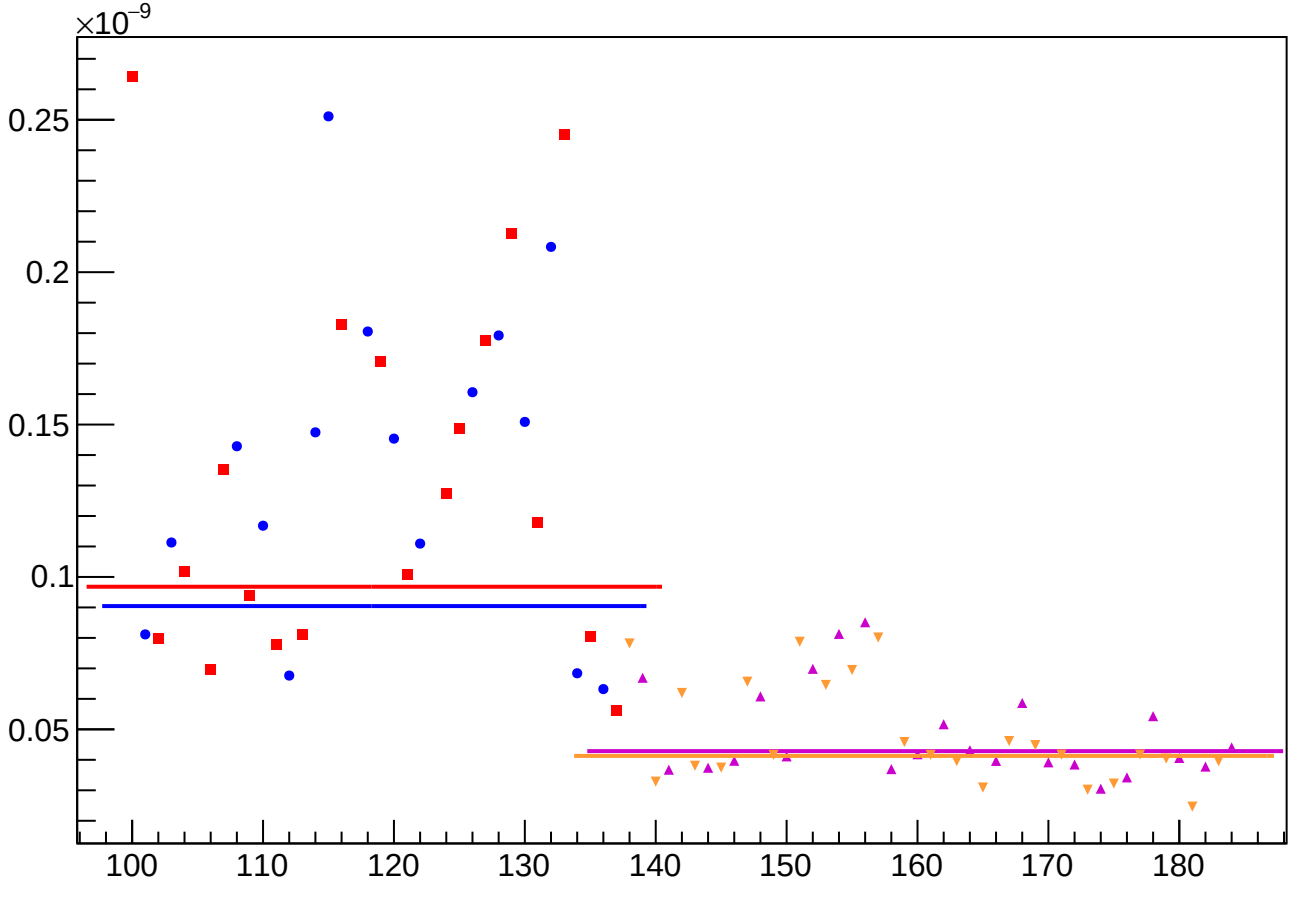
Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2113.196+/-0.302 χ^2/NDF:1932777.2/38

Out: 2098.960+/-0.295 χ^2/NDF:2129494.2/42

All: 2105.897+/-0.211 χ^2/NDF: 4063407.9/81


asym_sam4_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 6.1/15
Left Out: 0.000+/-0.000 χ²/NDF:29.0/23
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/18
Left In: 0.000+/-0.000 χ²/NDF:20.8/22
Left: 0.000+/-0.000 χ²/NDF: 50.0/46
Right: 0.000+/-0.000 χ²/NDF: 29.9/34
In: 0.000+/-0.000 χ²/NDF:27.1/38
Out: 0.000+/-0.000 χ²/NDF:52.6/42
All: 0.000+/-0.000 χ²/NDF: 79.9/81



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:931395.8/22

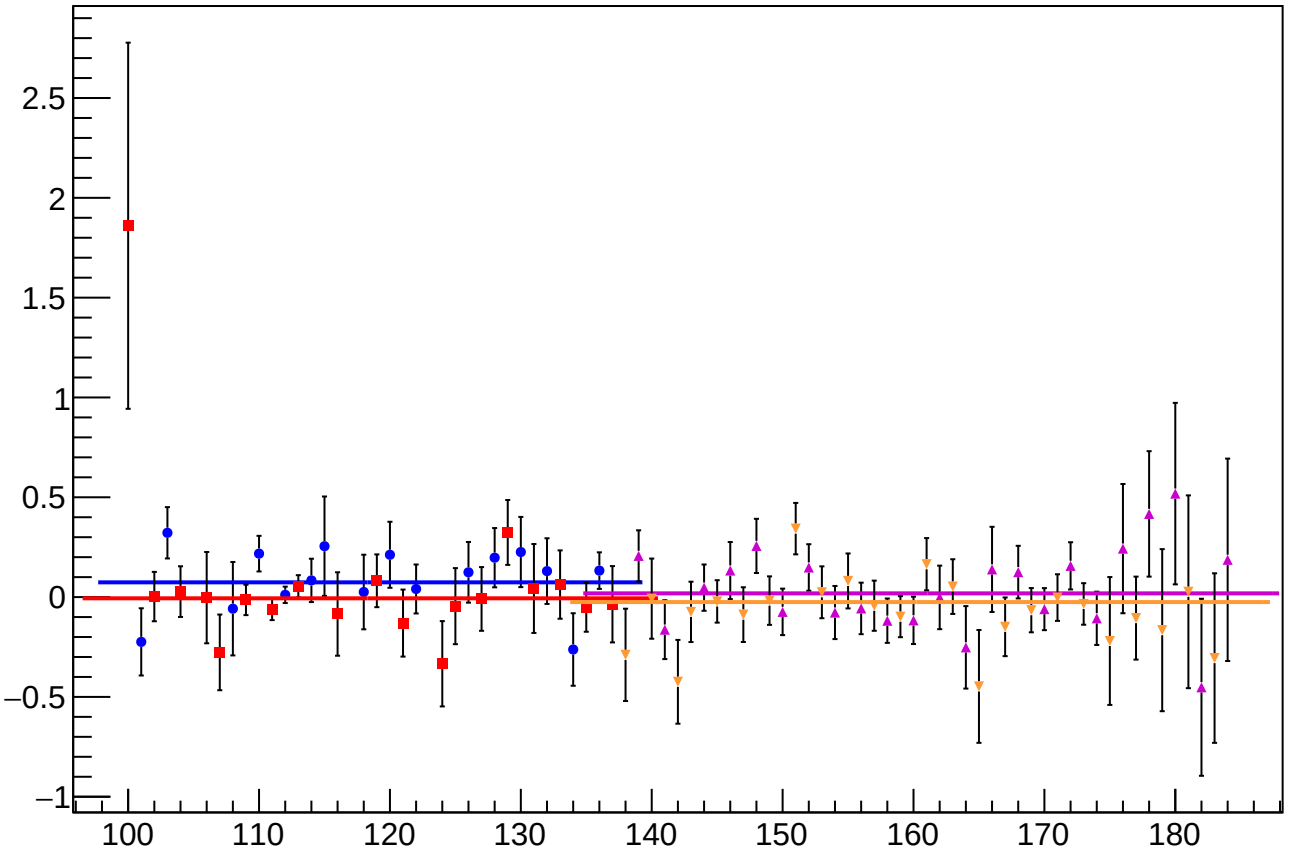
Left: 0.000+/-0.000 χ^2/NDF: 2175973.6/46

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:3340554.7/38

Out: 0.000+/-0.000 χ^2/NDF:3909570.3/42

All: 0.000+/-0.000 χ^2/NDF: 7265680.5/81



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: 0.019+/-0.030 χ^2/NDF:23.0/22

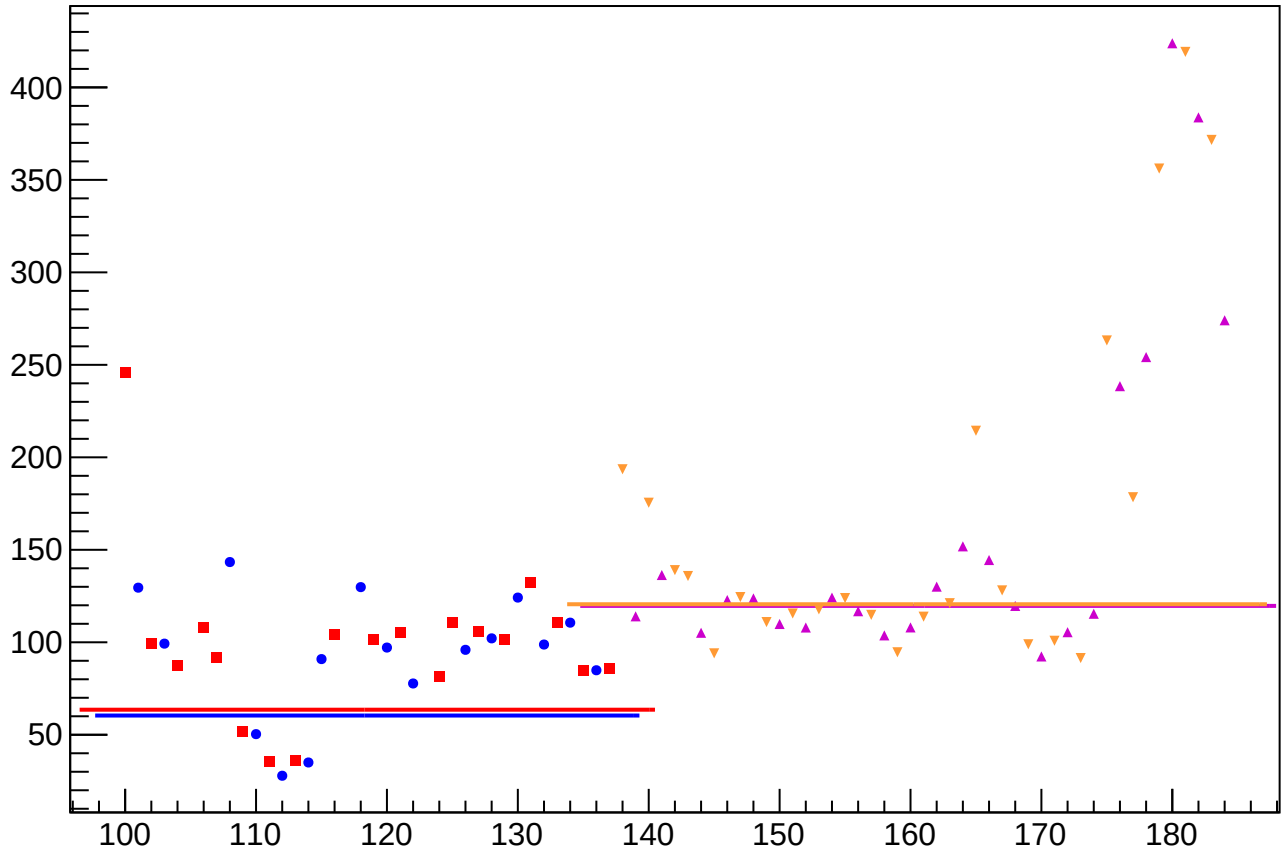
Left: -0.003+/-0.021 χ^2/NDF: 45.4/46

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:43.8/38

Out: -0.014+/-0.020 χ^2/NDF:37.9/42

All: 0.017+/-0.014 χ^2/NDF: 86.9/81



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: 119.679+/-0.021 χ^2/NDF:2838257.9/22

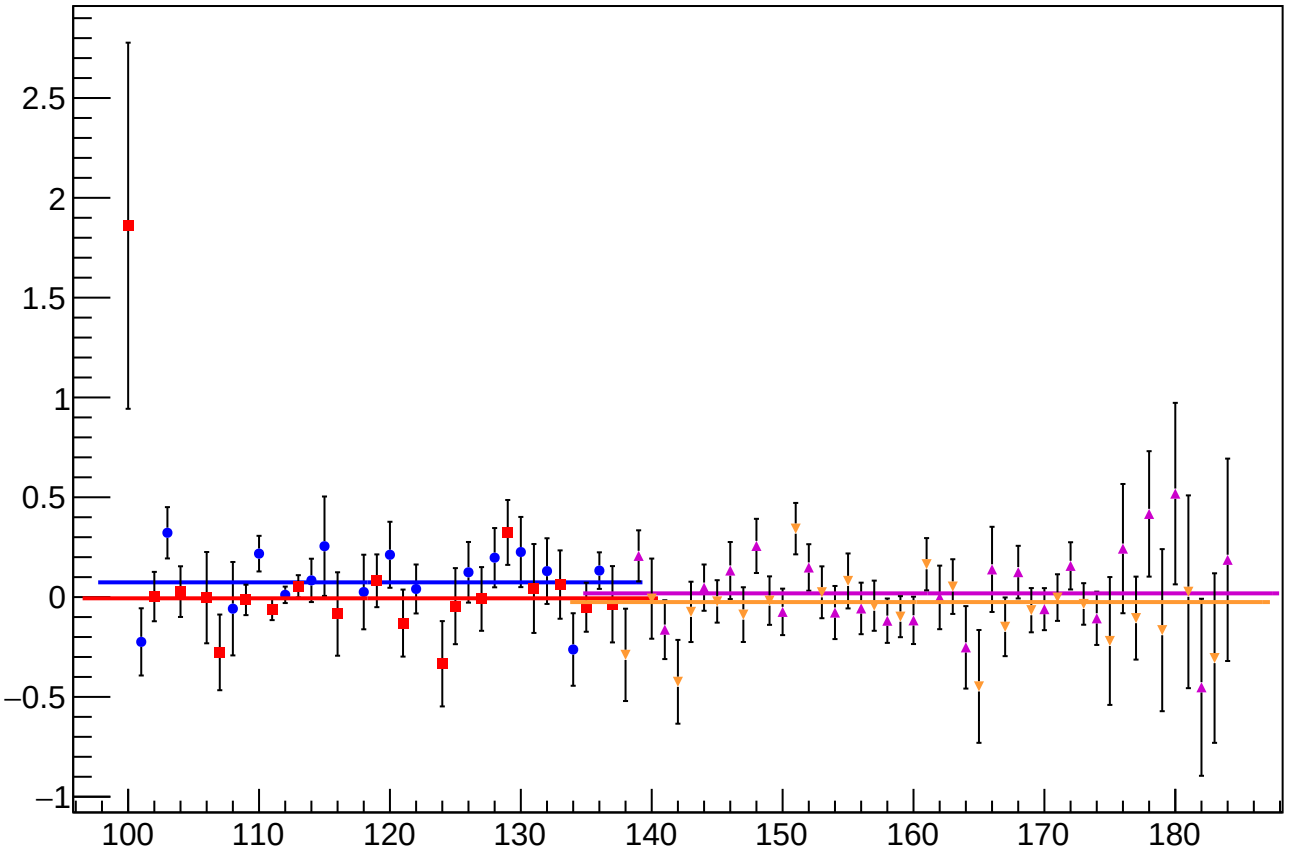
Left: 120.128+/-0.015 χ^2/NDF: 6709465.2/46

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 86.723+/-0.014 χ^2/NDF:10653236.3/38

Out: 88.956+/-0.014 χ^2/NDF:10548659.1/42

All: 87.848+/-0.010 χ^2/NDF: 21214285.9/81



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: 0.019+/-0.030 χ^2/NDF:23.0/22

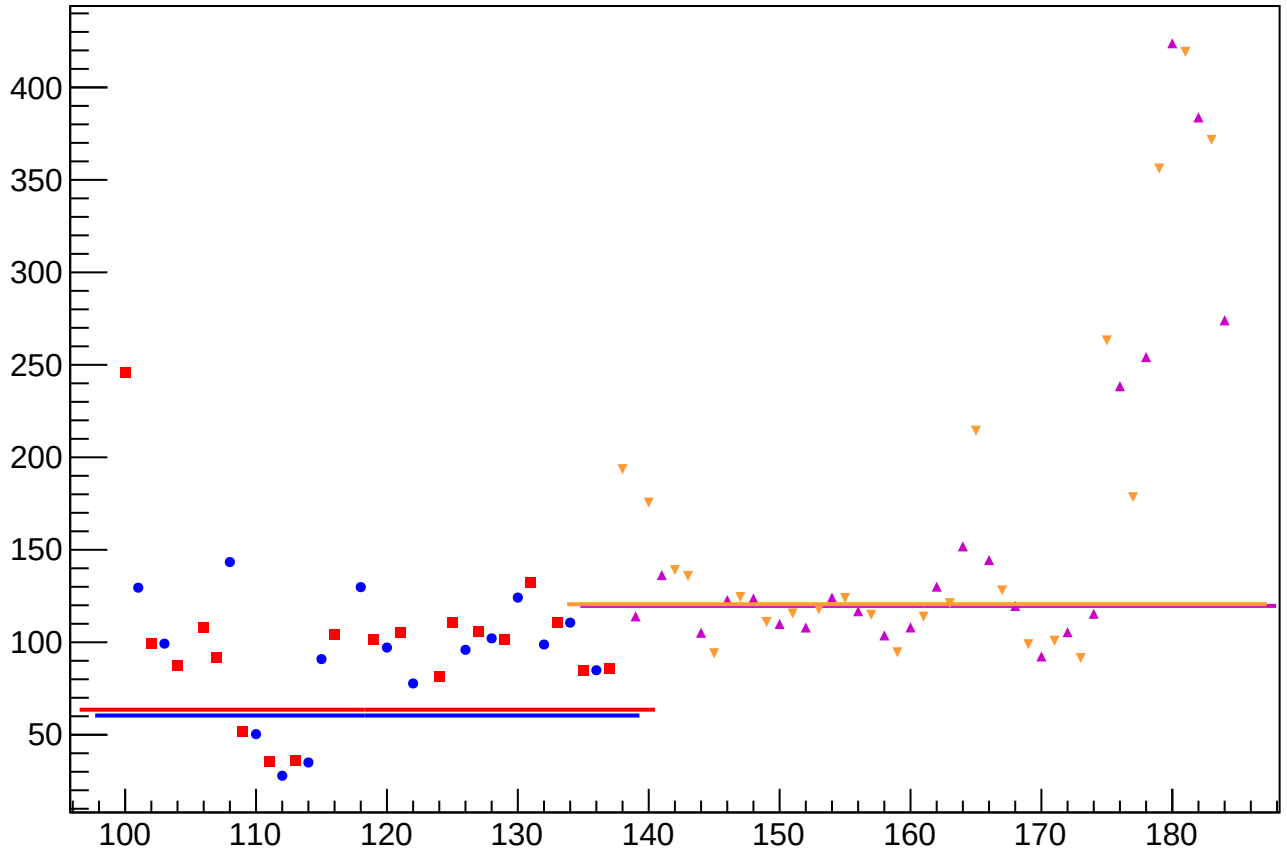
Left: -0.003+/-0.021 χ^2/NDF: 45.4/46

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:43.8/38

Out: -0.014+/-0.020 χ^2/NDF:37.9/42

All: 0.017+/-0.014 χ^2/NDF: 86.9/81



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: 119.679+/-0.021 χ^2/NDF:2838257.9/22

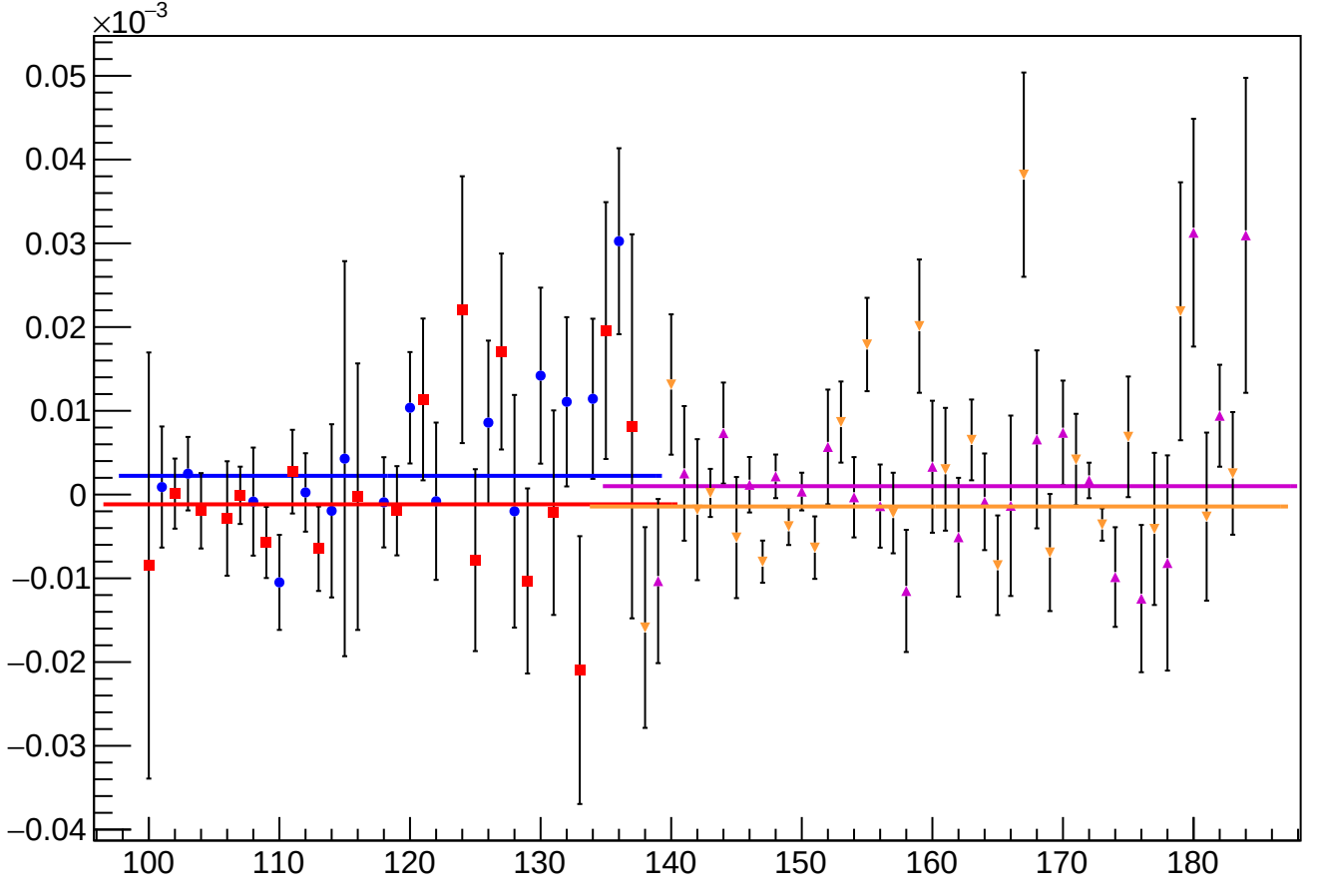
Left: 120.128+/-0.015 χ^2/NDF: 6709465.2/46

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 86.723+/-0.014 χ^2/NDF:10653236.3/38

Out: 88.956+/-0.014 χ^2/NDF:10548659.1/42

All: 87.848+/-0.010 χ^2/NDF: 21214285.9/81



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:24.5/22

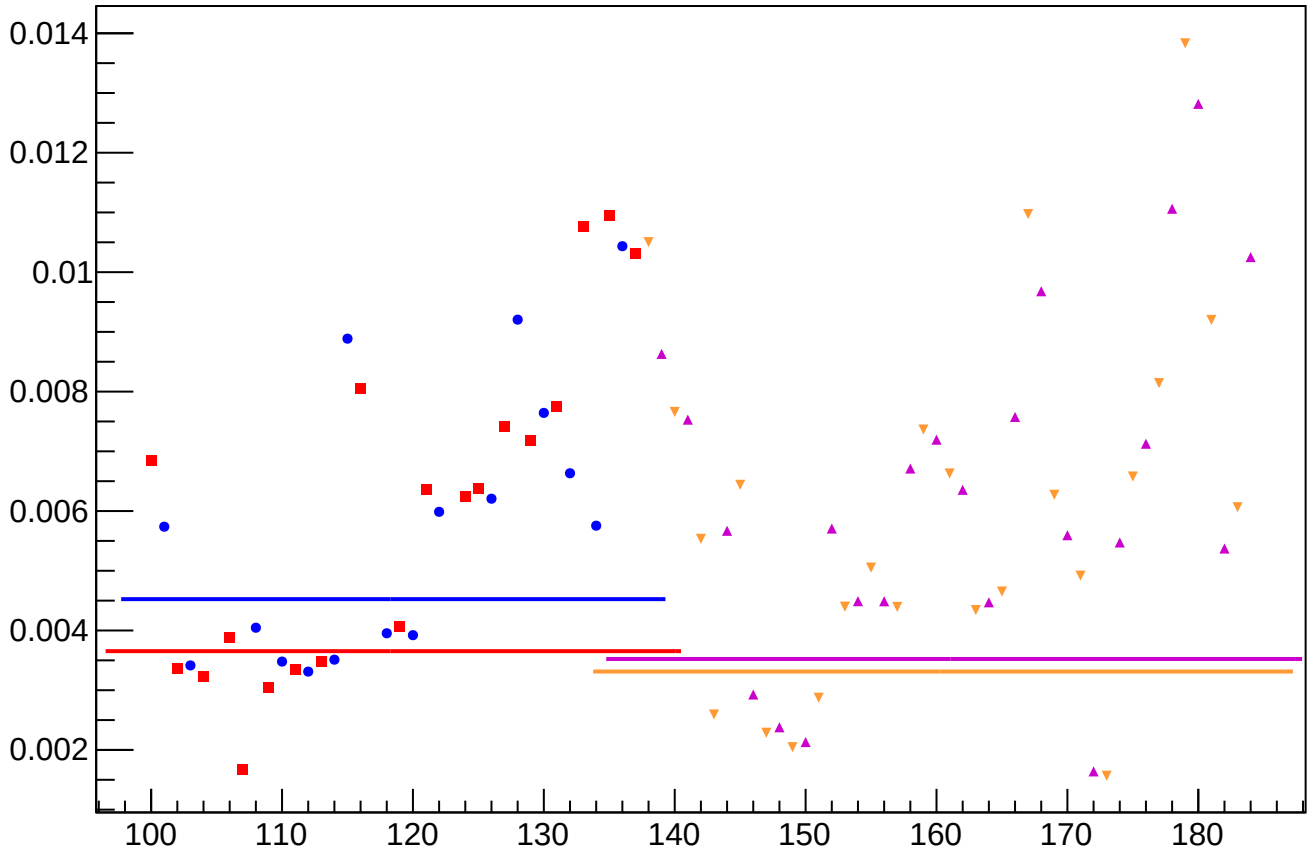
Left: -0.000+/-0.000 χ^2/NDF: 88.2/46

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:42.3/38

Out: -0.000+/-0.000 χ^2/NDF:74.6/42

All: -0.000+/-0.000 χ^2/NDF: 122.0/81



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:9426441.5/22

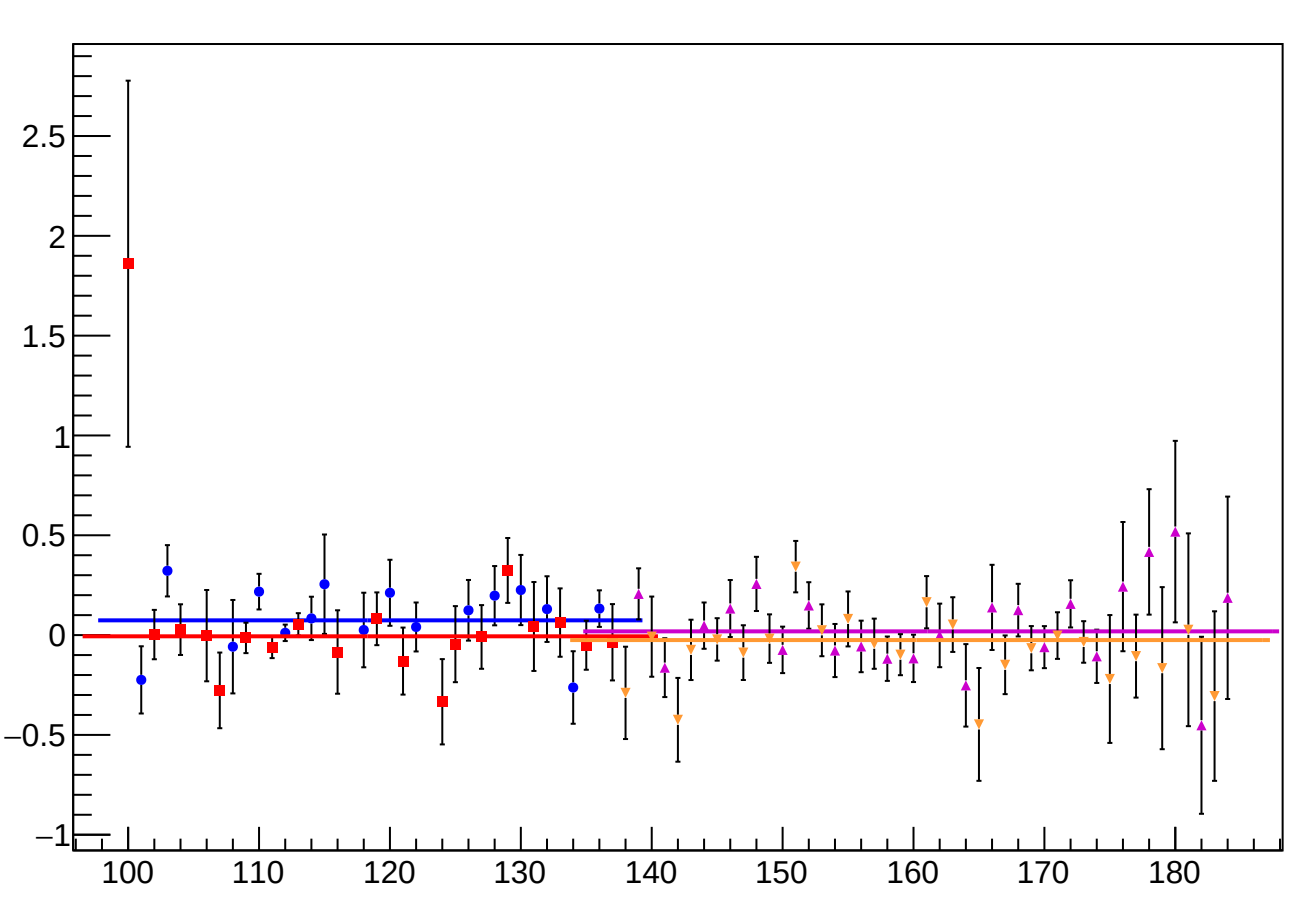
Left: 0.003+/-0.000 χ^2/NDF: 19723505.9/46

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:11619831.8/38

Out: 0.003+/-0.000 χ^2/NDF:13256929.6/42

All: 0.004+/-0.000 χ^2/NDF: 25056455.6/81



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: 0.019+/-0.030 χ^2/NDF:23.0/22

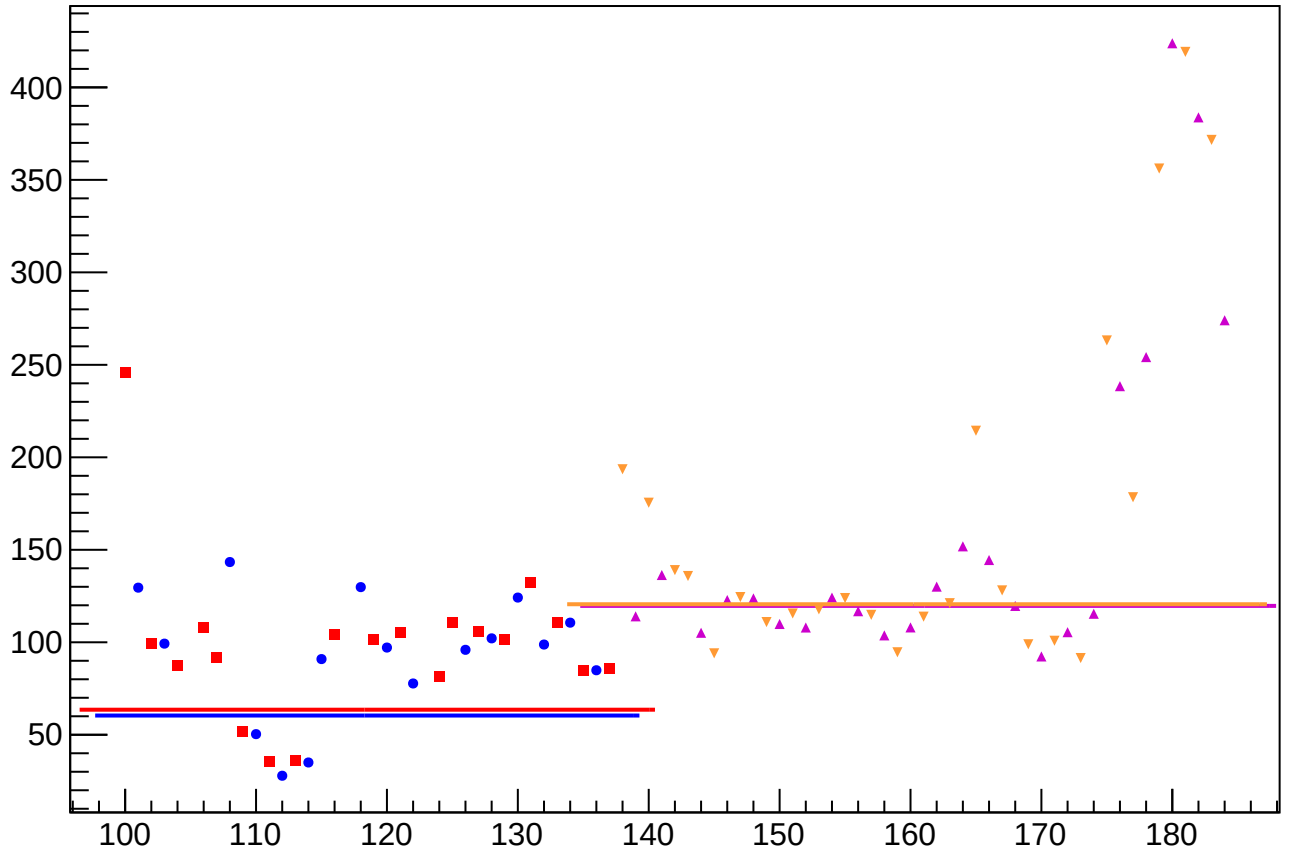
Left: -0.003+/-0.021 χ^2/NDF: 45.4/46

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:43.9/38

Out: -0.014+/-0.020 χ^2/NDF:37.9/42

All: 0.017+/-0.014 χ^2/NDF: 86.9/81



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: 119.680+/-0.021 χ^2/NDF:2838196.2/22

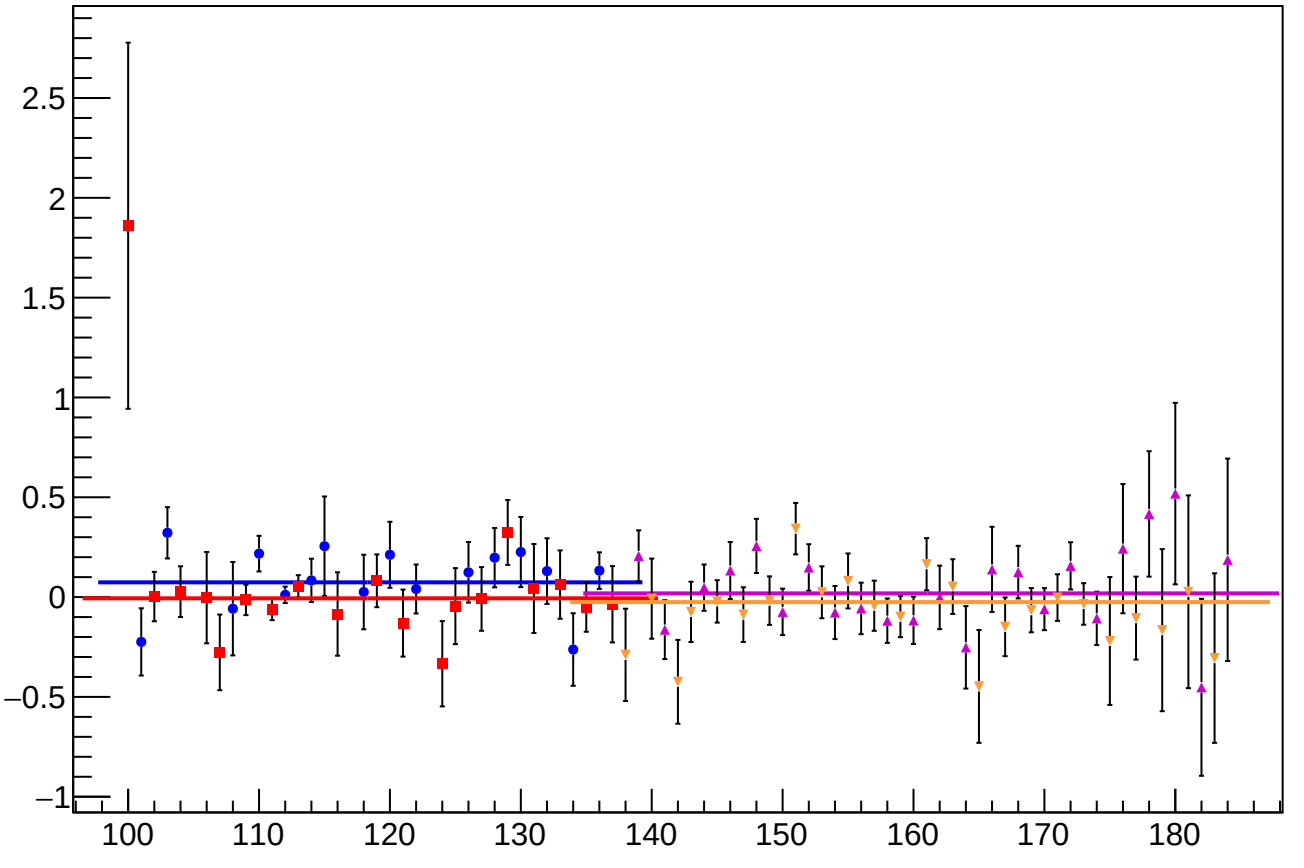
Left: 120.128+/-0.015 χ^2/NDF: 6709352.2/46

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 86.721+/-0.014 χ^2/NDF:10653918.7/38

Out: 88.954+/-0.014 χ^2/NDF:10549300.2/42

All: 87.847+/-0.010 χ^2/NDF: 21215613.2/81



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: 0.019+/-0.030 χ^2/NDF:23.0/22

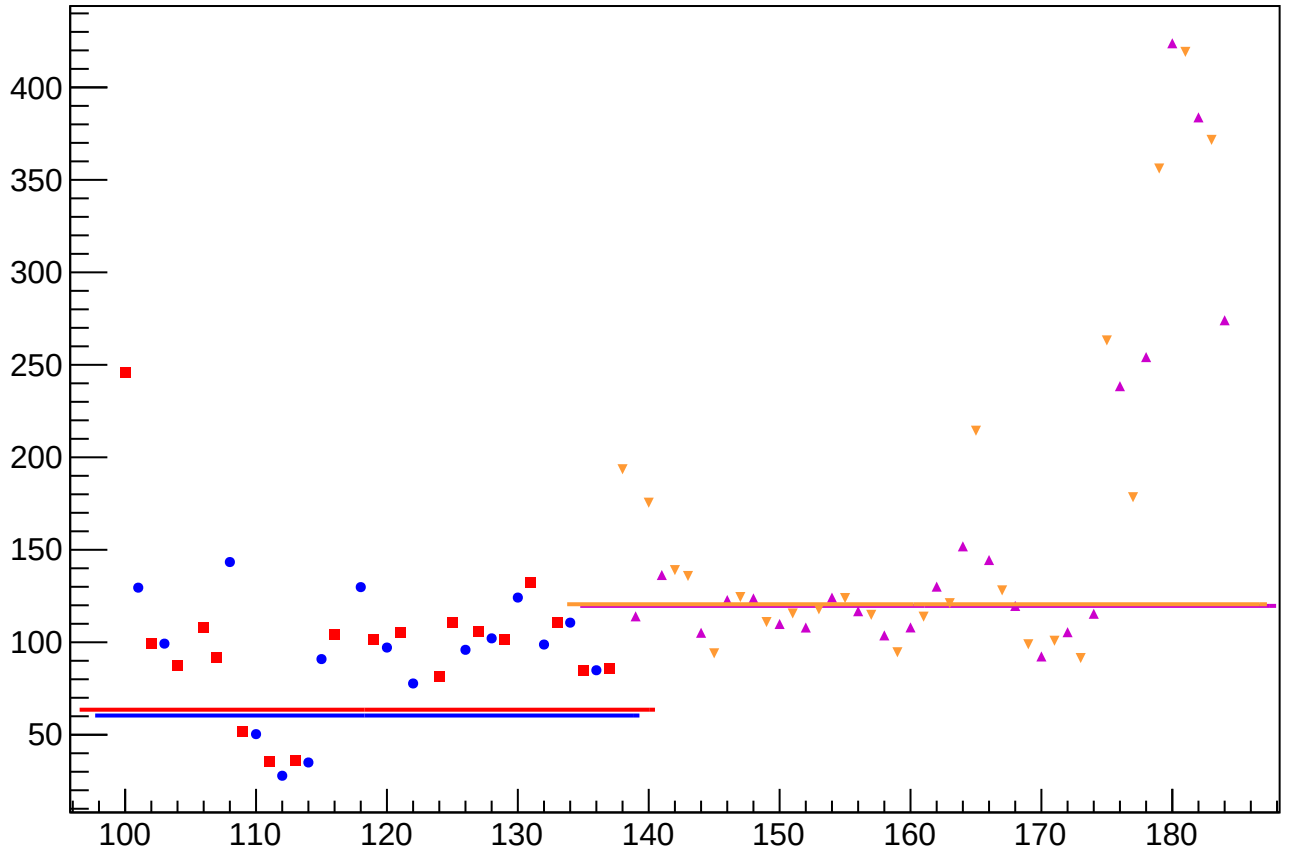
Left: -0.003+/-0.021 χ^2/NDF: 45.4/46

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:43.9/38

Out: -0.014+/-0.020 χ^2/NDF:37.9/42

All: 0.017+/-0.014 χ^2/NDF: 86.9/81



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: 119.680+/-0.021 χ^2/NDF:2838196.2/22

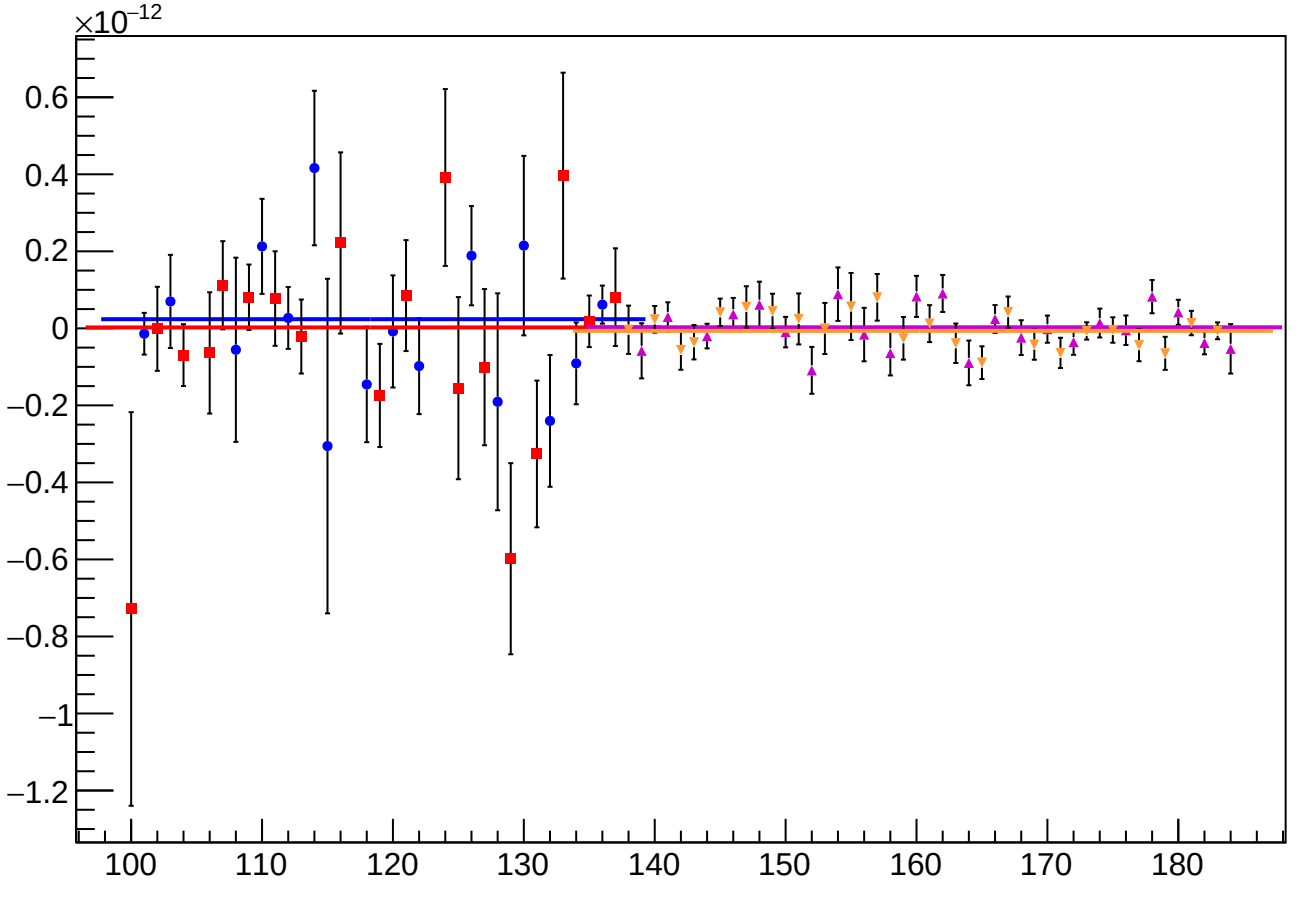
Left: 120.128+/-0.015 χ^2/NDF: 6709352.2/46

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 86.721+/-0.014 χ^2/NDF:10653918.7/38

Out: 88.954+/-0.014 χ^2/NDF:10549300.2/42

All: 87.847+/-0.010 χ^2/NDF: 21215613.2/81



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:27.6/22

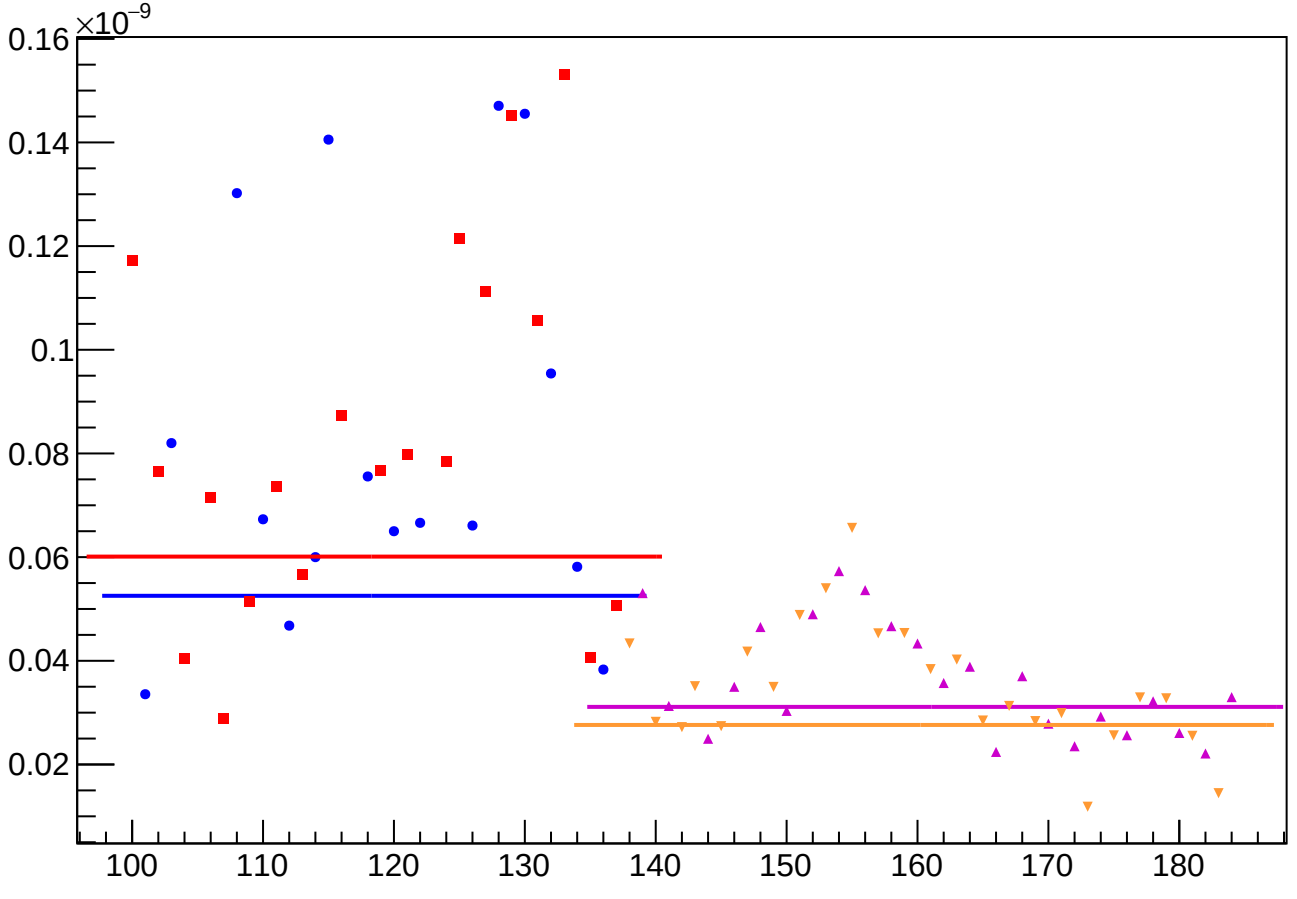
Left: -0.000+/-0.000 χ^2/NDF: 49.4/46

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:45.0/38

Out: -0.000+/-0.000 χ^2/NDF:44.5/42

All: -0.000+/-0.000 χ^2/NDF: 90.4/81



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:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5793565.3/46

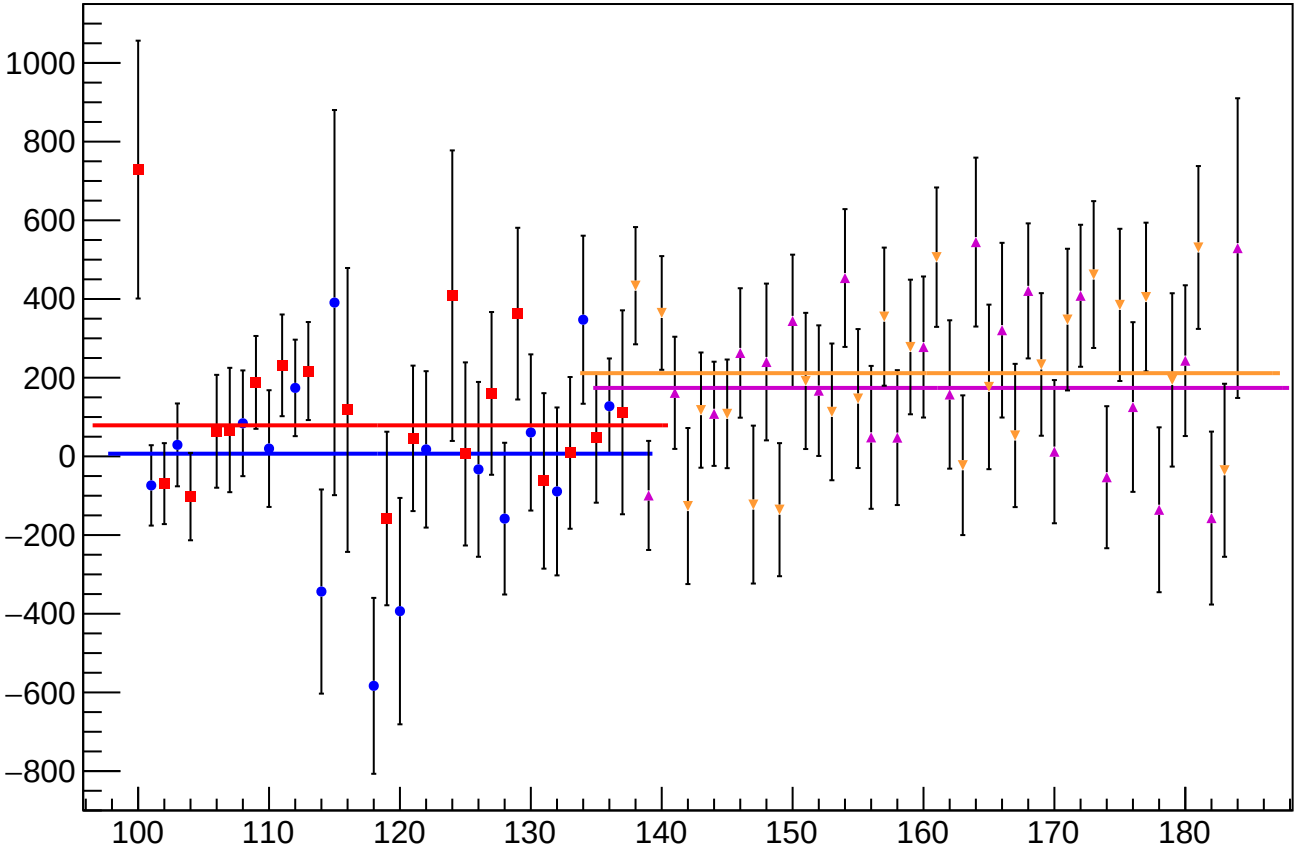
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:4786957.0/38

Out: 0.000+/-0.000 χ^2/NDF:7572956.3/42

All: 0.000+/-0.000 χ^2/NDF: 12526751.3/81

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: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 193.418+/-25.967 χ^2/NDF: 53.7/46

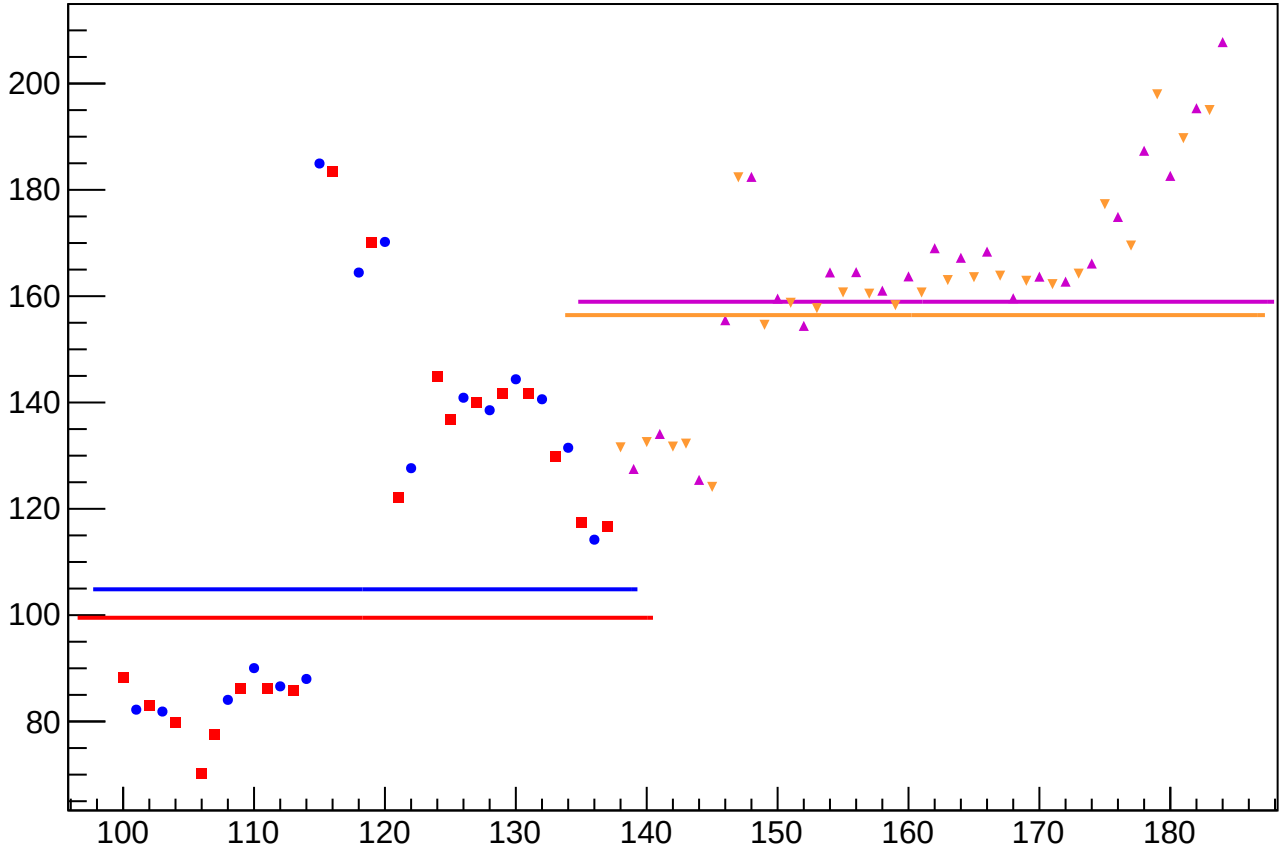
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 96.720+/-27.432 χ^2/NDF:52.5/38

Out: 148.472+/-26.133 χ^2/NDF:51.8/42

All: 123.851+/-18.921 χ^2/NDF: 106.2/81

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: 158.952+/-0.026 χ^2/NDF:511321.2/22

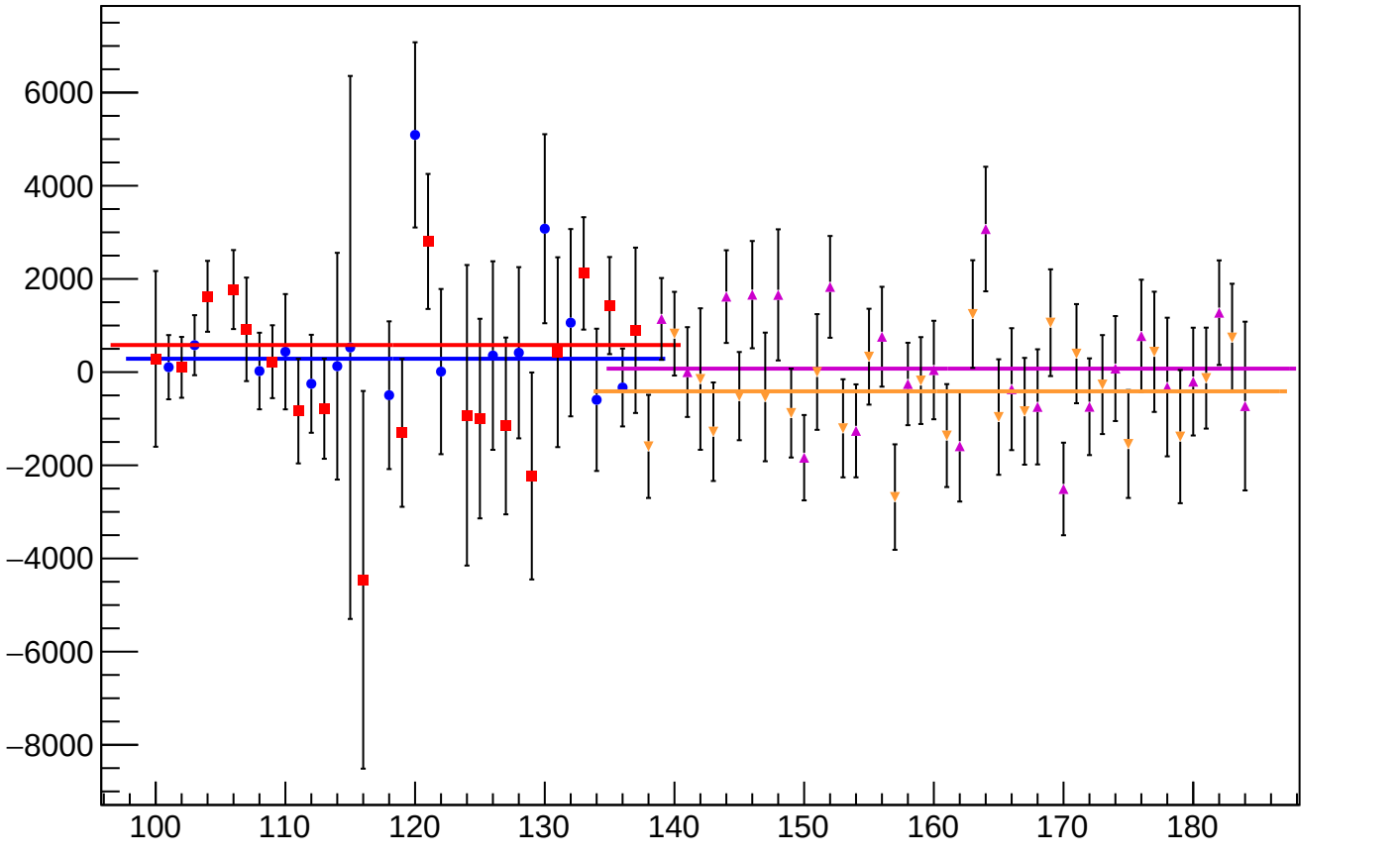
Left: 157.650+/-0.018 χ^2/NDF: 1092893.8/46

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 133.953+/-0.019 χ^2/NDF:3375443.9/38

Out: 129.381+/-0.018 χ^2/NDF:3983236.9/42

All: 131.556+/-0.013 χ^2/NDF: 7387810.7/81



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: 74.440+/-229.788 χ^2/NDF:33.1/22

Left: -172.474+/-161.303 χ^2/NDF: 52.9/46

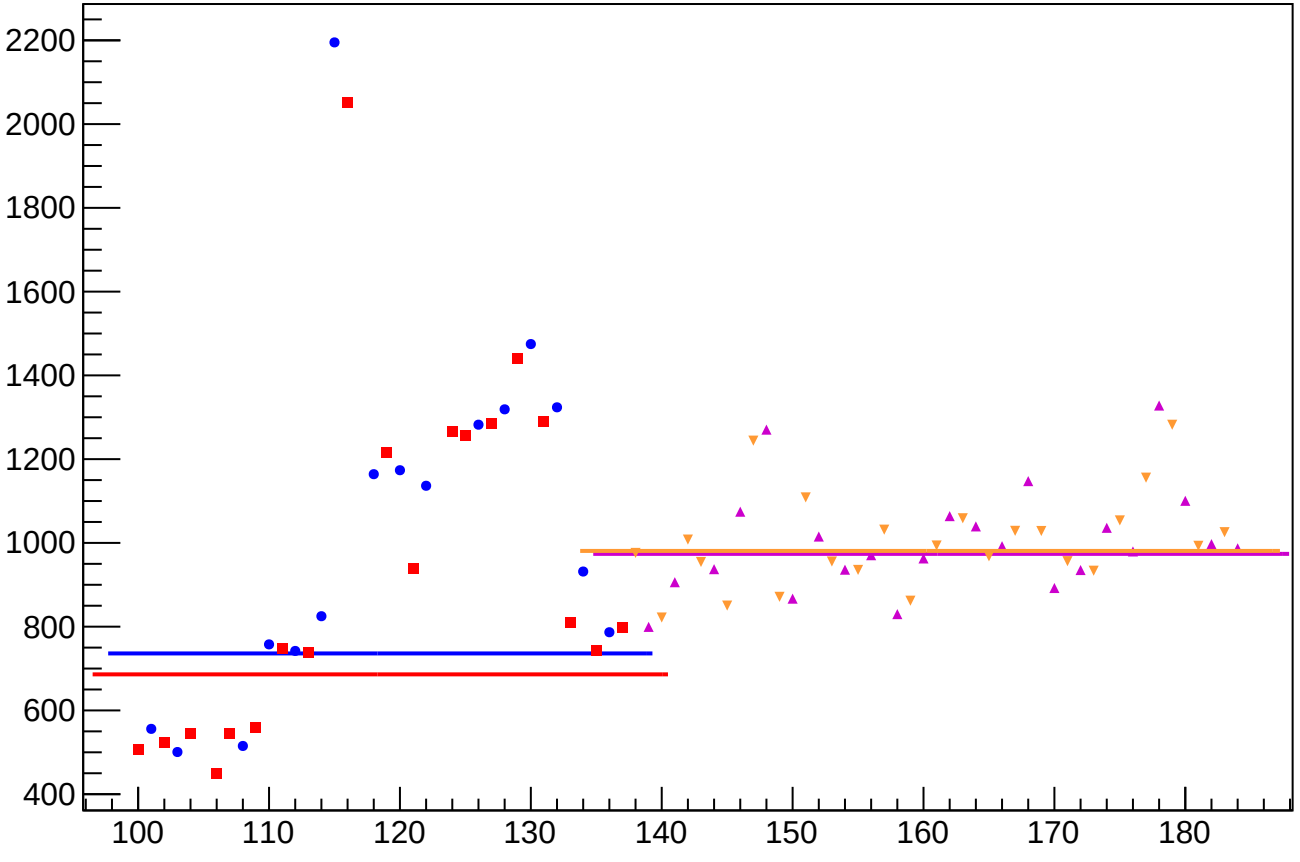
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 155.195+/-180.925 χ^2/NDF:43.1/38

Out: -1.582+/-173.459 χ^2/NDF:44.3/42

All: 73.505+/-125.210 χ^2/NDF: 87.8/81

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: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 977.387+/-0.114 χ^2/NDF: 922363.4/46

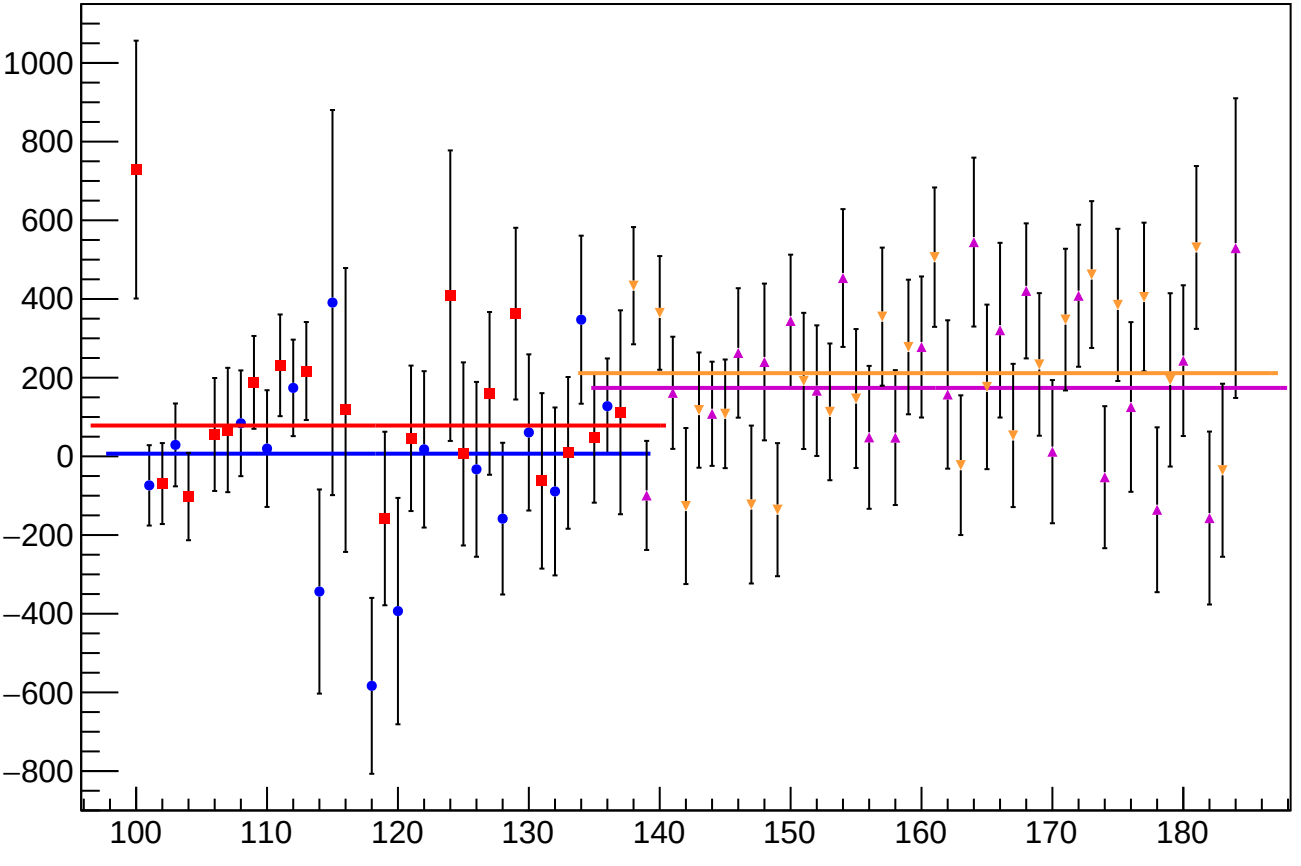
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 883.463+/-0.128 χ^2/NDF:3156722.1/38

Out: 859.001+/-0.123 χ^2/NDF:3642382.4/42

All: 870.717+/-0.089 χ^2/NDF: 6818153.8/81

cor_asym_sam5_mean vs Slug, Sign Corrected



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: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 193.422+/-25.967 χ^2/NDF: 53.7/46

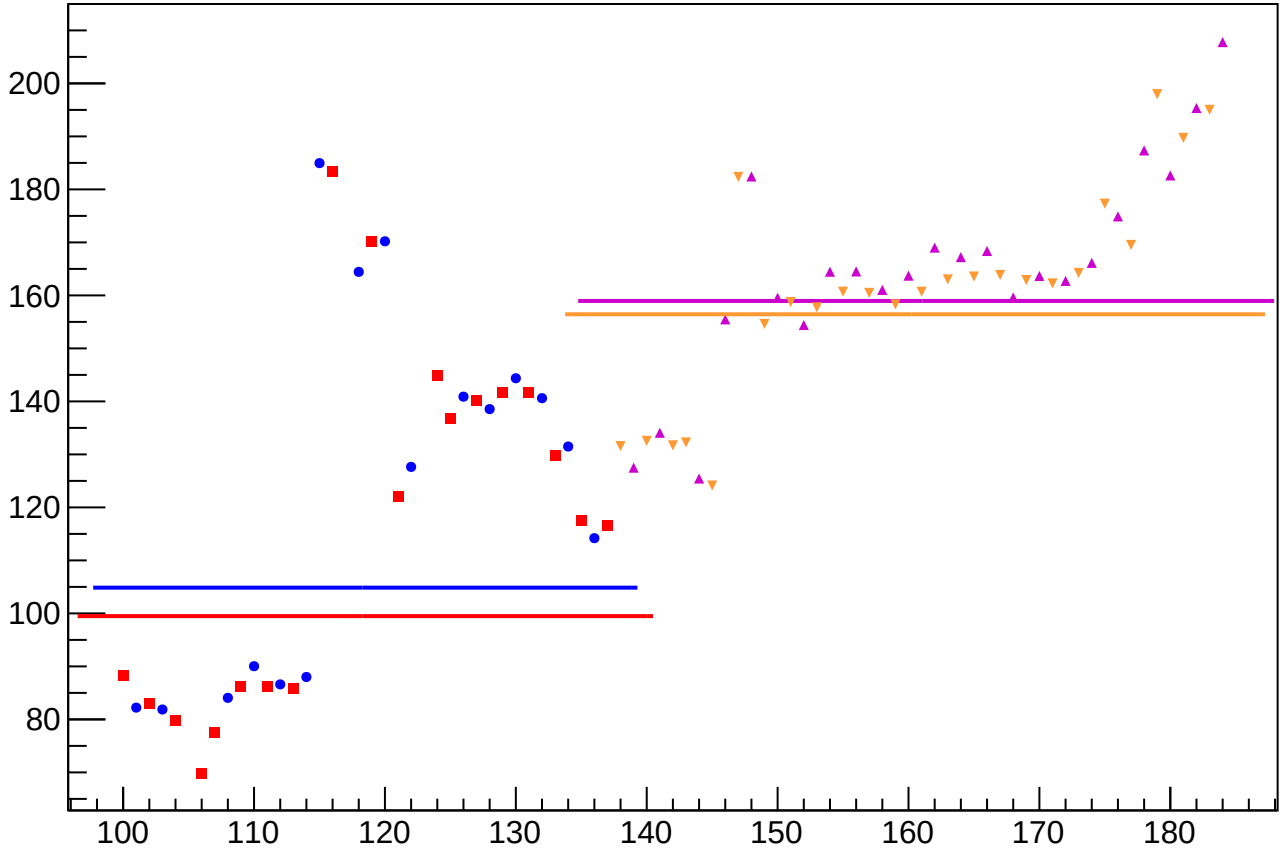
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 96.717+/-27.432 χ^2/NDF:52.5/38

Out: 148.224+/-26.133 χ^2/NDF:51.8/42

All: 123.719+/-18.922 χ^2/NDF: 106.2/81

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: 158.952+/-0.026 χ^2/NDF:511321.3/22

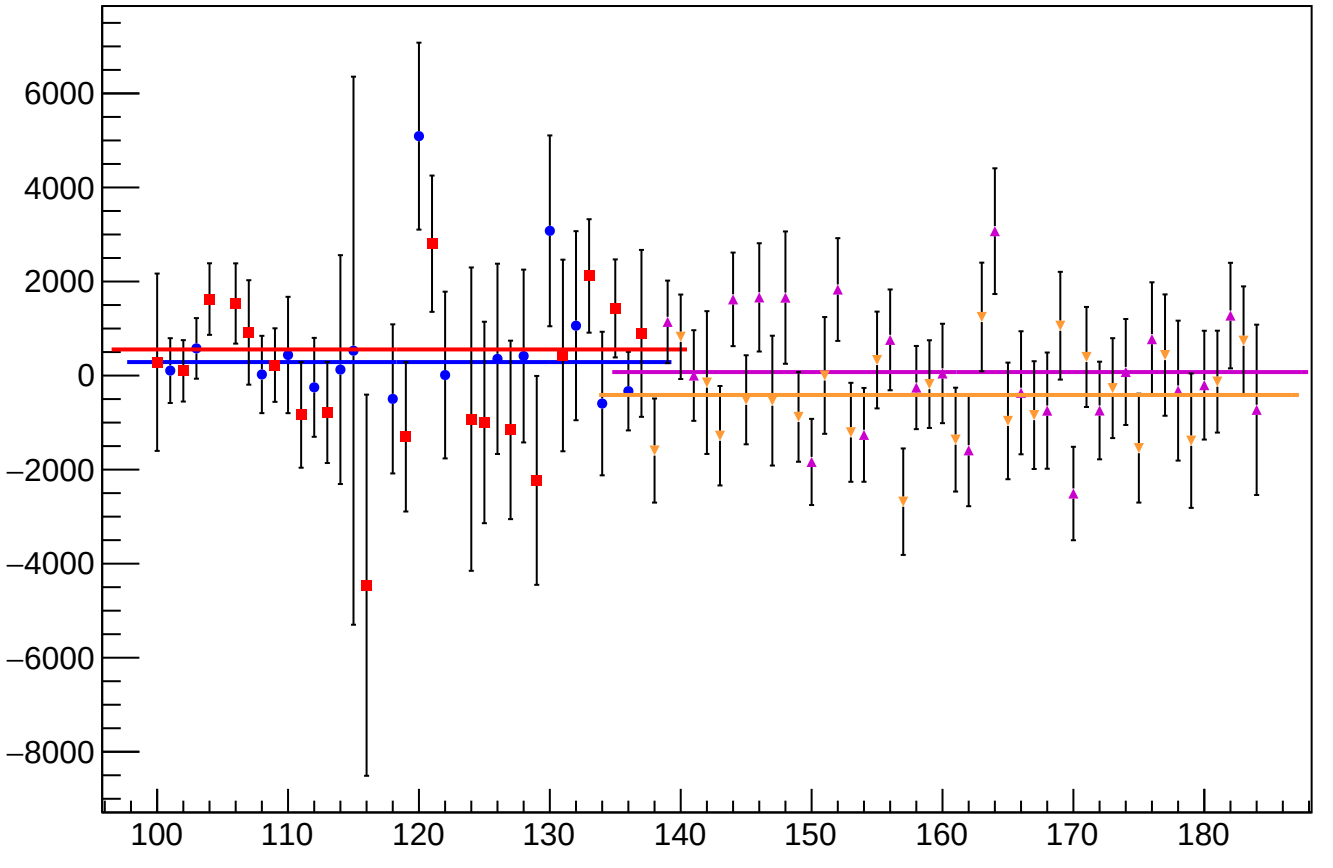
Left: 157.650+/-0.018 χ^2/NDF: 1092893.9/46

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 133.953+/-0.019 χ^2/NDF:3375441.9/38

Out: 129.372+/-0.018 χ^2/NDF:3987235.0/42

All: 131.551+/-0.013 χ^2/NDF: 7391925.2/81



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: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -172.470+/-161.303 χ^2/NDF: 52.9/46

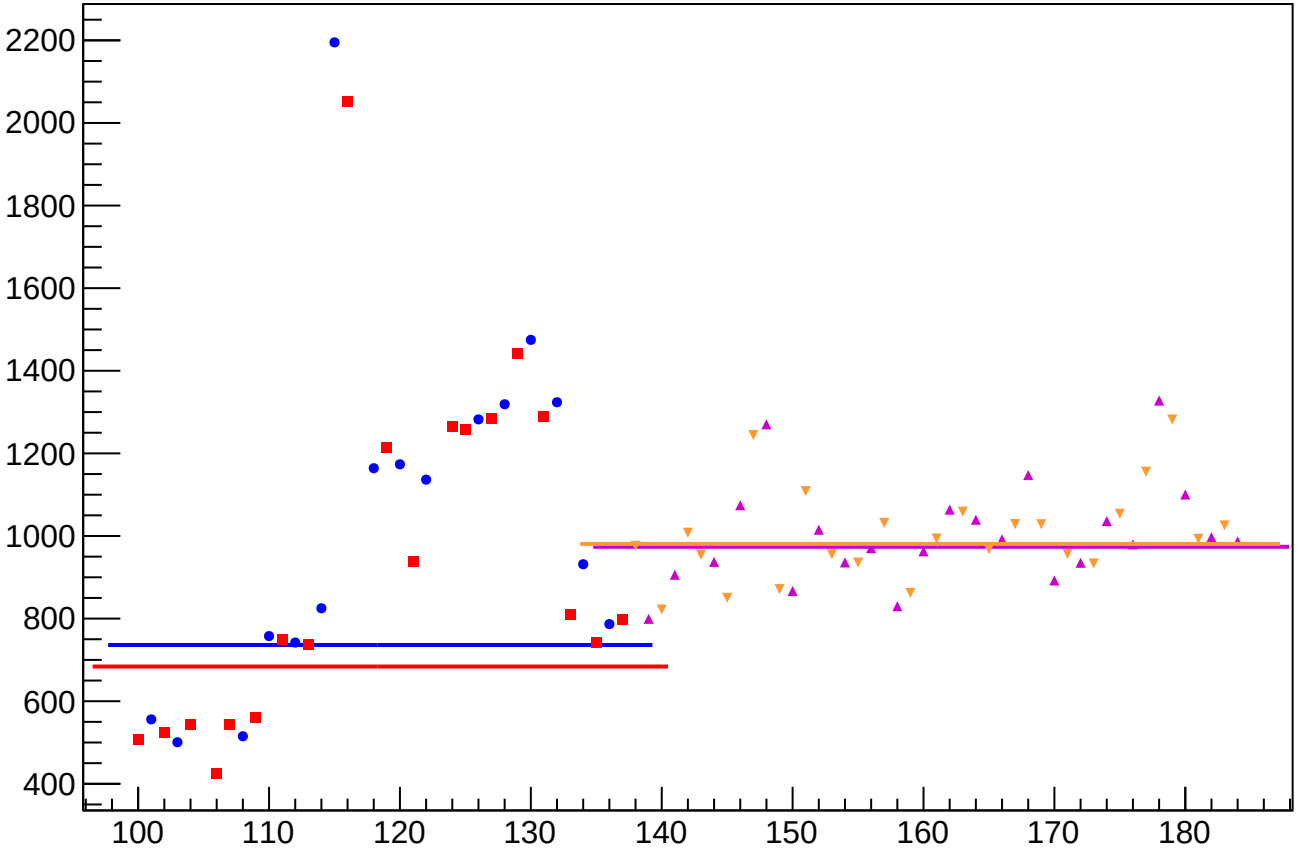
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 155.195+/-180.925 χ^2/NDF:43.1/38

Out: -12.544+/-173.506 χ^2/NDF:43.1/42

All: 67.816+/-125.228 χ^2/NDF: 86.7/81

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: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 977.388+/-0.114 χ^2/NDF: 922364.4/46

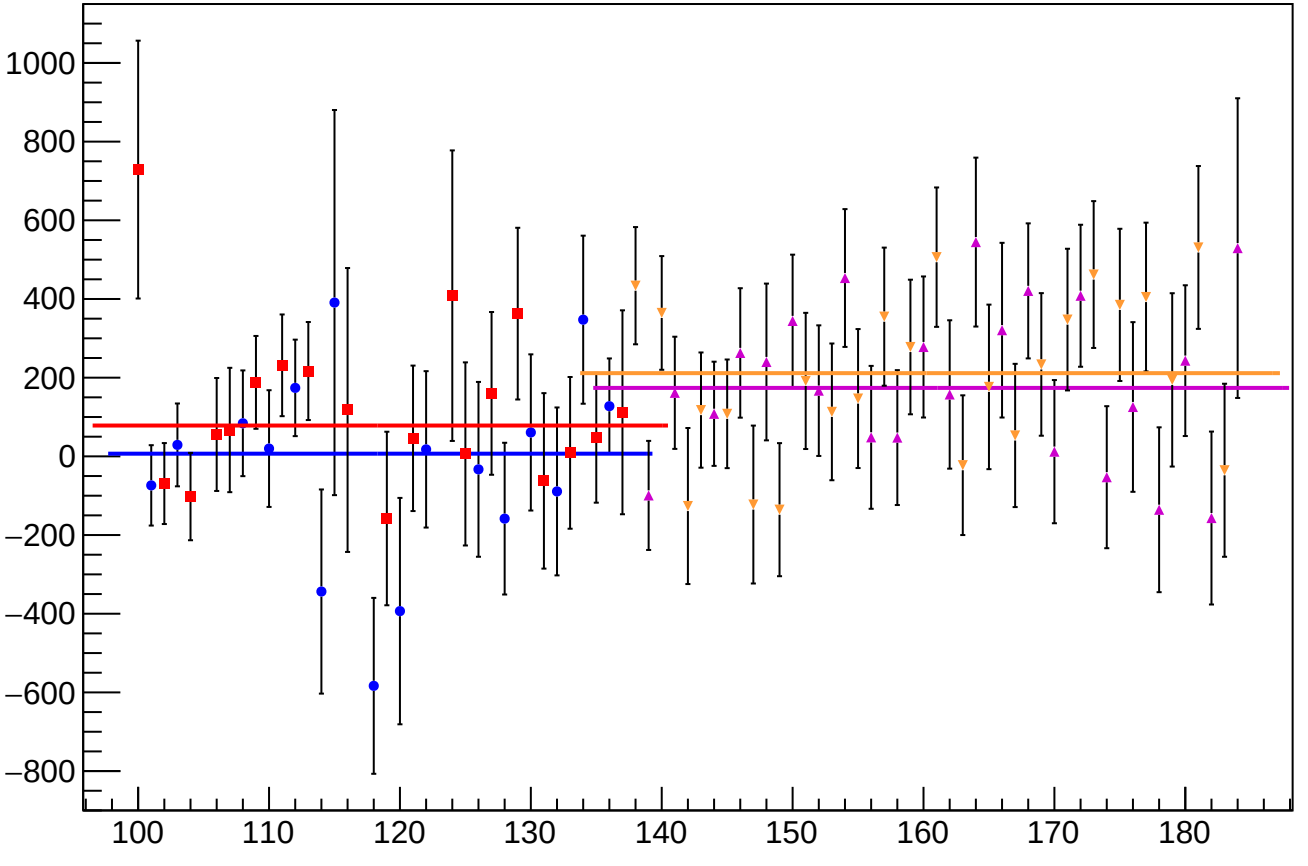
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 883.463+/-0.128 χ^2/NDF:3156730.8/38

Out: 858.217+/-0.123 χ^2/NDF:3692798.7/42

All: 870.312+/-0.089 χ^2/NDF: 6869814.2/81

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



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: 173.978+/-37.405 χ^2/NDF:24.5/22

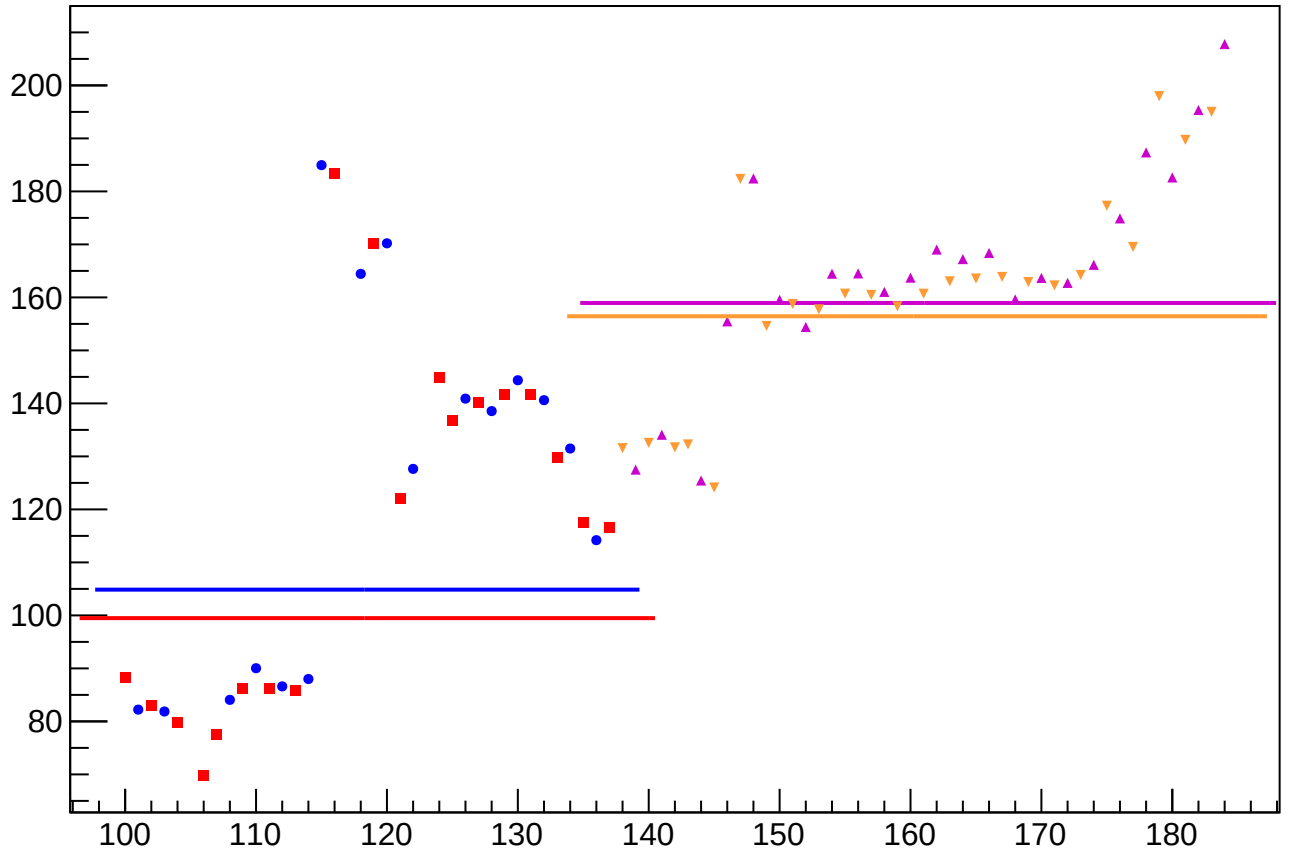
Left: 193.422+/-25.967 χ^2/NDF: 53.7/46

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 96.717+/-27.432 χ^2/NDF:52.5/38

Out: 148.224+/-26.133 χ^2/NDF:51.8/42

All: 123.719+/-18.922 χ^2/NDF: 106.2/81



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: 158.952+/-0.026 χ^2/NDF:511321.3/22

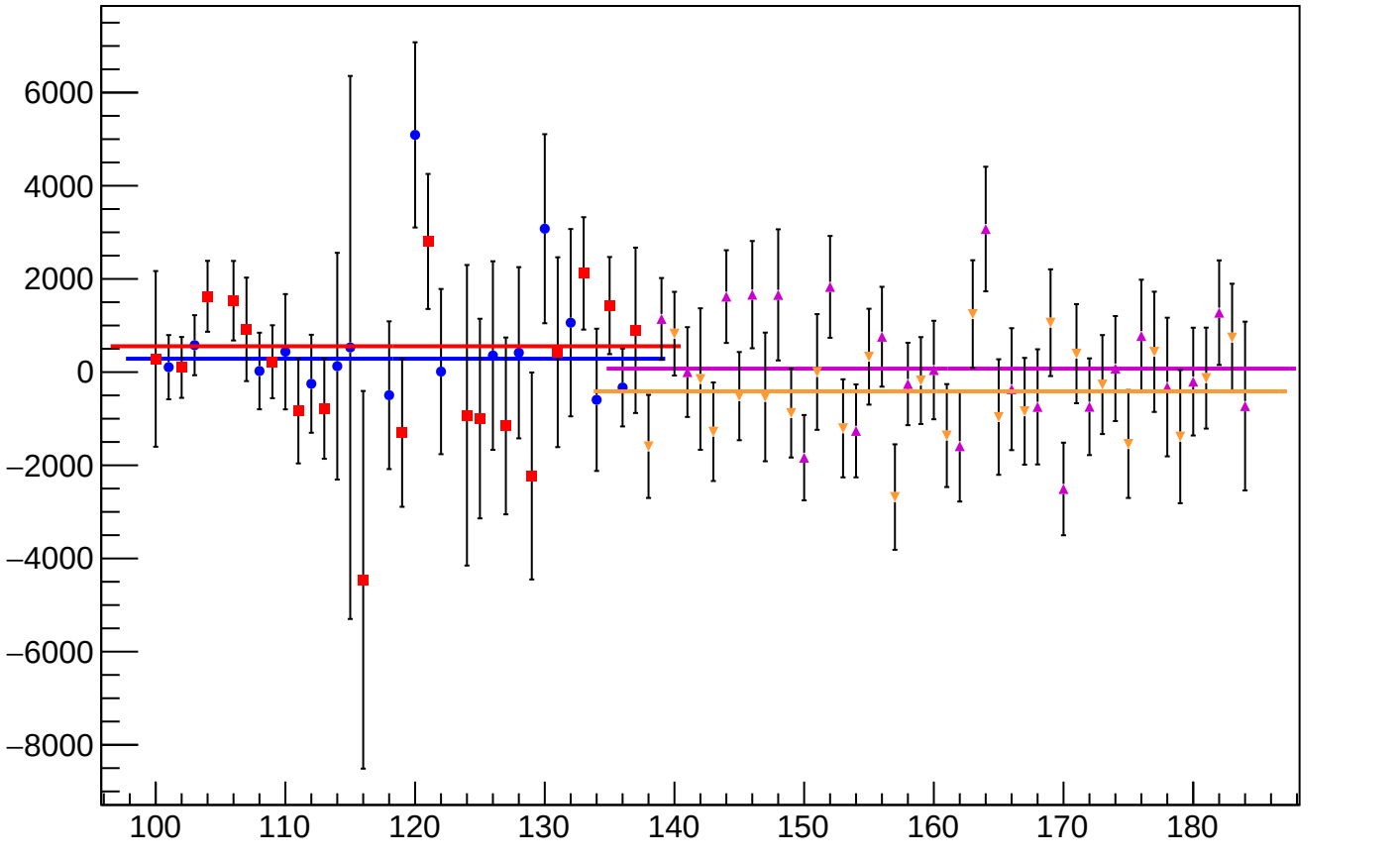
Left: 157.650+/-0.018 χ^2/NDF: 1092893.9/46

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 133.953+/-0.019 χ^2/NDF:3375441.9/38

Out: 129.372+/-0.018 χ^2/NDF:3987235.0/42

All: 131.551+/-0.013 χ^2/NDF: 7391925.2/81



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: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -172.470+/-161.303 χ^2/NDF: 52.9/46

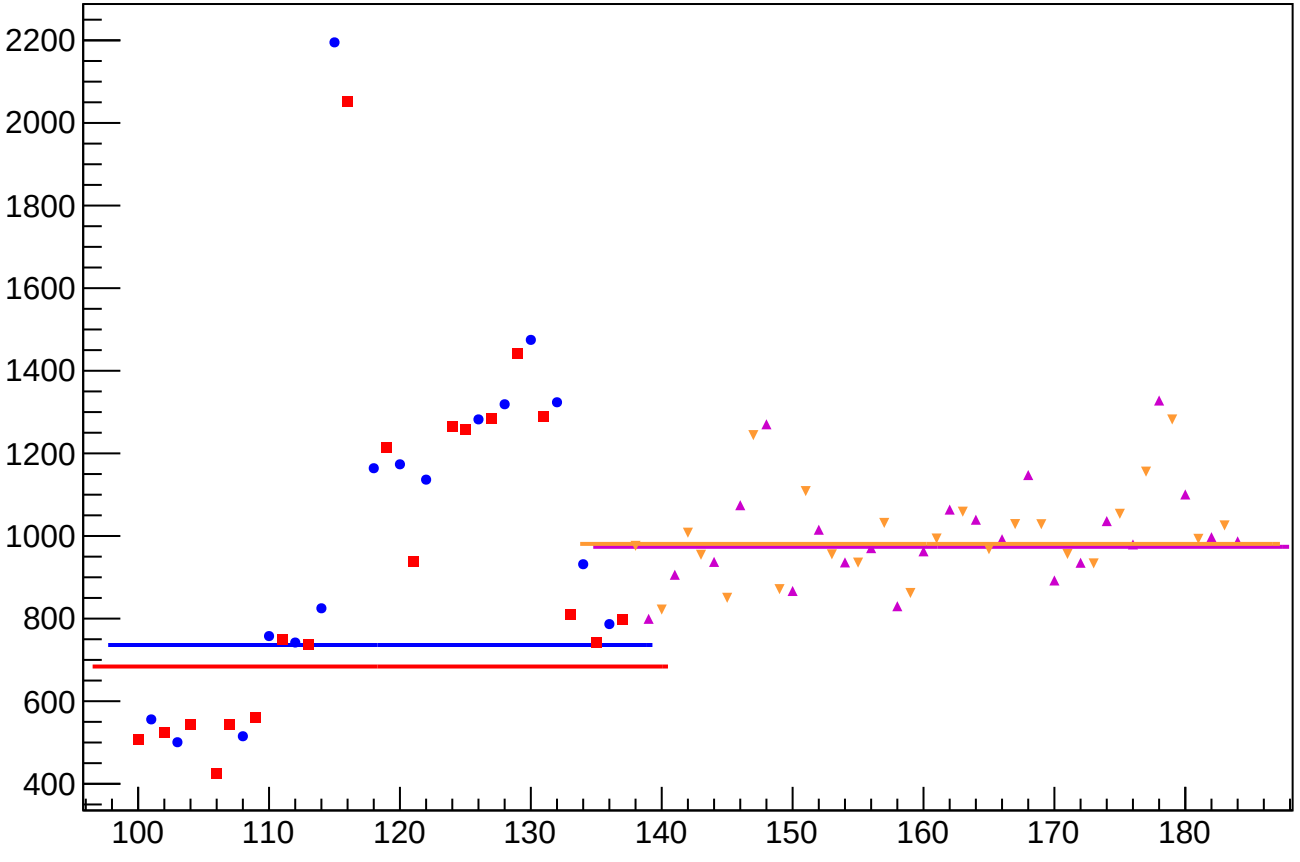
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 155.195+/-180.925 χ^2/NDF:43.1/38

Out: -12.544+/-173.506 χ^2/NDF:43.1/42

All: 67.816+/-125.228 χ^2/NDF: 86.7/81

asym_sam5_eigen_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: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 977.388+/-0.114 χ^2/NDF: 922364.4/46

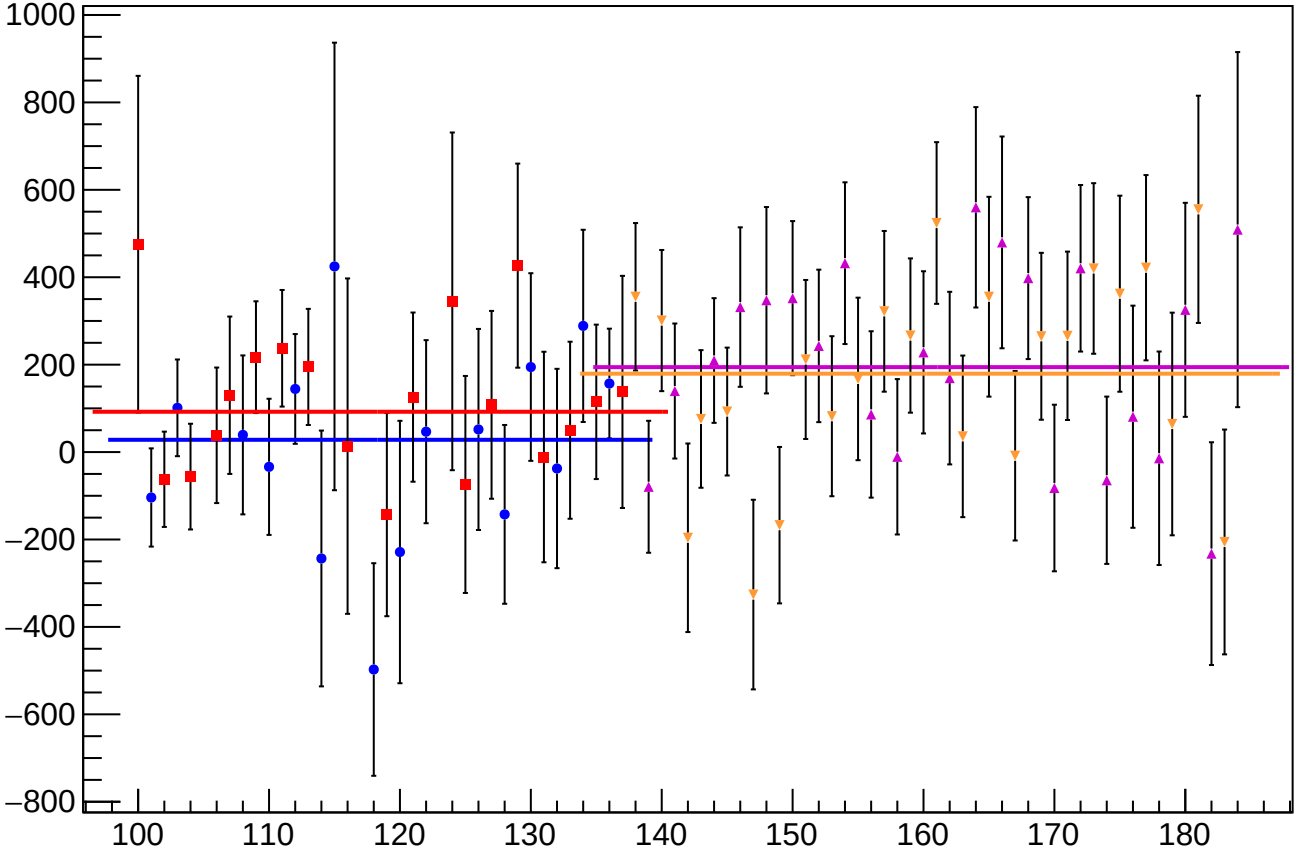
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 883.463+/-0.128 χ^2/NDF:3156730.8/38

Out: 858.217+/-0.123 χ^2/NDF:3692798.7/42

All: 870.312+/-0.089 χ^2/NDF: 6869814.2/81

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: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 186.578+/-28.052 χ^2/NDF: 53.8/46

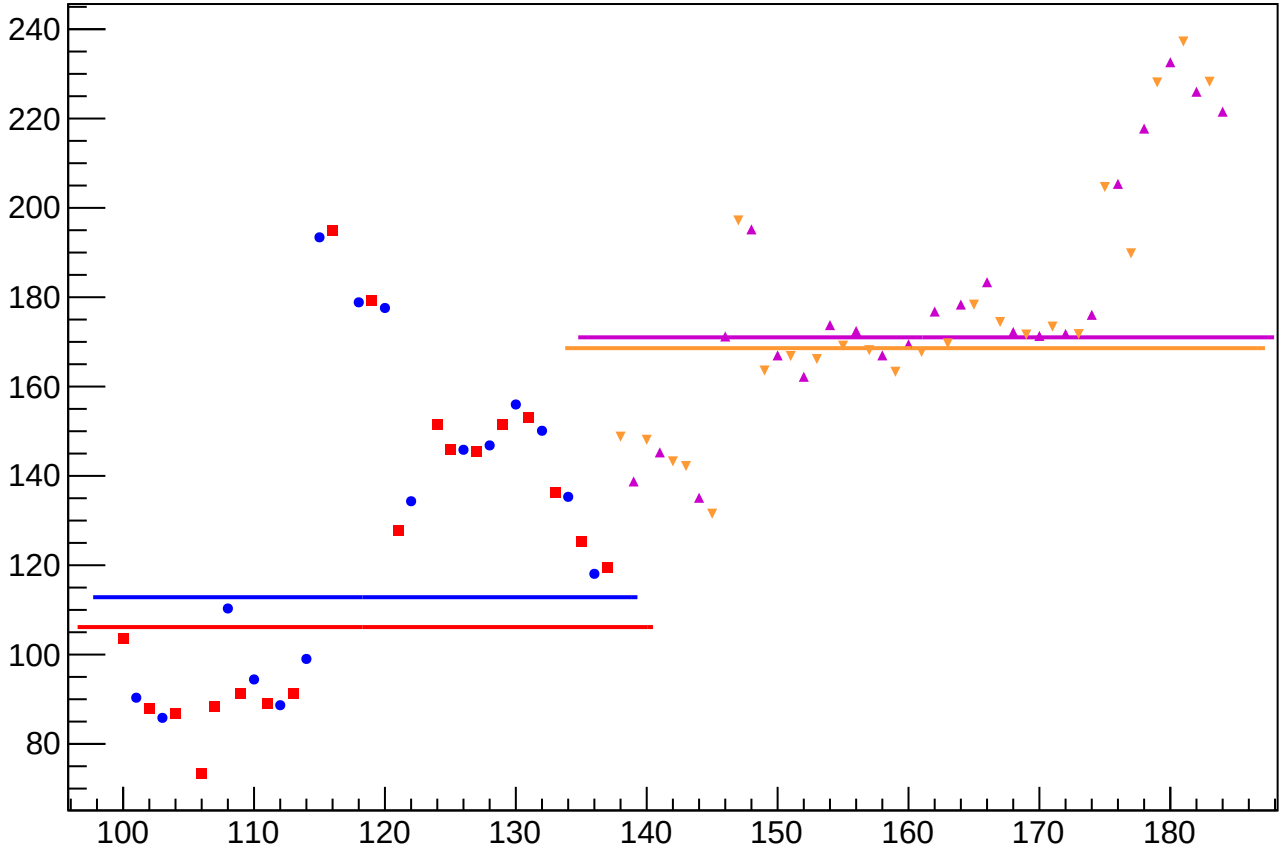
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 117.260+/-29.577 χ^2/NDF:45.3/38

Out: 137.490+/-28.104 χ^2/NDF:44.0/42

All: 127.891+/-20.373 χ^2/NDF: 89.5/81

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: 171.021+/-0.029 χ^2/NDF:678106.1/22

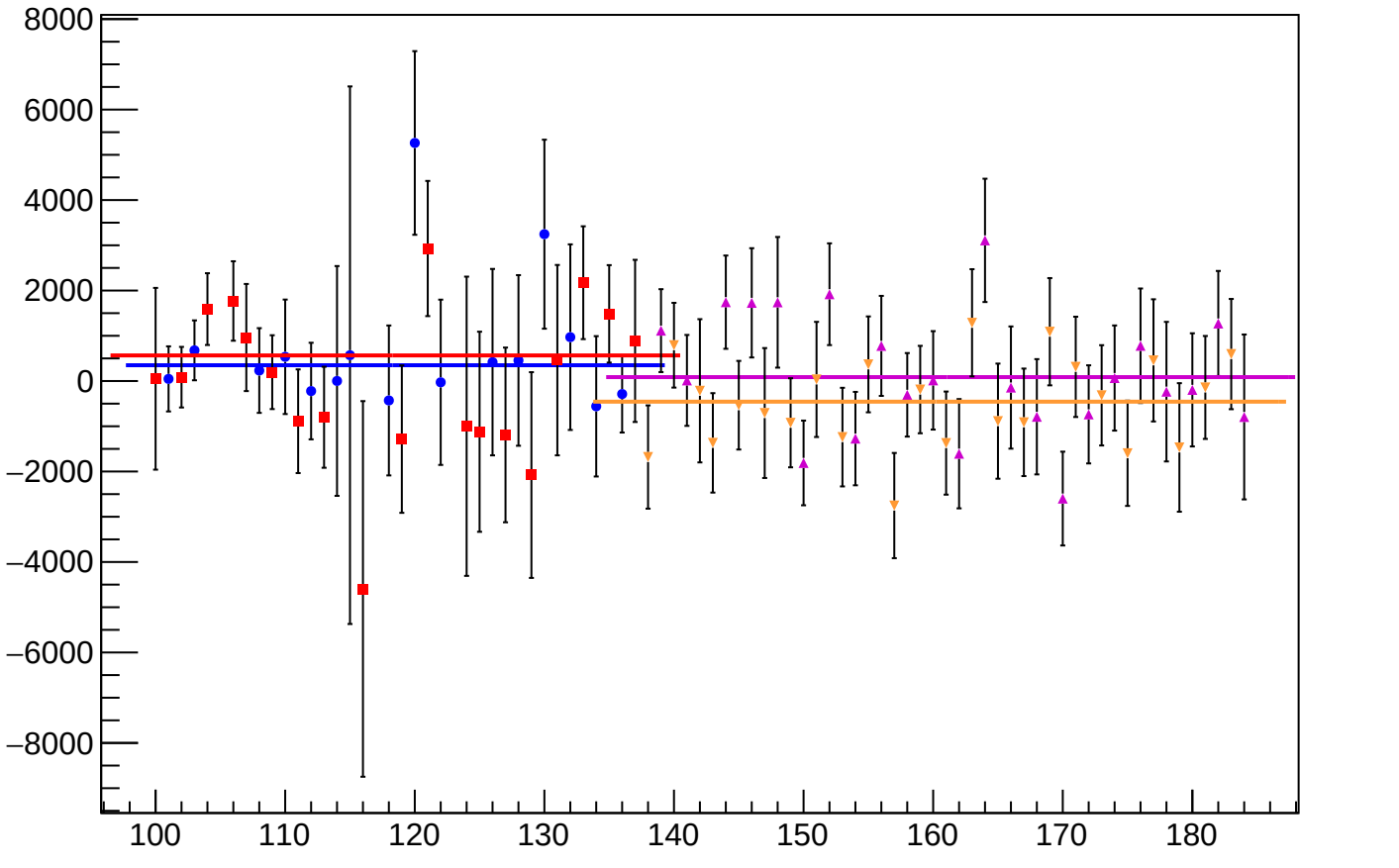
Left: 169.767+/-0.020 χ^2/NDF: 1428359.7/46

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 144.050+/-0.021 χ^2/NDF:3474690.2/38

Out: 138.588+/-0.020 χ^2/NDF:4212896.4/42

All: 141.179+/-0.014 χ^2/NDF: 7723423.0/81



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: 86.486+/-238.155 χ^2/NDF:32.4/22

Left: -189.434+/-166.984 χ^2/NDF: 52.2/46

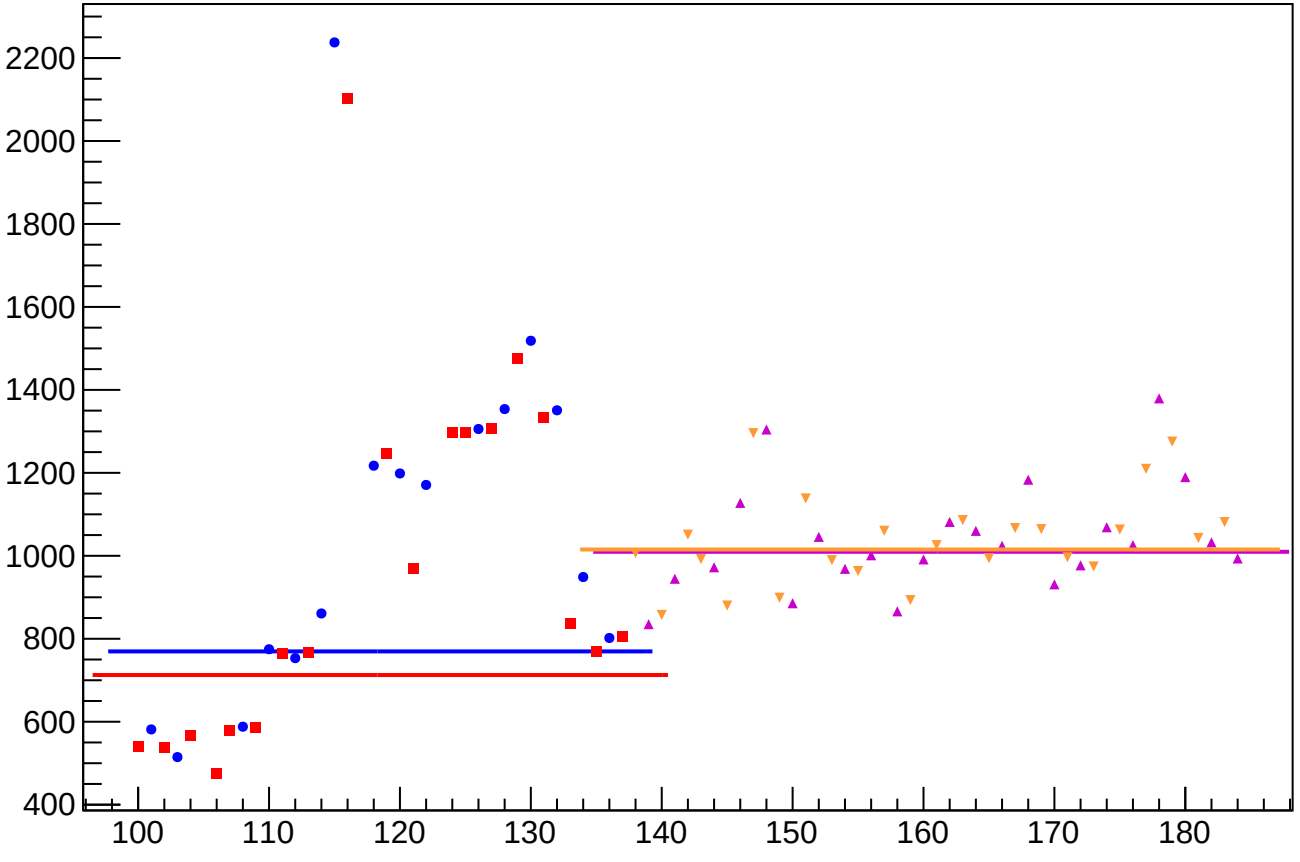
Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 185.828+/-187.786 χ^2/NDF:42.7/38

Out: -34.076+/-179.436 χ^2/NDF:43.3/42

All: 70.878+/-129.732 χ^2/NDF: 86.7/81

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



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: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.491+/-0.118 χ^2/NDF: 897224.4/46

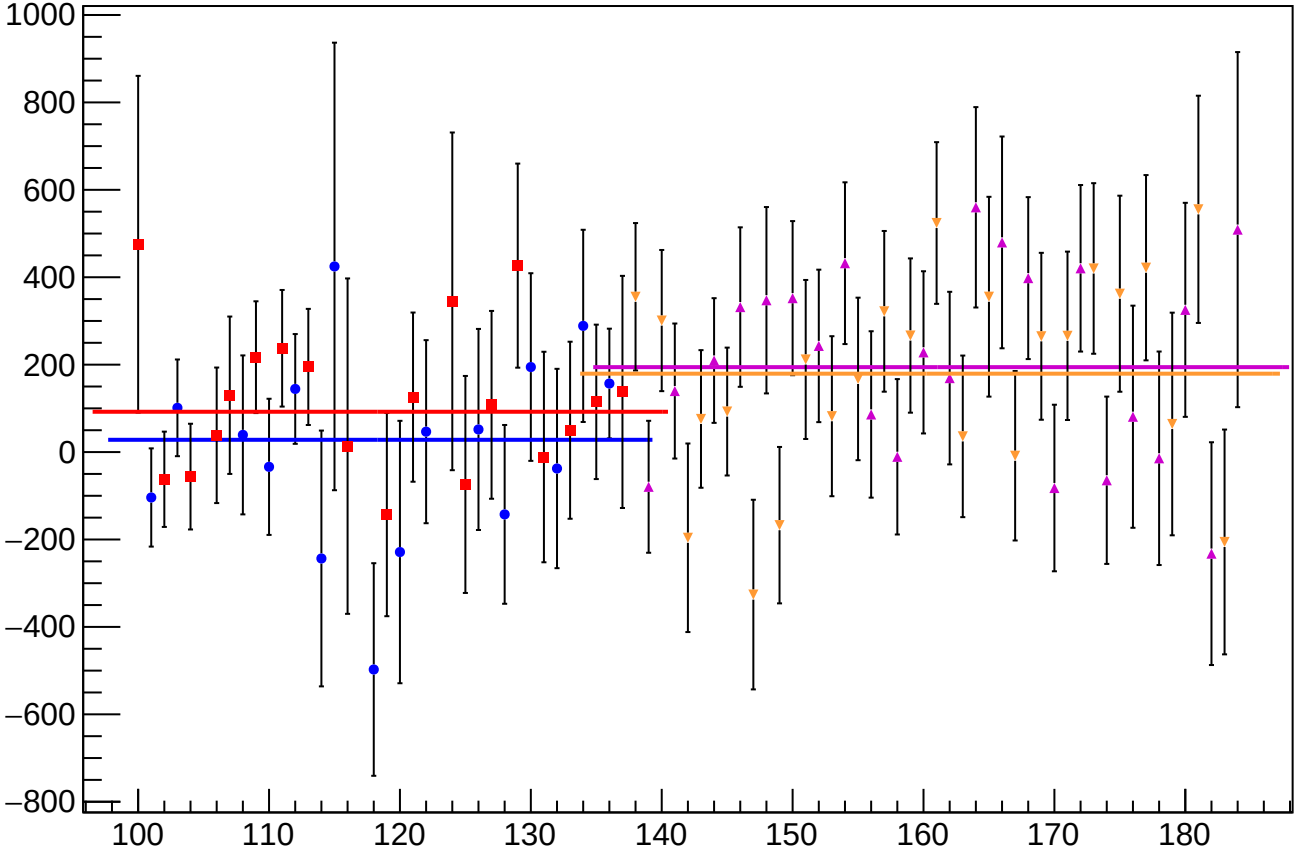
Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 918.846+/-0.133 χ^2/NDF:3007747.5/38

Out: 890.254+/-0.127 χ^2/NDF:3543910.6/42

All: 903.900+/-0.092 χ^2/NDF: 6575894.2/81

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.093+/-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: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 186.579+/-28.052 χ^2/NDF: 53.8/46

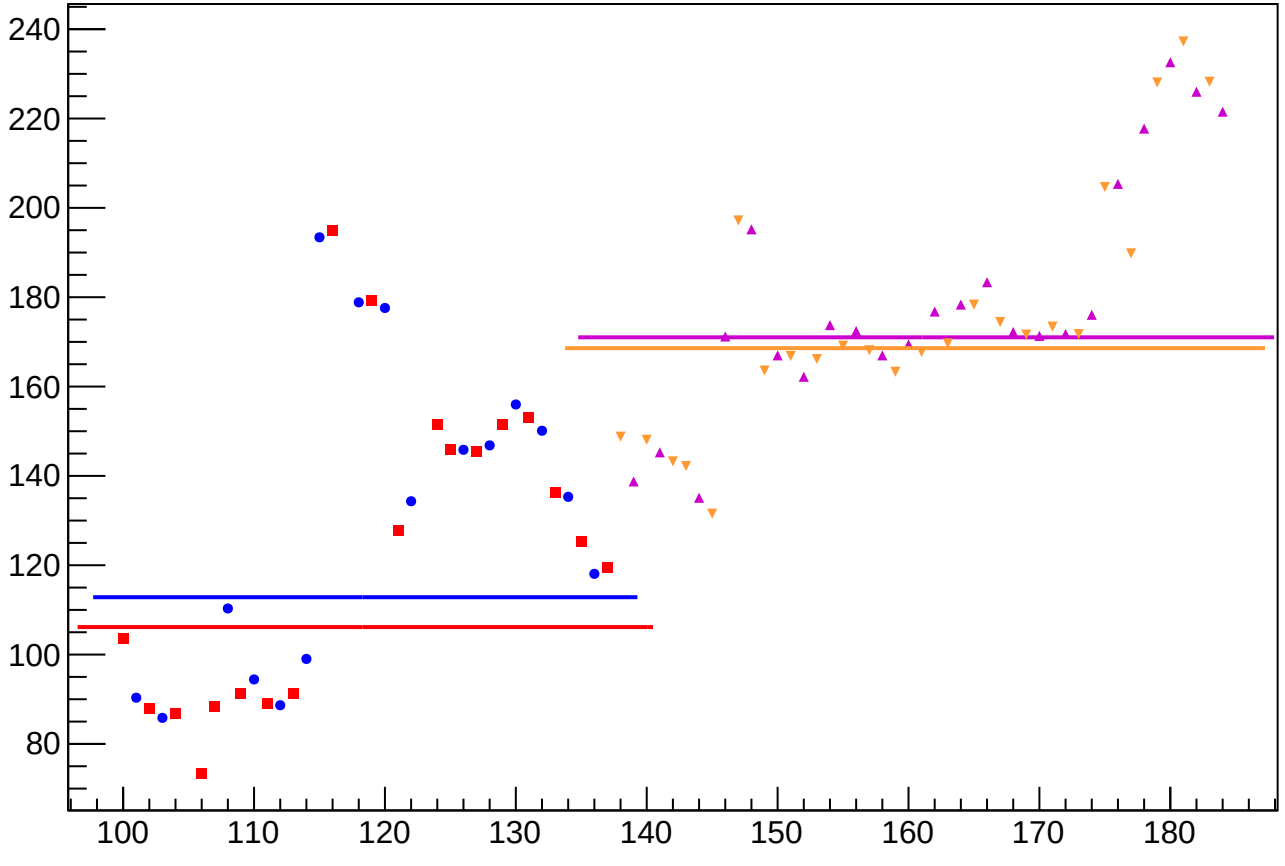
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 117.259+/-29.577 χ^2/NDF:45.3/38

Out: 137.490+/-28.104 χ^2/NDF:44.0/42

All: 127.891+/-20.373 χ^2/NDF: 89.5/81

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: 171.021+/-0.029 χ^2/NDF:678096.1/22

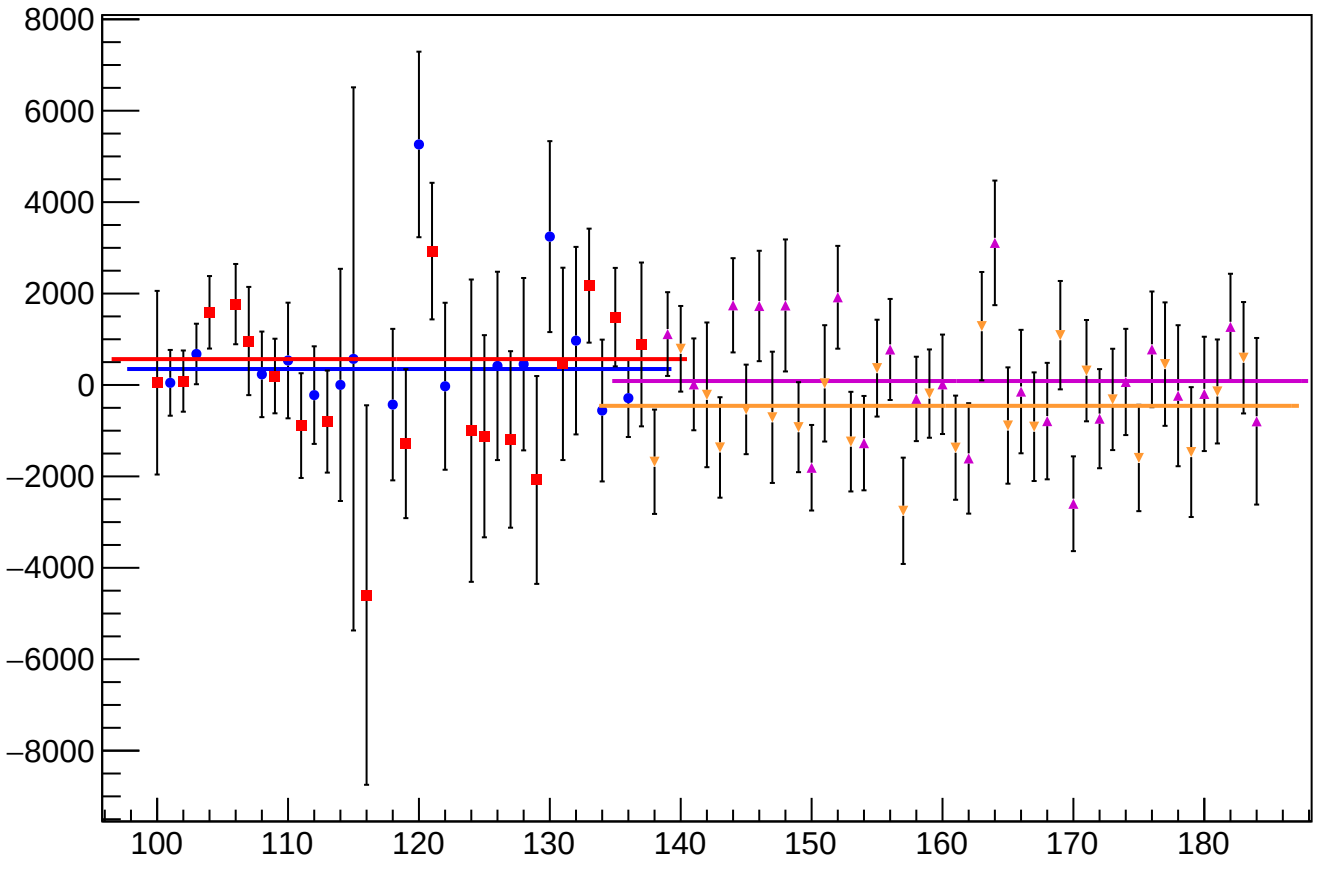
Left: 169.767+/-0.020 χ^2/NDF: 1428338.7/46

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 144.049+/-0.021 χ^2/NDF:3474715.0/38

Out: 138.588+/-0.020 χ^2/NDF:4212903.4/42

All: 141.179+/-0.014 χ^2/NDF: 7723455.1/81



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: 86.487+/-238.155 χ^2/NDF:32.4/22

Left: -189.433+/-166.984 χ^2/NDF: 52.2/46

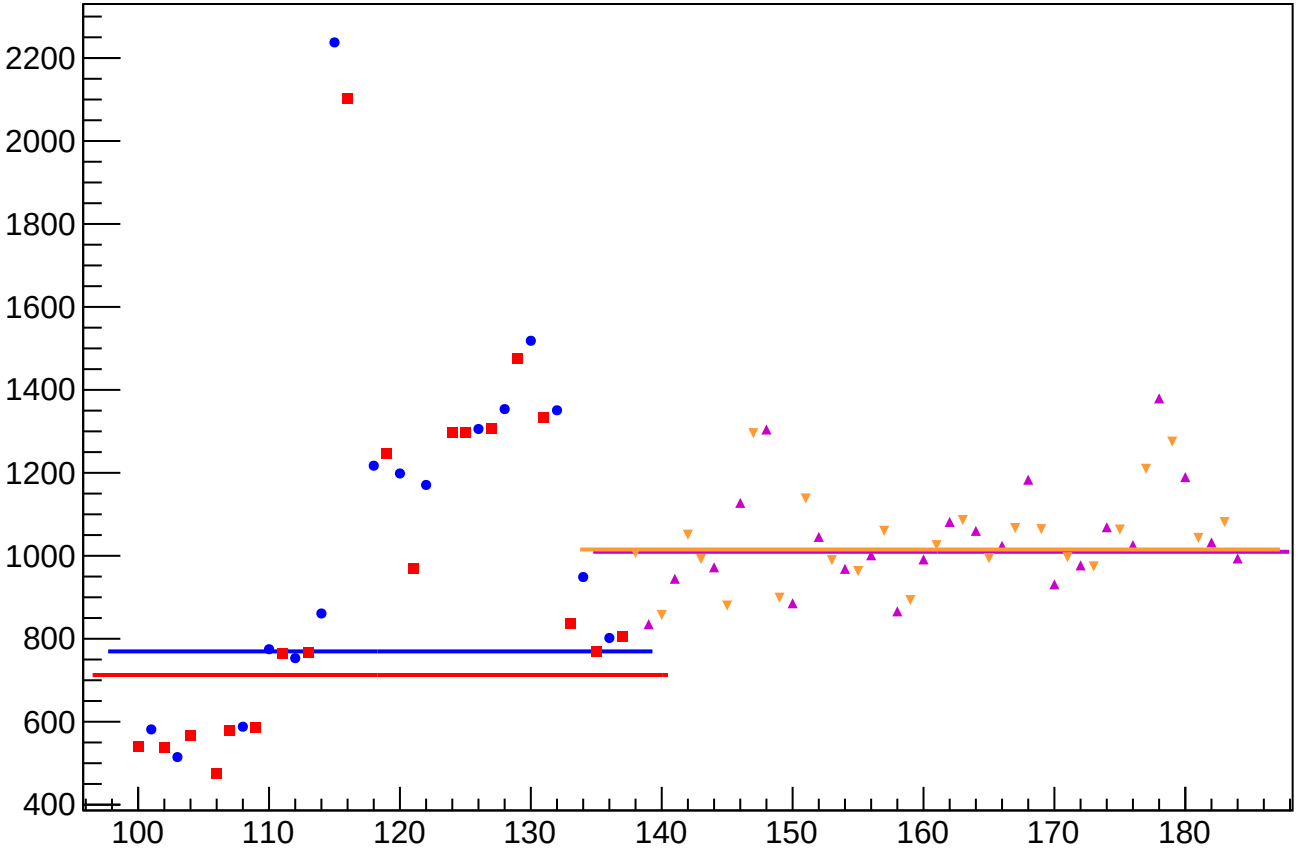
Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 185.828+/-187.786 χ^2/NDF:42.7/38

Out: -34.074+/-179.436 χ^2/NDF:43.3/42

All: 70.879+/-129.732 χ^2/NDF: 86.7/81

asym_sam5_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.492+/-0.118 χ^2/NDF: 897222.7/46

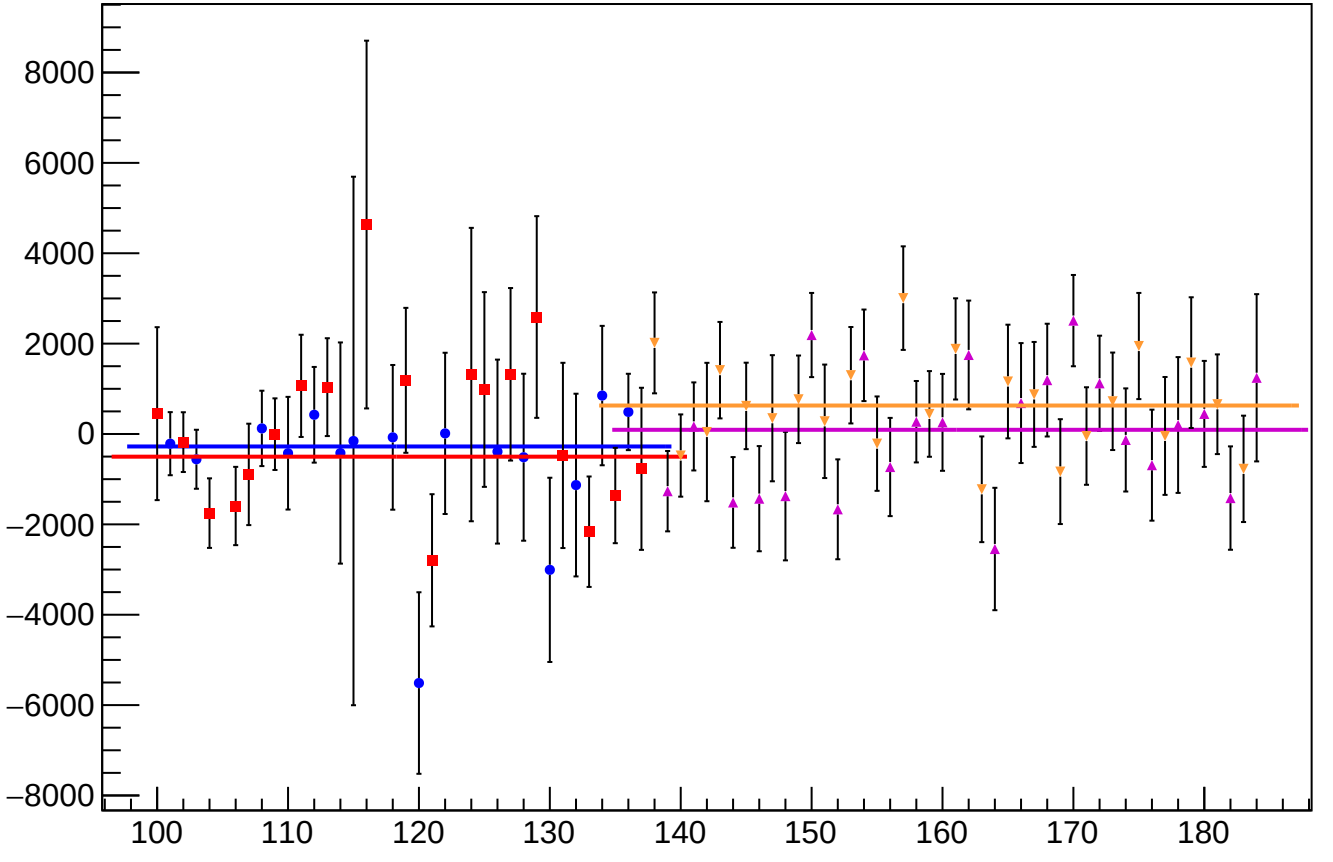
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 918.846+/-0.133 χ^2/NDF:3007761.2/38

Out: 890.254+/-0.127 χ^2/NDF:3543923.8/42

All: 903.900+/-0.092 χ^2/NDF: 6575921.5/81

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: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 365.479+/-163.516 χ^2/NDF: 55.9/46

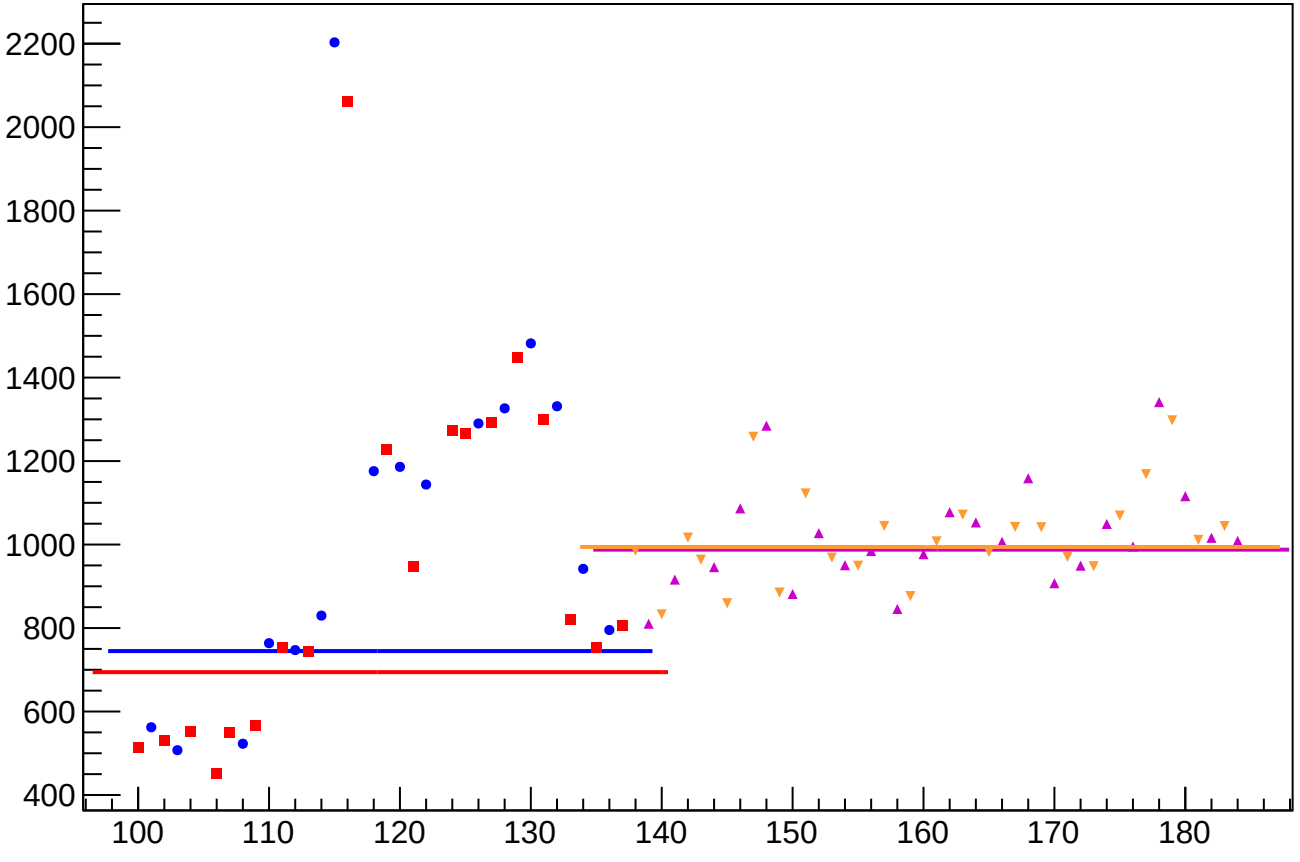
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -48.036+/-183.260 χ^2/NDF:46.6/38

Out: 161.291+/-175.676 χ^2/NDF:49.1/42

All: 61.048+/-126.818 χ^2/NDF: 96.4/81

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: 987.784+/-0.165 χ^2/NDF:487733.2/22

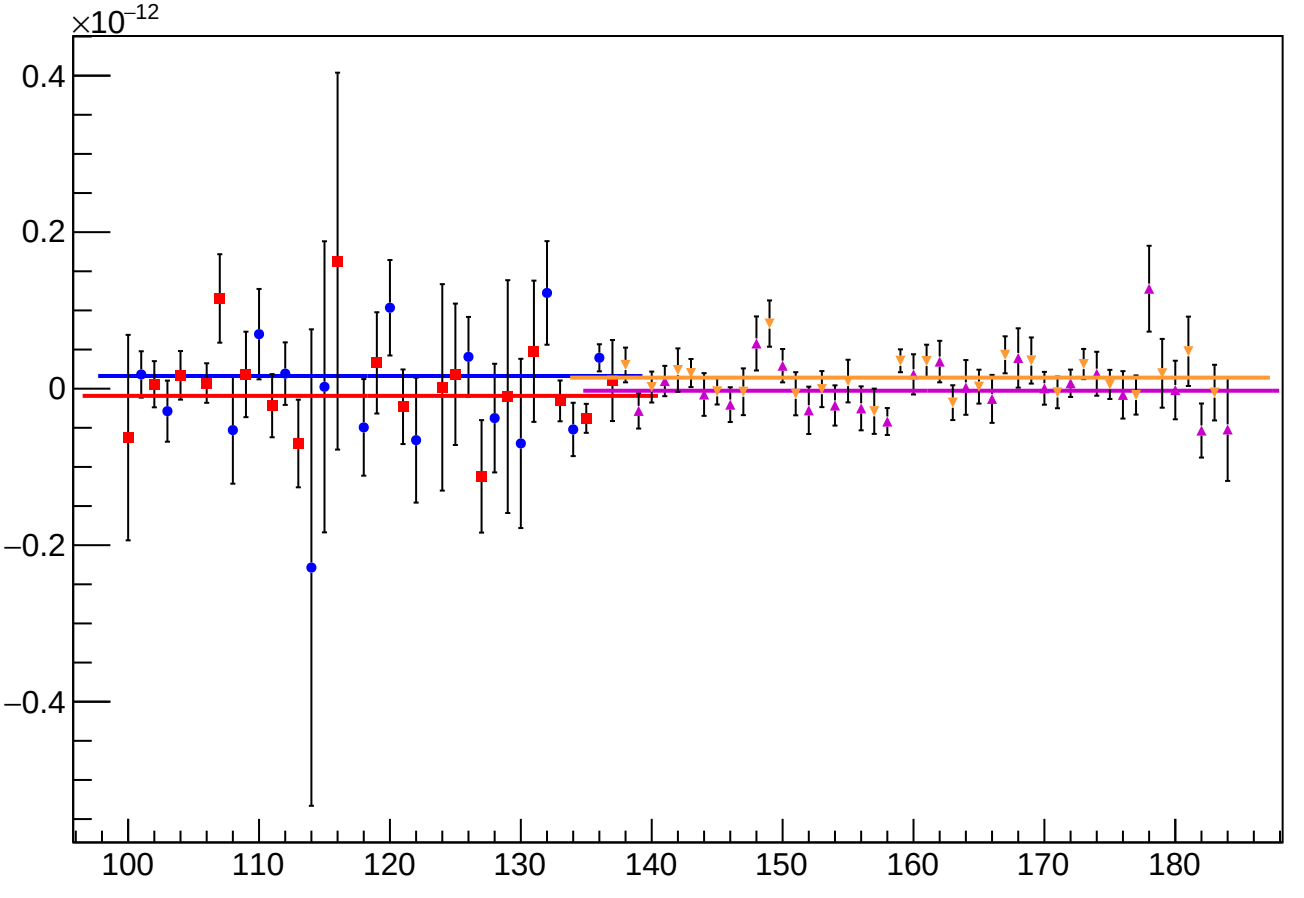
Left: 991.044+/-0.116 χ^2/NDF: 907180.0/46

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 895.083+/-0.130 χ^2/NDF:3140022.1/38

Out: 870.027+/-0.124 χ^2/NDF:3636158.9/42

All: 882.026+/-0.090 χ^2/NDF: 6795663.4/81



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:28.1/22

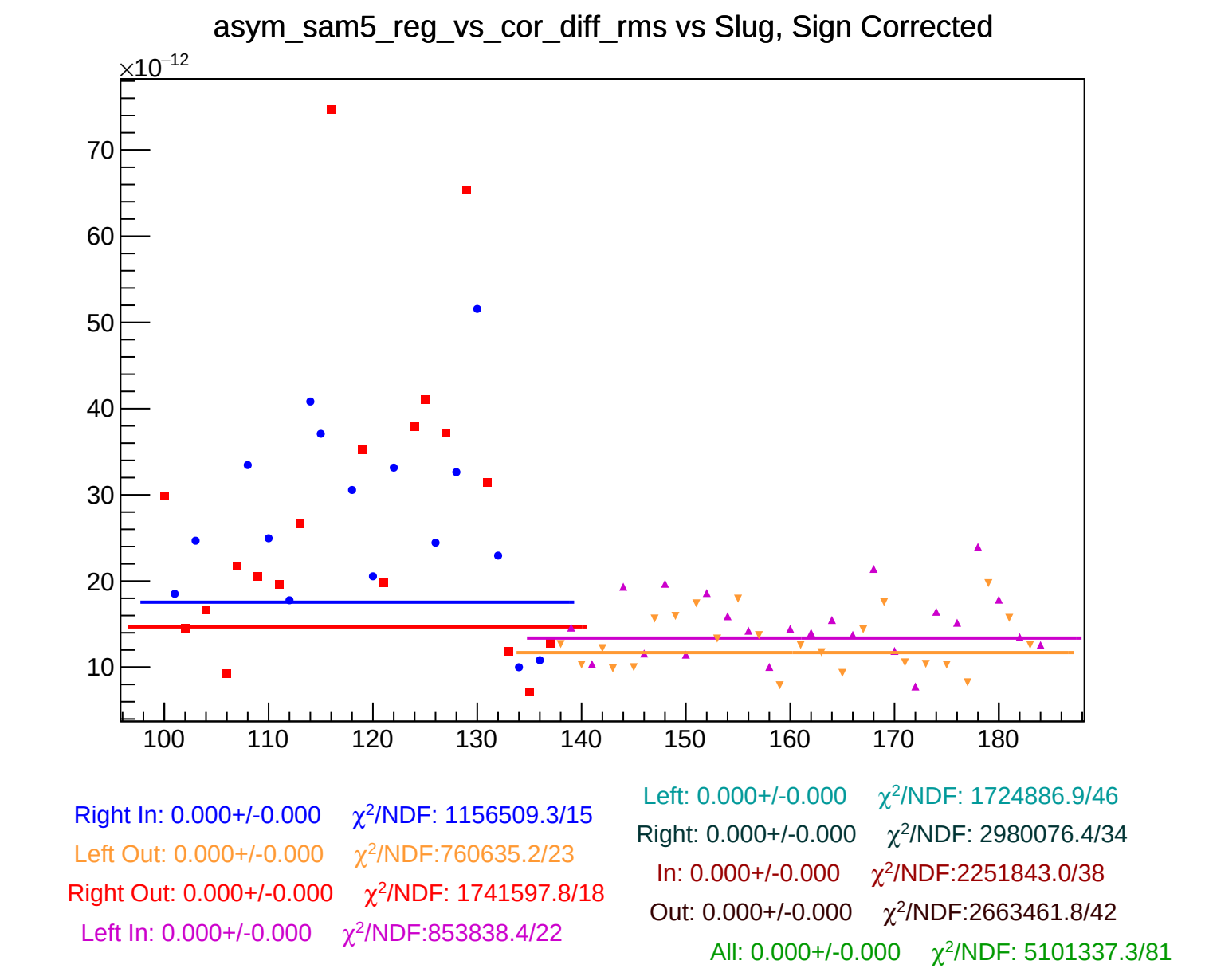
Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:48.5/38

Out: 0.000+/-0.000 χ^2/NDF:41.5/42

All: 0.000+/-0.000 χ^2/NDF: 91.7/81


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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20
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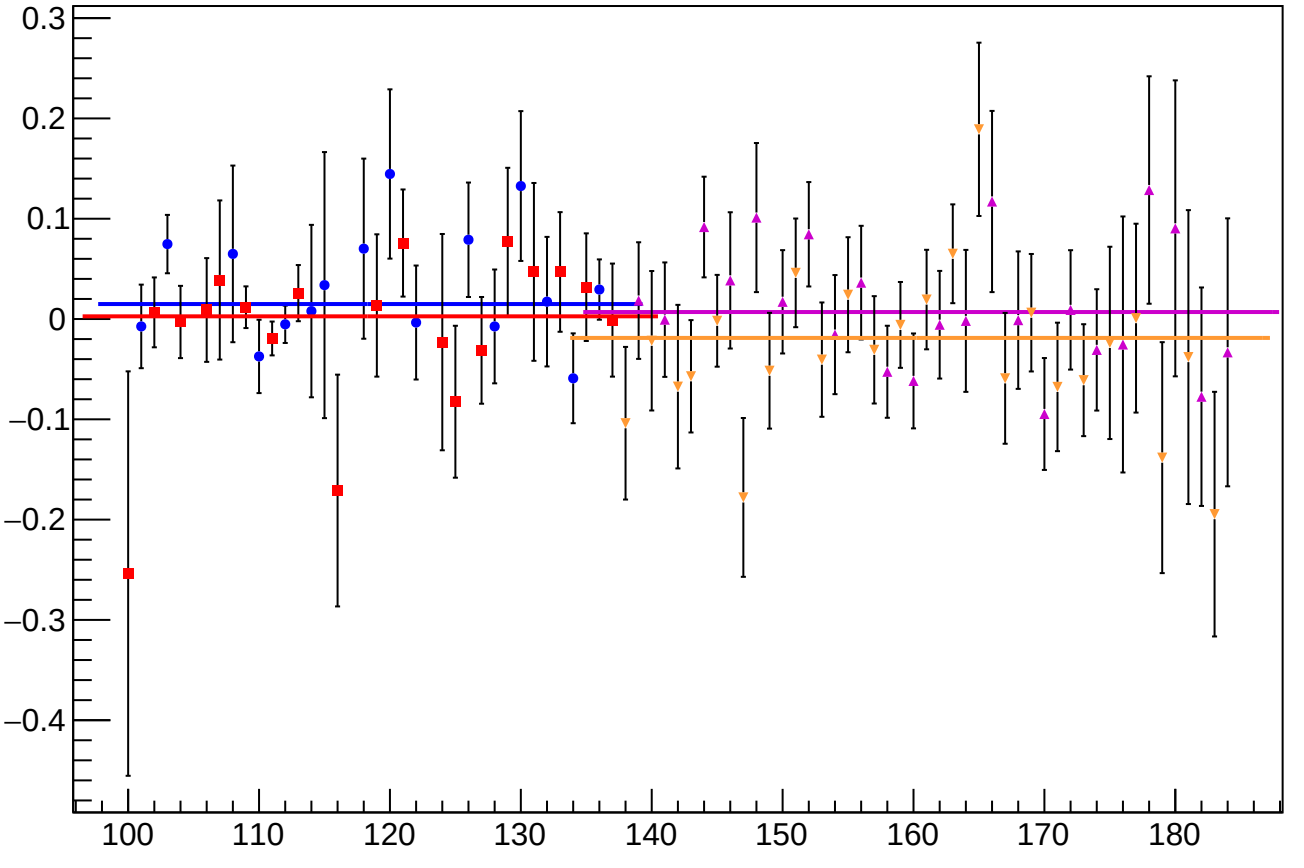
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:760635.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:853838.4/22
Left: 0.000+/-0.000 χ²/NDF: 1724886.9/46
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:2251843.0/38
Out: 0.000+/-0.000 χ²/NDF:2663461.8/42
All: 0.000+/-0.000 χ²/NDF: 5101337.3/81



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:18.7/22

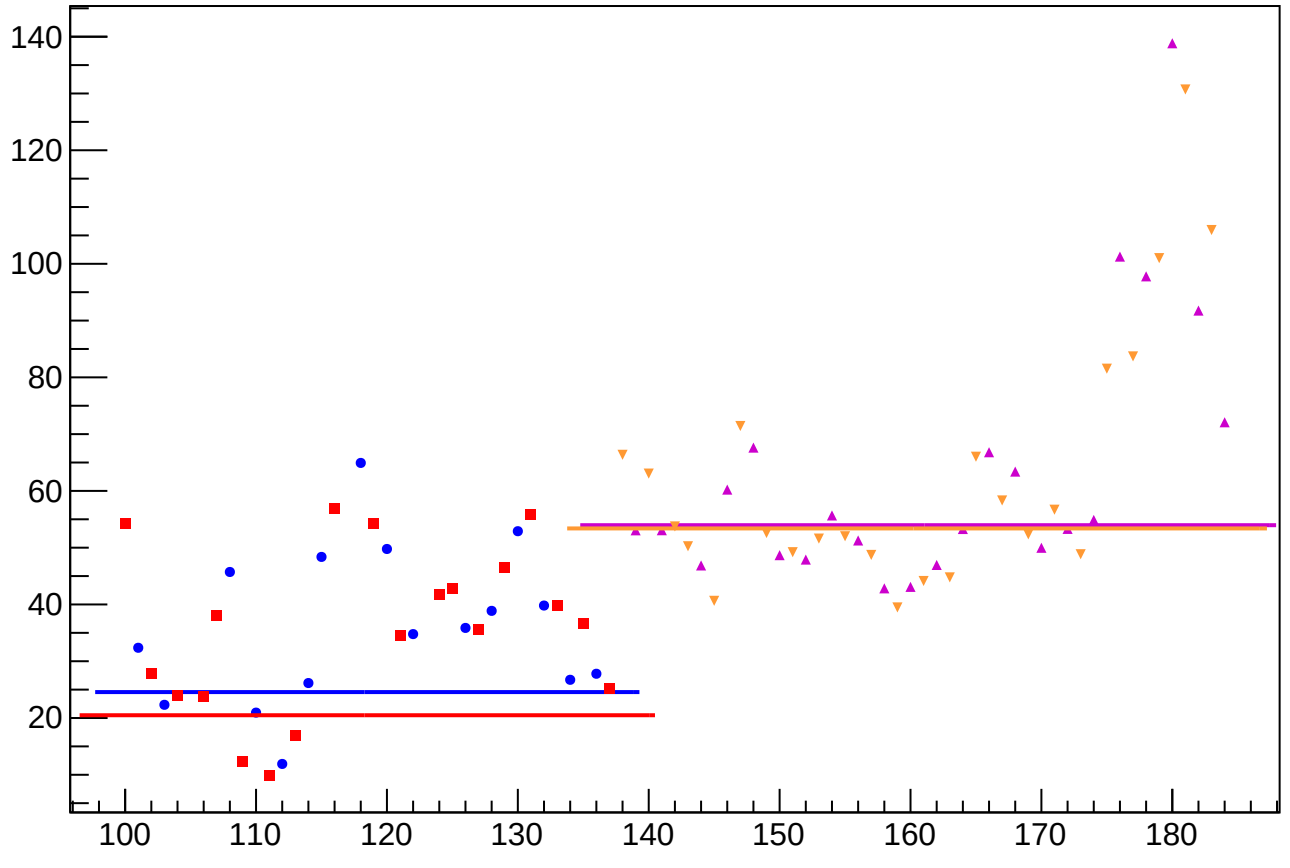
Left: -0.006+/-0.009 χ^2/NDF: 43.7/46

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:36.7/38

Out: -0.005+/-0.007 χ^2/NDF:37.4/42

All: 0.003+/-0.006 χ^2/NDF: 76.3/81



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: 53.961+/-0.009 χ^2/NDF:2039530.1/22

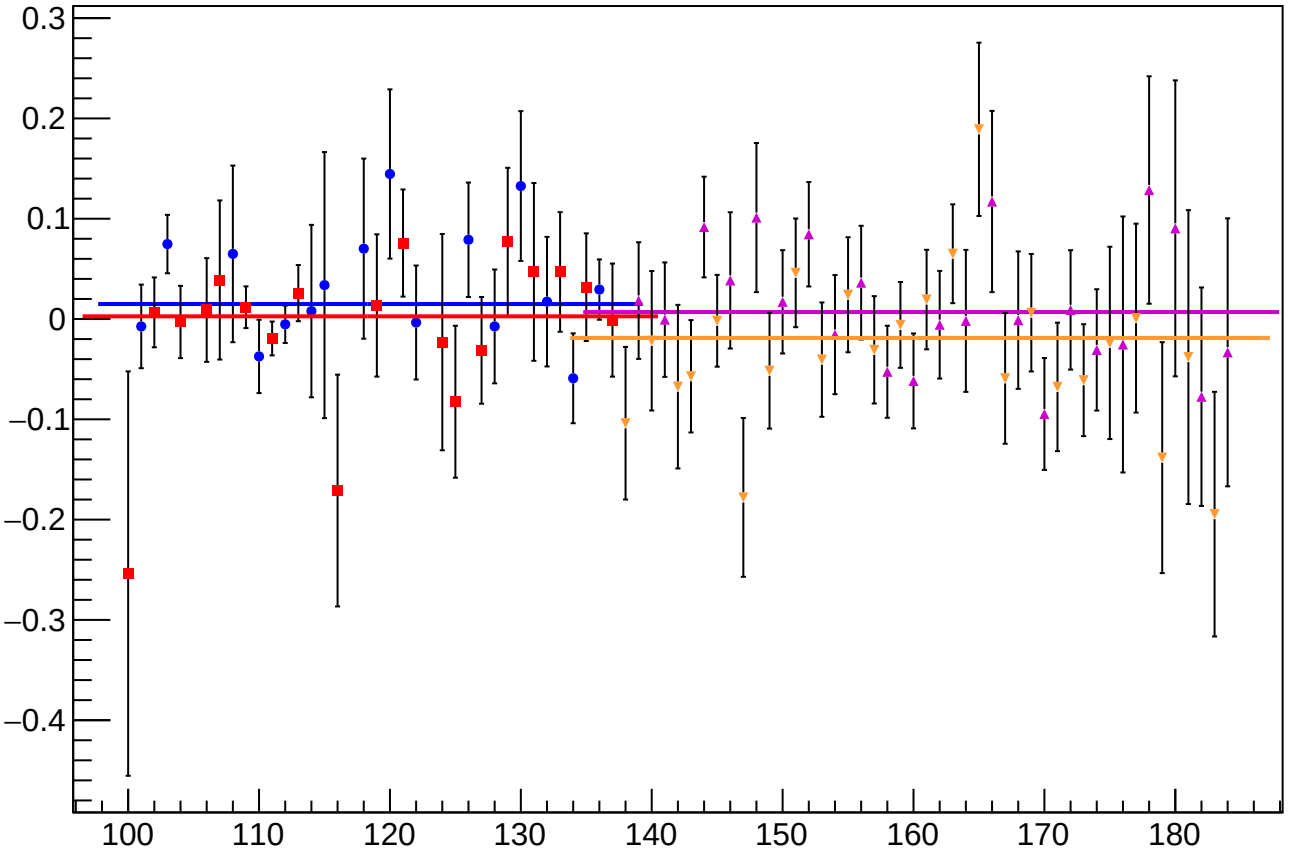
Left: 53.668+/-0.007 χ^2/NDF: 4499644.8/46

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 36.081+/-0.006 χ^2/NDF:10563348.4/38

Out: 31.719+/-0.005 χ^2/NDF:14724483.6/42

All: 33.687+/-0.004 χ^2/NDF: 25594115.6/81



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:18.7/22

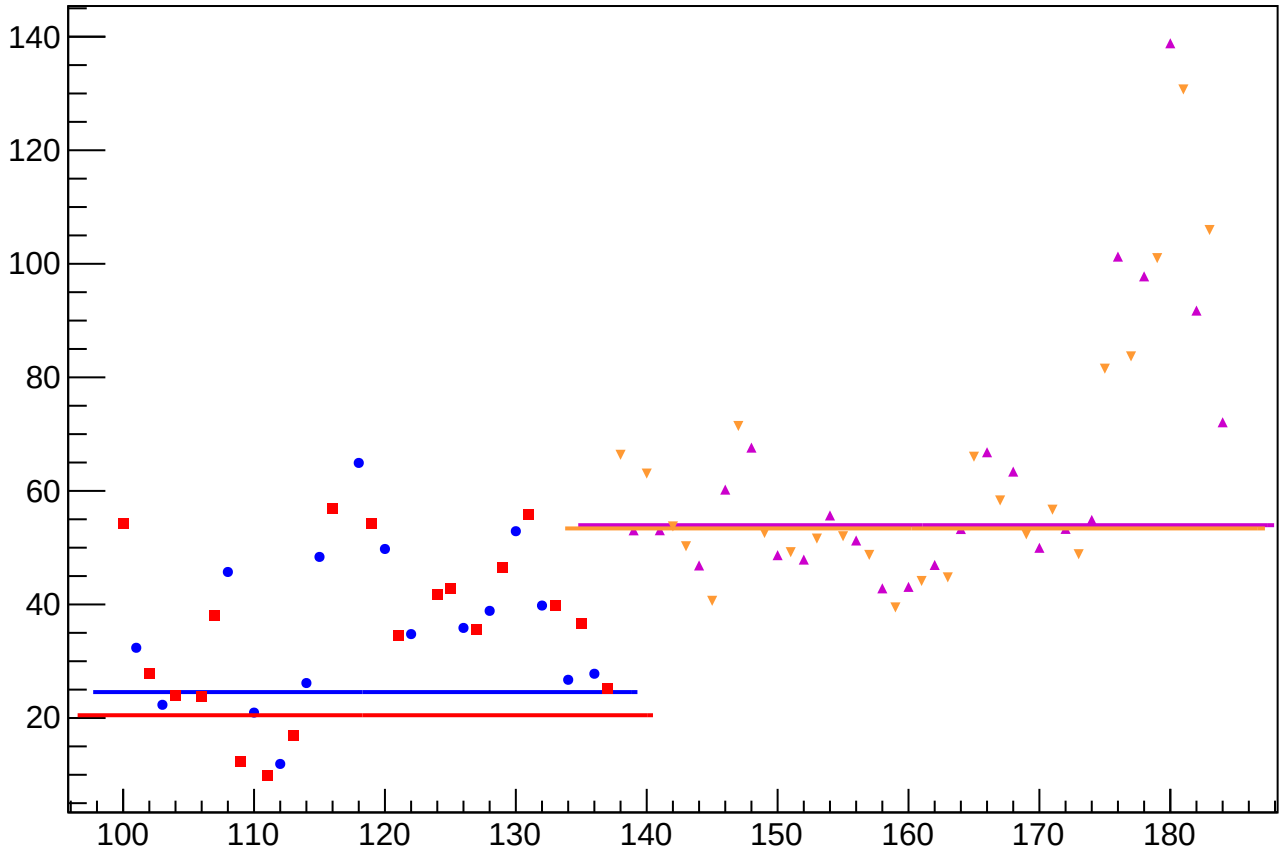
Left: -0.006+/-0.009 χ^2/NDF: 43.7/46

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:36.7/38

Out: -0.005+/-0.007 χ^2/NDF:37.4/42

All: 0.003+/-0.006 χ^2/NDF: 76.3/81



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: 53.961+/-0.009 χ^2/NDF:2039530.1/22

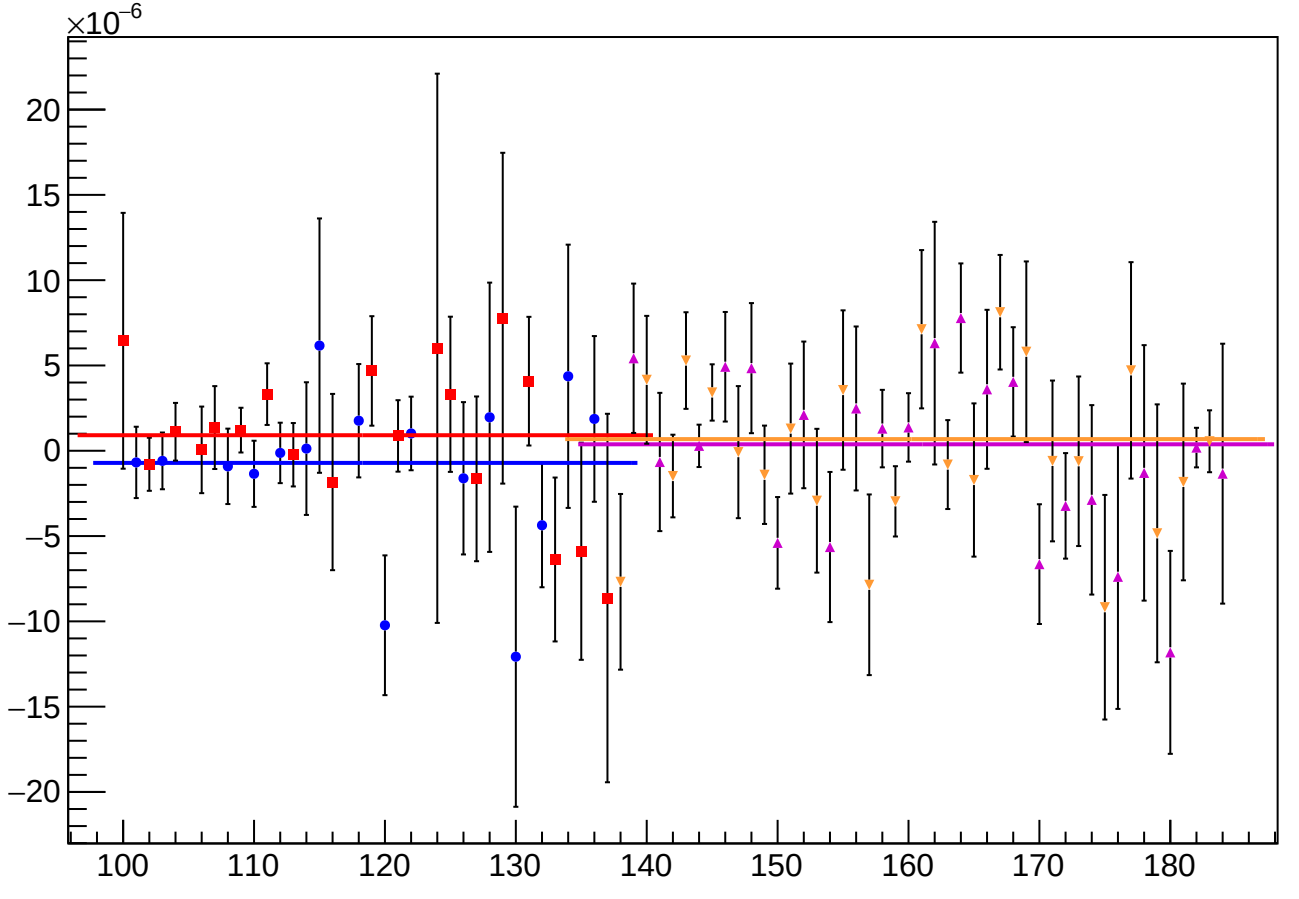
Left: 53.668+/-0.007 χ^2/NDF: 4499644.8/46

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 36.081+/-0.006 χ^2/NDF:10563348.4/38

Out: 31.719+/-0.005 χ^2/NDF:14724483.6/42

All: 33.687+/-0.004 χ^2/NDF: 25594115.6/81



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:30.9/22

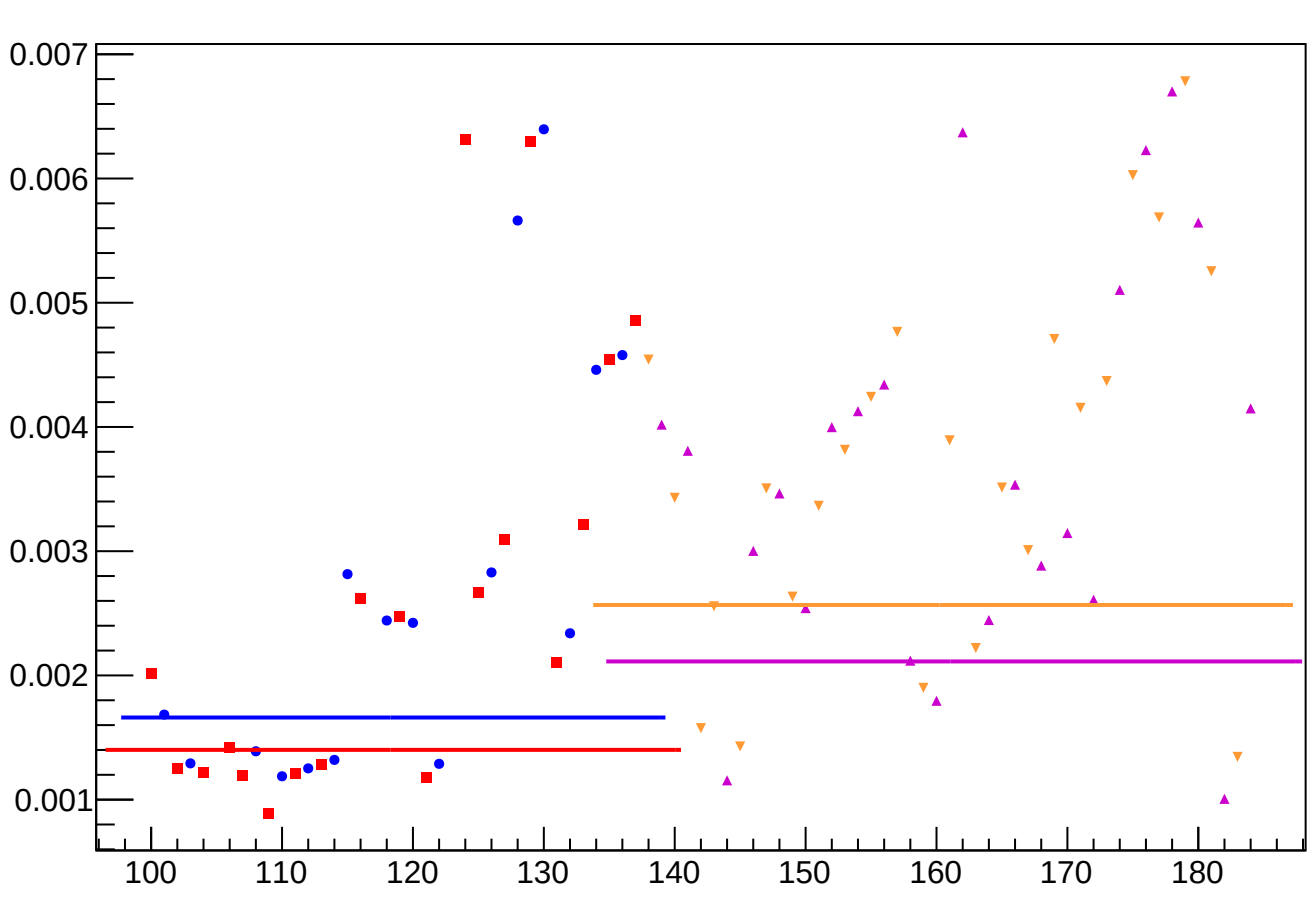
Left: 0.000+/-0.000 χ^2/NDF: 60.0/46

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:43.6/38

Out: 0.000+/-0.000 χ^2/NDF:41.0/42

All: 0.000+/-0.000 χ^2/NDF: 86.5/81



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:9487138.7/22

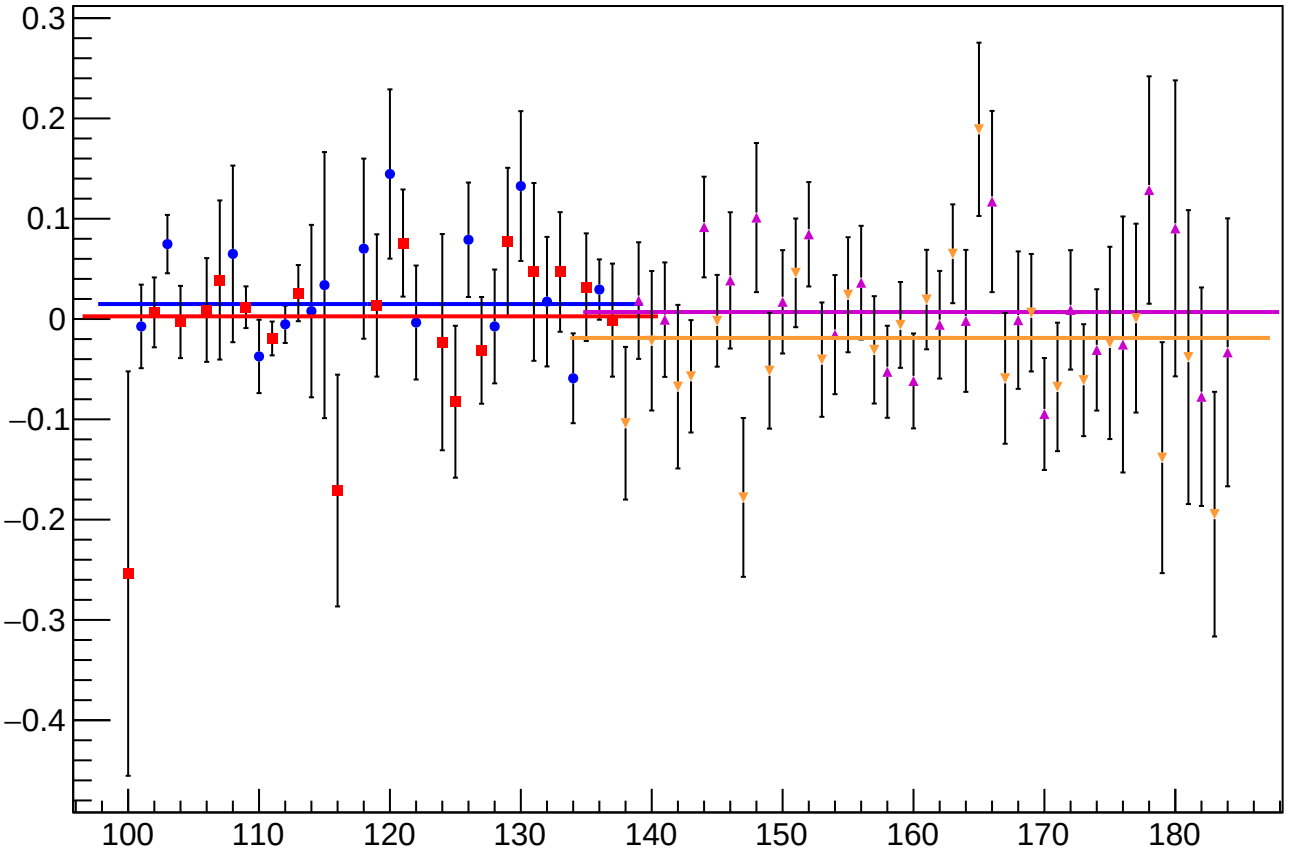
Left: 0.002+/-0.000 χ^2/NDF: 17035171.0/46

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:12921463.1/38

Out: 0.002+/-0.000 χ^2/NDF:13382696.7/42

All: 0.002+/-0.000 χ^2/NDF: 26305710.0/81



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:18.7/22

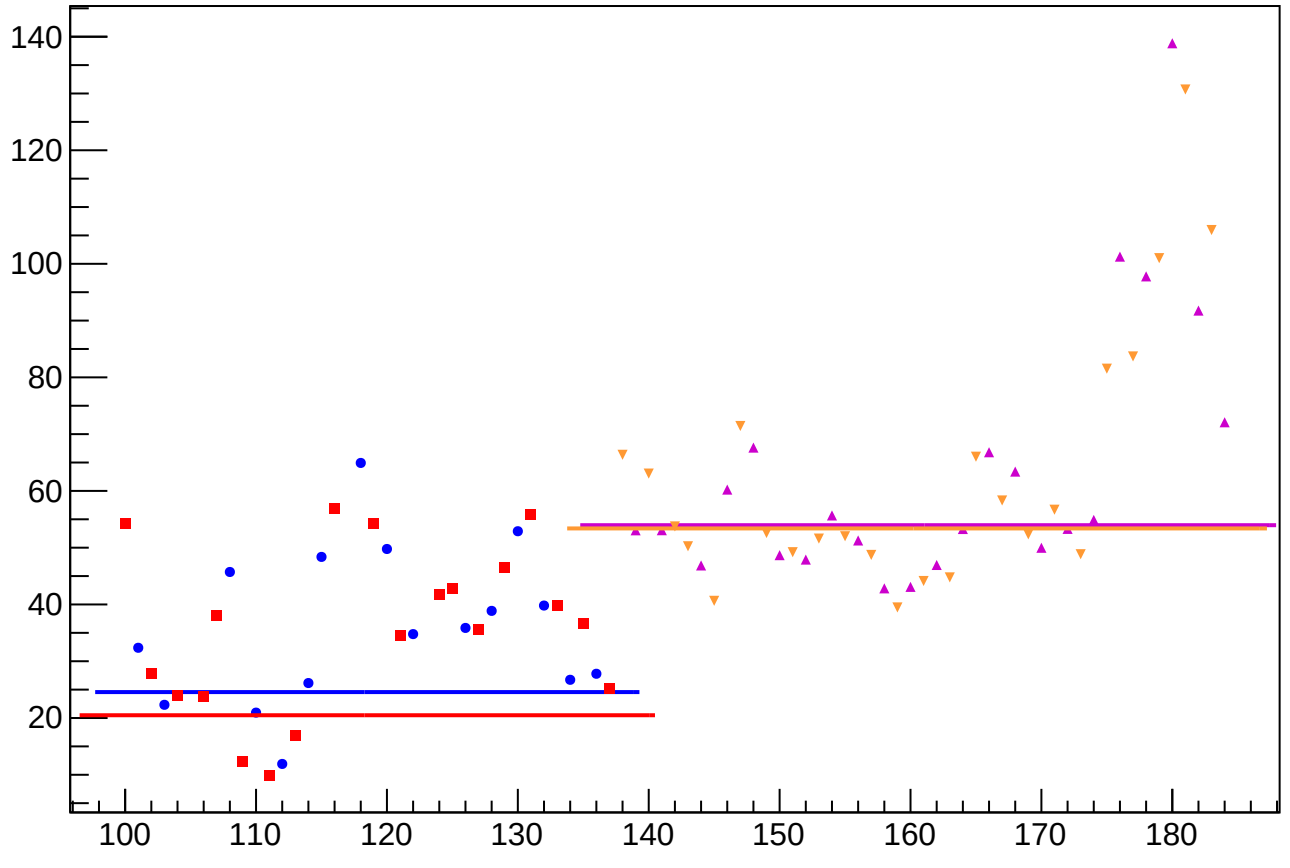
Left: -0.006+/-0.009 χ^2/NDF: 43.7/46

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:36.7/38

Out: -0.005+/-0.007 χ^2/NDF:37.4/42

All: 0.003+/-0.006 χ^2/NDF: 76.3/81



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: 53.961+/-0.009 χ^2/NDF:2039571.7/22

Left: 53.668+/-0.007 χ^2/NDF: 4499734.5/46

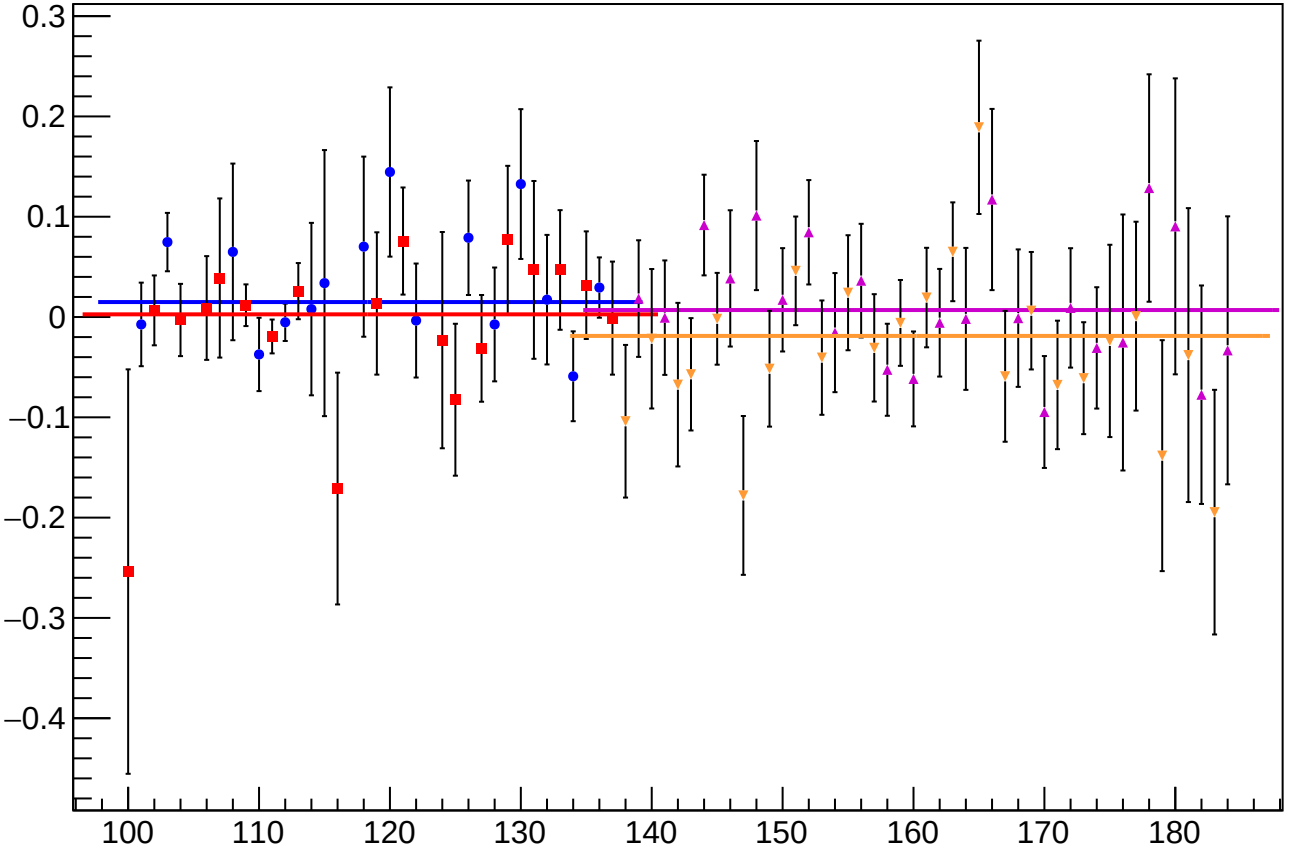
Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 36.080+/-0.006 χ^2/NDF:10563673.8/38

Out: 31.718+/-0.005 χ^2/NDF:14724963.2/42

All: 33.686+/-0.004 χ^2/NDF: 25594939.6/81

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.019+/-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:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 43.7/46

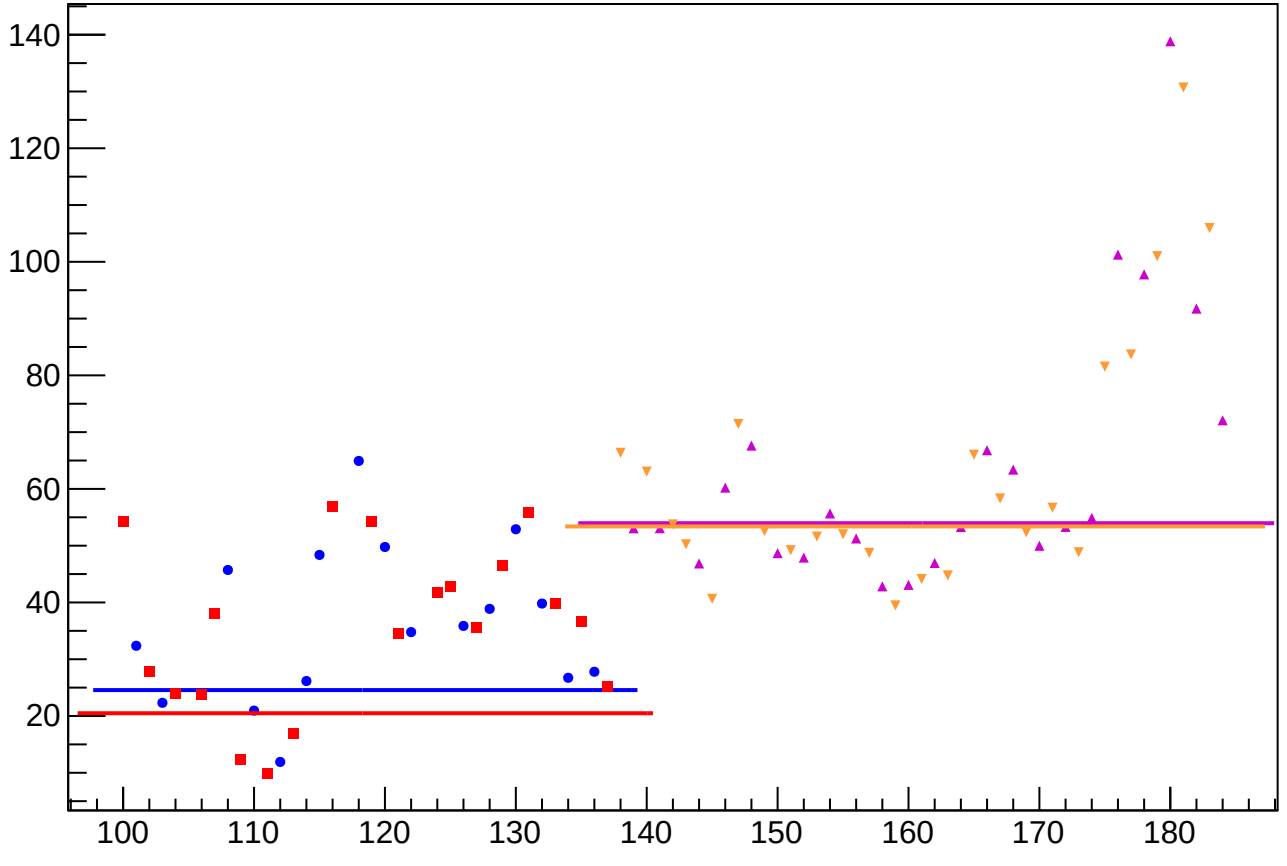
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:36.7/38

Out: -0.005+/-0.007 χ^2/NDF:37.4/42

All: 0.003+/-0.006 χ^2/NDF: 76.3/81

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.391+/-0.009 χ^2/NDF:2458238.4/23

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

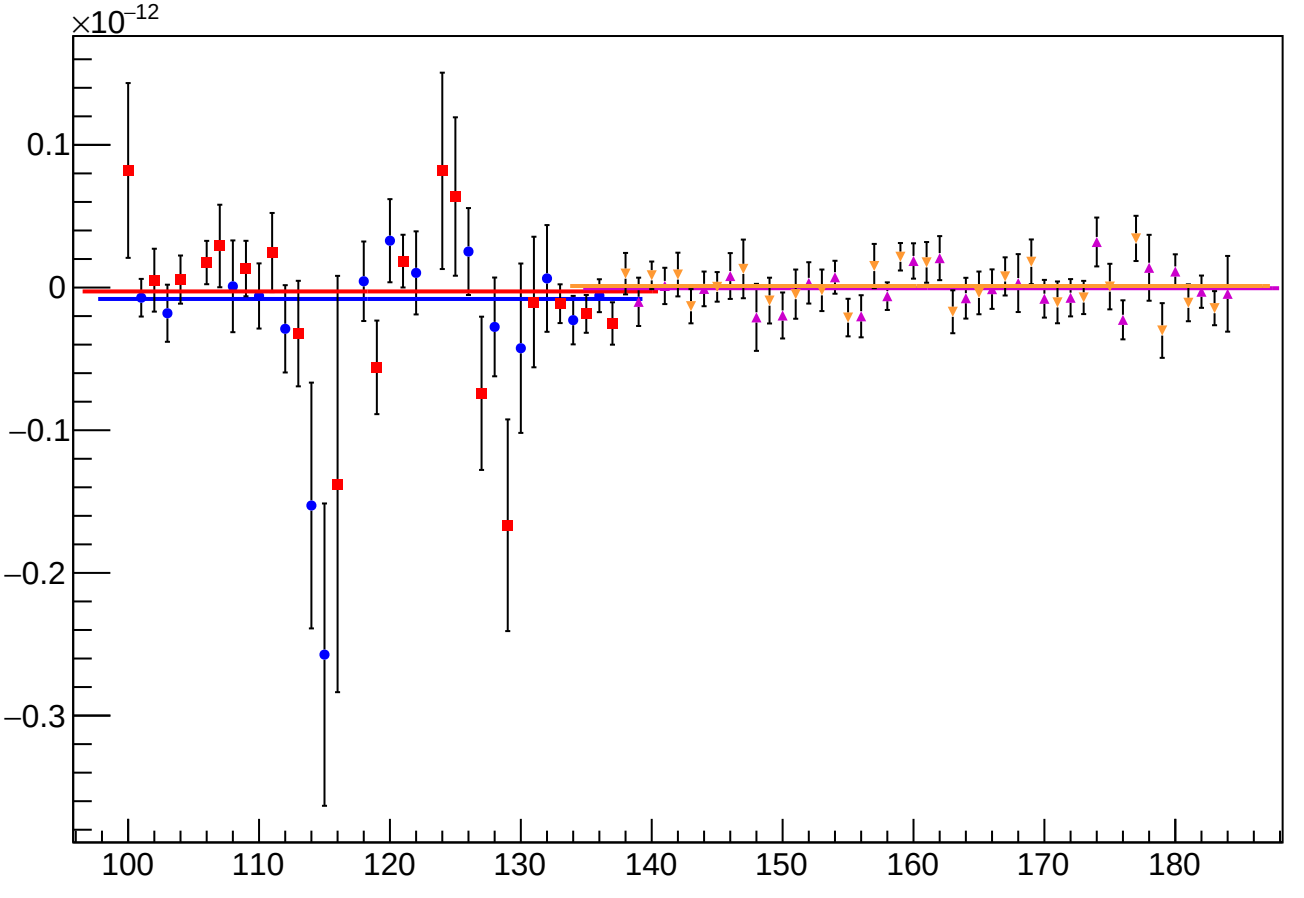
Left: 53.668+/-0.007 χ^2/NDF: 4499734.5/46

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 36.080+/-0.006 χ^2/NDF:10563673.8/38

Out: 31.718+/-0.005 χ^2/NDF:14724963.2/42

All: 33.686+/-0.004 χ^2/NDF: 25594939.6/81



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:18.1/22

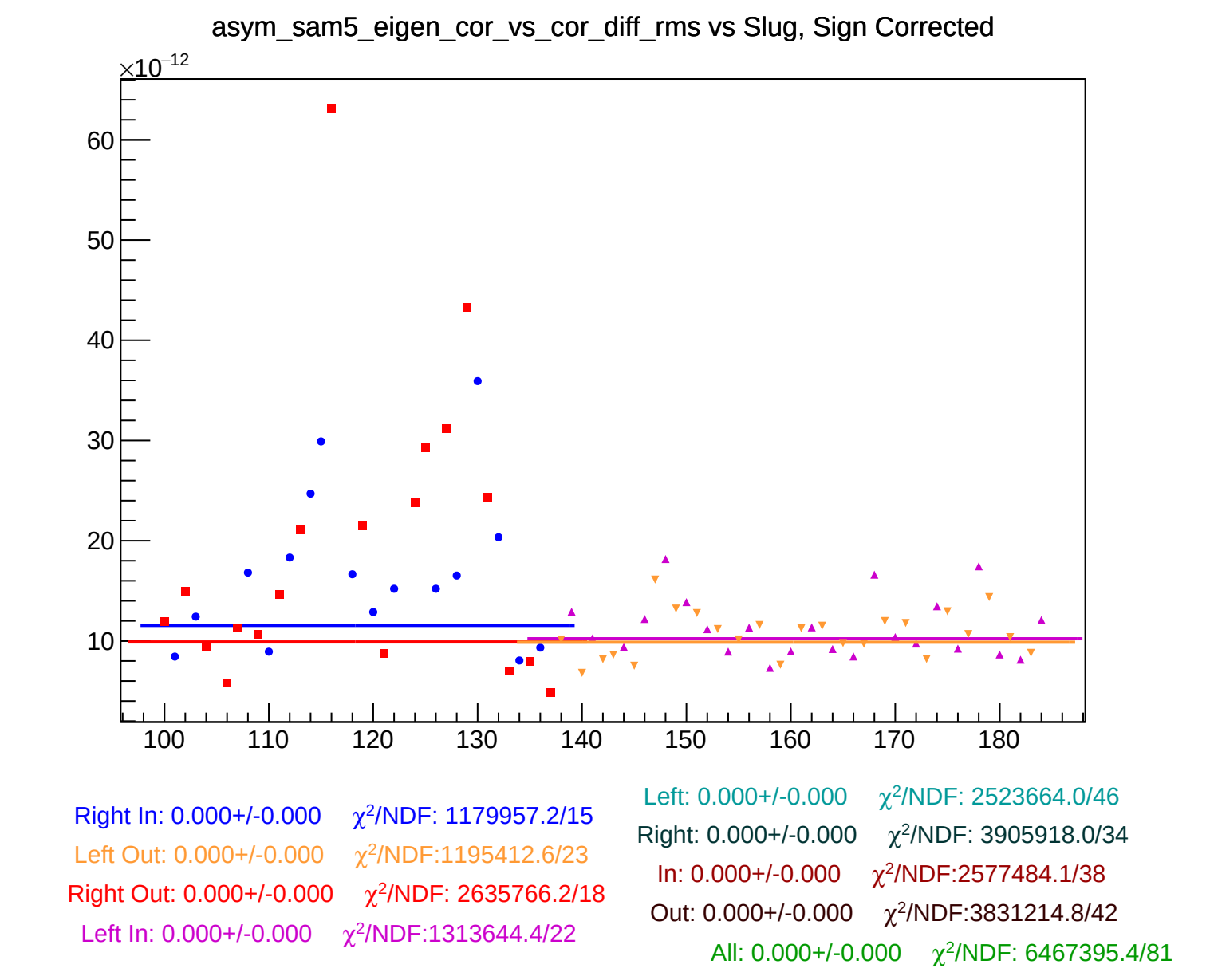
Left: 0.000+/-0.000 χ^2/NDF: 44.9/46

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:34.0/38

Out: 0.000+/-0.000 χ^2/NDF:53.2/42

All: -0.000+/-0.000 χ^2/NDF: 87.6/81


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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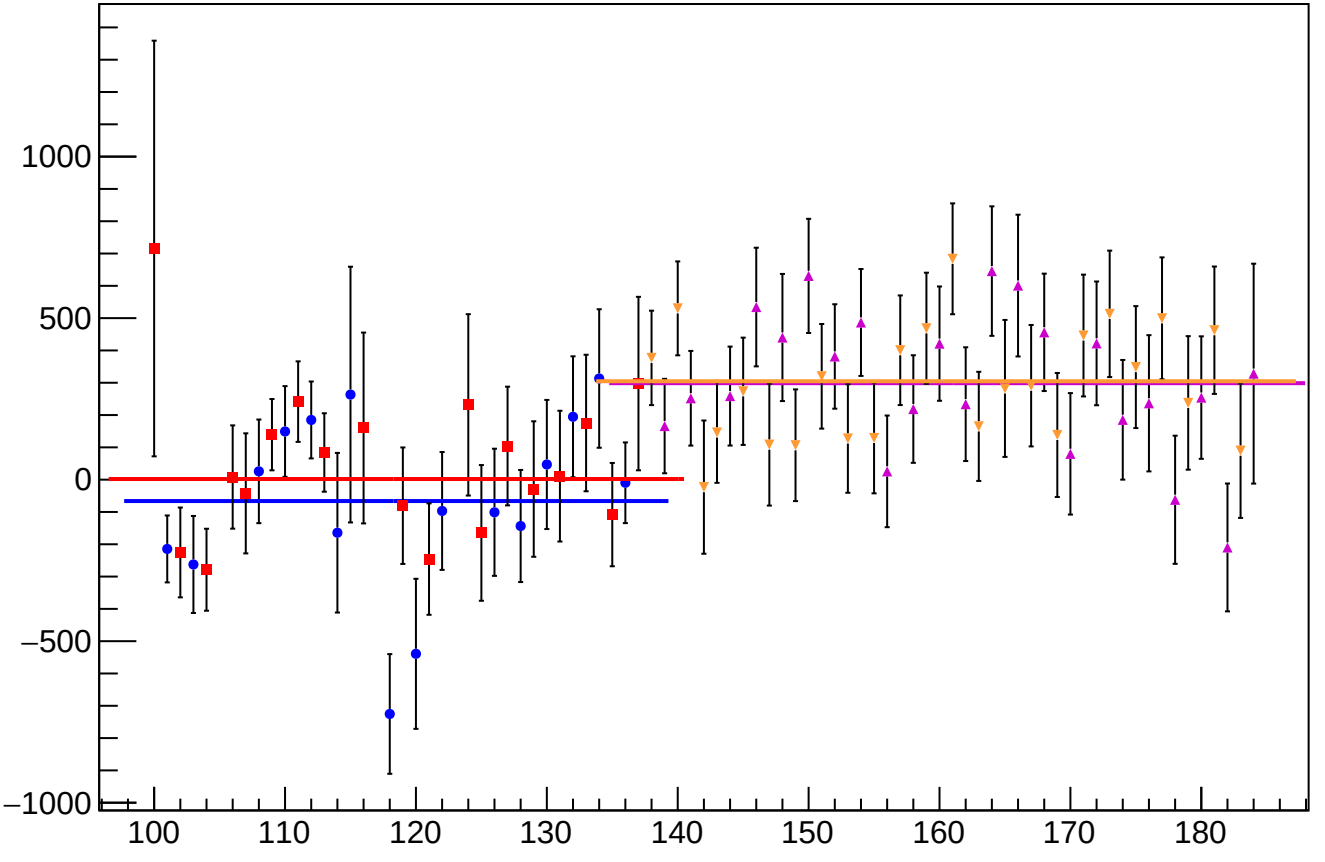
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1195412.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:1313644.4/22
Left: 0.000+/-0.000 χ²/NDF: 2523664.0/46
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:2577484.1/38
Out: 0.000+/-0.000 χ²/NDF:3831214.8/42
All: 0.000+/-0.000 χ²/NDF: 6467395.4/81

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: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 301.794+/-26.130 χ^2/NDF: 52.4/46

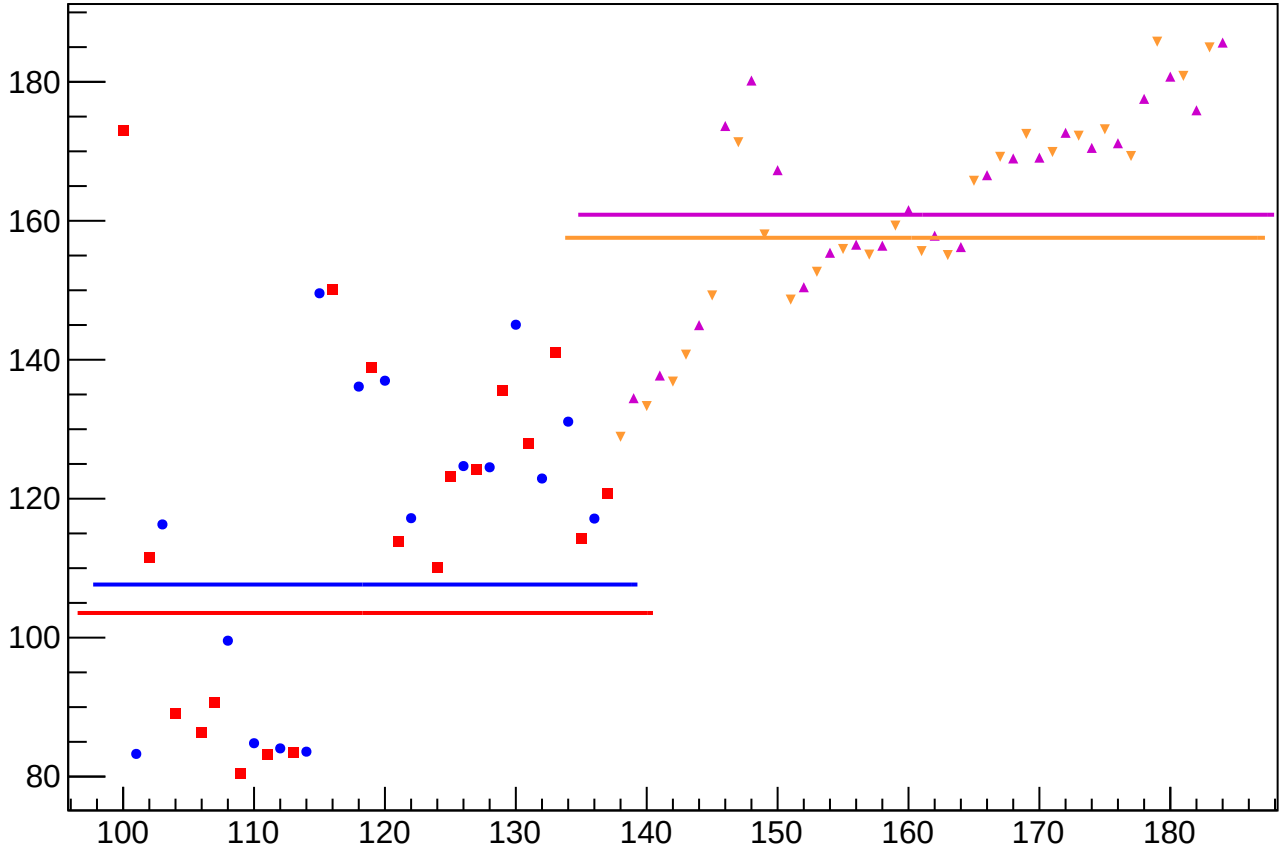
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 131.090+/-27.742 χ^2/NDF:106.8/38

Out: 163.971+/-26.500 χ^2/NDF:76.6/42

All: 148.283+/-19.163 χ^2/NDF: 184.1/81

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: 160.874+/-0.027 χ^2/NDF:268330.7/22

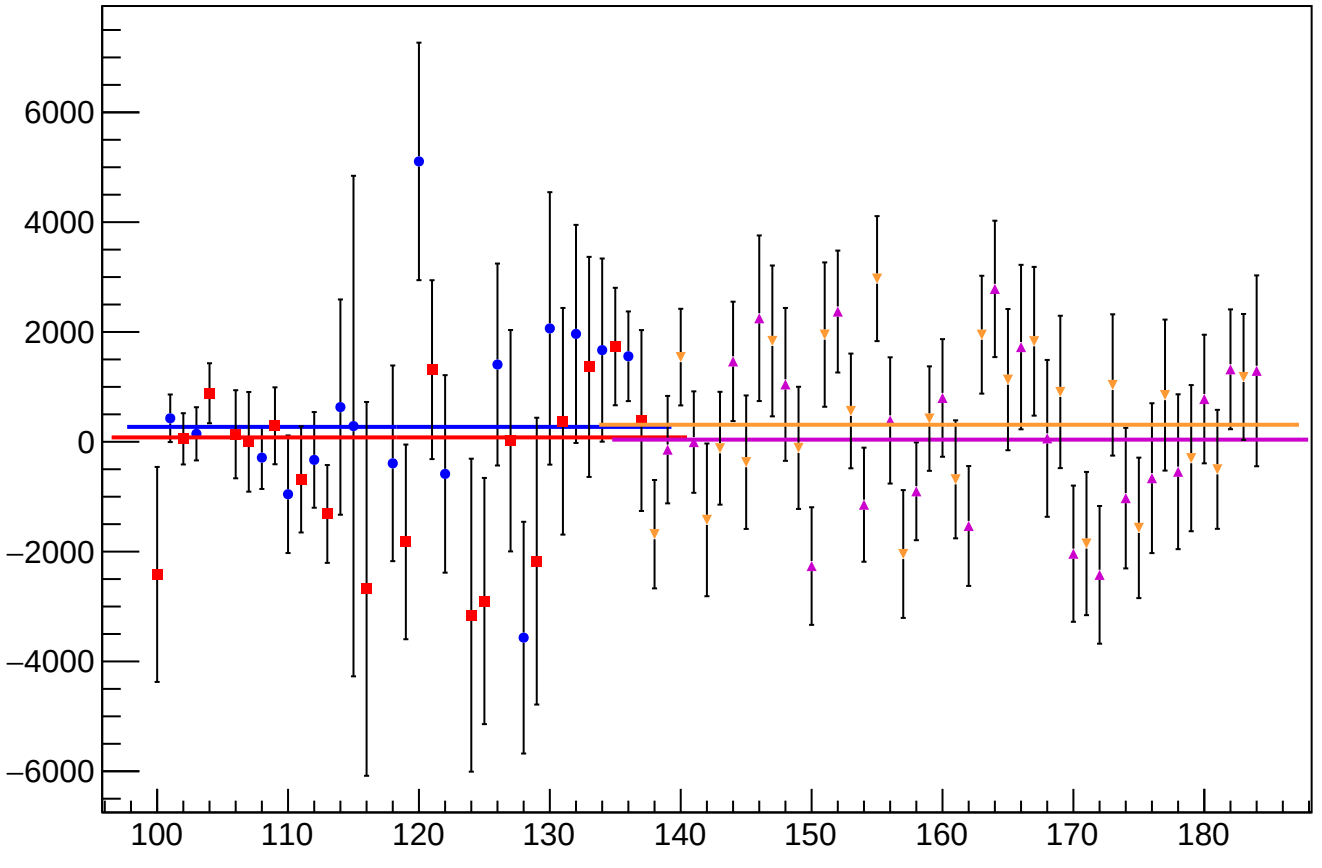
Left: 159.147+/-0.018 χ^2/NDF: 641088.2/46

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 136.428+/-0.020 χ^2/NDF:2629682.8/38

Out: 132.448+/-0.019 χ^2/NDF:3048348.4/42

All: 134.347+/-0.014 χ^2/NDF: 5699548.4/81



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: 39.197+/-244.156 χ^2/NDF:34.8/22

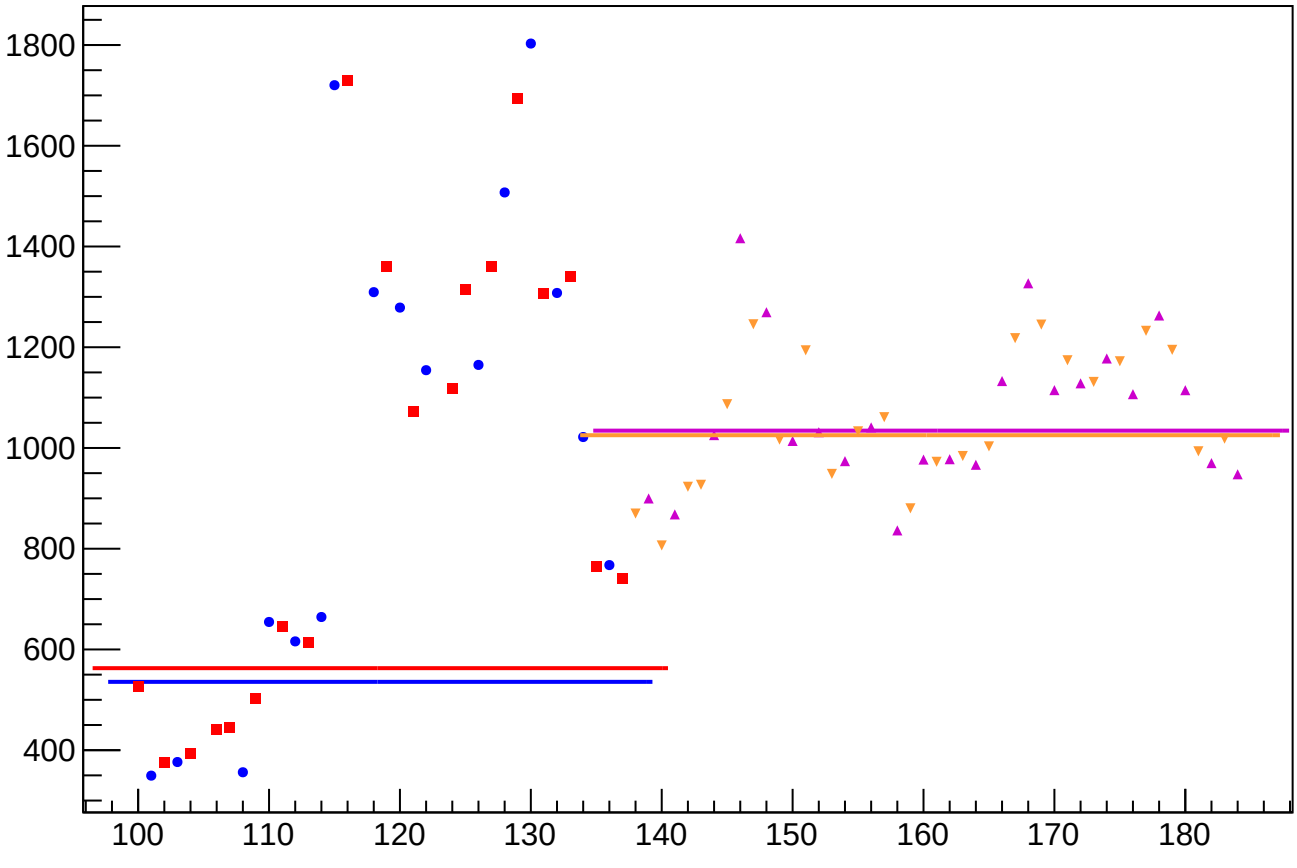
Left: 178.986+/-170.018 χ^2/NDF: 67.8/46

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 161.947+/-167.671 χ^2/NDF:51.7/38

Out: 193.010+/-165.808 χ^2/NDF:48.9/42

All: 177.652+/-117.897 χ^2/NDF: 100.7/81



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: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.742+/-0.120 χ^2/NDF: 1225893.6/46

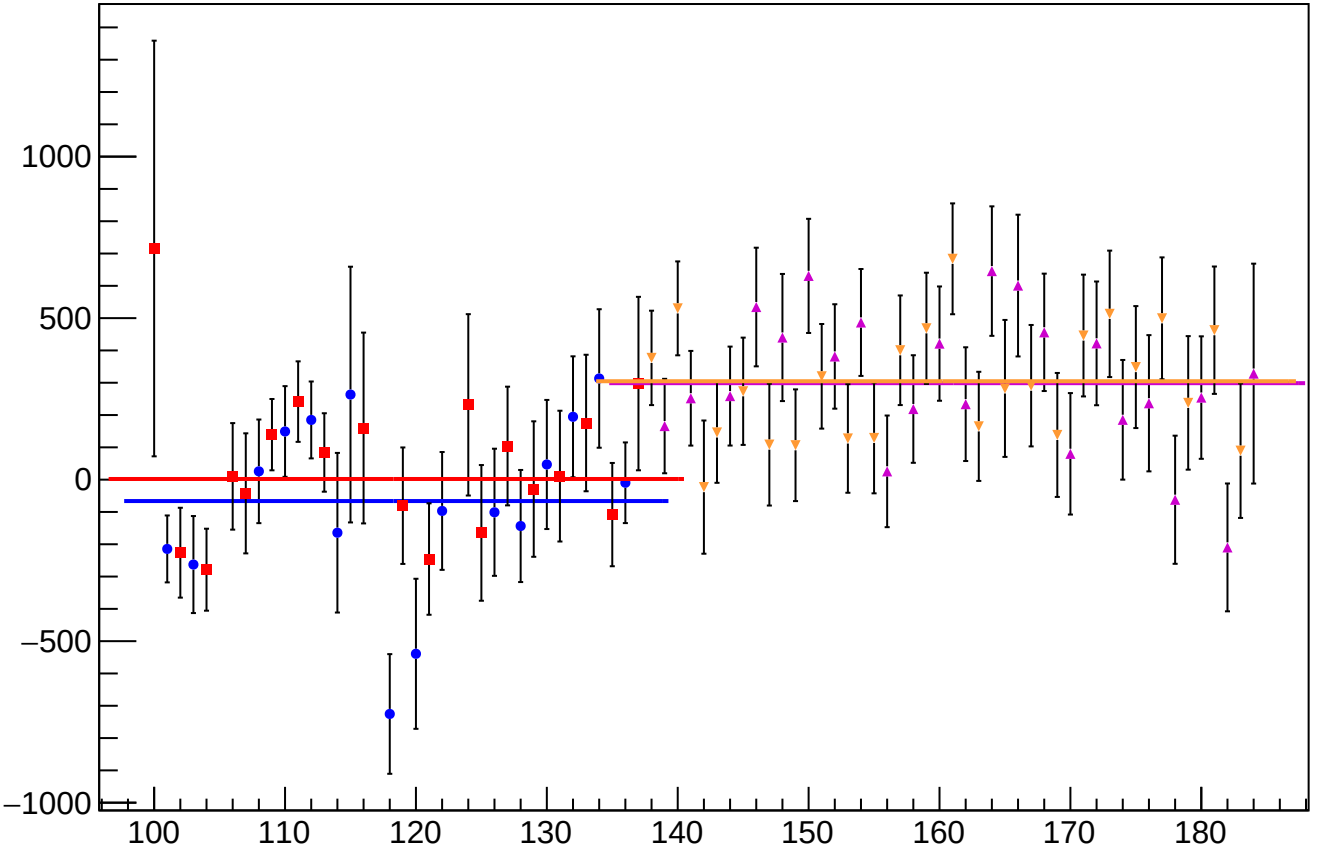
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 770.893+/-0.119 χ^2/NDF:8670577.2/38

Out: 789.416+/-0.117 χ^2/NDF:7595492.5/42

All: 780.258+/-0.083 χ^2/NDF: 16278409.7/81

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: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 301.797+/-26.130 χ^2/NDF: 52.4/46

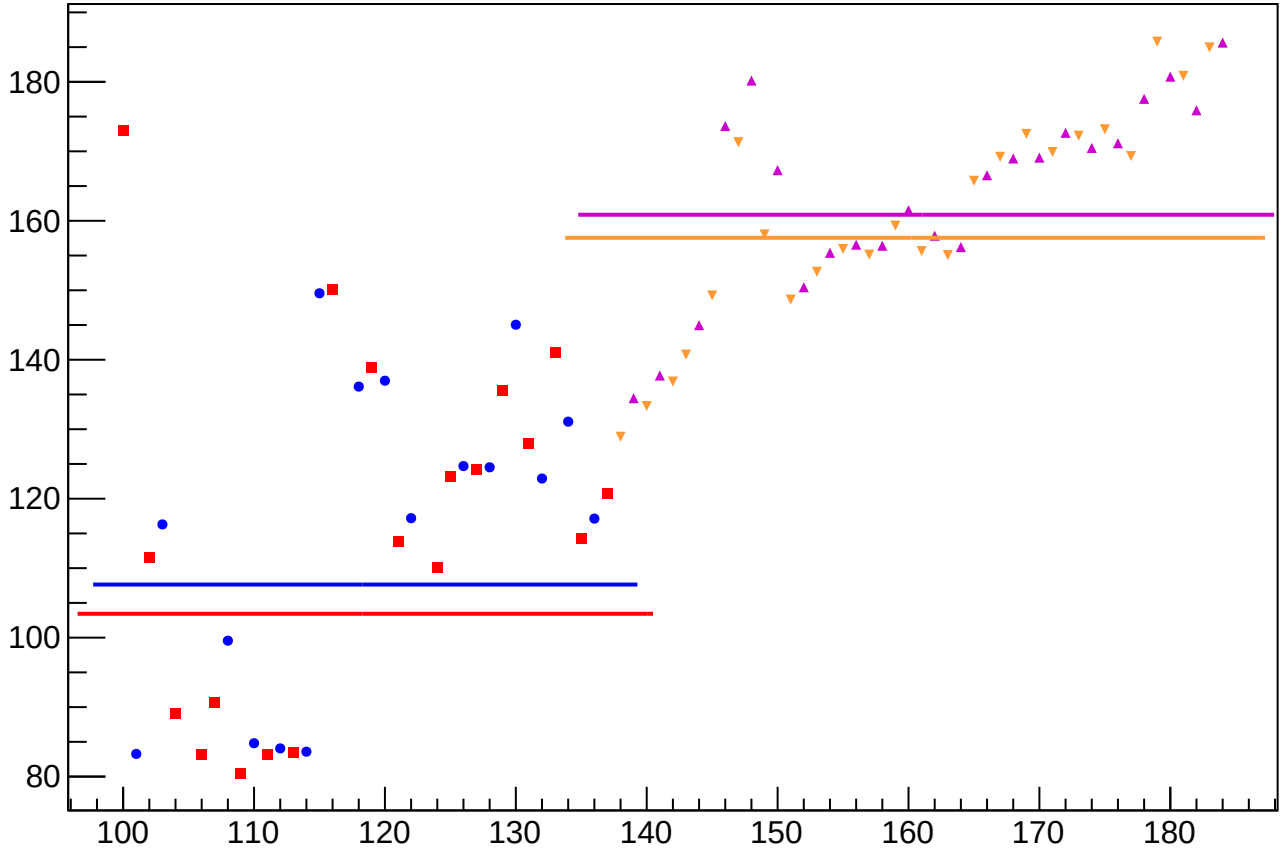
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 131.082+/-27.742 χ^2/NDF:106.8/38

Out: 164.263+/-26.522 χ^2/NDF:76.5/42

All: 148.418+/-19.171 χ^2/NDF: 184.1/81

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: 160.874+/-0.027 χ^2/NDF:268330.7/22

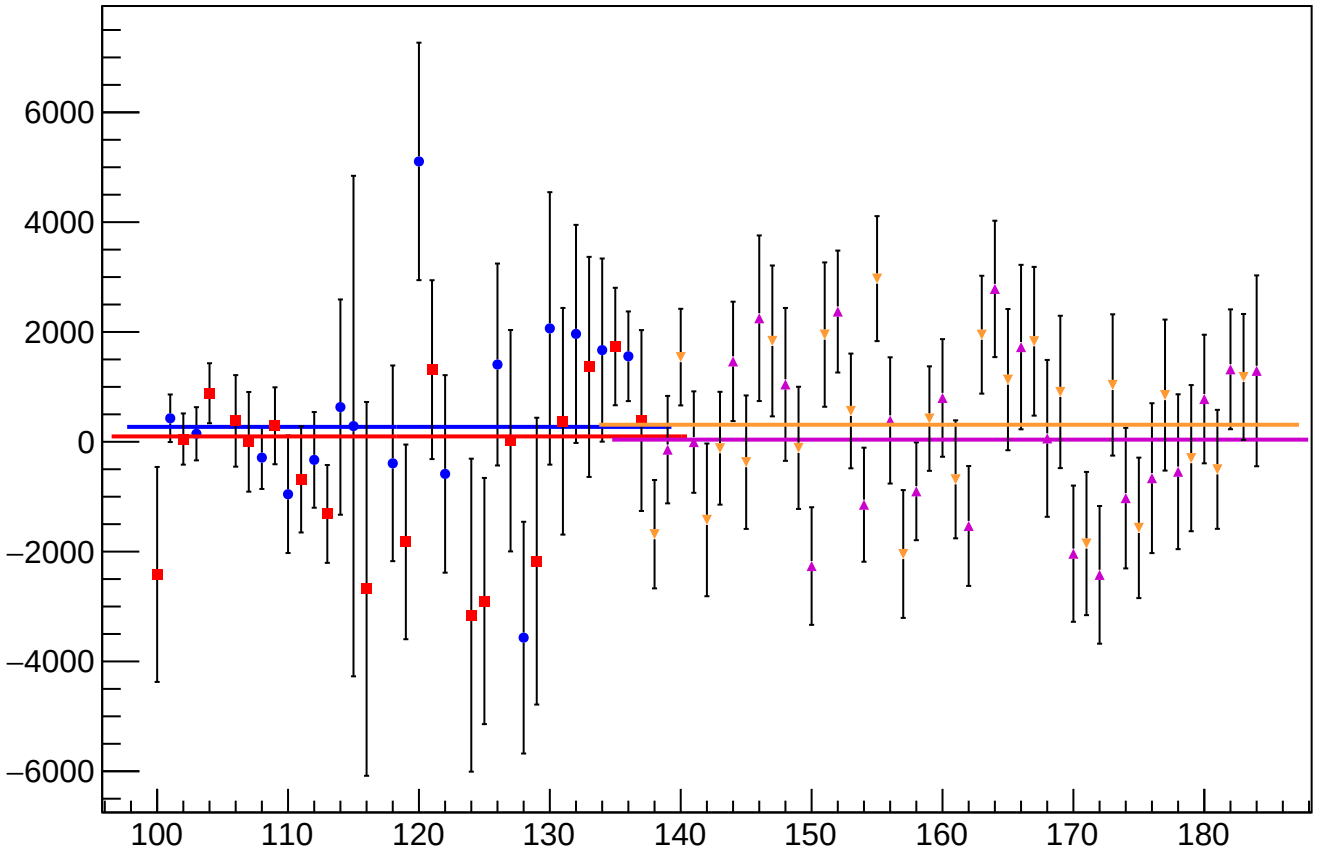
Left: 159.147+/-0.018 χ^2/NDF: 641088.2/46

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 136.428+/-0.020 χ^2/NDF:2629679.7/38

Out: 132.445+/-0.019 χ^2/NDF:3060333.6/42

All: 134.347+/-0.014 χ^2/NDF: 5711552.1/81



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: 39.198+/-244.156 χ^2/NDF:34.8/22

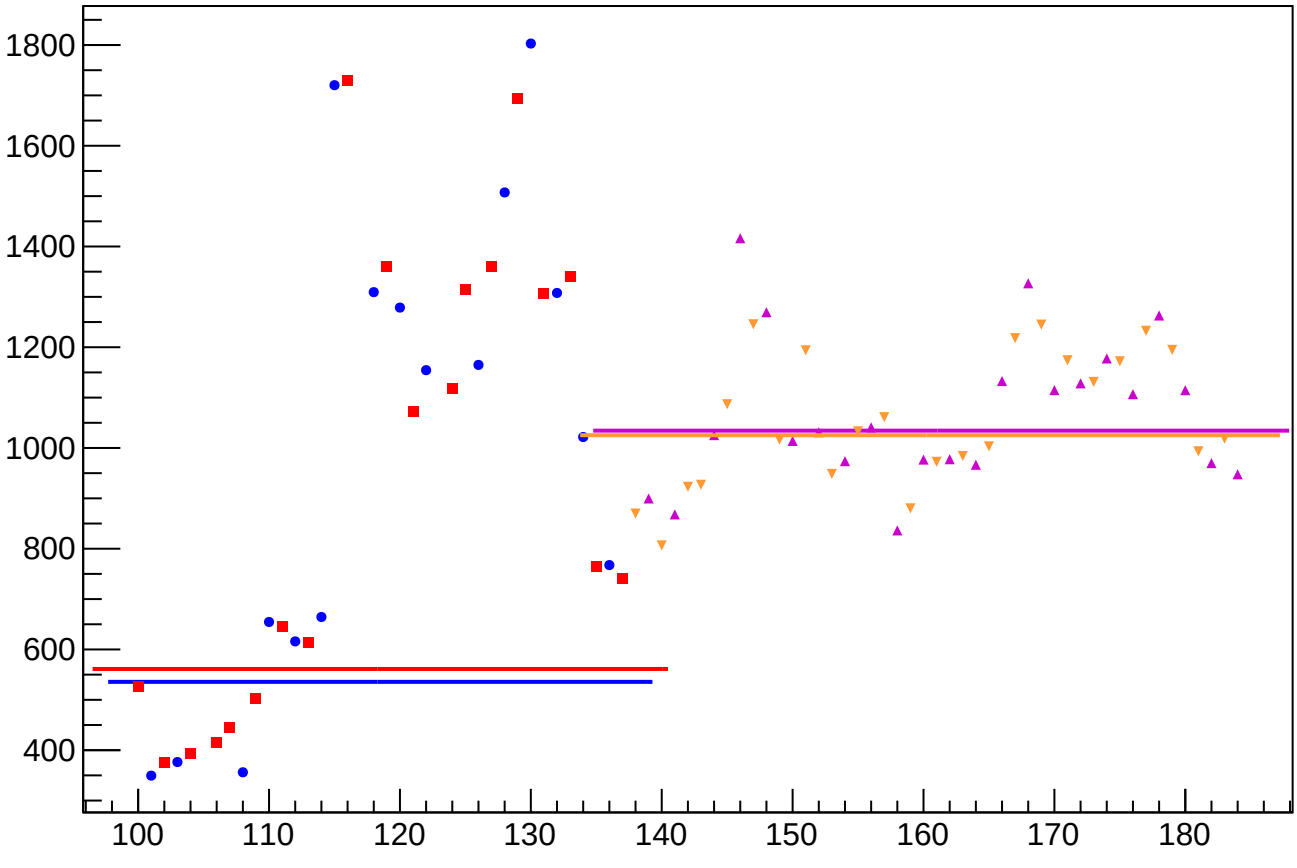
Left: 178.989+/-170.018 χ^2/NDF: 67.8/46

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 162.025+/-167.668 χ^2/NDF:51.7/38

Out: 202.354+/-166.036 χ^2/NDF:49.0/42

All: 182.387+/-117.978 χ^2/NDF: 100.7/81



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: 1034.428+/-0.173 χ^2/NDF:628474.5/22

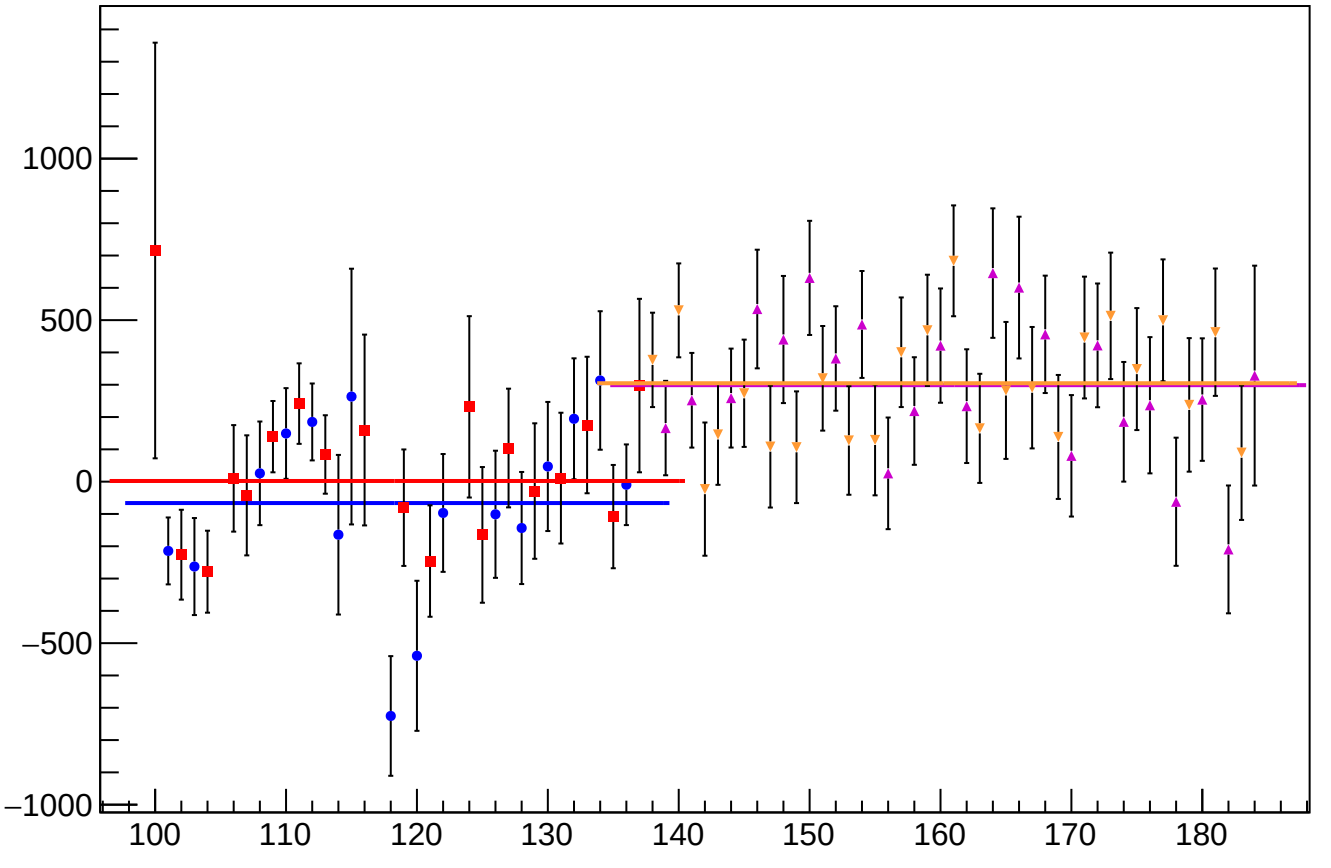
Left: 1029.742+/-0.120 χ^2/NDF: 1225890.3/46

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 770.874+/-0.119 χ^2/NDF:8671289.1/38

Out: 789.238+/-0.117 χ^2/NDF:7631416.4/42

All: 780.146+/-0.083 χ^2/NDF: 16314818.1/81



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: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 301.797+/-26.130 χ^2/NDF: 52.4/46

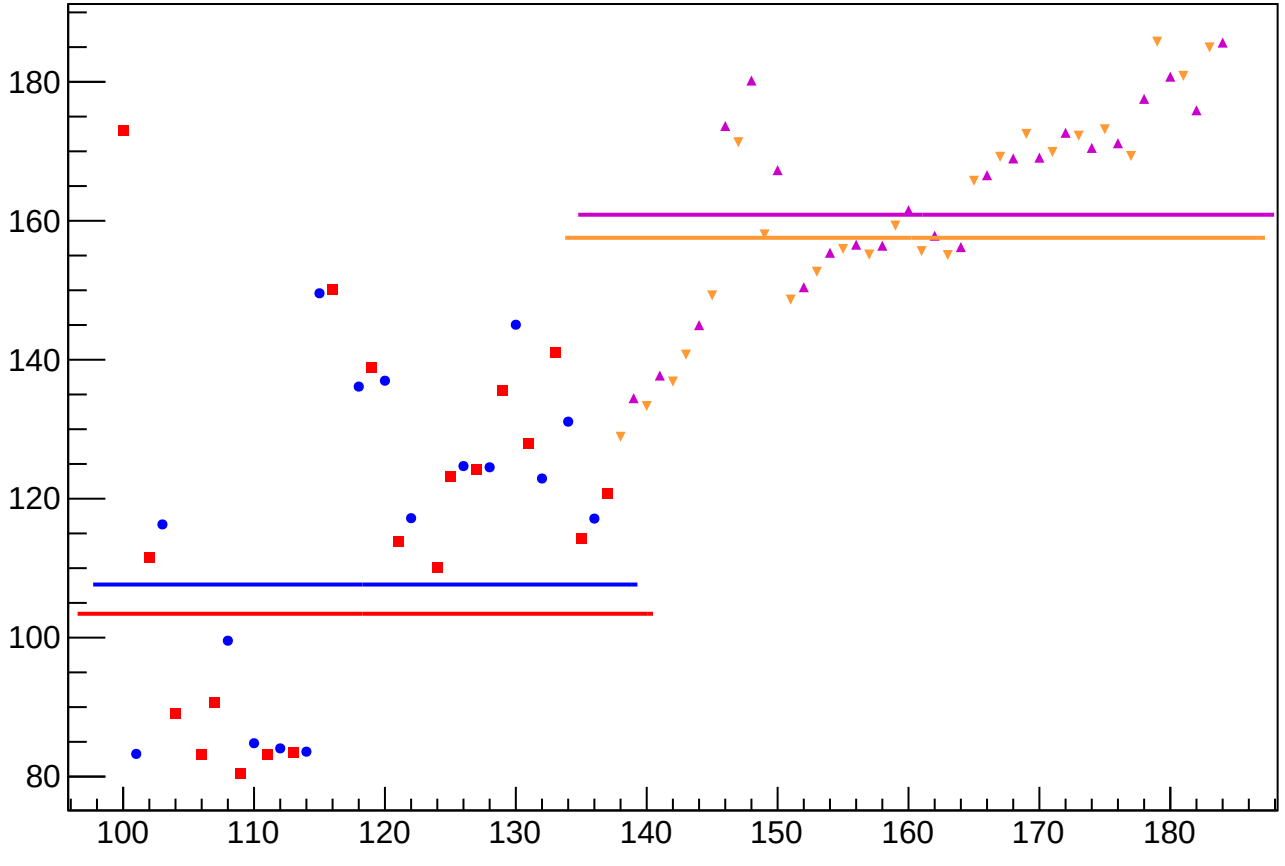
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 131.082+/-27.742 χ^2/NDF:106.8/38

Out: 164.263+/-26.522 χ^2/NDF:76.5/42

All: 148.418+/-19.171 χ^2/NDF: 184.1/81

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: 160.874+/-0.027 χ^2/NDF:268330.7/22

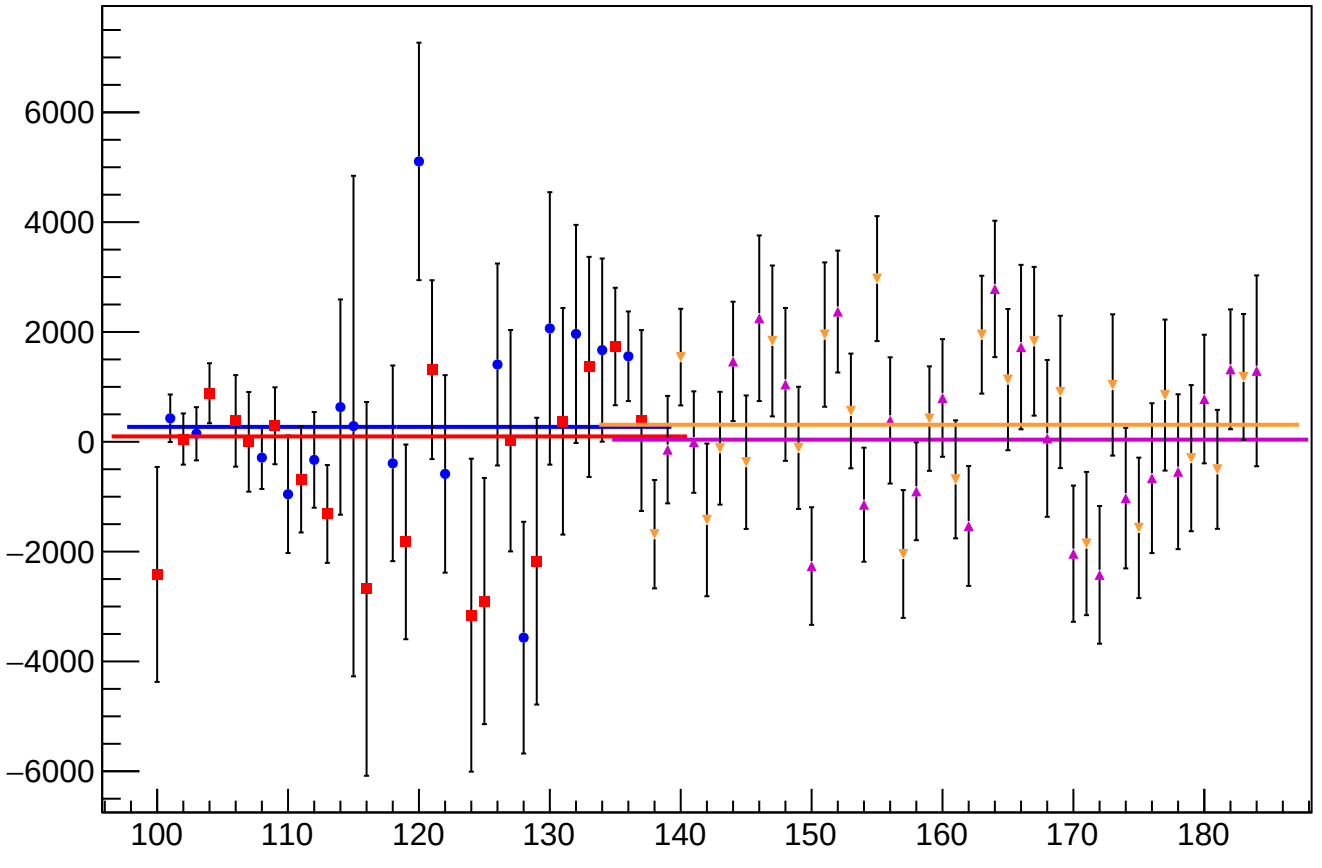
Left: 159.147+/-0.018 χ^2/NDF: 641088.2/46

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 136.428+/-0.020 χ^2/NDF:2629679.7/38

Out: 132.445+/-0.019 χ^2/NDF:3060333.6/42

All: 134.347+/-0.014 χ^2/NDF: 5711552.1/81



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: 39.198+/-244.156 χ^2/NDF:34.8/22

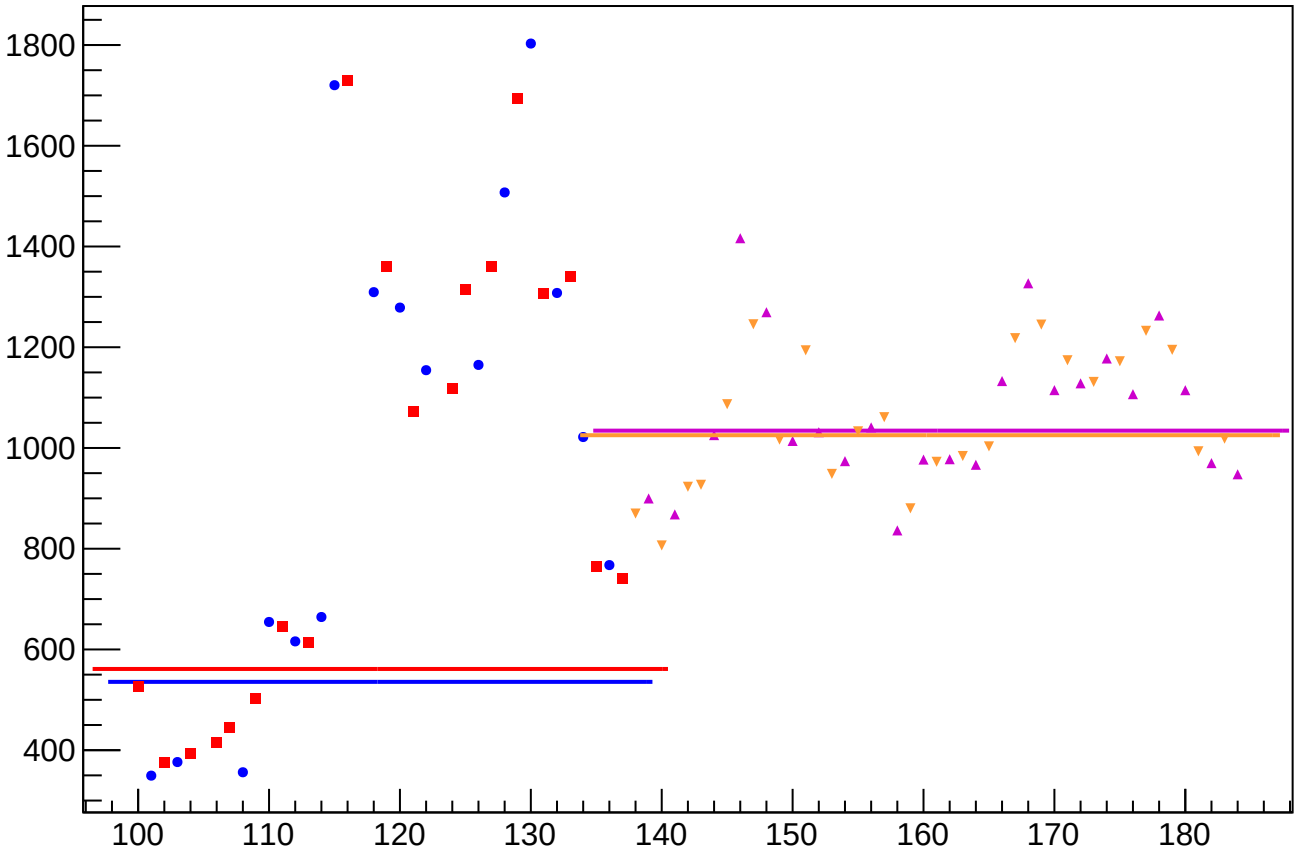
Left: 178.989+/-170.018 χ^2/NDF: 67.8/46

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 162.025+/-167.668 χ^2/NDF:51.7/38

Out: 202.354+/-166.036 χ^2/NDF:49.0/42

All: 182.387+/-117.978 χ^2/NDF: 100.7/81



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: 1034.428+/-0.173 χ^2/NDF:628474.5/22

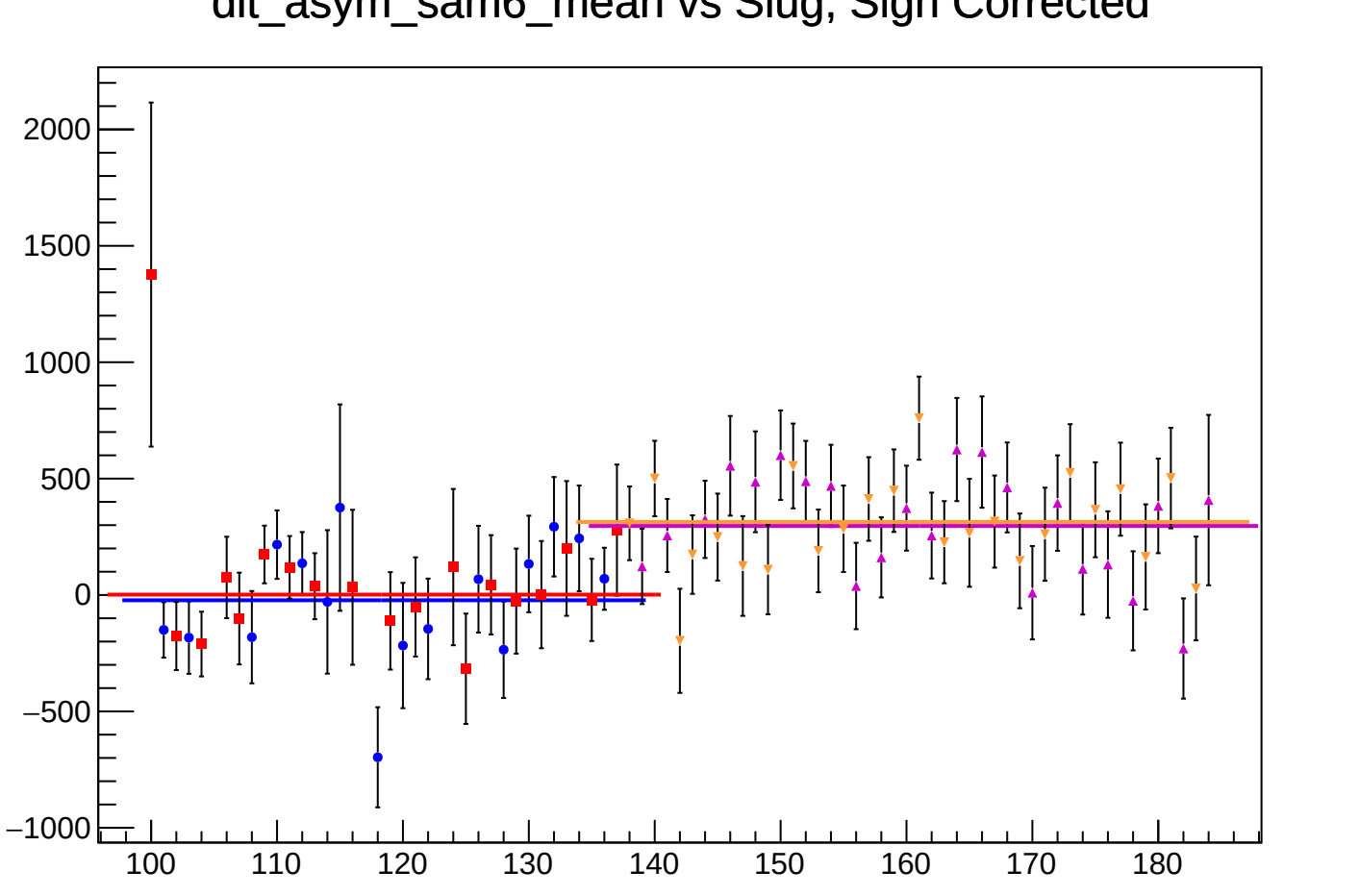
Left: 1029.742+/-0.120 χ^2/NDF: 1225890.3/46

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

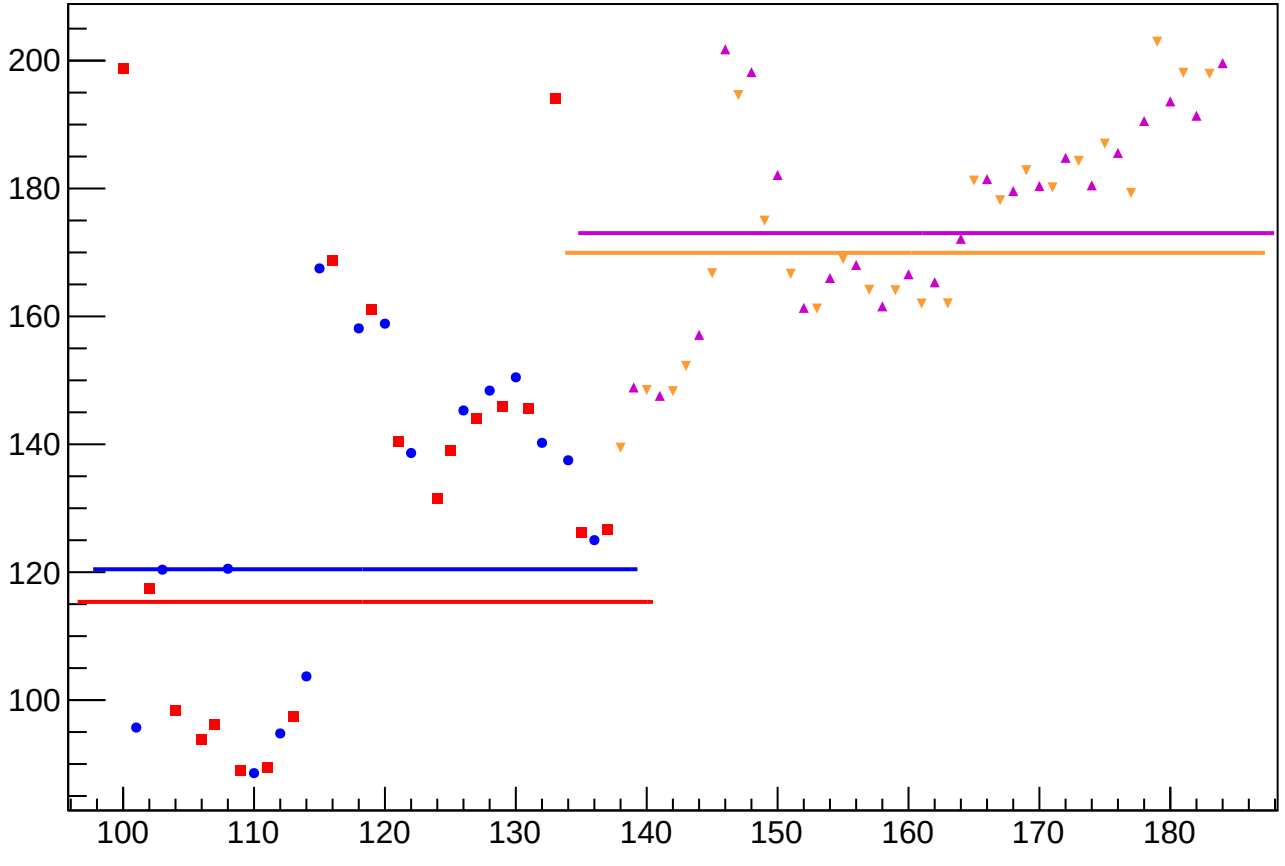
In: 770.874+/-0.119 χ^2/NDF:8671289.1/38

Out: 789.238+/-0.117 χ^2/NDF:7631416.4/42

All: 780.146+/-0.083 χ^2/NDF: 16314818.1/81


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: -22.678+/-45.908 χ²/NDF: 24.2/15
Left Out: 313.672+/-39.091 χ²/NDF:24.1/23
Right Out: 1.600+/-43.563 χ²/NDF: 14.3/18
Left In: 296.497+/-40.607 χ²/NDF:27.8/22
Left: 305.411+/-28.162 χ²/NDF: 52.0/46
Right: -9.903+/-31.600 χ²/NDF: 38.6/34
In: 156.395+/-30.416 χ²/NDF:79.1/38
Out: 174.473+/-29.094 χ²/NDF:66.8/42
All: 165.835+/-21.024 χ²/NDF: 146.1/81

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: 173.024+/-0.029 χ^2/NDF:293702.8/22

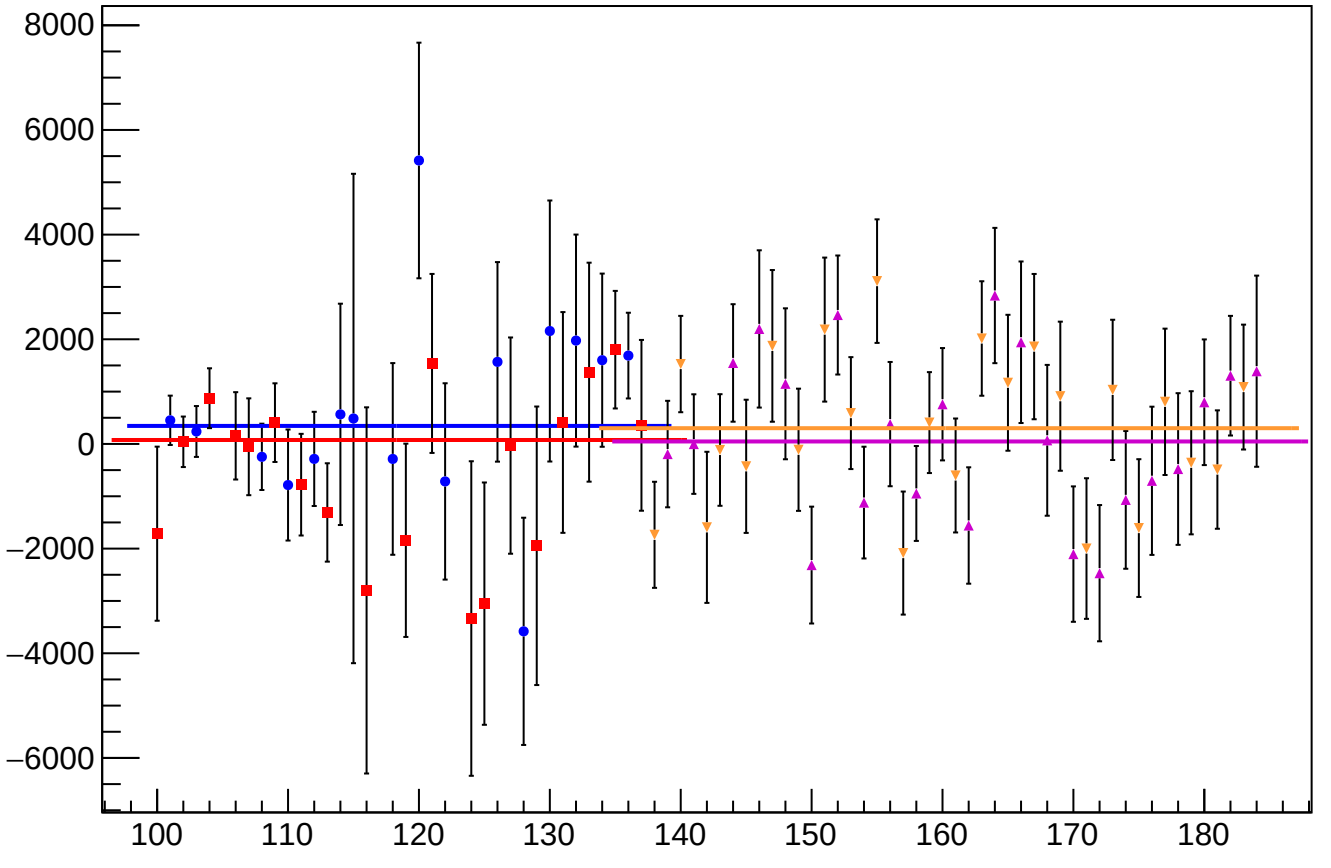
Left: 171.422+/-0.020 χ^2/NDF: 653587.3/46

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 149.950+/-0.022 χ^2/NDF:2295158.0/38

Out: 145.592+/-0.021 χ^2/NDF:2860267.6/42

All: 147.674+/-0.015 χ^2/NDF: 5176869.6/81



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: 47.231+/-251.252 χ^2/NDF:34.4/22

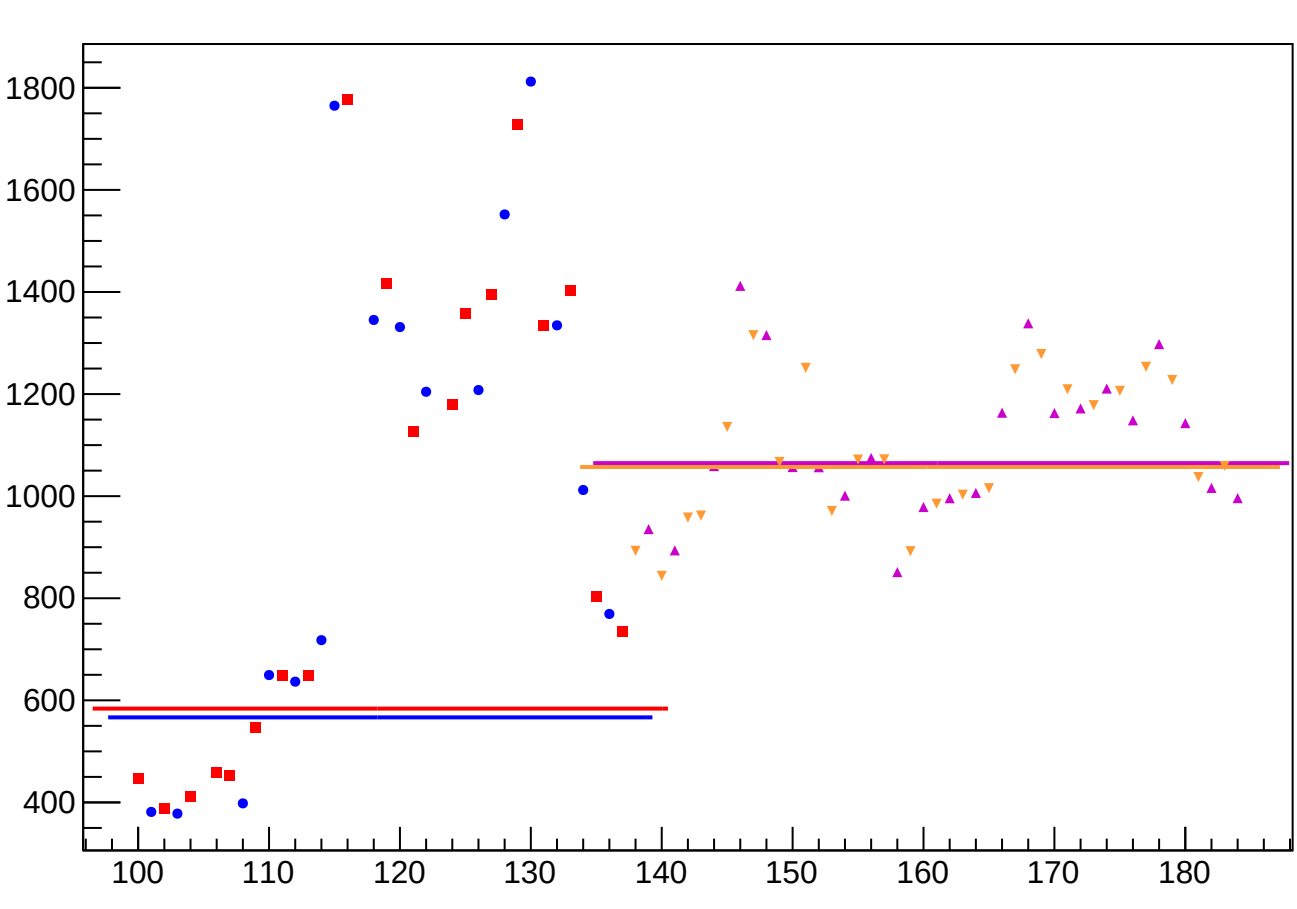
Left: 177.729+/-175.138 χ^2/NDF: 67.7/46

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 201.694+/-174.124 χ^2/NDF:51.4/38

Out: 186.490+/-171.366 χ^2/NDF:48.4/42

All: 193.971+/-122.137 χ^2/NDF: 99.8/81



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: 1064.691+/-0.178 χ^2/NDF:611055.8/22

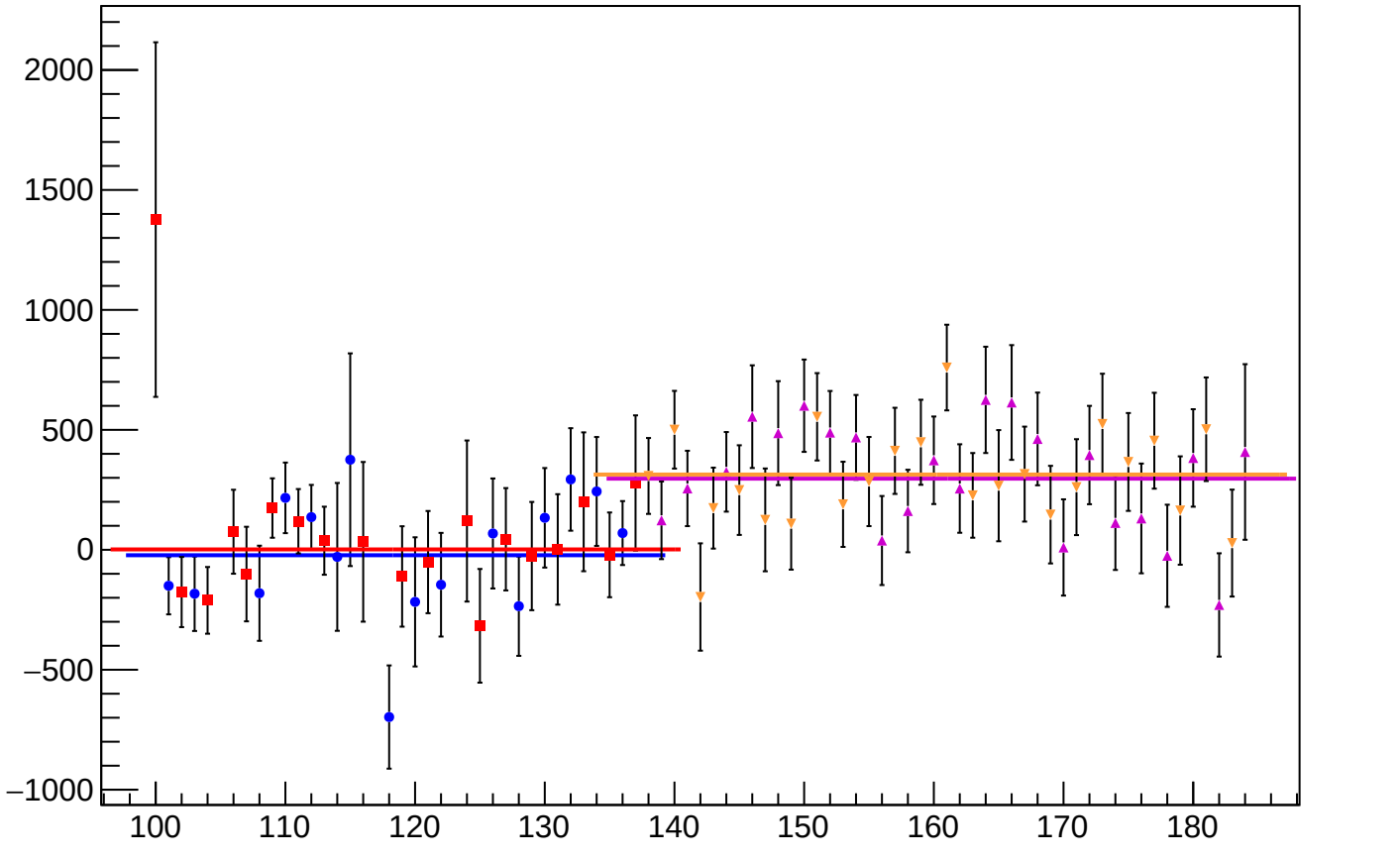
Left: 1060.822+/-0.124 χ^2/NDF: 1221142.9/46

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 805.827+/-0.123 χ^2/NDF:8128483.9/38

Out: 816.786+/-0.121 χ^2/NDF:7530991.3/42

All: 811.394+/-0.086 χ^2/NDF: 15663499.7/81



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 313.673+/-39.090 χ^2/NDF:24.1/23

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 305.412+/-28.162 χ^2/NDF: 52.0/46

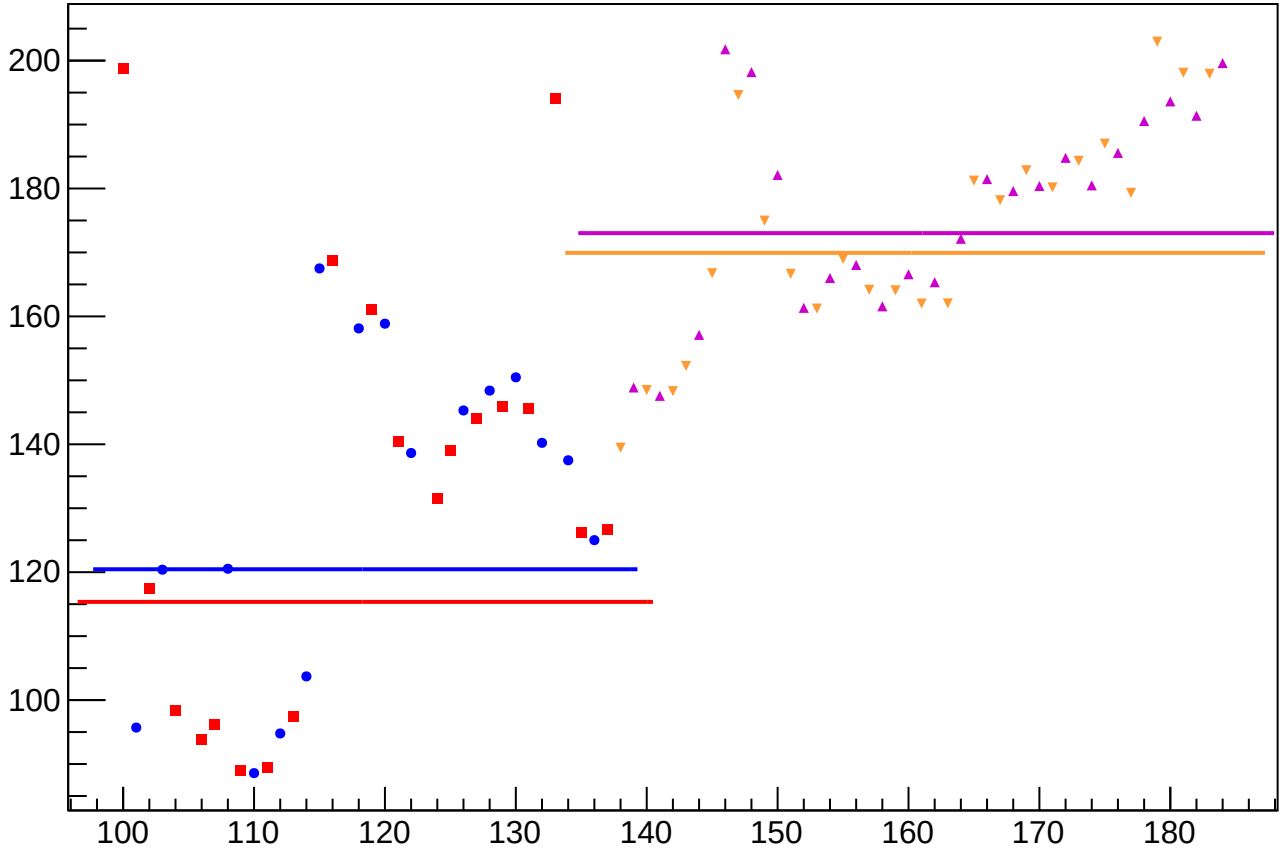
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 156.394+/-30.416 χ^2/NDF:79.1/38

Out: 174.474+/-29.094 χ^2/NDF:66.8/42

All: 165.836+/-21.024 χ^2/NDF: 146.1/81

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: 173.023+/-0.029 χ^2/NDF:293703.4/22

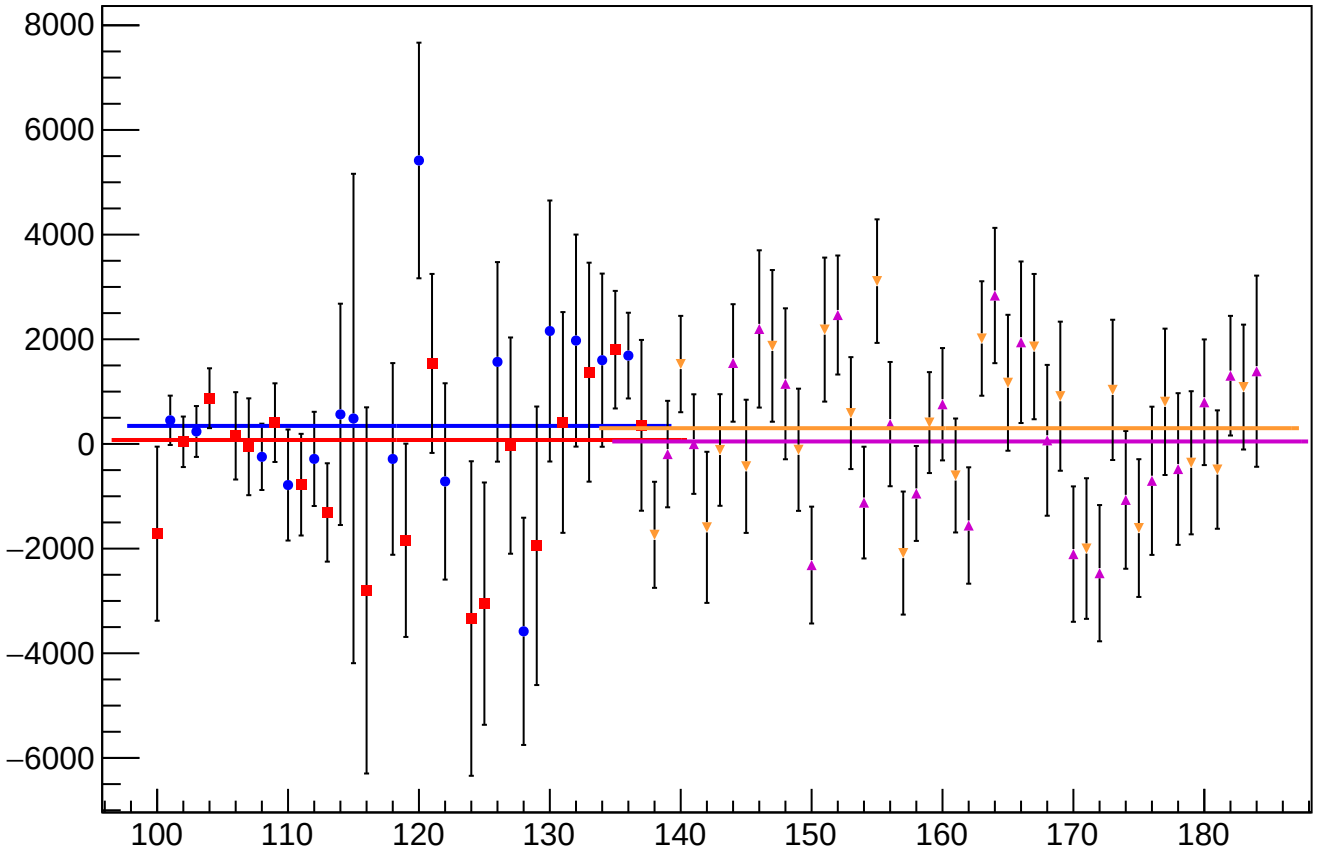
Left: 171.421+/-0.020 χ^2/NDF: 653588.6/46

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 149.950+/-0.022 χ^2/NDF:2295171.3/38

Out: 145.592+/-0.021 χ^2/NDF:2860272.1/42

All: 147.674+/-0.015 χ^2/NDF: 5176887.1/81



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 301.069+/-244.262 χ^2/NDF:32.7/23

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

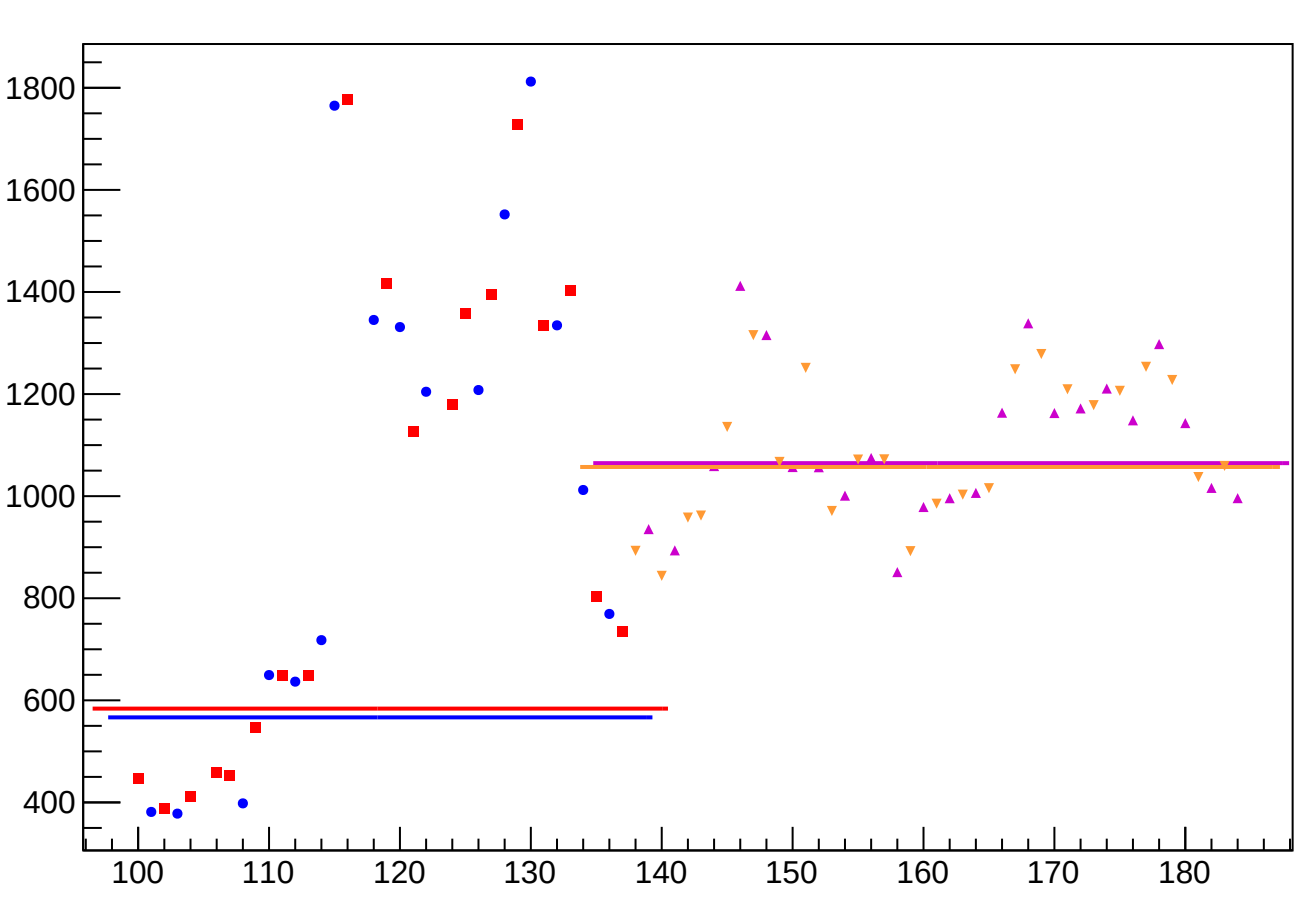
Left: 177.729+/-175.138 χ^2/NDF: 67.7/46

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 201.694+/-174.123 χ^2/NDF:51.4/38

Out: 186.491+/-171.366 χ^2/NDF:48.4/42

All: 193.971+/-122.137 χ^2/NDF: 99.8/81



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: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.822+/-0.124 χ^2/NDF: 1221151.5/46

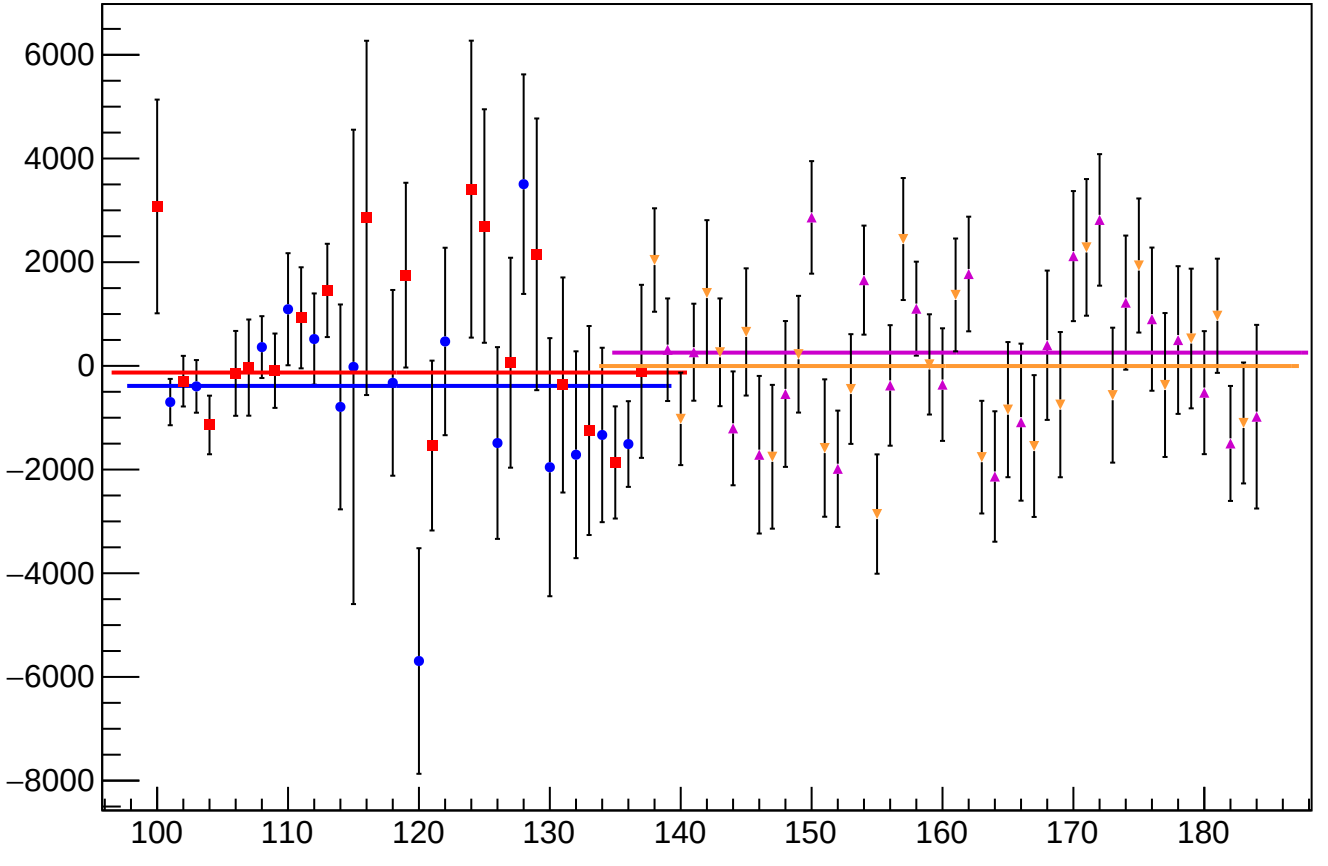
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 805.826+/-0.123 χ^2/NDF:8128508.2/38

Out: 816.785+/-0.121 χ^2/NDF:7531010.0/42

All: 811.393+/-0.086 χ^2/NDF: 15663542.9/81

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: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 122.187+/-172.115 χ^2/NDF: 68.2/46

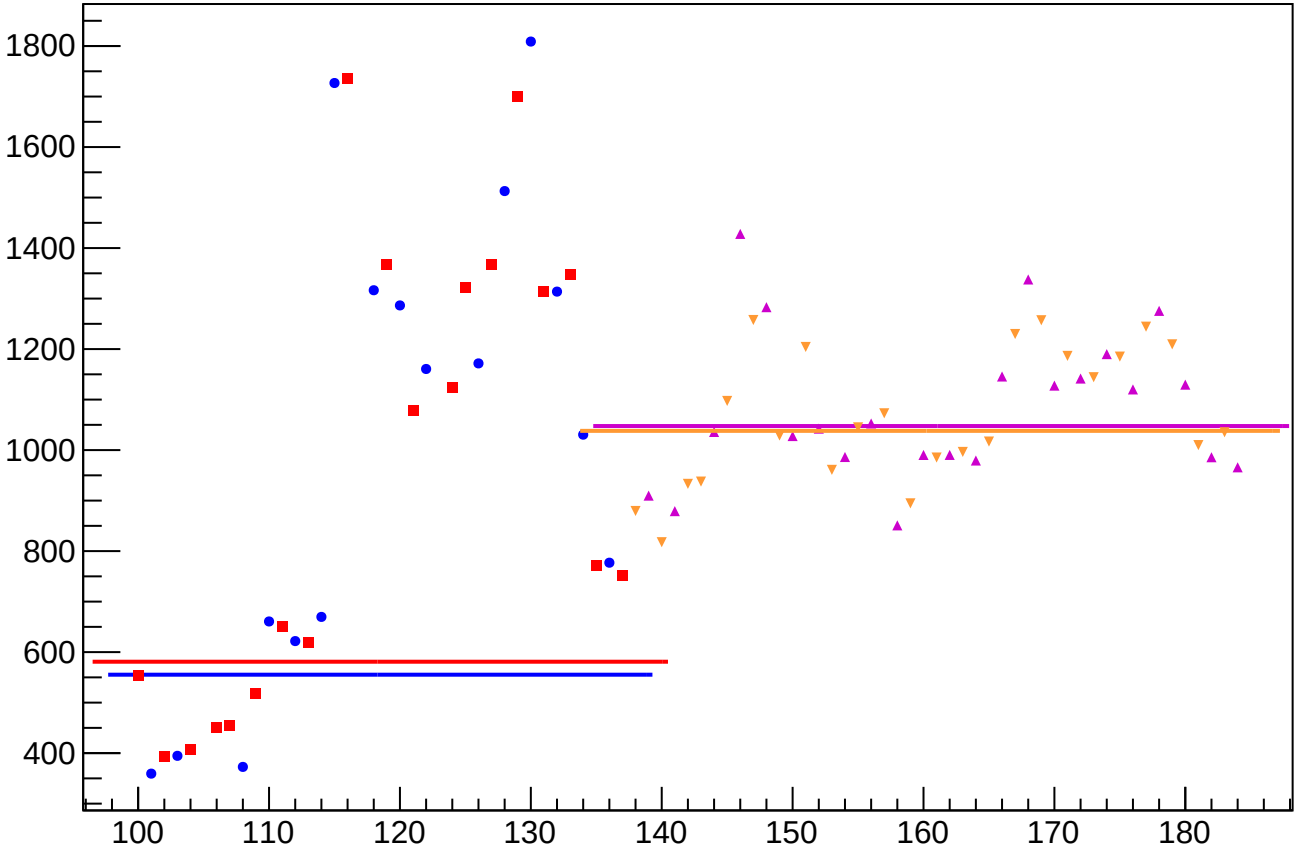
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -78.373+/-171.275 χ^2/NDF:55.0/38

Out: -66.269+/-169.004 χ^2/NDF:53.6/42

All: -72.240+/-120.298 χ^2/NDF: 108.6/81

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: 1047.629+/-0.175 χ^2/NDF:613357.0/22

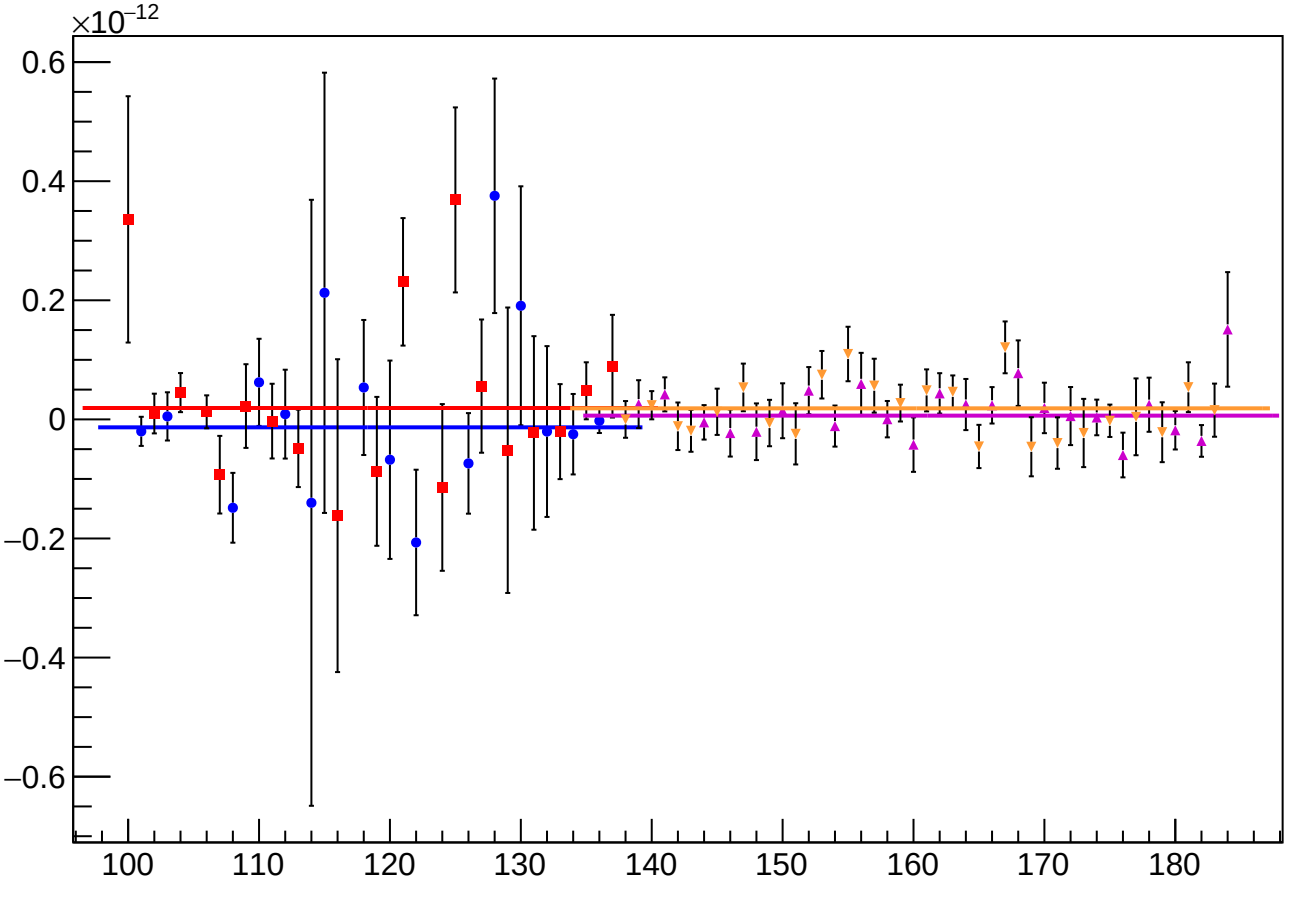
Left: 1042.706+/-0.122 χ^2/NDF: 1199107.1/46

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 791.635+/-0.121 χ^2/NDF:8220822.0/38

Out: 808.062+/-0.120 χ^2/NDF:7224912.5/42

All: 799.958+/-0.085 χ^2/NDF: 15455056.8/81



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:18.6/22

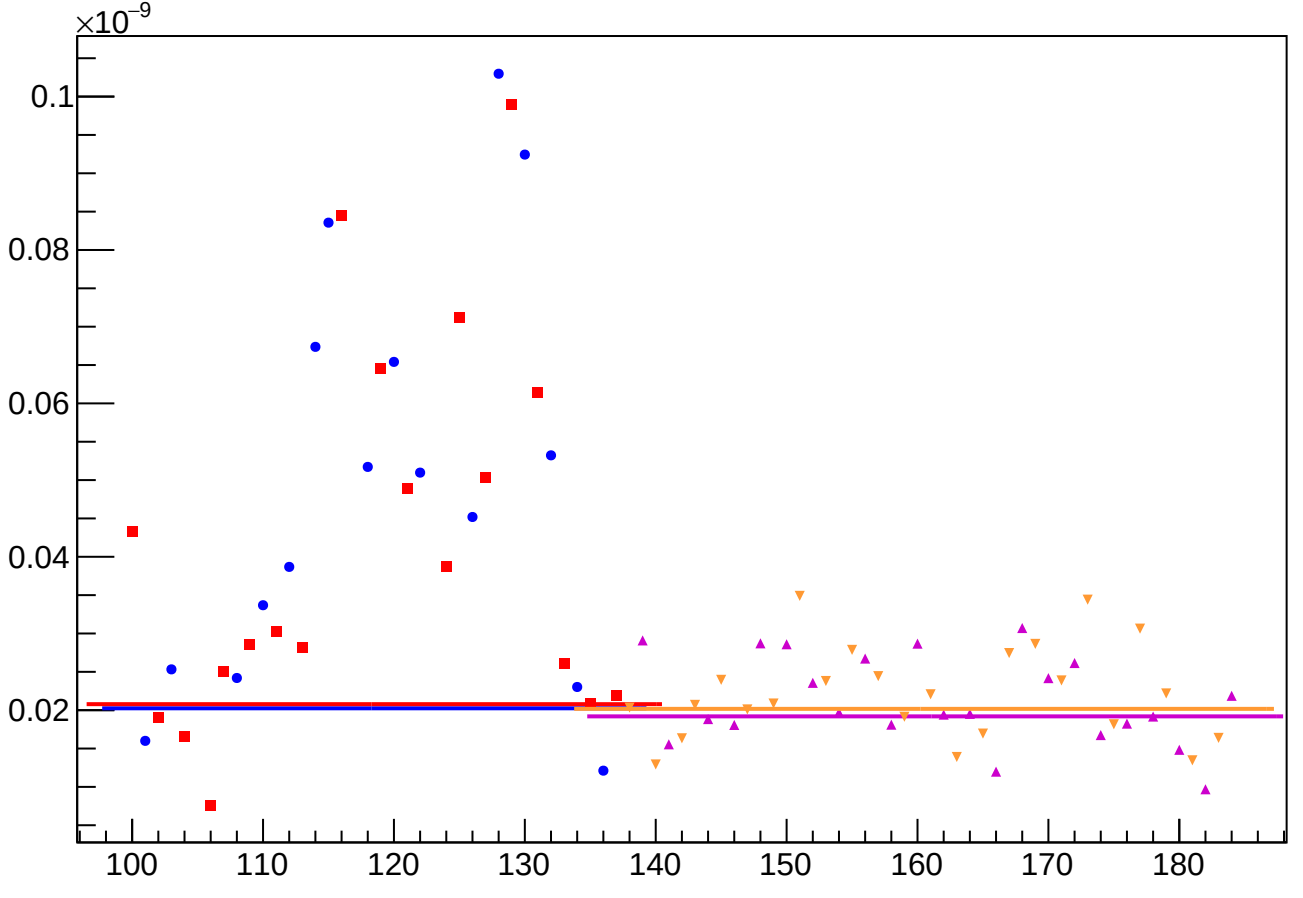
Left: 0.000+/-0.000 χ^2/NDF: 47.1/46

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:36.2/38

Out: 0.000+/-0.000 χ^2/NDF:47.1/42

All: 0.000+/-0.000 χ^2/NDF: 86.8/81



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:1048721.4/22

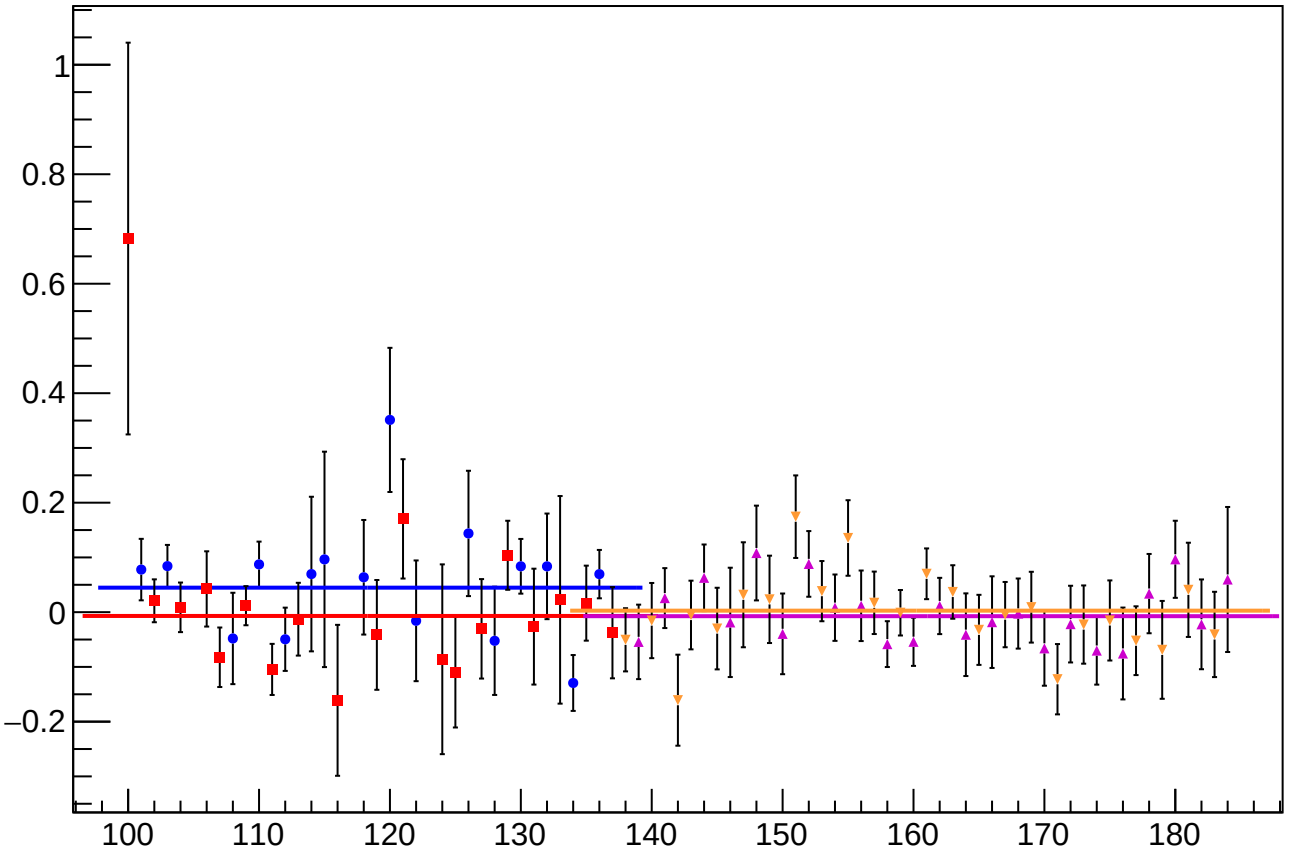
Left: 0.000+/-0.000 χ^2/NDF: 2058138.3/46

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:3063105.1/38

Out: 0.000+/-0.000 χ^2/NDF:2852228.8/42

All: 0.000+/-0.000 χ^2/NDF: 5931265.8/81



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: -0.007+/-0.014 χ^2/NDF:15.1/22

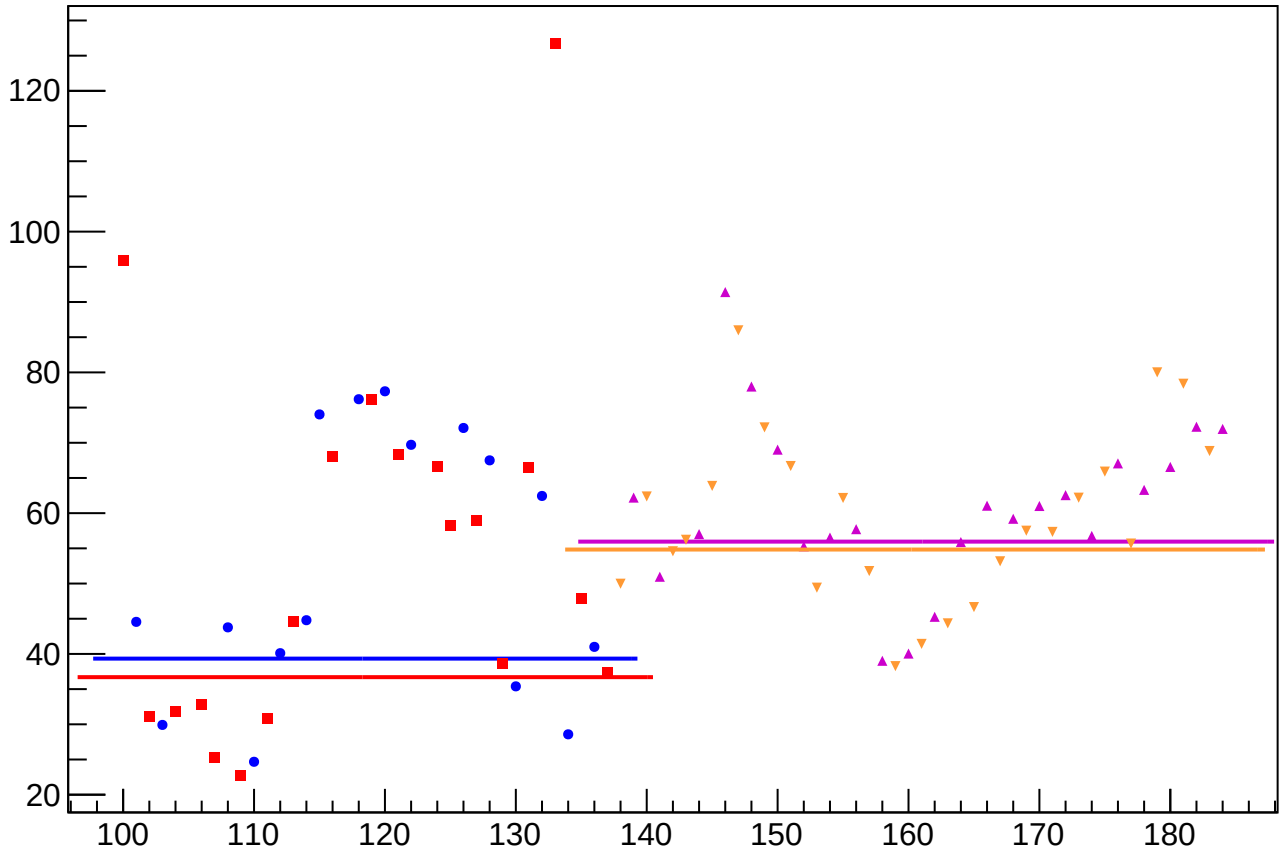
Left: -0.002+/-0.009 χ^2/NDF: 38.7/46

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.010 χ^2/NDF:47.9/38

Out: -0.001+/-0.010 χ^2/NDF:43.7/42

All: 0.006+/-0.007 χ^2/NDF: 92.8/81



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: 55.956+/-0.010 χ^2/NDF:1406142.1/22

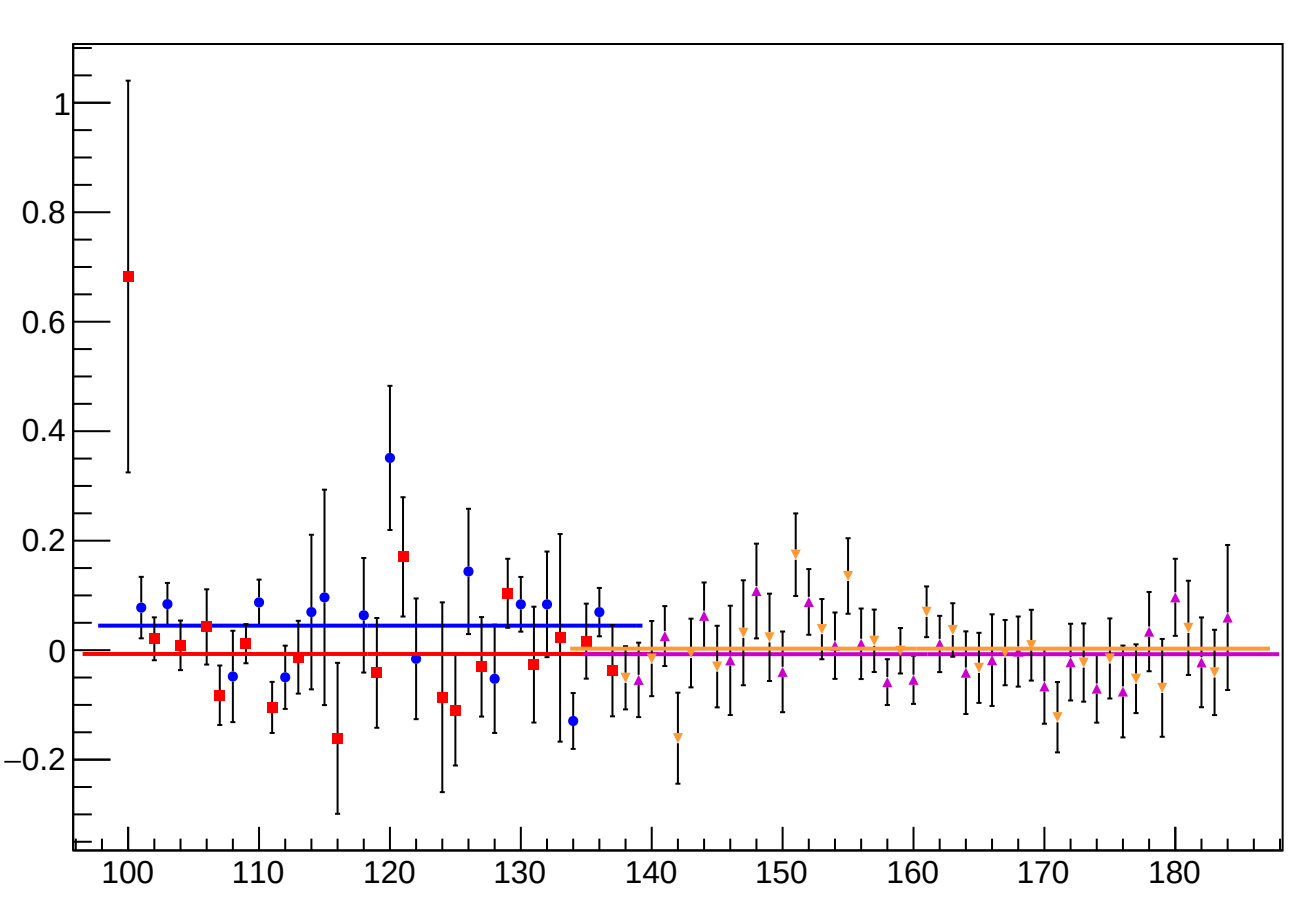
Left: 55.372+/-0.007 χ^2/NDF: 2943568.0/46

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 49.044+/-0.007 χ^2/NDF:4230057.2/38

Out: 47.116+/-0.007 χ^2/NDF:5281193.9/42

All: 48.035+/-0.005 χ^2/NDF: 9547711.6/81



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: -0.007+/-0.014 χ^2/NDF:15.1/22

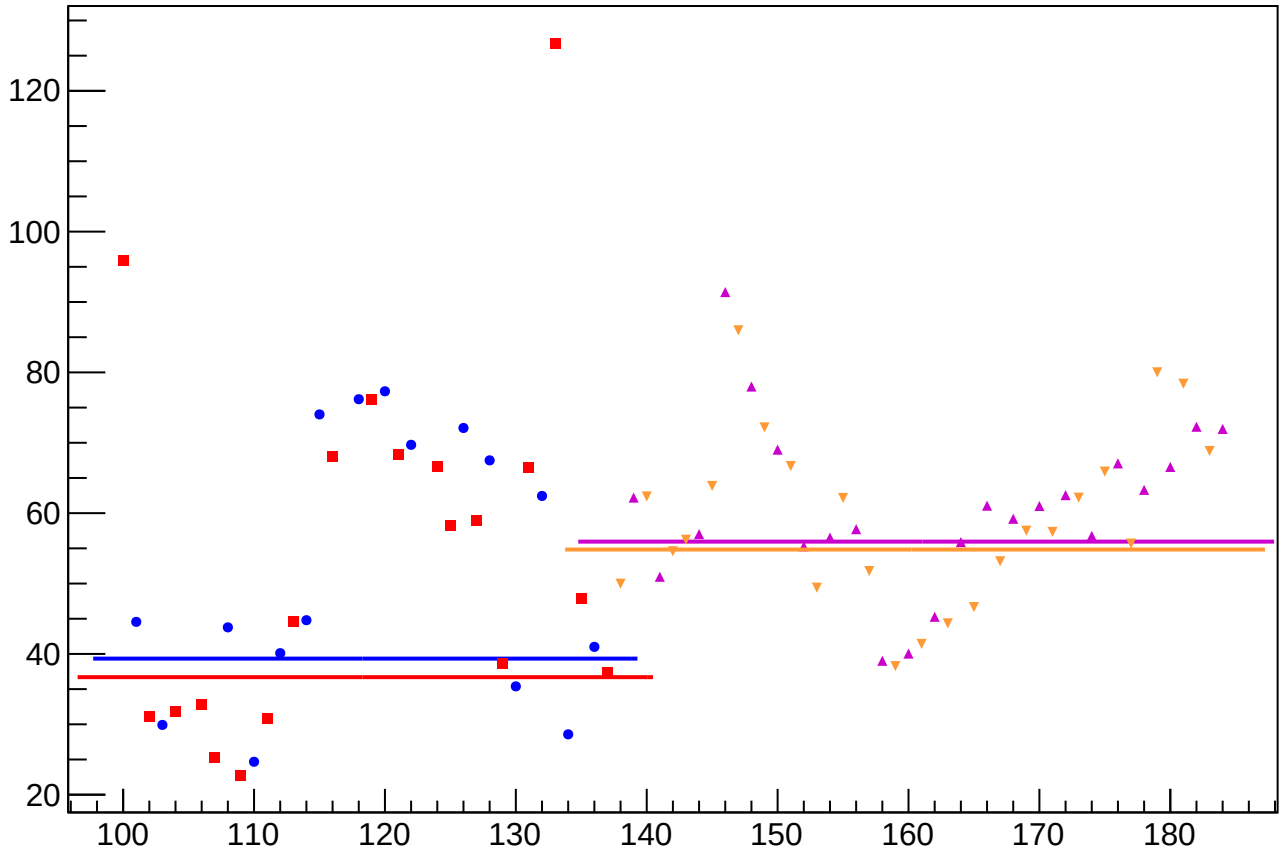
Left: -0.002+/-0.009 χ^2/NDF: 38.7/46

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.010 χ^2/NDF:47.9/38

Out: -0.001+/-0.010 χ^2/NDF:43.7/42

All: 0.006+/-0.007 χ^2/NDF: 92.8/81



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: 55.956+/-0.010 χ^2/NDF:1406142.1/22

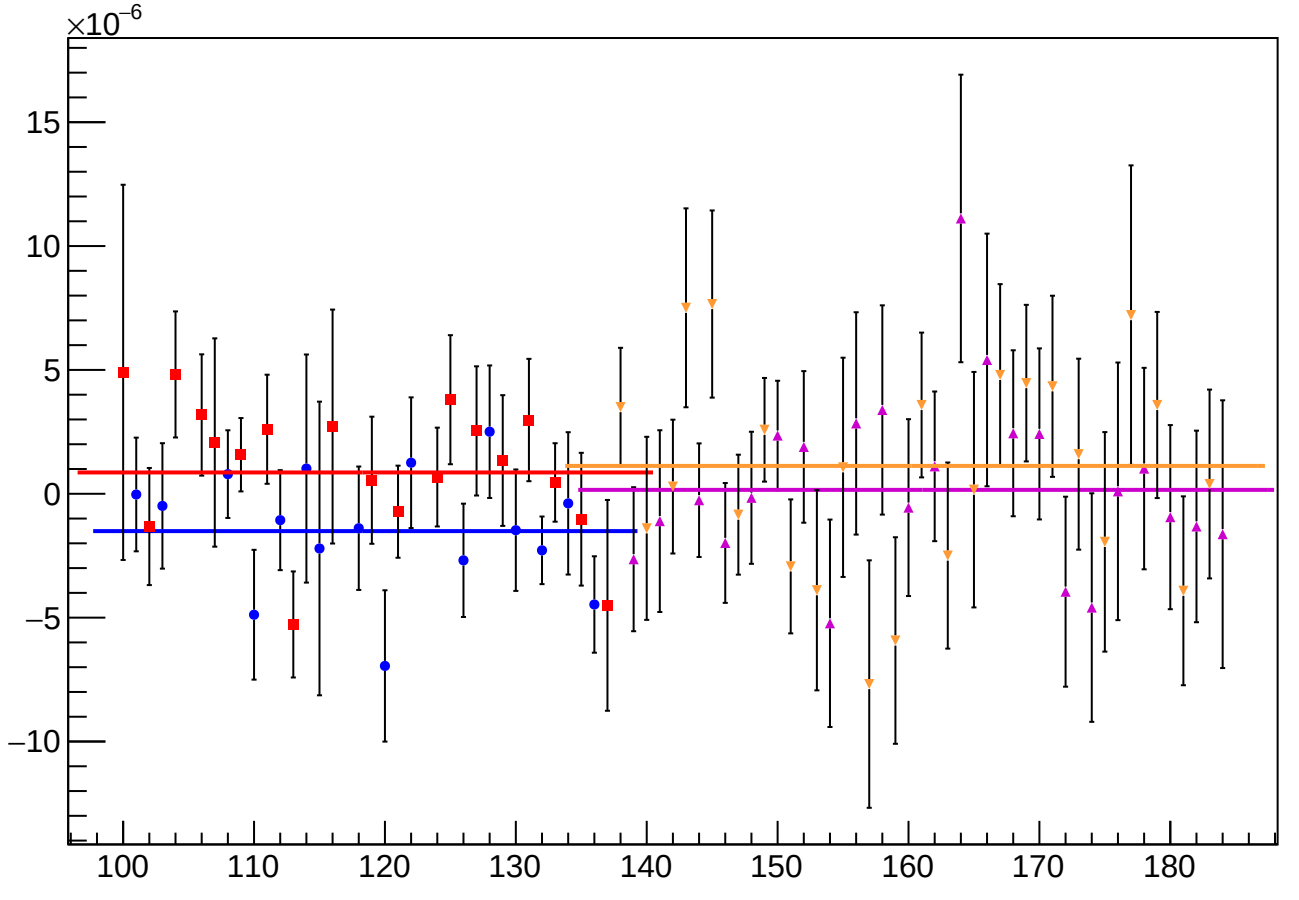
Left: 55.372+/-0.007 χ^2/NDF: 2943568.0/46

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 49.044+/-0.007 χ^2/NDF:4230057.2/38

Out: 47.116+/-0.007 χ^2/NDF:5281193.9/42

All: 48.035+/-0.005 χ^2/NDF: 9547711.6/81



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:14.0/22

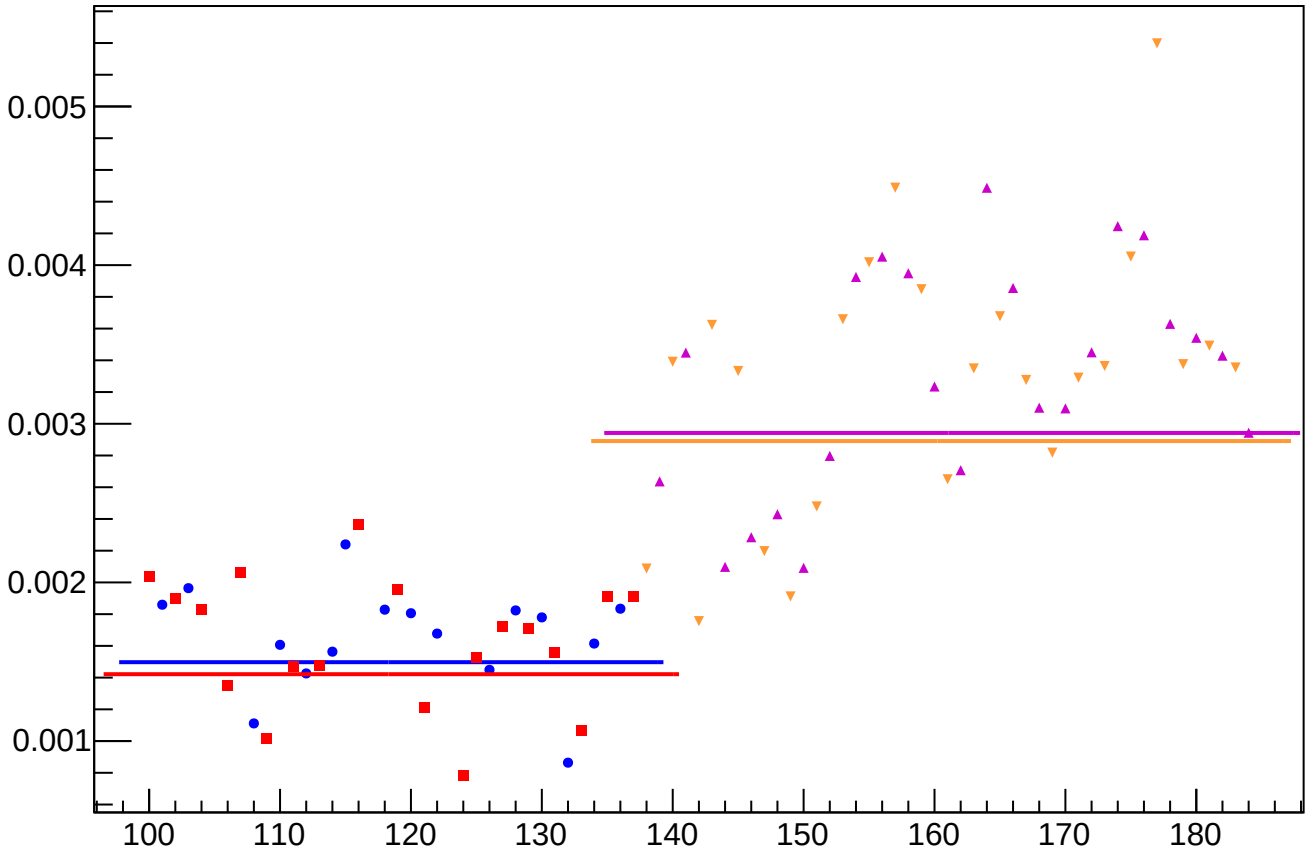
Left: 0.000+/-0.000 χ^2/NDF: 41.2/46

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:31.2/38

Out: 0.000+/-0.000 χ^2/NDF:45.5/42

All: 0.000+/-0.000 χ^2/NDF: 85.1/81



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:2638978.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

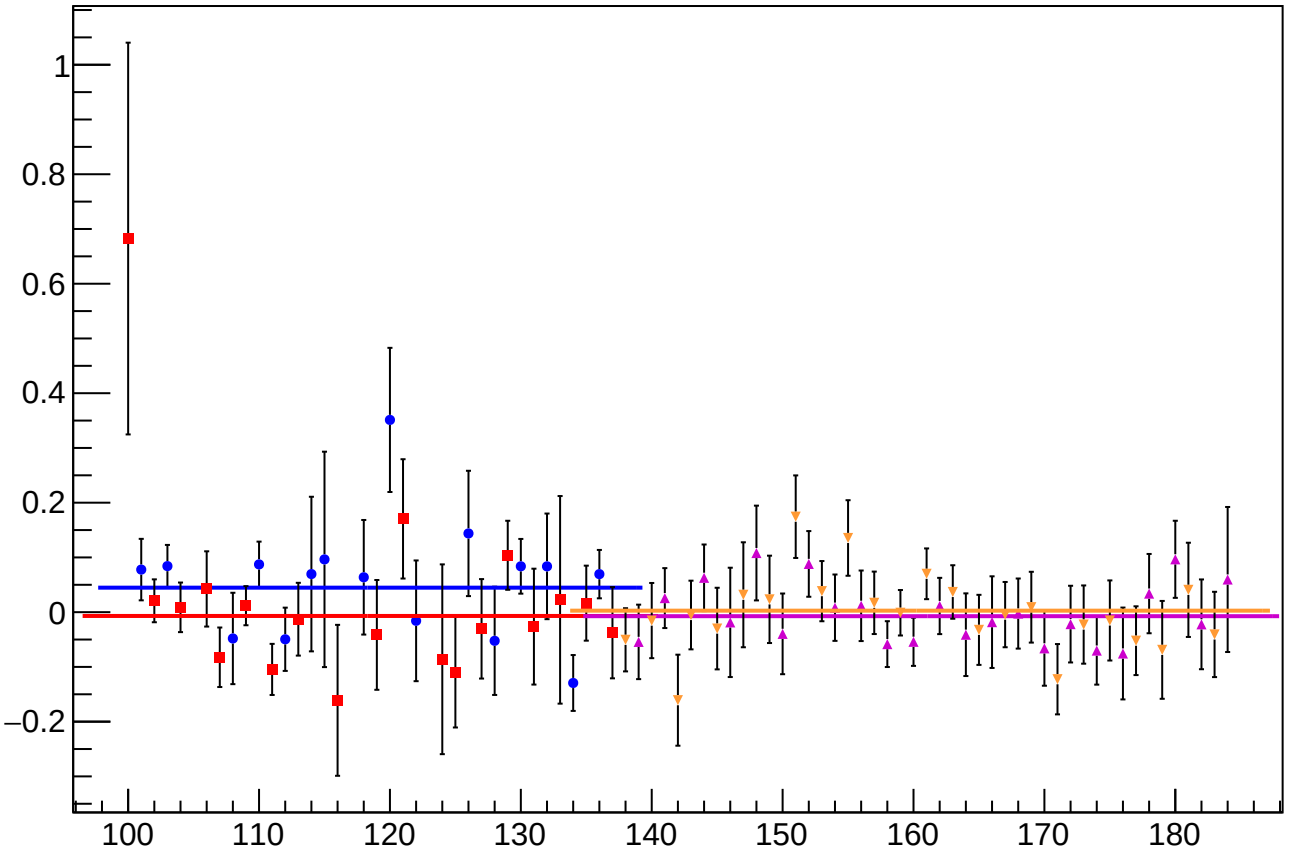
Left: 0.003+/-0.000 χ^2/NDF: 4534758.8/46

Right: 0.001+/-0.000 χ^2/NDF: 1883510.3/34

In: 0.002+/-0.000 χ^2/NDF:7719921.7/38

Out: 0.002+/-0.000 χ^2/NDF:9233981.7/42

All: 0.002+/-0.000 χ^2/NDF: 16998891.3/81



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: -0.007+/-0.014 χ^2/NDF:15.1/22

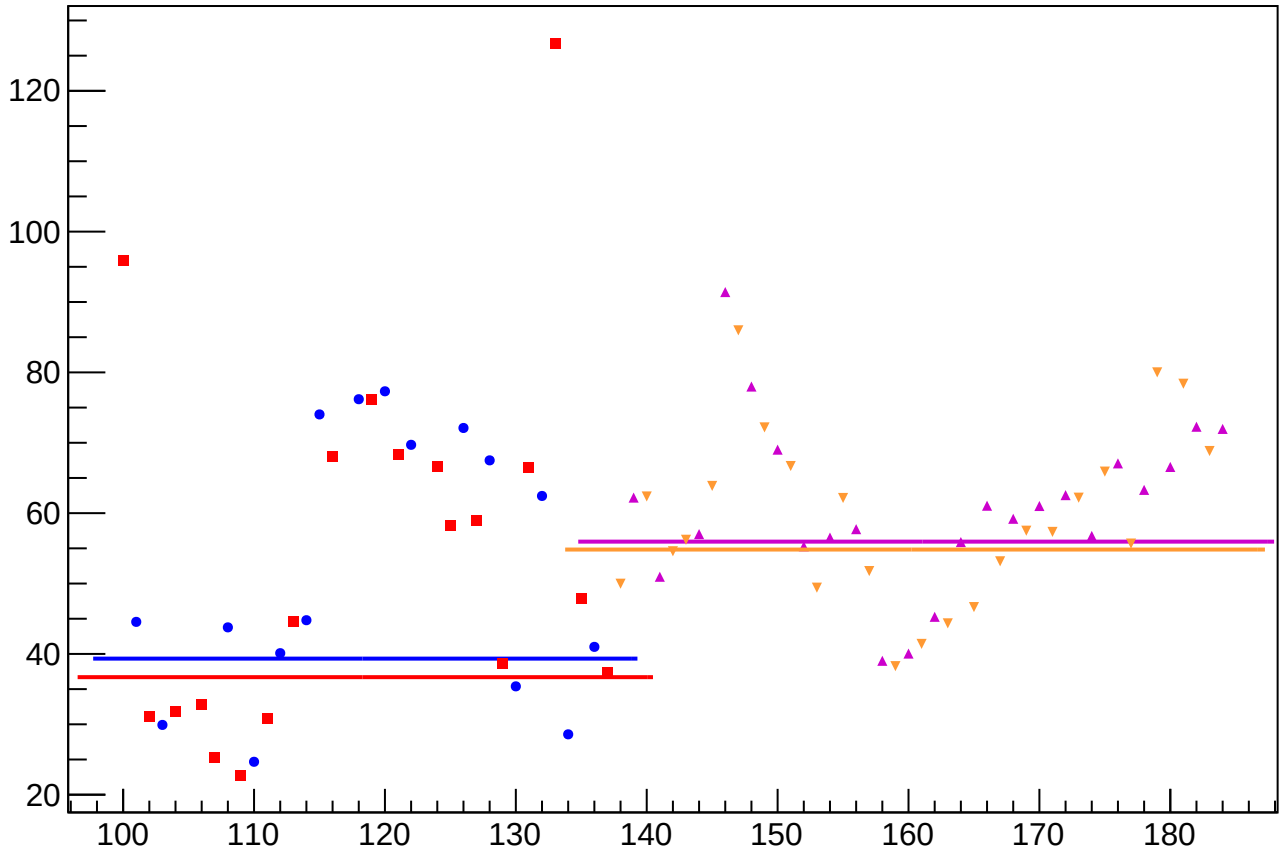
Left: -0.002+/-0.009 χ^2/NDF: 38.7/46

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.010 χ^2/NDF:47.9/38

Out: -0.001+/-0.010 χ^2/NDF:43.7/42

All: 0.006+/-0.007 χ^2/NDF: 92.8/81



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: 55.955+/-0.010 χ^2/NDF:1406309.5/22

Left: 55.371+/-0.007 χ^2/NDF: 2943851.6/46

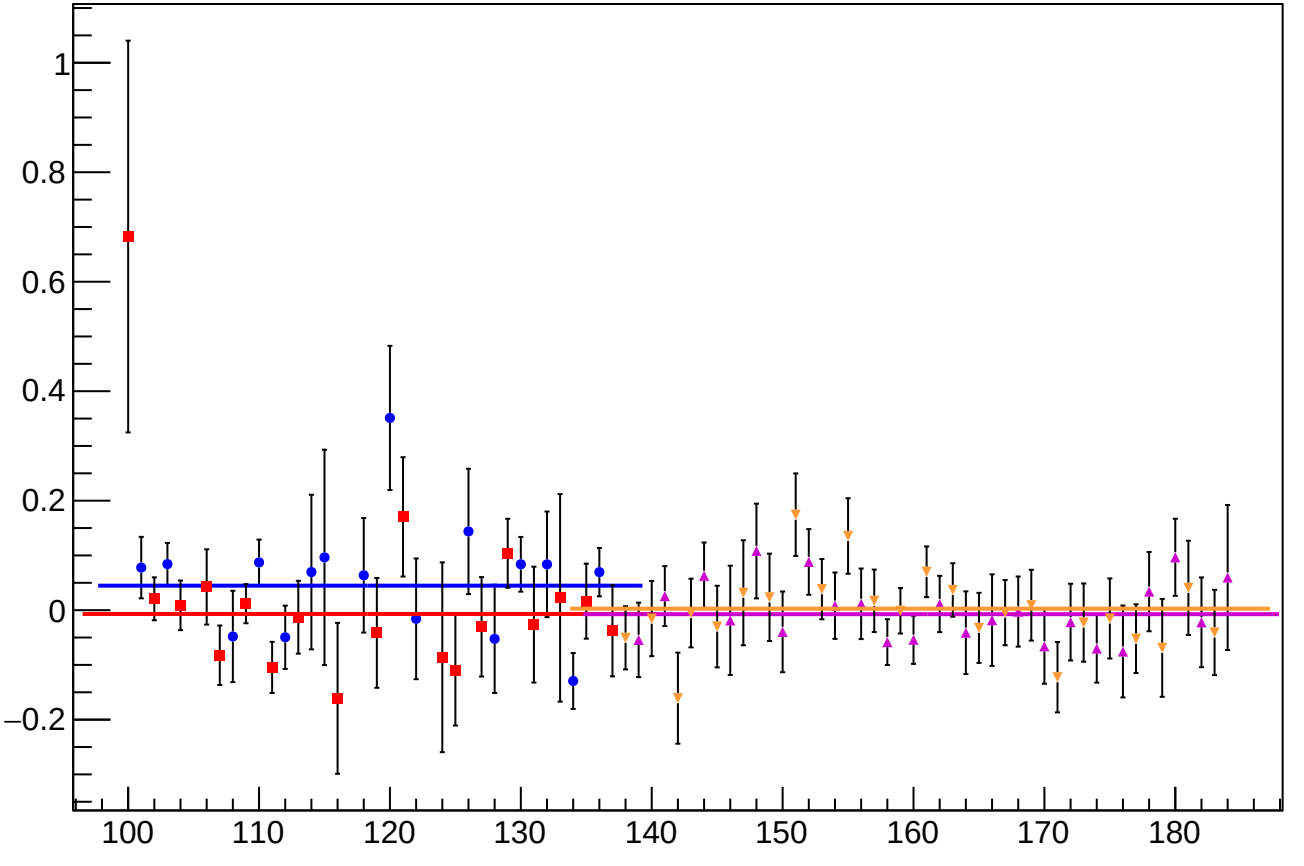
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 49.043+/-0.007 χ^2/NDF:4230185.5/38

Out: 47.115+/-0.007 χ^2/NDF:5281206.6/42

All: 48.034+/-0.005 χ^2/NDF: 9547844.0/81

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:23.4/23

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

Left: -0.002+/-0.009 χ^2/NDF: 38.7/46

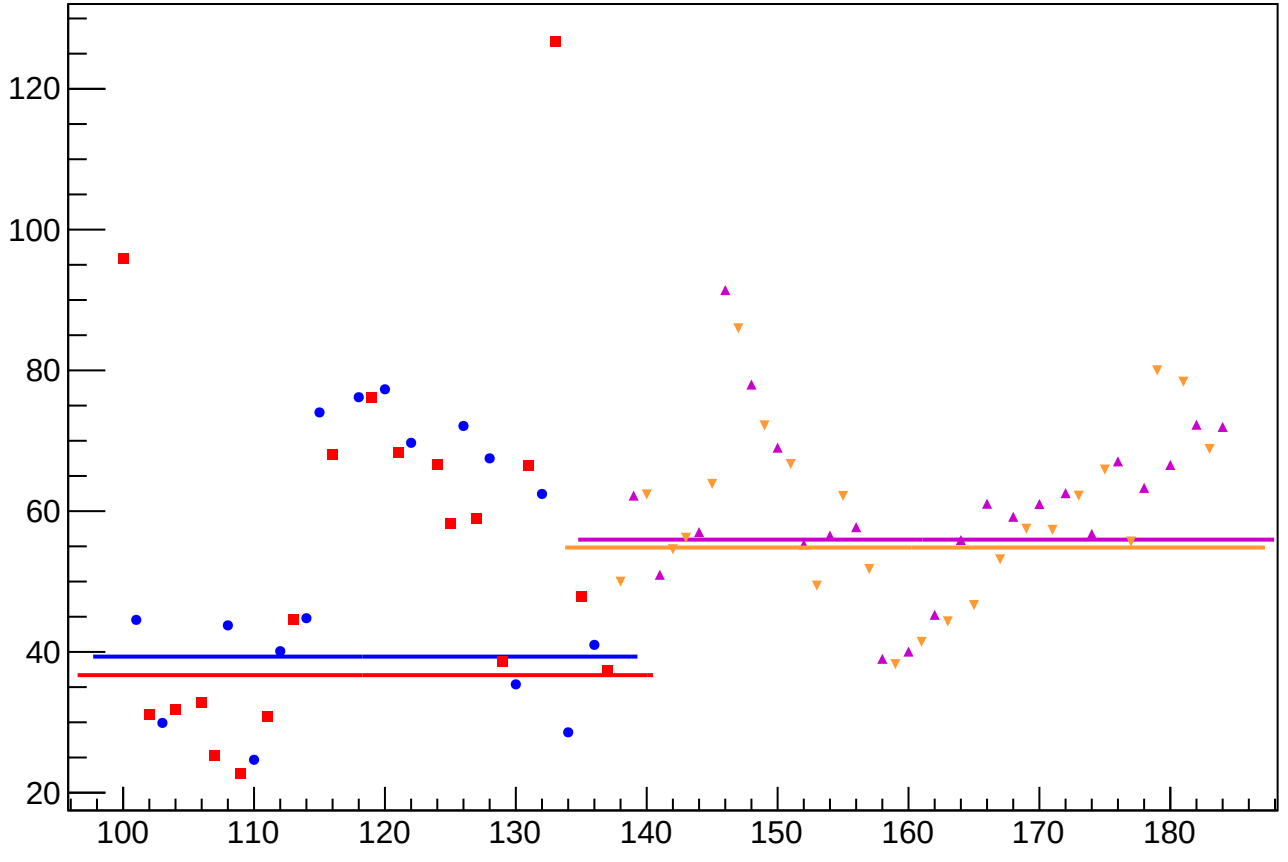
Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.010 χ^2/NDF:47.9/38

Out: -0.001+/-0.010 χ^2/NDF:43.7/42

All: 0.006+/-0.007 χ^2/NDF: 92.8/81

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: 55.955+/-0.010 χ^2/NDF:1406309.5/22

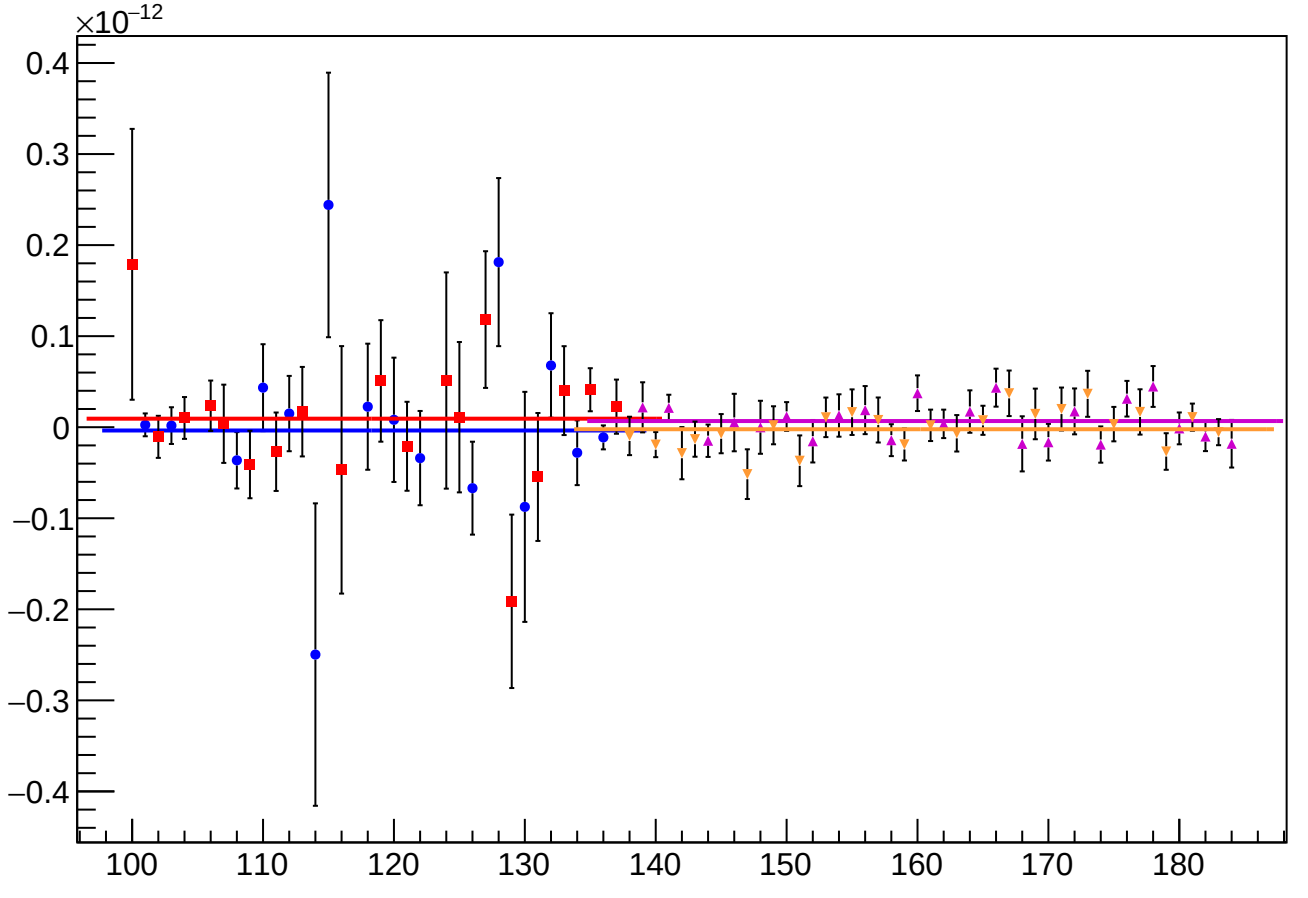
Left: 55.371+/-0.007 χ^2/NDF: 2943851.6/46

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 49.043+/-0.007 χ^2/NDF:4230185.5/38

Out: 47.115+/-0.007 χ^2/NDF:5281206.6/42

All: 48.034+/-0.005 χ^2/NDF: 9547844.0/81



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:21.9/22

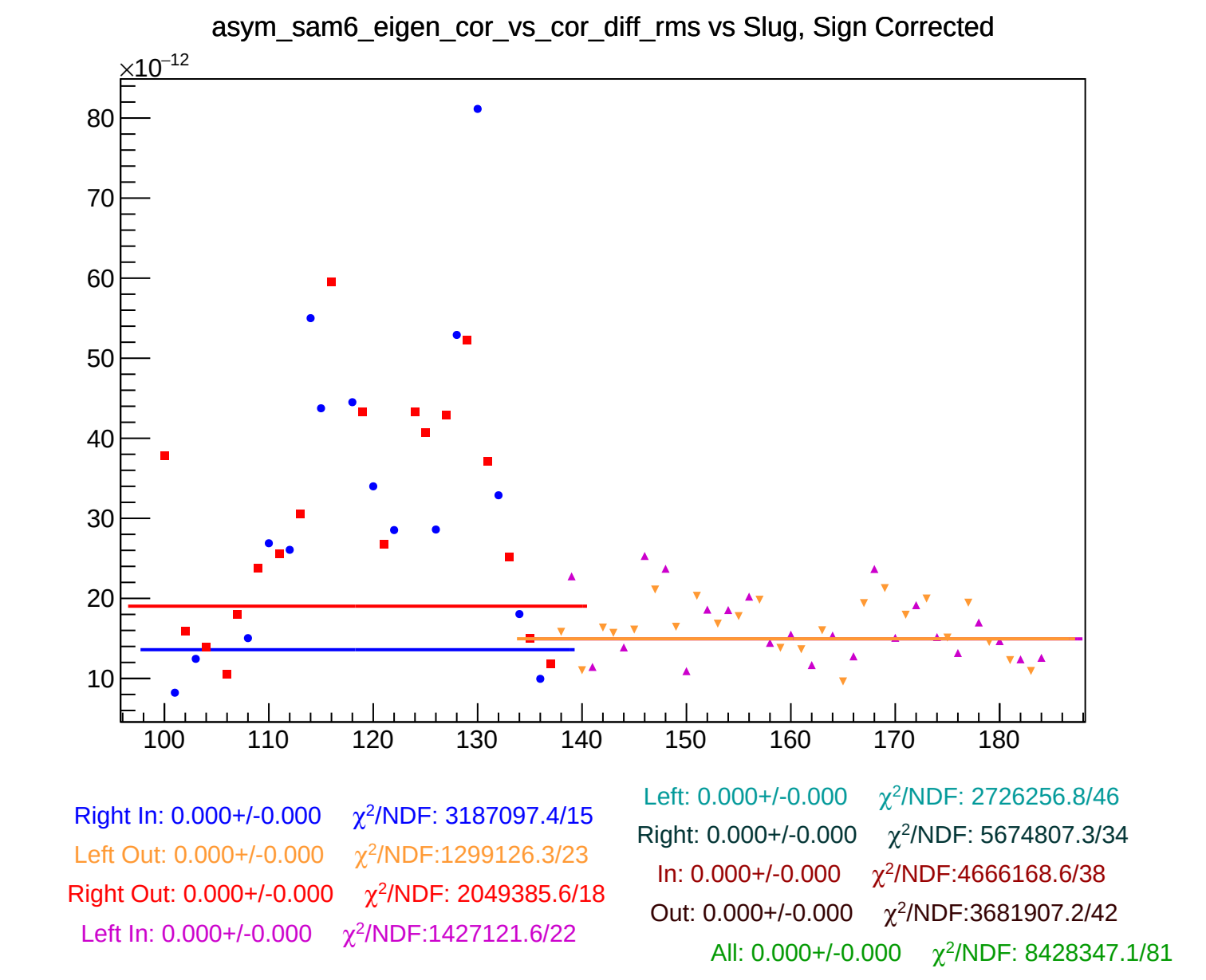
Left: 0.000+/-0.000 χ^2/NDF: 43.5/46

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

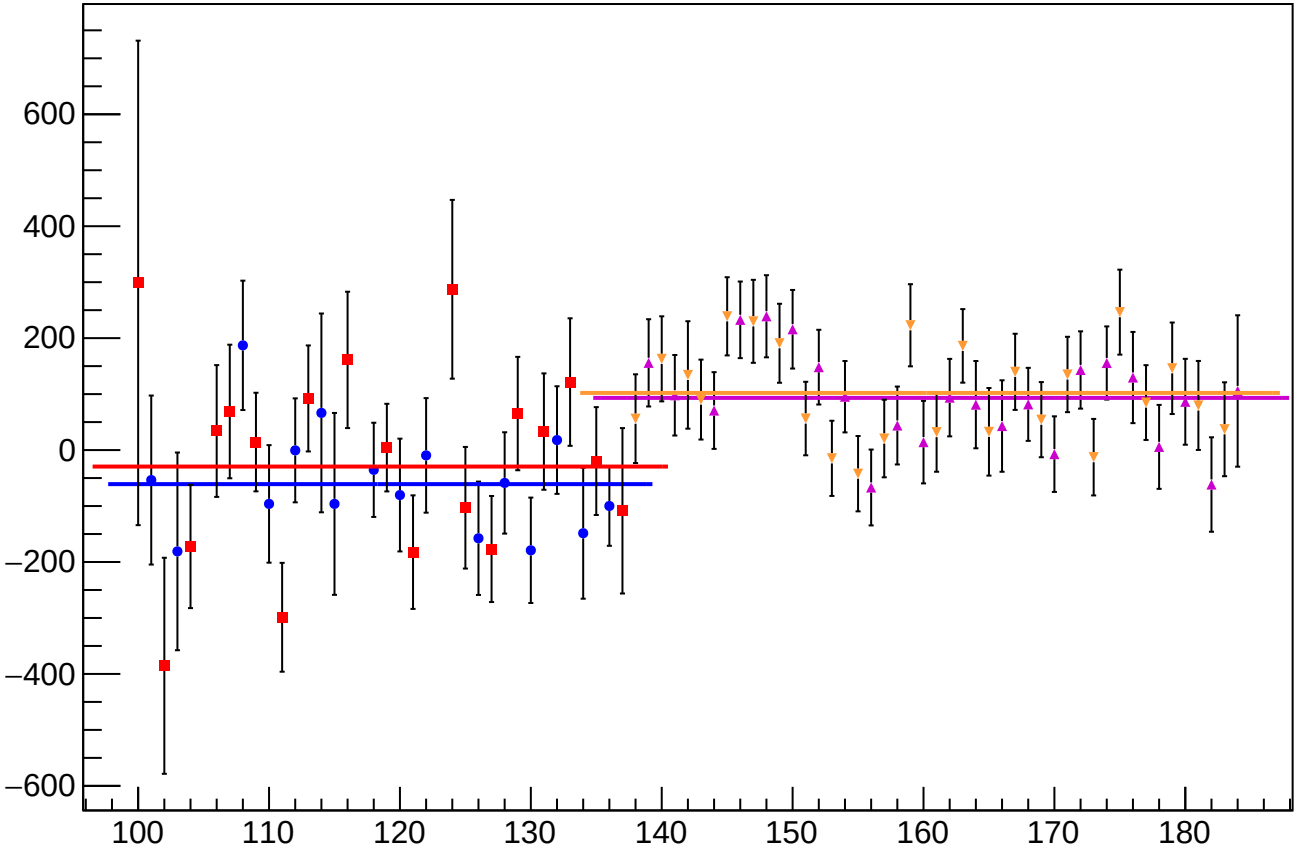
In: 0.000+/-0.000 χ^2/NDF:40.0/38

Out: -0.000+/-0.000 χ^2/NDF:36.4/42

All: 0.000+/-0.000 χ^2/NDF: 77.1/81


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1299126.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1427121.6/22
Left: 0.000+/-0.000 χ²/NDF: 2726256.8/46
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4666168.6/38
Out: 0.000+/-0.000 χ²/NDF:3681907.2/42
All: 0.000+/-0.000 χ²/NDF: 8428347.1/81

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: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.798+/-10.558 χ^2/NDF: 62.7/46

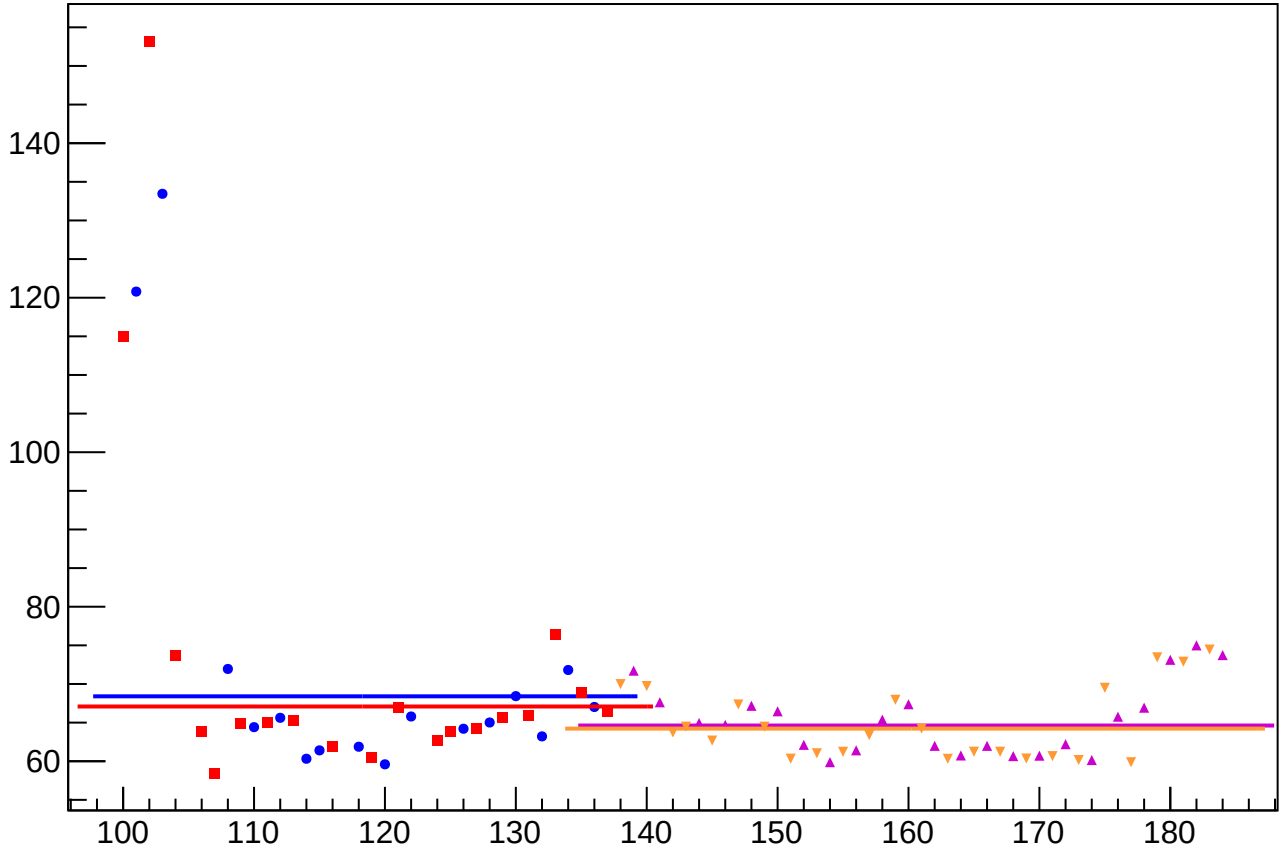
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 54.352+/-13.088 χ^2/NDF:65.6/38

Out: 68.413+/-12.707 χ^2/NDF:85.3/42

All: 61.590+/-9.117 χ^2/NDF: 151.4/81

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: 64.621+/-0.011 χ^2/NDF:147201.3/22

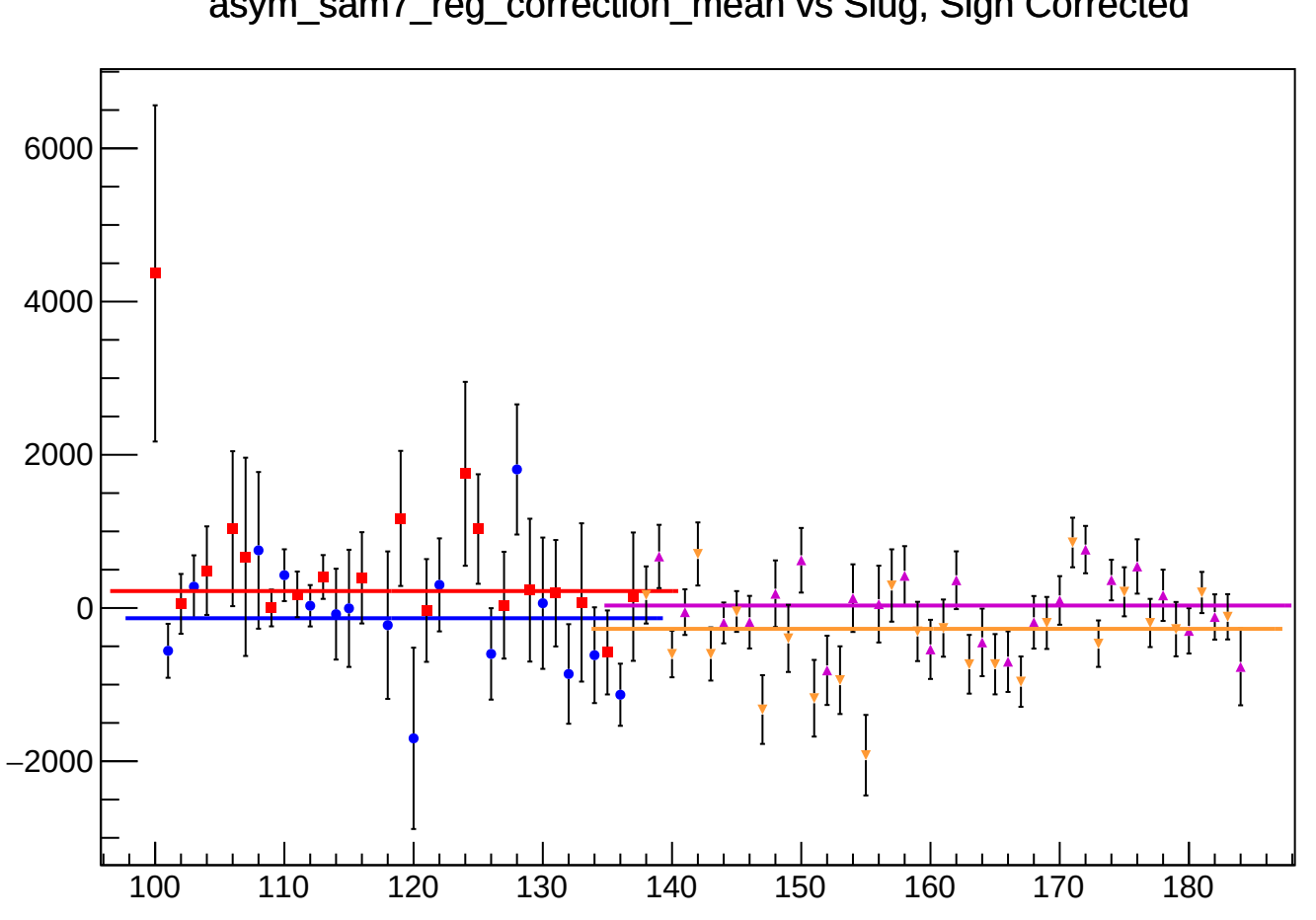
Left: 64.417+/-0.007 χ^2/NDF: 324850.4/46

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 65.576+/-0.009 χ^2/NDF:748269.2/38

Out: 64.957+/-0.009 χ^2/NDF:678090.7/42

All: 65.257+/-0.006 χ^2/NDF: 1428661.1/81



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: 32.423+/-73.837 χ^2/NDF:31.7/22

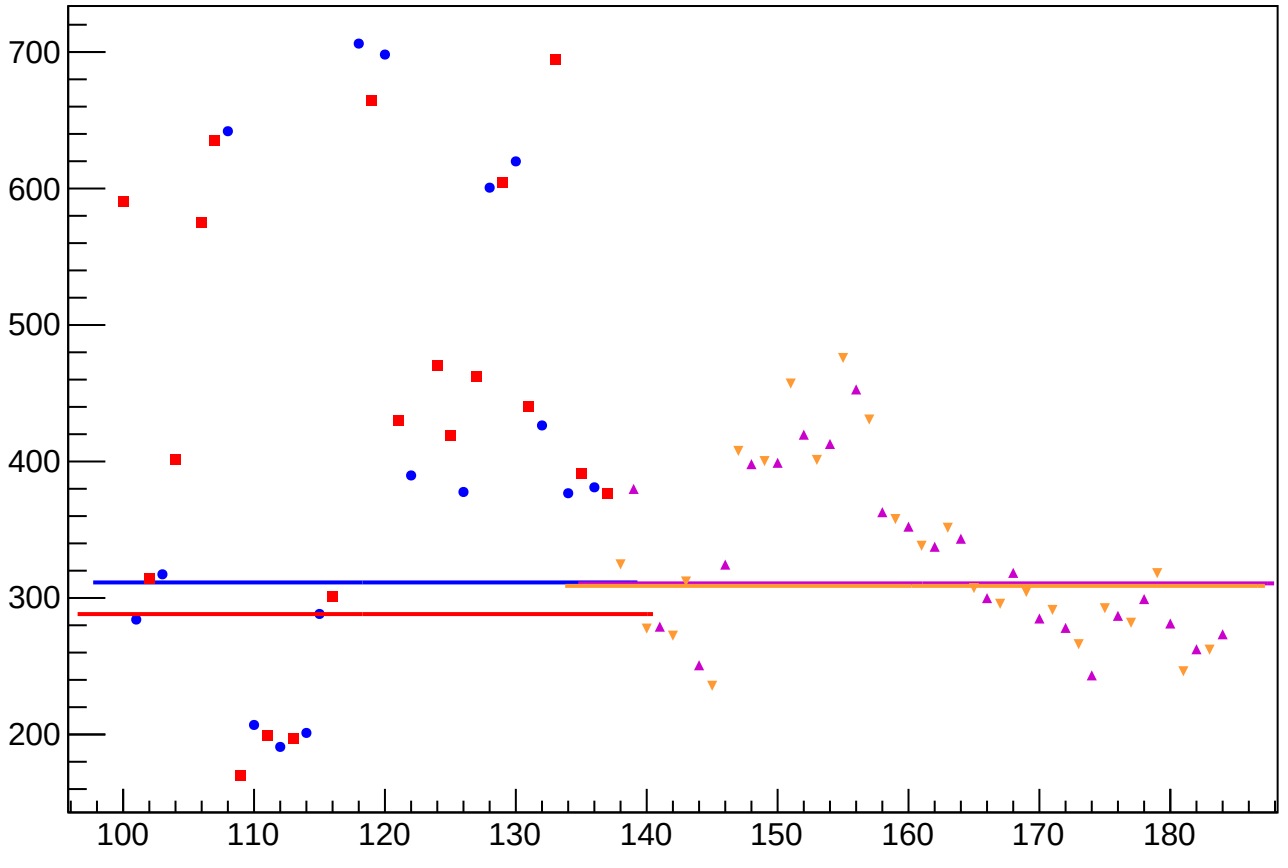
Left: -123.426+/-51.594 χ^2/NDF: 98.3/46

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -10.062+/-63.692 χ^2/NDF:55.5/38

Out: -137.557+/-61.508 χ^2/NDF:83.1/42

All: -76.033+/-44.245 χ^2/NDF: 140.7/81



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: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 309.760+/-0.036 χ^2/NDF: 2351878.8/46

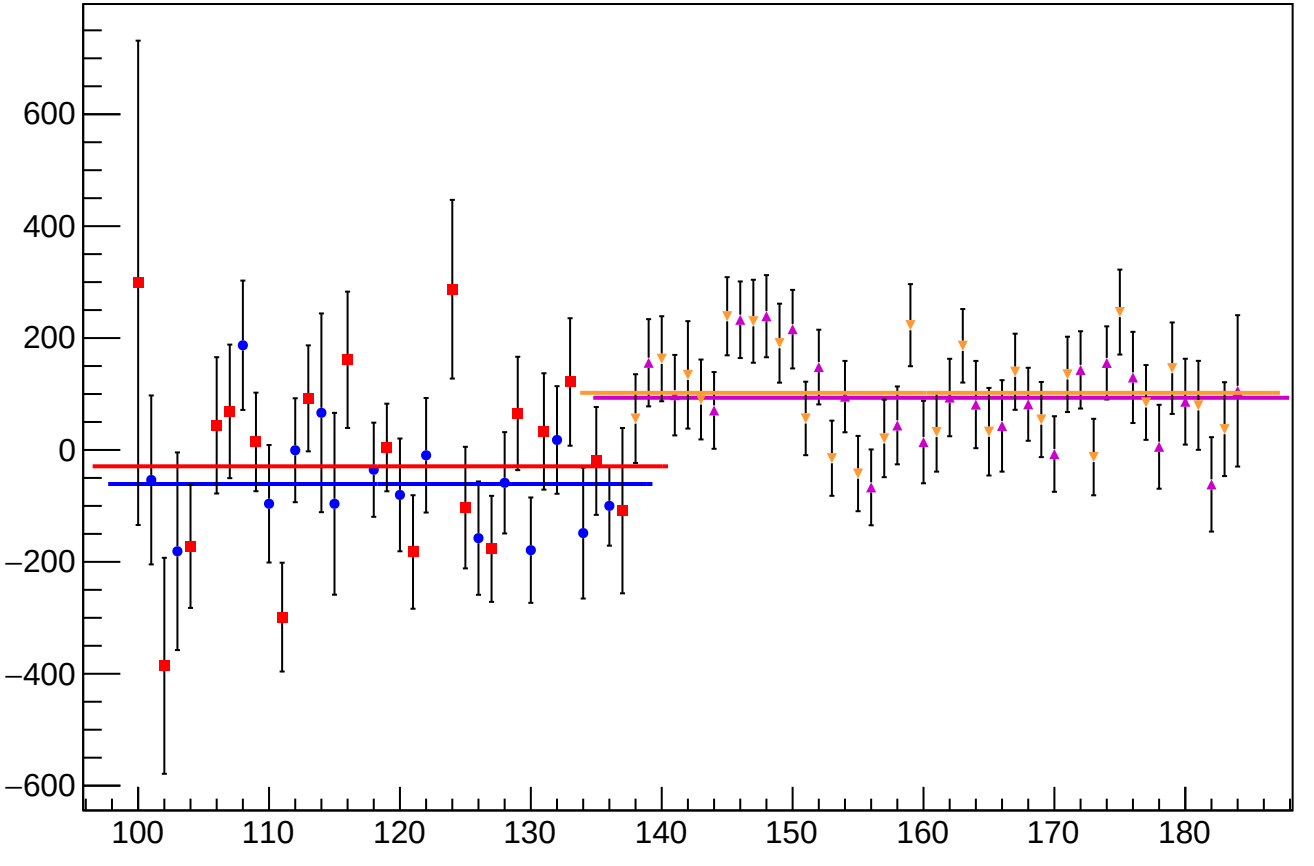
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 310.874+/-0.045 χ^2/NDF:3203318.4/38

Out: 303.232+/-0.043 χ^2/NDF:4031914.4/42

All: 306.919+/-0.031 χ^2/NDF: 7250131.3/81

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: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.798+/-10.558 χ^2/NDF: 62.7/46

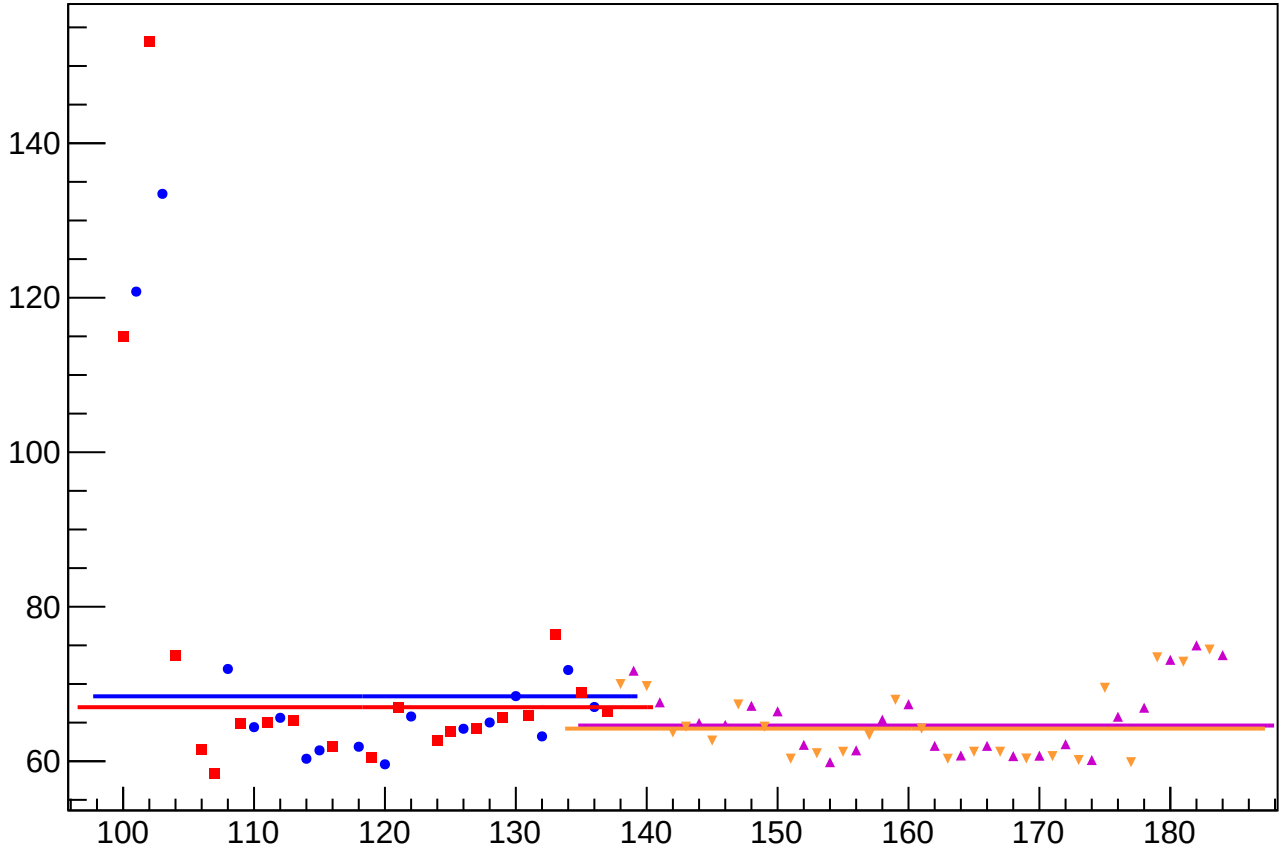
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 54.351+/-13.088 χ^2/NDF:65.6/38

Out: 68.547+/-12.712 χ^2/NDF:85.2/42

All: 61.656+/-9.119 χ^2/NDF: 151.4/81

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: 64.621+/-0.011 χ^2/NDF:147201.3/22

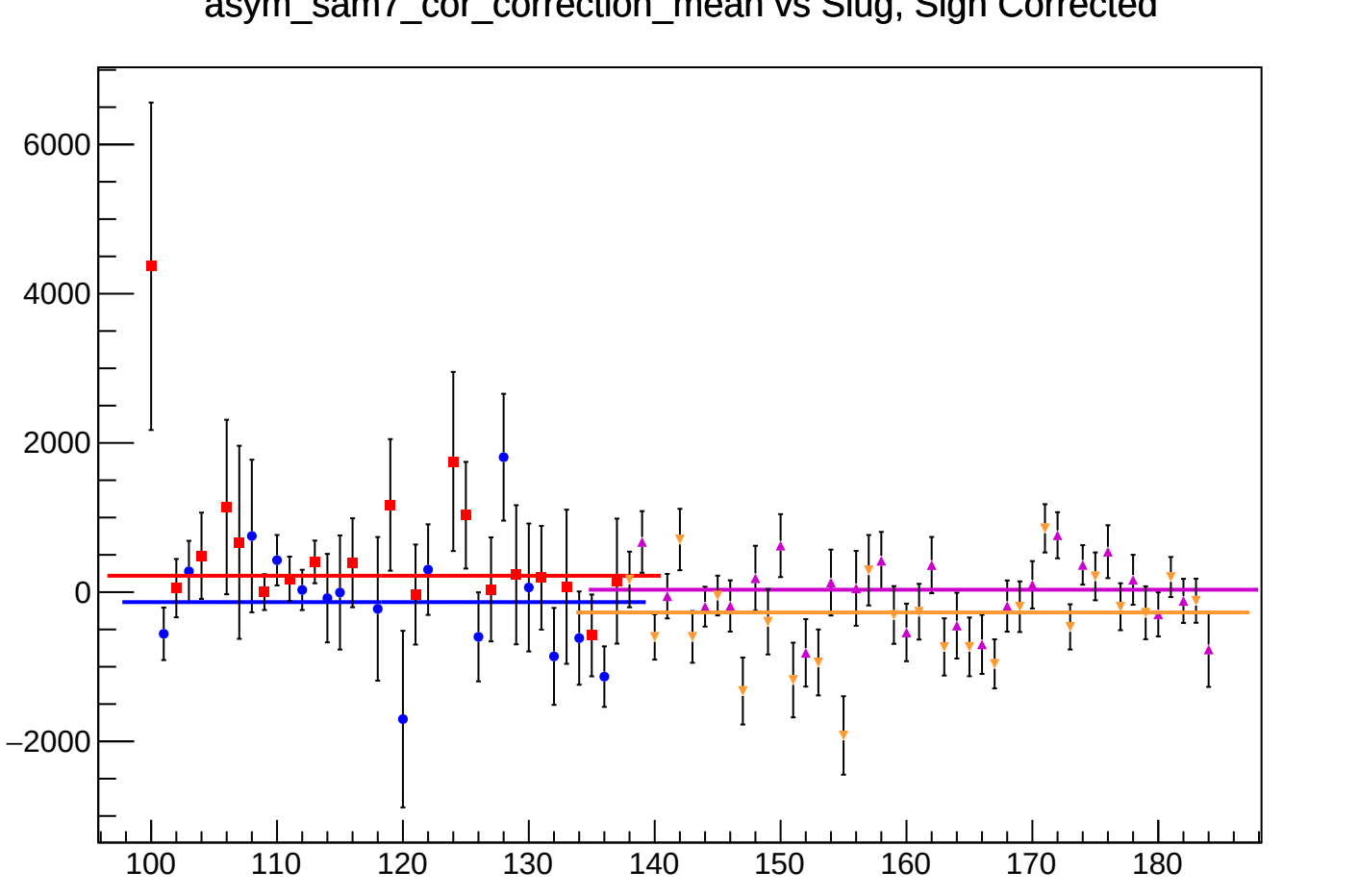
Left: 64.417+/-0.007 χ^2/NDF: 324850.4/46

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.576+/-0.009 χ^2/NDF:748269.6/38

Out: 64.932+/-0.009 χ^2/NDF:679511.5/42

All: 65.244+/-0.006 χ^2/NDF: 1430270.5/81



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: 32.420+/-73.837 χ^2/NDF:31.7/22

Left: -123.429+/-51.594 χ^2/NDF: 98.3/46

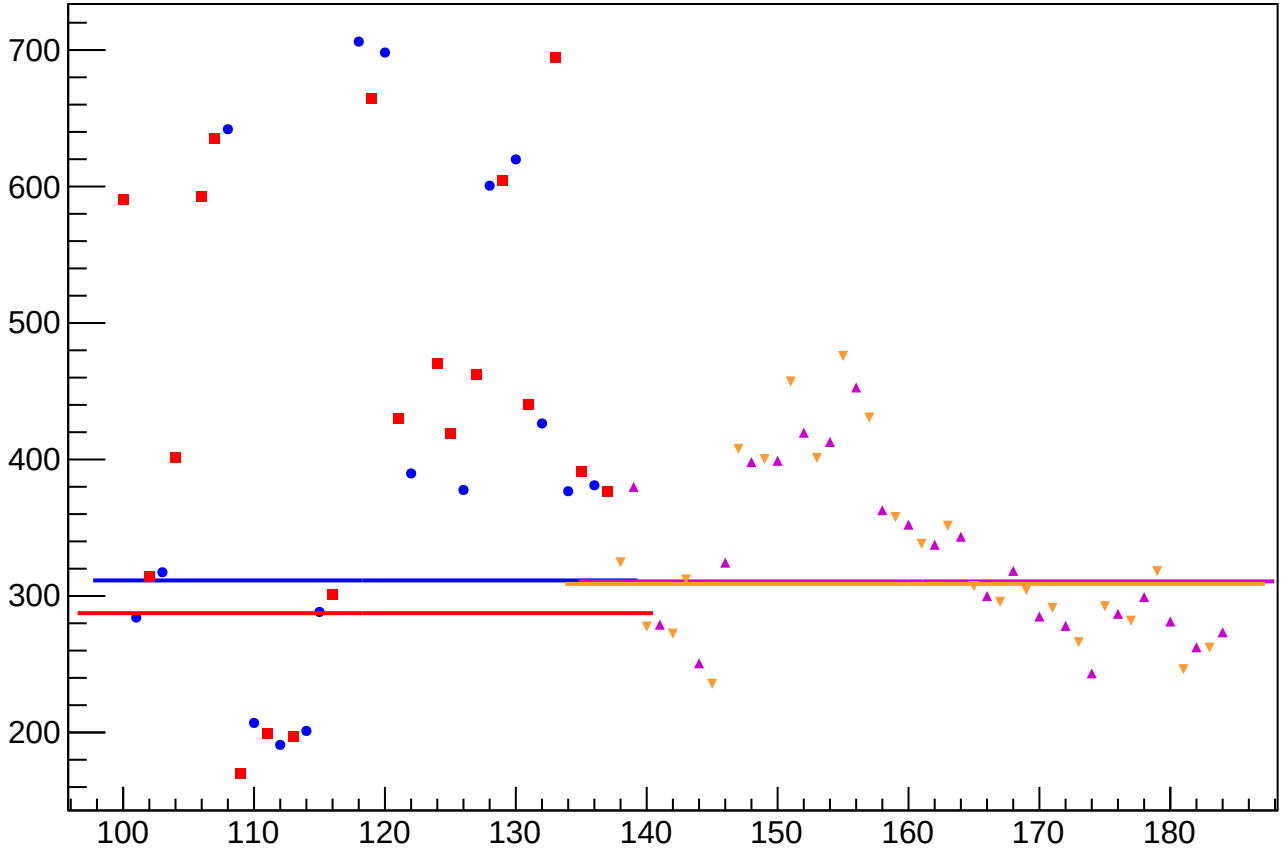
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -10.063+/-63.692 χ^2/NDF:55.5/38

Out: -138.367+/-61.538 χ^2/NDF:83.0/42

All: -76.422+/-44.256 χ^2/NDF: 140.6/81

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



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: 310.698+/-0.052 χ^2/NDF:1079479.8/22

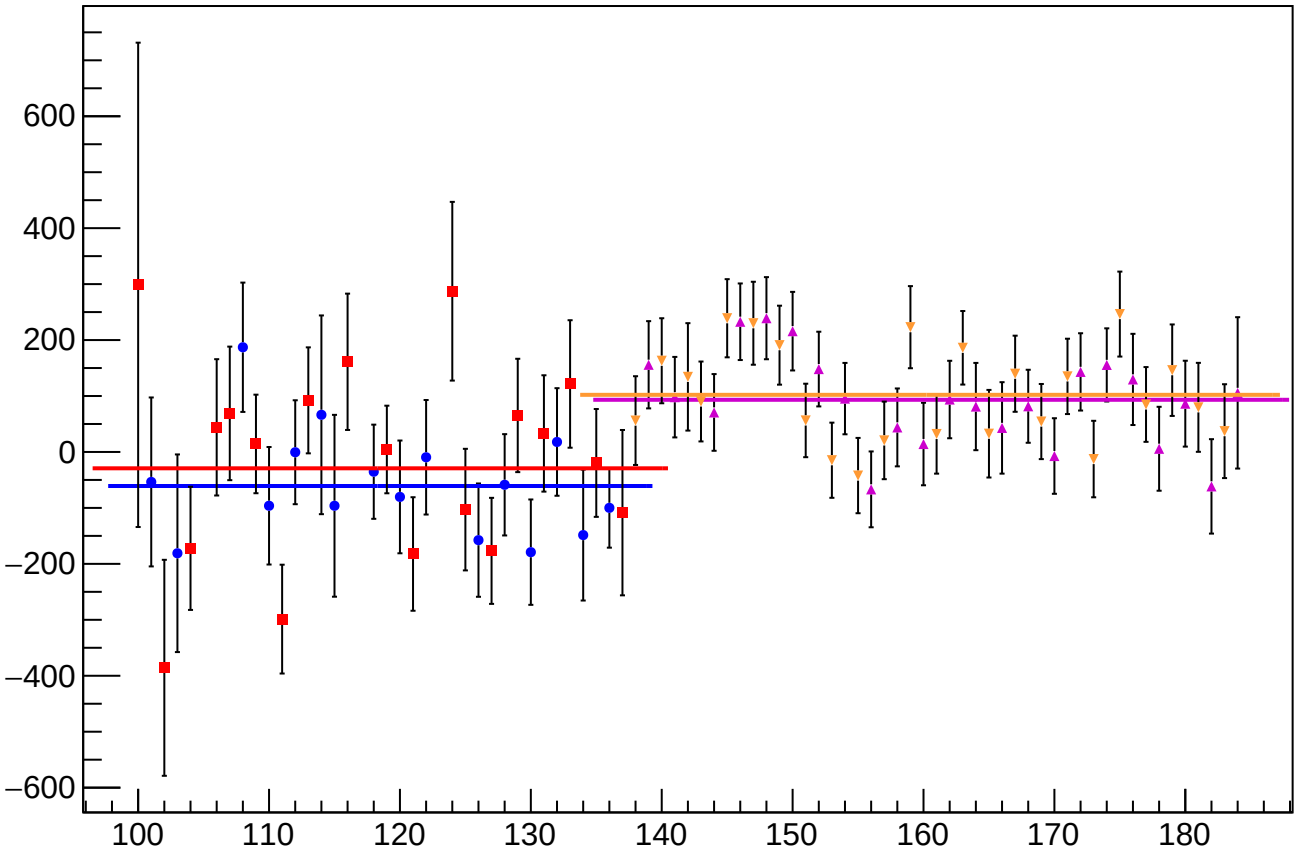
Left: 309.760+/-0.036 χ^2/NDF: 2351881.4/46

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 310.874+/-0.045 χ^2/NDF:3203323.6/38

Out: 303.031+/-0.044 χ^2/NDF:4010163.0/42

All: 306.818+/-0.031 χ^2/NDF: 7229174.5/81



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: 93.235+/-15.137 χ^2/NDF:28.8/22

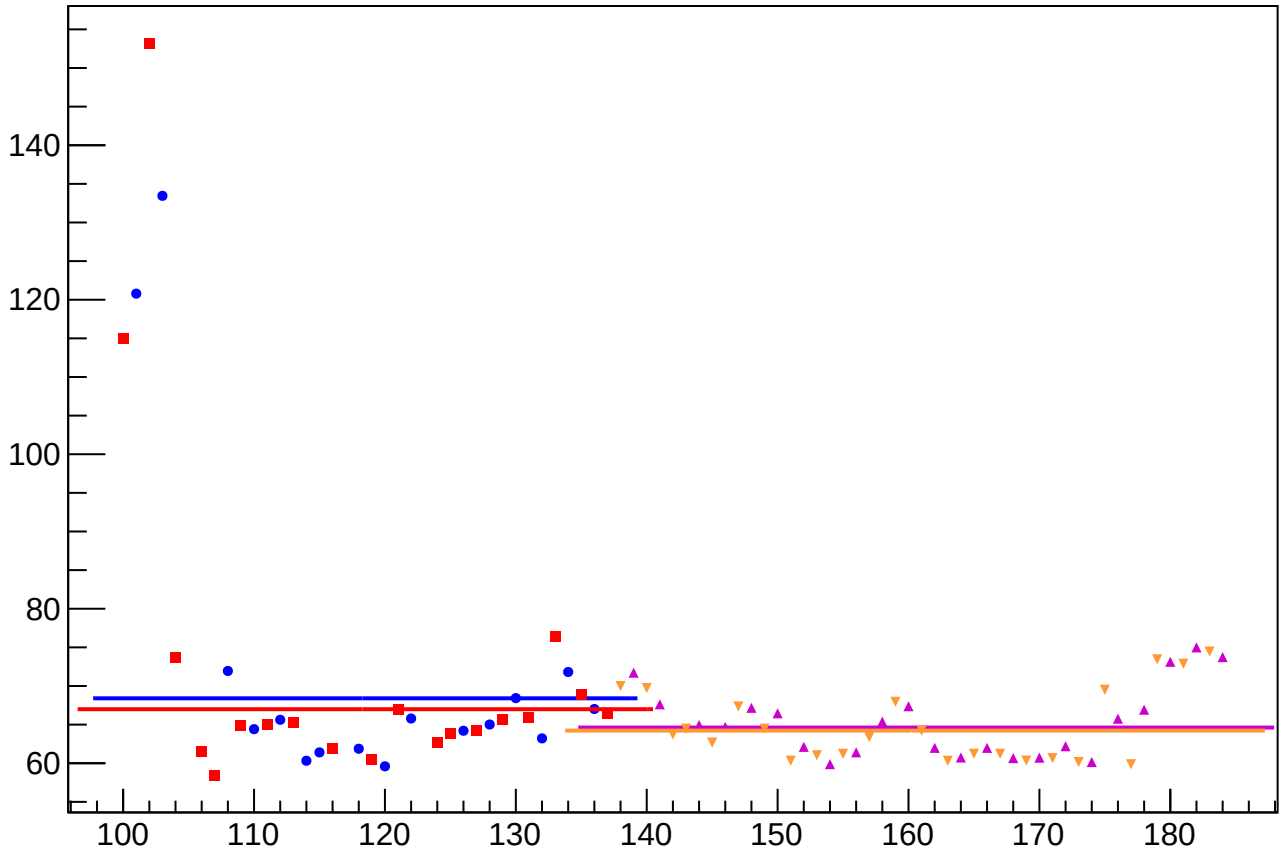
Left: 97.798+/-10.558 χ^2/NDF: 62.7/46

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 54.351+/-13.088 χ^2/NDF:65.6/38

Out: 68.547+/-12.712 χ^2/NDF:85.2/42

All: 61.656+/-9.119 χ^2/NDF: 151.4/81



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: 64.621+/-0.011 χ^2/NDF:147201.3/22

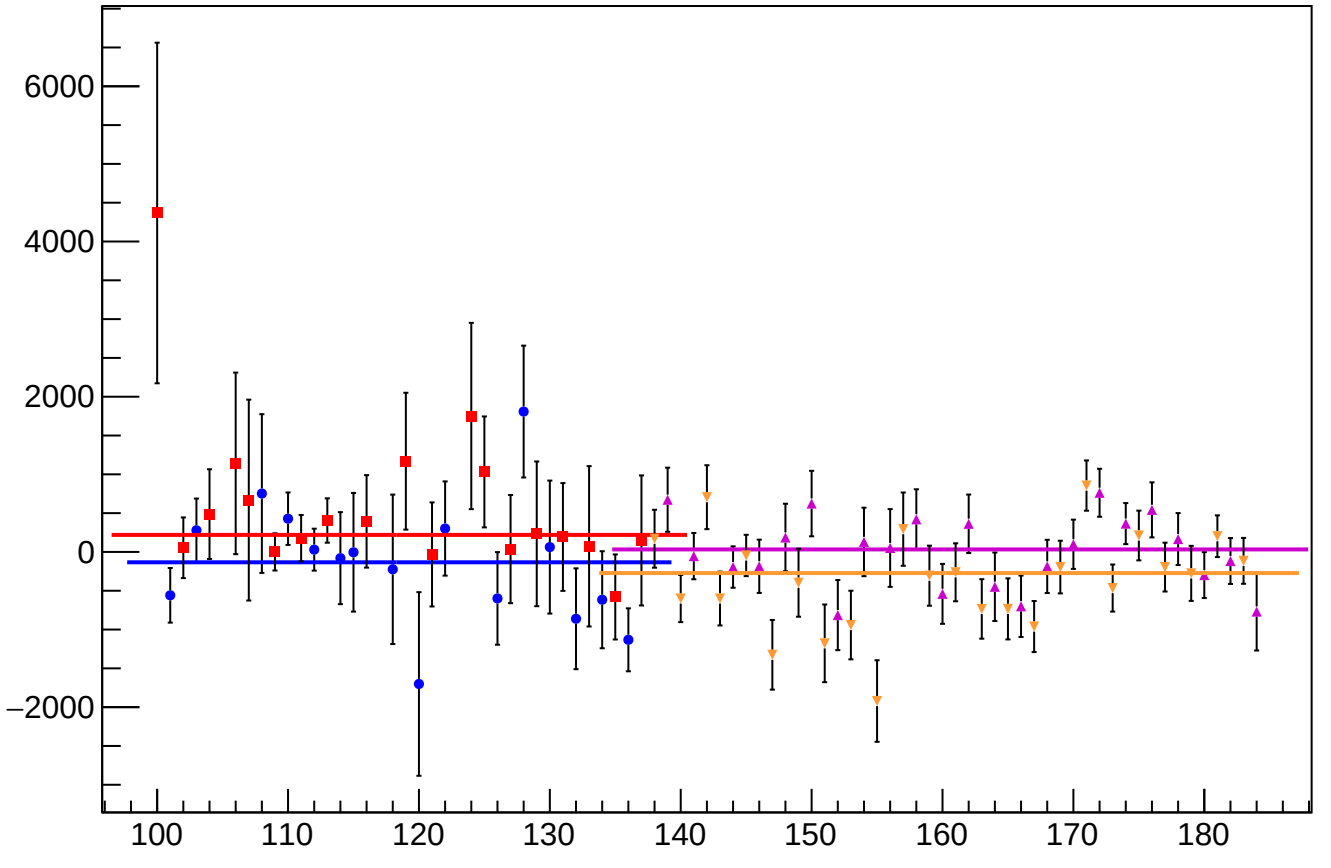
Left: 64.417+/-0.007 χ^2/NDF: 324850.4/46

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.576+/-0.009 χ^2/NDF:748269.6/38

Out: 64.932+/-0.009 χ^2/NDF:679511.5/42

All: 65.244+/-0.006 χ^2/NDF: 1430270.5/81



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: 32.420+/-73.837 χ^2/NDF:31.7/22

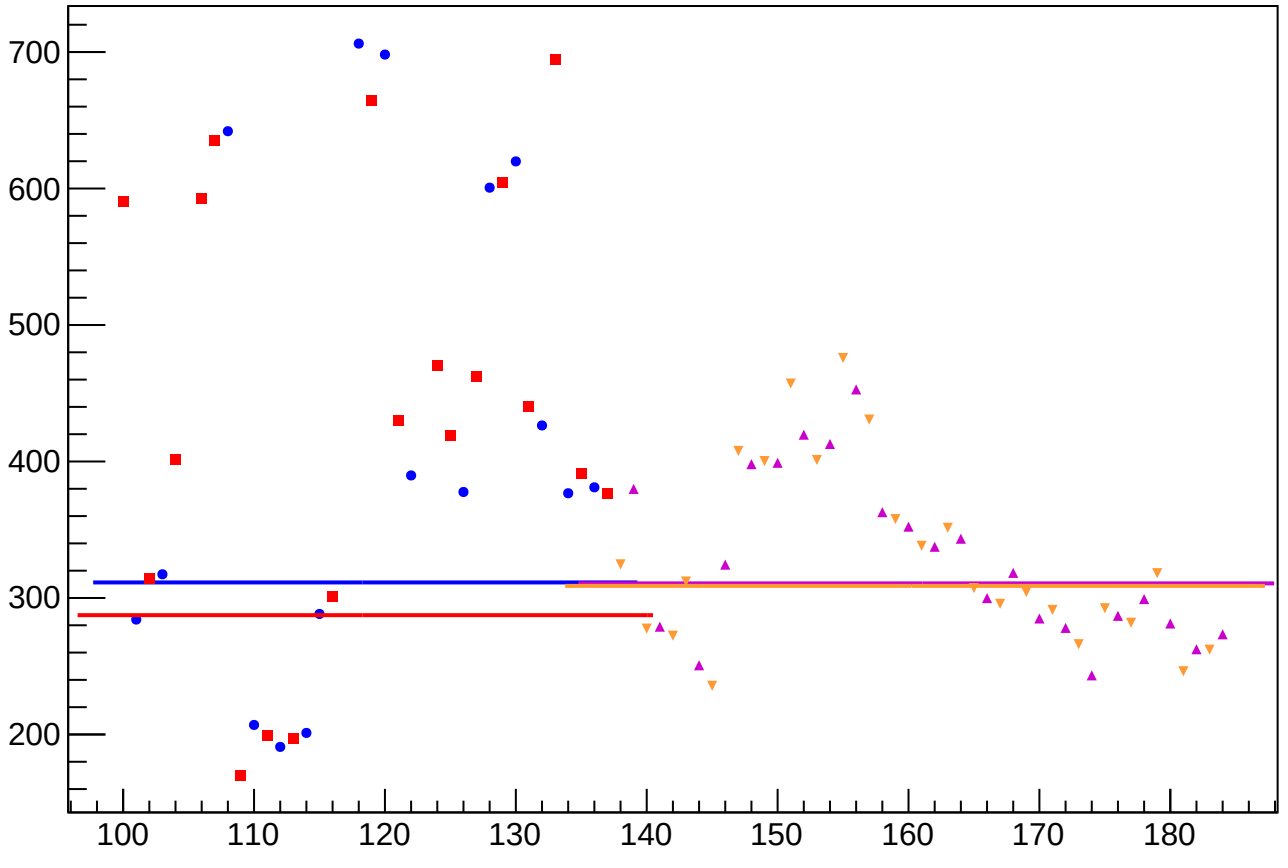
Left: -123.429+/-51.594 χ^2/NDF: 98.3/46

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -10.063+/-63.692 χ^2/NDF:55.5/38

Out: -138.367+/-61.538 χ^2/NDF:83.0/42

All: -76.422+/-44.256 χ^2/NDF: 140.6/81



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: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 309.760+/-0.036 χ^2/NDF: 2351881.4/46

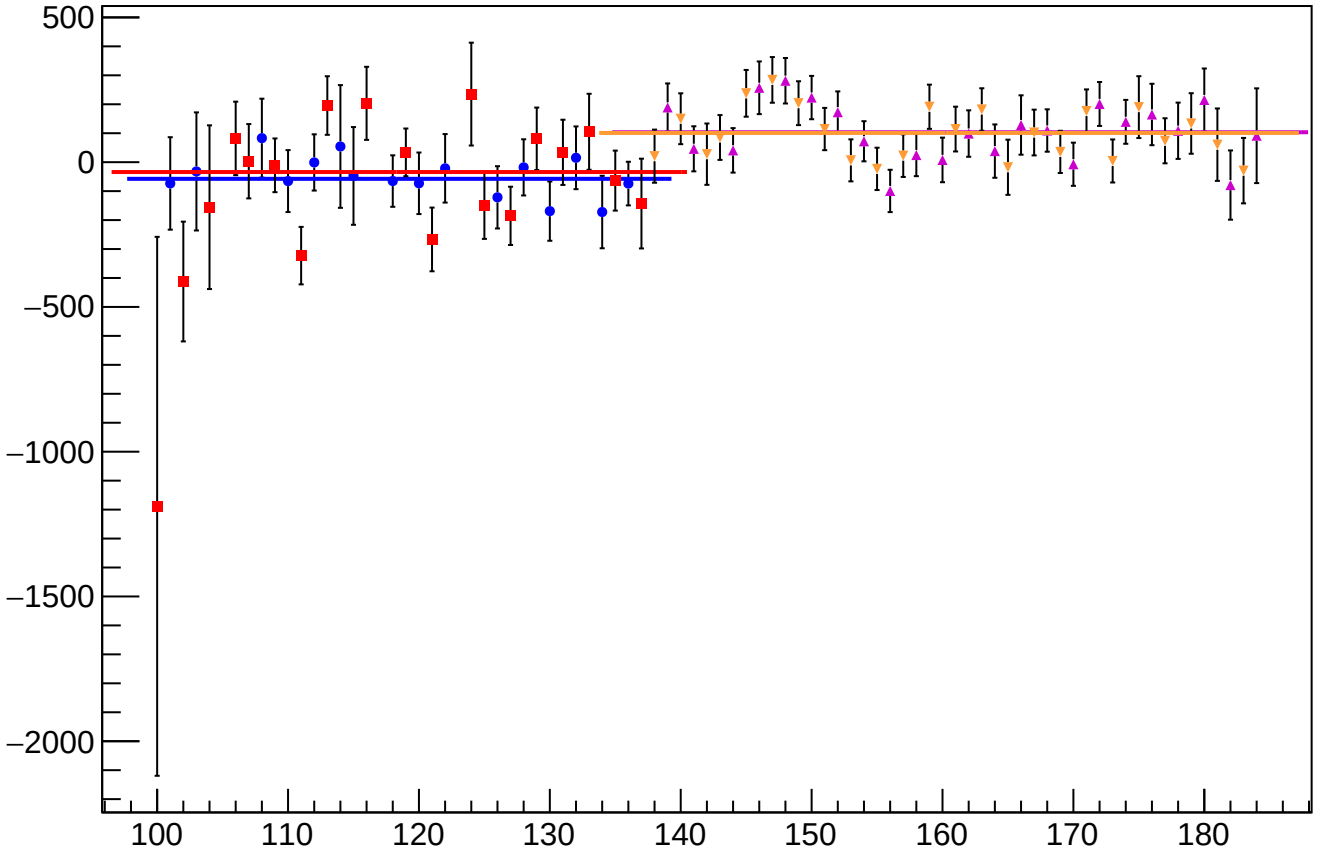
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 310.874+/-0.045 χ^2/NDF:3203323.6/38

Out: 303.031+/-0.044 χ^2/NDF:4010163.0/42

All: 306.818+/-0.031 χ^2/NDF: 7229174.5/81

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: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 102.143+/-12.013 χ^2/NDF: 60.3/46

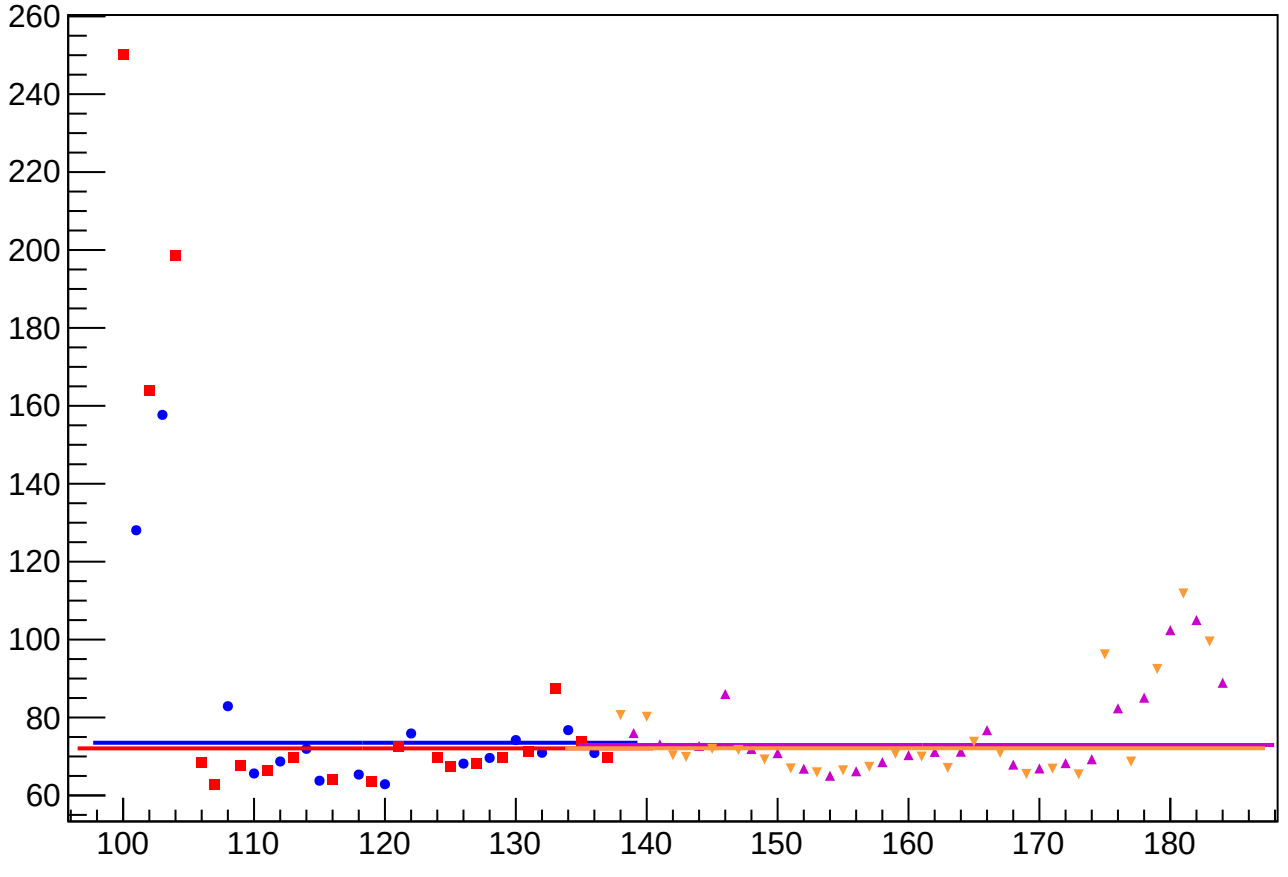
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 59.257+/-14.706 χ^2/NDF:61.4/38

Out: 64.324+/-14.278 χ^2/NDF:82.4/42

All: 61.865+/-10.244 χ^2/NDF: 143.9/81

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: 72.948+/-0.012 χ^2/NDF:509028.0/22

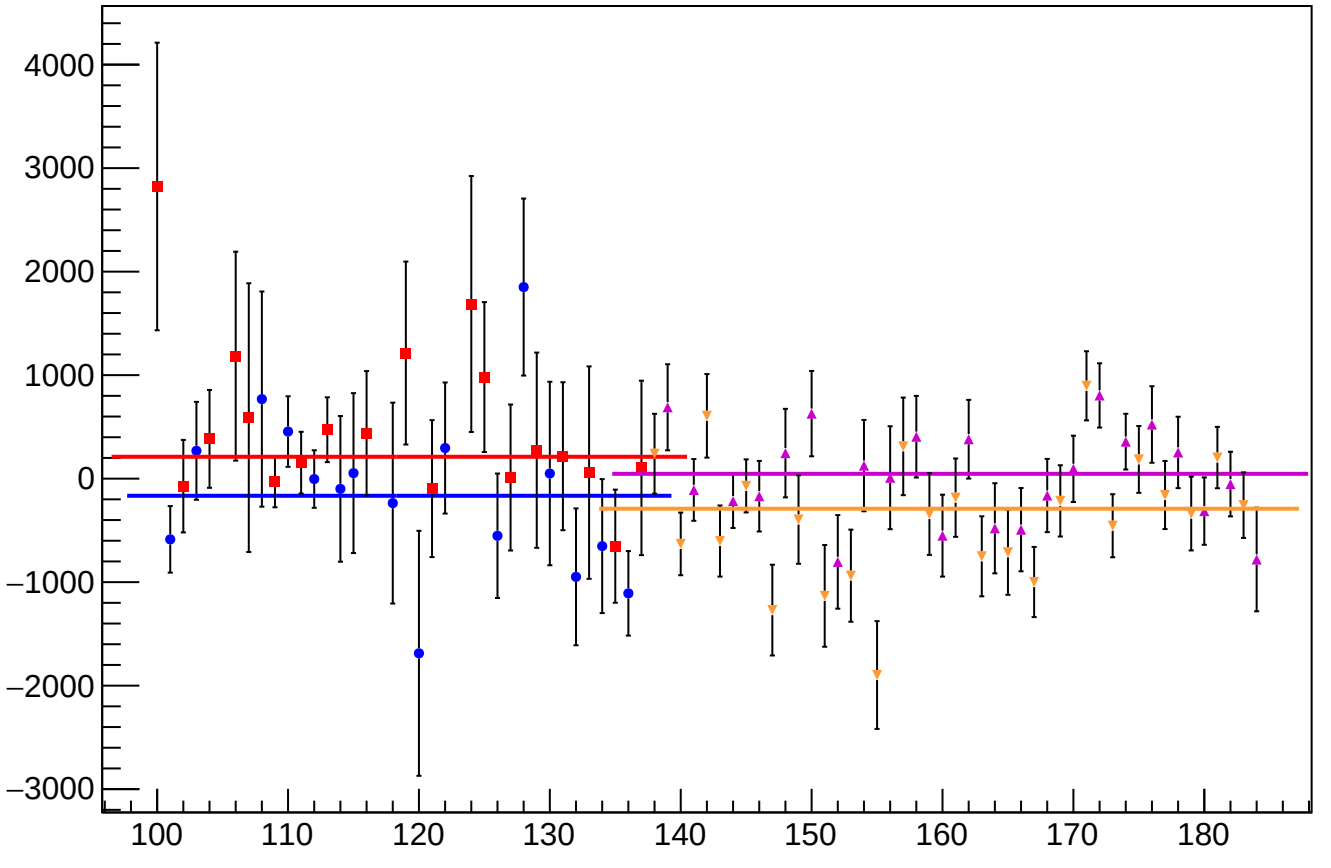
Left: 72.513+/-0.008 χ^2/NDF: 1152241.1/46

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 73.105+/-0.010 χ^2/NDF:1166475.3/38

Out: 72.095+/-0.010 χ^2/NDF:1599239.2/42

All: 72.585+/-0.007 χ^2/NDF: 2770563.9/81



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: 46.569+/-74.897 χ^2/NDF:30.7/22

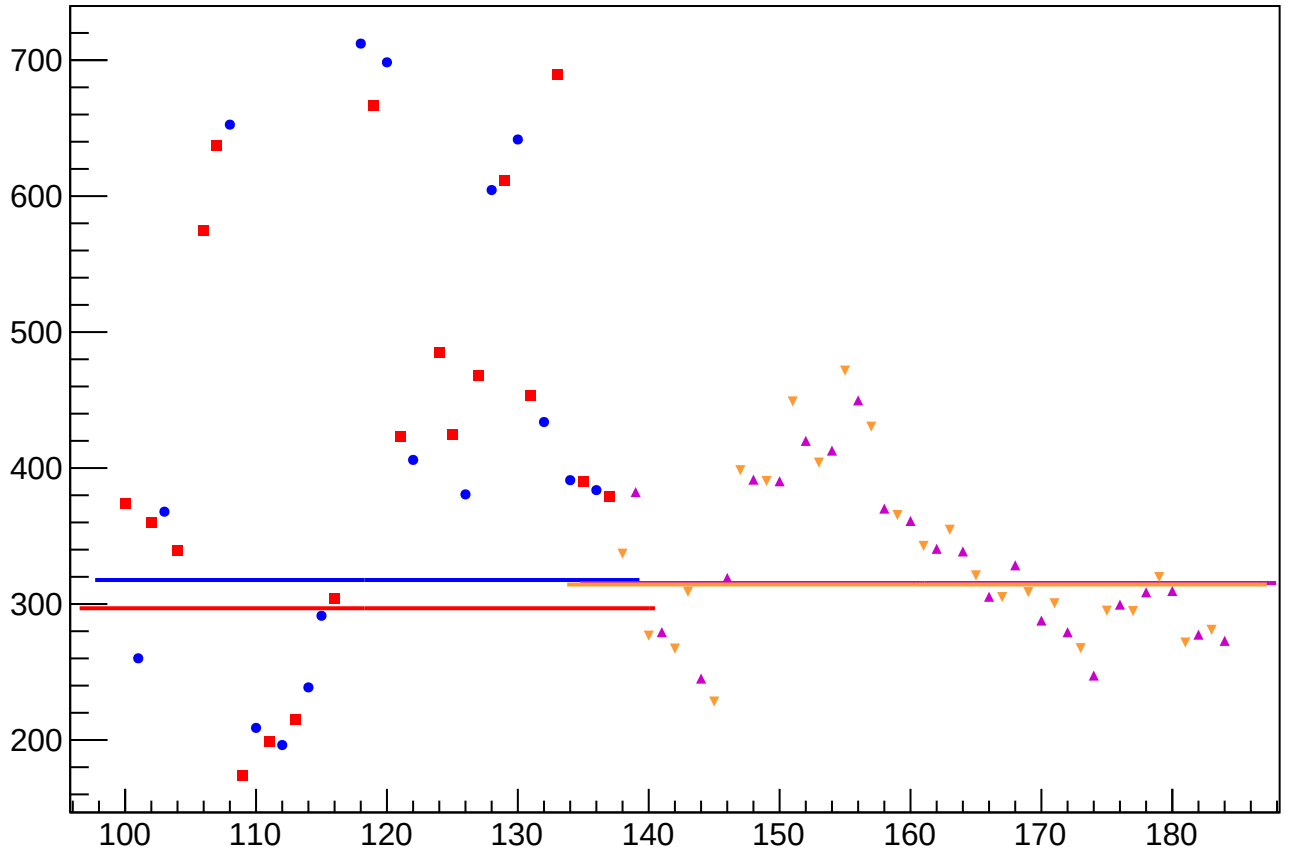
Left: -125.754+/-52.361 χ^2/NDF: 97.1/46

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -7.246+/-64.700 χ^2/NDF:55.4/38

Out: -154.518+/-62.528 χ^2/NDF:82.3/42

All: -83.395+/-44.962 χ^2/NDF: 140.4/81



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: 315.455+/-0.053 χ^2/NDF:1008523.1/22

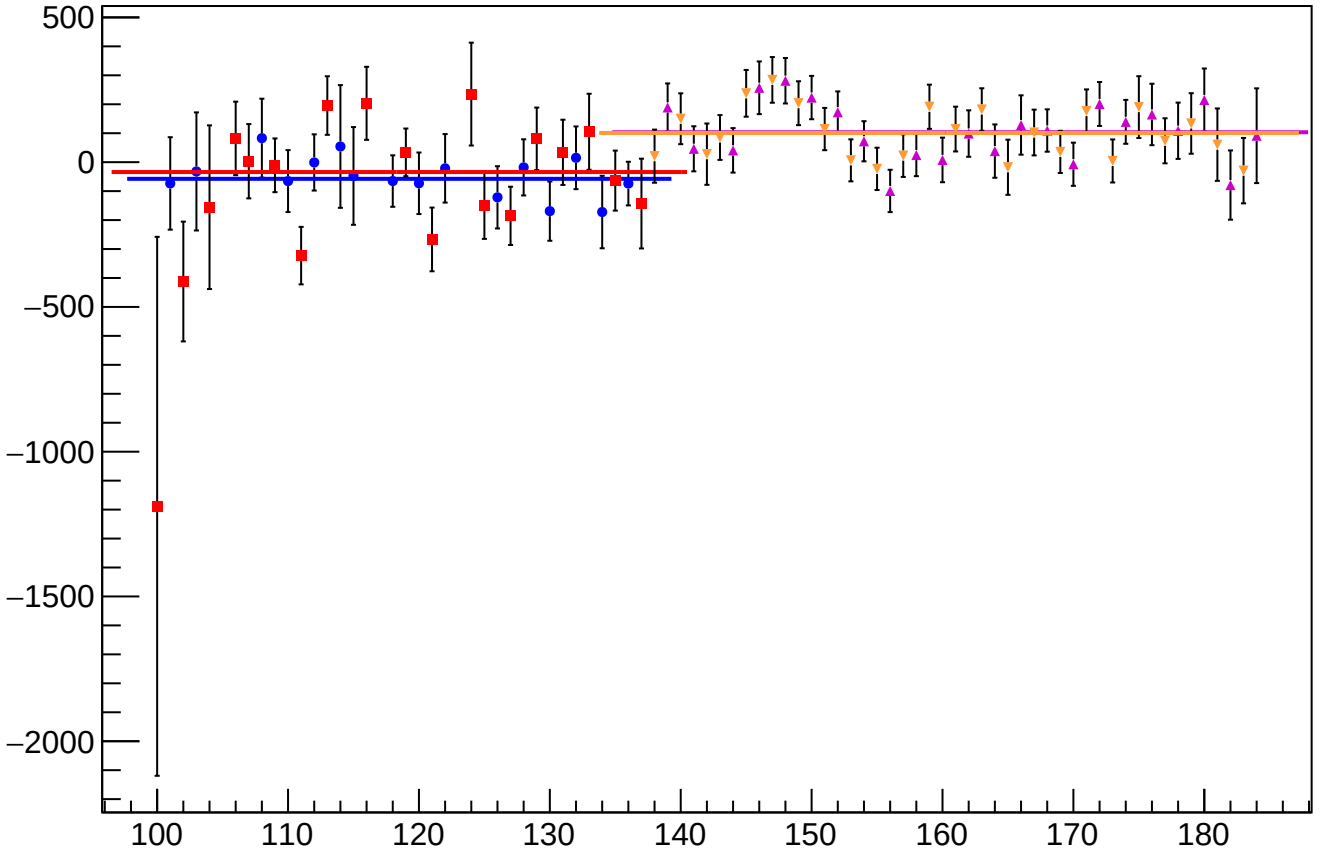
Left: 314.896+/-0.037 χ^2/NDF: 2169587.9/46

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 316.016+/-0.046 χ^2/NDF:3145157.2/38

Out: 309.627+/-0.044 χ^2/NDF:3732740.8/42

All: 312.712+/-0.032 χ^2/NDF: 6887981.1/81



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: 103.363+/-17.260 χ^2/NDF:32.7/22

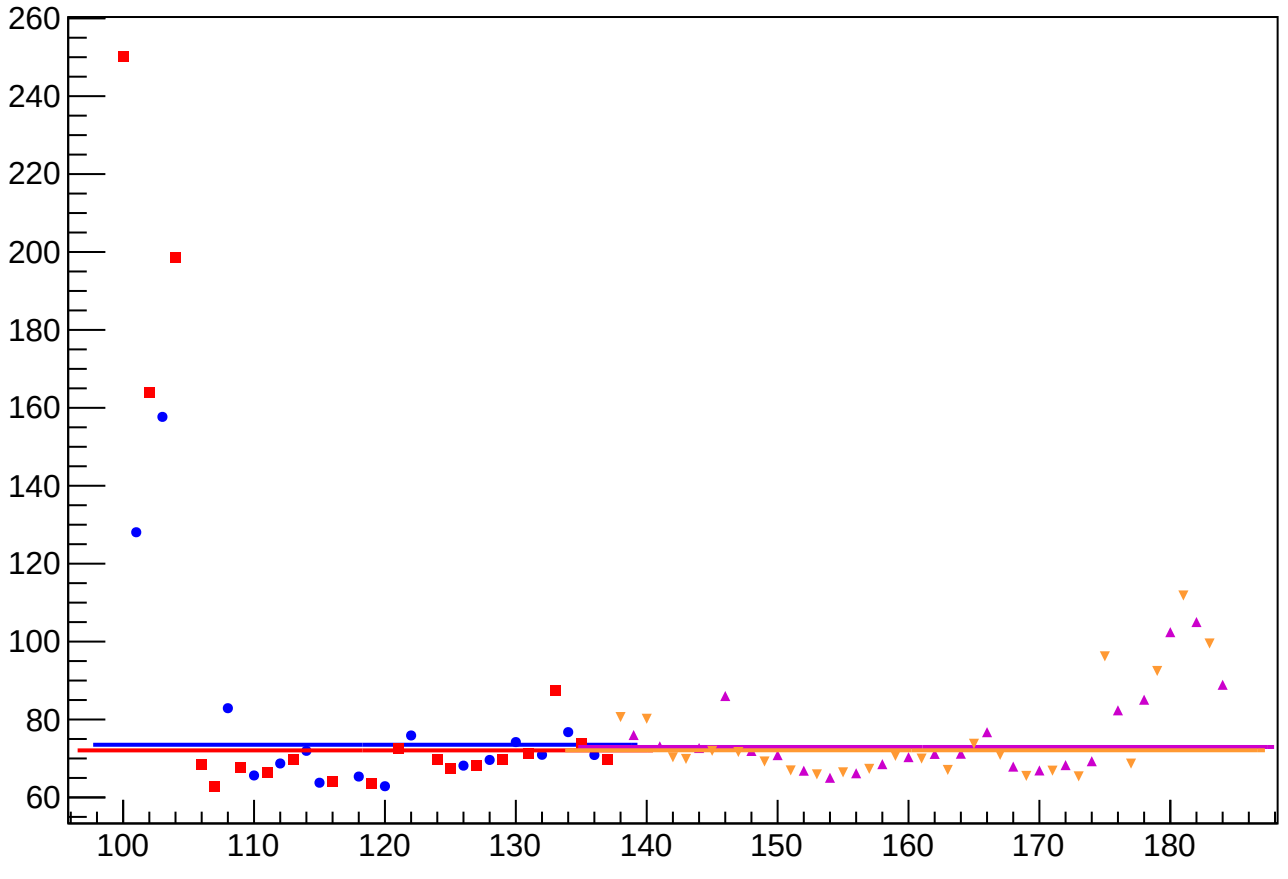
Left: 102.142+/-12.013 χ^2/NDF: 60.3/46

Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 59.257+/-14.706 χ^2/NDF:61.4/38

Out: 64.323+/-14.278 χ^2/NDF:82.4/42

All: 61.864+/-10.244 χ^2/NDF: 143.9/81



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: 72.948+/-0.012 χ^2/NDF:509028.7/22

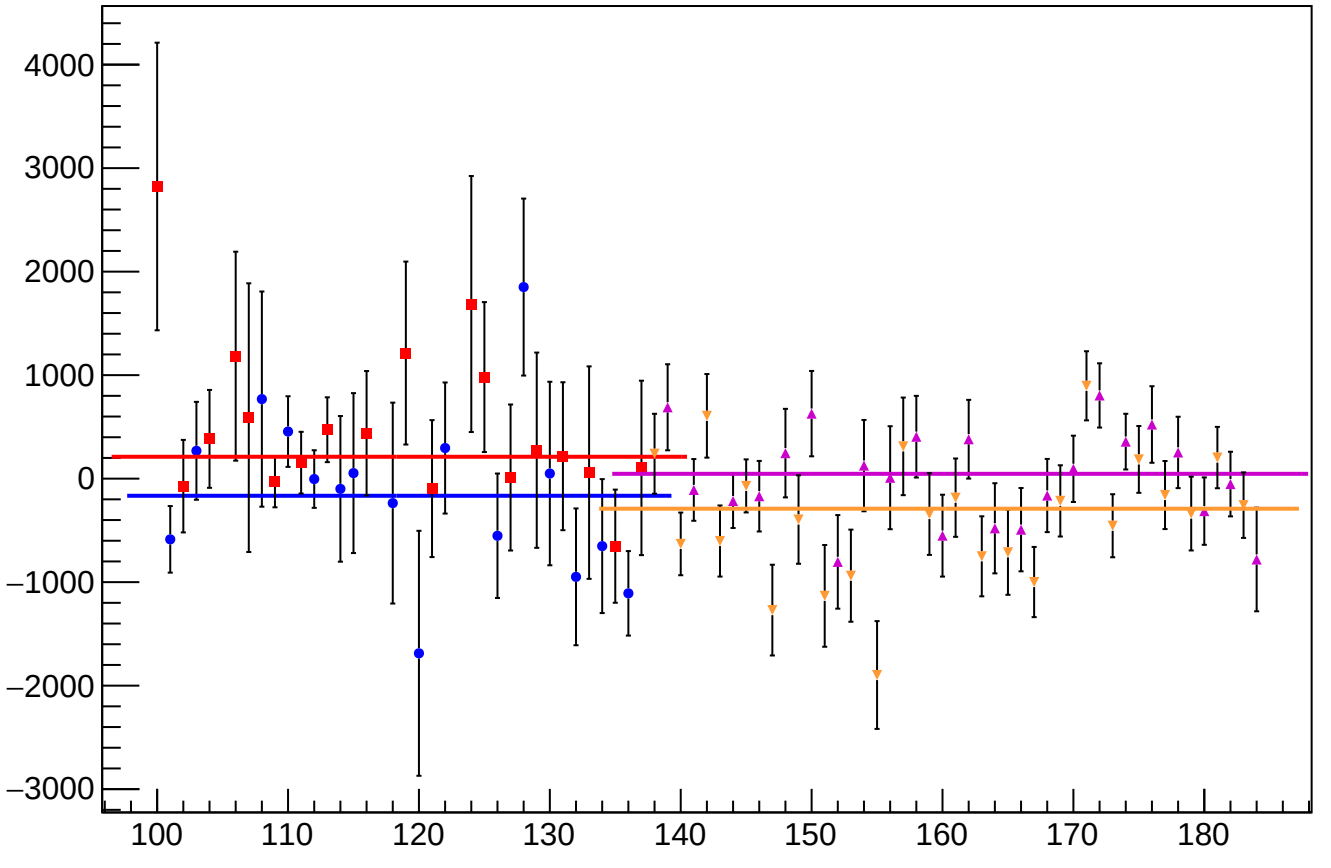
Left: 72.513+/-0.008 χ^2/NDF: 1152239.1/46

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 73.105+/-0.010 χ^2/NDF:1166477.3/38

Out: 72.095+/-0.010 χ^2/NDF:1599237.8/42

All: 72.585+/-0.007 χ^2/NDF: 2770564.5/81



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: 46.569+/-74.897 χ^2/NDF:30.7/22

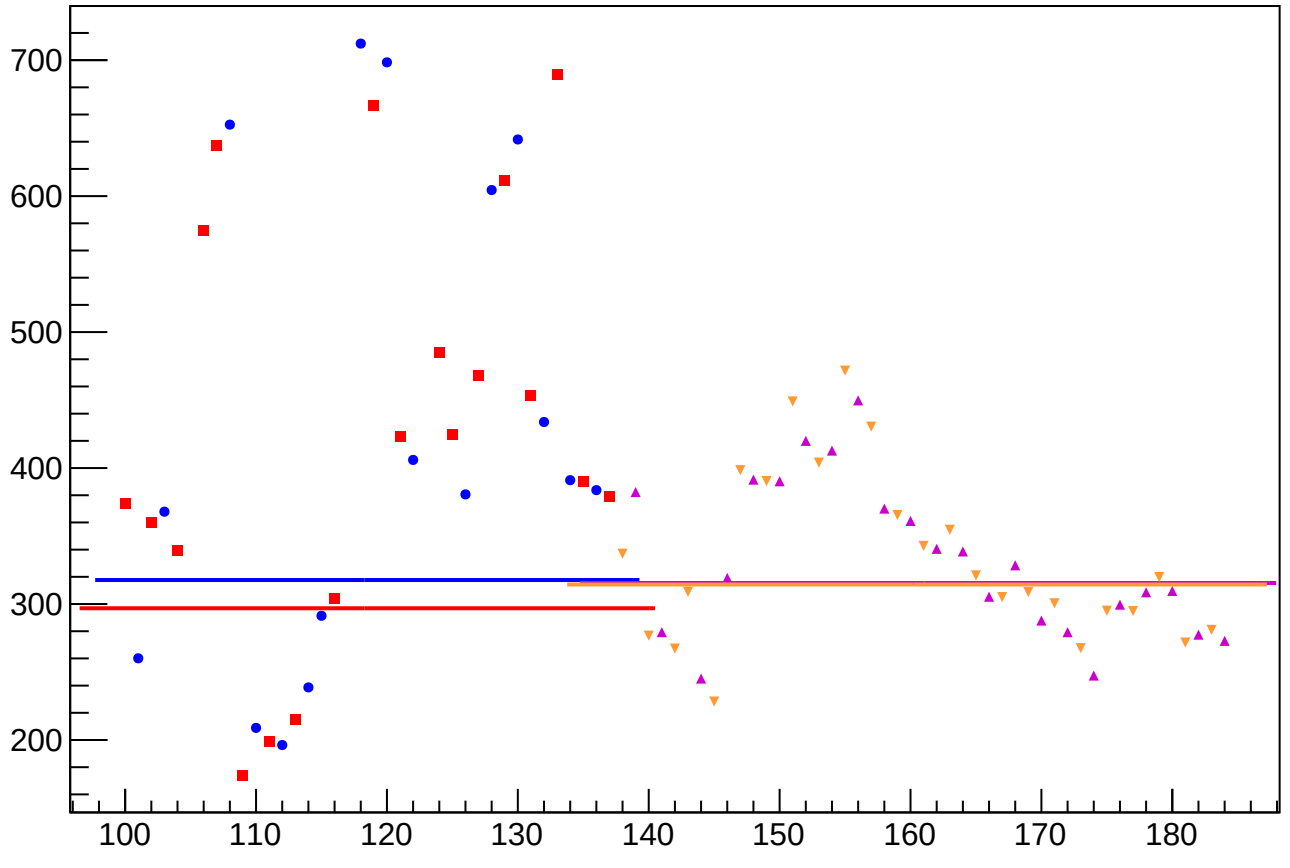
Left: -125.754+/-52.361 χ^2/NDF: 97.1/46

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -7.246+/-64.700 χ^2/NDF:55.4/38

Out: -154.517+/-62.528 χ^2/NDF:82.3/42

All: -83.395+/-44.962 χ^2/NDF: 140.4/81



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: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.896+/-0.037 χ^2/NDF: 2169592.4/46

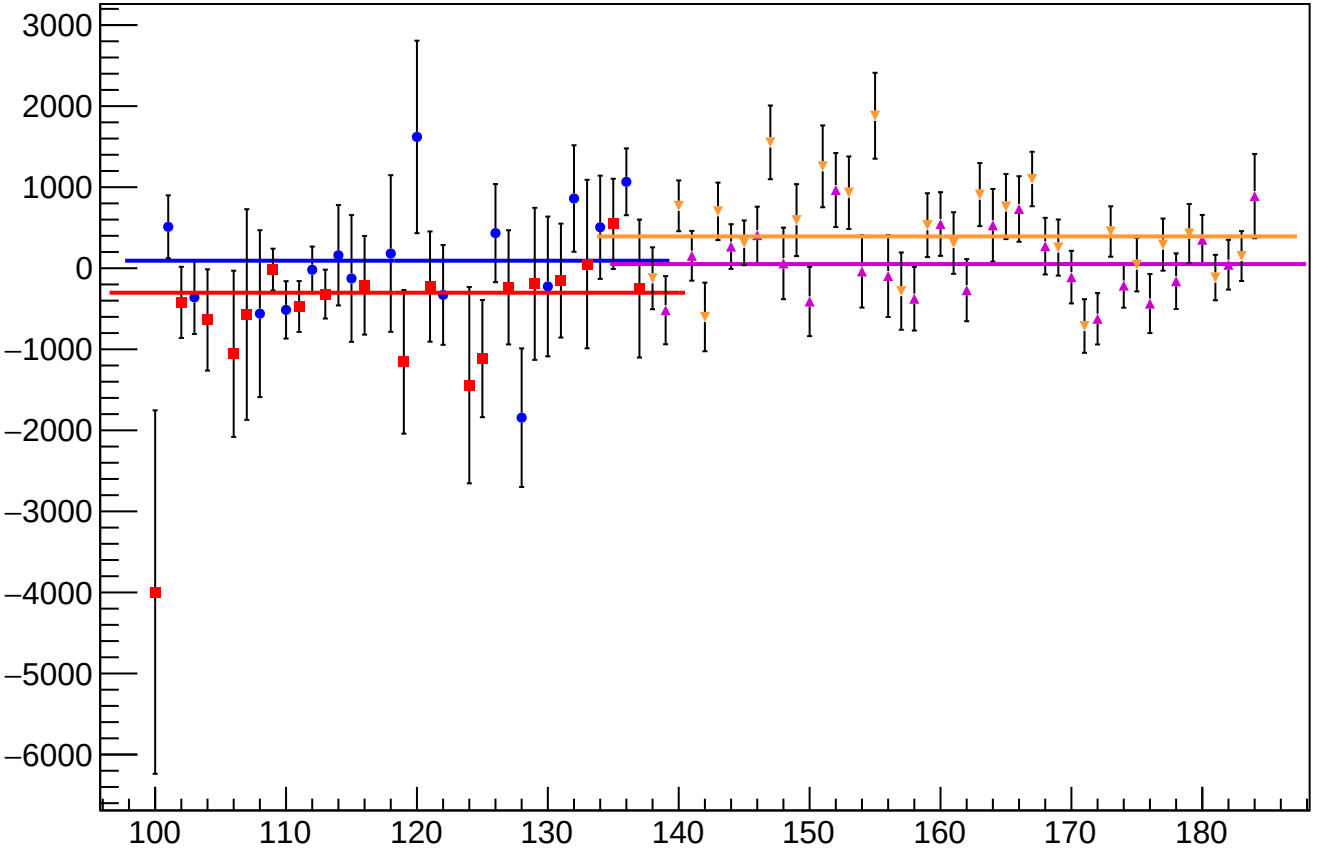
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 316.015+/-0.046 χ^2/NDF:3145186.5/38

Out: 309.627+/-0.044 χ^2/NDF:3732762.9/42

All: 312.712+/-0.032 χ^2/NDF: 6888032.5/81

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: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 225.825+/-52.859 χ^2/NDF: 92.9/46

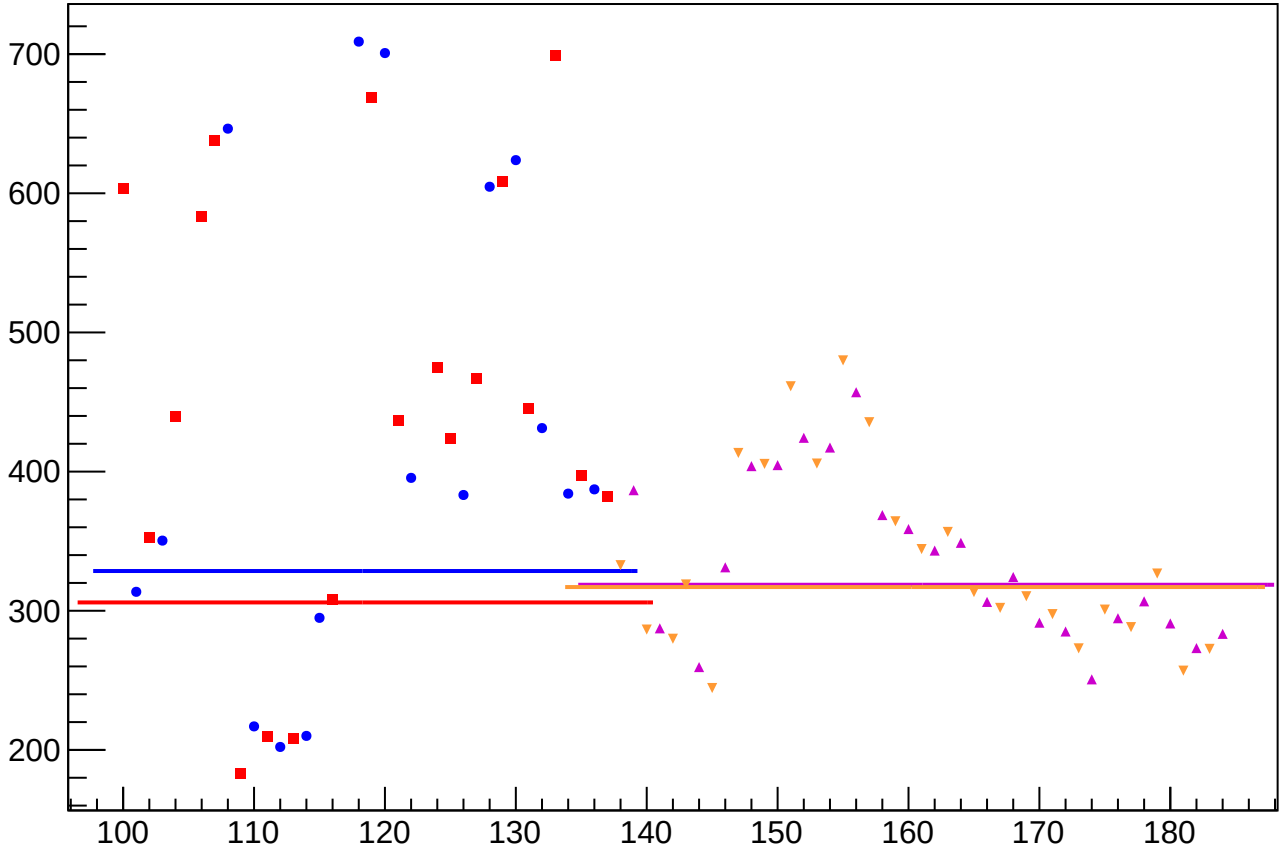
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 61.697+/-65.613 χ^2/NDF:49.1/38

Out: 210.072+/-63.475 χ^2/NDF:88.3/42

All: 138.340+/-45.621 χ^2/NDF: 140.0/81

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: 318.688+/-0.053 χ^2/NDF:991604.7/22

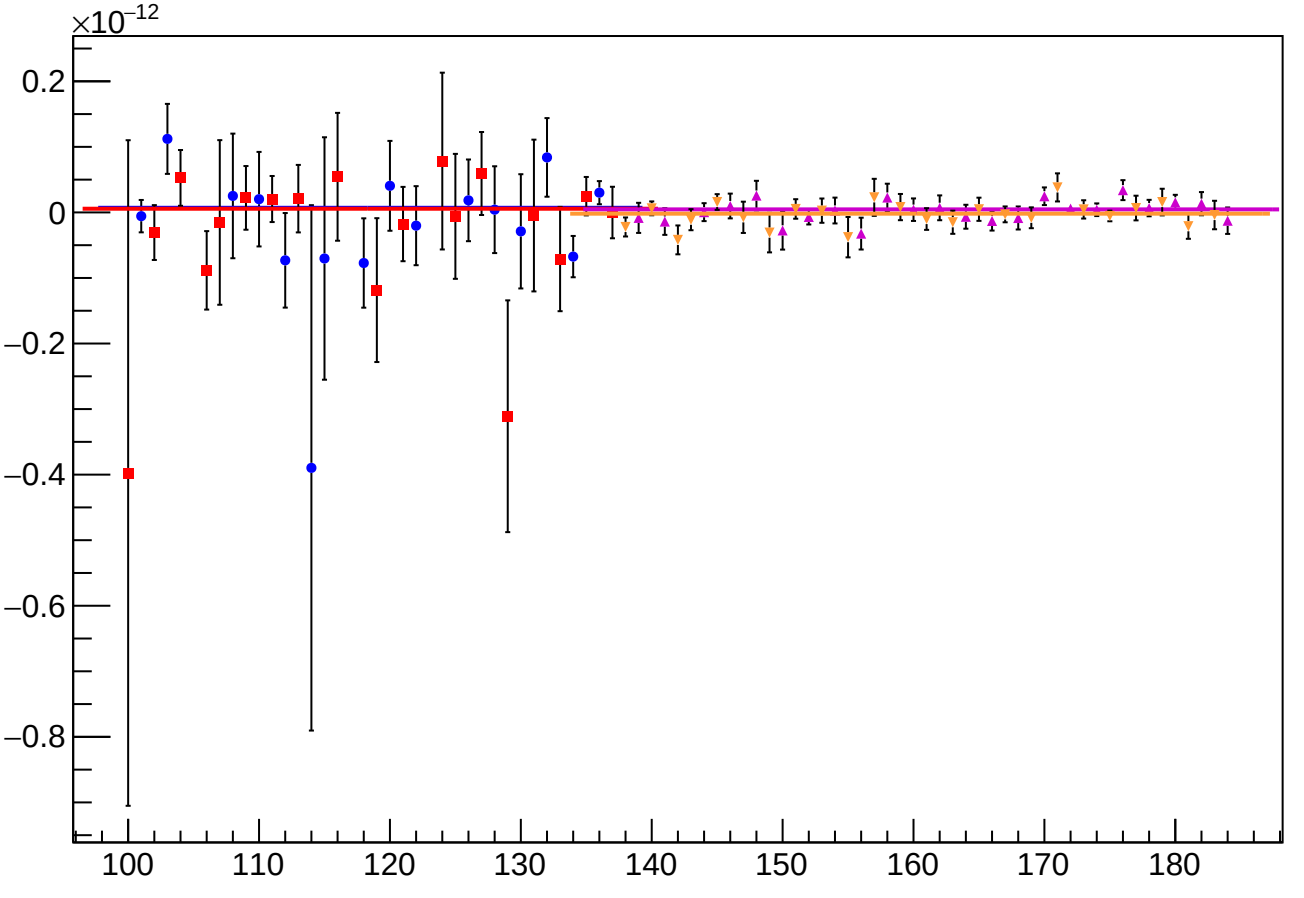
Left: 317.844+/-0.037 χ^2/NDF: 2159156.8/46

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 321.132+/-0.046 χ^2/NDF:2958917.6/38

Out: 314.138+/-0.045 χ^2/NDF:3706255.4/42

All: 317.519+/-0.032 χ^2/NDF: 6676911.3/81



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:17.7/22

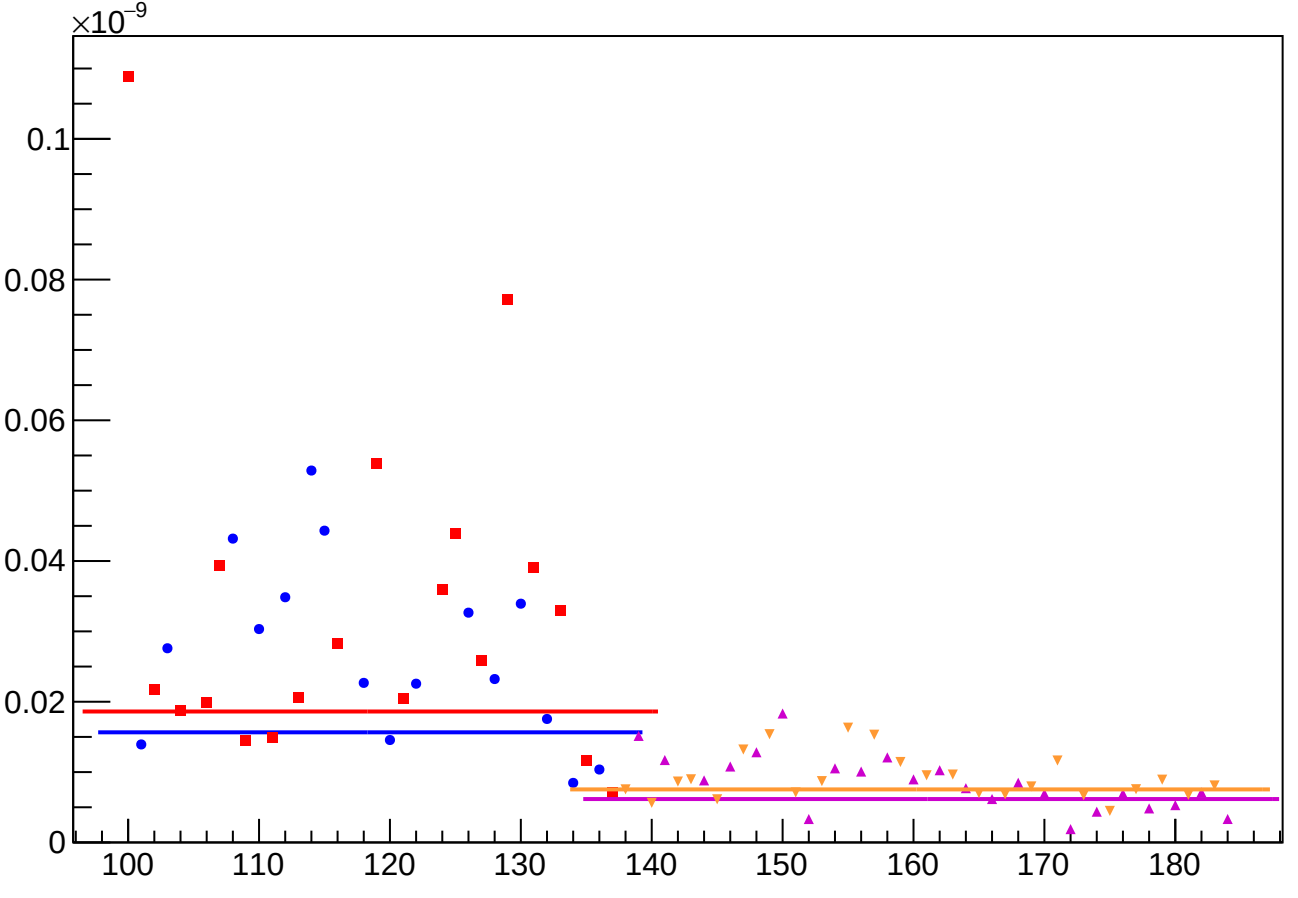
Left: 0.000+/-0.000 χ^2/NDF: 38.8/46

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:35.4/38

Out: -0.000+/-0.000 χ^2/NDF:32.1/42

All: 0.000+/-0.000 χ^2/NDF: 69.7/81



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:2784673.9/22

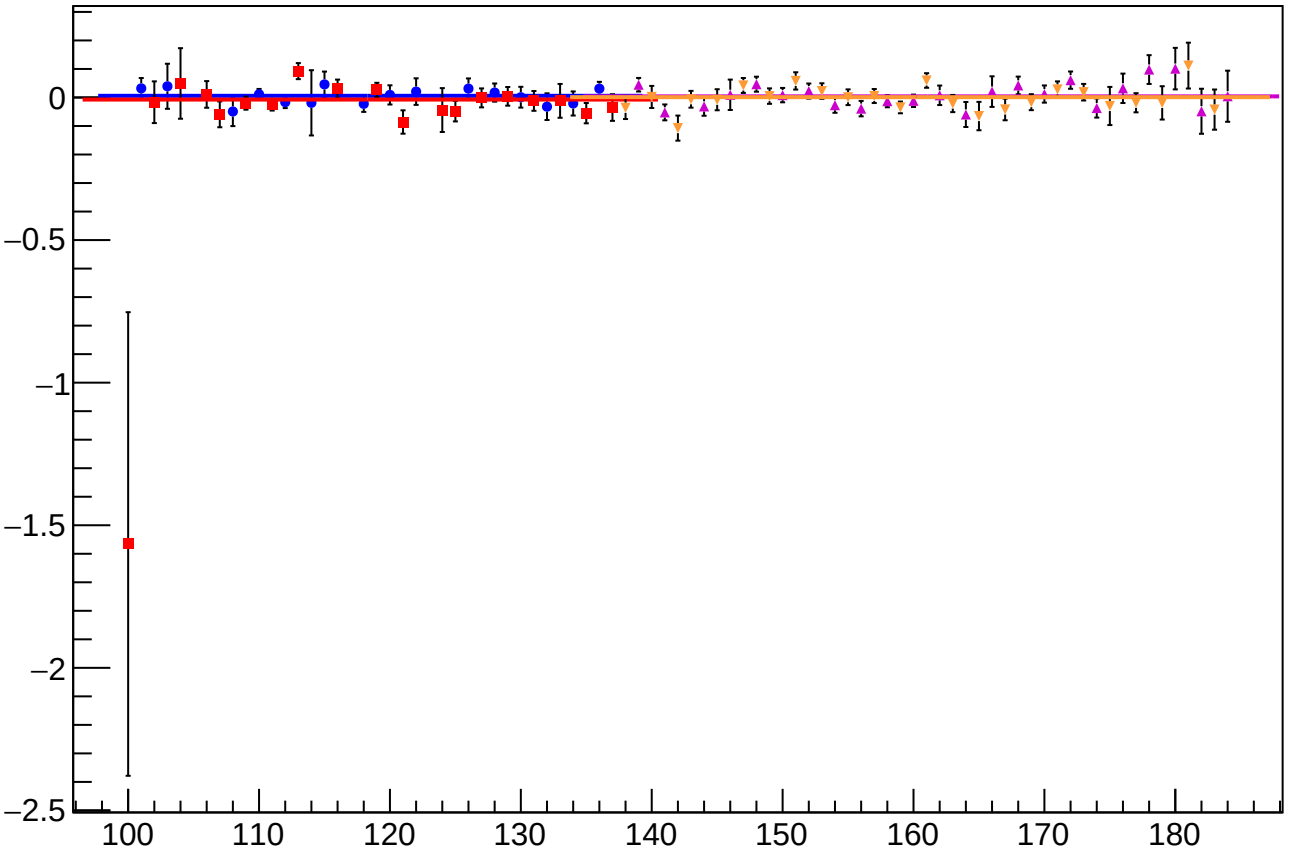
Left: 0.000+/-0.000 χ^2/NDF: 4182958.4/46

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:5343028.4/38

Out: 0.000+/-0.000 χ^2/NDF:3835048.4/42

All: 0.000+/-0.000 χ^2/NDF: 9380624.8/81



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:31.1/22

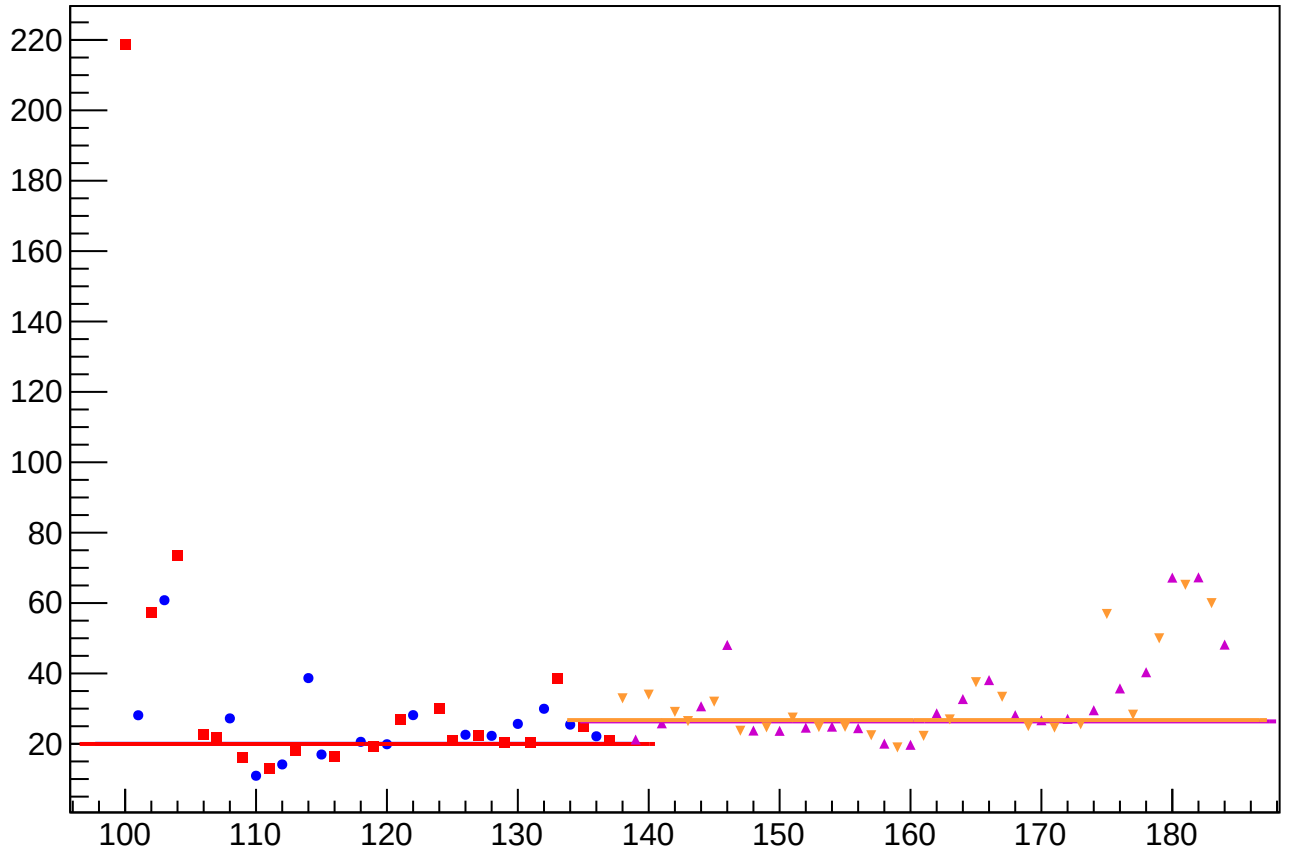
Left: 0.003+/-0.005 χ^2/NDF: 61.5/46

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.005+/-0.005 χ^2/NDF:39.0/38

Out: -0.002+/-0.005 χ^2/NDF:60.7/42

All: 0.001+/-0.004 χ^2/NDF: 100.7/81



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: 26.376+/-0.005 χ^2/NDF:2566400.7/22

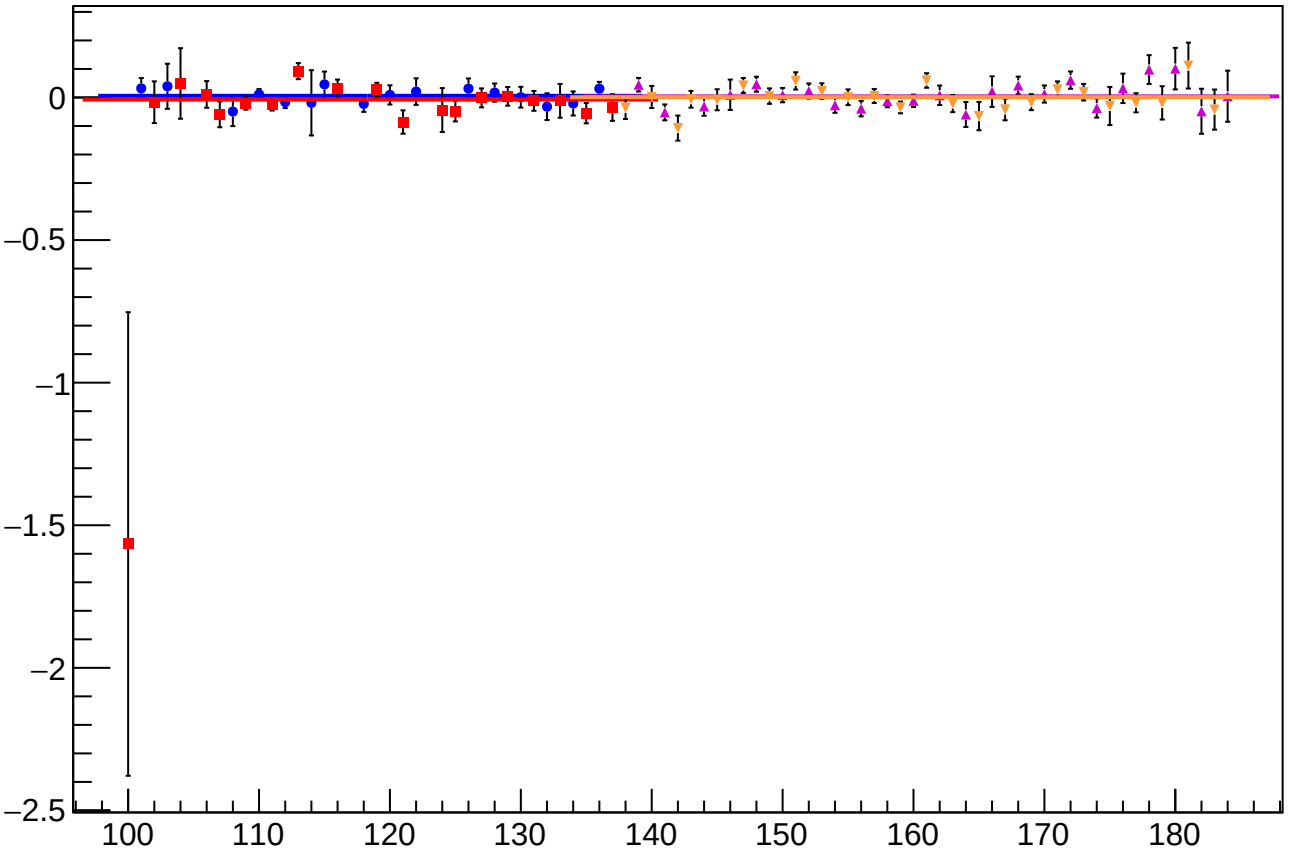
Left: 26.563+/-0.003 χ^2/NDF: 5008667.5/46

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.856+/-0.004 χ^2/NDF:4944855.2/38

Out: 24.075+/-0.004 χ^2/NDF:5007259.4/42

All: 23.967+/-0.003 χ^2/NDF: 9953946.4/81



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:31.1/22

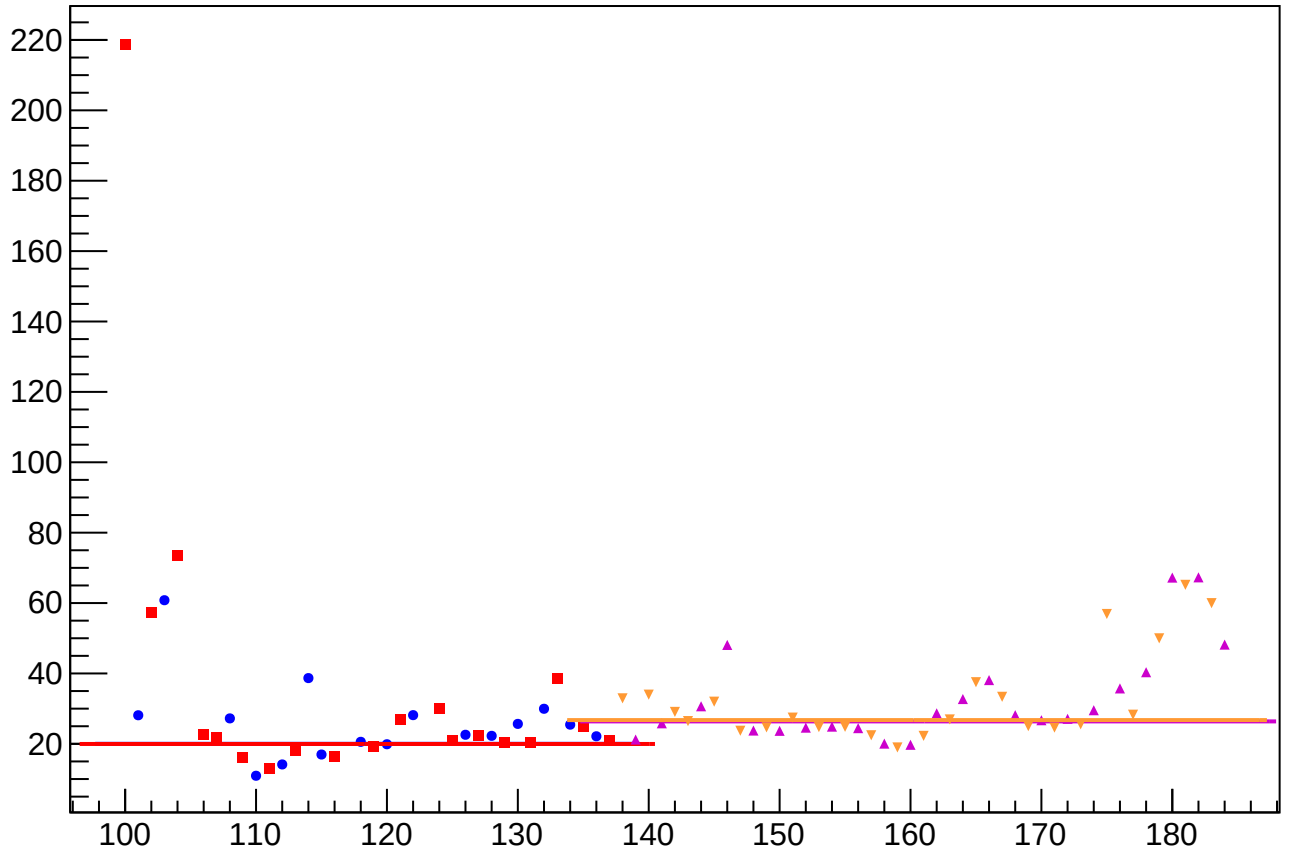
Left: 0.003+/-0.005 χ^2/NDF: 61.5/46

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.005+/-0.005 χ^2/NDF:39.0/38

Out: -0.002+/-0.005 χ^2/NDF:60.7/42

All: 0.001+/-0.004 χ^2/NDF: 100.7/81



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: 26.376+/-0.005 χ^2/NDF:2566400.7/22

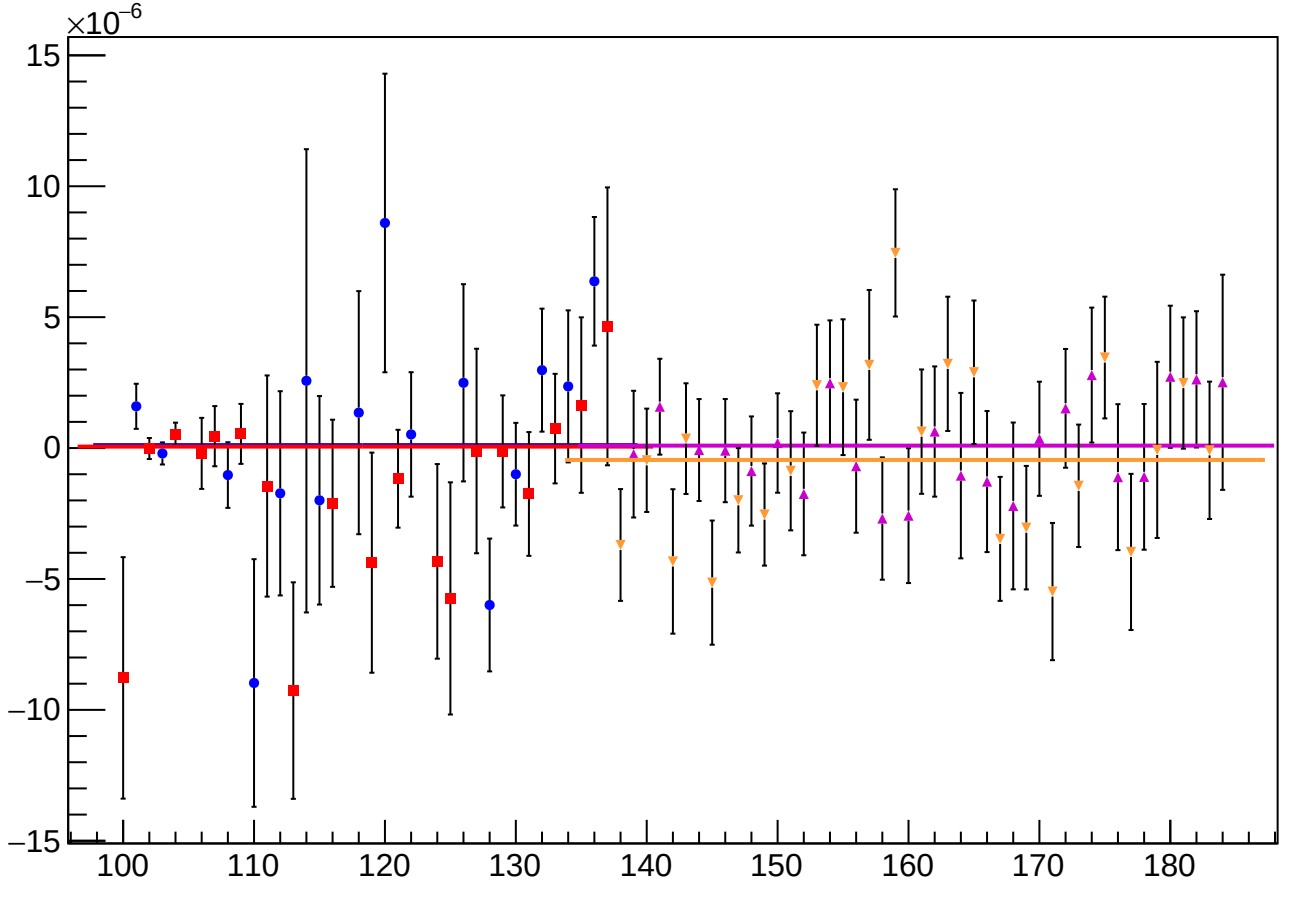
Left: 26.563+/-0.003 χ^2/NDF: 5008667.5/46

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.856+/-0.004 χ^2/NDF:4944855.2/38

Out: 24.075+/-0.004 χ^2/NDF:5007259.4/42

All: 23.967+/-0.003 χ^2/NDF: 9953946.4/81



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:10.2/22

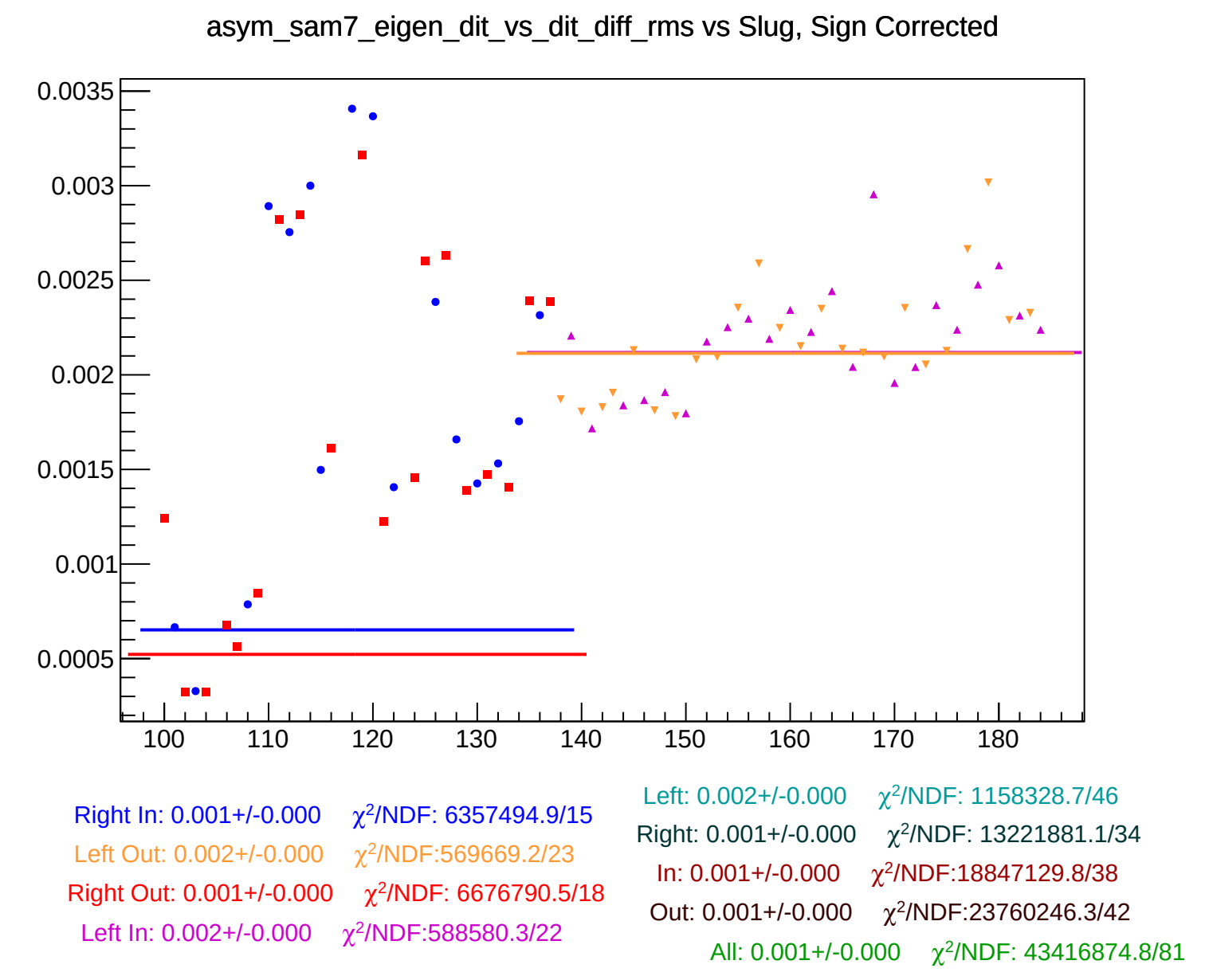
Left: -0.000+/-0.000 χ^2/NDF: 51.8/46

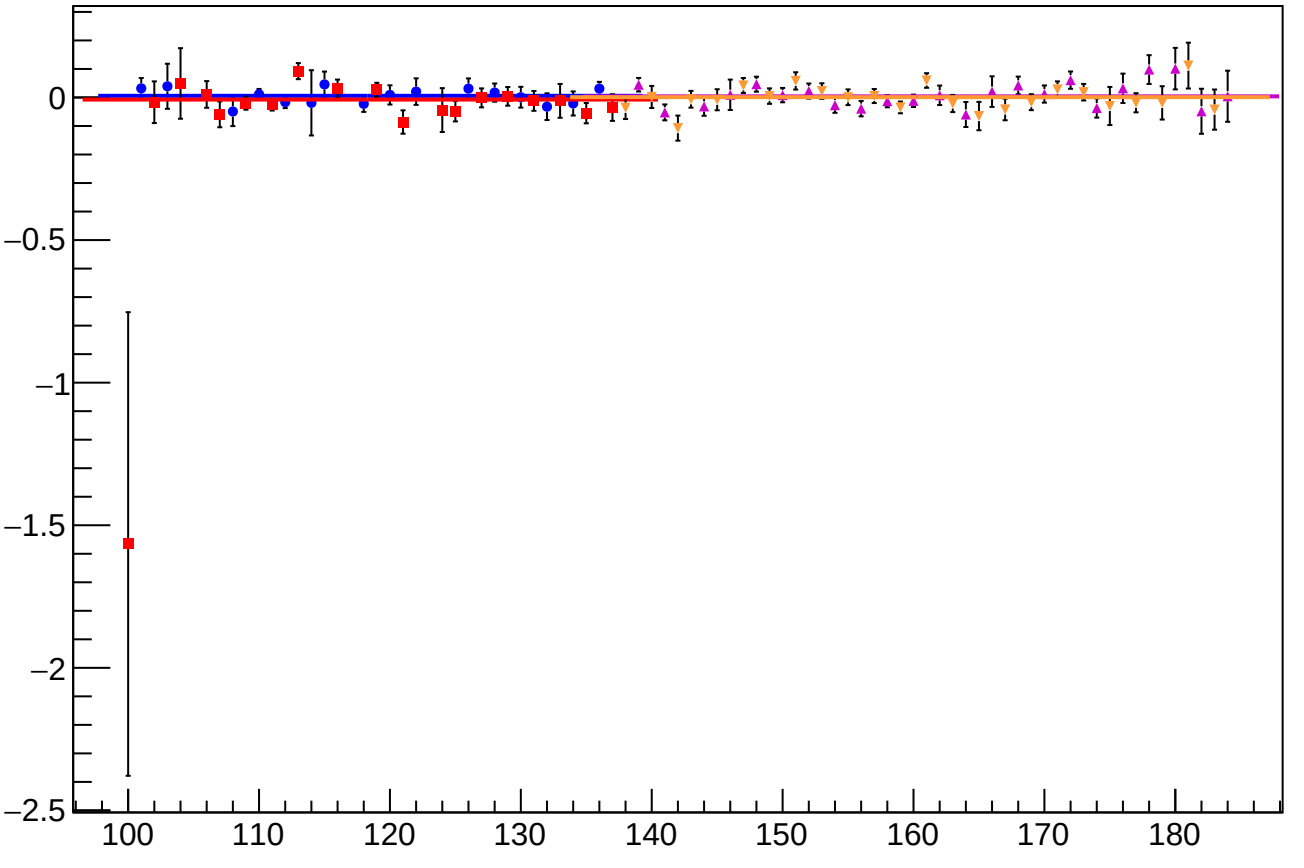
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:36.2/38

Out: -0.000+/-0.000 χ^2/NDF:59.0/42

All: 0.000+/-0.000 χ^2/NDF: 95.4/81


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:588580.3/22
Left: 0.002+/-0.000 χ²/NDF: 1158328.7/46
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:18847129.8/38
Out: 0.001+/-0.000 χ²/NDF:23760246.3/42
All: 0.001+/-0.000 χ²/NDF: 43416874.8/81



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:31.1/22

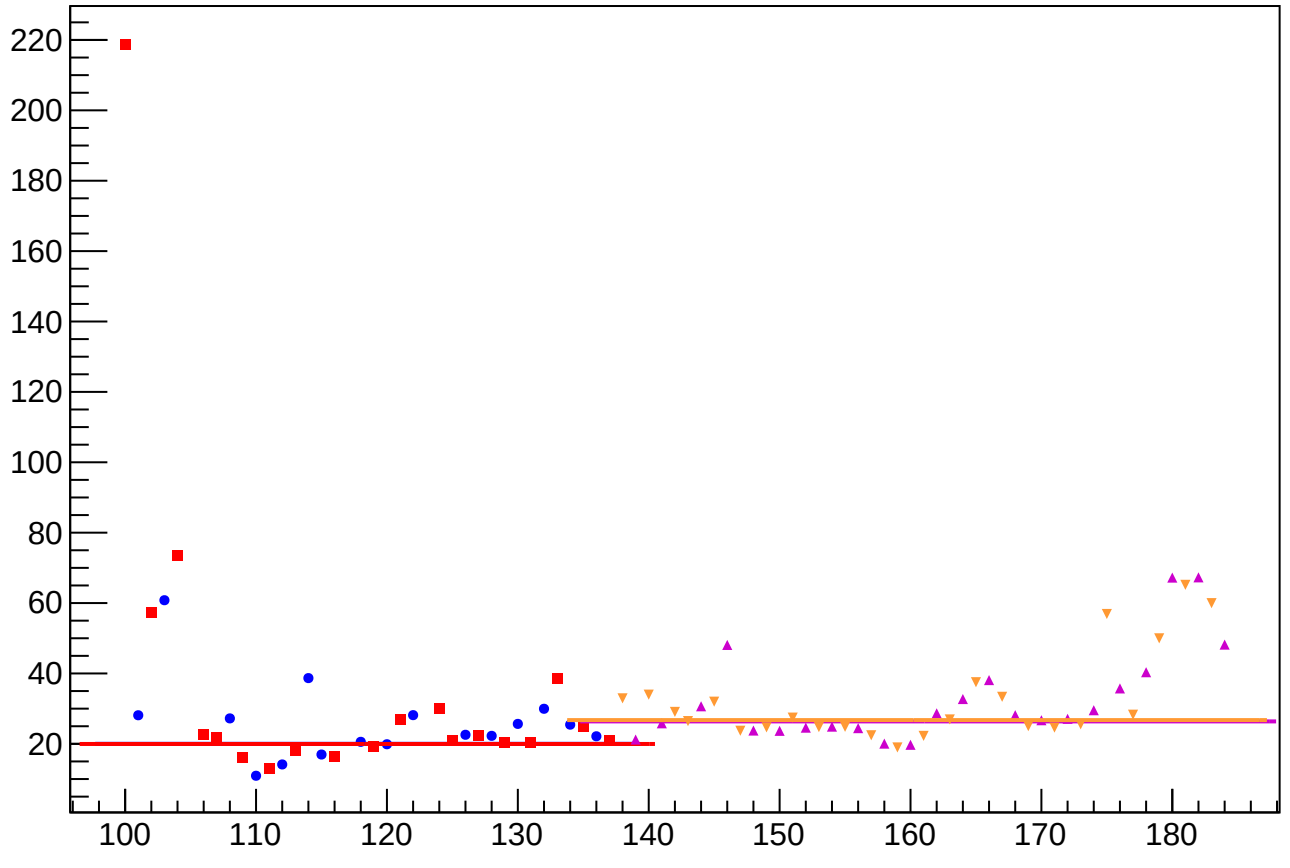
Left: 0.003+/-0.005 χ^2/NDF: 61.5/46

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.005+/-0.005 χ^2/NDF:39.0/38

Out: -0.002+/-0.005 χ^2/NDF:60.7/42

All: 0.001+/-0.004 χ^2/NDF: 100.7/81



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: 26.376+/-0.005 χ^2/NDF:2566477.5/22

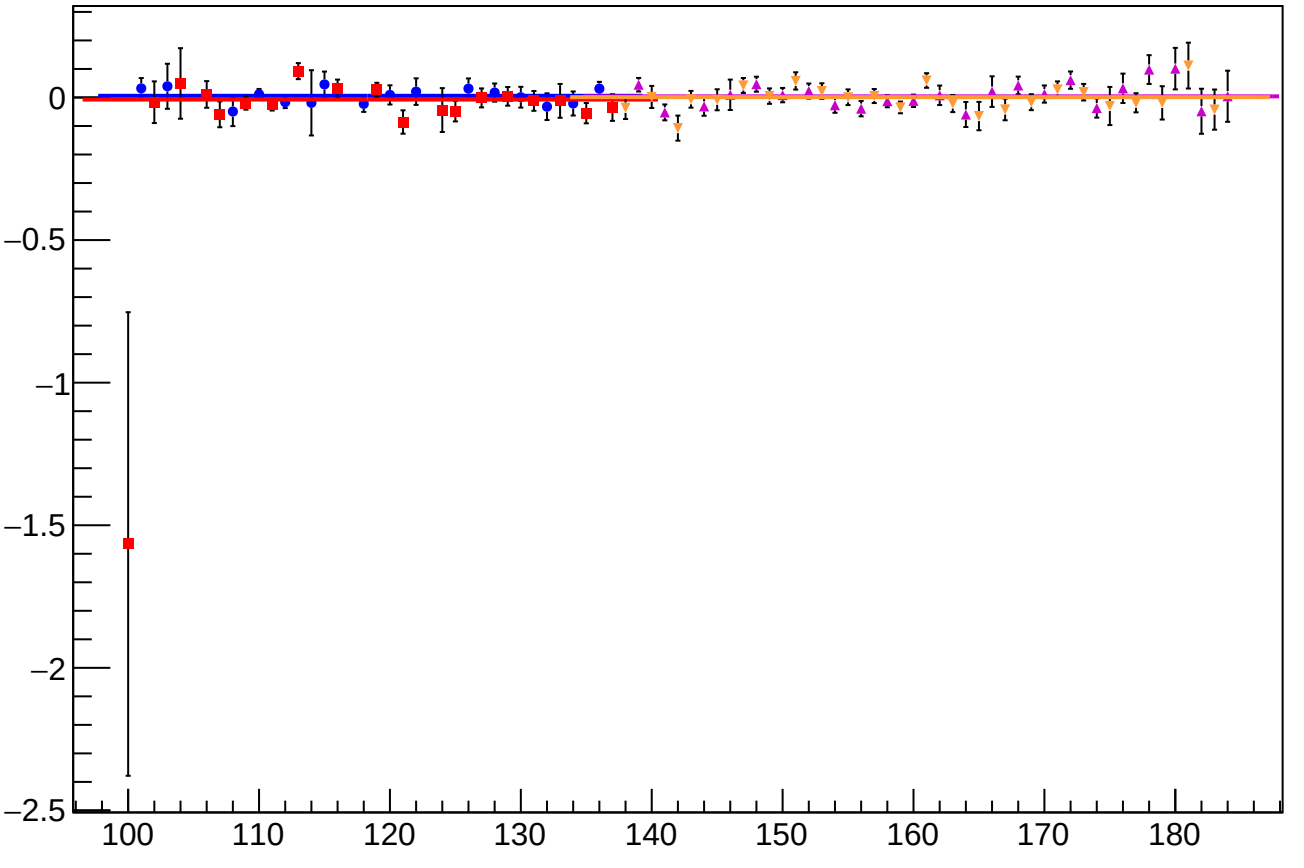
Left: 26.563+/-0.003 χ^2/NDF: 5008790.3/46

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.857+/-0.004 χ^2/NDF:4944630.4/38

Out: 24.075+/-0.004 χ^2/NDF:5007207.0/42

All: 23.967+/-0.003 χ^2/NDF: 9953666.7/81



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:31.1/22

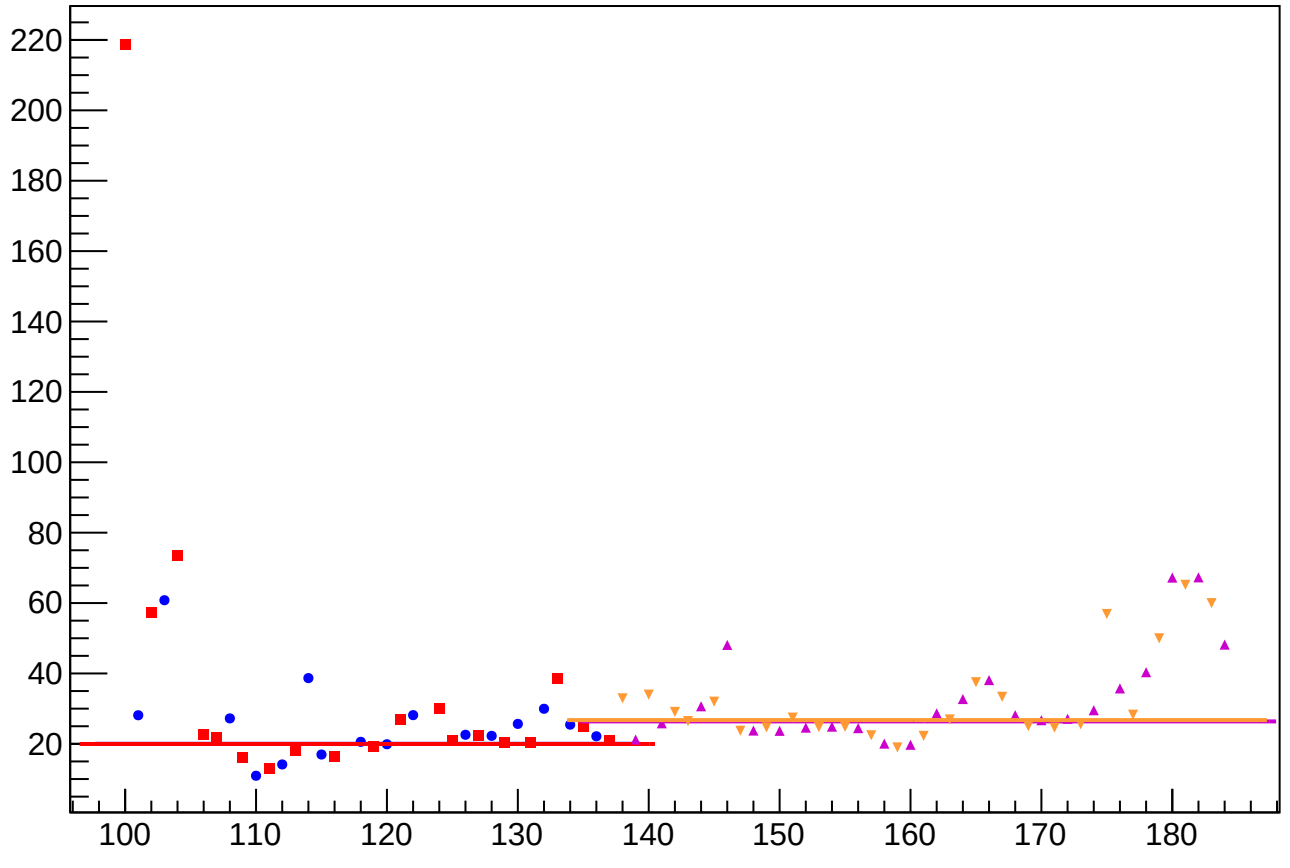
Left: 0.003+/-0.005 χ^2/NDF: 61.5/46

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.005+/-0.005 χ^2/NDF:39.0/38

Out: -0.002+/-0.005 χ^2/NDF:60.7/42

All: 0.001+/-0.004 χ^2/NDF: 100.7/81



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: 26.376+/-0.005 χ^2/NDF:2566477.5/22

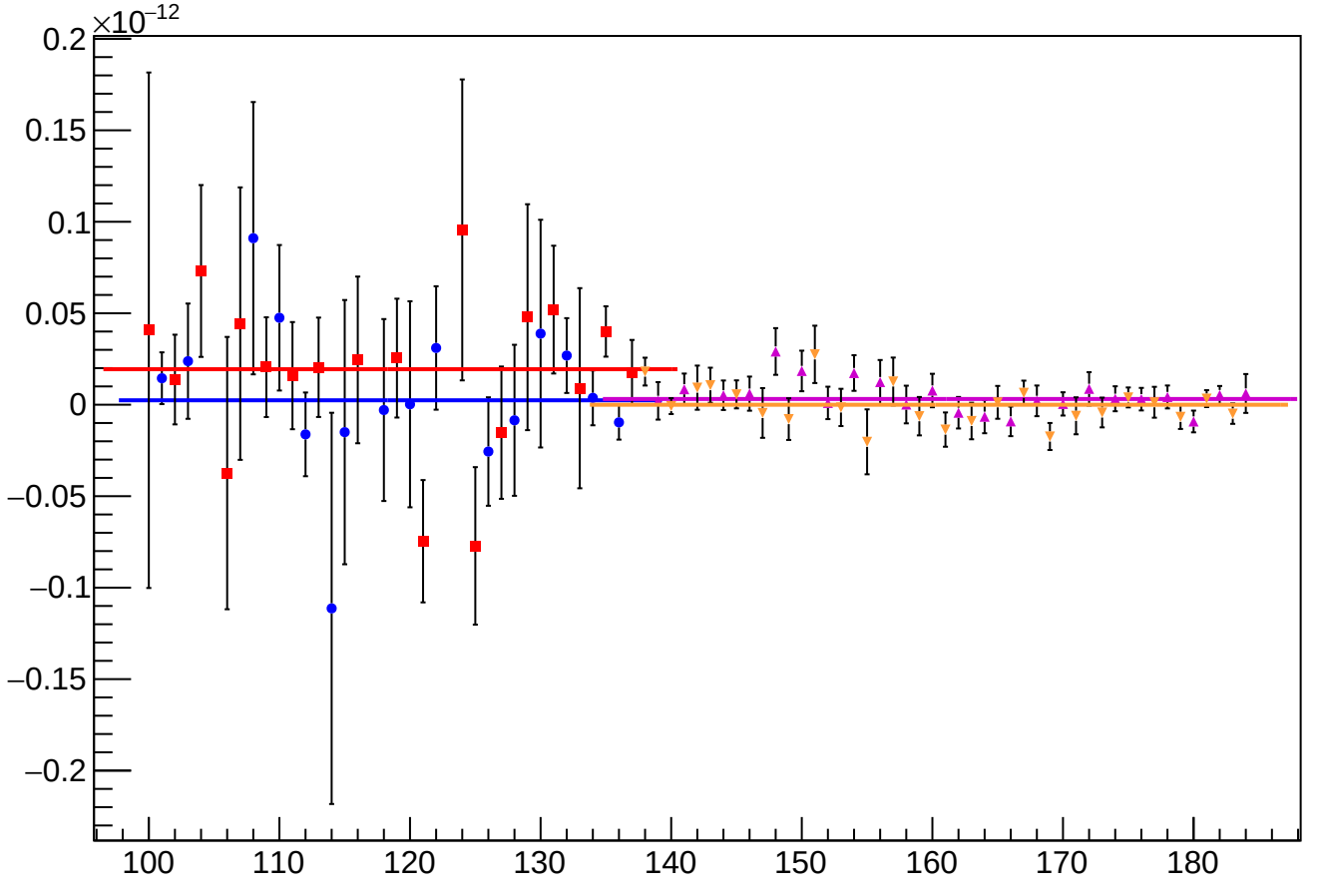
Left: 26.563+/-0.003 χ^2/NDF: 5008790.3/46

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.857+/-0.004 χ^2/NDF:4944630.4/38

Out: 24.075+/-0.004 χ^2/NDF:5007207.0/42

All: 23.967+/-0.003 χ^2/NDF: 9953666.7/81



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:19.1/22

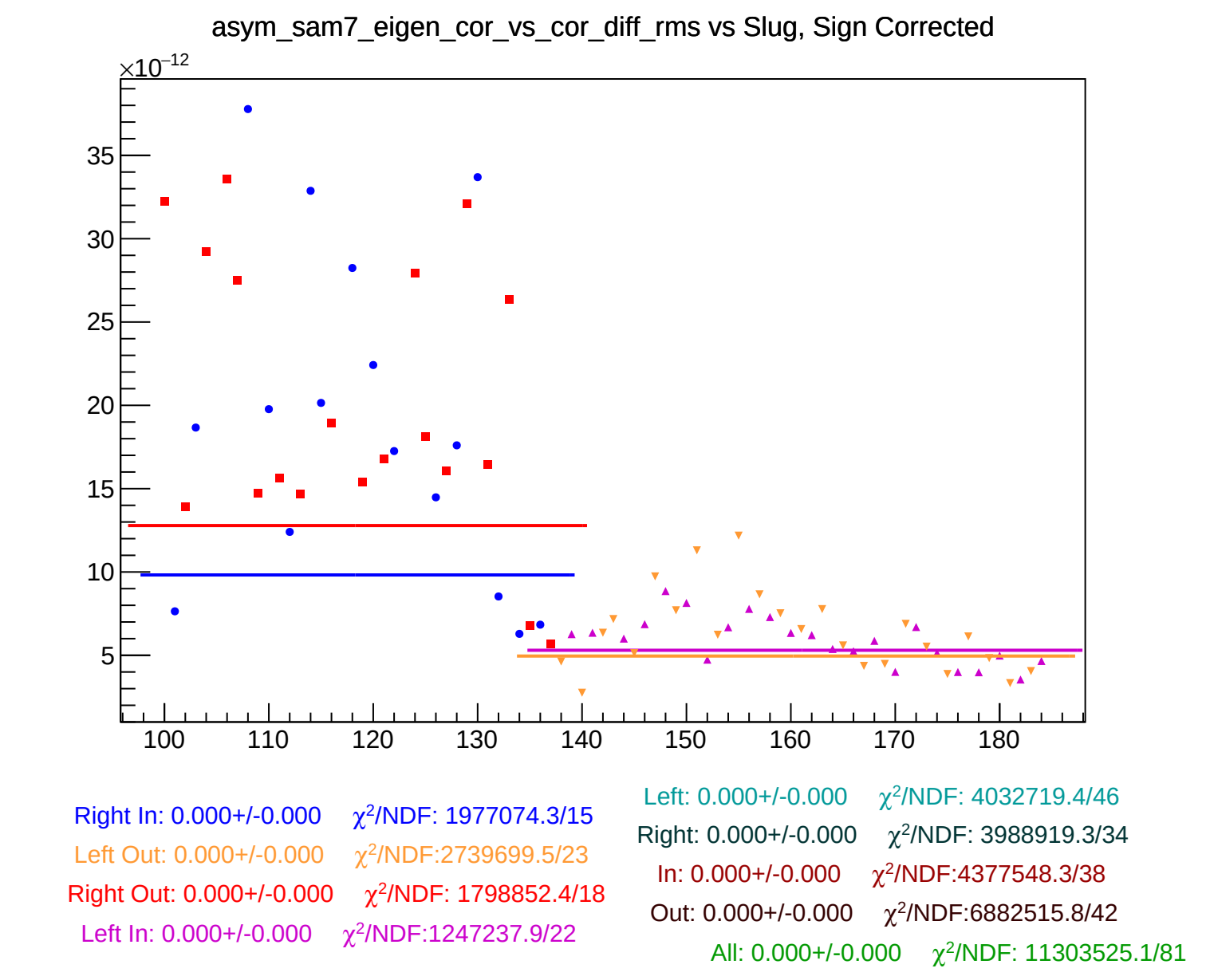
Left: 0.000+/-0.000 χ^2/NDF: 48.2/46

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

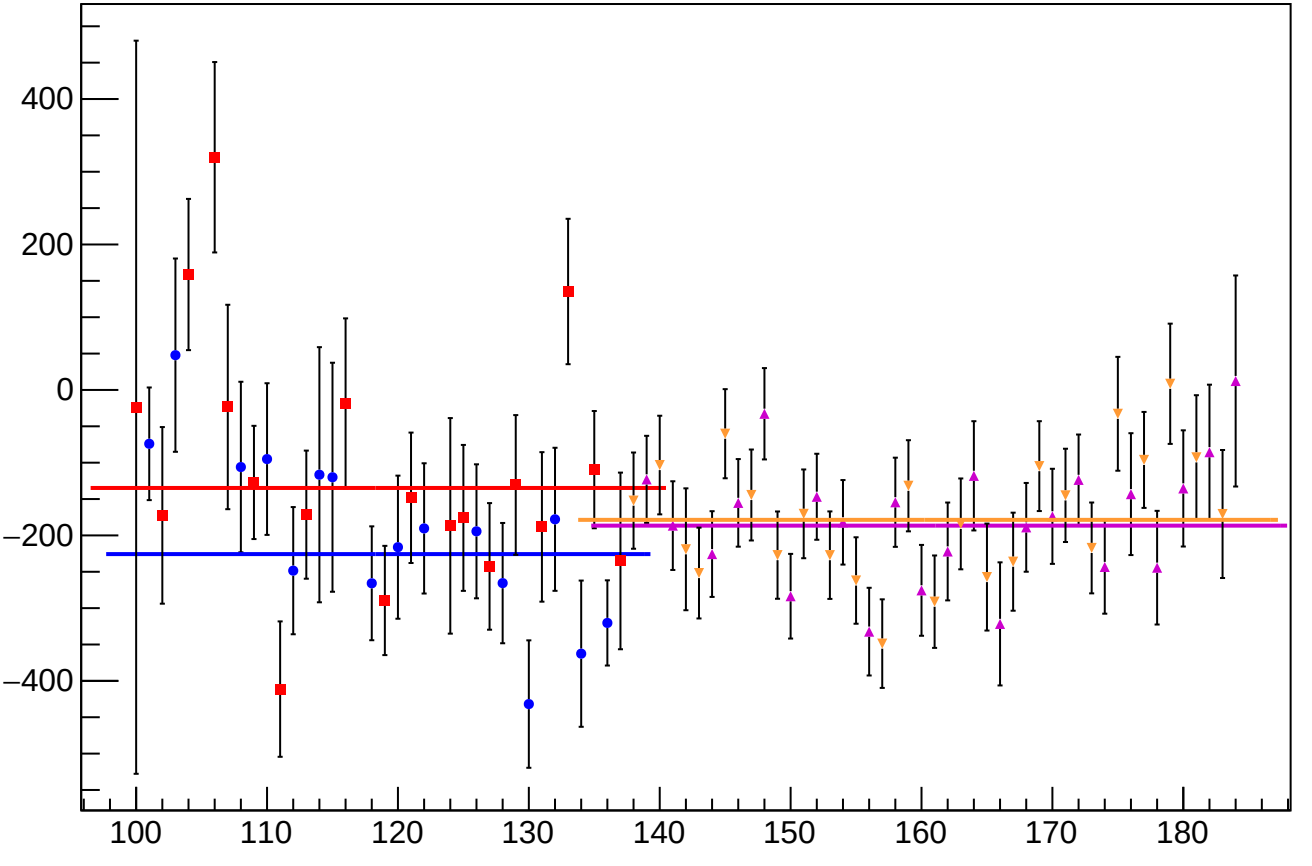
In: 0.000+/-0.000 χ^2/NDF:29.9/38

Out: 0.000+/-0.000 χ^2/NDF:54.7/42

All: 0.000+/-0.000 χ^2/NDF: 85.6/81


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2739699.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:1247237.9/22
Left: 0.000+/-0.000 χ²/NDF: 4032719.4/46
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:4377548.3/38
Out: 0.000+/-0.000 χ²/NDF:6882515.8/42
All: 0.000+/-0.000 χ²/NDF: 11303525.1/81

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: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -182.489+/-9.677 χ^2/NDF: 66.1/46

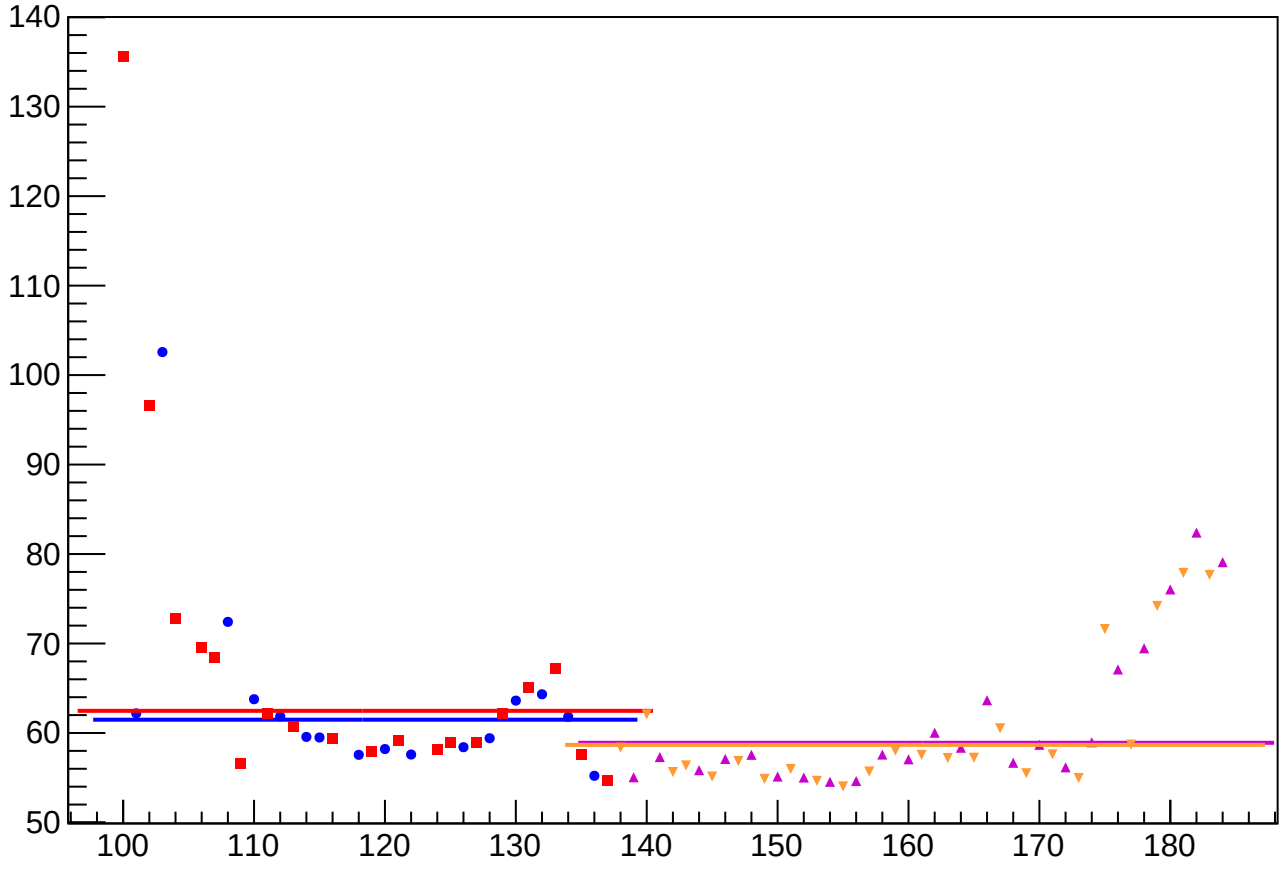
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -196.911+/-11.887 χ^2/NDF:53.7/38

Out: -167.493+/-11.678 χ^2/NDF:84.9/42

All: -181.941+/-8.331 χ^2/NDF: 141.7/81

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: 58.906+/-0.010 χ^2/NDF:386820.4/22

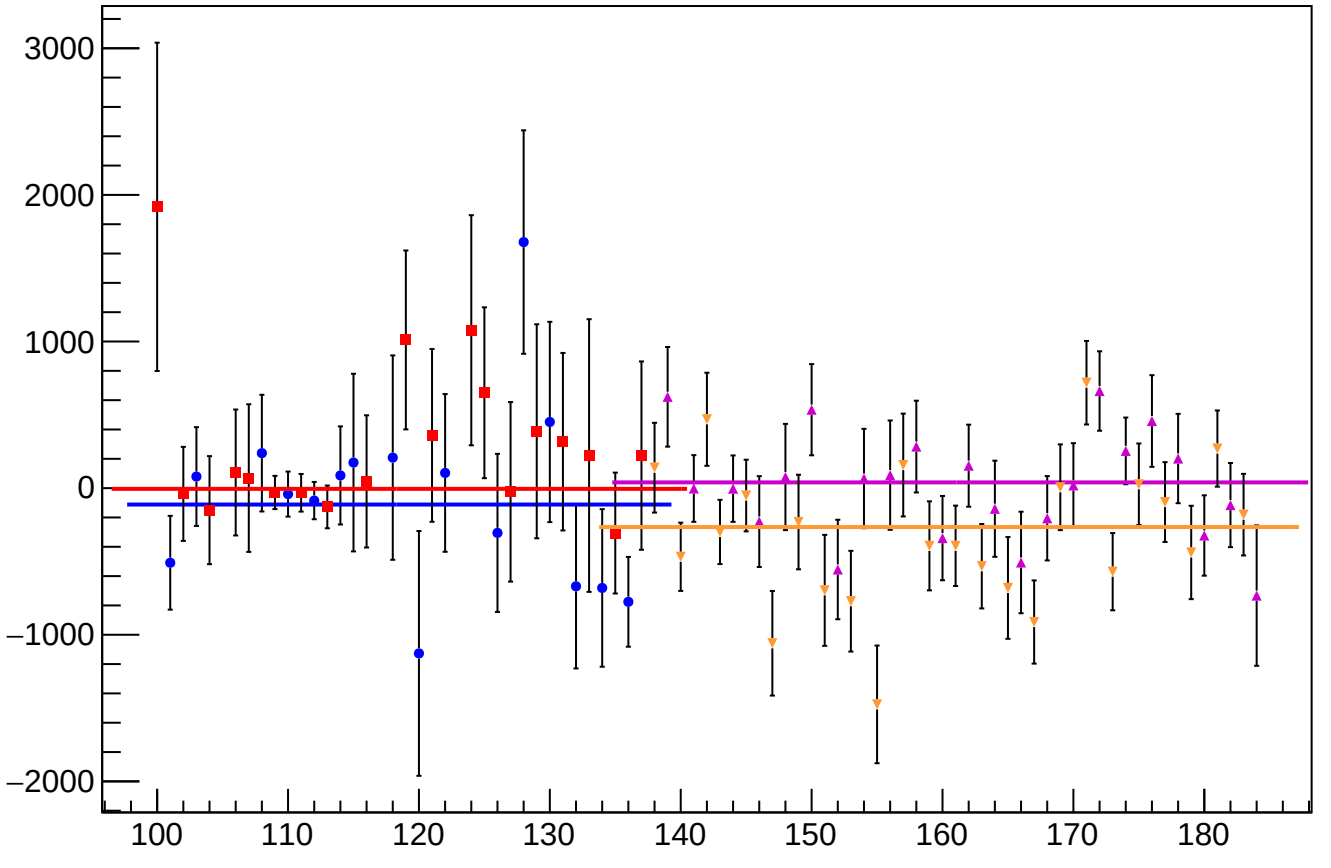
Left: 58.786+/-0.007 χ^2/NDF: 780445.8/46

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 59.588+/-0.008 χ^2/NDF:655808.5/38

Out: 59.636+/-0.008 χ^2/NDF:714661.2/42

All: 59.612+/-0.006 χ^2/NDF: 1370486.0/81



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: 39.147+/-61.883 χ^2/NDF:28.3/22

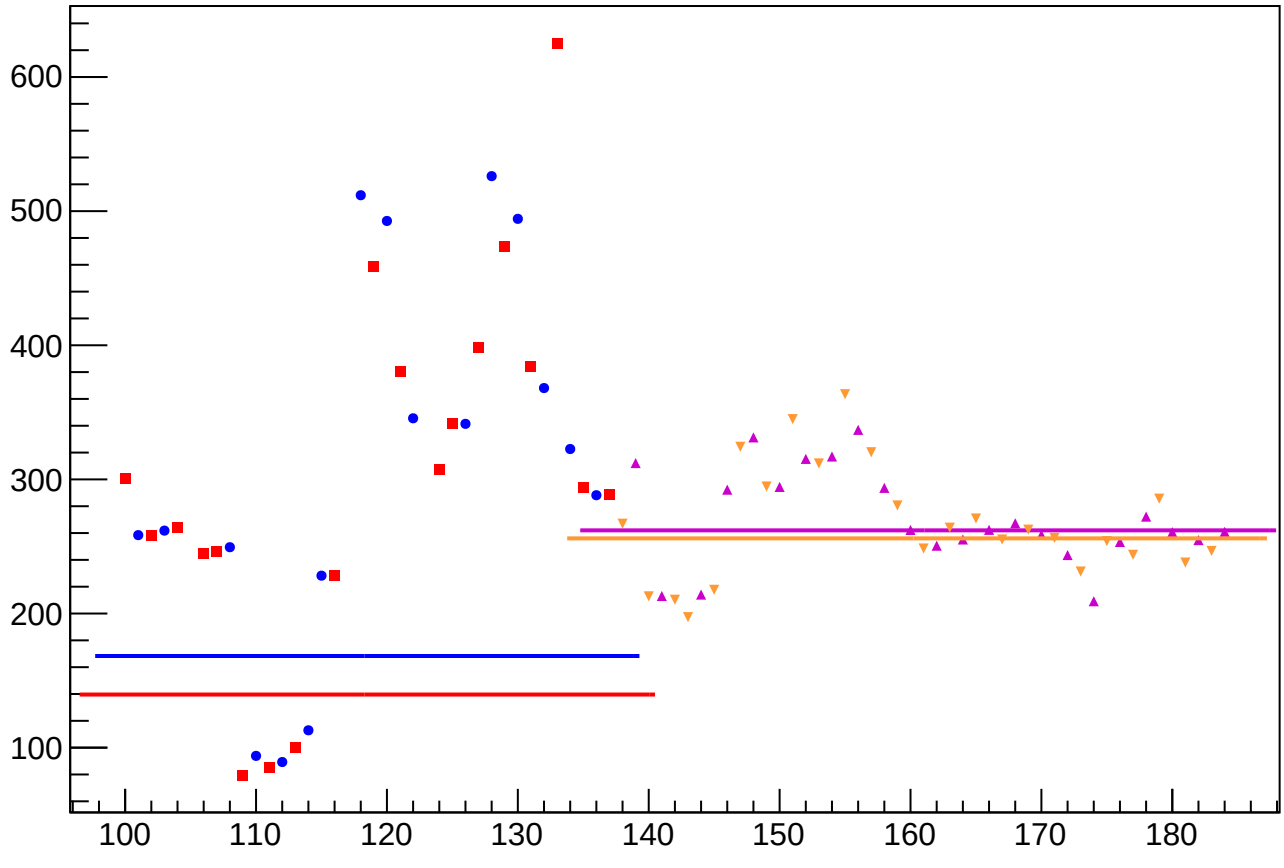
Left: -119.353+/-42.856 χ^2/NDF: 96.7/46

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -20.864+/-48.040 χ^2/NDF:49.2/38

Out: -144.705+/-43.519 χ^2/NDF:76.3/42

All: -88.885+/-32.253 χ^2/NDF: 129.2/81



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: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.897+/-0.030 χ^2/NDF: 1534101.1/46

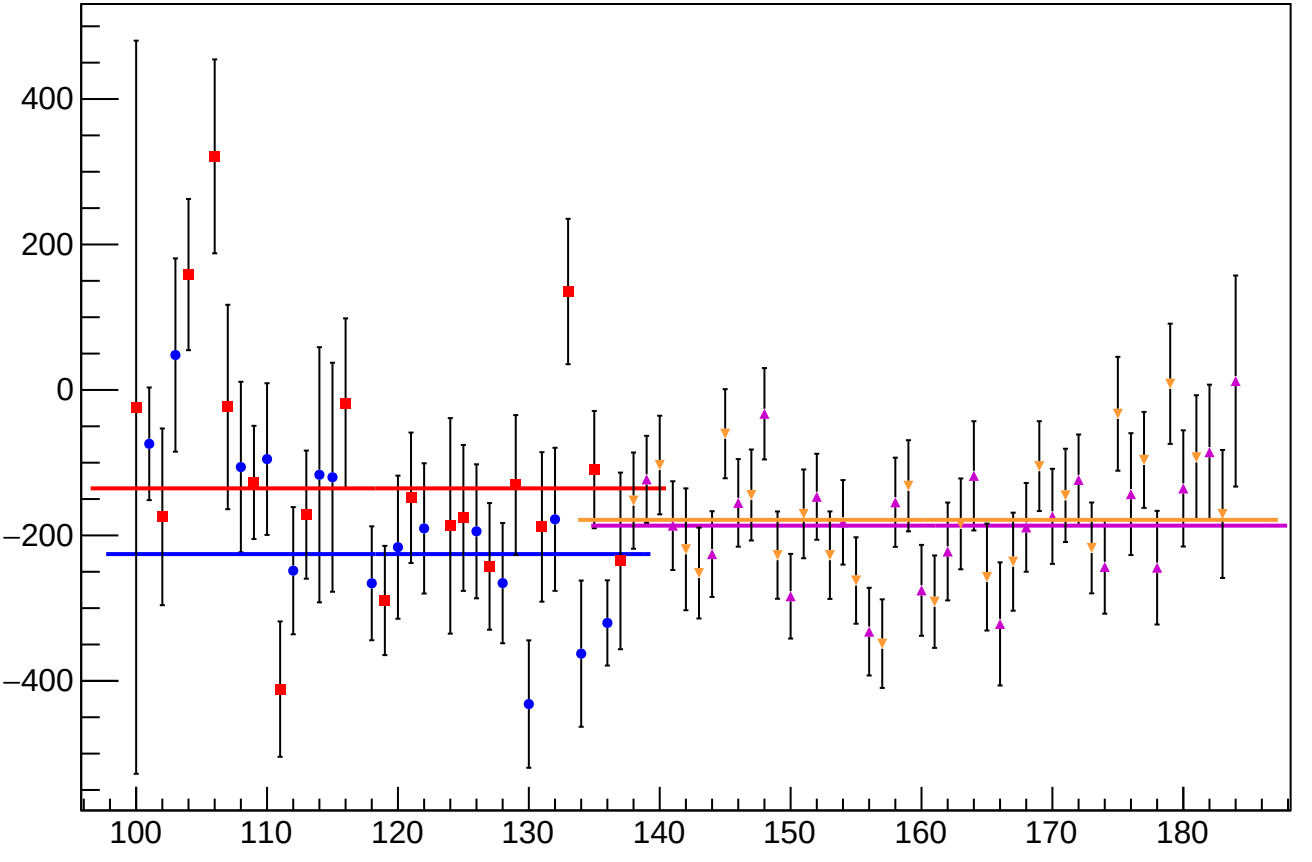
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 224.785+/-0.034 χ^2/NDF:7035677.0/38

Out: 202.079+/-0.031 χ^2/NDF:9568010.6/42

All: 212.313+/-0.023 χ^2/NDF: 16849103.9/81

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: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -182.488+/-9.677 χ^2/NDF: 66.2/46

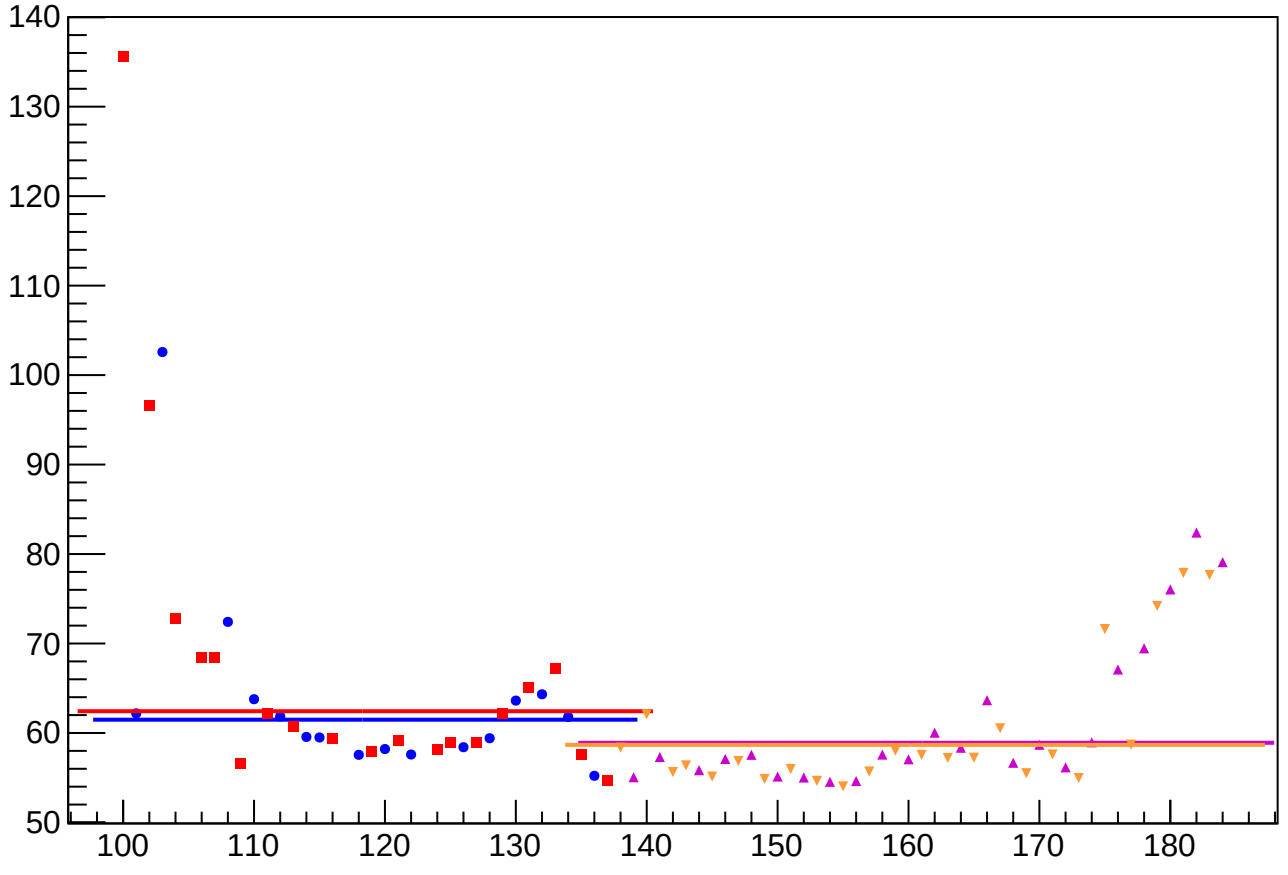
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -196.912+/-11.887 χ^2/NDF:53.7/38

Out: -167.638+/-11.680 χ^2/NDF:84.5/42

All: -182.017+/-8.331 χ^2/NDF: 141.3/81

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: 58.906+/-0.010 χ^2/NDF:386820.4/22

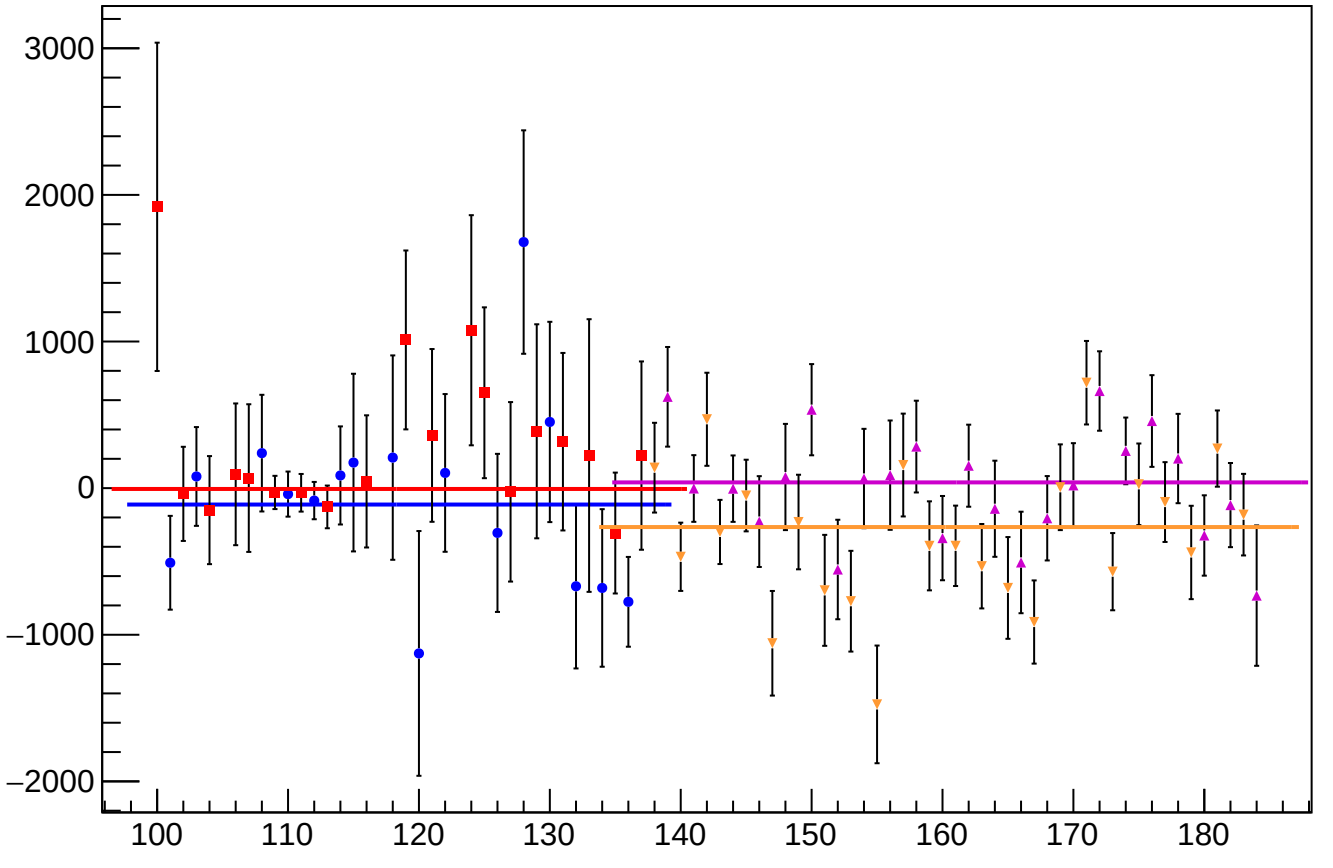
Left: 58.786+/-0.007 χ^2/NDF: 780445.9/46

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.588+/-0.008 χ^2/NDF:655811.2/38

Out: 59.624+/-0.008 χ^2/NDF:711983.1/42

All: 59.606+/-0.006 χ^2/NDF: 1367803.5/81



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: 39.144+/-61.883 χ^2/NDF:28.3/22

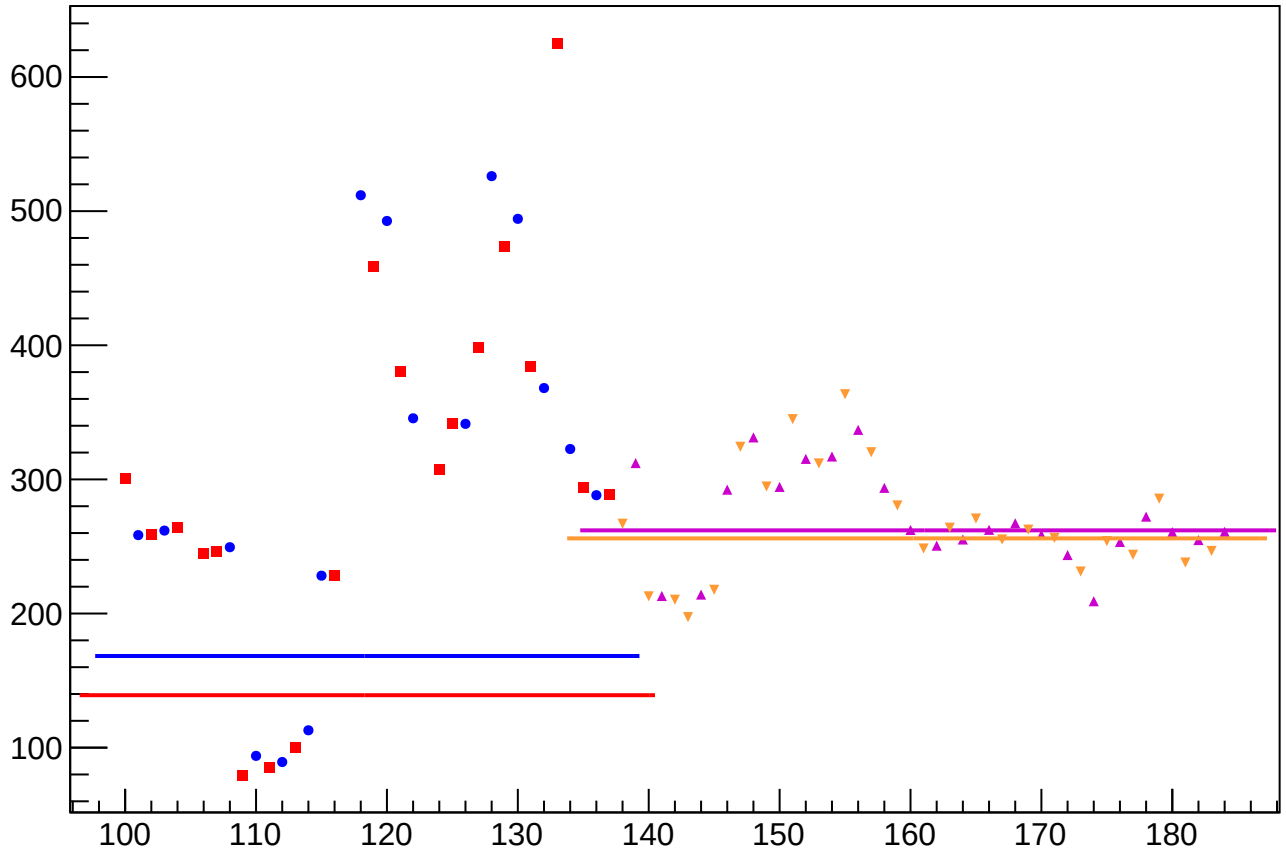
Left: -119.354+/-42.856 χ^2/NDF: 96.7/46

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -20.858+/-48.041 χ^2/NDF:49.2/38

Out: -145.346+/-43.567 χ^2/NDF:76.2/42

All: -89.167+/-32.273 χ^2/NDF: 129.1/81



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: 262.007+/-0.044 χ^2/NDF:670574.8/22

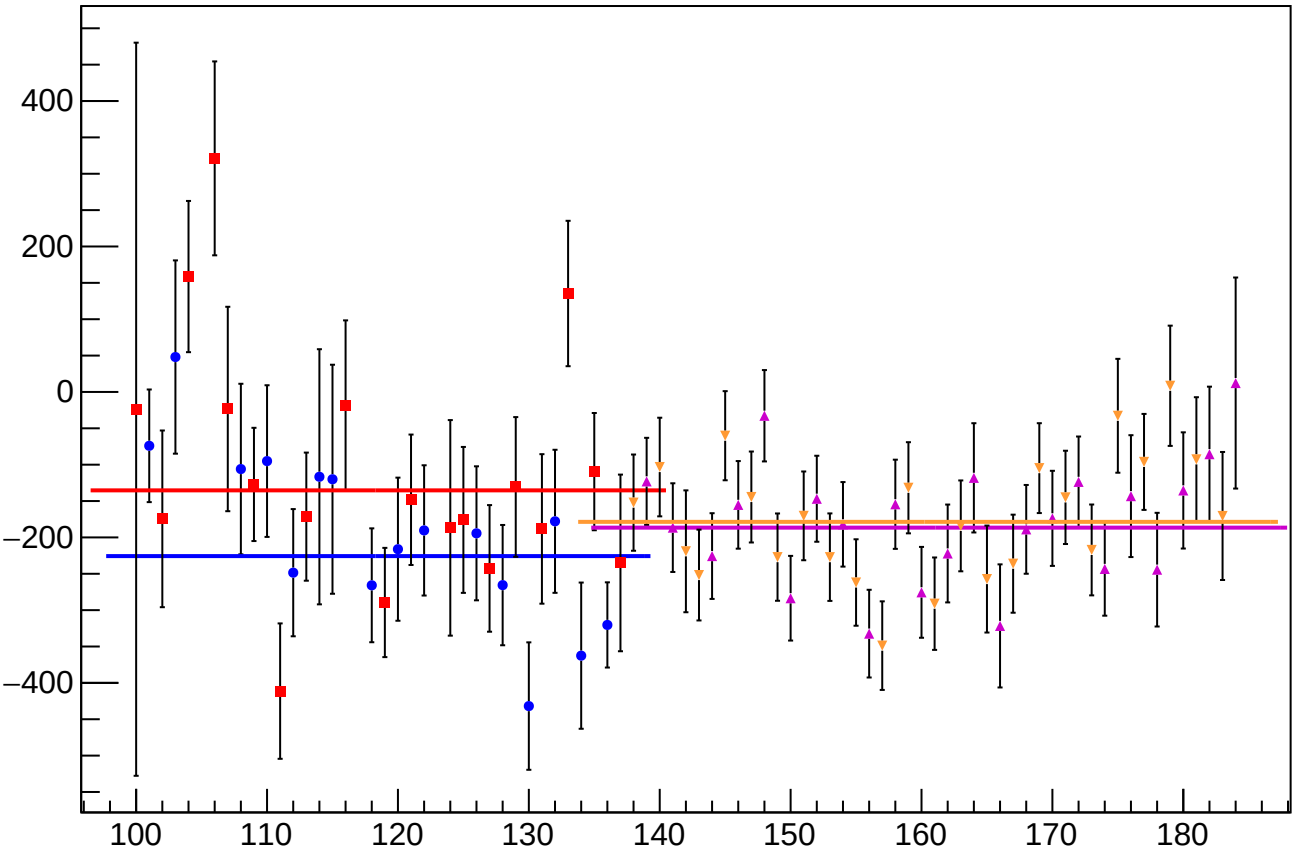
Left: 258.897+/-0.030 χ^2/NDF: 1534101.0/46

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 224.786+/-0.034 χ^2/NDF:7035707.9/38

Out: 201.990+/-0.031 χ^2/NDF:9564656.8/42

All: 212.277+/-0.023 χ^2/NDF: 16847455.9/81



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: -186.567+/-13.860 χ^2/NDF:29.0/22

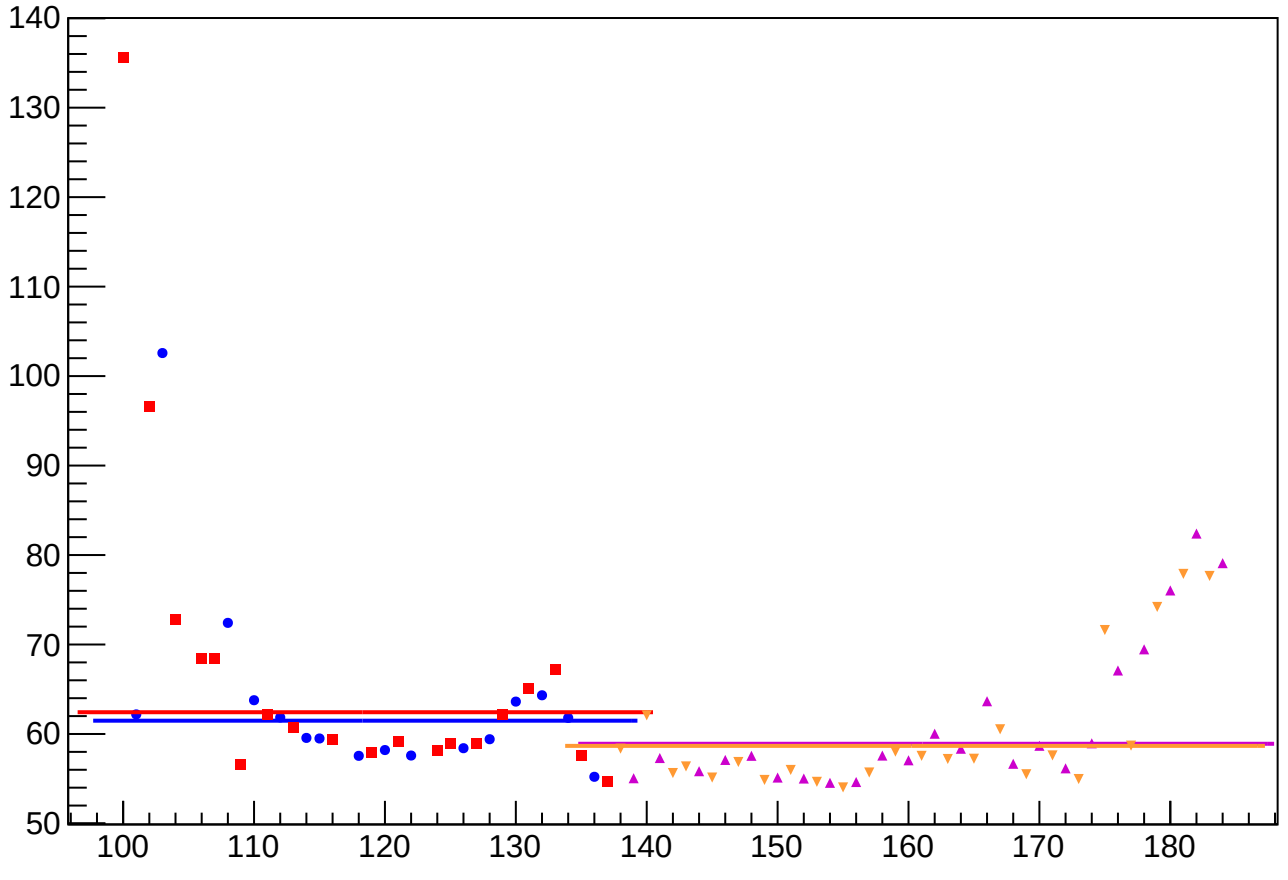
Left: -182.488+/-9.677 χ^2/NDF: 66.2/46

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -196.912+/-11.887 χ^2/NDF:53.7/38

Out: -167.638+/-11.680 χ^2/NDF:84.5/42

All: -182.017+/-8.331 χ^2/NDF: 141.3/81



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: 58.906+/-0.010 χ^2/NDF:386820.4/22

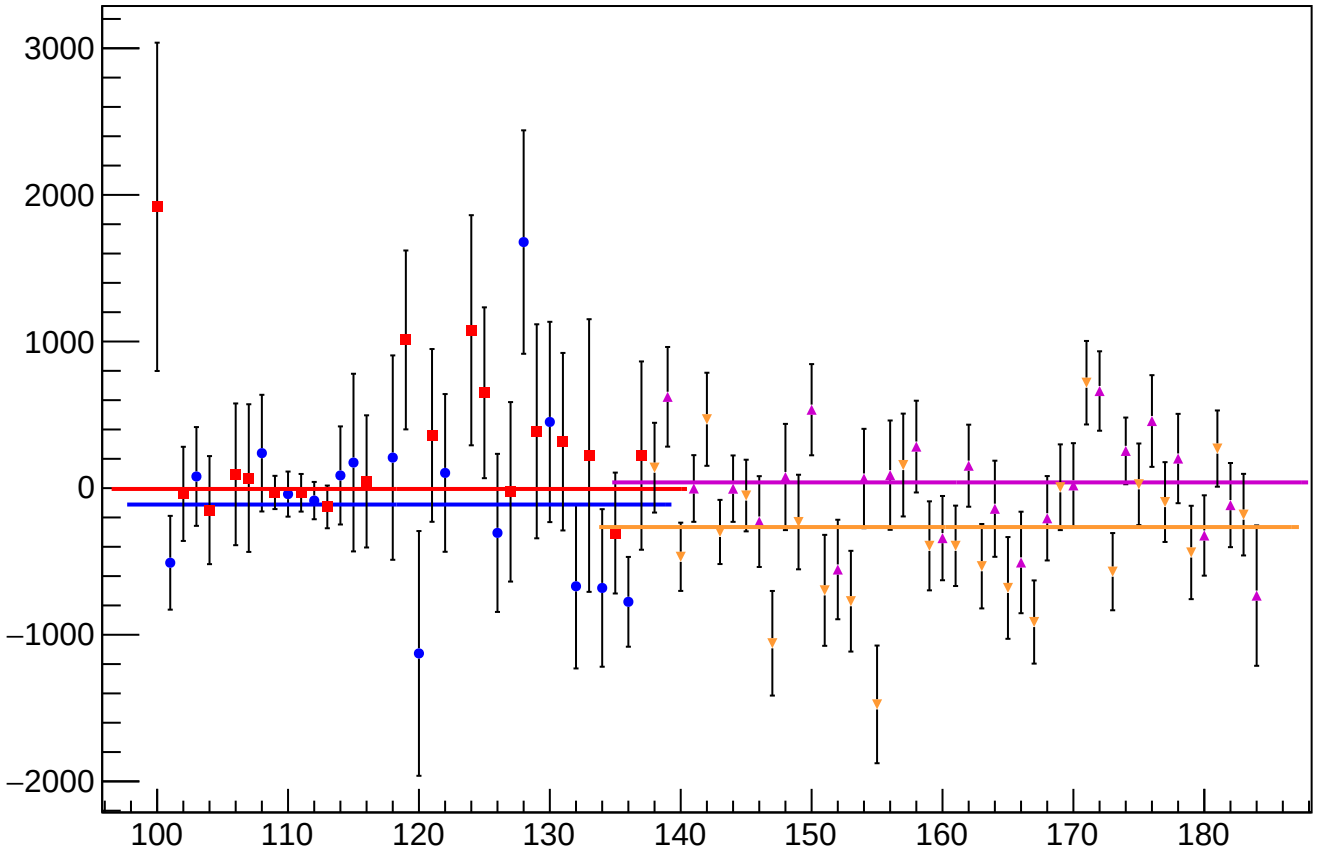
Left: 58.786+/-0.007 χ^2/NDF: 780445.9/46

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.588+/-0.008 χ^2/NDF:655811.2/38

Out: 59.624+/-0.008 χ^2/NDF:711983.1/42

All: 59.606+/-0.006 χ^2/NDF: 1367803.5/81



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: 39.144+/-61.883 χ^2/NDF:28.3/22

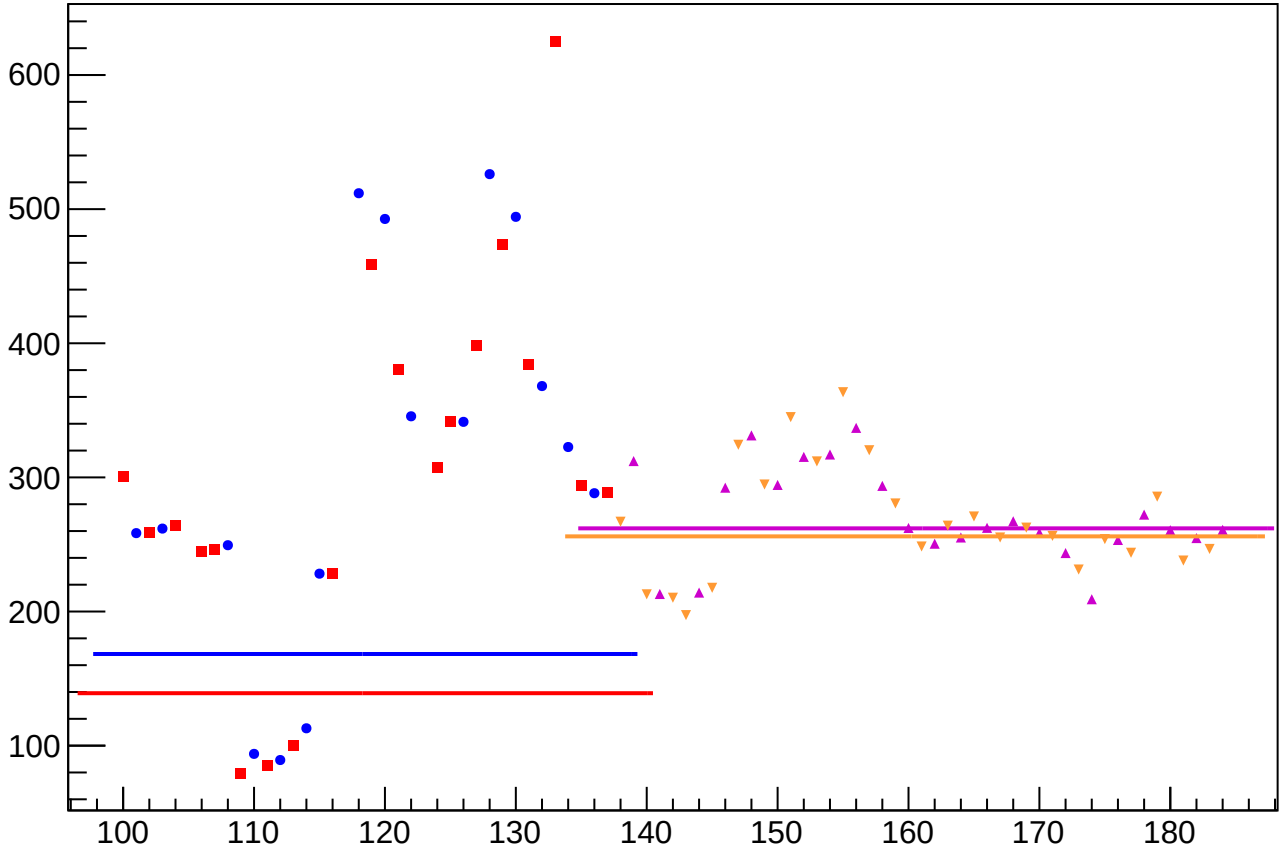
Left: -119.354+/-42.856 χ^2/NDF: 96.7/46

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -20.858+/-48.041 χ^2/NDF:49.2/38

Out: -145.346+/-43.567 χ^2/NDF:76.2/42

All: -89.167+/-32.273 χ^2/NDF: 129.1/81



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: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.897+/-0.030 χ^2/NDF: 1534101.0/46

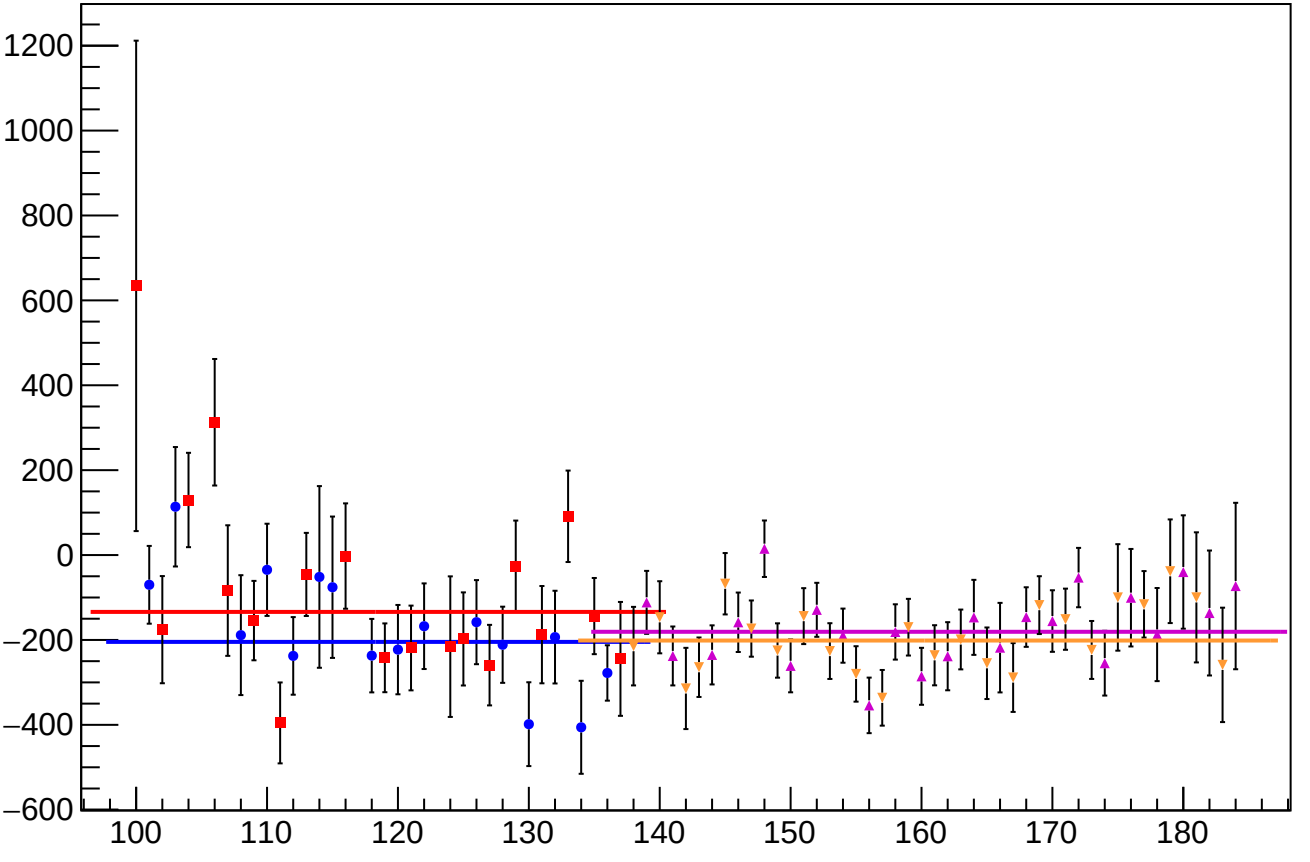
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 224.786+/-0.034 χ^2/NDF:7035707.9/38

Out: 201.990+/-0.031 χ^2/NDF:9564656.8/42

All: 212.277+/-0.023 χ^2/NDF: 16847455.9/81

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: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.328+/-11.187 χ^2/NDF: 52.3/46

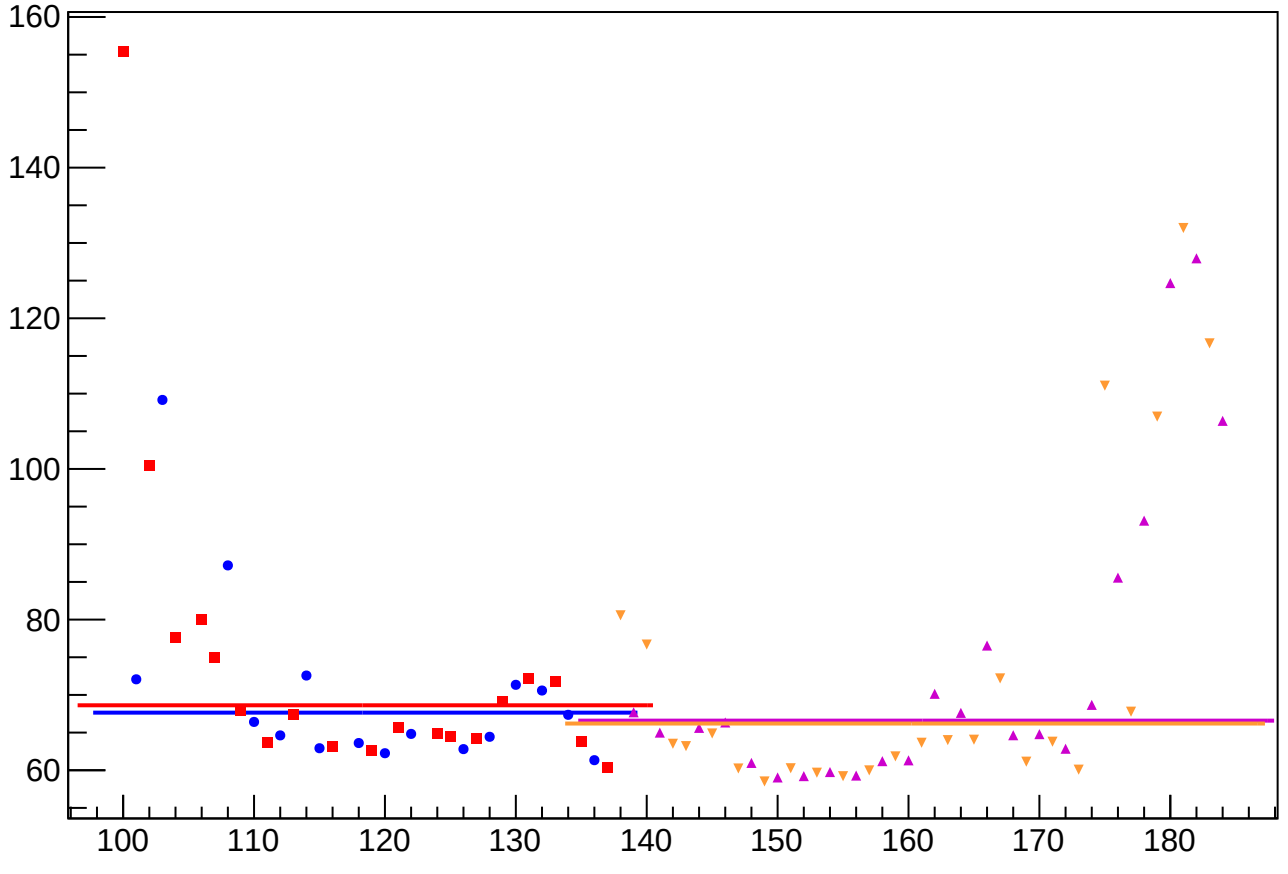
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -187.507+/-13.568 χ^2/NDF:50.8/38

Out: -182.931+/-13.324 χ^2/NDF:63.7/42

All: -185.178+/-9.507 χ^2/NDF: 114.5/81

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: 66.585+/-0.011 χ^2/NDF:1158238.0/22

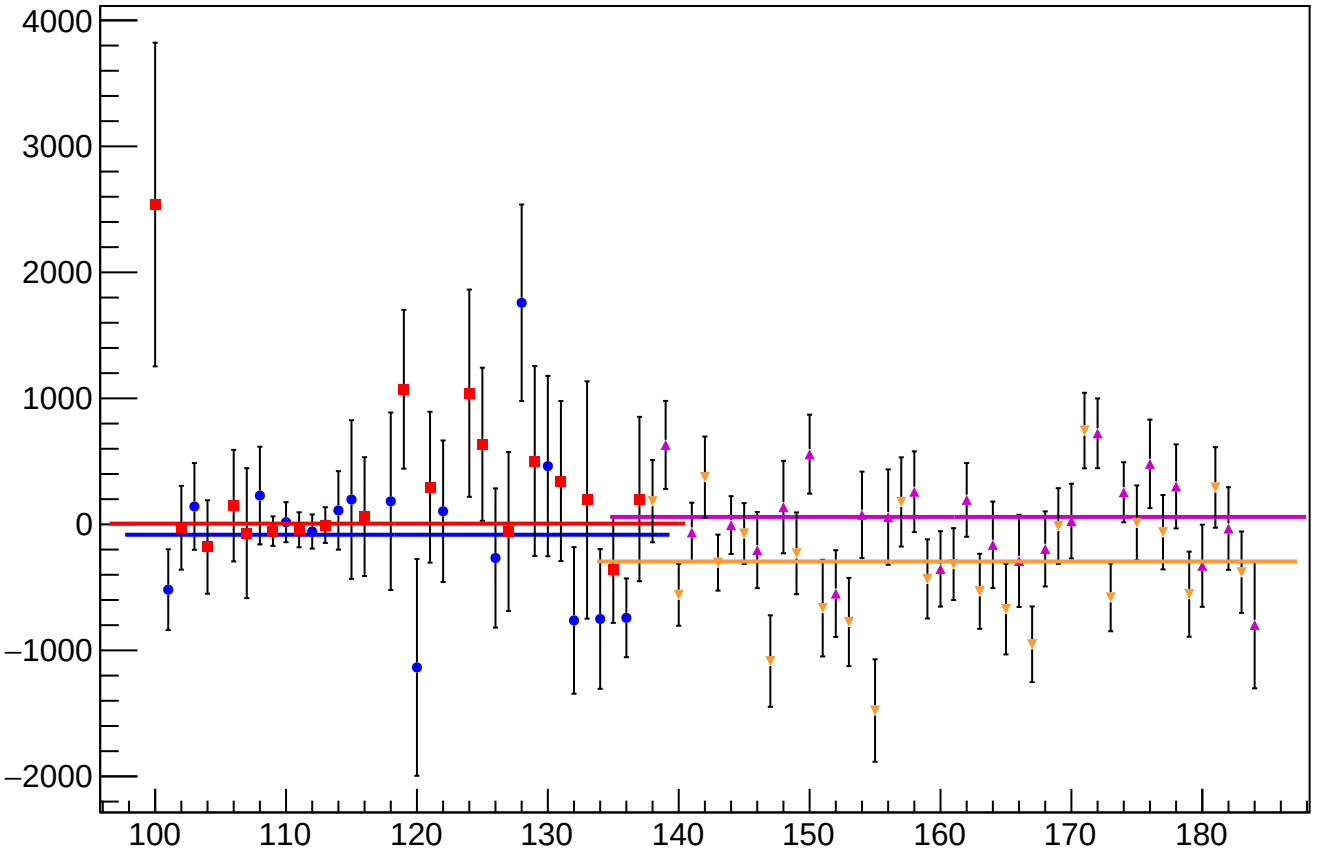
Left: 66.388+/-0.008 χ^2/NDF: 2548481.4/46

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 66.885+/-0.010 χ^2/NDF:1424392.4/38

Out: 66.863+/-0.009 χ^2/NDF:1650956.8/42

All: 66.874+/-0.007 χ^2/NDF: 3075351.9/81



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -294.465+/-62.171 χ^2/NDF:52.8/23

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

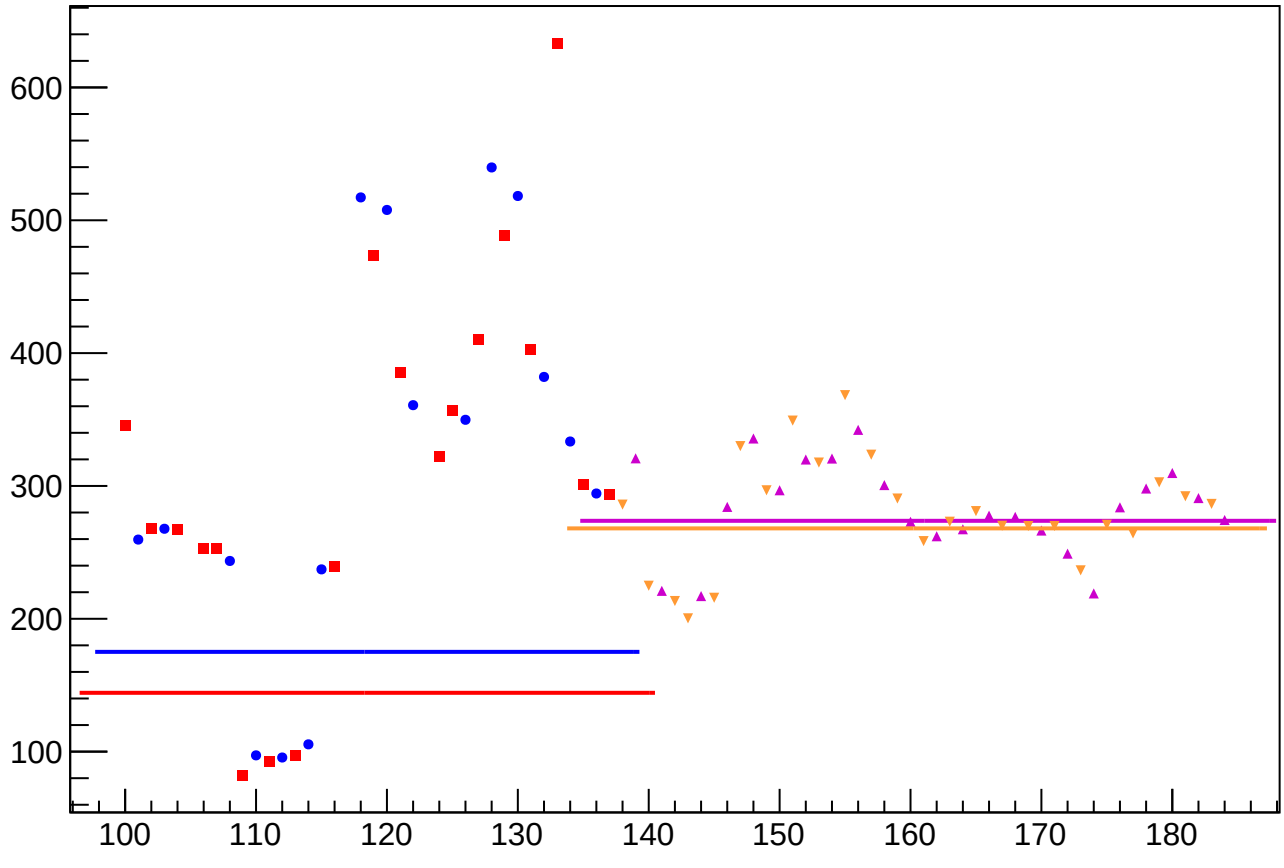
Left: -124.526+/-44.808 χ^2/NDF: 95.2/46

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 2.186+/-49.943 χ^2/NDF:48.0/38

Out: -152.968+/-45.226 χ^2/NDF:75.8/42

All: -83.064+/-33.523 χ^2/NDF: 129.1/81



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: 273.751+/-0.046 χ^2/NDF:650295.5/22

Left: 270.790+/-0.032 χ^2/NDF: 1521004.9/46

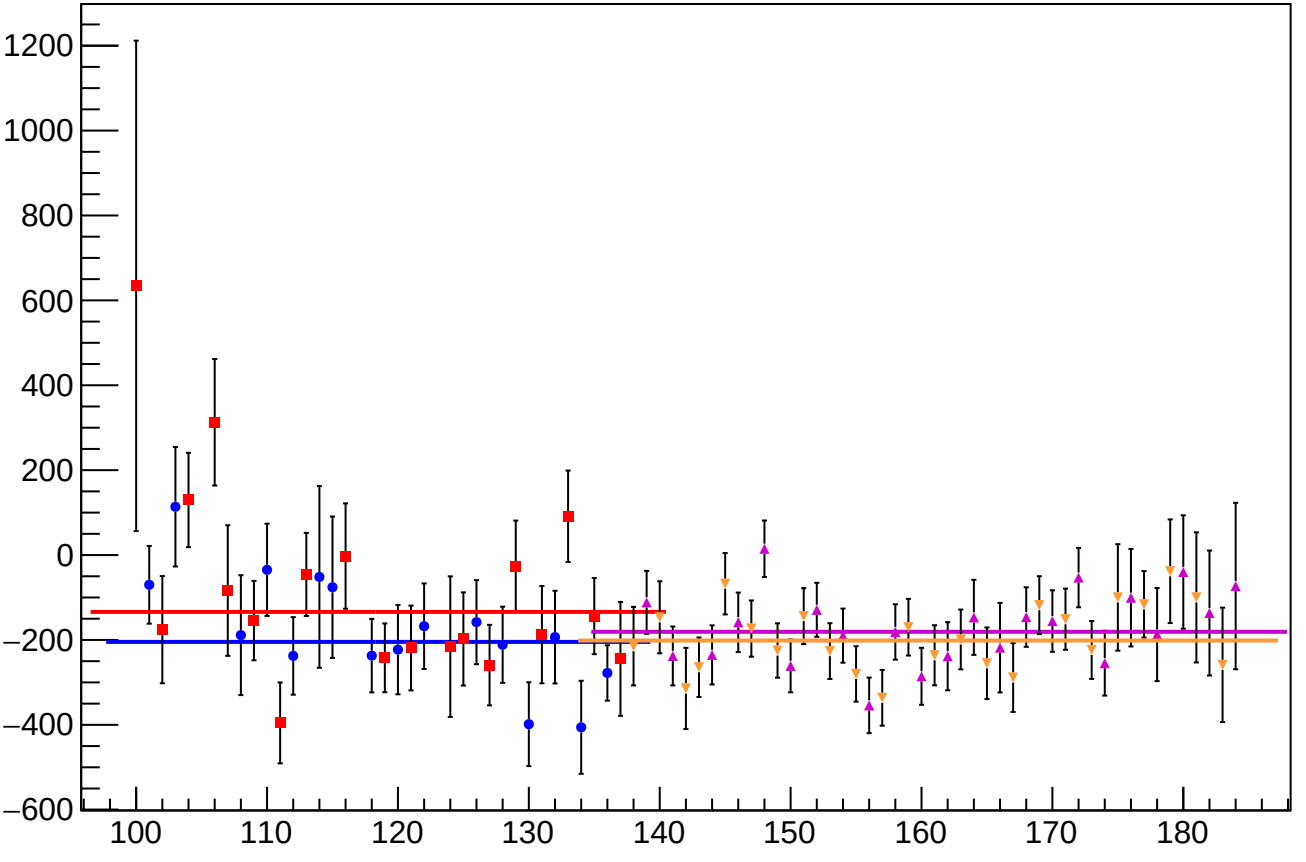
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 233.998+/-0.035 χ^2/NDF:6956749.1/38

Out: 209.774+/-0.032 χ^2/NDF:9727449.2/42

All: 220.688+/-0.024 χ^2/NDF: 16942701.1/81

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: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.329+/-11.187 χ^2/NDF: 52.3/46

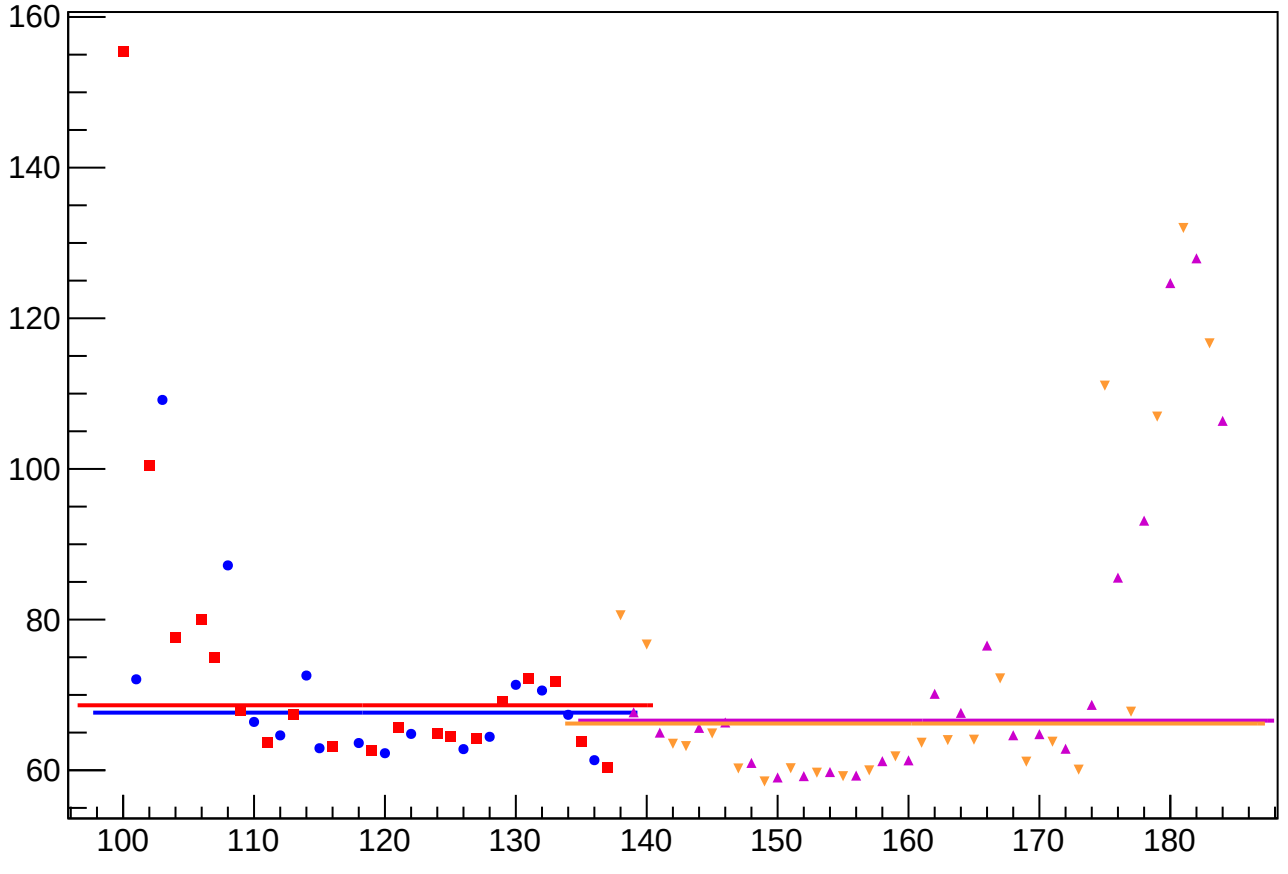
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -187.508+/-13.568 χ^2/NDF:50.8/38

Out: -182.931+/-13.324 χ^2/NDF:63.7/42

All: -185.178+/-9.507 χ^2/NDF: 114.5/81

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



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: 66.585+/-0.011 χ^2/NDF:1158231.7/22

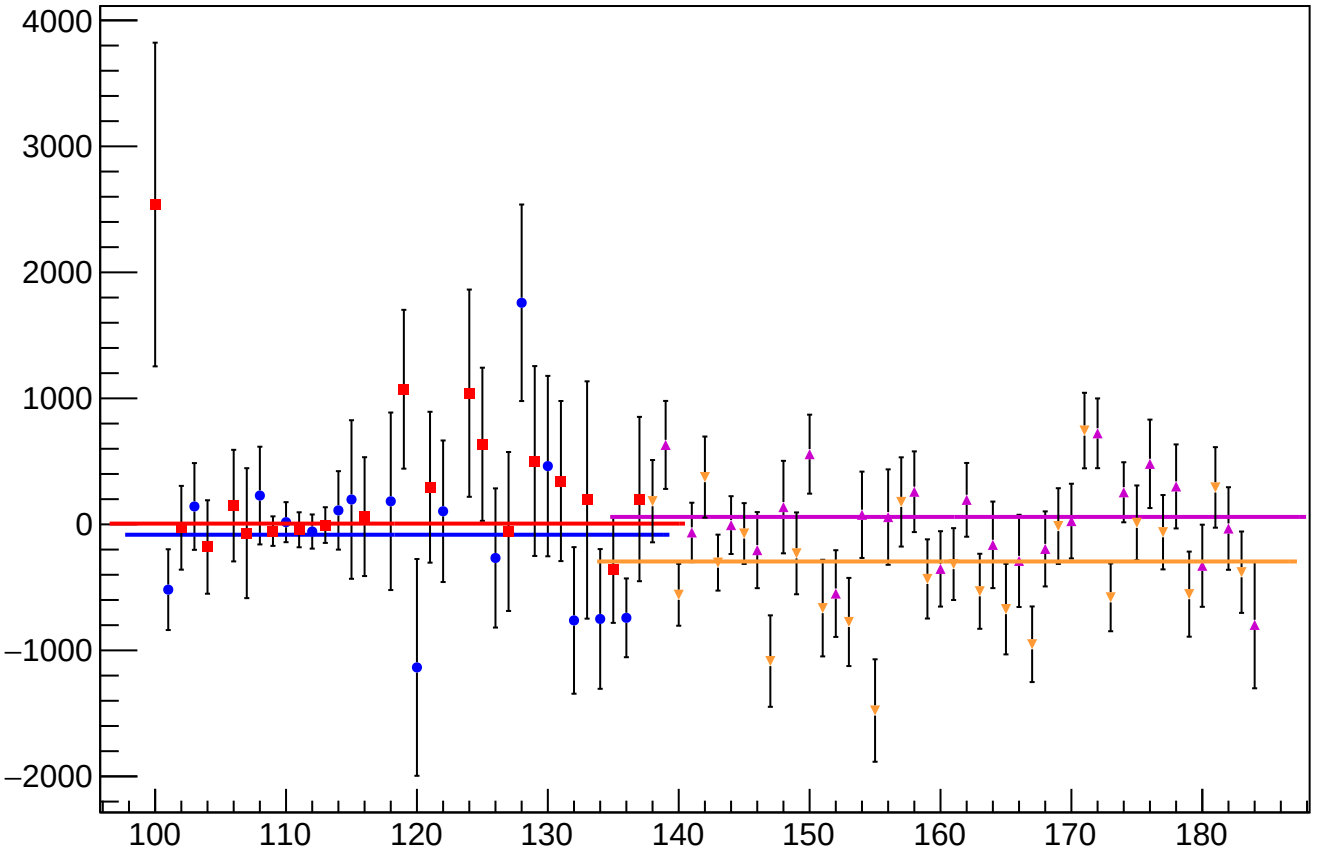
Left: 66.388+/-0.008 χ^2/NDF: 2548477.3/46

Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 66.885+/-0.010 χ^2/NDF:1424384.2/38

Out: 66.863+/-0.009 χ^2/NDF:1650957.8/42

All: 66.874+/-0.007 χ^2/NDF: 3075344.8/81



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: 59.160+/-64.636 χ^2/NDF:26.8/22

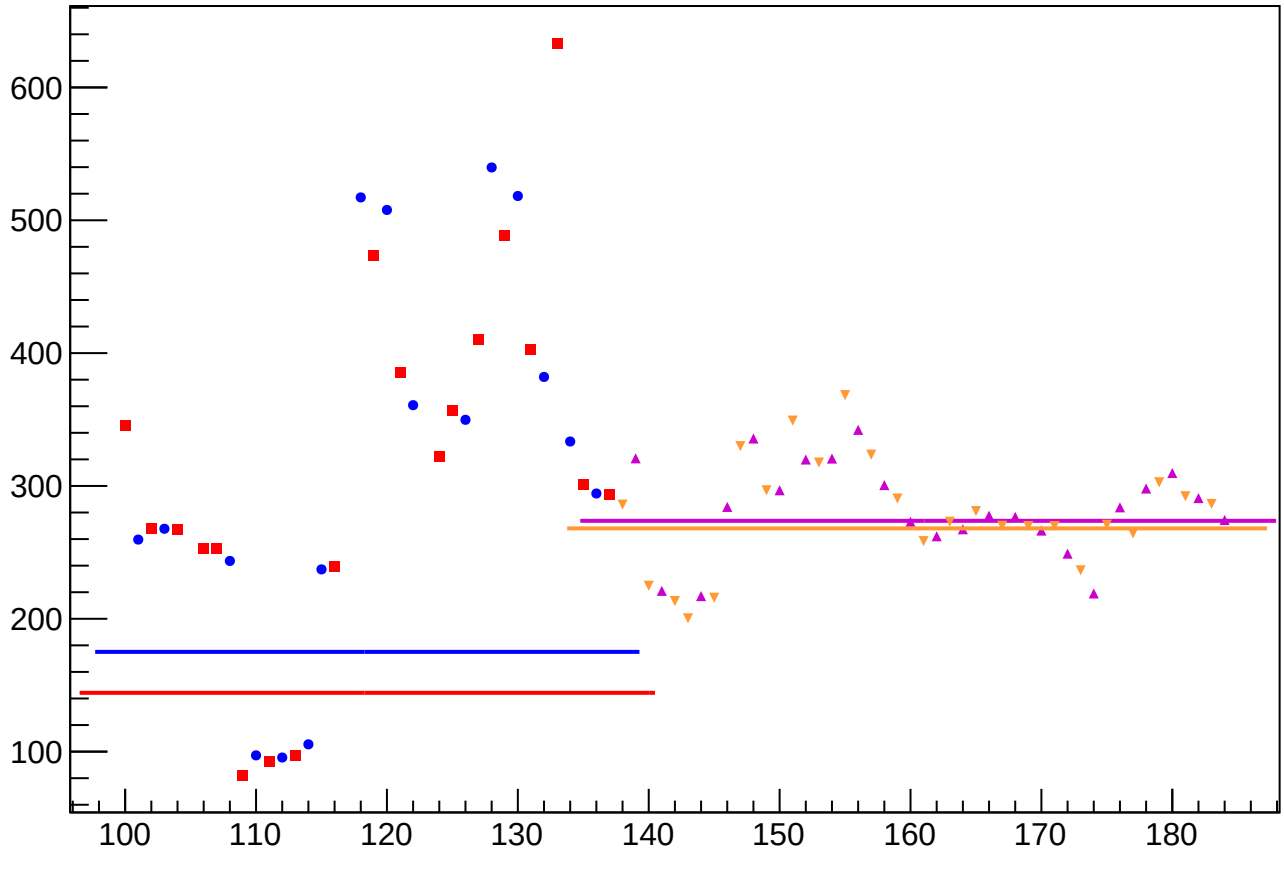
Left: -124.526+/-44.807 χ^2/NDF: 95.2/46

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 2.186+/-49.943 χ^2/NDF:48.0/38

Out: -152.969+/-45.225 χ^2/NDF:75.8/42

All: -83.064+/-33.523 χ^2/NDF: 129.1/81



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: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.789+/-0.032 χ^2/NDF: 1521020.7/46

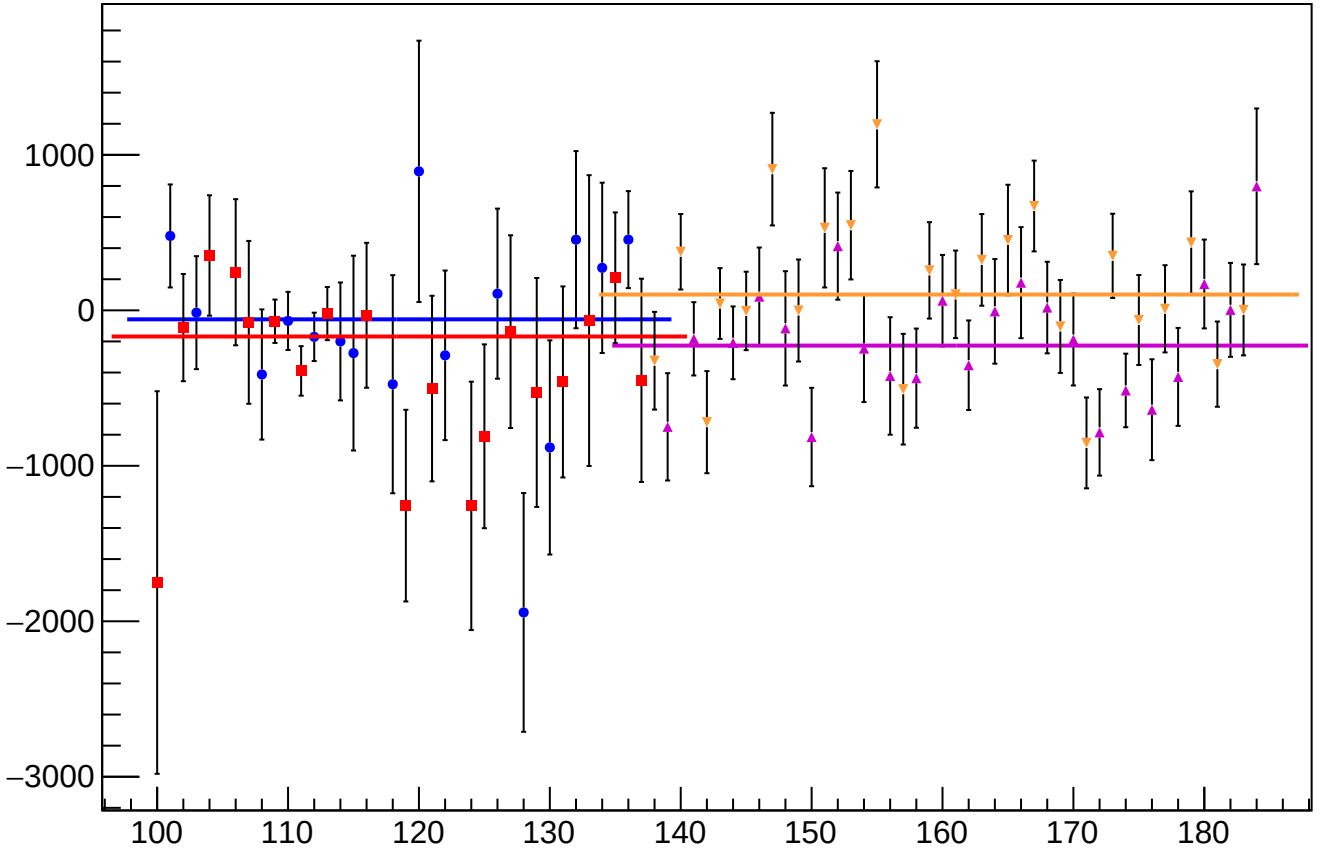
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 233.996+/-0.035 χ^2/NDF:6956812.1/38

Out: 209.774+/-0.032 χ^2/NDF:9727421.4/42

All: 220.687+/-0.024 χ^2/NDF: 16942724.4/81

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: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -56.146+/-44.129 χ^2/NDF: 92.2/46

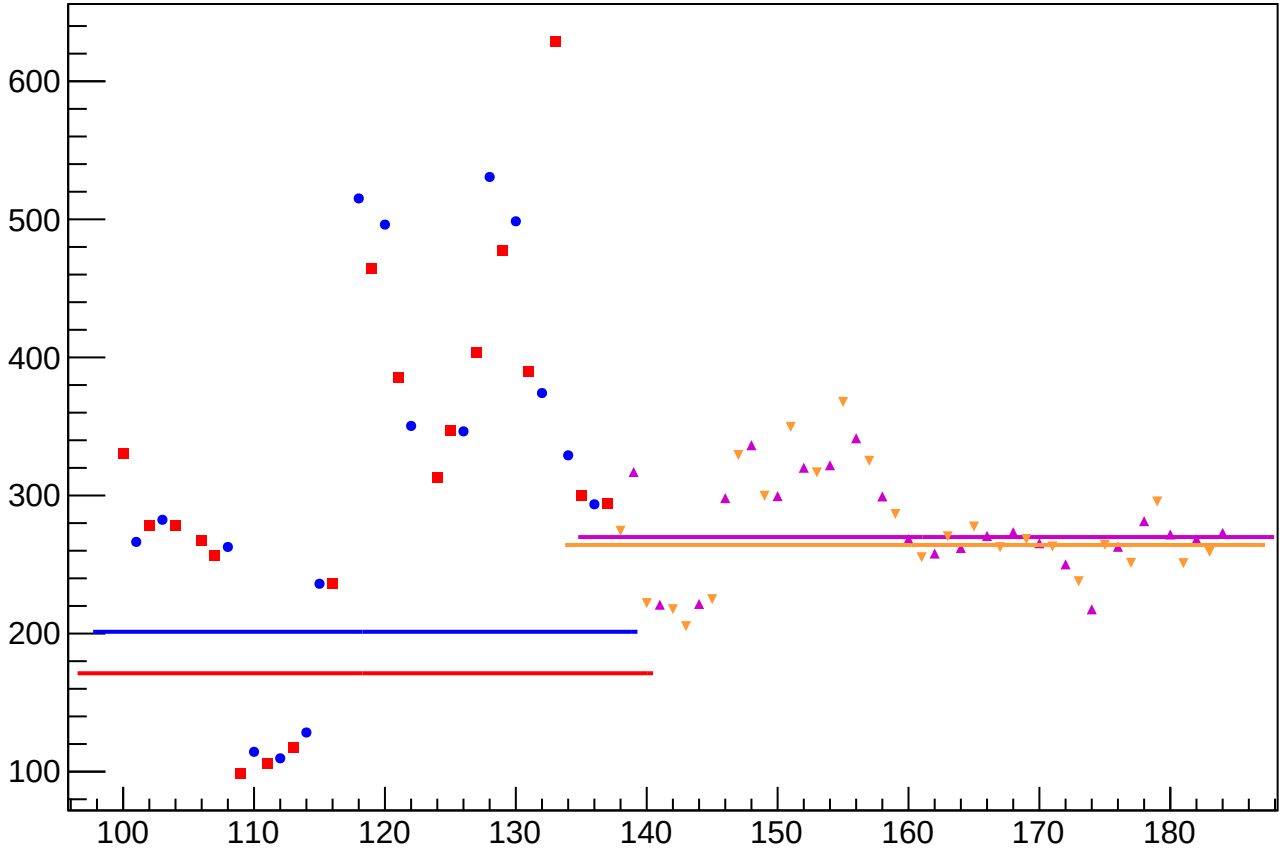
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -167.854+/-51.361 χ^2/NDF:48.7/38

Out: -7.005+/-47.320 χ^2/NDF:72.9/42

All: -80.853+/-34.801 χ^2/NDF: 126.9/81

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: 269.898+/-0.045 χ^2/NDF:602244.3/22

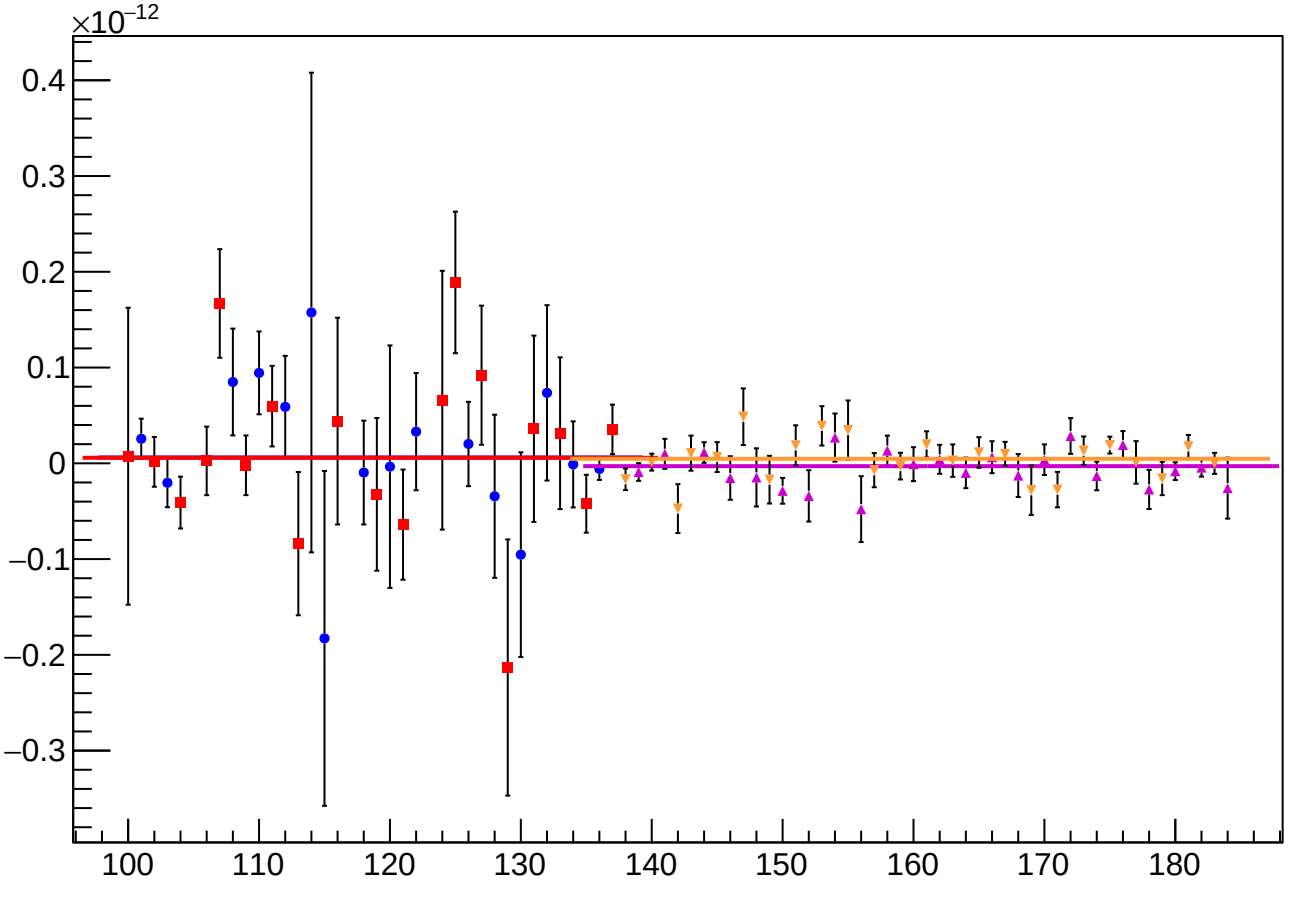
Left: 266.920+/-0.031 χ^2/NDF: 1380514.6/46

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 245.930+/-0.036 χ^2/NDF:4985401.2/38

Out: 226.781+/-0.033 χ^2/NDF:6816787.4/42

All: 235.572+/-0.025 χ^2/NDF: 11952553.2/81



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:21.5/22

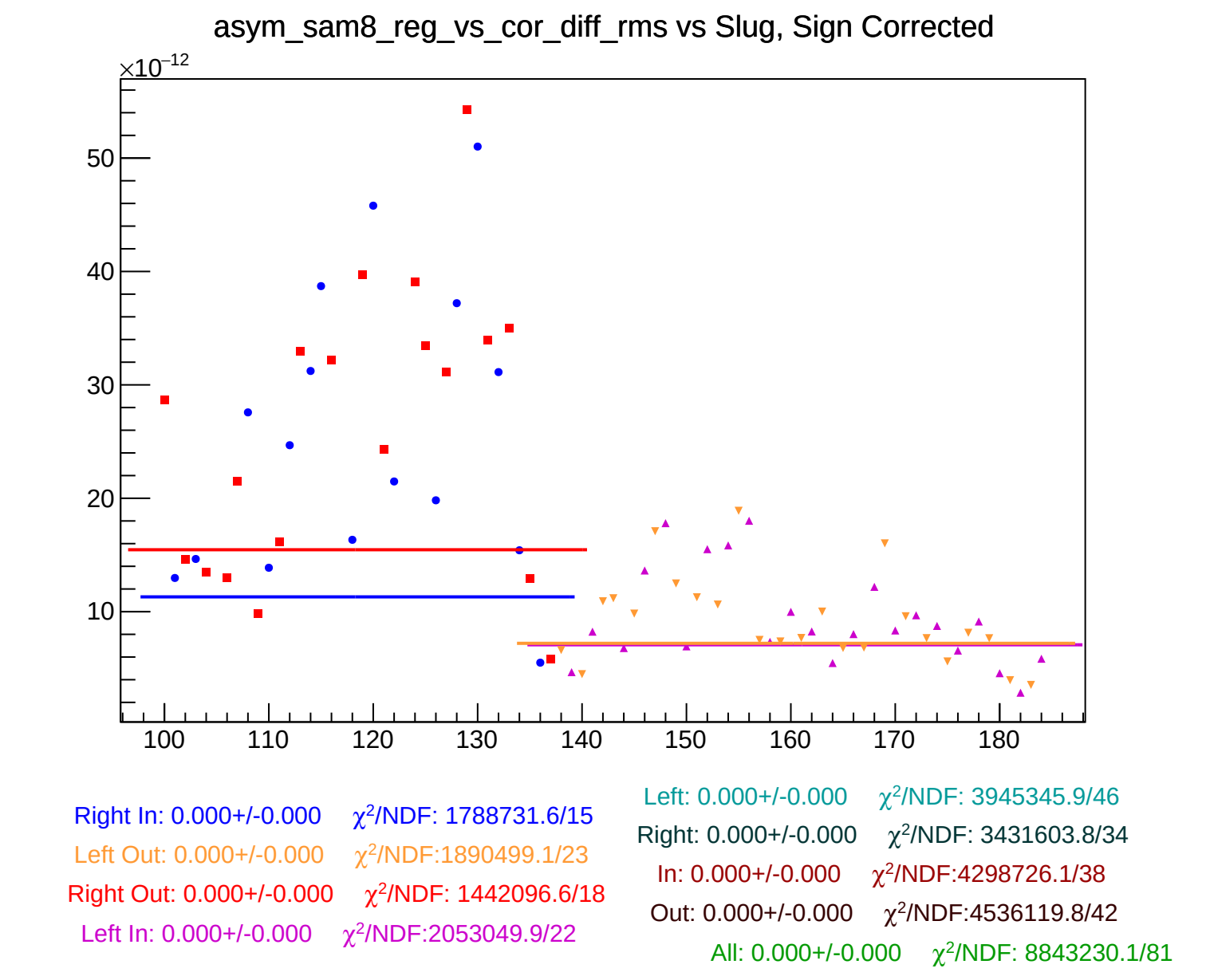
Left: 0.000+/-0.000 χ^2/NDF: 52.5/46

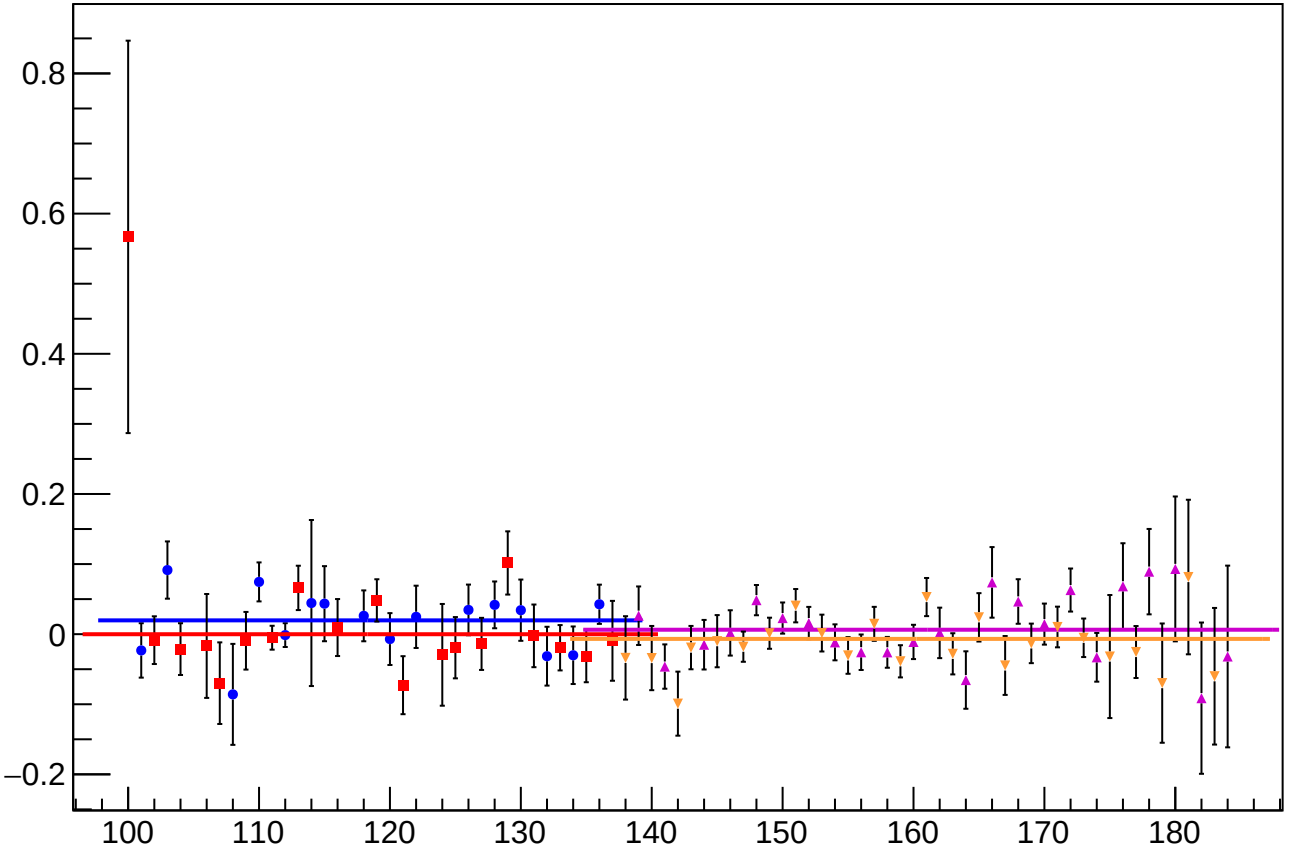
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:36.4/38

Out: 0.000+/-0.000 χ^2/NDF:58.4/42

All: 0.000+/-0.000 χ^2/NDF: 97.3/81


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1890499.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:2053049.9/22
Left: 0.000+/-0.000 χ²/NDF: 3945345.9/46
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:4298726.1/38
Out: 0.000+/-0.000 χ²/NDF:4536119.8/42
All: 0.000+/-0.000 χ²/NDF: 8843230.1/81



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:28.4/22

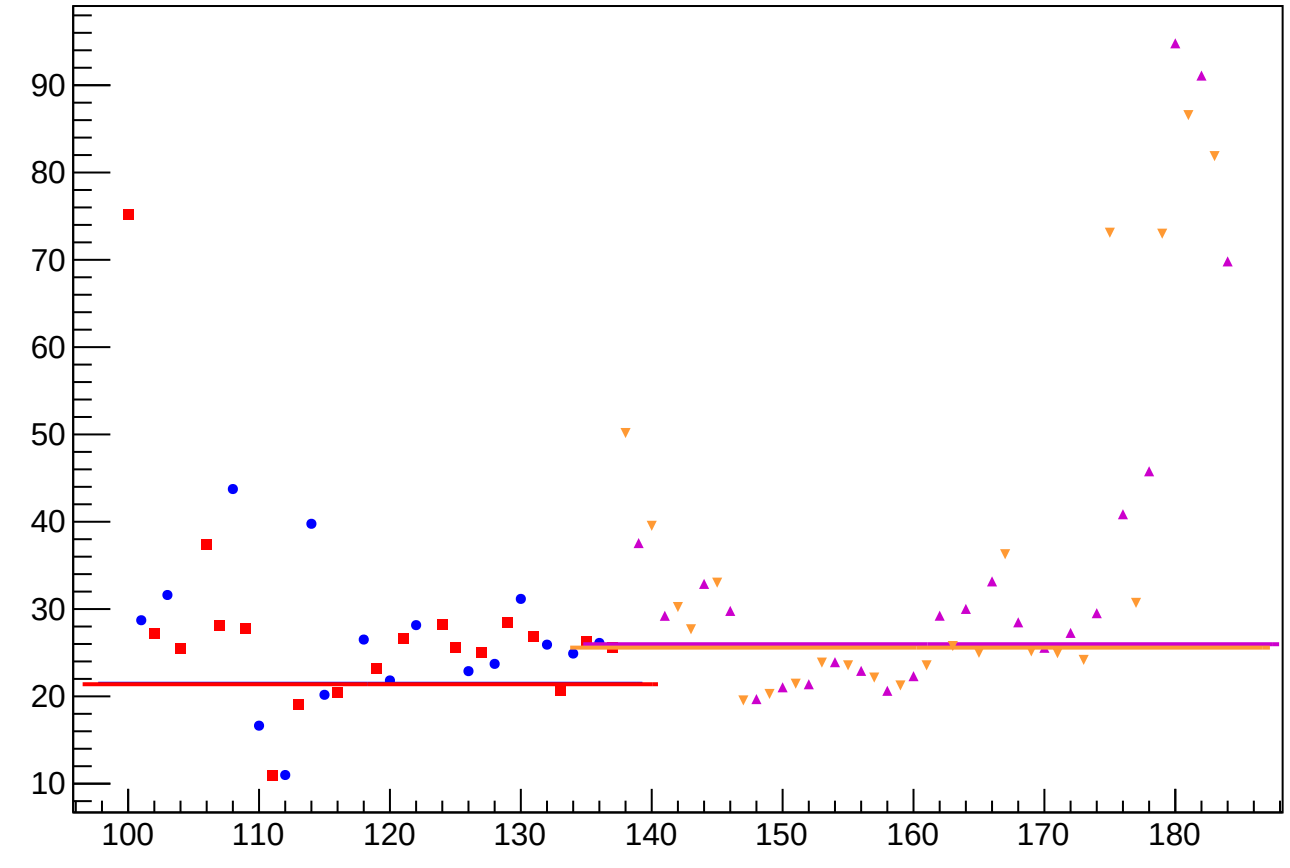
Left: -0.000+/-0.005 χ^2/NDF: 52.4/46

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:46.9/38

Out: -0.004+/-0.005 χ^2/NDF:45.2/42

All: 0.003+/-0.004 χ^2/NDF: 96.7/81



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: 25.972+/-0.005 χ^2/NDF:3118335.6/22

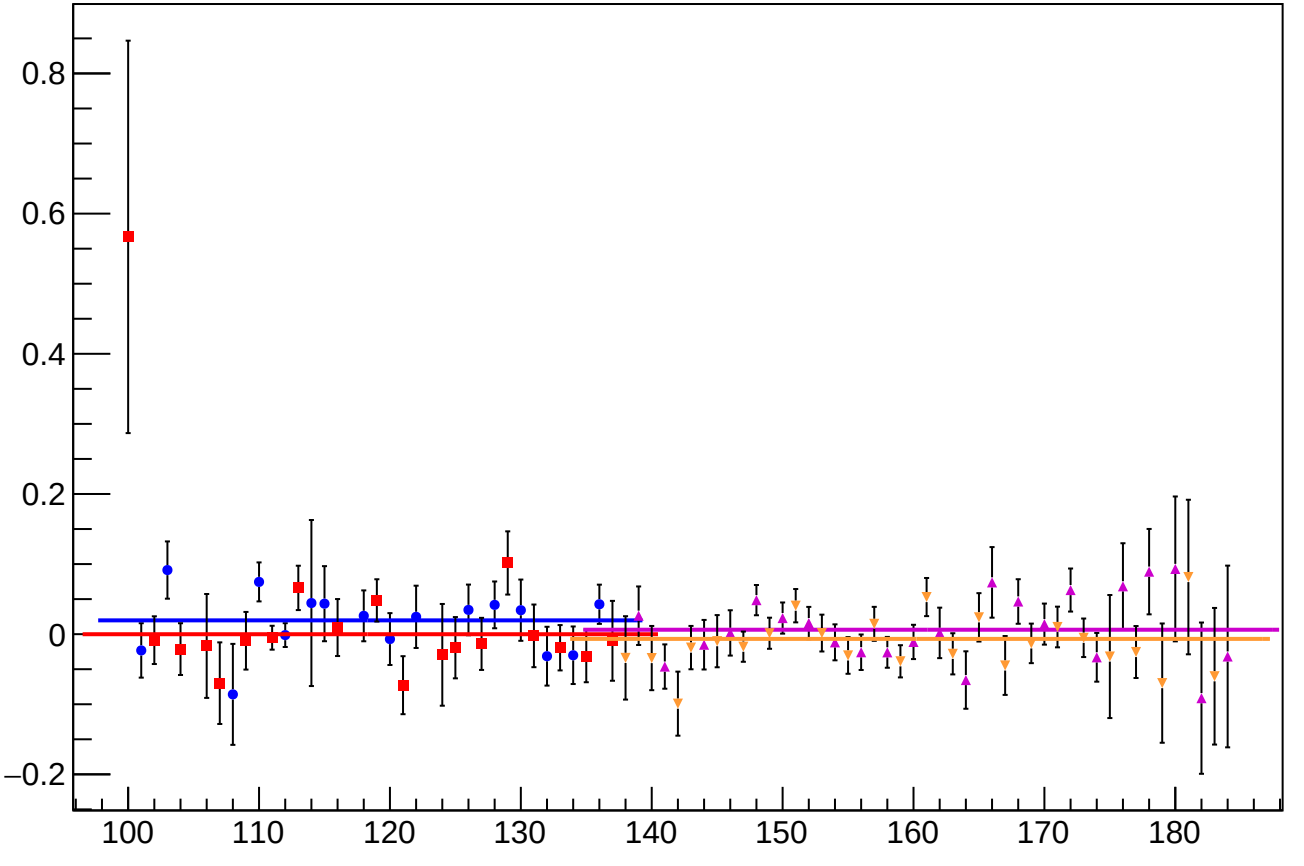
Left: 25.771+/-0.003 χ^2/NDF: 6895493.5/46

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 24.306+/-0.004 χ^2/NDF:5002662.3/38

Out: 24.064+/-0.004 χ^2/NDF:5395548.7/42

All: 24.181+/-0.003 χ^2/NDF: 10400380.5/81



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:28.4/22

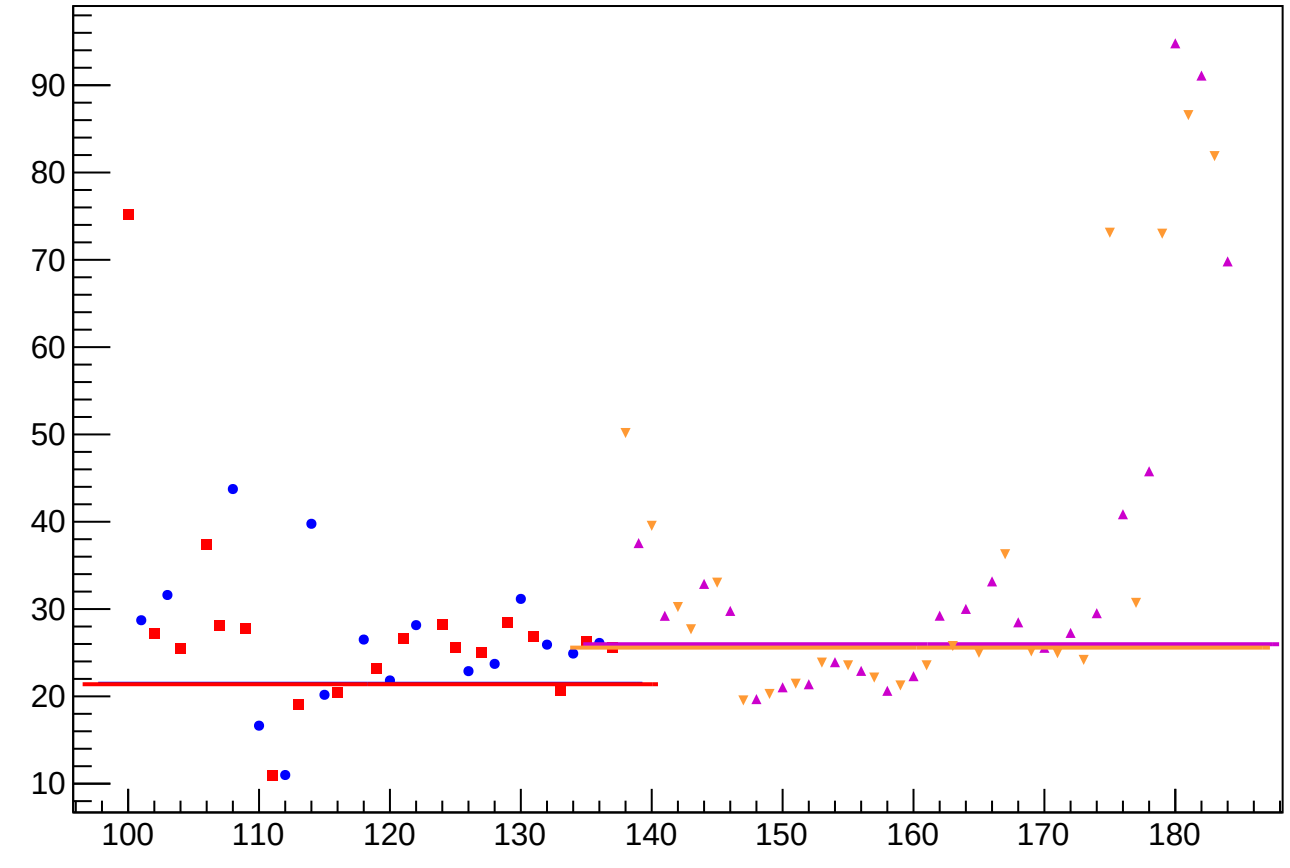
Left: -0.000+/-0.005 χ^2/NDF: 52.4/46

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:46.9/38

Out: -0.004+/-0.005 χ^2/NDF:45.2/42

All: 0.003+/-0.004 χ^2/NDF: 96.7/81



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: 25.972+/-0.005 χ^2/NDF:3118335.6/22

Left: 25.771+/-0.003 χ^2/NDF: 6895493.5/46

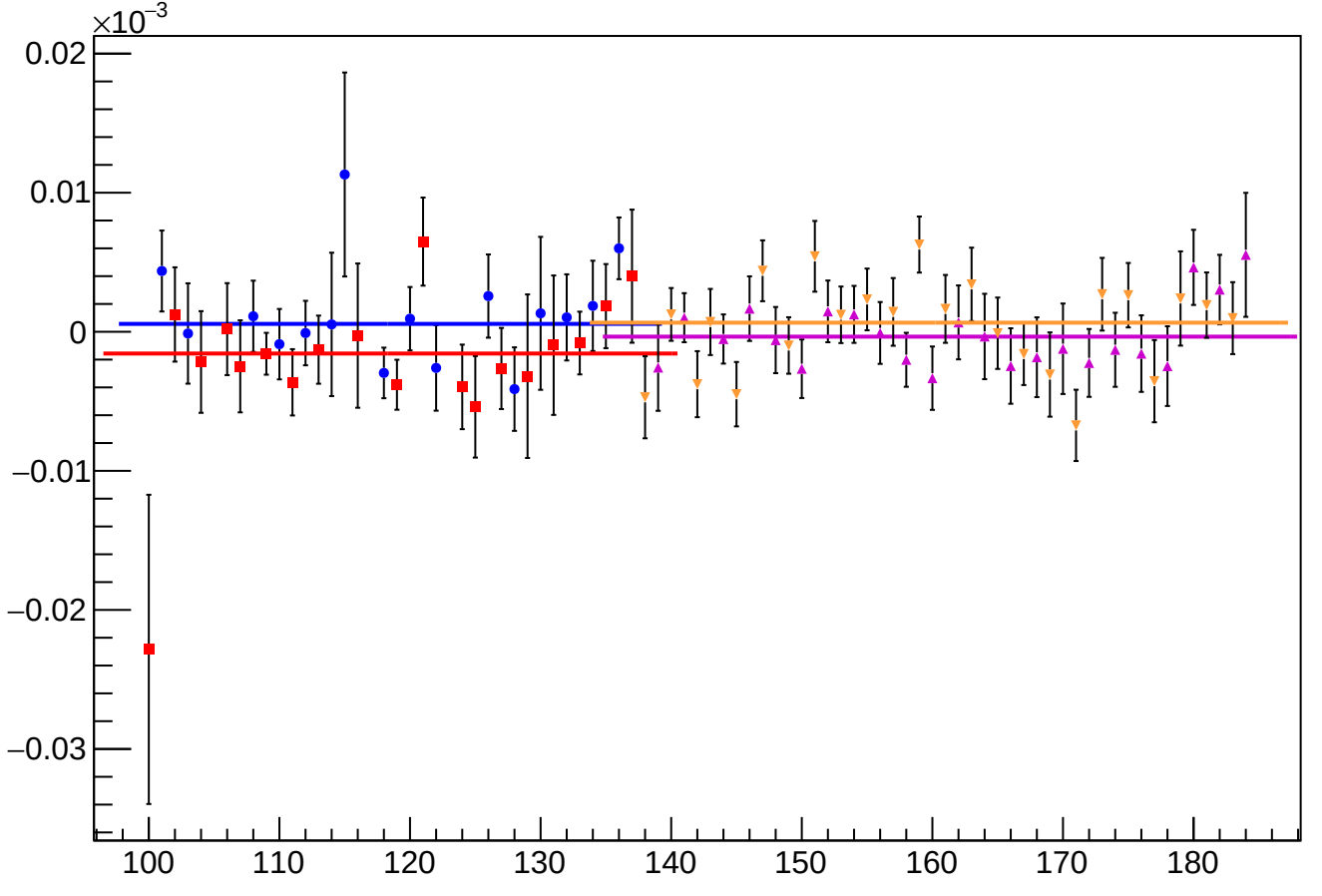
Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 24.306+/-0.004 χ^2/NDF:5002662.3/38

Out: 24.064+/-0.004 χ^2/NDF:5395548.7/42

All: 24.181+/-0.003 χ^2/NDF: 10400380.5/81

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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:16.4/22

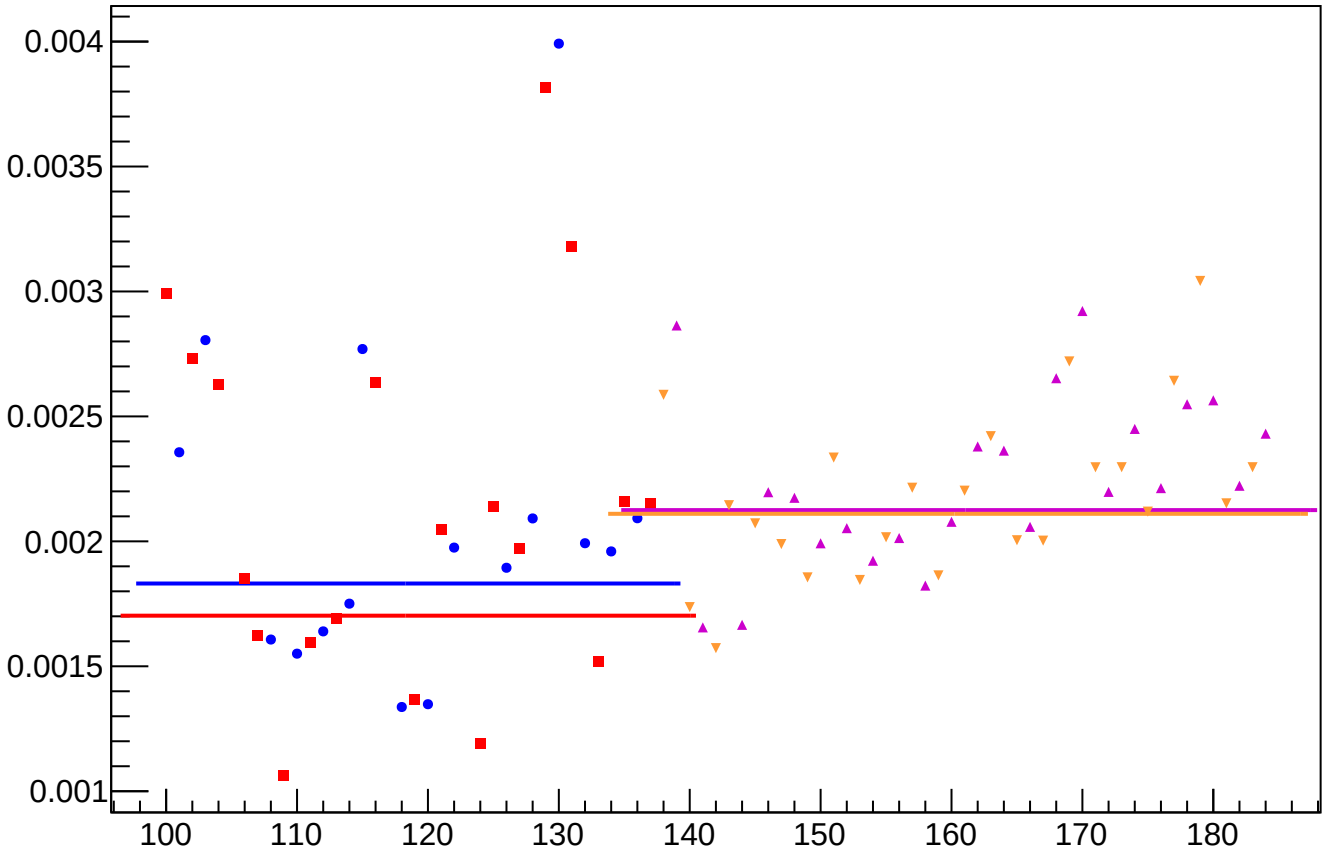
Left: 0.000+/-0.000 χ^2/NDF: 61.9/46

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:35.7/38

Out: -0.000+/-0.000 χ^2/NDF:69.1/42

All: -0.000+/-0.000 χ^2/NDF: 104.9/81



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:837770.9/22

Left: 0.002+/-0.000 χ^2/NDF: 1563372.3/46

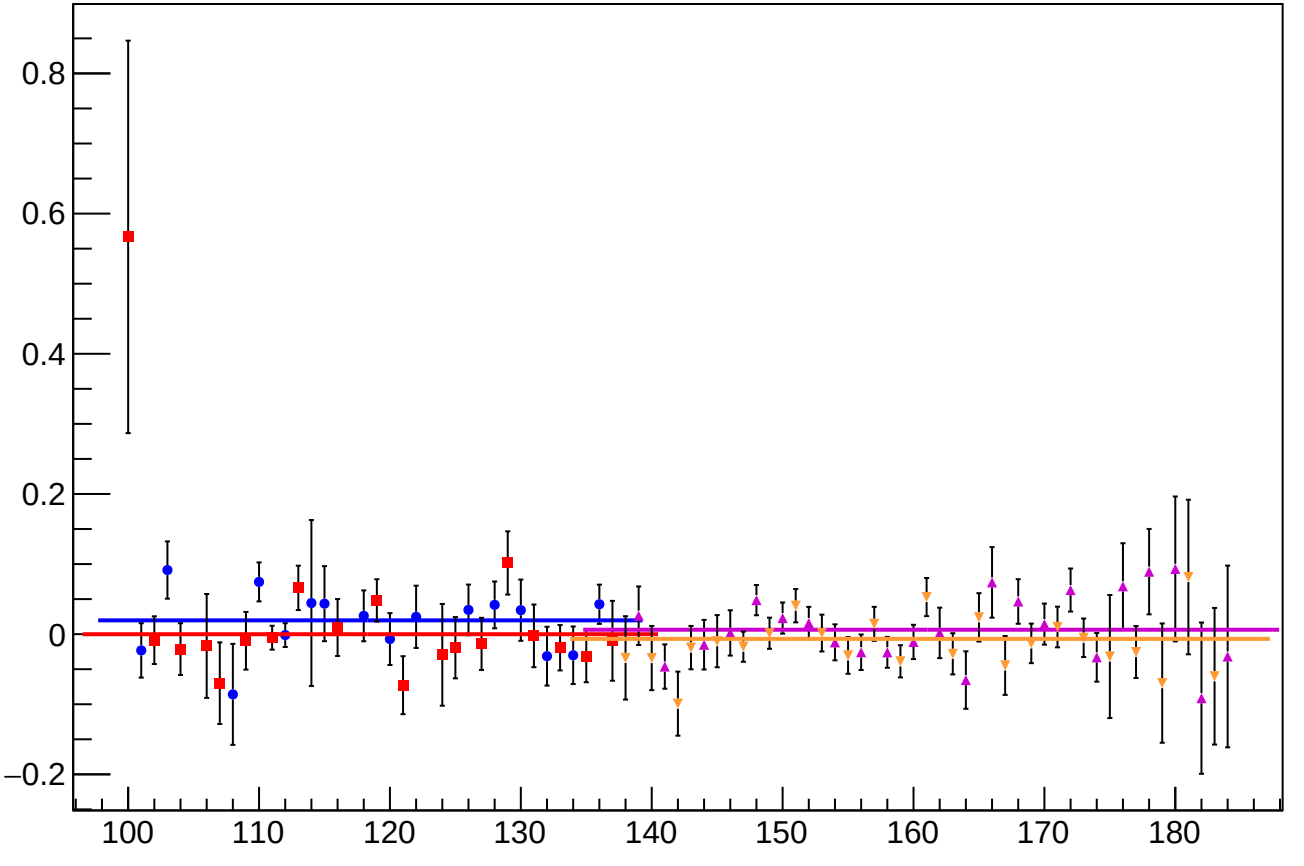
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1967499.2/38

Out: 0.002+/-0.000 χ^2/NDF:2696515.3/42

All: 0.002+/-0.000 χ^2/NDF: 4686715.8/81

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:28.4/22

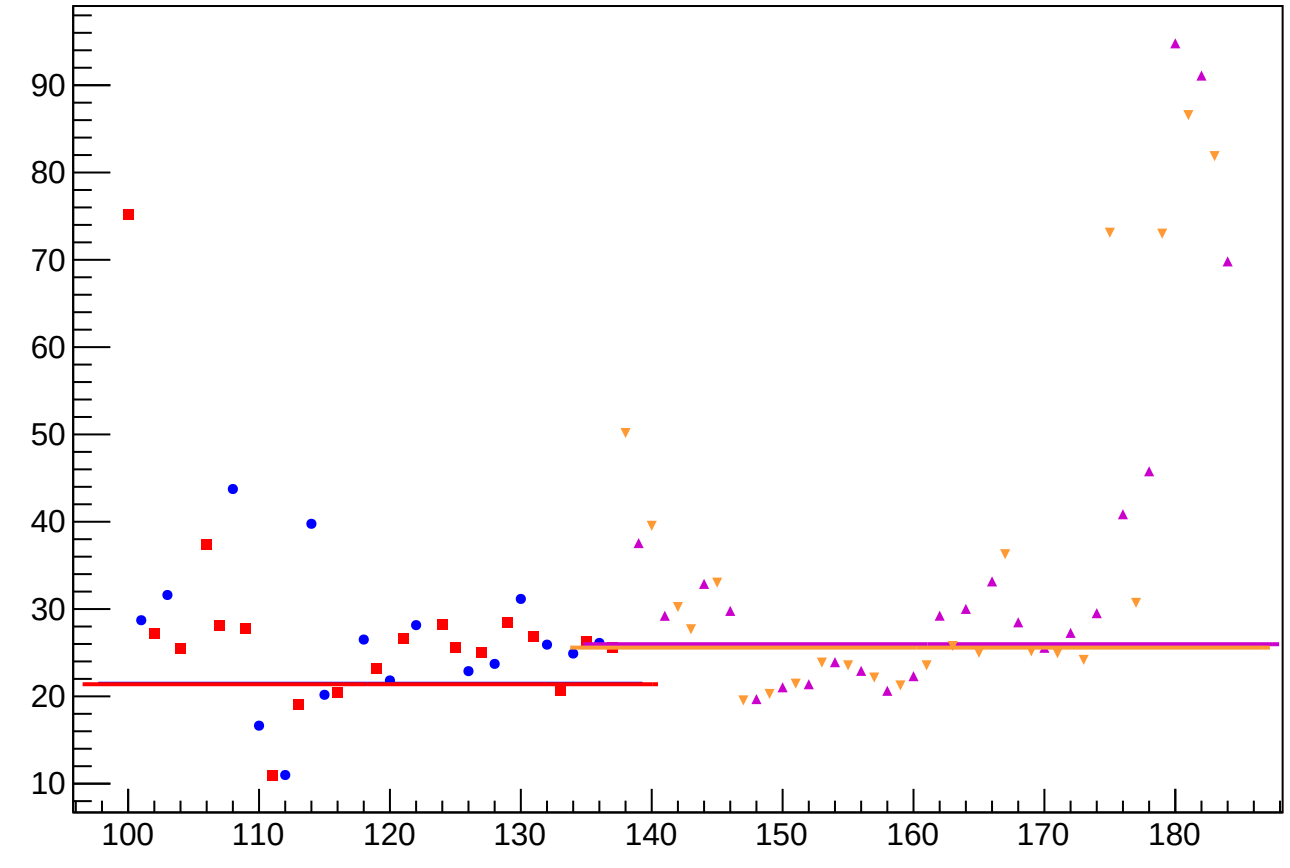
Left: -0.000+/-0.005 χ^2/NDF: 52.4/46

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:46.9/38

Out: -0.004+/-0.005 χ^2/NDF:45.2/42

All: 0.003+/-0.004 χ^2/NDF: 96.7/81



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: 25.972+/-0.005 χ^2/NDF:3118315.0/22

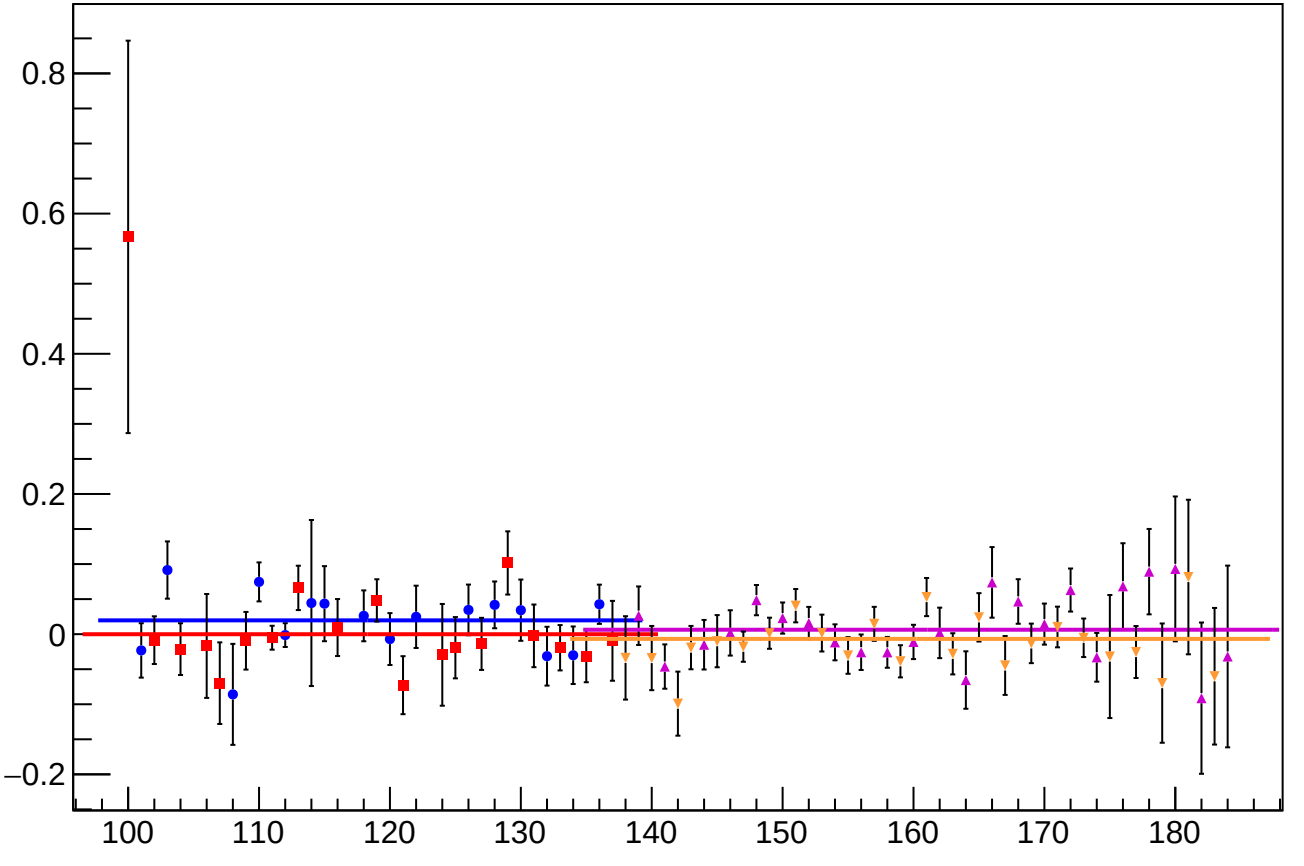
Left: 25.771+/-0.003 χ^2/NDF: 6895477.4/46

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 24.306+/-0.004 χ^2/NDF:5002920.8/38

Out: 24.064+/-0.004 χ^2/NDF:5395794.3/42

All: 24.181+/-0.003 χ^2/NDF: 10400884.6/81



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:28.4/22

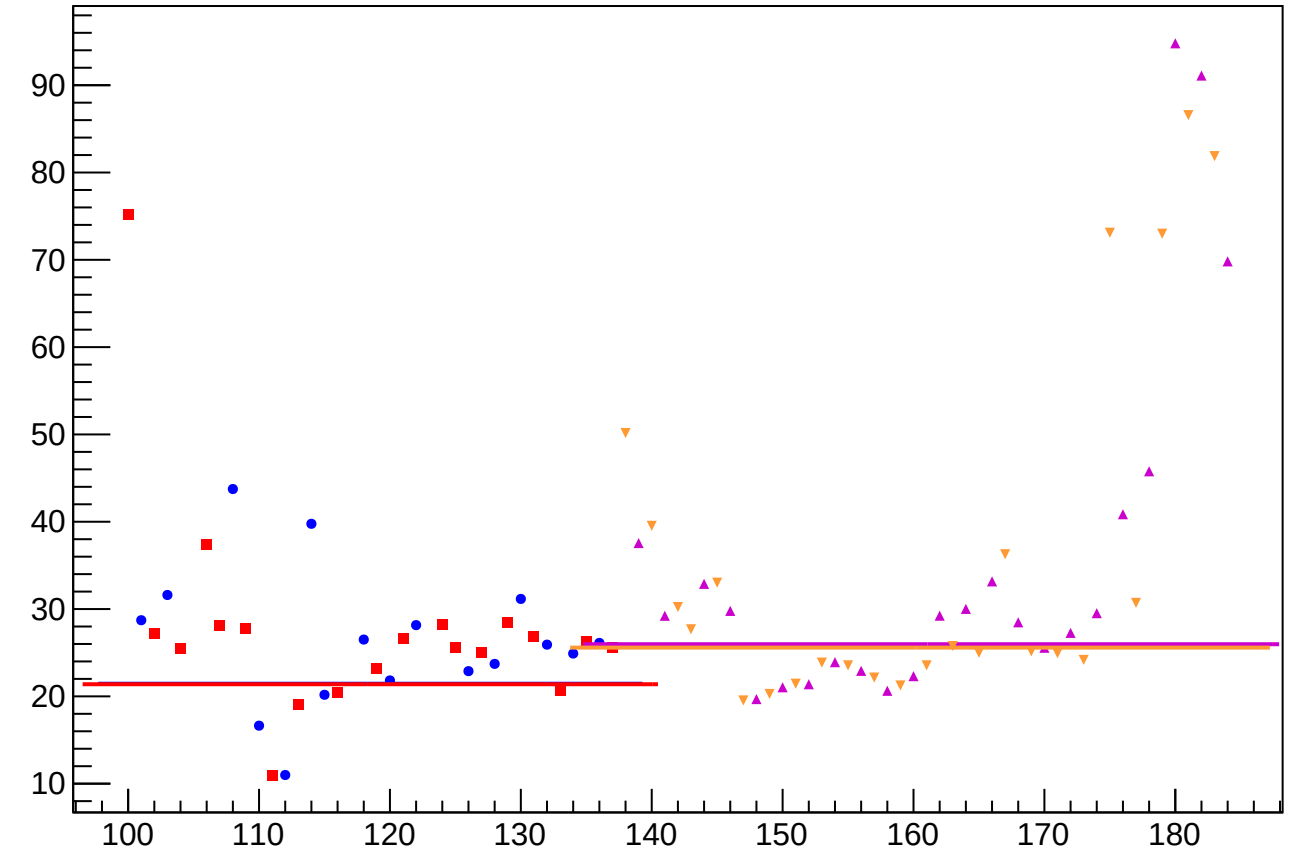
Left: -0.000+/-0.005 χ^2/NDF: 52.4/46

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:46.9/38

Out: -0.004+/-0.005 χ^2/NDF:45.2/42

All: 0.003+/-0.004 χ^2/NDF: 96.7/81



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: 25.972+/-0.005 χ^2/NDF:3118315.0/22

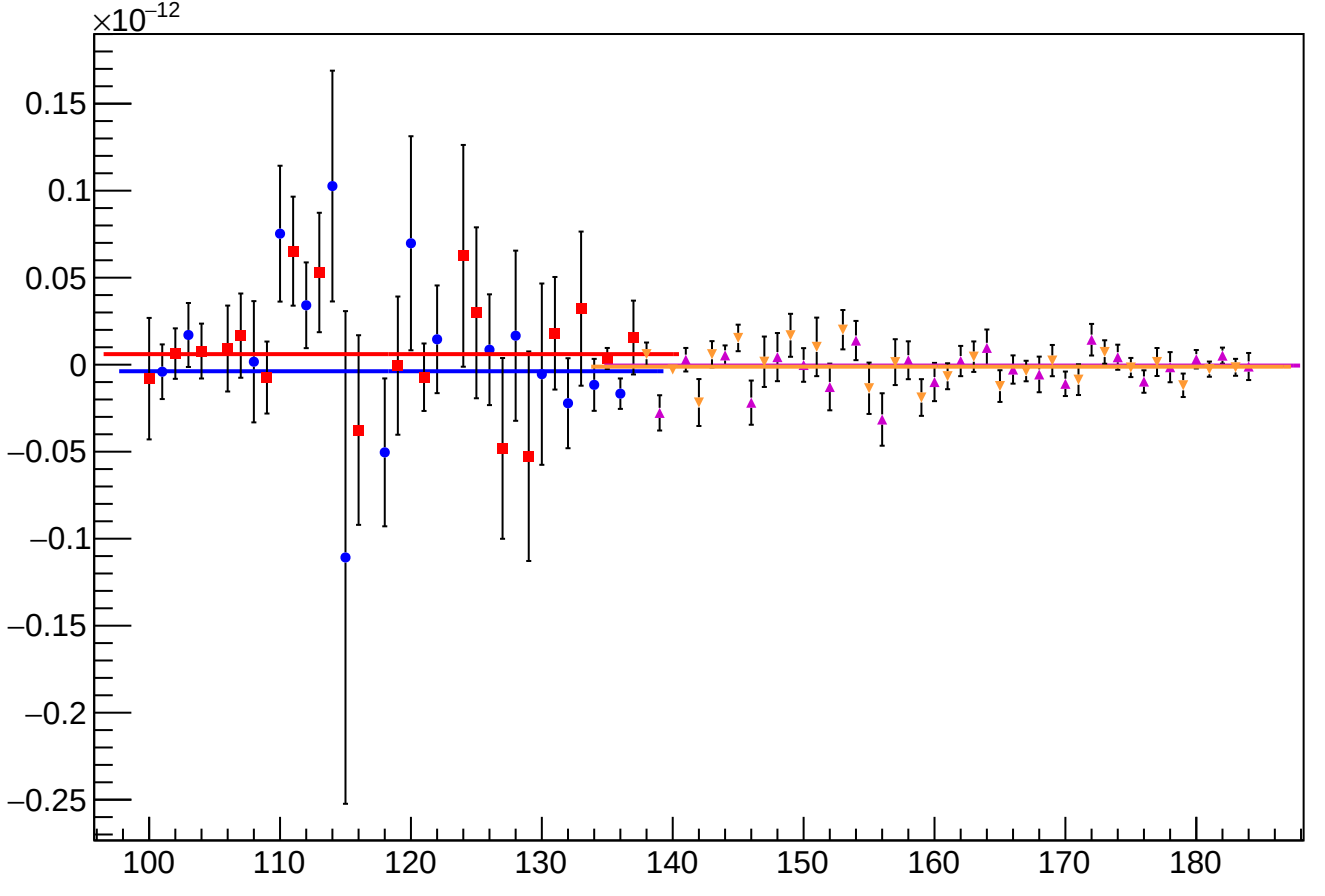
Left: 25.771+/-0.003 χ^2/NDF: 6895477.4/46

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 24.306+/-0.004 χ^2/NDF:5002920.8/38

Out: 24.064+/-0.004 χ^2/NDF:5395794.3/42

All: 24.181+/-0.003 χ^2/NDF: 10400884.6/81



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:29.7/22

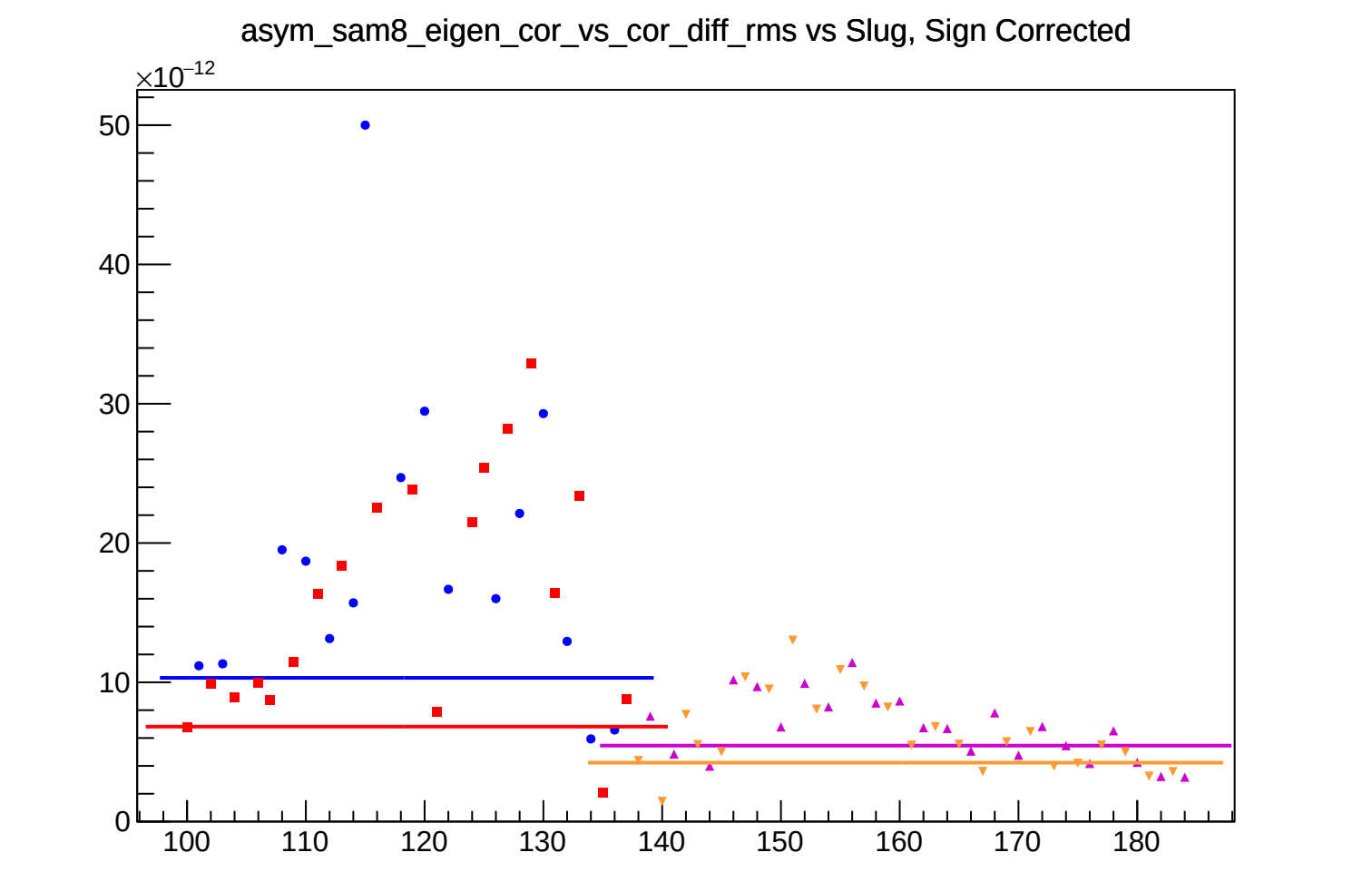
Left: -0.000+/-0.000 χ^2/NDF: 56.7/46

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:47.2/38

Out: -0.000+/-0.000 χ^2/NDF:40.8/42

All: -0.000+/-0.000 χ^2/NDF: 88.0/81



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5315504.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

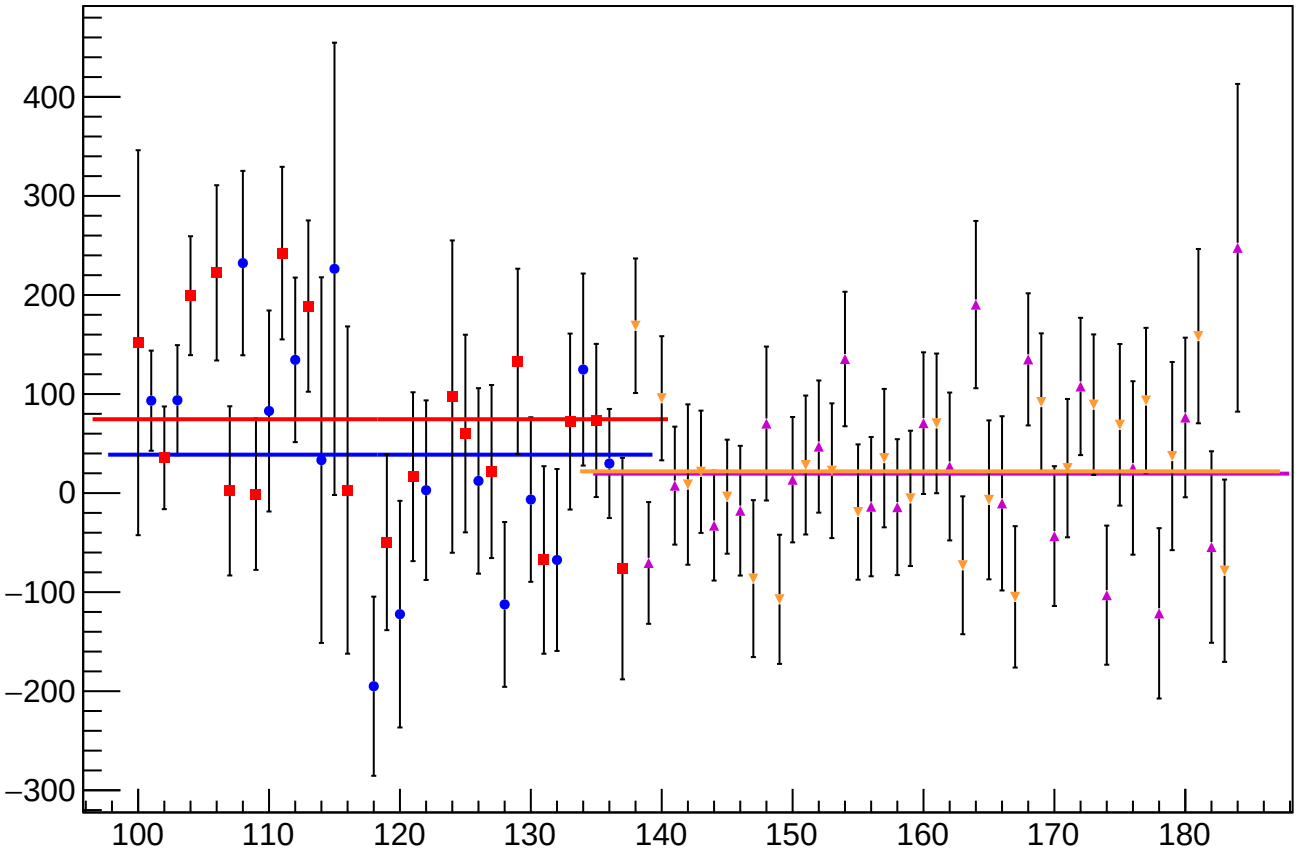
Left: 0.000+/-0.000 χ^2/NDF: 8752365.8/46

Right: 0.000+/-0.000 χ^2/NDF: 6473556.7/34

In: 0.000+/-0.000 χ^2/NDF:6195337.0/38

Out: 0.000+/-0.000 χ^2/NDF:9981978.1/42

All: 0.000+/-0.000 χ^2/NDF: 17070169.2/81



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: 19.642+/-15.040 χ^2/NDF:26.2/22

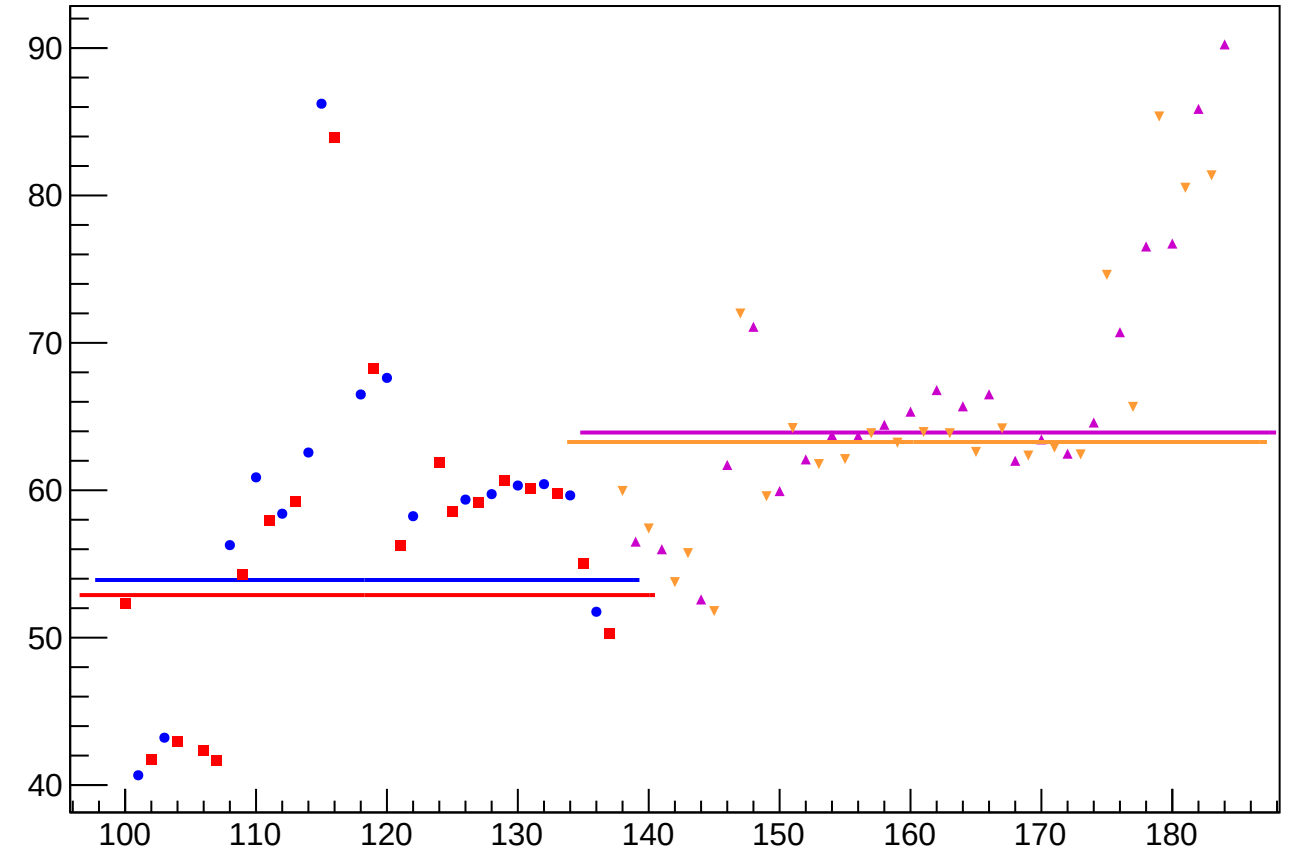
Left: 20.821+/-10.471 χ^2/NDF: 51.3/46

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 26.377+/-12.108 χ^2/NDF:50.1/38

Out: 40.448+/-11.744 χ^2/NDF:52.1/42

All: 33.627+/-8.430 χ^2/NDF: 102.9/81



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 63.274+/-0.010 χ^2/NDF:496333.8/23

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

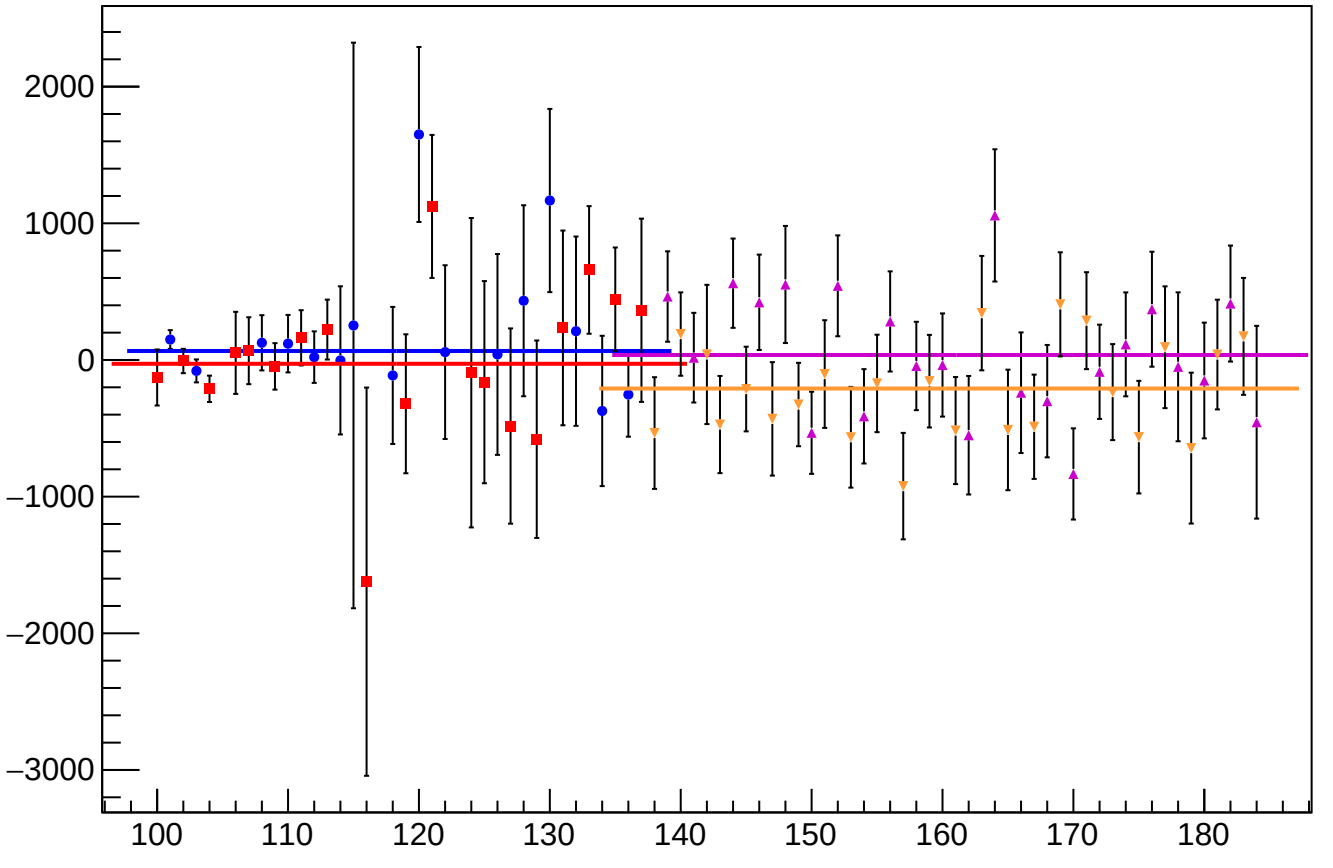
Left: 63.586+/-0.007 χ^2/NDF: 943531.5/46

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 60.398+/-0.009 χ^2/NDF:1150033.8/38

Out: 59.622+/-0.008 χ^2/NDF:1278205.9/42

All: 59.998+/-0.006 χ^2/NDF: 2432472.5/81



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: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -88.550+/-55.480 χ^2/NDF: 54.9/46

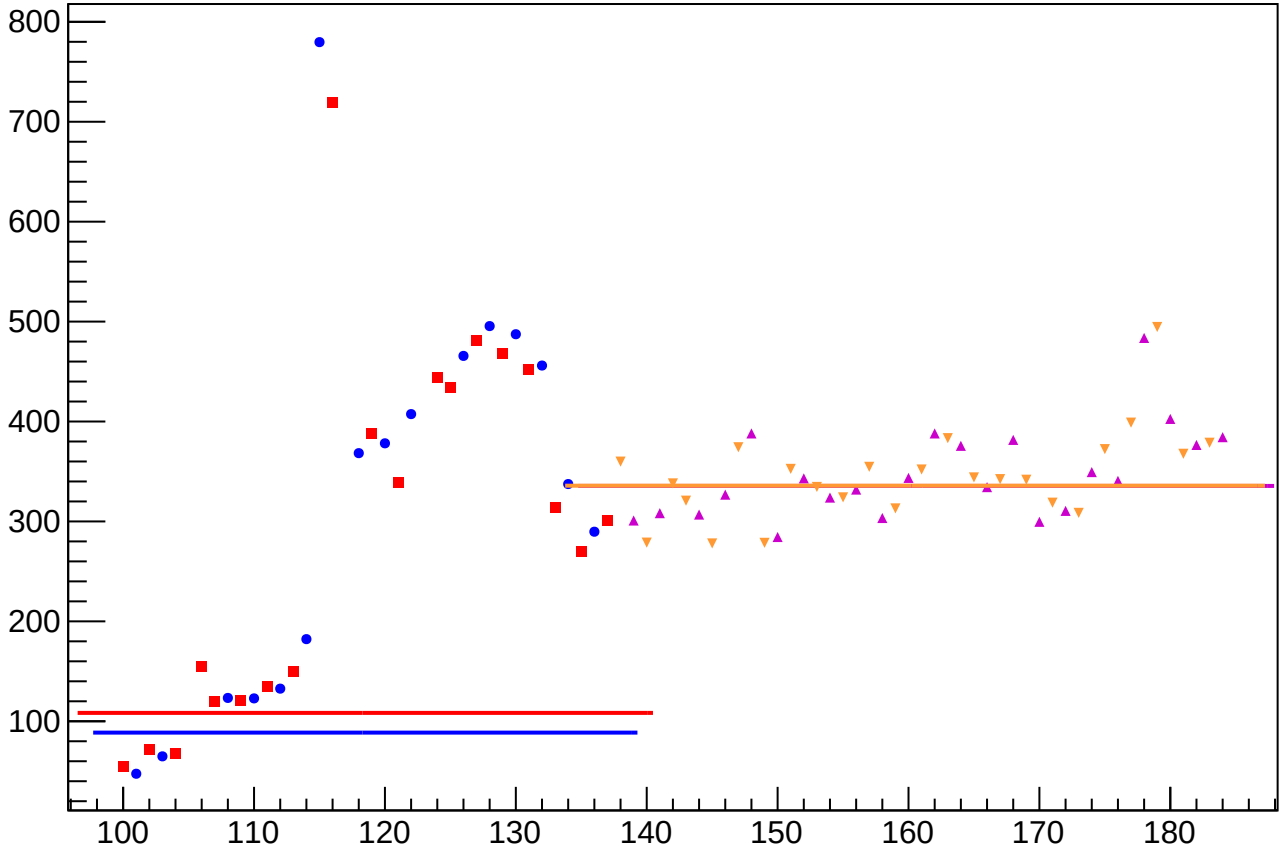
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 58.314+/-40.087 χ^2/NDF:46.9/38

Out: -81.272+/-42.224 χ^2/NDF:40.7/42

All: -7.857+/-29.072 χ^2/NDF: 93.4/81

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: 335.526+/-0.056 χ^2/NDF:495163.6/22

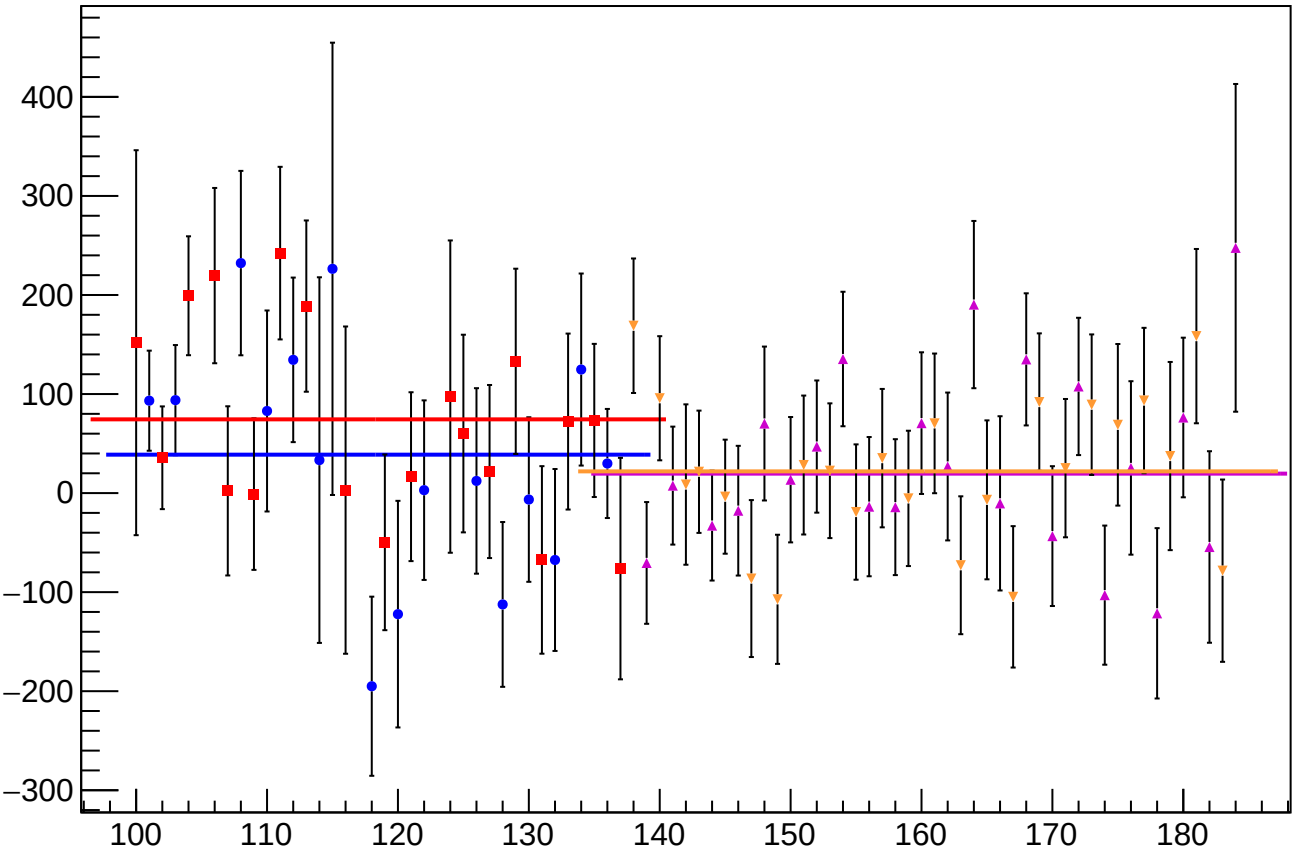
Left: 335.648+/-0.039 χ^2/NDF: 1054042.0/46

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 151.886+/-0.028 χ^2/NDF:21594412.9/38

Out: 175.481+/-0.030 χ^2/NDF:17985695.1/42

All: 163.071+/-0.021 χ^2/NDF: 39908555.7/81



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: 19.642+/-15.040 χ^2/NDF:26.2/22

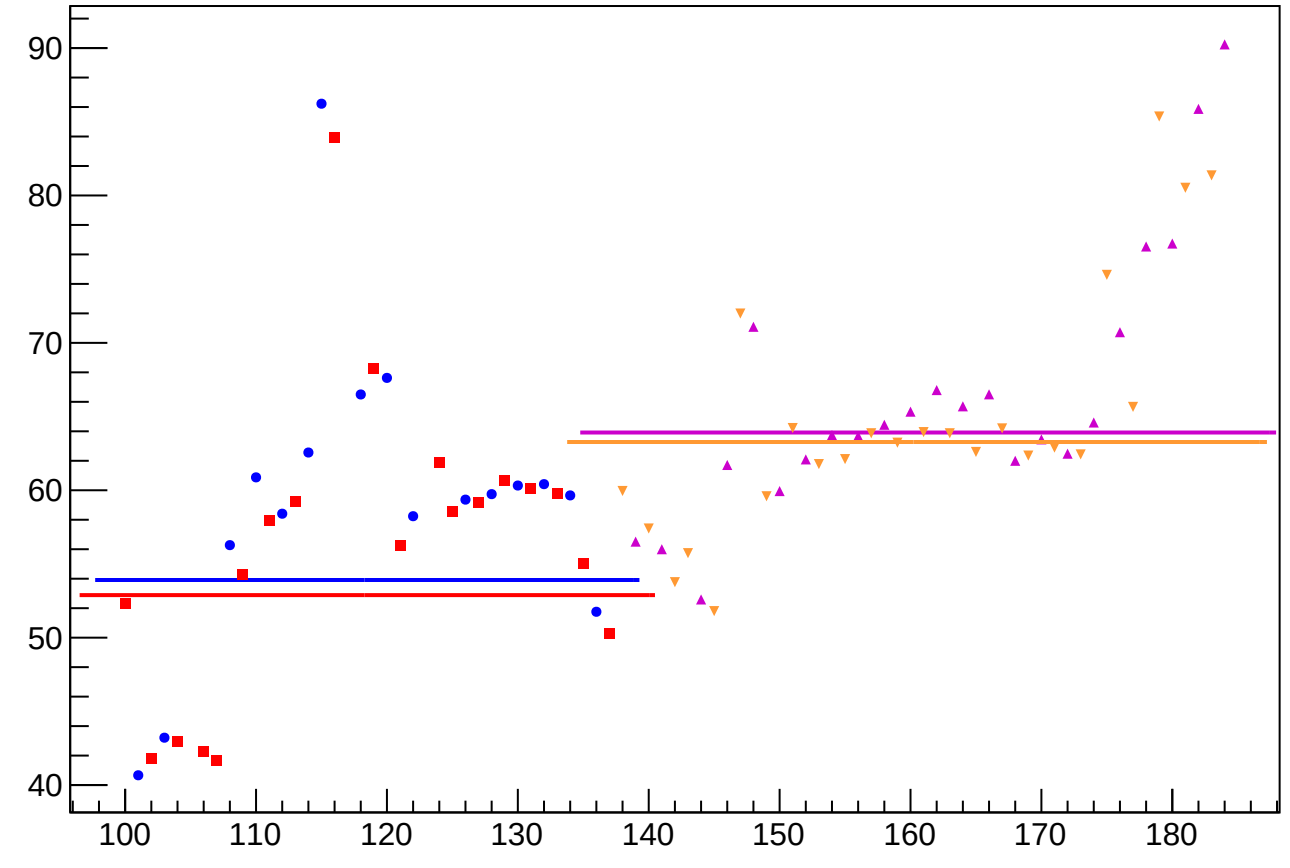
Left: 20.822+/-10.471 χ^2/NDF: 51.3/46

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 26.380+/-12.108 χ^2/NDF:50.1/38

Out: 40.400+/-11.744 χ^2/NDF:52.0/42

All: 33.604+/-8.430 χ^2/NDF: 102.8/81



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 63.274+/-0.010 χ^2/NDF:496333.9/23

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

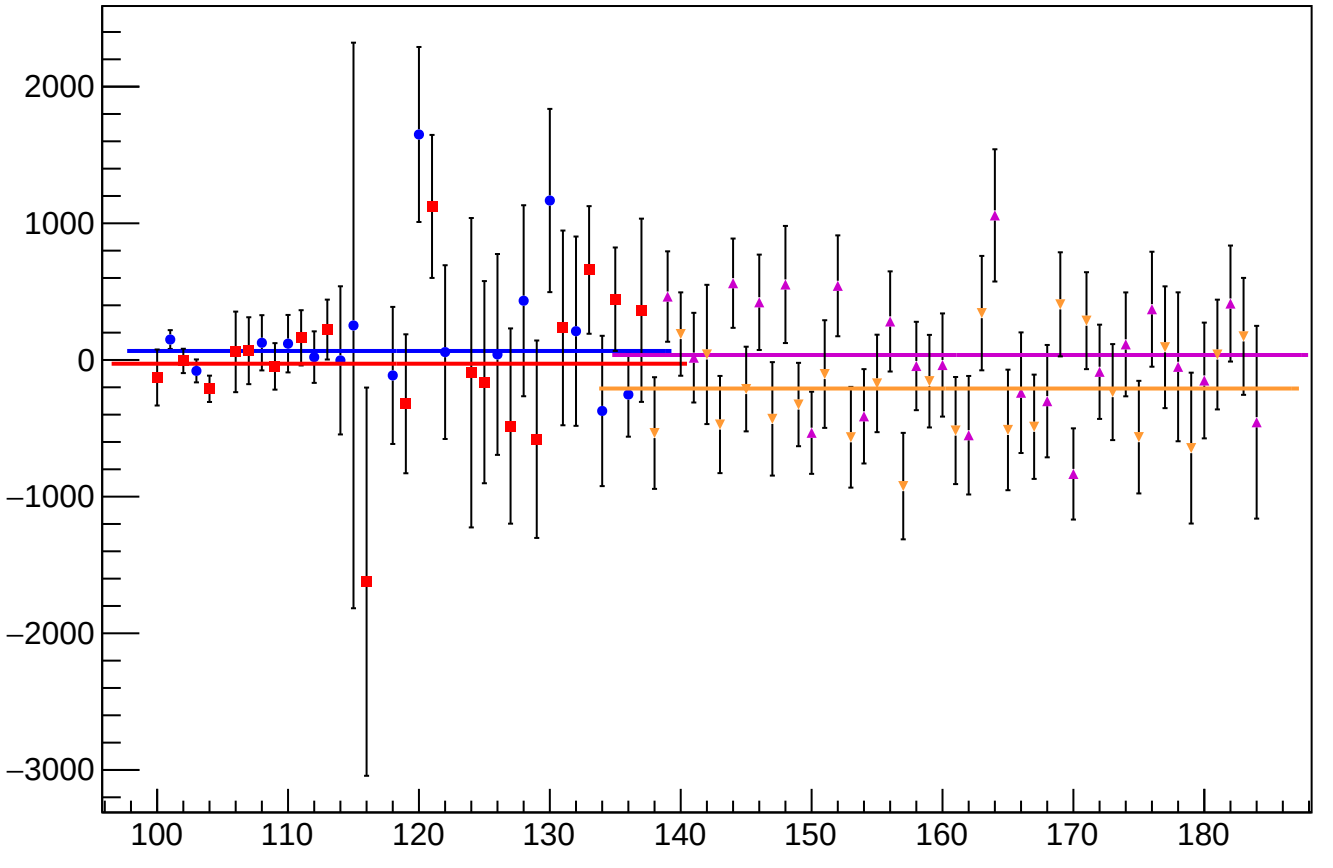
Left: 63.586+/-0.007 χ^2/NDF: 943531.6/46

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 60.398+/-0.009 χ^2/NDF:1150032.7/38

Out: 59.621+/-0.008 χ^2/NDF:1278635.0/42

All: 59.997+/-0.006 χ^2/NDF: 2432905.5/81



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: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -88.549+/-55.480 χ^2/NDF: 54.9/46

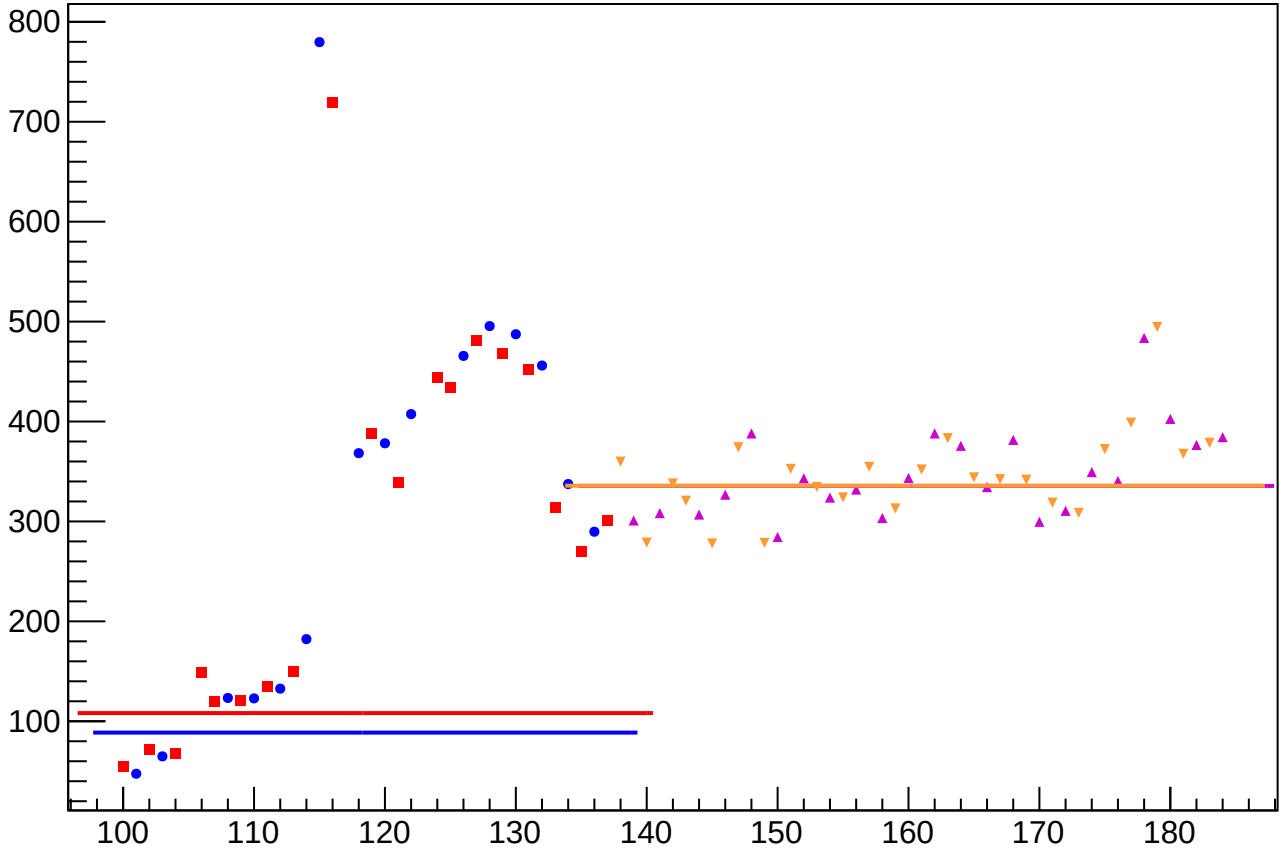
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 58.316+/-40.086 χ^2/NDF:46.9/38

Out: -80.894+/-42.199 χ^2/NDF:40.8/42

All: -7.717+/-29.063 χ^2/NDF: 93.4/81

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 335.766+/-0.055 χ^2/NDF:558865.6/23

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

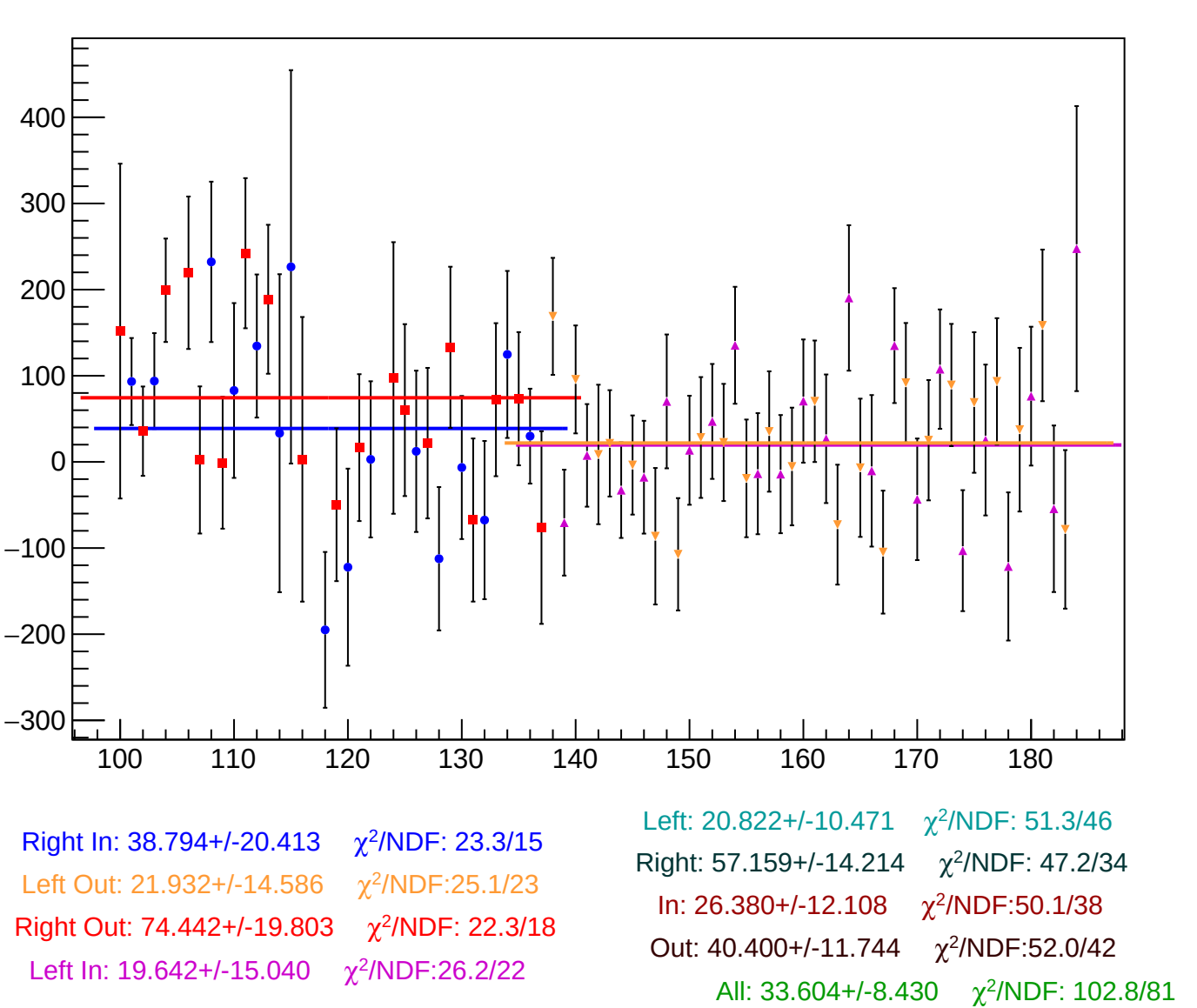
Left: 335.648+/-0.039 χ^2/NDF: 1054044.9/46

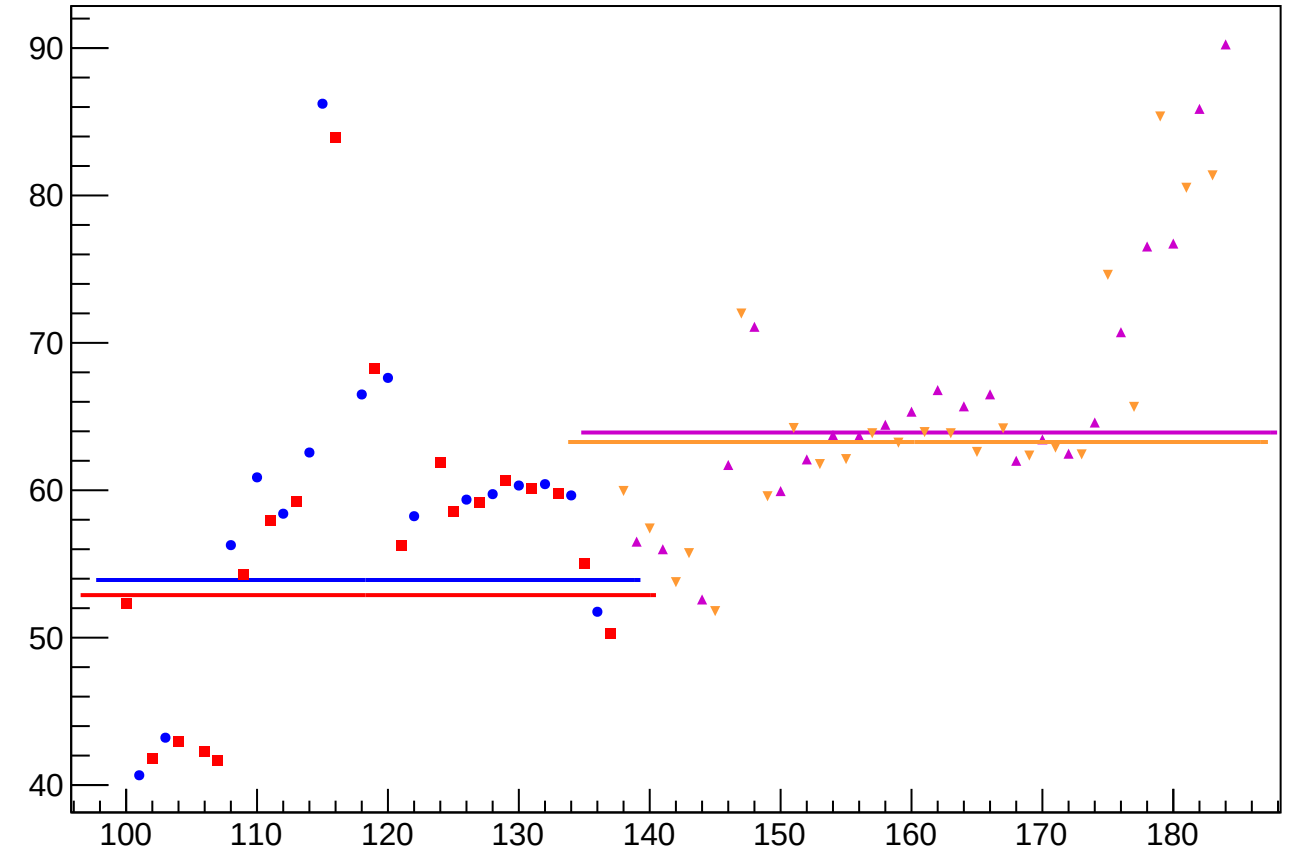
Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 151.882+/-0.028 χ^2/NDF:21594946.7/38

Out: 175.274+/-0.030 χ^2/NDF:18002742.2/42

All: 162.978+/-0.021 χ^2/NDF: 39920734.0/81


eigen_cor_asym_sam_15_avg_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
180
Right In: 38.794+/-20.413 χ²/NDF: 23.3/15
Left Out: 21.932+/-14.586 χ²/NDF:25.1/23
Right Out: 74.442+/-19.803 χ²/NDF: 22.3/18
Left In: 19.642+/-15.040 χ²/NDF:26.2/22
Left: 20.822+/-10.471 χ²/NDF: 51.3/46
Right: 57.159+/-14.214 χ²/NDF: 47.2/34
In: 26.380+/-12.108 χ²/NDF:50.1/38
Out: 40.400+/-11.744 χ²/NDF:52.0/42
All: 33.604+/-8.430 χ²/NDF: 102.8/81



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 63.274+/-0.010 χ^2/NDF:496333.9/23

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.586+/-0.007 χ^2/NDF: 943531.6/46

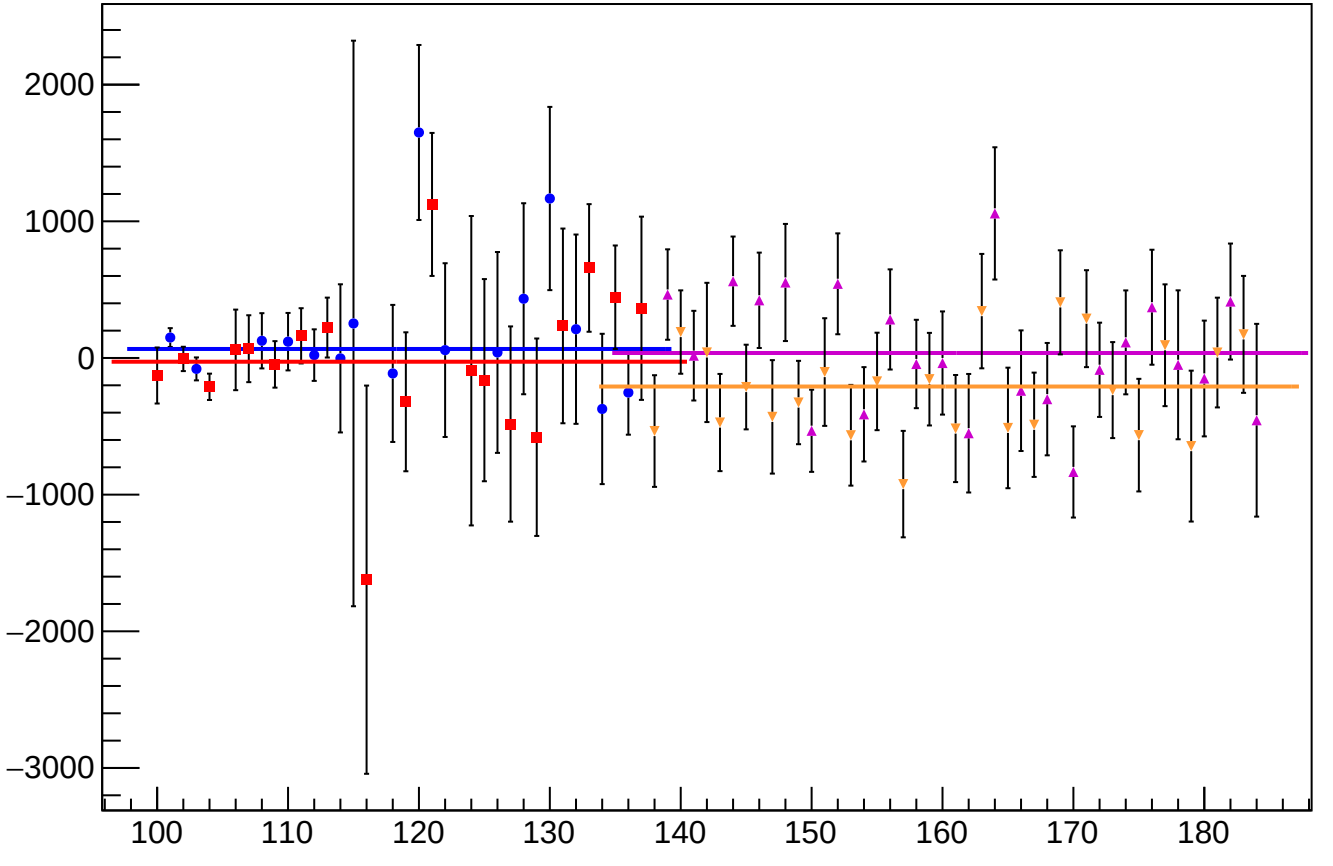
Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 60.398+/-0.009 χ^2/NDF:1150032.7/38

Out: 59.621+/-0.008 χ^2/NDF:1278635.0/42

All: 59.997+/-0.006 χ^2/NDF: 2432905.5/81

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -208.890+/-77.731 χ^2/NDF:18.9/23

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -88.549+/-55.480 χ^2/NDF: 54.9/46

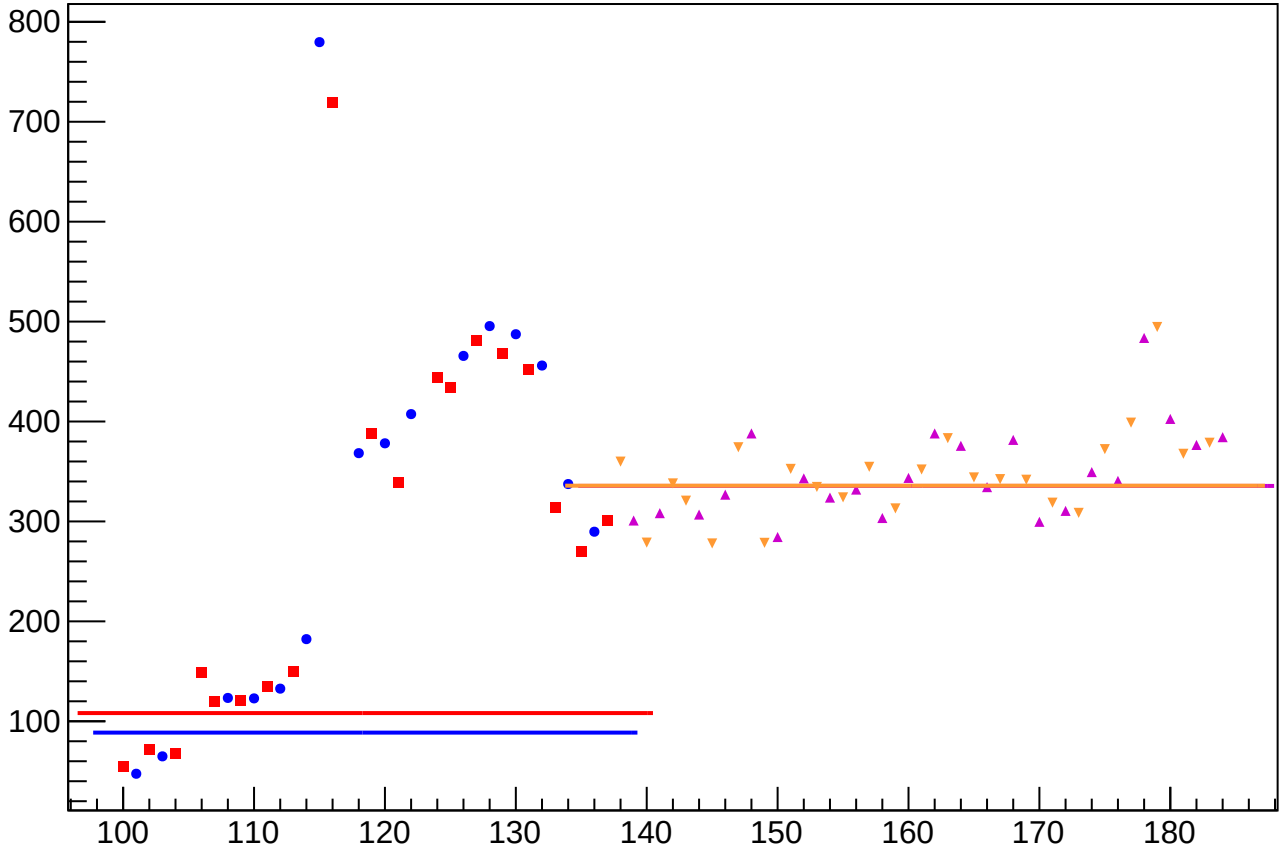
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 58.316+/-40.086 χ^2/NDF:46.9/38

Out: -80.894+/-42.199 χ^2/NDF:40.8/42

All: -7.717+/-29.063 χ^2/NDF: 93.4/81

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: 335.526+/-0.056 χ^2/NDF:495170.0/22

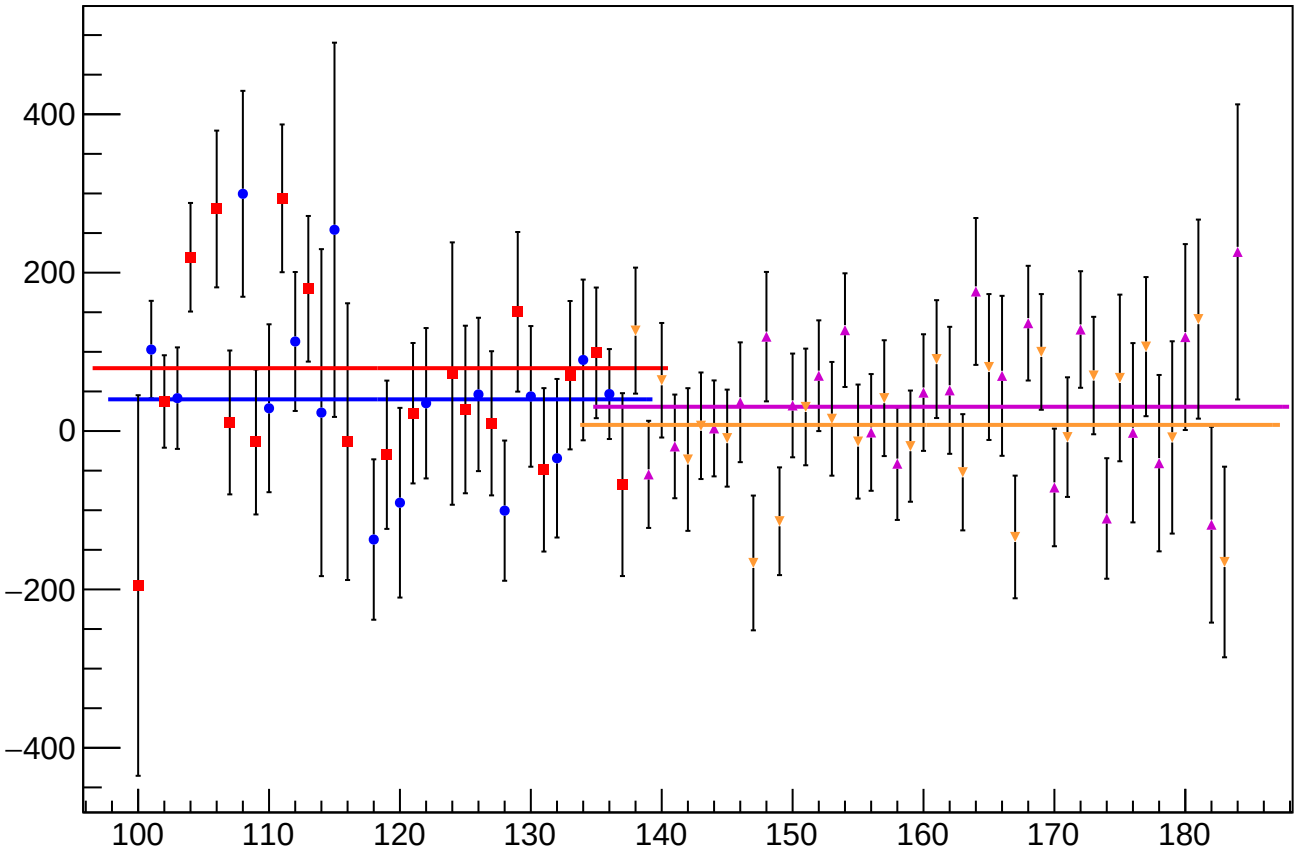
Left: 335.648+/-0.039 χ^2/NDF: 1054044.9/46

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 151.882+/-0.028 χ^2/NDF:21594946.7/38

Out: 175.274+/-0.030 χ^2/NDF:18002742.2/42

All: 162.978+/-0.021 χ^2/NDF: 39920734.0/81



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: 30.662+/-16.503 χ^2/NDF:22.5/22

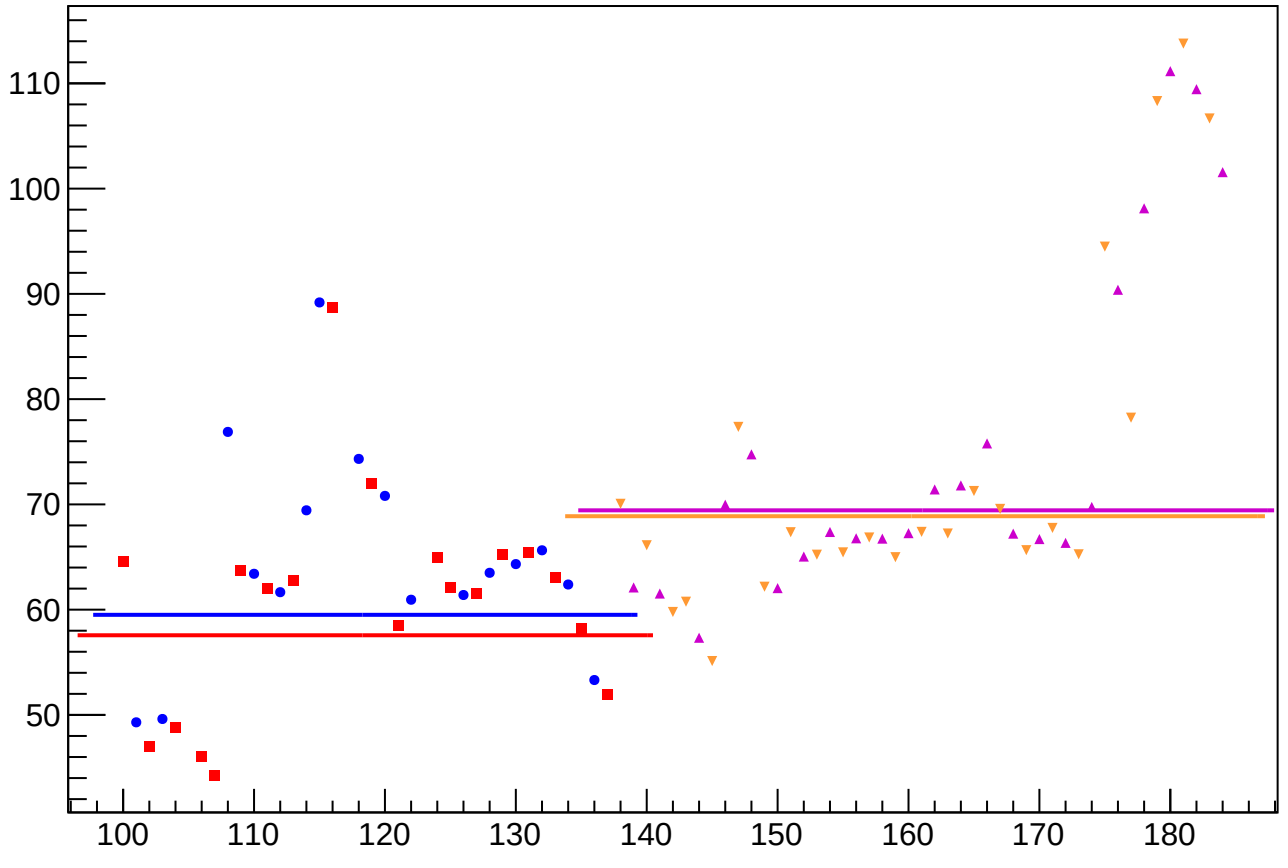
Left: 18.878+/-11.500 χ^2/NDF: 47.6/46

Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 33.936+/-13.310 χ^2/NDF:36.7/38

Out: 33.234+/-12.869 χ^2/NDF:56.0/42

All: 33.573+/-9.252 χ^2/NDF: 92.7/81



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: 69.436+/-0.012 χ^2/NDF:924607.6/22

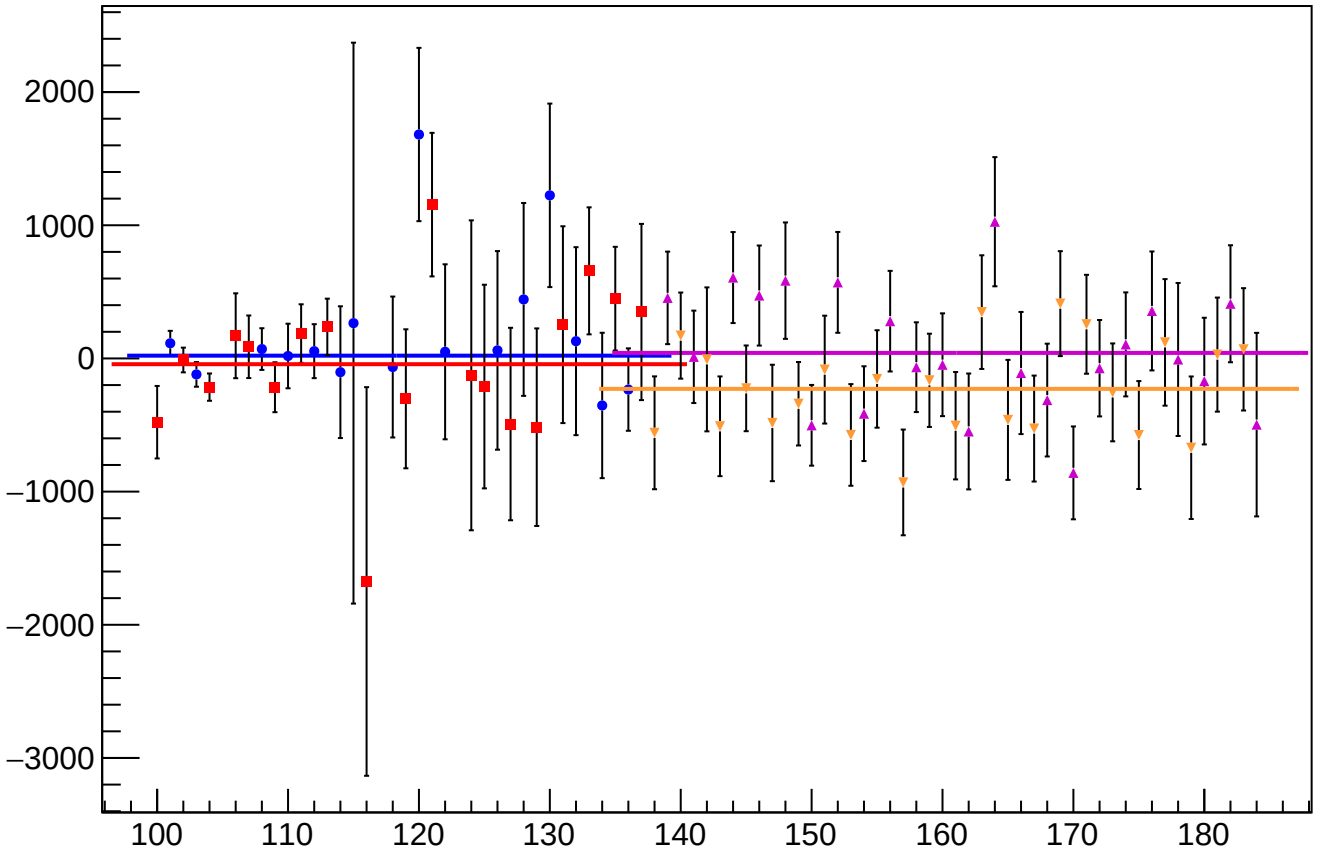
Left: 69.149+/-0.008 χ^2/NDF: 1954165.3/46

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 65.967+/-0.009 χ^2/NDF:1460749.5/38

Out: 64.854+/-0.009 χ^2/NDF:1729842.0/42

All: 65.392+/-0.007 χ^2/NDF: 3197811.8/81



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: 41.512+/-82.256 χ^2/NDF:30.0/22

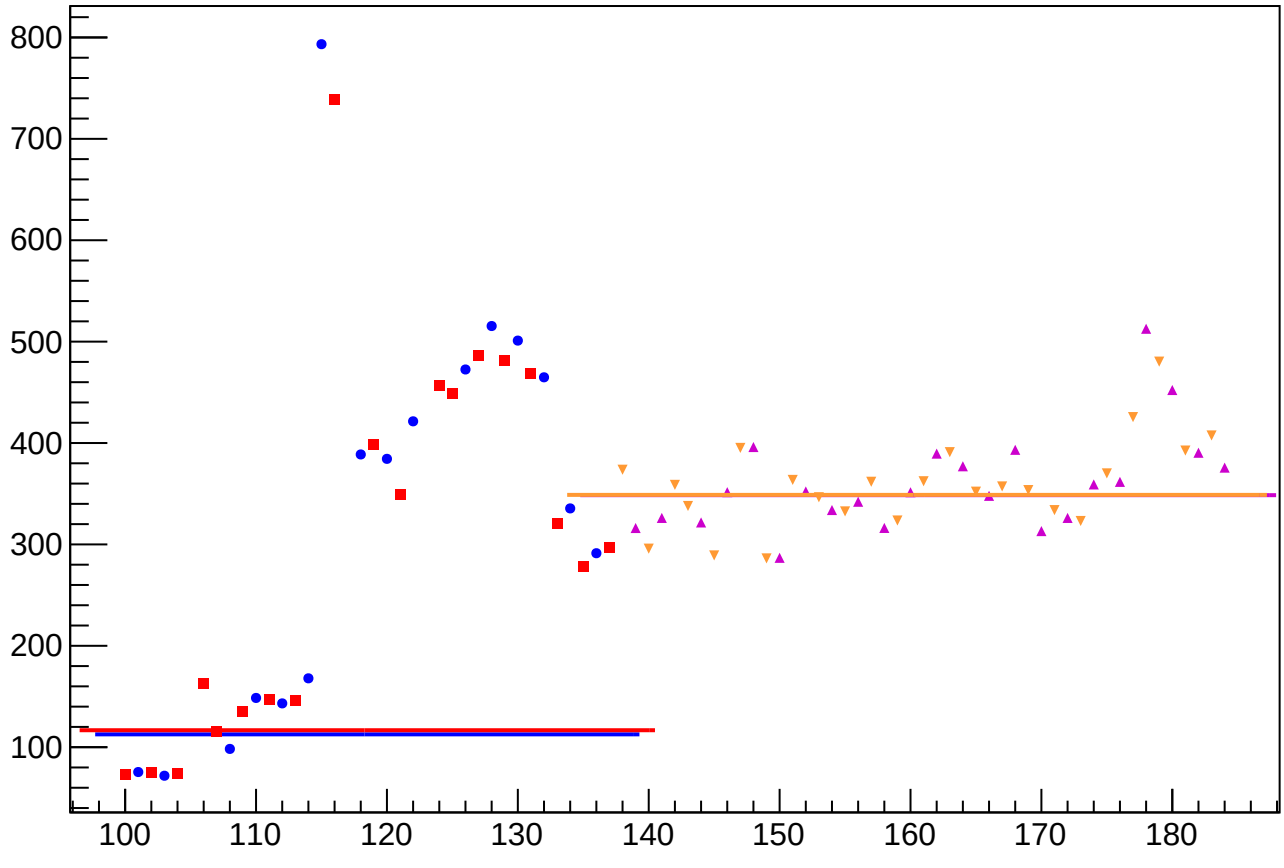
Left: -96.207+/-57.572 χ^2/NDF: 53.2/46

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 26.999+/-44.899 χ^2/NDF:44.6/38

Out: -99.470+/-44.407 χ^2/NDF:42.9/42

All: -36.931+/-31.573 χ^2/NDF: 91.5/81



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: 348.560+/-0.058 χ^2/NDF:525743.6/22

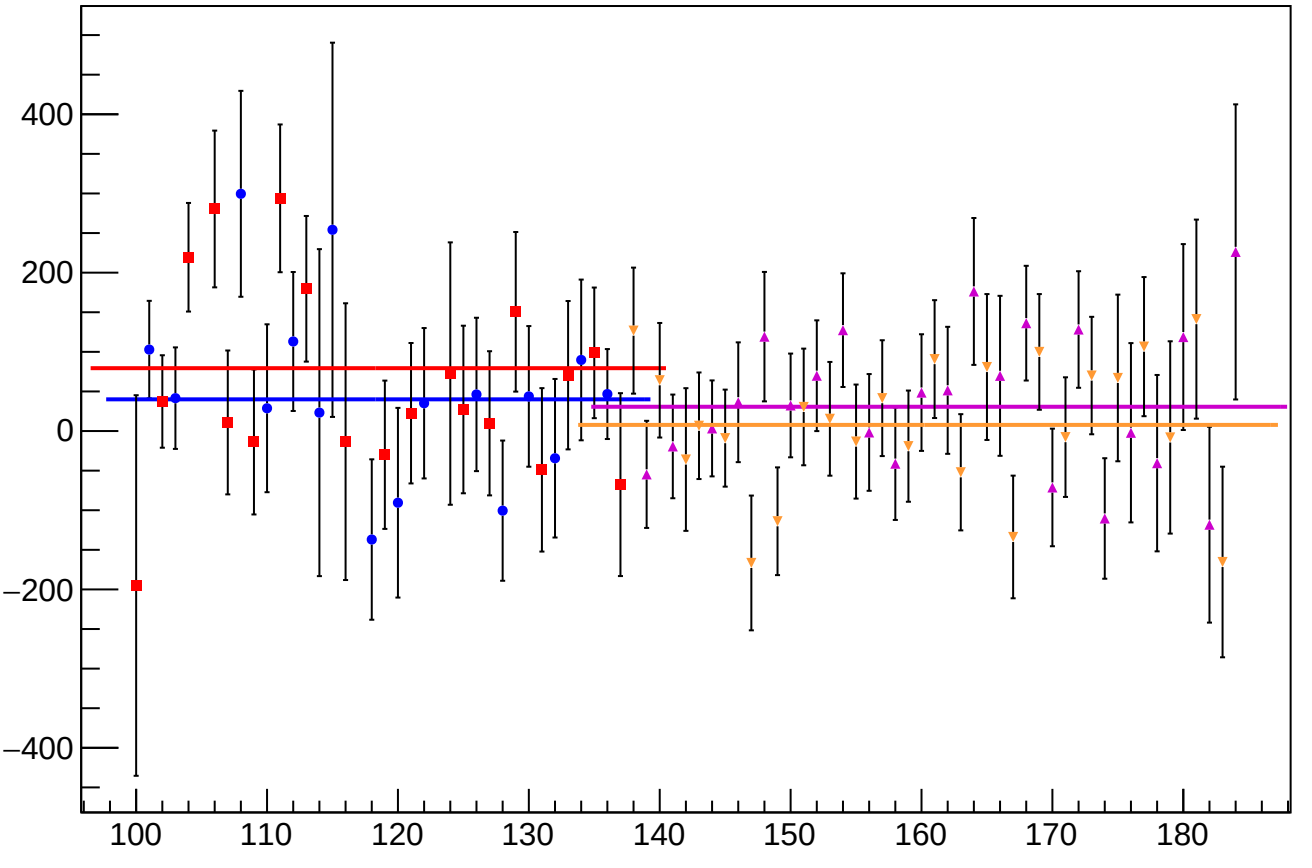
Left: 348.708+/-0.041 χ^2/NDF: 1047023.0/46

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 182.949+/-0.032 χ^2/NDF:17673039.9/38

Out: 187.181+/-0.031 χ^2/NDF:17213582.7/42

All: 185.088+/-0.022 χ^2/NDF: 34895602.7/81



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: 30.662+/-16.503 χ^2/NDF:22.5/22

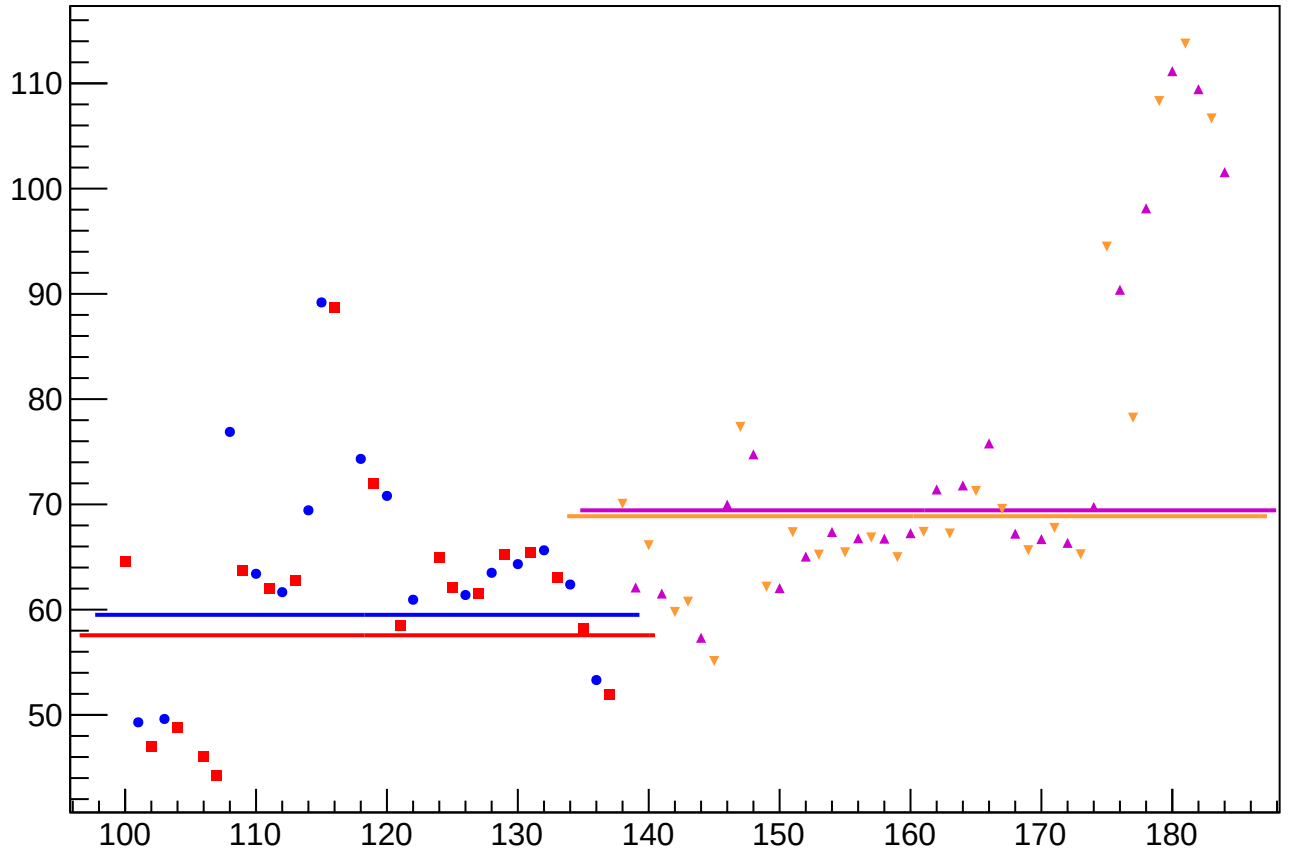
Left: 18.878+/-11.500 χ^2/NDF: 47.6/46

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 33.936+/-13.310 χ^2/NDF:36.7/38

Out: 33.234+/-12.869 χ^2/NDF:56.0/42

All: 33.573+/-9.252 χ^2/NDF: 92.7/81



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: 69.436+/-0.012 χ^2/NDF:924591.6/22

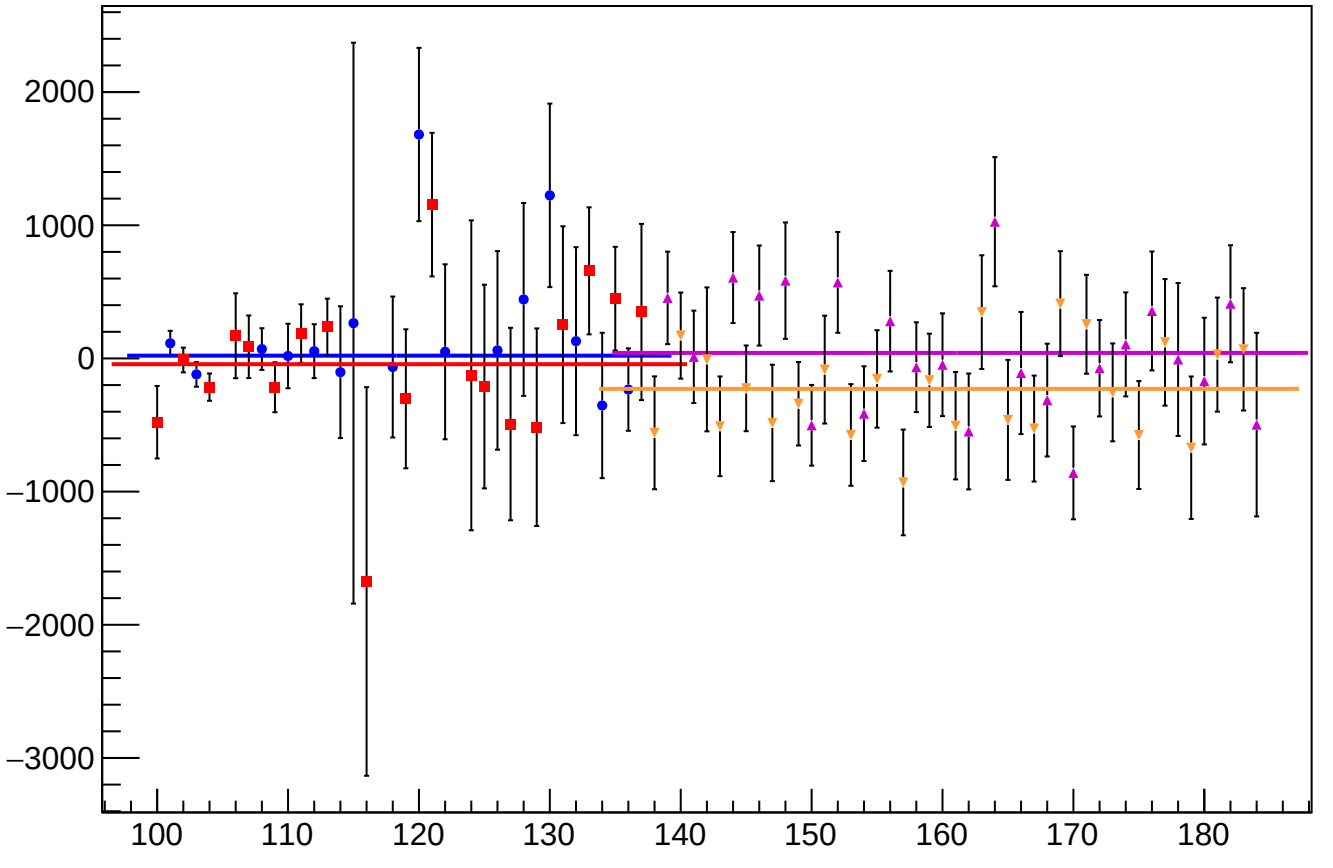
Left: 69.149+/-0.008 χ^2/NDF: 1954132.5/46

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 65.967+/-0.009 χ^2/NDF:1460743.4/38

Out: 64.854+/-0.009 χ^2/NDF:1729831.6/42

All: 65.392+/-0.007 χ^2/NDF: 3197795.6/81



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: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -96.207+/-57.572 χ^2/NDF: 53.2/46

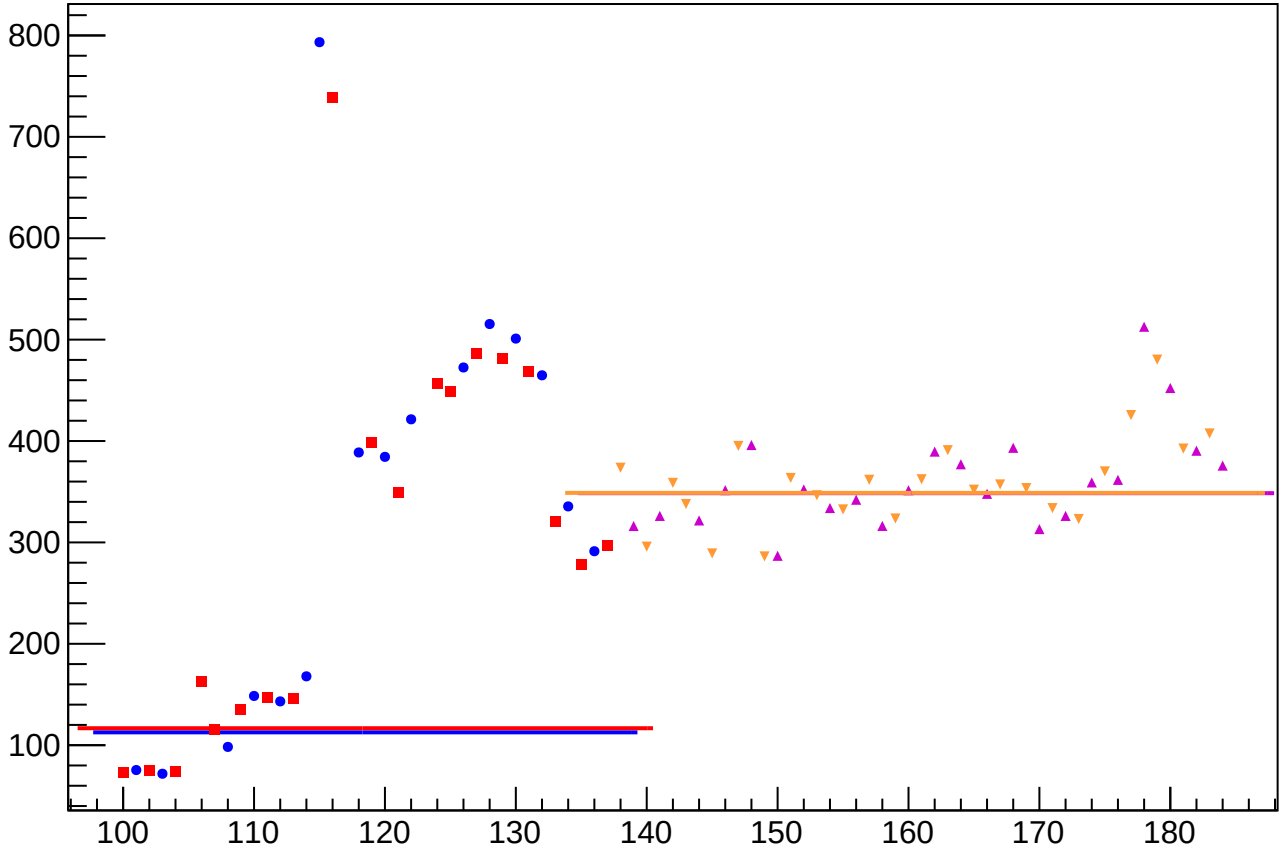
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 26.999+/-44.898 χ^2/NDF:44.6/38

Out: -99.469+/-44.407 χ^2/NDF:42.9/42

All: -36.931+/-31.573 χ^2/NDF: 91.5/81

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: 348.560+/-0.058 χ^2/NDF:525736.6/22

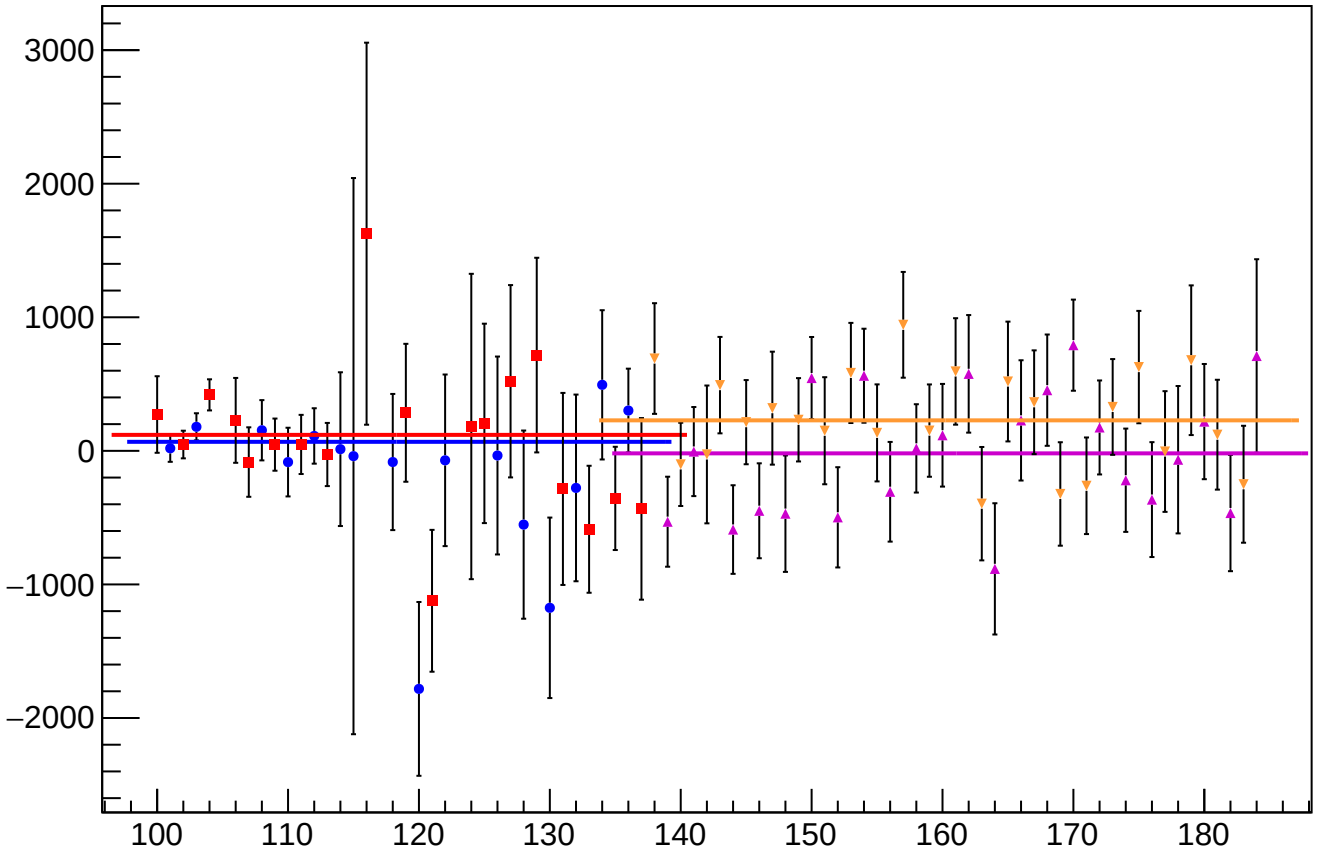
Left: 348.708+/-0.041 χ^2/NDF: 1047007.7/46

Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 182.949+/-0.032 χ^2/NDF:17673099.3/38

Out: 187.181+/-0.031 χ^2/NDF:17213661.3/42

All: 185.088+/-0.022 χ^2/NDF: 34895740.1/81



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: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 107.175+/-56.511 χ^2/NDF: 54.9/46

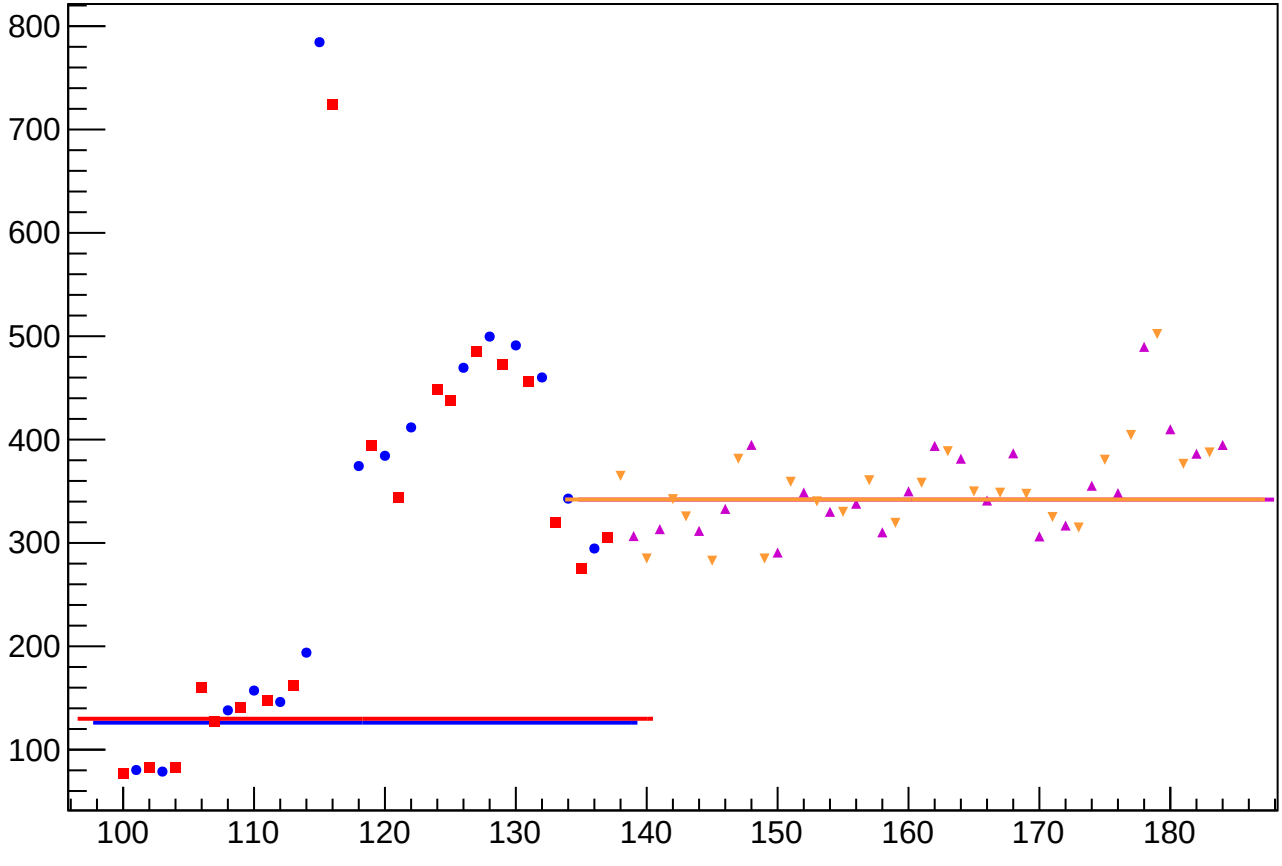
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 37.427+/-47.717 χ^2/NDF:48.5/38

Out: 157.554+/-46.755 χ^2/NDF:40.4/42

All: 98.714+/-33.396 χ^2/NDF: 92.2/81

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: 341.943+/-0.057 χ^2/NDF:485509.1/22

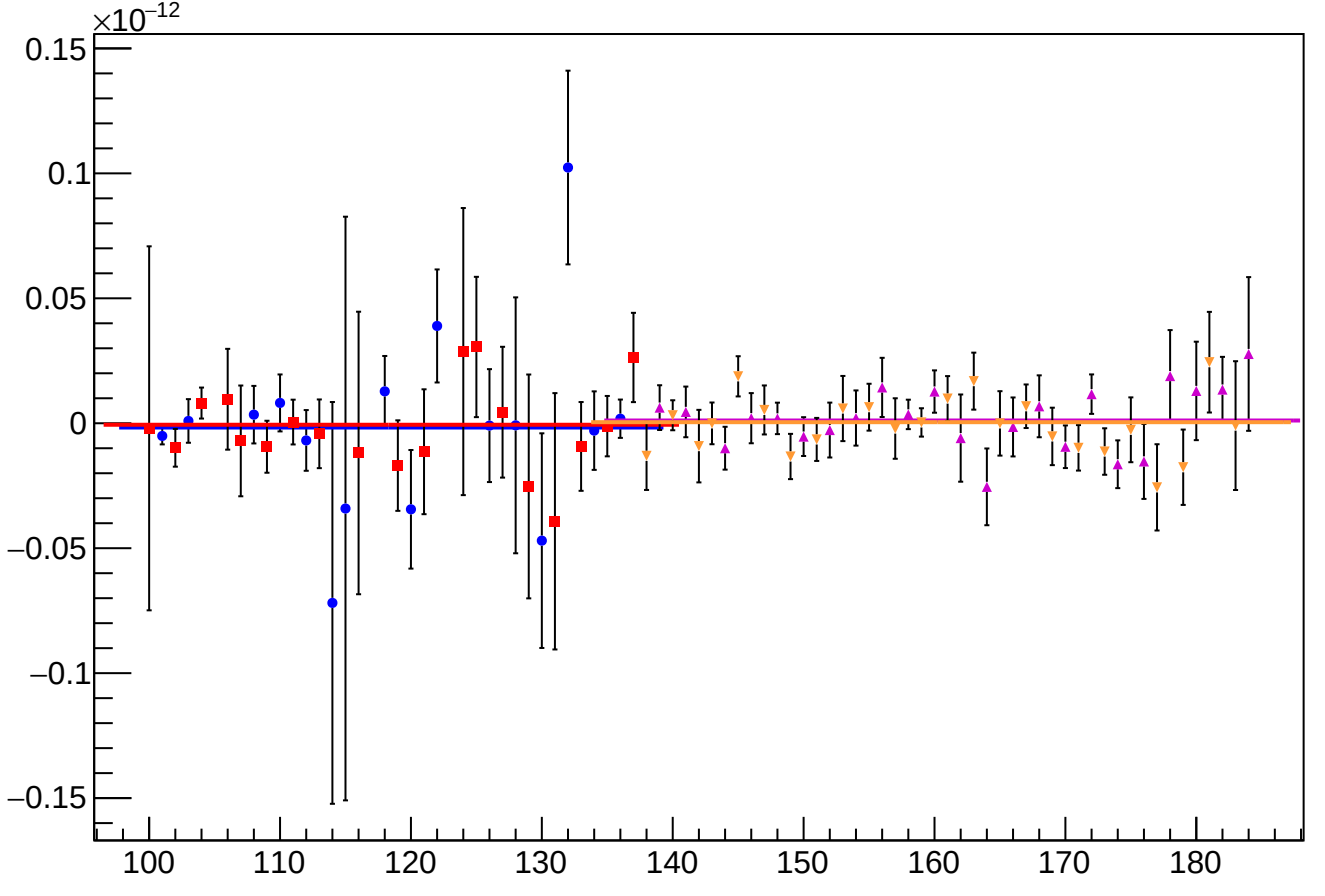
Left: 342.003+/-0.040 χ^2/NDF: 1035365.9/46

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 201.600+/-0.034 χ^2/NDF:15006213.6/38

Out: 203.923+/-0.033 χ^2/NDF:14550938.3/42

All: 202.785+/-0.024 χ^2/NDF: 29559569.1/81



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:20.5/22

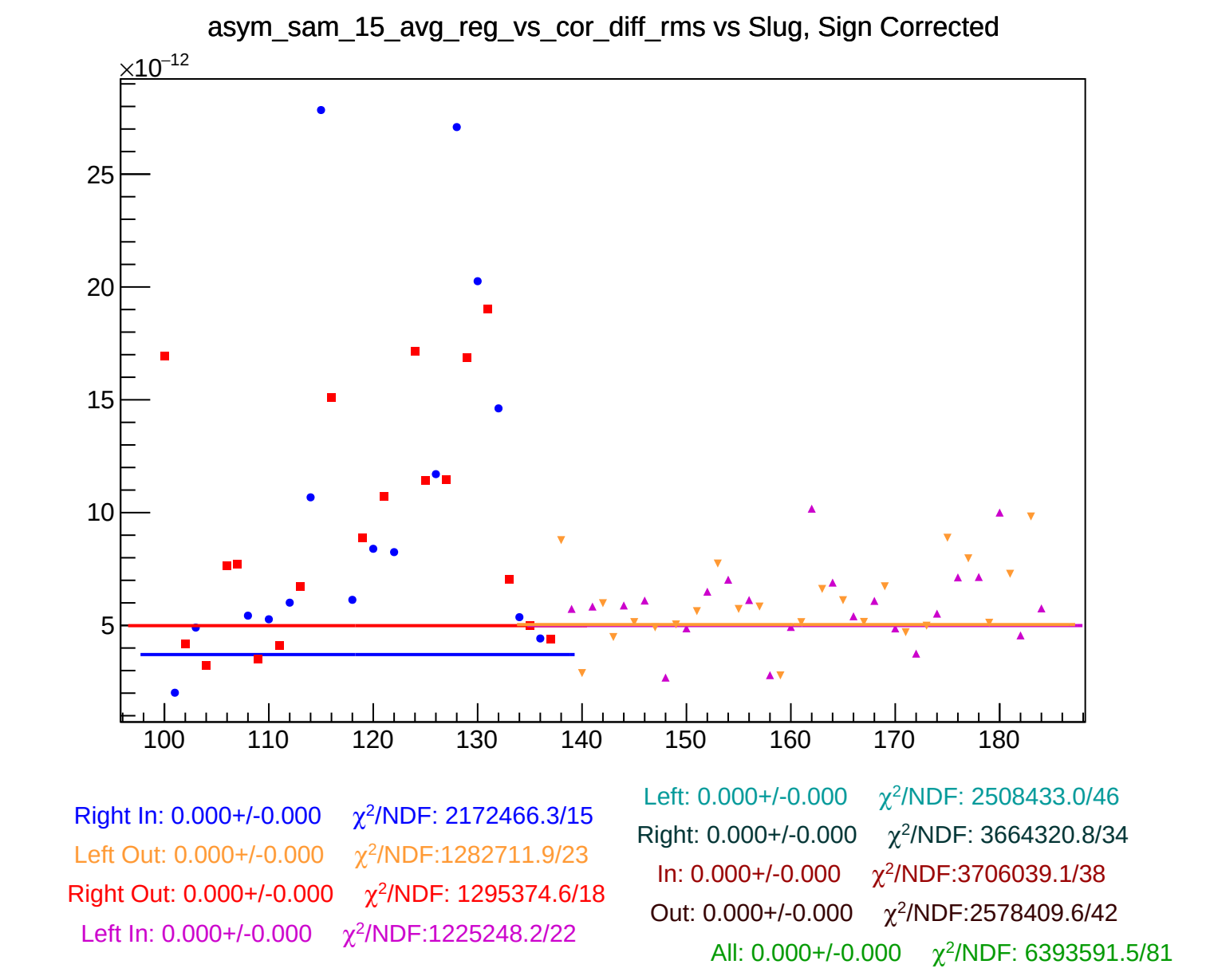
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

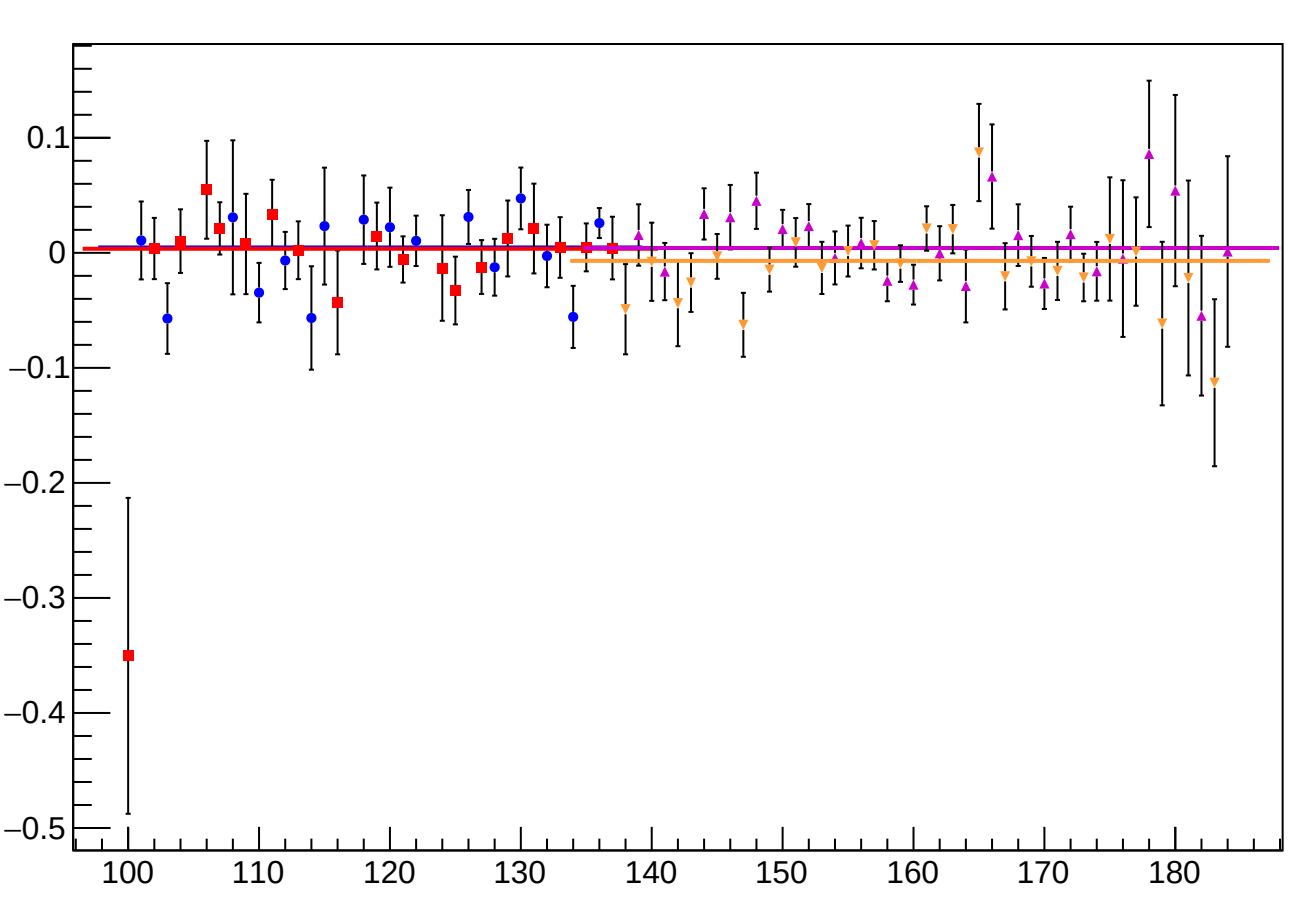
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:39.0/38

Out: 0.000+/-0.000 χ^2/NDF:33.3/42

All: 0.000+/-0.000 χ^2/NDF: 72.2/81


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1282711.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:1225248.2/22
Left: 0.000+/-0.000 χ²/NDF: 2508433.0/46
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:3706039.1/38
Out: 0.000+/-0.000 χ²/NDF:2578409.6/42
All: 0.000+/-0.000 χ²/NDF: 6393591.5/81



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:23.2/22

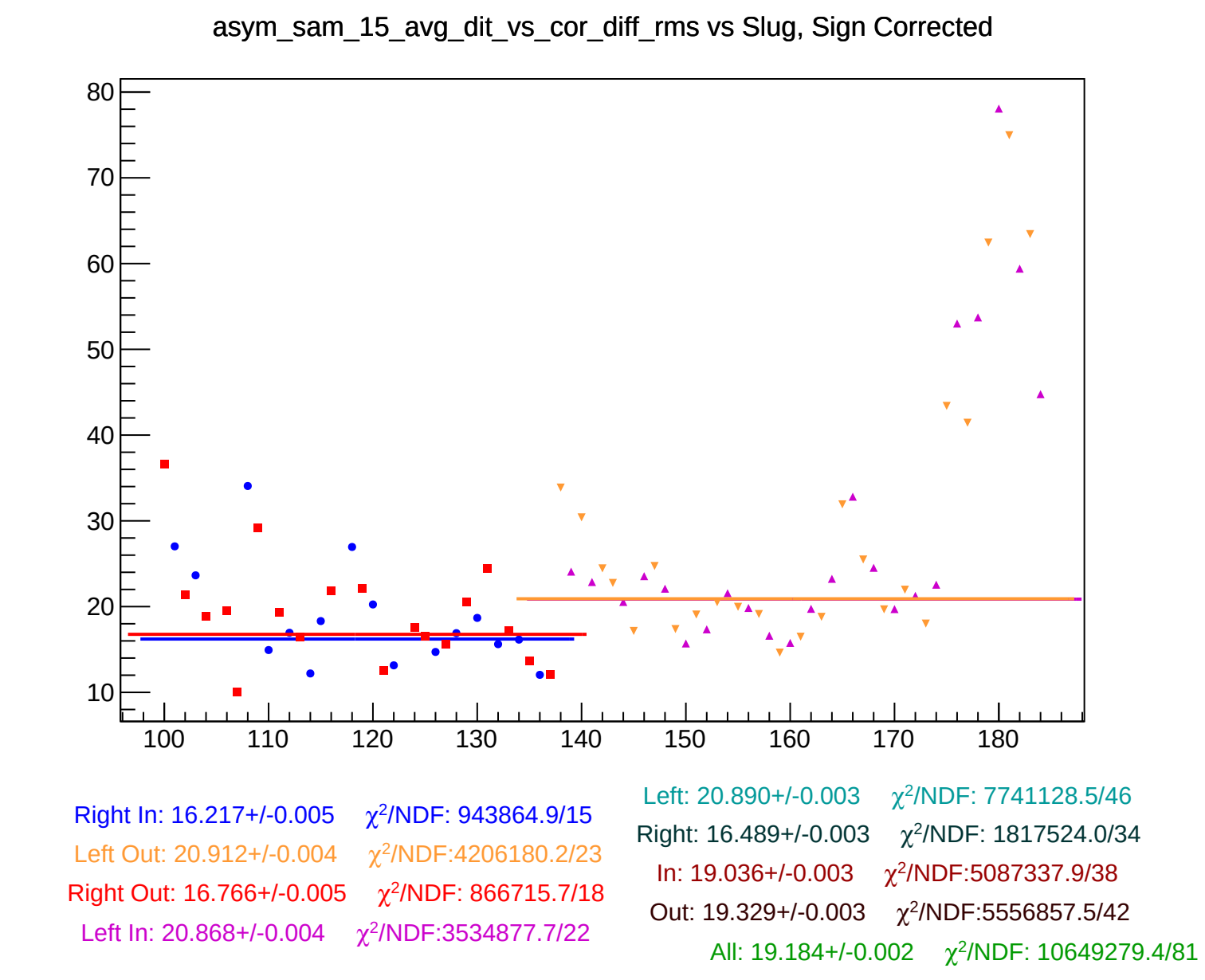
Left: -0.001+/-0.004 χ^2/NDF: 46.1/46

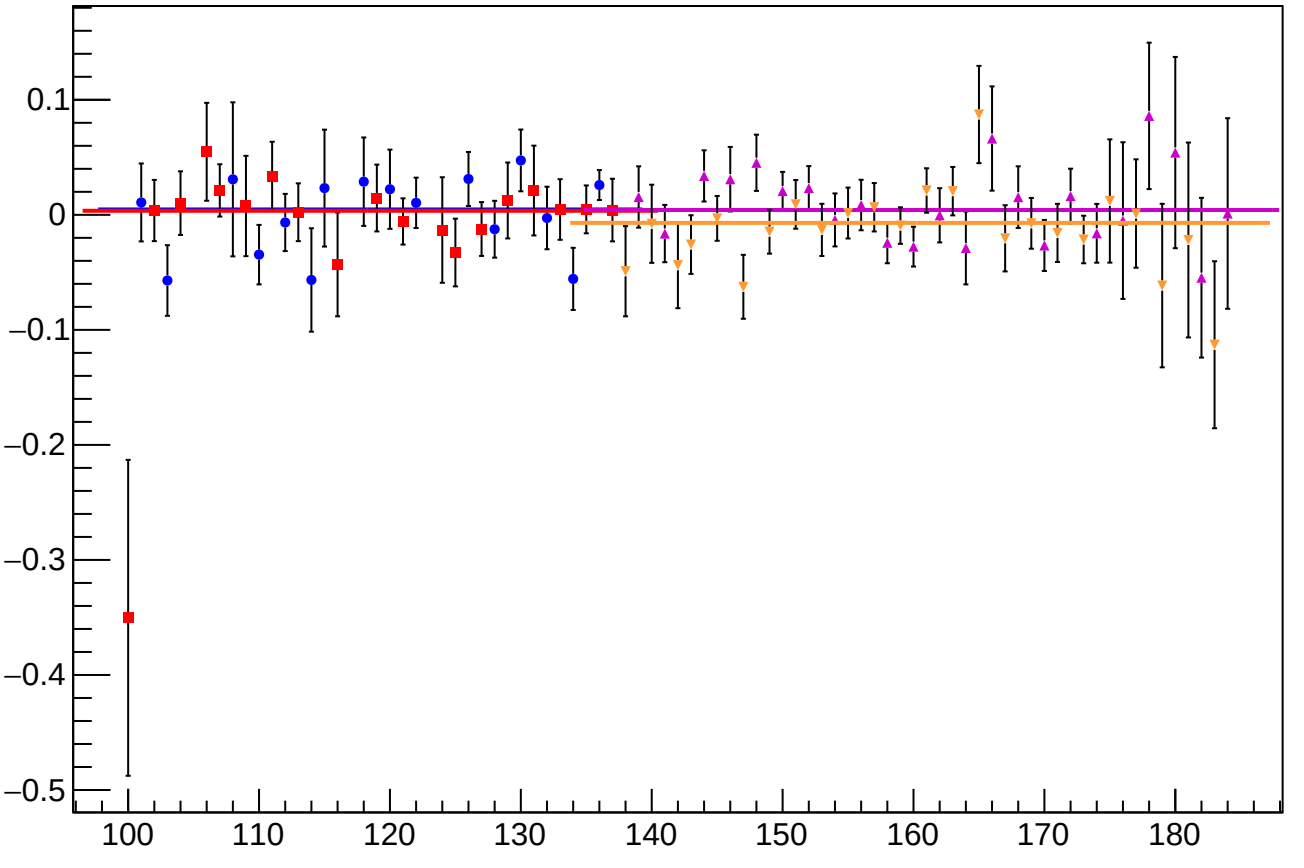
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:44.6/38

Out: -0.003+/-0.004 χ^2/NDF:35.8/42

All: 0.001+/-0.003 χ^2/NDF: 82.1/81


asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 16.217+/-0.005 χ2/NDF: 943864.9/15
Left Out: 20.912+/-0.004 χ2/NDF:4206180.2/23
Right Out: 16.766+/-0.005 χ2/NDF: 866715.7/18
Left In: 20.868+/-0.004 χ2/NDF:3534877.7/22
Left: 20.890+/-0.003 χ2/NDF: 7741128.5/46
Right: 16.489+/-0.003 χ2/NDF: 1817524.0/34
In: 19.036+/-0.003 χ2/NDF:5087337.9/38
Out: 19.329+/-0.003 χ2/NDF:5556857.5/42
All: 19.184+/-0.002 χ2/NDF: 10649279.4/81



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:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 46.1/46

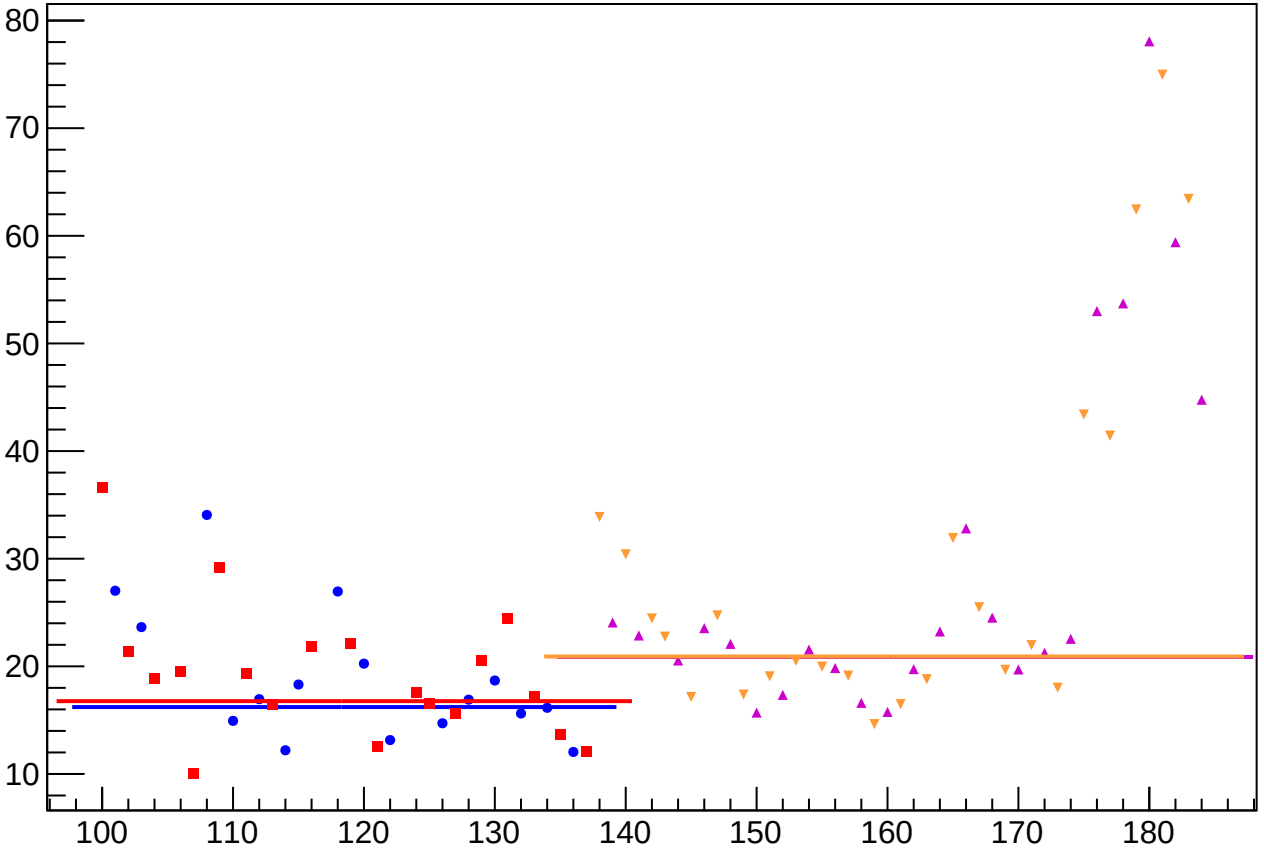
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:44.6/38

Out: -0.003+/-0.004 χ^2/NDF:35.8/42

All: 0.001+/-0.003 χ^2/NDF: 82.1/81

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: 20.868+/-0.004 χ^2/NDF:3534877.7/22

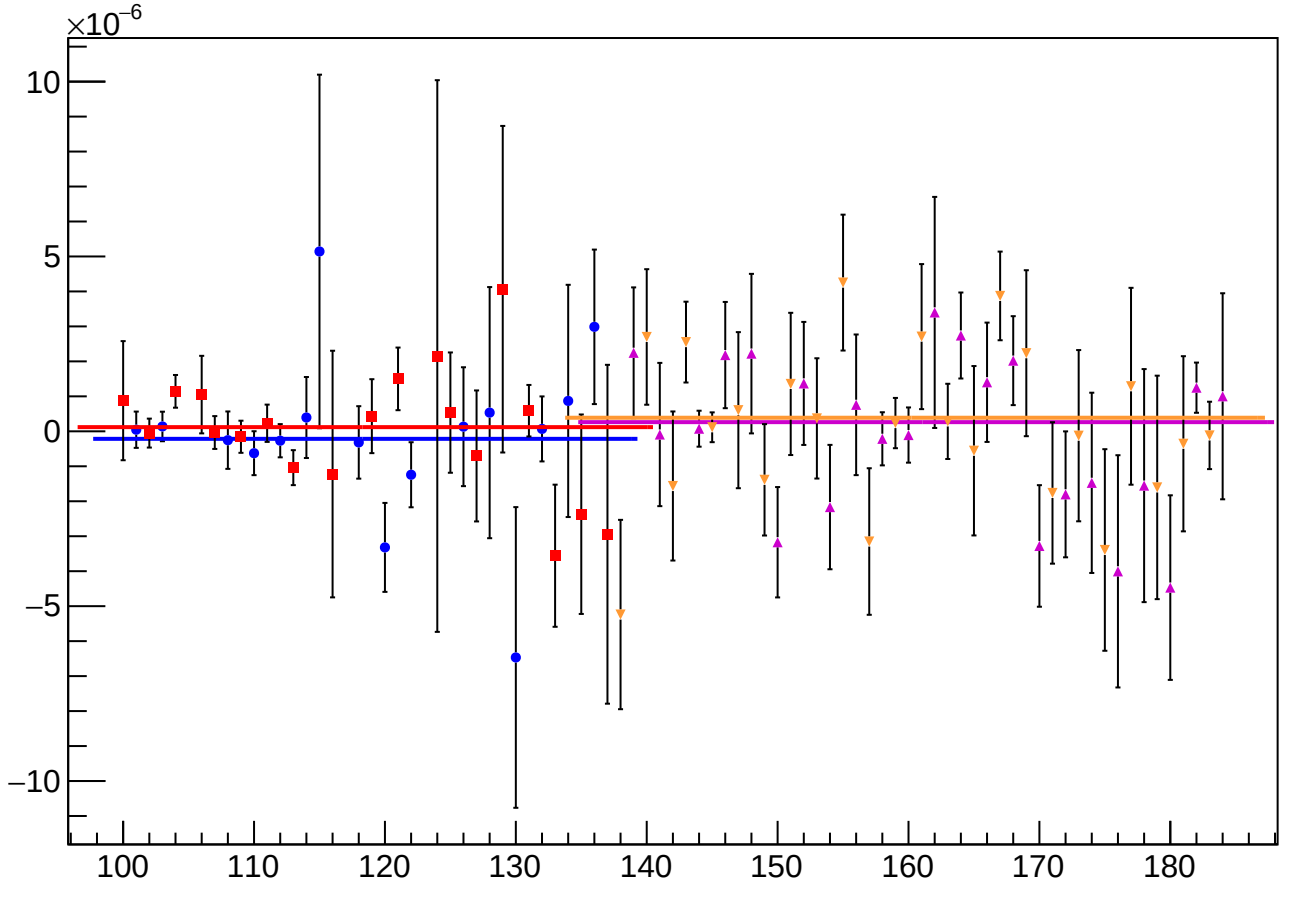
Left: 20.890+/-0.003 χ^2/NDF: 7741128.5/46

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 19.036+/-0.003 χ^2/NDF:5087337.9/38

Out: 19.329+/-0.003 χ^2/NDF:5556857.5/42

All: 19.184+/-0.002 χ^2/NDF: 10649279.4/81



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:31.6/22

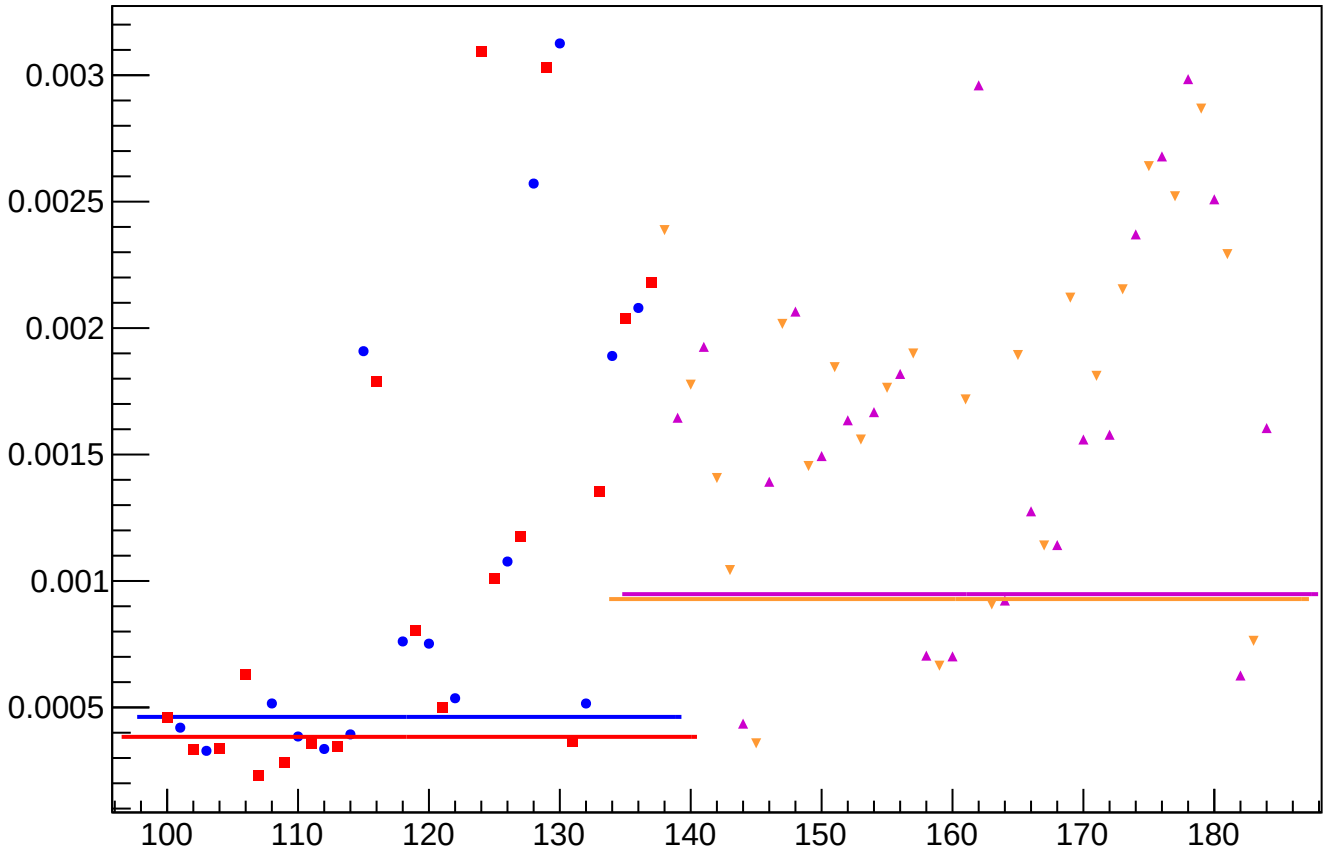
Left: 0.000+/-0.000 χ^2/NDF: 63.9/46

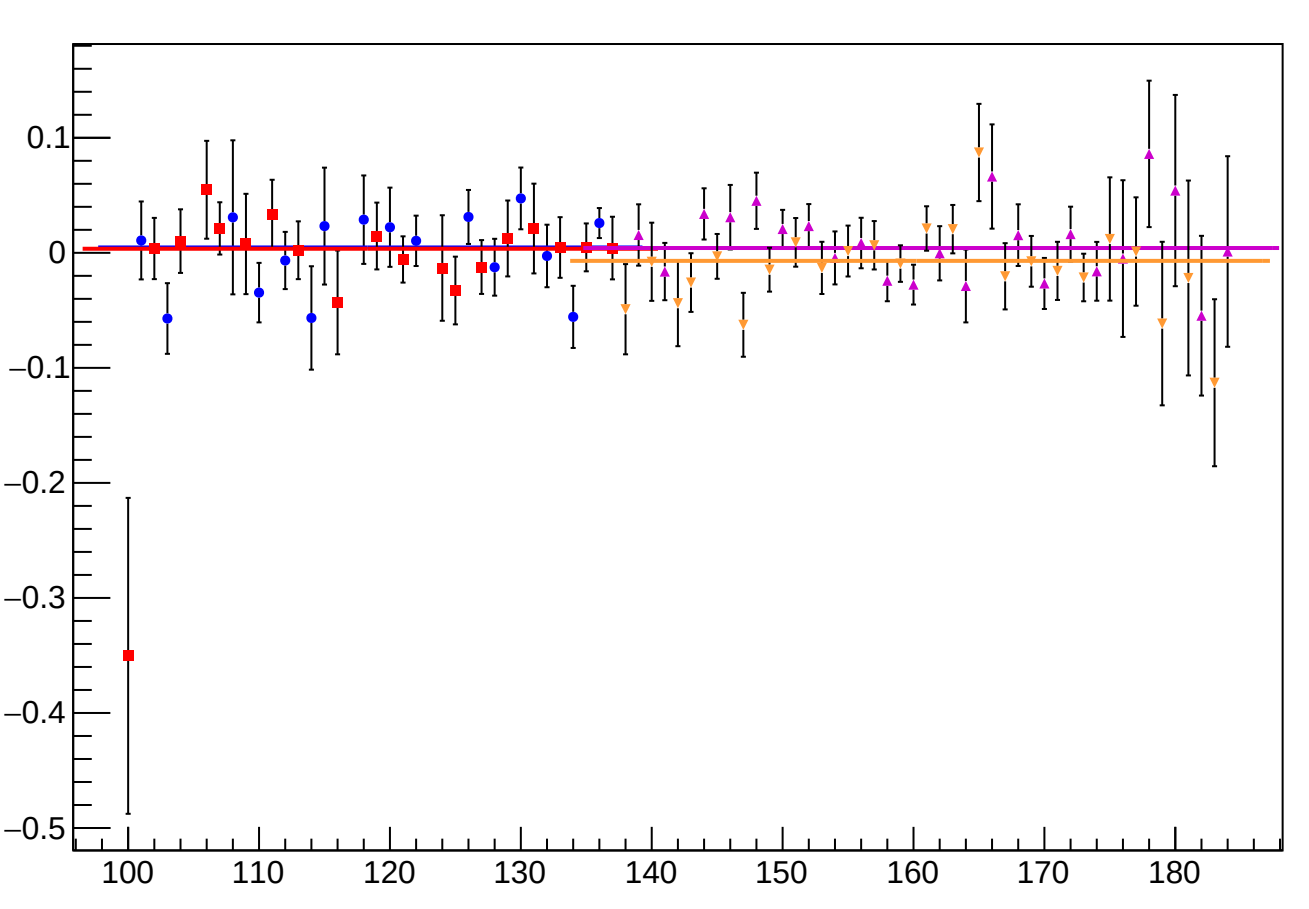
Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:48.1/38

Out: 0.000+/-0.000 χ^2/NDF:53.1/42

All: 0.000+/-0.000 χ^2/NDF: 102.4/81


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:9470540.4/22
Left: 0.001+/-0.000 χ²/NDF: 21365208.3/46
Right: 0.000+/-0.000 χ²/NDF: 8244700.4/34
In: 0.001+/-0.000 χ²/NDF:17680710.8/38
Out: 0.001+/-0.000 χ²/NDF:21967208.1/42
All: 0.001+/-0.000 χ²/NDF: 40073493.5/81



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:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 46.1/46

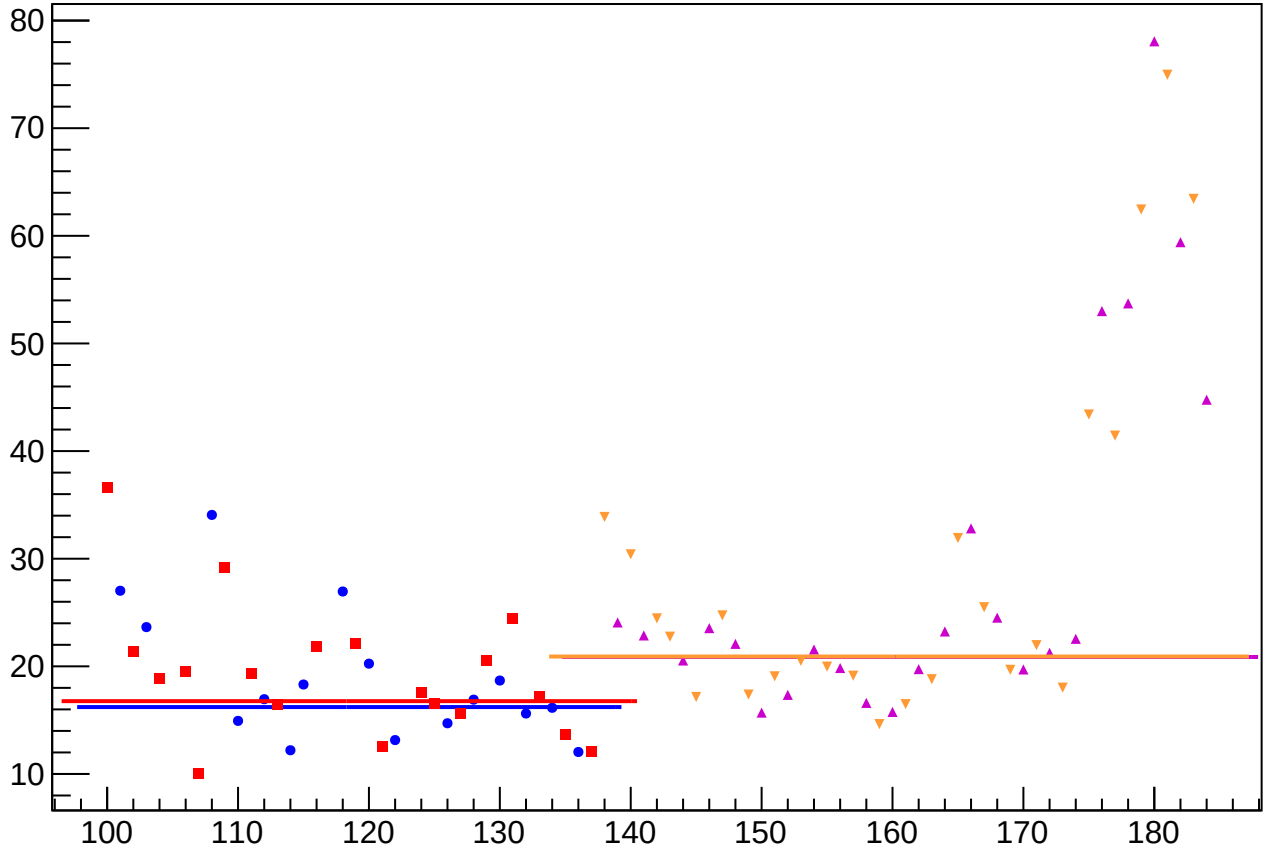
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:44.6/38

Out: -0.003+/-0.004 χ^2/NDF:35.8/42

All: 0.001+/-0.003 χ^2/NDF: 82.1/81

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: 20.868+/-0.004 χ^2/NDF:3534923.5/22

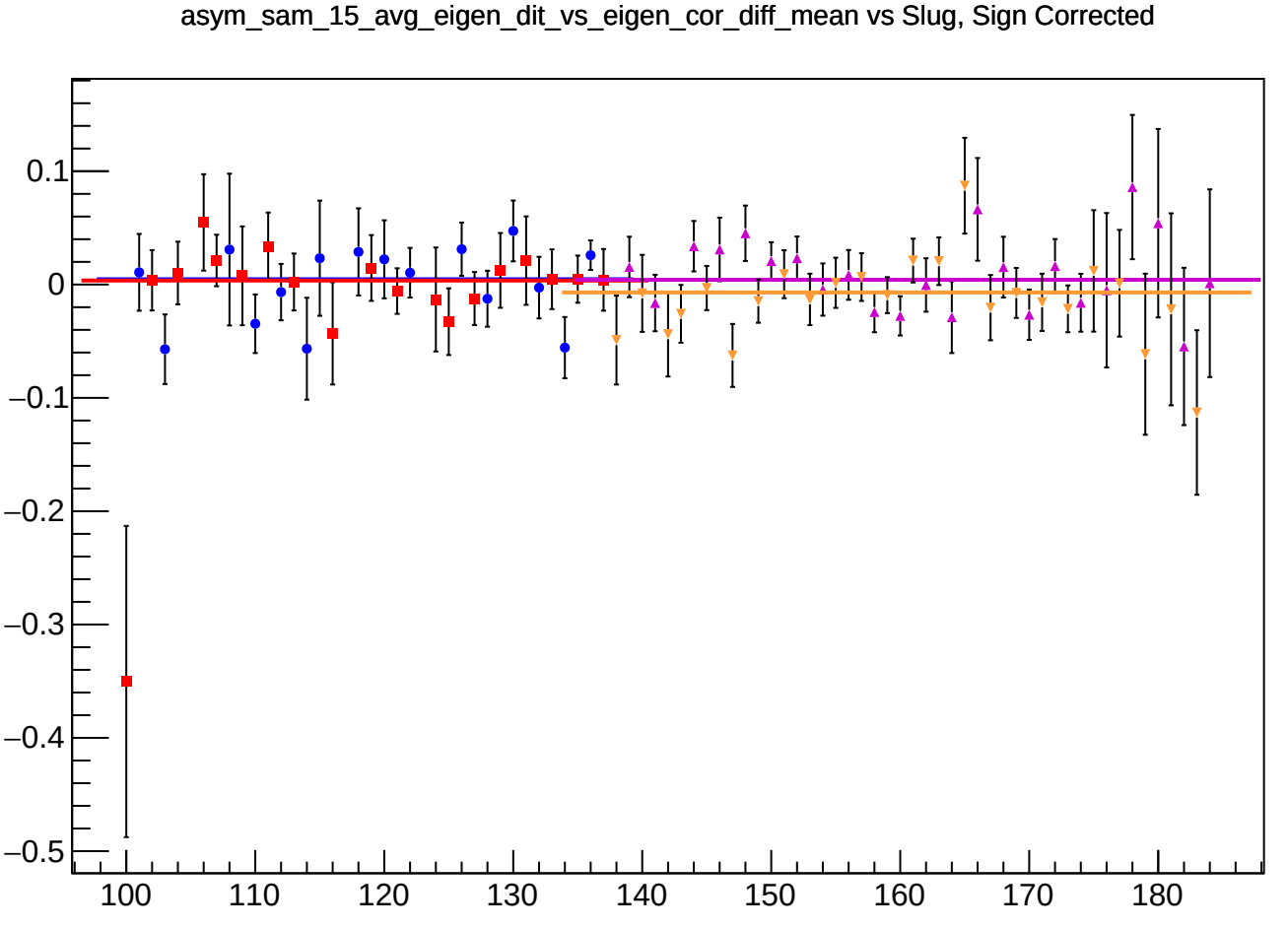
Left: 20.890+/-0.003 χ^2/NDF: 7741150.8/46

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 19.036+/-0.003 χ^2/NDF:5087421.2/38

Out: 19.329+/-0.003 χ^2/NDF:5556911.1/42

All: 19.184+/-0.002 χ^2/NDF: 10649417.4/81



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:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 46.1/46

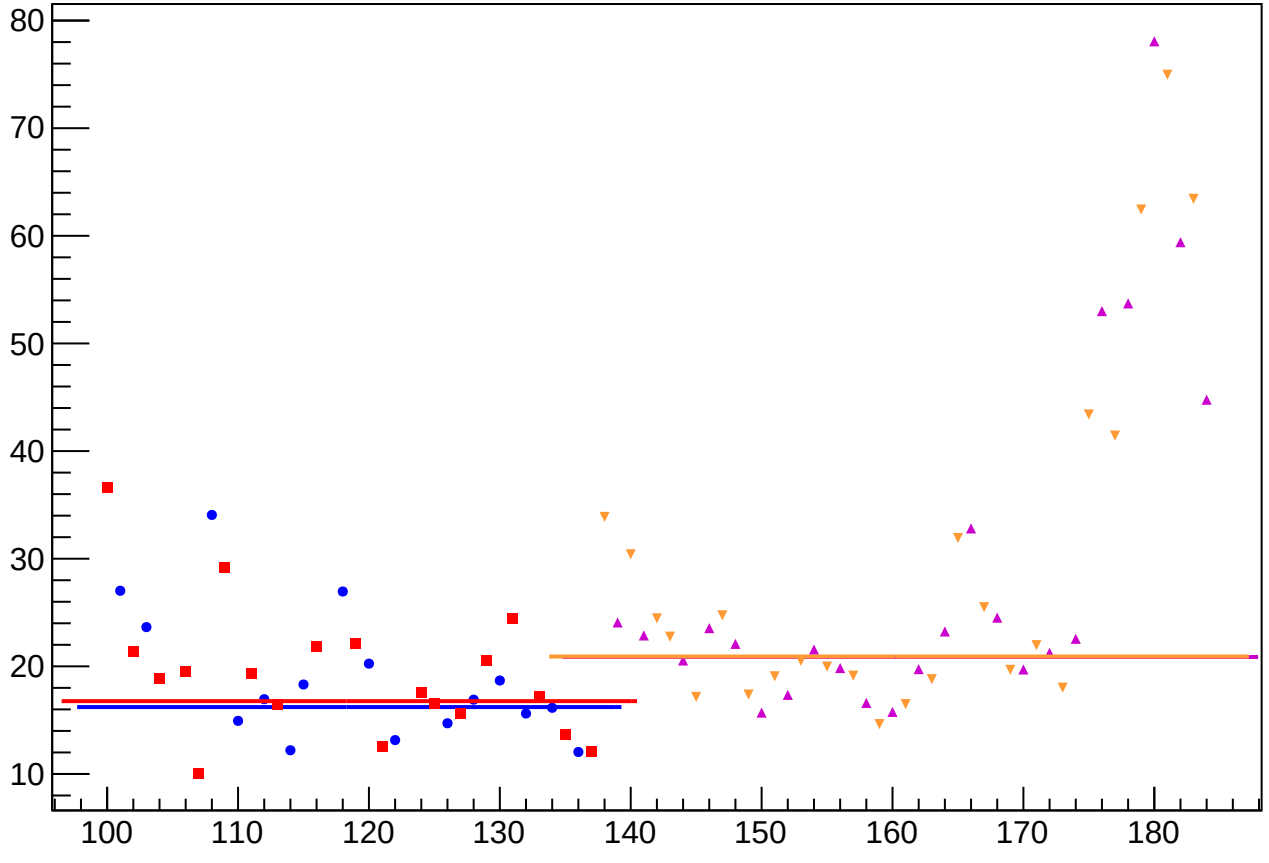
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:44.6/38

Out: -0.003+/-0.004 χ^2/NDF:35.8/42

All: 0.001+/-0.003 χ^2/NDF: 82.1/81

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: 20.868+/-0.004 χ^2/NDF:3534923.5/22

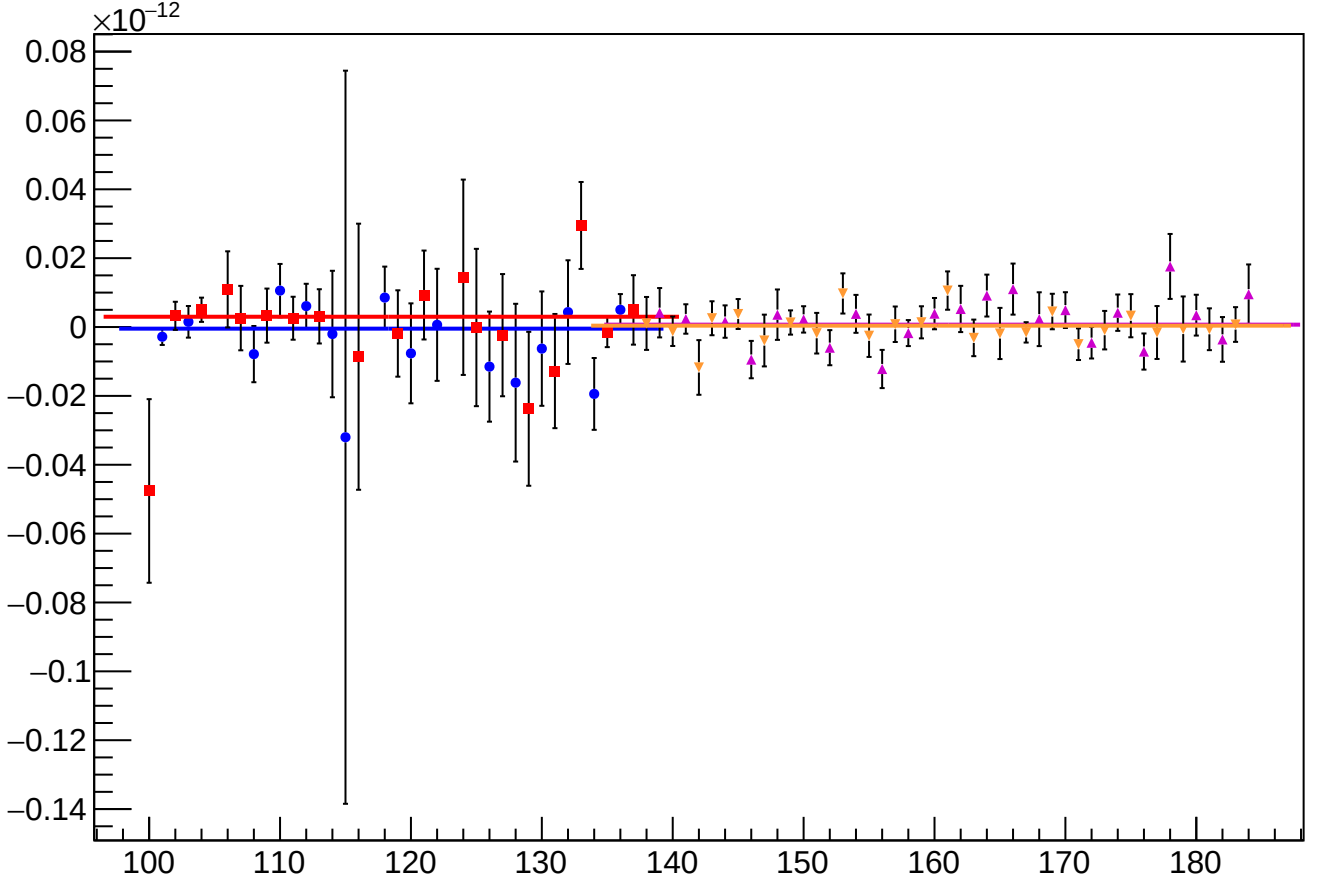
Left: 20.890+/-0.003 χ^2/NDF: 7741150.8/46

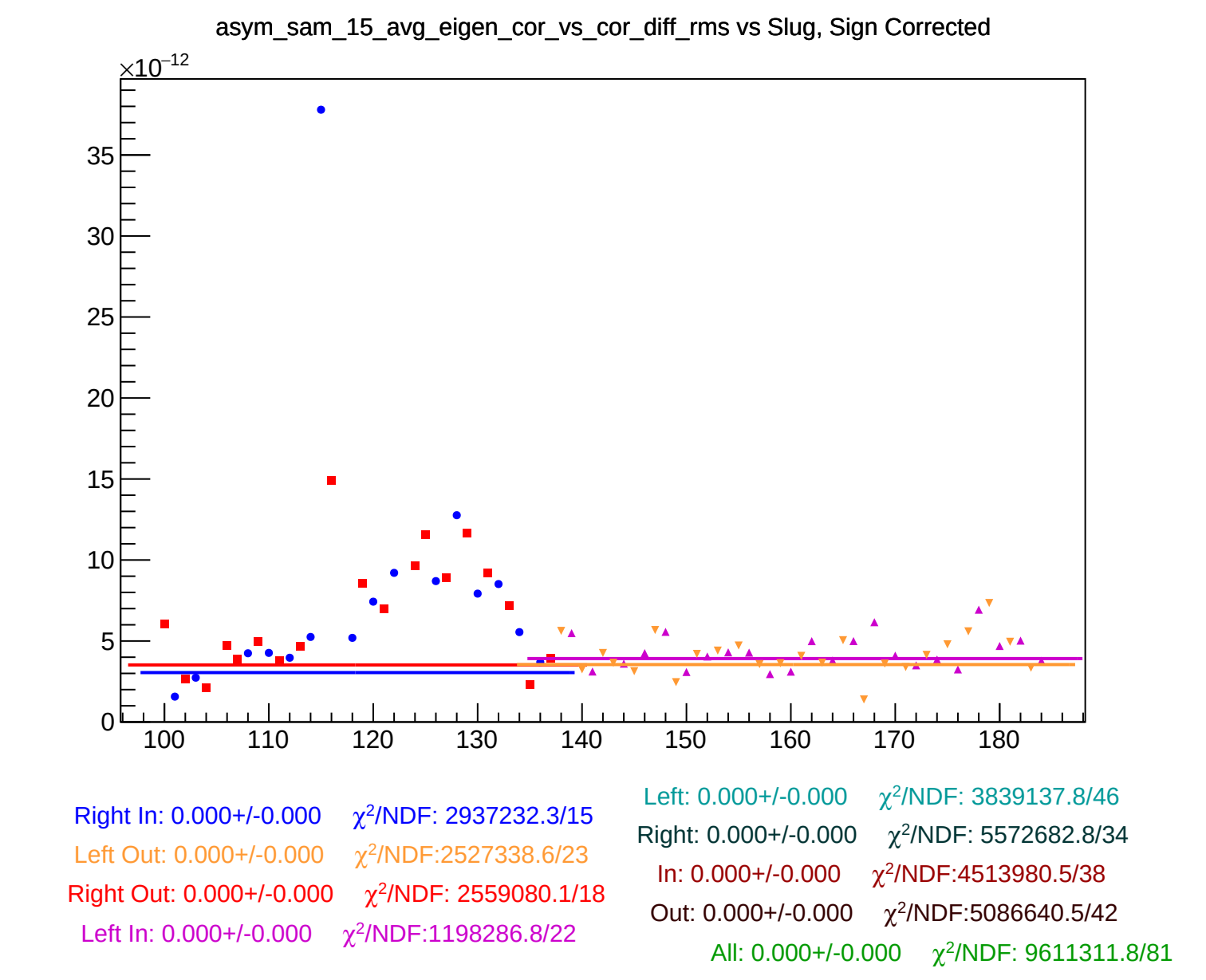
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

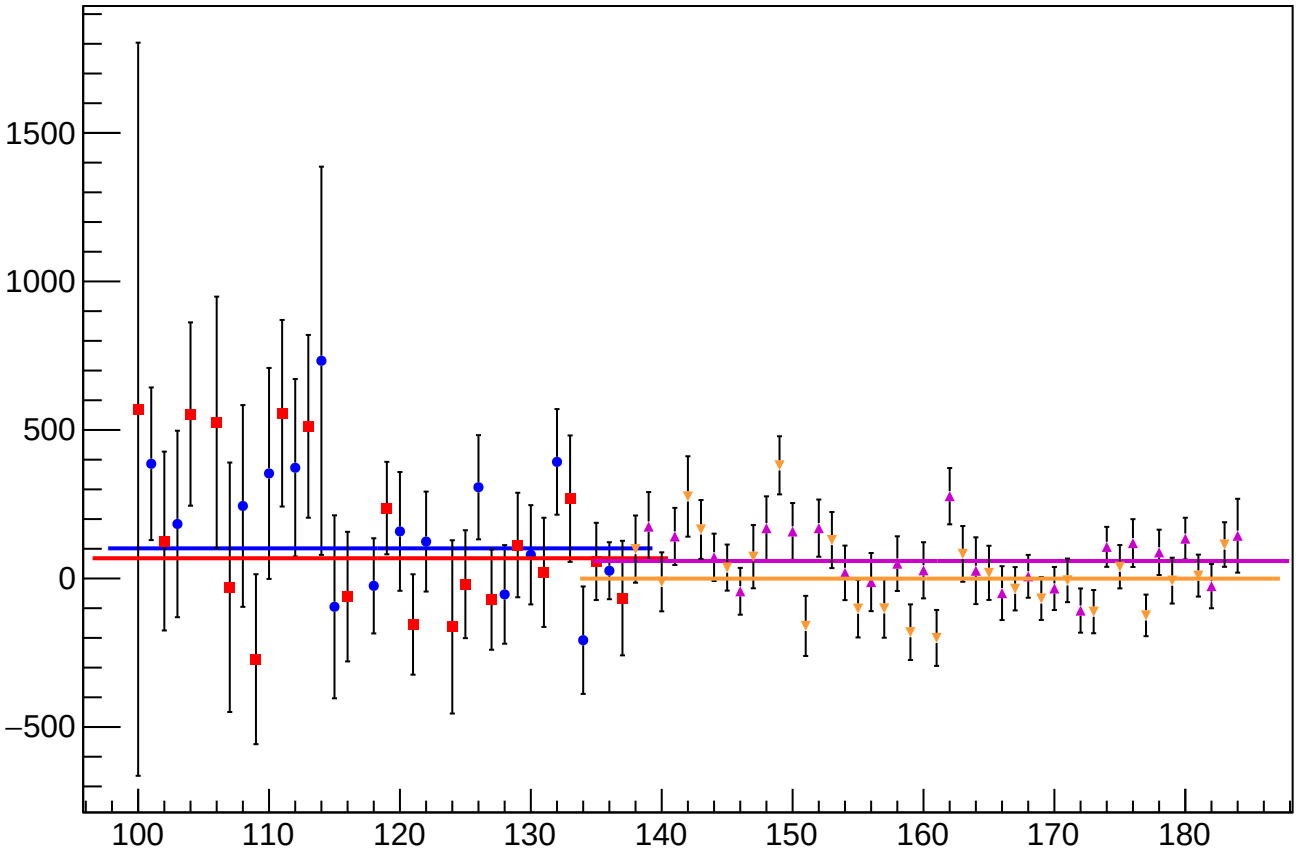
In: 19.036+/-0.003 χ^2/NDF:5087421.2/38

Out: 19.329+/-0.003 χ^2/NDF:5556911.1/42

All: 19.184+/-0.002 χ^2/NDF: 10649417.4/81


asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.000 χ²/NDF:13.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 13.0/18
Left In: 0.000+/-0.000 χ²/NDF:26.5/22
Left: 0.000+/-0.000 χ²/NDF: 39.9/46
Right: 0.000+/-0.000 χ²/NDF: 27.4/34
In: 0.000+/-0.000 χ²/NDF:39.1/38
Out: 0.000+/-0.000 χ²/NDF:27.9/42
All: 0.000+/-0.000 χ²/NDF: 67.4/81


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2527338.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:1198286.8/22
Left: 0.000+/-0.000 χ²/NDF: 3839137.8/46
Right: 0.000+/-0.000 χ²/NDF: 5572682.8/34
In: 0.000+/-0.000 χ²/NDF:4513980.5/38
Out: 0.000+/-0.000 χ²/NDF:5086640.5/42
All: 0.000+/-0.000 χ²/NDF: 9611311.8/81



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: 58.907+/-17.879 χ^2/NDF:25.8/22

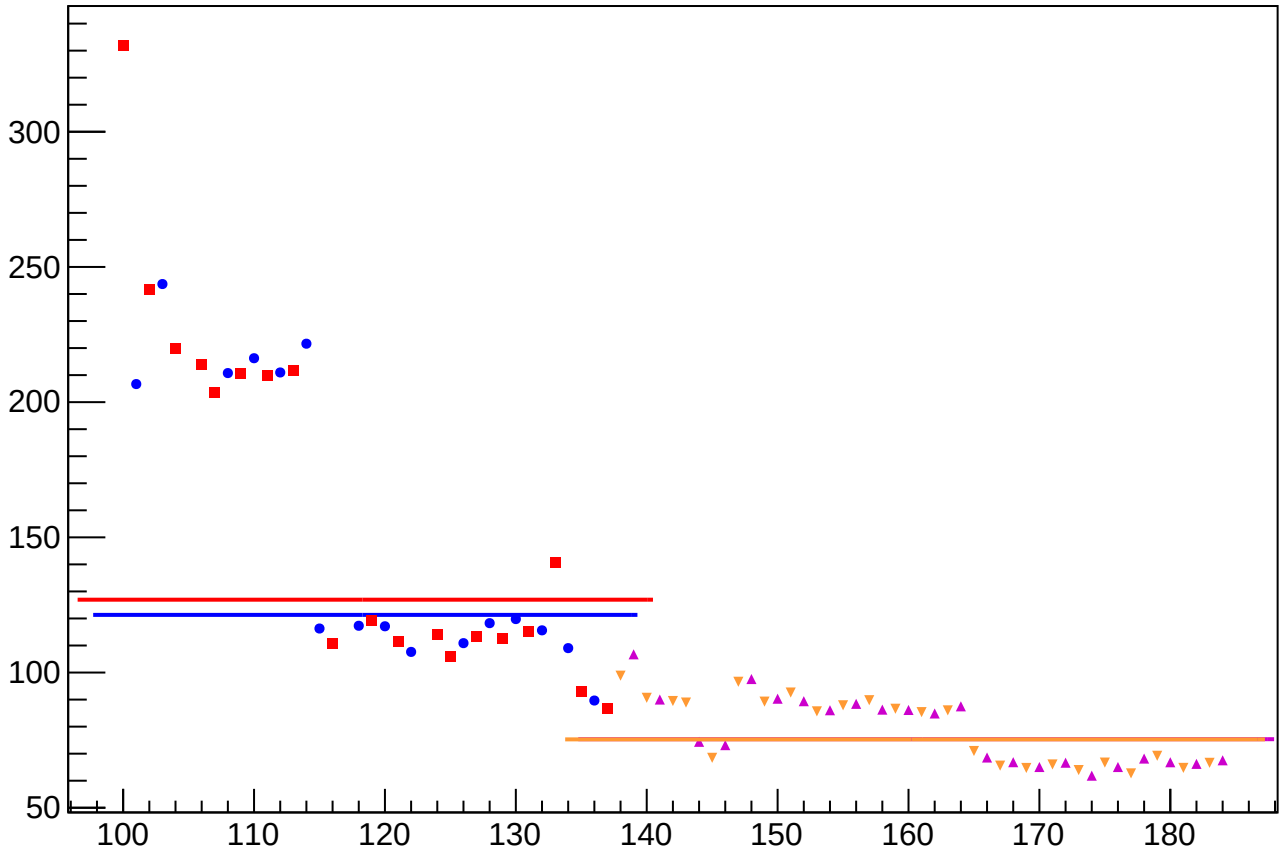
Left: 28.593+/-12.503 χ^2/NDF: 79.9/46

Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 64.162+/-16.739 χ^2/NDF:39.9/38

Out: 7.232+/-16.486 χ^2/NDF:66.3/42

All: 35.265+/-11.746 χ^2/NDF: 112.0/81



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: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.318+/-0.009 χ^2/NDF: 1745933.6/46

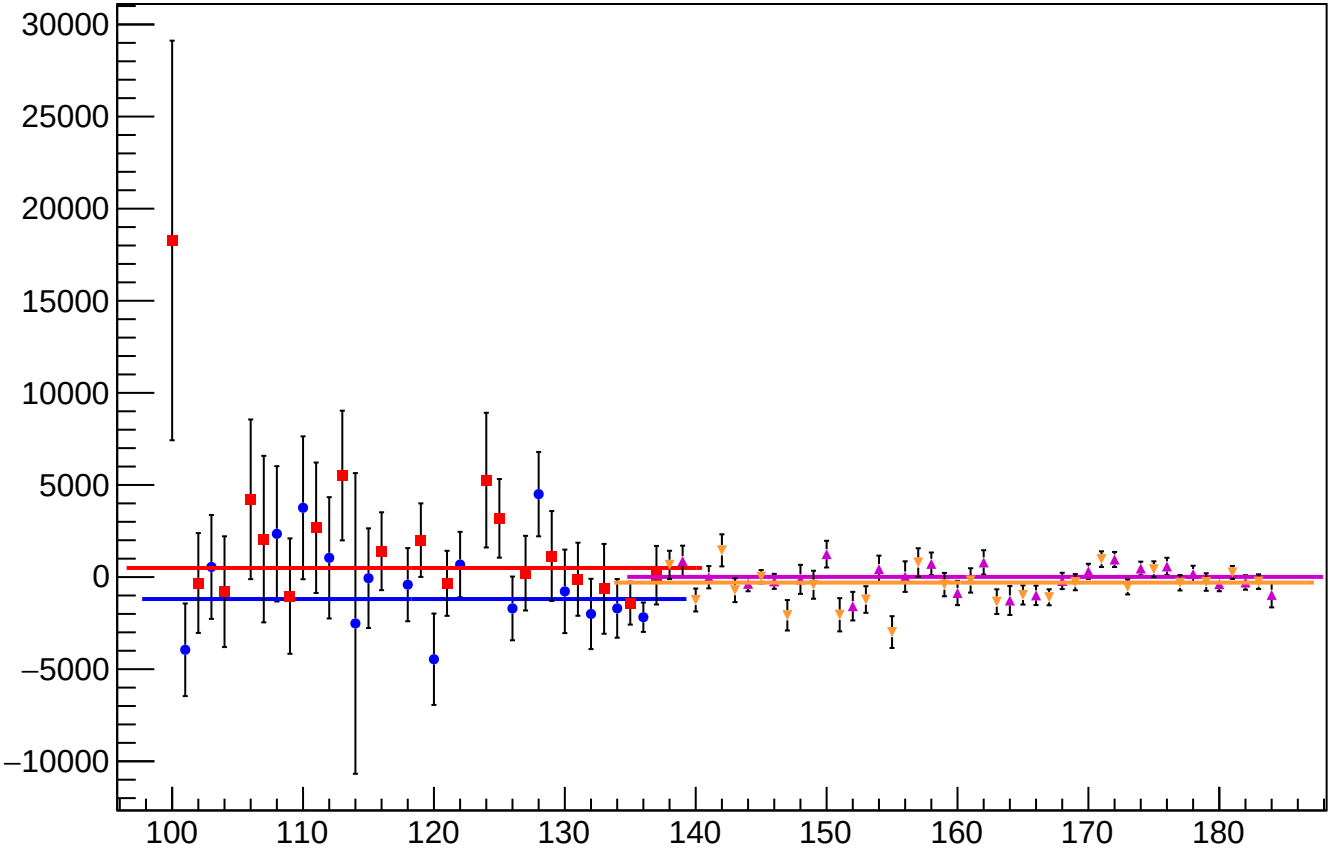
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 81.030+/-0.012 χ^2/NDF:3757418.1/38

Out: 81.056+/-0.012 χ^2/NDF:4328406.8/42

All: 81.043+/-0.008 χ^2/NDF: 8085827.4/81

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -300.847+/-106.865 χ^2/NDF:52.8/23

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

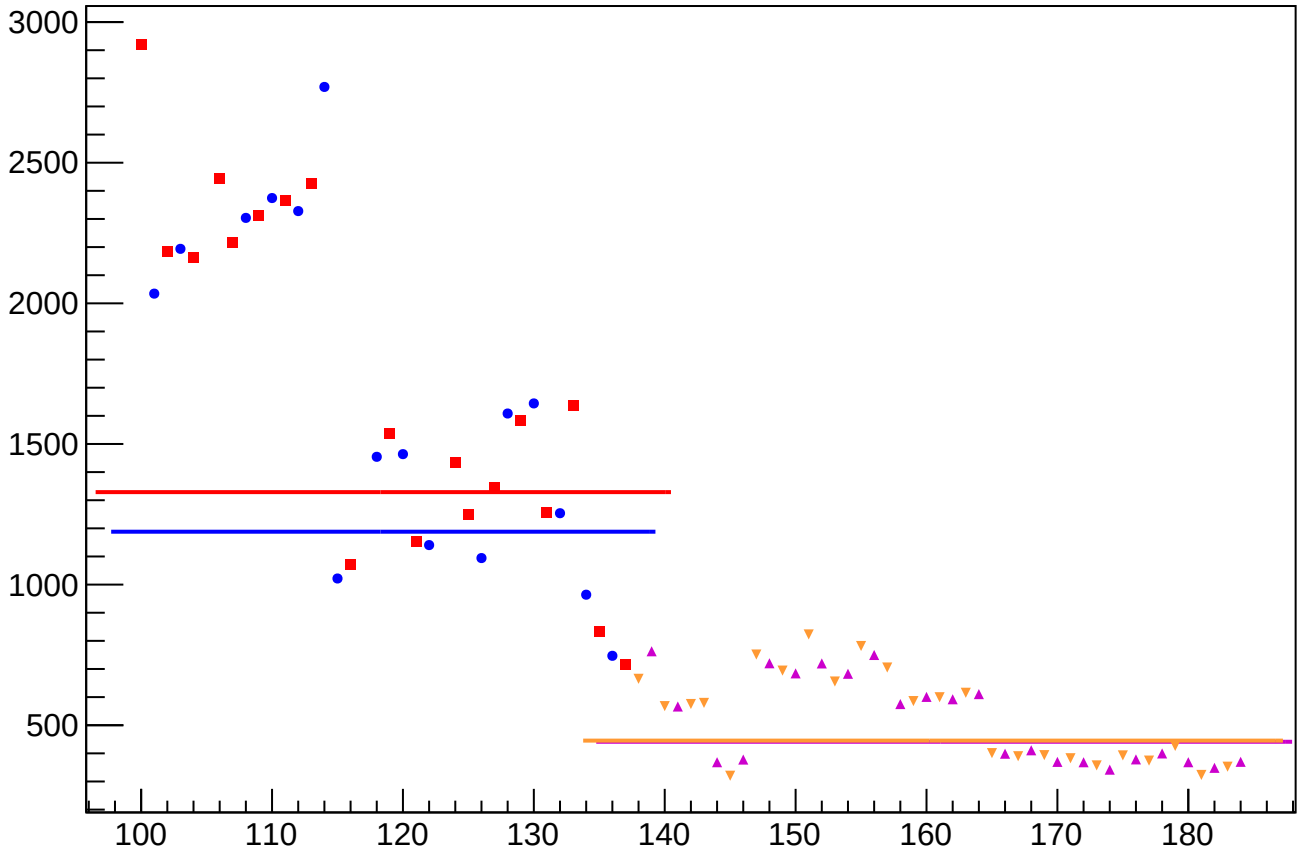
Left: -146.269+/-75.848 χ^2/NDF: 90.4/46

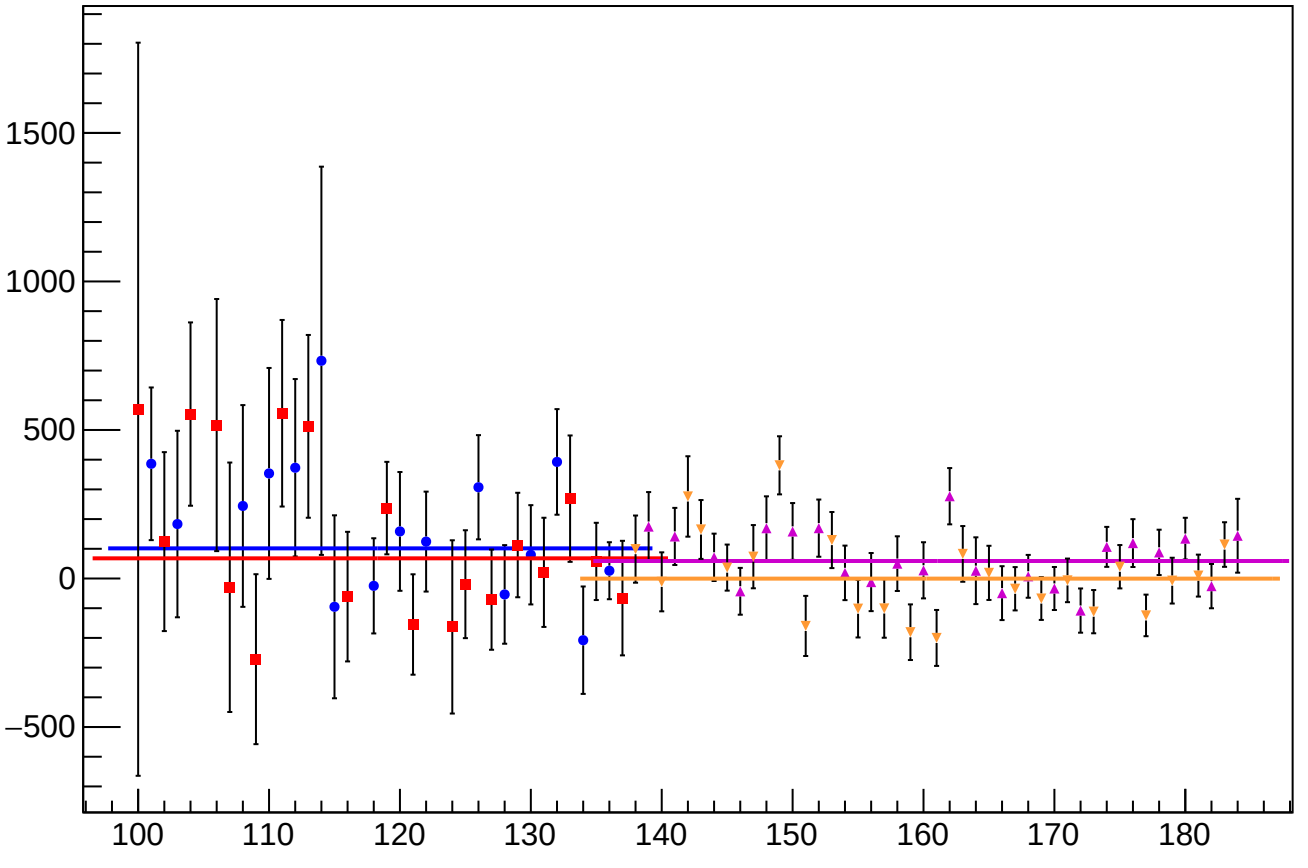
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -47.228+/-105.047 χ^2/NDF:55.3/38

Out: -268.820+/-104.692 χ^2/NDF:68.9/42

All: -158.399+/-74.154 χ^2/NDF: 126.5/81


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: 441.196+/-0.076 χ²/NDF:2682075.8/22
Left: 443.278+/-0.054 χ²/NDF: 5816382.5/46
Right: 1252.427+/-0.249 χ²/NDF: 4081382.8/34
In: 477.131+/-0.074 χ²/NDF:9356969.0/38
Out: 480.900+/-0.074 χ²/NDF:10594210.9/42
All: 479.022+/-0.052 χ²/NDF: 19952471.6/81



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: 58.904+/-17.879 χ^2/NDF:25.8/22

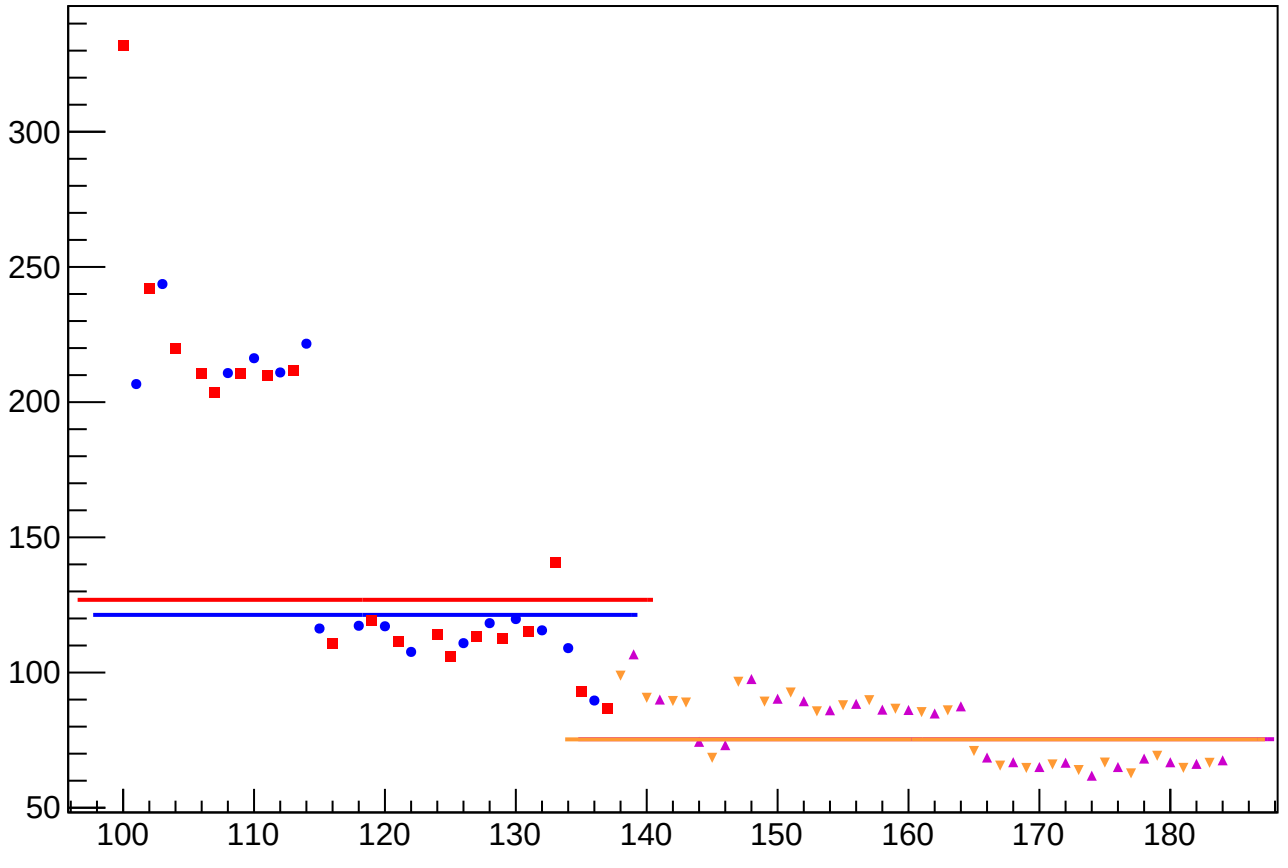
Left: 28.592+/-12.503 χ^2/NDF: 79.9/46

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 64.158+/-16.739 χ^2/NDF:39.9/38

Out: 7.207+/-16.486 χ^2/NDF:66.2/42

All: 35.250+/-11.746 χ^2/NDF: 111.9/81



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: 75.352+/-0.013 χ^2/NDF:837634.2/22

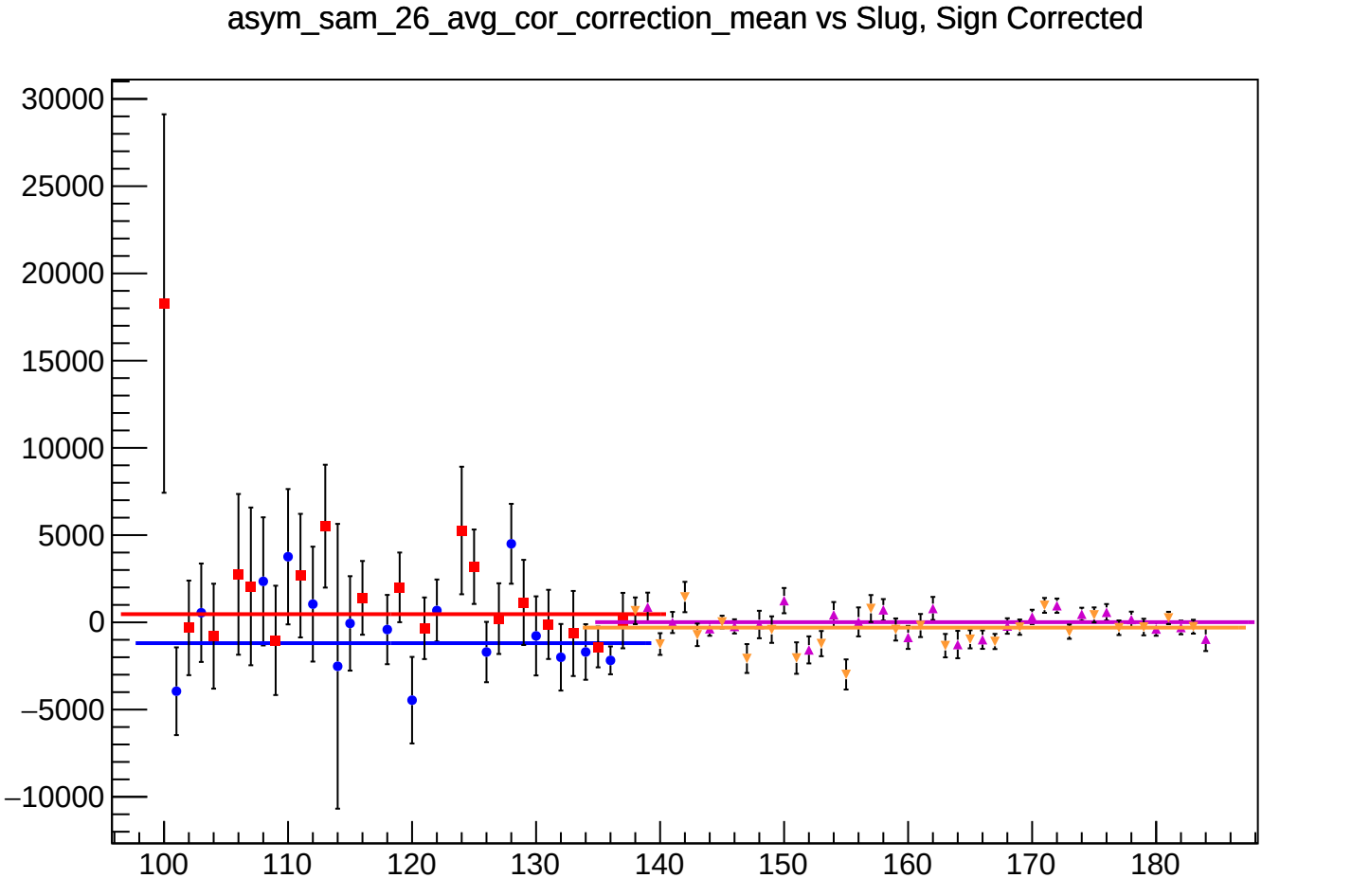
Left: 75.318+/-0.009 χ^2/NDF: 1745933.5/46

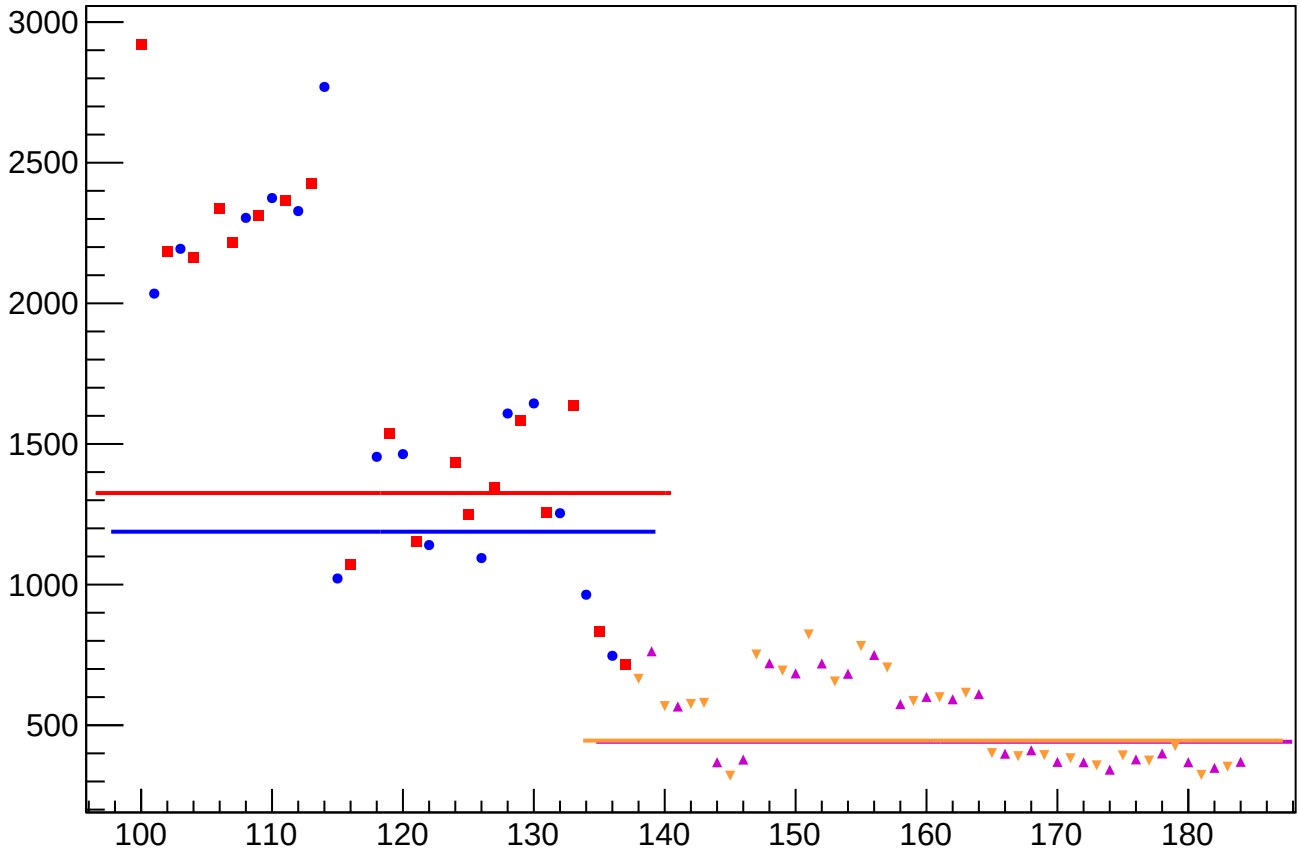
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

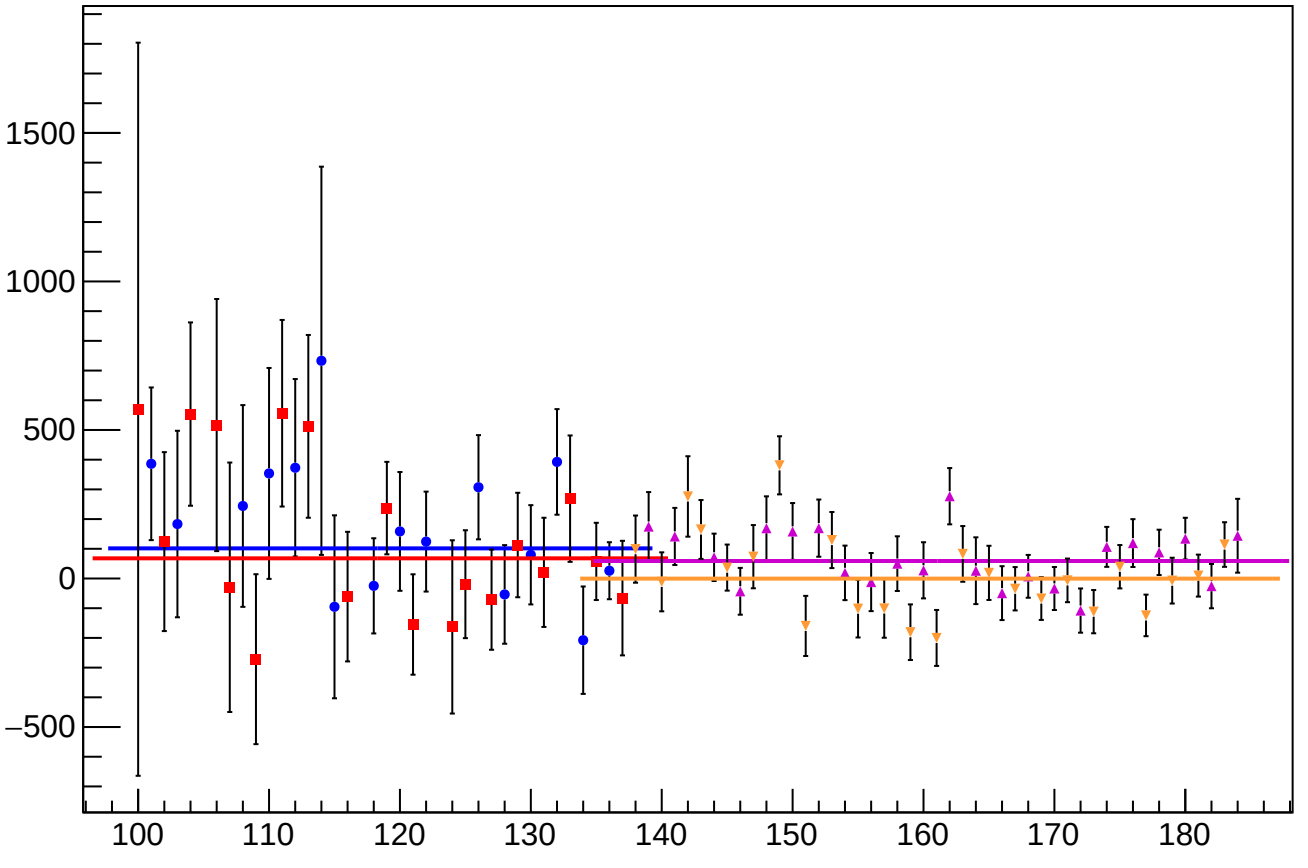
In: 81.030+/-0.012 χ^2/NDF:3757420.0/38

Out: 81.050+/-0.012 χ^2/NDF:4318306.1/42

All: 81.040+/-0.008 χ^2/NDF: 8075727.6/81


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -1192.145+/-478.909 χ²/NDF: 15.9/15
Left Out: -300.846+/-106.865 χ²/NDF:52.8/23
Right Out: 469.736+/-522.203 χ²/NDF: 13.4/18
Left In: 10.644+/-107.670 χ²/NDF:33.4/22
Left: -146.268+/-75.848 χ²/NDF: 90.4/46
Right: -432.941+/-352.955 χ²/NDF: 34.8/34
In: -47.226+/-105.047 χ²/NDF:55.3/38
Out: -269.872+/-104.696 χ²/NDF:68.3/42
All: -158.922+/-74.155 χ²/NDF: 125.9/81


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: 441.196+/-0.076 χ²/NDF:2682073.9/22
Left: 443.278+/-0.054 χ²/NDF: 5816378.8/46
Right: 1250.882+/-0.250 χ²/NDF: 4040963.9/34
In: 477.131+/-0.074 χ²/NDF:9356979.7/38
Out: 480.710+/-0.074 χ²/NDF:10508008.9/42
All: 478.927+/-0.052 χ²/NDF: 19866153.7/81



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: 58.904+/-17.879 χ^2/NDF:25.8/22

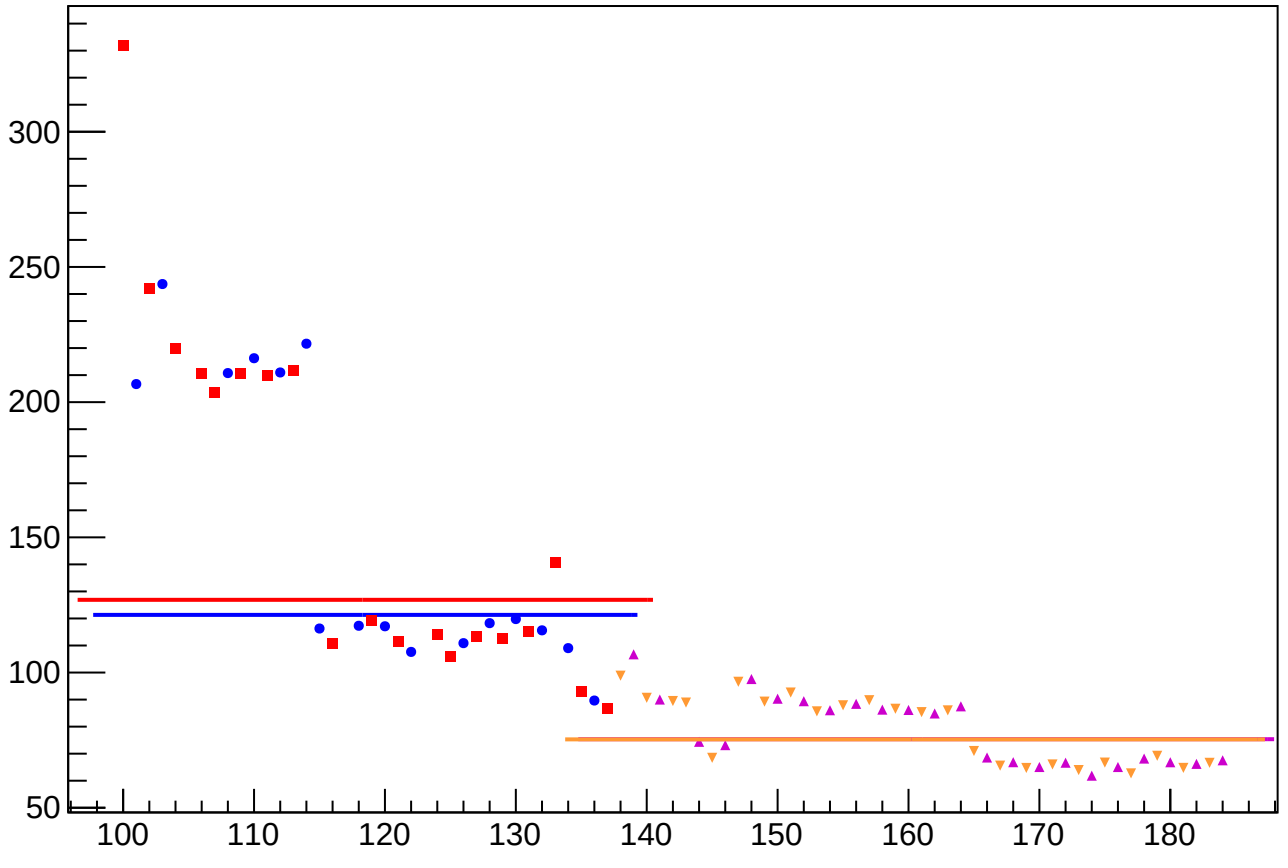
Left: 28.592+/-12.503 χ^2/NDF: 79.9/46

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 64.158+/-16.739 χ^2/NDF:39.9/38

Out: 7.207+/-16.486 χ^2/NDF:66.2/42

All: 35.250+/-11.746 χ^2/NDF: 111.9/81



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: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.318+/-0.009 χ^2/NDF: 1745933.5/46

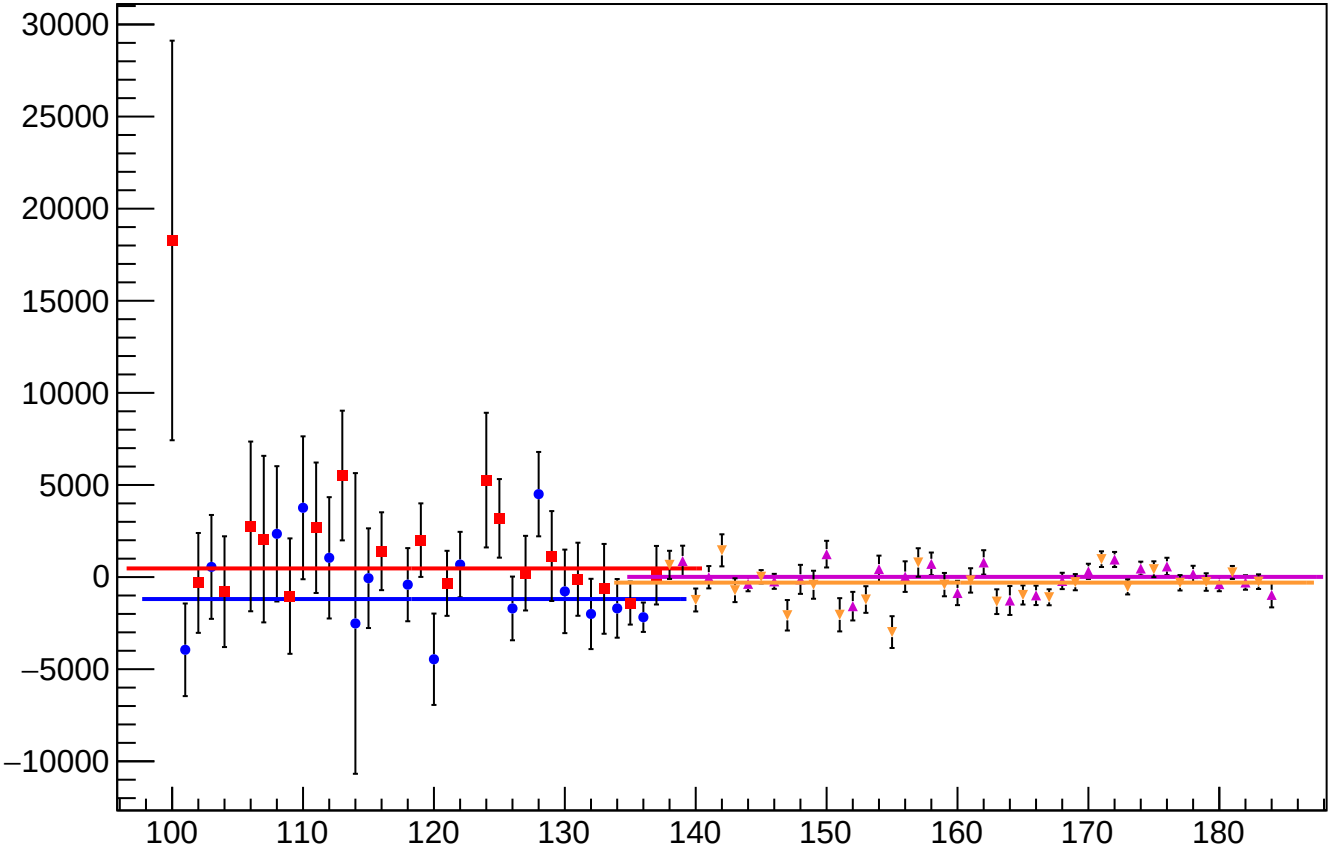
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 81.030+/-0.012 χ^2/NDF:3757420.0/38

Out: 81.050+/-0.012 χ^2/NDF:4318306.1/42

All: 81.040+/-0.008 χ^2/NDF: 8075727.6/81

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: 10.644+/-107.670 χ^2/NDF:33.4/22

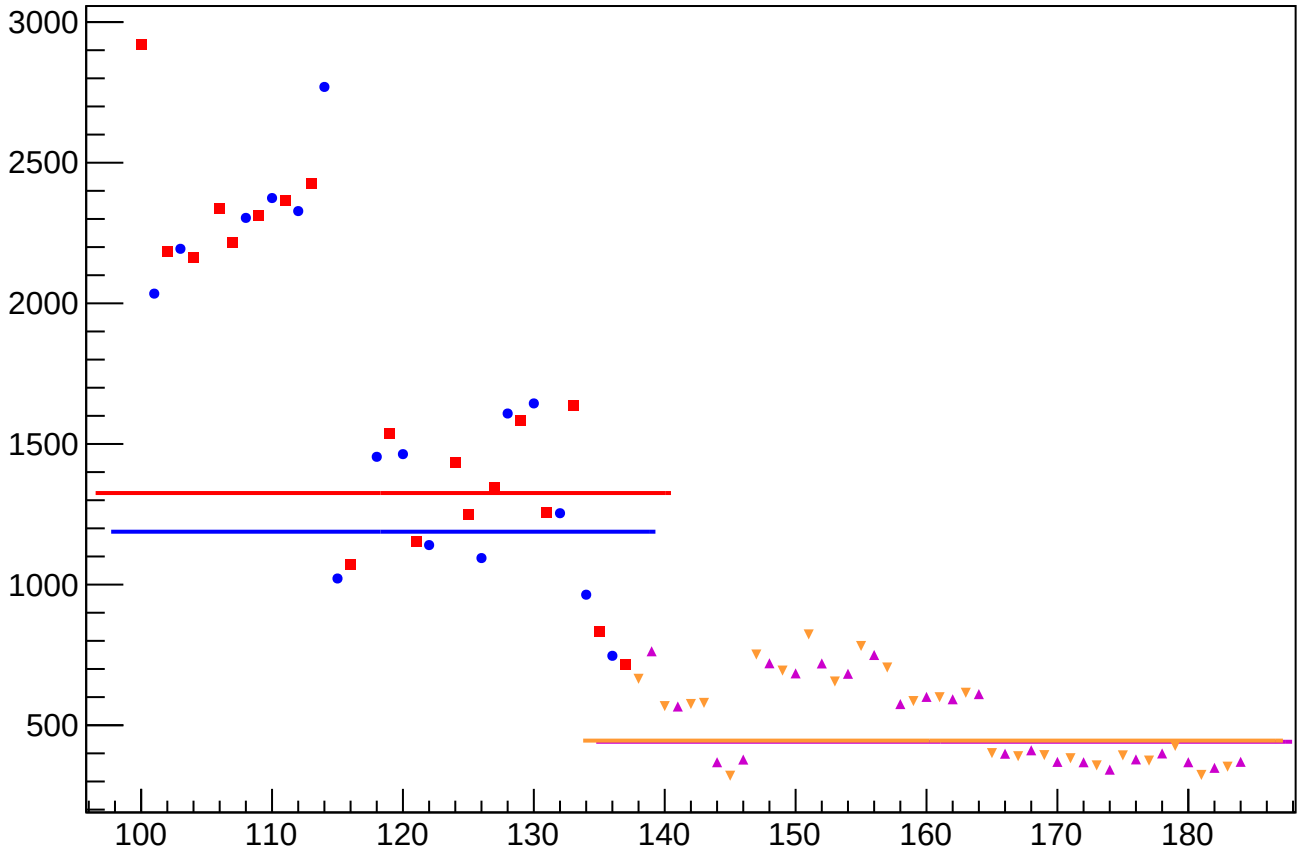
Left: -146.268+/-75.848 χ^2/NDF: 90.4/46

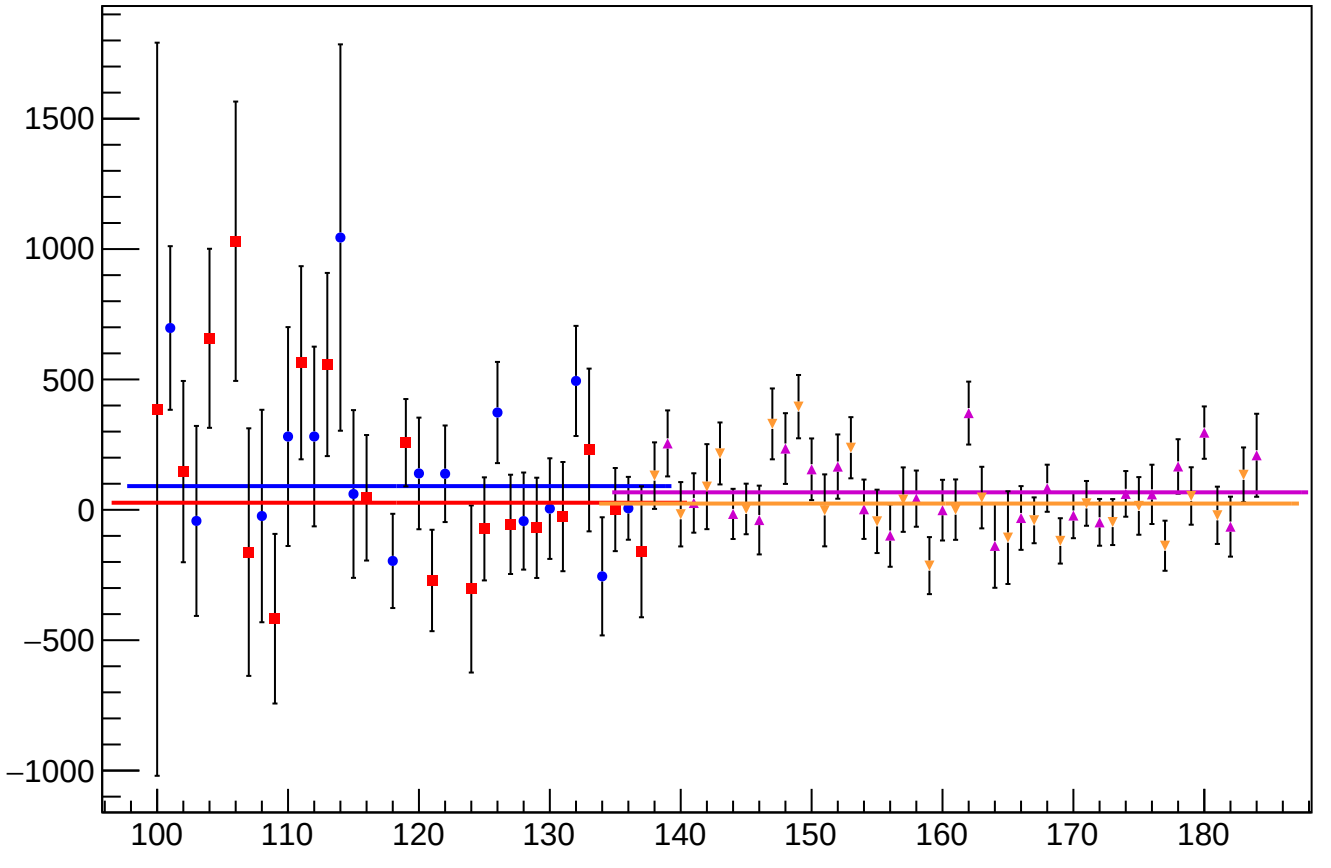
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -47.226+/-105.047 χ^2/NDF:55.3/38

Out: -269.872+/-104.696 χ^2/NDF:68.3/42

All: -158.922+/-74.155 χ^2/NDF: 125.9/81


asym_sam_26_avg_eigen_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: 441.196+/-0.076 χ²/NDF:2682073.9/22
Left: 443.278+/-0.054 χ²/NDF: 5816378.8/46
Right: 1250.882+/-0.250 χ²/NDF: 4040963.9/34
In: 477.131+/-0.074 χ²/NDF:9356979.7/38
Out: 480.710+/-0.074 χ²/NDF:10508008.9/42
All: 478.927+/-0.052 χ²/NDF: 19866153.7/81



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: 67.086+/-23.121 χ^2/NDF:28.6/22

Left: 45.073+/-16.167 χ^2/NDF: 65.6/46

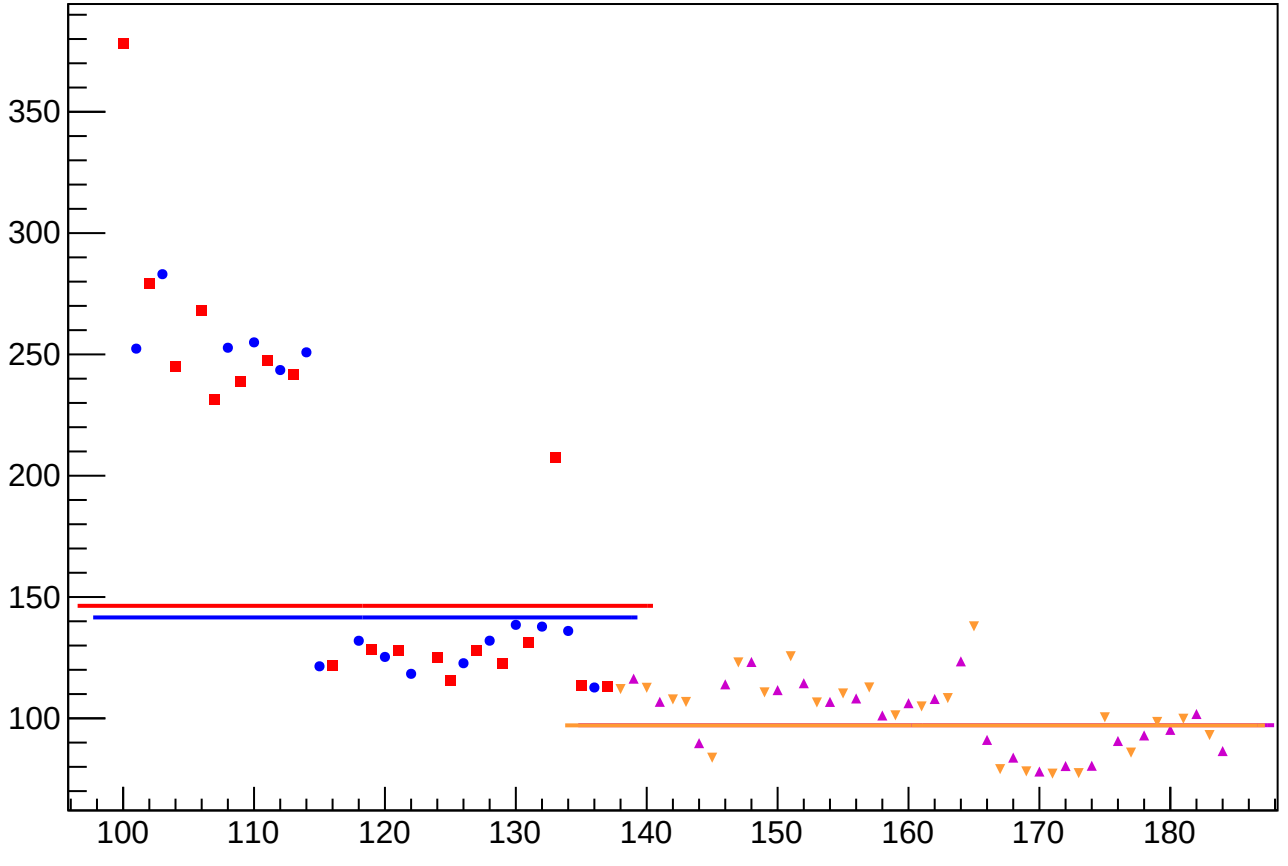
Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 70.602+/-21.347 χ^2/NDF:46.9/38

Out: 24.444+/-21.021 χ^2/NDF:55.7/42

All: 47.168+/-14.978 χ^2/NDF: 105.0/81

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: 97.167+/-0.016 χ^2/NDF:674595.2/22

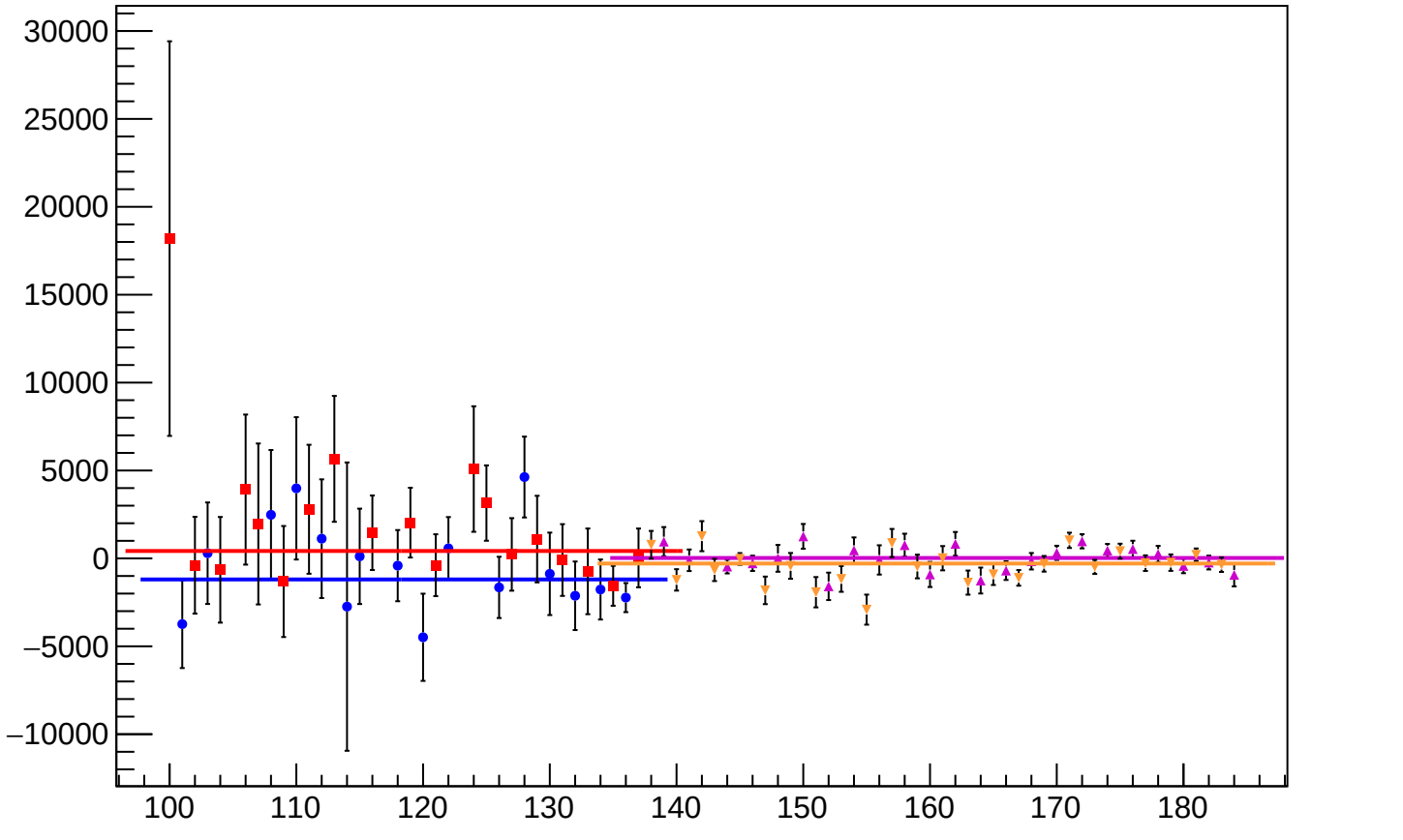
Left: 97.134+/-0.011 χ^2/NDF: 1600189.8/46

Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 103.723+/-0.015 χ^2/NDF:3026433.2/38

Out: 103.798+/-0.015 χ^2/NDF:3729597.4/42

All: 103.761+/-0.011 χ^2/NDF: 6756043.2/81



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: 24.625+/-108.884 χ^2/NDF:32.9/22

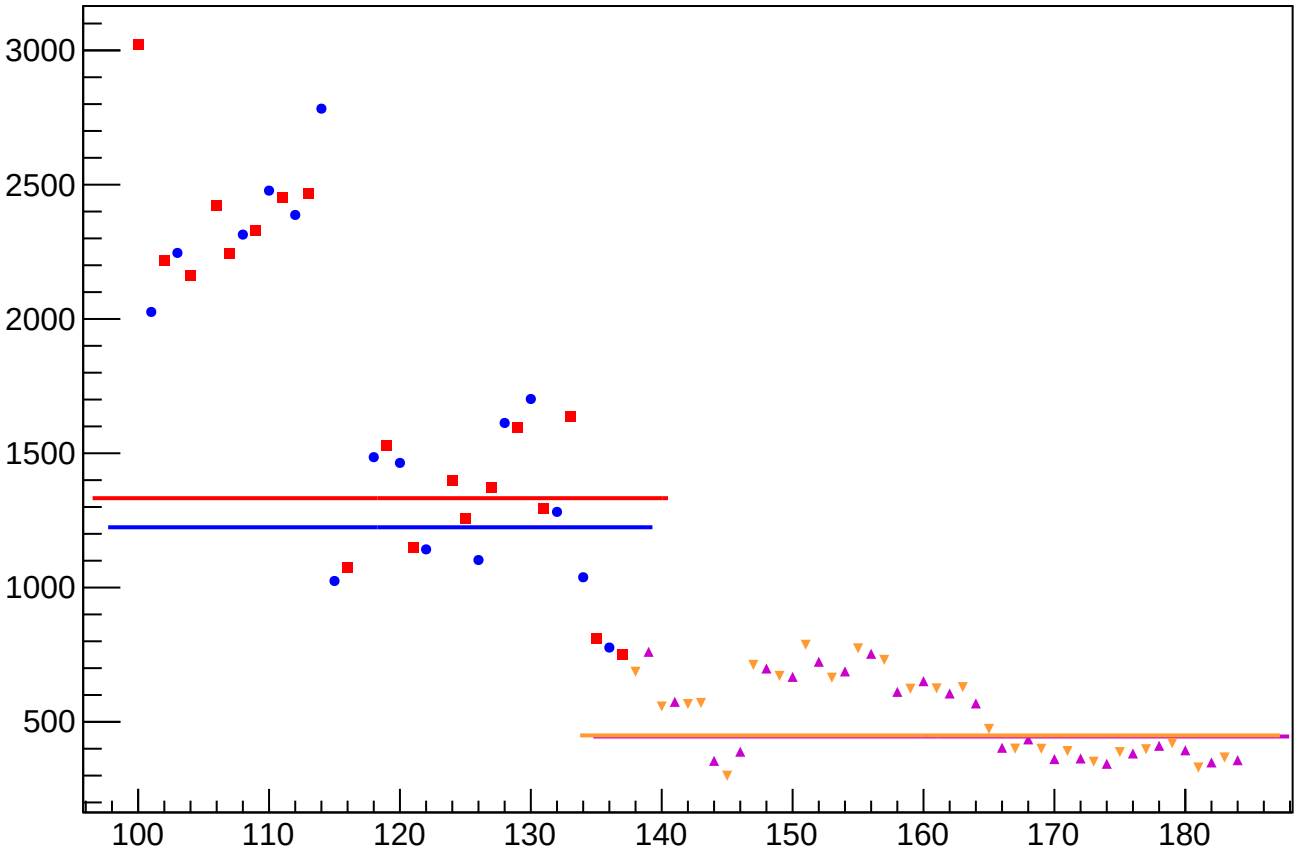
Left: -135.039+/-76.551 χ^2/NDF: 87.3/46

Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: -32.533+/-106.305 χ^2/NDF:54.8/38

Out: -262.197+/-105.443 χ^2/NDF:66.2/42

All: -148.300+/-74.862 χ^2/NDF: 123.3/81



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 449.554+/-0.076 χ^2/NDF:3162704.9/23

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

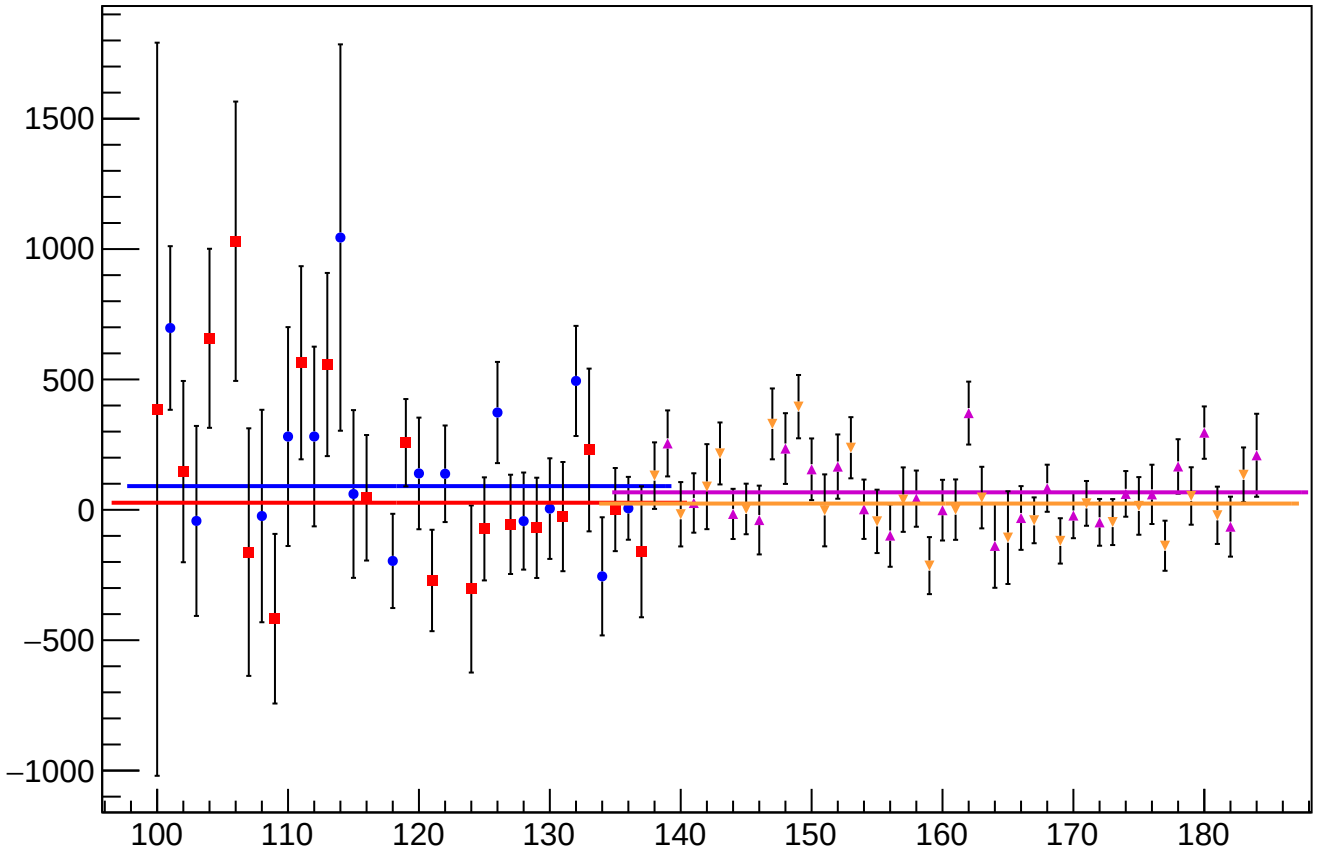
Left: 447.546+/-0.054 χ^2/NDF: 5877408.0/46

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 481.949+/-0.075 χ^2/NDF:9463616.0/38

Out: 485.340+/-0.075 χ^2/NDF:10612935.6/42

All: 483.659+/-0.053 χ^2/NDF: 20077577.7/81



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: 67.085+/-23.121 χ^2/NDF:28.6/22

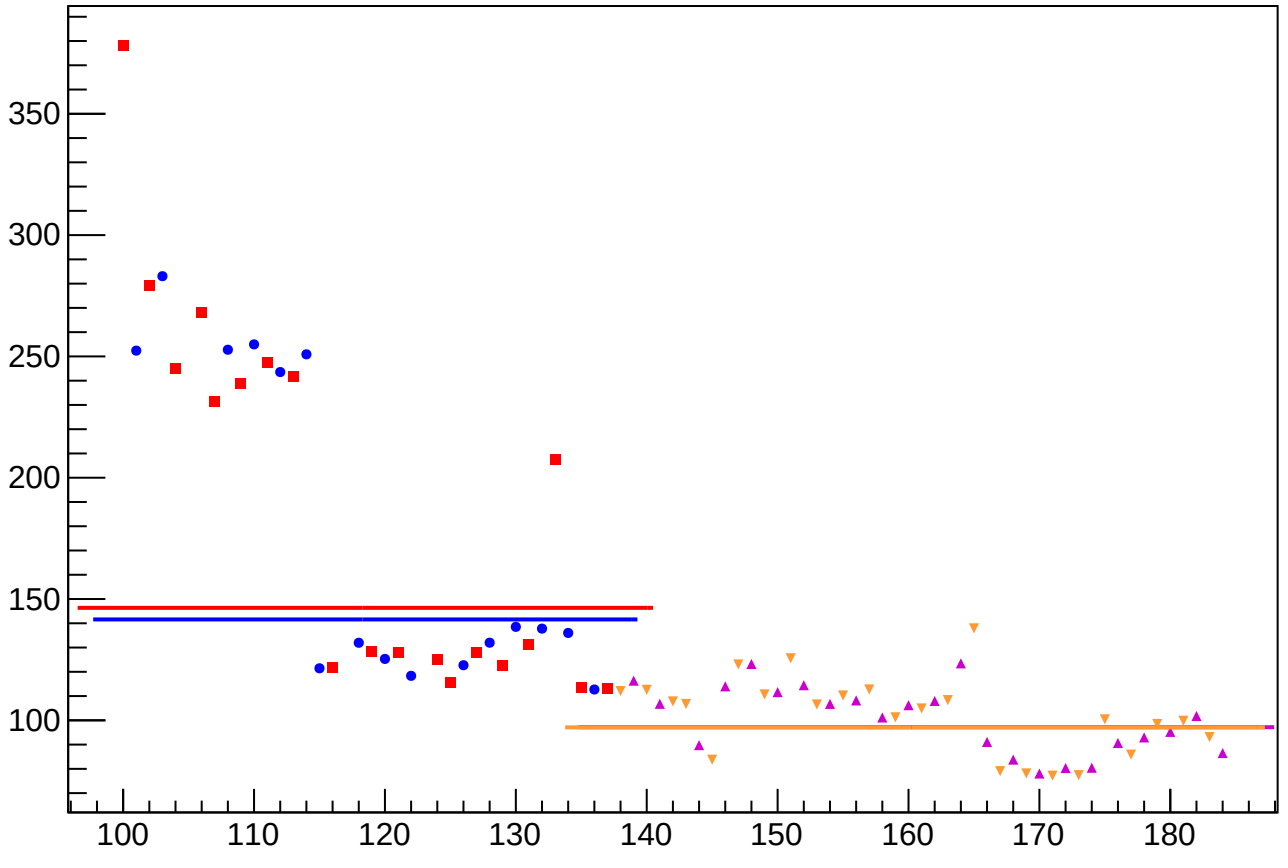
Left: 45.072+/-16.167 χ^2/NDF: 65.6/46

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 70.602+/-21.347 χ^2/NDF:46.9/38

Out: 24.443+/-21.021 χ^2/NDF:55.7/42

All: 47.167+/-14.978 χ^2/NDF: 105.0/81



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: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.134+/-0.011 χ^2/NDF: 1600181.6/46

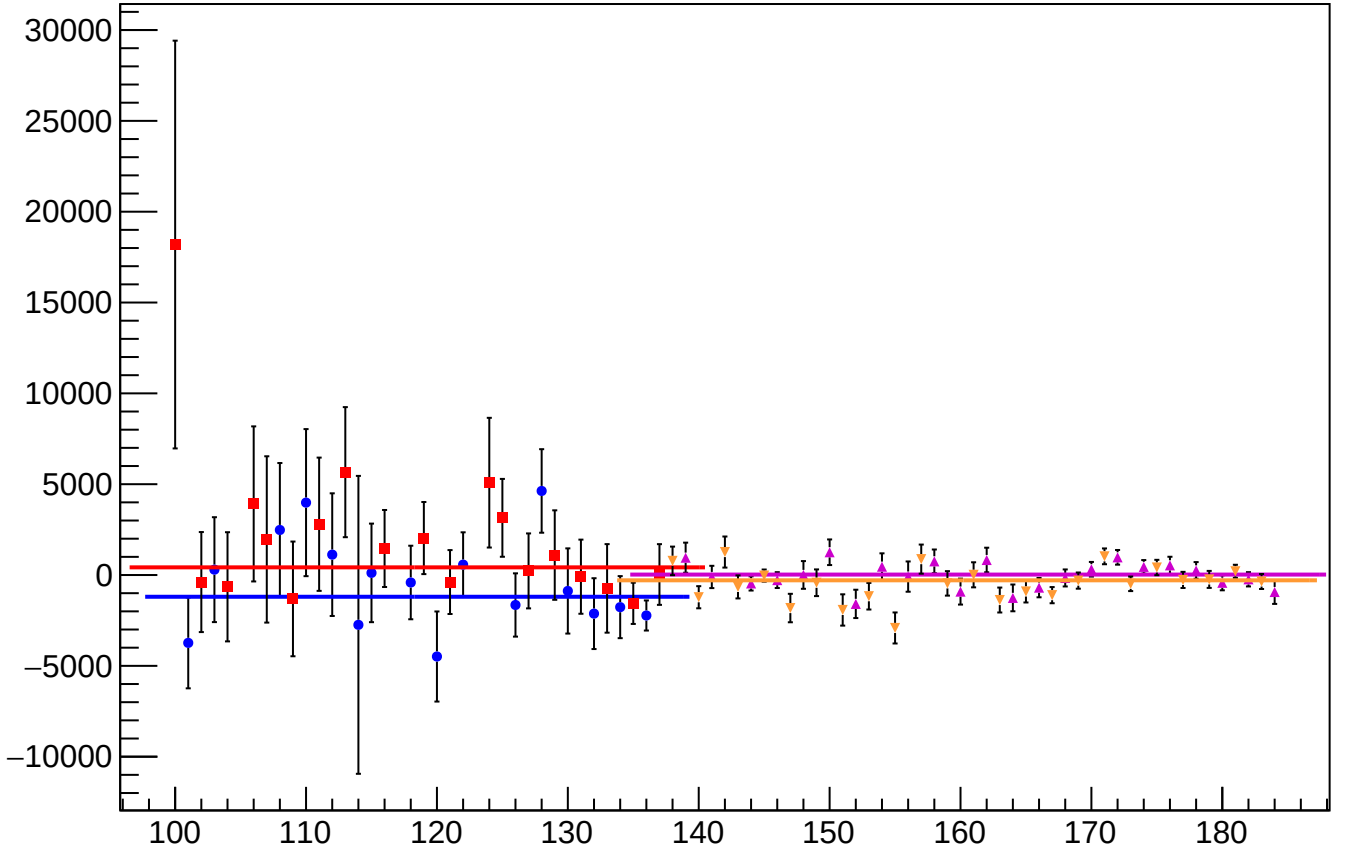
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 103.724+/-0.015 χ^2/NDF:3026364.8/38

Out: 103.798+/-0.015 χ^2/NDF:3729557.5/42

All: 103.762+/-0.011 χ^2/NDF: 6755934.8/81

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: 24.626+/-108.884 χ^2/NDF:32.9/22

Left: -135.039+/-76.551 χ^2/NDF: 87.3/46

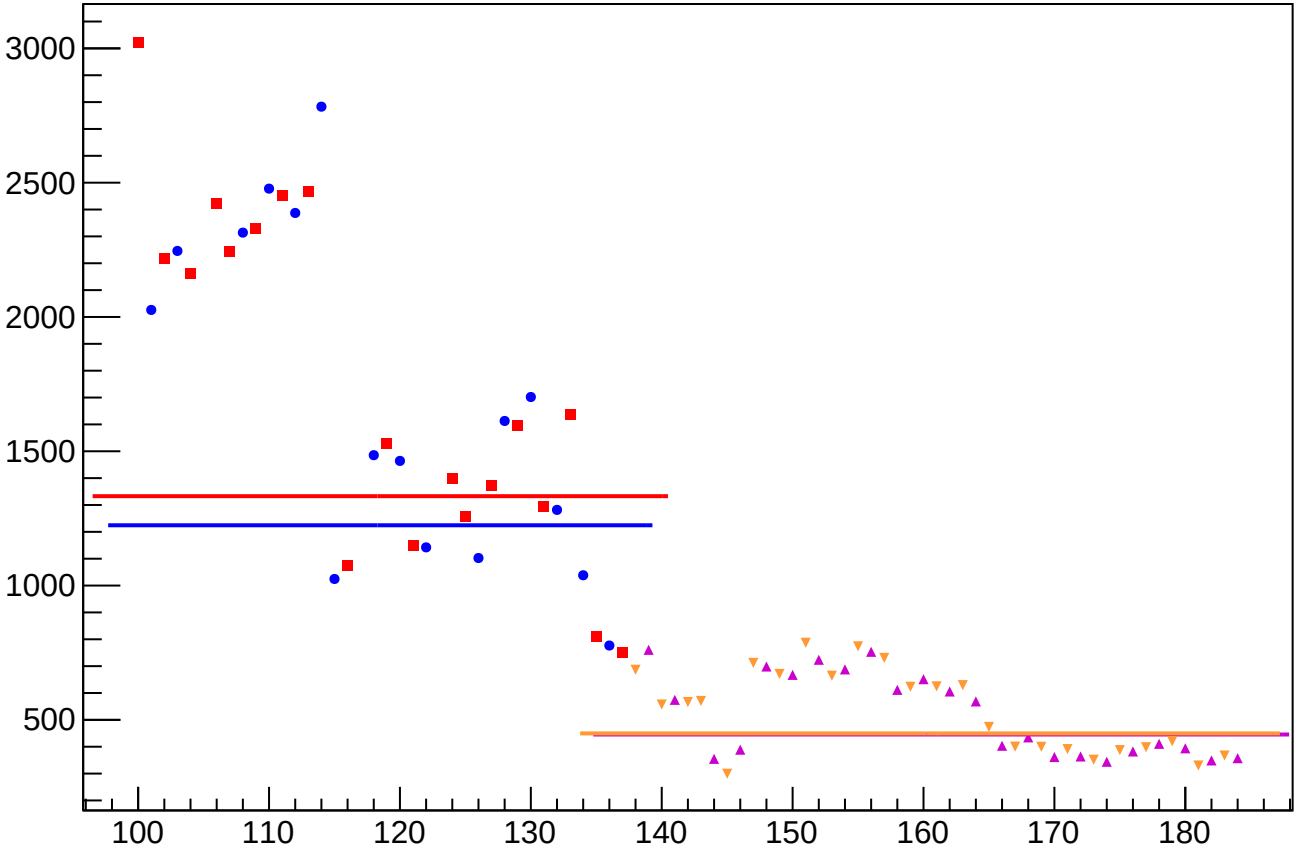
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -32.533+/-106.305 χ^2/NDF:54.8/38

Out: -262.196+/-105.443 χ^2/NDF:66.2/42

All: -148.299+/-74.862 χ^2/NDF: 123.3/81

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: 445.491+/-0.077 χ^2/NDF:2713303.9/22

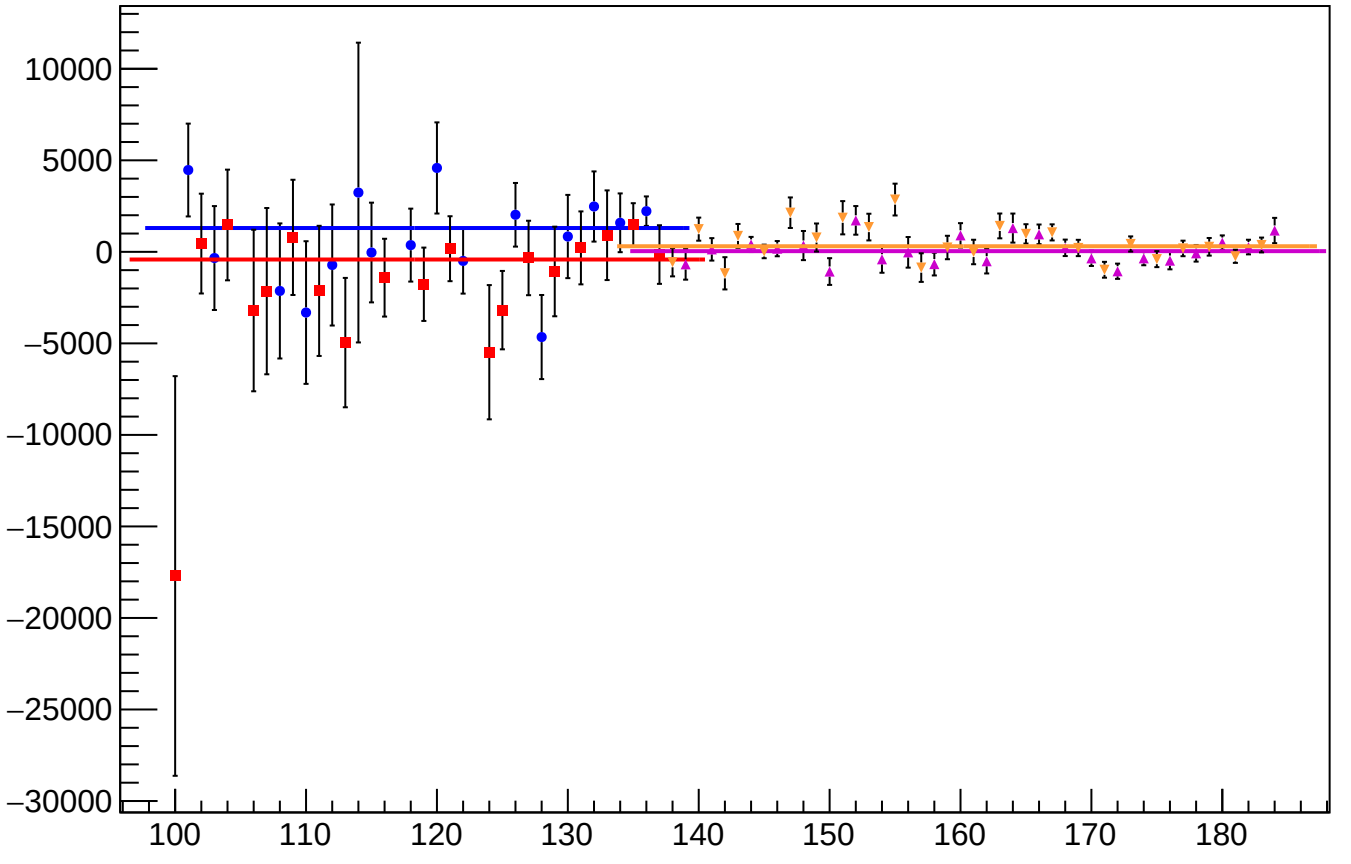
Left: 447.545+/-0.054 χ^2/NDF: 5877441.6/46

Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 481.949+/-0.075 χ^2/NDF:9463612.9/38

Out: 485.340+/-0.075 χ^2/NDF:10612954.3/42

All: 483.658+/-0.053 χ^2/NDF: 20077593.1/81



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: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 173.051+/-76.990 χ^2/NDF: 86.1/46

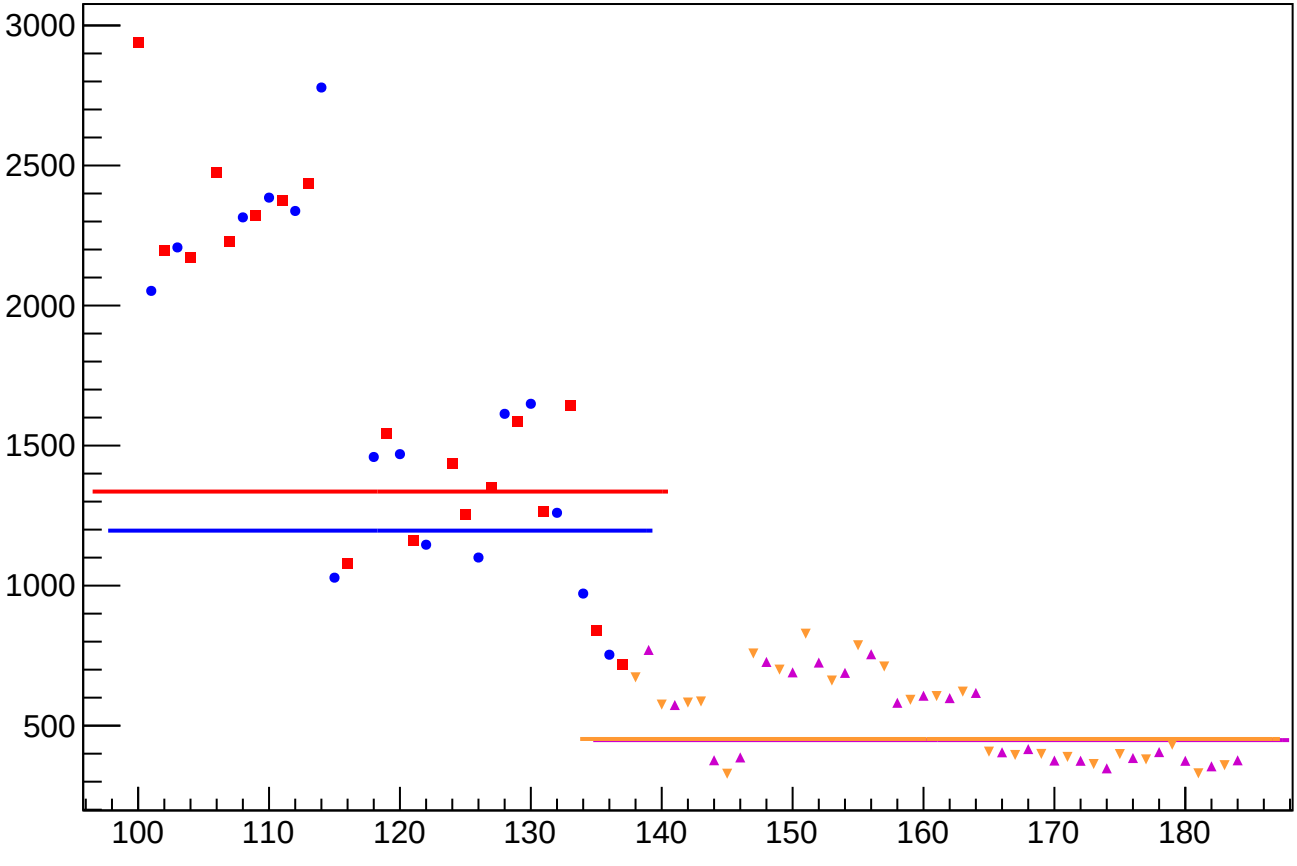
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 99.928+/-106.608 χ^2/NDF:55.9/38

Out: 276.177+/-106.203 χ^2/NDF:65.1/42

All: 188.388+/-75.239 χ^2/NDF: 122.4/81

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: 448.397+/-0.077 χ^2/NDF:2620759.6/22

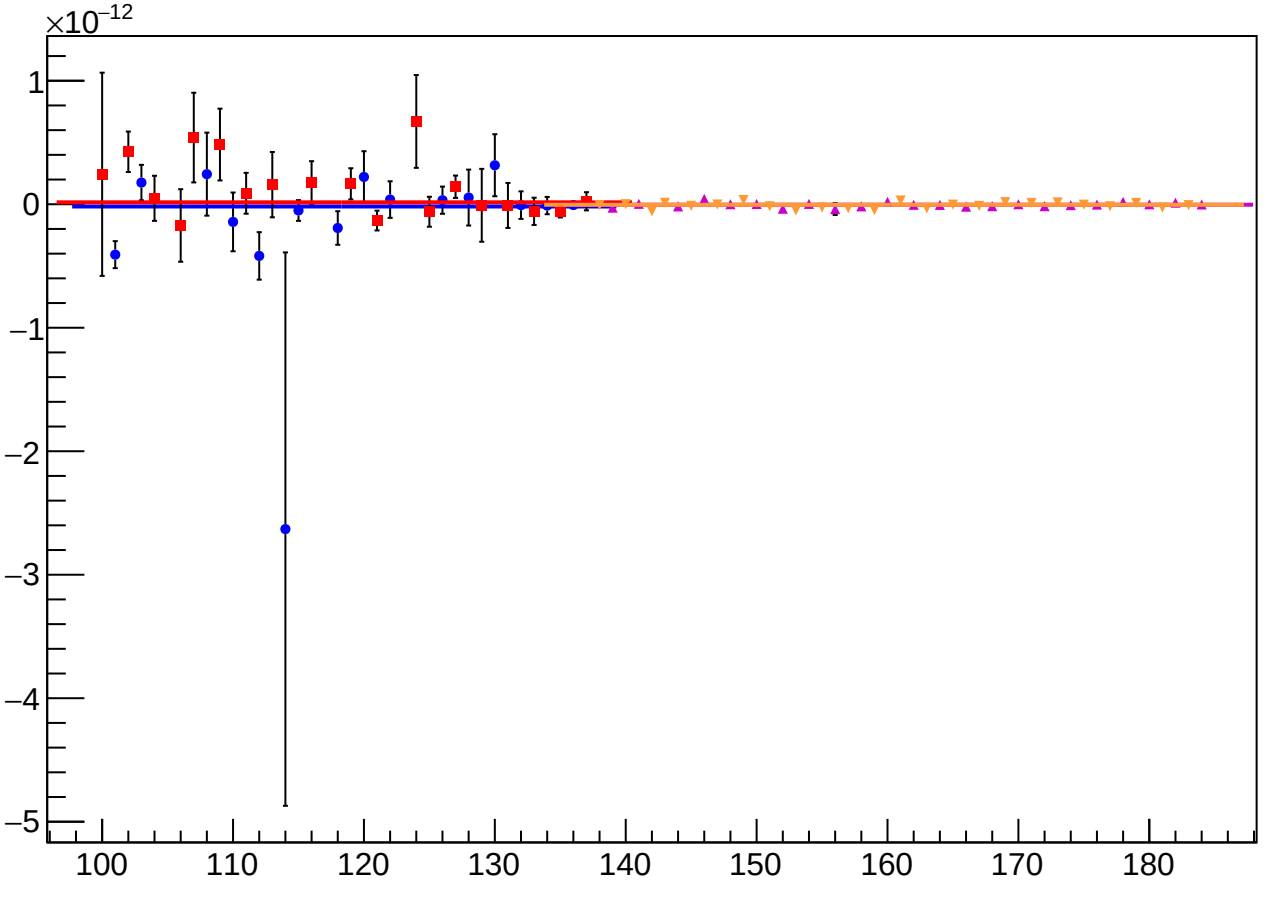
Left: 450.440+/-0.054 χ^2/NDF: 5680402.1/46

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 484.993+/-0.075 χ^2/NDF:9233632.4/38

Out: 488.665+/-0.075 χ^2/NDF:10449842.1/42

All: 486.836+/-0.053 χ^2/NDF: 19684665.7/81



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:16.7/22

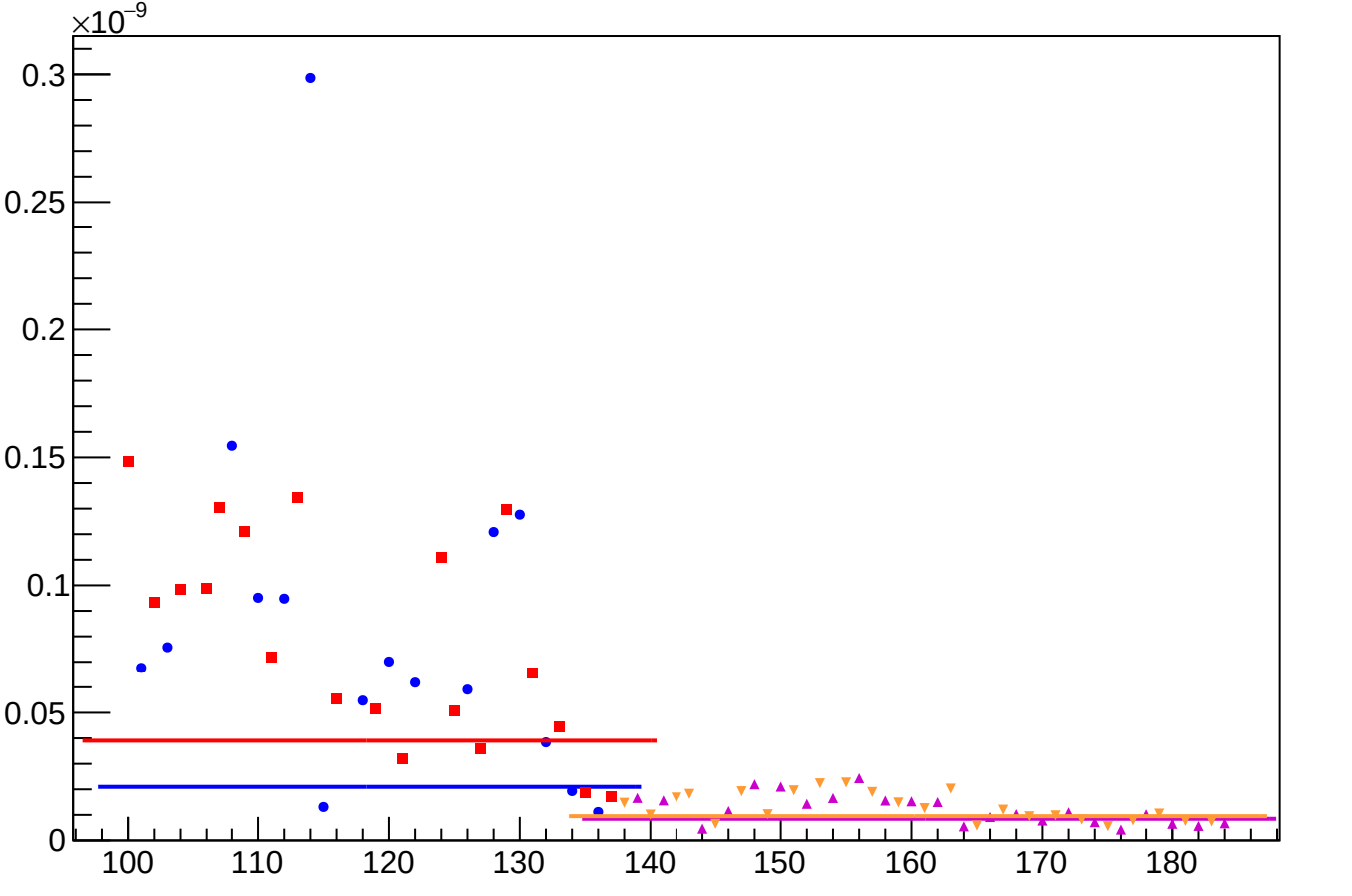
Left: -0.000+/-0.000 χ^2/NDF: 37.9/46

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:44.1/38

Out: -0.000+/-0.000 χ^2/NDF:47.3/42

All: -0.000+/-0.000 χ^2/NDF: 91.5/81



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:2739291.5/22

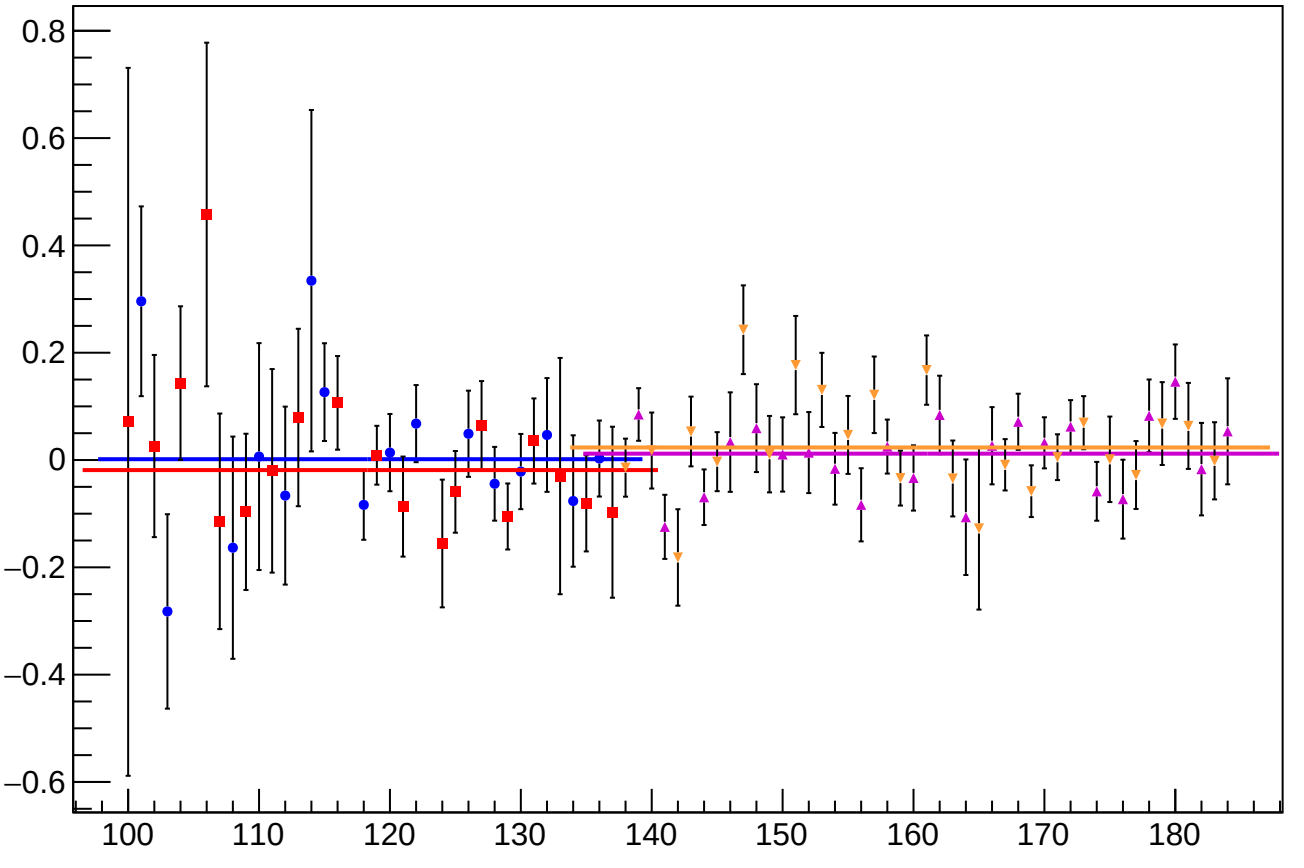
Left: 0.000+/-0.000 χ^2/NDF: 5231855.3/46

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:7065485.8/38

Out: 0.000+/-0.000 χ^2/NDF:6751597.2/42

All: 0.000+/-0.000 χ^2/NDF: 13896397.7/81



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: 0.012+/-0.013 χ^2/NDF:25.9/22

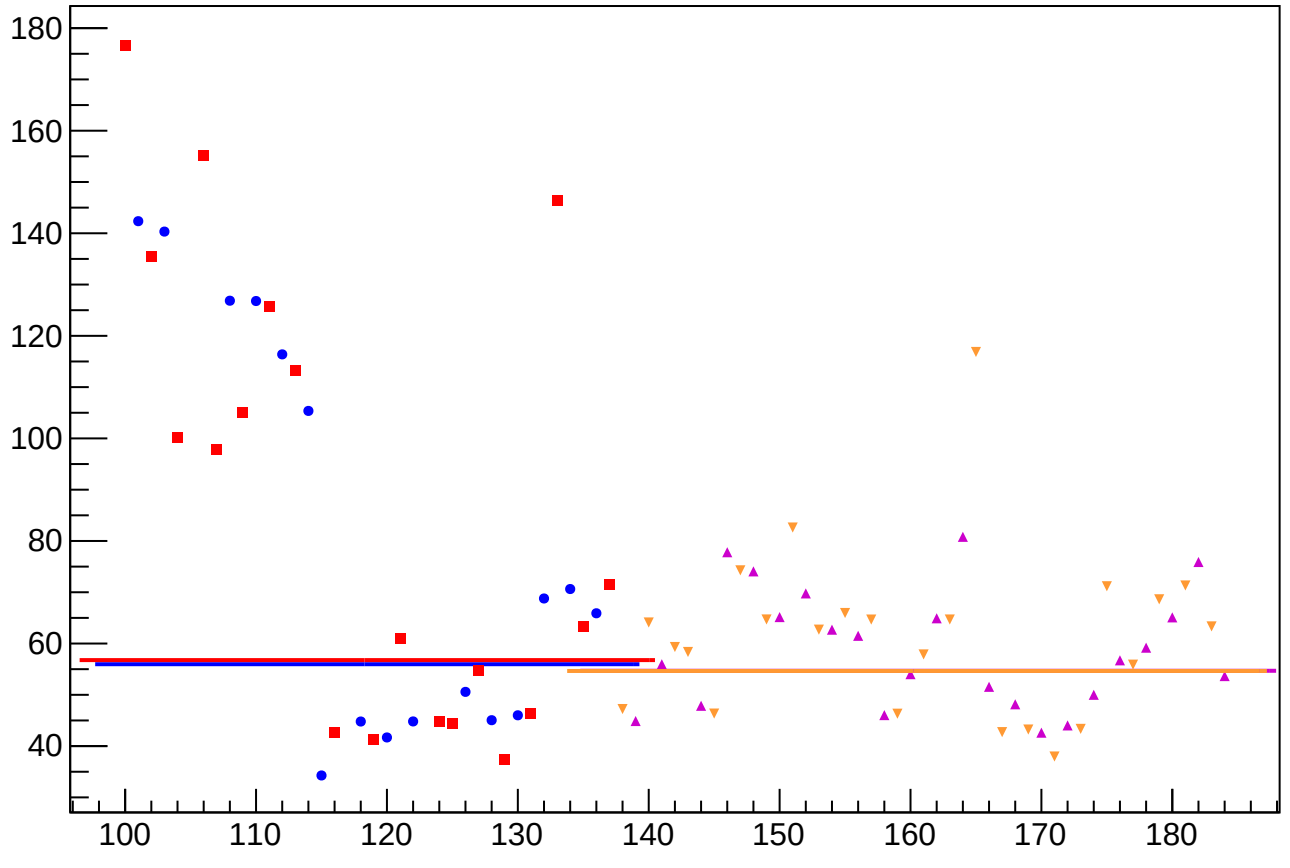
Left: 0.018+/-0.009 χ^2/NDF: 60.4/46

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.009+/-0.012 χ^2/NDF:39.1/38

Out: 0.014+/-0.011 χ^2/NDF:49.7/42

All: 0.011+/-0.008 χ^2/NDF: 88.8/81



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: 54.688+/-0.009 χ^2/NDF:1190787.0/22

Left: 54.669+/-0.007 χ^2/NDF: 3126214.1/46

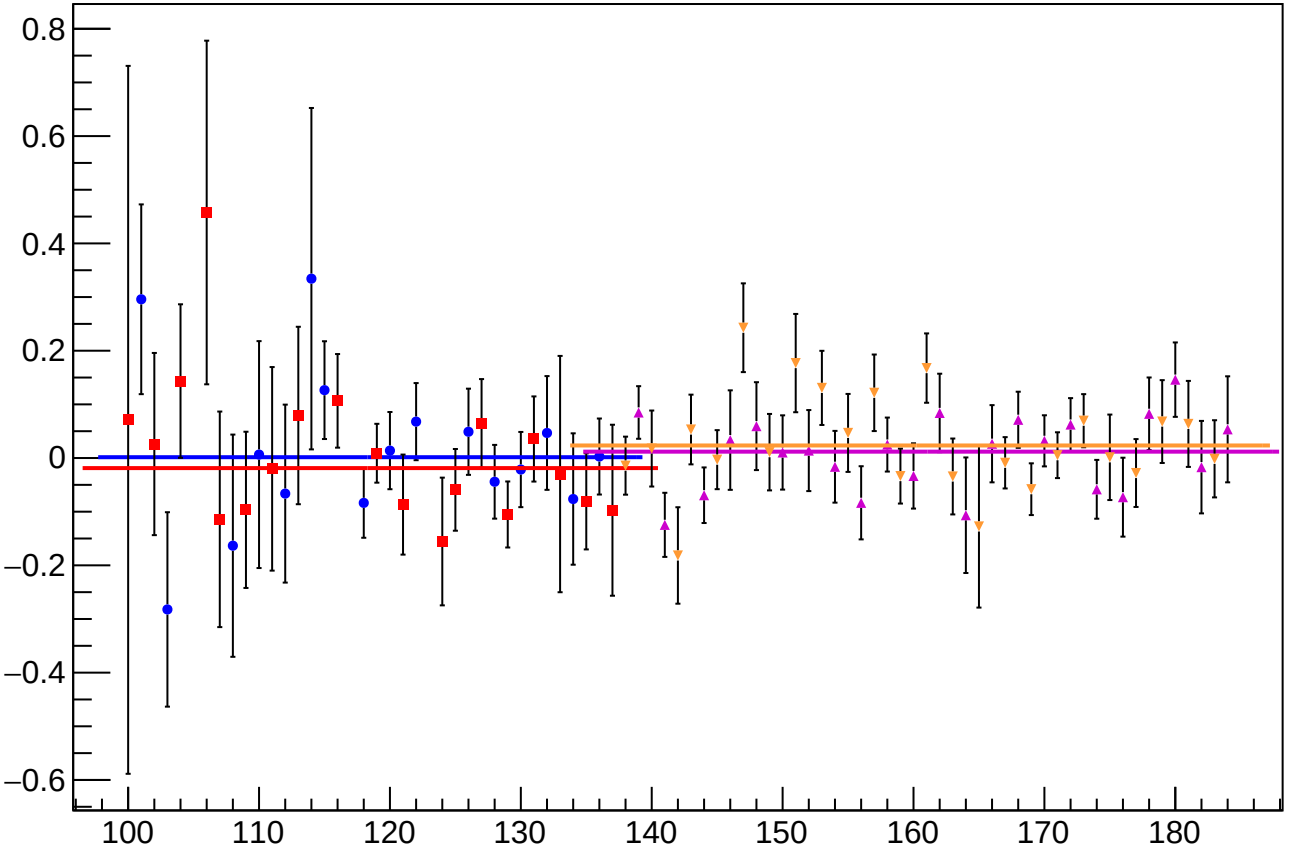
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.999+/-0.008 χ^2/NDF:3375142.0/38

Out: 55.148+/-0.008 χ^2/NDF:4501084.4/42

All: 55.074+/-0.006 χ^2/NDF: 7876394.4/81

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: 0.012+/-0.013 χ^2/NDF:25.9/22

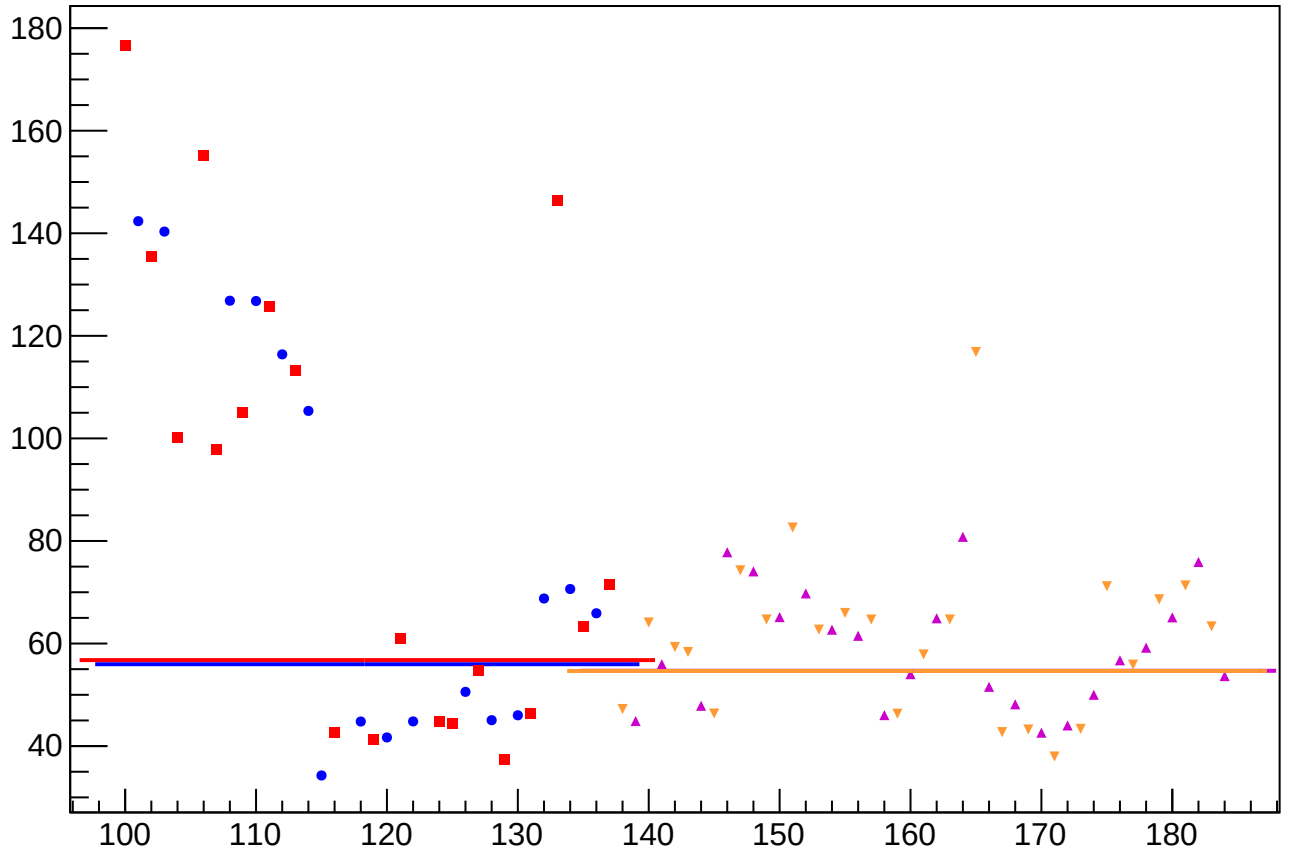
Left: 0.018+/-0.009 χ^2/NDF: 60.4/46

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.009+/-0.012 χ^2/NDF:39.1/38

Out: 0.014+/-0.011 χ^2/NDF:49.7/42

All: 0.011+/-0.008 χ^2/NDF: 88.8/81



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: 54.688+/-0.009 χ^2/NDF:1190787.0/22

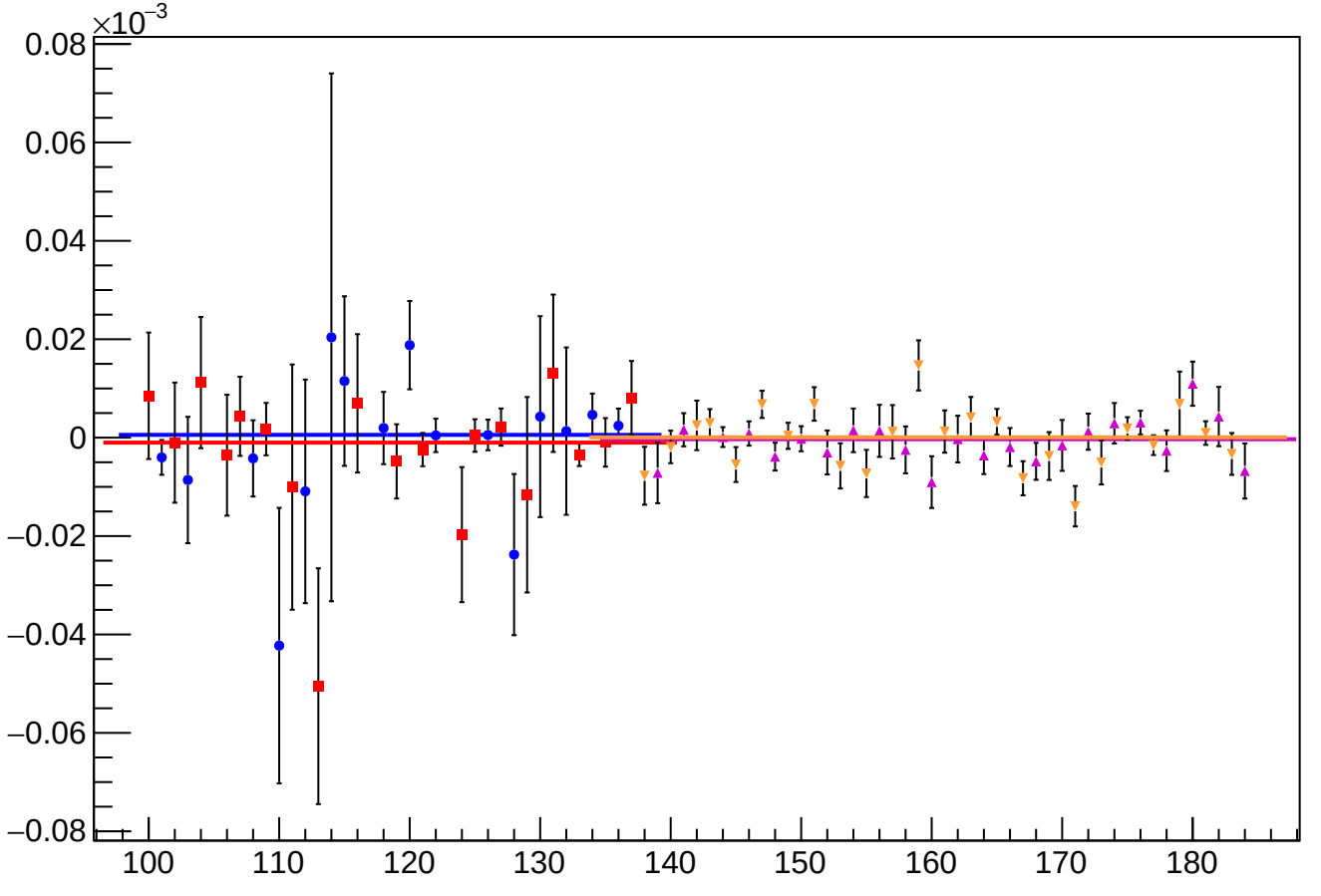
Left: 54.669+/-0.007 χ^2/NDF: 3126214.1/46

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.999+/-0.008 χ^2/NDF:3375142.0/38

Out: 55.148+/-0.008 χ^2/NDF:4501084.4/42

All: 55.074+/-0.006 χ^2/NDF: 7876394.4/81



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:20.7/22

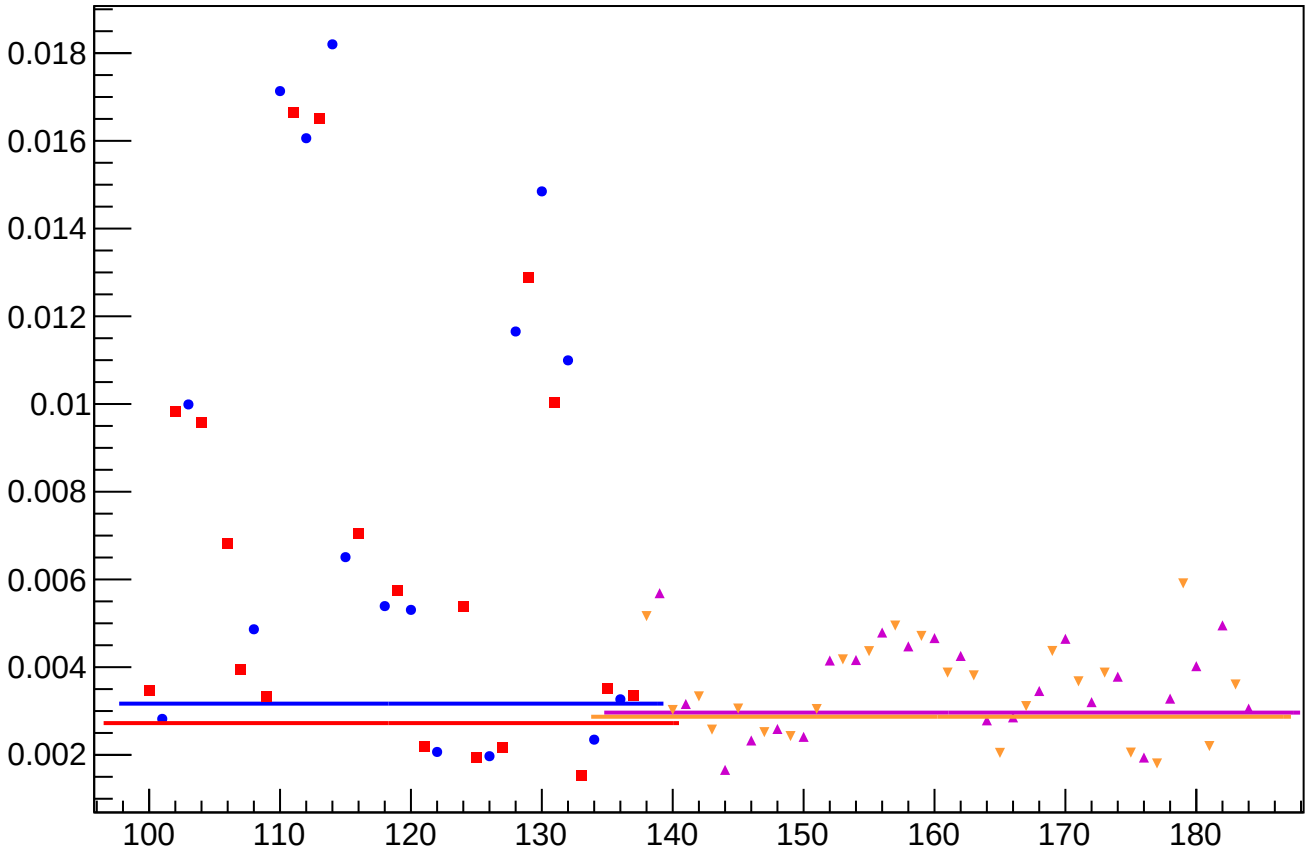
Left: -0.000+/-0.000 χ^2/NDF: 73.5/46

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:34.3/38

Out: -0.000+/-0.000 χ^2/NDF:67.0/42

All: -0.000+/-0.000 χ^2/NDF: 101.3/81



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:3619016.3/22

Left: 0.003+/-0.000 χ^2/NDF: 7234980.1/46

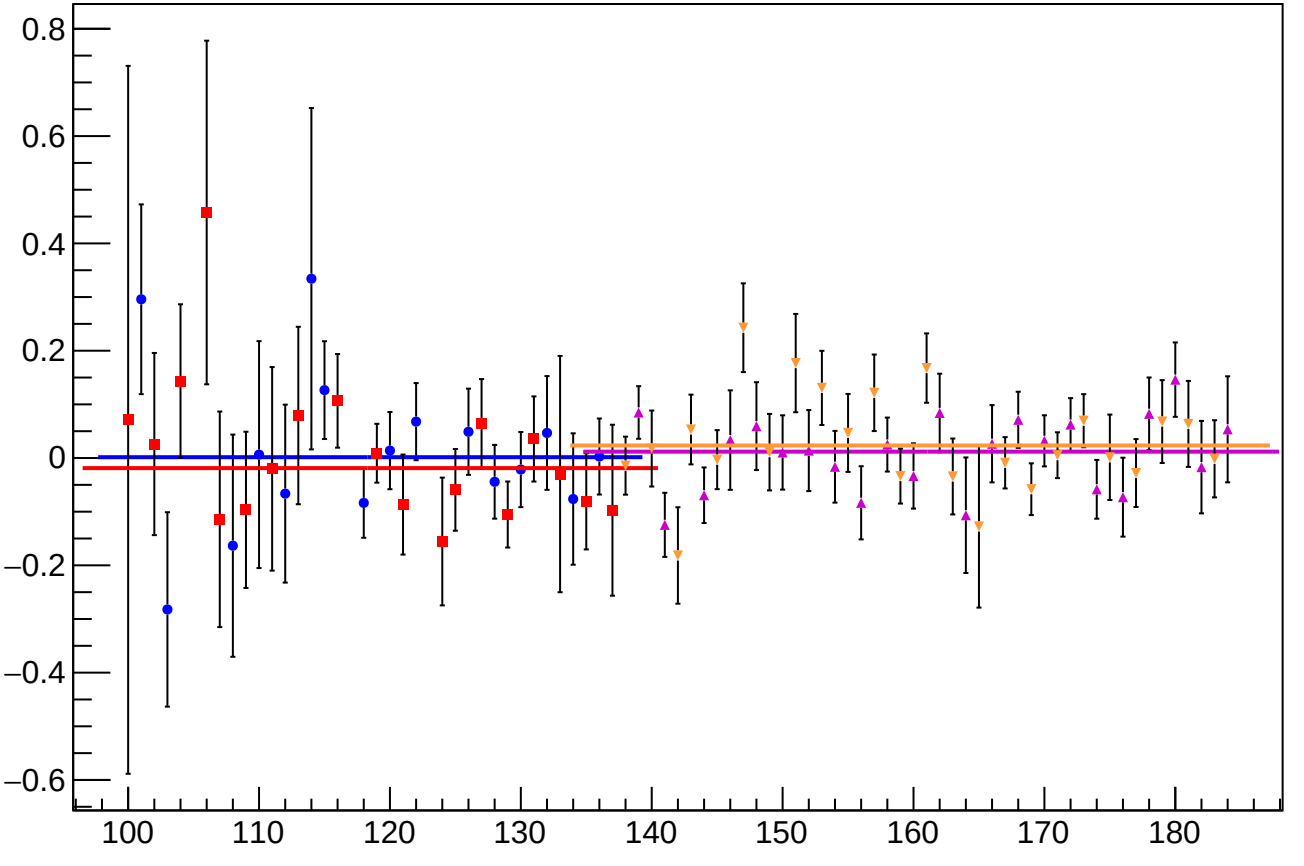
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:8196139.0/38

Out: 0.003+/-0.000 χ^2/NDF:8772176.7/42

All: 0.003+/-0.000 χ^2/NDF: 17039786.3/81

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:34.1/23

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/46

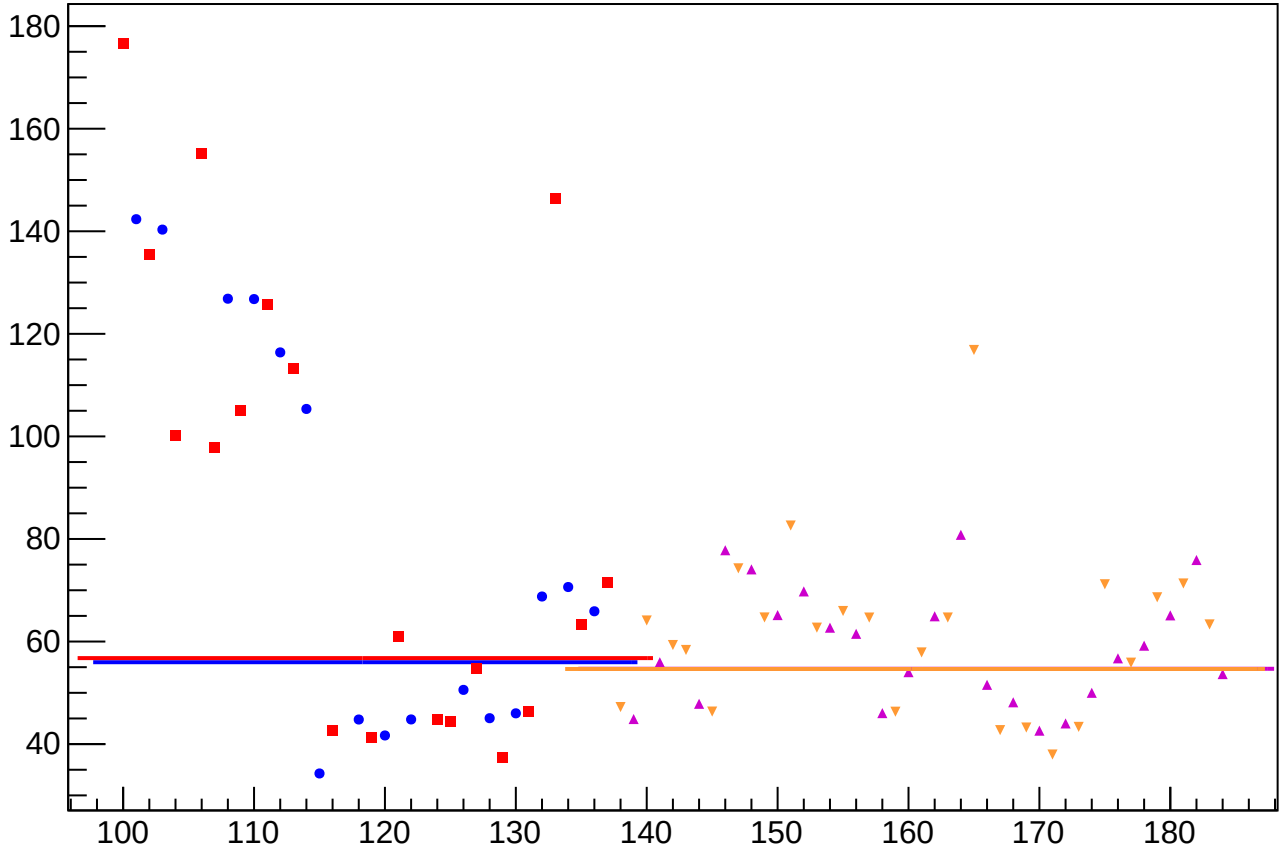
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.009+/-0.012 χ^2/NDF:39.1/38

Out: 0.014+/-0.011 χ^2/NDF:49.7/42

All: 0.011+/-0.008 χ^2/NDF: 88.8/81

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: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.669+/-0.007 χ^2/NDF: 3126176.6/46

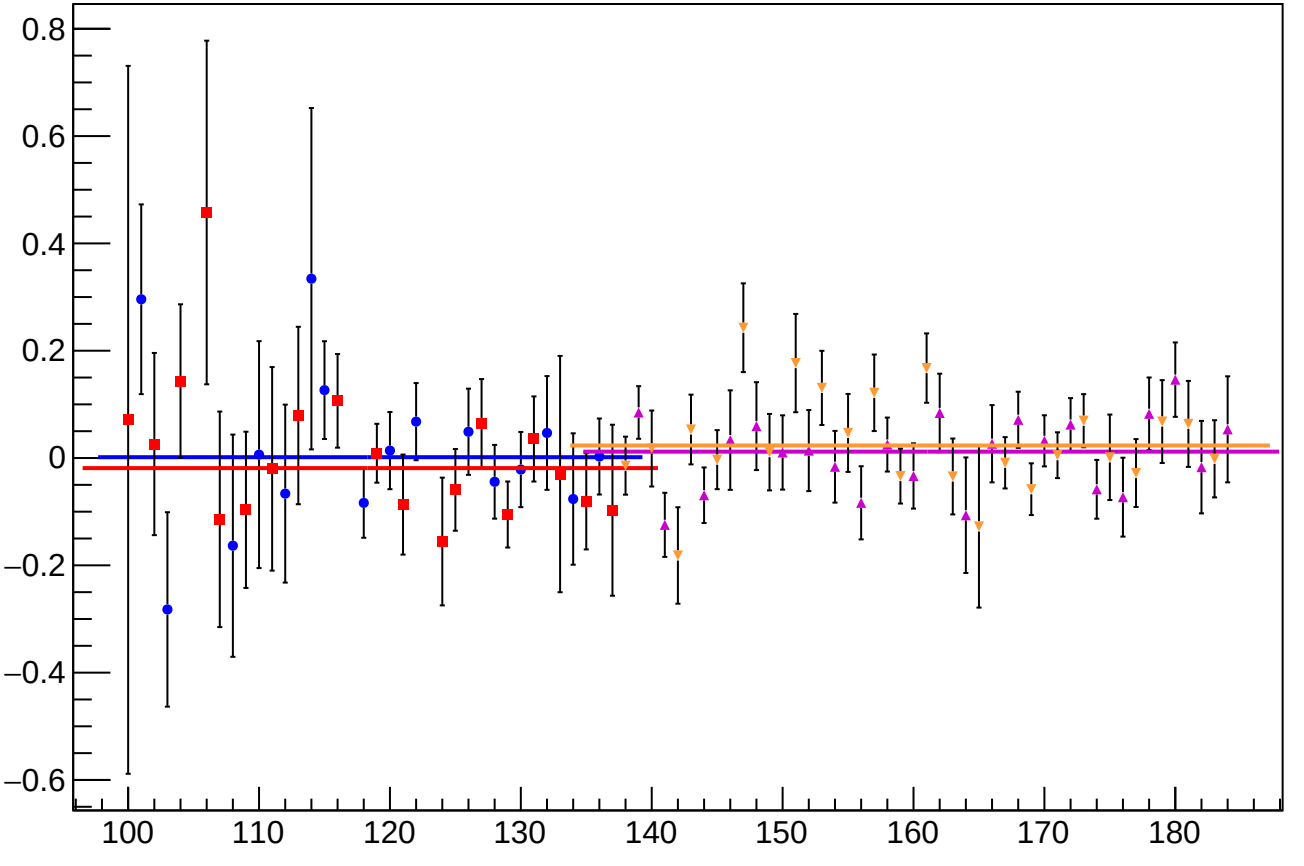
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.999+/-0.008 χ^2/NDF:3375032.4/38

Out: 55.148+/-0.008 χ^2/NDF:4501012.1/42

All: 55.074+/-0.006 χ^2/NDF: 7876212.1/81

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: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/46

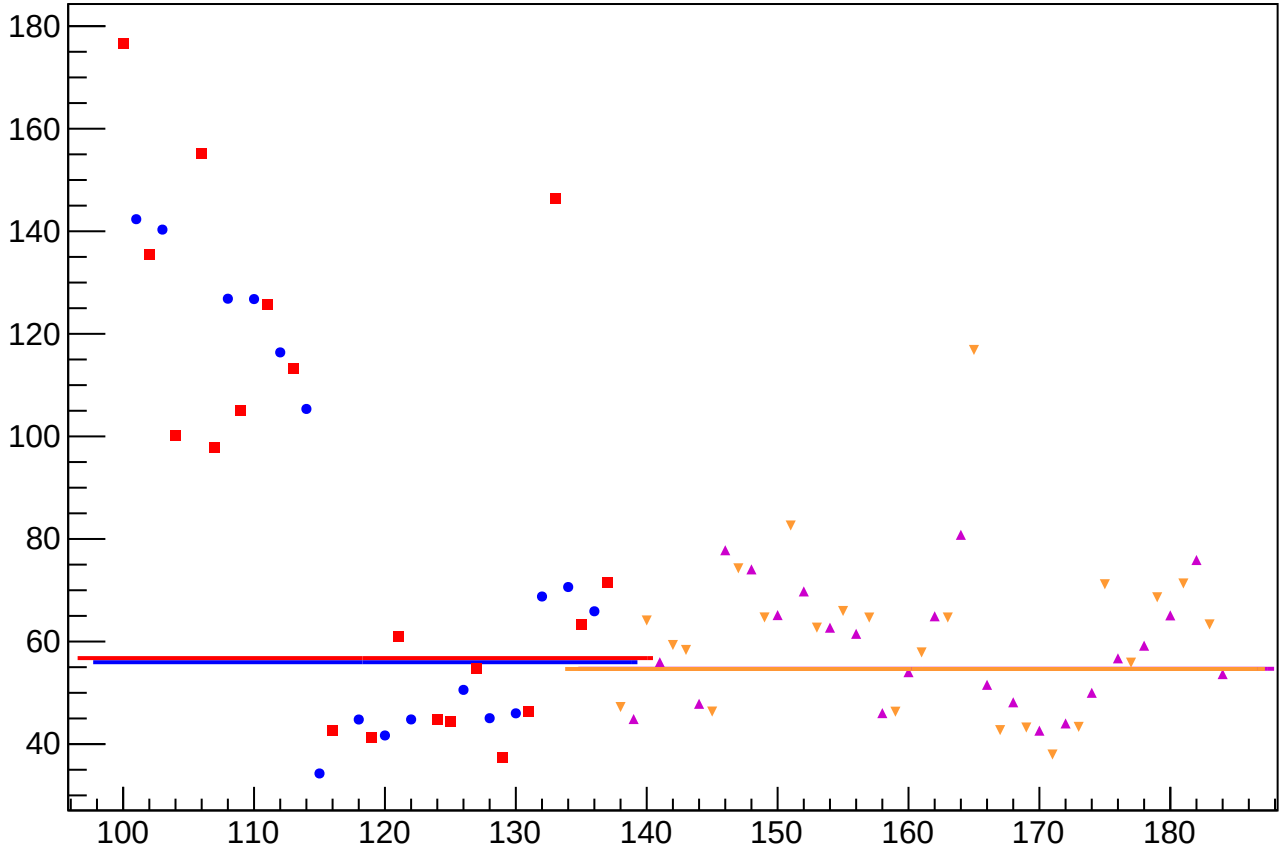
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.009+/-0.012 χ^2/NDF:39.1/38

Out: 0.014+/-0.011 χ^2/NDF:49.7/42

All: 0.011+/-0.008 χ^2/NDF: 88.8/81

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: 54.689+/-0.009 χ^2/NDF:1190755.4/22

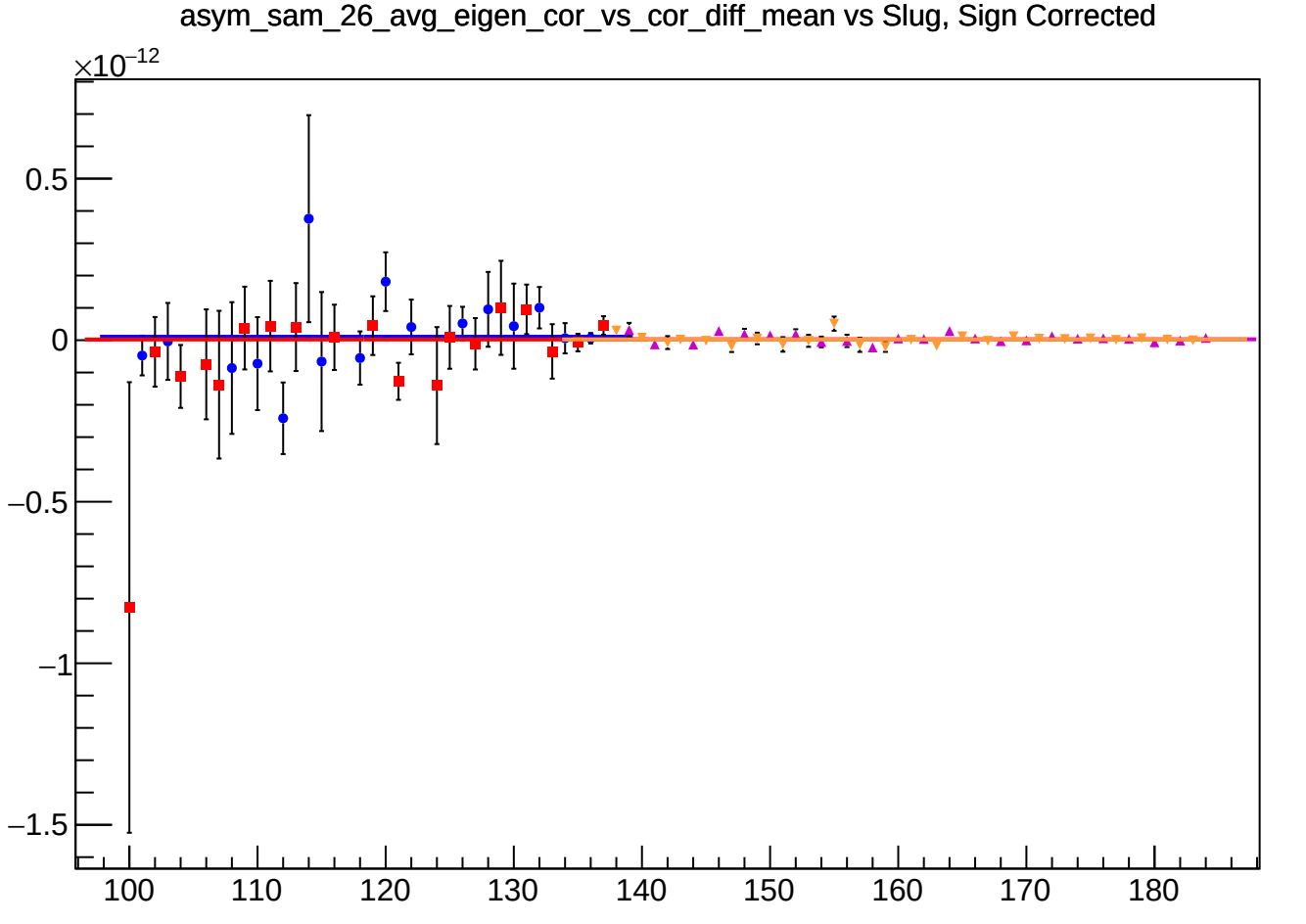
Left: 54.669+/-0.007 χ^2/NDF: 3126176.6/46

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.999+/-0.008 χ^2/NDF:3375032.4/38

Out: 55.148+/-0.008 χ^2/NDF:4501012.1/42

All: 55.074+/-0.006 χ^2/NDF: 7876212.1/81



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:33.1/22

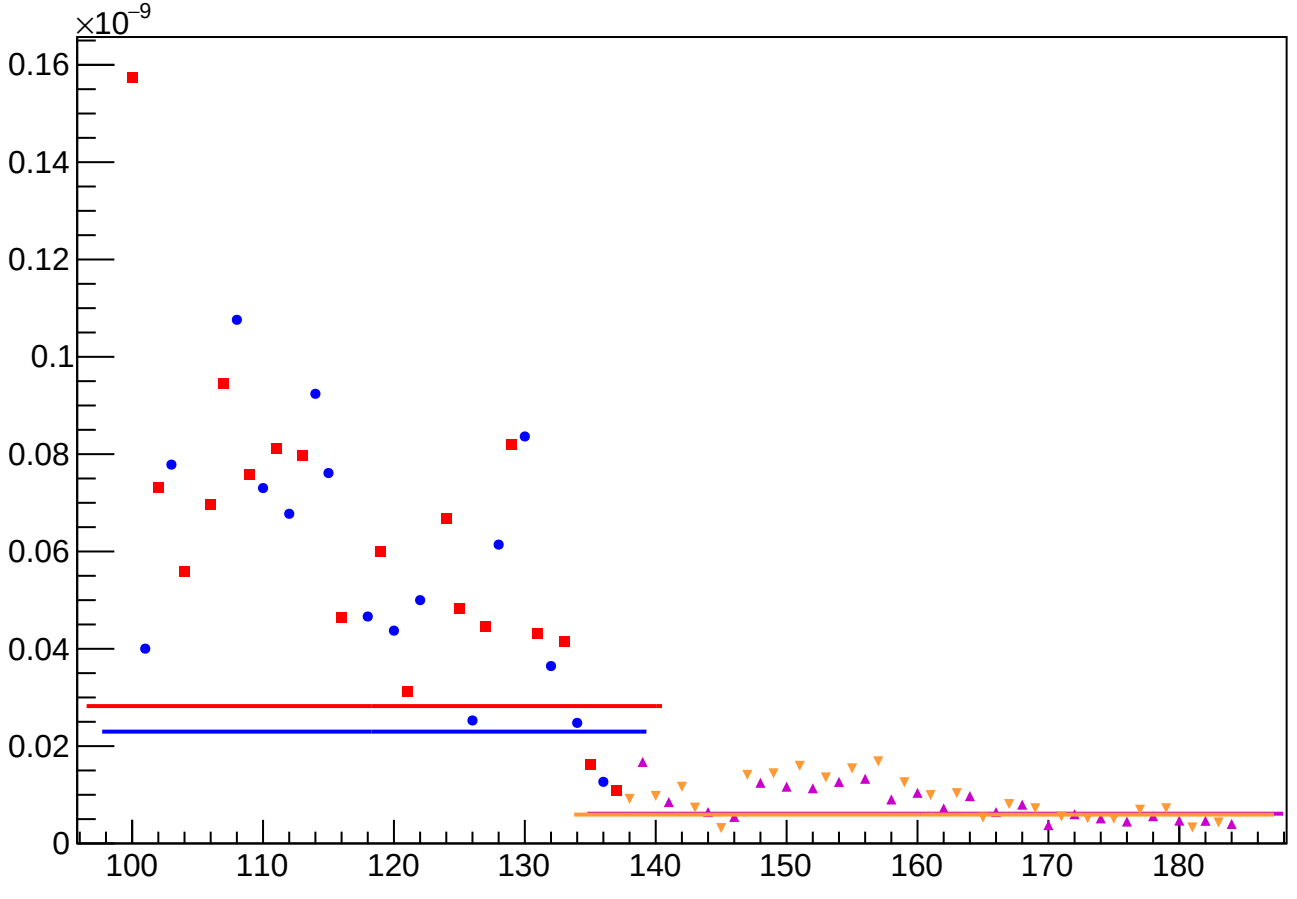
Left: 0.000+/-0.000 χ^2/NDF: 53.4/46

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:49.1/38

Out: 0.000+/-0.000 χ^2/NDF:34.5/42

All: 0.000+/-0.000 χ^2/NDF: 83.7/81



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:3304370.7/22

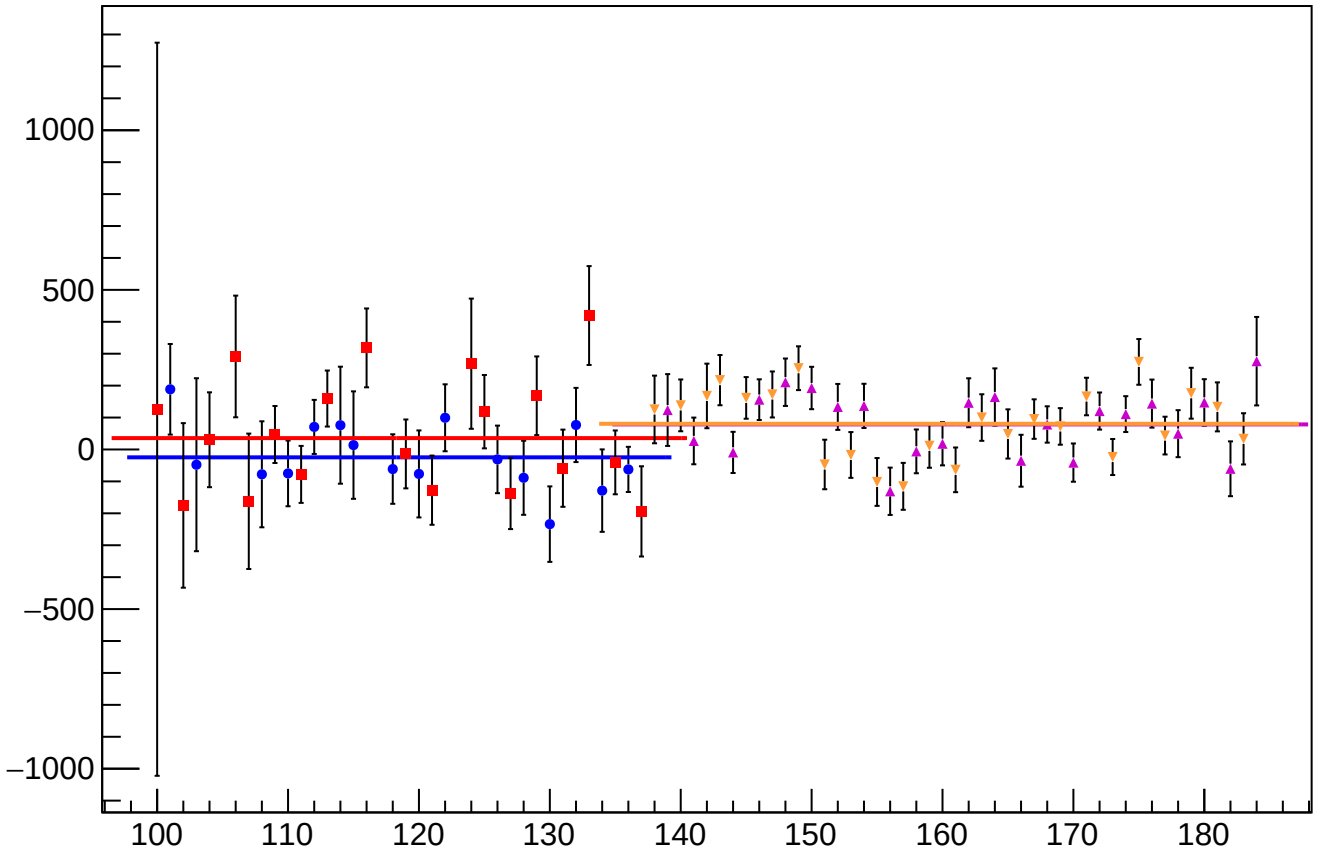
Left: 0.000+/-0.000 χ^2/NDF: 8782737.9/46

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:10349888.1/38

Out: 0.000+/-0.000 χ^2/NDF:13367881.1/42

All: 0.000+/-0.000 χ^2/NDF: 23732648.1/81



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: 78.506+/-14.811 χ^2/NDF:36.7/22

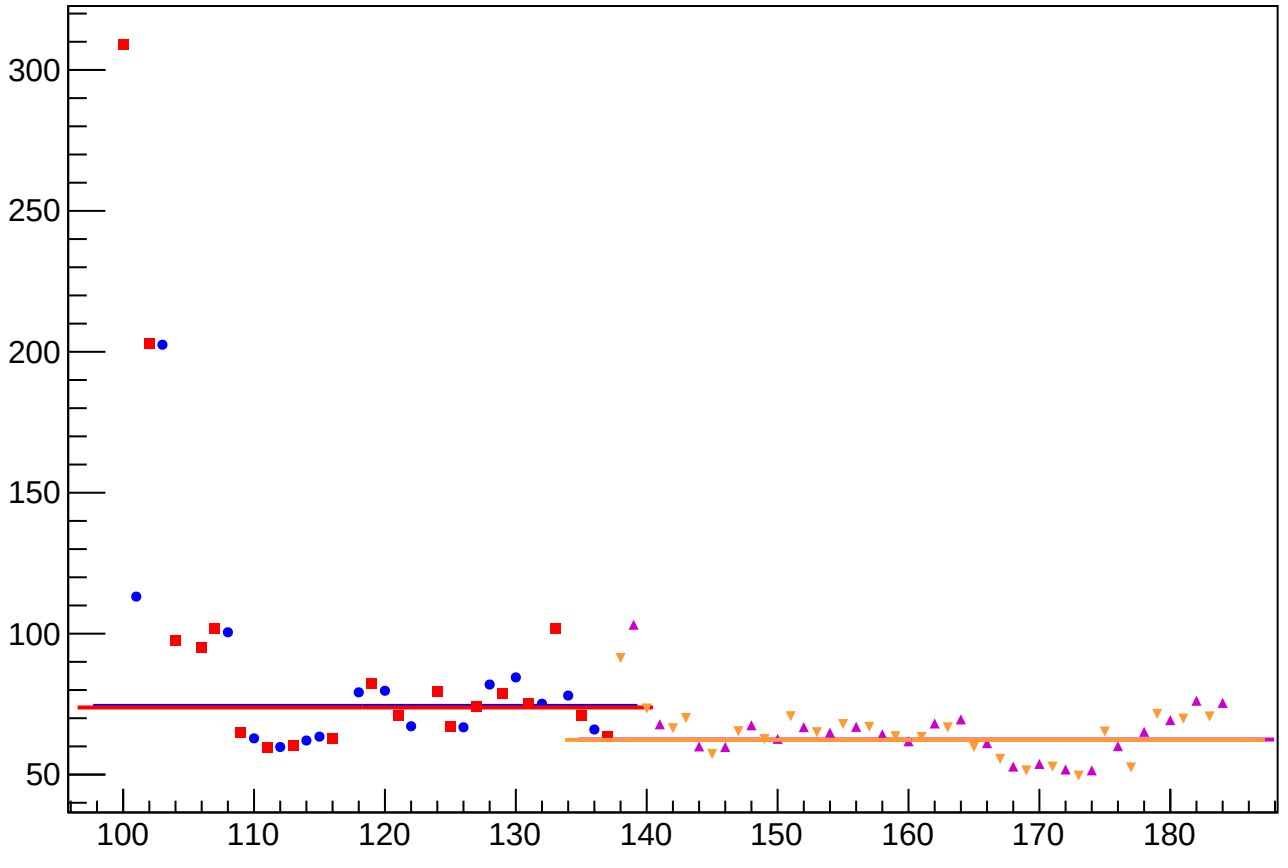
Left: 79.496+/-10.354 χ^2/NDF: 89.4/46

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 57.066+/-13.182 χ^2/NDF:57.7/38

Out: 71.215+/-12.905 χ^2/NDF:84.8/42

All: 64.291+/-9.222 χ^2/NDF: 143.1/81



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: 62.445+/-0.010 χ^2/NDF:664644.9/22

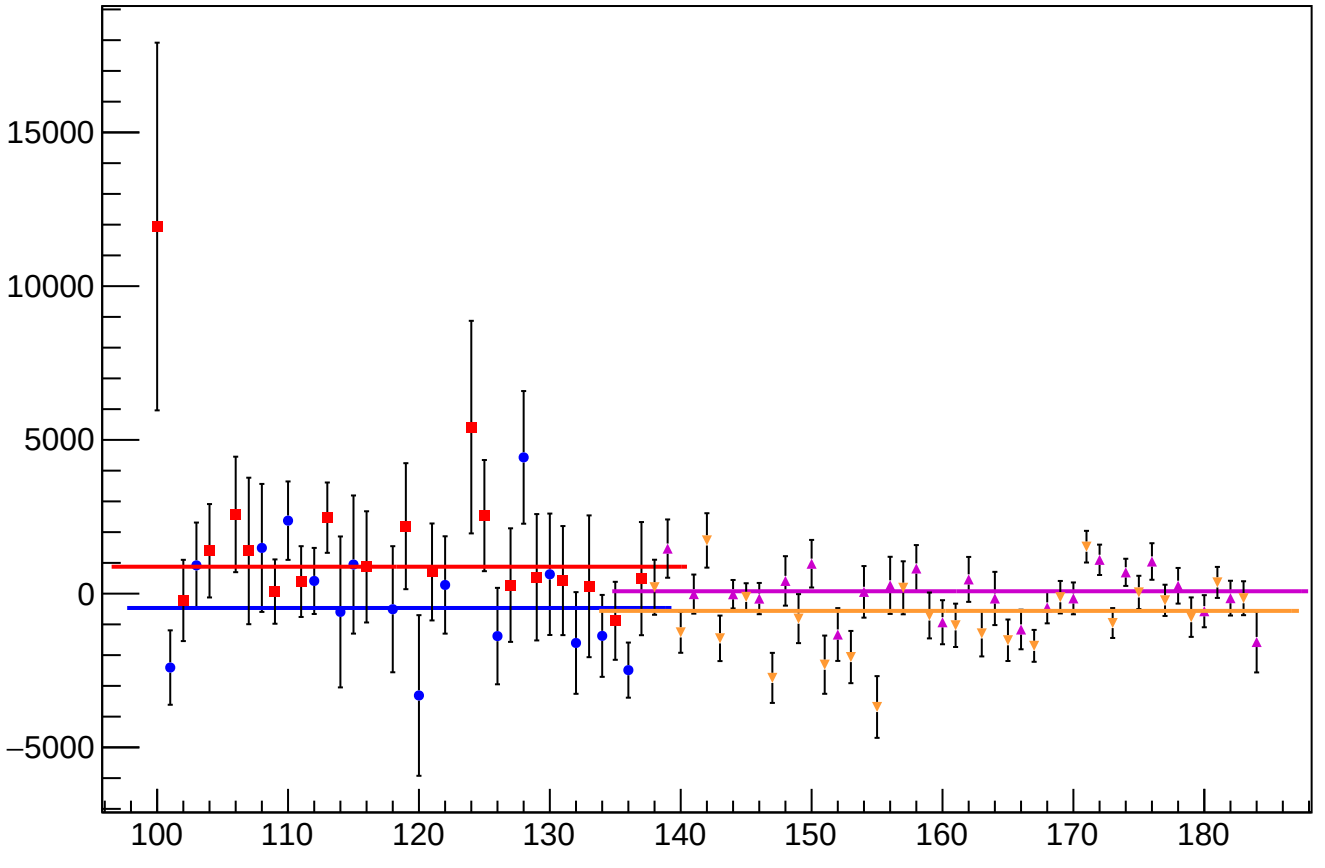
Left: 62.382+/-0.007 χ^2/NDF: 1320905.6/46

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 64.924+/-0.009 χ^2/NDF:1761679.3/38

Out: 64.686+/-0.009 χ^2/NDF:1847288.2/42

All: 64.803+/-0.007 χ^2/NDF: 3609299.0/81



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: 77.393+/-130.317 χ^2/NDF:28.4/22

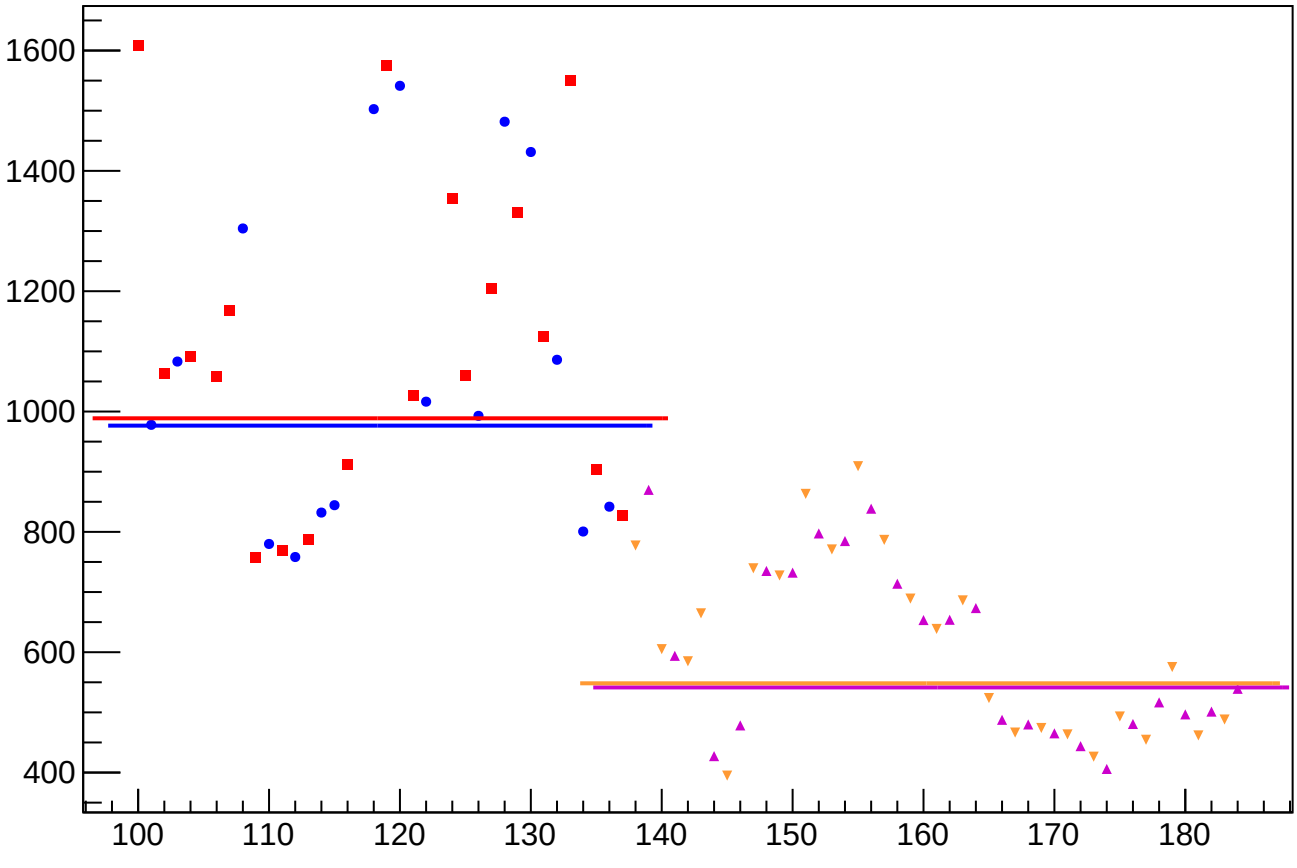
Left: -243.947+/-91.850 χ^2/NDF: 107.5/46

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: 18.793+/-123.097 χ^2/NDF:53.9/38

Out: -406.113+/-122.290 χ^2/NDF:93.4/42

All: -195.058+/-86.756 χ^2/NDF: 153.4/81



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: 541.458+/-0.092 χ^2/NDF:1840342.7/22

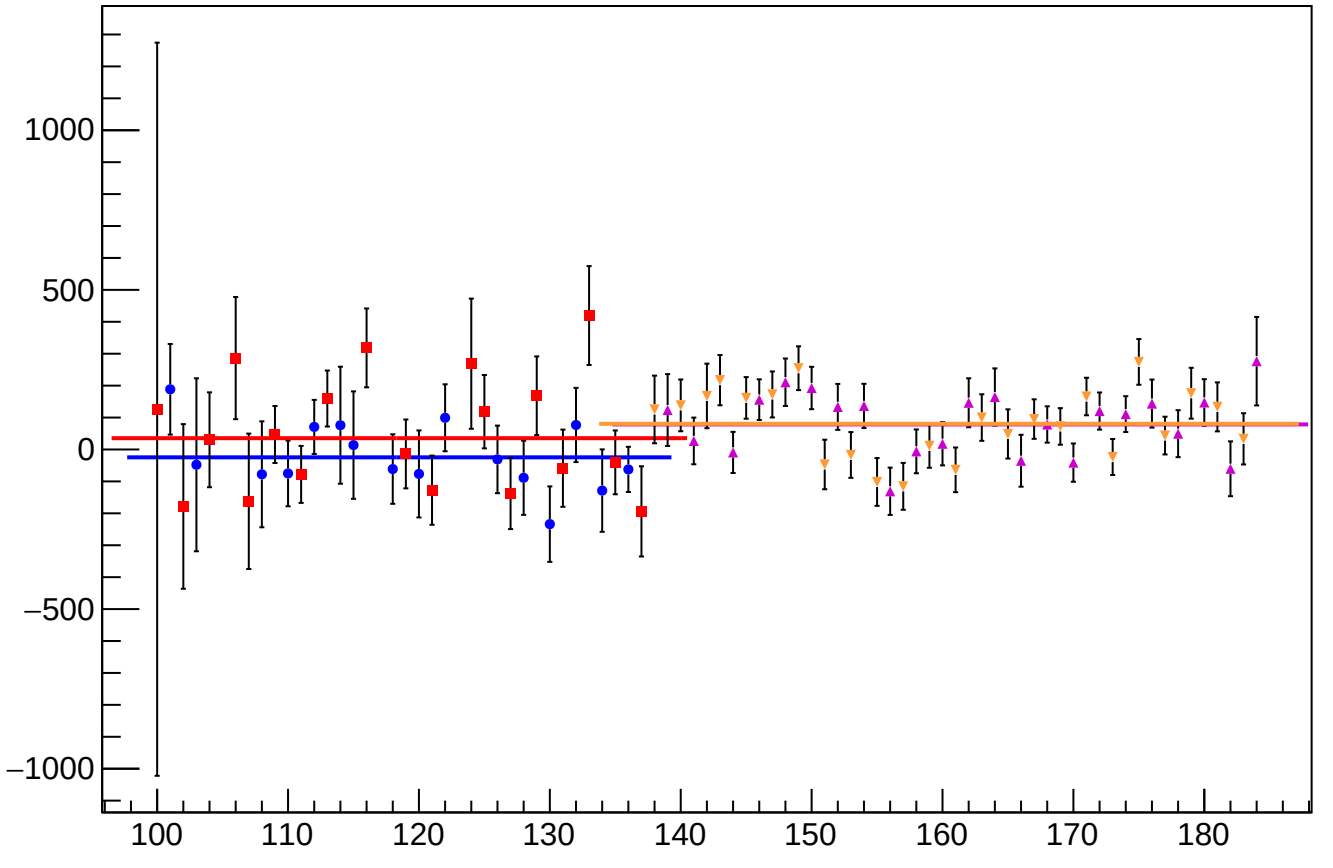
Left: 544.913+/-0.065 χ^2/NDF: 3881137.5/46

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 588.337+/-0.087 χ^2/NDF:4979199.1/38

Out: 595.860+/-0.086 χ^2/NDF:5251513.2/42

All: 592.123+/-0.061 χ^2/NDF: 10234471.9/81



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: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 79.498+/-10.354 χ^2/NDF: 89.4/46

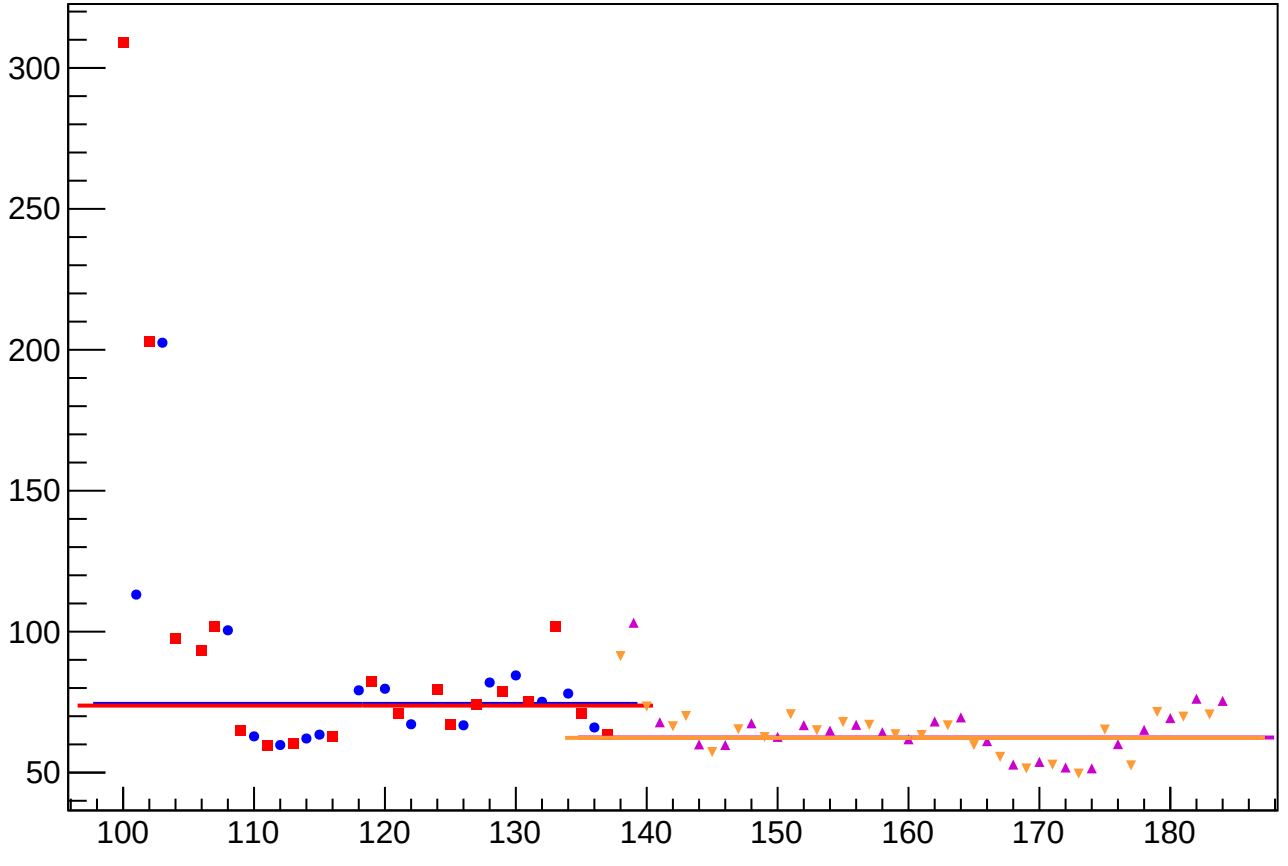
Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 57.065+/-13.182 χ^2/NDF:57.7/38

Out: 71.178+/-12.905 χ^2/NDF:84.7/42

All: 64.271+/-9.222 χ^2/NDF: 143.1/81

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: 62.445+/-0.010 χ^2/NDF:664644.9/22

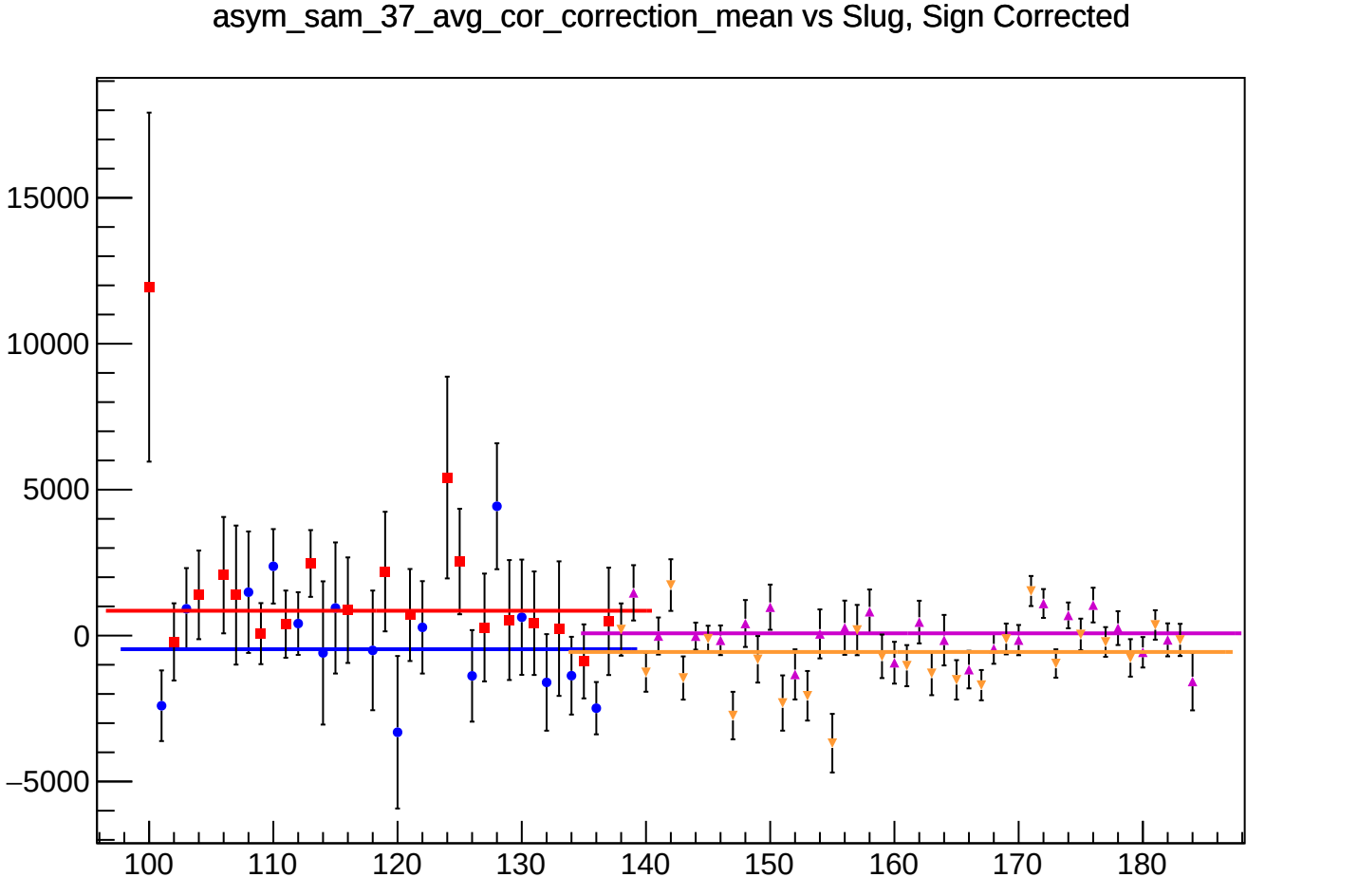
Left: 62.382+/-0.007 χ^2/NDF: 1320905.6/46

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

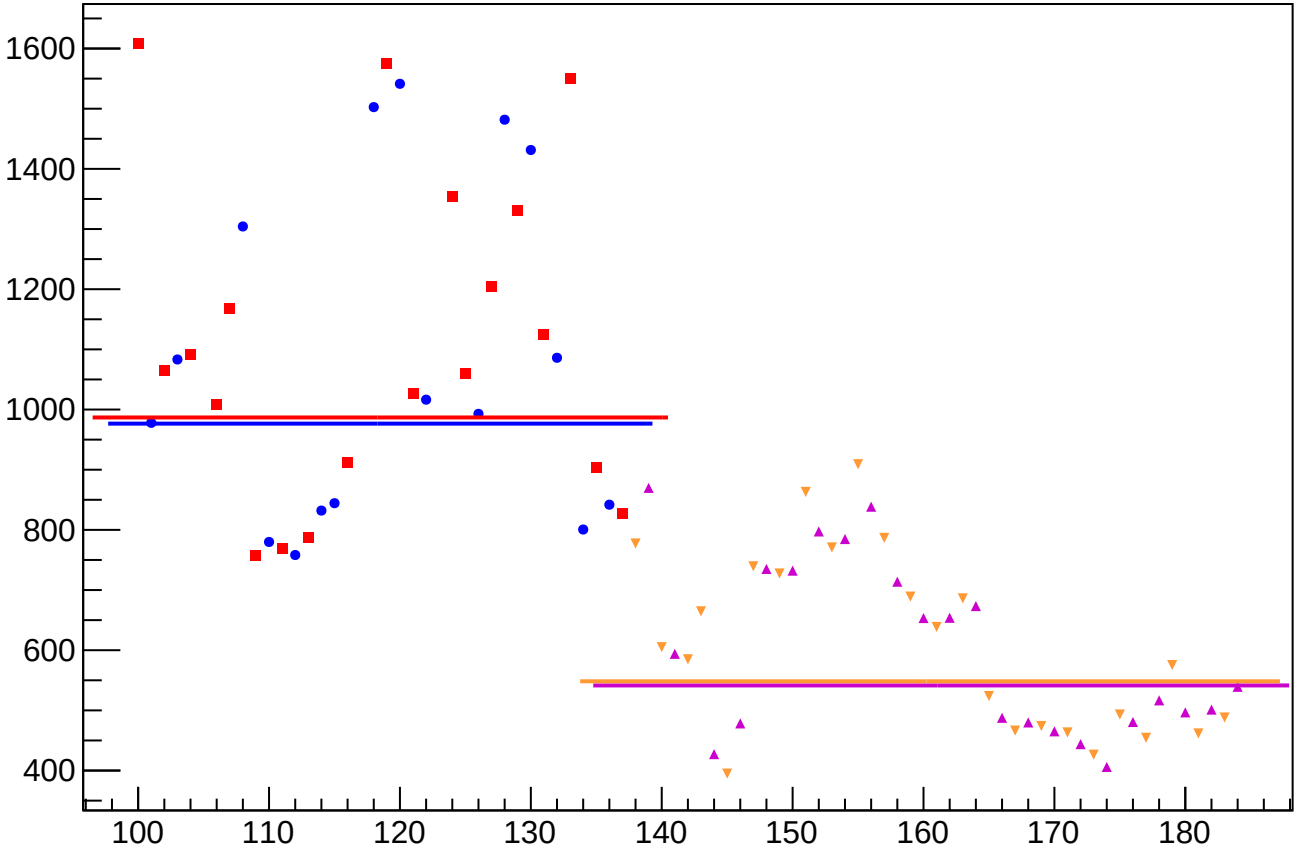
In: 64.924+/-0.009 χ^2/NDF:1761681.2/38

Out: 64.677+/-0.009 χ^2/NDF:1841577.2/42

All: 64.798+/-0.007 χ^2/NDF: 3603615.4/81


asym_sam_37_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
Right In: -466.511+/-375.033 χ²/NDF: 23.7/15
Left Out: -561.153+/-129.477 χ²/NDF:67.1/23
Right Out: 850.757+/-373.092 χ²/NDF: 12.6/18
Left In: 77.392+/-130.317 χ²/NDF:28.4/22
Left: -243.947+/-91.850 χ²/NDF: 107.5/46
Right: 195.541+/-264.500 χ²/NDF: 42.5/34
In: 18.794+/-123.097 χ²/NDF:53.9/38
Out: -409.388+/-122.320 χ²/NDF:92.5/42
All: -196.653+/-86.767 χ²/NDF: 152.5/81

asym_sam_37_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 548.323+/-0.092 χ^2/NDF:2037999.9/23

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

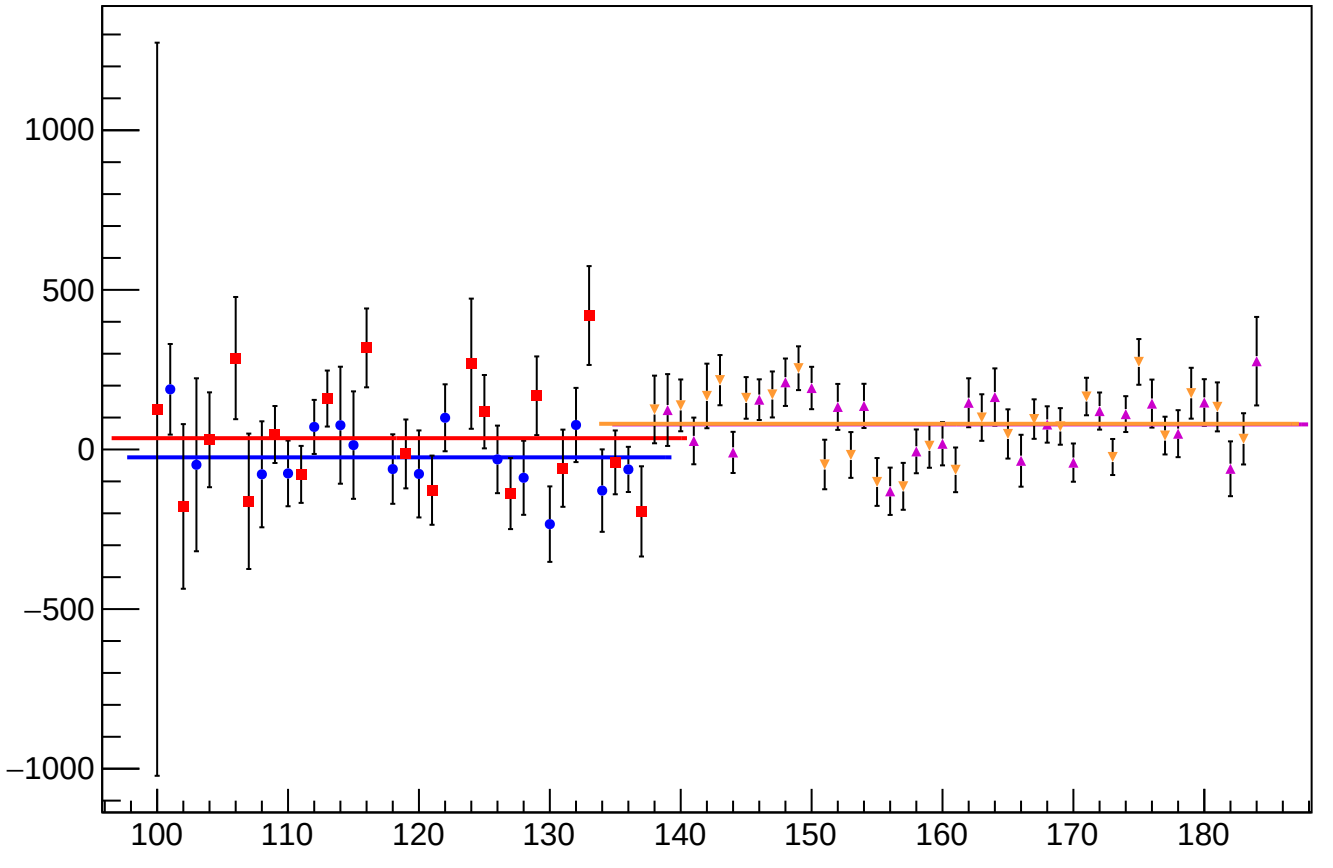
Left: 544.913+/-0.065 χ^2/NDF: 3881136.0/46

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 588.337+/-0.087 χ^2/NDF:4979256.5/38

Out: 595.457+/-0.086 χ^2/NDF:5217075.9/42

All: 591.920+/-0.061 χ^2/NDF: 10199699.5/81



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: 78.506+/-14.811 χ^2/NDF:36.7/22

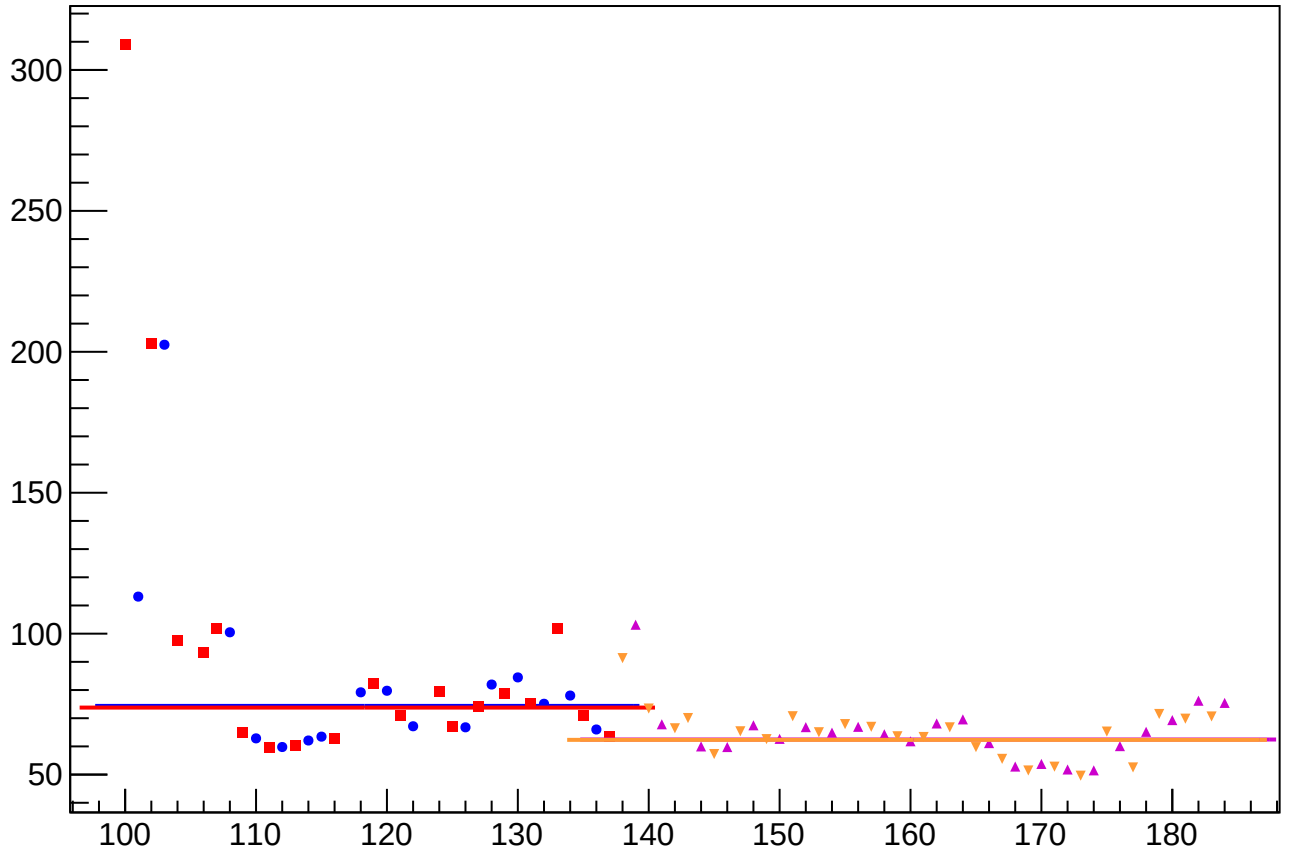
Left: 79.498+/-10.354 χ^2/NDF: 89.4/46

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 57.065+/-13.182 χ^2/NDF:57.7/38

Out: 71.178+/-12.905 χ^2/NDF:84.7/42

All: 64.271+/-9.222 χ^2/NDF: 143.1/81



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: 62.445+/-0.010 χ^2/NDF:664644.9/22

Left: 62.382+/-0.007 χ^2/NDF: 1320905.6/46

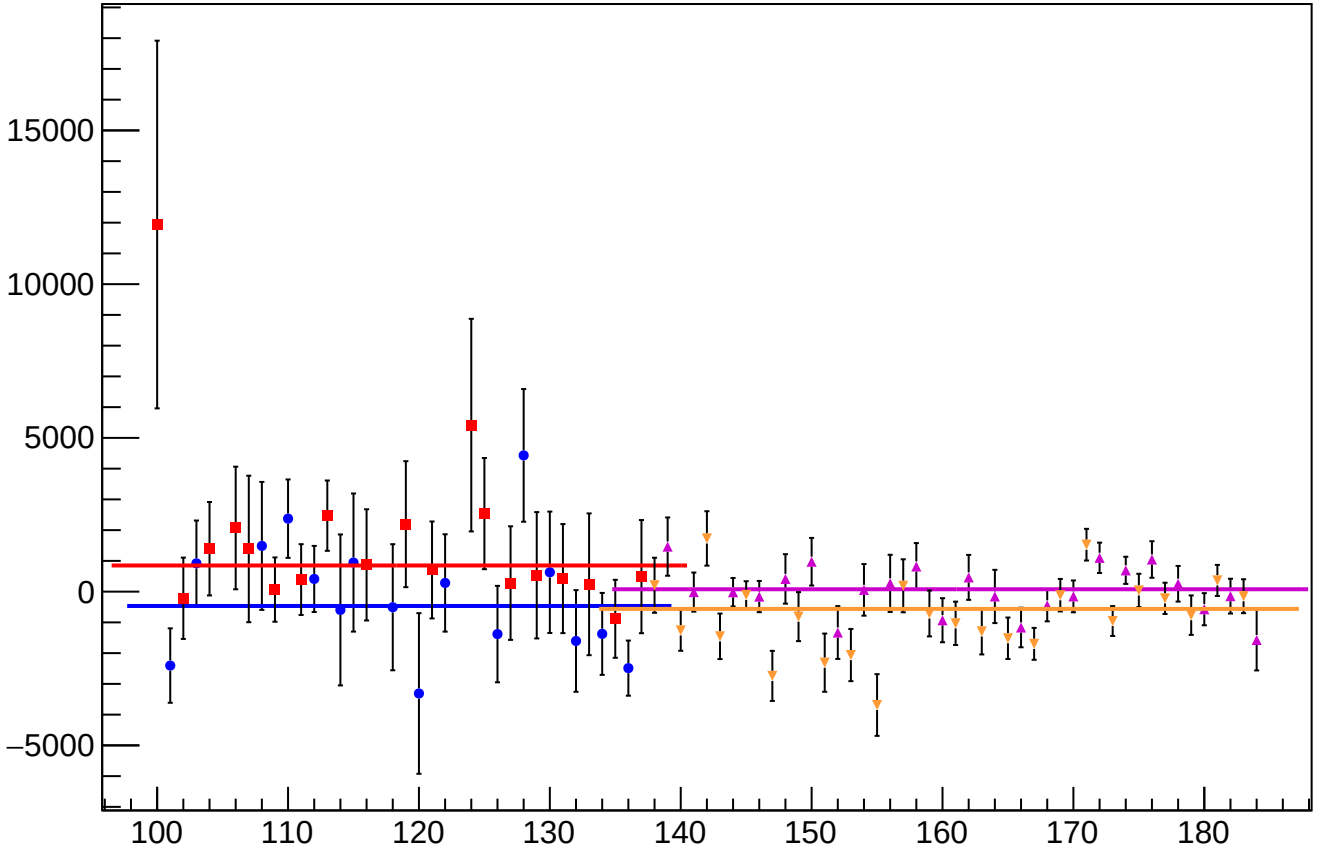
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.924+/-0.009 χ^2/NDF:1761681.2/38

Out: 64.677+/-0.009 χ^2/NDF:1841577.2/42

All: 64.798+/-0.007 χ^2/NDF: 3603615.4/81

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: 77.392+/-130.317 χ^2/NDF:28.4/22

Left: -243.947+/-91.850 χ^2/NDF: 107.5/46

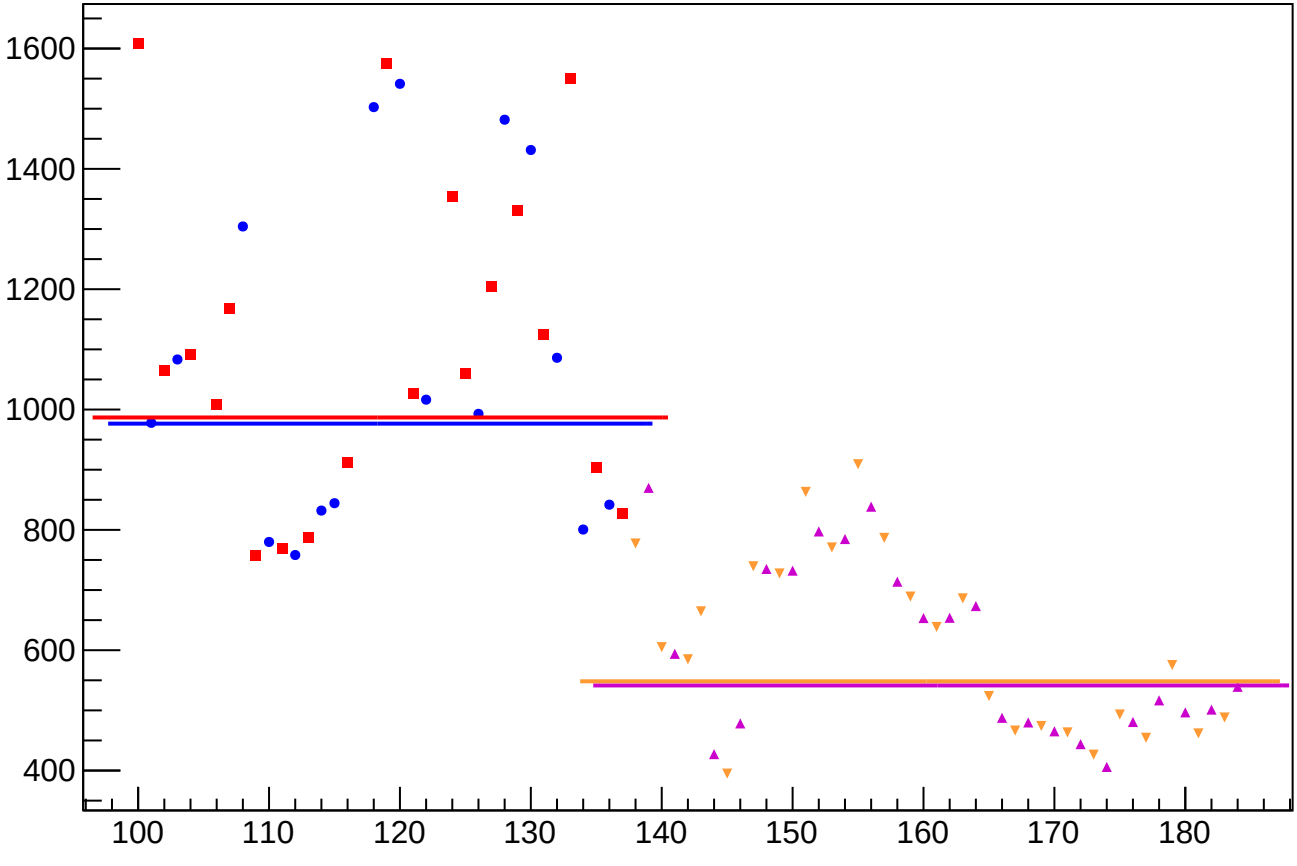
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 18.794+/-123.097 χ^2/NDF:53.9/38

Out: -409.388+/-122.320 χ^2/NDF:92.5/42

All: -196.653+/-86.767 χ^2/NDF: 152.5/81

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 548.323+/-0.092 χ^2/NDF:2037999.9/23

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

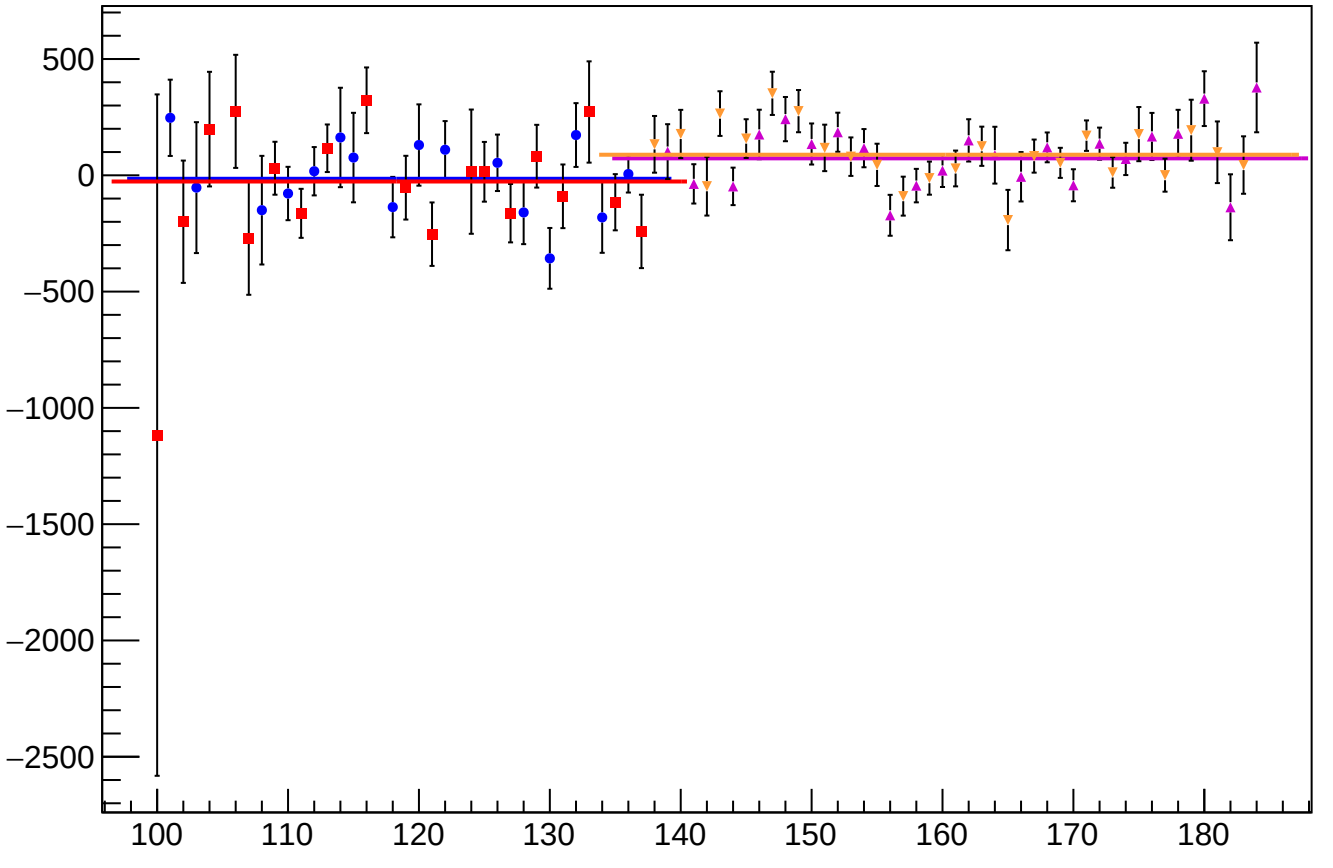
Left: 544.913+/-0.065 χ^2/NDF: 3881136.0/46

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 588.337+/-0.087 χ^2/NDF:4979256.5/38

Out: 595.457+/-0.086 χ^2/NDF:5217075.9/42

All: 591.920+/-0.061 χ^2/NDF: 10199699.5/81



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: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.843+/-12.765 χ^2/NDF: 75.7/46

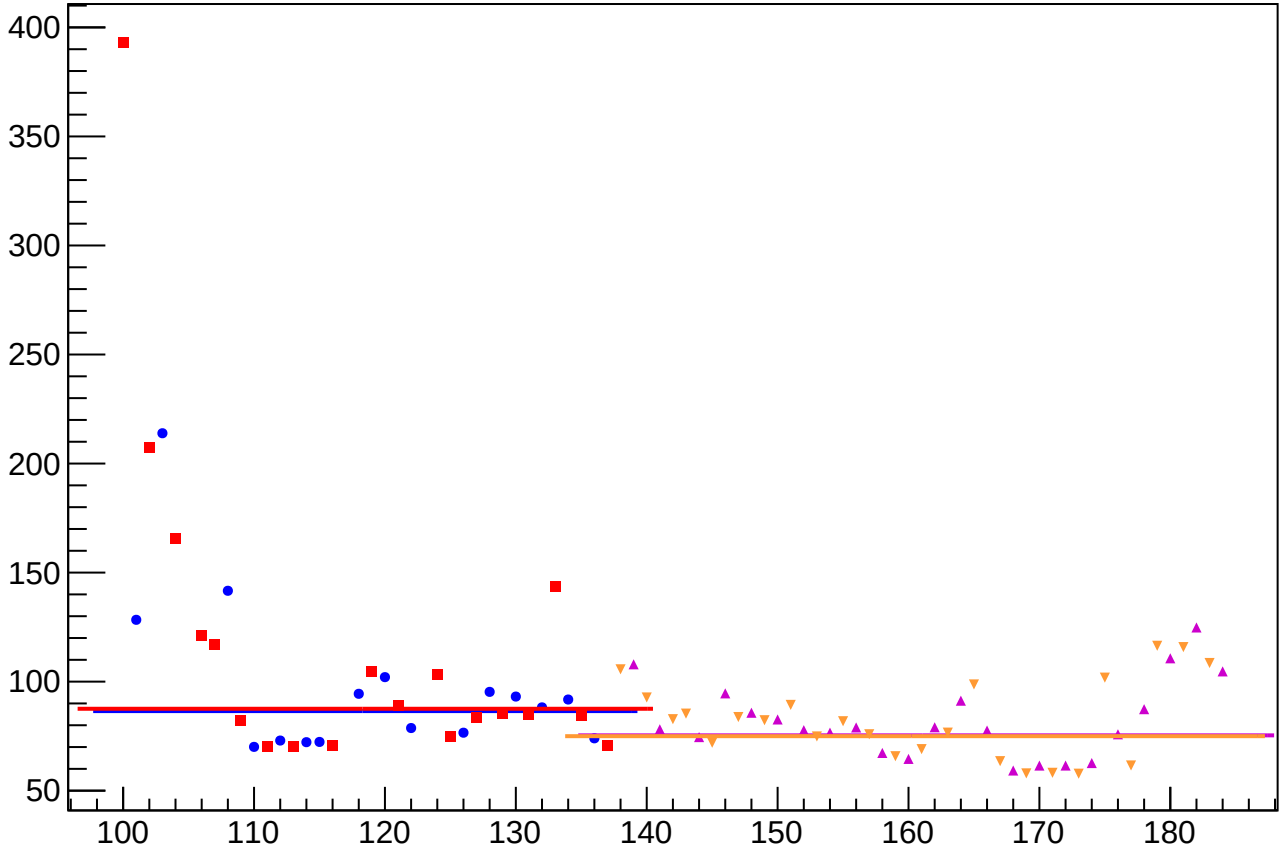
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 52.950+/-16.072 χ^2/NDF:61.9/38

Out: 63.697+/-15.803 χ^2/NDF:69.4/42

All: 58.415+/-11.268 χ^2/NDF: 131.6/81

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: 75.363+/-0.013 χ^2/NDF:1225318.4/22

Left: 75.170+/-0.009 χ^2/NDF: 2815135.5/46

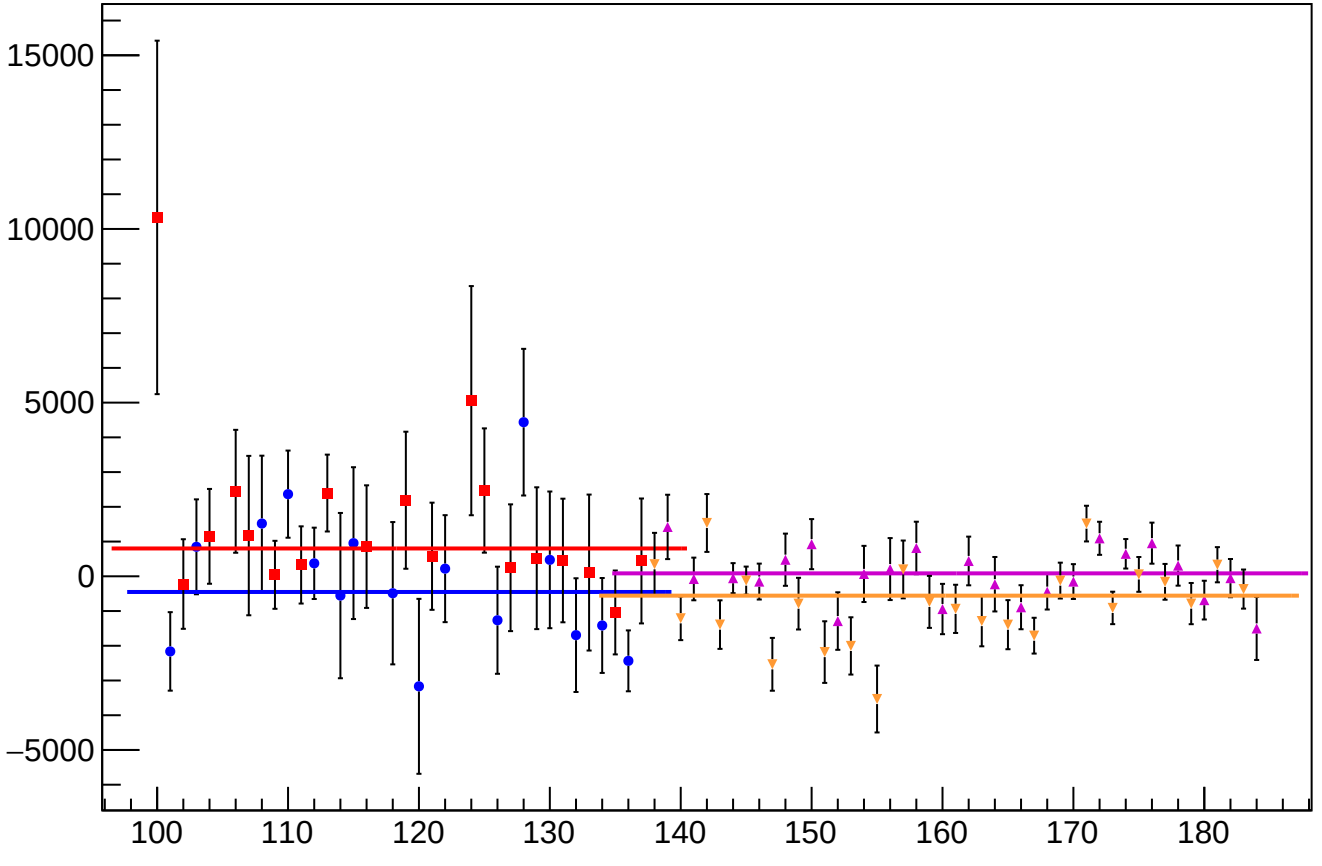
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 77.884+/-0.011 χ^2/NDF:2249561.0/38

Out: 77.690+/-0.011 χ^2/NDF:2932747.9/42

All: 77.786+/-0.008 χ^2/NDF: 5182457.6/81

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: 84.668+/-127.039 χ^2/NDF:27.5/22

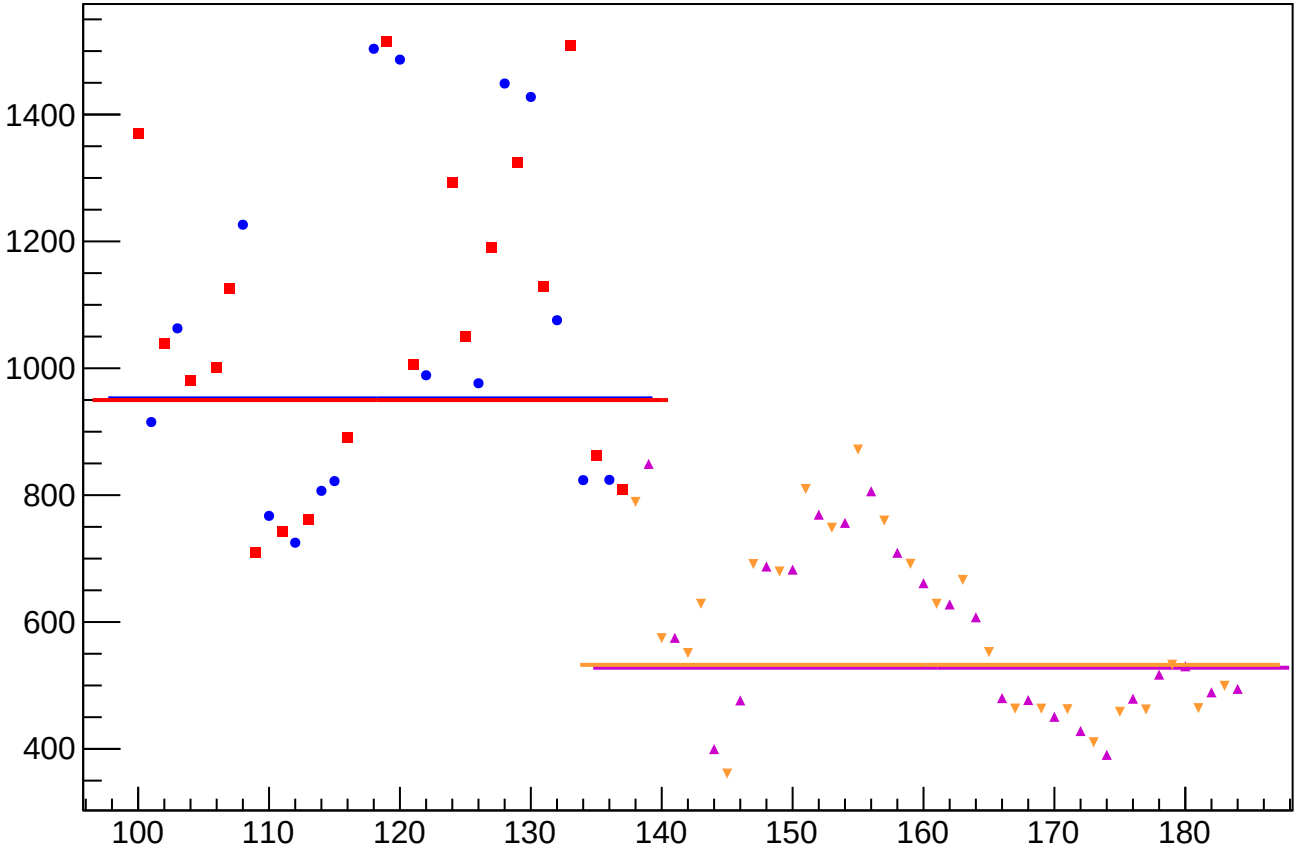
Left: -240.209+/-89.282 χ^2/NDF: 105.8/46

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: 26.918+/-120.001 χ^2/NDF:53.1/38

Out: -408.493+/-118.430 χ^2/NDF:91.9/42

All: -193.656+/-84.293 χ^2/NDF: 151.6/81



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: 527.986+/-0.090 χ^2/NDF:1800455.5/22

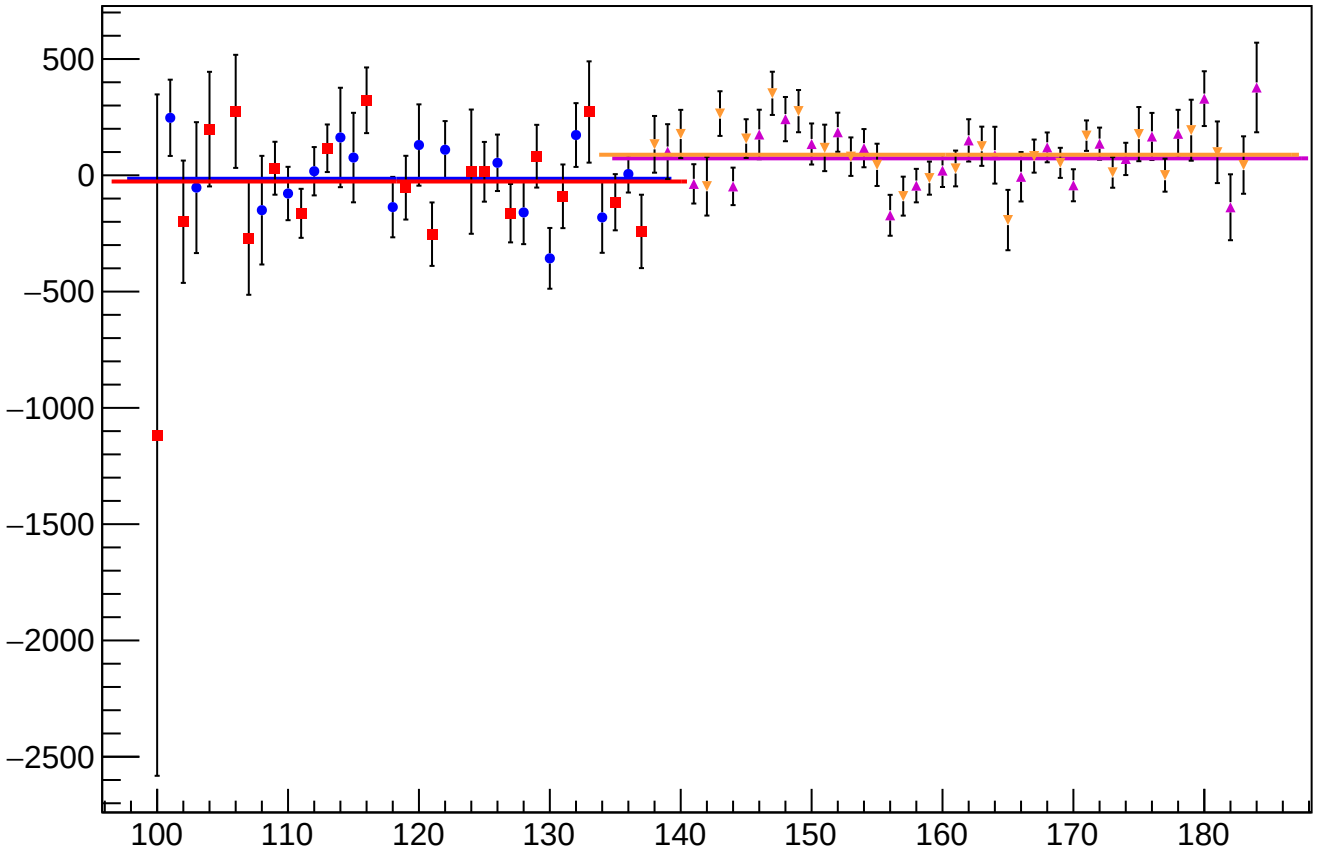
Left: 530.263+/-0.063 χ^2/NDF: 3836551.5/46

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 573.725+/-0.085 χ^2/NDF:4953318.3/38

Out: 578.199+/-0.084 χ^2/NDF:5209376.3/42

All: 575.992+/-0.060 χ^2/NDF: 10164103.1/81



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: 72.848+/-18.276 χ^2/NDF:38.4/22

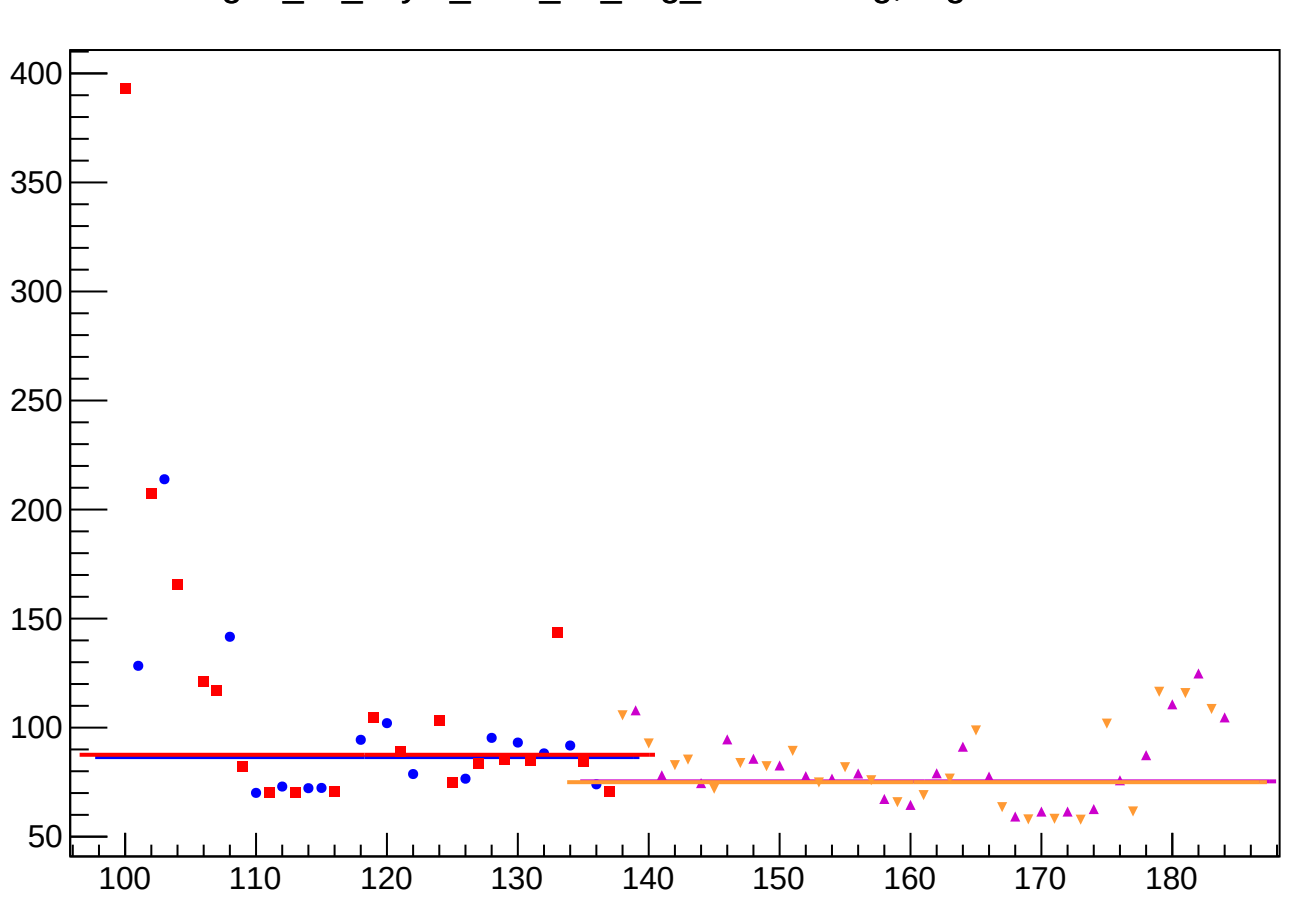
Left: 80.843+/-12.765 χ^2/NDF: 75.7/46

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

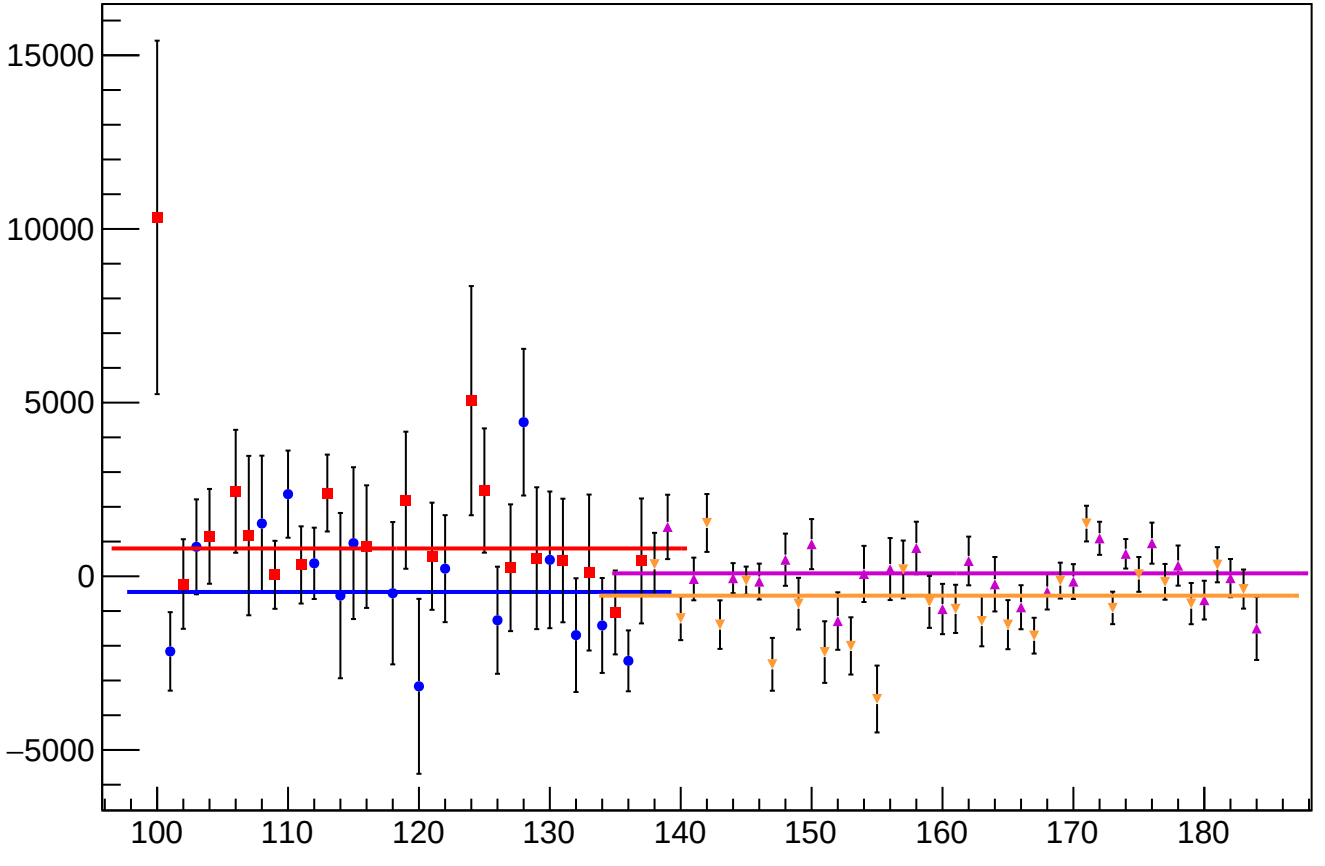
In: 52.950+/-16.072 χ^2/NDF:61.9/38

Out: 63.697+/-15.803 χ^2/NDF:69.4/42

All: 58.414+/-11.268 χ^2/NDF: 131.6/81


eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected
400
350
300
250
200
150
100
50
100
110
120
130
140
150
160
170
180
Right In: 86.489+/-0.024 χ²/NDF: 856249.6/15
Left Out: 74.987+/-0.013 χ²/NDF:1589384.0/23
Right Out: 87.555+/-0.024 χ²/NDF: 1129791.7/18
Left In: 75.363+/-0.013 χ²/NDF:1225319.2/22
Left: 75.171+/-0.009 χ²/NDF: 2815137.3/46
Right: 87.017+/-0.017 χ²/NDF: 1987028.5/34
In: 77.885+/-0.011 χ²/NDF:2249556.7/38
Out: 77.690+/-0.011 χ²/NDF:2932751.5/42
All: 77.786+/-0.008 χ²/NDF: 5182456.7/81

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: 84.668+/-127.039 χ^2/NDF:27.5/22

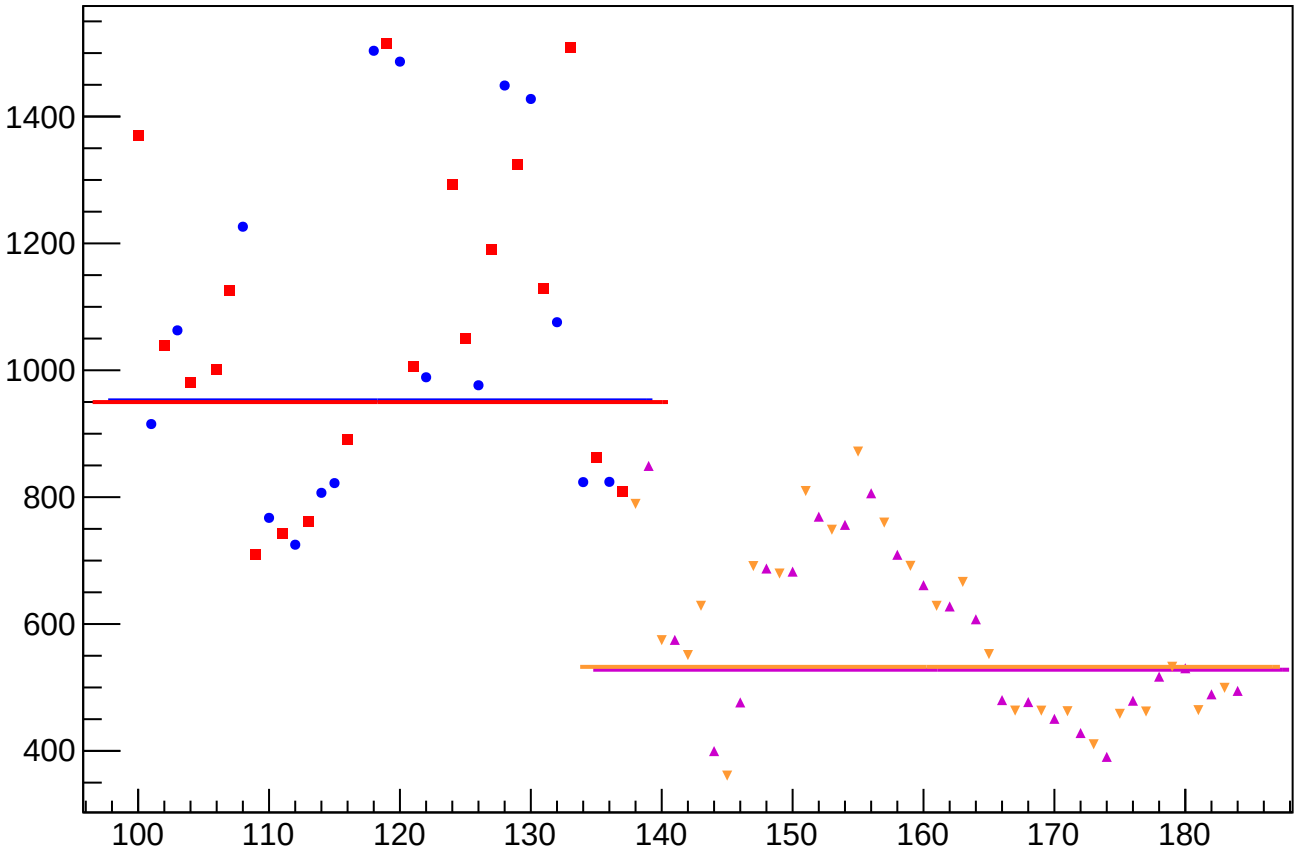
Left: -240.210+/-89.282 χ^2/NDF: 105.8/46

Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: 26.918+/-120.001 χ^2/NDF:53.1/38

Out: -408.493+/-118.430 χ^2/NDF:91.9/42

All: -193.656+/-84.293 χ^2/NDF: 151.6/81



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: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 530.263+/-0.063 χ^2/NDF: 3836540.7/46

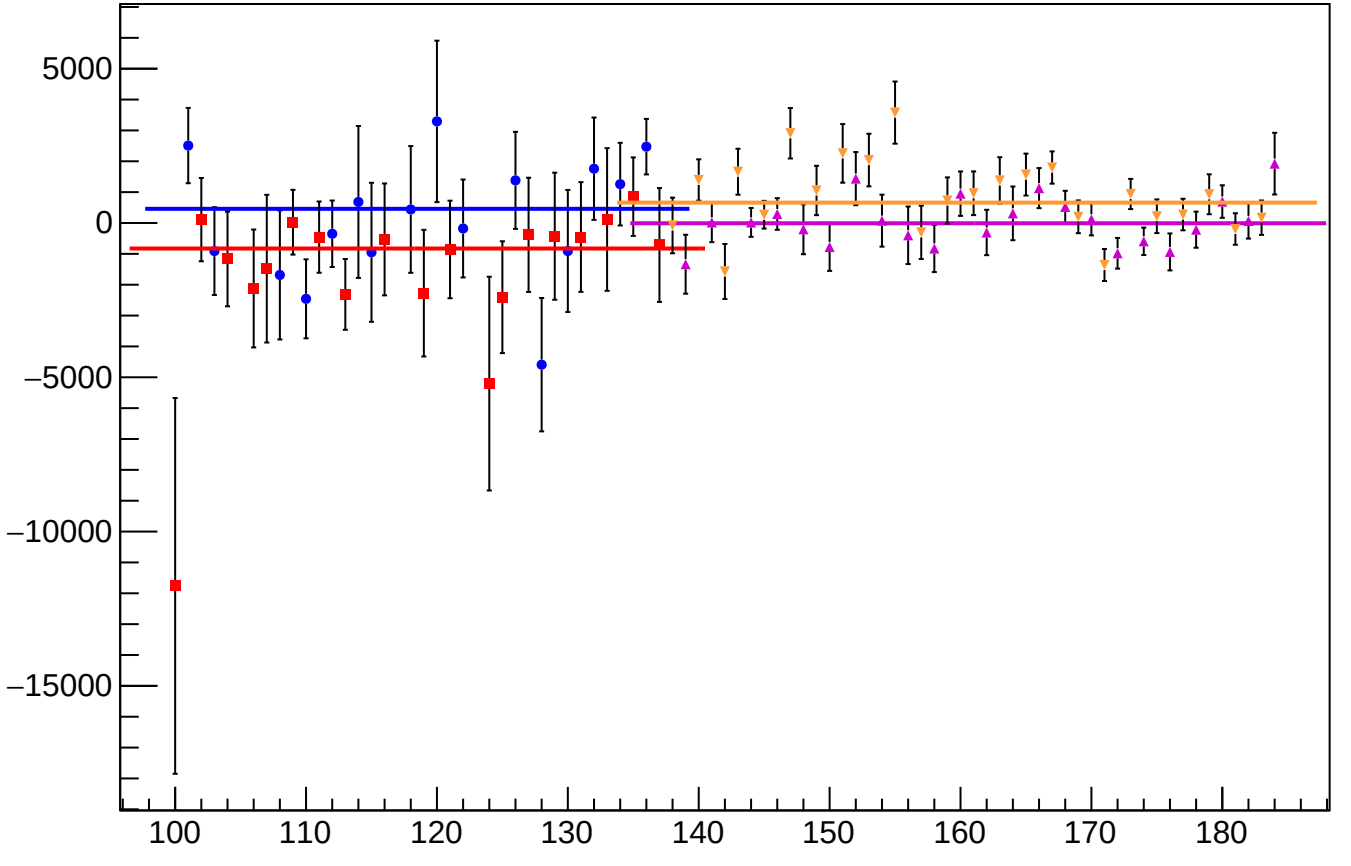
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 573.725+/-0.085 χ^2/NDF:4953305.2/38

Out: 578.199+/-0.084 χ^2/NDF:5209361.7/42

All: 575.991+/-0.060 χ^2/NDF: 10164075.3/81

asym_sam_37_avg_mean vs Slug, Sign Corrected



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: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 328.271+/-92.525 χ^2/NDF: 102.9/46

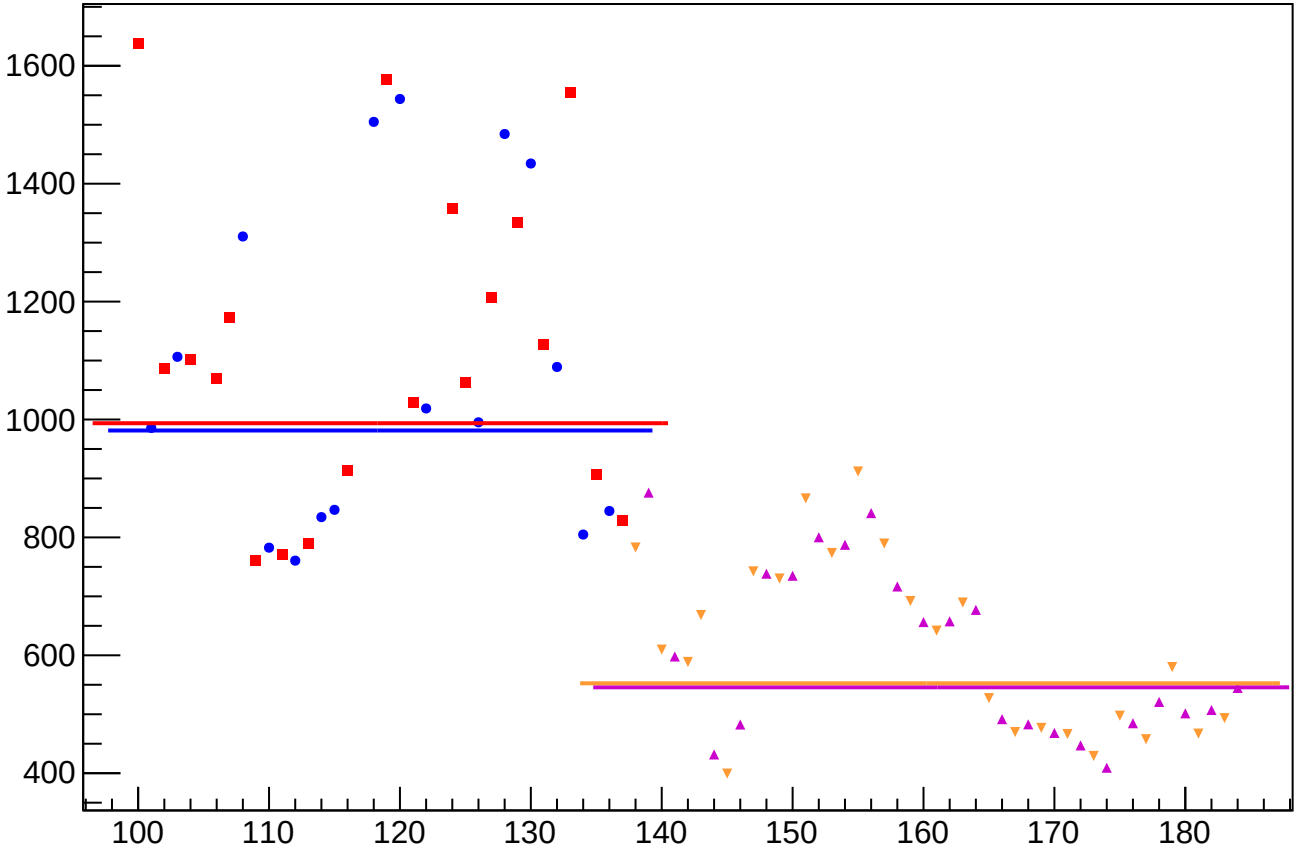
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 42.145+/-123.982 χ^2/NDF:53.3/38

Out: 499.505+/-123.152 χ^2/NDF:88.2/42

All: 272.360+/-87.373 χ^2/NDF: 148.4/81

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: 545.708+/-0.093 χ^2/NDF:1814508.3/22

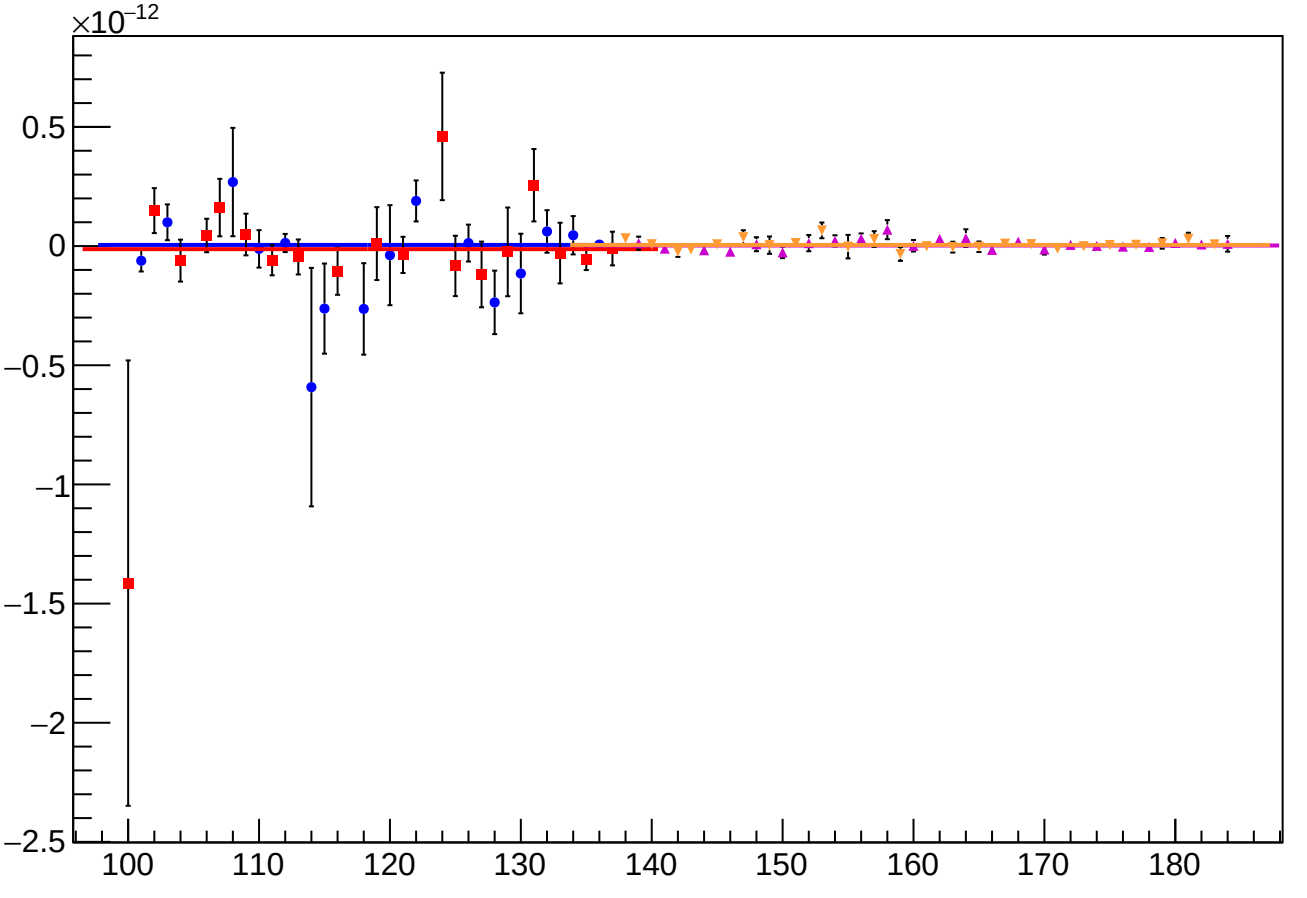
Left: 549.139+/-0.065 χ^2/NDF: 3825215.7/46

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 592.855+/-0.088 χ^2/NDF:4935292.9/38

Out: 600.295+/-0.087 χ^2/NDF:5206012.7/42

All: 596.600+/-0.062 χ^2/NDF: 10144931.3/81



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:20.0/22

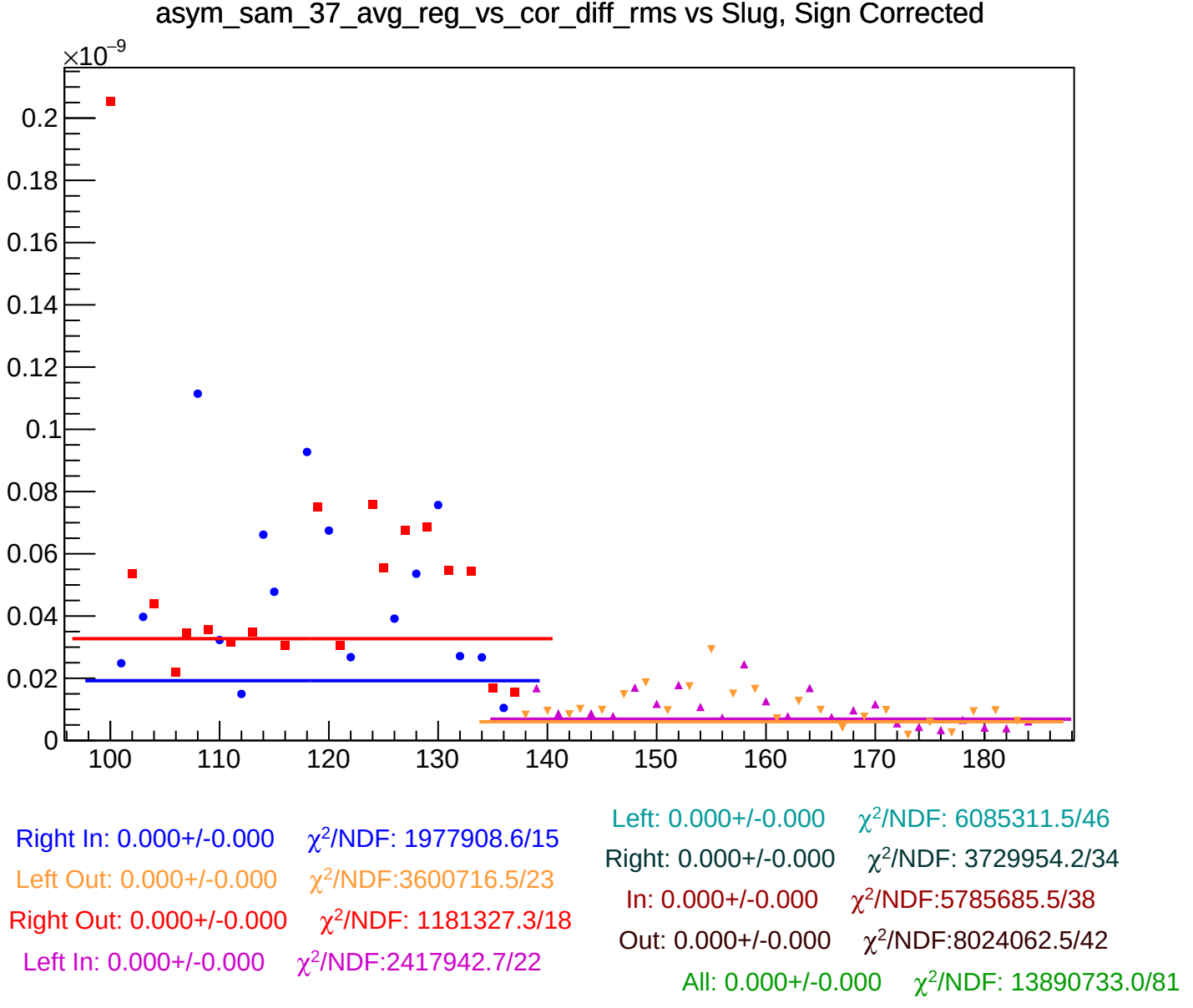
Left: 0.000+/-0.000 χ^2/NDF: 35.7/46

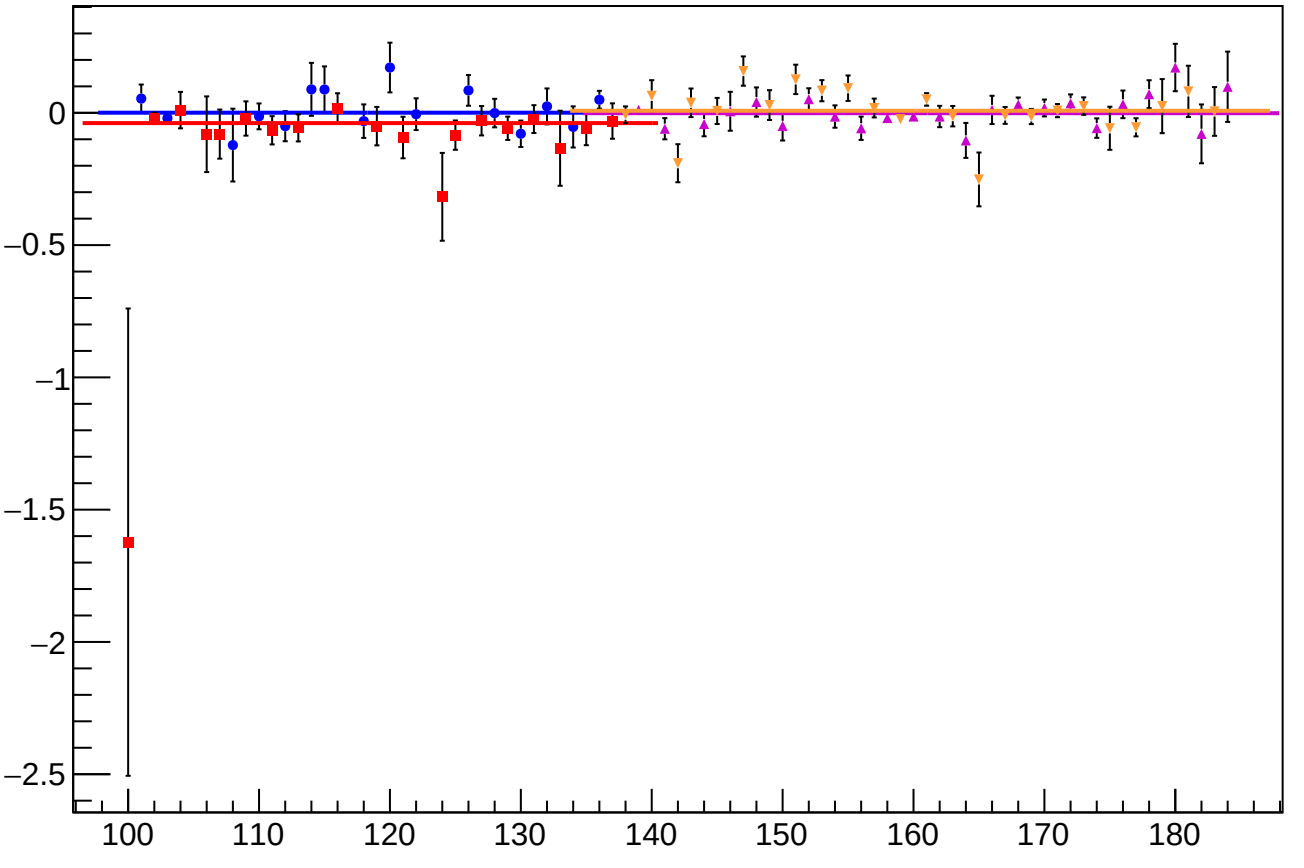
Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:39.7/38

Out: 0.000+/-0.000 χ^2/NDF:34.6/42

All: 0.000+/-0.000 χ^2/NDF: 74.4/81


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3600716.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:2417942.7/22
Left: 0.000+/-0.000 χ²/NDF: 6085311.5/46
Right: 0.000+/-0.000 χ²/NDF: 3729954.2/34
In: 0.000+/-0.000 χ²/NDF:5785685.5/38
Out: 0.000+/-0.000 χ²/NDF:8024062.5/42
All: 0.000+/-0.000 χ²/NDF: 13890733.0/81



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: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.4/46

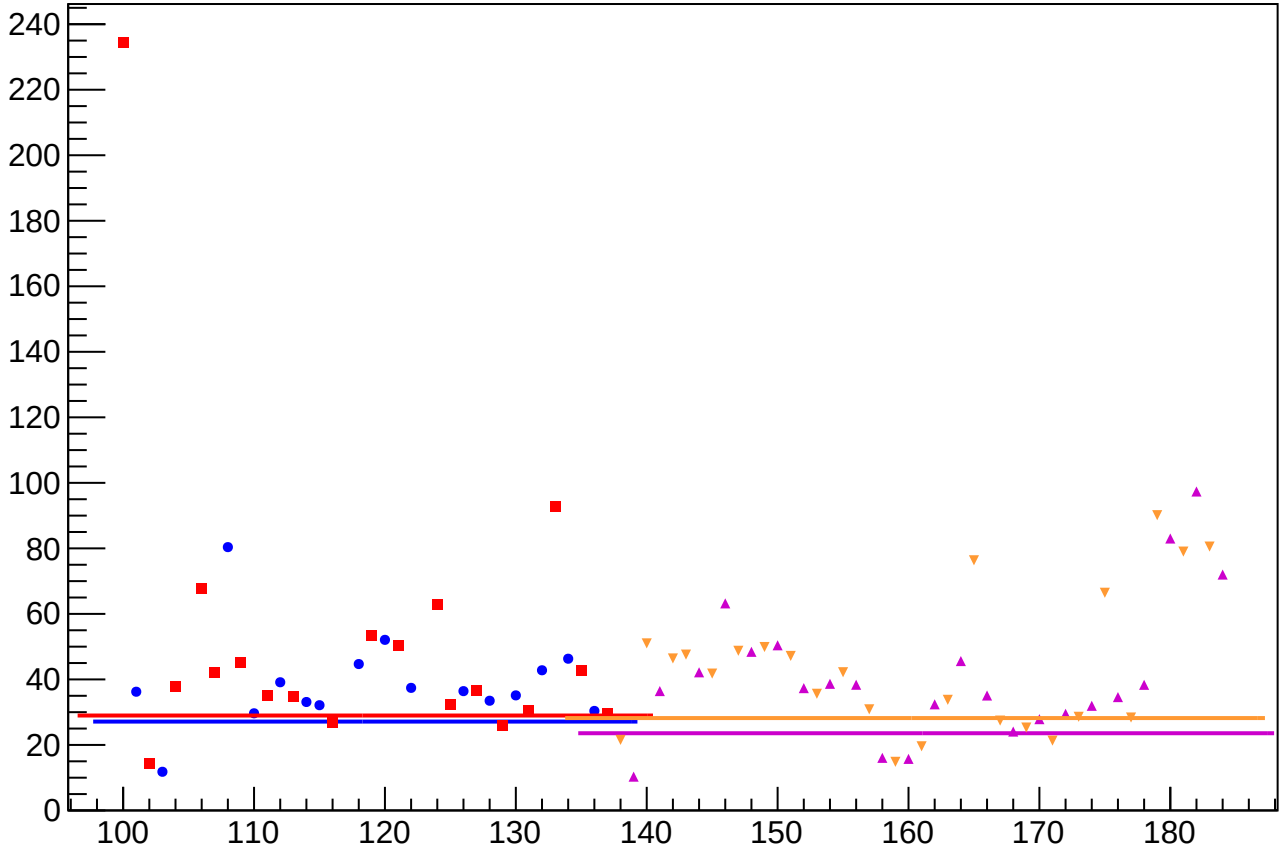
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:41.7/38

Out: -0.005+/-0.007 χ^2/NDF:68.5/42

All: -0.003+/-0.004 χ^2/NDF: 110.3/81

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: 23.572+/-0.005 χ^2/NDF:8263833.7/22

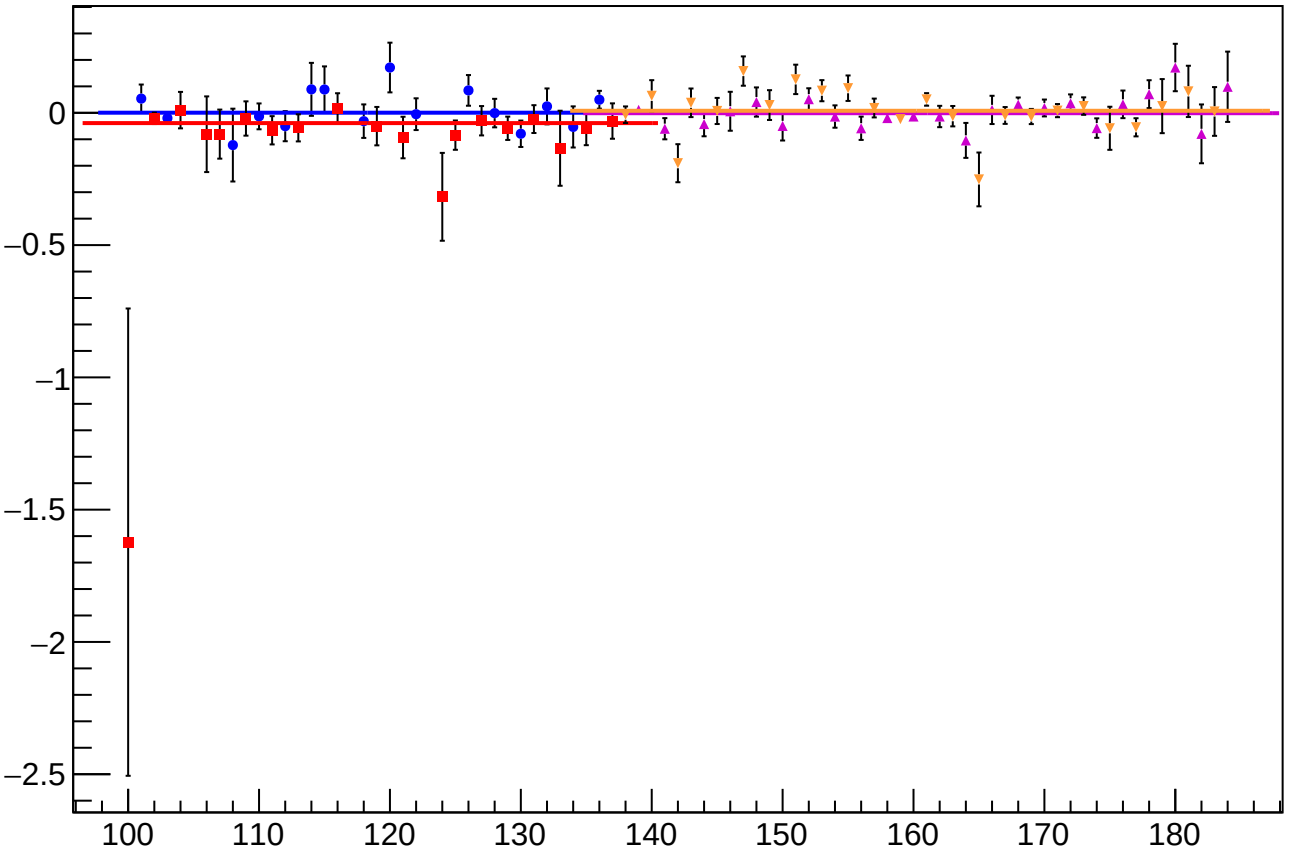
Left: 25.635+/-0.004 χ^2/NDF: 15272494.7/46

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 24.434+/-0.004 χ^2/NDF:10811492.1/38

Out: 28.406+/-0.005 χ^2/NDF:9058227.1/42

All: 26.235+/-0.003 χ^2/NDF: 20277384.8/81



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: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.4/46

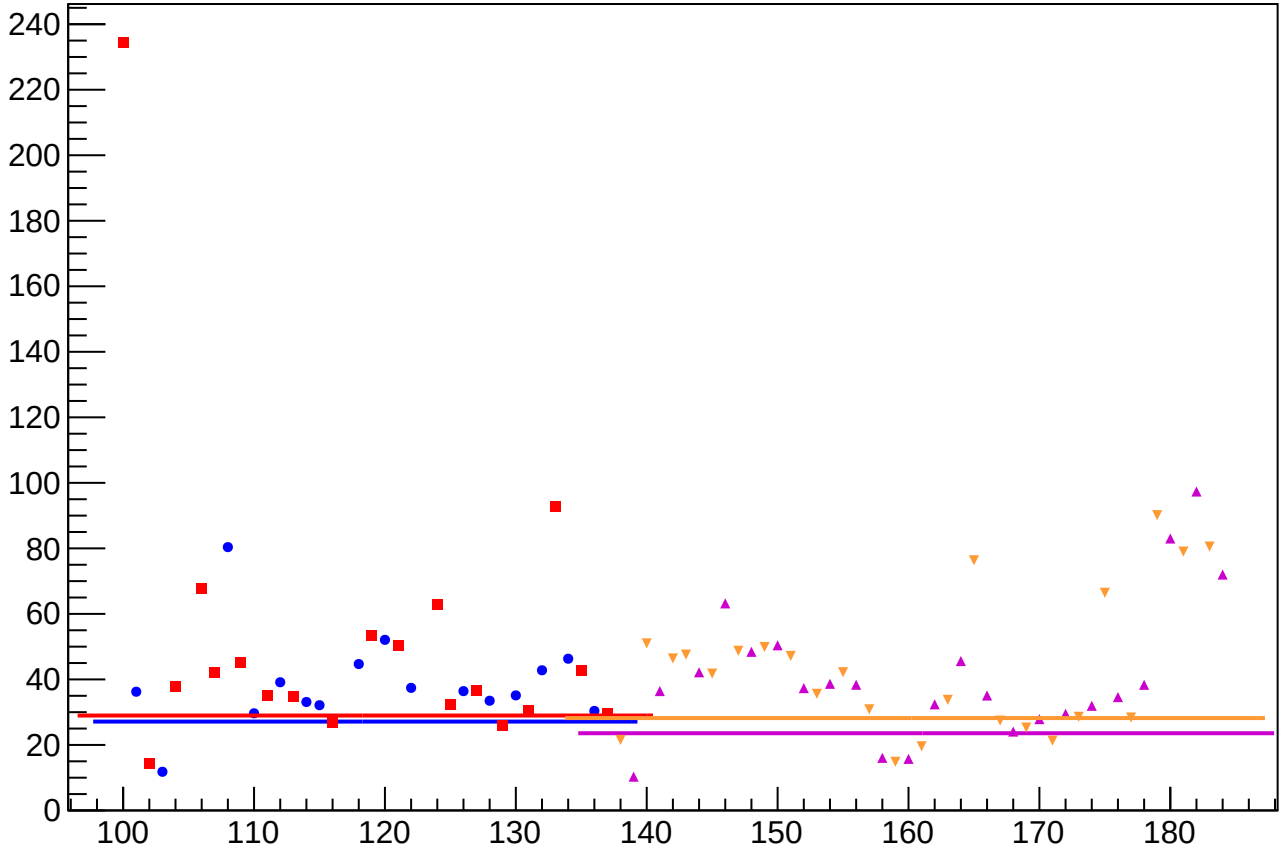
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:41.7/38

Out: -0.005+/-0.007 χ^2/NDF:68.5/42

All: -0.003+/-0.004 χ^2/NDF: 110.3/81

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: 23.572+/-0.005 χ^2/NDF:8263833.7/22

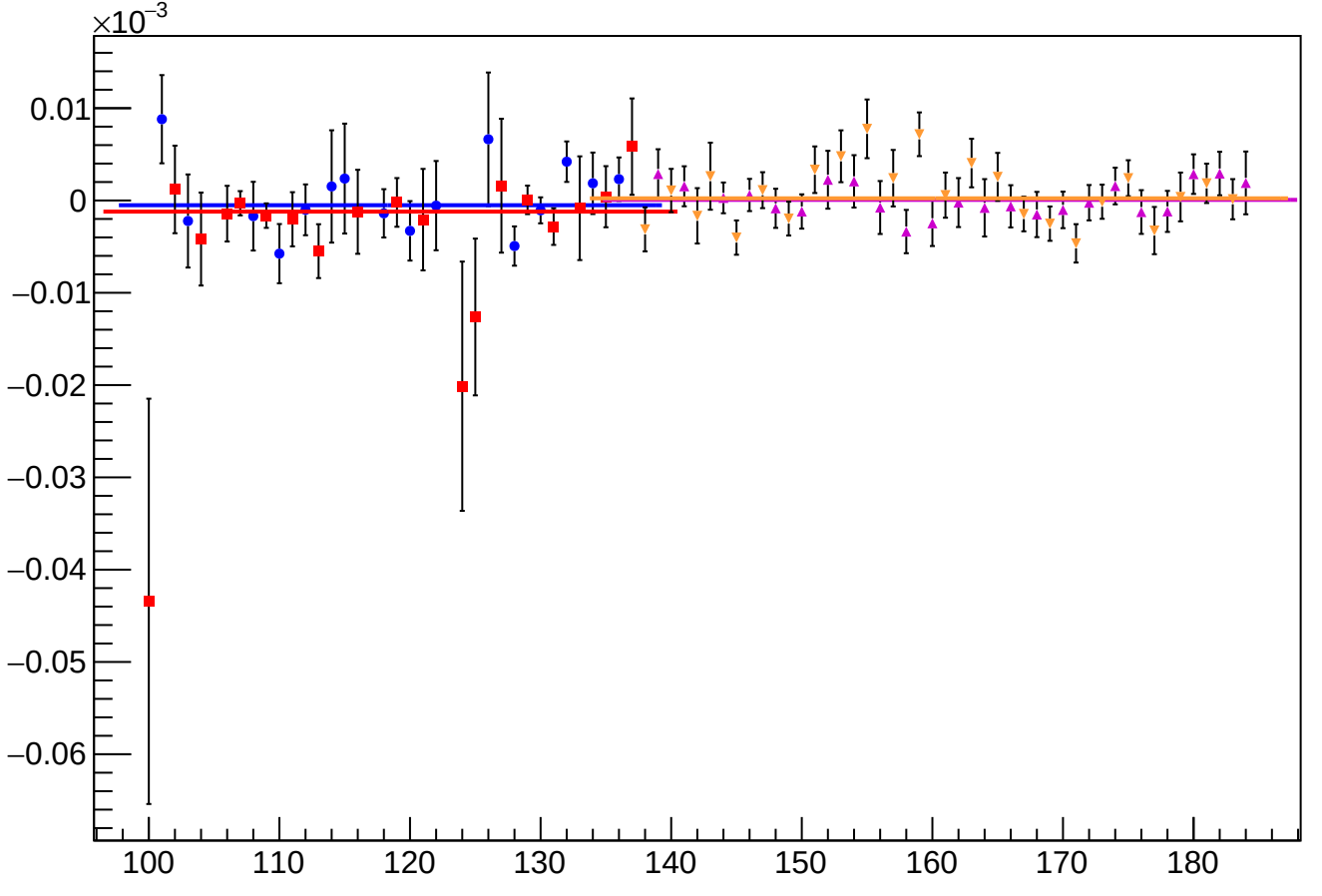
Left: 25.635+/-0.004 χ^2/NDF: 15272494.7/46

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 24.434+/-0.004 χ^2/NDF:10811492.1/38

Out: 28.406+/-0.005 χ^2/NDF:9058227.1/42

All: 26.235+/-0.003 χ^2/NDF: 20277384.8/81



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:12.1/22

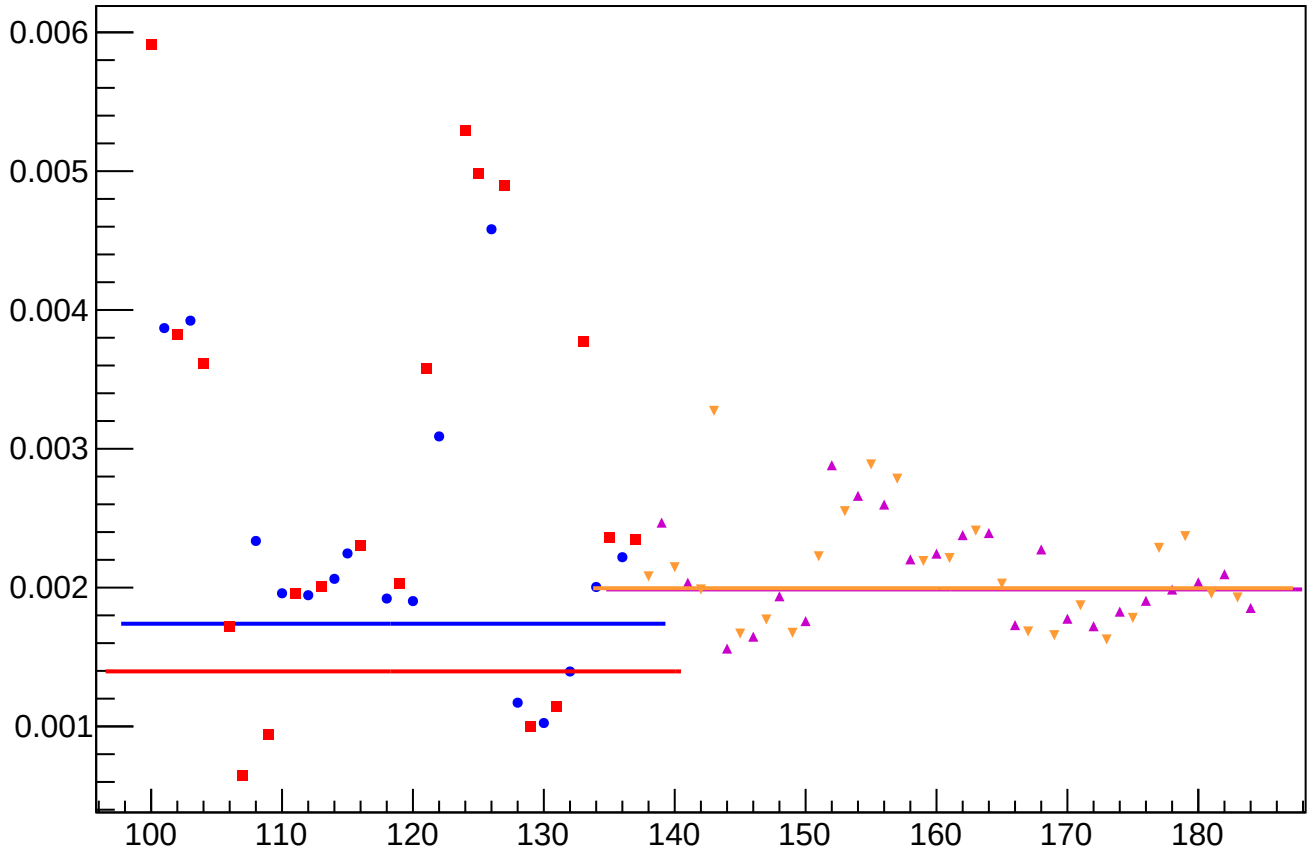
Left: 0.000+/-0.000 χ^2/NDF: 56.1/46

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:32.5/38

Out: -0.000+/-0.000 χ^2/NDF:62.0/42

All: -0.000+/-0.000 χ^2/NDF: 94.7/81



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:924009.7/22

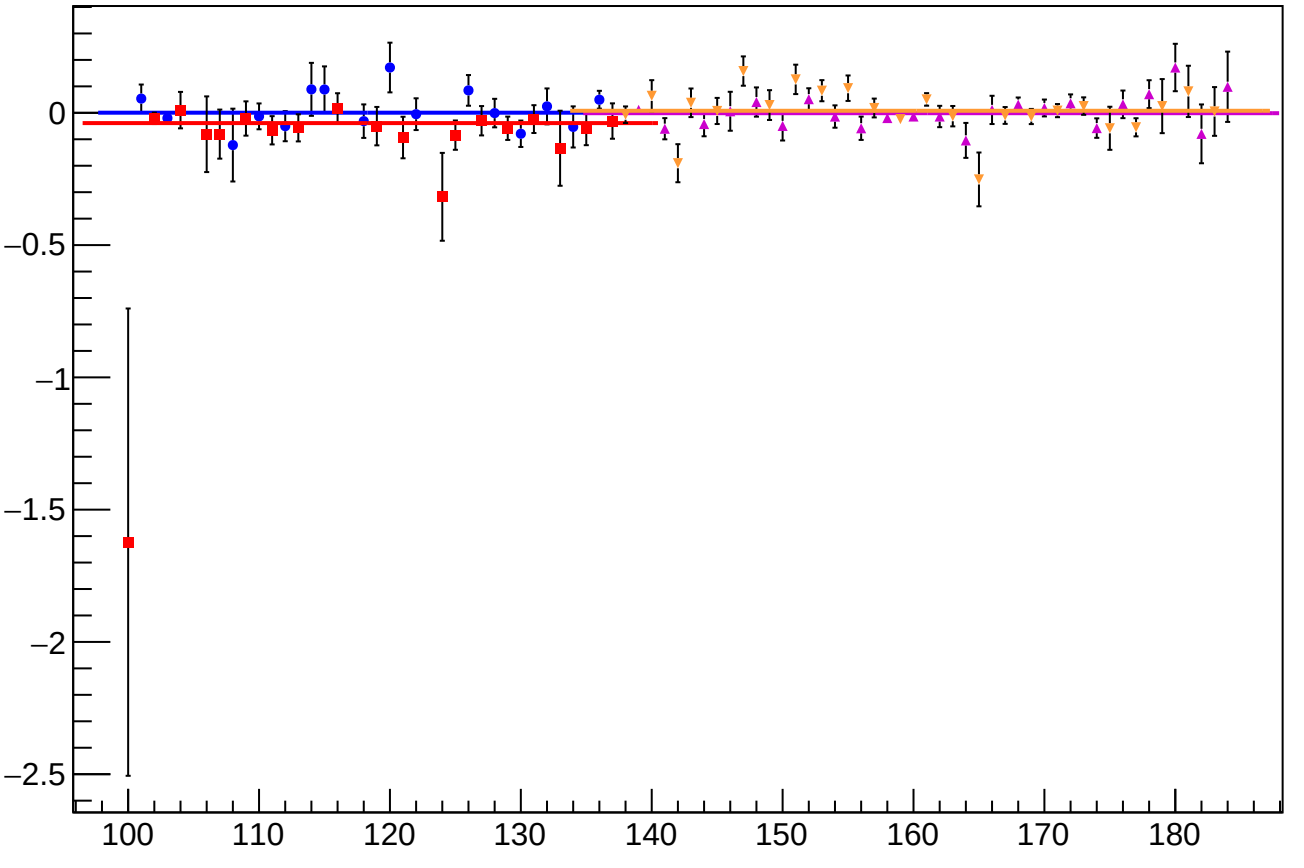
Left: 0.002+/-0.000 χ^2/NDF: 2097502.2/46

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3236889.9/38

Out: 0.002+/-0.000 χ^2/NDF:6710998.7/42

All: 0.002+/-0.000 χ^2/NDF: 10075305.7/81



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: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.4/46

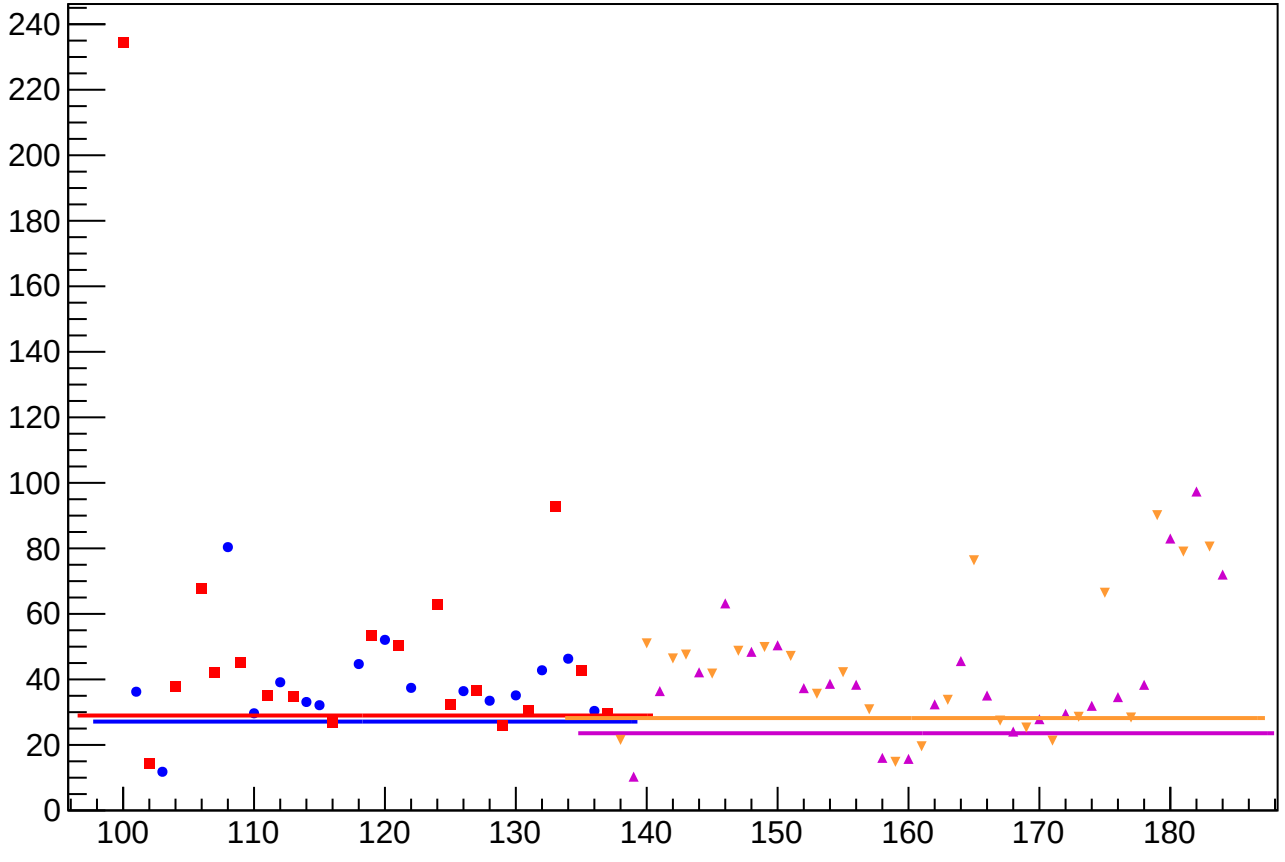
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:41.7/38

Out: -0.005+/-0.007 χ^2/NDF:68.5/42

All: -0.003+/-0.004 χ^2/NDF: 110.3/81

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: 23.571+/-0.005 χ^2/NDF:8264891.4/22

Left: 25.635+/-0.004 χ^2/NDF: 15274158.2/46

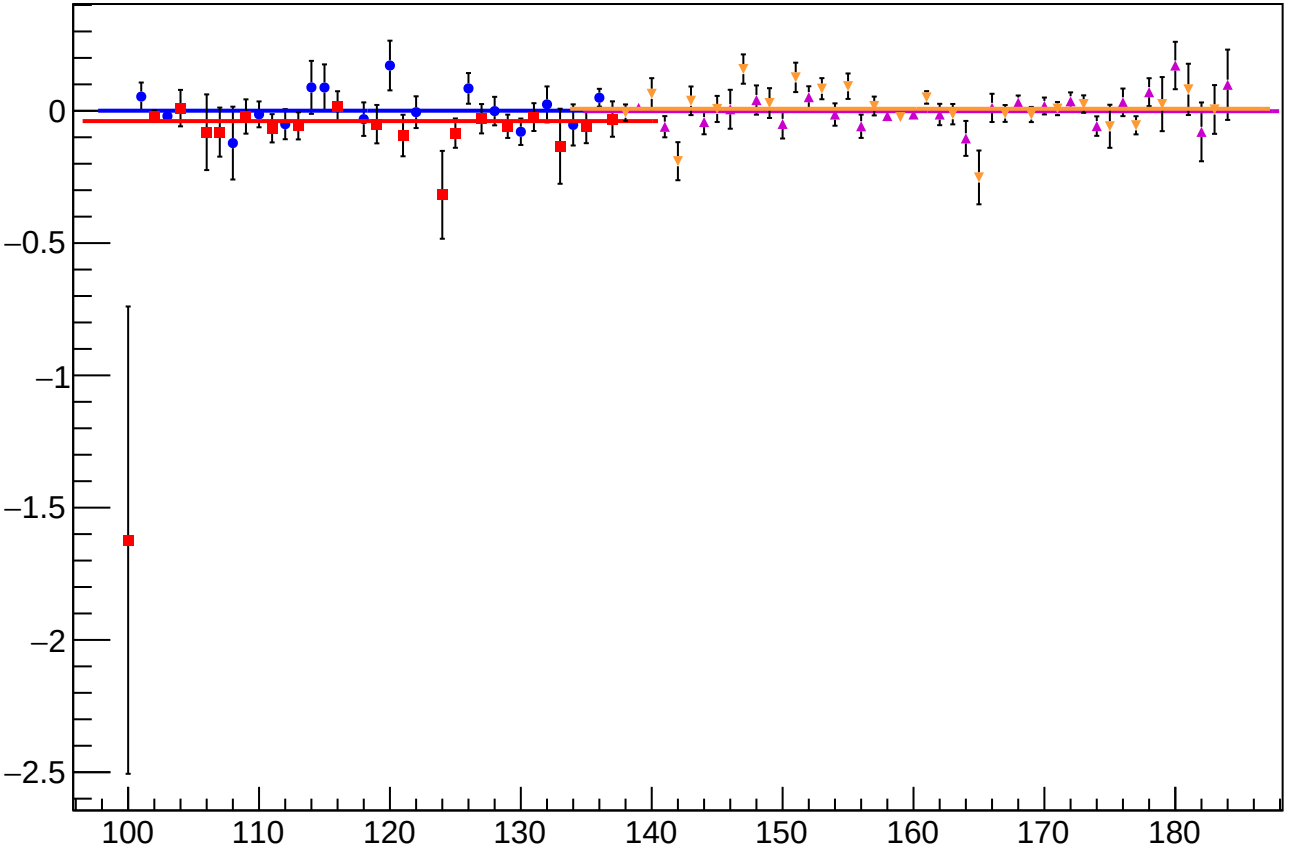
Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 24.433+/-0.004 χ^2/NDF:10812917.2/38

Out: 28.407+/-0.005 χ^2/NDF:9058131.5/42

All: 26.235+/-0.003 χ^2/NDF: 20279024.1/81

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/23

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.4/46

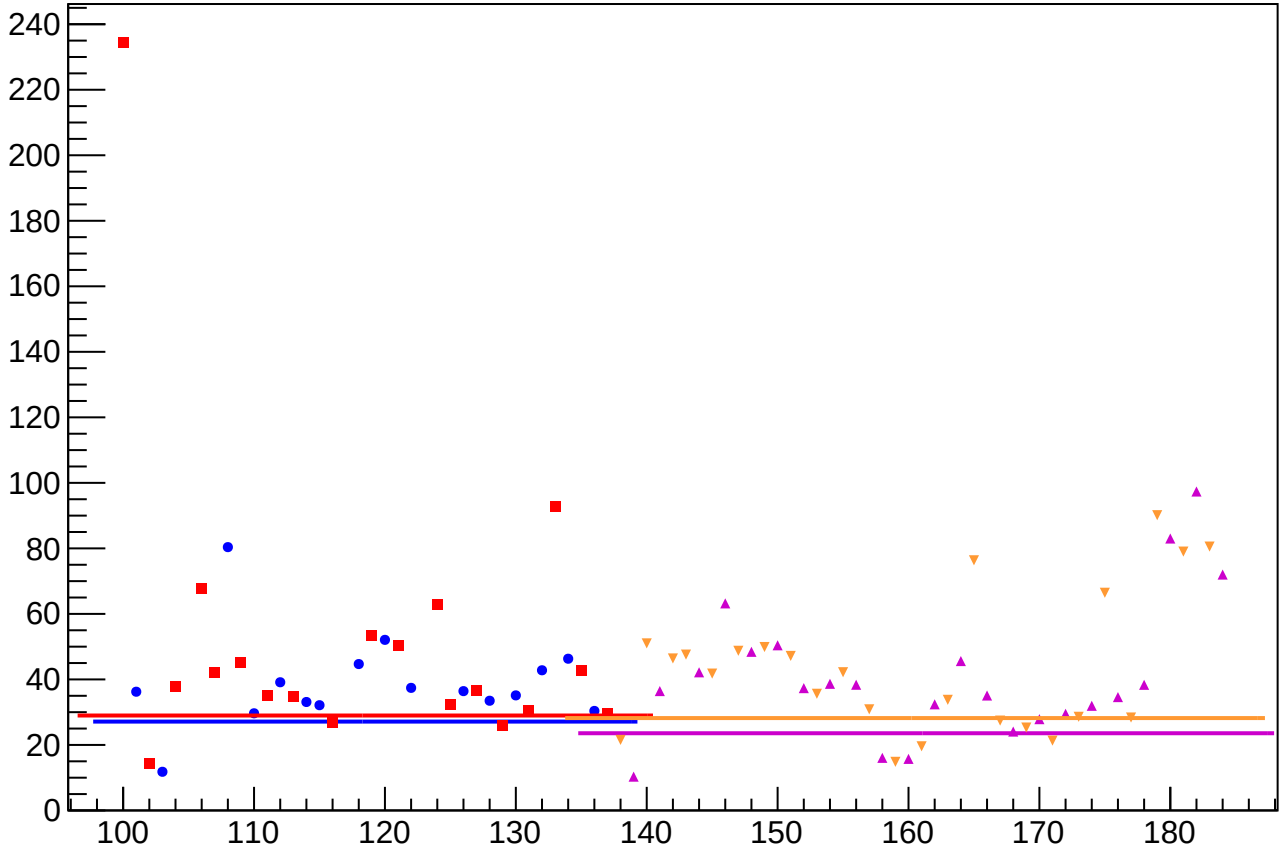
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:41.7/38

Out: -0.005+/-0.007 χ^2/NDF:68.5/42

All: -0.003+/-0.004 χ^2/NDF: 110.3/81

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: 23.571+/-0.005 χ^2/NDF:8264891.4/22

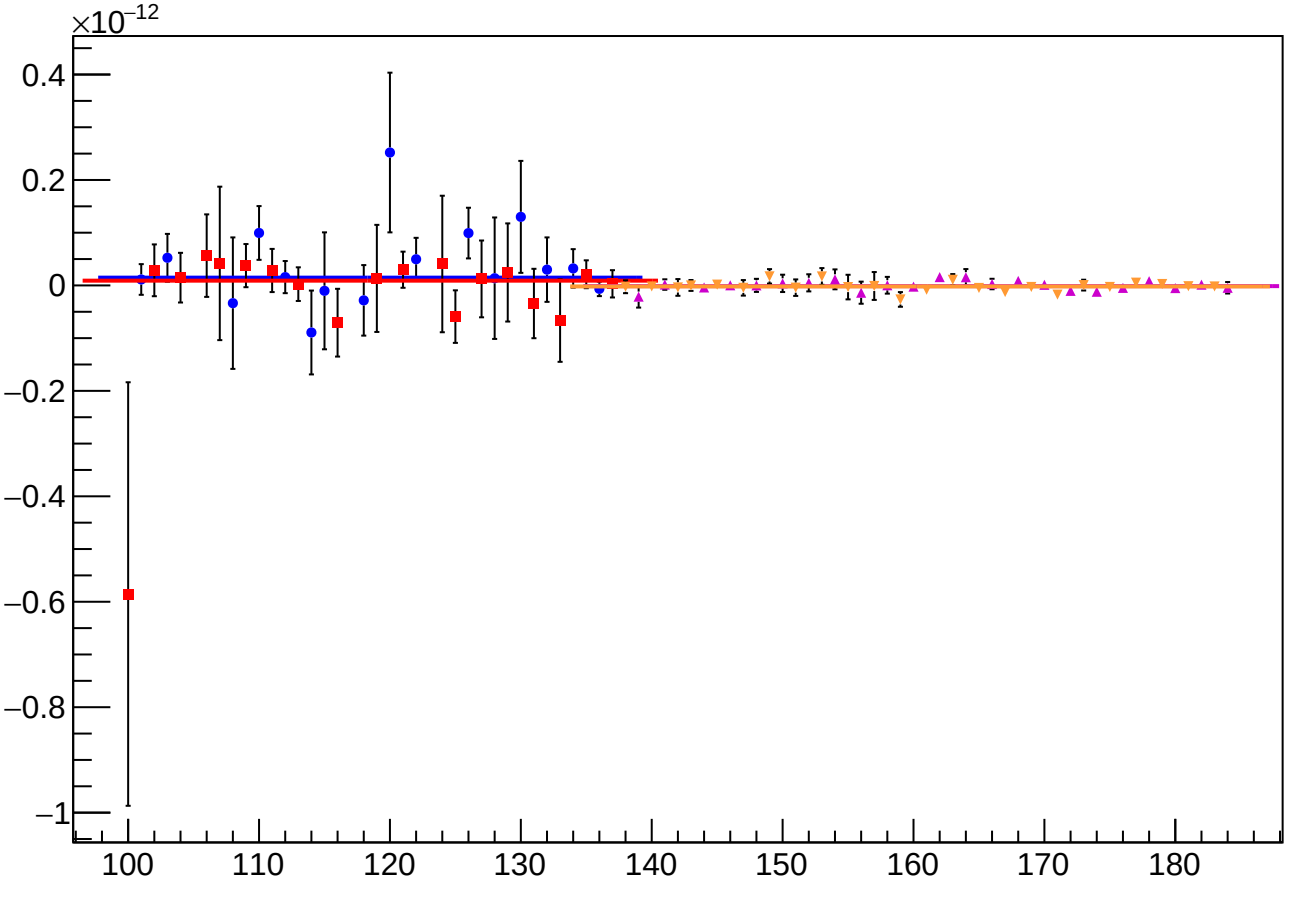
Left: 25.635+/-0.004 χ^2/NDF: 15274158.2/46

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 24.433+/-0.004 χ^2/NDF:10812917.2/38

Out: 28.407+/-0.005 χ^2/NDF:9058131.5/42

All: 26.235+/-0.003 χ^2/NDF: 20279024.1/81



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:15.9/22

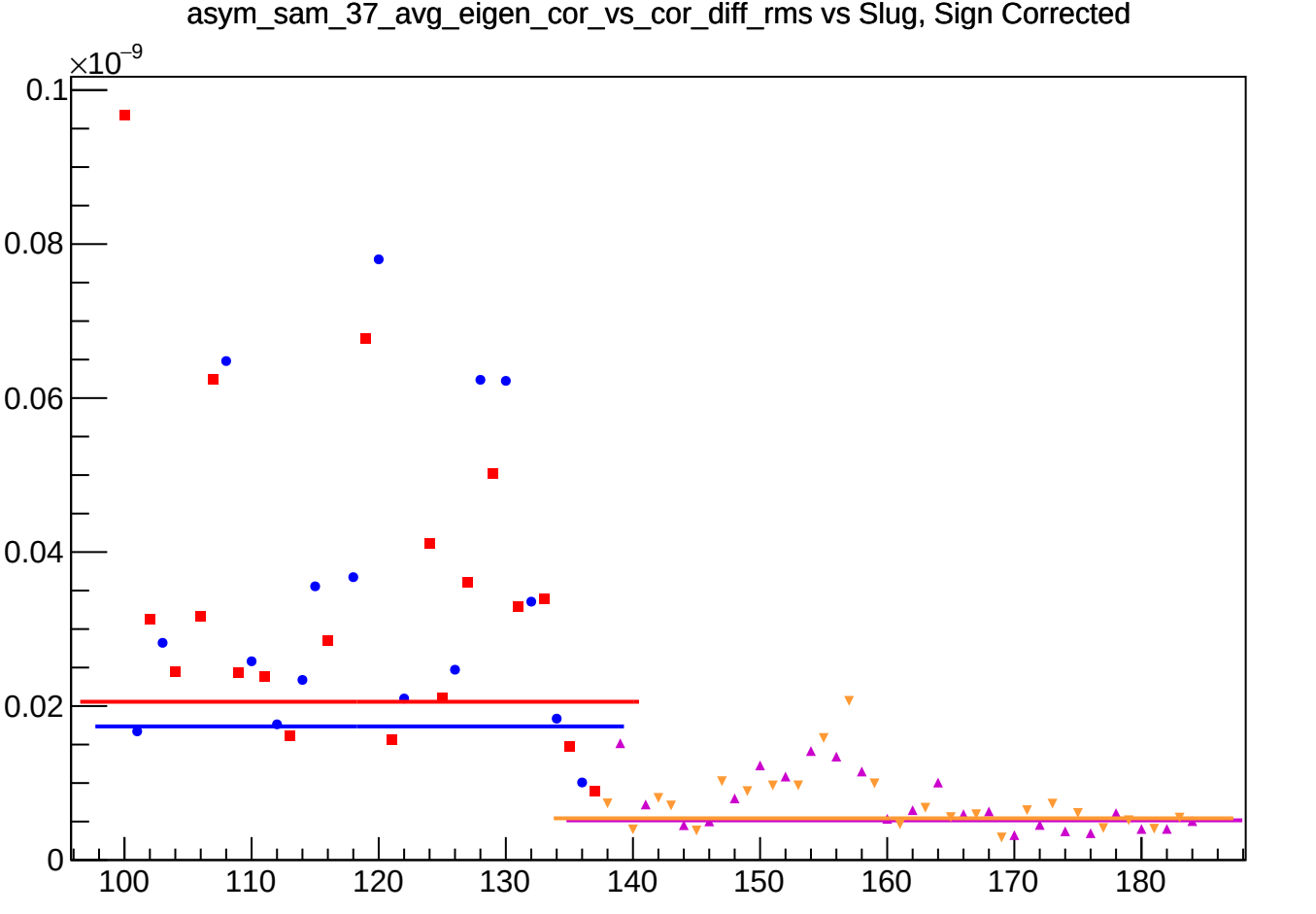
Left: -0.000+/-0.000 χ^2/NDF: 31.4/46

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: -0.000+/-0.000 χ^2/NDF:34.7/38

Out: -0.000+/-0.000 χ^2/NDF:25.5/42

All: -0.000+/-0.000 χ^2/NDF: 60.2/81



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:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6476880.8/46

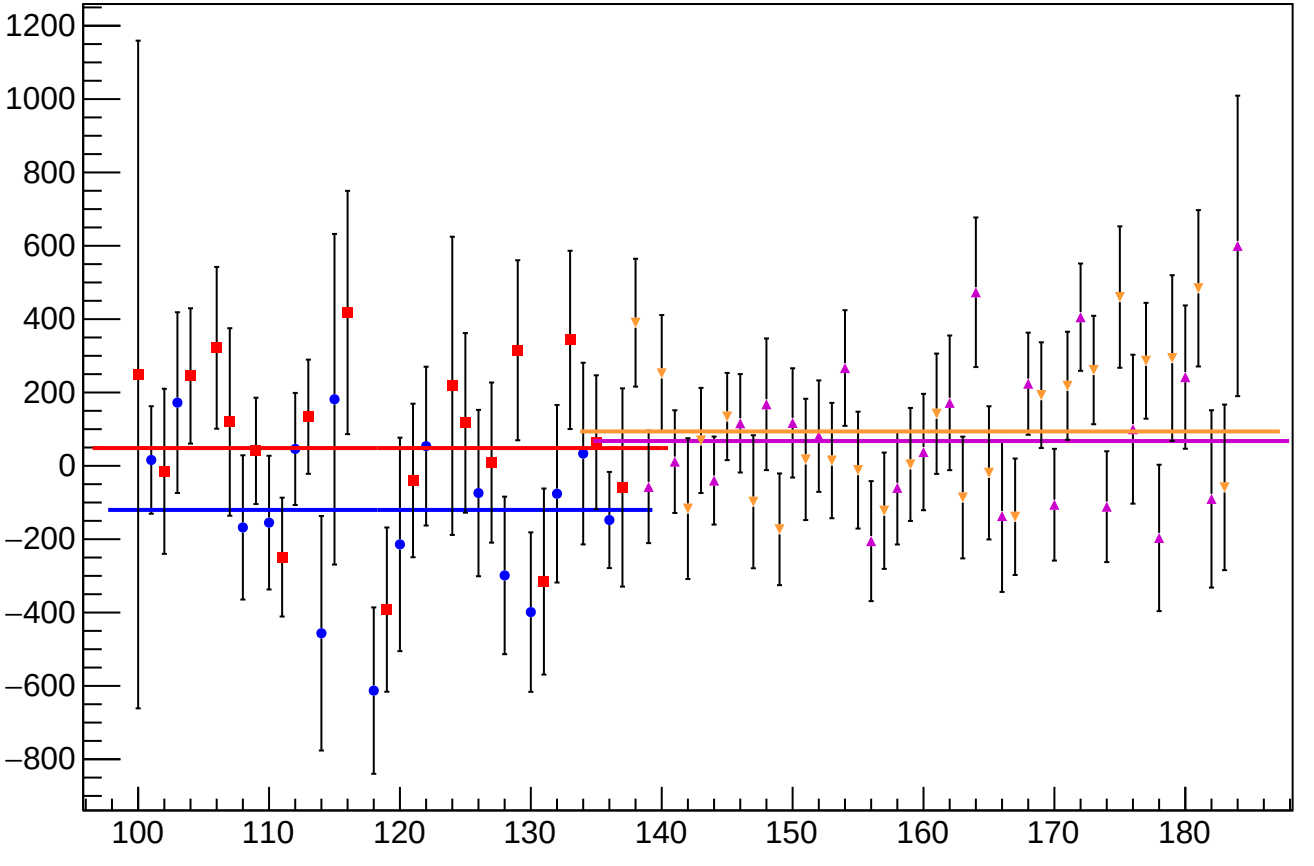
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:9052627.4/38

Out: 0.000+/-0.000 χ^2/NDF:8794891.9/42

All: 0.000+/-0.000 χ^2/NDF: 17869678.5/81

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: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 81.039+/-23.833 χ^2/NDF: 55.3/46

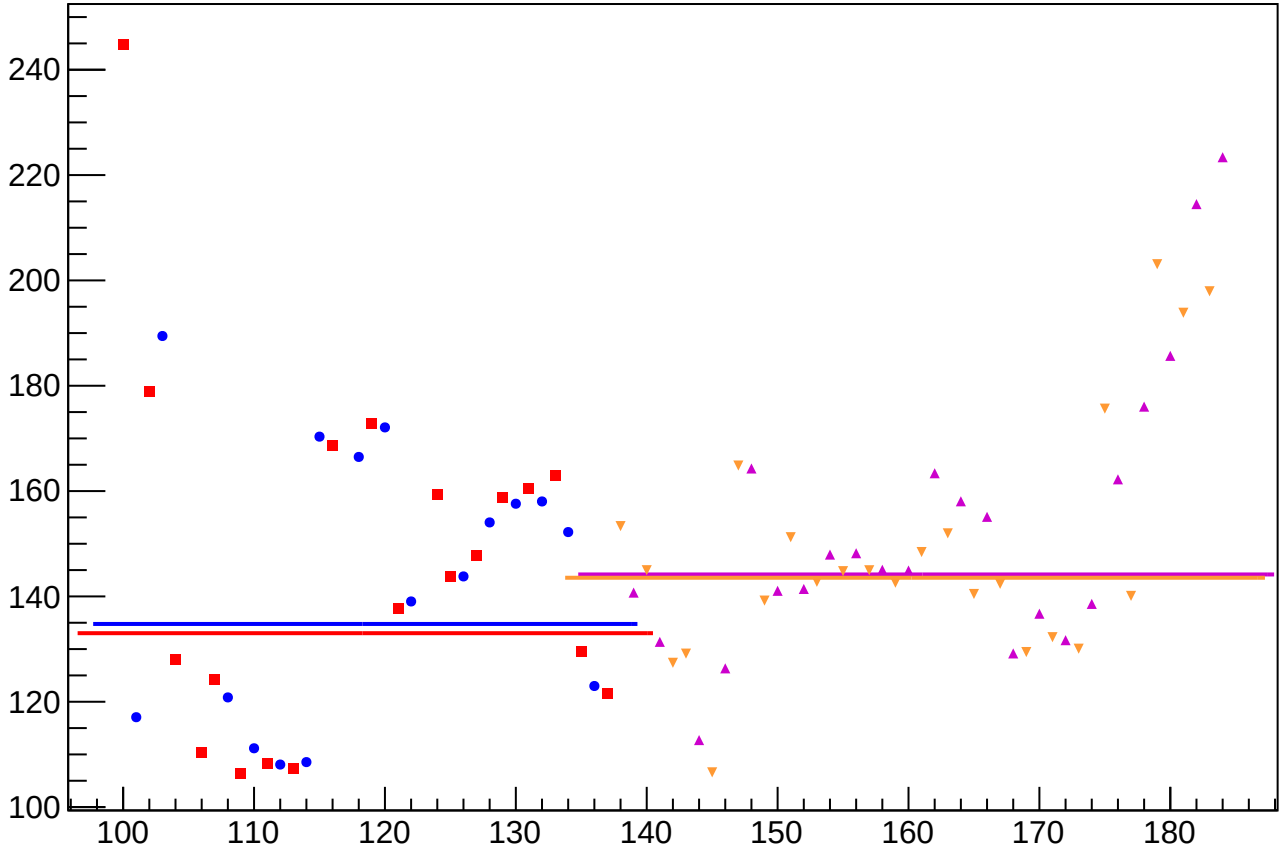
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: 9.700+/-28.386 χ^2/NDF:49.3/38

Out: 79.820+/-27.694 χ^2/NDF:46.1/42

All: 45.626+/-19.823 χ^2/NDF: 98.4/81

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: 144.170+/-0.024 χ^2/NDF:702713.8/22

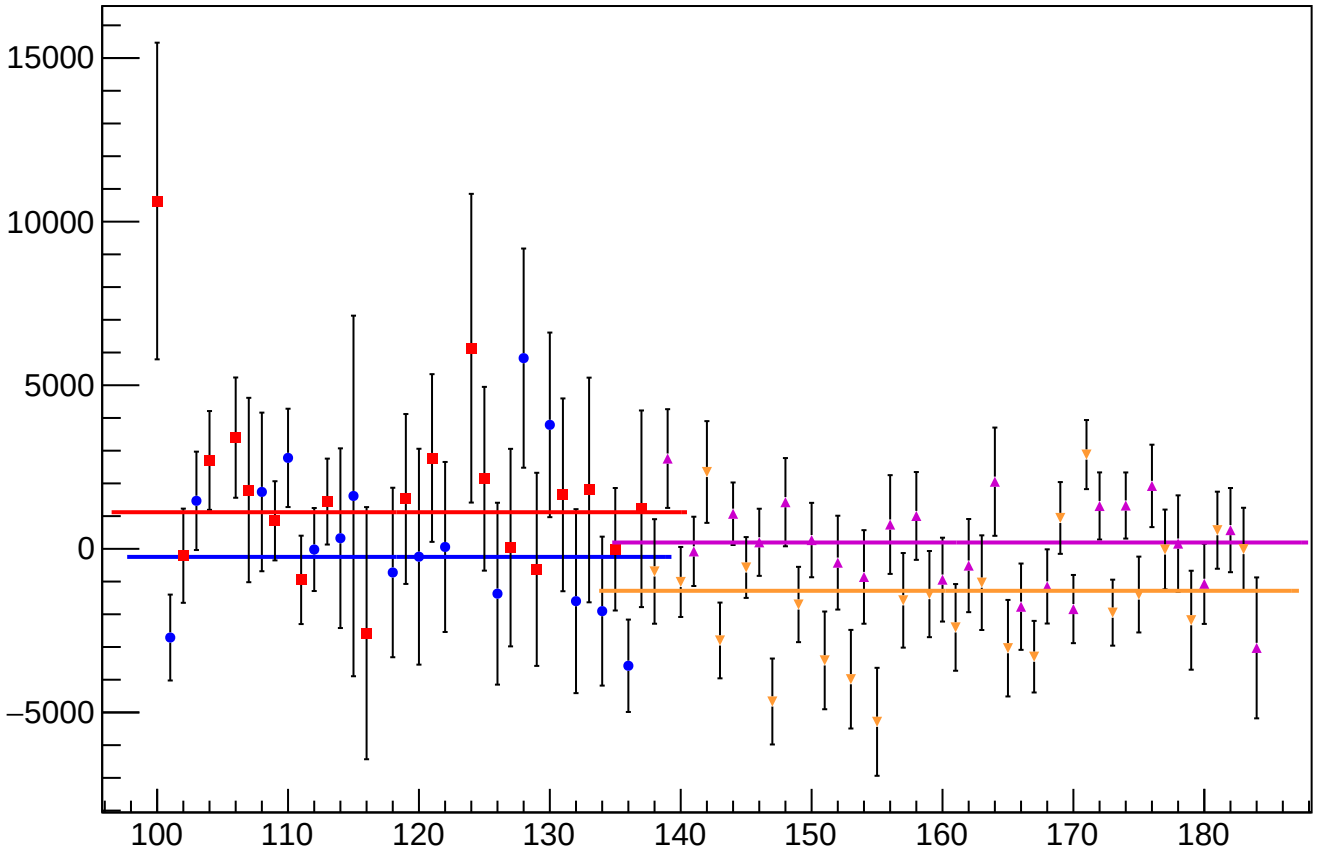
Left: 143.850+/-0.017 χ^2/NDF: 1448879.9/46

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 141.270+/-0.020 χ^2/NDF:1166275.8/38

Out: 140.304+/-0.020 χ^2/NDF:1303098.7/42

All: 140.775+/-0.014 χ^2/NDF: 2470562.1/81



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: 193.805+/-258.922 χ^2/NDF:23.3/22

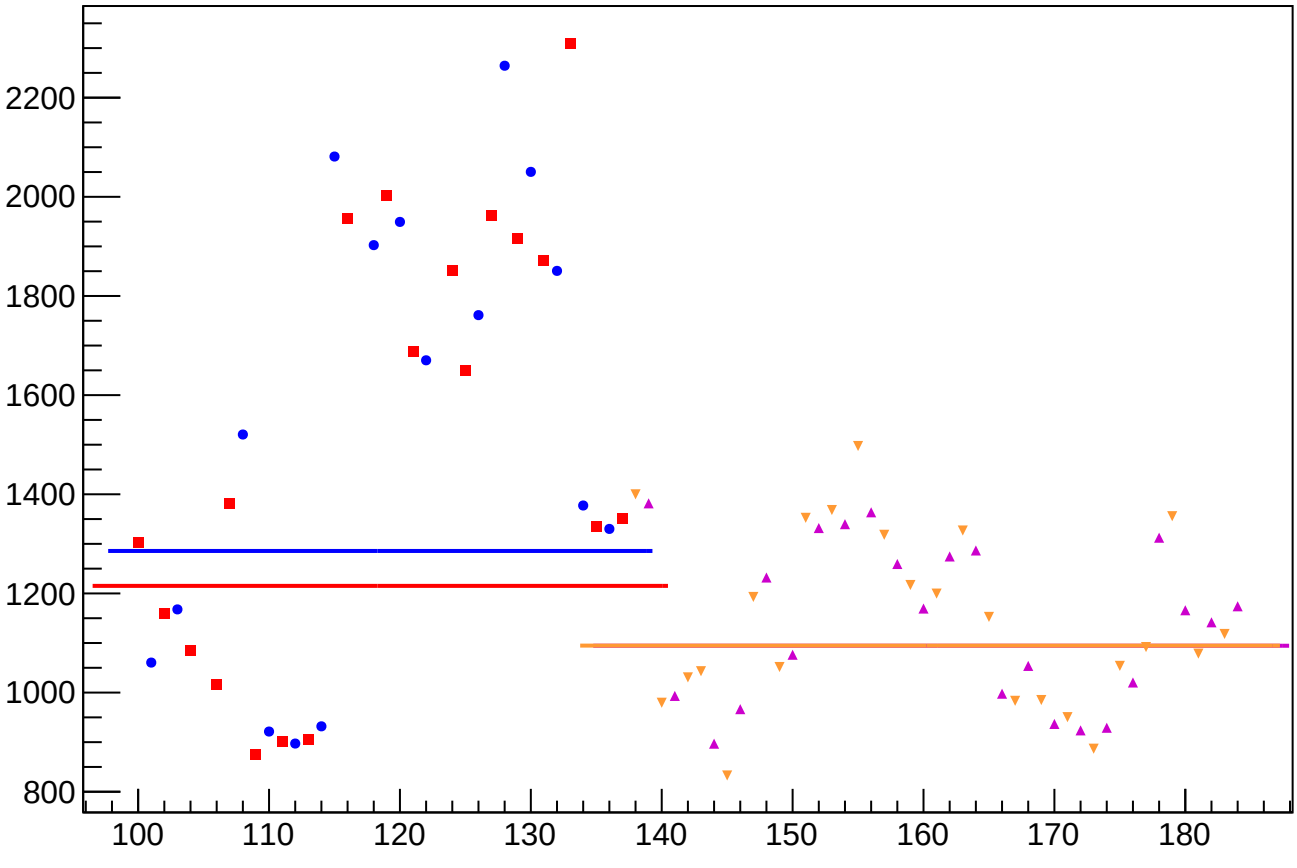
Left: -558.160+/-181.364 χ^2/NDF: 96.3/46

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

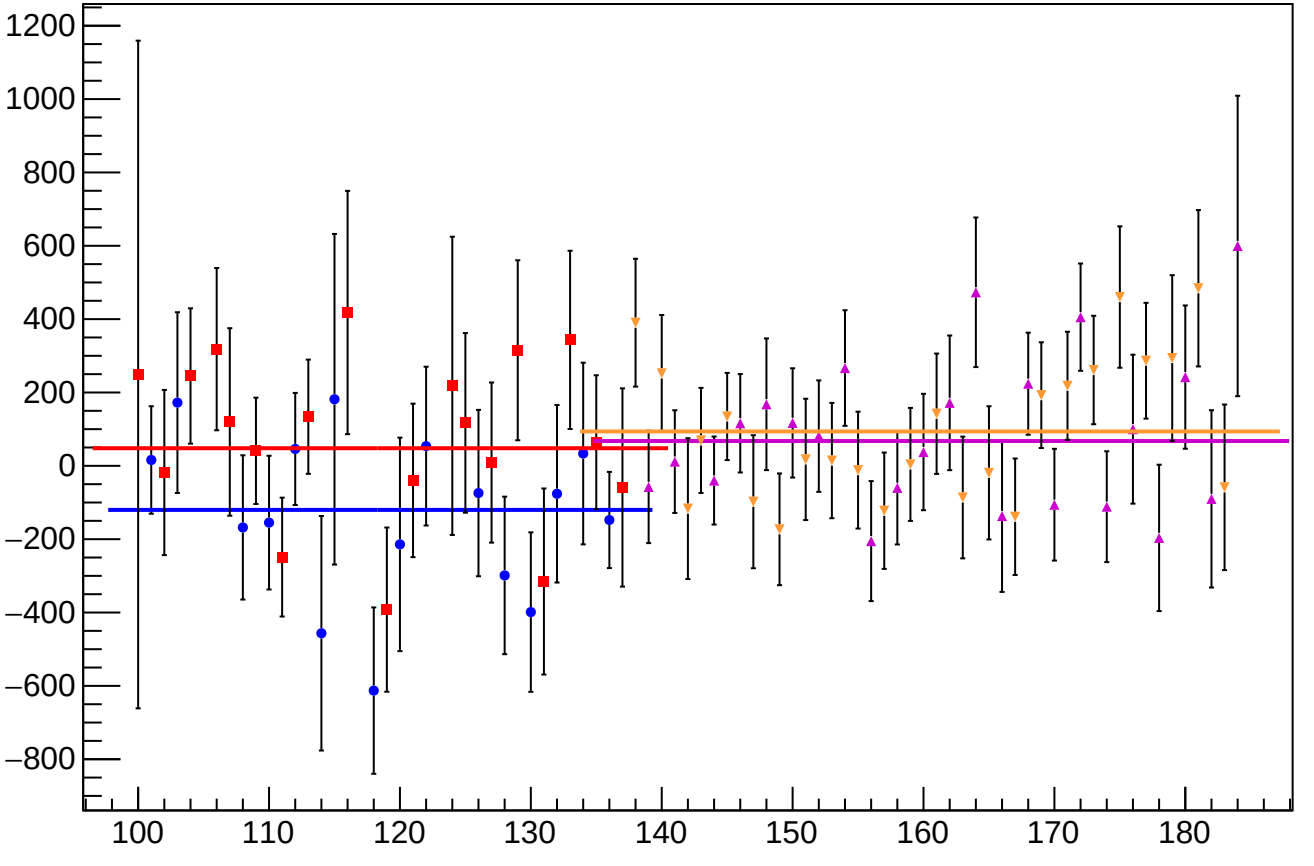
In: 101.144+/-230.059 χ^2/NDF:45.5/38

Out: -736.292+/-223.366 χ^2/NDF:90.2/42

All: -329.934+/-160.258 χ^2/NDF: 142.5/81


asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
180
Right In: 1285.668+/-0.355 χ²/NDF: 1170437.4/15
Left Out: 1094.767+/-0.180 χ²/NDF:879397.3/23
Right Out: 1215.237+/-0.331 χ²/NDF: 1386290.4/18
Left In: 1094.478+/-0.183 χ²/NDF:732975.2/22
Left: 1094.625+/-0.128 χ²/NDF: 1612373.8/46
Right: 1248.058+/-0.242 χ²/NDF: 2577799.9/34
In: 1134.727+/-0.163 χ²/NDF:2132979.6/38
Out: 1122.162+/-0.158 χ²/NDF:2367901.5/42
All: 1128.259+/-0.113 χ²/NDF: 4503952.1/81

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



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: 67.648+/-34.137 χ^2/NDF:26.5/22

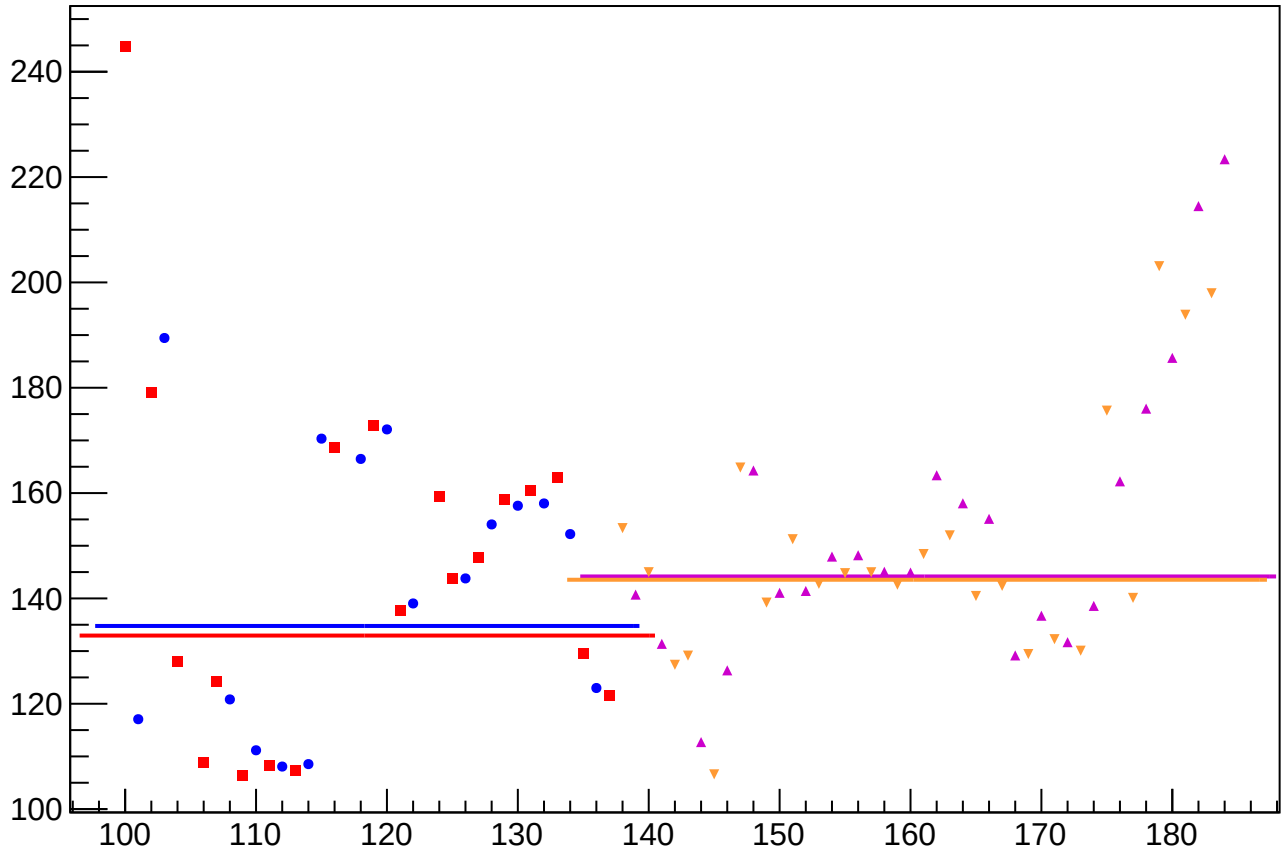
Left: 81.045+/-23.833 χ^2/NDF: 55.3/46

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 9.698+/-28.386 χ^2/NDF:49.3/38

Out: 79.696+/-27.695 χ^2/NDF:46.0/42

All: 45.559+/-19.823 χ^2/NDF: 98.4/81



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: 144.170+/-0.024 χ^2/NDF:702713.8/22

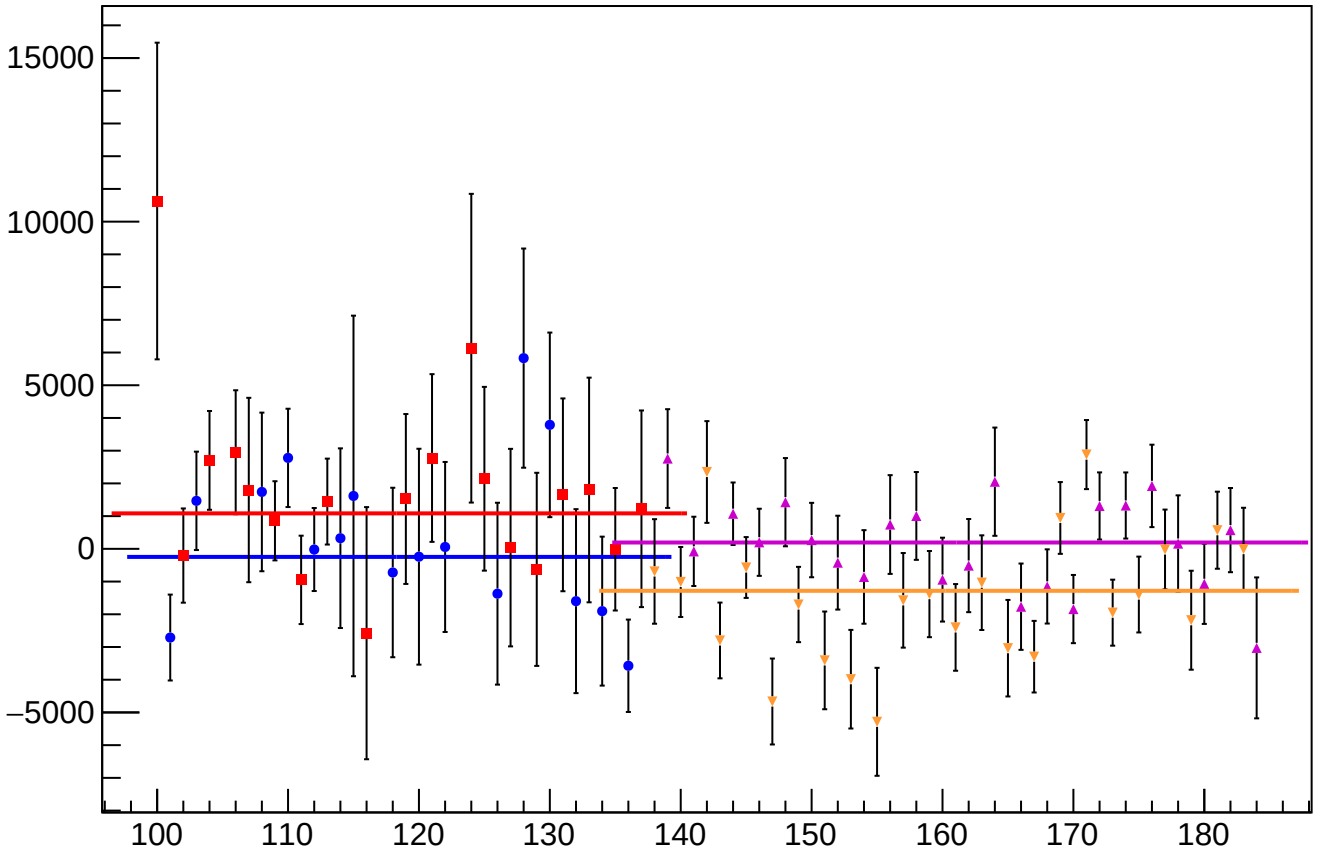
Left: 143.850+/-0.017 χ^2/NDF: 1448880.0/46

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 141.270+/-0.020 χ^2/NDF:1166278.7/38

Out: 140.283+/-0.020 χ^2/NDF:1307066.2/42

All: 140.764+/-0.014 χ^2/NDF: 2474585.7/81



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: 193.808+/-258.922 χ^2/NDF:23.3/22

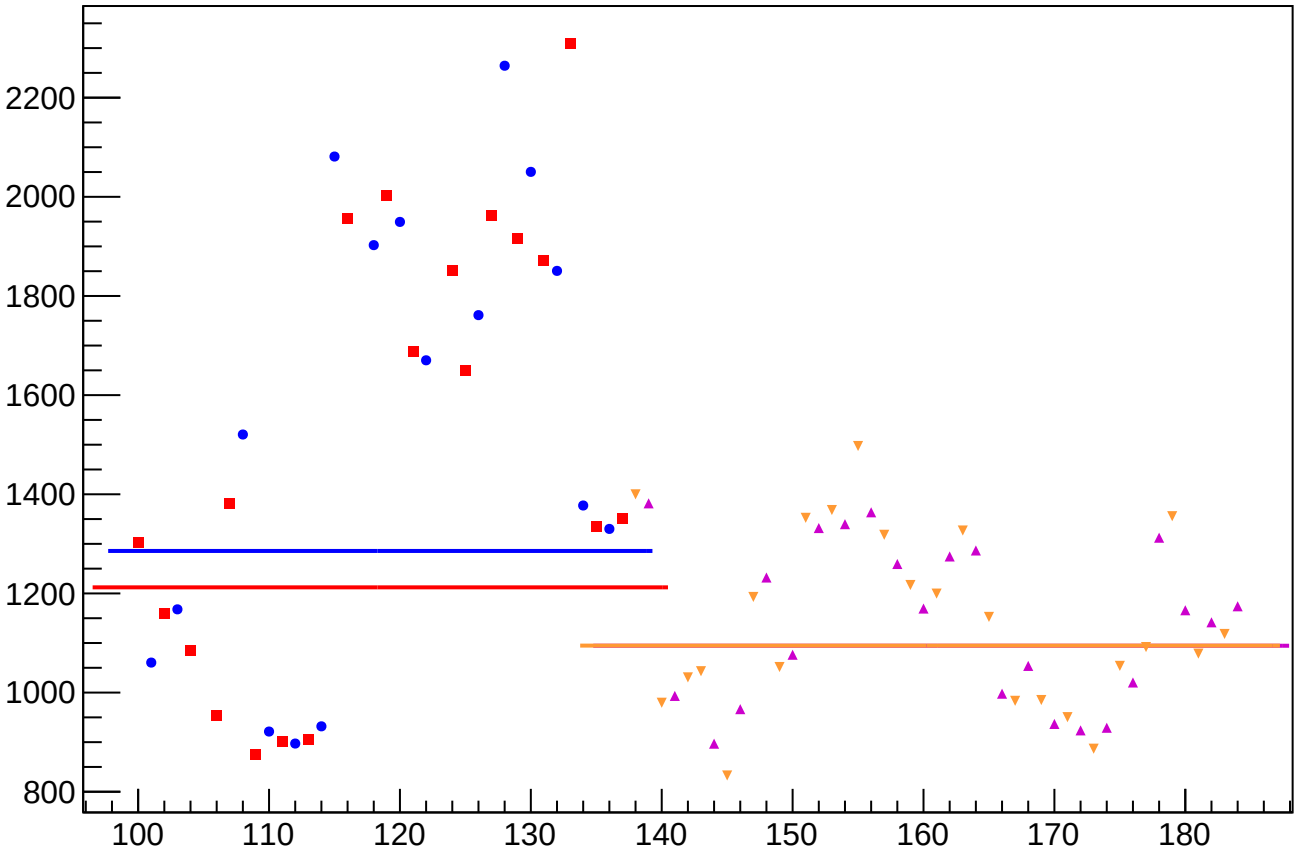
Left: -558.153+/-181.364 χ^2/NDF: 96.3/46

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 101.133+/-230.060 χ^2/NDF:45.5/38

Out: -745.953+/-223.466 χ^2/NDF:88.9/42

All: -334.723+/-160.295 χ^2/NDF: 141.4/81



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: 1094.479+/-0.183 χ^2/NDF:732975.7/22

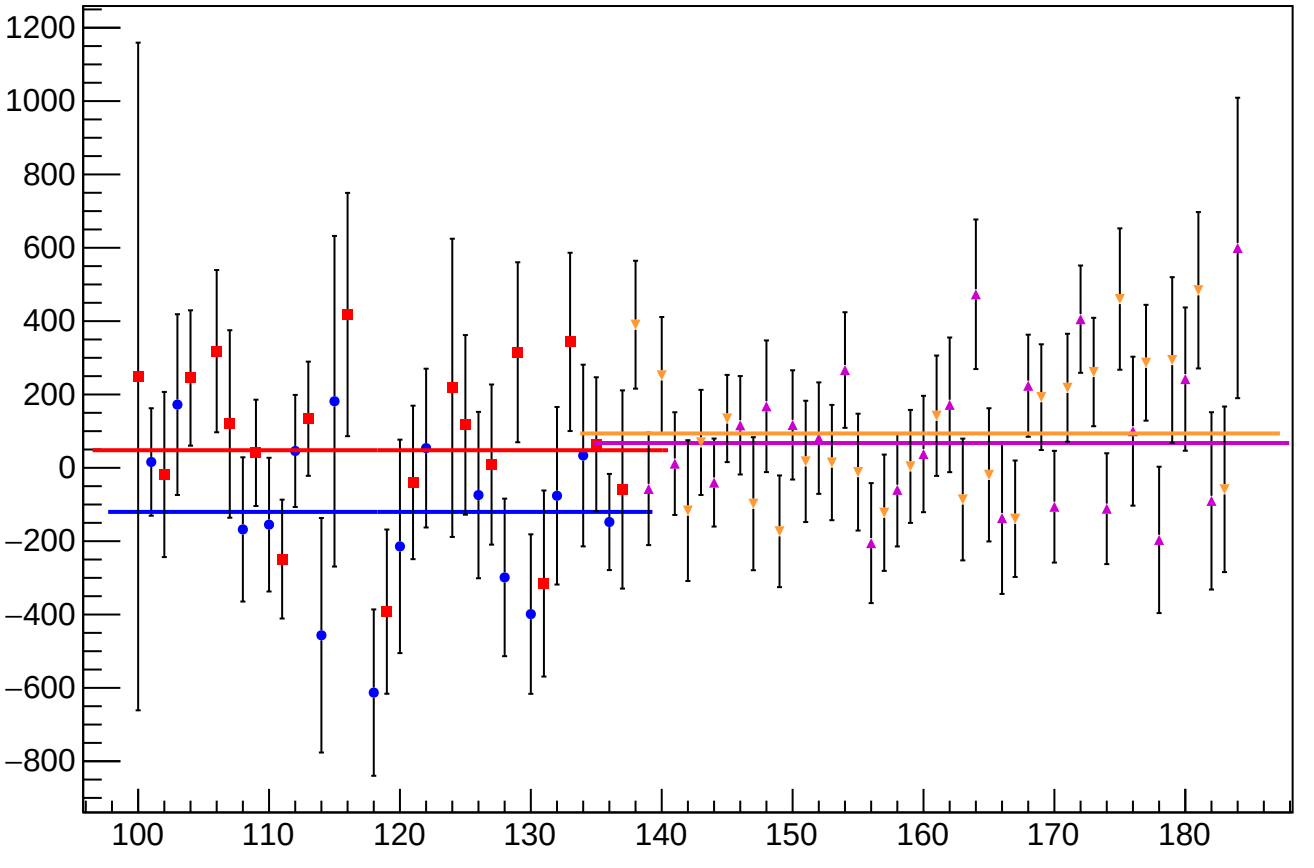
Left: 1094.625+/-0.128 χ^2/NDF: 1612374.8/46

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1134.730+/-0.163 χ^2/NDF:2132983.8/38

Out: 1121.407+/-0.158 χ^2/NDF:2376988.1/42

All: 1127.875+/-0.113 χ^2/NDF: 4513422.8/81



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: 67.648+/-34.137 χ^2/NDF:26.5/22

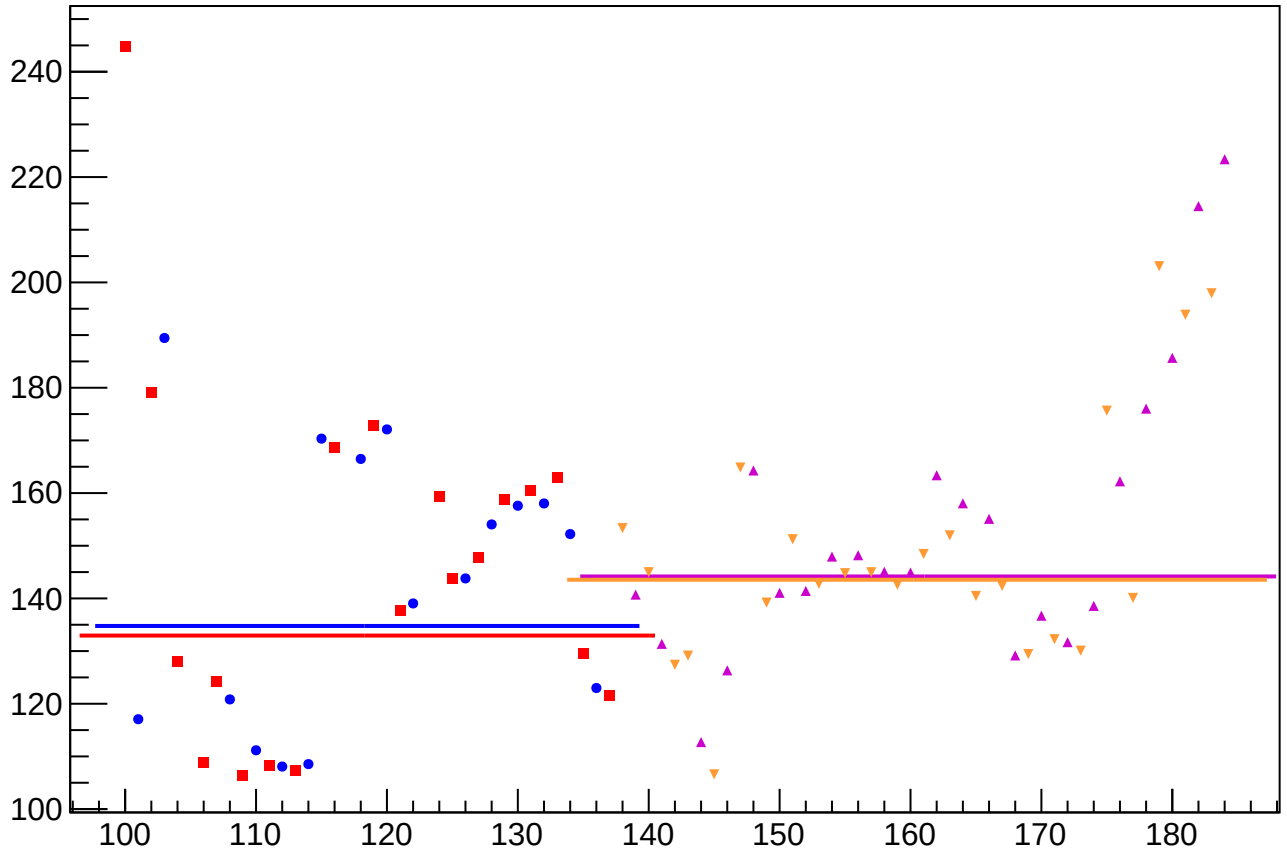
Left: 81.045+/-23.833 χ^2/NDF: 55.3/46

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 9.698+/-28.386 χ^2/NDF:49.3/38

Out: 79.696+/-27.695 χ^2/NDF:46.0/42

All: 45.559+/-19.823 χ^2/NDF: 98.4/81



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: 144.170+/-0.024 χ^2/NDF:702713.8/22

Left: 143.850+/-0.017 χ^2/NDF: 1448880.0/46

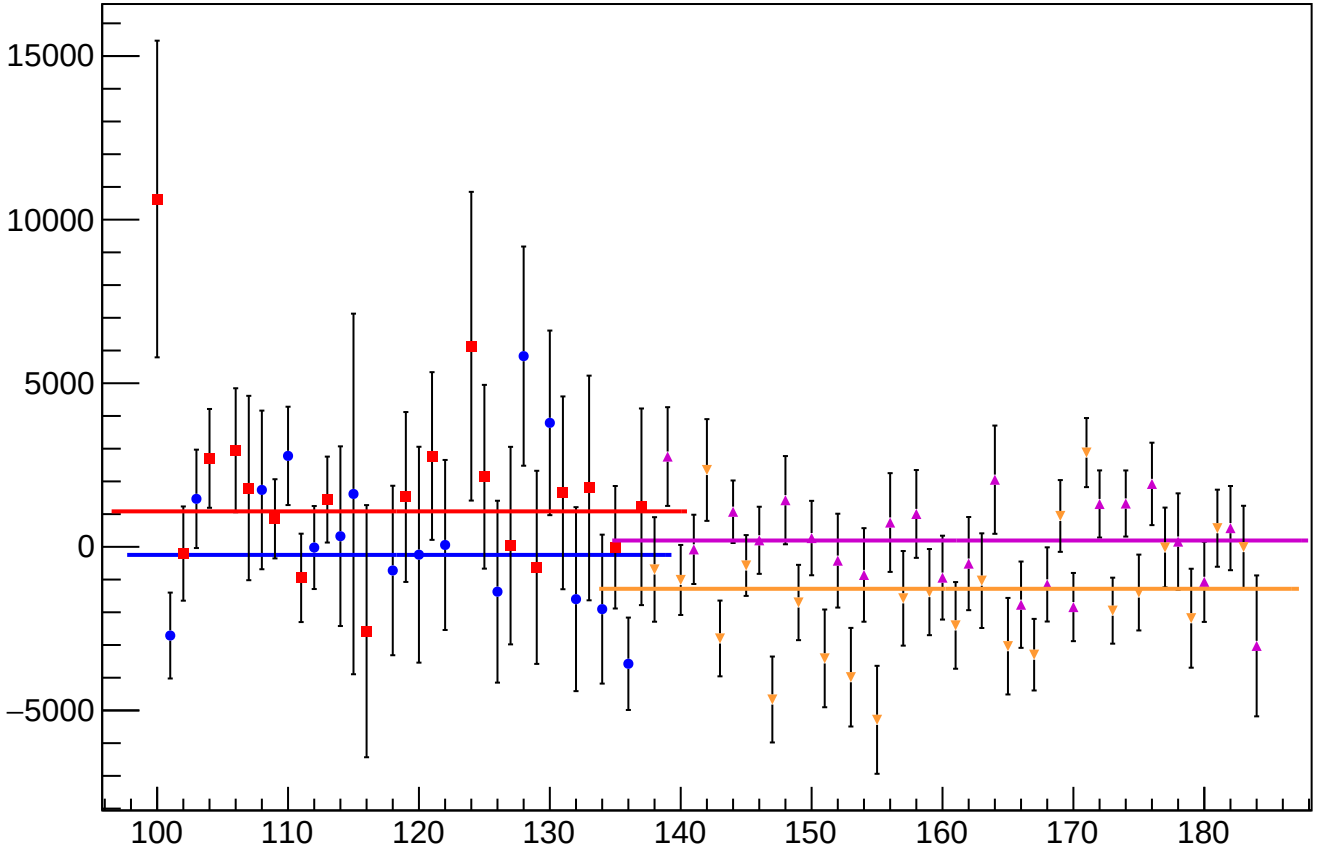
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 141.270+/-0.020 χ^2/NDF:1166278.7/38

Out: 140.283+/-0.020 χ^2/NDF:1307066.2/42

All: 140.764+/-0.014 χ^2/NDF: 2474585.7/81

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: 193.808+/-258.922 χ^2/NDF:23.3/22

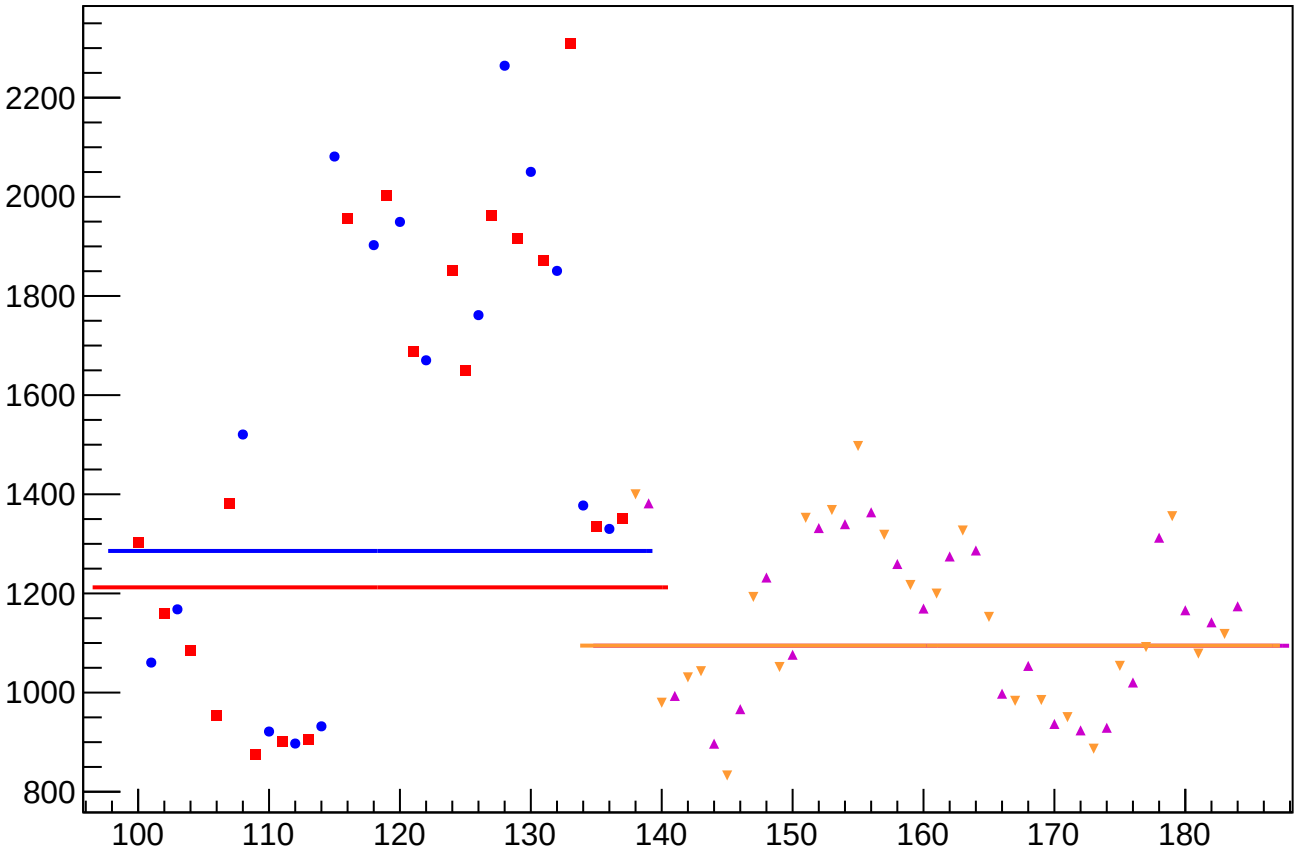
Left: -558.153+/-181.364 χ^2/NDF: 96.3/46

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 101.133+/-230.060 χ^2/NDF:45.5/38

Out: -745.953+/-223.466 χ^2/NDF:88.9/42

All: -334.723+/-160.295 χ^2/NDF: 141.4/81



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: 1094.479+/-0.183 χ^2/NDF:732975.7/22

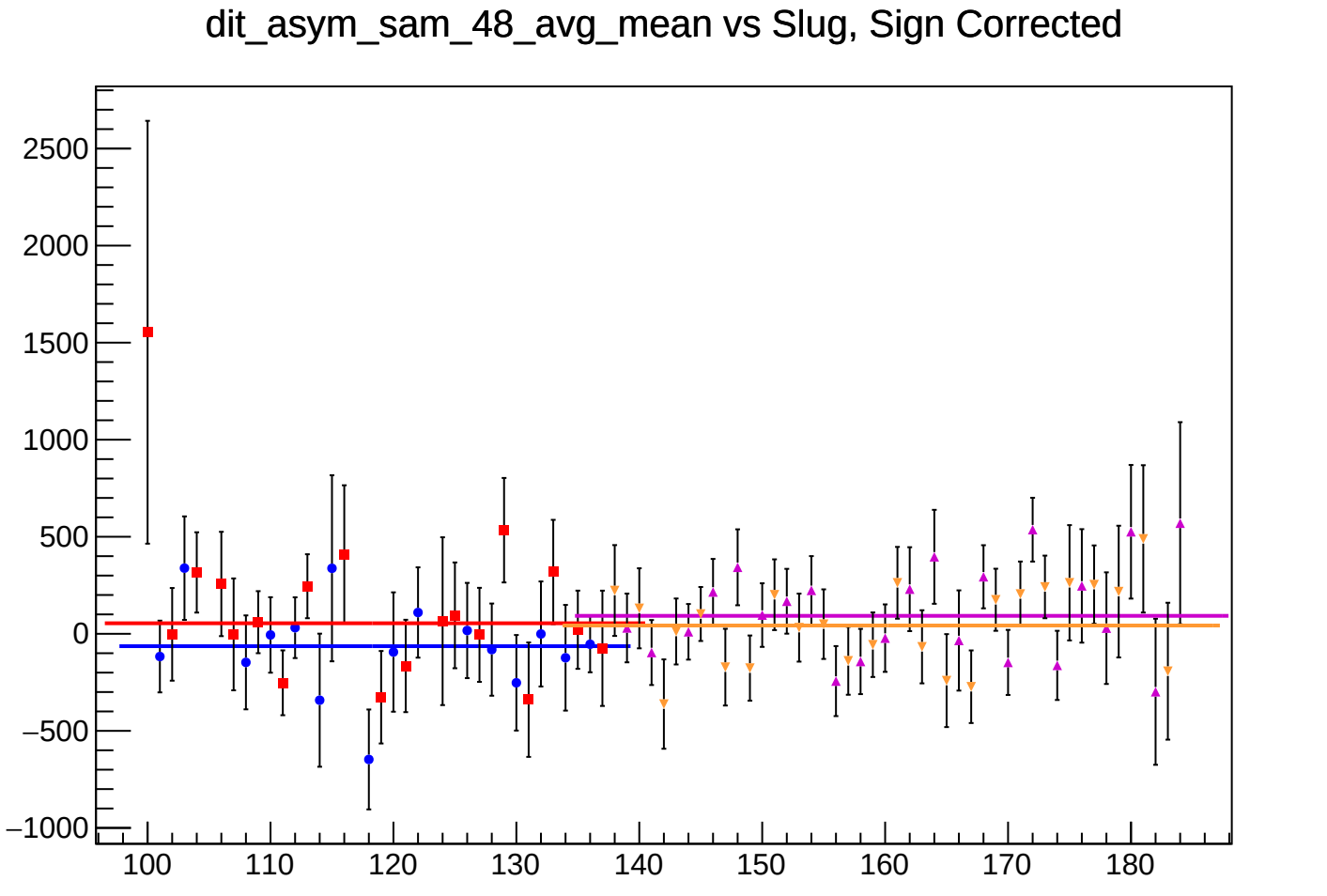
Left: 1094.625+/-0.128 χ^2/NDF: 1612374.8/46

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1134.730+/-0.163 χ^2/NDF:2132983.8/38

Out: 1121.407+/-0.158 χ^2/NDF:2376988.1/42

All: 1127.875+/-0.113 χ^2/NDF: 4513422.8/81



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 42.738+/-39.311 χ^2/NDF:22.1/23

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

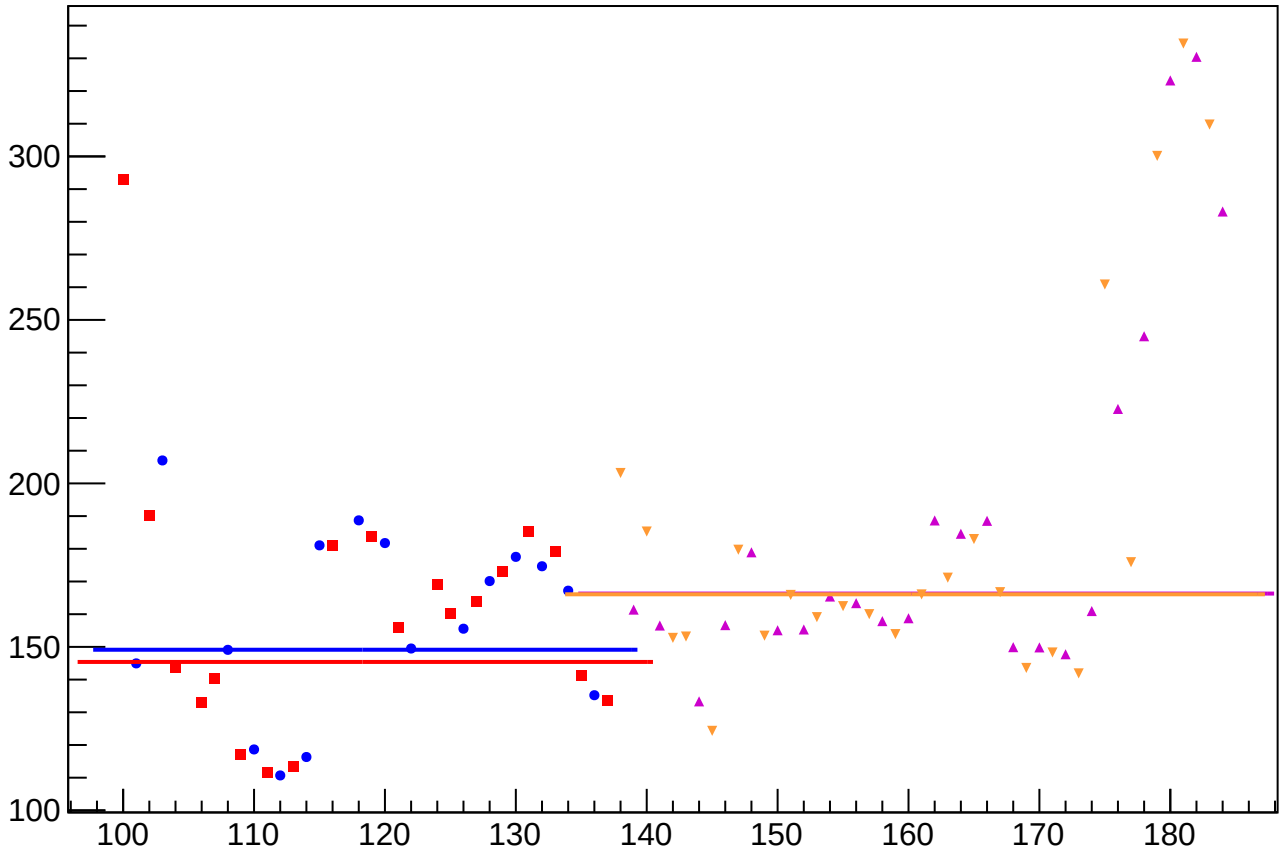
Left: 67.112+/-28.094 χ^2/NDF: 52.3/46

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: 40.359+/-32.782 χ^2/NDF:45.4/38

Out: 46.673+/-31.931 χ^2/NDF:41.6/42

All: 43.599+/-22.873 χ^2/NDF: 87.0/81



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: 166.308+/-0.028 χ^2/NDF:1392466.3/22

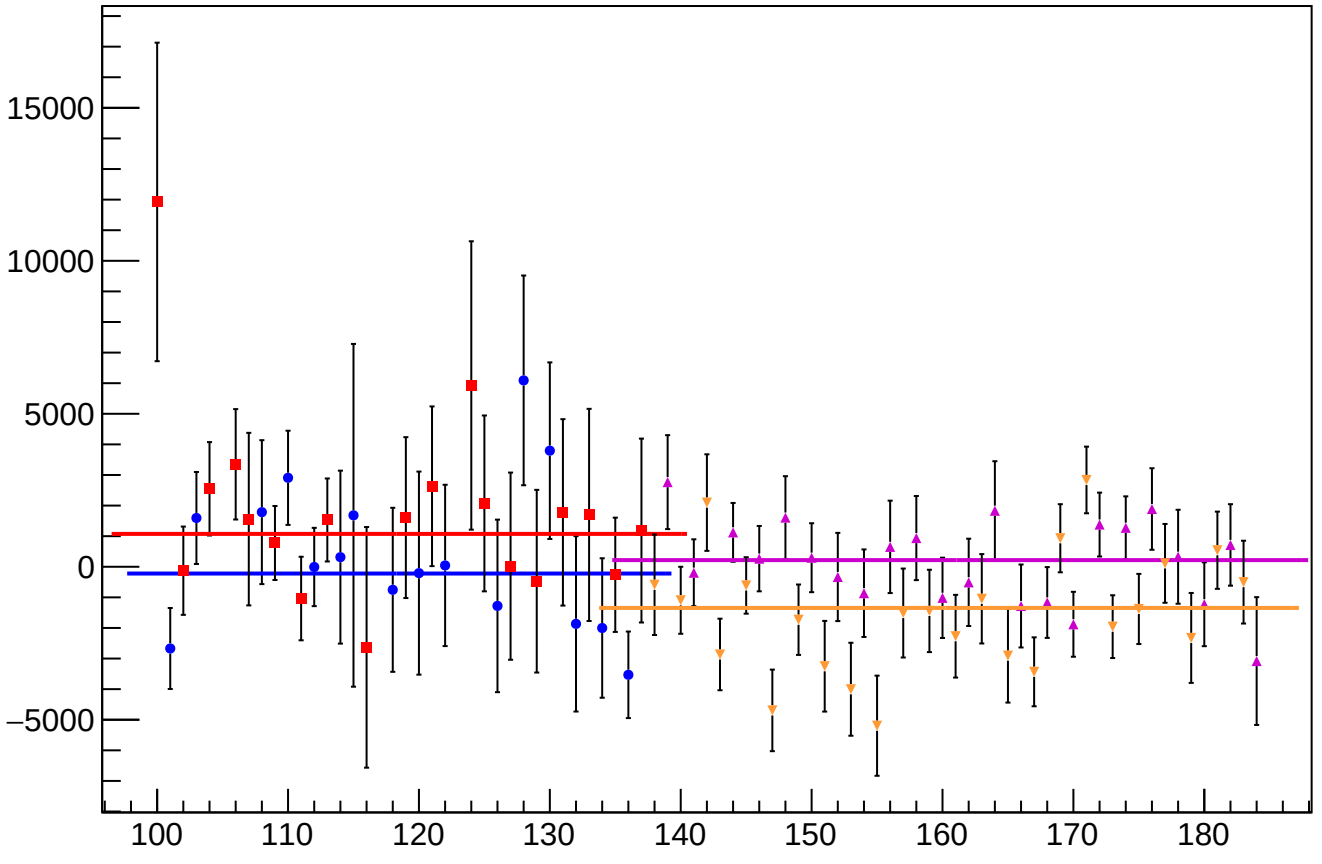
Left: 166.194+/-0.020 χ^2/NDF: 3062093.2/46

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 160.573+/-0.023 χ^2/NDF:1965605.6/38

Out: 159.046+/-0.023 χ^2/NDF:2383810.1/42

All: 159.790+/-0.016 χ^2/NDF: 4351641.3/81



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: 217.285+/-264.388 χ^2/NDF:22.2/22

Left: -580.832+/-184.897 χ^2/NDF: 92.7/46

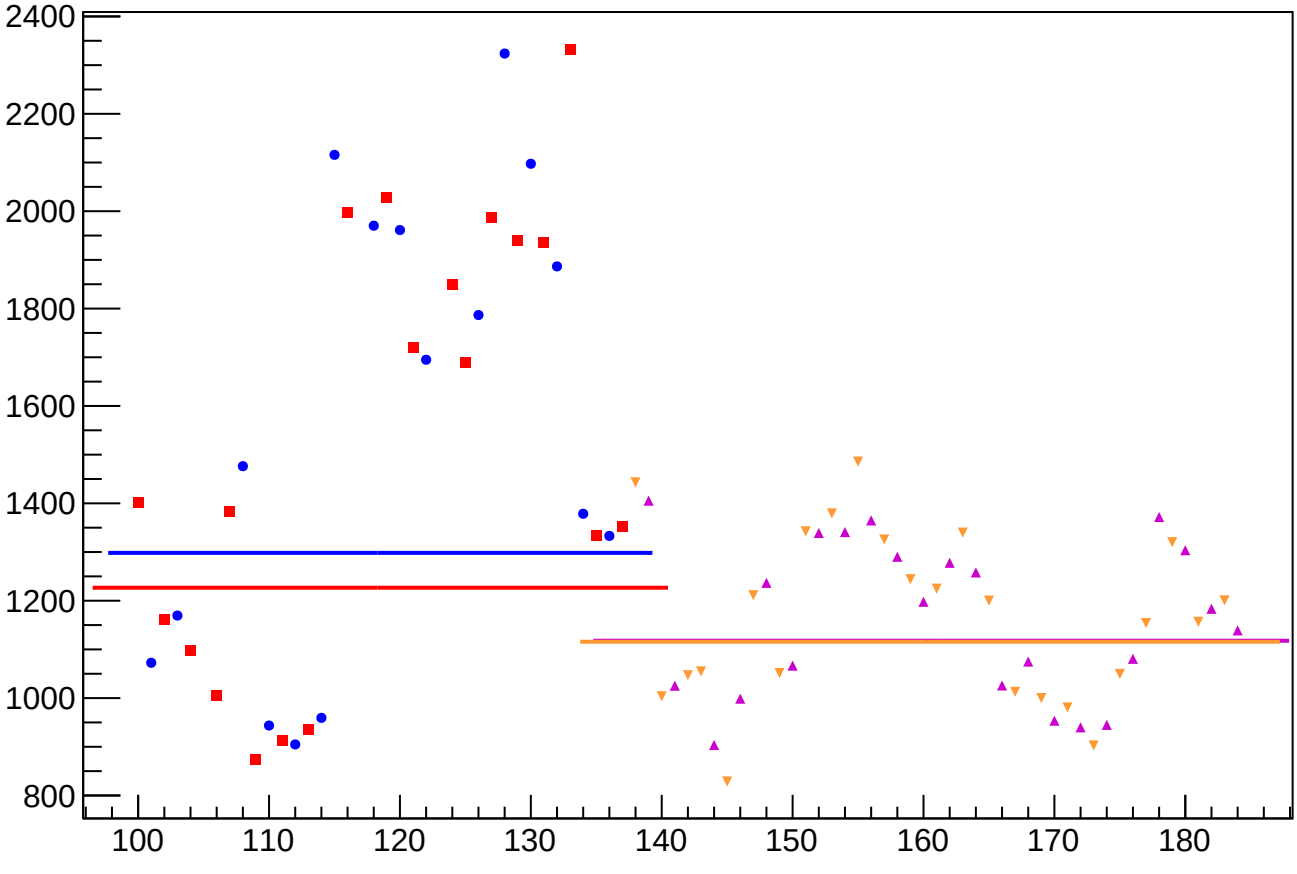
Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 123.297+/-234.349 χ^2/NDF:44.7/38

Out: -787.521+/-226.932 χ^2/NDF:86.4/42

All: -346.754+/-163.024 χ^2/NDF: 138.9/81

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: 1117.831+/-0.187 χ^2/NDF:729387.1/22

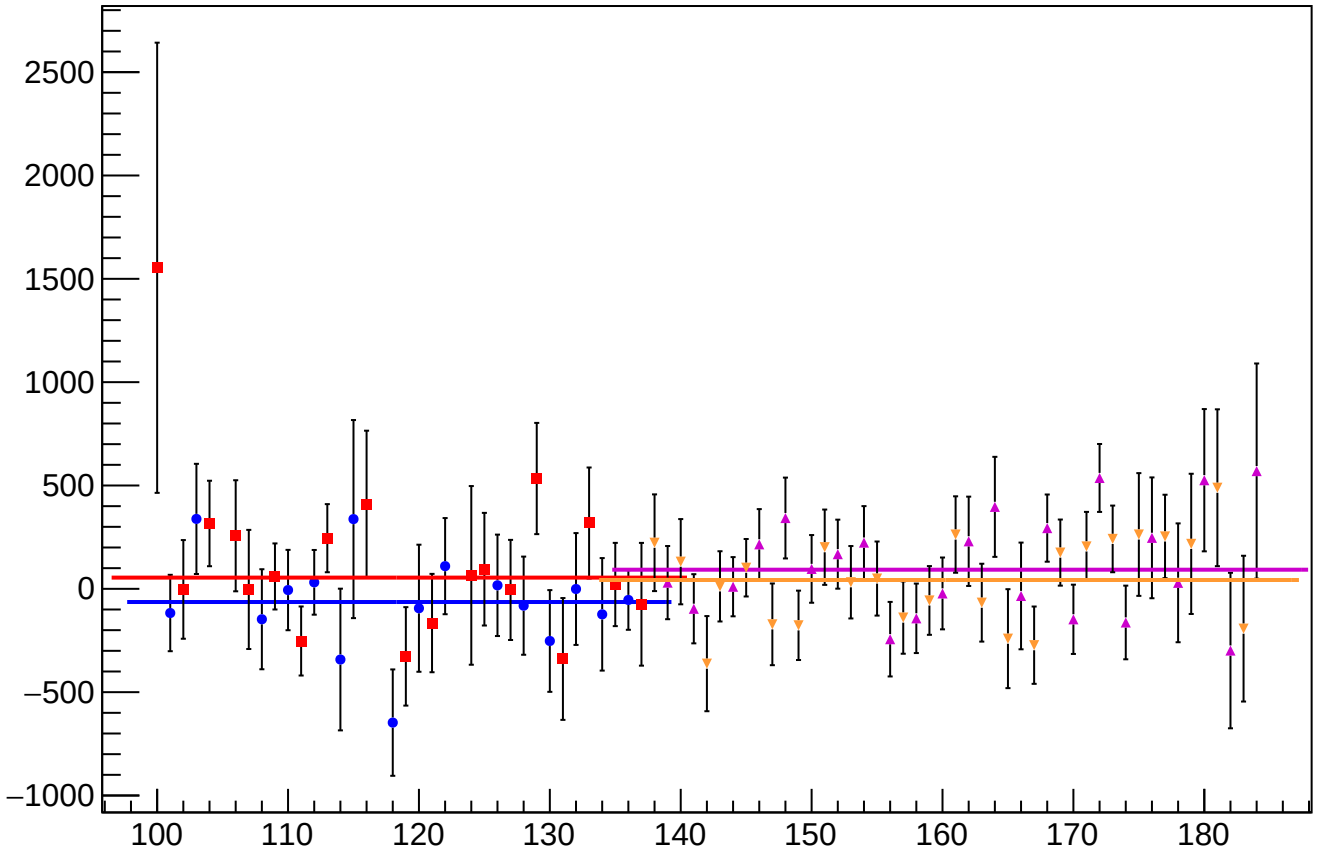
Left: 1116.757+/-0.131 χ^2/NDF: 1596729.3/46

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1156.509+/-0.166 χ^2/NDF:2111218.1/38

Out: 1141.298+/-0.160 χ^2/NDF:2356636.0/42

All: 1148.659+/-0.115 χ^2/NDF: 4472202.8/81



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: 92.556+/-40.165 χ^2/NDF:29.5/22

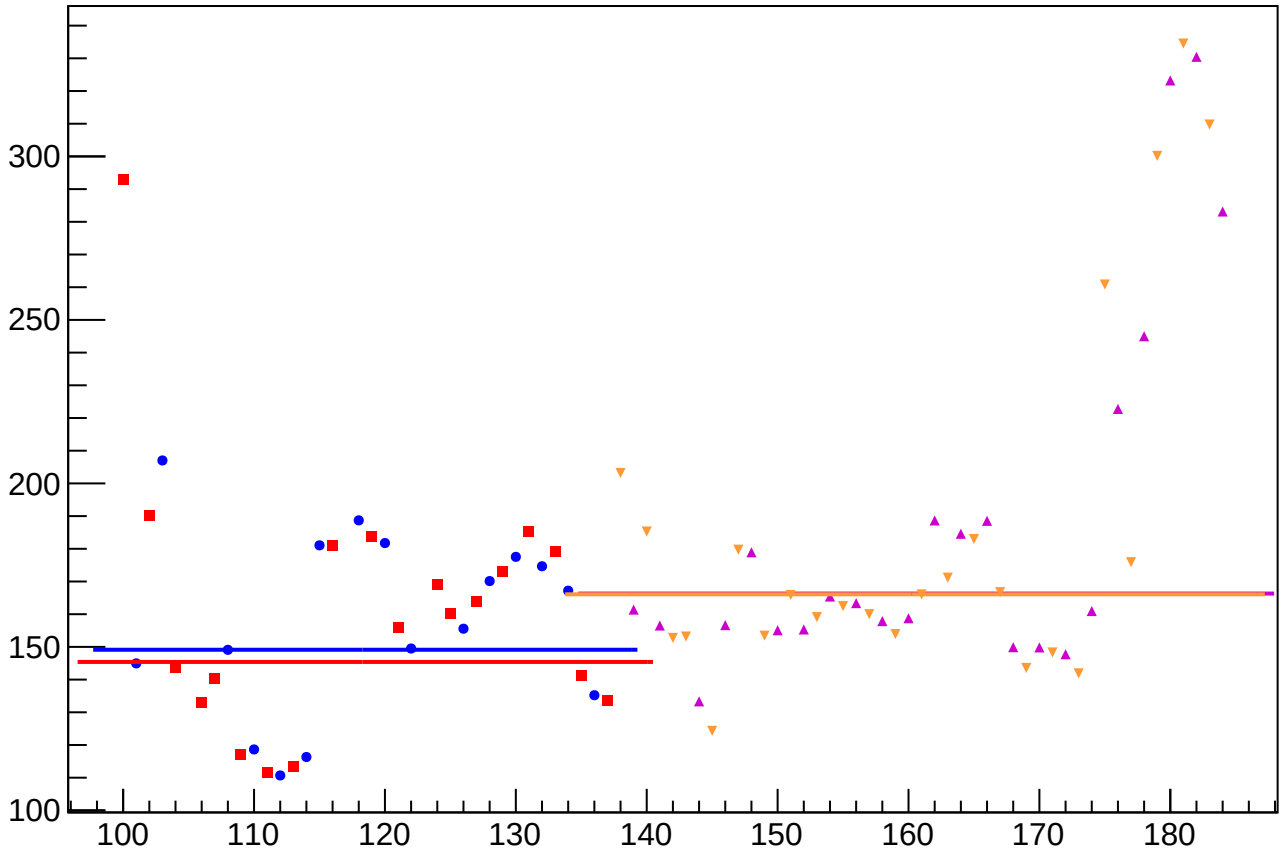
Left: 67.113+/-28.094 χ^2/NDF: 52.3/46

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 40.360+/-32.782 χ^2/NDF:45.4/38

Out: 46.675+/-31.931 χ^2/NDF:41.6/42

All: 43.600+/-22.873 χ^2/NDF: 87.0/81



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: 166.308+/-0.028 χ^2/NDF:1392446.1/22

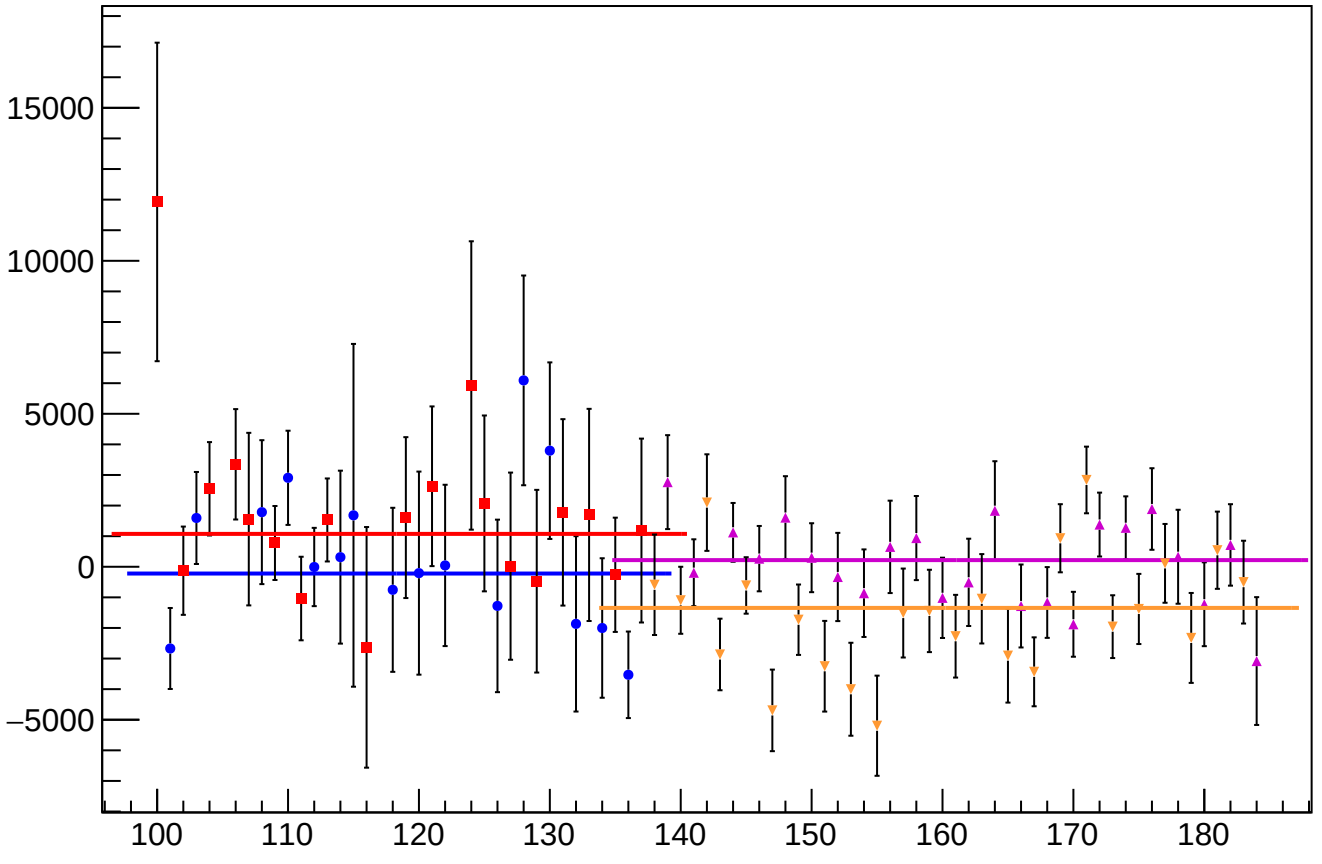
Left: 166.194+/-0.020 χ^2/NDF: 3062068.8/46

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 160.573+/-0.023 χ^2/NDF:1965590.3/38

Out: 159.046+/-0.023 χ^2/NDF:2383813.9/42

All: 159.790+/-0.016 χ^2/NDF: 4351629.9/81



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: 217.283+/-264.388 χ^2/NDF:22.2/22

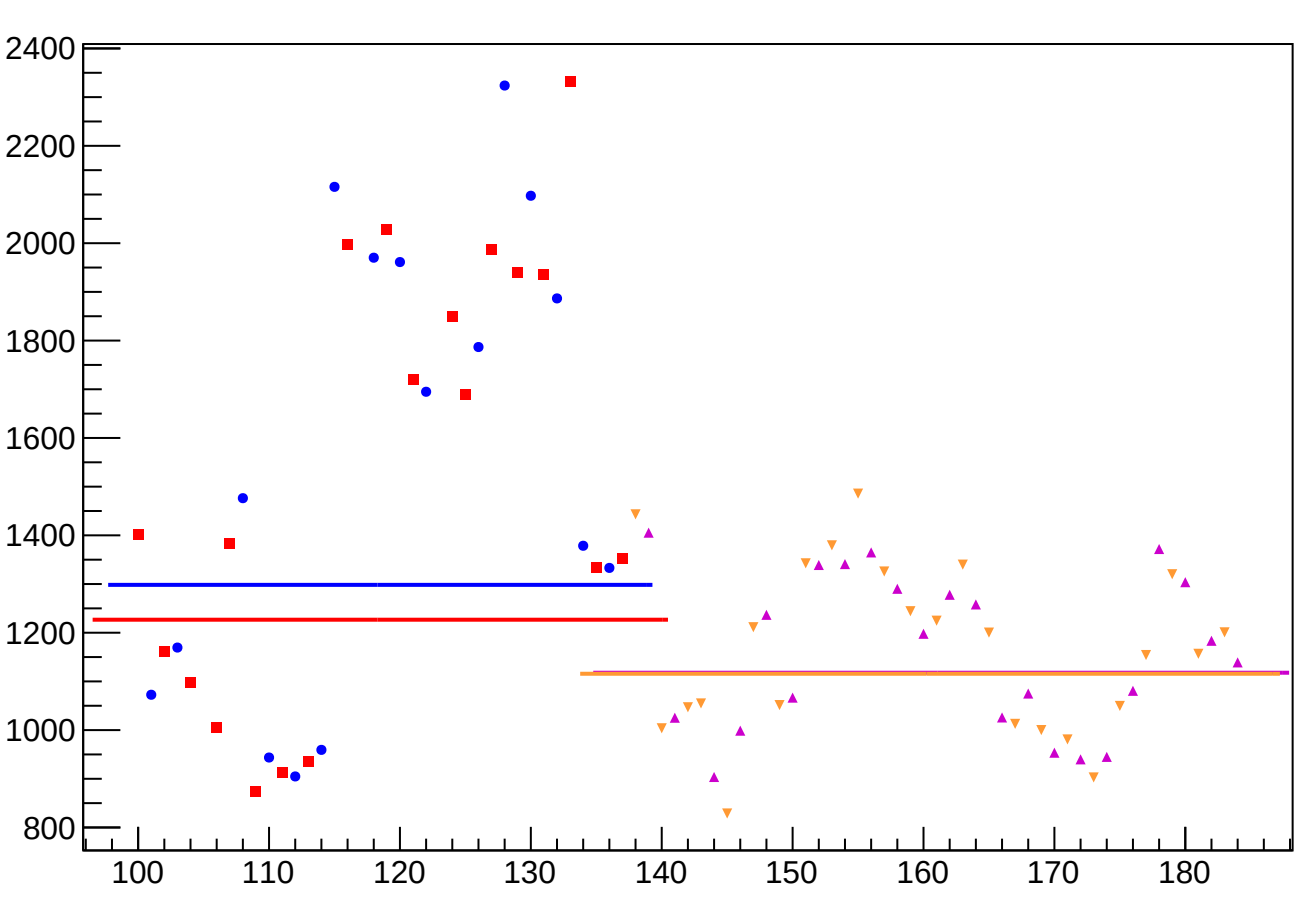
Left: -580.831+/-184.897 χ^2/NDF: 92.7/46

Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 123.296+/-234.348 χ^2/NDF:44.7/38

Out: -787.520+/-226.931 χ^2/NDF:86.4/42

All: -346.753+/-163.024 χ^2/NDF: 138.9/81



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: 1117.829+/-0.187 χ^2/NDF:729386.0/22

Left: 1116.755+/-0.131 χ^2/NDF: 1596730.1/46

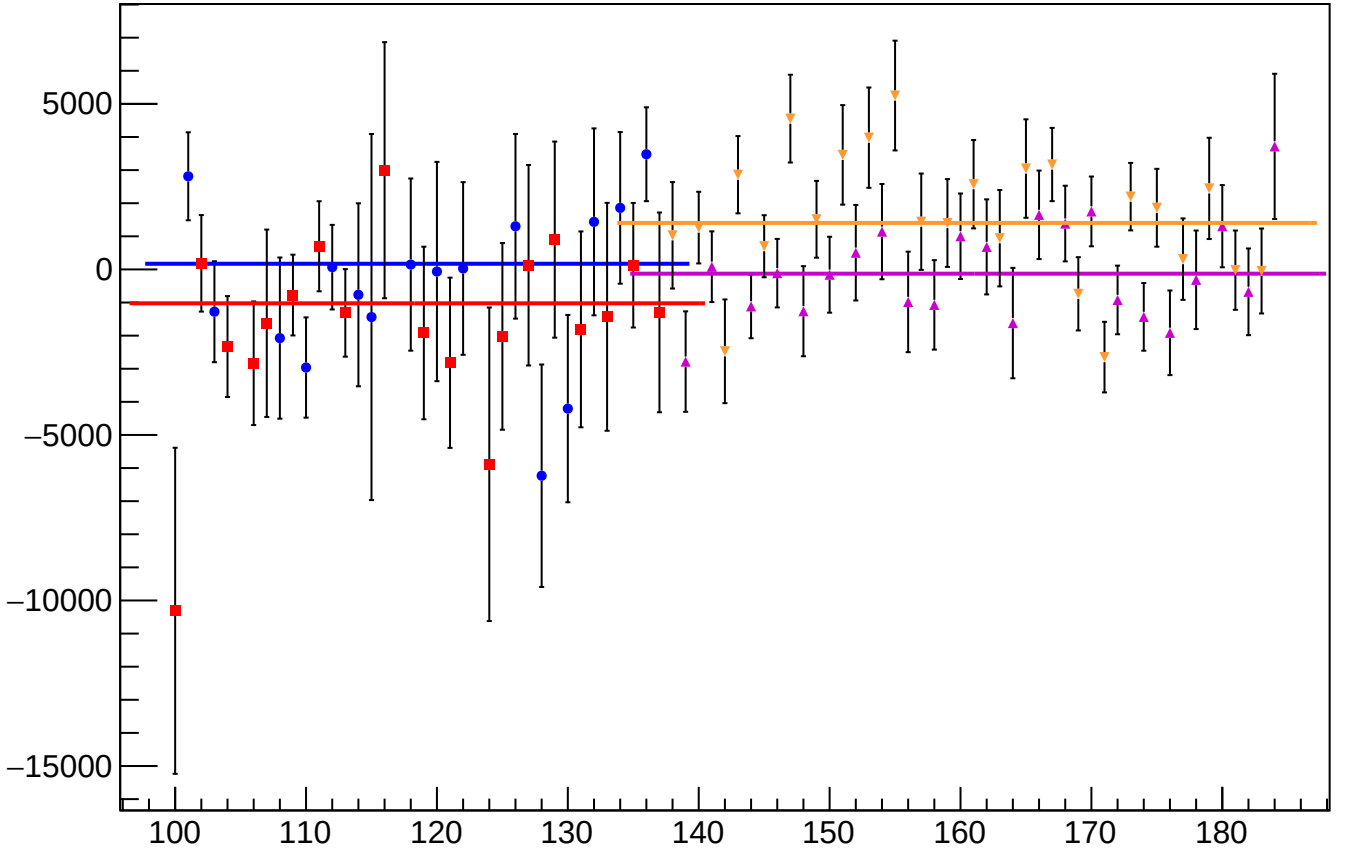
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1156.507+/-0.166 χ^2/NDF:2111222.8/38

Out: 1141.296+/-0.160 χ^2/NDF:2356642.1/42

All: 1148.657+/-0.115 χ^2/NDF: 4472213.5/81

asym_sam_48_avg_mean vs Slug, Sign Corrected



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: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 652.353+/-183.108 χ^2/NDF: 93.2/46

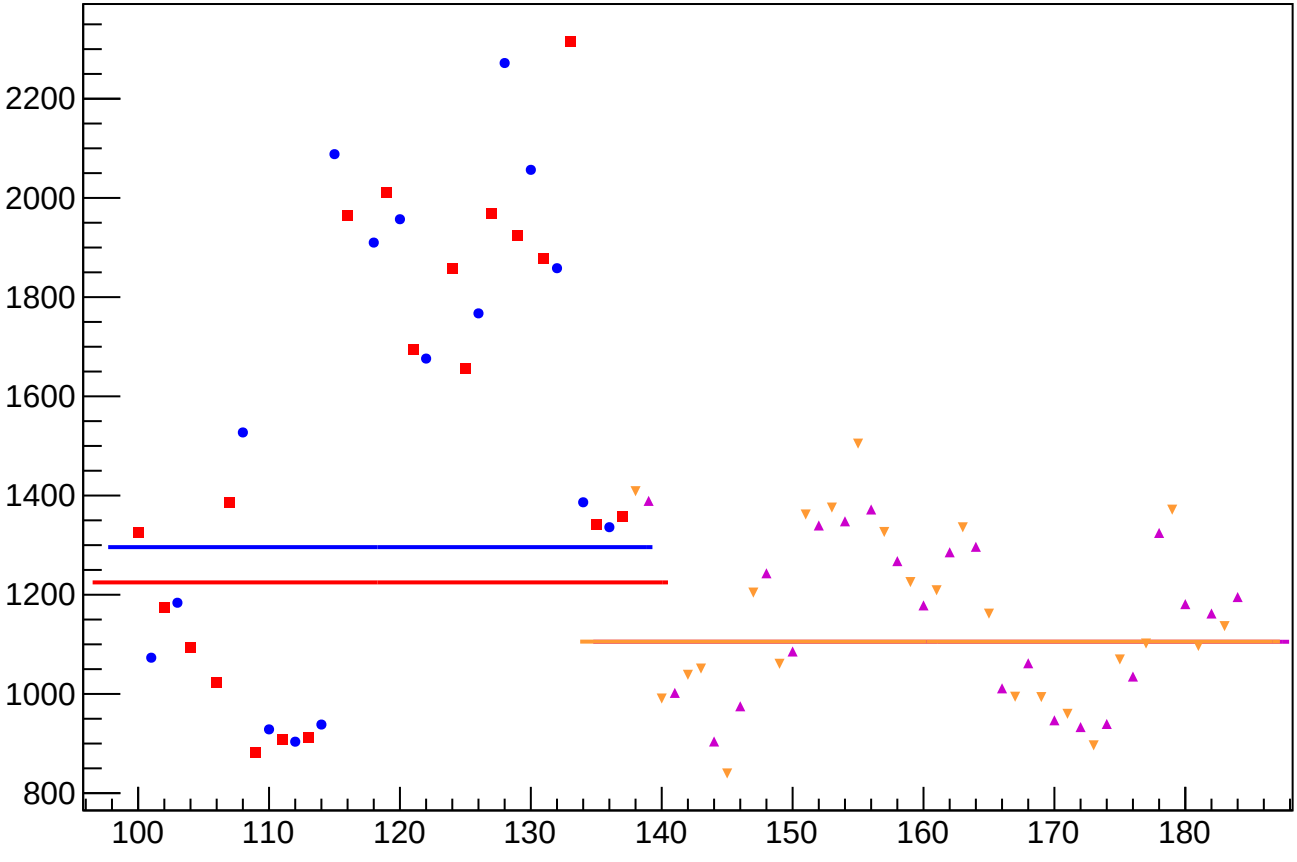
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -65.116+/-232.168 χ^2/NDF:46.8/38

Out: 850.589+/-225.413 χ^2/NDF:83.6/42

All: 406.252+/-161.726 χ^2/NDF: 138.5/81

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: 1105.200+/-0.185 χ^2/NDF:723304.5/22

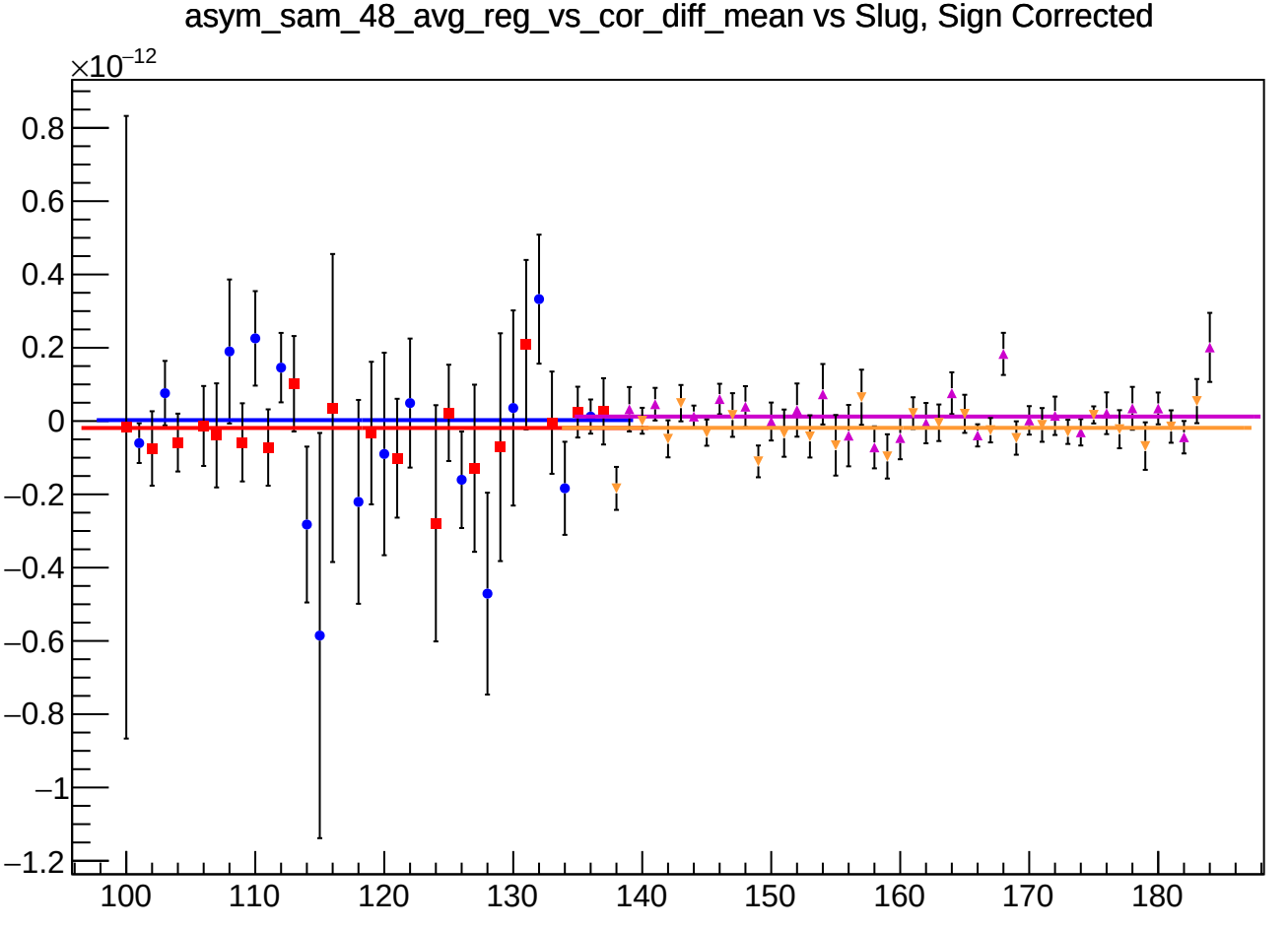
Left: 1105.351+/-0.129 χ^2/NDF: 1590863.9/46

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1145.503+/-0.164 χ^2/NDF:2102527.6/38

Out: 1132.722+/-0.159 χ^2/NDF:2337593.2/42

All: 1138.924+/-0.114 χ^2/NDF: 4443240.6/81



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:27.1/22

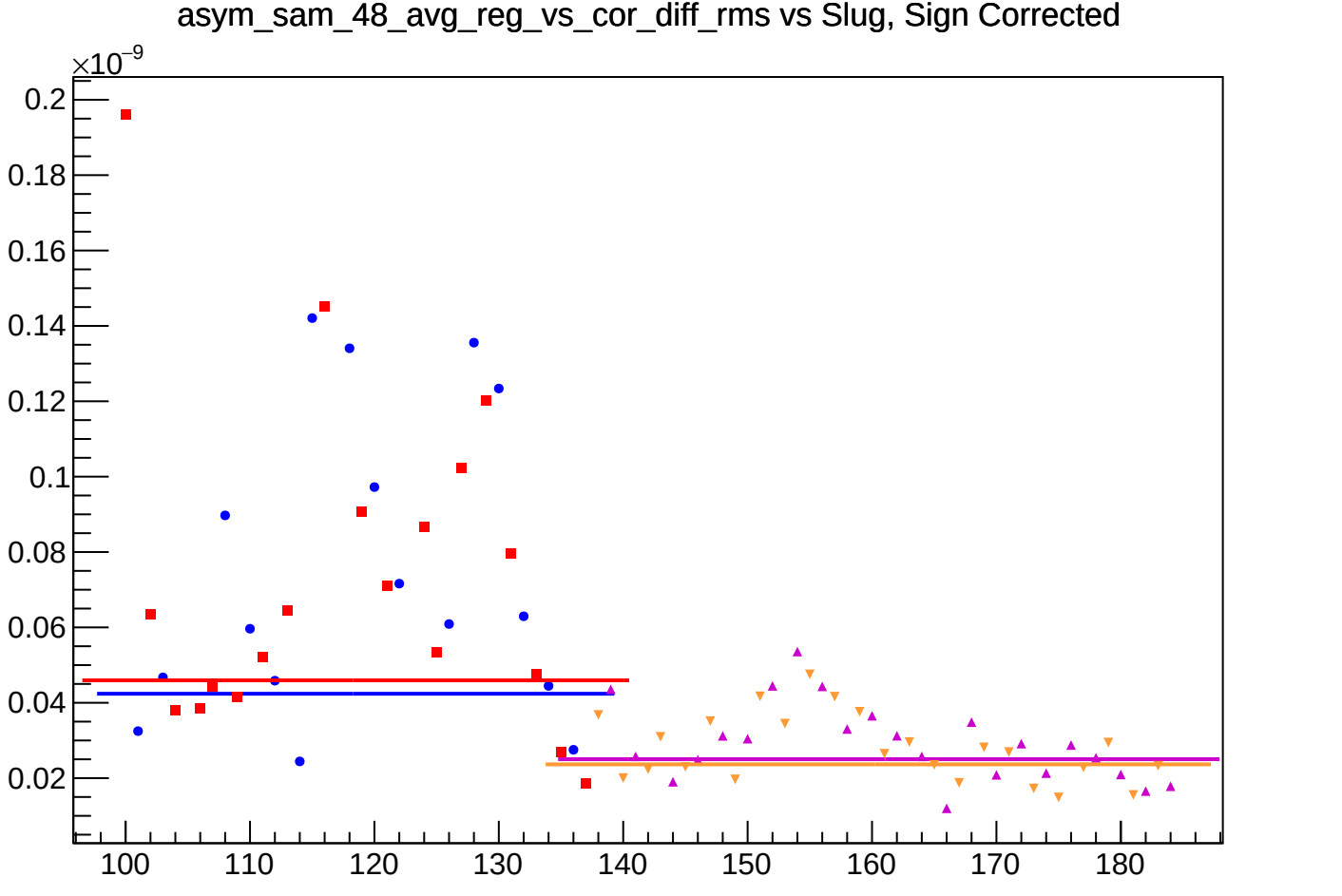
Left: -0.000+/-0.000 χ^2/NDF: 57.4/46

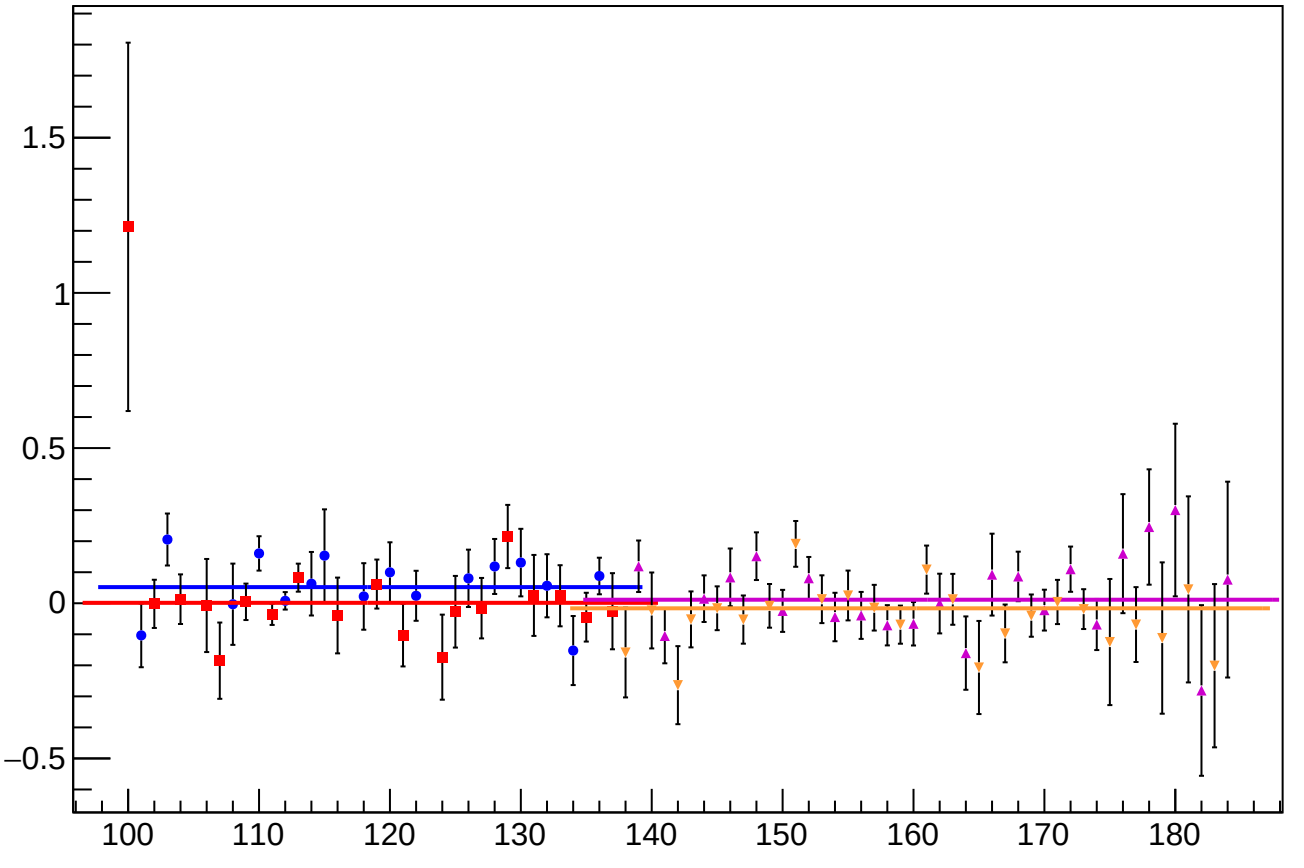
Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:49.4/38

Out: -0.000+/-0.000 χ^2/NDF:30.0/42

All: -0.000+/-0.000 χ^2/NDF: 84.7/81


asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1341259.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1425862.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 1118551.4/18
Left In: 0.000+/-0.000 χ²/NDF:1544727.7/22
Left: 0.000+/-0.000 χ²/NDF: 2991159.1/46
Right: 0.000+/-0.000 χ²/NDF: 2476096.3/34
In: 0.000+/-0.000 χ²/NDF:3619516.9/38
Out: 0.000+/-0.000 χ²/NDF:3627587.8/42
All: 0.000+/-0.000 χ²/NDF: 7274199.4/81



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:23.3/22

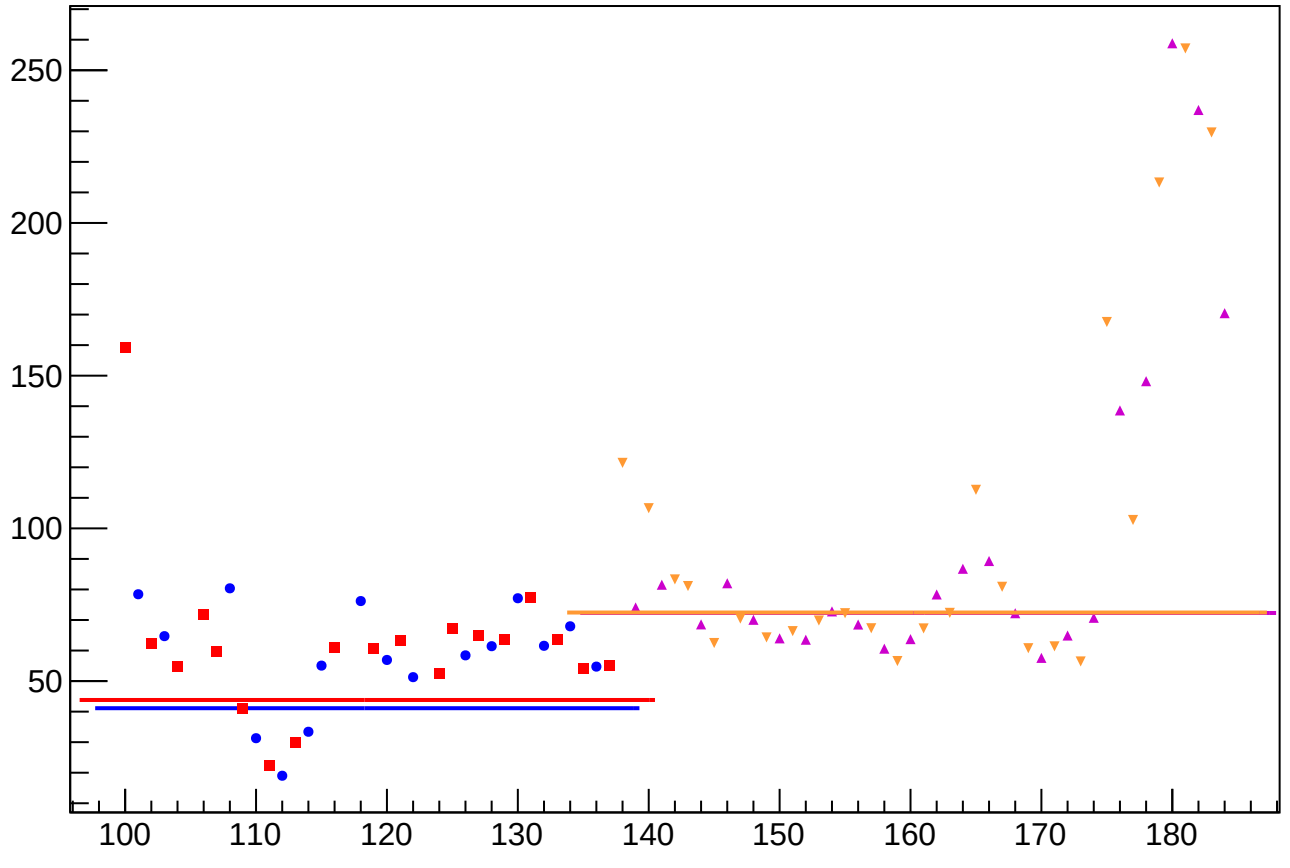
Left: -0.003+/-0.013 χ^2/NDF: 45.3/46

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:43.8/38

Out: -0.007+/-0.013 χ^2/NDF:40.5/42

All: 0.012+/-0.009 χ^2/NDF: 89.2/81



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: 72.298+/-0.013 χ^2/NDF:2790214.3/22

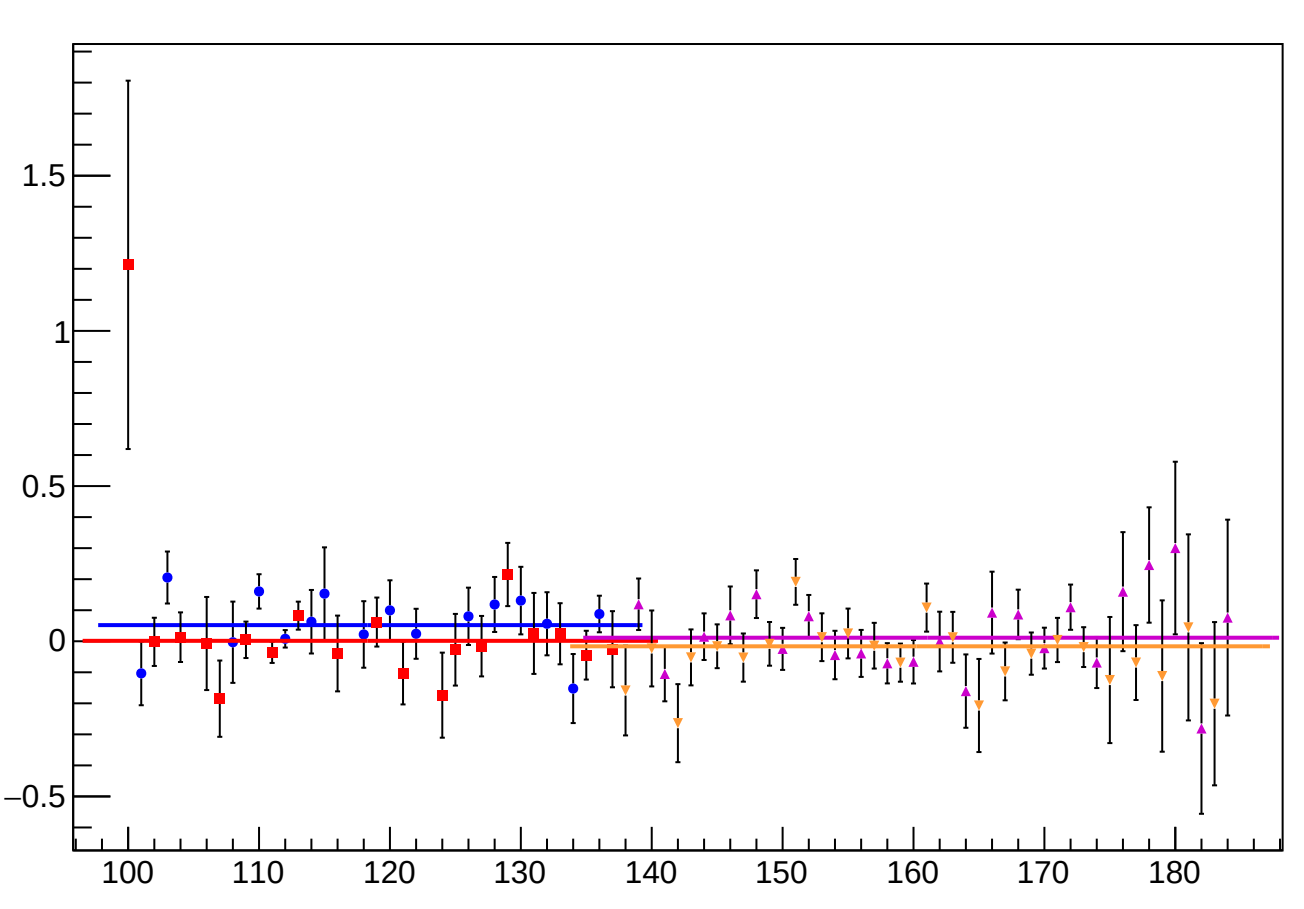
Left: 72.374+/-0.009 χ^2/NDF: 6542697.2/46

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 56.291+/-0.009 χ^2/NDF:8710620.3/38

Out: 58.088+/-0.009 χ^2/NDF:8344509.9/42

All: 57.193+/-0.006 χ^2/NDF: 17075110.1/81



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:23.3/22

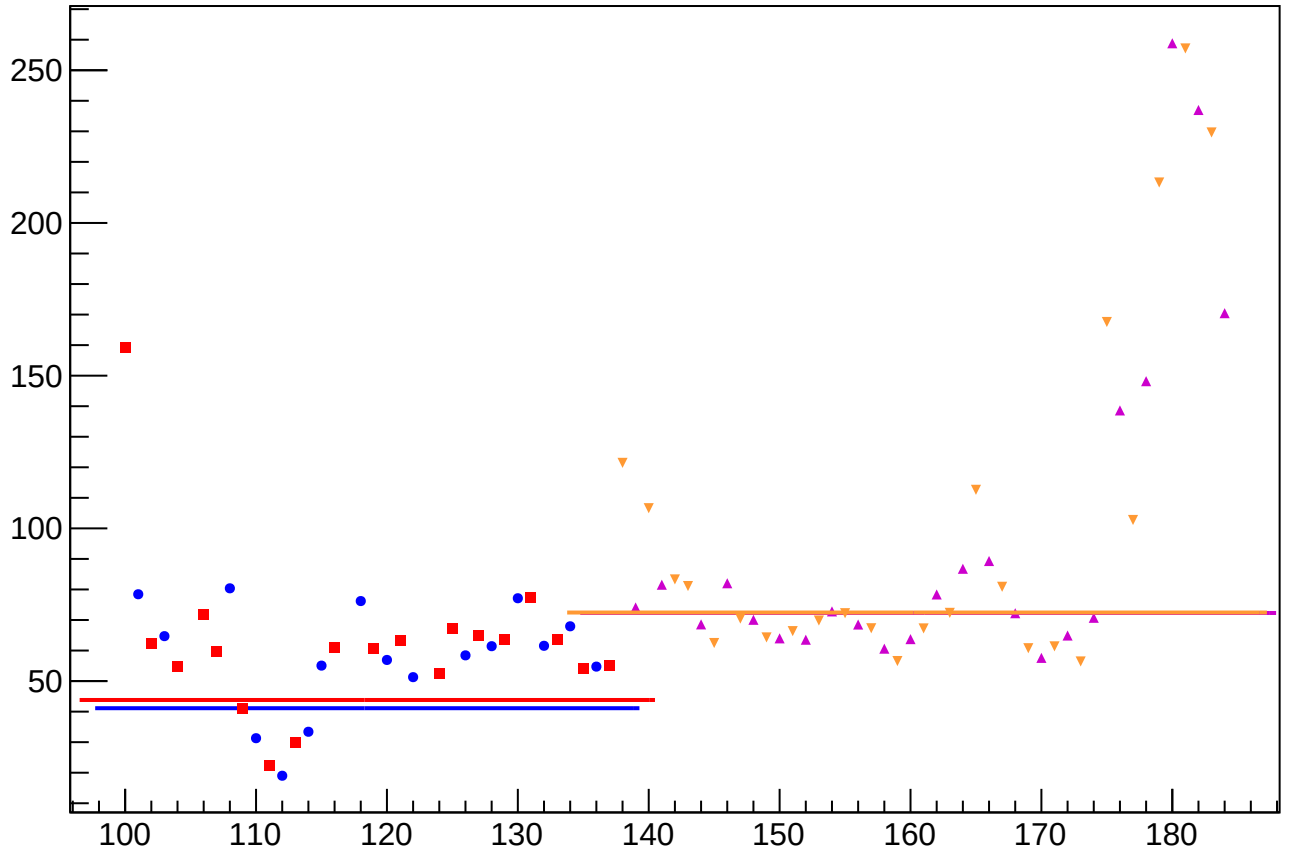
Left: -0.003+/-0.013 χ^2/NDF: 45.3/46

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:43.8/38

Out: -0.007+/-0.013 χ^2/NDF:40.5/42

All: 0.012+/-0.009 χ^2/NDF: 89.2/81



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: 72.298+/-0.013 χ^2/NDF:2790214.3/22

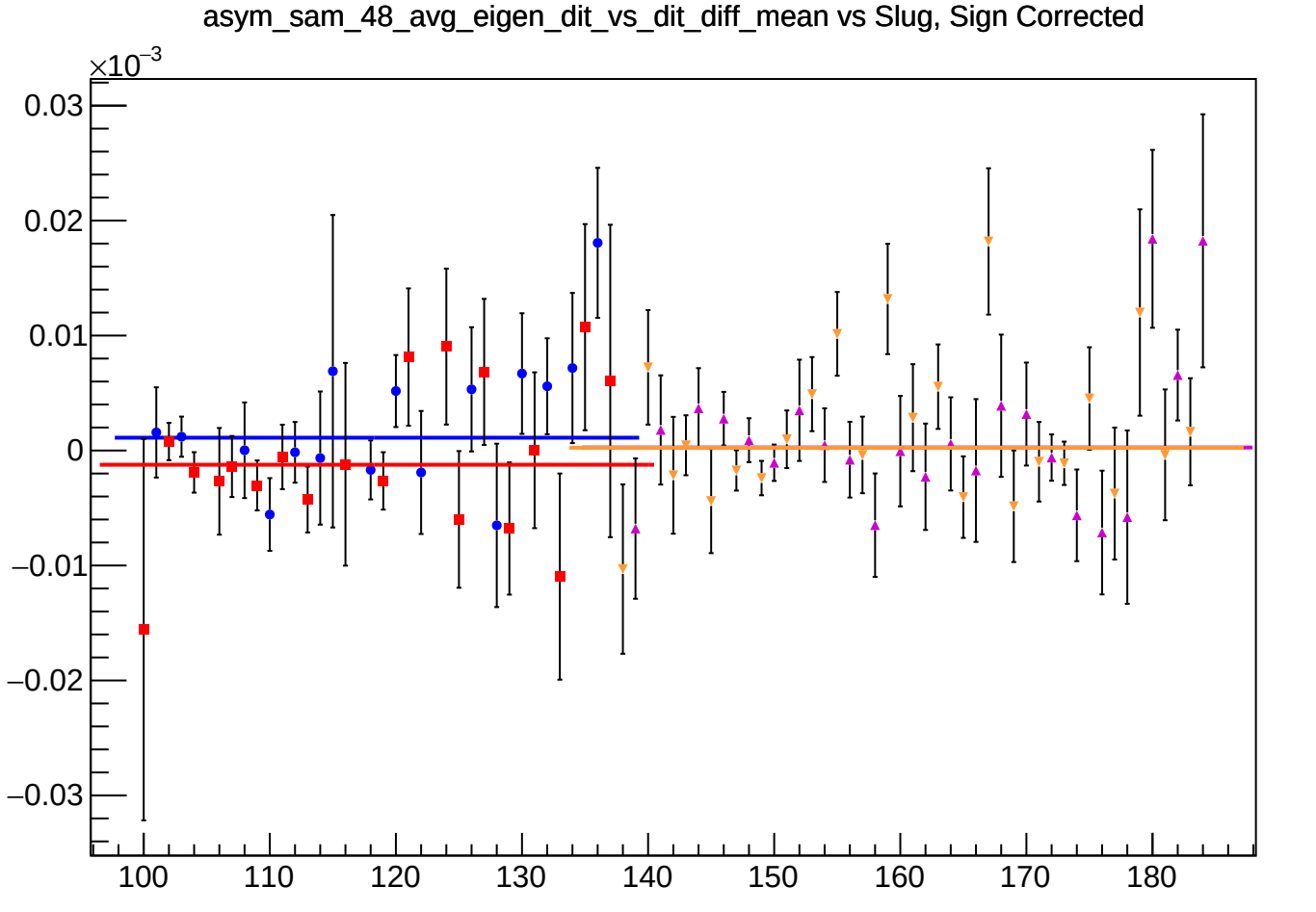
Left: 72.374+/-0.009 χ^2/NDF: 6542697.2/46

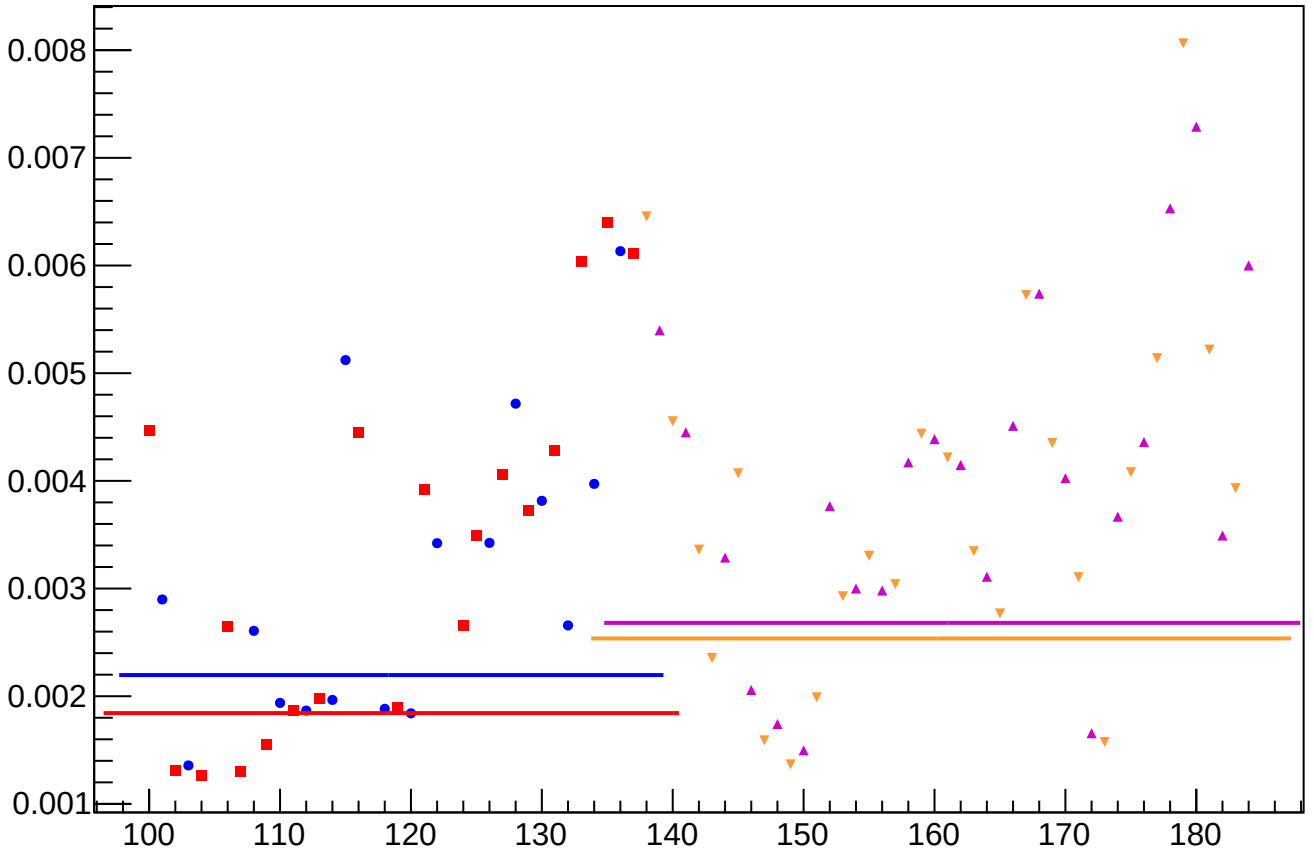
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 56.291+/-0.009 χ^2/NDF:8710620.3/38

Out: 58.088+/-0.009 χ^2/NDF:8344509.9/42

All: 57.193+/-0.006 χ^2/NDF: 17075110.1/81


asym_sam_48_avg_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
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: 0.000+/-0.000 χ²/NDF:43.4/23
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:24.1/22
Left: 0.000+/-0.000 χ²/NDF: 67.4/46
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:44.5/38
Out: -0.000+/-0.000 χ²/NDF:61.5/42
All: 0.000+/-0.000 χ²/NDF: 107.7/81



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:6504235.2/22

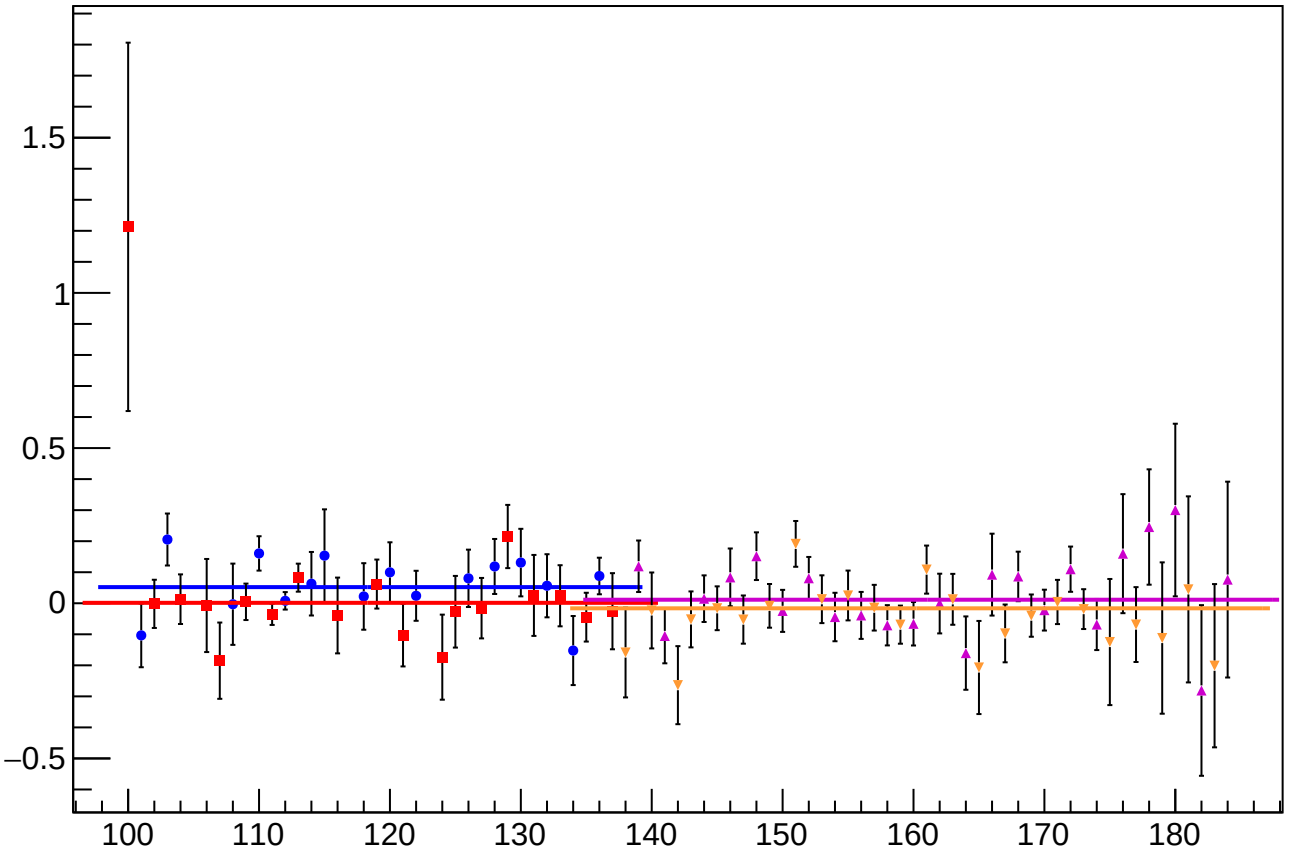
Left: 0.003+/-0.000 χ^2/NDF: 13873647.9/46

Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:9152296.3/38

Out: 0.002+/-0.000 χ^2/NDF:11411624.6/42

All: 0.002+/-0.000 χ^2/NDF: 20797861.0/81



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:23.3/22

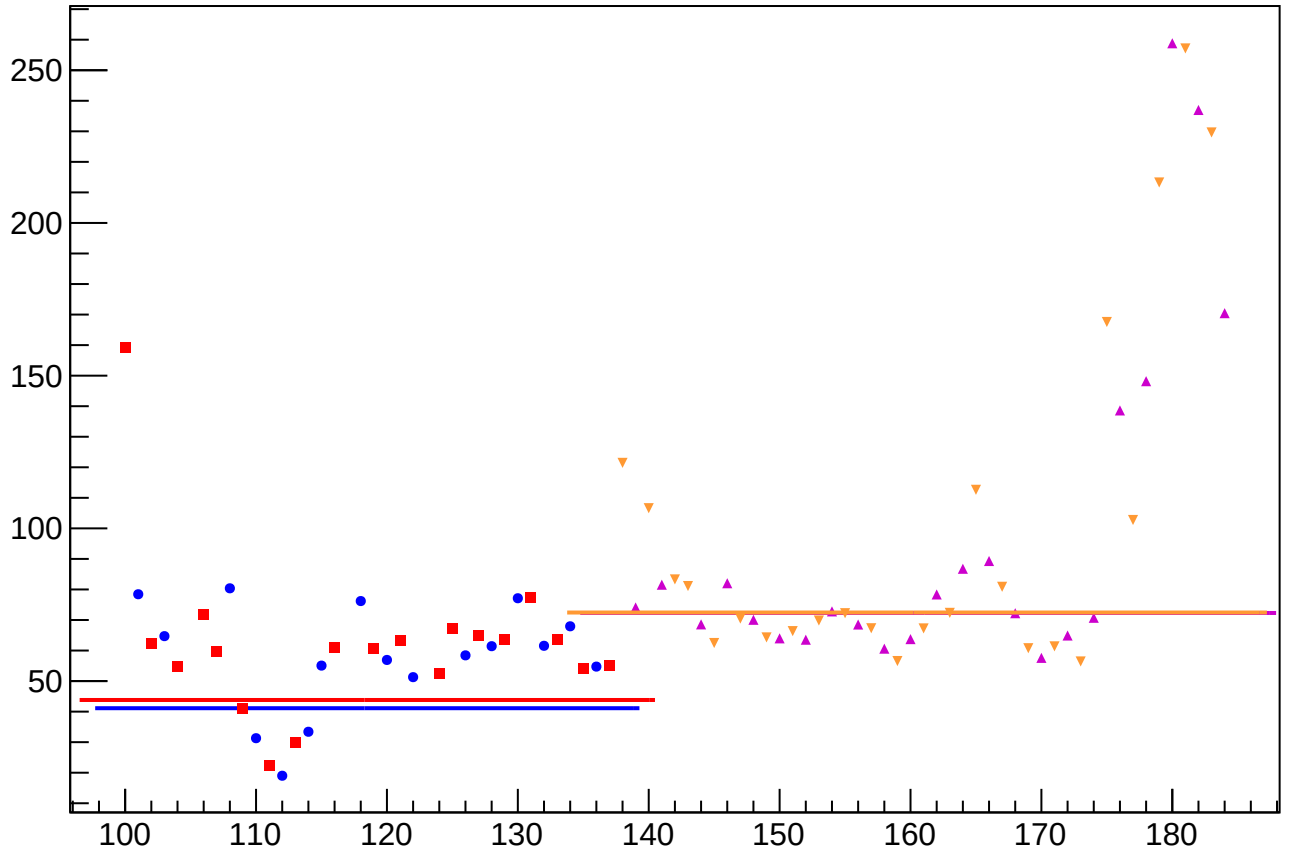
Left: -0.003+/-0.013 χ^2/NDF: 45.3/46

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:43.8/38

Out: -0.007+/-0.013 χ^2/NDF:40.5/42

All: 0.012+/-0.009 χ^2/NDF: 89.2/81



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: 72.298+/-0.013 χ^2/NDF:2790146.5/22

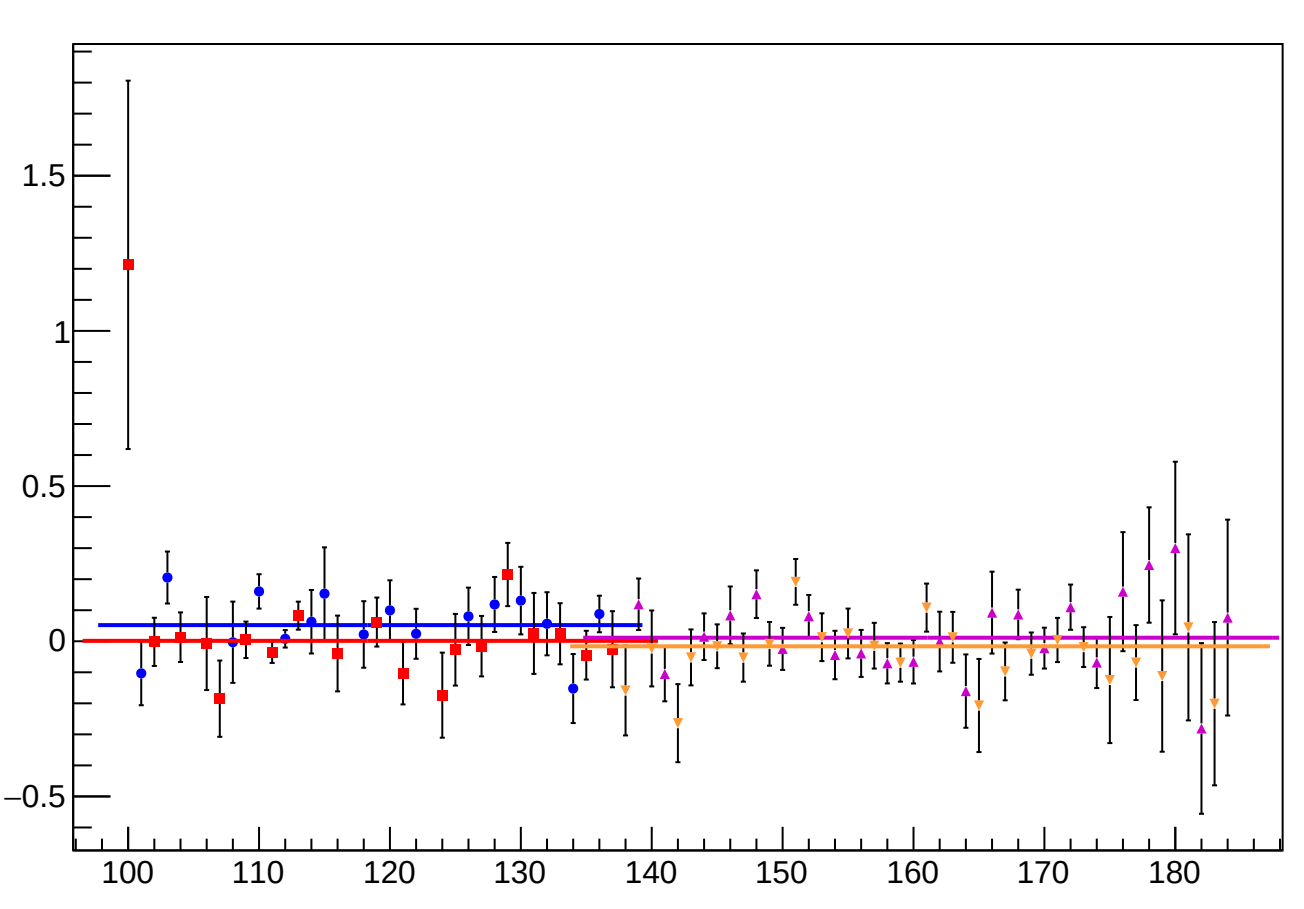
Left: 72.375+/-0.009 χ^2/NDF: 6542576.3/46

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 56.291+/-0.009 χ^2/NDF:8711027.8/38

Out: 58.088+/-0.009 χ^2/NDF:8344915.6/42

All: 57.192+/-0.006 χ^2/NDF: 17075925.3/81



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:23.3/22

Left: -0.003+/-0.013 χ^2/NDF: 45.3/46

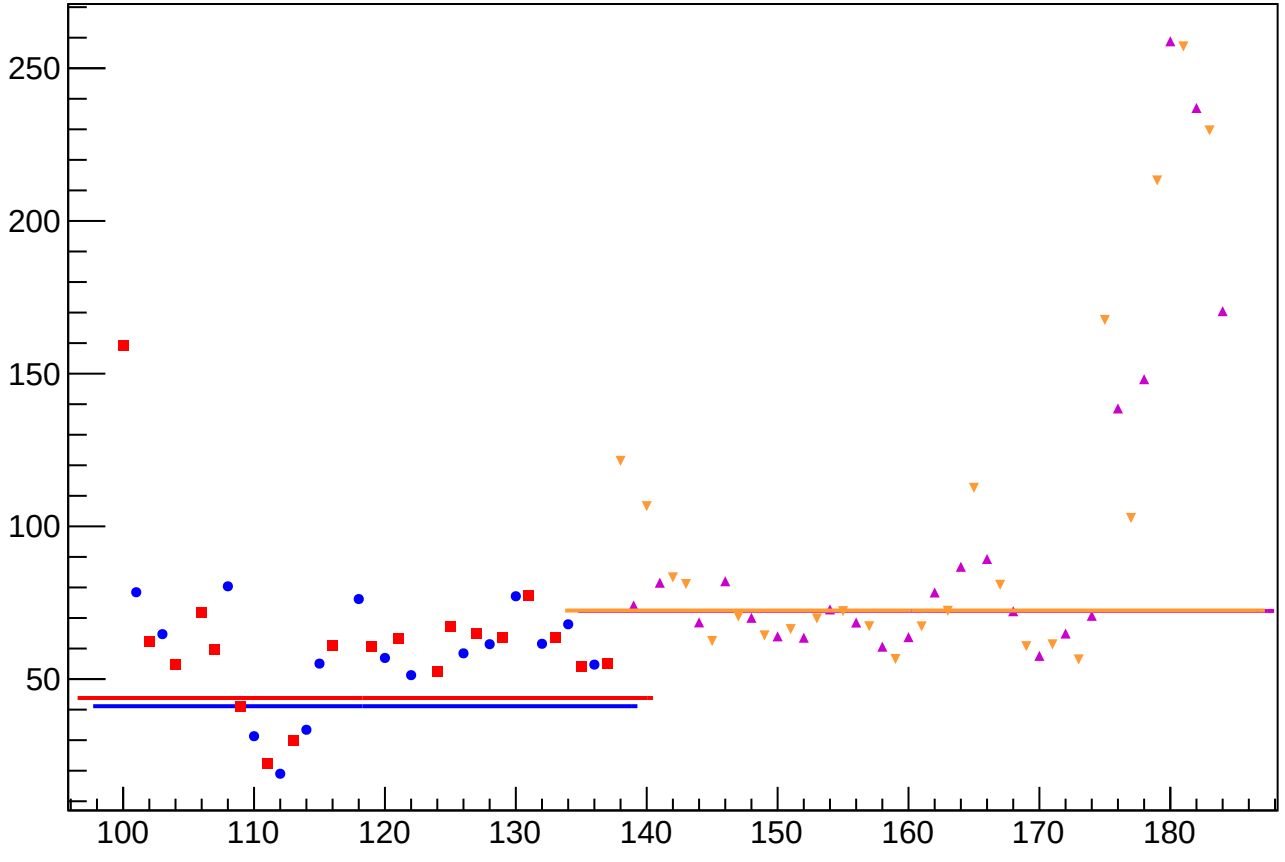
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:43.8/38

Out: -0.007+/-0.013 χ^2/NDF:40.5/42

All: 0.012+/-0.009 χ^2/NDF: 89.2/81

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: 72.298+/-0.013 χ^2/NDF:2790146.5/22

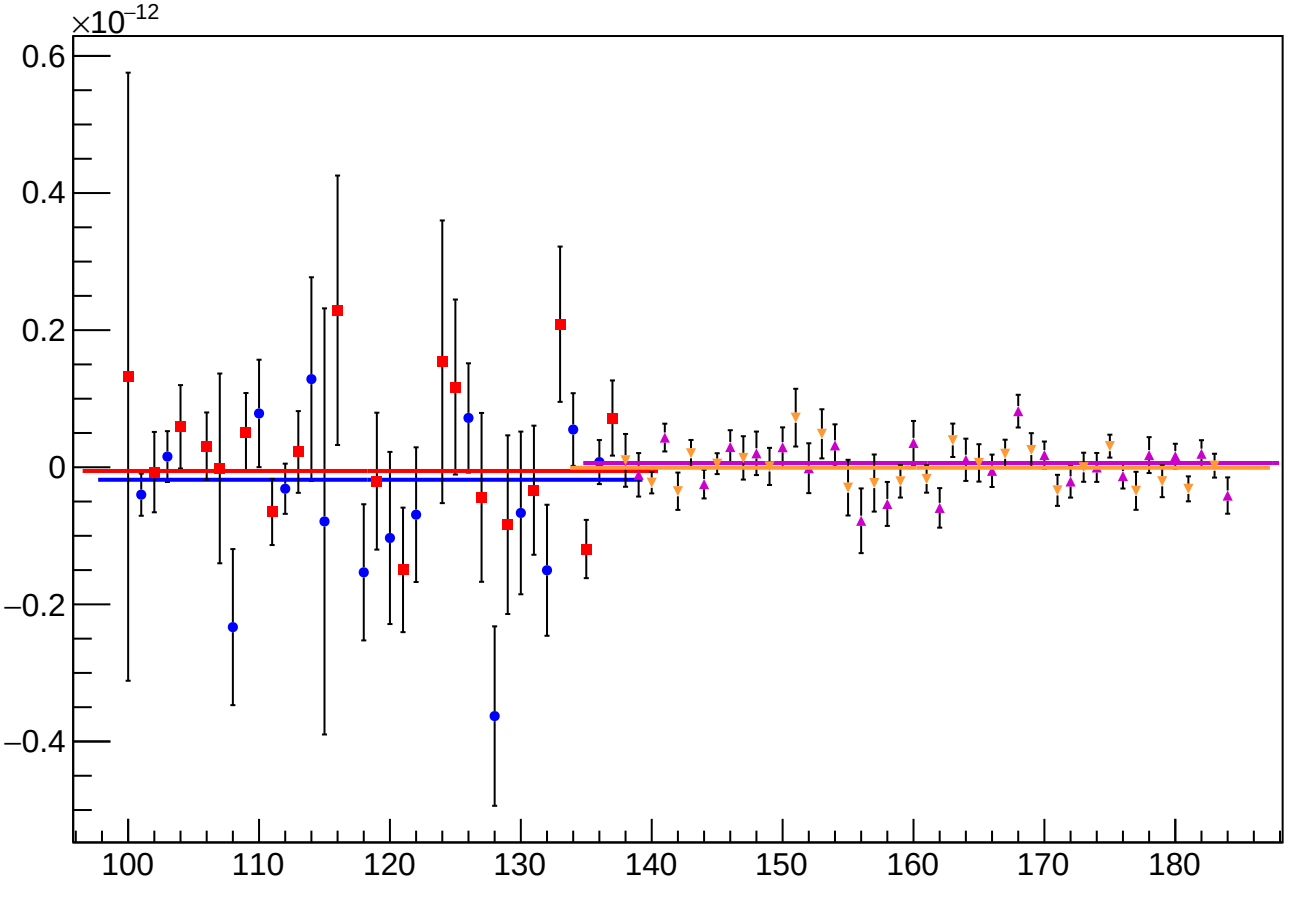
Left: 72.375+/-0.009 χ^2/NDF: 6542576.3/46

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 56.291+/-0.009 χ^2/NDF:8711027.8/38

Out: 58.088+/-0.009 χ^2/NDF:8344915.6/42

All: 57.192+/-0.006 χ^2/NDF: 17075925.3/81



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:38.3/22

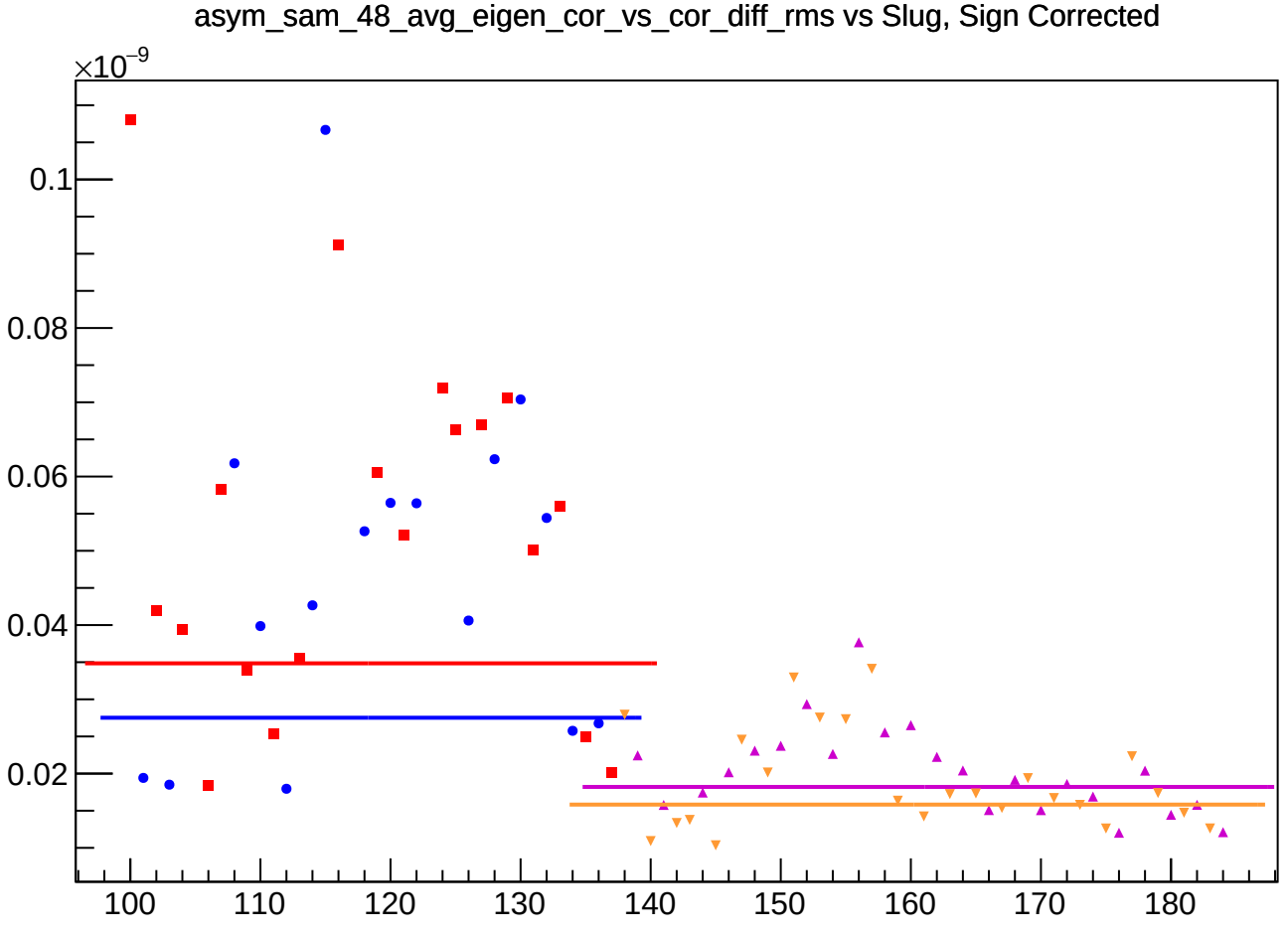
Left: 0.000+/-0.000 χ^2/NDF: 67.1/46

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:63.8/38

Out: -0.000+/-0.000 χ^2/NDF:51.2/42

All: 0.000+/-0.000 χ^2/NDF: 115.5/81



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:1621439.8/22

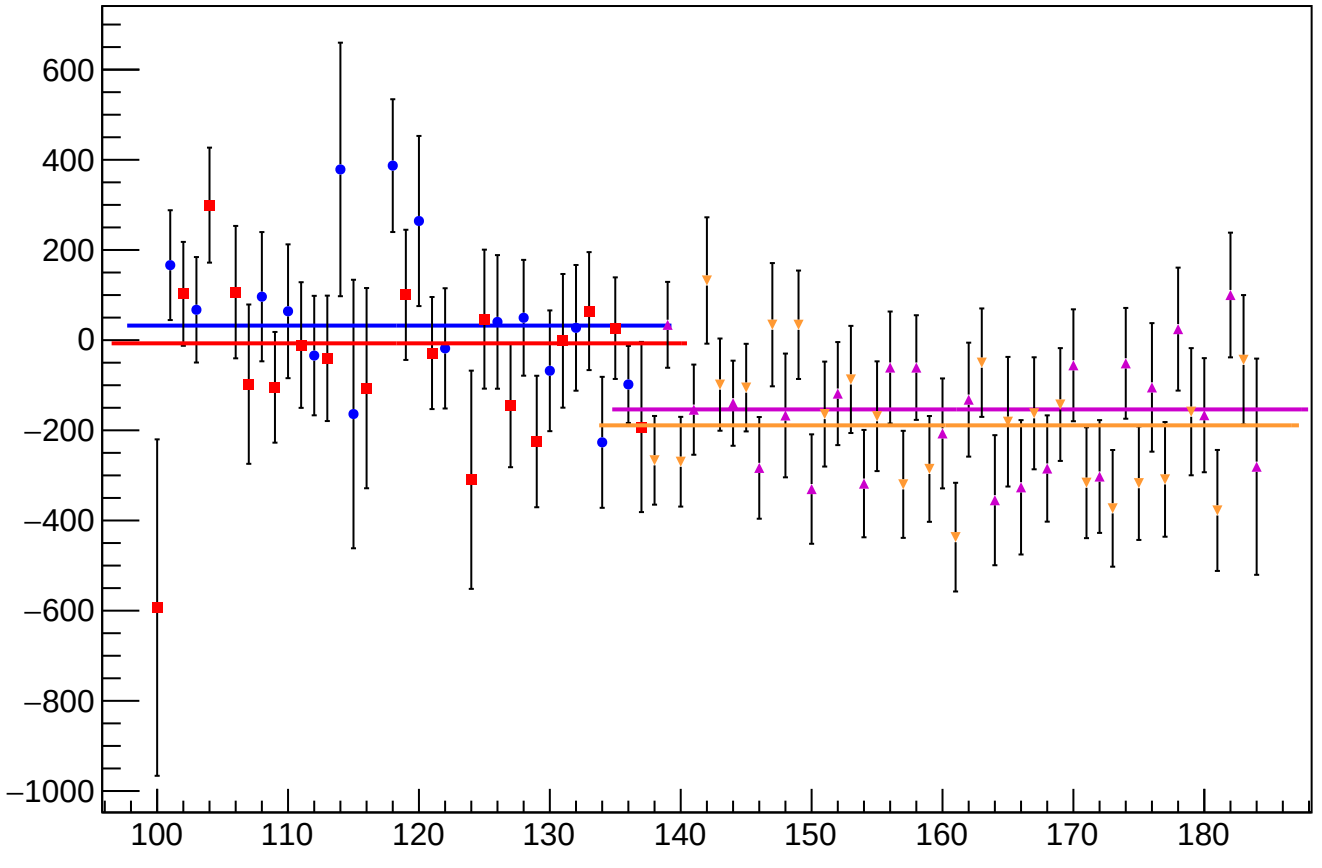
Left: 0.000+/-0.000 χ^2/NDF: 4185843.6/46

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:4162536.5/38

Out: 0.000+/-0.000 χ^2/NDF:6416847.6/42

All: 0.000+/-0.000 χ^2/NDF: 10776870.6/81



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: -153.627+/-25.538 χ^2/NDF:23.5/22

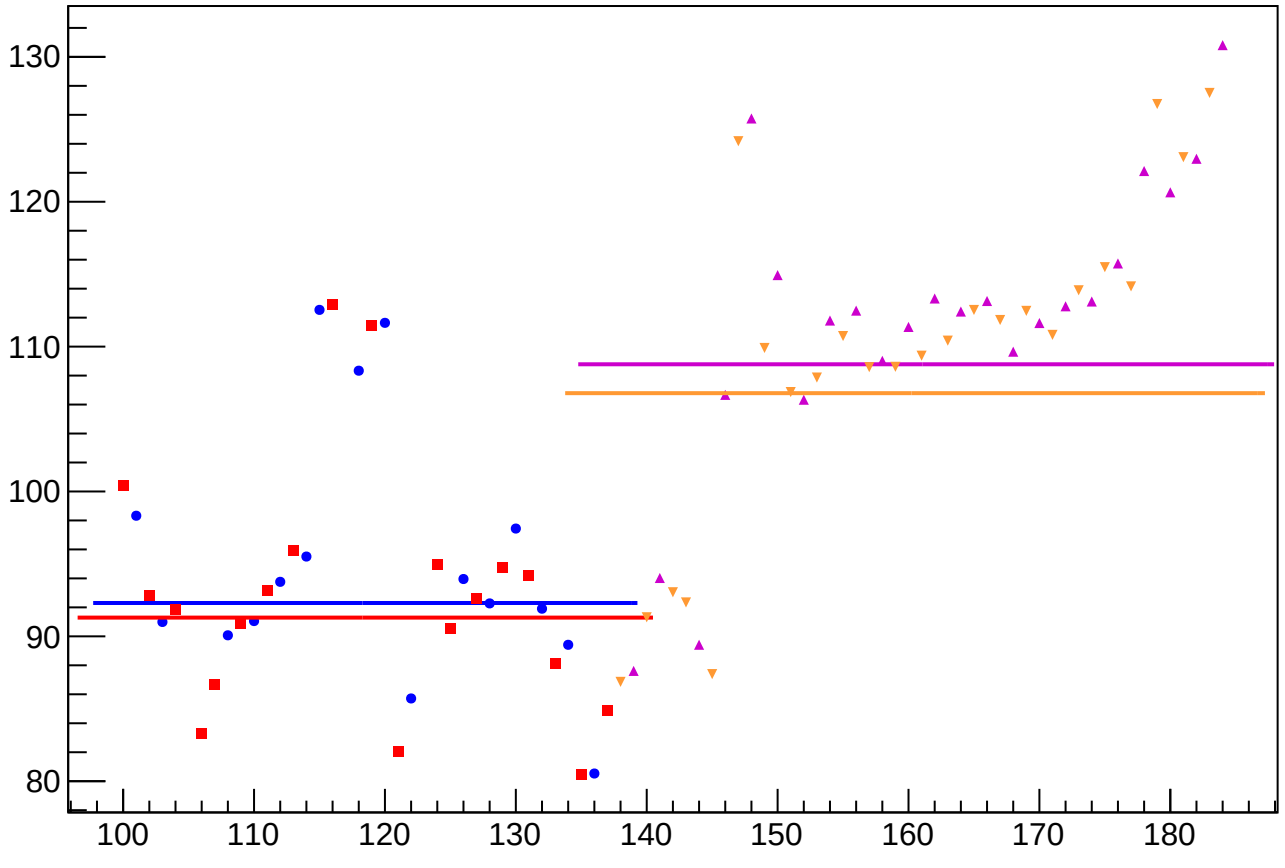
Left: -171.974+/-17.709 χ^2/NDF: 55.2/46

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -87.637+/-20.511 χ^2/NDF:59.6/38

Out: -125.119+/-19.800 χ^2/NDF:67.7/42

All: -107.039+/-14.246 χ^2/NDF: 129.0/81



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: 108.781+/-0.018 χ^2/NDF:358436.3/22

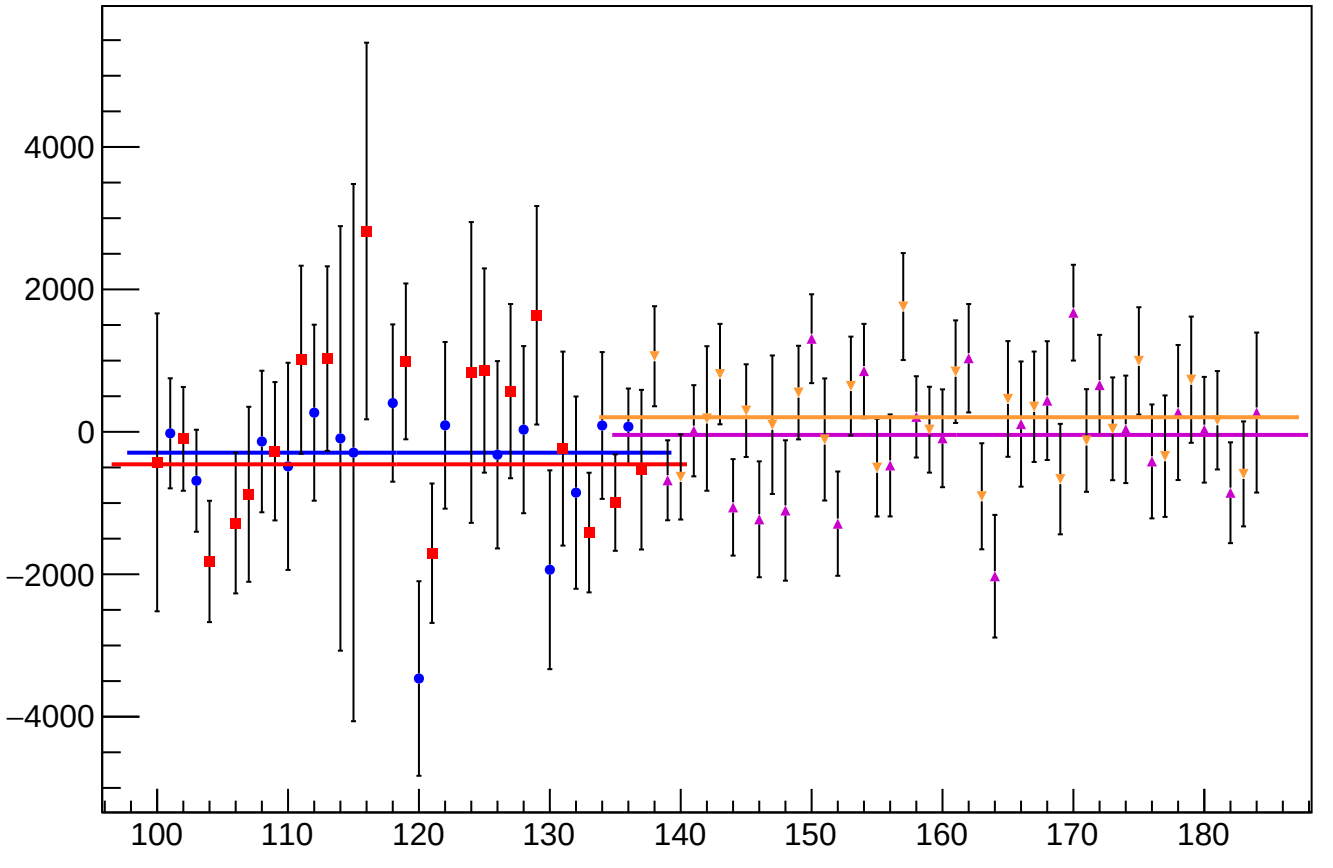
Left: 107.746+/-0.013 χ^2/NDF: 819994.4/46

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 102.932+/-0.015 χ^2/NDF:761041.2/38

Out: 101.348+/-0.014 χ^2/NDF:839282.0/42

All: 102.112+/-0.010 χ^2/NDF: 1606494.1/81



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: -43.249+/-152.059 χ^2/NDF:33.7/22

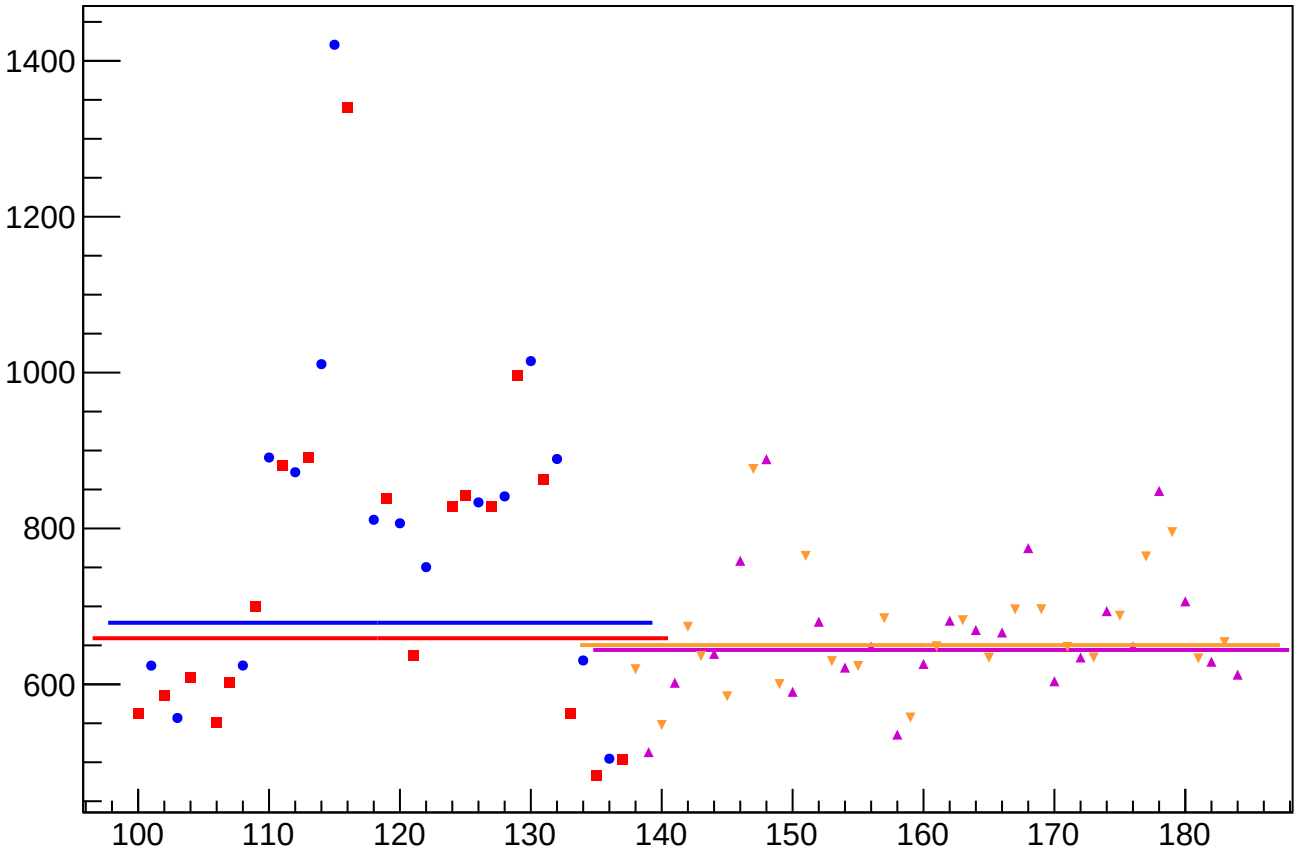
Left: 82.494+/-106.820 χ^2/NDF: 53.2/46

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -106.952+/-131.219 χ^2/NDF:43.2/38

Out: 28.591+/-128.507 χ^2/NDF:40.2/42

All: -37.765+/-91.812 χ^2/NDF: 83.9/81



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: 644.072+/-0.108 χ^2/NDF:559119.9/22

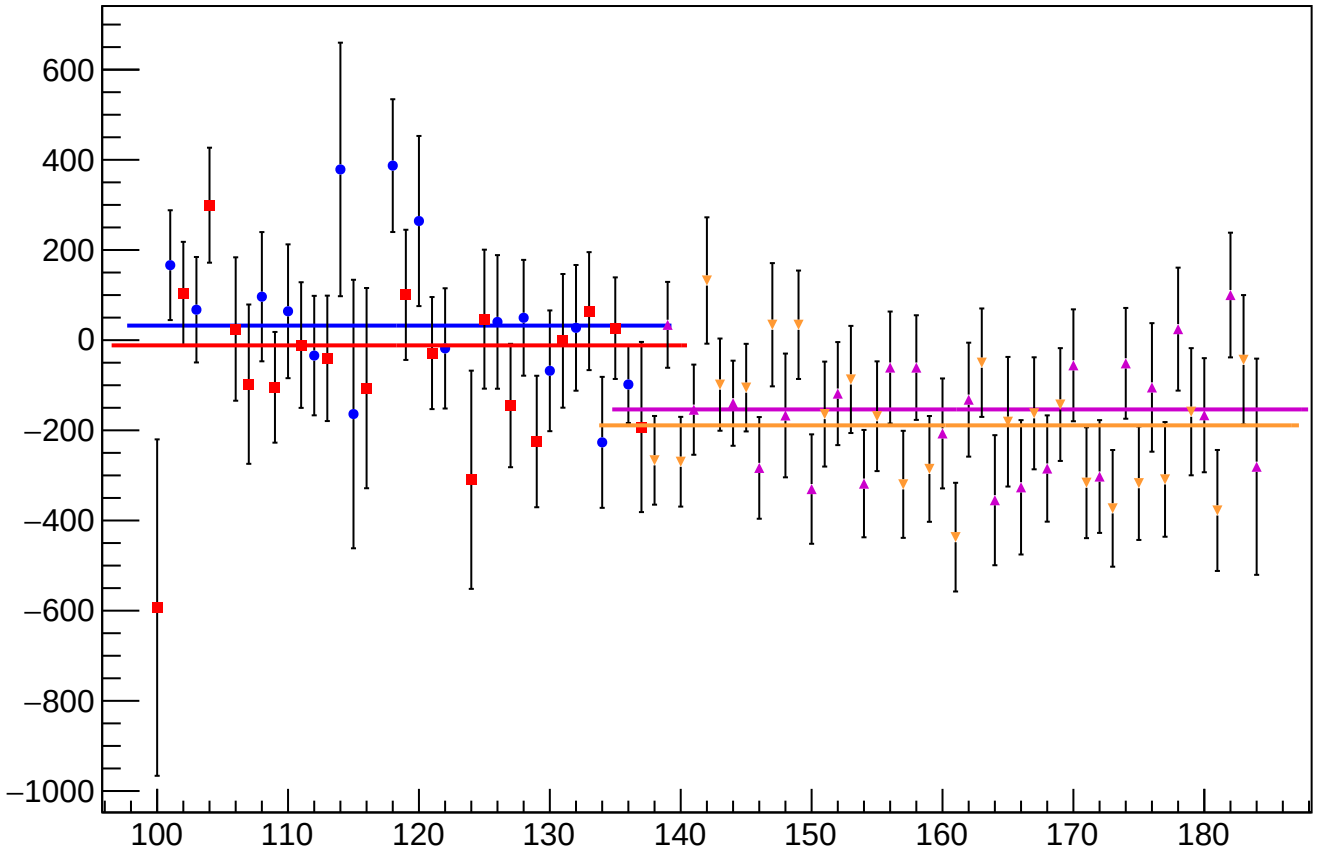
Left: 647.245+/-0.076 χ^2/NDF: 972285.1/46

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 652.991+/-0.093 χ^2/NDF:1354049.7/38

Out: 652.685+/-0.091 χ^2/NDF:1209157.2/42

All: 652.835+/-0.065 χ^2/NDF: 2563212.4/81



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: -153.632+/-25.538 χ^2/NDF:23.5/22

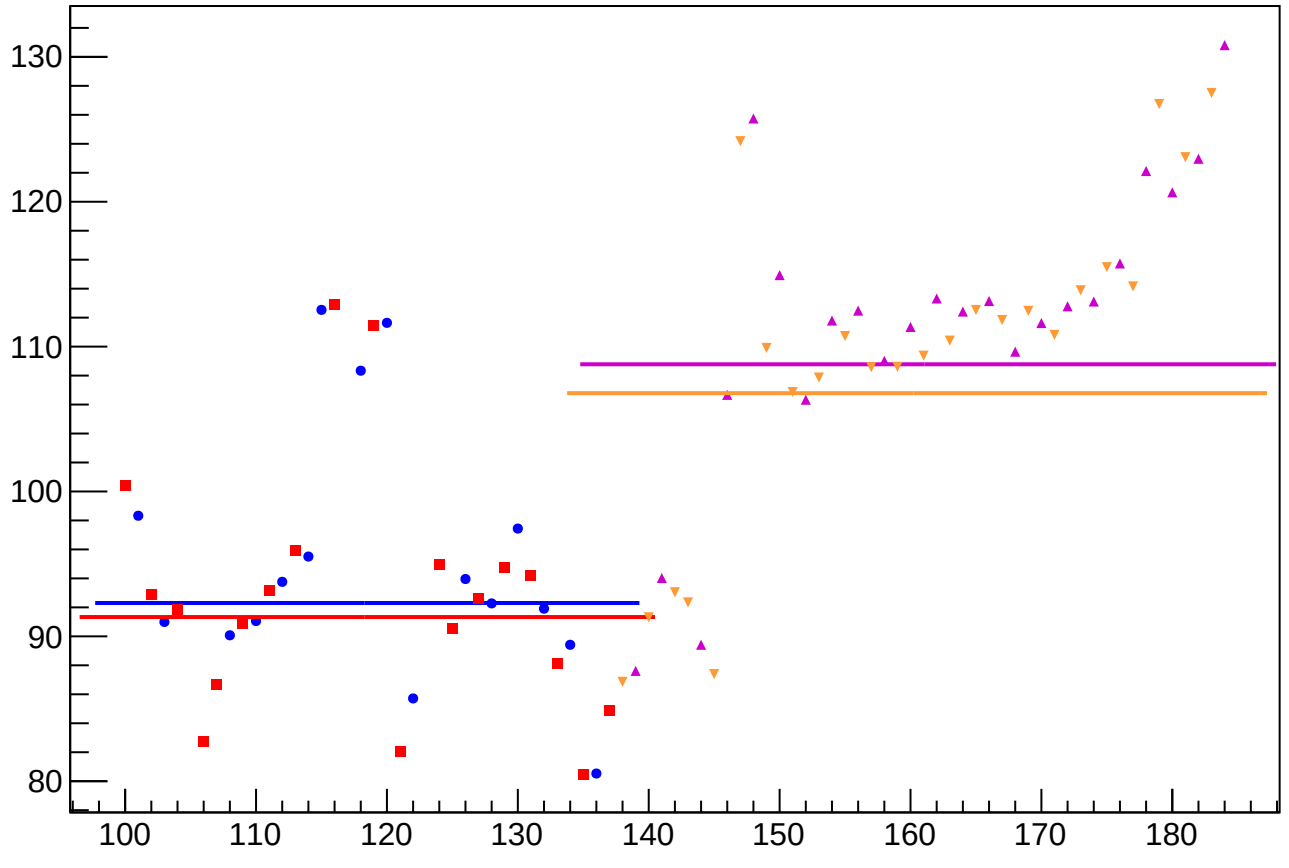
Left: -171.977+/-17.709 χ^2/NDF: 55.2/46

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -87.635+/-20.511 χ^2/NDF:59.6/38

Out: -127.010+/-19.827 χ^2/NDF:66.1/42

All: -107.991+/-14.255 χ^2/NDF: 127.6/81



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: 108.781+/-0.018 χ^2/NDF:358436.4/22

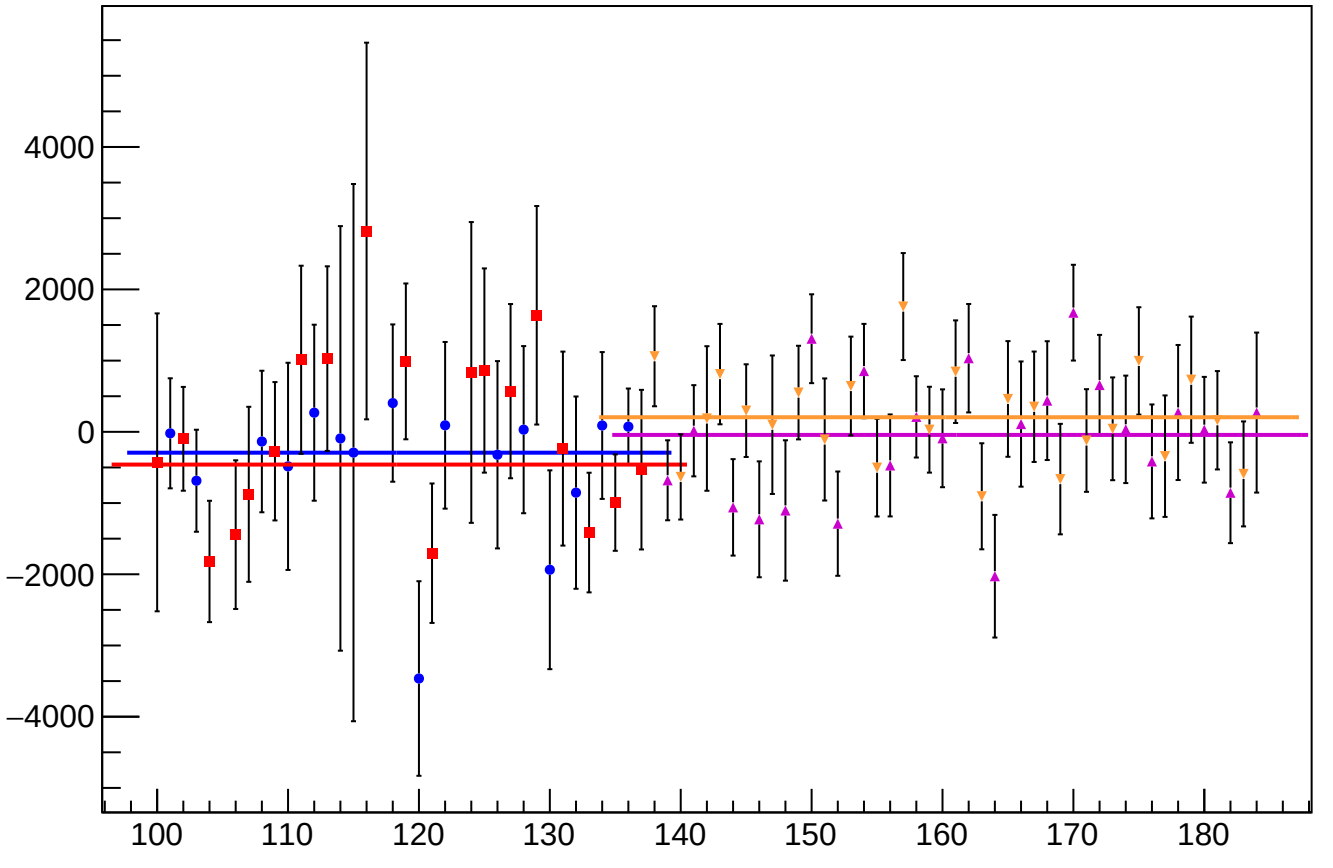
Left: 107.746+/-0.013 χ^2/NDF: 819994.5/46

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 102.932+/-0.015 χ^2/NDF:761041.1/38

Out: 101.389+/-0.014 χ^2/NDF:836342.6/42

All: 102.134+/-0.010 χ^2/NDF: 1603235.7/81



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: -43.251+/-152.059 χ^2/NDF:33.7/22

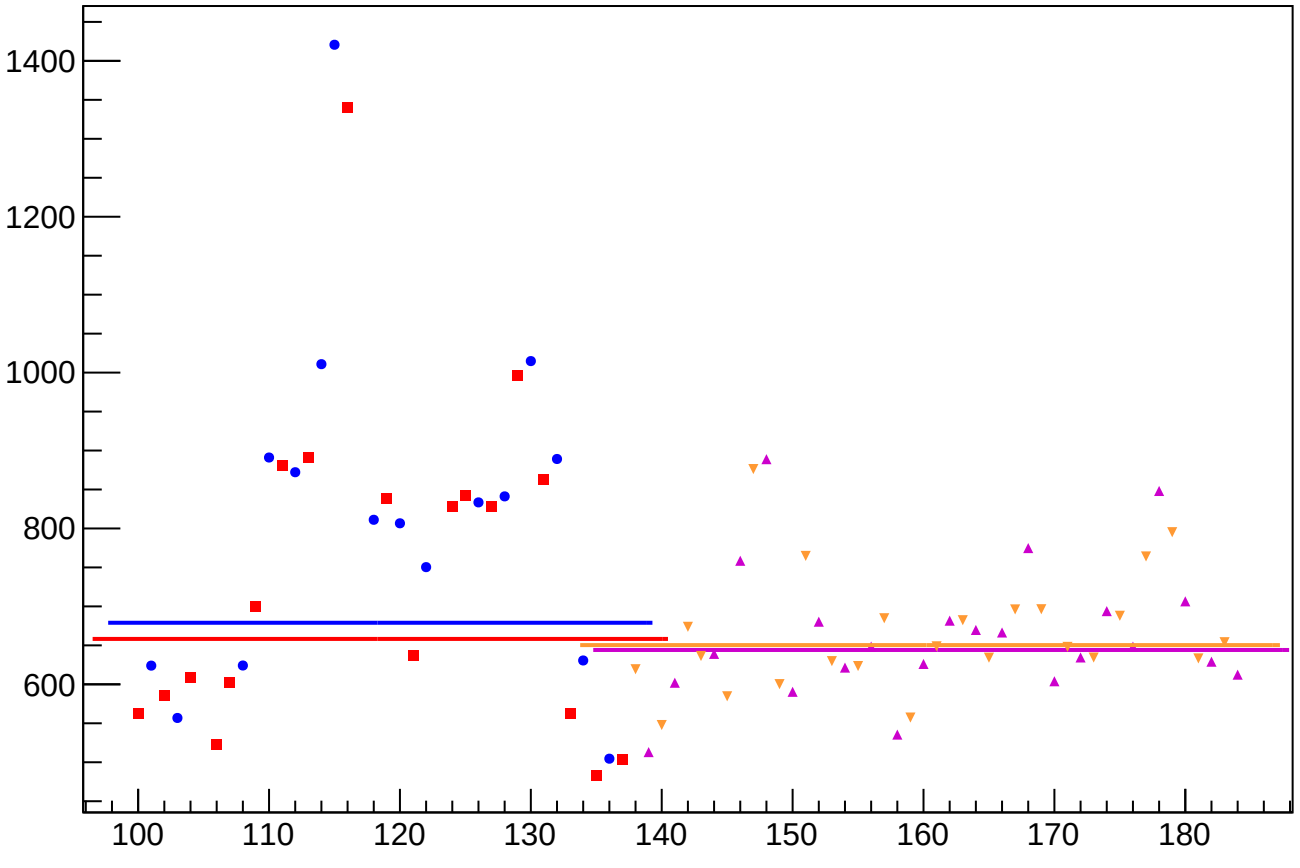
Left: 82.491+/-106.820 χ^2/NDF: 53.2/46

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -106.953+/-131.219 χ^2/NDF:43.2/38

Out: 28.444+/-128.621 χ^2/NDF:40.4/42

All: -37.901+/-91.854 χ^2/NDF: 84.2/81



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: 644.072+/-0.108 χ^2/NDF:559121.0/22

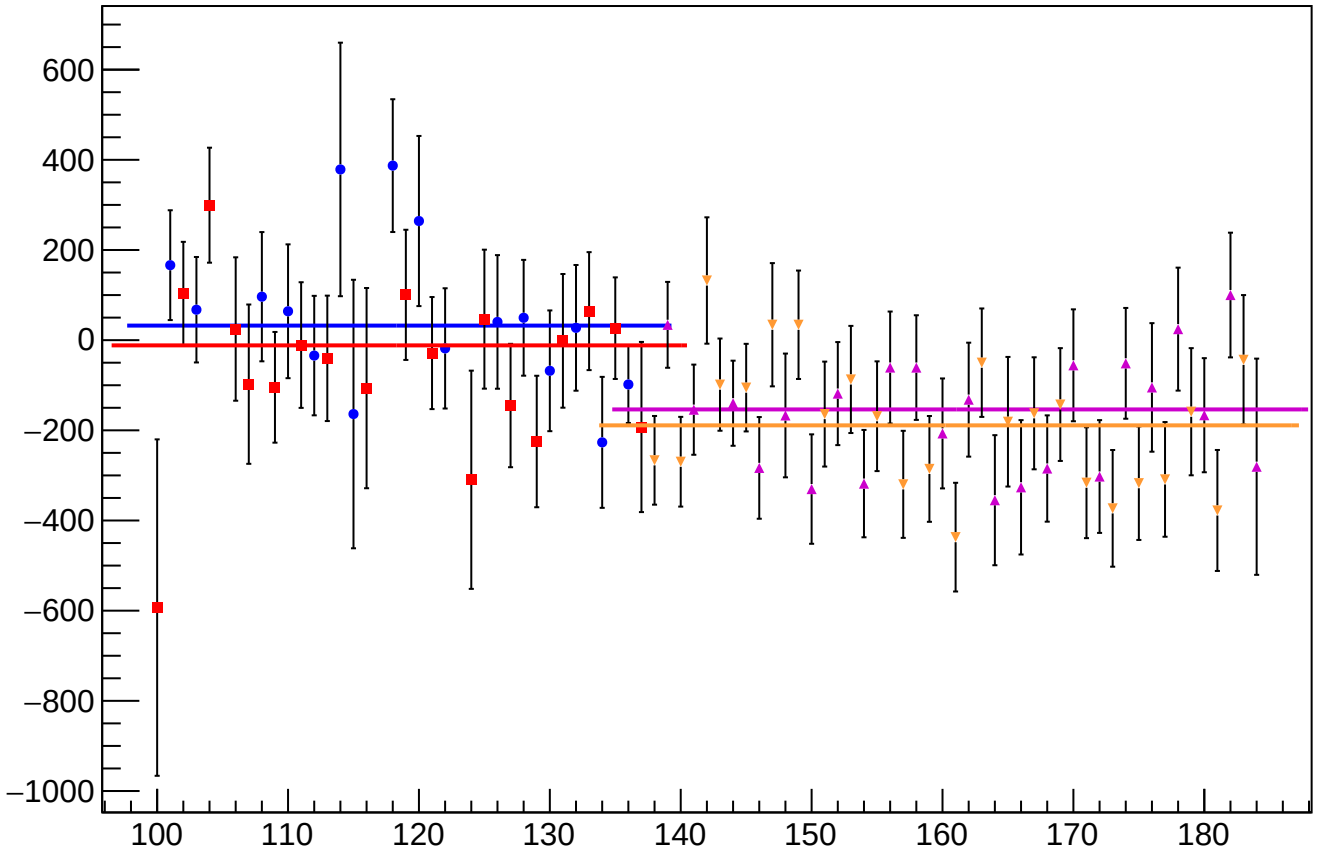
Left: 647.245+/-0.076 χ^2/NDF: 972287.1/46

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 652.991+/-0.093 χ^2/NDF:1354052.3/38

Out: 652.442+/-0.091 χ^2/NDF:1218825.8/42

All: 652.711+/-0.065 χ^2/NDF: 2572895.9/81



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: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -171.977+/-17.709 χ^2/NDF: 55.2/46

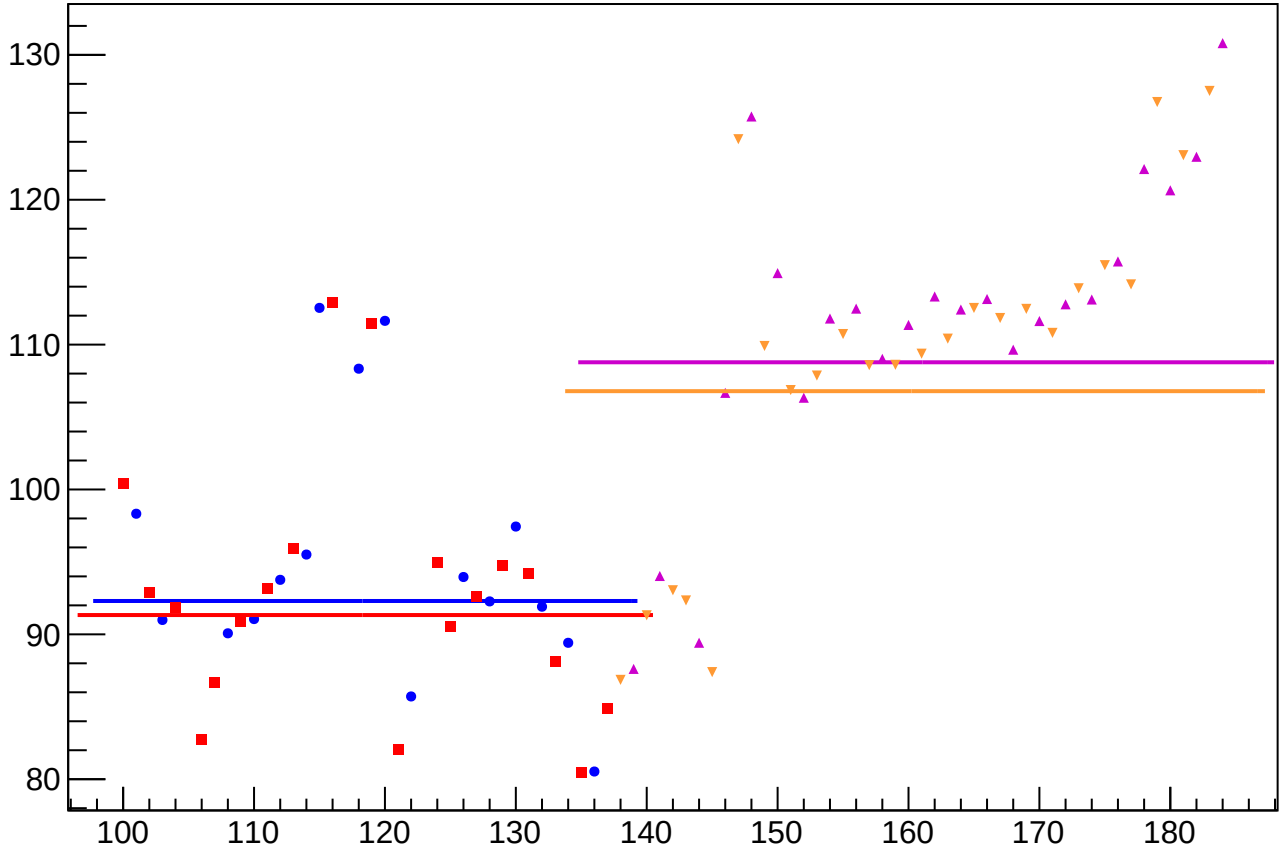
Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -87.635+/-20.511 χ^2/NDF:59.6/38

Out: -127.010+/-19.827 χ^2/NDF:66.1/42

All: -107.991+/-14.255 χ^2/NDF: 127.6/81

eigen_cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.787+/-0.017 χ^2/NDF:455230.1/23

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

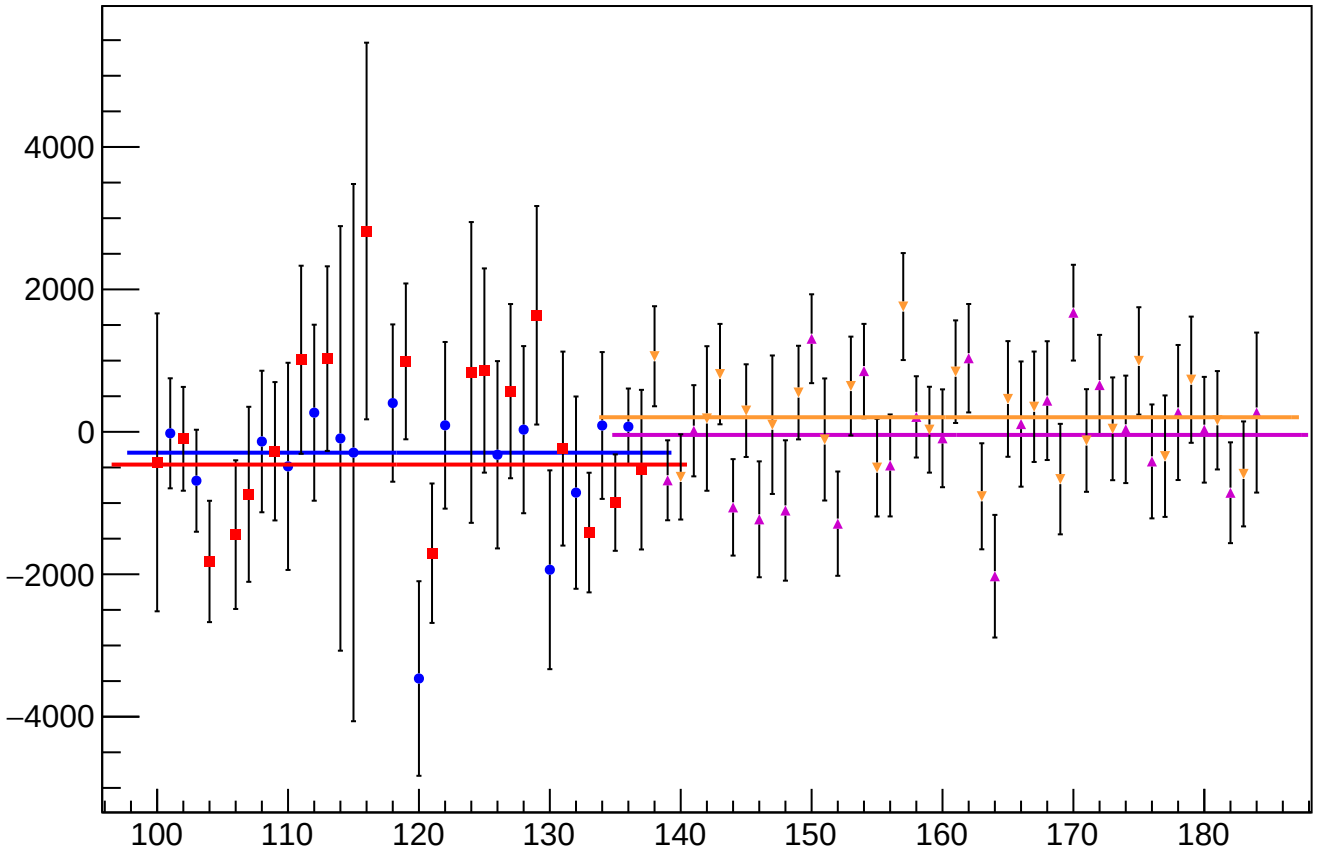
Left: 107.746+/-0.013 χ^2/NDF: 819994.5/46

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 102.932+/-0.015 χ^2/NDF:761041.1/38

Out: 101.389+/-0.014 χ^2/NDF:836342.6/42

All: 102.134+/-0.010 χ^2/NDF: 1603235.7/81



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: -43.251+/-152.059 χ^2/NDF:33.7/22

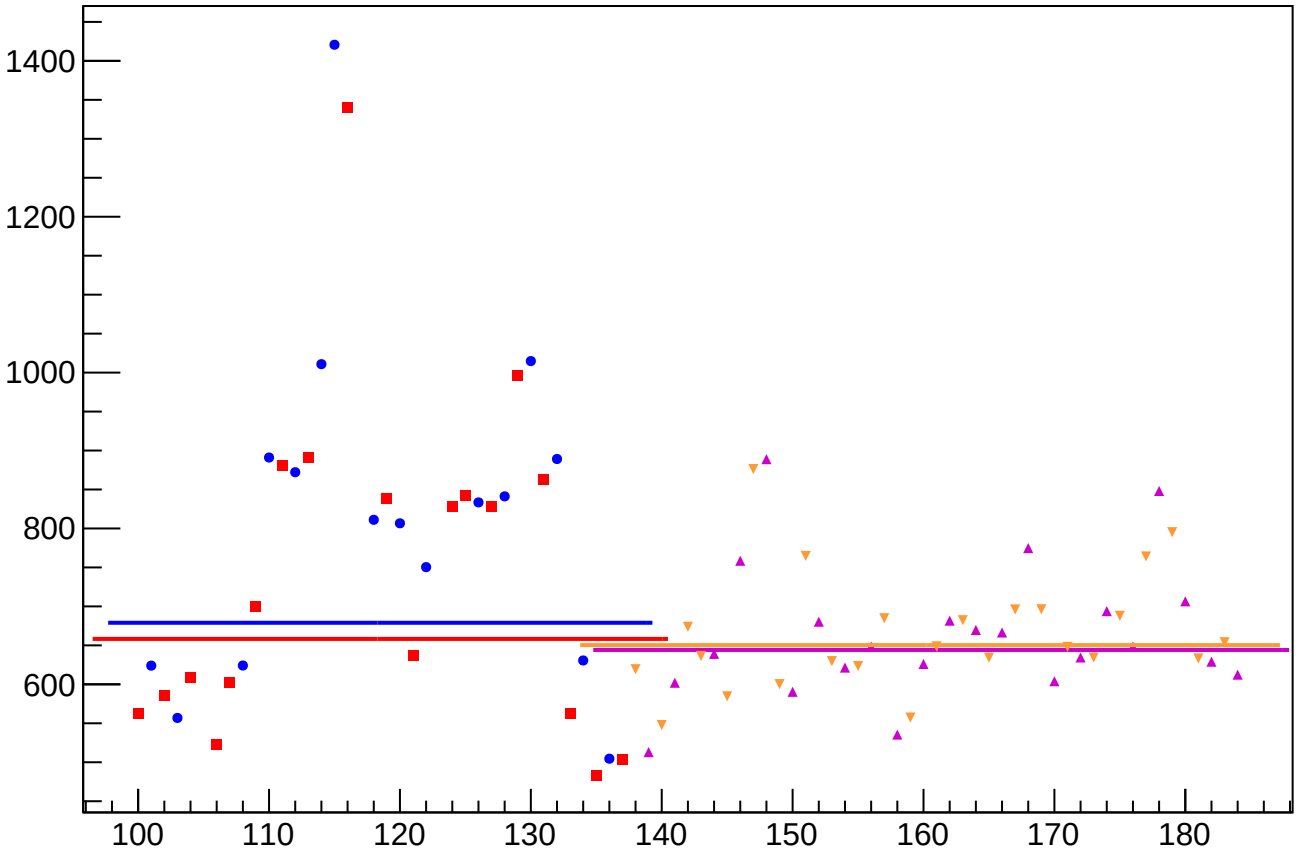
Left: 82.491+/-106.820 χ^2/NDF: 53.2/46

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -106.953+/-131.219 χ^2/NDF:43.2/38

Out: 28.444+/-128.621 χ^2/NDF:40.4/42

All: -37.901+/-91.854 χ^2/NDF: 84.2/81



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: 644.072+/-0.108 χ^2/NDF:559121.0/22

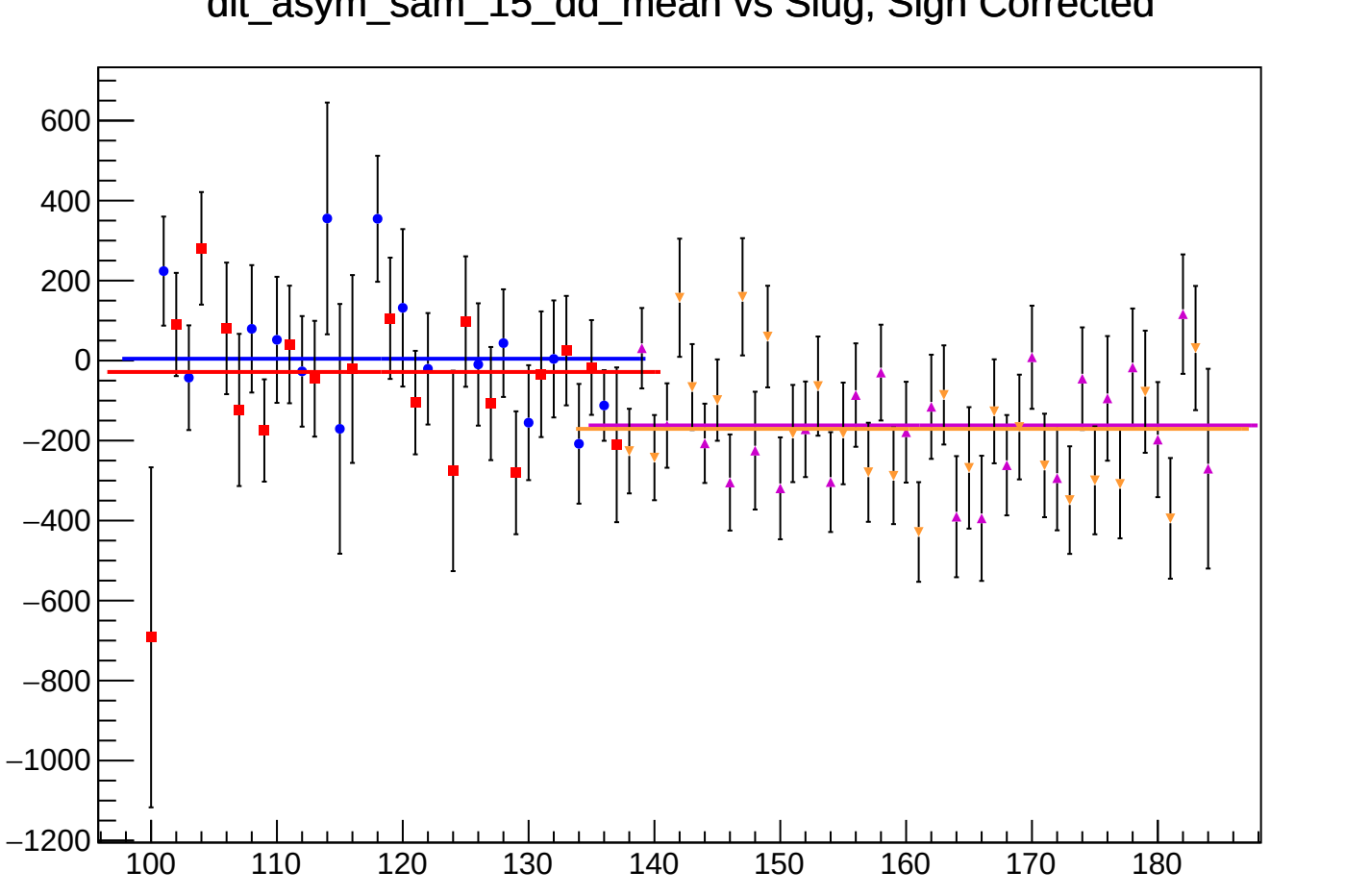
Left: 647.245+/-0.076 χ^2/NDF: 972287.1/46

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

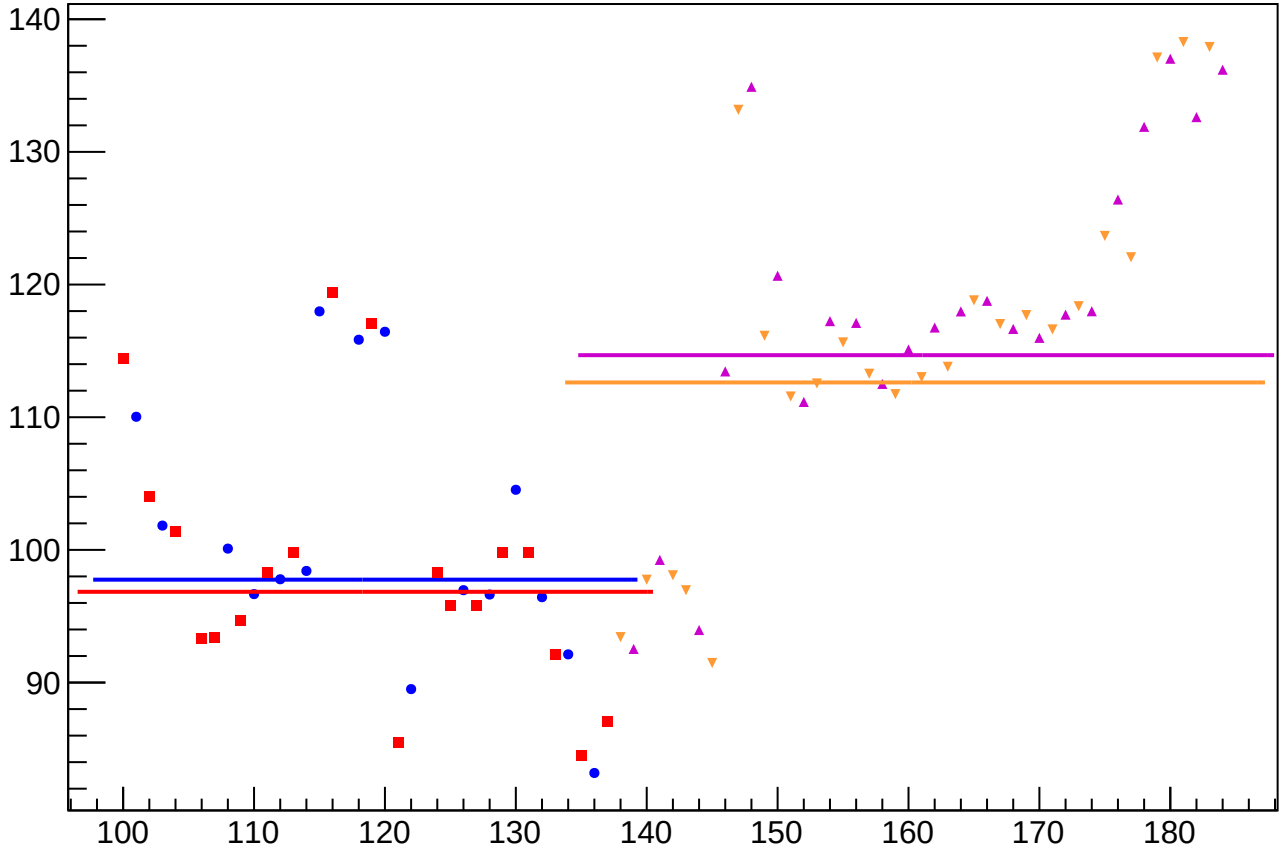
In: 652.991+/-0.093 χ^2/NDF:1354052.3/38

Out: 652.442+/-0.091 χ^2/NDF:1218825.8/42

All: 652.711+/-0.065 χ^2/NDF: 2572895.9/81


dit_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
170
180
Right In: 4.619+/-36.509 χ²/NDF: 15.3/15
Left Out: -170.698+/-25.938 χ²/NDF:31.7/23
Right Out: -28.407+/-35.465 χ²/NDF: 17.1/18
Left In: -162.028+/-26.948 χ²/NDF:23.6/22
Left: -166.528+/-18.688 χ²/NDF: 55.3/46
Right: -12.373+/-25.439 χ²/NDF: 32.9/34
In: -103.257+/-21.681 χ²/NDF:52.4/38
Out: -121.110+/-20.936 χ²/NDF:59.3/42
All: -112.496+/-15.061 χ²/NDF: 112.0/81

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: 114.677+/-0.019 χ^2/NDF:409932.2/22

Left: 113.610+/-0.013 χ^2/NDF: 911228.7/46

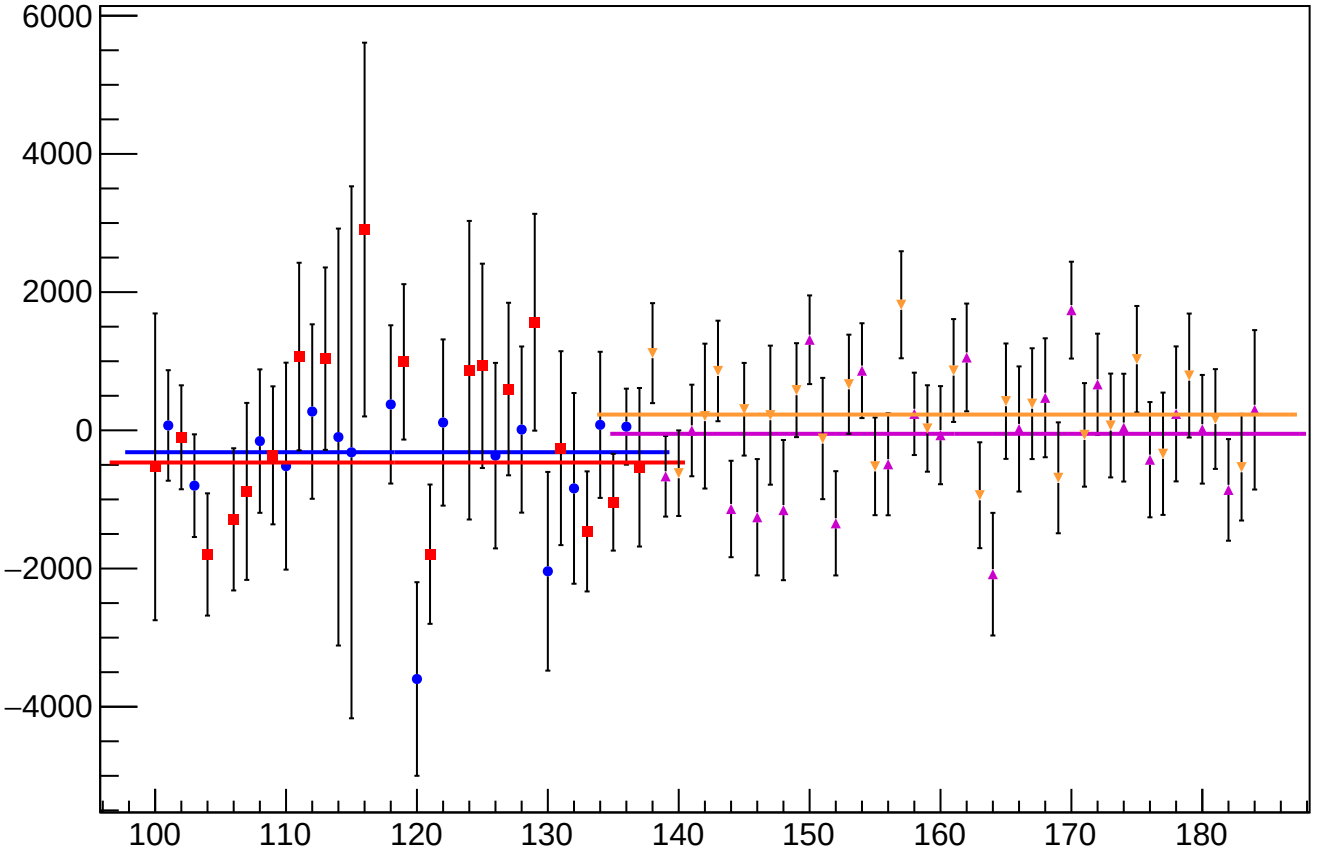
Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 108.710+/-0.015 χ^2/NDF:828696.2/38

Out: 107.121+/-0.015 χ^2/NDF:868435.6/42

All: 107.888+/-0.011 χ^2/NDF: 1702685.5/81

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: -50.266+/-157.485 χ^2/NDF:33.3/22

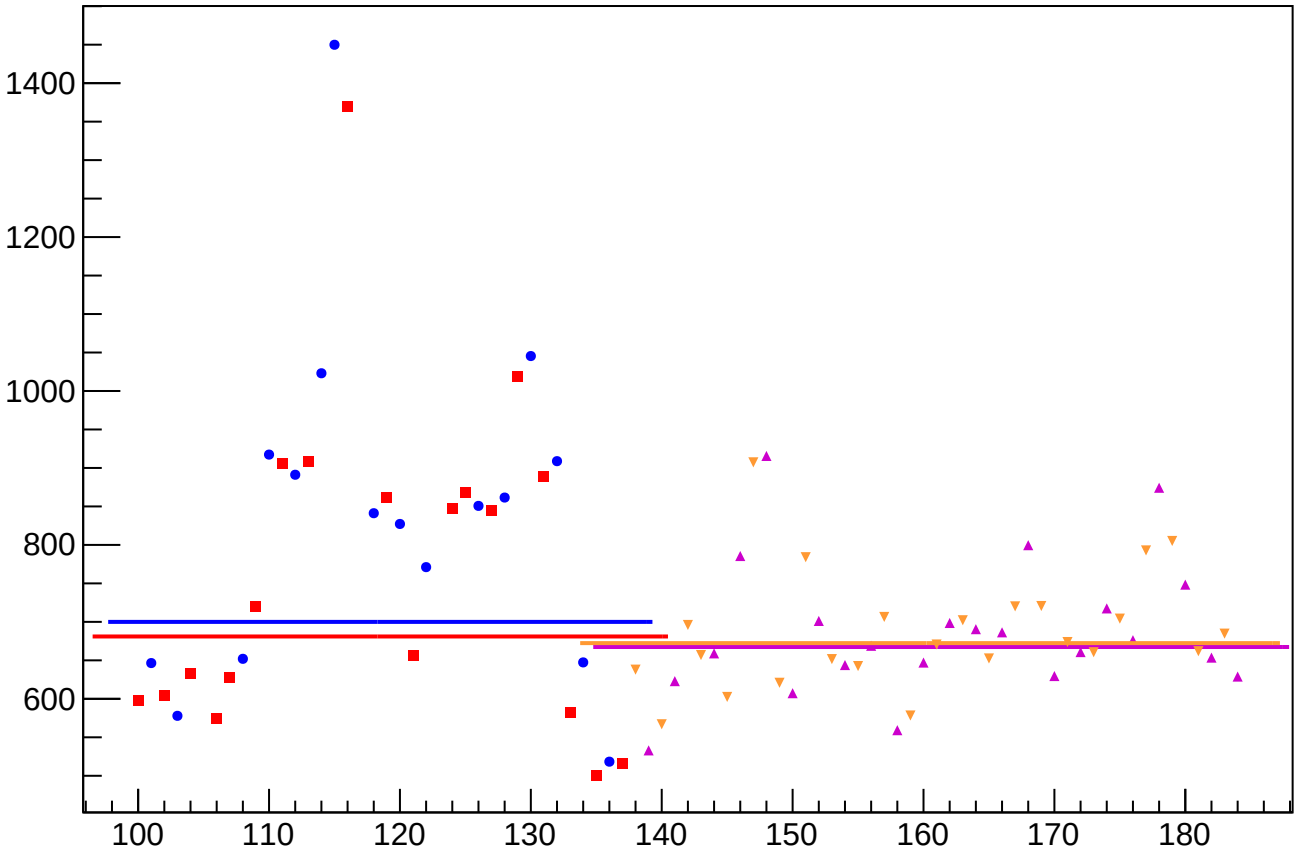
Left: 91.144+/-110.508 χ^2/NDF: 52.8/46

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -118.805+/-135.715 χ^2/NDF:43.2/38

Out: 42.676+/-132.746 χ^2/NDF:39.7/42

All: -36.279+/-94.898 χ^2/NDF: 83.7/81



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: 667.341+/-0.111 χ^2/NDF:546903.6/22

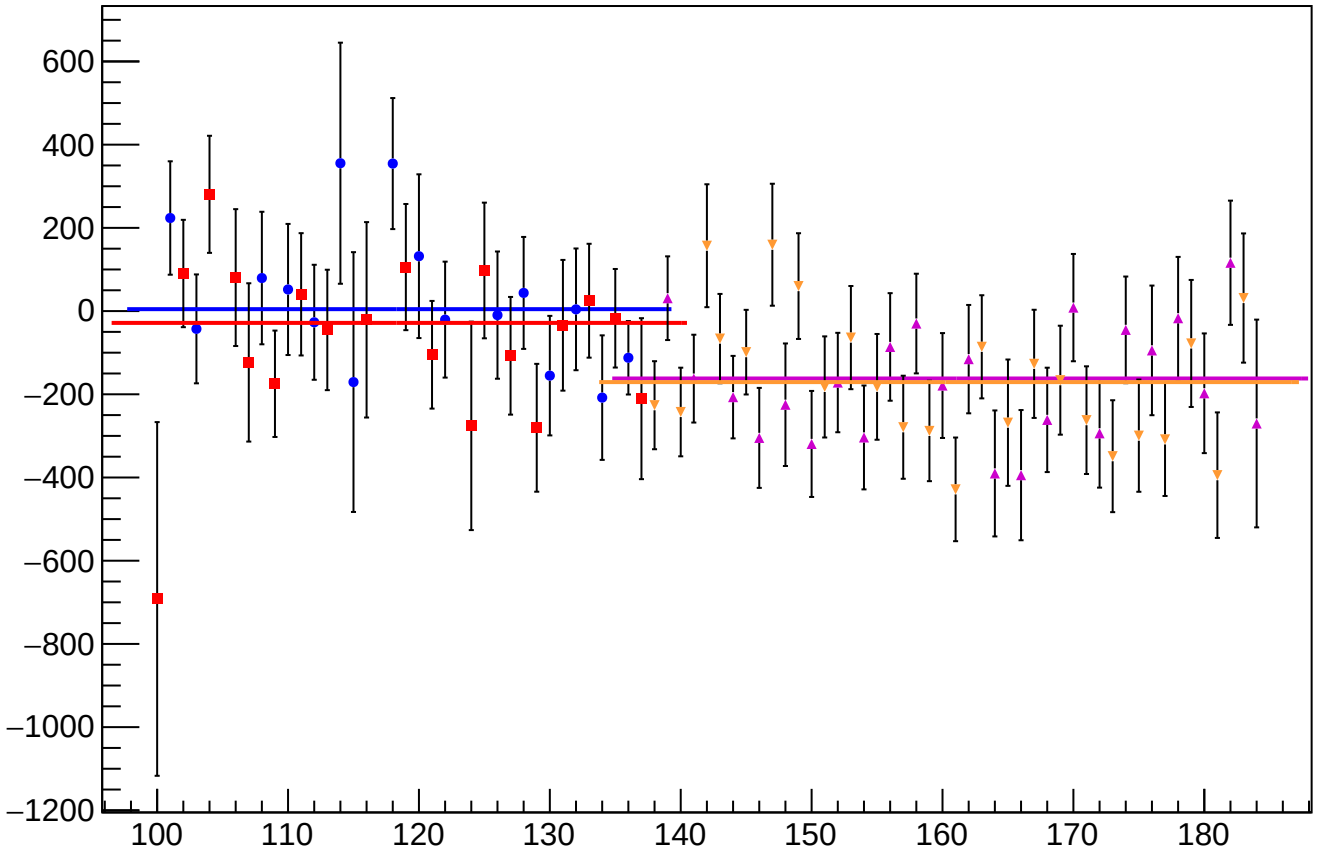
Left: 669.905+/-0.078 χ^2/NDF: 945492.5/46

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 675.740+/-0.096 χ^2/NDF:1322668.5/38

Out: 674.699+/-0.094 χ^2/NDF:1168597.0/42

All: 675.208+/-0.067 χ^2/NDF: 2491325.6/81



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: -162.028+/-26.948 χ^2/NDF:23.6/22

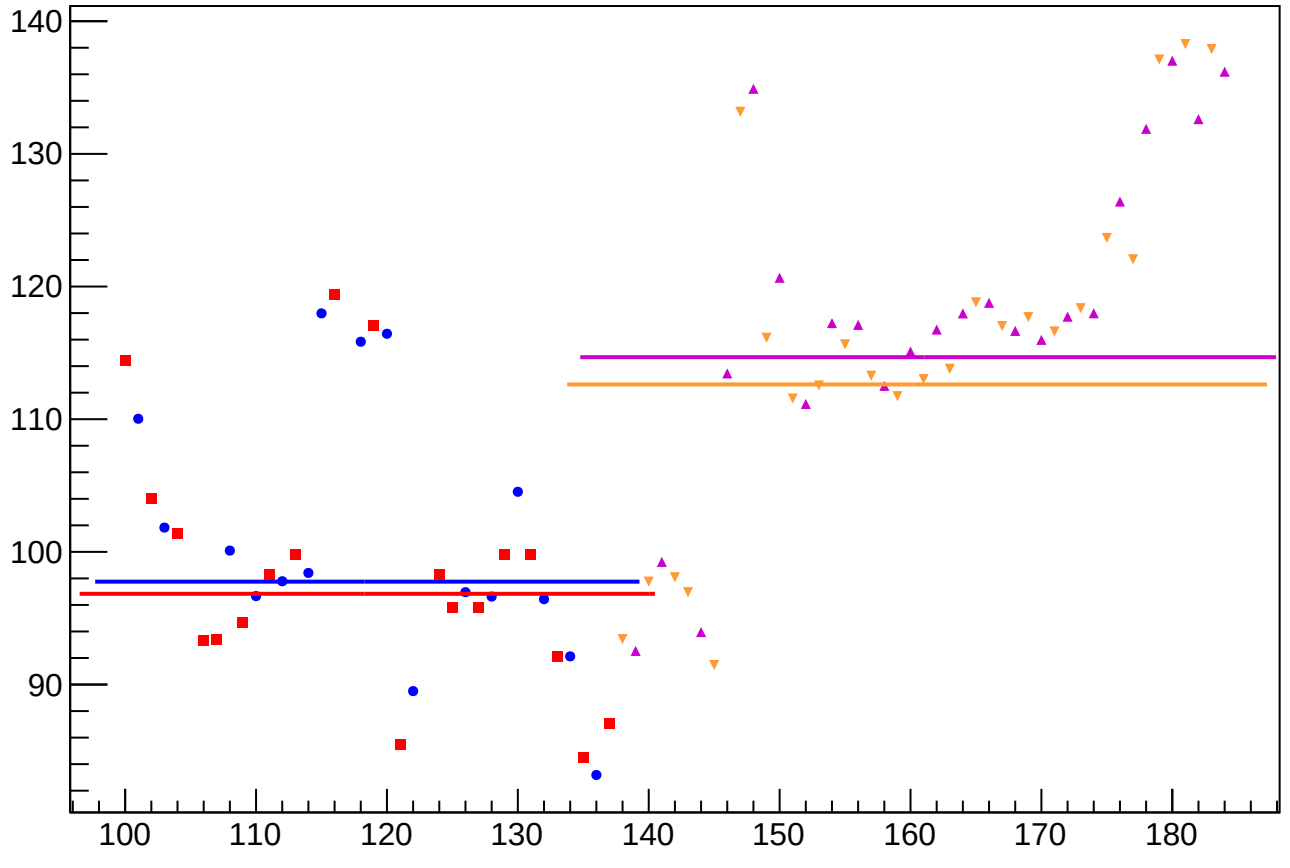
Left: -166.529+/-18.688 χ^2/NDF: 55.3/46

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -103.256+/-21.681 χ^2/NDF:52.4/38

Out: -121.110+/-20.936 χ^2/NDF:59.3/42

All: -112.495+/-15.061 χ^2/NDF: 112.0/81



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: 114.677+/-0.019 χ^2/NDF:409929.2/22

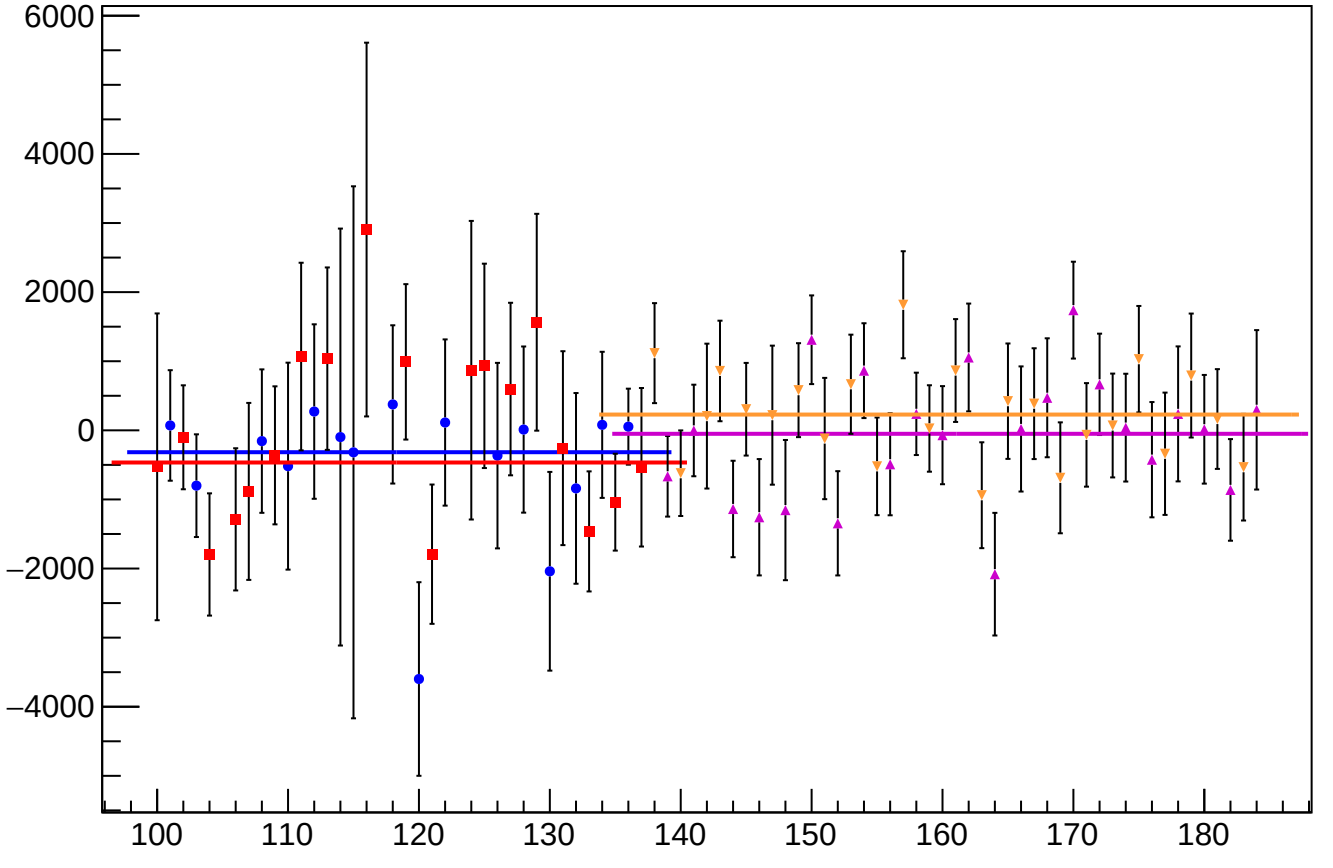
Left: 113.610+/-0.013 χ^2/NDF: 911219.8/46

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 108.709+/-0.015 χ^2/NDF:828706.9/38

Out: 107.121+/-0.015 χ^2/NDF:868443.8/42

All: 107.888+/-0.011 χ^2/NDF: 1702704.7/81



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: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 91.144+/-110.508 χ^2/NDF: 52.8/46

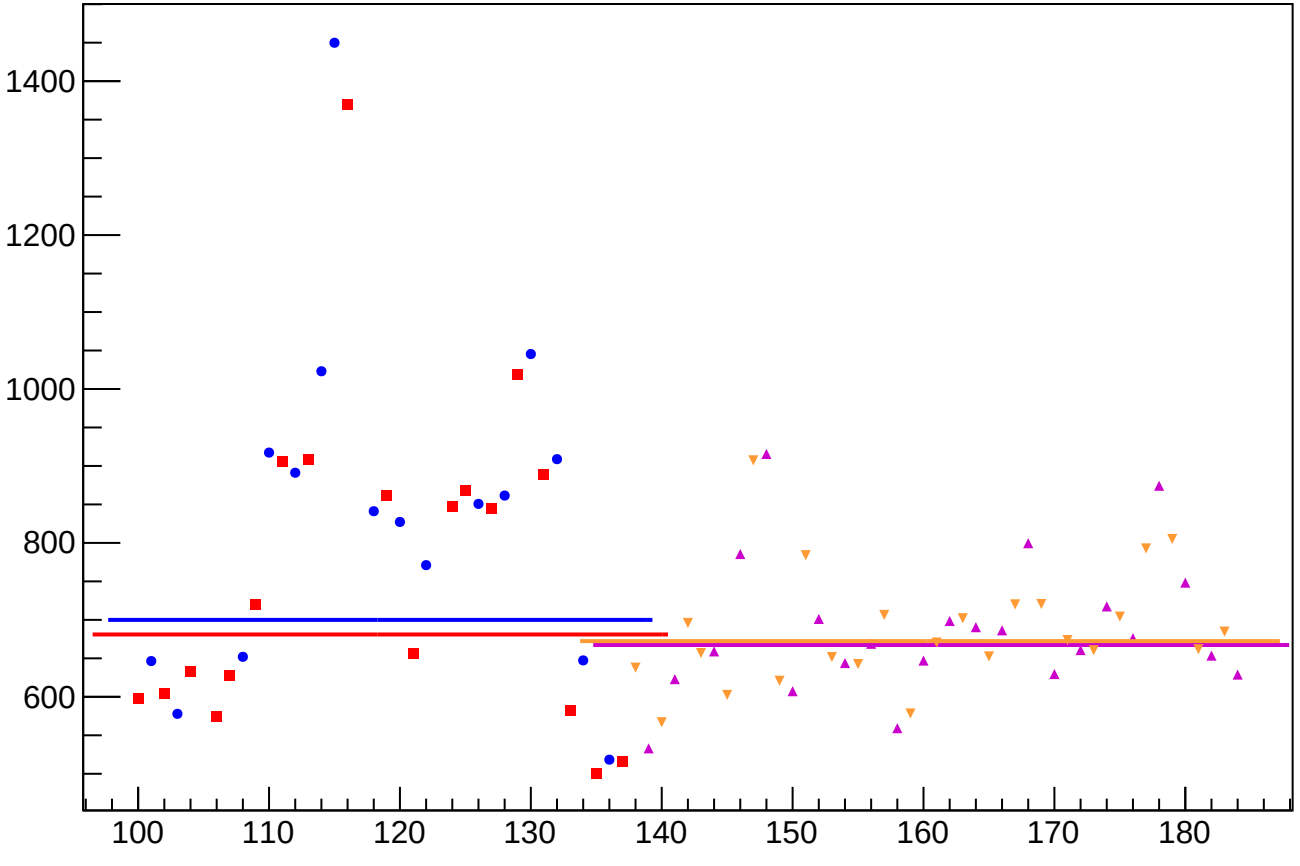
Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -118.805+/-135.715 χ^2/NDF:43.2/38

Out: 42.675+/-132.746 χ^2/NDF:39.7/42

All: -36.280+/-94.898 χ^2/NDF: 83.7/81

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 672.392+/-0.110 χ^2/NDF:397545.4/23

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

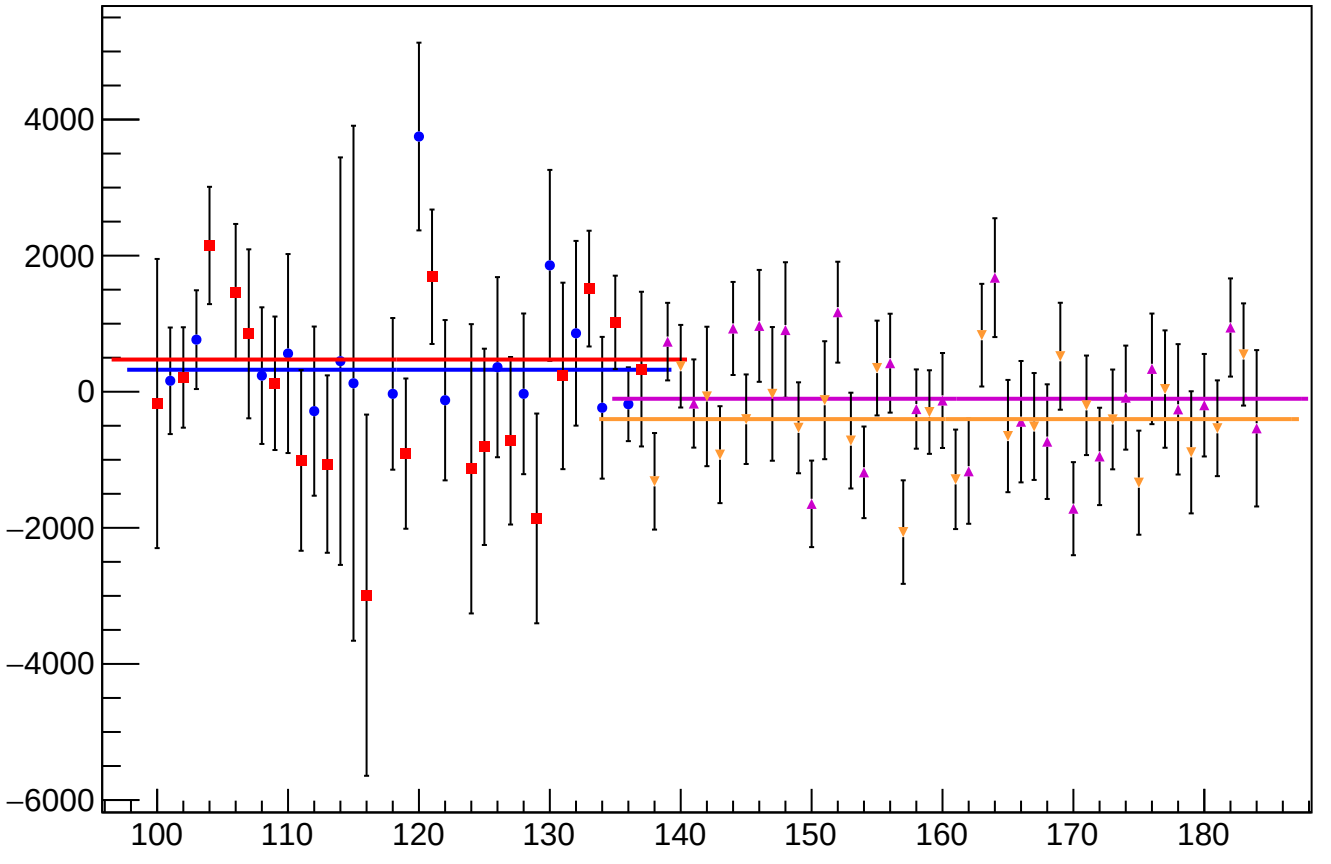
Left: 669.905+/-0.078 χ^2/NDF: 945495.0/46

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 675.740+/-0.096 χ^2/NDF:1322670.7/38

Out: 674.699+/-0.094 χ^2/NDF:1168599.7/42

All: 675.208+/-0.067 χ^2/NDF: 2491330.5/81



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: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -254.854+/-108.377 χ^2/NDF: 57.2/46

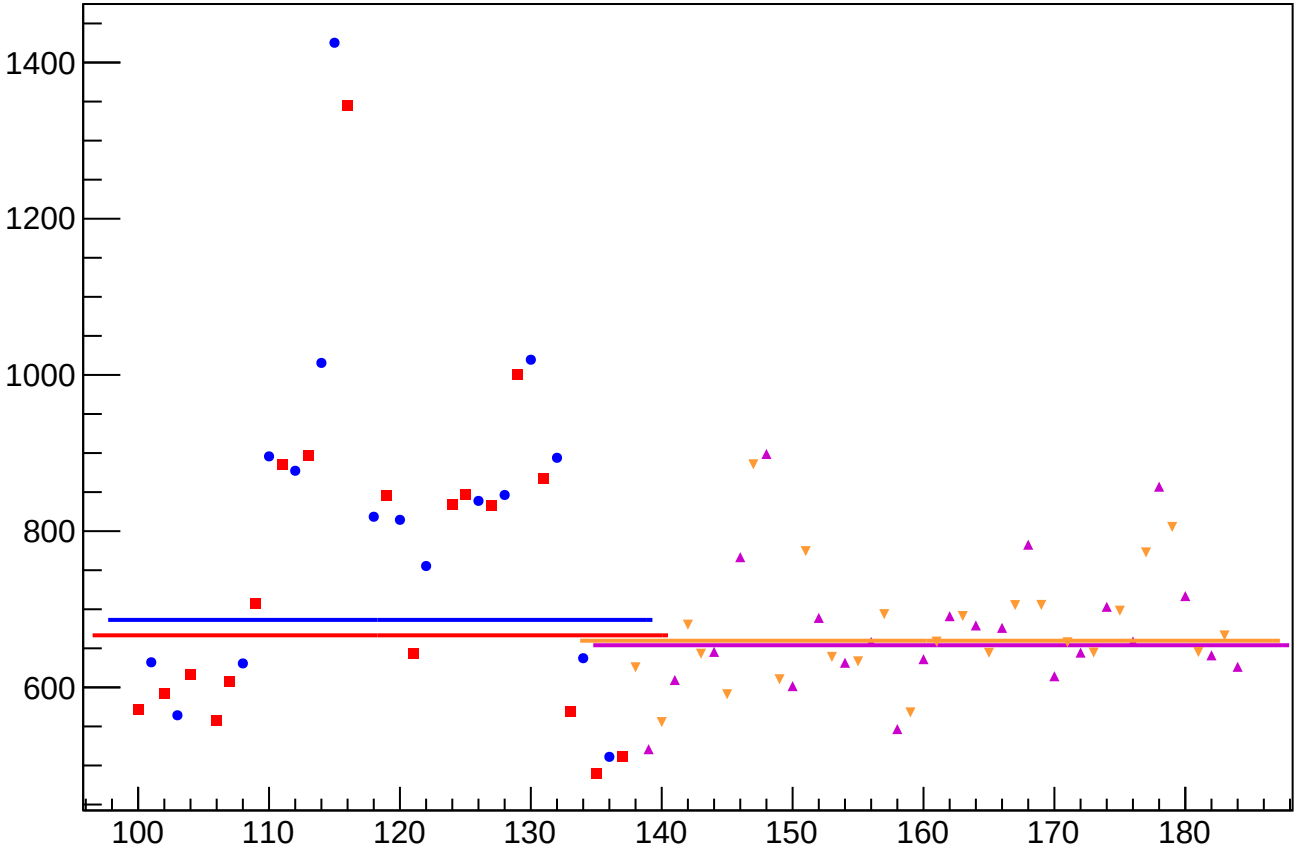
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 6.347+/-133.022 χ^2/NDF:47.2/38

Out: -167.297+/-130.204 χ^2/NDF:48.1/42

All: -82.333+/-93.048 χ^2/NDF: 96.1/81

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: 653.950+/-0.109 χ^2/NDF:542078.1/22

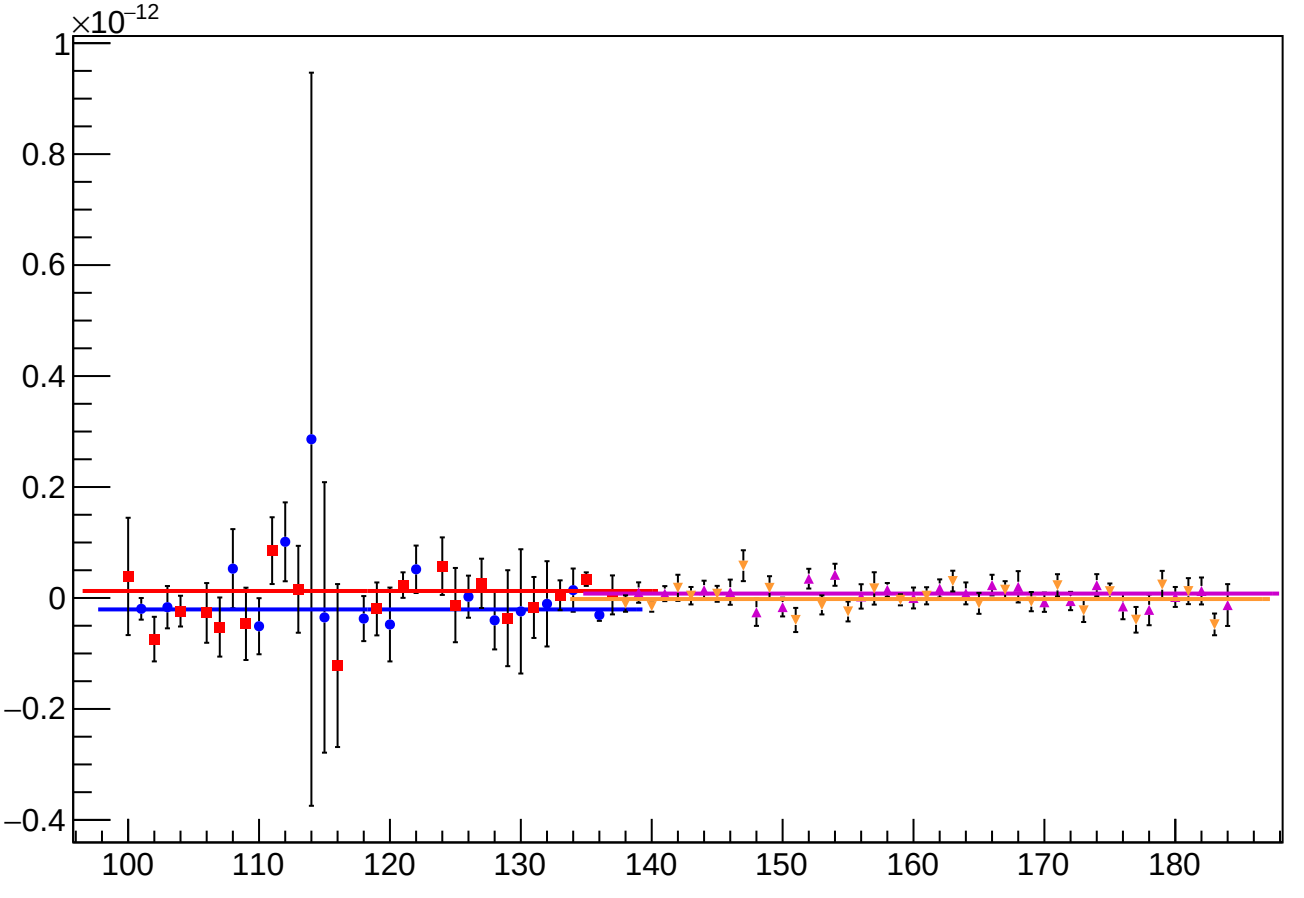
Left: 656.887+/-0.077 χ^2/NDF: 947241.2/46

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 662.292+/-0.094 χ^2/NDF:1314258.5/38

Out: 661.593+/-0.092 χ^2/NDF:1181868.0/42

All: 661.935+/-0.066 χ^2/NDF: 2496154.8/81



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:15.6/22

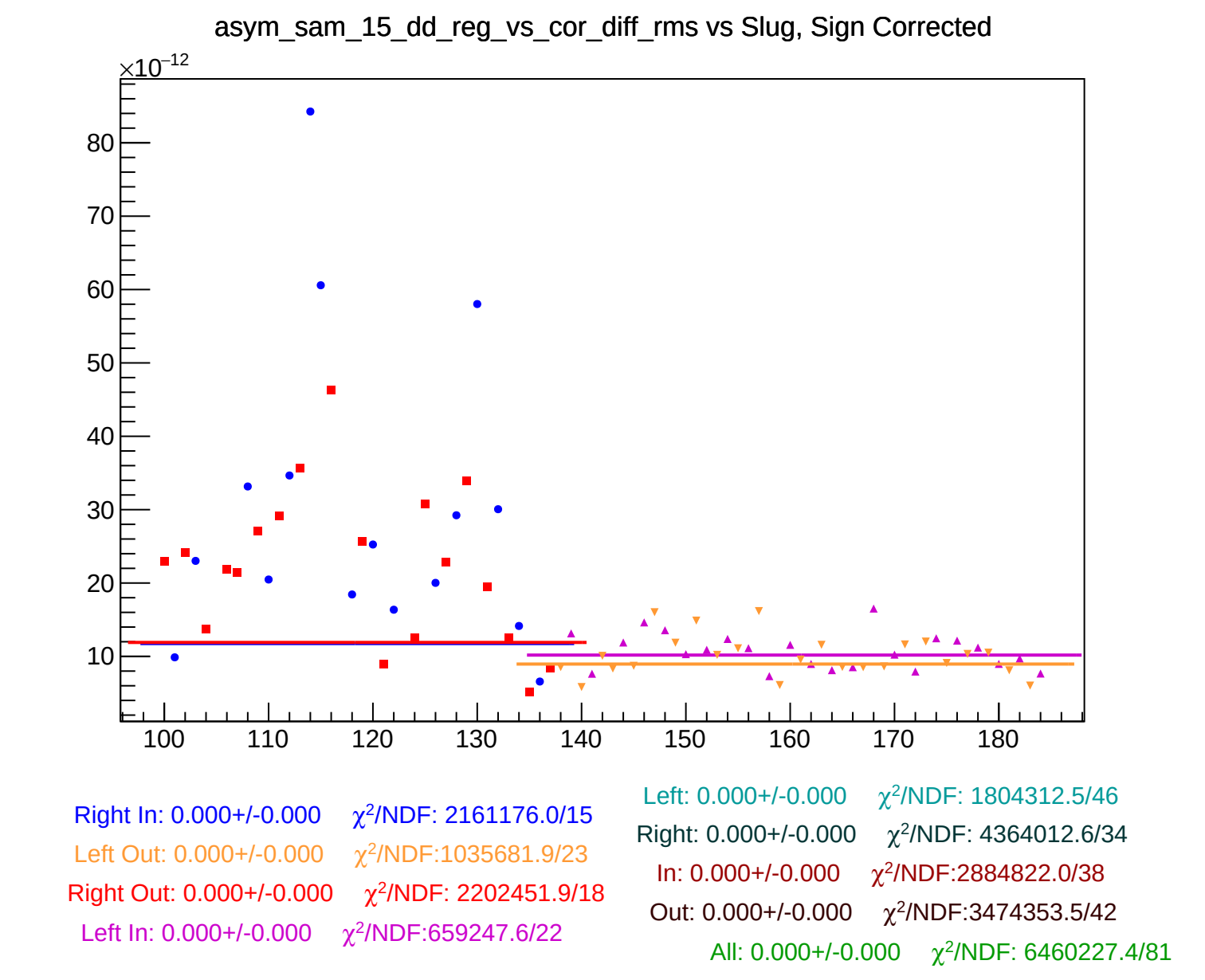
Left: 0.000+/-0.000 χ^2/NDF: 51.0/46

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:36.3/38

Out: 0.000+/-0.000 χ^2/NDF:51.7/42

All: 0.000+/-0.000 χ^2/NDF: 88.1/81


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
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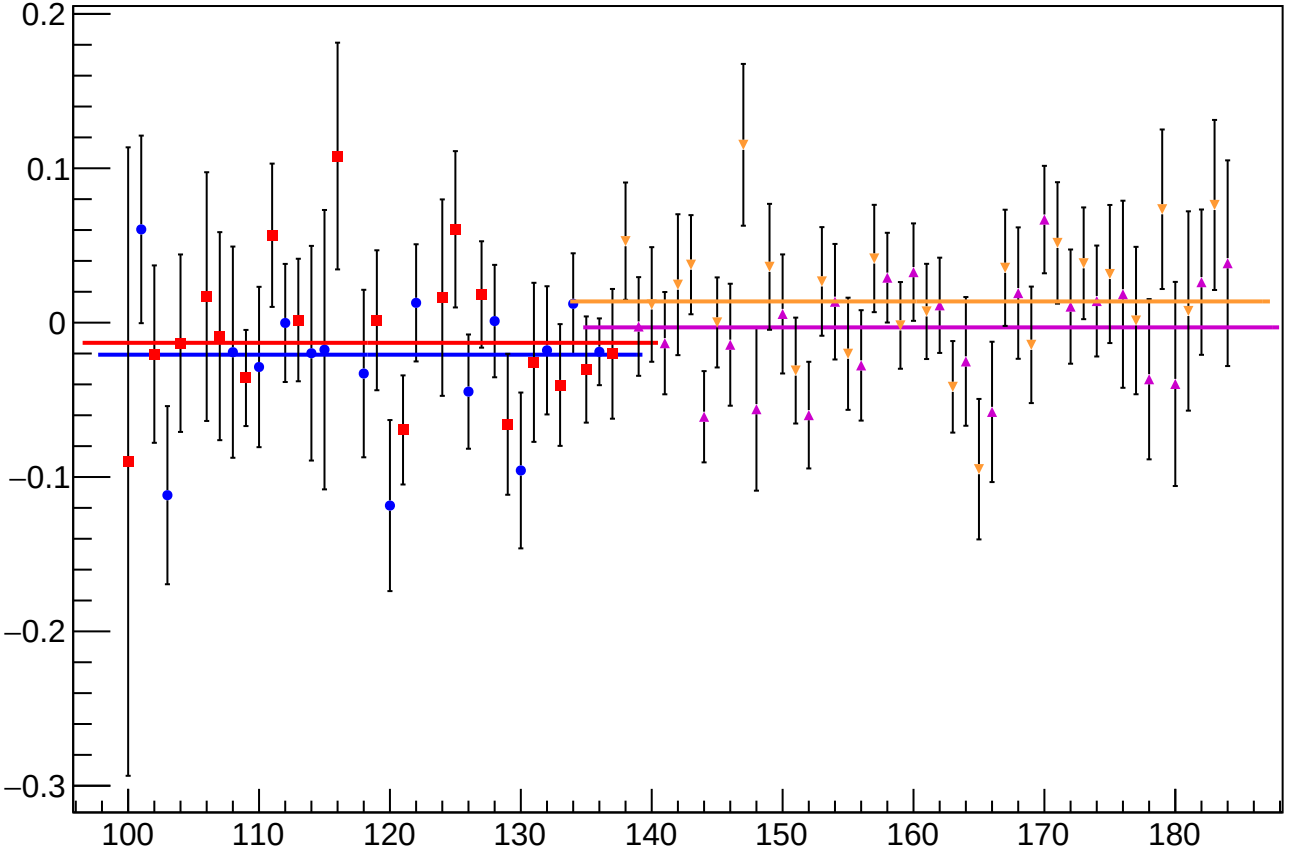
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1035681.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:659247.6/22
Left: 0.000+/-0.000 χ²/NDF: 1804312.5/46
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2884822.0/38
Out: 0.000+/-0.000 χ²/NDF:3474353.5/42
All: 0.000+/-0.000 χ²/NDF: 6460227.4/81



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: -0.003+/-0.008 χ^2/NDF:19.2/22

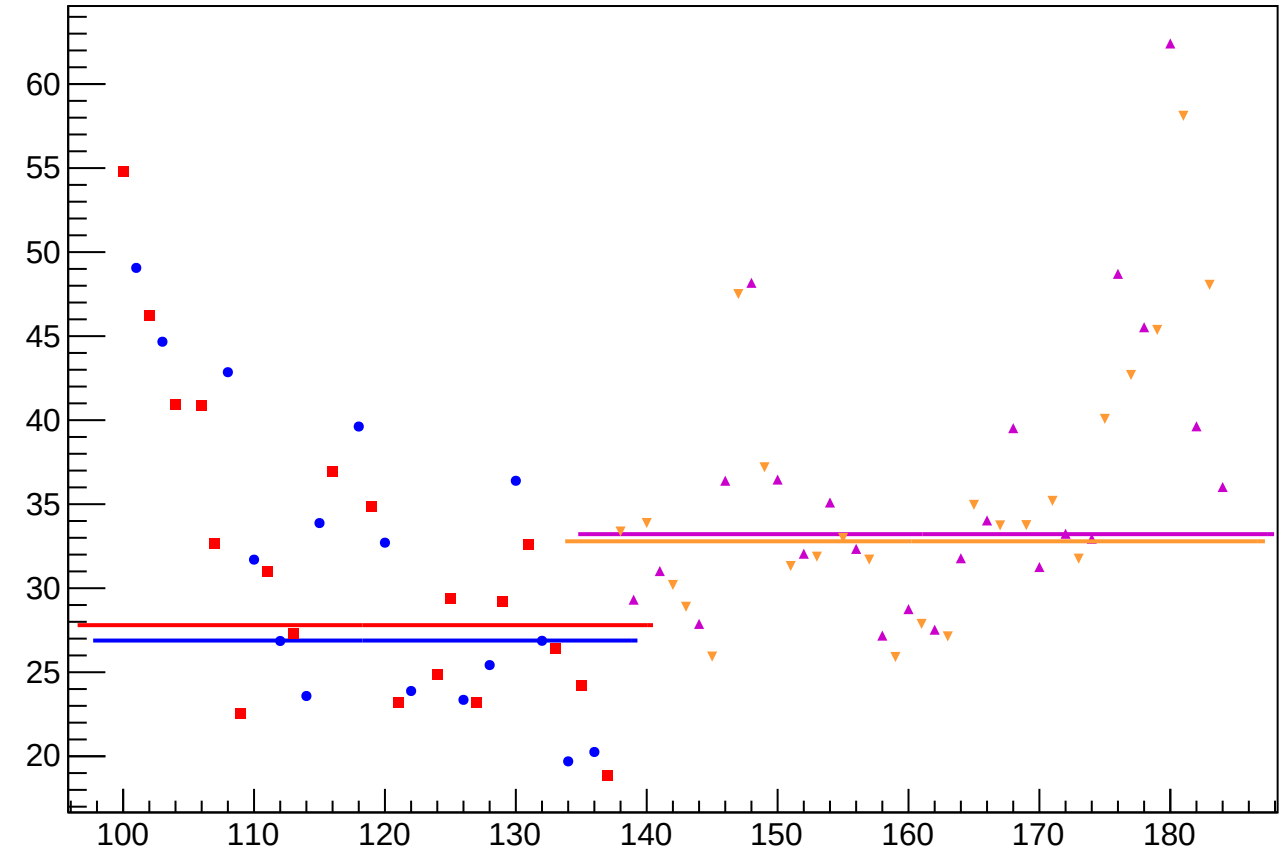
Left: 0.006+/-0.006 χ^2/NDF: 45.5/46

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:33.5/38

Out: 0.004+/-0.006 χ^2/NDF:42.1/42

All: -0.002+/-0.004 χ^2/NDF: 78.1/81



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: 33.217+/-0.006 χ^2/NDF:1221447.0/22

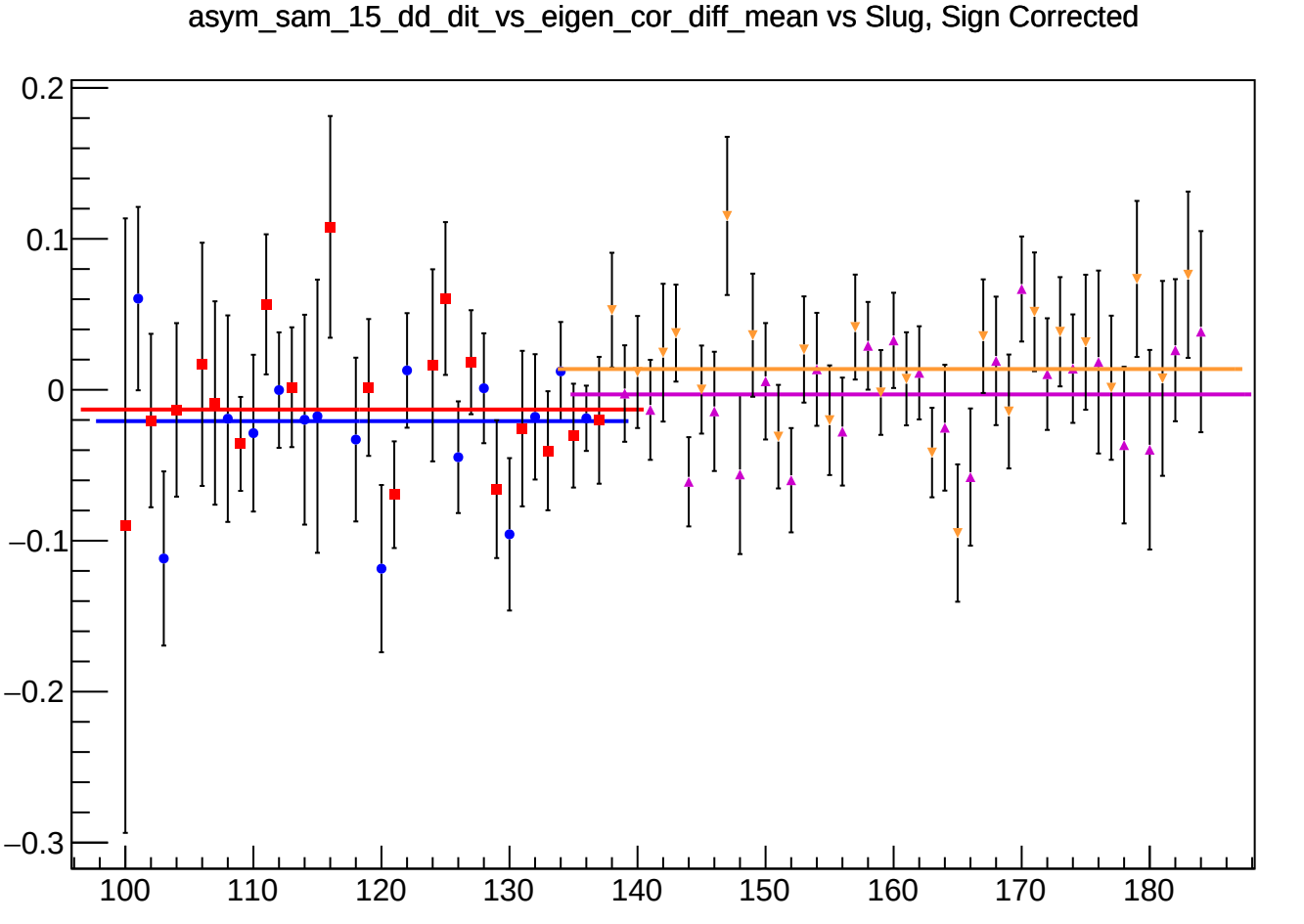
Left: 32.997+/-0.004 χ^2/NDF: 2539699.4/46

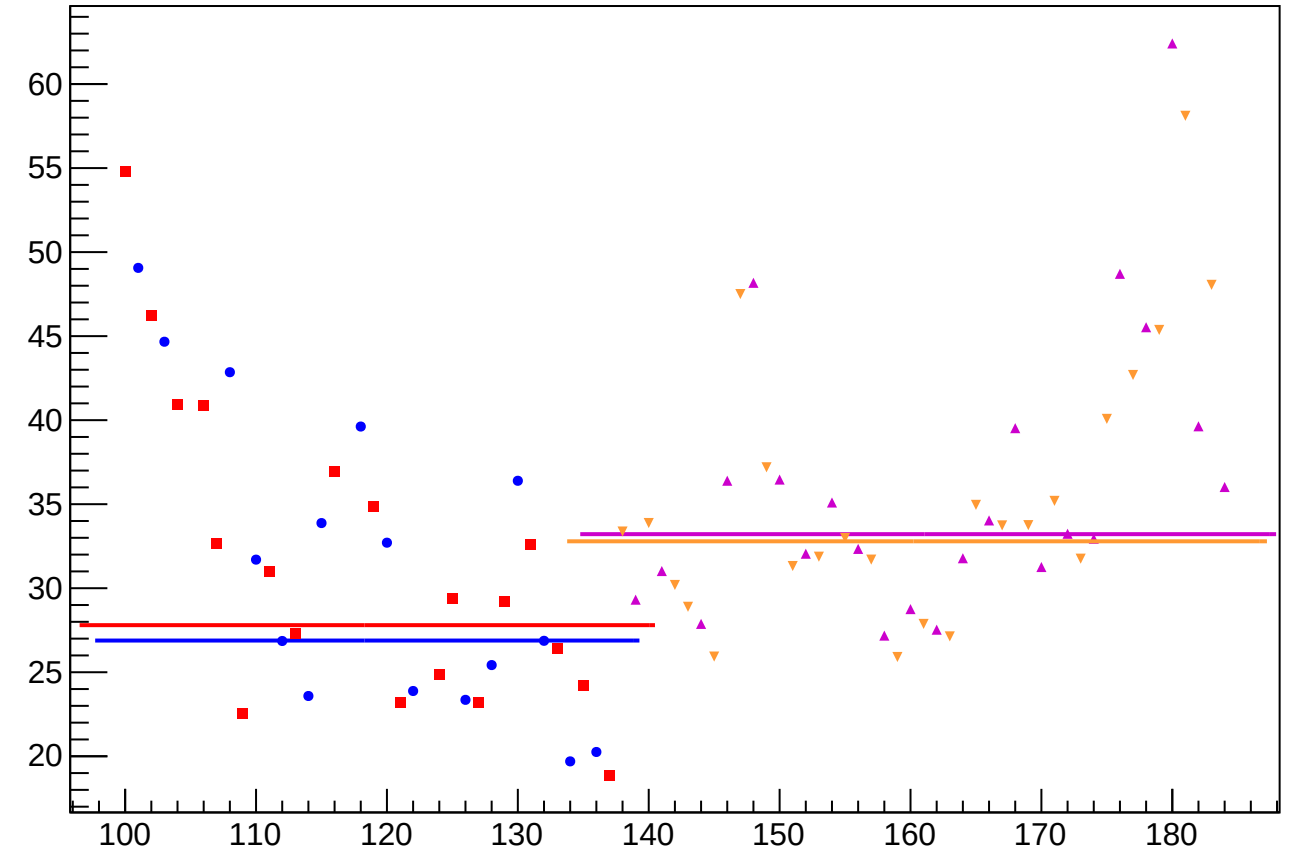
Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 30.907+/-0.004 χ^2/NDF:2803067.1/38

Out: 31.057+/-0.004 χ^2/NDF:2370692.5/42

All: 30.984+/-0.003 χ^2/NDF: 5174327.0/81


asym_sam_15_dd_dit_vs_eigen_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: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.014+/-0.008 χ²/NDF:24.0/23
Right Out: -0.013+/-0.011 χ²/NDF: 13.9/18
Left In: -0.003+/-0.008 χ²/NDF:19.2/22
Left: 0.006+/-0.006 χ²/NDF: 45.5/46
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.010+/-0.006 χ²/NDF:33.5/38
Out: 0.004+/-0.006 χ²/NDF:42.1/42
All: -0.002+/-0.004 χ²/NDF: 78.1/81



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: 33.217+/-0.006 χ^2/NDF:1221447.0/22

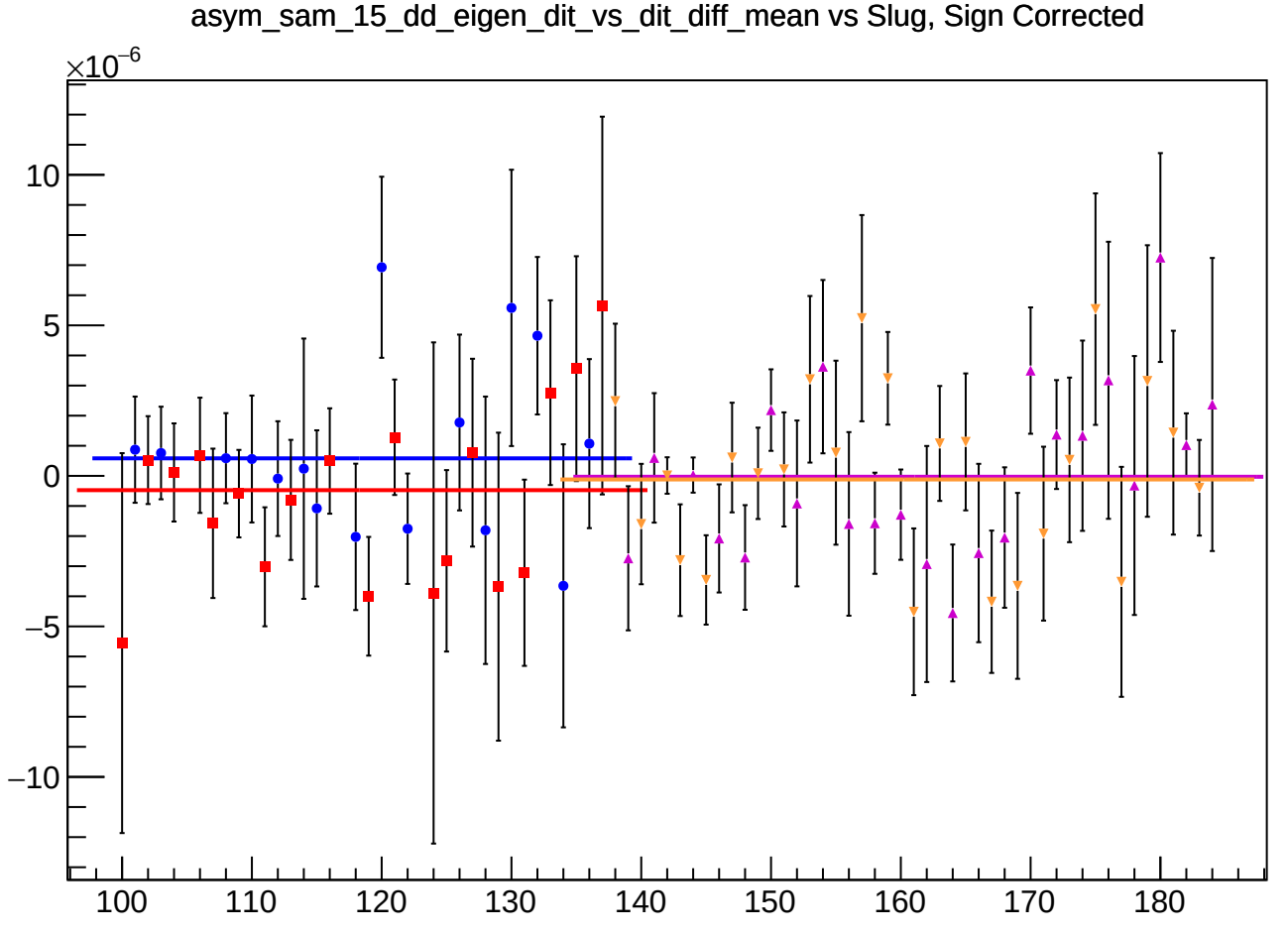
Left: 32.997+/-0.004 χ^2/NDF: 2539699.4/46

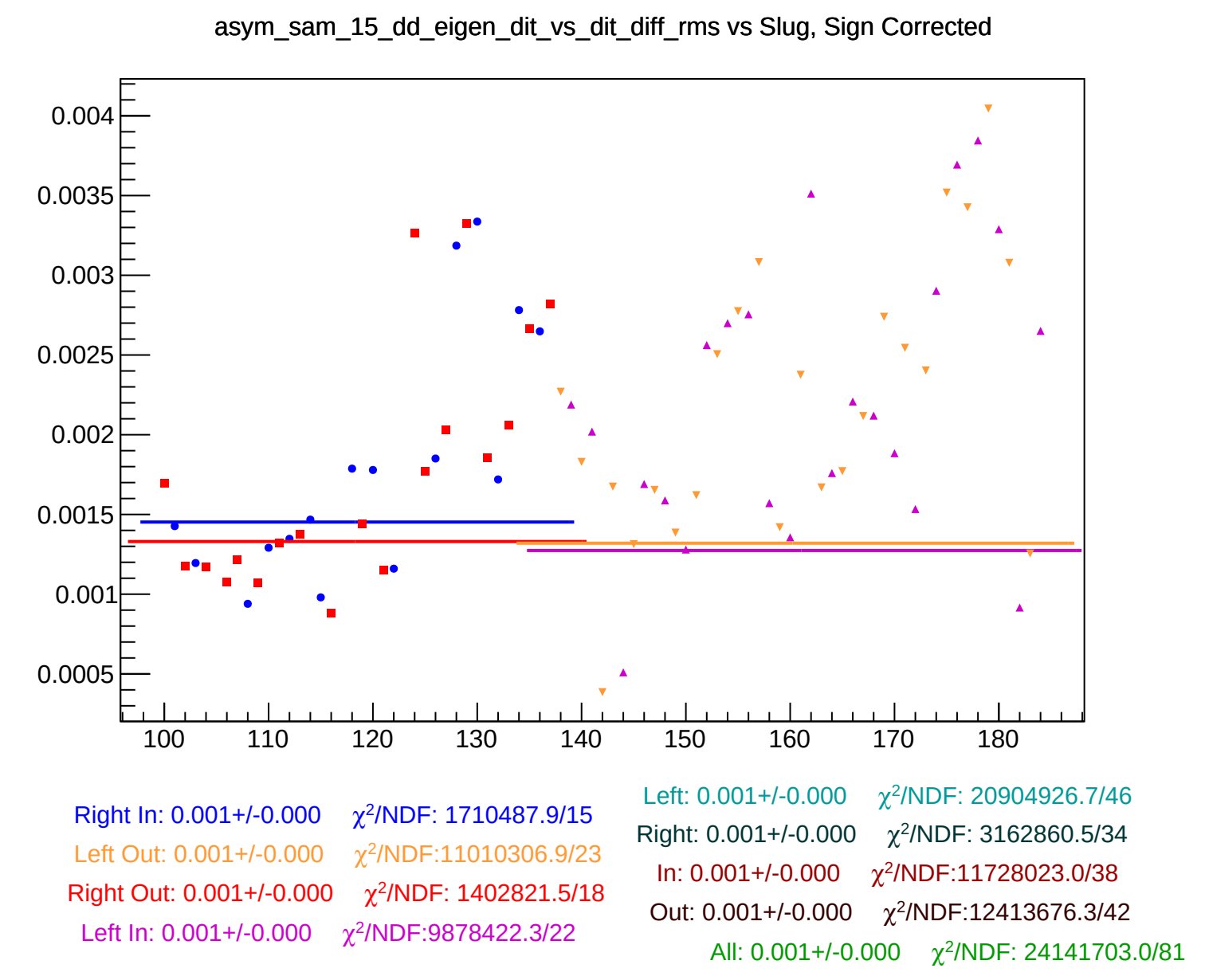
Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

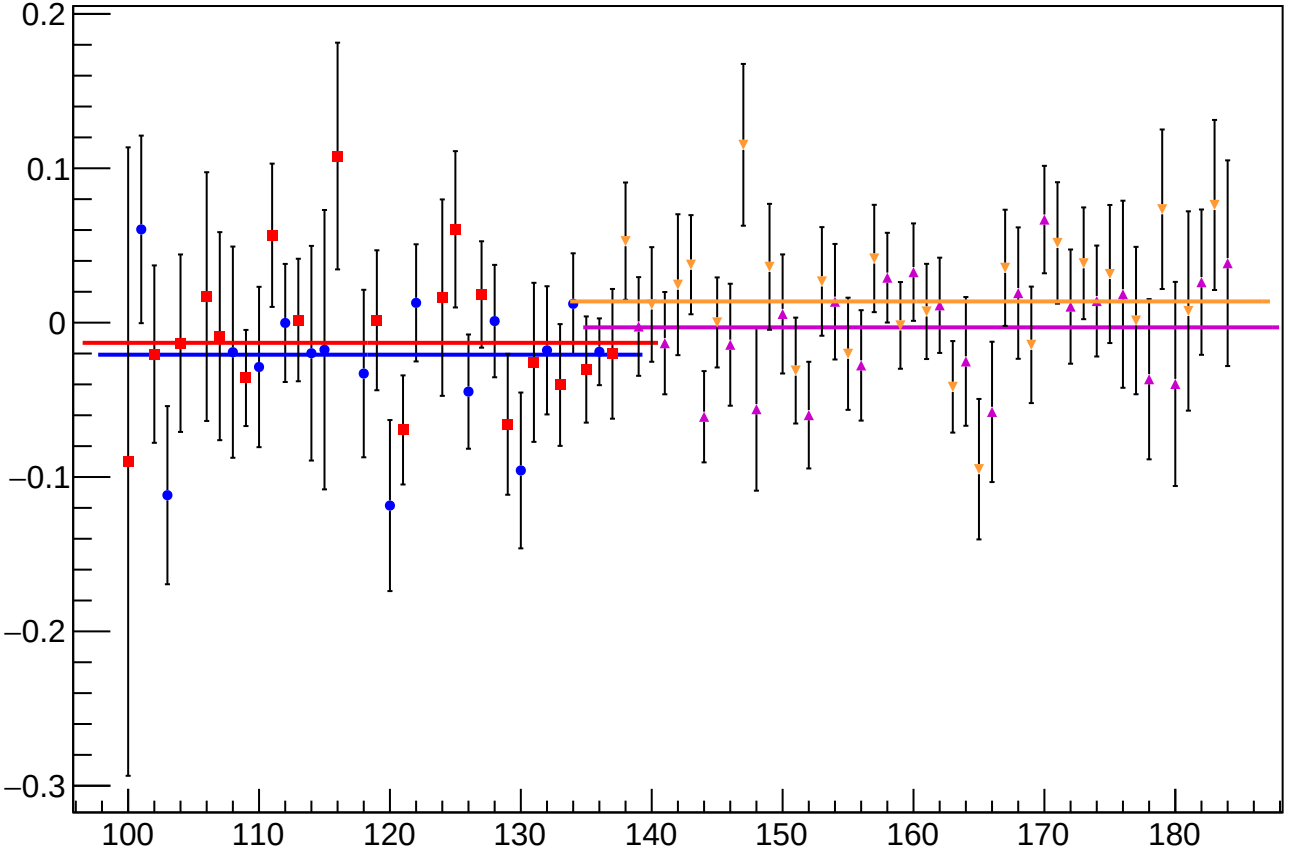
In: 30.907+/-0.004 χ^2/NDF:2803067.1/38

Out: 31.057+/-0.004 χ^2/NDF:2370692.5/42

All: 30.984+/-0.003 χ^2/NDF: 5174327.0/81


asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻⁶
10
5
0
−5
−10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 12.7/15
Left Out: -0.000+/-0.000 χ²/NDF:29.4/23
Right Out: -0.000+/-0.000 χ²/NDF: 13.2/18
Left In: -0.000+/-0.000 χ²/NDF:27.0/22
Left: -0.000+/-0.000 χ²/NDF: 56.4/46
Right: -0.000+/-0.000 χ²/NDF: 27.8/34
In: 0.000+/-0.000 χ²/NDF:40.5/38
Out: -0.000+/-0.000 χ²/NDF:42.9/42
All: -0.000+/-0.000 χ²/NDF: 84.2/81


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.004
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: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:11010306.9/23
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:9878422.3/22
Left: 0.001+/-0.000 χ²/NDF: 20904926.7/46
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:11728023.0/38
Out: 0.001+/-0.000 χ²/NDF:12413676.3/42
All: 0.001+/-0.000 χ²/NDF: 24141703.0/81



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: -0.003+/-0.008 χ^2/NDF:19.2/22

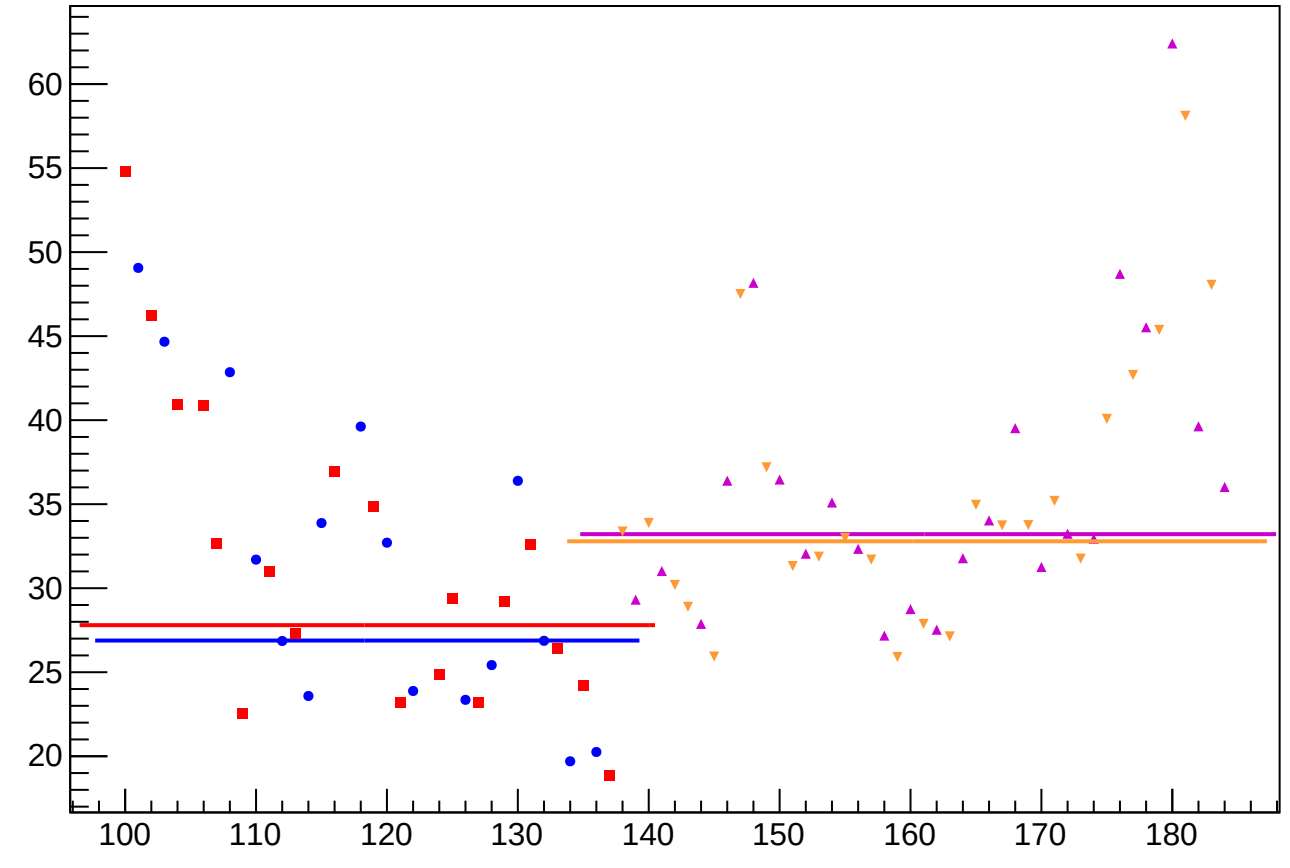
Left: 0.006+/-0.006 χ^2/NDF: 45.5/46

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:33.5/38

Out: 0.004+/-0.006 χ^2/NDF:42.1/42

All: -0.002+/-0.004 χ^2/NDF: 78.1/81



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: 33.217+/-0.006 χ^2/NDF:1221516.5/22

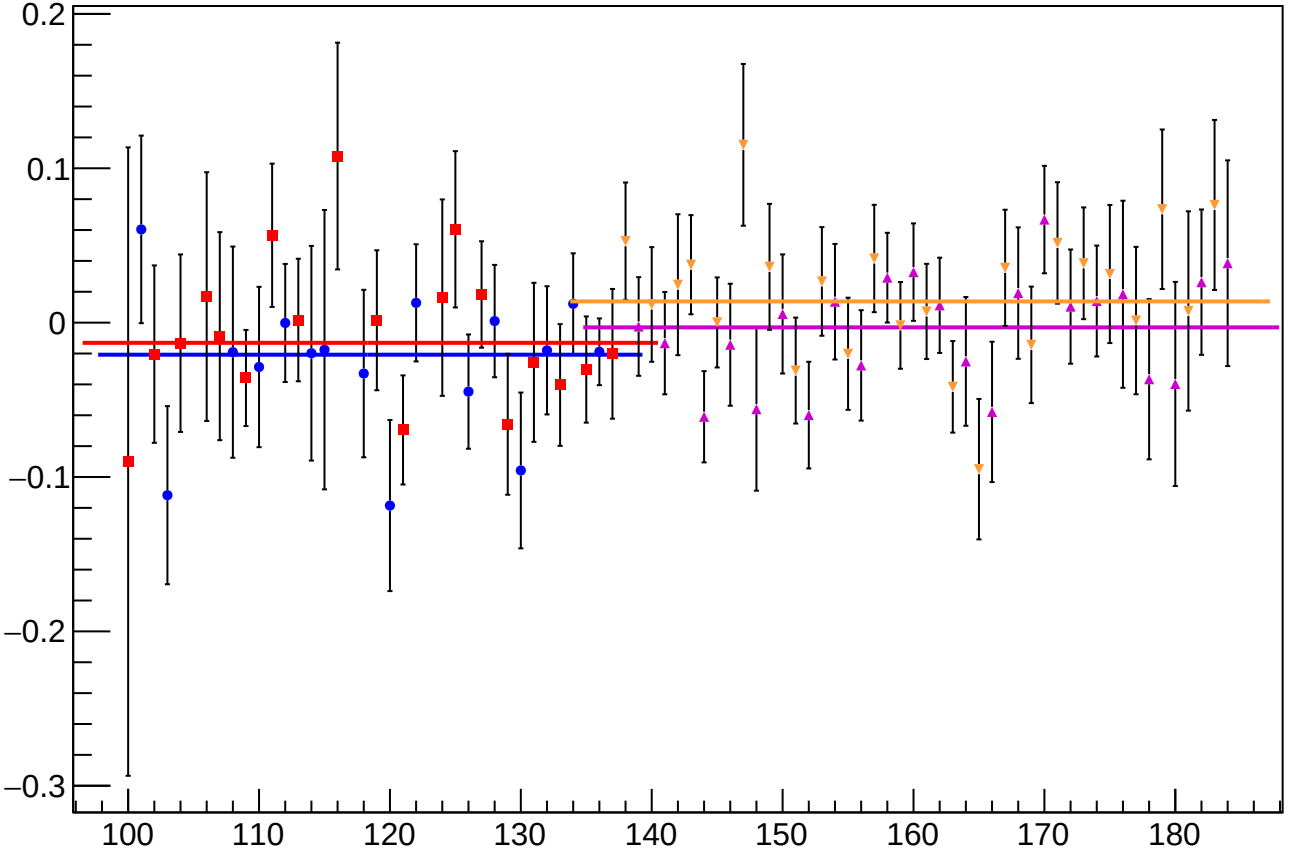
Left: 32.997+/-0.004 χ^2/NDF: 2539840.7/46

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 30.907+/-0.004 χ^2/NDF:2803295.4/38

Out: 31.056+/-0.004 χ^2/NDF:2371036.9/42

All: 30.983+/-0.003 χ^2/NDF: 5174898.2/81



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: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.006+/-0.006 χ^2/NDF: 45.5/46

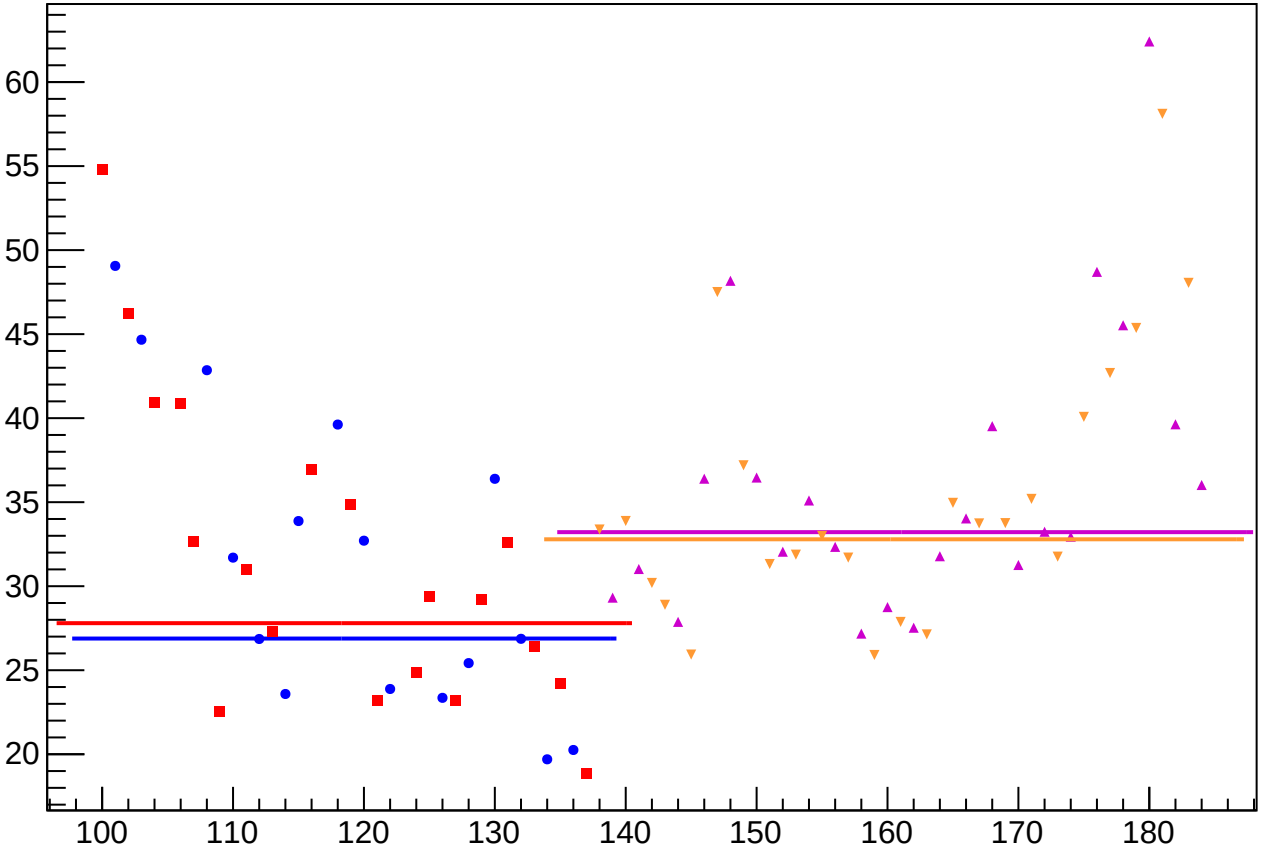
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:33.5/38

Out: 0.004+/-0.006 χ^2/NDF:42.1/42

All: -0.002+/-0.004 χ^2/NDF: 78.1/81

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: 33.217+/-0.006 χ^2/NDF:1221516.5/22

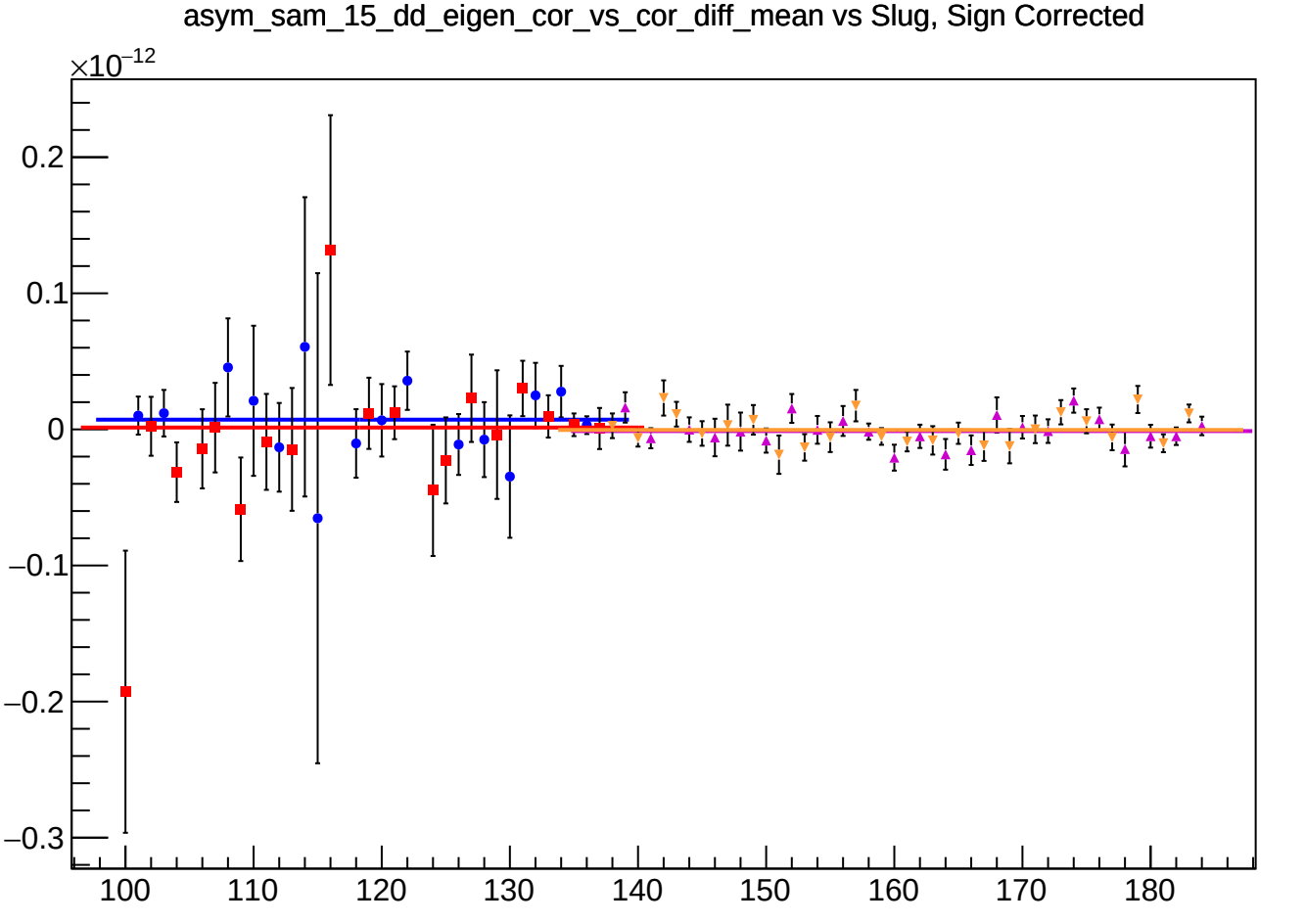
Left: 32.997+/-0.004 χ^2/NDF: 2539840.7/46

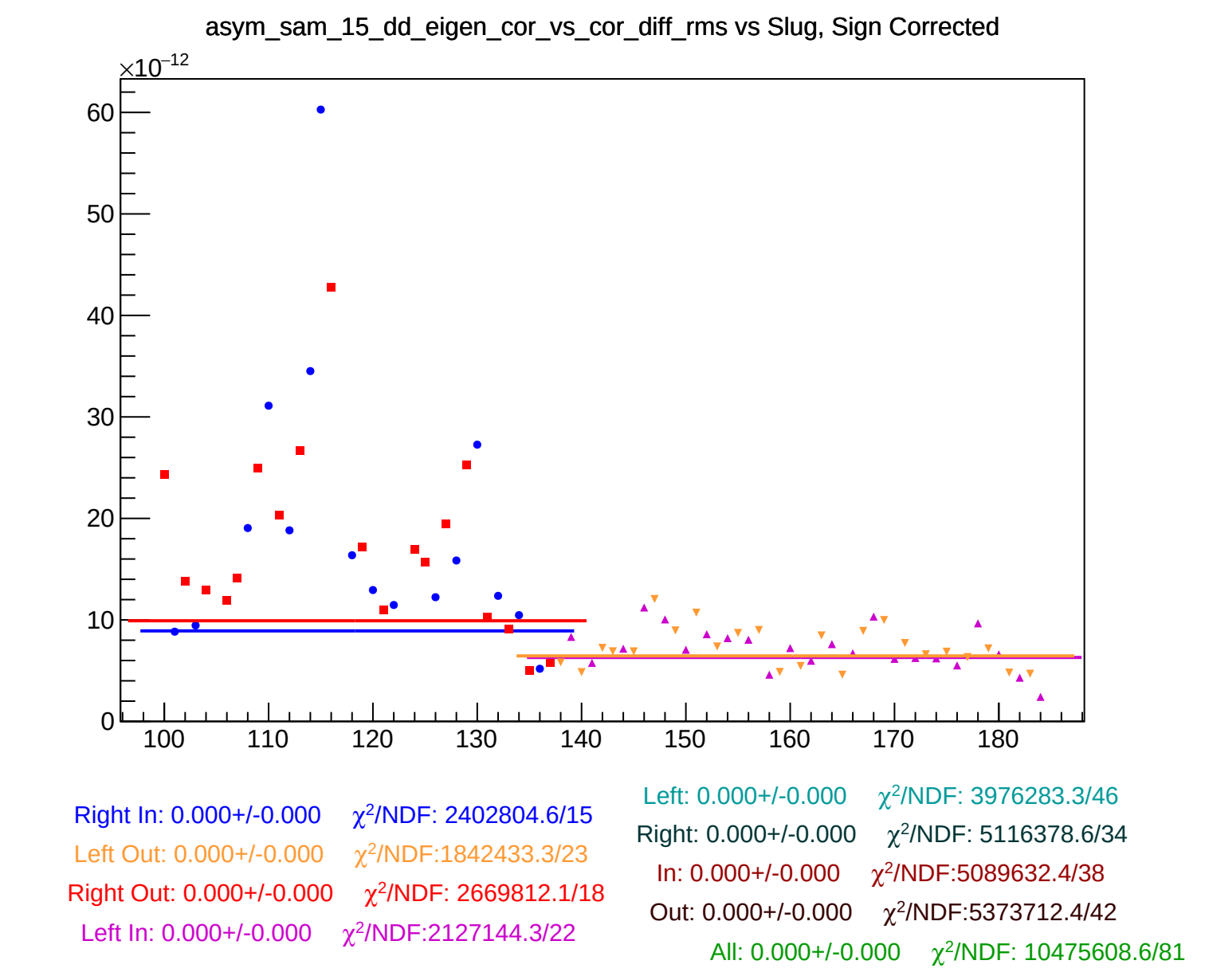
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 30.907+/-0.004 χ^2/NDF:2803295.4/38

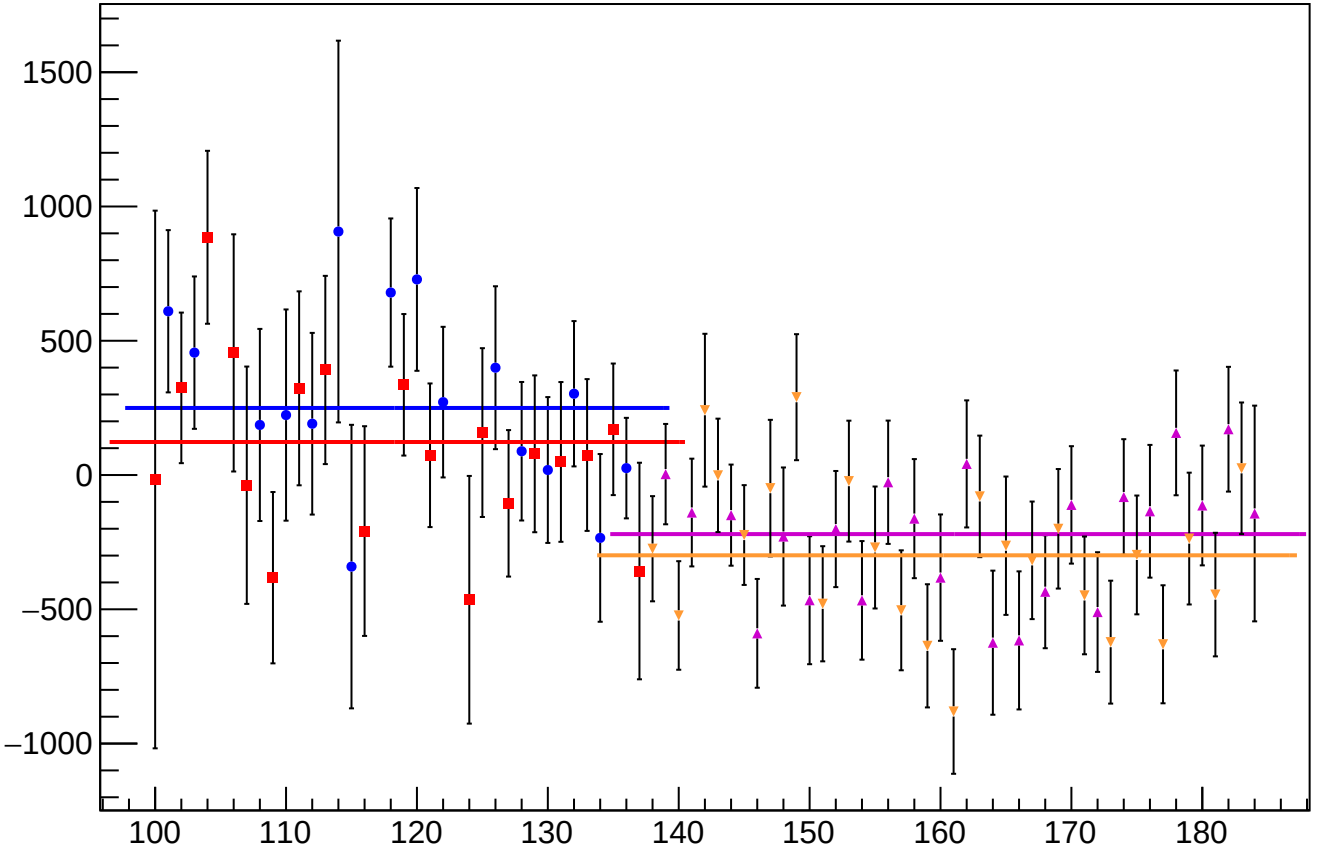
Out: 31.056+/-0.004 χ^2/NDF:2371036.9/42

All: 30.983+/-0.003 χ^2/NDF: 5174898.2/81


asym_sam_15_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: 8.3/15
Left Out: -0.000+/-0.000 χ²/NDF:30.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 15.2/18
Left In: -0.000+/-0.000 χ²/NDF:25.3/22
Left: -0.000+/-0.000 χ²/NDF: 56.0/46
Right: 0.000+/-0.000 χ²/NDF: 24.3/34
In: -0.000+/-0.000 χ²/NDF:36.5/38
Out: -0.000+/-0.000 χ²/NDF:46.0/42
All: -0.000+/-0.000 χ²/NDF: 82.5/81


asym_sam_15_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: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1842433.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:2127144.3/22
Left: 0.000+/-0.000 χ²/NDF: 3976283.3/46
Right: 0.000+/-0.000 χ²/NDF: 5116378.6/34
In: 0.000+/-0.000 χ²/NDF:5089632.4/38
Out: 0.000+/-0.000 χ²/NDF:5373712.4/42
All: 0.000+/-0.000 χ²/NDF: 10475608.6/81

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



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: -219.974+/-47.146 χ^2/NDF:23.7/22

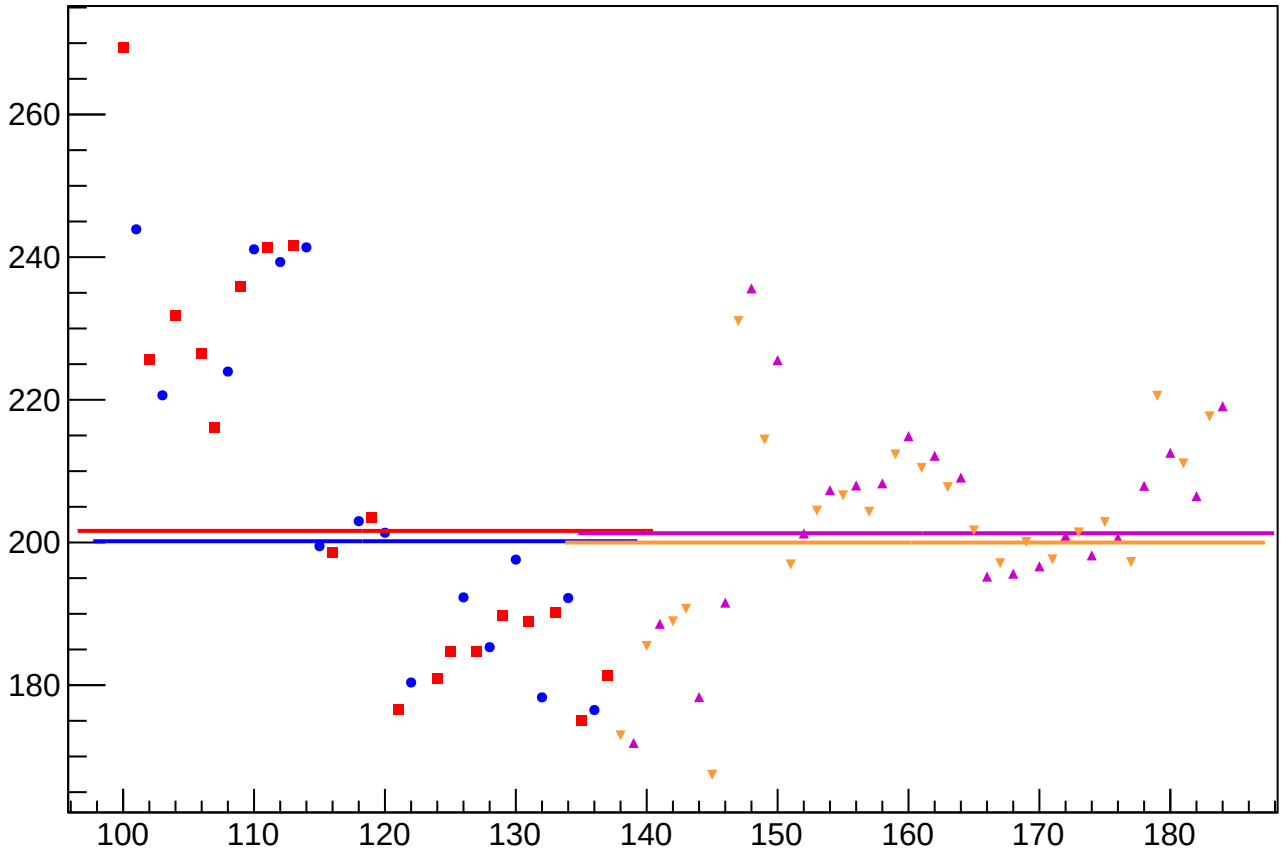
Left: -260.541+/-32.878 χ^2/NDF: 59.1/46

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -86.618+/-39.896 χ^2/NDF:65.7/38

Out: -182.659+/-39.043 χ^2/NDF:72.8/42

All: -135.677+/-27.904 χ^2/NDF: 141.4/81



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: 201.297+/-0.033 χ^2/NDF:181646.8/22

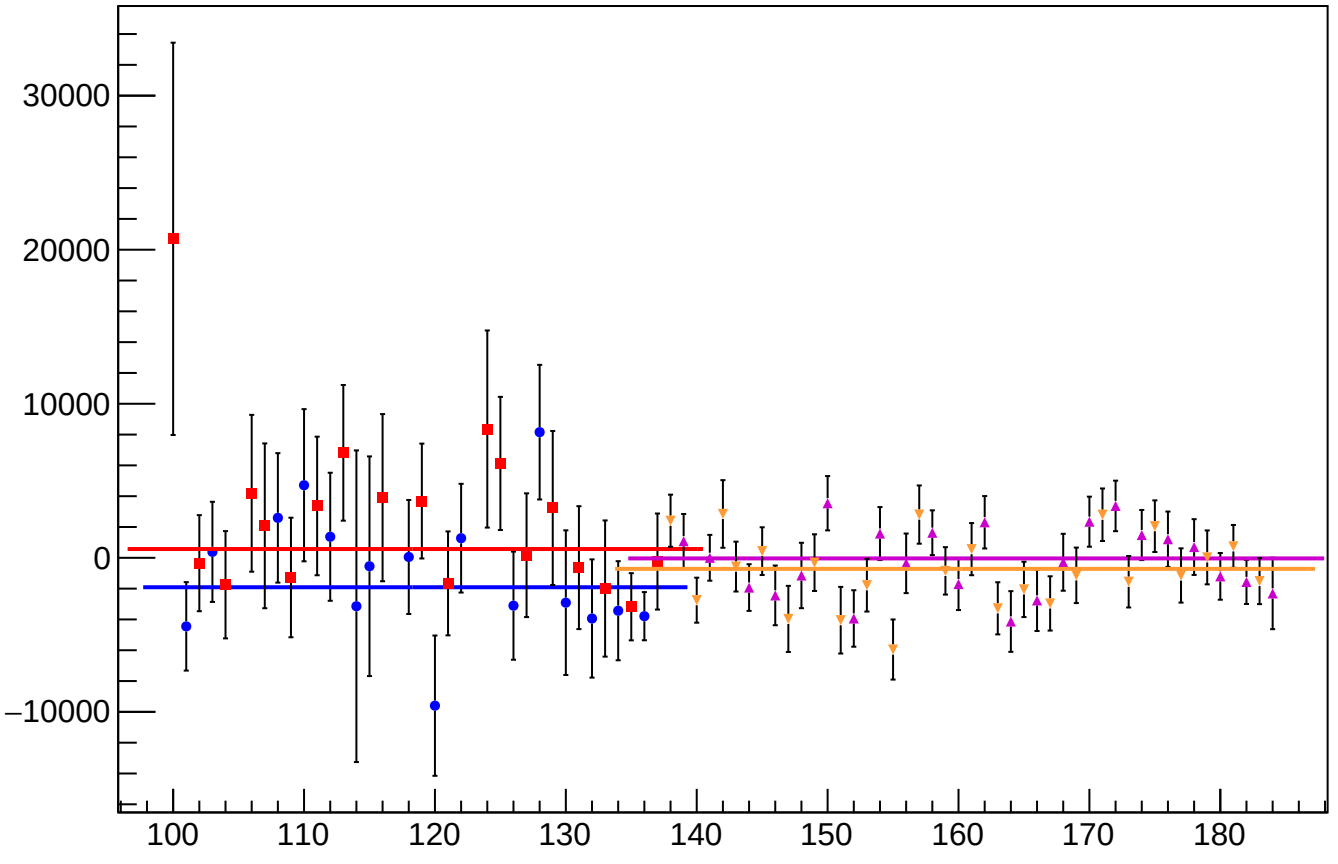
Left: 200.628+/-0.023 χ^2/NDF: 382897.5/46

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 200.979+/-0.028 χ^2/NDF:362968.9/38

Out: 200.444+/-0.028 χ^2/NDF:398409.9/42

All: 200.706+/-0.020 χ^2/NDF: 761562.4/81



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: -39.277+/-359.265 χ^2/NDF:34.4/22

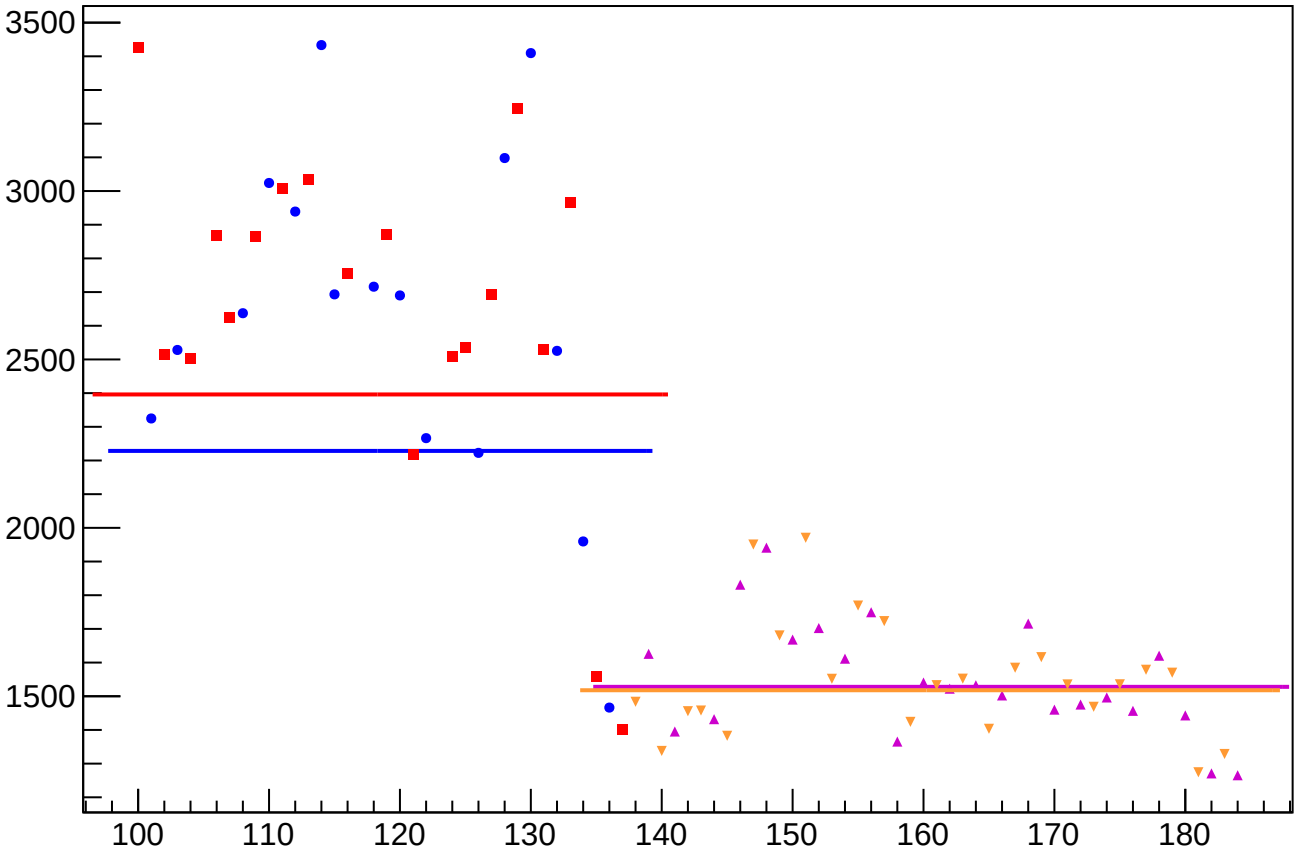
Left: -387.419+/-250.664 χ^2/NDF: 74.5/46

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -317.793+/-331.449 χ^2/NDF:54.7/38

Out: -548.603+/-326.145 χ^2/NDF:54.7/42

All: -435.059+/-232.472 χ^2/NDF: 109.6/81



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: 1527.964+/-0.254 χ^2/NDF:373844.4/22

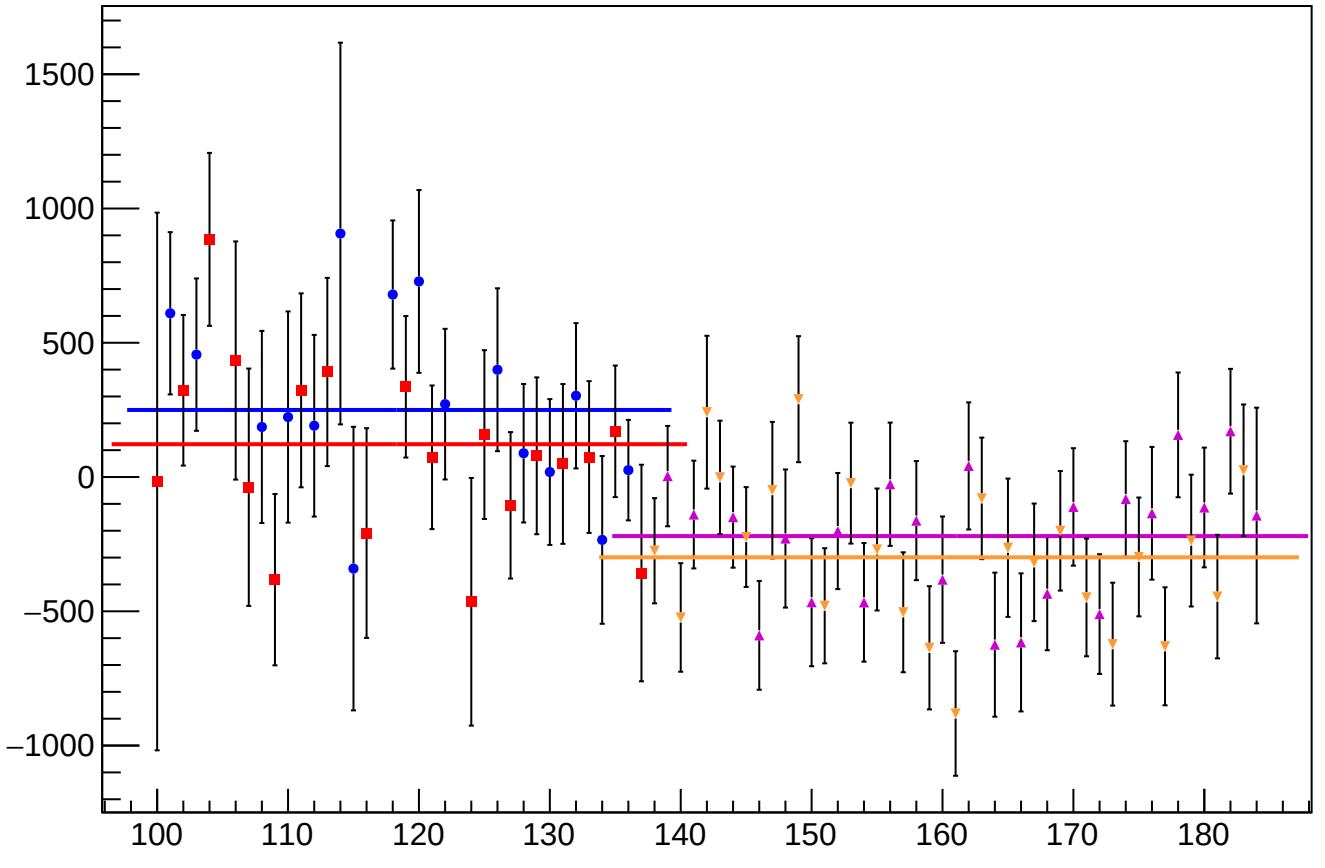
Left: 1522.770+/-0.177 χ^2/NDF: 792773.0/46

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1632.231+/-0.234 χ^2/NDF:2453208.7/38

Out: 1633.060+/-0.231 χ^2/NDF:2870494.0/42

All: 1632.652+/-0.164 χ^2/NDF: 5323709.0/81



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: -219.983+/-47.146 χ^2/NDF:23.7/22

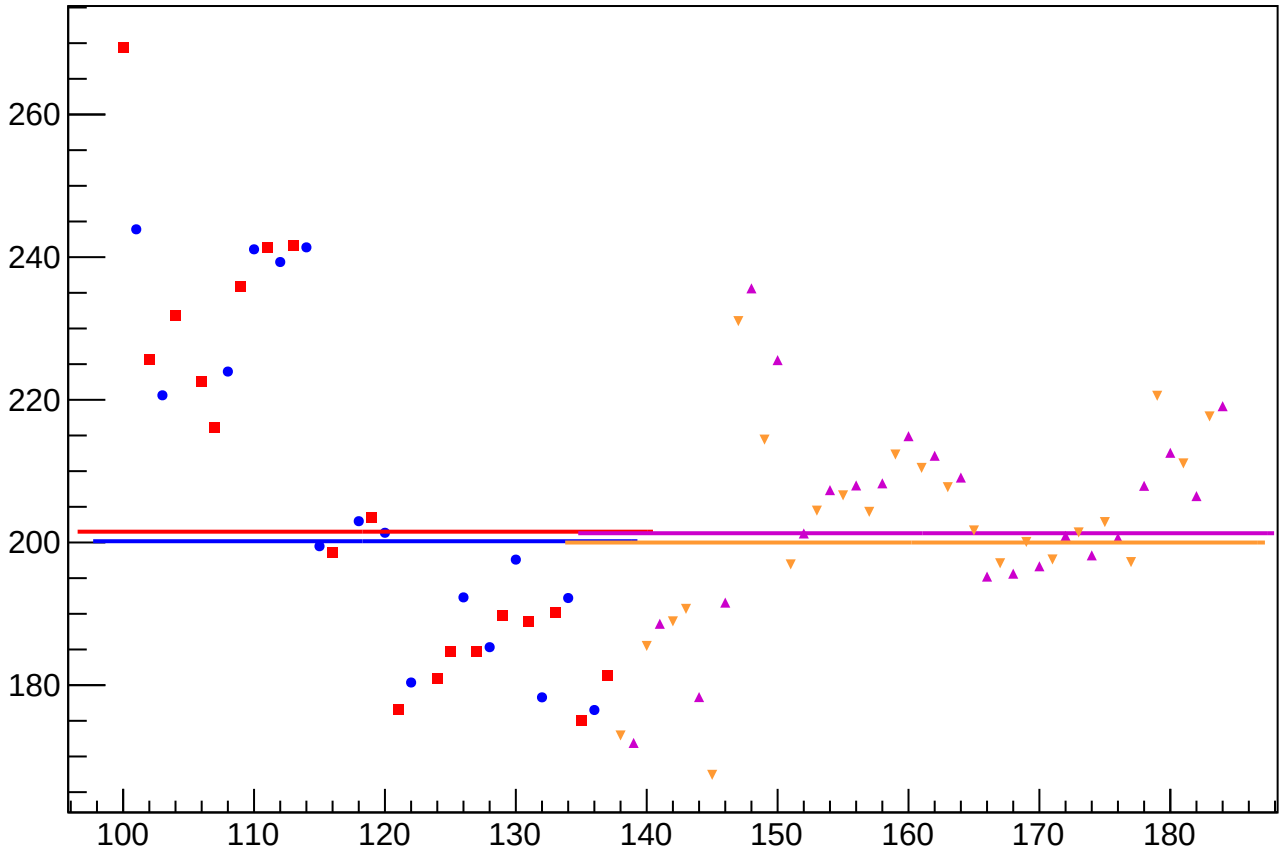
Left: -260.545+/-32.878 χ^2/NDF: 59.1/46

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -86.623+/-39.896 χ^2/NDF:65.7/38

Out: -182.897+/-39.044 χ^2/NDF:72.6/42

All: -135.799+/-27.905 χ^2/NDF: 141.2/81



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: 201.297+/-0.033 χ^2/NDF:181646.8/22

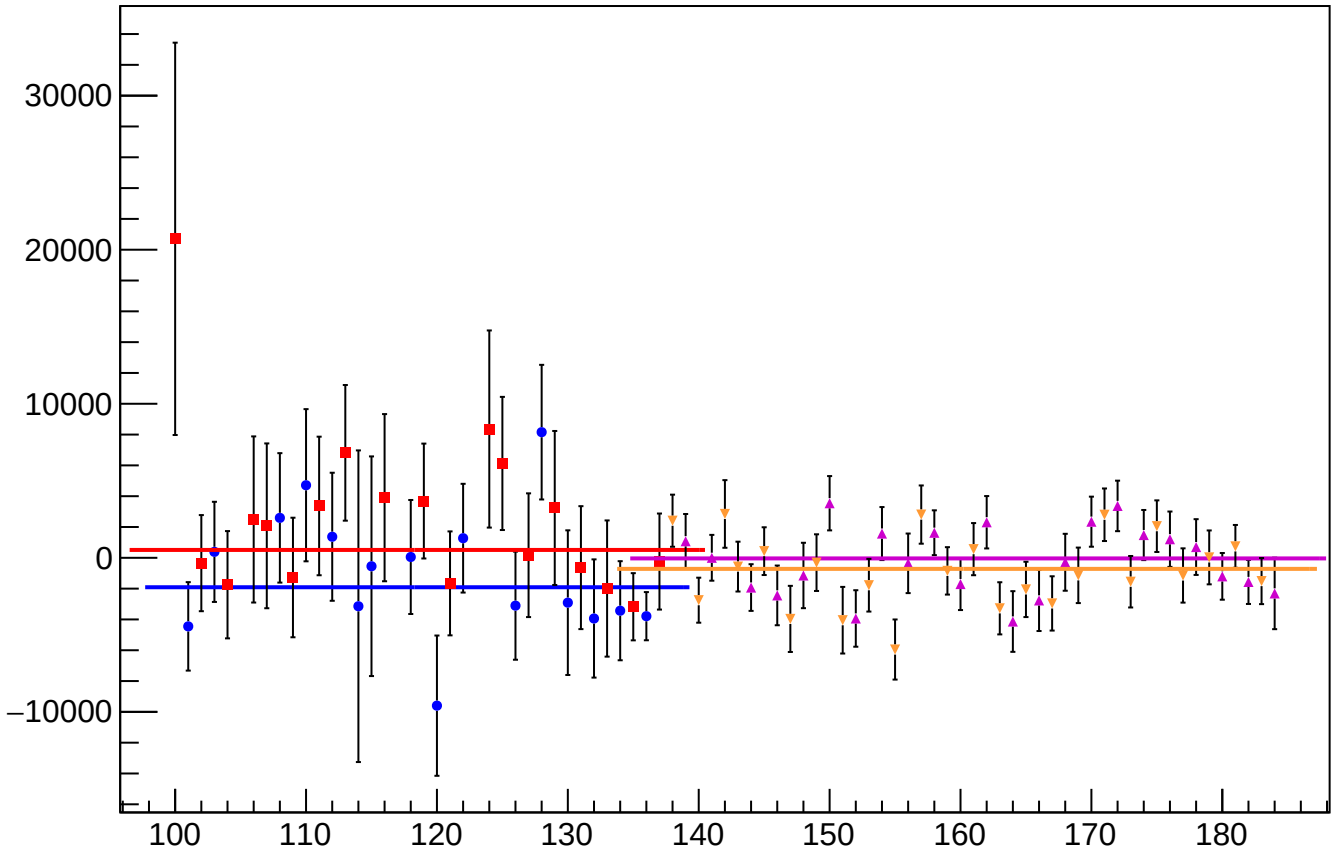
Left: 200.628+/-0.023 χ^2/NDF: 382897.5/46

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.979+/-0.028 χ^2/NDF:362969.2/38

Out: 200.413+/-0.028 χ^2/NDF:396502.1/42

All: 200.690+/-0.020 χ^2/NDF: 759677.0/81



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: -39.275+/-359.265 χ^2/NDF:34.4/22

Left: -387.418+/-250.664 χ^2/NDF: 74.5/46

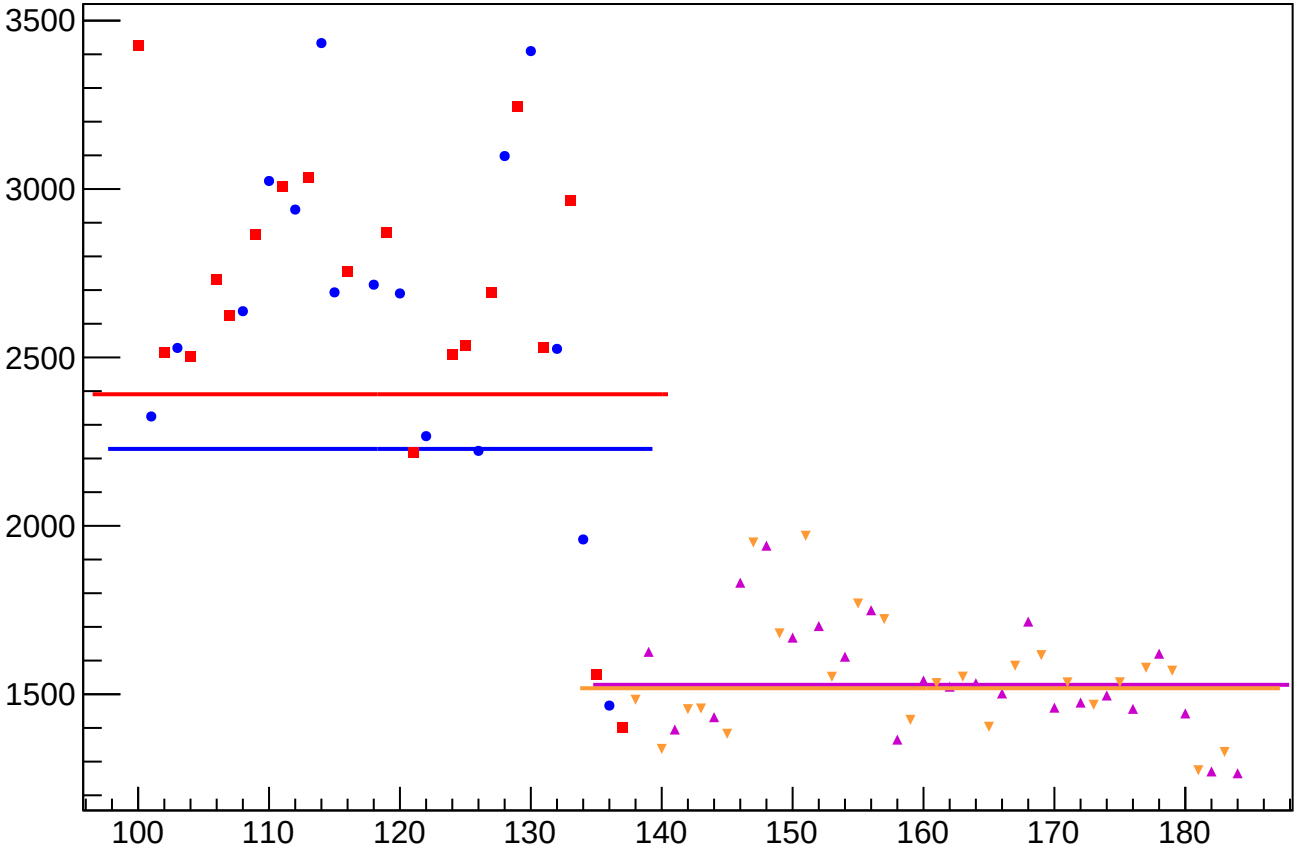
Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -317.784+/-331.449 χ^2/NDF:54.7/38

Out: -556.917+/-326.220 χ^2/NDF:54.1/42

All: -439.252+/-232.499 χ^2/NDF: 109.1/81

asym_sam_26_dd_cor_correction_rms vs Slug, Sign Corrected



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: 1527.964+/-0.254 χ^2/NDF:373845.3/22

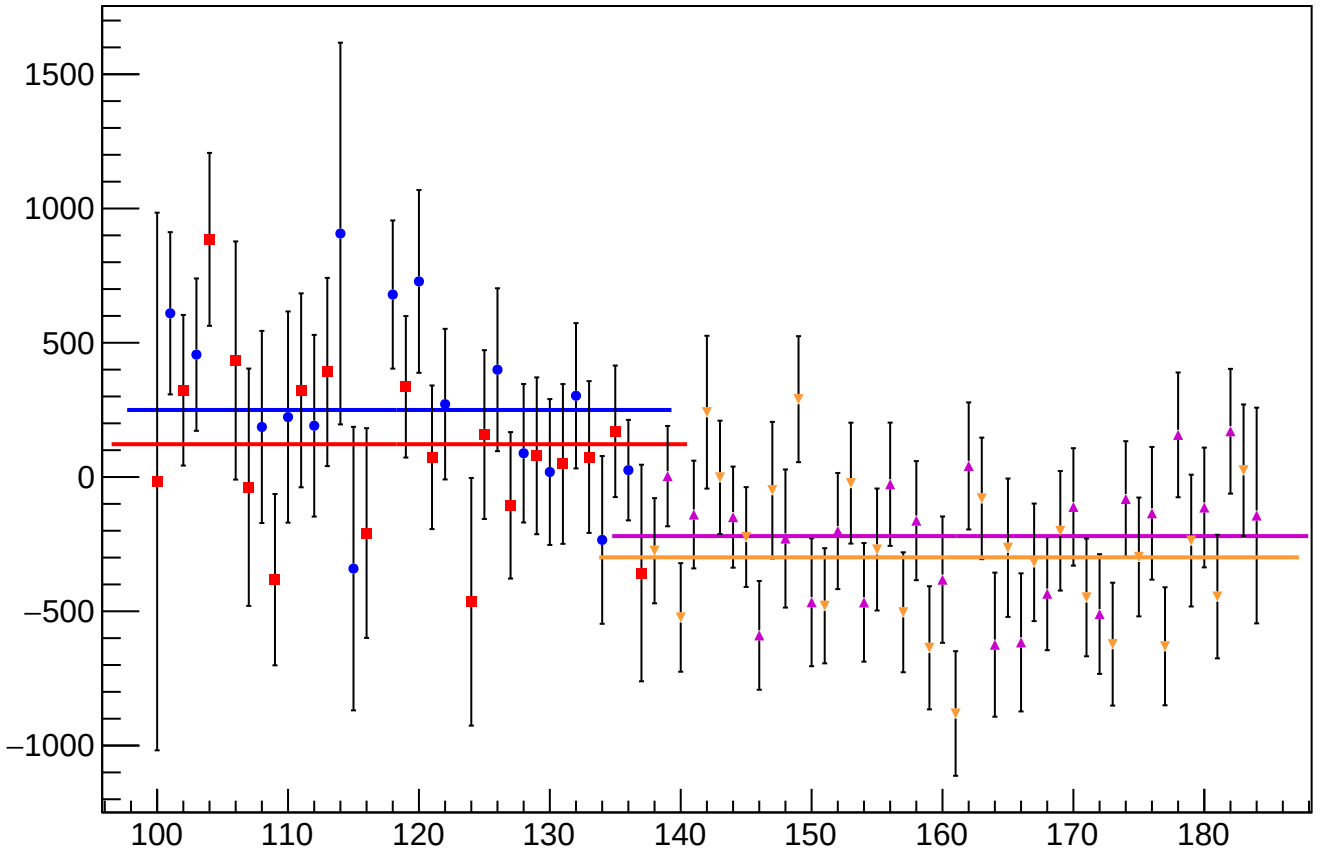
Left: 1522.771+/-0.177 χ^2/NDF: 792774.6/46

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1632.232+/-0.234 χ^2/NDF:2453221.6/38

Out: 1632.014+/-0.231 χ^2/NDF:2836069.2/42

All: 1632.121+/-0.164 χ^2/NDF: 5289291.3/81



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: -219.983+/-47.146 χ^2/NDF:23.7/22

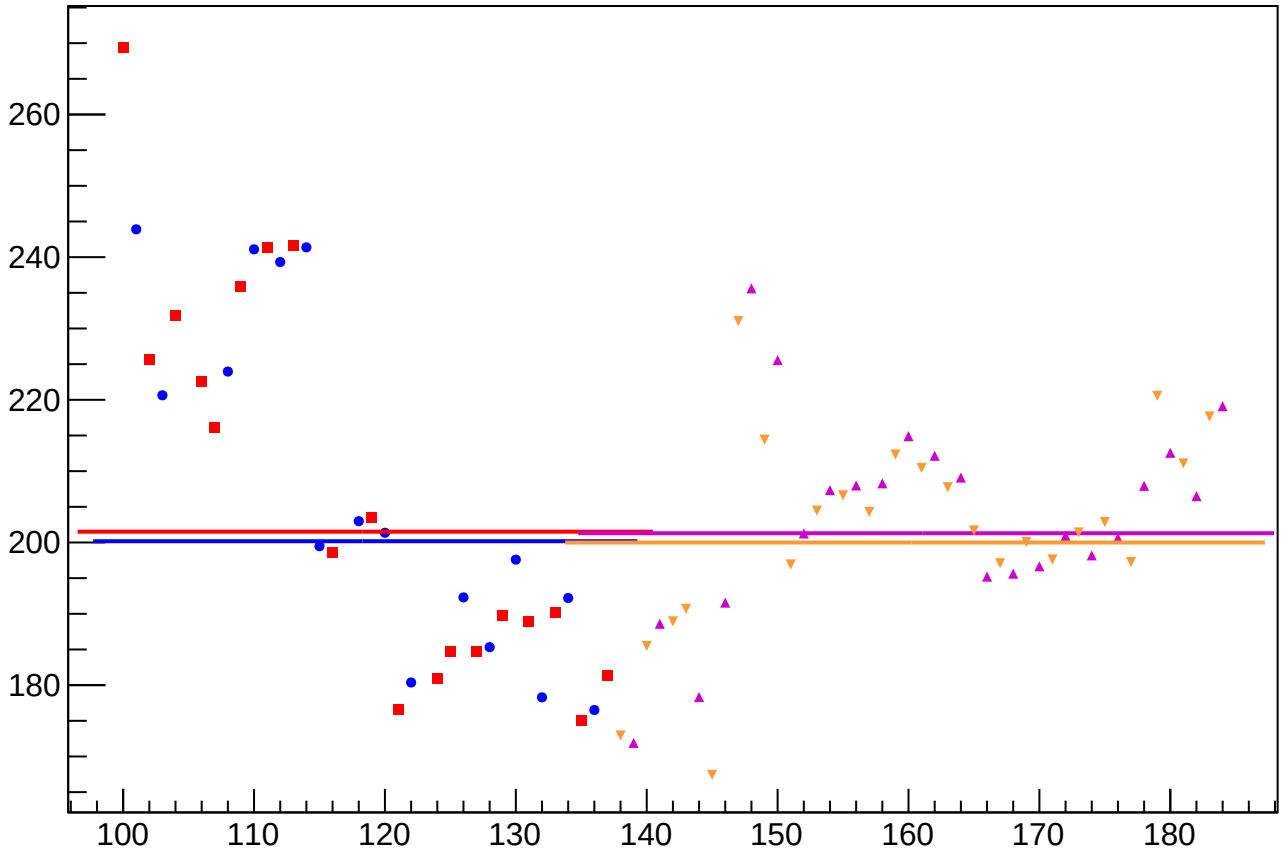
Left: -260.545+/-32.878 χ^2/NDF: 59.1/46

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -86.623+/-39.896 χ^2/NDF:65.7/38

Out: -182.897+/-39.044 χ^2/NDF:72.6/42

All: -135.799+/-27.905 χ^2/NDF: 141.2/81



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: 201.297+/-0.033 χ^2/NDF:181646.8/22

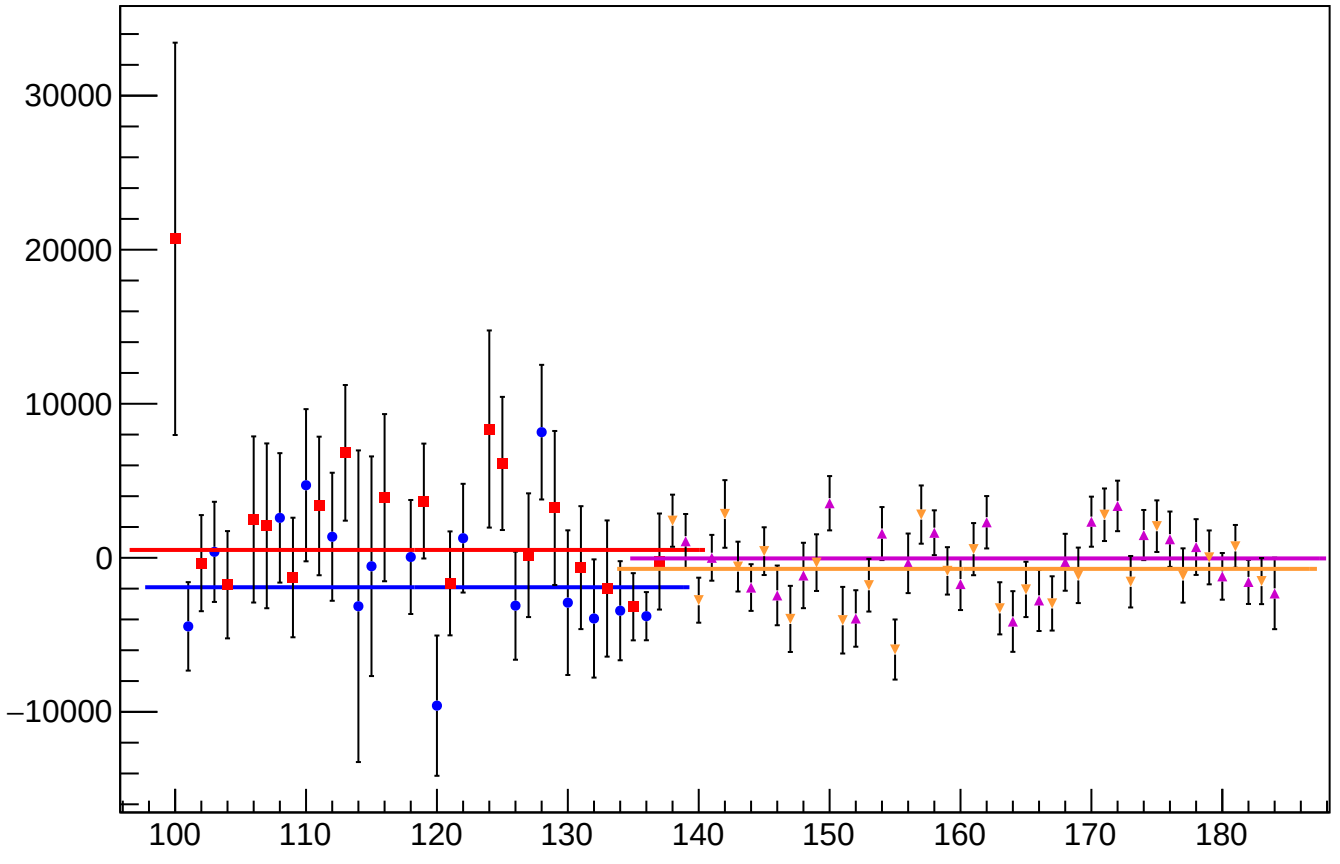
Left: 200.628+/-0.023 χ^2/NDF: 382897.5/46

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.979+/-0.028 χ^2/NDF:362969.2/38

Out: 200.413+/-0.028 χ^2/NDF:396502.1/42

All: 200.690+/-0.020 χ^2/NDF: 759677.0/81



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: -39.275+/-359.265 χ^2/NDF:34.4/22

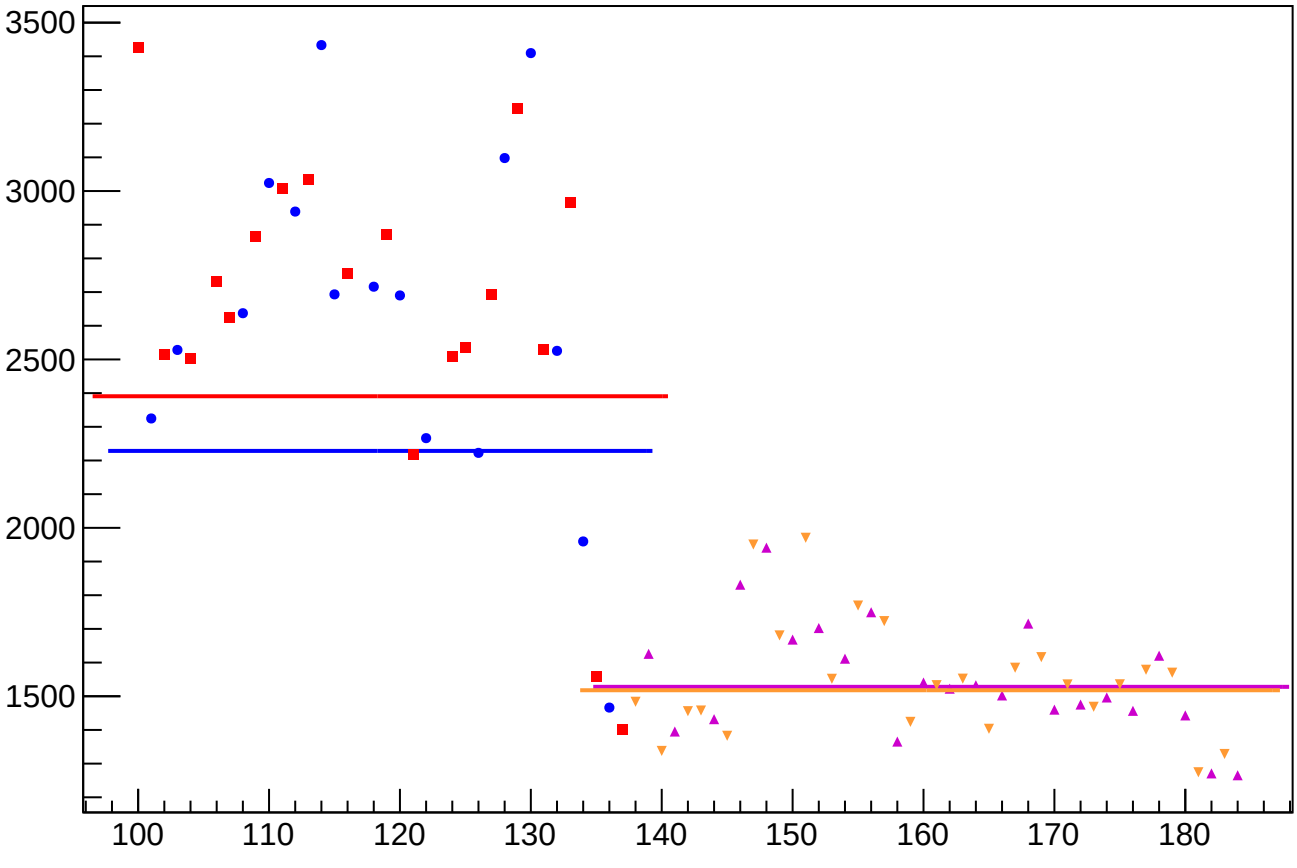
Left: -387.418+/-250.664 χ^2/NDF: 74.5/46

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -317.784+/-331.449 χ^2/NDF:54.7/38

Out: -556.917+/-326.220 χ^2/NDF:54.1/42

All: -439.252+/-232.499 χ^2/NDF: 109.1/81



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: 1527.964+/-0.254 χ^2/NDF:373845.3/22

Left: 1522.771+/-0.177 χ^2/NDF: 792774.6/46

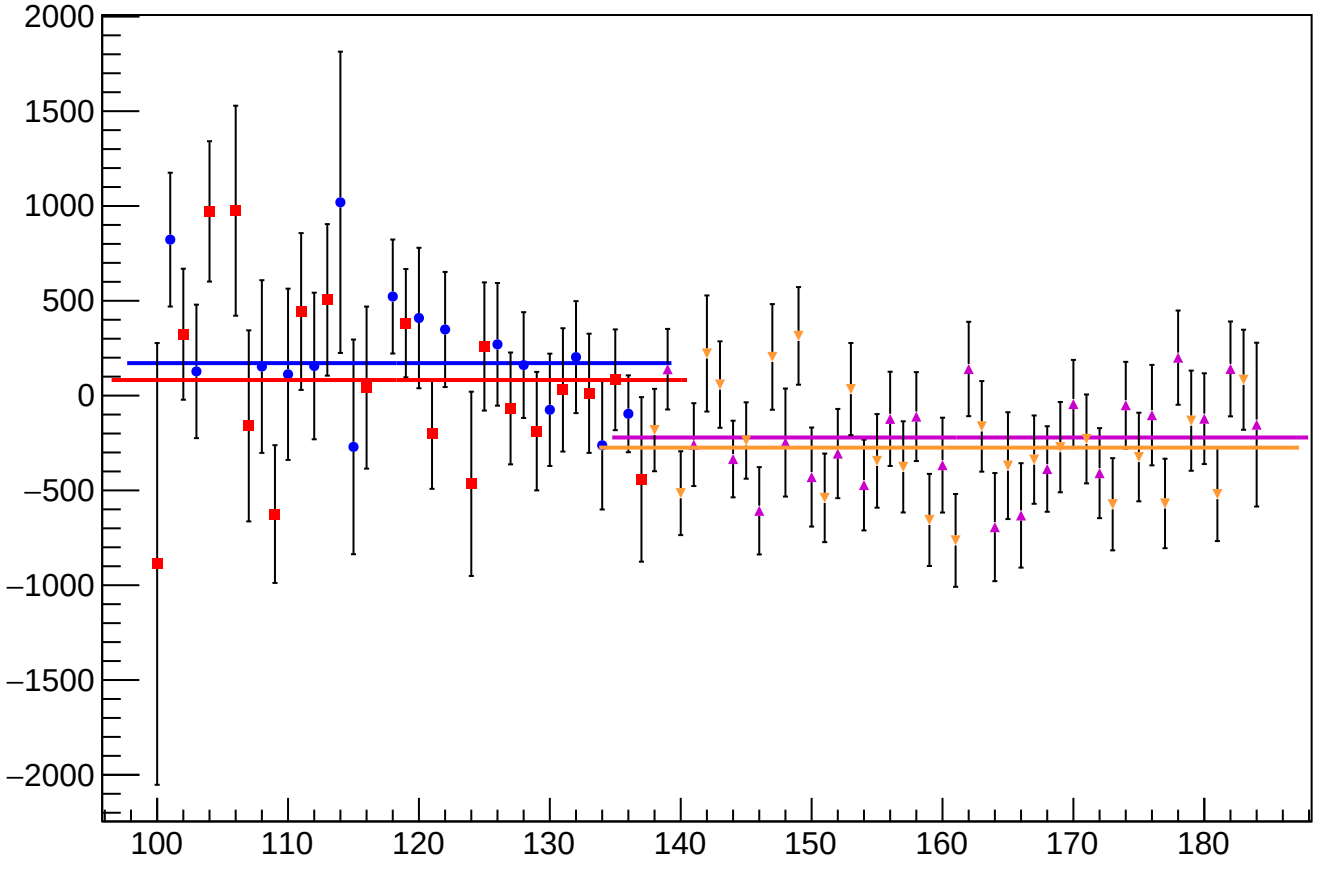
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1632.232+/-0.234 χ^2/NDF:2453221.6/38

Out: 1632.014+/-0.231 χ^2/NDF:2836069.2/42

All: 1632.121+/-0.164 χ^2/NDF: 5289291.3/81

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: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -248.498+/-35.478 χ^2/NDF: 54.6/46

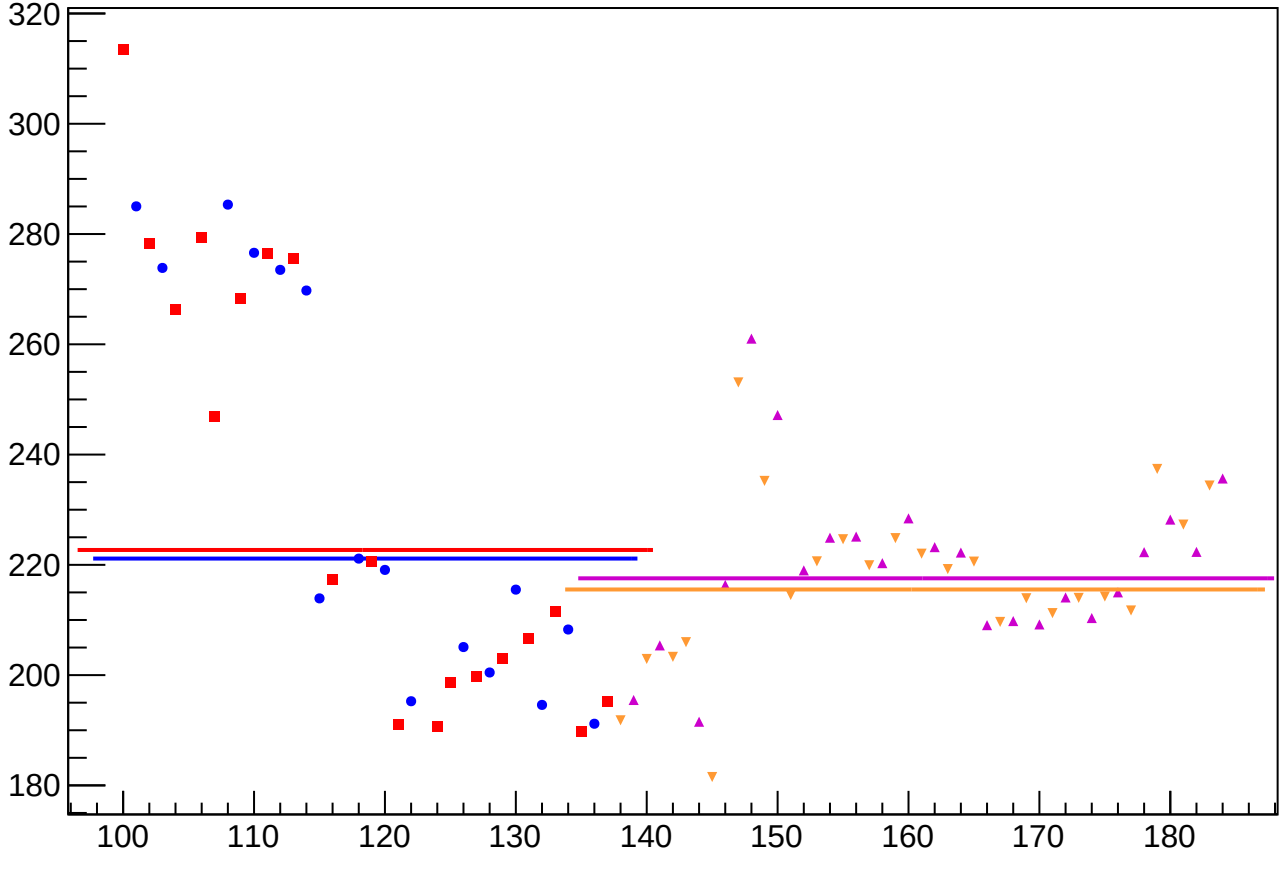
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -113.790+/-43.442 χ^2/NDF:51.0/38

Out: -180.333+/-42.405 χ^2/NDF:66.0/42

All: -147.865+/-30.345 χ^2/NDF: 118.2/81

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



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: 217.555+/-0.036 χ^2/NDF:161066.4/22

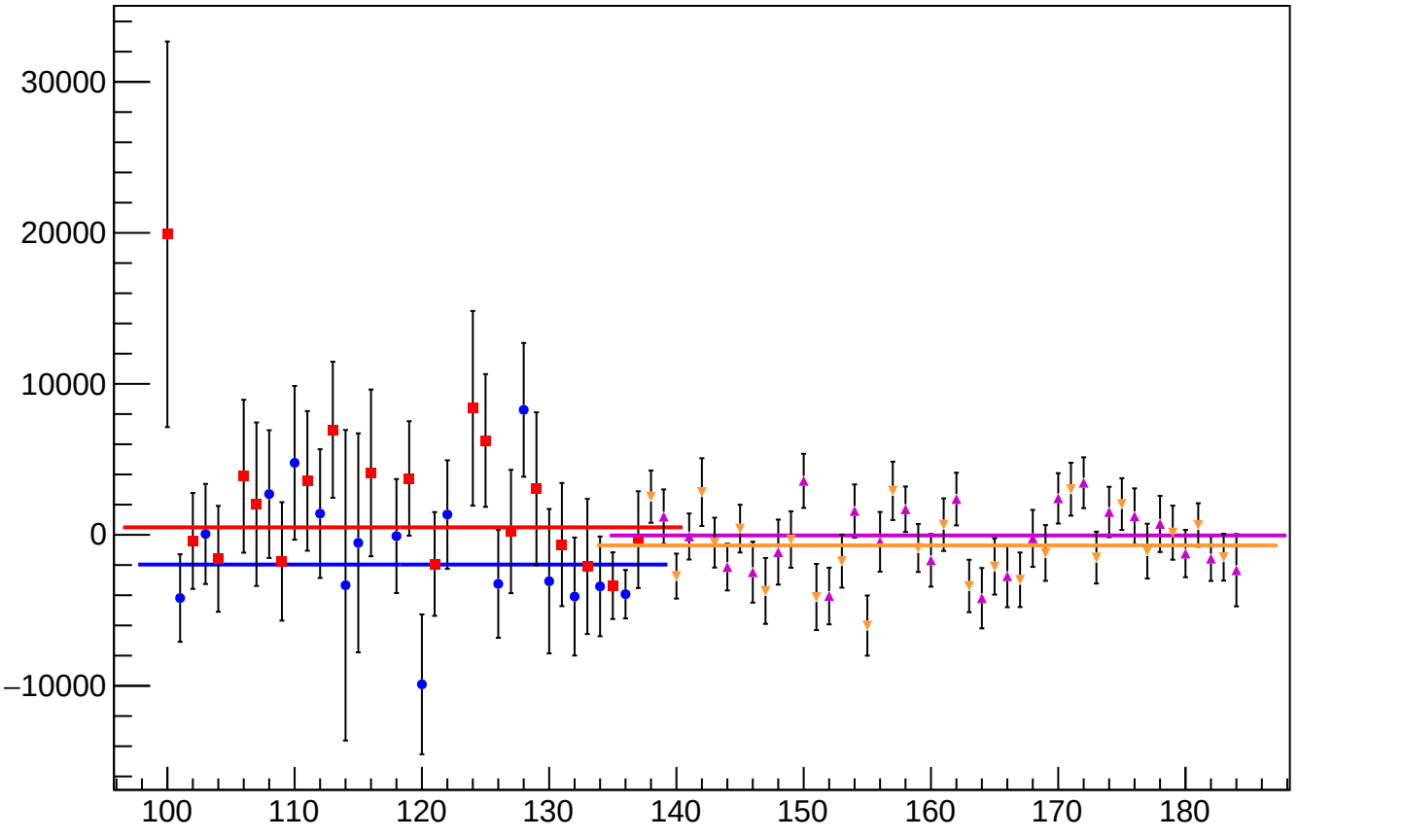
Left: 216.513+/-0.025 χ^2/NDF: 345678.1/46

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 218.534+/-0.031 χ^2/NDF:482471.8/38

Out: 217.423+/-0.030 χ^2/NDF:521113.0/42

All: 217.965+/-0.021 χ^2/NDF: 1004254.5/81



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: -39.658+/-368.873 χ^2/NDF:34.3/22

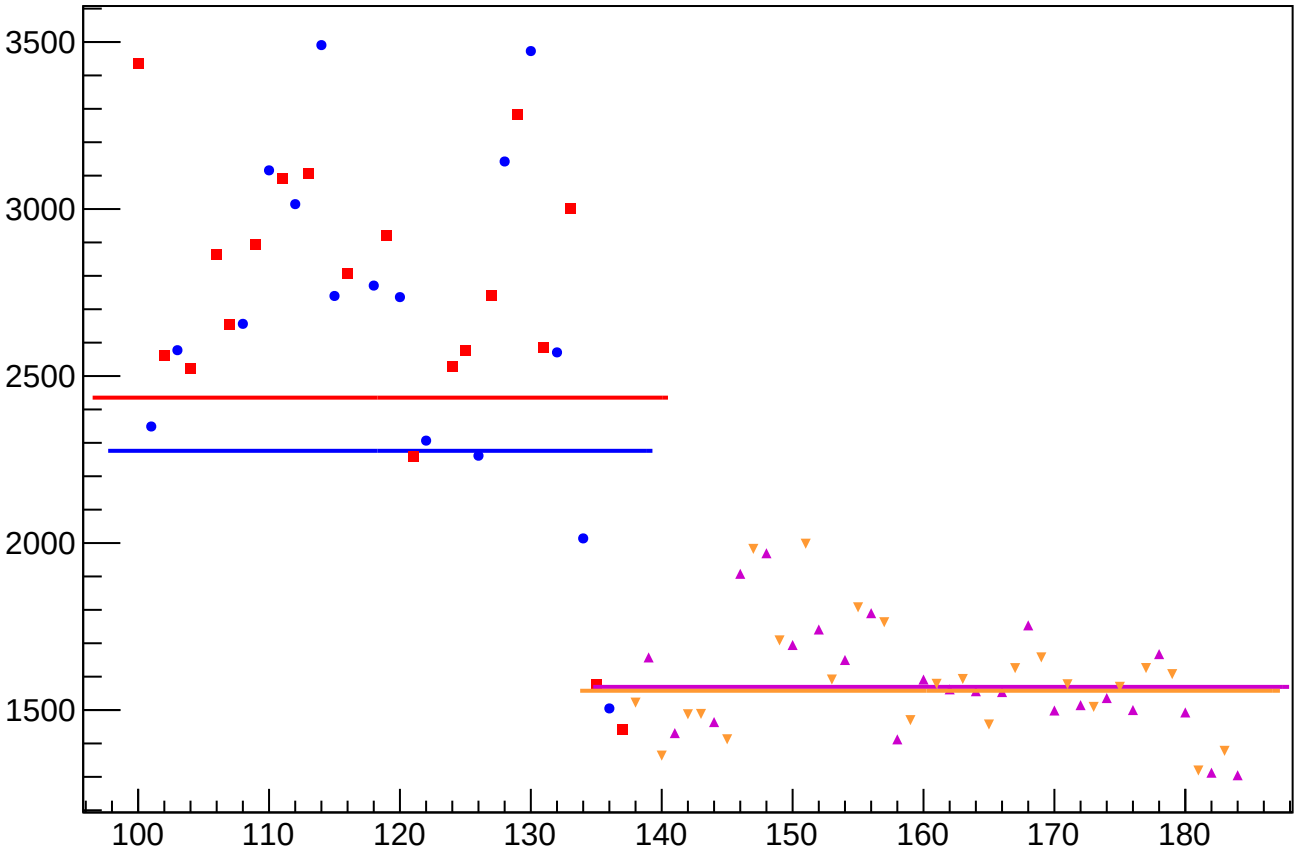
Left: -376.893+/-257.238 χ^2/NDF: 73.5/46

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -329.654+/-339.998 χ^2/NDF:54.6/38

Out: -536.946+/-334.114 χ^2/NDF:53.8/42

All: -435.109+/-238.307 χ^2/NDF: 108.6/81



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: 1569.383+/-0.261 χ^2/NDF:357481.9/22

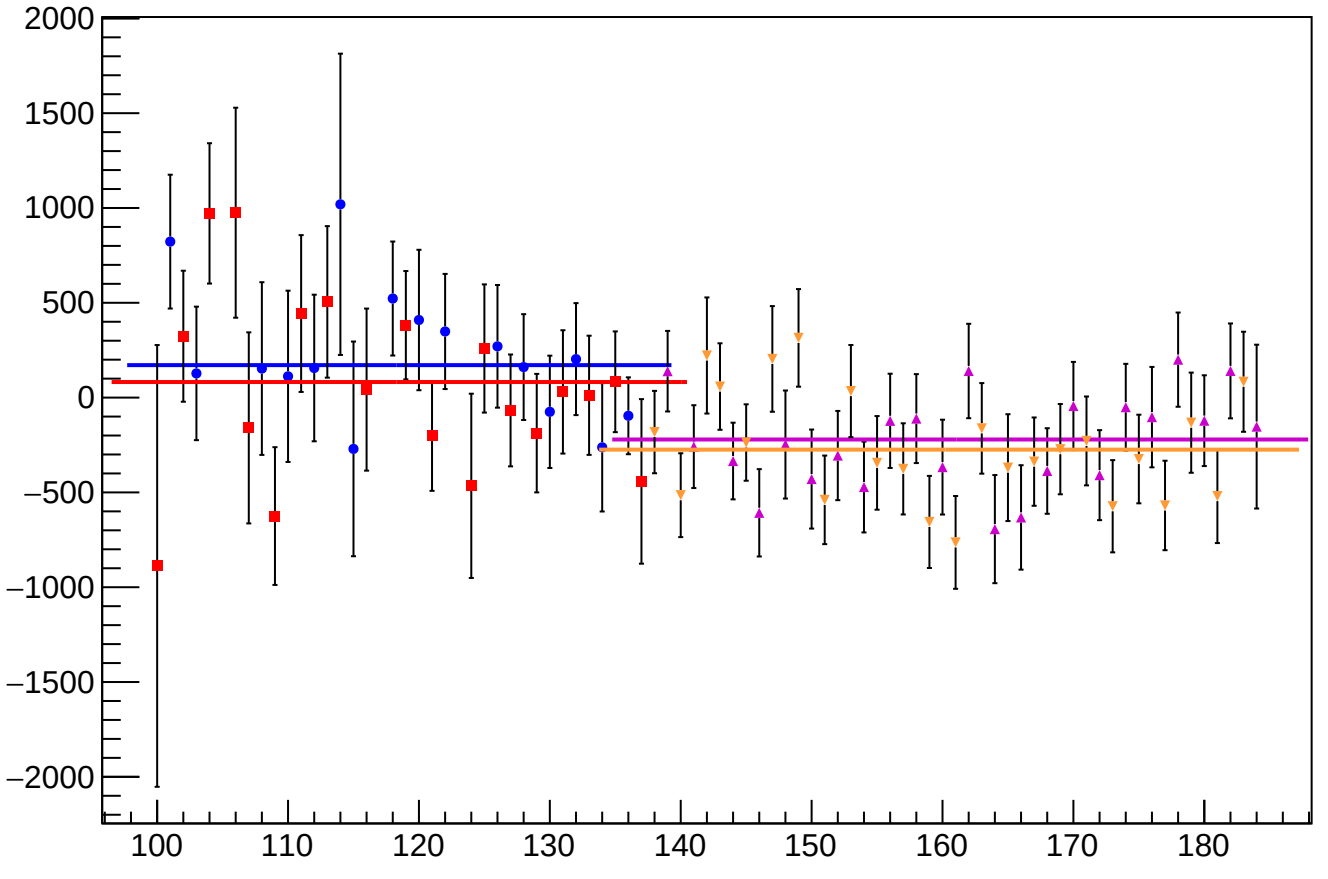
Left: 1563.429+/-0.182 χ^2/NDF: 749942.4/46

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1675.701+/-0.240 χ^2/NDF:2388921.3/38

Out: 1674.864+/-0.236 χ^2/NDF:2778062.5/42

All: 1675.276+/-0.169 χ^2/NDF: 5166990.0/81



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: -220.927+/-50.956 χ^2/NDF:23.4/22

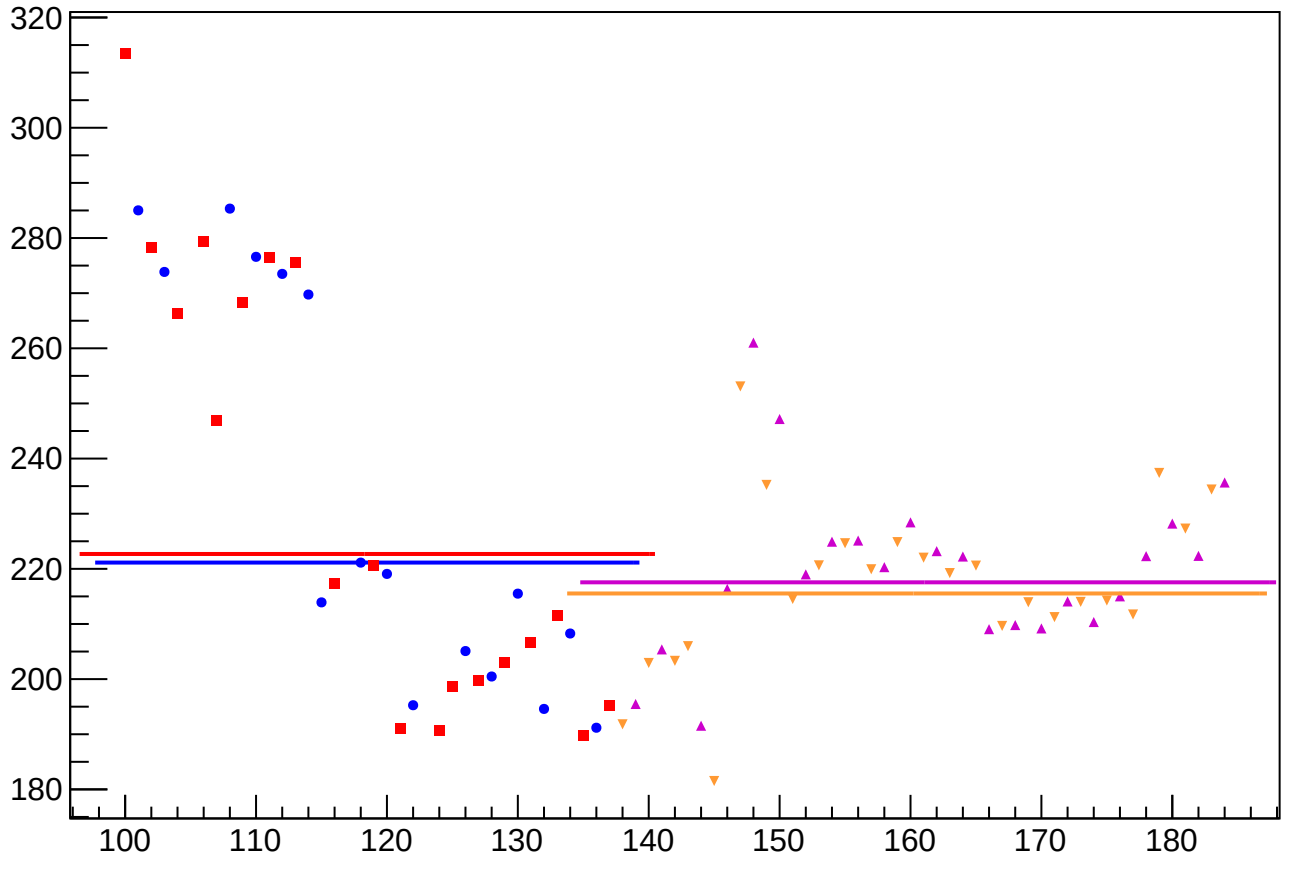
Left: -248.499+/-35.478 χ^2/NDF: 54.6/46

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -113.790+/-43.442 χ^2/NDF:51.0/38

Out: -180.334+/-42.405 χ^2/NDF:66.0/42

All: -147.866+/-30.345 χ^2/NDF: 118.2/81



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: 217.555+/-0.036 χ^2/NDF:161069.0/22

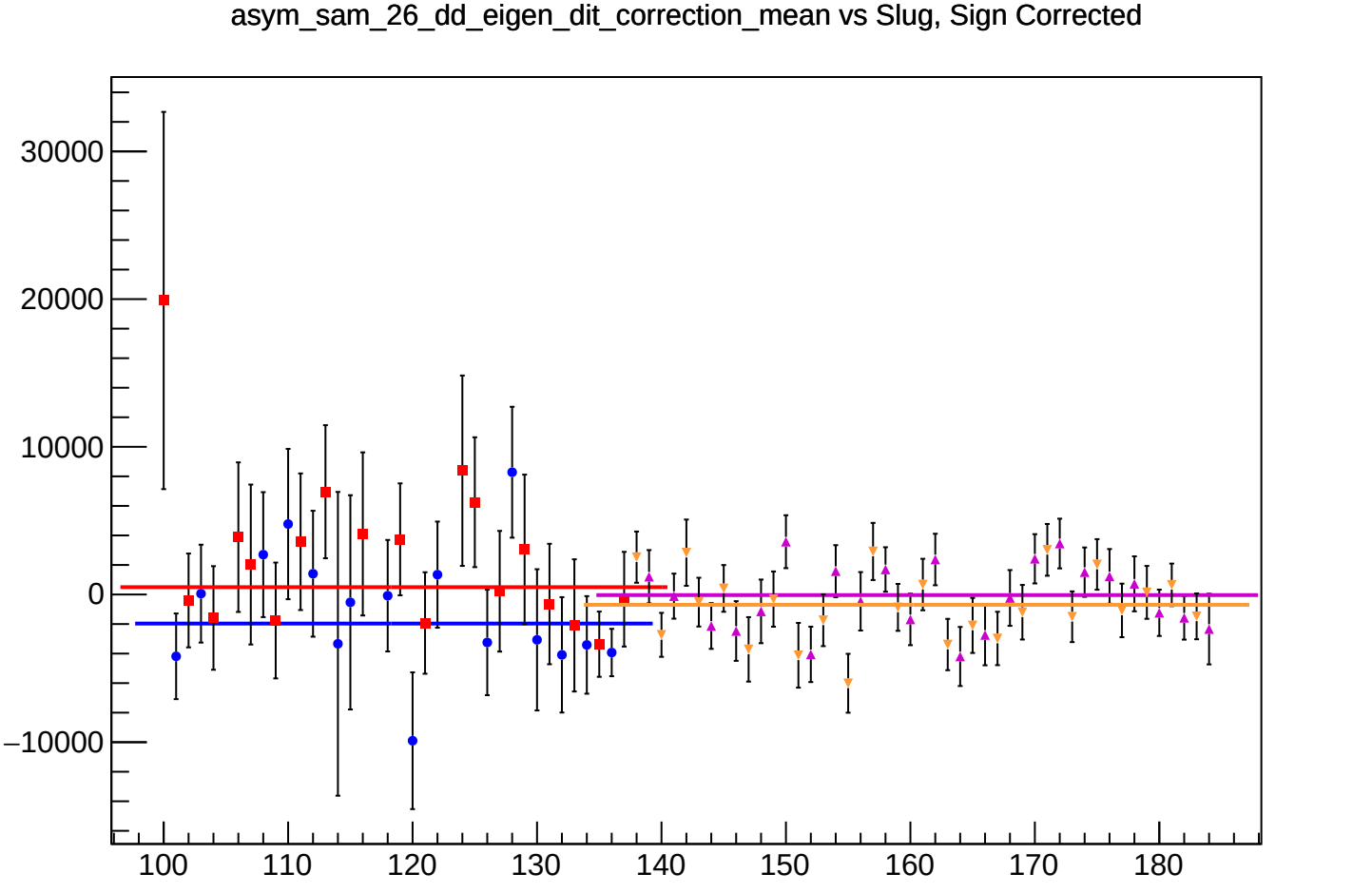
Left: 216.512+/-0.025 χ^2/NDF: 345684.5/46

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 218.533+/-0.031 χ^2/NDF:482467.8/38

Out: 217.423+/-0.030 χ^2/NDF:521107.5/42

All: 217.965+/-0.021 χ^2/NDF: 1004244.8/81



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: -39.657+/-368.873 χ^2/NDF:34.3/22

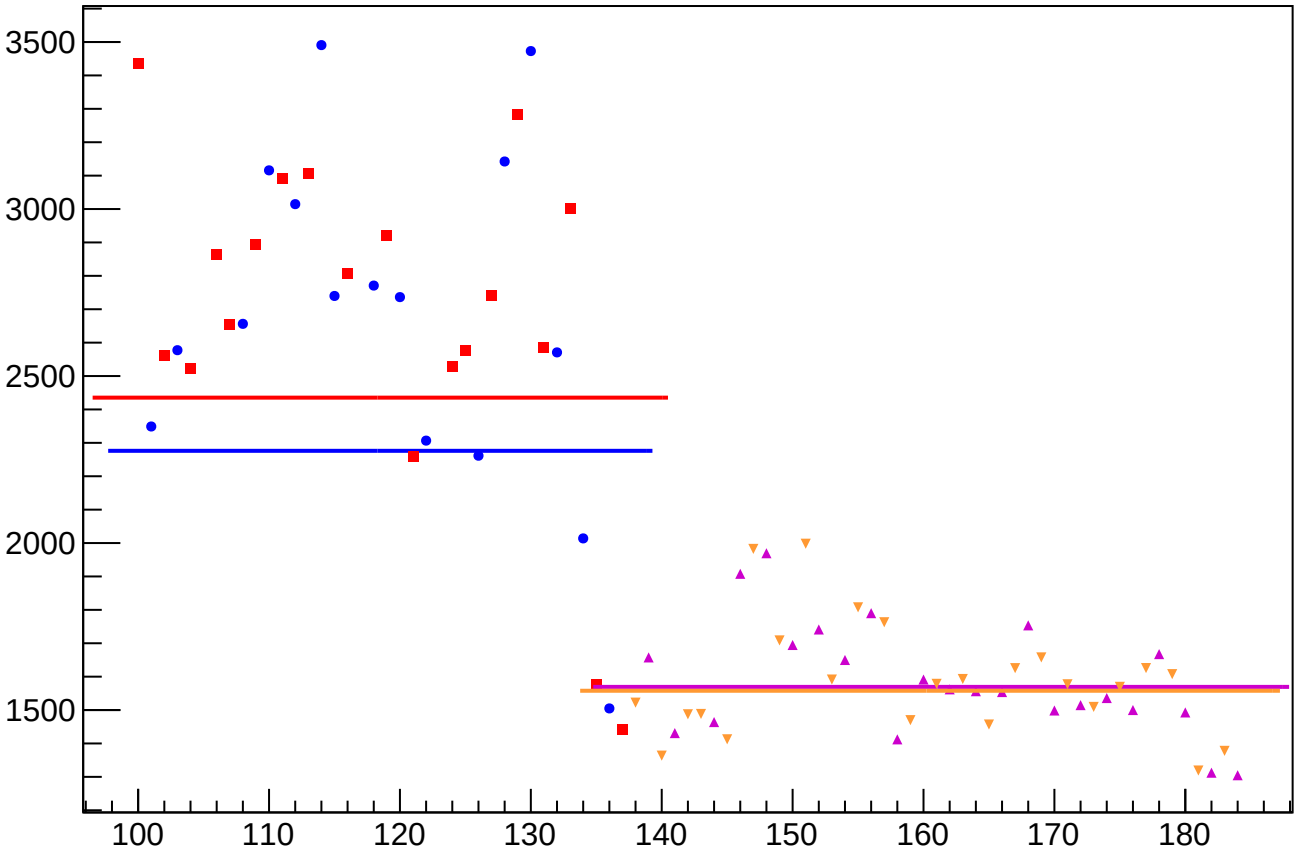
Left: -376.893+/-257.239 χ^2/NDF: 73.5/46

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -329.653+/-339.998 χ^2/NDF:54.6/38

Out: -536.946+/-334.114 χ^2/NDF:53.8/42

All: -435.109+/-238.307 χ^2/NDF: 108.6/81



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: 1569.383+/-0.261 χ^2/NDF:357484.6/22

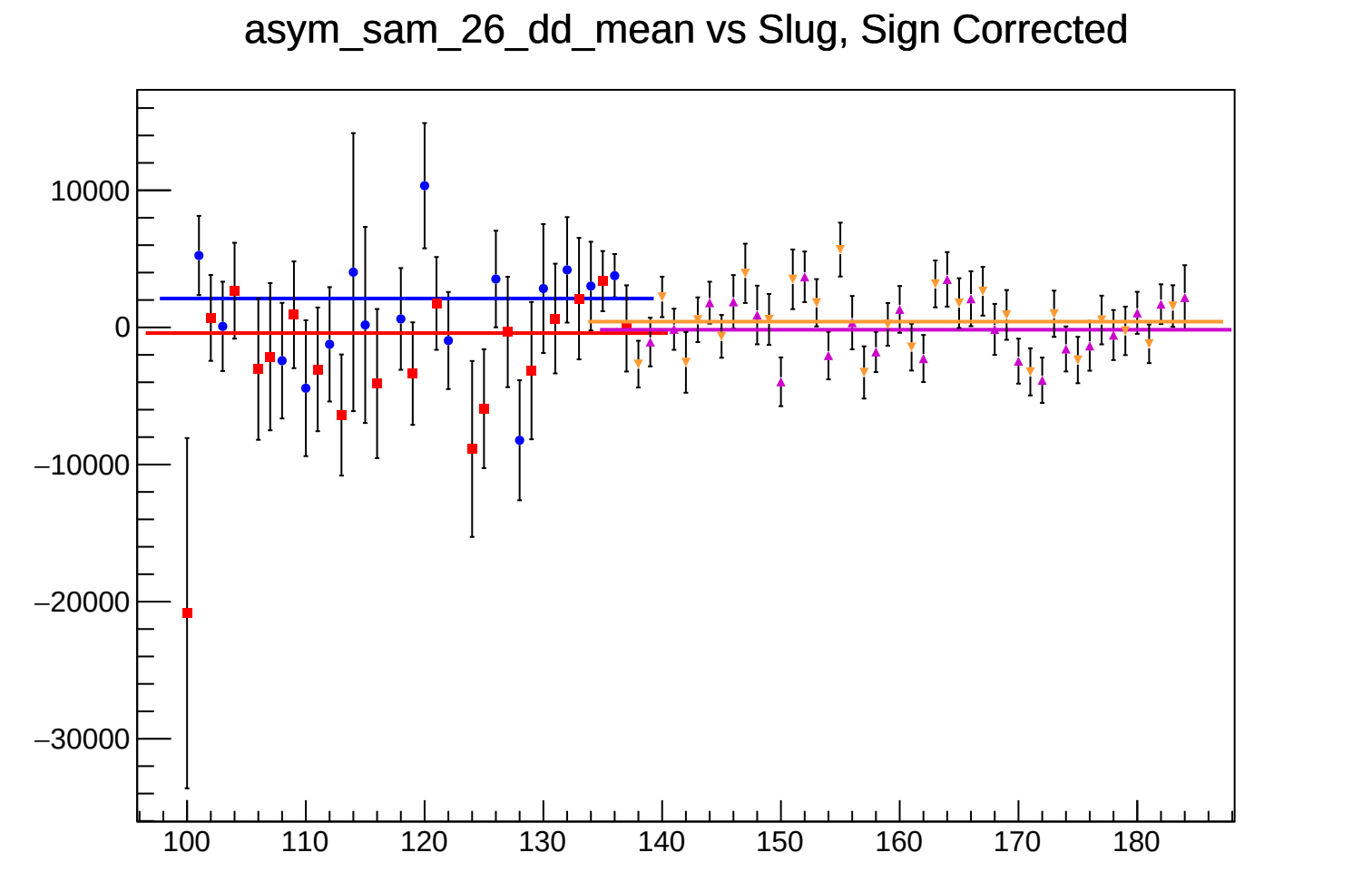
Left: 1563.429+/-0.182 χ^2/NDF: 749948.2/46

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1675.701+/-0.240 χ^2/NDF:2388908.8/38

Out: 1674.865+/-0.236 χ^2/NDF:2778049.8/42

All: 1675.276+/-0.169 χ^2/NDF: 5166964.7/81



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: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 133.521+/-252.953 χ^2/NDF: 73.1/46

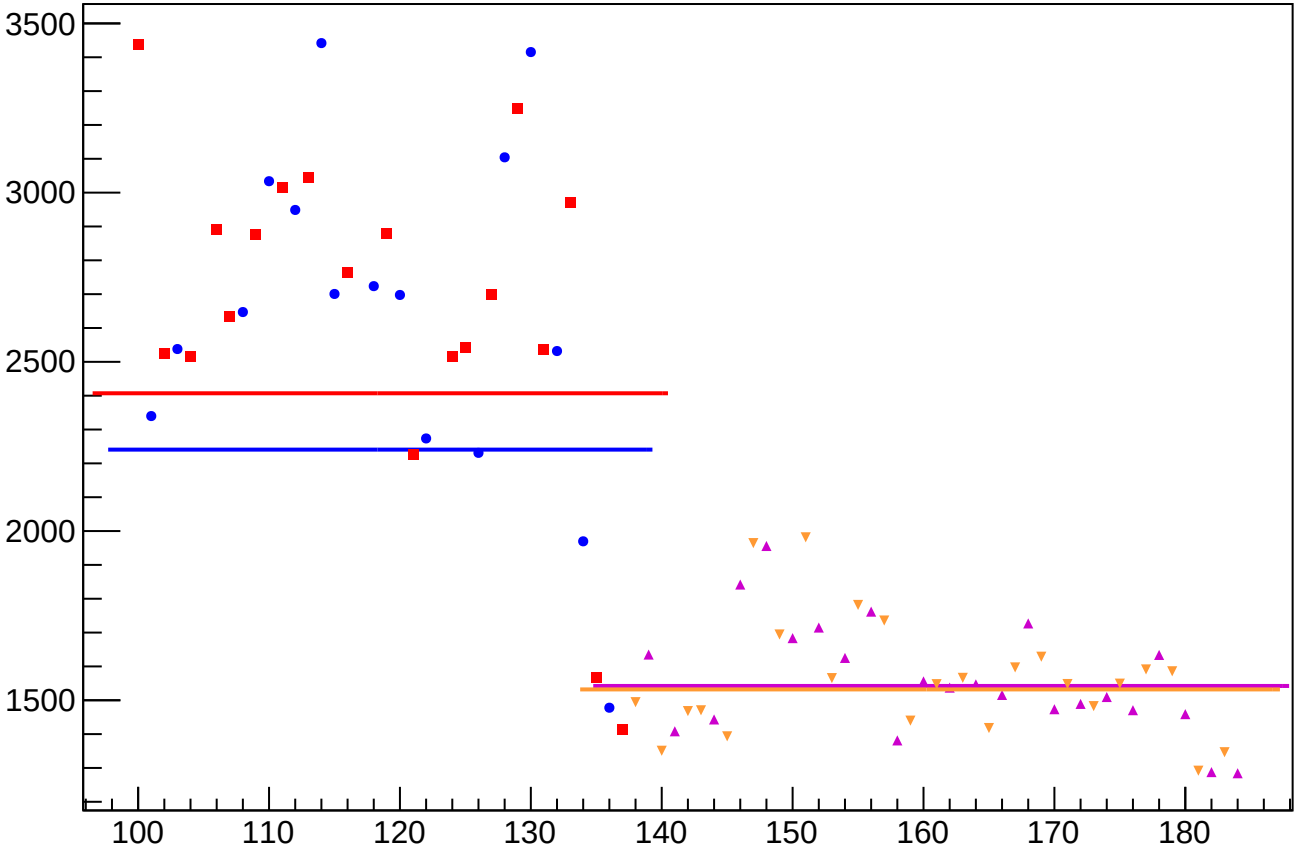
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 171.909+/-334.269 χ^2/NDF:55.6/38

Out: 310.770+/-328.919 χ^2/NDF:54.1/42

All: 242.460+/-234.449 χ^2/NDF: 109.8/81

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: 1542.262+/-0.256 χ^2/NDF:362291.1/22

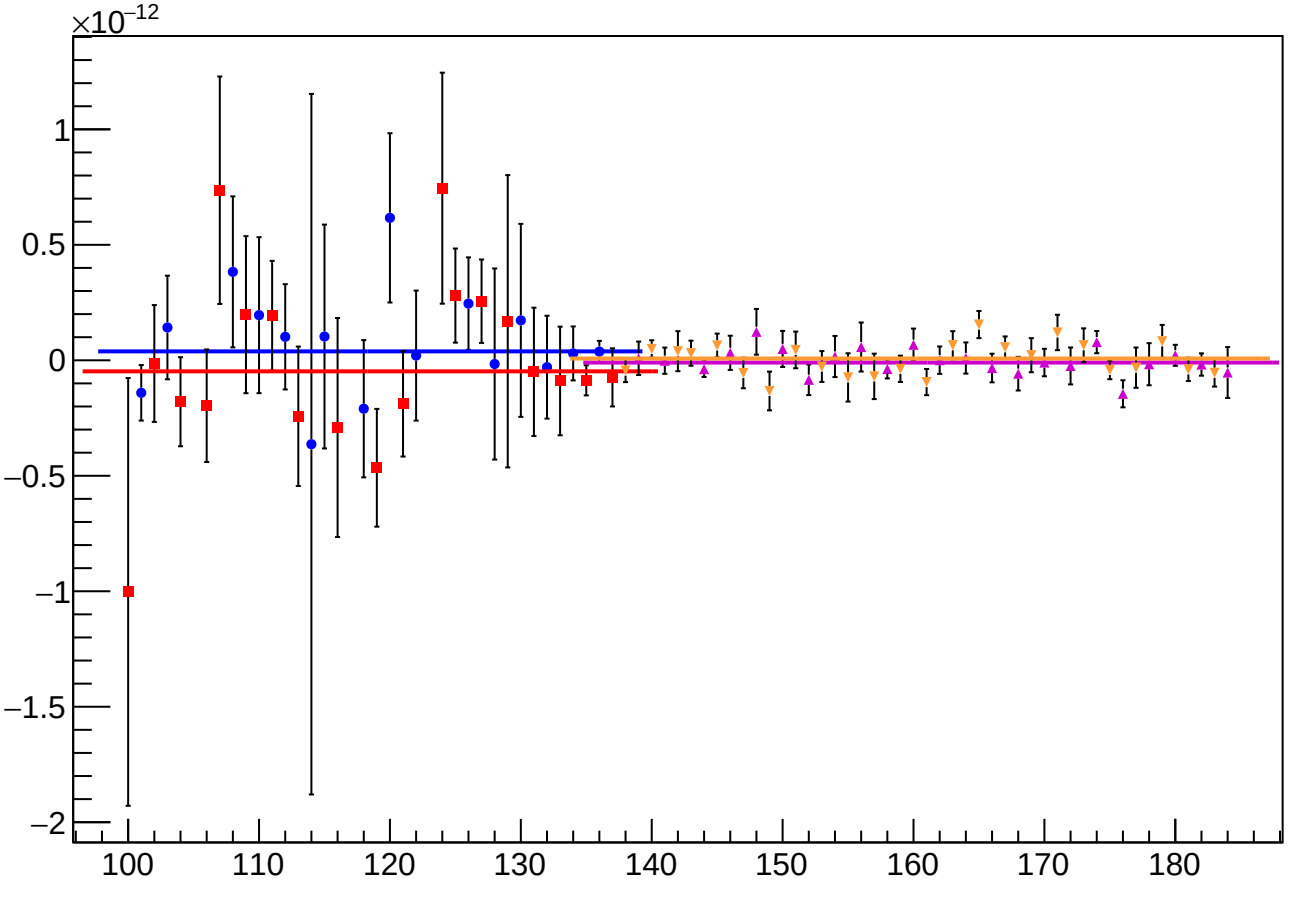
Left: 1537.014+/-0.179 χ^2/NDF: 769747.8/46

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1646.966+/-0.236 χ^2/NDF:2408472.6/38

Out: 1647.779+/-0.233 χ^2/NDF:2820364.5/42

All: 1647.379+/-0.166 χ^2/NDF: 5228843.1/81



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:17.0/22

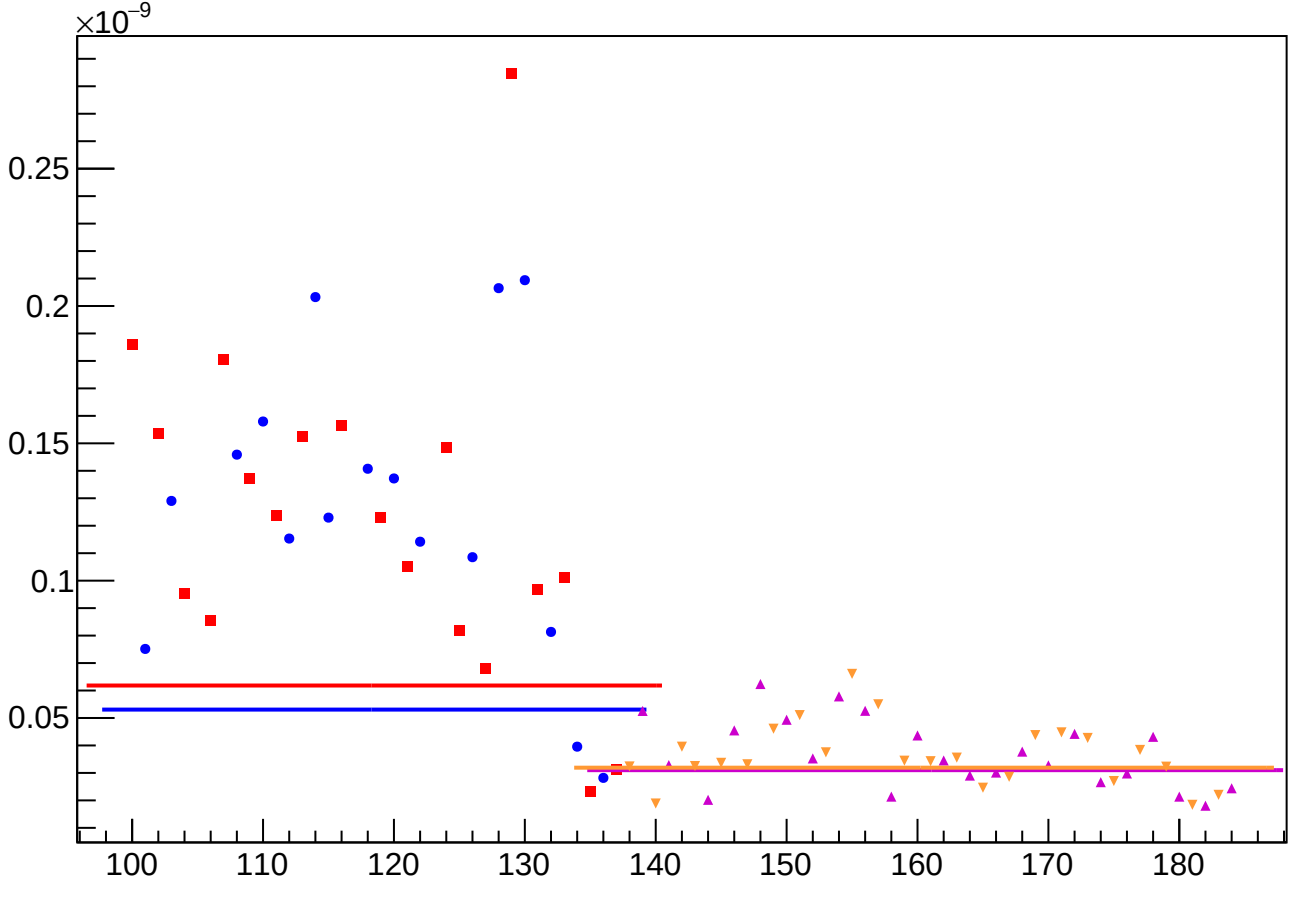
Left: -0.000+/-0.000 χ^2/NDF: 46.9/46

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:27.0/38

Out: 0.000+/-0.000 χ^2/NDF:48.7/42

All: -0.000+/-0.000 χ^2/NDF: 75.9/81



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:1593815.4/22

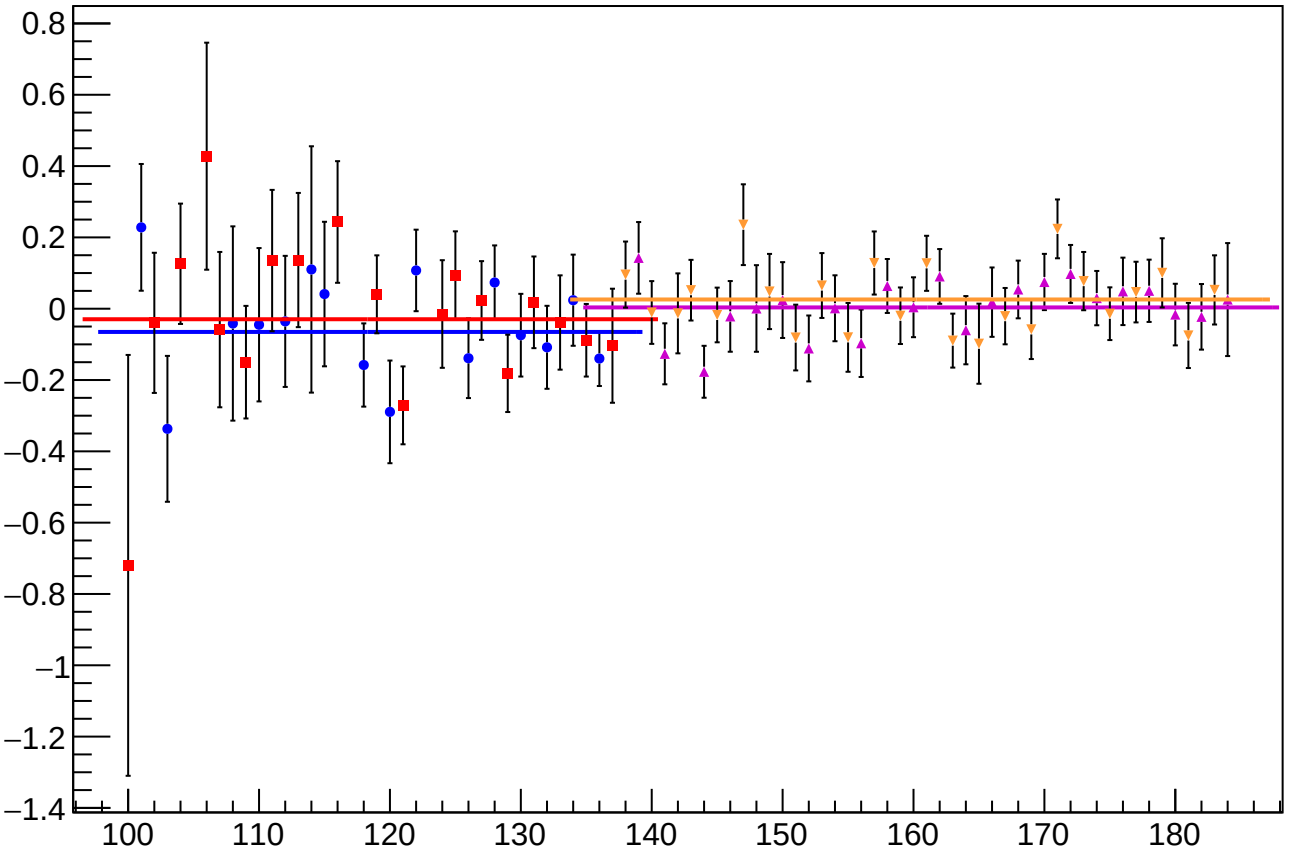
Left: 0.000+/-0.000 χ^2/NDF: 2818153.2/46

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4827074.9/38

Out: 0.000+/-0.000 χ^2/NDF:4517710.5/42

All: 0.000+/-0.000 χ^2/NDF: 9348627.7/81



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: 0.004+/-0.019 χ^2/NDF:18.9/22

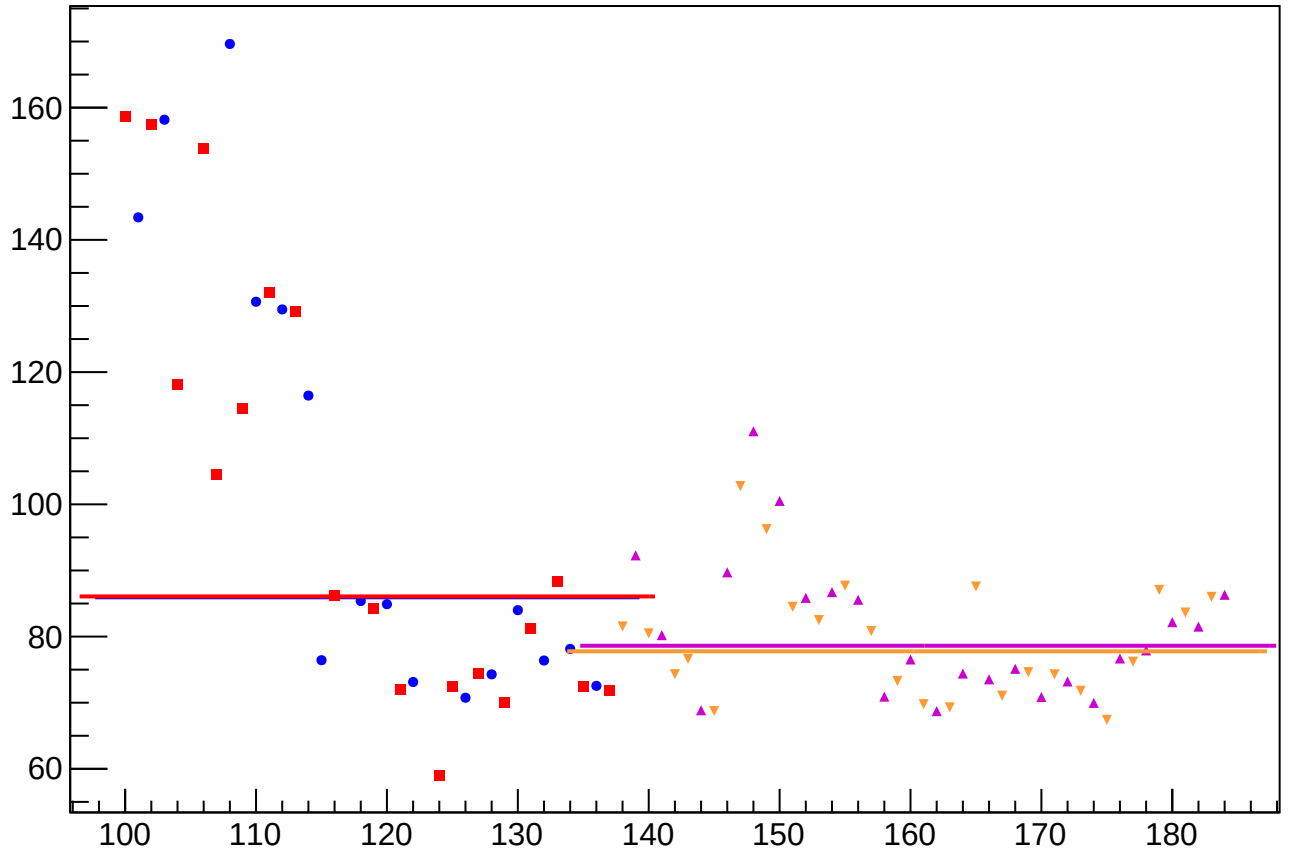
Left: 0.015+/-0.013 χ^2/NDF: 43.8/46

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.016 χ^2/NDF:36.3/38

Out: 0.013+/-0.016 χ^2/NDF:44.5/42

All: 0.001+/-0.011 χ^2/NDF: 82.0/81



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: 78.615+/-0.013 χ^2/NDF:497808.4/22

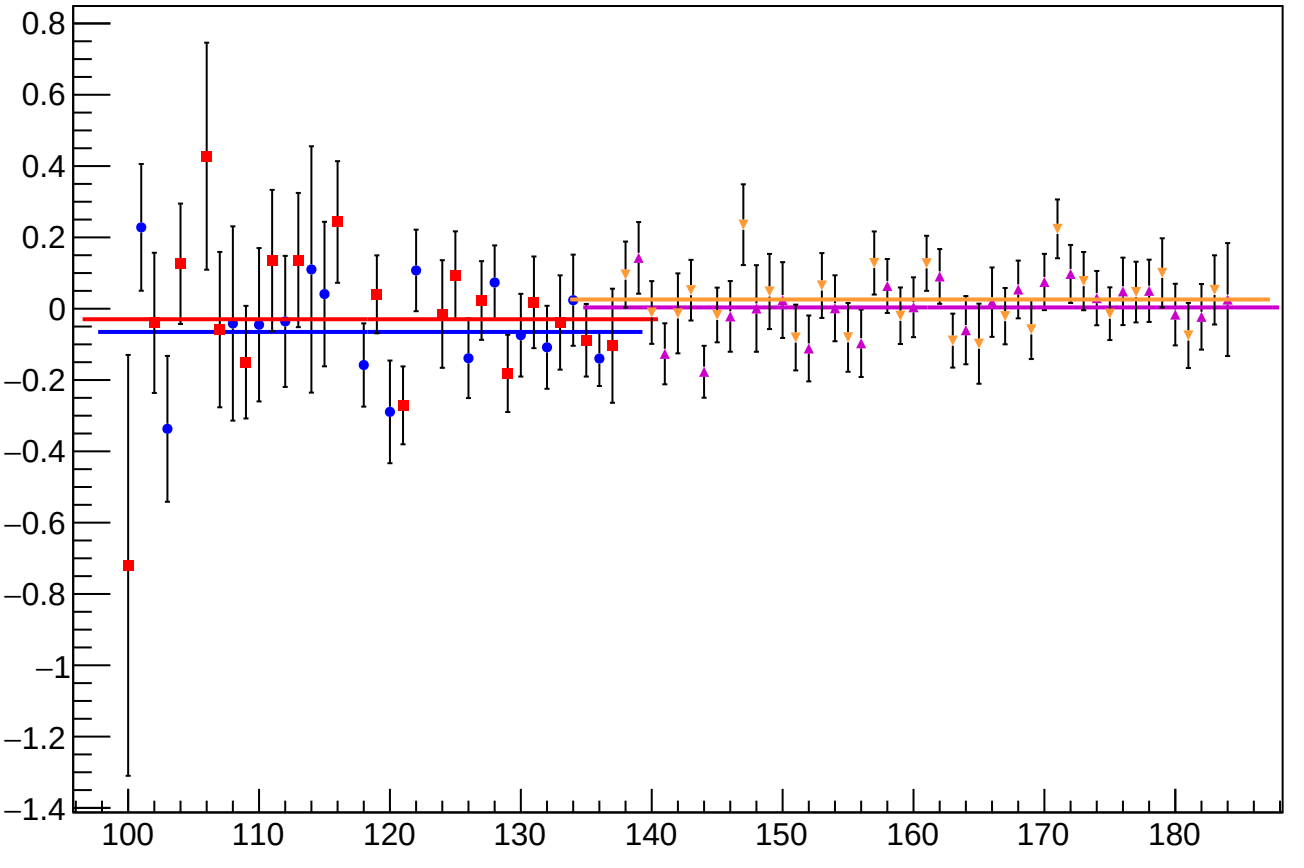
Left: 78.180+/-0.009 χ^2/NDF: 914321.0/46

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.353+/-0.011 χ^2/NDF:1606724.7/38

Out: 79.669+/-0.011 χ^2/NDF:1503588.4/42

All: 80.001+/-0.008 χ^2/NDF: 3112143.9/81



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: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.015+/-0.013 χ^2/NDF: 43.8/46

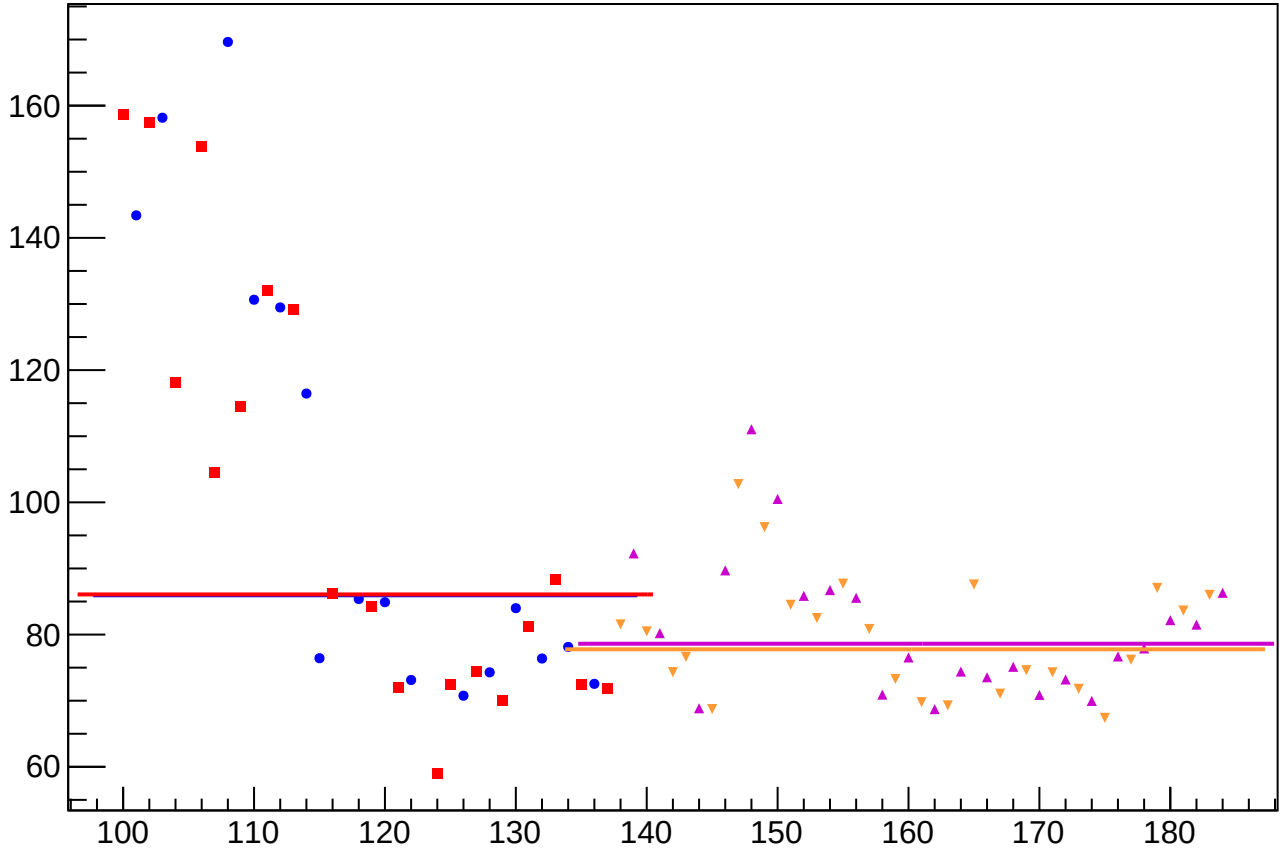
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.016 χ^2/NDF:36.3/38

Out: 0.013+/-0.016 χ^2/NDF:44.5/42

All: 0.001+/-0.011 χ^2/NDF: 82.0/81

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: 78.615+/-0.013 χ^2/NDF:497808.4/22

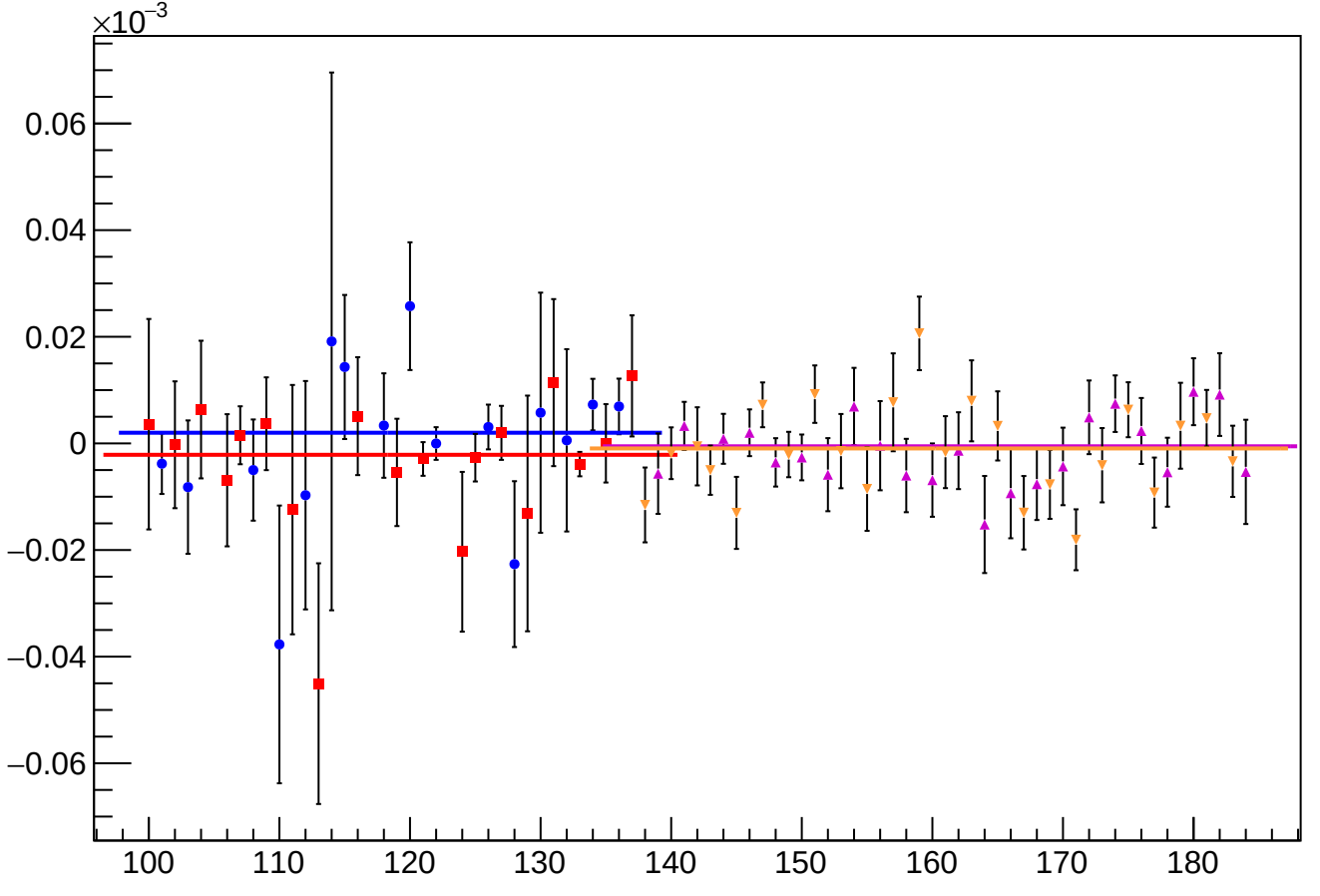
Left: 78.180+/-0.009 χ^2/NDF: 914321.0/46

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

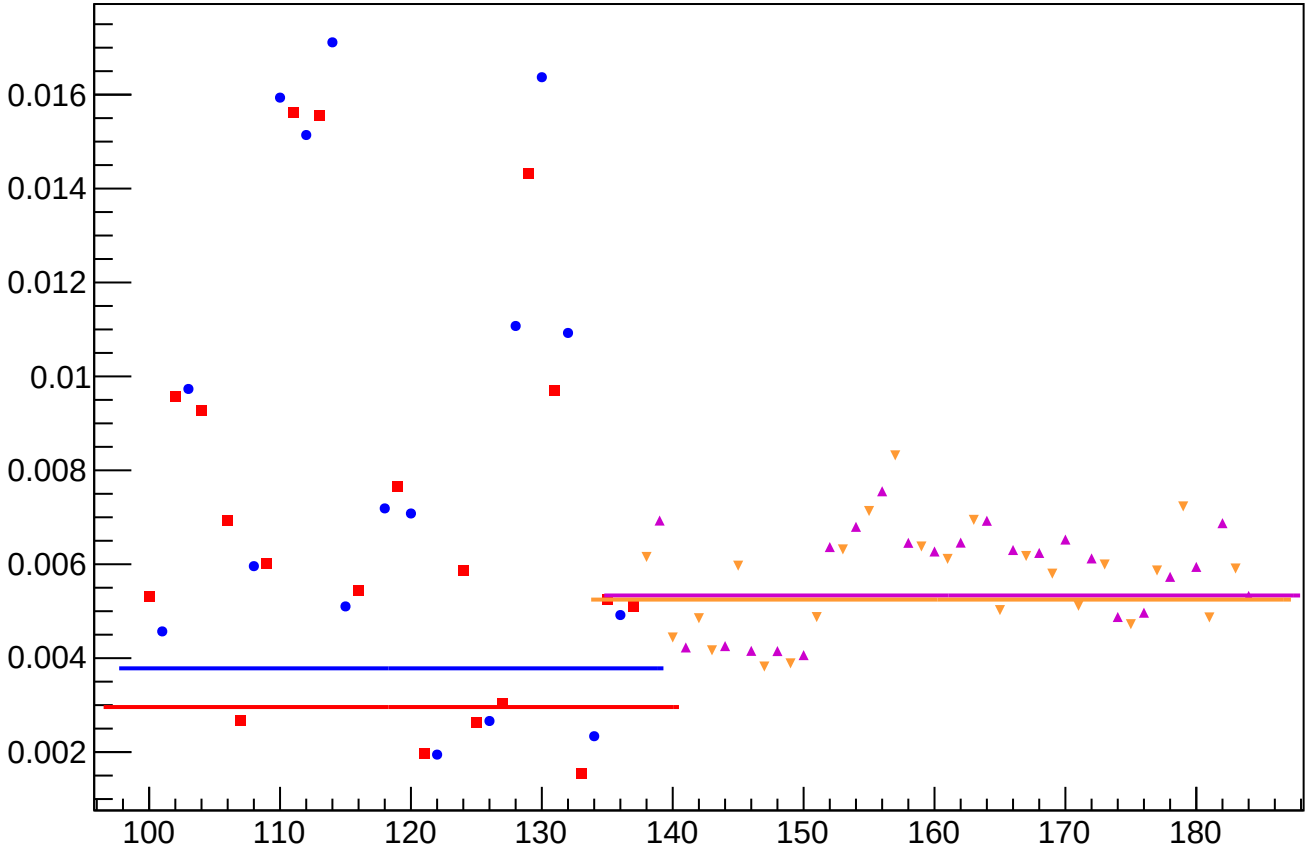
In: 80.353+/-0.011 χ^2/NDF:1606724.7/38

Out: 79.669+/-0.011 χ^2/NDF:1503588.4/42

All: 80.001+/-0.008 χ^2/NDF: 3112143.9/81


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: -0.000+/-0.000 χ²/NDF:45.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: -0.000+/-0.000 χ²/NDF:18.6/22
Left: -0.000+/-0.000 χ²/NDF: 64.3/46
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:34.9/38
Out: -0.000+/-0.000 χ²/NDF:57.5/42
All: -0.000+/-0.000 χ²/NDF: 94.2/81

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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:1508187.9/22

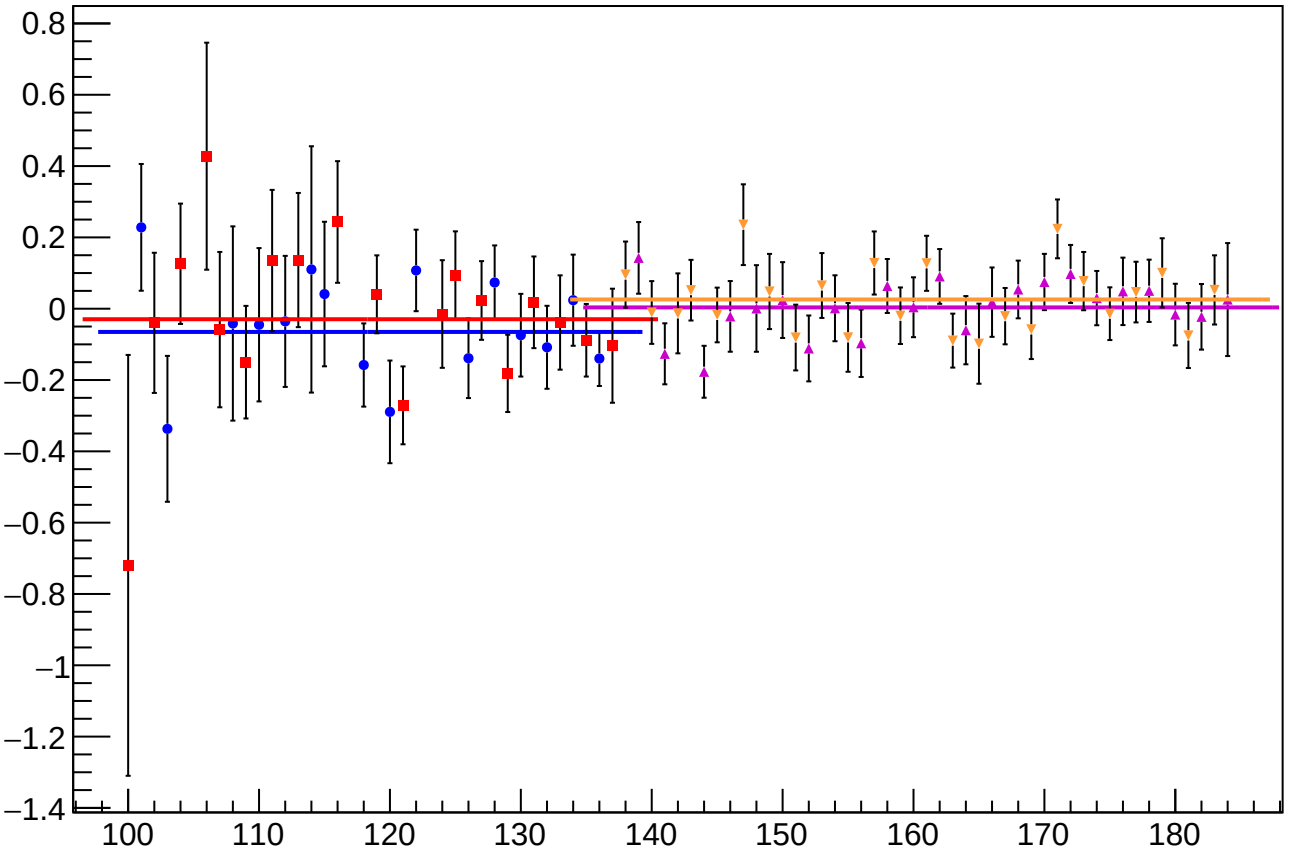
Left: 0.005+/-0.000 χ^2/NDF: 3022696.3/46

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:7228402.7/38

Out: 0.004+/-0.000 χ^2/NDF:10064231.7/42

All: 0.004+/-0.000 χ^2/NDF: 17597336.5/81



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: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.015+/-0.013 χ^2/NDF: 43.8/46

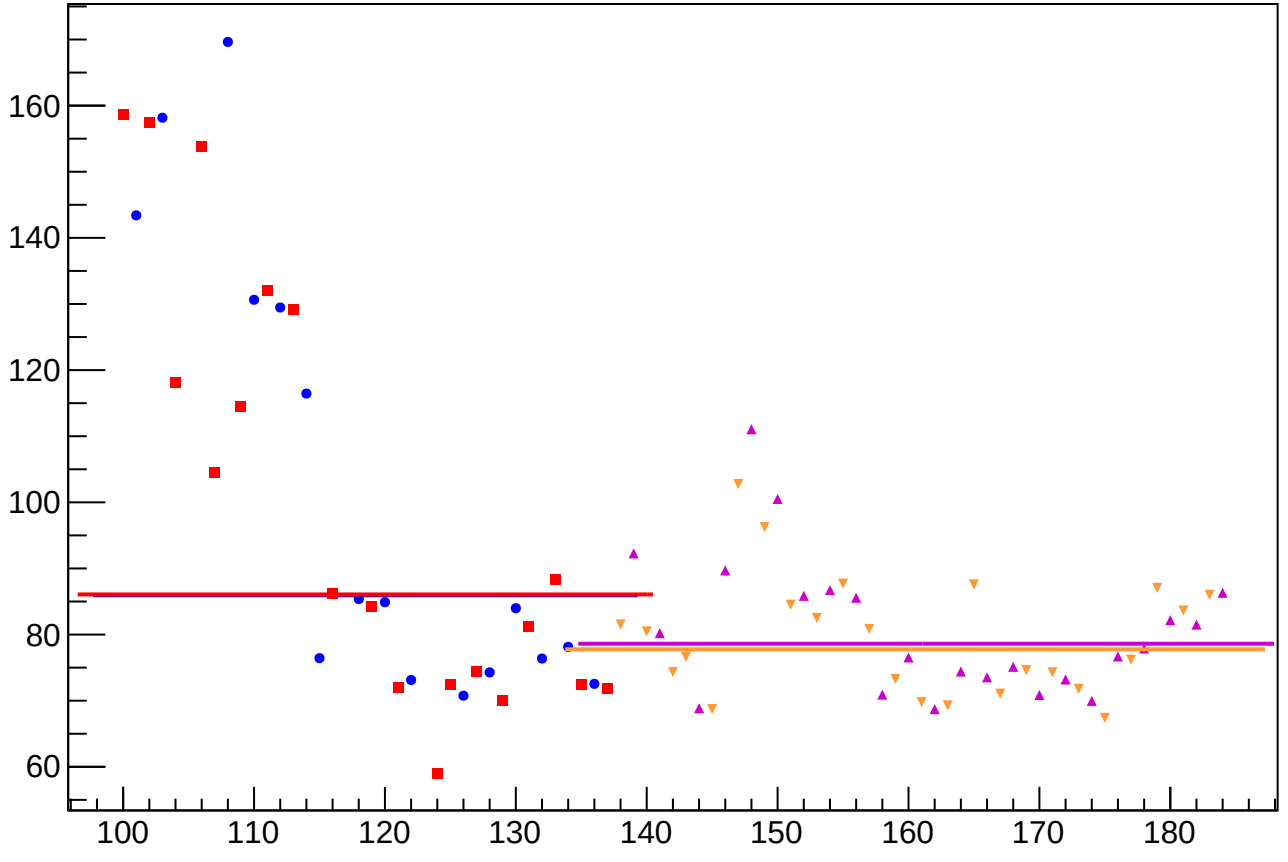
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.016 χ^2/NDF:36.3/38

Out: 0.013+/-0.016 χ^2/NDF:44.5/42

All: 0.001+/-0.011 χ^2/NDF: 82.0/81

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: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.179+/-0.009 χ^2/NDF: 914396.2/46

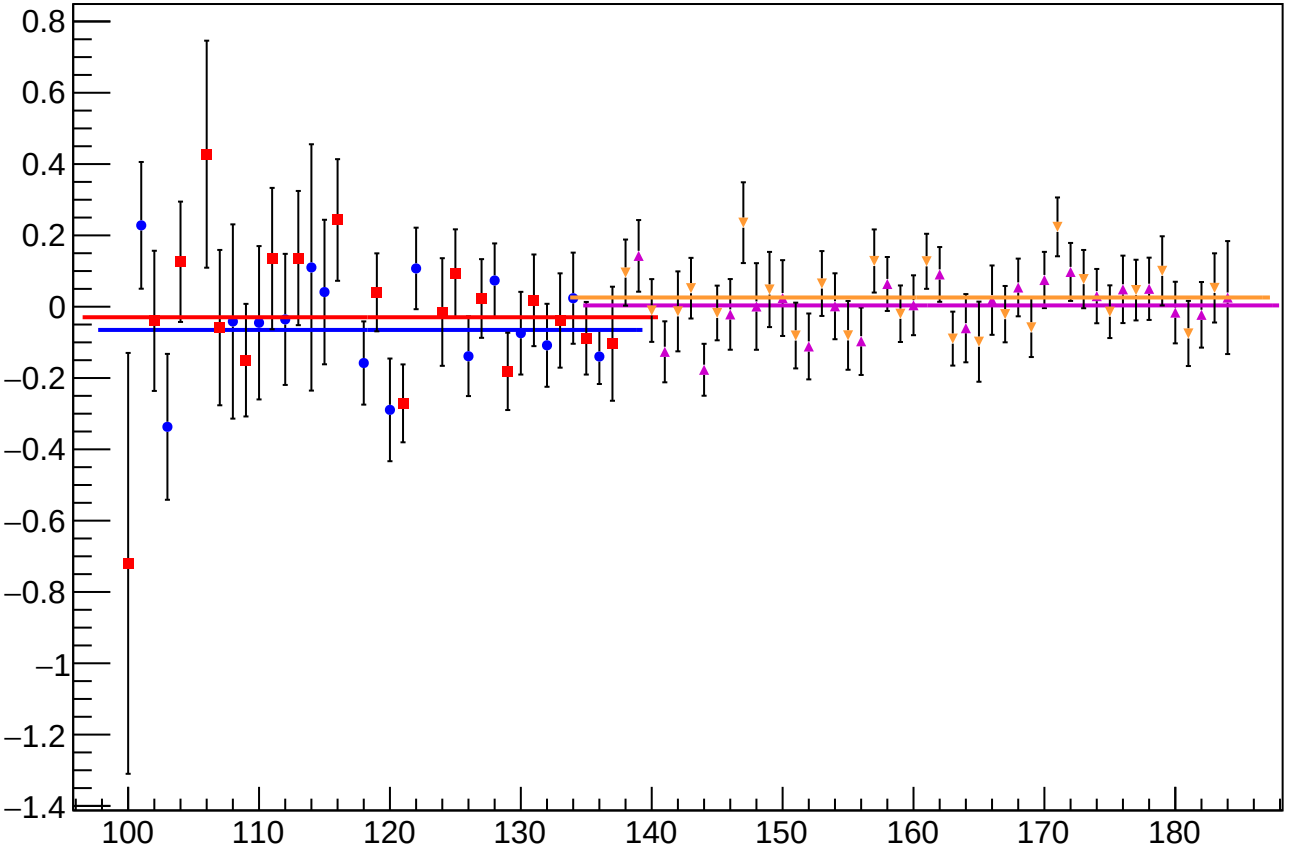
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.352+/-0.011 χ^2/NDF:1606712.2/38

Out: 79.668+/-0.011 χ^2/NDF:1503584.2/42

All: 80.000+/-0.008 χ^2/NDF: 3112125.5/81

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: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.015+/-0.013 χ^2/NDF: 43.8/46

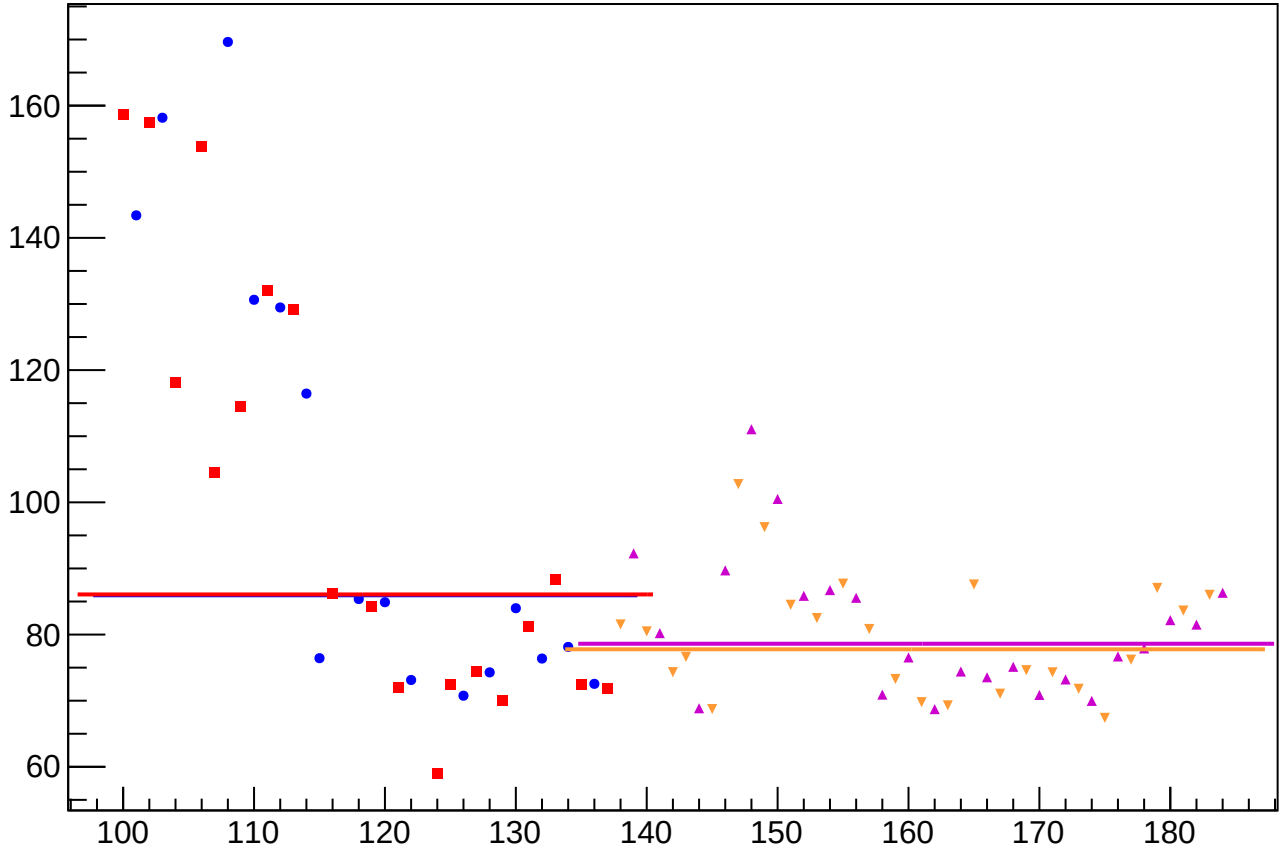
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.016 χ^2/NDF:36.3/38

Out: 0.013+/-0.016 χ^2/NDF:44.5/42

All: 0.001+/-0.011 χ^2/NDF: 82.0/81

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: 78.614+/-0.013 χ^2/NDF:497846.3/22

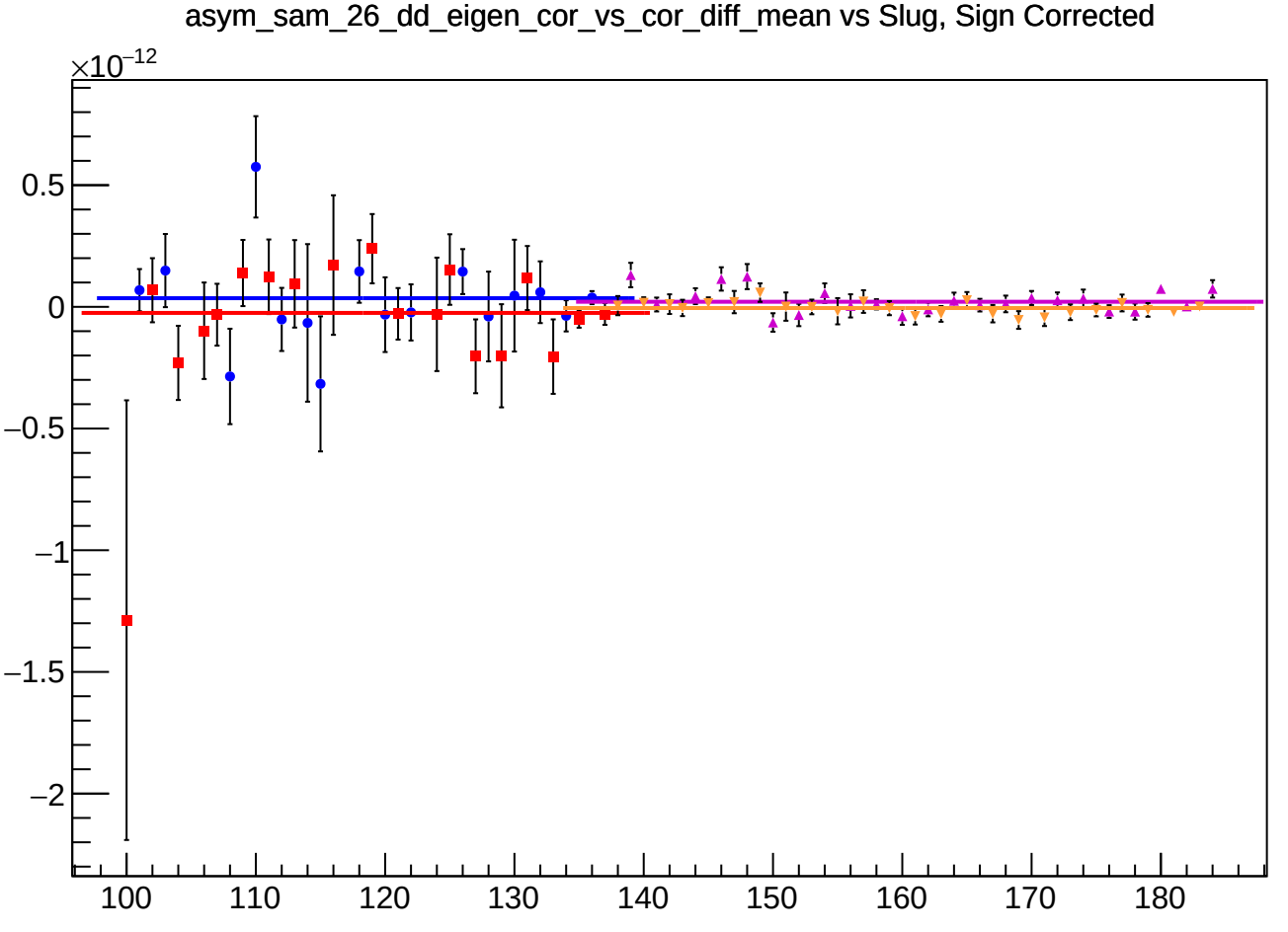
Left: 78.179+/-0.009 χ^2/NDF: 914396.2/46

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.352+/-0.011 χ^2/NDF:1606712.2/38

Out: 79.668+/-0.011 χ^2/NDF:1503584.2/42

All: 80.000+/-0.008 χ^2/NDF: 3112125.5/81



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:40.1/22

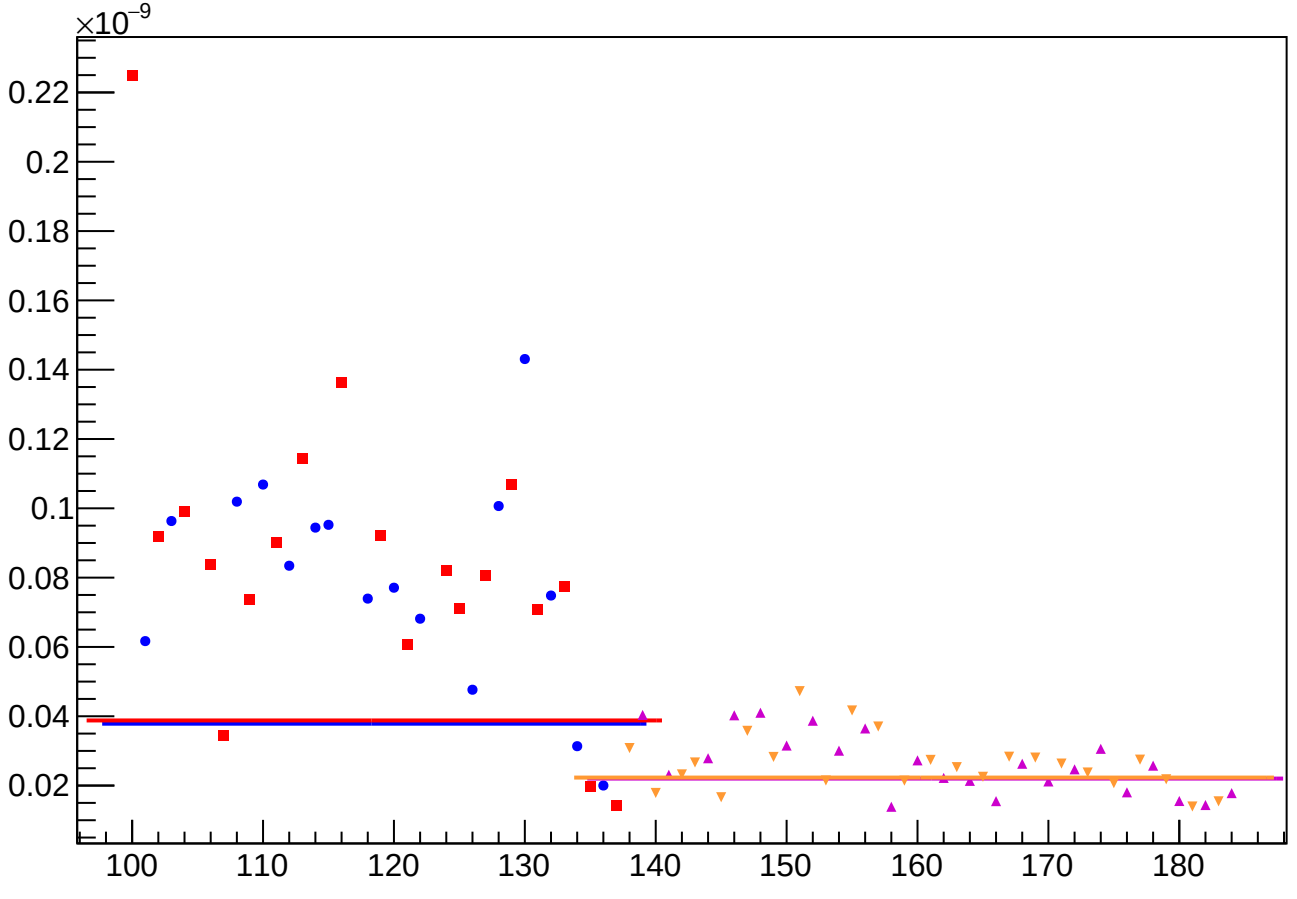
Left: 0.000+/-0.000 χ^2/NDF: 61.2/46

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:56.9/38

Out: -0.000+/-0.000 χ^2/NDF:31.5/42

All: 0.000+/-0.000 χ^2/NDF: 99.4/81



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:2802318.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5094883.0/46

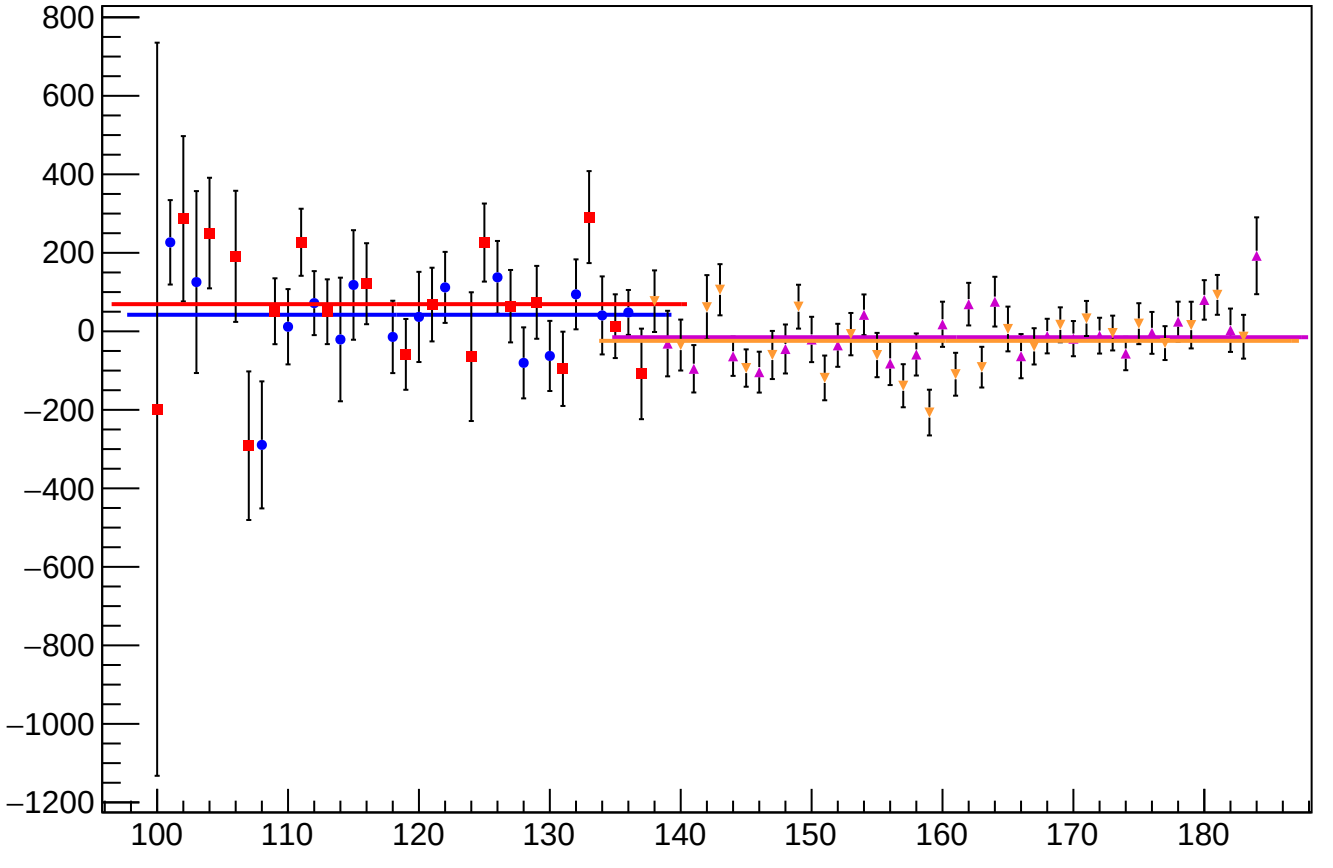
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:7335000.4/38

Out: 0.000+/-0.000 χ^2/NDF:7435584.0/42

All: 0.000+/-0.000 χ^2/NDF: 14770935.1/81

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: -14.994+/-11.218 χ^2/NDF:24.7/22

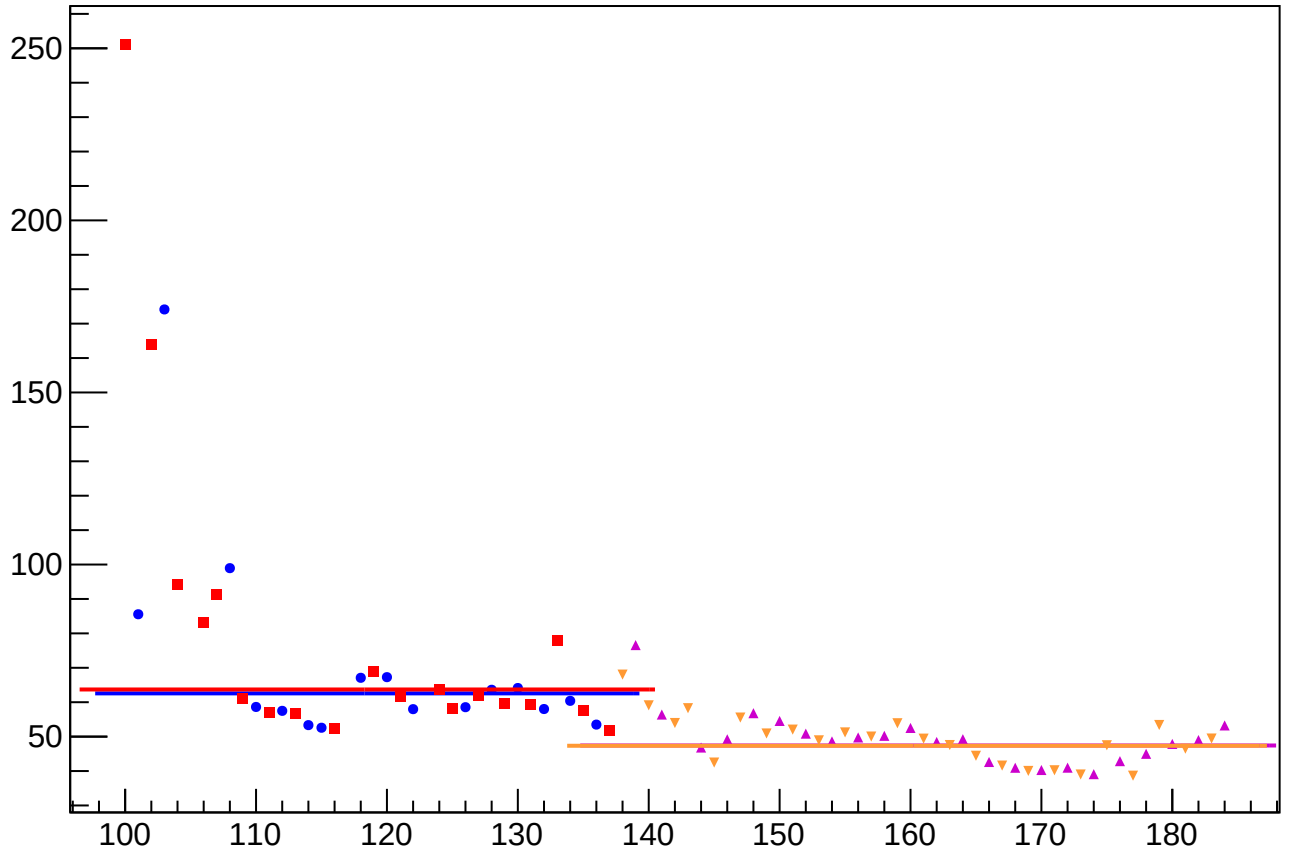
Left: -19.697+/-7.846 χ^2/NDF: 67.9/46

Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -4.879+/-10.178 χ^2/NDF:42.9/38

Out: -8.490+/-10.012 χ^2/NDF:80.3/42

All: -6.714+/-7.137 χ^2/NDF: 123.3/81



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: 47.425+/-0.008 χ^2/NDF:655736.9/22

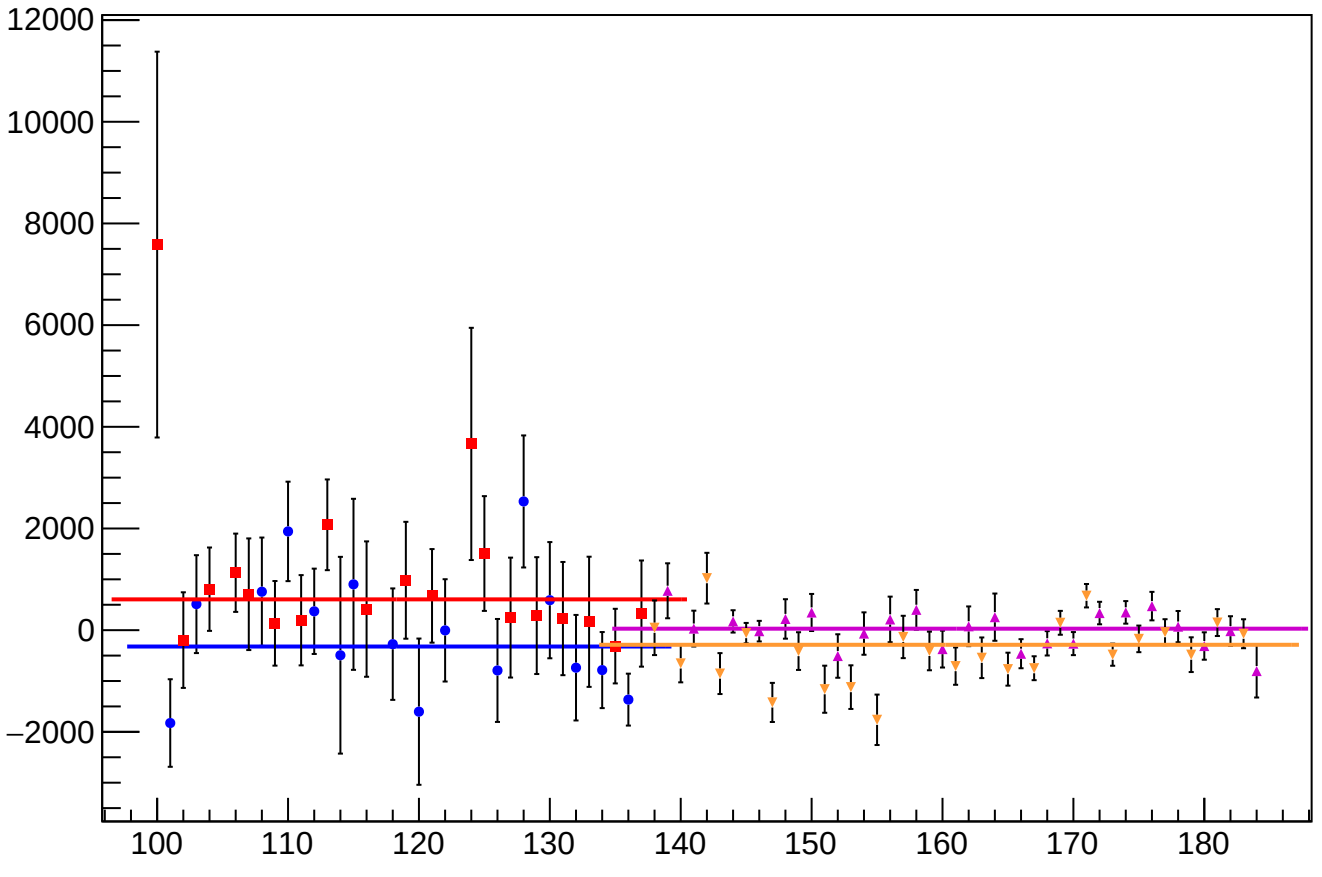
Left: 47.384+/-0.006 χ^2/NDF: 1369106.3/46

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 50.102+/-0.007 χ^2/NDF:2058421.7/38

Out: 50.095+/-0.007 χ^2/NDF:2293775.7/42

All: 50.098+/-0.005 χ^2/NDF: 4352198.0/81



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: 29.200+/-62.671 χ^2/NDF:24.4/22

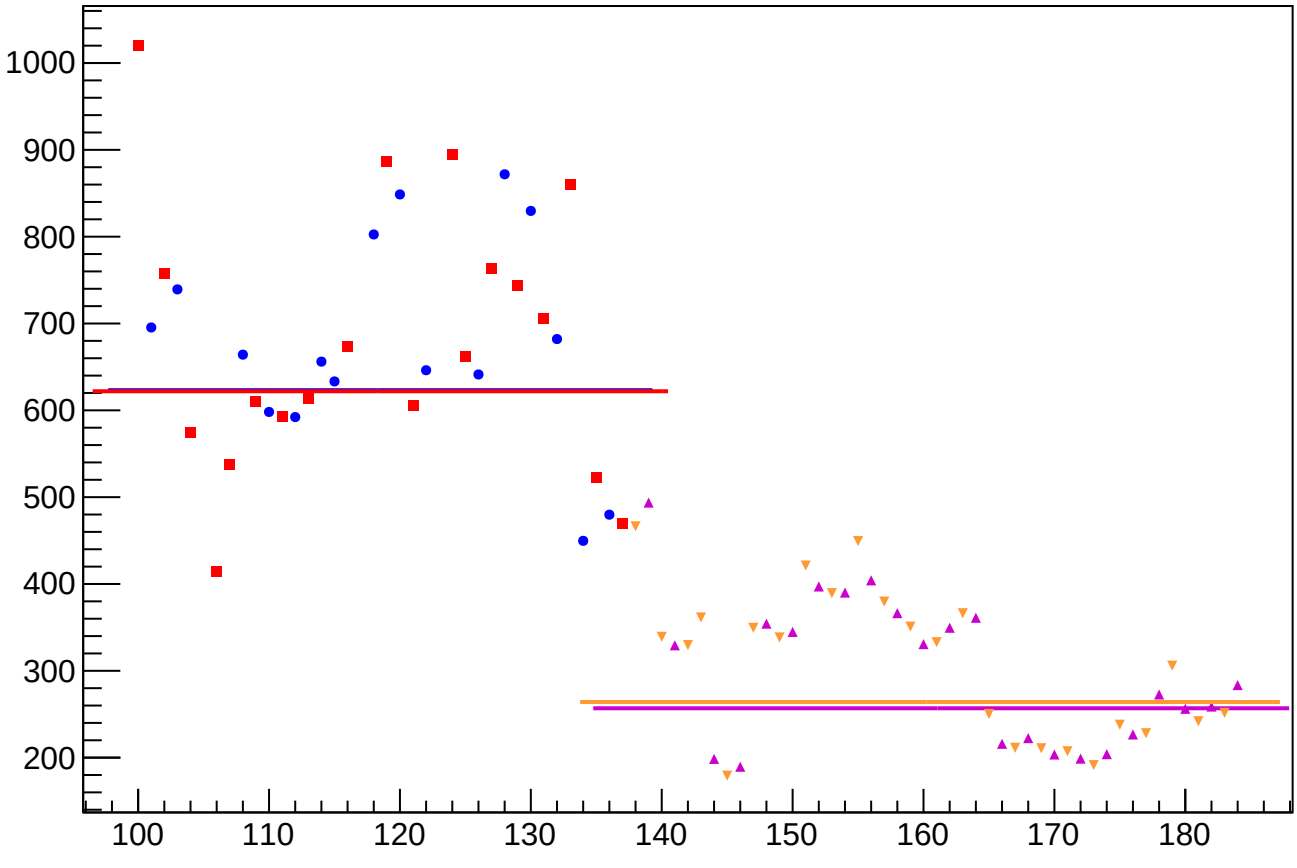
Left: -128.093+/-44.466 χ^2/NDF: 108.1/46

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 6.536+/-60.613 χ^2/NDF:49.1/38

Out: -226.814+/-60.917 χ^2/NDF:97.1/42

All: -109.555+/-42.967 χ^2/NDF: 153.6/81



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: 256.842+/-0.044 χ^2/NDF:2639200.9/22

Left: 260.427+/-0.031 χ^2/NDF: 5505214.2/46

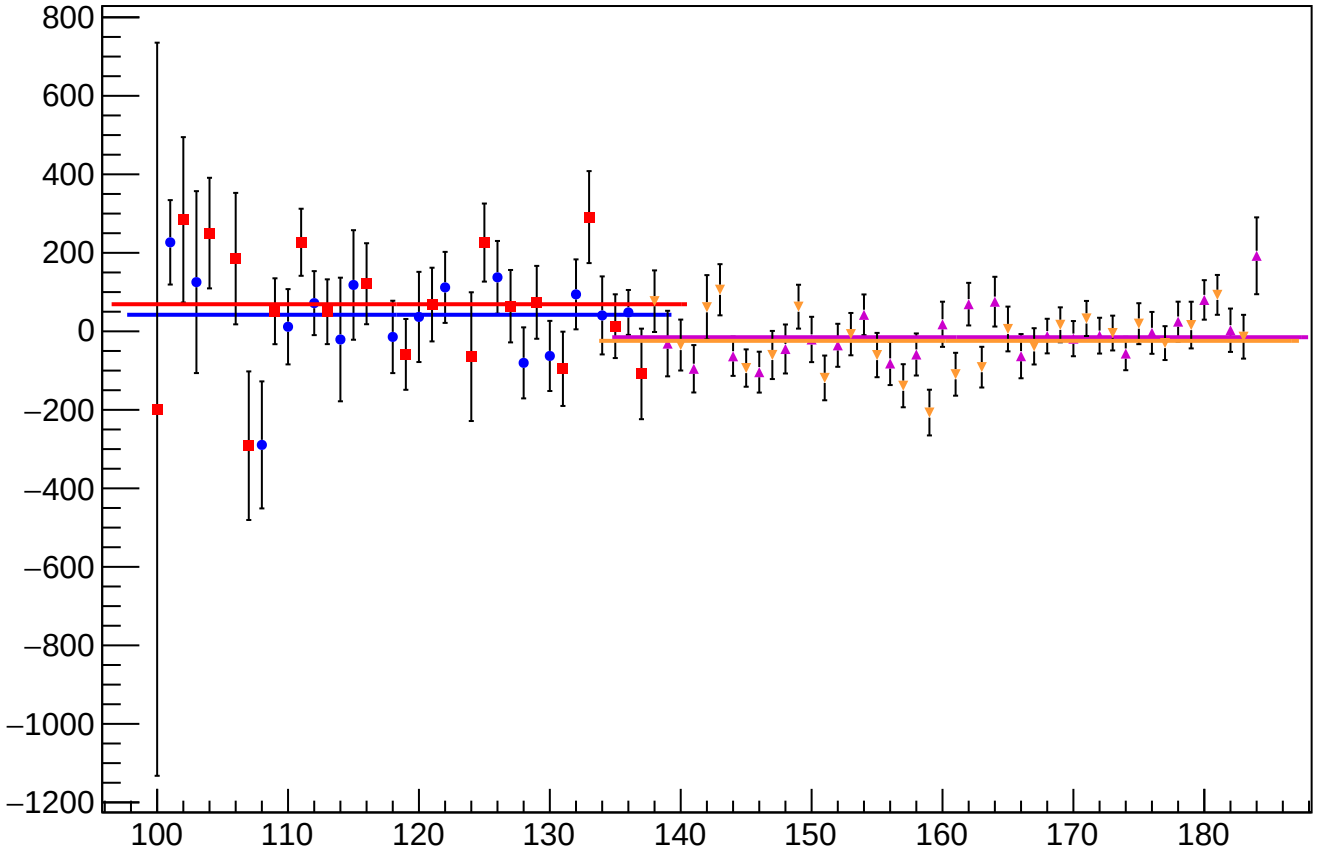
Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 280.507+/-0.043 χ^2/NDF:7619231.8/38

Out: 288.391+/-0.043 χ^2/NDF:7809719.7/42

All: 284.429+/-0.030 χ^2/NDF: 15445786.9/81

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: -14.992+/-11.218 χ^2/NDF:24.7/22

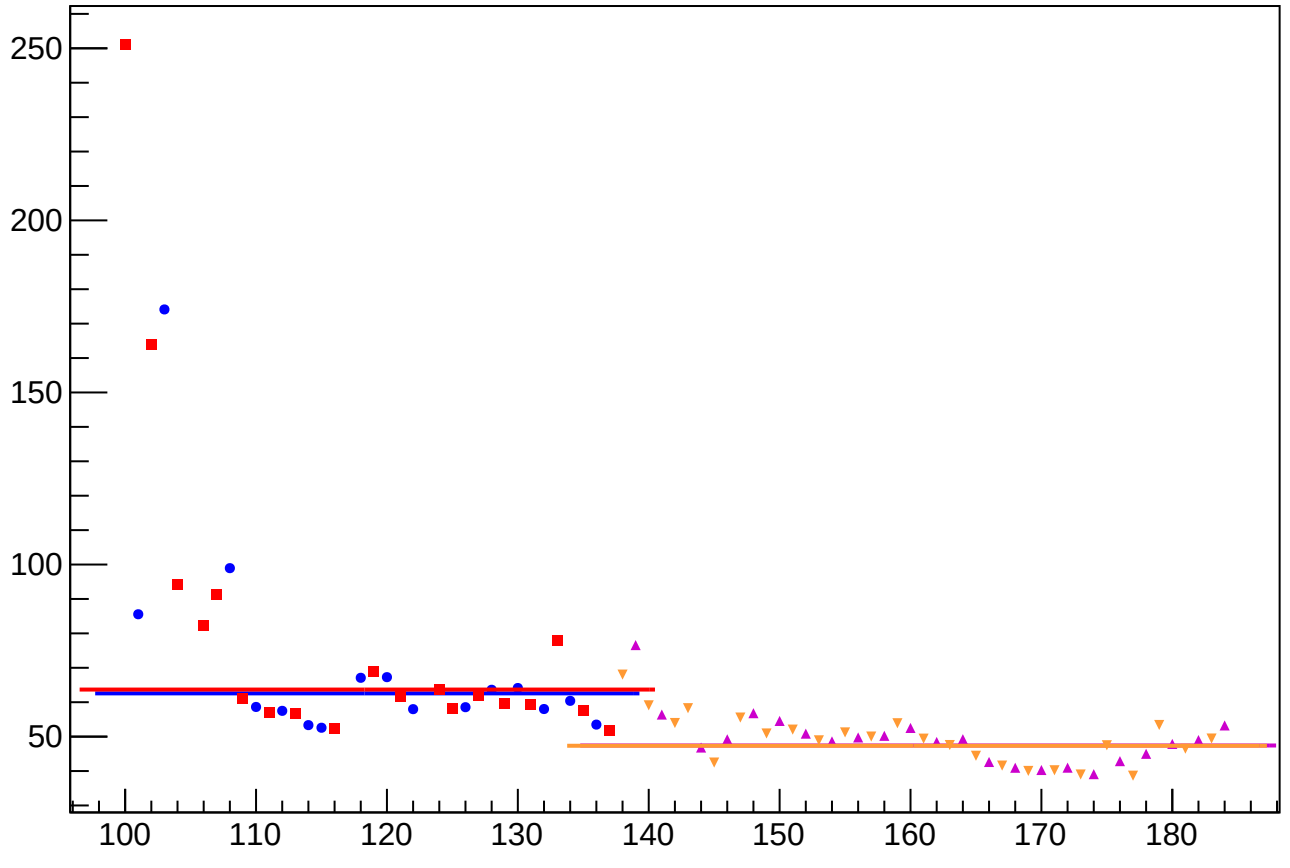
Left: -19.694+/-7.846 χ^2/NDF: 67.8/46

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -4.879+/-10.178 χ^2/NDF:42.9/38

Out: -8.519+/-10.012 χ^2/NDF:80.2/42

All: -6.729+/-7.138 χ^2/NDF: 123.1/81



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: 47.425+/-0.008 χ^2/NDF:655736.9/22

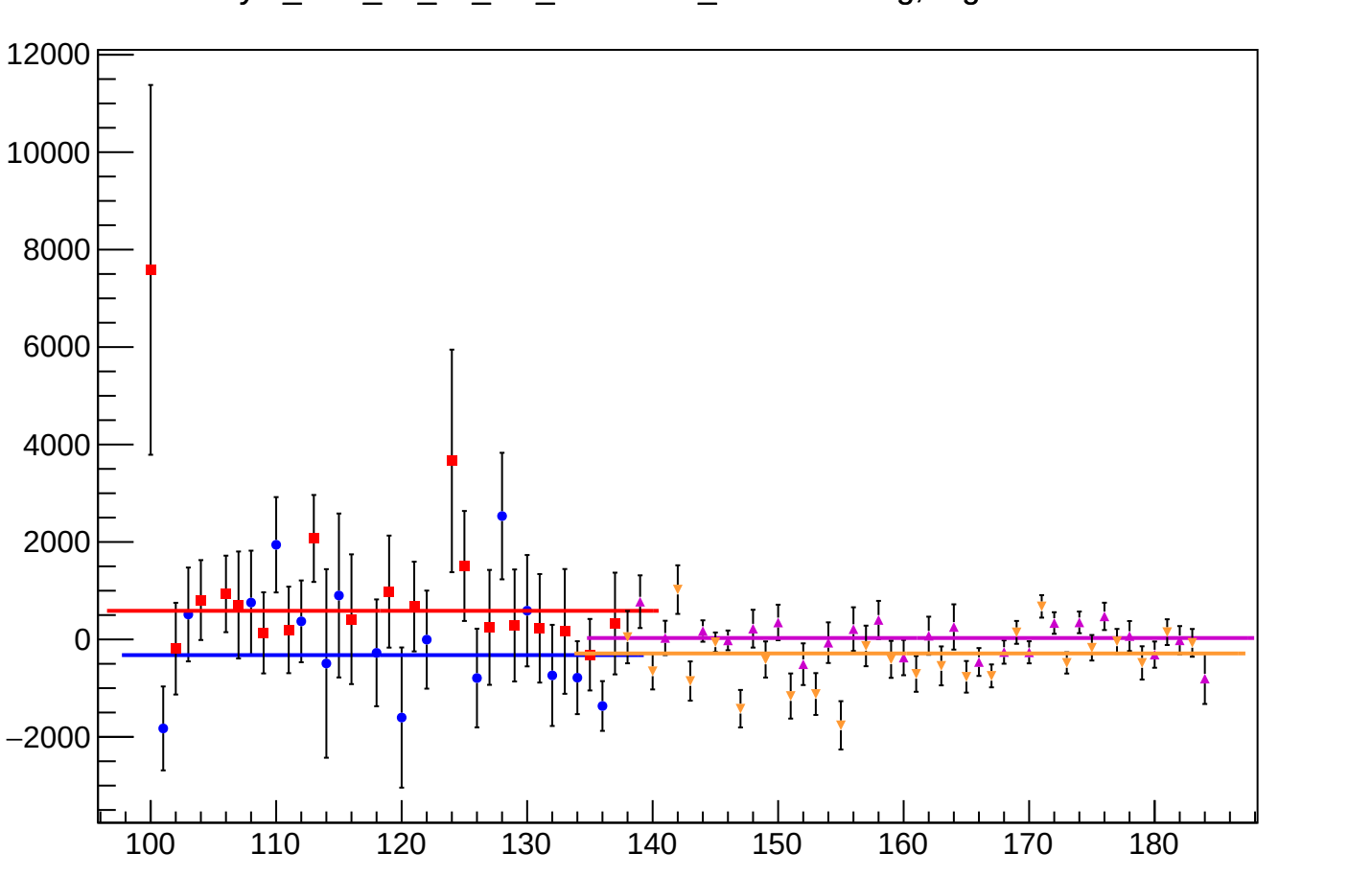
Left: 47.384+/-0.006 χ^2/NDF: 1369106.3/46

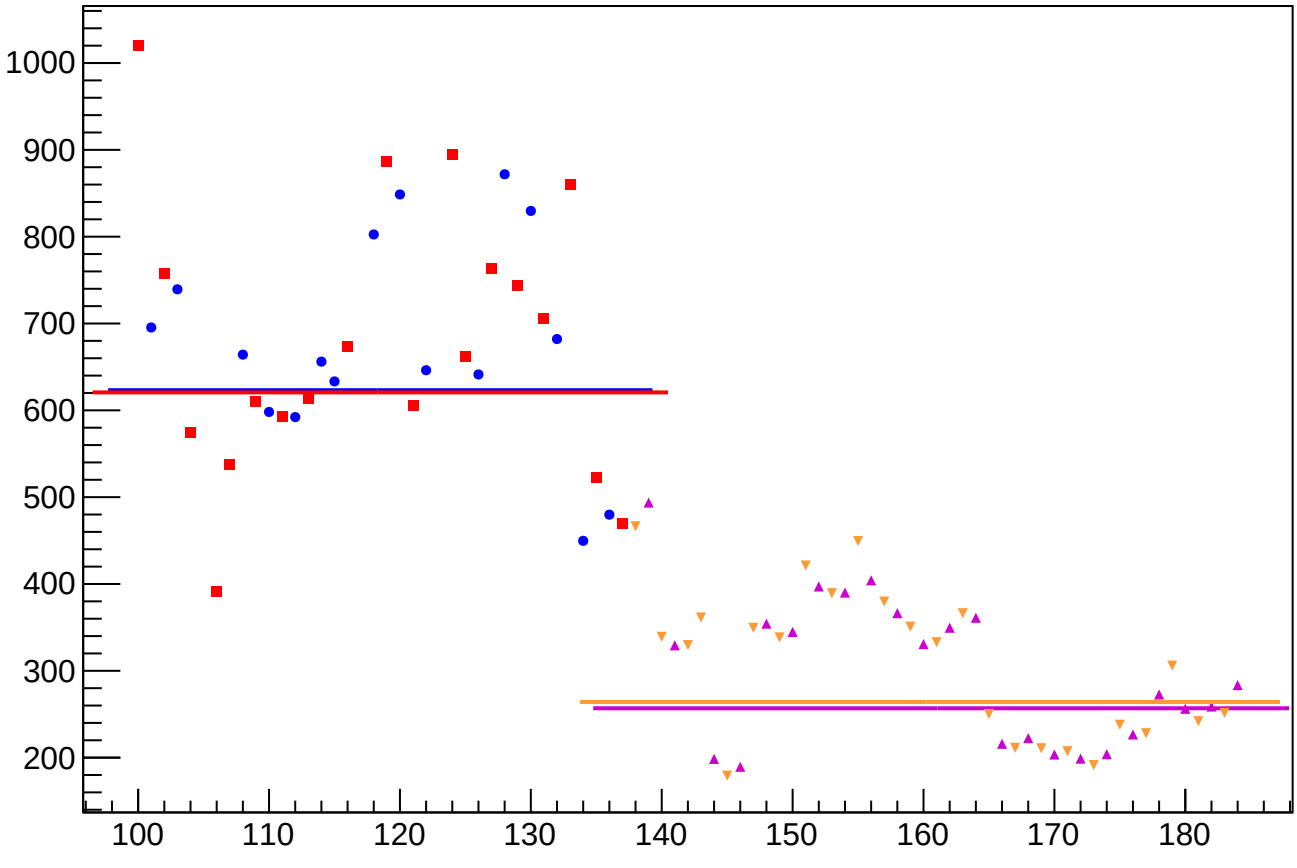
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.102+/-0.007 χ^2/NDF:2058423.5/38

Out: 50.090+/-0.007 χ^2/NDF:2288751.2/42

All: 50.096+/-0.005 χ^2/NDF: 4347176.0/81


asym_sam_37_dd_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: -321.660+/-238.484 χ²/NDF: 22.7/15
Left Out: -287.541+/-63.099 χ²/NDF:71.0/23
Right Out: 587.224+/-234.080 χ²/NDF: 12.2/18
Left In: 29.202+/-62.671 χ²/NDF:24.4/22
Left: -128.090+/-44.466 χ²/NDF: 108.1/46
Right: 141.251+/-167.055 χ²/NDF: 42.3/34
In: 6.538+/-60.613 χ²/NDF:49.1/38
Out: -228.283+/-60.925 χ²/NDF:96.2/42
All: -110.270+/-42.969 χ²/NDF: 152.8/81



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: 256.842+/-0.044 χ^2/NDF:2639196.2/22

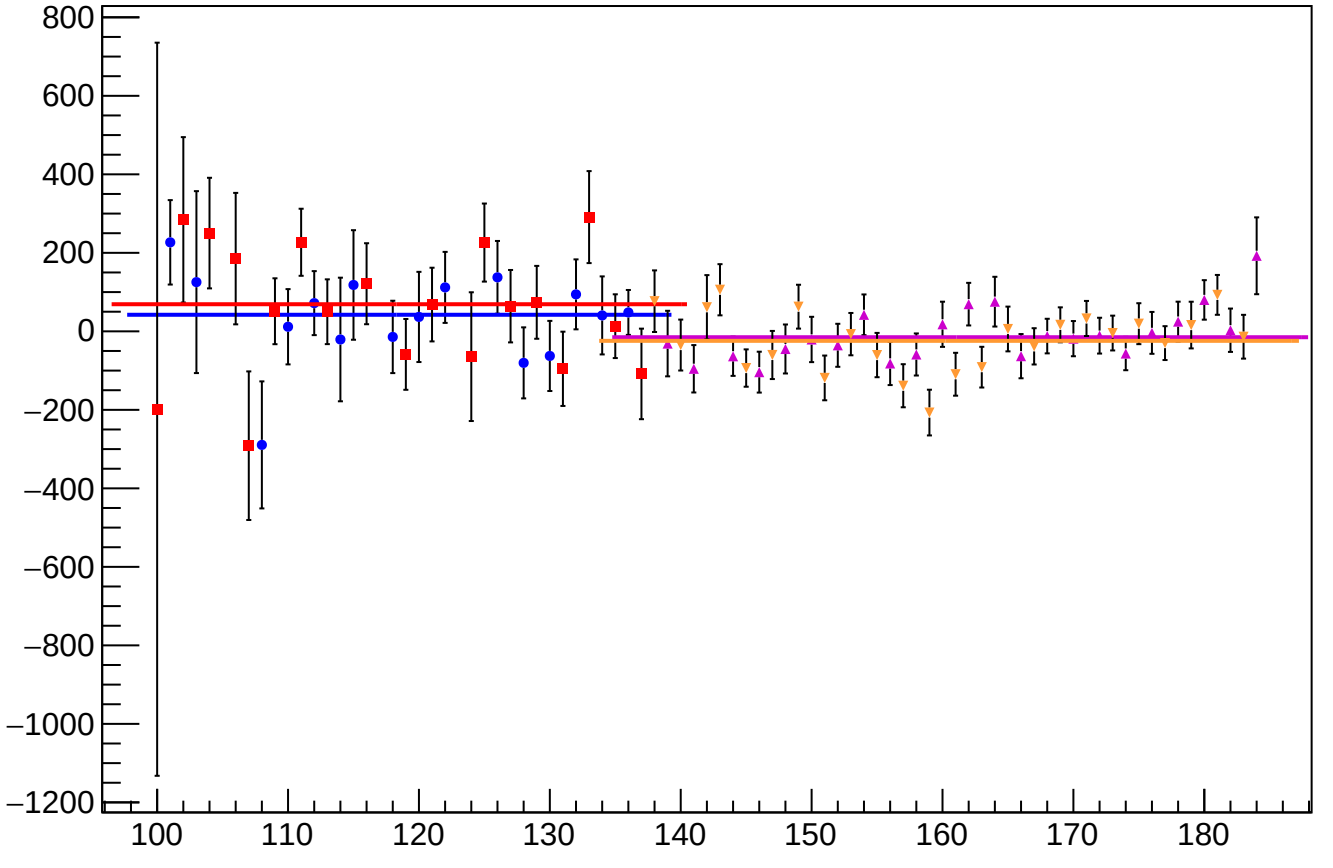
Left: 260.427+/-0.031 χ^2/NDF: 5505214.7/46

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 280.507+/-0.043 χ^2/NDF:7619275.8/38

Out: 288.218+/-0.043 χ^2/NDF:7790802.6/42

All: 284.343+/-0.030 χ^2/NDF: 15426181.6/81



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: -14.992+/-11.218 χ^2/NDF:24.7/22

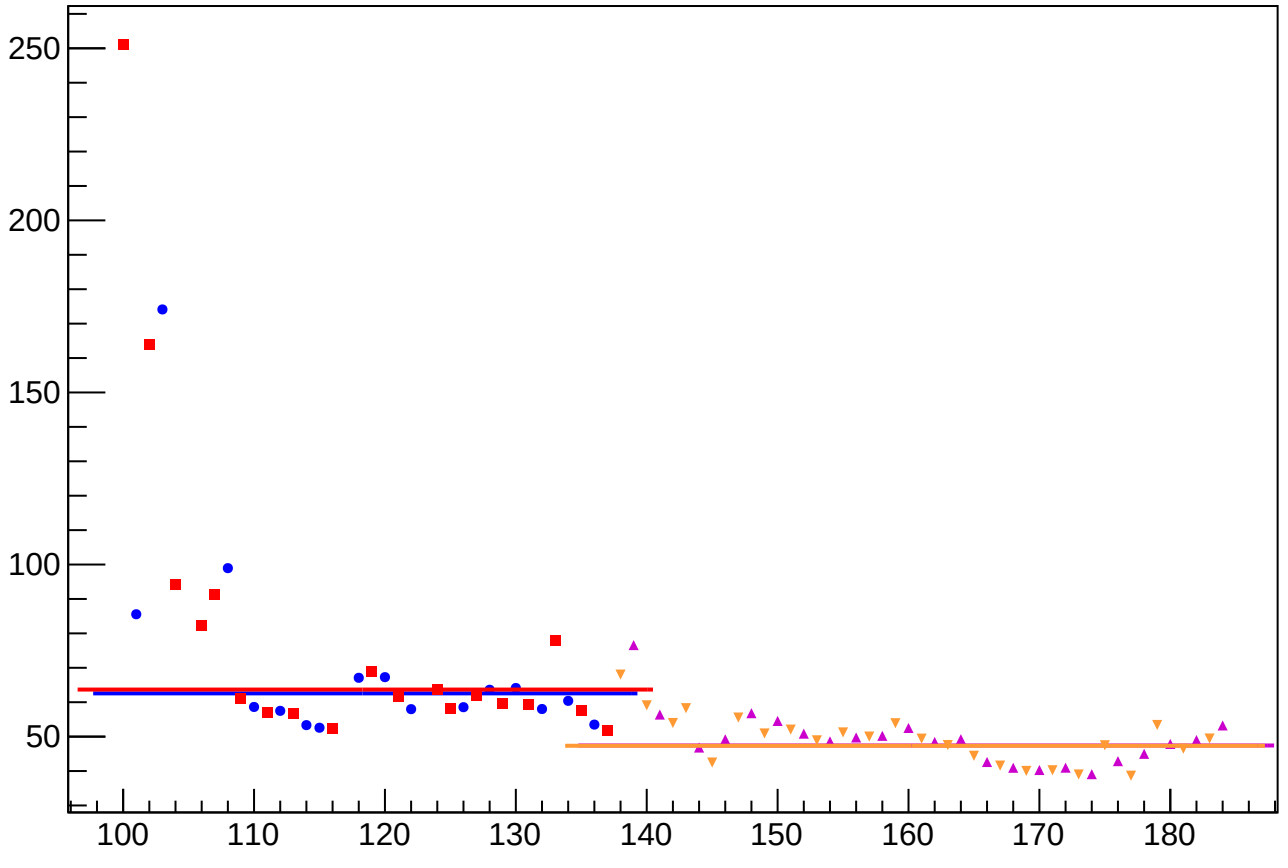
Left: -19.694+/-7.846 χ^2/NDF: 67.8/46

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -4.879+/-10.178 χ^2/NDF:42.9/38

Out: -8.519+/-10.012 χ^2/NDF:80.2/42

All: -6.729+/-7.138 χ^2/NDF: 123.1/81



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: 47.425+/-0.008 χ^2/NDF:655736.9/22

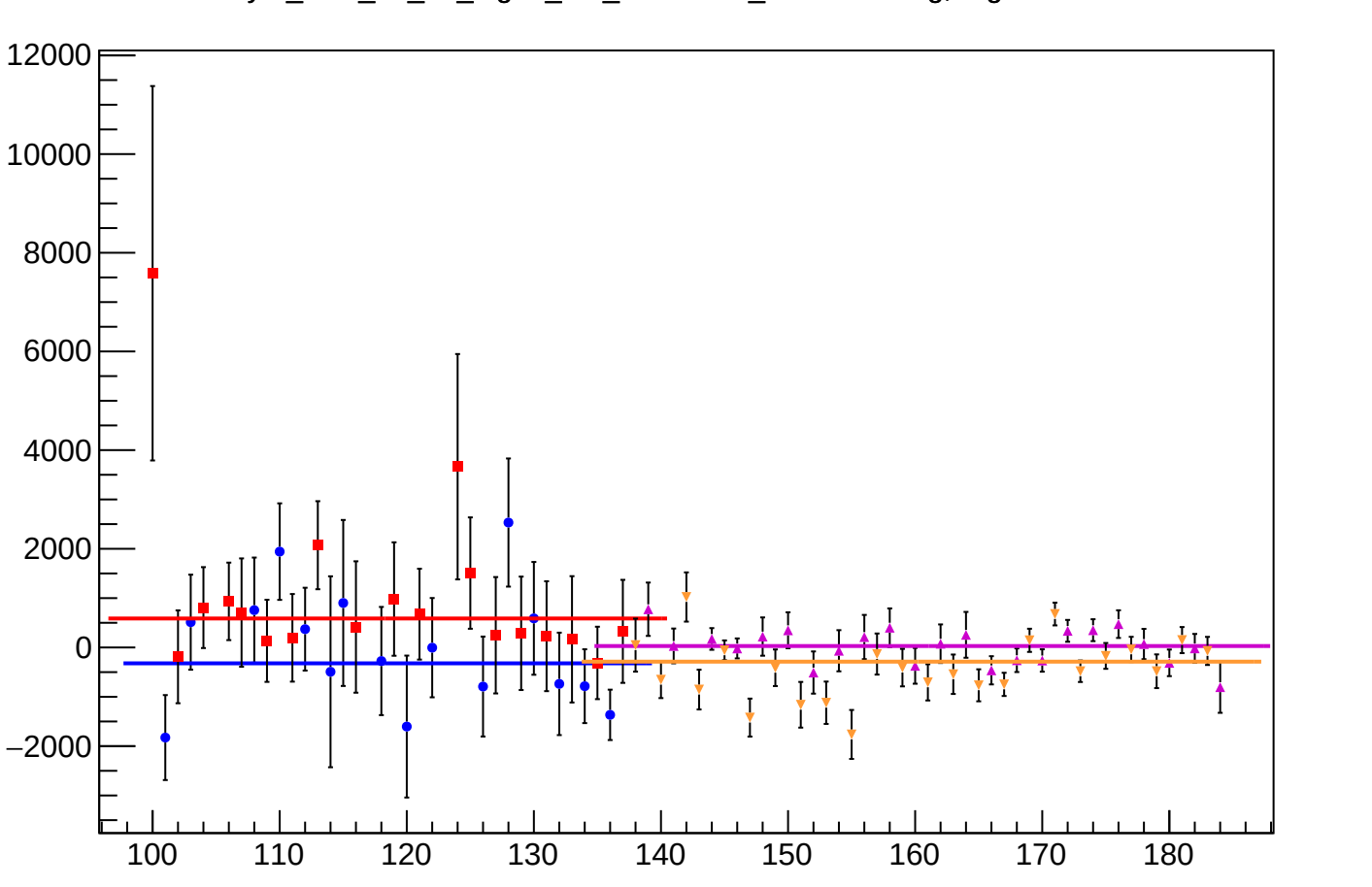
Left: 47.384+/-0.006 χ^2/NDF: 1369106.3/46

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.102+/-0.007 χ^2/NDF:2058423.5/38

Out: 50.090+/-0.007 χ^2/NDF:2288751.2/42

All: 50.096+/-0.005 χ^2/NDF: 4347176.0/81



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: 29.202+/-62.671 χ^2/NDF:24.4/22

Left: -128.090+/-44.466 χ^2/NDF: 108.1/46

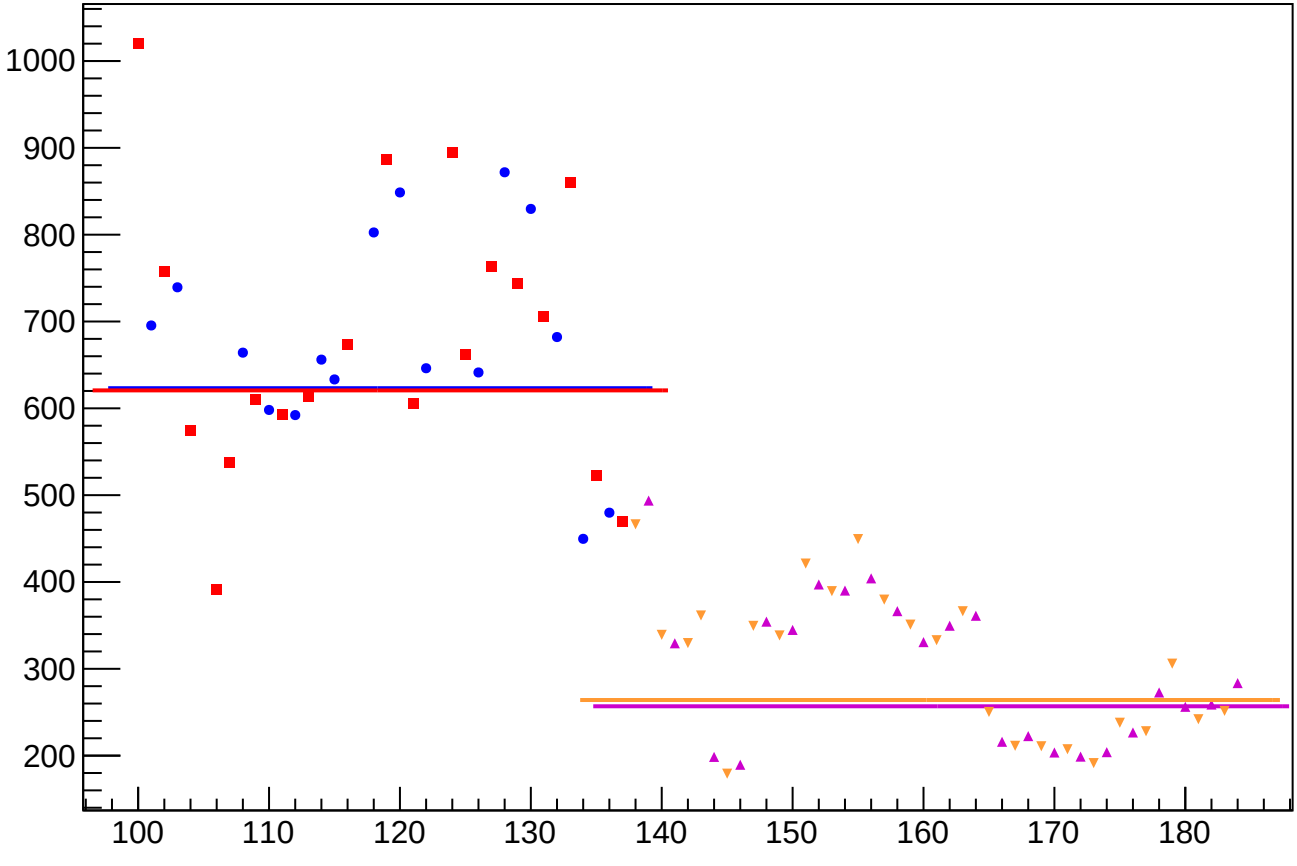
Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 6.538+/-60.613 χ^2/NDF:49.1/38

Out: -228.283+/-60.925 χ^2/NDF:96.2/42

All: -110.270+/-42.969 χ^2/NDF: 152.8/81

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 264.061+/-0.045 χ^2/NDF:2852842.7/23

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

Left: 260.427+/-0.031 χ^2/NDF: 5505214.7/46

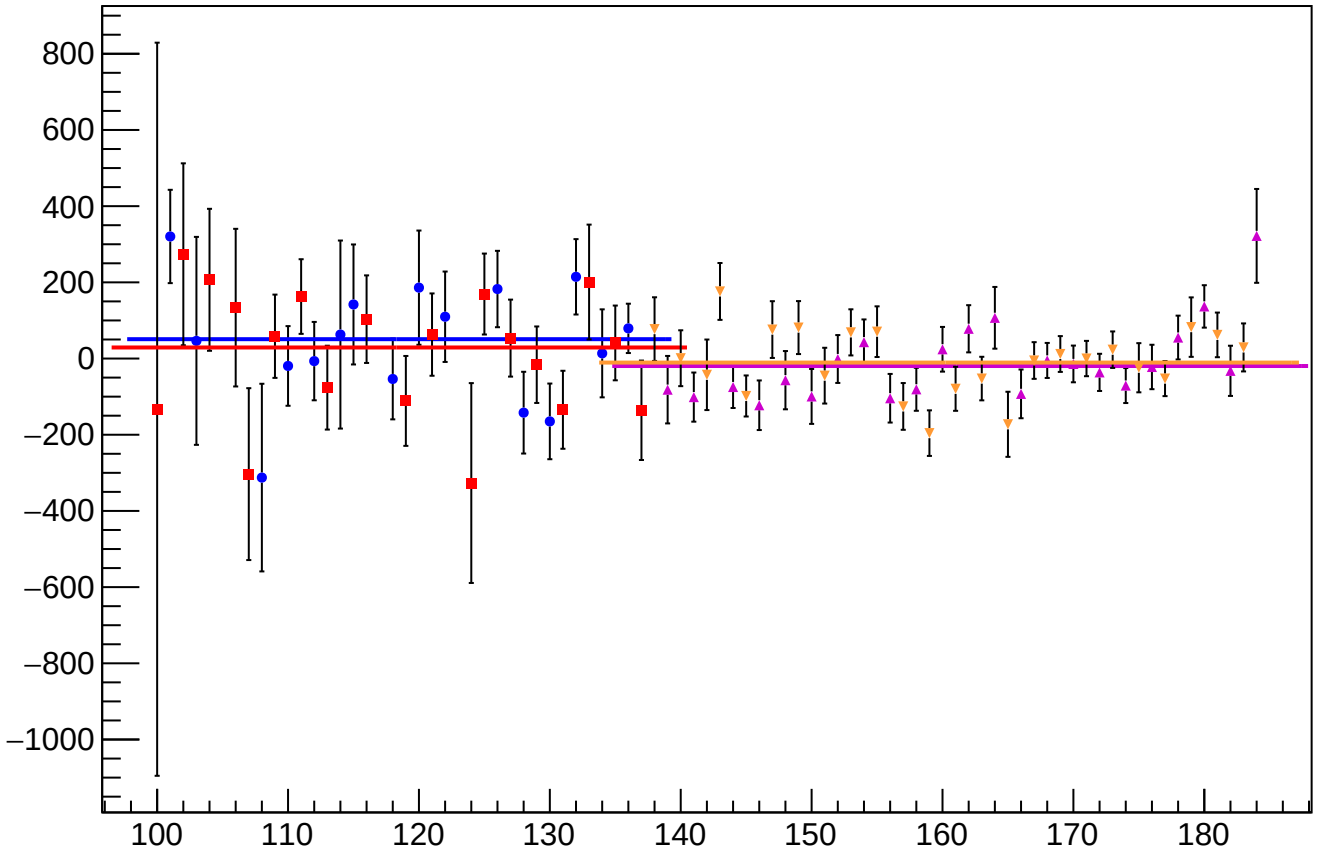
Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 280.507+/-0.043 χ^2/NDF:7619275.8/38

Out: 288.218+/-0.043 χ^2/NDF:7790802.6/42

All: 284.343+/-0.030 χ^2/NDF: 15426181.6/81

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -10.568+/-12.371 χ^2/NDF:40.4/23

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

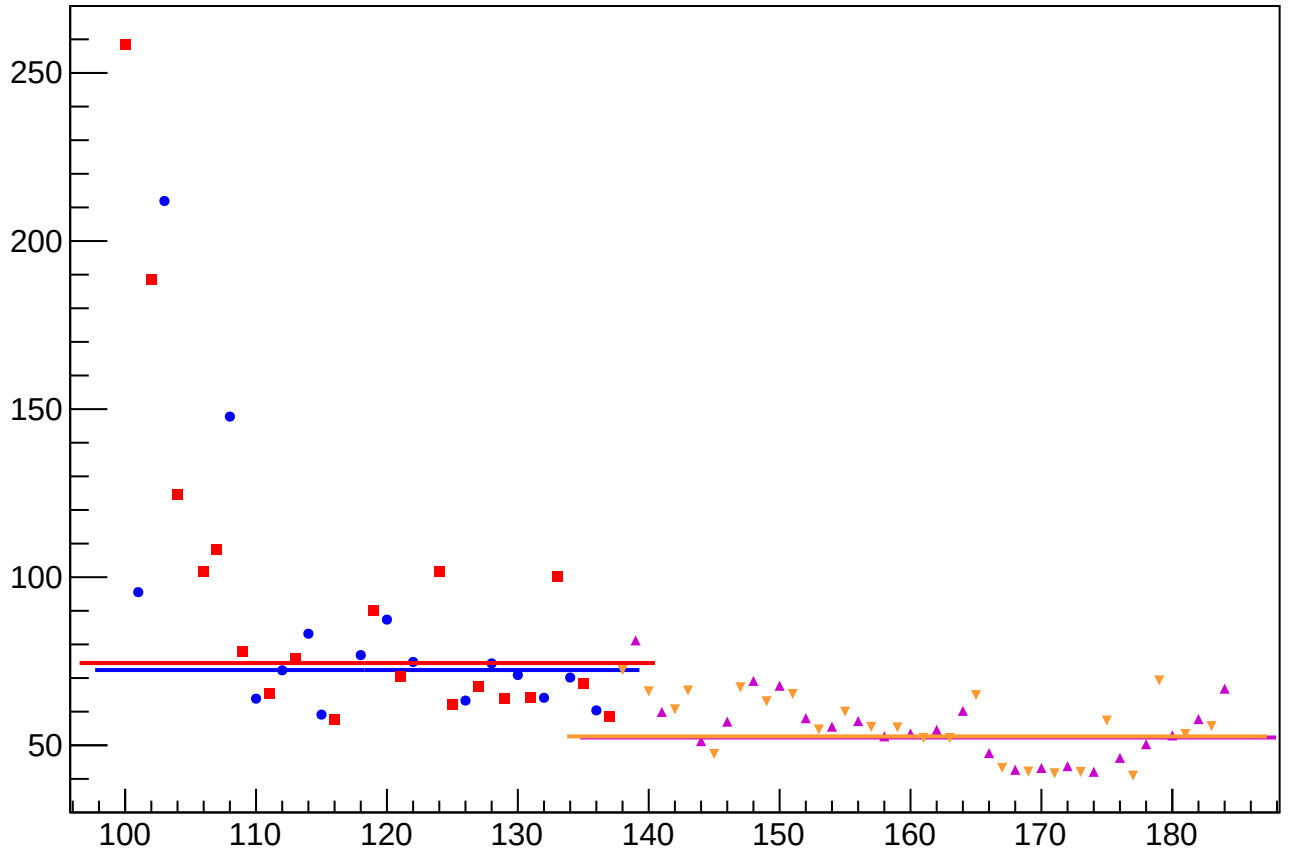
Left: -15.019+/-8.809 χ^2/NDF: 77.4/46

Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -8.039+/-11.470 χ^2/NDF:64.8/38

Out: -4.438+/-11.373 χ^2/NDF:60.5/42

All: -6.223+/-8.076 χ^2/NDF: 125.3/81



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: 52.314+/-0.009 χ^2/NDF:891847.5/22

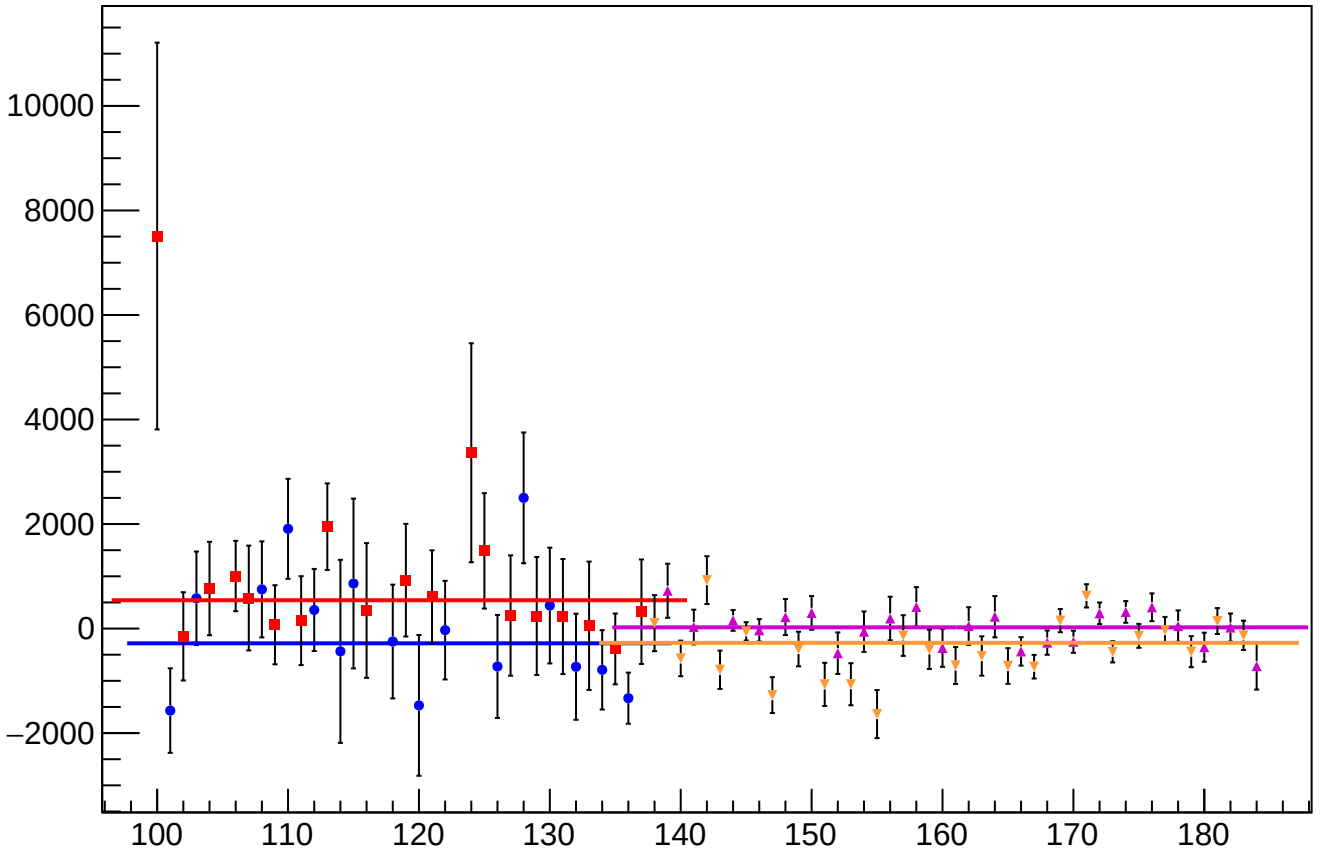
Left: 52.479+/-0.006 χ^2/NDF: 2049466.8/46

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 55.606+/-0.008 χ^2/NDF:2669394.8/38

Out: 56.018+/-0.008 χ^2/NDF:3172502.1/42

All: 55.814+/-0.006 χ^2/NDF: 5843197.0/81



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: 23.469+/-59.397 χ^2/NDF:24.2/22

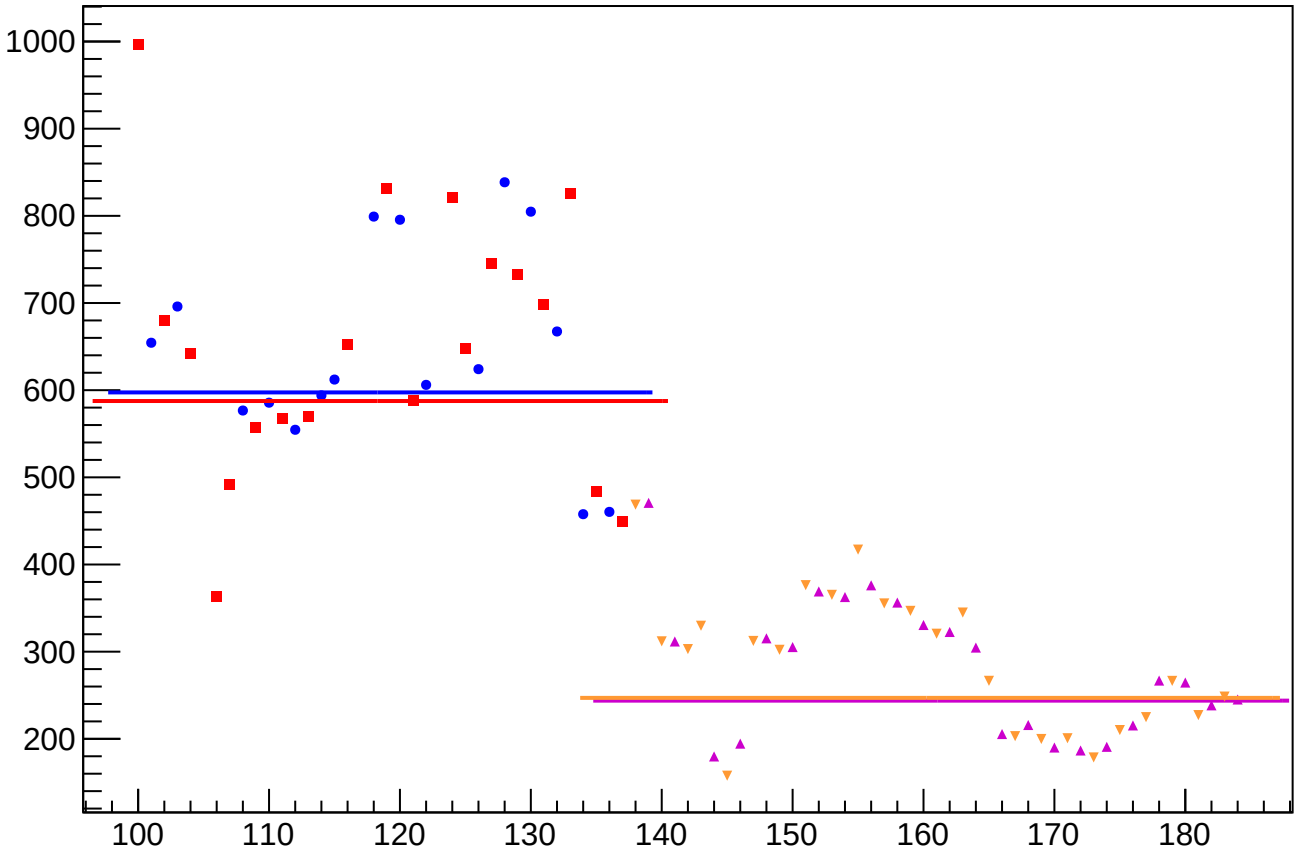
Left: -126.102+/-41.833 χ^2/NDF: 106.7/46

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 4.020+/-57.475 χ^2/NDF:48.7/38

Out: -219.157+/-56.937 χ^2/NDF:95.9/42

All: -108.617+/-40.449 χ^2/NDF: 152.2/81



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: 243.825+/-0.042 χ^2/NDF:2490545.8/22

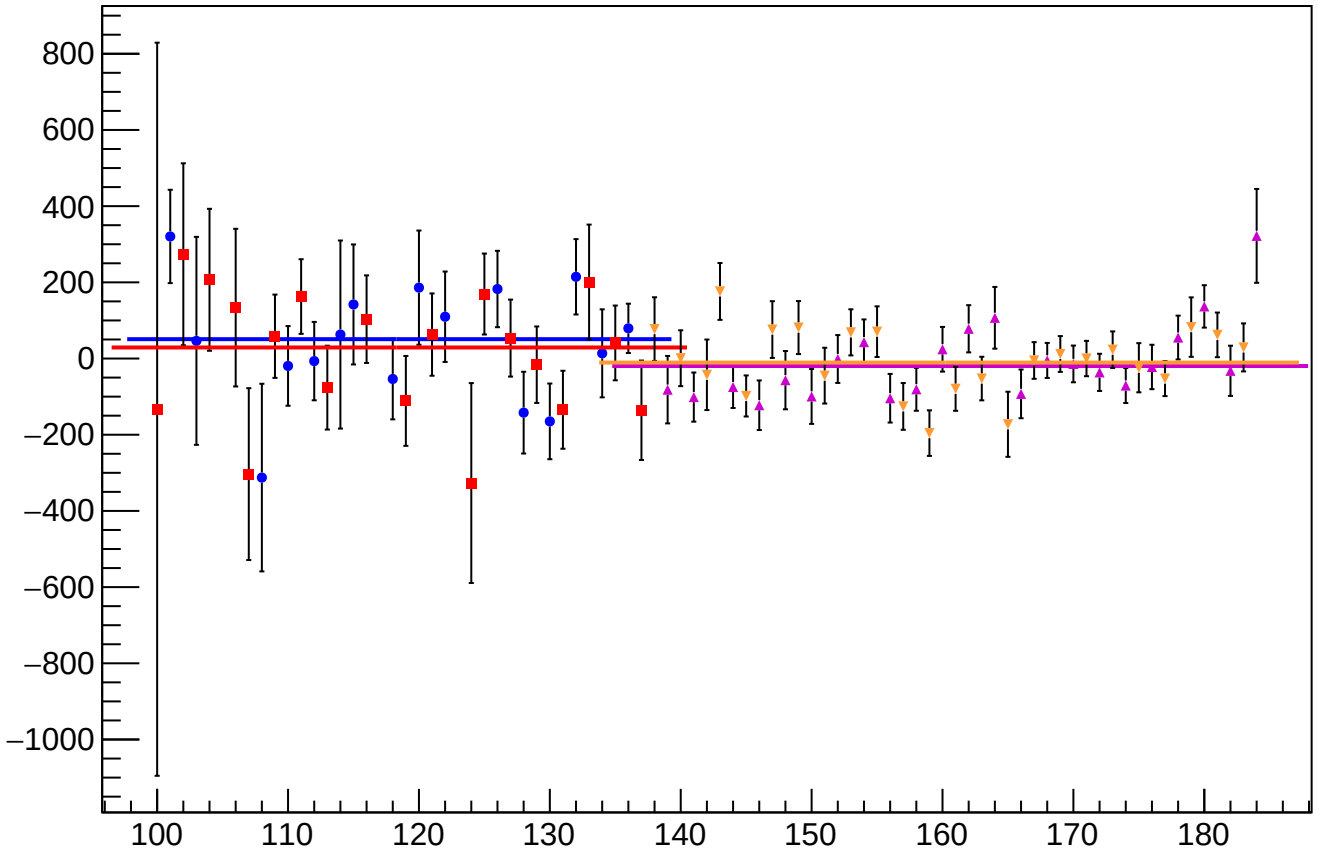
Left: 245.419+/-0.030 χ^2/NDF: 5419091.0/46

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 266.337+/-0.041 χ^2/NDF:7537200.7/38

Out: 269.613+/-0.040 χ^2/NDF:8052865.5/42

All: 267.990+/-0.029 χ^2/NDF: 15593344.5/81



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: -19.598+/-12.546 χ^2/NDF:36.8/22

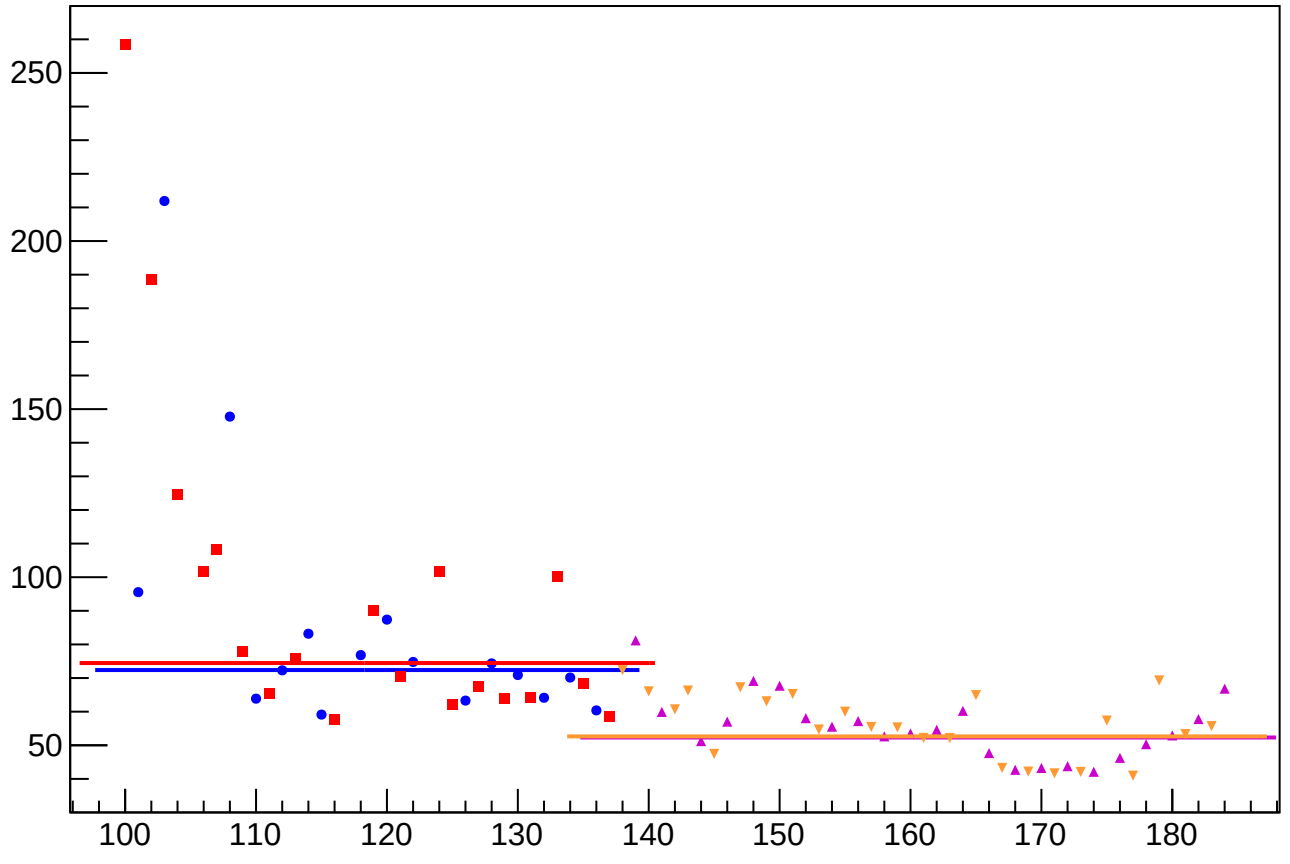
Left: -15.019+/-8.809 χ^2/NDF: 77.4/46

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -8.039+/-11.470 χ^2/NDF:64.8/38

Out: -4.437+/-11.373 χ^2/NDF:60.5/42

All: -6.223+/-8.076 χ^2/NDF: 125.3/81



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: 52.314+/-0.009 χ^2/NDF:891856.0/22

Left: 52.479+/-0.006 χ^2/NDF: 2049503.4/46

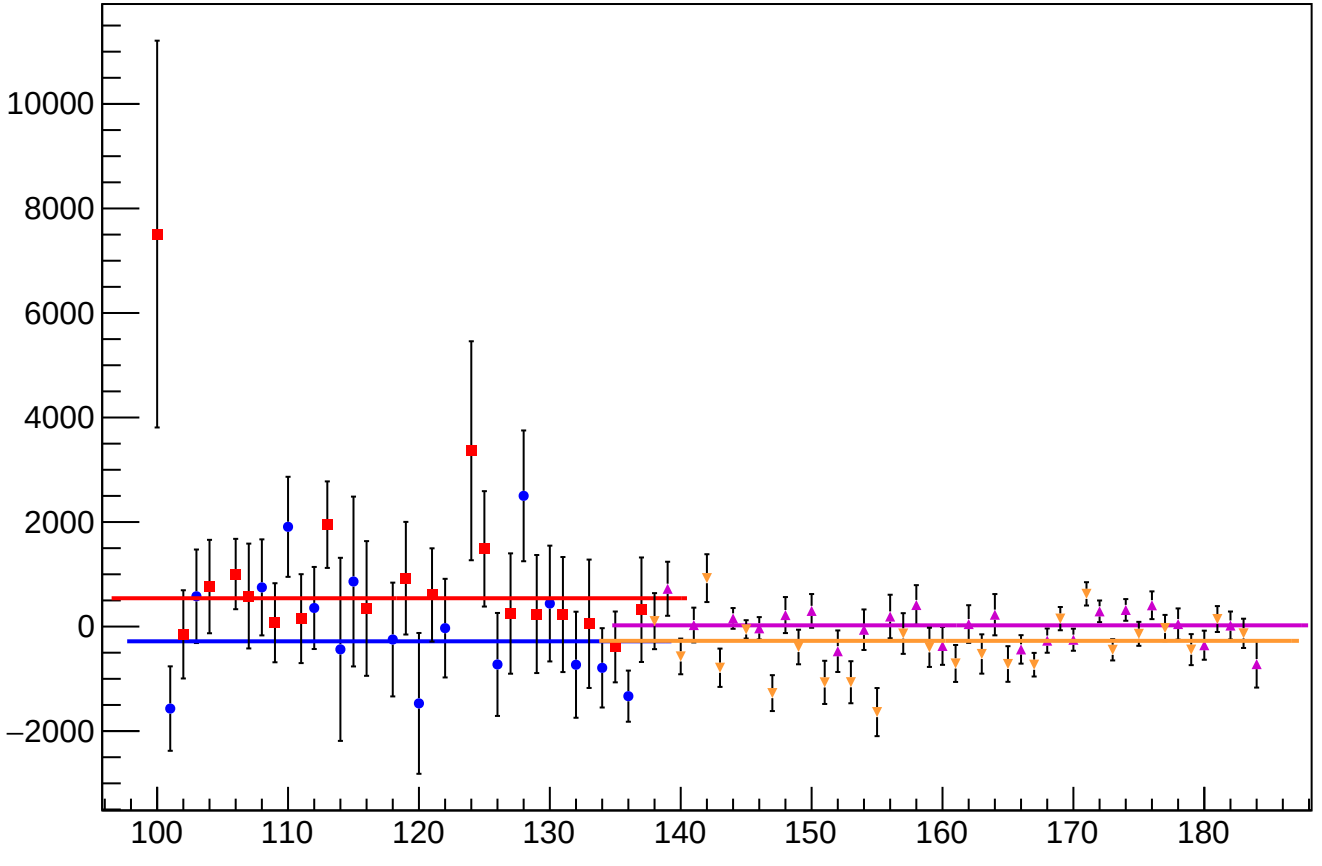
Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 55.606+/-0.008 χ^2/NDF:2669393.6/38

Out: 56.018+/-0.008 χ^2/NDF:3172512.9/42

All: 55.814+/-0.006 χ^2/NDF: 5843206.7/81

asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 23.469+/-59.397 χ^2/NDF:24.2/22

Left: -126.102+/-41.833 χ^2/NDF: 106.7/46

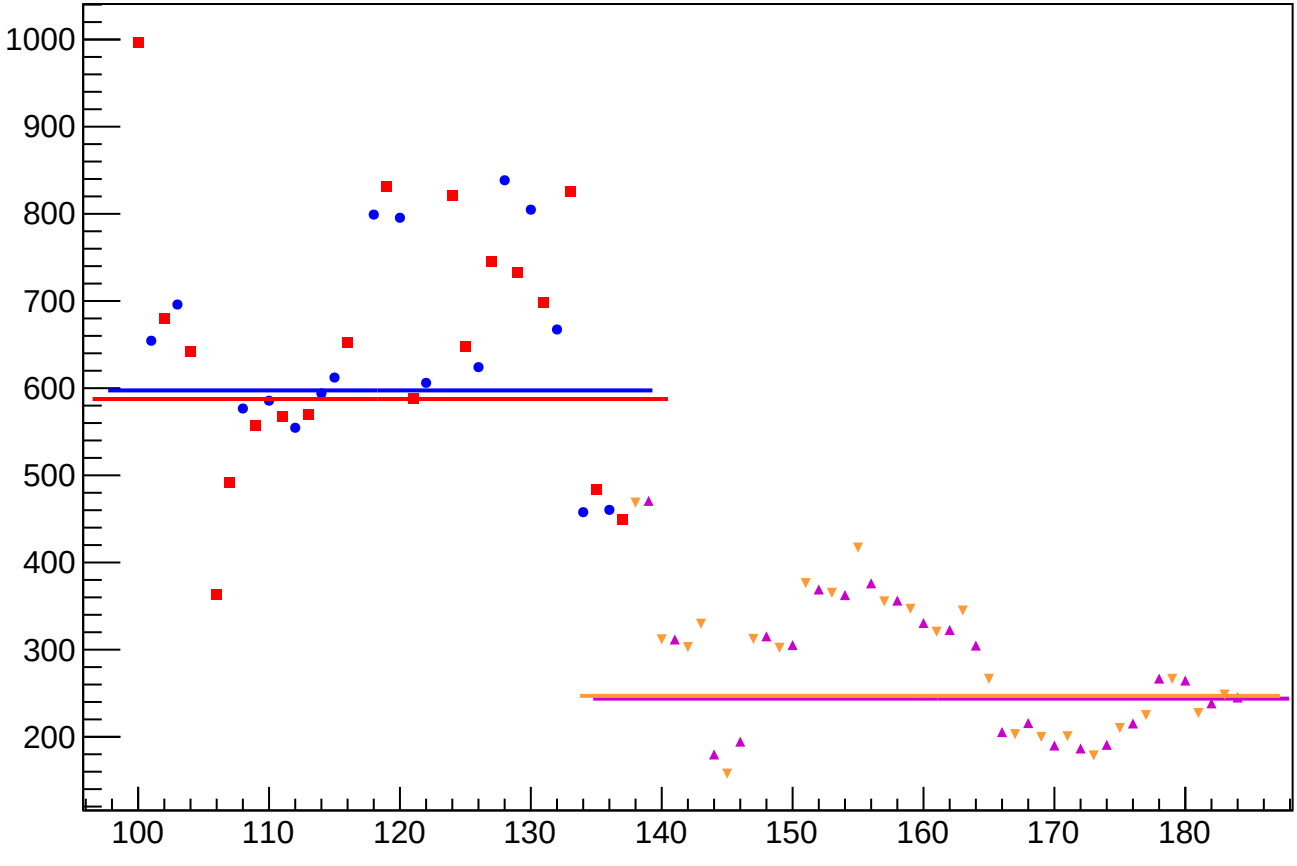
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 4.019+/-57.475 χ^2/NDF:48.7/38

Out: -219.157+/-56.937 χ^2/NDF:95.9/42

All: -108.618+/-40.449 χ^2/NDF: 152.2/81

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: 243.825+/-0.042 χ^2/NDF:2490539.0/22

Left: 245.418+/-0.030 χ^2/NDF: 5419072.9/46

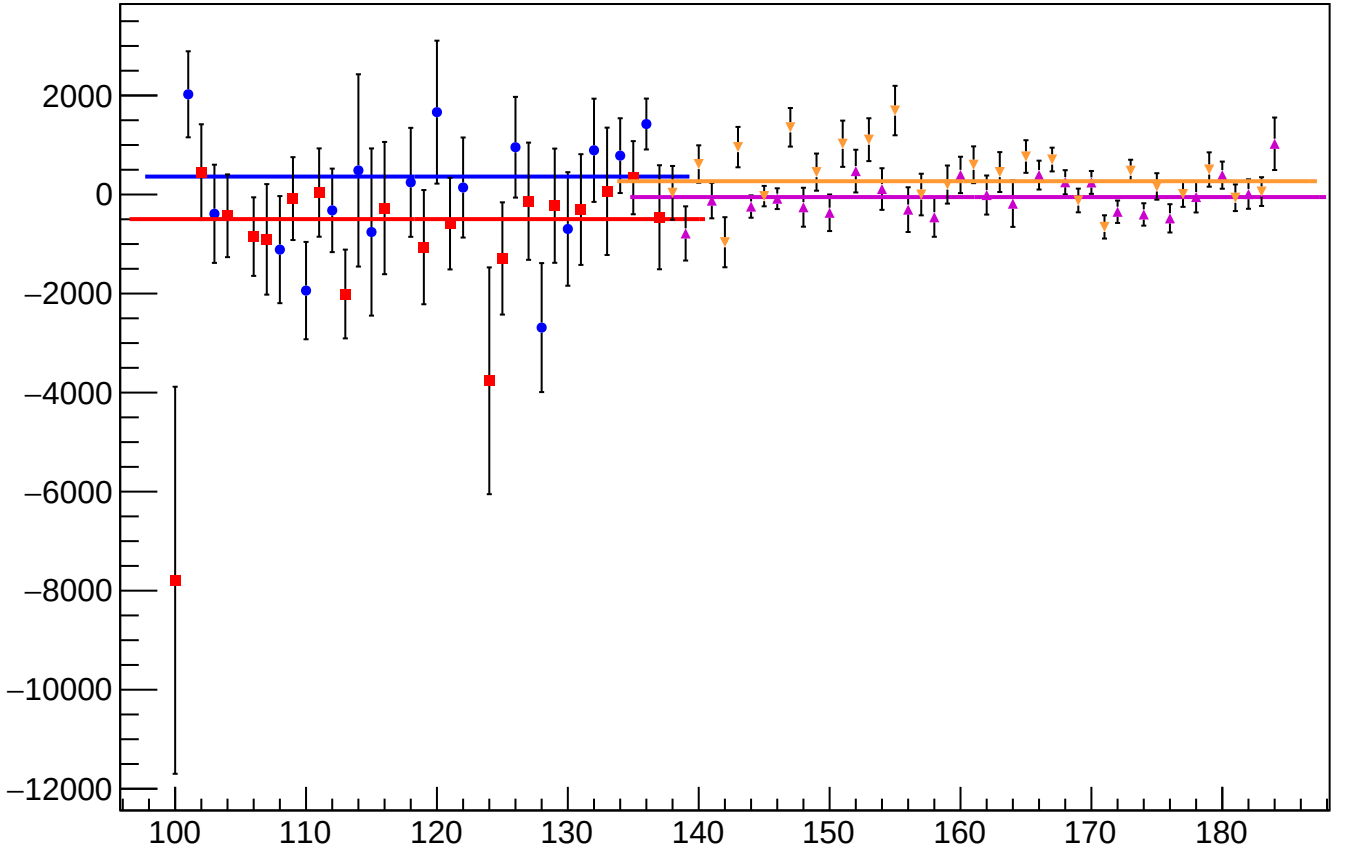
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 266.337+/-0.041 χ^2/NDF:7537201.5/38

Out: 269.613+/-0.040 χ^2/NDF:8052850.9/42

All: 267.990+/-0.029 χ^2/NDF: 15593330.9/81

asym_sam_37_dd_mean vs Slug, Sign Corrected



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: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 107.697+/-45.263 χ^2/NDF: 103.6/46

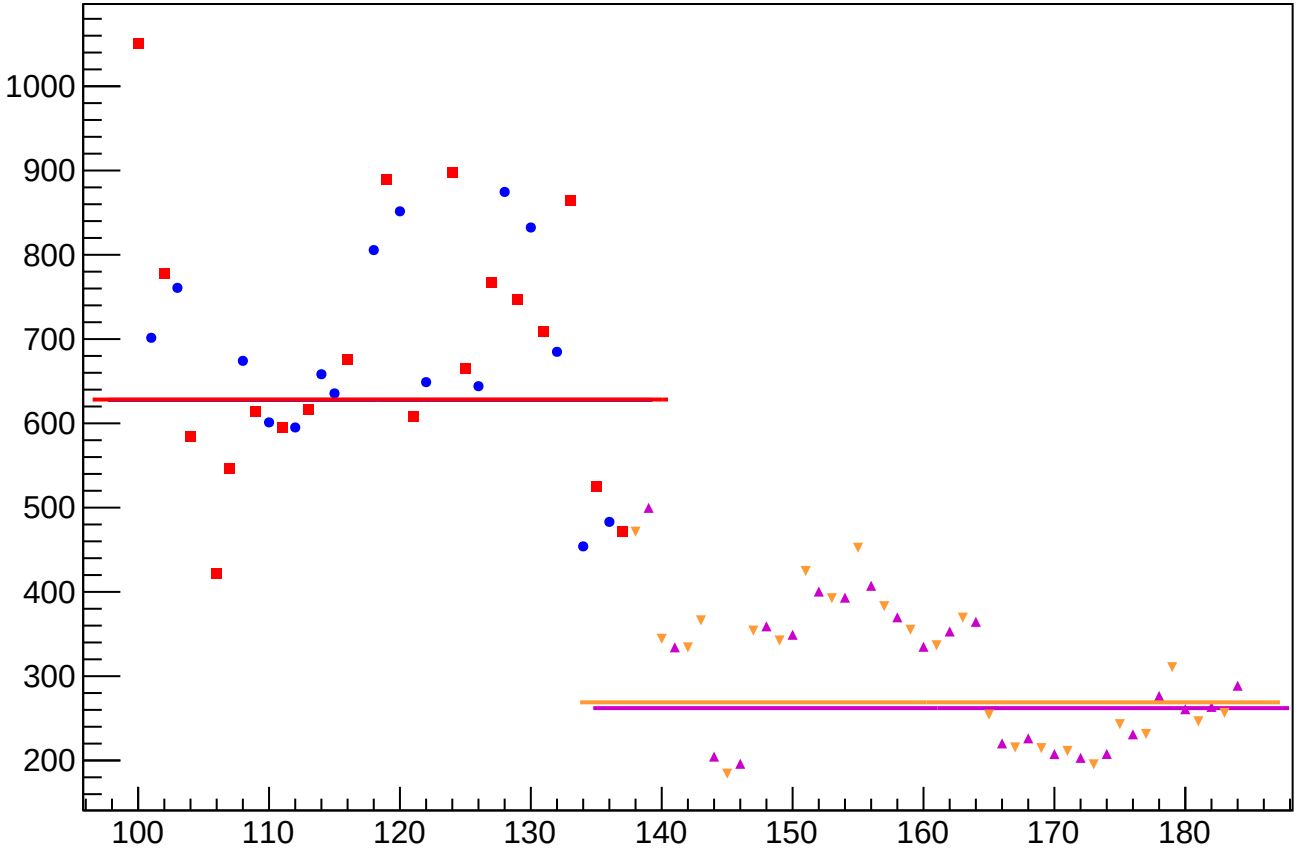
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -24.406+/-61.703 χ^2/NDF:54.6/38

Out: 216.095+/-61.933 χ^2/NDF:86.8/42

All: 95.397+/-43.711 χ^2/NDF: 149.0/81

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: 262.092+/-0.045 χ^2/NDF:2537465.8/22

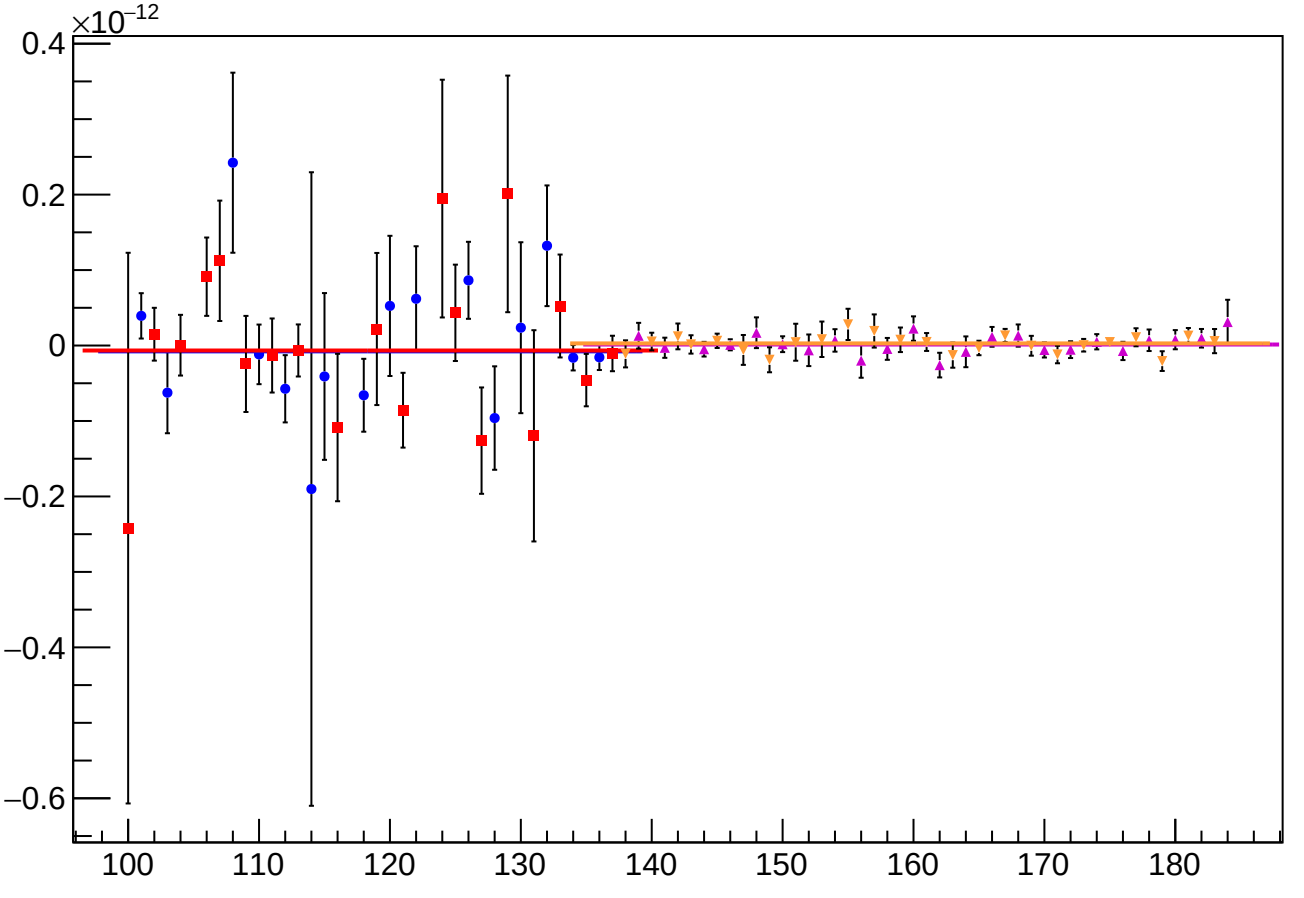
Left: 265.508+/-0.032 χ^2/NDF: 5311545.5/46

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 286.210+/-0.044 χ^2/NDF:7433250.7/38

Out: 293.698+/-0.044 χ^2/NDF:7648816.3/42

All: 289.940+/-0.031 χ^2/NDF: 15096739.4/81



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:12.3/22

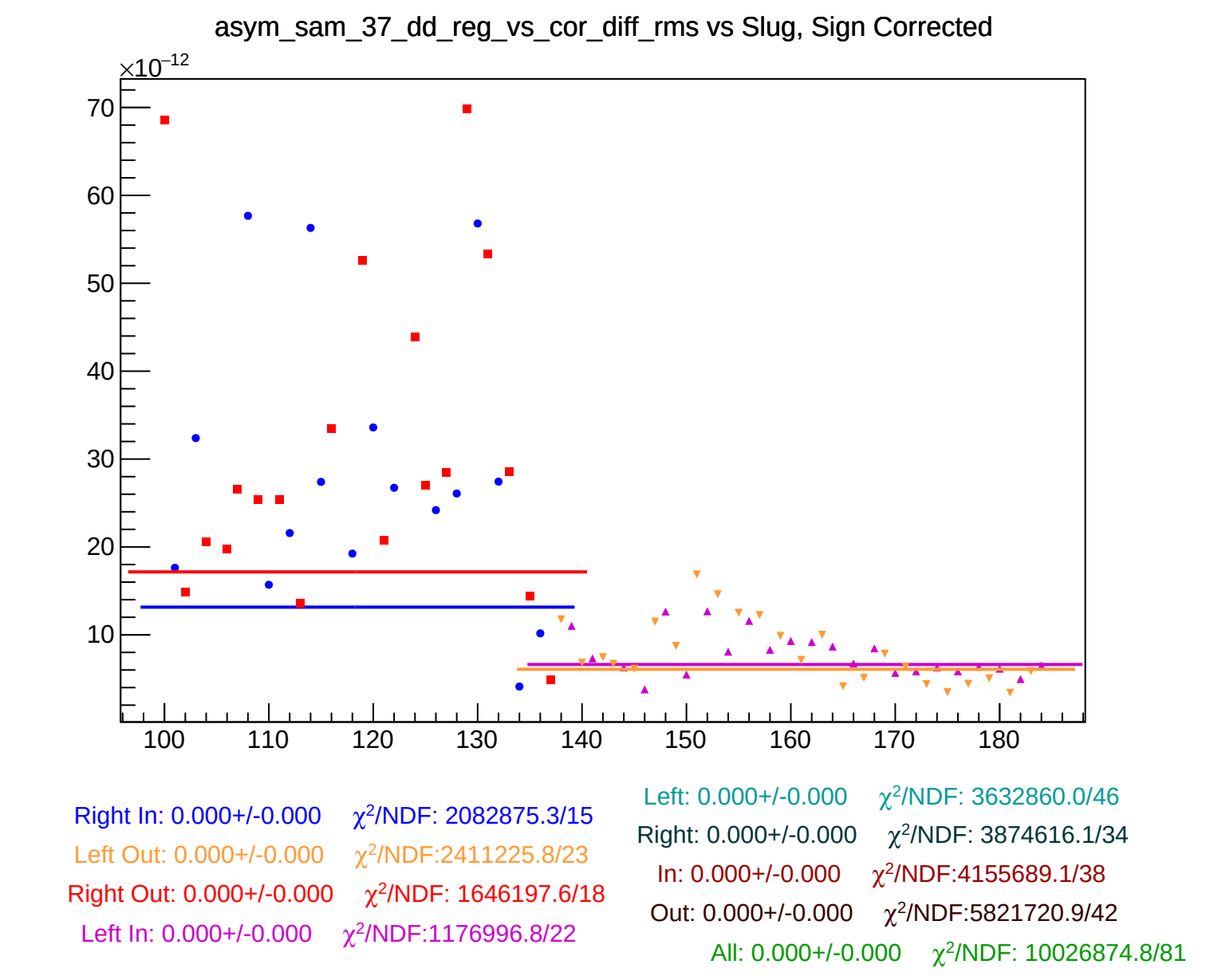
Left: 0.000+/-0.000 χ^2/NDF: 26.9/46

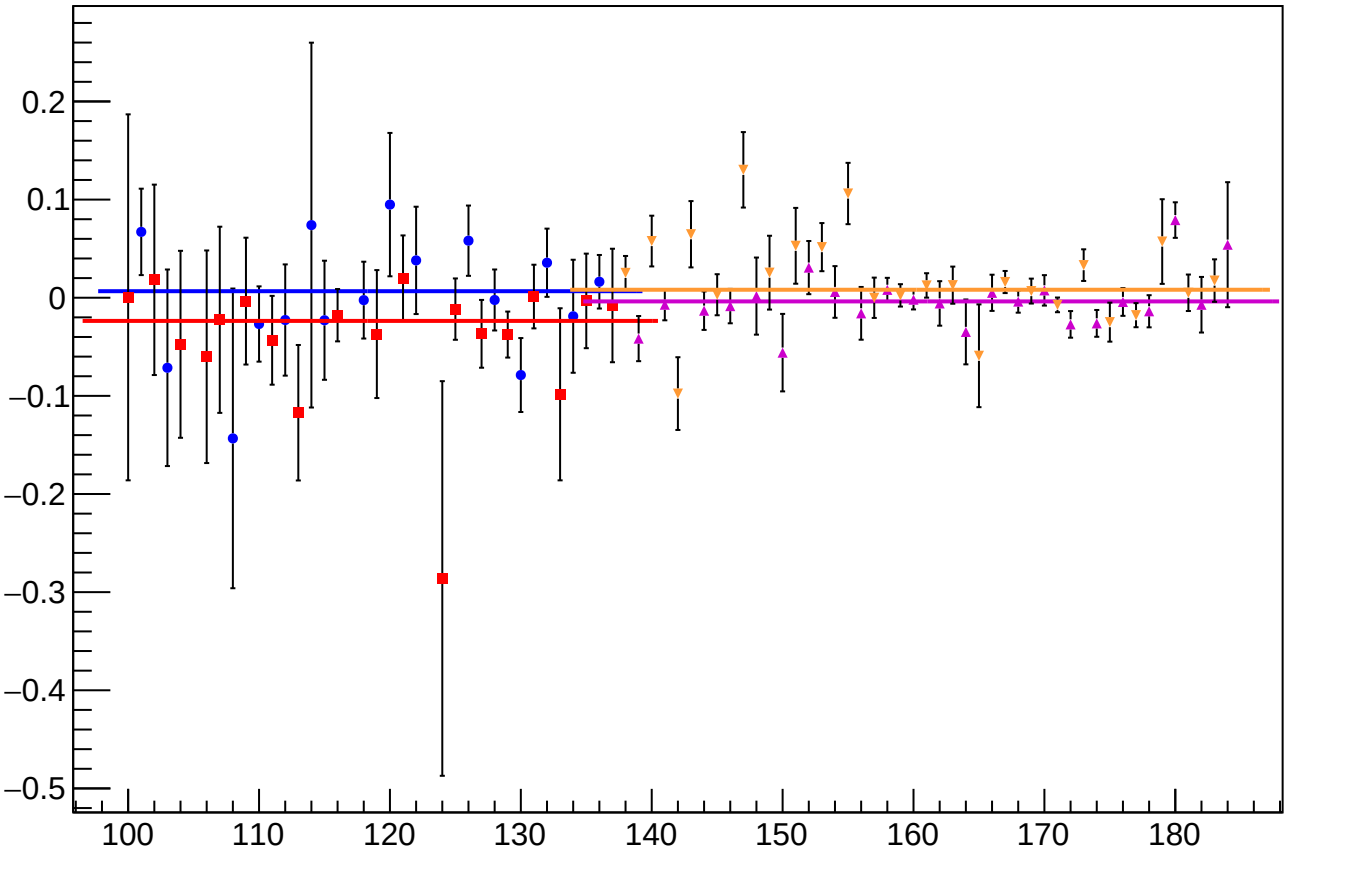
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:34.1/38

Out: 0.000+/-0.000 χ^2/NDF:35.1/42

All: 0.000+/-0.000 χ^2/NDF: 69.4/81


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:1176996.8/22
Left: 0.000+/-0.000 χ²/NDF: 3632860.0/46
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:4155689.1/38
Out: 0.000+/-0.000 χ²/NDF:5821720.9/42
All: 0.000+/-0.000 χ²/NDF: 10026874.8/81



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:37.2/22

Left: 0.002+/-0.003 χ^2/NDF: 101.3/46

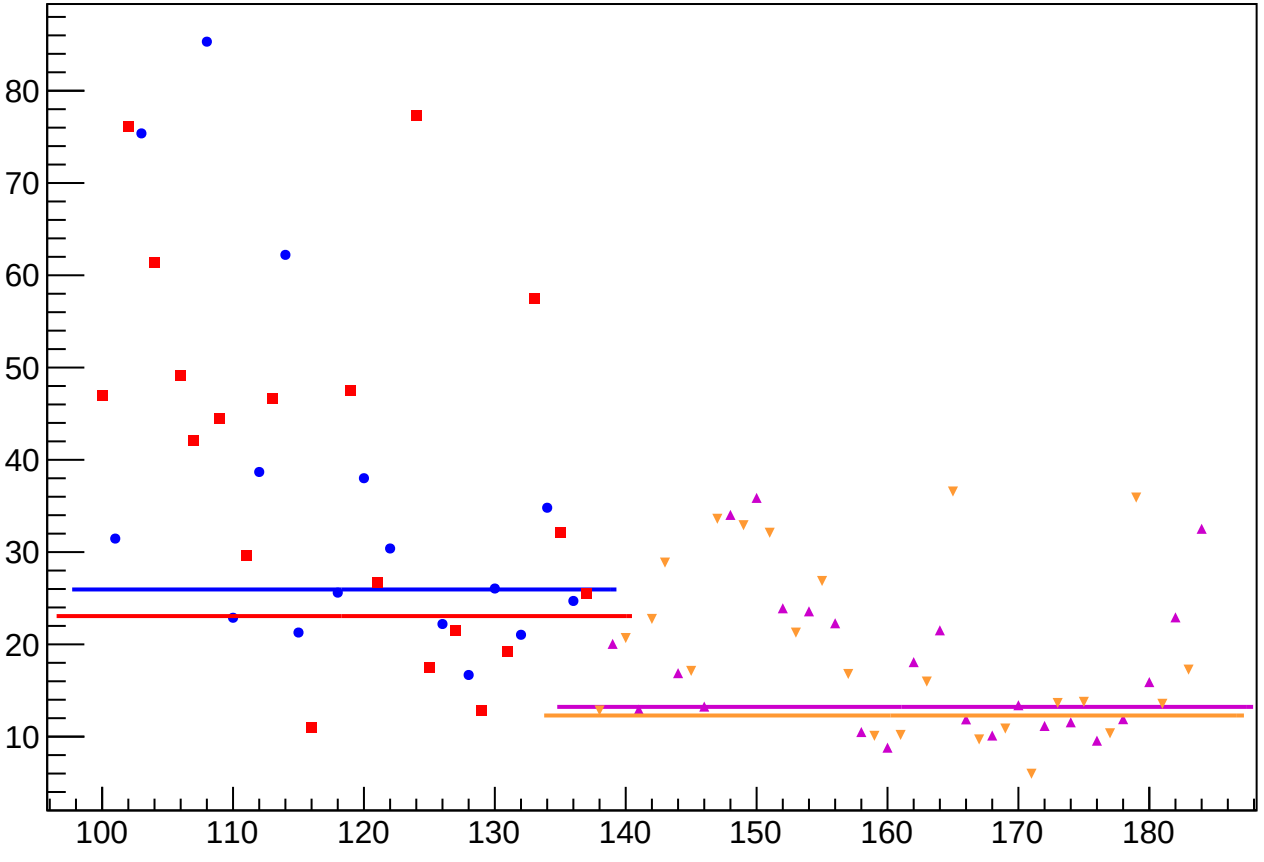
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.003 χ^2/NDF:53.0/38

Out: 0.005+/-0.003 χ^2/NDF:74.2/42

All: 0.001+/-0.002 χ^2/NDF: 129.9/81

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: 13.225+/-0.003 χ^2/NDF:3870352.4/22

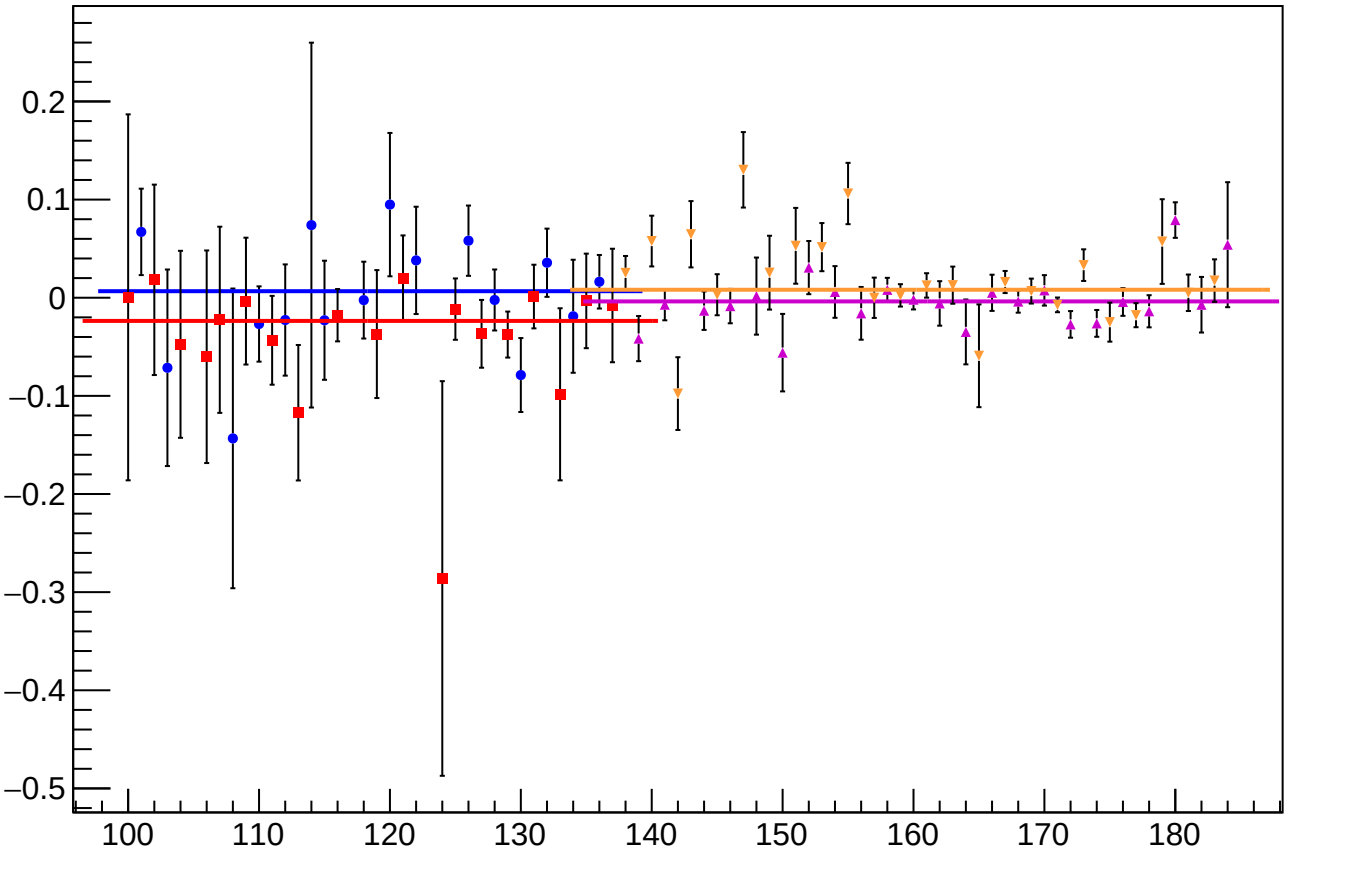
Left: 12.735+/-0.002 χ^2/NDF: 10421846.8/46

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.457+/-0.002 χ^2/NDF:7625847.5/38

Out: 13.345+/-0.002 χ^2/NDF:11742164.4/42

All: 13.873+/-0.002 χ^2/NDF: 19476890.6/81



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:37.2/22

Left: 0.002+/-0.003 χ^2/NDF: 101.3/46

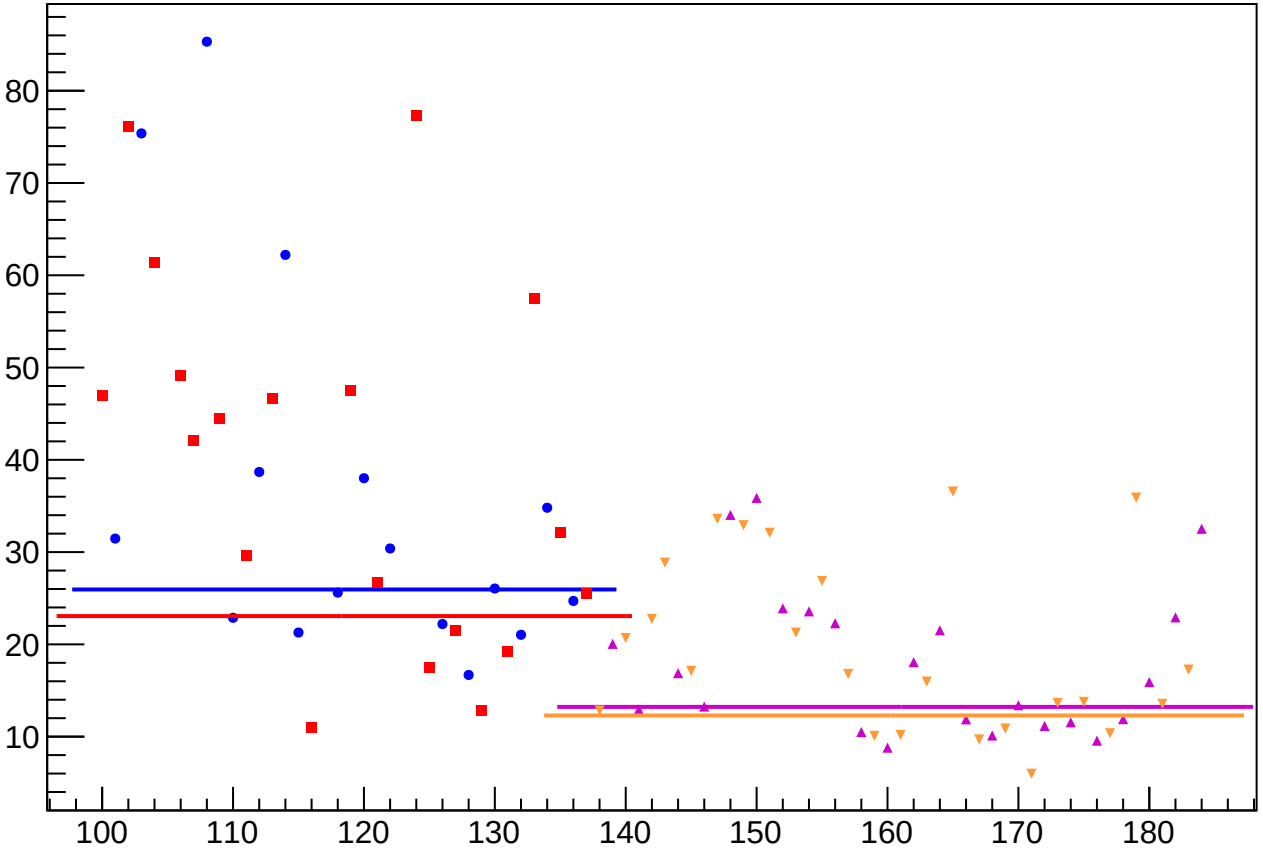
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.003 χ^2/NDF:53.0/38

Out: 0.005+/-0.003 χ^2/NDF:74.2/42

All: 0.001+/-0.002 χ^2/NDF: 129.9/81

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.291+/-0.002 χ^2/NDF:6482193.0/23

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

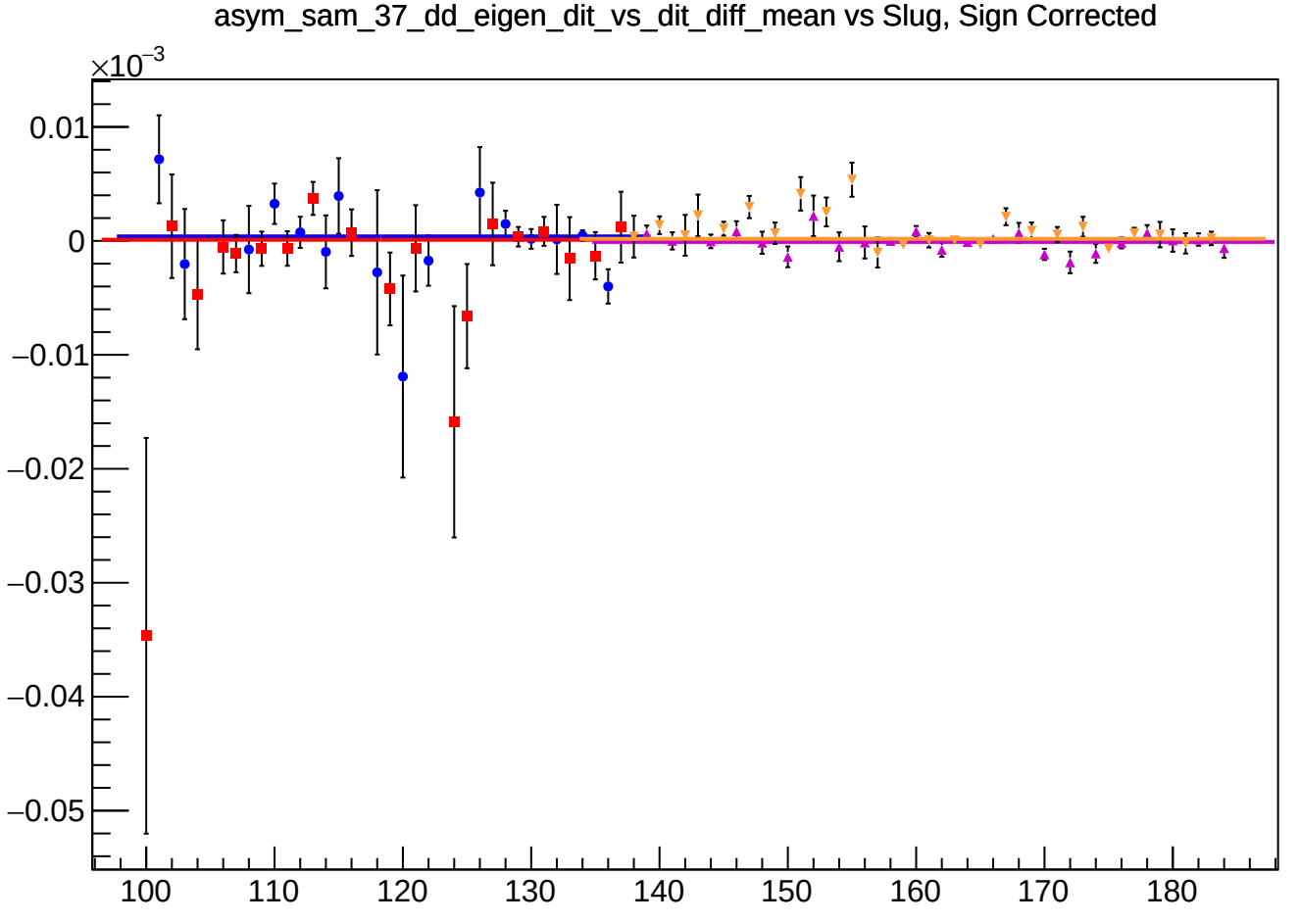
Left: 12.735+/-0.002 χ^2/NDF: 10421846.8/46

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.457+/-0.002 χ^2/NDF:7625847.5/38

Out: 13.345+/-0.002 χ^2/NDF:11742164.4/42

All: 13.873+/-0.002 χ^2/NDF: 19476890.6/81



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:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 87.8/46

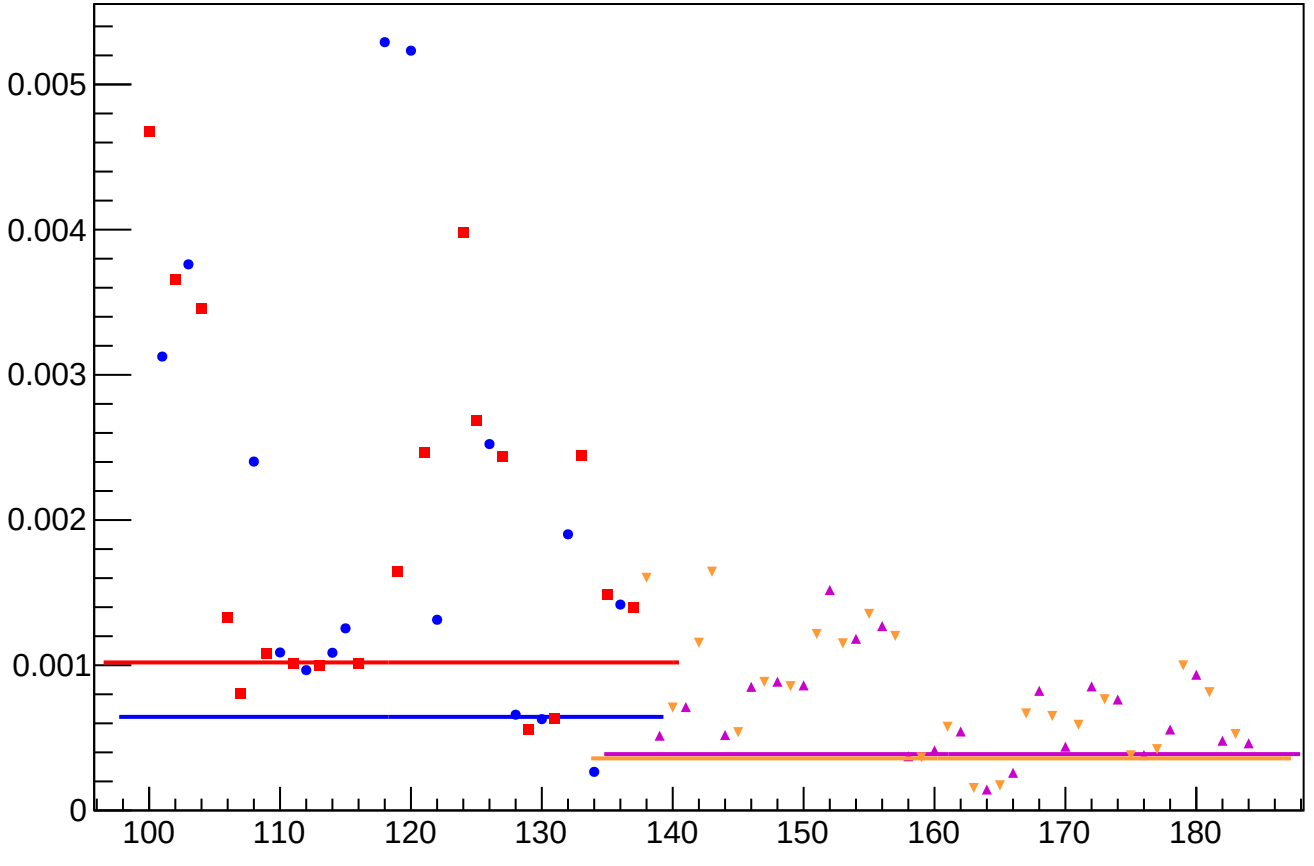
Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: -0.000+/-0.000 χ^2/NDF:47.1/38

Out: 0.000+/-0.000 χ^2/NDF:80.6/42

All: 0.000+/-0.000 χ^2/NDF: 130.0/81

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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:10459340.6/22

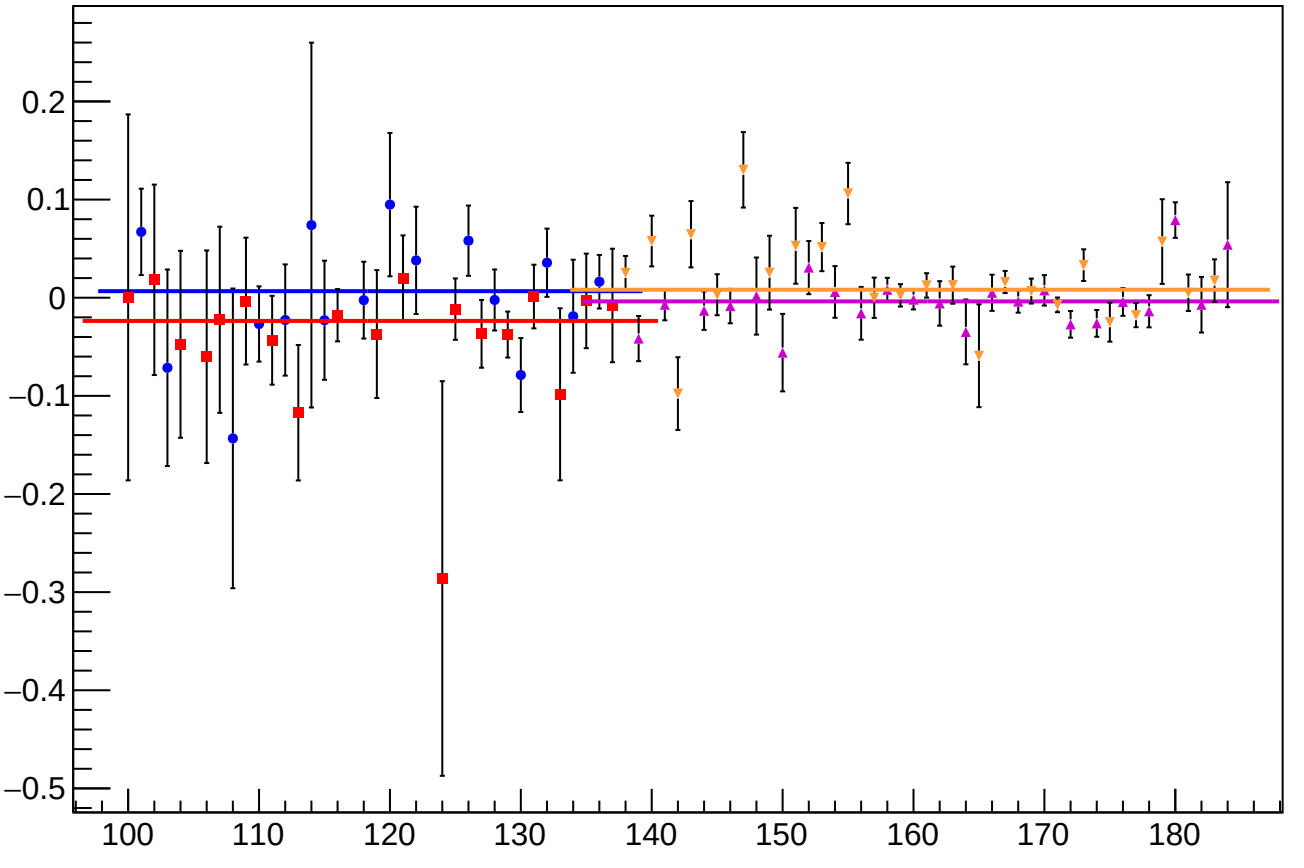
Left: 0.000+/-0.000 χ^2/NDF: 24519119.2/46

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:18060950.5/38

Out: 0.000+/-0.000 χ^2/NDF:21736023.7/42

All: 0.000+/-0.000 χ^2/NDF: 39834334.2/81



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:37.2/22

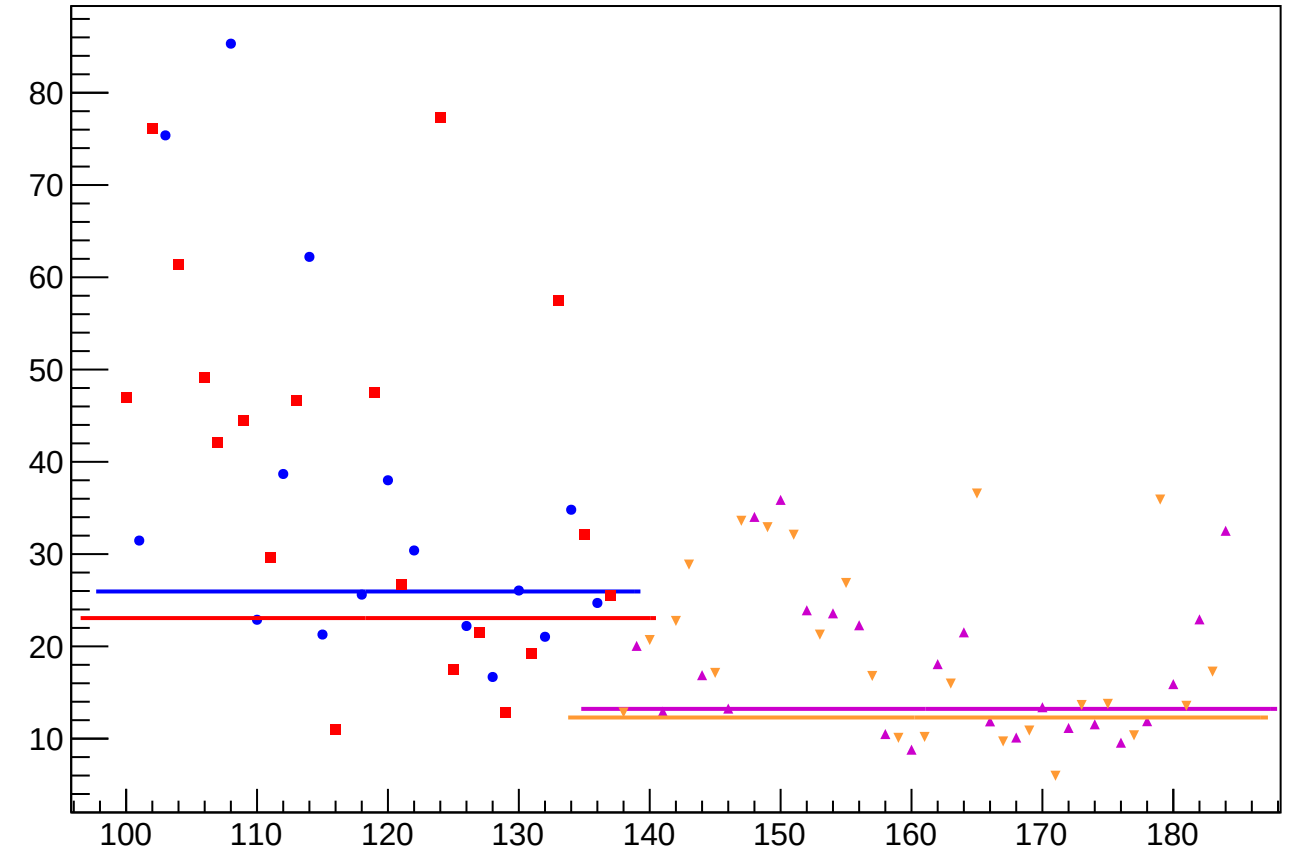
Left: 0.002+/-0.003 χ^2/NDF: 101.3/46

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.003 χ^2/NDF:53.0/38

Out: 0.005+/-0.003 χ^2/NDF:74.2/42

All: 0.001+/-0.002 χ^2/NDF: 129.9/81



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: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.735+/-0.002 χ^2/NDF: 10422226.5/46

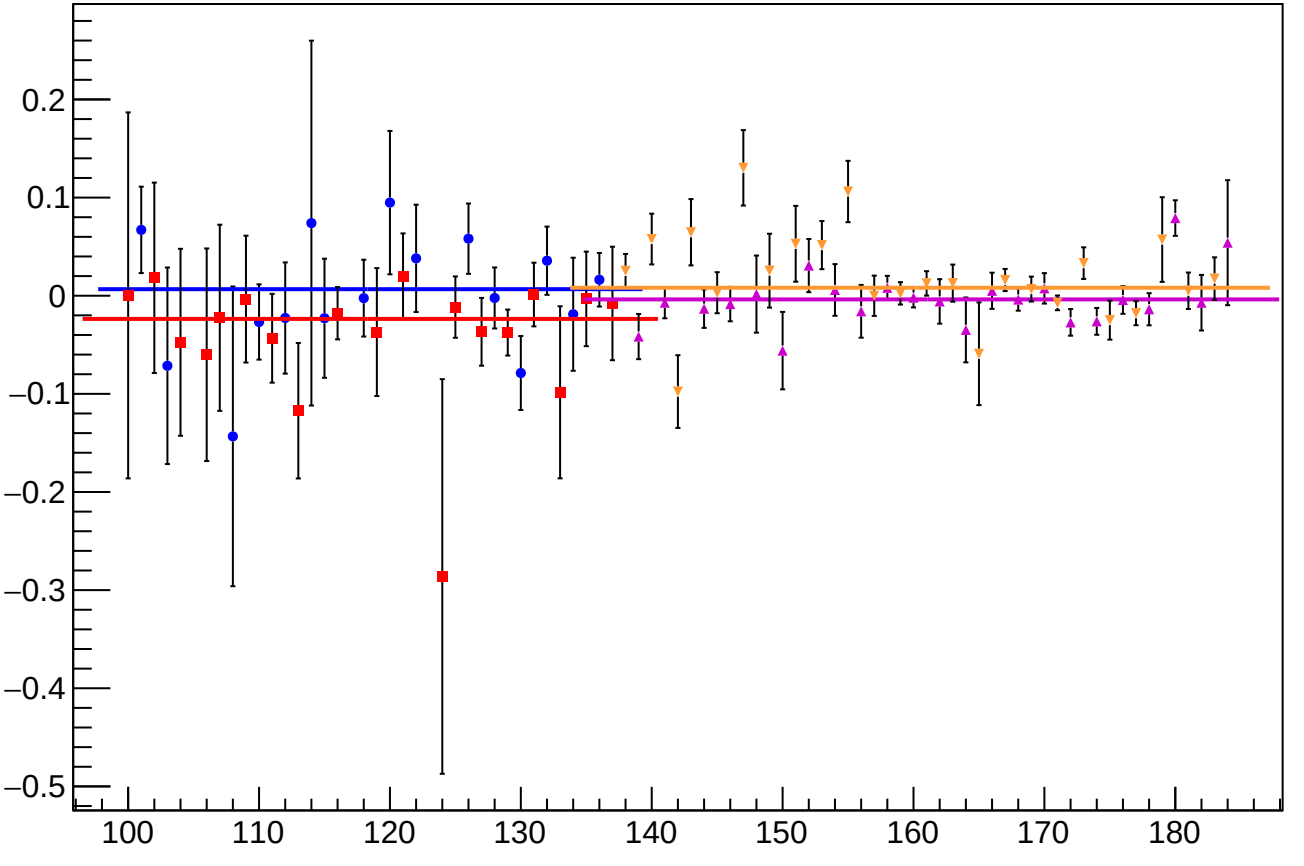
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.457+/-0.002 χ^2/NDF:7626038.2/38

Out: 13.345+/-0.002 χ^2/NDF:11742329.5/42

All: 13.873+/-0.002 χ^2/NDF: 19477235.6/81

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-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:37.2/22

Left: 0.002+/-0.003 χ^2/NDF: 101.3/46

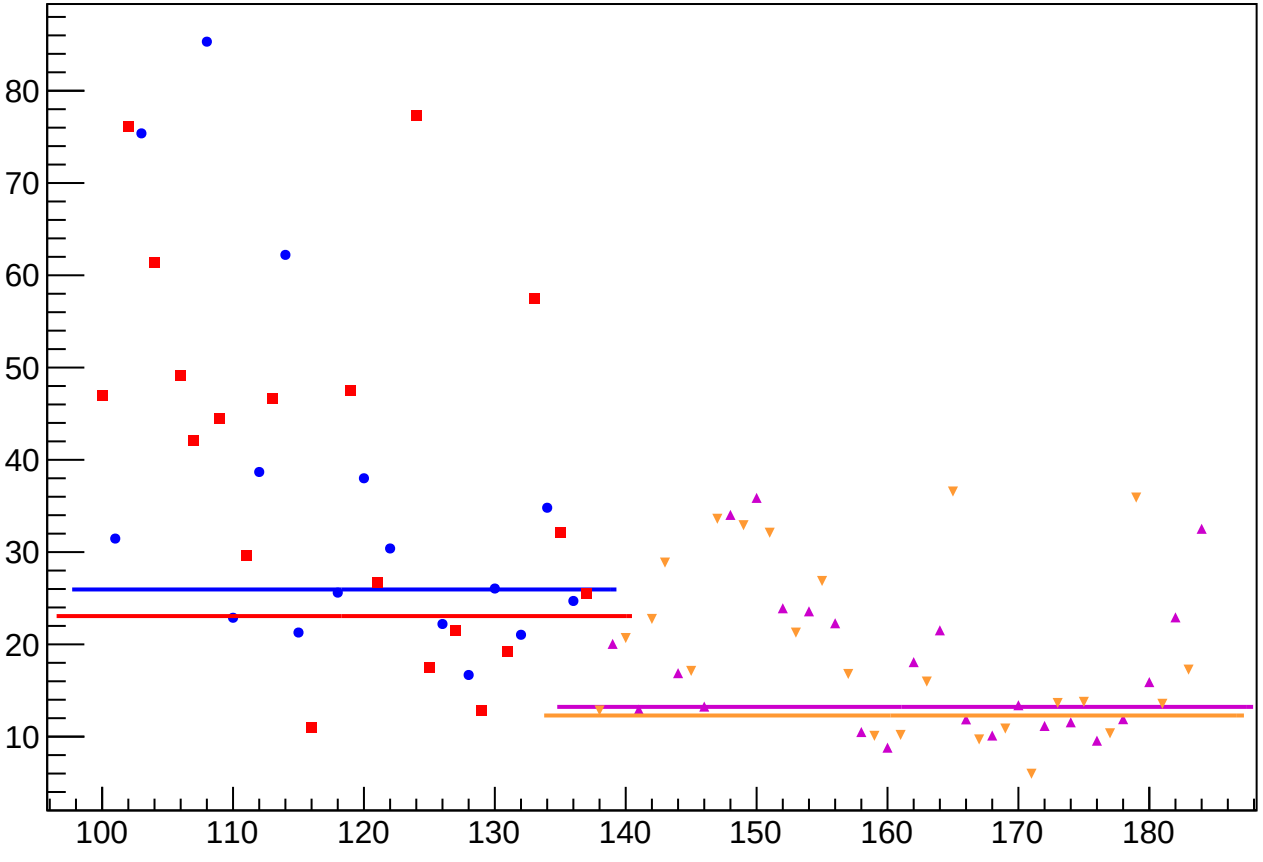
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.003 χ^2/NDF:53.0/38

Out: 0.005+/-0.003 χ^2/NDF:74.2/42

All: 0.001+/-0.002 χ^2/NDF: 129.9/81

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: 13.225+/-0.003 χ^2/NDF:3870507.9/22

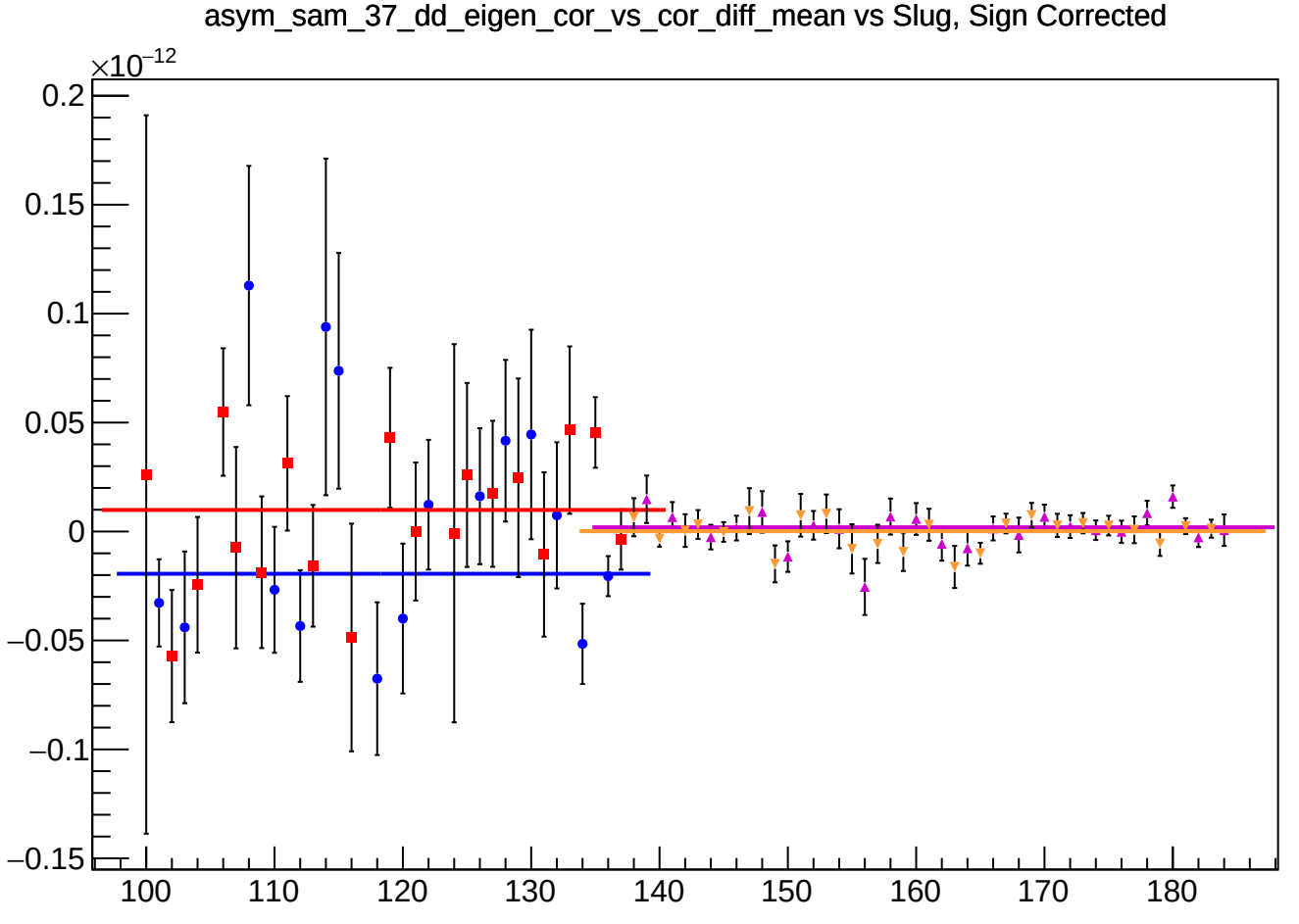
Left: 12.735+/-0.002 χ^2/NDF: 10422226.5/46

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.457+/-0.002 χ^2/NDF:7626038.2/38

Out: 13.345+/-0.002 χ^2/NDF:11742329.5/42

All: 13.873+/-0.002 χ^2/NDF: 19477235.6/81



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

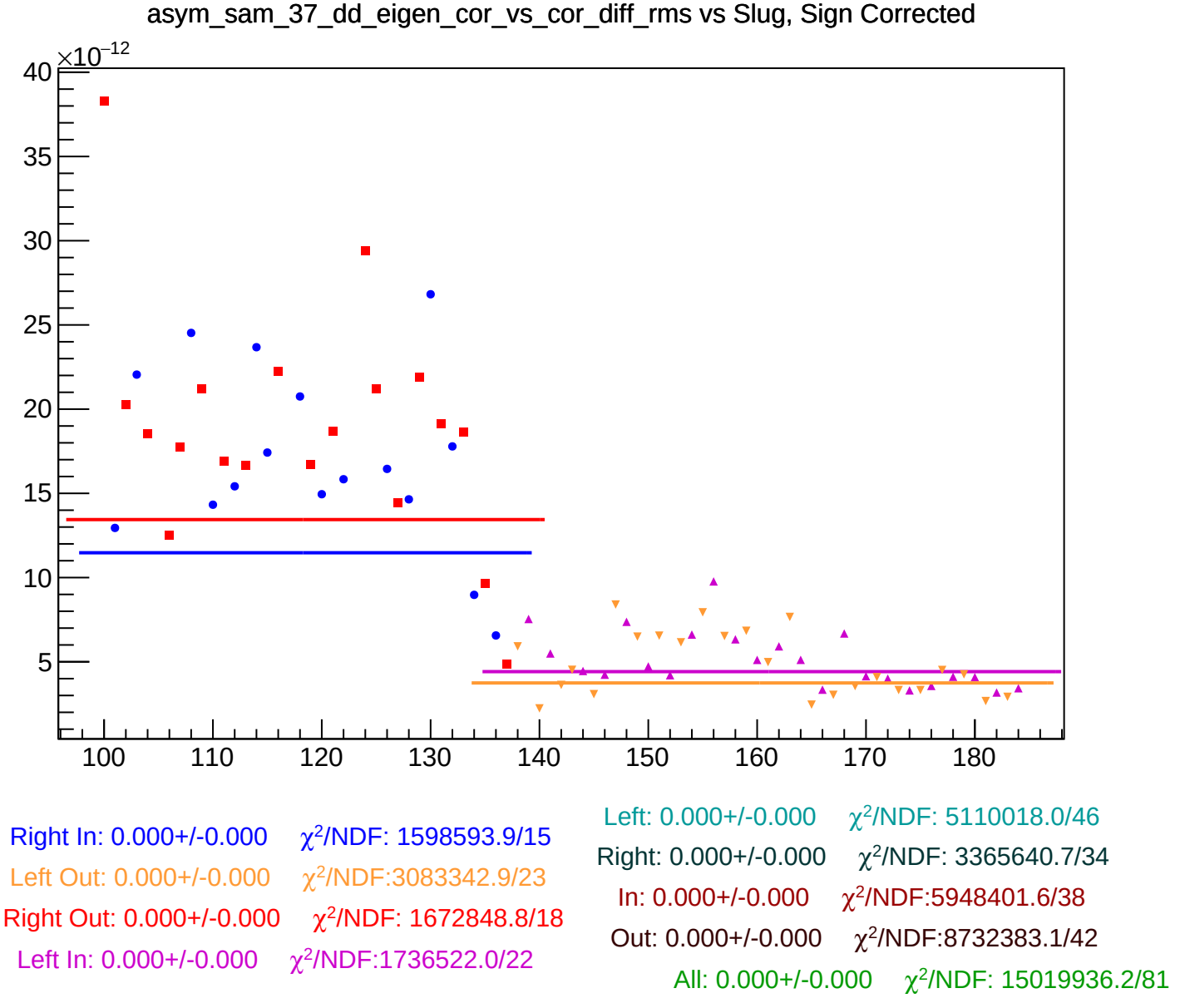
Left: 0.000+/-0.000 χ^2/NDF: 47.9/46

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: 0.000+/-0.000 χ^2/NDF:63.0/38

Out: 0.000+/-0.000 χ^2/NDF:43.8/42

All: 0.000+/-0.000 χ^2/NDF: 106.9/81


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
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25
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5
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110
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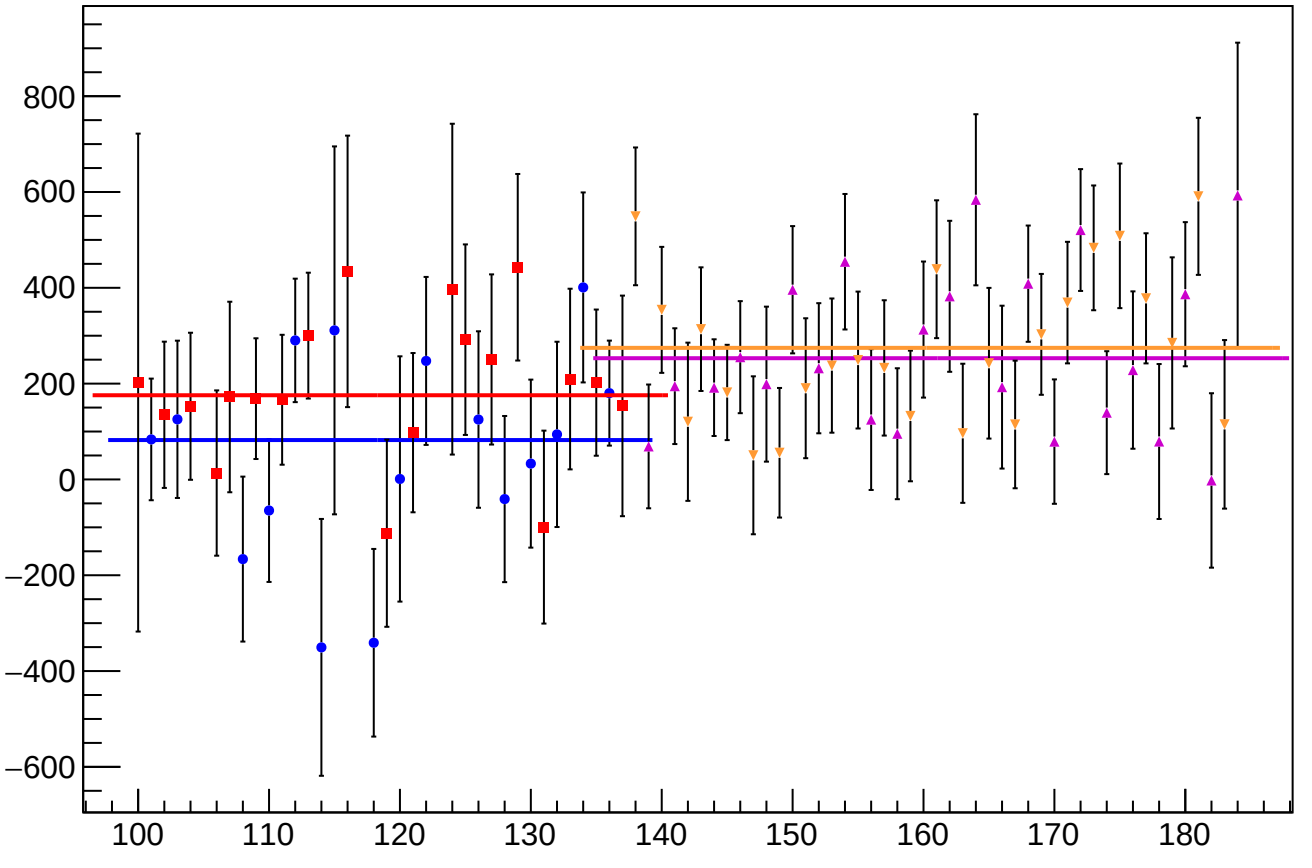
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:3083342.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:1736522.0/22
Left: 0.000+/-0.000 χ²/NDF: 5110018.0/46
Right: 0.000+/-0.000 χ²/NDF: 3365640.7/34
In: 0.000+/-0.000 χ²/NDF:5948401.6/38
Out: 0.000+/-0.000 χ²/NDF:8732383.1/42
All: 0.000+/-0.000 χ²/NDF: 15019936.2/81



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: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 264.114+/-20.475 χ^2/NDF: 53.4/46

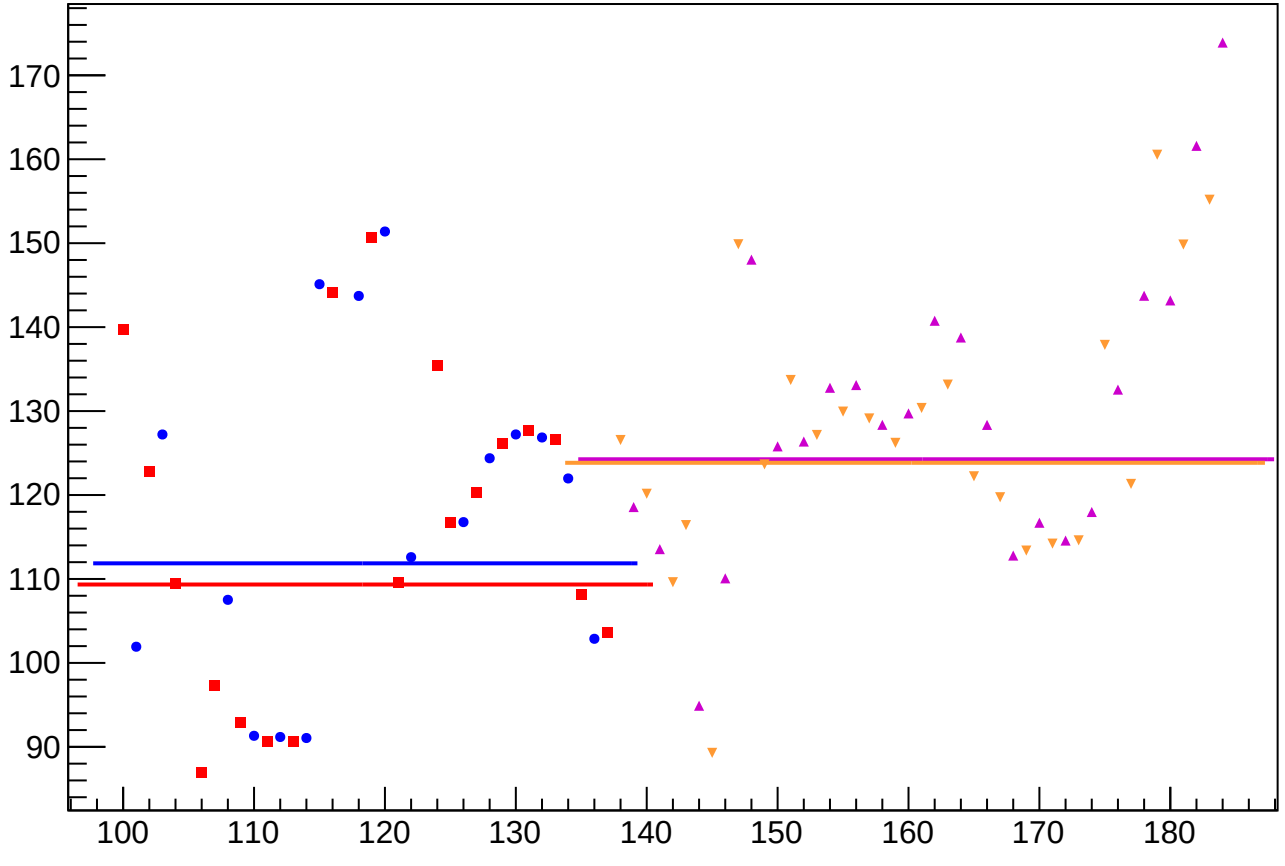
Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 197.323+/-24.062 χ^2/NDF:55.6/38

Out: 241.910+/-23.401 χ^2/NDF:40.8/42

All: 220.238+/-16.776 χ^2/NDF: 98.1/81

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: 124.259+/-0.021 χ^2/NDF:557214.9/22

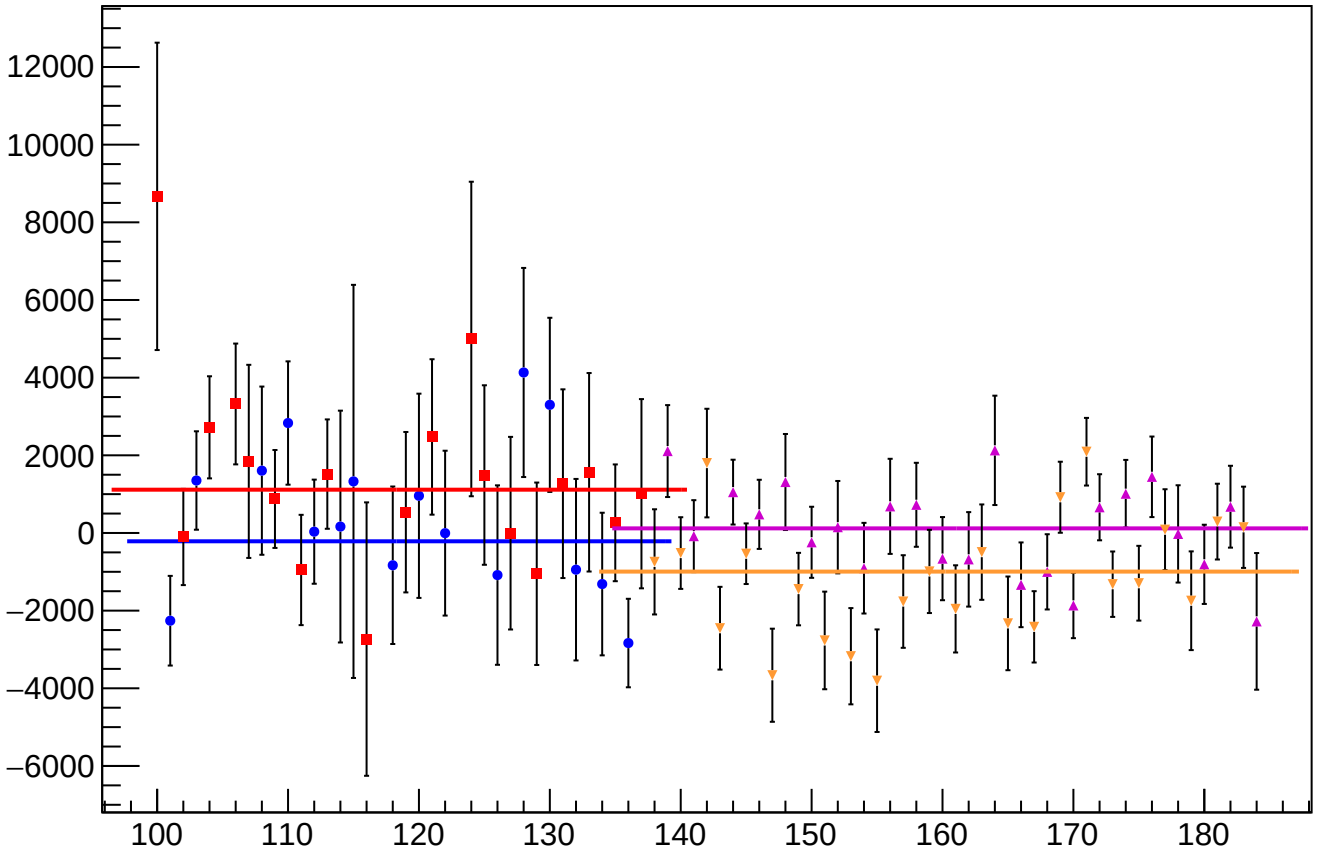
Left: 124.044+/-0.014 χ^2/NDF: 1155694.3/46

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 120.216+/-0.017 χ^2/NDF:979909.3/38

Out: 119.040+/-0.017 χ^2/NDF:1135511.6/42

All: 119.611+/-0.012 χ^2/NDF: 2117875.3/81



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: 118.433+/-217.165 χ^2/NDF:24.4/22

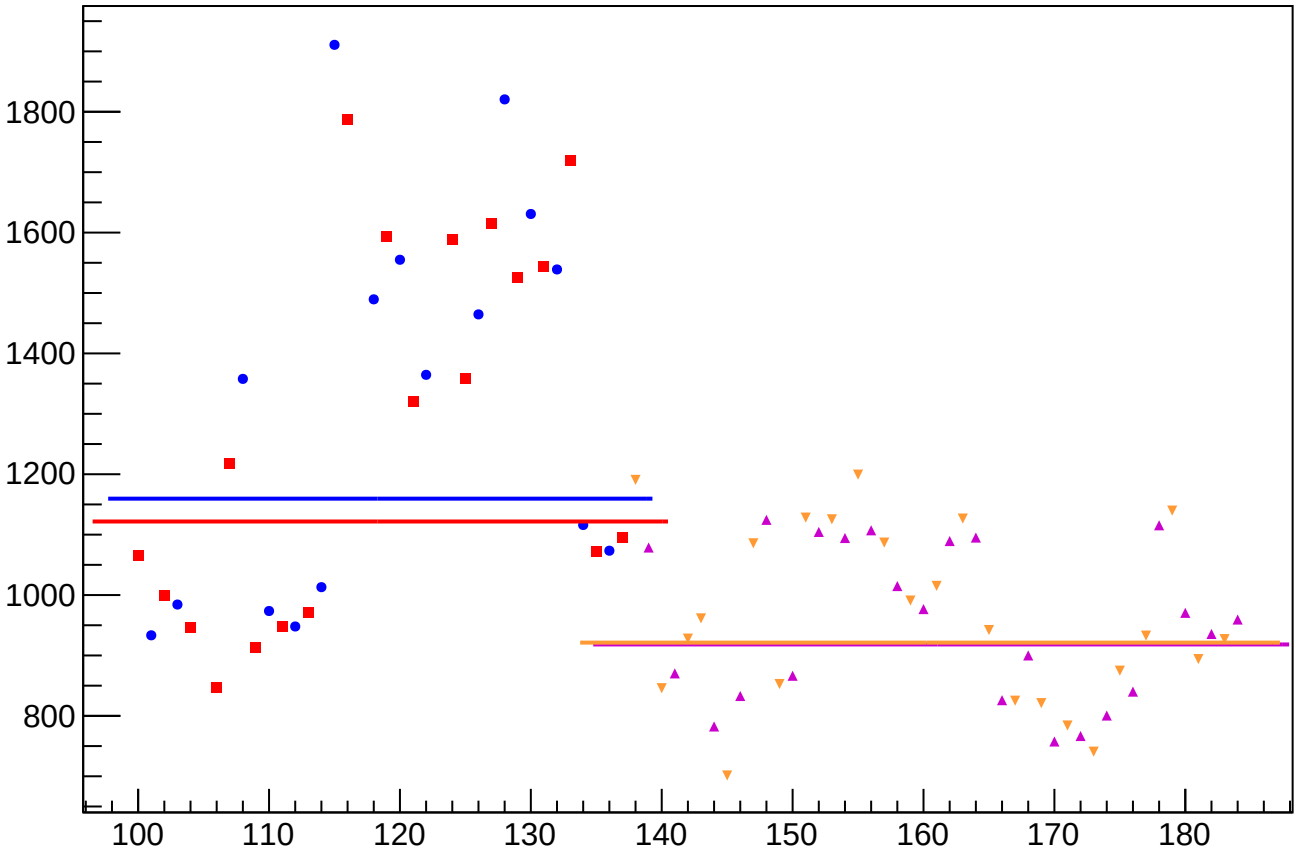
Left: -446.561+/-152.378 χ^2/NDF: 85.5/46

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 54.212+/-195.078 χ^2/NDF:45.3/38

Out: -565.176+/-190.861 χ^2/NDF:82.1/42

All: -262.249+/-136.425 χ^2/NDF: 132.6/81



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: 918.214+/-0.154 χ^2/NDF:666262.3/22

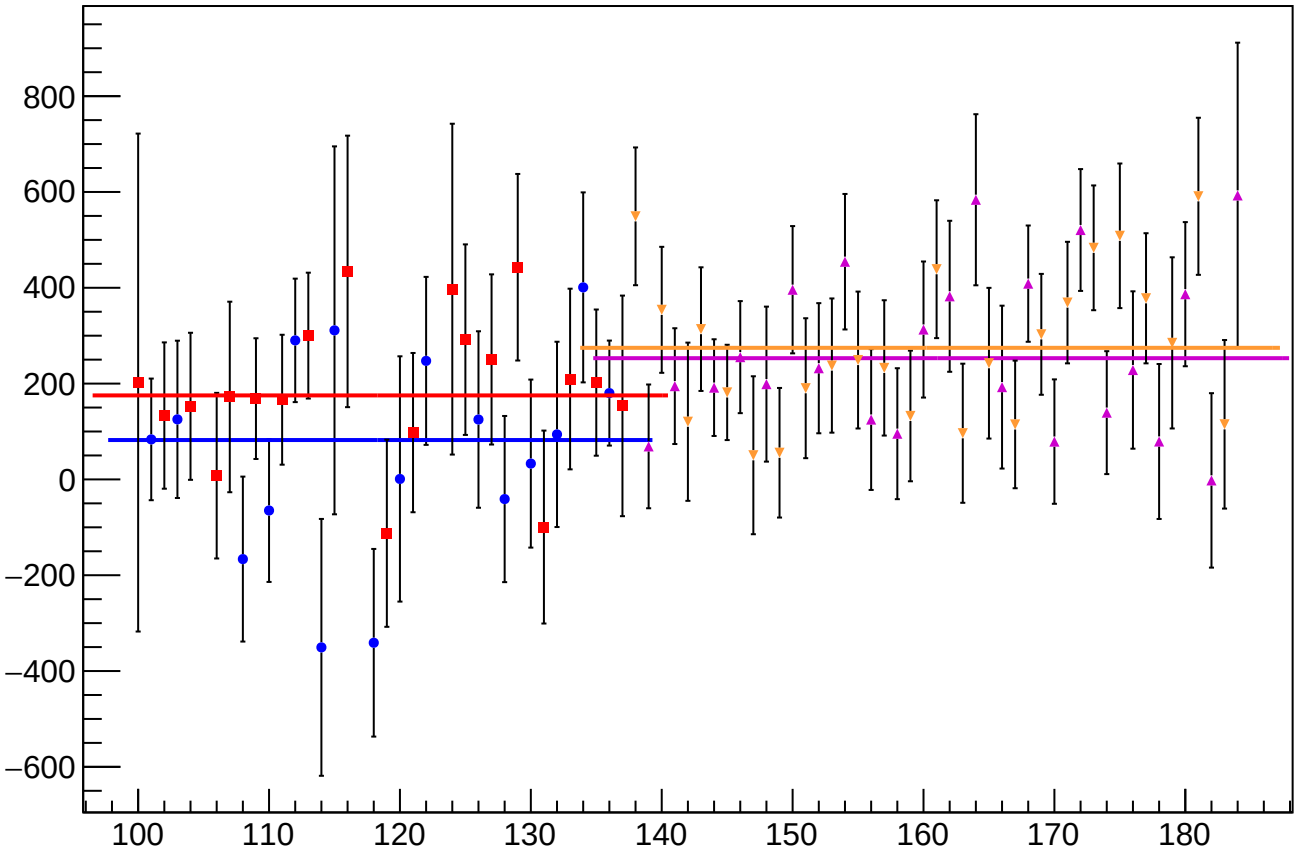
Left: 919.772+/-0.108 χ^2/NDF: 1536724.6/46

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 964.813+/-0.138 χ^2/NDF:1826909.8/38

Out: 962.088+/-0.135 χ^2/NDF:2010235.1/42

All: 963.421+/-0.096 χ^2/NDF: 3837344.2/81



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: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 264.119+/-20.475 χ^2/NDF: 53.4/46

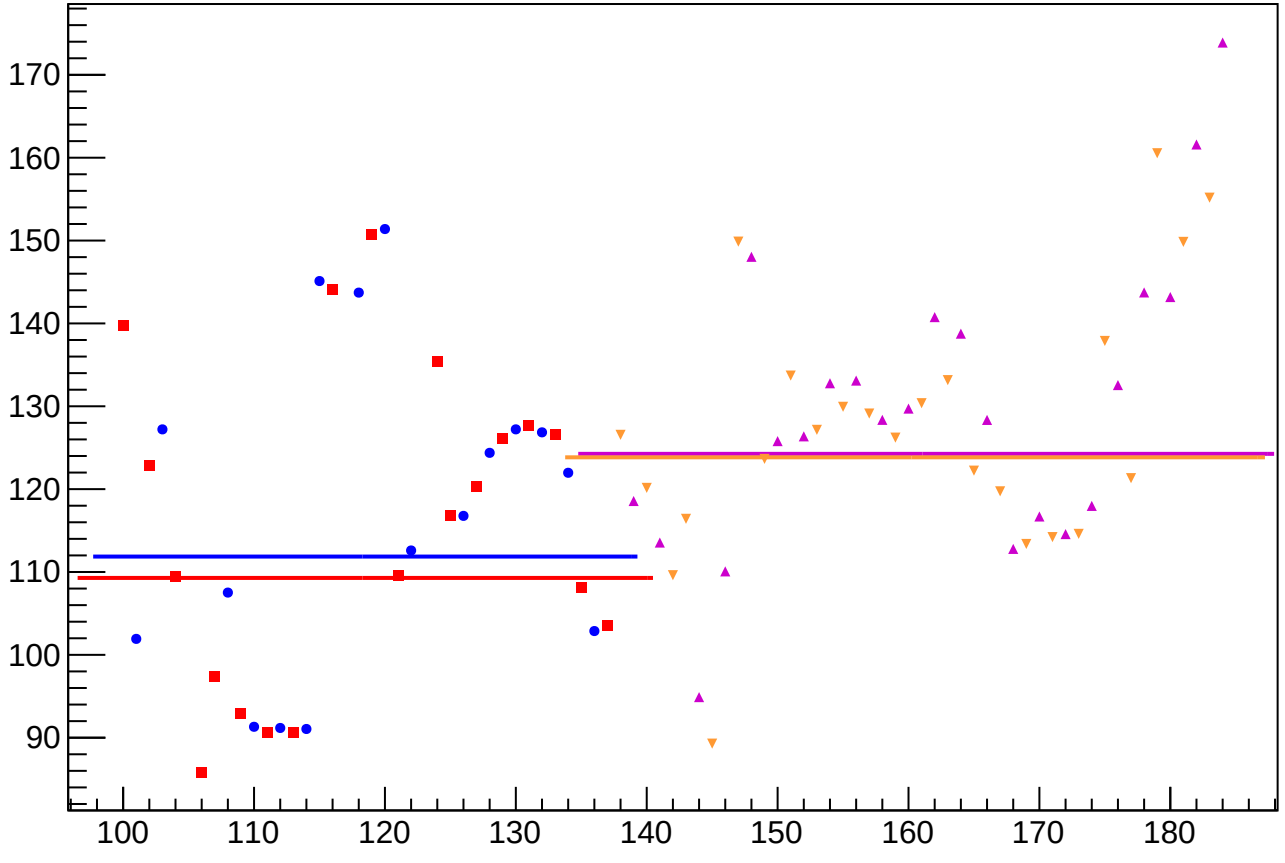
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 197.321+/-24.062 χ^2/NDF:55.6/38

Out: 241.790+/-23.402 χ^2/NDF:40.8/42

All: 220.174+/-16.776 χ^2/NDF: 98.2/81

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



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: 124.259+/-0.021 χ^2/NDF:557214.9/22

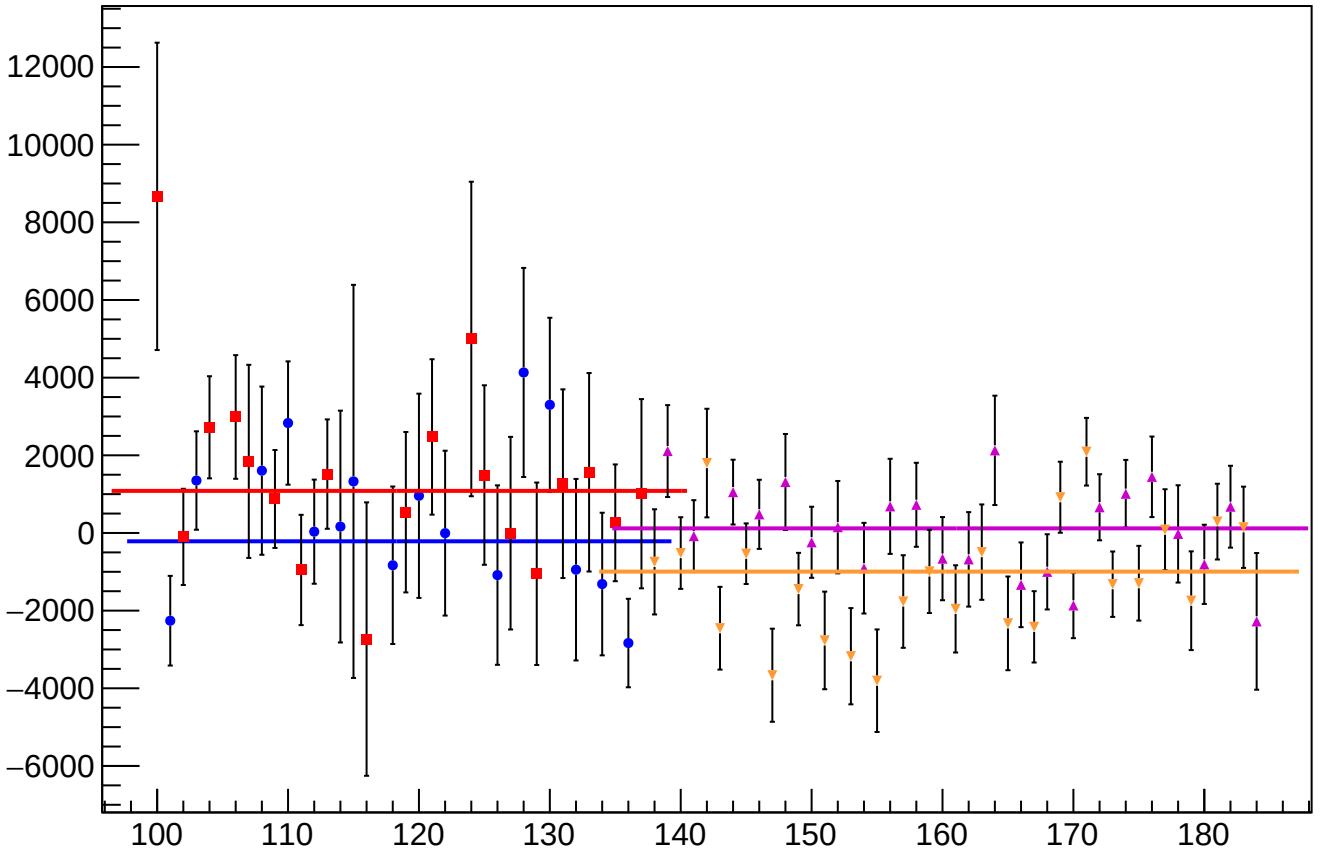
Left: 124.044+/-0.014 χ^2/NDF: 1155694.4/46

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 120.216+/-0.017 χ^2/NDF:979909.9/38

Out: 119.022+/-0.017 χ^2/NDF:1140291.1/42

All: 119.602+/-0.012 χ^2/NDF: 2122729.8/81



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: 118.435+/-217.165 χ^2/NDF:24.4/22

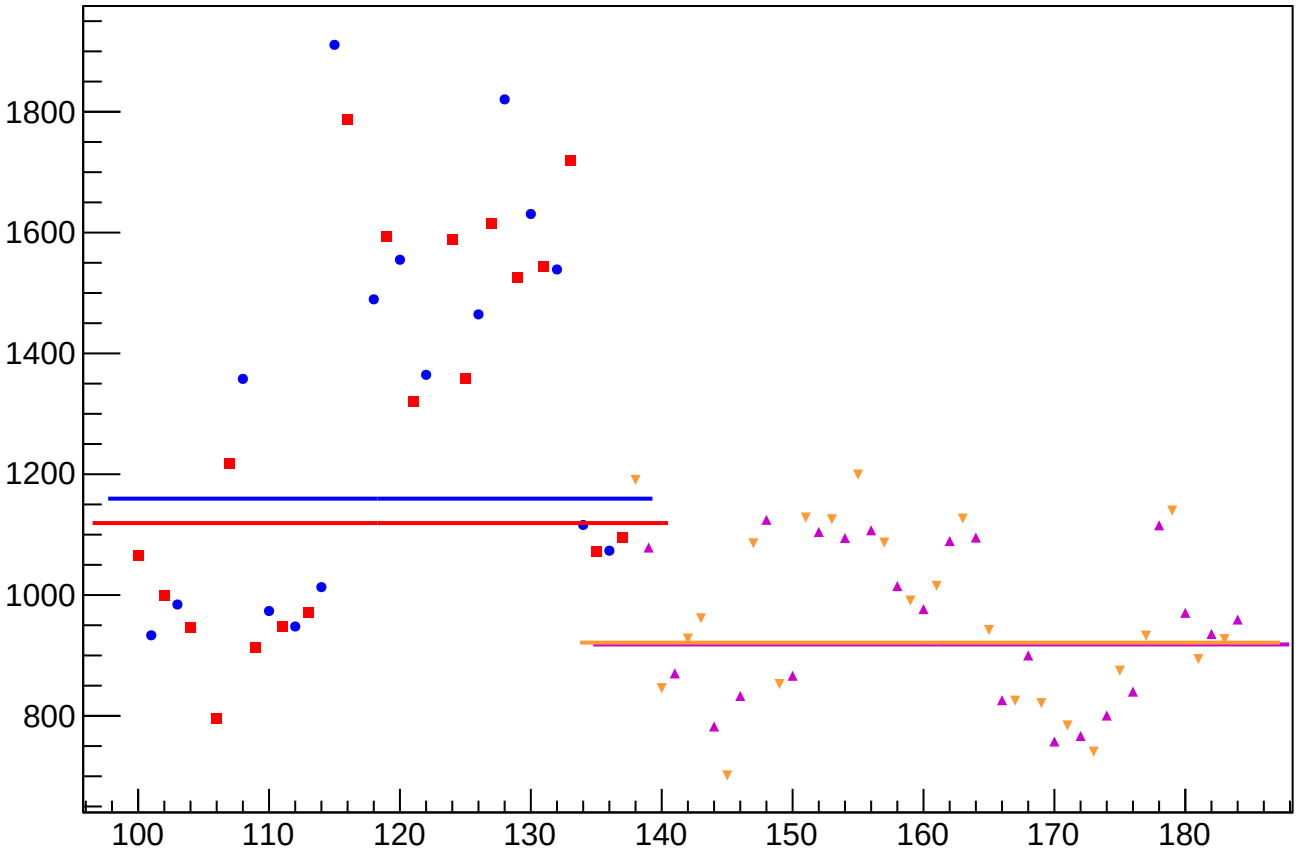
Left: -446.556+/-152.378 χ^2/NDF: 85.5/46

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 54.198+/-195.078 χ^2/NDF:45.3/38

Out: -572.600+/-190.928 χ^2/NDF:80.9/42

All: -265.939+/-136.450 χ^2/NDF: 131.4/81



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: 918.214+/-0.154 χ^2/NDF:666263.4/22

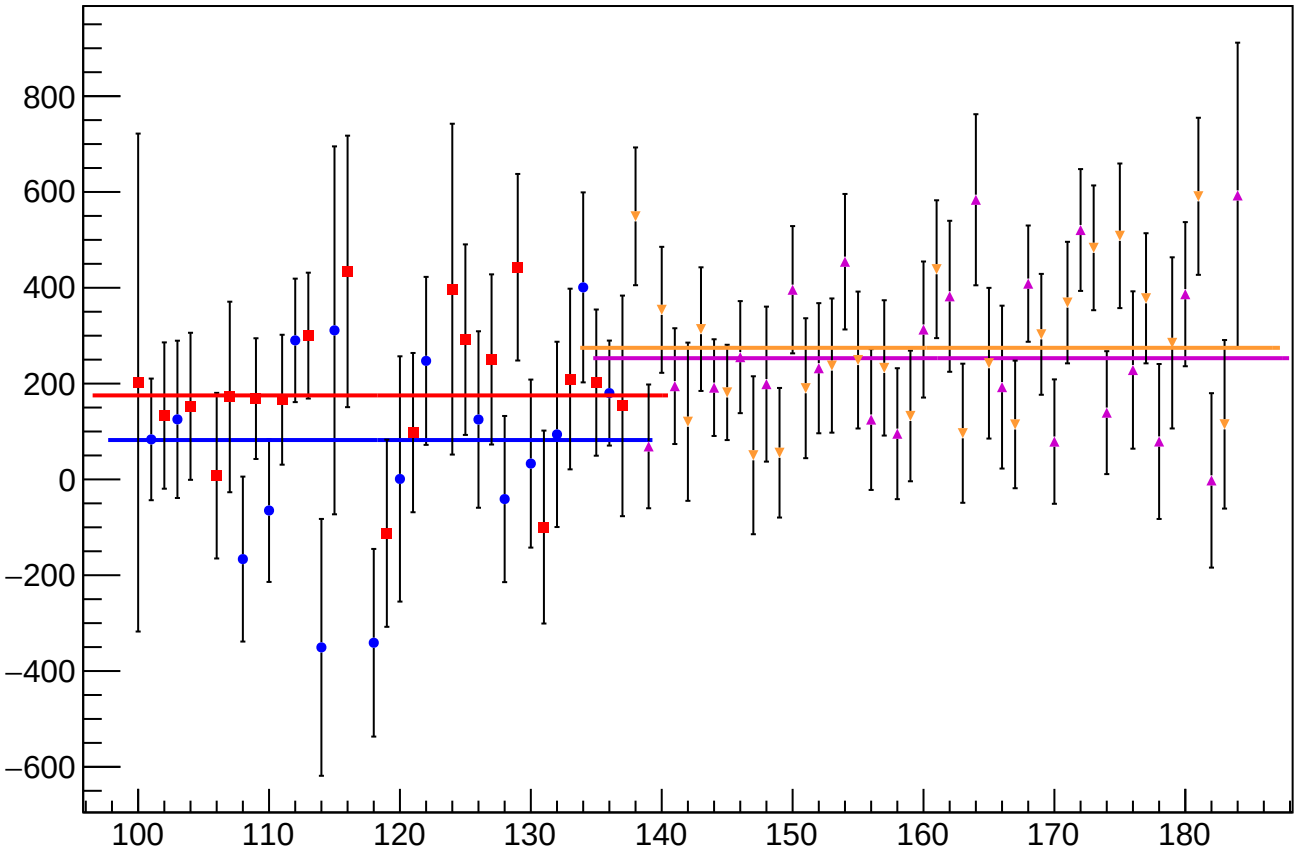
Left: 919.772+/-0.108 χ^2/NDF: 1536725.9/46

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 964.814+/-0.138 χ^2/NDF:1826911.7/38

Out: 961.449+/-0.135 χ^2/NDF:2020948.8/42

All: 963.095+/-0.096 χ^2/NDF: 3848164.6/81



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: 253.051+/-29.313 χ^2/NDF:26.2/22

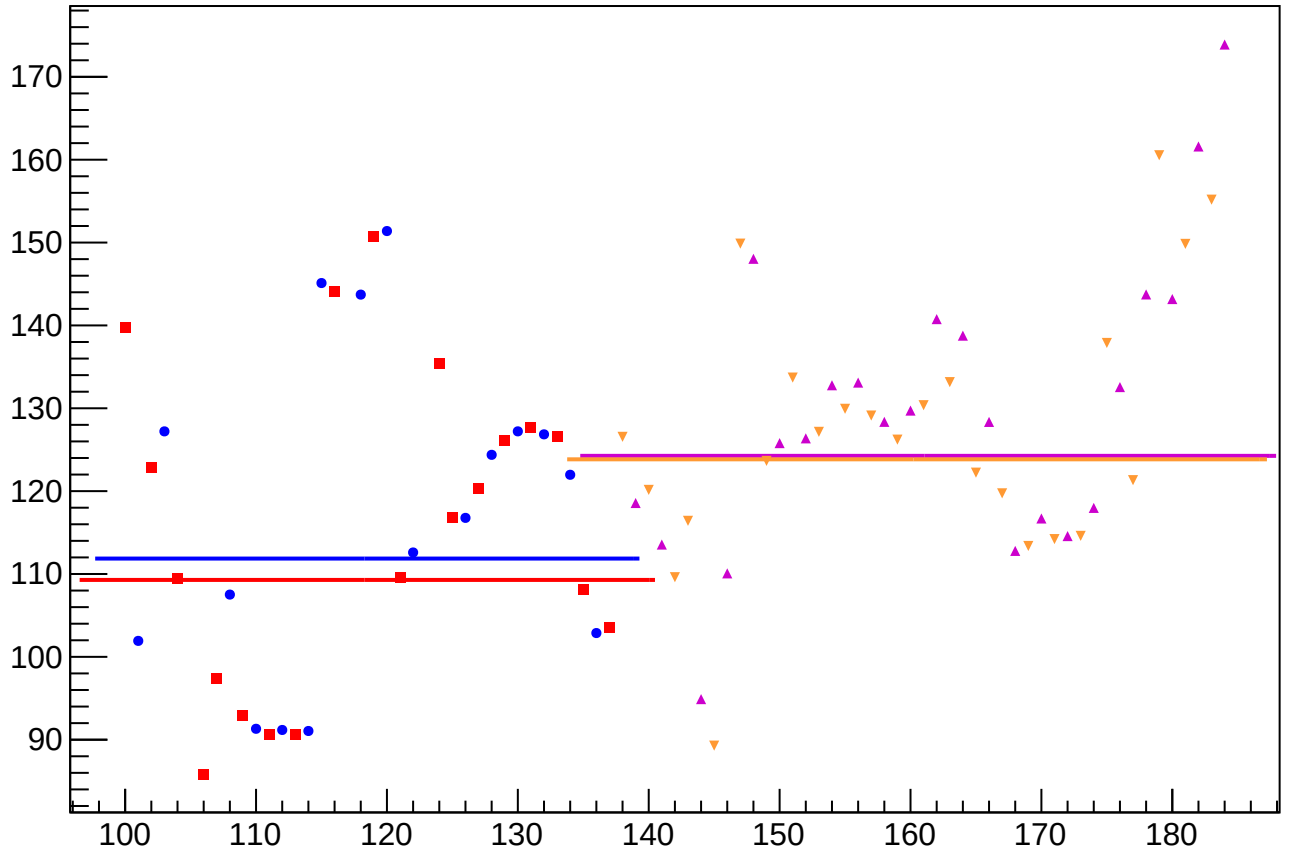
Left: 264.119+/-20.475 χ^2/NDF: 53.4/46

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 197.321+/-24.062 χ^2/NDF:55.6/38

Out: 241.790+/-23.402 χ^2/NDF:40.8/42

All: 220.174+/-16.776 χ^2/NDF: 98.2/81



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: 124.259+/-0.021 χ^2/NDF:557214.9/22

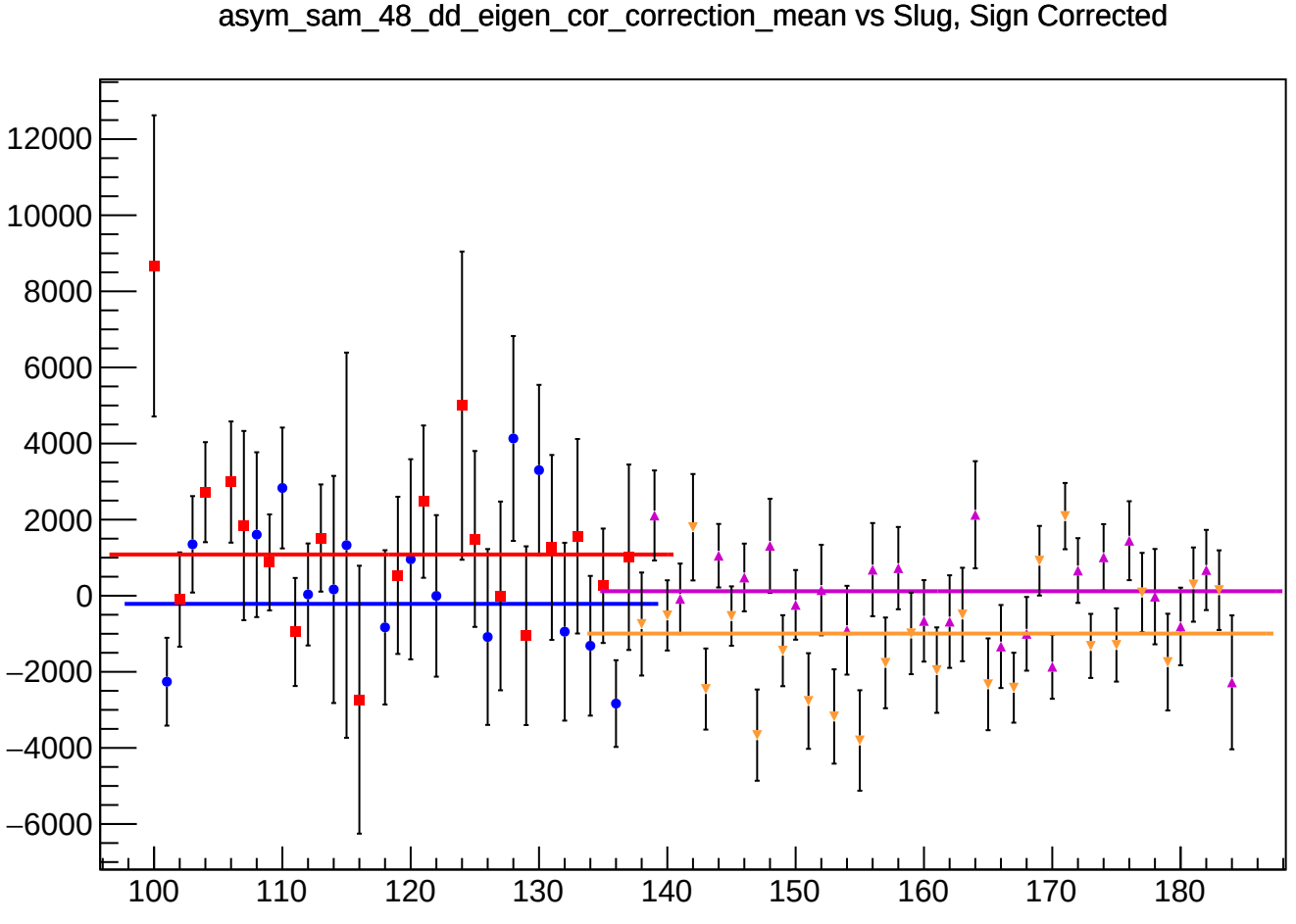
Left: 124.044+/-0.014 χ^2/NDF: 1155694.4/46

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 120.216+/-0.017 χ^2/NDF:979909.9/38

Out: 119.022+/-0.017 χ^2/NDF:1140291.1/42

All: 119.602+/-0.012 χ^2/NDF: 2122729.8/81



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: 118.435+/-217.165 χ^2/NDF:24.4/22

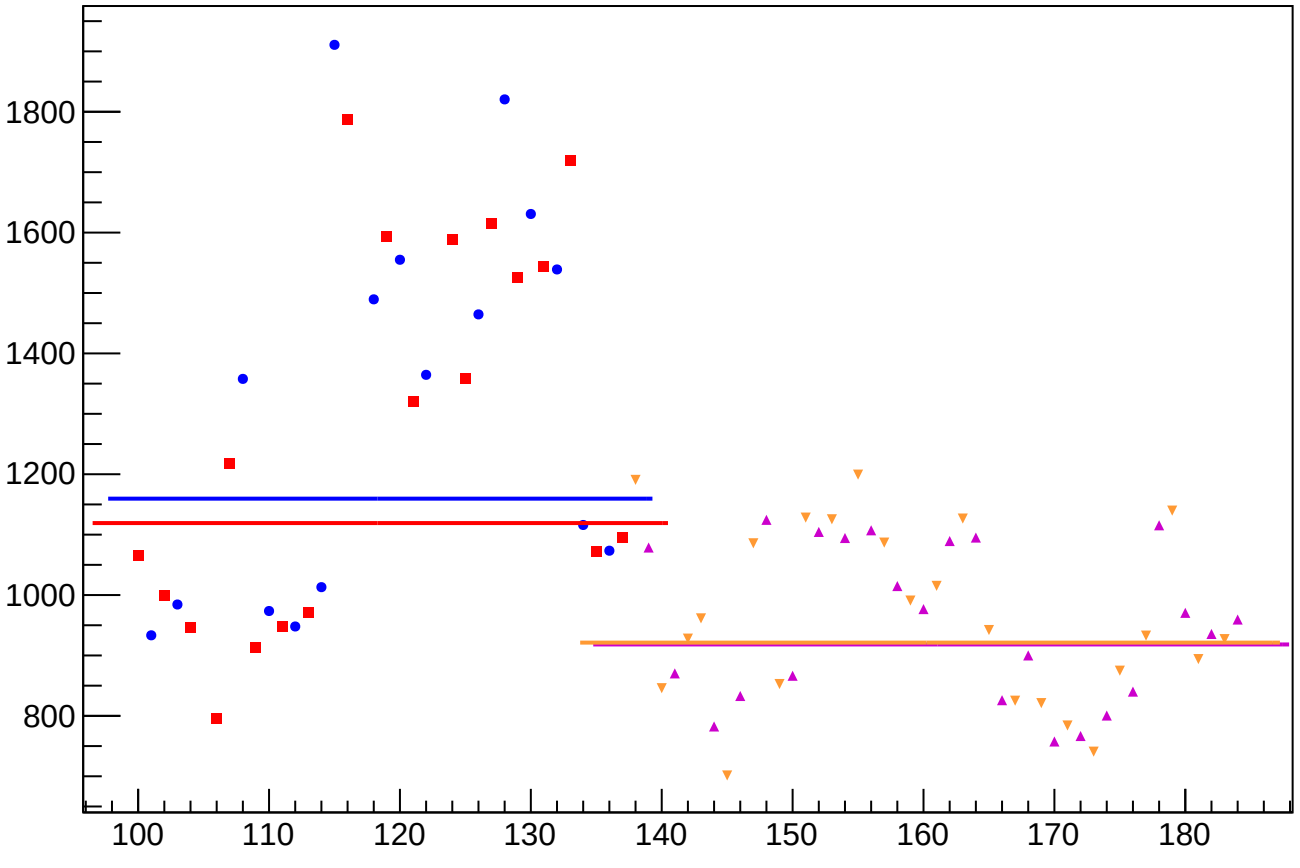
Left: -446.556+/-152.378 χ^2/NDF: 85.5/46

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 54.198+/-195.078 χ^2/NDF:45.3/38

Out: -572.600+/-190.928 χ^2/NDF:80.9/42

All: -265.939+/-136.450 χ^2/NDF: 131.4/81



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: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 919.772+/-0.108 χ^2/NDF: 1536725.9/46

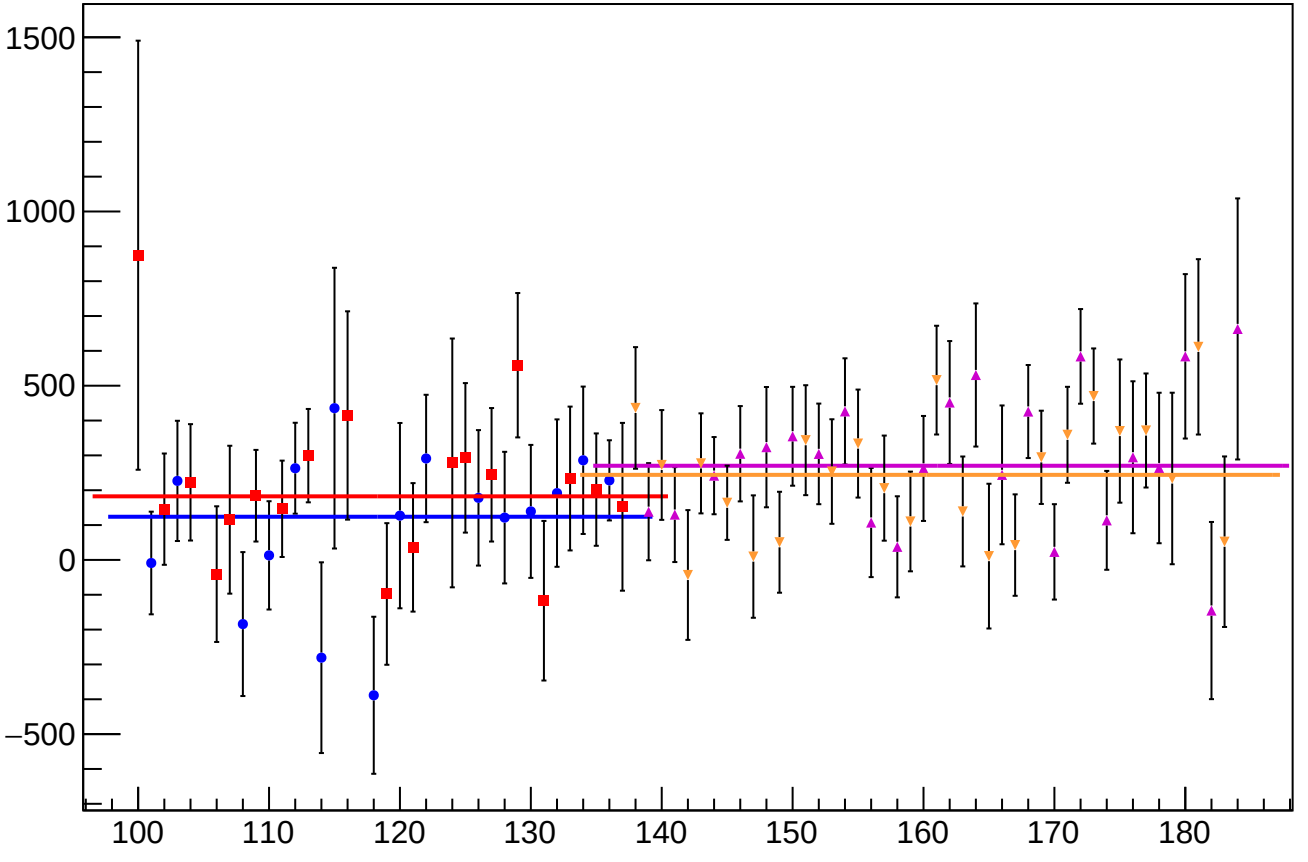
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 964.814+/-0.138 χ^2/NDF:1826911.7/38

Out: 961.449+/-0.135 χ^2/NDF:2020948.8/42

All: 963.095+/-0.096 χ^2/NDF: 3848164.6/81

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: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.922+/-23.028 χ^2/NDF: 50.5/46

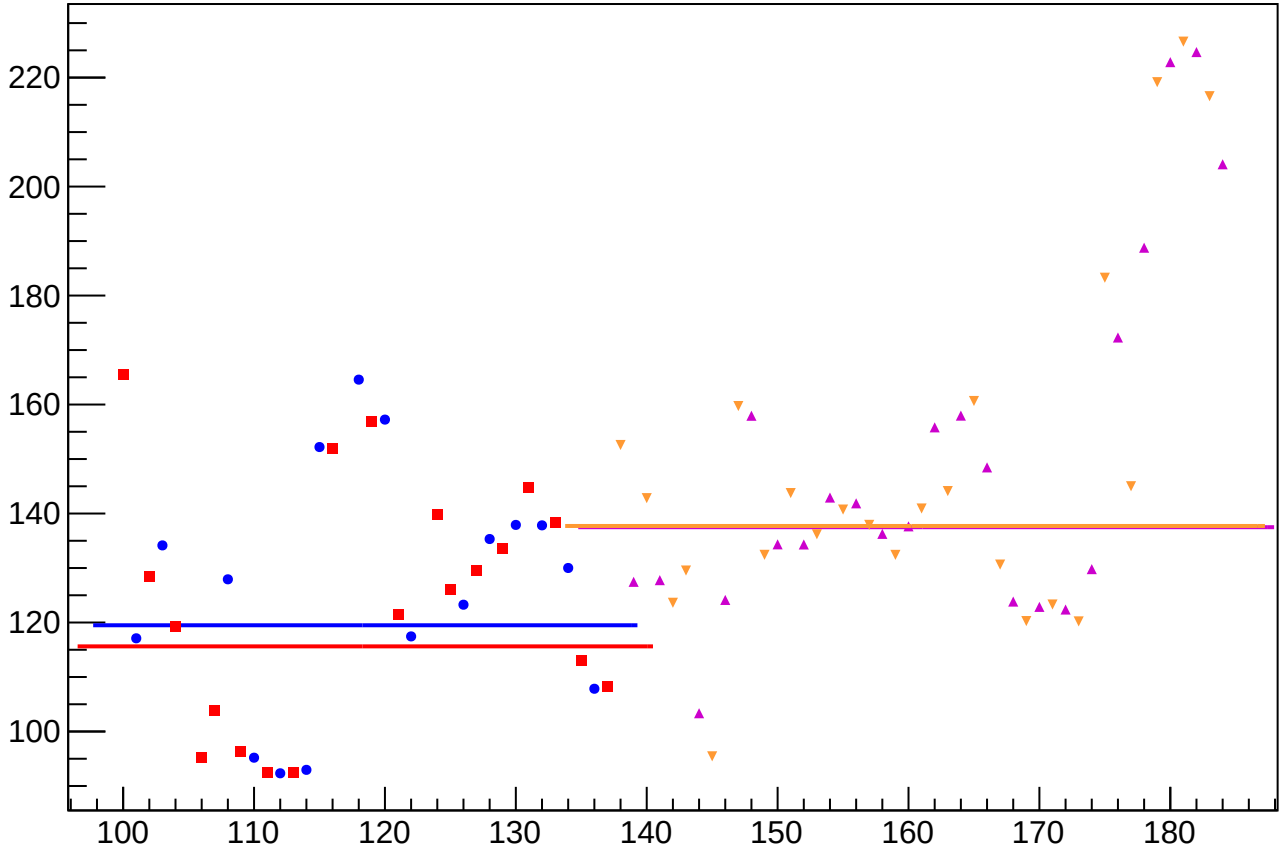
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 219.628+/-26.604 χ^2/NDF:49.0/38

Out: 222.071+/-25.848 χ^2/NDF:37.0/42

All: 220.885+/-18.539 χ^2/NDF: 86.0/81

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: 137.491+/-0.023 χ^2/NDF:1109333.5/22

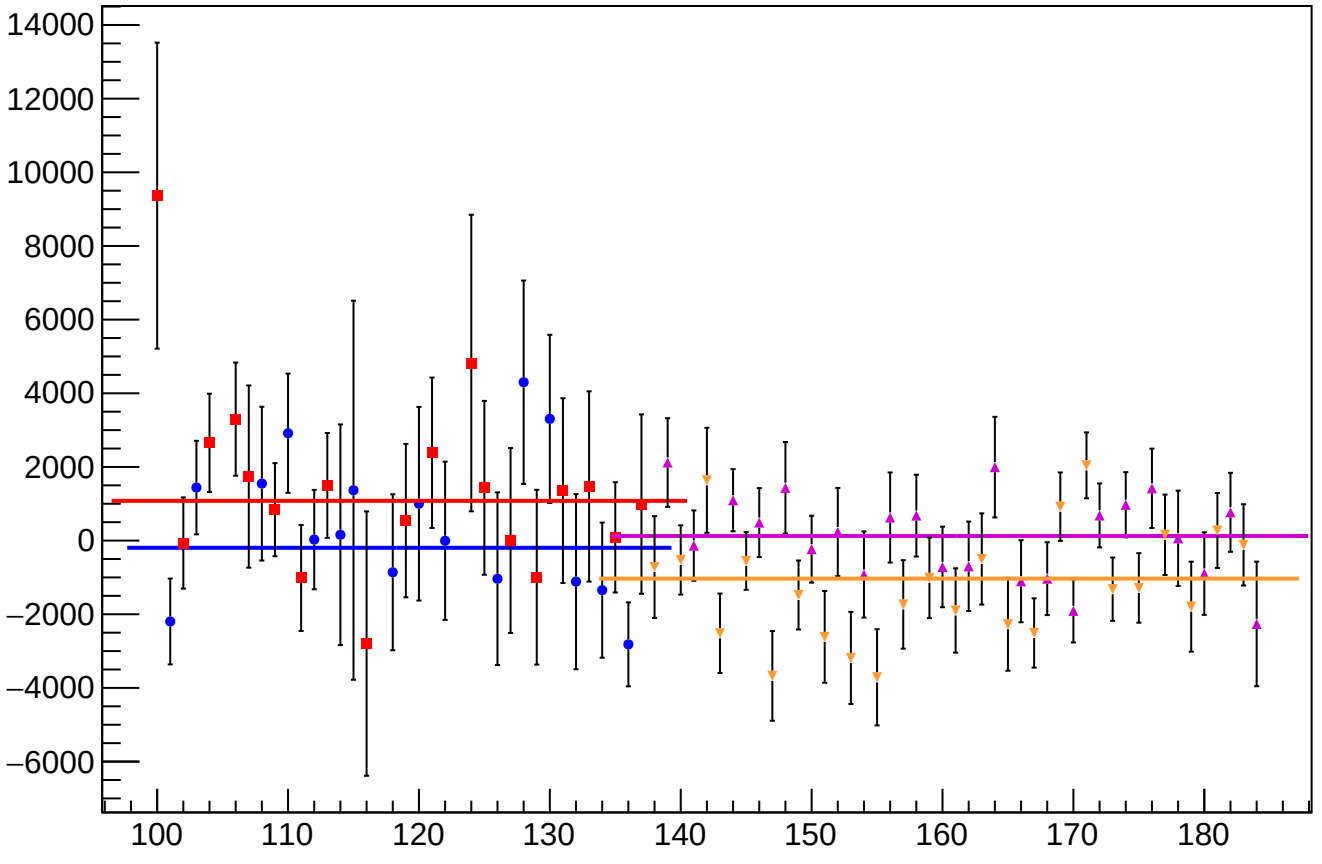
Left: 137.606+/-0.016 χ^2/NDF: 2400335.3/46

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 131.267+/-0.019 χ^2/NDF:1696639.3/38

Out: 129.815+/-0.018 χ^2/NDF:2053619.3/42

All: 130.520+/-0.013 χ^2/NDF: 3753322.2/81



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: 124.857+/-221.367 χ^2/NDF:23.9/22

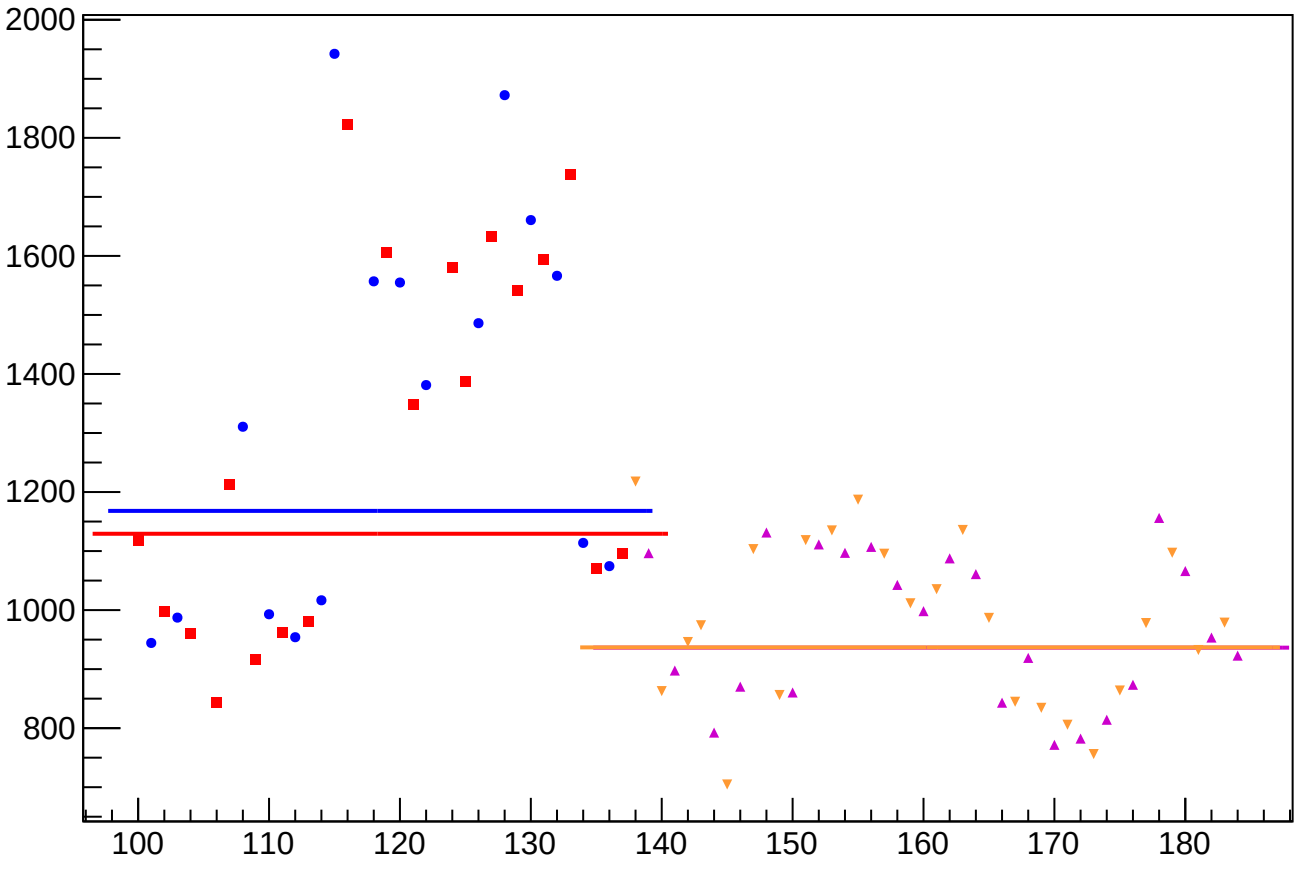
Left: -464.440+/-155.025 χ^2/NDF: 82.4/46

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 61.920+/-198.403 χ^2/NDF:44.7/38

Out: -596.074+/-193.474 χ^2/NDF:78.8/42

All: -275.351+/-138.517 χ^2/NDF: 129.1/81



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: 936.380+/-0.157 χ^2/NDF:642749.3/22

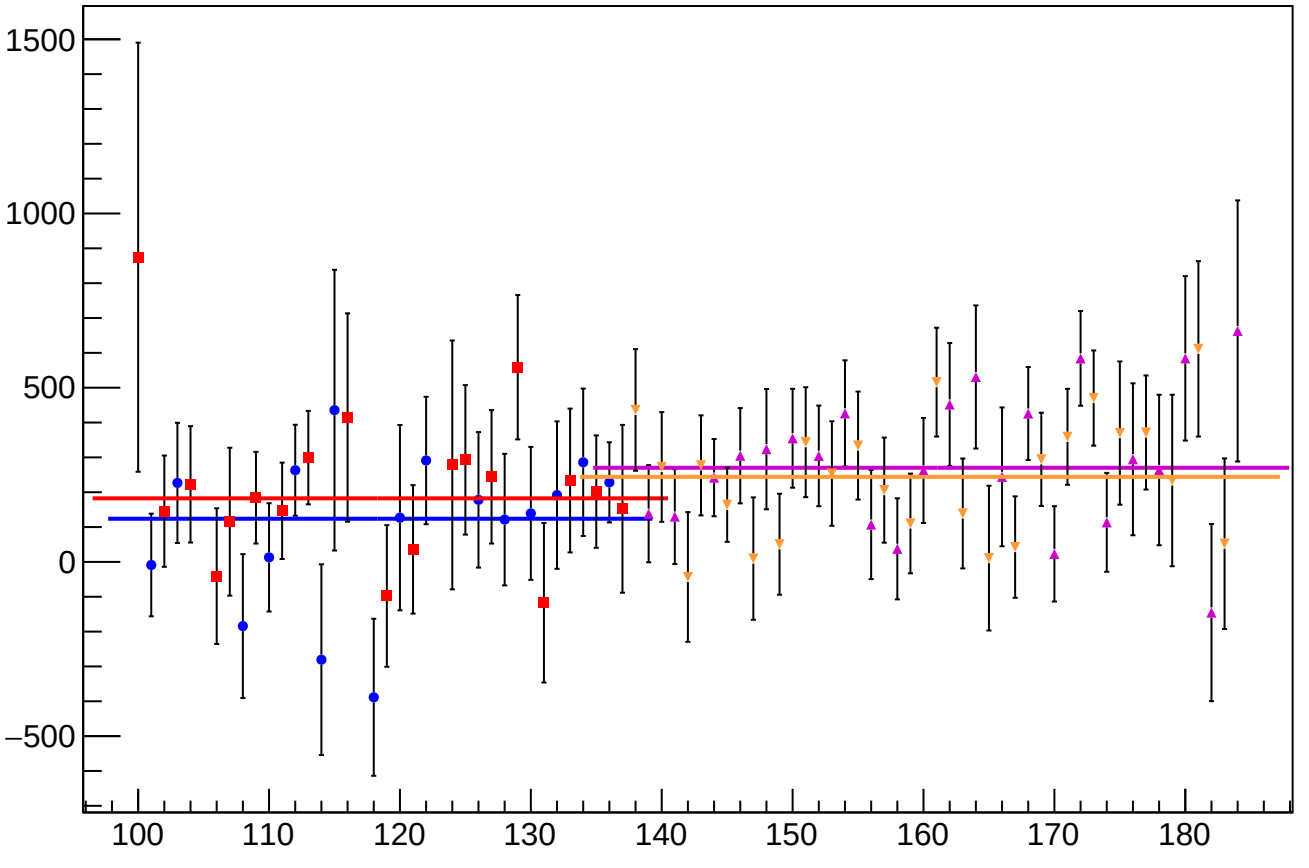
Left: 936.610+/-0.110 χ^2/NDF: 1475179.5/46

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

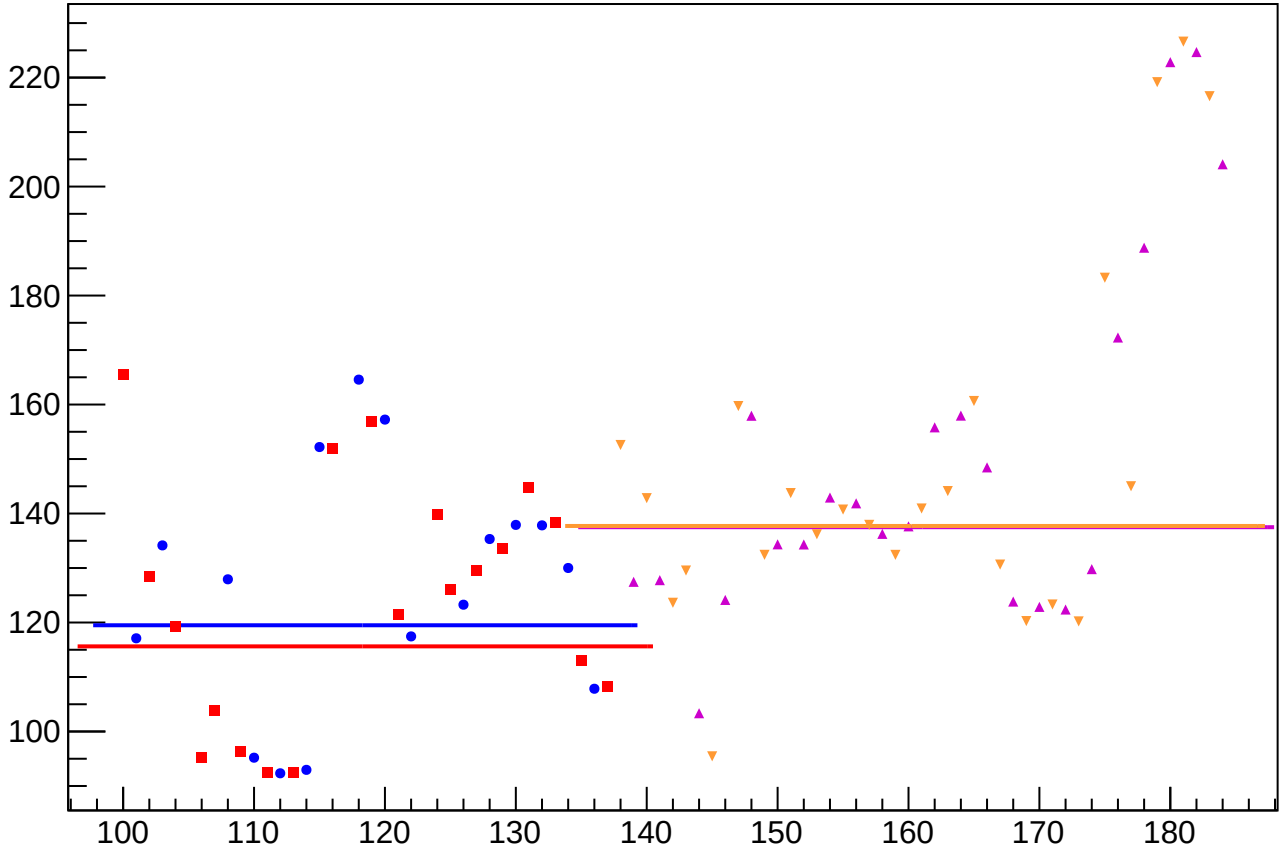
In: 981.955+/-0.140 χ^2/NDF:1783059.7/38

Out: 976.543+/-0.137 χ^2/NDF:1963806.7/42

All: 979.181+/-0.098 χ^2/NDF: 3747629.1/81


eigen_dit_asym_sam_48_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
180
Right In: 123.895+/-45.238 χ²/NDF: 15.4/15
Left Out: 244.119+/-32.249 χ²/NDF:23.4/23
Right Out: 182.468+/-43.224 χ²/NDF: 12.3/18
Left In: 270.244+/-32.893 χ²/NDF:26.7/22
Left: 256.923+/-23.028 χ²/NDF: 50.5/46
Right: 154.514+/-31.252 χ²/NDF: 28.6/34
In: 219.630+/-26.604 χ²/NDF:49.0/38
Out: 222.073+/-25.848 χ²/NDF:37.0/42
All: 220.887+/-18.539 χ²/NDF: 86.0/81

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 137.716+/-0.023 χ^2/NDF:1290959.4/23

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

Left: 137.606+/-0.016 χ^2/NDF: 2400326.9/46

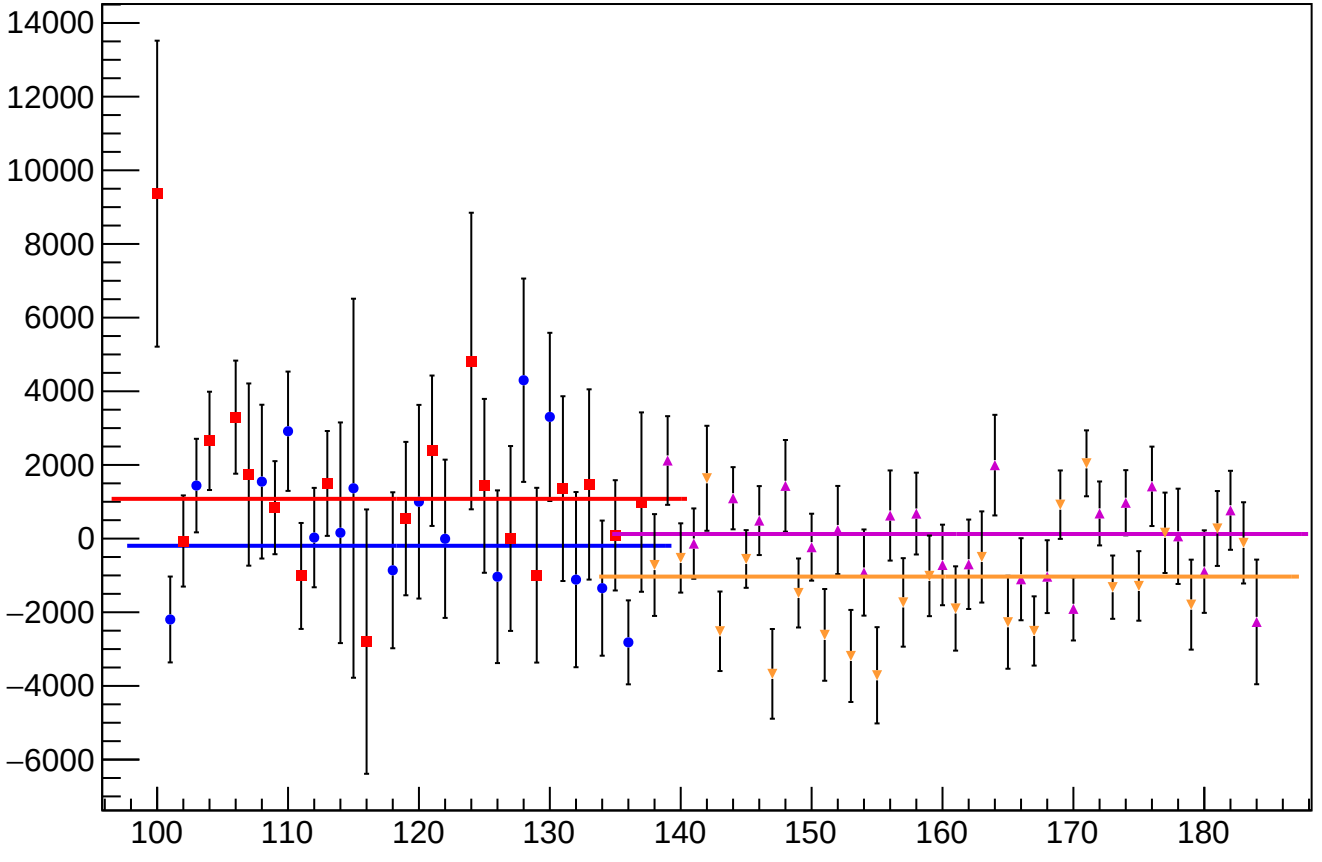
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 131.267+/-0.019 χ^2/NDF:1696628.3/38

Out: 129.815+/-0.018 χ^2/NDF:2053630.9/42

All: 130.520+/-0.013 χ^2/NDF: 3753322.9/81

asym_sam_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1031.599+/-217.169 χ^2/NDF:44.7/23

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

Left: -464.439+/-155.024 χ^2/NDF: 82.4/46

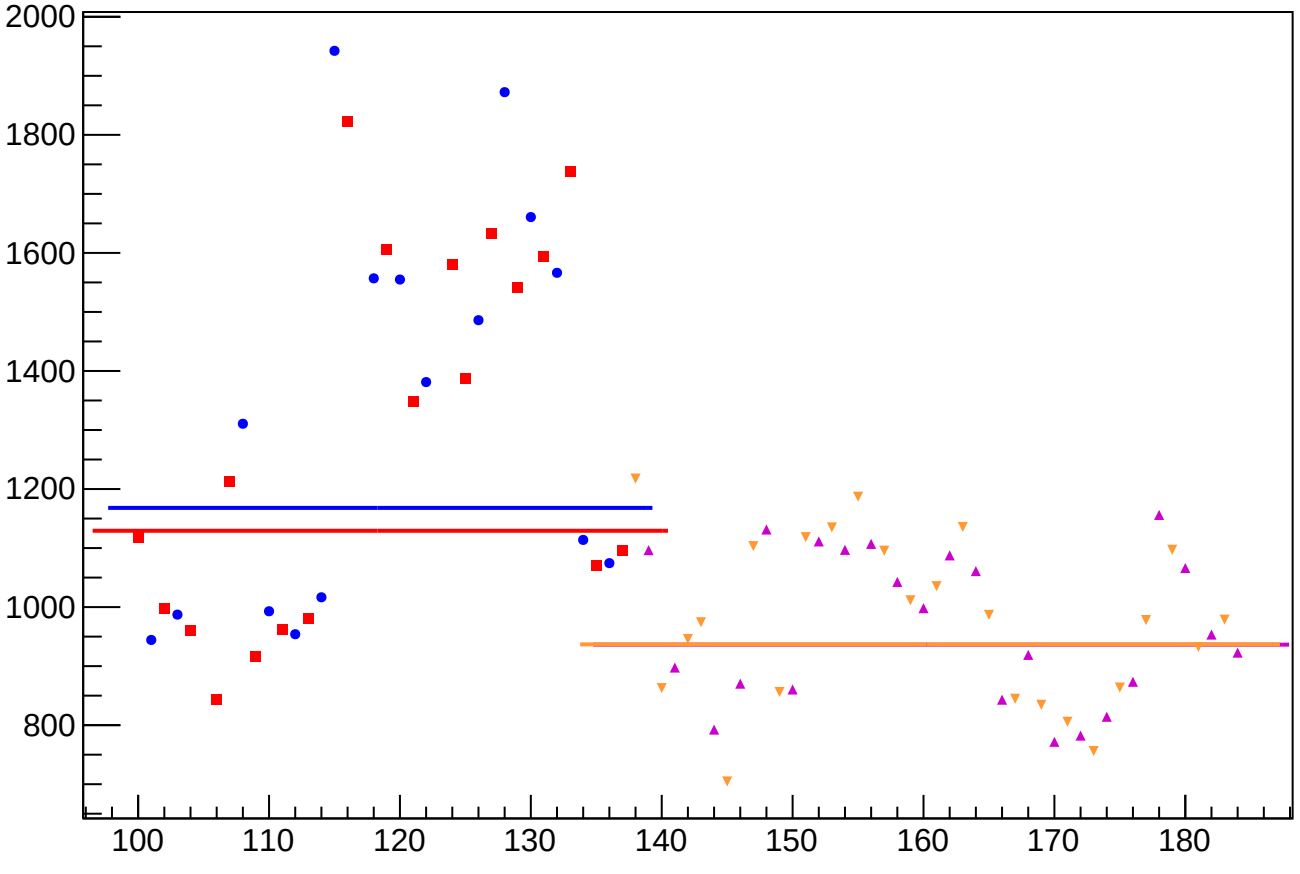
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 61.920+/-198.403 χ^2/NDF:44.7/38

Out: -596.073+/-193.474 χ^2/NDF:78.8/42

All: -275.351+/-138.516 χ^2/NDF: 129.1/81

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: 936.379+/-0.157 χ^2/NDF:642748.0/22

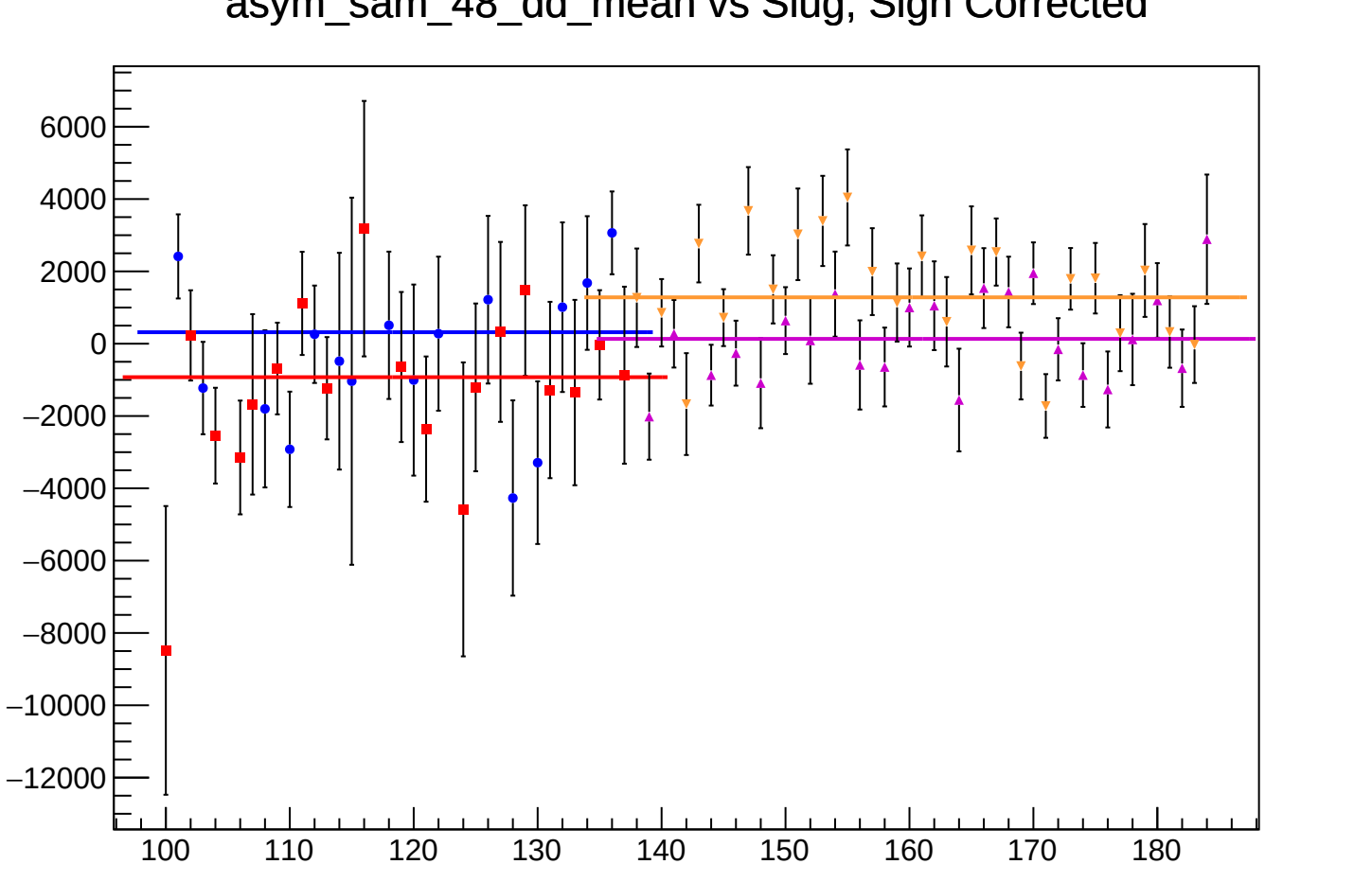
Left: 936.609+/-0.110 χ^2/NDF: 1475180.7/46

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

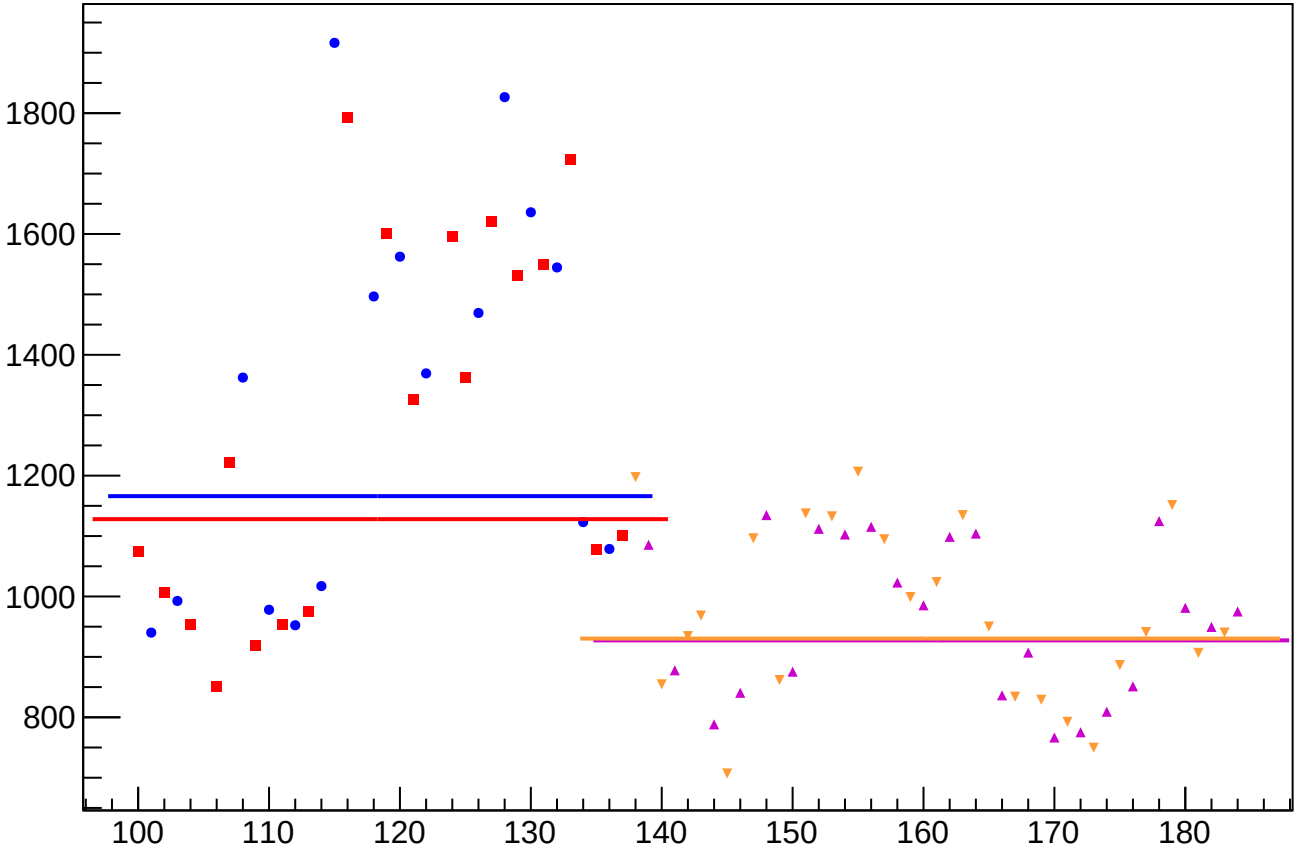
In: 981.954+/-0.140 χ^2/NDF:1783063.4/38

Out: 976.542+/-0.137 χ^2/NDF:1963813.8/42

All: 979.180+/-0.098 χ^2/NDF: 3747640.0/81


asym_sam_48_dd_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: 317.365+/-446.341 χ²/NDF: 22.2/15
Left Out: 1282.053+/-215.923 χ²/NDF:44.9/23
Right Out: -926.036+/-425.405 χ²/NDF: 14.5/18
Left In: 132.834+/-219.278 χ²/NDF:25.8/22
Left: 716.303+/-153.853 χ²/NDF: 84.7/46
Right: -334.180+/-307.942 χ²/NDF: 40.8/34
In: 168.712+/-196.810 χ²/NDF:48.2/38
Out: 829.722+/-192.541 χ²/NDF:80.9/42
All: 506.464+/-137.631 χ²/NDF: 134.8/81

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: 927.321+/-0.155 χ^2/NDF:656539.8/22

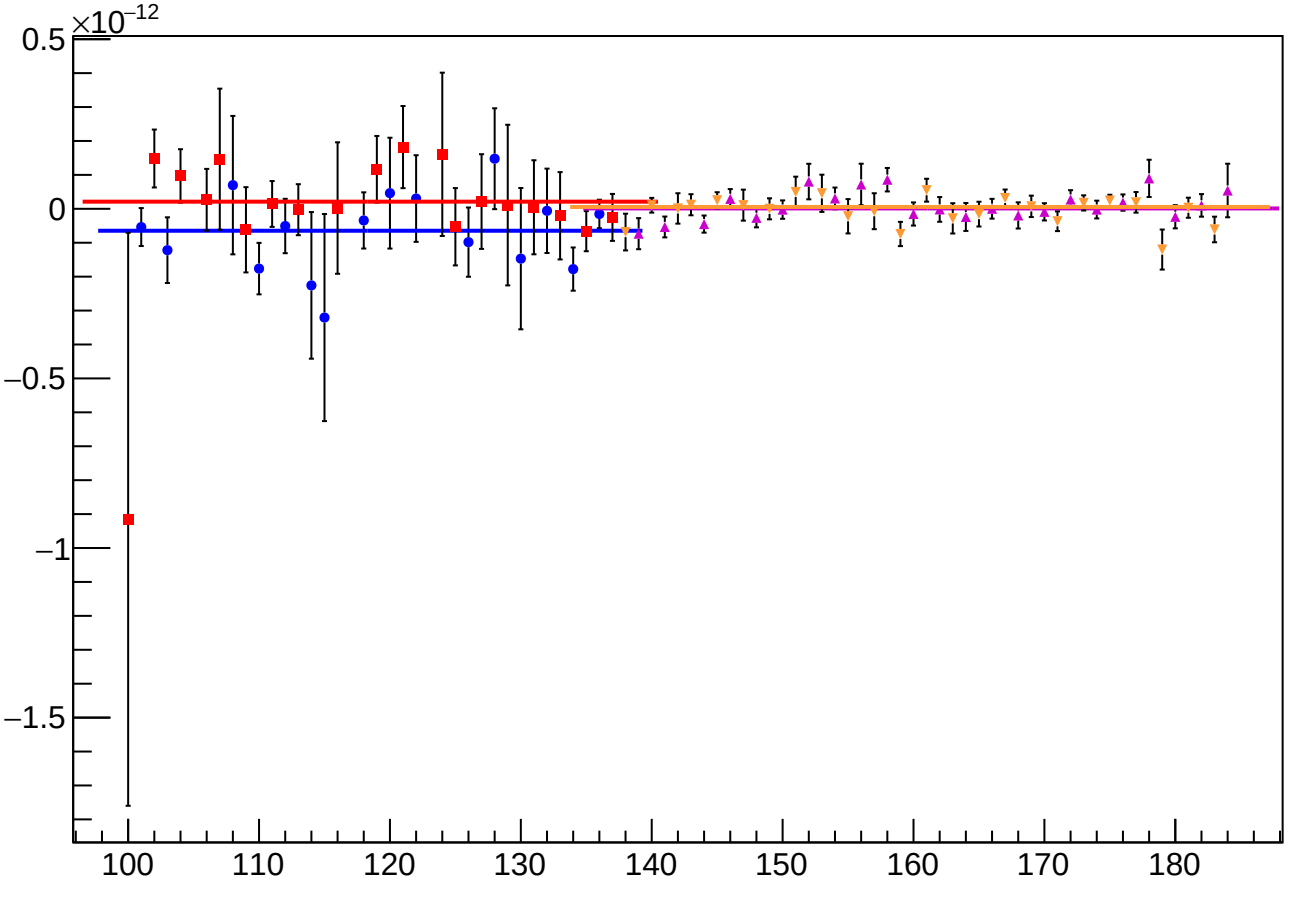
Left: 928.869+/-0.109 χ^2/NDF: 1514818.9/46

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 973.738+/-0.139 χ^2/NDF:1794533.7/38

Out: 970.856+/-0.136 χ^2/NDF:1977099.2/42

All: 972.265+/-0.097 χ^2/NDF: 3771852.1/81



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:27.7/22

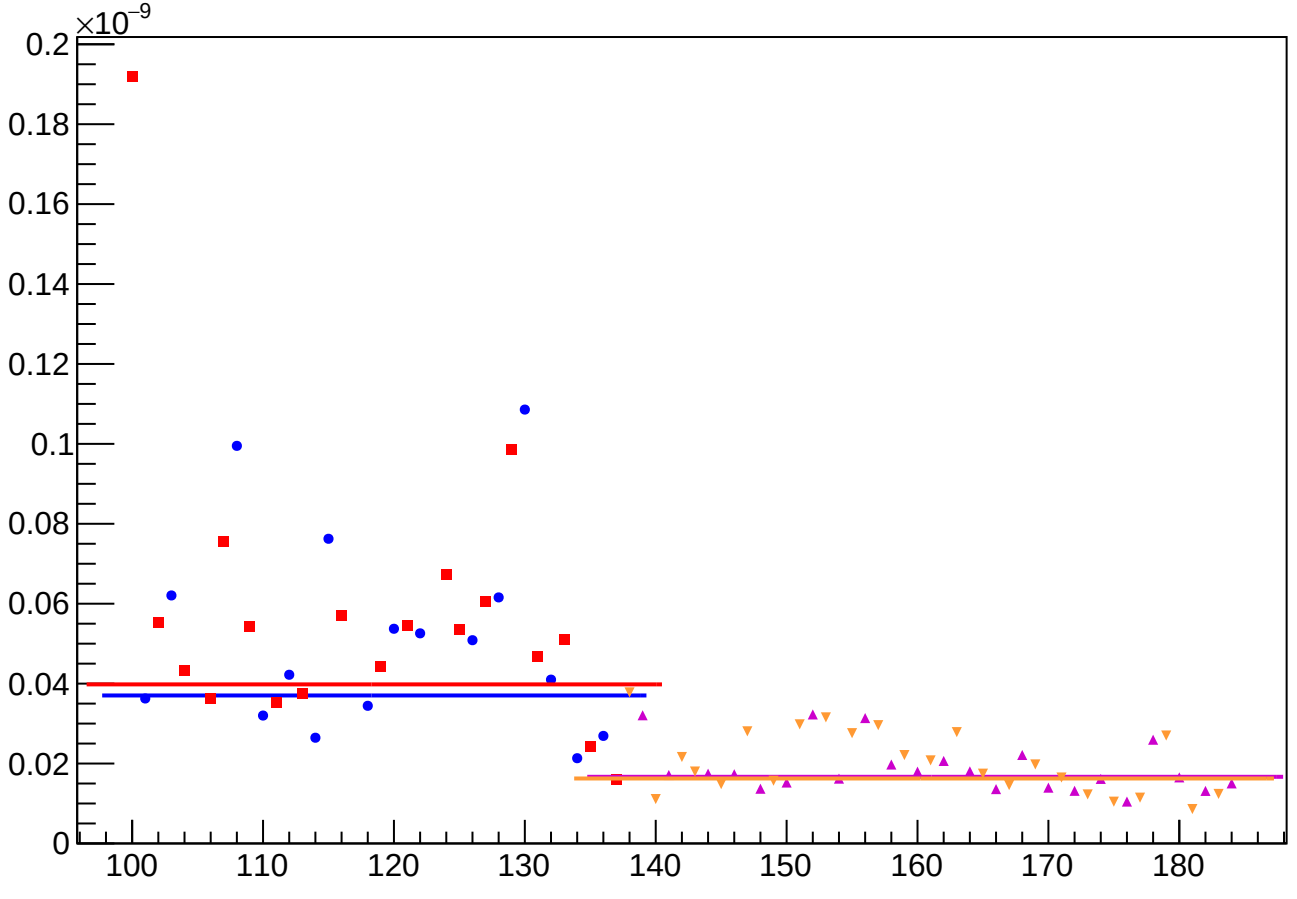
Left: 0.000+/-0.000 χ^2/NDF: 53.0/46

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:48.4/38

Out: 0.000+/-0.000 χ^2/NDF:37.0/42

All: 0.000+/-0.000 χ^2/NDF: 87.0/81



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:928356.7/22

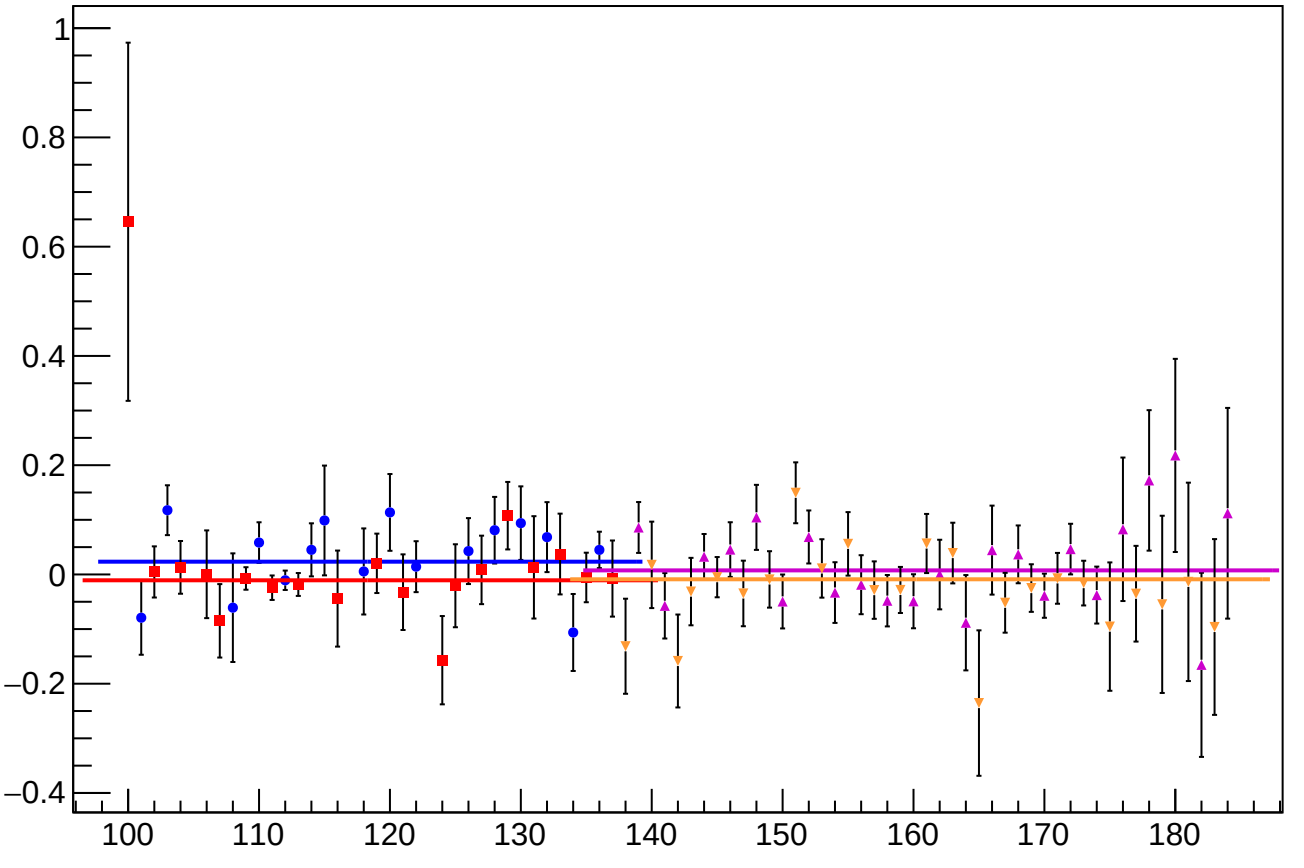
Left: 0.000+/-0.000 χ^2/NDF: 2921056.6/46

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:3509026.2/38

Out: 0.000+/-0.000 χ^2/NDF:4819166.1/42

All: 0.000+/-0.000 χ^2/NDF: 8334783.4/81



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:23.2/22

Left: -0.001+/-0.009 χ^2/NDF: 46.4/46

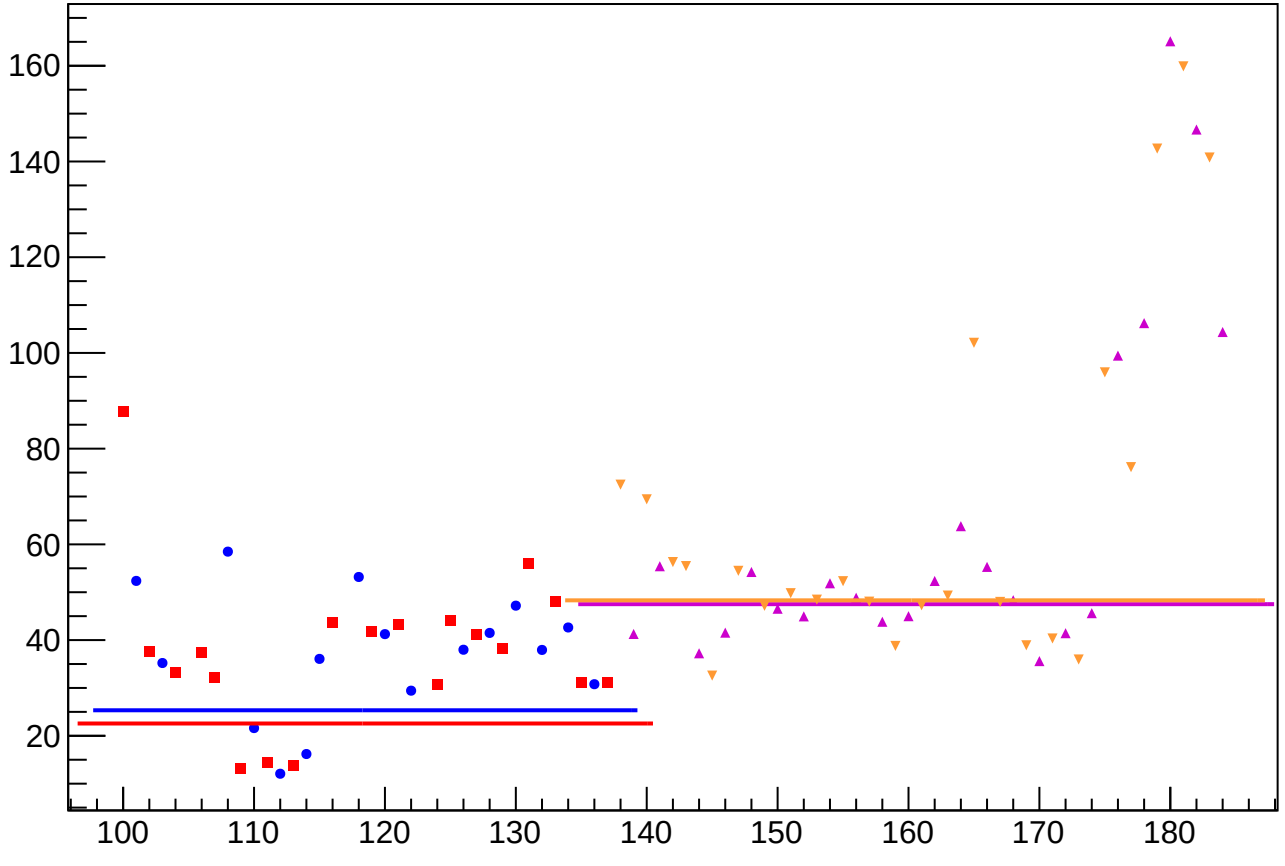
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:44.9/38

Out: -0.010+/-0.008 χ^2/NDF:36.5/42

All: 0.002+/-0.006 χ^2/NDF: 86.9/81

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.306+/-0.008 χ^2/NDF:4127745.1/23

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

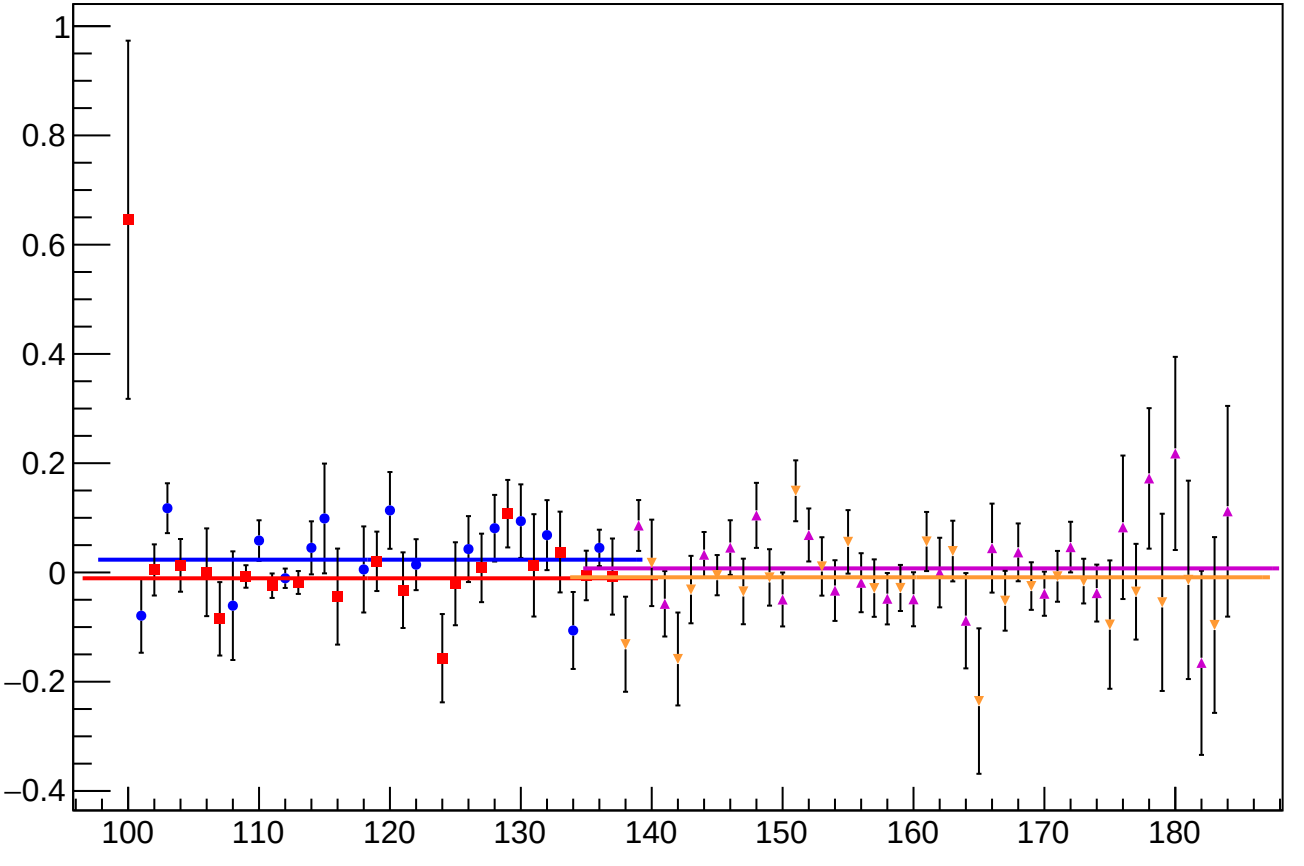
Left: 47.906+/-0.006 χ^2/NDF: 7207343.4/46

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 35.497+/-0.006 χ^2/NDF:9678432.6/38

Out: 32.853+/-0.005 χ^2/NDF:12775528.6/42

All: 34.083+/-0.004 χ^2/NDF: 22566614.2/81



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:23.2/22

Left: -0.001+/-0.009 χ^2/NDF: 46.4/46

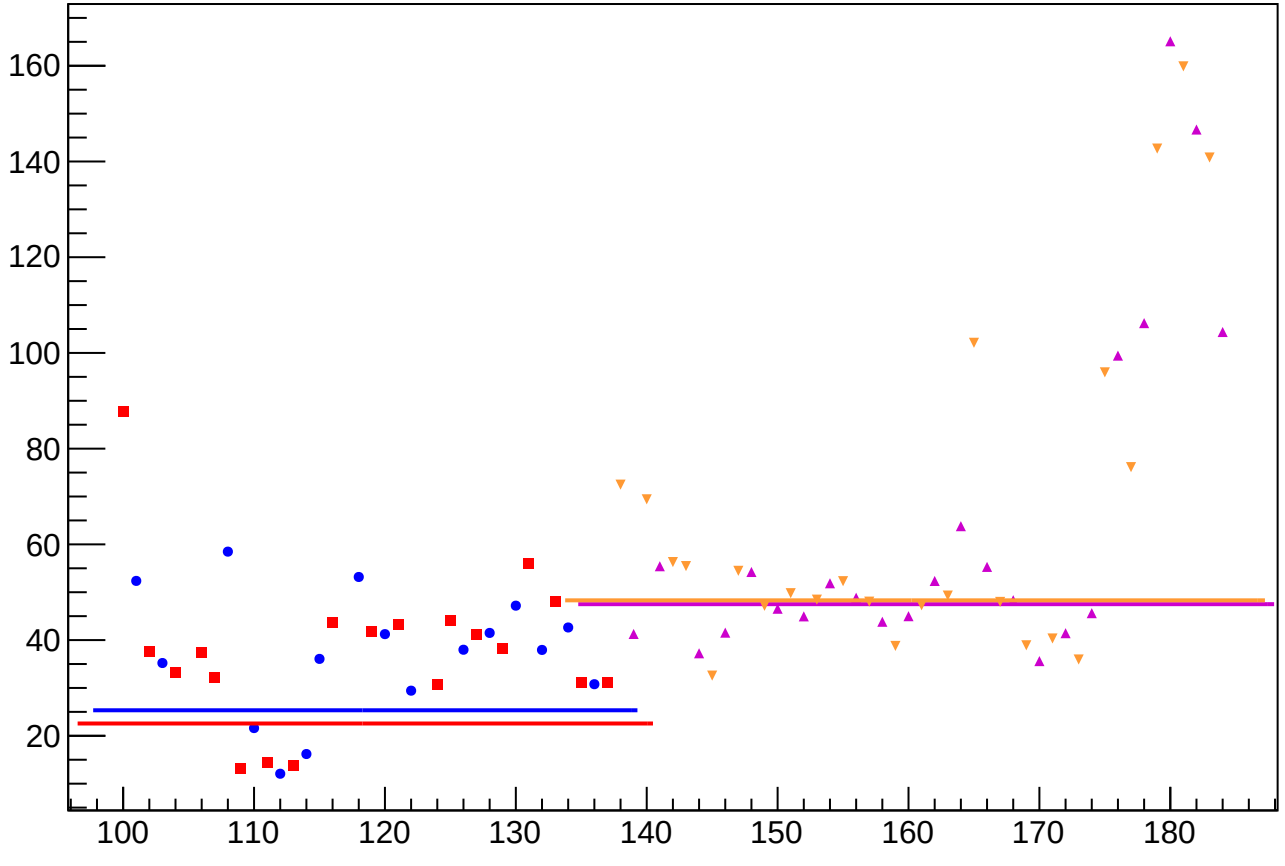
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:44.9/38

Out: -0.010+/-0.008 χ^2/NDF:36.5/42

All: 0.002+/-0.006 χ^2/NDF: 86.9/81

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.306+/-0.008 χ^2/NDF:4127745.1/23

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

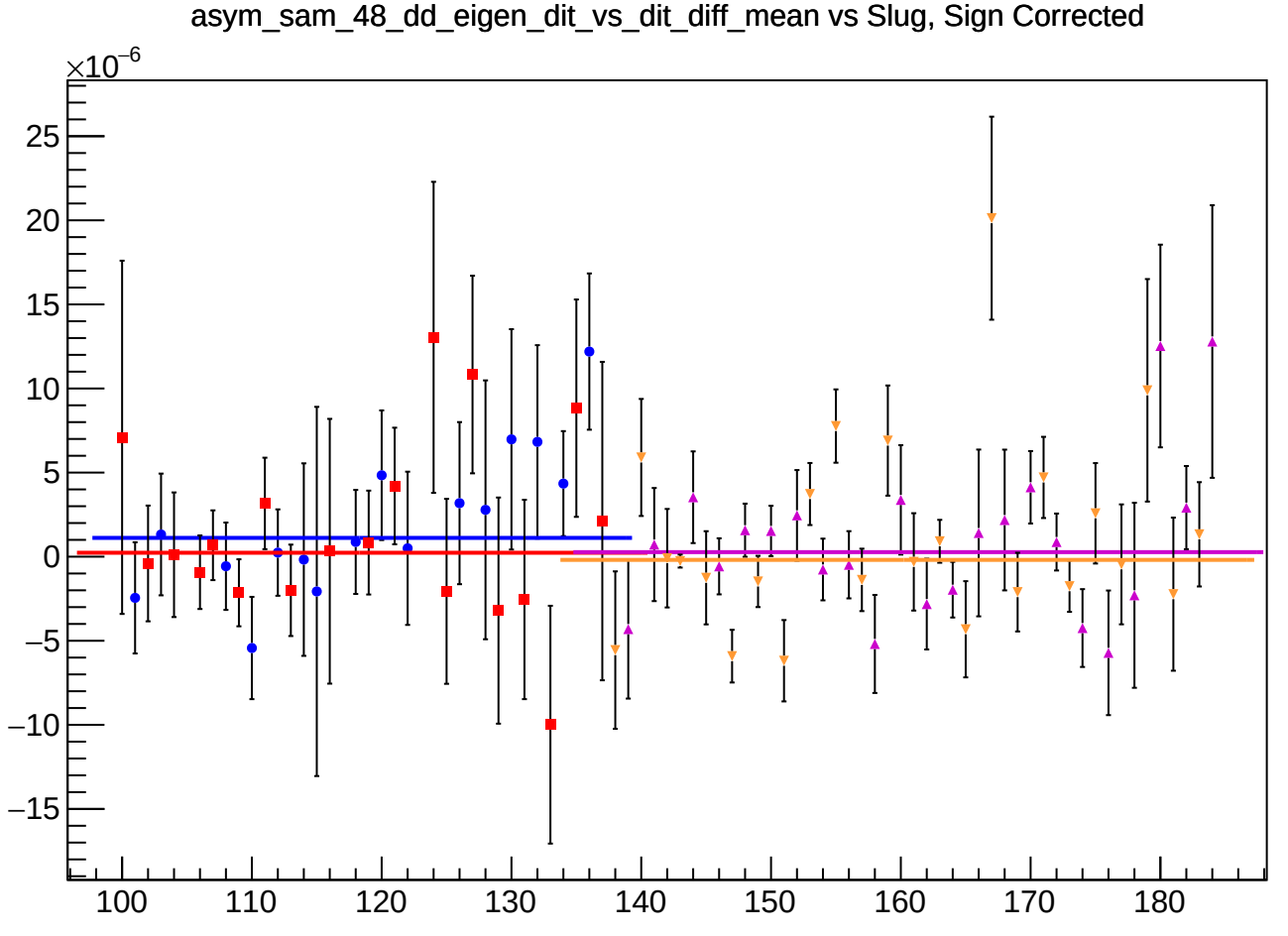
Left: 47.906+/-0.006 χ^2/NDF: 7207343.4/46

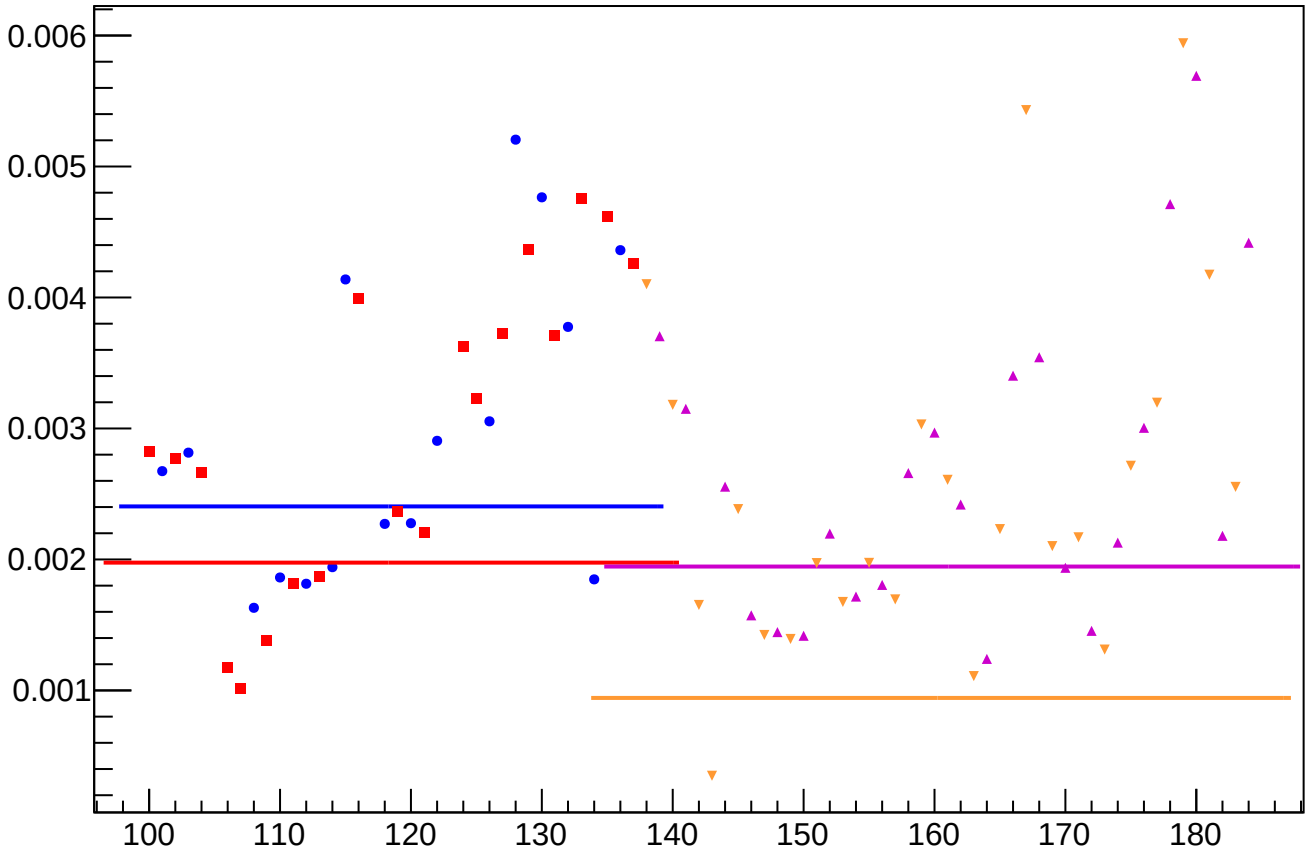
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 35.497+/-0.006 χ^2/NDF:9678432.6/38

Out: 32.853+/-0.005 χ^2/NDF:12775528.6/42

All: 34.083+/-0.004 χ^2/NDF: 22566614.2/81


asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻⁶
25
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 16.2/15
Left Out: -0.000+/-0.000 χ²/NDF:71.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 15.1/18
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: -0.000+/-0.000 χ²/NDF: 102.9/46
Right: 0.000+/-0.000 χ²/NDF: 31.8/34
In: 0.000+/-0.000 χ²/NDF:47.7/38
Out: -0.000+/-0.000 χ²/NDF:86.7/42
All: 0.000+/-0.000 χ²/NDF: 135.7/81



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:4362371.5/22

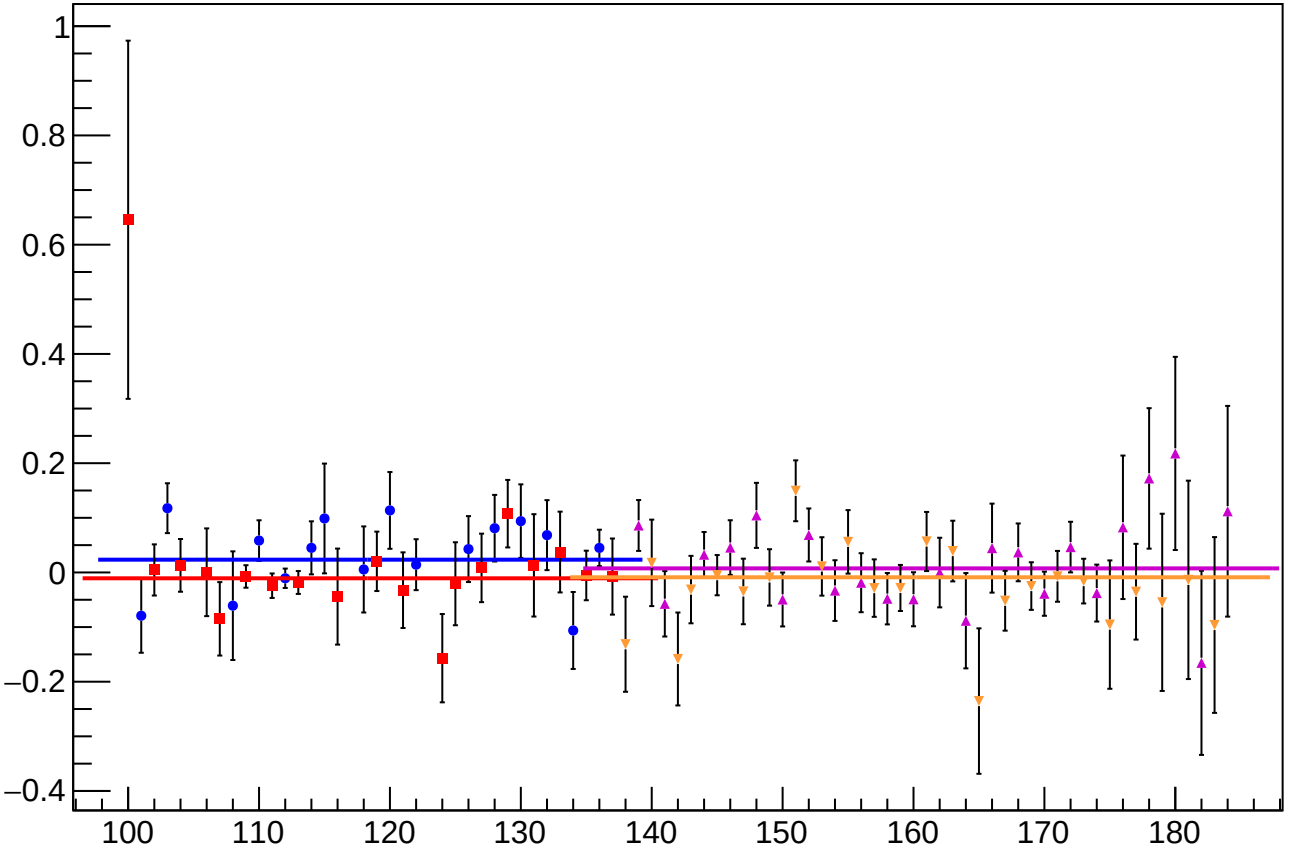
Left: 0.001+/-0.000 χ^2/NDF: 27609505.9/46

Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:6298294.7/38

Out: 0.001+/-0.000 χ^2/NDF:22904644.2/42

All: 0.001+/-0.000 χ^2/NDF: 36154585.9/81



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:23.2/22

Left: -0.001+/-0.009 χ^2/NDF: 46.4/46

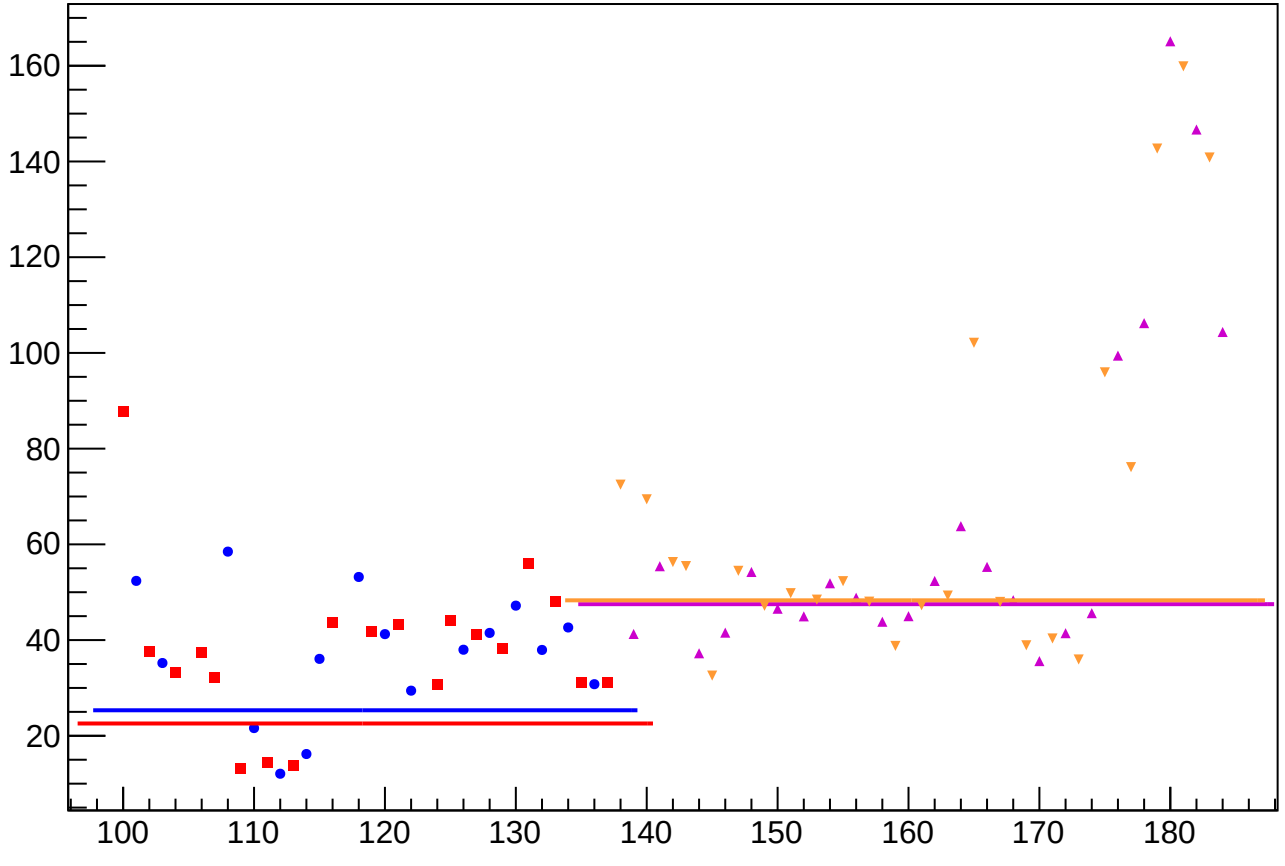
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:44.9/38

Out: -0.010+/-0.008 χ^2/NDF:36.5/42

All: 0.002+/-0.006 χ^2/NDF: 86.9/81

asym_sam_48_dd_eigen_dit_vs_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: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.906+/-0.006 χ^2/NDF: 7207265.5/46

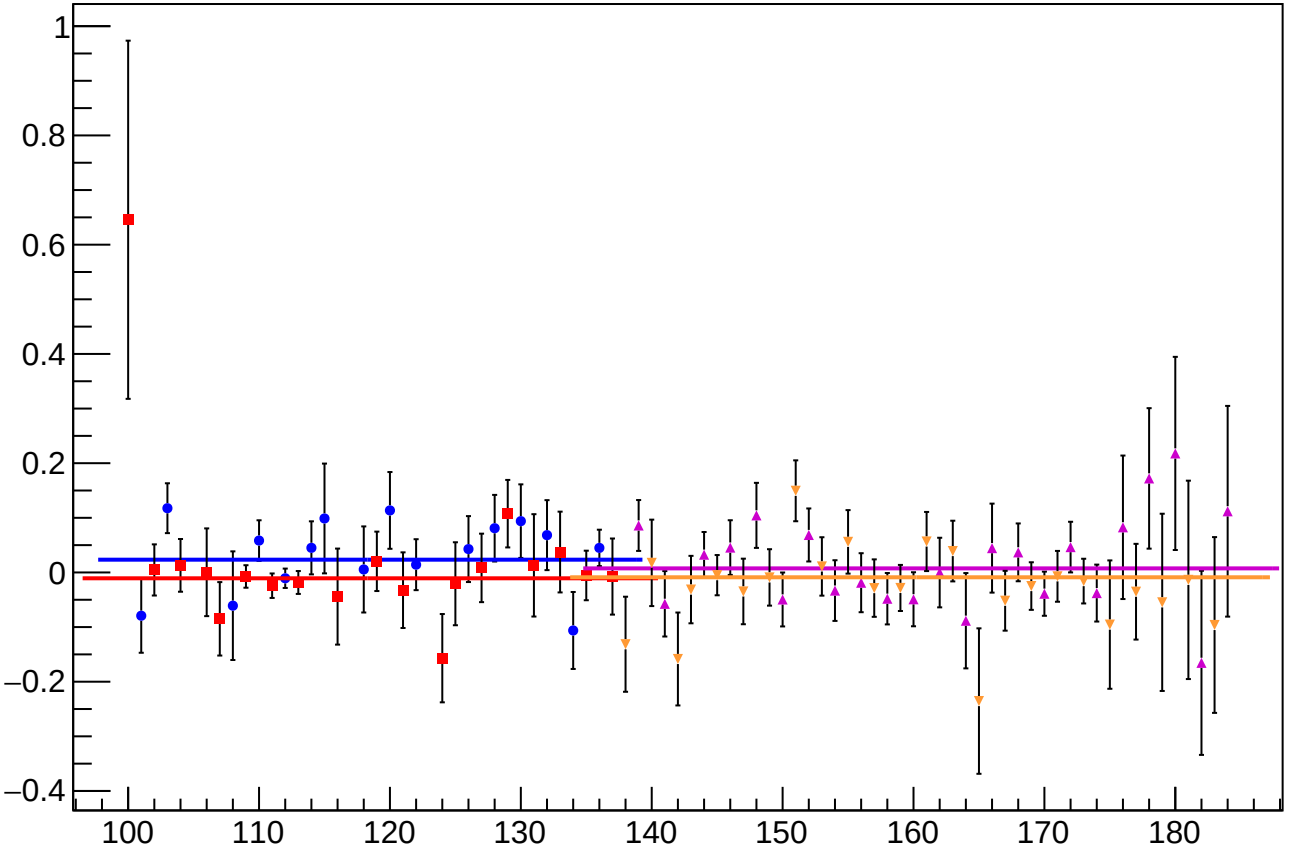
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 35.496+/-0.006 χ^2/NDF:9679414.5/38

Out: 32.853+/-0.005 χ^2/NDF:12775889.8/42

All: 34.082+/-0.004 χ^2/NDF: 22567896.4/81

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:23.2/22

Left: -0.001+/-0.009 χ^2/NDF: 46.4/46

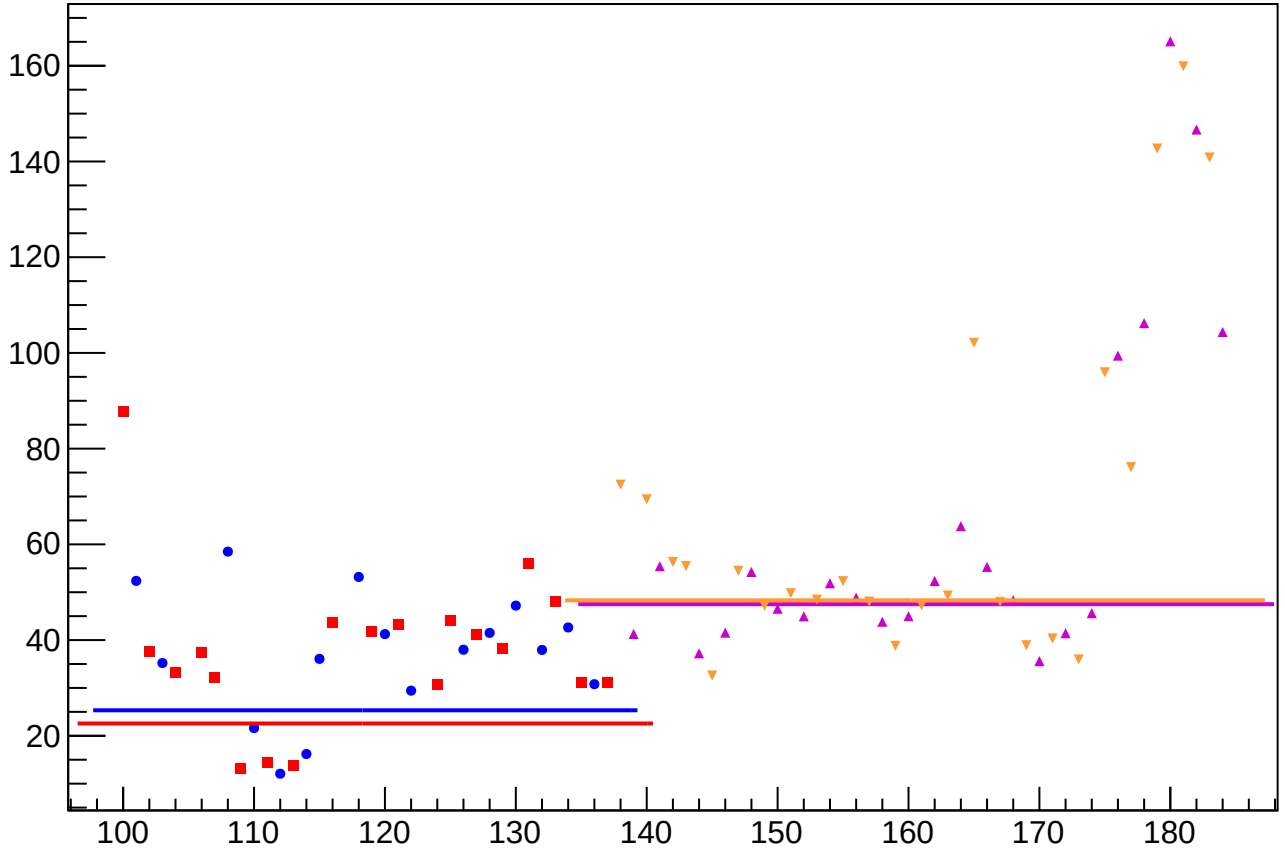
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:44.9/38

Out: -0.010+/-0.008 χ^2/NDF:36.5/42

All: 0.002+/-0.006 χ^2/NDF: 86.9/81

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: 47.505+/-0.009 χ^2/NDF:3075116.0/22

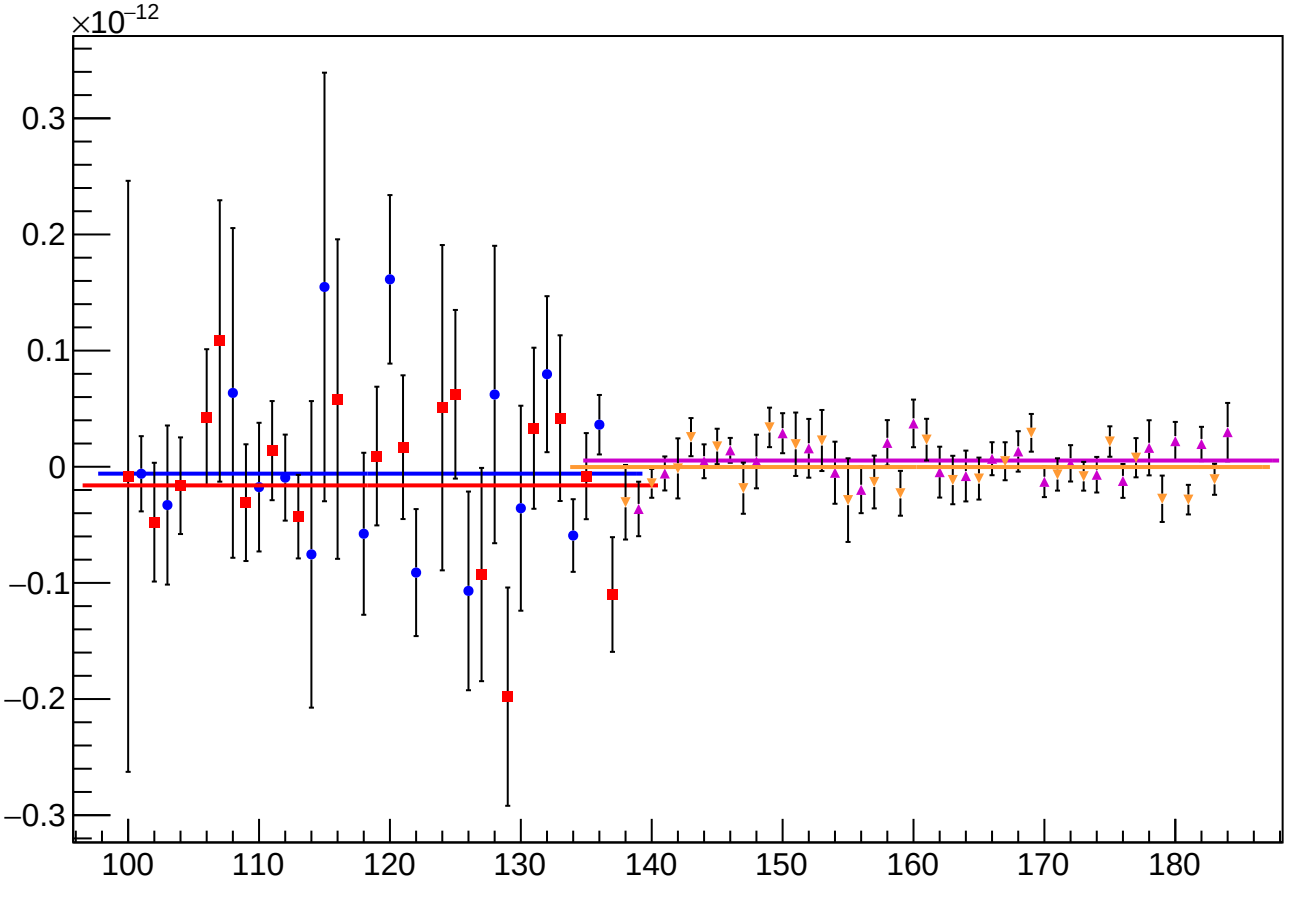
Left: 47.906+/-0.006 χ^2/NDF: 7207265.5/46

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 35.496+/-0.006 χ^2/NDF:9679414.5/38

Out: 32.853+/-0.005 χ^2/NDF:12775889.8/42

All: 34.082+/-0.004 χ^2/NDF: 22567896.4/81



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:19.1/22

Left: 0.000+/-0.000 χ^2/NDF: 51.4/46

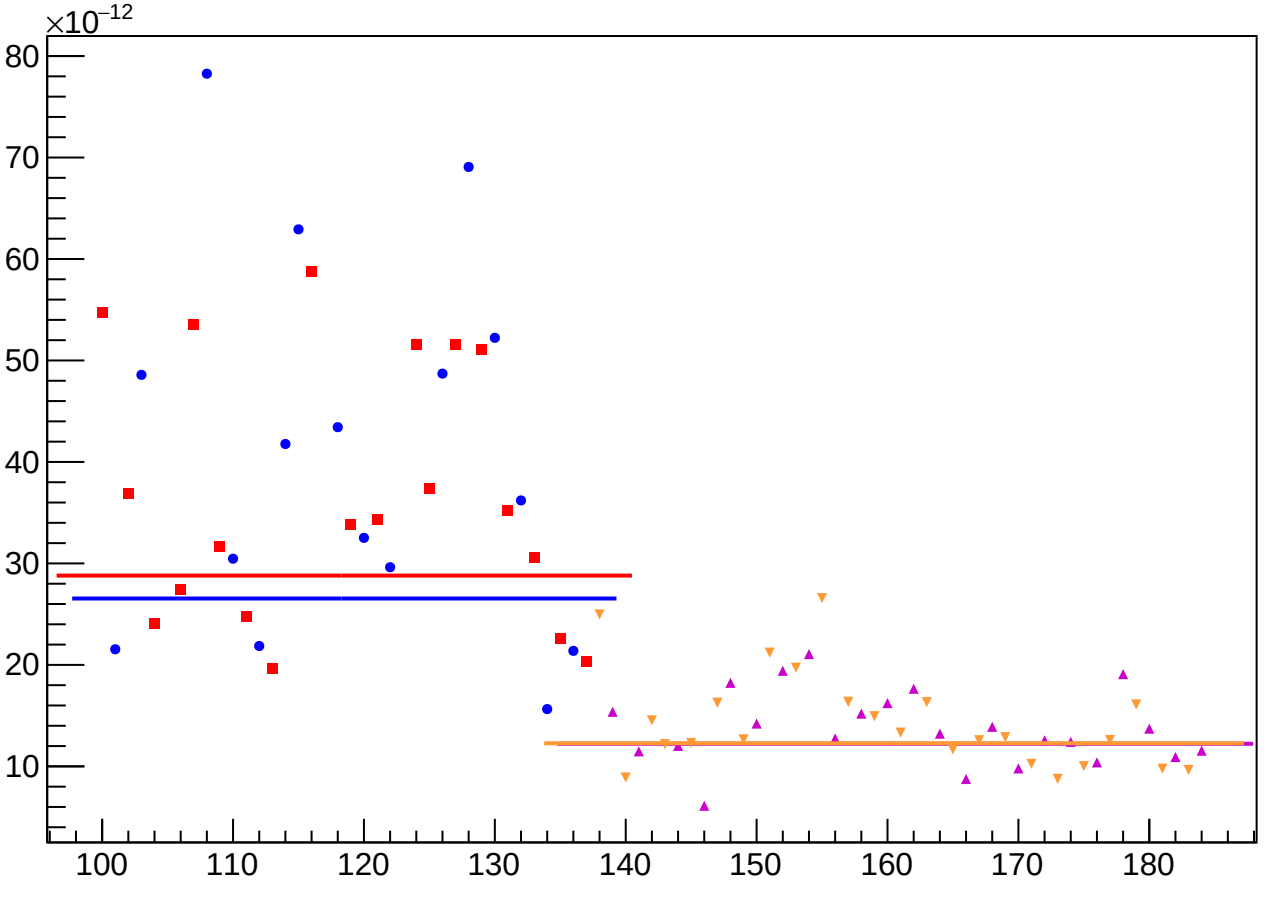
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:38.7/38

Out: -0.000+/-0.000 χ^2/NDF:47.3/42

All: 0.000+/-0.000 χ^2/NDF: 87.4/81

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1915078.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

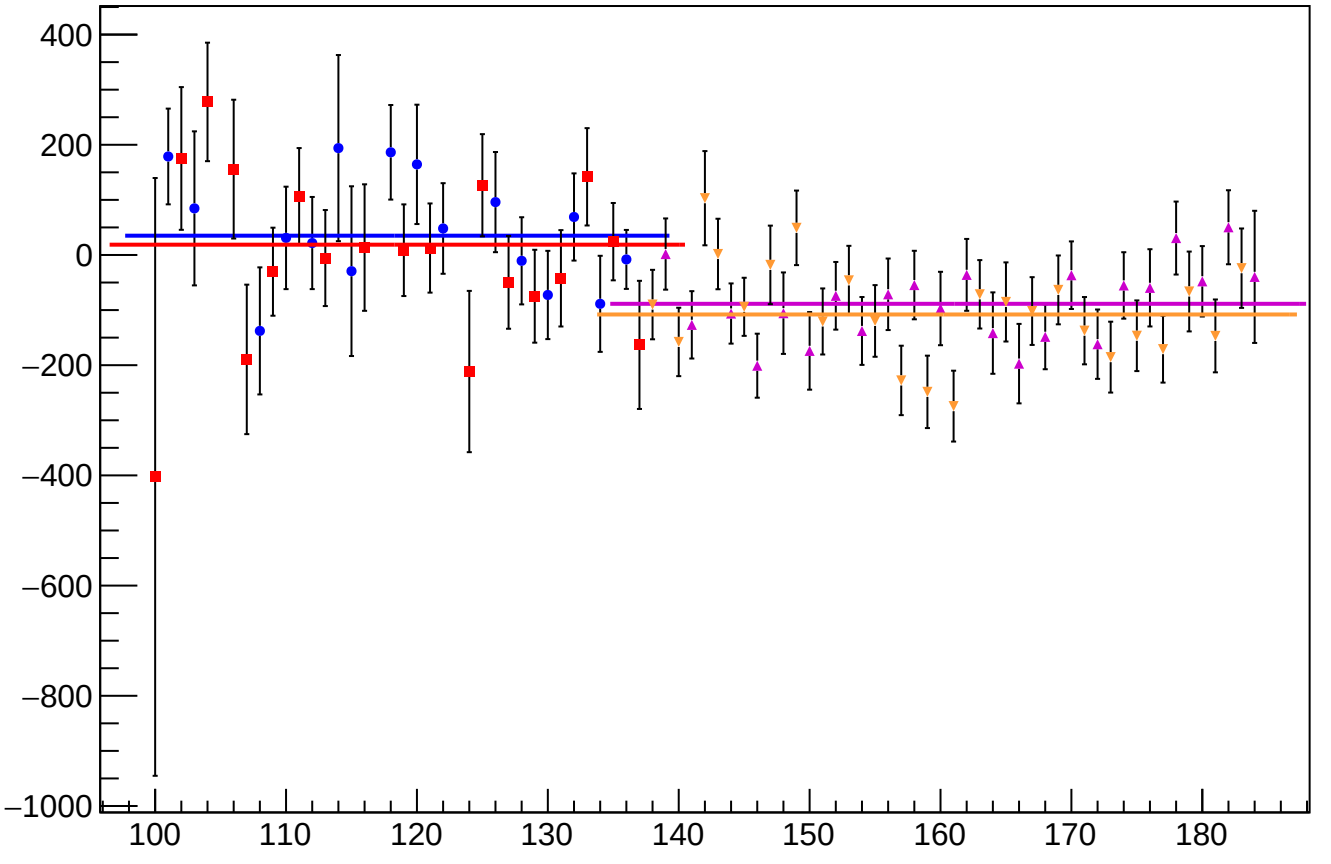
Left: 0.000+/-0.000 χ^2/NDF: 3841128.8/46

Right: 0.000+/-0.000 χ^2/NDF: 2634482.2/34

In: 0.000+/-0.000 χ^2/NDF:5968251.7/38

Out: 0.000+/-0.000 χ^2/NDF:5715970.9/42

All: 0.000+/-0.000 χ^2/NDF: 11684665.7/81



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: -88.619+/-13.566 χ^2/NDF:23.9/22

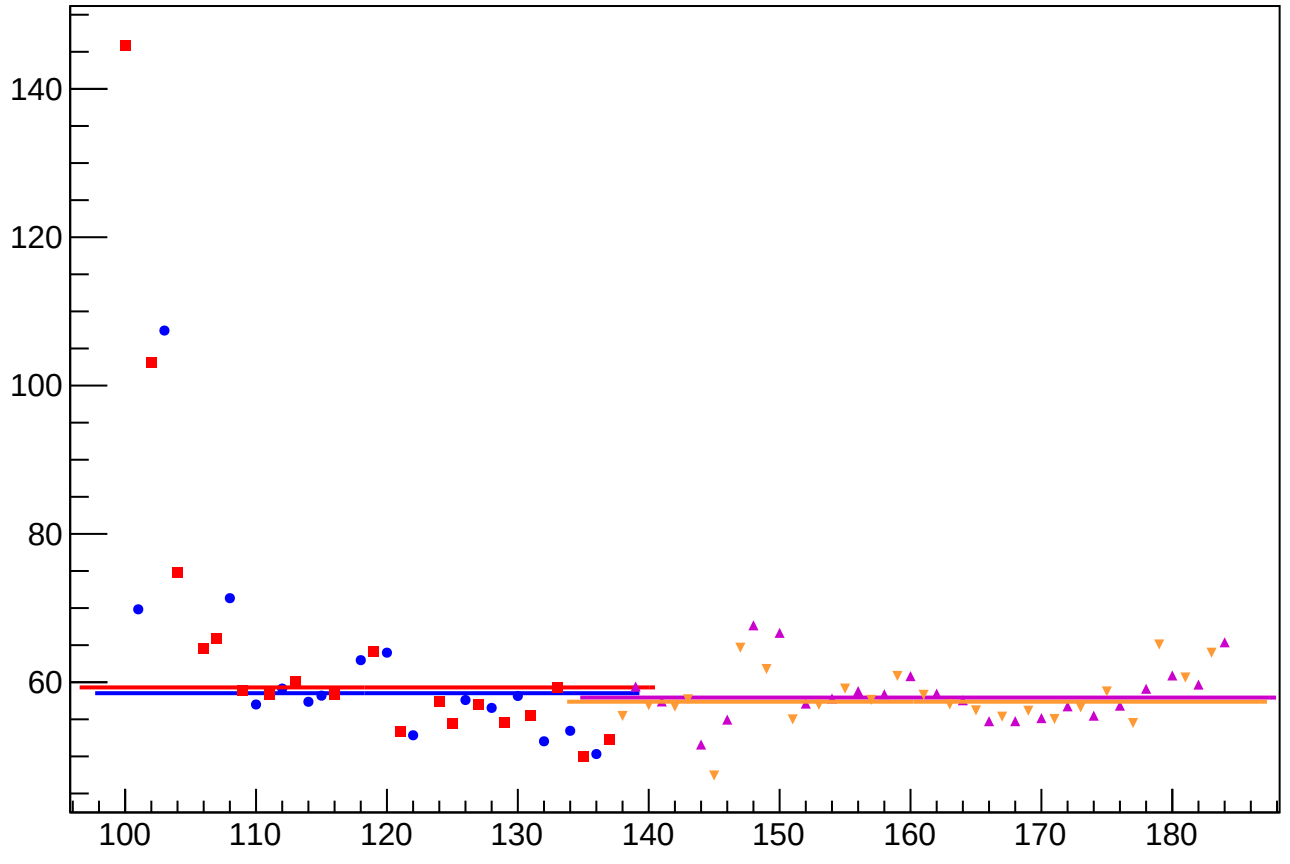
Left: -98.584+/-9.447 χ^2/NDF: 63.8/46

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -54.857+/-11.567 χ^2/NDF:62.8/38

Out: -74.883+/-11.313 χ^2/NDF:86.6/42

All: -65.092+/-8.088 χ^2/NDF: 150.9/81



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: 57.933+/-0.010 χ^2/NDF:135903.0/22

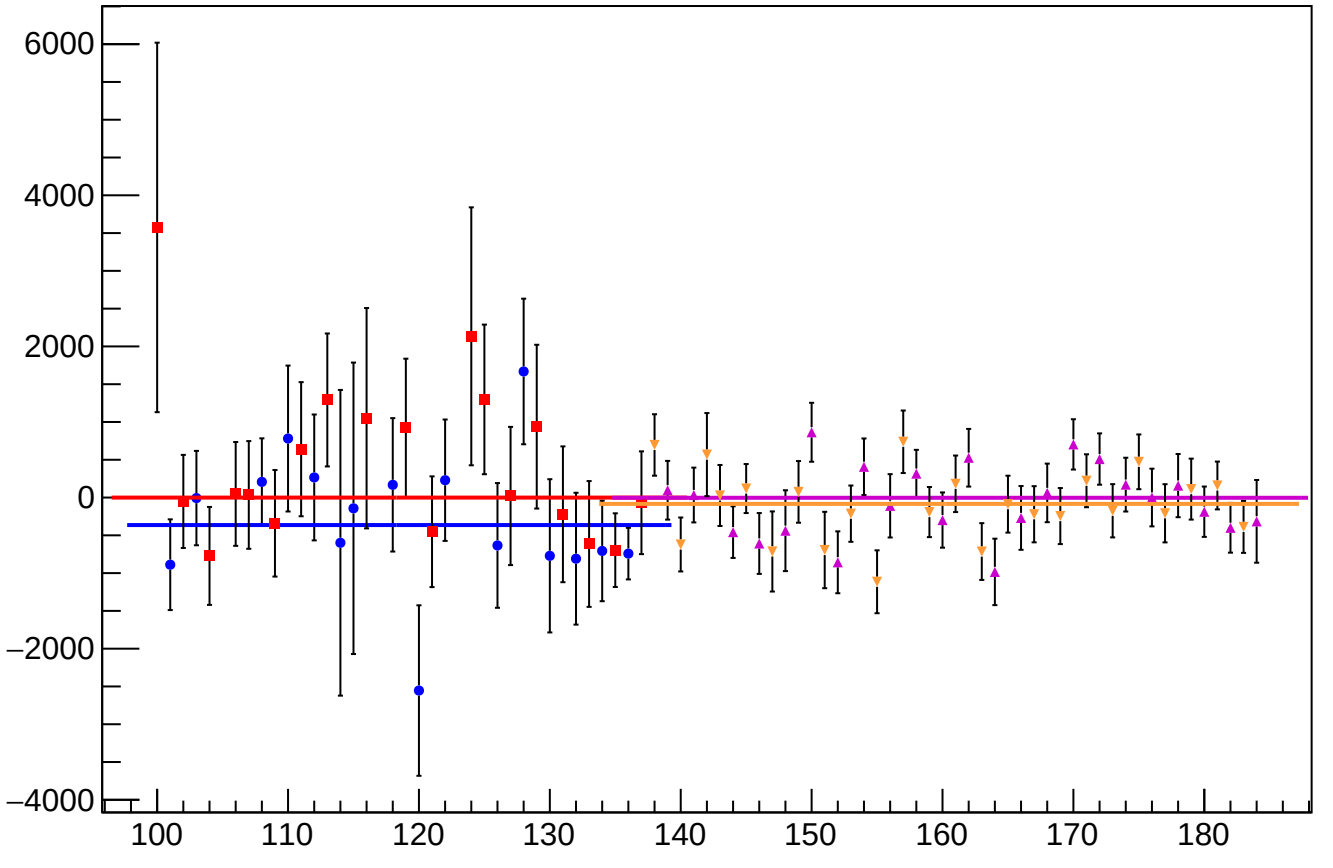
Left: 57.645+/-0.007 χ^2/NDF: 307701.9/46

Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.094+/-0.008 χ^2/NDF:529674.7/38

Out: 57.878+/-0.008 χ^2/NDF:587860.0/42

All: 57.983+/-0.006 χ^2/NDF: 1117890.5/81



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: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -44.257+/-55.499 χ^2/NDF: 63.8/46

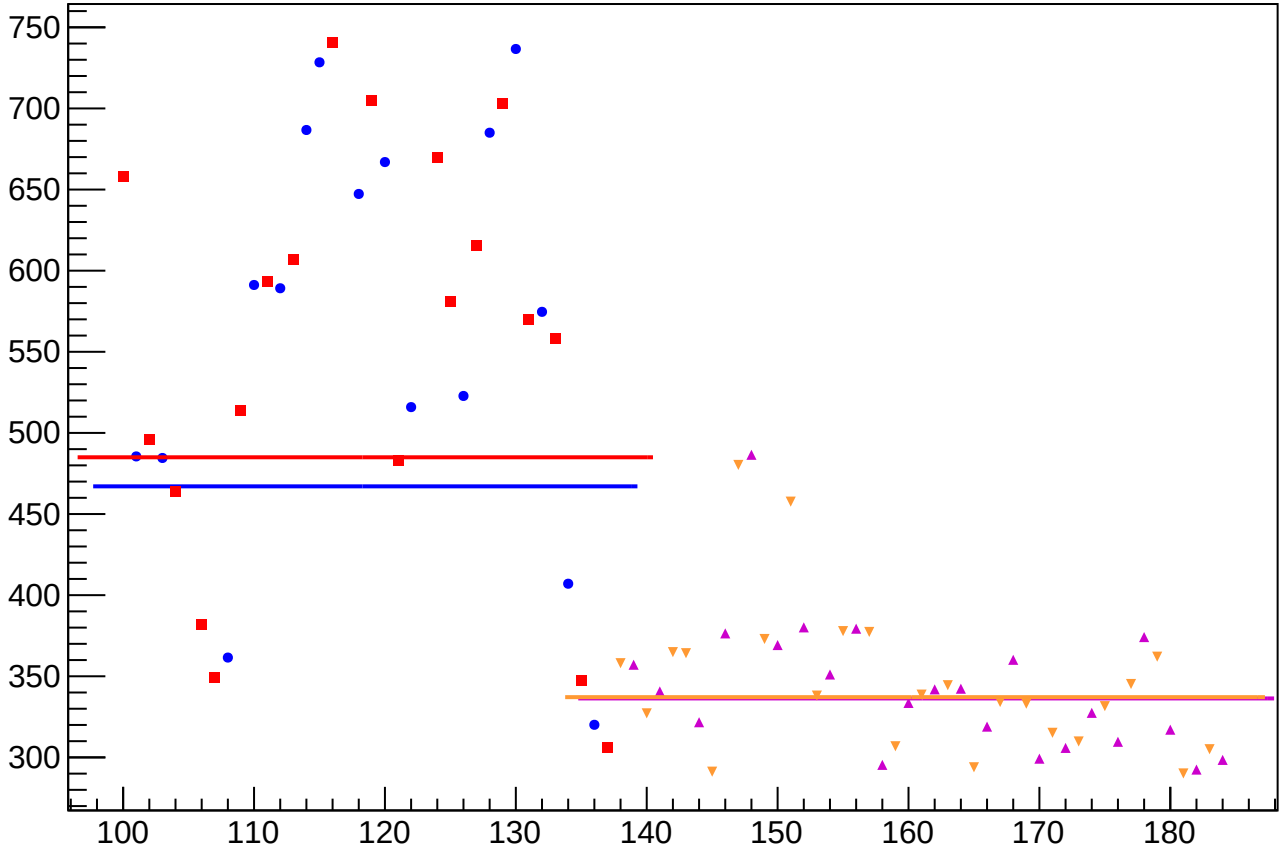
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -61.270+/-72.527 χ^2/NDF:52.2/38

Out: -71.267+/-71.605 χ^2/NDF:45.0/42

All: -66.332+/-50.955 χ^2/NDF: 97.1/81

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 337.135+/-0.055 χ^2/NDF:508669.5/23

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

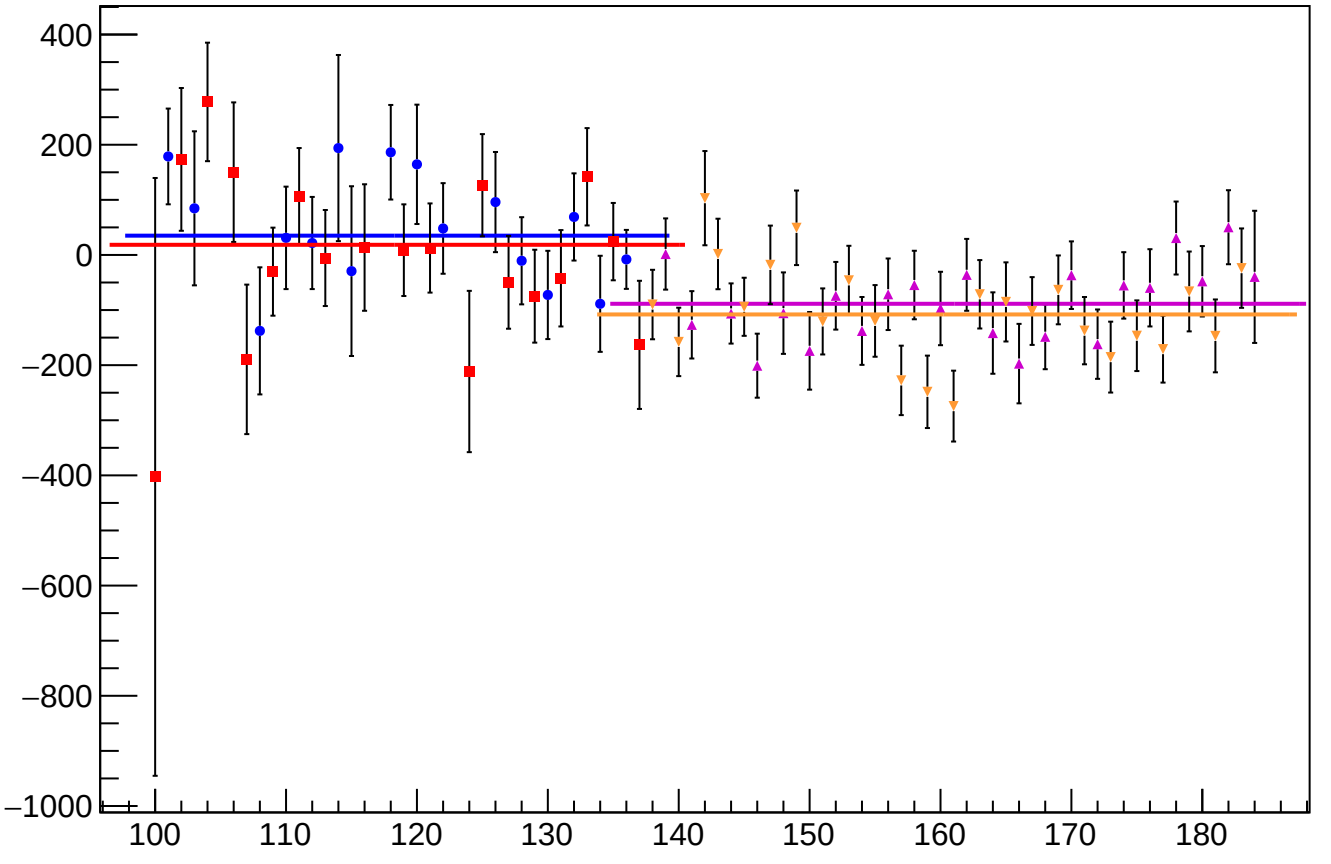
Left: 336.746+/-0.039 χ^2/NDF: 922973.5/46

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 357.425+/-0.051 χ^2/NDF:2323360.4/38

Out: 359.750+/-0.051 χ^2/NDF:2487485.5/42

All: 358.602+/-0.036 χ^2/NDF: 4811886.0/81



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: -88.621+/-13.566 χ^2/NDF:23.9/22

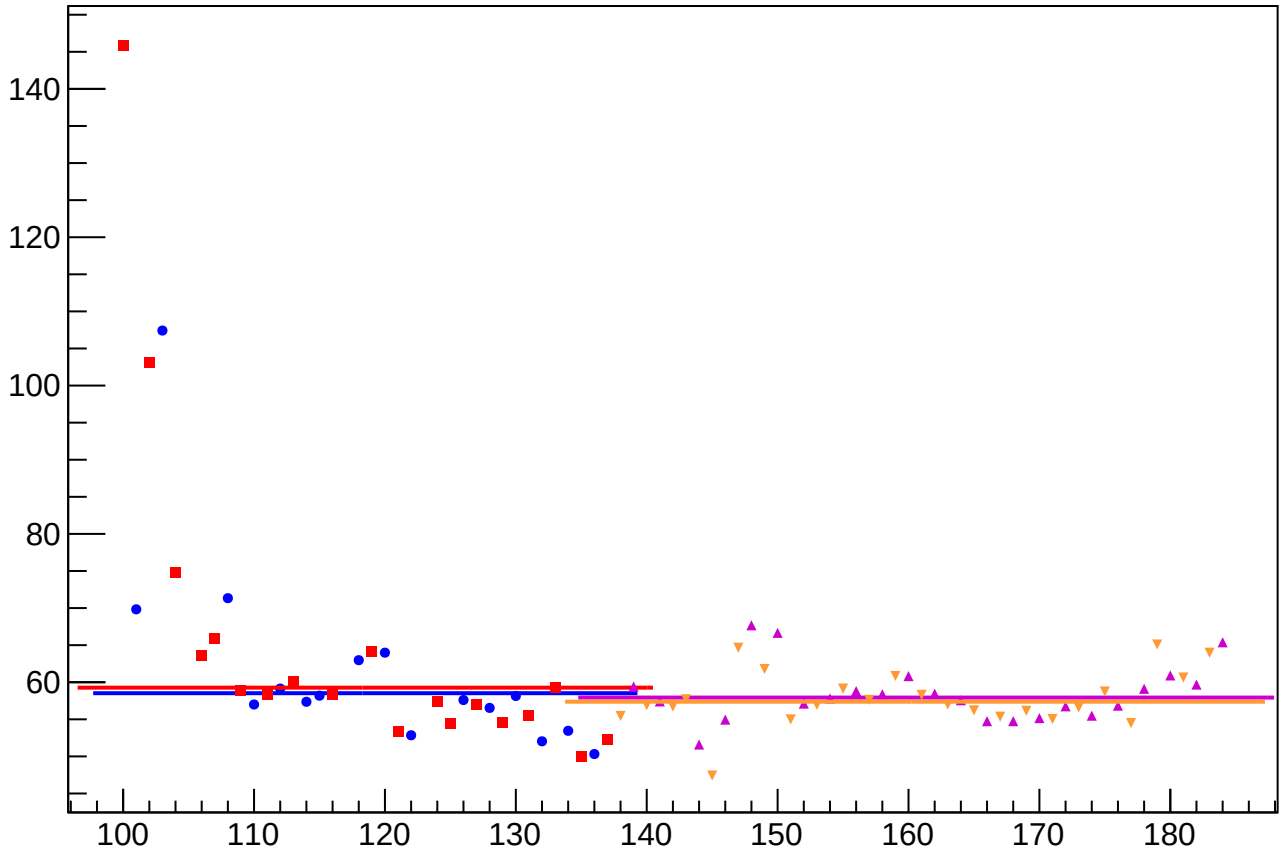
Left: -98.584+/-9.447 χ^2/NDF: 63.8/46

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -54.860+/-11.567 χ^2/NDF:62.8/38

Out: -74.963+/-11.314 χ^2/NDF:86.3/42

All: -65.133+/-8.088 χ^2/NDF: 150.6/81



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: 57.933+/-0.010 χ^2/NDF:135903.0/22

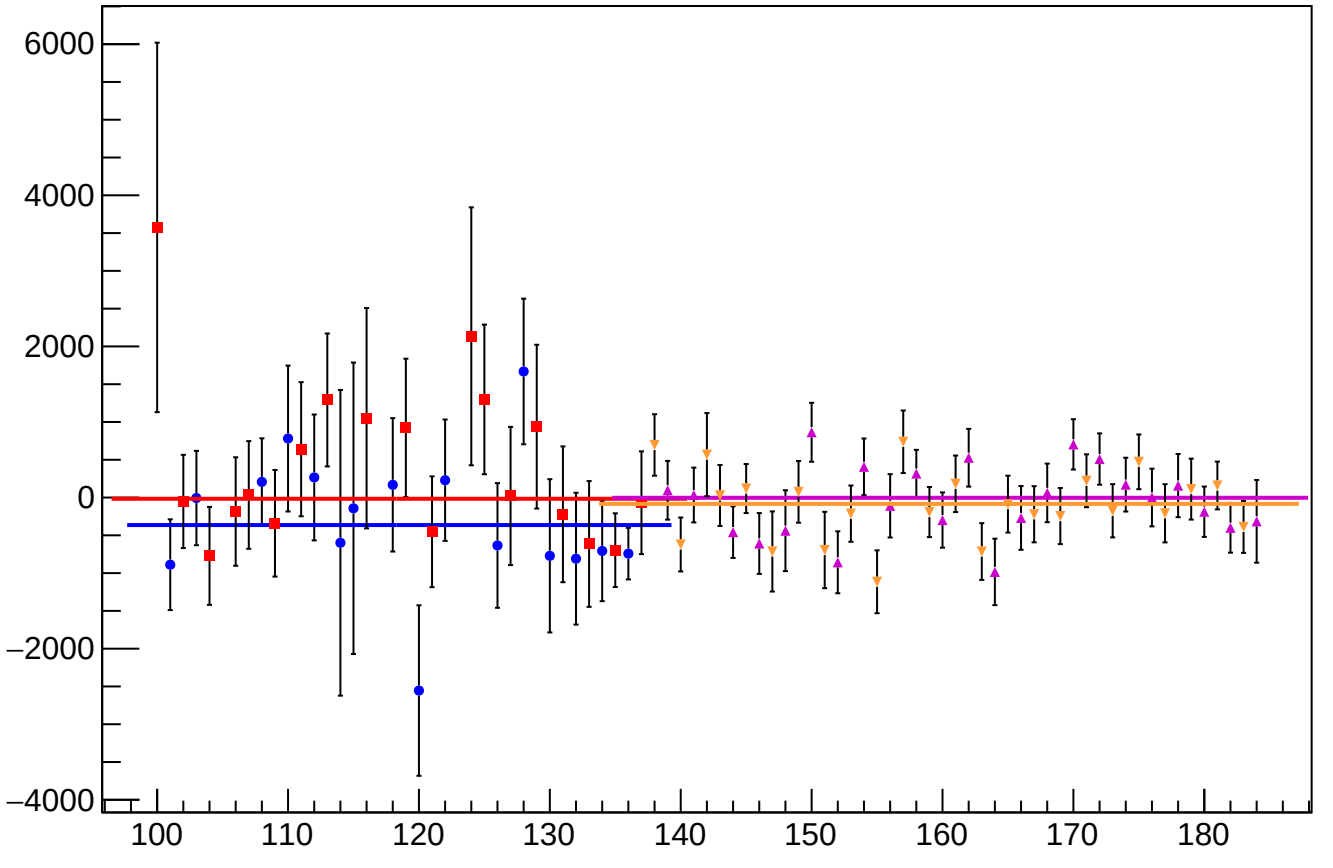
Left: 57.645+/-0.007 χ^2/NDF: 307702.0/46

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.094+/-0.008 χ^2/NDF:529676.8/38

Out: 57.869+/-0.008 χ^2/NDF:586495.1/42

All: 57.979+/-0.006 χ^2/NDF: 1116556.1/81



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: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -44.259+/-55.499 χ^2/NDF: 63.8/46

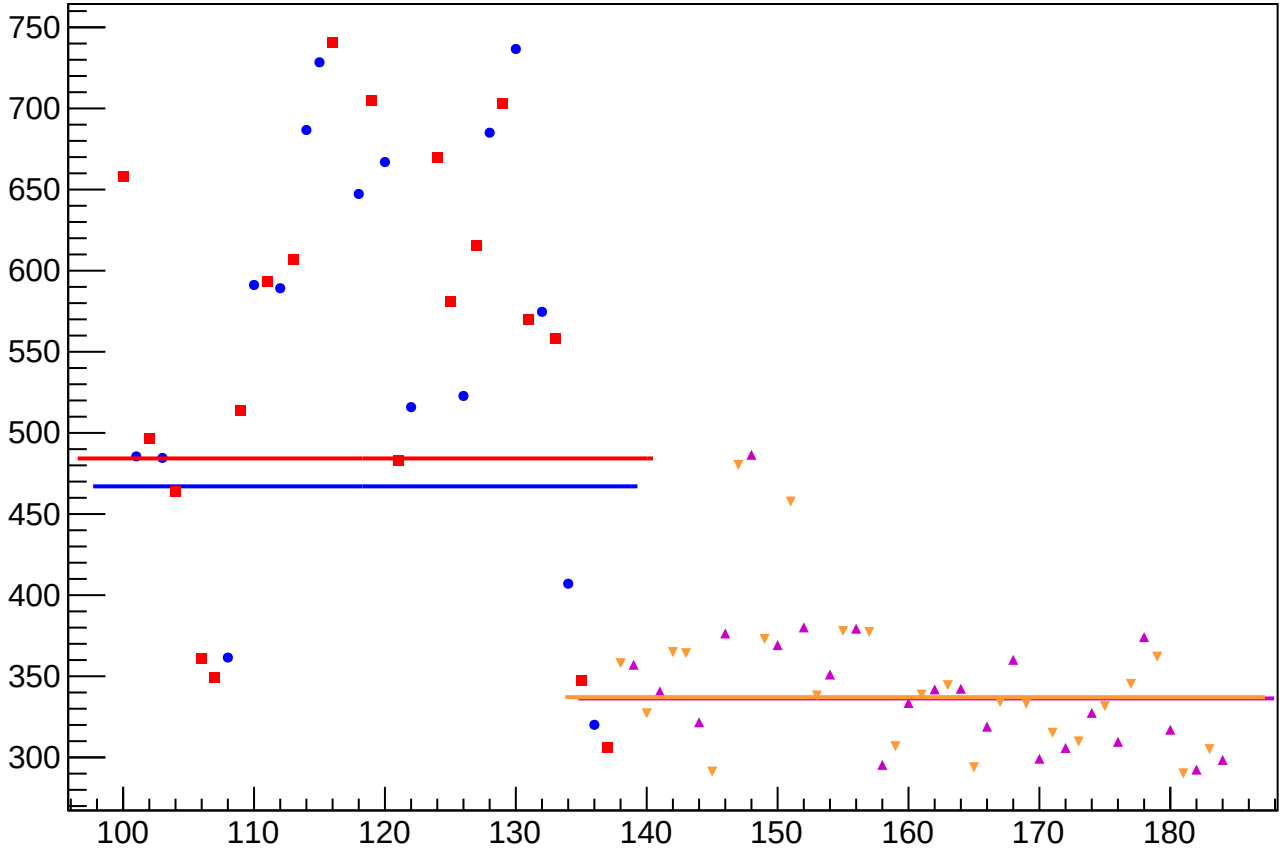
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -61.265+/-72.527 χ^2/NDF:52.2/38

Out: -73.696+/-71.638 χ^2/NDF:45.0/42

All: -67.557+/-50.967 χ^2/NDF: 97.1/81

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: 336.343+/-0.056 χ^2/NDF:414205.9/22

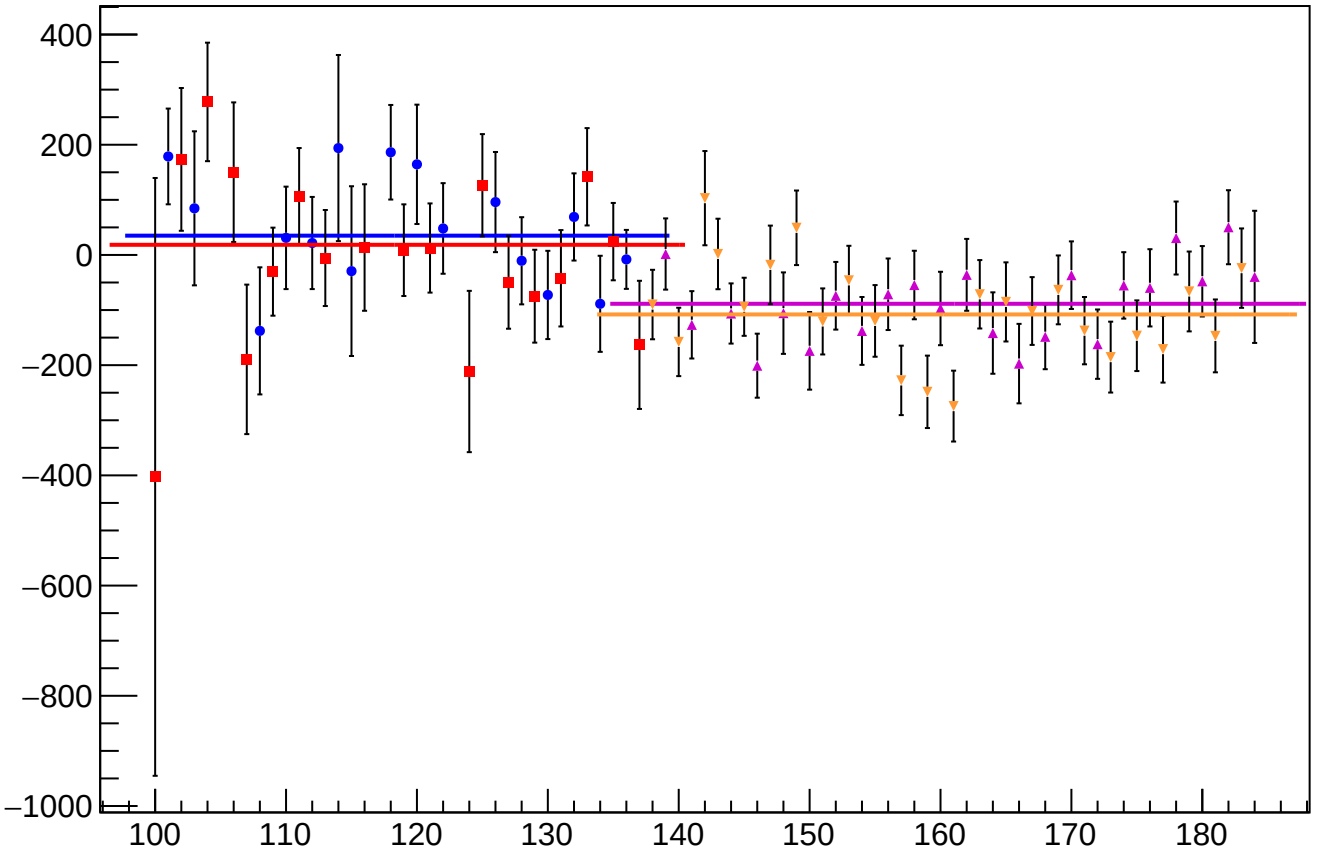
Left: 336.746+/-0.039 χ^2/NDF: 922977.9/46

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 357.425+/-0.051 χ^2/NDF:2323393.6/38

Out: 359.524+/-0.051 χ^2/NDF:2485924.4/42

All: 358.488+/-0.036 χ^2/NDF: 4810165.5/81



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: -88.621+/-13.566 χ^2/NDF:23.9/22

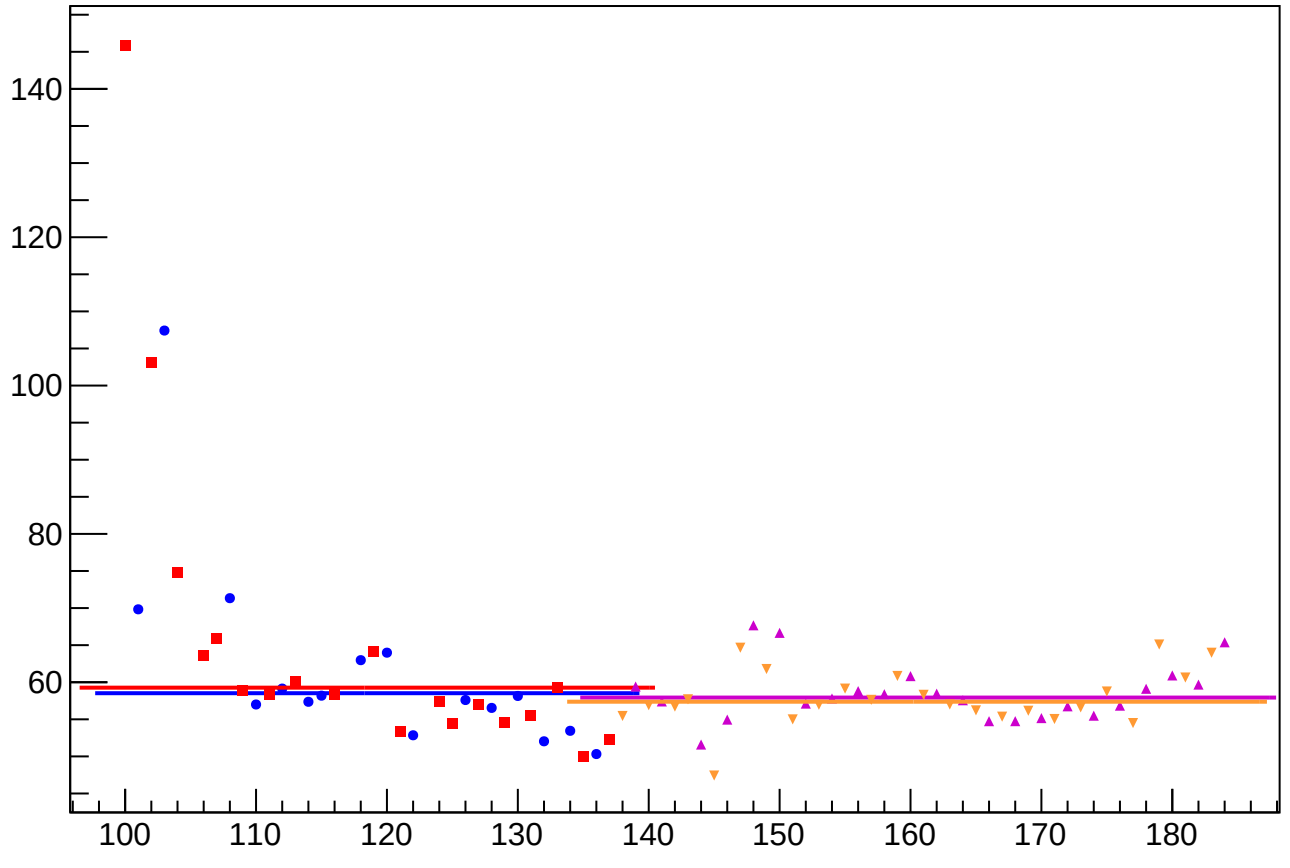
Left: -98.584+/-9.447 χ^2/NDF: 63.8/46

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -54.860+/-11.567 χ^2/NDF:62.8/38

Out: -74.963+/-11.314 χ^2/NDF:86.3/42

All: -65.133+/-8.088 χ^2/NDF: 150.6/81



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: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.645+/-0.007 χ^2/NDF: 307702.0/46

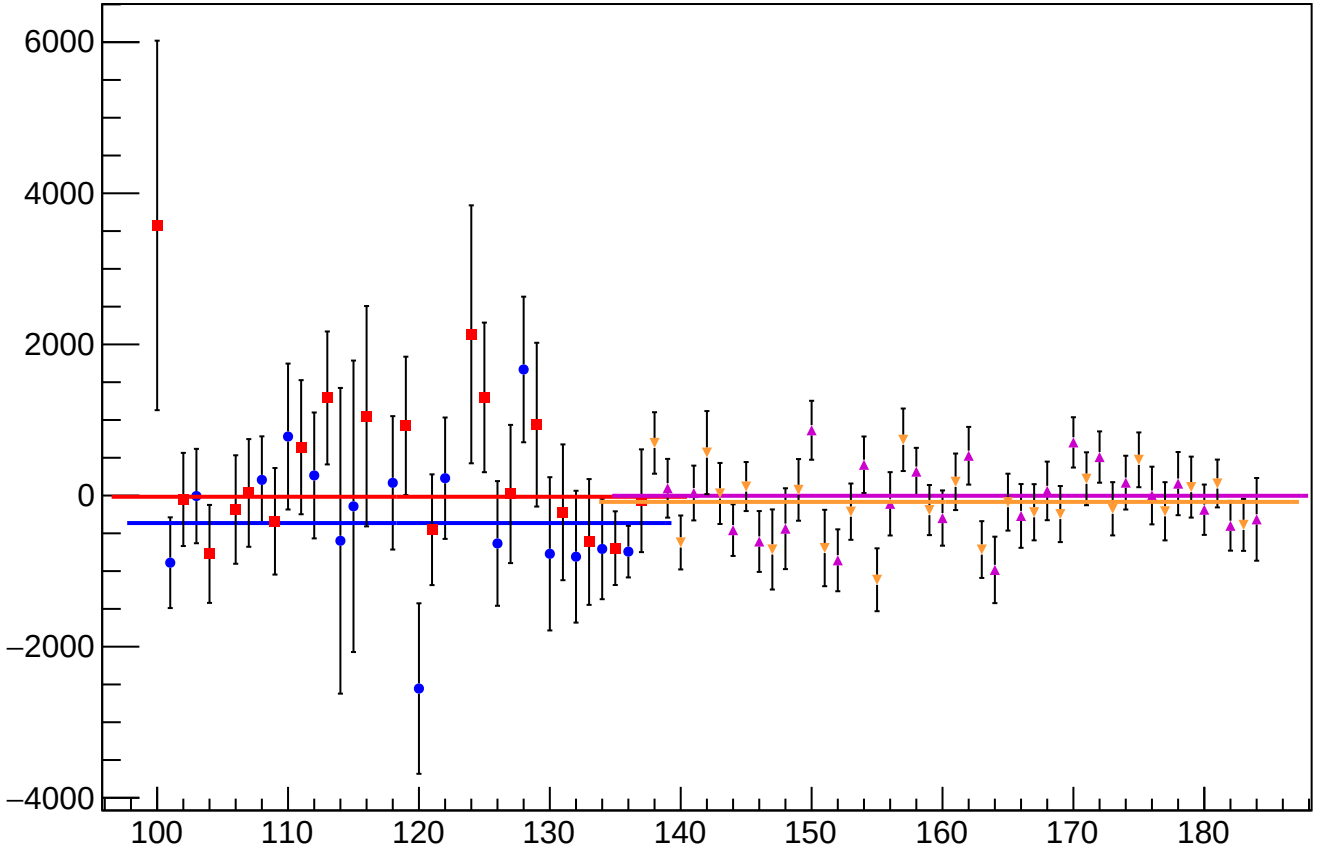
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.094+/-0.008 χ^2/NDF:529676.8/38

Out: 57.869+/-0.008 χ^2/NDF:586495.1/42

All: 57.979+/-0.006 χ^2/NDF: 1116556.1/81

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: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -44.259+/-55.499 χ^2/NDF: 63.8/46

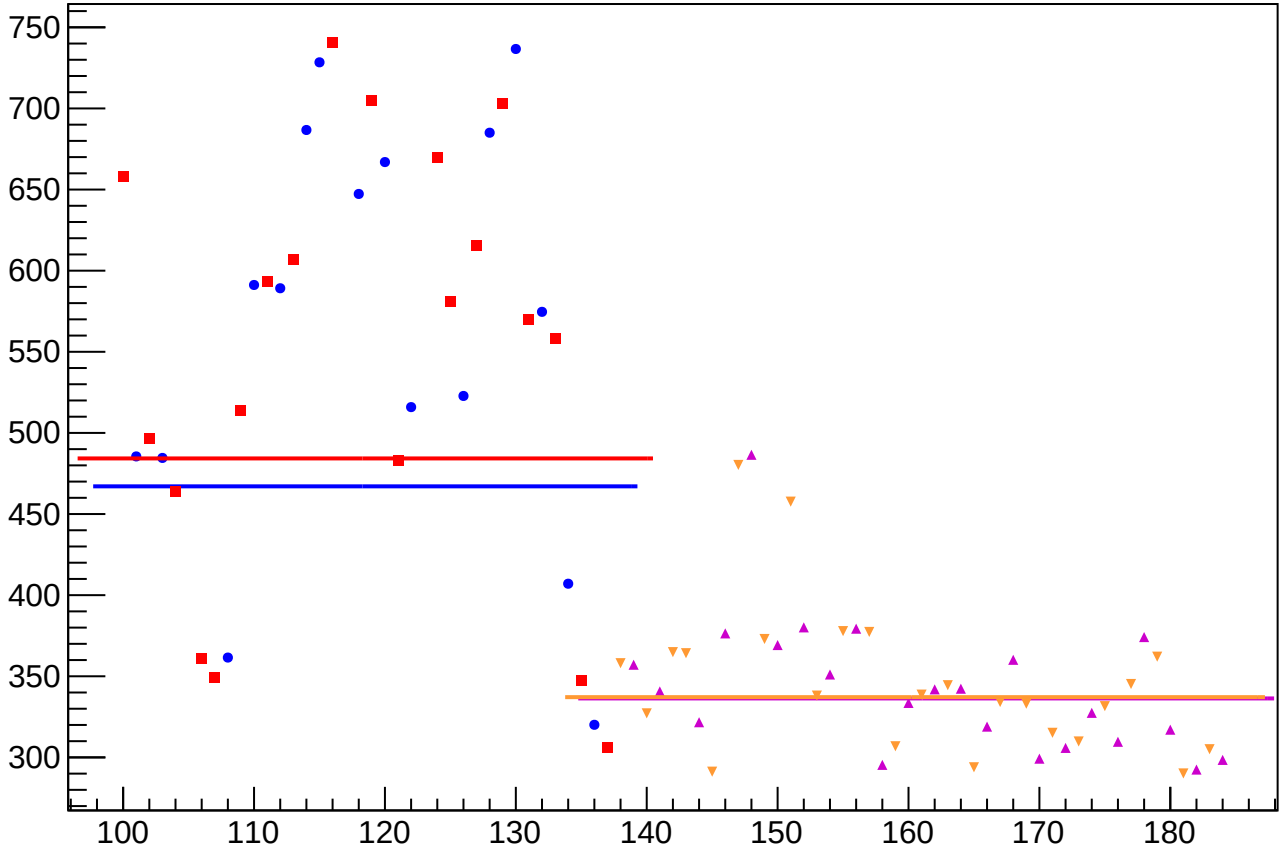
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -61.265+/-72.527 χ^2/NDF:52.2/38

Out: -73.696+/-71.638 χ^2/NDF:45.0/42

All: -67.557+/-50.967 χ^2/NDF: 97.1/81

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: 336.343+/-0.056 χ^2/NDF:414205.9/22

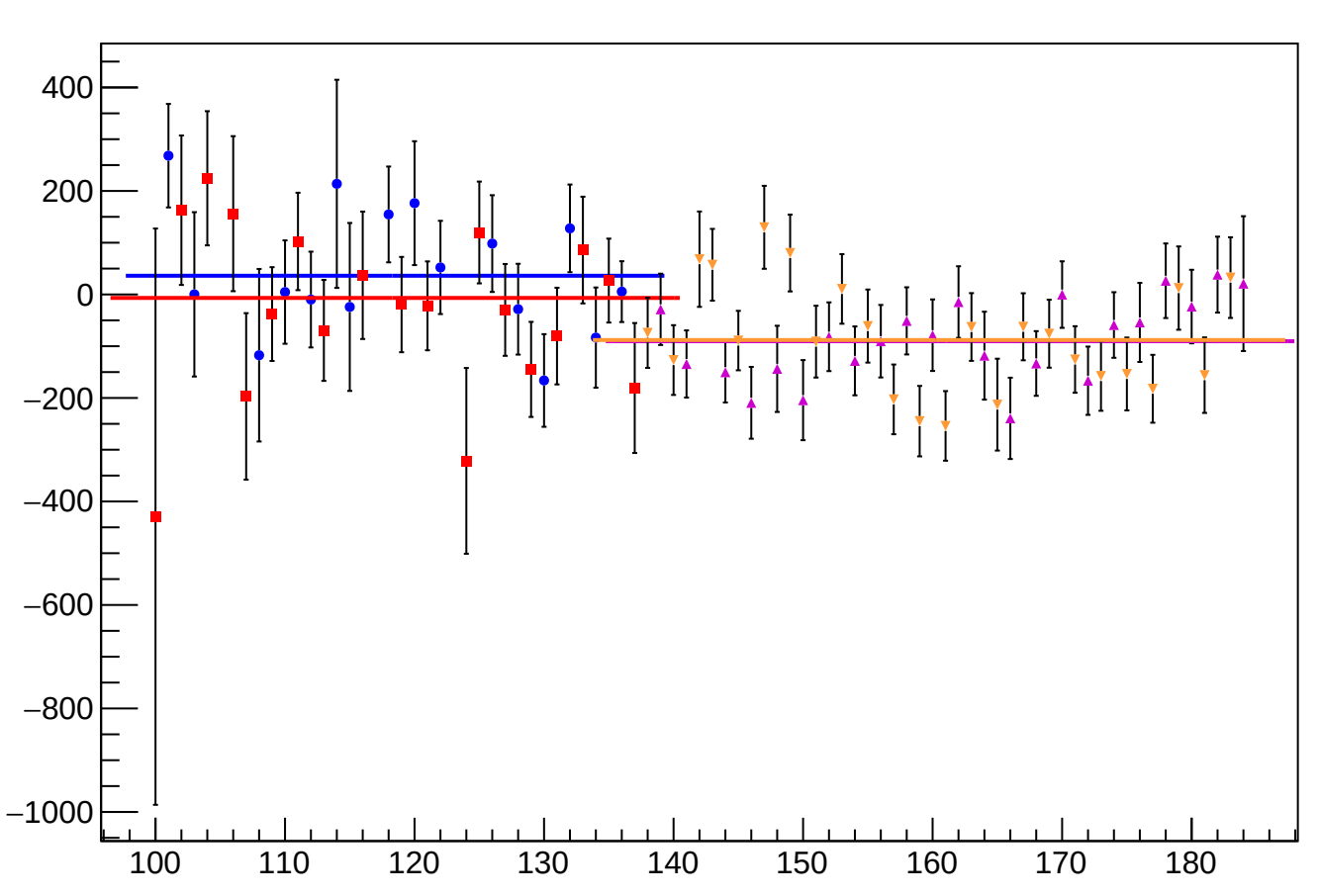
Left: 336.746+/-0.039 χ^2/NDF: 922977.9/46

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 357.425+/-0.051 χ^2/NDF:2323393.6/38

Out: 359.524+/-0.051 χ^2/NDF:2485924.4/42

All: 358.488+/-0.036 χ^2/NDF: 4810165.5/81



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: -90.363+/-14.656 χ^2/NDF:25.0/22

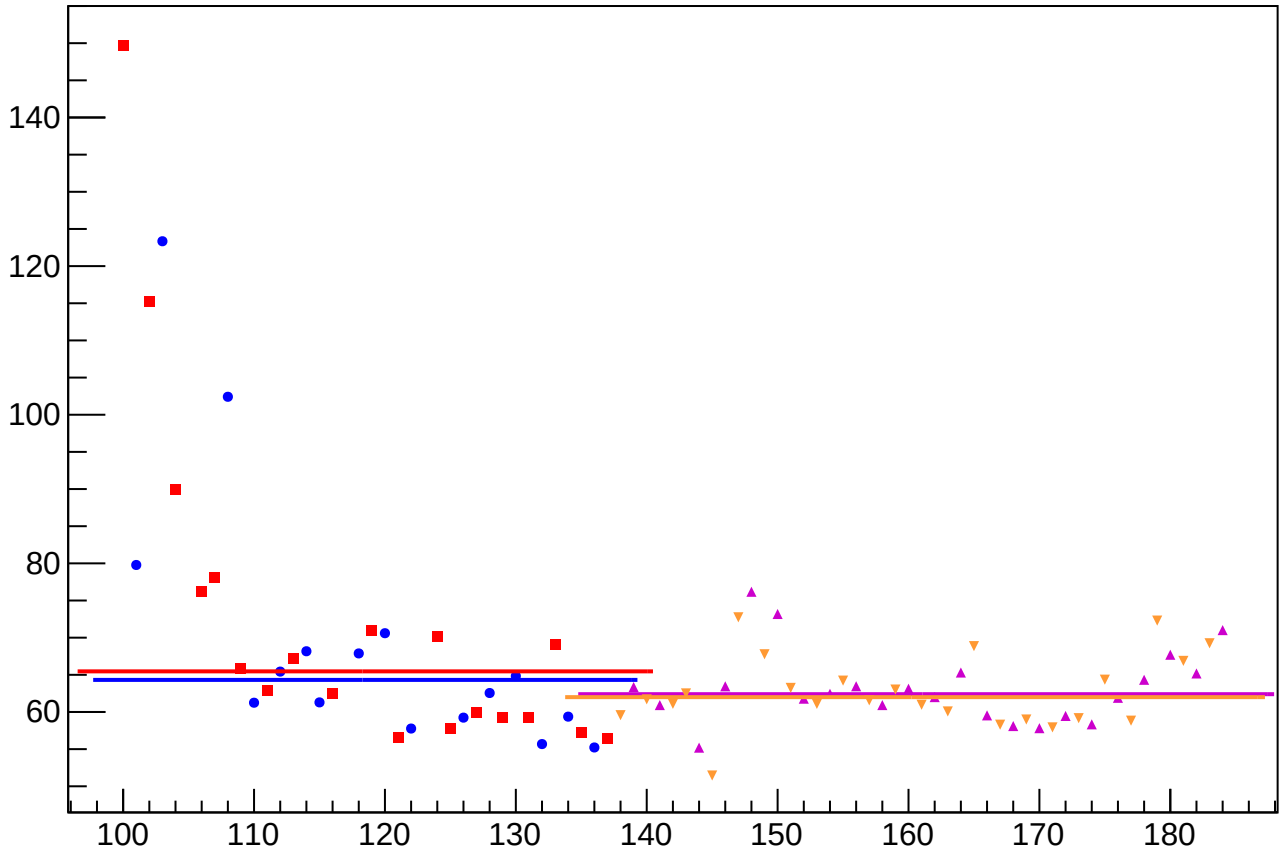
Left: -89.179+/-10.216 χ^2/NDF: 73.3/46

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -56.961+/-12.574 χ^2/NDF:64.4/38

Out: -67.590+/-12.324 χ^2/NDF:76.8/42

All: -62.382+/-8.802 χ^2/NDF: 141.5/81



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: 62.395+/-0.010 χ^2/NDF:188814.3/22

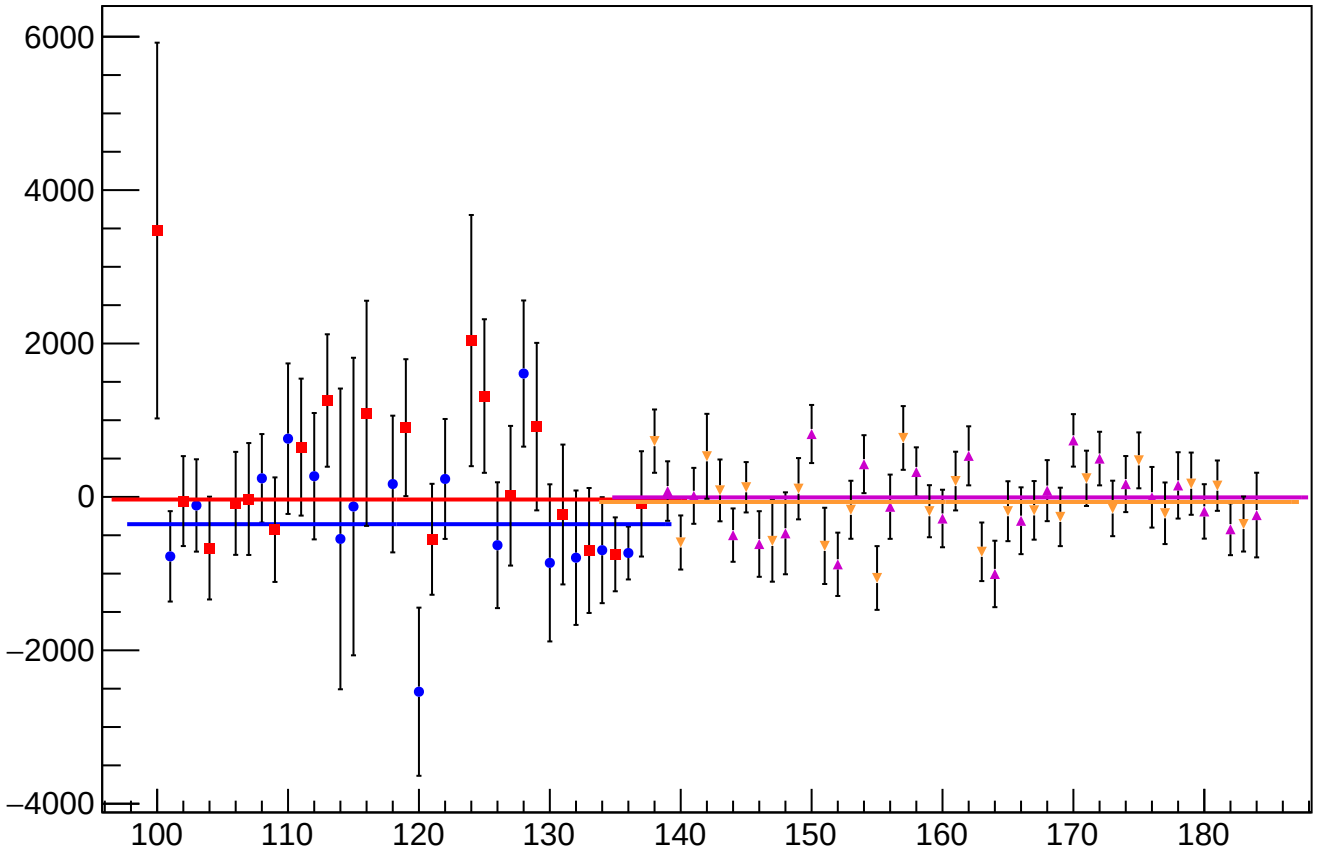
Left: 62.190+/-0.007 χ^2/NDF: 413760.3/46

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.902+/-0.009 χ^2/NDF:729951.7/38

Out: 62.869+/-0.009 χ^2/NDF:736409.4/42

All: 62.886+/-0.006 χ^2/NDF: 1466368.0/81



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: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -36.718+/-56.503 χ^2/NDF: 62.6/46

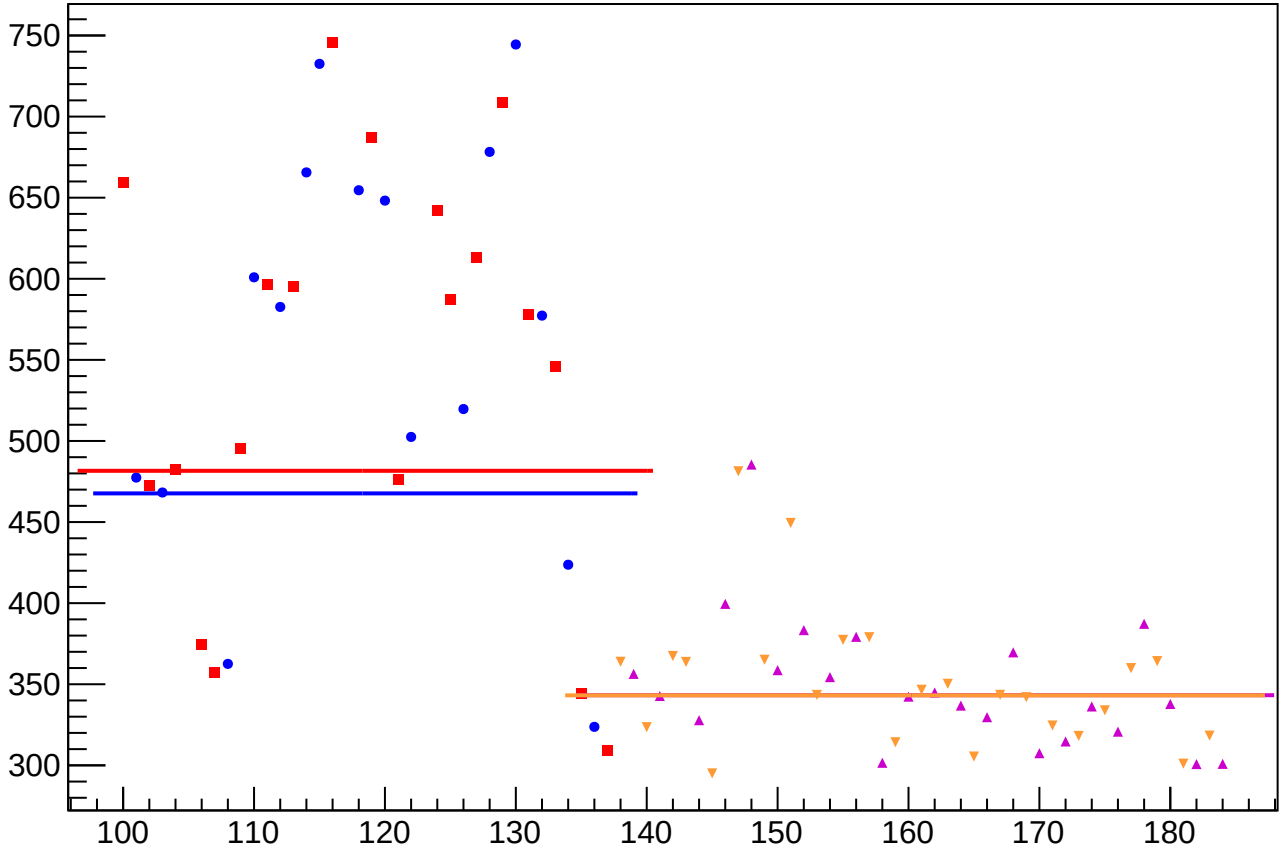
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -64.501+/-73.706 χ^2/NDF:51.9/38

Out: -60.900+/-72.502 χ^2/NDF:43.7/42

All: -62.671+/-51.687 χ^2/NDF: 95.7/81

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: 343.245+/-0.057 χ^2/NDF:372991.6/22

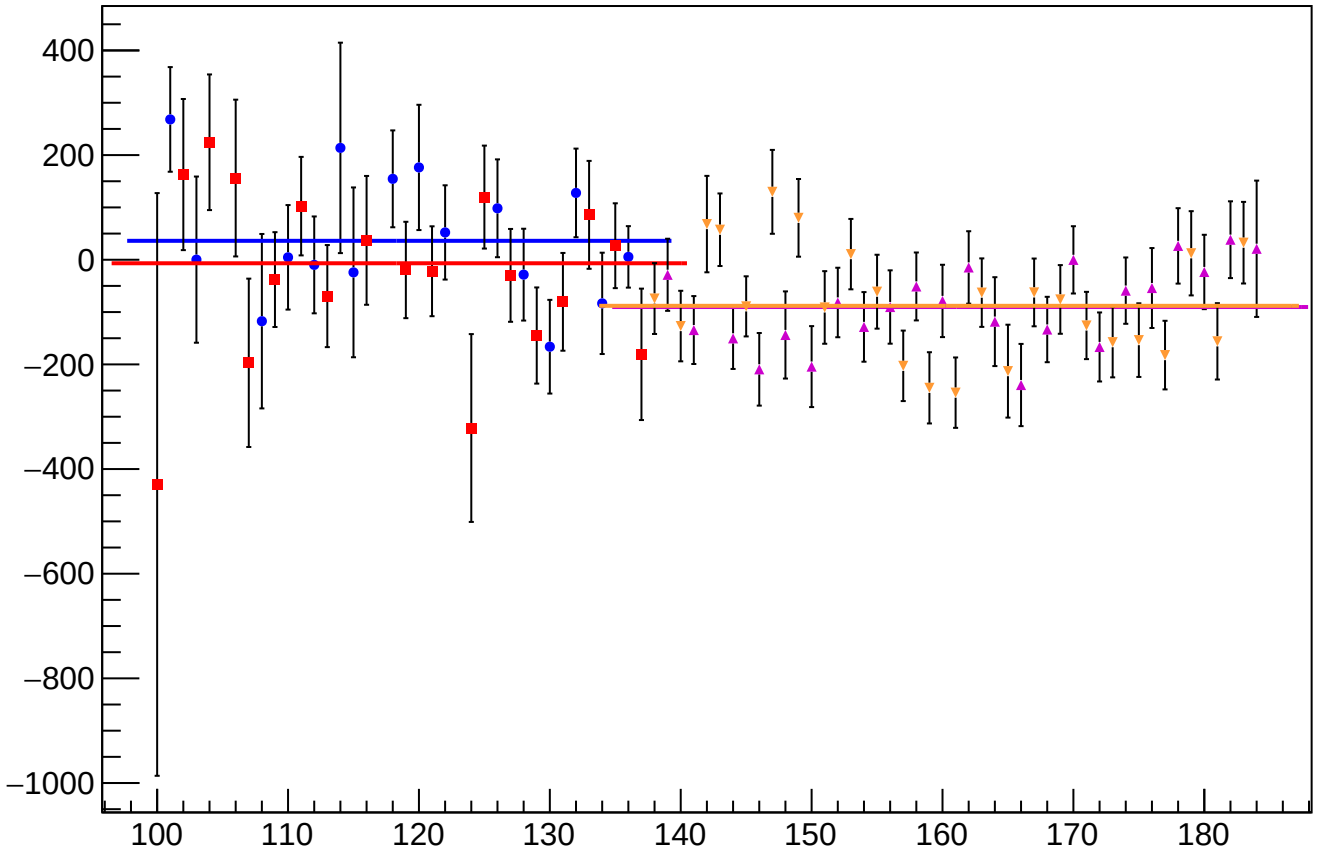
Left: 343.203+/-0.040 χ^2/NDF: 799051.3/46

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 364.031+/-0.052 χ^2/NDF:2152052.2/38

Out: 365.239+/-0.051 χ^2/NDF:2257663.7/42

All: 364.645+/-0.037 χ^2/NDF: 4409989.0/81



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: -90.363+/-14.656 χ^2/NDF:25.0/22

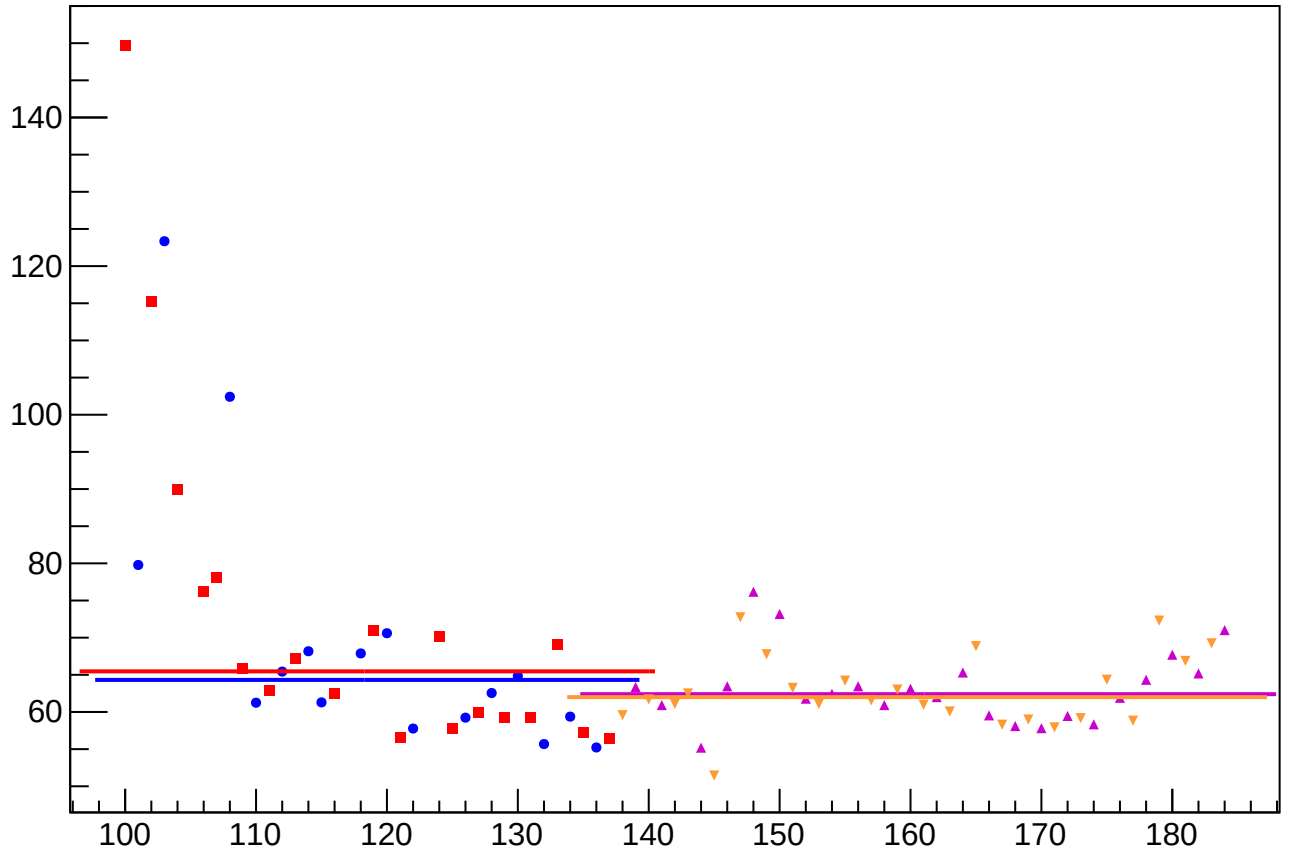
Left: -89.179+/-10.216 χ^2/NDF: 73.3/46

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -56.961+/-12.574 χ^2/NDF:64.4/38

Out: -67.590+/-12.324 χ^2/NDF:76.8/42

All: -62.382+/-8.801 χ^2/NDF: 141.5/81



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: 62.395+/-0.010 χ^2/NDF:188817.4/22

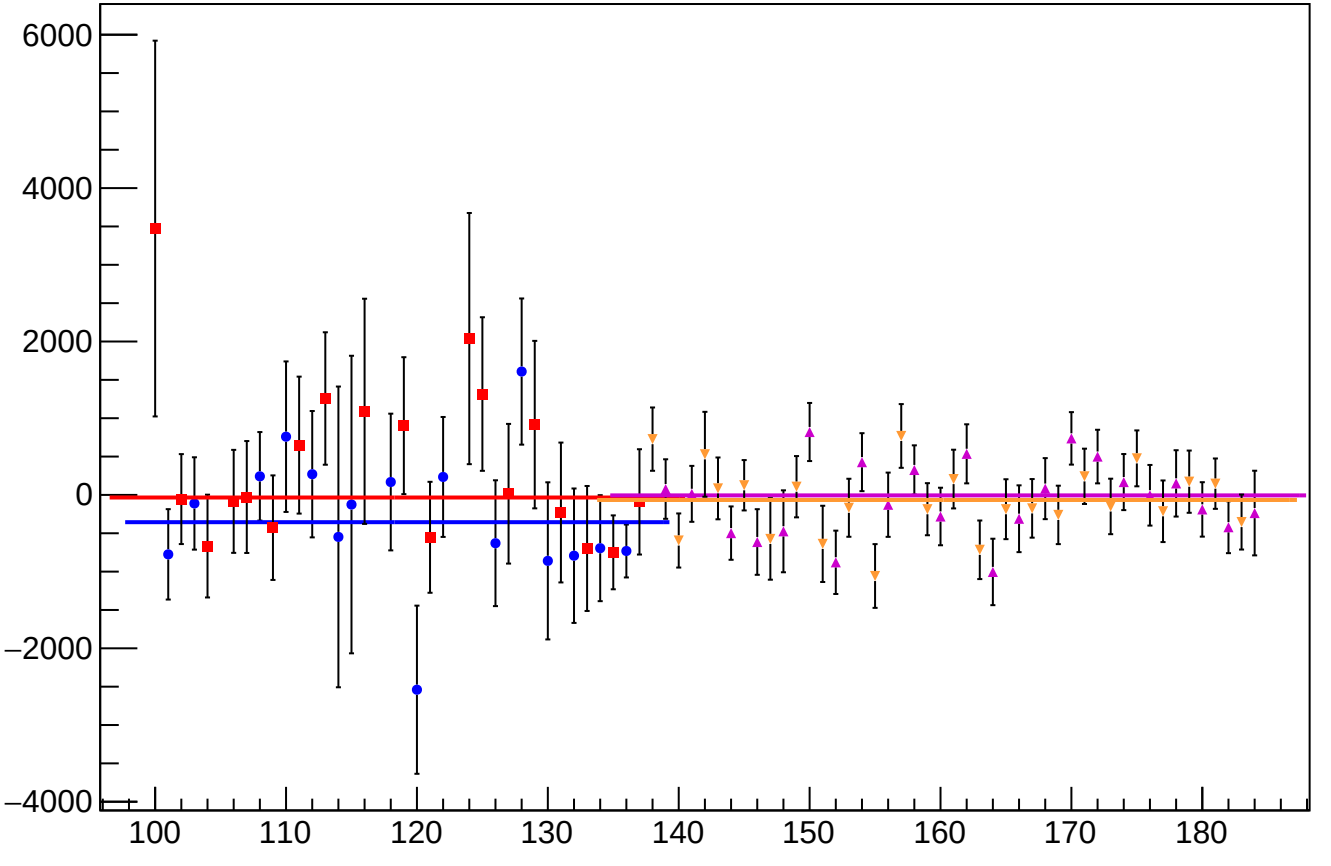
Left: 62.190+/-0.007 χ^2/NDF: 413767.8/46

Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.902+/-0.009 χ^2/NDF:729961.9/38

Out: 62.869+/-0.009 χ^2/NDF:736418.0/42

All: 62.886+/-0.006 χ^2/NDF: 1466386.8/81



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: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -36.718+/-56.503 χ^2/NDF: 62.6/46

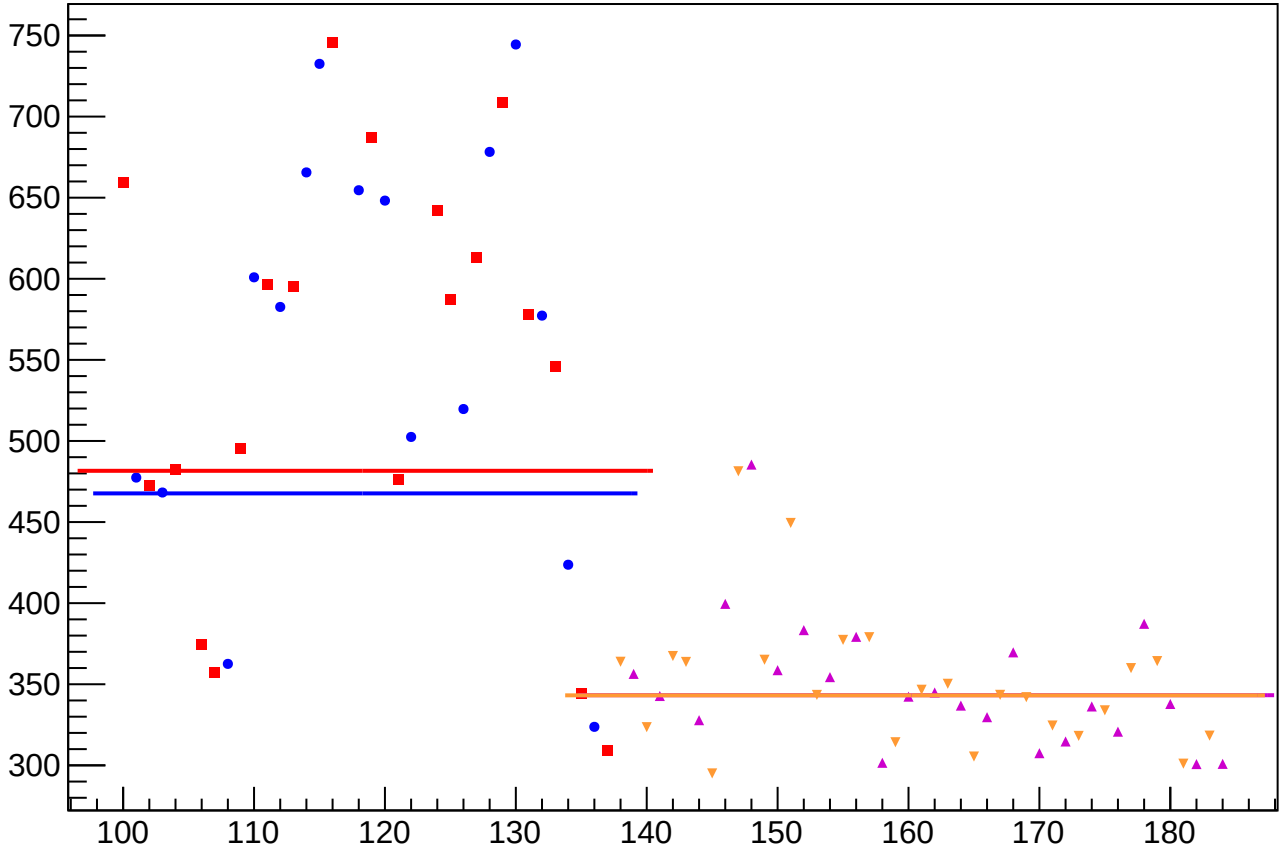
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -64.502+/-73.706 χ^2/NDF:51.9/38

Out: -60.900+/-72.502 χ^2/NDF:43.7/42

All: -62.671+/-51.687 χ^2/NDF: 95.7/81

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: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 343.204+/-0.040 χ^2/NDF: 799055.3/46

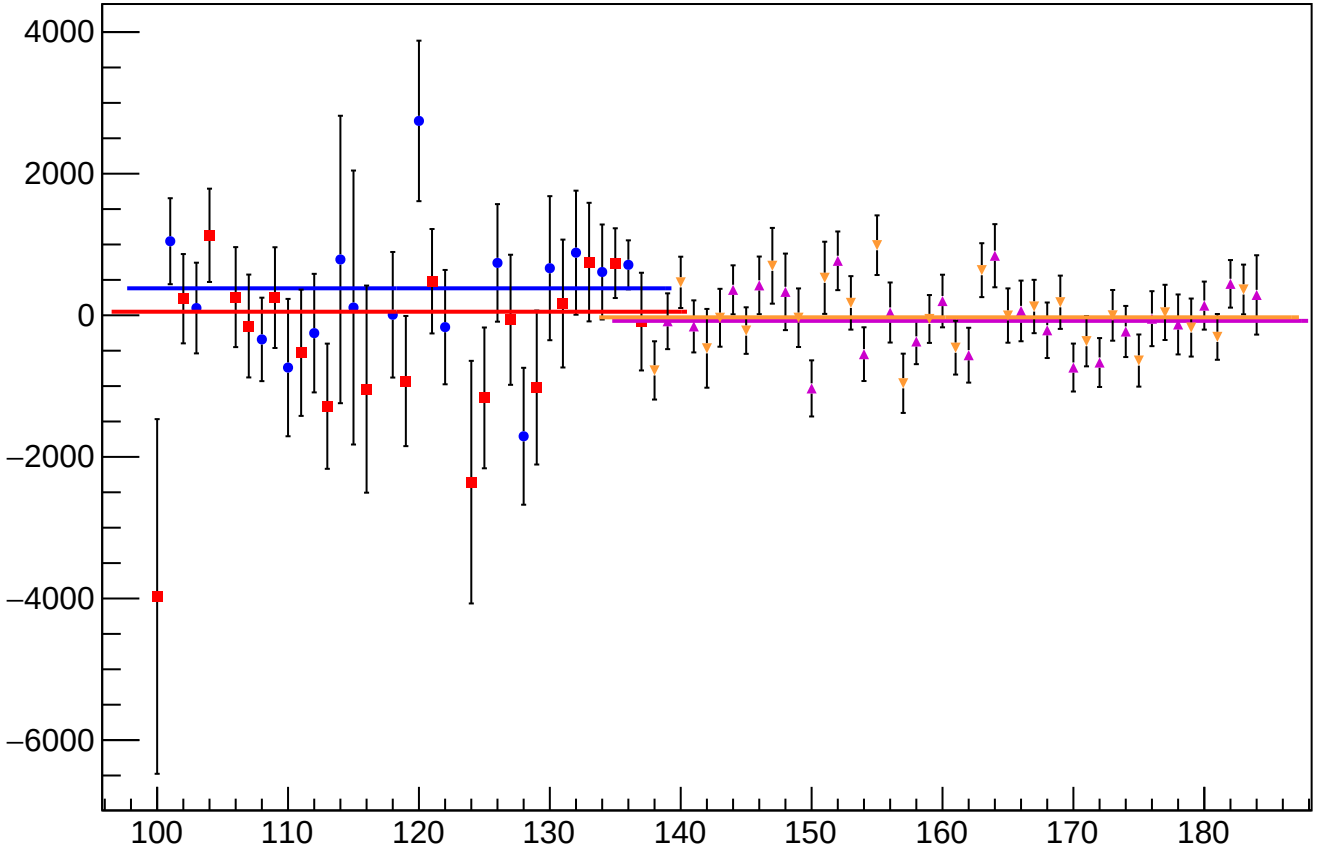
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 364.031+/-0.052 χ^2/NDF:2152048.2/38

Out: 365.239+/-0.051 χ^2/NDF:2257656.9/42

All: 364.645+/-0.037 χ^2/NDF: 4409978.2/81

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: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -53.185+/-56.347 χ^2/NDF: 64.0/46

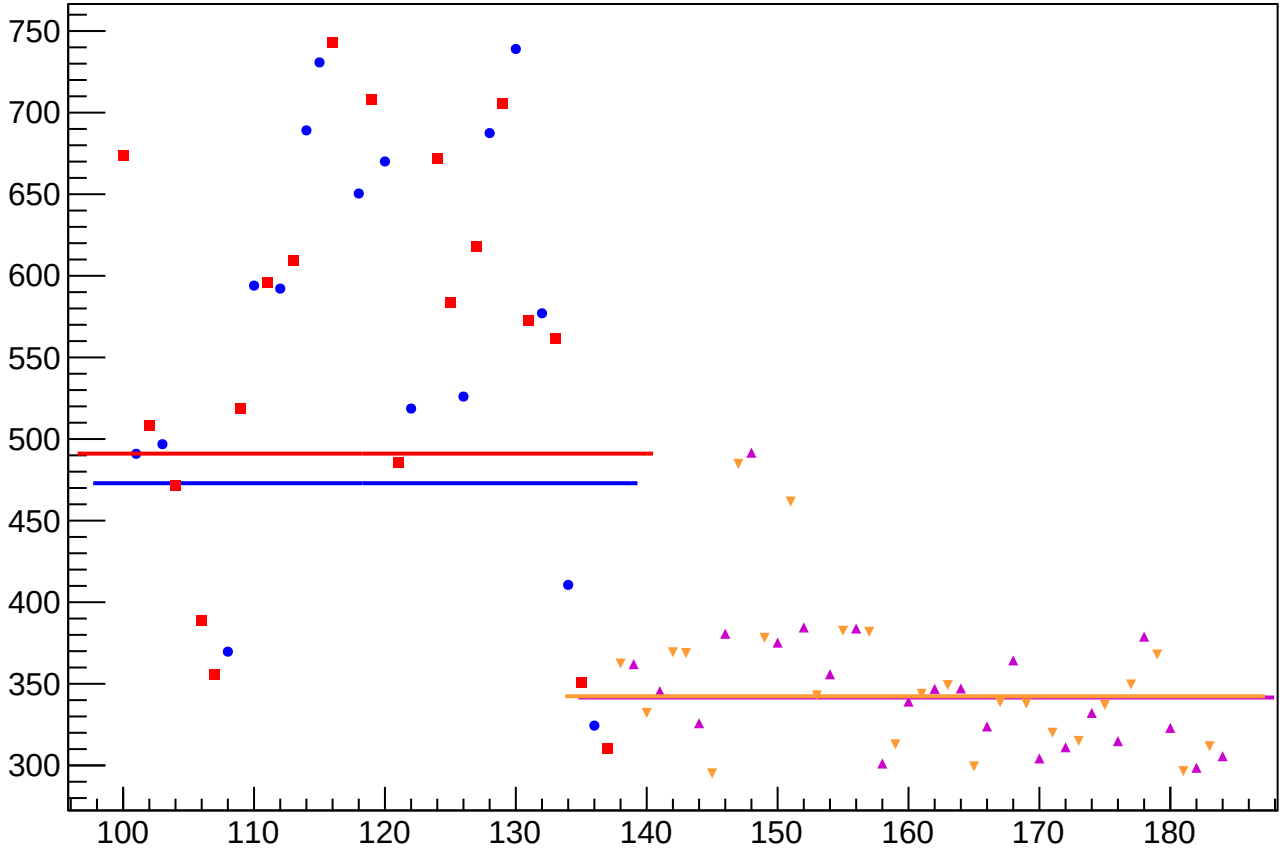
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: -4.075+/-73.594 χ^2/NDF:54.4/38

Out: -16.408+/-72.655 χ^2/NDF:48.5/42

All: -10.321+/-51.704 χ^2/NDF: 102.9/81

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: 341.622+/-0.057 χ^2/NDF:396885.0/22

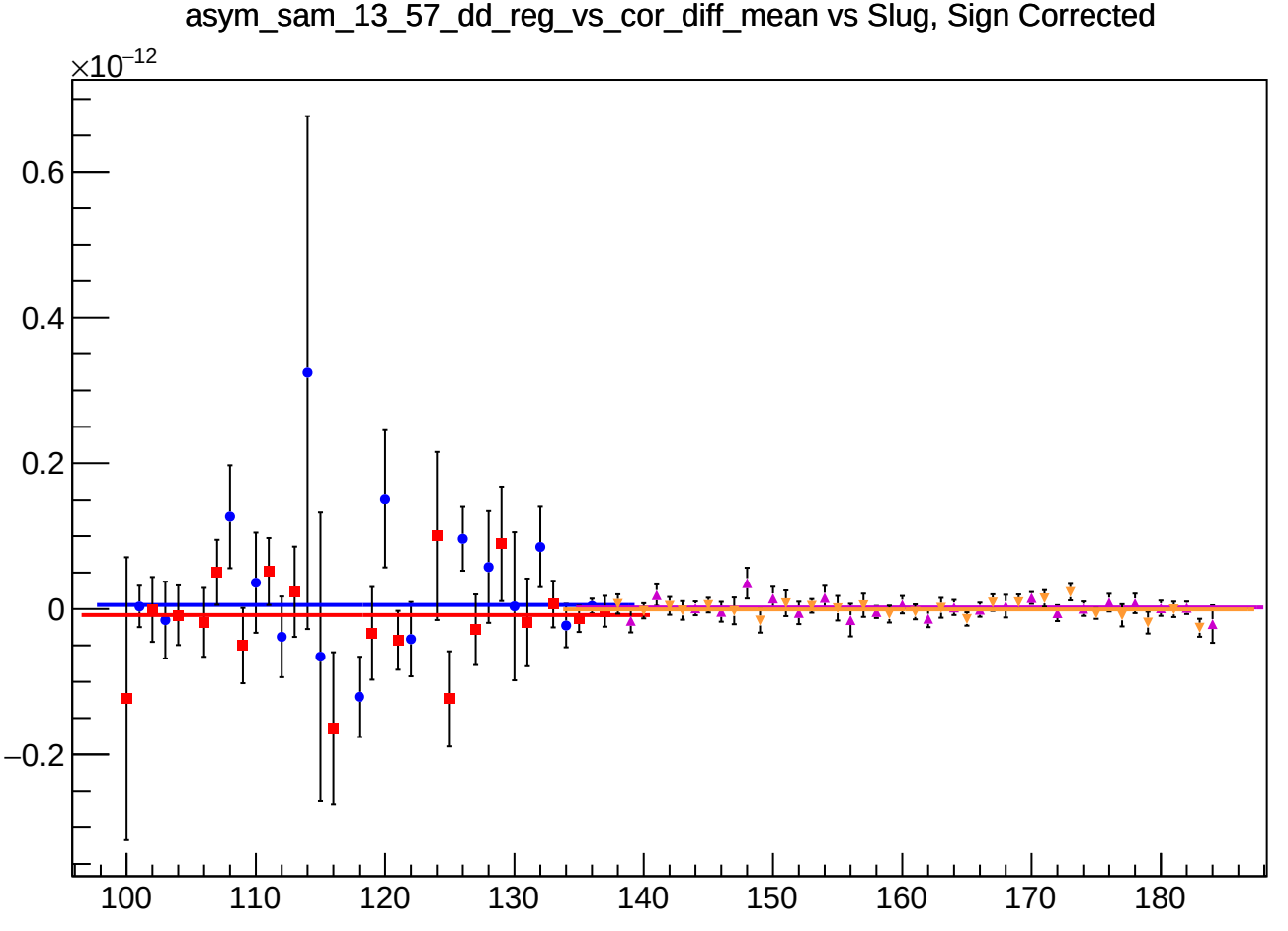
Left: 342.005+/-0.040 χ^2/NDF: 885434.8/46

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 362.938+/-0.052 χ^2/NDF:2262875.9/38

Out: 365.243+/-0.051 χ^2/NDF:2426095.6/42

All: 364.105+/-0.037 χ^2/NDF: 4689965.3/81



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:14.4/22

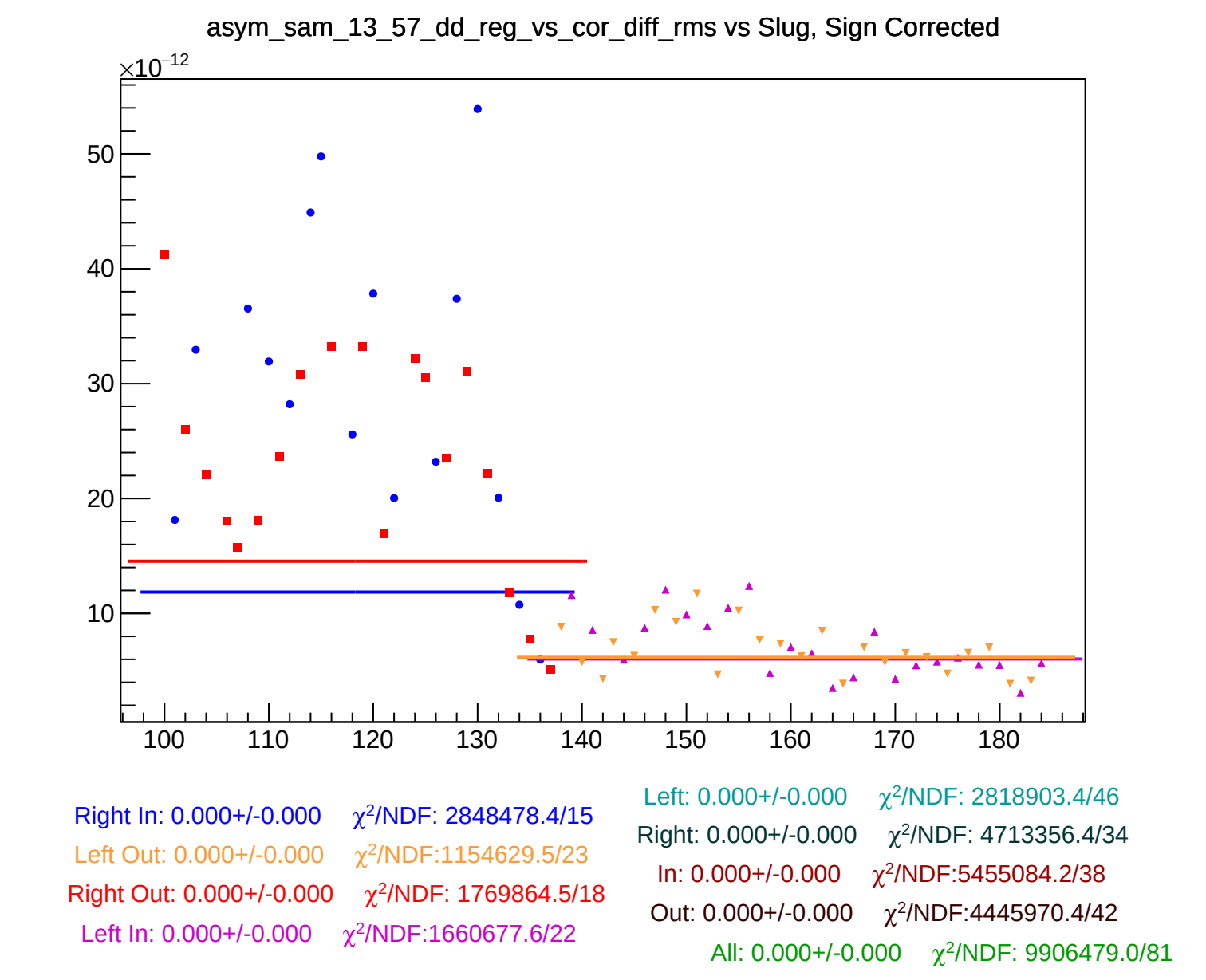
Left: 0.000+/-0.000 χ^2/NDF: 34.0/46

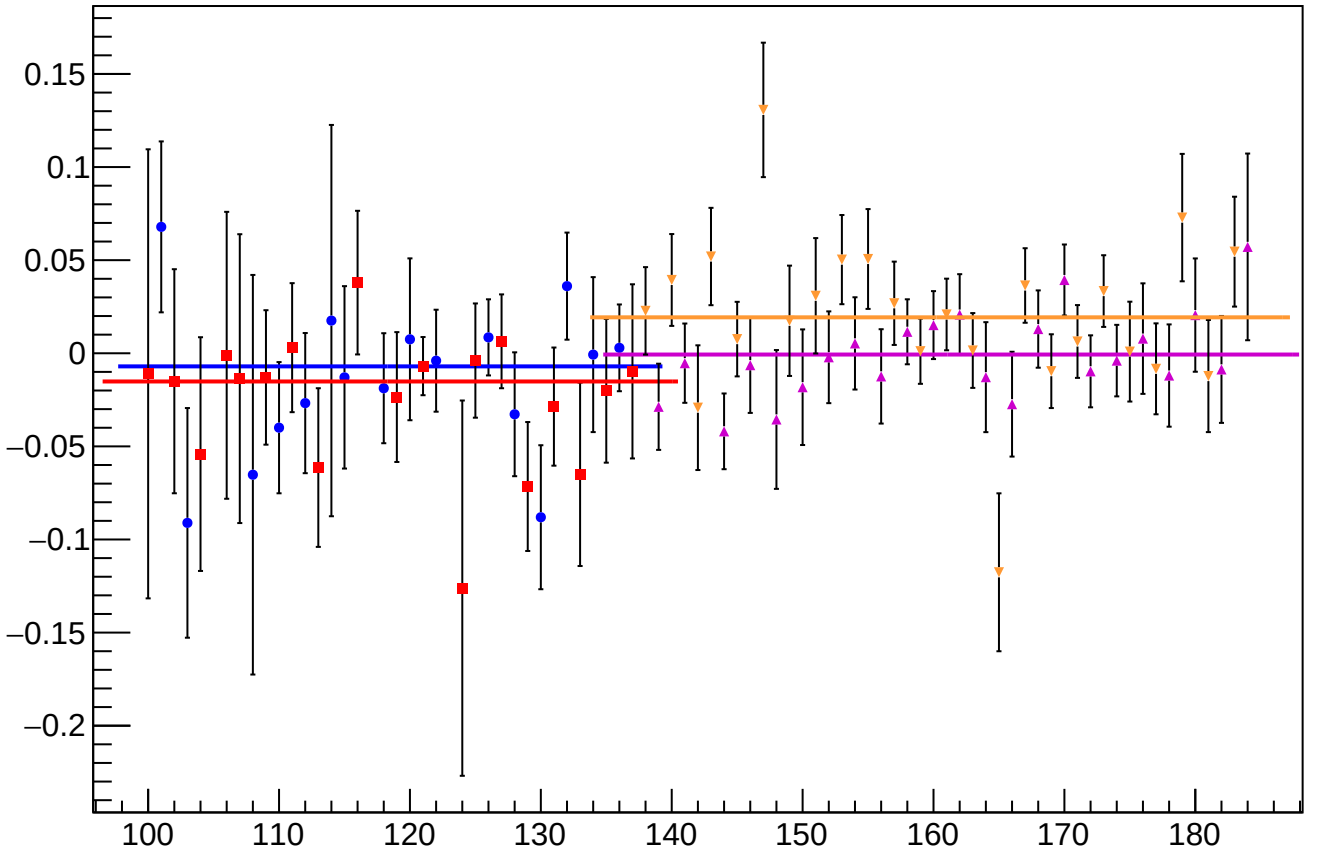
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:35.7/38

Out: -0.000+/-0.000 χ^2/NDF:33.7/42

All: 0.000+/-0.000 χ^2/NDF: 70.4/81


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1154629.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:1660677.6/22
Left: 0.000+/-0.000 χ²/NDF: 2818903.4/46
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:5455084.2/38
Out: 0.000+/-0.000 χ²/NDF:4445970.4/42
All: 0.000+/-0.000 χ²/NDF: 9906479.0/81



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:17.7/22

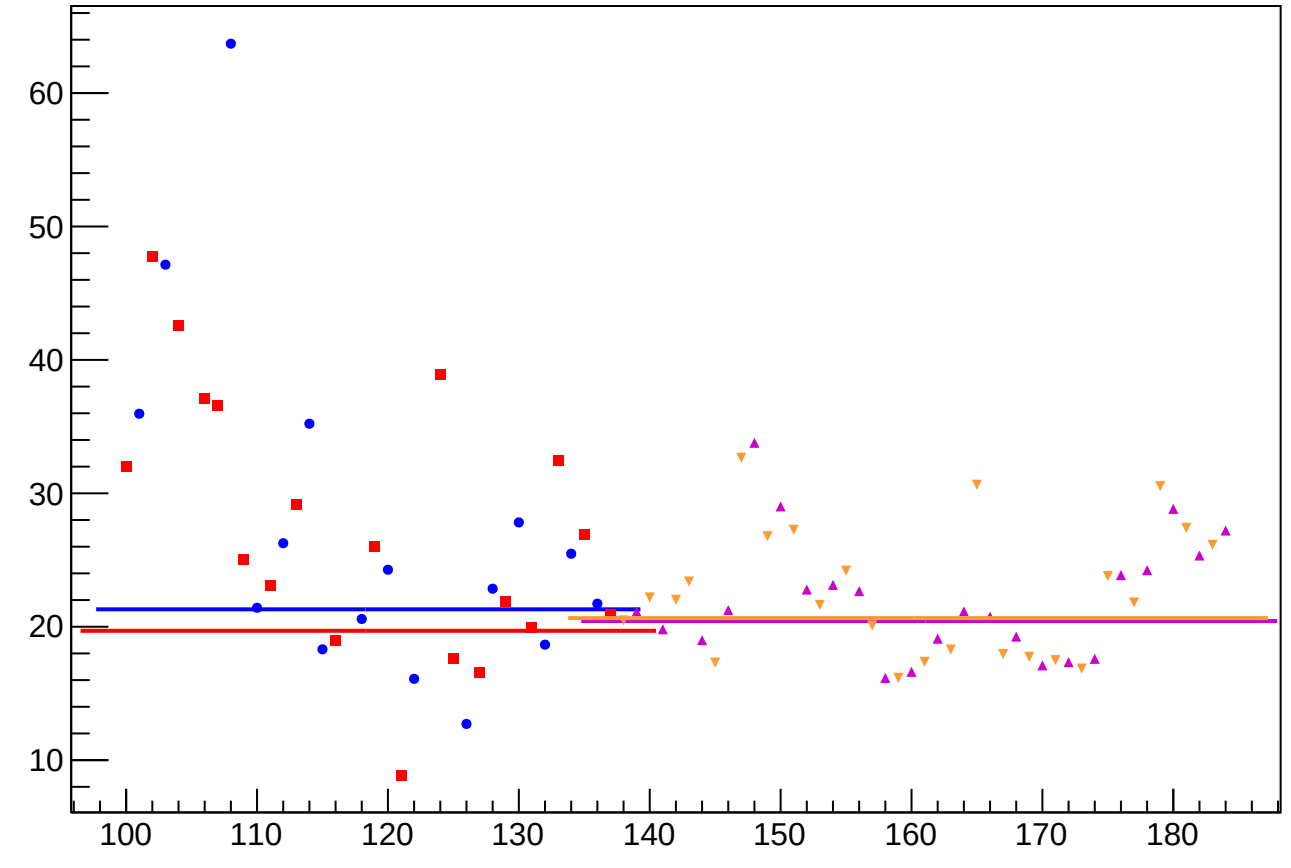
Left: 0.009+/-0.003 χ^2/NDF: 66.3/46

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.002+/-0.004 χ^2/NDF:32.4/38

Out: 0.010+/-0.004 χ^2/NDF:63.4/42

All: 0.004+/-0.003 χ^2/NDF: 100.2/81



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: 20.429+/-0.003 χ^2/NDF:1173949.1/22

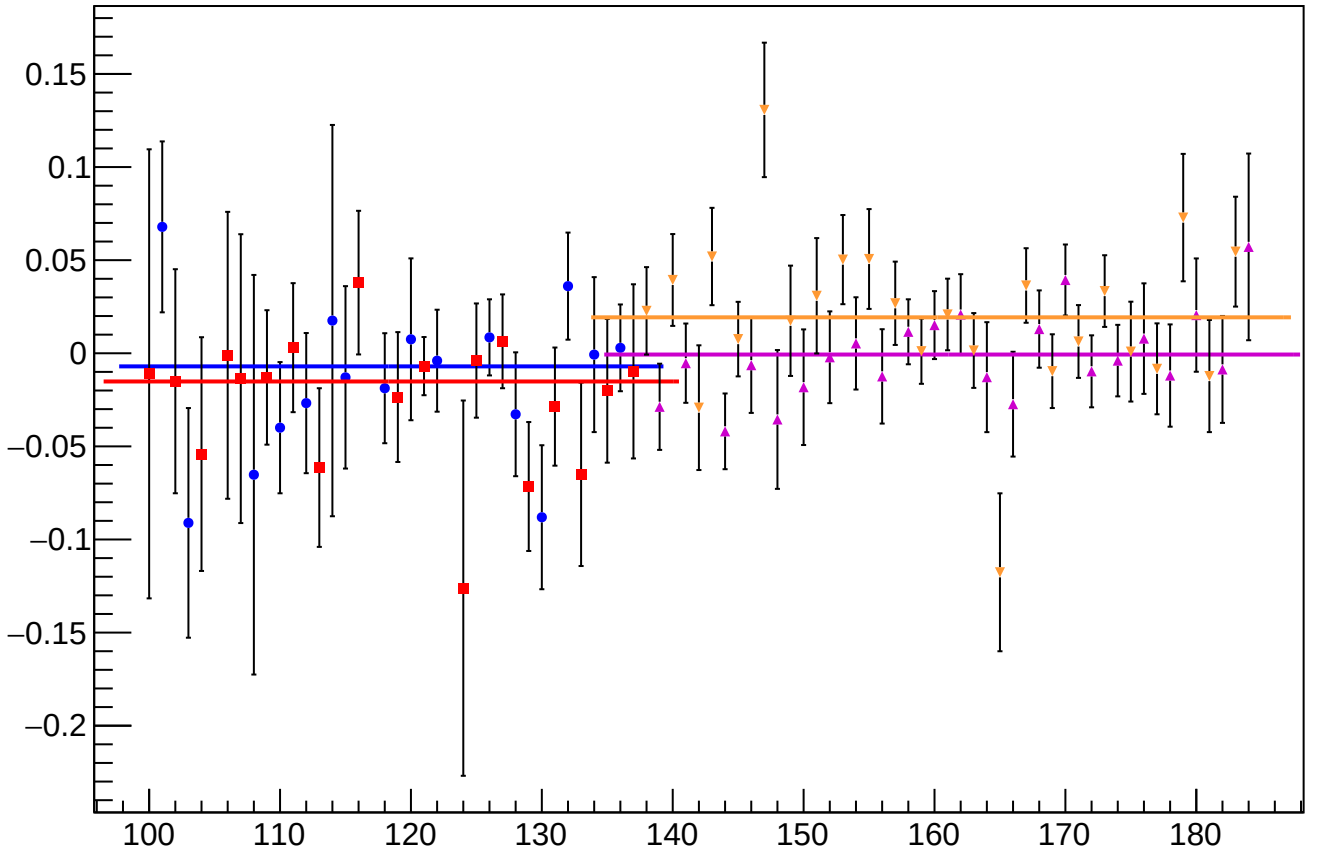
Left: 20.540+/-0.002 χ^2/NDF: 2608060.5/46

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.645+/-0.003 χ^2/NDF:2668910.7/38

Out: 20.400+/-0.003 χ^2/NDF:3890866.9/42

All: 20.520+/-0.002 χ^2/NDF: 6563118.6/81



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:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.3/46

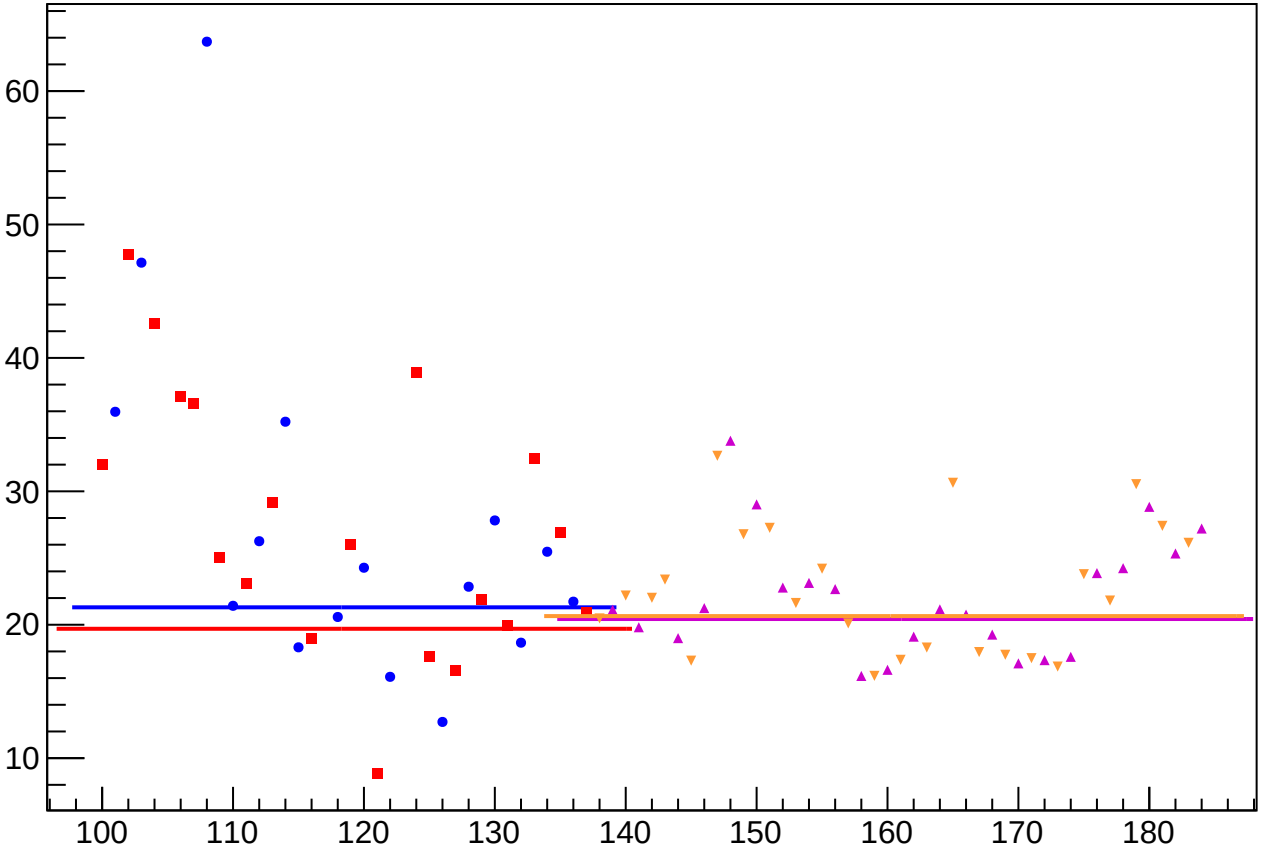
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.002+/-0.004 χ^2/NDF:32.4/38

Out: 0.010+/-0.004 χ^2/NDF:63.4/42

All: 0.004+/-0.003 χ^2/NDF: 100.2/81

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: 20.429+/-0.003 χ^2/NDF:1173949.1/22

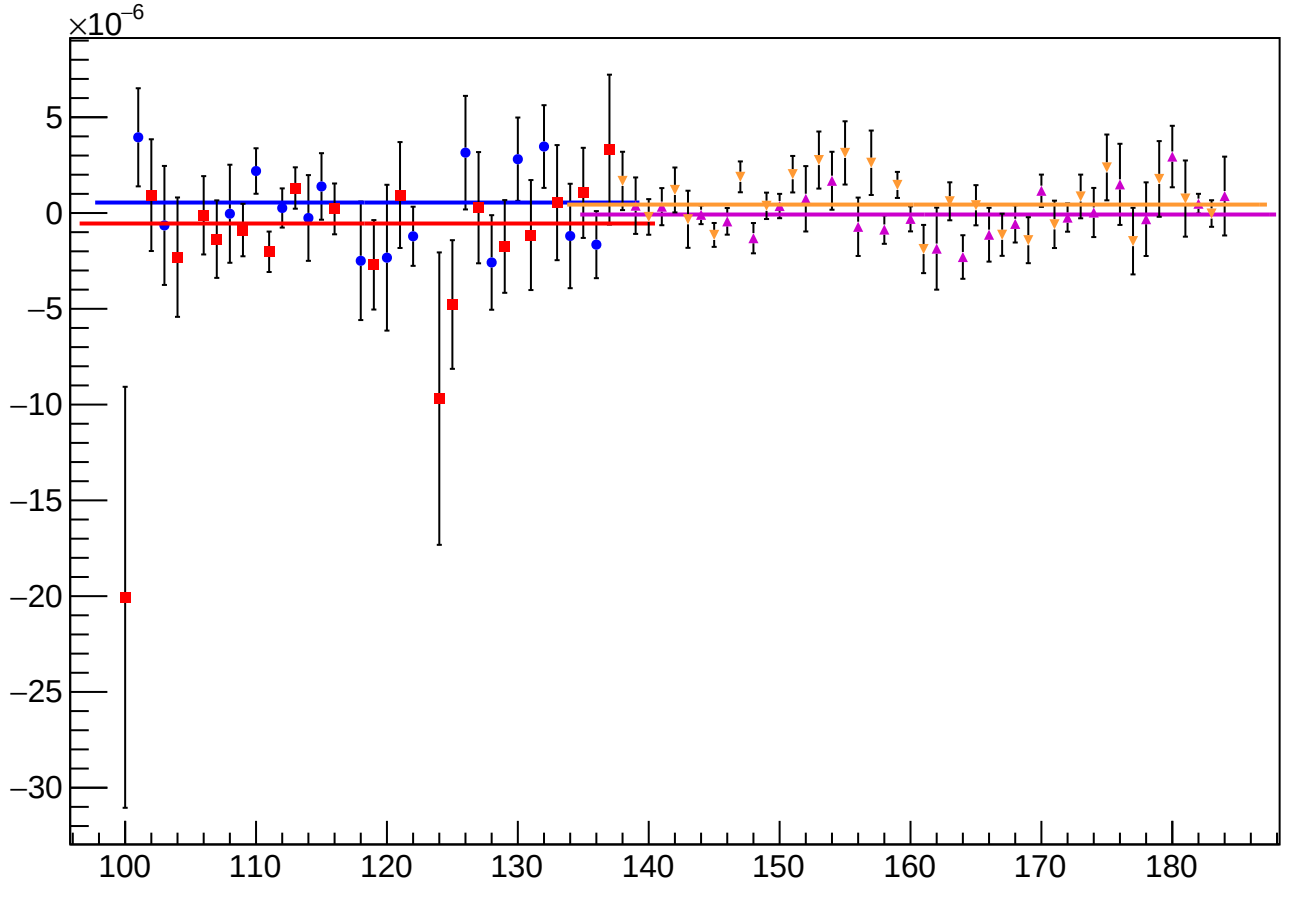
Left: 20.540+/-0.002 χ^2/NDF: 2608060.5/46

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.645+/-0.003 χ^2/NDF:2668910.7/38

Out: 20.400+/-0.003 χ^2/NDF:3890866.9/42

All: 20.520+/-0.002 χ^2/NDF: 6563118.6/81



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:19.5/22

Left: 0.000+/-0.000 χ^2/NDF: 58.4/46

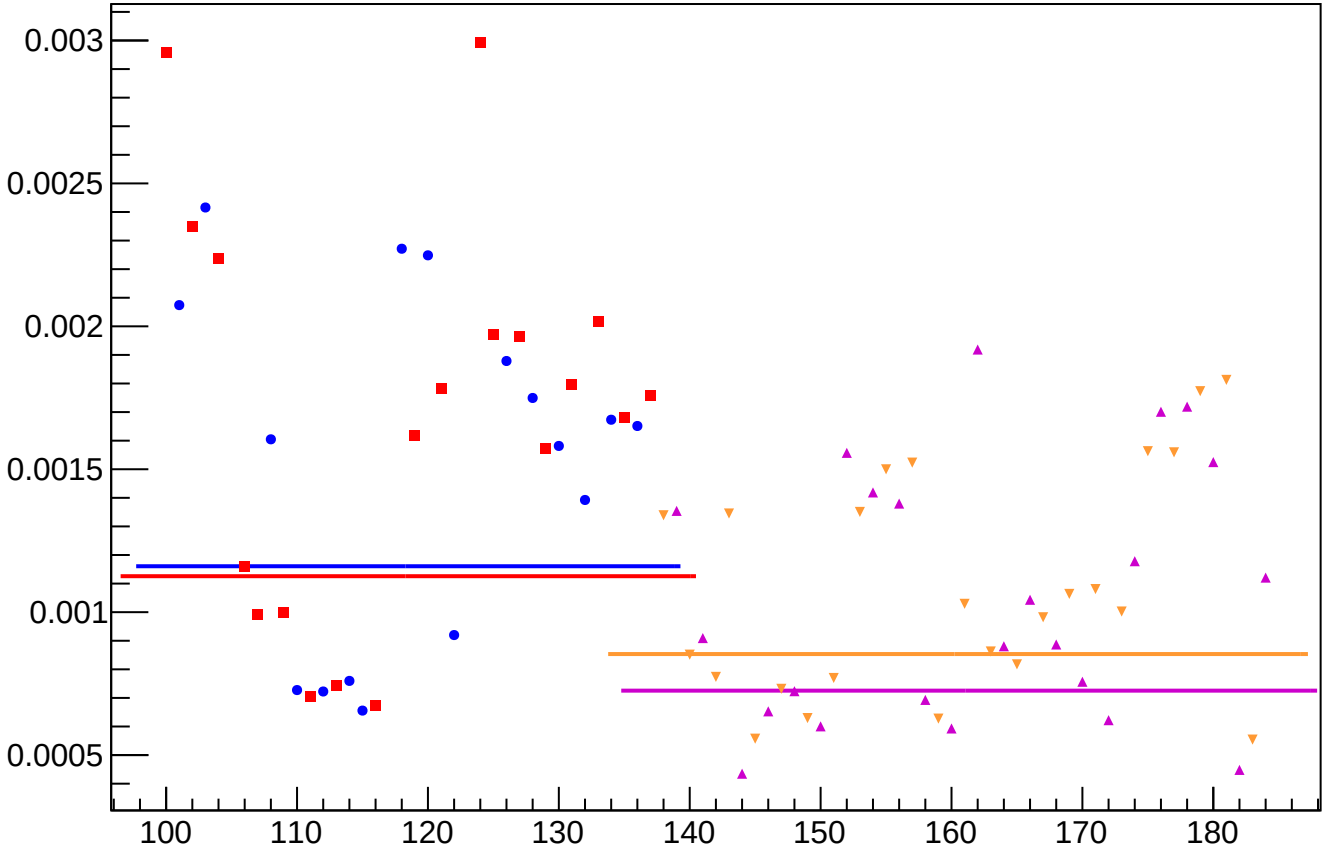
Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: 0.000+/-0.000 χ^2/NDF:35.5/38

Out: 0.000+/-0.000 χ^2/NDF:54.6/42

All: 0.000+/-0.000 χ^2/NDF: 91.1/81

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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:5805288.5/22

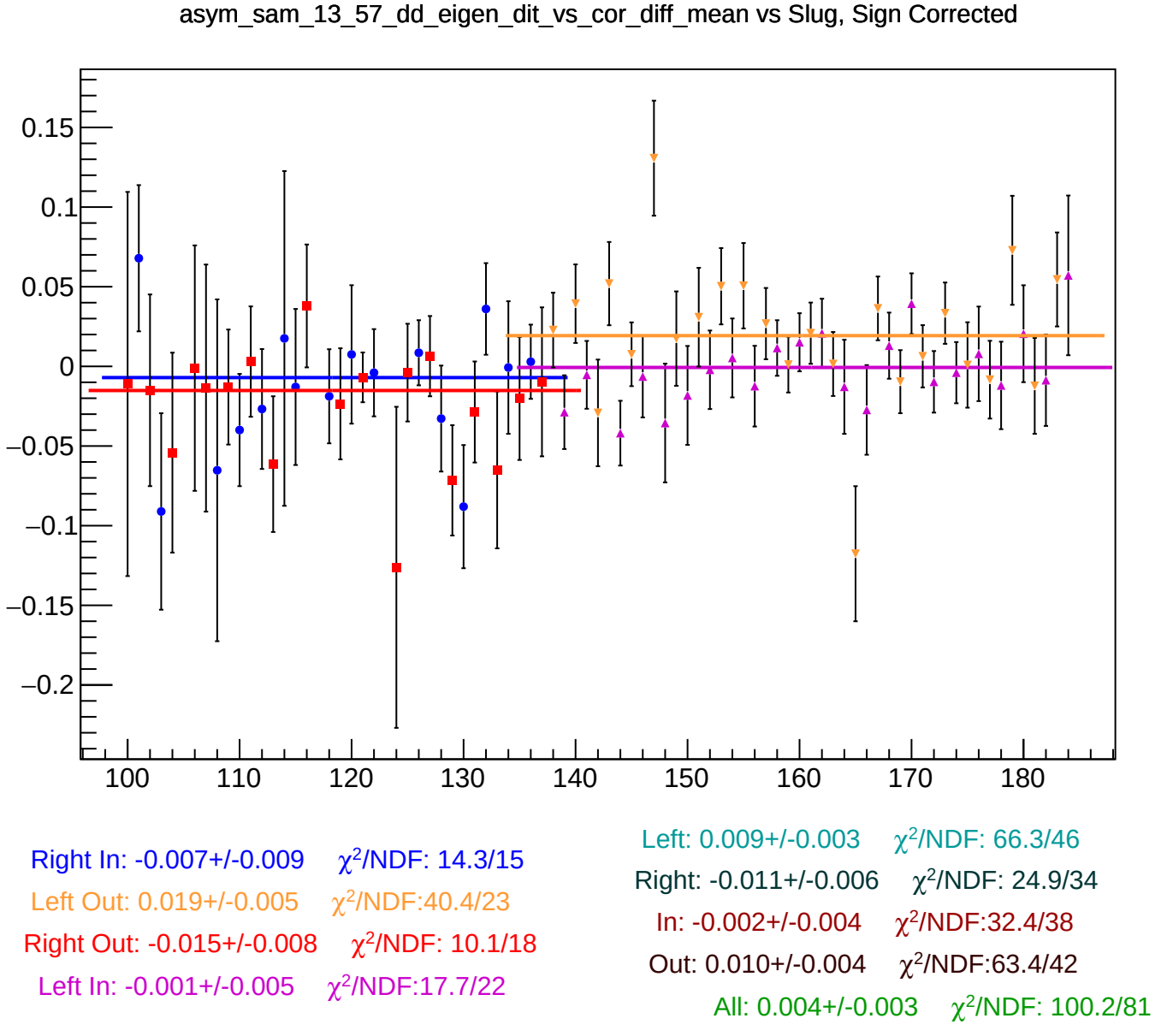
Left: 0.001+/-0.000 χ^2/NDF: 10608006.5/46

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

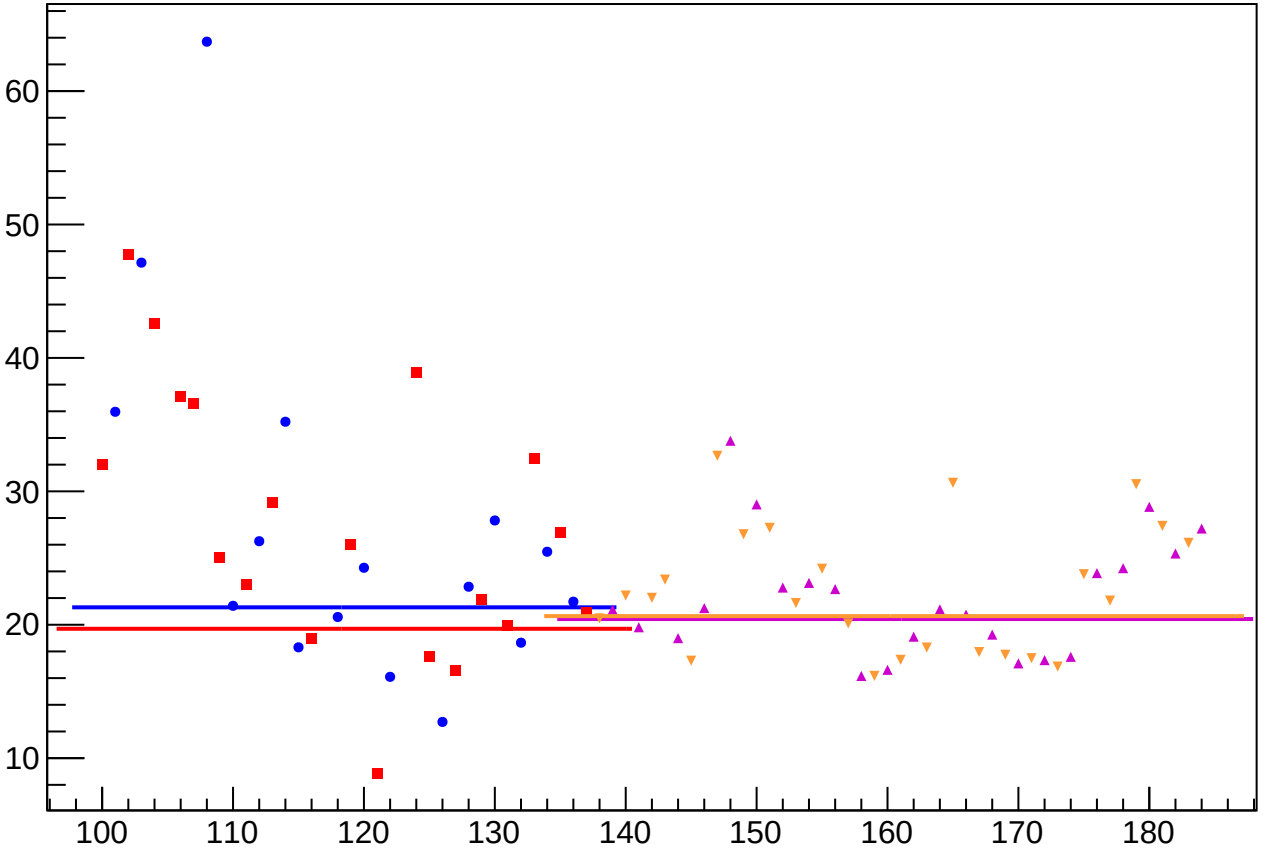
In: 0.001+/-0.000 χ^2/NDF:9773230.0/38

Out: 0.001+/-0.000 χ^2/NDF:7598832.9/42

All: 0.001+/-0.000 χ^2/NDF: 17786532.1/81


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.019+/-0.005 χ²/NDF:40.4/23
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.001+/-0.005 χ²/NDF:17.7/22
Left: 0.009+/-0.003 χ²/NDF: 66.3/46
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.002+/-0.004 χ²/NDF:32.4/38
Out: 0.010+/-0.004 χ²/NDF:63.4/42
All: 0.004+/-0.003 χ²/NDF: 100.2/81

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.648+/-0.003 χ^2/NDF:1432222.7/23

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

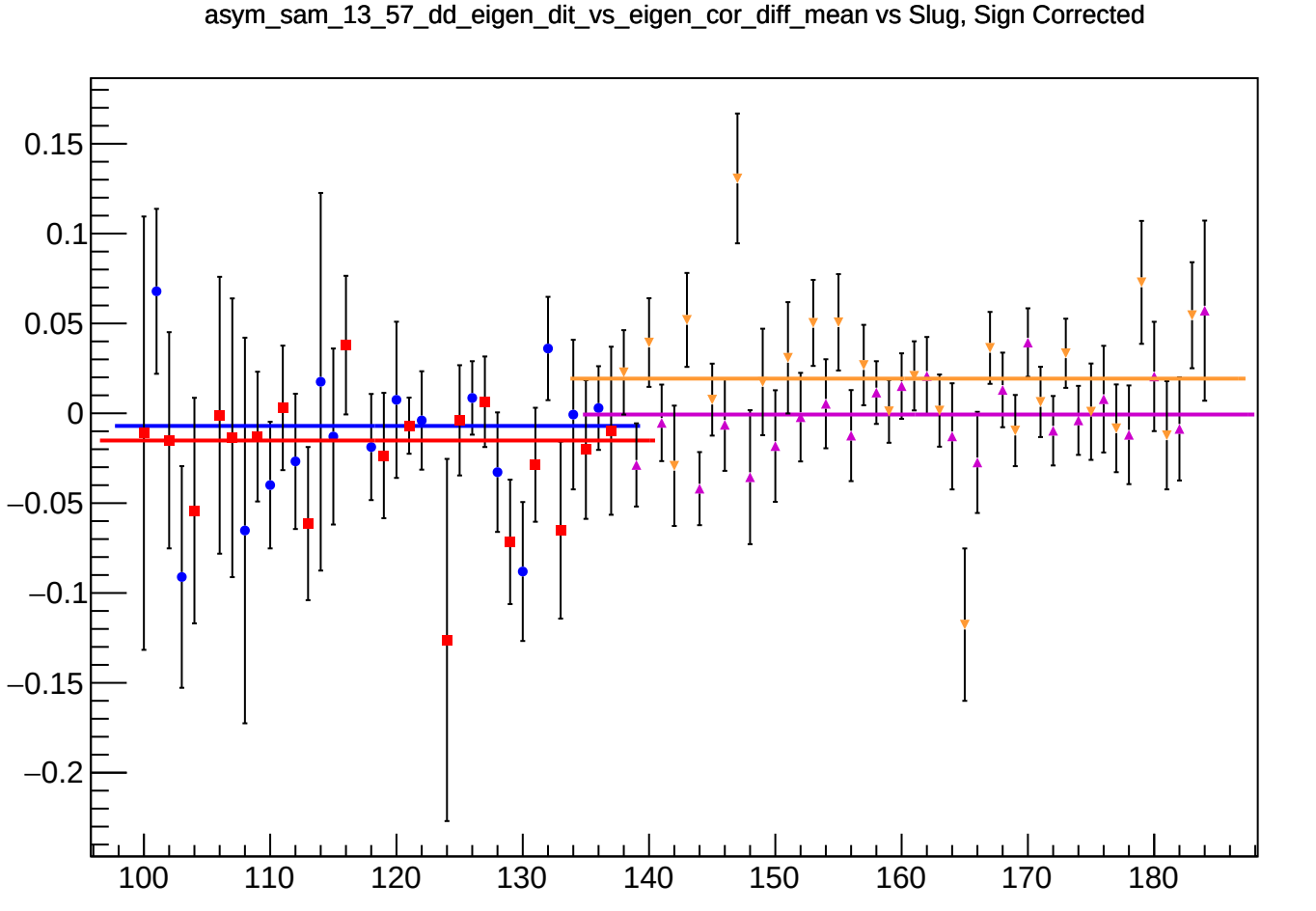
Left: 20.539+/-0.002 χ^2/NDF: 2608207.1/46

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

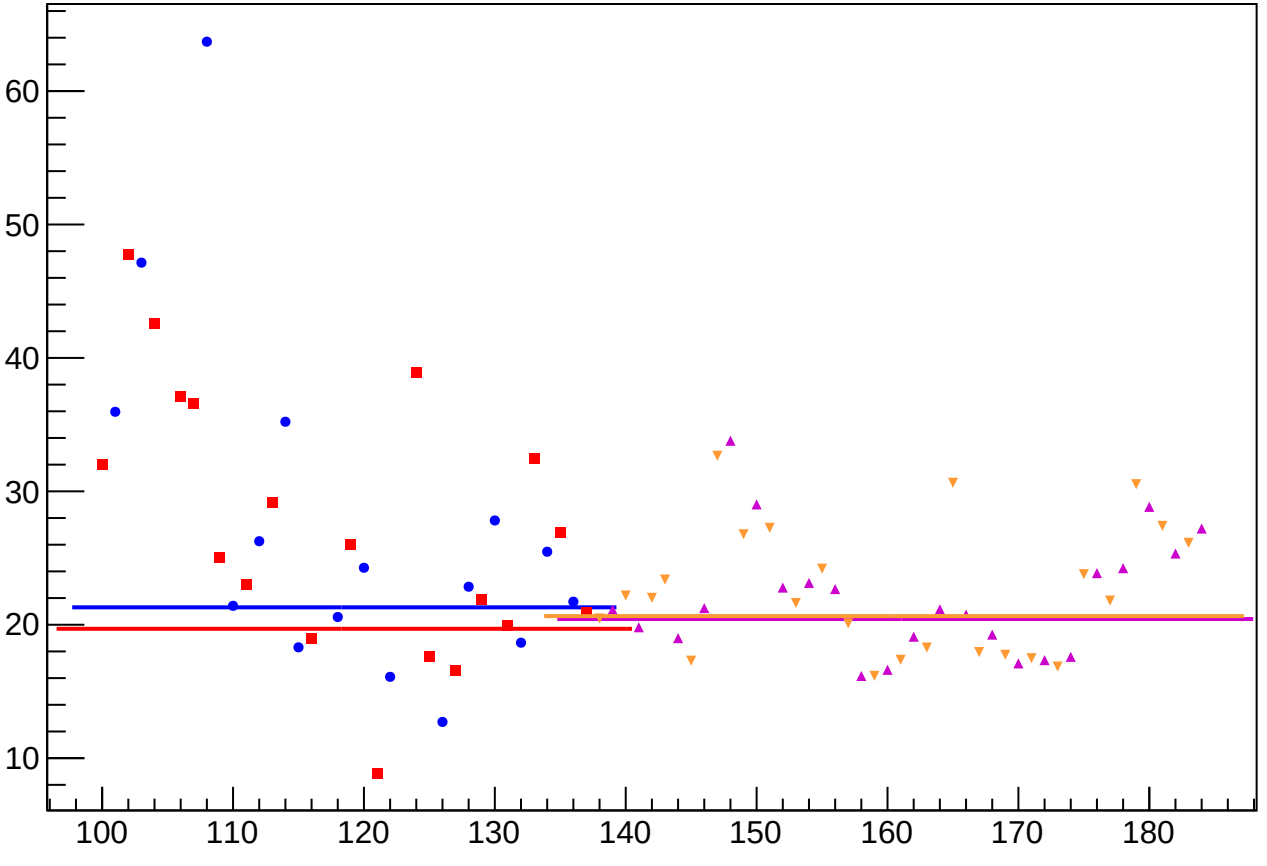
In: 20.645+/-0.003 χ^2/NDF:2668799.5/38

Out: 20.400+/-0.003 χ^2/NDF:3890571.9/42

All: 20.520+/-0.002 χ^2/NDF: 6562711.1/81


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.019+/-0.005 χ²/NDF:40.4/23
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.001+/-0.005 χ²/NDF:17.7/22
Left: 0.009+/-0.003 χ²/NDF: 66.3/46
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.002+/-0.004 χ²/NDF:32.4/38
Out: 0.010+/-0.004 χ²/NDF:63.4/42
All: 0.004+/-0.003 χ²/NDF: 100.2/81

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.648+/-0.003 χ^2/NDF:1432222.7/23

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

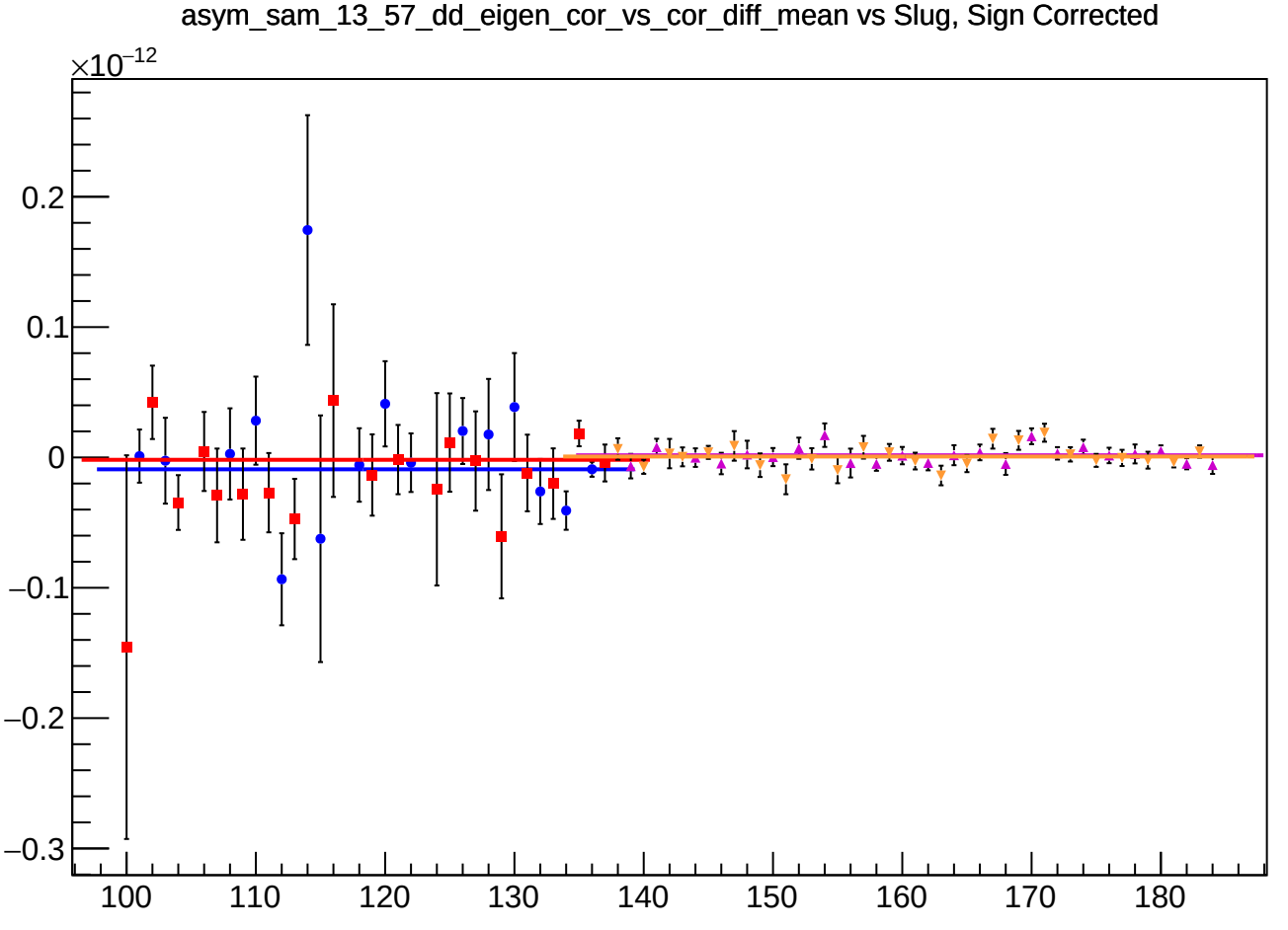
Left: 20.539+/-0.002 χ^2/NDF: 2608207.1/46

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.645+/-0.003 χ^2/NDF:2668799.5/38

Out: 20.400+/-0.003 χ^2/NDF:3890571.9/42

All: 20.520+/-0.002 χ^2/NDF: 6562711.1/81



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:20.6/22

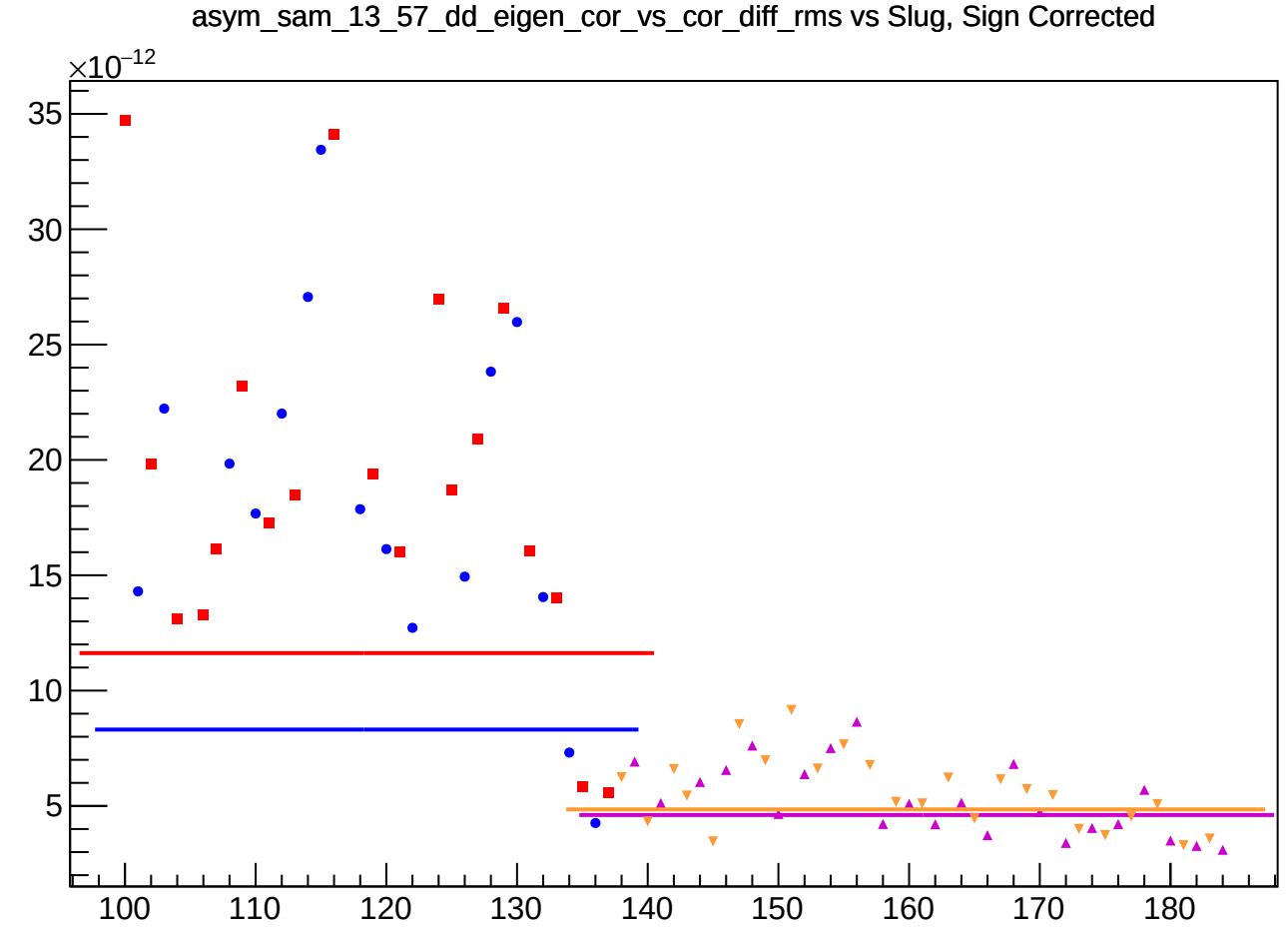
Left: 0.000+/-0.000 χ^2/NDF: 49.5/46

Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: 0.000+/-0.000 χ^2/NDF:48.4/38

Out: 0.000+/-0.000 χ^2/NDF:45.9/42

All: 0.000+/-0.000 χ^2/NDF: 94.3/81



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:1908439.7/22

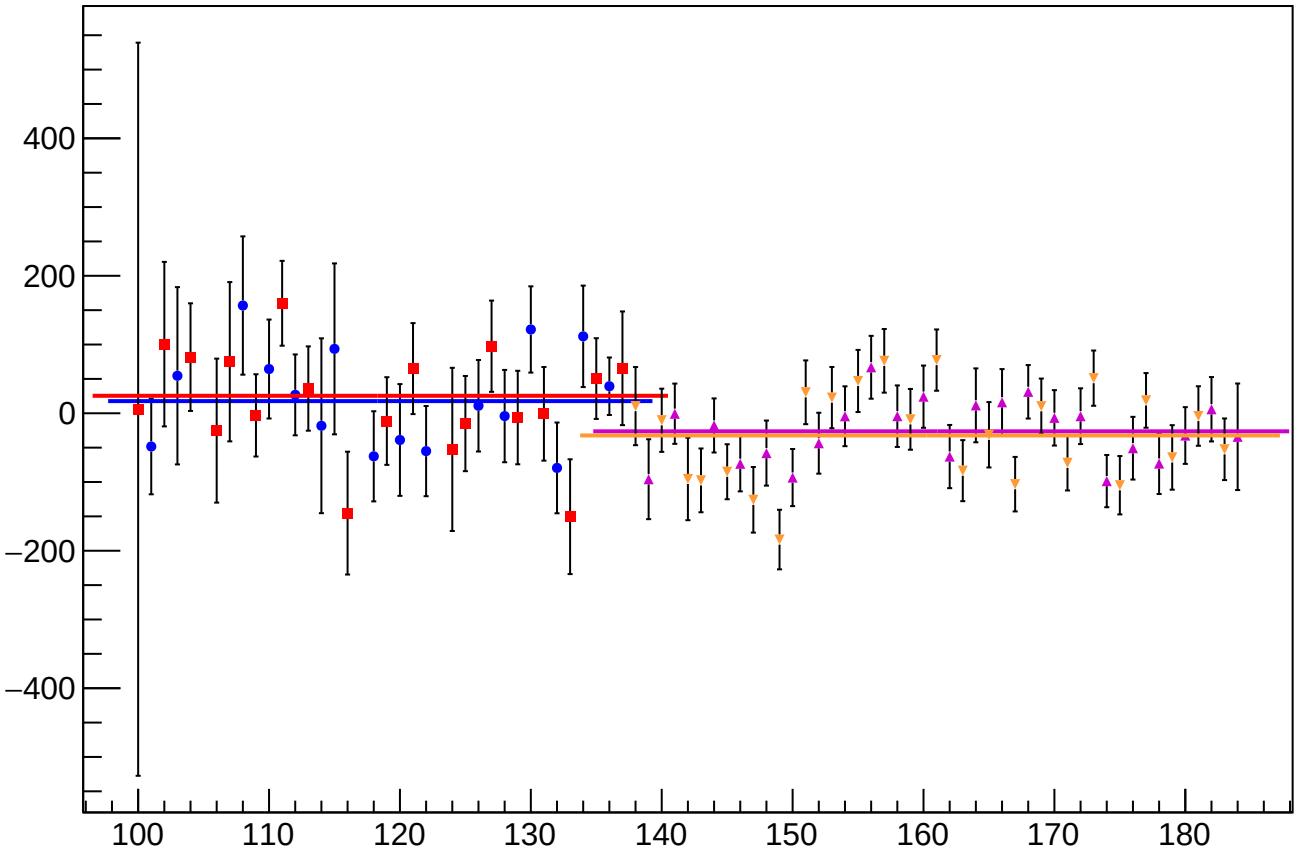
Left: 0.000+/-0.000 χ^2/NDF: 3950558.0/46

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:6887536.3/38

Out: 0.000+/-0.000 χ^2/NDF:7310166.3/42

All: 0.000+/-0.000 χ^2/NDF: 14251564.0/81



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: -26.267+/-9.271 χ^2/NDF:22.5/22

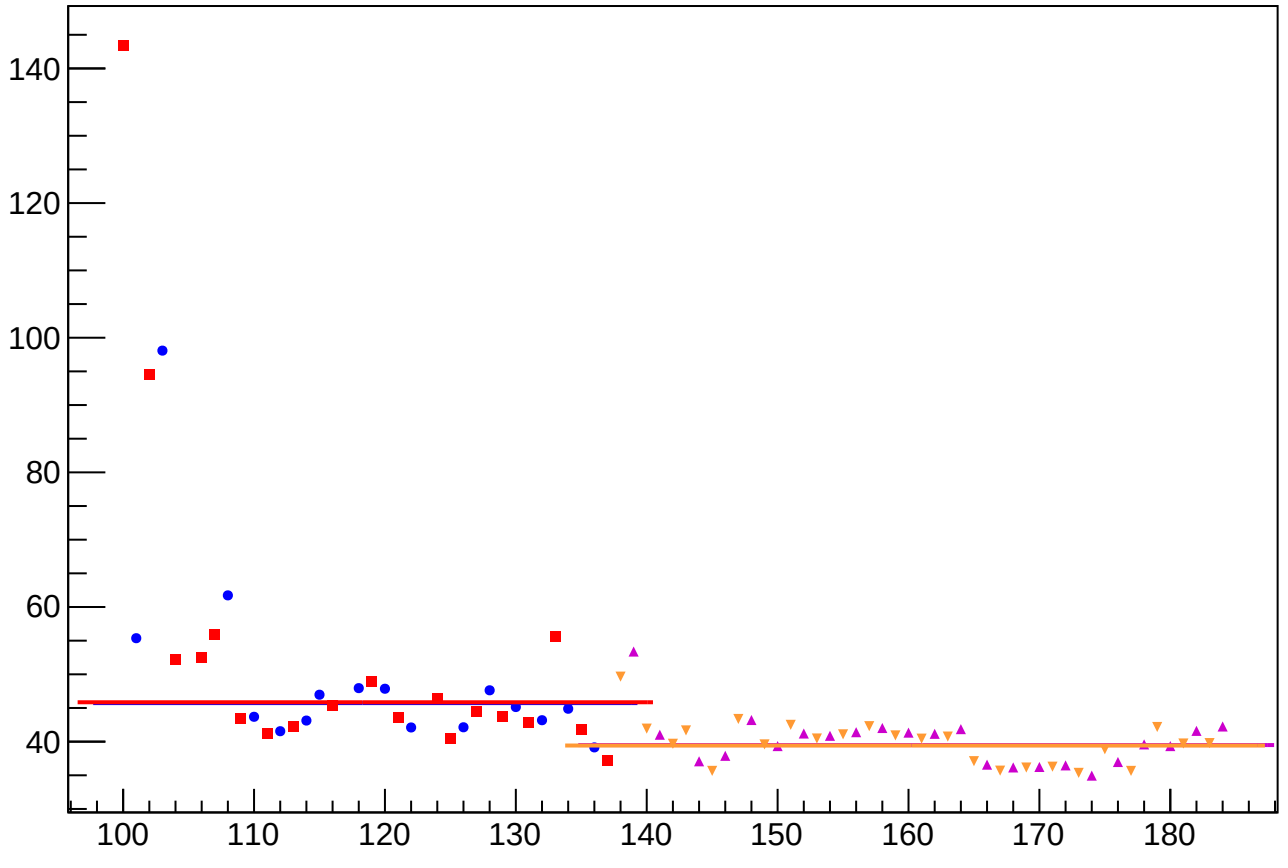
Left: -29.341+/-6.481 χ^2/NDF: 79.2/46

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -16.605+/-8.190 χ^2/NDF:41.4/38

Out: -19.889+/-8.033 χ^2/NDF:83.1/42

All: -18.278+/-5.735 χ^2/NDF: 124.5/81



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: 39.491+/-0.007 χ^2/NDF:251801.8/22

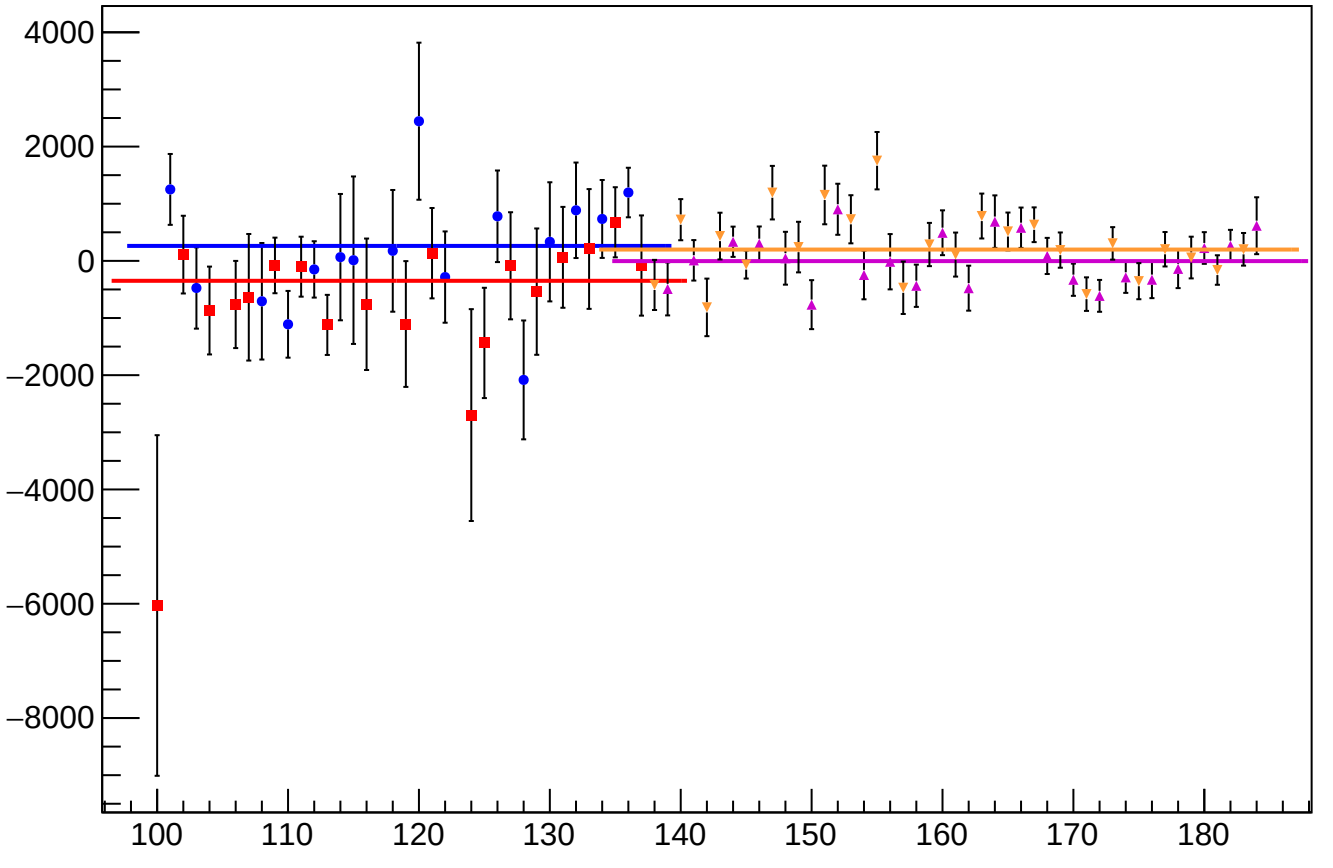
Left: 39.457+/-0.005 χ^2/NDF: 477928.9/46

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 40.861+/-0.006 χ^2/NDF:952083.6/38

Out: 40.804+/-0.006 χ^2/NDF:981948.7/42

All: 40.832+/-0.004 χ^2/NDF: 1934083.0/81



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: -4.015+/-71.981 χ^2/NDF:32.4/22

Left: 98.286+/-50.591 χ^2/NDF: 84.9/46

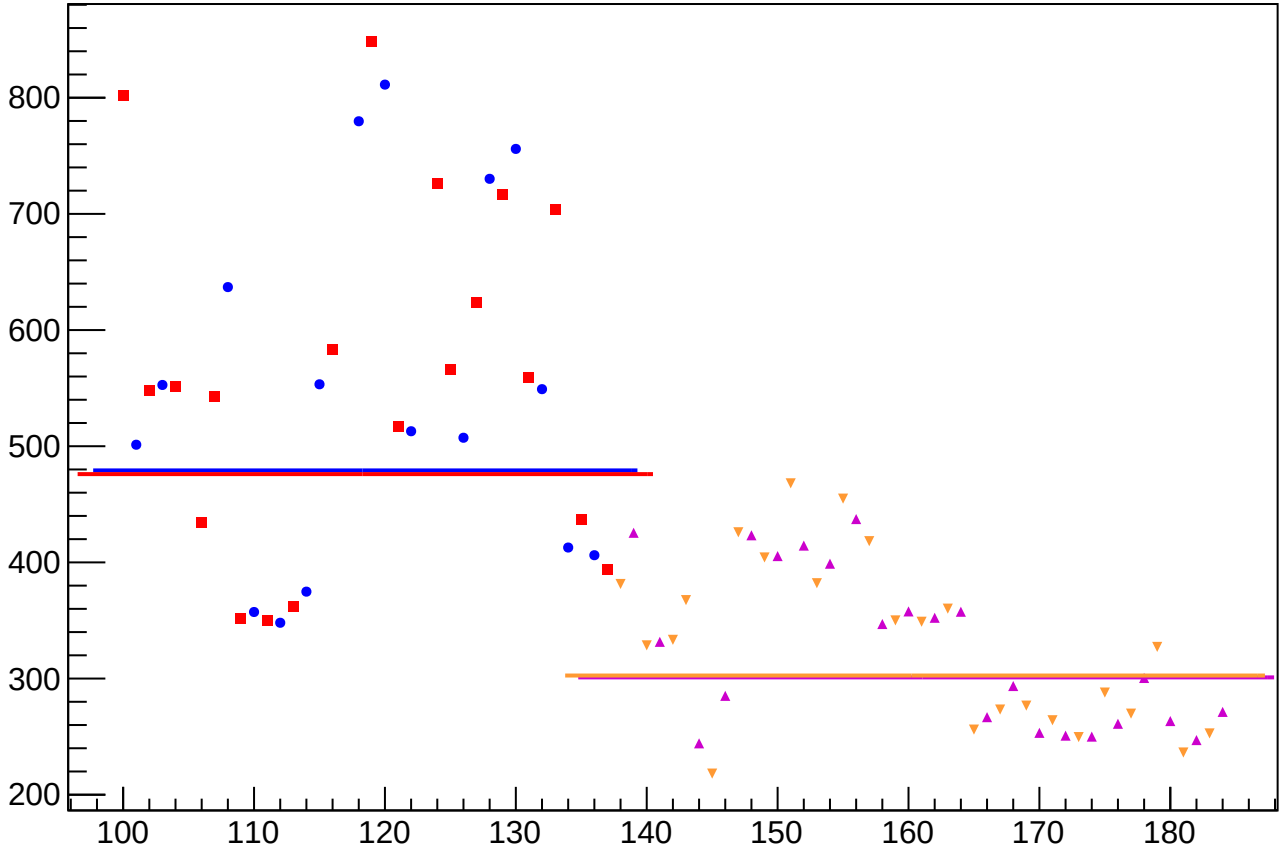
Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 30.885+/-67.092 χ^2/NDF:59.1/38

Out: 124.794+/-66.177 χ^2/NDF:71.4/42

All: 78.484+/-47.114 χ^2/NDF: 131.5/81

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 302.607+/-0.050 χ^2/NDF:1712886.1/23

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

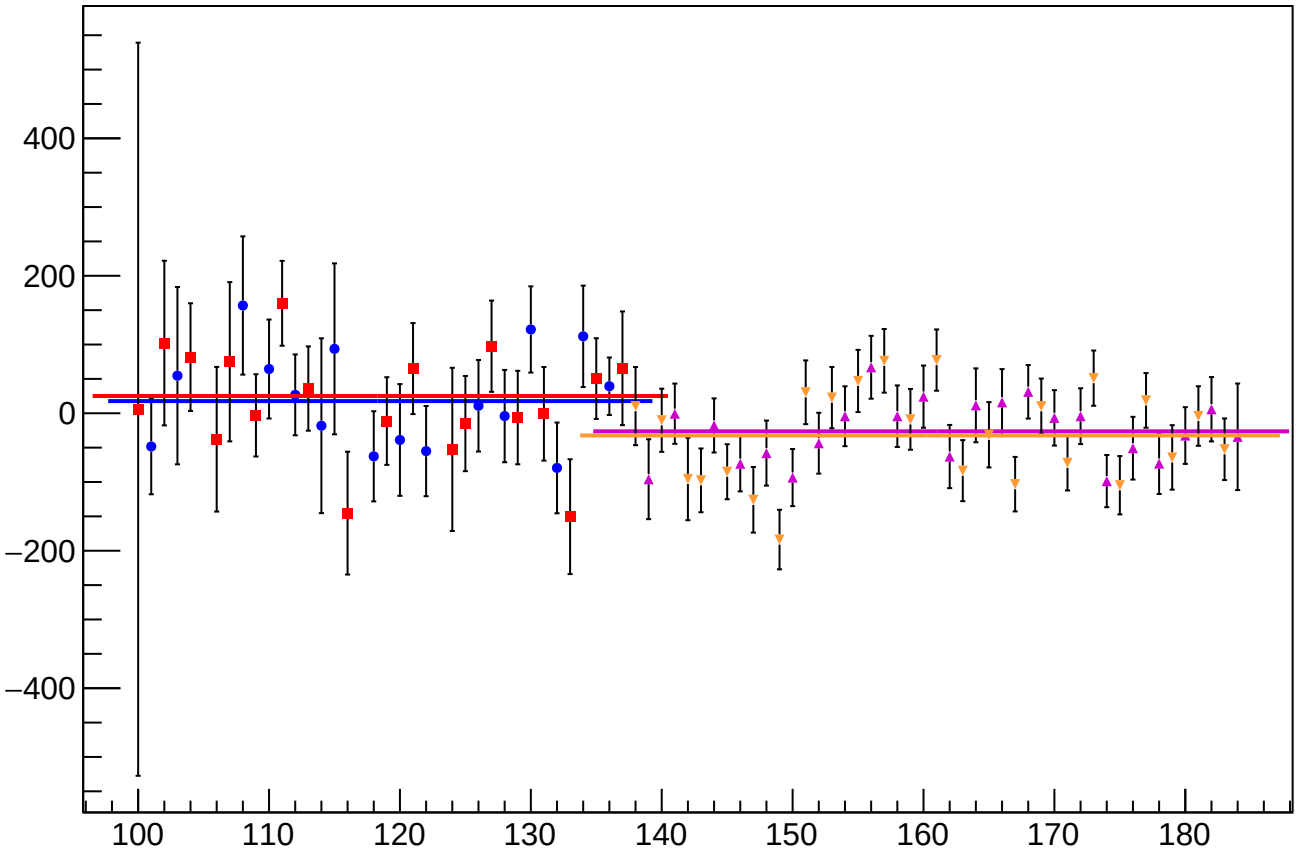
Left: 301.813+/-0.036 χ^2/NDF: 3120589.5/46

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 324.381+/-0.047 χ^2/NDF:3967995.4/38

Out: 325.866+/-0.047 χ^2/NDF:4314021.8/42

All: 325.134+/-0.033 χ^2/NDF: 8282514.3/81



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: -26.267+/-9.271 χ^2/NDF:22.5/22

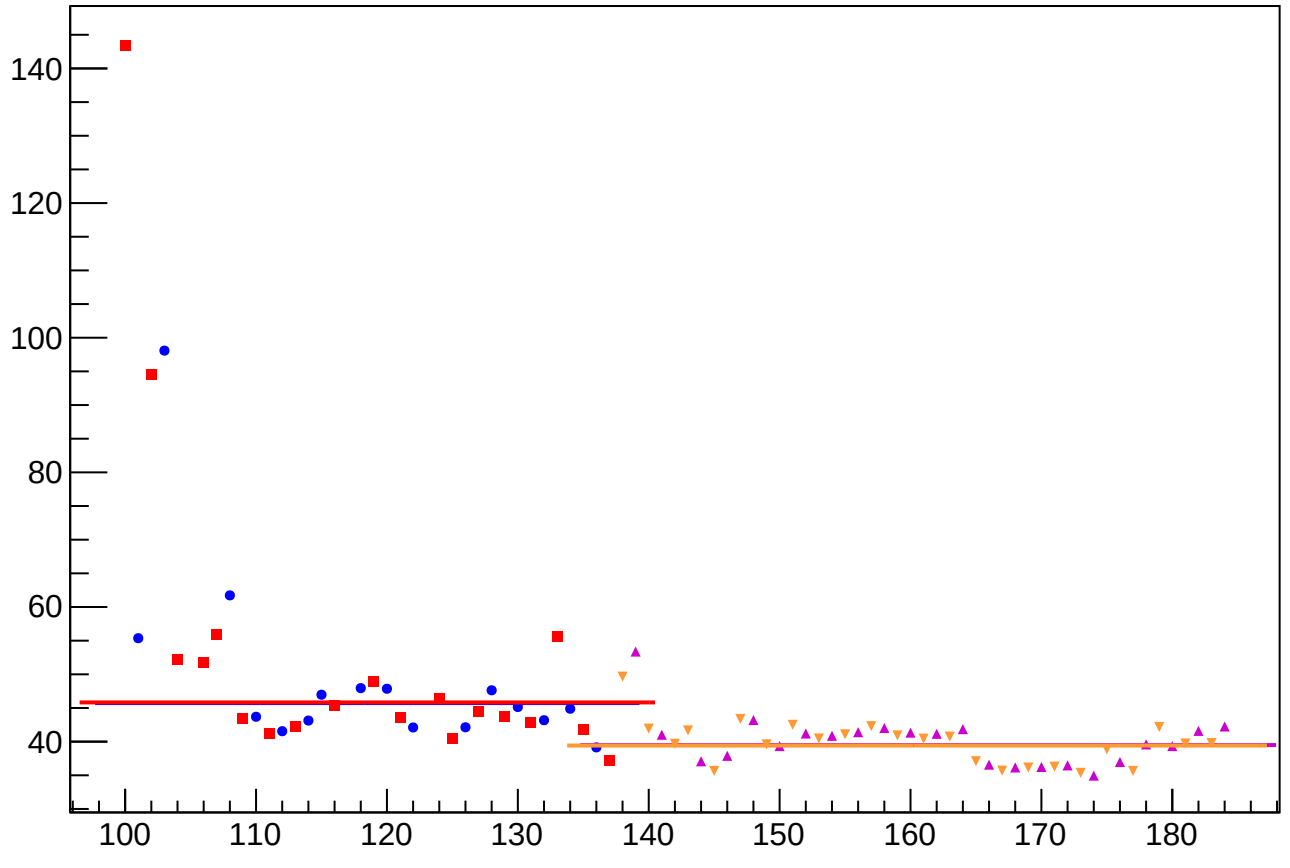
Left: -29.341+/-6.481 χ^2/NDF: 79.2/46

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -16.604+/-8.190 χ^2/NDF:41.4/38

Out: -19.955+/-8.033 χ^2/NDF:83.1/42

All: -18.312+/-5.735 χ^2/NDF: 124.6/81



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: 39.491+/-0.007 χ^2/NDF:251801.8/22

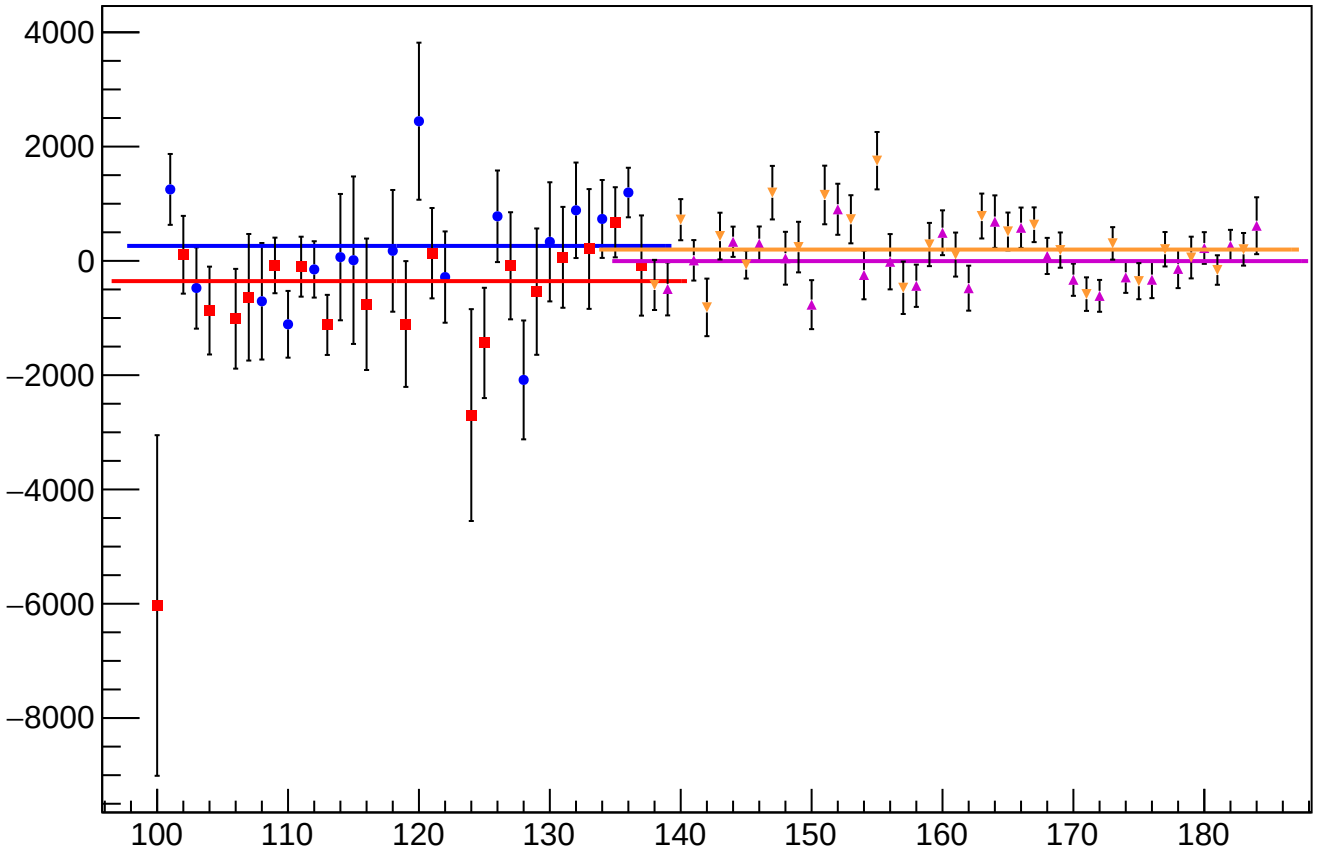
Left: 39.457+/-0.005 χ^2/NDF: 477928.9/46

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.861+/-0.006 χ^2/NDF:952086.5/38

Out: 40.798+/-0.006 χ^2/NDF:978619.2/42

All: 40.829+/-0.004 χ^2/NDF: 1930766.3/81



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: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.285+/-50.591 χ^2/NDF: 84.9/46

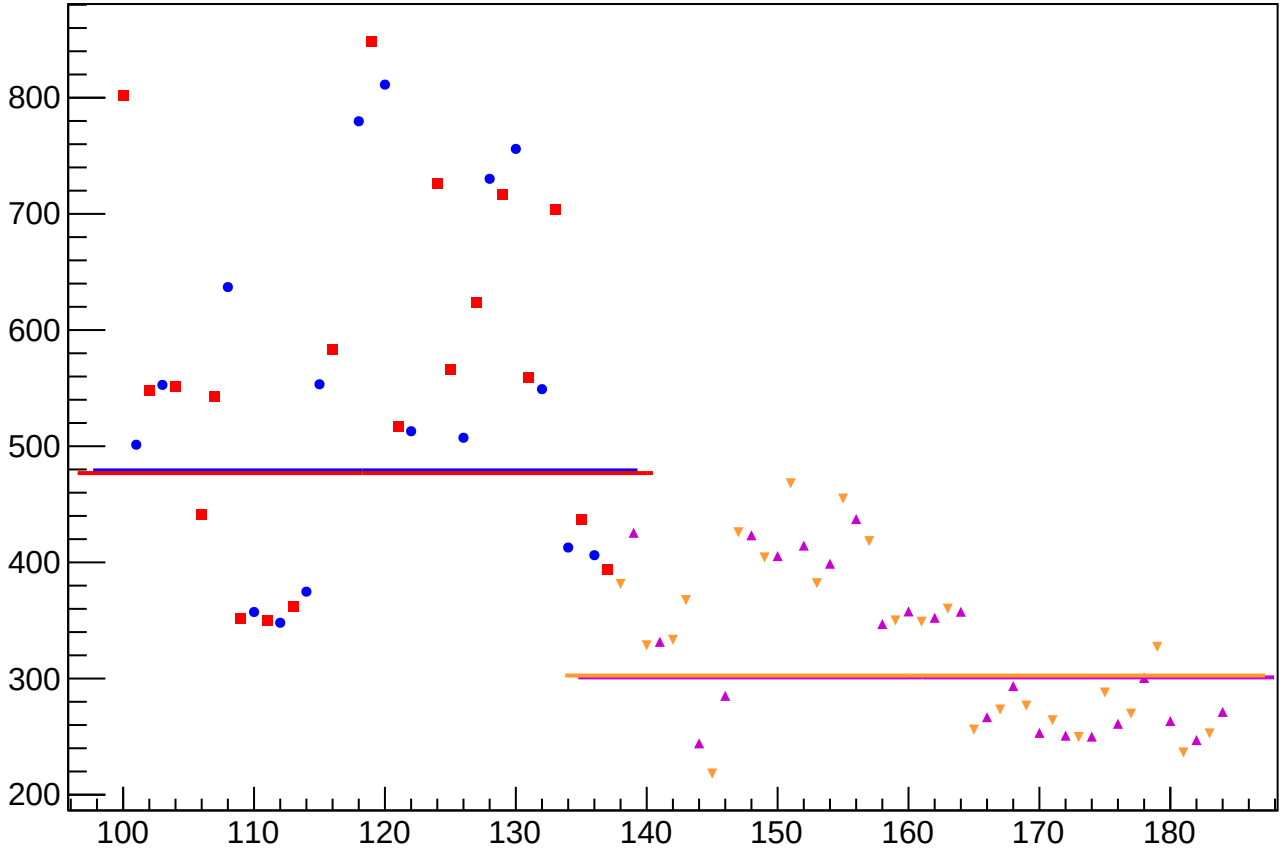
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 30.886+/-67.092 χ^2/NDF:59.1/38

Out: 124.912+/-66.236 χ^2/NDF:71.7/42

All: 78.502+/-47.136 χ^2/NDF: 131.9/81

asym_sam_15_37_dd_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: 300.999+/-0.051 χ^2/NDF:1407206.0/22

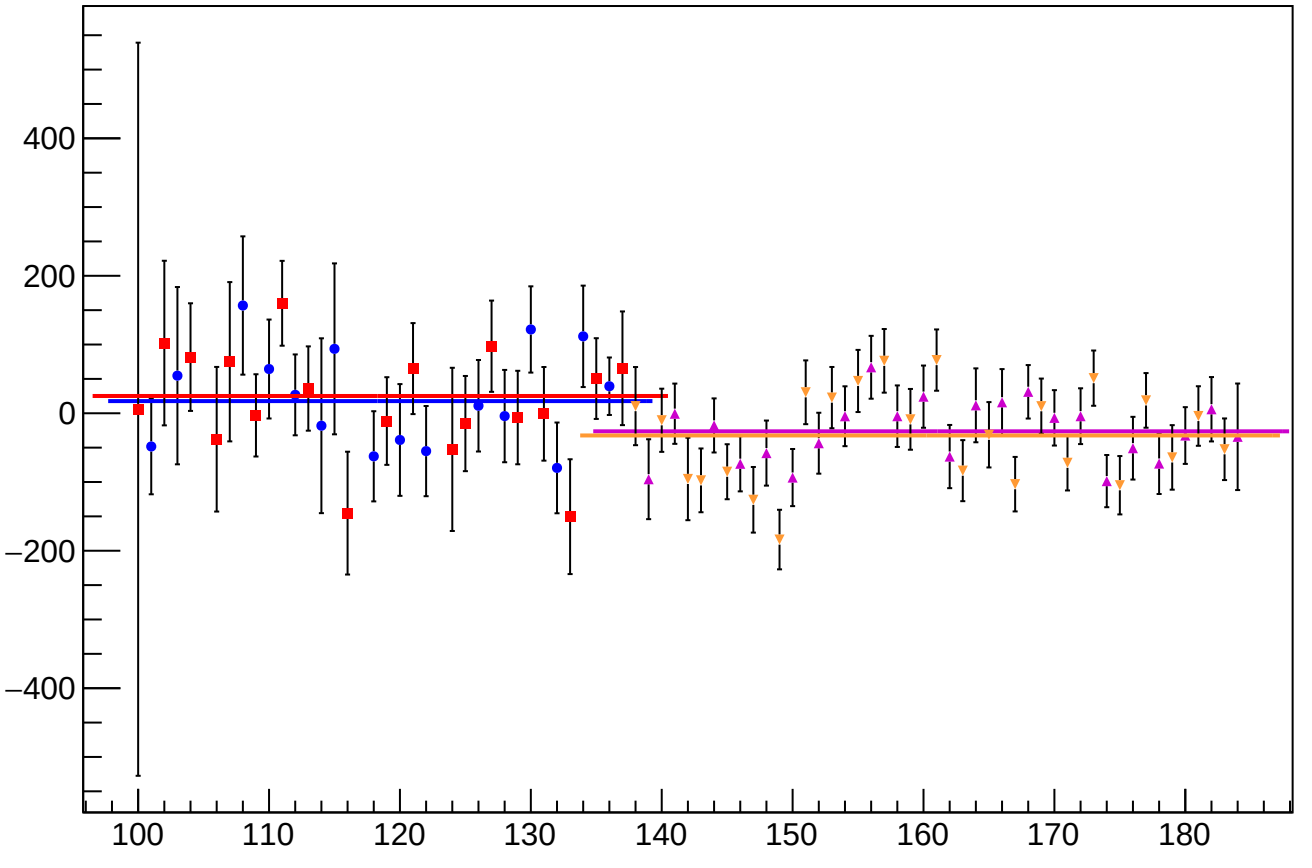
Left: 301.813+/-0.036 χ^2/NDF: 3120593.3/46

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 324.381+/-0.047 χ^2/NDF:3968056.8/38

Out: 325.716+/-0.047 χ^2/NDF:4309218.6/42

All: 325.057+/-0.033 χ^2/NDF: 8277676.7/81



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: -26.267+/-9.271 χ^2/NDF:22.5/22

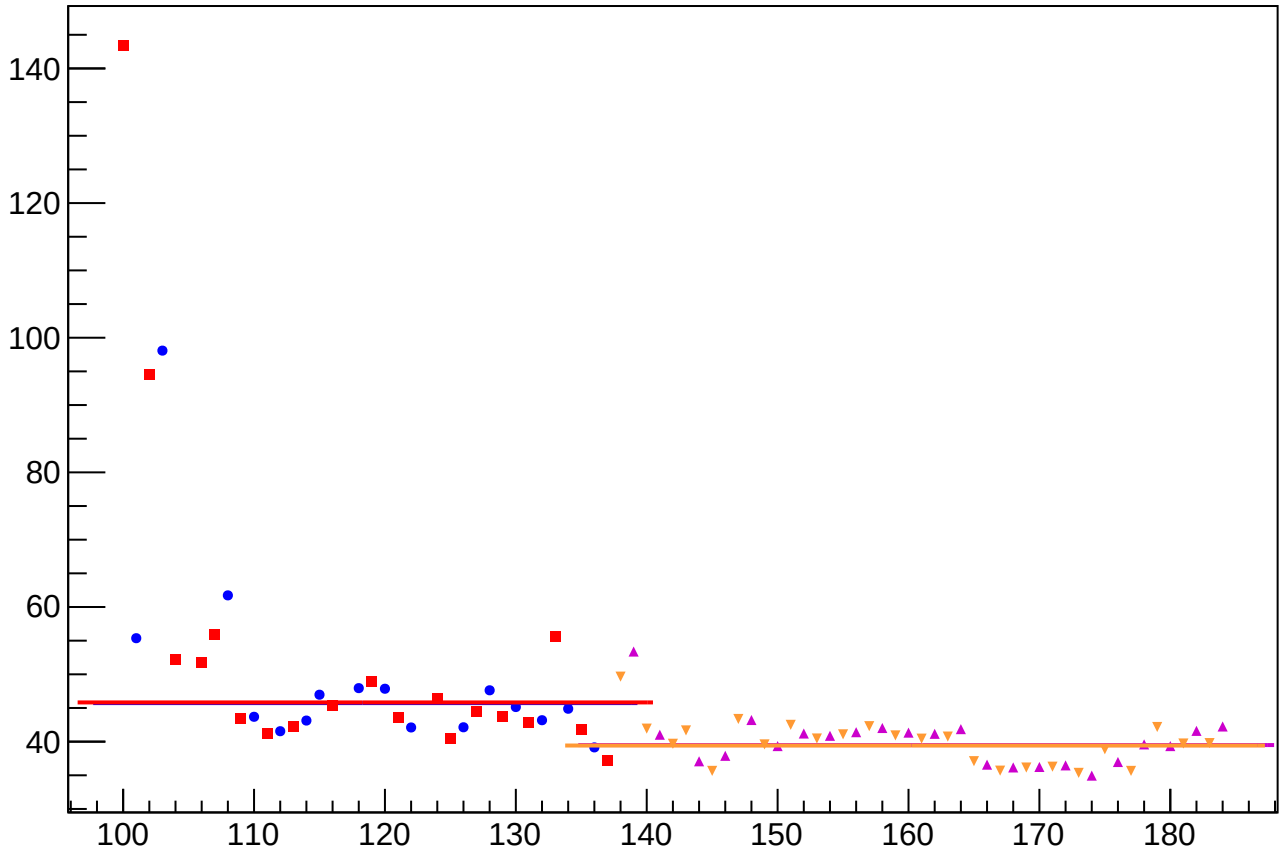
Left: -29.341+/-6.481 χ^2/NDF: 79.2/46

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -16.604+/-8.190 χ^2/NDF:41.4/38

Out: -19.955+/-8.033 χ^2/NDF:83.1/42

All: -18.312+/-5.735 χ^2/NDF: 124.6/81



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: 39.491+/-0.007 χ^2/NDF:251801.8/22

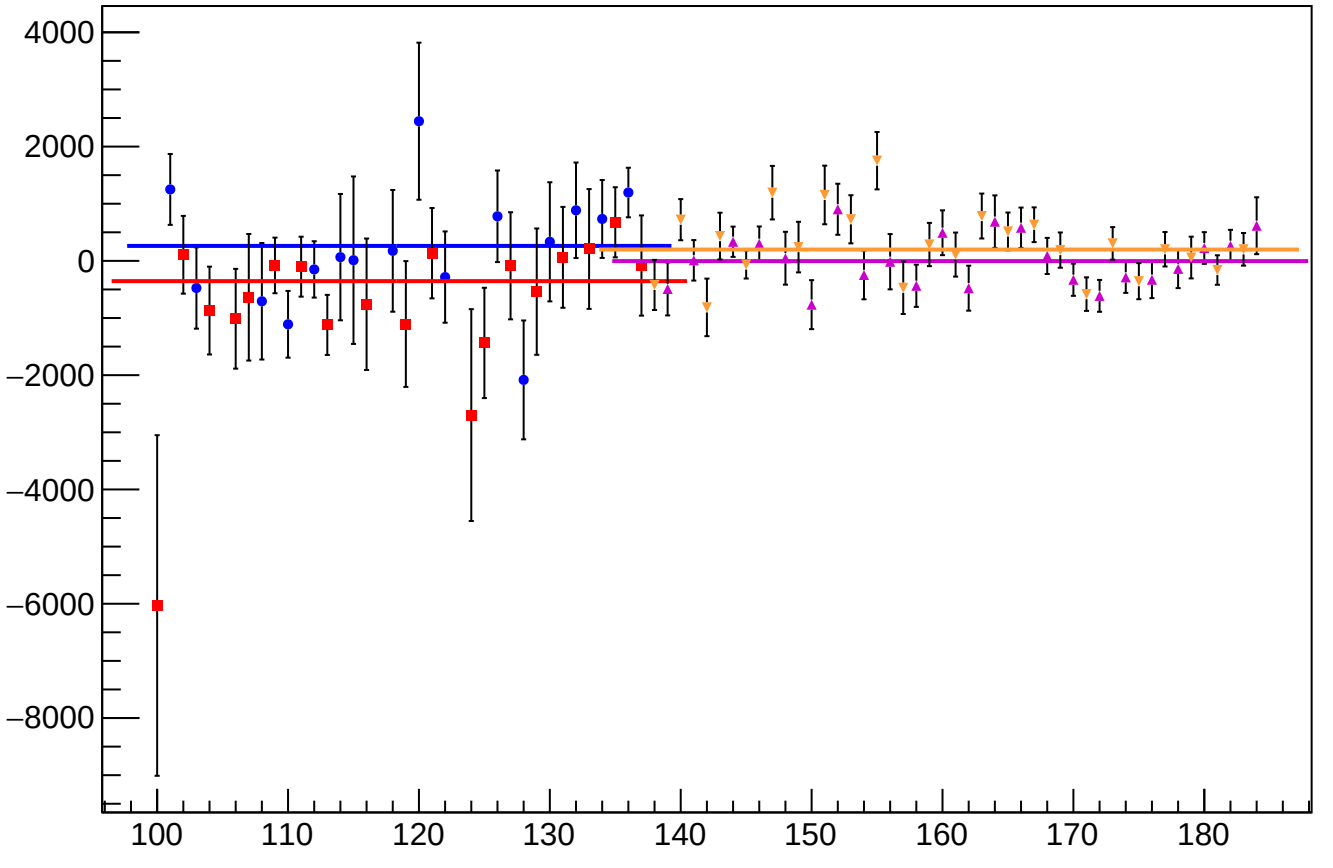
Left: 39.457+/-0.005 χ^2/NDF: 477928.9/46

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.861+/-0.006 χ^2/NDF:952086.5/38

Out: 40.798+/-0.006 χ^2/NDF:978619.2/42

All: 40.829+/-0.004 χ^2/NDF: 1930766.3/81



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: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.285+/-50.591 χ^2/NDF: 84.9/46

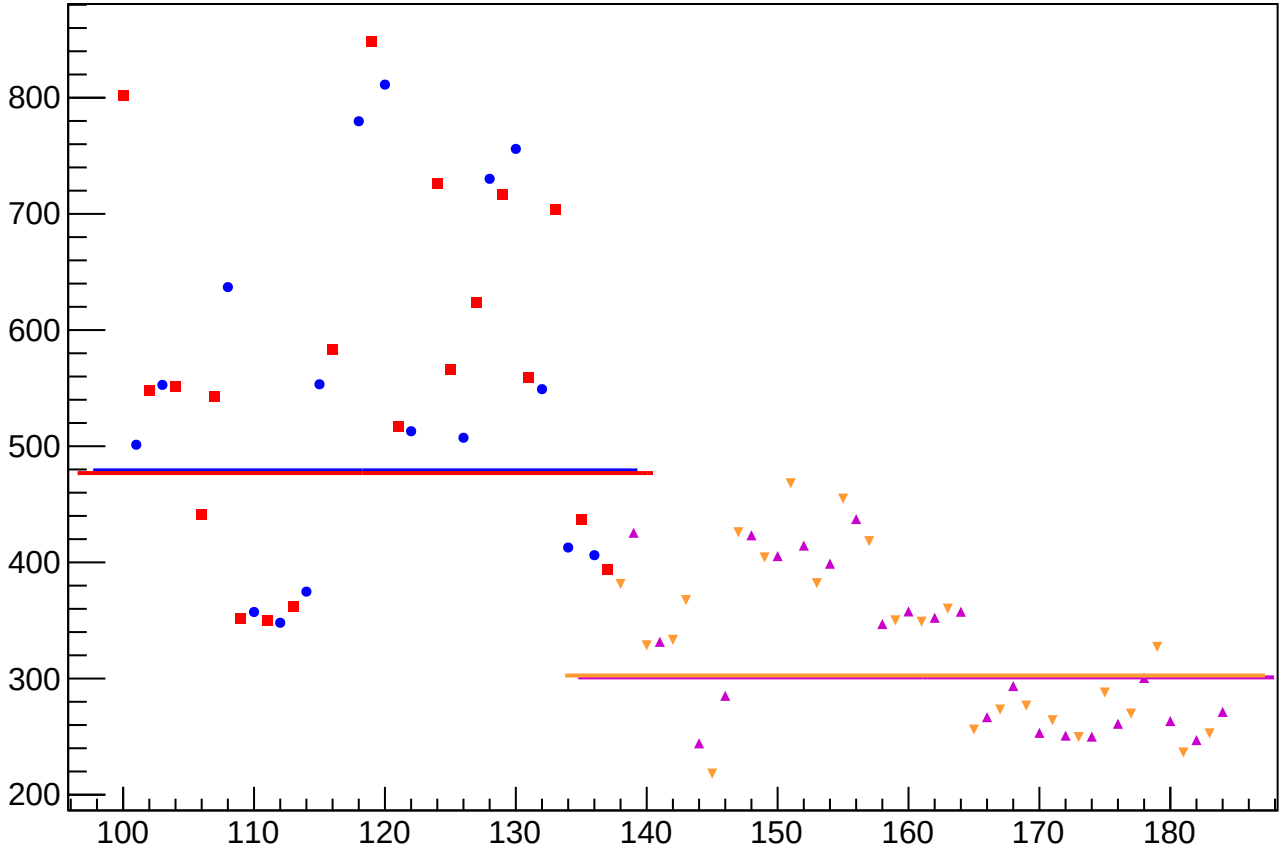
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 30.886+/-67.092 χ^2/NDF:59.1/38

Out: 124.912+/-66.236 χ^2/NDF:71.7/42

All: 78.502+/-47.136 χ^2/NDF: 131.9/81

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: 300.999+/-0.051 χ^2/NDF:1407206.0/22

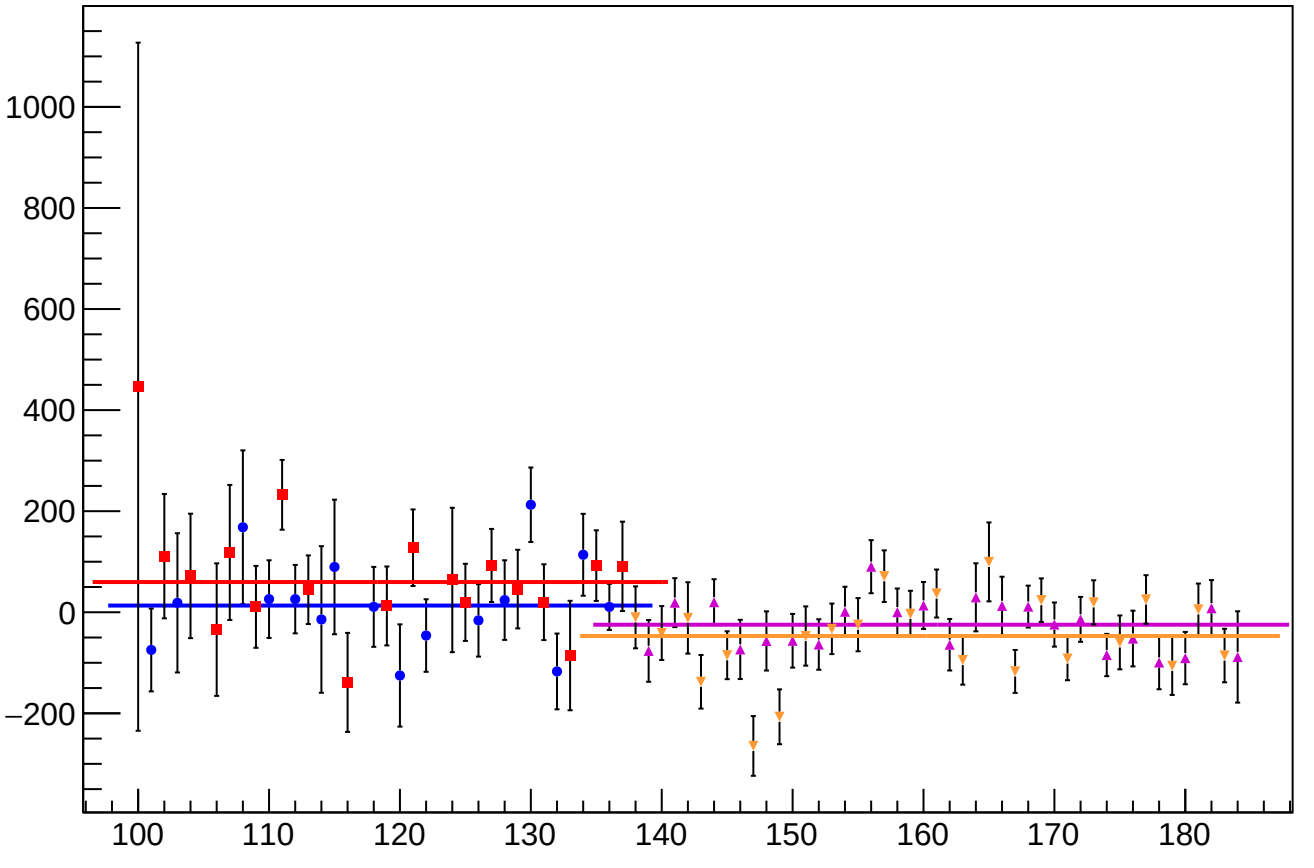
Left: 301.813+/-0.036 χ^2/NDF: 3120593.3/46

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 324.381+/-0.047 χ^2/NDF:3968056.8/38

Out: 325.716+/-0.047 χ^2/NDF:4309218.6/42

All: 325.057+/-0.033 χ^2/NDF: 8277676.7/81



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: -24.687+/-10.660 χ^2/NDF:19.7/22

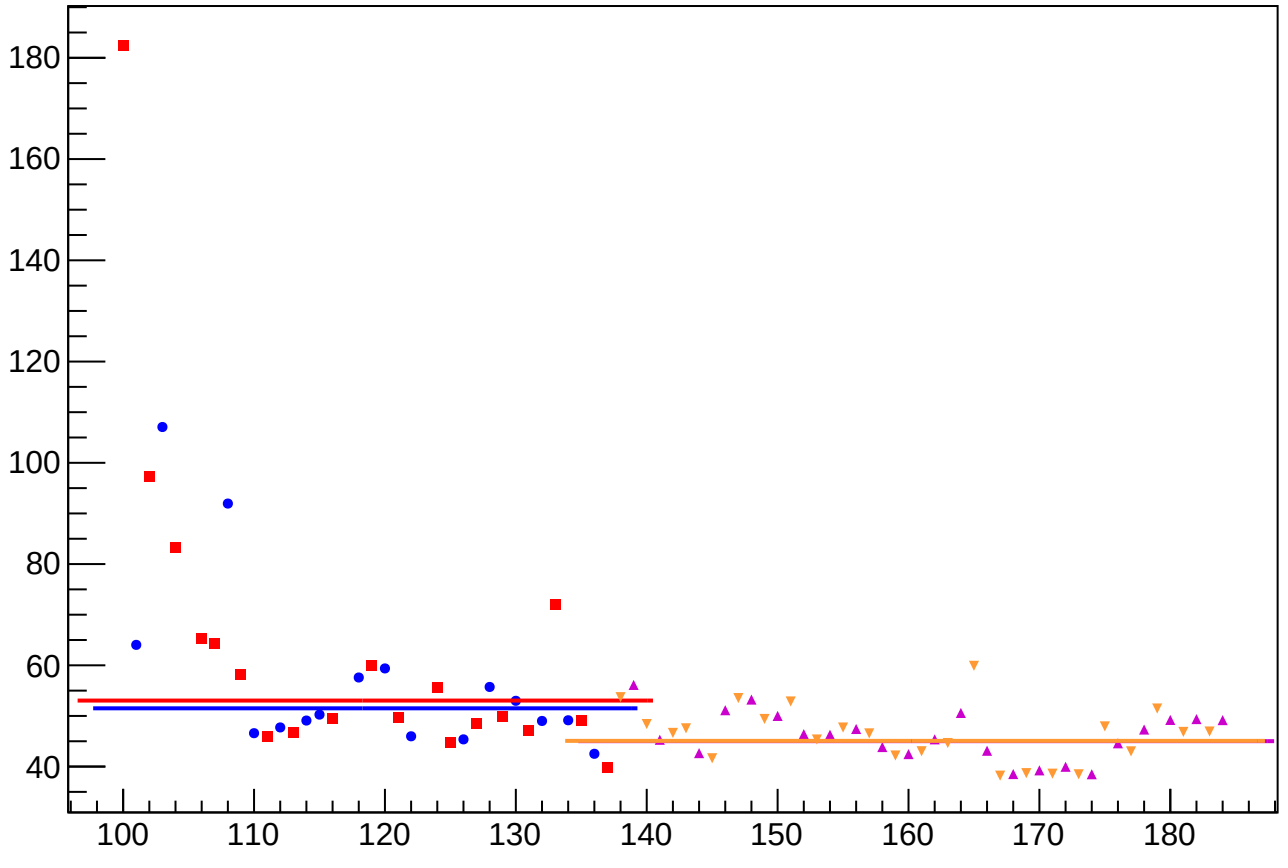
Left: -36.064+/-7.458 χ^2/NDF: 76.4/46

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -16.191+/-9.391 χ^2/NDF:39.8/38

Out: -24.529+/-9.277 χ^2/NDF:92.5/42

All: -20.411+/-6.600 χ^2/NDF: 132.7/81



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: 45.017+/-0.008 χ^2/NDF:372690.8/22

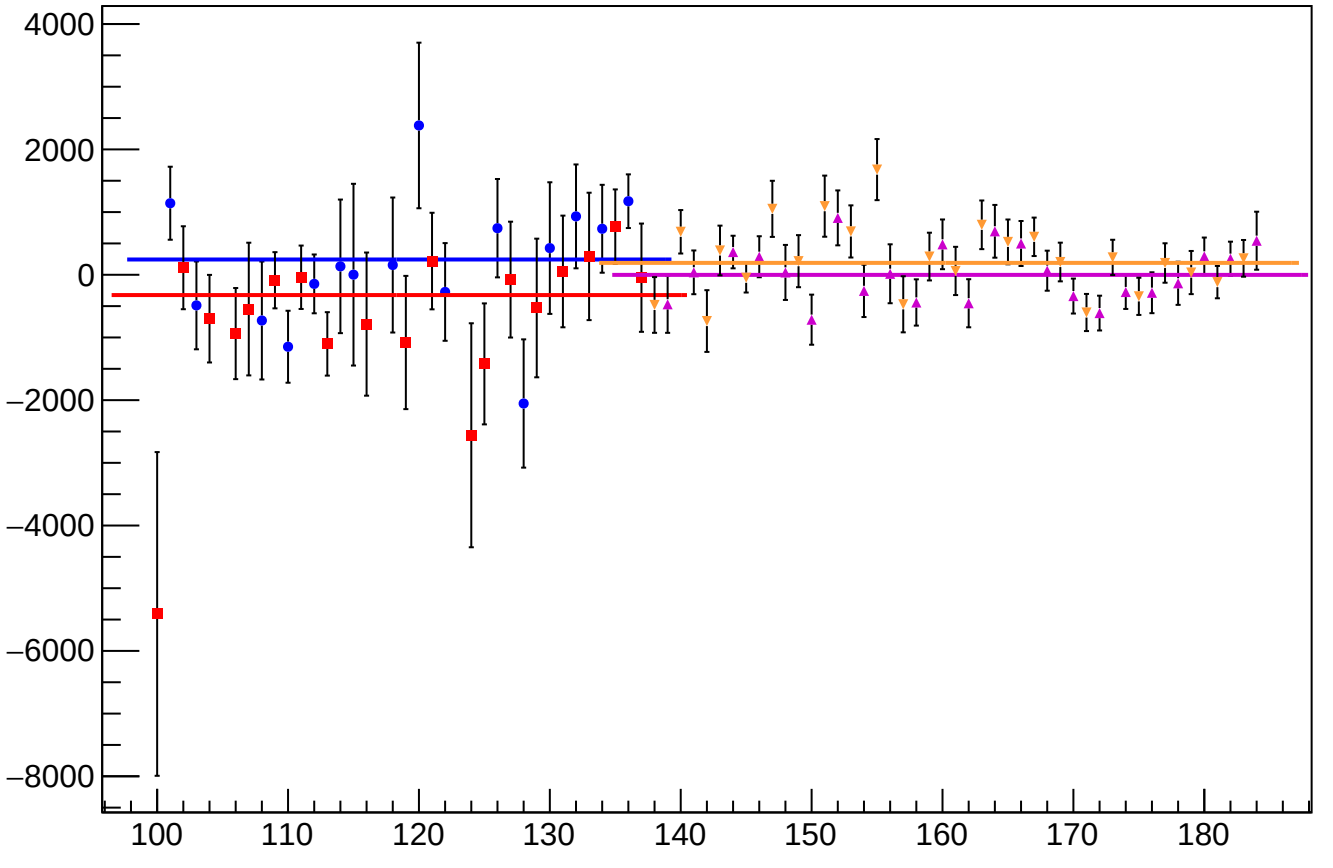
Left: 45.047+/-0.005 χ^2/NDF: 842127.7/46

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 46.470+/-0.007 χ^2/NDF:1205605.4/38

Out: 46.749+/-0.007 χ^2/NDF:1426874.9/42

All: 46.611+/-0.005 χ^2/NDF: 2633377.0/81



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: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 95.835+/-50.242 χ^2/NDF: 82.6/46

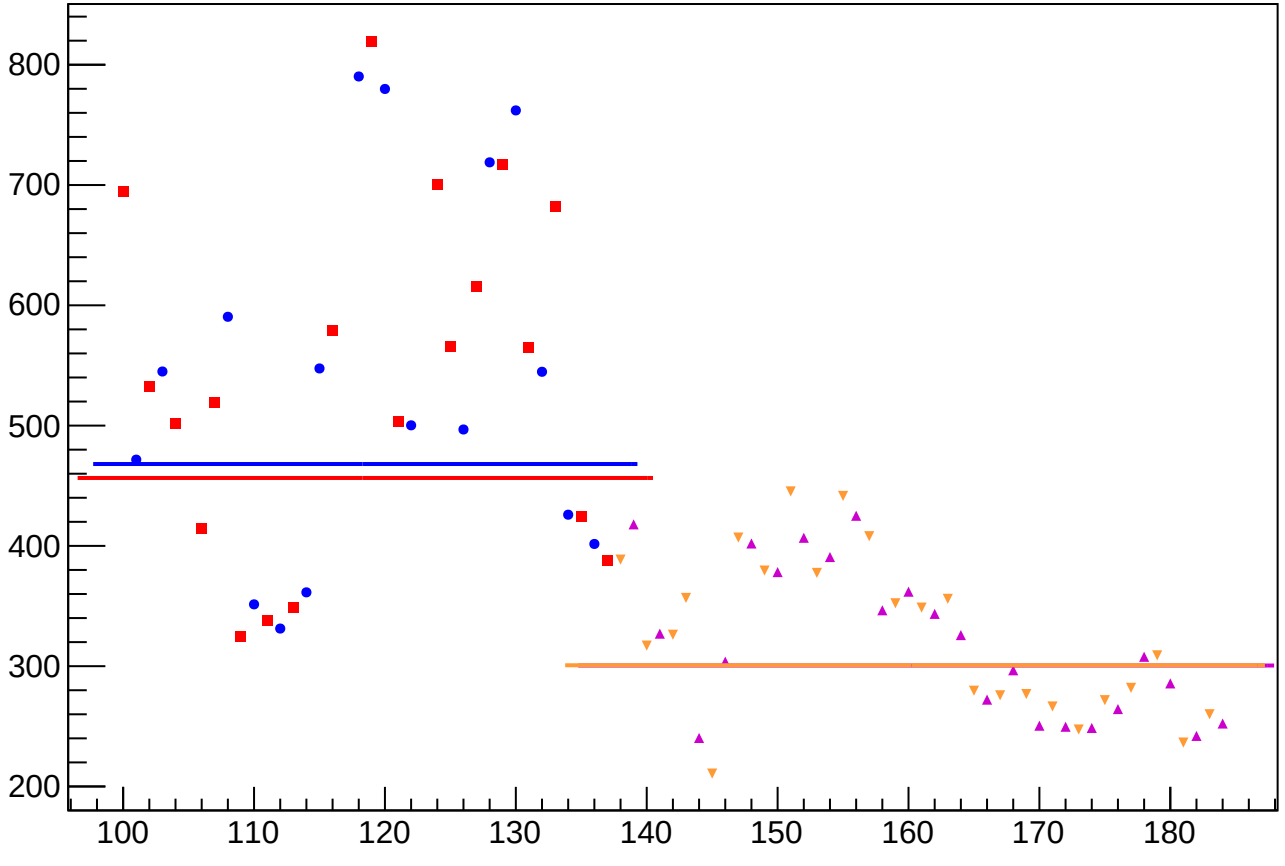
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 31.692+/-66.664 χ^2/NDF:59.4/38

Out: 117.310+/-65.251 χ^2/NDF:70.7/42

All: 75.418+/-46.631 χ^2/NDF: 131.0/81

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: 300.544+/-0.051 χ^2/NDF:1259270.5/22

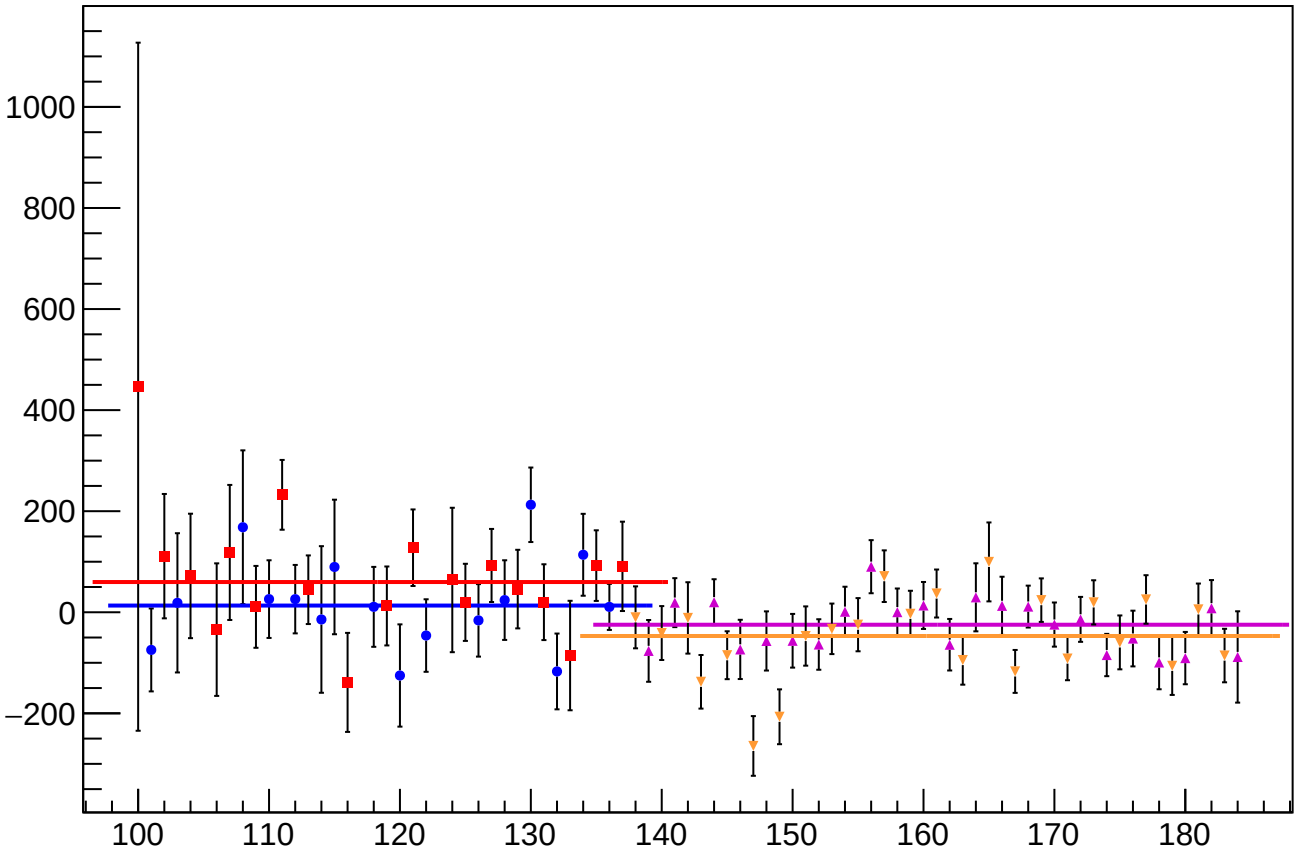
Left: 300.650+/-0.036 χ^2/NDF: 2818102.6/46

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 323.301+/-0.047 χ^2/NDF:3724777.0/38

Out: 322.744+/-0.046 χ^2/NDF:4022774.1/42

All: 323.016+/-0.033 χ^2/NDF: 7747622.4/81



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: -24.687+/-10.660 χ^2/NDF:19.7/22

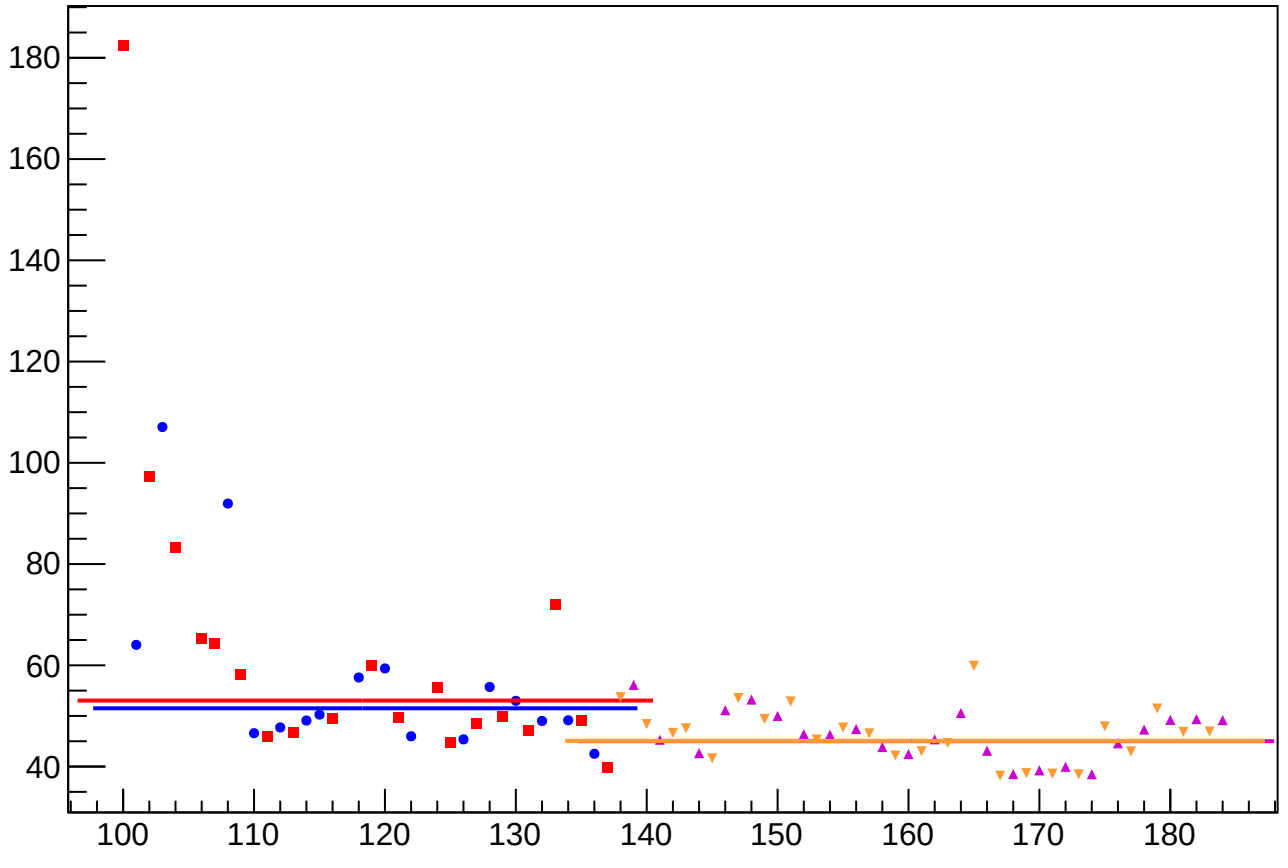
Left: -36.064+/-7.458 χ^2/NDF: 76.4/46

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -16.191+/-9.391 χ^2/NDF:39.8/38

Out: -24.529+/-9.277 χ^2/NDF:92.5/42

All: -20.411+/-6.600 χ^2/NDF: 132.7/81



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: 45.017+/-0.008 χ^2/NDF:372691.9/22

Left: 45.047+/-0.005 χ^2/NDF: 842129.0/46

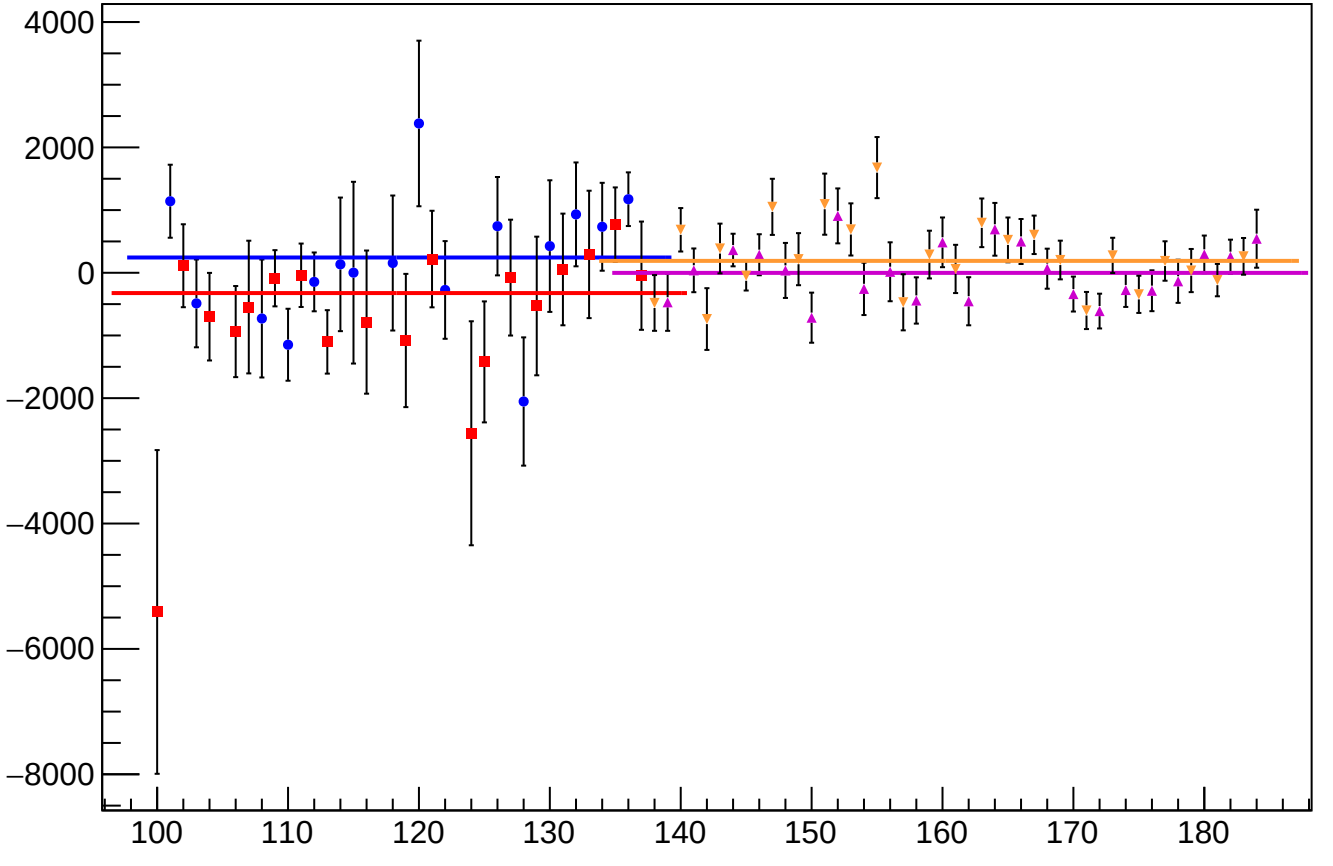
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 46.470+/-0.007 χ^2/NDF:1205610.8/38

Out: 46.749+/-0.007 χ^2/NDF:1426887.1/42

All: 46.611+/-0.005 χ^2/NDF: 2633394.6/81

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 95.836+/-50.243 χ^2/NDF: 82.6/46

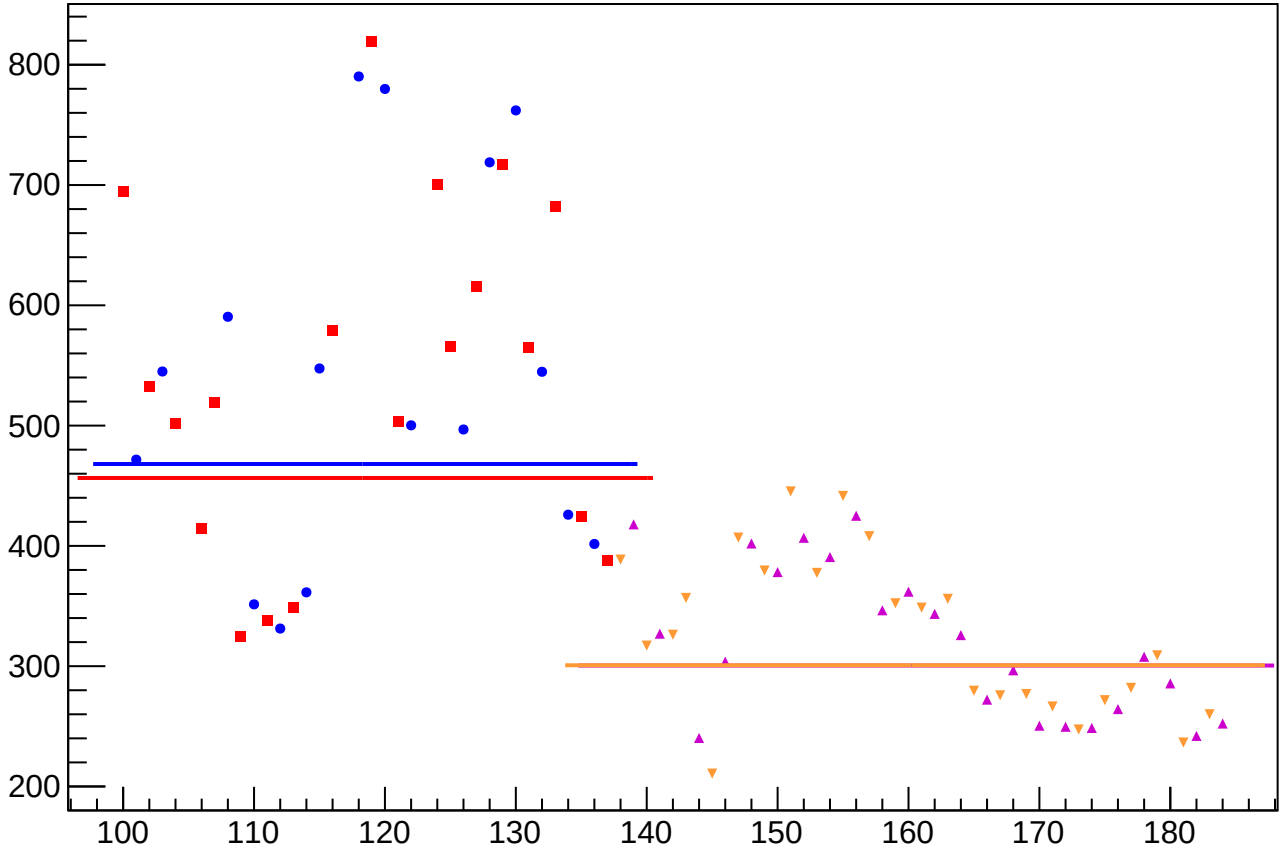
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 31.693+/-66.664 χ^2/NDF:59.4/38

Out: 117.310+/-65.251 χ^2/NDF:70.7/42

All: 75.418+/-46.631 χ^2/NDF: 131.0/81

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: 300.544+/-0.051 χ^2/NDF:1259265.2/22

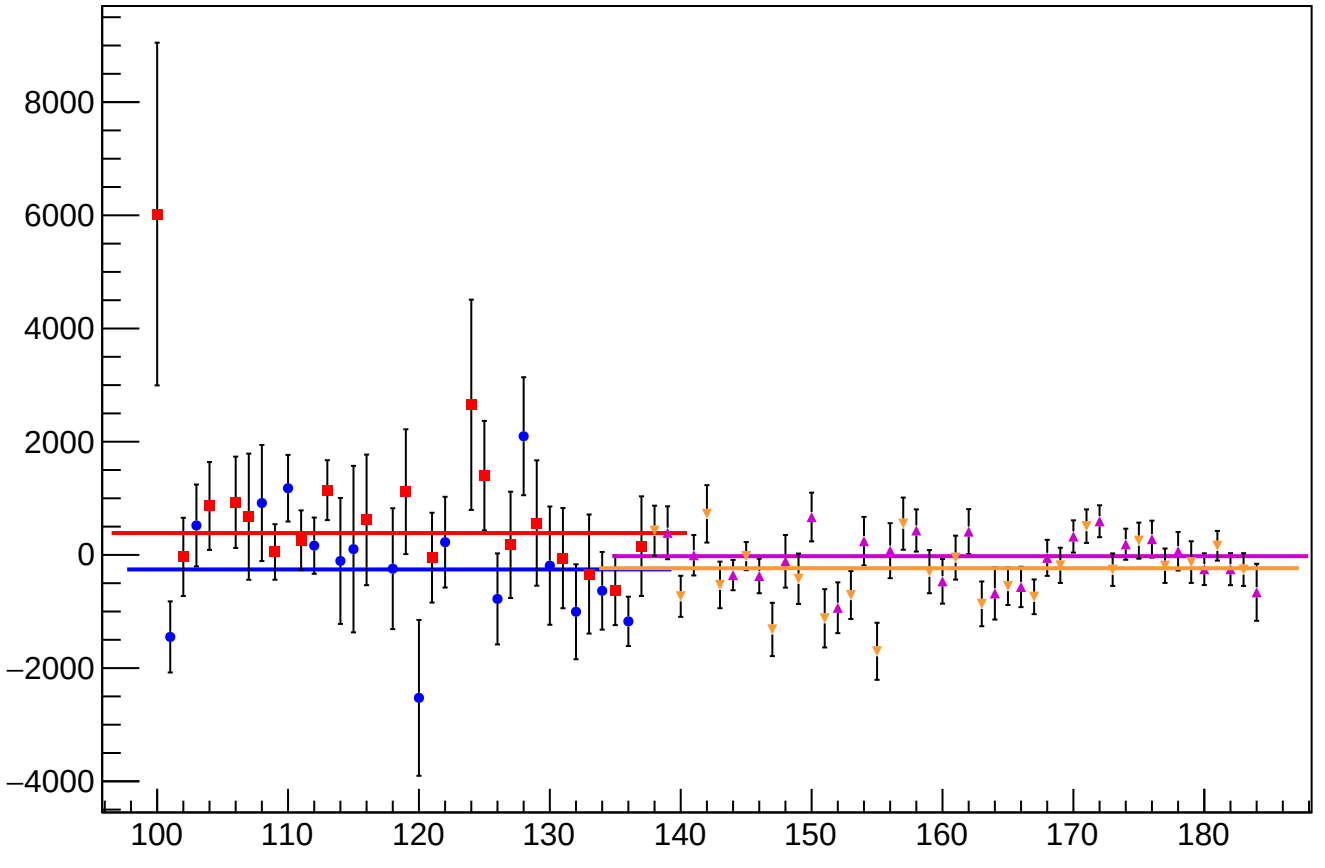
Left: 300.650+/-0.036 χ^2/NDF: 2818098.3/46

Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 323.301+/-0.047 χ^2/NDF:3724755.0/38

Out: 322.744+/-0.046 χ^2/NDF:4022758.6/42

All: 323.017+/-0.033 χ^2/NDF: 7747584.9/81



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: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -130.094+/-51.053 χ^2/NDF: 81.6/46

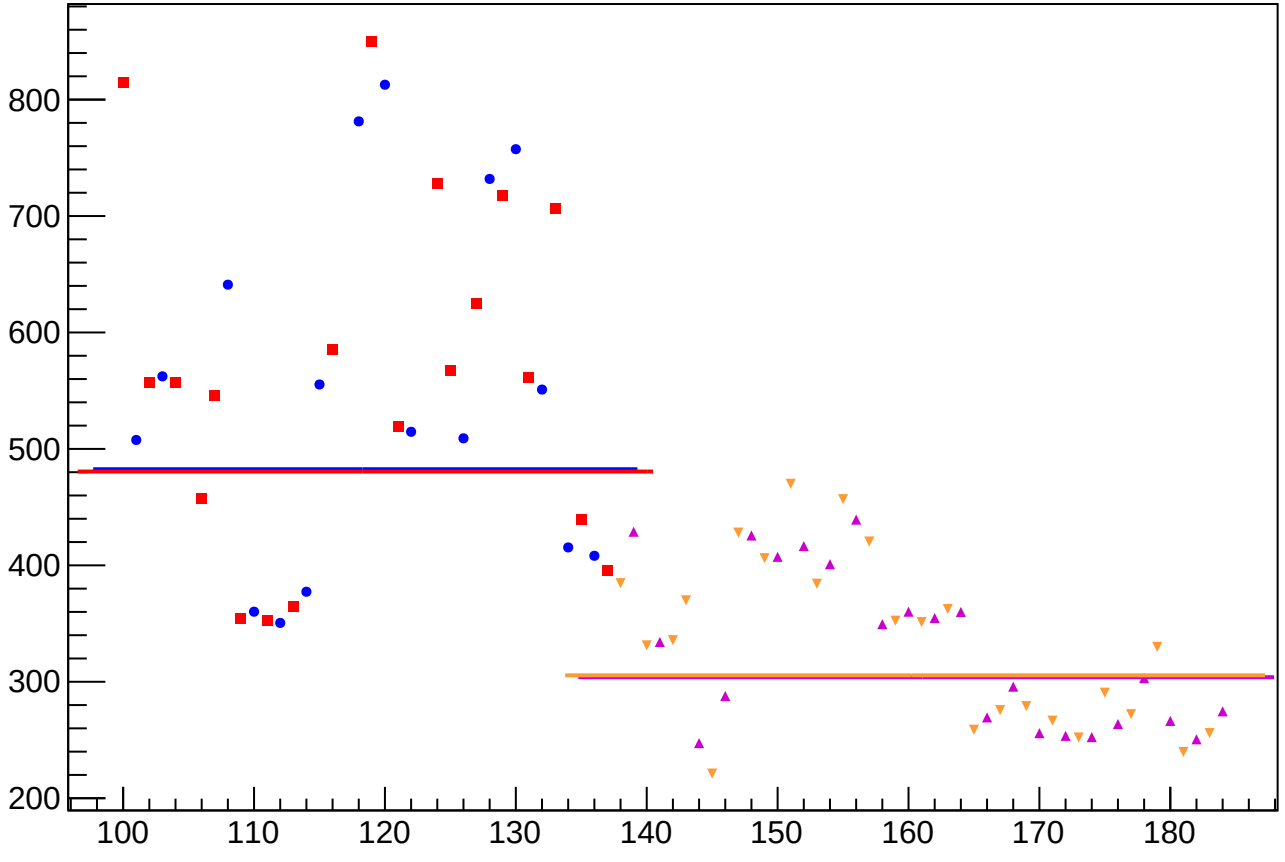
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -53.509+/-67.687 χ^2/NDF:58.1/38

Out: -151.619+/-66.780 χ^2/NDF:71.7/42

All: -103.226+/-47.538 χ^2/NDF: 131.0/81

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: 303.923+/-0.051 χ^2/NDF:1376278.3/22

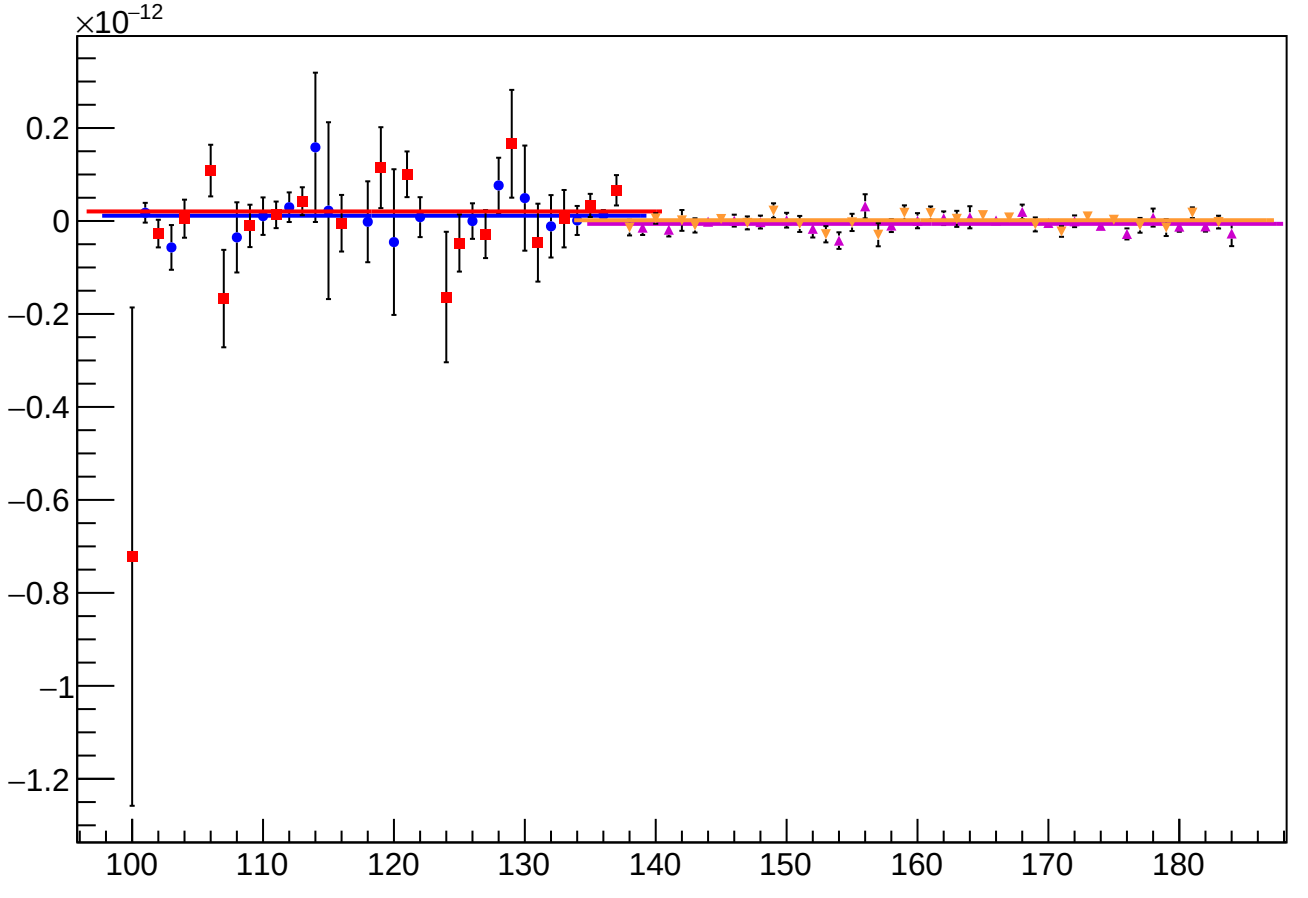
Left: 304.739+/-0.036 χ^2/NDF: 3050611.6/46

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 327.456+/-0.048 χ^2/NDF:3915724.3/38

Out: 329.006+/-0.047 χ^2/NDF:4262835.0/42

All: 328.242+/-0.034 χ^2/NDF: 8179090.5/81



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:18.2/22

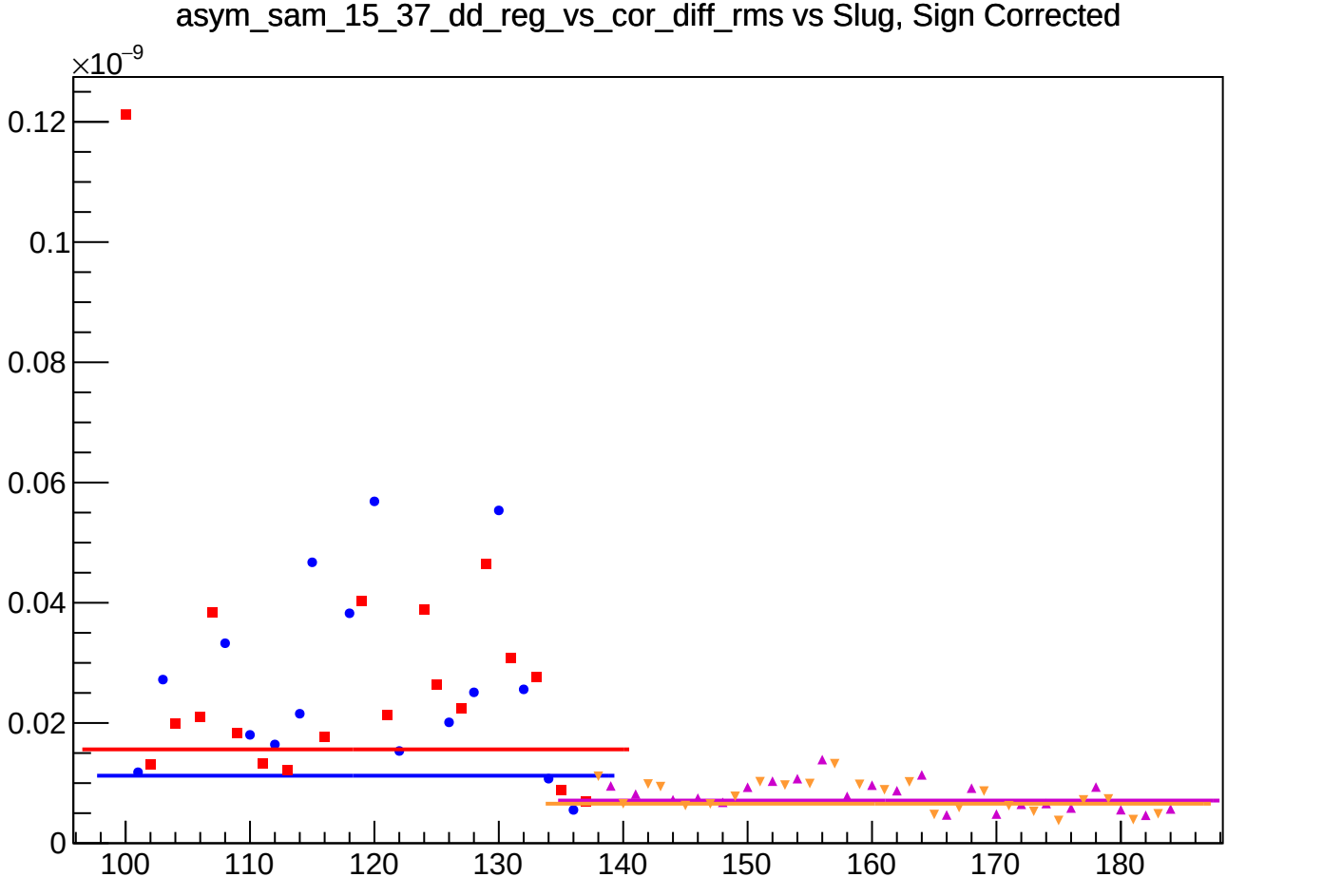
Left: -0.000+/-0.000 χ^2/NDF: 42.8/46

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:27.9/38

Out: 0.000+/-0.000 χ^2/NDF:47.5/42

All: -0.000+/-0.000 χ^2/NDF: 78.9/81



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:981529.7/22

Left: 0.000+/-0.000 χ^2/NDF: 2495819.5/46

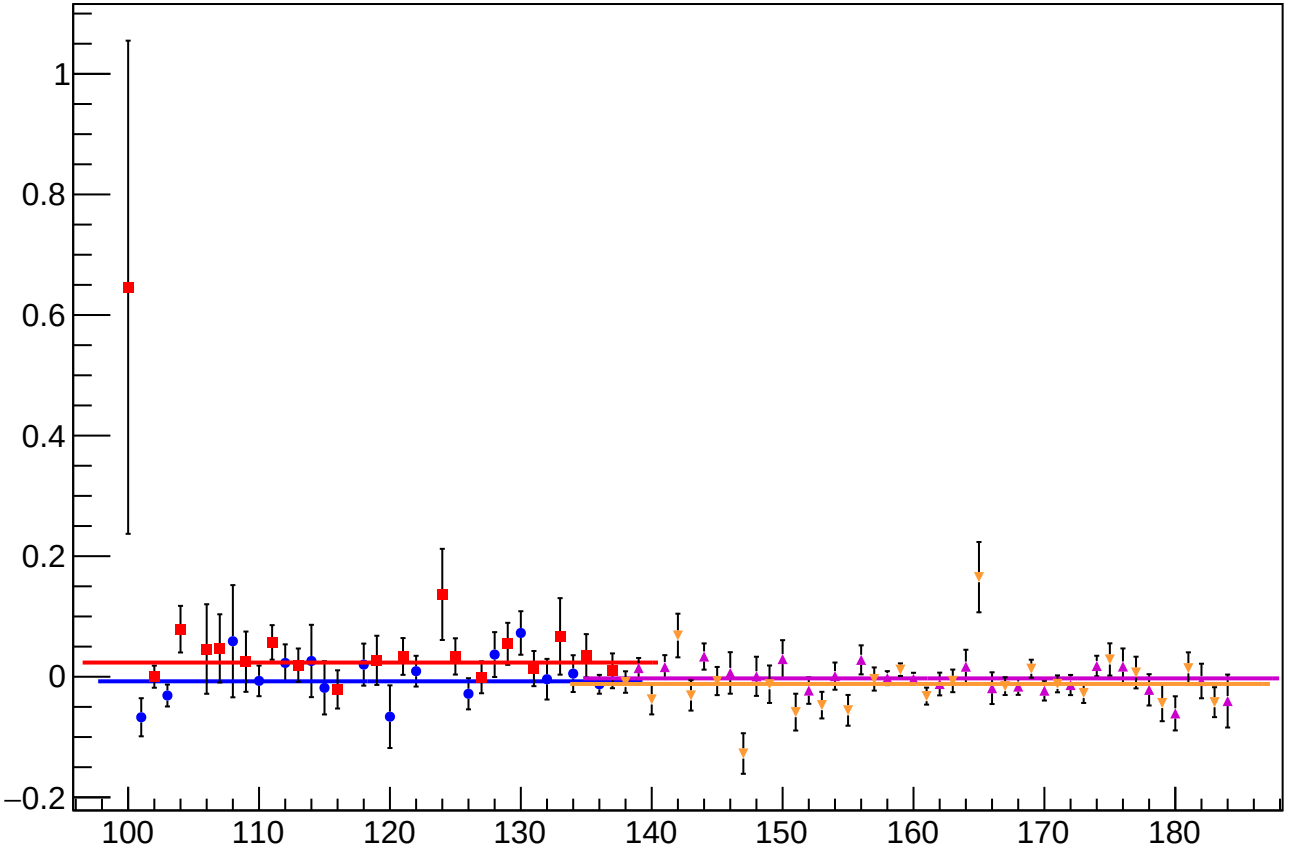
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:3559437.7/38

Out: 0.000+/-0.000 χ^2/NDF:4118244.6/42

All: 0.000+/-0.000 χ^2/NDF: 7704474.9/81

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: -0.003+/-0.004 χ^2/NDF:19.8/22

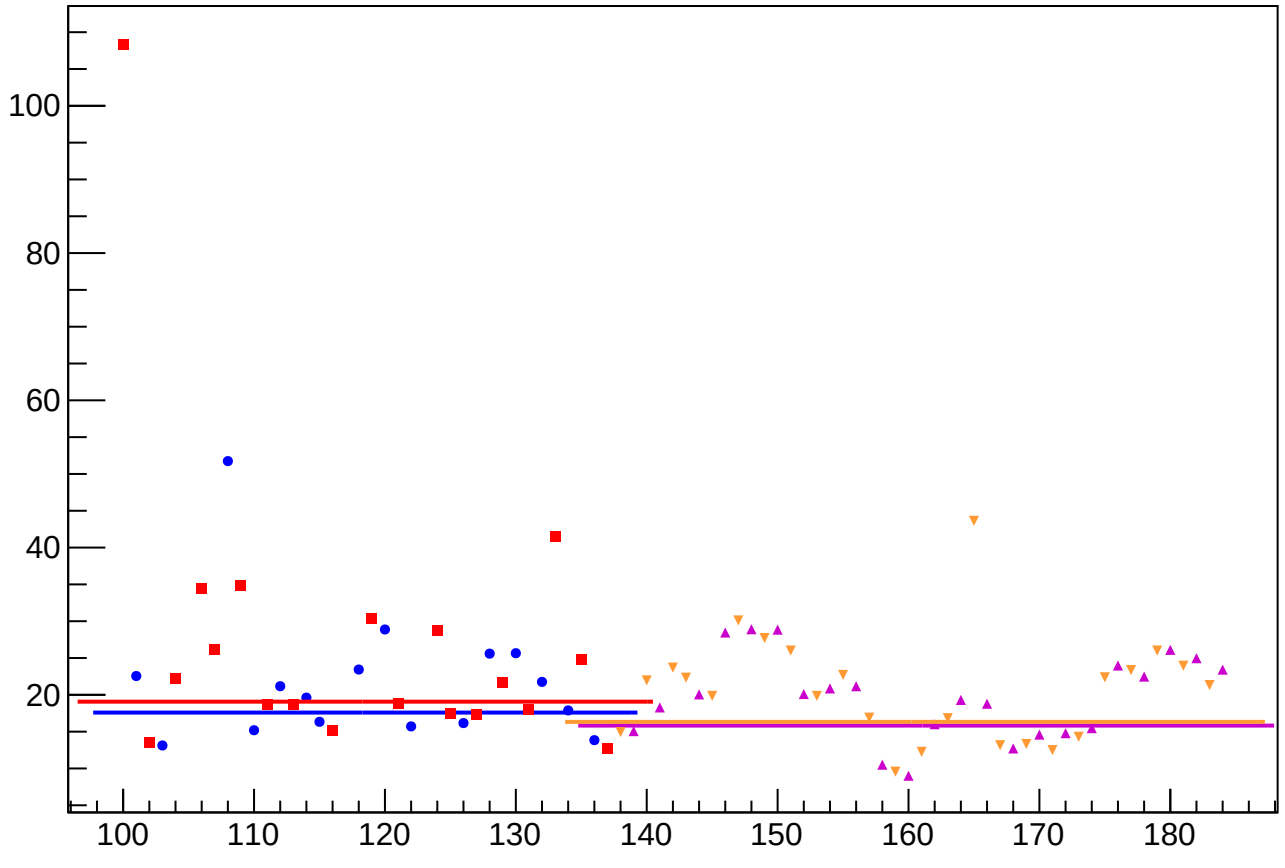
Left: -0.007+/-0.003 χ^2/NDF: 75.3/46

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.8/38

Out: -0.004+/-0.004 χ^2/NDF:84.1/42

All: -0.004+/-0.003 χ^2/NDF: 120.9/81



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: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.073+/-0.002 χ^2/NDF: 7503873.8/46

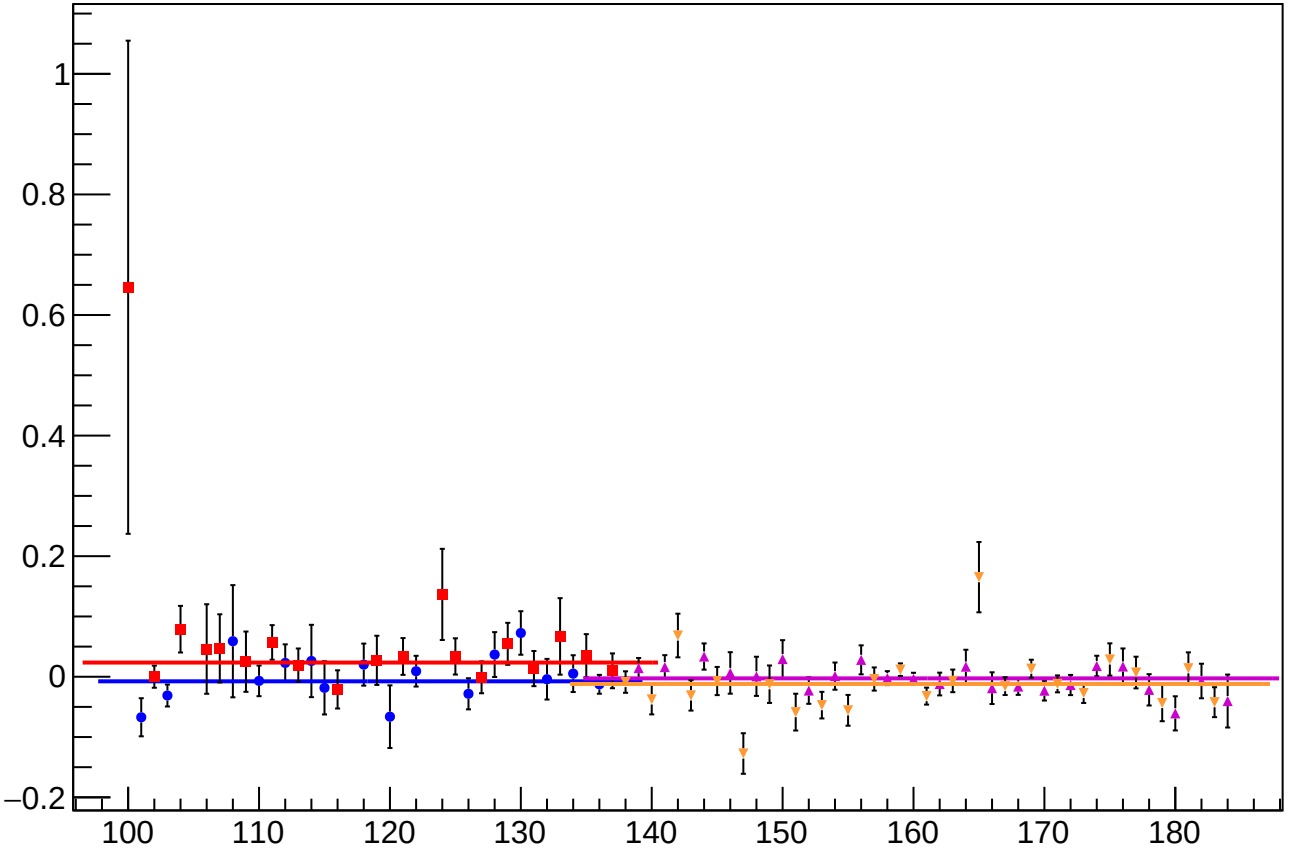
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 16.247+/-0.002 χ^2/NDF:4739399.0/38

Out: 16.920+/-0.003 χ^2/NDF:5279197.7/42

All: 16.576+/-0.002 χ^2/NDF: 10054305.4/81

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.0/23

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.3/46

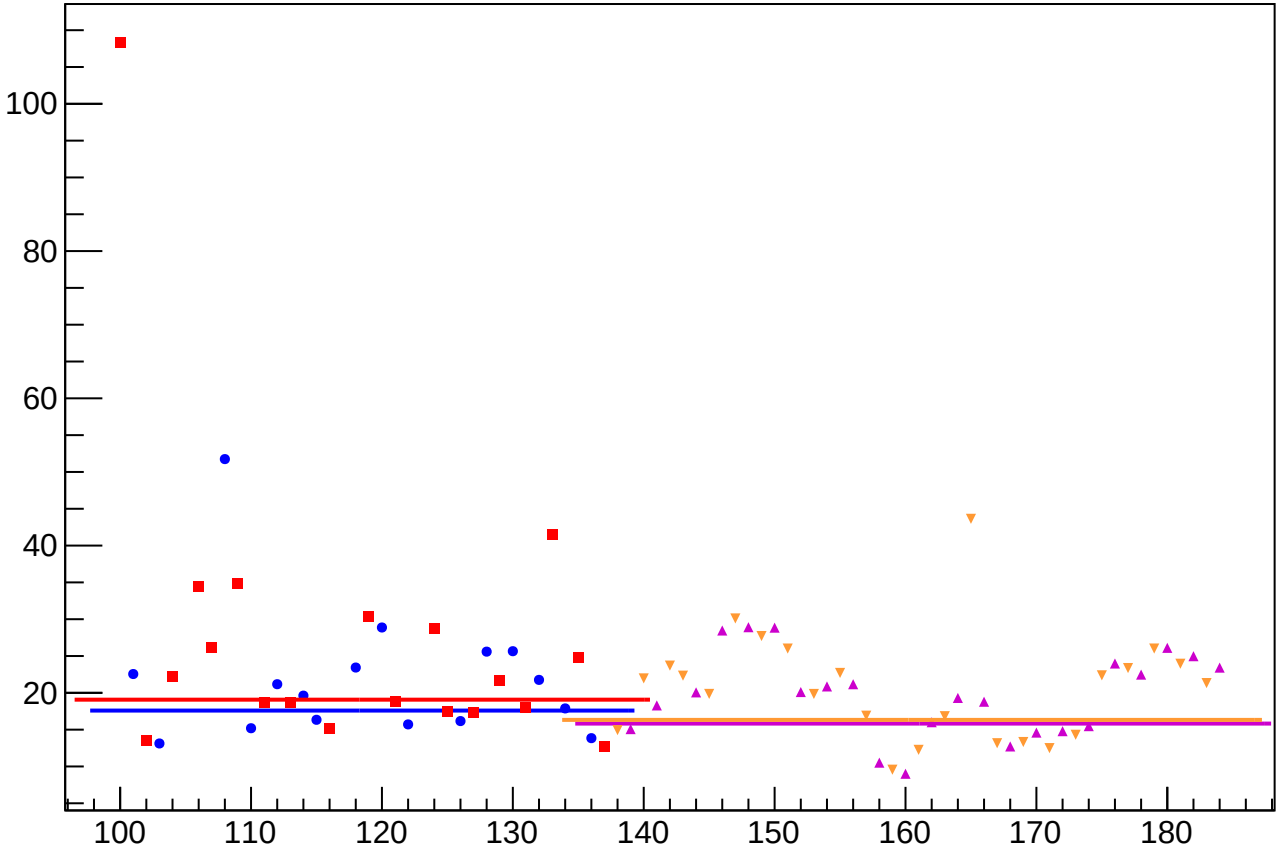
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.8/38

Out: -0.004+/-0.004 χ^2/NDF:84.1/42

All: -0.004+/-0.003 χ^2/NDF: 120.9/81

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: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.073+/-0.002 χ^2/NDF: 7503873.8/46

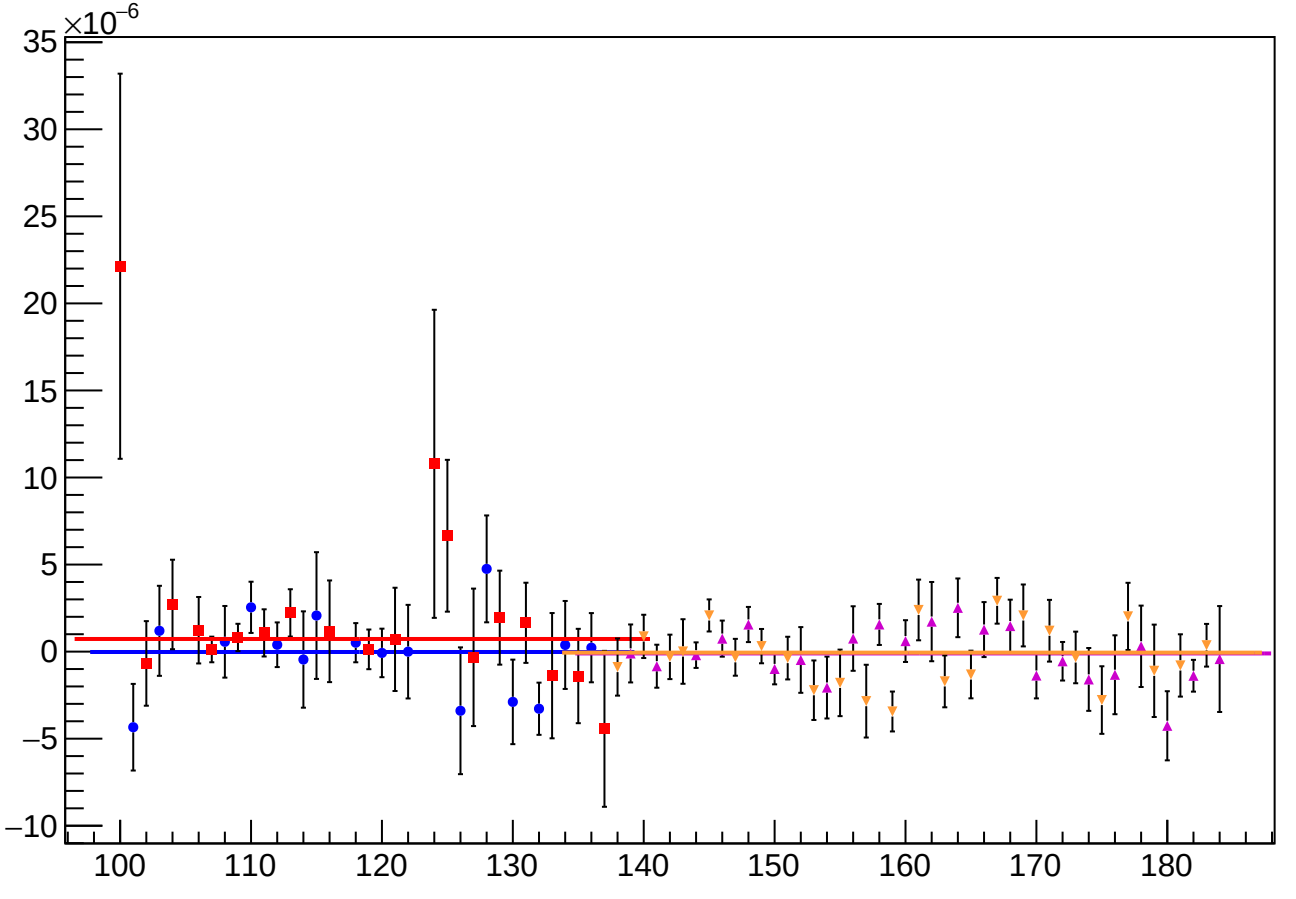
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 16.247+/-0.002 χ^2/NDF:4739399.0/38

Out: 16.920+/-0.003 χ^2/NDF:5279197.7/42

All: 16.576+/-0.002 χ^2/NDF: 10054305.4/81

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:21.9/22

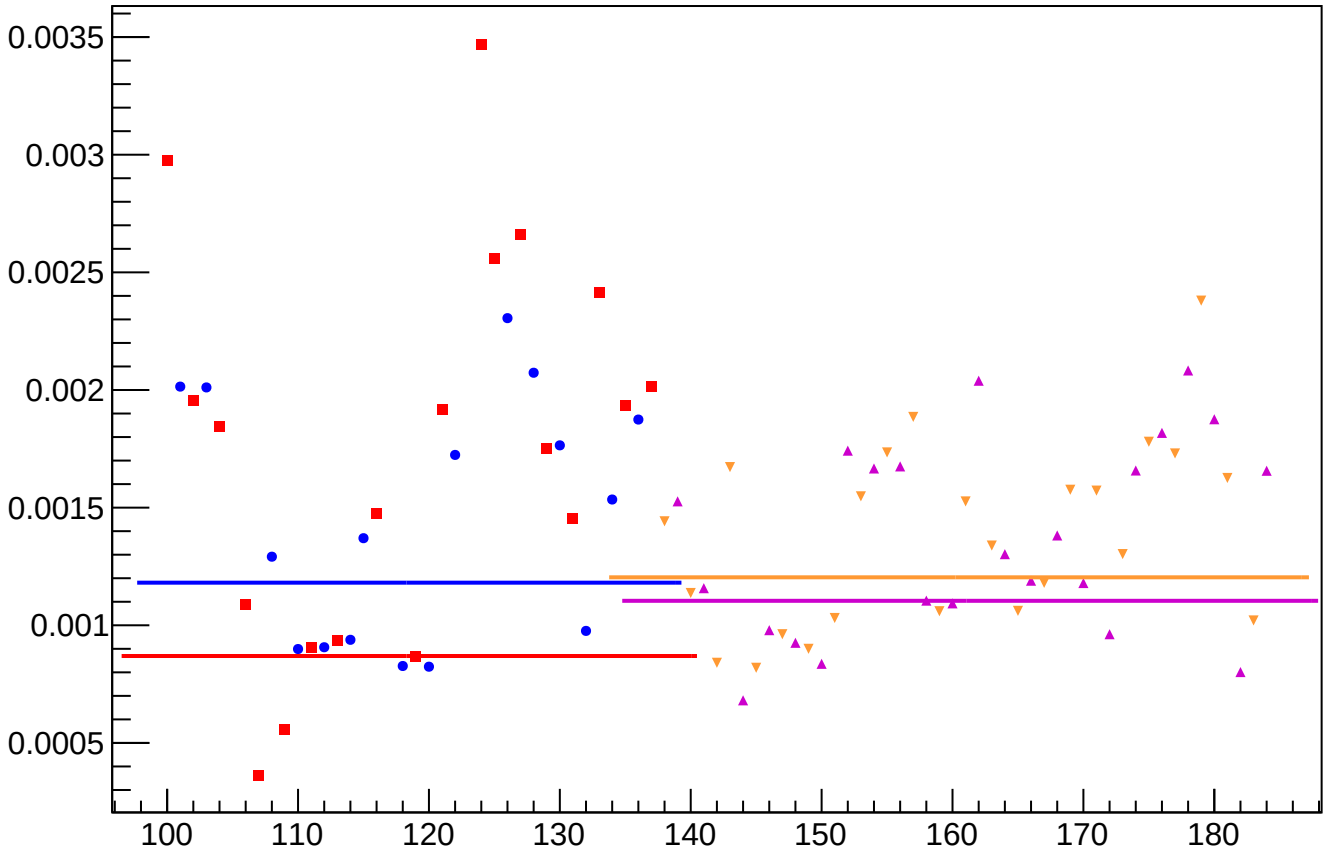
Left: -0.000+/-0.000 χ^2/NDF: 56.1/46

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:38.5/38

Out: 0.000+/-0.000 χ^2/NDF:49.7/42

All: 0.000+/-0.000 χ^2/NDF: 89.1/81



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:3494983.4/22

Left: 0.001+/-0.000 χ^2/NDF: 6285287.5/46

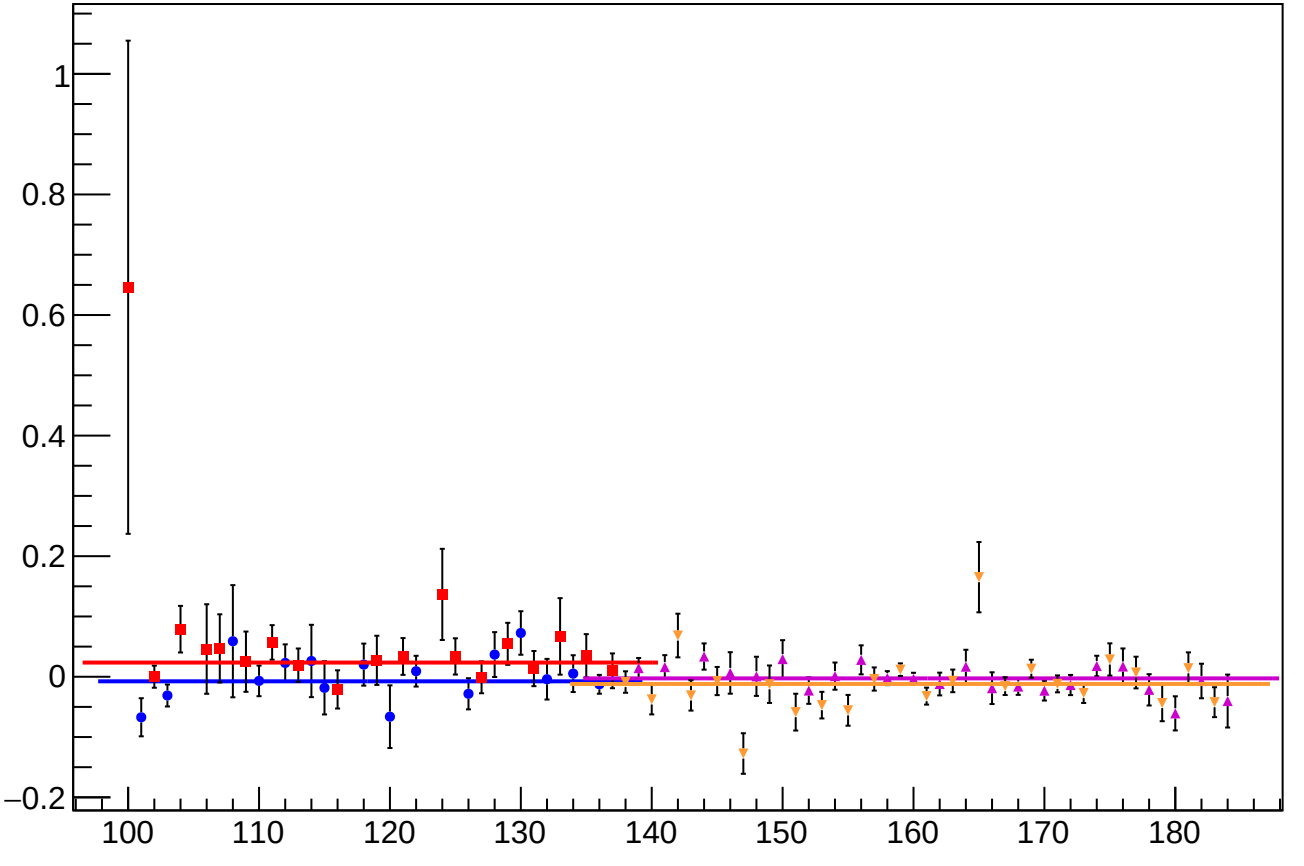
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:5363147.9/38

Out: 0.001+/-0.000 χ^2/NDF:8076250.3/42

All: 0.001+/-0.000 χ^2/NDF: 13471392.1/81

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: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.3/46

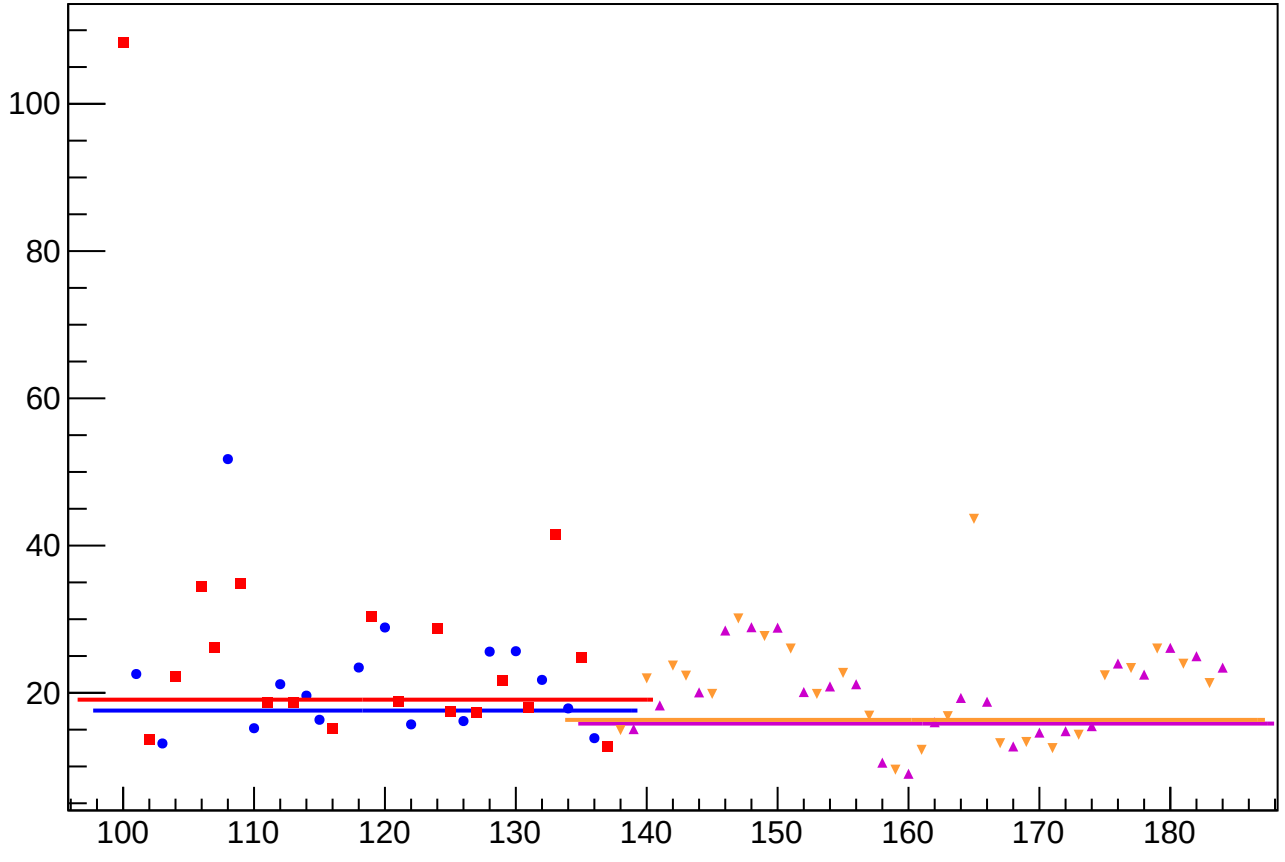
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.8/38

Out: -0.004+/-0.004 χ^2/NDF:84.1/42

All: -0.004+/-0.003 χ^2/NDF: 120.9/81

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: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.072+/-0.002 χ^2/NDF: 7504488.7/46

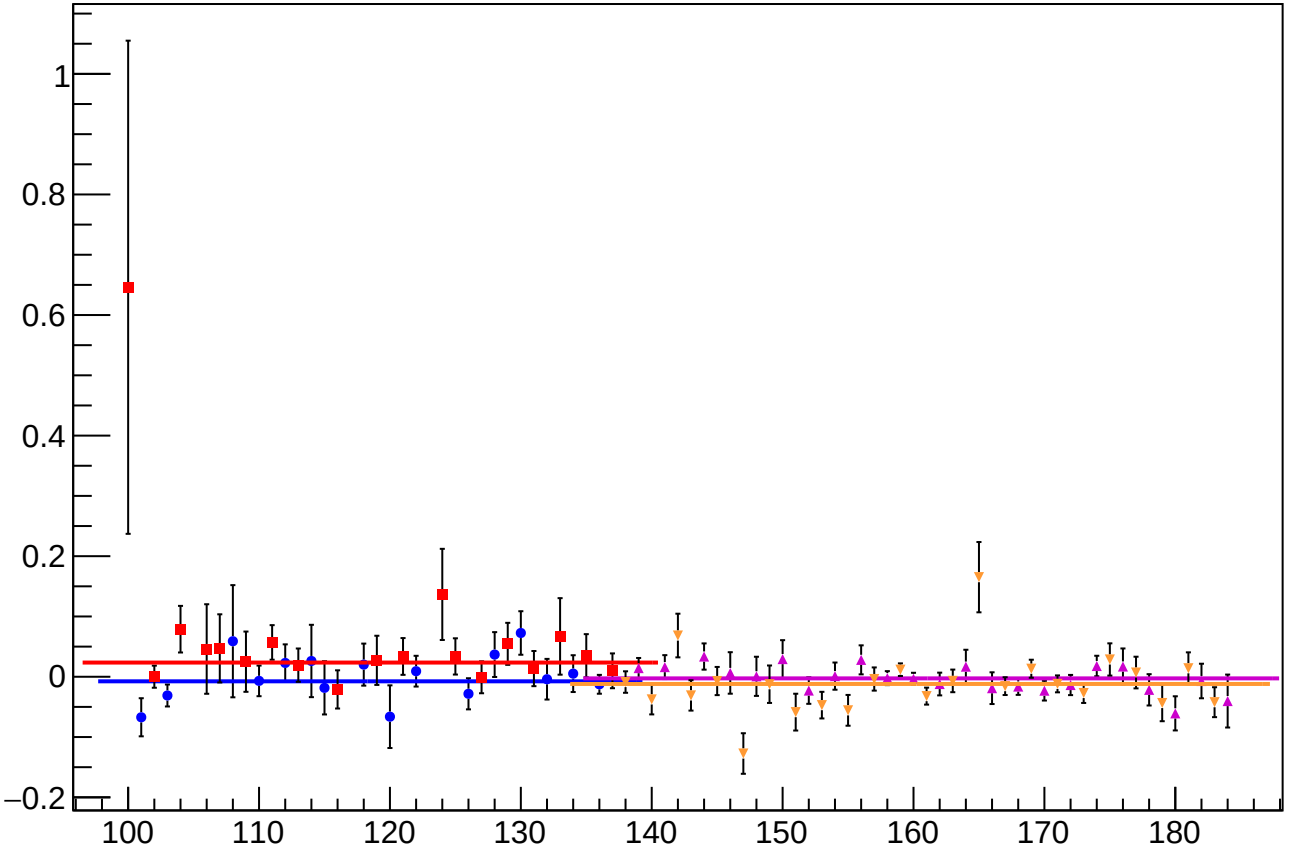
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 16.247+/-0.002 χ^2/NDF:4739835.8/38

Out: 16.920+/-0.003 χ^2/NDF:5279442.4/42

All: 16.576+/-0.002 χ^2/NDF: 10054996.8/81

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.0/23

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.3/46

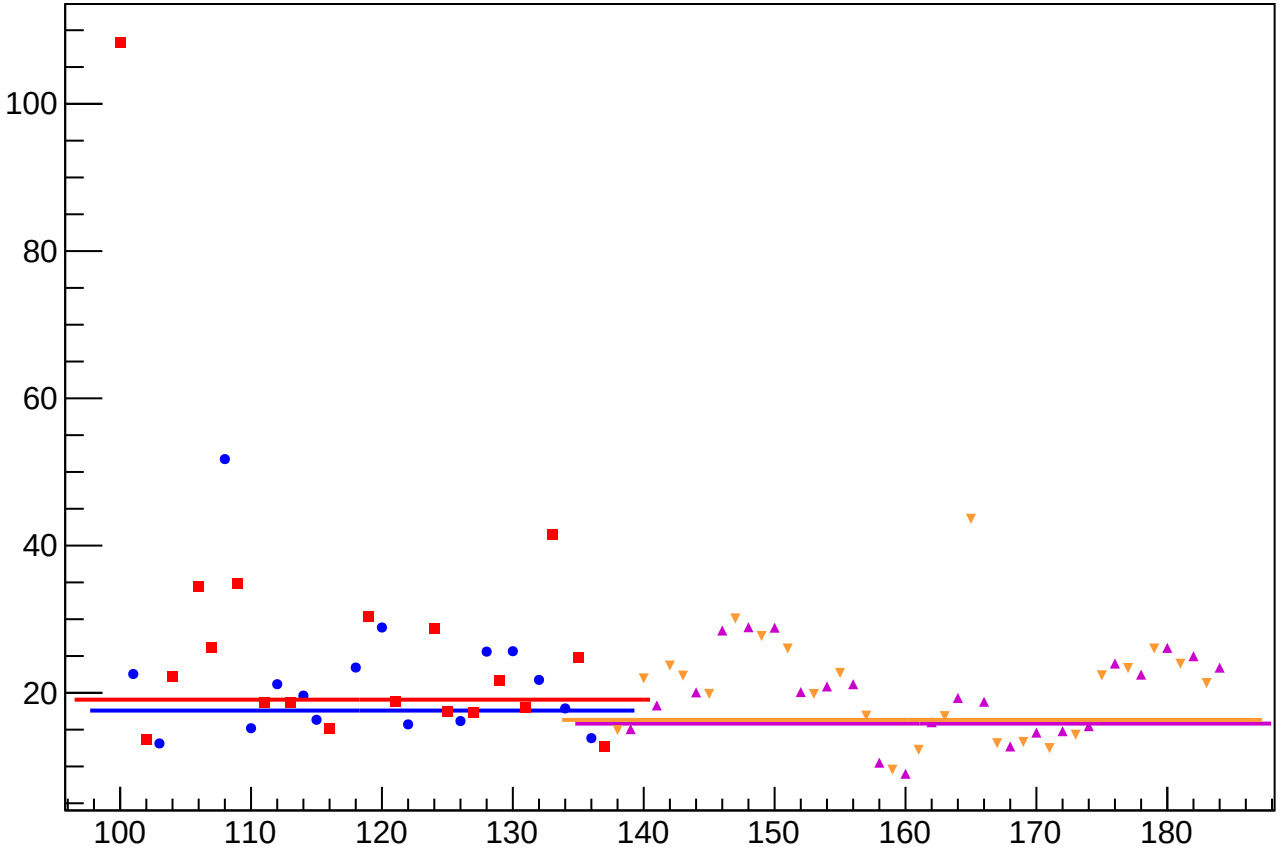
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.8/38

Out: -0.004+/-0.004 χ^2/NDF:84.1/42

All: -0.004+/-0.003 χ^2/NDF: 120.9/81

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: 15.823+/-0.003 χ^2/NDF:3654834.3/22

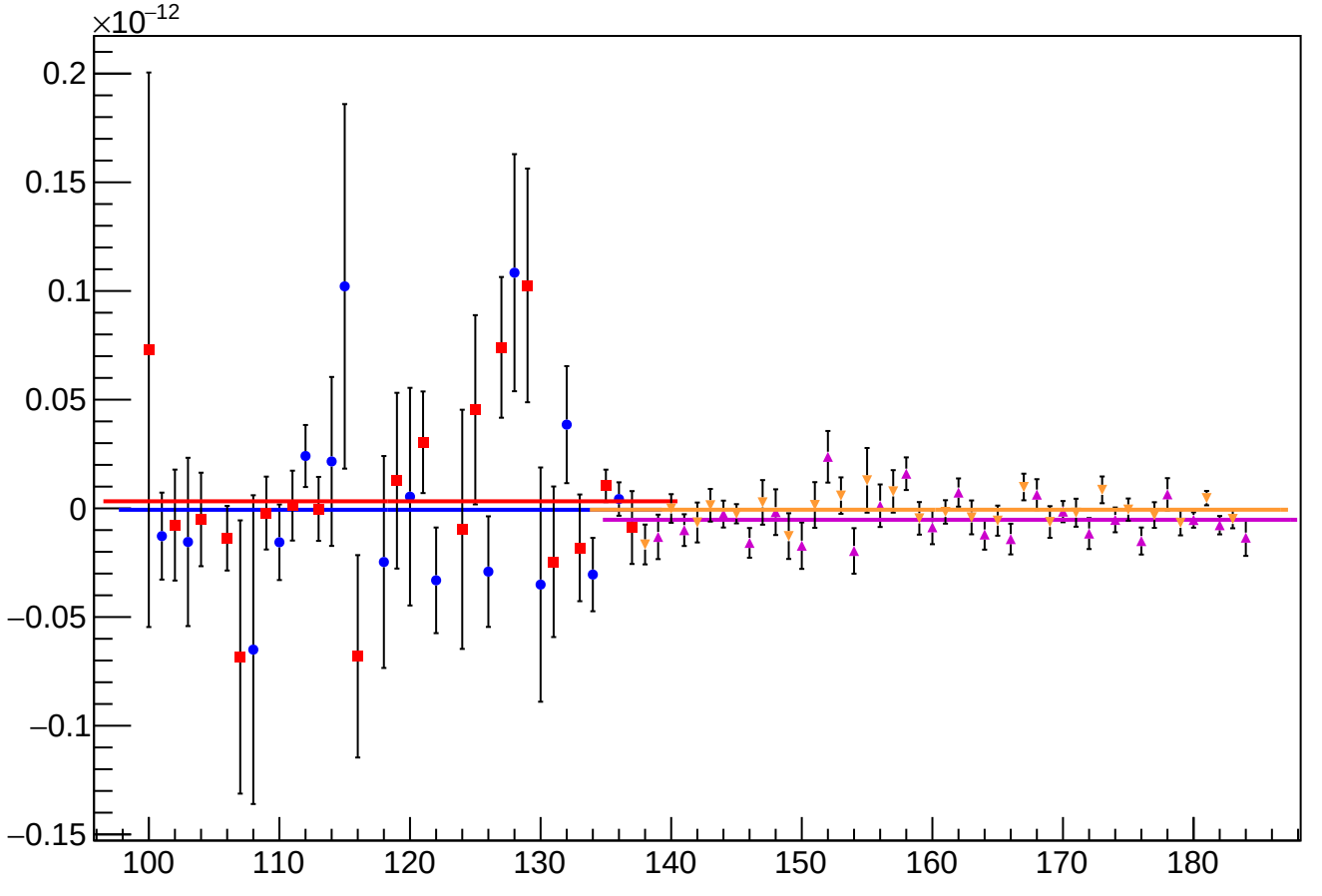
Left: 16.072+/-0.002 χ^2/NDF: 7504488.7/46

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 16.247+/-0.002 χ^2/NDF:4739835.8/38

Out: 16.920+/-0.003 χ^2/NDF:5279442.4/42

All: 16.576+/-0.002 χ^2/NDF: 10054996.8/81



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:37.9/22

Left: -0.000+/-0.000 χ^2/NDF: 63.0/46

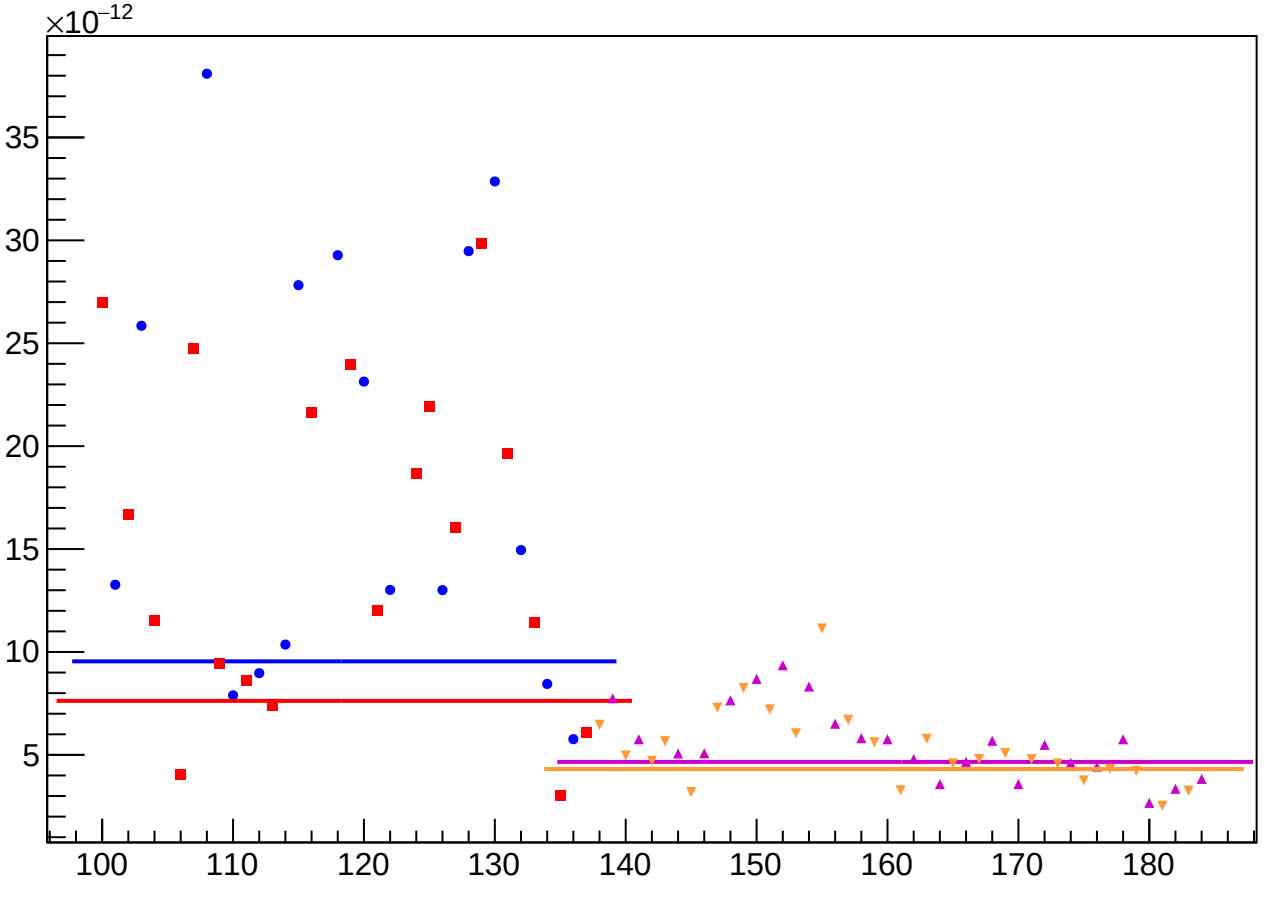
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:59.0/38

Out: -0.000+/-0.000 χ^2/NDF:38.9/42

All: -0.000+/-0.000 χ^2/NDF: 104.3/81

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:2508440.7/22

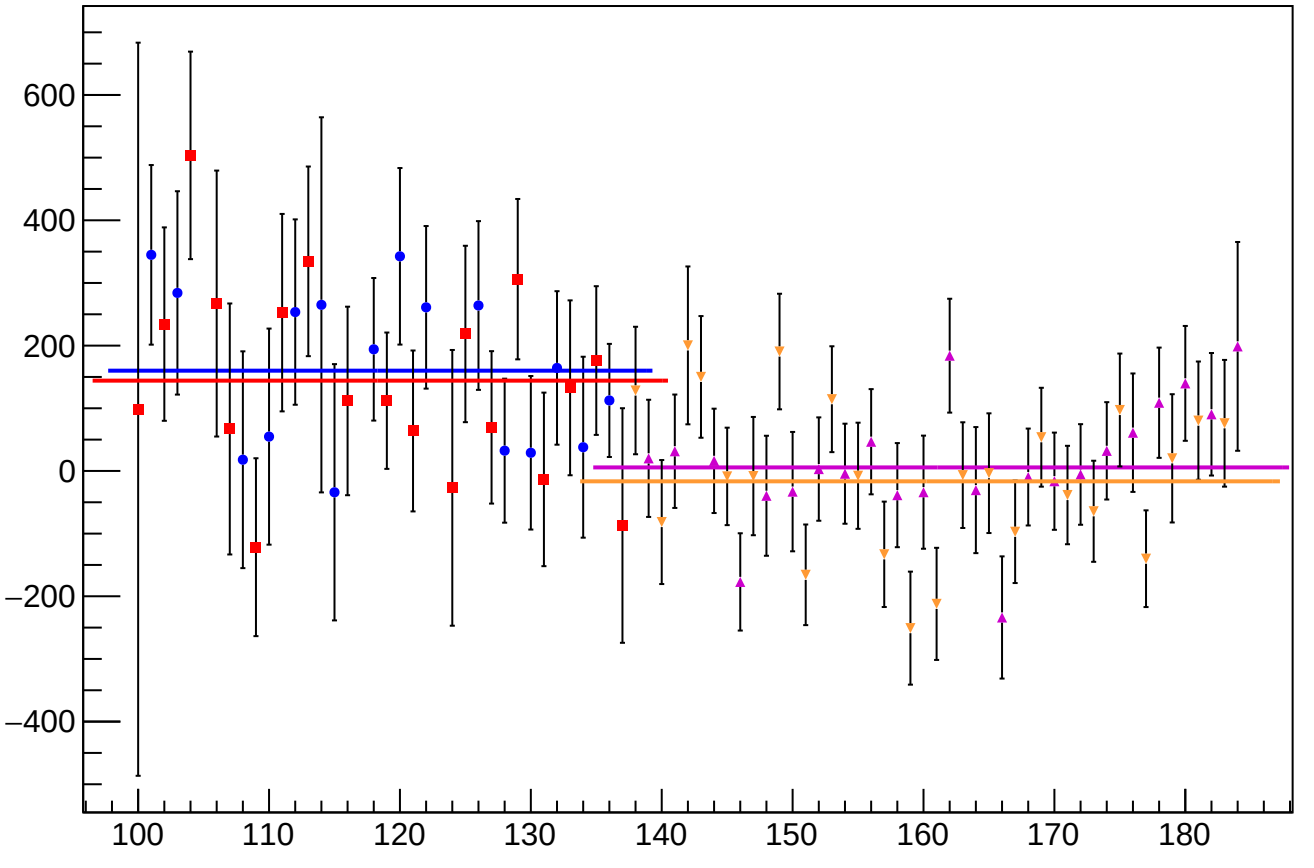
Left: 0.000+/-0.000 χ^2/NDF: 5116021.8/46

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:6872231.4/38

Out: 0.000+/-0.000 χ^2/NDF:6632723.0/42

All: 0.000+/-0.000 χ^2/NDF: 13615186.0/81



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: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -5.657+/-12.889 χ^2/NDF: 64.9/46

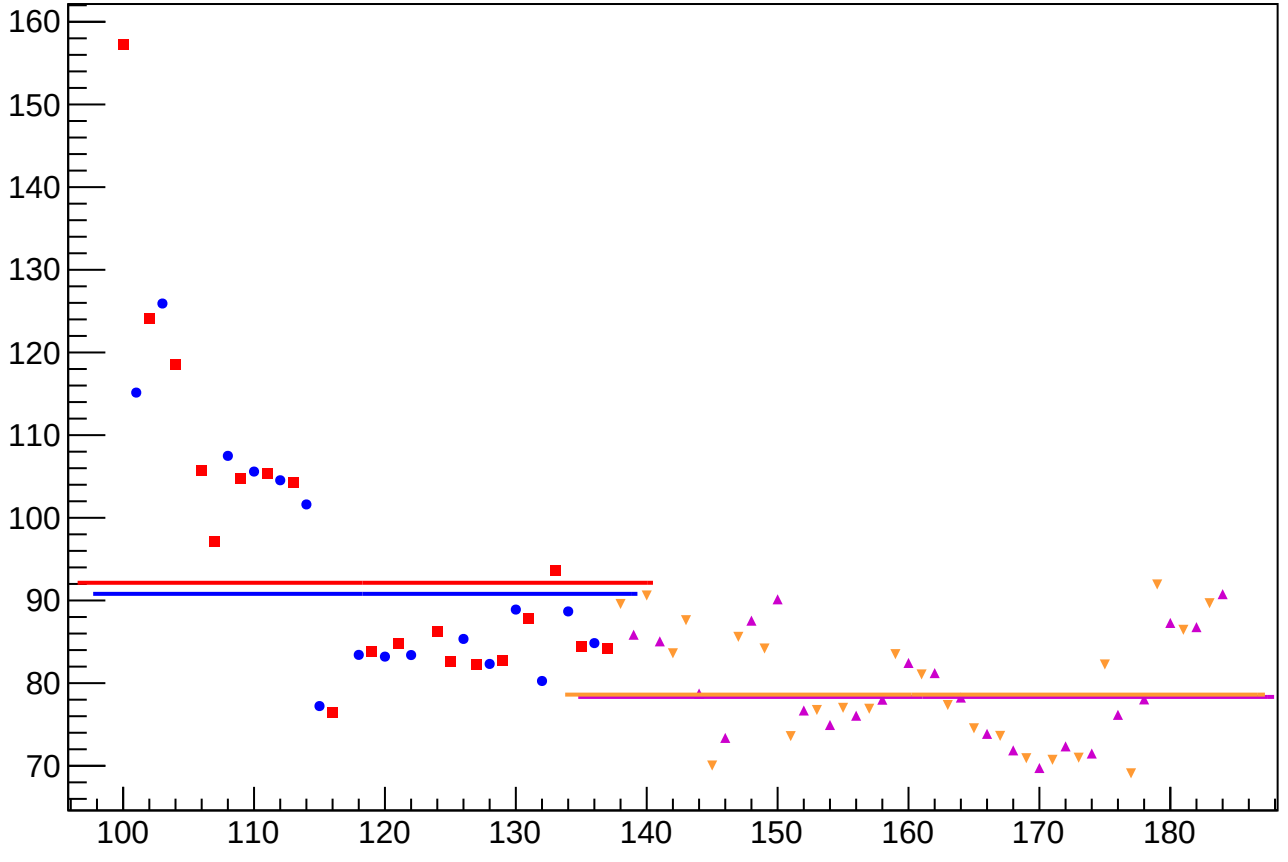
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 40.282+/-16.188 χ^2/NDF:49.9/38

Out: 18.499+/-15.984 χ^2/NDF:75.8/42

All: 29.252+/-11.374 χ^2/NDF: 126.6/81

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: 78.334+/-0.013 χ^2/NDF:209146.2/22

Left: 78.476+/-0.009 χ^2/NDF: 516604.2/46

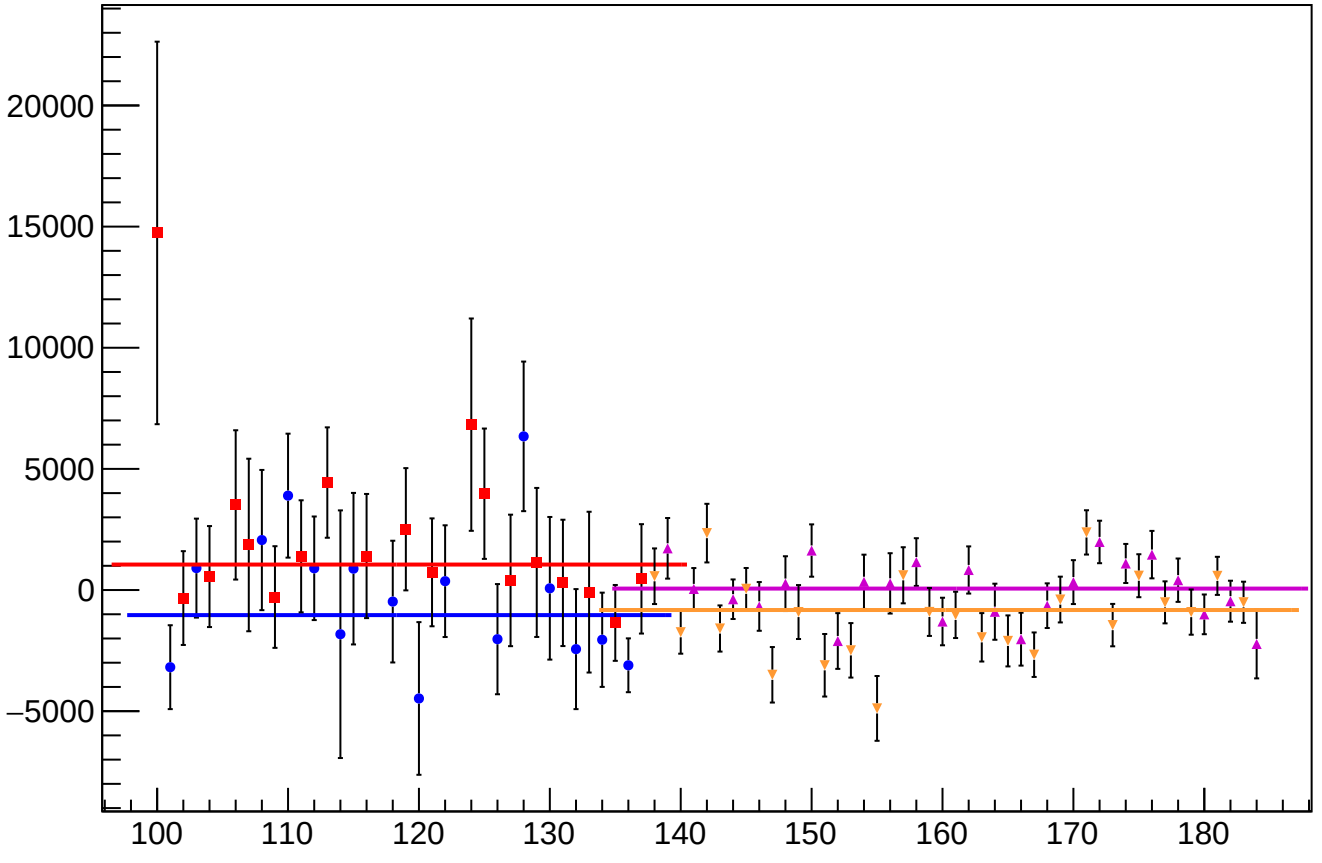
Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 81.133+/-0.011 χ^2/NDF:688399.7/38

Out: 81.566+/-0.011 χ^2/NDF:853692.2/42

All: 81.352+/-0.008 χ^2/NDF: 1542817.5/81

asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -825.019+/-199.927 χ^2/NDF:58.5/23

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

Left: -392.626+/-142.938 χ^2/NDF: 98.5/46

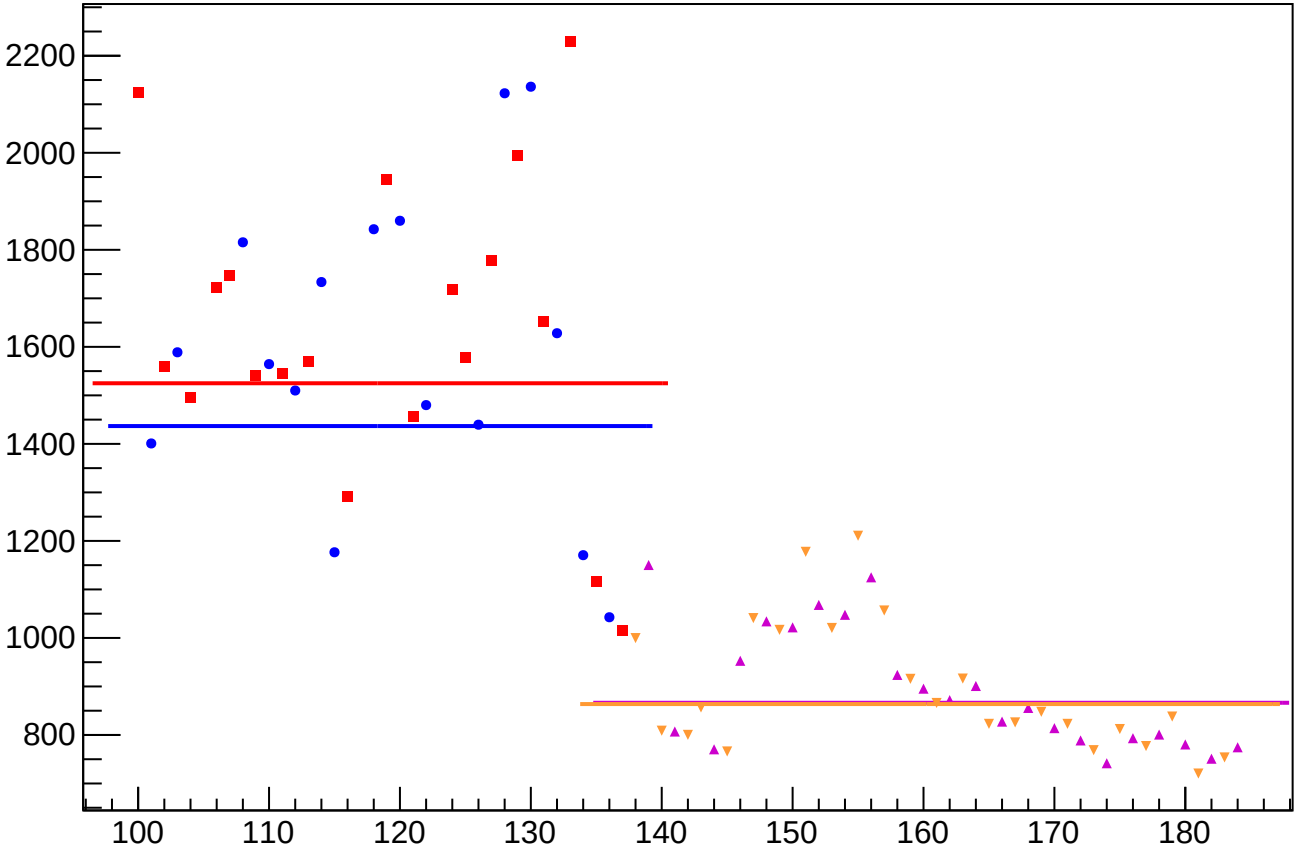
Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -73.284+/-191.636 χ^2/NDF:54.2/38

Out: -618.762+/-188.620 χ^2/NDF:81.1/42

All: -350.349+/-134.428 χ^2/NDF: 139.4/81

asym_sam_24_68_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 863.707+/-0.141 χ^2/NDF:673824.3/23

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

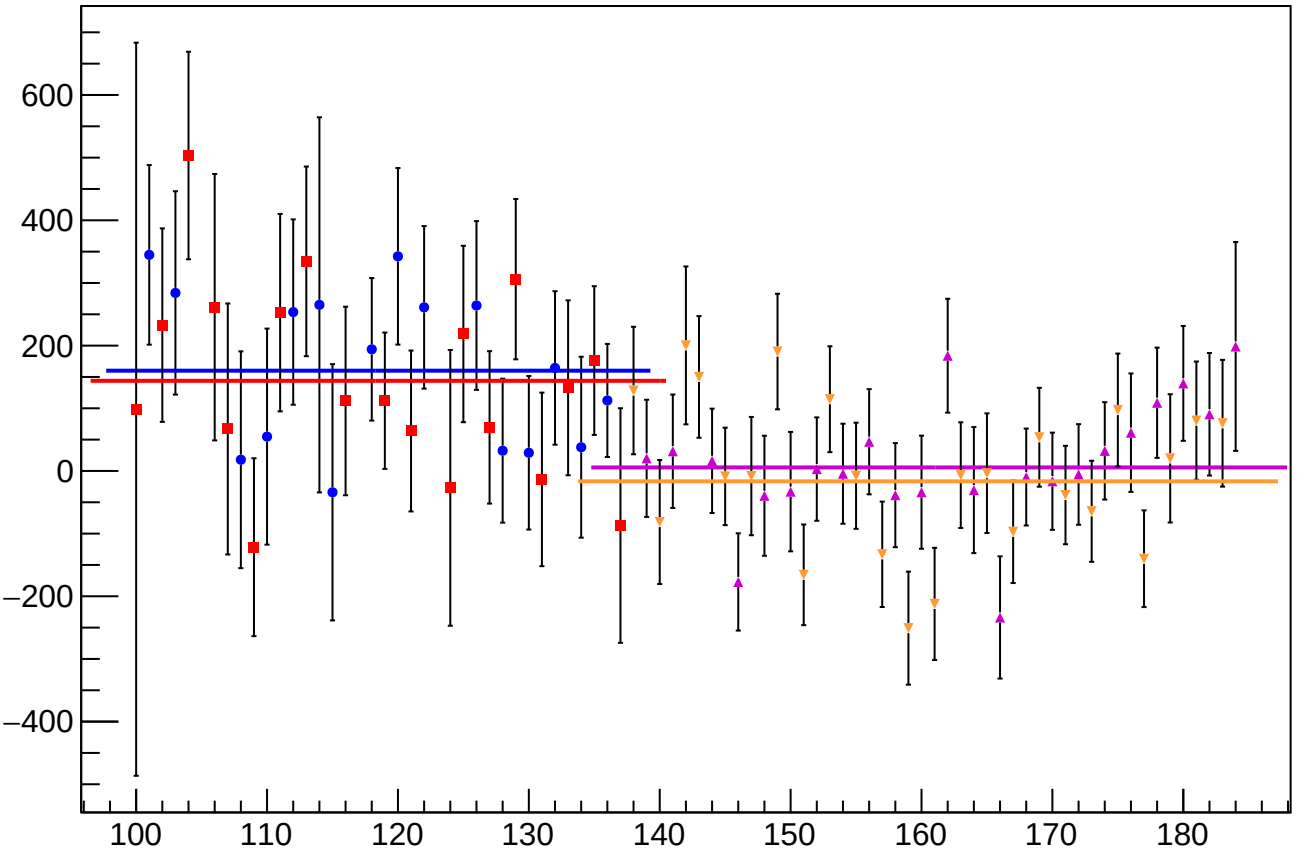
Left: 865.000+/-0.101 χ^2/NDF: 1287253.1/46

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 935.545+/-0.136 χ^2/NDF:3177554.5/38

Out: 936.387+/-0.133 χ^2/NDF:3583121.1/42

All: 935.973+/-0.095 χ^2/NDF: 6760695.2/81



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -16.570+/-18.078 χ^2/NDF:41.2/23

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

Left: -5.657+/-12.889 χ^2/NDF: 64.9/46

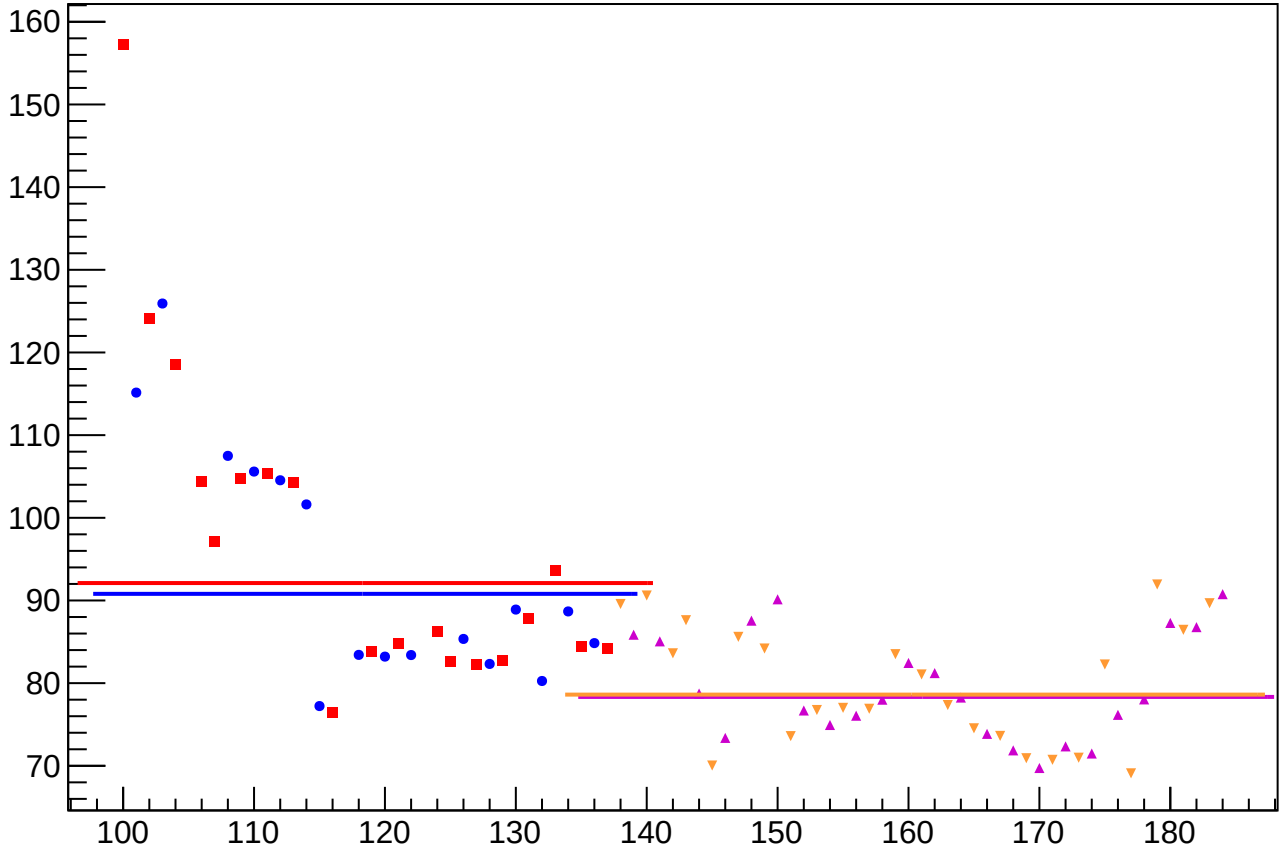
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 40.278+/-16.188 χ^2/NDF:49.9/38

Out: 18.443+/-15.984 χ^2/NDF:75.7/42

All: 29.222+/-11.374 χ^2/NDF: 126.5/81

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.613+/-0.013 χ^2/NDF:307224.1/23

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

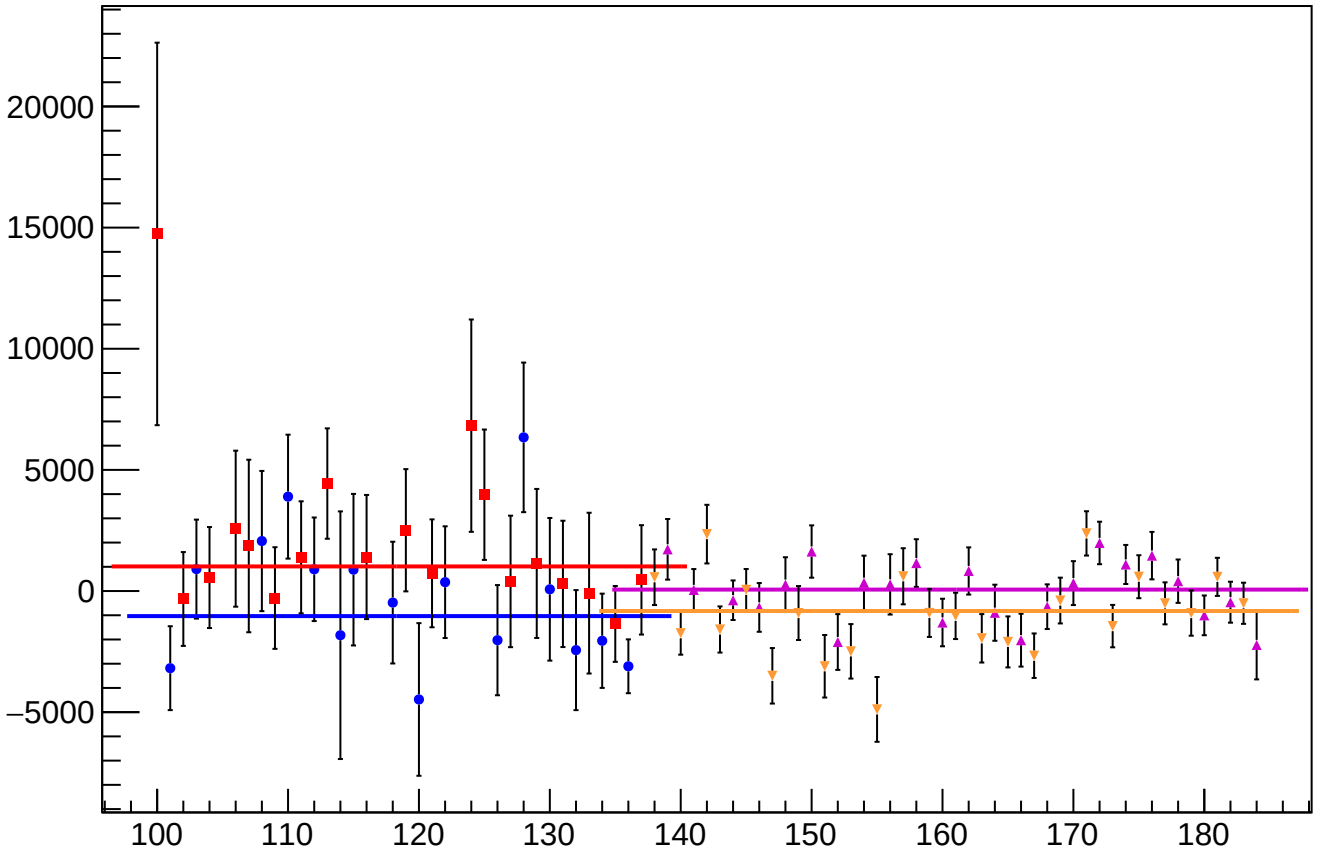
Left: 78.476+/-0.009 χ^2/NDF: 516604.3/46

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 81.133+/-0.011 χ^2/NDF:688401.7/38

Out: 81.558+/-0.011 χ^2/NDF:851209.9/42

All: 81.348+/-0.008 χ^2/NDF: 1540312.3/81



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: 59.494+/-204.437 χ^2/NDF:30.5/22

Left: -392.624+/-142.938 χ^2/NDF: 98.5/46

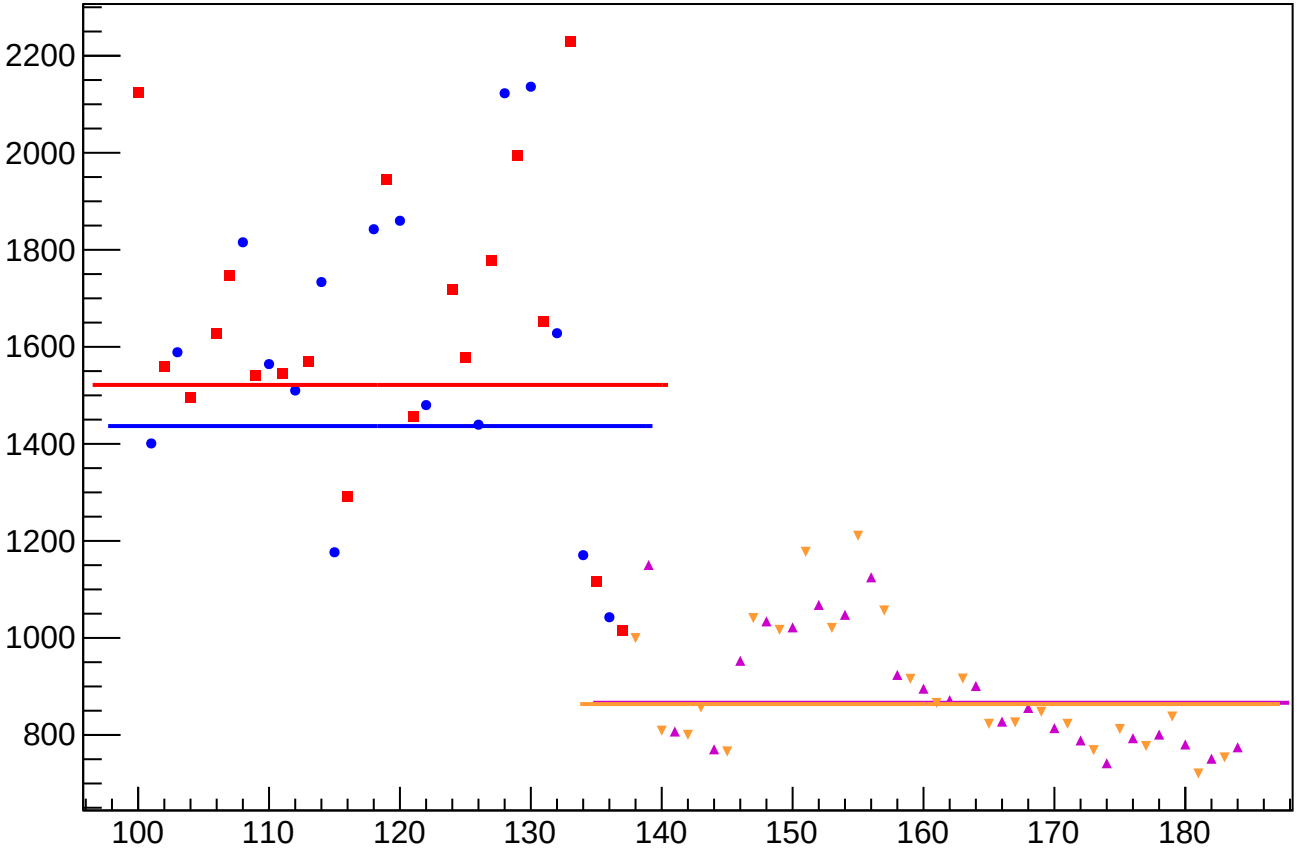
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -73.281+/-191.636 χ^2/NDF:54.2/38

Out: -623.260+/-188.651 χ^2/NDF:80.3/42

All: -352.588+/-134.439 χ^2/NDF: 138.6/81

asym_sam_24_68_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 863.707+/-0.141 χ^2/NDF:673823.1/23

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

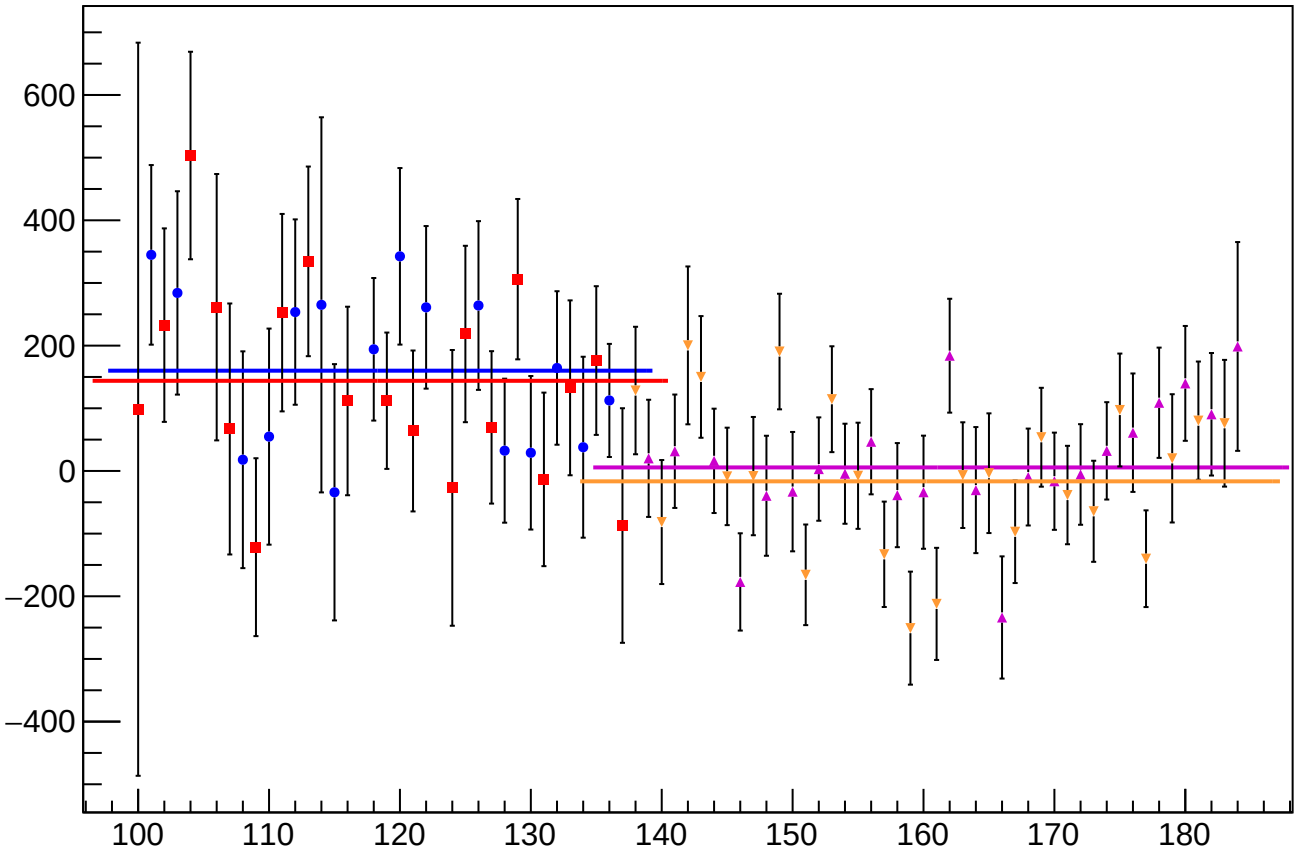
Left: 865.000+/-0.101 χ^2/NDF: 1287250.5/46

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 935.546+/-0.136 χ^2/NDF:3177573.0/38

Out: 935.818+/-0.133 χ^2/NDF:3545597.8/42

All: 935.684+/-0.095 χ^2/NDF: 6723172.9/81



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -16.570+/-18.078 χ^2/NDF:41.2/23

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

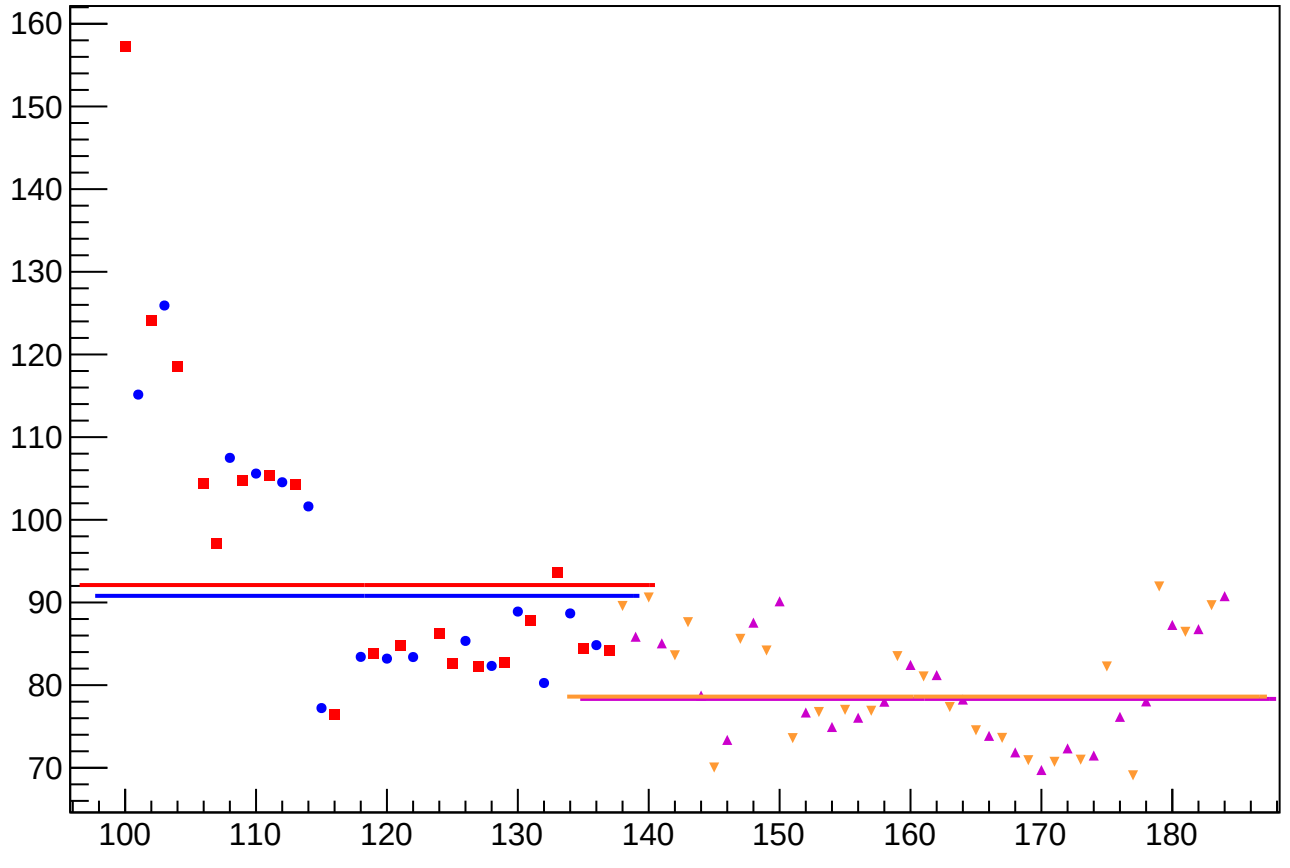
Left: -5.657+/-12.889 χ^2/NDF: 64.9/46

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 40.278+/-16.188 χ^2/NDF:49.9/38

Out: 18.443+/-15.984 χ^2/NDF:75.7/42

All: 29.222+/-11.374 χ^2/NDF: 126.5/81



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: 78.334+/-0.013 χ^2/NDF:209146.2/22

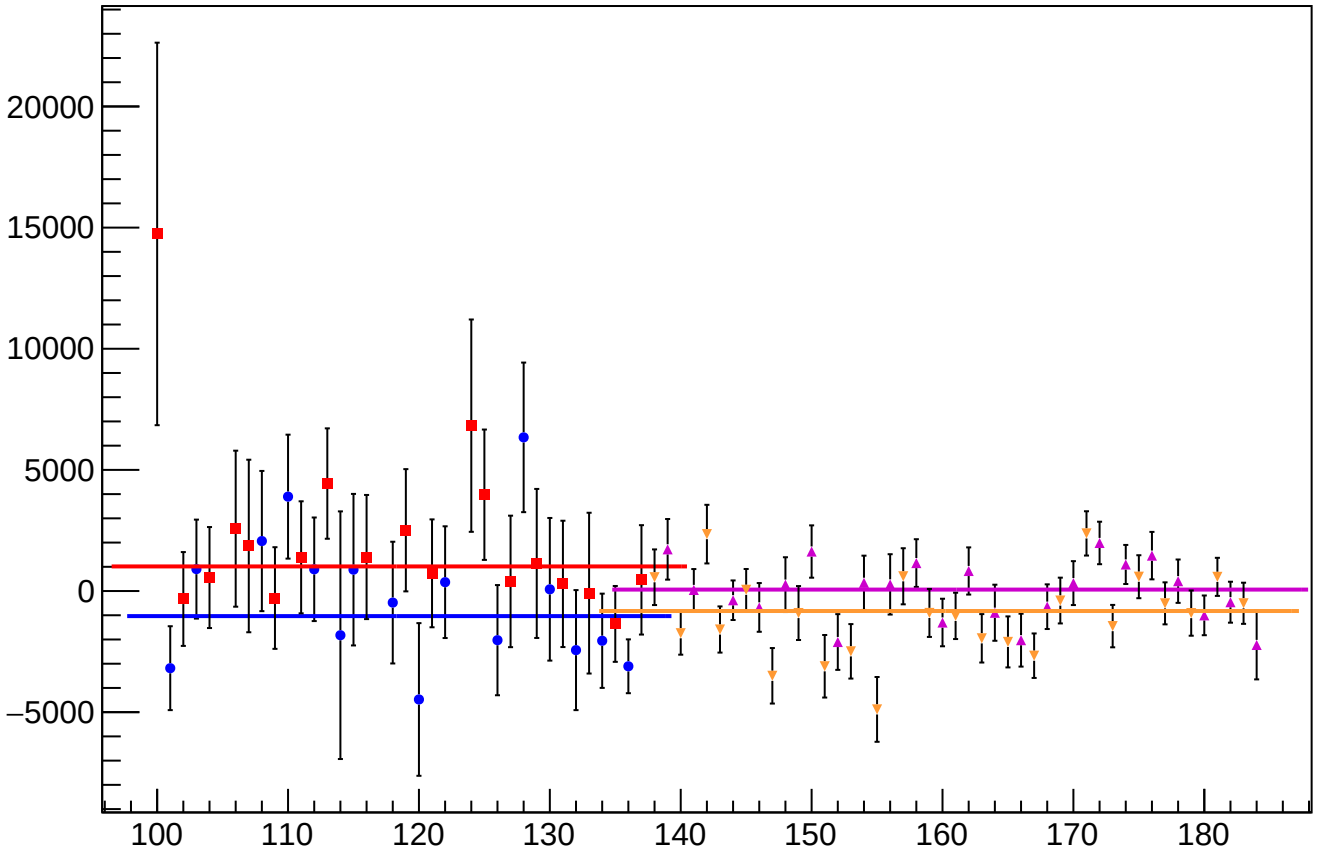
Left: 78.476+/-0.009 χ^2/NDF: 516604.3/46

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 81.133+/-0.011 χ^2/NDF:688401.7/38

Out: 81.558+/-0.011 χ^2/NDF:851209.9/42

All: 81.348+/-0.008 χ^2/NDF: 1540312.3/81



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: 59.494+/-204.437 χ^2/NDF:30.5/22

Left: -392.624+/-142.938 χ^2/NDF: 98.5/46

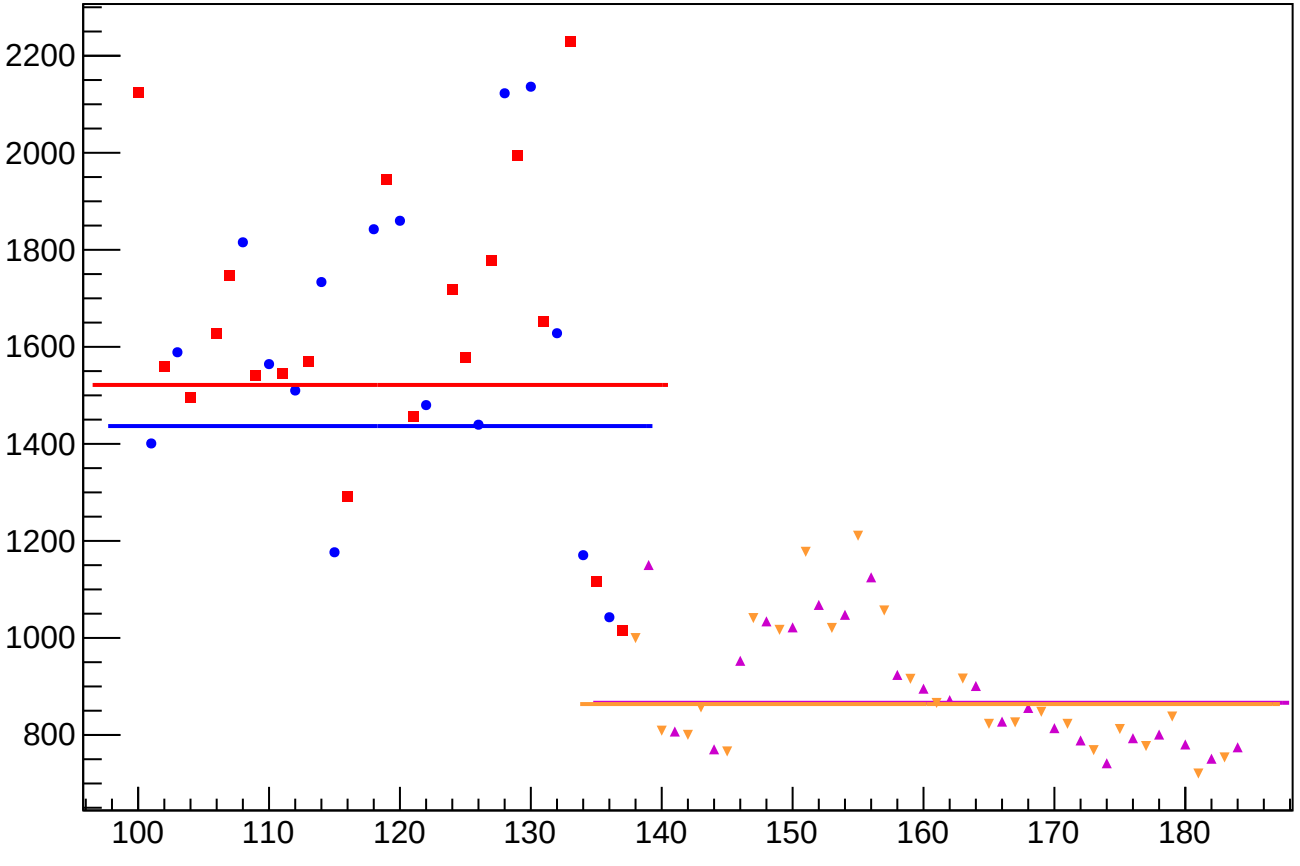
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -73.281+/-191.636 χ^2/NDF:54.2/38

Out: -623.260+/-188.651 χ^2/NDF:80.3/42

All: -352.588+/-134.439 χ^2/NDF: 138.6/81

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: 866.352+/-0.145 χ^2/NDF:613256.3/22

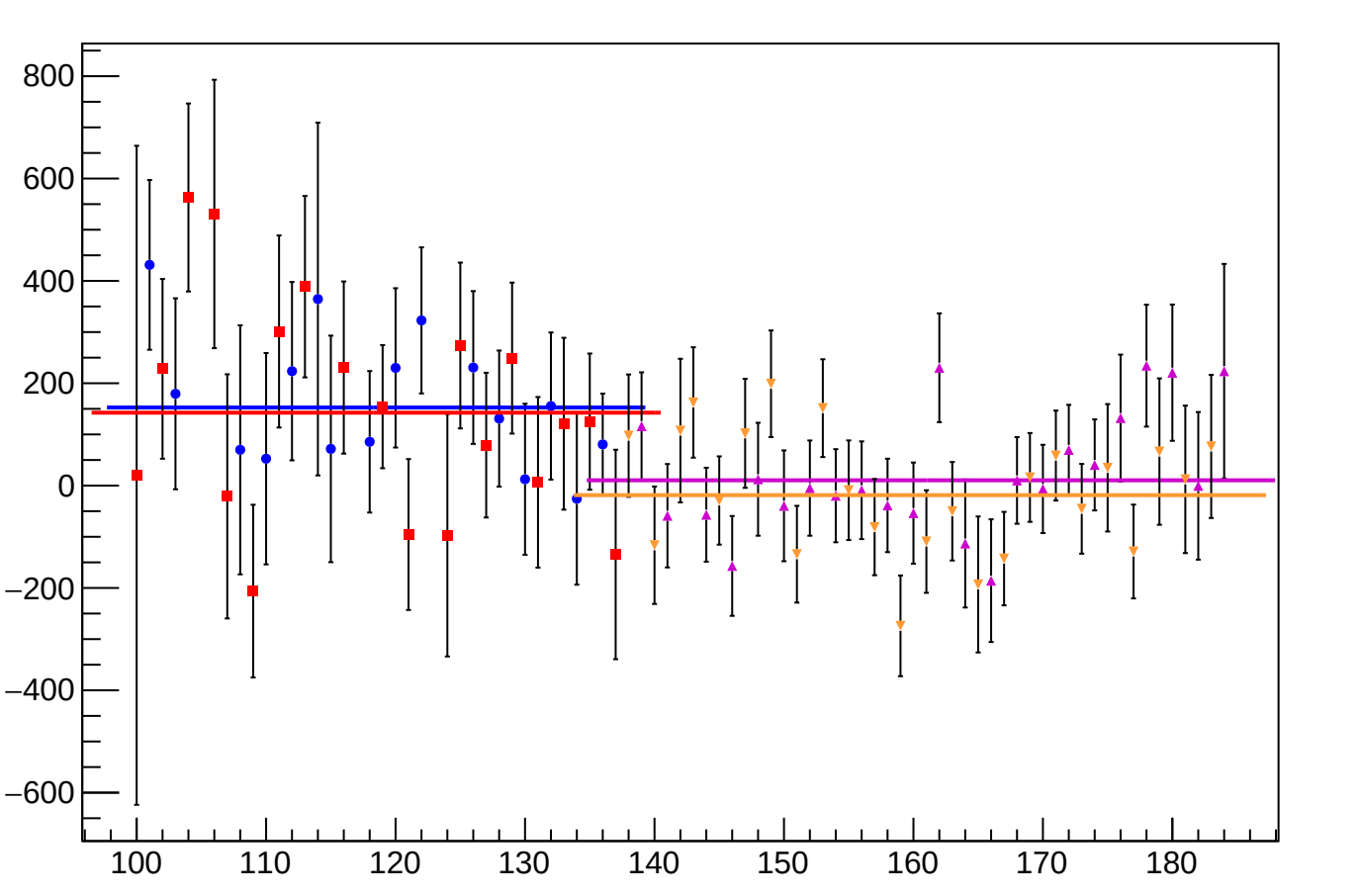
Left: 865.000+/-0.101 χ^2/NDF: 1287250.5/46

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 935.546+/-0.136 χ^2/NDF:3177573.0/38

Out: 935.818+/-0.133 χ^2/NDF:3545597.8/42

All: 935.684+/-0.095 χ^2/NDF: 6723172.9/81


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
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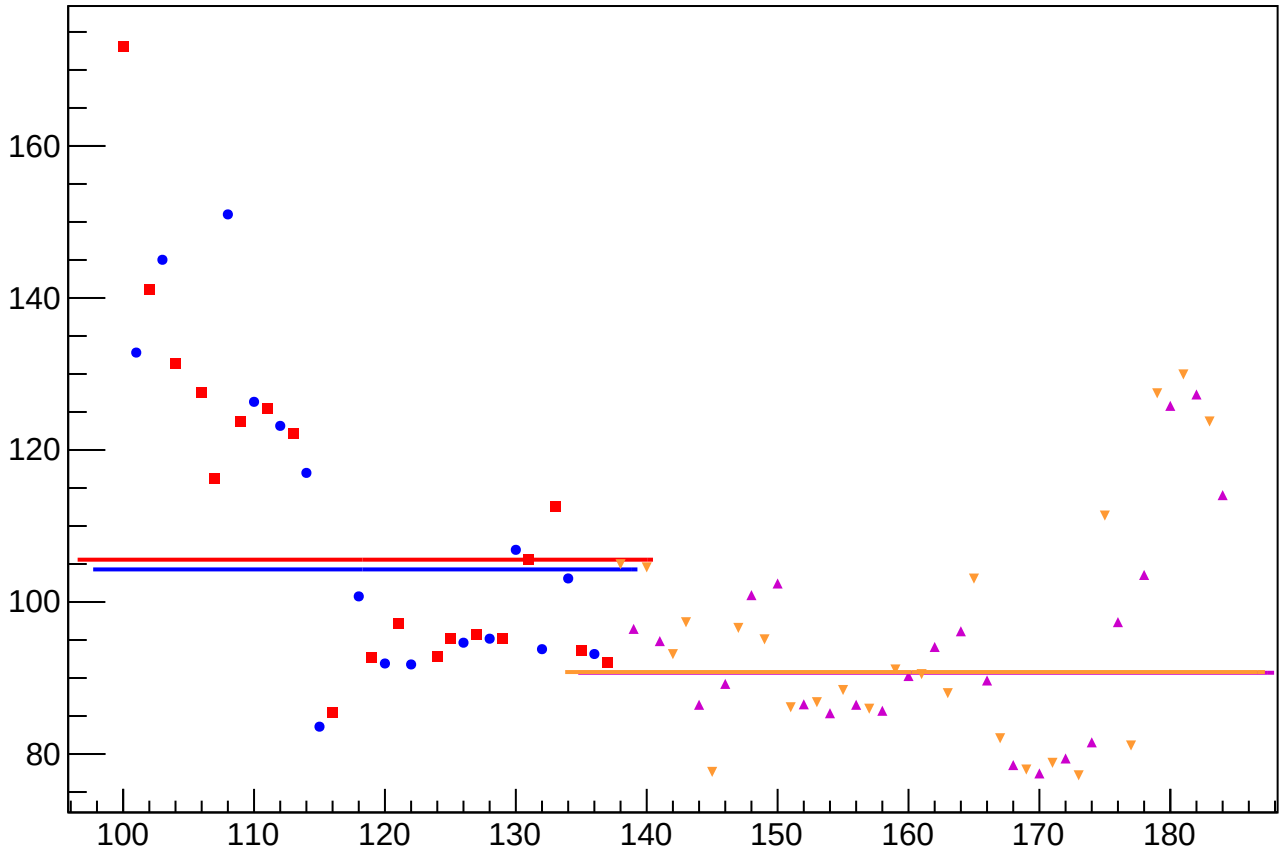
170
180
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: -18.609+/-21.086 χ²/NDF:30.8/23
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: 10.412+/-21.503 χ²/NDF:22.6/22
Left: -4.383+/-15.055 χ²/NDF: 54.4/46
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 42.991+/-18.880 χ²/NDF:41.3/38
Out: 17.344+/-18.585 χ²/NDF:66.8/42
All: 29.966+/-13.245 χ²/NDF: 109.0/81



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: 90.690+/-0.015 χ^2/NDF:545969.6/22

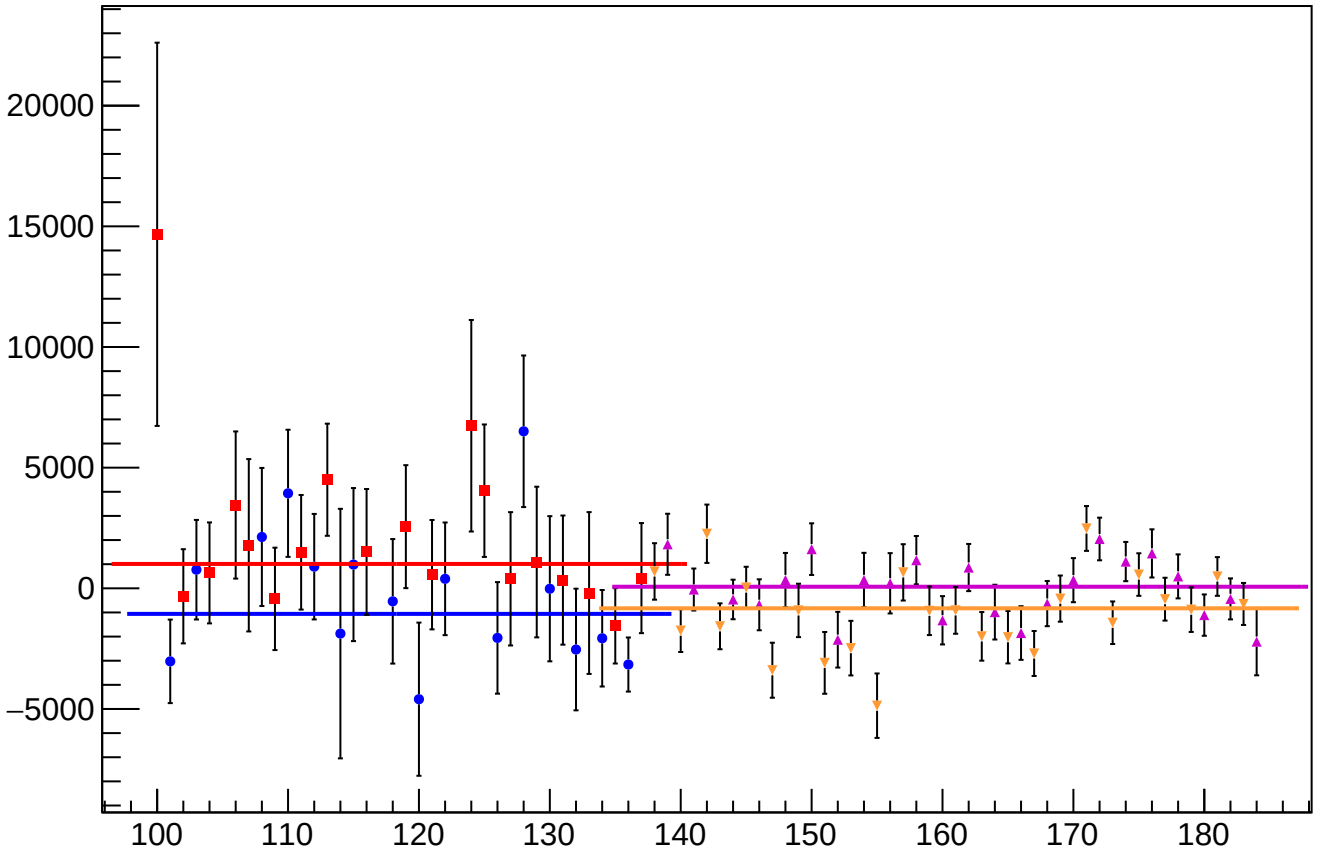
Left: 90.738+/-0.011 χ^2/NDF: 1314402.7/46

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 93.805+/-0.013 χ^2/NDF:1107449.3/38

Out: 94.083+/-0.013 χ^2/NDF:1332451.4/42

All: 93.946+/-0.009 χ^2/NDF: 2440121.3/81



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: 65.218+/-206.677 χ^2/NDF:30.7/22

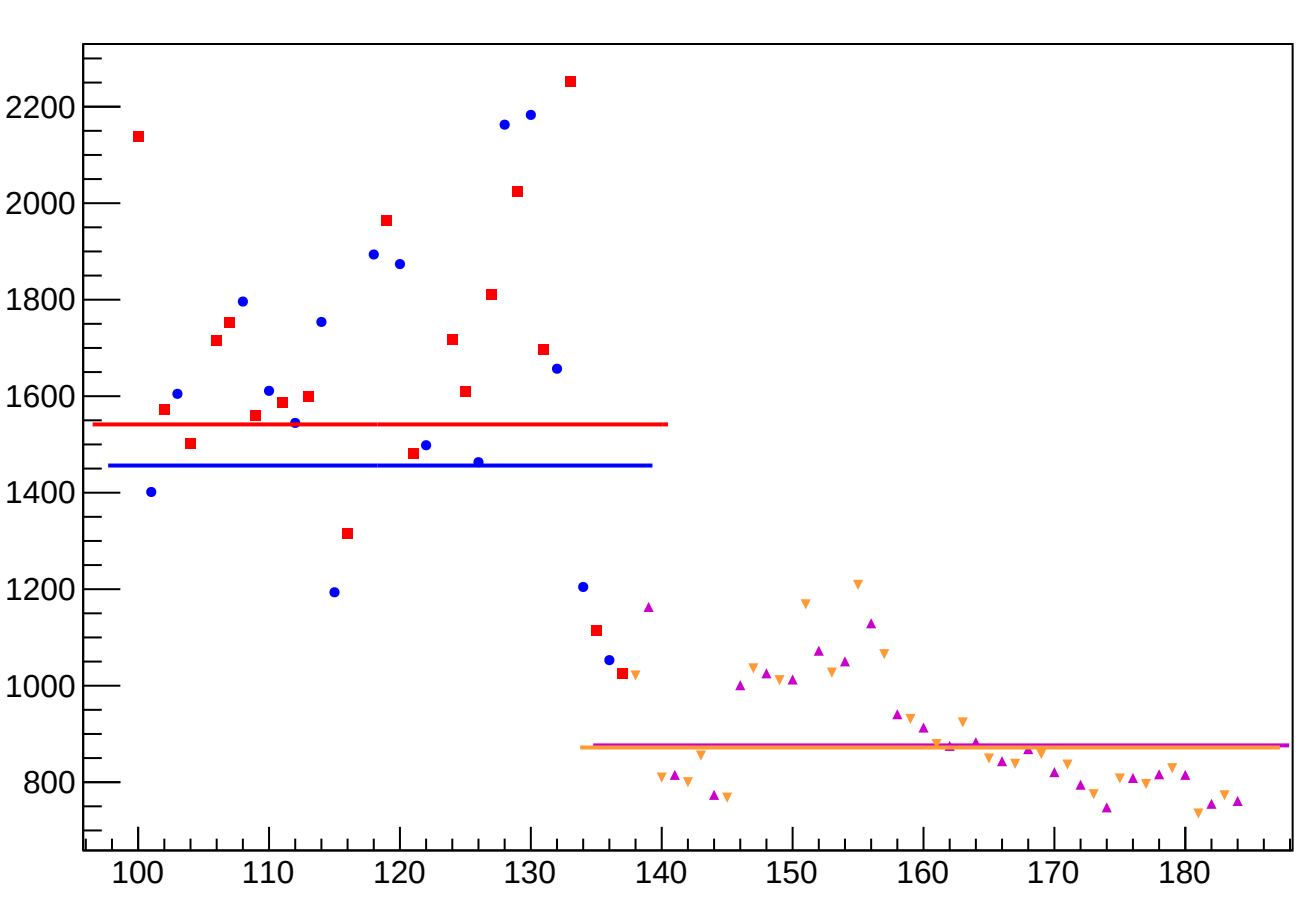
Left: -392.530+/-144.332 χ^2/NDF: 97.7/46

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -70.600+/-193.795 χ^2/NDF:54.3/38

Out: -627.025+/-190.290 χ^2/NDF:79.8/42

All: -353.890+/-135.778 χ^2/NDF: 138.3/81



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: 876.273+/-0.146 χ^2/NDF:597200.7/22

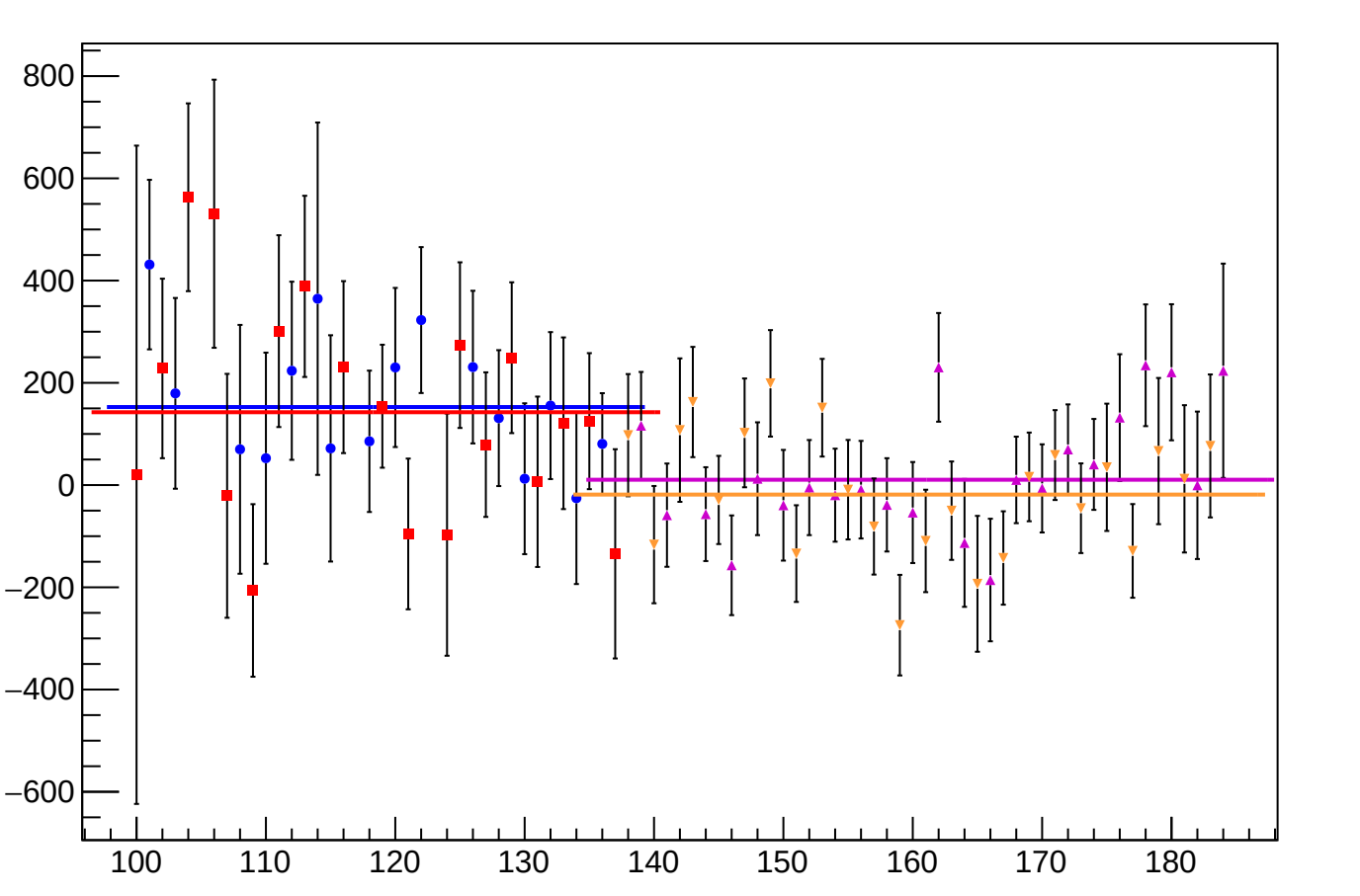
Left: 874.057+/-0.102 χ^2/NDF: 1234502.5/46

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 946.325+/-0.137 χ^2/NDF:3184471.9/38

Out: 945.255+/-0.135 χ^2/NDF:3570443.6/42

All: 945.780+/-0.096 χ^2/NDF: 6754946.5/81


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
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170
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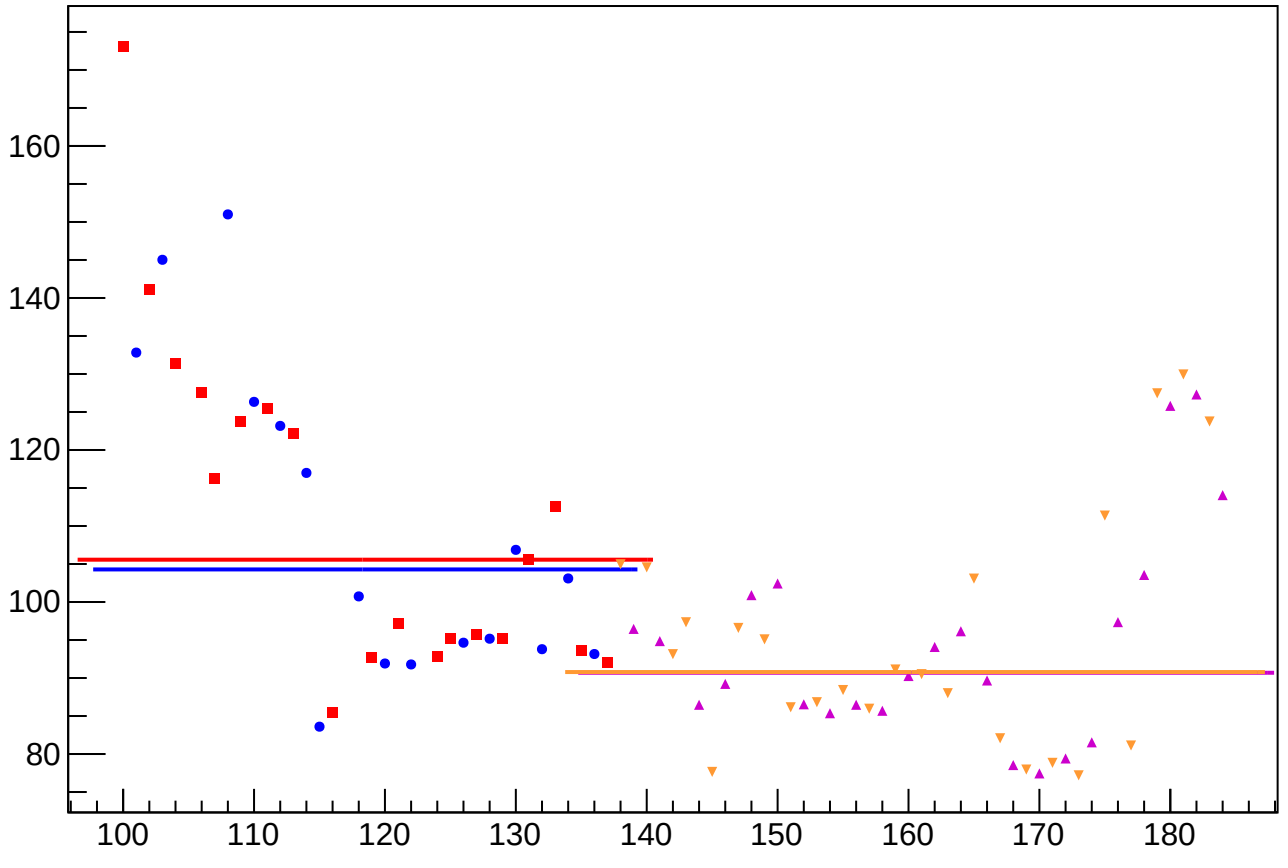
Right In: 152.628+/-39.446 χ²/NDF: 8.6/15
Left Out: -18.609+/-21.086 χ²/NDF:30.8/23
Right Out: 142.494+/-39.340 χ²/NDF: 22.9/18
Left In: 10.412+/-21.503 χ²/NDF:22.6/22
Left: -4.383+/-15.055 χ²/NDF: 54.4/46
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 42.992+/-18.880 χ²/NDF:41.3/38
Out: 17.344+/-18.585 χ²/NDF:66.8/42
All: 29.966+/-13.245 χ²/NDF: 109.0/81



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: 90.690+/-0.015 χ^2/NDF:545960.7/22

Left: 90.738+/-0.011 χ^2/NDF: 1314400.3/46

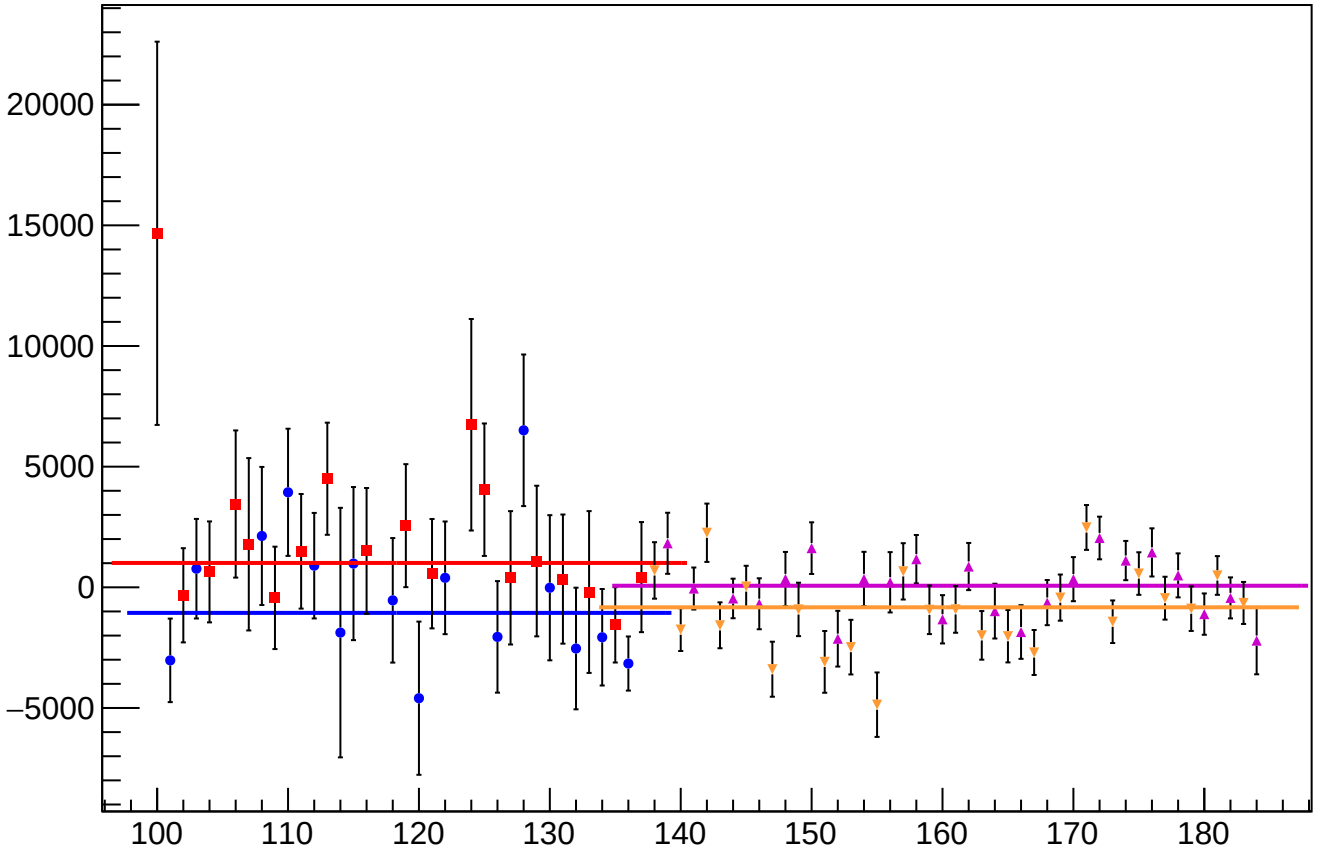
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 93.805+/-0.013 χ^2/NDF:1107419.4/38

Out: 94.083+/-0.013 χ^2/NDF:1332435.0/42

All: 93.946+/-0.009 χ^2/NDF: 2440075.3/81

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: 65.218+/-206.677 χ^2/NDF:30.7/22

Left: -392.529+/-144.332 χ^2/NDF: 97.7/46

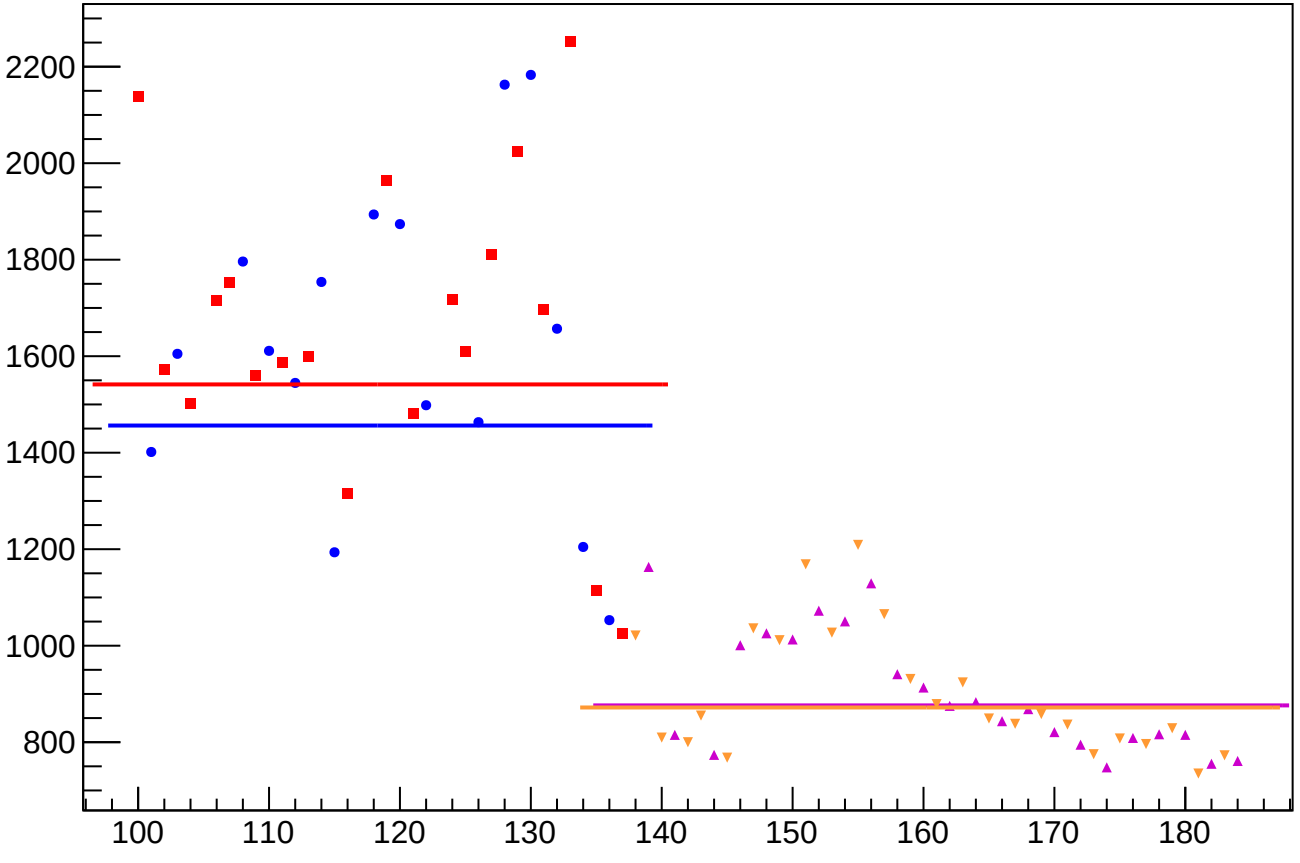
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -70.600+/-193.795 χ^2/NDF:54.3/38

Out: -627.024+/-190.290 χ^2/NDF:79.8/42

All: -353.889+/-135.778 χ^2/NDF: 138.3/81

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: 876.272+/-0.146 χ^2/NDF:597200.9/22

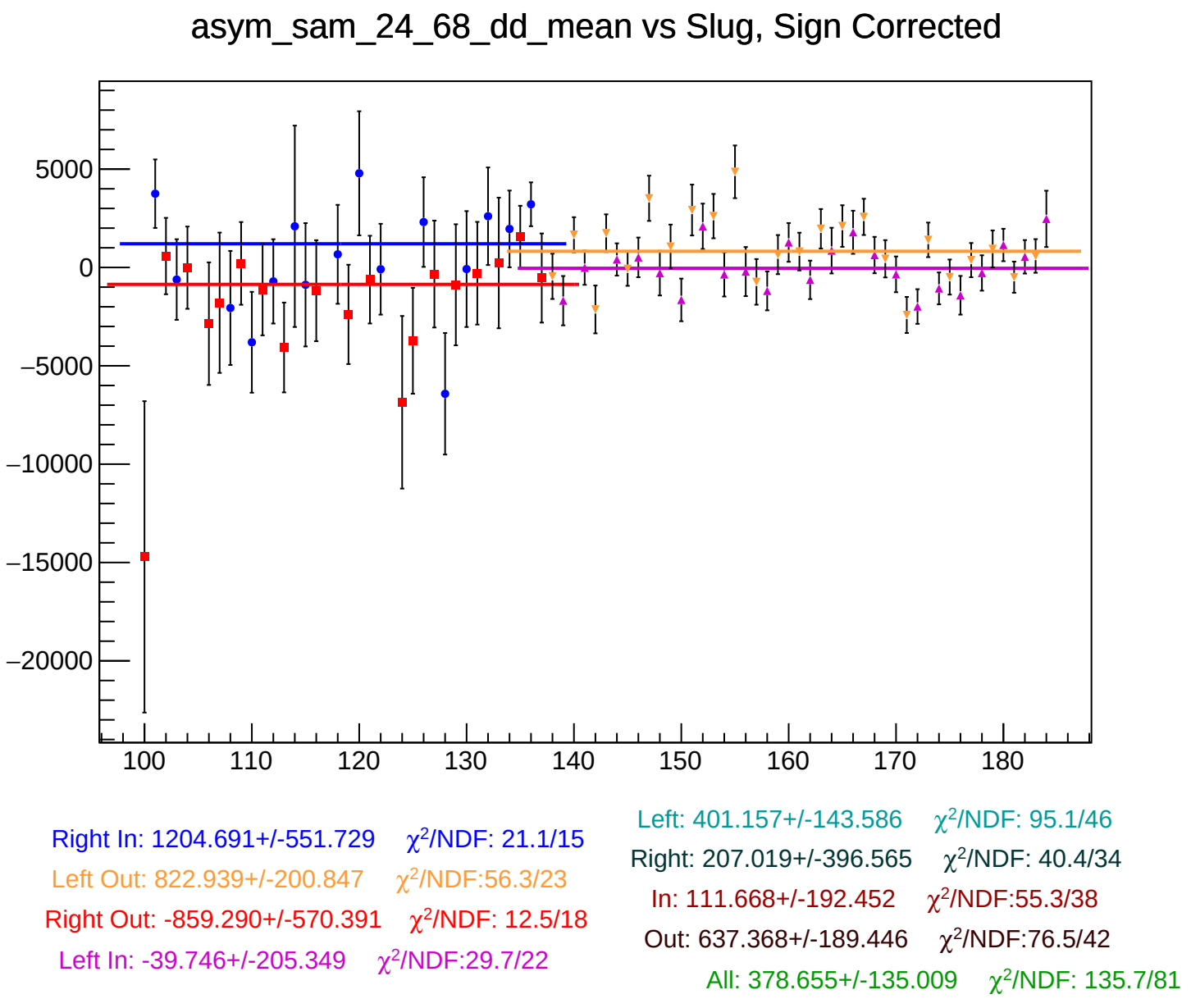
Left: 874.057+/-0.102 χ^2/NDF: 1234504.5/46

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 946.324+/-0.137 χ^2/NDF:3184464.6/38

Out: 945.254+/-0.135 χ^2/NDF:3570438.0/42

All: 945.780+/-0.096 χ^2/NDF: 6754933.6/81


asym_sam_24_68_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
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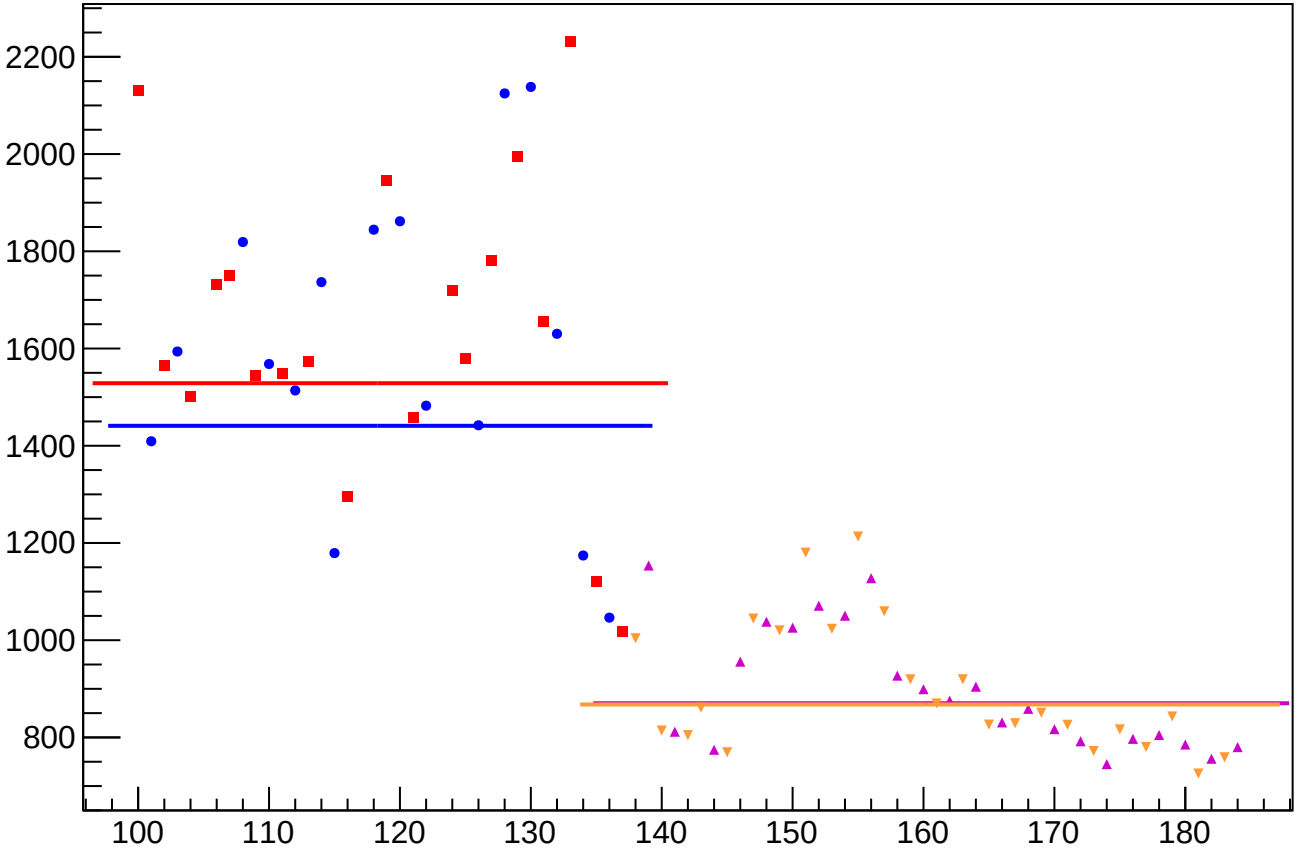
140
150
160
170
180
Right In: 1204.691+/-551.729 χ²/NDF: 21.1/15
Left Out: 822.939+/-200.847 χ²/NDF:56.3/23
Right Out: -859.290+/-570.391 χ²/NDF: 12.5/18
Left In: -39.746+/-205.349 χ²/NDF:29.7/22
Left: 401.157+/-143.586 χ²/NDF: 95.1/46
Right: 207.019+/-396.565 χ²/NDF: 40.4/34
In: 111.668+/-192.452 χ²/NDF:55.3/38
Out: 637.368+/-189.446 χ²/NDF:76.5/42
All: 378.655+/-135.009 χ²/NDF: 135.7/81

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: 870.346+/-0.145 χ^2/NDF:604520.6/22

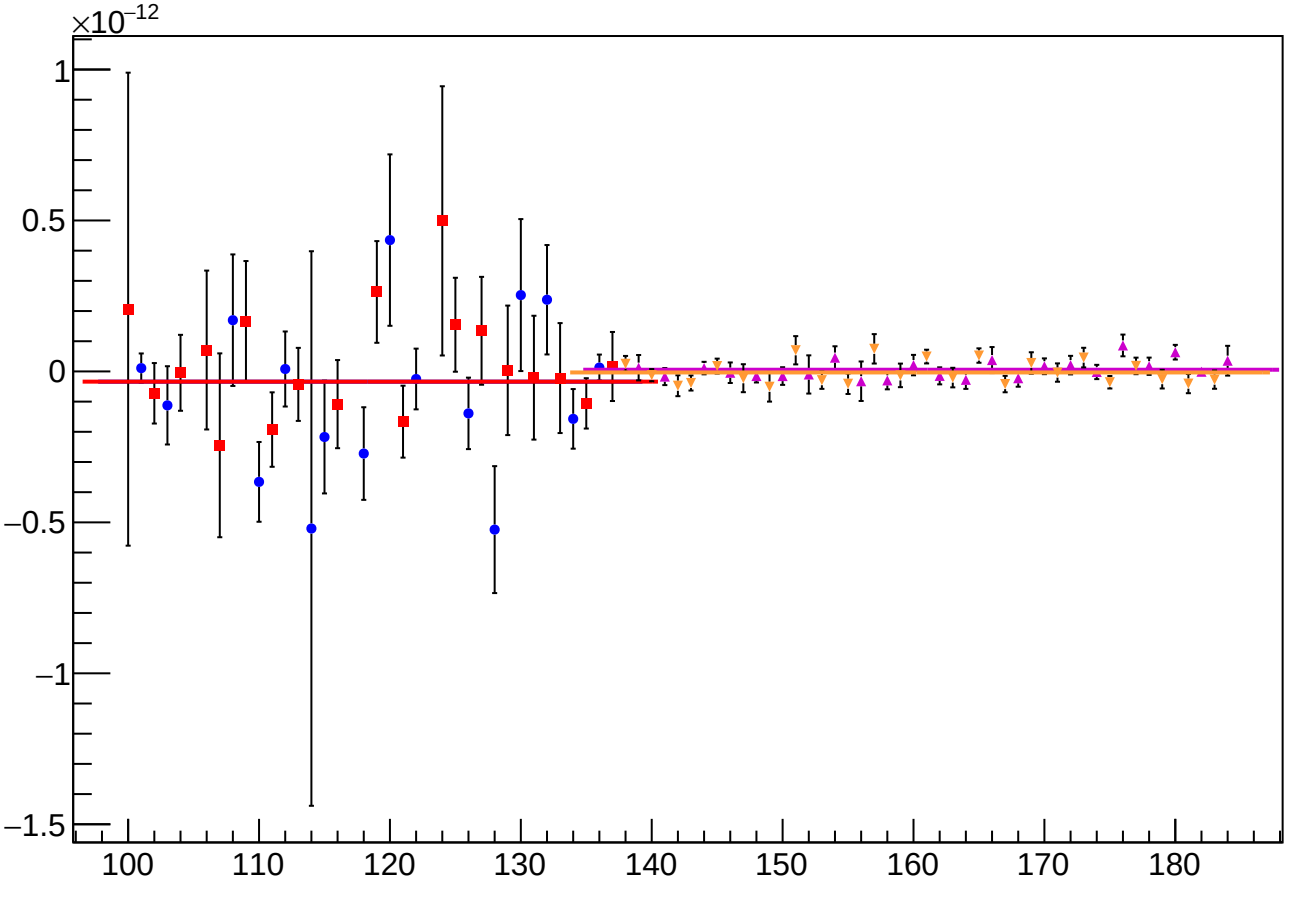
Left: 869.060+/-0.102 χ^2/NDF: 1268662.3/46

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 939.782+/-0.136 χ^2/NDF:3154592.7/38

Out: 940.727+/-0.134 χ^2/NDF:3554011.3/42

All: 940.262+/-0.095 χ^2/NDF: 6708628.5/81



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:20.6/22

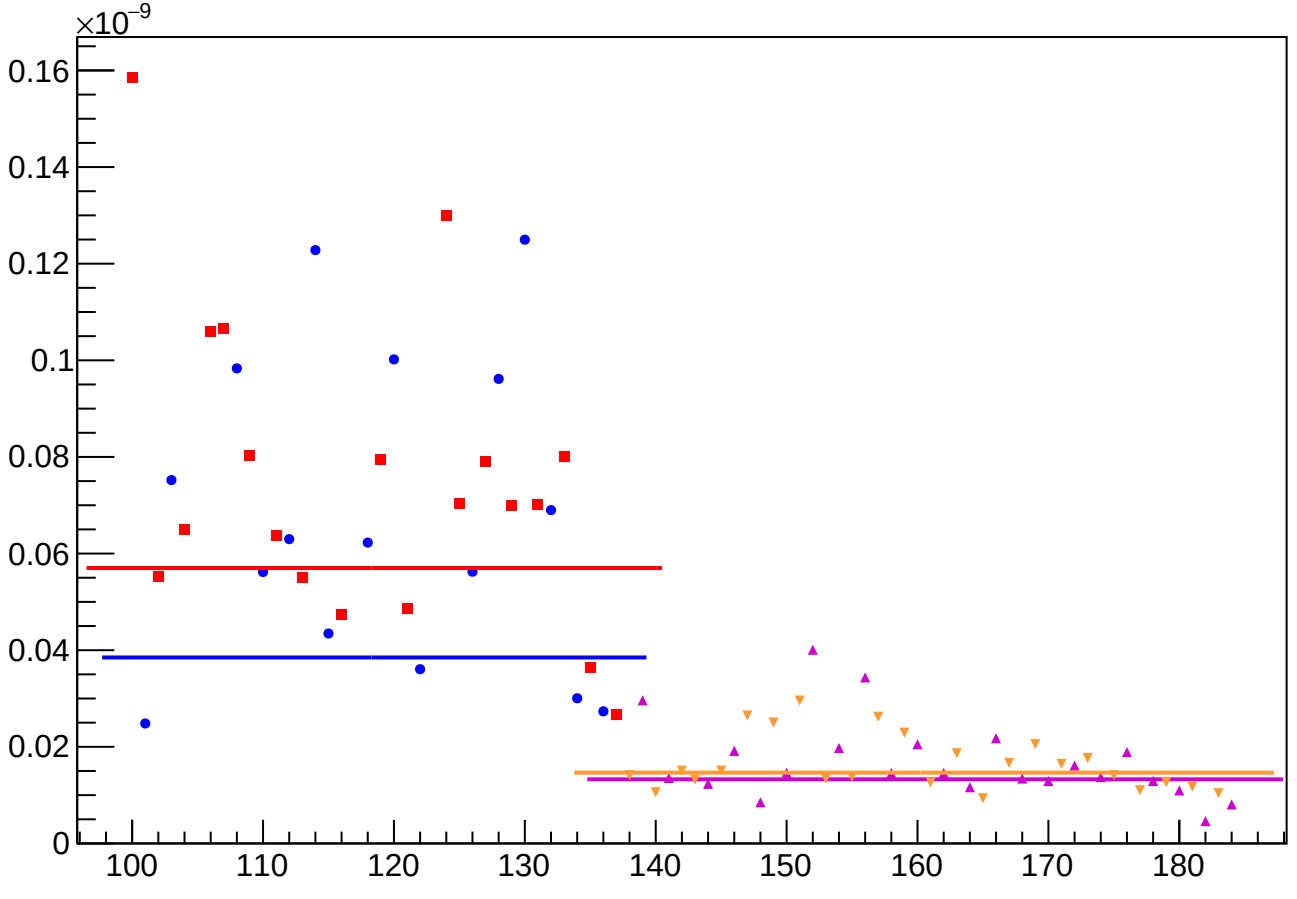
Left: 0.000+/-0.000 χ^2/NDF: 57.4/46

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: 0.000+/-0.000 χ^2/NDF:50.4/38

Out: -0.000+/-0.000 χ^2/NDF:49.4/42

All: -0.000+/-0.000 χ^2/NDF: 100.7/81



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:1970835.1/22

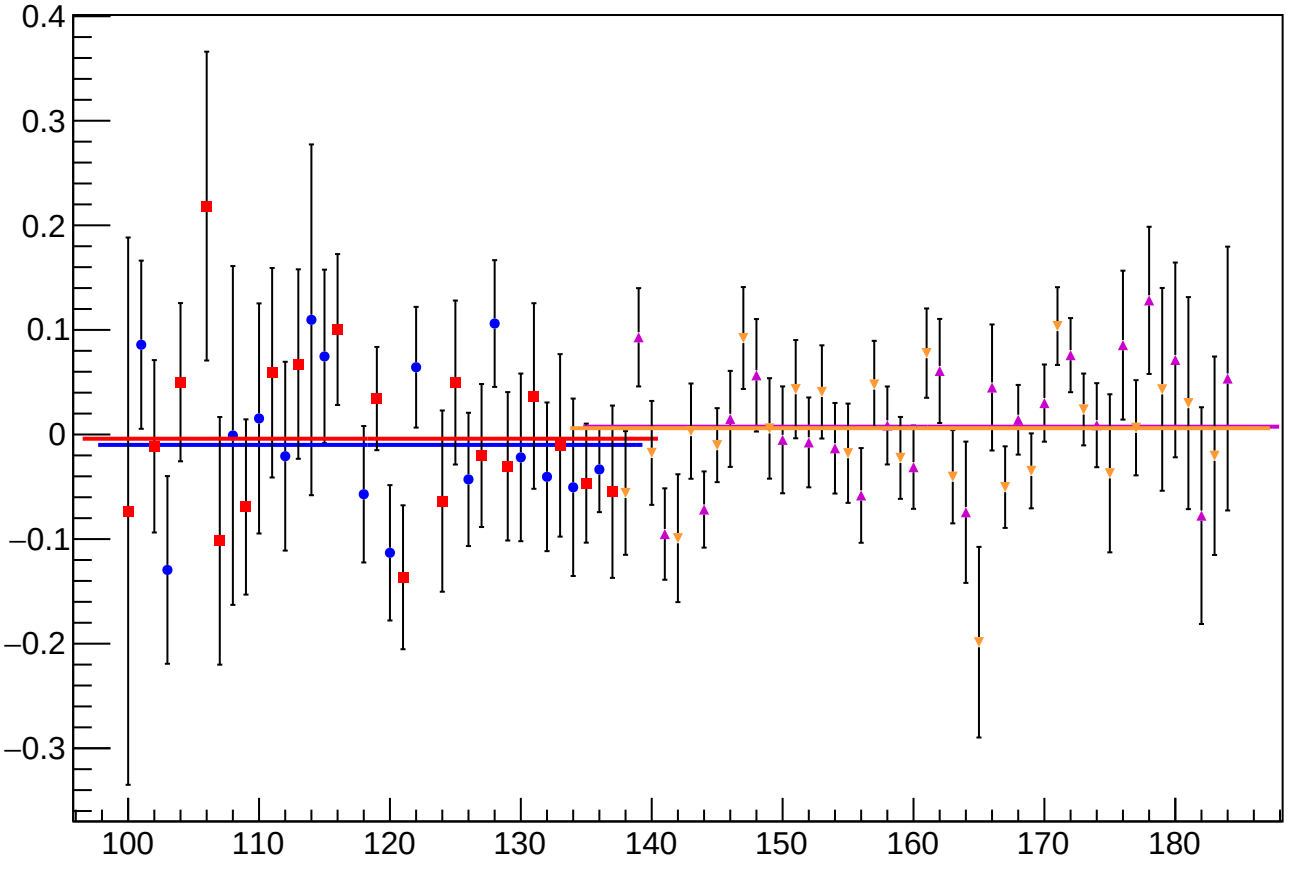
Left: 0.000+/-0.000 χ^2/NDF: 3079145.6/46

Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:5271667.7/38

Out: 0.000+/-0.000 χ^2/NDF:4763938.8/42

All: 0.000+/-0.000 χ^2/NDF: 10085031.8/81



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:30.4/22

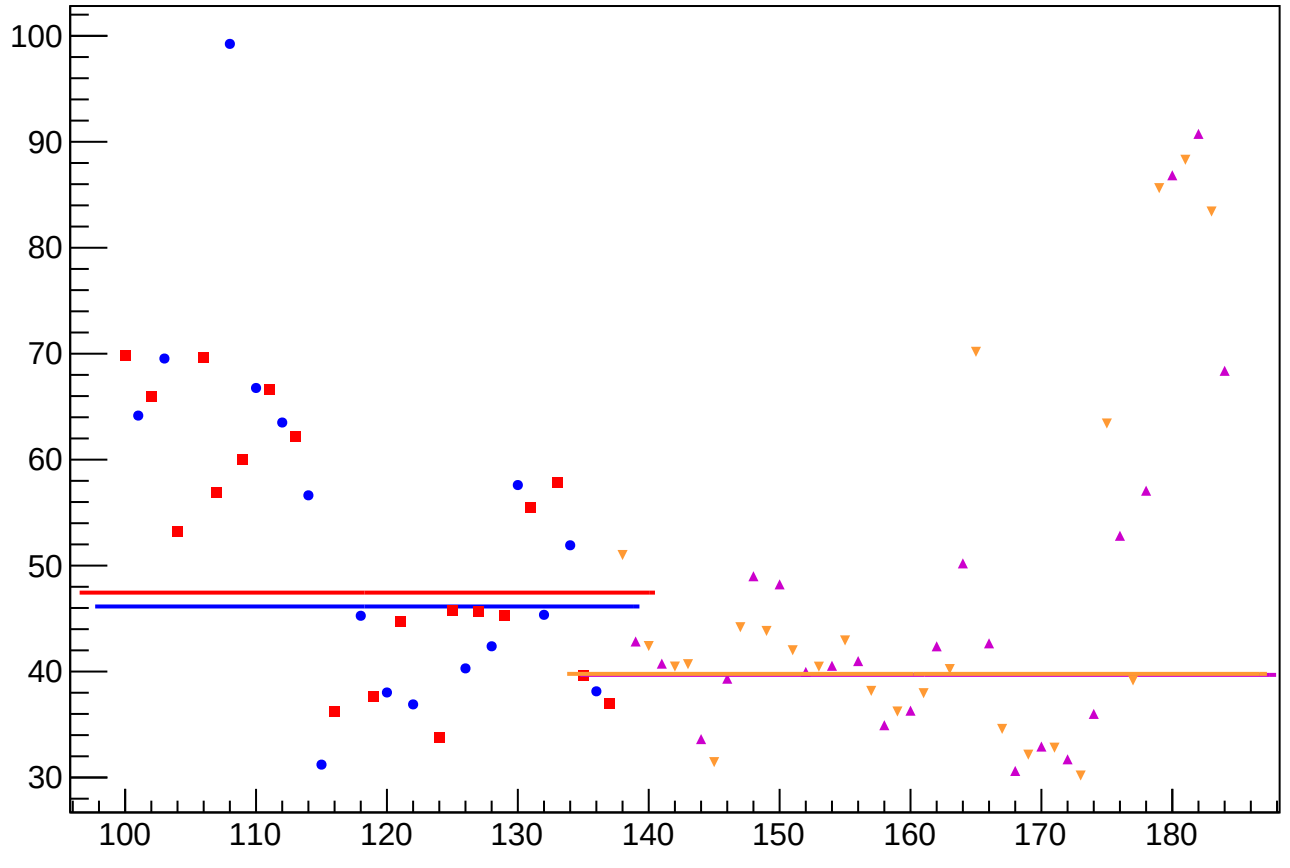
Left: 0.007+/-0.007 χ^2/NDF: 61.2/46

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.004+/-0.009 χ^2/NDF:45.4/38

Out: 0.004+/-0.008 χ^2/NDF:44.8/42

All: 0.004+/-0.006 χ^2/NDF: 90.2/81



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: 39.686+/-0.007 χ^2/NDF:1915871.4/22

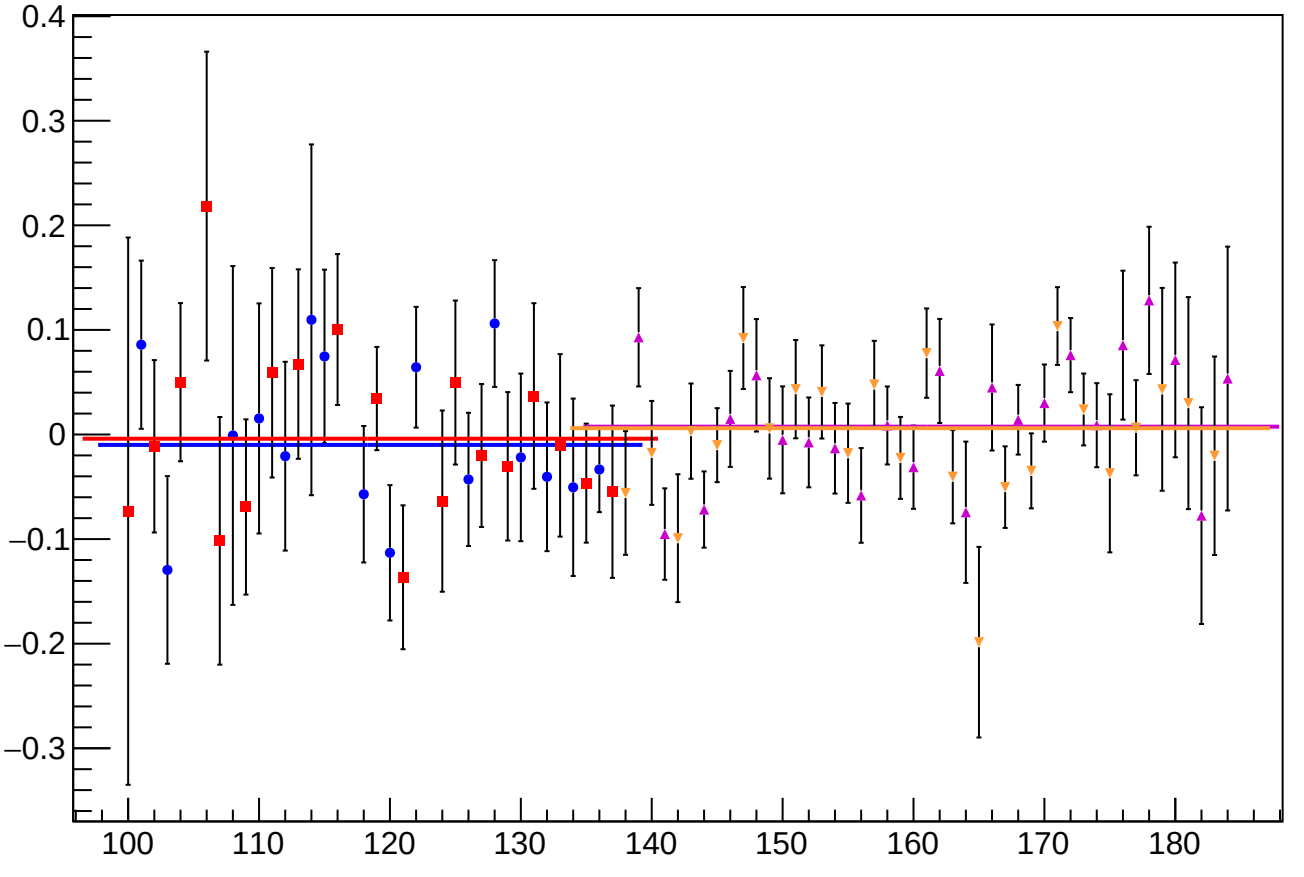
Left: 39.734+/-0.005 χ^2/NDF: 4272574.7/46

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 41.157+/-0.006 χ^2/NDF:3017948.3/38

Out: 41.464+/-0.006 χ^2/NDF:3291751.8/42

All: 41.312+/-0.004 χ^2/NDF: 6310992.8/81



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:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.2/46

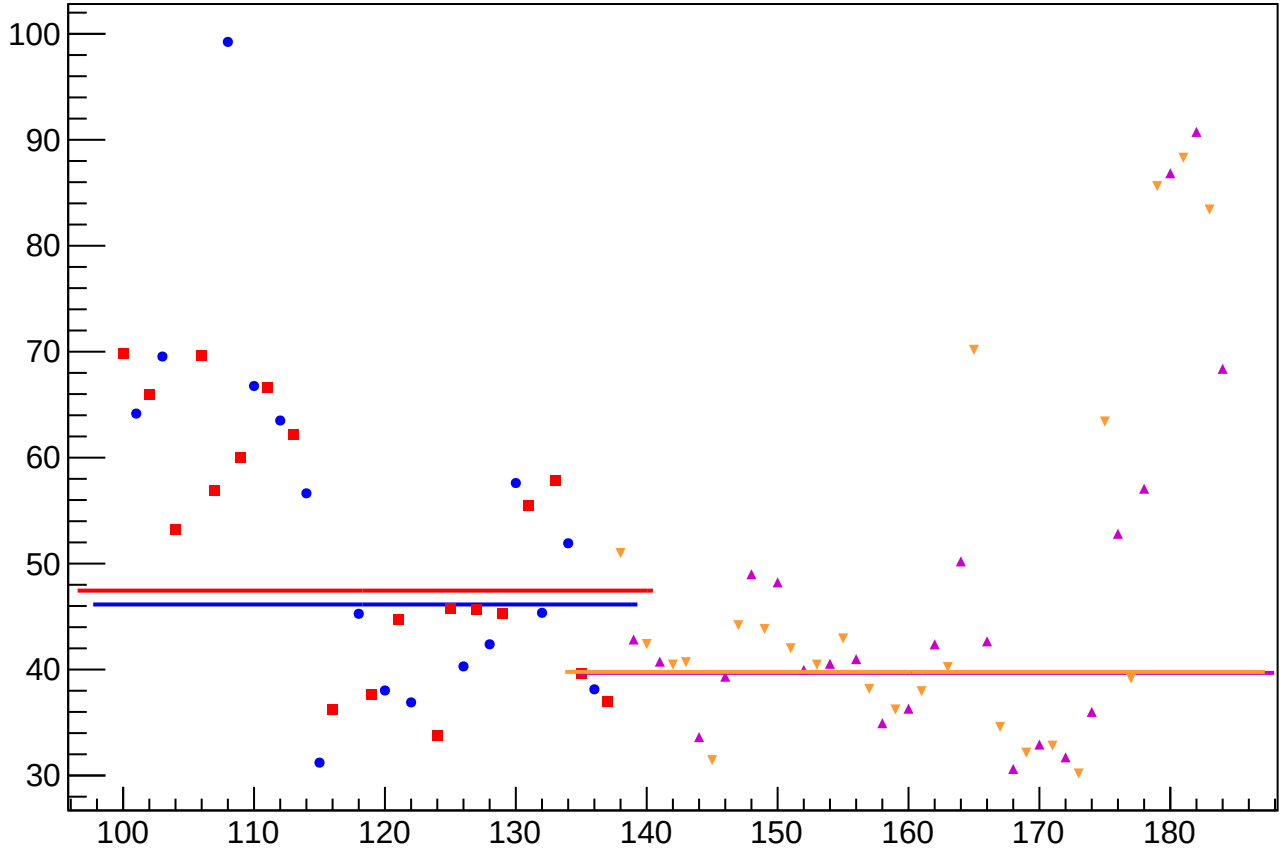
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.004+/-0.009 χ^2/NDF:45.4/38

Out: 0.004+/-0.008 χ^2/NDF:44.8/42

All: 0.004+/-0.006 χ^2/NDF: 90.2/81

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: 39.686+/-0.007 χ^2/NDF:1915871.4/22

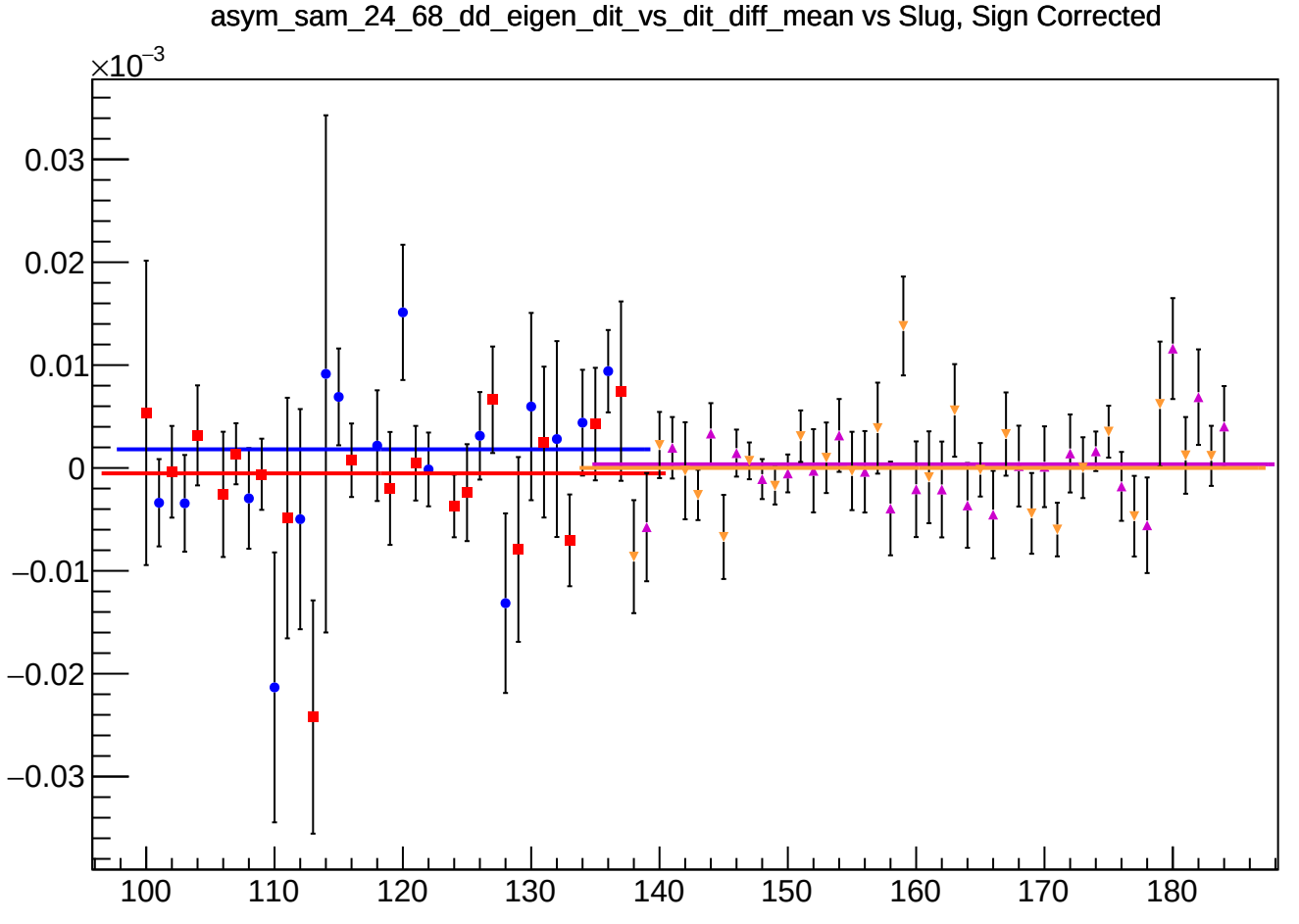
Left: 39.734+/-0.005 χ^2/NDF: 4272574.7/46

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 41.157+/-0.006 χ^2/NDF:3017948.3/38

Out: 41.464+/-0.006 χ^2/NDF:3291751.8/42

All: 41.312+/-0.004 χ^2/NDF: 6310992.8/81



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:18.7/22

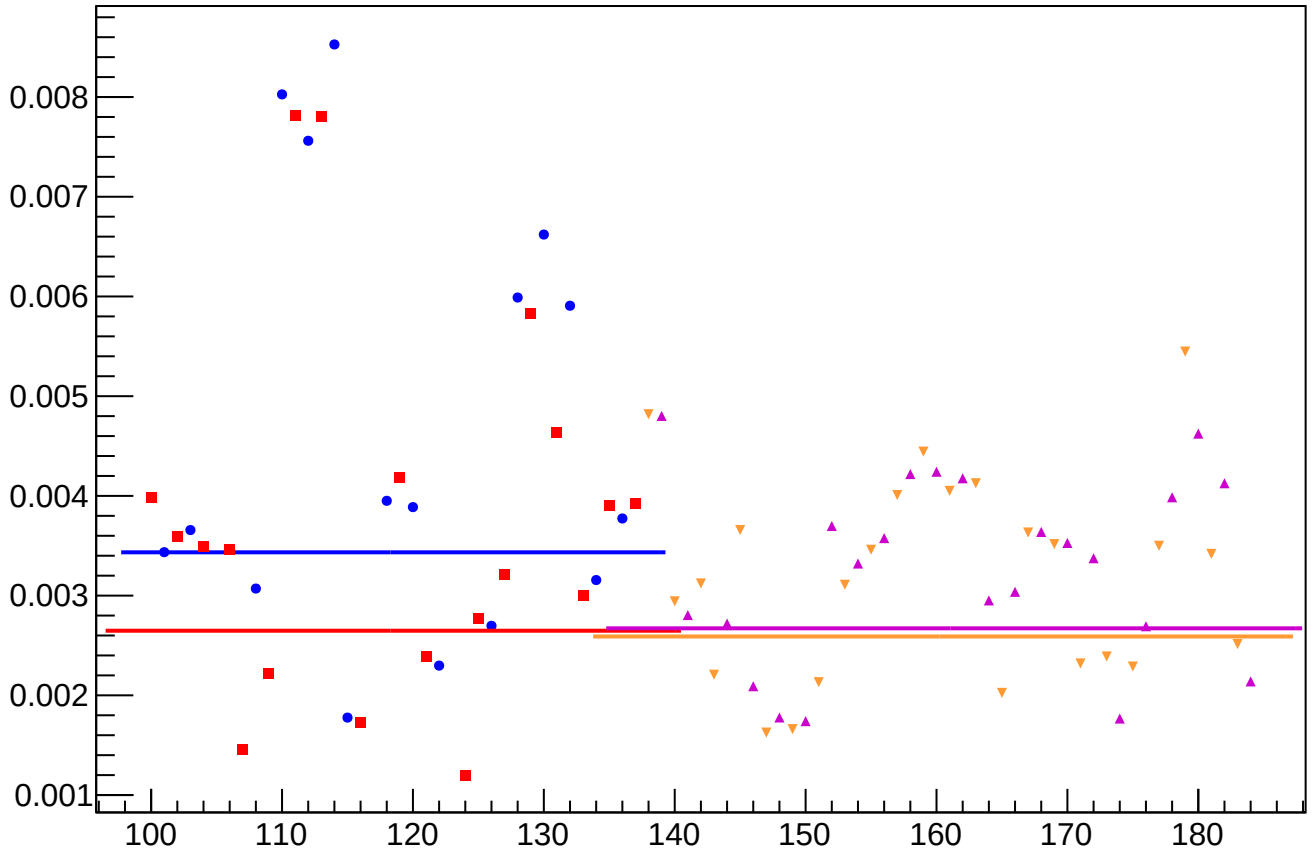
Left: 0.000+/-0.000 χ^2/NDF: 50.8/46

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:39.6/38

Out: -0.000+/-0.000 χ^2/NDF:45.9/42

All: 0.000+/-0.000 χ^2/NDF: 86.4/81



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:3825662.0/22

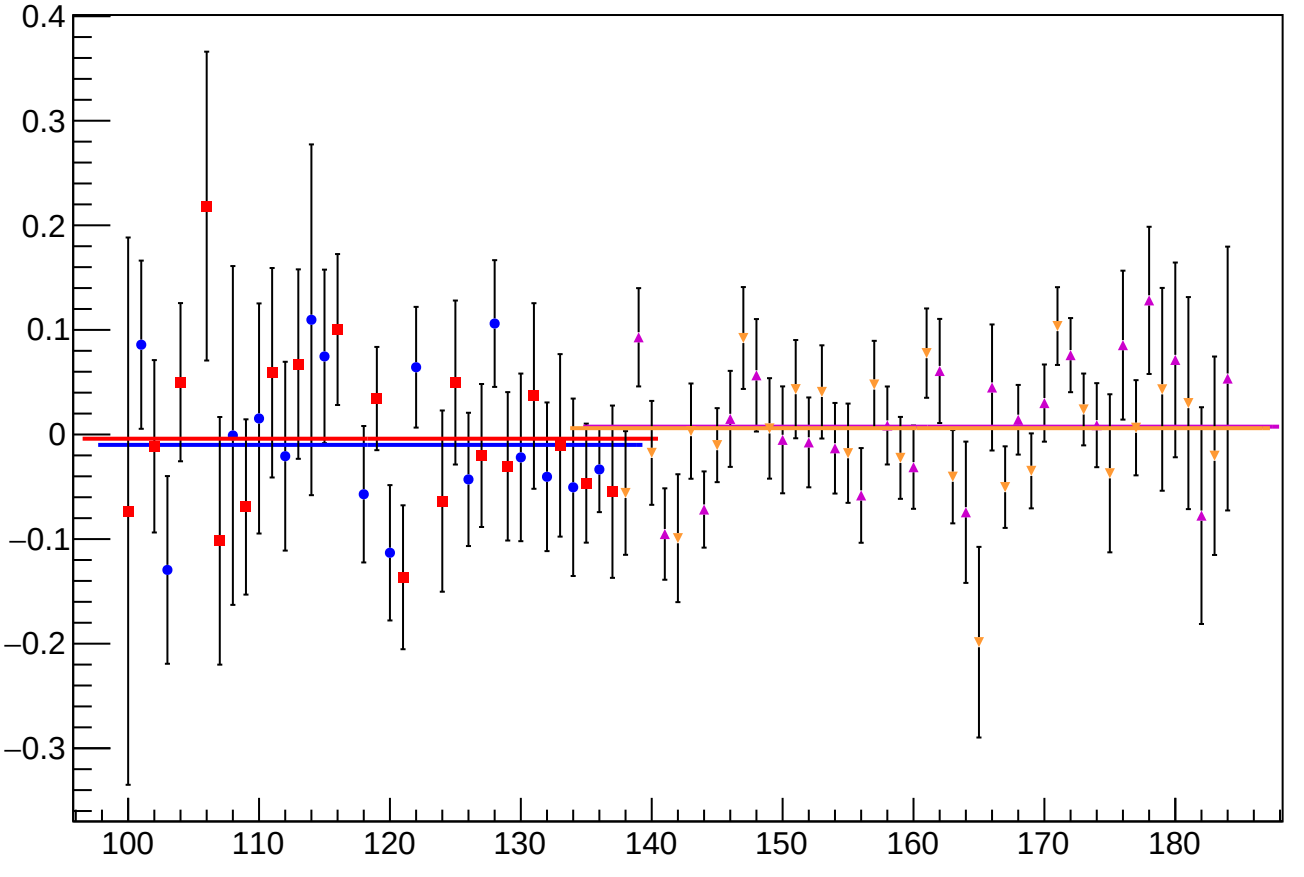
Left: 0.003+/-0.000 χ^2/NDF: 7725854.3/46

Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:6072657.7/38

Out: 0.003+/-0.000 χ^2/NDF:6585462.1/42

All: 0.003+/-0.000 χ^2/NDF: 12796439.1/81



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:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.2/46

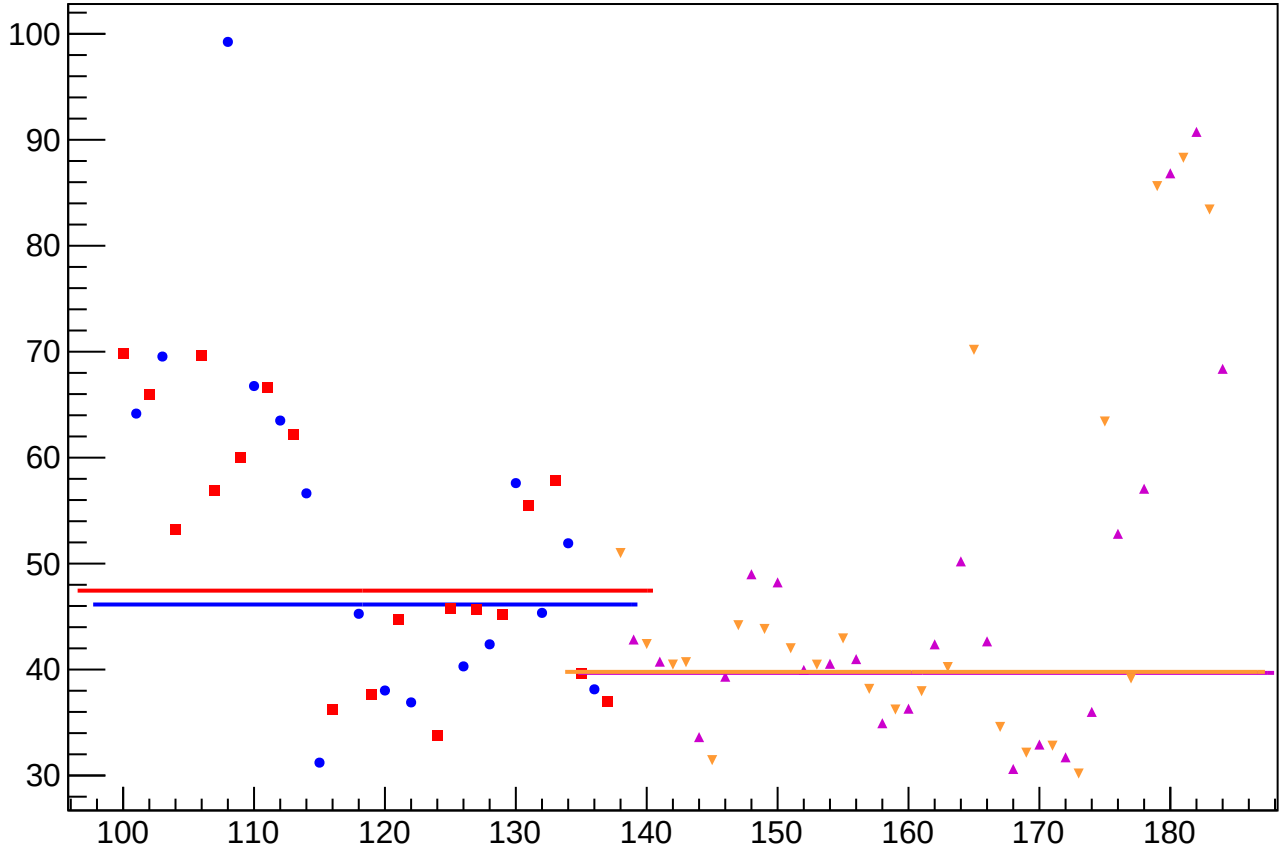
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.004+/-0.009 χ^2/NDF:45.4/38

Out: 0.004+/-0.008 χ^2/NDF:44.8/42

All: 0.004+/-0.006 χ^2/NDF: 90.2/81

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.782+/-0.007 χ^2/NDF:2356647.5/23

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

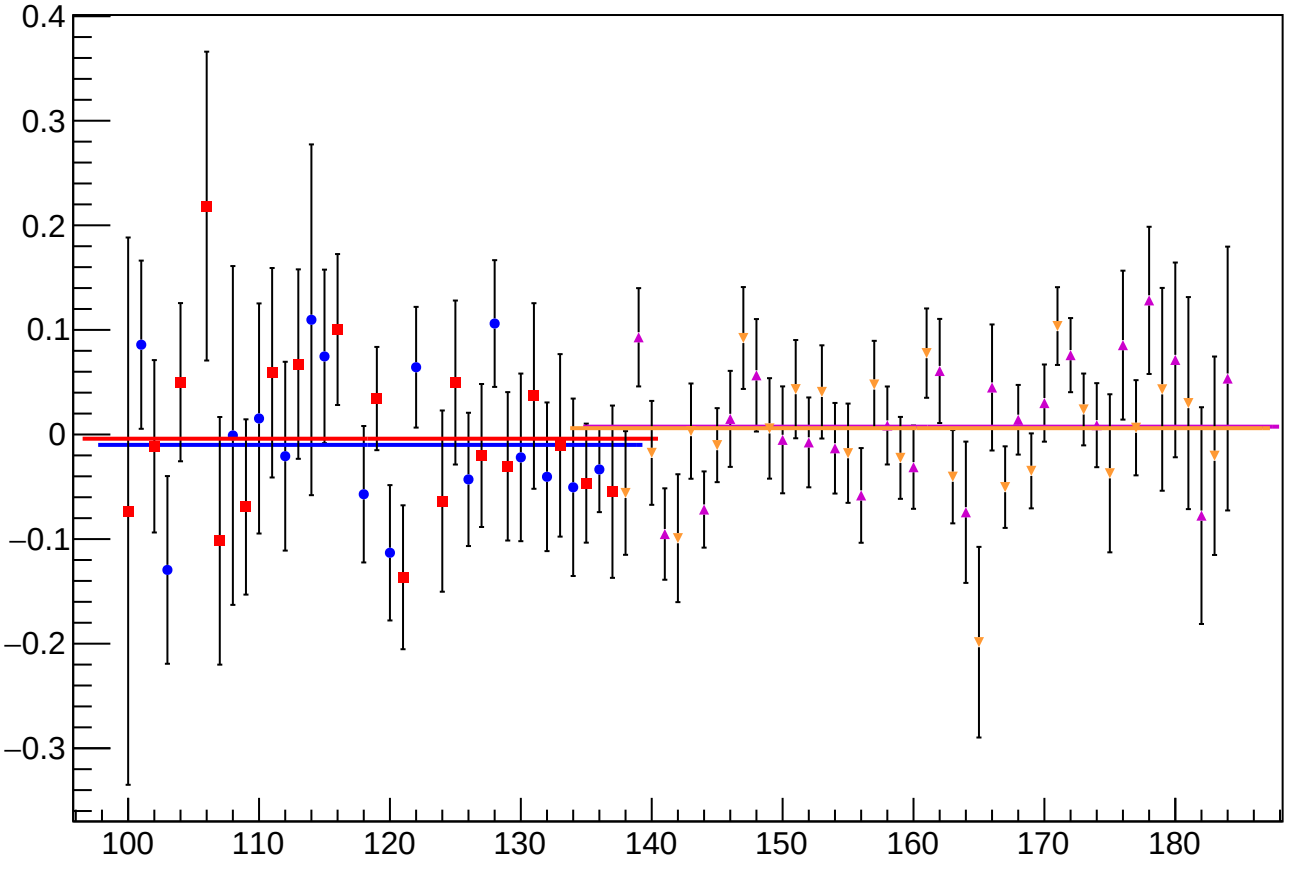
Left: 39.734+/-0.005 χ^2/NDF: 4272647.1/46

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 41.156+/-0.006 χ^2/NDF:3017874.7/38

Out: 41.463+/-0.006 χ^2/NDF:3291704.1/42

All: 41.312+/-0.004 χ^2/NDF: 6310874.1/81



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:30.4/22

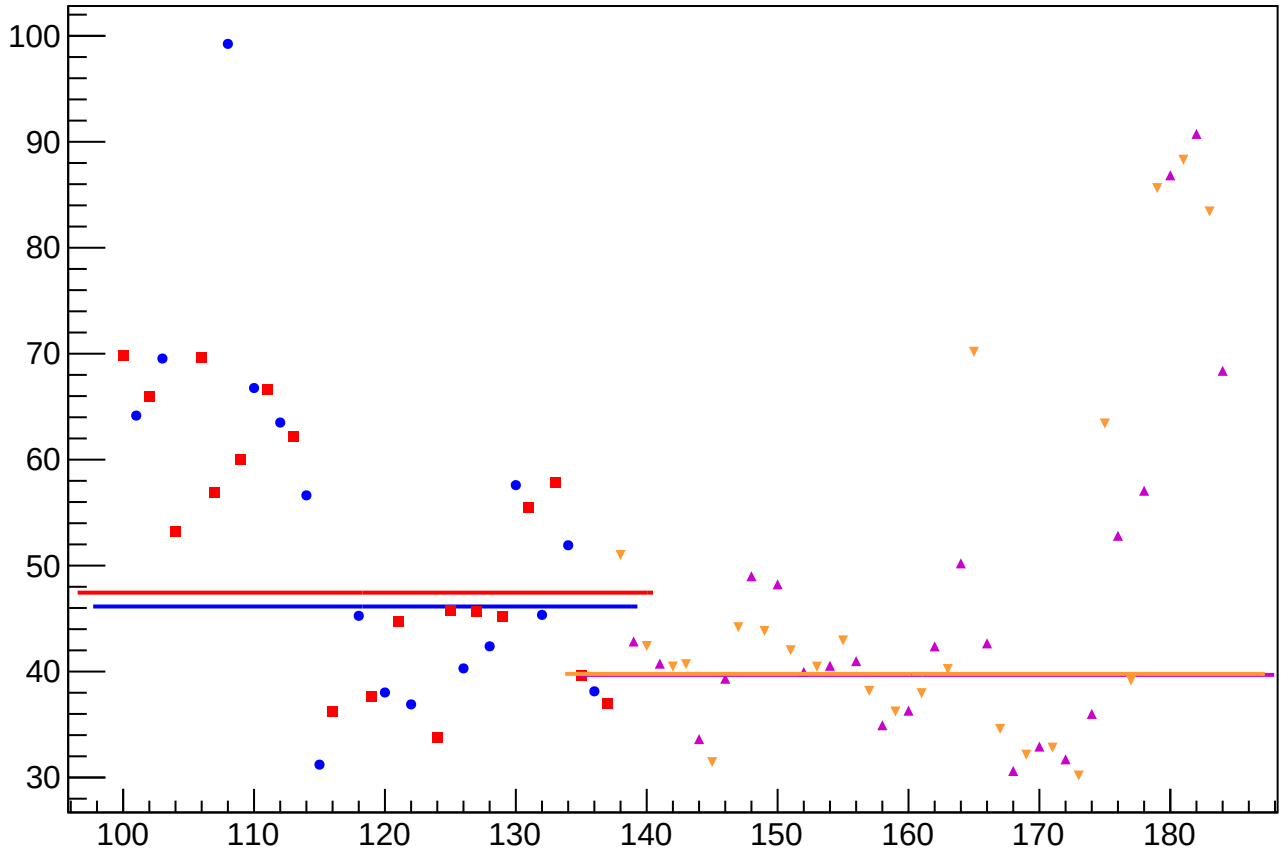
Left: 0.007+/-0.007 χ^2/NDF: 61.2/46

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.004+/-0.009 χ^2/NDF:45.4/38

Out: 0.004+/-0.008 χ^2/NDF:44.8/42

All: 0.004+/-0.006 χ^2/NDF: 90.2/81



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: 39.685+/-0.007 χ^2/NDF:1915901.2/22

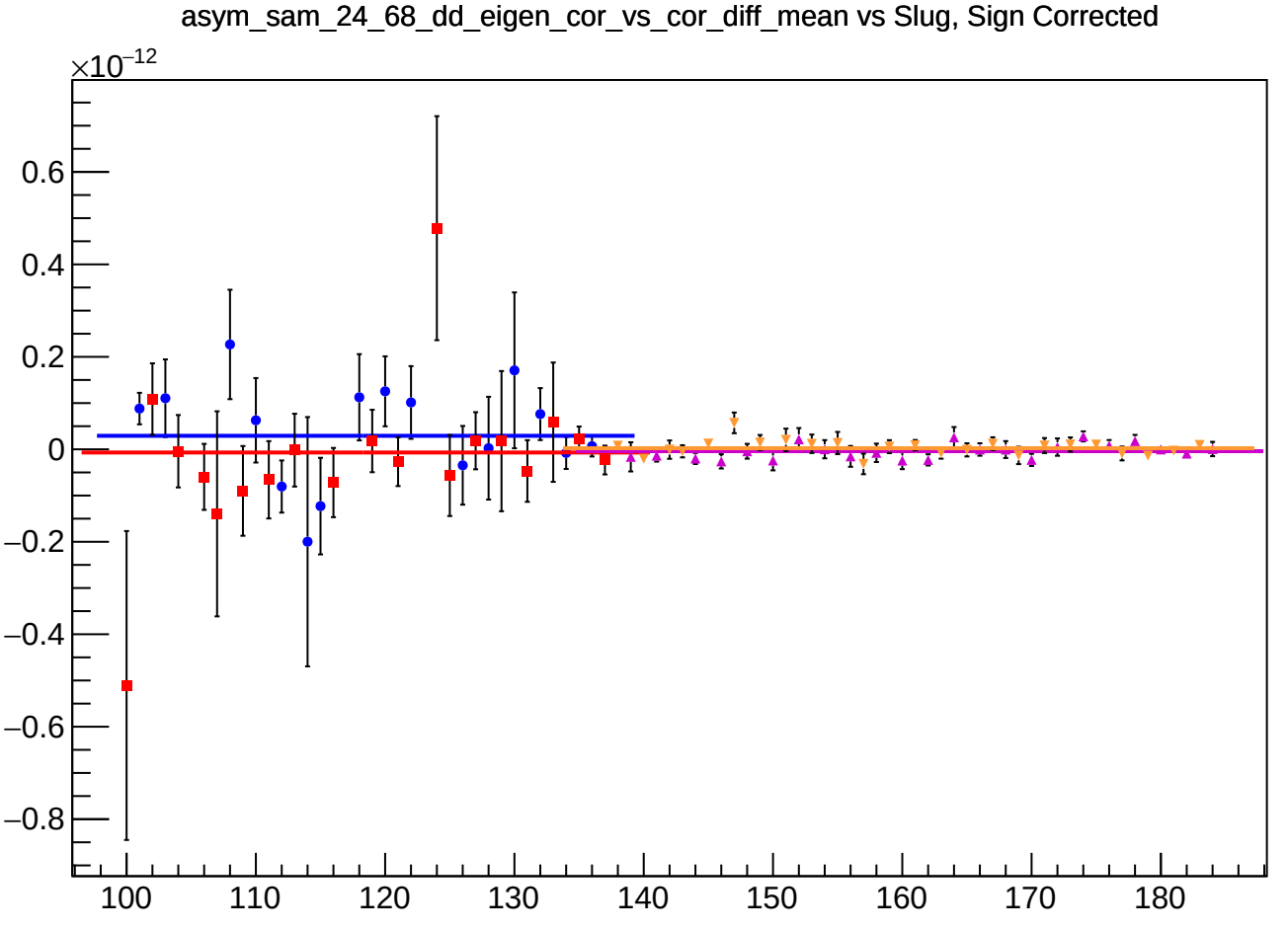
Left: 39.734+/-0.005 χ^2/NDF: 4272647.1/46

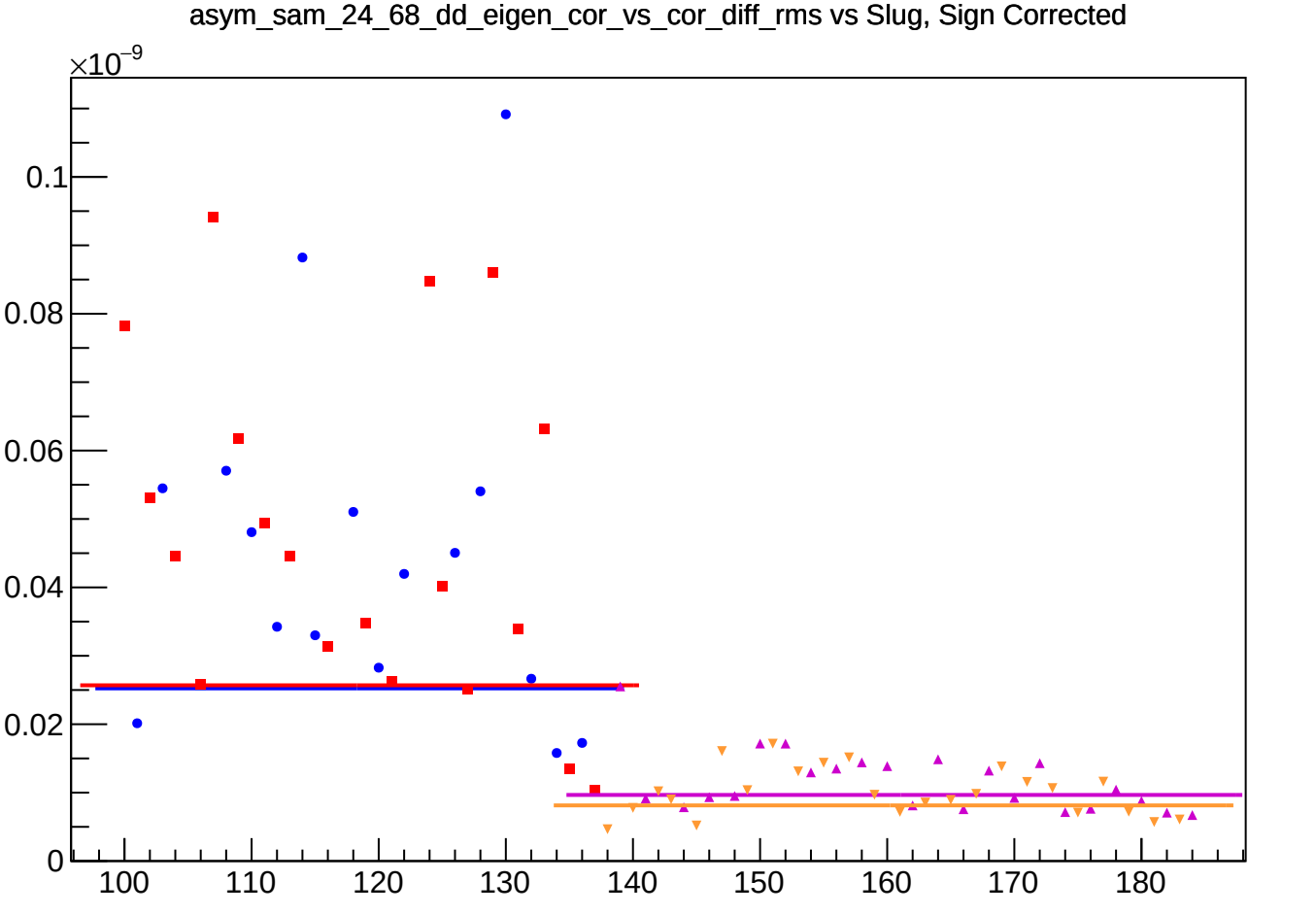
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 41.156+/-0.006 χ^2/NDF:3017874.7/38

Out: 41.463+/-0.006 χ^2/NDF:3291704.1/42

All: 41.312+/-0.004 χ^2/NDF: 6310874.1/81


asym_sam_24_68_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: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:23.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:27.5/22
Left: -0.000+/-0.000 χ²/NDF: 53.6/46
Right: 0.000+/-0.000 χ²/NDF: 38.5/34
In: -0.000+/-0.000 χ²/NDF:54.2/38
Out: 0.000+/-0.000 χ²/NDF:38.3/42
All: 0.000+/-0.000 χ²/NDF: 93.7/81



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:2106161.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4747664.4/46

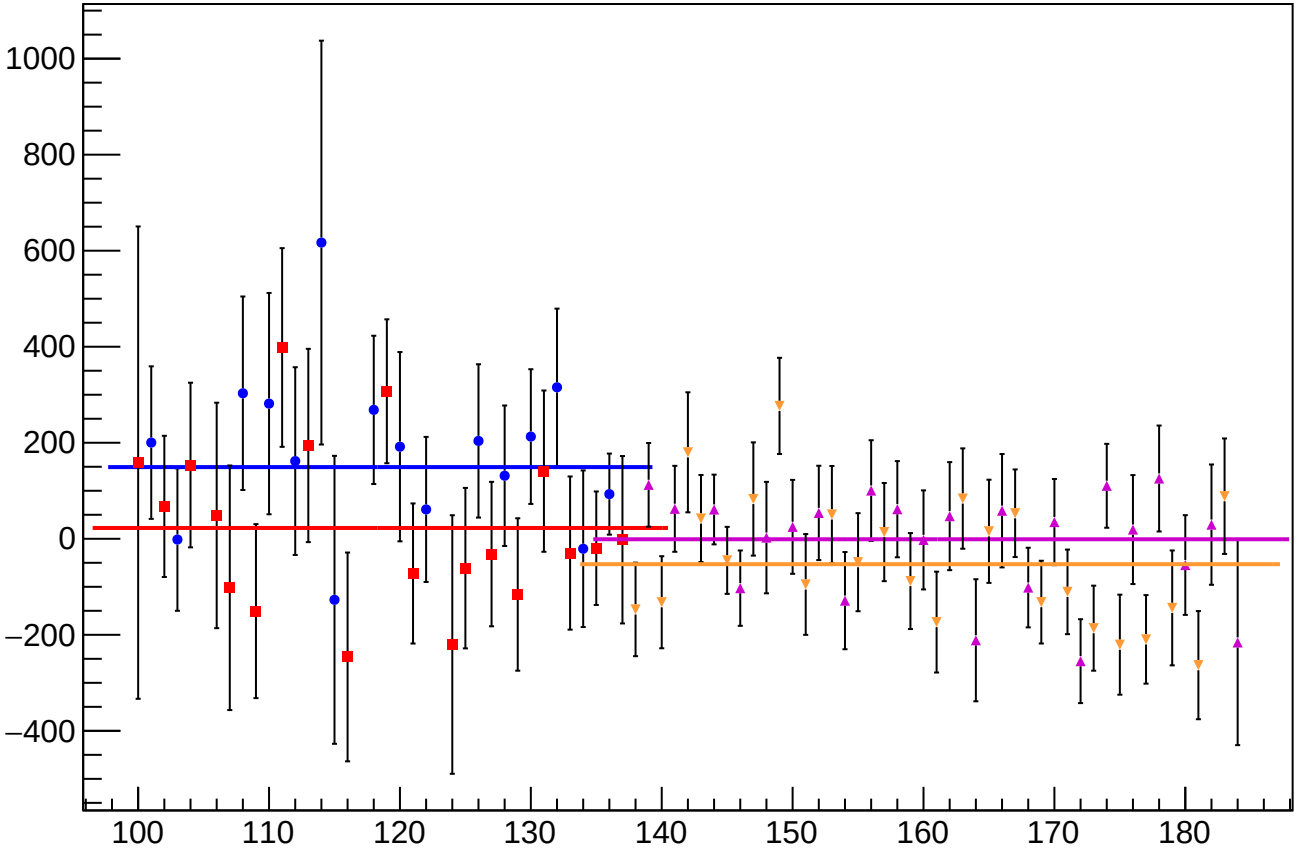
Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:6750893.5/38

Out: 0.000+/-0.000 χ^2/NDF:8045308.8/42

All: 0.000+/-0.000 χ^2/NDF: 15178590.2/81

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -52.902+/-20.140 χ^2/NDF:39.4/23

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

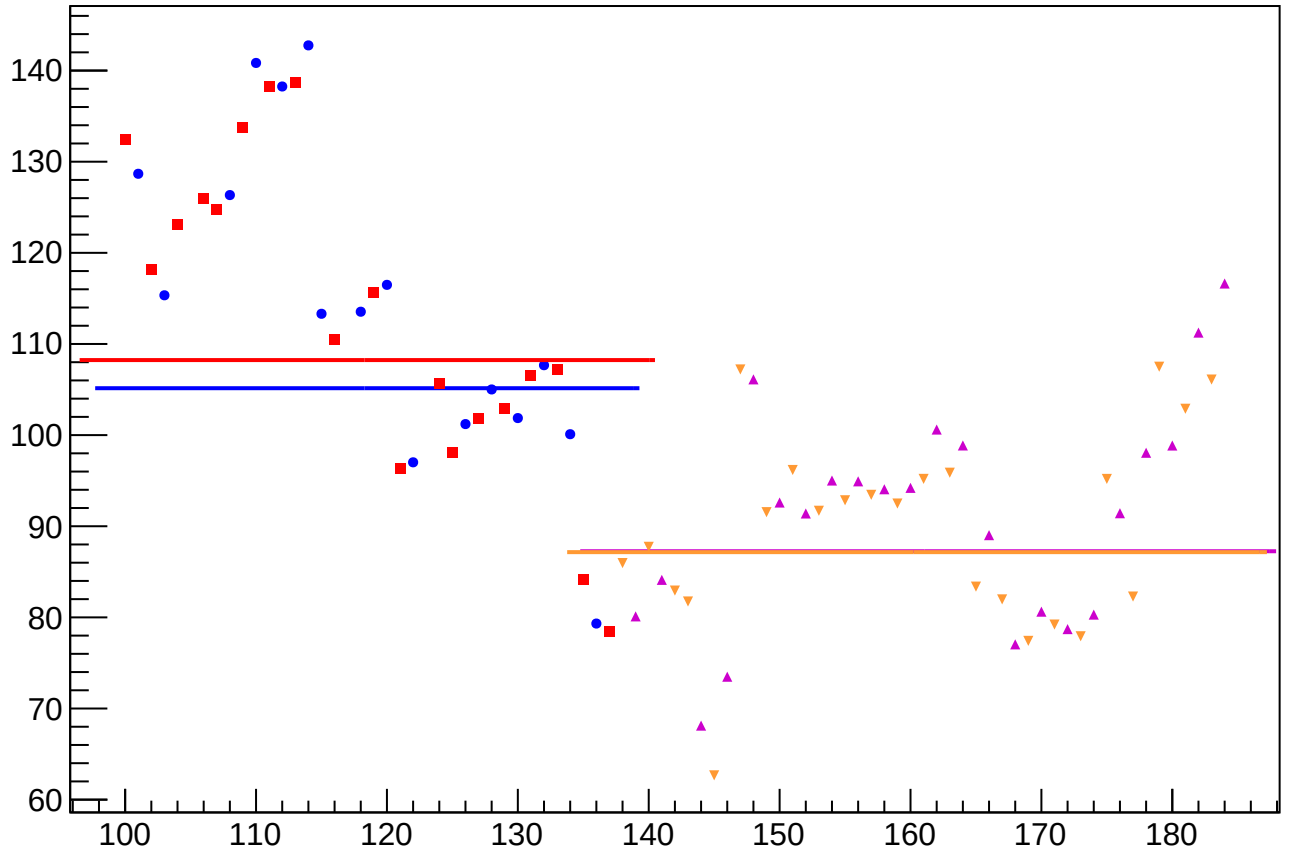
Left: -27.534+/-14.402 χ^2/NDF: 68.1/46

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 30.920+/-18.286 χ^2/NDF:44.8/38

Out: -37.703+/-17.998 χ^2/NDF:56.4/42

All: -3.937+/-12.827 χ^2/NDF: 108.4/81



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: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.206+/-0.010 χ^2/NDF: 1214070.7/46

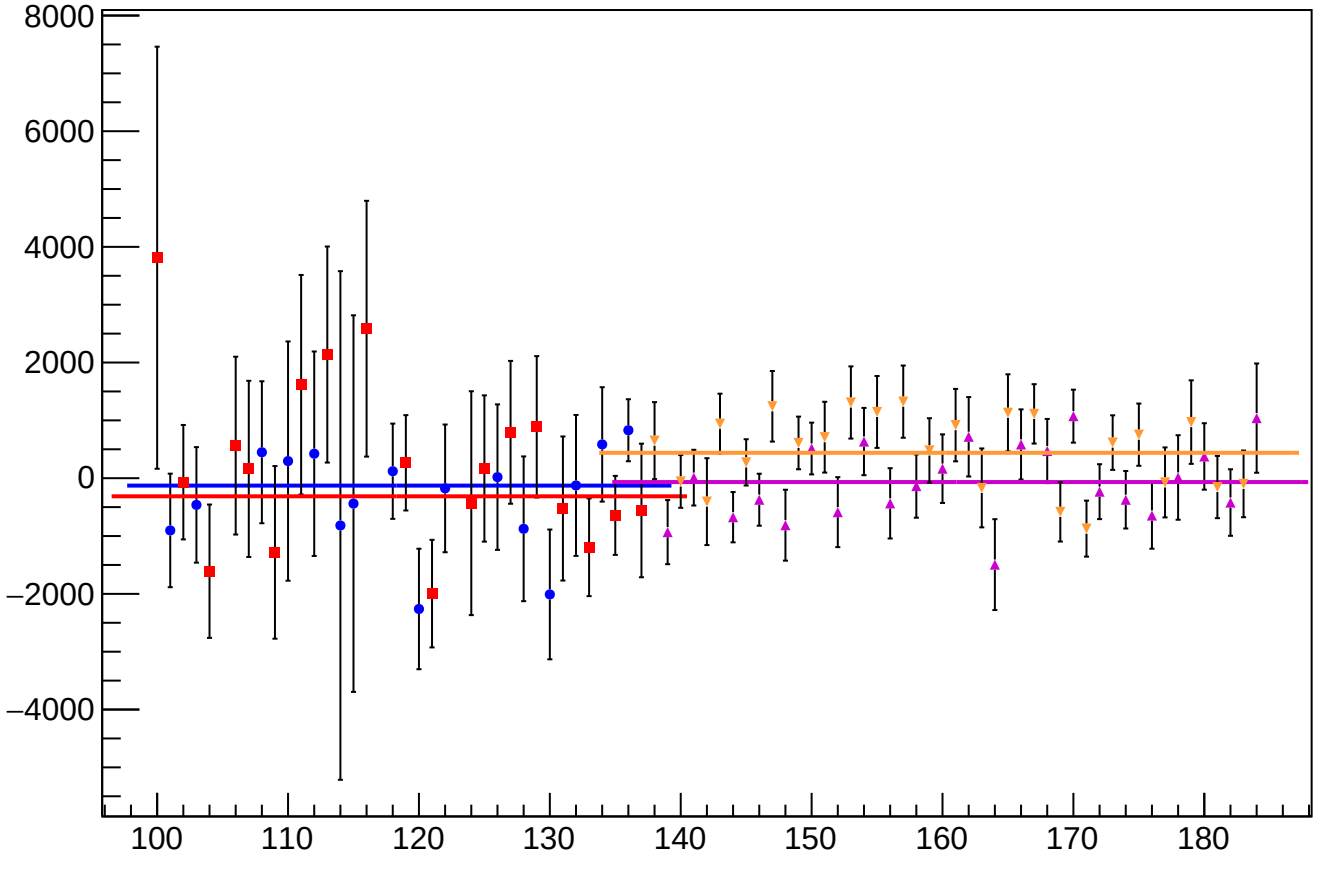
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 91.055+/-0.013 χ^2/NDF:1324307.6/38

Out: 91.403+/-0.013 χ^2/NDF:1409311.7/42

All: 91.232+/-0.009 χ^2/NDF: 2733989.1/81

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 439.162+/-113.387 χ^2/NDF:30.2/23

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

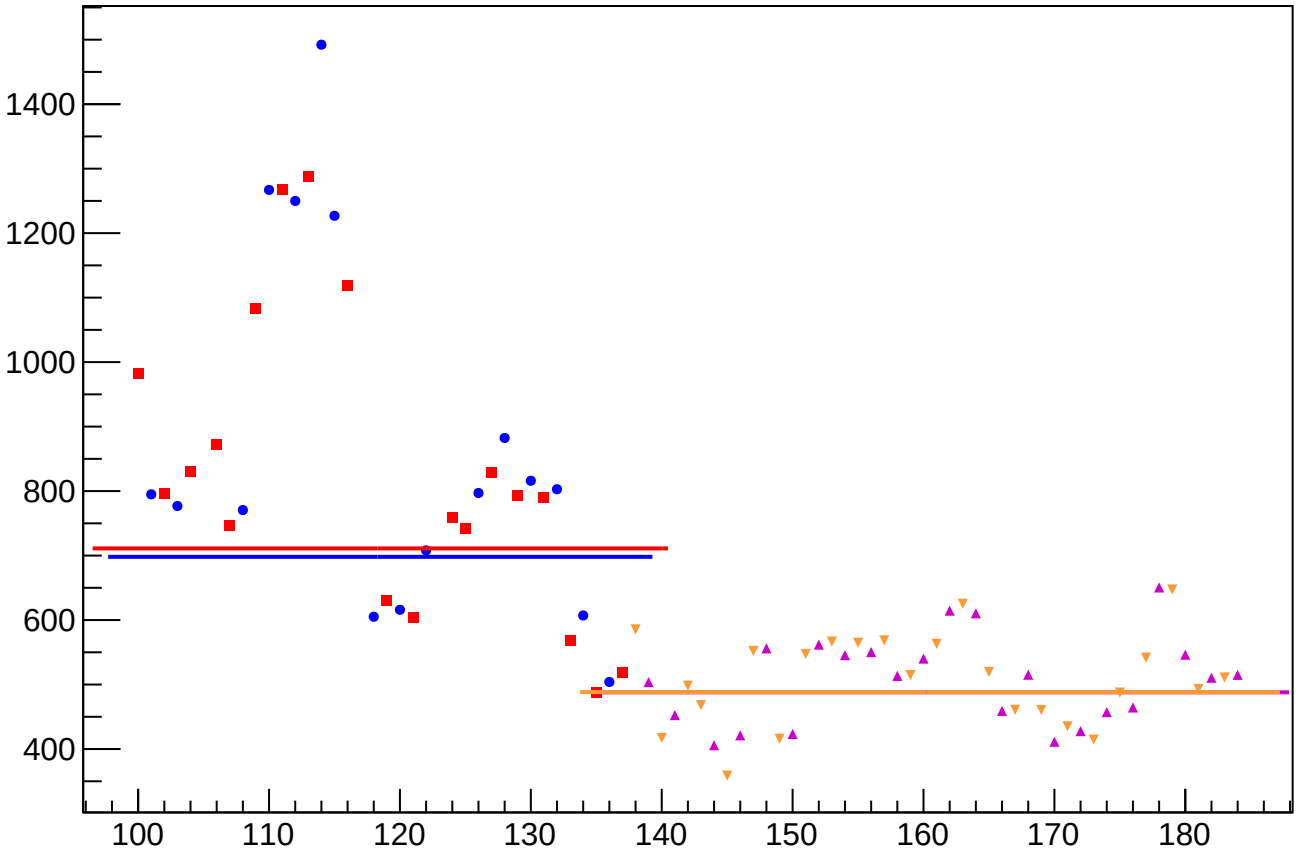
Left: 190.735+/-80.886 χ^2/NDF: 67.5/46

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -76.242+/-106.044 χ^2/NDF:39.9/38

Out: 326.486+/-104.550 χ^2/NDF:51.8/42

All: 127.978+/-74.451 χ^2/NDF: 99.0/81



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: 487.930+/-0.082 χ^2/NDF:634269.5/22

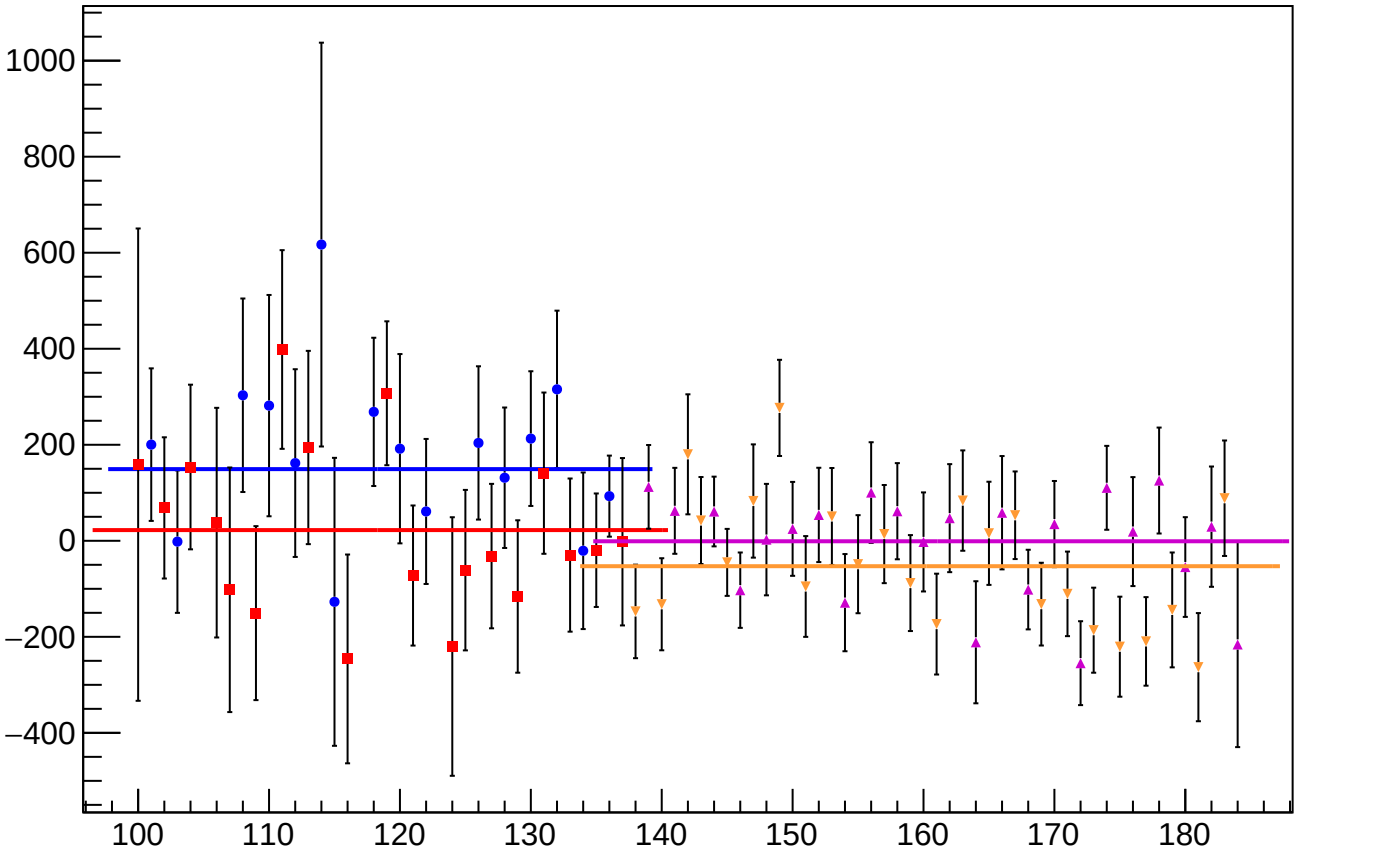
Left: 488.131+/-0.057 χ^2/NDF: 1442507.5/46

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 520.679+/-0.075 χ^2/NDF:2580241.9/38

Out: 521.694+/-0.074 χ^2/NDF:2999700.9/42

All: 521.194+/-0.053 χ^2/NDF: 5580035.5/81


cor_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
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0
−200
−400
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110
120
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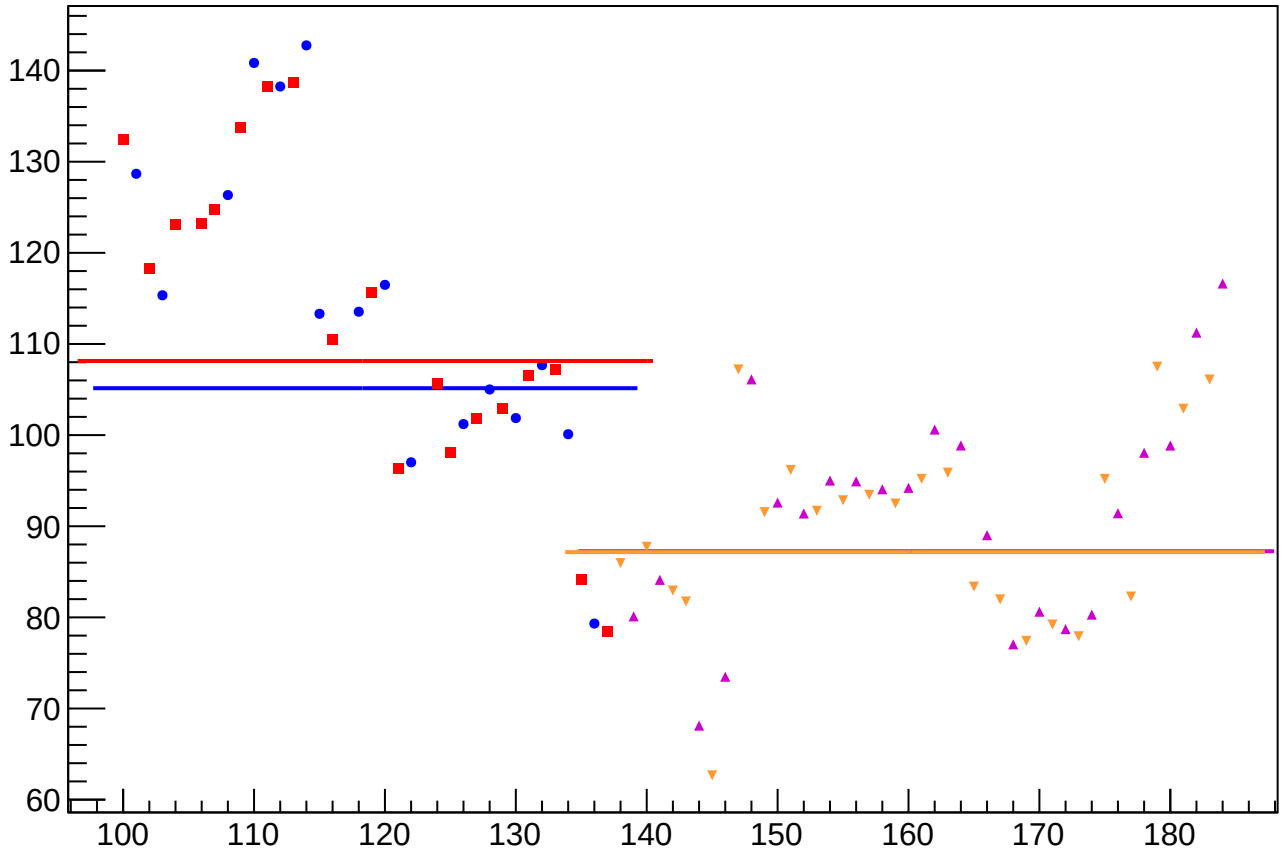
140
150
160
170
180
Right In: 149.294+/-39.687 χ²/NDF: 8.0/15
Left Out: -52.907+/-20.140 χ²/NDF:39.4/23
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: -0.988+/-20.604 χ²/NDF:25.5/22
Left: -27.538+/-14.402 χ²/NDF: 68.1/46
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 30.917+/-18.286 χ²/NDF:44.8/38
Out: -37.772+/-18.000 χ²/NDF:56.4/42
All: -3.970+/-12.828 χ²/NDF: 108.4/81



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: 87.257+/-0.015 χ^2/NDF:595793.1/22

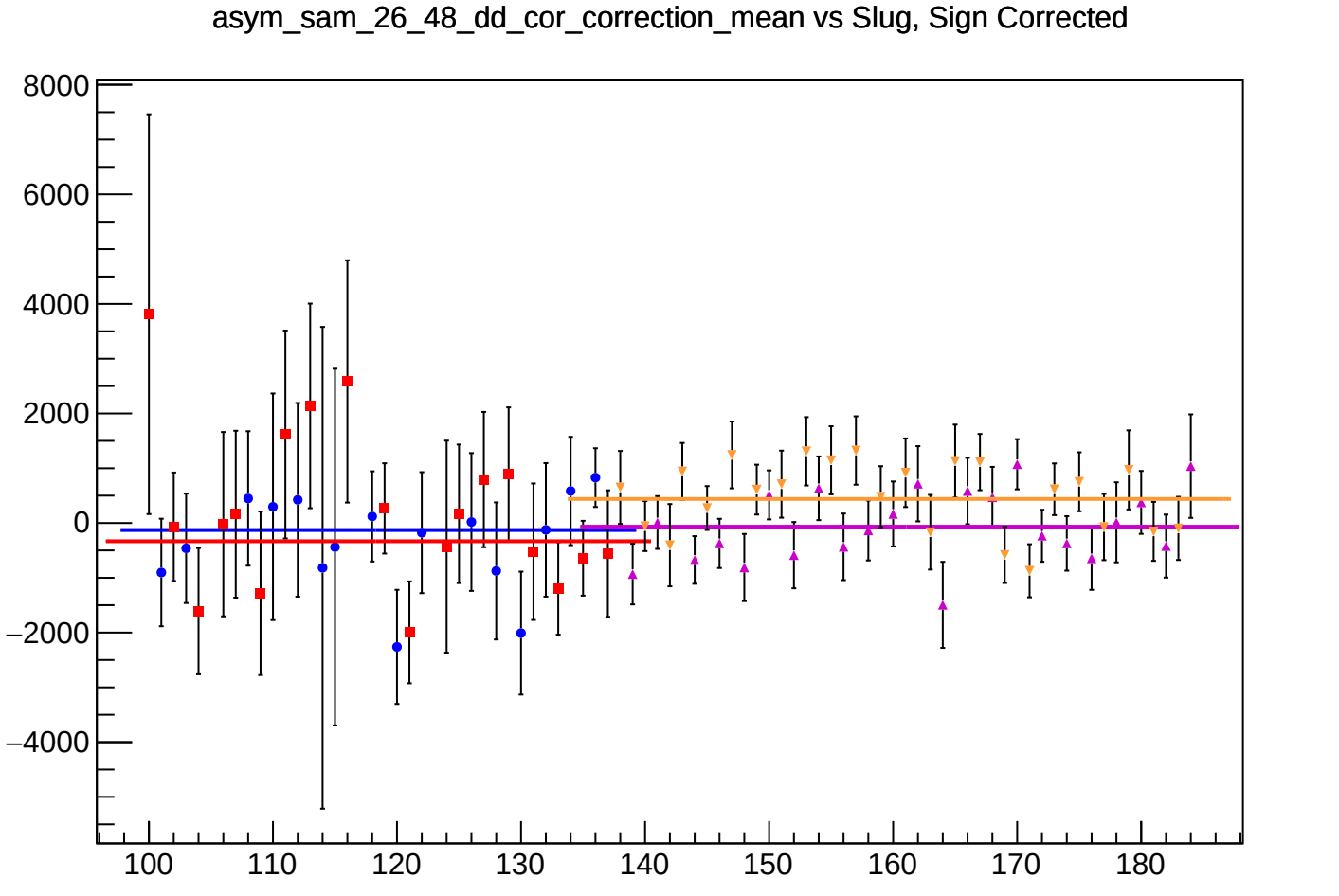
Left: 87.206+/-0.010 χ^2/NDF: 1214070.8/46

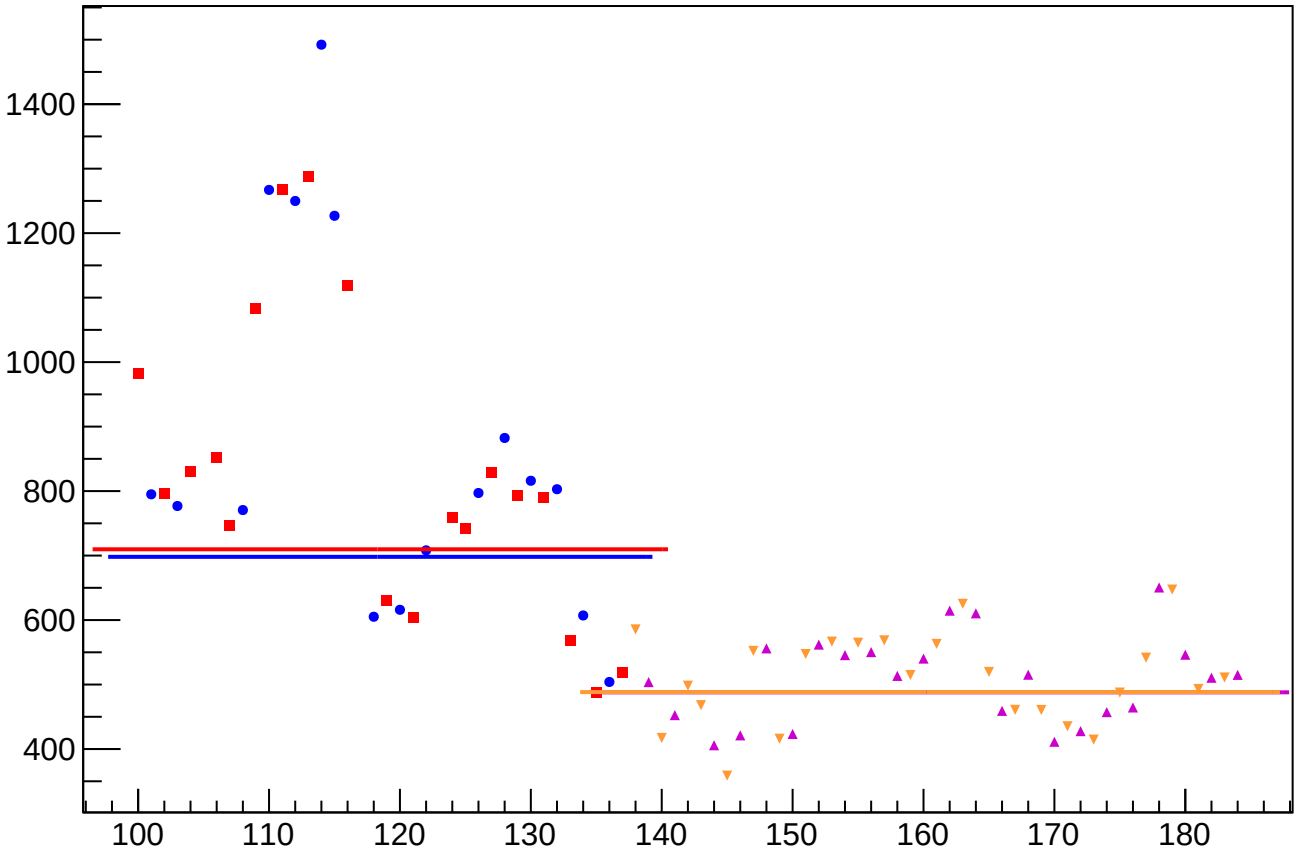
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.055+/-0.013 χ^2/NDF:1324307.9/38

Out: 91.380+/-0.013 χ^2/NDF:1401287.4/42

All: 91.220+/-0.009 χ^2/NDF: 2725917.7/81


asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: -128.047+/-268.611 χ²/NDF: 12.3/15
Left Out: 439.157+/-113.387 χ²/NDF:30.2/23
Right Out: -332.665+/-270.835 χ²/NDF: 14.7/18
Left In: -66.674+/-115.419 χ²/NDF:27.5/22
Left: 190.733+/-80.886 χ²/NDF: 67.5/46
Right: -229.512+/-190.718 χ²/NDF: 27.3/34
In: -76.239+/-106.044 χ²/NDF:39.9/38
Out: 324.051+/-104.591 χ²/NDF:51.9/42
All: 126.667+/-74.465 χ²/NDF: 98.9/81



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: 487.930+/-0.082 χ^2/NDF:634273.3/22

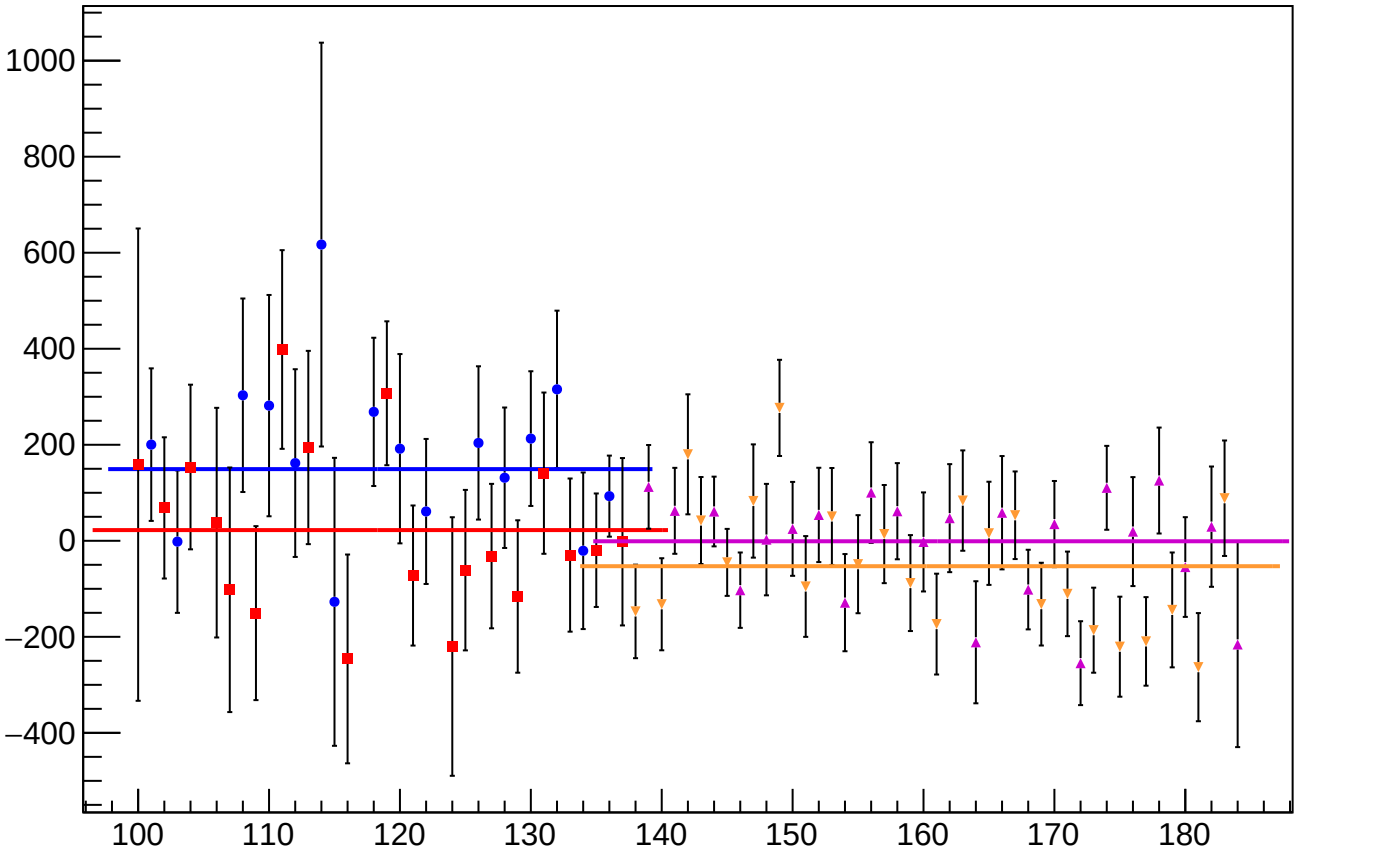
Left: 488.131+/-0.057 χ^2/NDF: 1442508.1/46

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 520.679+/-0.075 χ^2/NDF:2580259.0/38

Out: 521.346+/-0.074 χ^2/NDF:2972779.1/42

All: 521.018+/-0.053 χ^2/NDF: 5553078.2/81


eigen_cor_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
800
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200
0
−200
−400
100
110
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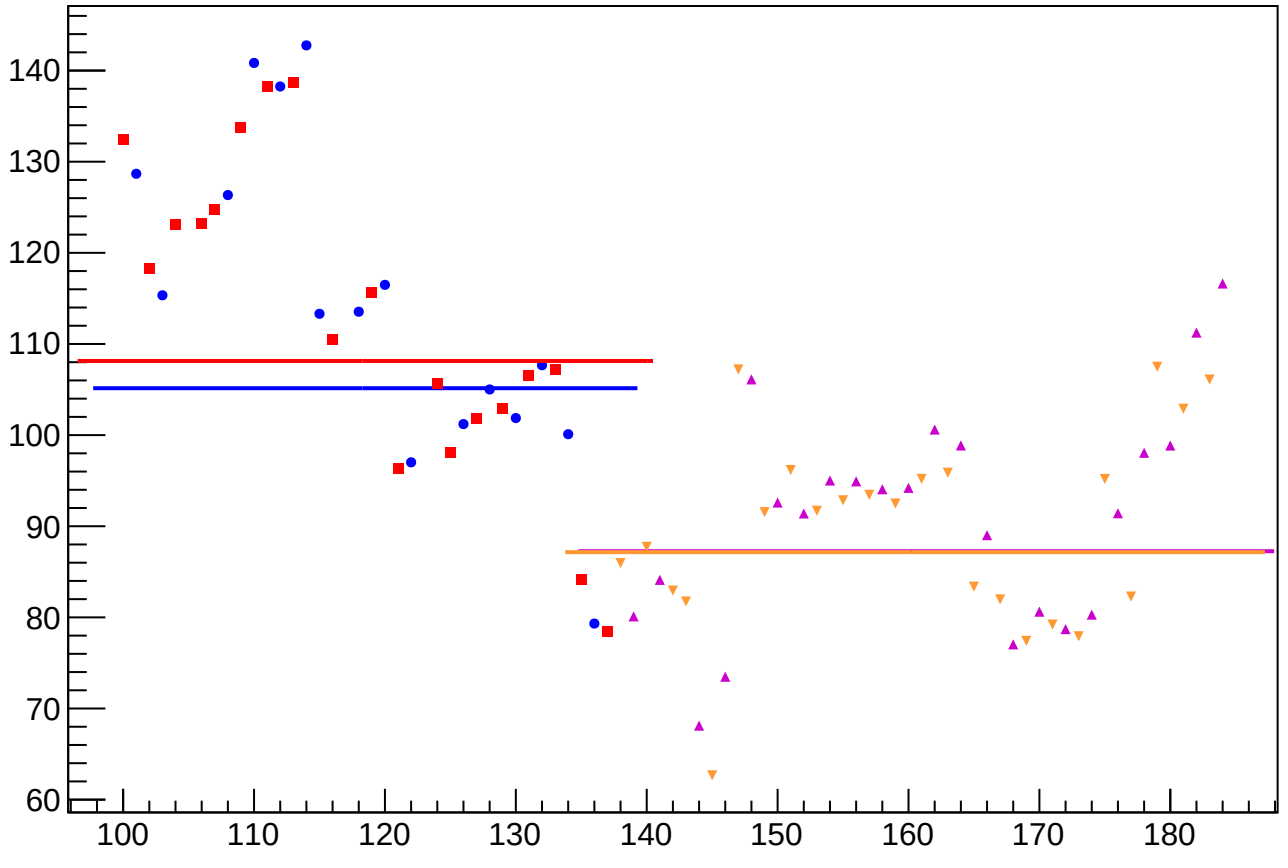
130
140
150
160
170
180
Right In: 149.294+/-39.687 χ²/NDF: 8.0/15
Left Out: -52.907+/-20.140 χ²/NDF:39.4/23
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: -0.988+/-20.604 χ²/NDF:25.5/22
Left: -27.538+/-14.402 χ²/NDF: 68.1/46
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 30.917+/-18.286 χ²/NDF:44.8/38
Out: -37.772+/-18.000 χ²/NDF:56.4/42
All: -3.970+/-12.828 χ²/NDF: 108.4/81



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: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.206+/-0.010 χ^2/NDF: 1214070.8/46

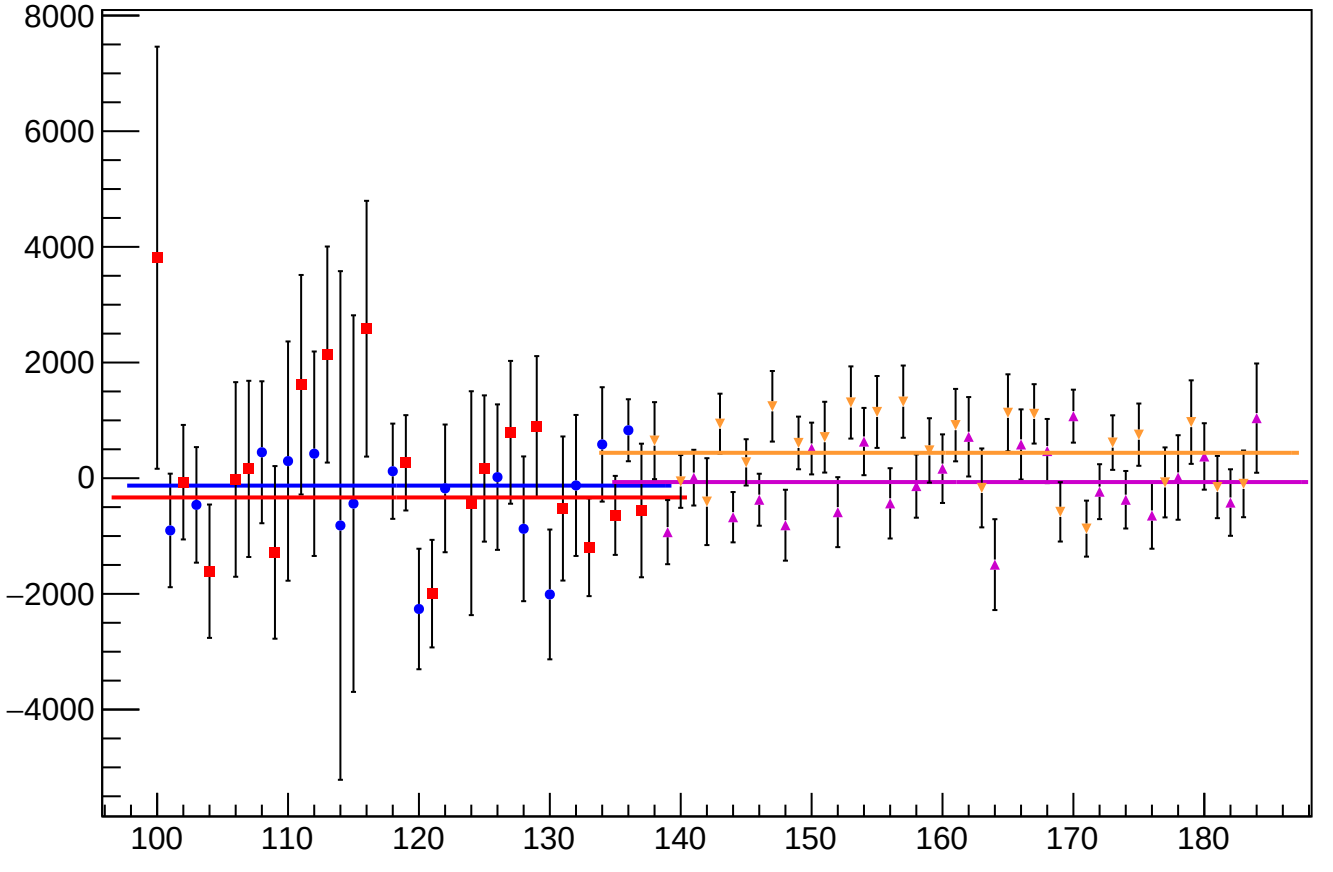
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.055+/-0.013 χ^2/NDF:1324307.9/38

Out: 91.380+/-0.013 χ^2/NDF:1401287.4/42

All: 91.220+/-0.009 χ^2/NDF: 2725917.7/81

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: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 190.733+/-80.886 χ^2/NDF: 67.5/46

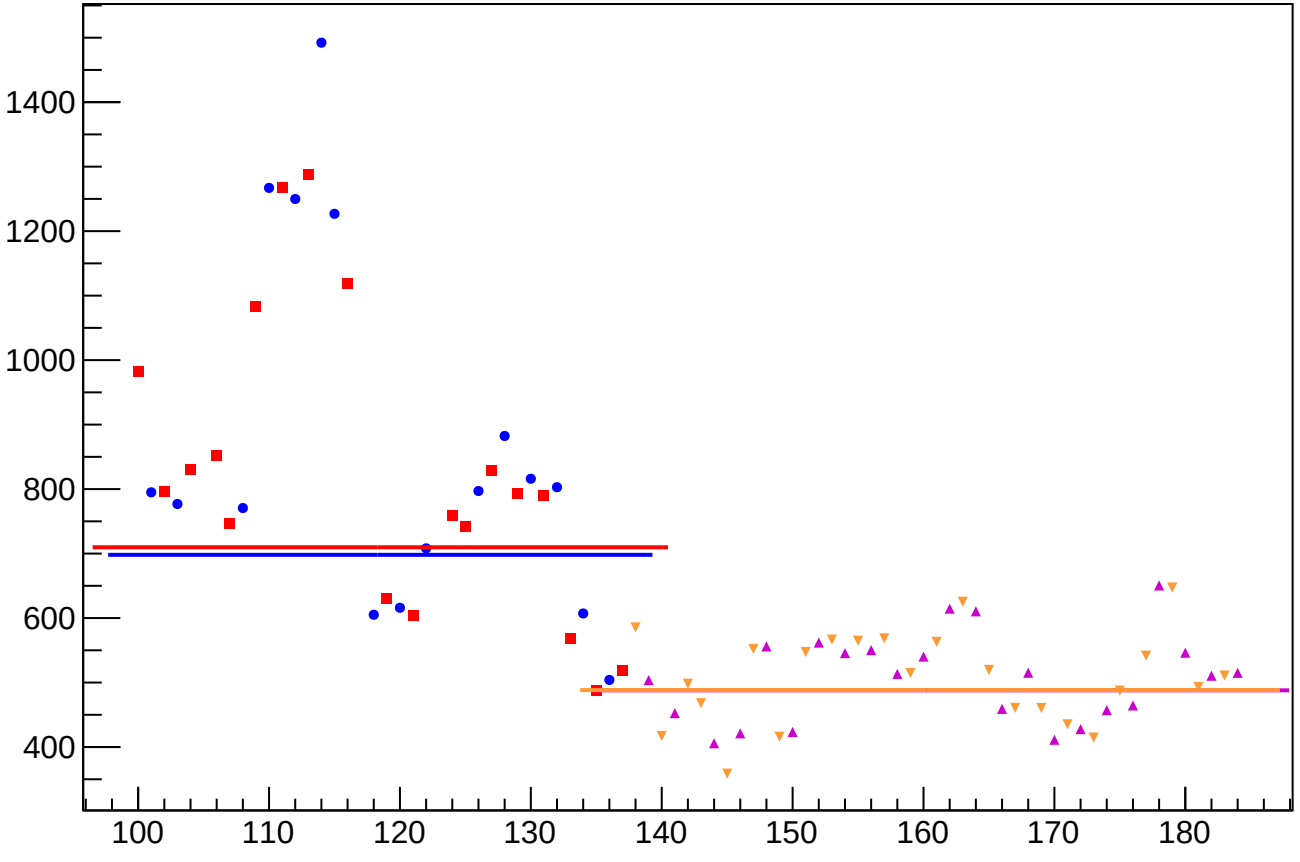
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -76.239+/-106.044 χ^2/NDF:39.9/38

Out: 324.051+/-104.591 χ^2/NDF:51.9/42

All: 126.667+/-74.465 χ^2/NDF: 98.9/81

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: 487.930+/-0.082 χ^2/NDF:634273.3/22

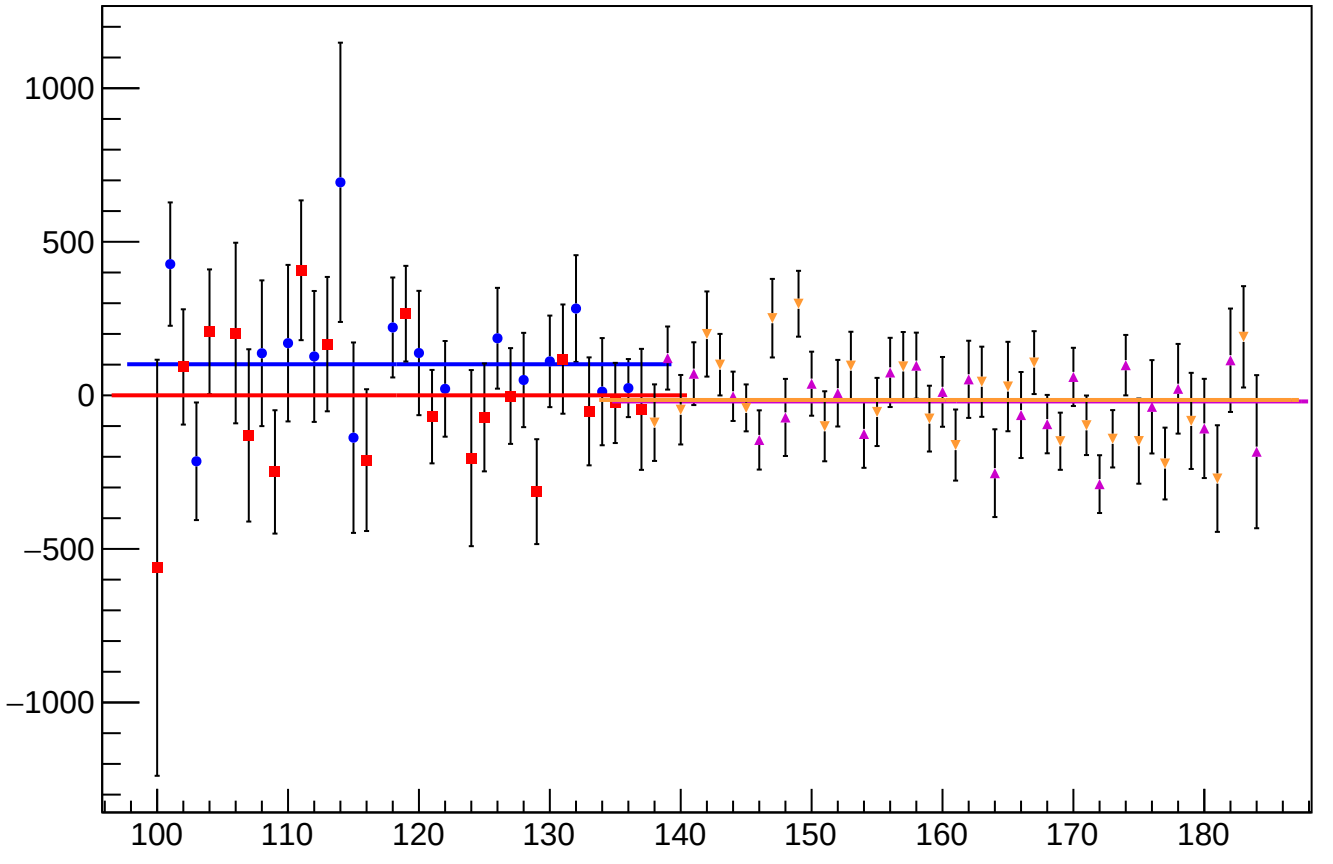
Left: 488.131+/-0.057 χ^2/NDF: 1442508.1/46

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 520.679+/-0.075 χ^2/NDF:2580259.0/38

Out: 521.346+/-0.074 χ^2/NDF:2972779.1/42

All: 521.018+/-0.053 χ^2/NDF: 5553078.2/81



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: -19.805+/-23.571 χ^2/NDF:23.3/22

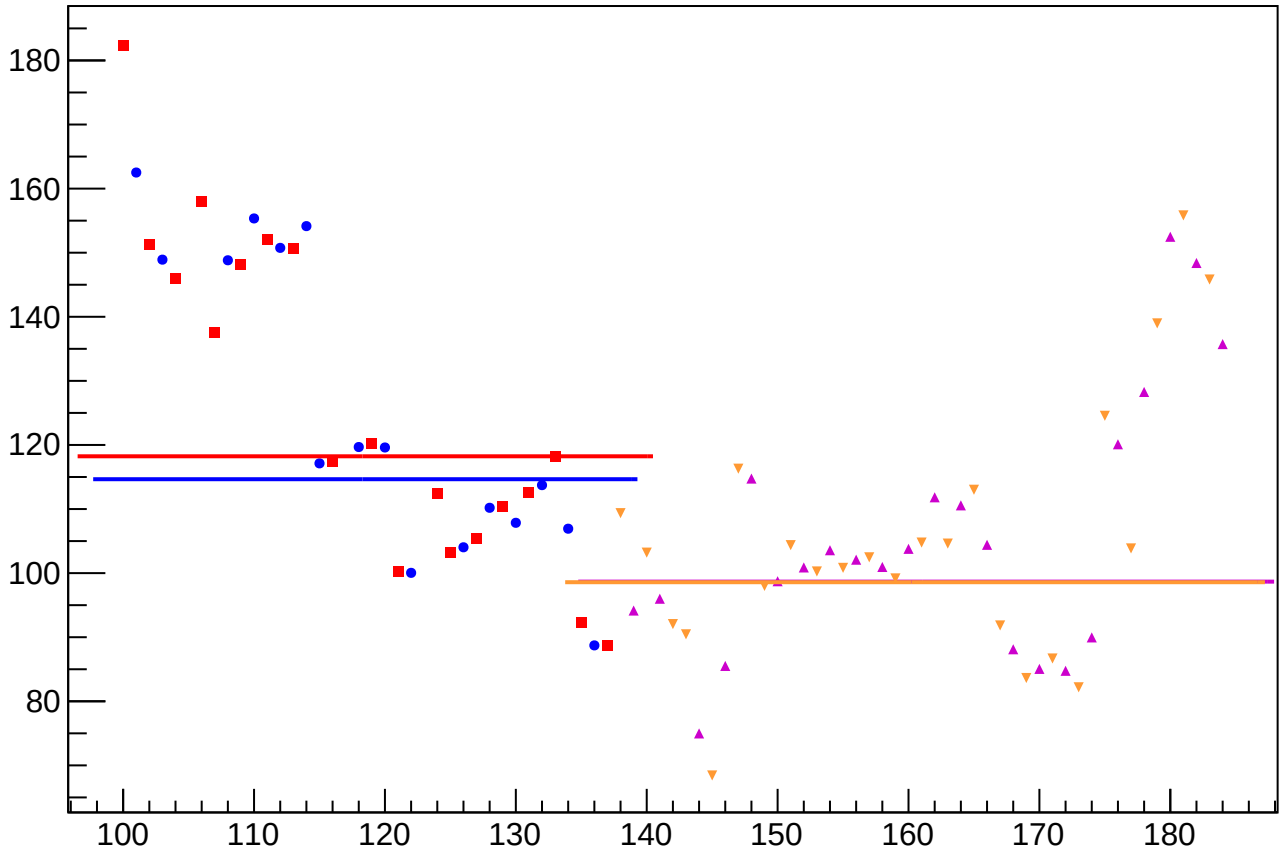
Left: -17.363+/-16.470 χ^2/NDF: 59.5/46

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 7.669+/-20.725 χ^2/NDF:40.3/38

Out: -11.780+/-20.402 χ^2/NDF:52.8/42

All: -2.209+/-14.539 χ^2/NDF: 93.6/81



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: 98.673+/-0.017 χ^2/NDF:987817.0/22

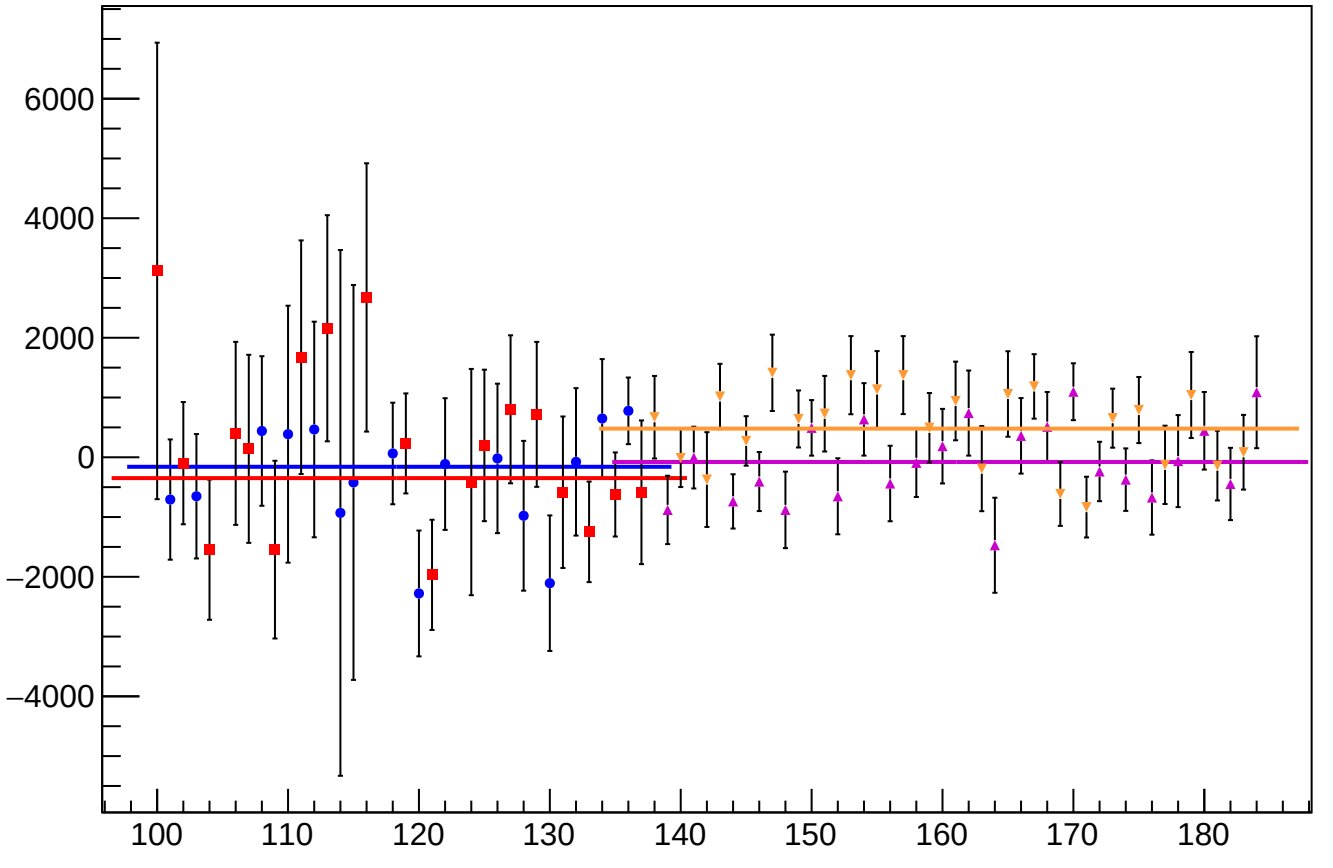
Left: 98.627+/-0.012 χ^2/NDF: 2154368.2/46

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 102.299+/-0.015 χ^2/NDF:1728408.2/38

Out: 102.800+/-0.014 χ^2/NDF:1962635.1/42

All: 102.554+/-0.010 χ^2/NDF: 3691637.6/81



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: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 206.073+/-84.973 χ^2/NDF: 65.7/46

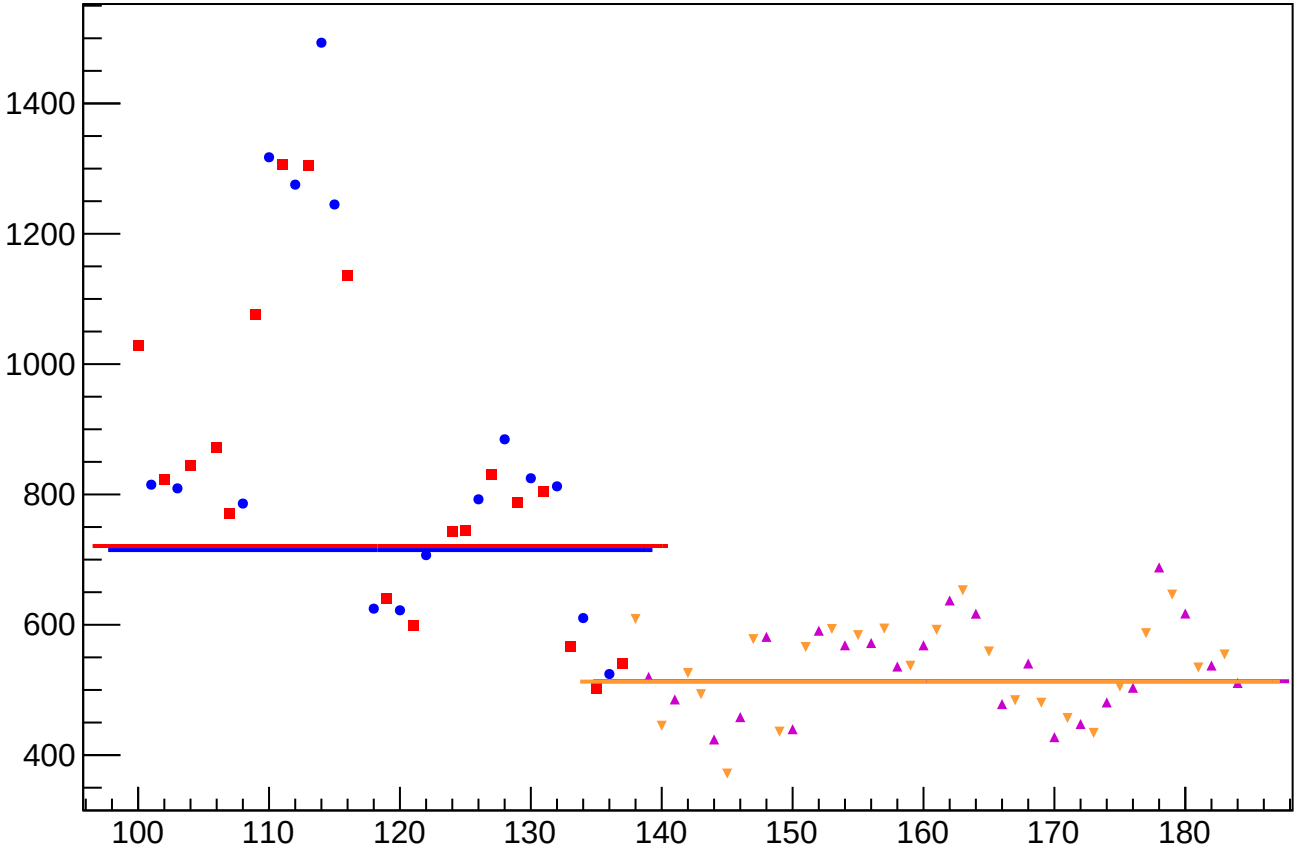
Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -91.933+/-111.058 χ^2/NDF:38.3/38

Out: 347.757+/-109.080 χ^2/NDF:50.7/42

All: 131.864+/-77.821 χ^2/NDF: 97.0/81

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: 513.375+/-0.086 χ^2/NDF:634000.2/22

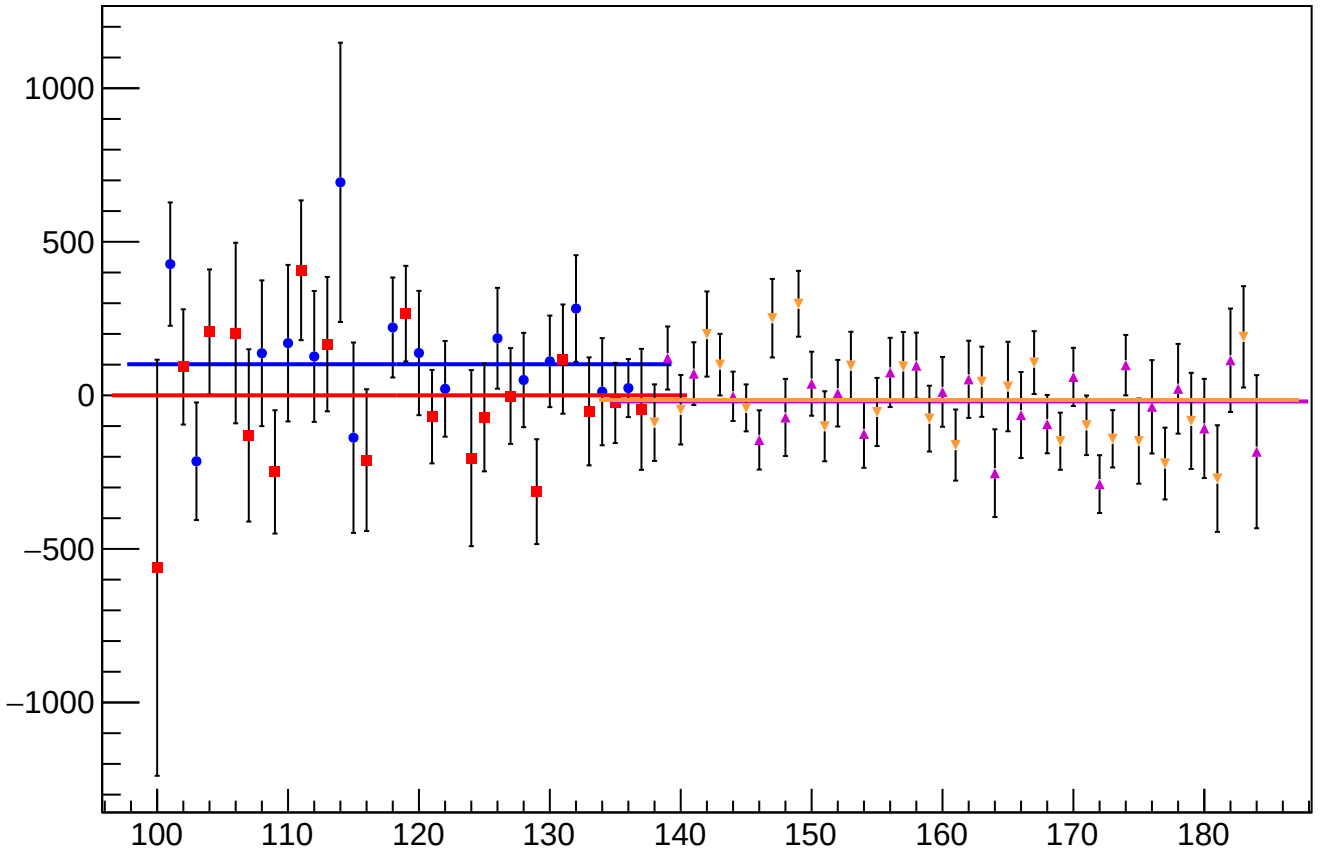
Left: 513.087+/-0.060 χ^2/NDF: 1433243.6/46

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 546.310+/-0.079 χ^2/NDF:2409338.6/38

Out: 545.885+/-0.077 χ^2/NDF:2790558.4/42

All: 546.093+/-0.055 χ^2/NDF: 5199911.9/81



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: -19.805+/-23.571 χ^2/NDF:23.3/22

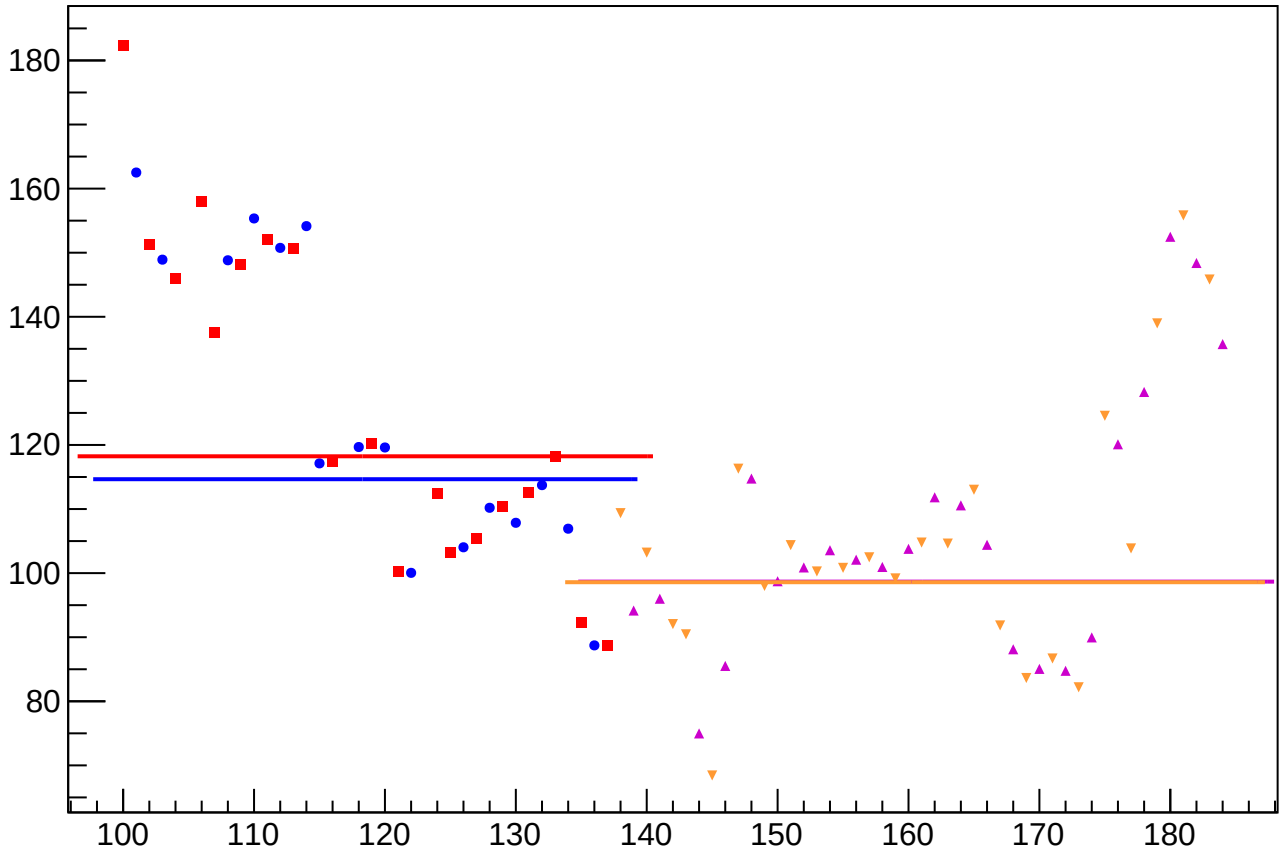
Left: -17.365+/-16.470 χ^2/NDF: 59.5/46

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 7.668+/-20.725 χ^2/NDF:40.3/38

Out: -11.782+/-20.402 χ^2/NDF:52.8/42

All: -2.210+/-14.539 χ^2/NDF: 93.6/81



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: 98.673+/-0.017 χ^2/NDF:987808.4/22

Left: 98.627+/-0.012 χ^2/NDF: 2154364.7/46

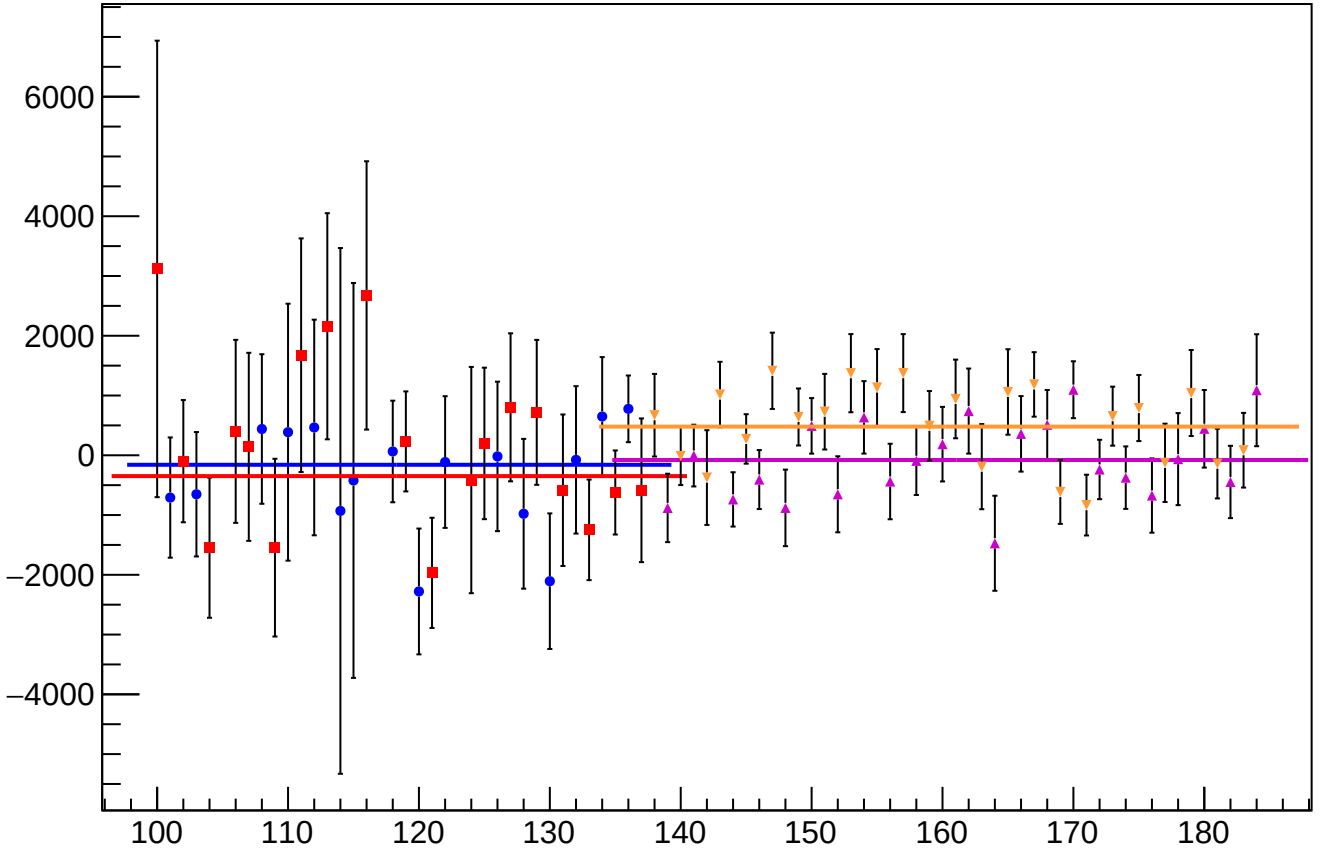
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 102.299+/-0.015 χ^2/NDF:1728390.5/38

Out: 102.800+/-0.014 χ^2/NDF:1962635.1/42

All: 102.554+/-0.010 χ^2/NDF: 3691619.8/81

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: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 206.072+/-84.973 χ^2/NDF: 65.7/46

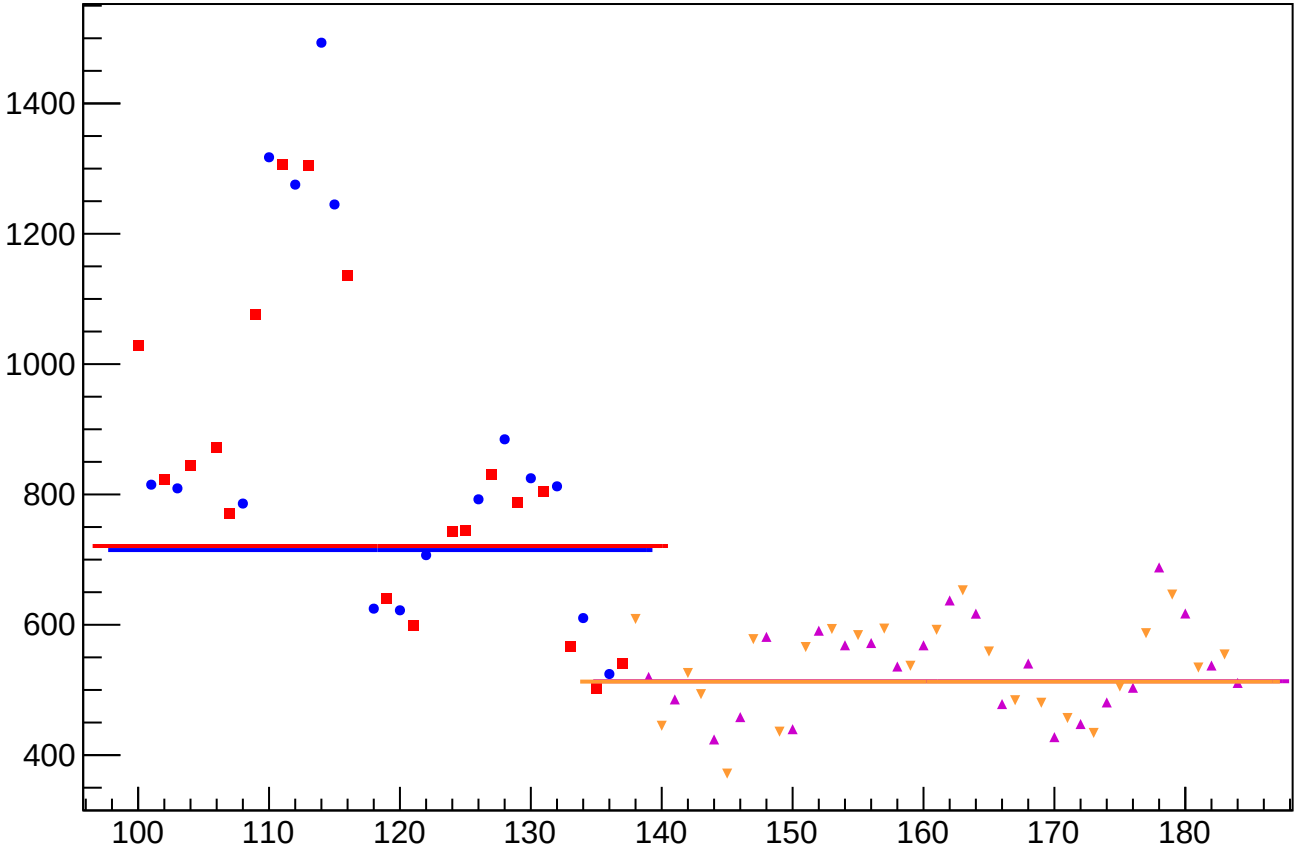
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -91.933+/-111.058 χ^2/NDF:38.3/38

Out: 347.755+/-109.080 χ^2/NDF:50.7/42

All: 131.863+/-77.821 χ^2/NDF: 97.0/81

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: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.087+/-0.060 χ^2/NDF: 1433240.8/46

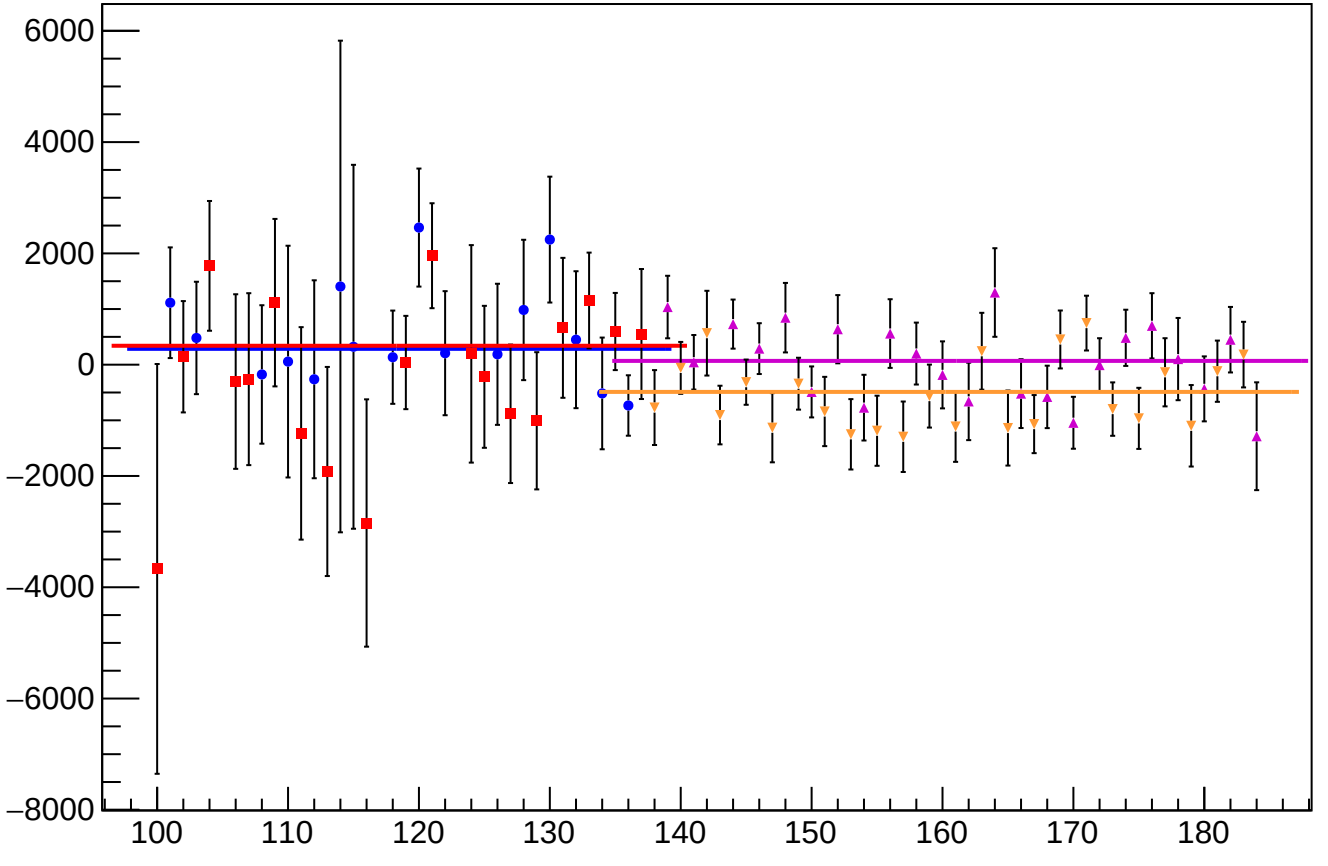
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 546.310+/-0.079 χ^2/NDF:2409332.7/38

Out: 545.884+/-0.077 χ^2/NDF:2790552.4/42

All: 546.093+/-0.055 χ^2/NDF: 5199900.0/81

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: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -215.515+/-82.249 χ^2/NDF: 67.4/46

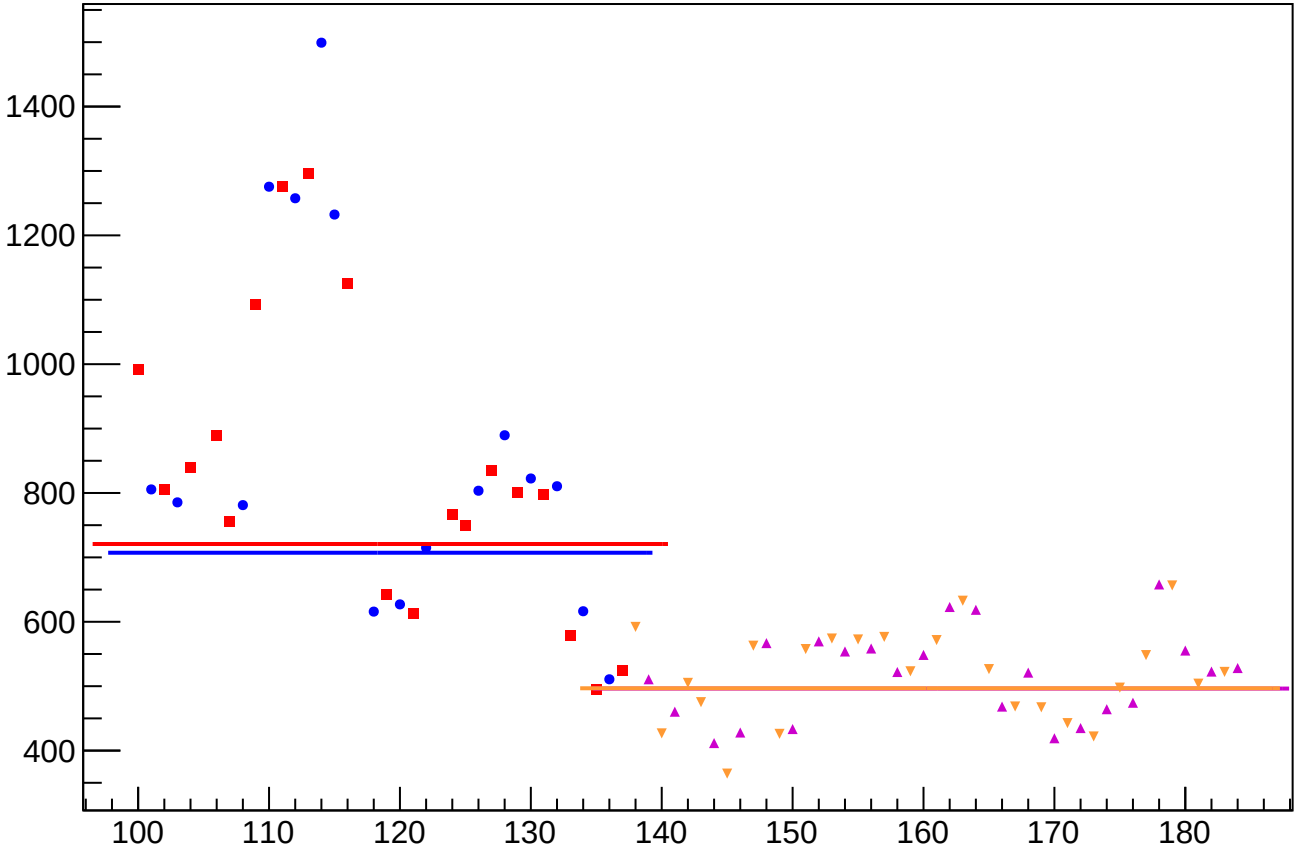
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 102.074+/-107.759 χ^2/NDF:41.9/38

Out: -364.123+/-106.249 χ^2/NDF:49.2/42

All: -134.313+/-75.657 χ^2/NDF: 100.6/81

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: 496.307+/-0.083 χ^2/NDF:622356.2/22

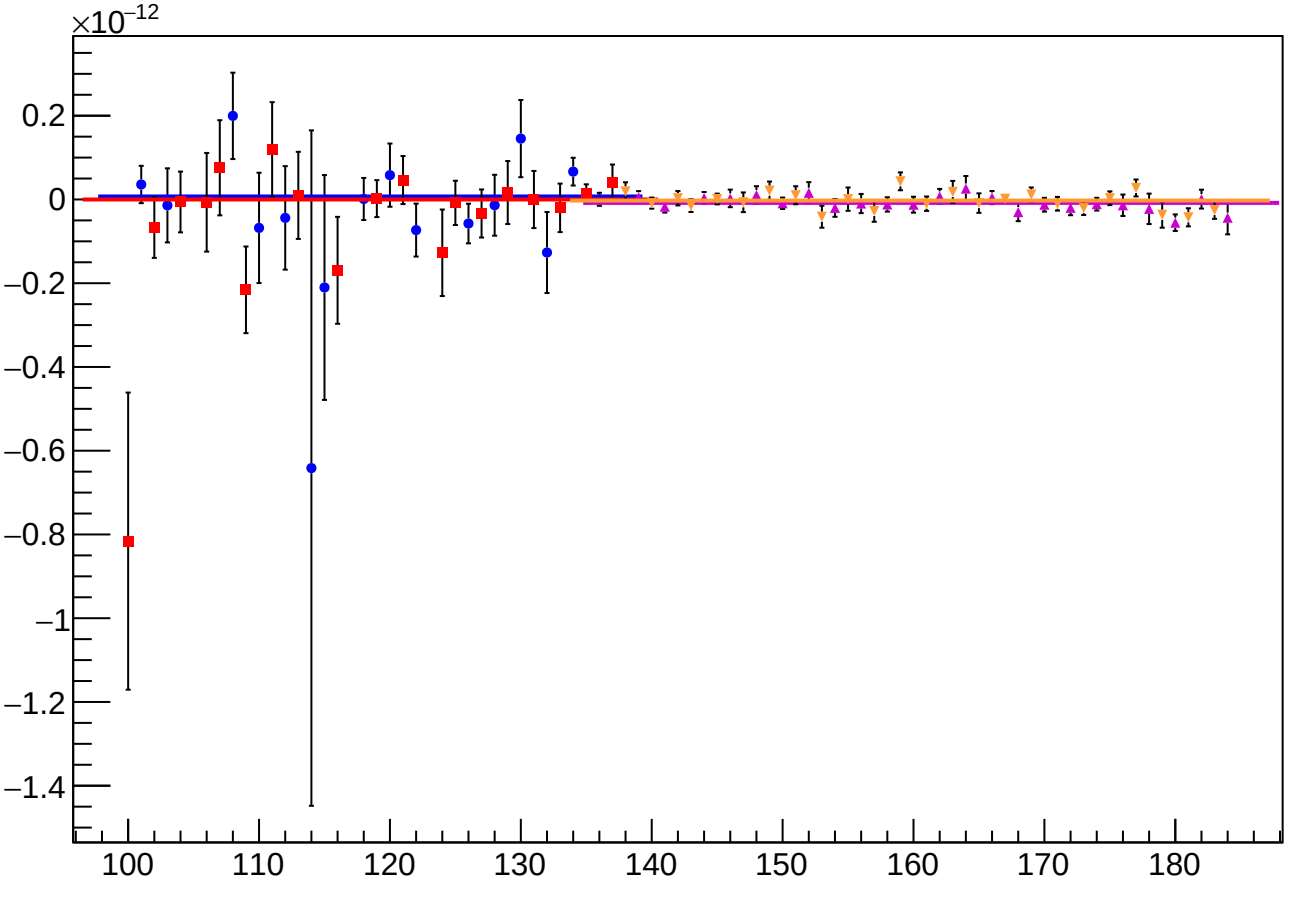
Left: 496.540+/-0.058 χ^2/NDF: 1414254.9/46

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 529.422+/-0.076 χ^2/NDF:2533077.4/38

Out: 530.546+/-0.075 χ^2/NDF:2945709.7/42

All: 529.992+/-0.053 χ^2/NDF: 5478897.4/81



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:15.5/22

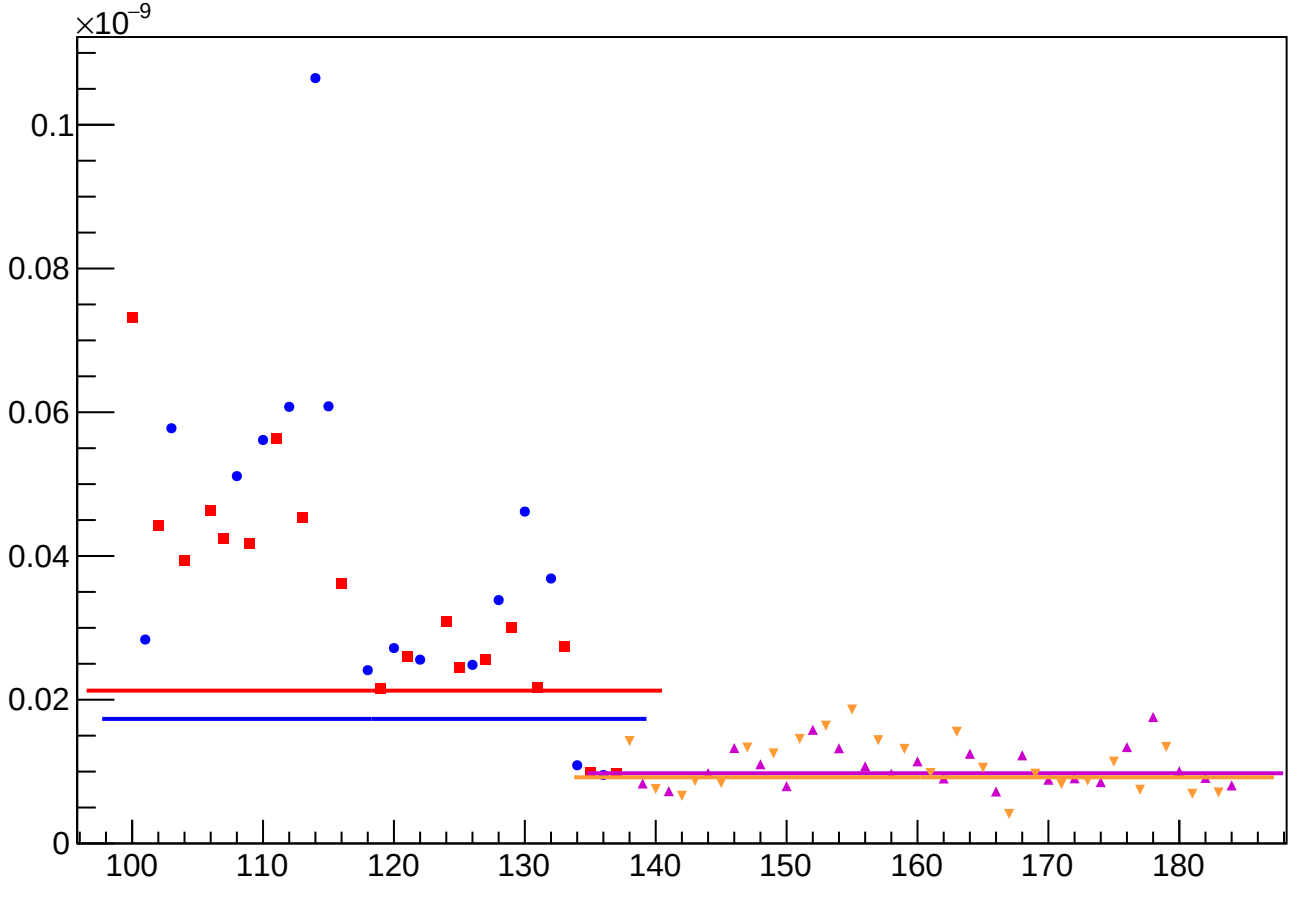
Left: -0.000+/-0.000 χ^2/NDF: 39.2/46

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:34.4/38

Out: -0.000+/-0.000 χ^2/NDF:40.4/42

All: -0.000+/-0.000 χ^2/NDF: 75.5/81



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:622904.8/22

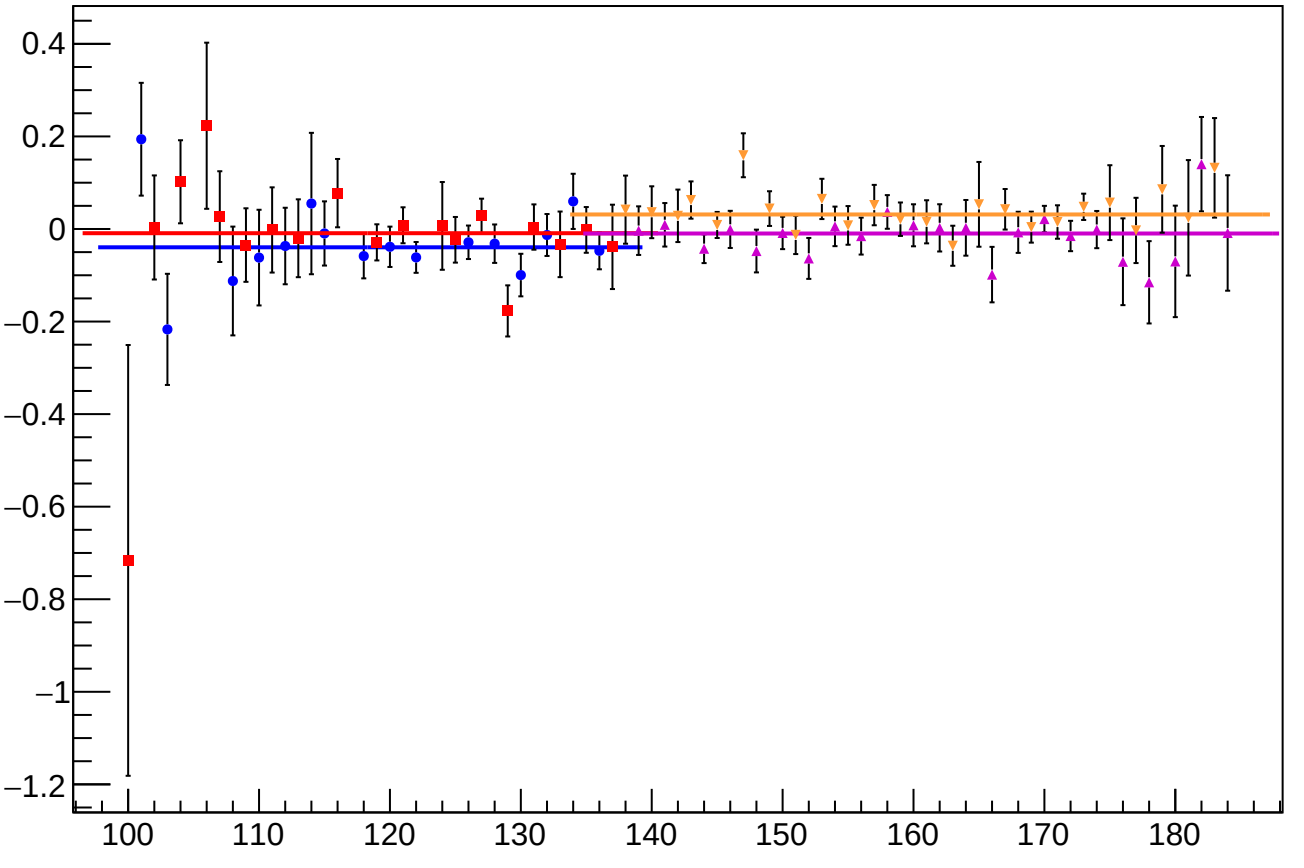
Left: 0.000+/-0.000 χ^2/NDF: 2462110.3/46

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3769984.3/38

Out: 0.000+/-0.000 χ^2/NDF:4996119.6/42

All: 0.000+/-0.000 χ^2/NDF: 8785903.7/81



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:13.2/22

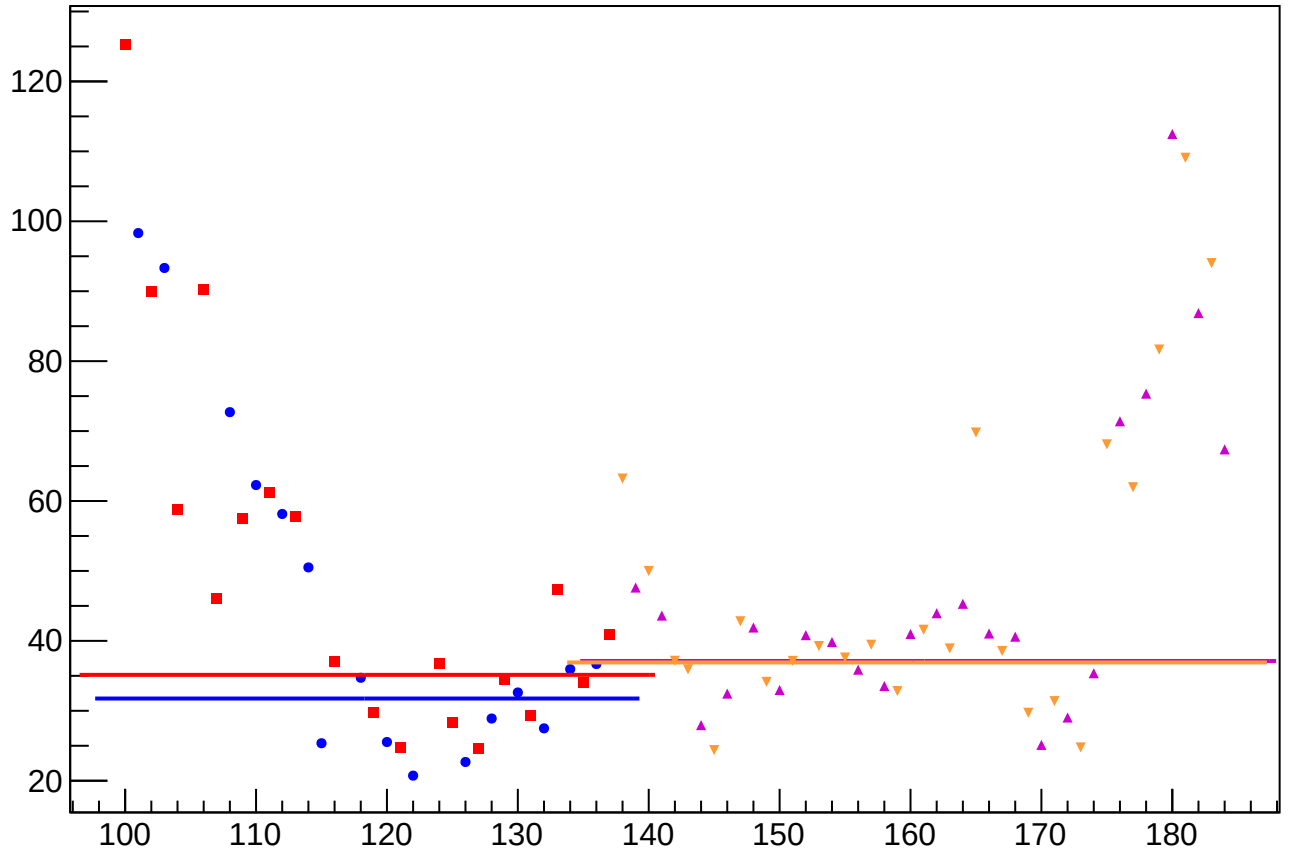
Left: 0.011+/-0.007 χ^2/NDF: 39.6/46

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:29.1/38

Out: 0.019+/-0.008 χ^2/NDF:40.5/42

All: -0.000+/-0.005 χ^2/NDF: 82.7/81



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: 37.127+/-0.007 χ^2/NDF:3012795.5/22

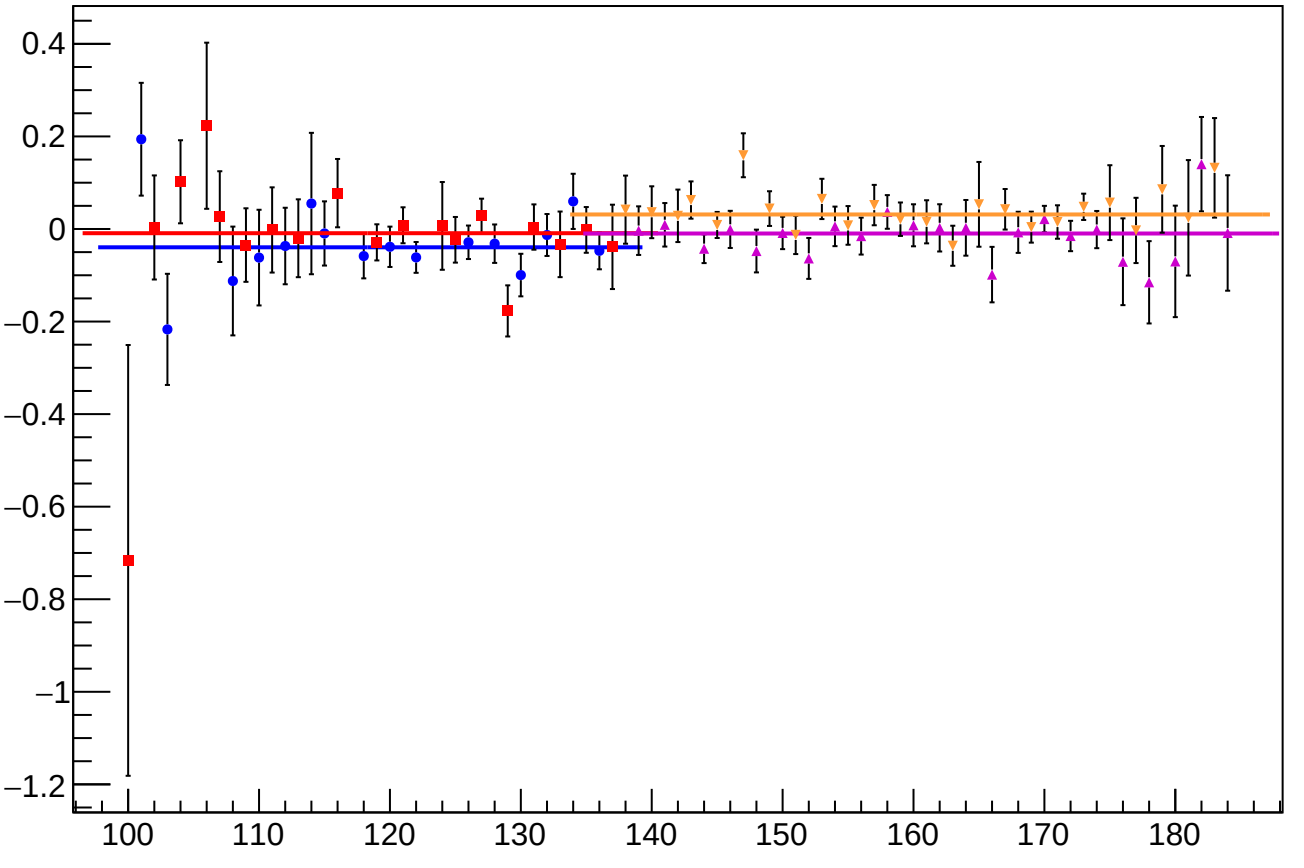
Left: 37.019+/-0.005 χ^2/NDF: 6885014.8/46

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 35.319+/-0.005 χ^2/NDF:5486143.8/38

Out: 36.394+/-0.005 χ^2/NDF:5738595.0/42

All: 35.853+/-0.004 χ^2/NDF: 11244467.7/81



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:13.2/22

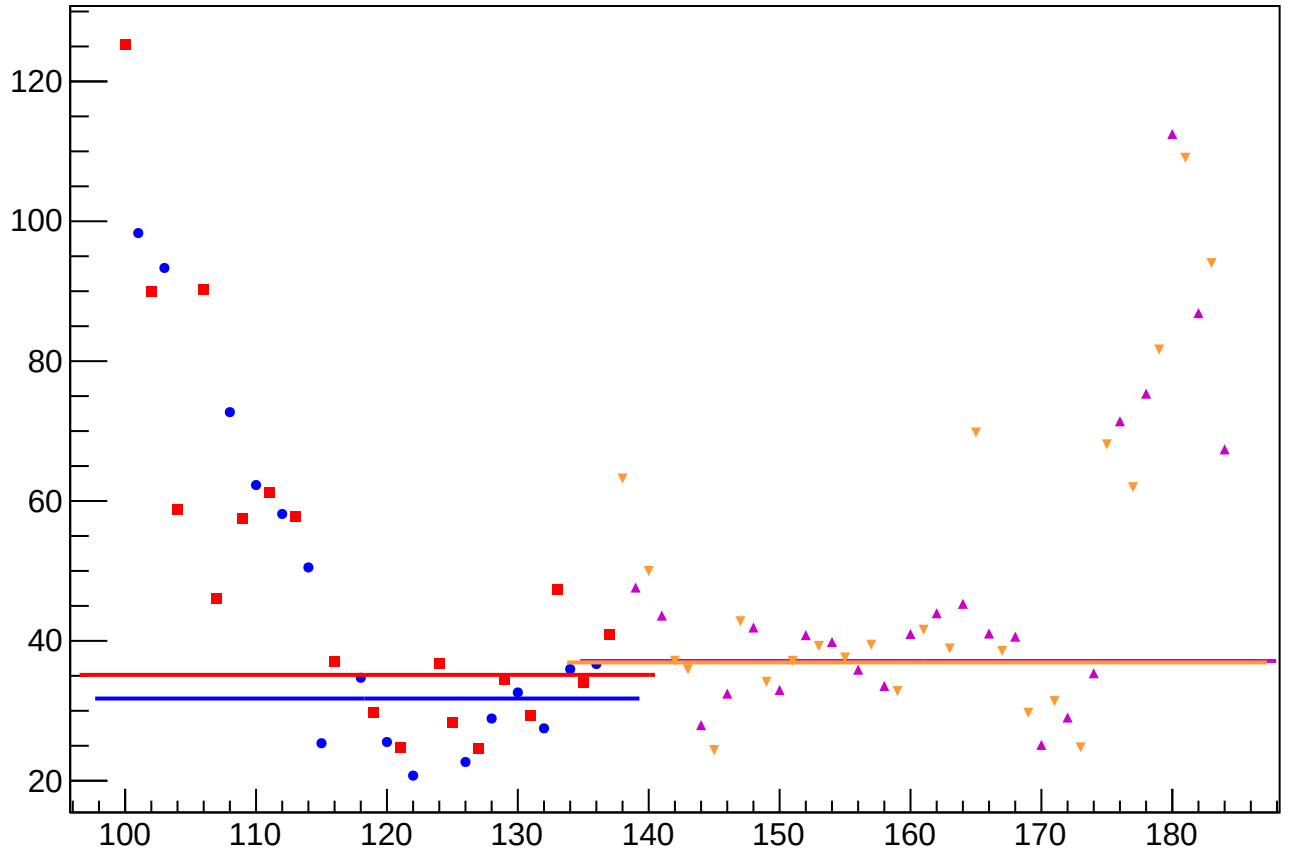
Left: 0.011+/-0.007 χ^2/NDF: 39.6/46

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:29.1/38

Out: 0.019+/-0.008 χ^2/NDF:40.5/42

All: -0.000+/-0.005 χ^2/NDF: 82.7/81



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: 37.127+/-0.007 χ^2/NDF:3012795.5/22

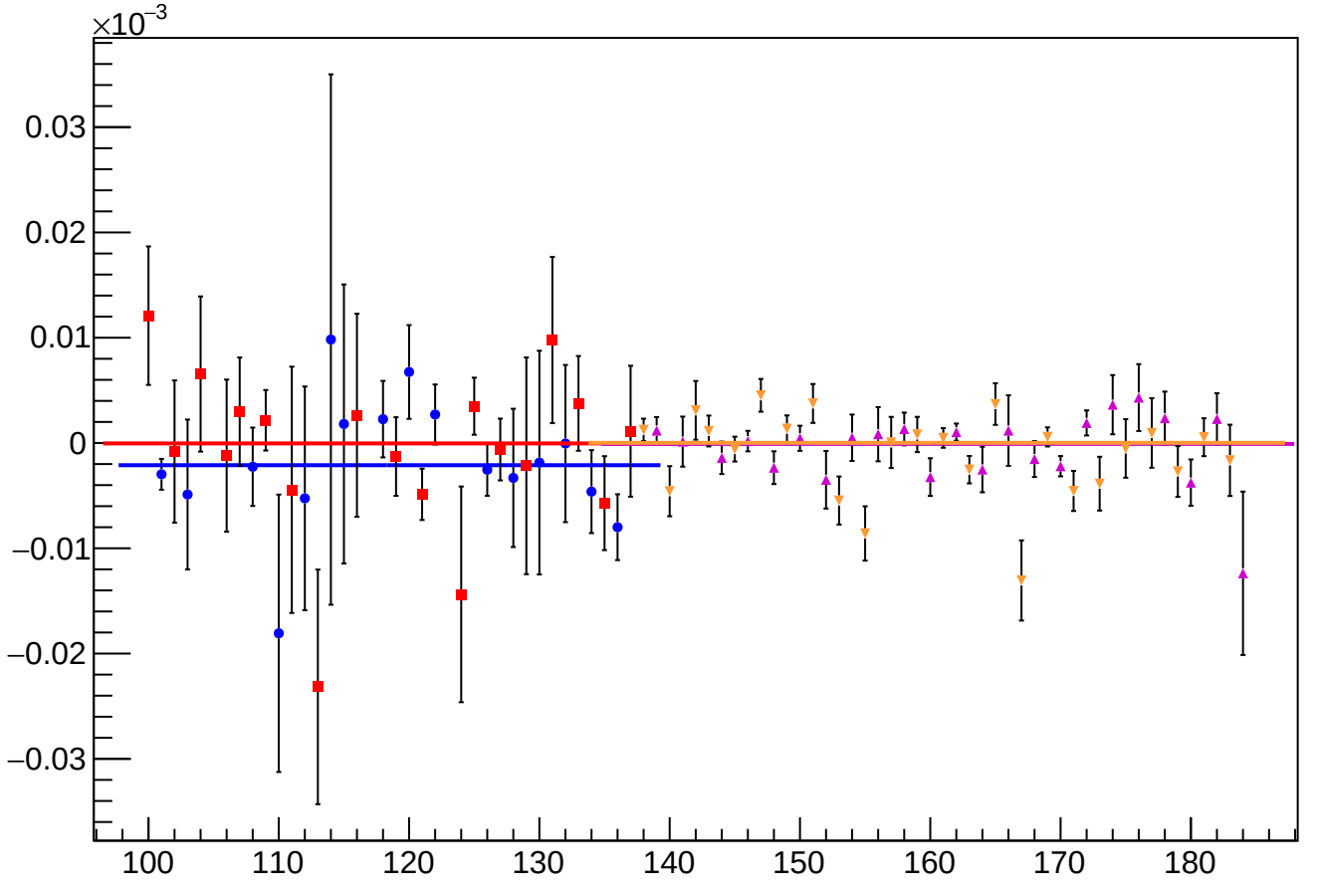
Left: 37.019+/-0.005 χ^2/NDF: 6885014.8/46

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 35.319+/-0.005 χ^2/NDF:5486143.8/38

Out: 36.394+/-0.005 χ^2/NDF:5738595.0/42

All: 35.853+/-0.004 χ^2/NDF: 11244467.7/81



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:32.2/22

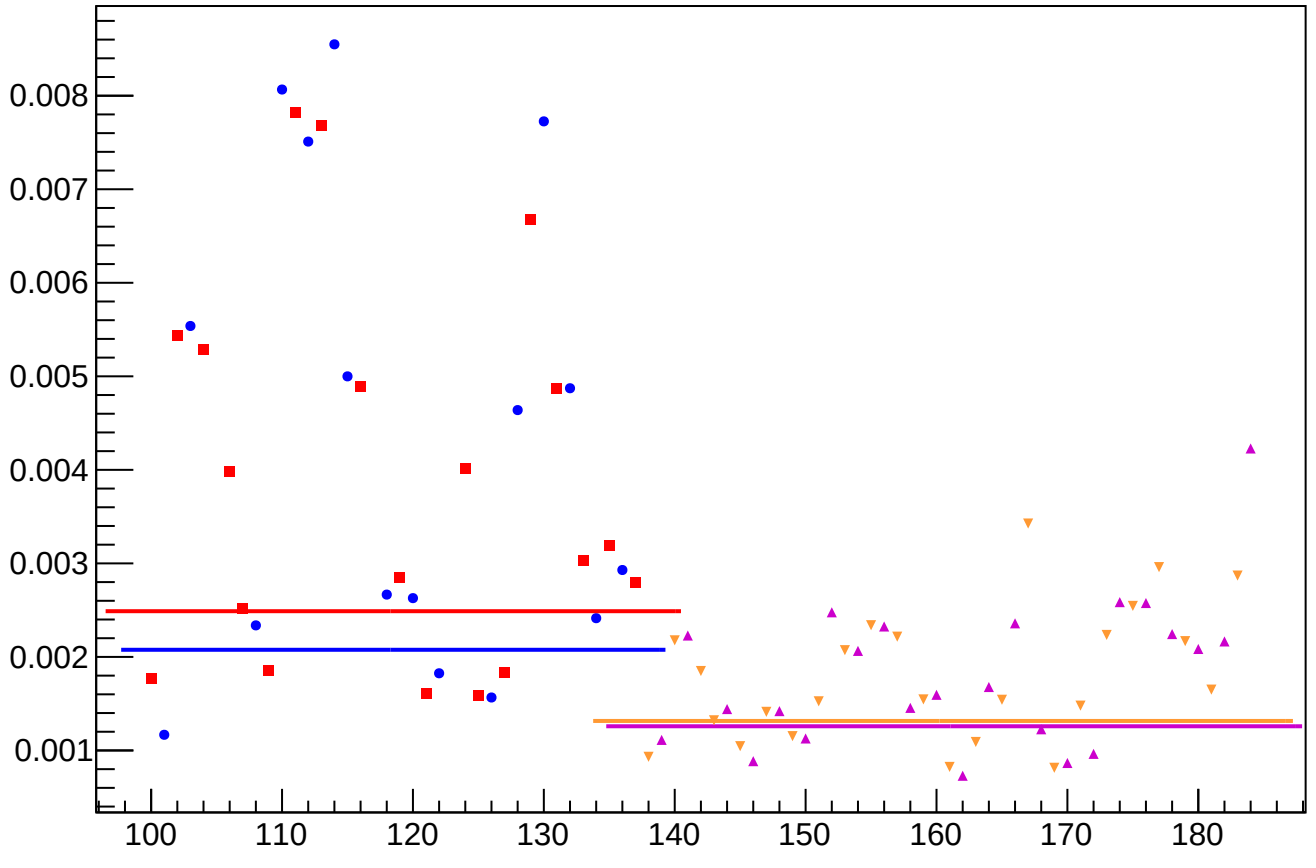
Left: -0.000+/-0.000 χ^2/NDF: 99.7/46

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:51.3/38

Out: 0.000+/-0.000 χ^2/NDF:88.8/42

All: -0.000+/-0.000 χ^2/NDF: 140.7/81



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:5369001.1/22

Left: 0.001+/-0.000 χ^2/NDF: 10784793.7/46

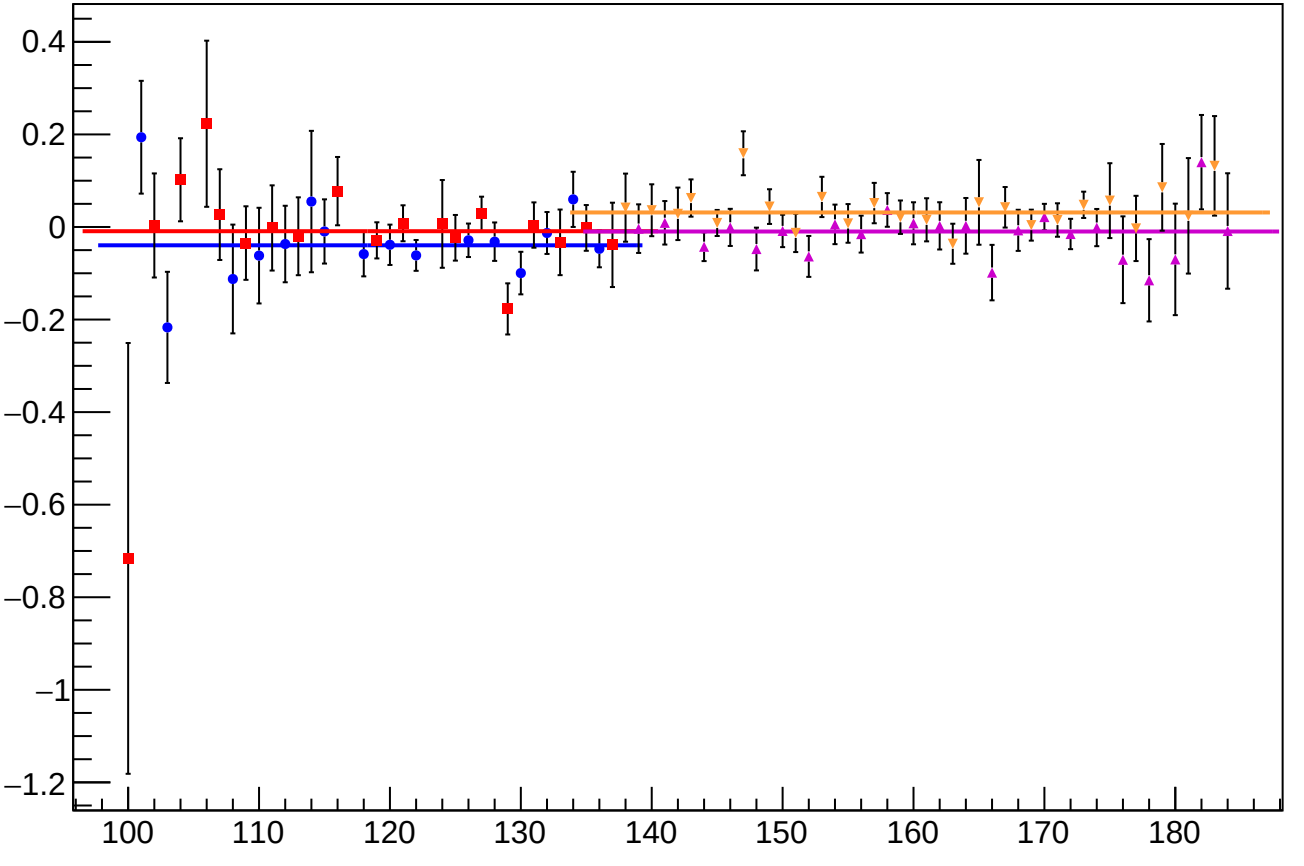
Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:10716785.8/38

Out: 0.001+/-0.000 χ^2/NDF:10780435.3/42

All: 0.001+/-0.000 χ^2/NDF: 21548334.3/81

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:16.5/23

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

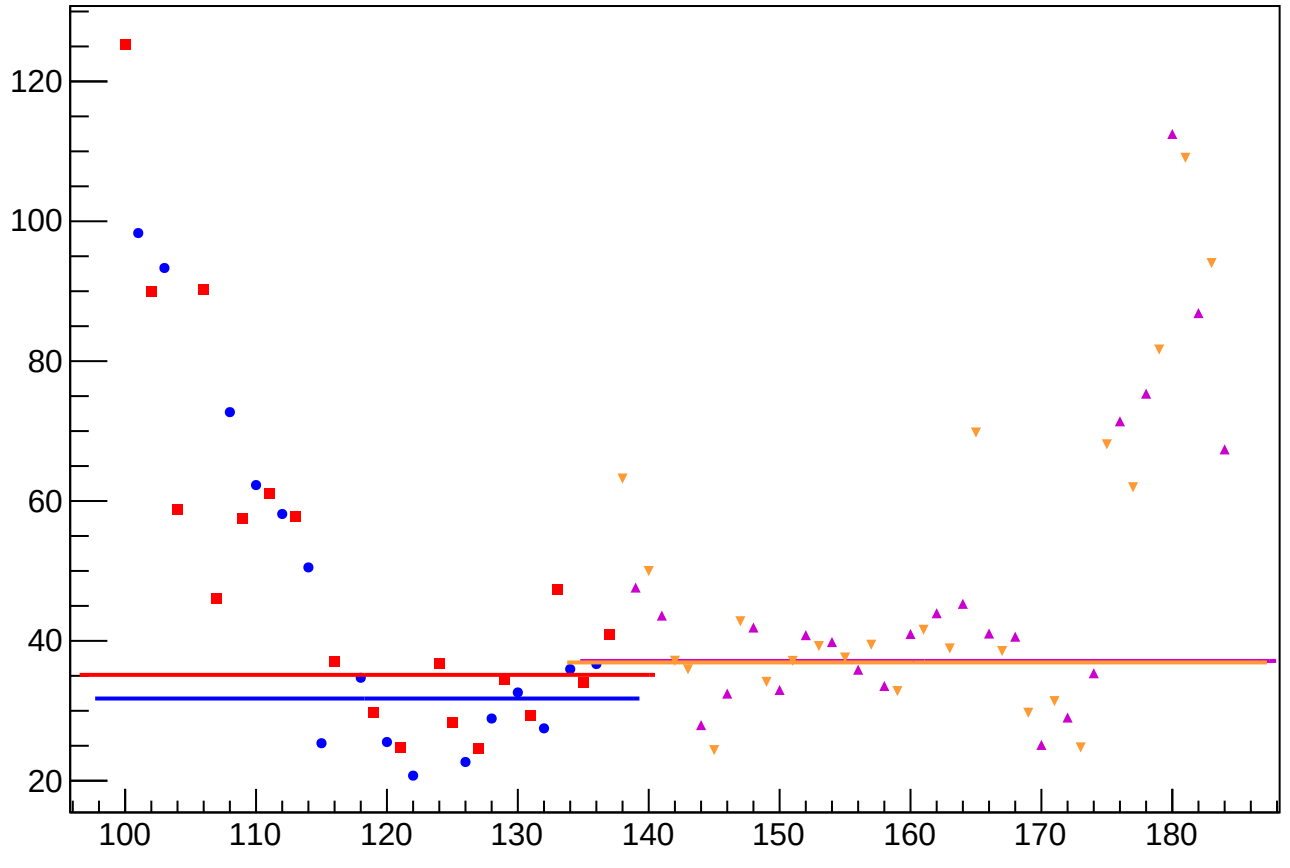
Left: 0.011+/-0.007 χ^2/NDF: 39.6/46

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:29.1/38

Out: 0.019+/-0.008 χ^2/NDF:40.5/42

All: -0.000+/-0.005 χ^2/NDF: 82.7/81



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: 37.127+/-0.007 χ^2/NDF:3012767.1/22

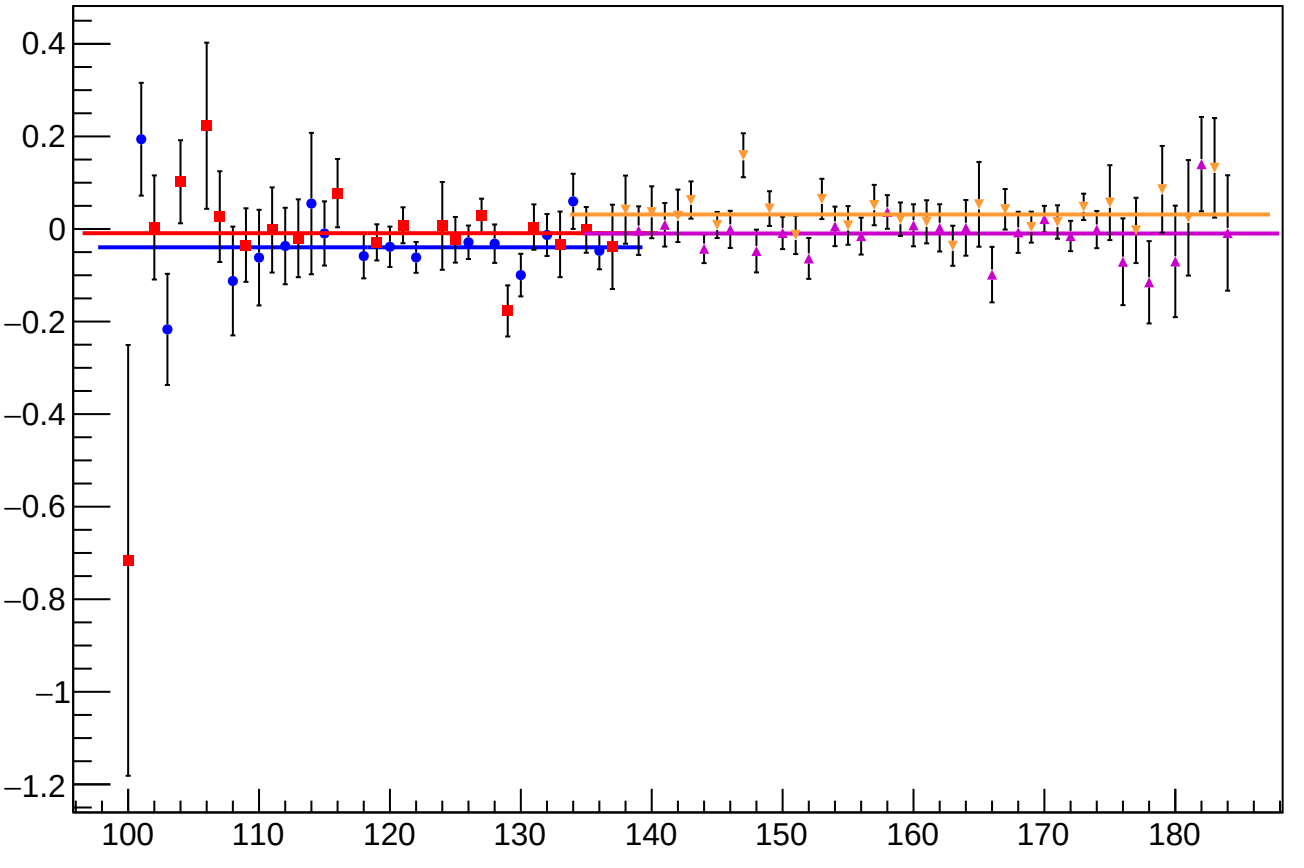
Left: 37.019+/-0.005 χ^2/NDF: 6884999.2/46

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 35.319+/-0.005 χ^2/NDF:5486053.9/38

Out: 36.394+/-0.005 χ^2/NDF:5738491.4/42

All: 35.854+/-0.004 χ^2/NDF: 11244274.5/81



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:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 39.6/46

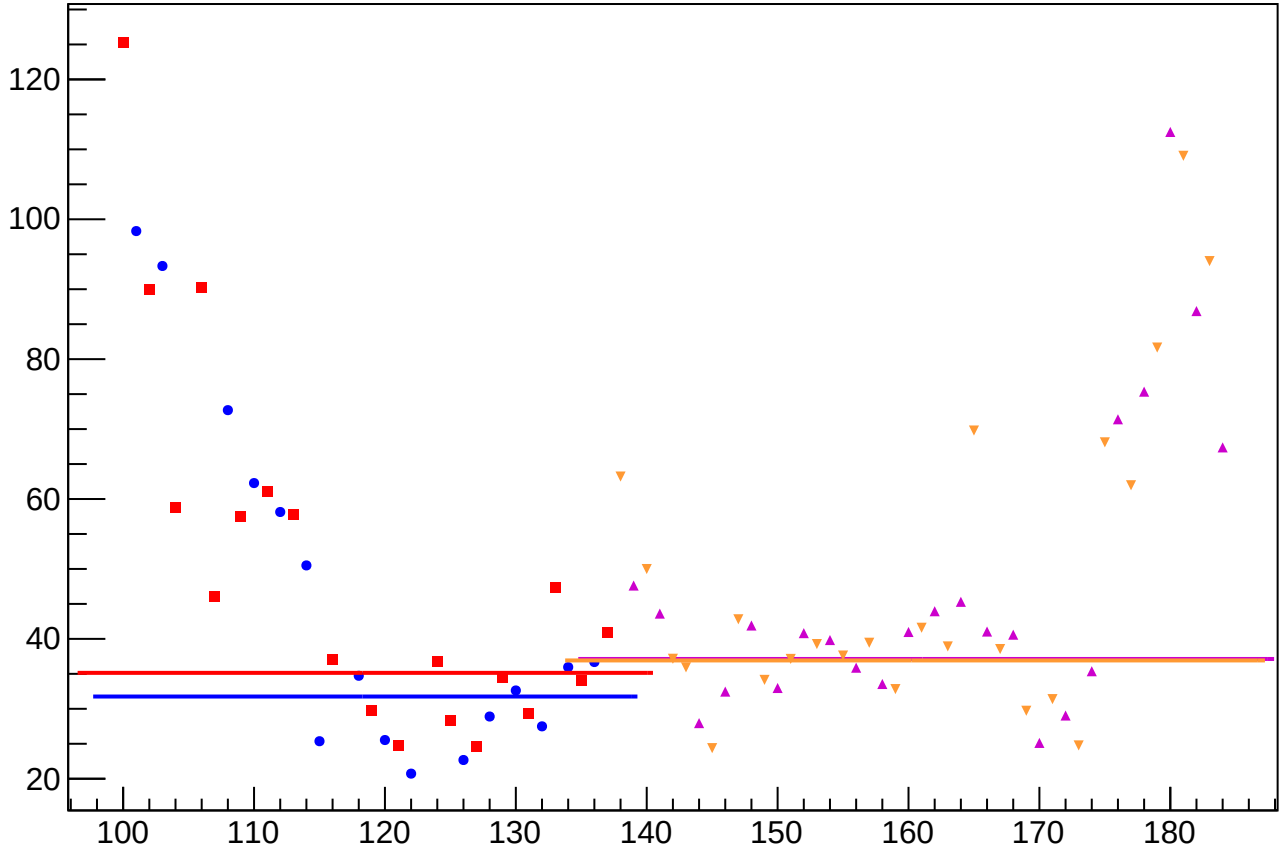
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:29.1/38

Out: 0.019+/-0.008 χ^2/NDF:40.5/42

All: -0.000+/-0.005 χ^2/NDF: 82.7/81

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: 37.127+/-0.007 χ^2/NDF:3012767.1/22

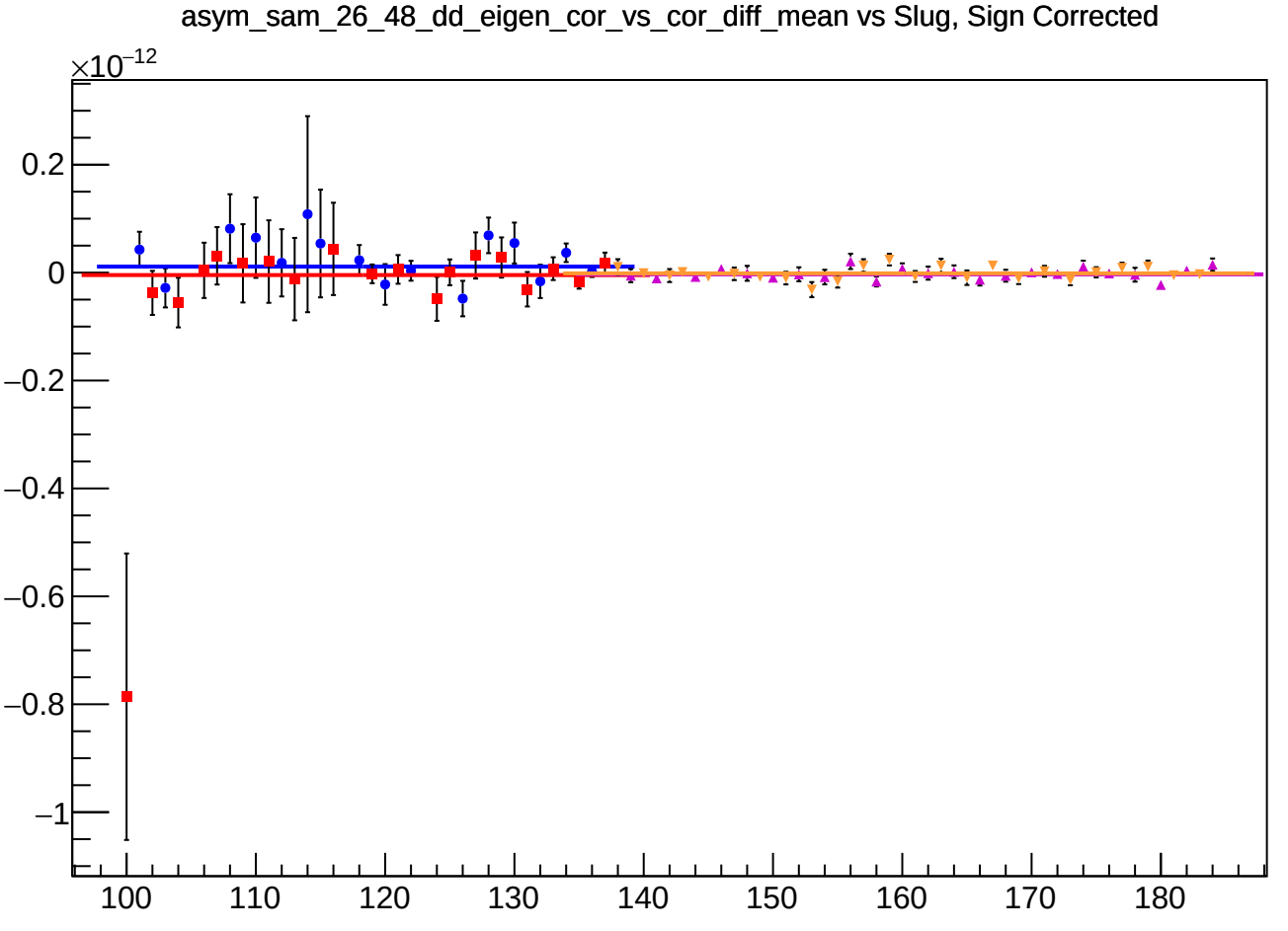
Left: 37.019+/-0.005 χ^2/NDF: 6884999.2/46

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 35.319+/-0.005 χ^2/NDF:5486053.9/38

Out: 36.394+/-0.005 χ^2/NDF:5738491.4/42

All: 35.854+/-0.004 χ^2/NDF: 11244274.5/81



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:20.6/22

Left: -0.000+/-0.000 χ^2/NDF: 46.8/46

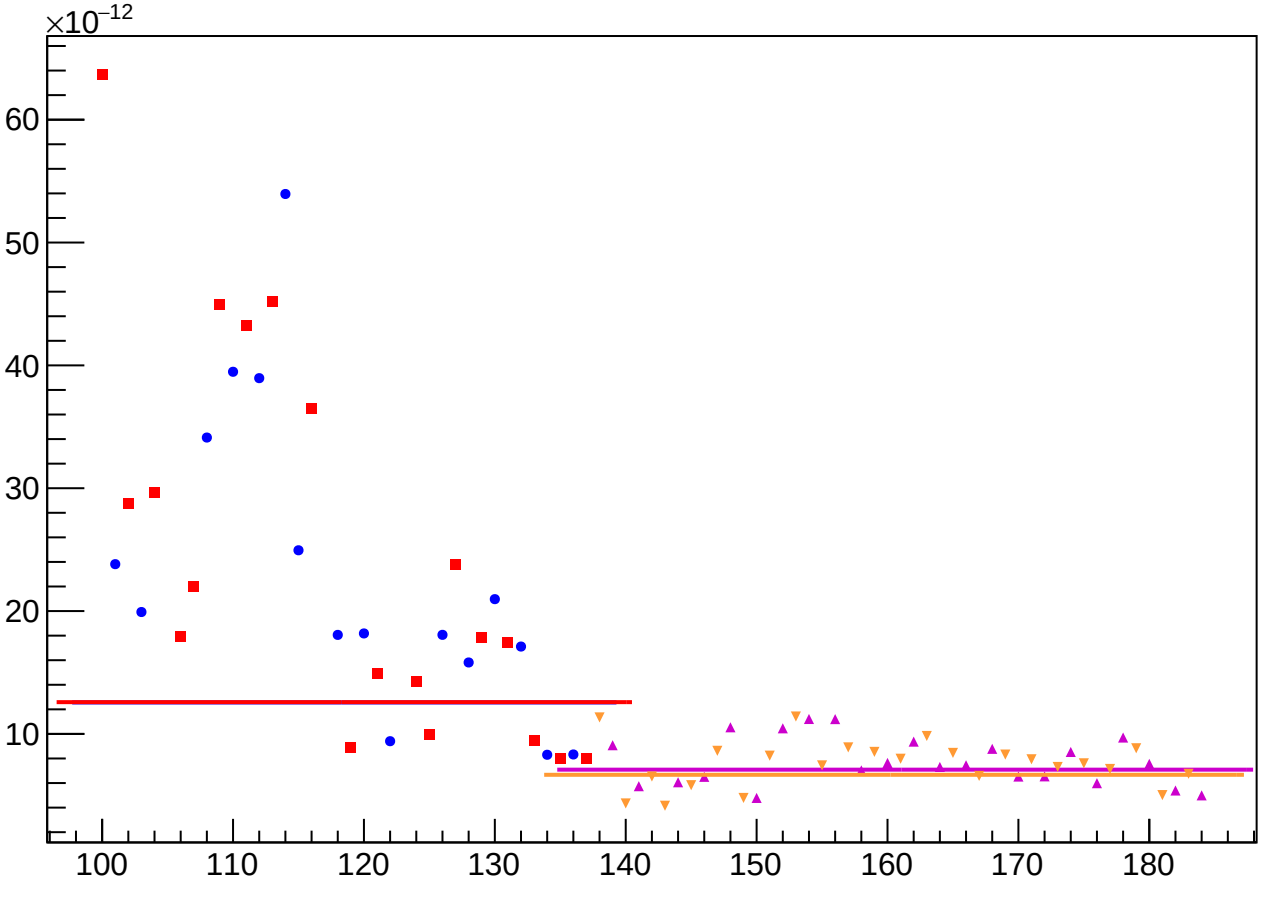
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:42.0/38

Out: -0.000+/-0.000 χ^2/NDF:43.5/42

All: -0.000+/-0.000 χ^2/NDF: 85.5/81

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:1431998.0/22

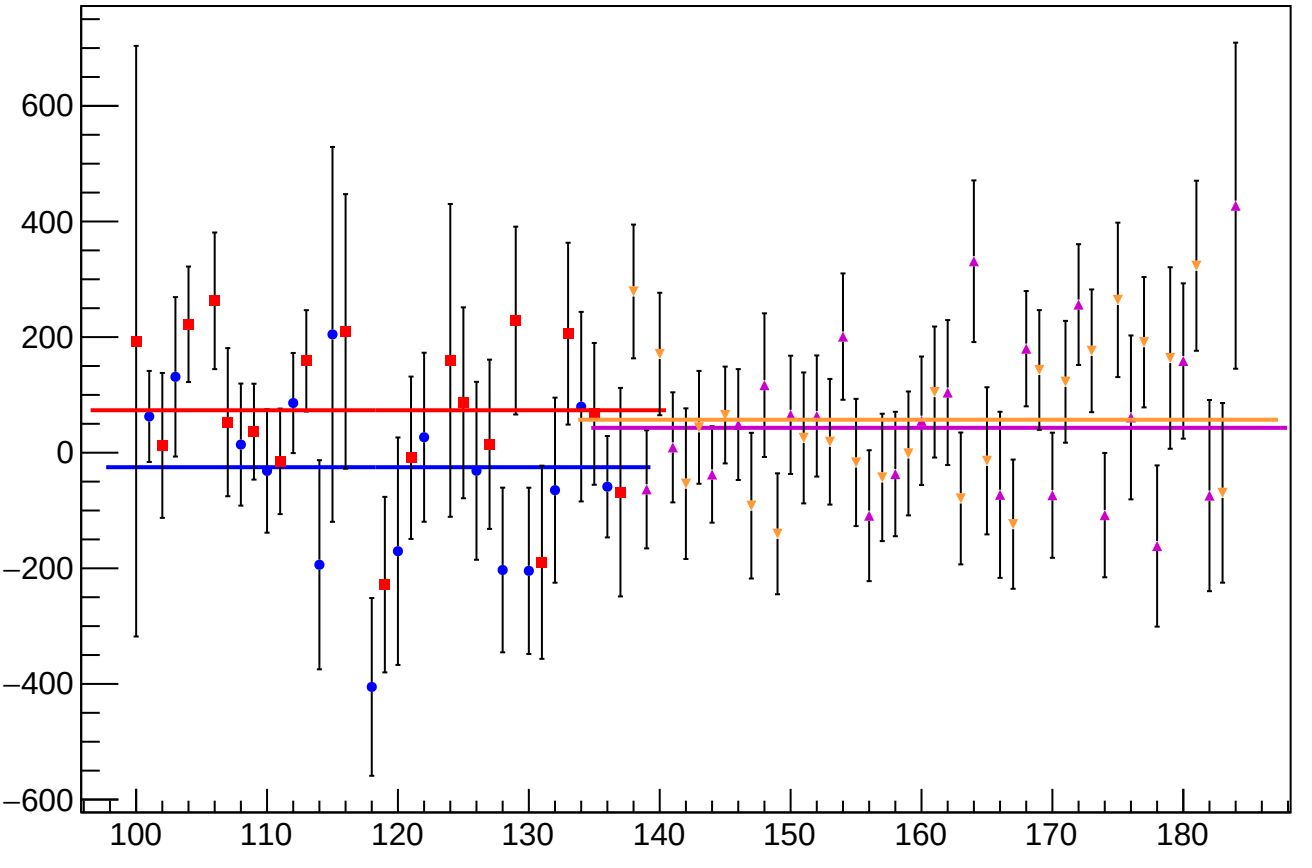
Left: 0.000+/-0.000 χ^2/NDF: 3428570.2/46

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:4906007.2/38

Out: 0.000+/-0.000 χ^2/NDF:6160984.4/42

All: 0.000+/-0.000 χ^2/NDF: 11126608.1/81



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: 43.026+/-23.758 χ^2/NDF:26.6/22

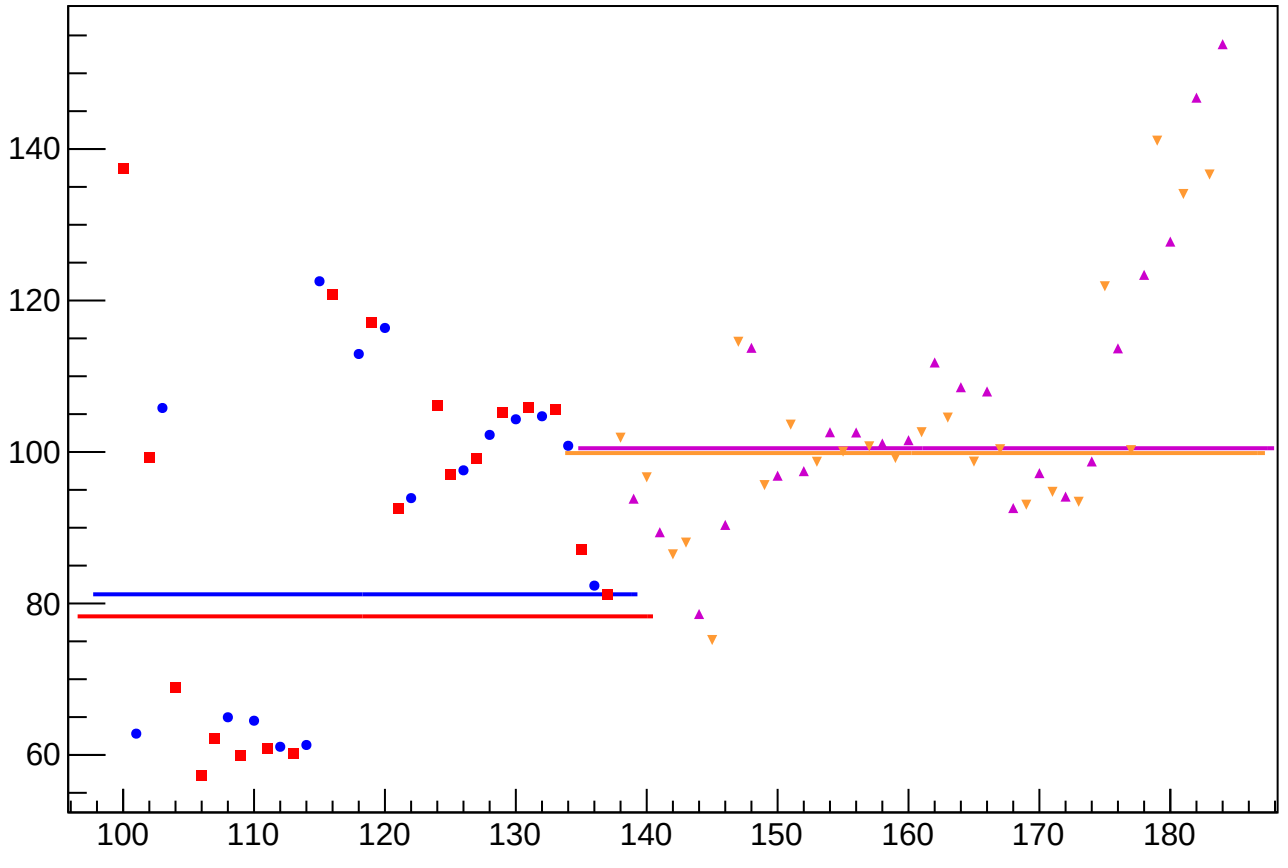
Left: 50.238+/-16.570 χ^2/NDF: 54.2/46

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 18.062+/-18.909 χ^2/NDF:45.8/38

Out: 63.192+/-18.298 χ^2/NDF:44.4/42

All: 41.367+/-13.149 χ^2/NDF: 93.1/81



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: 100.498+/-0.017 χ^2/NDF:656850.1/22

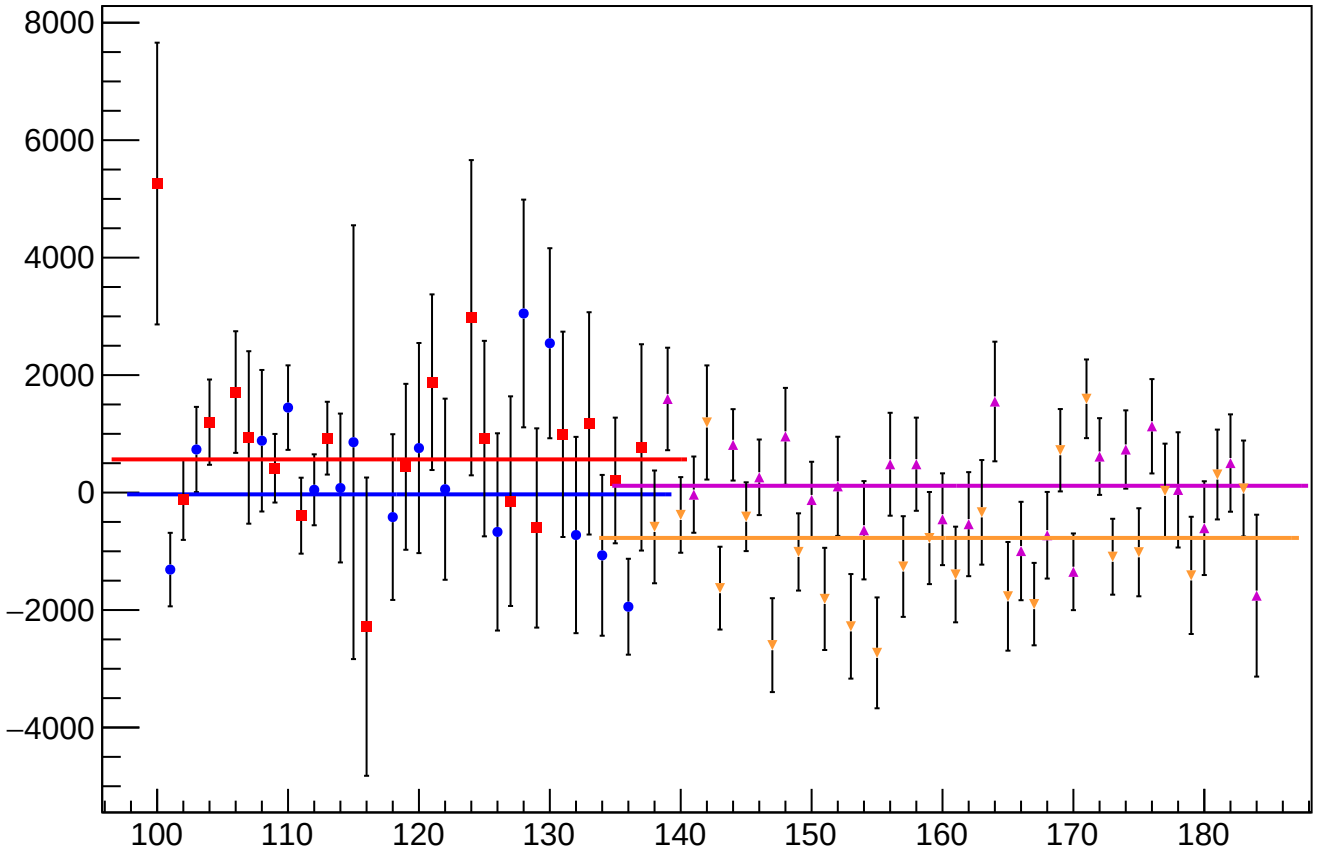
Left: 100.169+/-0.012 χ^2/NDF: 1355266.0/46

Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 93.427+/-0.013 χ^2/NDF:1927772.5/38

Out: 91.802+/-0.013 χ^2/NDF:2282163.0/42

All: 92.588+/-0.009 χ^2/NDF: 4217564.7/81



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: 115.639+/-160.990 χ^2/NDF:23.7/22

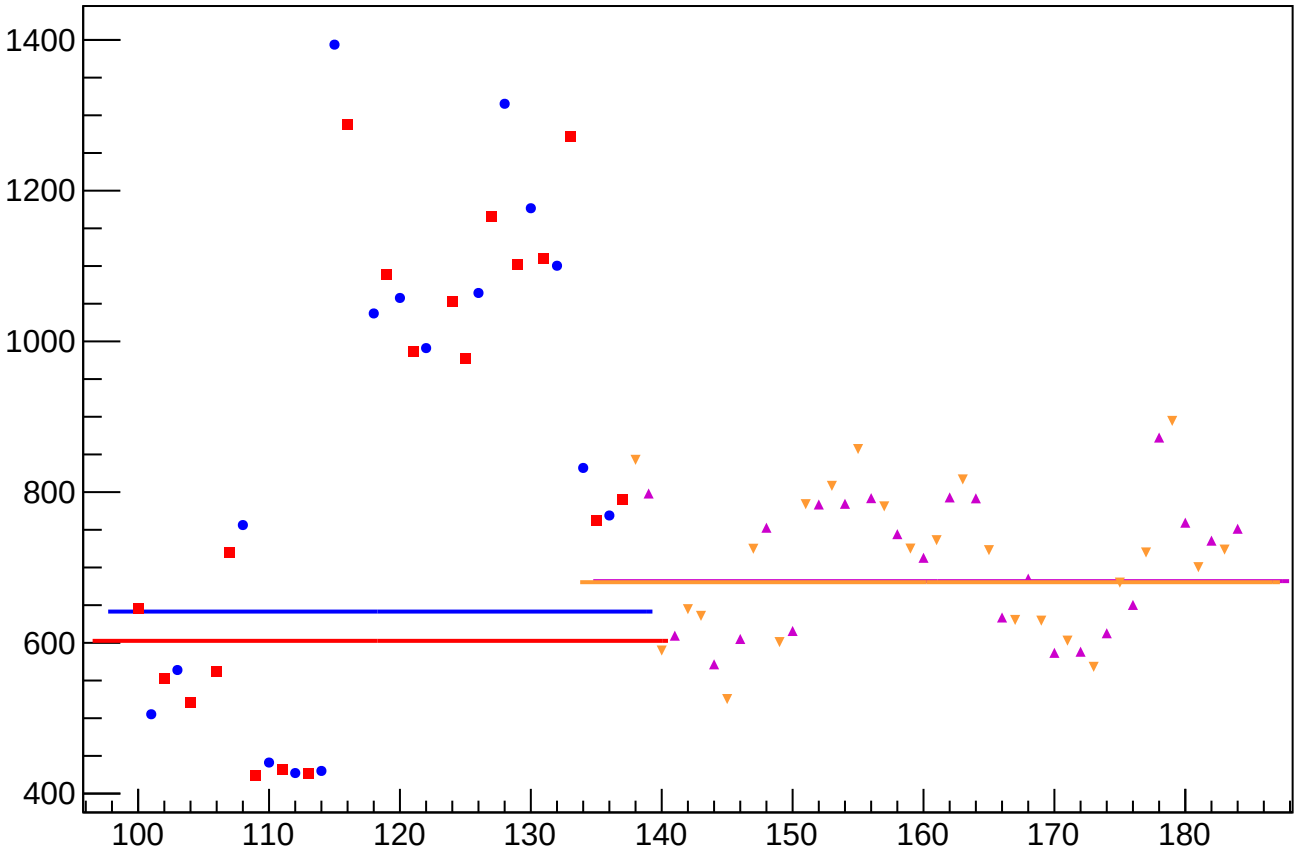
Left: -337.540+/-112.652 χ^2/NDF: 86.3/46

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 74.481+/-136.432 χ^2/NDF:45.8/38

Out: -365.557+/-131.537 χ^2/NDF:82.2/42

All: -153.574+/-94.694 χ^2/NDF: 133.4/81



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 680.491+/-0.112 χ^2/NDF:729061.6/23

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

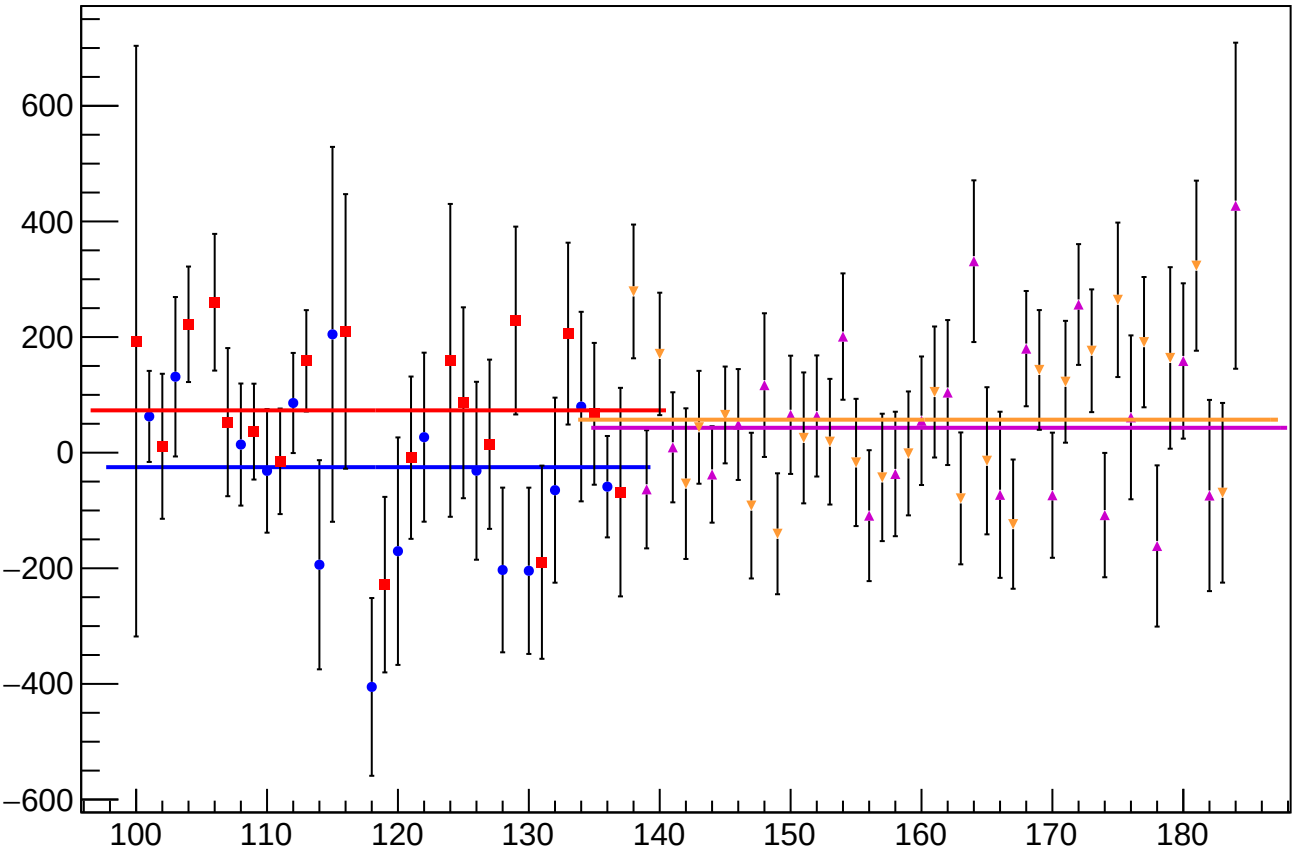
Left: 681.178+/-0.080 χ^2/NDF: 1302951.4/46

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 670.509+/-0.096 χ^2/NDF:2484288.5/38

Out: 656.814+/-0.093 χ^2/NDF:2947603.7/42

All: 663.411+/-0.067 χ^2/NDF: 5442337.2/81



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: 43.026+/-23.758 χ^2/NDF:26.6/22

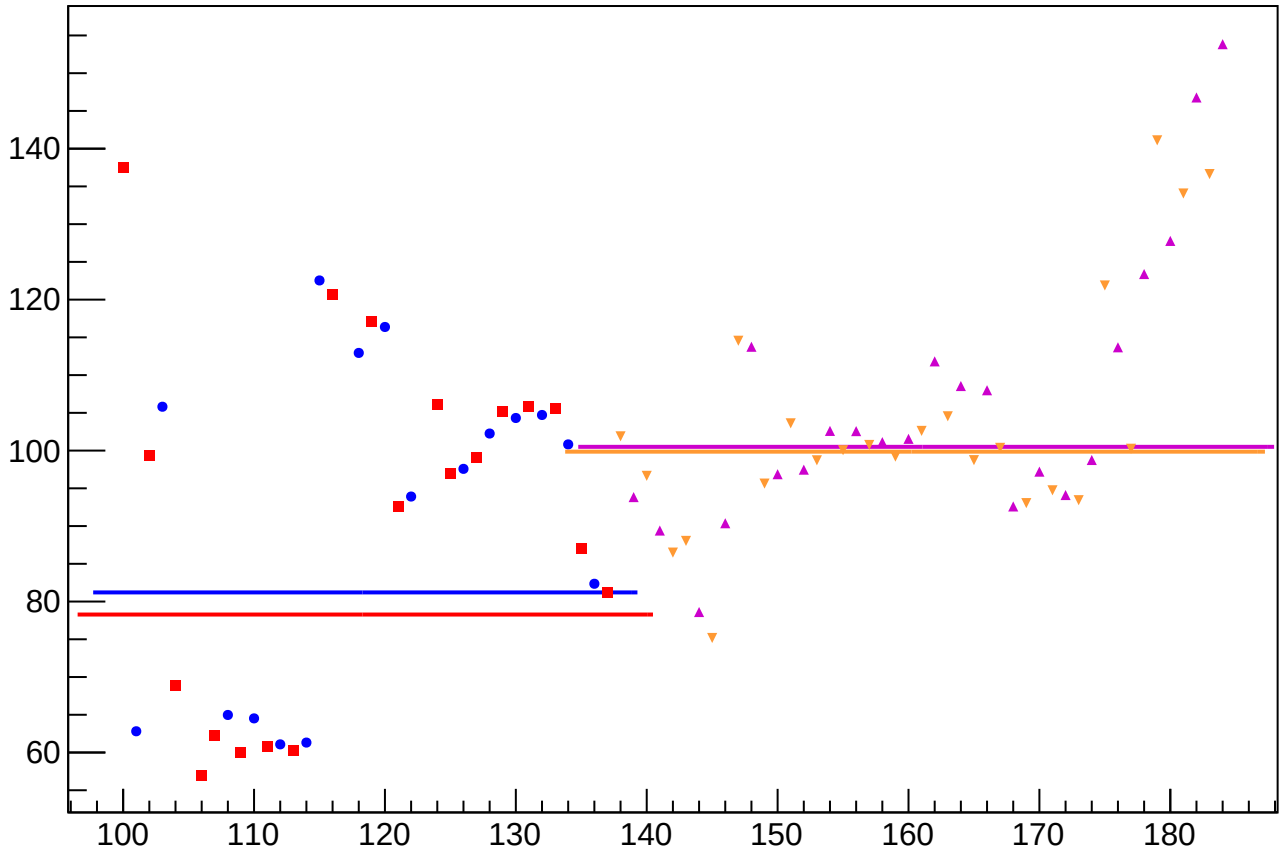
Left: 50.241+/-16.570 χ^2/NDF: 54.2/46

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 18.061+/-18.909 χ^2/NDF:45.8/38

Out: 63.097+/-18.299 χ^2/NDF:44.3/42

All: 41.317+/-13.149 χ^2/NDF: 93.1/81



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: 100.498+/-0.017 χ^2/NDF:656850.1/22

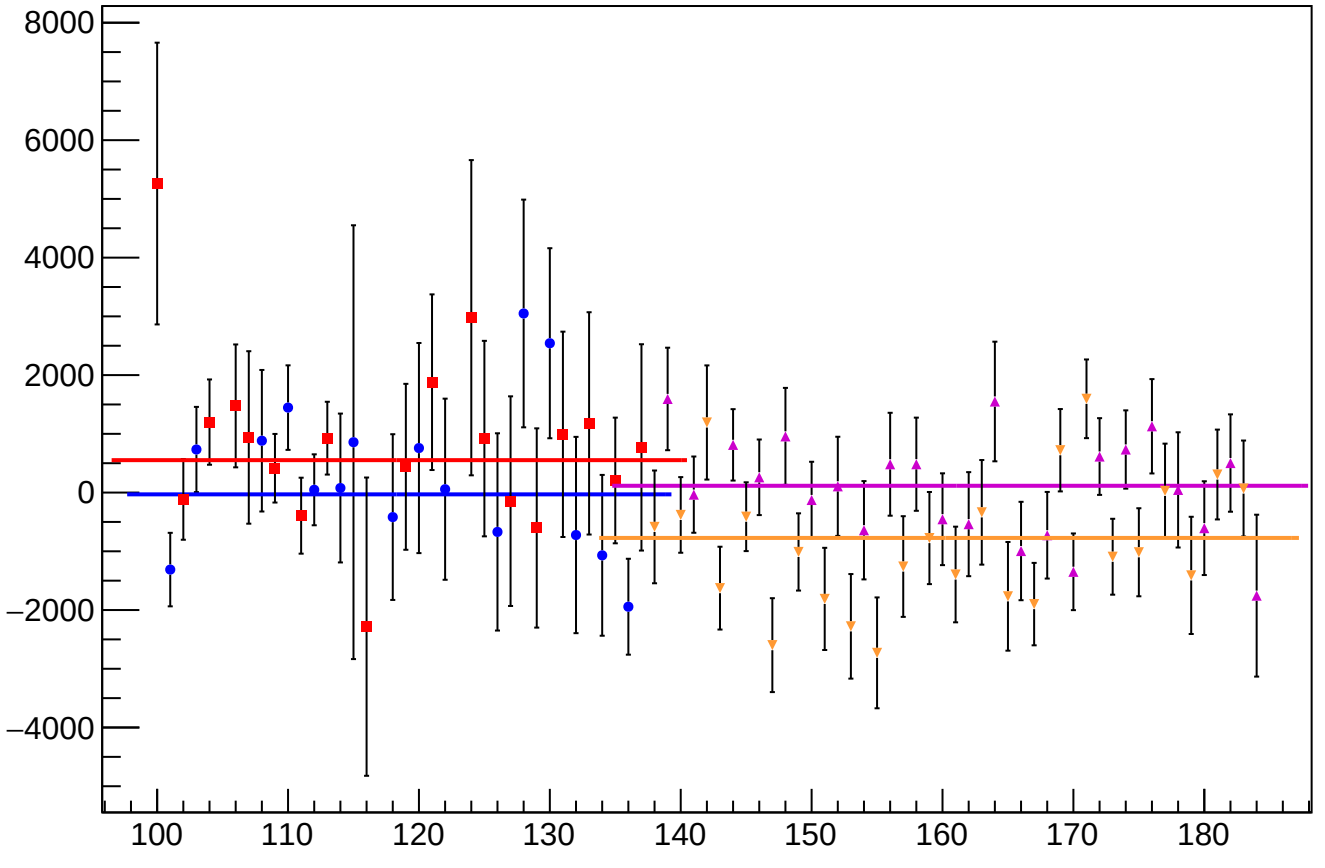
Left: 100.169+/-0.012 χ^2/NDF: 1355266.1/46

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

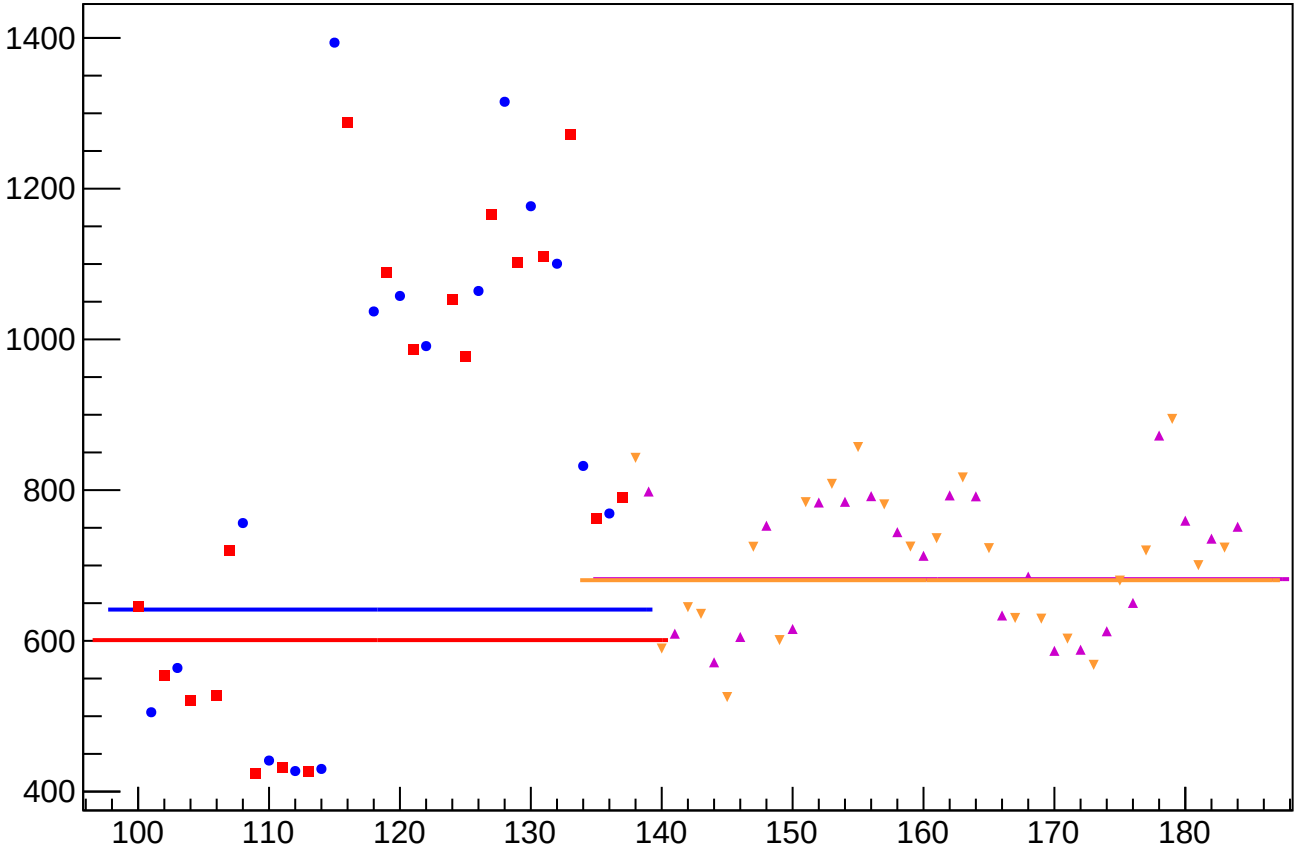
In: 93.427+/-0.013 χ^2/NDF:1927773.9/38

Out: 91.796+/-0.013 χ^2/NDF:2285375.7/42

All: 92.585+/-0.009 χ^2/NDF: 4220838.5/81


asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: -30.434+/-257.002 χ²/NDF: 21.9/15
Left Out: -772.316+/-157.689 χ²/NDF:47.0/23
Right Out: 551.948+/-238.640 χ²/NDF: 12.8/18
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -337.535+/-112.652 χ²/NDF: 86.3/46
Right: 282.303+/-174.876 χ²/NDF: 37.4/34
In: 74.474+/-136.432 χ²/NDF:45.8/38
Out: -369.836+/-131.561 χ²/NDF:81.3/42
All: -155.754+/-94.703 χ²/NDF: 132.6/81

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 680.491+/-0.112 χ^2/NDF:729061.3/23

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

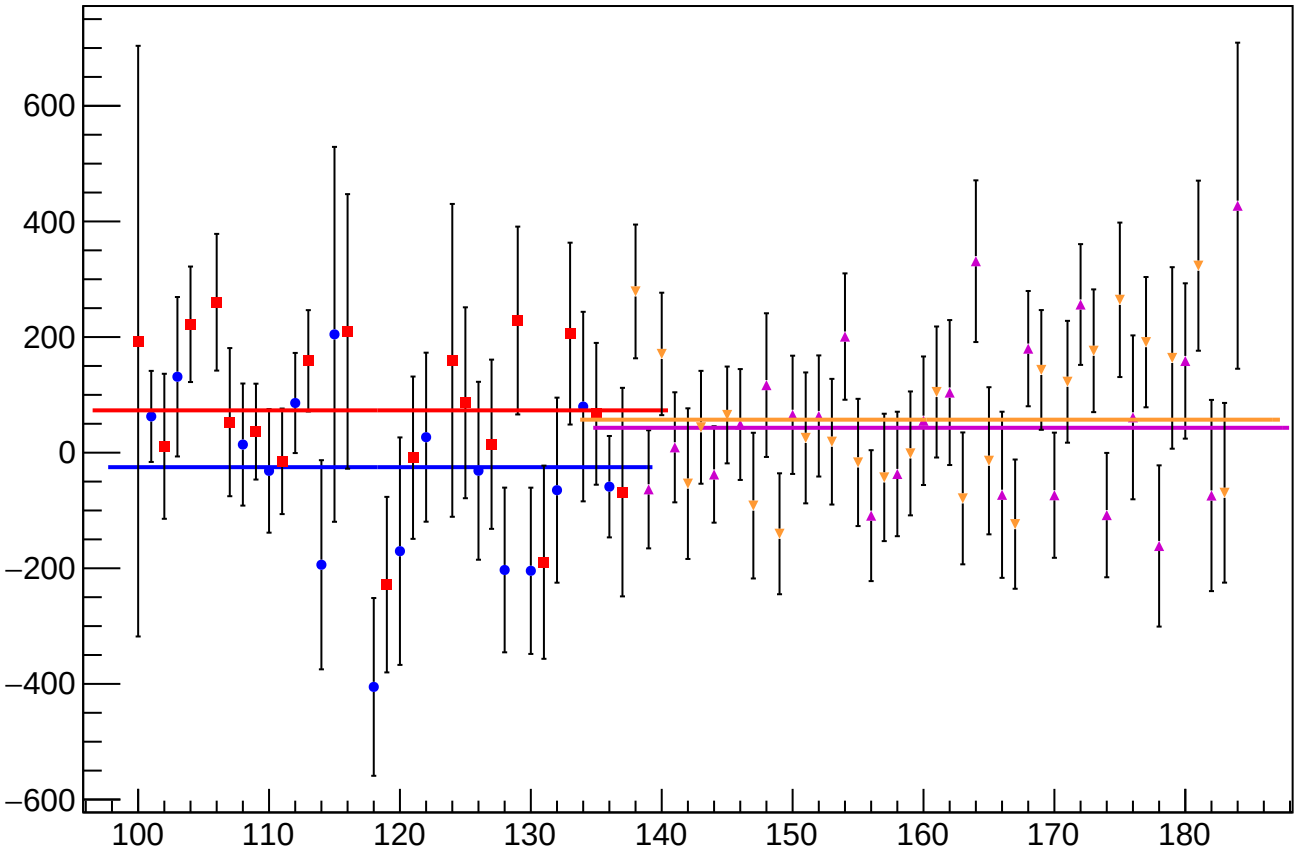
Left: 681.178+/-0.080 χ^2/NDF: 1302952.4/46

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 670.512+/-0.096 χ^2/NDF:2484232.7/38

Out: 656.324+/-0.093 χ^2/NDF:2960855.5/42

All: 663.160+/-0.067 χ^2/NDF: 5456295.7/81



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: 43.026+/-23.758 χ^2/NDF:26.6/22

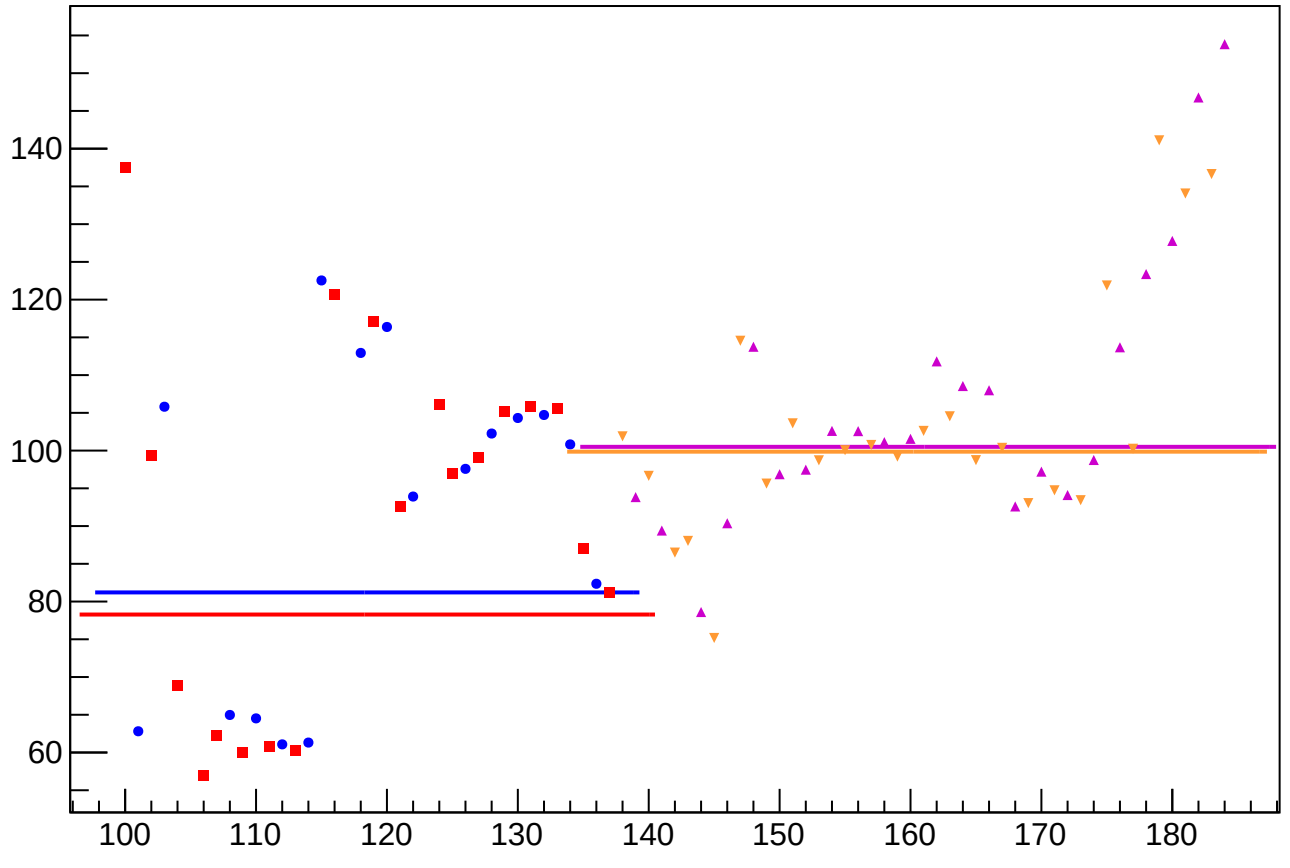
Left: 50.241+/-16.570 χ^2/NDF: 54.2/46

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 18.061+/-18.909 χ^2/NDF:45.8/38

Out: 63.097+/-18.299 χ^2/NDF:44.3/42

All: 41.317+/-13.149 χ^2/NDF: 93.1/81



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: 100.498+/-0.017 χ^2/NDF:656850.1/22

Left: 100.169+/-0.012 χ^2/NDF: 1355266.1/46

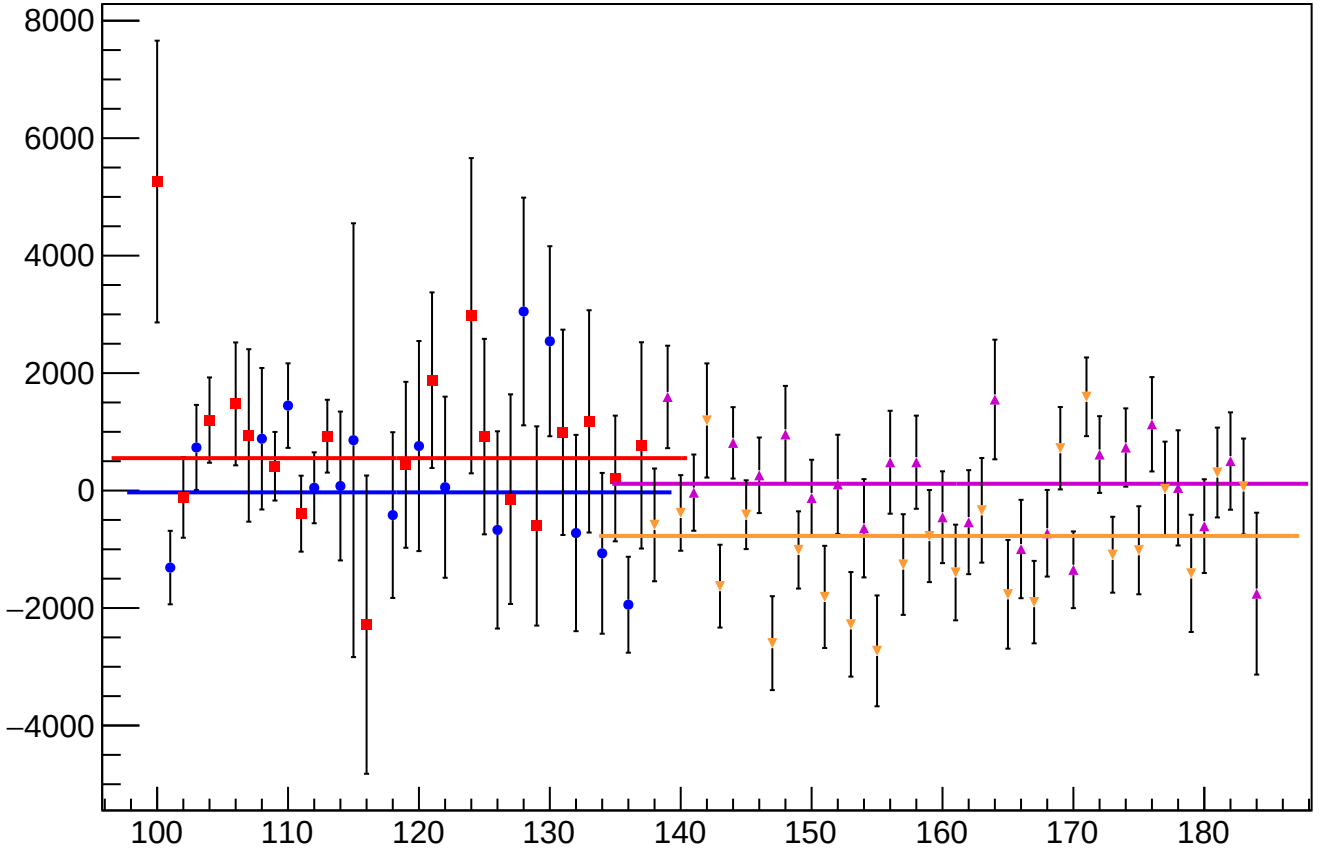
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 93.427+/-0.013 χ^2/NDF:1927773.9/38

Out: 91.796+/-0.013 χ^2/NDF:2285375.7/42

All: 92.585+/-0.009 χ^2/NDF: 4220838.5/81

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: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -337.535+/-112.652 χ^2/NDF: 86.3/46

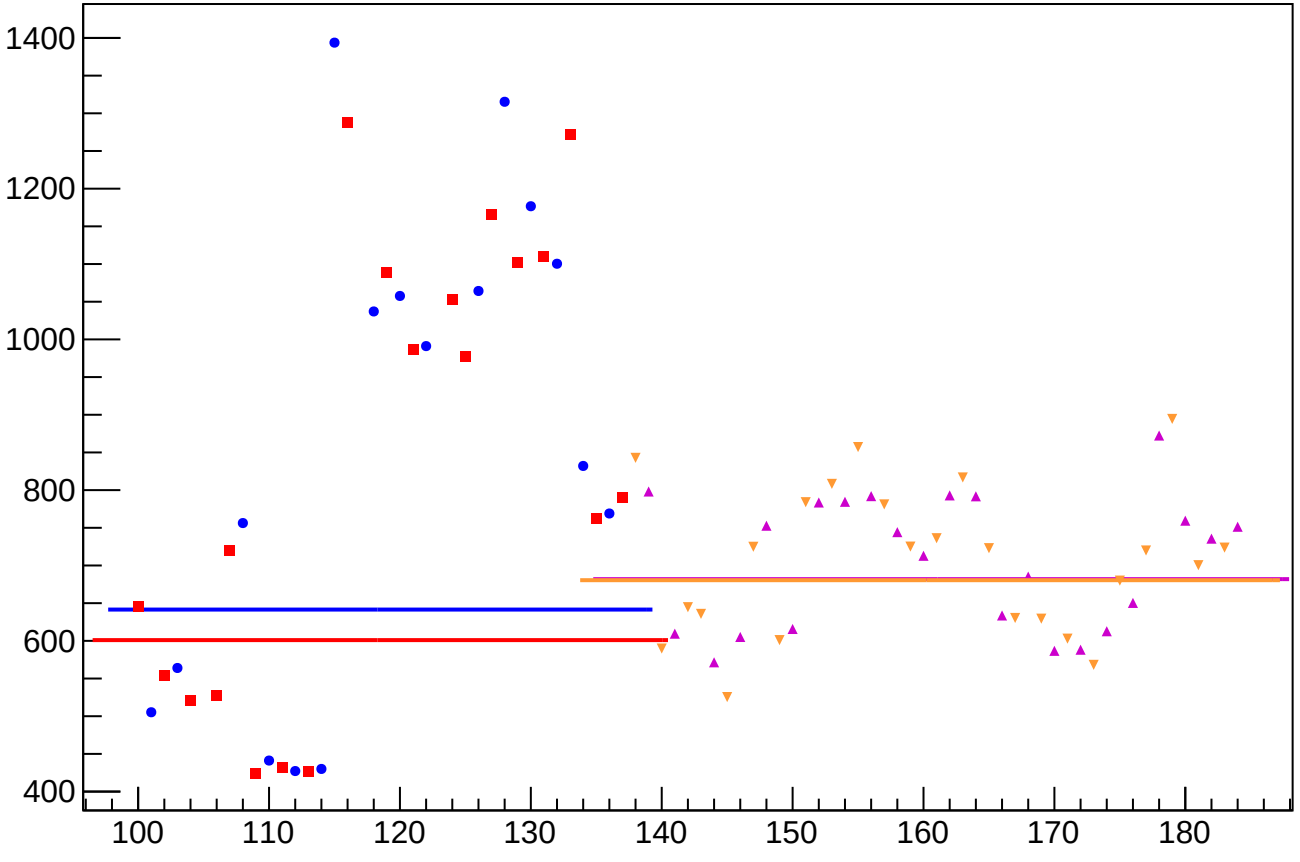
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 74.474+/-136.432 χ^2/NDF:45.8/38

Out: -369.836+/-131.561 χ^2/NDF:81.3/42

All: -155.754+/-94.703 χ^2/NDF: 132.6/81

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: 681.893+/-0.114 χ^2/NDF:573813.6/22

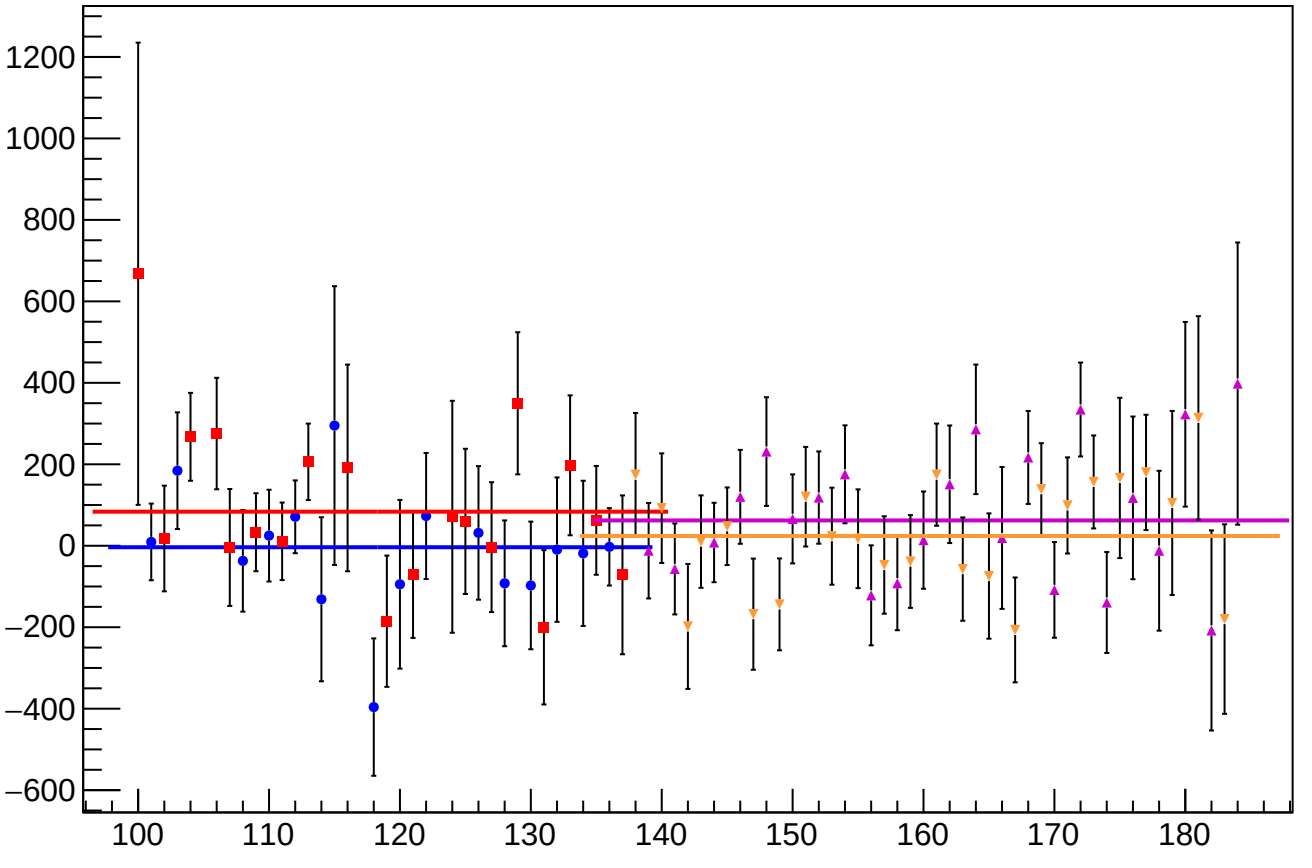
Left: 681.178+/-0.080 χ^2/NDF: 1302952.4/46

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 670.512+/-0.096 χ^2/NDF:2484232.7/38

Out: 656.324+/-0.093 χ^2/NDF:2960855.5/42

All: 663.160+/-0.067 χ^2/NDF: 5456295.7/81



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: 62.169+/-27.339 χ^2/NDF:27.3/22

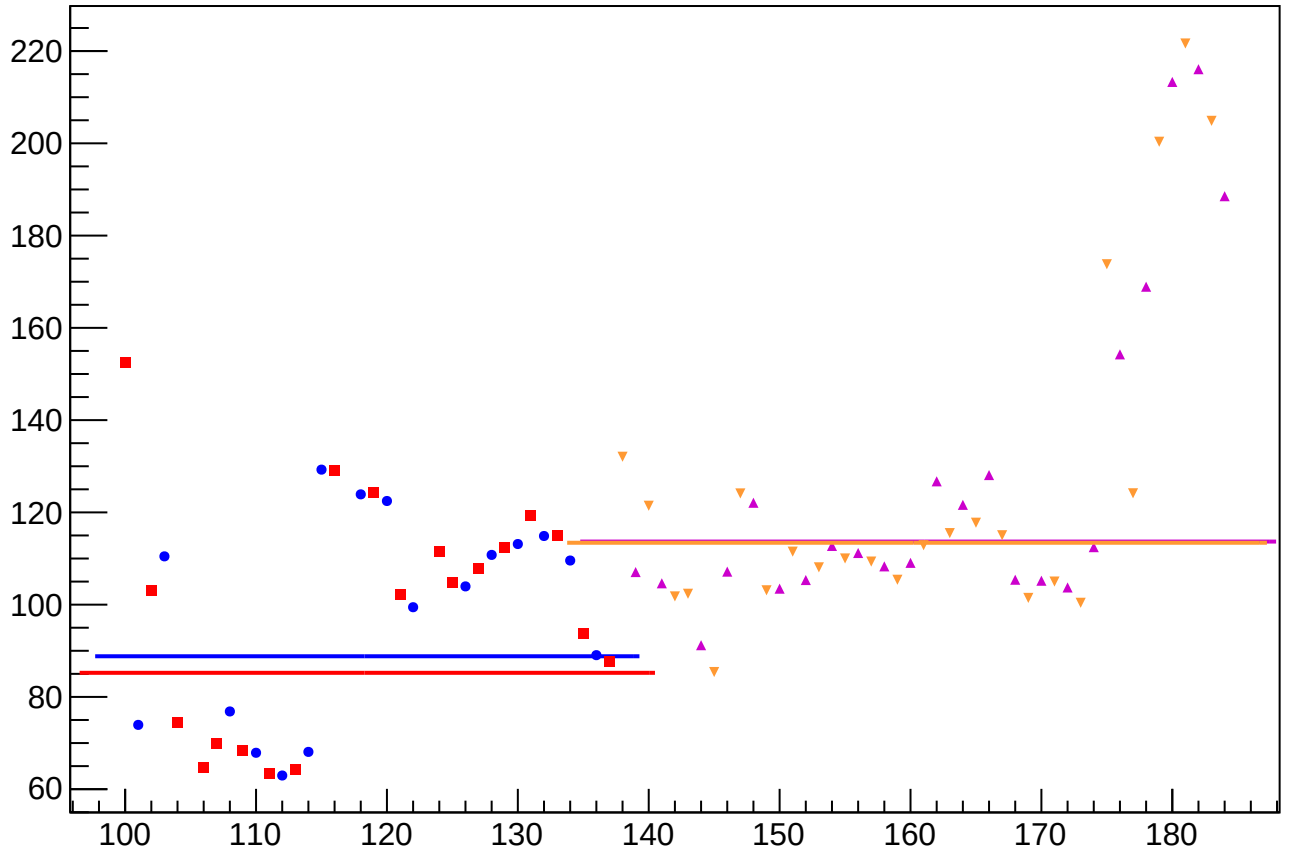
Left: 42.671+/-19.114 χ^2/NDF: 49.5/46

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 36.470+/-21.343 χ^2/NDF:39.9/38

Out: 47.982+/-20.680 χ^2/NDF:42.2/42

All: 42.408+/-14.852 χ^2/NDF: 82.3/81



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: 113.677+/-0.019 χ^2/NDF:1316044.6/22

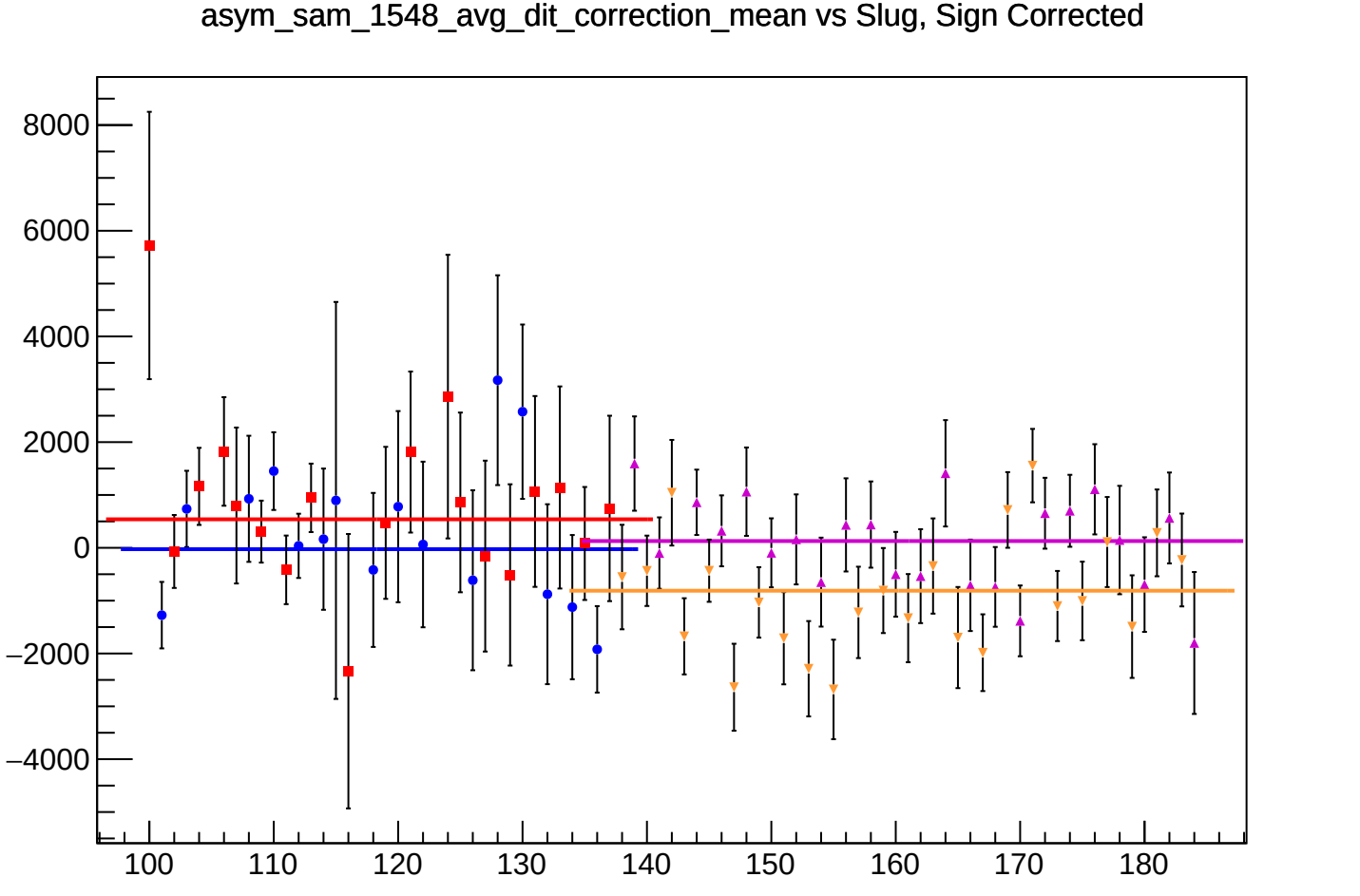
Left: 113.545+/-0.014 χ^2/NDF: 2846134.2/46

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

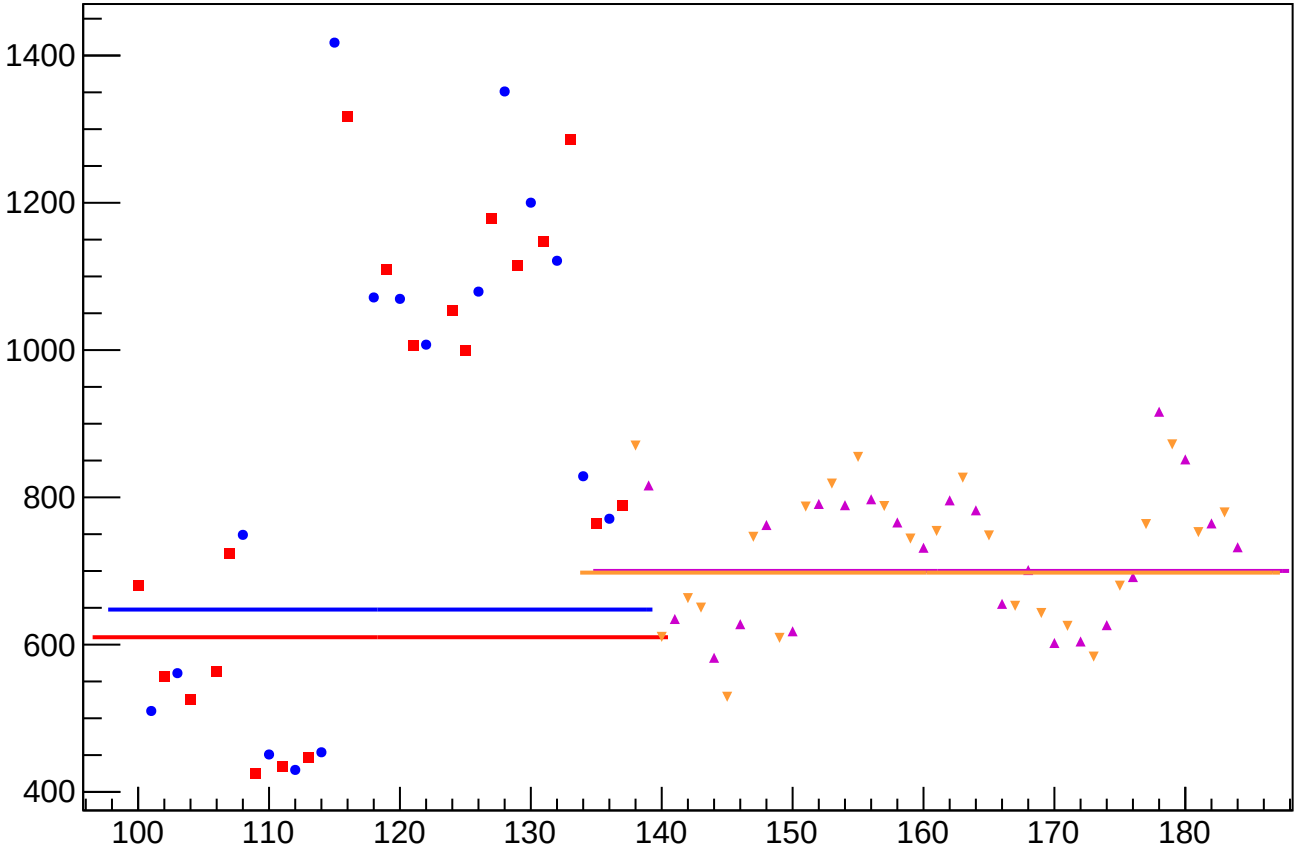
In: 103.967+/-0.015 χ^2/NDF:2686688.0/38

Out: 102.095+/-0.015 χ^2/NDF:3307383.4/42

All: 103.001+/-0.011 χ^2/NDF: 6002002.0/81


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: 128.155+/-165.255 χ²/NDF:22.7/22
Left: -352.749+/-115.498 χ²/NDF: 82.3/46
Right: 277.418+/-176.654 χ²/NDF: 37.7/34
In: 83.719+/-139.375 χ²/NDF:44.5/38
Out: -393.726+/-134.196 χ²/NDF:78.4/42
All: -164.039+/-96.670 χ²/NDF: 129.0/81

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: 700.079+/-0.117 χ^2/NDF:584318.7/22

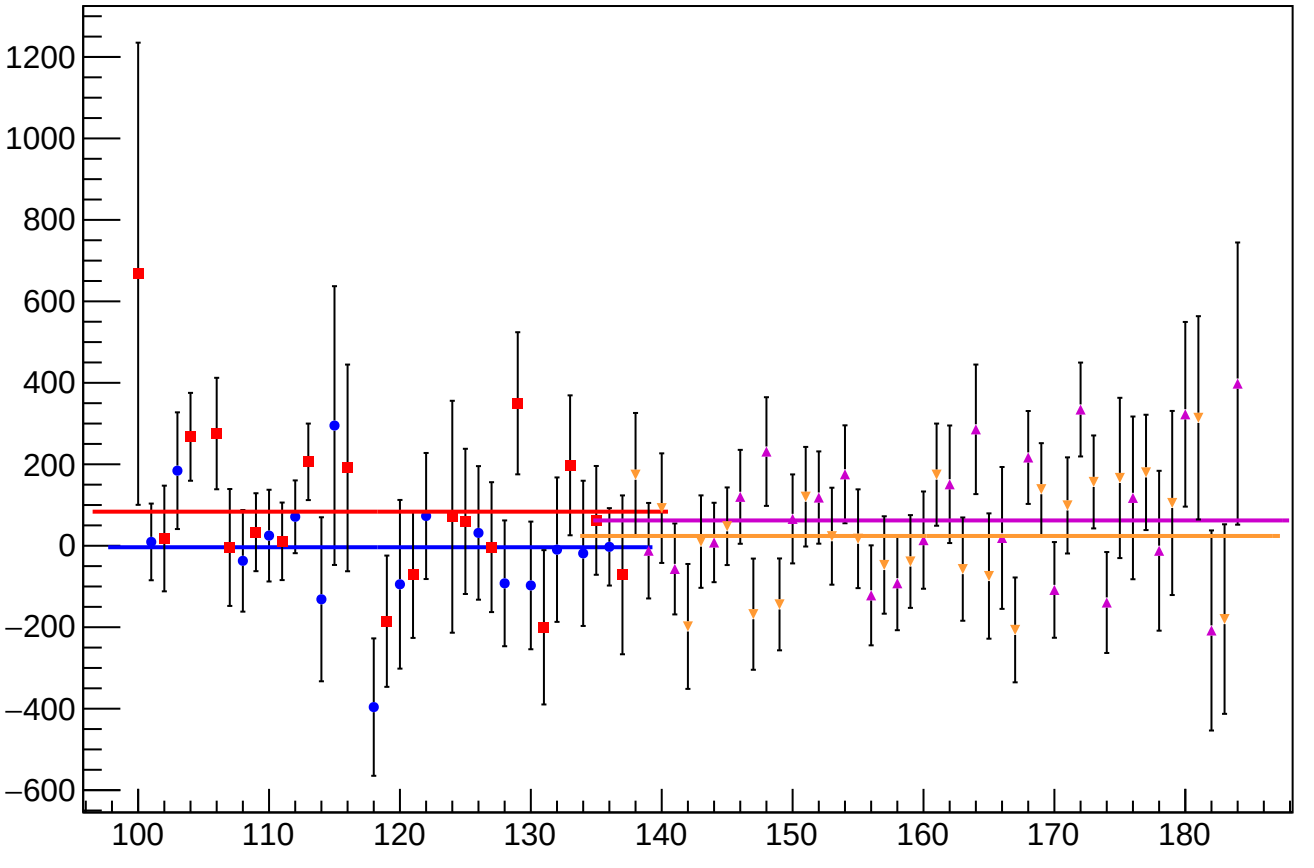
Left: 698.915+/-0.082 χ^2/NDF: 1298036.4/46

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 684.941+/-0.099 χ^2/NDF:2530271.2/38

Out: 670.651+/-0.095 χ^2/NDF:2970477.0/42

All: 677.526+/-0.068 χ^2/NDF: 5511657.8/81



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: 62.169+/-27.339 χ^2/NDF:27.3/22

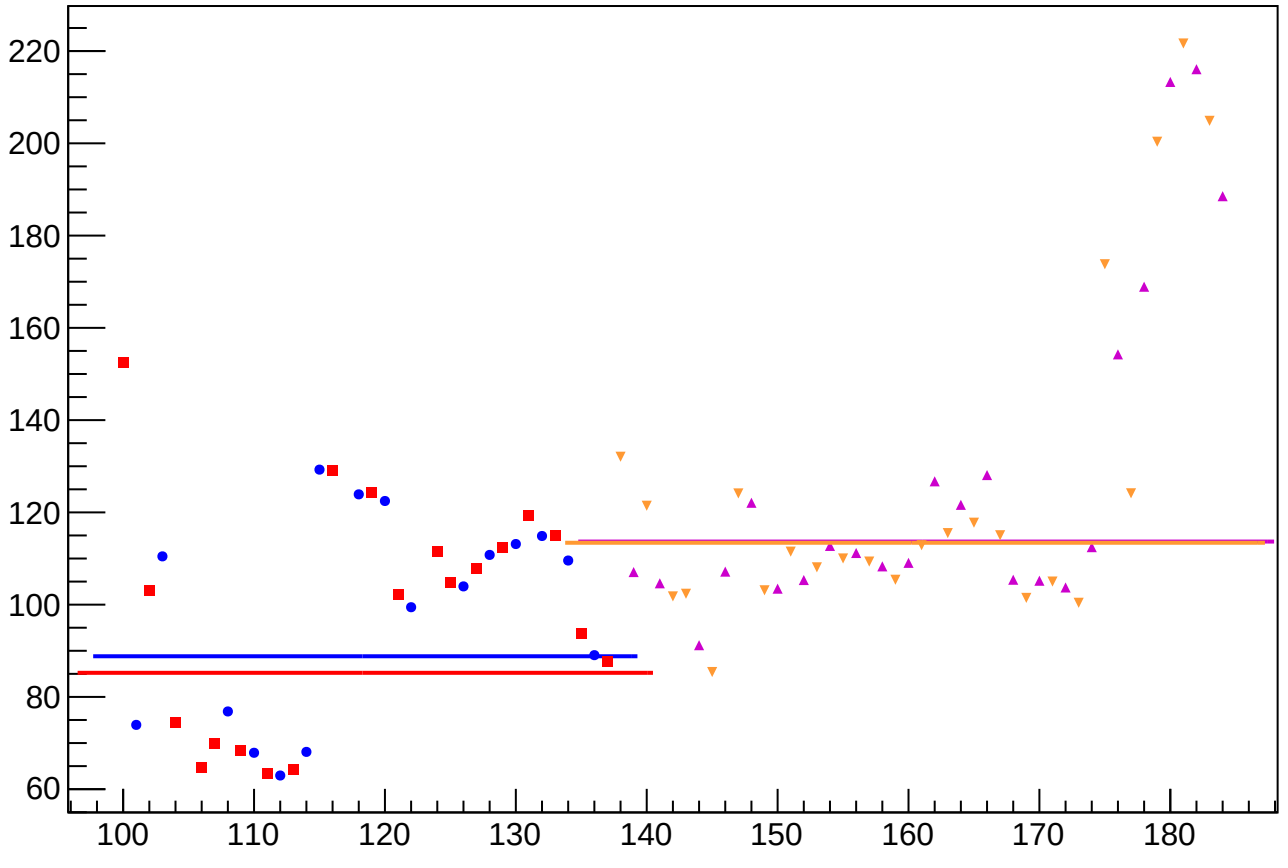
Left: 42.671+/-19.114 χ^2/NDF: 49.5/46

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 36.471+/-21.343 χ^2/NDF:39.9/38

Out: 47.983+/-20.680 χ^2/NDF:42.2/42

All: 42.408+/-14.852 χ^2/NDF: 82.3/81



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: 113.677+/-0.019 χ^2/NDF:1316023.5/22

Left: 113.545+/-0.014 χ^2/NDF: 2846105.2/46

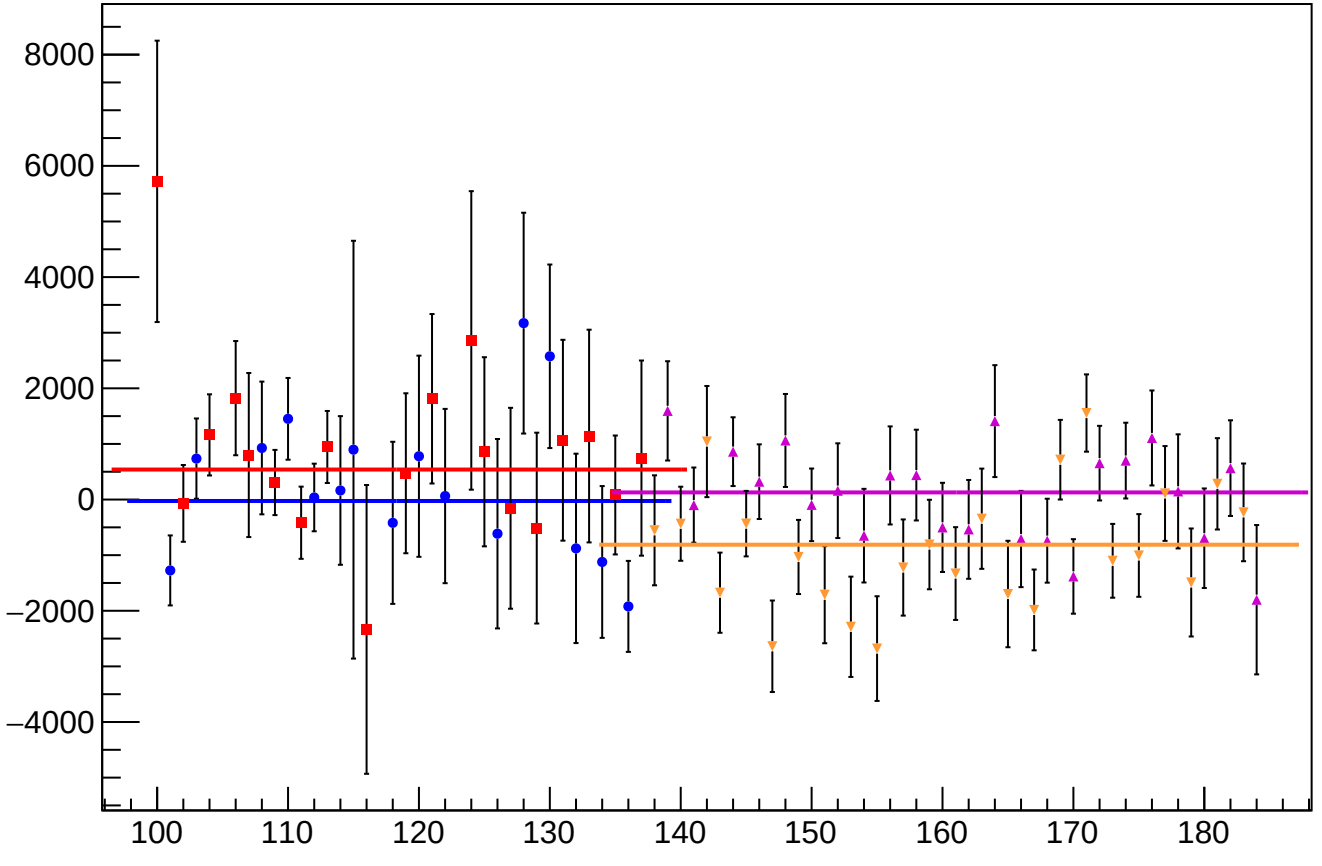
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 103.967+/-0.015 χ^2/NDF:2686675.6/38

Out: 102.095+/-0.015 χ^2/NDF:3307387.0/42

All: 103.001+/-0.011 χ^2/NDF: 6001993.5/81

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: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -352.748+/-115.498 χ^2/NDF: 82.3/46

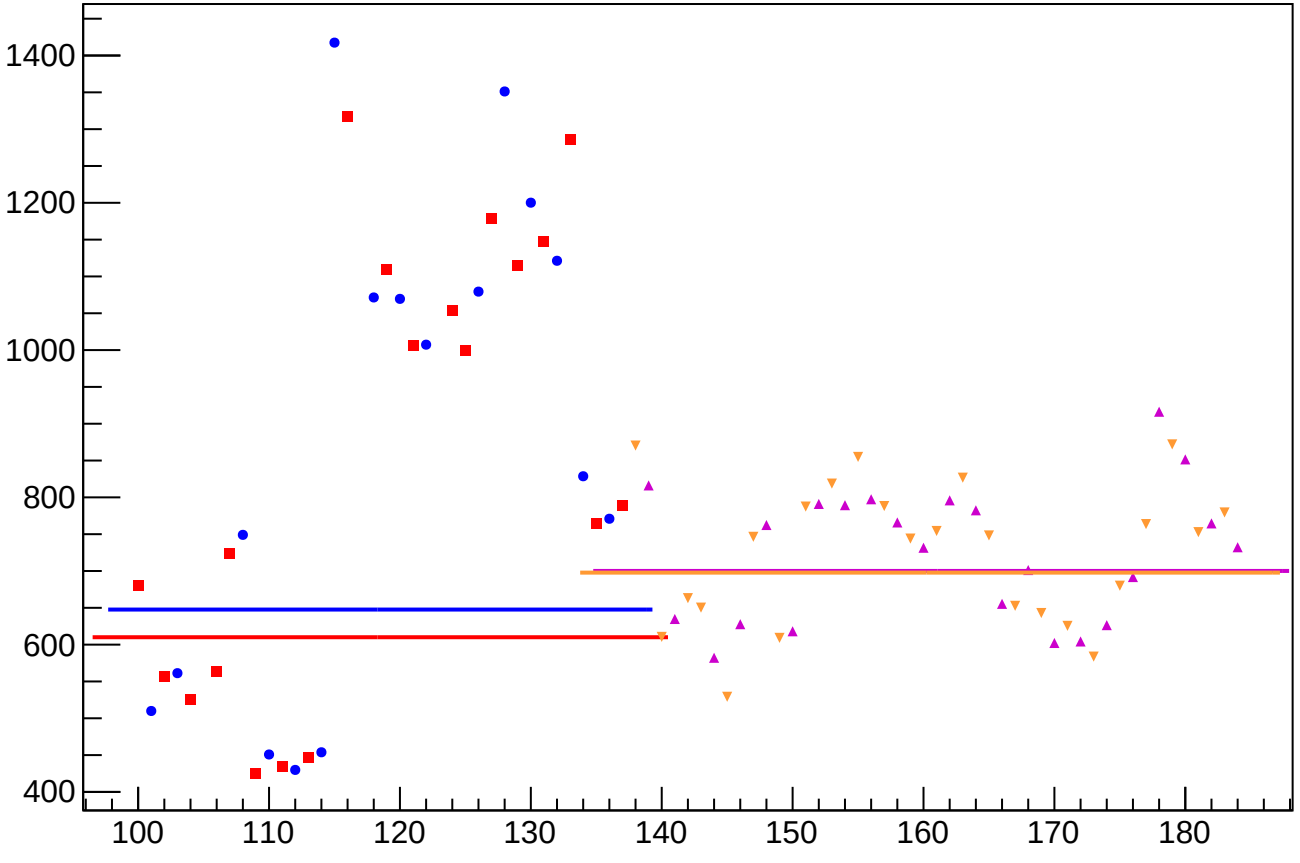
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 83.718+/-139.375 χ^2/NDF:44.5/38

Out: -393.725+/-134.196 χ^2/NDF:78.4/42

All: -164.039+/-96.670 χ^2/NDF: 129.0/81

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: 700.079+/-0.117 χ^2/NDF:584314.1/22

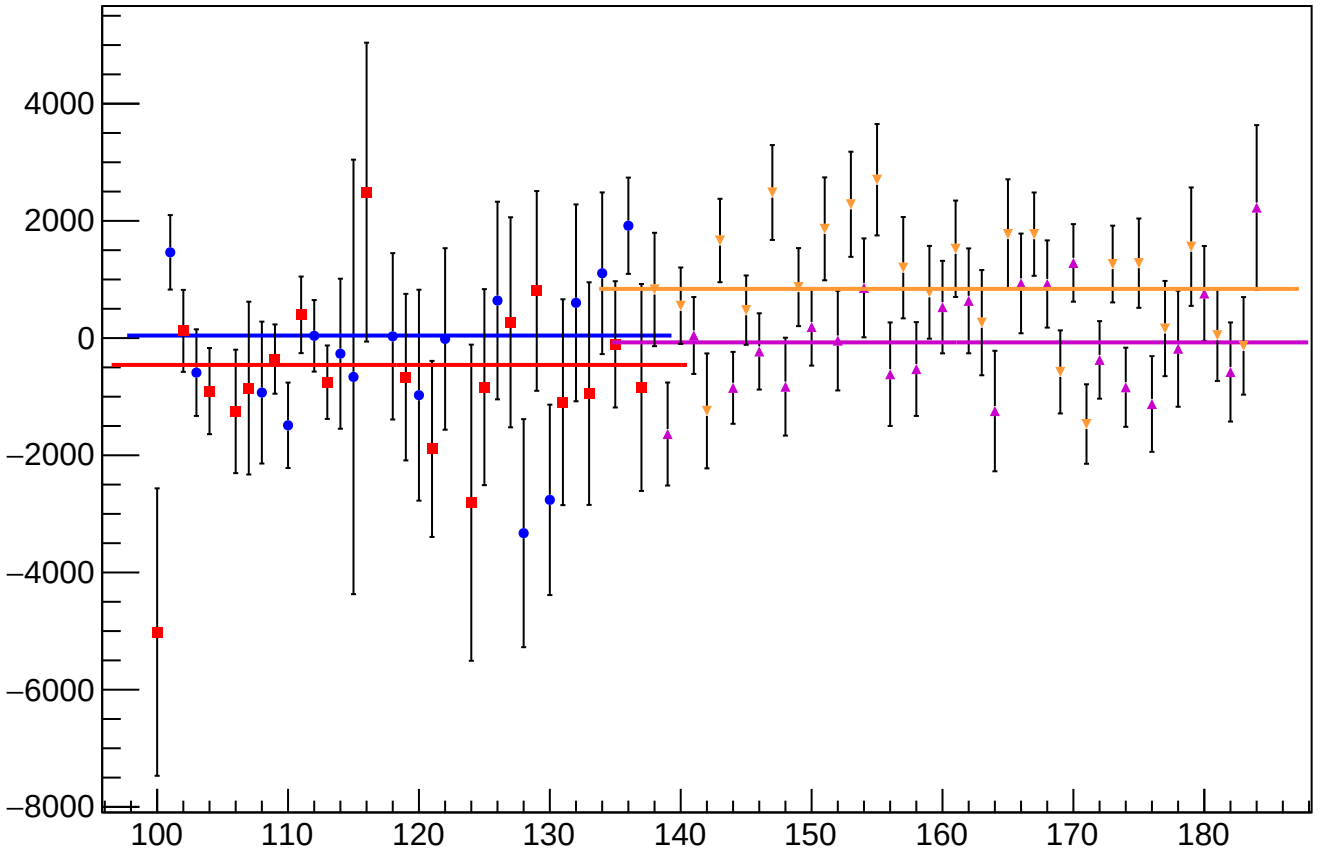
Left: 698.914+/-0.082 χ^2/NDF: 1298030.2/46

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 684.940+/-0.099 χ^2/NDF:2530271.7/38

Out: 670.650+/-0.095 χ^2/NDF:2970478.3/42

All: 677.525+/-0.068 χ^2/NDF: 5511659.9/81



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: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 392.492+/-113.971 χ^2/NDF: 83.2/46

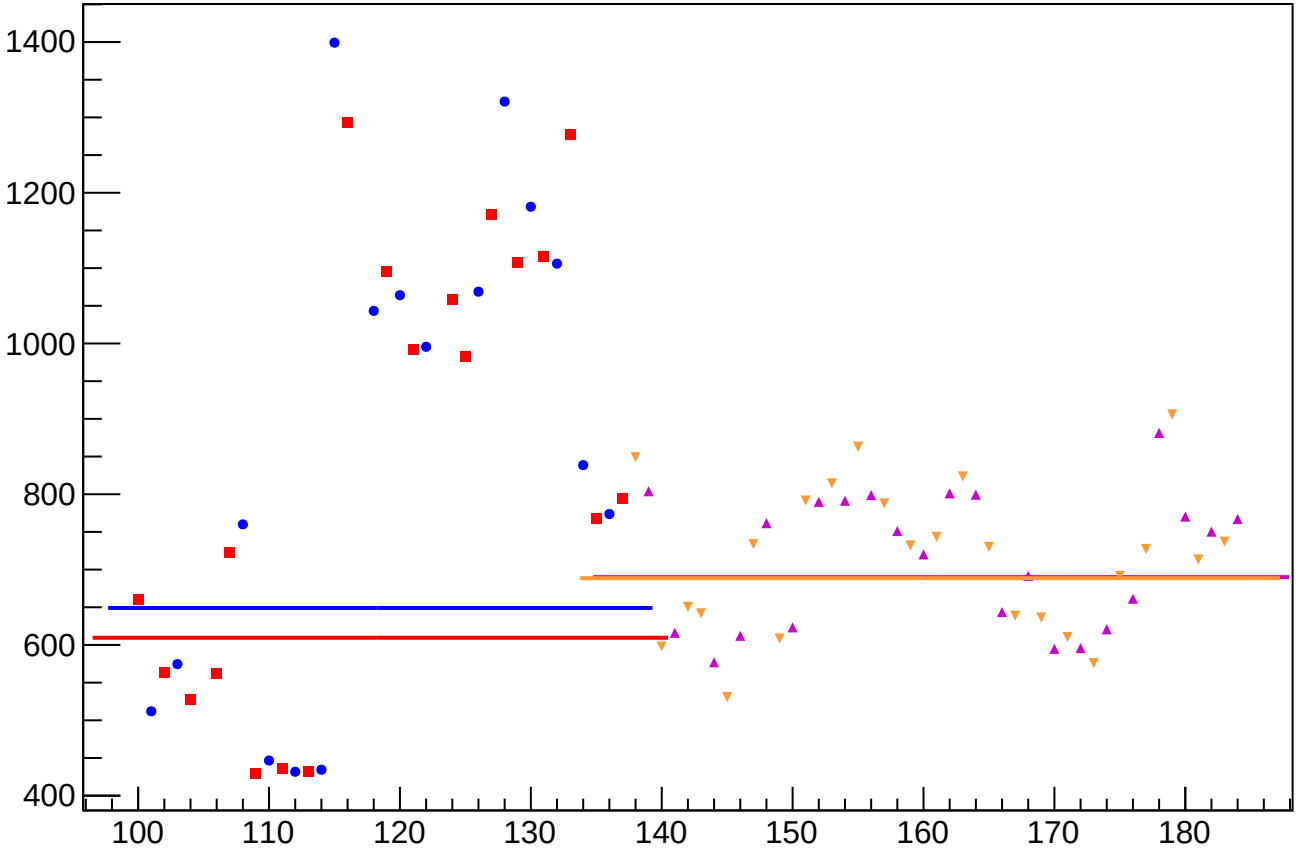
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -40.586+/-138.000 χ^2/NDF:48.3/38

Out: 444.430+/-133.046 χ^2/NDF:73.7/42

All: 210.783+/-95.782 χ^2/NDF: 128.3/81

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: 689.997+/-0.115 χ^2/NDF:567089.0/22

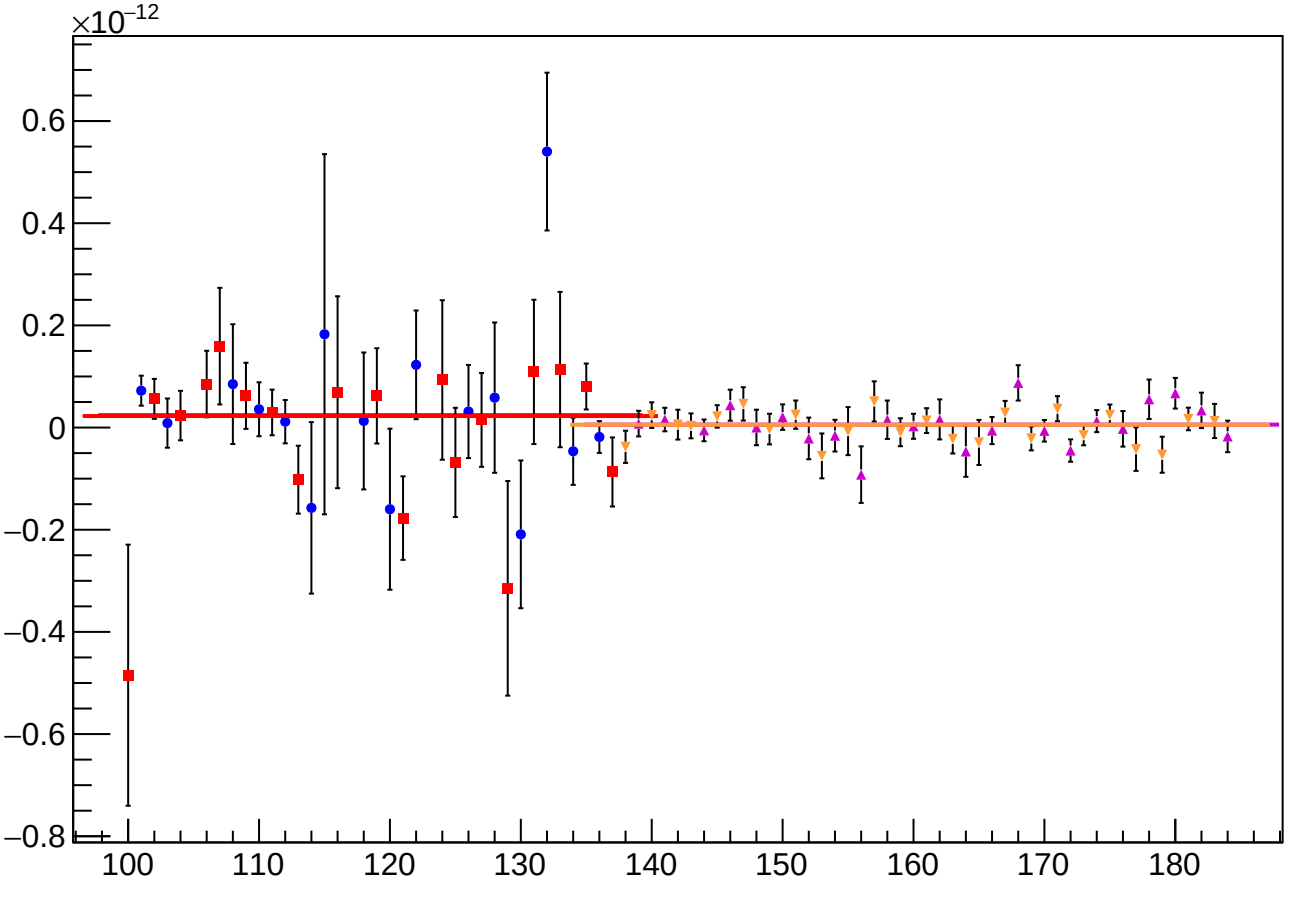
Left: 689.276+/-0.081 χ^2/NDF: 1287006.7/46

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 678.455+/-0.098 χ^2/NDF:2448498.1/38

Out: 664.510+/-0.094 χ^2/NDF:2913017.0/42

All: 671.228+/-0.068 χ^2/NDF: 5372098.7/81



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:26.4/22

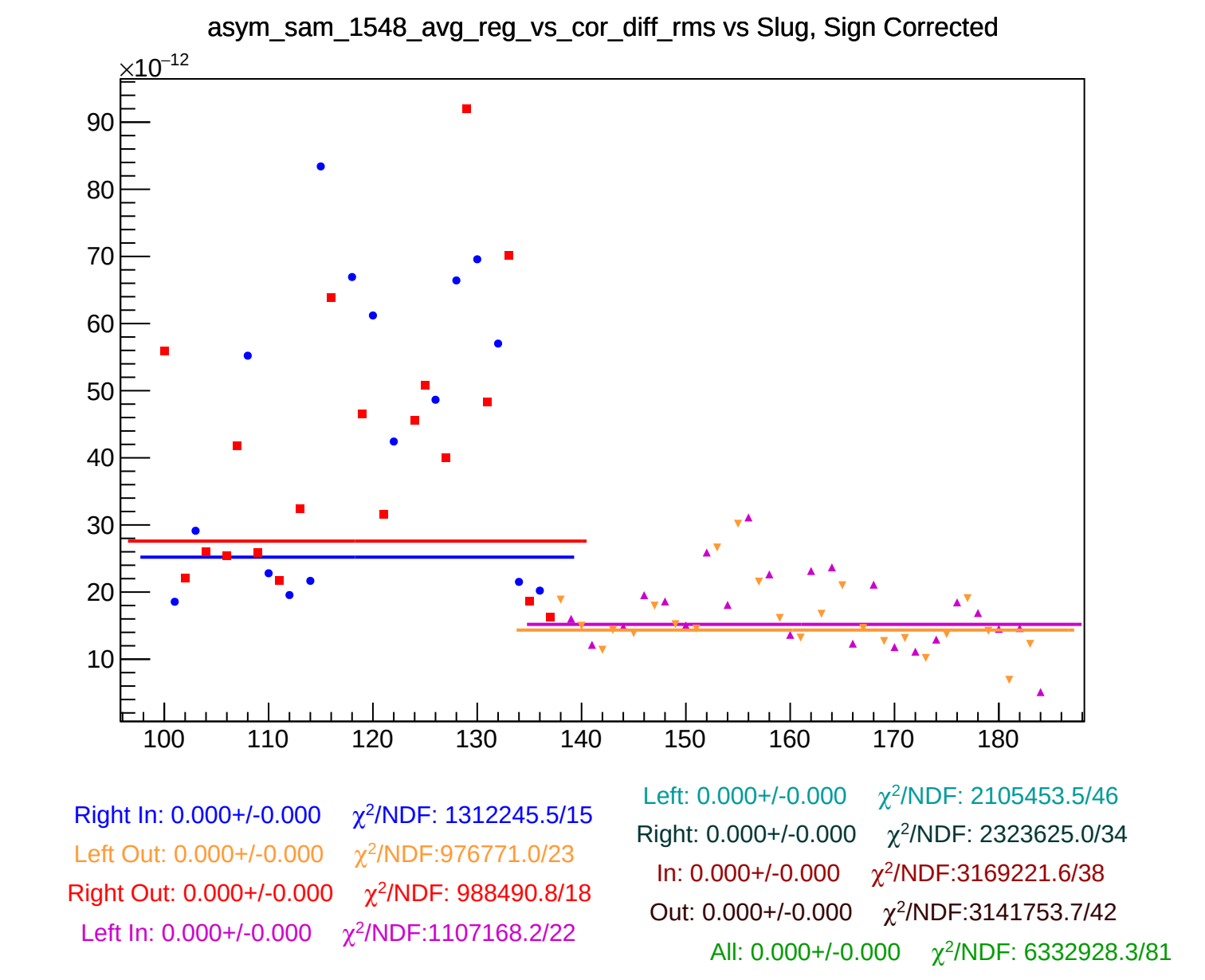
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

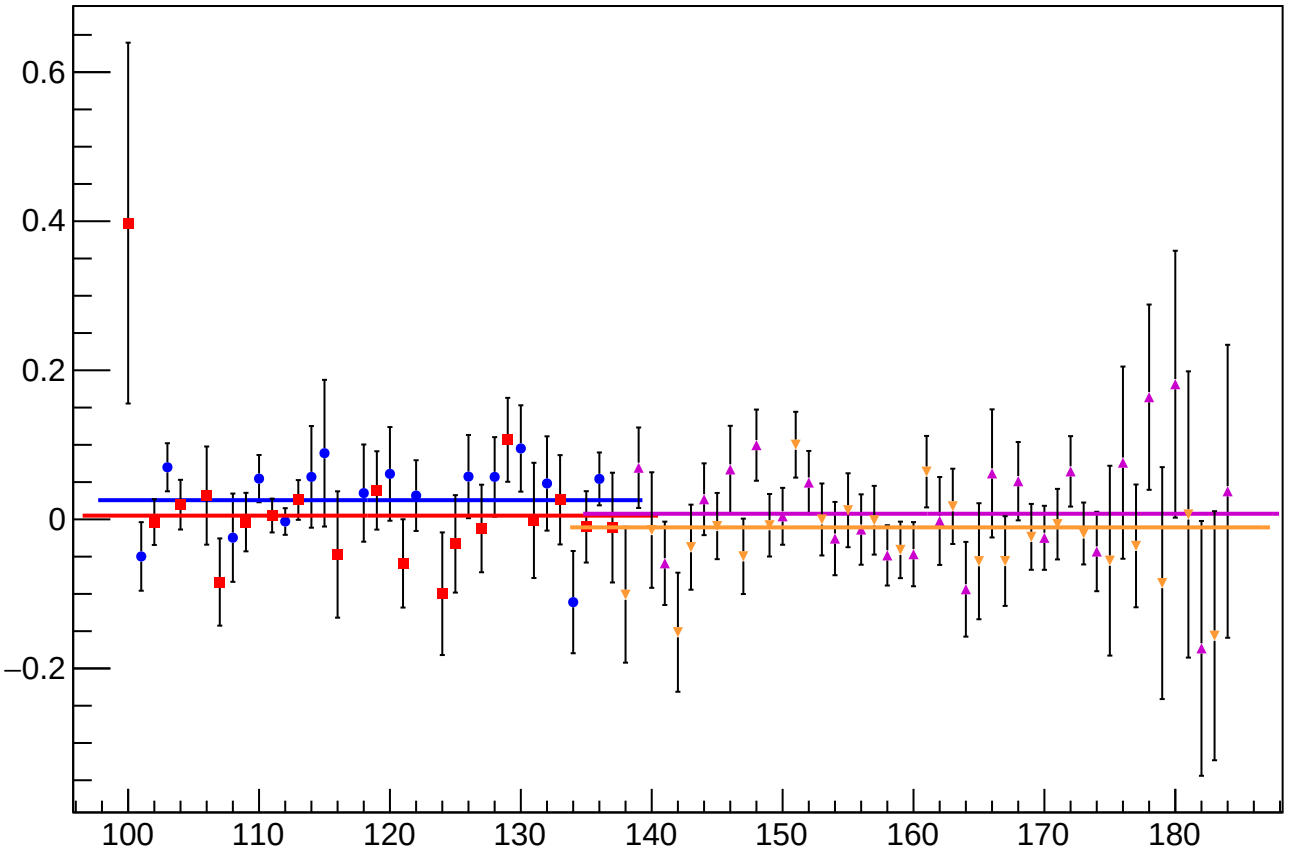
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:51.3/38

Out: 0.000+/-0.000 χ^2/NDF:47.4/42

All: 0.000+/-0.000 χ^2/NDF: 98.7/81


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:976771.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:1107168.2/22
Left: 0.000+/-0.000 χ²/NDF: 2105453.5/46
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:3169221.6/38
Out: 0.000+/-0.000 χ²/NDF:3141753.7/42
All: 0.000+/-0.000 χ²/NDF: 6332928.3/81



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: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.002+/-0.008 χ^2/NDF: 41.7/46

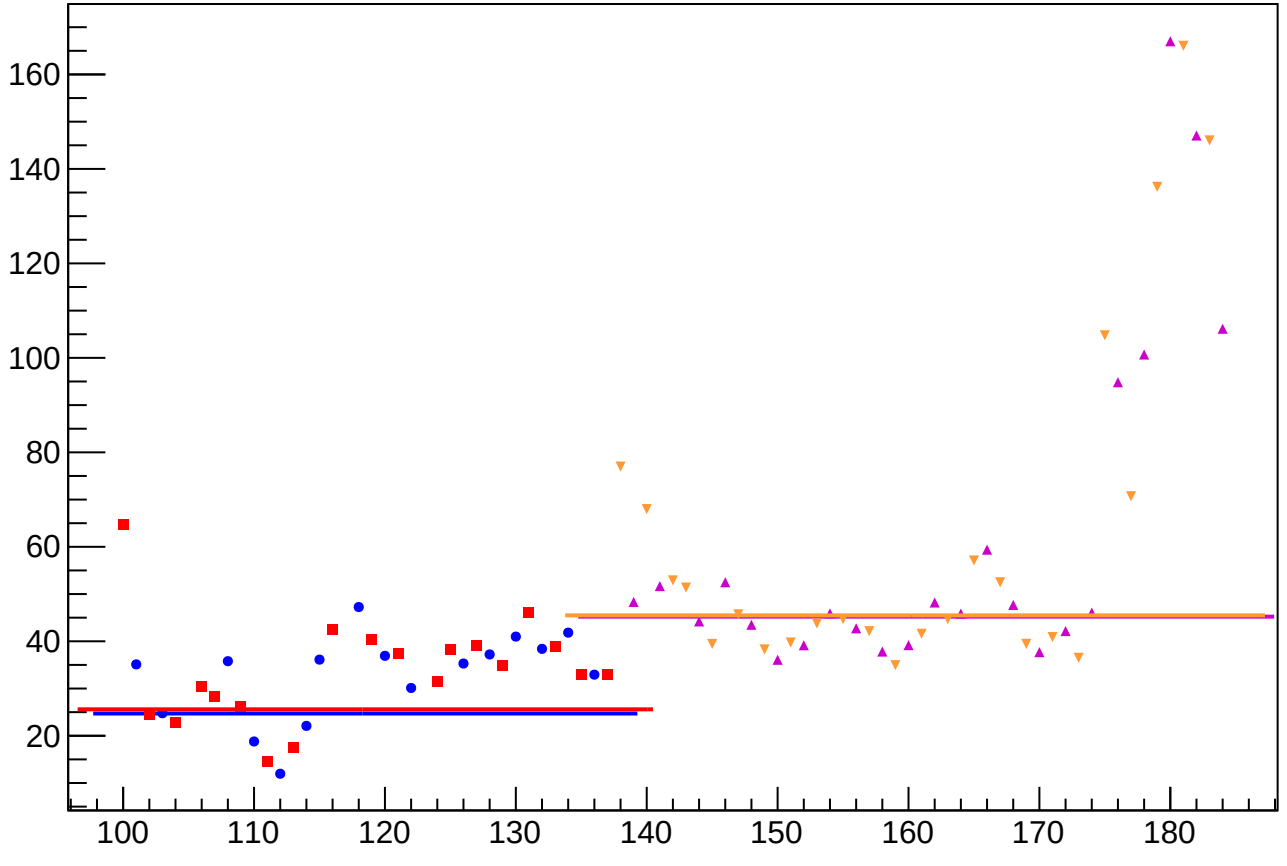
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:41.2/38

Out: -0.002+/-0.008 χ^2/NDF:31.8/42

All: 0.008+/-0.005 χ^2/NDF: 76.3/81

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: 45.217+/-0.008 χ^2/NDF:2992534.4/22

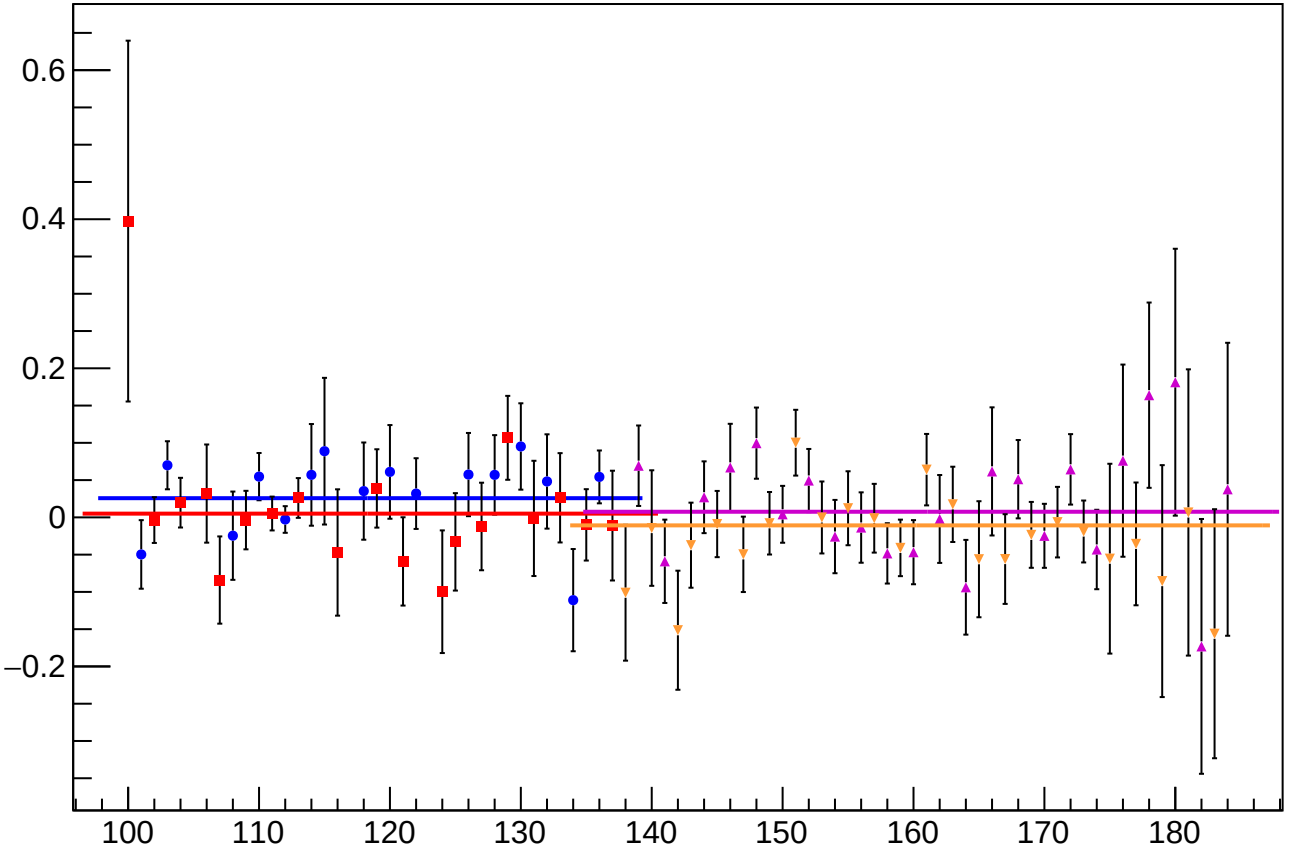
Left: 45.353+/-0.006 χ^2/NDF: 6786449.6/46

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.970+/-0.005 χ^2/NDF:8827074.8/38

Out: 34.682+/-0.005 χ^2/NDF:8773130.6/42

All: 34.328+/-0.004 χ^2/NDF: 17608868.5/81



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: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.002+/-0.008 χ^2/NDF: 41.7/46

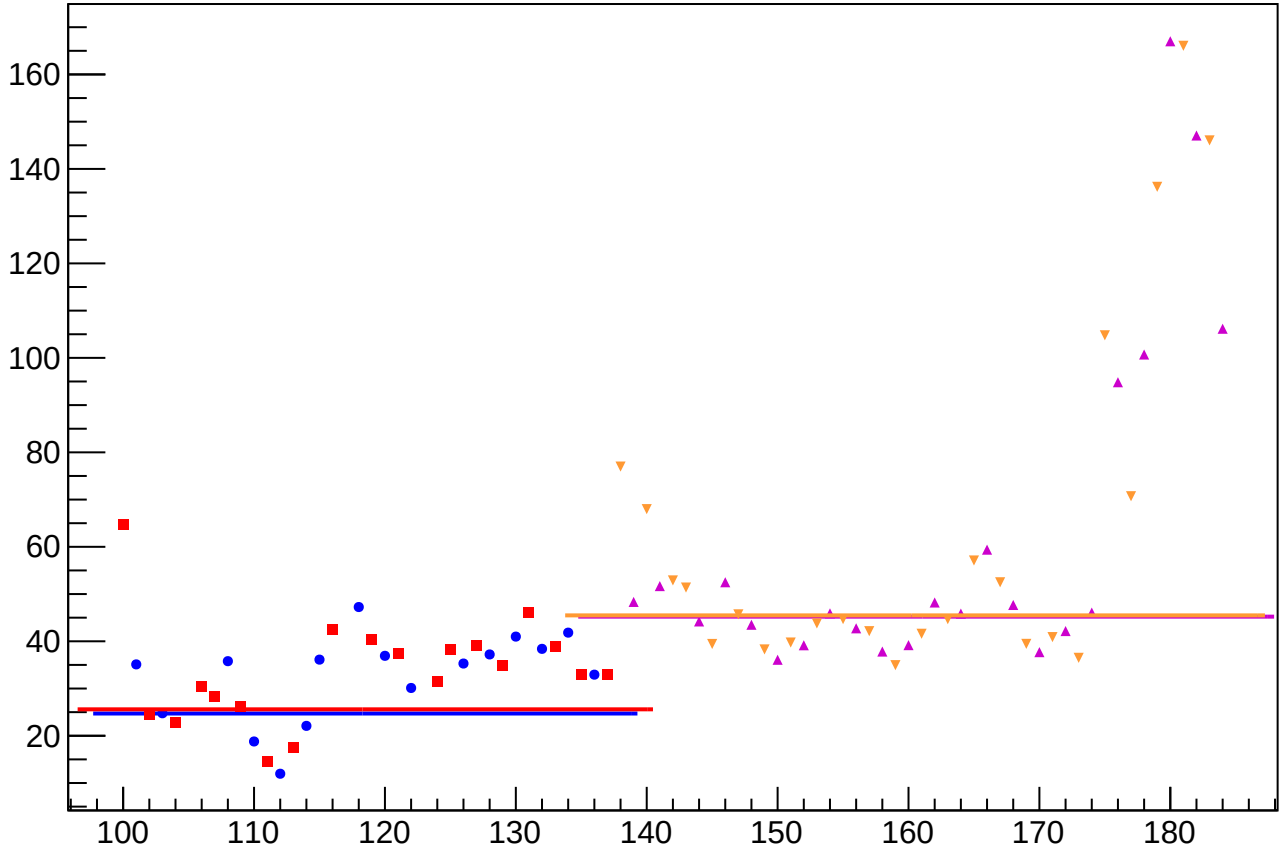
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:41.2/38

Out: -0.002+/-0.008 χ^2/NDF:31.8/42

All: 0.008+/-0.005 χ^2/NDF: 76.3/81

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.486+/-0.008 χ^2/NDF:3793353.1/23

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

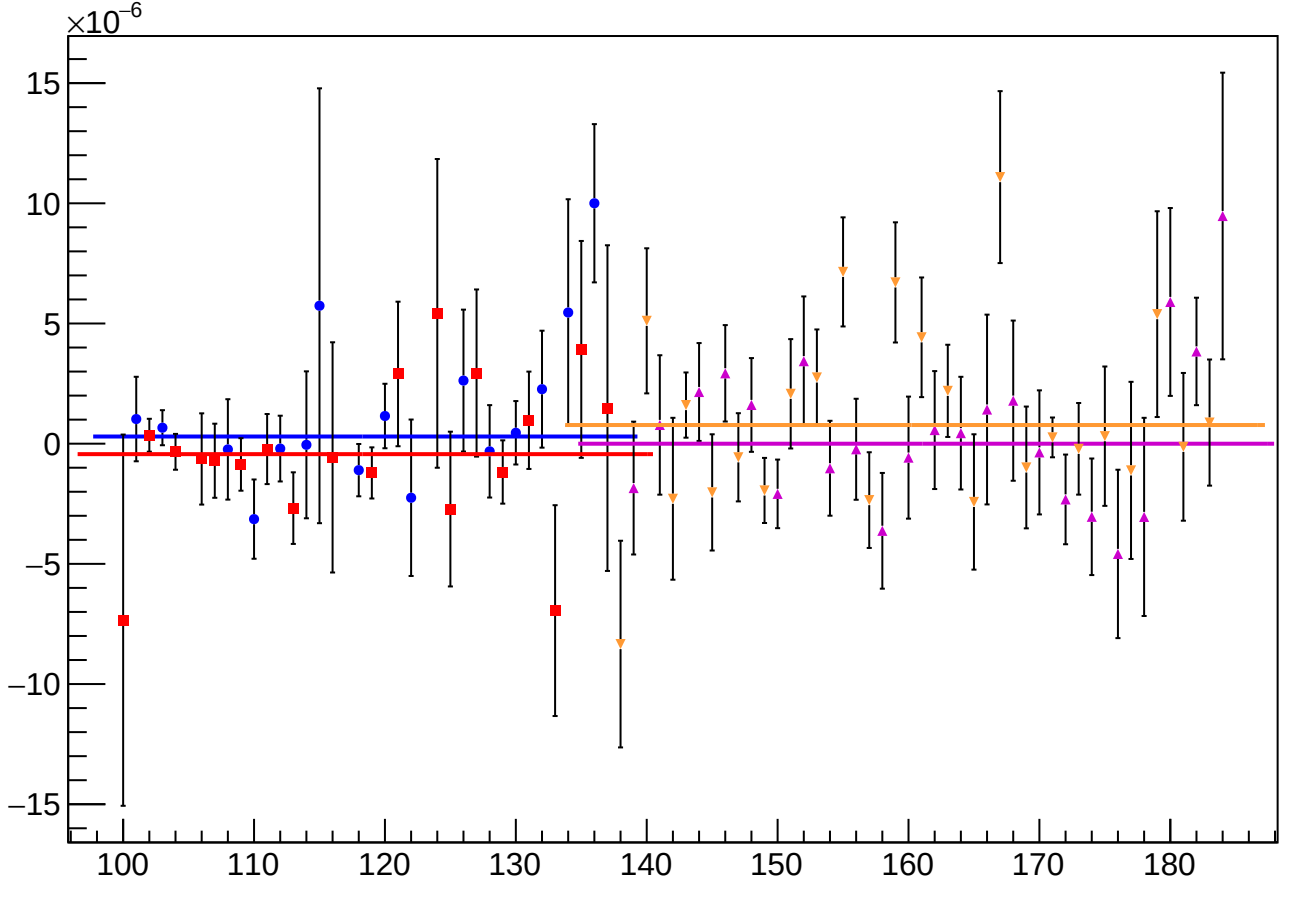
Left: 45.353+/-0.006 χ^2/NDF: 6786449.6/46

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.970+/-0.005 χ^2/NDF:8827074.8/38

Out: 34.682+/-0.005 χ^2/NDF:8773130.6/42

All: 34.328+/-0.004 χ^2/NDF: 17608868.5/81



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:24.5/22

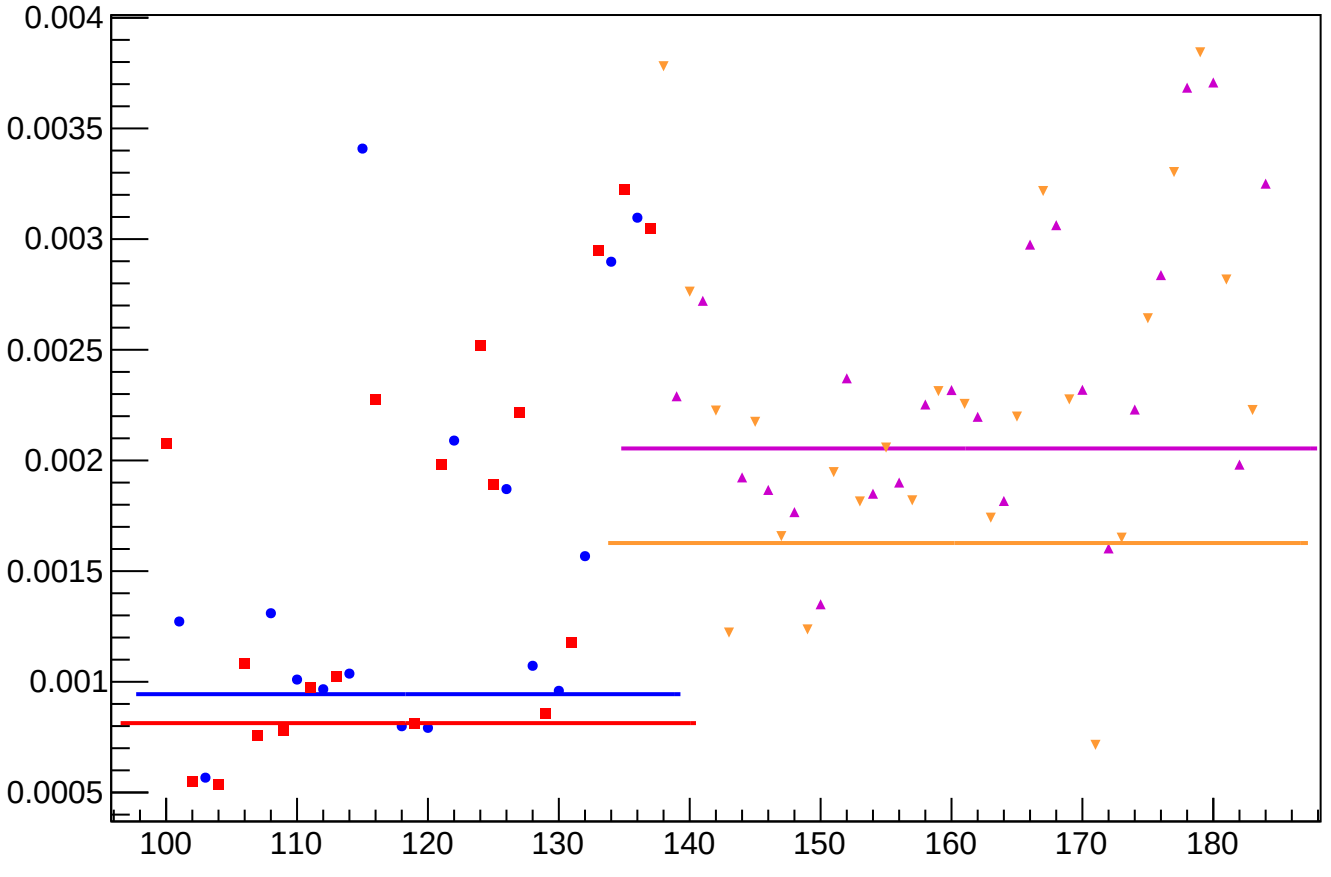
Left: 0.000+/-0.000 χ^2/NDF: 71.8/46

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:44.0/38

Out: 0.000+/-0.000 χ^2/NDF:63.8/42

All: 0.000+/-0.000 χ^2/NDF: 107.8/81



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:2093048.8/22

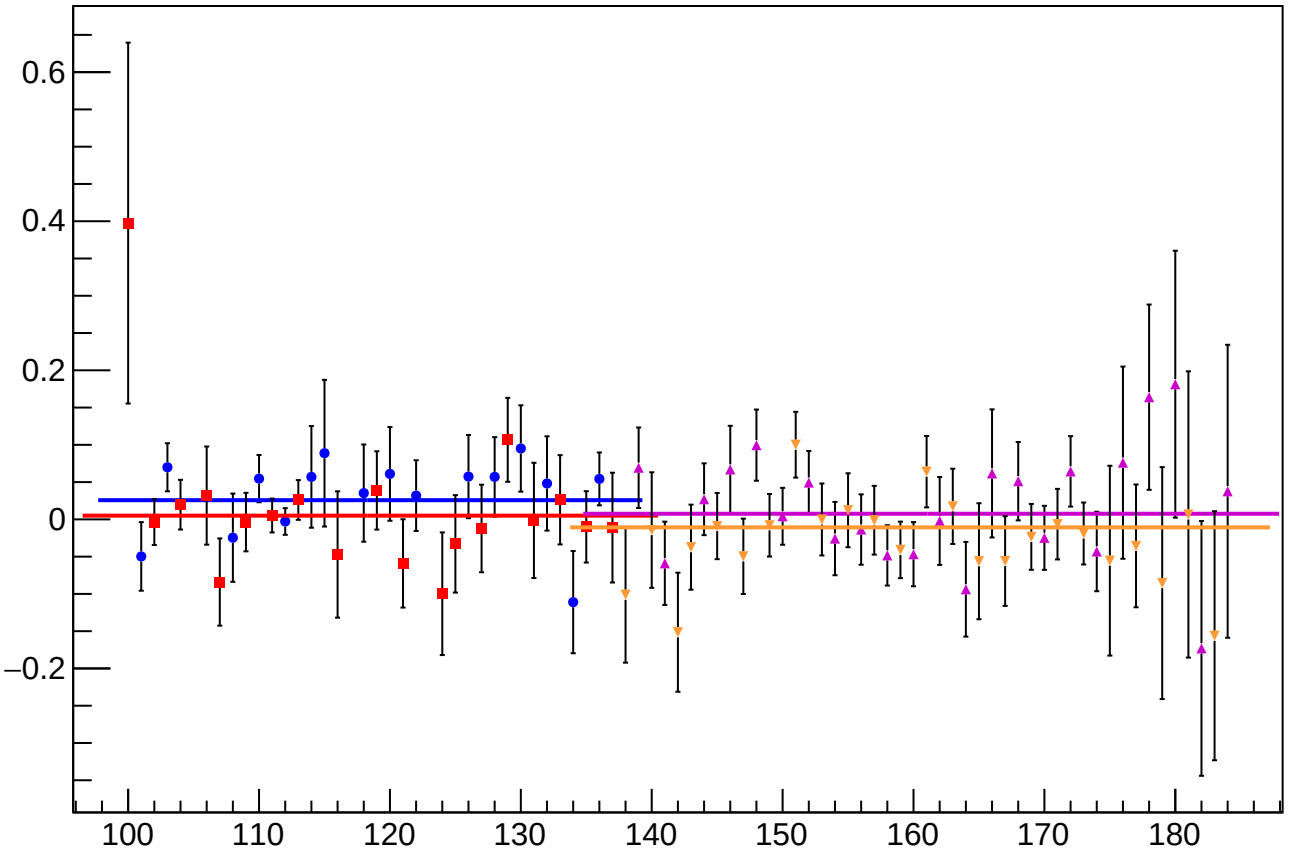
Left: 0.002+/-0.000 χ^2/NDF: 9325715.3/46

Right: 0.001+/-0.000 χ^2/NDF: 6033376.9/34

In: 0.001+/-0.000 χ^2/NDF:10744752.6/38

Out: 0.001+/-0.000 χ^2/NDF:14234417.4/42

All: 0.001+/-0.000 χ^2/NDF: 25633812.4/81



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: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.002+/-0.008 χ^2/NDF: 41.7/46

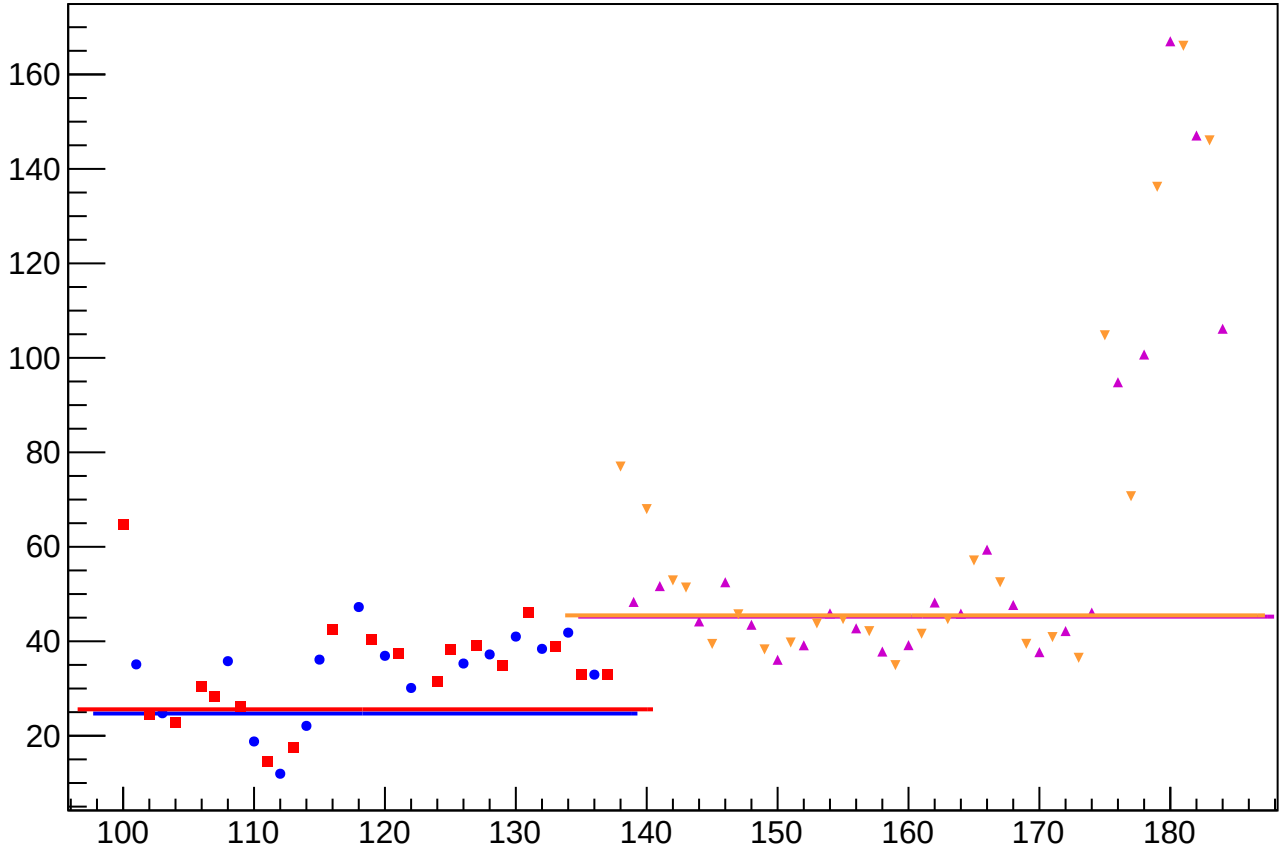
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:41.2/38

Out: -0.002+/-0.008 χ^2/NDF:31.8/42

All: 0.008+/-0.005 χ^2/NDF: 76.3/81

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: 45.218+/-0.008 χ^2/NDF:2992449.1/22

Left: 45.354+/-0.006 χ^2/NDF: 6786292.8/46

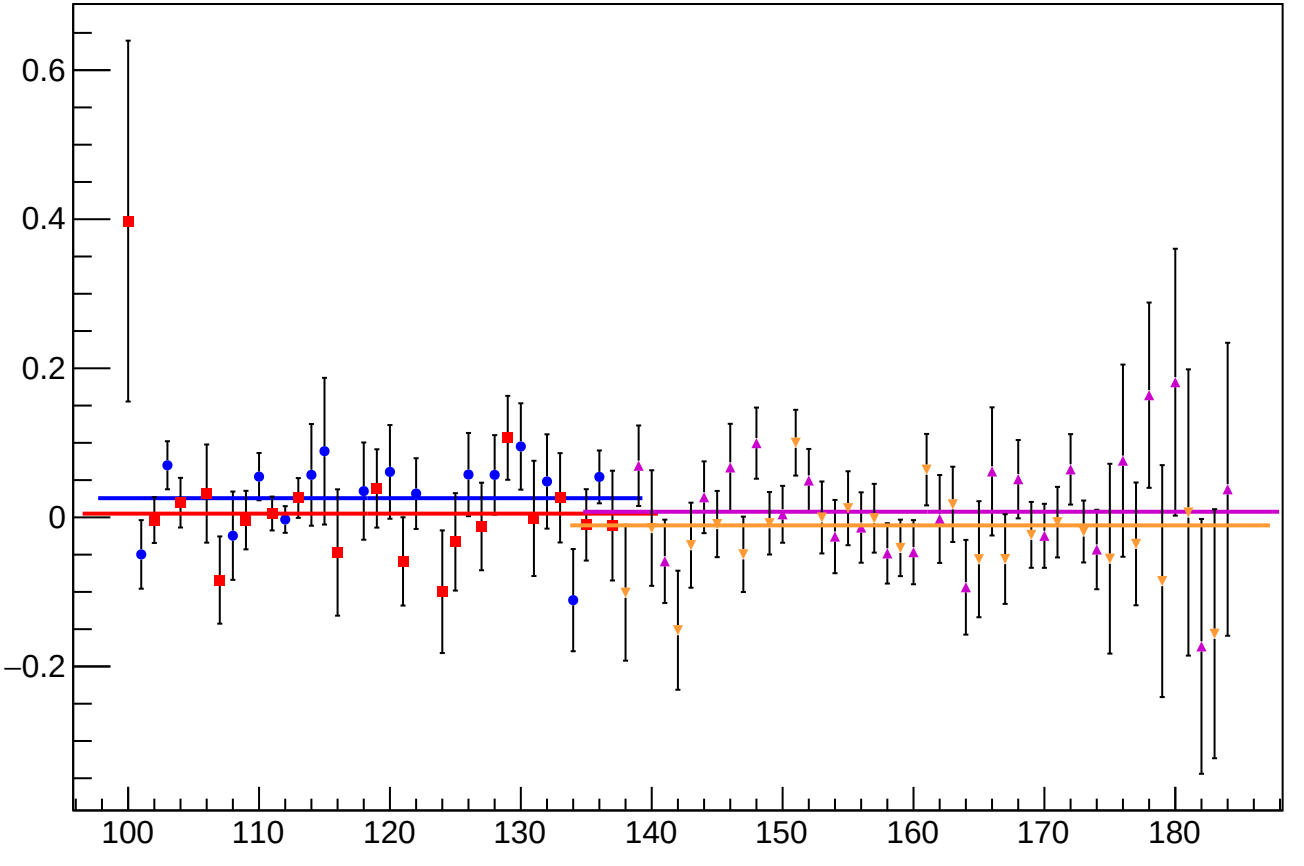
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 33.969+/-0.005 χ^2/NDF:8827524.7/38

Out: 34.681+/-0.005 χ^2/NDF:8773485.9/42

All: 34.327+/-0.004 χ^2/NDF: 17609677.0/81

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.011 χ^2/NDF:17.1/23

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.002+/-0.008 χ^2/NDF: 41.7/46

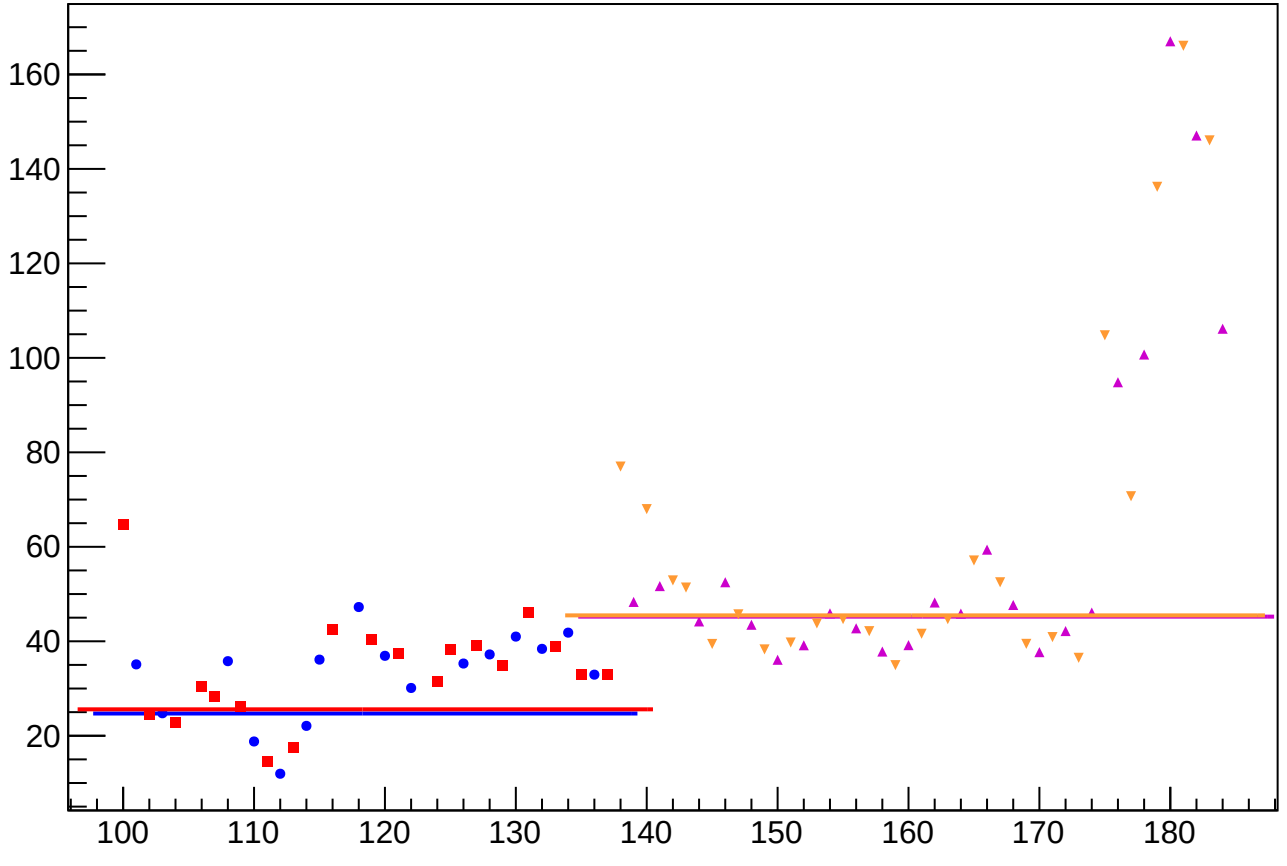
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:41.2/38

Out: -0.002+/-0.008 χ^2/NDF:31.8/42

All: 0.008+/-0.005 χ^2/NDF: 76.3/81

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: 45.218+/-0.008 χ^2/NDF:2992449.1/22

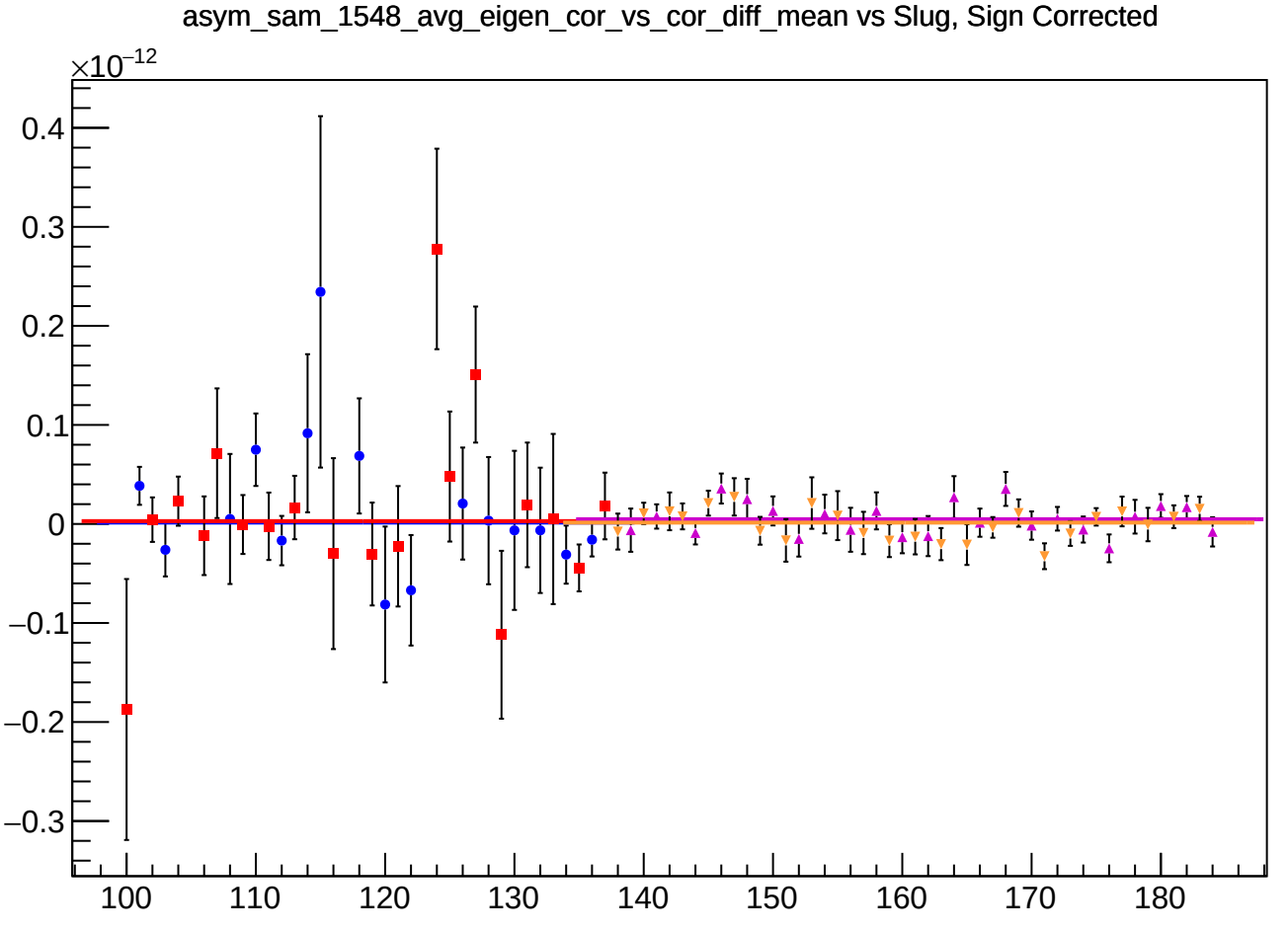
Left: 45.354+/-0.006 χ^2/NDF: 6786292.8/46

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 33.969+/-0.005 χ^2/NDF:8827524.7/38

Out: 34.681+/-0.005 χ^2/NDF:8773485.9/42

All: 34.327+/-0.004 χ^2/NDF: 17609677.0/81



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

Left: 0.000+/-0.000 χ^2/NDF: 47.8/46

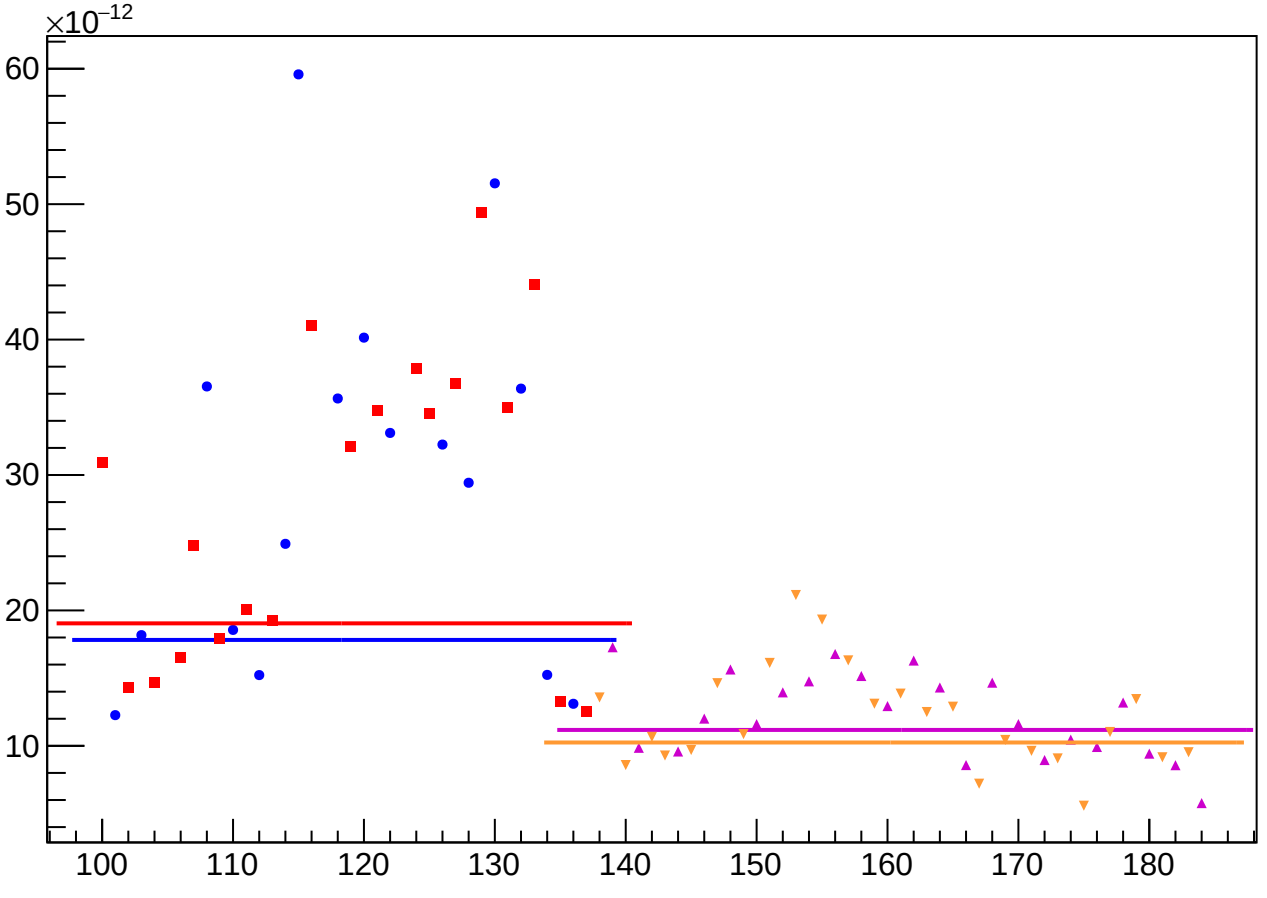
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:42.5/38

Out: 0.000+/-0.000 χ^2/NDF:47.0/42

All: 0.000+/-0.000 χ^2/NDF: 90.0/81

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:1536588.2/22

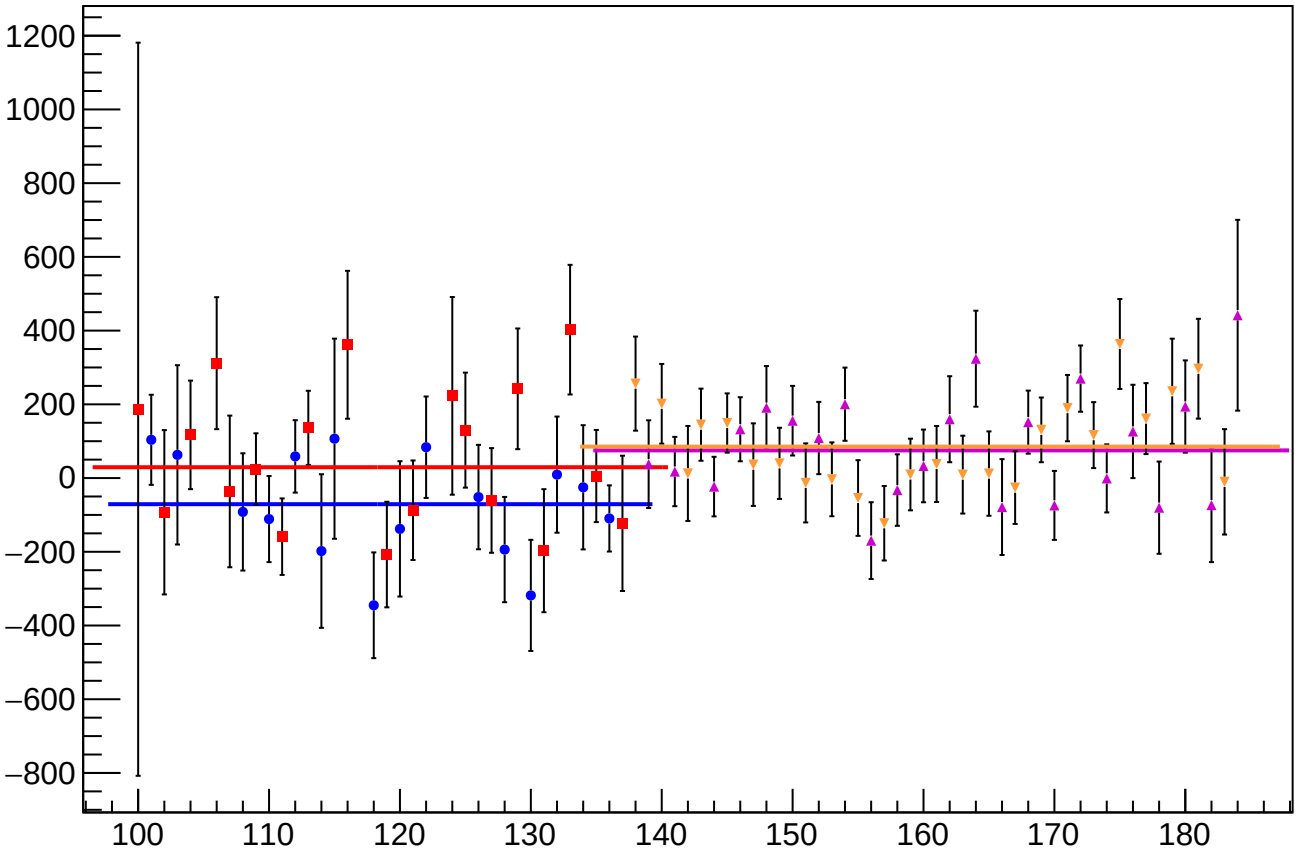
Left: 0.000+/-0.000 χ^2/NDF: 3872964.2/46

Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:4443399.4/38

Out: 0.000+/-0.000 χ^2/NDF:5545860.5/42

All: 0.000+/-0.000 χ^2/NDF: 10083419.0/81



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: 75.048+/-21.837 χ^2/NDF:32.6/22

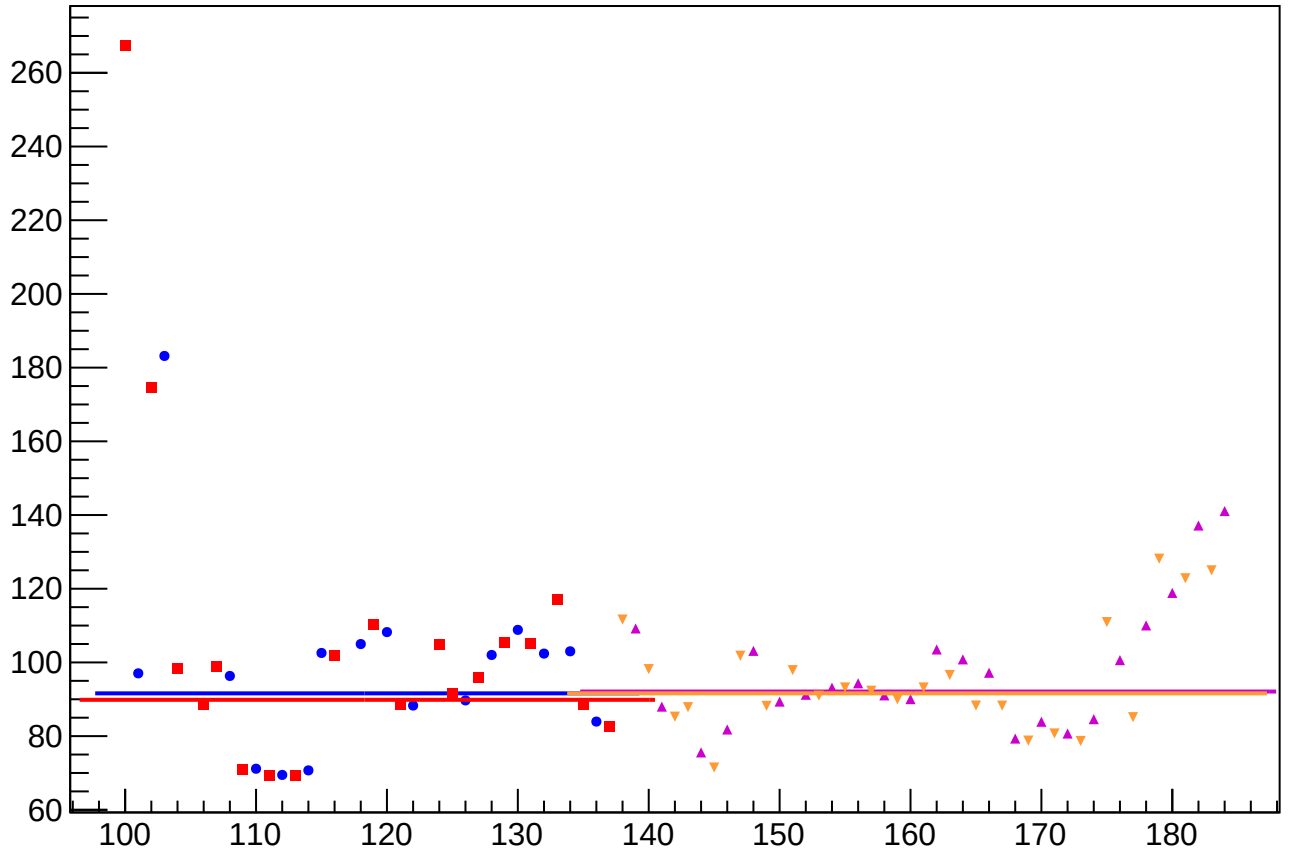
Left: 80.293+/-15.241 χ^2/NDF: 59.7/46

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 34.361+/-18.545 χ^2/NDF:59.1/38

Out: 69.709+/-18.075 χ^2/NDF:52.9/42

All: 52.488+/-12.944 χ^2/NDF: 113.9/81



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: 92.100+/-0.015 χ^2/NDF:699590.1/22

Left: 91.848+/-0.011 χ^2/NDF: 1445718.9/46

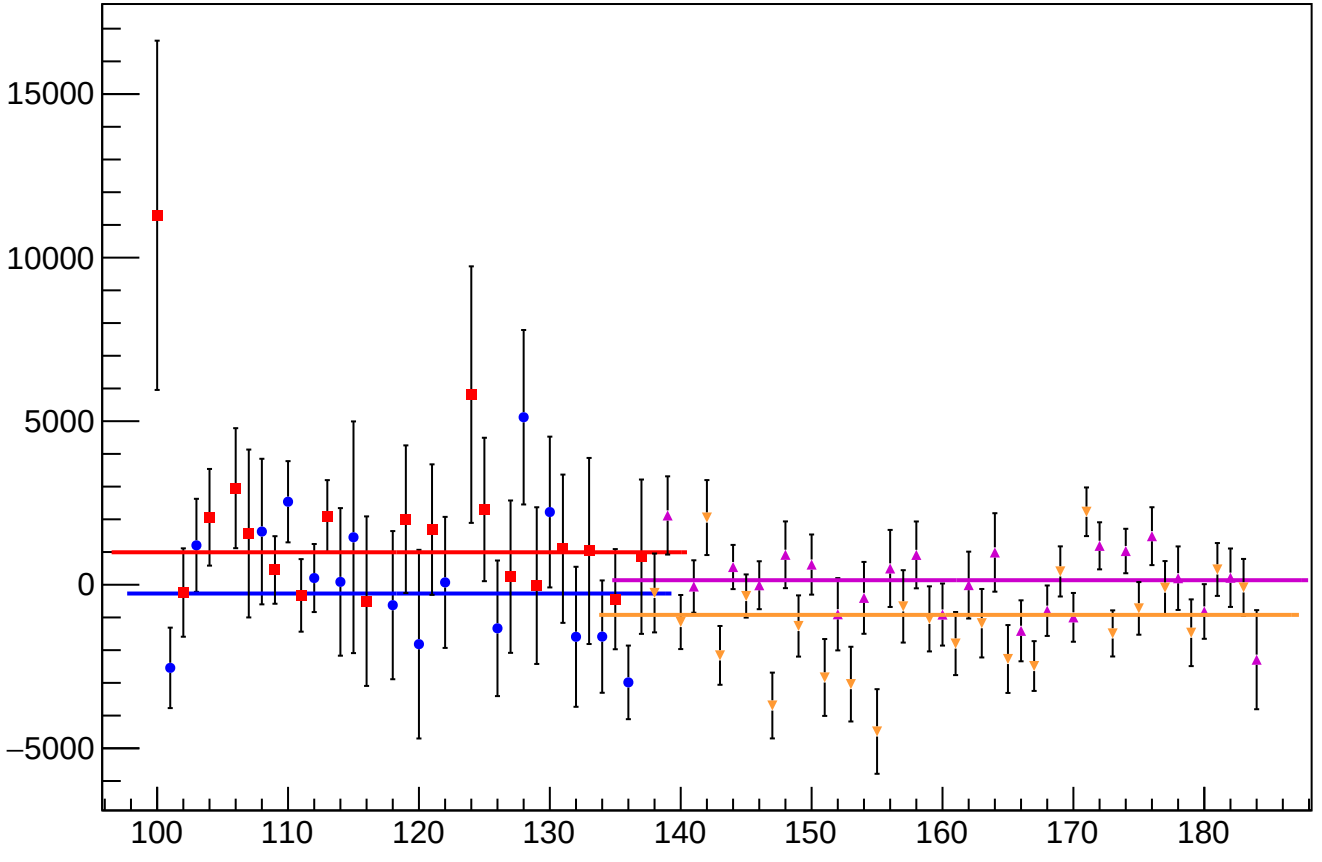
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 91.963+/-0.013 χ^2/NDF:1280546.4/38

Out: 91.119+/-0.013 χ^2/NDF:1495678.0/42

All: 91.530+/-0.009 χ^2/NDF: 2778348.4/81

asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -921.577+/-184.018 χ^2/NDF:65.0/23

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

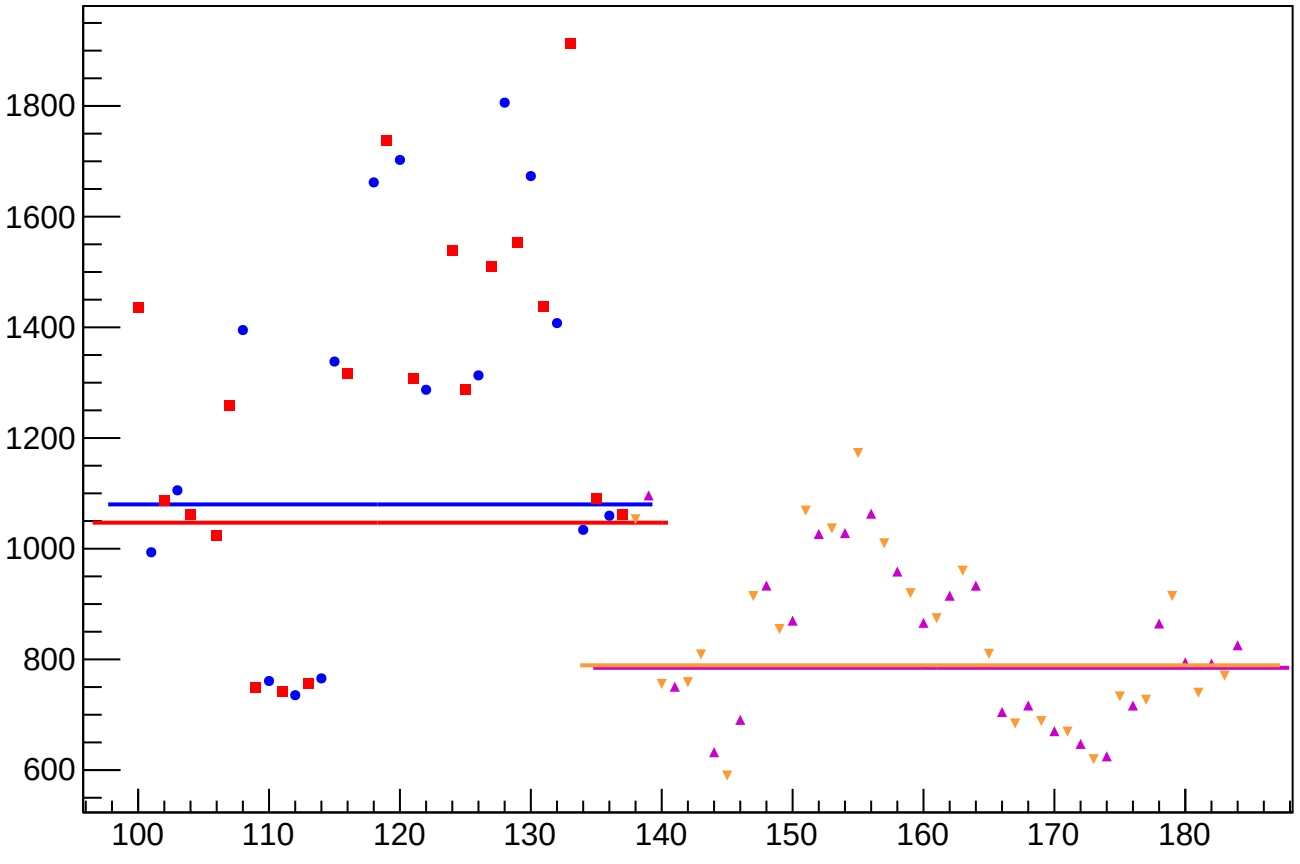
Left: -398.734+/-131.015 χ^2/NDF: 105.5/46

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 71.502+/-170.479 χ^2/NDF:48.4/38

Out: -588.342+/-167.236 χ^2/NDF:96.5/42

All: -264.755+/-119.384 χ^2/NDF: 152.5/81



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: 784.833+/-0.132 χ^2/NDF:1063747.2/22

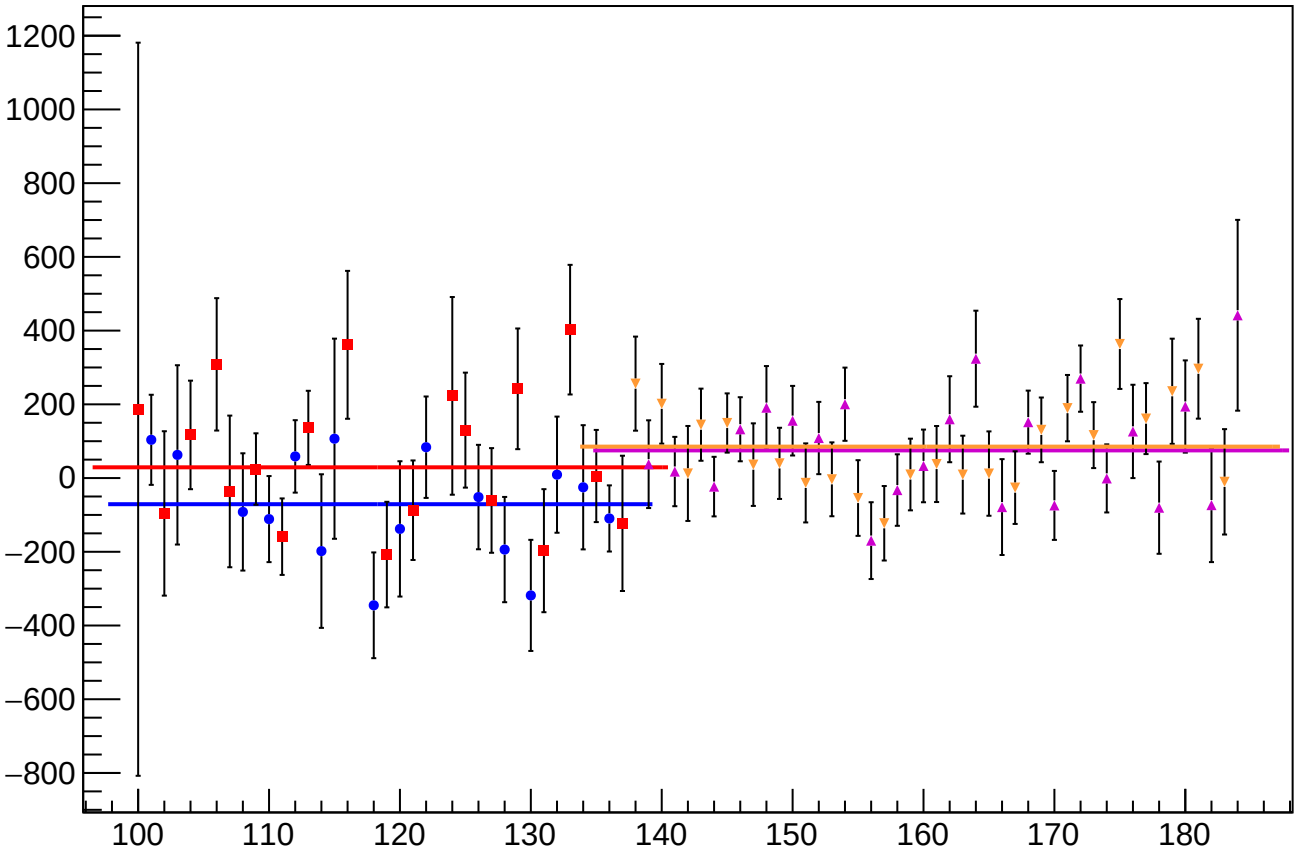
Left: 787.119+/-0.093 χ^2/NDF: 2255305.0/46

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 833.569+/-0.121 χ^2/NDF:2943850.6/38

Out: 834.208+/-0.118 χ^2/NDF:3072534.5/42

All: 833.895+/-0.084 χ^2/NDF: 6016399.4/81



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: 75.049+/-21.837 χ^2/NDF:32.6/22

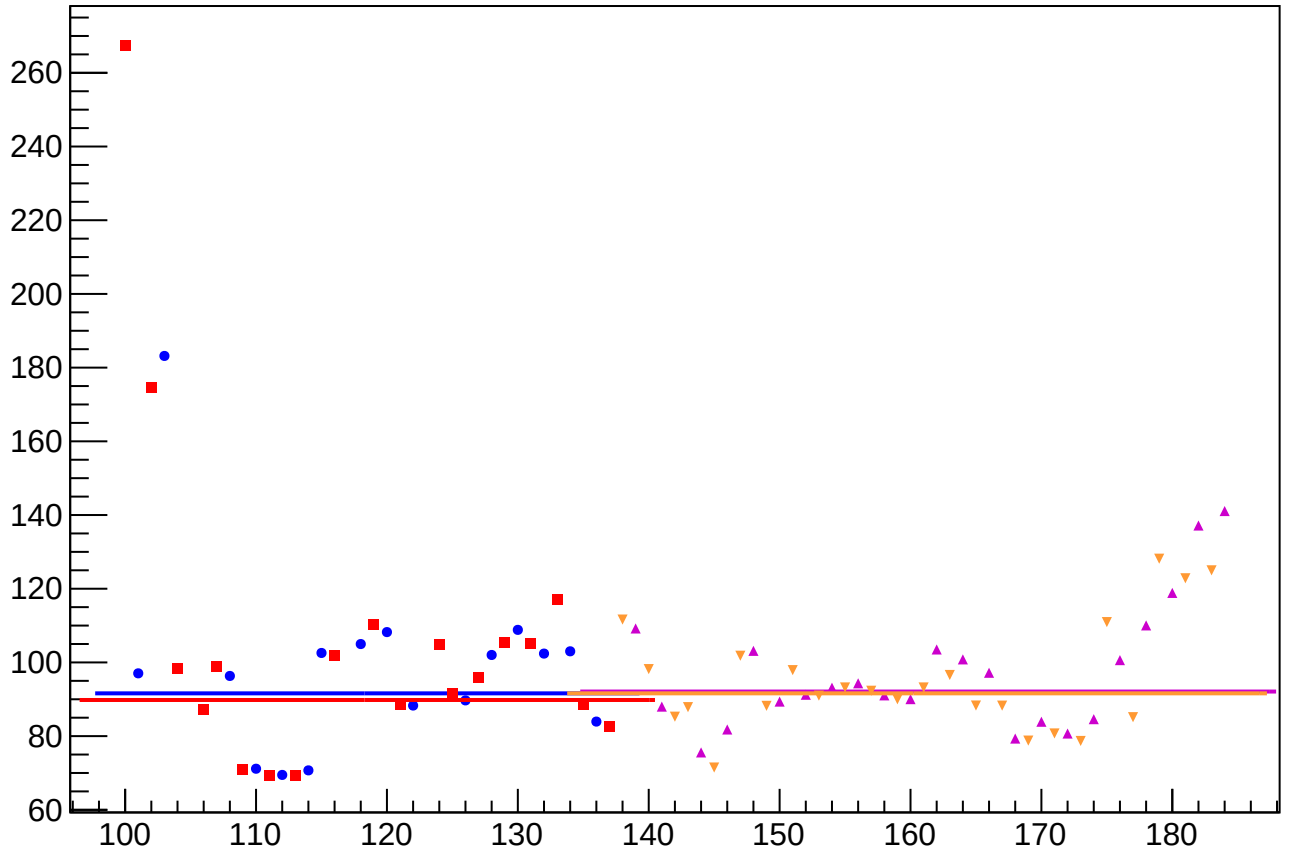
Left: 80.297+/-15.241 χ^2/NDF: 59.7/46

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 34.359+/-18.545 χ^2/NDF:59.1/38

Out: 69.647+/-18.076 χ^2/NDF:52.9/42

All: 52.454+/-12.944 χ^2/NDF: 113.9/81



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: 92.100+/-0.015 χ^2/NDF:699590.1/22

Left: 91.848+/-0.011 χ^2/NDF: 1445718.9/46

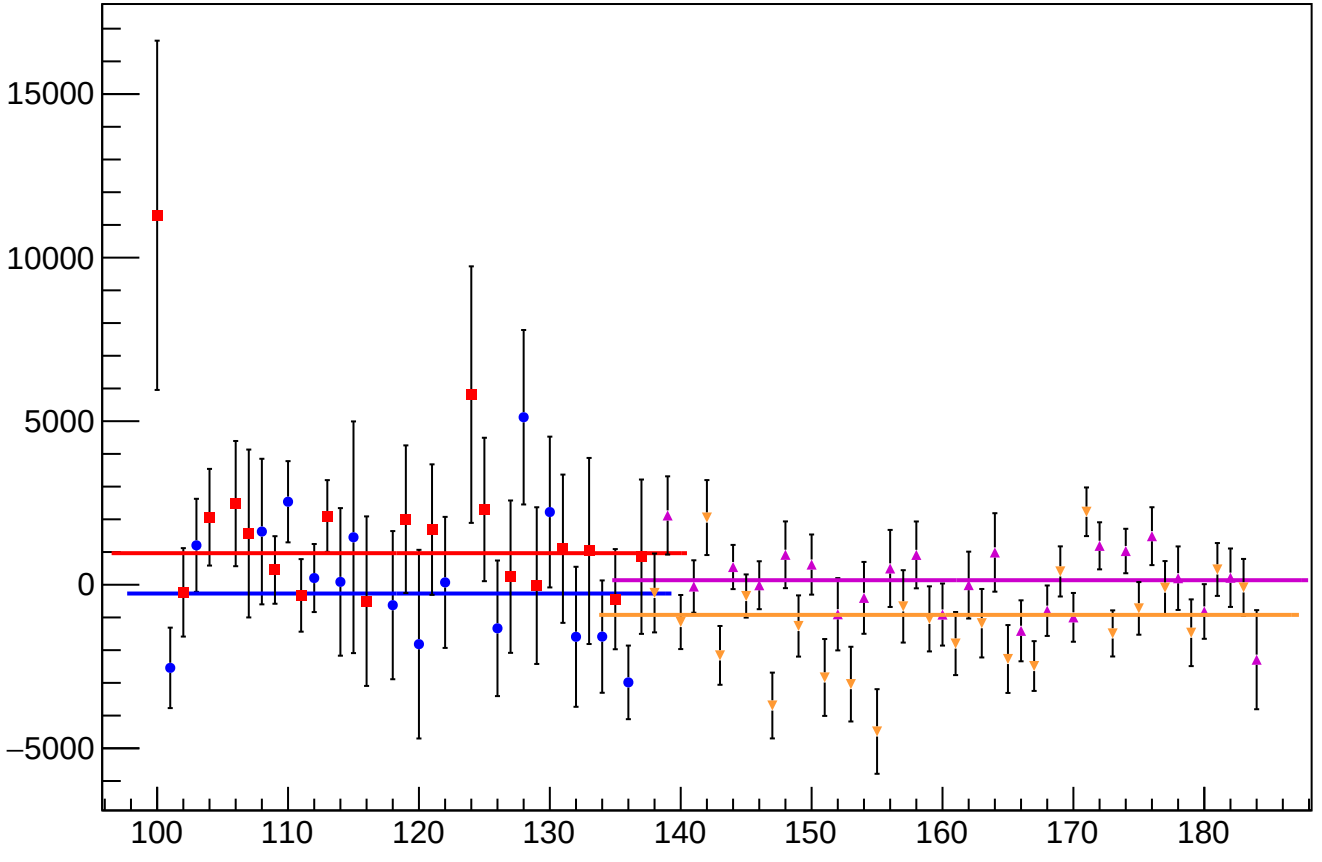
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.963+/-0.013 χ^2/NDF:1280549.6/38

Out: 91.106+/-0.013 χ^2/NDF:1496429.2/42

All: 91.524+/-0.009 χ^2/NDF: 2779169.3/81

asym_sam_3748_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -921.570+/-184.018 χ^2/NDF:65.0/23

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

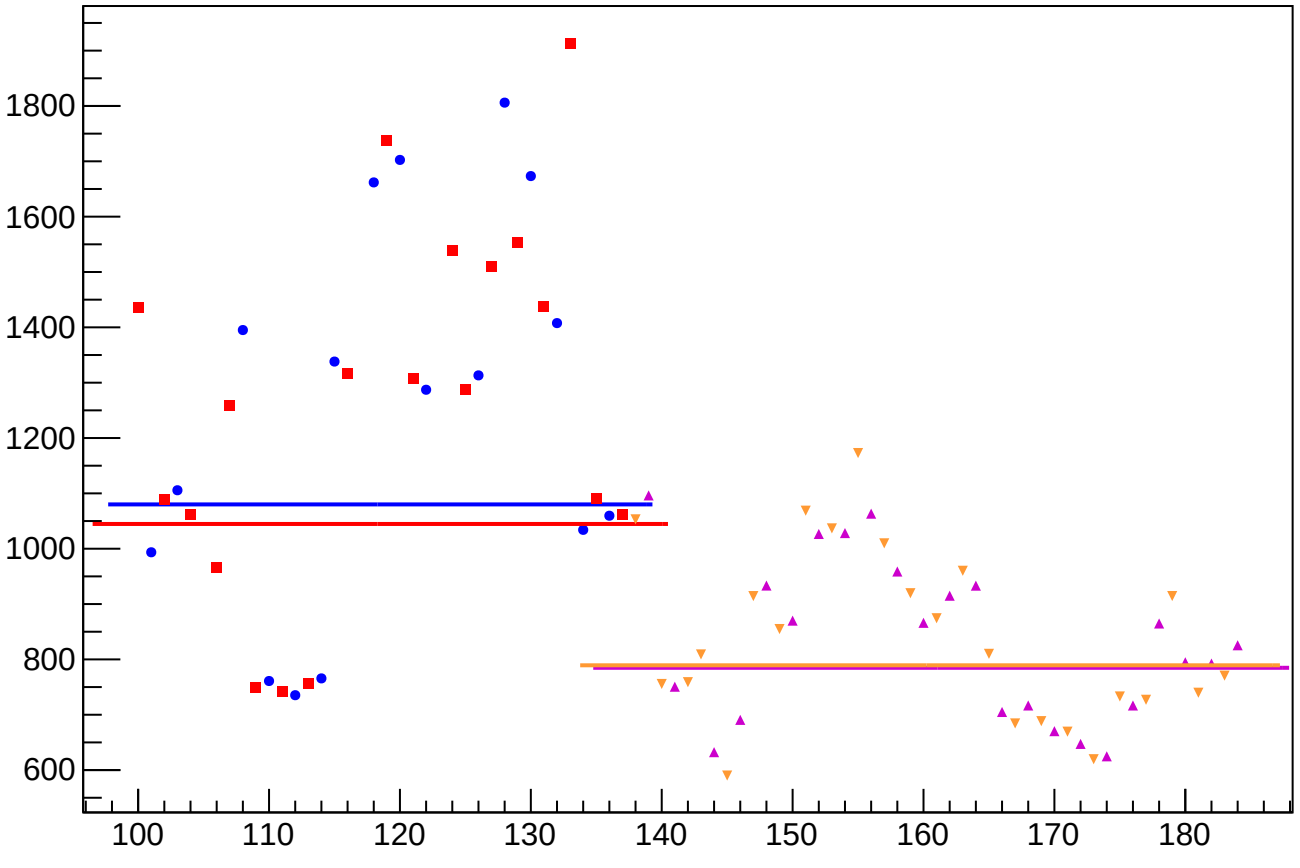
Left: -398.730+/-131.015 χ^2/NDF: 105.5/46

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 71.501+/-170.479 χ^2/NDF:48.4/38

Out: -594.248+/-167.295 χ^2/NDF:95.3/42

All: -267.649+/-119.405 χ^2/NDF: 151.5/81



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: 784.833+/-0.132 χ^2/NDF:1063746.9/22

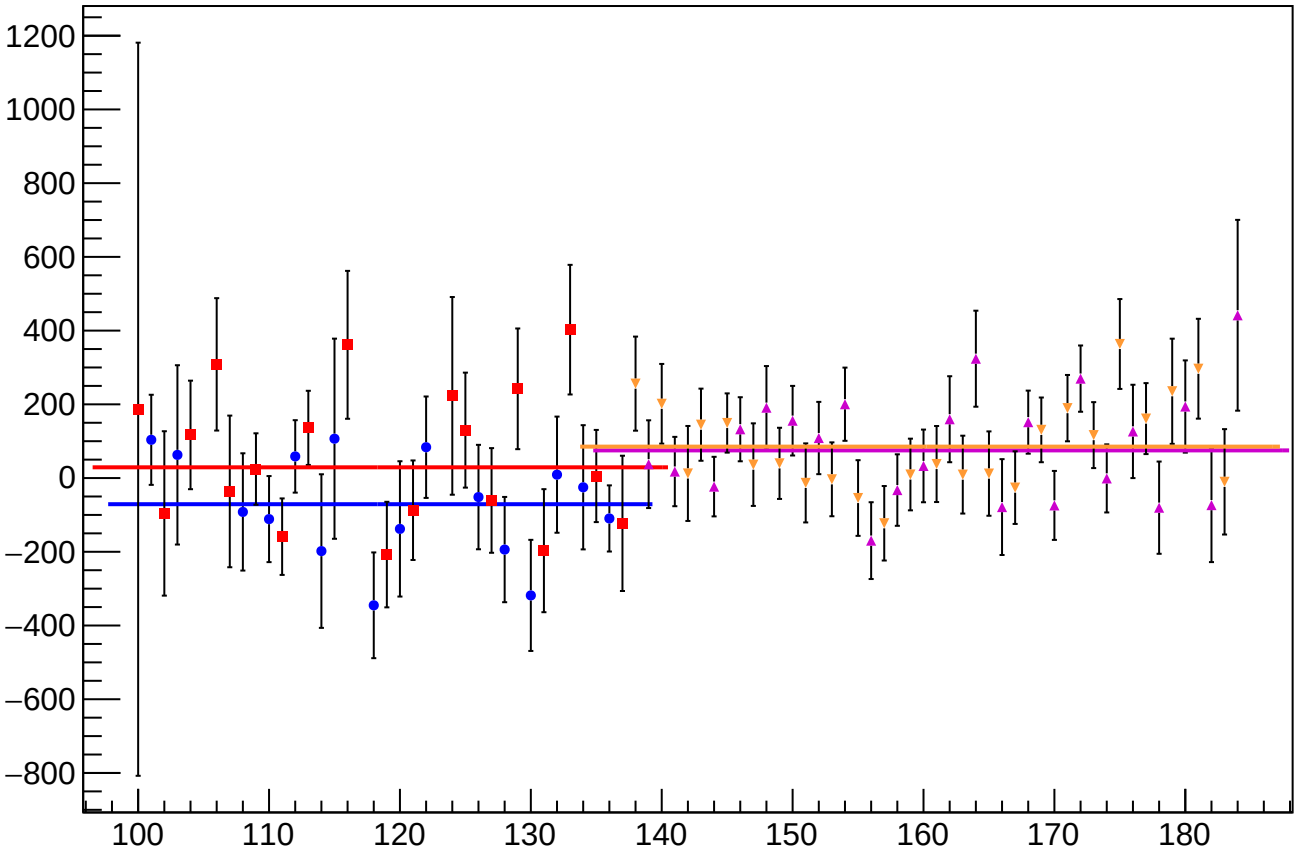
Left: 787.119+/-0.093 χ^2/NDF: 2255306.0/46

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 833.570+/-0.121 χ^2/NDF:2943892.7/38

Out: 833.651+/-0.118 χ^2/NDF:3061085.0/42

All: 833.611+/-0.084 χ^2/NDF: 6004978.0/81



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: 75.049+/-21.837 χ^2/NDF:32.6/22

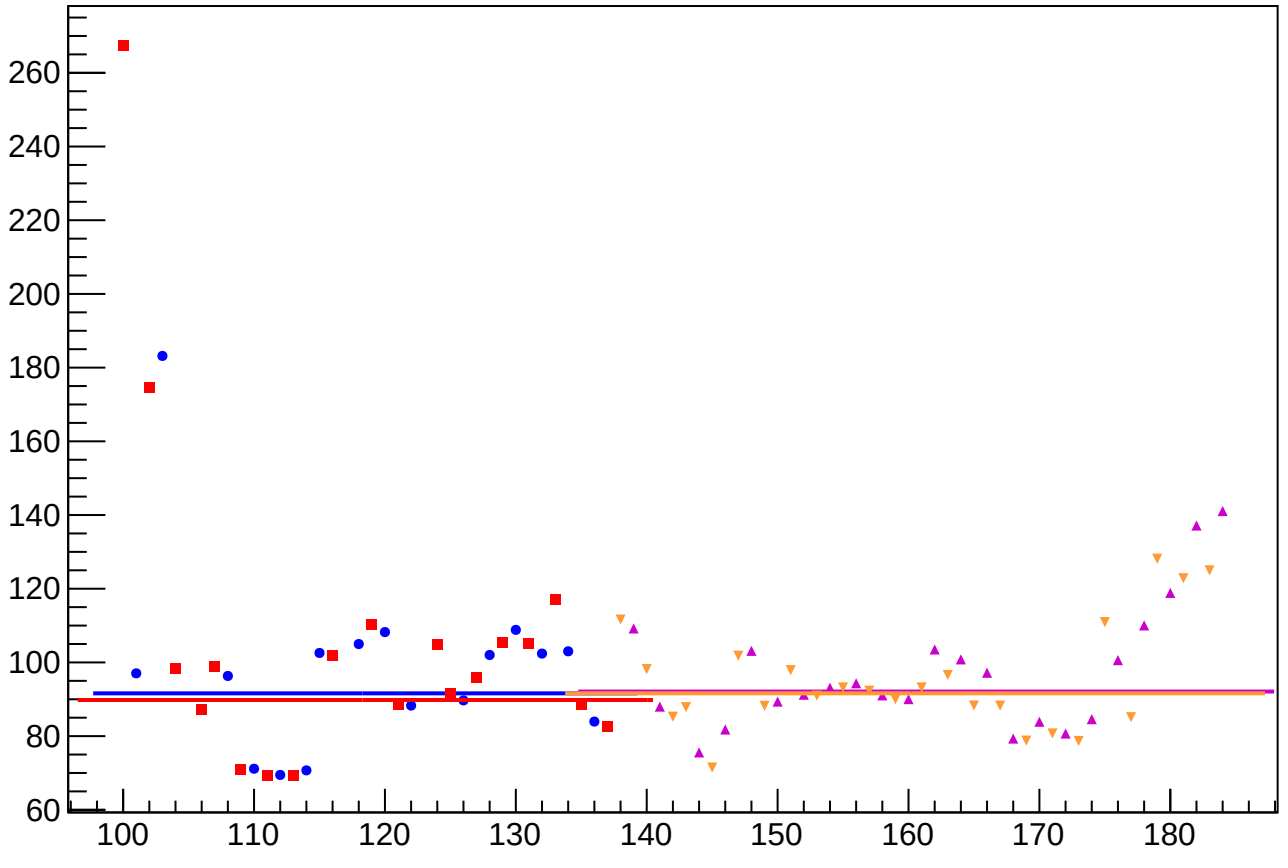
Left: 80.297+/-15.241 χ^2/NDF: 59.7/46

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 34.359+/-18.545 χ^2/NDF:59.1/38

Out: 69.647+/-18.076 χ^2/NDF:52.9/42

All: 52.454+/-12.944 χ^2/NDF: 113.9/81



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: 92.100+/-0.015 χ^2/NDF:699590.1/22

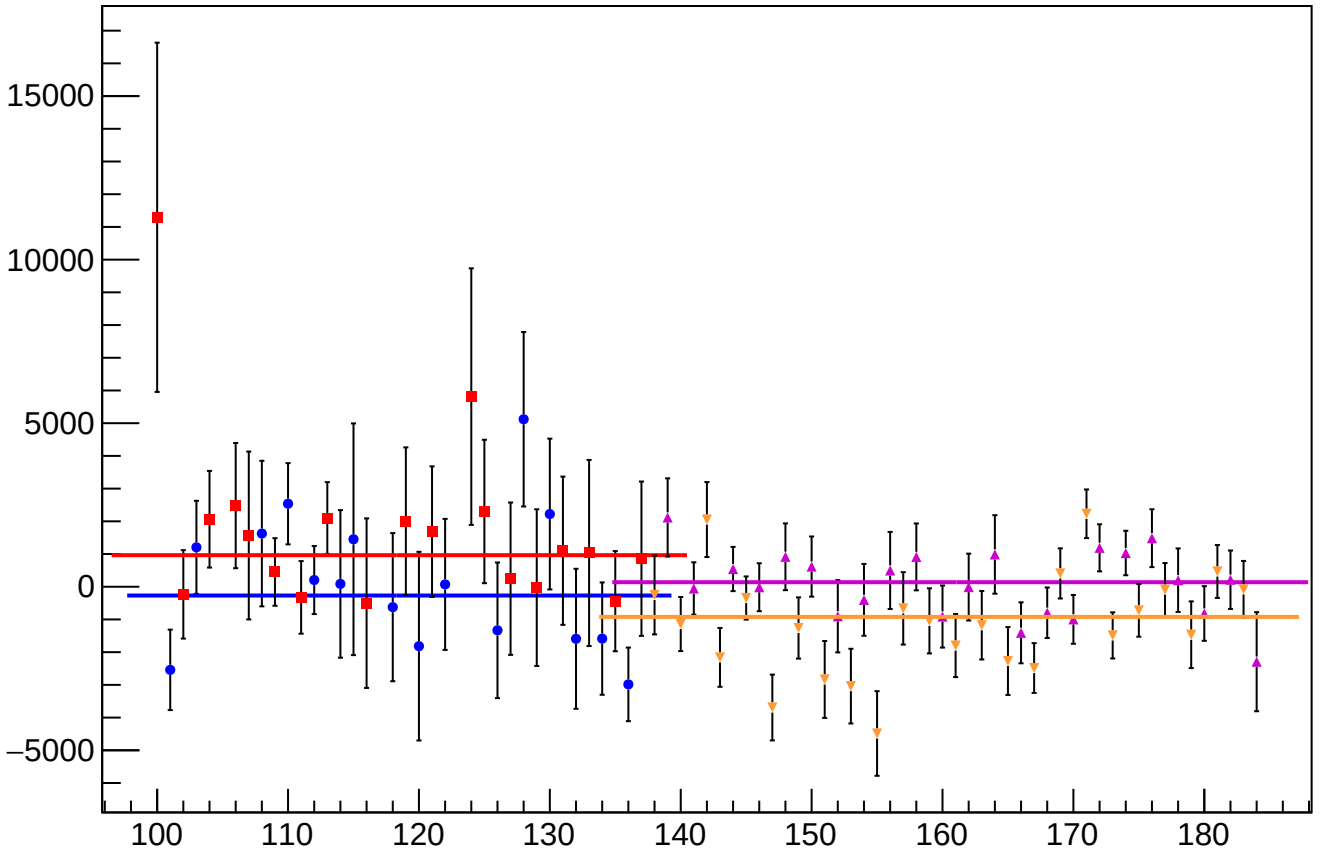
Left: 91.848+/-0.011 χ^2/NDF: 1445718.9/46

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.963+/-0.013 χ^2/NDF:1280549.6/38

Out: 91.106+/-0.013 χ^2/NDF:1496429.2/42

All: 91.524+/-0.009 χ^2/NDF: 2779169.3/81



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: 138.730+/-186.573 χ^2/NDF:24.2/22

Left: -398.730+/-131.015 χ^2/NDF: 105.5/46

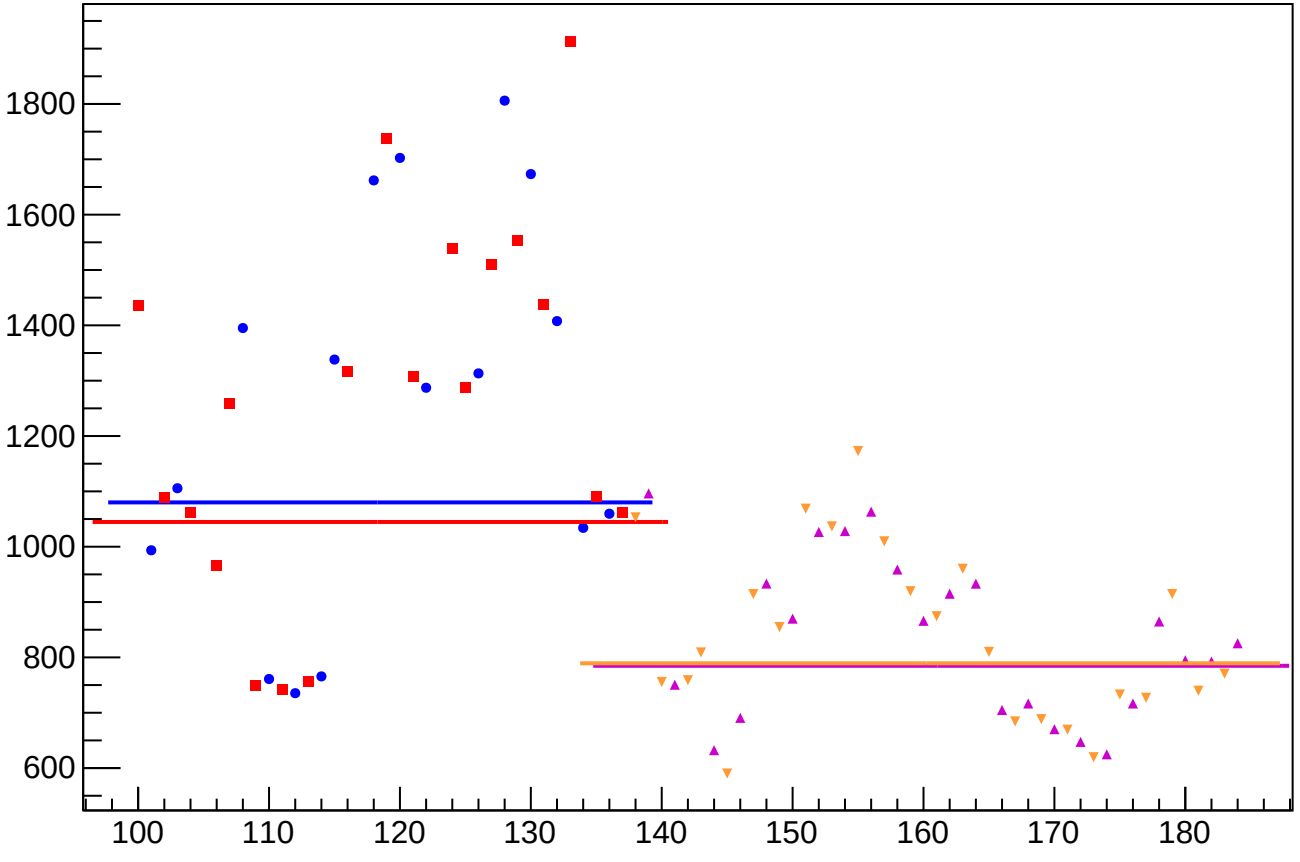
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 71.501+/-170.479 χ^2/NDF:48.4/38

Out: -594.248+/-167.295 χ^2/NDF:95.3/42

All: -267.649+/-119.405 χ^2/NDF: 151.5/81

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: 784.833+/-0.132 χ^2/NDF:1063746.9/22

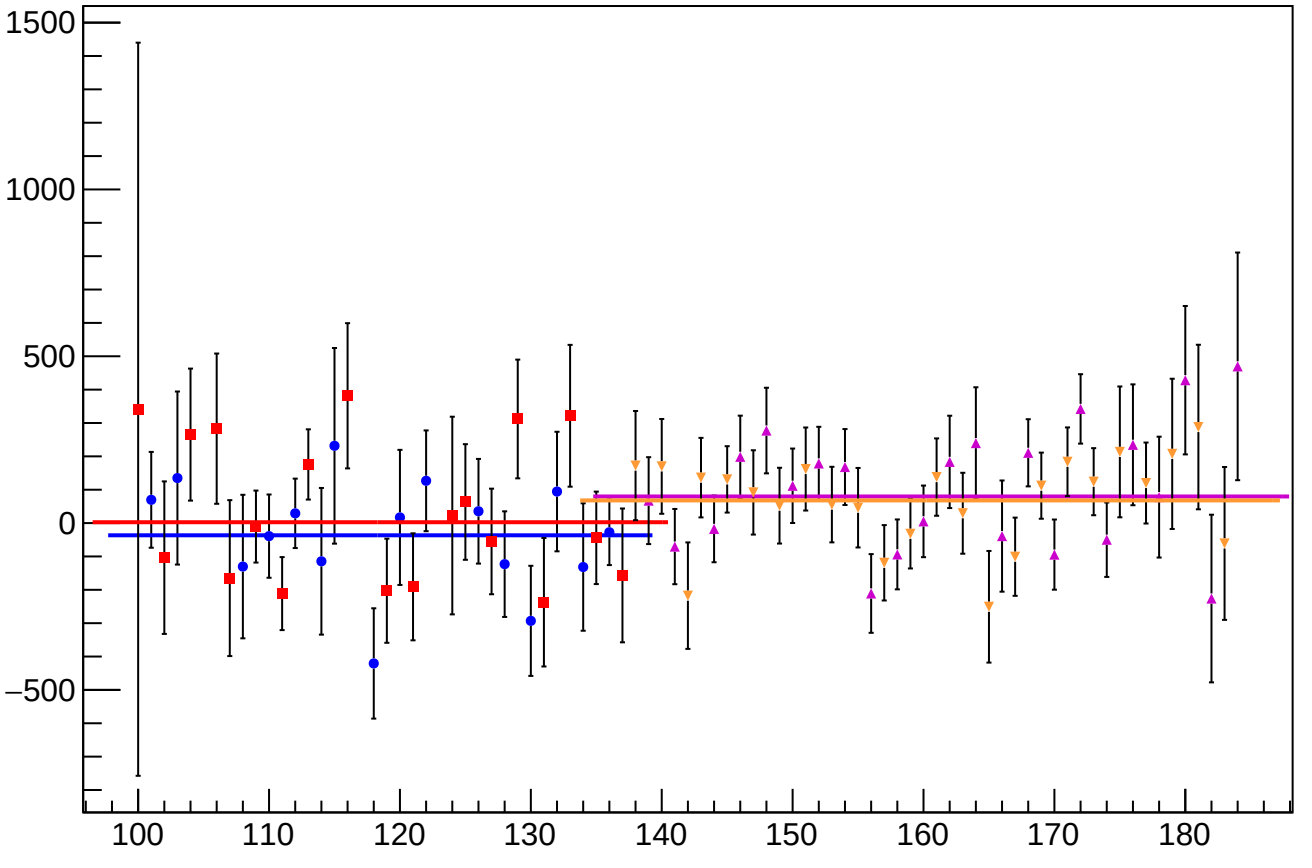
Left: 787.119+/-0.093 χ^2/NDF: 2255306.0/46

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 833.570+/-0.121 χ^2/NDF:2943892.7/38

Out: 833.651+/-0.118 χ^2/NDF:3061085.0/42

All: 833.611+/-0.084 χ^2/NDF: 6004978.0/81



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: 79.766+/-26.299 χ^2/NDF:36.9/22

Left: 73.716+/-18.372 χ^2/NDF: 56.4/46

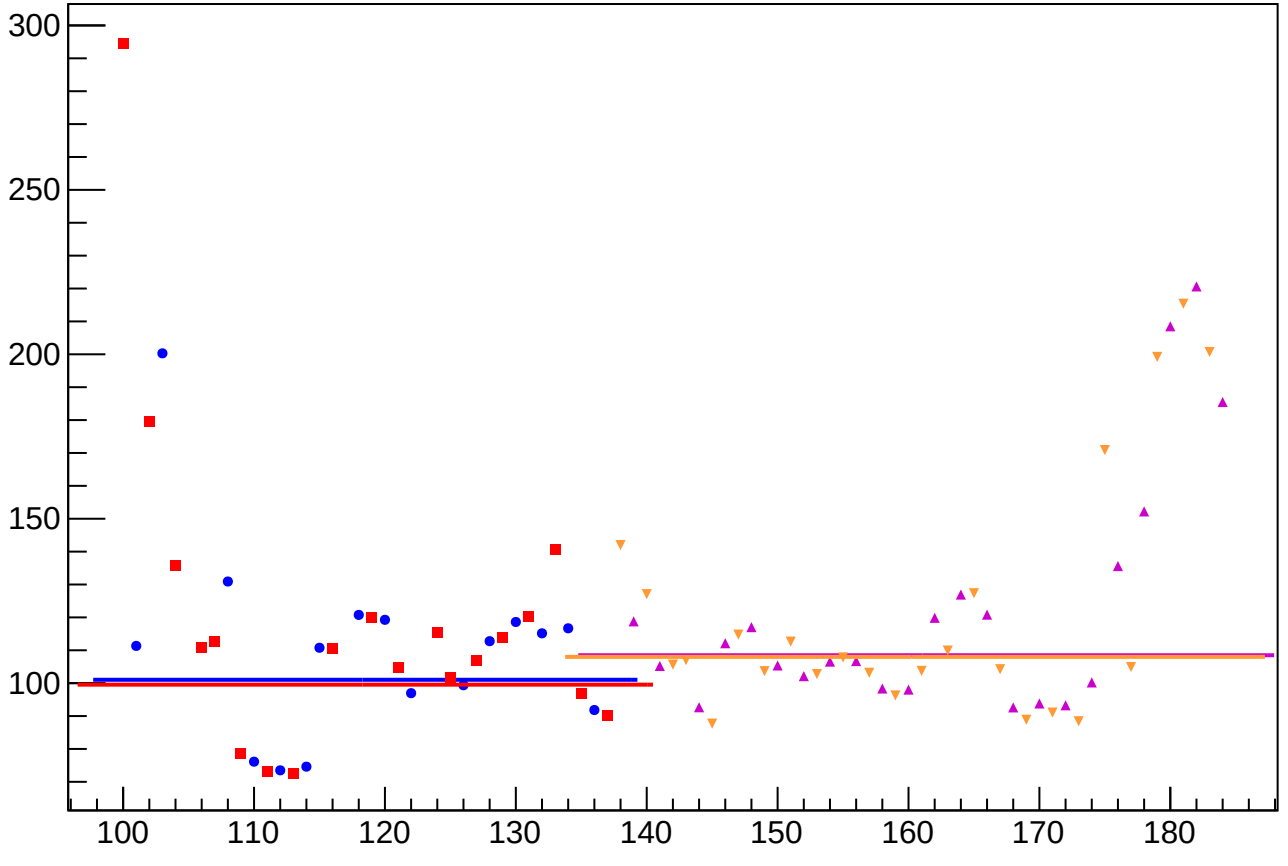
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 43.384+/-21.803 χ^2/NDF:56.0/38

Out: 47.577+/-21.304 χ^2/NDF:46.1/42

All: 45.529+/-15.237 χ^2/NDF: 102.1/81

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: 108.492+/-0.019 χ^2/NDF:1379398.3/22

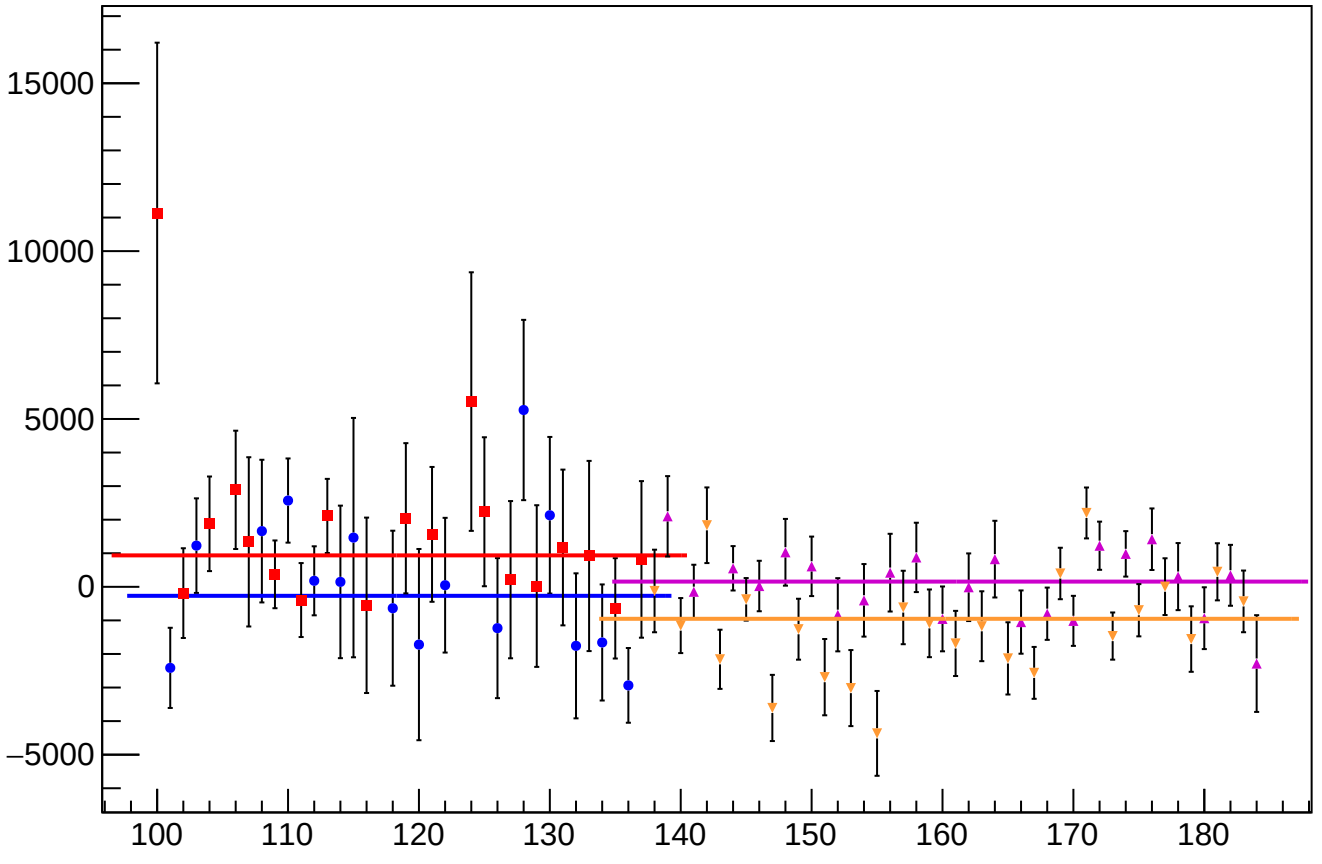
Left: 108.242+/-0.013 χ^2/NDF: 3109218.2/46

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 106.159+/-0.015 χ^2/NDF:2145831.9/38

Out: 105.368+/-0.015 χ^2/NDF:2677547.2/42

All: 105.755+/-0.011 χ^2/NDF: 4824727.3/81



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: 155.874+/-187.116 χ^2/NDF:23.1/22

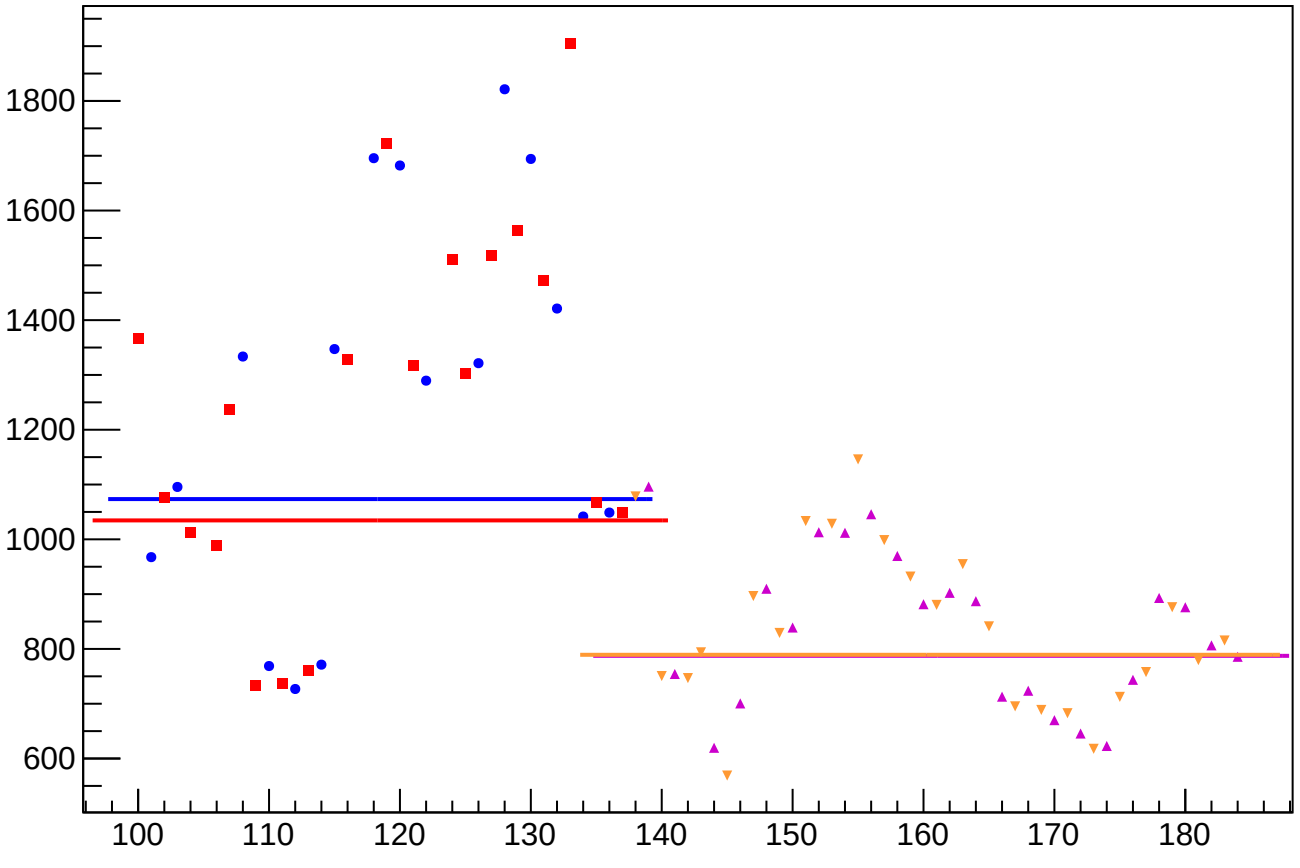
Left: -408.353+/-131.104 χ^2/NDF: 102.6/46

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 84.868+/-170.721 χ^2/NDF:47.4/38

Out: -618.086+/-166.696 χ^2/NDF:93.5/42

All: -274.993+/-119.269 χ^2/NDF: 149.6/81



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: 787.390+/-0.132 χ^2/NDF:1041390.9/22

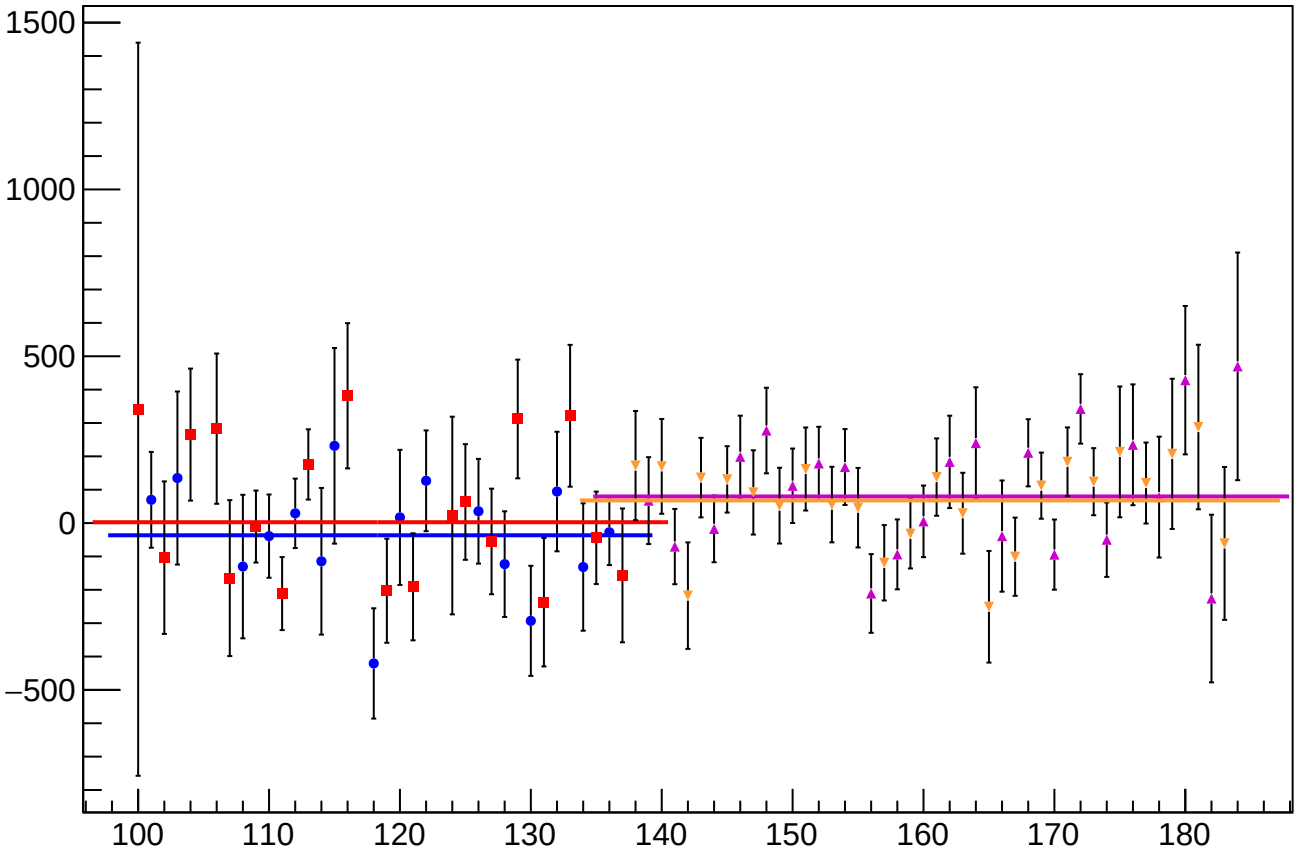
Left: 788.359+/-0.093 χ^2/NDF: 2218287.3/46

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 835.323+/-0.121 χ^2/NDF:2901722.2/38

Out: 832.698+/-0.118 χ^2/NDF:3036684.8/42

All: 833.980+/-0.084 χ^2/NDF: 5938649.0/81



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: 79.766+/-26.299 χ^2/NDF:36.9/22

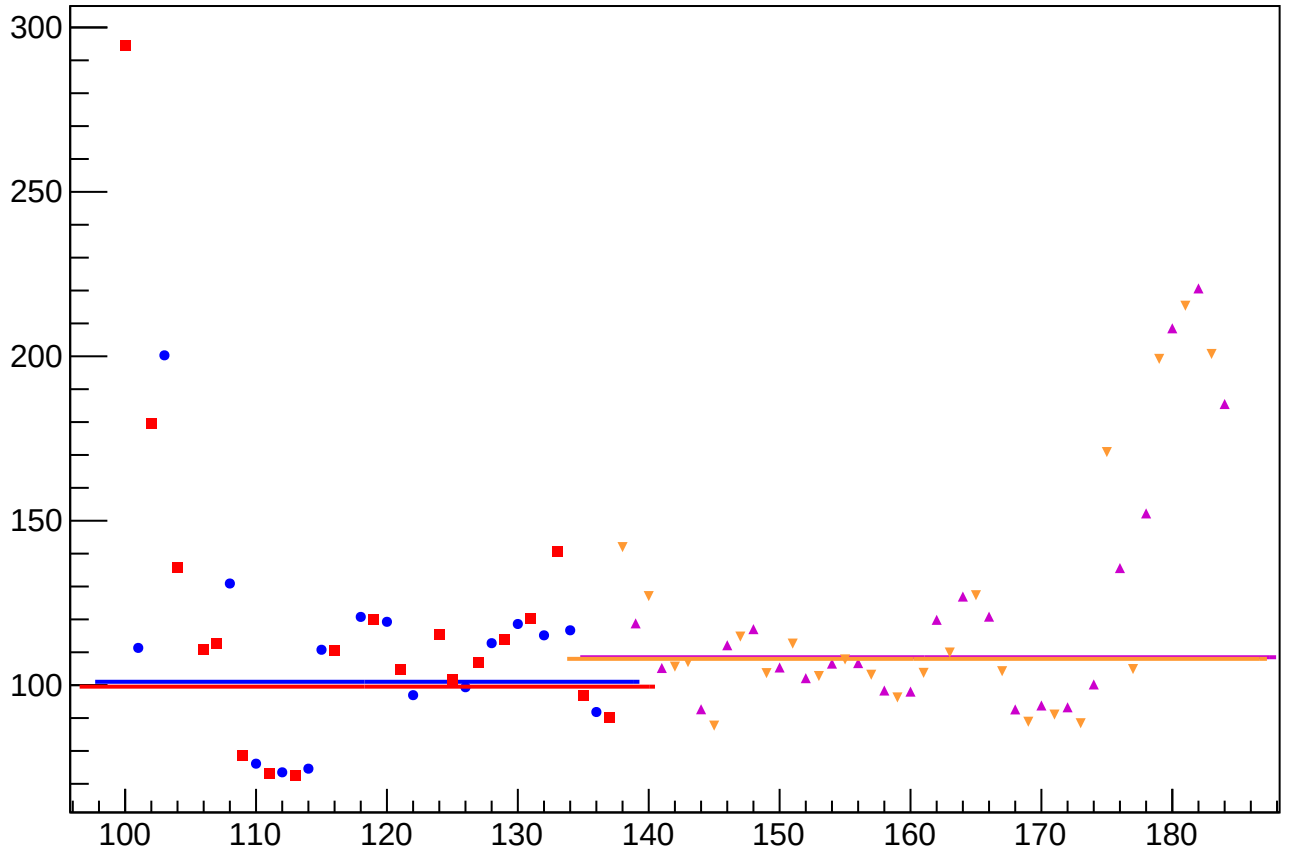
Left: 73.716+/-18.372 χ^2/NDF: 56.4/46

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 43.384+/-21.803 χ^2/NDF:56.0/38

Out: 47.577+/-21.304 χ^2/NDF:46.1/42

All: 45.529+/-15.237 χ^2/NDF: 102.1/81



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: 108.493+/-0.019 χ^2/NDF:1379379.3/22

Left: 108.242+/-0.013 χ^2/NDF: 3109196.2/46

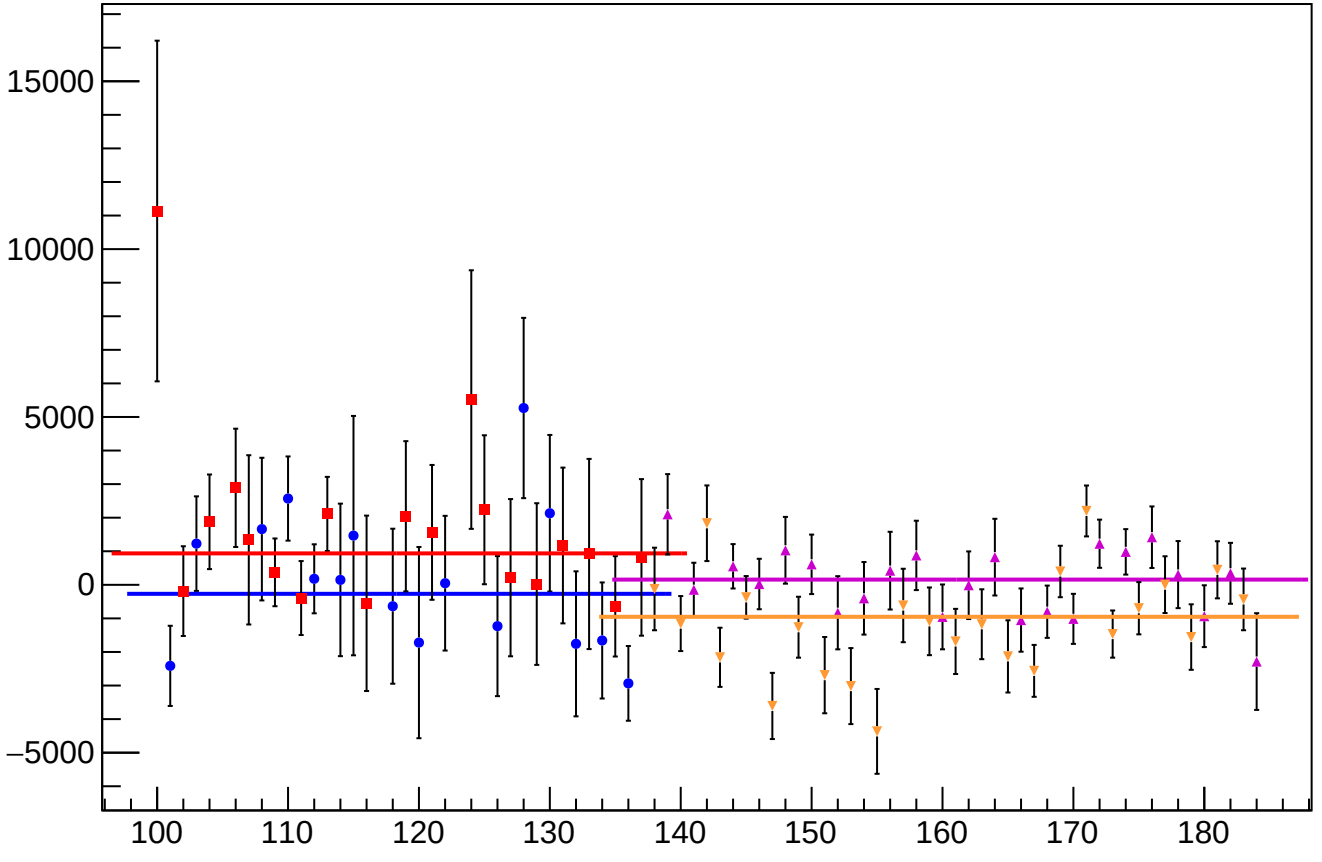
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 106.160+/-0.015 χ^2/NDF:2145813.8/38

Out: 105.368+/-0.015 χ^2/NDF:2677548.9/42

All: 105.755+/-0.011 χ^2/NDF: 4824710.9/81

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -952.448+/-183.747 χ^2/NDF:61.7/23

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

Left: -408.353+/-131.104 χ^2/NDF: 102.6/46

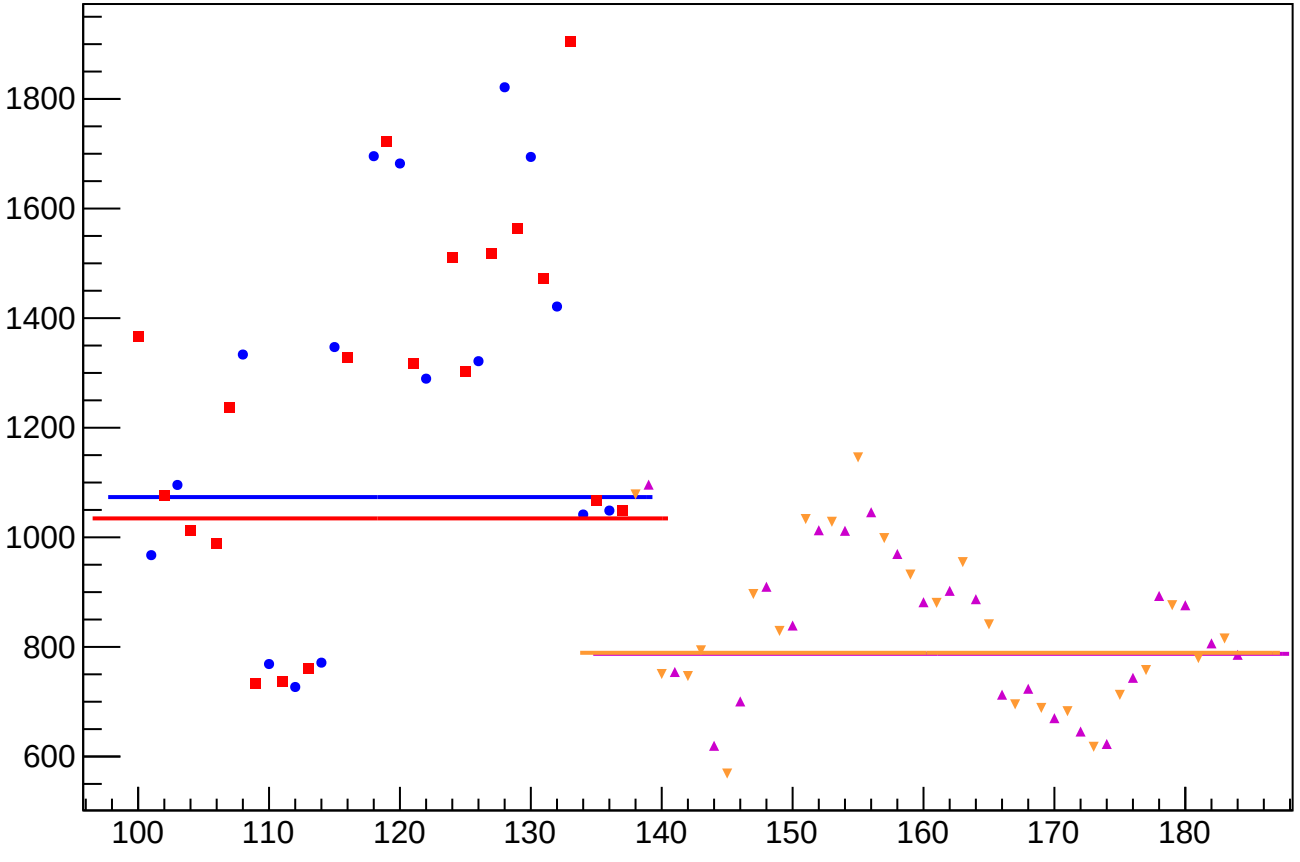
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 84.867+/-170.721 χ^2/NDF:47.4/38

Out: -618.085+/-166.696 χ^2/NDF:93.5/42

All: -274.993+/-119.269 χ^2/NDF: 149.6/81

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: 787.388+/-0.132 χ^2/NDF:1041391.2/22

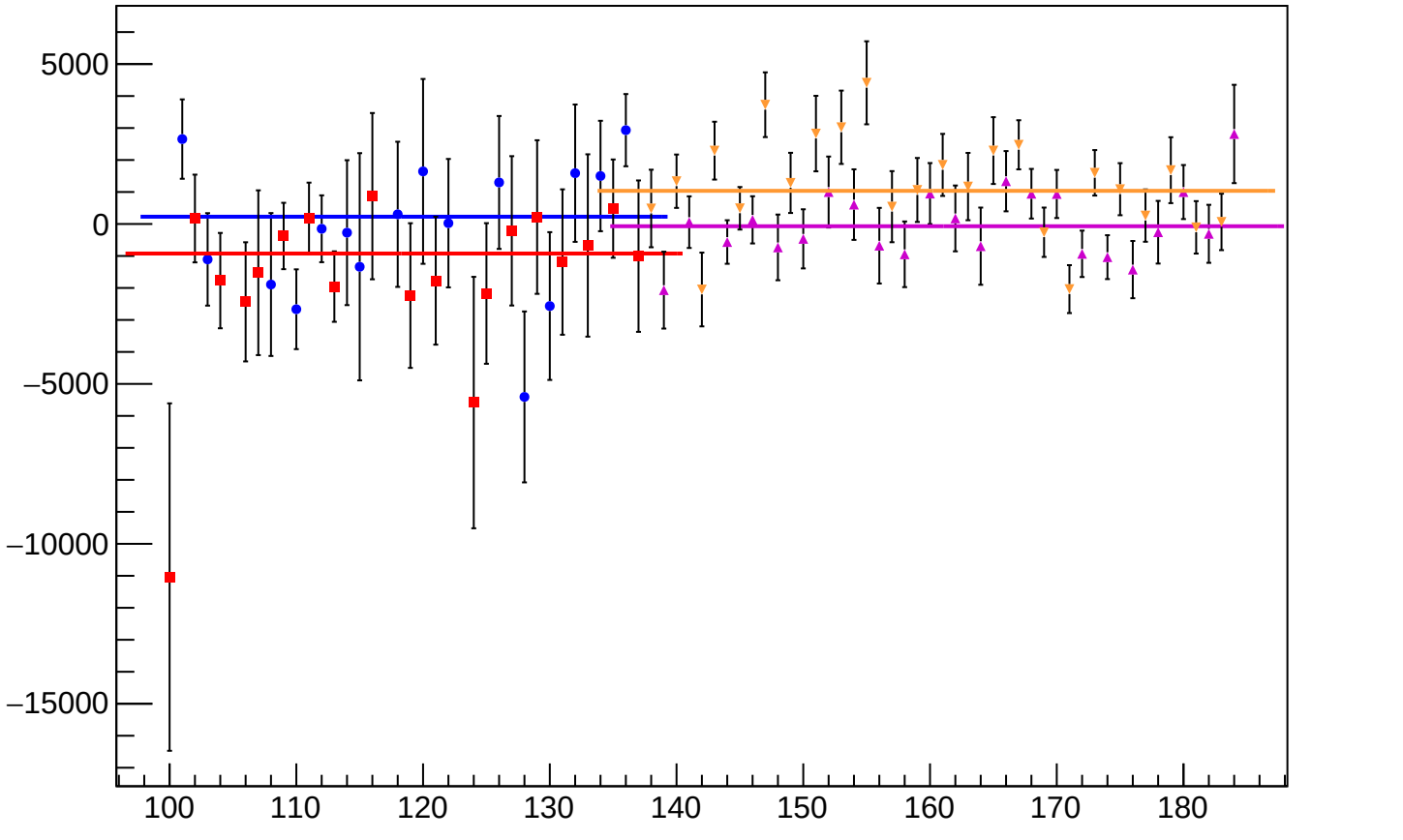
Left: 788.358+/-0.093 χ^2/NDF: 2218290.2/46

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 835.322+/-0.121 χ^2/NDF:2901727.7/38

Out: 832.697+/-0.118 χ^2/NDF:3036690.7/42

All: 833.978+/-0.084 χ^2/NDF: 5938660.4/81



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: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 490.910+/-132.036 χ^2/NDF: 101.9/46

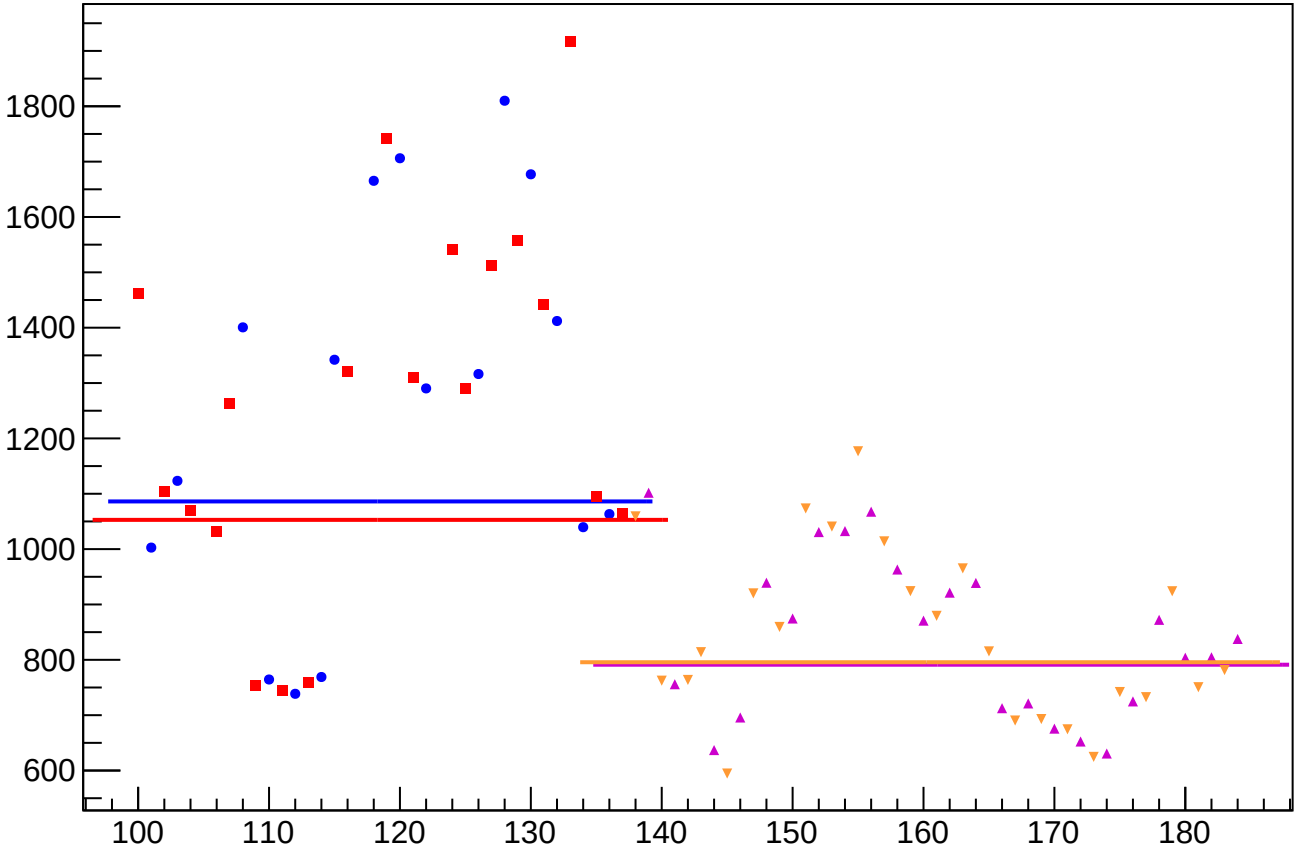
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -20.760+/-171.746 χ^2/NDF:49.3/38

Out: 694.163+/-168.472 χ^2/NDF:90.6/42

All: 343.579+/-120.269 χ^2/NDF: 148.7/81

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: 791.155+/-0.133 χ^2/NDF:1049107.7/22

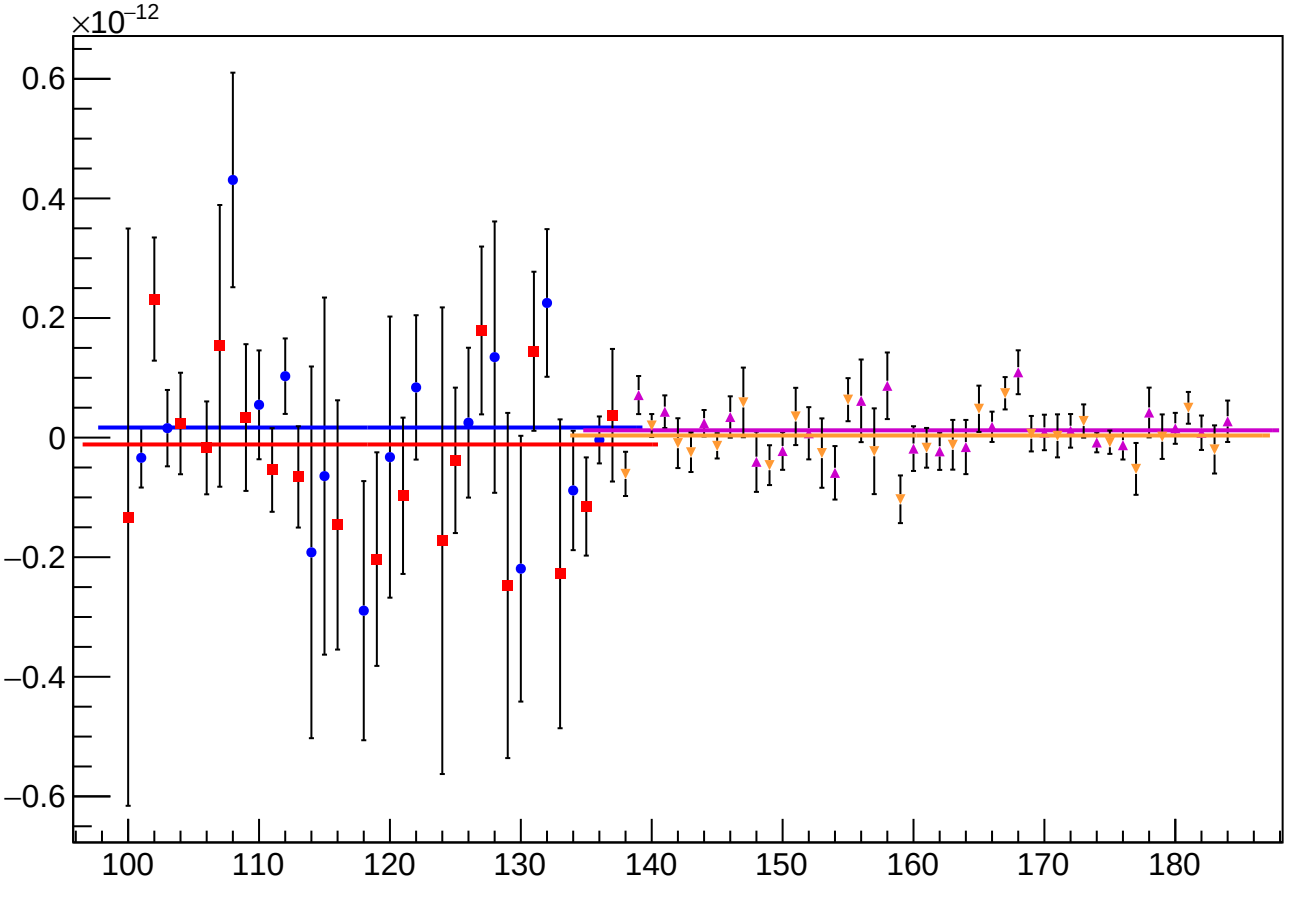
Left: 793.437+/-0.093 χ^2/NDF: 2223721.9/46

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 840.052+/-0.121 χ^2/NDF:2912457.1/38

Out: 840.578+/-0.119 χ^2/NDF:3040319.9/42

All: 840.320+/-0.085 χ^2/NDF: 5952786.6/81



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:25.3/22

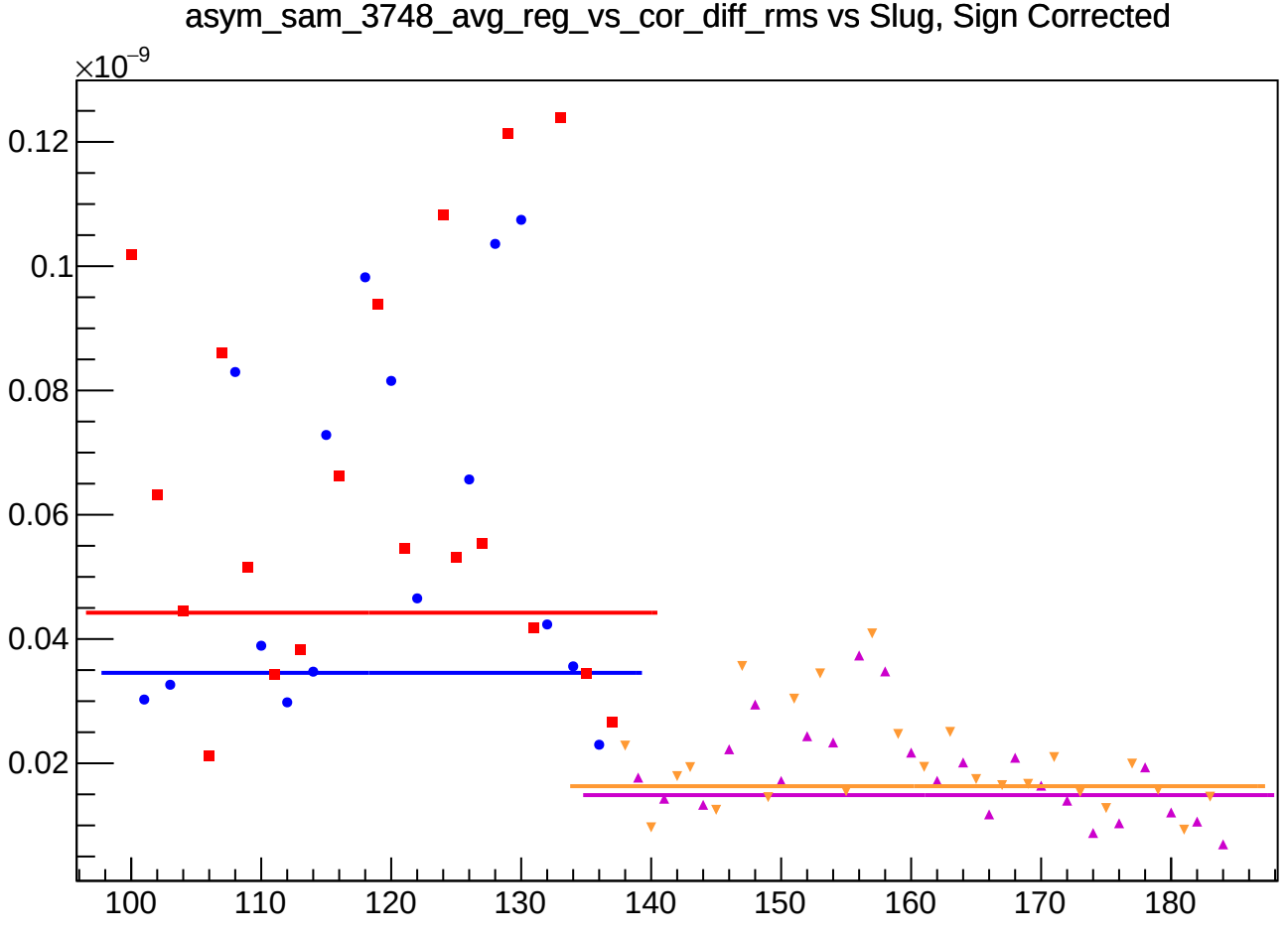
Left: 0.000+/-0.000 χ^2/NDF: 60.1/46

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:42.2/38

Out: 0.000+/-0.000 χ^2/NDF:50.1/42

All: 0.000+/-0.000 χ^2/NDF: 93.5/81



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:1661952.2/22

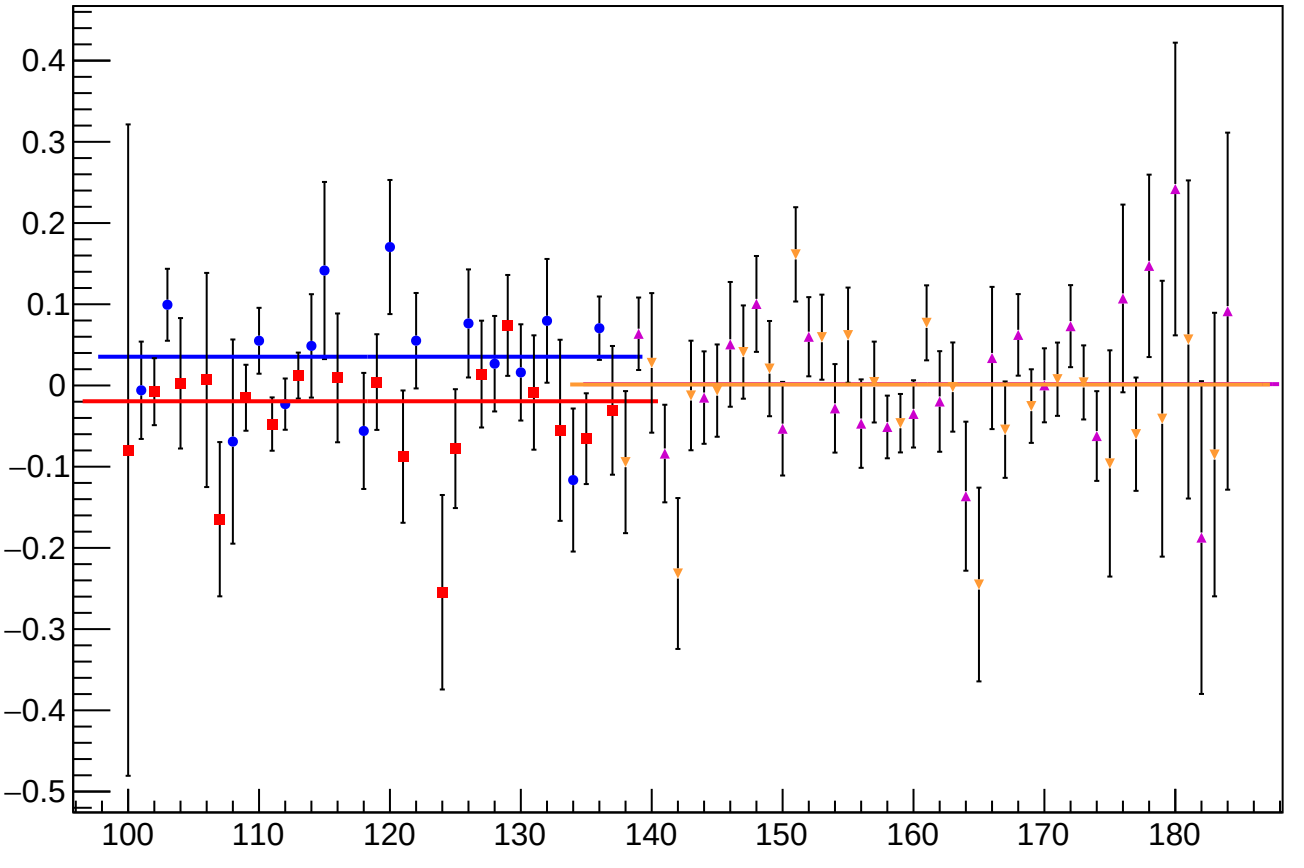
Left: 0.000+/-0.000 χ^2/NDF: 3382529.3/46

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:4349306.2/38

Out: 0.000+/-0.000 χ^2/NDF:4778849.5/42

All: 0.000+/-0.000 χ^2/NDF: 9182154.8/81



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: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.001+/-0.009 χ^2/NDF: 55.8/46

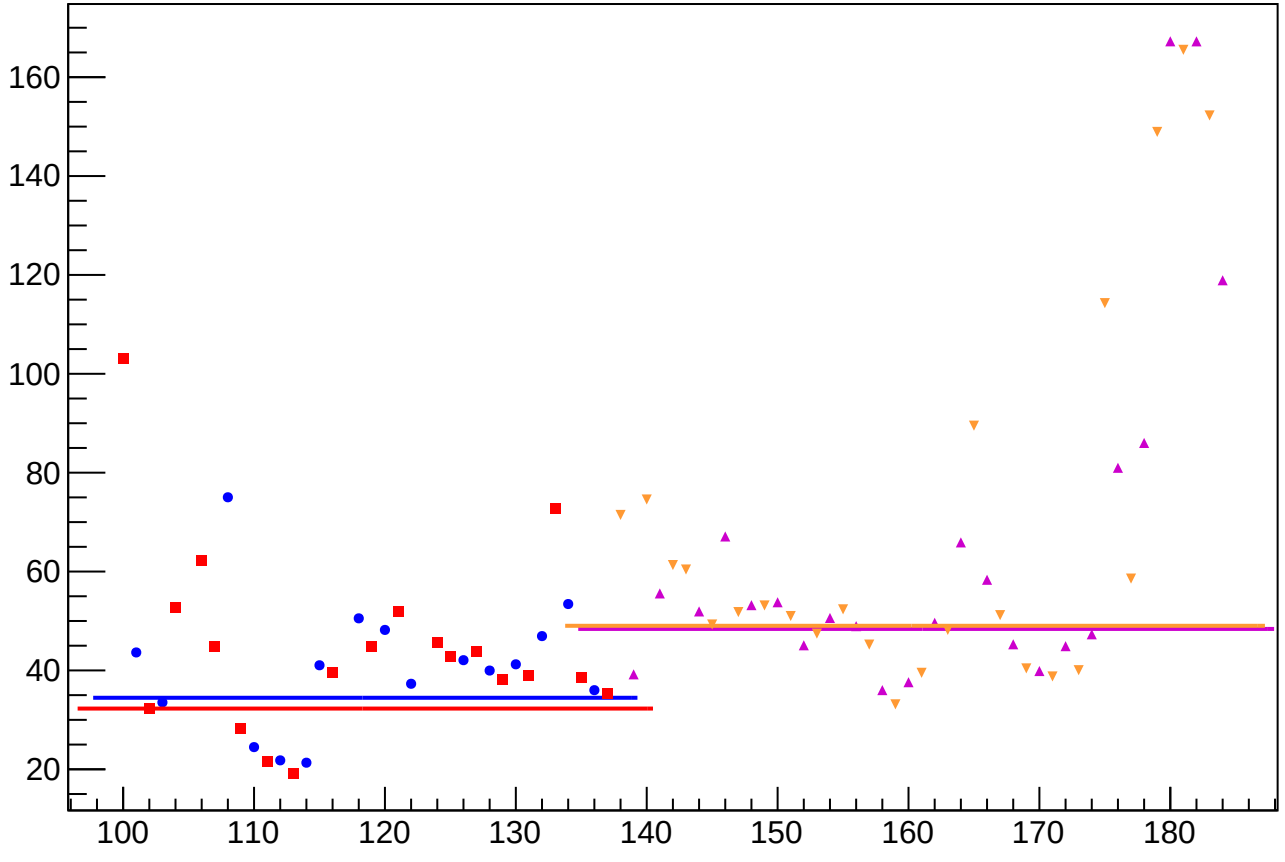
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.017+/-0.009 χ^2/NDF:46.3/38

Out: -0.008+/-0.009 χ^2/NDF:44.5/42

All: 0.004+/-0.006 χ^2/NDF: 94.5/81

asym_sam_3748_avg_dit_vs_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: 48.392+/-0.009 χ^2/NDF:3033240.8/22

Left: 48.712+/-0.006 χ^2/NDF: 7009353.6/46

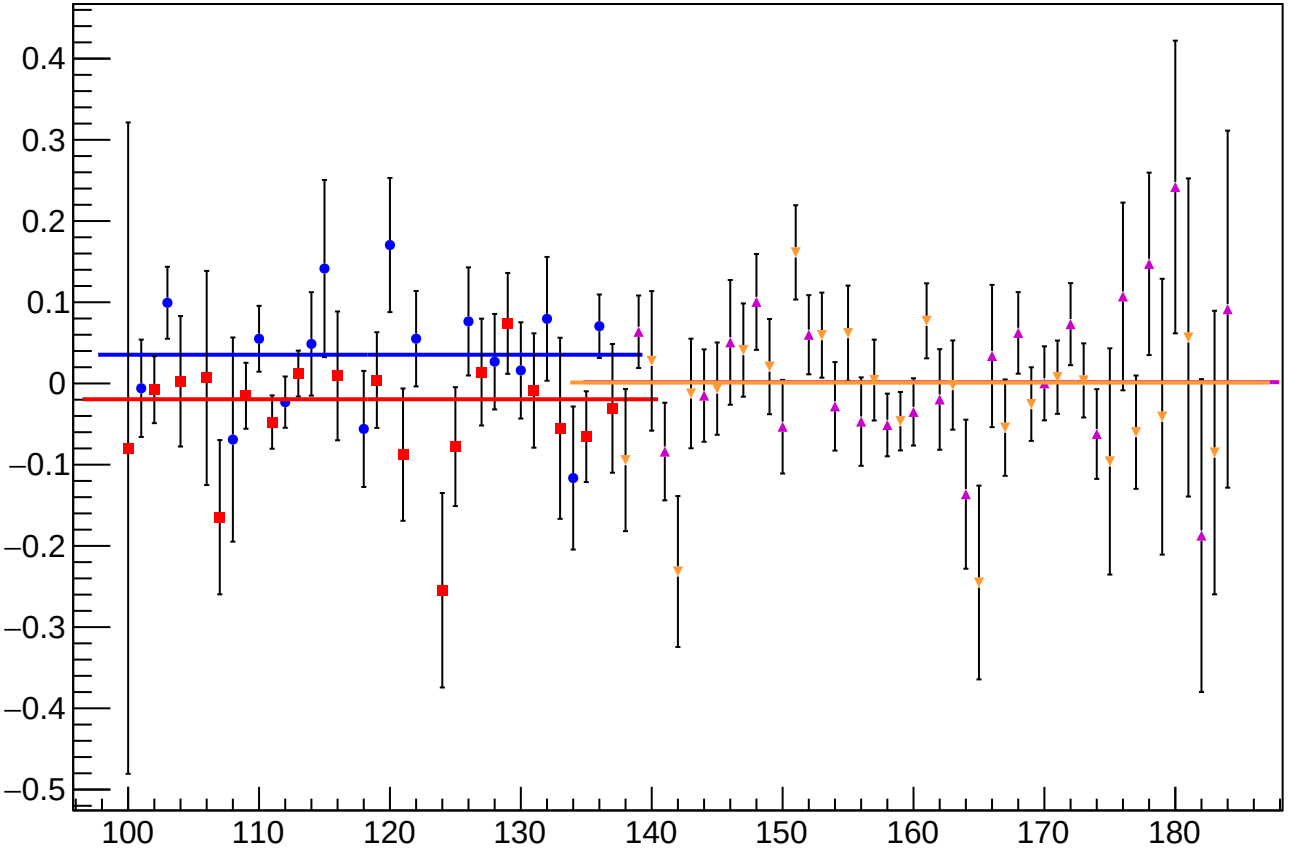
Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 42.234+/-0.007 χ^2/NDF:5325208.0/38

Out: 41.190+/-0.006 χ^2/NDF:7377635.6/42

All: 41.697+/-0.005 χ^2/NDF: 12715977.7/81

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.8/23

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.001+/-0.009 χ^2/NDF: 55.8/46

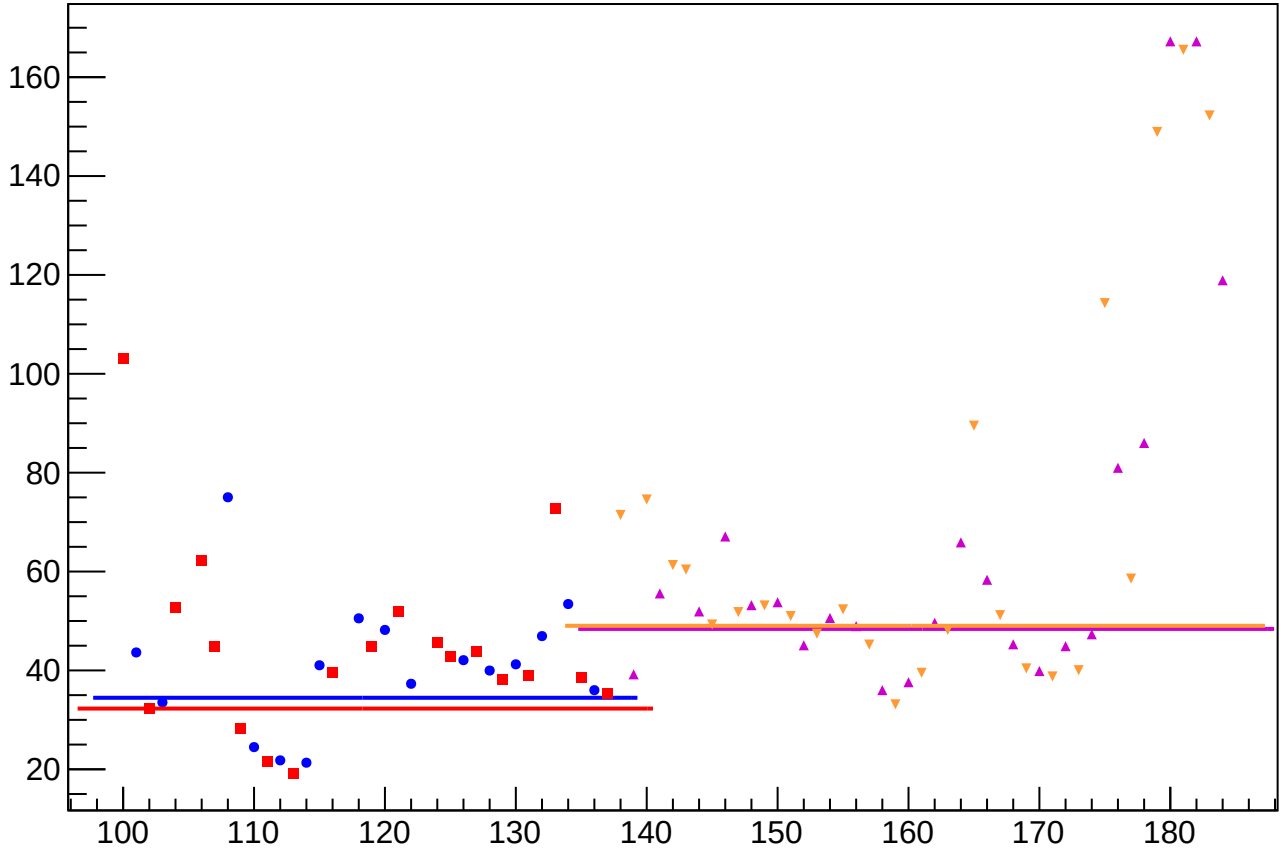
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.017+/-0.009 χ^2/NDF:46.3/38

Out: -0.008+/-0.009 χ^2/NDF:44.5/42

All: 0.004+/-0.006 χ^2/NDF: 94.5/81

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: 48.392+/-0.009 χ^2/NDF:3033240.8/22

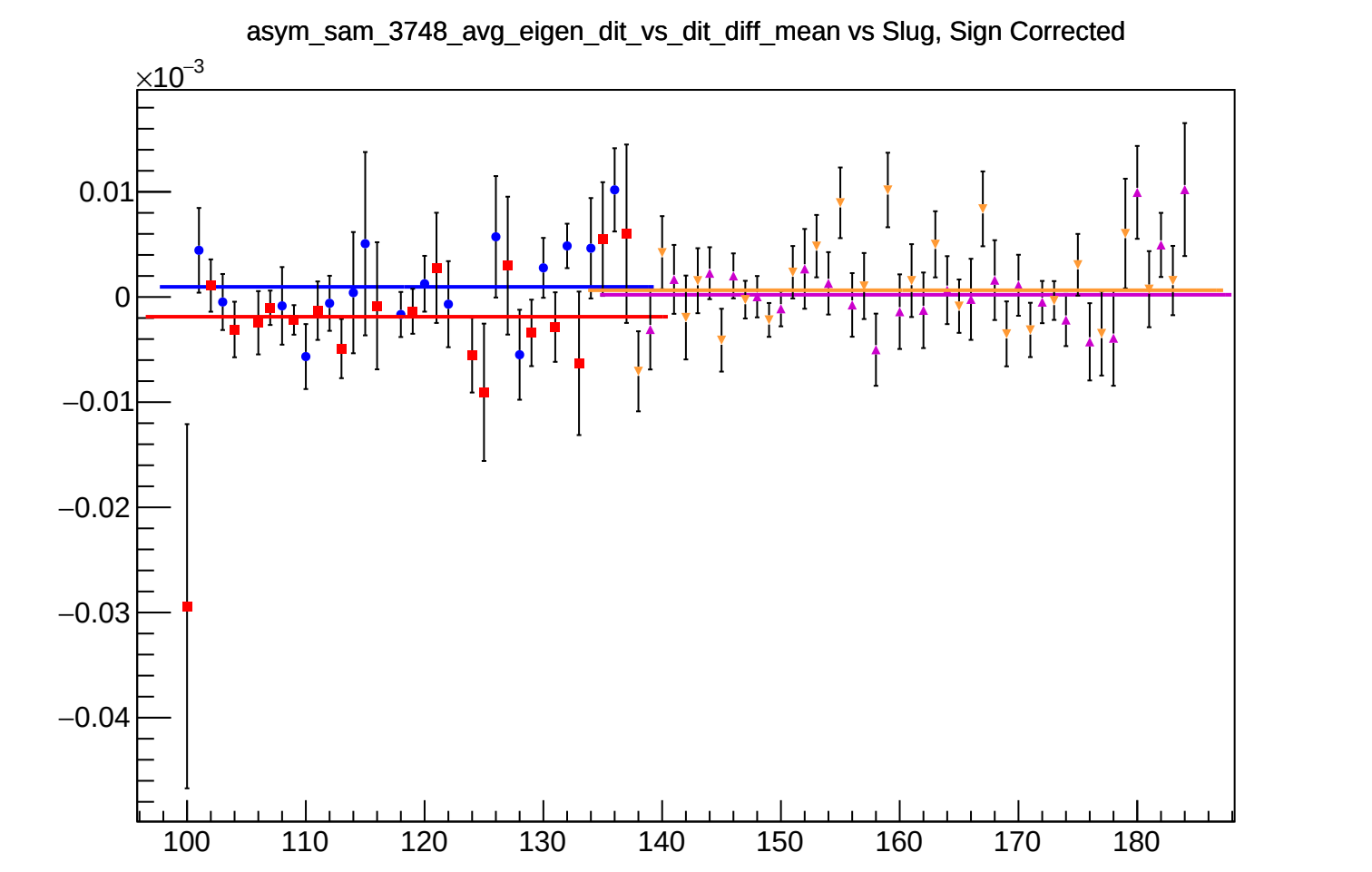
Left: 48.712+/-0.006 χ^2/NDF: 7009353.6/46

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 42.234+/-0.007 χ^2/NDF:5325208.0/38

Out: 41.190+/-0.006 χ^2/NDF:7377635.6/42

All: 41.697+/-0.005 χ^2/NDF: 12715977.7/81



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:19.8/22

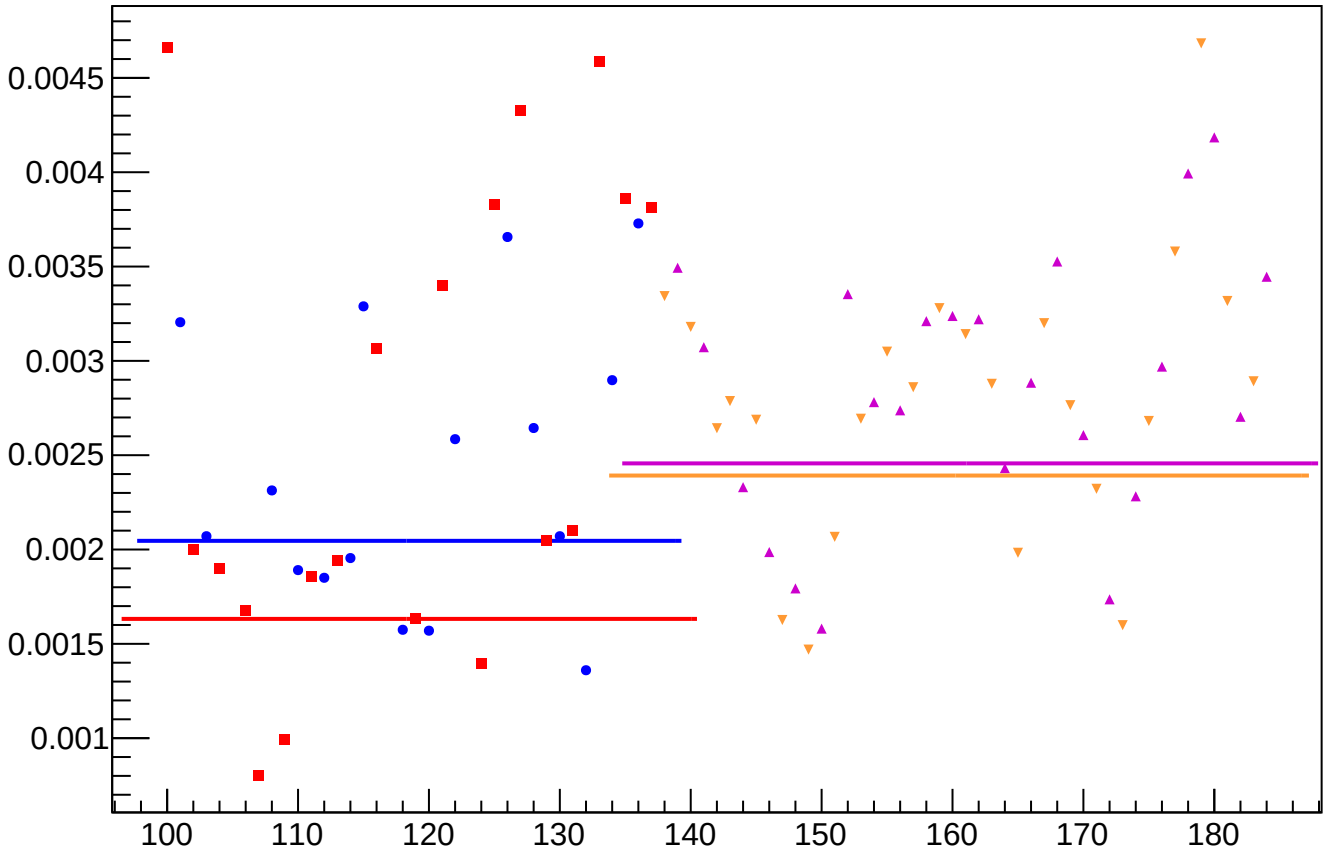
Left: 0.000+/-0.000 χ^2/NDF: 61.6/46

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:41.2/38

Out: -0.000+/-0.000 χ^2/NDF:62.6/42

All: -0.000+/-0.000 χ^2/NDF: 105.8/81



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:2629718.7/22

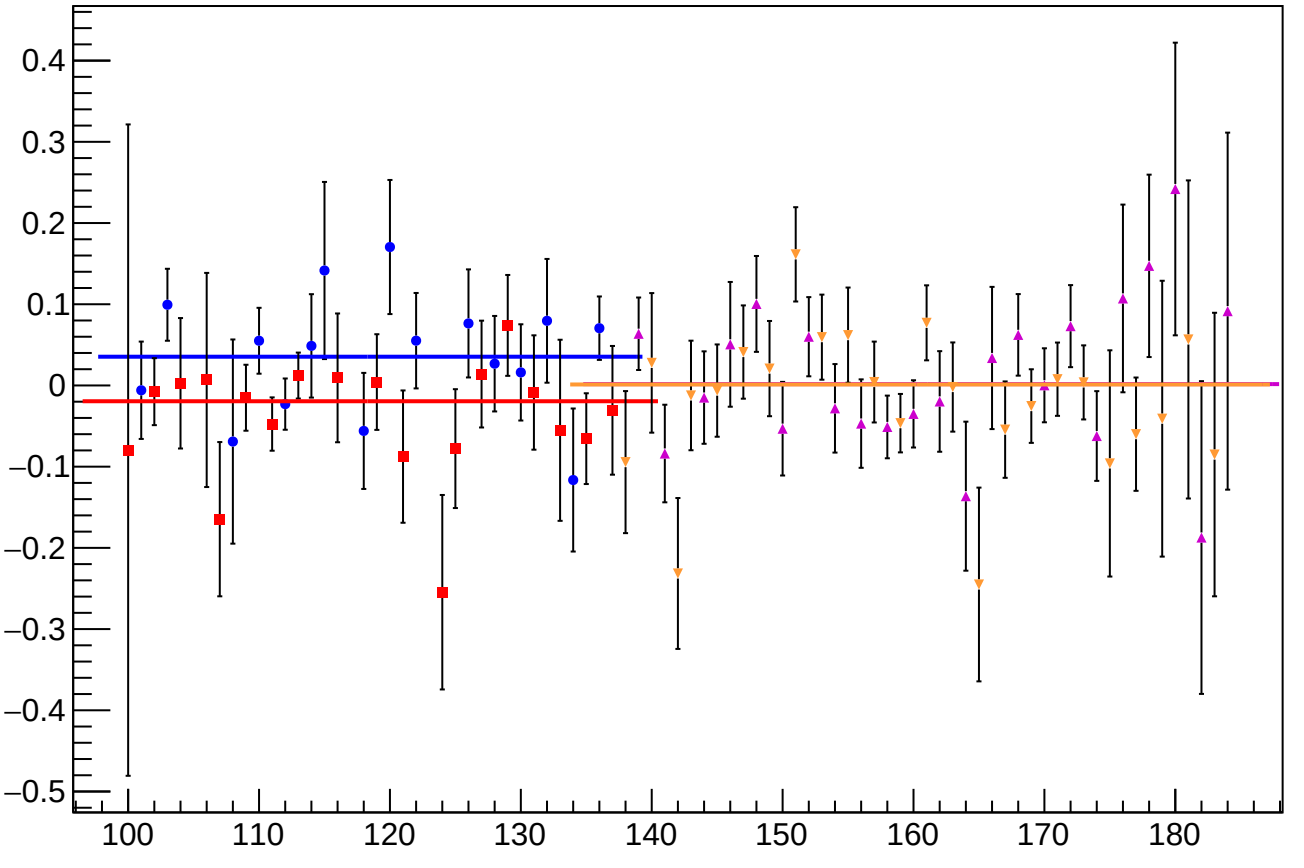
Left: 0.002+/-0.000 χ^2/NDF: 5710228.7/46

Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:4222190.1/38

Out: 0.002+/-0.000 χ^2/NDF:7478540.8/42

All: 0.002+/-0.000 χ^2/NDF: 11973417.9/81



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: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.001+/-0.009 χ^2/NDF: 55.8/46

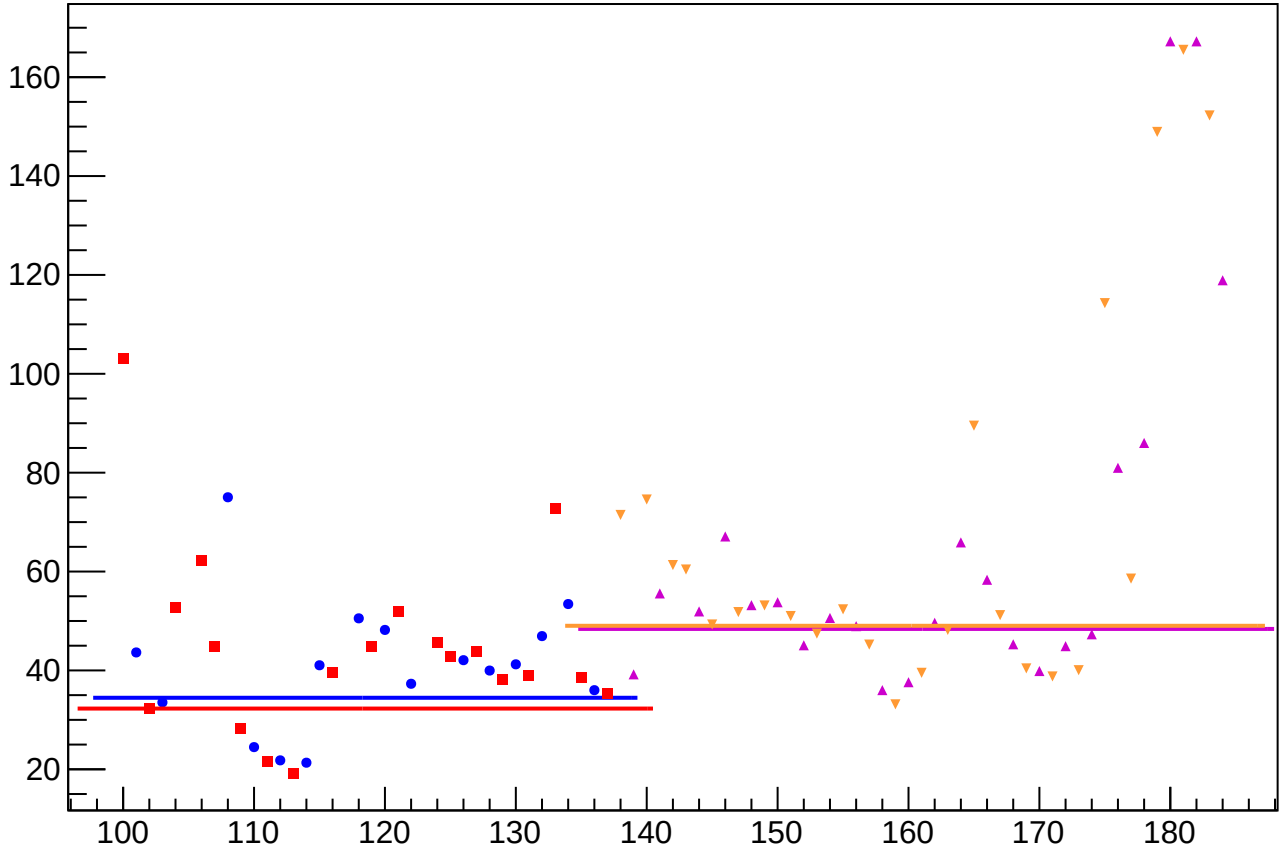
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.017+/-0.009 χ^2/NDF:46.3/38

Out: -0.008+/-0.009 χ^2/NDF:44.5/42

All: 0.004+/-0.006 χ^2/NDF: 94.5/81

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: 48.393+/-0.009 χ^2/NDF:3033208.4/22

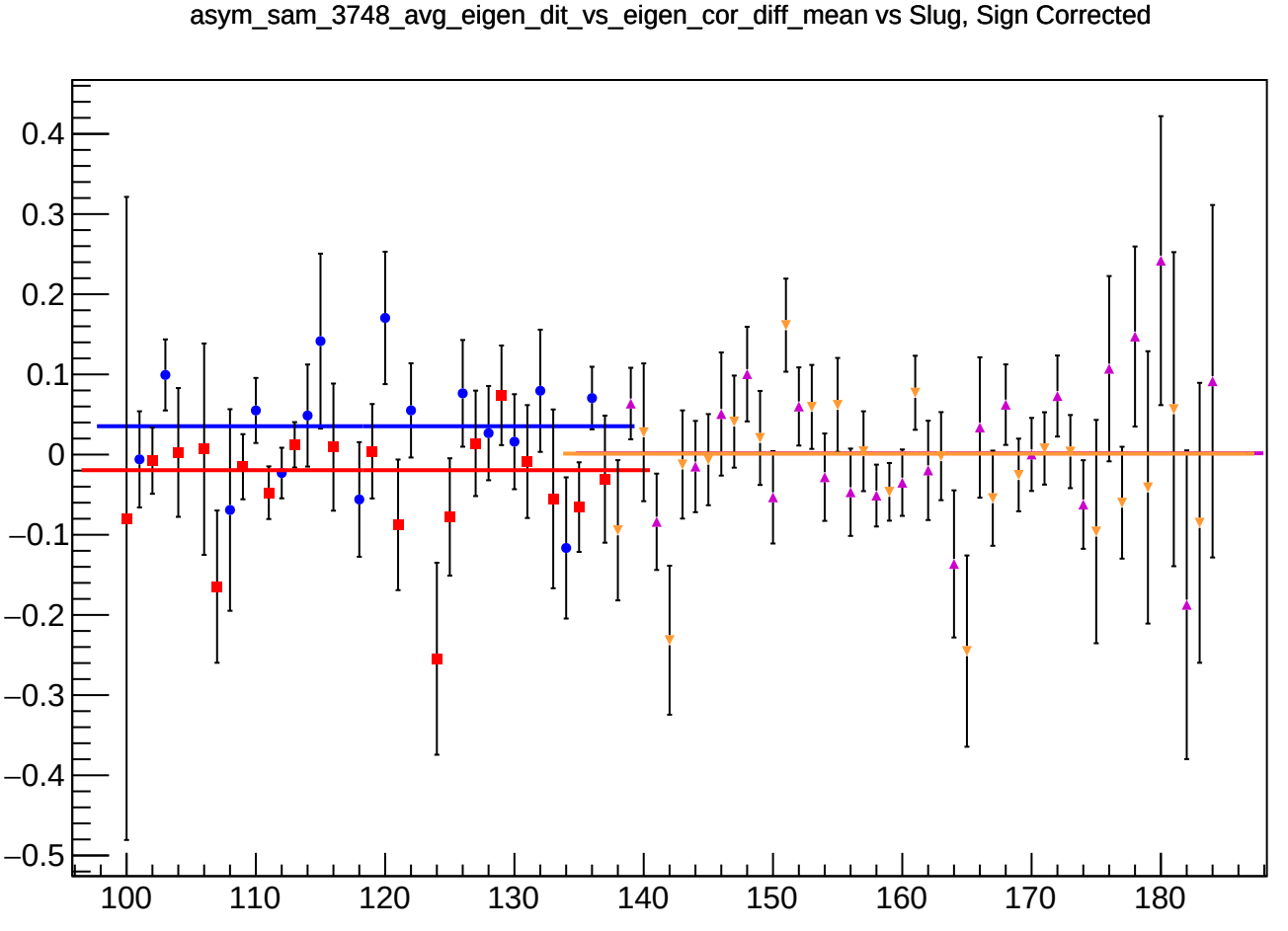
Left: 48.712+/-0.006 χ^2/NDF: 7009298.0/46

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 42.234+/-0.007 χ^2/NDF:5325143.6/38

Out: 41.190+/-0.006 χ^2/NDF:7377589.1/42

All: 41.697+/-0.005 χ^2/NDF: 12715865.8/81



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: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.001+/-0.009 χ^2/NDF: 55.8/46

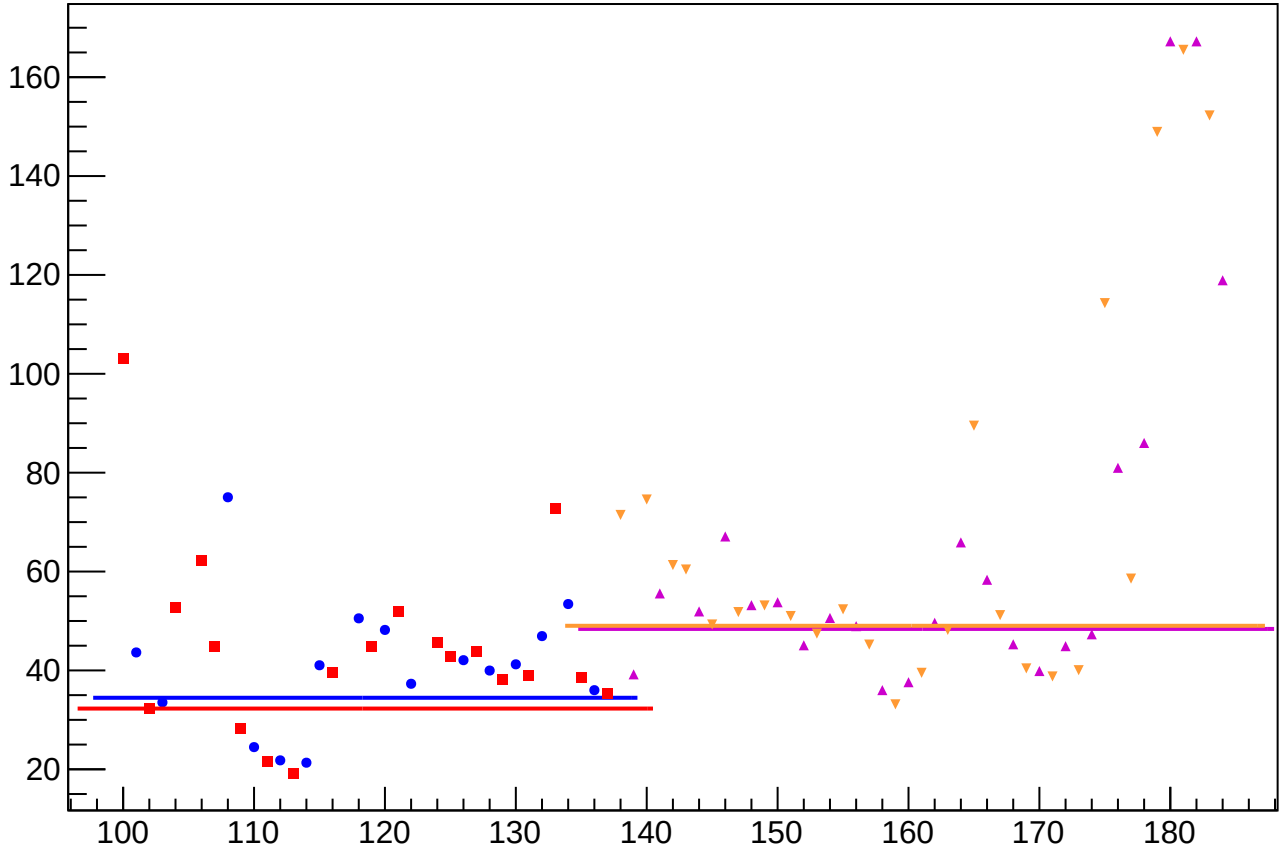
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.017+/-0.009 χ^2/NDF:46.3/38

Out: -0.008+/-0.009 χ^2/NDF:44.5/42

All: 0.004+/-0.006 χ^2/NDF: 94.5/81

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: 48.393+/-0.009 χ^2/NDF:3033208.4/22

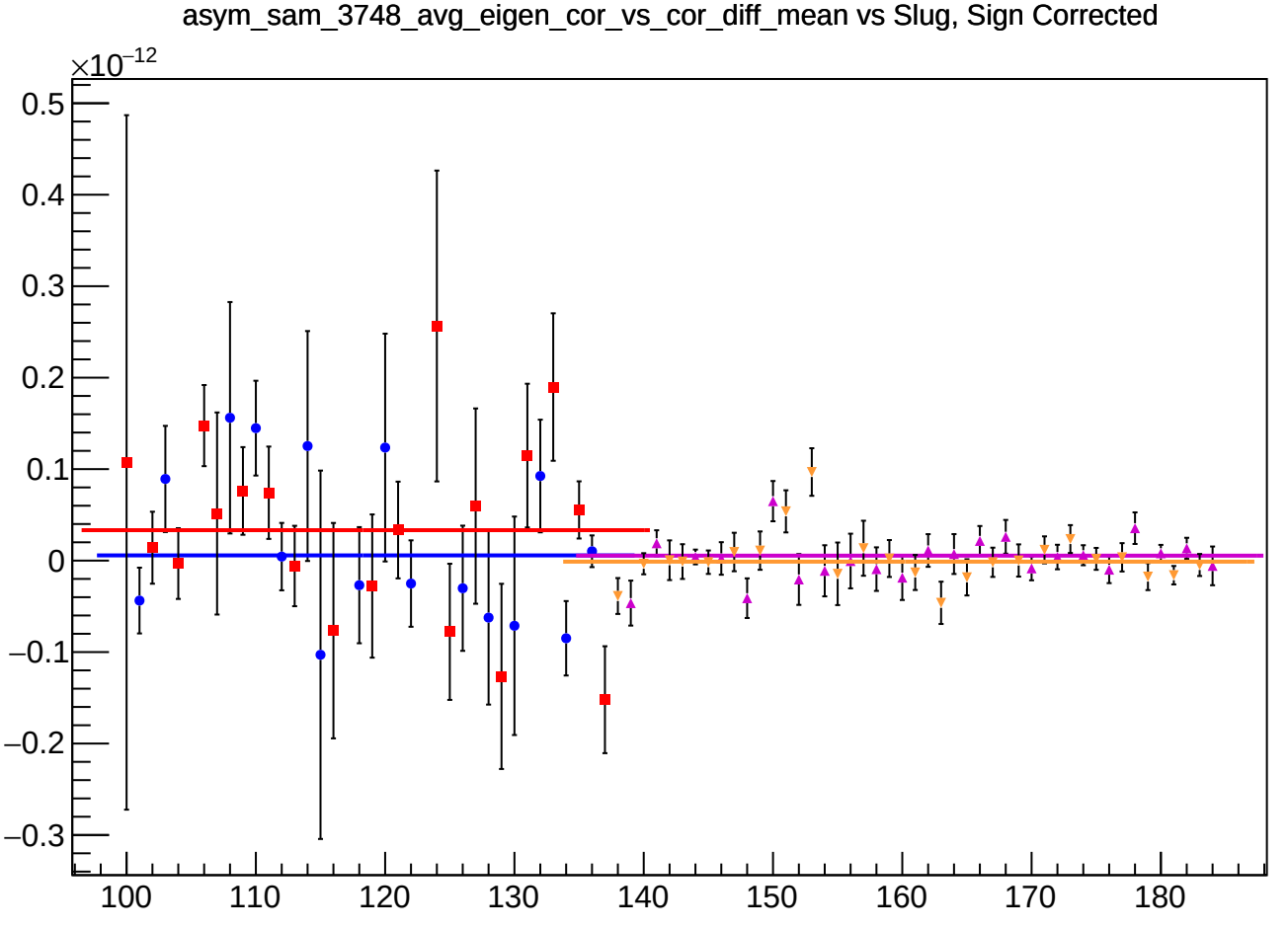
Left: 48.712+/-0.006 χ^2/NDF: 7009298.0/46

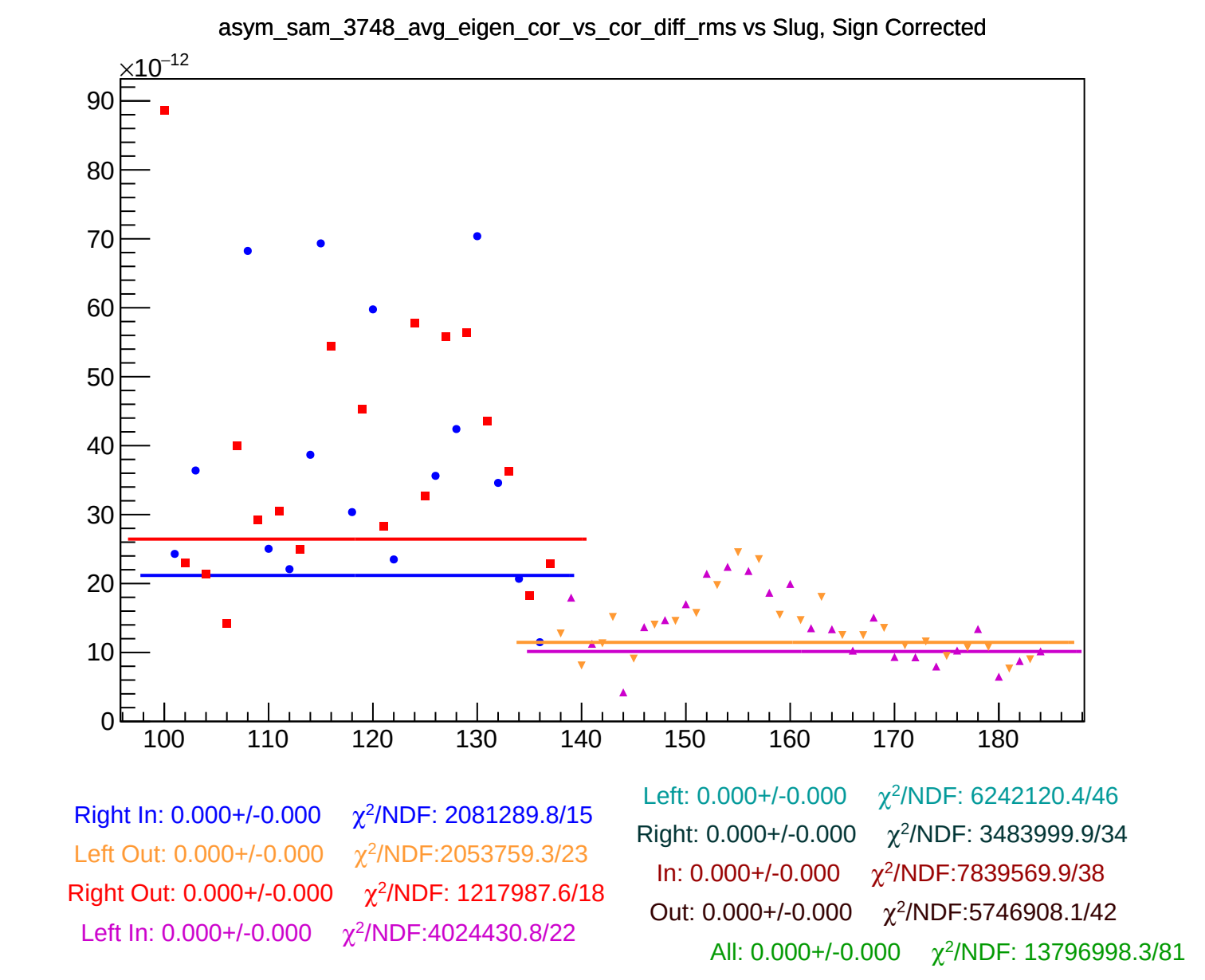
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

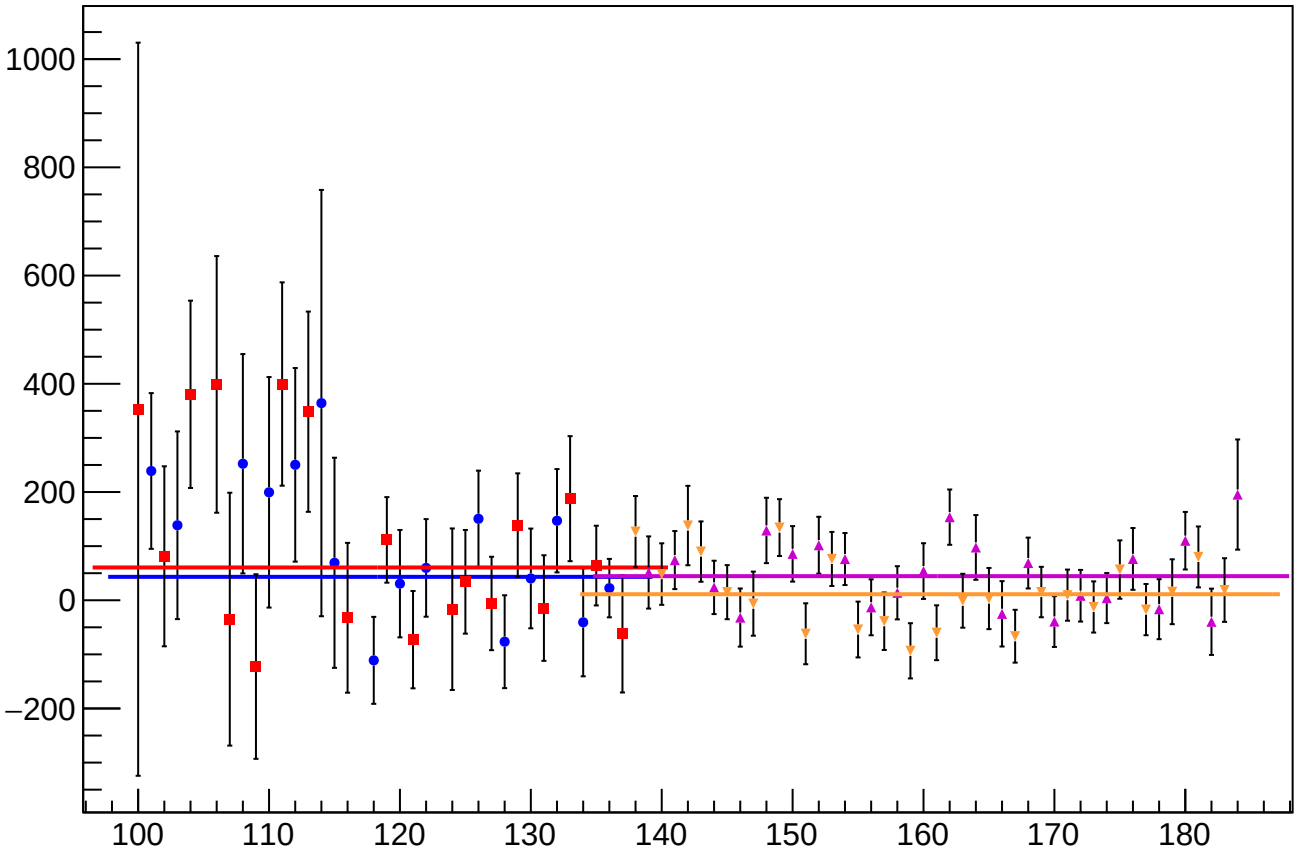
In: 42.234+/-0.007 χ^2/NDF:5325143.6/38

Out: 41.190+/-0.006 χ^2/NDF:7377589.1/42

All: 41.697+/-0.005 χ^2/NDF: 12715865.8/81


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:28.4/22
Left: 0.000+/-0.000 χ²/NDF: 67.0/46
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:52.0/38
Out: 0.000+/-0.000 χ²/NDF:76.6/42
All: 0.000+/-0.000 χ²/NDF: 129.6/81


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2053759.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:4024430.8/22
Left: 0.000+/-0.000 χ²/NDF: 6242120.4/46
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:7839569.9/38
Out: 0.000+/-0.000 χ²/NDF:5746908.1/42
All: 0.000+/-0.000 χ²/NDF: 13796998.3/81



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: 44.541+/-11.149 χ^2/NDF:27.0/22

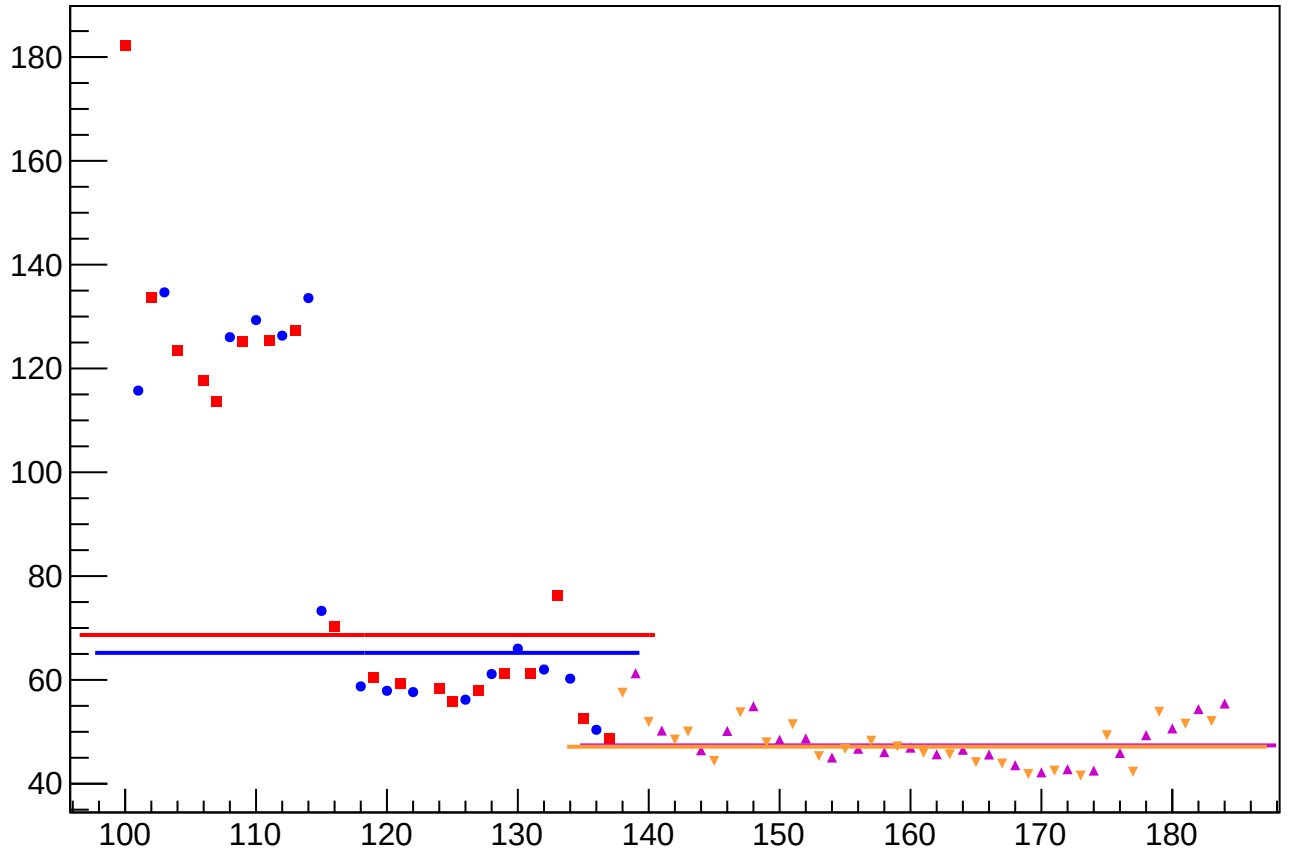
Left: 27.409+/-7.779 χ^2/NDF: 63.2/46

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 44.337+/-10.233 χ^2/NDF:42.0/38

Out: 18.085+/-10.069 χ^2/NDF:54.9/42

All: 30.999+/-7.177 χ^2/NDF: 100.2/81



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: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.254+/-0.006 χ^2/NDF: 554344.0/46

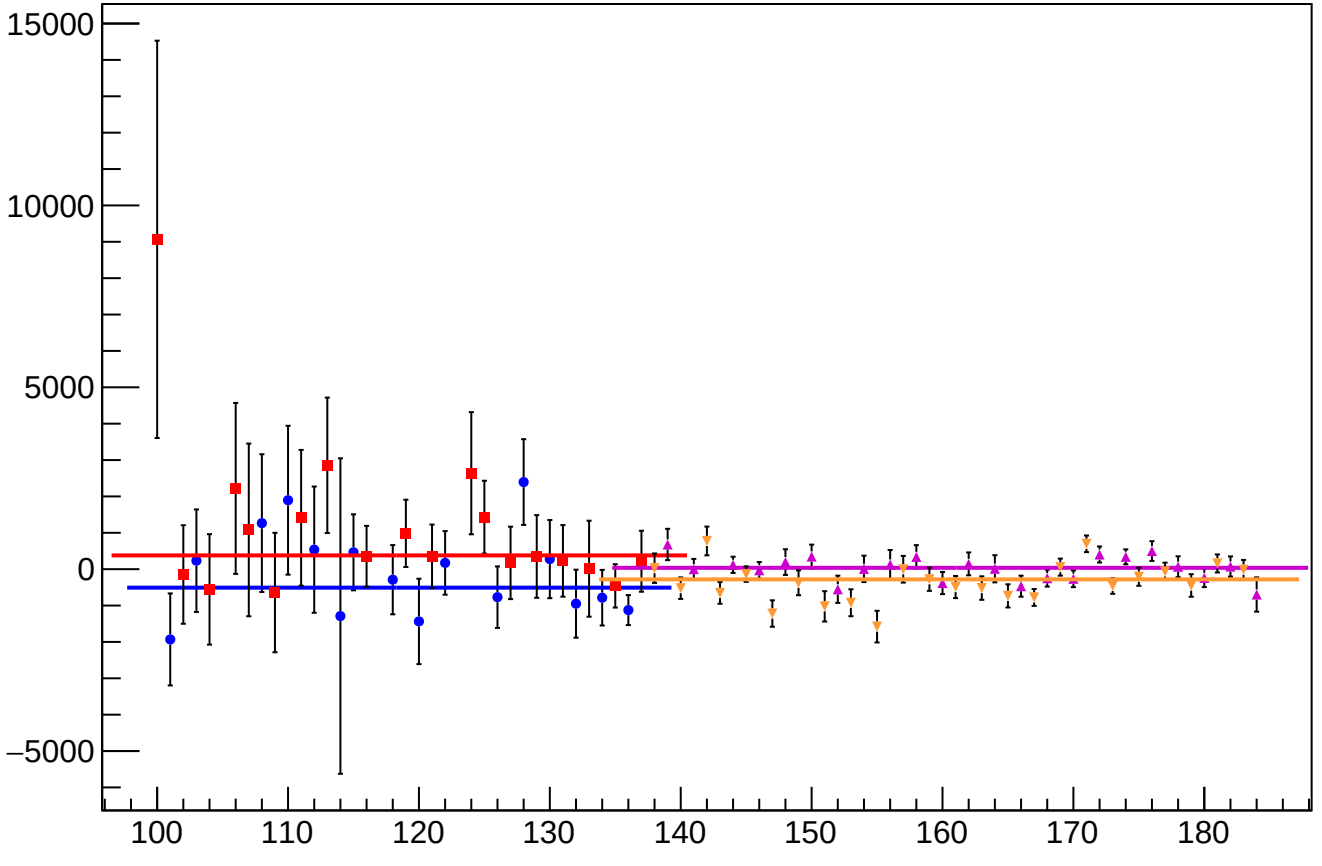
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 50.192+/-0.007 χ^2/NDF:2523363.8/38

Out: 50.149+/-0.007 χ^2/NDF:3025192.6/42

All: 50.170+/-0.005 χ^2/NDF: 5548574.8/81

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: 37.530+/-59.159 χ^2/NDF:26.6/22

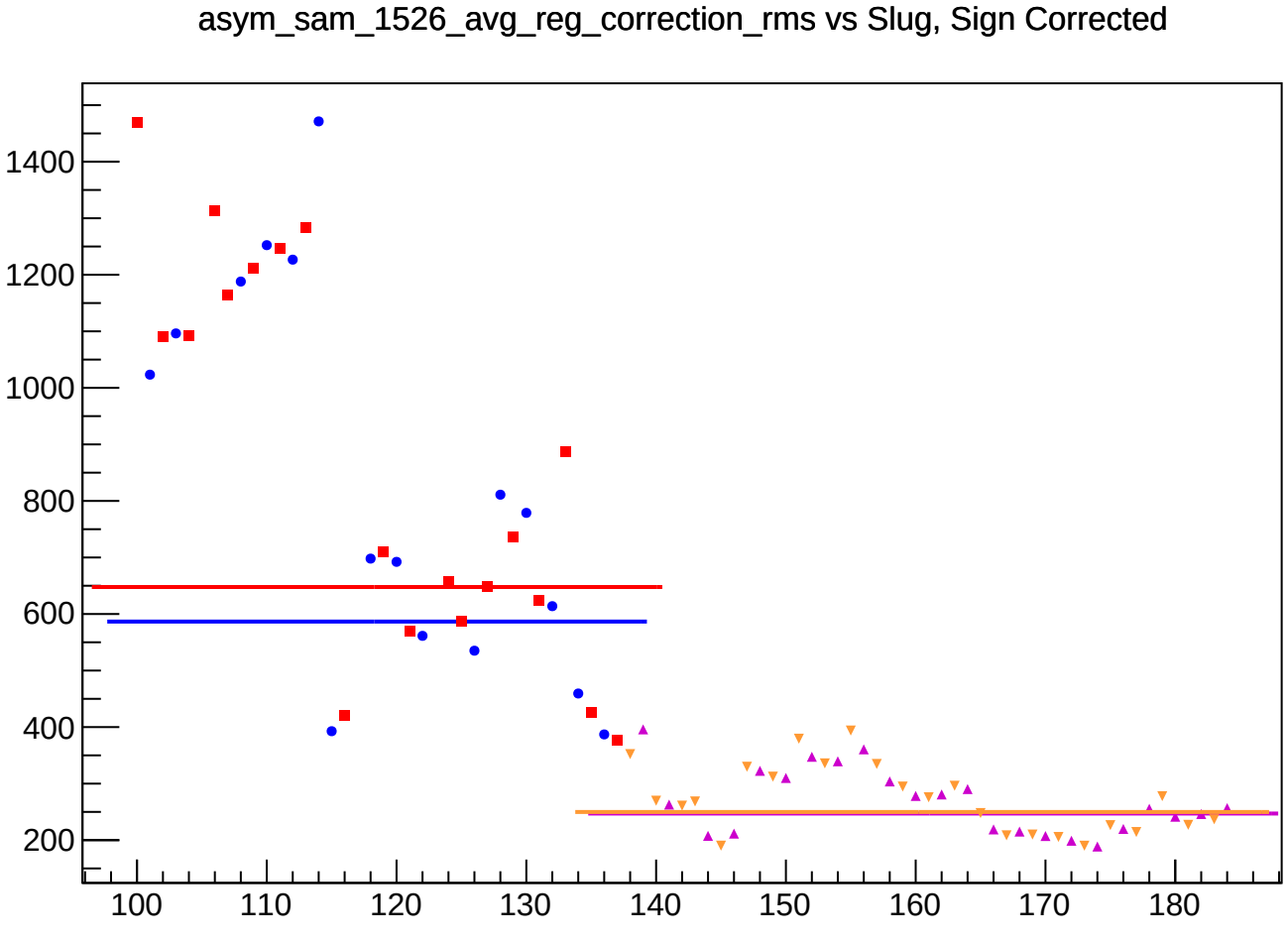
Left: -122.729+/-41.652 χ^2/NDF: 108.0/46

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: 5.522+/-57.397 χ^2/NDF:47.2/38

Out: -247.477+/-57.176 χ^2/NDF:84.9/42

All: -121.468+/-40.507 χ^2/NDF: 141.9/81



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: 247.109+/-0.042 χ^2/NDF:1484450.6/22

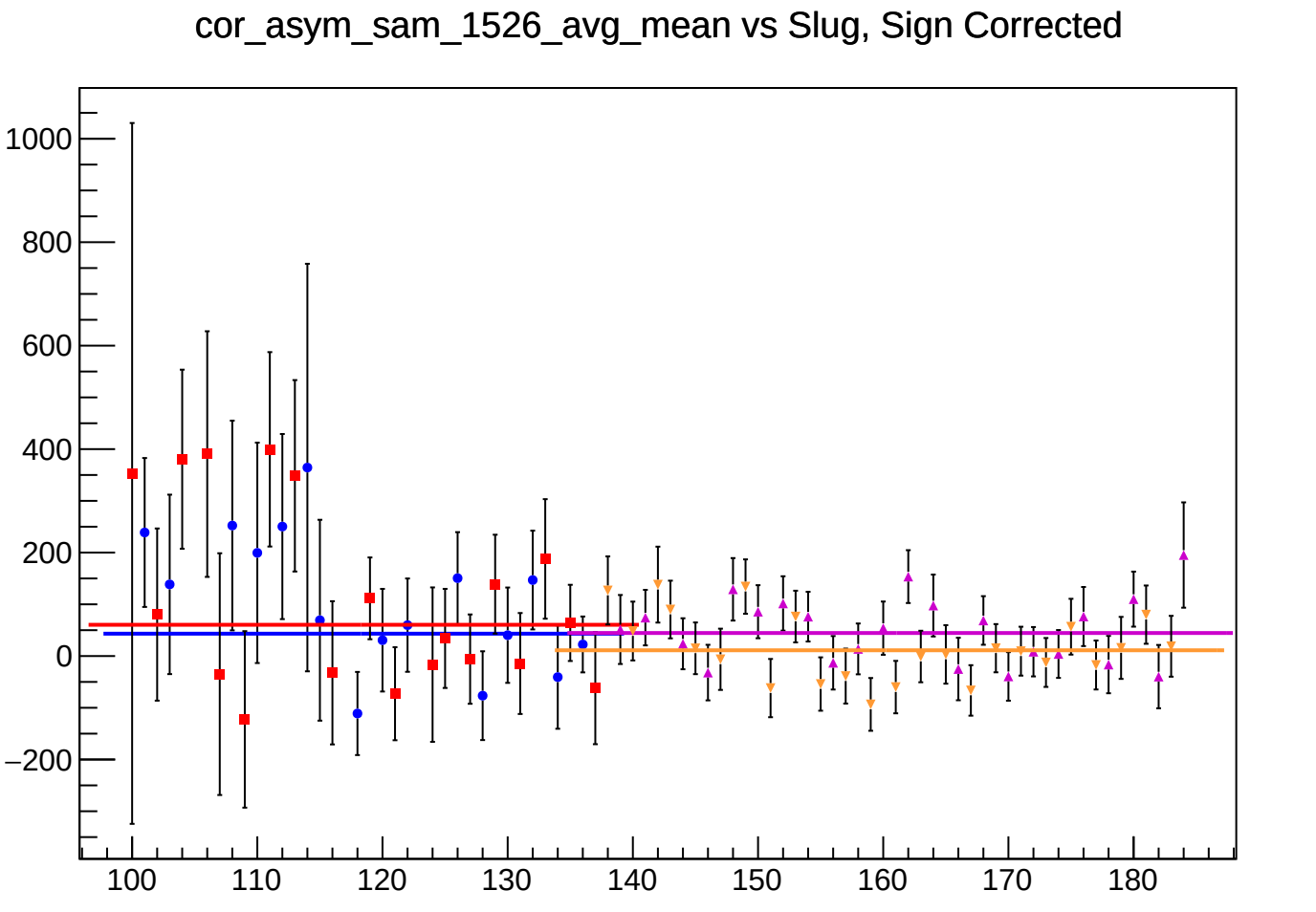
Left: 248.502+/-0.029 χ^2/NDF: 3123872.0/46

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 267.033+/-0.041 χ^2/NDF:7403434.1/38

Out: 269.654+/-0.040 χ^2/NDF:8318926.9/42

All: 268.349+/-0.029 χ^2/NDF: 15724453.9/81



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: 44.540+/-11.149 χ^2/NDF:27.0/22

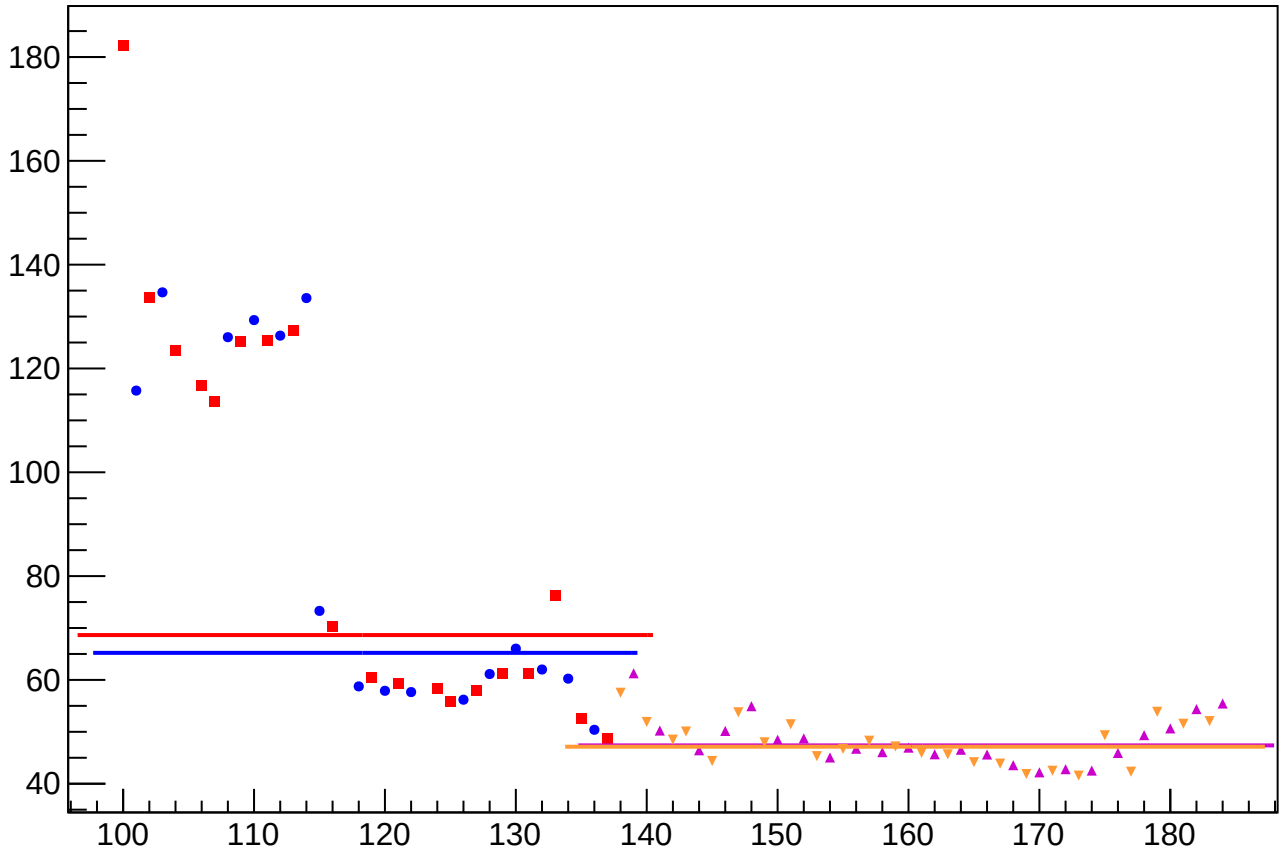
Left: 27.409+/-7.779 χ^2/NDF: 63.2/46

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 44.335+/-10.233 χ^2/NDF:42.0/38

Out: 18.065+/-10.069 χ^2/NDF:54.8/42

All: 30.988+/-7.177 χ^2/NDF: 100.1/81



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: 47.384+/-0.008 χ^2/NDF:271036.5/22

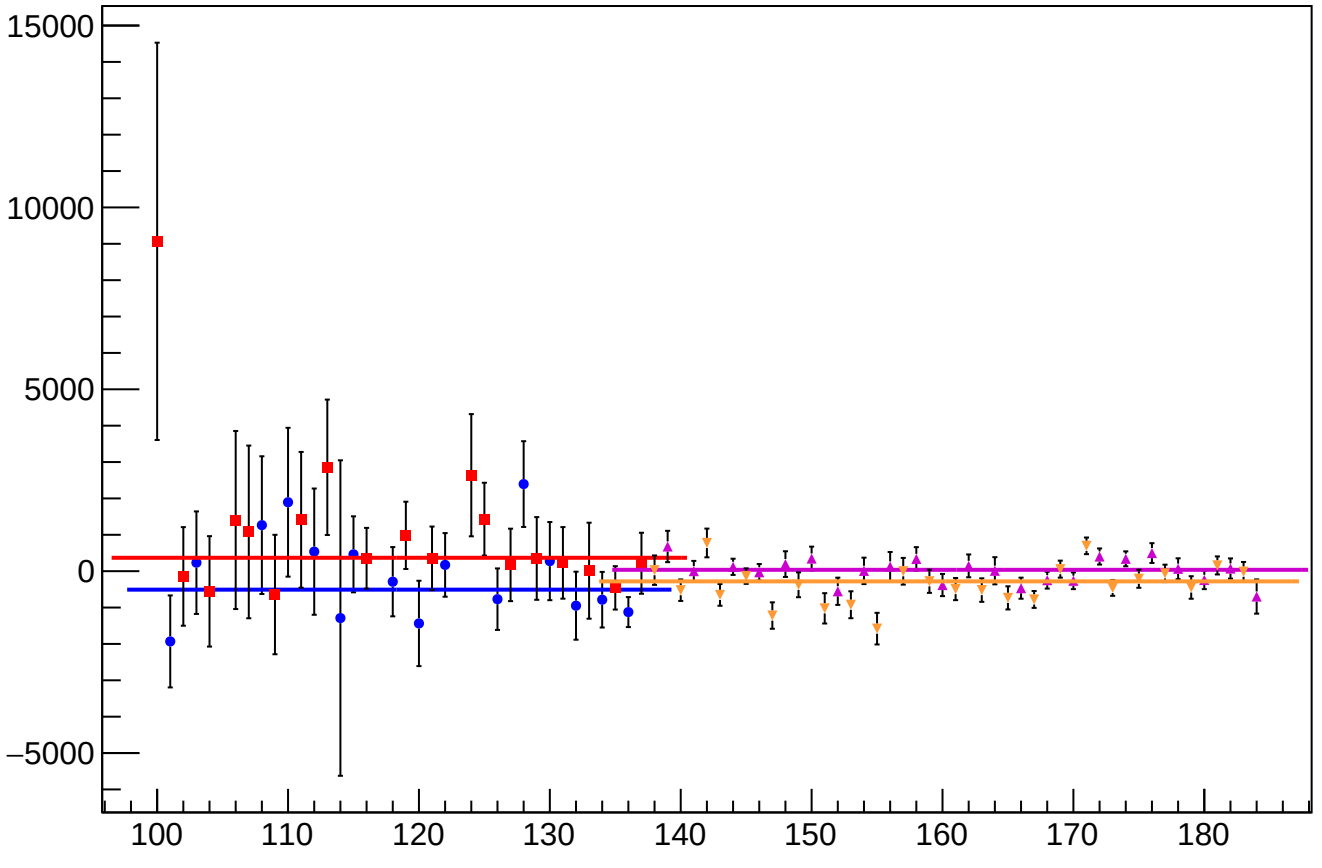
Left: 47.254+/-0.006 χ^2/NDF: 554344.0/46

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.192+/-0.007 χ^2/NDF:2523365.9/38

Out: 50.147+/-0.007 χ^2/NDF:3020320.3/42

All: 50.169+/-0.005 χ^2/NDF: 5543706.5/81



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: 37.527+/-59.159 χ^2/NDF:26.6/22

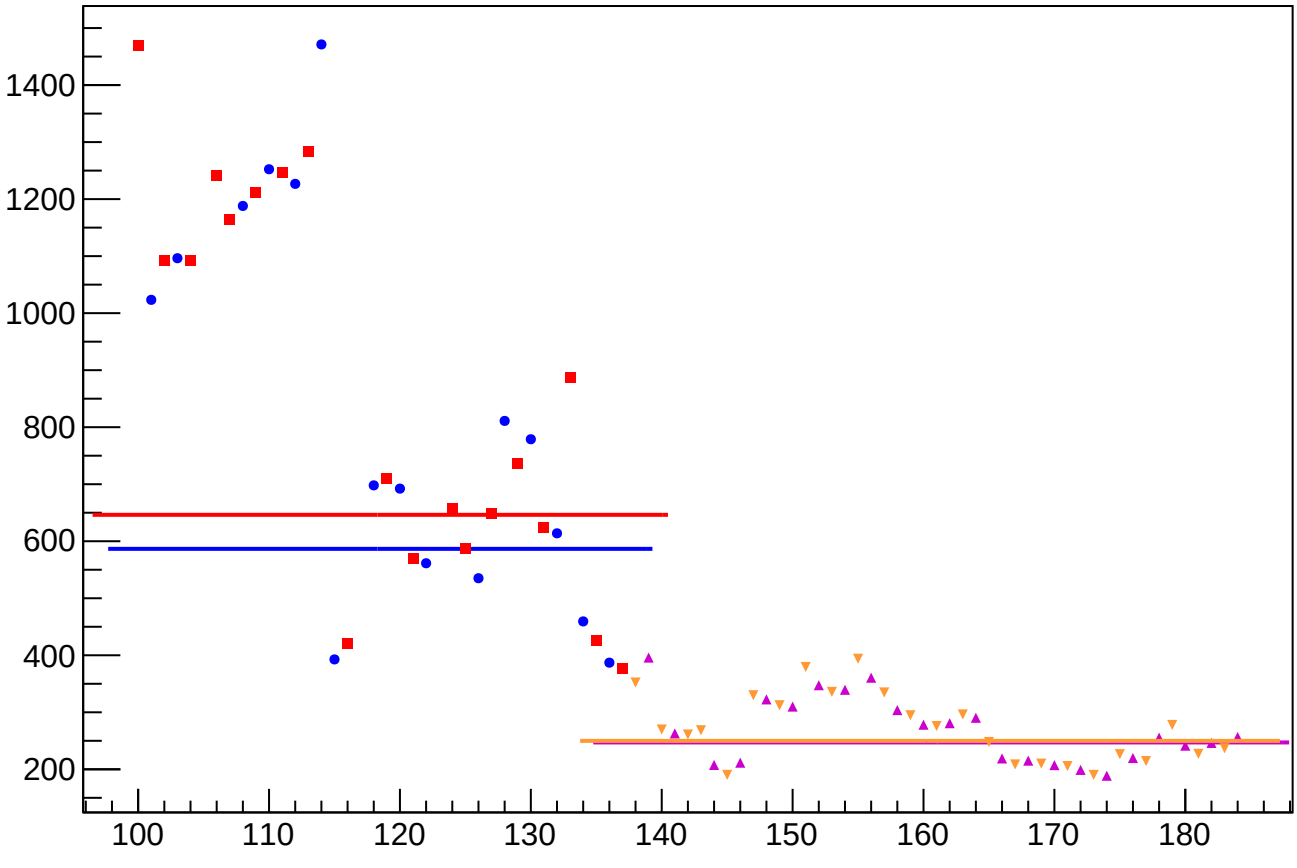
Left: -122.729+/-41.652 χ^2/NDF: 108.0/46

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 5.520+/-57.397 χ^2/NDF:47.2/38

Out: -248.030+/-57.177 χ^2/NDF:84.2/42

All: -121.743+/-40.508 χ^2/NDF: 141.3/81



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: 247.109+/-0.042 χ^2/NDF:1484445.1/22

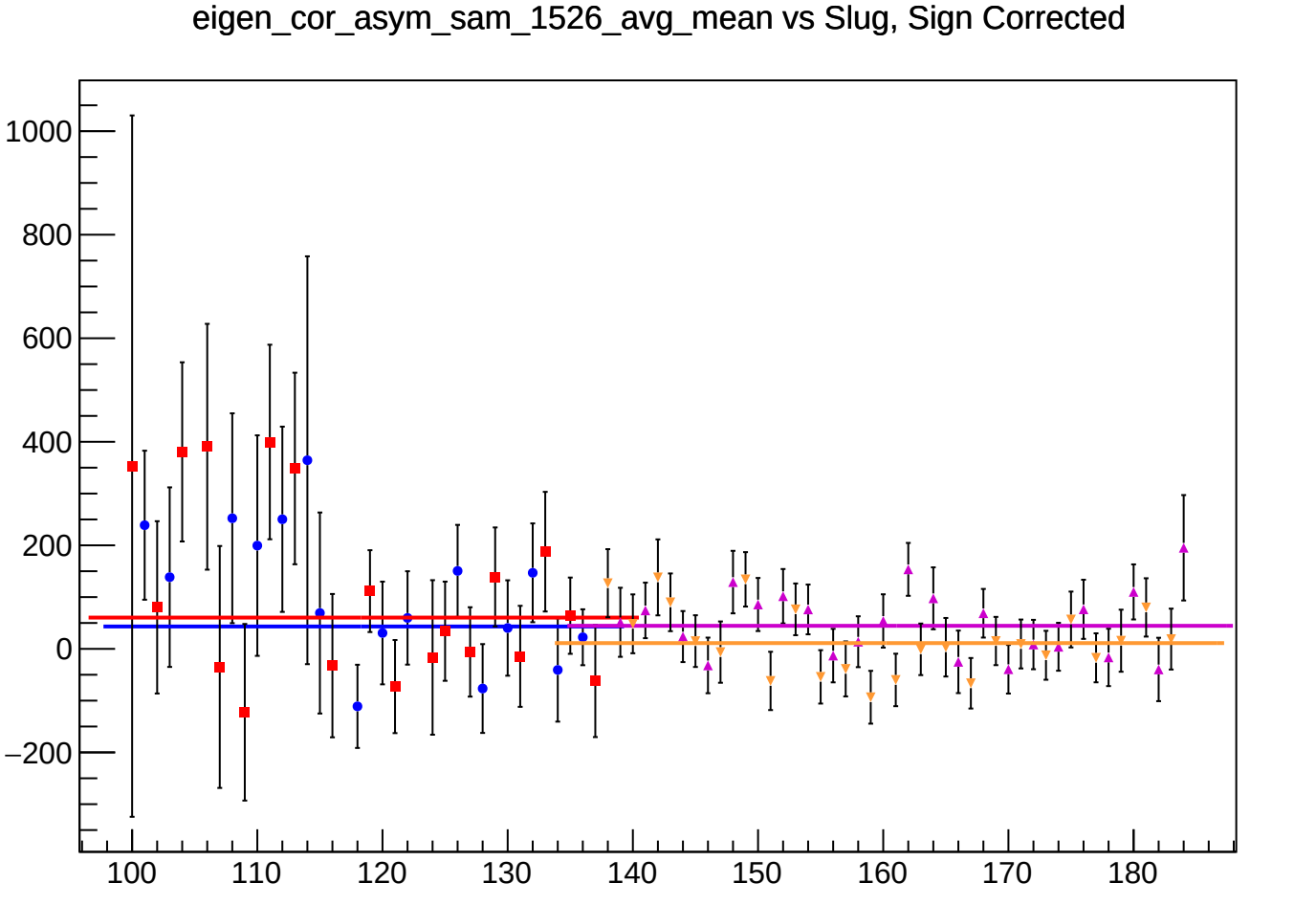
Left: 248.502+/-0.029 χ^2/NDF: 3123875.6/46

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 267.033+/-0.041 χ^2/NDF:7403444.9/38

Out: 269.565+/-0.040 χ^2/NDF:8239884.1/42

All: 268.304+/-0.029 χ^2/NDF: 15645282.3/81



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: 44.540+/-11.149 χ^2/NDF:27.0/22

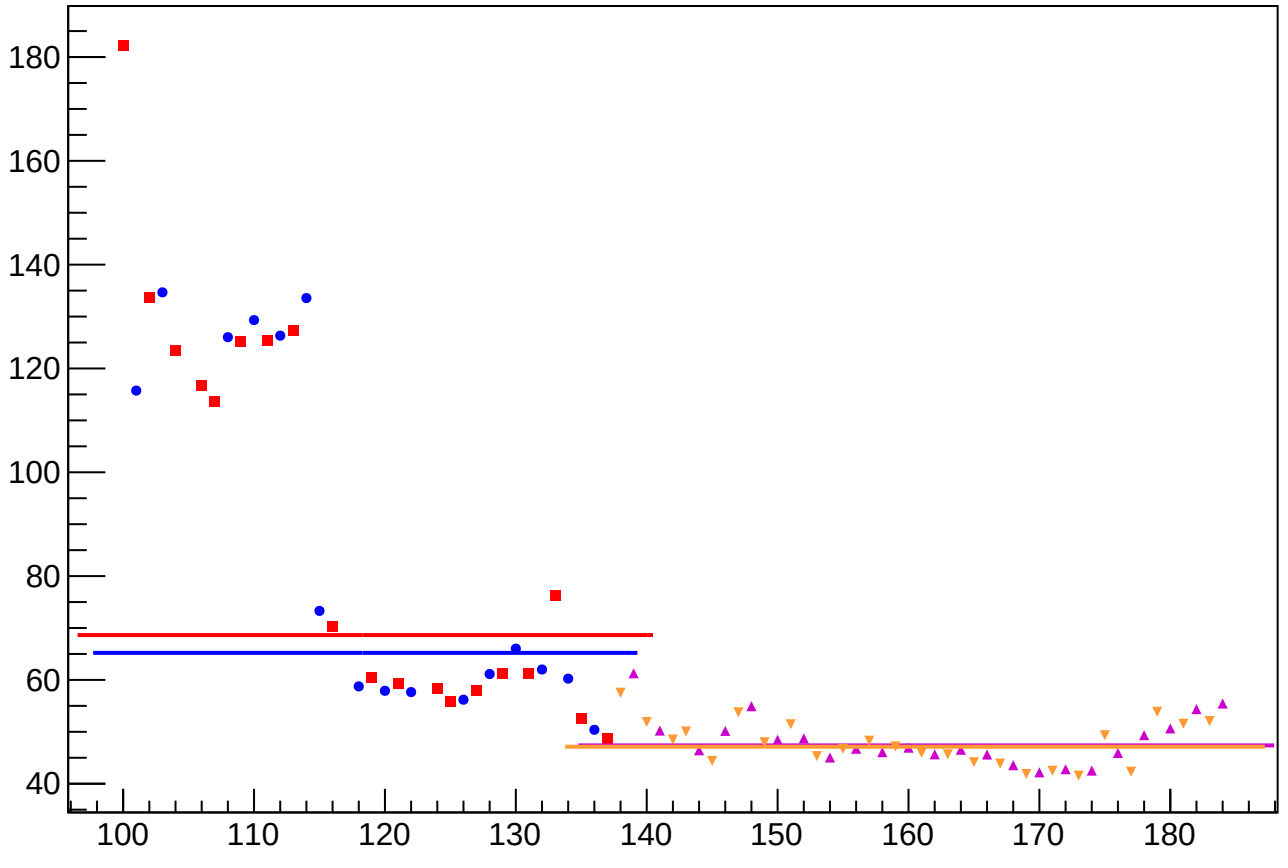
Left: 27.409+/-7.779 χ^2/NDF: 63.2/46

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 44.335+/-10.233 χ^2/NDF:42.0/38

Out: 18.065+/-10.069 χ^2/NDF:54.8/42

All: 30.988+/-7.177 χ^2/NDF: 100.1/81



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: 47.384+/-0.008 χ^2/NDF:271036.5/22

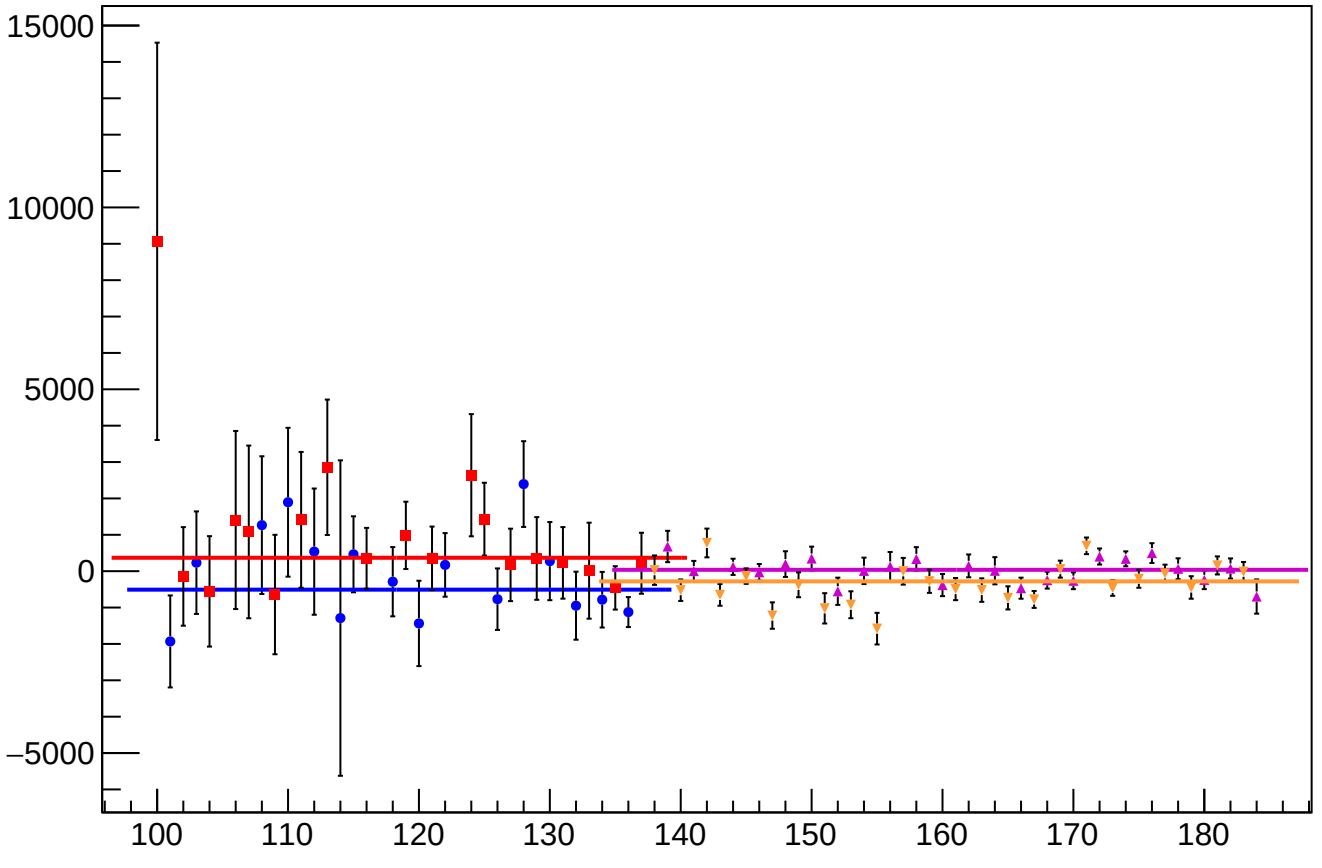
Left: 47.254+/-0.006 χ^2/NDF: 554344.0/46

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.192+/-0.007 χ^2/NDF:2523365.9/38

Out: 50.147+/-0.007 χ^2/NDF:3020320.3/42

All: 50.169+/-0.005 χ^2/NDF: 5543706.5/81



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: 37.527+/-59.159 χ^2/NDF:26.6/22

Left: -122.729+/-41.652 χ^2/NDF: 108.0/46

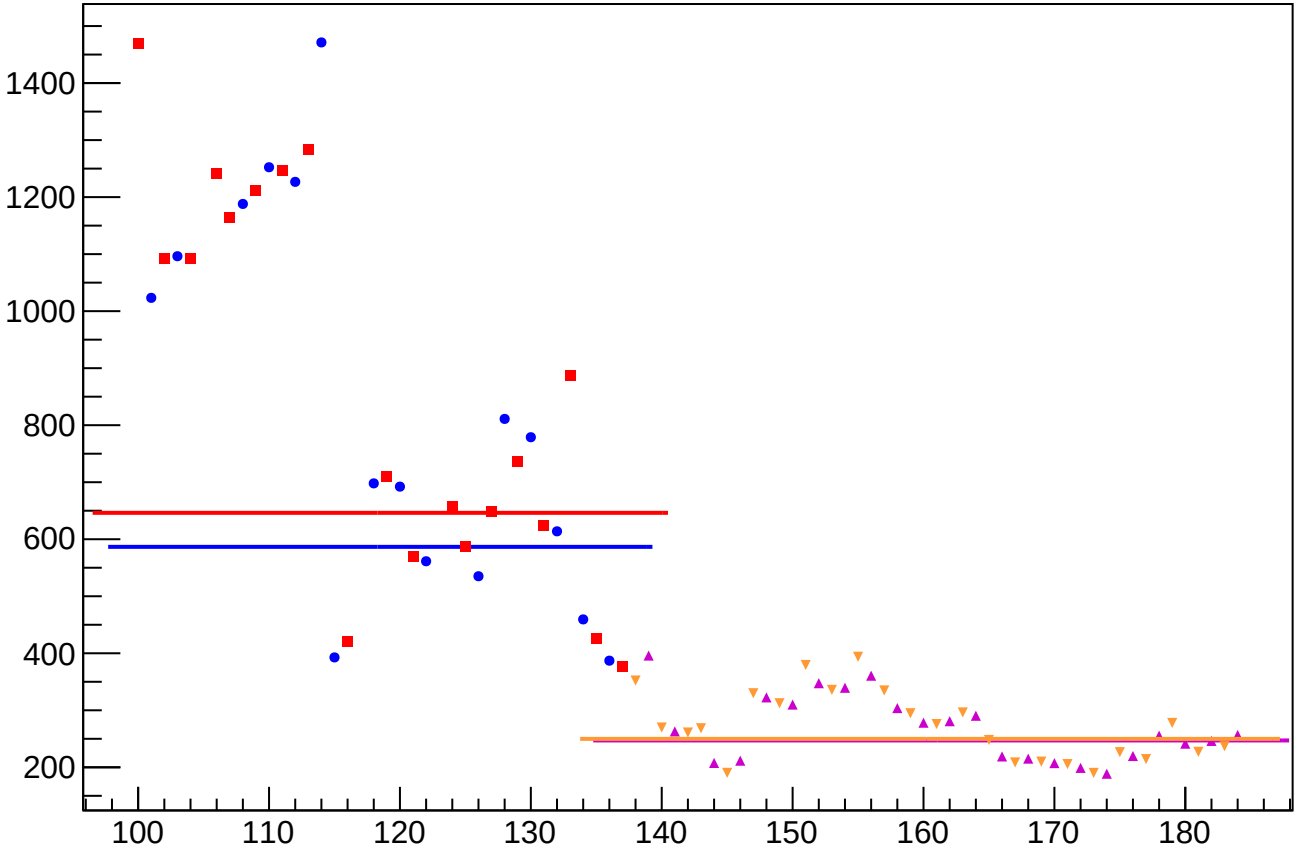
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 5.520+/-57.397 χ^2/NDF:47.2/38

Out: -248.030+/-57.177 χ^2/NDF:84.2/42

All: -121.743+/-40.508 χ^2/NDF: 141.3/81

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: 247.109+/-0.042 χ^2/NDF:1484445.1/22

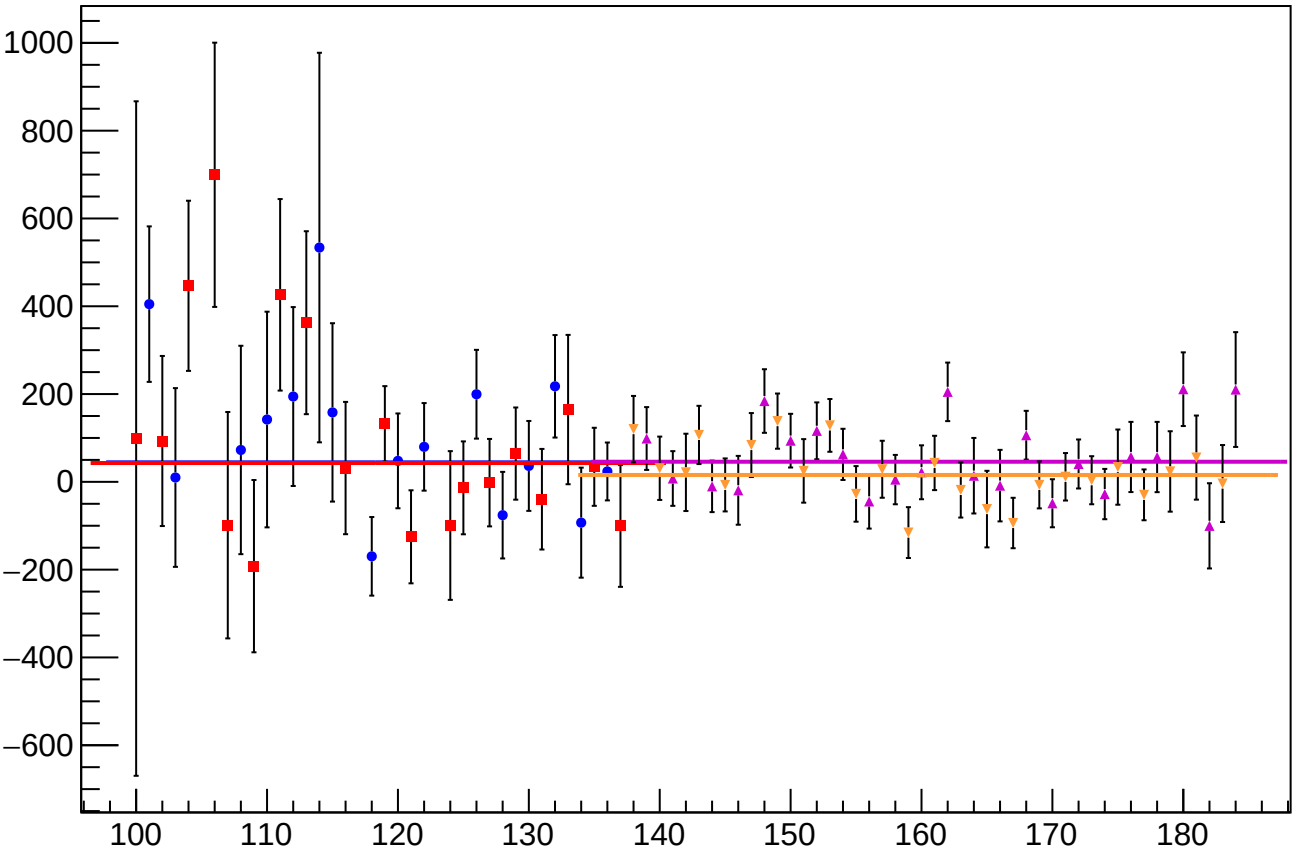
Left: 248.502+/-0.029 χ^2/NDF: 3123875.6/46

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 267.033+/-0.041 χ^2/NDF:7403444.9/38

Out: 269.565+/-0.040 χ^2/NDF:8239884.1/42

All: 268.304+/-0.029 χ^2/NDF: 15645282.3/81



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: 45.806+/-13.931 χ^2/NDF:30.7/22

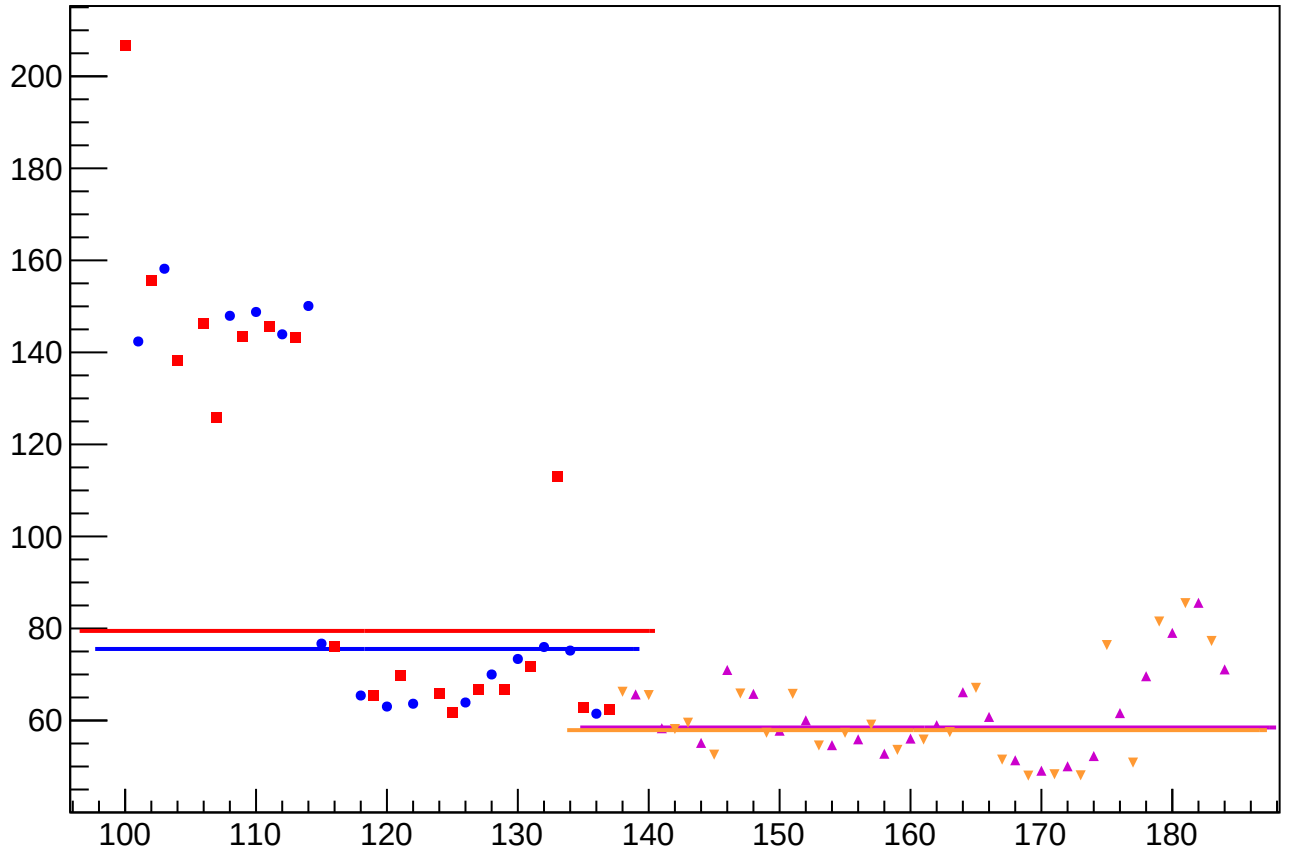
Left: 30.305+/-9.707 χ^2/NDF: 57.0/46

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 45.553+/-12.628 χ^2/NDF:50.3/38

Out: 19.976+/-12.419 χ^2/NDF:47.8/42

All: 32.551+/-8.855 χ^2/NDF: 100.2/81



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: 58.479+/-0.010 χ^2/NDF:649919.9/22

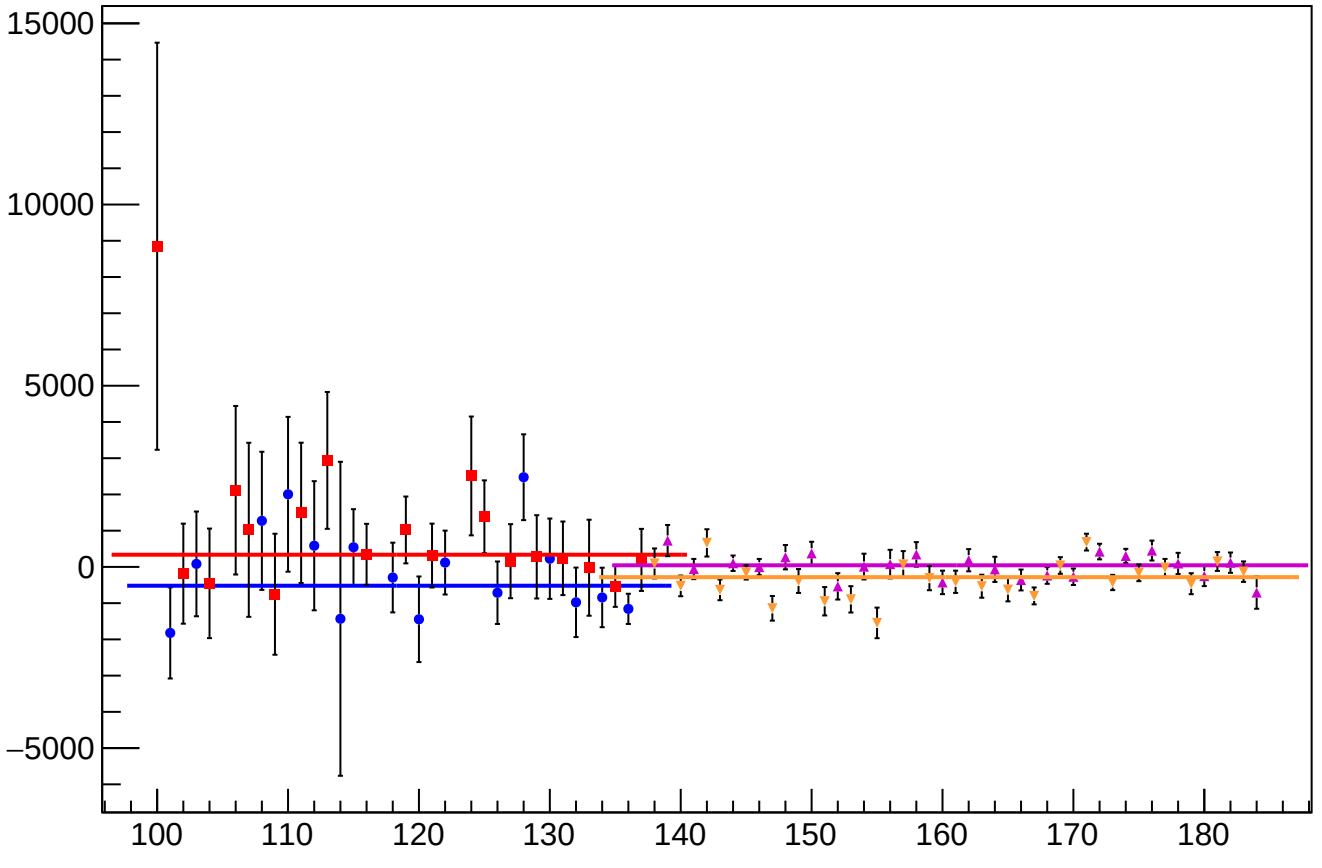
Left: 58.184+/-0.007 χ^2/NDF: 1545202.3/46

Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 61.522+/-0.009 χ^2/NDF:2650514.3/38

Out: 61.310+/-0.009 χ^2/NDF:3378925.6/42

All: 61.414+/-0.006 χ^2/NDF: 6029724.1/81



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: 44.553+/-58.614 χ^2/NDF:26.5/22

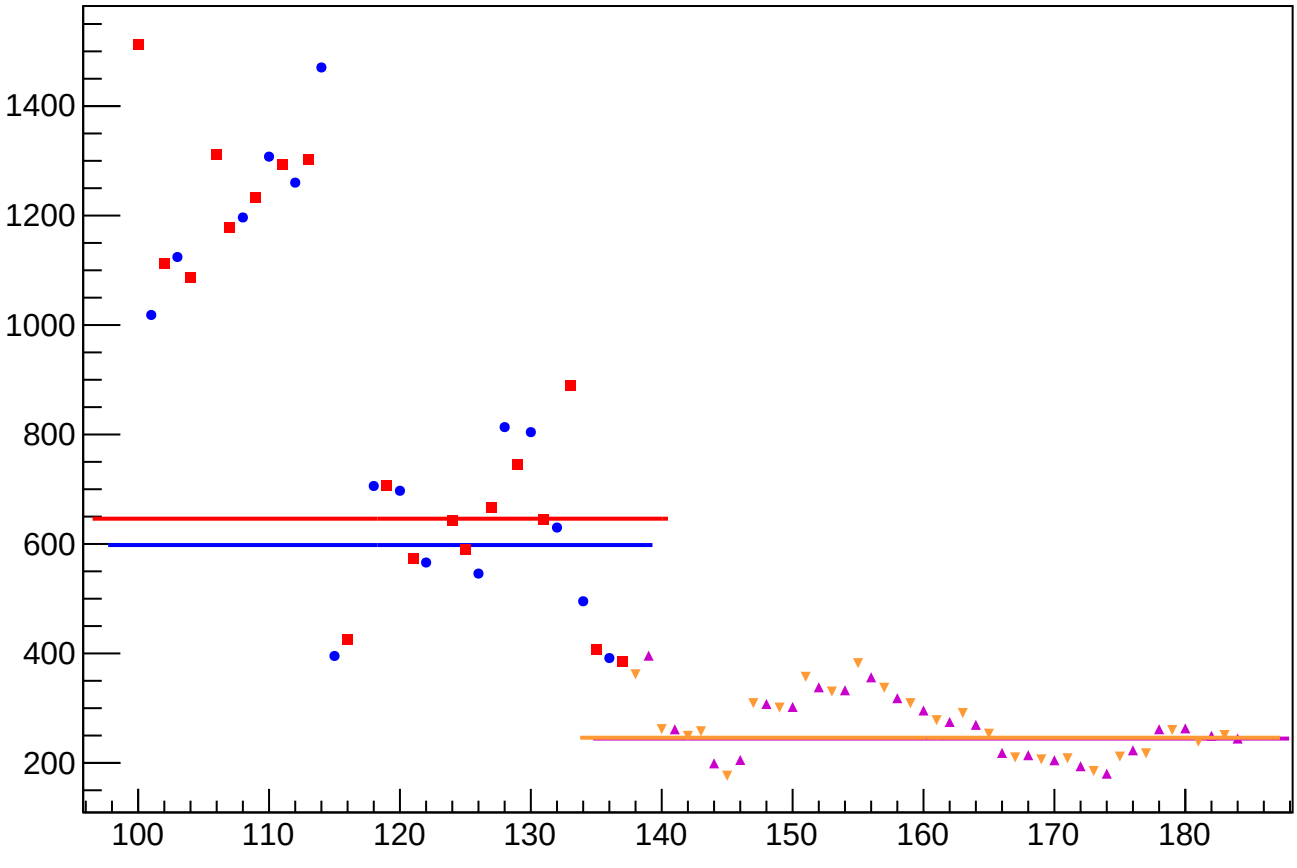
Left: -121.808+/-41.113 χ^2/NDF: 105.8/46

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: 13.143+/-56.958 χ^2/NDF:47.4/38

Out: -253.123+/-56.279 χ^2/NDF:80.9/42

All: -121.587+/-40.033 χ^2/NDF: 139.4/81



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: 244.450+/-0.041 χ^2/NDF:1596988.0/22

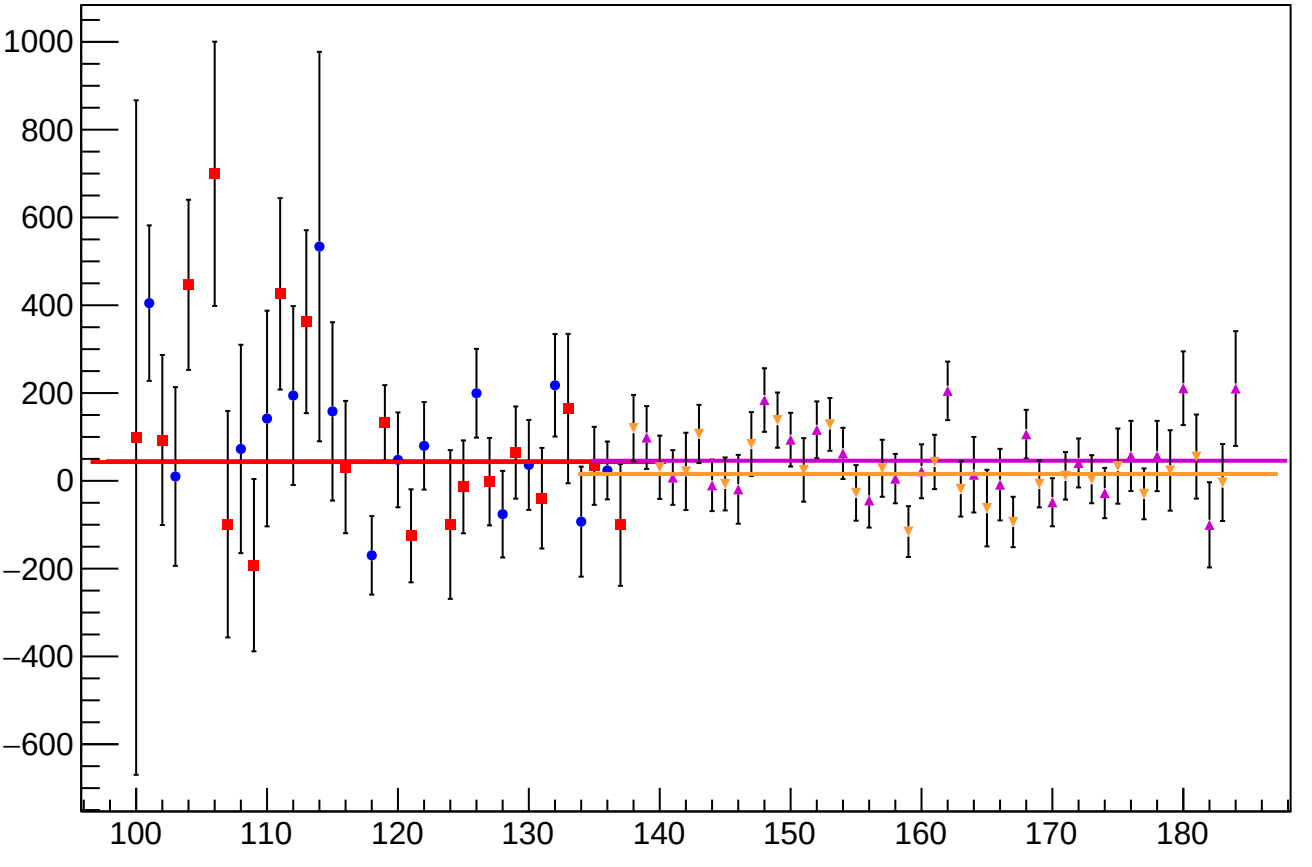
Left: 245.252+/-0.029 χ^2/NDF: 3278283.9/46

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 264.149+/-0.040 χ^2/NDF:7699627.0/38

Out: 265.276+/-0.040 χ^2/NDF:8515324.1/42

All: 264.719+/-0.028 χ^2/NDF: 16215347.4/81



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: 45.805+/-13.931 χ^2/NDF:30.7/22

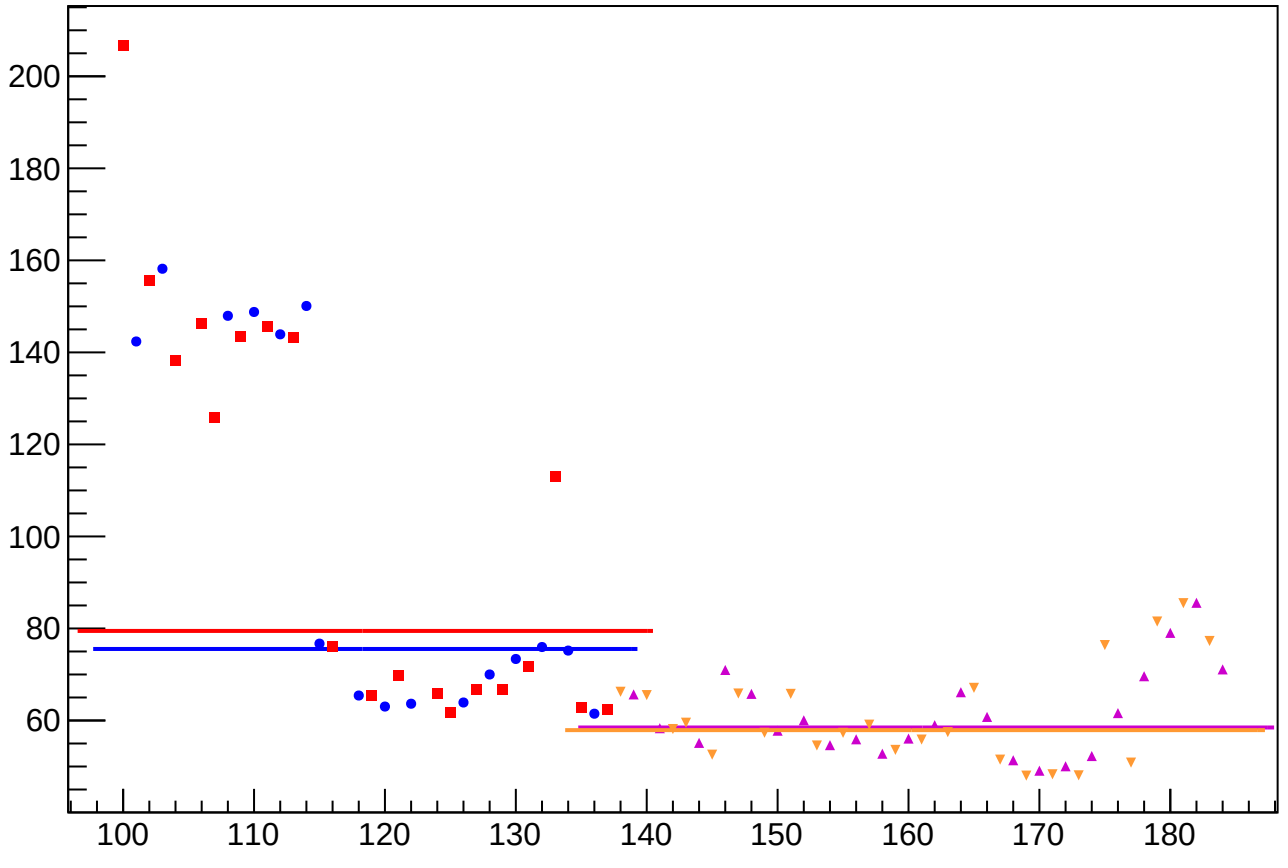
Left: 30.305+/-9.708 χ^2/NDF: 57.0/46

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 45.553+/-12.628 χ^2/NDF:50.3/38

Out: 19.975+/-12.419 χ^2/NDF:47.8/42

All: 32.551+/-8.855 χ^2/NDF: 100.2/81



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: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.184+/-0.007 χ^2/NDF: 1545199.3/46

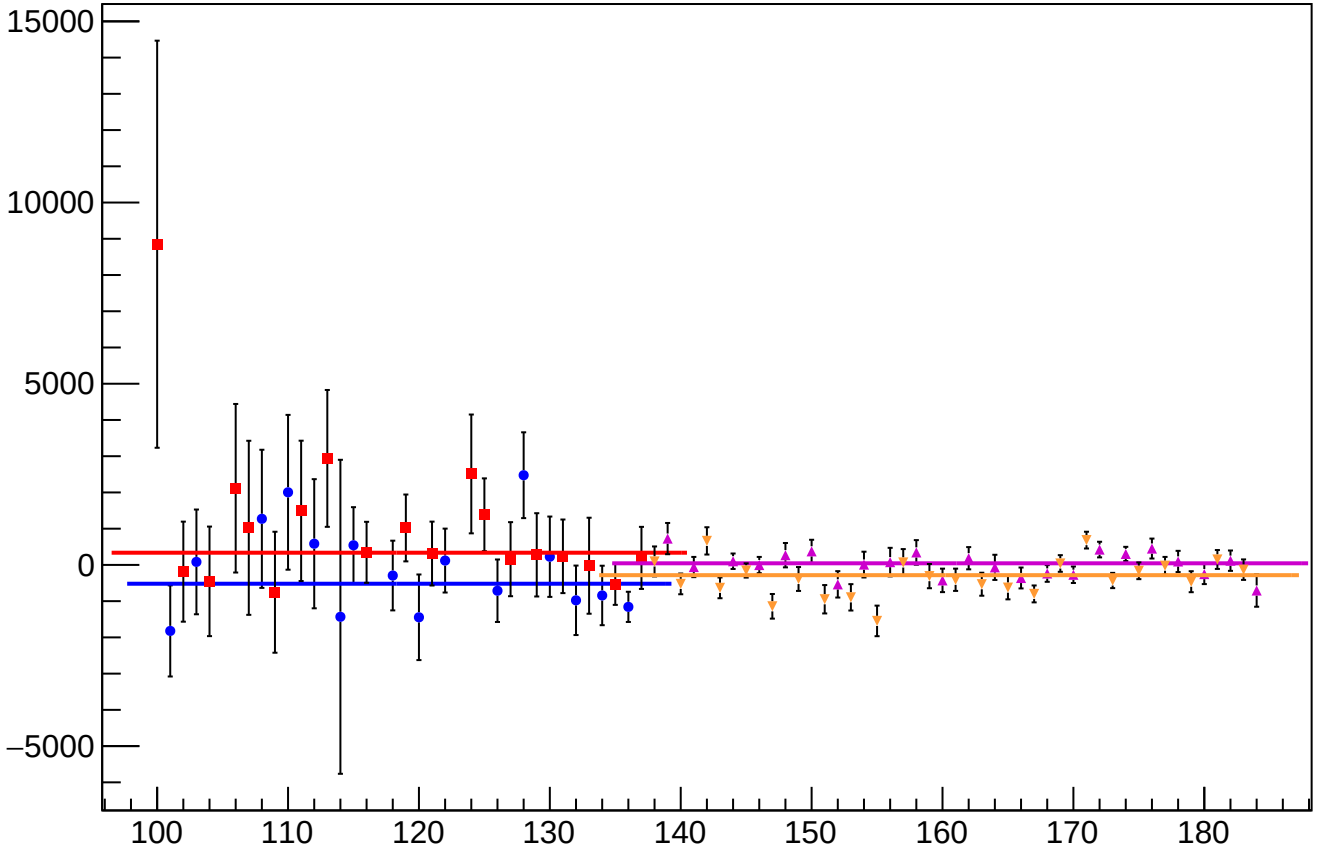
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 61.522+/-0.009 χ^2/NDF:2650464.5/38

Out: 61.310+/-0.009 χ^2/NDF:3378900.3/42

All: 61.414+/-0.006 χ^2/NDF: 6029649.1/81

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: 44.552+/-58.614 χ^2/NDF:26.5/22

Left: -121.808+/-41.113 χ^2/NDF: 105.8/46

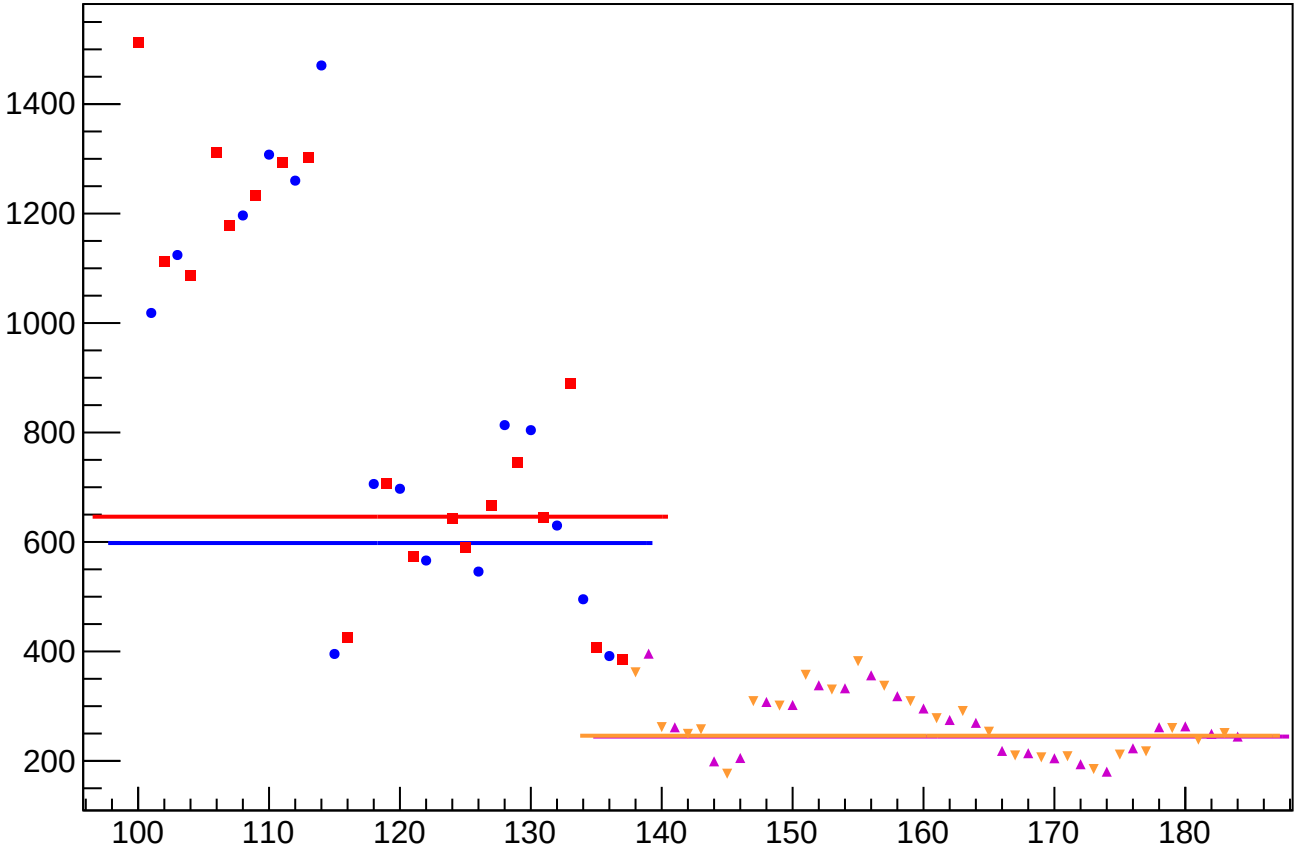
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: 13.143+/-56.958 χ^2/NDF:47.4/38

Out: -253.122+/-56.279 χ^2/NDF:80.9/42

All: -121.587+/-40.033 χ^2/NDF: 139.4/81

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: 244.450+/-0.041 χ^2/NDF:1596977.8/22

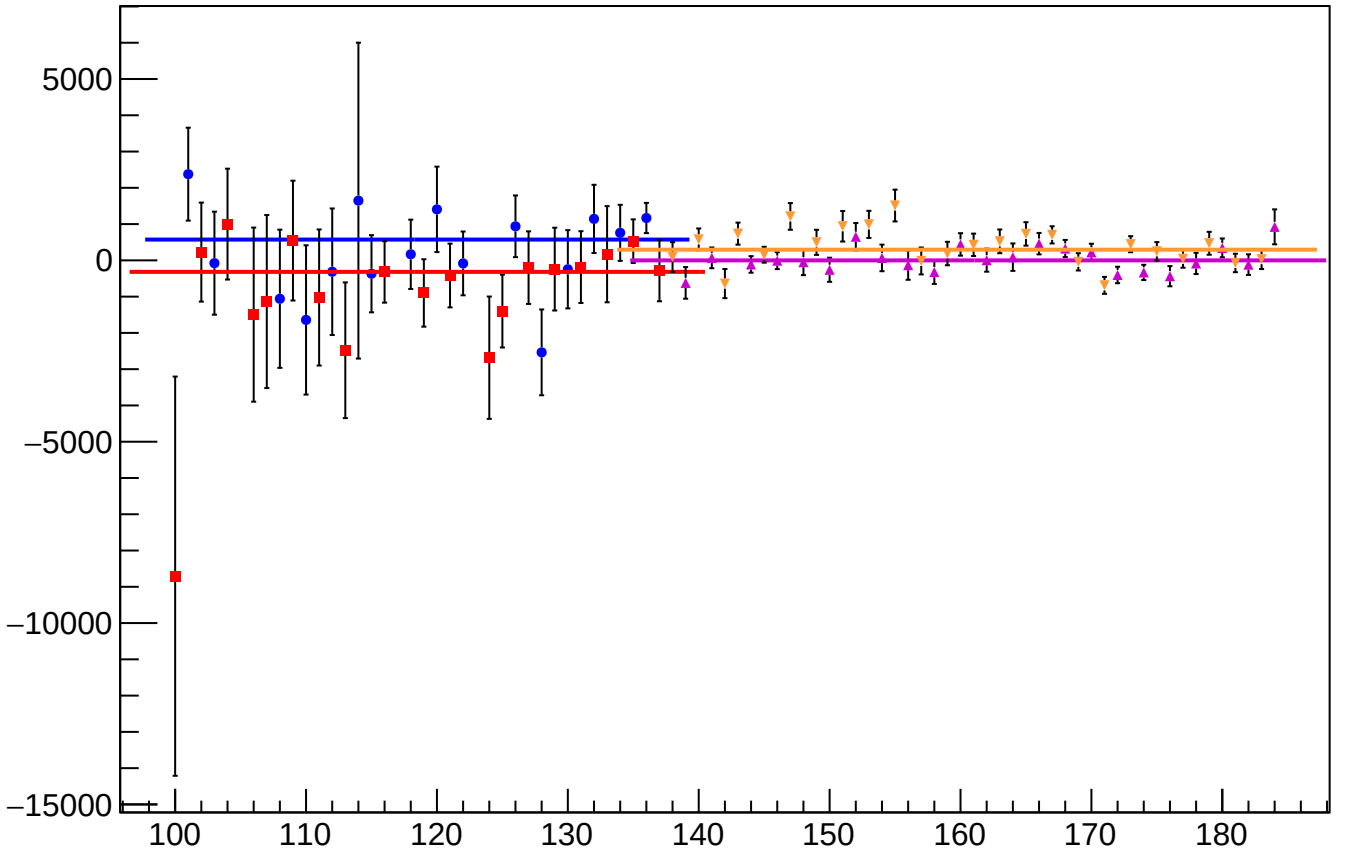
Left: 245.252+/-0.029 χ^2/NDF: 3278274.5/46

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 264.149+/-0.040 χ^2/NDF:7699604.9/38

Out: 265.276+/-0.040 χ^2/NDF:8515321.2/42

All: 264.719+/-0.028 χ^2/NDF: 16215322.3/81



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: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 148.401+/-42.472 χ^2/NDF: 100.2/46

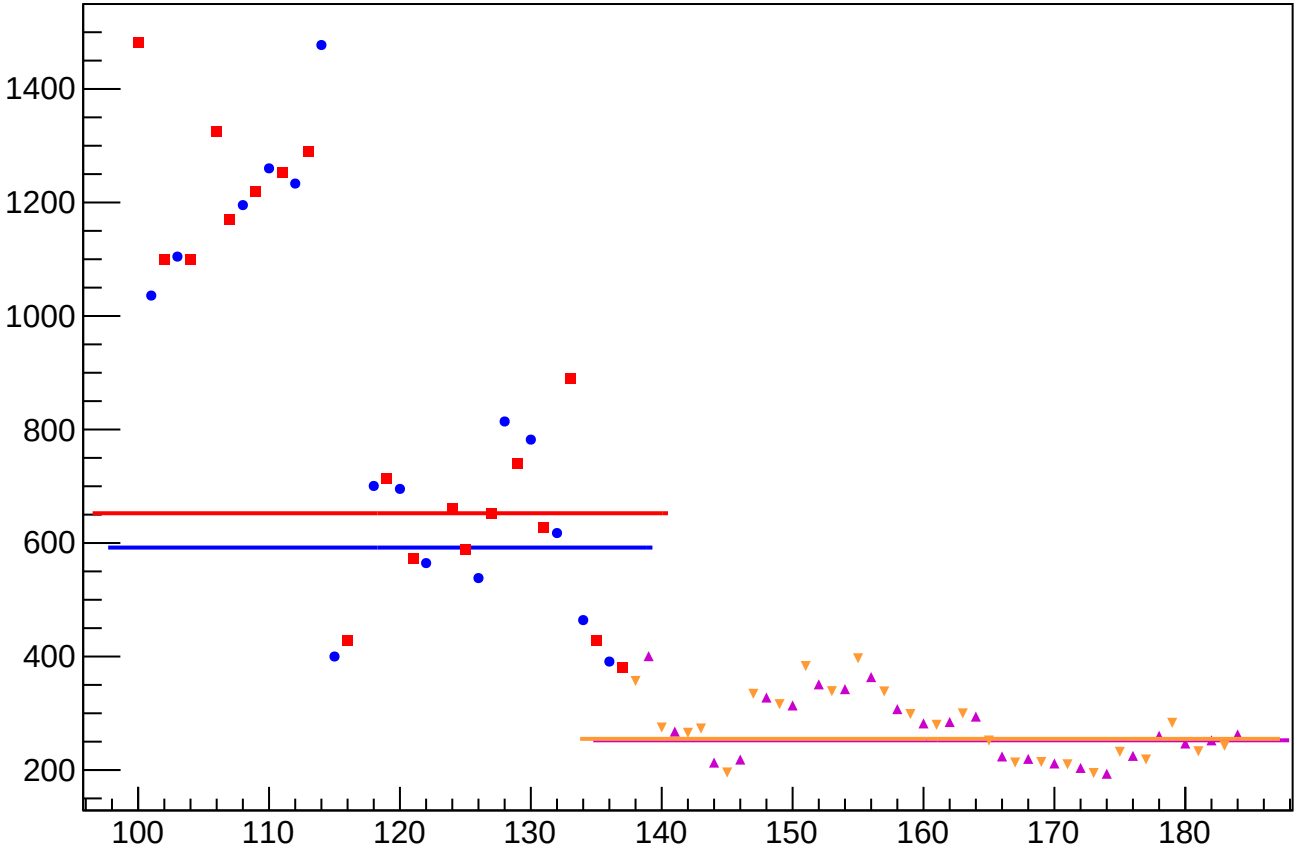
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 33.873+/-58.518 χ^2/NDF:50.1/38

Out: 263.425+/-58.238 χ^2/NDF:76.4/42

All: 149.200+/-41.279 χ^2/NDF: 134.2/81

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: 252.390+/-0.043 χ^2/NDF:1412169.8/22

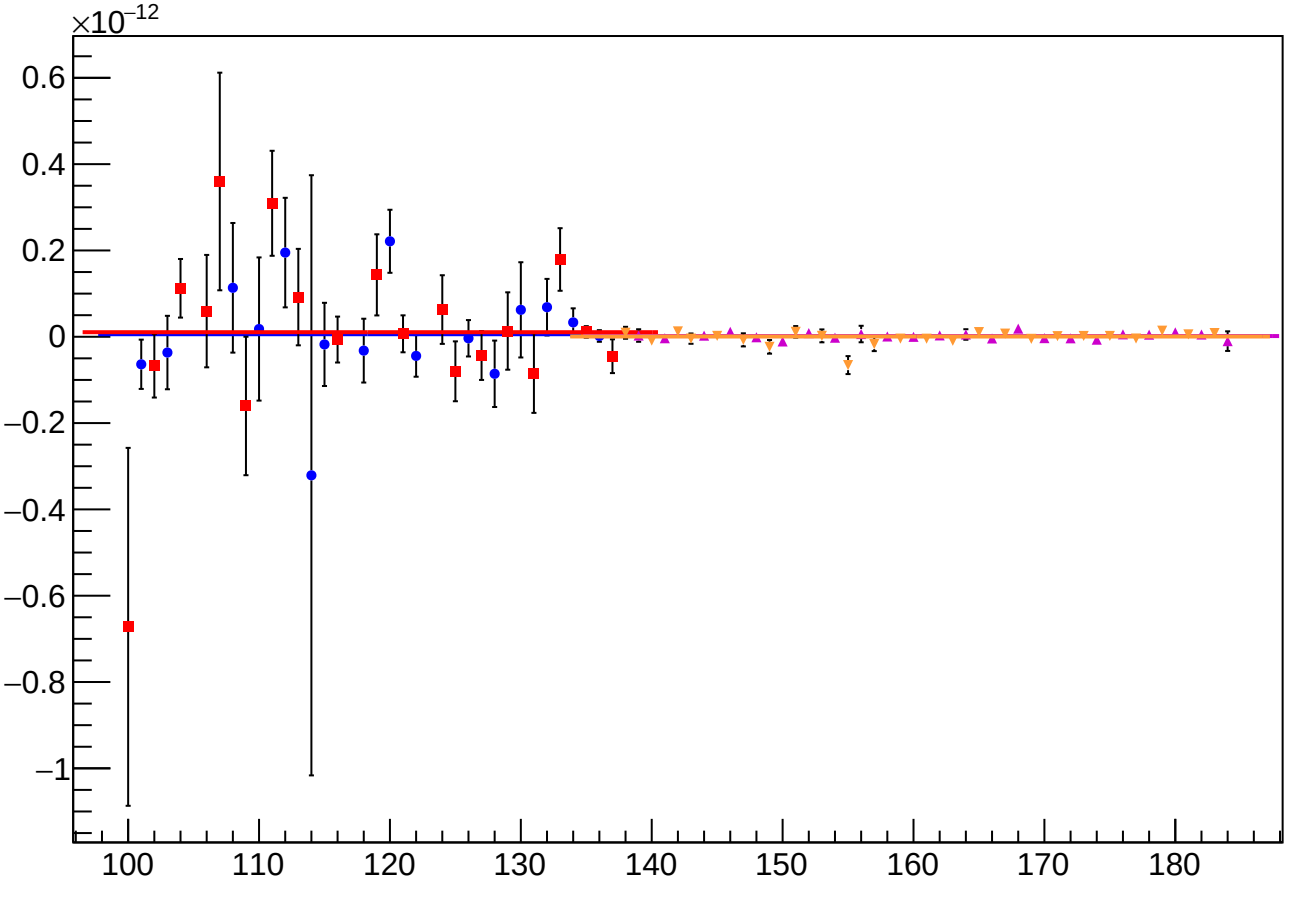
Left: 253.676+/-0.030 χ^2/NDF: 2978838.4/46

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 272.761+/-0.041 χ^2/NDF:7245813.0/38

Out: 275.155+/-0.041 χ^2/NDF:8153060.2/42

All: 273.964+/-0.029 χ^2/NDF: 15400555.1/81



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:14.0/22

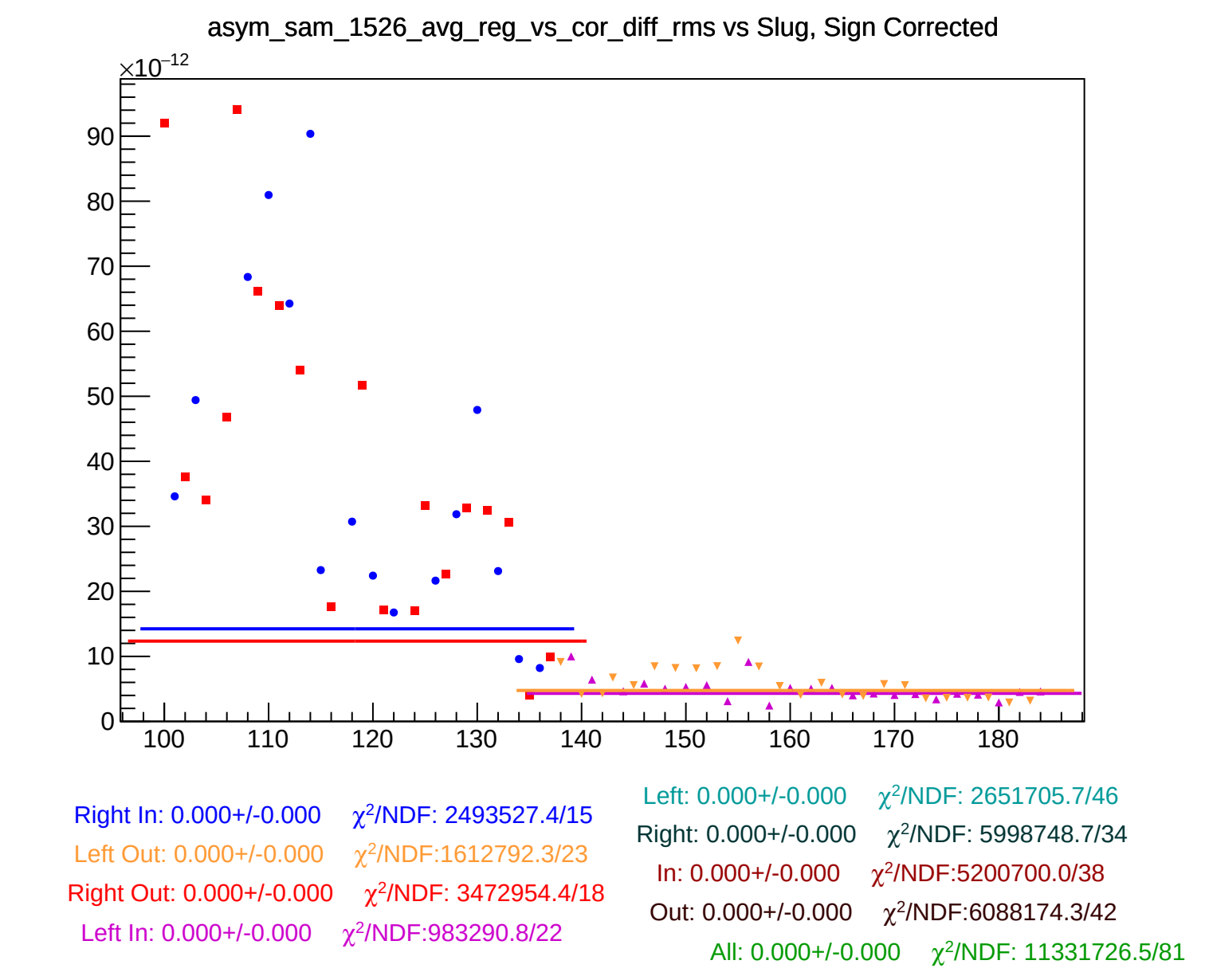
Left: 0.000+/-0.000 χ^2/NDF: 39.4/46

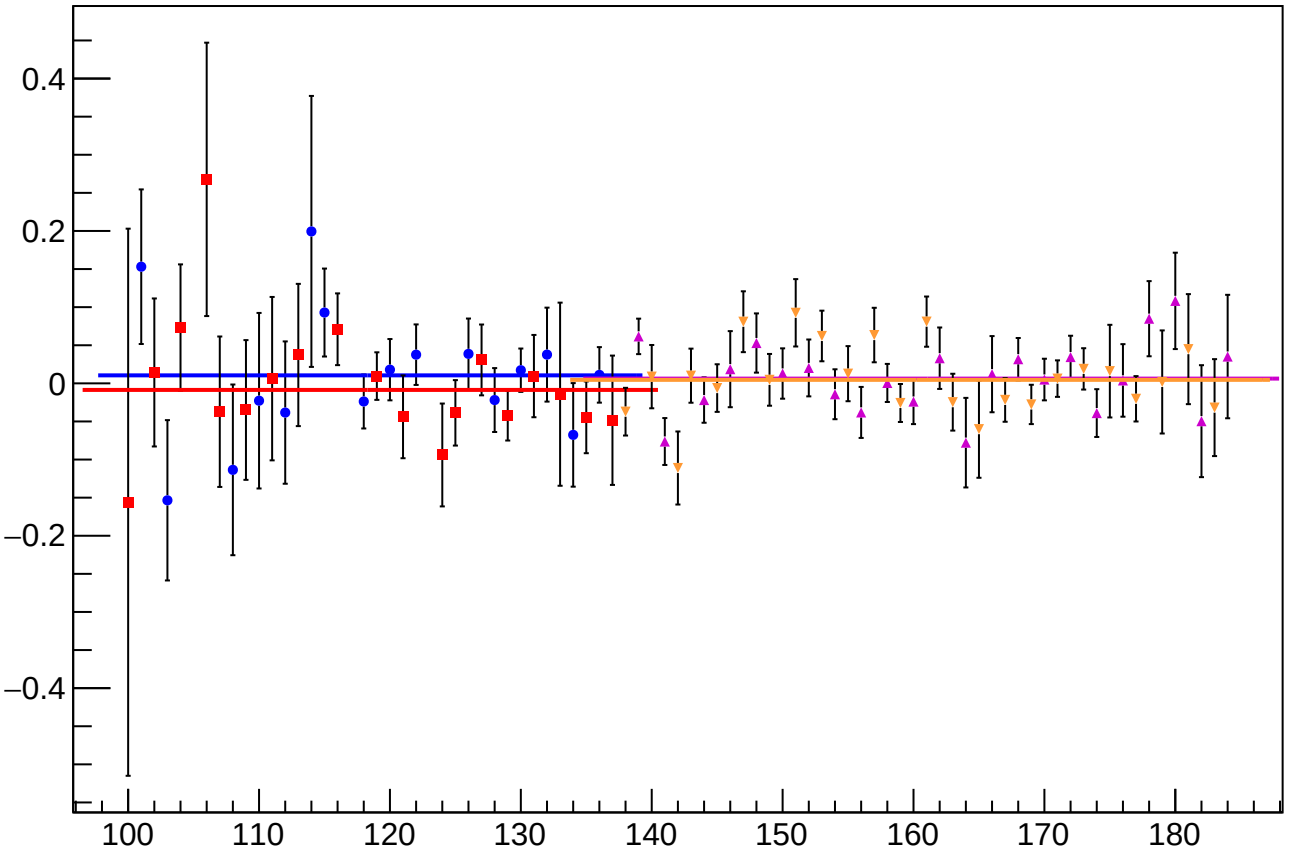
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:32.4/38

Out: 0.000+/-0.000 χ^2/NDF:55.6/42

All: 0.000+/-0.000 χ^2/NDF: 88.1/81


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:983290.8/22
Left: 0.000+/-0.000 χ²/NDF: 2651705.7/46
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:5200700.0/38
Out: 0.000+/-0.000 χ²/NDF:6088174.3/42
All: 0.000+/-0.000 χ²/NDF: 11331726.5/81



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:31.0/22

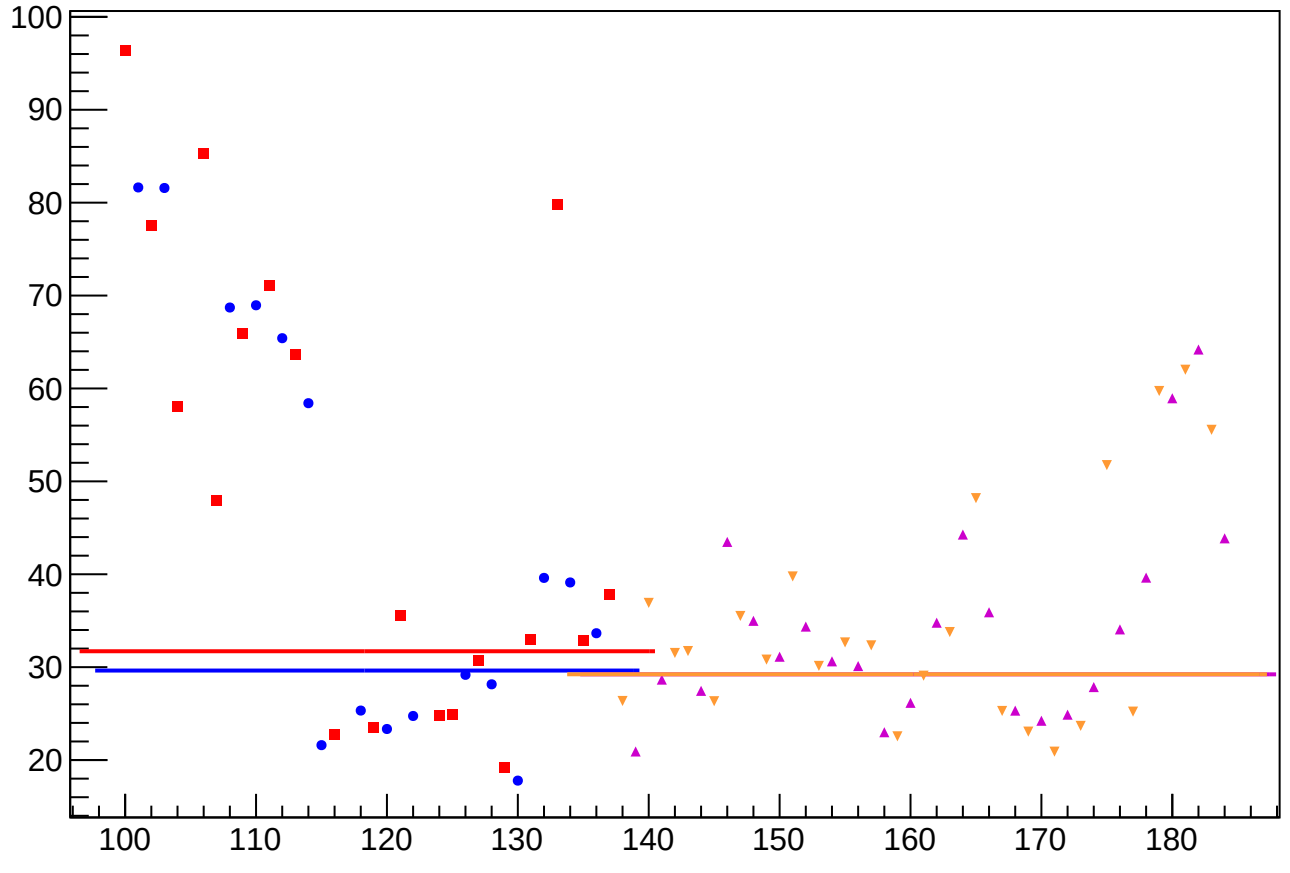
Left: 0.005+/-0.005 χ^2/NDF: 64.7/46

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:44.2/38

Out: 0.002+/-0.006 χ^2/NDF:46.9/42

All: 0.004+/-0.004 χ^2/NDF: 91.5/81



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: 29.226+/-0.005 χ^2/NDF:2097657.8/22

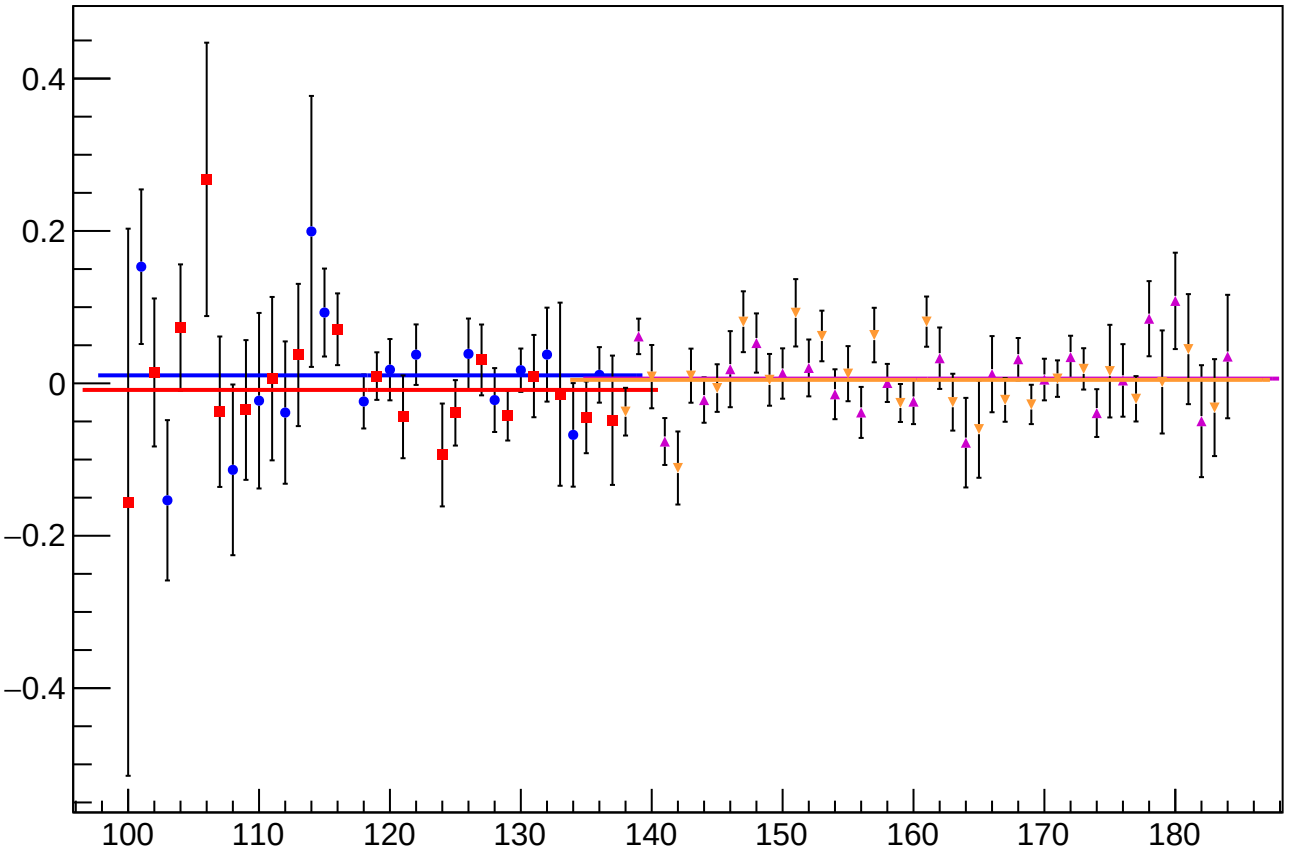
Left: 29.230+/-0.004 χ^2/NDF: 4716450.8/46

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.329+/-0.004 χ^2/NDF:4547709.9/38

Out: 29.791+/-0.004 χ^2/NDF:5324587.0/42

All: 29.560+/-0.003 χ^2/NDF: 9877708.8/81



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:31.0/22

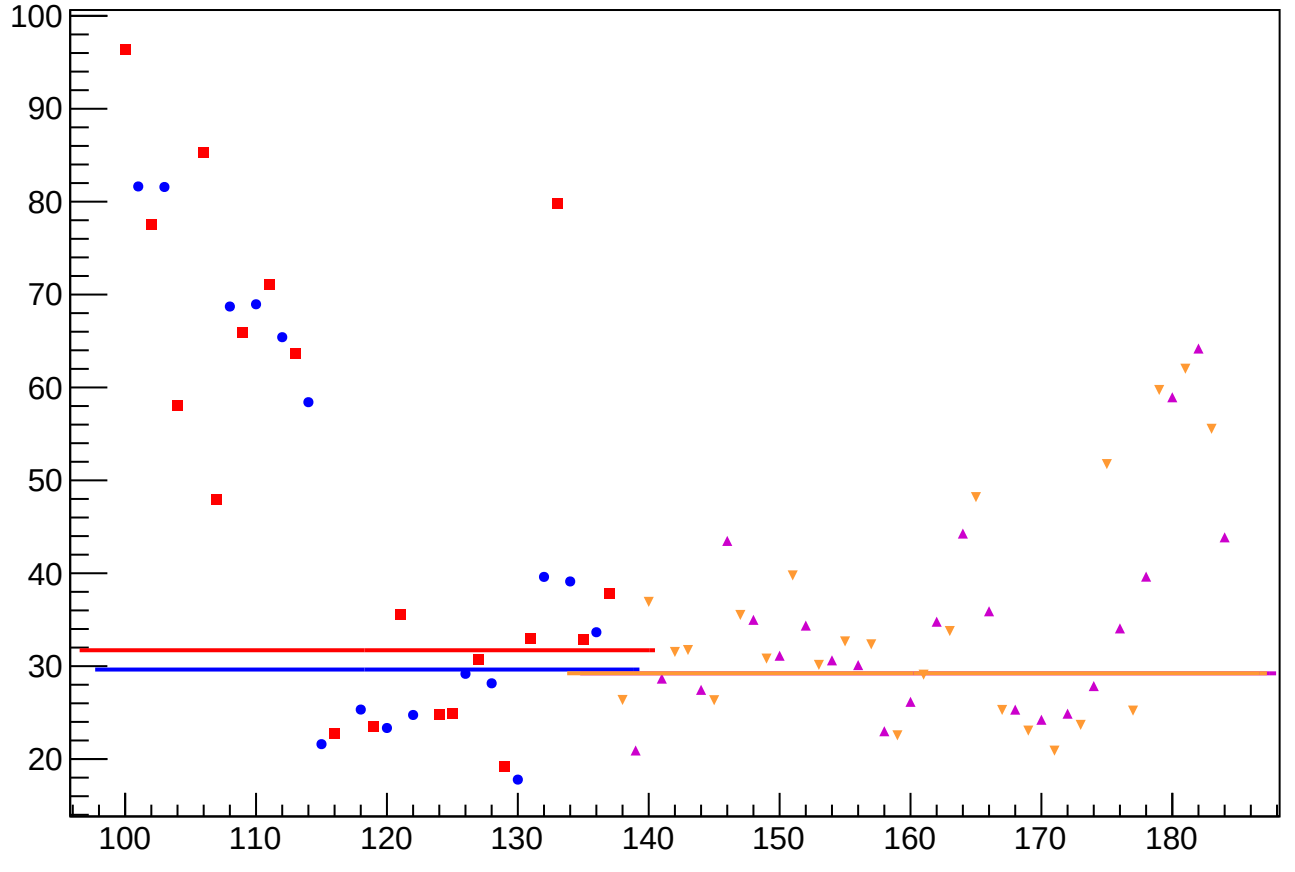
Left: 0.005+/-0.005 χ^2/NDF: 64.7/46

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:44.2/38

Out: 0.002+/-0.006 χ^2/NDF:46.9/42

All: 0.004+/-0.004 χ^2/NDF: 91.5/81



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: 29.226+/-0.005 χ^2/NDF:2097657.8/22

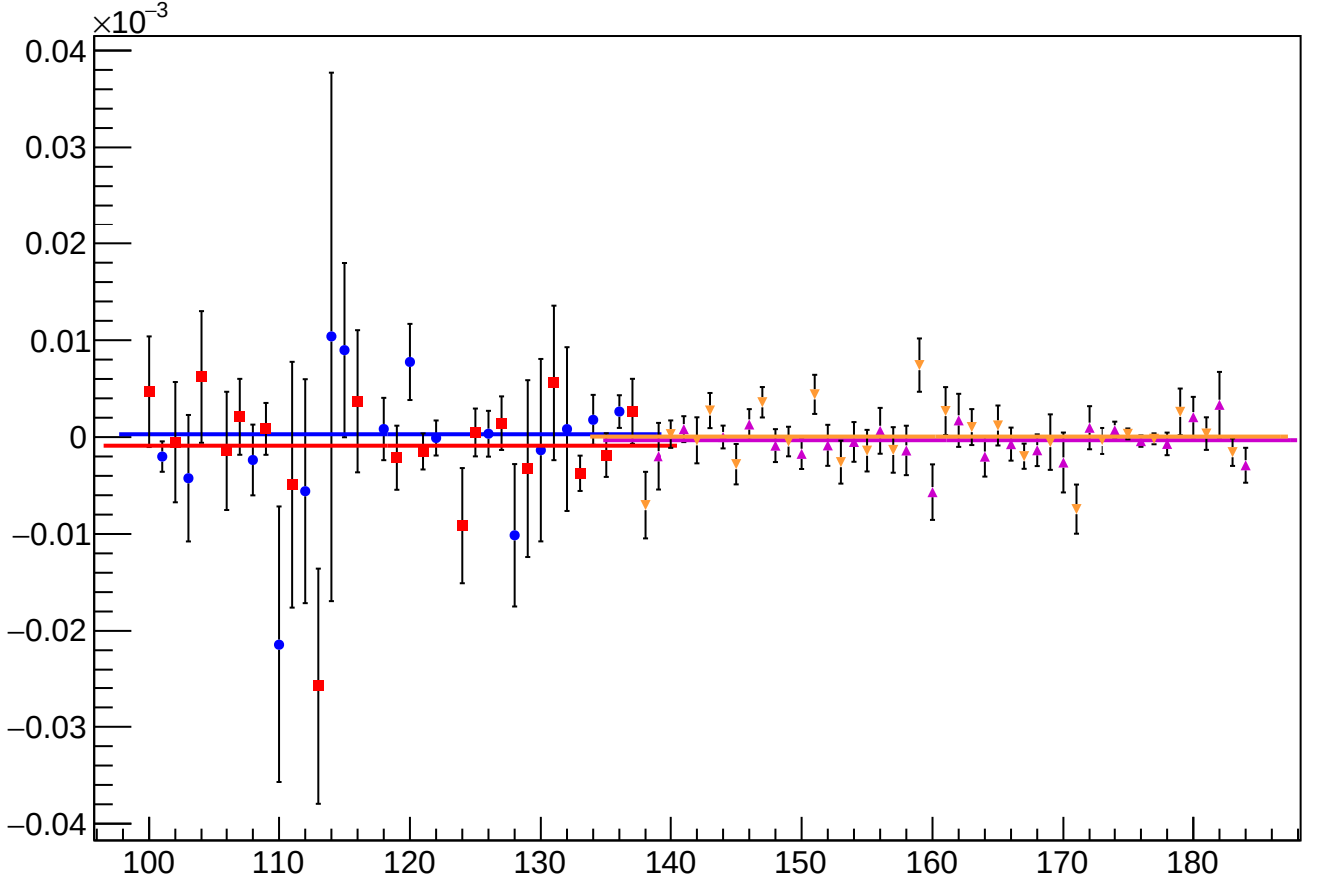
Left: 29.230+/-0.004 χ^2/NDF: 4716450.8/46

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.329+/-0.004 χ^2/NDF:4547709.9/38

Out: 29.791+/-0.004 χ^2/NDF:5324587.0/42

All: 29.560+/-0.003 χ^2/NDF: 9877708.8/81



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:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

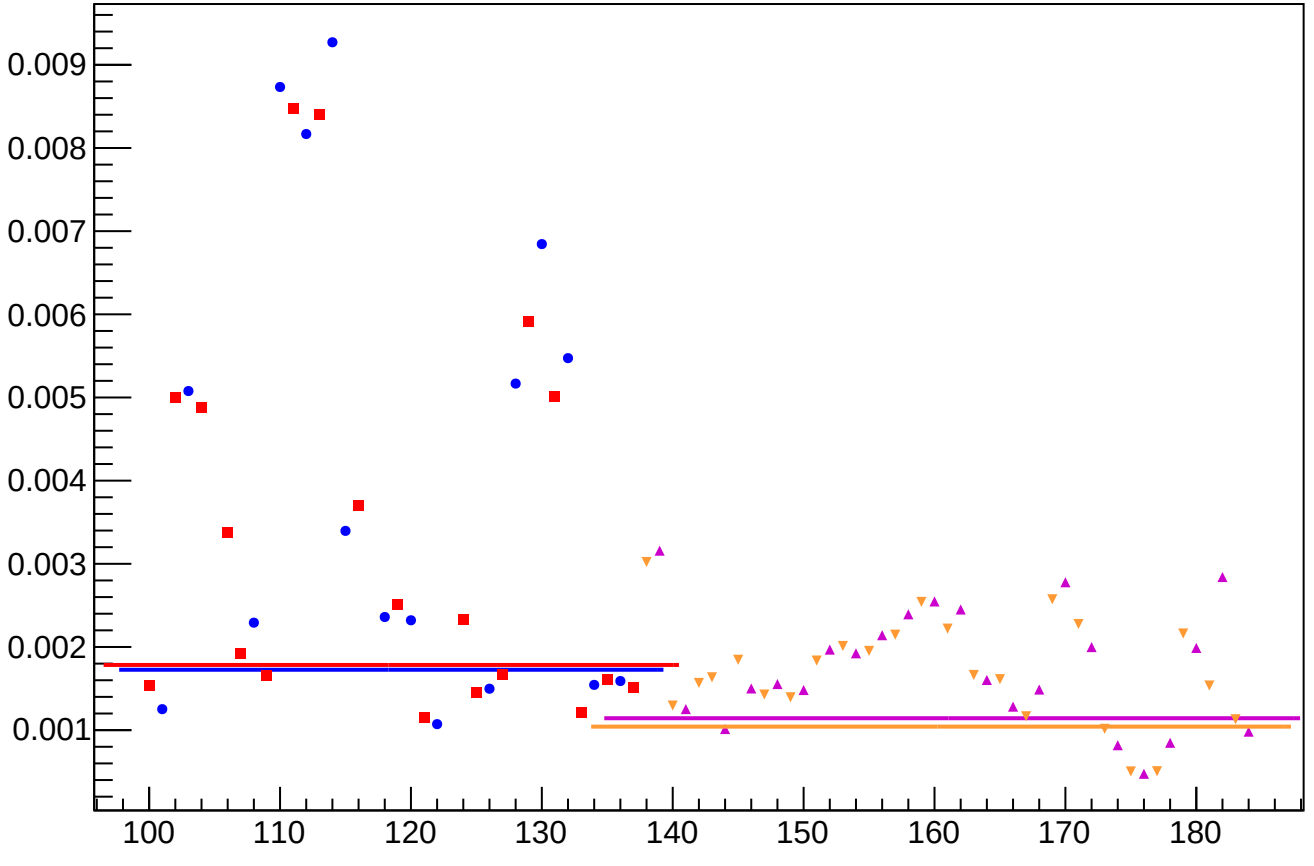
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:30.8/38

Out: -0.000+/-0.000 χ^2/NDF:60.2/42

All: -0.000+/-0.000 χ^2/NDF: 91.2/81

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9823816.2/23

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

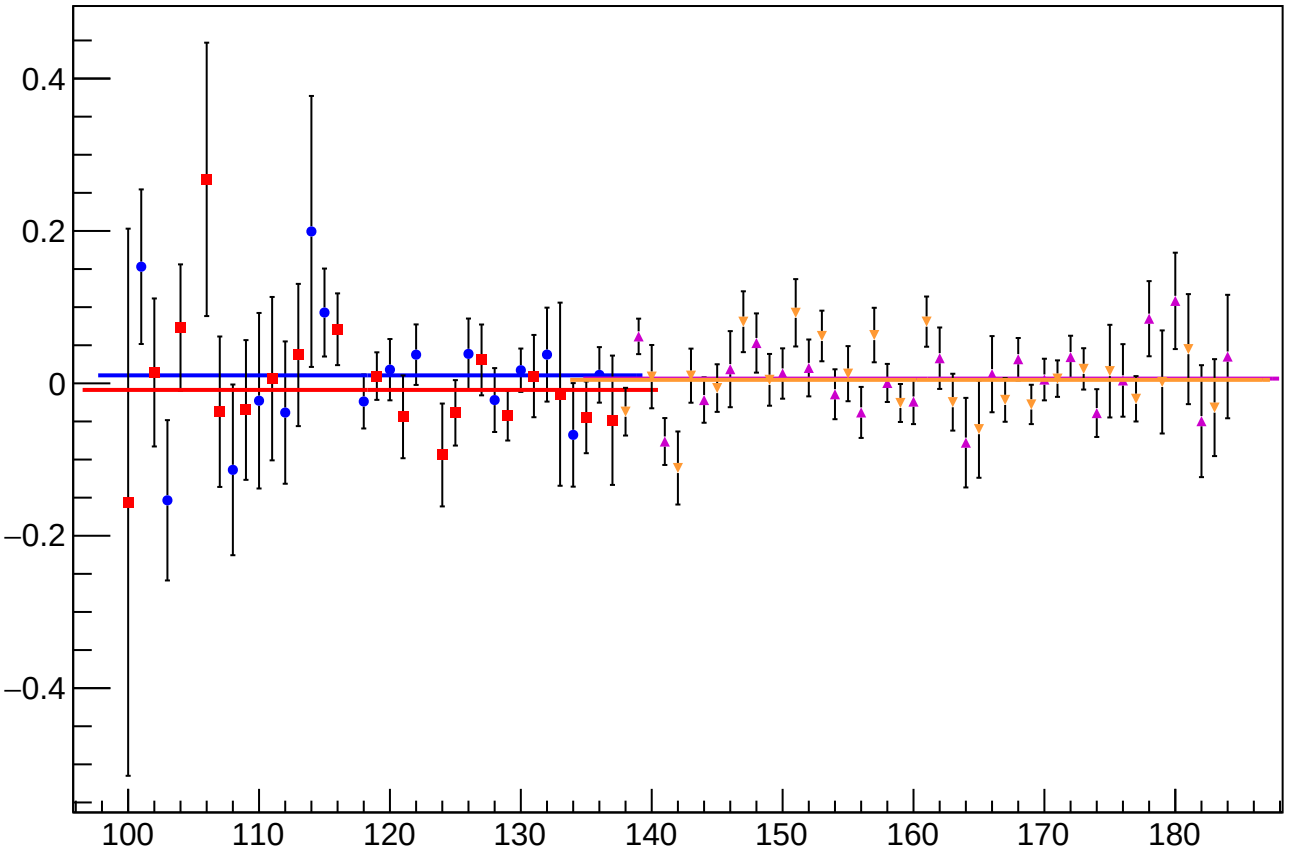
Left: 0.001+/-0.000 χ^2/NDF: 18231582.1/46

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.001+/-0.000 χ^2/NDF:13228063.8/38

Out: 0.001+/-0.000 χ^2/NDF:15156084.5/42

All: 0.001+/-0.000 χ^2/NDF: 28508911.2/81



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:31.0/22

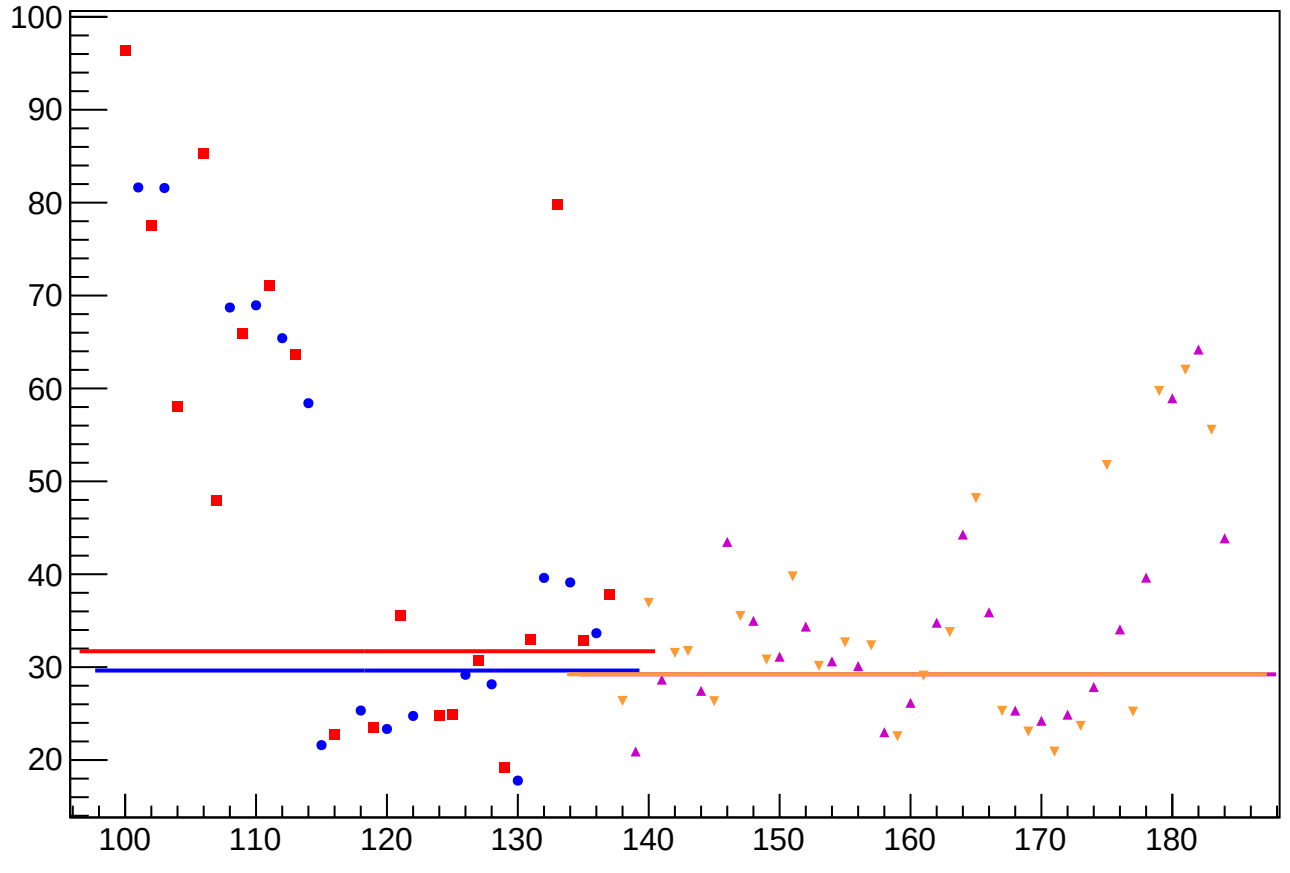
Left: 0.005+/-0.005 χ^2/NDF: 64.7/46

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:44.2/38

Out: 0.002+/-0.006 χ^2/NDF:46.9/42

All: 0.004+/-0.004 χ^2/NDF: 91.5/81



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: 29.227+/-0.005 χ^2/NDF:2097621.4/22

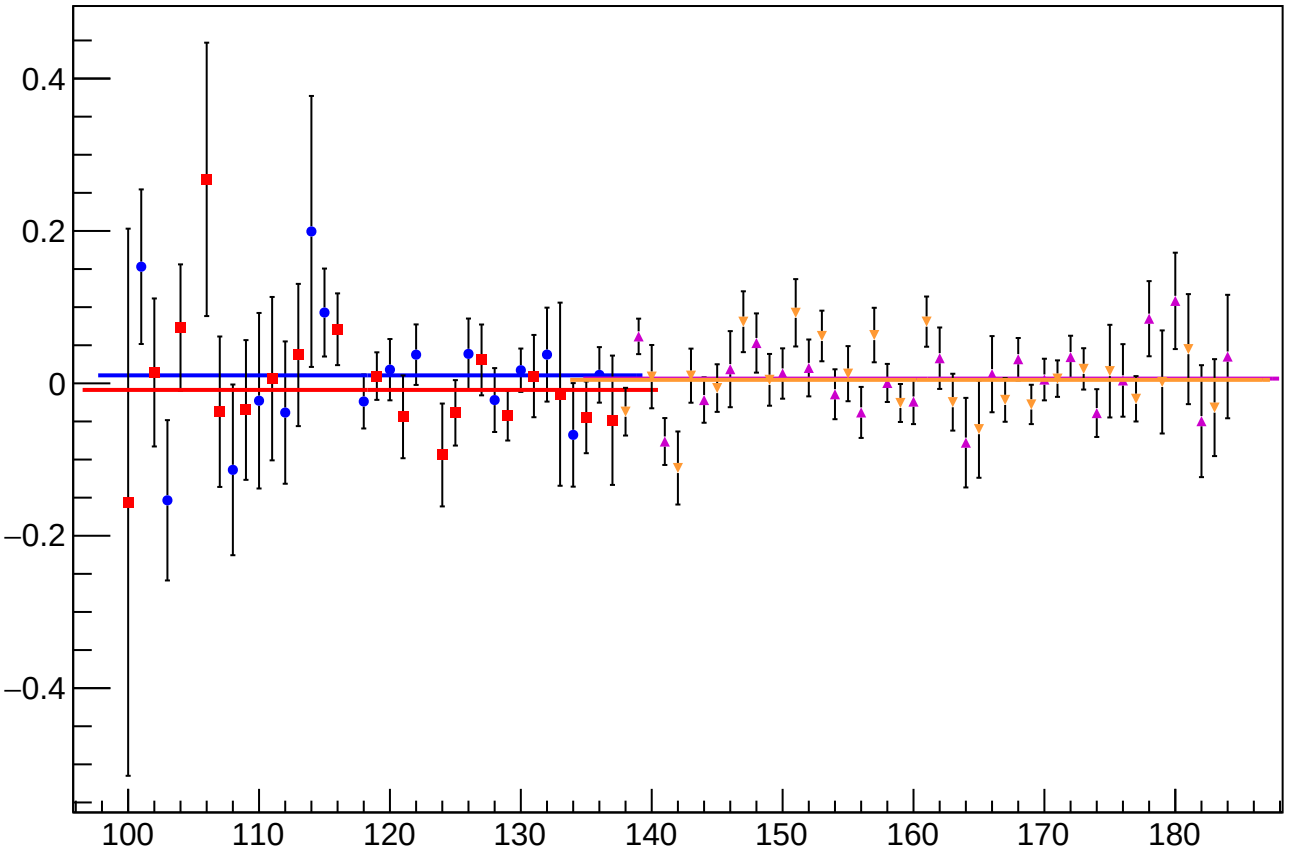
Left: 29.230+/-0.004 χ^2/NDF: 4716453.6/46

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 29.329+/-0.004 χ^2/NDF:4547863.4/38

Out: 29.791+/-0.004 χ^2/NDF:5324733.9/42

All: 29.560+/-0.003 χ^2/NDF: 9878006.8/81



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:31.0/22

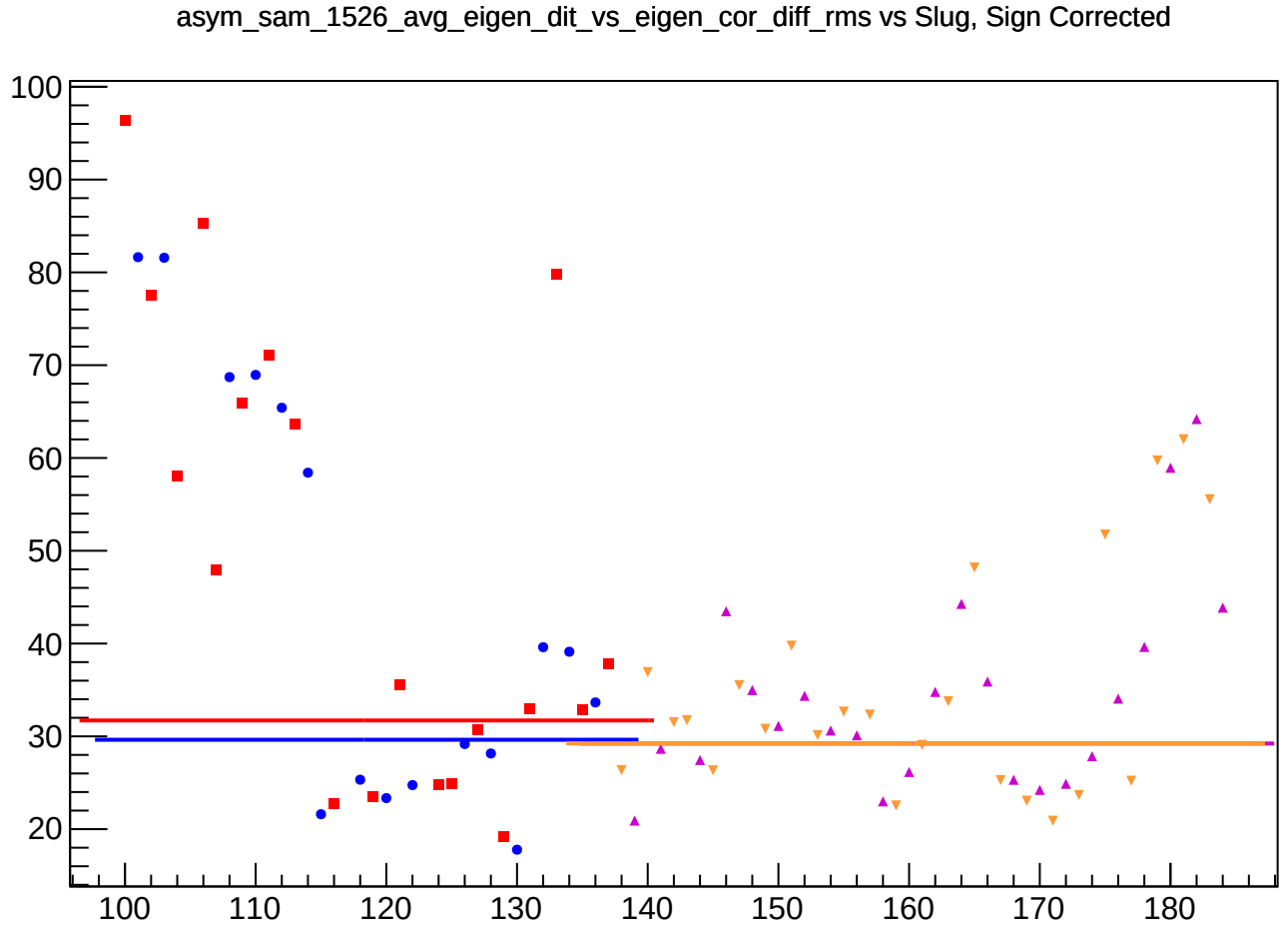
Left: 0.005+/-0.005 χ^2/NDF: 64.7/46

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:44.2/38

Out: 0.002+/-0.006 χ^2/NDF:46.9/42

All: 0.004+/-0.004 χ^2/NDF: 91.5/81



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: 29.227+/-0.005 χ^2/NDF:2097621.4/22

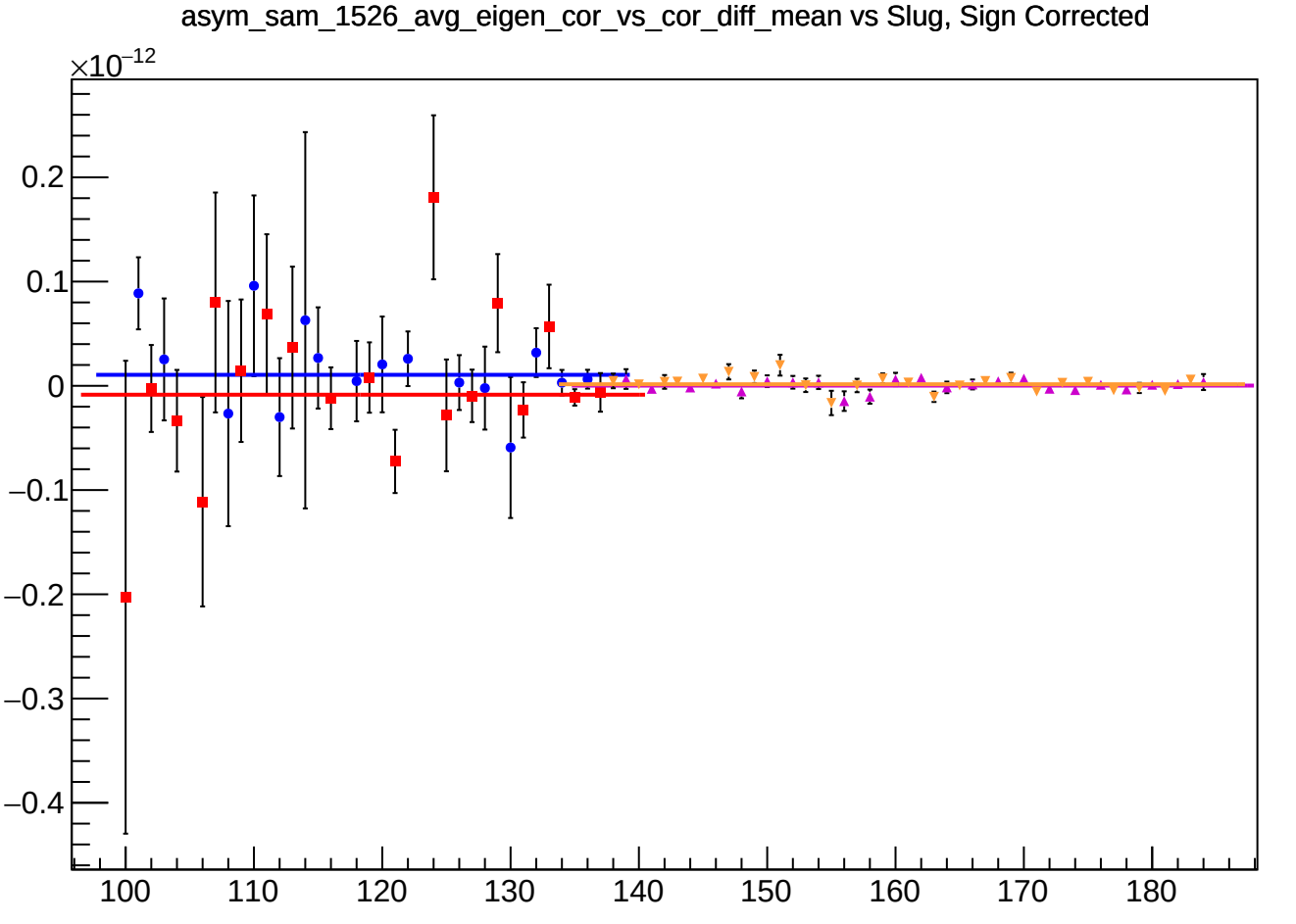
Left: 29.230+/-0.004 χ^2/NDF: 4716453.6/46

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

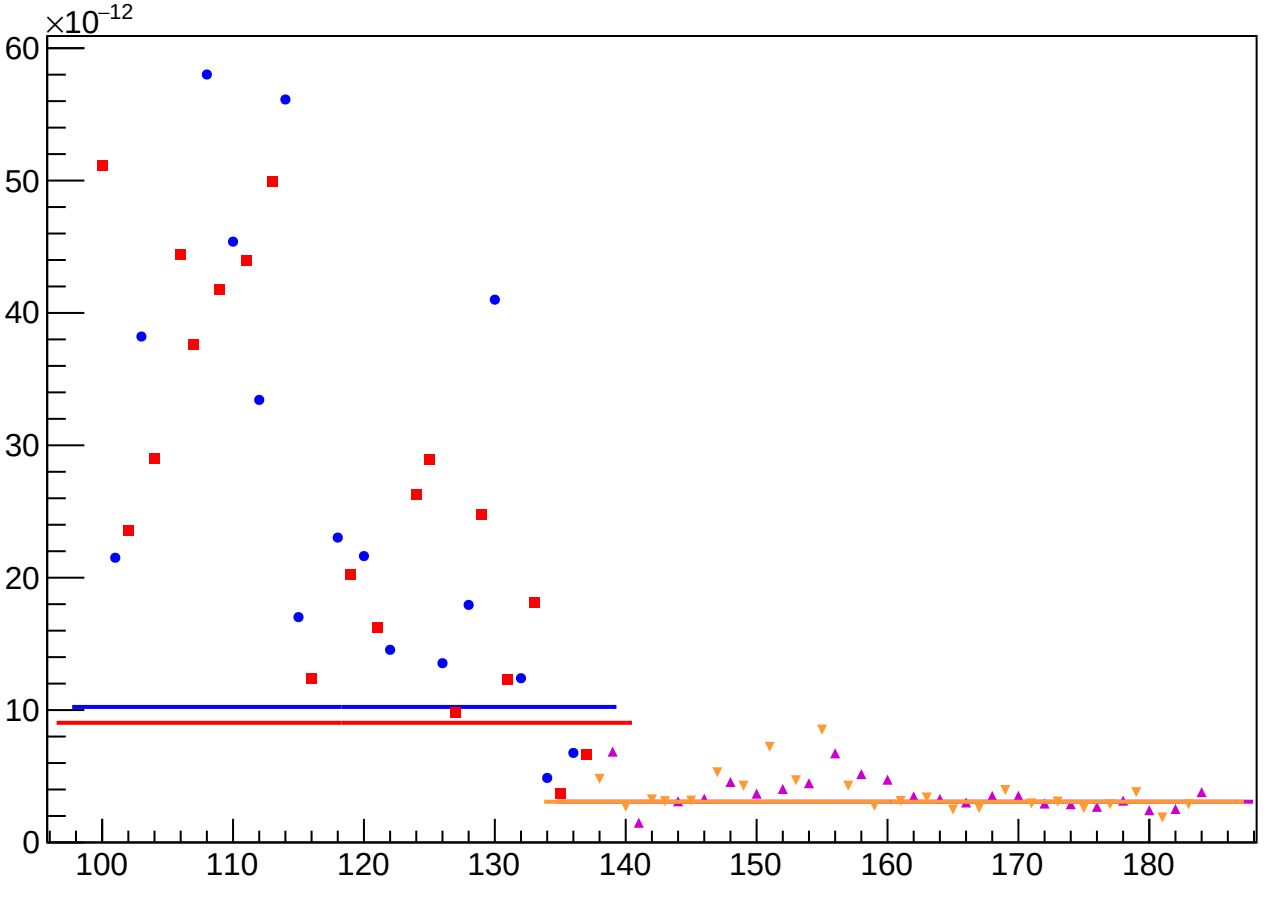
In: 29.329+/-0.004 χ^2/NDF:4547863.4/38

Out: 29.791+/-0.004 χ^2/NDF:5324733.9/42

All: 29.560+/-0.003 χ^2/NDF: 9878006.8/81


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:18.6/22
Left: 0.000+/-0.000 χ²/NDF: 54.1/46
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:31.5/38
Out: 0.000+/-0.000 χ²/NDF:58.8/42
All: 0.000+/-0.000 χ²/NDF: 90.7/81

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2024698.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

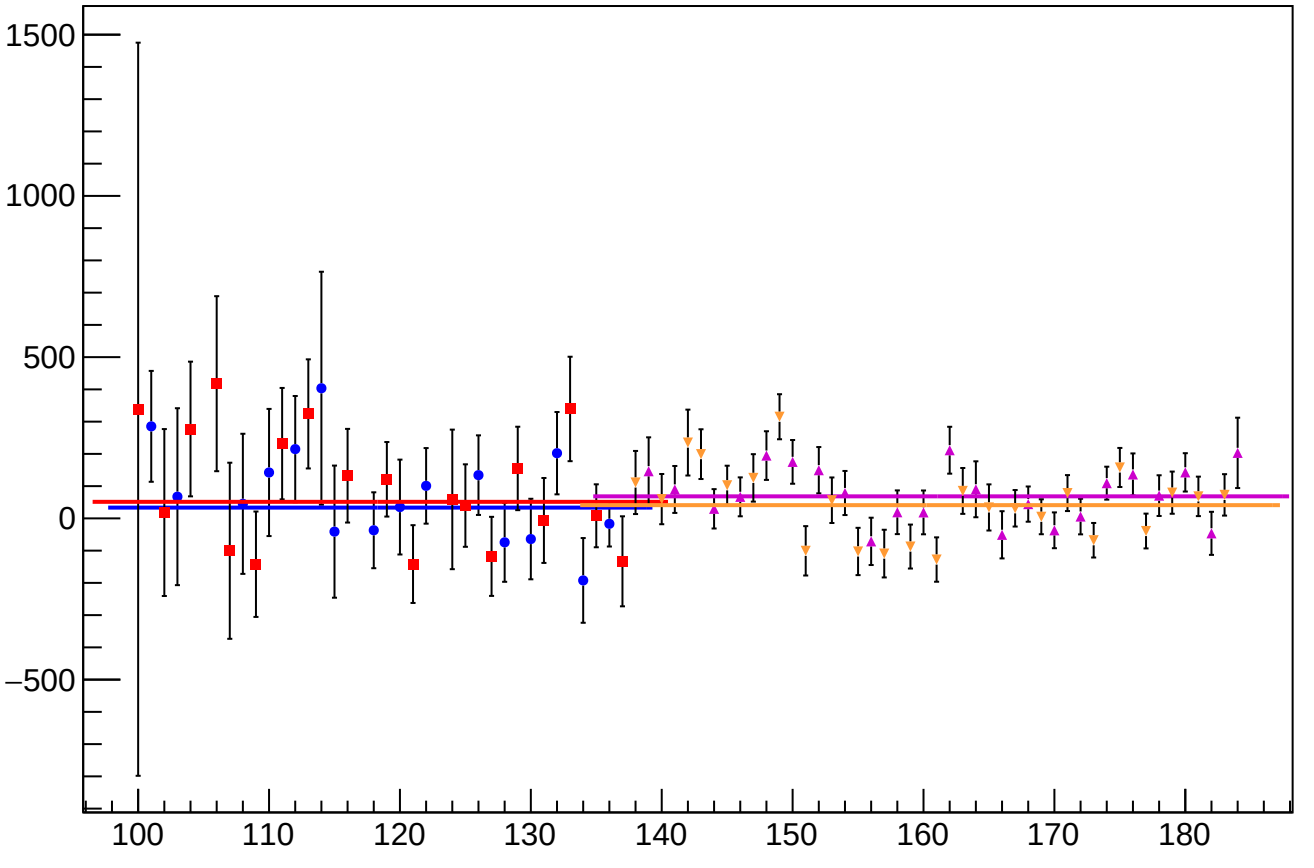
Left: 0.000+/-0.000 χ^2/NDF: 4174448.8/46

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:8441645.4/38

Out: 0.000+/-0.000 χ^2/NDF:8517276.3/42

All: 0.000+/-0.000 χ^2/NDF: 16960317.2/81



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: 68.344+/-13.866 χ^2/NDF:31.8/22

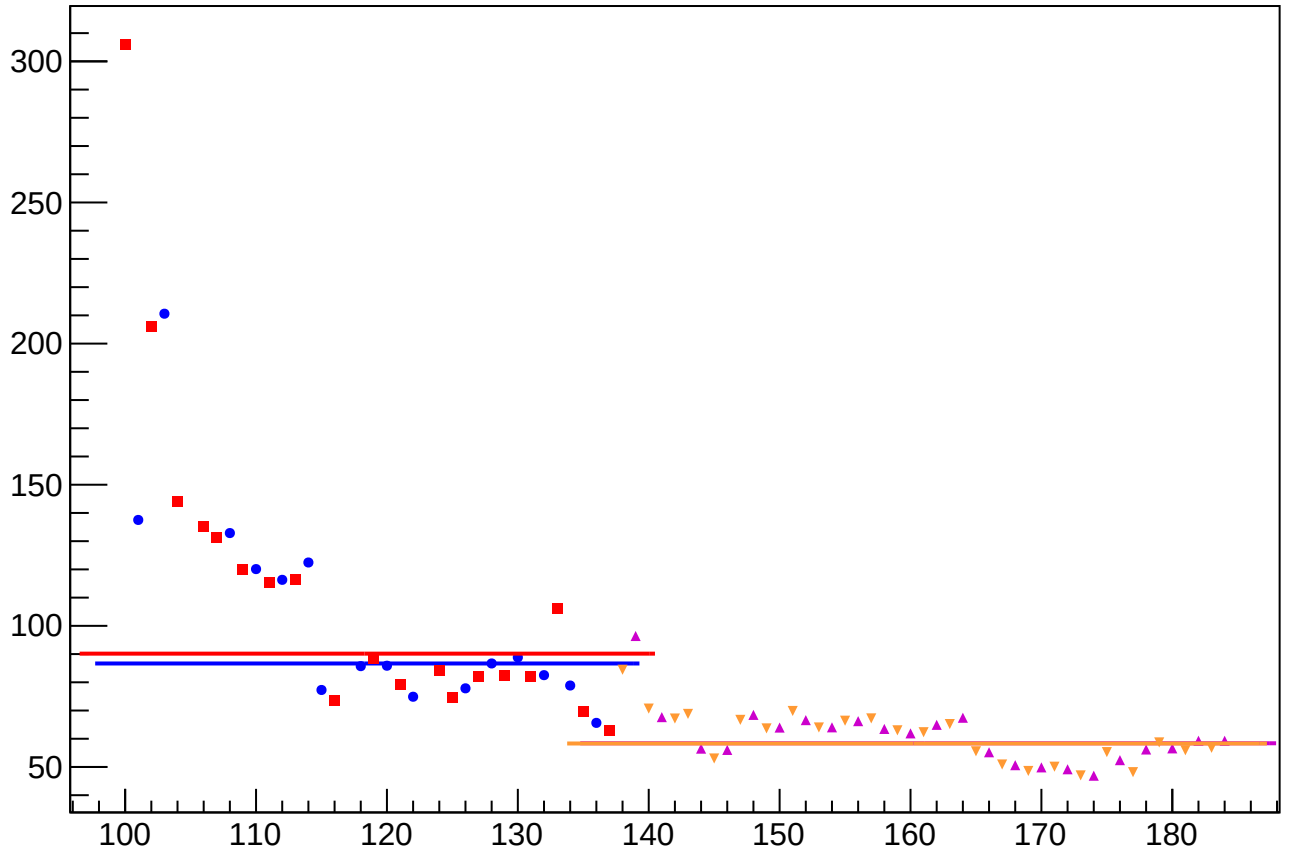
Left: 54.382+/-9.696 χ^2/NDF: 93.0/46

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 63.335+/-12.833 χ^2/NDF:45.5/38

Out: 42.382+/-12.639 χ^2/NDF:78.9/42

All: 52.699+/-9.005 χ^2/NDF: 125.8/81



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: 58.397+/-0.010 χ^2/NDF:735208.2/22

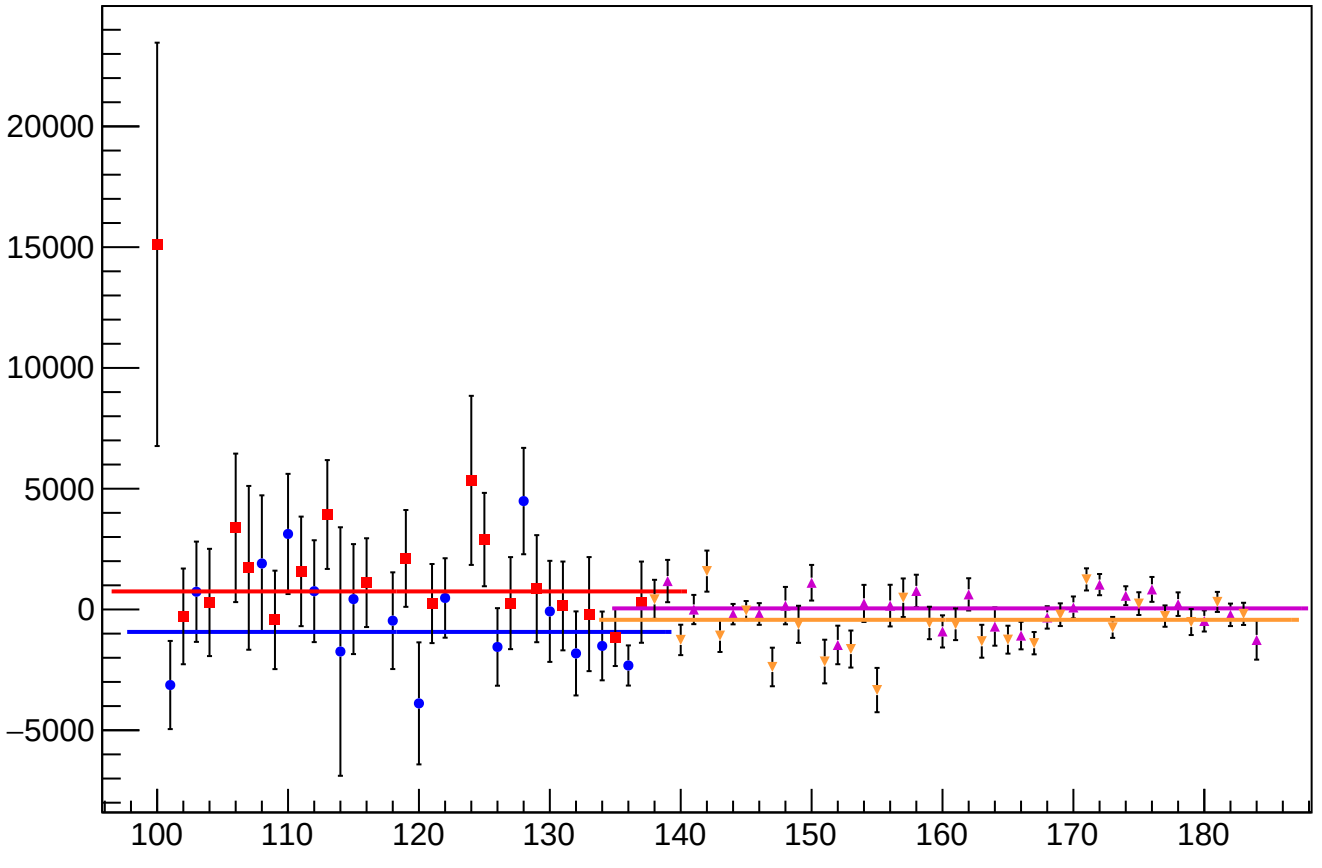
Left: 58.357+/-0.007 χ^2/NDF: 1494455.0/46

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 62.452+/-0.009 χ^2/NDF:2966648.0/38

Out: 62.505+/-0.009 χ^2/NDF:3358459.0/42

All: 62.479+/-0.006 χ^2/NDF: 6325124.3/81



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: 44.831+/-115.765 χ^2/NDF:31.1/22

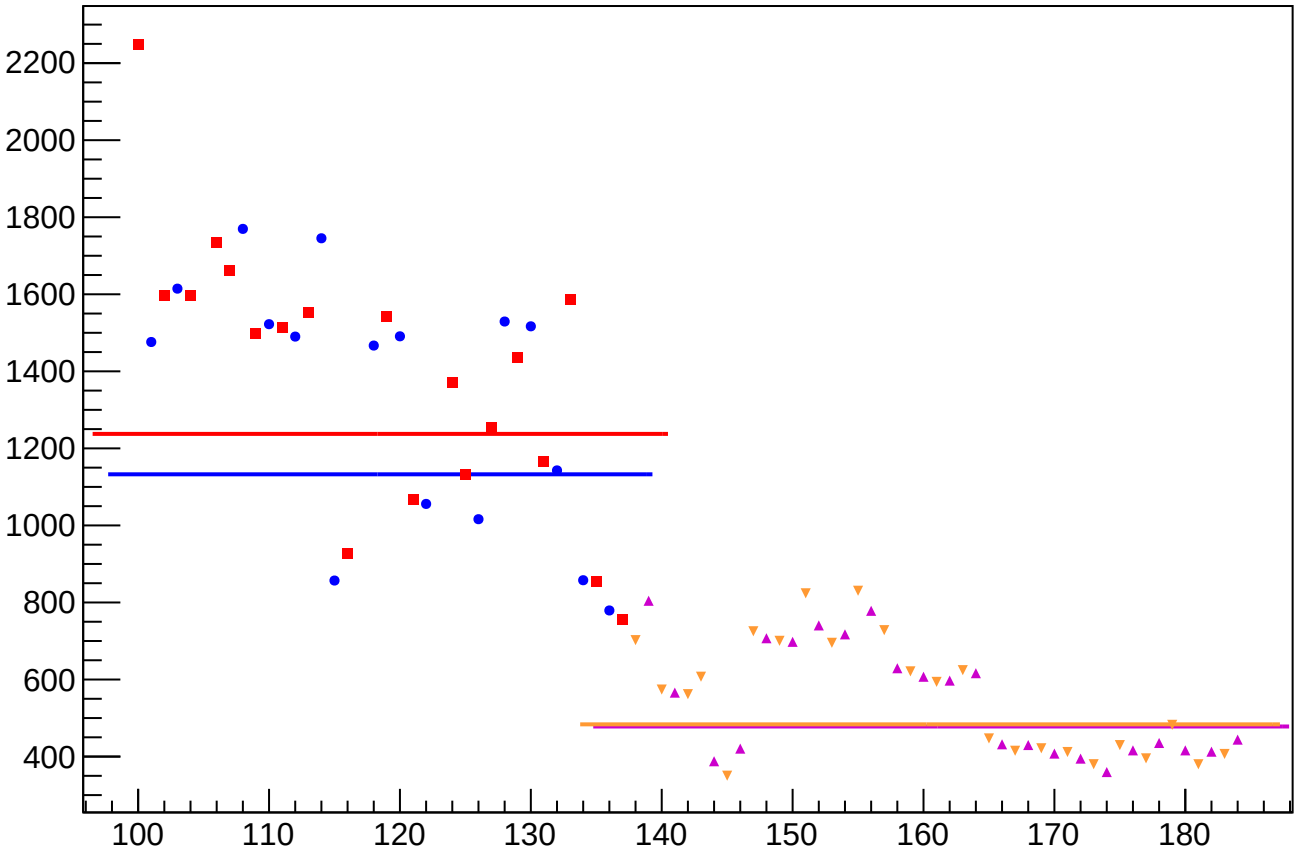
Left: -193.248+/-81.591 χ^2/NDF: 101.3/46

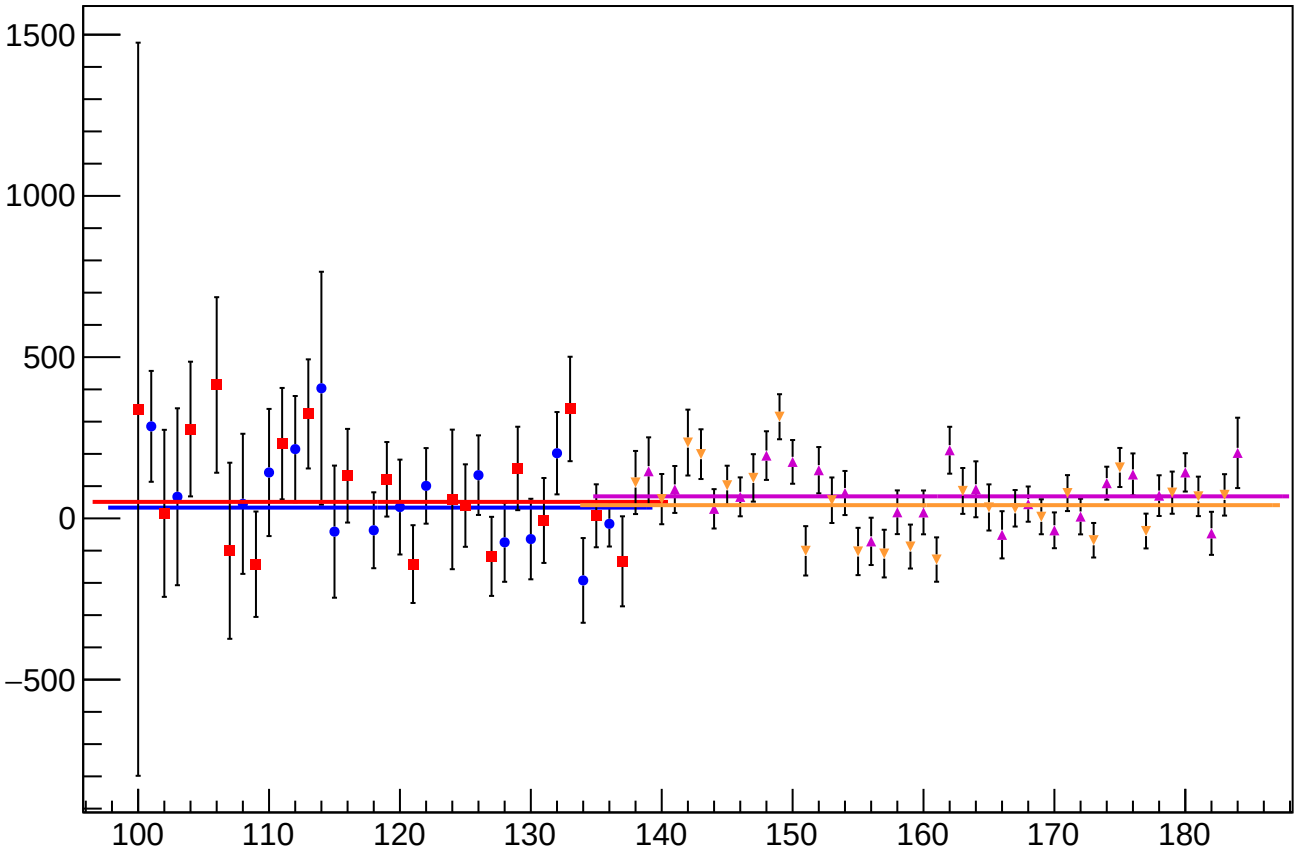
Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -18.030+/-111.970 χ^2/NDF:54.2/38

Out: -361.272+/-111.689 χ^2/NDF:80.8/42

All: -190.082+/-79.075 χ^2/NDF: 139.7/81


asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
110
120
130
140
150
160
170
180
Right In: 1132.688+/-0.312 χ²/NDF: 1124151.1/15
Left Out: 483.654+/-0.081 χ²/NDF:2513157.7/23
Right Out: 1237.591+/-0.331 χ²/NDF: 895314.3/18
Left In: 478.084+/-0.082 χ²/NDF:2215520.4/22
Left: 480.887+/-0.058 χ²/NDF: 4731008.6/46
Right: 1182.025+/-0.227 χ²/NDF: 2072715.6/34
In: 520.303+/-0.079 χ²/NDF:7464131.7/38
Out: 526.612+/-0.079 χ²/NDF:8305263.2/42
All: 523.465+/-0.056 χ²/NDF: 15772577.6/81



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: 68.343+/-13.866 χ^2/NDF:31.7/22

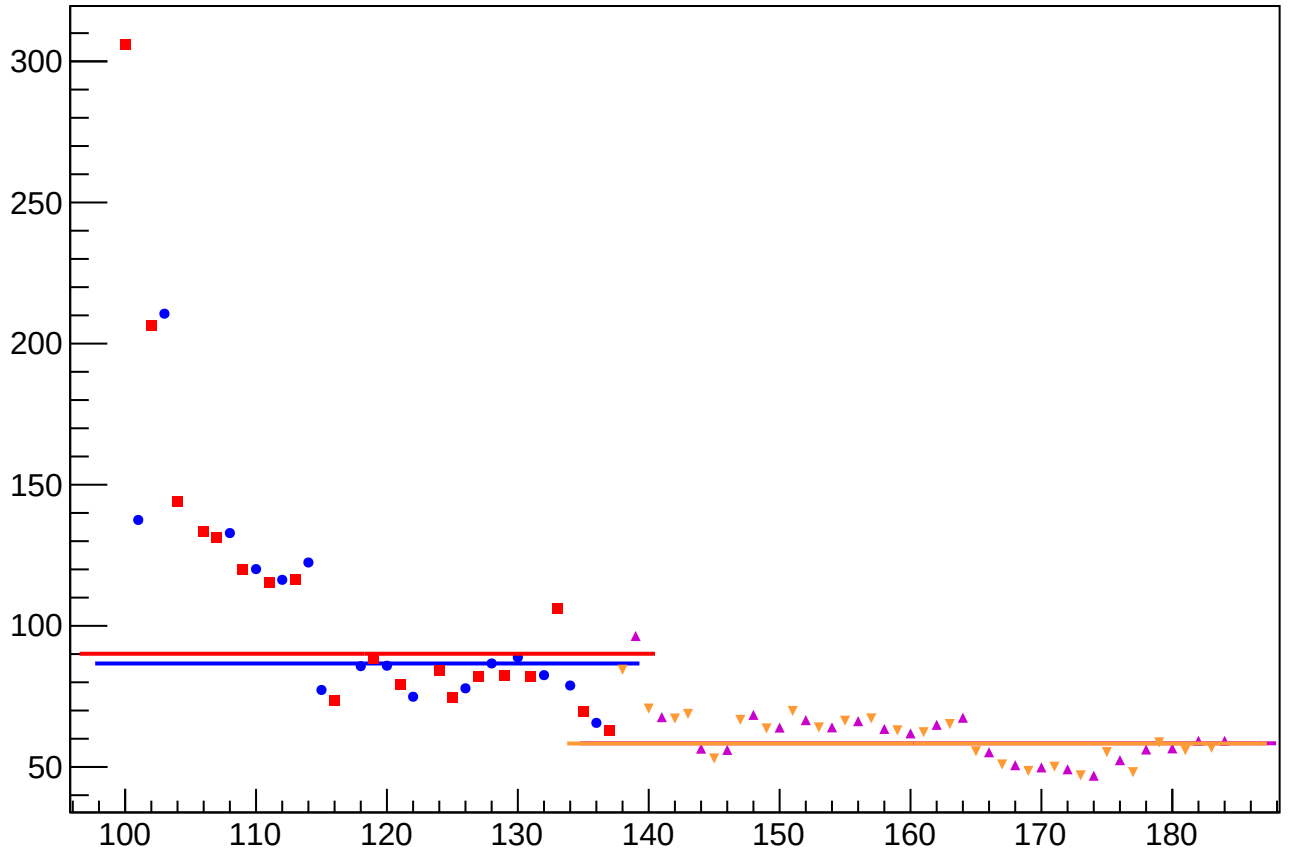
Left: 54.382+/-9.696 χ^2/NDF: 93.0/46

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 63.333+/-12.833 χ^2/NDF:45.5/38

Out: 42.364+/-12.639 χ^2/NDF:78.9/42

All: 52.689+/-9.005 χ^2/NDF: 125.7/81



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: 58.397+/-0.010 χ^2/NDF:735208.2/22

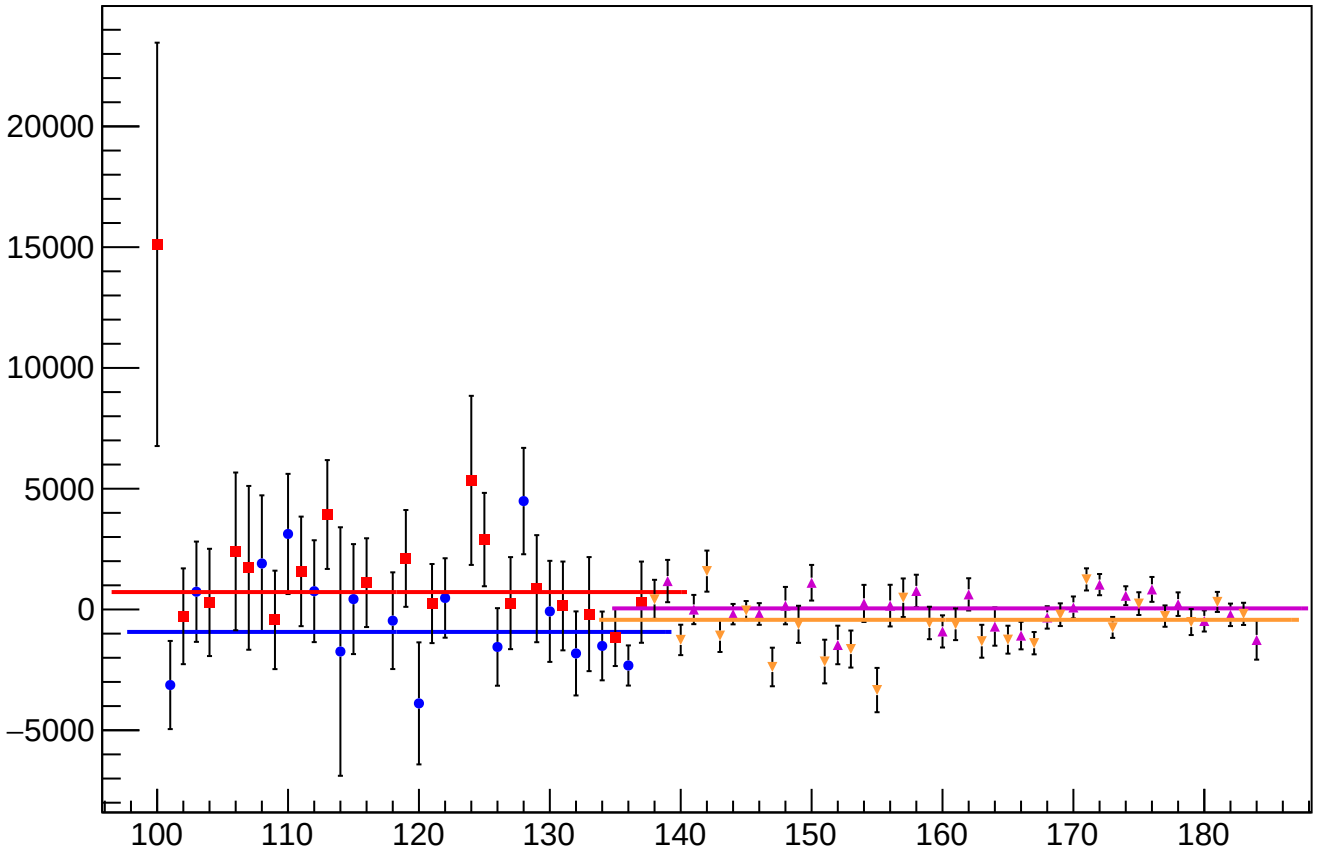
Left: 58.357+/-0.007 χ^2/NDF: 1494455.0/46

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 62.452+/-0.009 χ^2/NDF:2966650.2/38

Out: 62.500+/-0.009 χ^2/NDF:3350237.2/42

All: 62.477+/-0.006 χ^2/NDF: 6316901.4/81



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: 44.830+/-115.765 χ^2/NDF:31.1/22

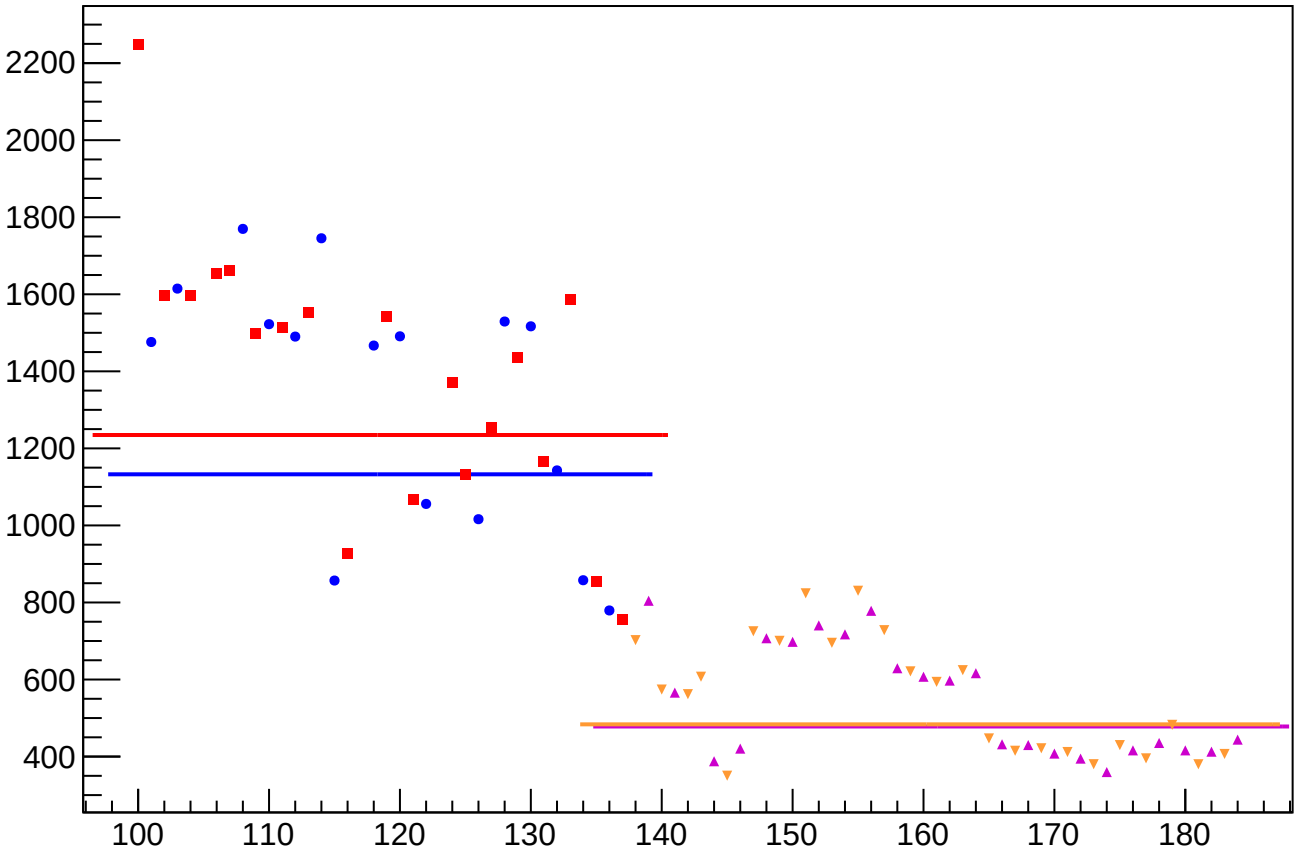
Left: -193.248+/-81.591 χ^2/NDF: 101.3/46

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -18.029+/-111.970 χ^2/NDF:54.2/38

Out: -362.953+/-111.697 χ^2/NDF:80.0/42

All: -190.911+/-79.078 χ^2/NDF: 138.9/81



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: 478.084+/-0.082 χ^2/NDF:2215518.9/22

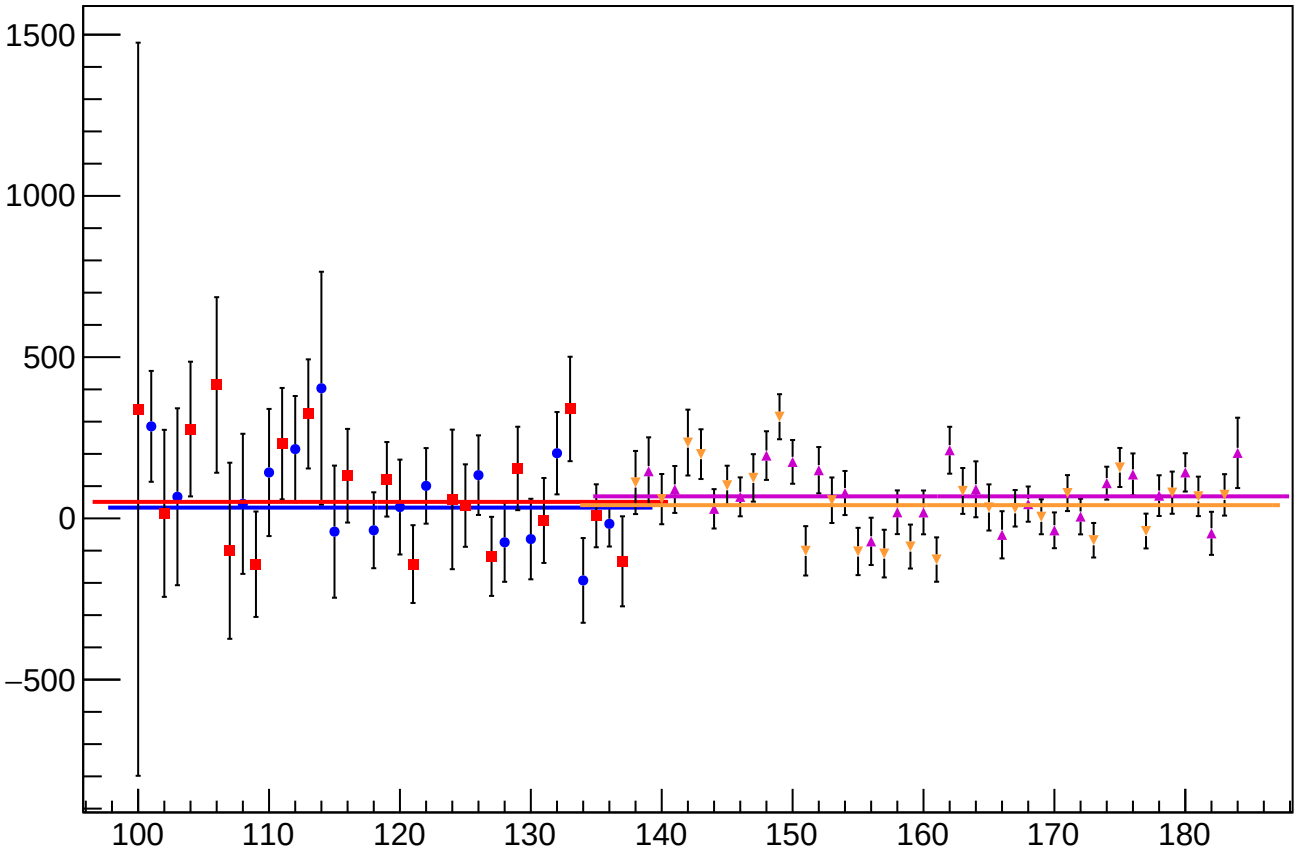
Left: 480.887+/-0.058 χ^2/NDF: 4731005.6/46

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 520.303+/-0.079 χ^2/NDF:7464158.9/38

Out: 526.338+/-0.079 χ^2/NDF:8236387.2/42

All: 523.328+/-0.056 χ^2/NDF: 15703457.9/81



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: 68.343+/-13.866 χ^2/NDF:31.7/22

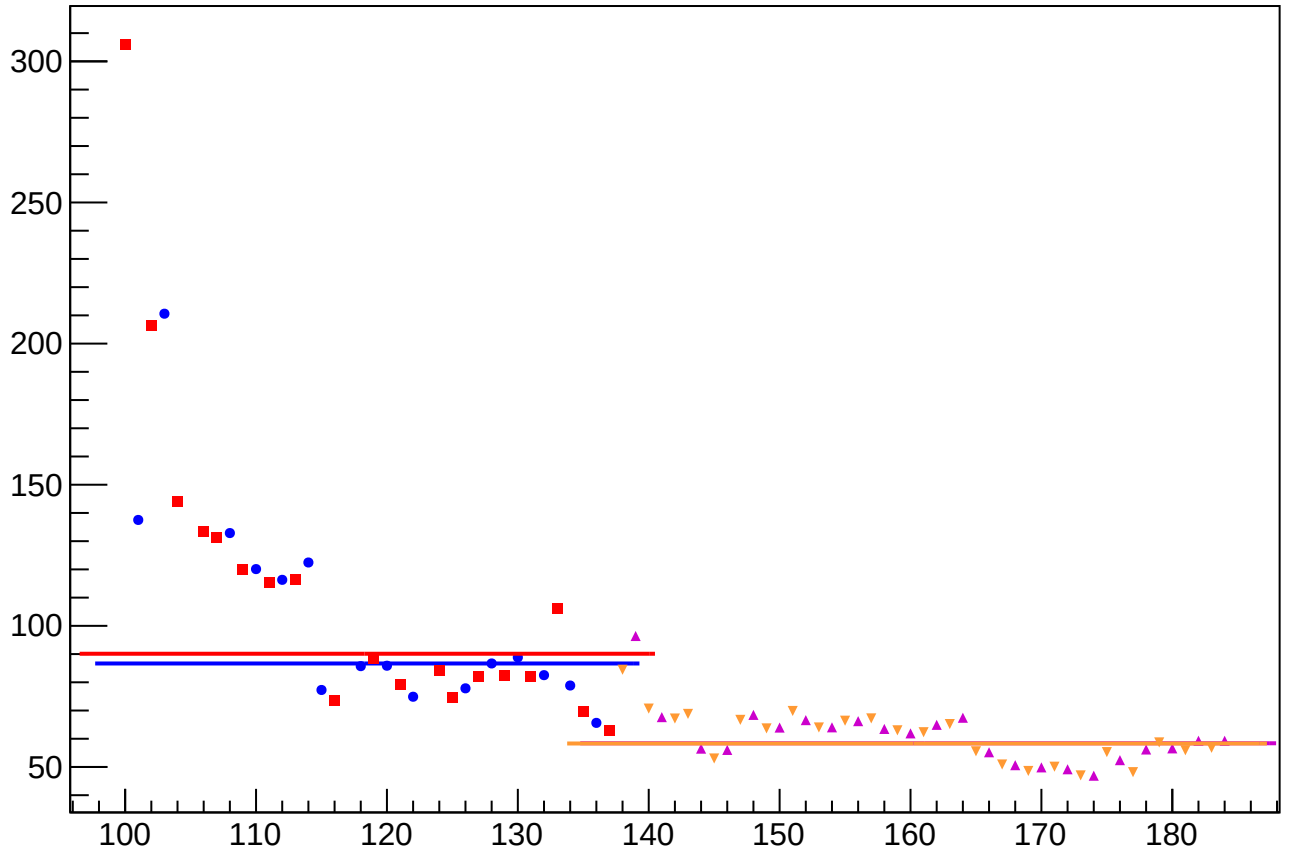
Left: 54.382+/-9.696 χ^2/NDF: 93.0/46

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 63.333+/-12.833 χ^2/NDF:45.5/38

Out: 42.364+/-12.639 χ^2/NDF:78.9/42

All: 52.689+/-9.005 χ^2/NDF: 125.7/81



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: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.357+/-0.007 χ^2/NDF: 1494455.0/46

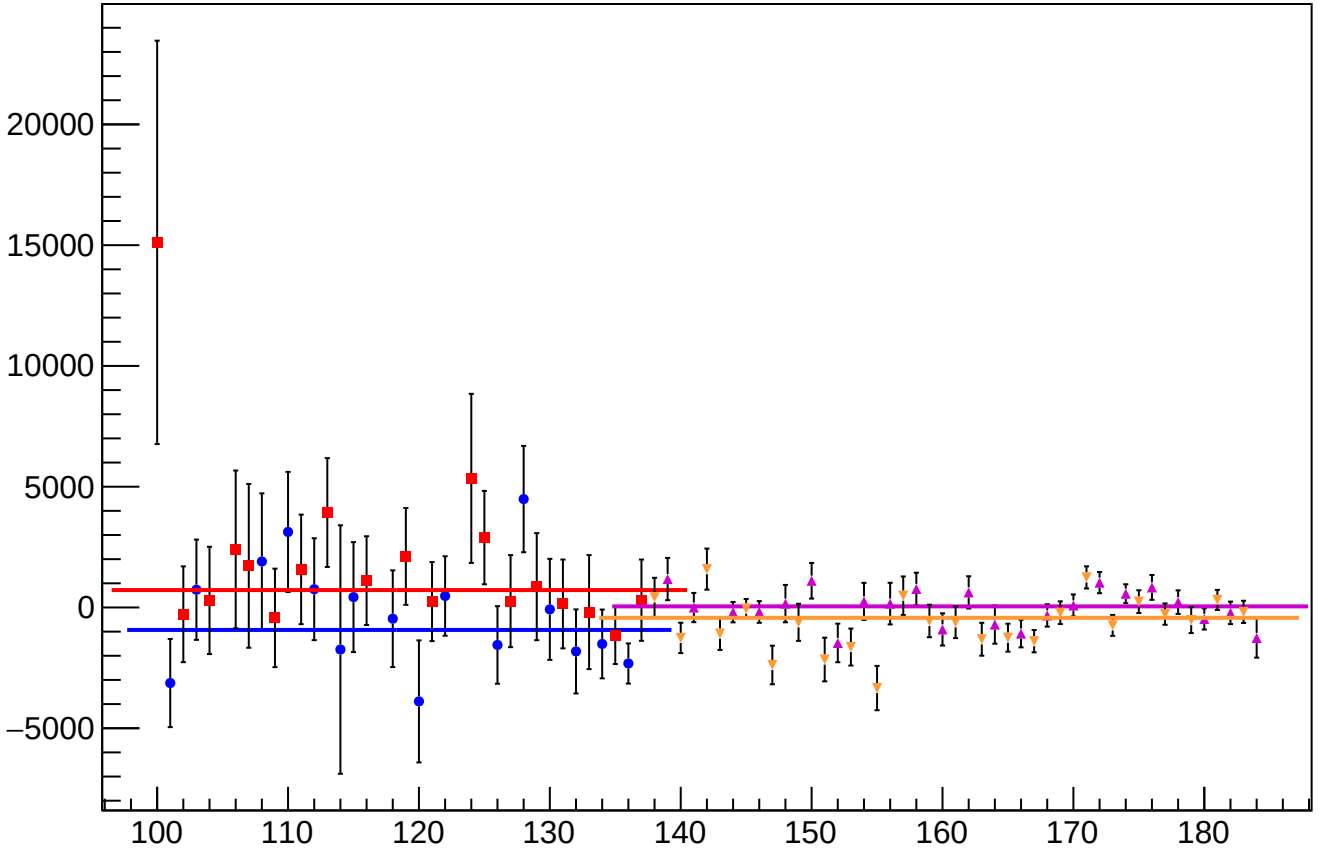
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 62.452+/-0.009 χ^2/NDF:2966650.2/38

Out: 62.500+/-0.009 χ^2/NDF:3350237.2/42

All: 62.477+/-0.006 χ^2/NDF: 6316901.4/81

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: 44.830+/-115.765 χ^2/NDF:31.1/22

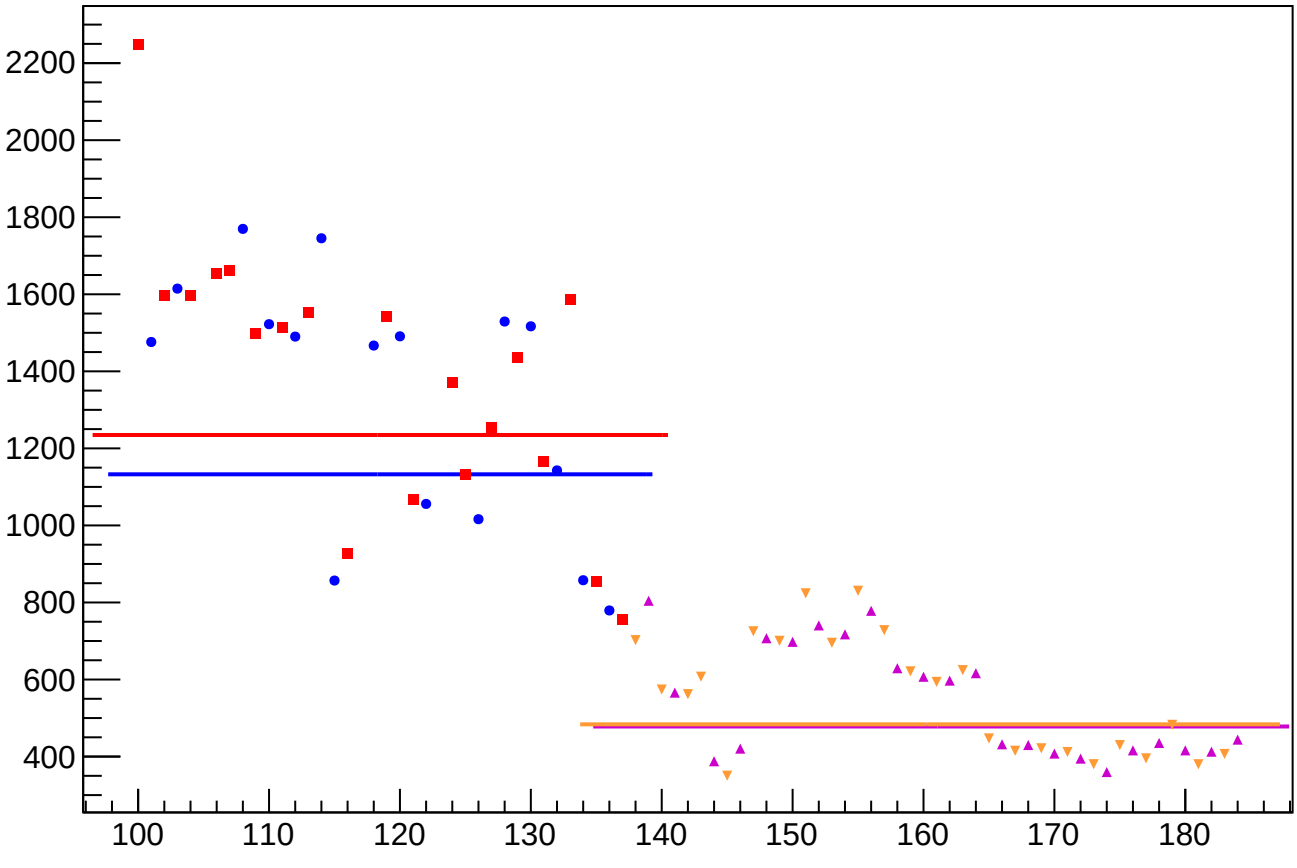
Left: -193.248+/-81.591 χ^2/NDF: 101.3/46

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -18.029+/-111.970 χ^2/NDF:54.2/38

Out: -362.953+/-111.697 χ^2/NDF:80.0/42

All: -190.911+/-79.078 χ^2/NDF: 138.9/81



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: 478.084+/-0.082 χ^2/NDF:2215518.9/22

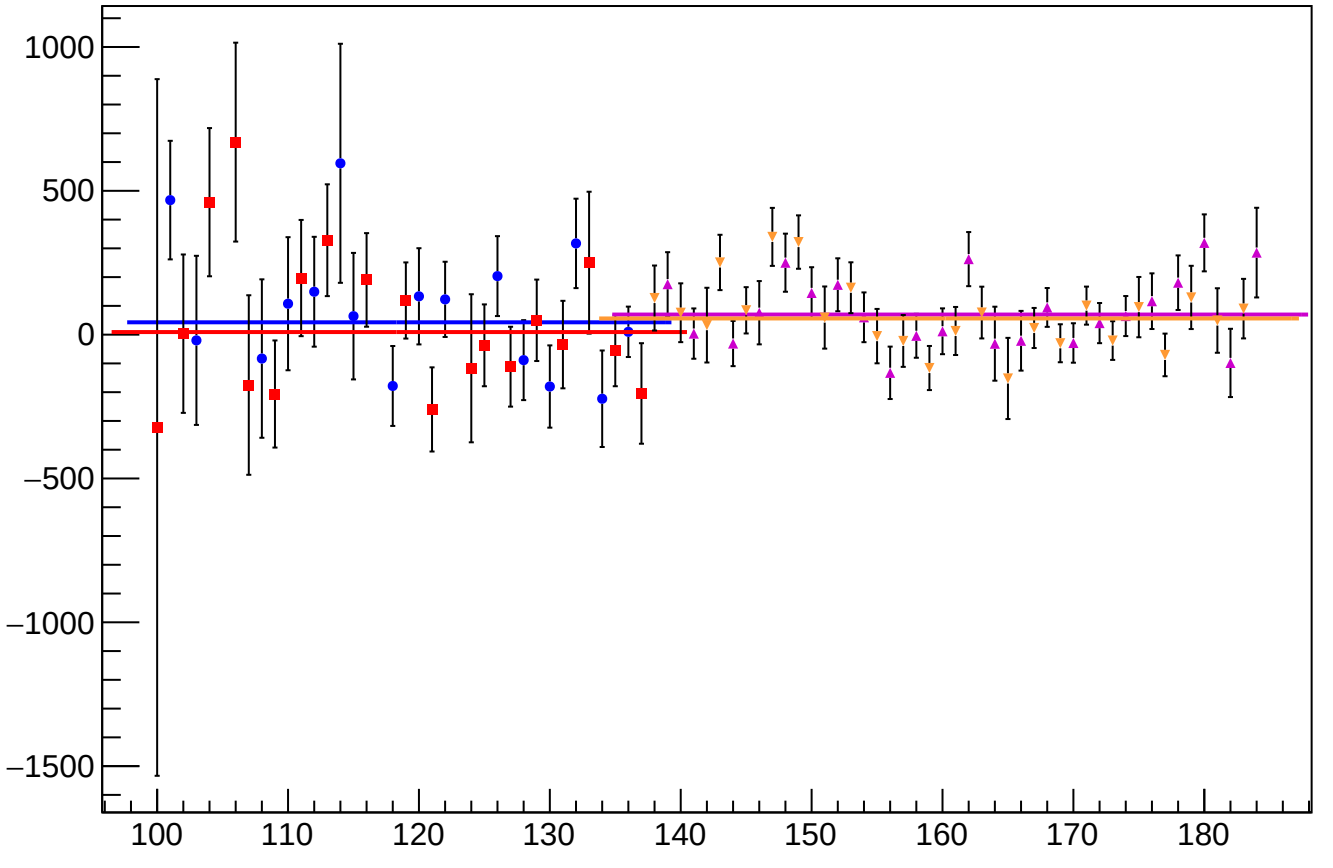
Left: 480.887+/-0.058 χ^2/NDF: 4731005.6/46

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 520.303+/-0.079 χ^2/NDF:7464158.9/38

Out: 526.338+/-0.079 χ^2/NDF:8236387.2/42

All: 523.328+/-0.056 χ^2/NDF: 15703457.9/81



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: 69.844+/-18.497 χ^2/NDF:34.5/22

Left: 62.901+/-12.928 χ^2/NDF: 73.1/46

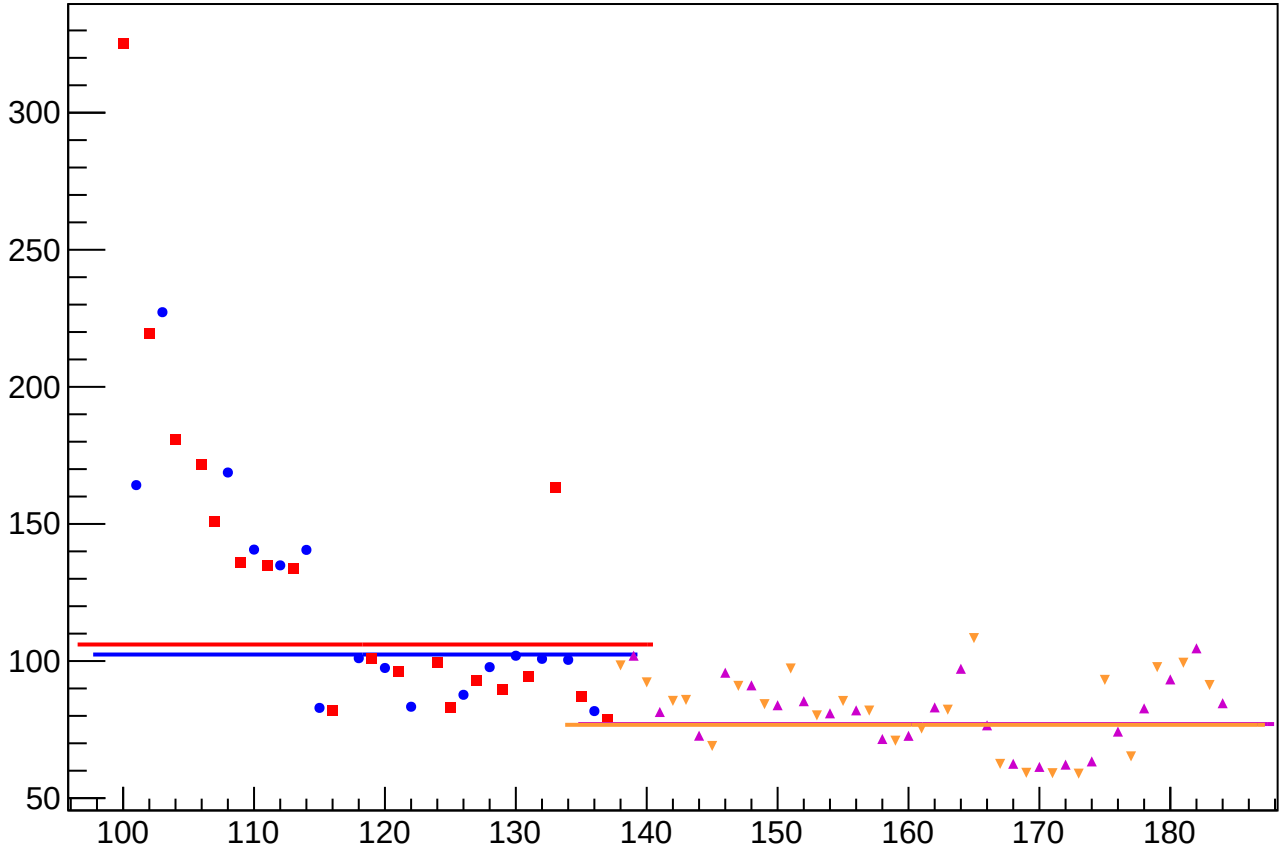
Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 65.090+/-16.785 χ^2/NDF:55.2/38

Out: 48.593+/-16.545 χ^2/NDF:60.7/42

All: 56.722+/-11.783 χ^2/NDF: 116.4/81

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: 77.018+/-0.013 χ^2/NDF:858871.7/22

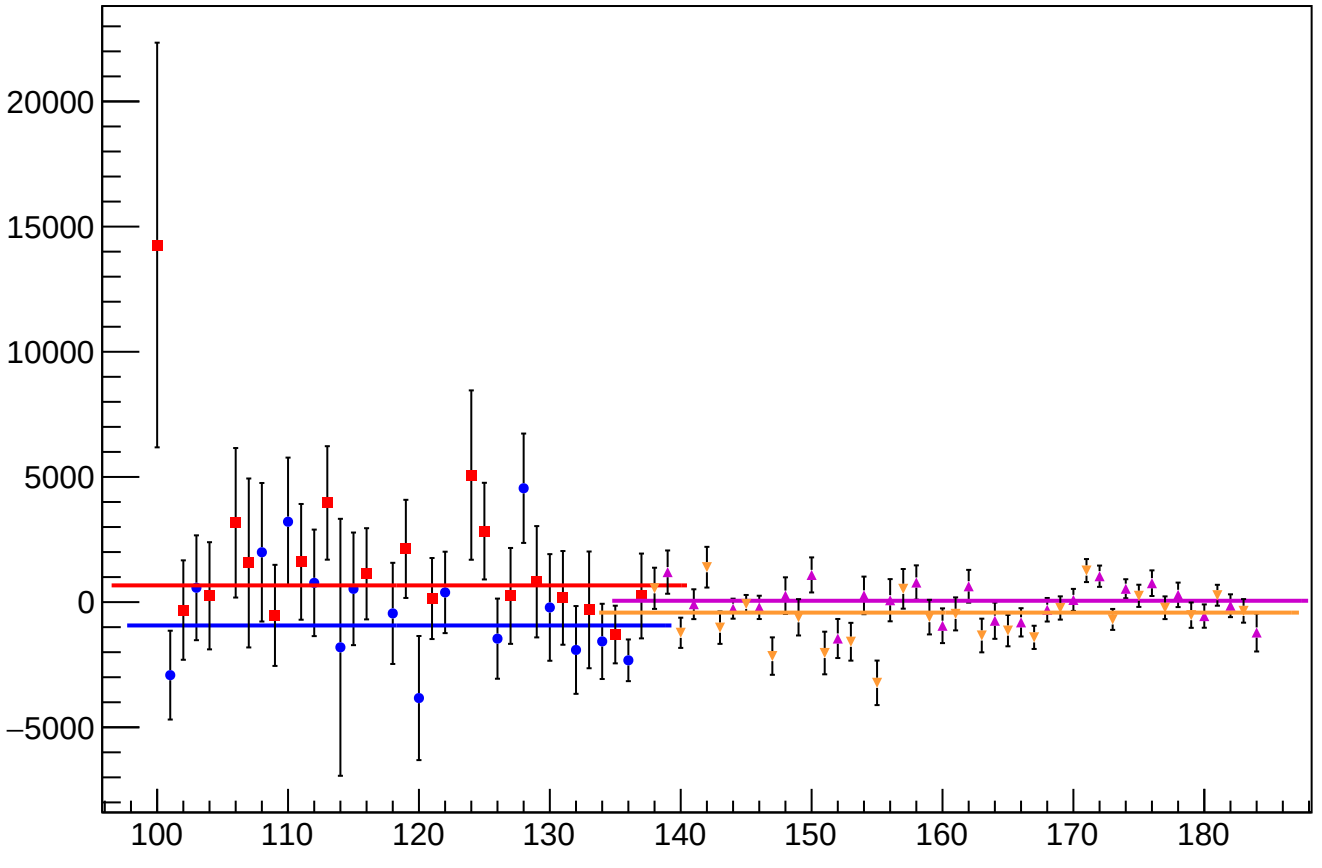
Left: 76.878+/-0.009 χ^2/NDF: 2093725.2/46

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 81.495+/-0.012 χ^2/NDF:2504925.8/38

Out: 81.500+/-0.012 χ^2/NDF:3278322.2/42

All: 81.497+/-0.008 χ^2/NDF: 5783248.1/81



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: 54.192+/-114.223 χ^2/NDF:30.7/22

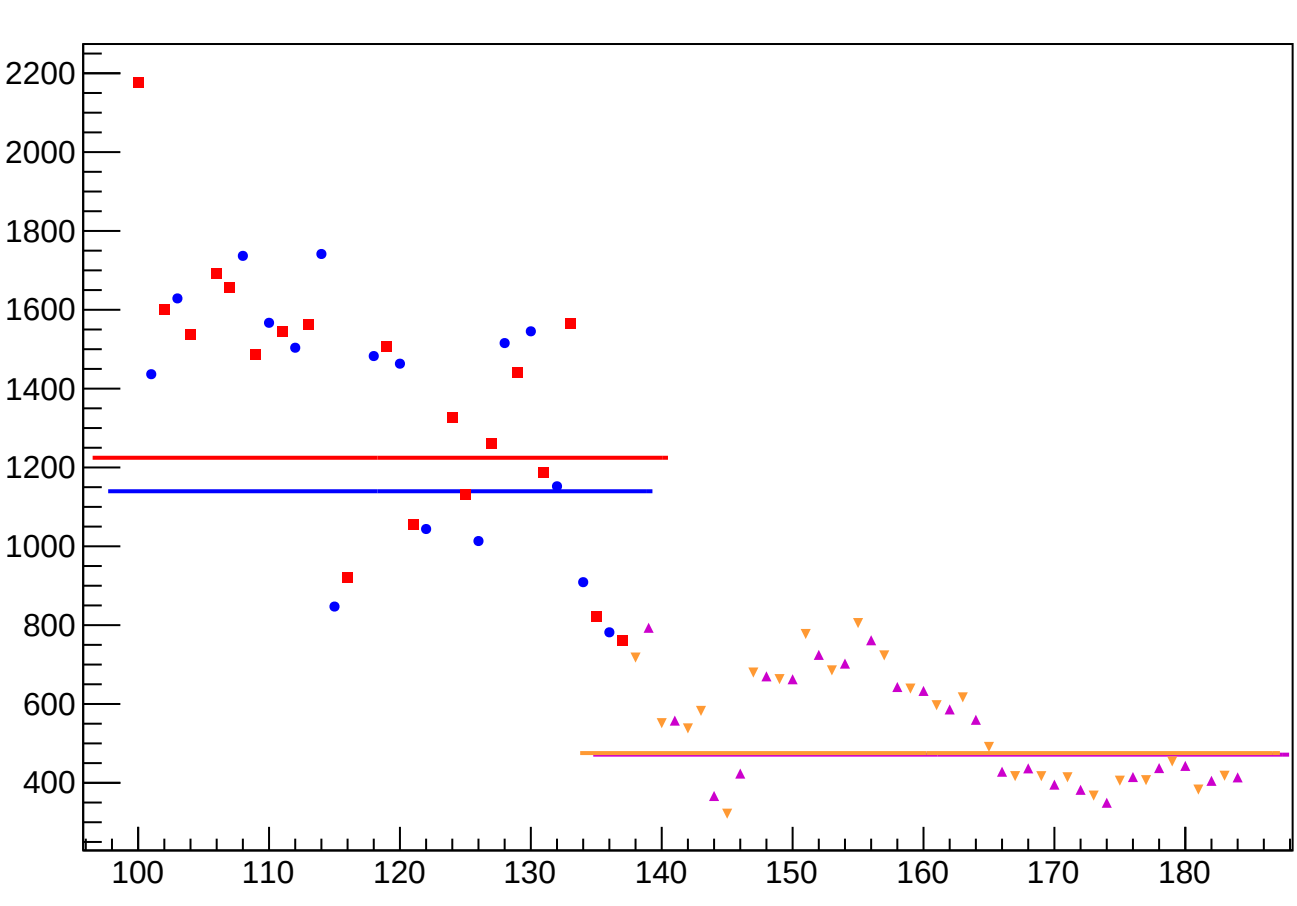
Left: -185.251+/-80.277 χ^2/NDF: 99.1/46

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -7.380+/-110.602 χ^2/NDF:53.8/38

Out: -358.028+/-109.639 χ^2/NDF:78.4/42

All: -184.236+/-77.865 χ^2/NDF: 137.3/81



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: 471.456+/-0.081 χ^2/NDF:2209343.4/22

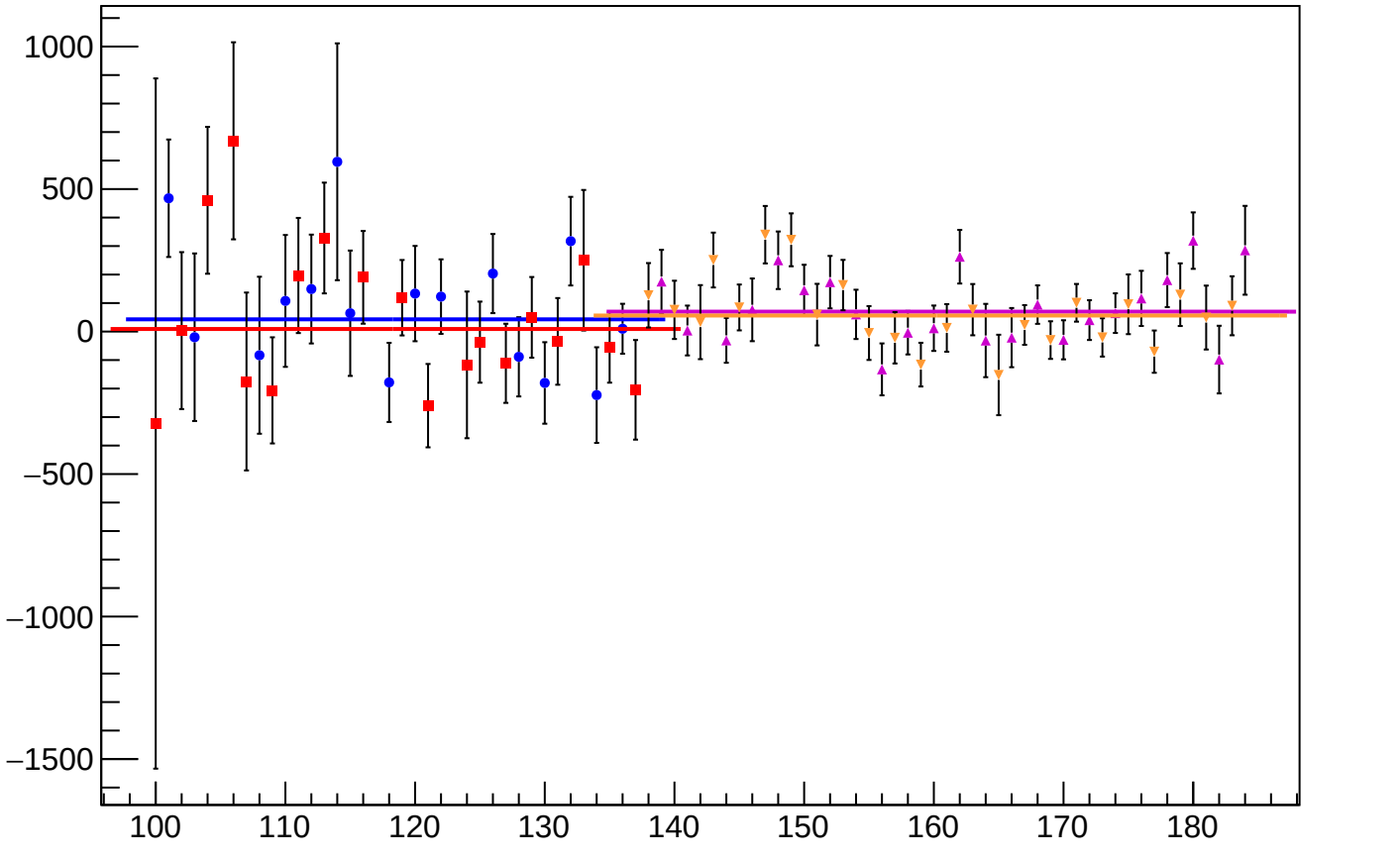
Left: 473.488+/-0.057 χ^2/NDF: 4738095.7/46

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 513.158+/-0.078 χ^2/NDF:7574356.7/38

Out: 517.441+/-0.078 χ^2/NDF:8388298.6/42

All: 515.319+/-0.055 χ^2/NDF: 15964167.9/81



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: 69.843+/-18.497 χ^2/NDF:34.5/22

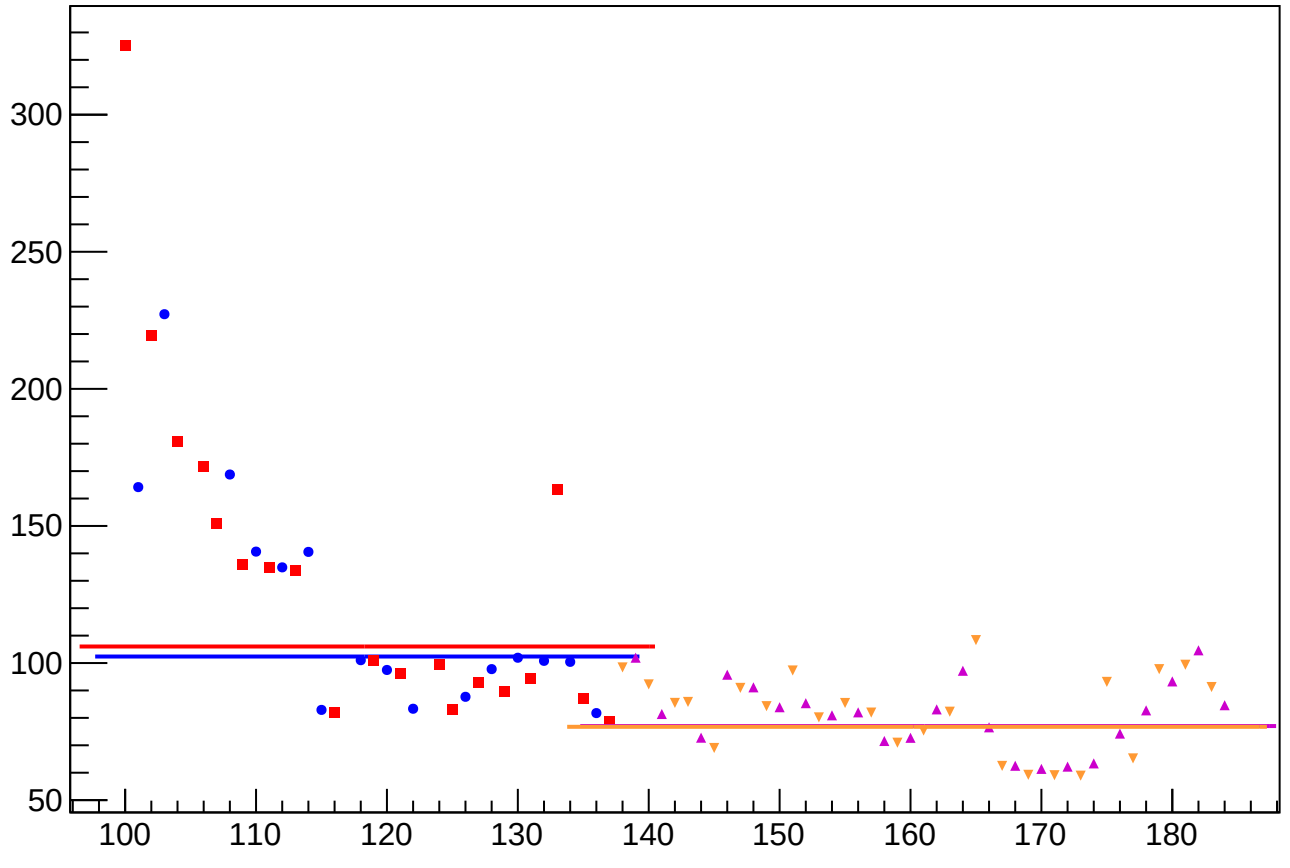
Left: 62.900+/-12.928 χ^2/NDF: 73.1/46

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 65.089+/-16.785 χ^2/NDF:55.2/38

Out: 48.591+/-16.545 χ^2/NDF:60.7/42

All: 56.722+/-11.783 χ^2/NDF: 116.4/81



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: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.878+/-0.009 χ^2/NDF: 2093715.4/46

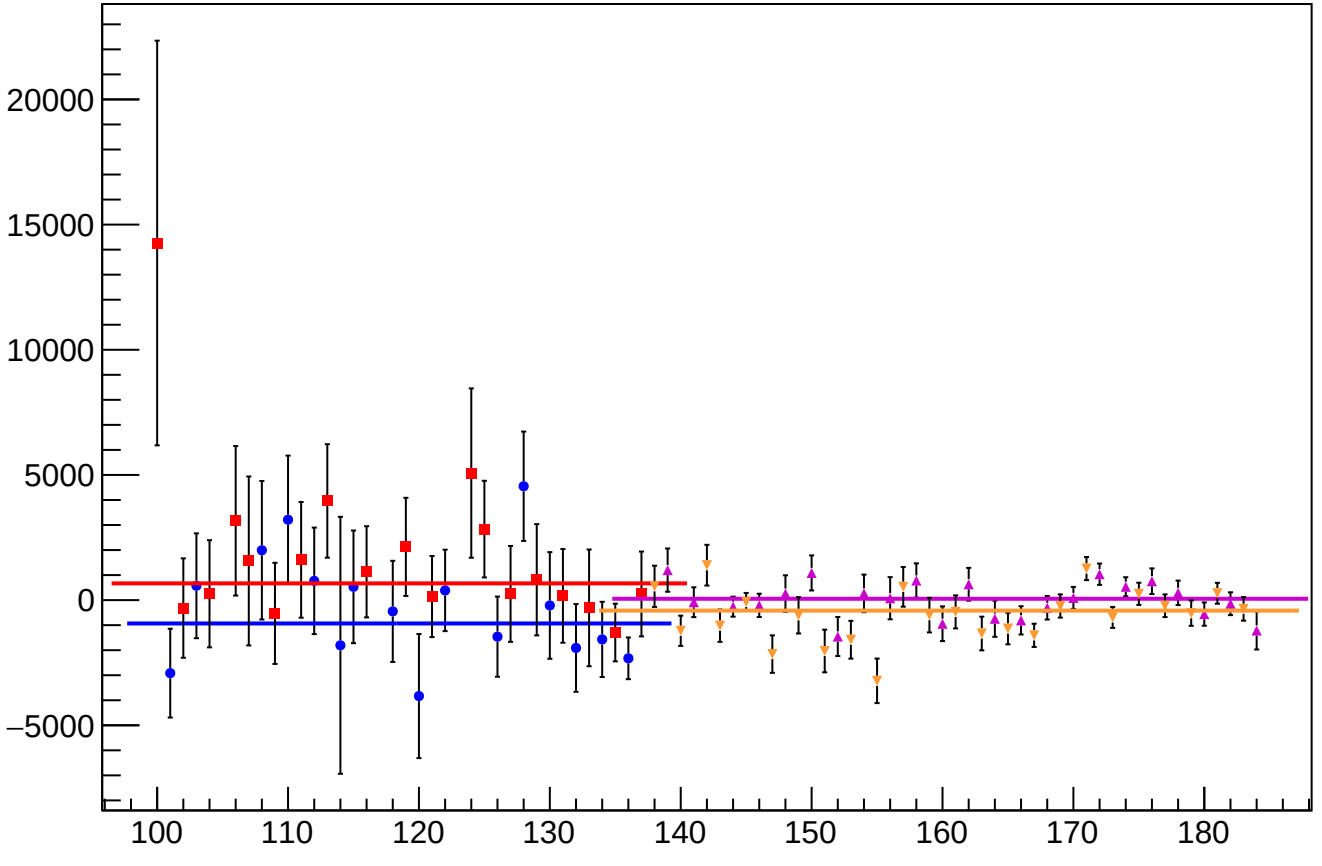
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 81.495+/-0.012 χ^2/NDF:2504887.3/38

Out: 81.500+/-0.012 χ^2/NDF:3278304.3/42

All: 81.498+/-0.008 χ^2/NDF: 5783191.6/81

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: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -185.250+/-80.276 χ^2/NDF: 99.1/46

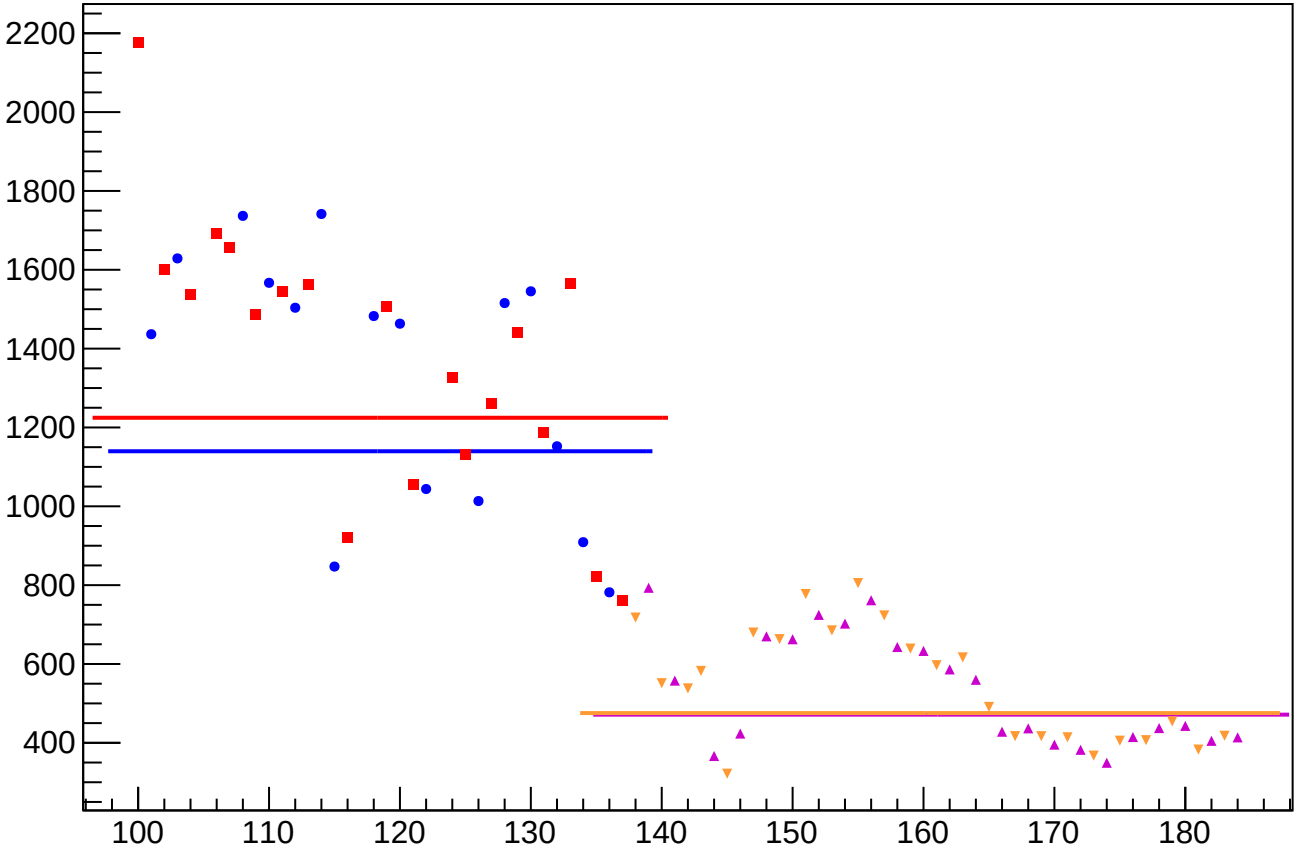
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -7.380+/-110.601 χ^2/NDF:53.8/38

Out: -358.027+/-109.639 χ^2/NDF:78.4/42

All: -184.236+/-77.864 χ^2/NDF: 137.3/81

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: 471.456+/-0.081 χ^2/NDF:2209338.4/22

Left: 473.487+/-0.057 χ^2/NDF: 4738095.1/46

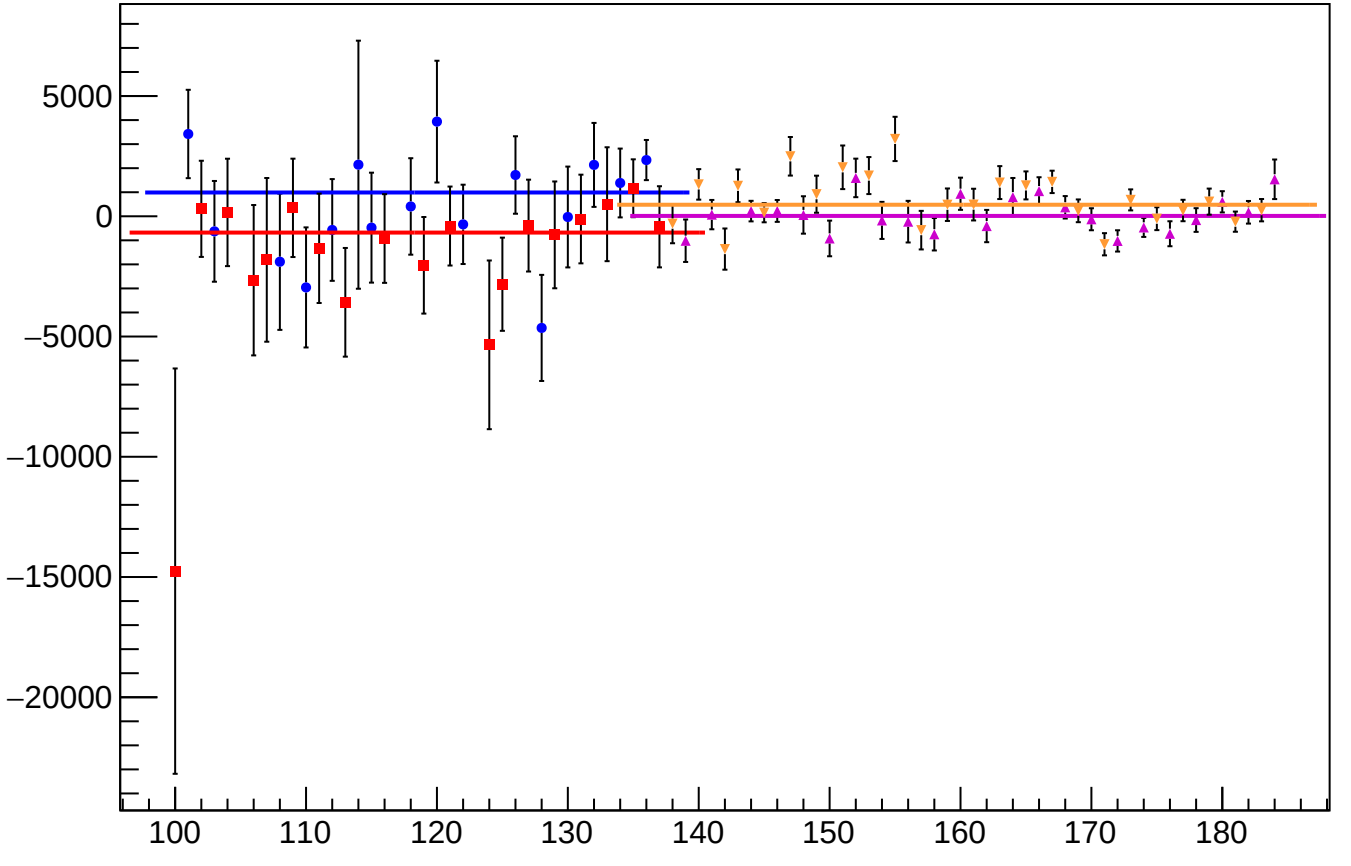
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 513.158+/-0.078 χ^2/NDF:7574338.1/38

Out: 517.441+/-0.078 χ^2/NDF:8388291.7/42

All: 515.318+/-0.055 χ^2/NDF: 15964142.2/81

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: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 249.125+/-82.238 χ^2/NDF: 96.2/46

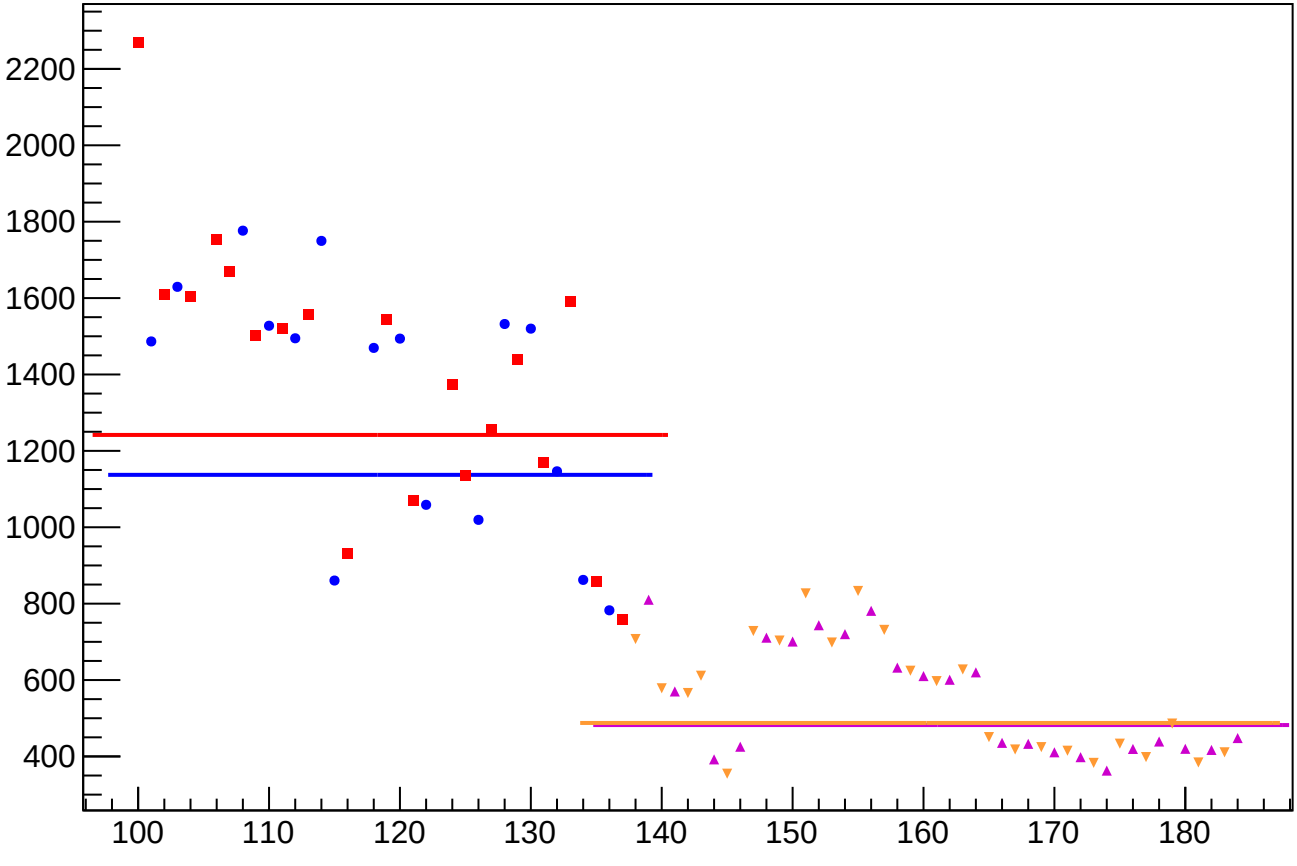
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 78.409+/-112.845 χ^2/NDF:53.9/38

Out: 413.534+/-112.532 χ^2/NDF:75.6/42

All: 246.436+/-79.682 χ^2/NDF: 133.9/81

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: 482.160+/-0.083 χ^2/NDF:2186689.9/22

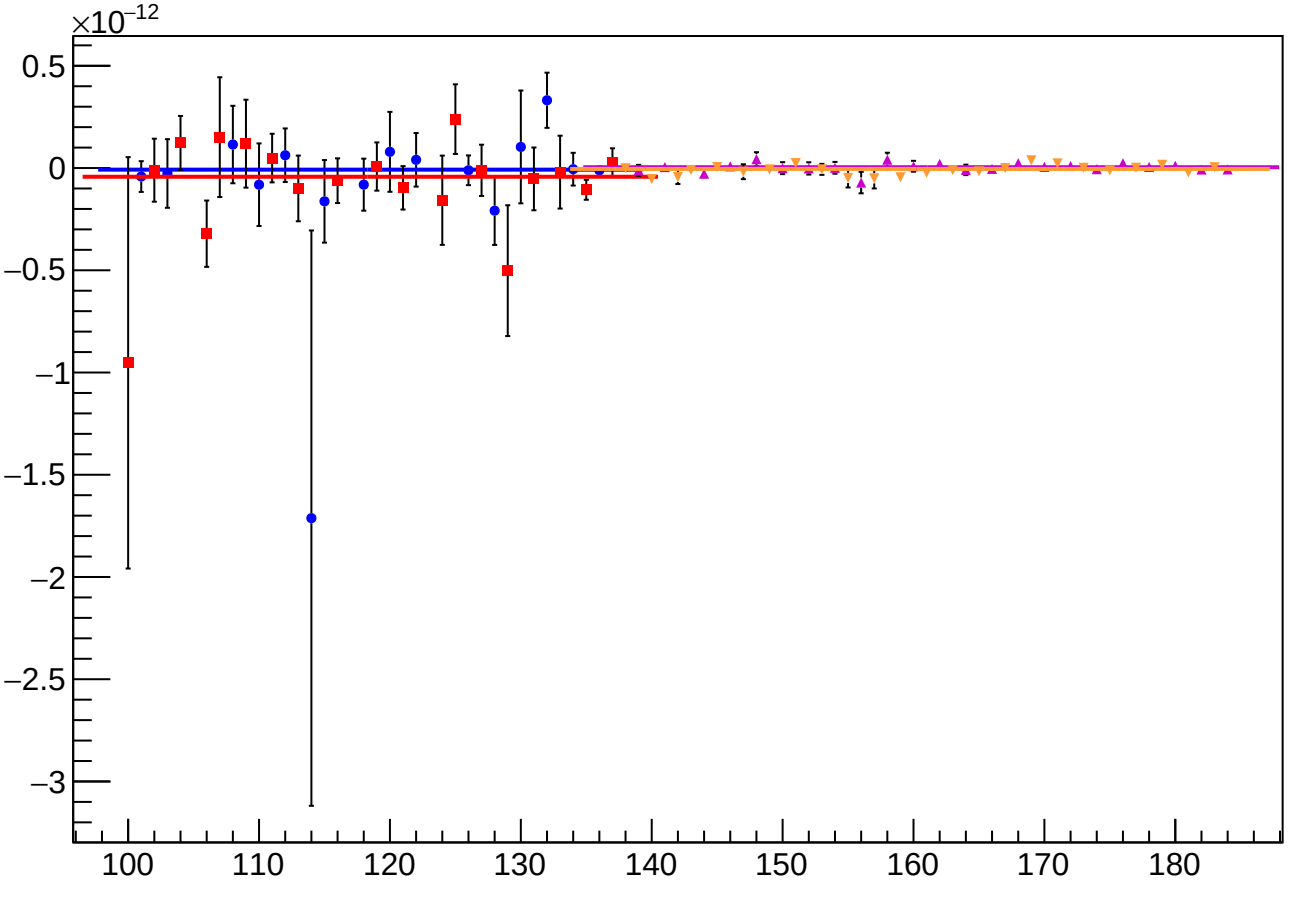
Left: 484.924+/-0.058 χ^2/NDF: 4668208.7/46

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 524.735+/-0.080 χ^2/NDF:7405966.1/38

Out: 530.942+/-0.080 χ^2/NDF:8238422.6/42

All: 527.847+/-0.056 χ^2/NDF: 15647422.9/81



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:15.0/22

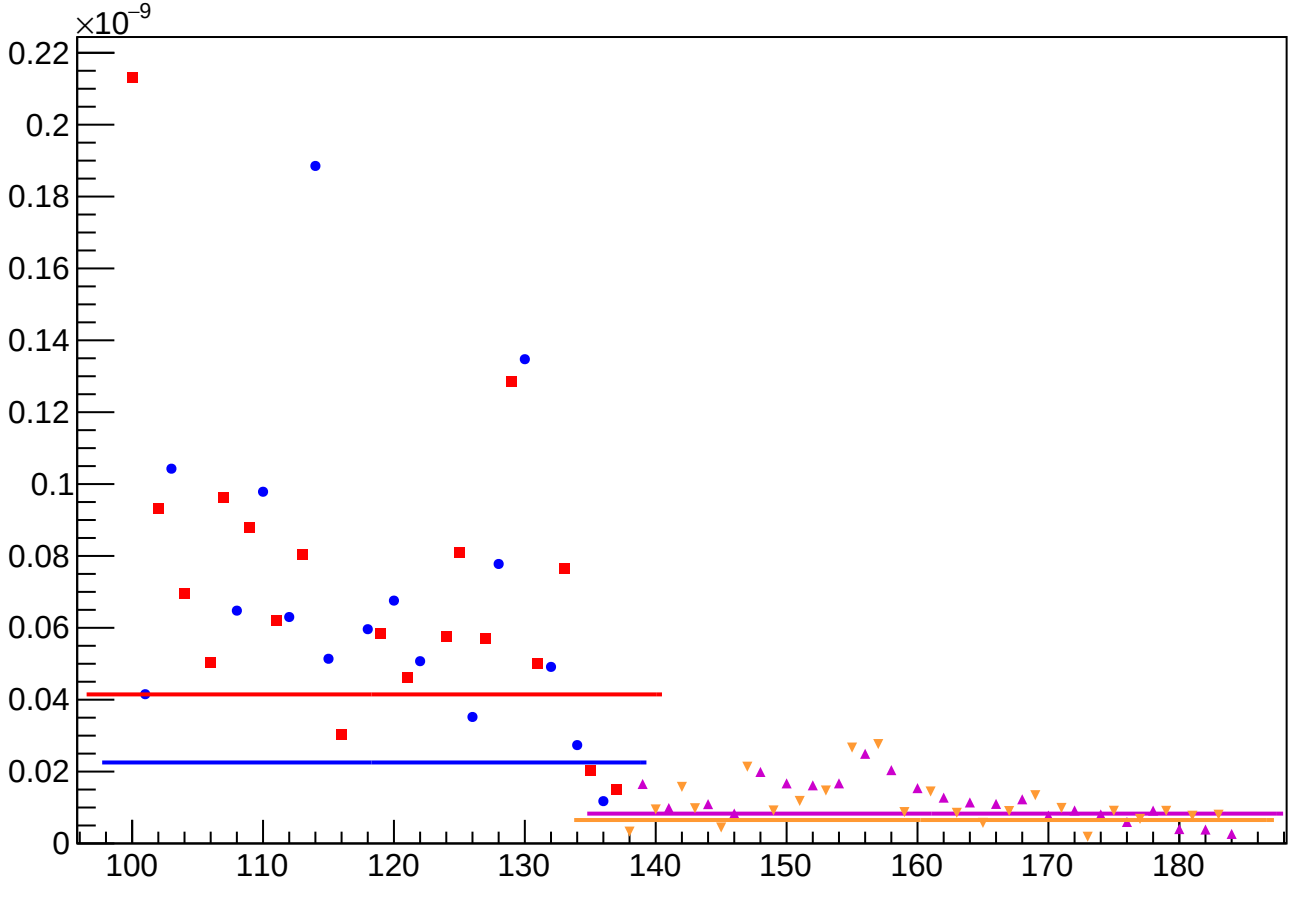
Left: -0.000+/-0.000 χ^2/NDF: 46.8/46

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:27.2/38

Out: -0.000+/-0.000 χ^2/NDF:46.3/42

All: -0.000+/-0.000 χ^2/NDF: 76.6/81



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:2799238.8/22

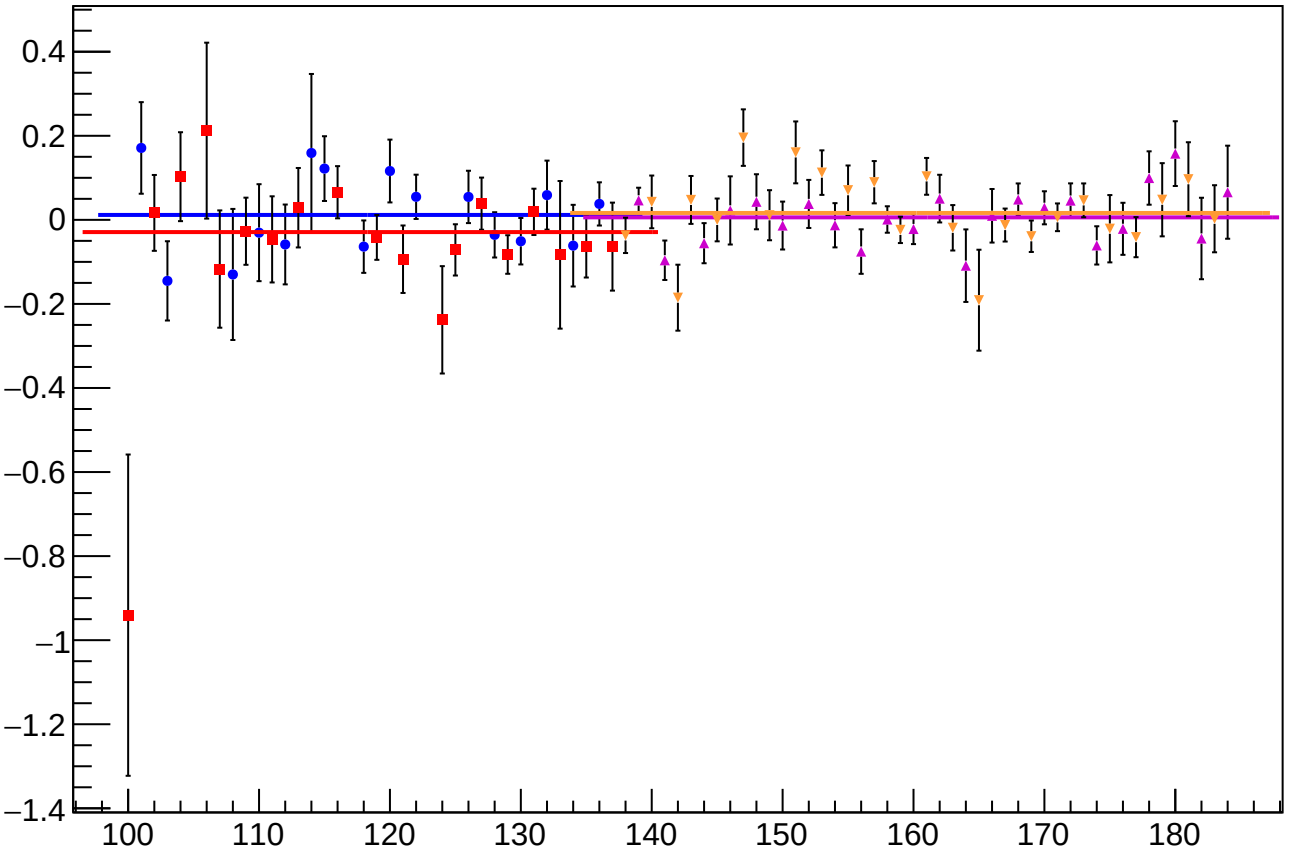
Left: 0.000+/-0.000 χ^2/NDF: 6792085.3/46

Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:6937261.8/38

Out: 0.000+/-0.000 χ^2/NDF:8868622.5/42

All: 0.000+/-0.000 χ^2/NDF: 16130457.2/81



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: 0.006+/-0.010 χ^2/NDF:26.0/22

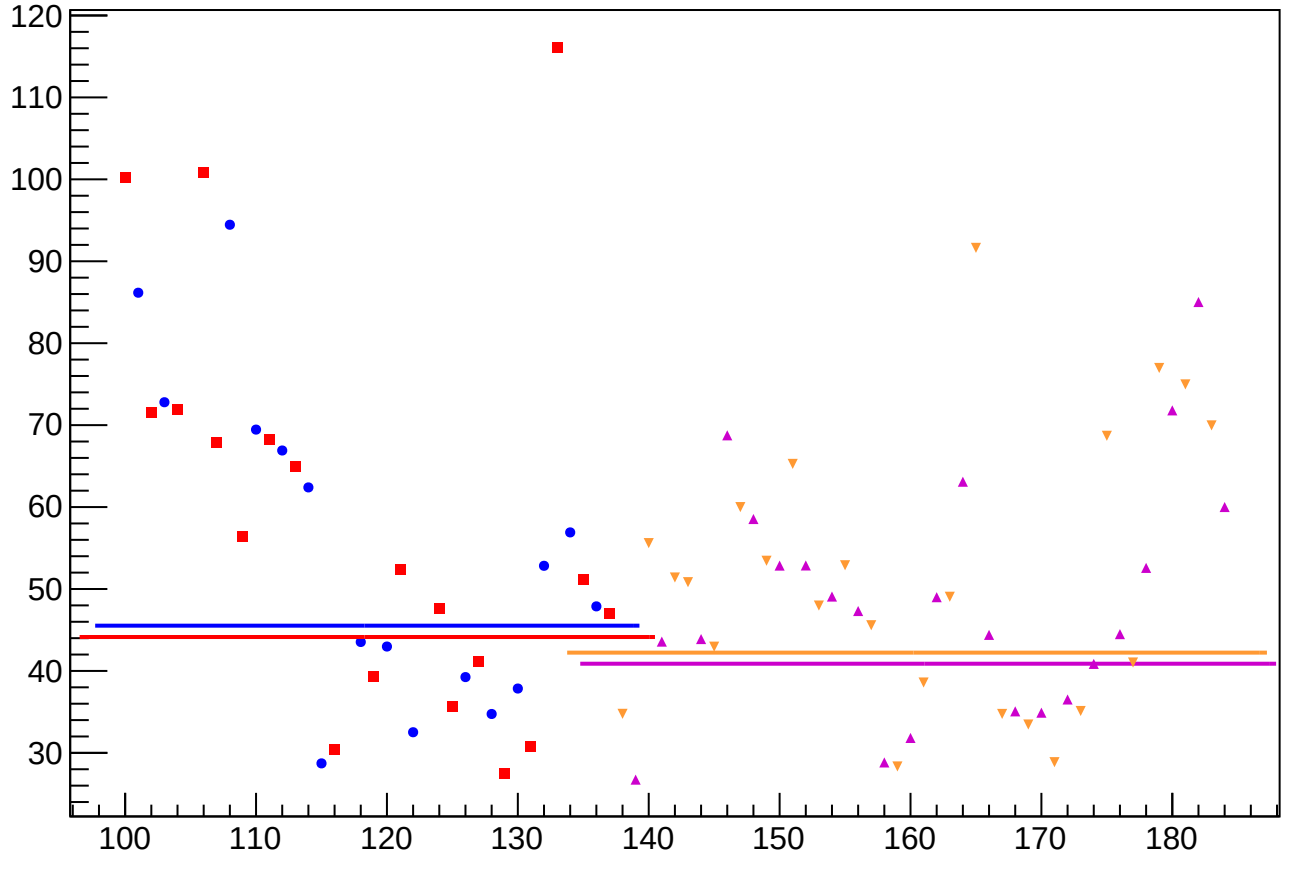
Left: 0.011+/-0.007 χ^2/NDF: 67.5/46

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:42.9/38

Out: 0.005+/-0.009 χ^2/NDF:65.4/42

All: 0.006+/-0.006 χ^2/NDF: 108.4/81



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: 40.881+/-0.007 χ^2/NDF:2678327.2/22

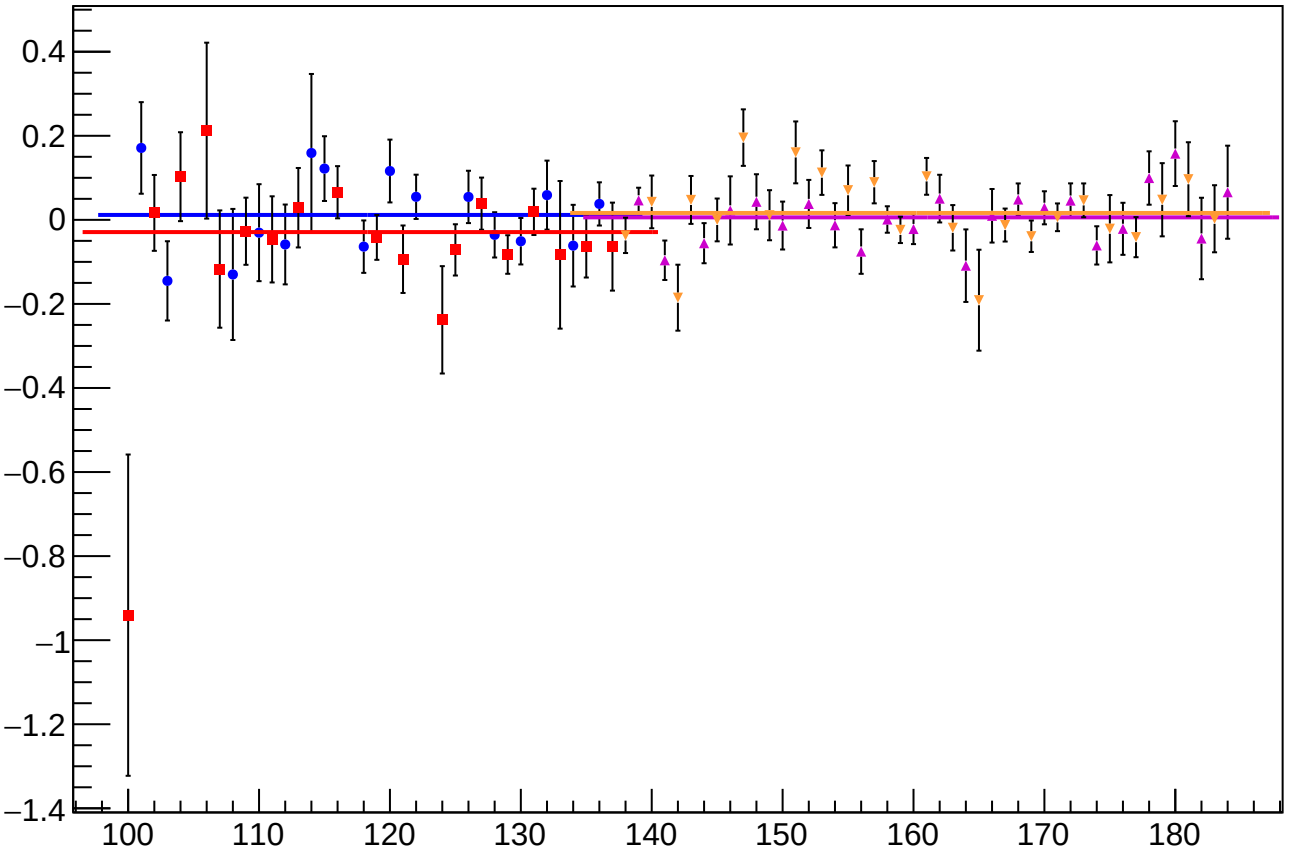
Left: 41.551+/-0.005 χ^2/NDF: 5836174.4/46

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.993+/-0.006 χ^2/NDF:4030039.4/38

Out: 42.715+/-0.006 χ^2/NDF:4901104.6/42

All: 42.354+/-0.004 χ^2/NDF: 8937621.6/81



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: 0.006+/-0.010 χ^2/NDF:26.0/22

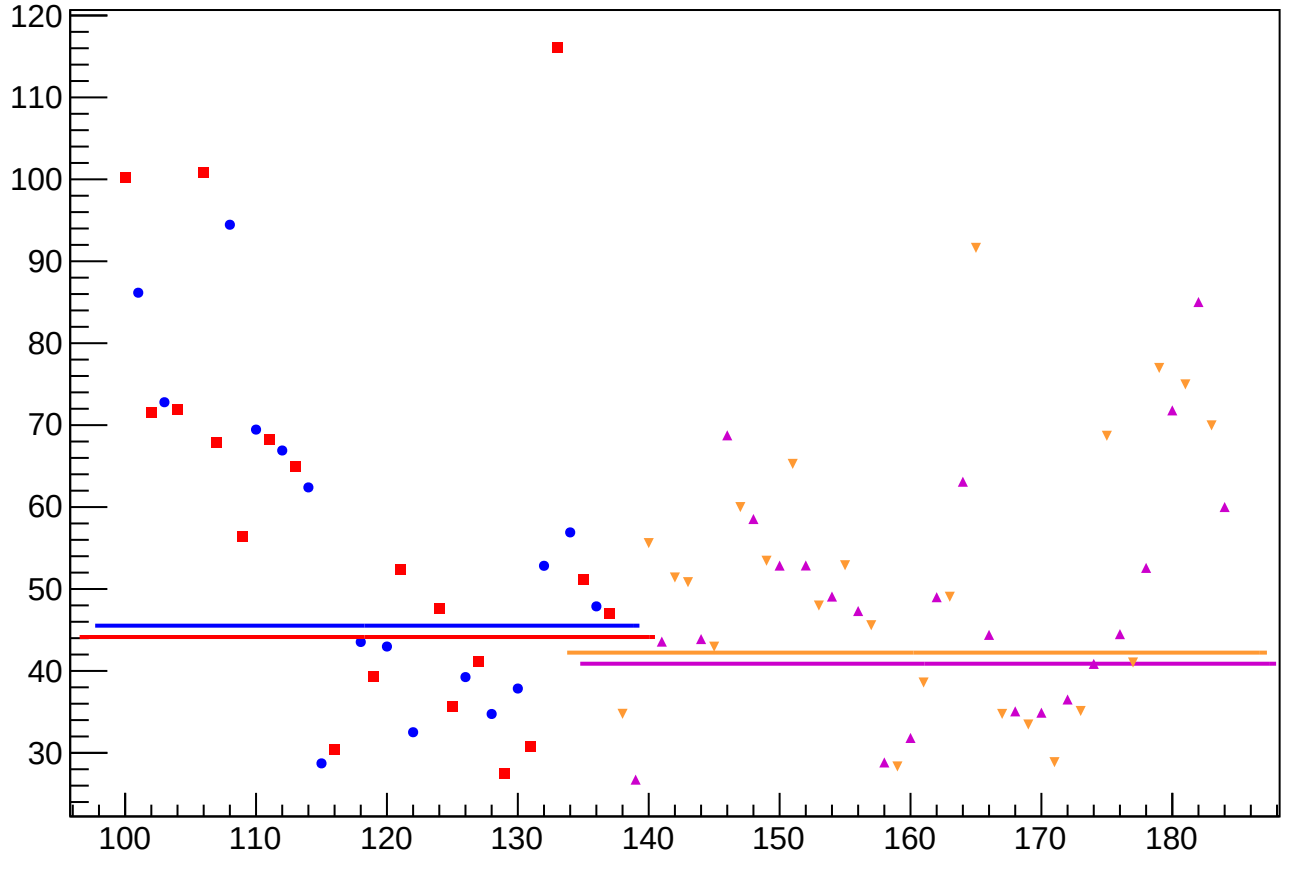
Left: 0.011+/-0.007 χ^2/NDF: 67.5/46

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:42.9/38

Out: 0.005+/-0.009 χ^2/NDF:65.4/42

All: 0.006+/-0.006 χ^2/NDF: 108.4/81



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: 40.881+/-0.007 χ^2/NDF:2678327.2/22

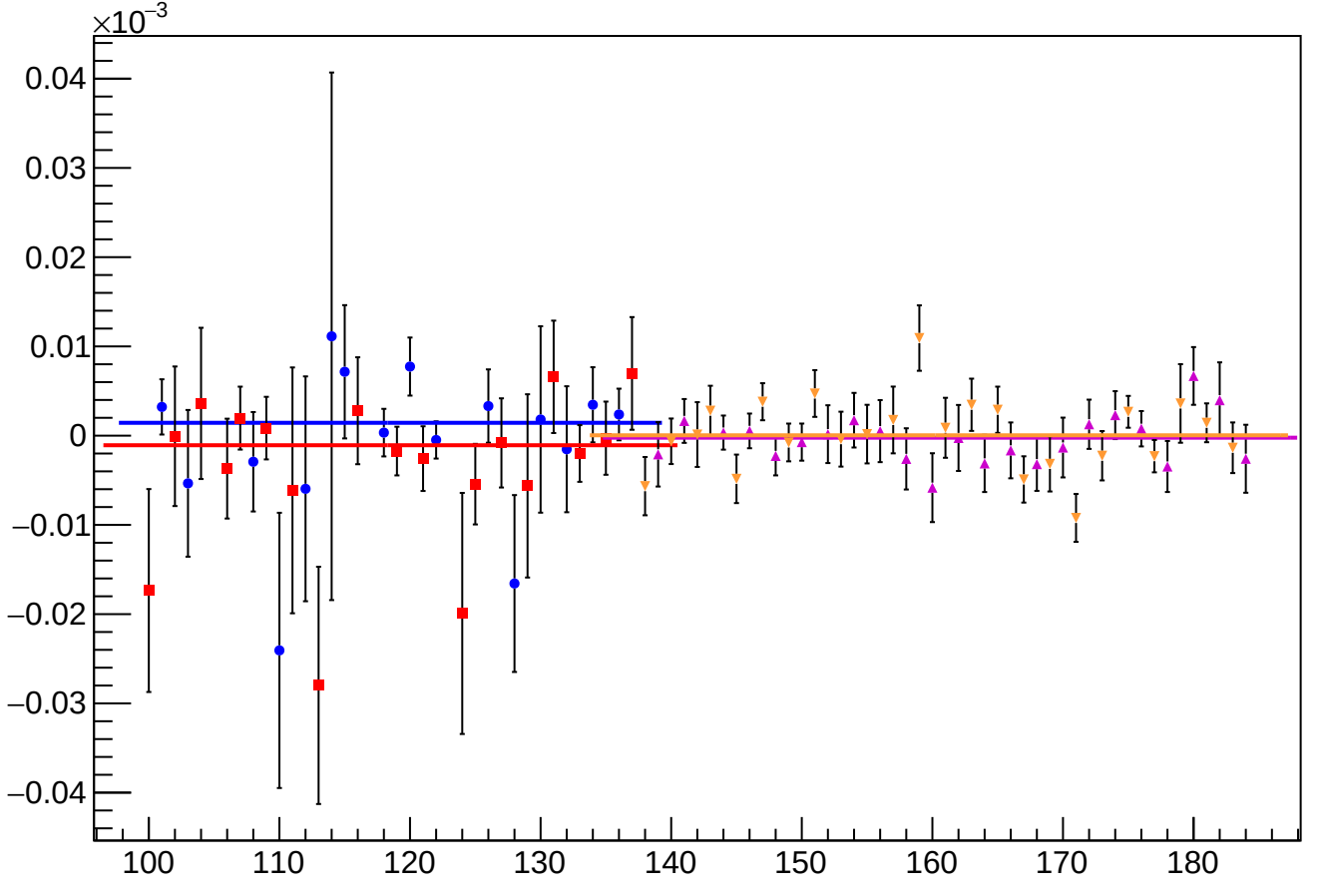
Left: 41.551+/-0.005 χ^2/NDF: 5836174.4/46

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.993+/-0.006 χ^2/NDF:4030039.4/38

Out: 42.715+/-0.006 χ^2/NDF:4901104.6/42

All: 42.354+/-0.004 χ^2/NDF: 8937621.6/81



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:15.8/22

Left: -0.000+/-0.000 χ^2/NDF: 64.1/46

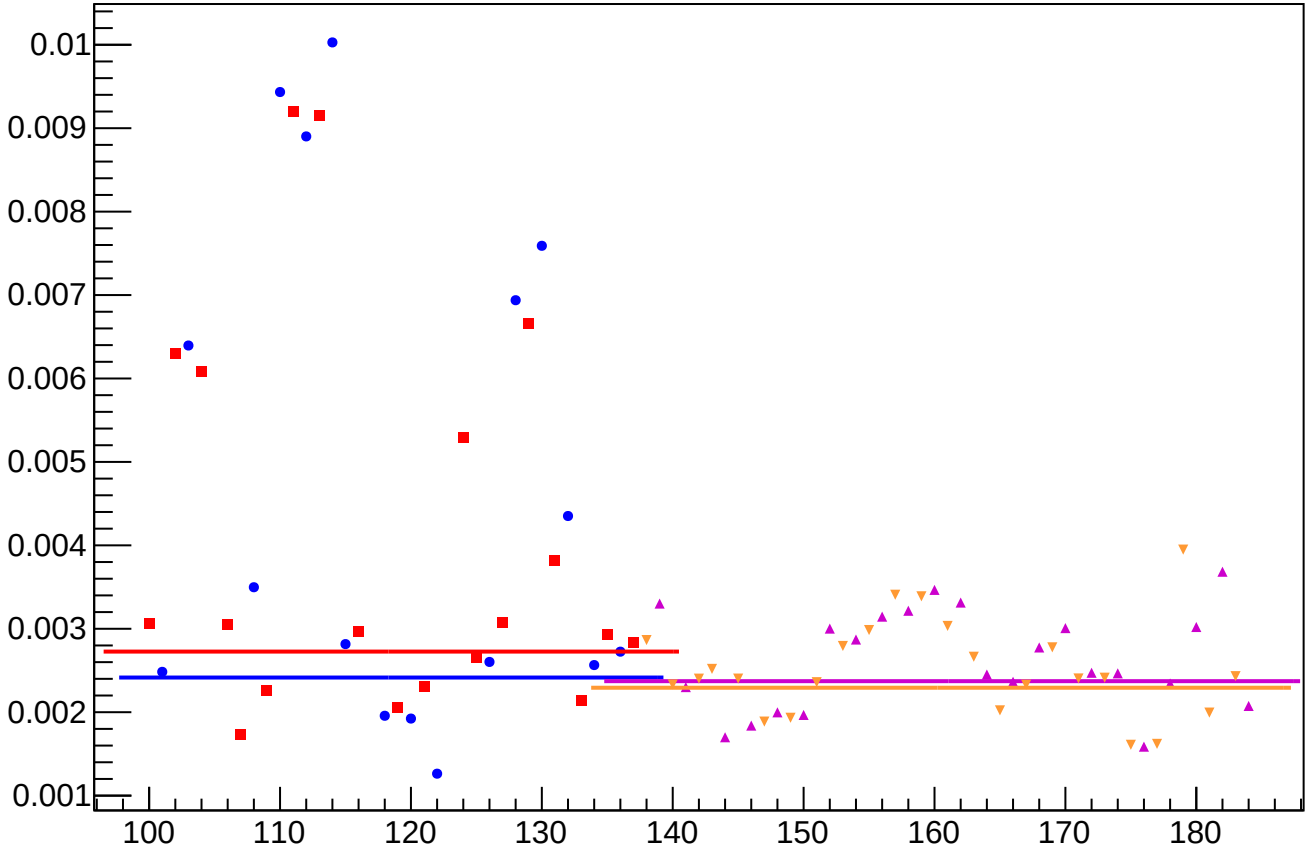
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:32.0/38

Out: -0.000+/-0.000 χ^2/NDF:63.7/42

All: -0.000+/-0.000 χ^2/NDF: 95.9/81

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:2020314.6/22

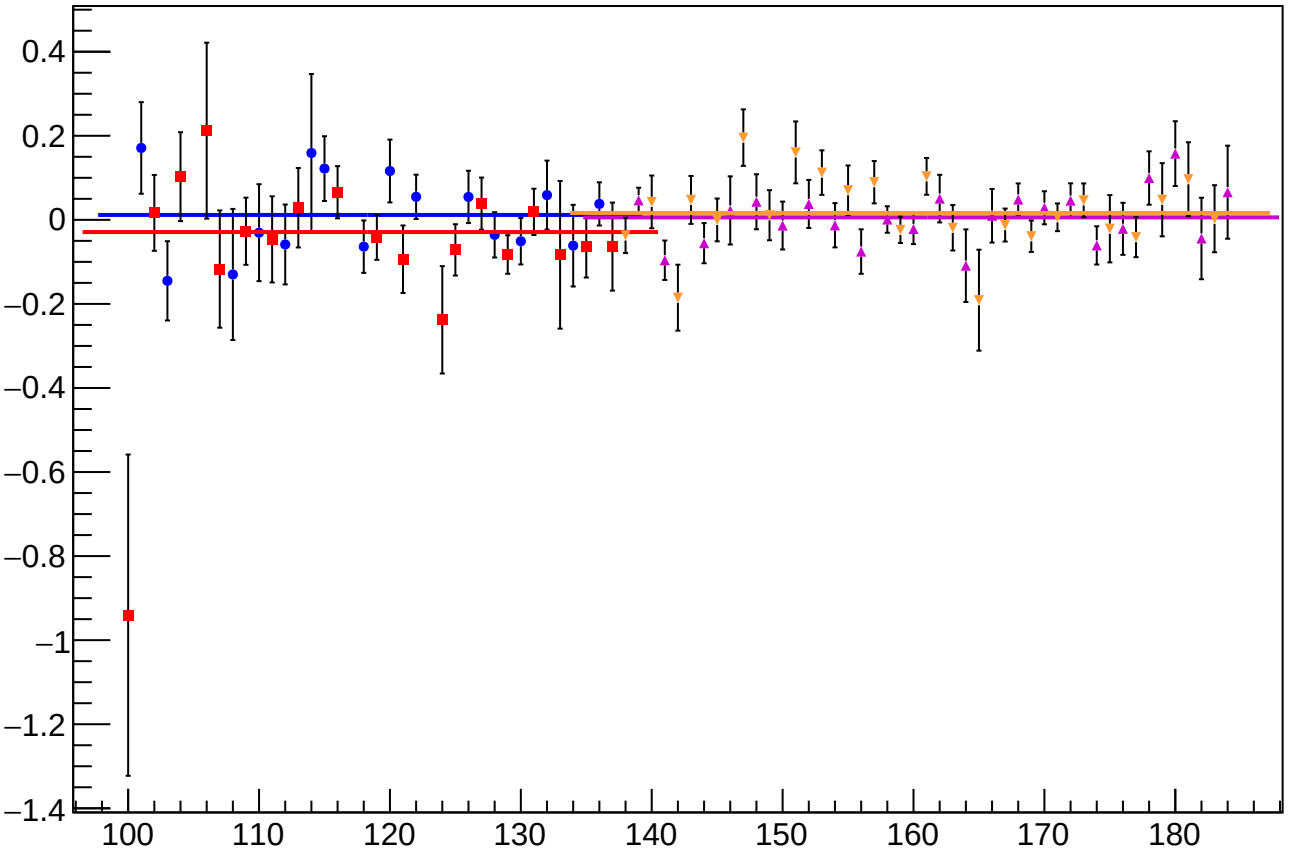
Left: 0.002+/-0.000 χ^2/NDF: 3857960.7/46

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:5455102.0/38

Out: 0.002+/-0.000 χ^2/NDF:4565015.1/42

All: 0.002+/-0.000 χ^2/NDF: 10020327.6/81



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: 0.006+/-0.010 χ^2/NDF:26.0/22

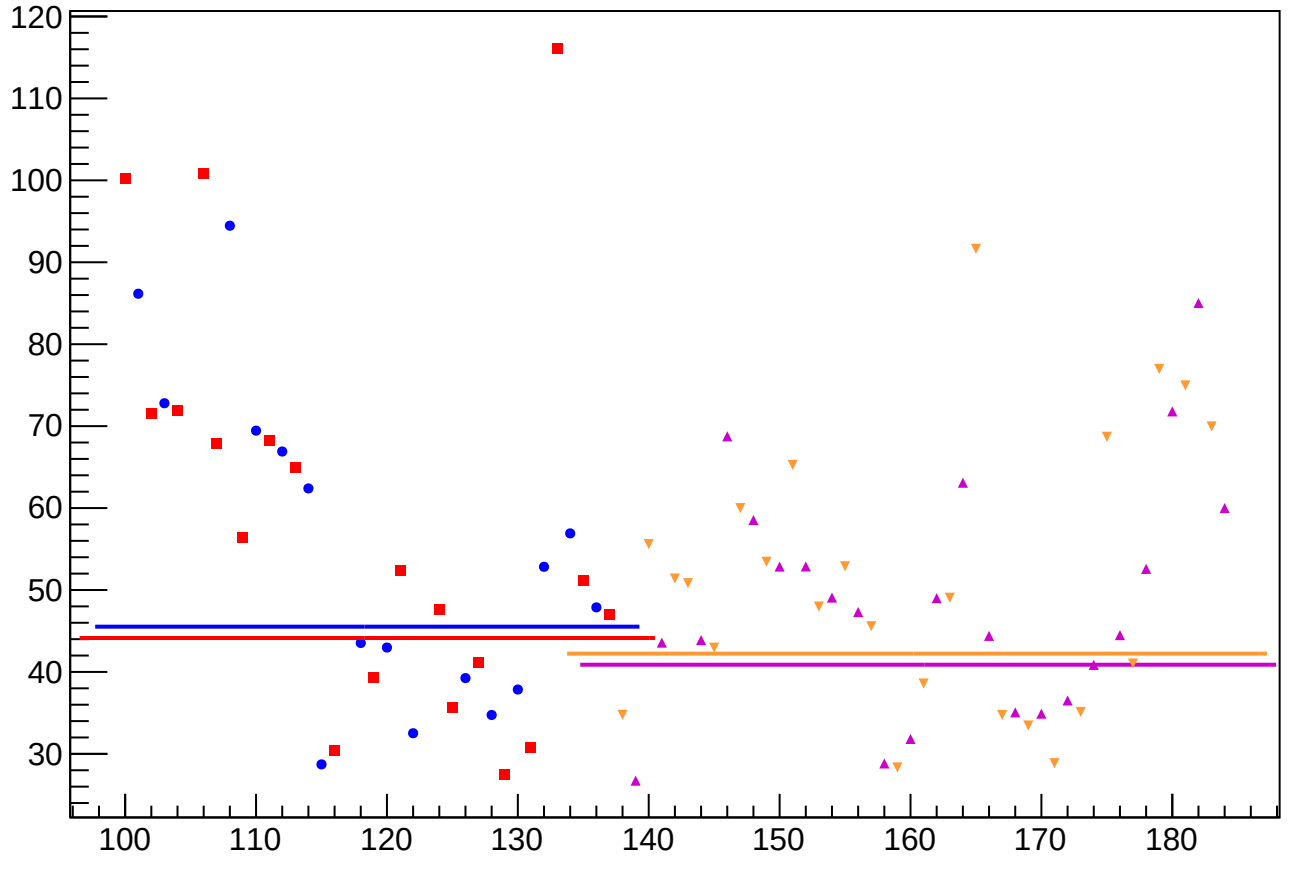
Left: 0.011+/-0.007 χ^2/NDF: 67.5/46

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:42.9/38

Out: 0.005+/-0.009 χ^2/NDF:65.5/42

All: 0.006+/-0.006 χ^2/NDF: 108.4/81



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: 40.881+/-0.007 χ^2/NDF:2678344.3/22

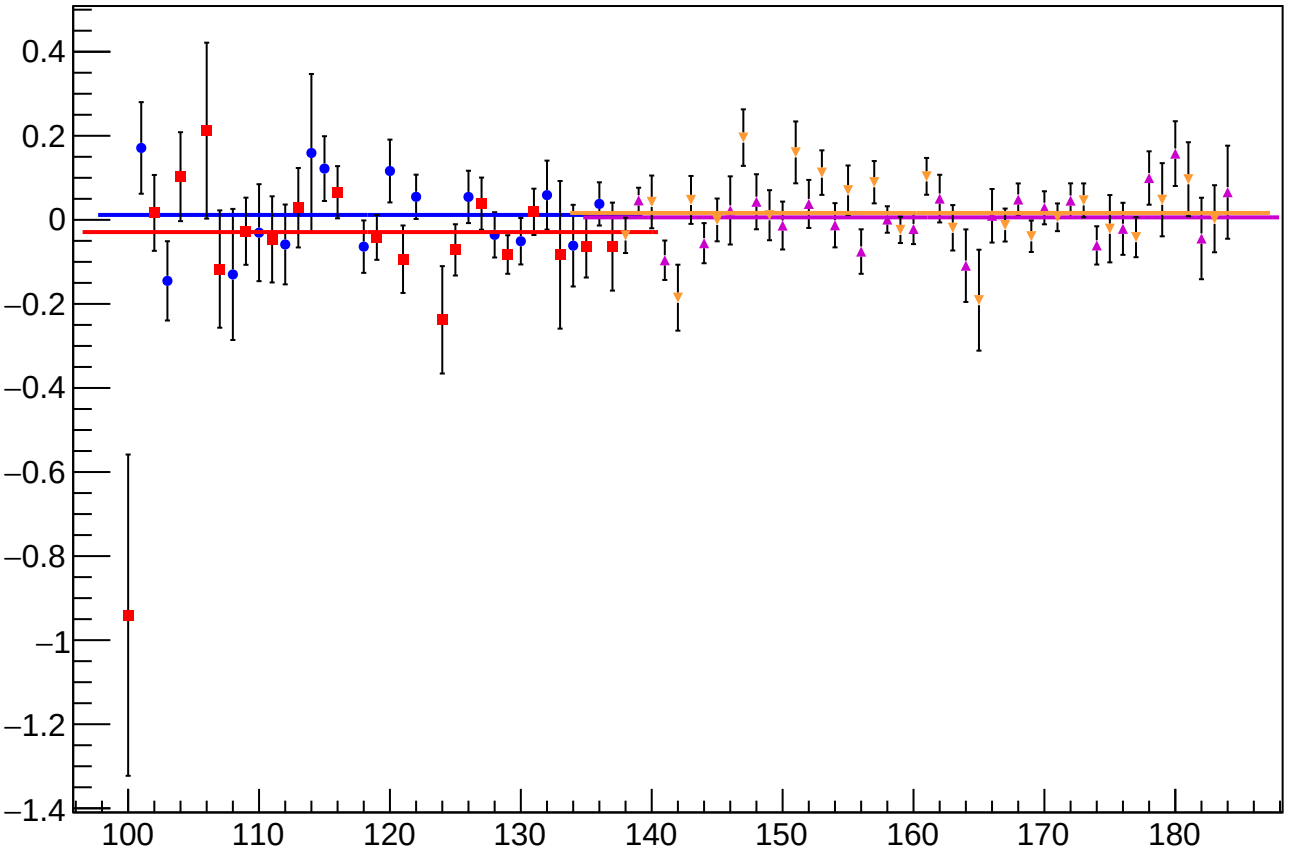
Left: 41.551+/-0.005 χ^2/NDF: 5836213.5/46

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.994+/-0.006 χ^2/NDF:4029997.1/38

Out: 42.716+/-0.006 χ^2/NDF:4901049.7/42

All: 42.354+/-0.004 χ^2/NDF: 8937524.8/81



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: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/46

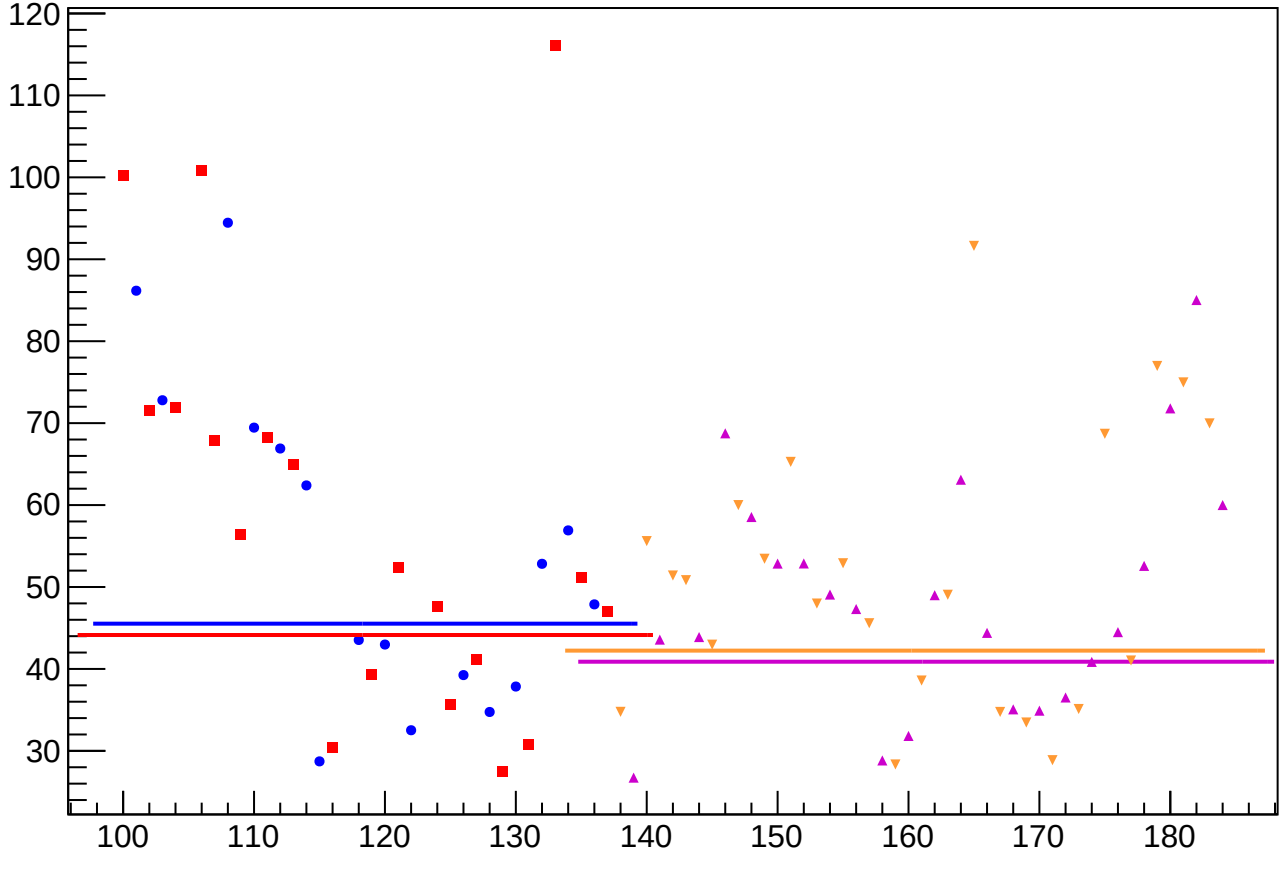
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:42.9/38

Out: 0.005+/-0.009 χ^2/NDF:65.5/42

All: 0.006+/-0.006 χ^2/NDF: 108.4/81

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: 40.881+/-0.007 χ^2/NDF:2678344.3/22

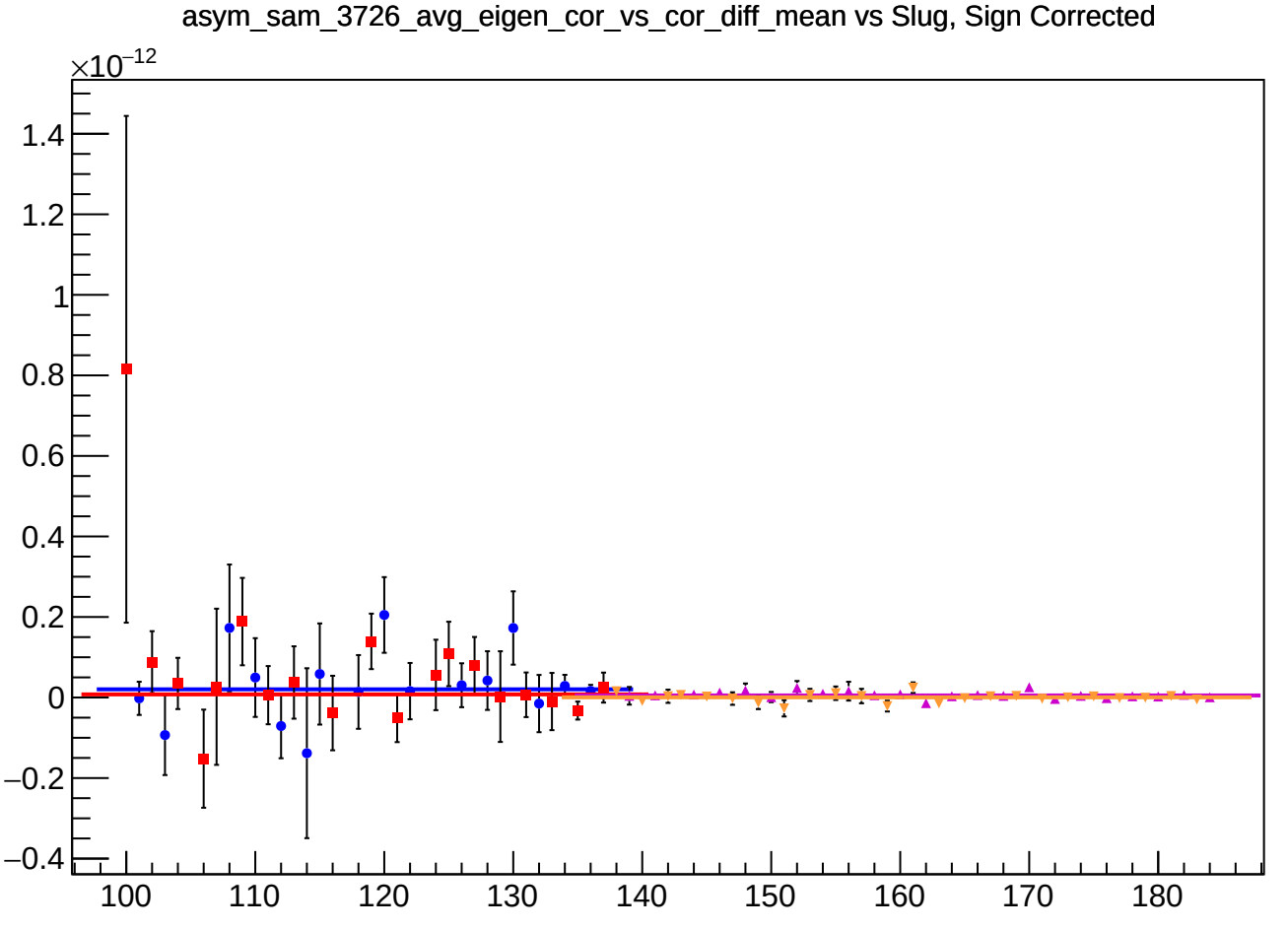
Left: 41.551+/-0.005 χ^2/NDF: 5836213.5/46

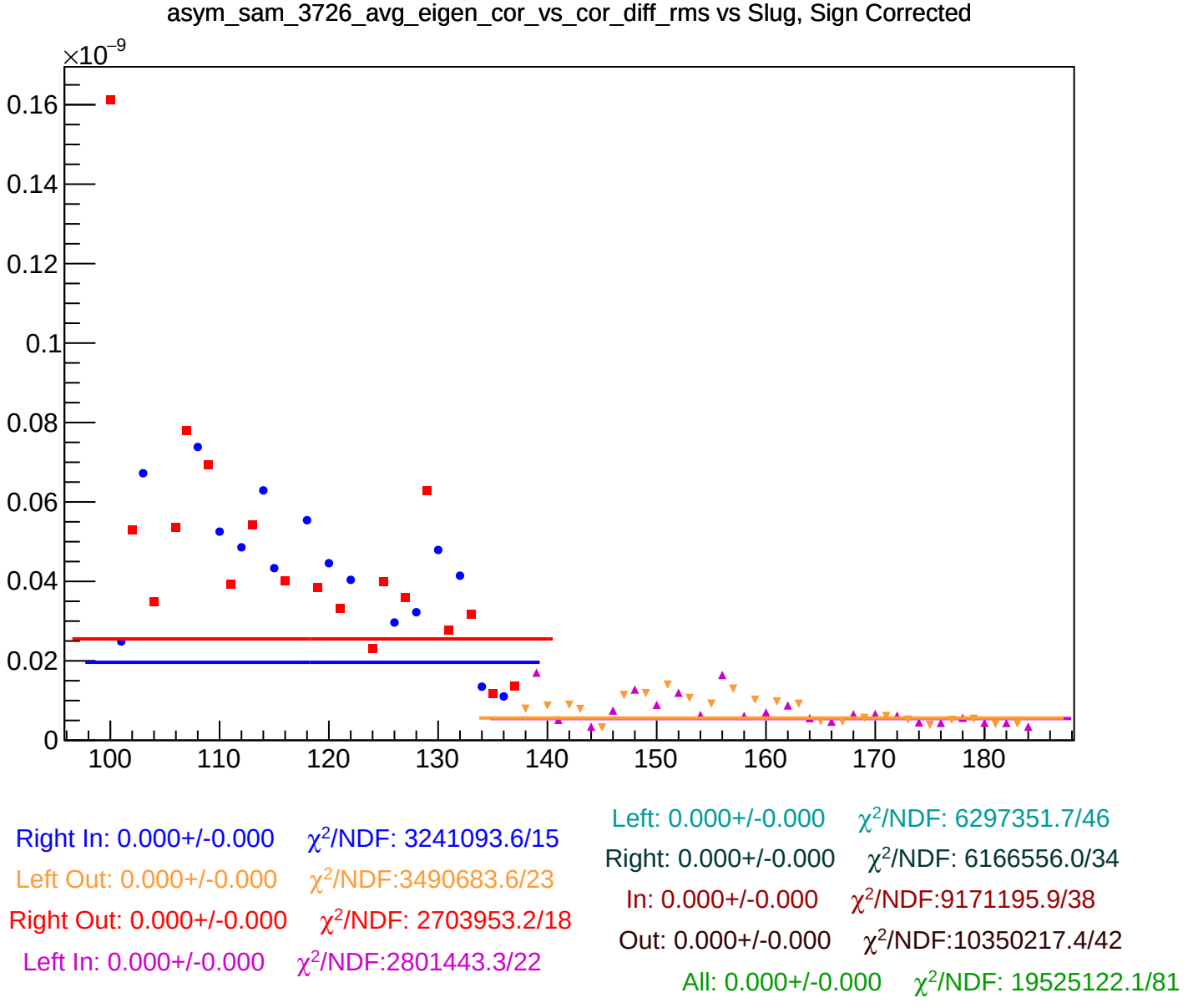
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

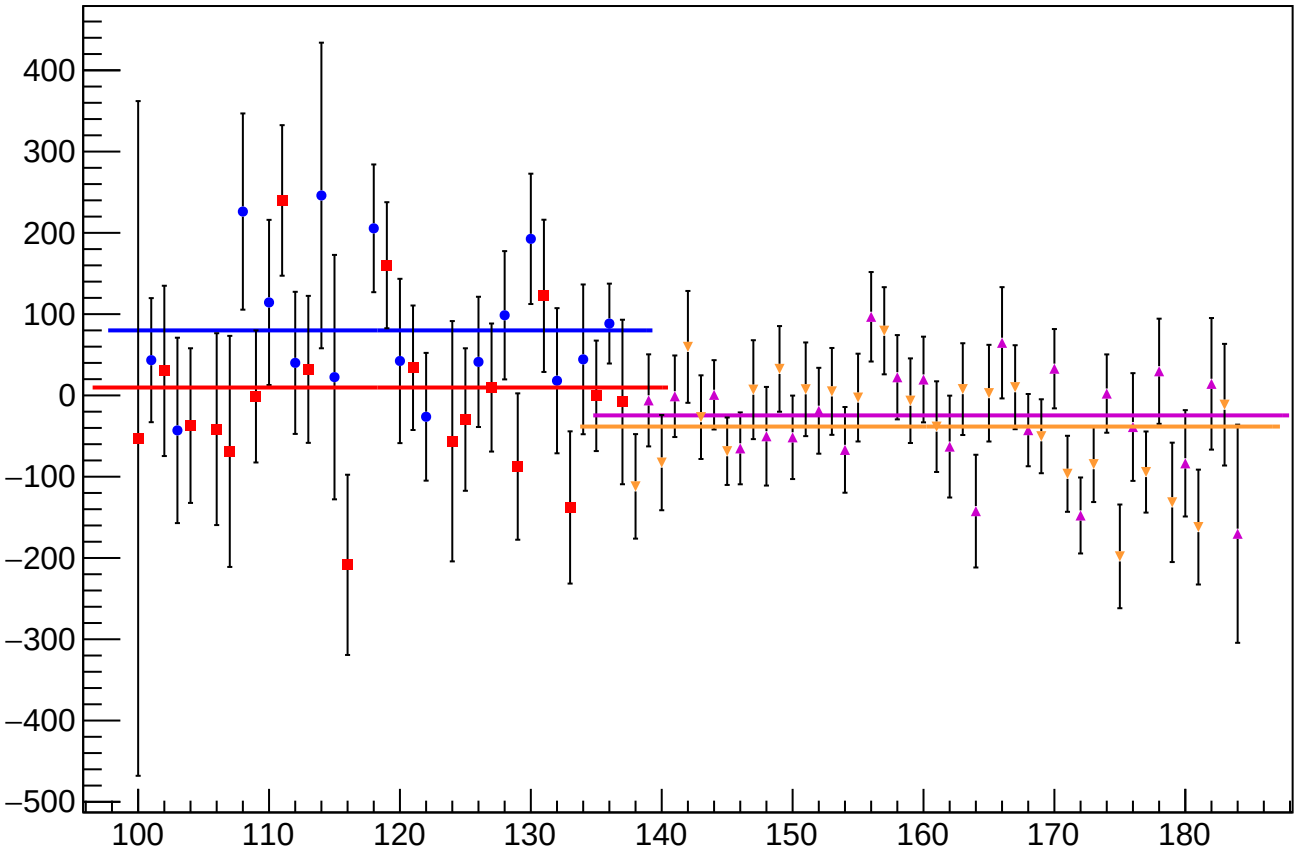
In: 41.994+/-0.006 χ^2/NDF:4029997.1/38

Out: 42.716+/-0.006 χ^2/NDF:4901049.7/42

All: 42.354+/-0.004 χ^2/NDF: 8937524.8/81


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:13.2/22
Left: 0.000+/-0.000 χ²/NDF: 31.7/46
Right: 0.000+/-0.000 χ²/NDF: 31.1/34
In: 0.000+/-0.000 χ²/NDF:26.8/38
Out: 0.000+/-0.000 χ²/NDF:34.3/42
All: 0.000+/-0.000 χ²/NDF: 64.9/81


asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3241093.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3490683.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 2703953.2/18
Left In: 0.000+/-0.000 χ²/NDF:2801443.3/22
Left: 0.000+/-0.000 χ²/NDF: 6297351.7/46
Right: 0.000+/-0.000 χ²/NDF: 6166556.0/34
In: 0.000+/-0.000 χ²/NDF:9171195.9/38
Out: 0.000+/-0.000 χ²/NDF:10350217.4/42
All: 0.000+/-0.000 χ²/NDF: 19525122.1/81



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: -24.572+/-11.471 χ^2/NDF:25.7/22

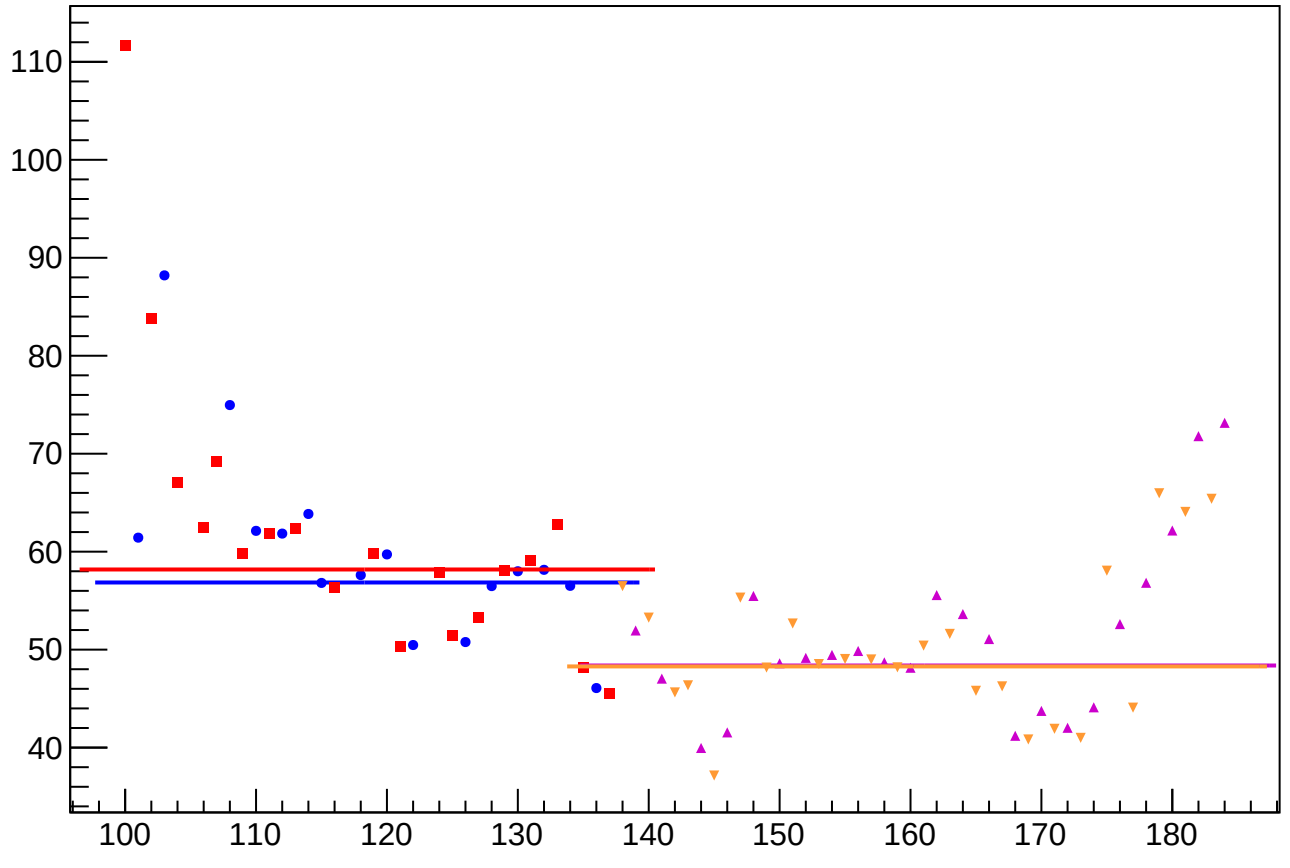
Left: -31.596+/-8.020 χ^2/NDF: 57.2/46

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: -1.359+/-10.118 χ^2/NDF:55.7/38

Out: -28.121+/-9.956 χ^2/NDF:55.0/42

All: -14.956+/-7.096 χ^2/NDF: 114.3/81



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: 48.381+/-0.008 χ^2/NDF:695381.8/22

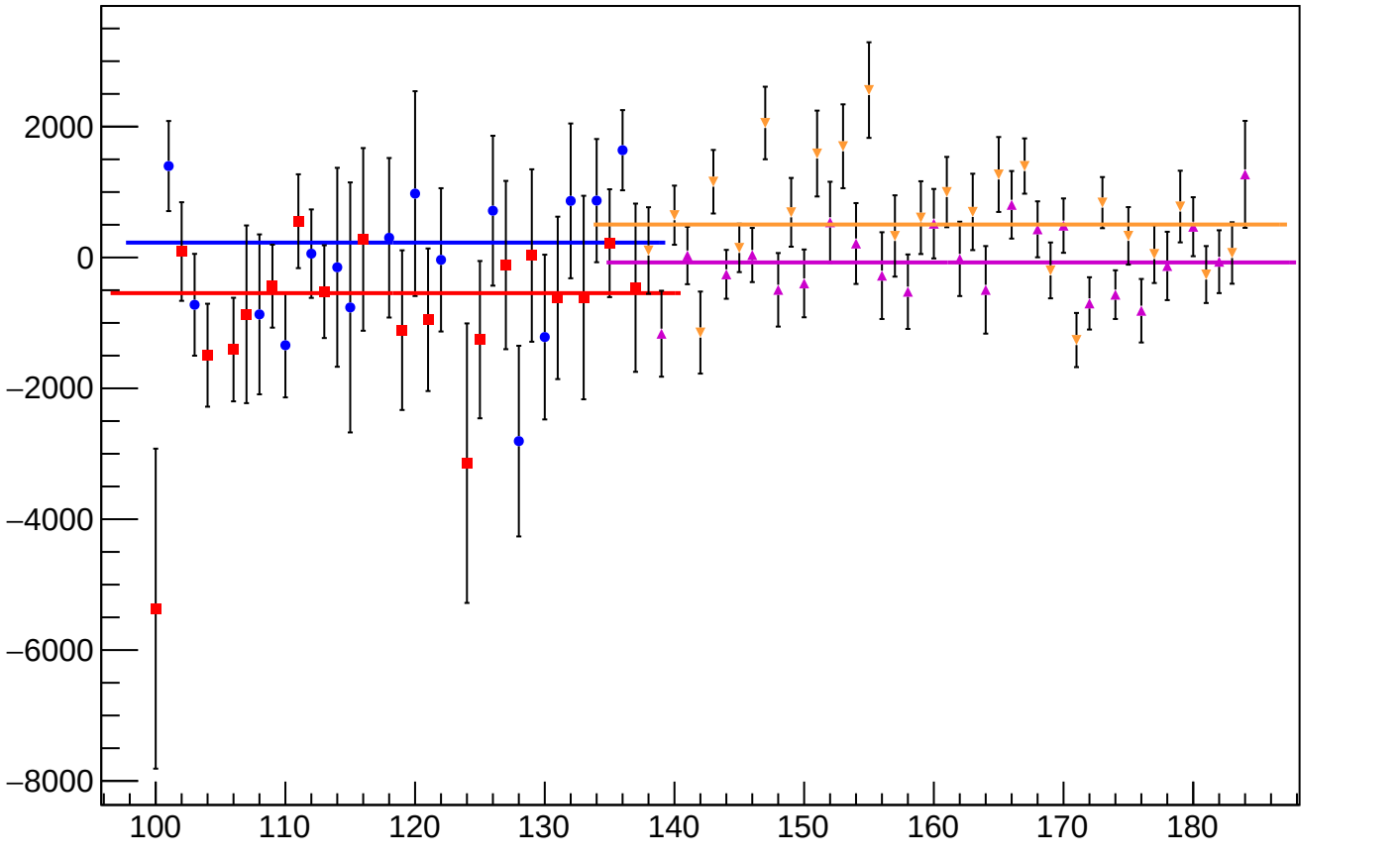
Left: 48.332+/-0.006 χ^2/NDF: 1468639.2/46

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 50.262+/-0.007 χ^2/NDF:1279260.3/38

Out: 50.385+/-0.007 χ^2/NDF:1418043.2/42

All: 50.324+/-0.005 χ^2/NDF: 2697454.0/81



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: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 218.505+/-72.365 χ^2/NDF: 107.1/46

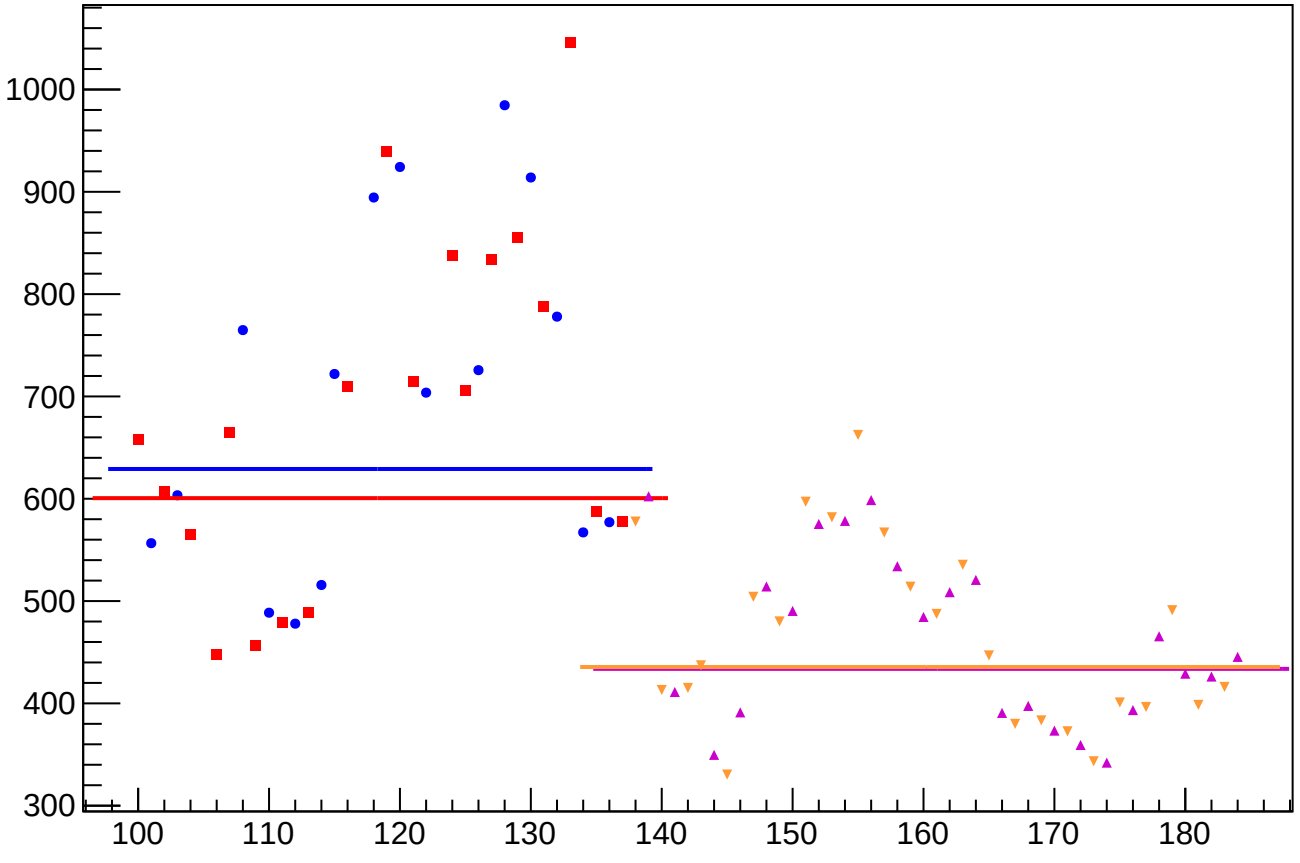
Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -28.814+/-94.826 χ^2/NDF:47.4/38

Out: 329.237+/-92.728 χ^2/NDF:97.7/42

All: 154.217+/-66.298 χ^2/NDF: 152.4/81

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



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: 433.722+/-0.073 χ^2/NDF:1094788.8/22

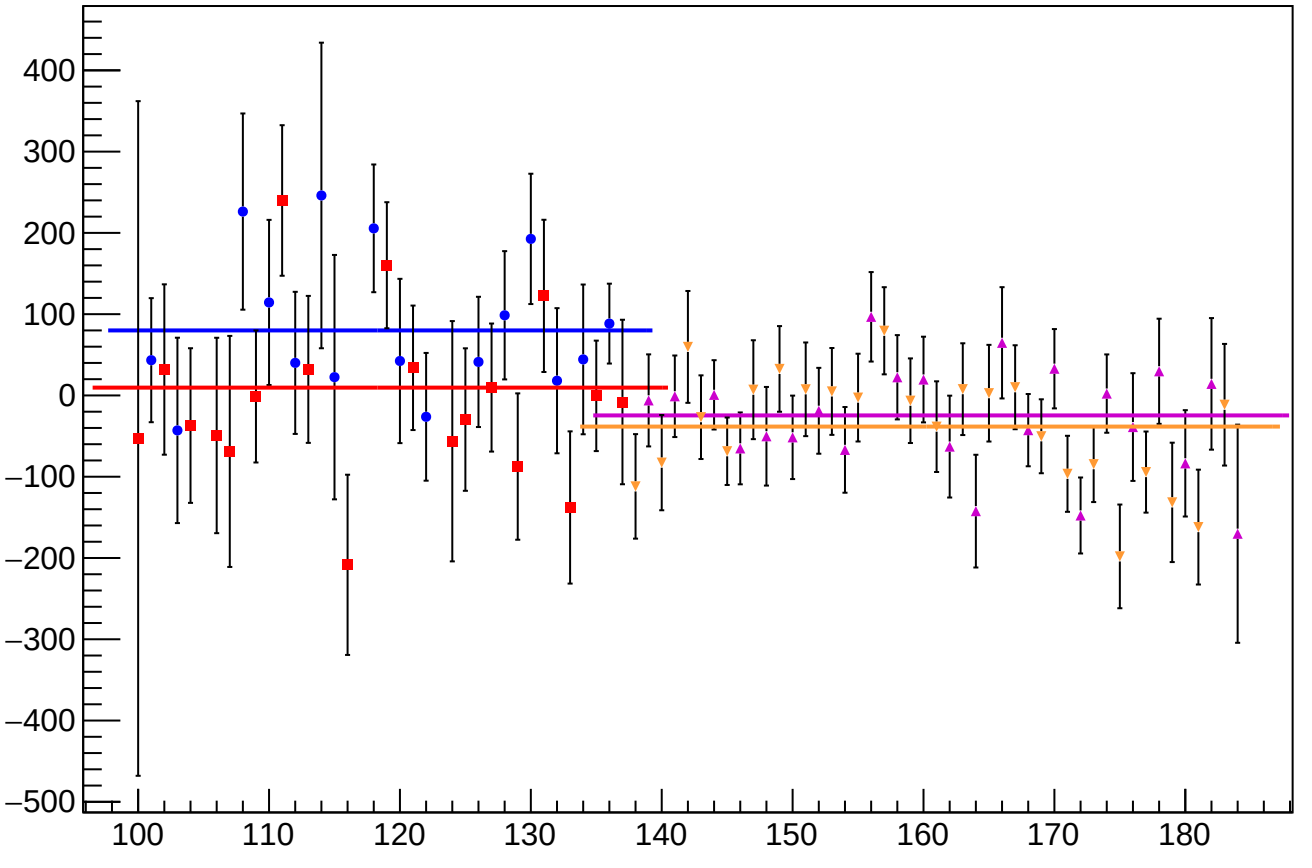
Left: 434.642+/-0.051 χ^2/NDF: 2314853.2/46

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 463.913+/-0.067 χ^2/NDF:2896733.5/38

Out: 463.018+/-0.066 χ^2/NDF:2973852.1/42

All: 463.455+/-0.047 χ^2/NDF: 5870676.6/81



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: -24.573+/-11.471 χ^2/NDF:25.7/22

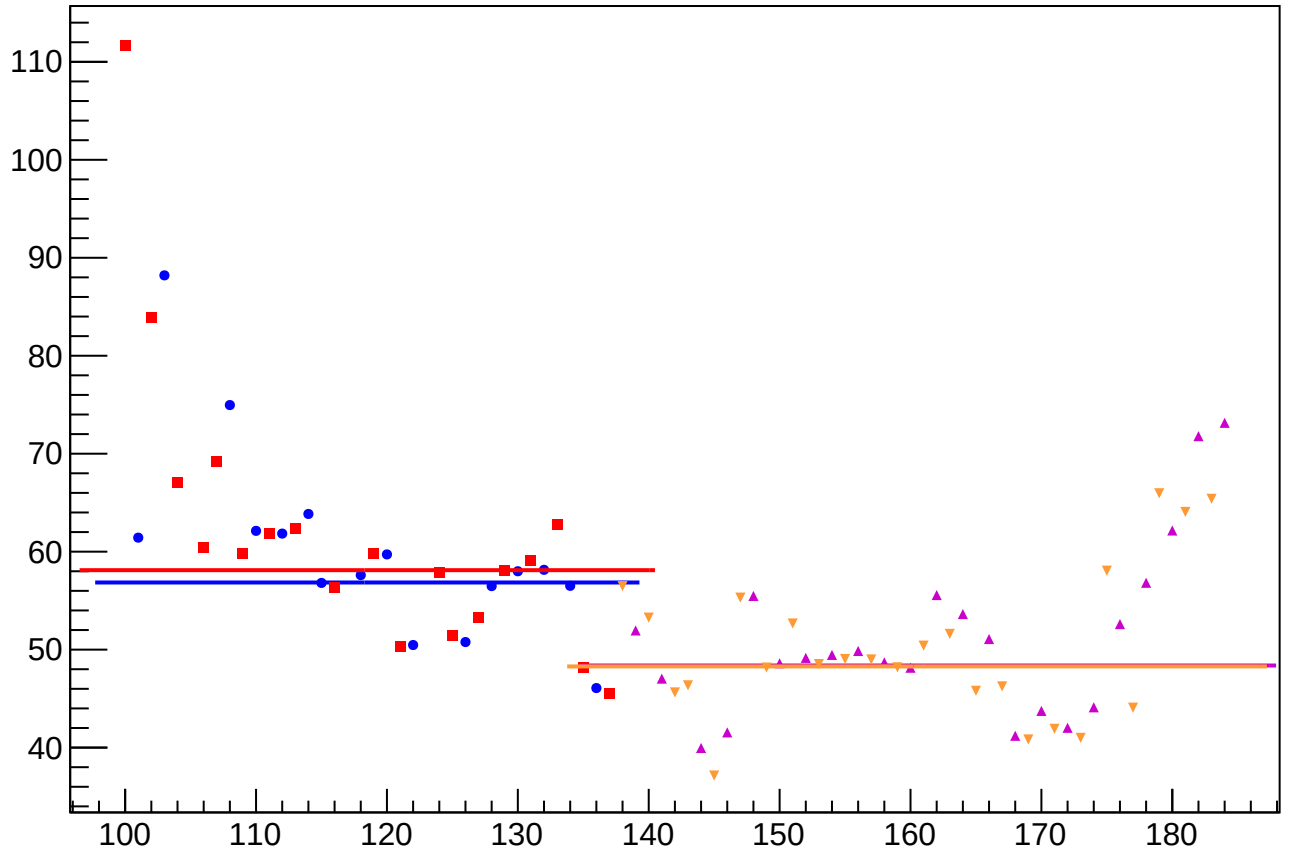
Left: -31.598+/-8.020 χ^2/NDF: 57.2/46

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: -1.359+/-10.118 χ^2/NDF:55.7/38

Out: -28.158+/-9.957 χ^2/NDF:55.0/42

All: -14.973+/-7.097 χ^2/NDF: 114.3/81



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: 48.381+/-0.008 χ^2/NDF:695381.8/22

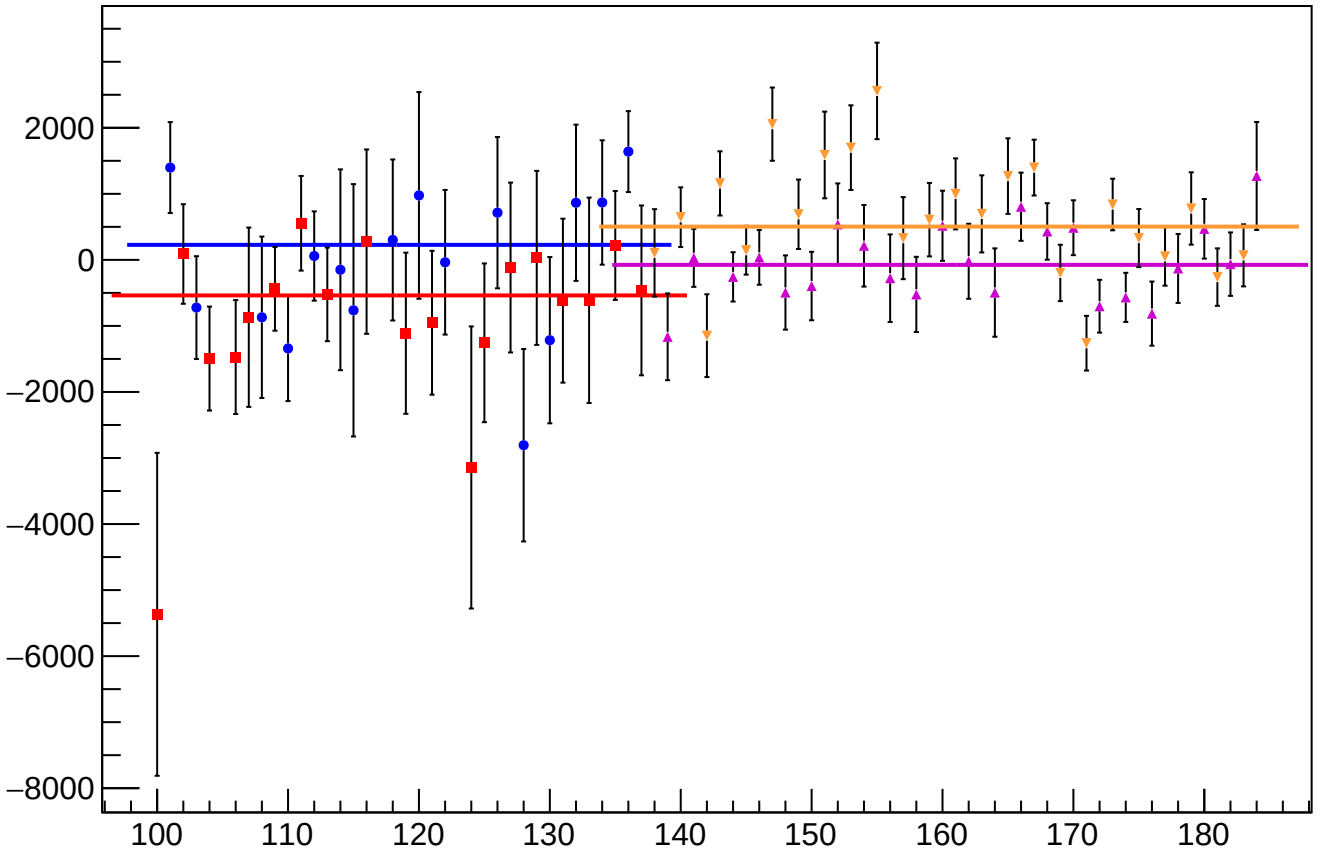
Left: 48.332+/-0.006 χ^2/NDF: 1468639.3/46

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.262+/-0.007 χ^2/NDF:1279264.4/38

Out: 50.368+/-0.007 χ^2/NDF:1411296.0/42

All: 50.316+/-0.005 χ^2/NDF: 2690672.0/81



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: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 218.502+/-72.365 χ^2/NDF: 107.1/46

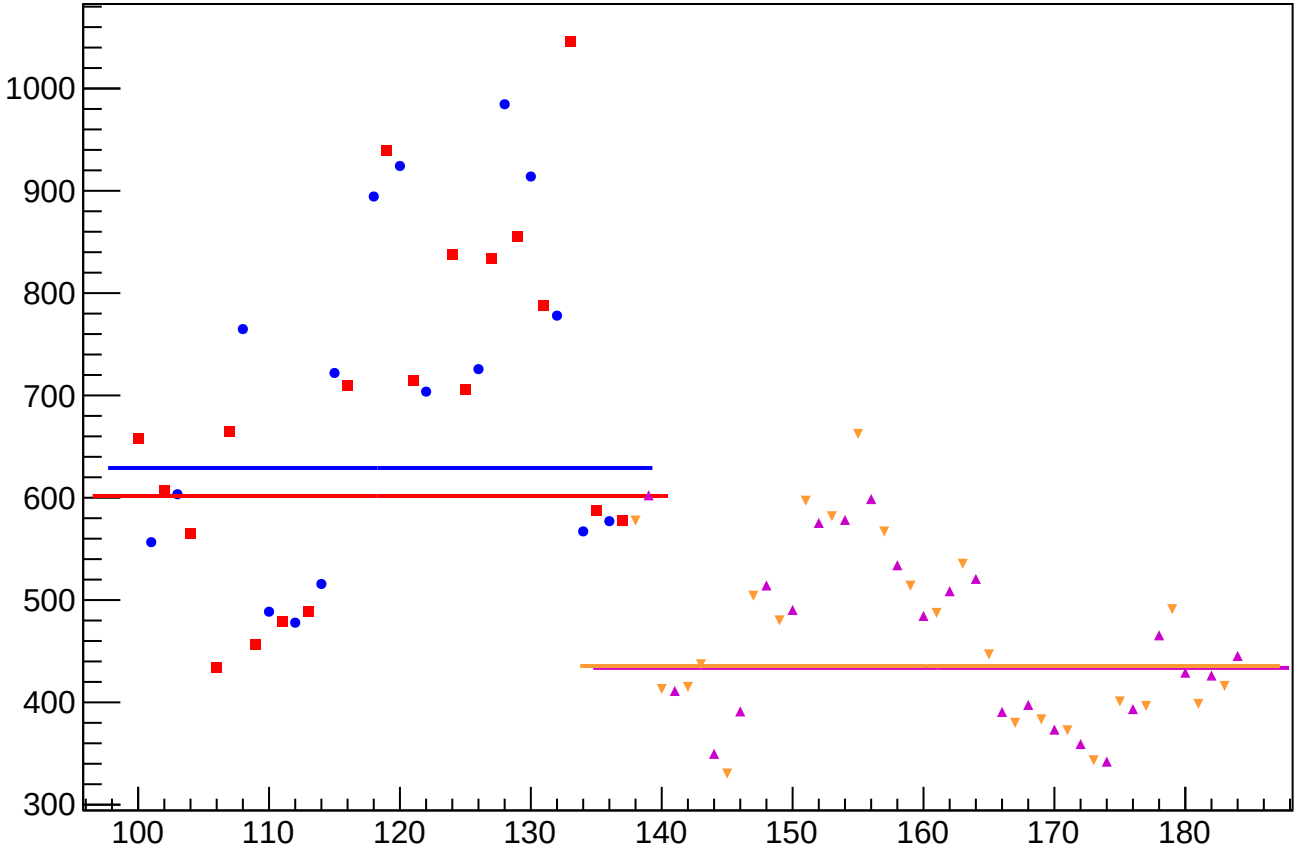
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -28.811+/-94.826 χ^2/NDF:47.4/38

Out: 332.251+/-92.830 χ^2/NDF:97.2/42

All: 155.561+/-66.335 χ^2/NDF: 152.1/81

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: 433.722+/-0.073 χ^2/NDF:1094788.4/22

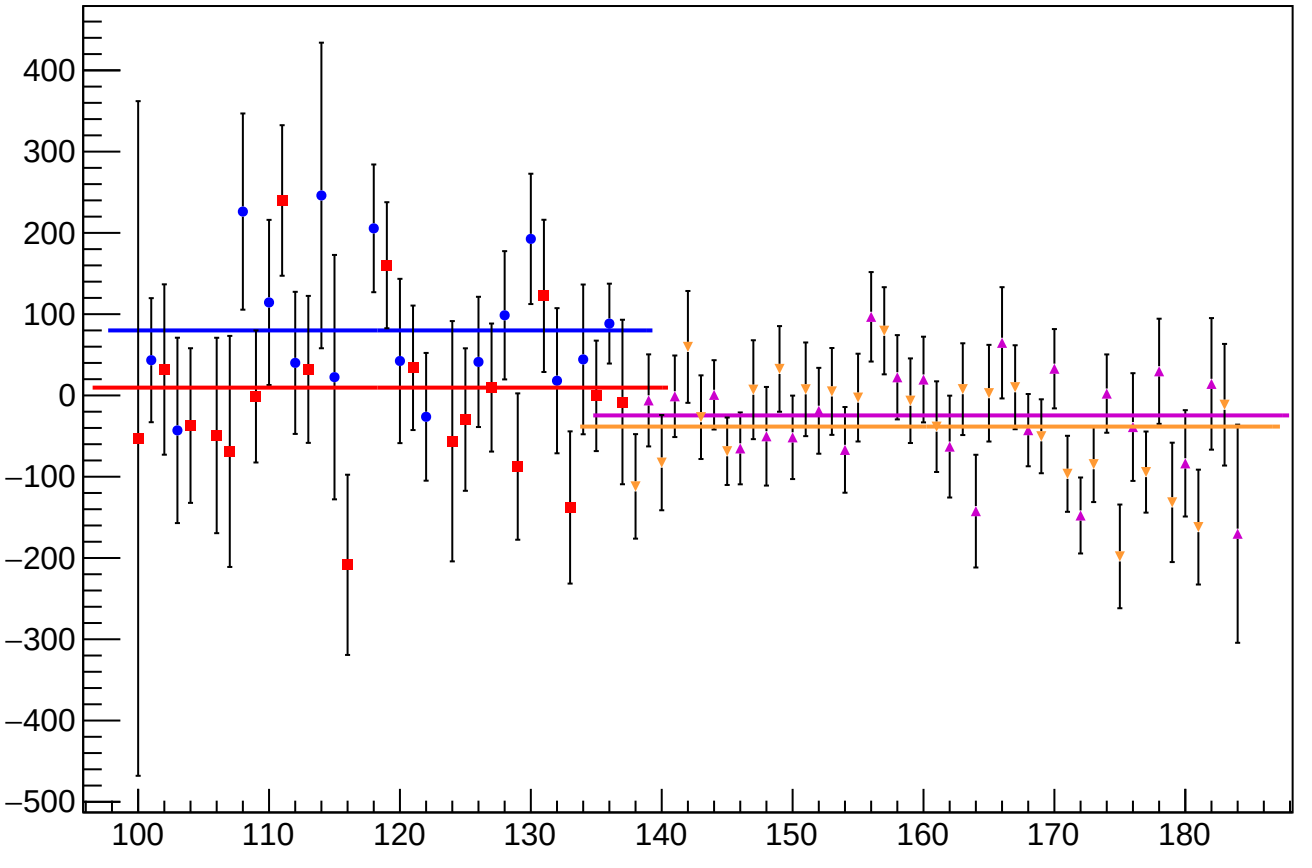
Left: 434.642+/-0.051 χ^2/NDF: 2314851.9/46

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 463.913+/-0.067 χ^2/NDF:2896763.7/38

Out: 462.901+/-0.066 χ^2/NDF:2975526.5/42

All: 463.396+/-0.047 χ^2/NDF: 5872406.5/81



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: -24.573+/-11.471 χ^2/NDF:25.7/22

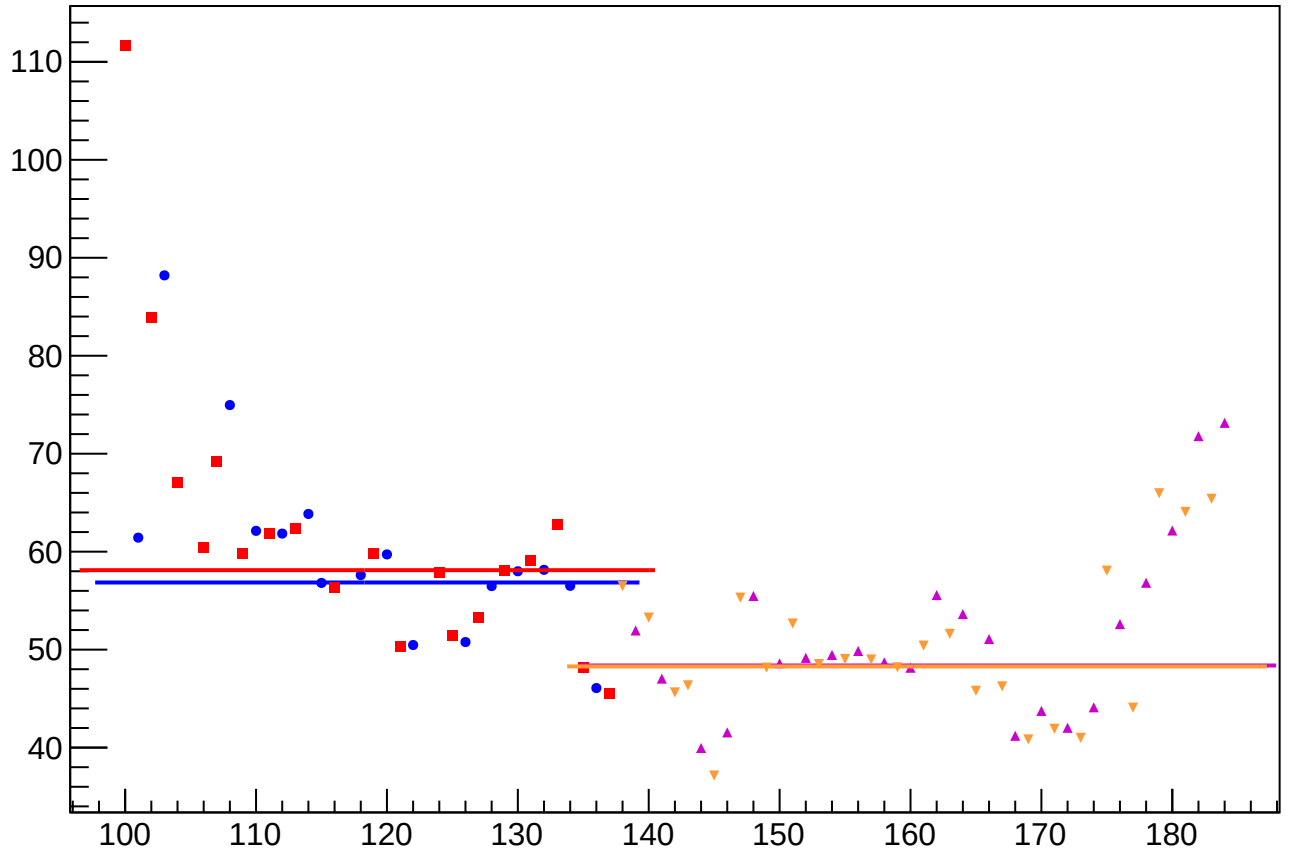
Left: -31.598+/-8.020 χ^2/NDF: 57.2/46

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: -1.359+/-10.118 χ^2/NDF:55.7/38

Out: -28.158+/-9.957 χ^2/NDF:55.0/42

All: -14.973+/-7.097 χ^2/NDF: 114.3/81



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: 48.381+/-0.008 χ^2/NDF:695381.8/22

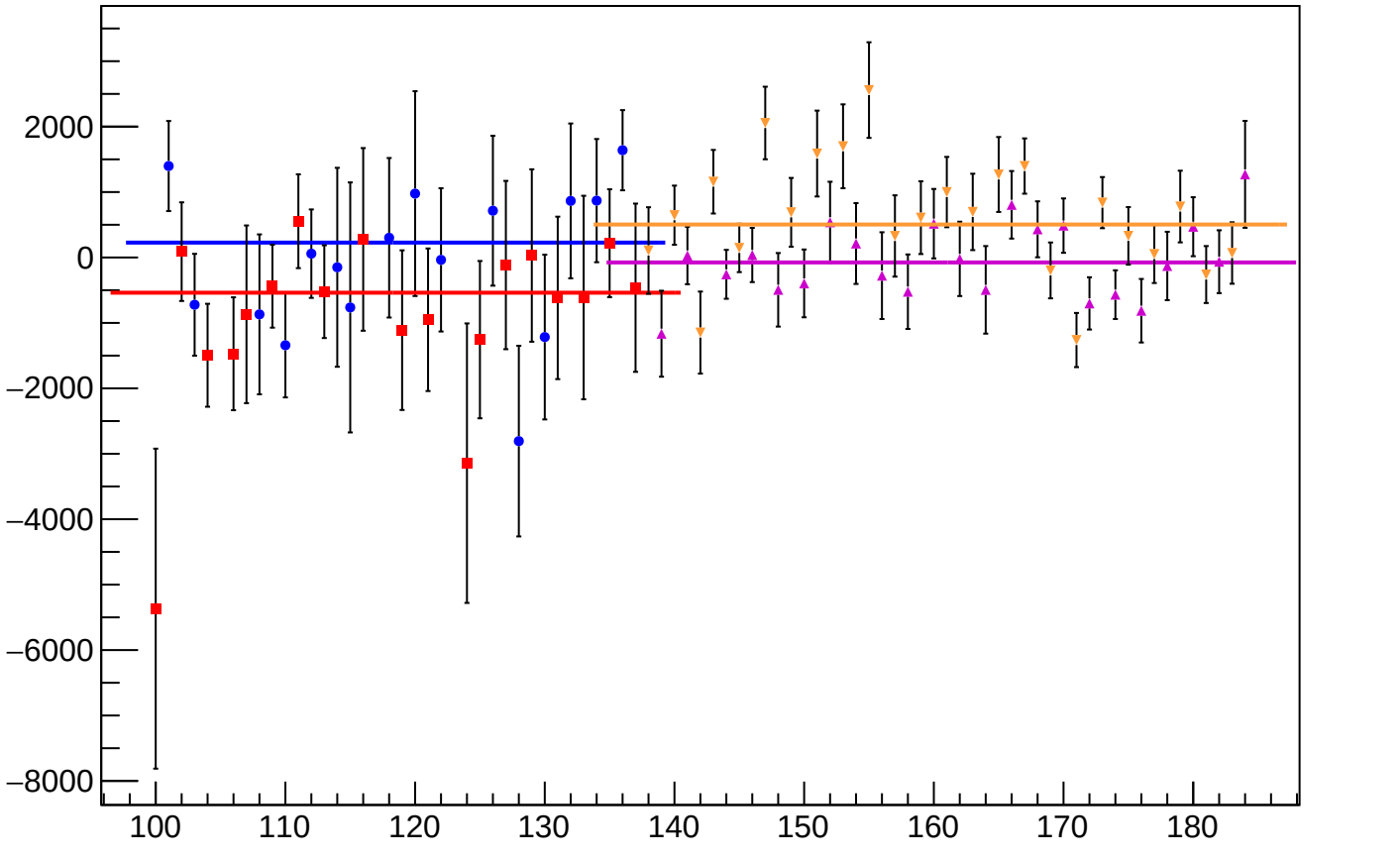
Left: 48.332+/-0.006 χ^2/NDF: 1468639.3/46

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.262+/-0.007 χ^2/NDF:1279264.4/38

Out: 50.368+/-0.007 χ^2/NDF:1411296.0/42

All: 50.316+/-0.005 χ^2/NDF: 2690672.0/81



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: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 218.502+/-72.365 χ^2/NDF: 107.1/46

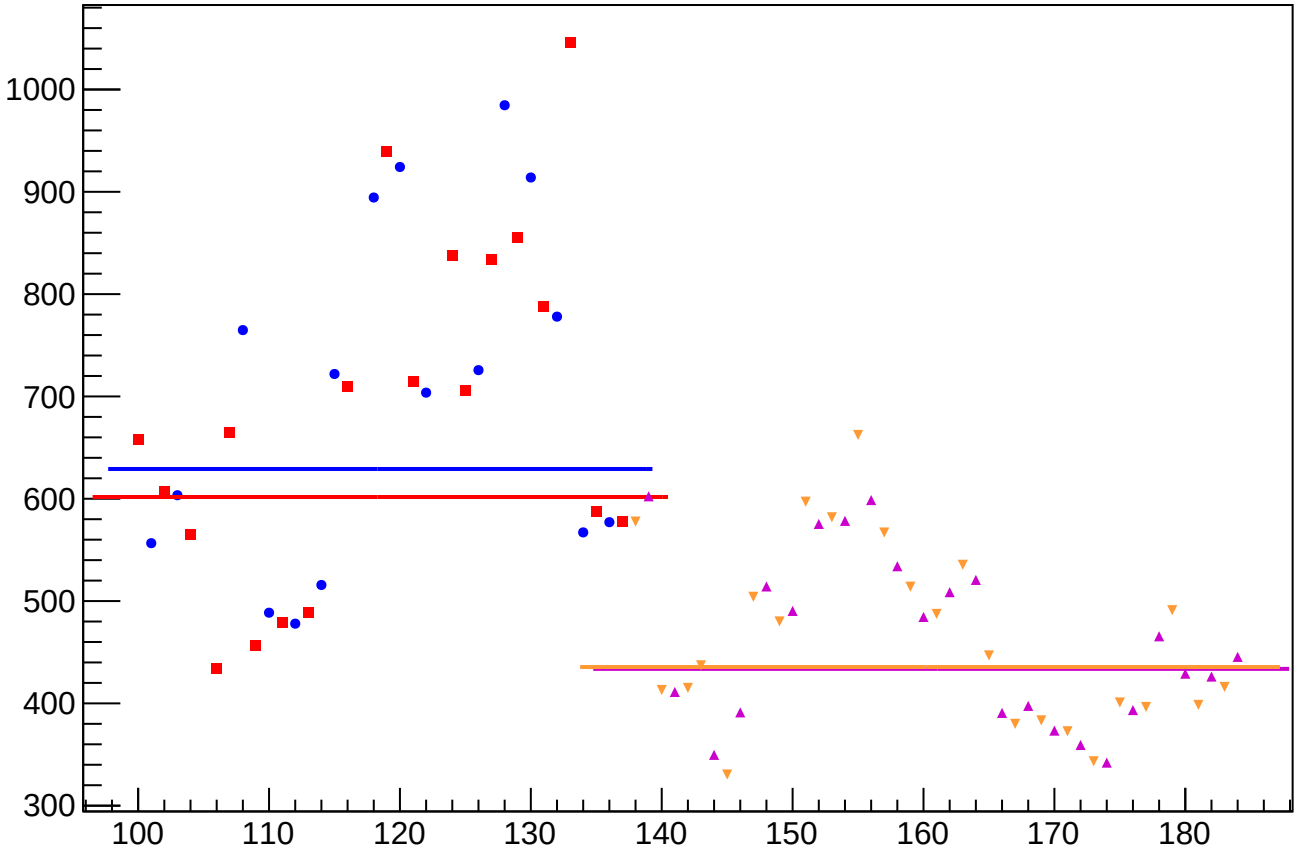
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -28.811+/-94.826 χ^2/NDF:47.4/38

Out: 332.251+/-92.830 χ^2/NDF:97.2/42

All: 155.561+/-66.335 χ^2/NDF: 152.1/81

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: 433.722+/-0.073 χ^2/NDF:1094788.4/22

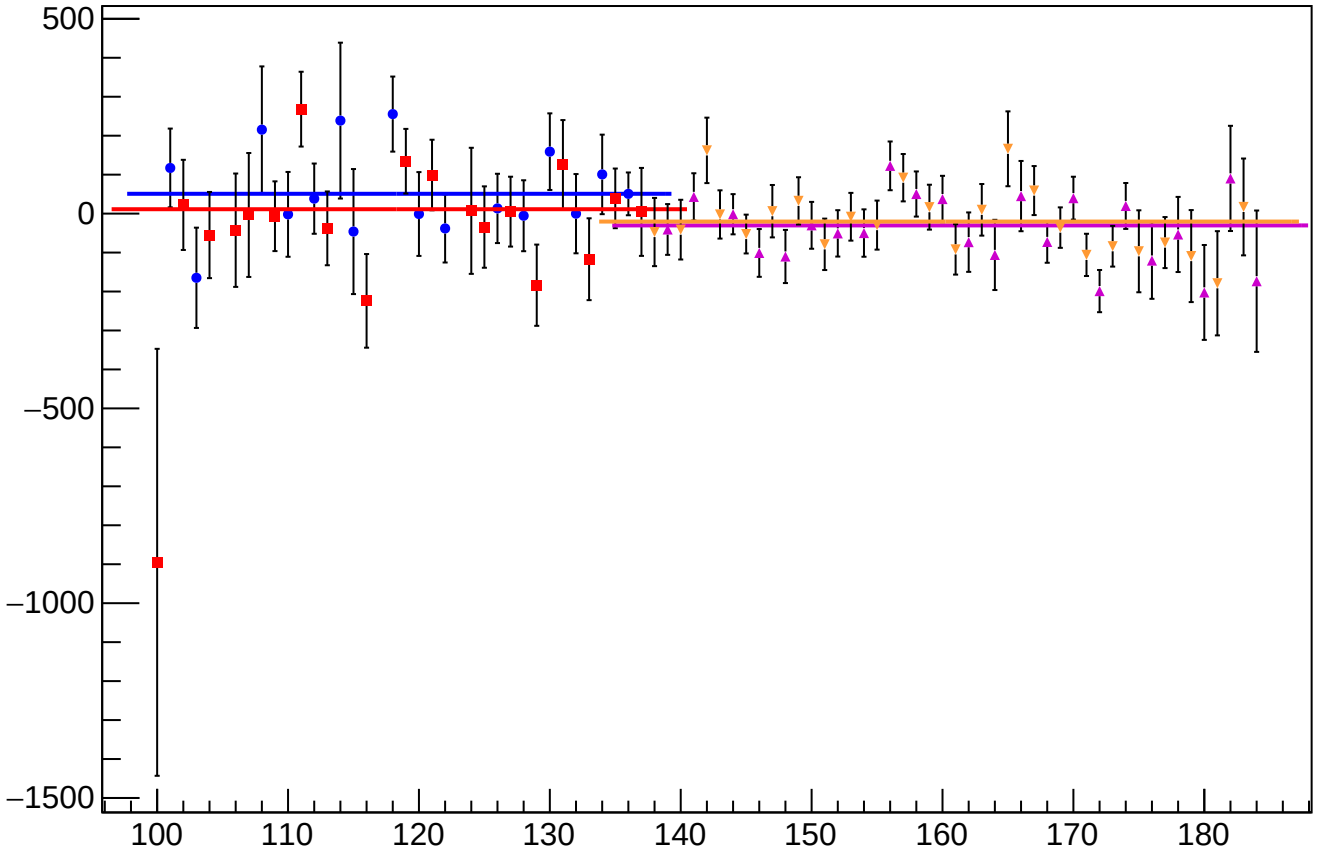
Left: 434.642+/-0.051 χ^2/NDF: 2314851.9/46

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 463.913+/-0.067 χ^2/NDF:2896763.7/38

Out: 462.901+/-0.066 χ^2/NDF:2975526.5/42

All: 463.396+/-0.047 χ^2/NDF: 5872406.5/81



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: -30.318+/-13.979 χ^2/NDF:32.6/22

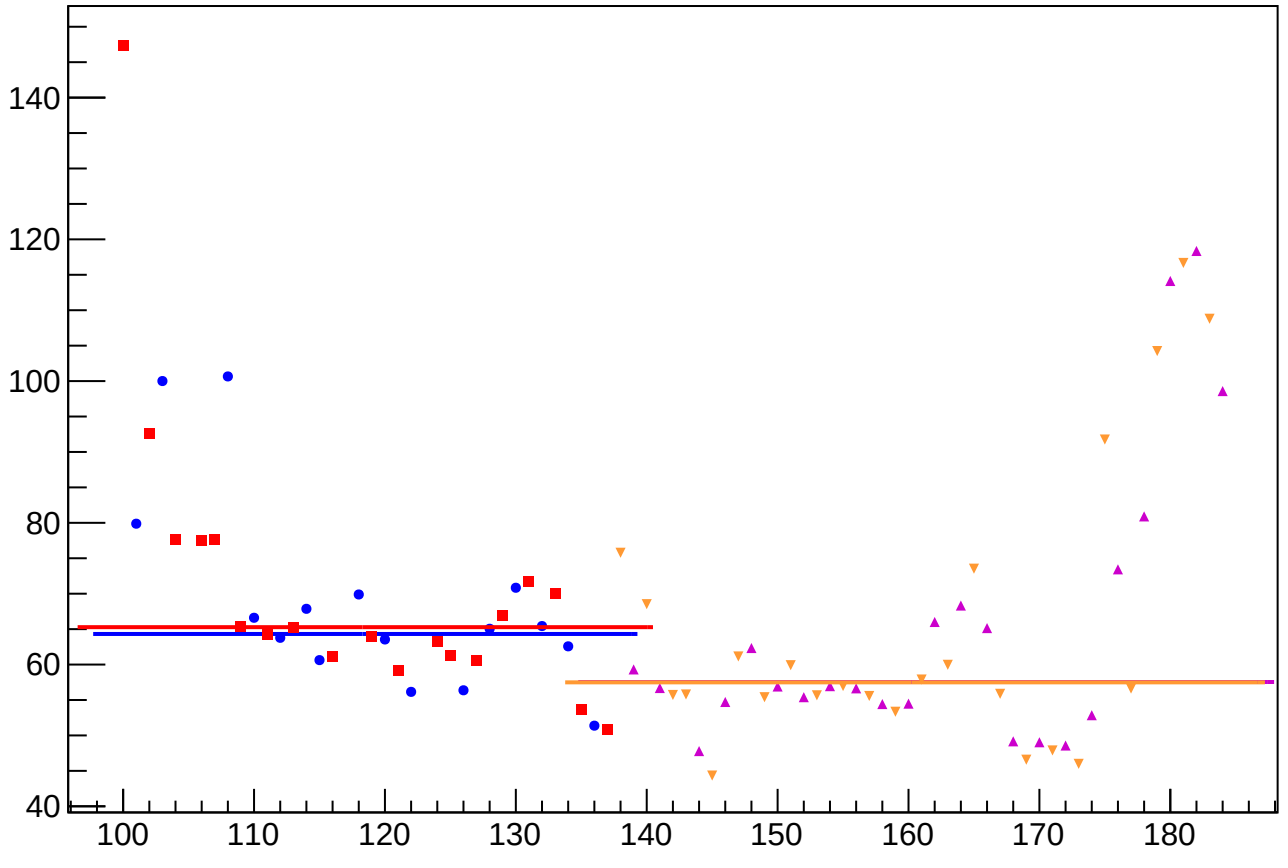
Left: -25.259+/-9.779 χ^2/NDF: 58.0/46

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: -10.372+/-12.141 χ^2/NDF:54.7/38

Out: -12.797+/-11.927 χ^2/NDF:50.4/42

All: -11.606+/-8.508 χ^2/NDF: 105.1/81



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: 57.539+/-0.010 χ^2/NDF:1443279.4/22

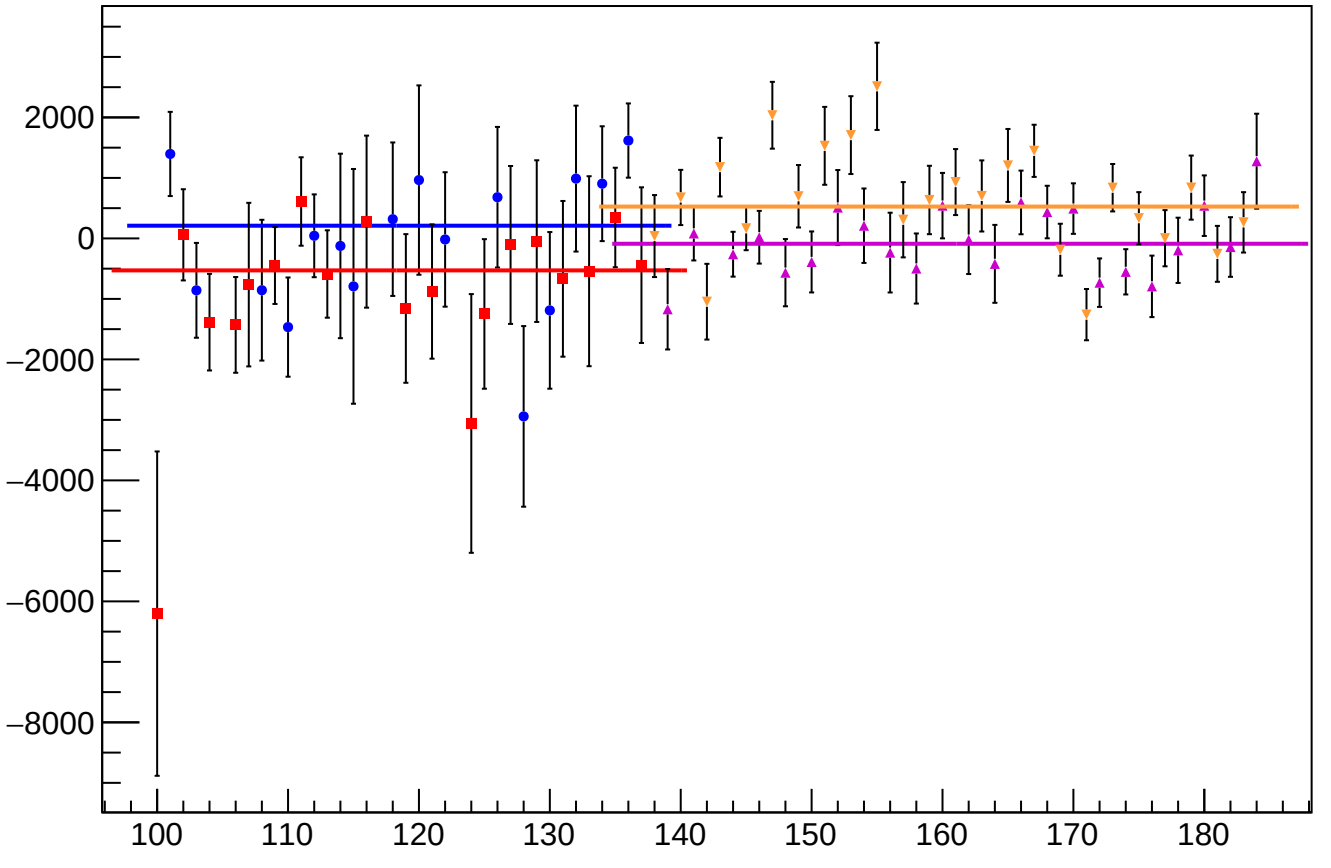
Left: 57.514+/-0.007 χ^2/NDF: 3305037.8/46

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 59.205+/-0.009 χ^2/NDF:2023750.6/38

Out: 59.362+/-0.008 χ^2/NDF:2336577.5/42

All: 59.285+/-0.006 χ^2/NDF: 4360500.0/81



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: -88.471+/-104.542 χ^2/NDF:23.3/22

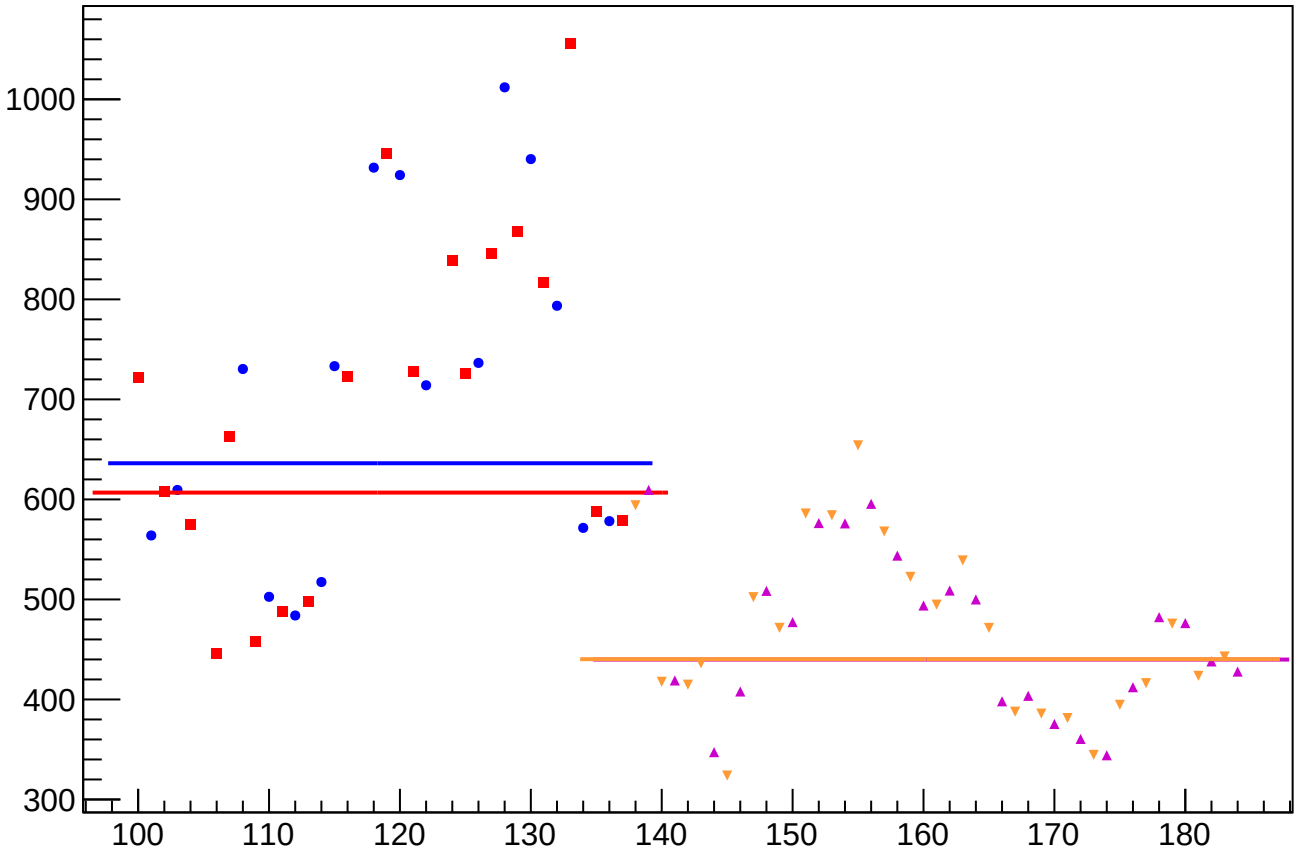
Left: 224.821+/-73.201 χ^2/NDF: 104.4/46

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -42.112+/-96.081 χ^2/NDF:47.0/38

Out: 350.899+/-93.627 χ^2/NDF:94.9/42

All: 159.477+/-67.055 χ^2/NDF: 150.5/81



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: 439.877+/-0.074 χ^2/NDF:1061910.1/22

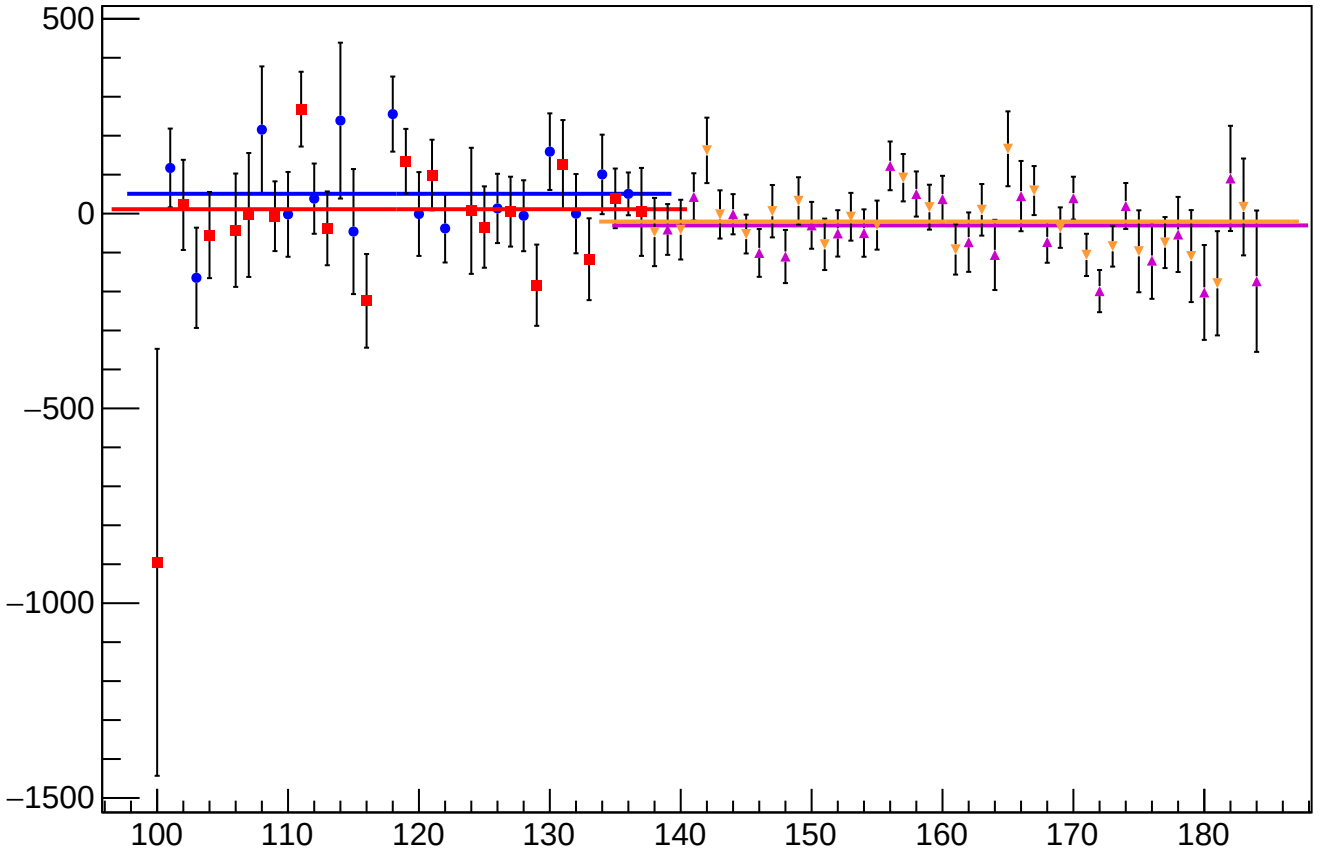
Left: 440.076+/-0.052 χ^2/NDF: 2258428.6/46

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 470.360+/-0.068 χ^2/NDF:2862013.4/38

Out: 467.942+/-0.066 χ^2/NDF:2967130.9/42

All: 469.120+/-0.047 χ^2/NDF: 5829794.4/81



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: -30.318+/-13.979 χ^2/NDF:32.6/22

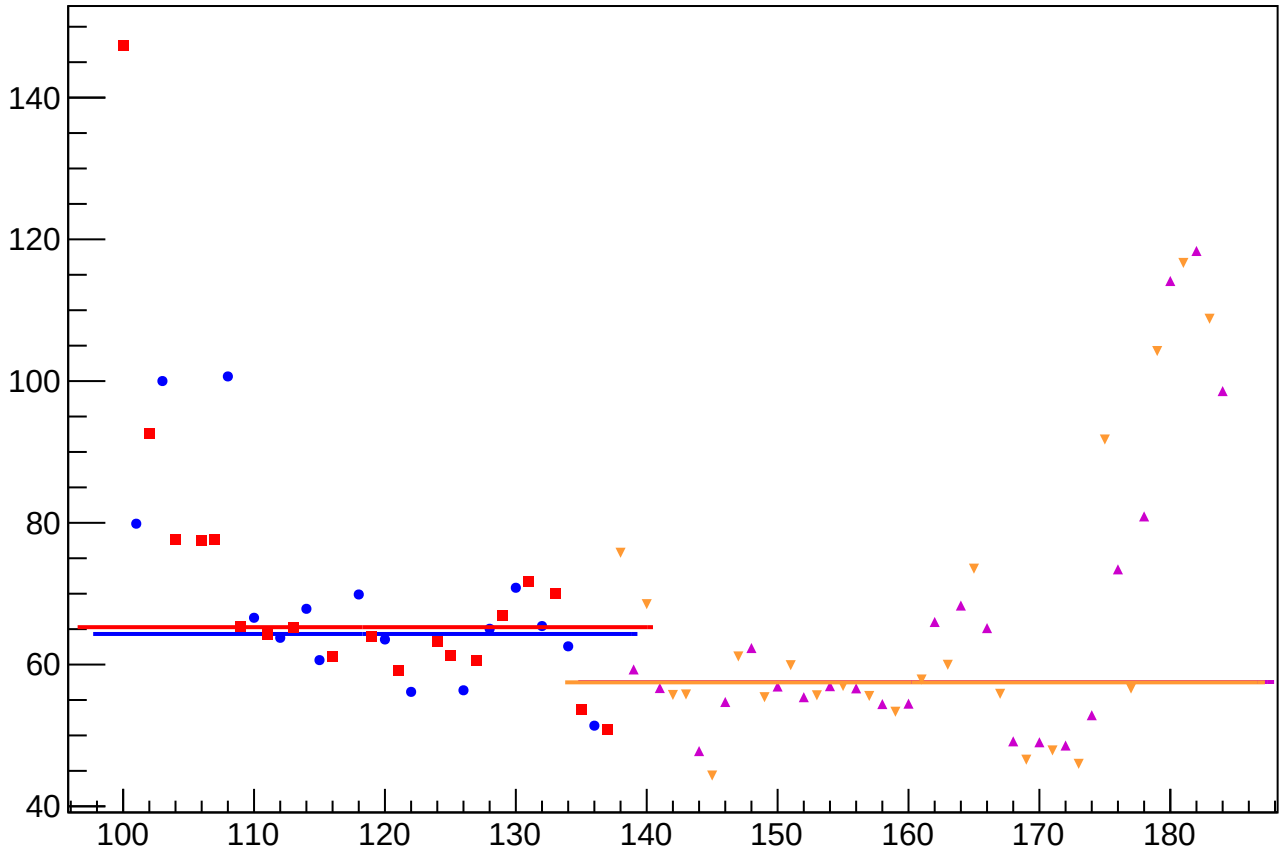
Left: -25.260+/-9.779 χ^2/NDF: 58.0/46

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: -10.372+/-12.141 χ^2/NDF:54.7/38

Out: -12.798+/-11.927 χ^2/NDF:50.4/42

All: -11.606+/-8.508 χ^2/NDF: 105.1/81



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: 57.539+/-0.010 χ^2/NDF:1443262.3/22

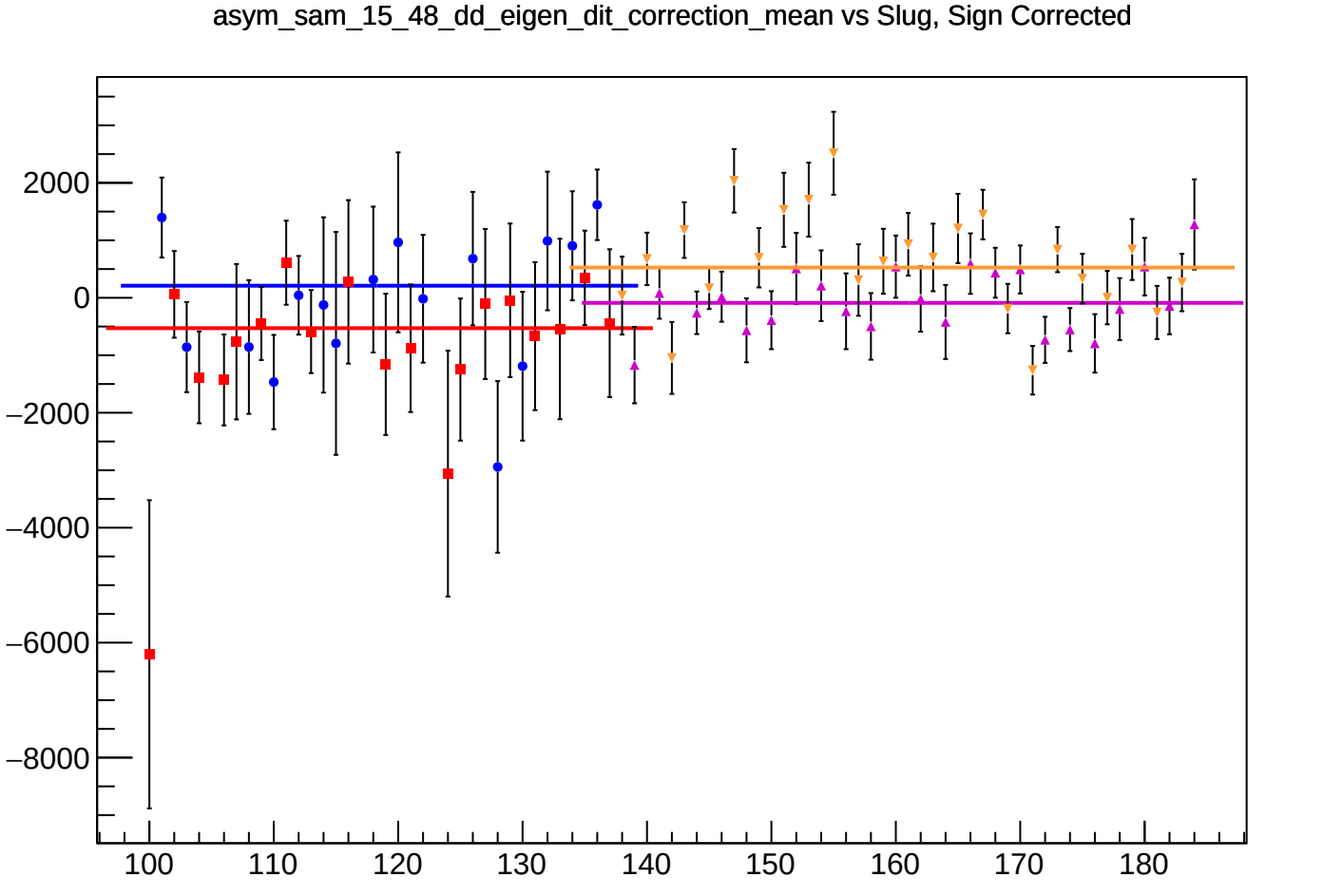
Left: 57.514+/-0.007 χ^2/NDF: 3305020.3/46

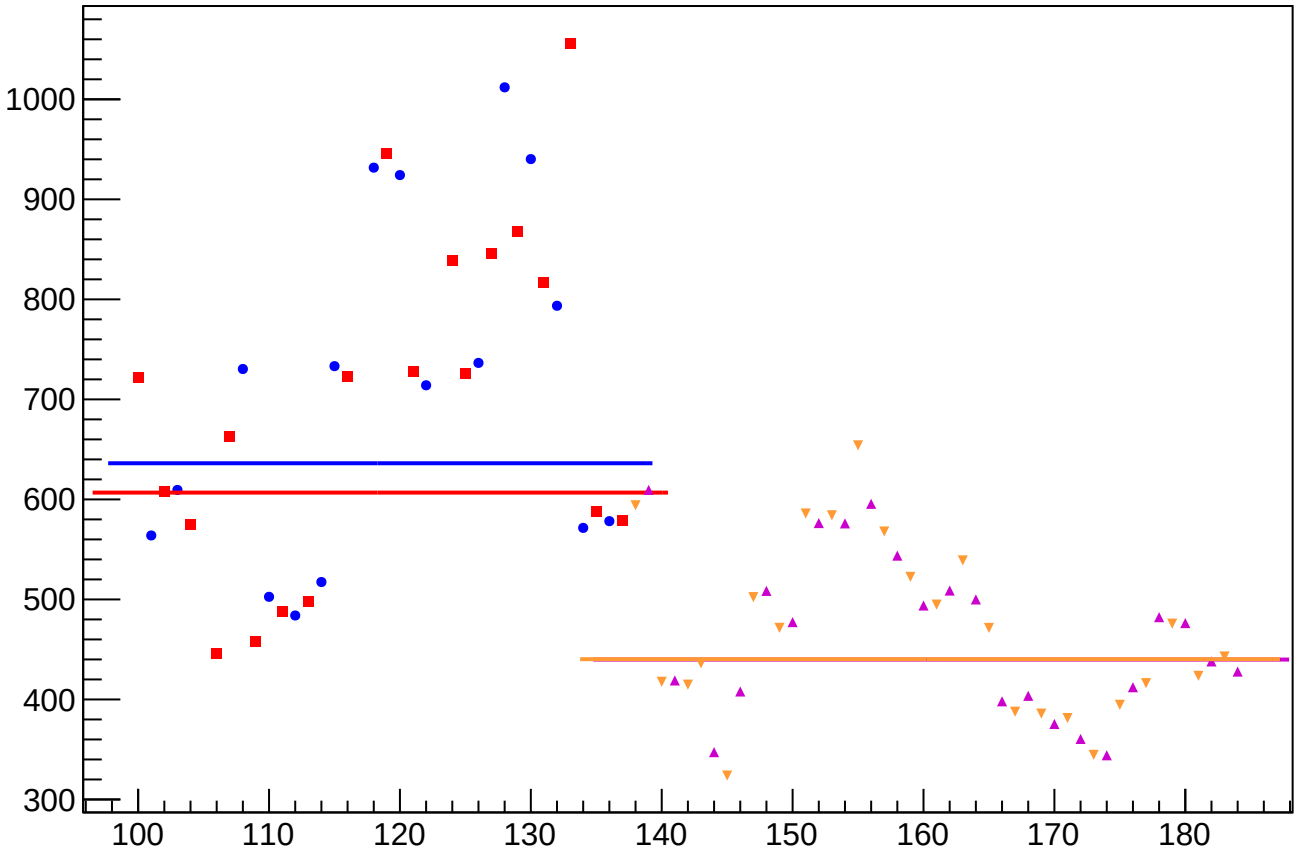
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 59.205+/-0.009 χ^2/NDF:2023727.0/38

Out: 59.363+/-0.008 χ^2/NDF:2336570.4/42

All: 59.285+/-0.006 χ^2/NDF: 4360469.4/81


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: 210.017+/-243.798 χ²/NDF: 22.4/15
Left Out: 526.188+/-102.532 χ²/NDF:63.5/23
Right Out: -528.674+/-229.678 χ²/NDF: 13.8/18
Left In: -88.471+/-104.541 χ²/NDF:23.3/22
Left: 224.820+/-73.201 χ²/NDF: 104.4/46
Right: -181.337+/-167.176 χ²/NDF: 41.1/34
In: -42.112+/-96.080 χ²/NDF:47.0/38
Out: 350.899+/-93.627 χ²/NDF:94.9/42
All: 159.476+/-67.055 χ²/NDF: 150.5/81



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: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 440.075+/-0.052 χ^2/NDF: 2258442.9/46

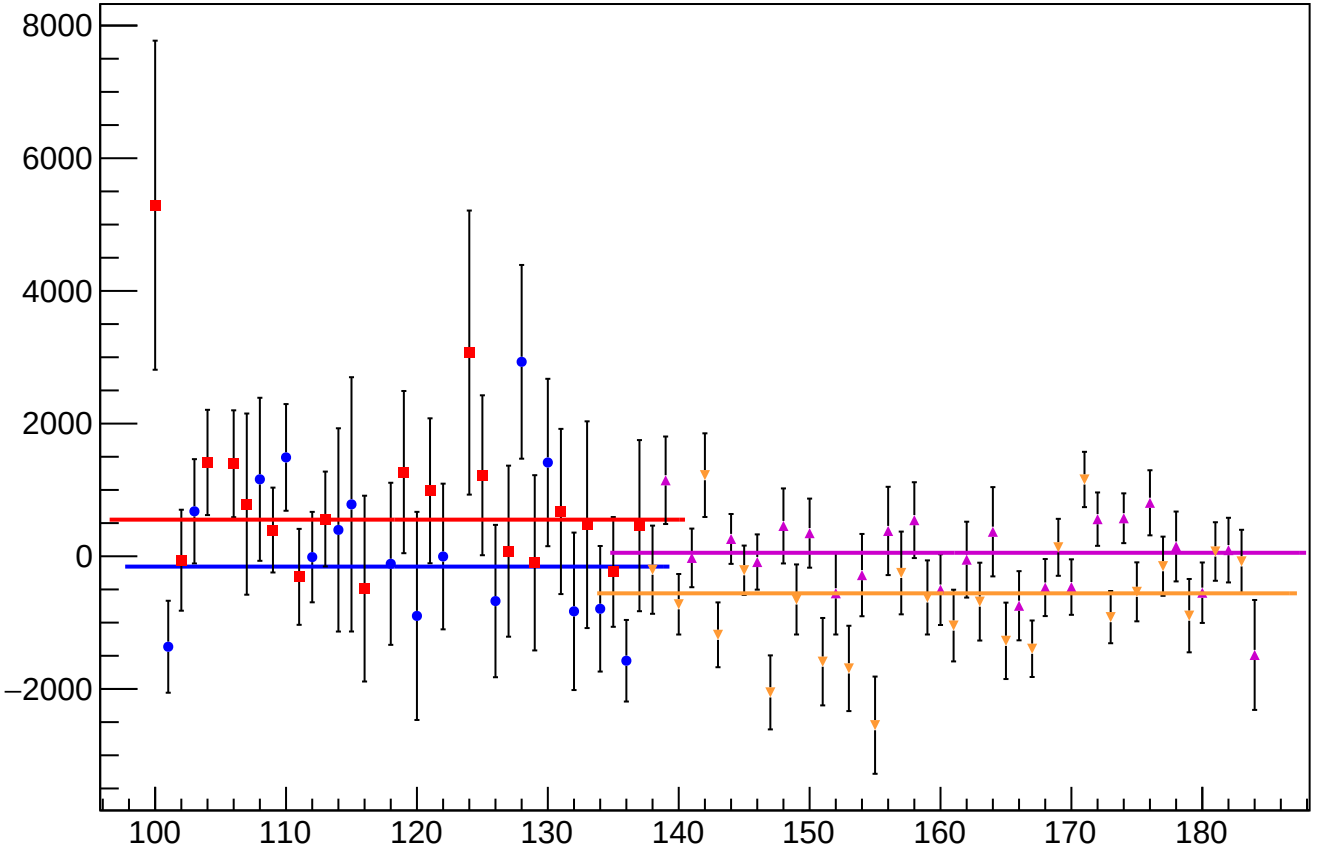
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 470.359+/-0.068 χ^2/NDF:2862031.0/38

Out: 467.941+/-0.066 χ^2/NDF:2967147.0/42

All: 469.119+/-0.047 χ^2/NDF: 5829828.1/81

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: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -257.640+/-72.884 χ^2/NDF: 103.8/46

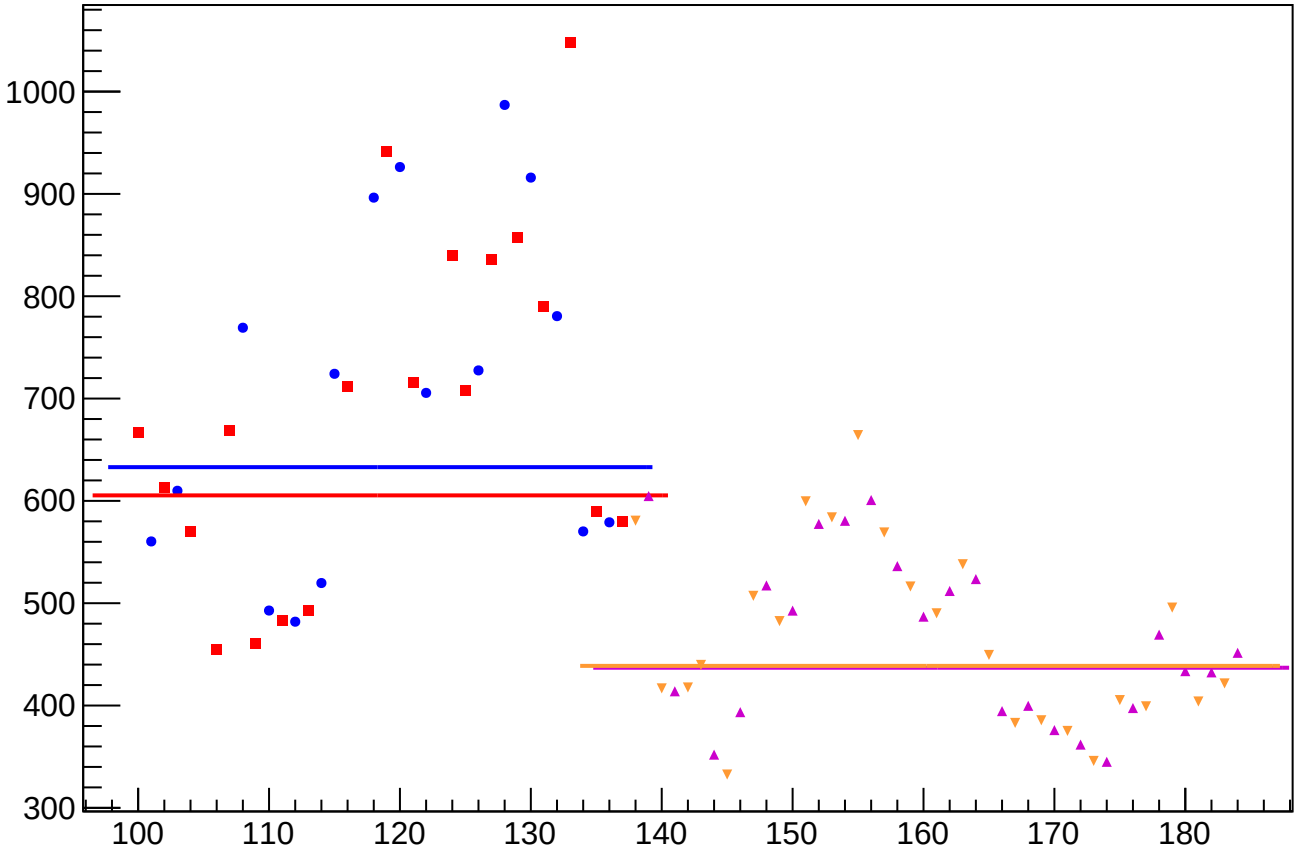
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 20.298+/-95.486 χ^2/NDF:47.2/38

Out: -373.591+/-93.393 χ^2/NDF:93.9/42

All: -181.011+/-66.766 χ^2/NDF: 149.8/81

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: 436.937+/-0.073 χ^2/NDF:1080038.0/22

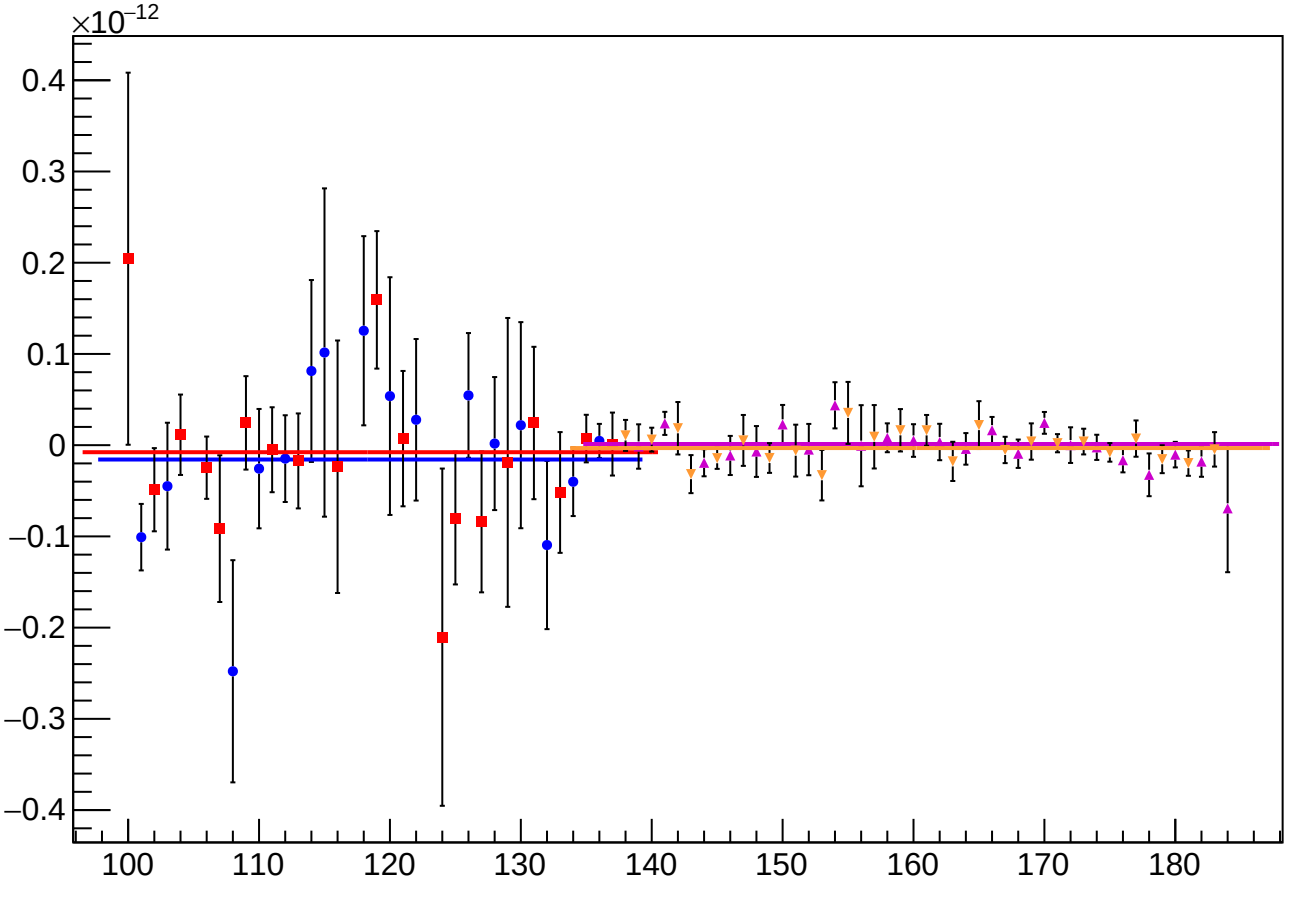
Left: 437.861+/-0.052 χ^2/NDF: 2283828.7/46

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 467.307+/-0.068 χ^2/NDF:2864754.0/38

Out: 466.496+/-0.066 χ^2/NDF:2940802.4/42

All: 466.892+/-0.047 χ^2/NDF: 5805630.0/81



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:22.0/22

Left: -0.000+/-0.000 χ^2/NDF: 37.1/46

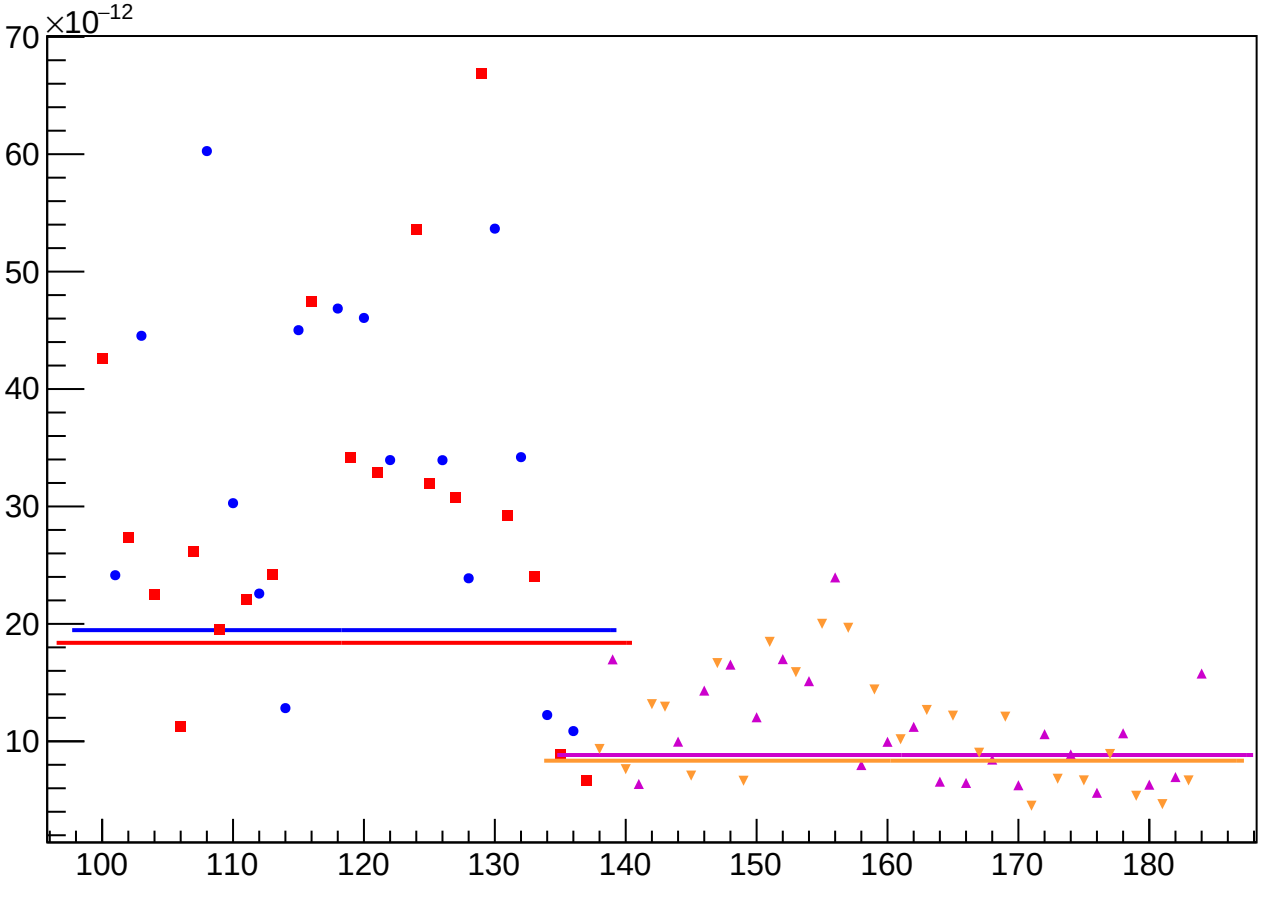
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: -0.000+/-0.000 χ^2/NDF:40.6/38

Out: -0.000+/-0.000 χ^2/NDF:27.4/42

All: -0.000+/-0.000 χ^2/NDF: 68.5/81

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:1644276.1/22

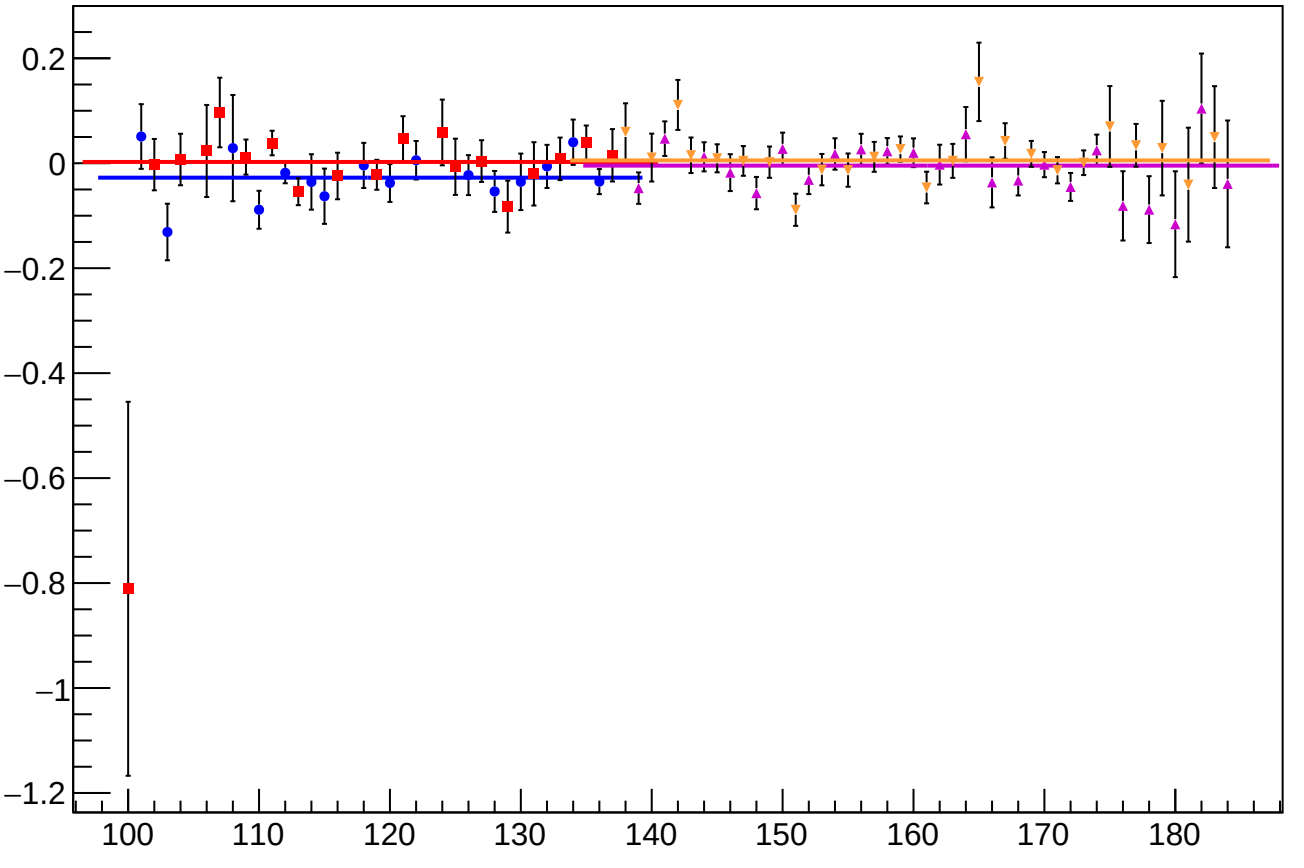
Left: 0.000+/-0.000 χ^2/NDF: 3868692.9/46

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:4691671.6/38

Out: 0.000+/-0.000 χ^2/NDF:4912791.4/42

All: 0.000+/-0.000 χ^2/NDF: 9632703.0/81



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: -0.005+/-0.007 χ^2/NDF:25.1/22

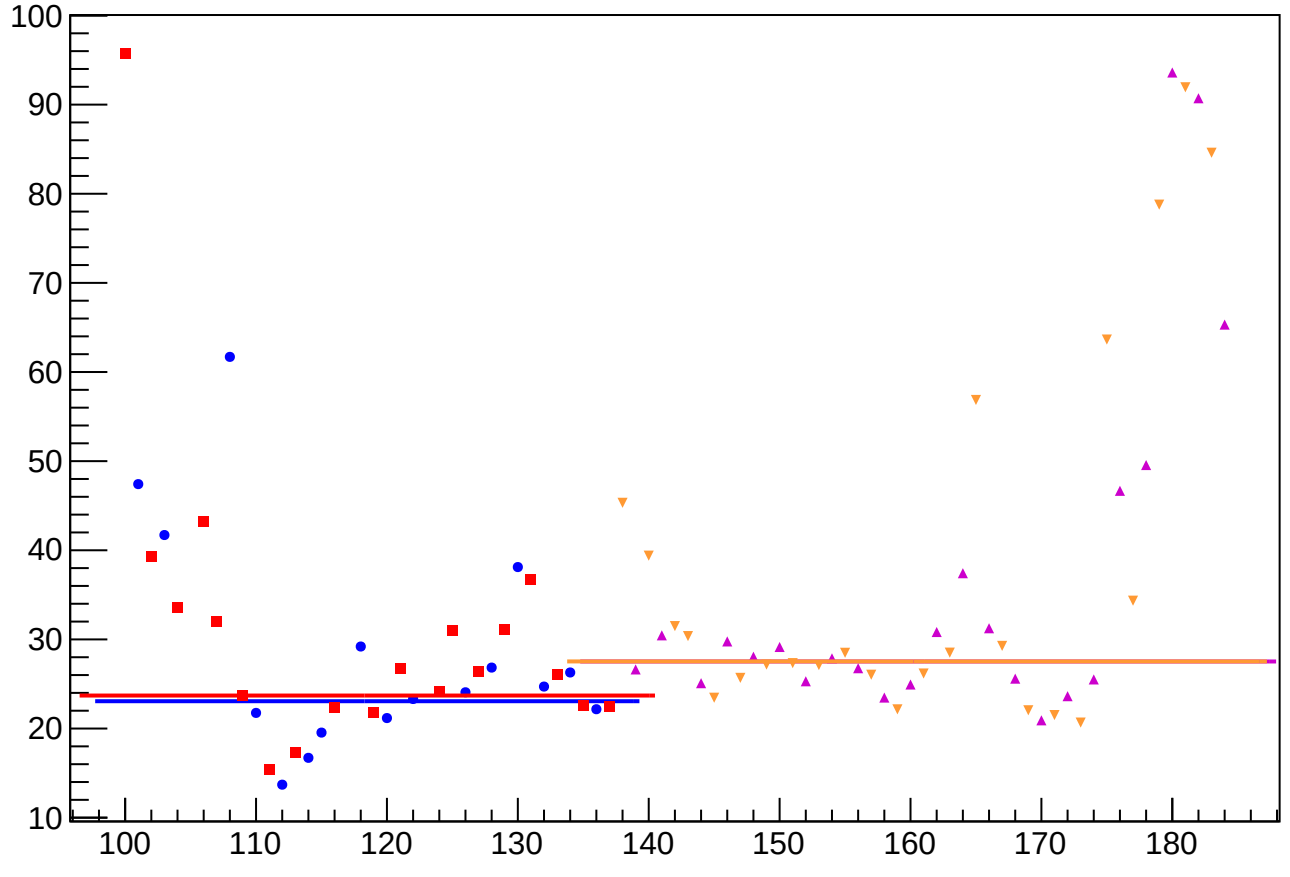
Left: 0.000+/-0.005 χ^2/NDF: 53.8/46

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:42.6/38

Out: 0.004+/-0.006 χ^2/NDF:49.8/42

All: -0.004+/-0.004 χ^2/NDF: 97.2/81



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: 27.524+/-0.005 χ^2/NDF:2634540.9/22

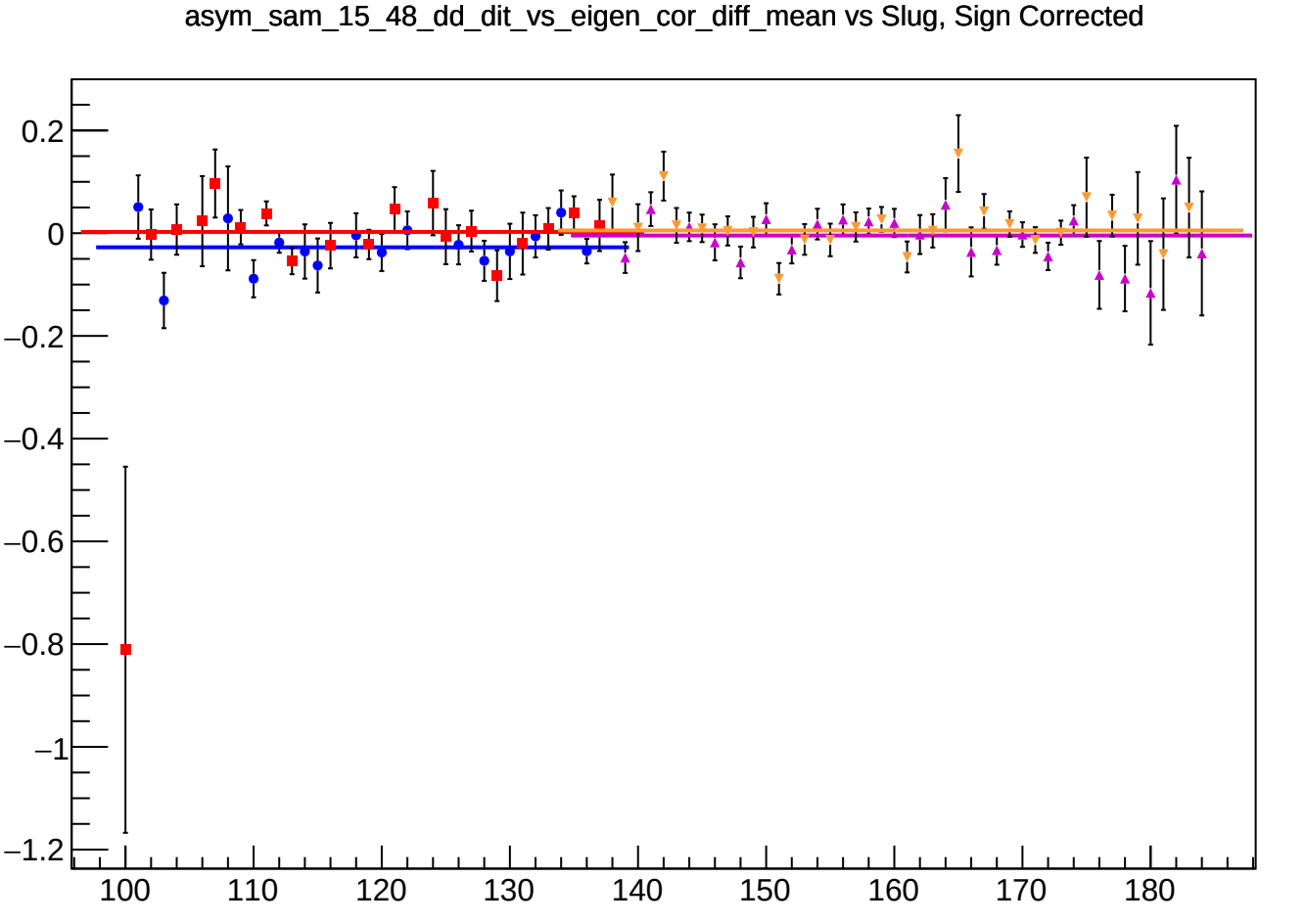
Left: 27.527+/-0.003 χ^2/NDF: 6416911.8/46

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.938+/-0.004 χ^2/NDF:4489227.9/38

Out: 26.180+/-0.004 χ^2/NDF:5090575.1/42

All: 26.061+/-0.003 χ^2/NDF: 9581706.0/81



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: -0.005+/-0.007 χ^2/NDF:25.1/22

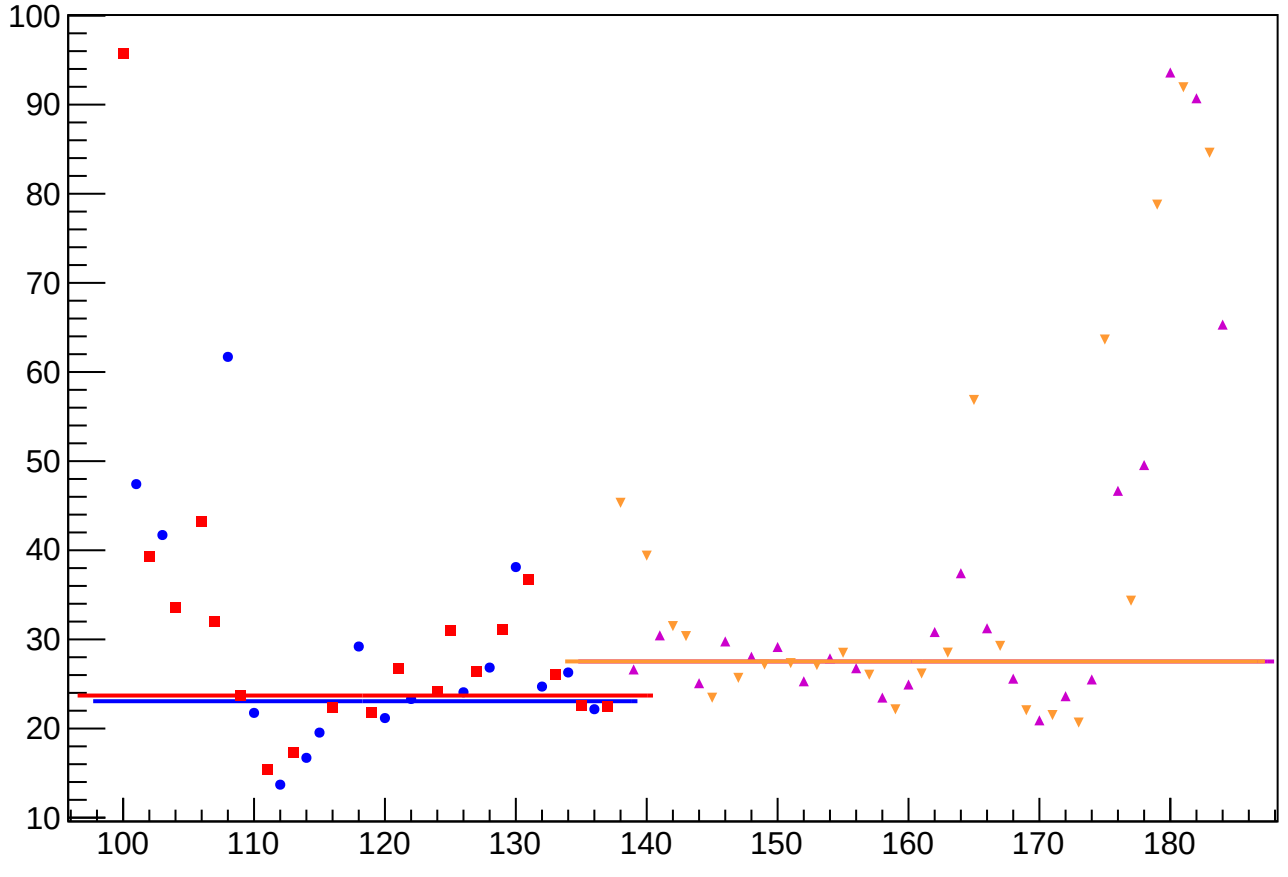
Left: 0.000+/-0.005 χ^2/NDF: 53.8/46

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:42.6/38

Out: 0.004+/-0.006 χ^2/NDF:49.8/42

All: -0.004+/-0.004 χ^2/NDF: 97.2/81



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: 27.524+/-0.005 χ^2/NDF:2634540.9/22

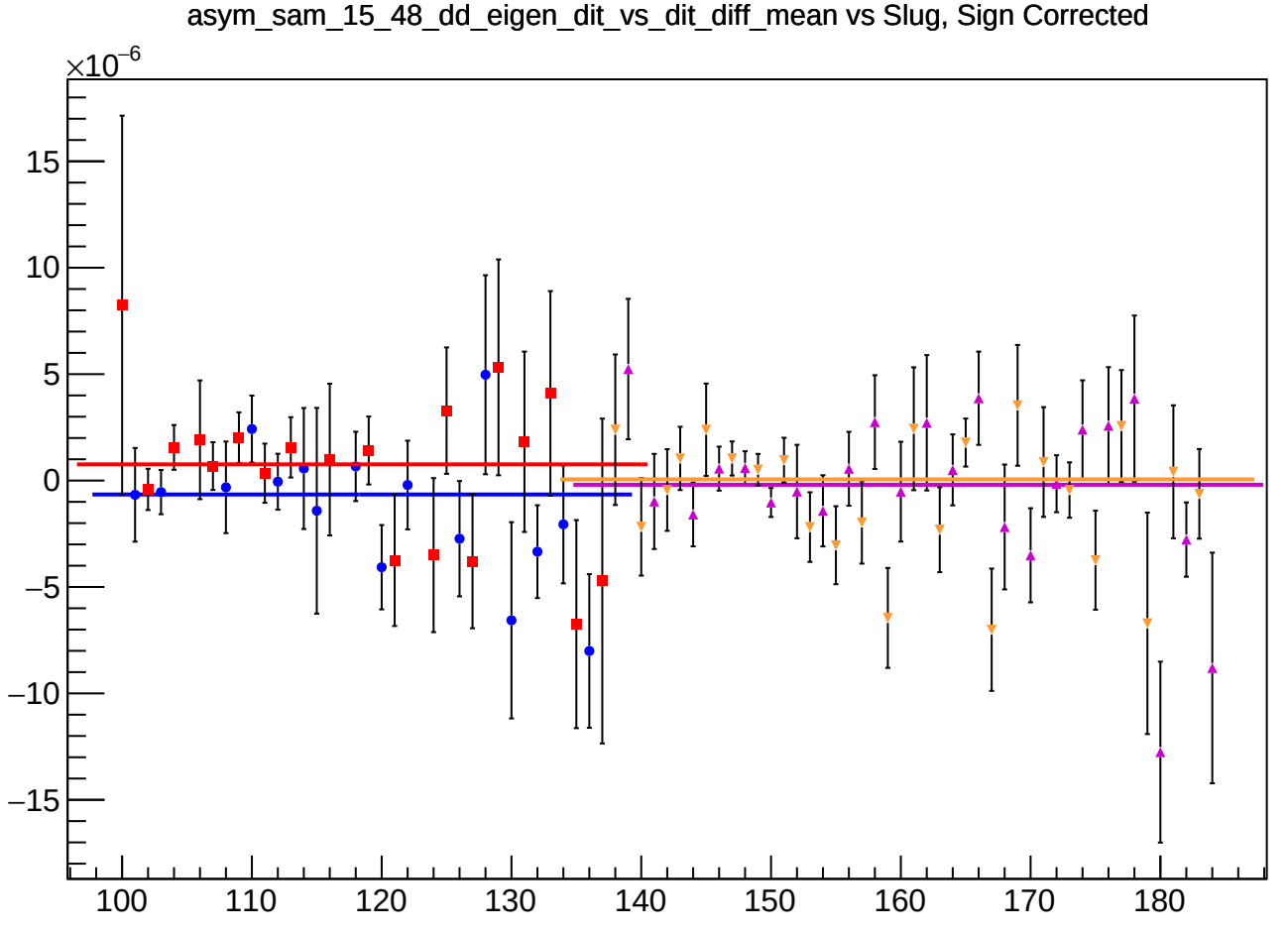
Left: 27.527+/-0.003 χ^2/NDF: 6416911.8/46

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.938+/-0.004 χ^2/NDF:4489227.9/38

Out: 26.180+/-0.004 χ^2/NDF:5090575.1/42

All: 26.061+/-0.003 χ^2/NDF: 9581706.0/81



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:33.3/22

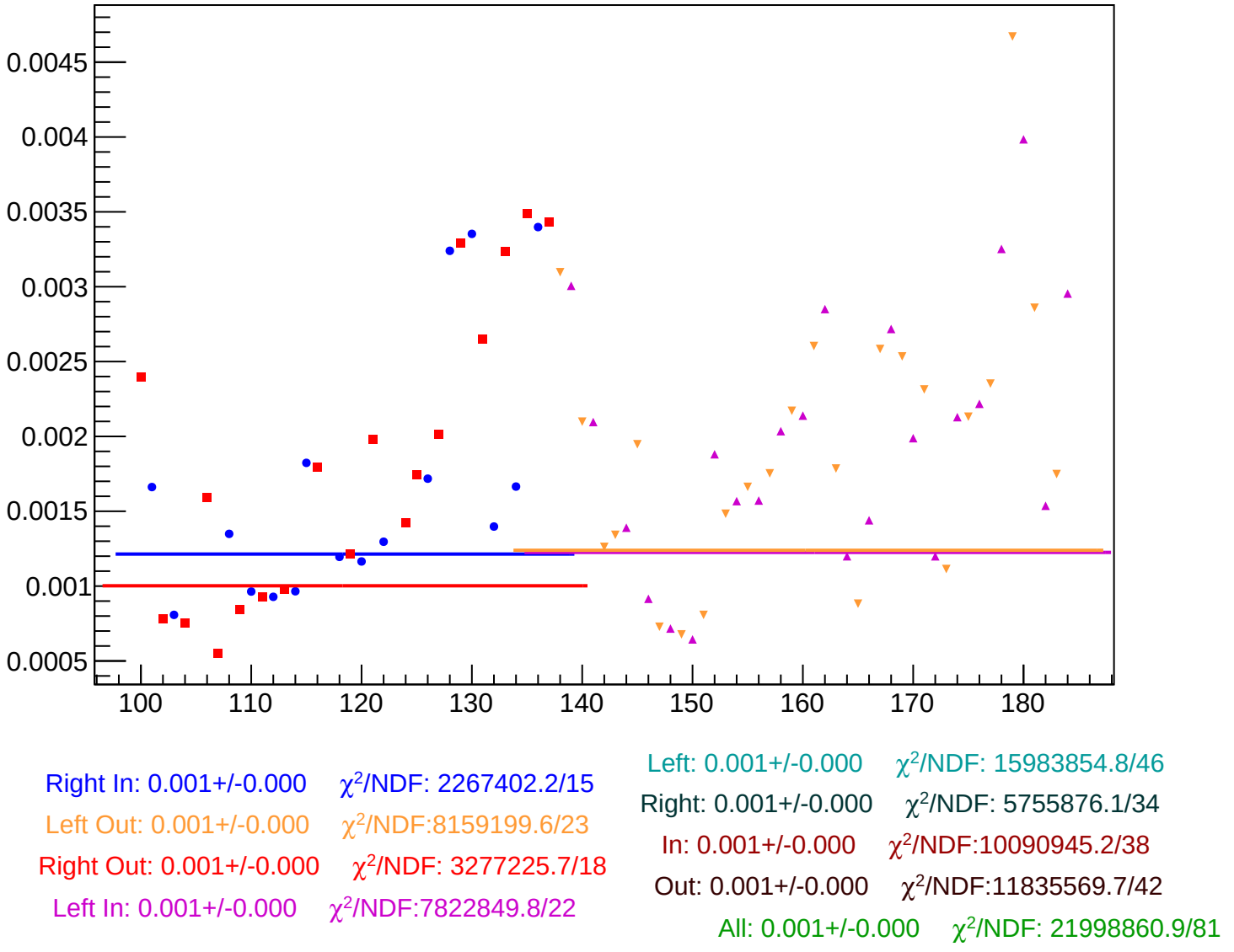
Left: -0.000+/-0.000 χ^2/NDF: 70.4/46

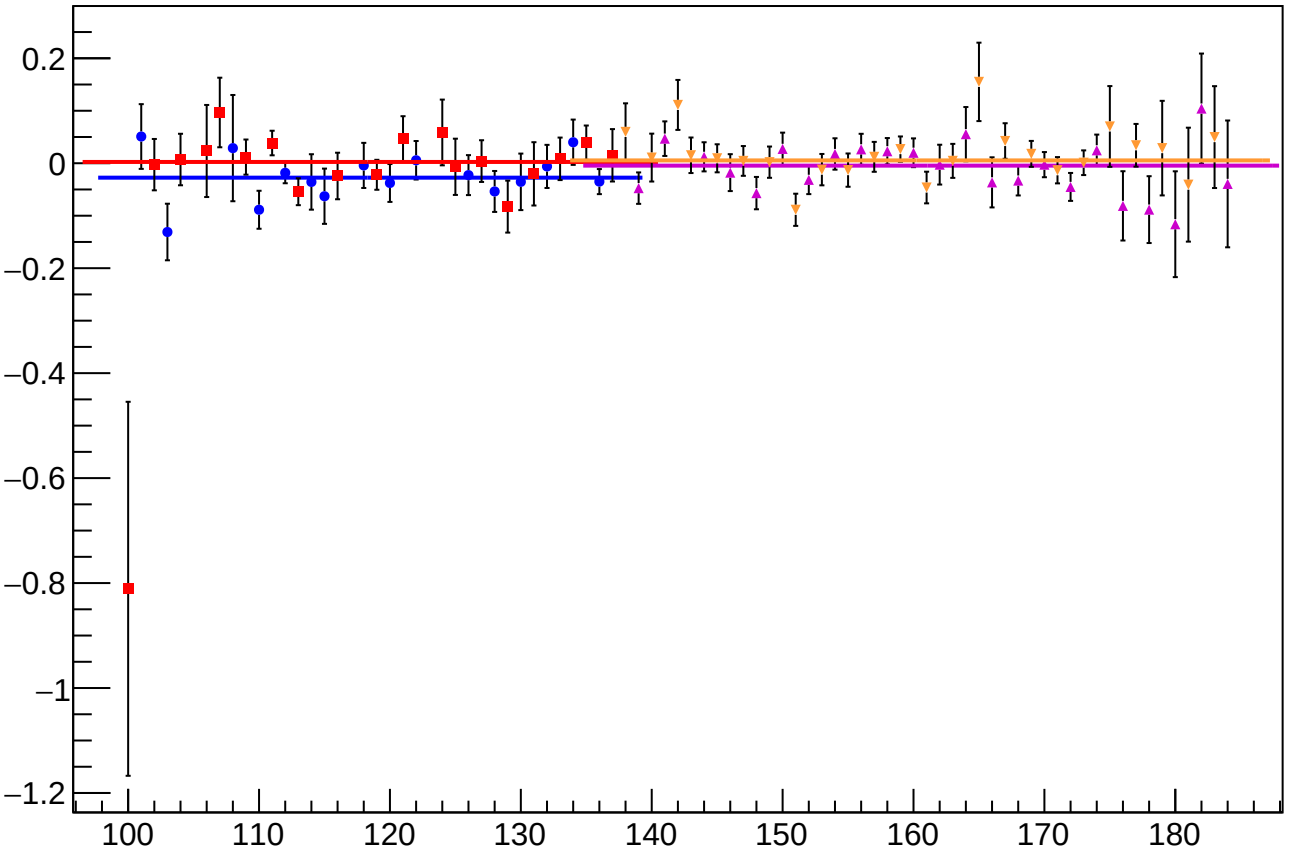
Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:51.4/38

Out: 0.000+/-0.000 χ^2/NDF:53.8/42

All: 0.000+/-0.000 χ^2/NDF: 108.2/81


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:8159199.6/23
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:7822849.8/22
Left: 0.001+/-0.000 χ²/NDF: 15983854.8/46
Right: 0.001+/-0.000 χ²/NDF: 5755876.1/34
In: 0.001+/-0.000 χ²/NDF:10090945.2/38
Out: 0.001+/-0.000 χ²/NDF:11835569.7/42
All: 0.001+/-0.000 χ²/NDF: 21998860.9/81



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: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 53.8/46

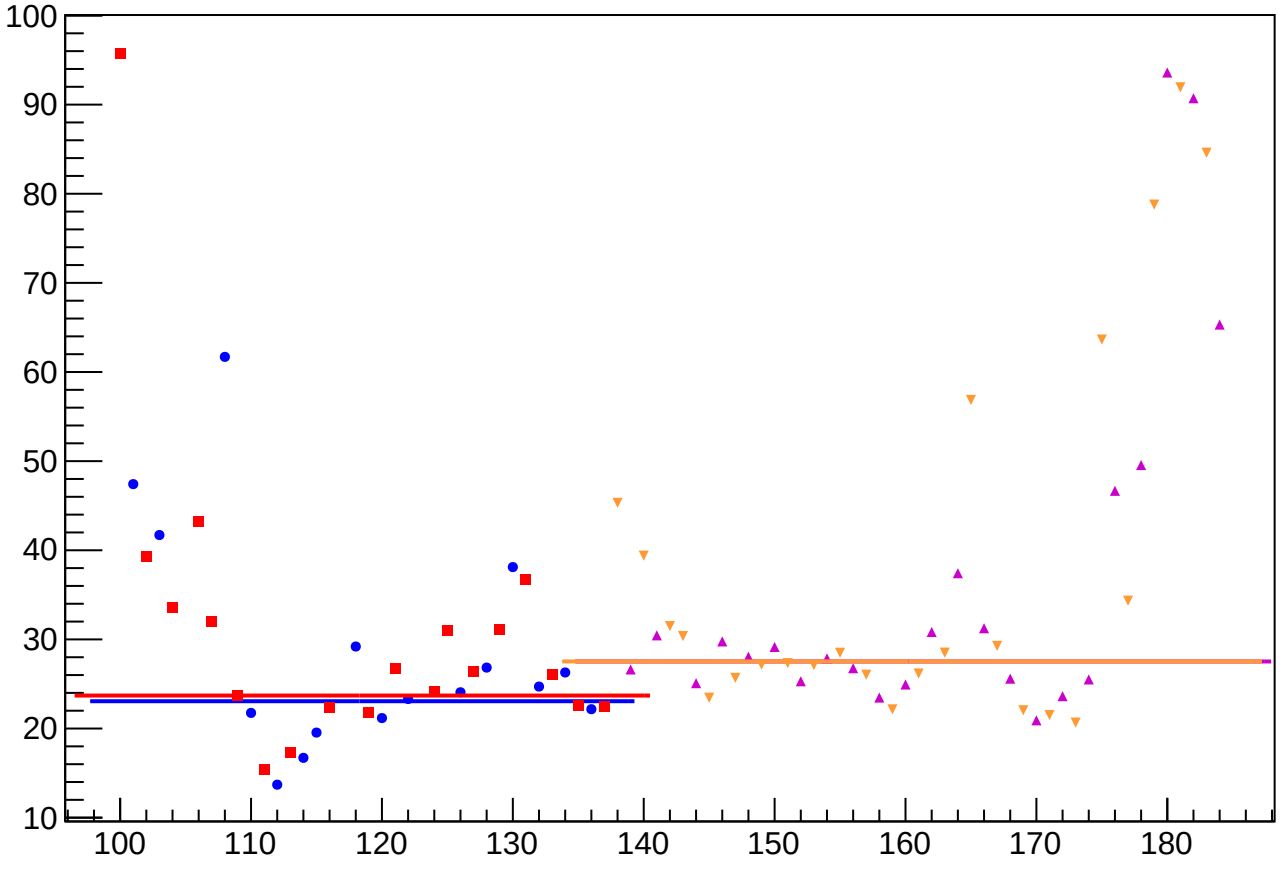
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:42.6/38

Out: 0.004+/-0.006 χ^2/NDF:49.8/42

All: -0.004+/-0.004 χ^2/NDF: 97.2/81

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.530+/-0.005 χ^2/NDF:3782317.8/23

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

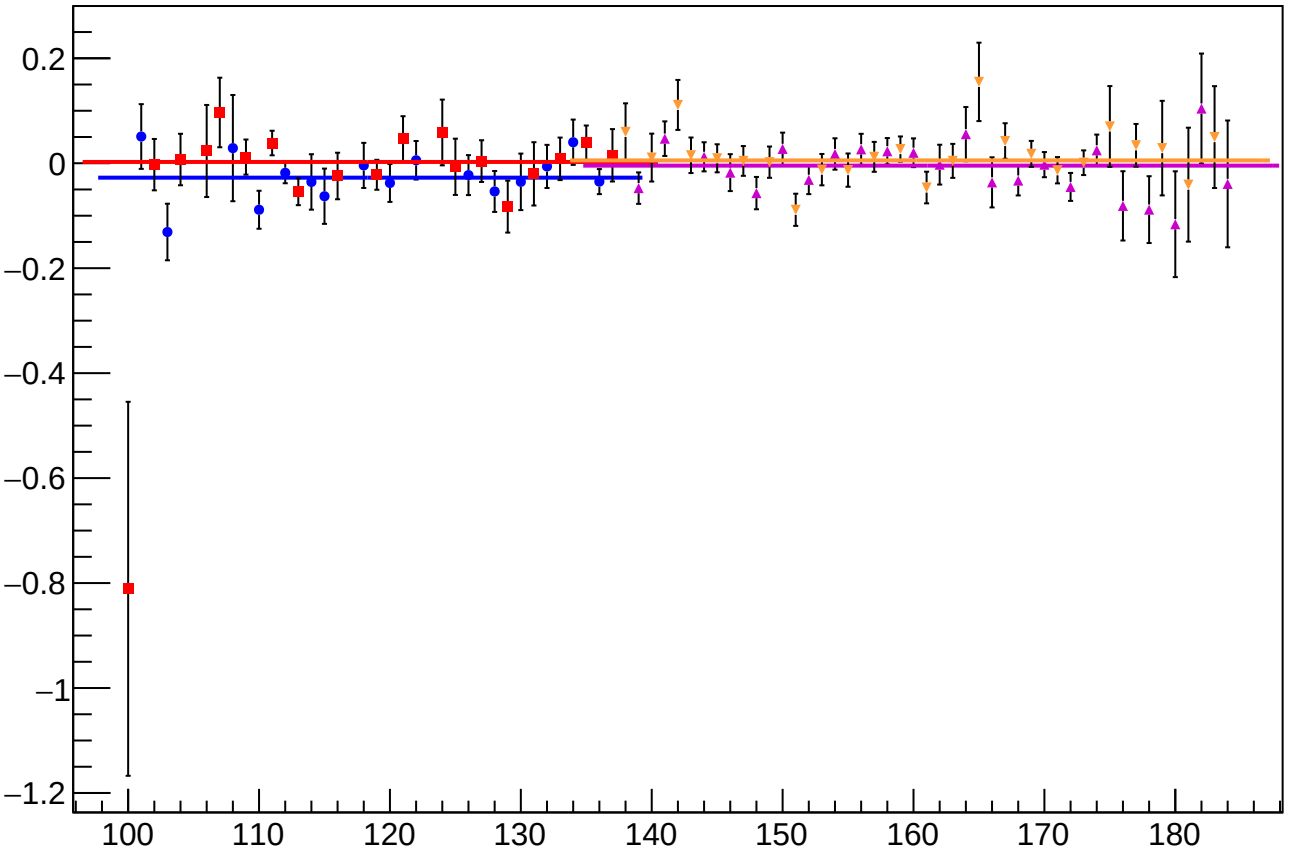
Left: 27.527+/-0.003 χ^2/NDF: 6416827.3/46

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.938+/-0.004 χ^2/NDF:4489262.6/38

Out: 26.180+/-0.004 χ^2/NDF:5090626.1/42

All: 26.061+/-0.003 χ^2/NDF: 9581792.8/81



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: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 53.8/46

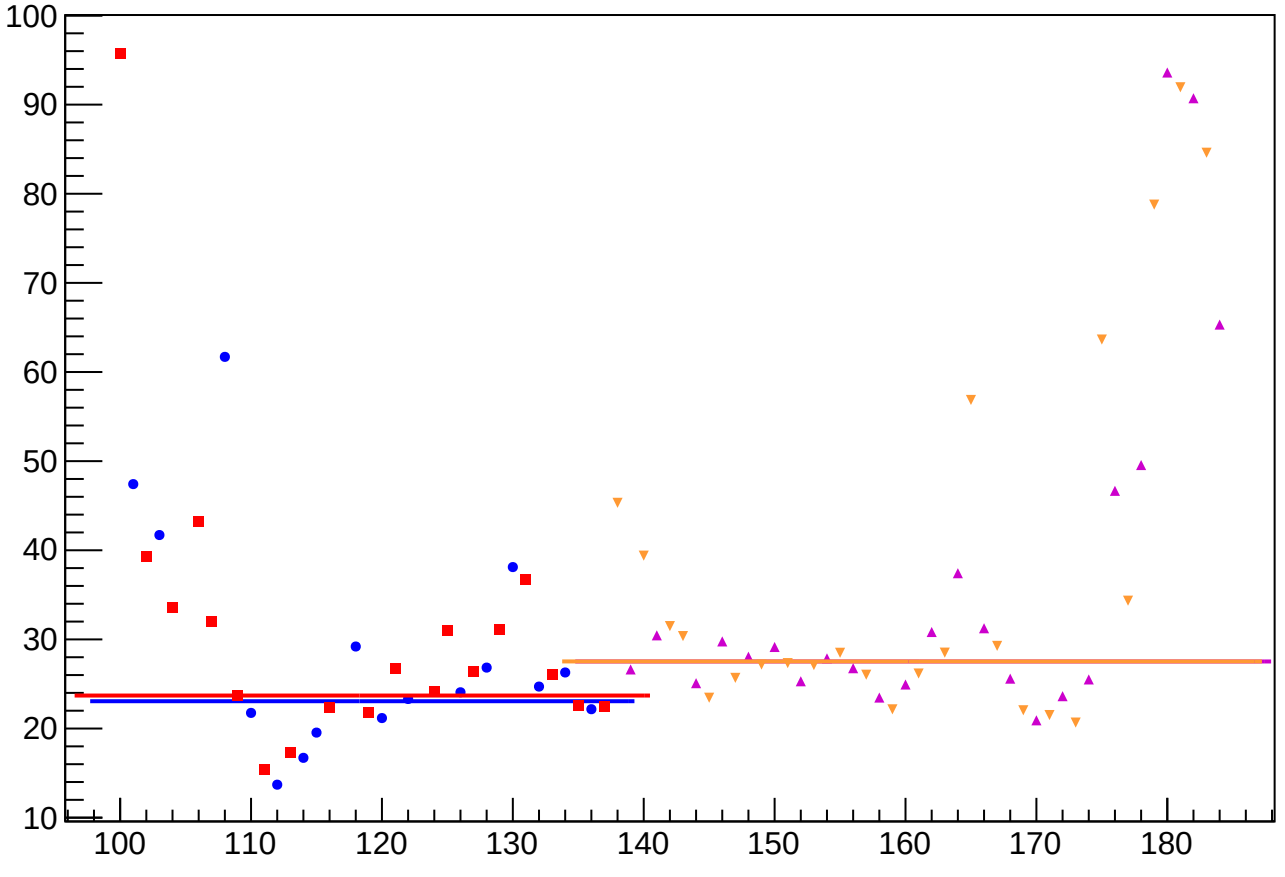
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:42.6/38

Out: 0.004+/-0.006 χ^2/NDF:49.8/42

All: -0.004+/-0.004 χ^2/NDF: 97.2/81

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.530+/-0.005 χ^2/NDF:3782317.8/23

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

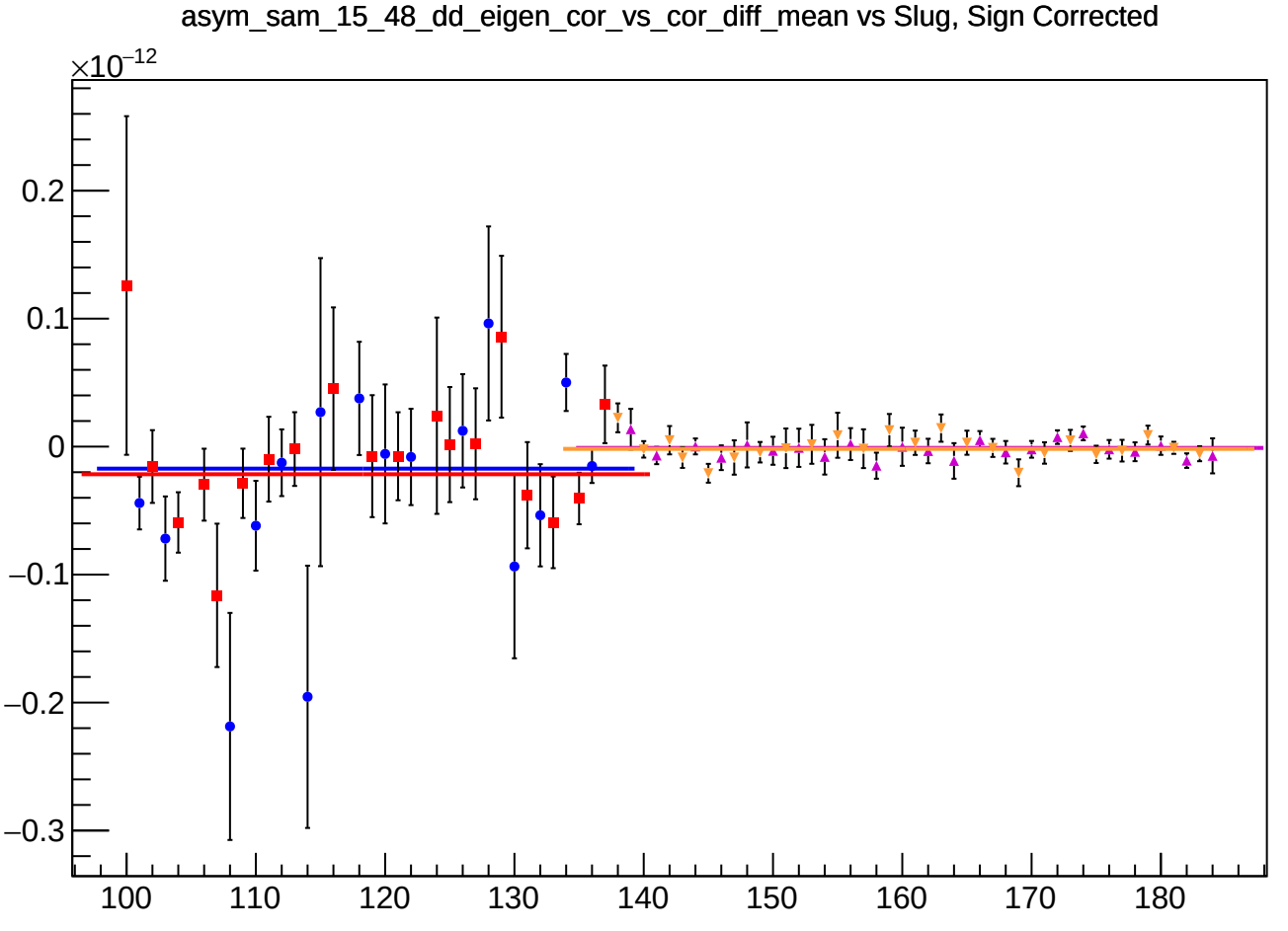
Left: 27.527+/-0.003 χ^2/NDF: 6416827.3/46

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.938+/-0.004 χ^2/NDF:4489262.6/38

Out: 26.180+/-0.004 χ^2/NDF:5090626.1/42

All: 26.061+/-0.003 χ^2/NDF: 9581792.8/81



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:16.5/22

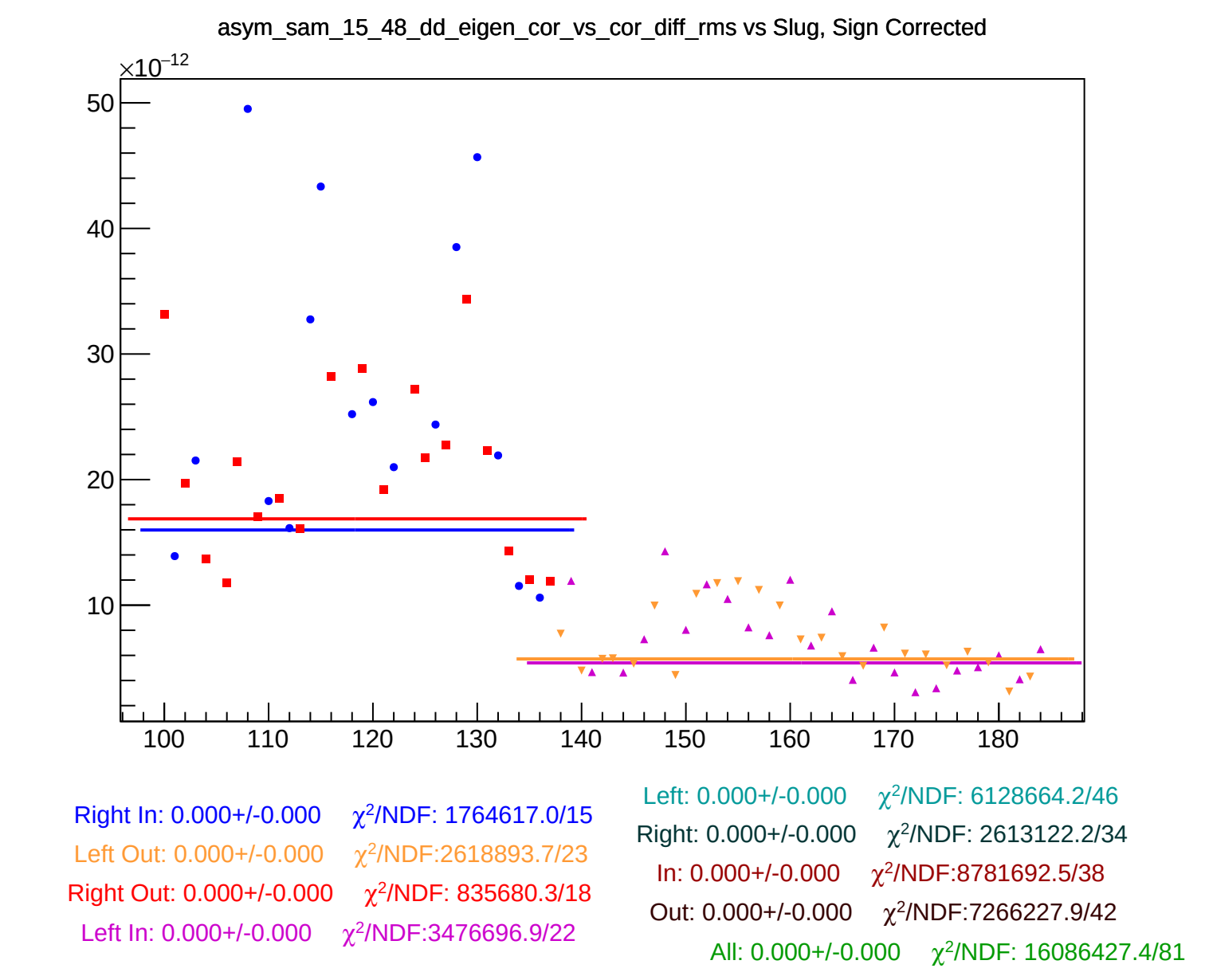
Left: -0.000+/-0.000 χ^2/NDF: 41.0/46

Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:50.5/38

Out: -0.000+/-0.000 χ^2/NDF:48.4/42

All: -0.000+/-0.000 χ^2/NDF: 99.1/81


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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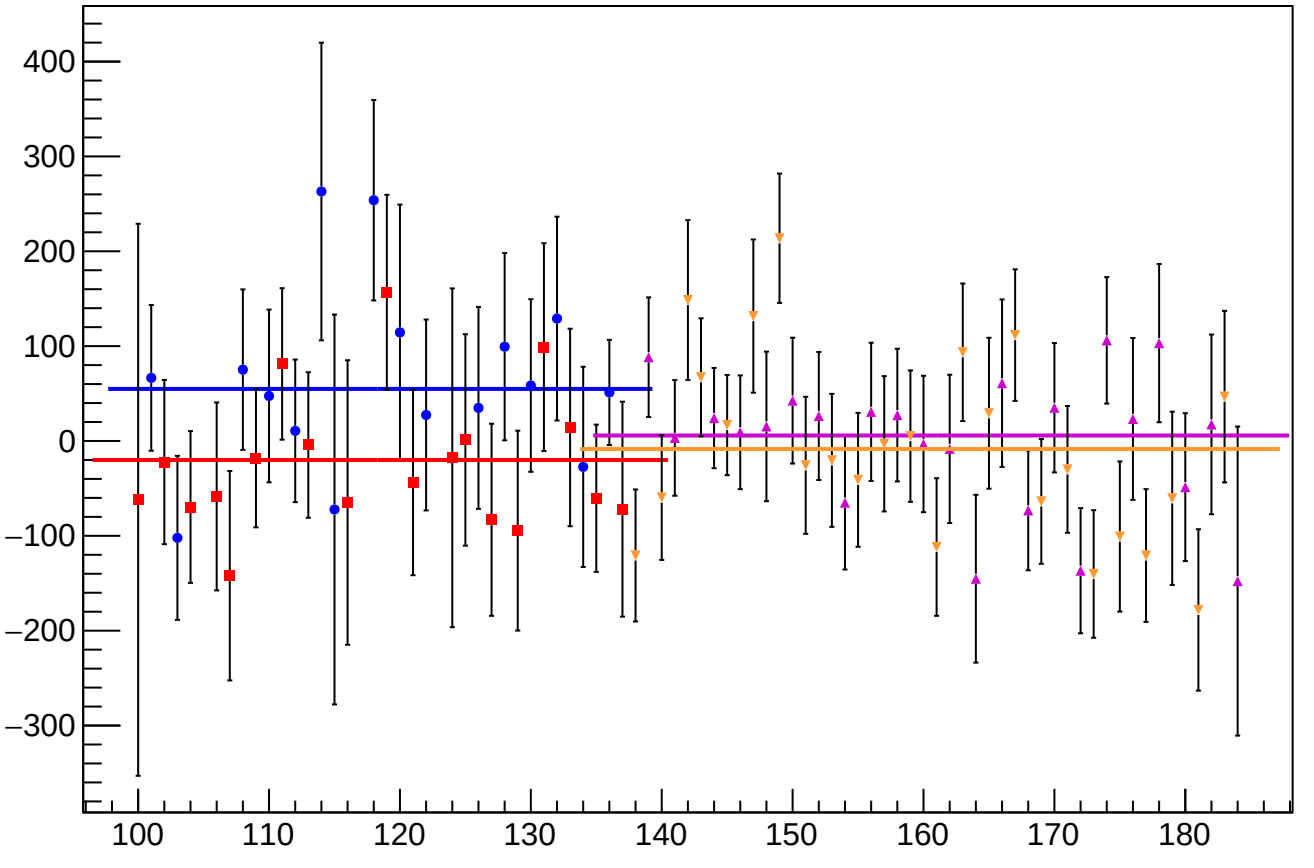
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2618893.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3476696.9/22
Left: 0.000+/-0.000 χ²/NDF: 6128664.2/46
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:8781692.5/38
Out: 0.000+/-0.000 χ²/NDF:7266227.9/42
All: 0.000+/-0.000 χ²/NDF: 16086427.4/81


reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
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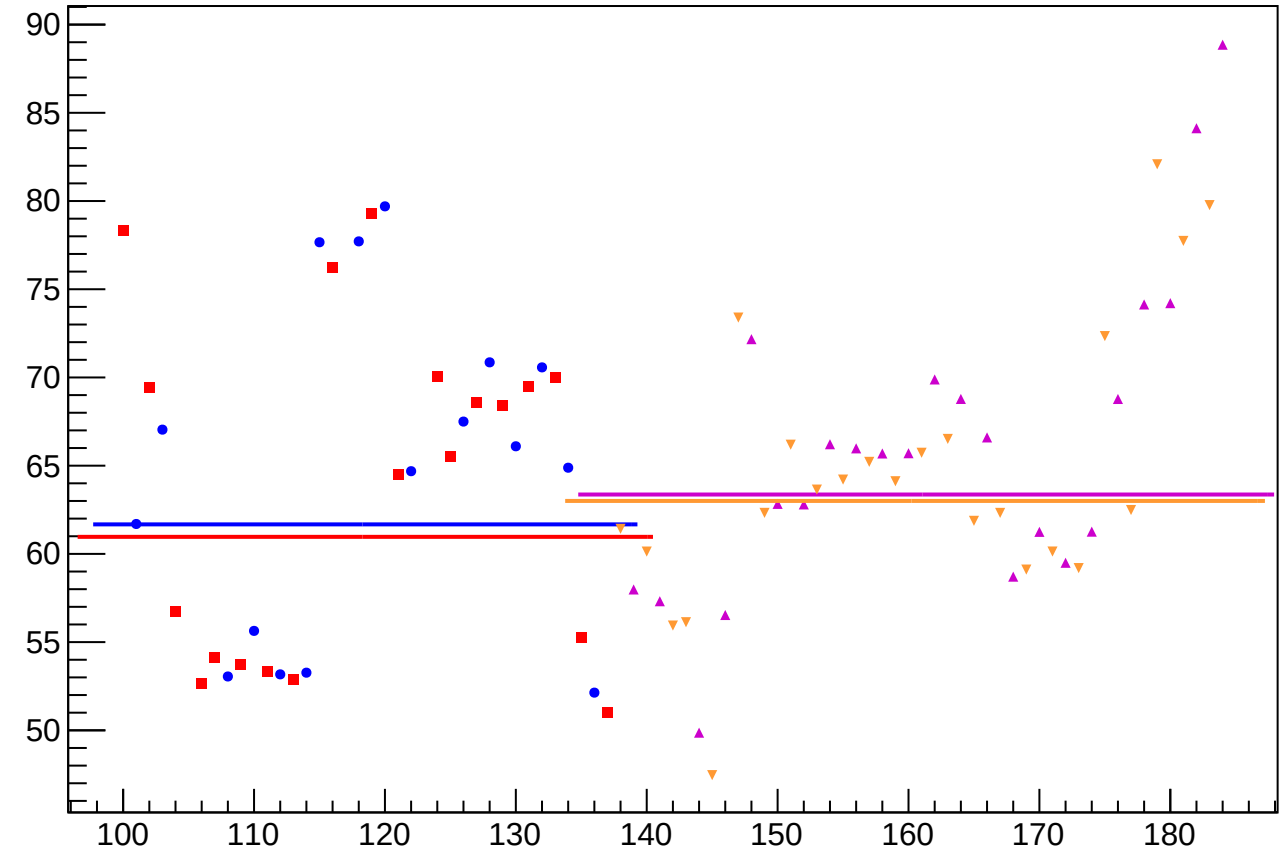
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
180
Right In: 54.883+/-23.179 χ²/NDF: 11.0/15
Left Out: -8.449+/-14.537 χ²/NDF:42.8/23
Right Out: -20.020+/-22.571 χ²/NDF: 9.2/18
Left In: 5.776+/-14.931 χ²/NDF:18.3/22
Left: -1.526+/-10.416 χ²/NDF: 61.6/46
Right: 16.437+/-16.171 χ²/NDF: 25.6/34
In: 20.177+/-12.552 χ²/NDF:32.5/38
Out: -11.841+/-12.221 χ²/NDF:52.3/42
All: 3.741+/-8.756 χ²/NDF: 88.1/81



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 63.002+/-0.010 χ^2/NDF:526418.6/23

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

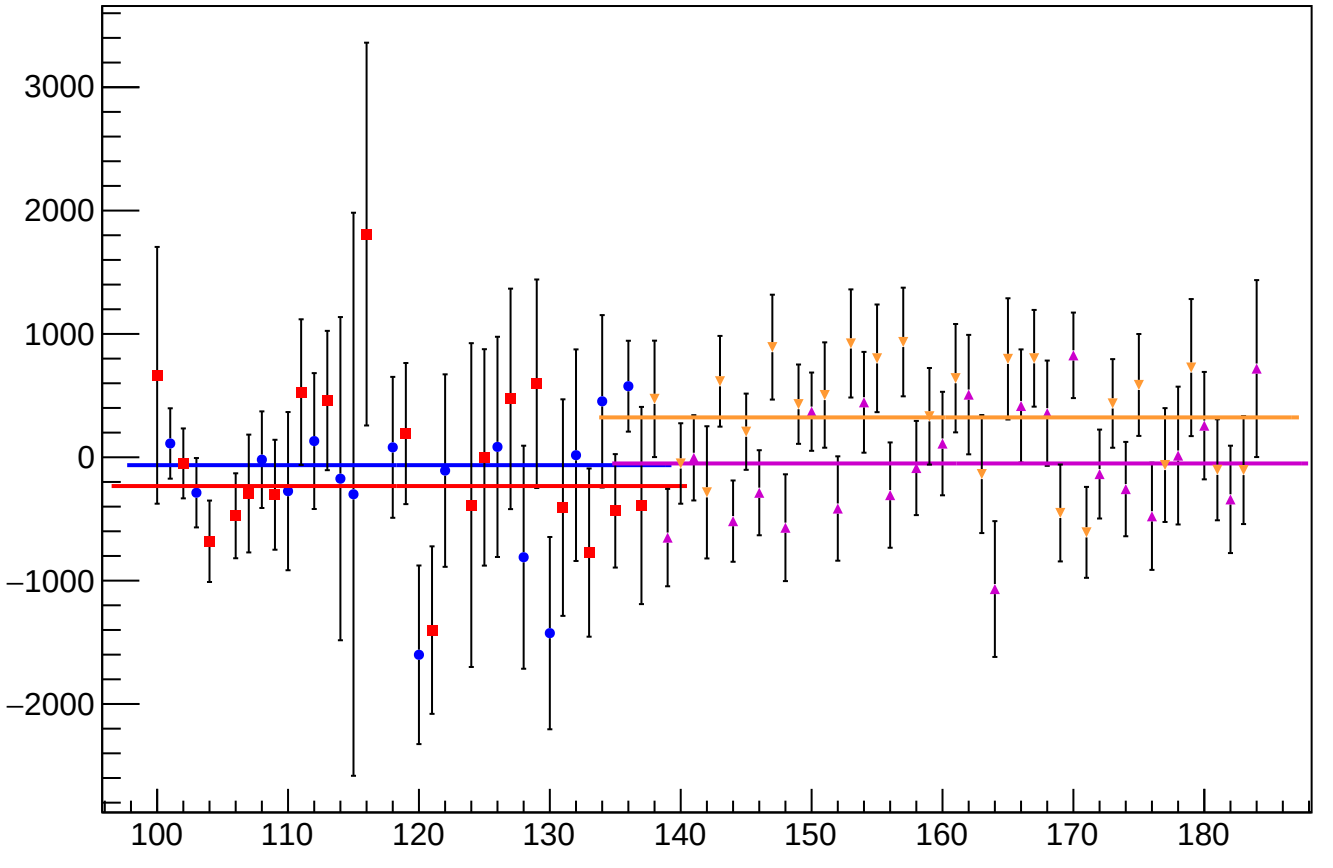
Left: 63.179+/-0.007 χ^2/NDF: 1023952.6/46

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 62.869+/-0.009 χ^2/NDF:771570.4/38

Out: 62.405+/-0.009 χ^2/NDF:822099.6/42

All: 62.631+/-0.006 χ^2/NDF: 1595071.4/81



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 323.406+/-83.096 χ^2/NDF:28.5/23

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

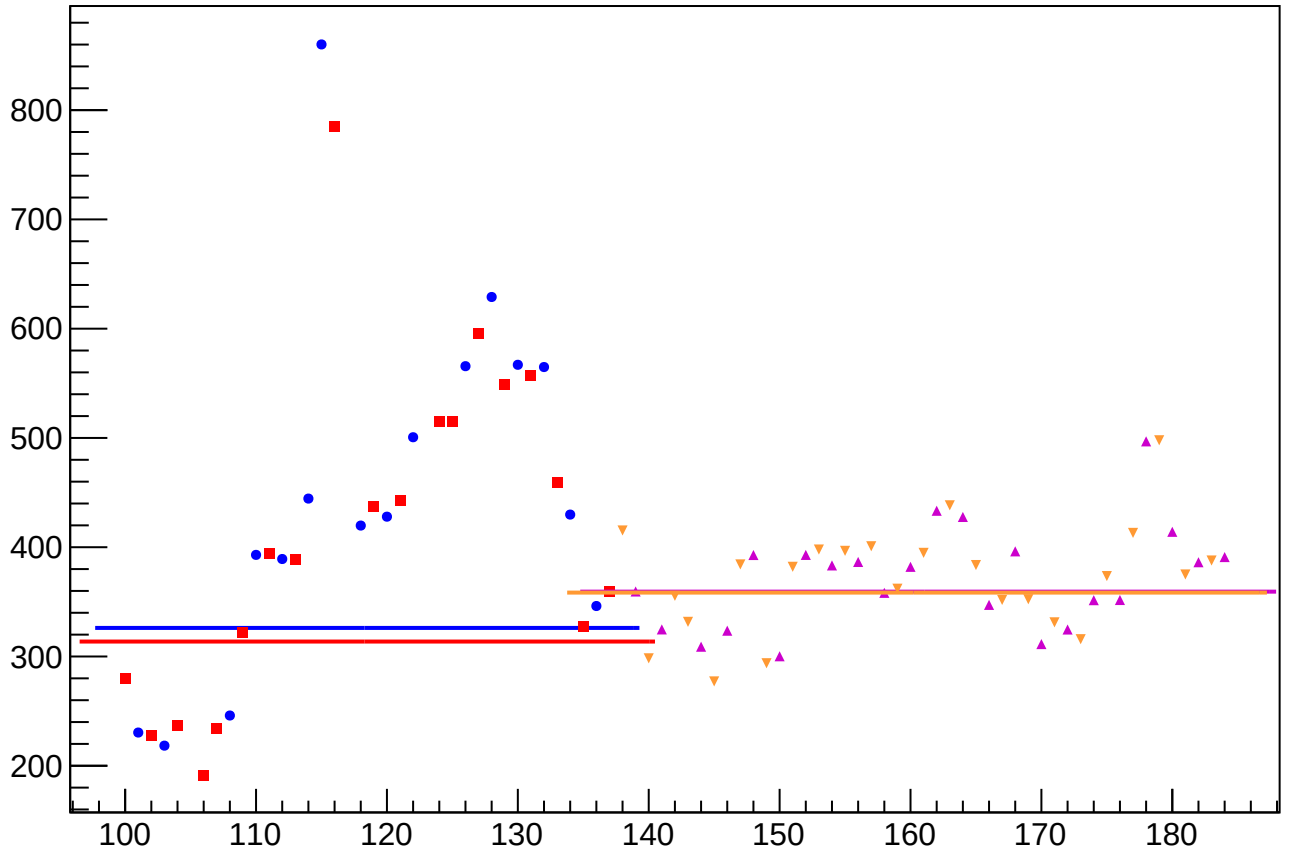
Left: 140.561+/-59.364 χ^2/NDF: 65.6/46

Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -54.168+/-70.994 χ^2/NDF:40.5/38

Out: 148.569+/-68.819 χ^2/NDF:57.1/42

All: 50.354+/-49.413 χ^2/NDF: 101.8/81



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: 359.350+/-0.060 χ^2/NDF:519759.9/22

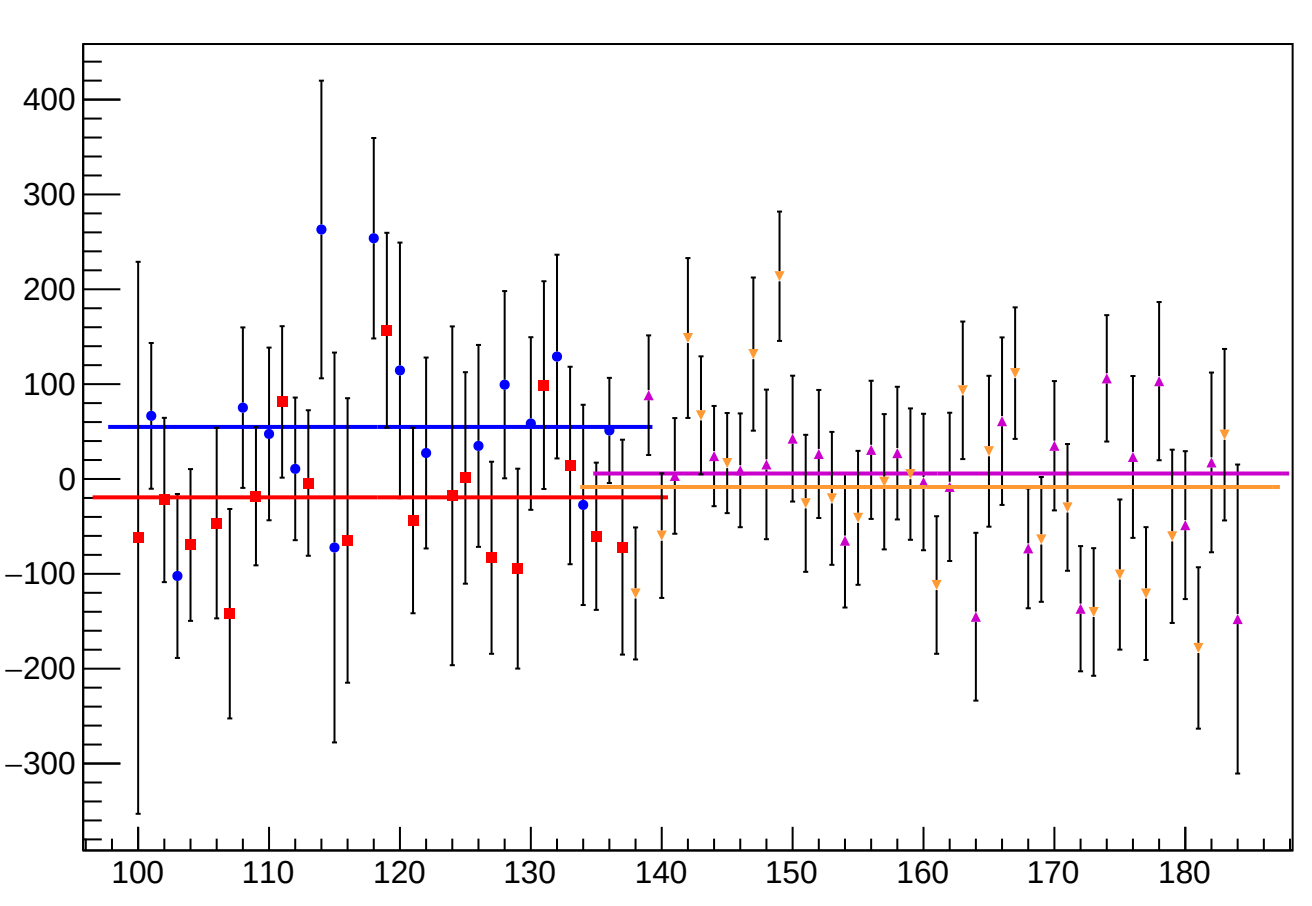
Left: 358.906+/-0.042 χ^2/NDF: 1194372.8/46

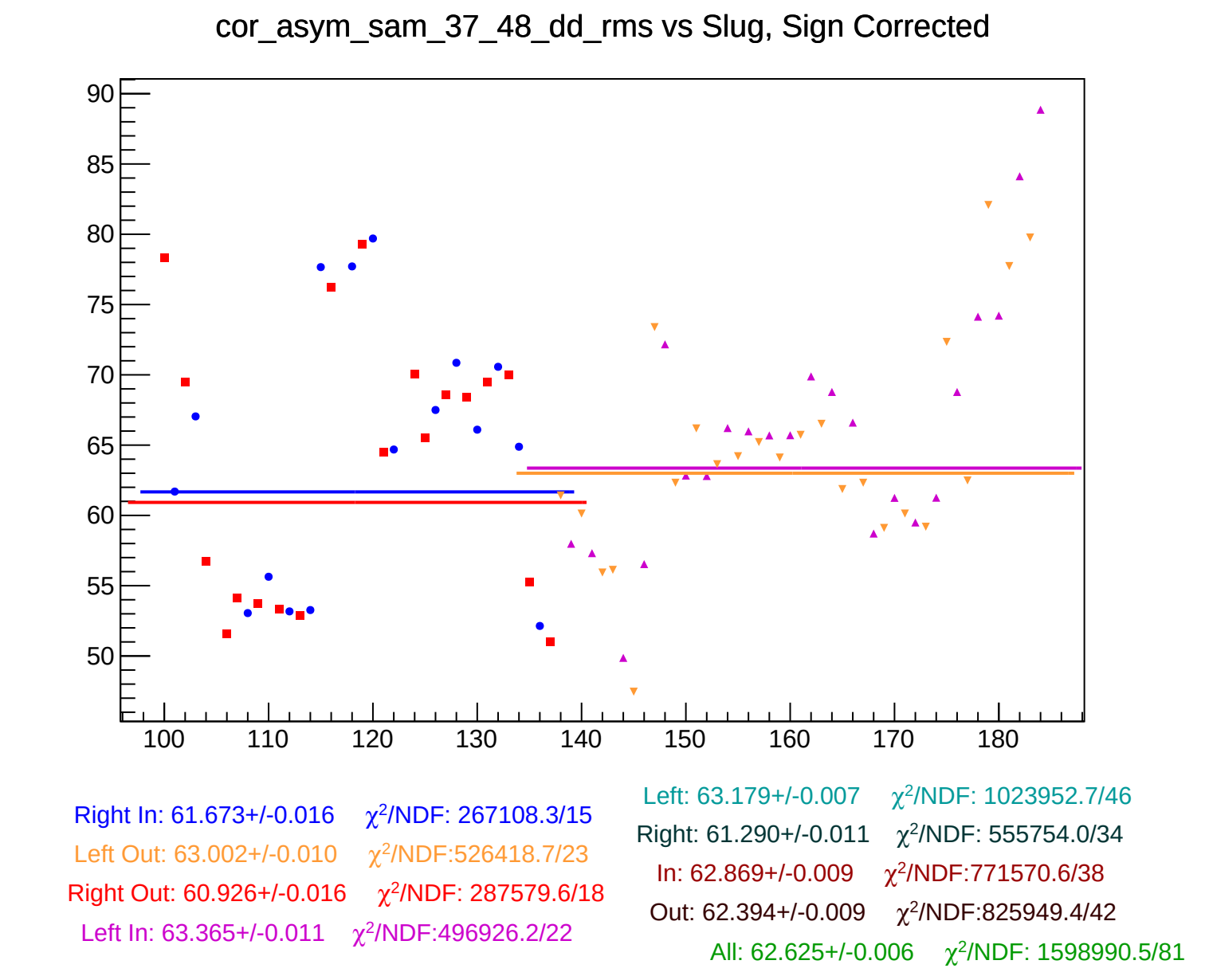
Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

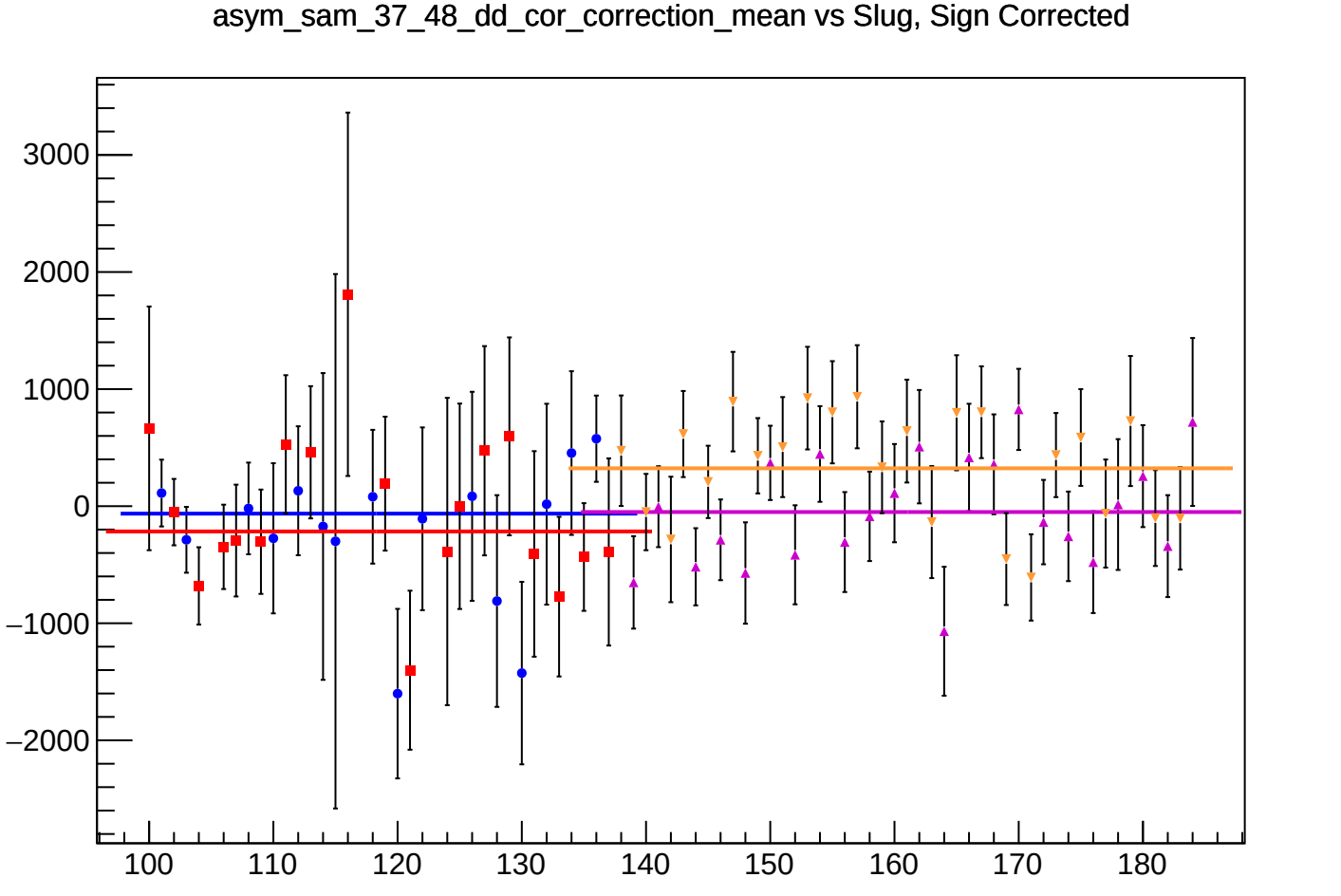
In: 349.398+/-0.050 χ^2/NDF:2345573.4/38

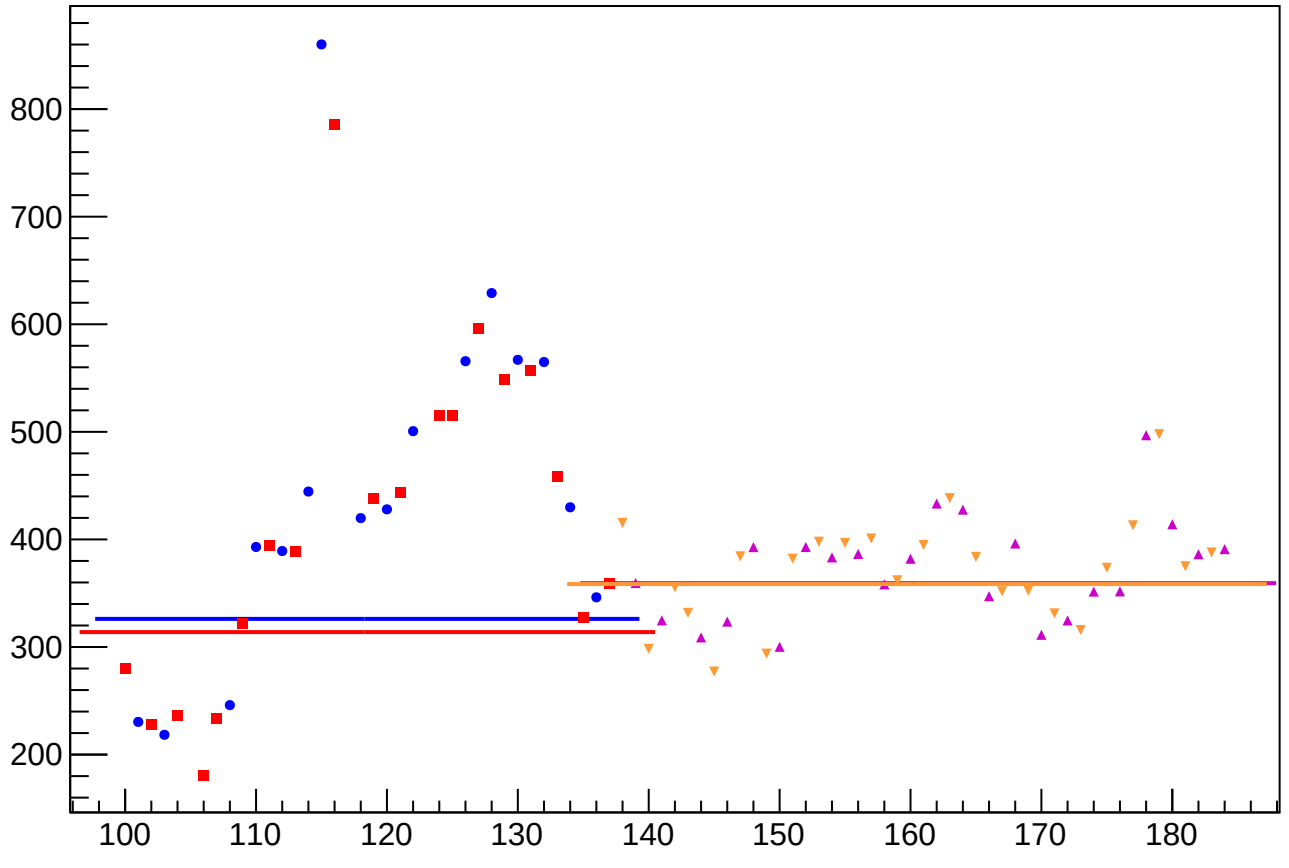
Out: 344.406+/-0.049 χ^2/NDF:2644522.4/42

All: 346.824+/-0.035 χ^2/NDF: 4995194.9/81


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: 5.775+/-14.931 χ²/NDF:18.3/22
Left: -1.529+/-10.416 χ²/NDF: 61.6/46
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 20.175+/-12.552 χ²/NDF:32.5/38
Out: -11.645+/-12.224 χ²/NDF:52.2/42
All: 3.844+/-8.757 χ²/NDF: 87.9/81


cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected
90
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: 63.365+/-0.011 χ²/NDF:496926.2/22
Left: 63.179+/-0.007 χ²/NDF: 1023952.7/46
Right: 61.290+/-0.011 χ²/NDF: 555754.0/34
In: 62.869+/-0.009 χ²/NDF:771570.6/38
Out: 62.394+/-0.009 χ²/NDF:825949.4/42
All: 62.625+/-0.006 χ²/NDF: 1598990.5/81


asym_sam_37_48_dd_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: -50.029+/-84.838 χ²/NDF:27.3/22
Left: 140.560+/-59.364 χ²/NDF: 65.6/46
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -54.162+/-70.994 χ²/NDF:40.5/38
Out: 155.317+/-68.941 χ²/NDF:55.7/42
All: 53.650+/-49.459 χ²/NDF: 100.7/81



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: 359.350+/-0.060 χ^2/NDF:519762.7/22

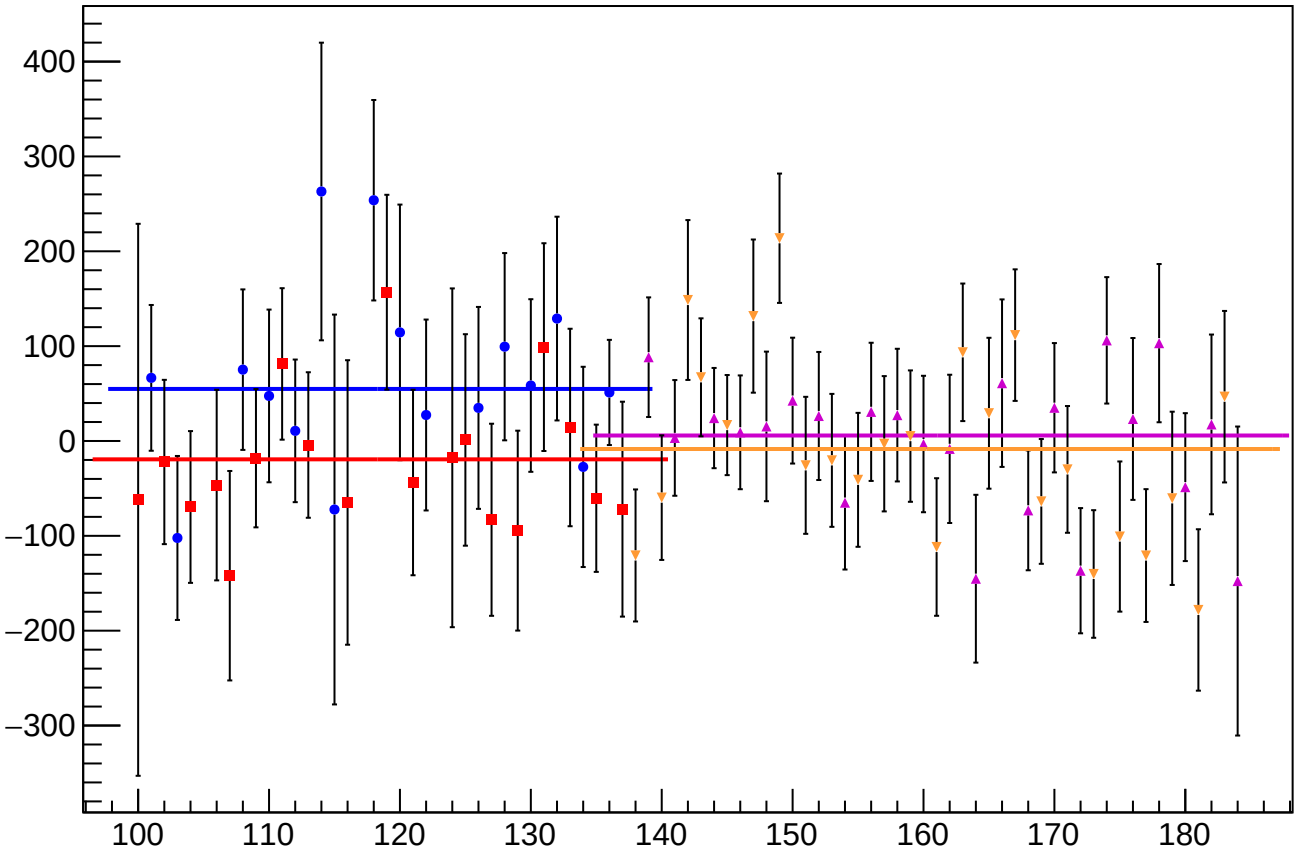
Left: 358.906+/-0.042 χ^2/NDF: 1194372.3/46

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 349.399+/-0.050 χ^2/NDF:2345498.9/38

Out: 344.574+/-0.049 χ^2/NDF:2660005.7/42

All: 346.916+/-0.035 χ^2/NDF: 5010259.1/81



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -8.452+/-14.537 χ^2/NDF:42.8/23

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

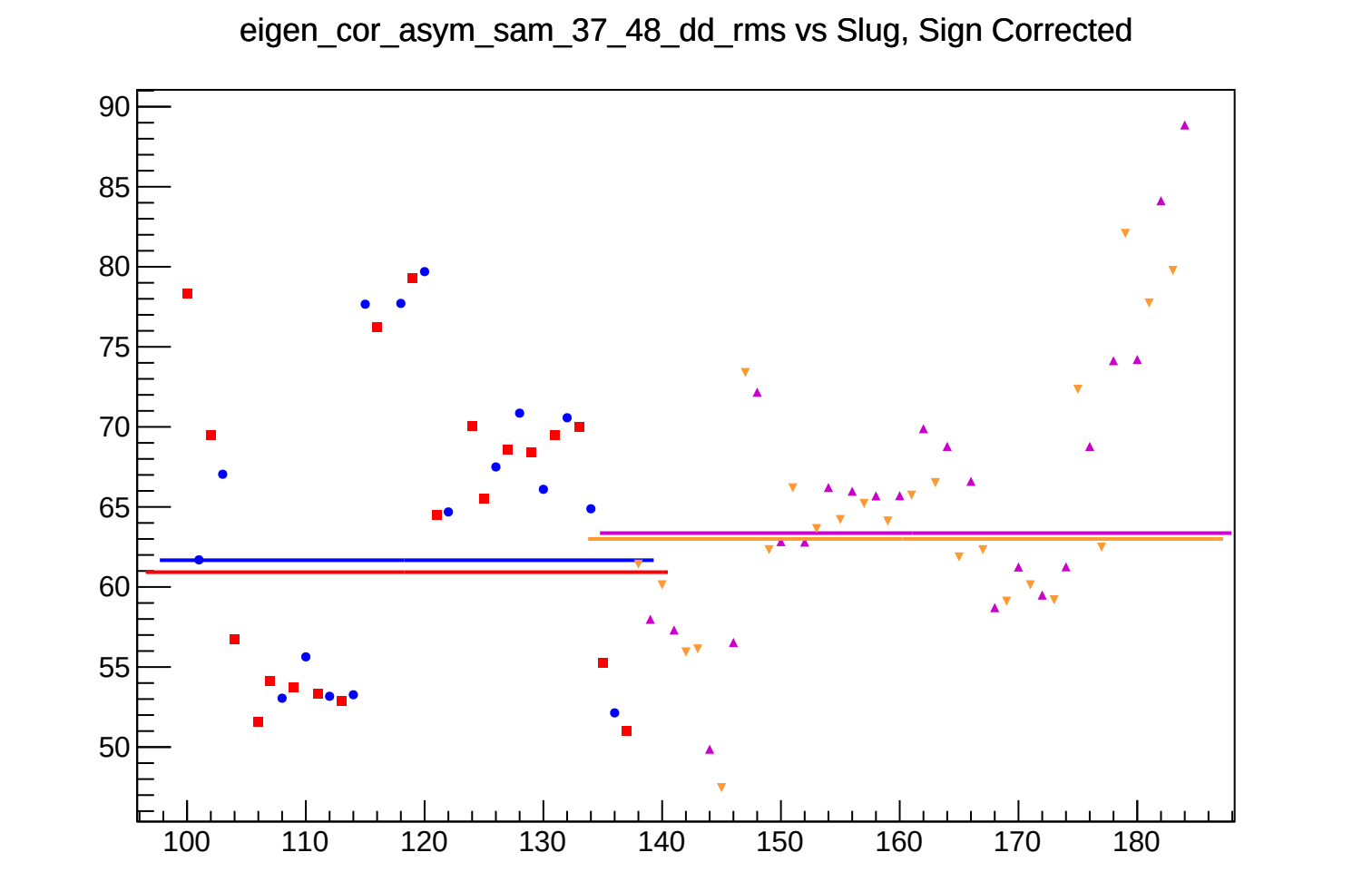
Left: -1.529+/-10.416 χ^2/NDF: 61.6/46

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 20.175+/-12.552 χ^2/NDF:32.5/38

Out: -11.645+/-12.224 χ^2/NDF:52.2/42

All: 3.844+/-8.757 χ^2/NDF: 87.9/81



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 63.002+/-0.010 χ^2/NDF:526418.7/23

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

Left: 63.179+/-0.007 χ^2/NDF: 1023952.7/46

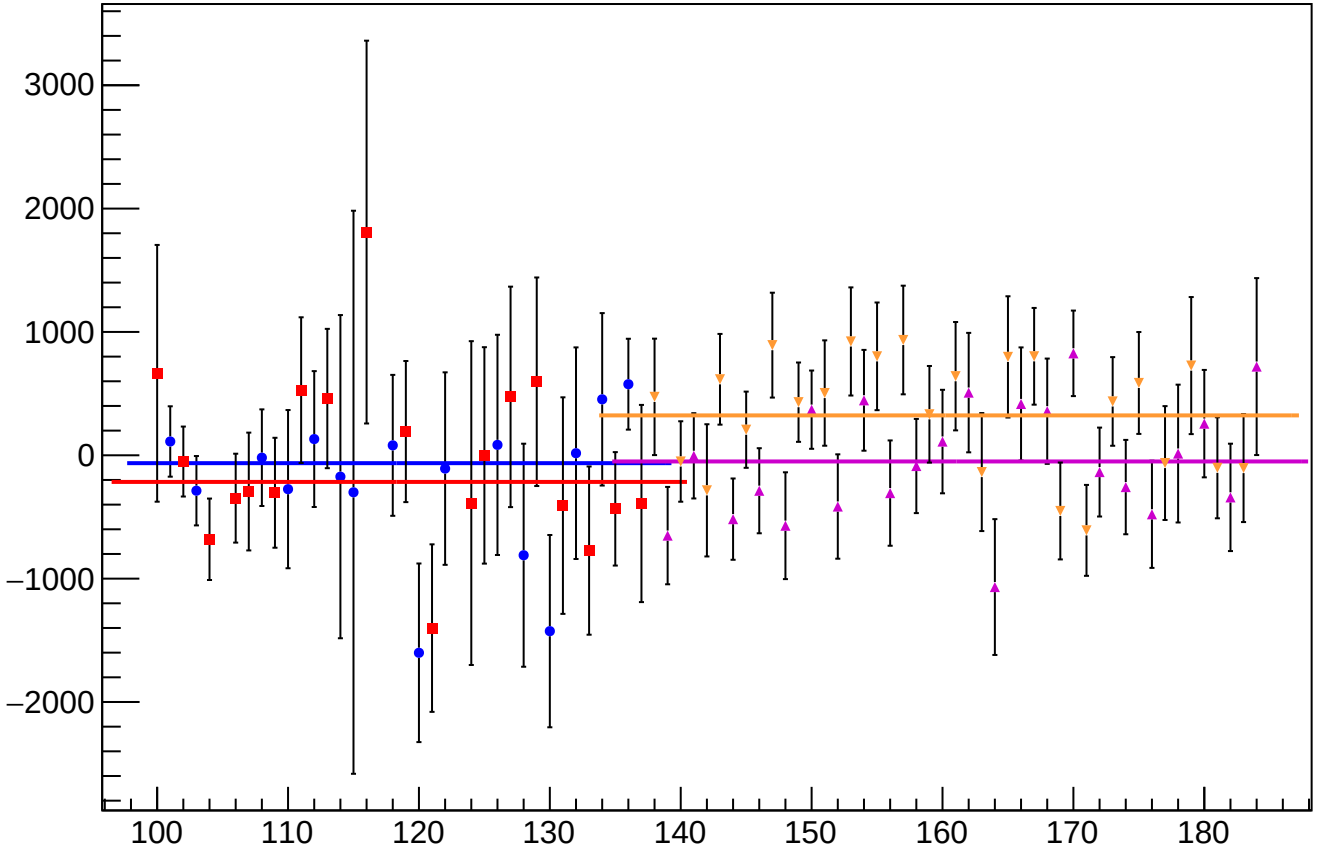
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 62.869+/-0.009 χ^2/NDF:771570.6/38

Out: 62.394+/-0.009 χ^2/NDF:825949.4/42

All: 62.625+/-0.006 χ^2/NDF: 1598990.5/81

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 323.402+/-83.096 χ^2/NDF:28.5/23

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 140.560+/-59.364 χ^2/NDF: 65.6/46

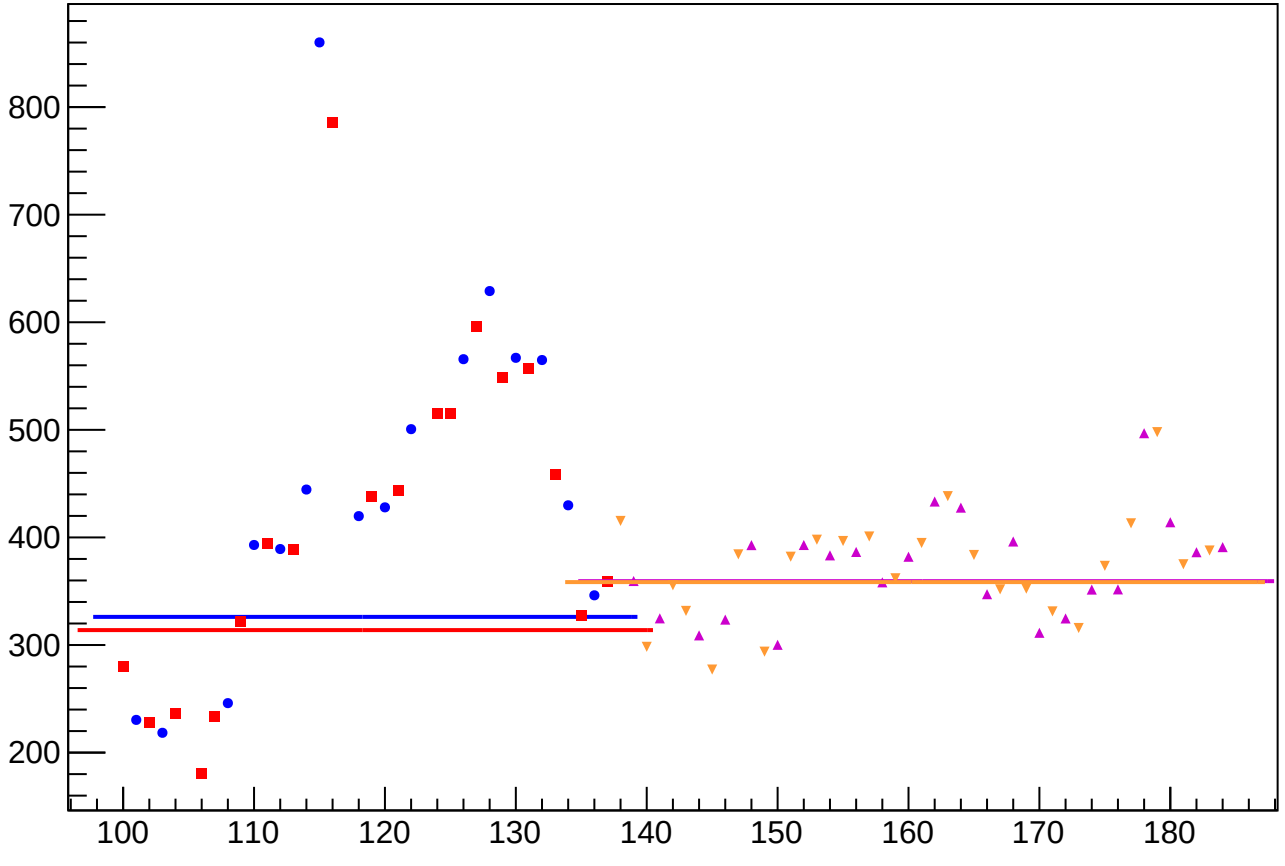
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -54.162+/-70.994 χ^2/NDF:40.5/38

Out: 155.317+/-68.941 χ^2/NDF:55.7/42

All: 53.650+/-49.459 χ^2/NDF: 100.7/81

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: 359.350+/-0.060 χ^2/NDF:519762.7/22

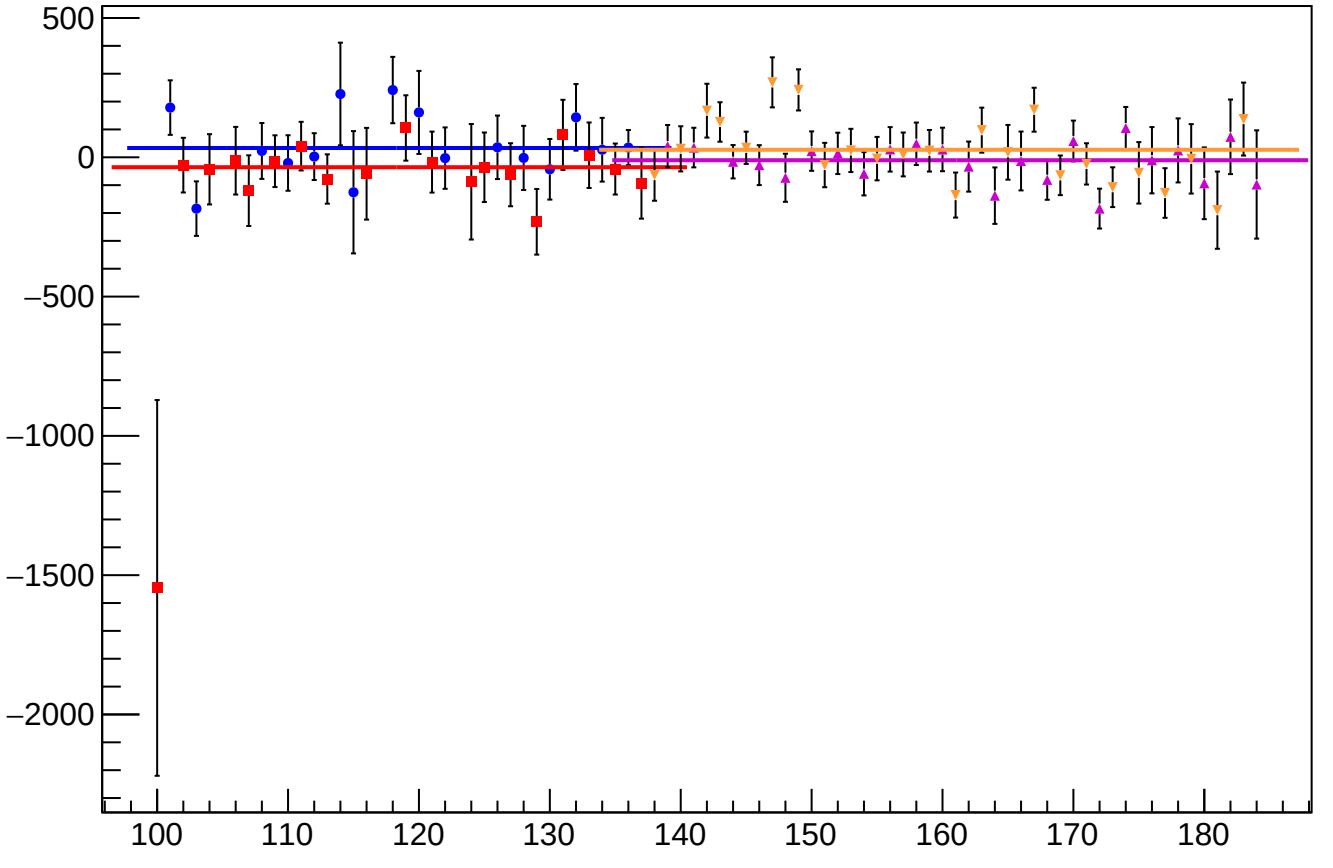
Left: 358.906+/-0.042 χ^2/NDF: 1194372.3/46

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 349.399+/-0.050 χ^2/NDF:2345498.9/38

Out: 344.574+/-0.049 χ^2/NDF:2660005.7/42

All: 346.916+/-0.035 χ^2/NDF: 5010259.1/81



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: -10.521+/-17.225 χ^2/NDF:16.1/22

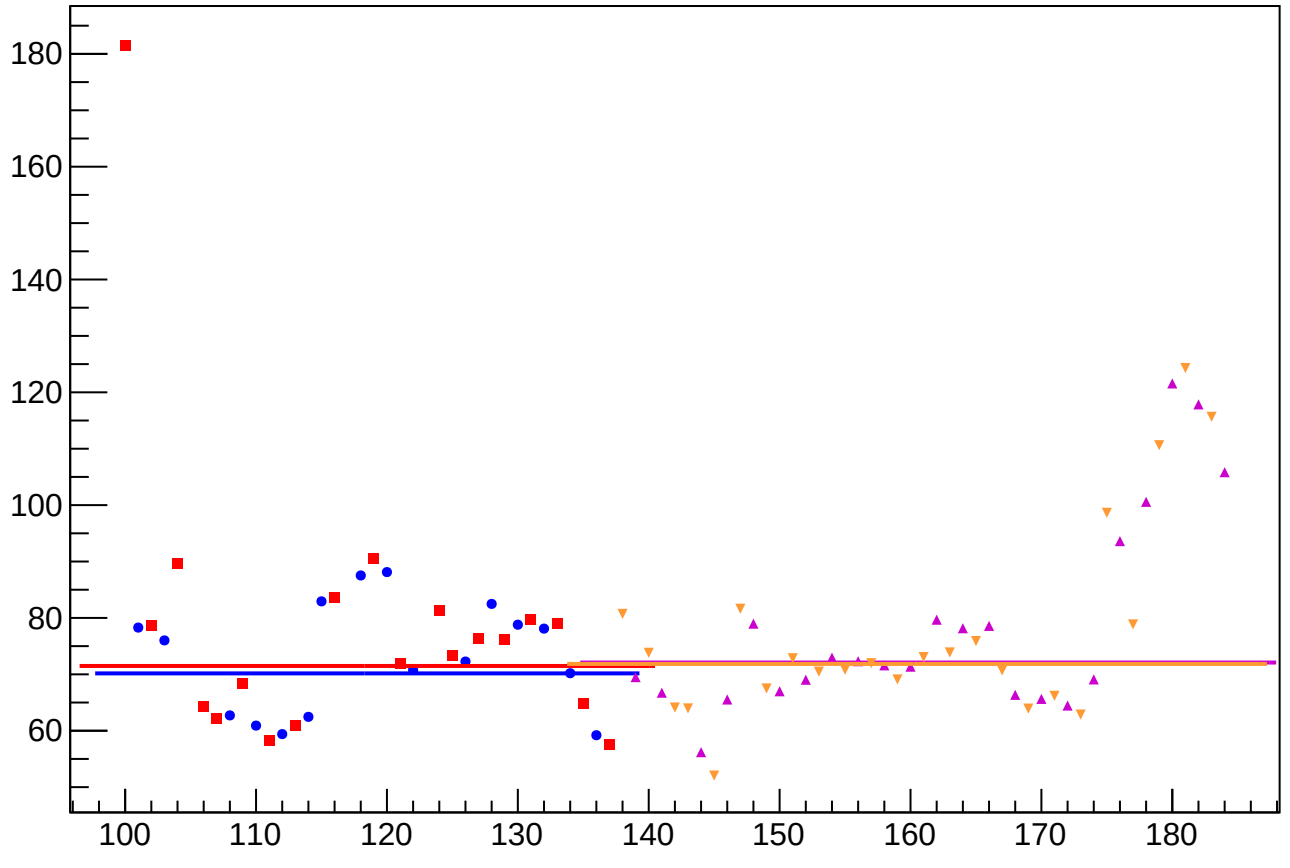
Left: 8.674+/-12.029 χ^2/NDF: 60.6/46

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 2.583+/-14.428 χ^2/NDF:32.6/38

Out: 9.049+/-14.198 χ^2/NDF:58.2/42

All: 5.868+/-10.120 χ^2/NDF: 90.9/81



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: 72.092+/-0.012 χ^2/NDF:1058857.2/22

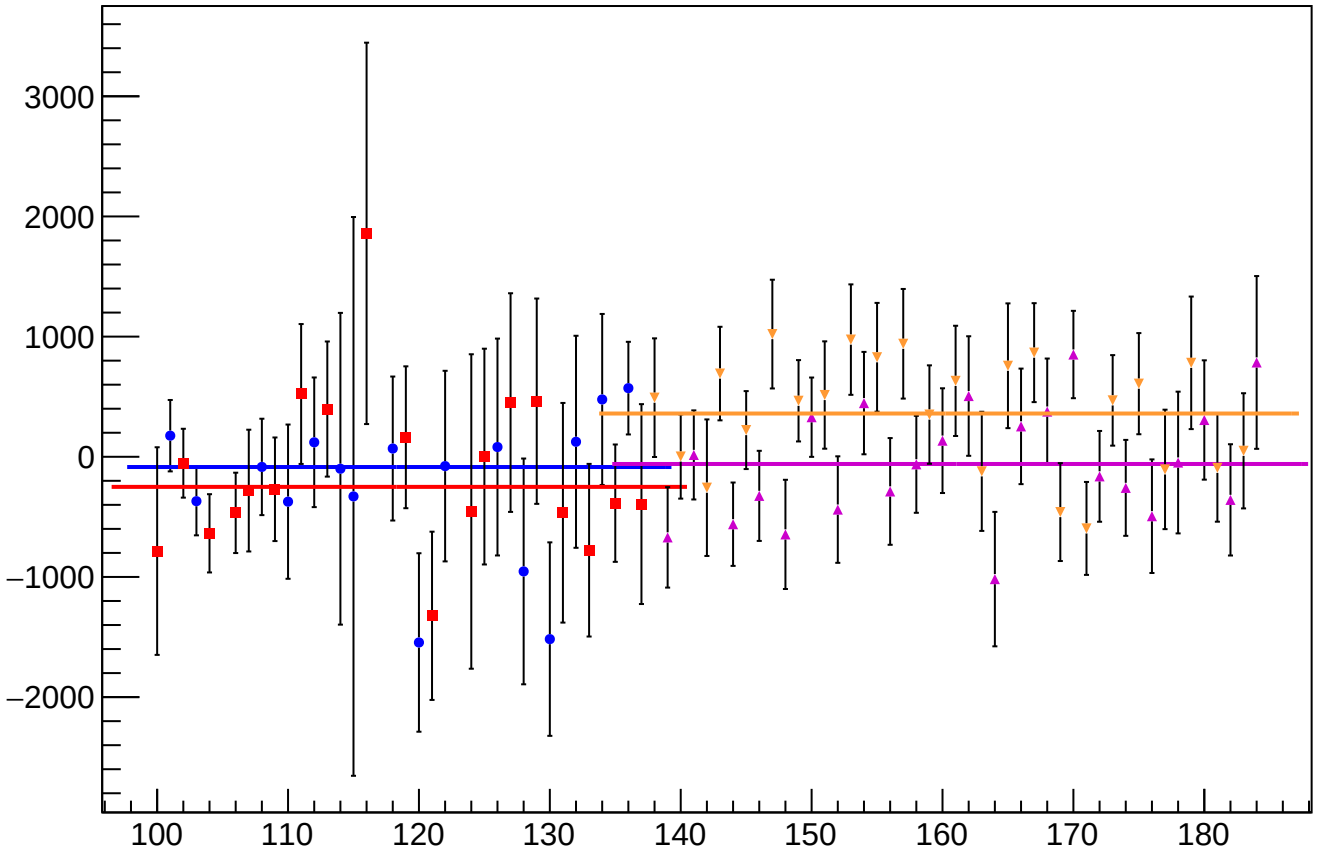
Left: 71.965+/-0.009 χ^2/NDF: 2292443.9/46

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 71.518+/-0.010 χ^2/NDF:1335558.6/38

Out: 71.740+/-0.010 χ^2/NDF:1559352.2/42

All: 71.631+/-0.007 χ^2/NDF: 2895152.6/81



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: -59.908+/-89.411 χ^2/NDF:25.8/22

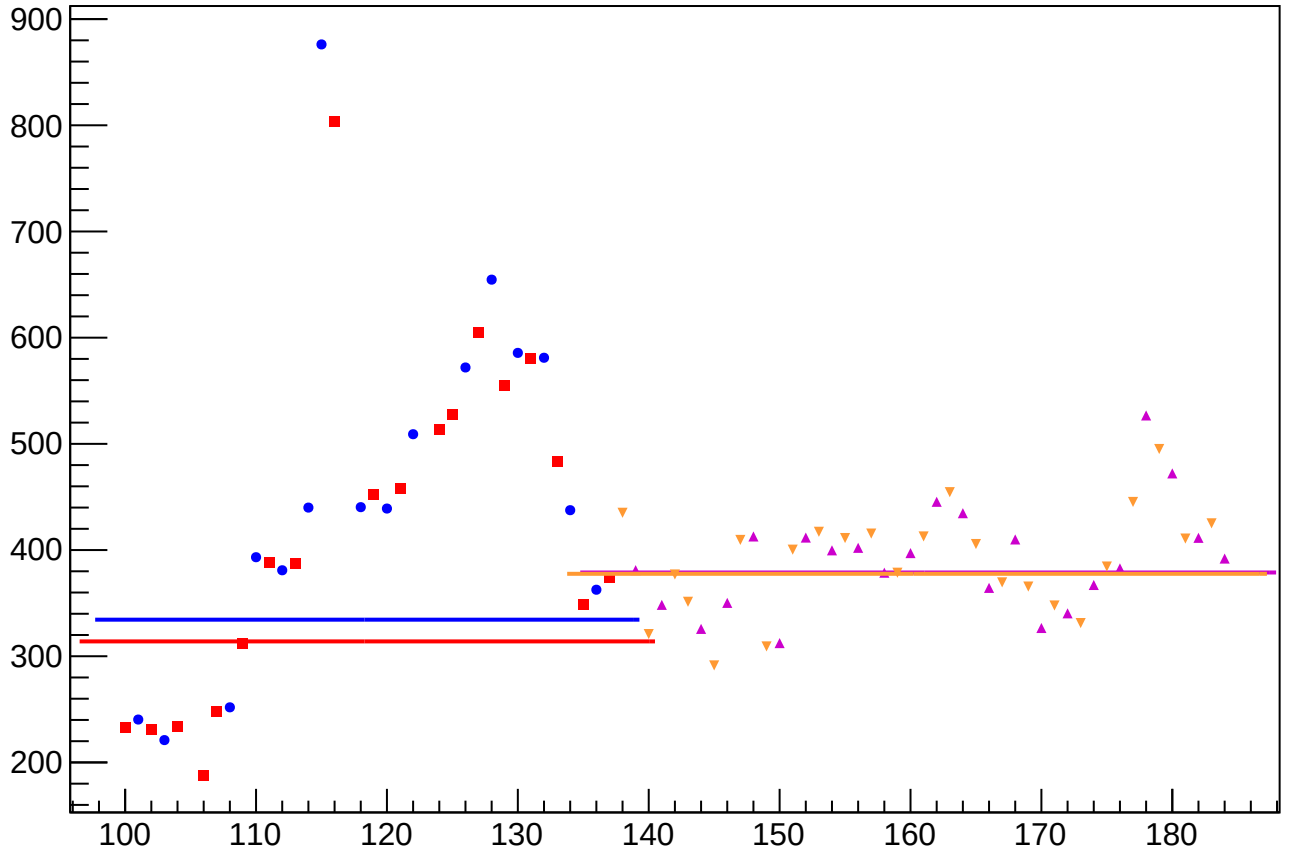
Left: 154.874+/-62.494 χ^2/NDF: 64.1/46

Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -67.786+/-74.181 χ^2/NDF:39.6/38

Out: 155.927+/-71.295 χ^2/NDF:55.7/42

All: 48.508+/-51.403 χ^2/NDF: 100.0/81



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: 378.869+/-0.063 χ^2/NDF:527685.1/22

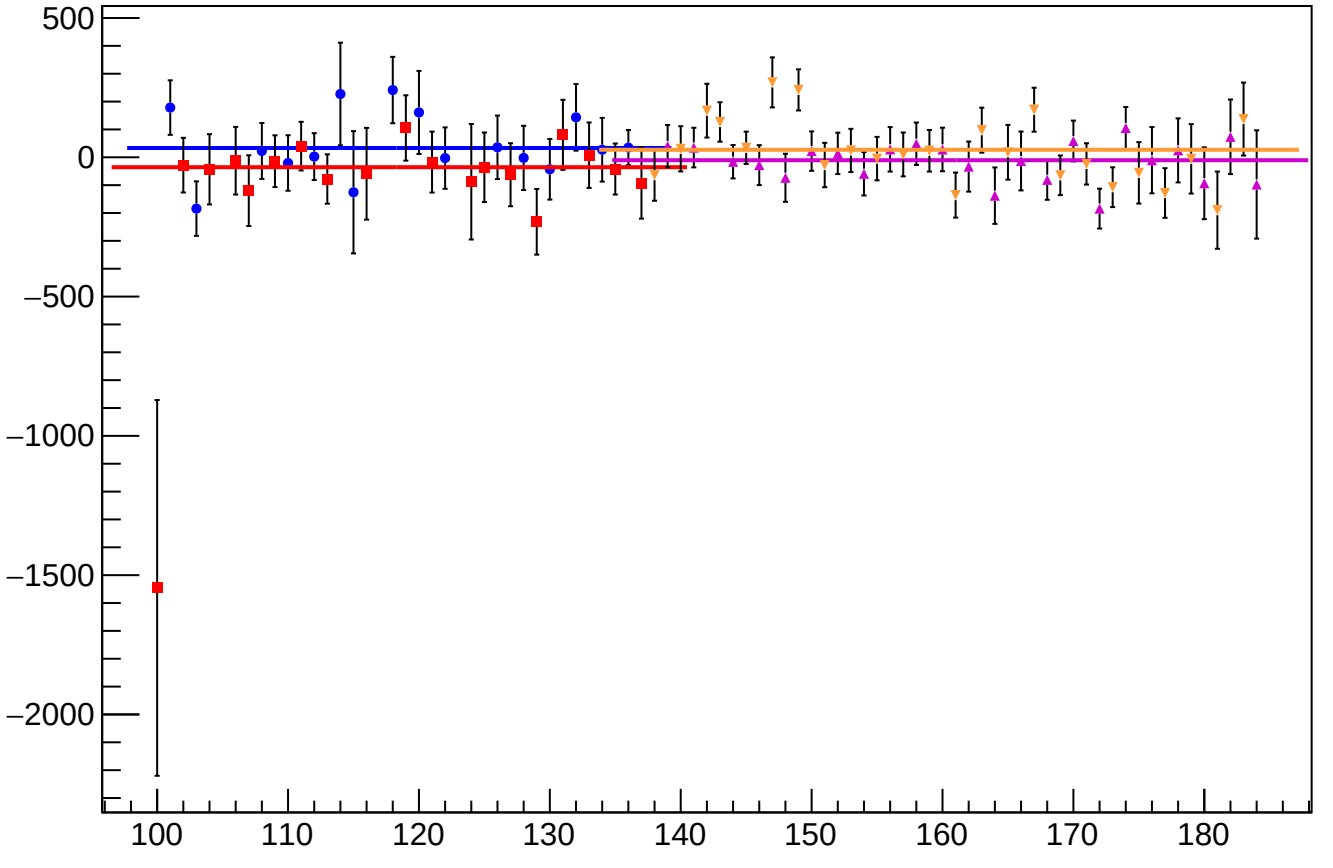
Left: 378.234+/-0.044 χ^2/NDF: 1164015.7/46

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 365.019+/-0.052 χ^2/NDF:2412269.2/38

Out: 356.346+/-0.050 χ^2/NDF:2895589.3/42

All: 360.511+/-0.036 χ^2/NDF: 5322072.5/81



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: -10.521+/-17.225 χ^2/NDF:16.1/22

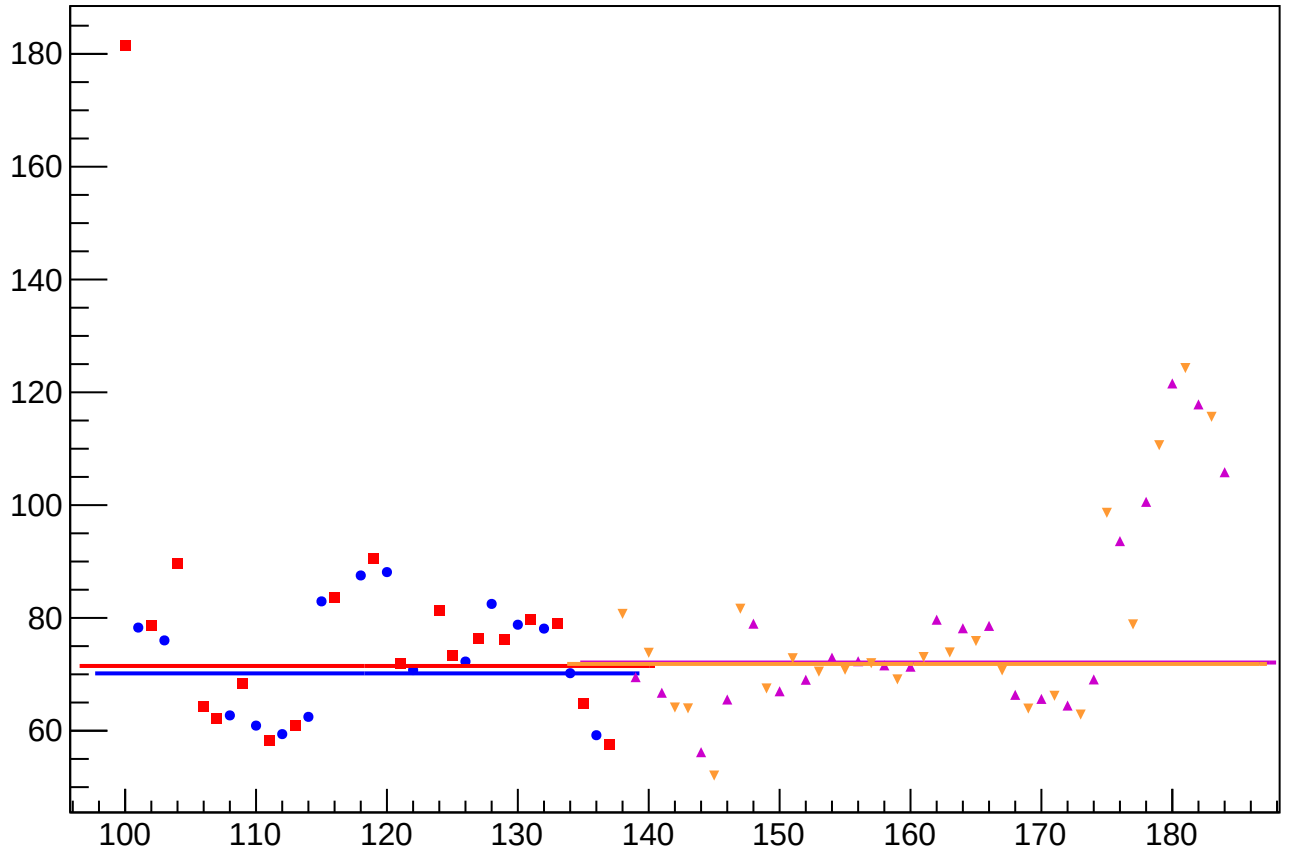
Left: 8.674+/-12.029 χ^2/NDF: 60.6/46

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 2.582+/-14.428 χ^2/NDF:32.6/38

Out: 9.048+/-14.198 χ^2/NDF:58.2/42

All: 5.867+/-10.120 χ^2/NDF: 90.9/81



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: 72.092+/-0.012 χ^2/NDF:1058847.4/22

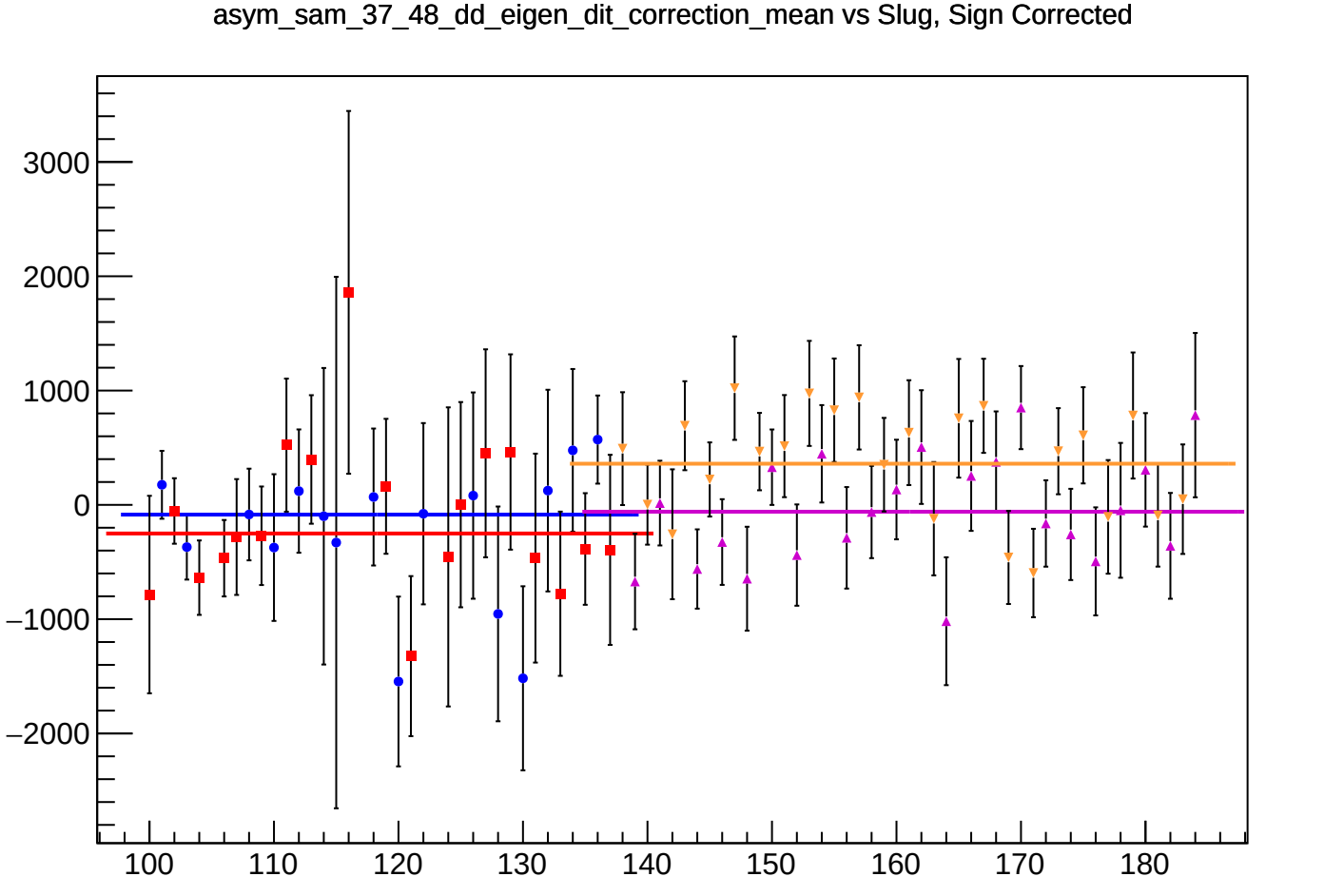
Left: 71.965+/-0.009 χ^2/NDF: 2292442.3/46

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

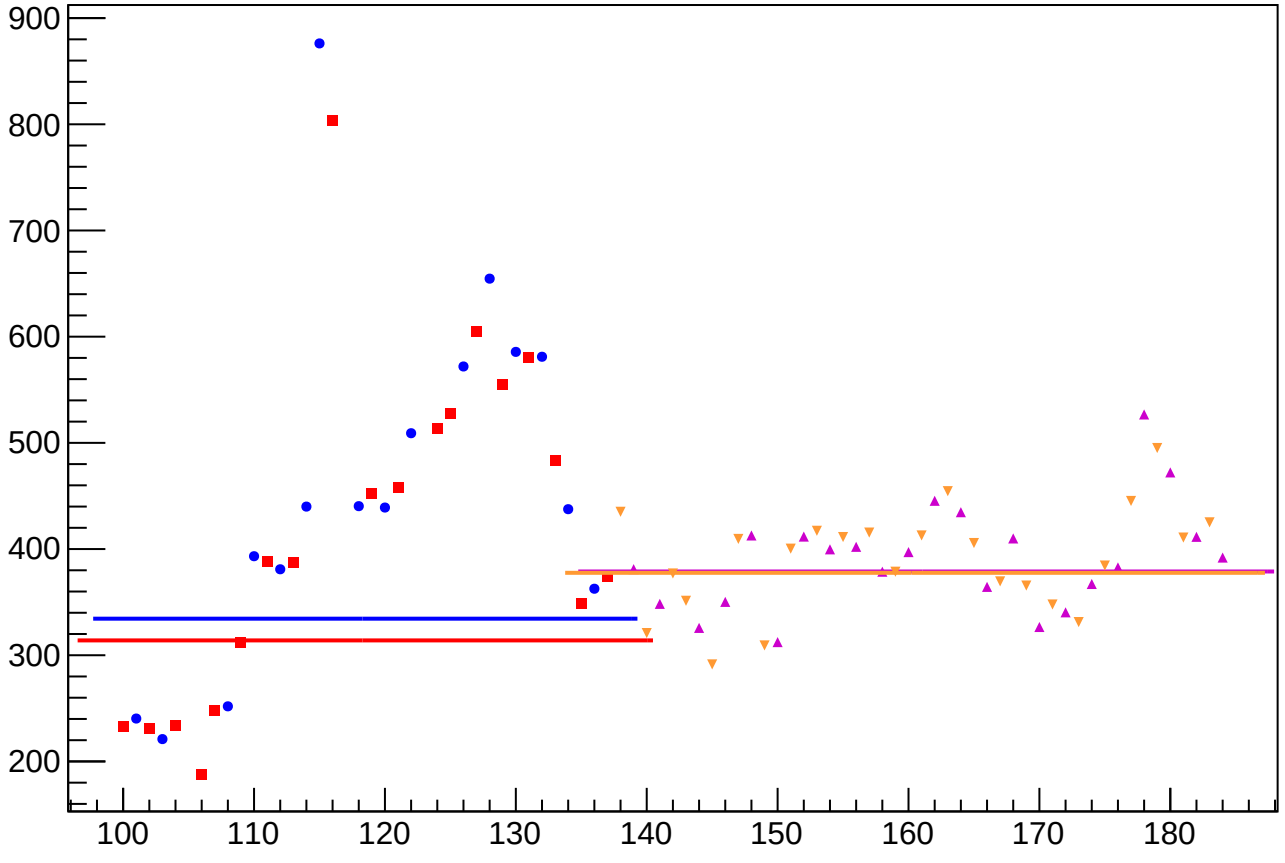
In: 71.518+/-0.010 χ^2/NDF:1335550.7/38

Out: 71.740+/-0.010 χ^2/NDF:1559366.6/42

All: 71.631+/-0.007 χ^2/NDF: 2895159.2/81


asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: -85.185+/-132.877 χ²/NDF: 13.7/15
Left Out: 360.021+/-87.383 χ²/NDF:26.9/23
Right Out: -250.440+/-123.302 χ²/NDF: 12.5/18
Left In: -59.907+/-89.411 χ²/NDF:25.8/22
Left: 154.874+/-62.494 χ²/NDF: 64.1/46
Right: -173.981+/-90.383 χ²/NDF: 27.0/34
In: -67.786+/-74.181 χ²/NDF:39.6/38
Out: 155.926+/-71.295 χ²/NDF:55.7/42
All: 48.507+/-51.403 χ²/NDF: 100.0/81

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 377.628+/-0.062 χ^2/NDF:636133.6/23

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

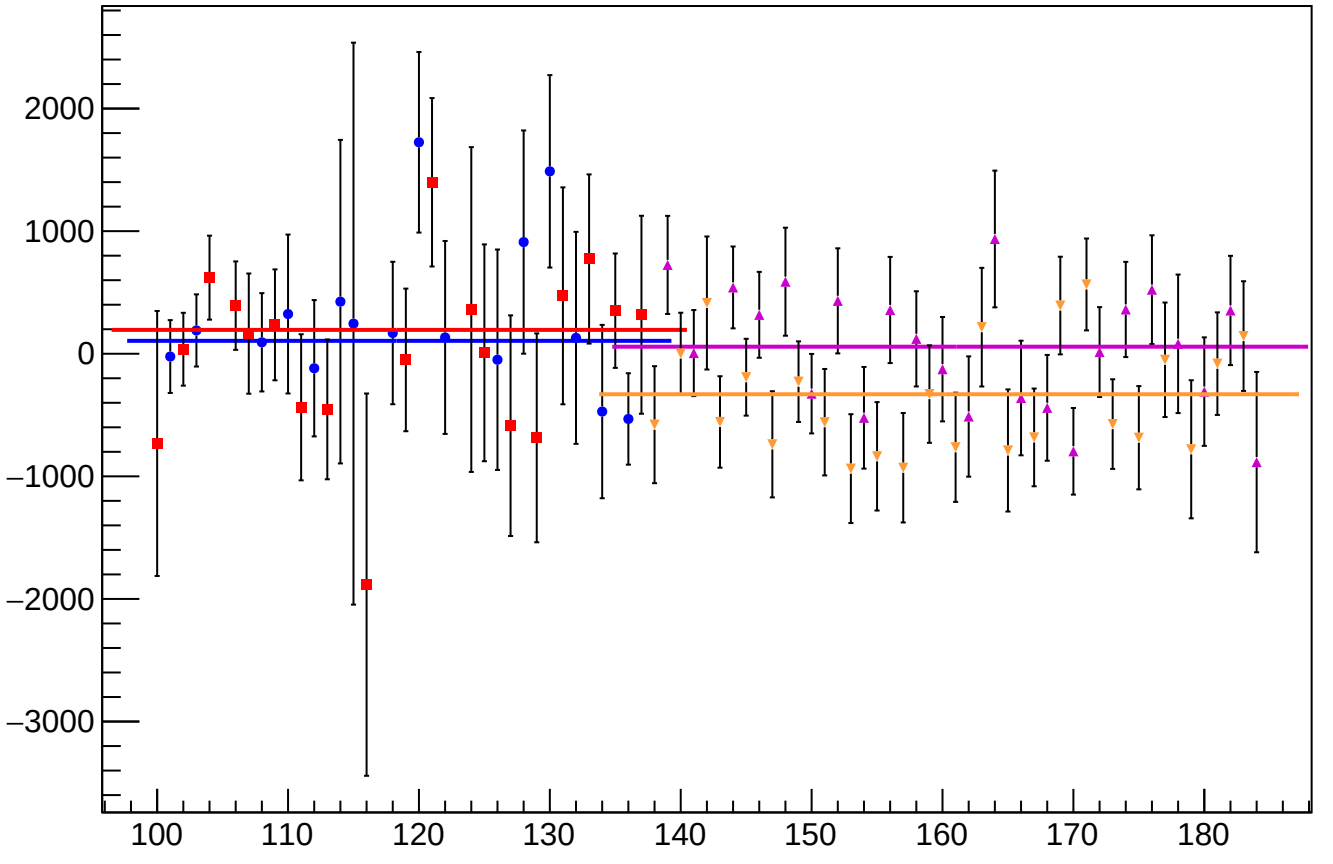
Left: 378.234+/-0.044 χ^2/NDF: 1164011.5/46

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 365.019+/-0.052 χ^2/NDF:2412260.7/38

Out: 356.345+/-0.050 χ^2/NDF:2895584.2/42

All: 360.510+/-0.036 χ^2/NDF: 5322059.3/81



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: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -140.408+/-60.332 χ^2/NDF: 64.8/46

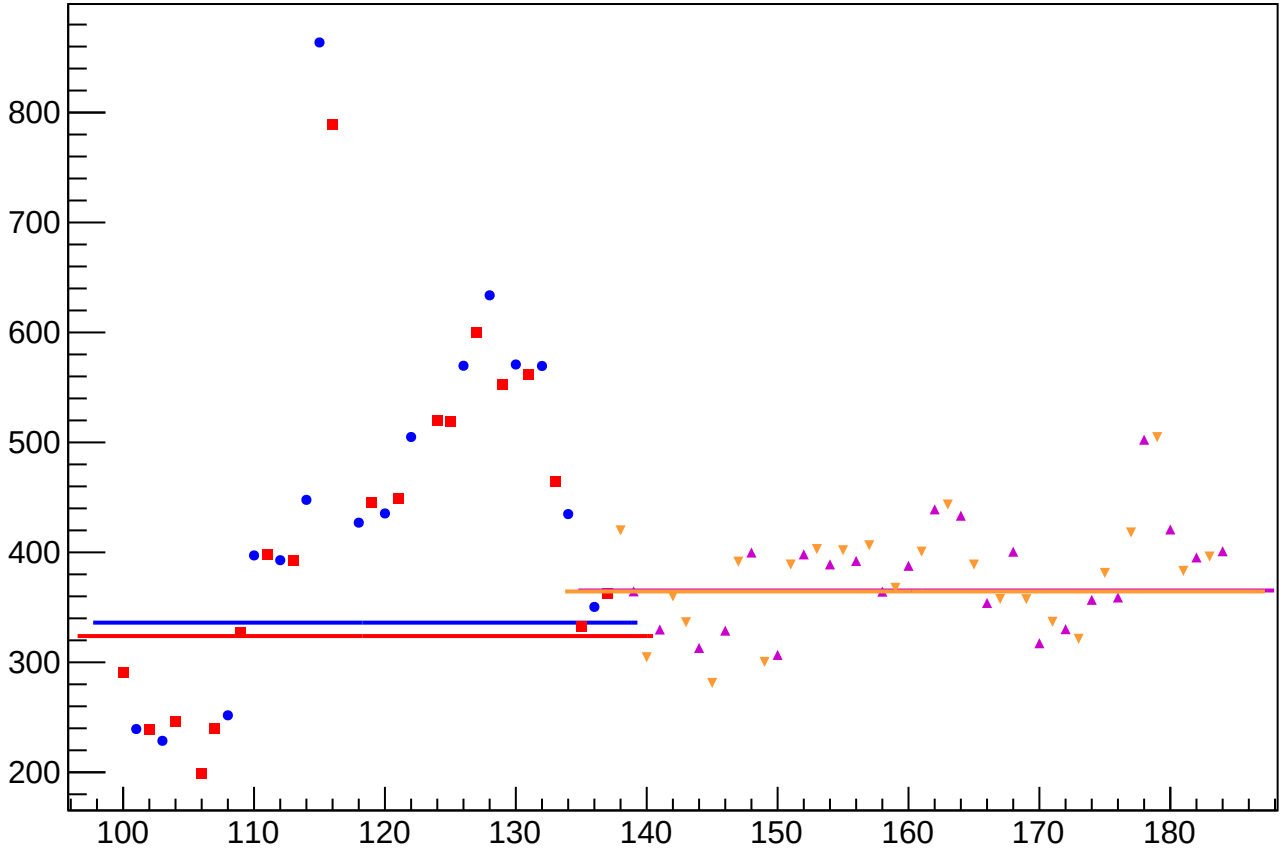
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 71.695+/-72.358 χ^2/NDF:41.0/38

Out: -167.910+/-70.184 χ^2/NDF:51.5/42

All: -51.760+/-50.379 χ^2/NDF: 98.2/81

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: 365.324+/-0.061 χ^2/NDF:509496.4/22

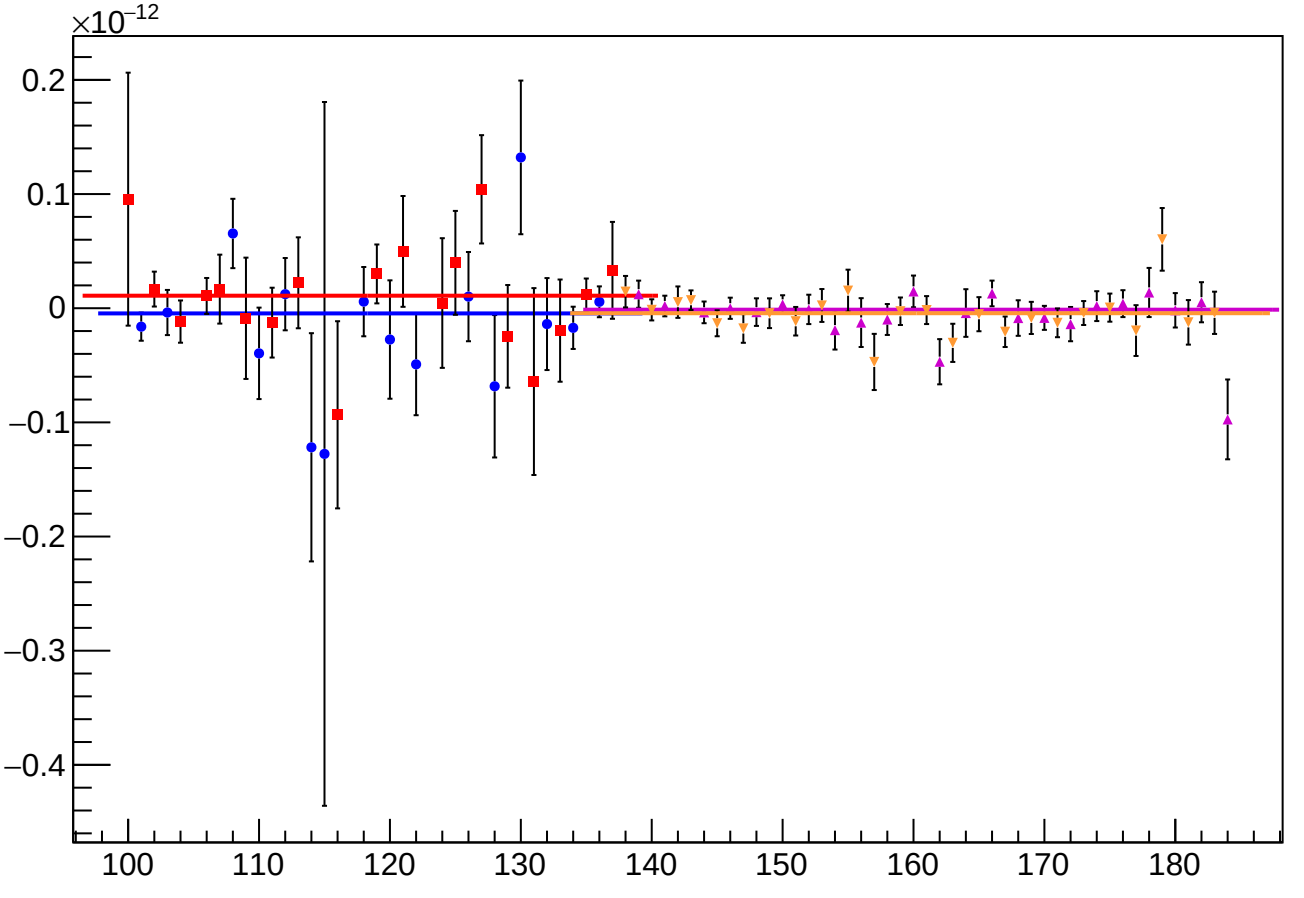
Left: 364.883+/-0.043 χ^2/NDF: 1169923.2/46

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 356.678+/-0.051 χ^2/NDF:2196484.6/38

Out: 351.911+/-0.050 χ^2/NDF:2468548.9/42

All: 354.222+/-0.036 χ^2/NDF: 4669505.7/81



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:21.7/22

Left: -0.000+/-0.000 χ^2/NDF: 43.9/46

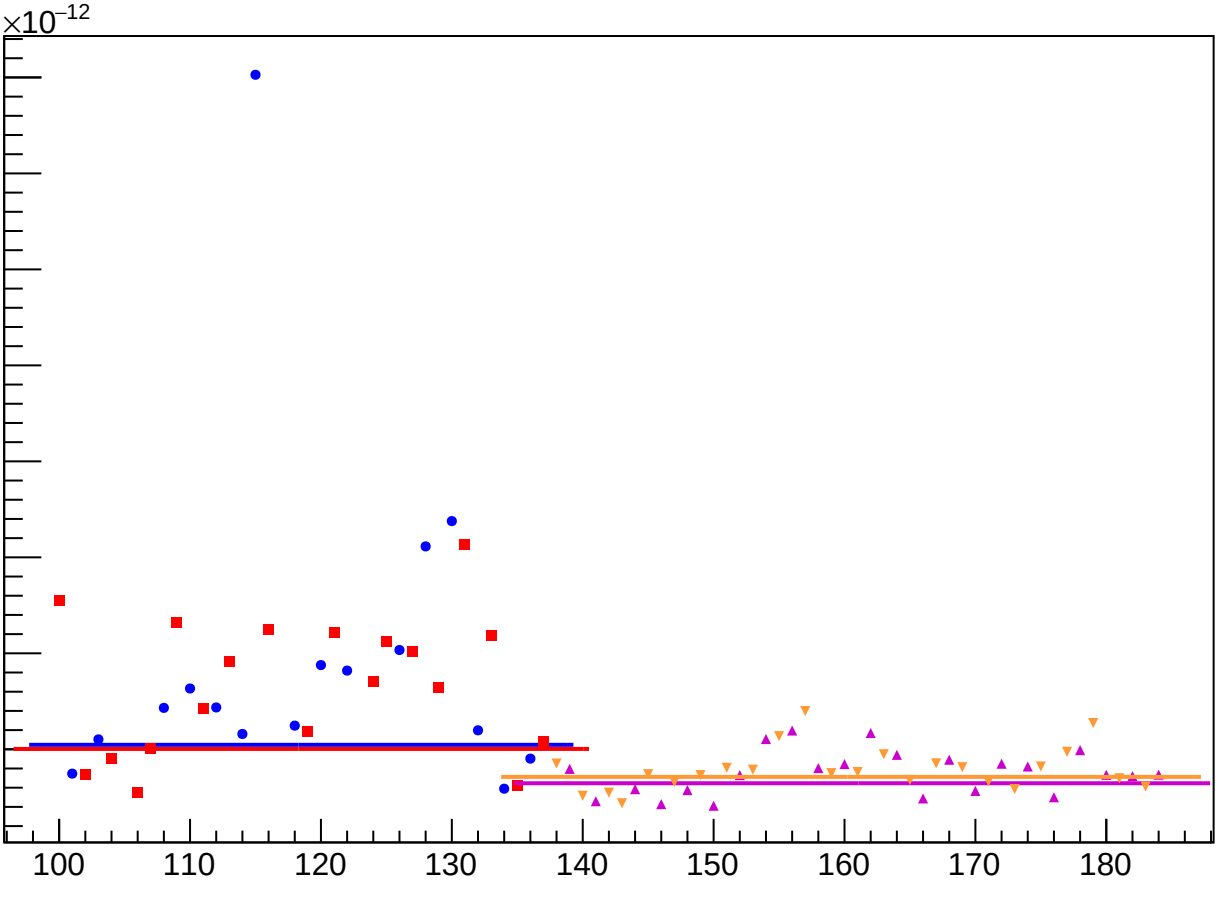
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:38.4/38

Out: -0.000+/-0.000 χ^2/NDF:38.7/42

All: -0.000+/-0.000 χ^2/NDF: 77.2/81

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:1216388.8/22

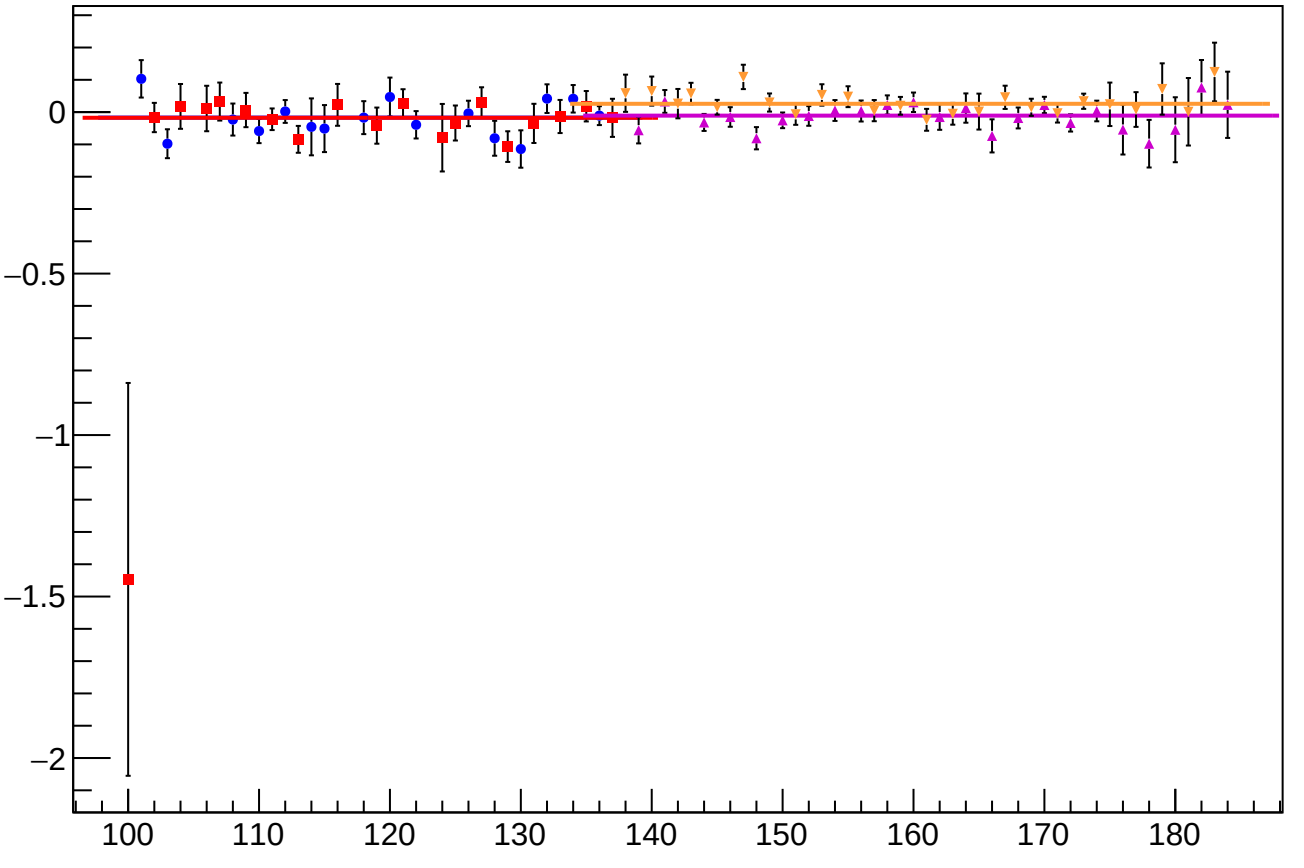
Left: 0.000+/-0.000 χ^2/NDF: 2149097.6/46

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:3059163.1/38

Out: 0.000+/-0.000 χ^2/NDF:2637530.0/42

All: 0.000+/-0.000 χ^2/NDF: 5740963.2/81



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:19.0/22

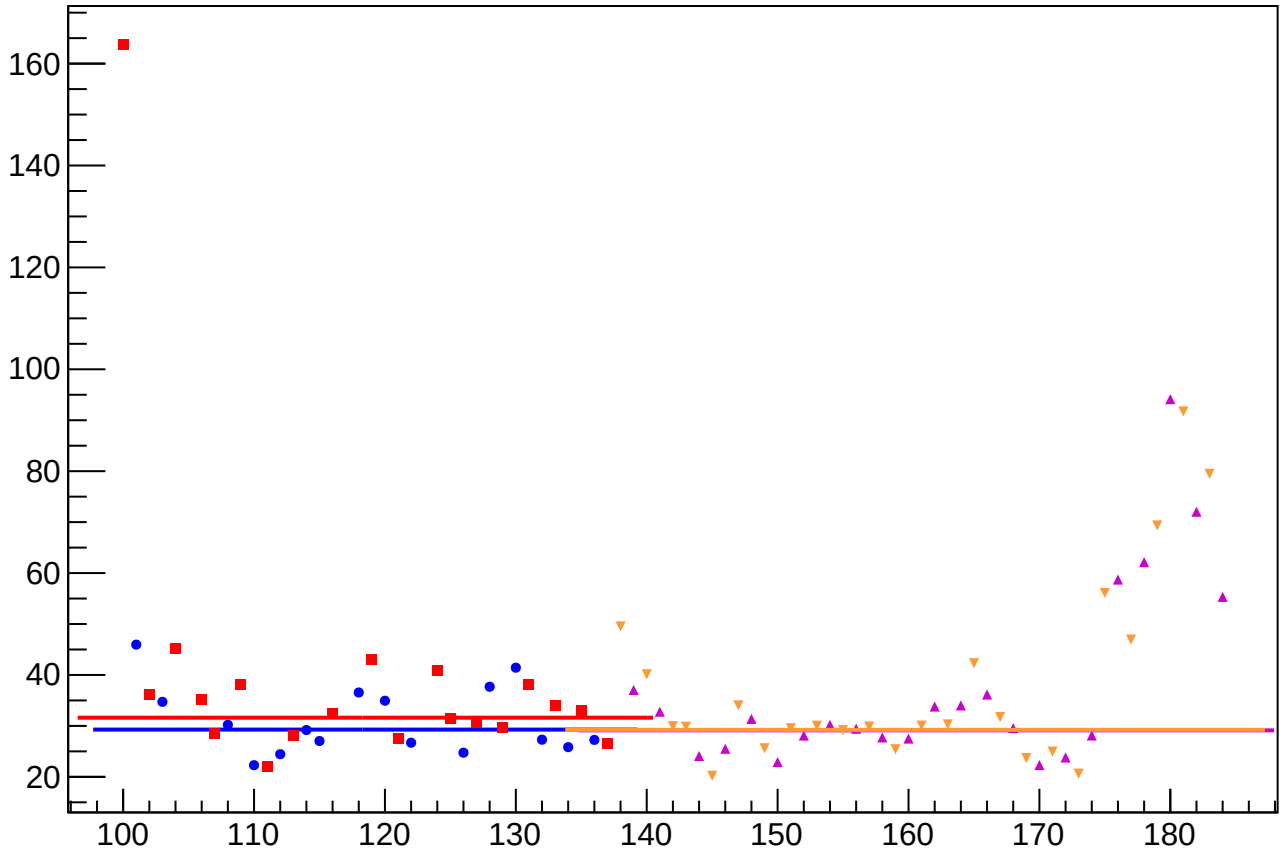
Left: 0.008+/-0.005 χ^2/NDF: 48.0/46

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:38.0/38

Out: 0.014+/-0.006 χ^2/NDF:42.5/42

All: 0.001+/-0.004 χ^2/NDF: 90.2/81



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: 29.125+/-0.005 χ^2/NDF:2839115.6/22

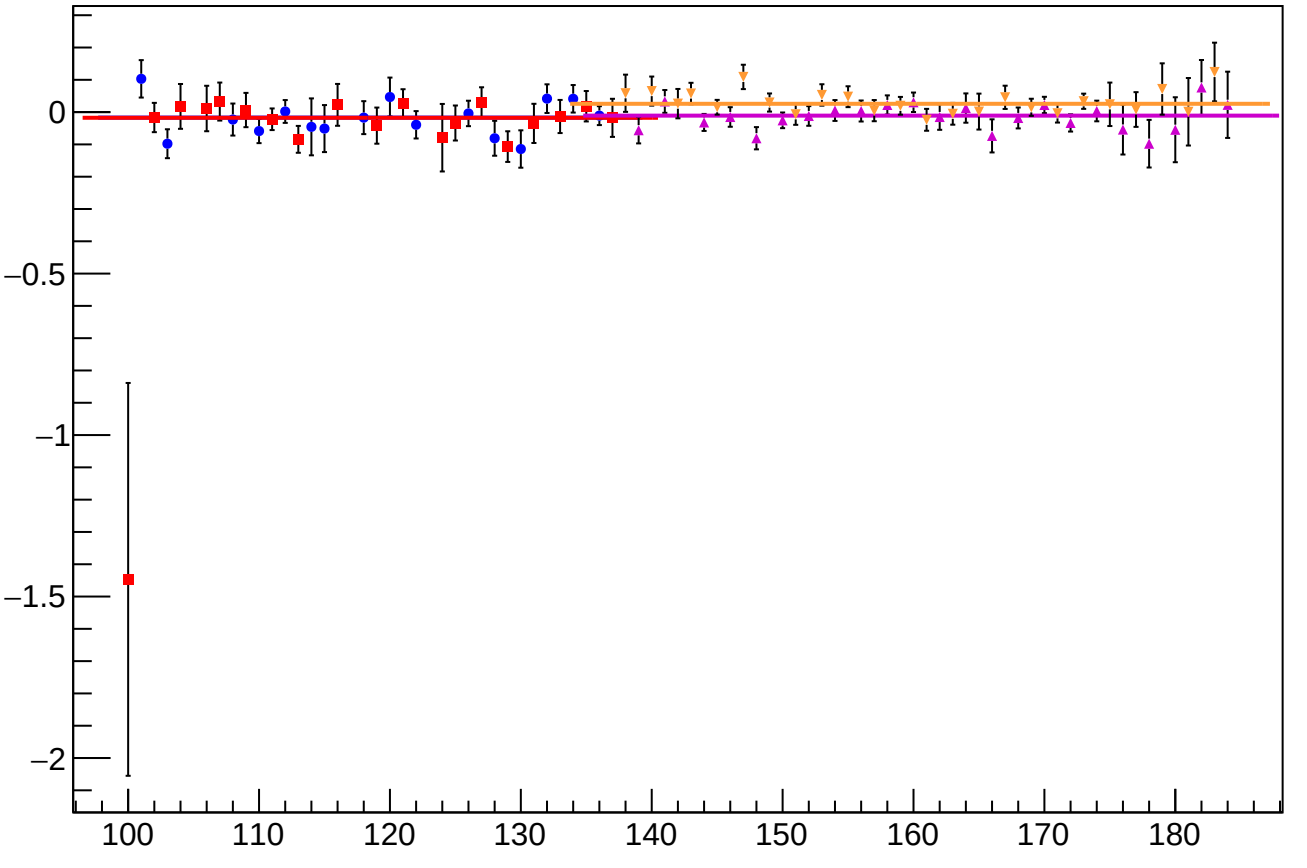
Left: 29.176+/-0.004 χ^2/NDF: 6517953.6/46

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.170+/-0.004 χ^2/NDF:3400030.8/38

Out: 29.849+/-0.004 χ^2/NDF:4308358.3/42

All: 29.507+/-0.003 χ^2/NDF: 7720560.9/81



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:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 48.0/46

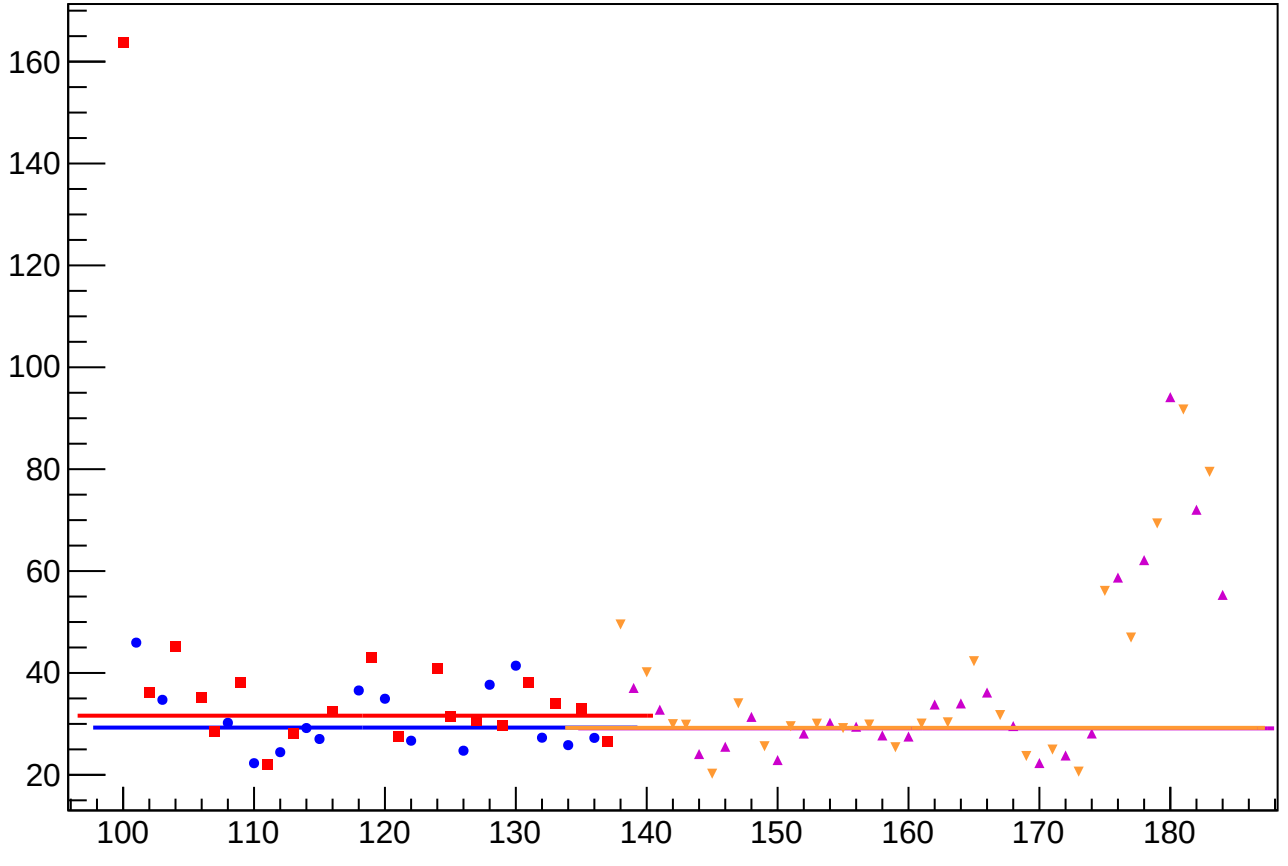
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:38.0/38

Out: 0.014+/-0.006 χ^2/NDF:42.5/42

All: 0.001+/-0.004 χ^2/NDF: 90.2/81

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: 29.125+/-0.005 χ^2/NDF:2839115.6/22

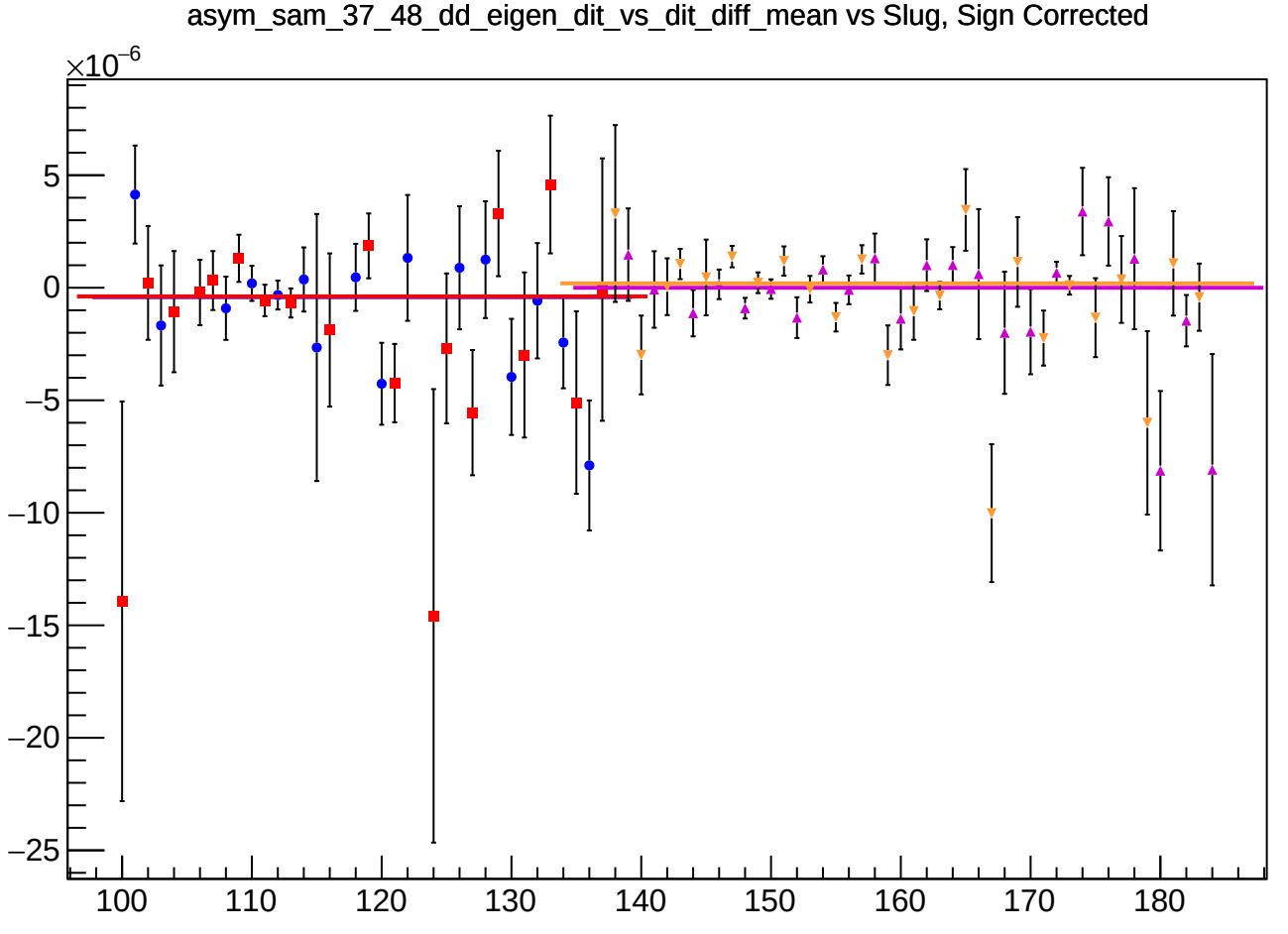
Left: 29.176+/-0.004 χ^2/NDF: 6517953.6/46

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.170+/-0.004 χ^2/NDF:3400030.8/38

Out: 29.849+/-0.004 χ^2/NDF:4308358.3/42

All: 29.507+/-0.003 χ^2/NDF: 7720560.9/81



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:32.9/22

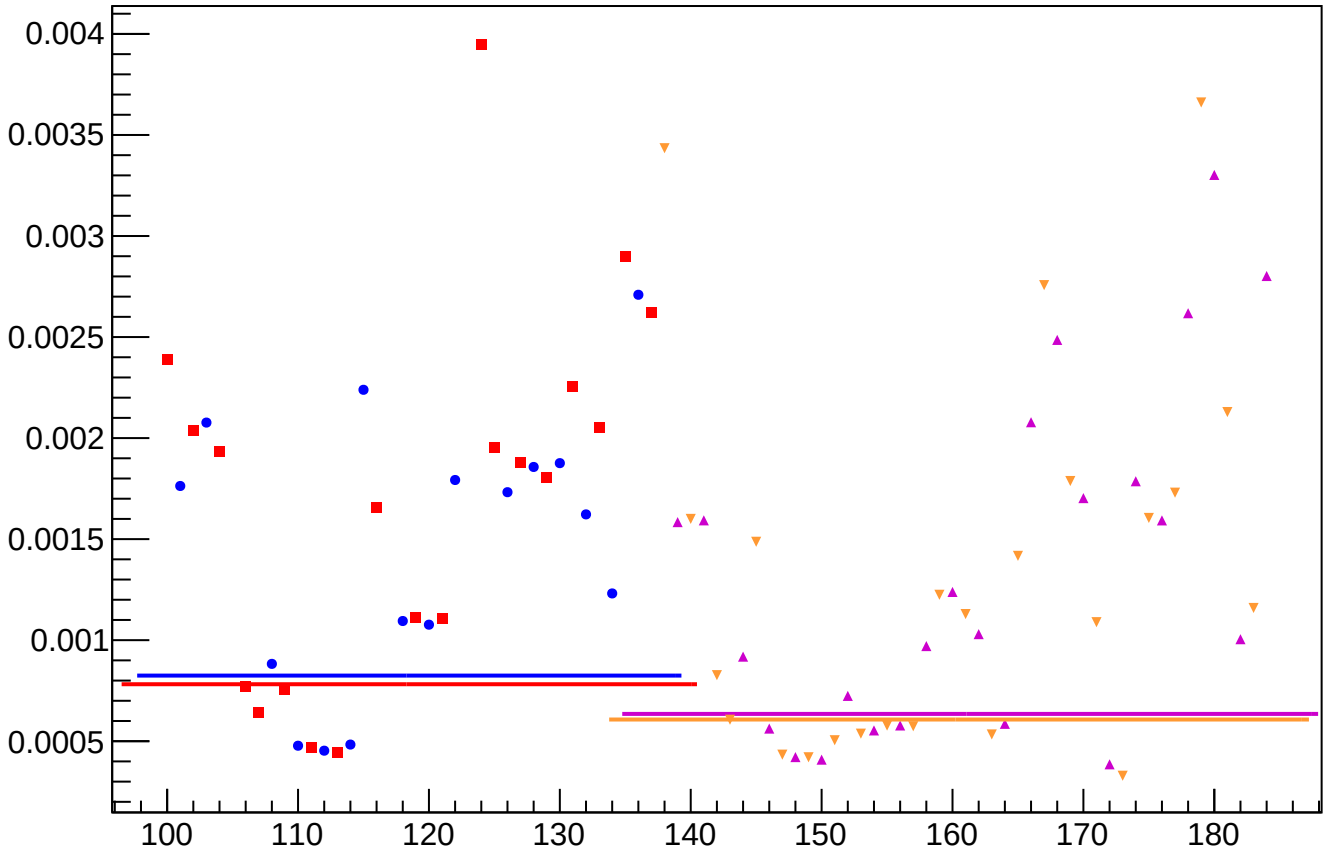
Left: 0.000+/-0.000 χ^2/NDF: 86.0/46

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:55.2/38

Out: 0.000+/-0.000 χ^2/NDF:80.0/42

All: 0.000+/-0.000 χ^2/NDF: 135.7/81



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:9376124.7/22

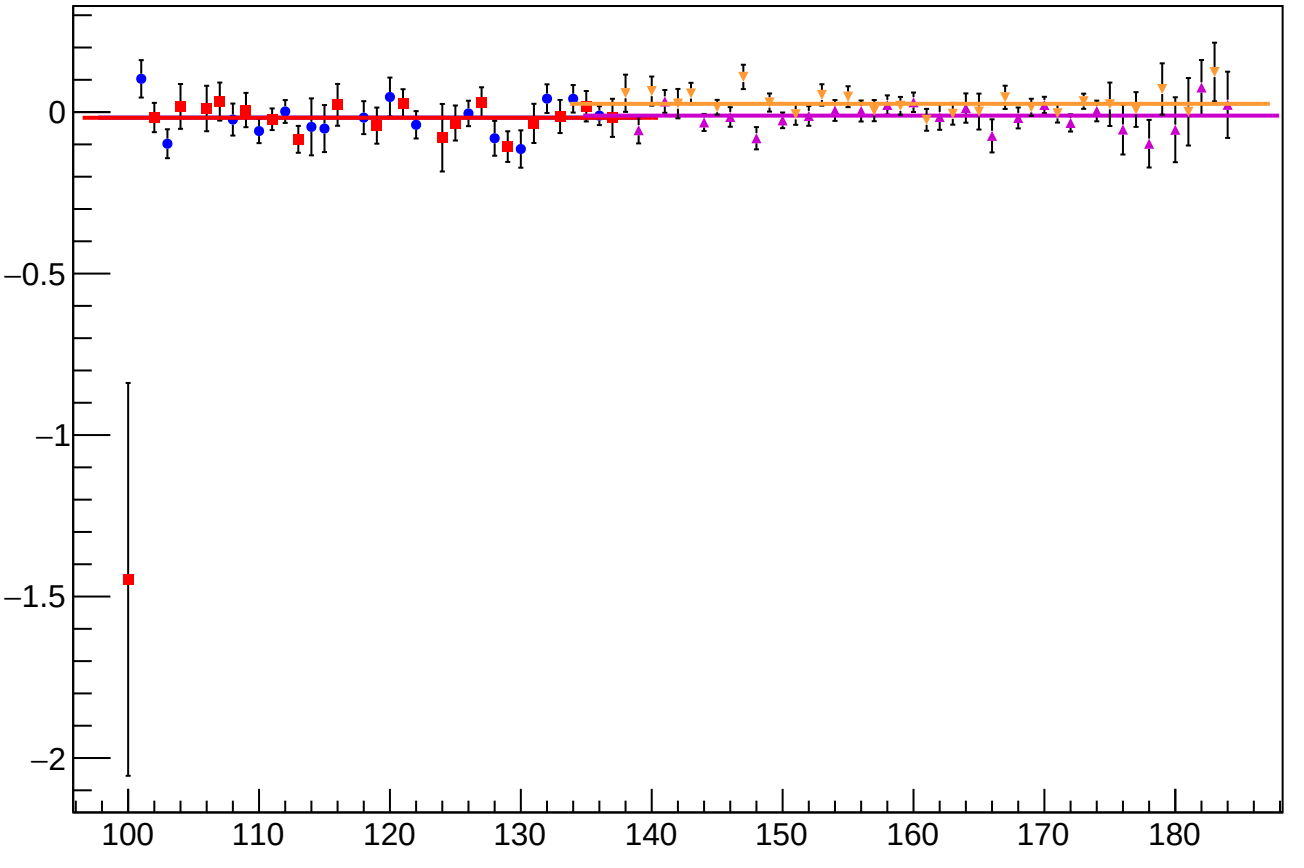
Left: 0.001+/-0.000 χ^2/NDF: 20047408.3/46

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:14247200.7/38

Out: 0.001+/-0.000 χ^2/NDF:15691468.8/42

All: 0.001+/-0.000 χ^2/NDF: 29978461.4/81



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:19.0/22

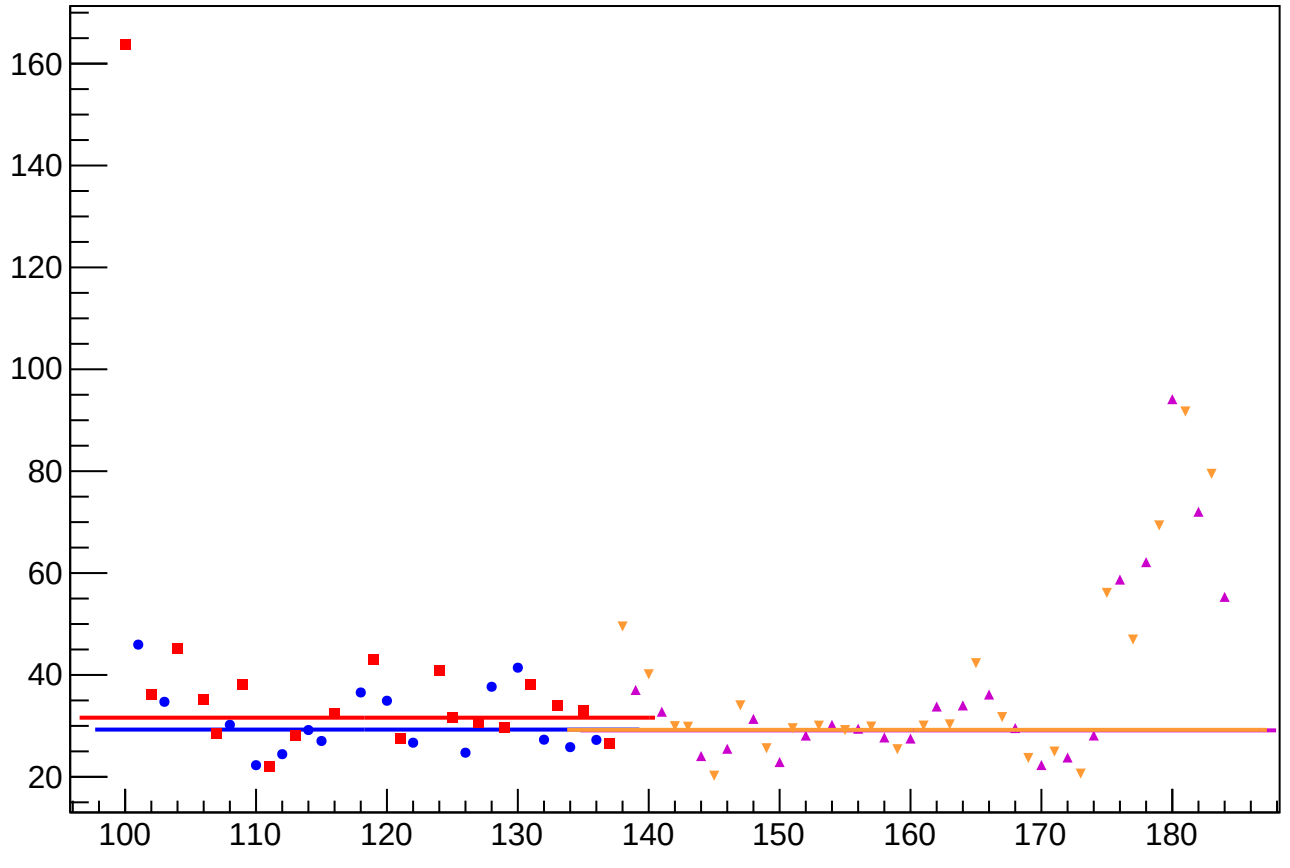
Left: 0.008+/-0.005 χ^2/NDF: 48.0/46

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:38.0/38

Out: 0.014+/-0.006 χ^2/NDF:42.5/42

All: 0.001+/-0.004 χ^2/NDF: 90.2/81



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: 29.124+/-0.005 χ^2/NDF:2839078.4/22

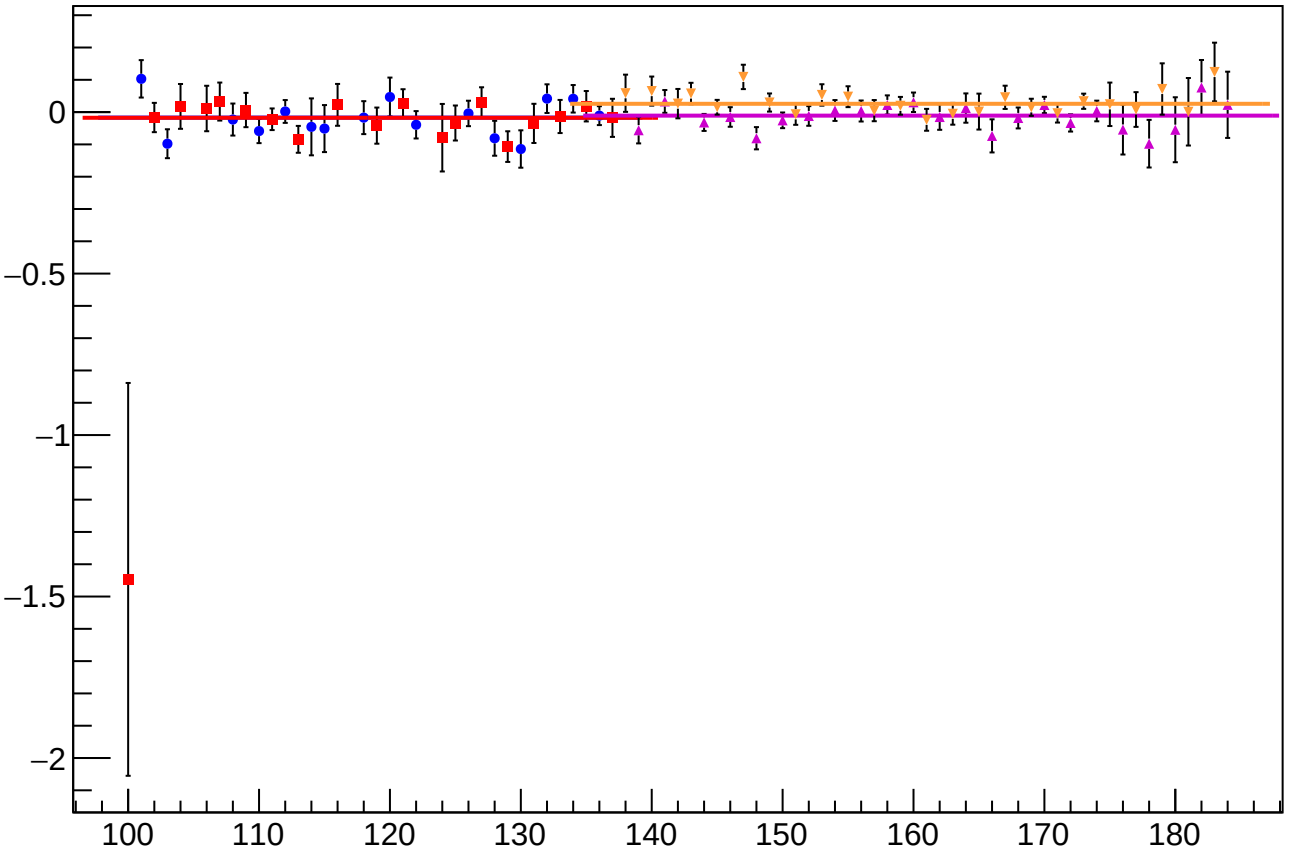
Left: 29.176+/-0.004 χ^2/NDF: 6517981.1/46

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 29.169+/-0.004 χ^2/NDF:3399993.8/38

Out: 29.849+/-0.004 χ^2/NDF:4308442.9/42

All: 29.507+/-0.003 χ^2/NDF: 7720607.9/81



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:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 48.0/46

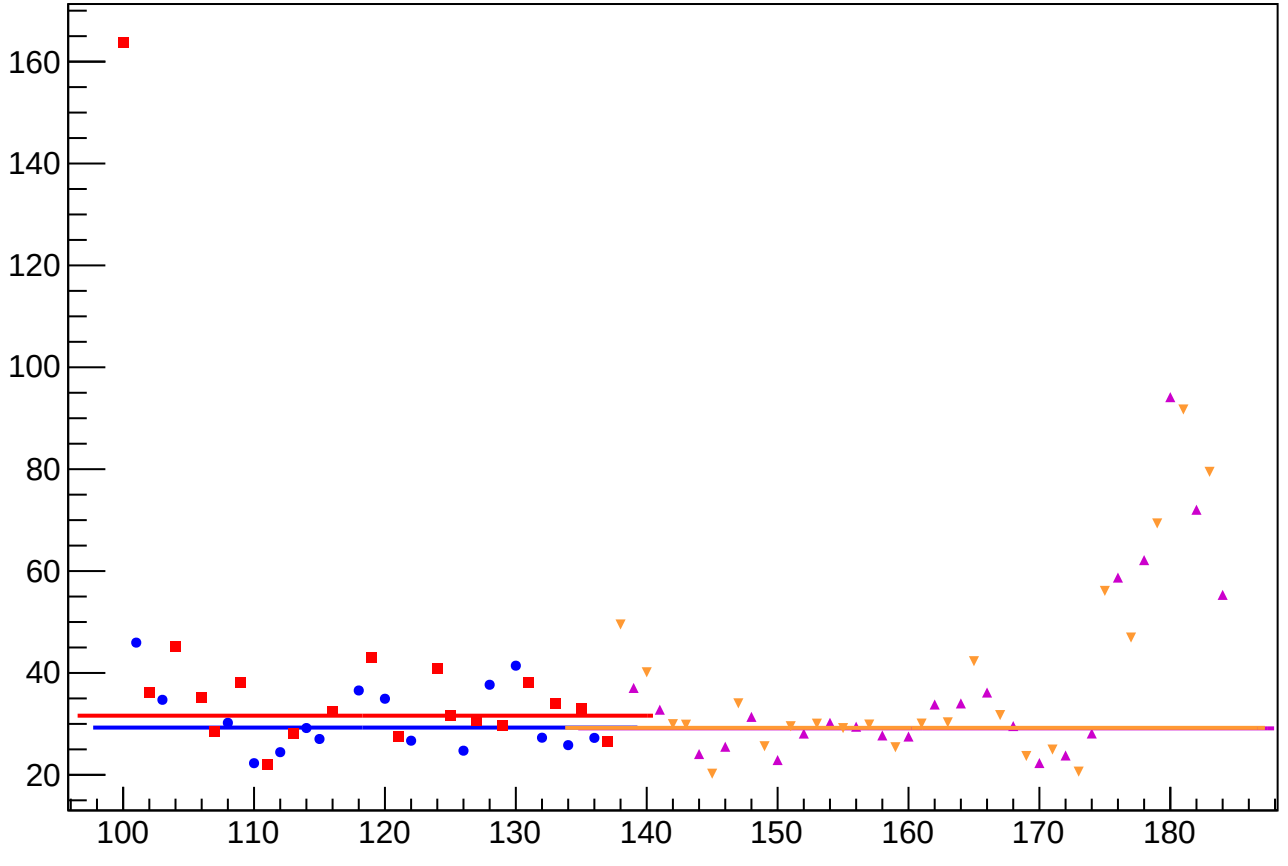
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:38.0/38

Out: 0.014+/-0.006 χ^2/NDF:42.5/42

All: 0.001+/-0.004 χ^2/NDF: 90.2/81

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: 29.124+/-0.005 χ^2/NDF:2839078.4/22

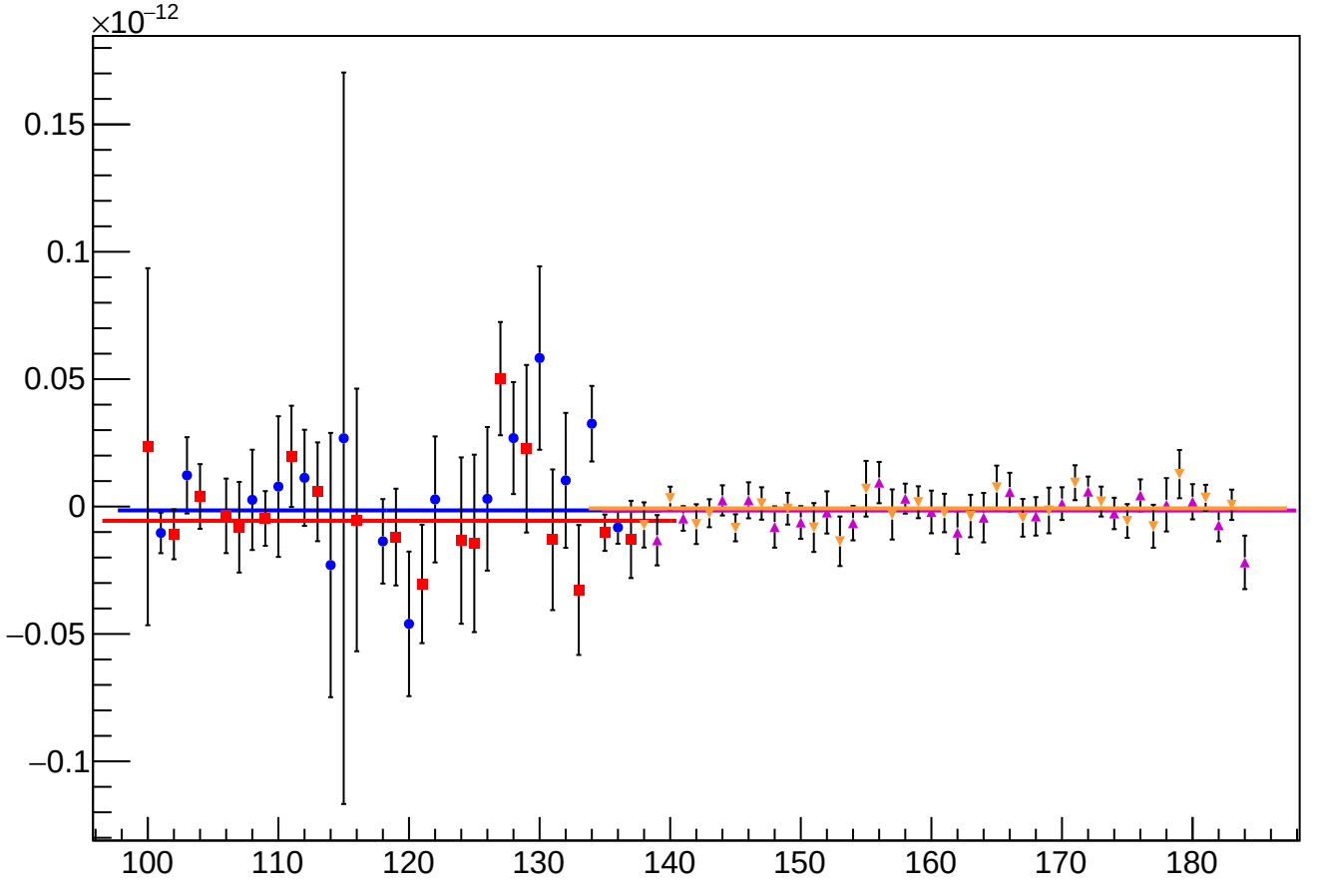
Left: 29.176+/-0.004 χ^2/NDF: 6517981.1/46

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 29.169+/-0.004 χ^2/NDF:3399993.8/38

Out: 29.849+/-0.004 χ^2/NDF:4308442.9/42

All: 29.507+/-0.003 χ^2/NDF: 7720607.9/81



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:16.5/22

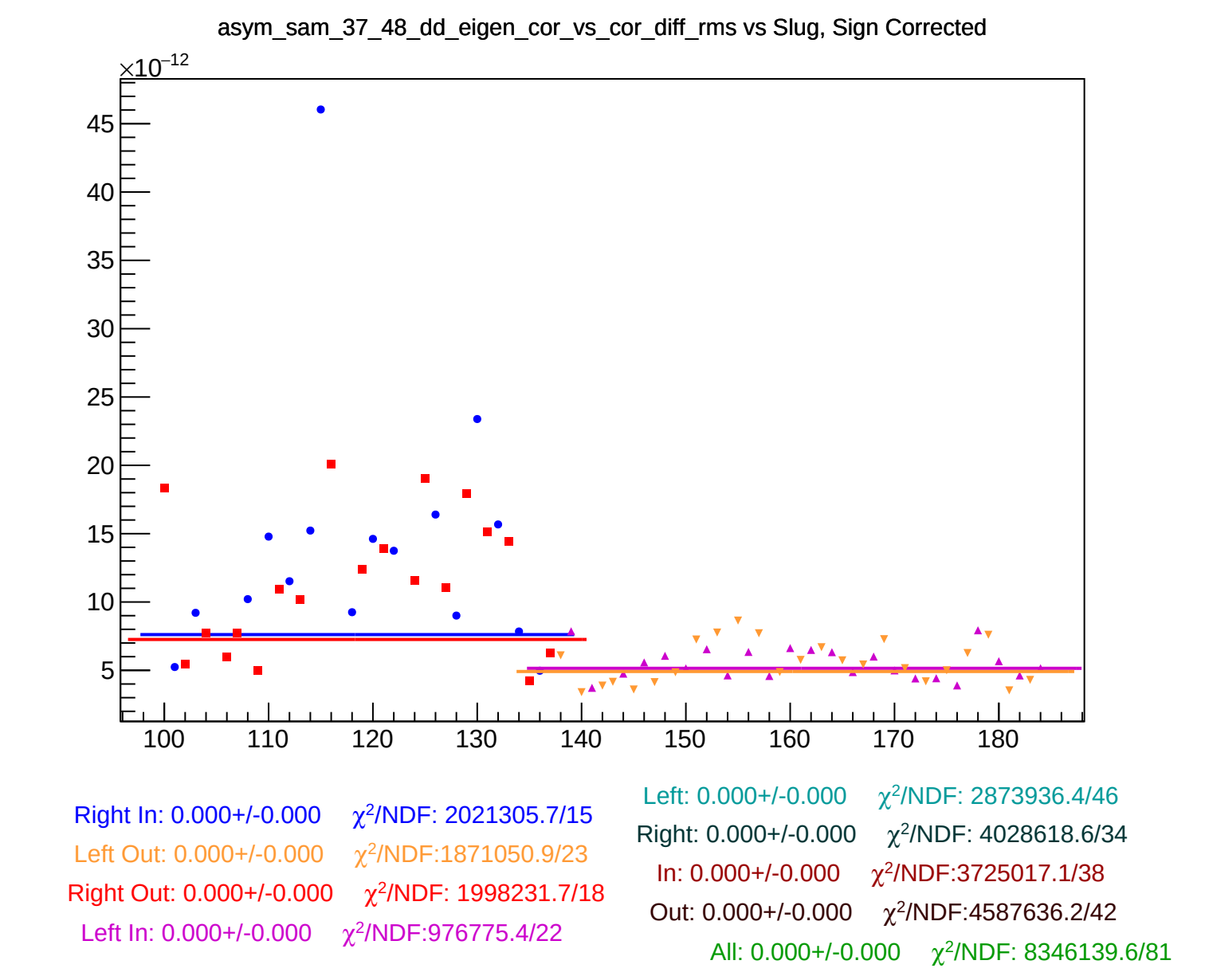
Left: -0.000+/-0.000 χ^2/NDF: 31.8/46

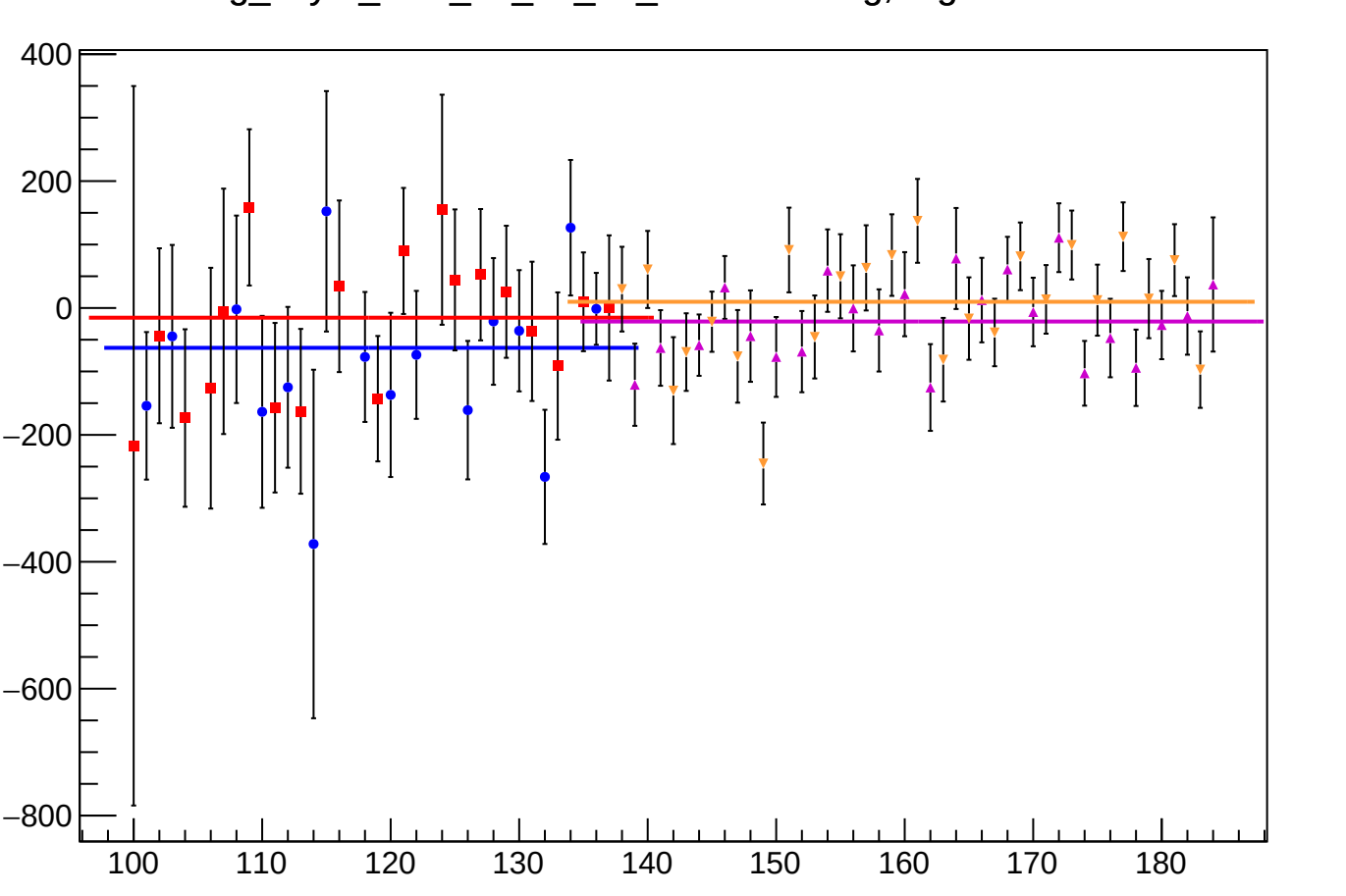
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:33.5/38

Out: -0.000+/-0.000 χ^2/NDF:29.9/42

All: -0.000+/-0.000 χ^2/NDF: 63.4/81


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1871050.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:976775.4/22
Left: 0.000+/-0.000 χ²/NDF: 2873936.4/46
Right: 0.000+/-0.000 χ²/NDF: 4028618.6/34
In: 0.000+/-0.000 χ²/NDF:3725017.1/38
Out: 0.000+/-0.000 χ²/NDF:4587636.2/42
All: 0.000+/-0.000 χ²/NDF: 8346139.6/81



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 9.790+/-12.392 χ^2/NDF:46.4/23

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

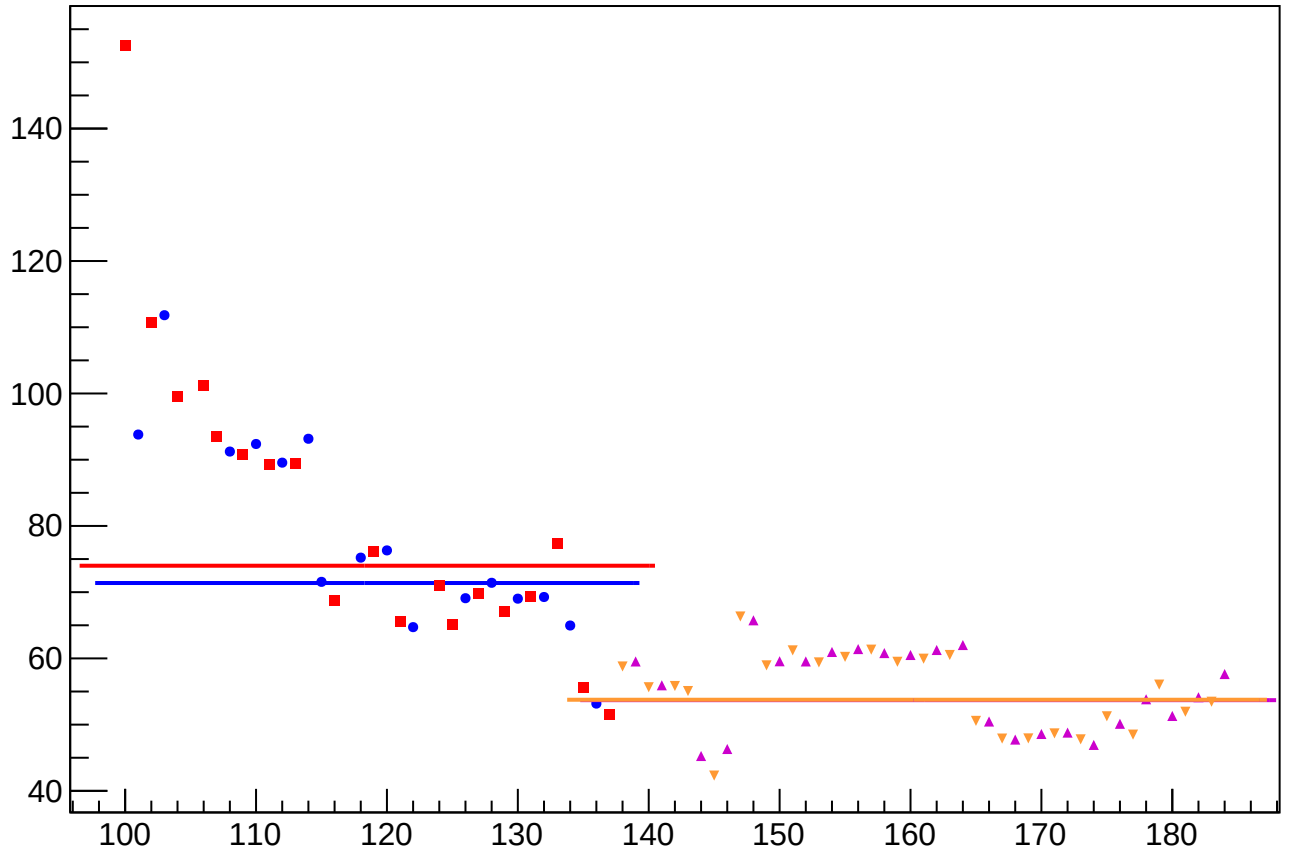
Left: -5.453+/-8.852 χ^2/NDF: 74.9/46

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -28.702+/-11.471 χ^2/NDF:40.8/38

Out: 5.626+/-11.316 χ^2/NDF:58.6/42

All: -11.306+/-8.056 χ^2/NDF: 103.9/81



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: 53.695+/-0.009 χ^2/NDF:471343.7/22

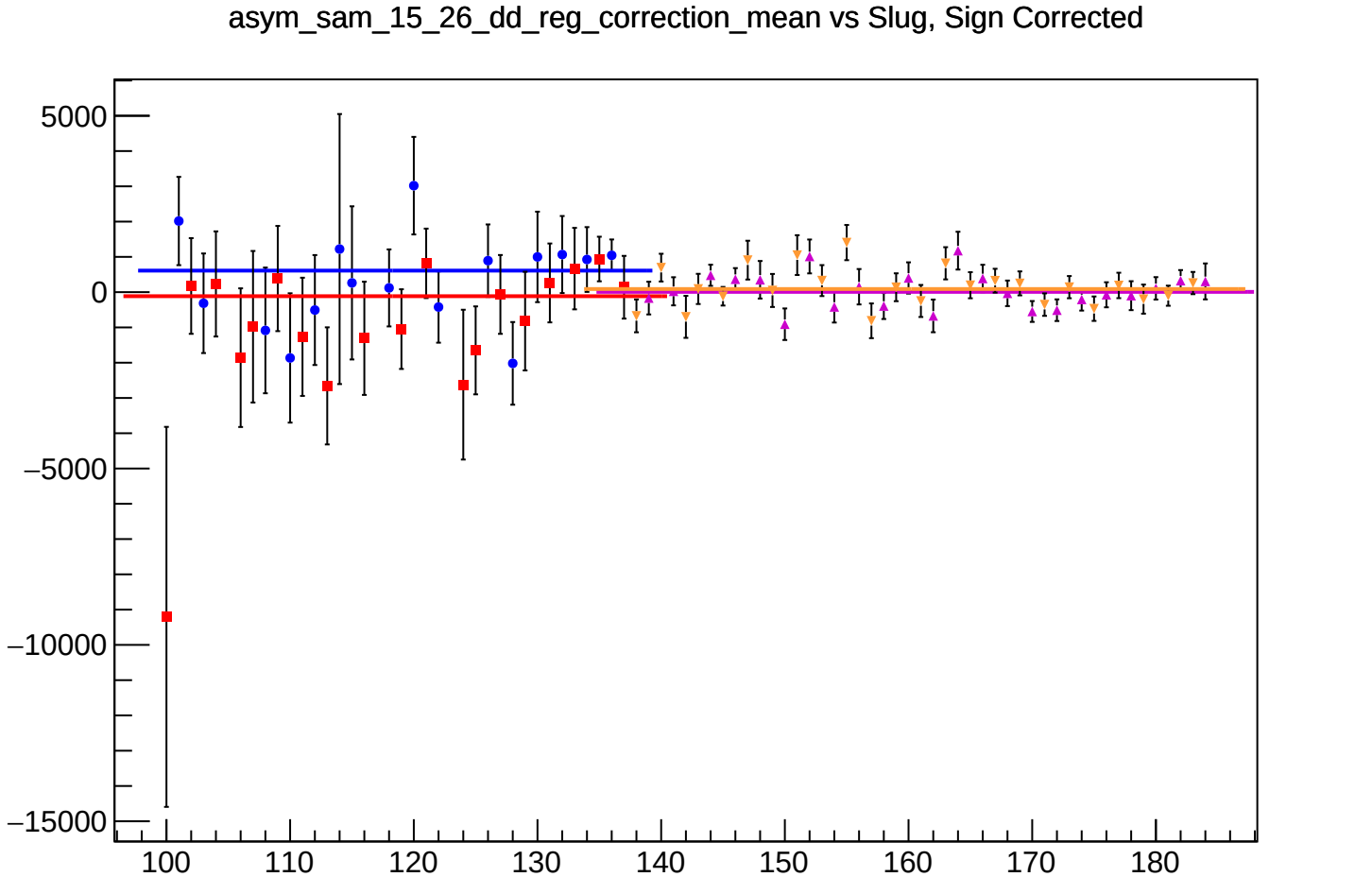
Left: 53.727+/-0.006 χ^2/NDF: 936961.2/46

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 56.837+/-0.008 χ^2/NDF:1757129.1/38

Out: 57.118+/-0.008 χ^2/NDF:1989666.9/42

All: 56.980+/-0.006 χ^2/NDF: 3747403.6/81



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: 7.879+/-79.125 χ^2/NDF:32.3/22

Left: 48.743+/-55.648 χ^2/NDF: 65.8/46

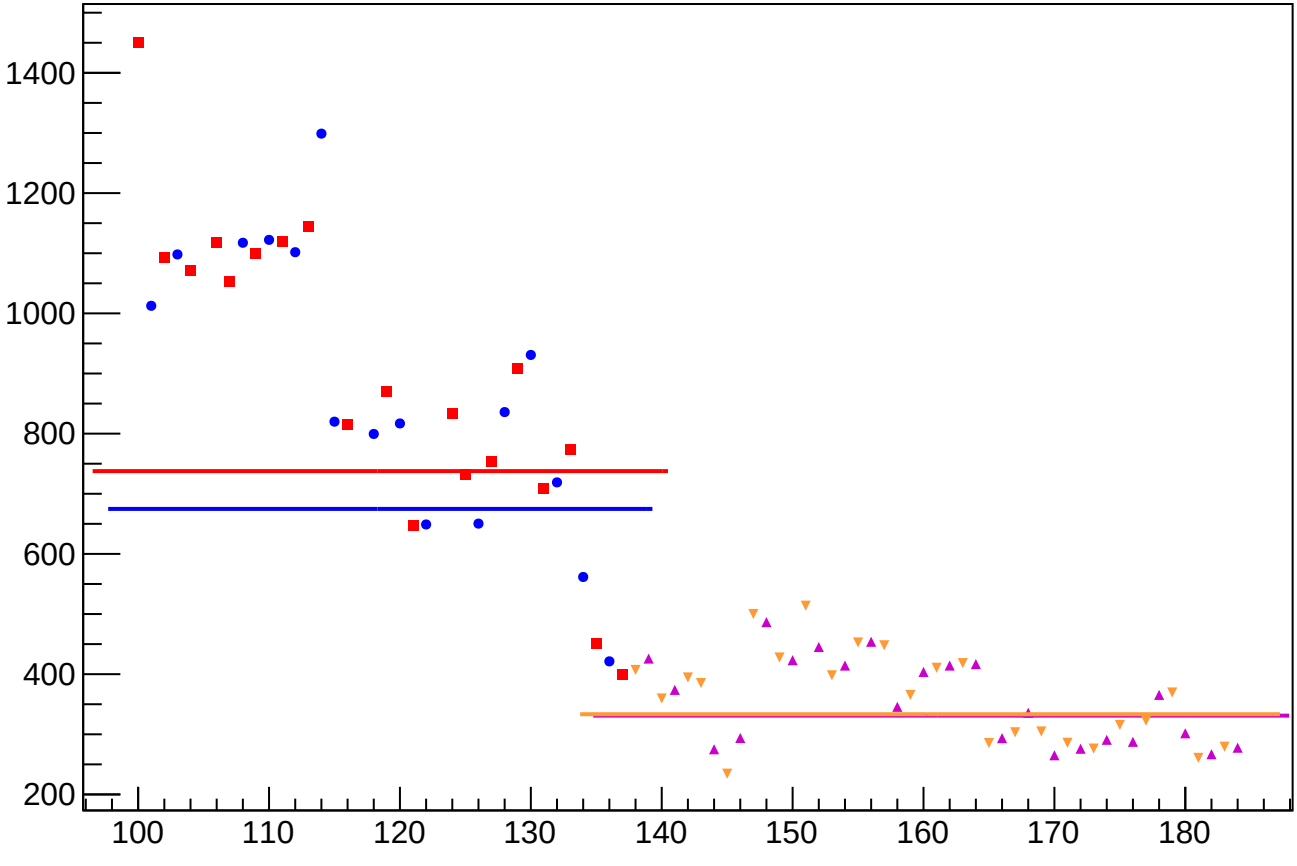
Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 56.602+/-75.860 χ^2/NDF:52.7/38

Out: 74.408+/-75.470 χ^2/NDF:49.0/42

All: 65.551+/-53.503 χ^2/NDF: 101.7/81

asym_sam_15_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 333.394+/-0.055 χ^2/NDF:1652051.5/23

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

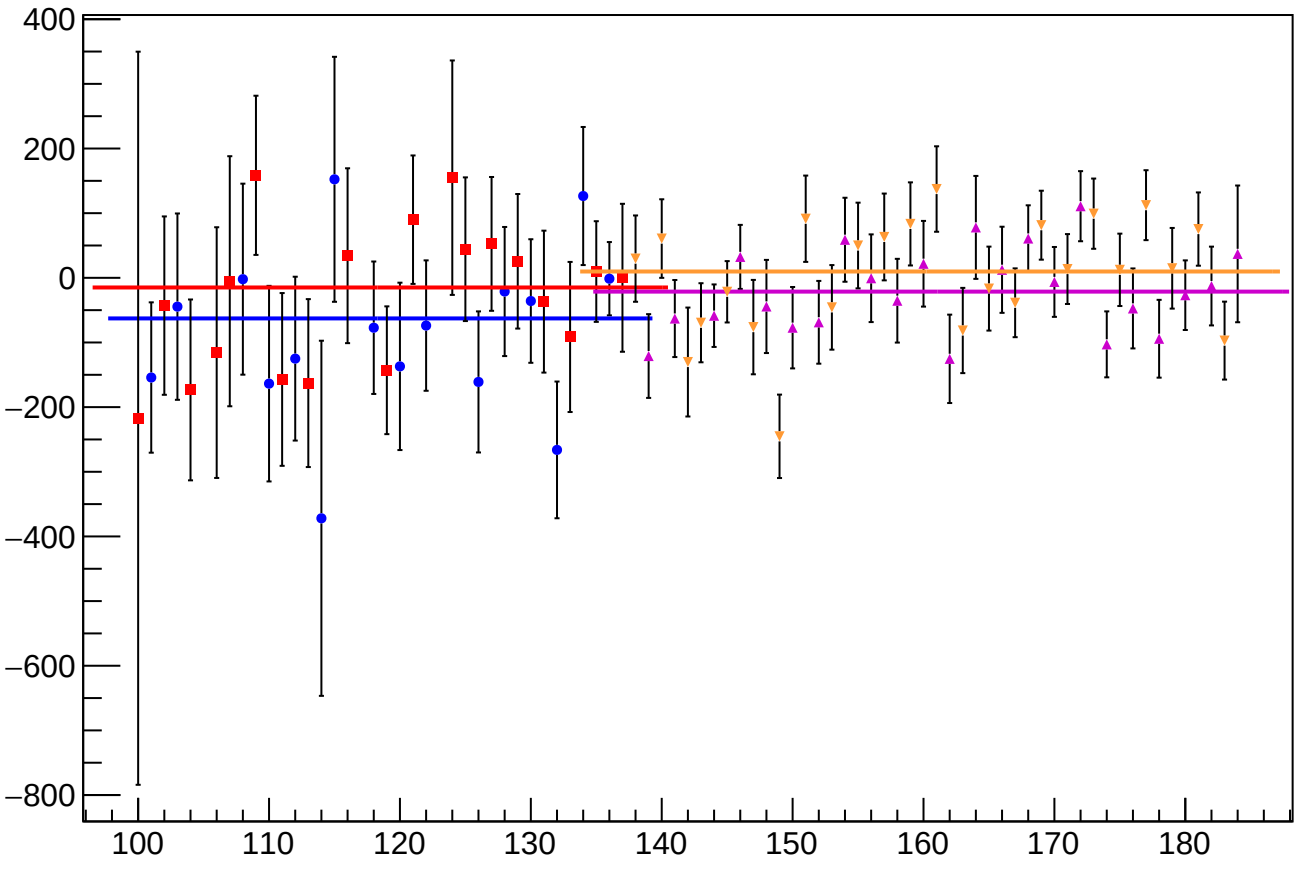
Left: 332.239+/-0.039 χ^2/NDF: 2978534.5/46

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 358.850+/-0.054 χ^2/NDF:5995180.1/38

Out: 361.881+/-0.053 χ^2/NDF:6927795.0/42

All: 360.373+/-0.038 χ^2/NDF: 12924579.5/81



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: -21.335+/-12.649 χ^2/NDF:25.4/22

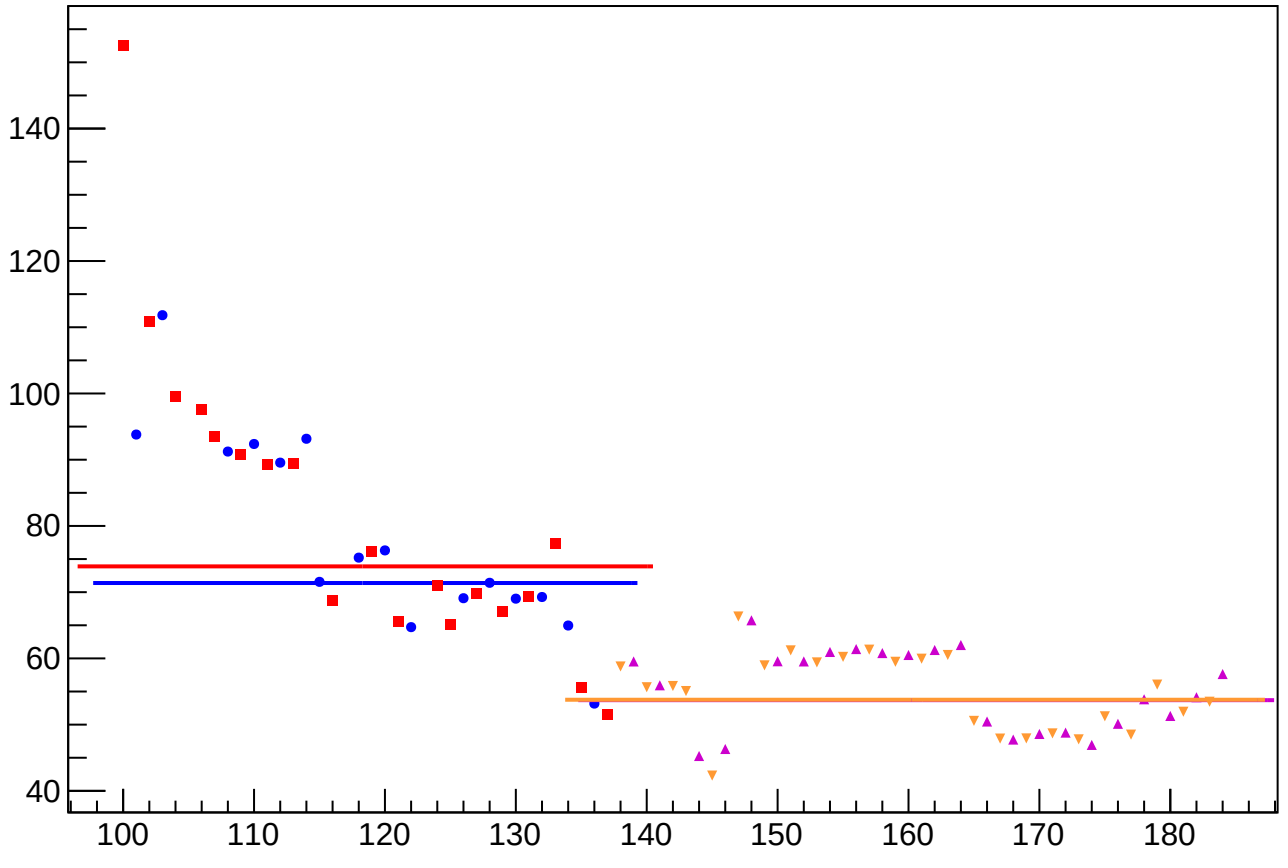
Left: -5.451+/-8.852 χ^2/NDF: 74.9/46

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -28.700+/-11.471 χ^2/NDF:40.8/38

Out: 5.690+/-11.317 χ^2/NDF:58.5/42

All: -11.274+/-8.056 χ^2/NDF: 103.8/81



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: 53.695+/-0.009 χ^2/NDF:471343.7/22

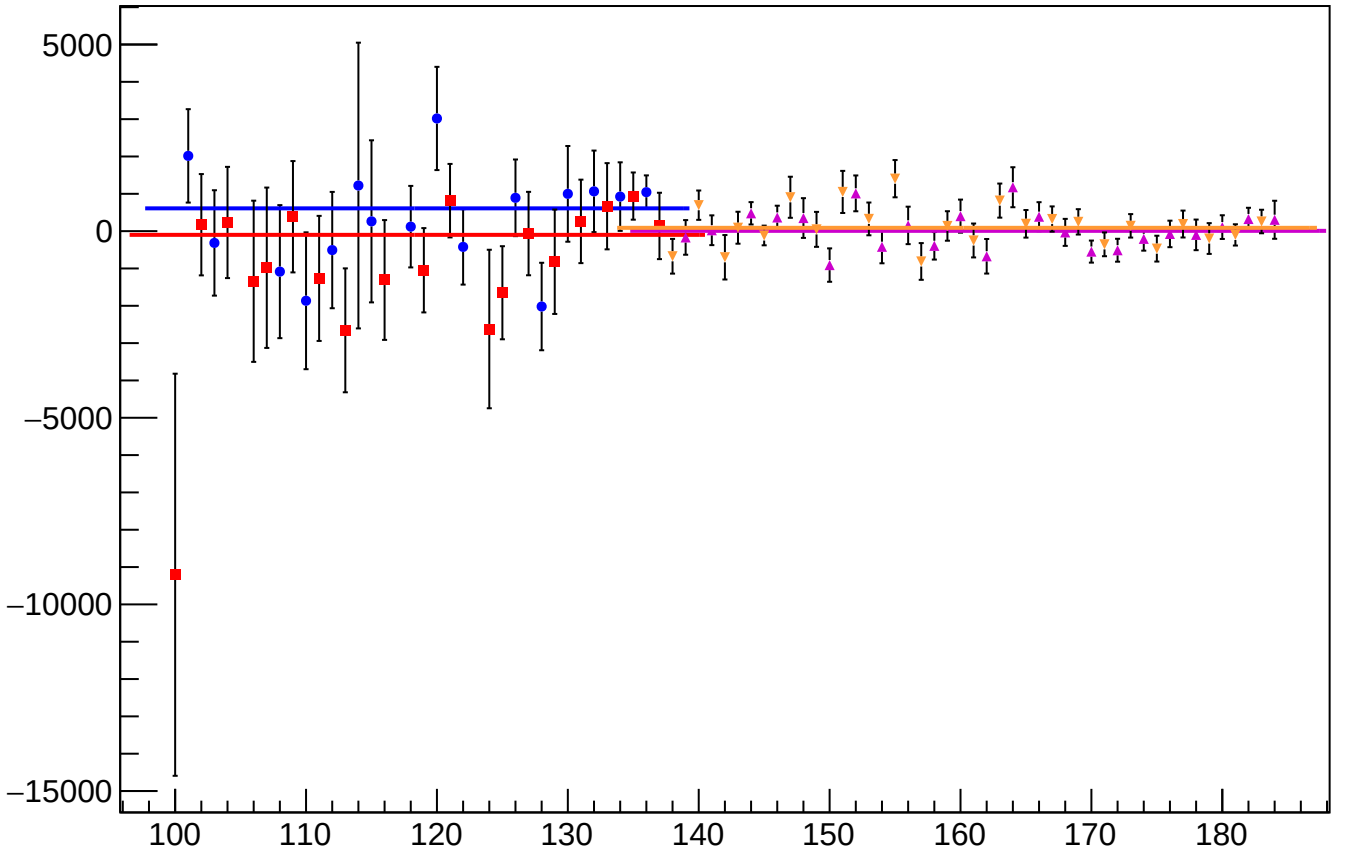
Left: 53.727+/-0.006 χ^2/NDF: 936961.2/46

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 56.837+/-0.008 χ^2/NDF:1757131.7/38

Out: 57.099+/-0.008 χ^2/NDF:1968829.1/42

All: 56.970+/-0.006 χ^2/NDF: 3726488.0/81



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: 7.875+/-79.125 χ^2/NDF:32.3/22

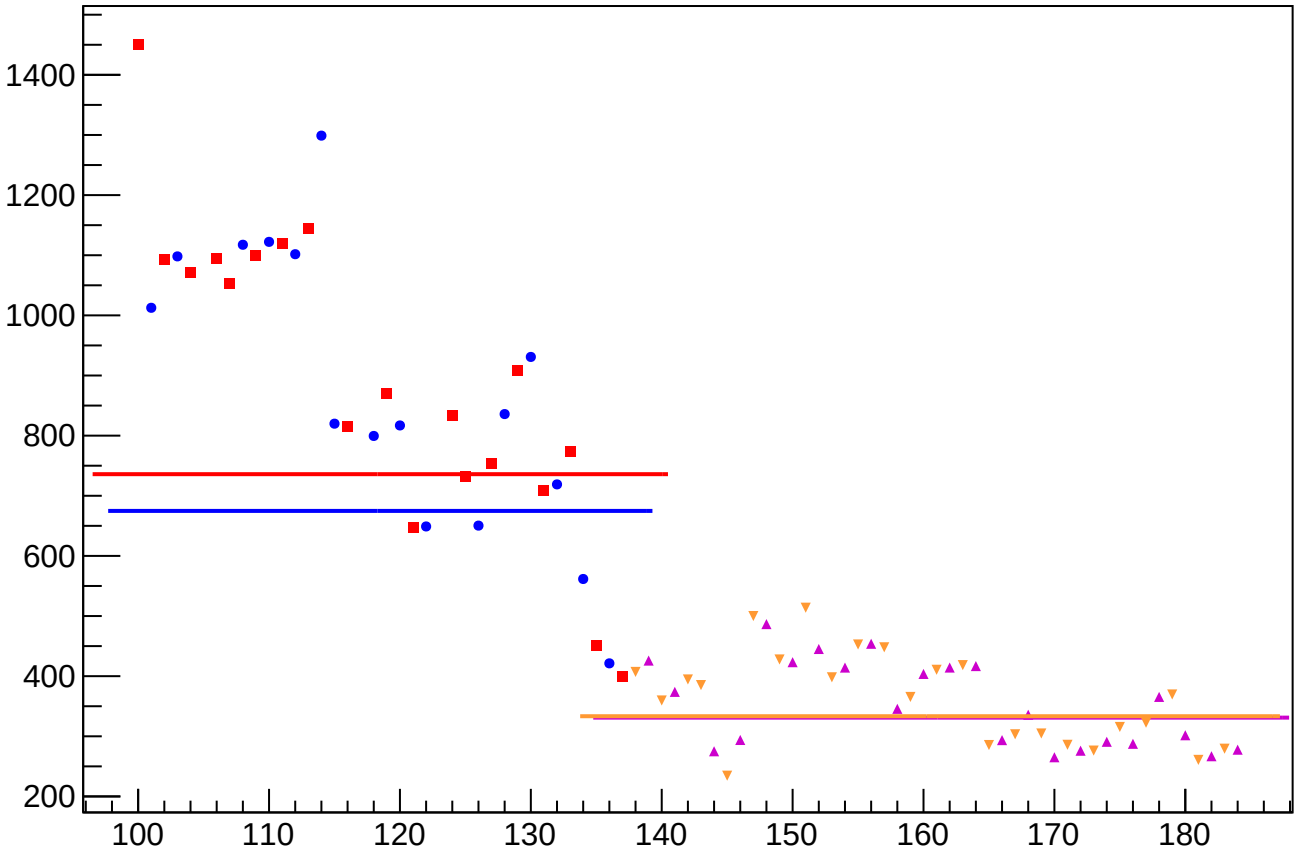
Left: 48.742+/-55.648 χ^2/NDF: 65.8/46

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 56.597+/-75.860 χ^2/NDF:52.7/38

Out: 75.517+/-75.480 χ^2/NDF:48.4/42

All: 66.104+/-53.506 χ^2/NDF: 101.2/81



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: 331.058+/-0.056 χ^2/NDF:1325610.1/22

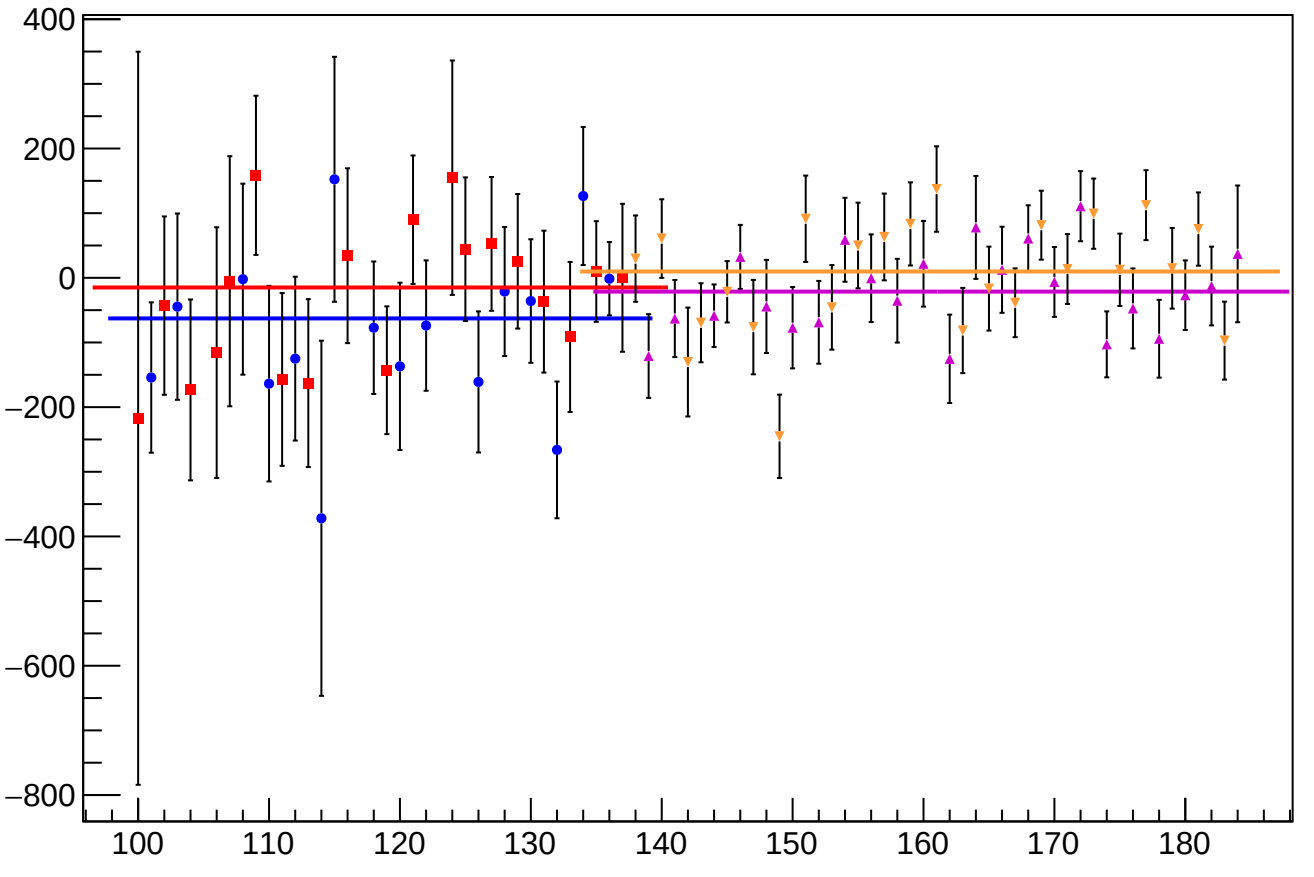
Left: 332.239+/-0.039 χ^2/NDF: 2978545.0/46

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 358.850+/-0.054 χ^2/NDF:5995211.0/38

Out: 361.661+/-0.053 χ^2/NDF:6862847.0/42

All: 360.263+/-0.038 χ^2/NDF: 12859438.2/81



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: -21.335+/-12.649 χ^2/NDF:25.4/22

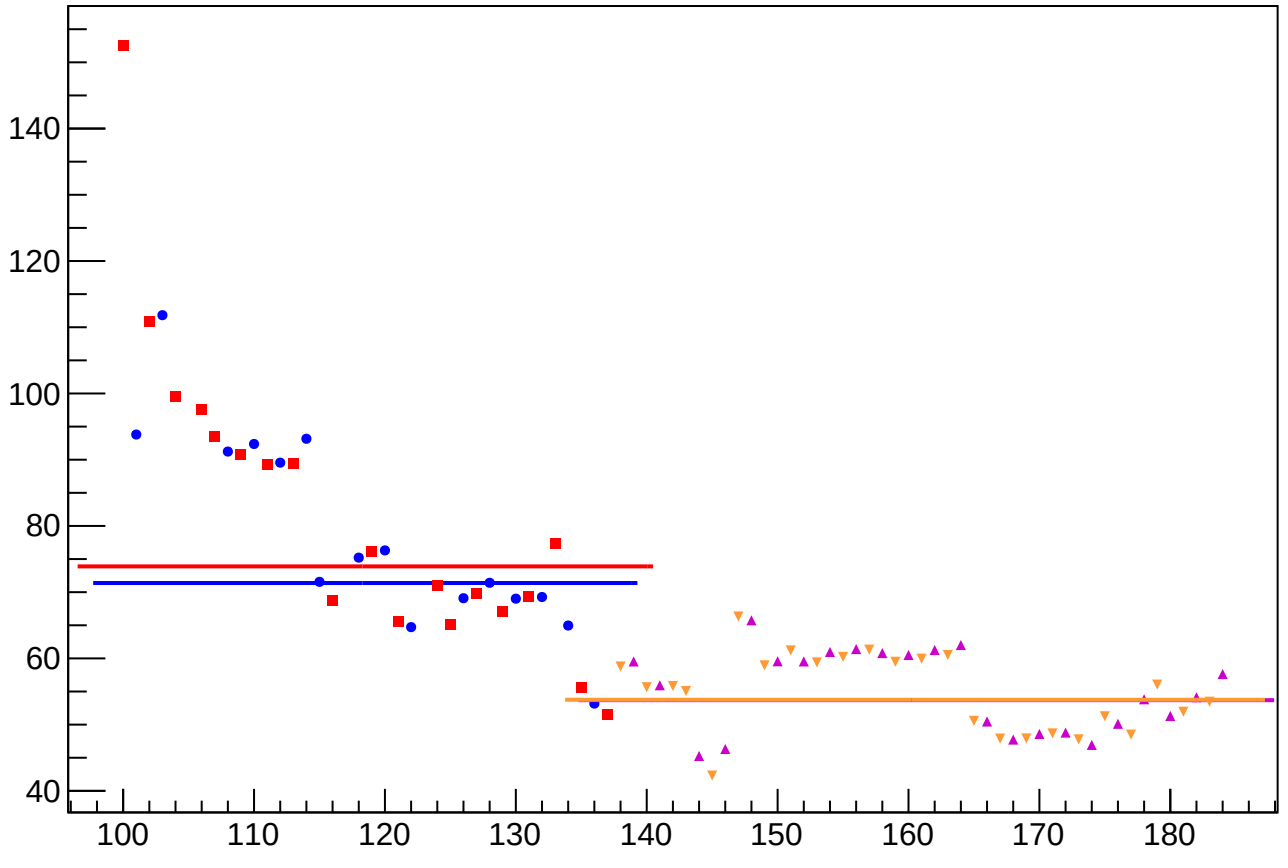
Left: -5.451+/-8.852 χ^2/NDF: 74.9/46

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -28.700+/-11.471 χ^2/NDF:40.8/38

Out: 5.690+/-11.317 χ^2/NDF:58.5/42

All: -11.274+/-8.056 χ^2/NDF: 103.8/81



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: 53.695+/-0.009 χ^2/NDF:471343.7/22

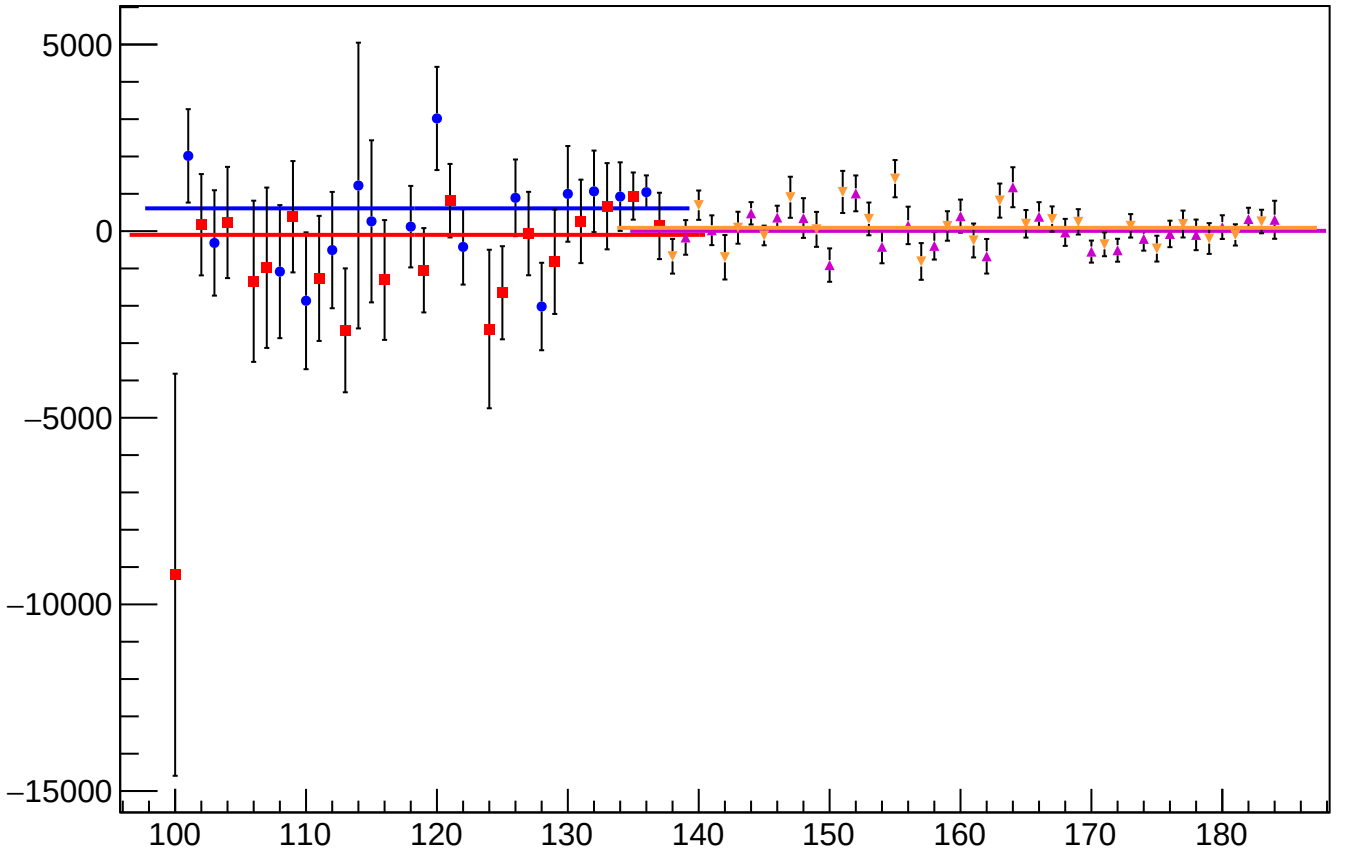
Left: 53.727+/-0.006 χ^2/NDF: 936961.2/46

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 56.837+/-0.008 χ^2/NDF:1757131.7/38

Out: 57.099+/-0.008 χ^2/NDF:1968829.1/42

All: 56.970+/-0.006 χ^2/NDF: 3726488.0/81



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: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 48.742+/-55.648 χ^2/NDF: 65.8/46

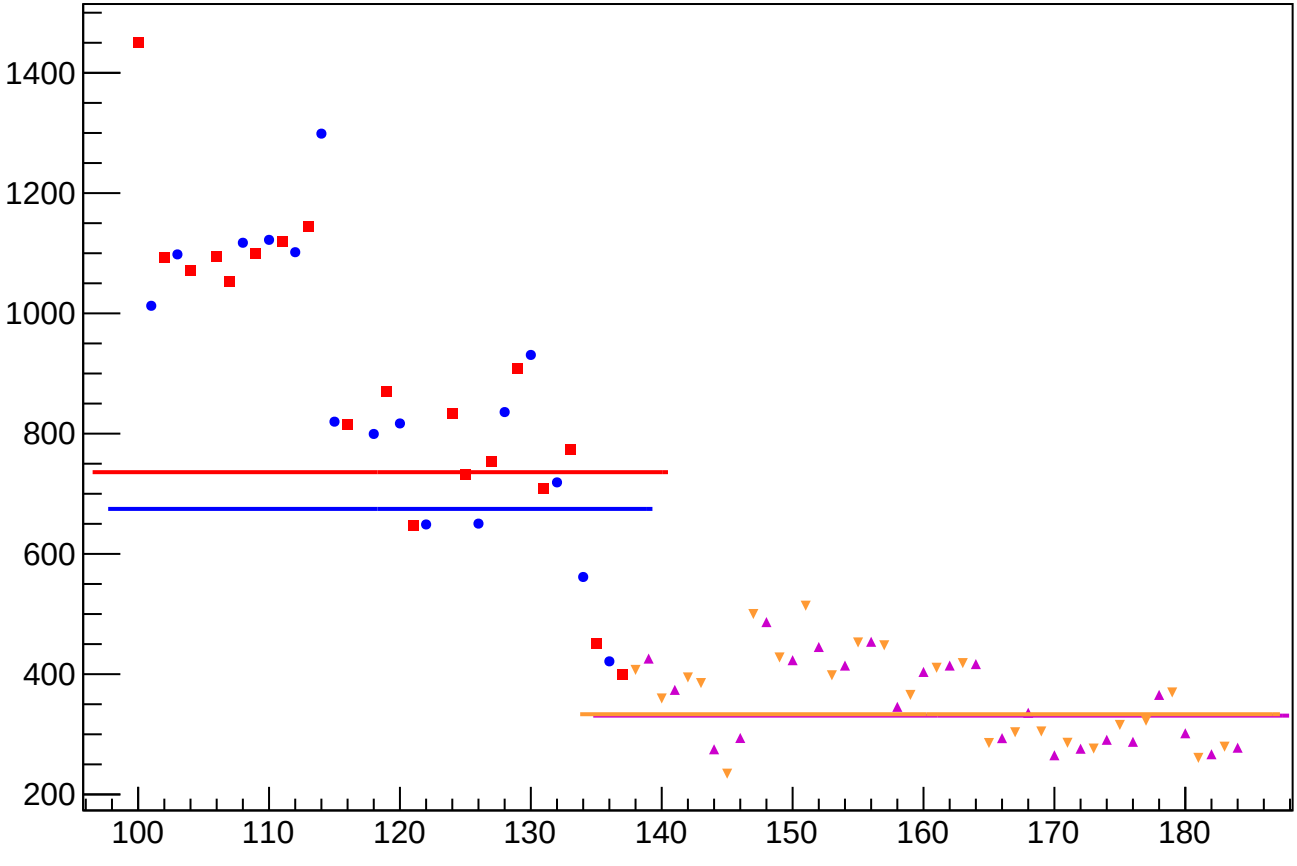
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 56.597+/-75.860 χ^2/NDF:52.7/38

Out: 75.517+/-75.480 χ^2/NDF:48.4/42

All: 66.104+/-53.506 χ^2/NDF: 101.2/81

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 333.394+/-0.055 χ^2/NDF:1652054.4/23

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

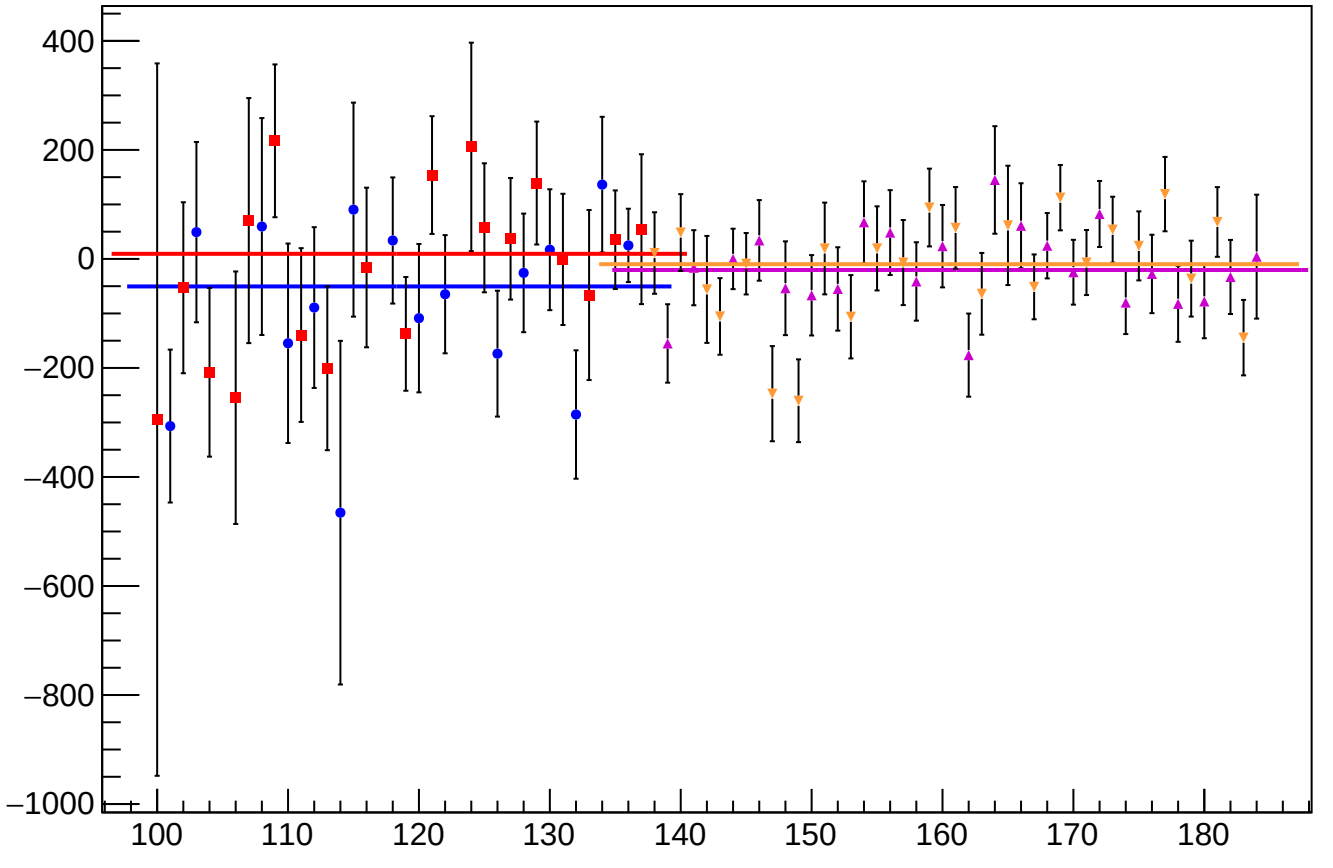
Left: 332.239+/-0.039 χ^2/NDF: 2978545.0/46

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 358.850+/-0.054 χ^2/NDF:5995211.0/38

Out: 361.661+/-0.053 χ^2/NDF:6862847.0/42

All: 360.263+/-0.038 χ^2/NDF: 12859438.2/81



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: -20.306+/-14.750 χ^2/NDF:21.7/22

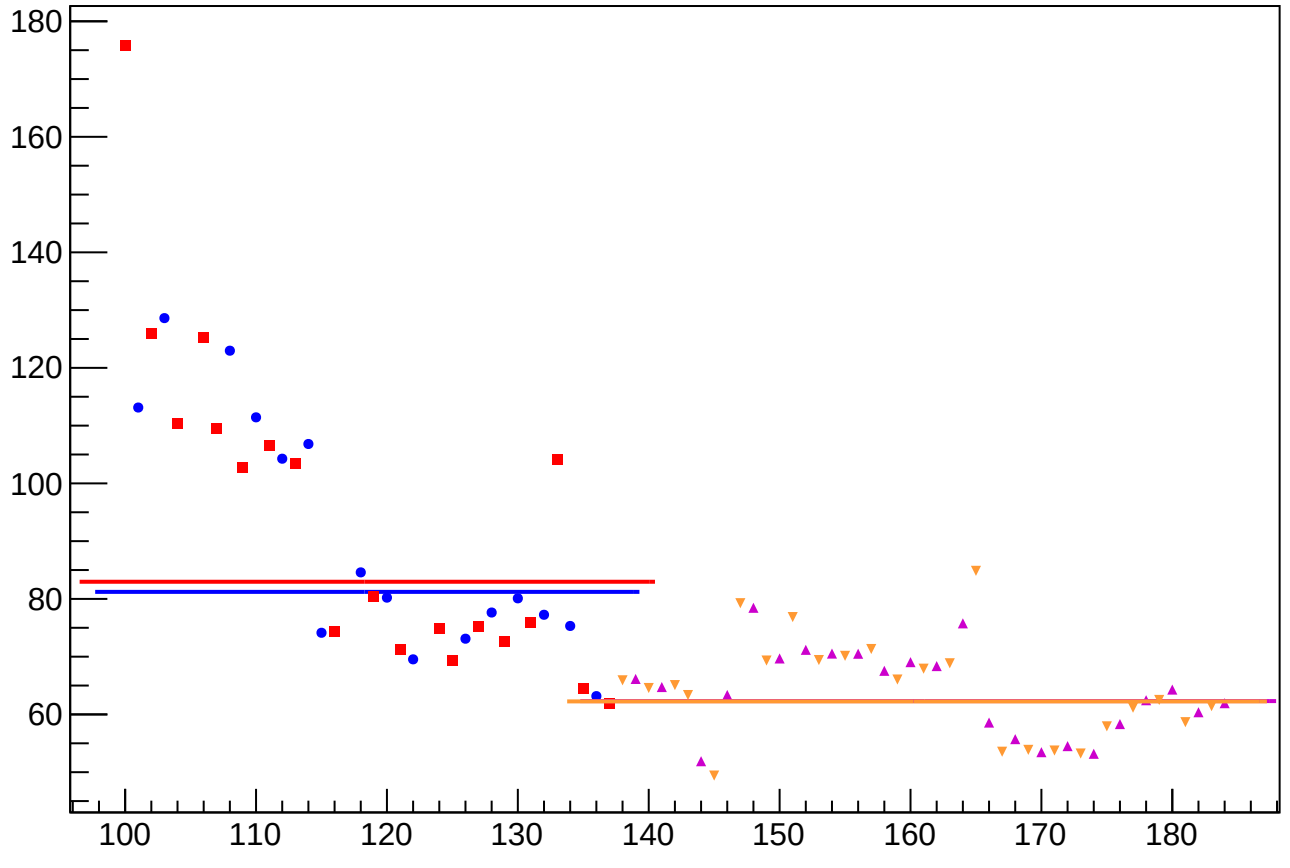
Left: -14.844+/-10.302 χ^2/NDF: 63.8/46

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -25.855+/-13.324 χ^2/NDF:38.9/38

Out: -6.310+/-13.073 χ^2/NDF:57.7/42

All: -15.897+/-9.332 χ^2/NDF: 97.7/81



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: 62.310+/-0.010 χ^2/NDF:484549.5/22

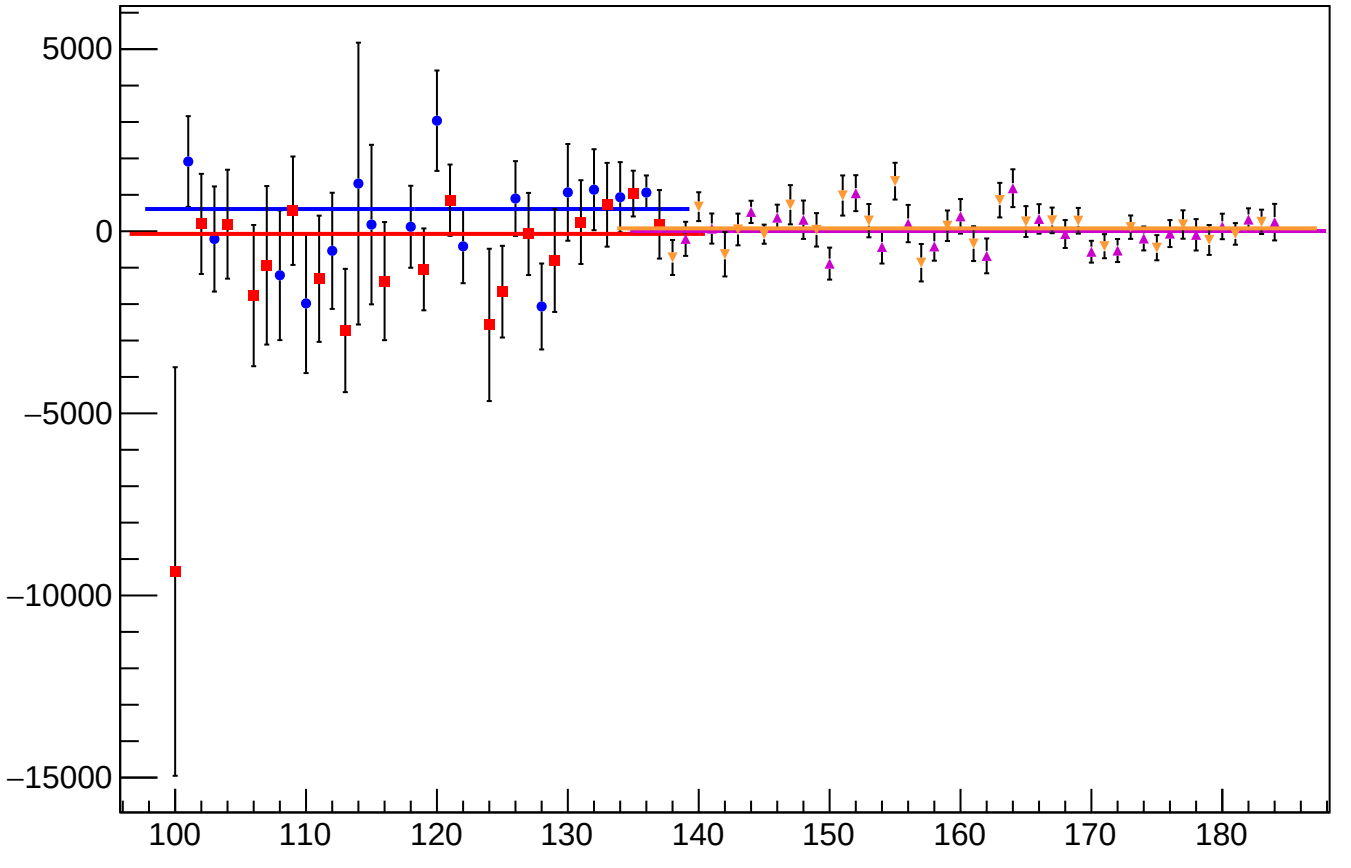
Left: 62.283+/-0.007 χ^2/NDF: 1117860.4/46

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 65.789+/-0.009 χ^2/NDF:1752142.3/38

Out: 65.885+/-0.009 χ^2/NDF:2089224.0/42

All: 65.838+/-0.007 χ^2/NDF: 3841418.9/81



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: 6.497+/-82.111 χ^2/NDF:32.4/22

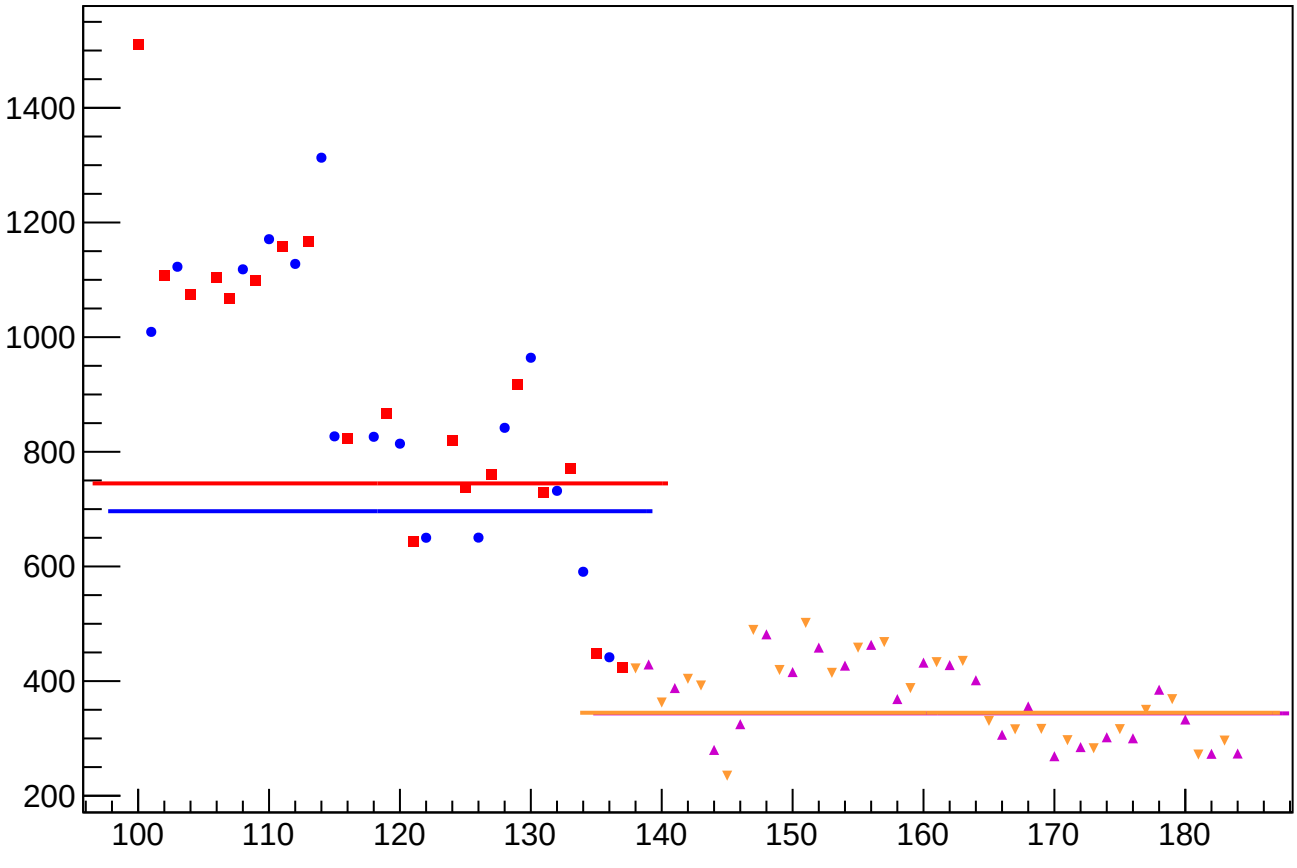
Left: 43.703+/-57.568 χ^2/NDF: 64.1/46

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 56.266+/-78.654 χ^2/NDF:52.7/38

Out: 68.515+/-77.715 χ^2/NDF:47.7/42

All: 62.464+/-55.282 χ^2/NDF: 100.4/81



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: 343.717+/-0.058 χ^2/NDF:1258376.8/22

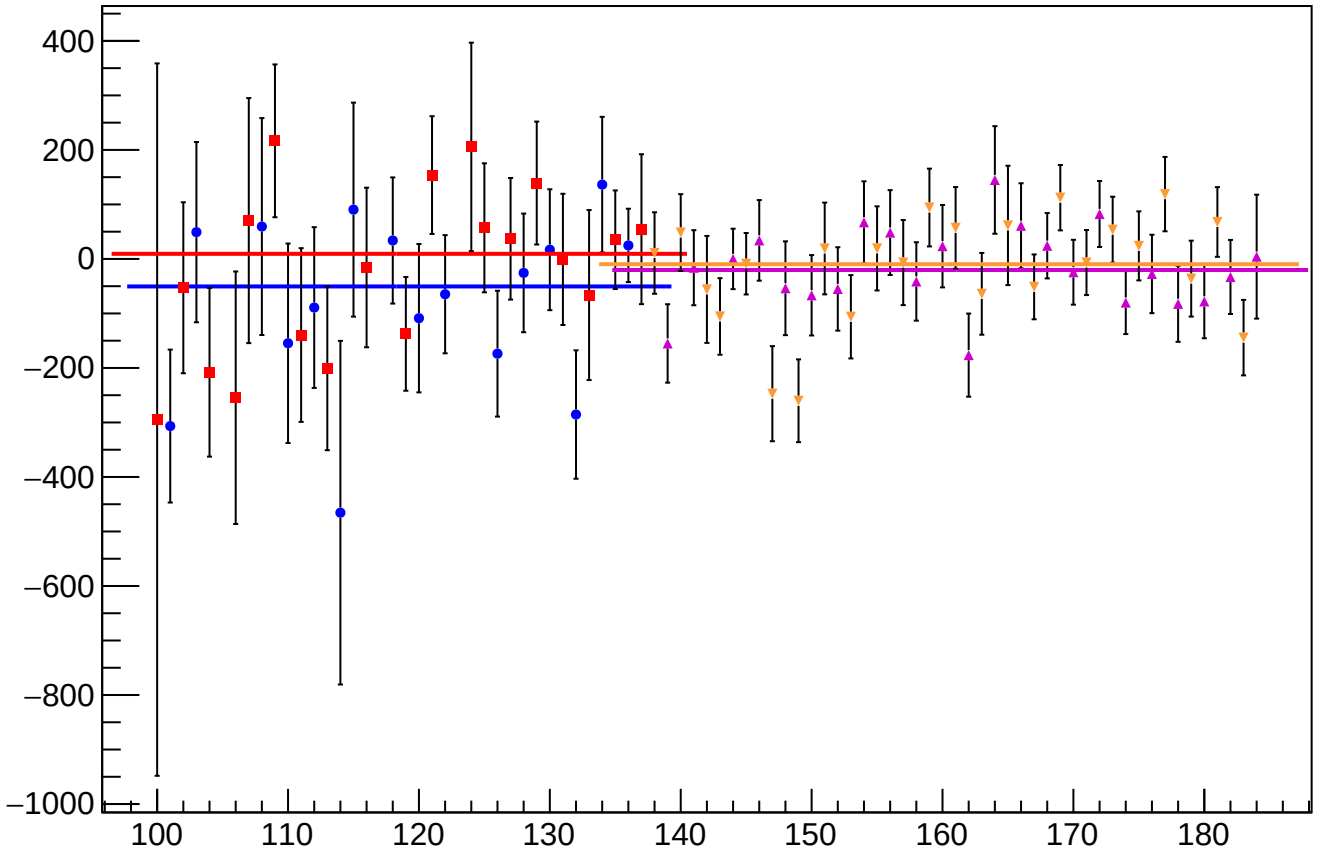
Left: 344.272+/-0.041 χ^2/NDF: 2819157.3/46

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 372.780+/-0.056 χ^2/NDF:5814255.3/38

Out: 374.178+/-0.055 χ^2/NDF:6664171.4/42

All: 373.488+/-0.039 χ^2/NDF: 12478746.3/81



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: -20.306+/-14.750 χ^2/NDF:21.7/22

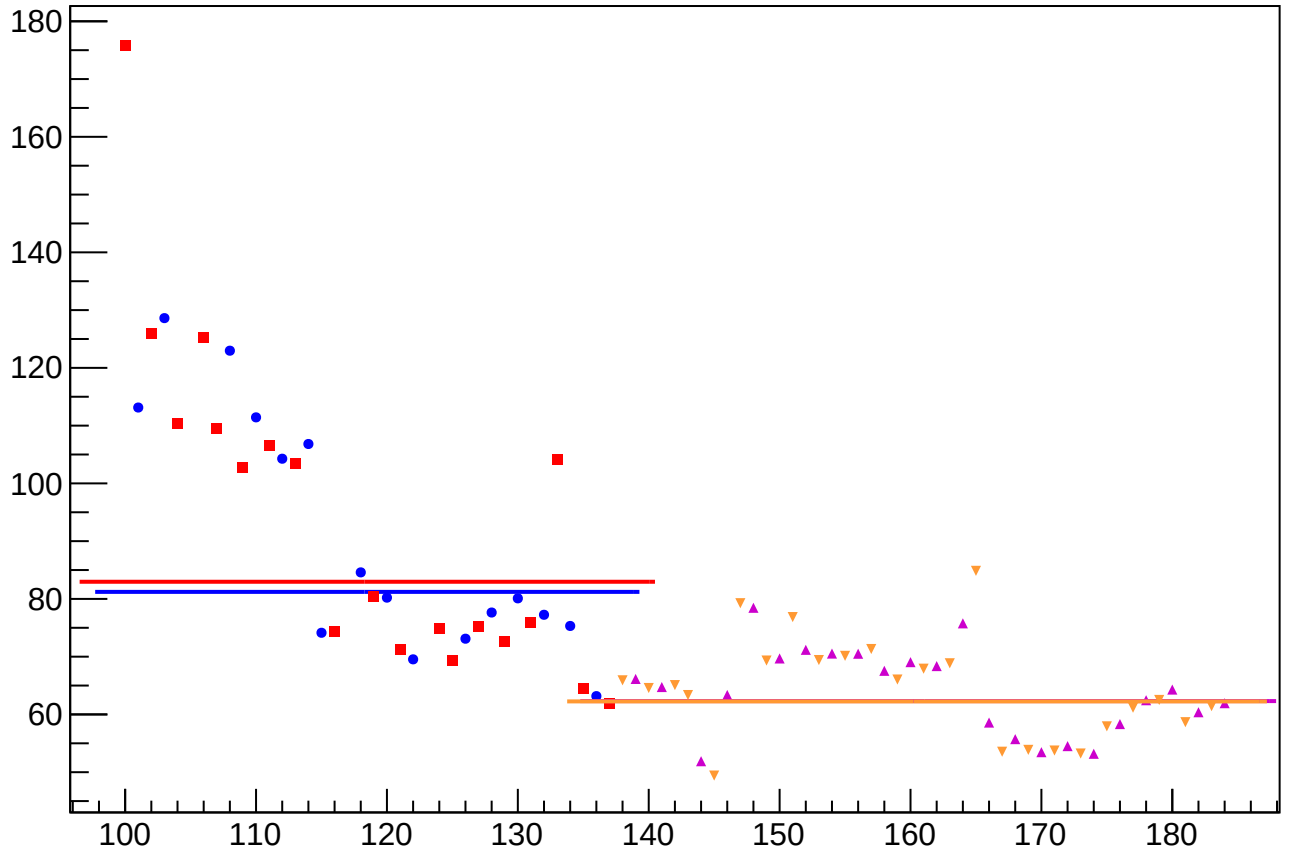
Left: -14.844+/-10.302 χ^2/NDF: 63.8/46

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -25.855+/-13.324 χ^2/NDF:38.9/38

Out: -6.309+/-13.073 χ^2/NDF:57.7/42

All: -15.897+/-9.332 χ^2/NDF: 97.7/81



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: 62.311+/-0.010 χ^2/NDF:484544.3/22

Left: 62.283+/-0.007 χ^2/NDF: 1117853.9/46

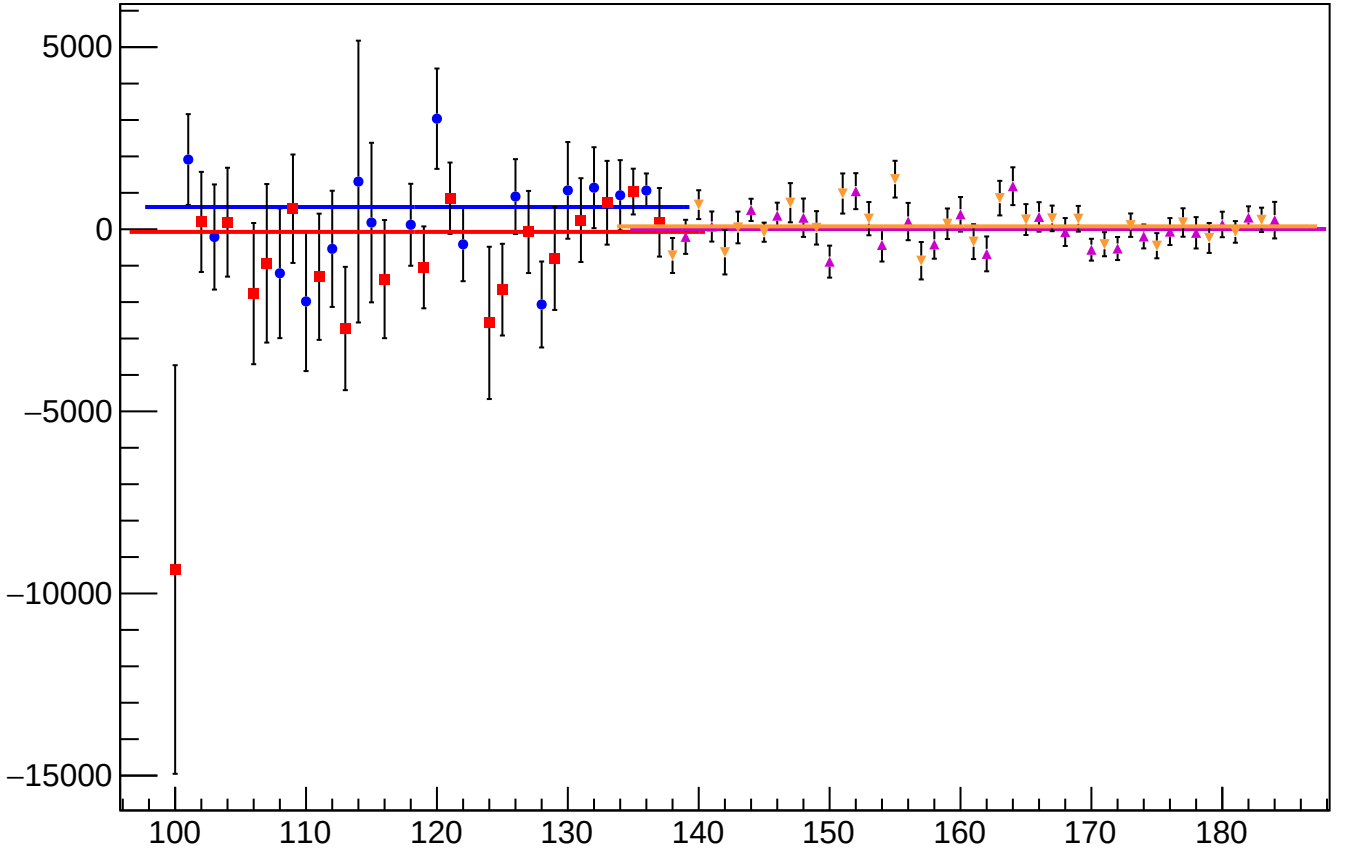
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 65.790+/-0.009 χ^2/NDF:1752088.2/38

Out: 65.885+/-0.009 χ^2/NDF:2089192.5/42

All: 65.838+/-0.007 χ^2/NDF: 3841333.3/81

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 79.673+/-80.735 χ^2/NDF:31.3/23

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 43.703+/-57.568 χ^2/NDF: 64.1/46

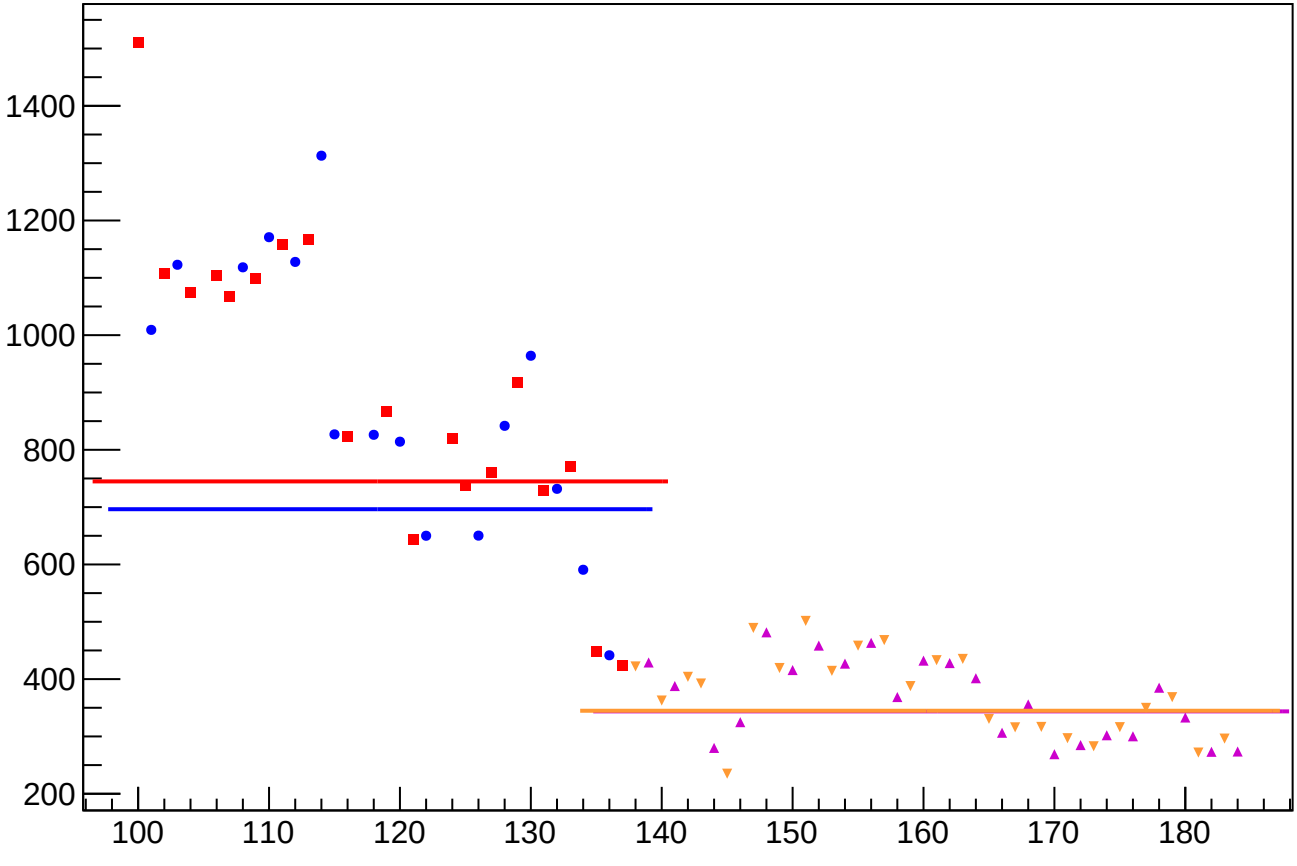
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 56.266+/-78.654 χ^2/NDF:52.7/38

Out: 68.515+/-77.715 χ^2/NDF:47.7/42

All: 62.464+/-55.282 χ^2/NDF: 100.4/81

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: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 344.272+/-0.041 χ^2/NDF: 2819194.4/46

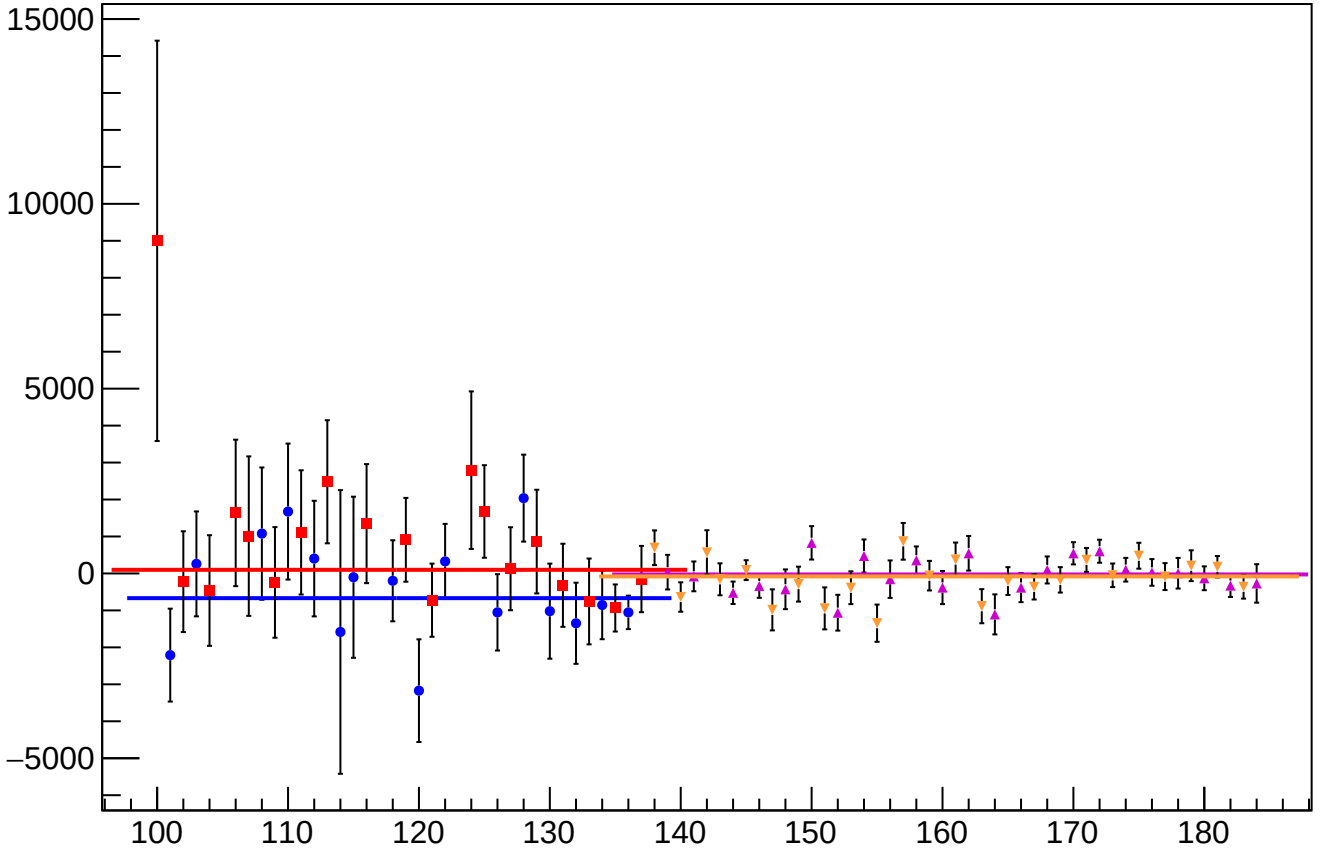
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 372.781+/-0.056 χ^2/NDF:5814246.2/38

Out: 374.178+/-0.055 χ^2/NDF:6664173.0/42

All: 373.488+/-0.039 χ^2/NDF: 12478738.8/81

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: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -54.012+/-56.401 χ^2/NDF: 64.5/46

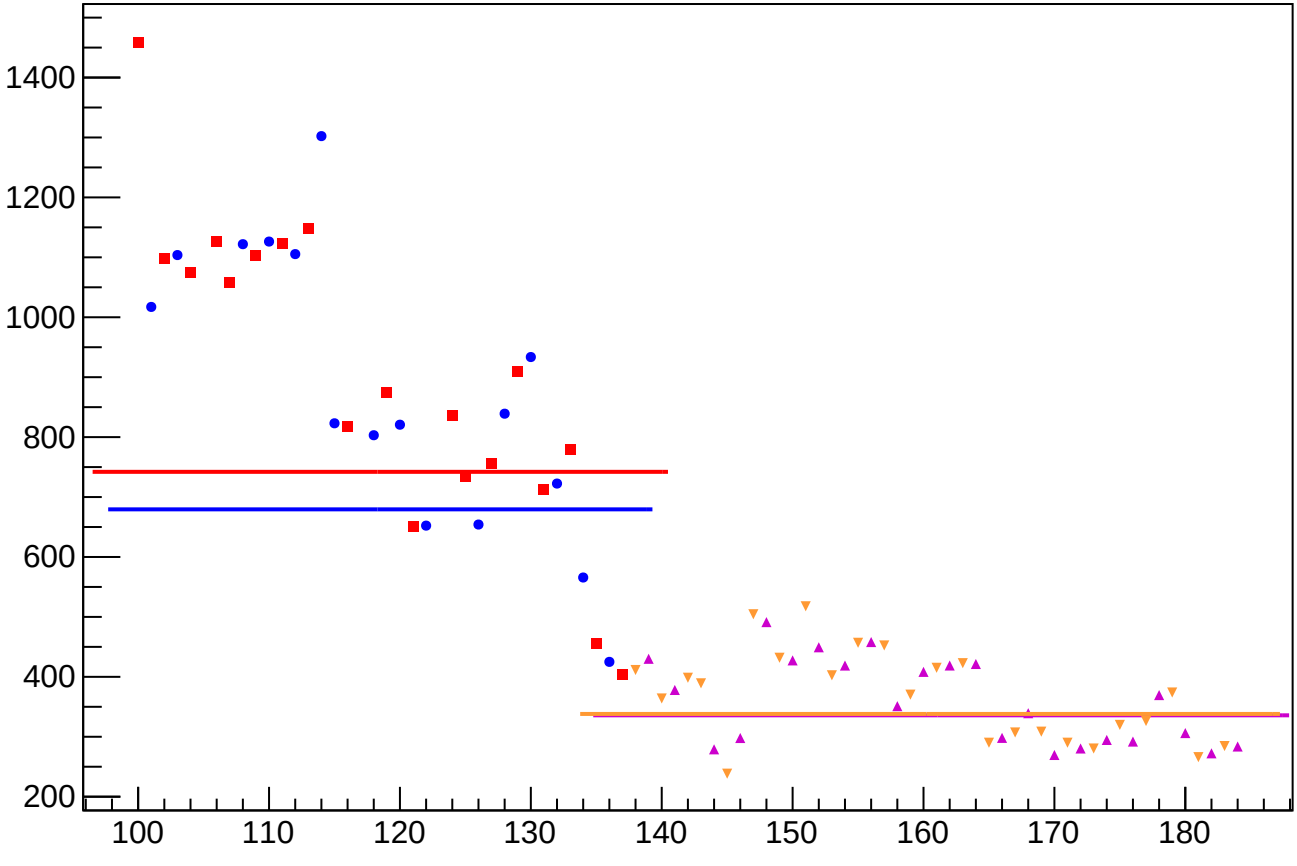
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -79.732+/-76.851 χ^2/NDF:52.3/38

Out: -67.519+/-76.438 χ^2/NDF:48.5/42

All: -73.592+/-54.195 χ^2/NDF: 100.8/81

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: 335.787+/-0.057 χ^2/NDF:1291376.5/22

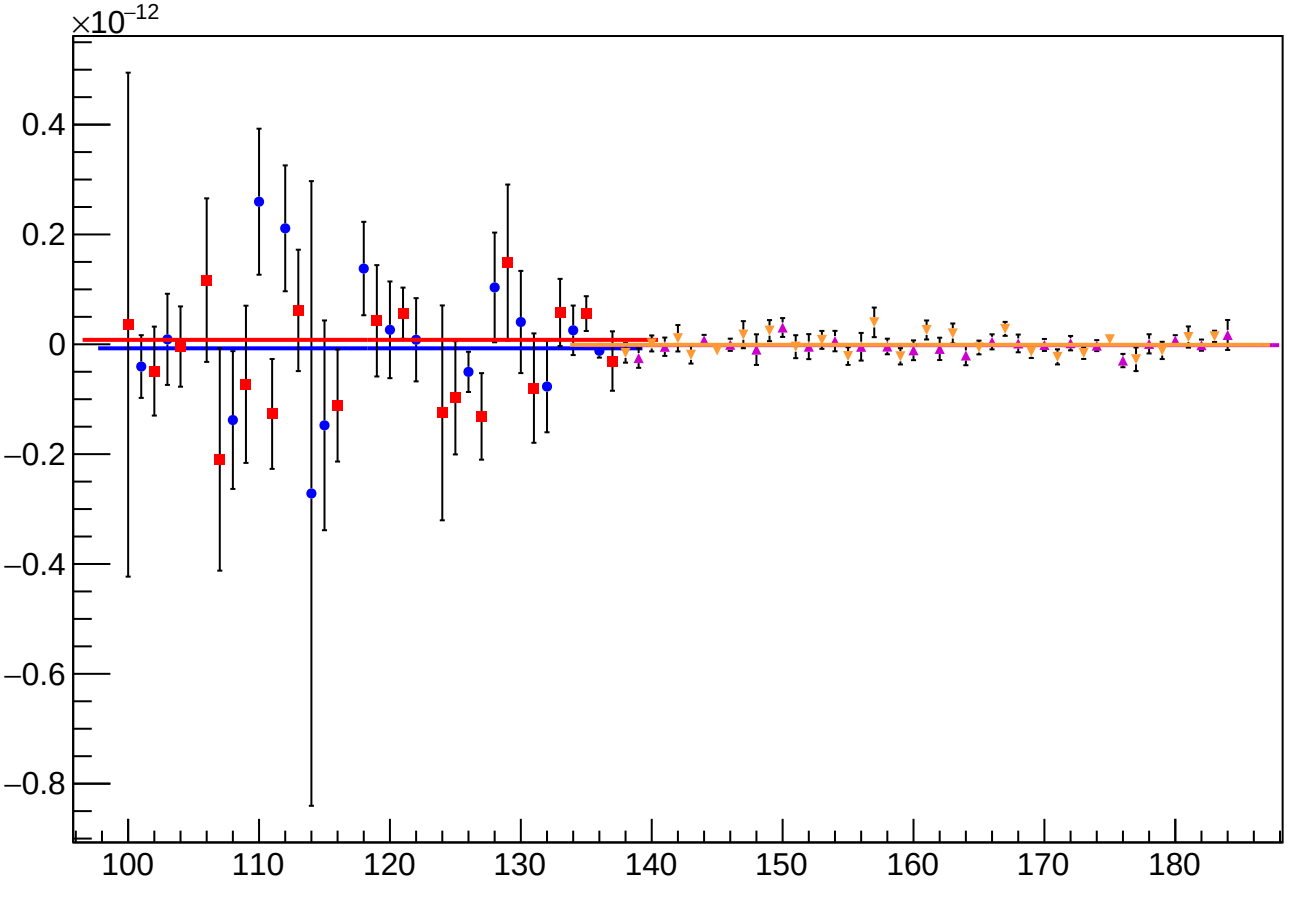
Left: 336.947+/-0.040 χ^2/NDF: 2902611.1/46

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 363.953+/-0.054 χ^2/NDF:5901653.5/38

Out: 366.963+/-0.054 χ^2/NDF:6823363.9/42

All: 365.466+/-0.038 χ^2/NDF: 12726560.1/81



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:14.8/22

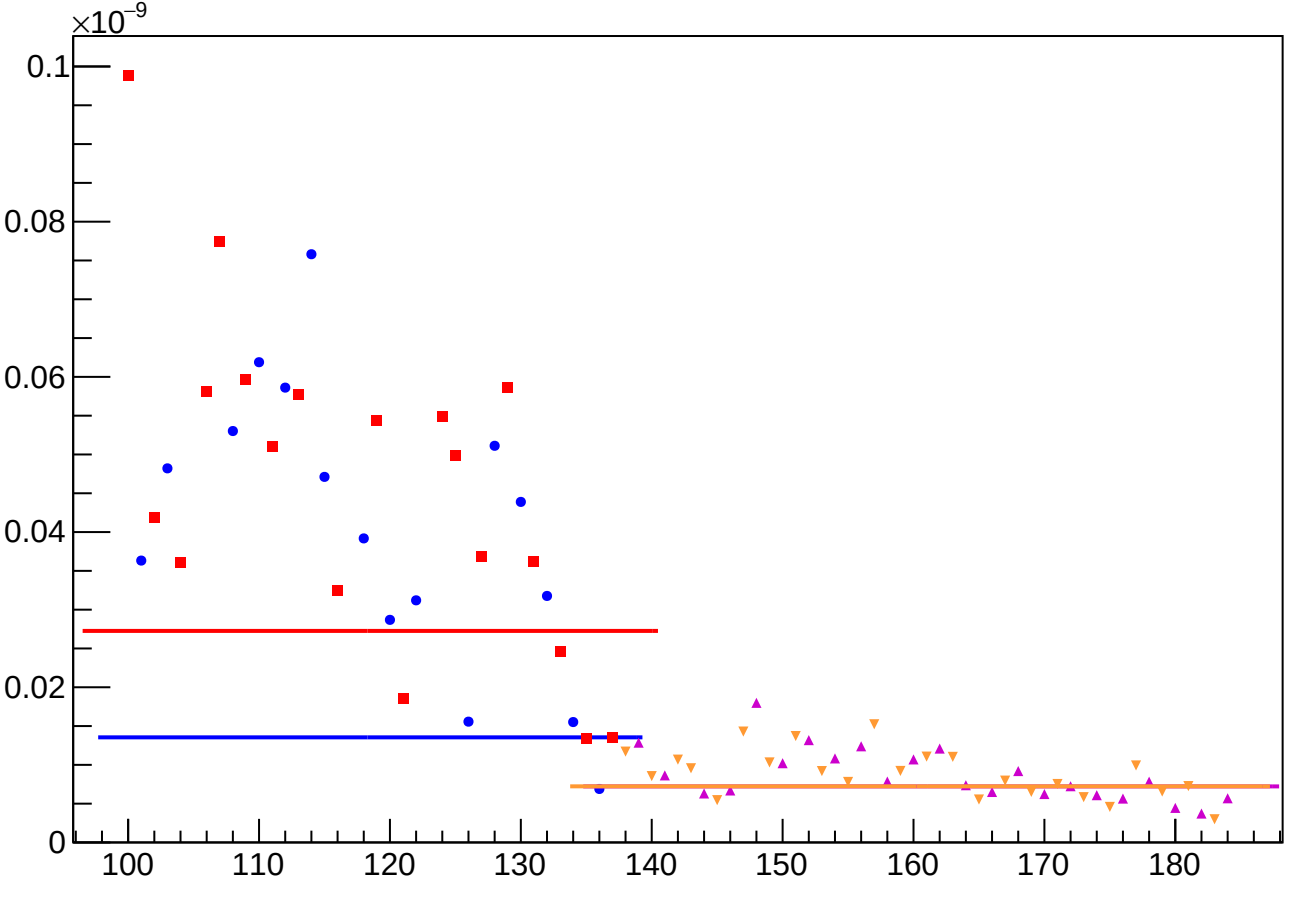
Left: -0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:32.3/38

Out: -0.000+/-0.000 χ^2/NDF:50.5/42

All: -0.000+/-0.000 χ^2/NDF: 82.9/81



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:1604062.0/22

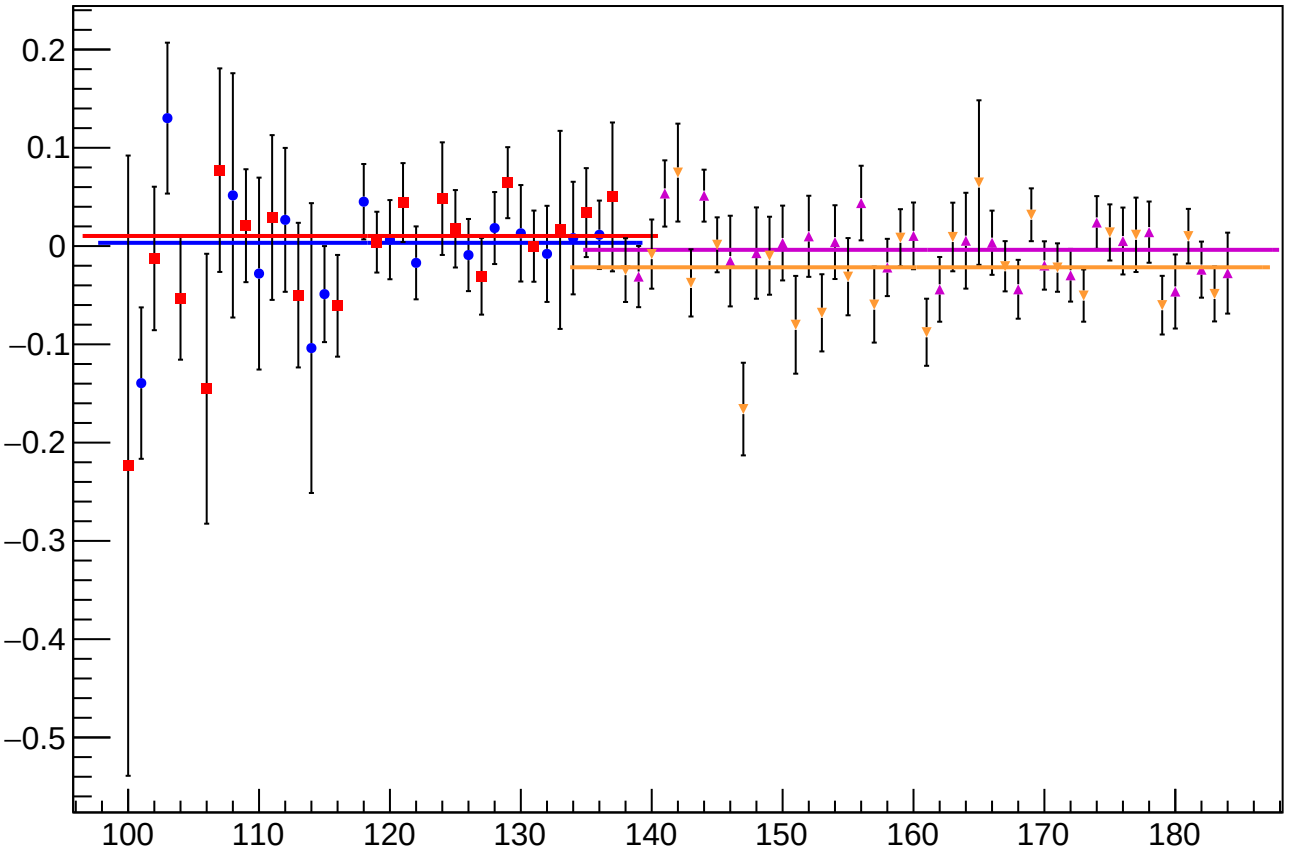
Left: 0.000+/-0.000 χ^2/NDF: 3434315.9/46

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:5326337.8/38

Out: 0.000+/-0.000 χ^2/NDF:6170076.8/42

All: 0.000+/-0.000 χ^2/NDF: 11497184.9/81



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: -0.004+/-0.007 χ^2/NDF:18.7/22

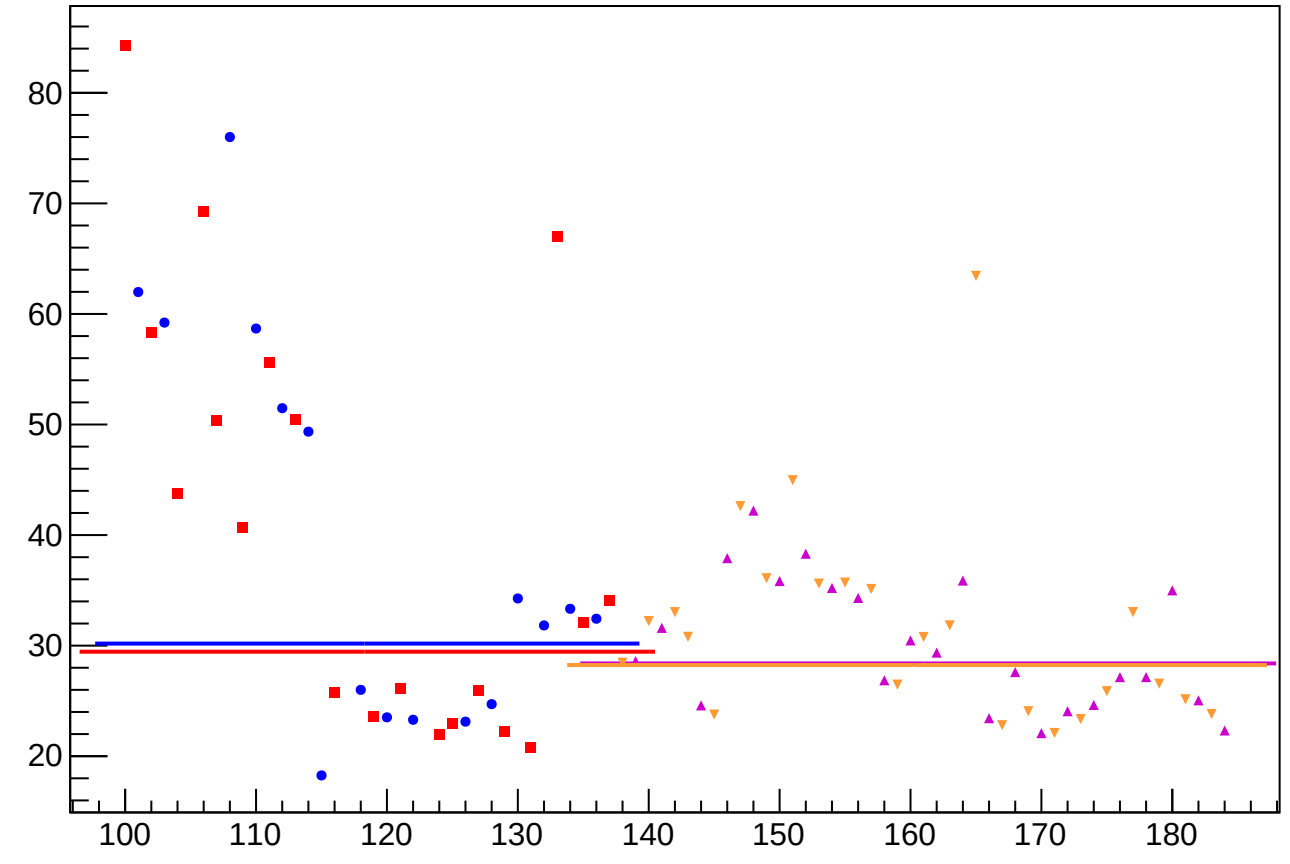
Left: -0.013+/-0.005 χ^2/NDF: 58.2/46

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.002+/-0.006 χ^2/NDF:29.1/38

Out: -0.014+/-0.006 χ^2/NDF:52.8/42

All: -0.008+/-0.004 χ^2/NDF: 83.8/81



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: 28.389+/-0.005 χ^2/NDF:1098849.1/22

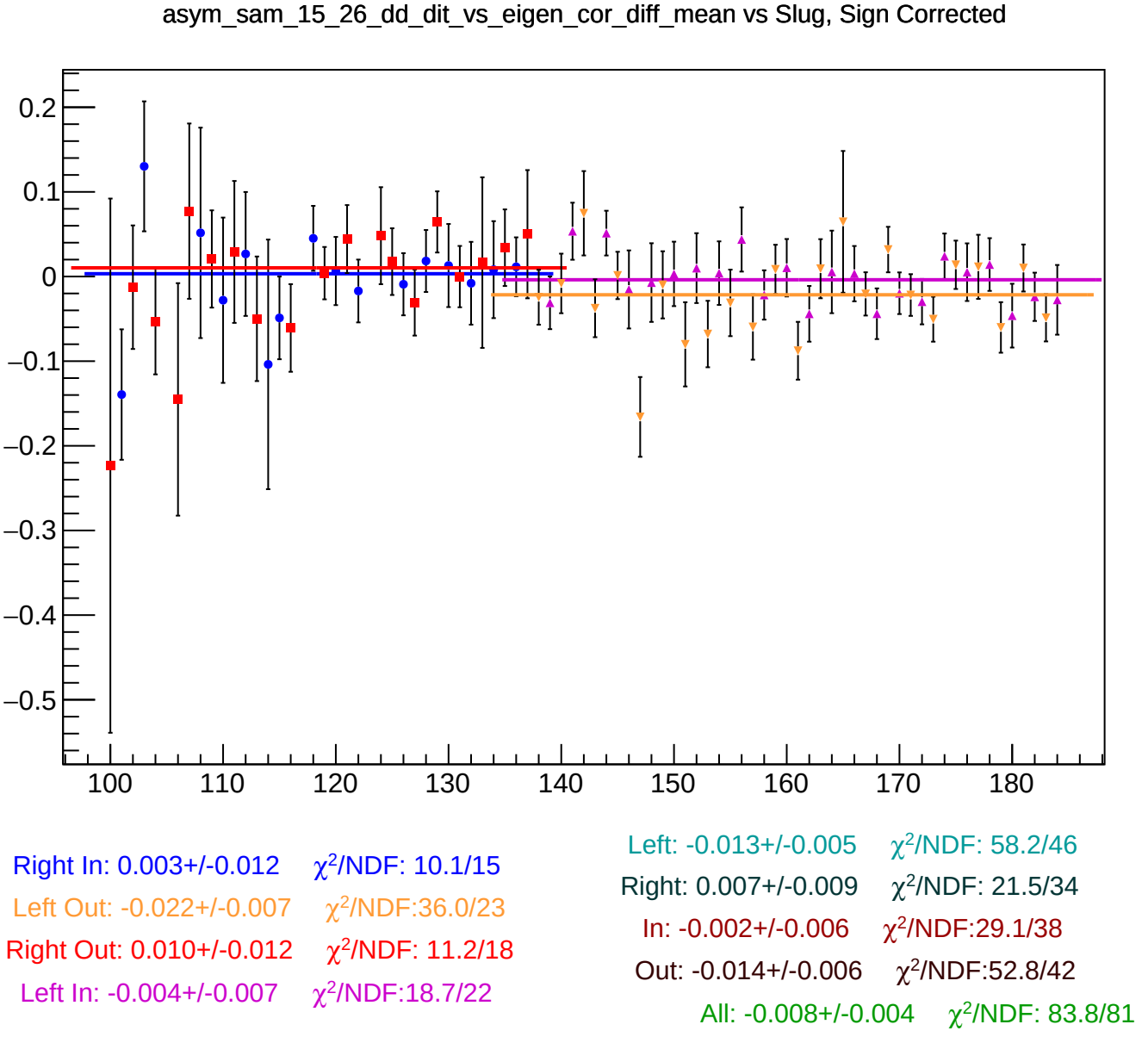
Left: 28.315+/-0.003 χ^2/NDF: 2753364.3/46

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 28.817+/-0.004 χ^2/NDF:2818877.2/38

Out: 28.537+/-0.004 χ^2/NDF:3518498.8/42

All: 28.673+/-0.003 χ^2/NDF: 6339611.5/81


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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−0.1
−0.2
−0.3
−0.4
−0.5
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110
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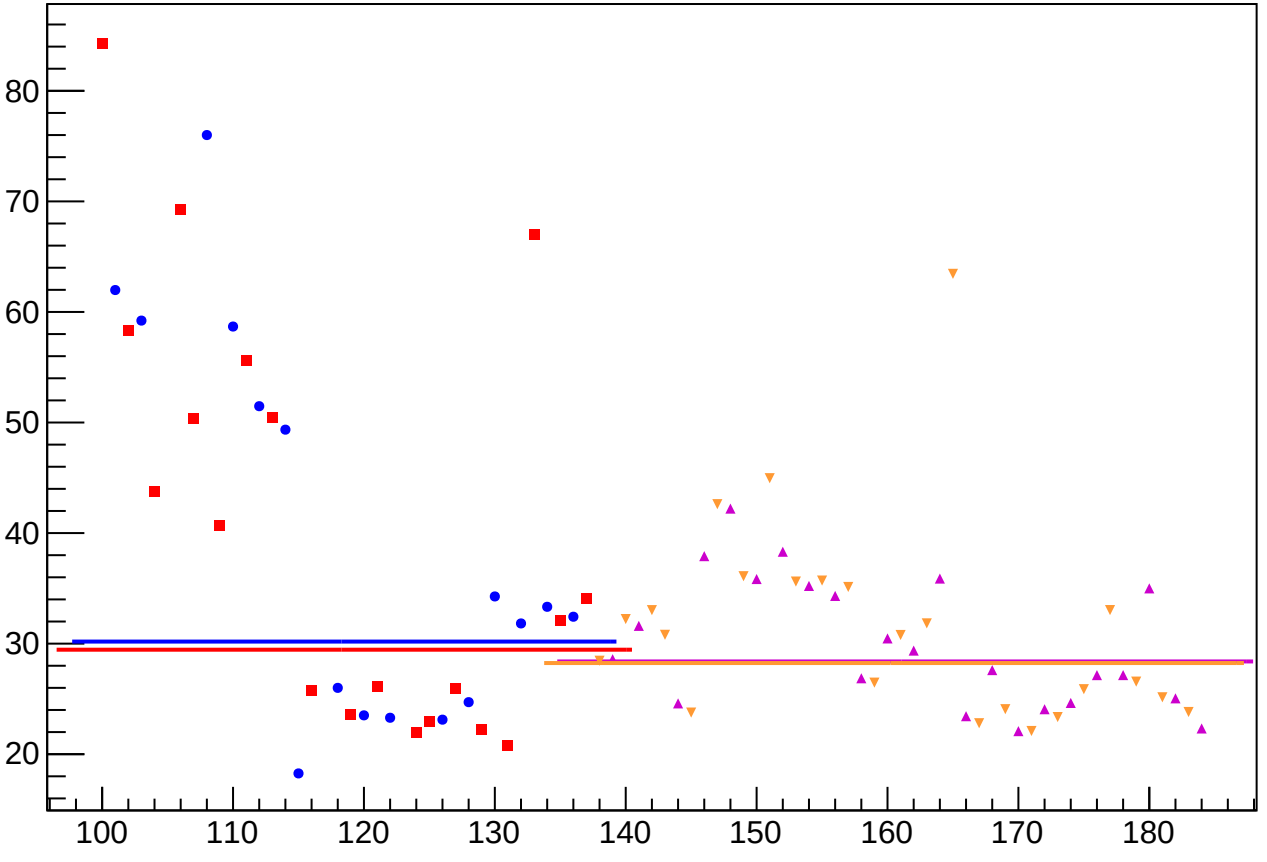
160
170
180
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.022+/-0.007 χ²/NDF:36.0/23
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.004+/-0.007 χ²/NDF:18.7/22
Left: -0.013+/-0.005 χ²/NDF: 58.2/46
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: -0.002+/-0.006 χ²/NDF:29.1/38
Out: -0.014+/-0.006 χ²/NDF:52.8/42
All: -0.008+/-0.004 χ²/NDF: 83.8/81

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: 28.389+/-0.005 χ^2/NDF:1098849.1/22

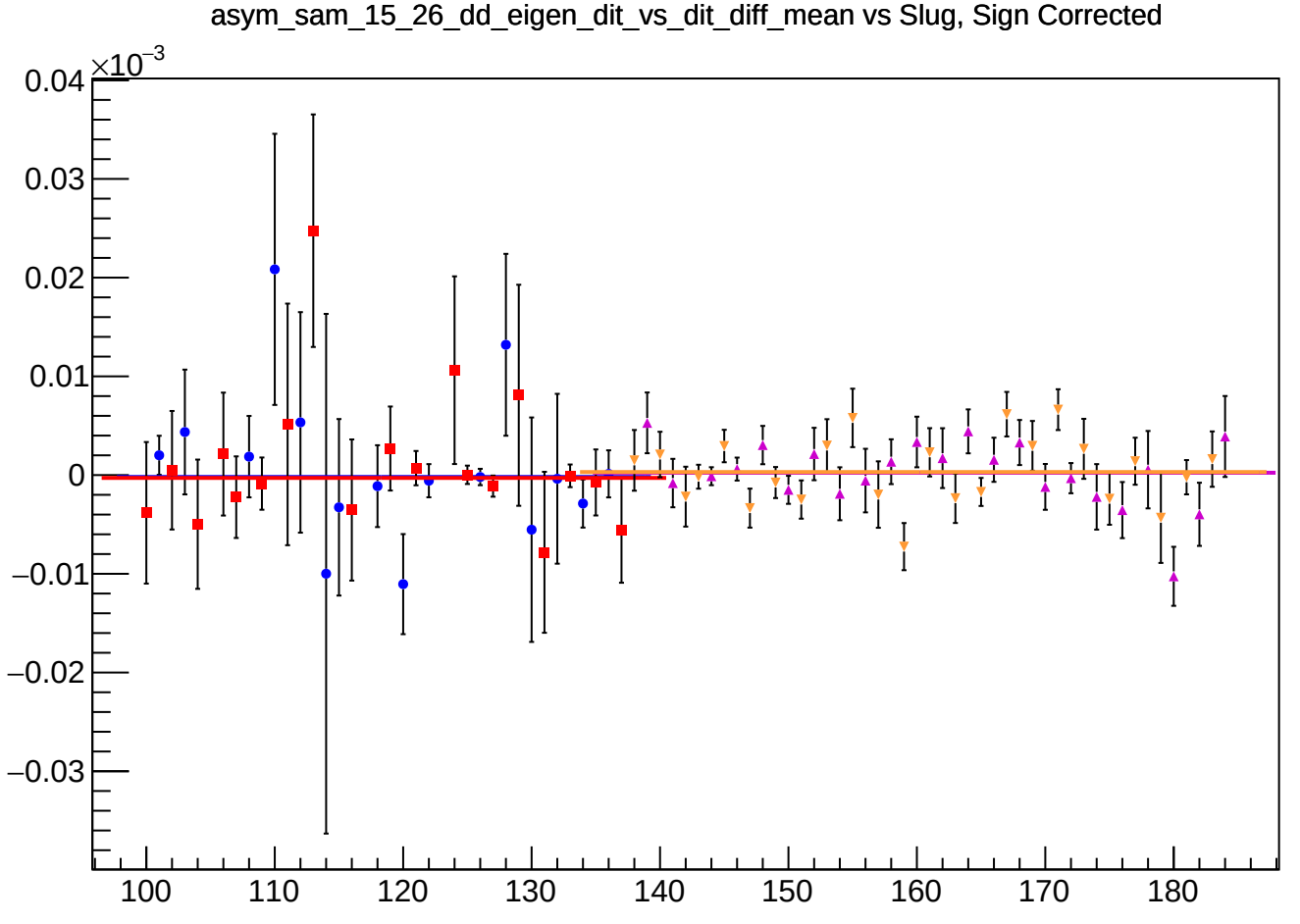
Left: 28.315+/-0.003 χ^2/NDF: 2753364.3/46

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 28.817+/-0.004 χ^2/NDF:2818877.2/38

Out: 28.537+/-0.004 χ^2/NDF:3518498.8/42

All: 28.673+/-0.003 χ^2/NDF: 6339611.5/81



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:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 82.5/46

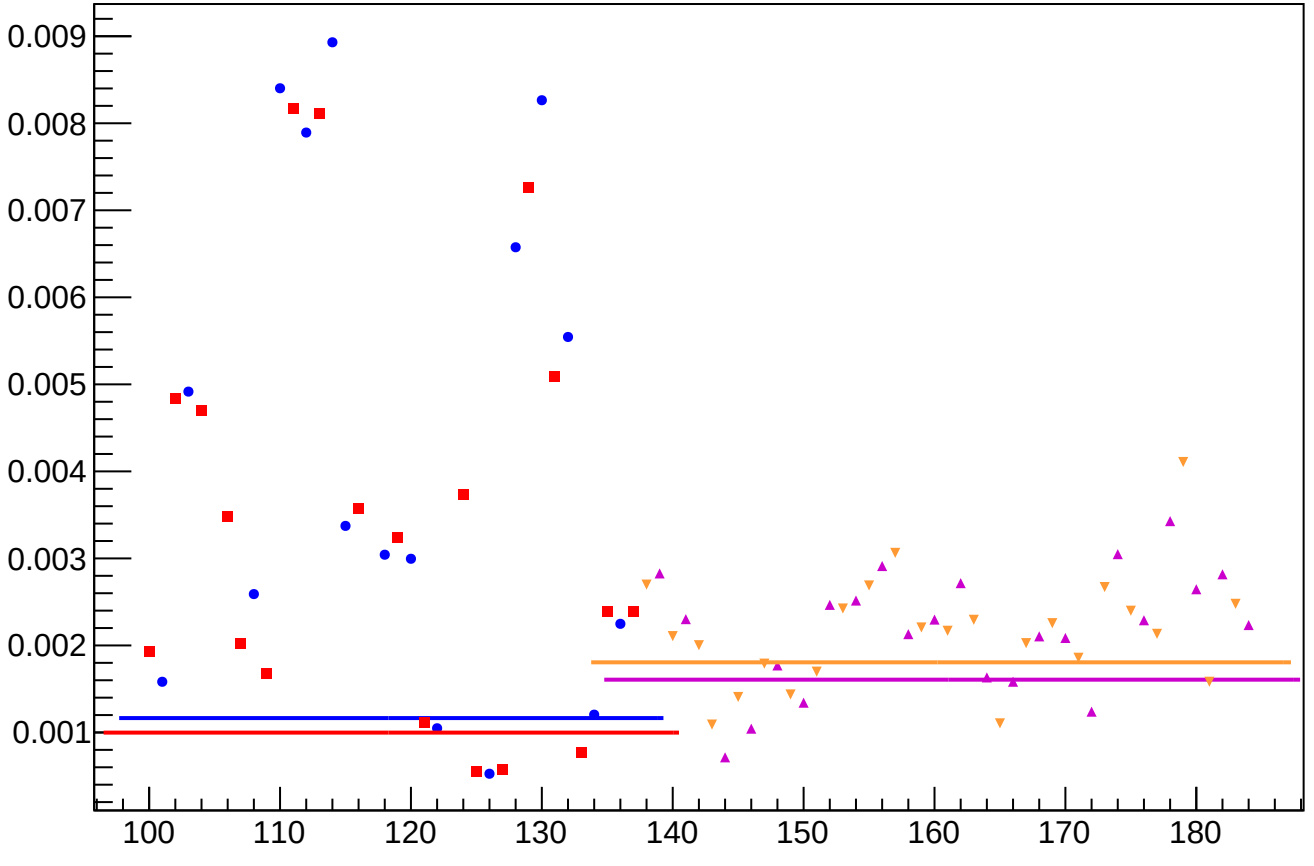
Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:46.7/38

Out: 0.000+/-0.000 χ^2/NDF:61.4/42

All: 0.000+/-0.000 χ^2/NDF: 108.1/81

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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:6034225.5/22

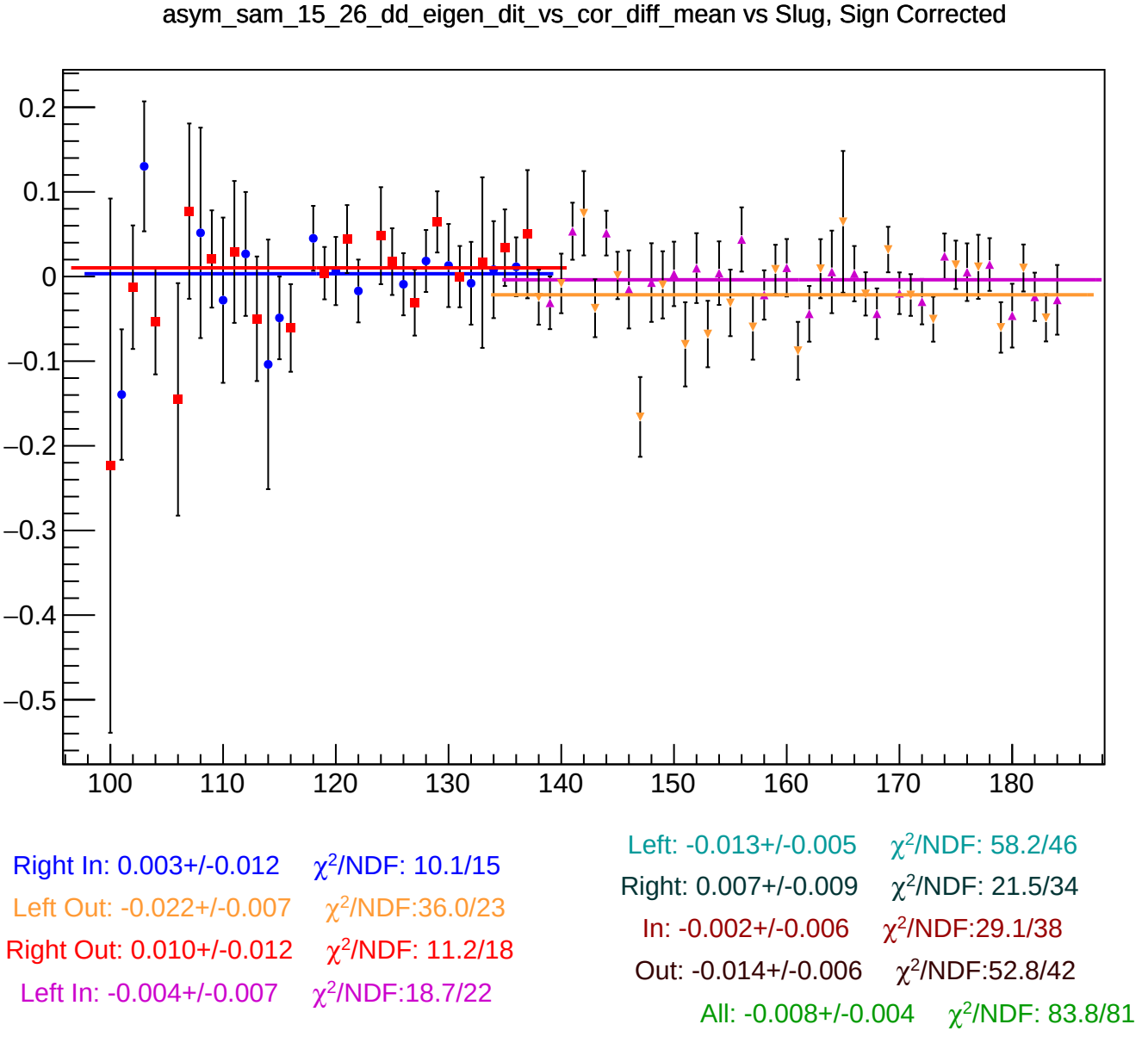
Left: 0.002+/-0.000 χ^2/NDF: 9657597.1/46

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:13615046.5/38

Out: 0.001+/-0.000 χ^2/NDF:13160140.4/42

All: 0.001+/-0.000 χ^2/NDF: 26775935.5/81


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
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−0.1
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−0.3
−0.4
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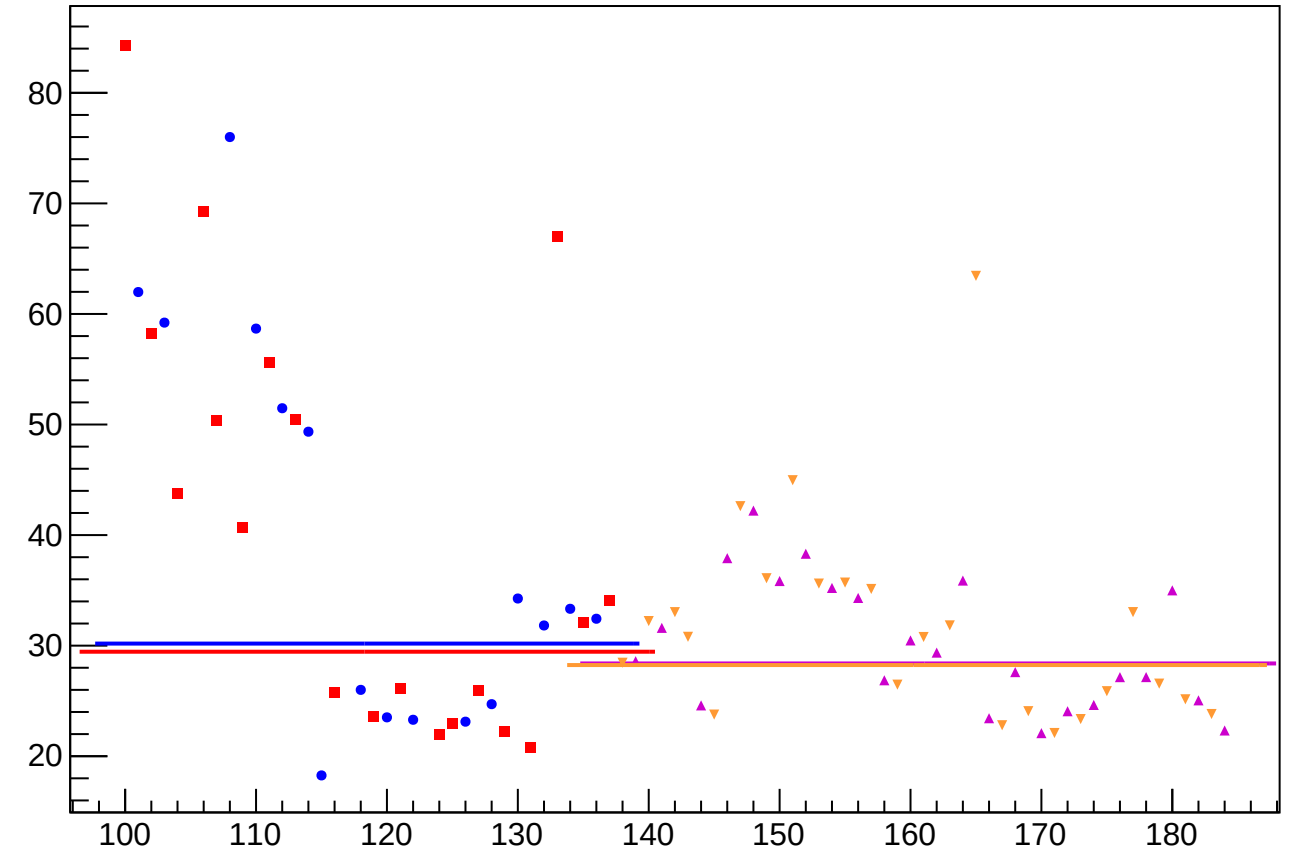
180
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.022+/-0.007 χ²/NDF:36.0/23
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.004+/-0.007 χ²/NDF:18.7/22
Left: -0.013+/-0.005 χ²/NDF: 58.2/46
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: -0.002+/-0.006 χ²/NDF:29.1/38
Out: -0.014+/-0.006 χ²/NDF:52.8/42
All: -0.008+/-0.004 χ²/NDF: 83.8/81



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: 28.389+/-0.005 χ^2/NDF:1098852.1/22

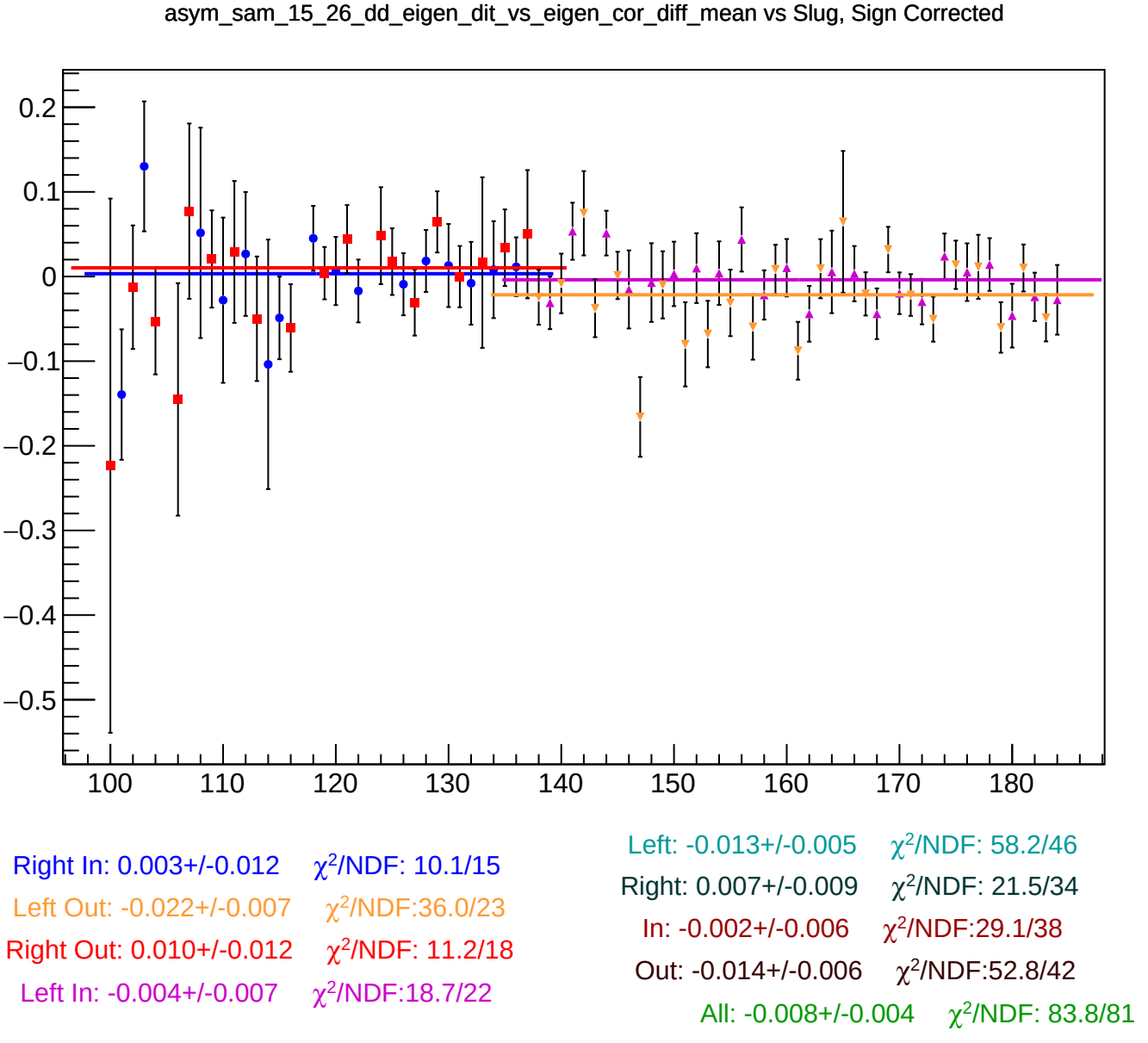
Left: 28.315+/-0.003 χ^2/NDF: 2753359.8/46

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

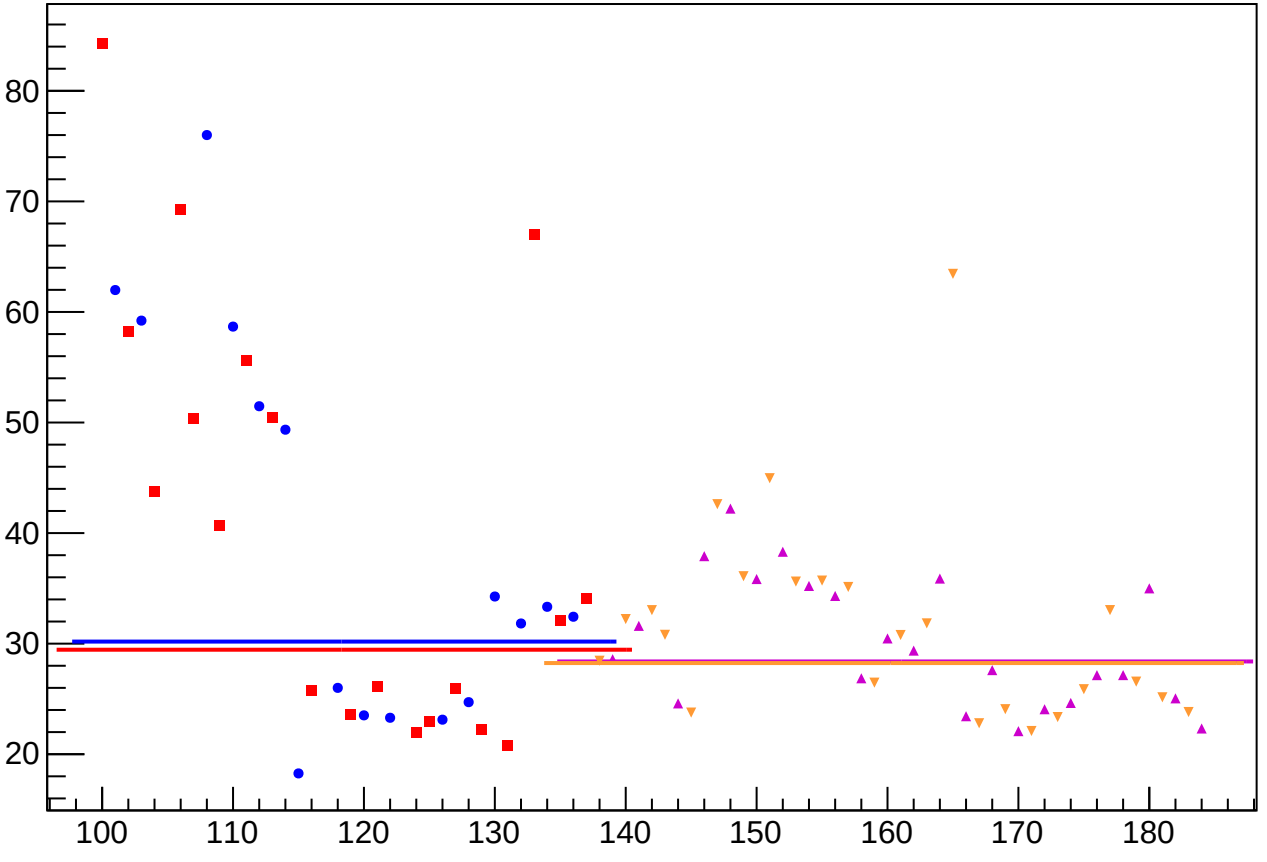
In: 28.817+/-0.004 χ^2/NDF:2818688.0/38

Out: 28.537+/-0.004 χ^2/NDF:3518469.9/42

All: 28.673+/-0.003 χ^2/NDF: 6339398.2/81


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: -0.004+/-0.007 χ²/NDF:18.7/22
Left: -0.013+/-0.005 χ²/NDF: 58.2/46
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: -0.002+/-0.006 χ²/NDF:29.1/38
Out: -0.014+/-0.006 χ²/NDF:52.8/42
All: -0.008+/-0.004 χ²/NDF: 83.8/81

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: 28.389+/-0.005 χ^2/NDF:1098852.1/22

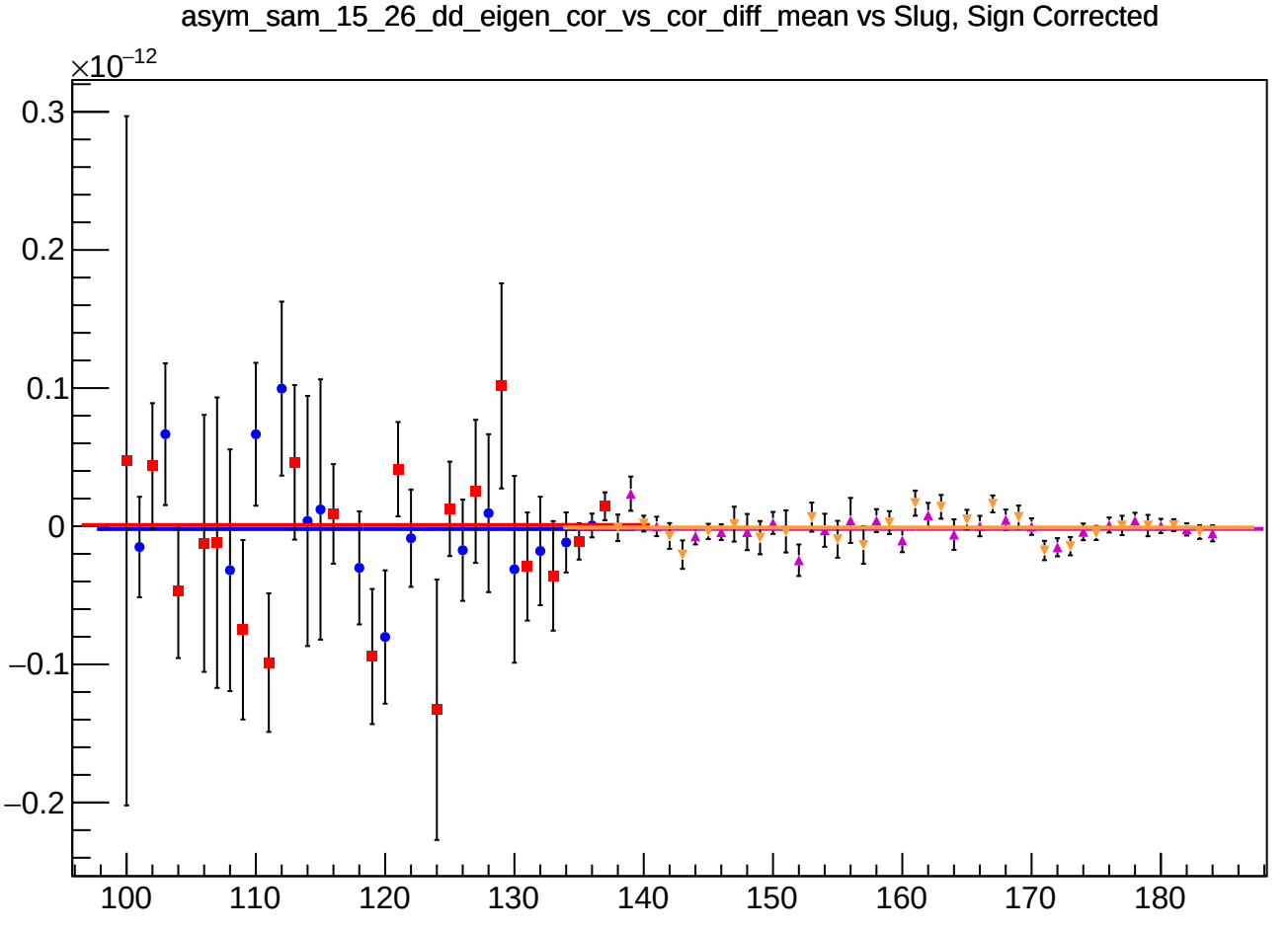
Left: 28.315+/-0.003 χ^2/NDF: 2753359.8/46

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 28.817+/-0.004 χ^2/NDF:2818688.0/38

Out: 28.537+/-0.004 χ^2/NDF:3518469.9/42

All: 28.673+/-0.003 χ^2/NDF: 6339398.2/81



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:19.5/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/46

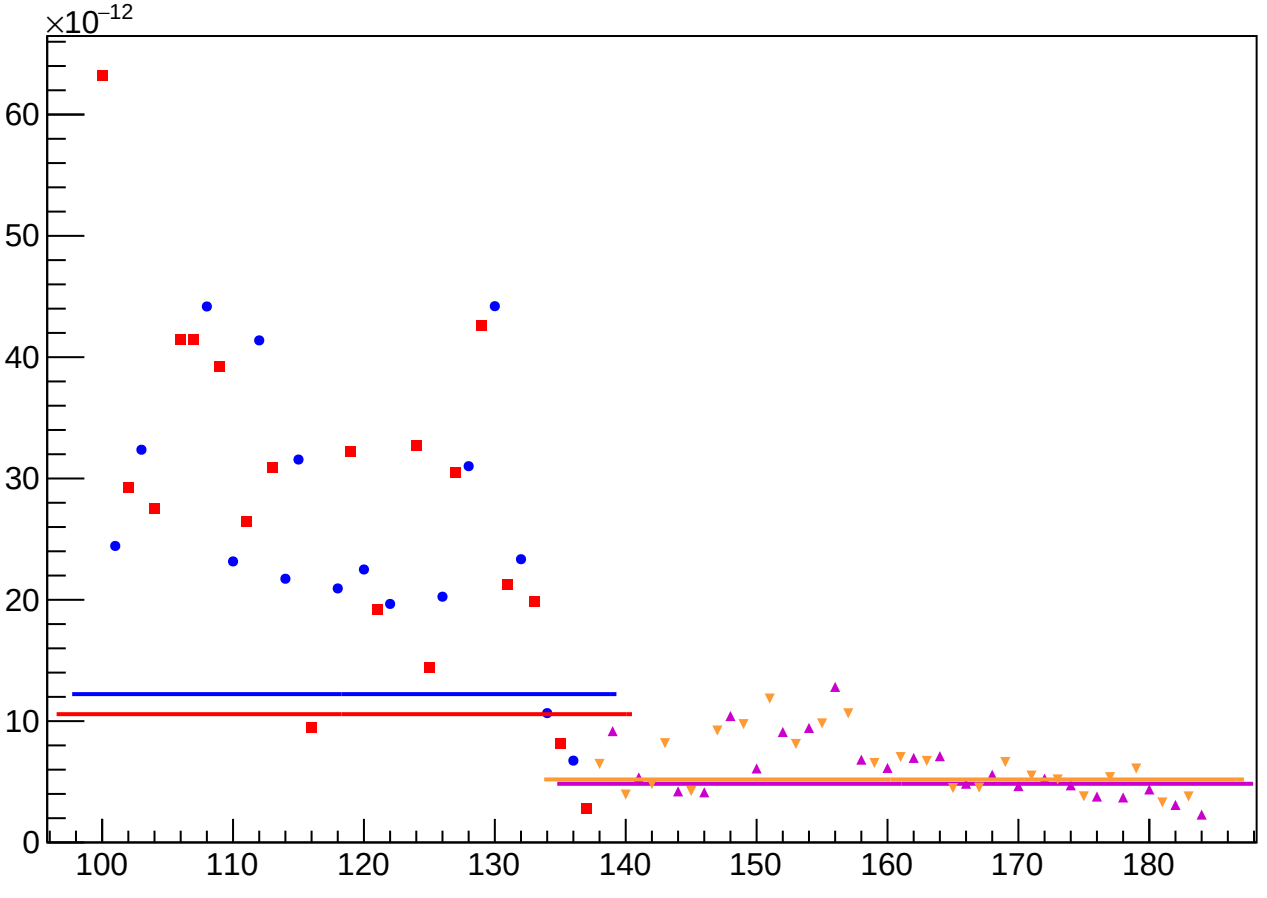
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:29.9/38

Out: -0.000+/-0.000 χ^2/NDF:55.5/42

All: -0.000+/-0.000 χ^2/NDF: 85.8/81

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2977496.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

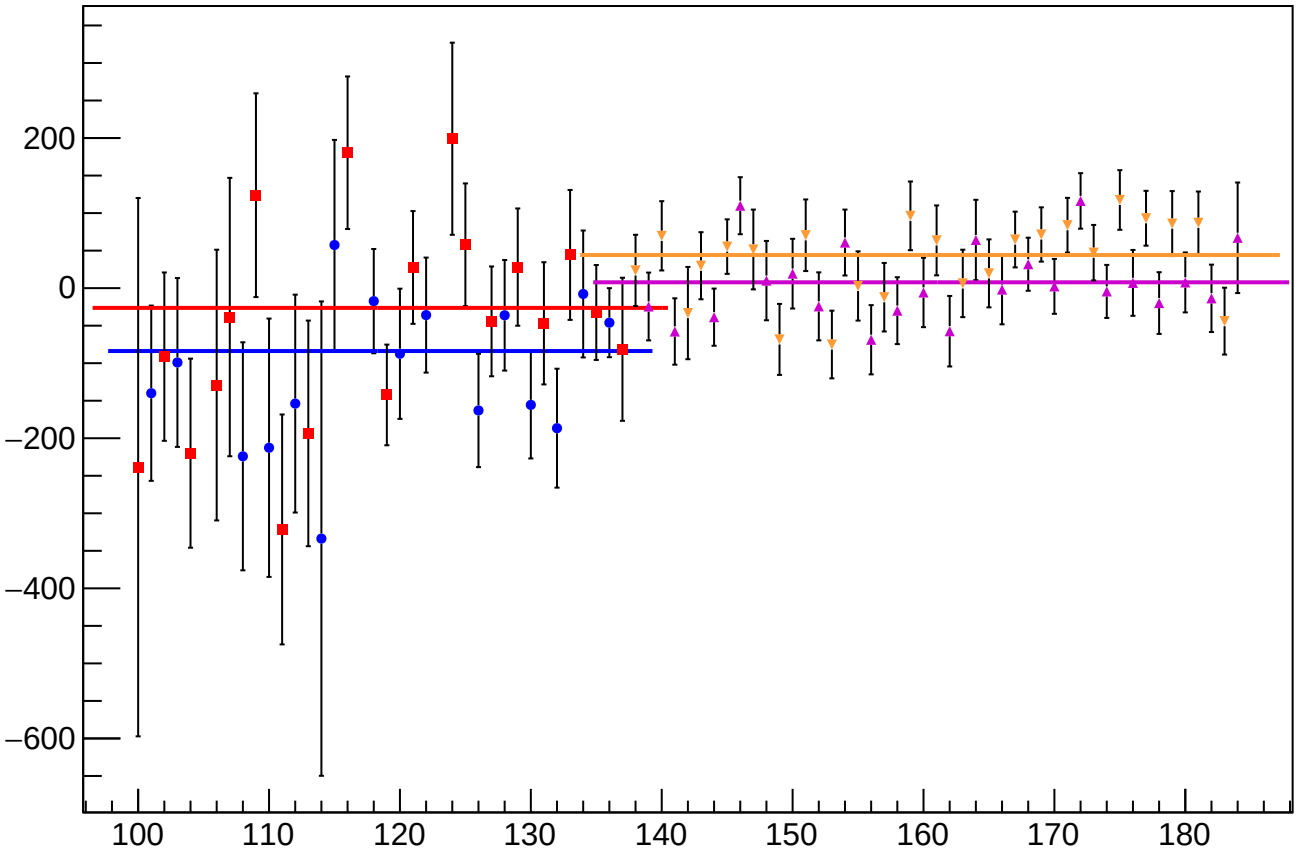
Left: 0.000+/-0.000 χ^2/NDF: 6076993.9/46

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:8726564.2/38

Out: 0.000+/-0.000 χ^2/NDF:8990203.5/42

All: 0.000+/-0.000 χ^2/NDF: 17758767.7/81



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: 7.783+/-8.974 χ^2/NDF:30.6/22

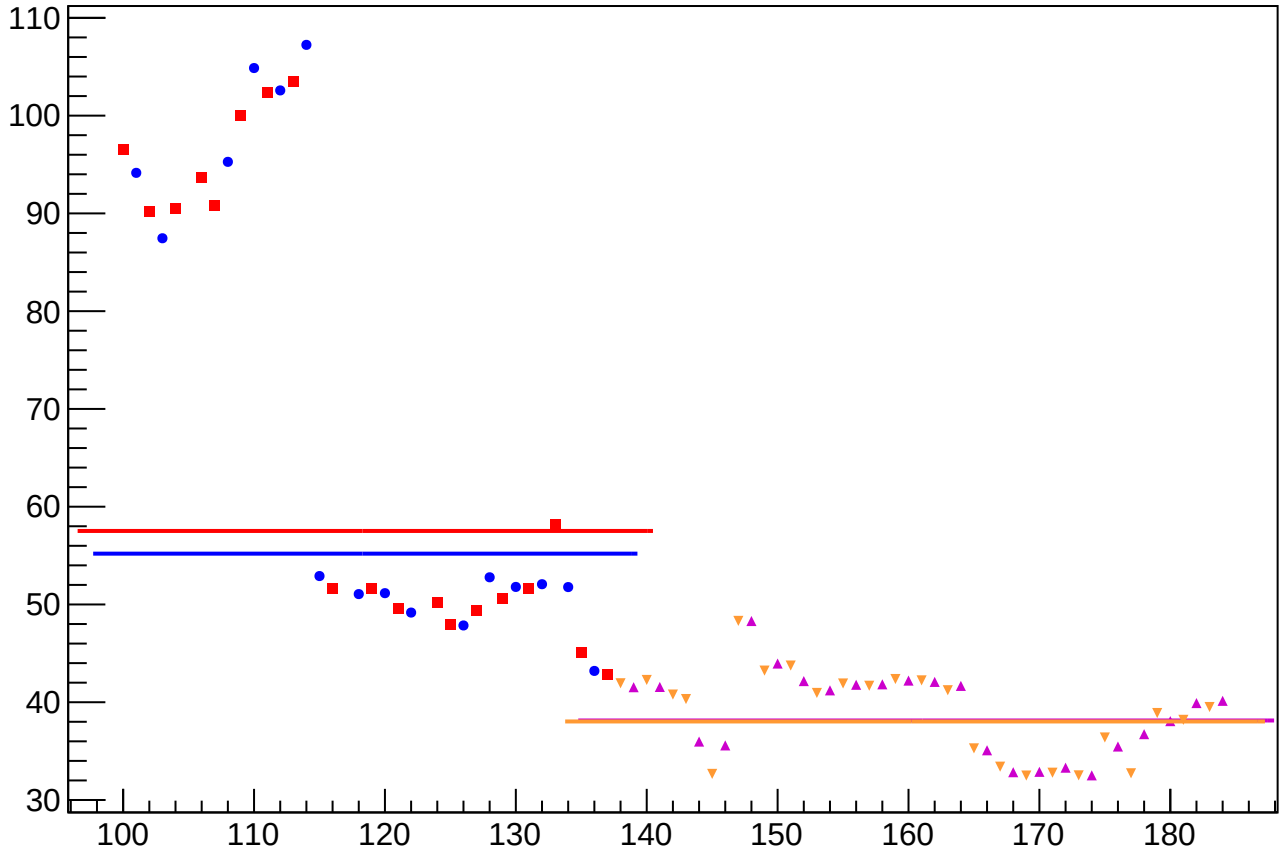
Left: 26.377+/-6.271 χ^2/NDF: 72.2/46

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -5.878+/-8.278 χ^2/NDF:56.7/38

Out: 34.522+/-8.148 χ^2/NDF:65.0/42

All: 14.642+/-5.807 χ^2/NDF: 133.8/81



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: 38.133+/-0.006 χ^2/NDF:428309.7/22

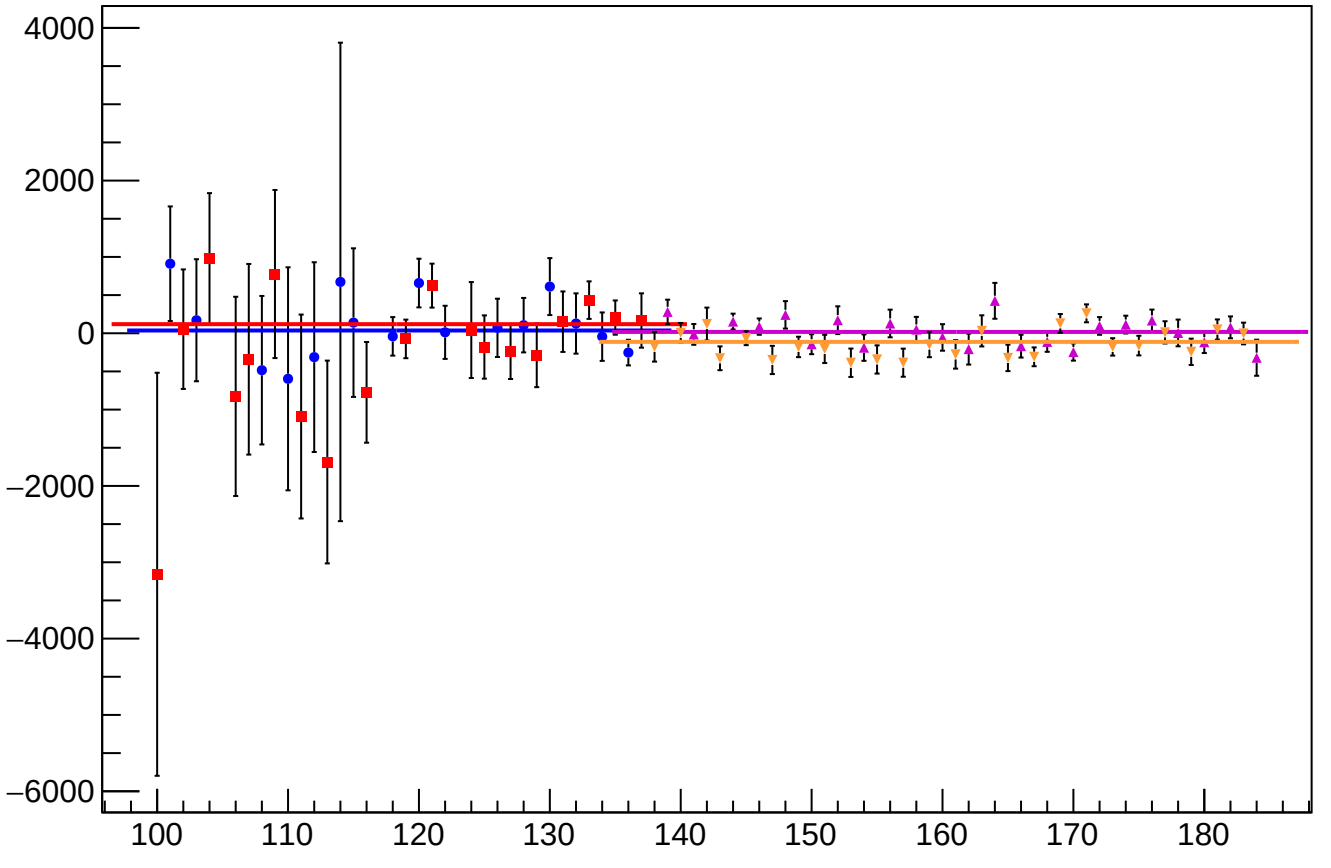
Left: 38.082+/-0.004 χ^2/NDF: 938938.4/46

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 40.678+/-0.006 χ^2/NDF:2659503.2/38

Out: 40.690+/-0.006 χ^2/NDF:3139200.3/42

All: 40.684+/-0.004 χ^2/NDF: 5798705.6/81



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: 17.517+/-30.185 χ^2/NDF:28.2/22

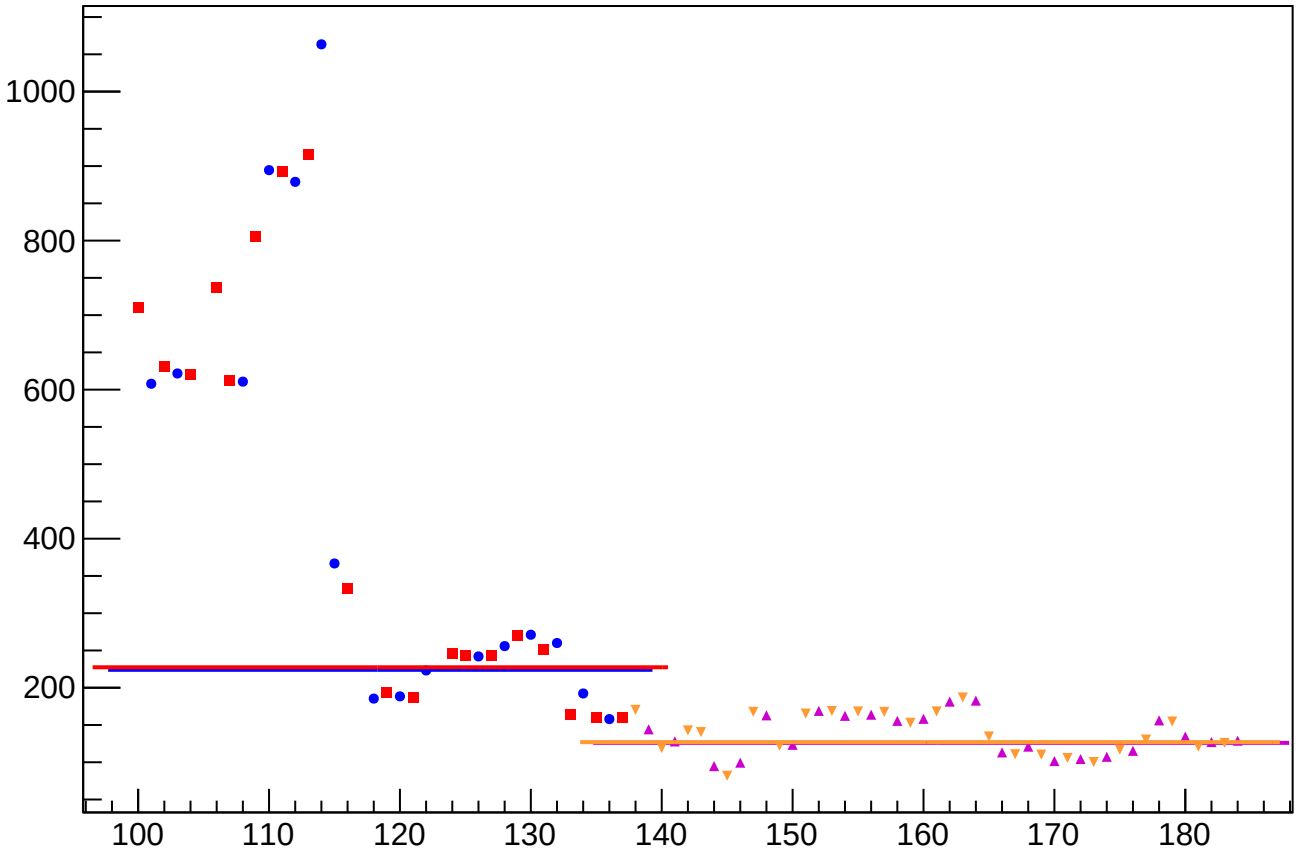
Left: -48.279+/-21.230 χ^2/NDF: 73.2/46

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 19.290+/-28.727 χ^2/NDF:39.7/38

Out: -92.160+/-28.512 χ^2/NDF:56.9/42

All: -36.855+/-20.237 χ^2/NDF: 104.1/81



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: 126.013+/-0.021 χ^2/NDF:1410655.7/22

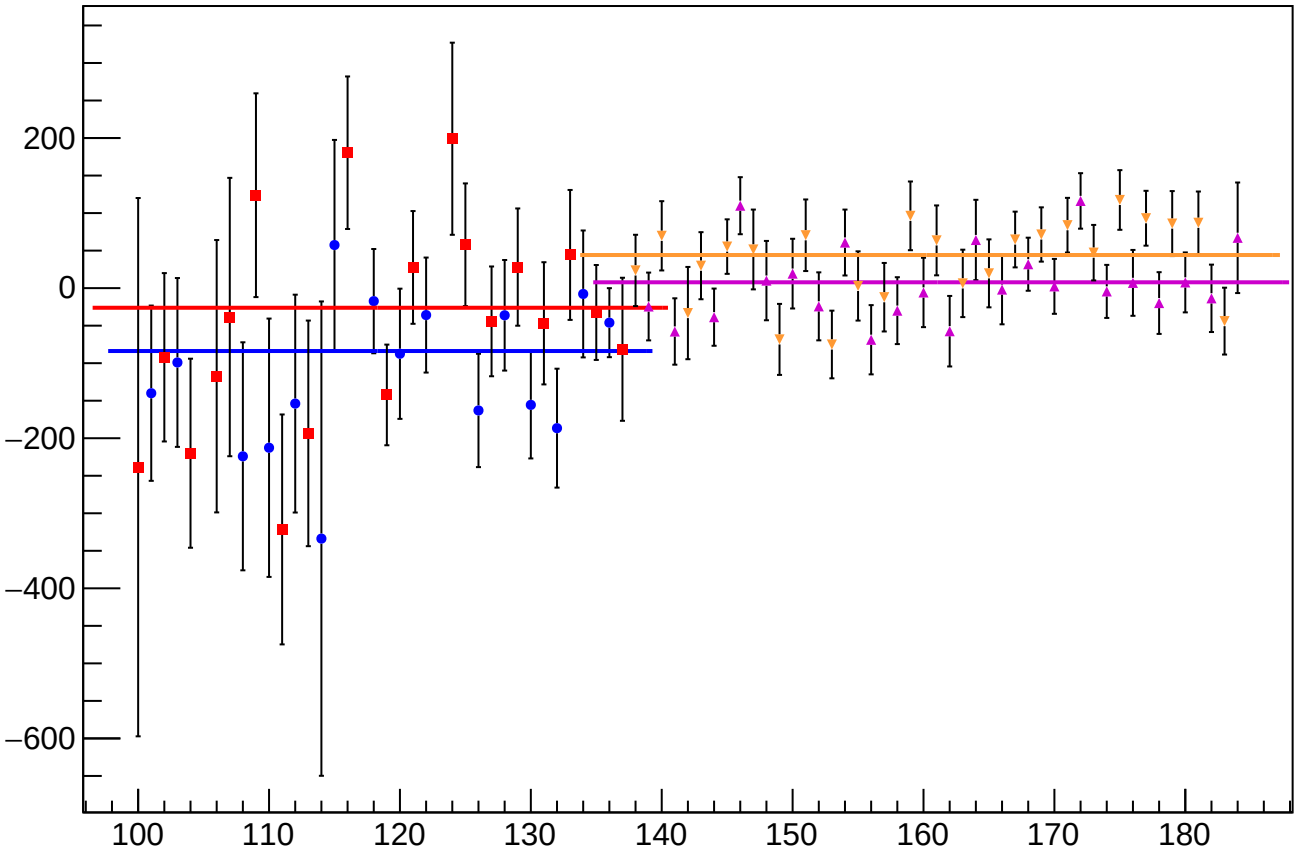
Left: 126.499+/-0.015 χ^2/NDF: 3150642.1/46

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 135.255+/-0.020 χ^2/NDF:6367199.4/38

Out: 135.868+/-0.020 χ^2/NDF:7383464.8/42

All: 135.564+/-0.014 χ^2/NDF: 13751124.1/81



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: 7.785+/-8.974 χ^2/NDF:30.6/22

Left: 26.379+/-6.271 χ^2/NDF: 72.2/46

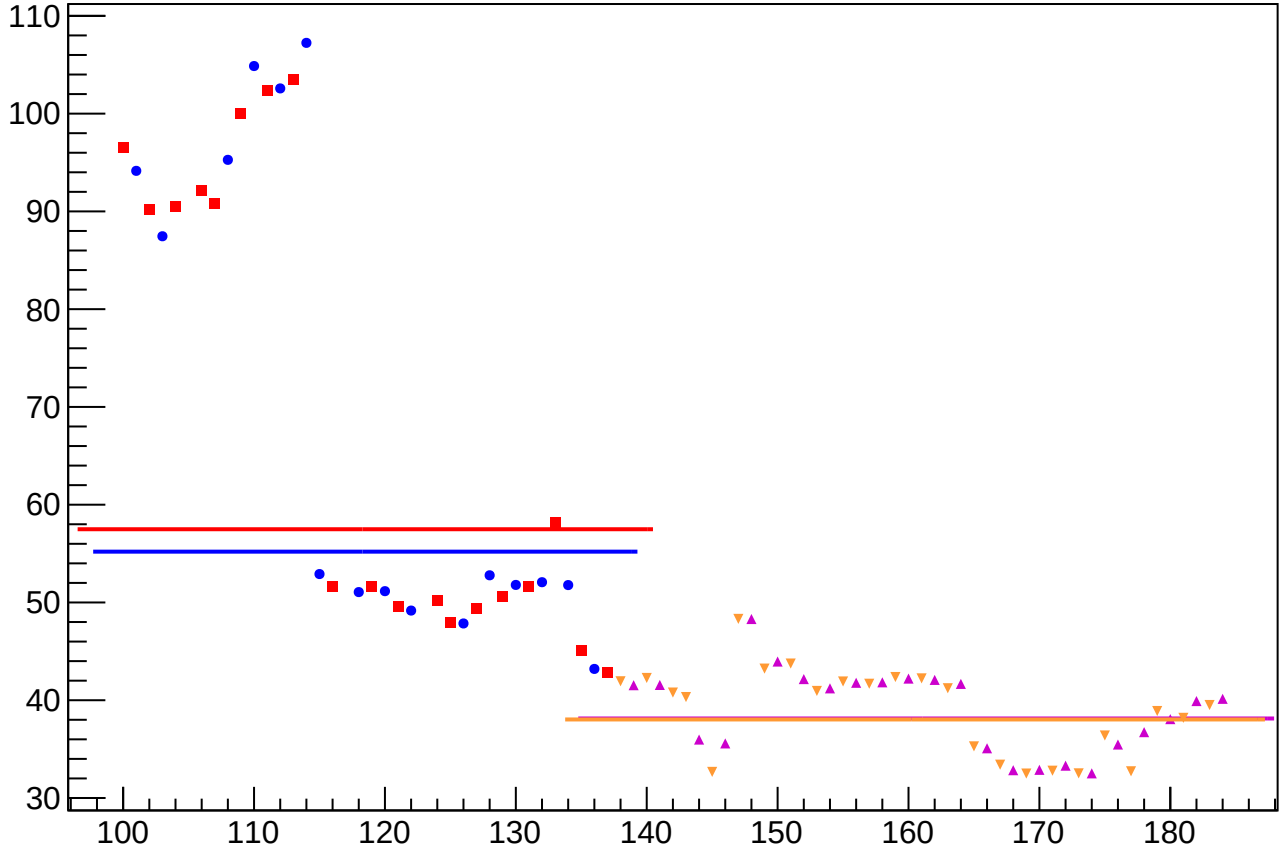
Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -5.876+/-8.278 χ^2/NDF:56.7/38

Out: 34.547+/-8.148 χ^2/NDF:64.9/42

All: 14.655+/-5.807 χ^2/NDF: 133.7/81

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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: 38.133+/-0.006 χ^2/NDF:428309.7/22

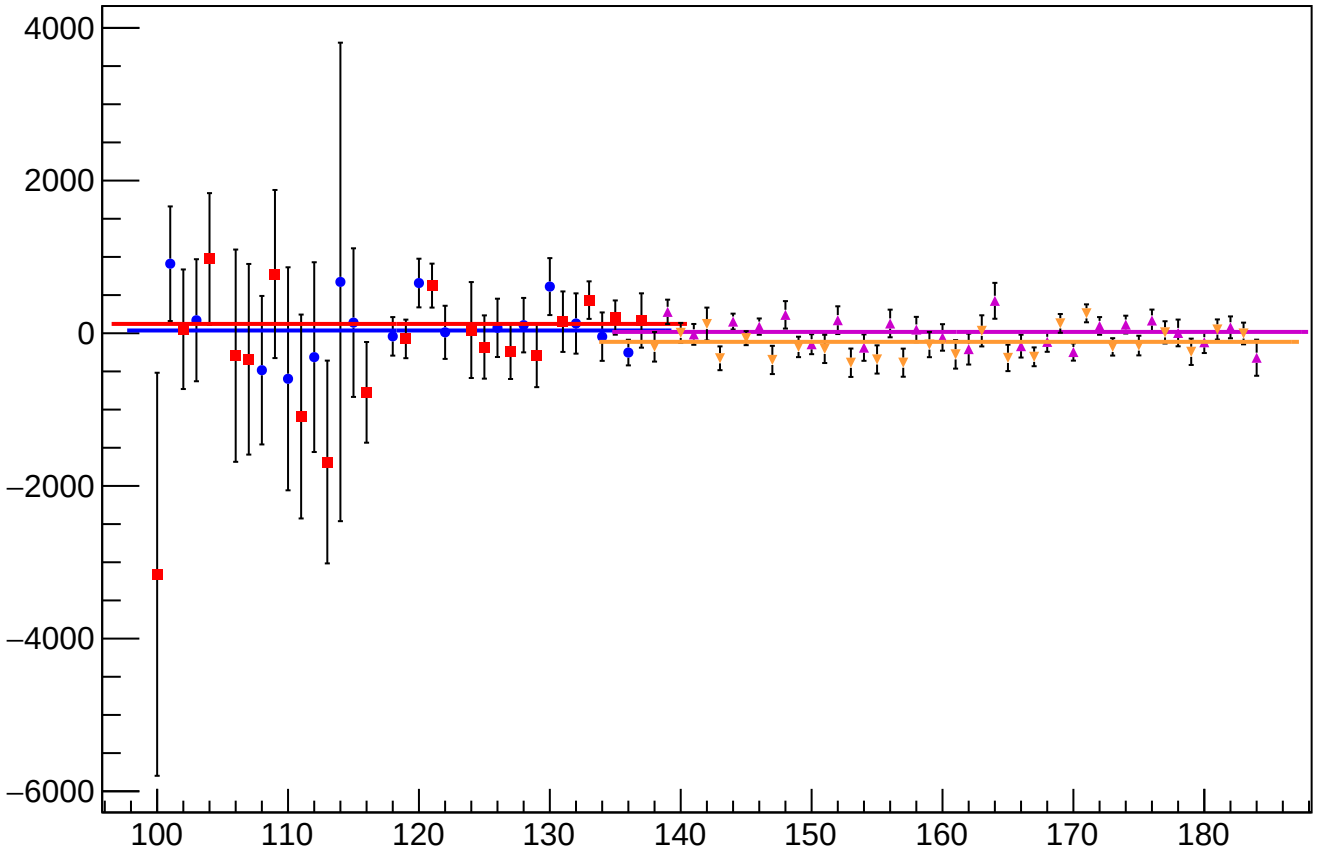
Left: 38.082+/-0.004 χ^2/NDF: 938938.4/46

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 40.678+/-0.006 χ^2/NDF:2659503.5/38

Out: 40.685+/-0.006 χ^2/NDF:3127582.9/42

All: 40.682+/-0.004 χ^2/NDF: 5787087.1/81



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: 17.517+/-30.185 χ^2/NDF:28.2/22

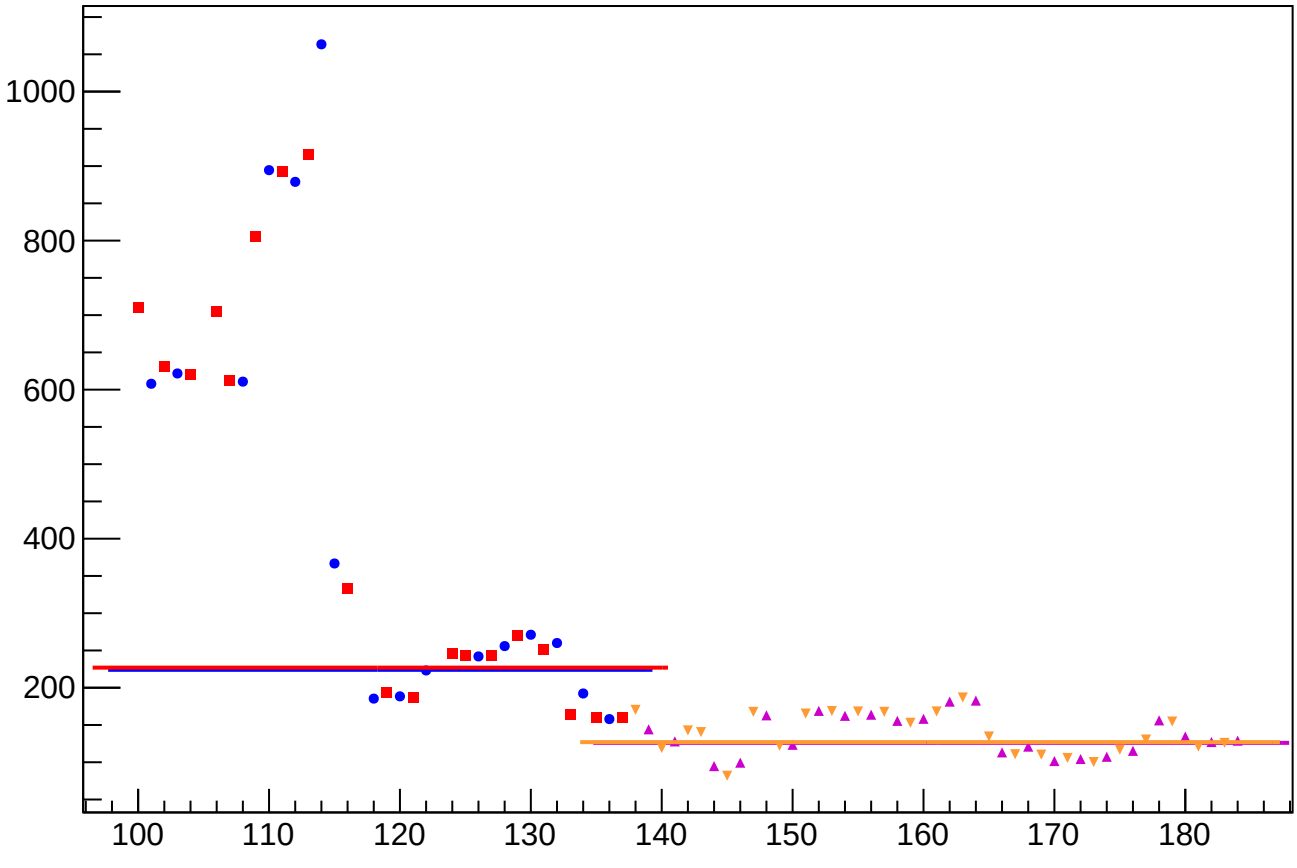
Left: -48.279+/-21.230 χ^2/NDF: 73.2/46

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 19.290+/-28.727 χ^2/NDF:39.7/38

Out: -91.896+/-28.512 χ^2/NDF:56.6/42

All: -36.720+/-20.237 χ^2/NDF: 103.8/81



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: 126.013+/-0.021 χ^2/NDF:1410664.0/22

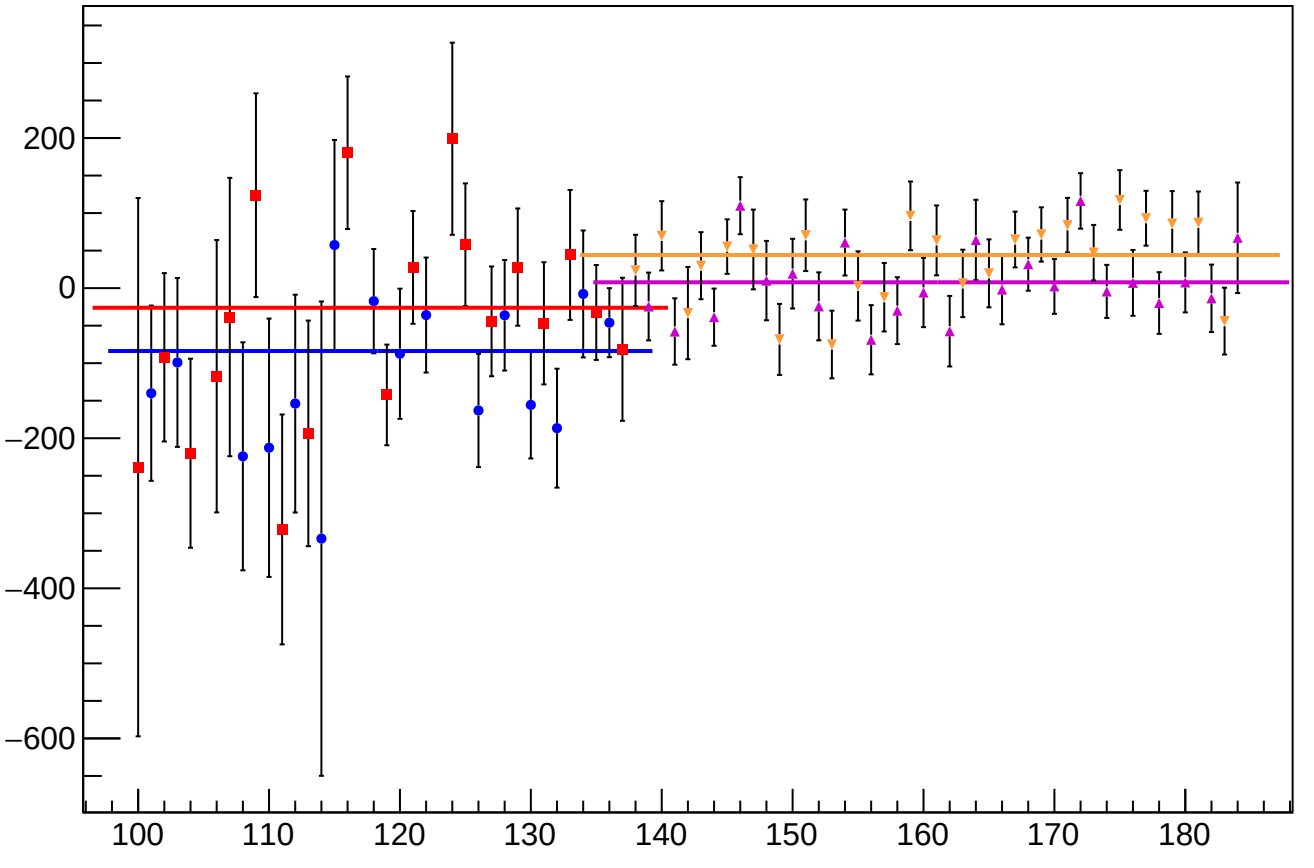
Left: 126.499+/-0.015 χ^2/NDF: 3150646.9/46

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.255+/-0.020 χ^2/NDF:6367219.1/38

Out: 135.821+/-0.020 χ^2/NDF:7294497.2/42

All: 135.540+/-0.014 χ^2/NDF: 13662107.5/81



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: 7.785+/-8.974 χ^2/NDF:30.6/22

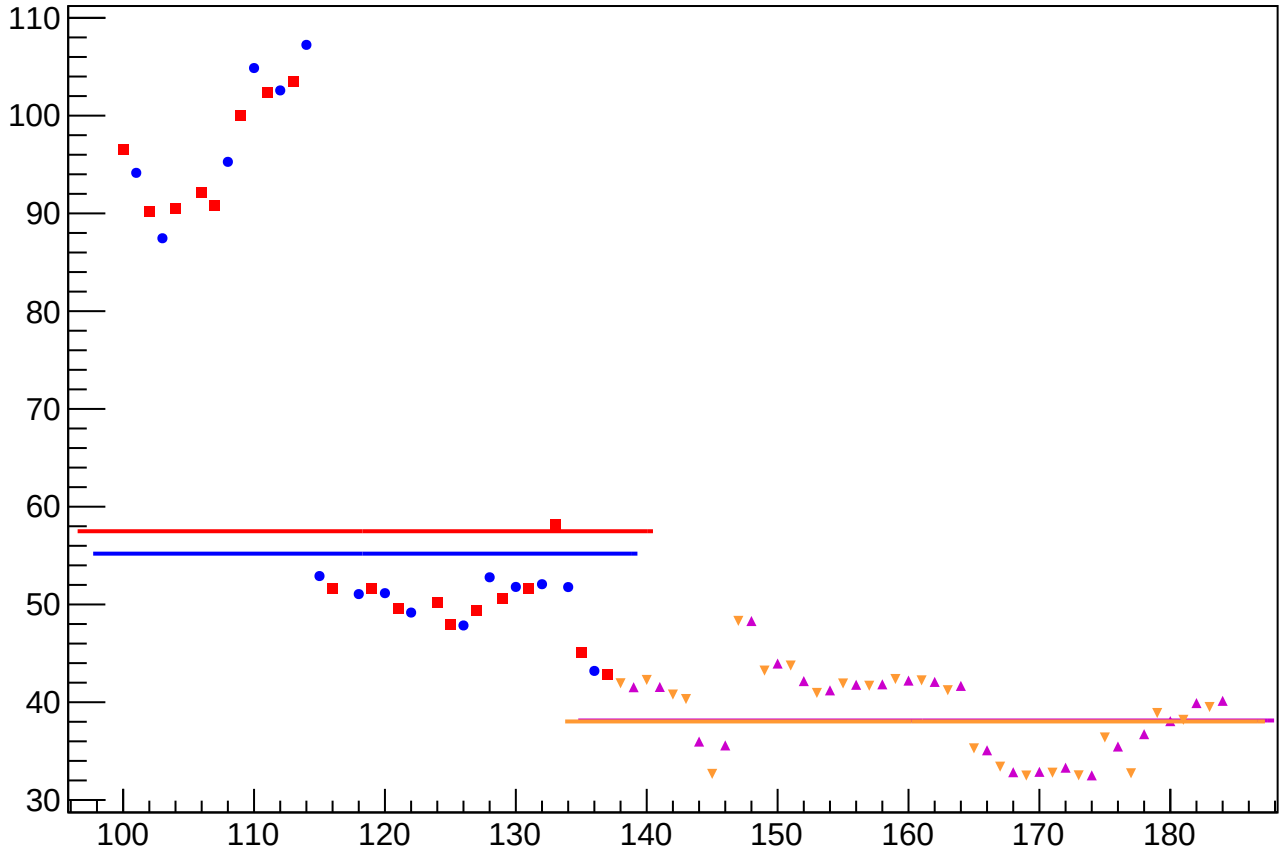
Left: 26.379+/-6.271 χ^2/NDF: 72.2/46

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -5.876+/-8.278 χ^2/NDF:56.7/38

Out: 34.547+/-8.148 χ^2/NDF:64.9/42

All: 14.655+/-5.807 χ^2/NDF: 133.7/81



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: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.082+/-0.004 χ^2/NDF: 938938.4/46

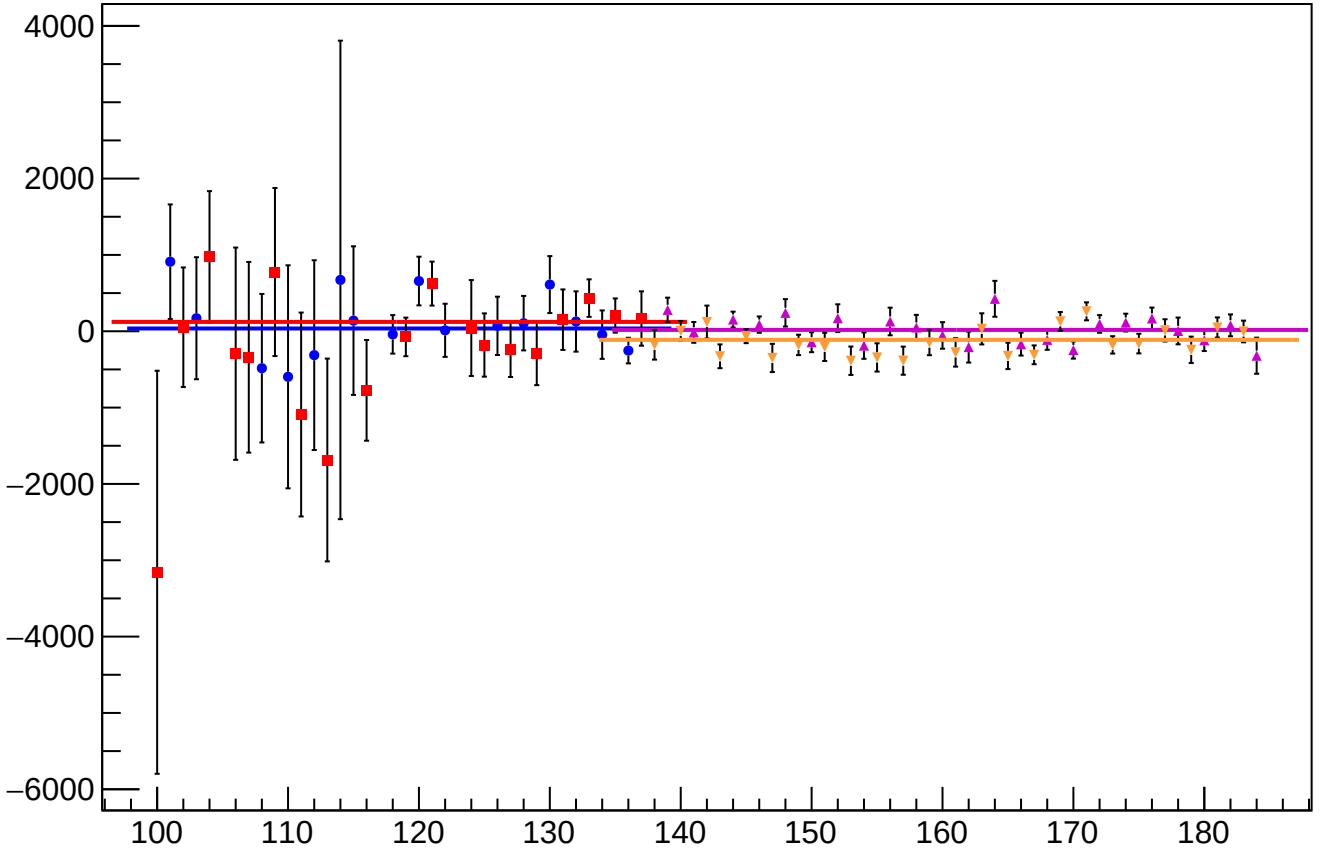
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 40.678+/-0.006 χ^2/NDF:2659503.5/38

Out: 40.685+/-0.006 χ^2/NDF:3127582.9/42

All: 40.682+/-0.004 χ^2/NDF: 5787087.1/81

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: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -48.279+/-21.230 χ^2/NDF: 73.2/46

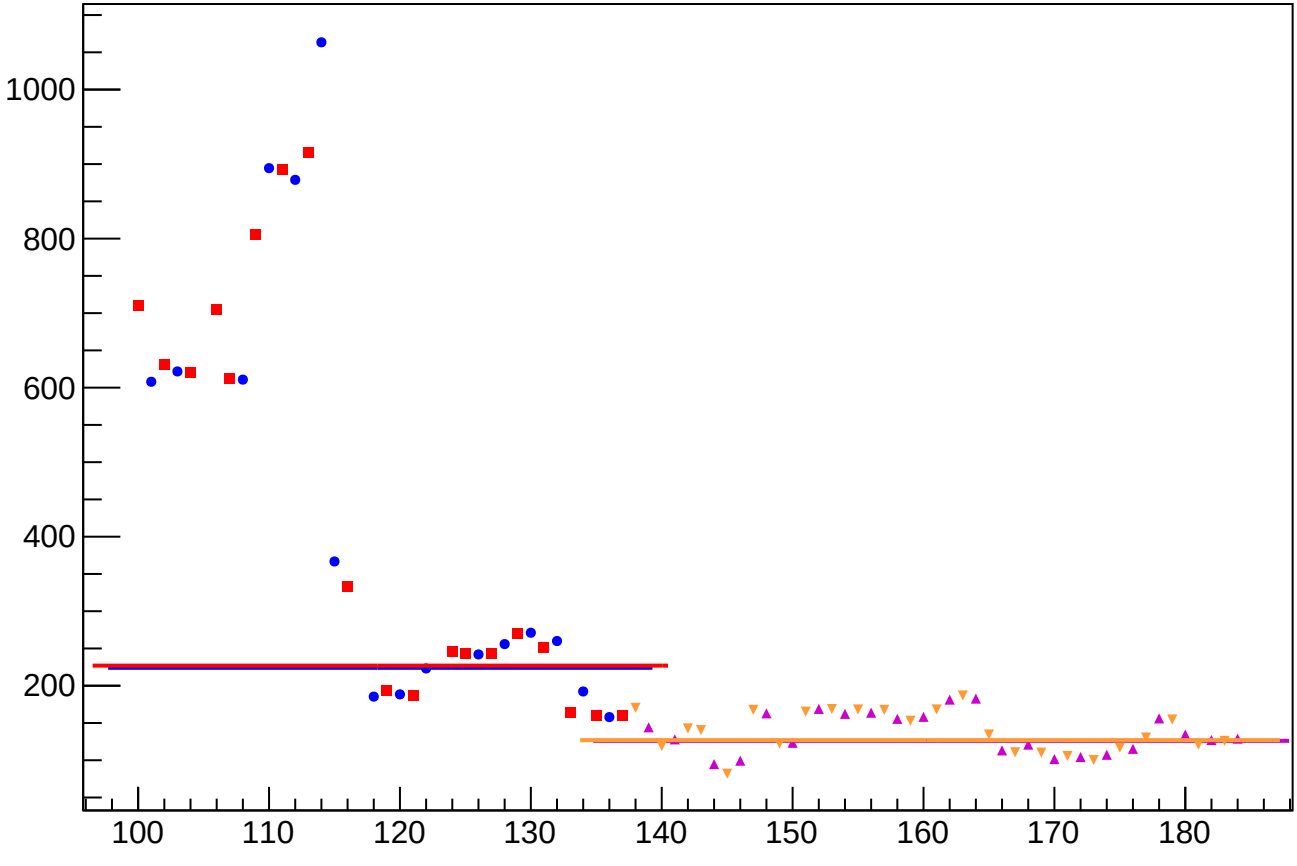
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 19.290+/-28.727 χ^2/NDF:39.7/38

Out: -91.896+/-28.512 χ^2/NDF:56.6/42

All: -36.720+/-20.237 χ^2/NDF: 103.8/81

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: 126.013+/-0.021 χ^2/NDF:1410664.0/22

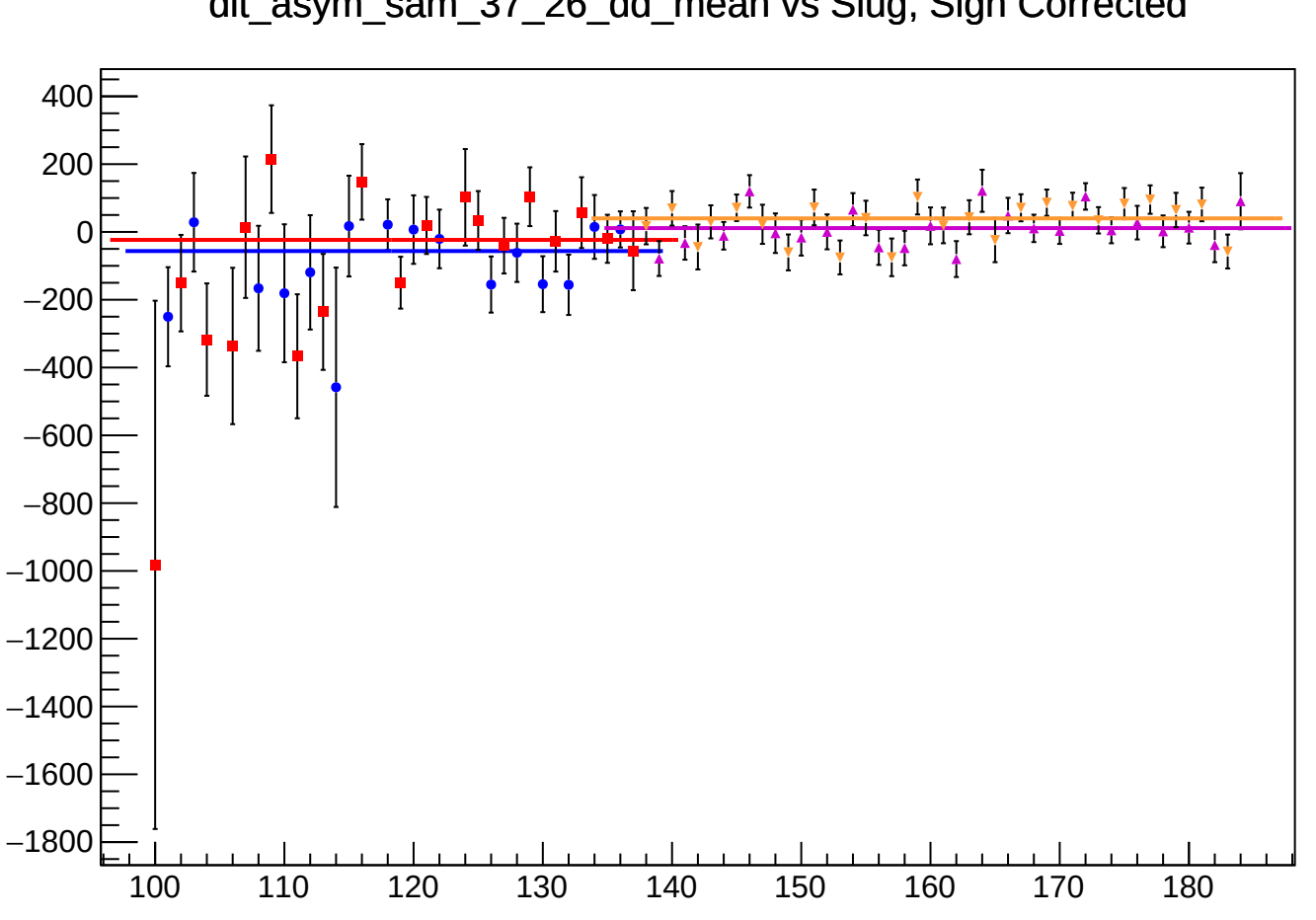
Left: 126.499+/-0.015 χ^2/NDF: 3150646.9/46

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.255+/-0.020 χ^2/NDF:6367219.1/38

Out: 135.821+/-0.020 χ^2/NDF:7294497.2/42

All: 135.540+/-0.014 χ^2/NDF: 13662107.5/81



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: 11.306+/-10.077 χ^2/NDF:27.9/22

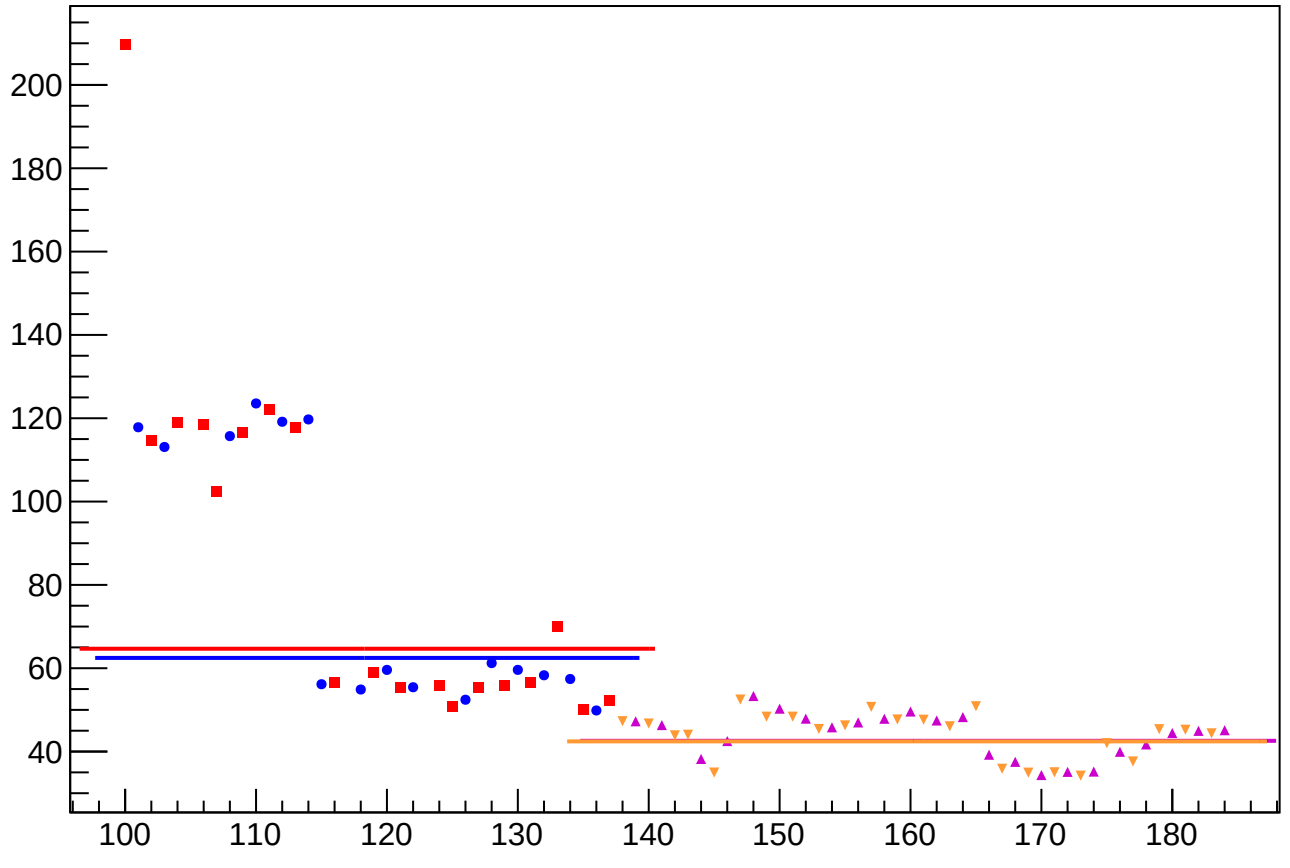
Left: 26.053+/-7.031 χ^2/NDF: 61.5/46

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: 1.499+/-9.319 χ^2/NDF:46.7/38

Out: 31.651+/-9.145 χ^2/NDF:59.1/42

All: 16.860+/-6.527 χ^2/NDF: 111.1/81



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: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.508+/-0.005 χ^2/NDF: 1288579.8/46

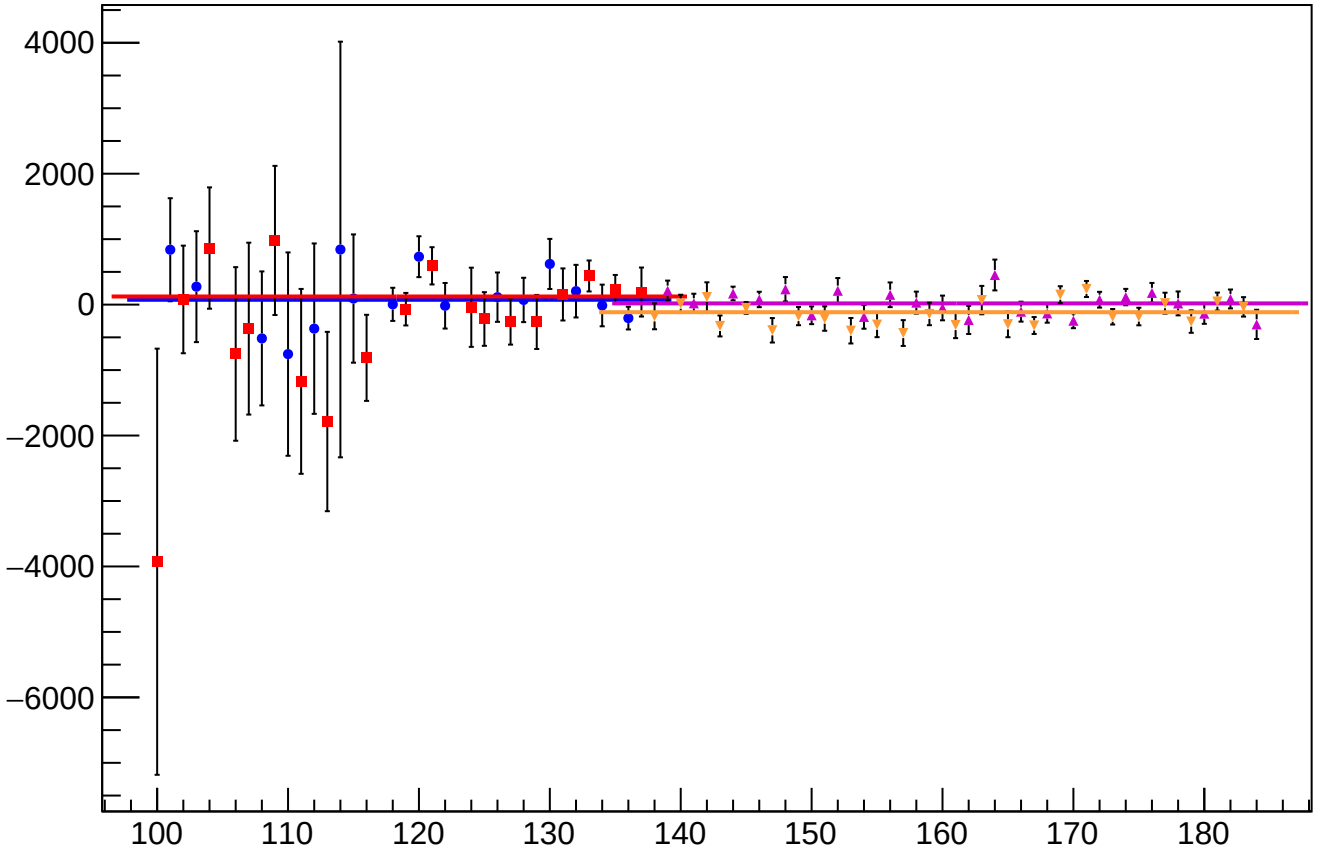
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 45.460+/-0.007 χ^2/NDF:3067016.8/38

Out: 45.378+/-0.006 χ^2/NDF:3645204.8/42

All: 45.418+/-0.005 χ^2/NDF: 6712300.8/81

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: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -49.456+/-22.092 χ^2/NDF: 70.6/46

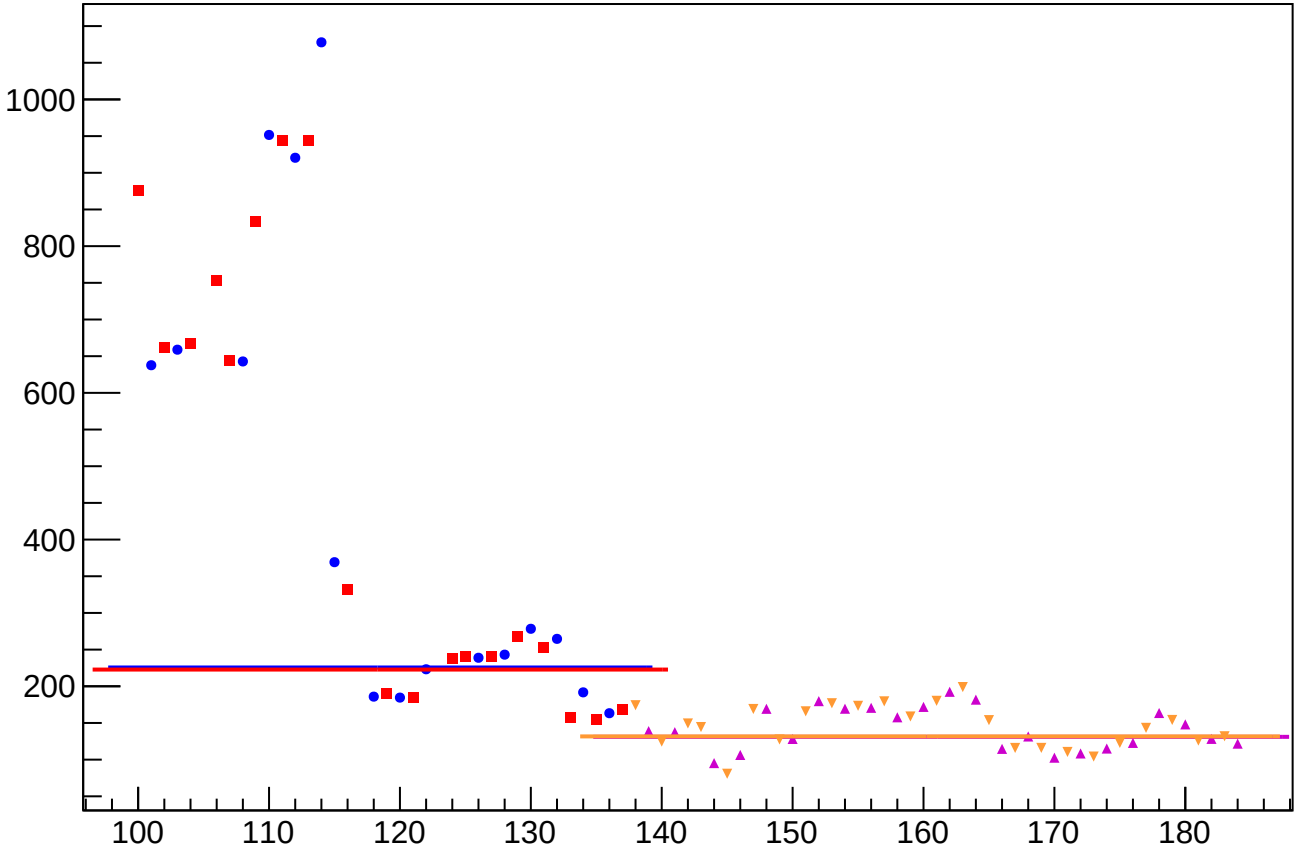
Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 24.377+/-29.863 χ^2/NDF:38.7/38

Out: -92.501+/-29.474 χ^2/NDF:56.2/42

All: -34.830+/-20.977 χ^2/NDF: 102.7/81

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: 131.074+/-0.022 χ^2/NDF:1467806.6/22

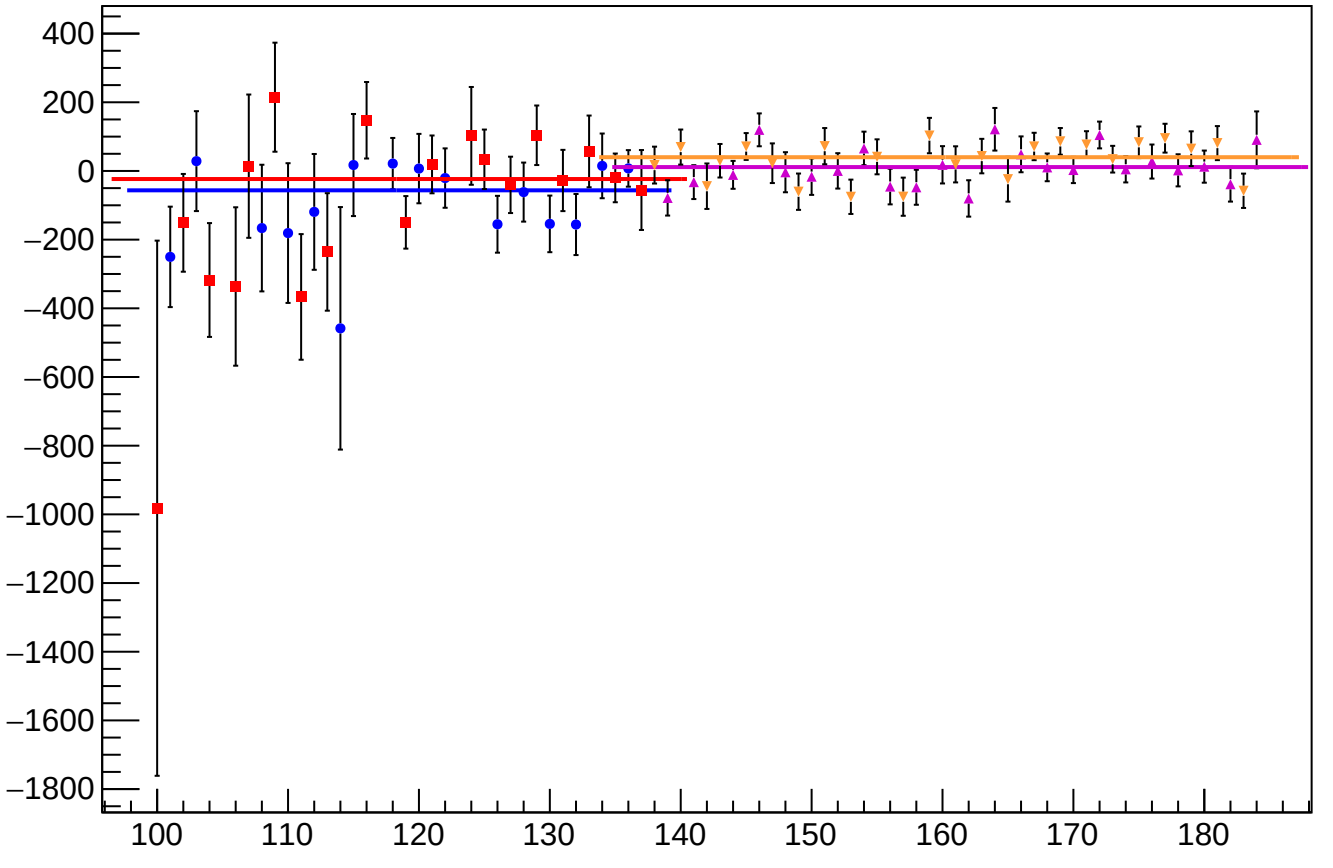
Left: 131.379+/-0.016 χ^2/NDF: 3367925.1/46

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 140.517+/-0.021 χ^2/NDF:6295886.2/38

Out: 140.507+/-0.021 χ^2/NDF:7420966.8/42

All: 140.512+/-0.015 χ^2/NDF: 13716853.1/81



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: 11.306+/-10.077 χ^2/NDF:27.9/22

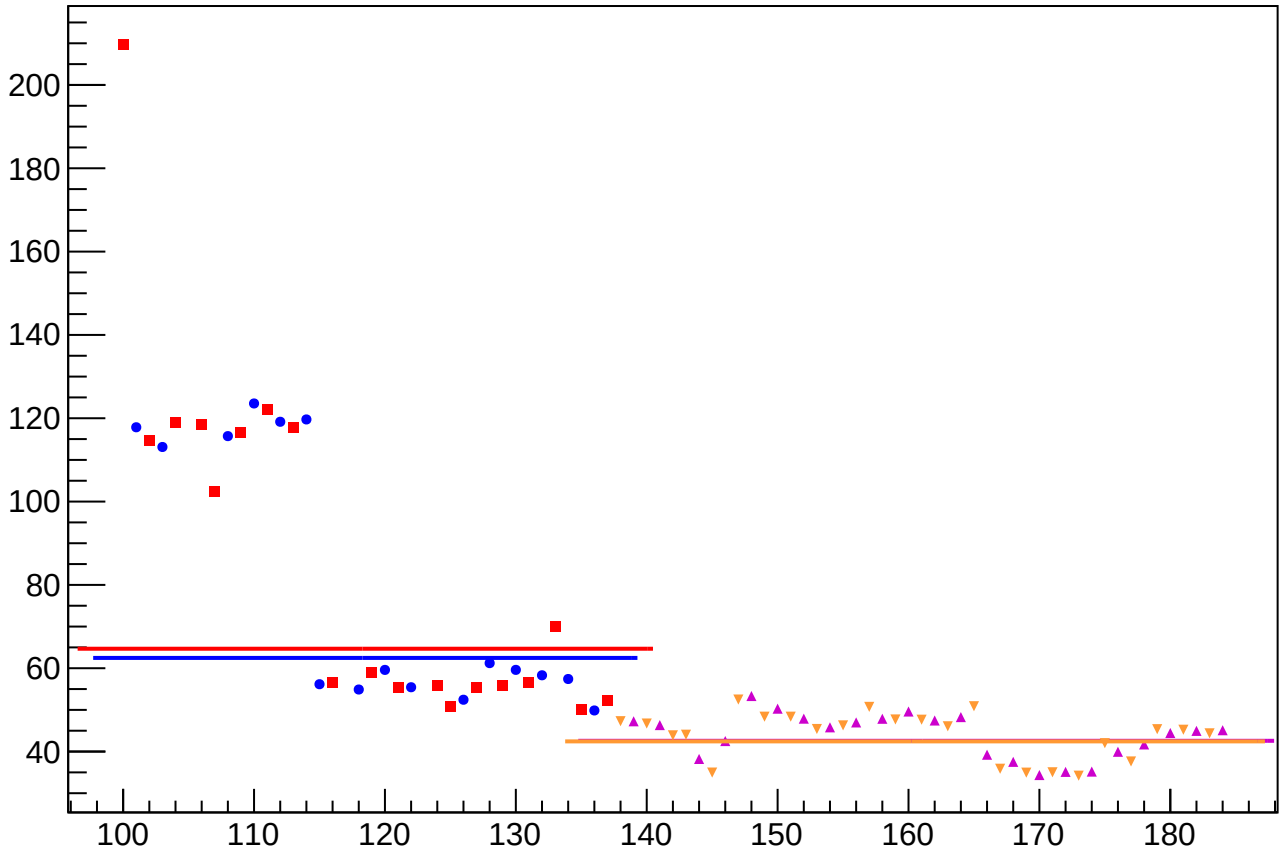
Left: 26.053+/-7.031 χ^2/NDF: 61.5/46

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: 1.499+/-9.319 χ^2/NDF:46.7/38

Out: 31.652+/-9.145 χ^2/NDF:59.1/42

All: 16.860+/-6.527 χ^2/NDF: 111.1/81



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: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.508+/-0.005 χ^2/NDF: 1288603.1/46

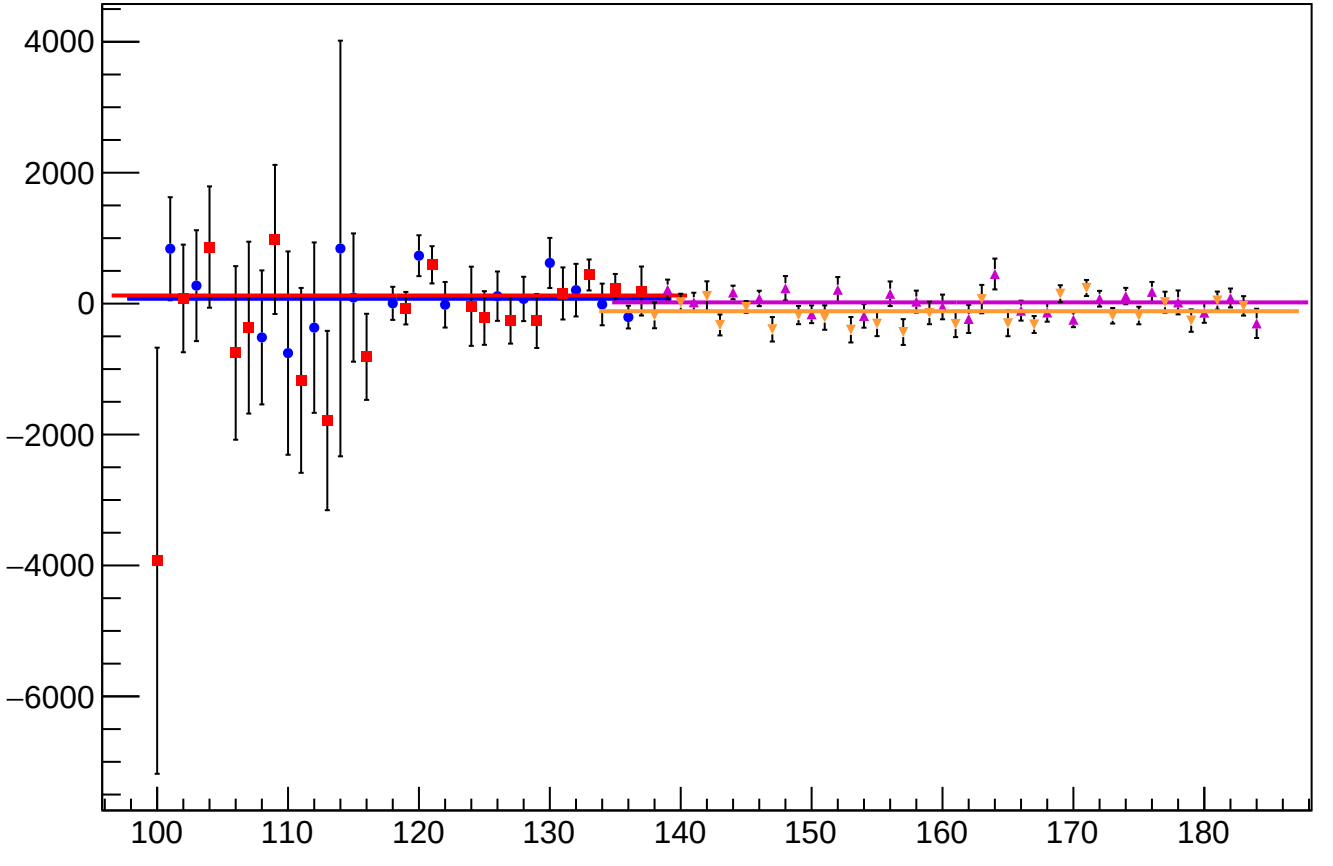
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 45.460+/-0.007 χ^2/NDF:3066951.1/38

Out: 45.378+/-0.006 χ^2/NDF:3645179.6/42

All: 45.418+/-0.005 χ^2/NDF: 6712210.0/81

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: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -49.456+/-22.092 χ^2/NDF: 70.6/46

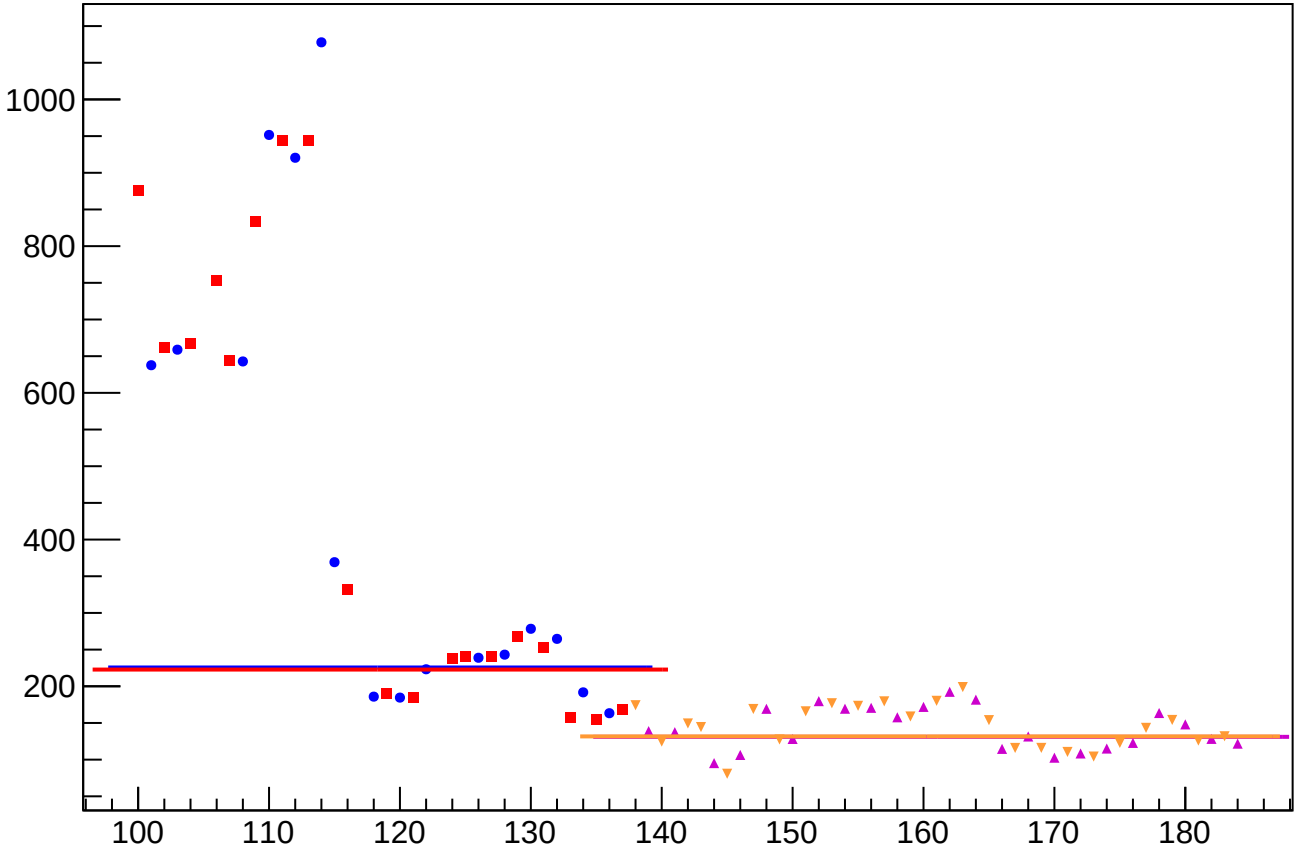
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 24.377+/-29.863 χ^2/NDF:38.7/38

Out: -92.501+/-29.474 χ^2/NDF:56.2/42

All: -34.829+/-20.977 χ^2/NDF: 102.7/81

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: 131.074+/-0.022 χ^2/NDF:1467810.7/22

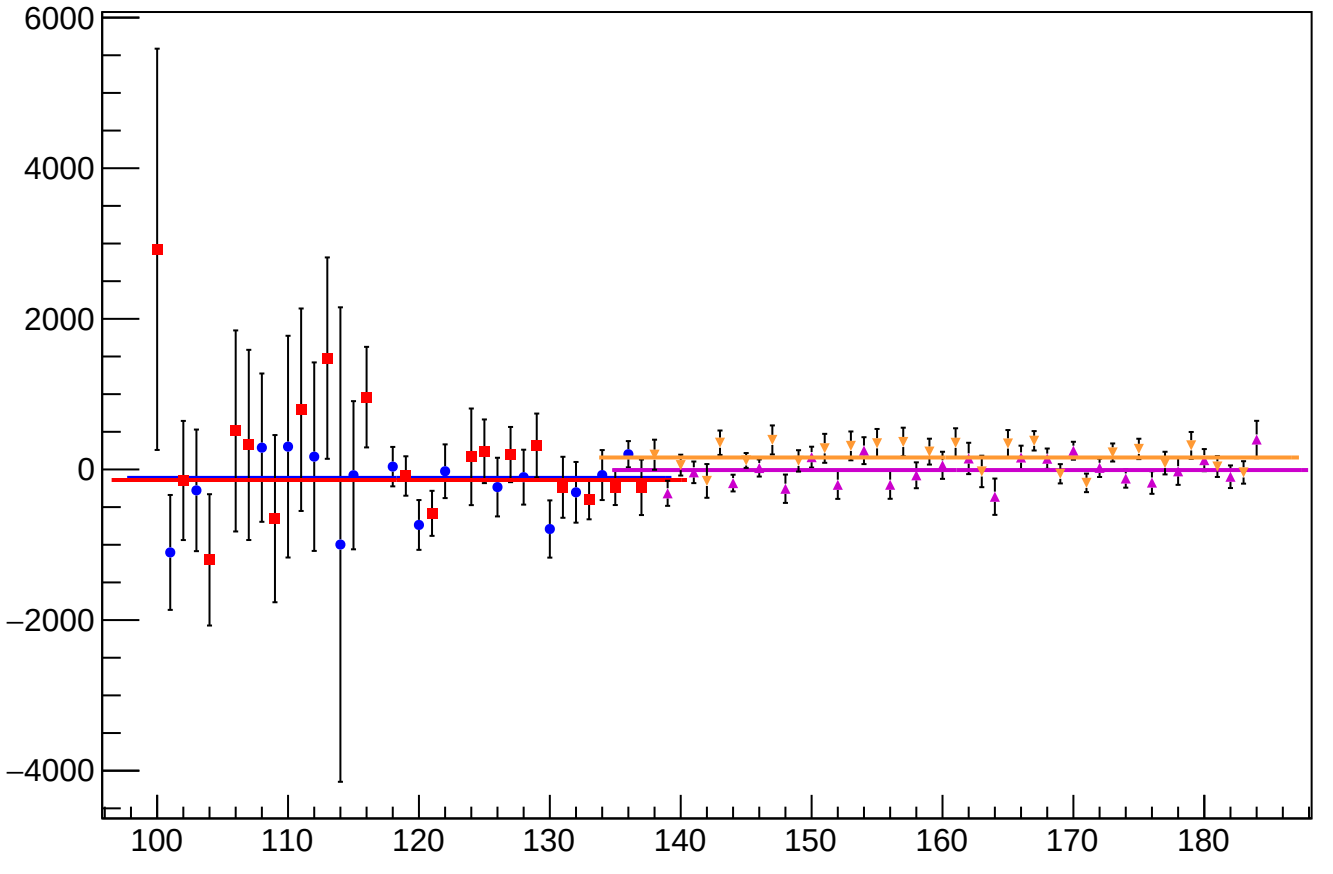
Left: 131.379+/-0.016 χ^2/NDF: 3367921.7/46

Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 140.517+/-0.021 χ^2/NDF:6295871.8/38

Out: 140.507+/-0.021 χ^2/NDF:7420945.2/42

All: 140.512+/-0.015 χ^2/NDF: 13716817.1/81



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: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 76.474+/-22.232 χ^2/NDF: 73.4/46

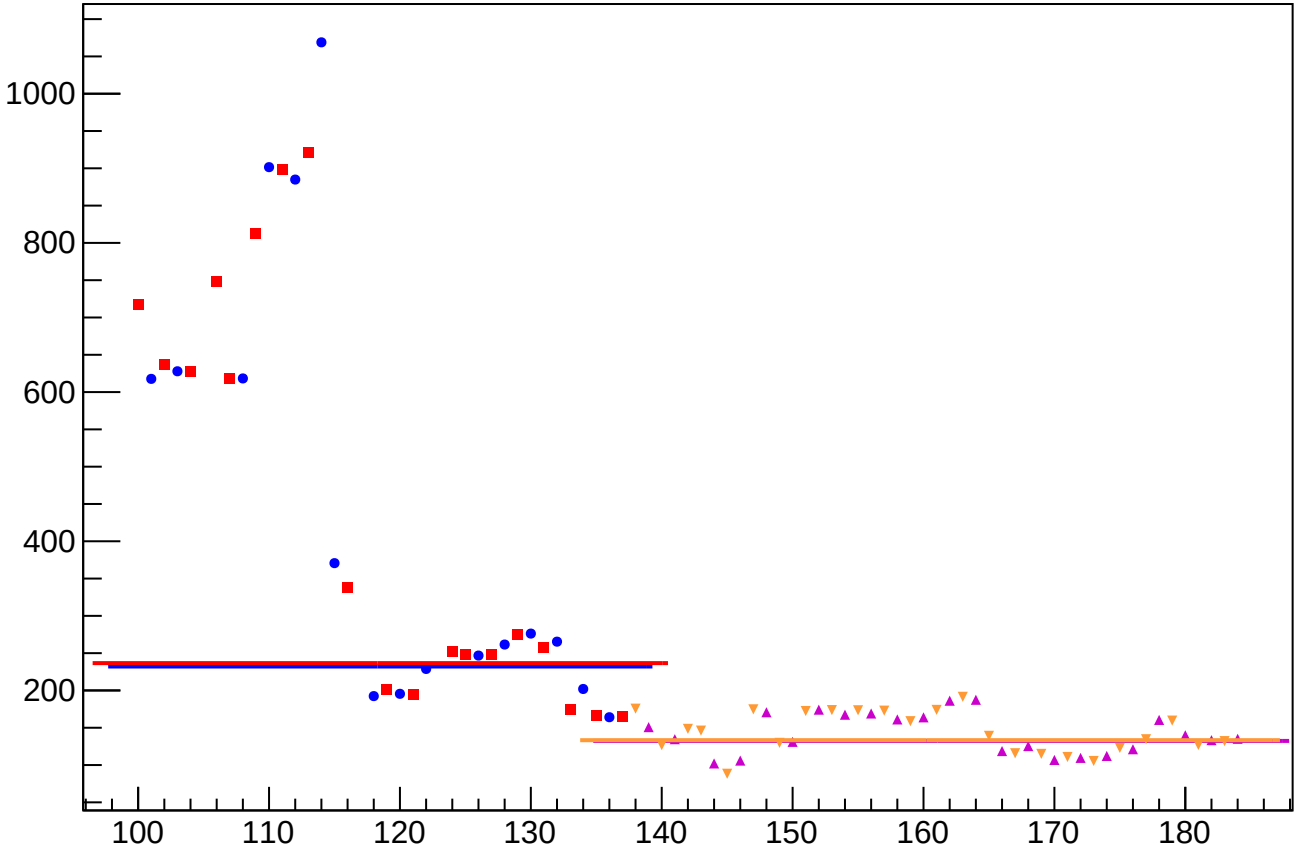
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -18.013+/-30.051 χ^2/NDF:43.4/38

Out: 131.963+/-29.816 χ^2/NDF:52.8/42

All: 57.562+/-21.166 χ^2/NDF: 108.7/81

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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: 132.342+/-0.022 χ^2/NDF:1277761.6/22

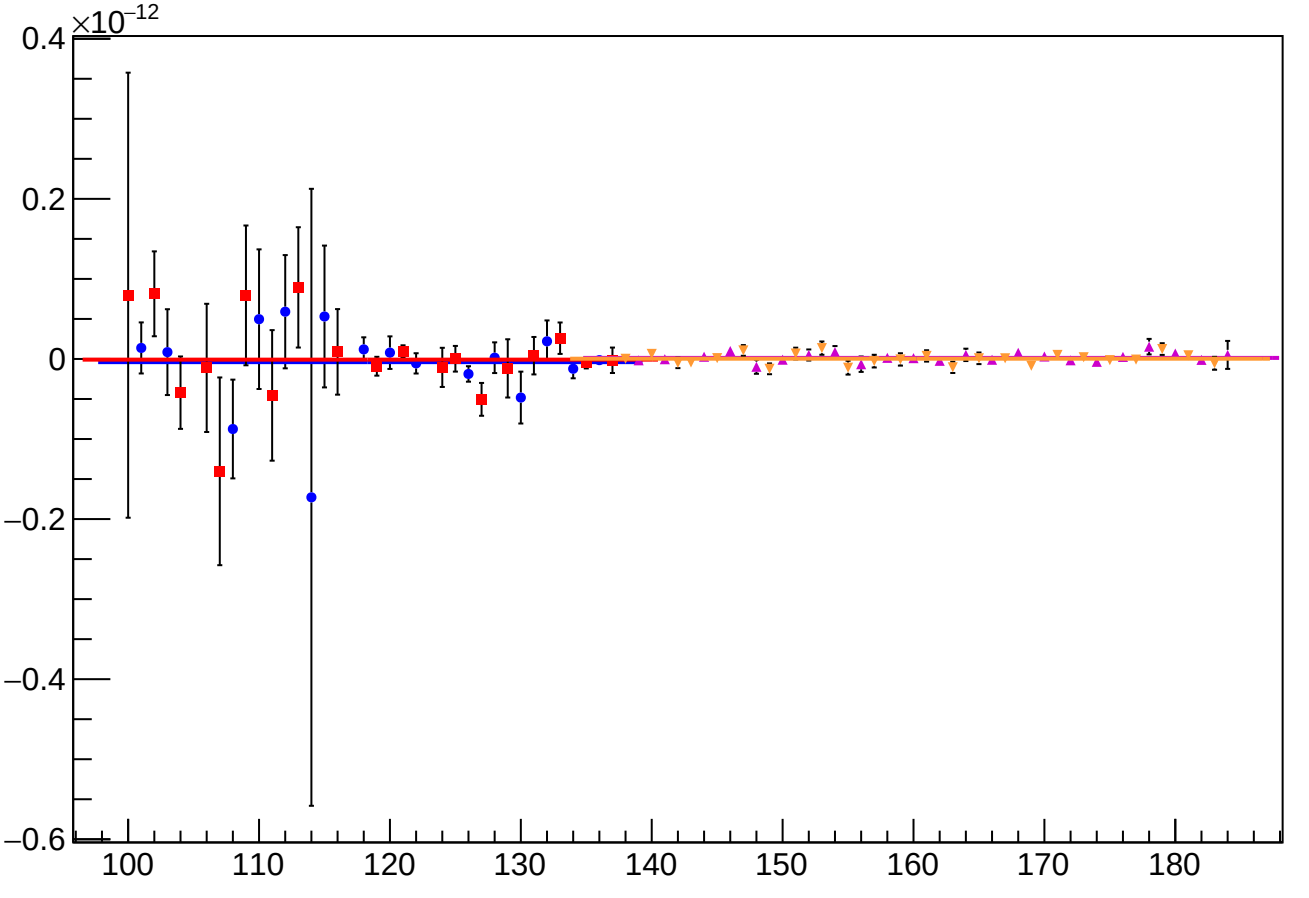
Left: 132.824+/-0.016 χ^2/NDF: 2852727.8/46

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 142.006+/-0.021 χ^2/NDF:6091802.2/38

Out: 142.637+/-0.021 χ^2/NDF:7070783.9/42

All: 142.324+/-0.015 χ^2/NDF: 13163030.8/81



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:14.9/22

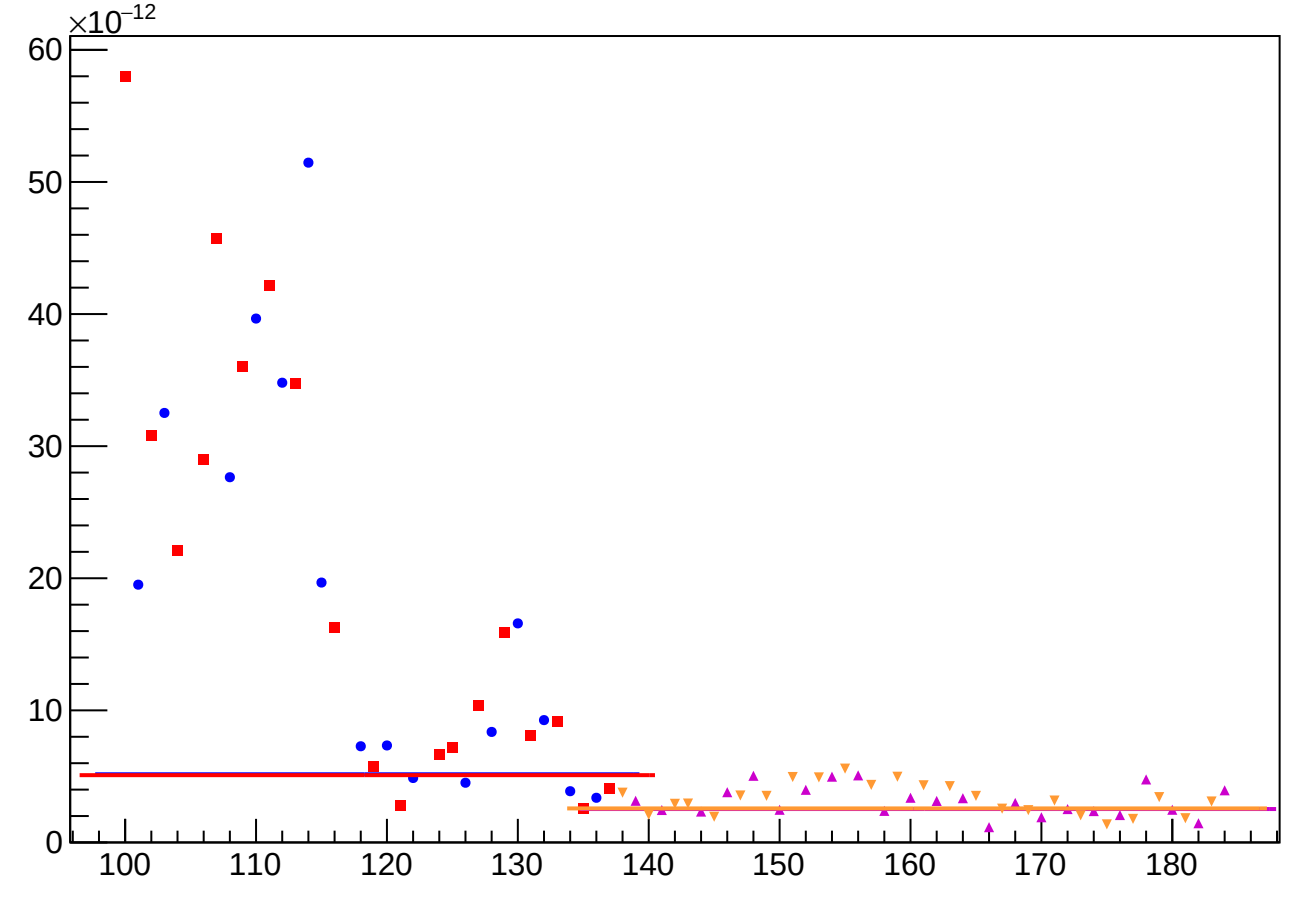
Left: 0.000+/-0.000 χ^2/NDF: 42.4/46

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:28.3/38

Out: 0.000+/-0.000 χ^2/NDF:45.2/42

All: 0.000+/-0.000 χ^2/NDF: 73.7/81



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:1530752.8/22

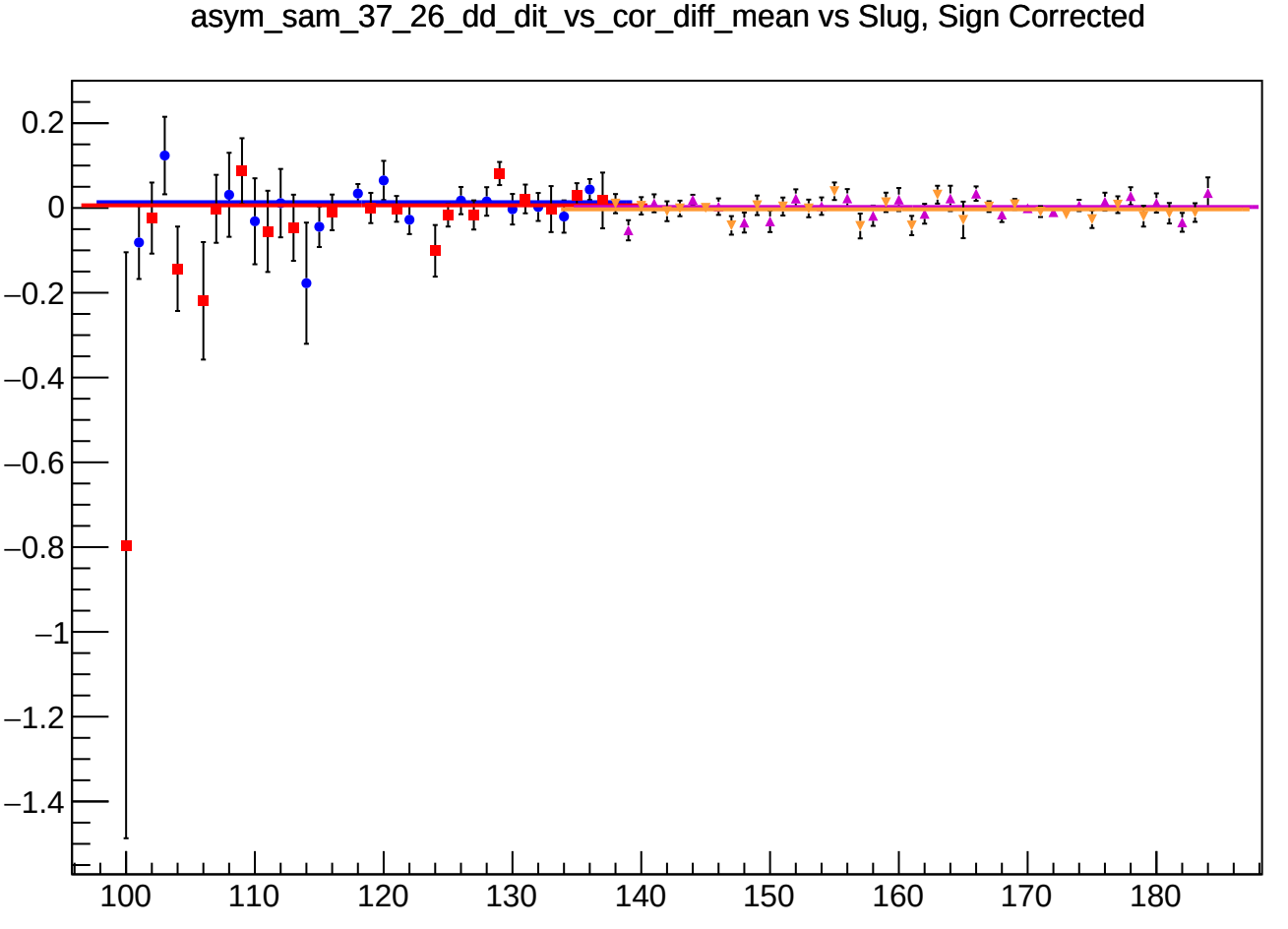
Left: 0.000+/-0.000 χ^2/NDF: 3692182.6/46

Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:5099926.0/38

Out: 0.000+/-0.000 χ^2/NDF:6155852.7/42

All: 0.000+/-0.000 χ^2/NDF: 11255795.3/81



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:26.9/22

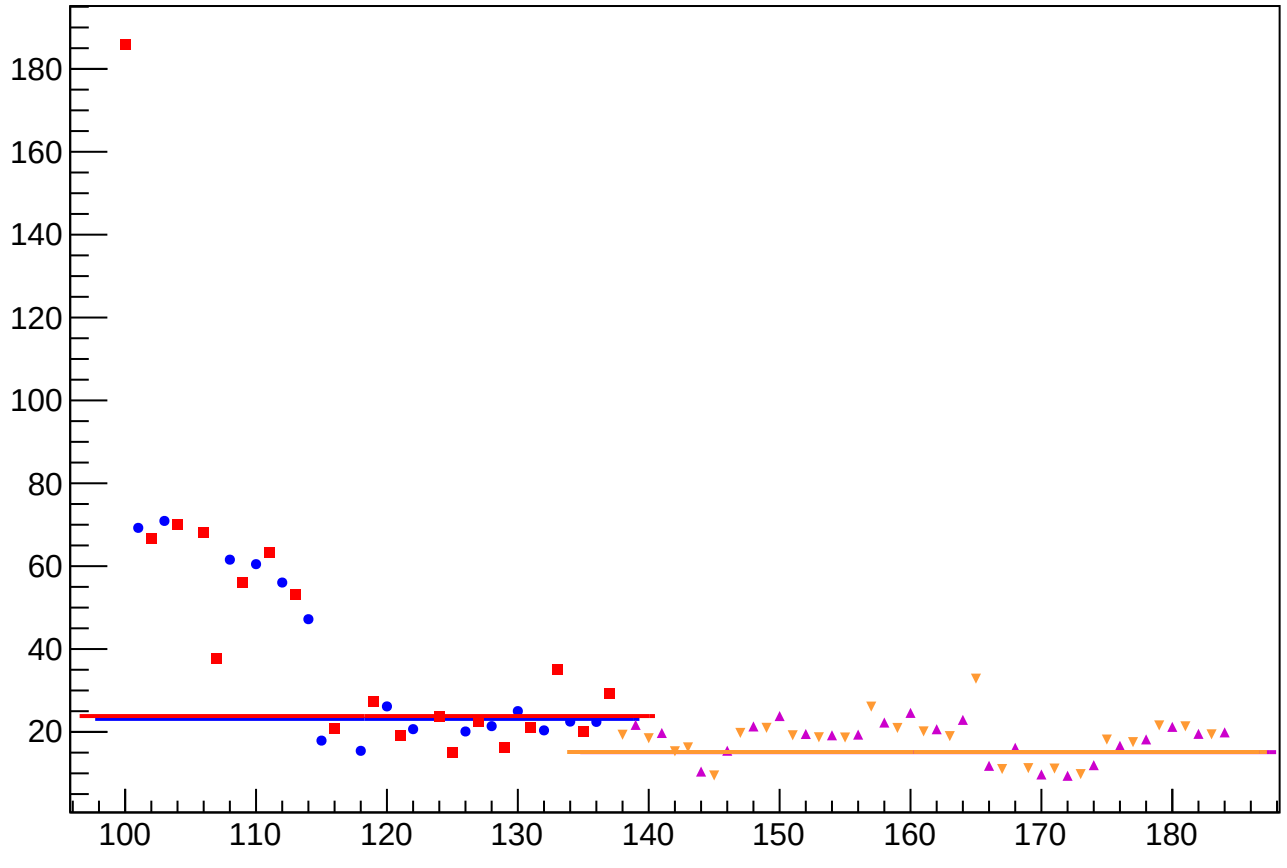
Left: -0.001+/-0.003 χ^2/NDF: 49.0/46

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:40.4/38

Out: -0.002+/-0.003 χ^2/NDF:43.3/42

All: 0.001+/-0.002 χ^2/NDF: 85.0/81



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: 15.116+/-0.003 χ^2/NDF:3402288.3/22

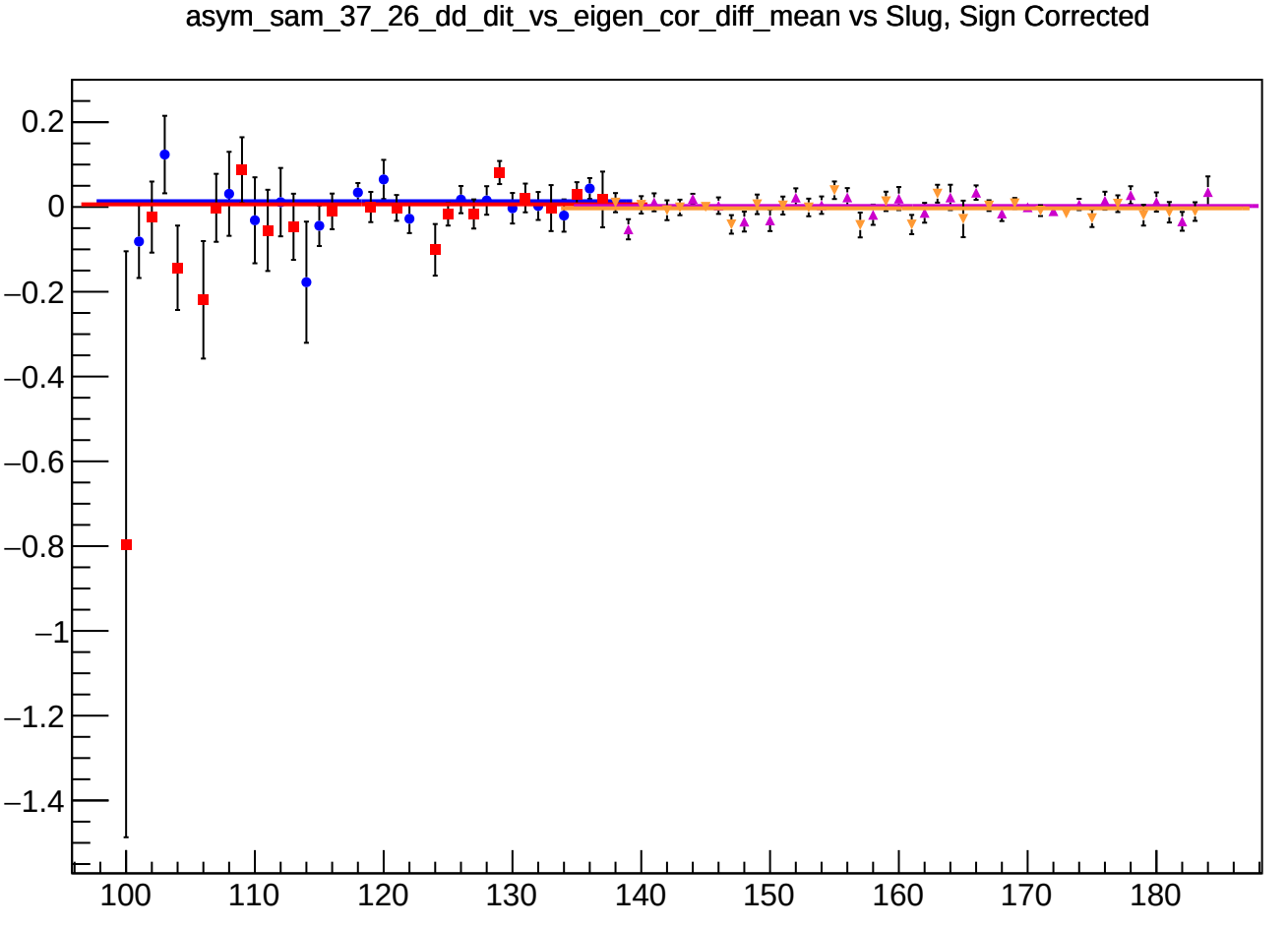
Left: 15.135+/-0.002 χ^2/NDF: 6797241.8/46

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 16.169+/-0.003 χ^2/NDF:6964017.1/38

Out: 16.194+/-0.002 χ^2/NDF:7599711.7/42

All: 16.182+/-0.002 χ^2/NDF: 14563776.1/81



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:26.9/22

Left: -0.001+/-0.003 χ^2/NDF: 49.0/46

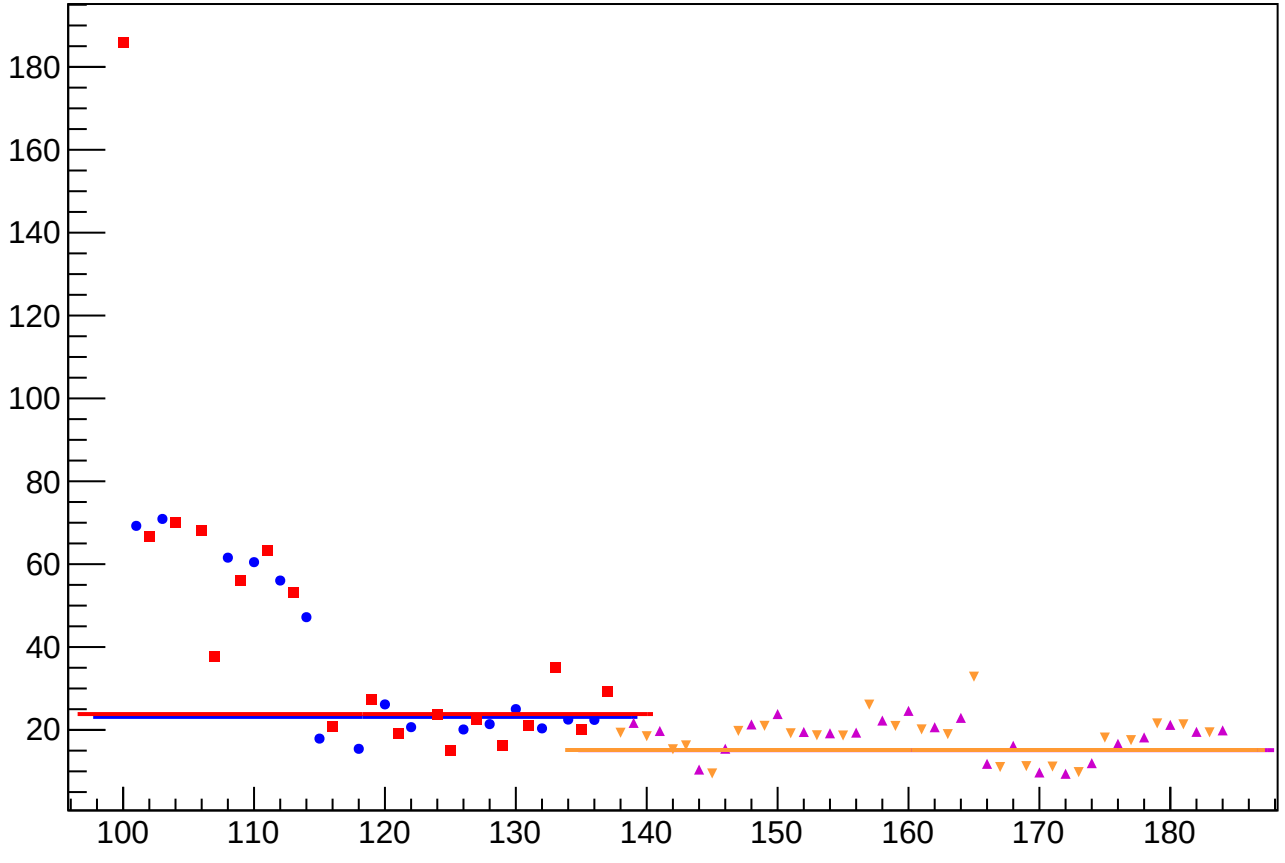
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:40.4/38

Out: -0.002+/-0.003 χ^2/NDF:43.3/42

All: 0.001+/-0.002 χ^2/NDF: 85.0/81

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: 15.116+/-0.003 χ^2/NDF:3402288.3/22

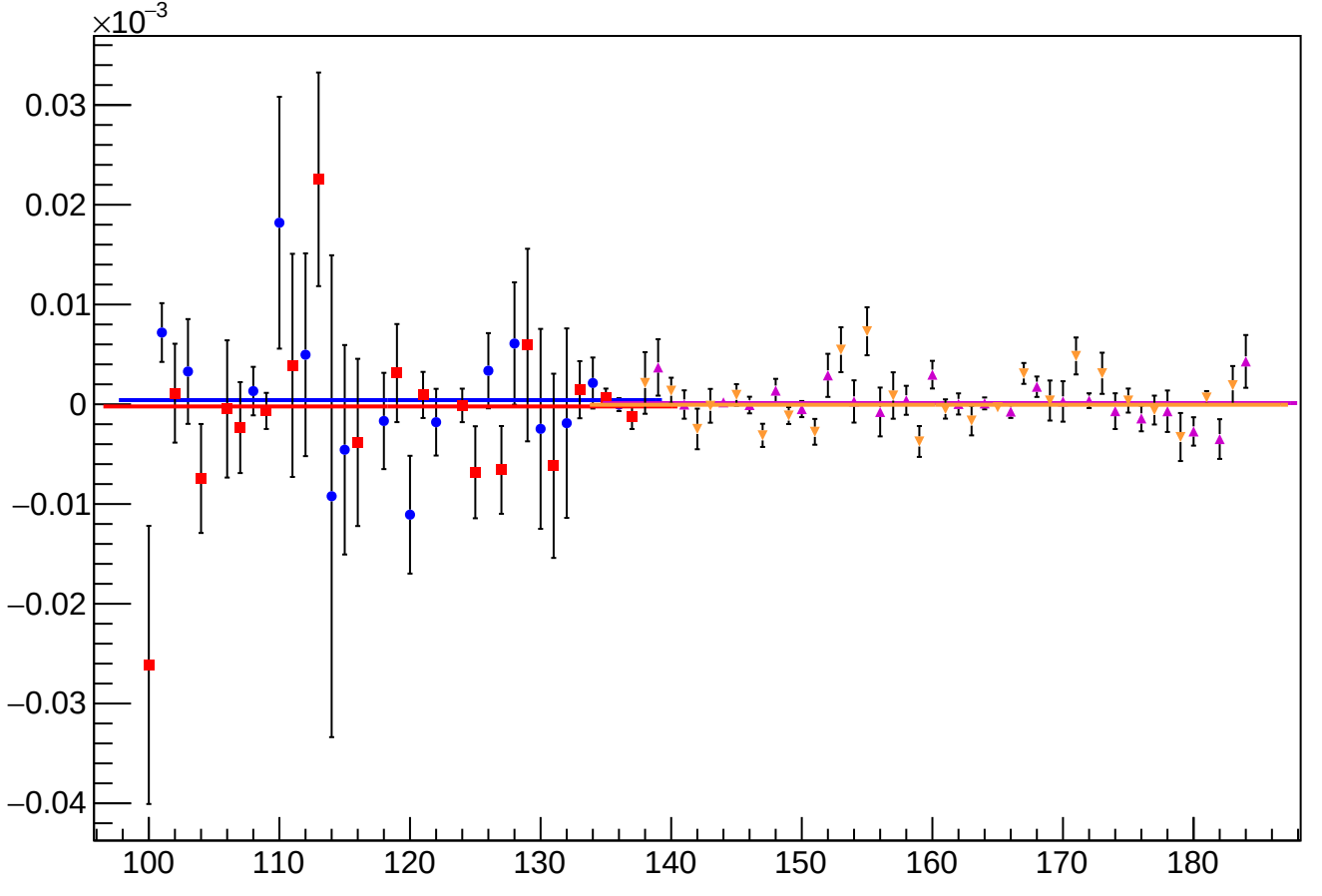
Left: 15.135+/-0.002 χ^2/NDF: 6797241.8/46

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 16.169+/-0.003 χ^2/NDF:6964017.1/38

Out: 16.194+/-0.002 χ^2/NDF:7599711.7/42

All: 16.182+/-0.002 χ^2/NDF: 14563776.1/81



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:25.5/22

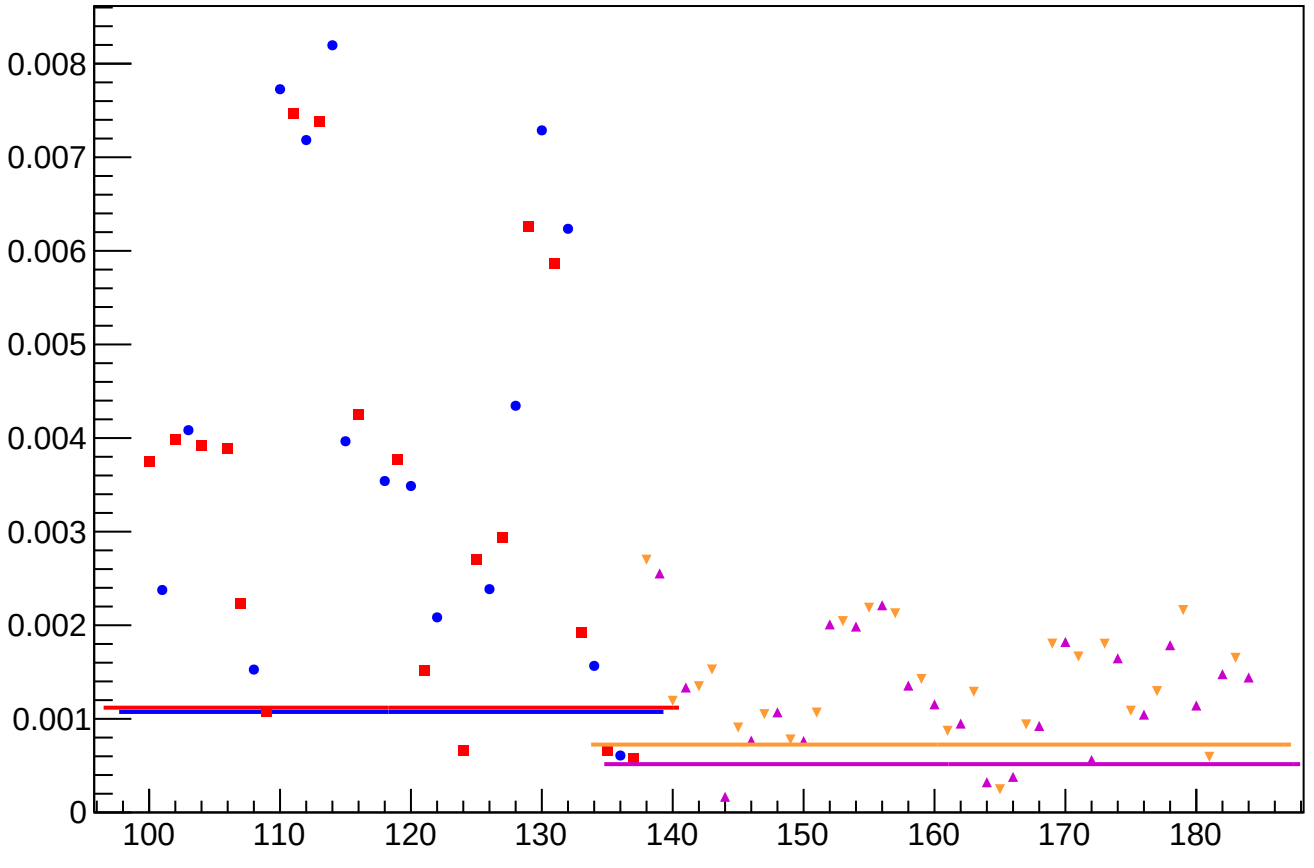
Left: 0.000+/-0.000 χ^2/NDF: 88.7/46

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:41.0/38

Out: -0.000+/-0.000 χ^2/NDF:80.8/42

All: 0.000+/-0.000 χ^2/NDF: 122.5/81



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:15027708.0/22

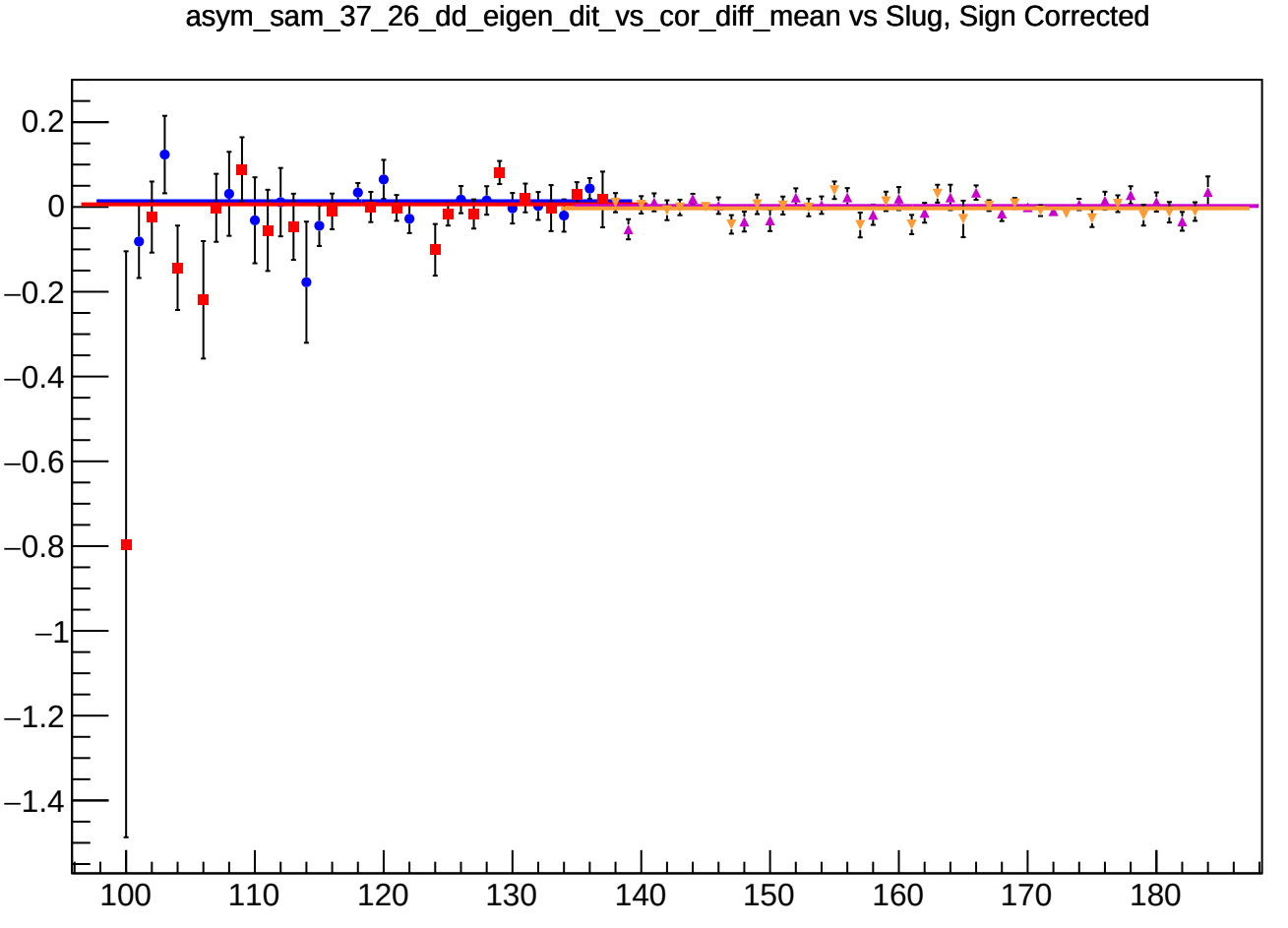
Left: 0.001+/-0.000 χ^2/NDF: 29197849.7/46

Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:23871829.9/38

Out: 0.001+/-0.000 χ^2/NDF:20635135.4/42

All: 0.001+/-0.000 χ^2/NDF: 45792413.5/81



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:26.9/22

Left: -0.001+/-0.003 χ^2/NDF: 49.0/46

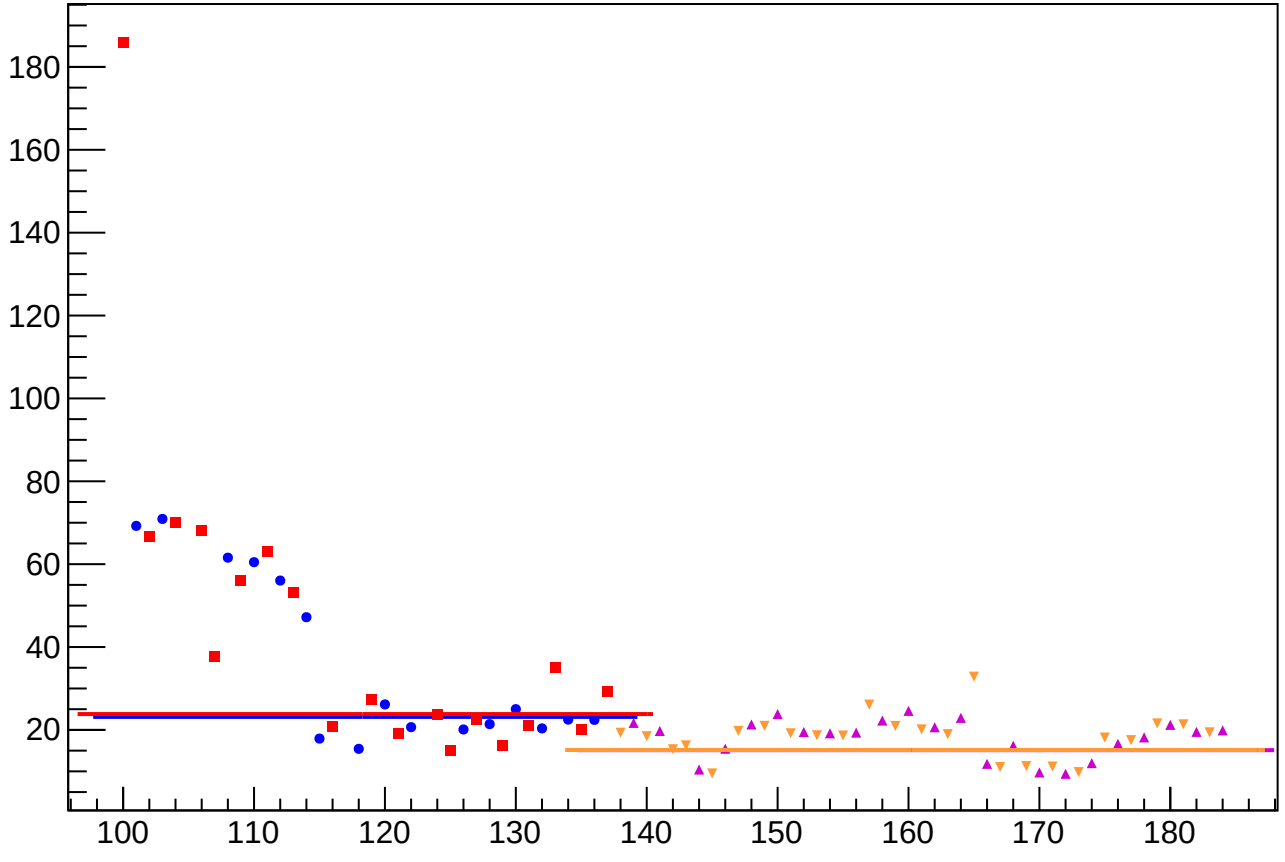
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:40.4/38

Out: -0.002+/-0.003 χ^2/NDF:43.3/42

All: 0.001+/-0.002 χ^2/NDF: 85.0/81

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: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.135+/-0.002 χ^2/NDF: 6797375.1/46

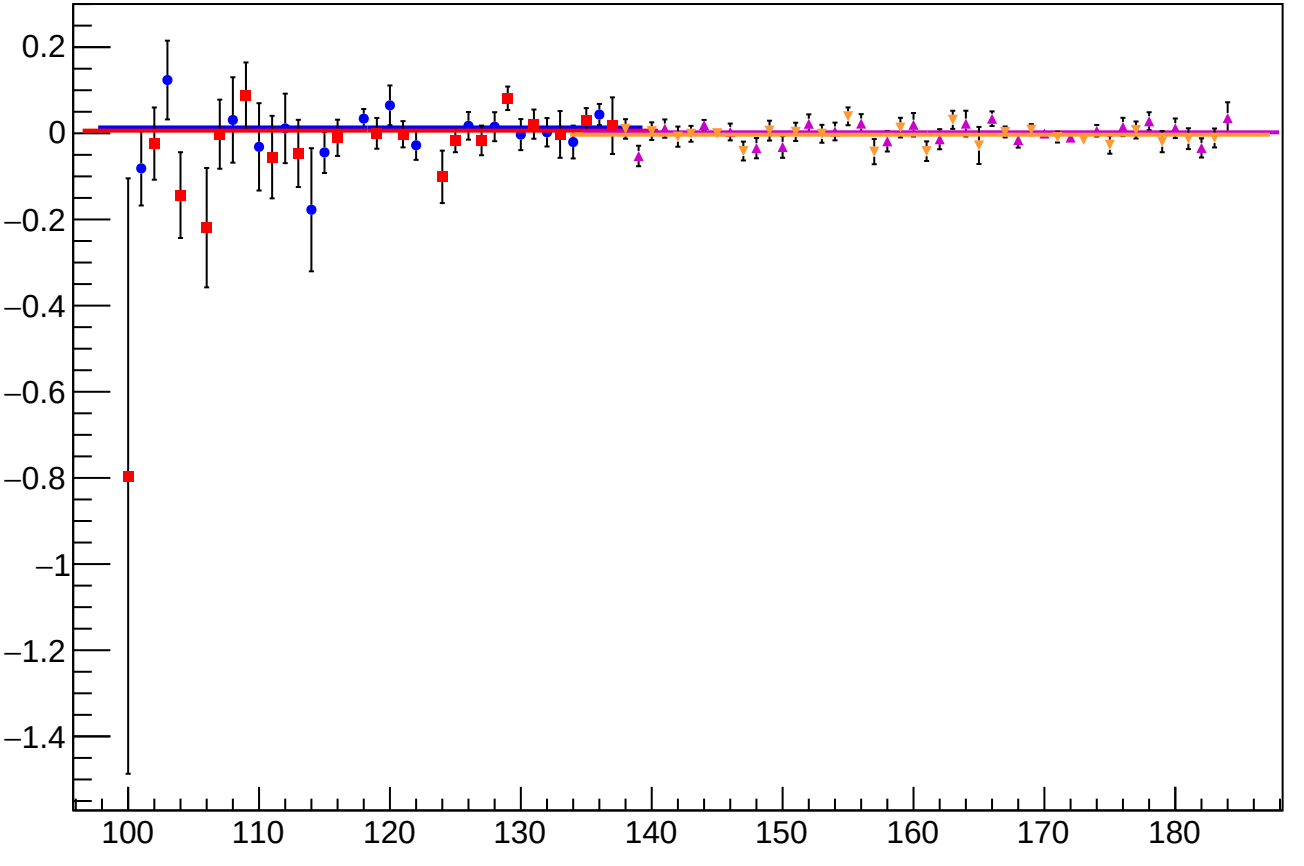
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 16.169+/-0.003 χ^2/NDF:6963777.7/38

Out: 16.194+/-0.002 χ^2/NDF:7599630.3/42

All: 16.182+/-0.002 χ^2/NDF: 14563455.4/81

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:26.9/22

Left: -0.001+/-0.003 χ^2/NDF: 49.0/46

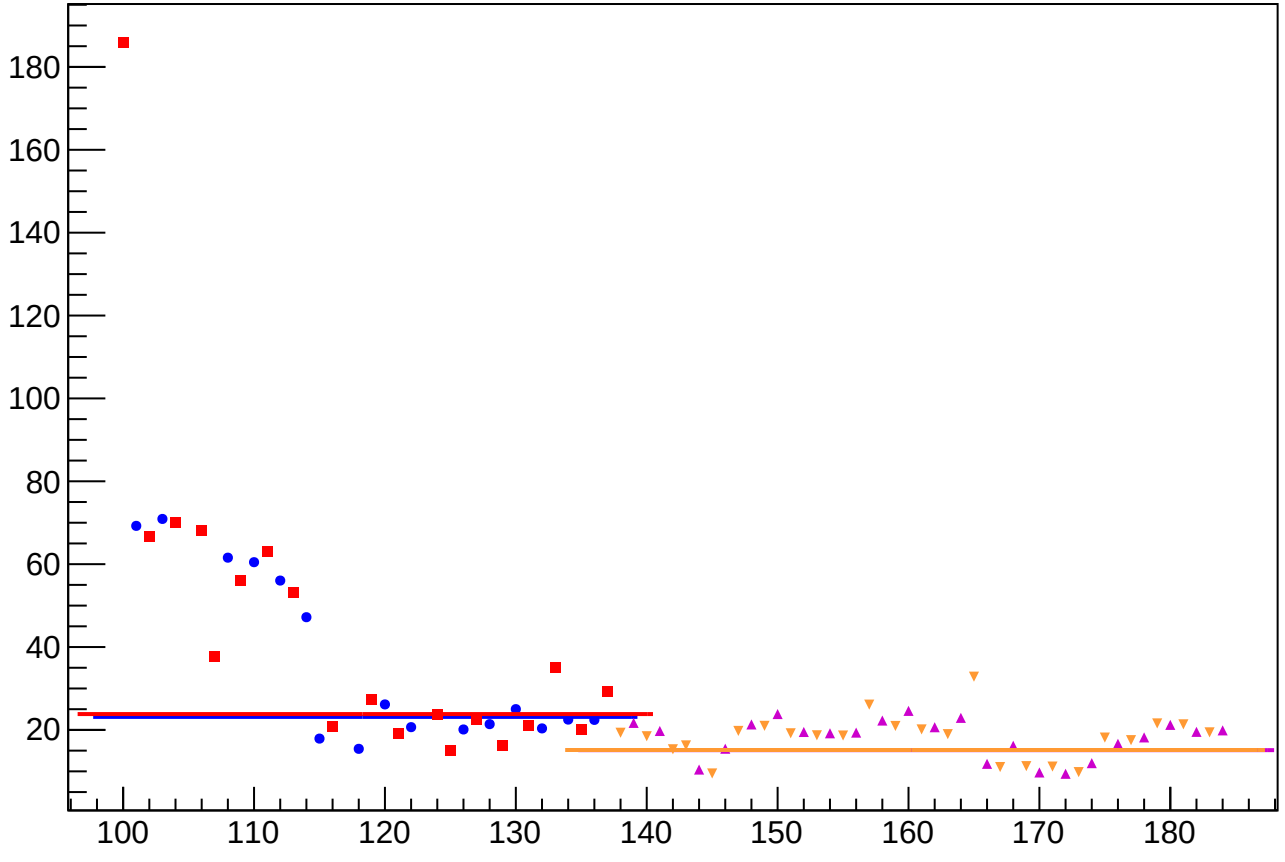
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:40.4/38

Out: -0.002+/-0.003 χ^2/NDF:43.3/42

All: 0.001+/-0.002 χ^2/NDF: 85.0/81

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: 15.117+/-0.003 χ^2/NDF:3402318.1/22

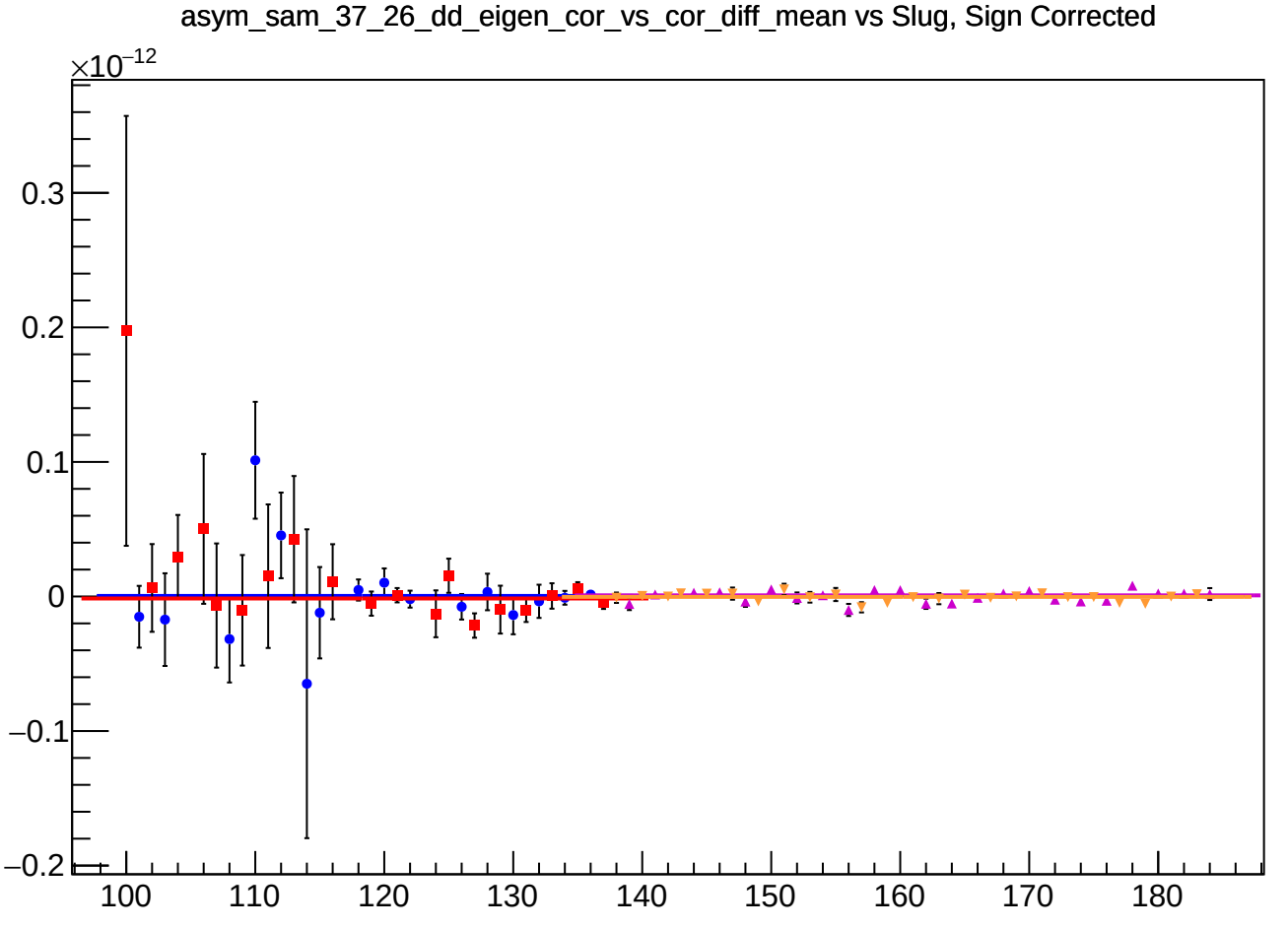
Left: 15.135+/-0.002 χ^2/NDF: 6797375.1/46

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 16.169+/-0.003 χ^2/NDF:6963777.7/38

Out: 16.194+/-0.002 χ^2/NDF:7599630.3/42

All: 16.182+/-0.002 χ^2/NDF: 14563455.4/81



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:39.5/22

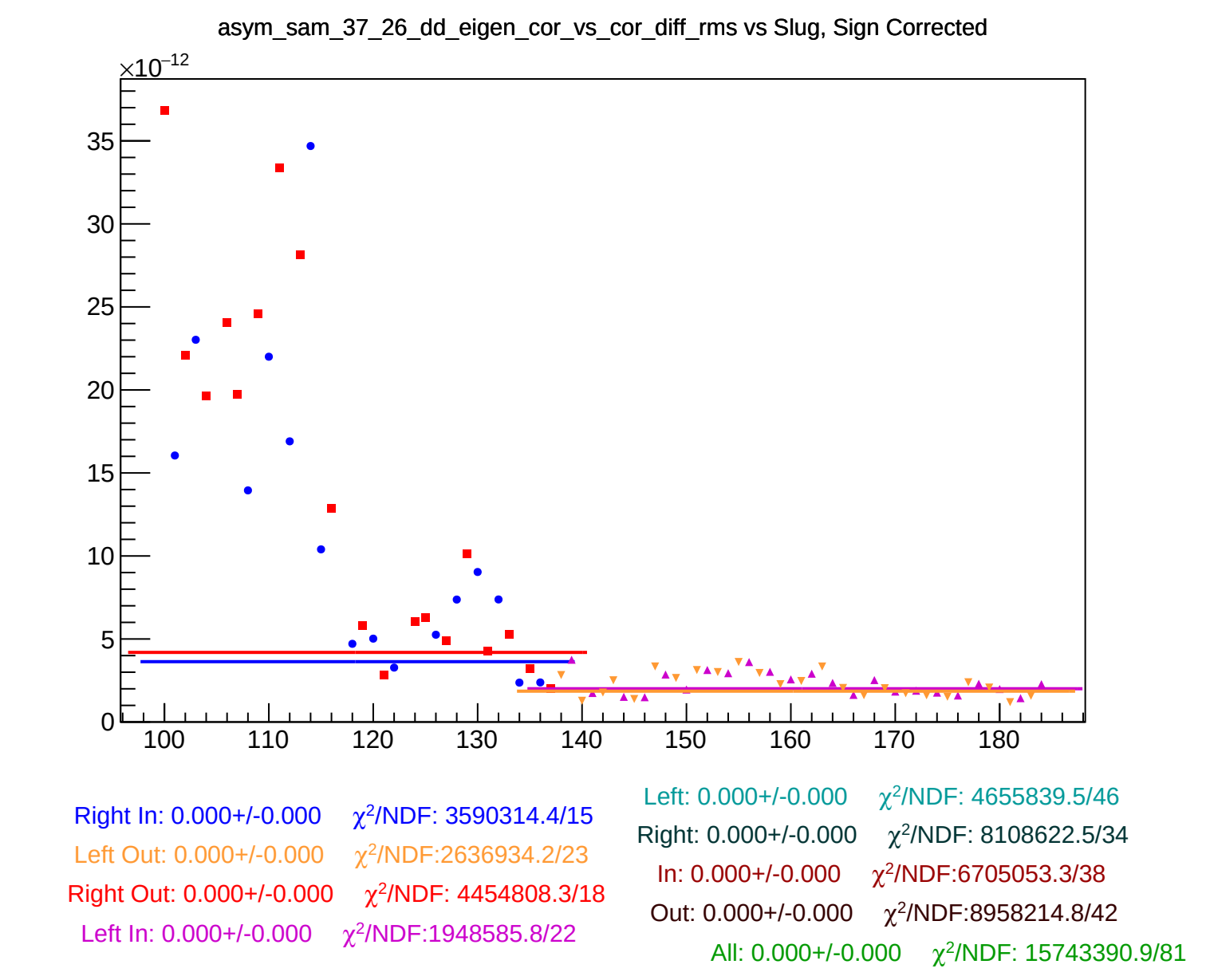
Left: 0.000+/-0.000 χ^2/NDF: 62.1/46

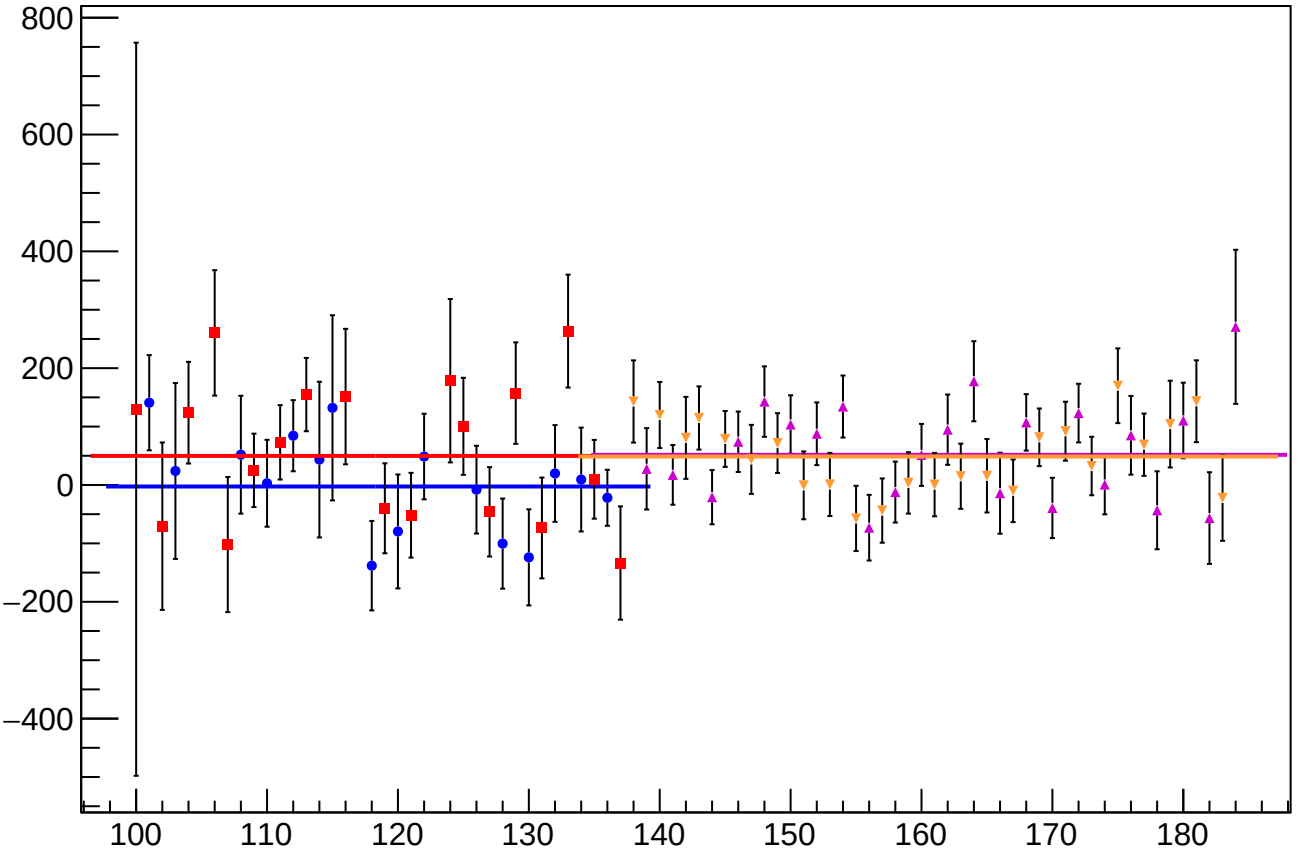
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:52.5/38

Out: -0.000+/-0.000 χ^2/NDF:36.4/42

All: 0.000+/-0.000 χ^2/NDF: 91.1/81


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2636934.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1948585.8/22
Left: 0.000+/-0.000 χ²/NDF: 4655839.5/46
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:6705053.3/38
Out: 0.000+/-0.000 χ²/NDF:8958214.8/42
All: 0.000+/-0.000 χ²/NDF: 15743390.9/81



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: 51.616+/-11.929 χ^2/NDF:35.9/22

Left: 50.130+/-8.312 χ^2/NDF: 61.2/46

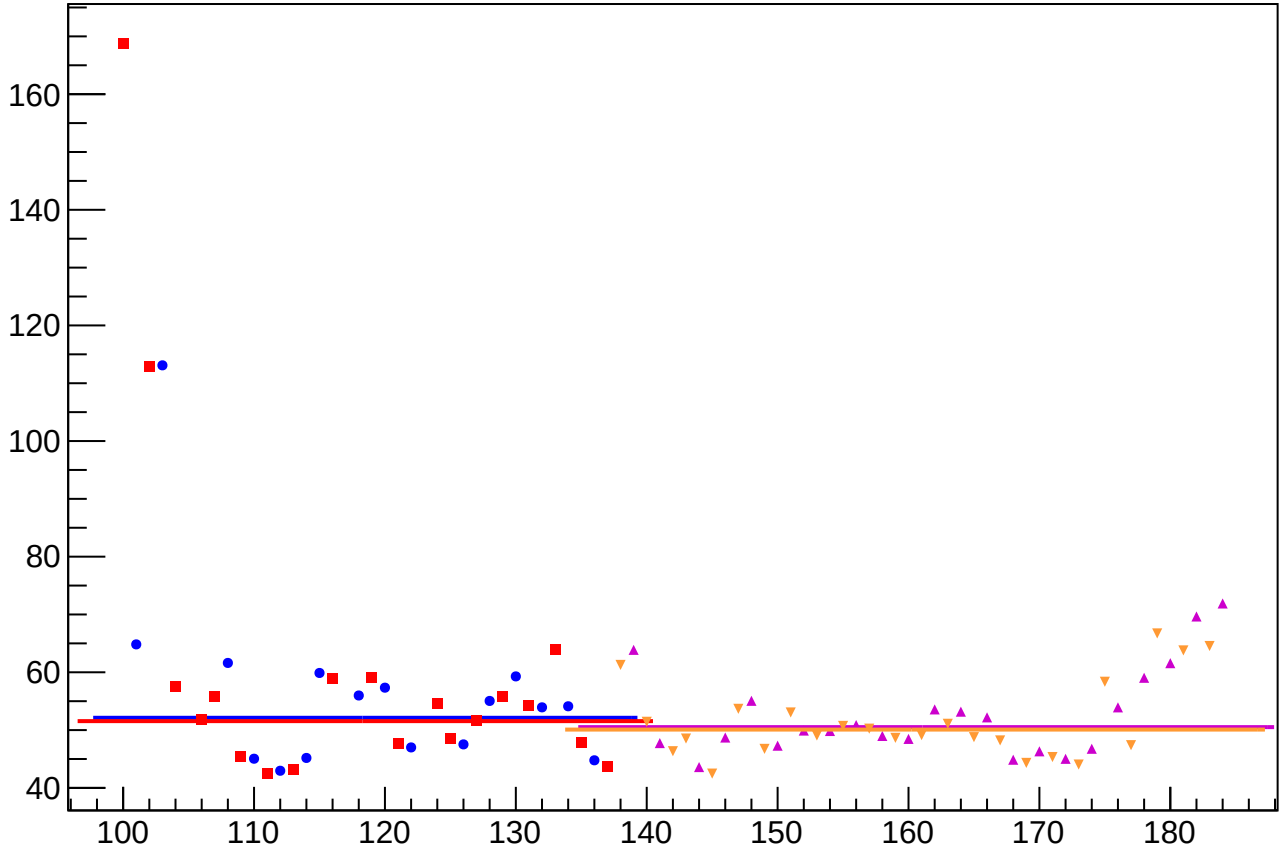
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 37.381+/-10.244 χ^2/NDF:55.9/38

Out: 49.007+/-9.979 χ^2/NDF:54.6/42

All: 43.347+/-7.148 χ^2/NDF: 111.2/81

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: 50.512+/-0.008 χ^2/NDF:503409.2/22

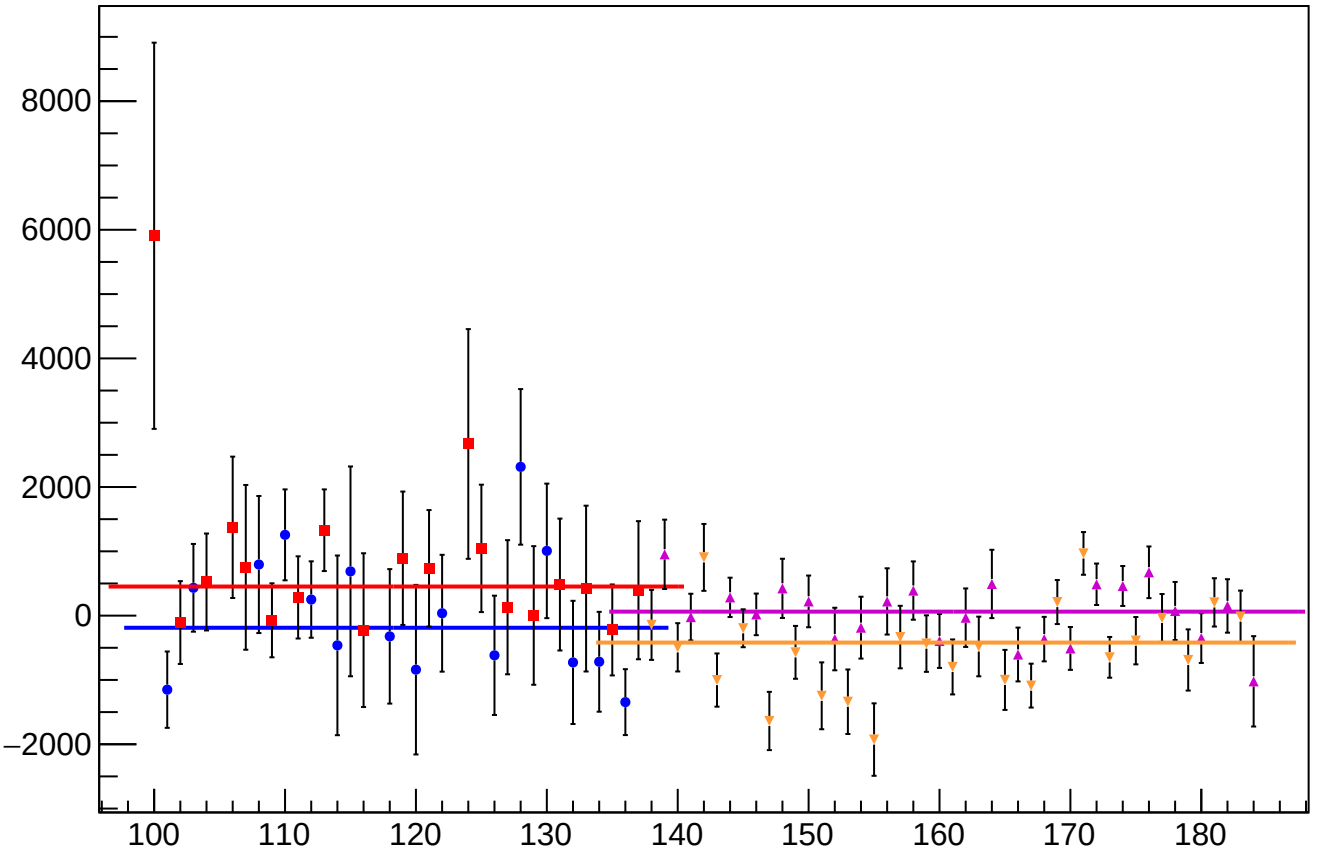
Left: 50.294+/-0.006 χ^2/NDF: 1009573.5/46

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.936+/-0.007 χ^2/NDF:1075966.1/38

Out: 50.467+/-0.007 χ^2/NDF:1152653.5/42

All: 50.695+/-0.005 χ^2/NDF: 2230775.8/81



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: 62.038+/-83.892 χ^2/NDF:23.9/22

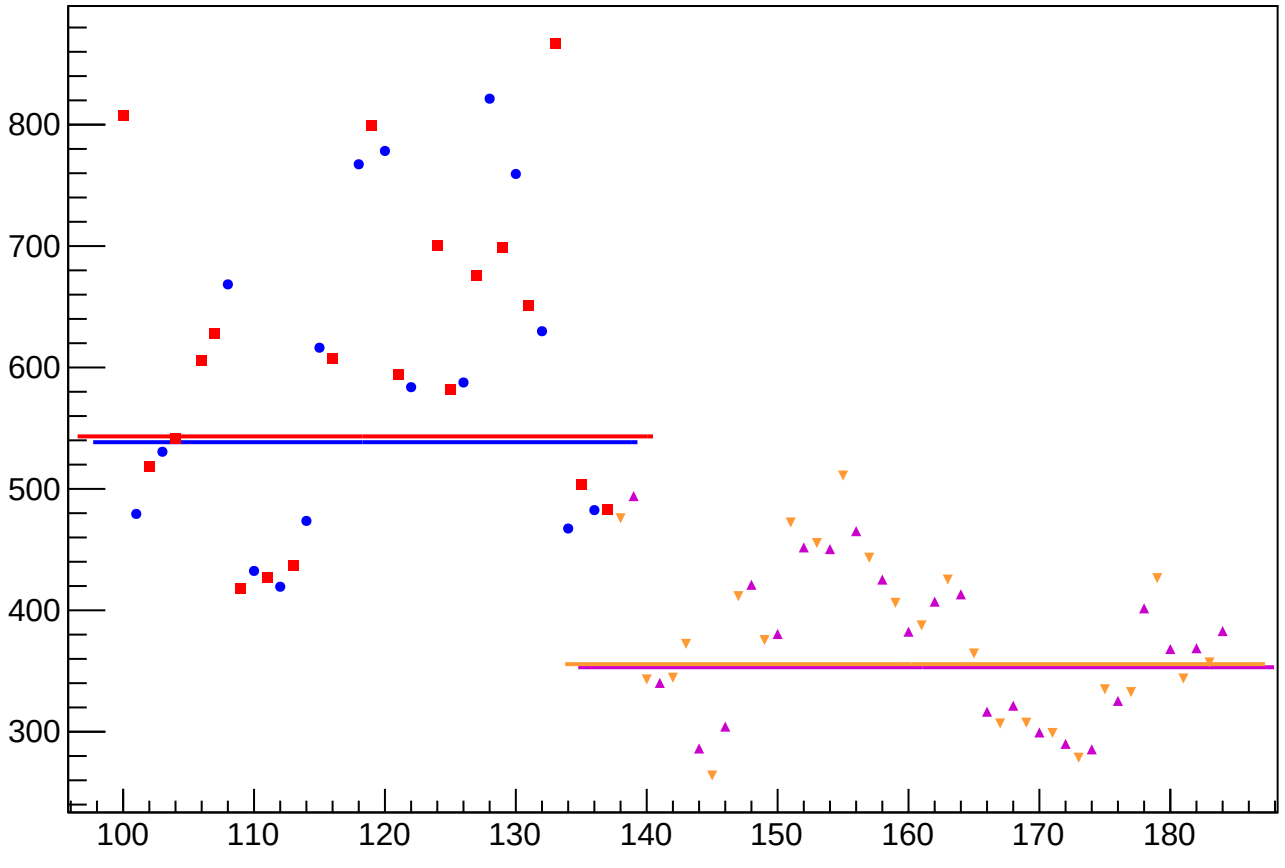
Left: -181.322+/-58.950 χ^2/NDF: 103.1/46

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 26.333+/-77.686 χ^2/NDF:46.6/38

Out: -295.241+/-76.759 χ^2/NDF:89.5/42

All: -136.386+/-54.602 χ^2/NDF: 144.7/81



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: 353.110+/-0.059 χ^2/NDF:1004127.0/22

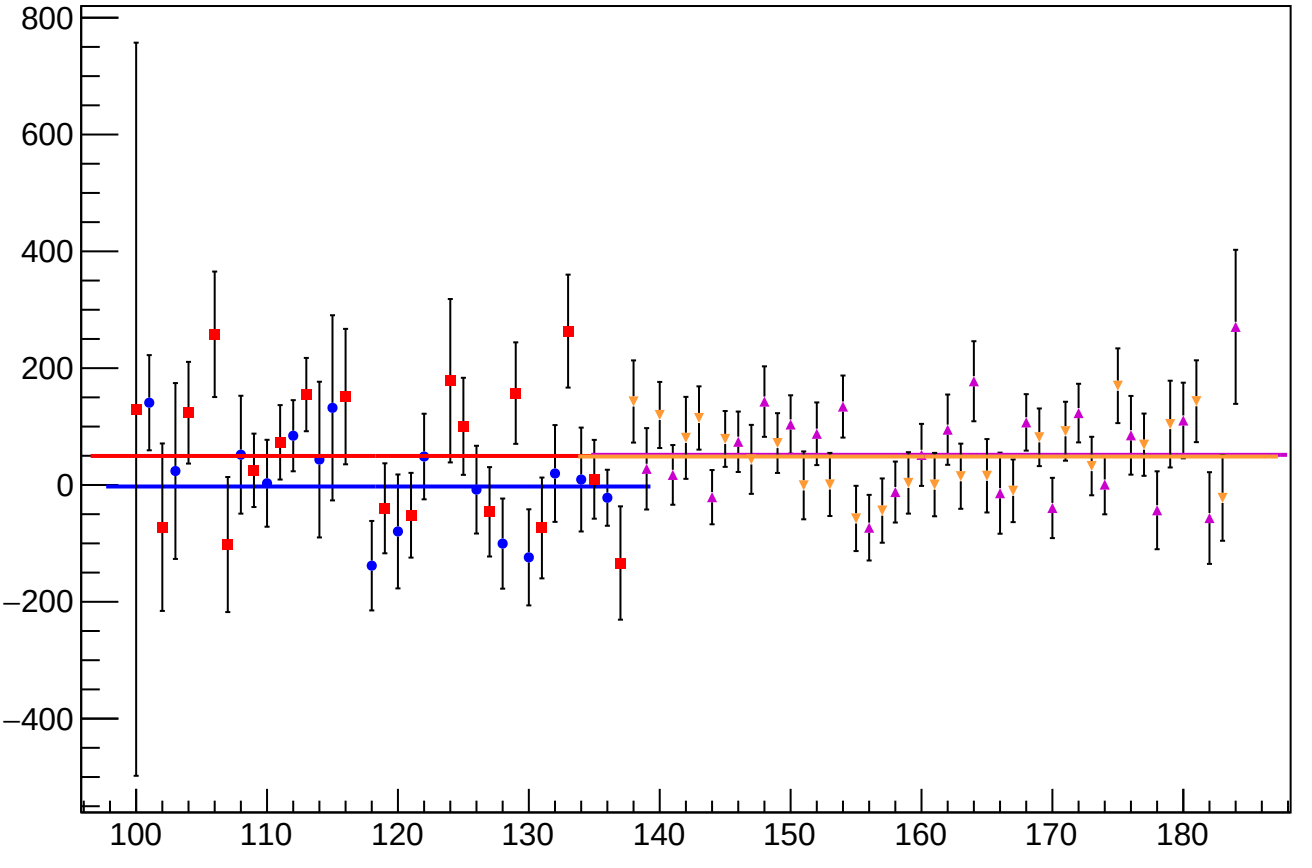
Left: 354.401+/-0.042 χ^2/NDF: 2135424.8/46

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 379.520+/-0.055 χ^2/NDF:3009226.0/38

Out: 382.240+/-0.054 χ^2/NDF:3220055.2/42

All: 380.896+/-0.039 χ^2/NDF: 6230521.8/81



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: 51.616+/-11.929 χ^2/NDF:35.8/22

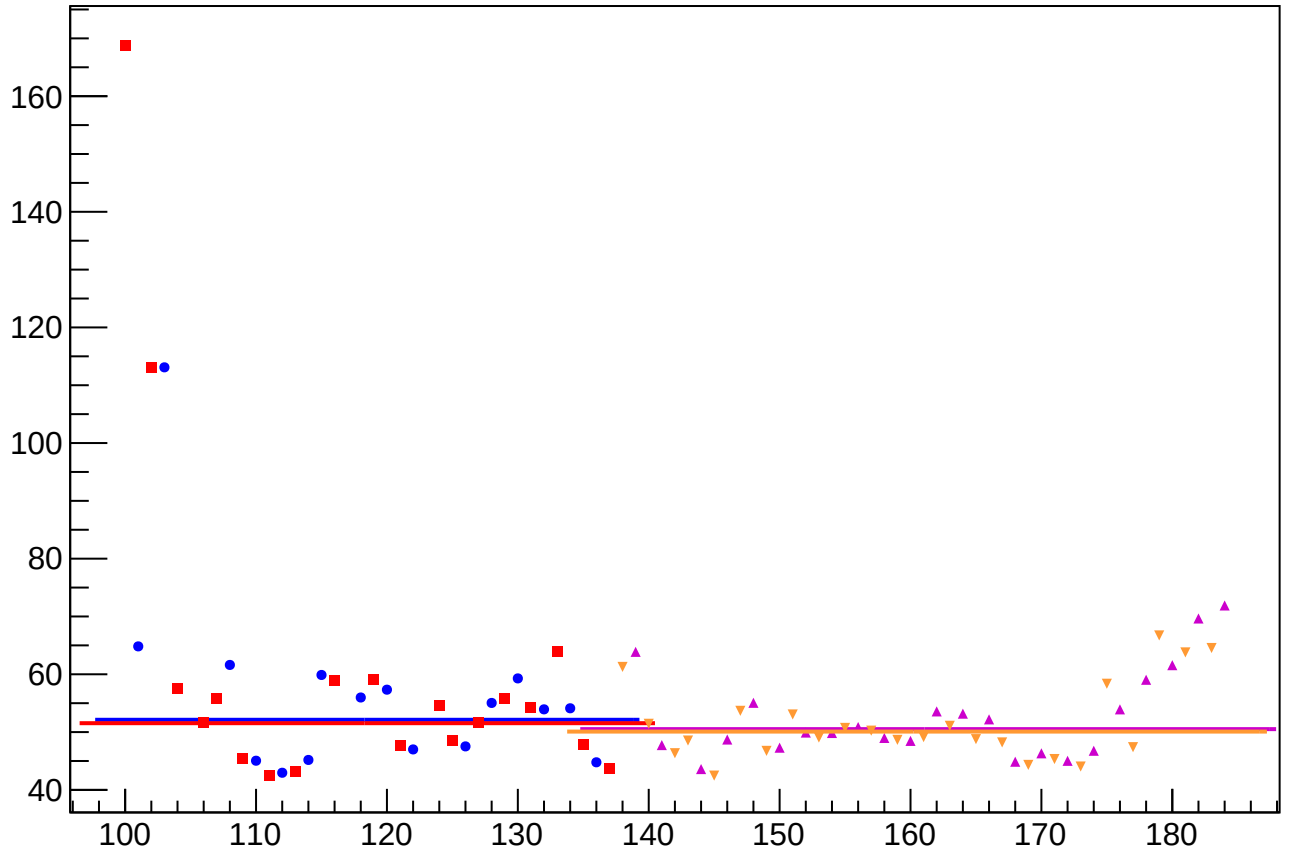
Left: 50.131+/-8.312 χ^2/NDF: 61.2/46

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 37.379+/-10.244 χ^2/NDF:55.9/38

Out: 48.979+/-9.979 χ^2/NDF:54.6/42

All: 43.332+/-7.148 χ^2/NDF: 111.1/81



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: 50.512+/-0.008 χ^2/NDF:503409.2/22

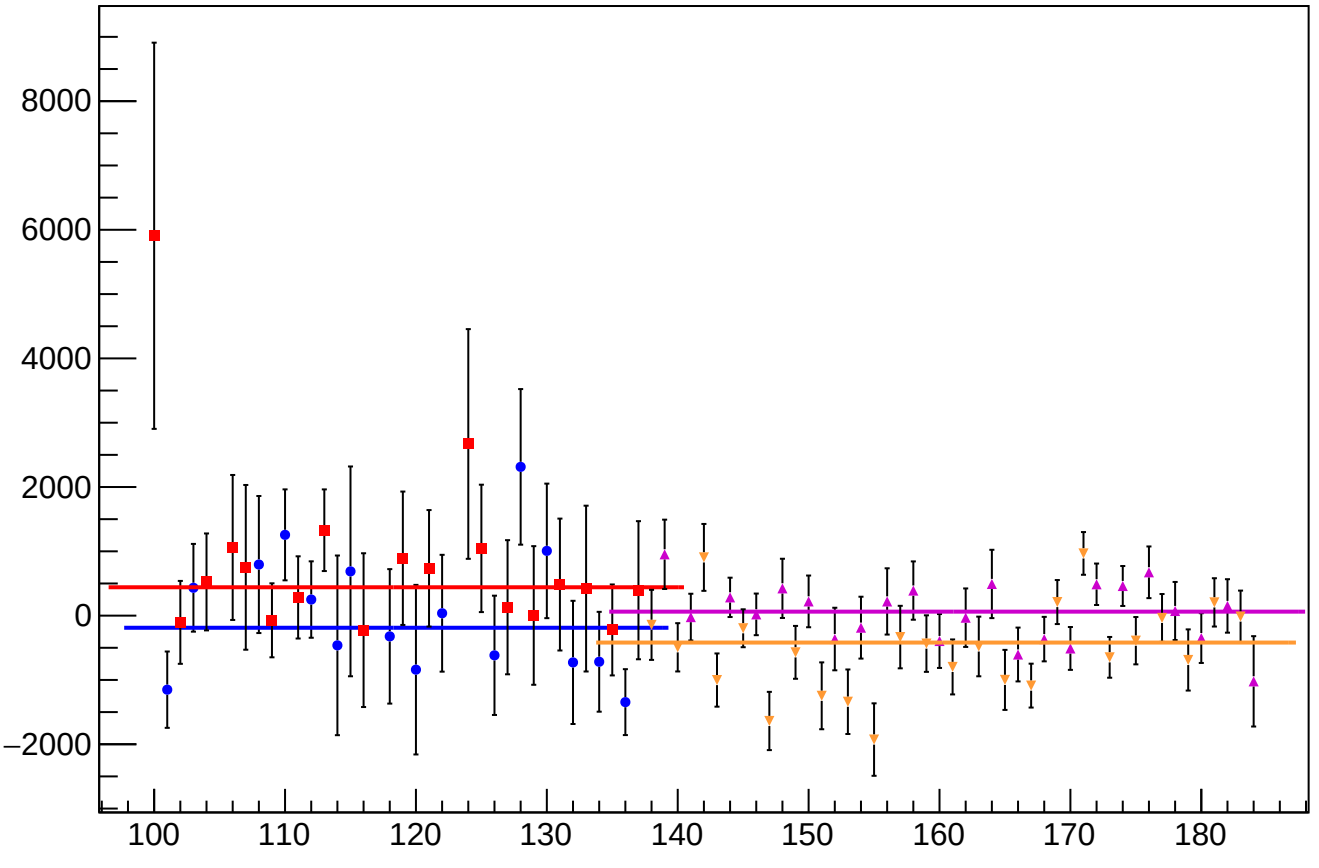
Left: 50.294+/-0.006 χ^2/NDF: 1009573.6/46

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.936+/-0.007 χ^2/NDF:1075968.4/38

Out: 50.464+/-0.007 χ^2/NDF:1152757.5/42

All: 50.694+/-0.005 χ^2/NDF: 2230906.8/81



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: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -181.321+/-58.950 χ^2/NDF: 103.1/46

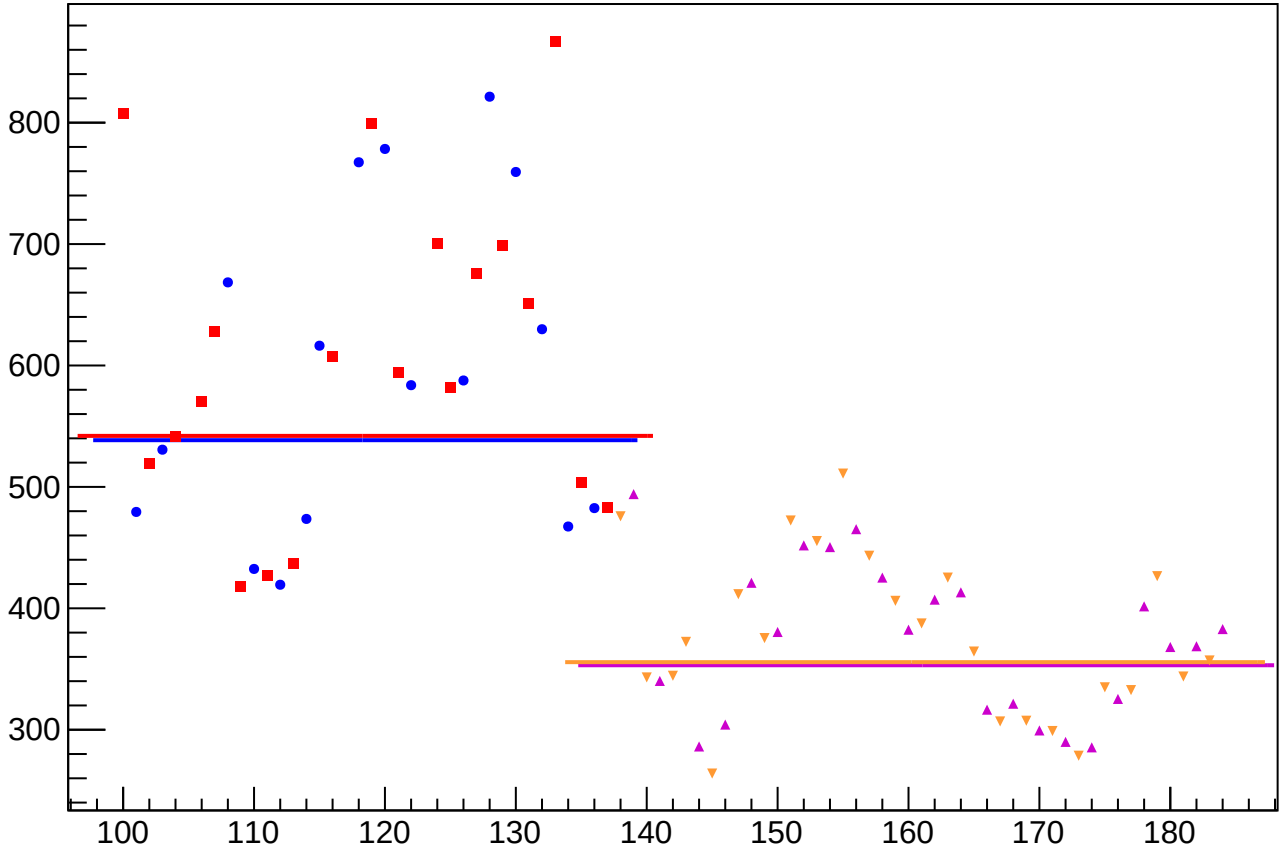
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 26.336+/-77.686 χ^2/NDF:46.6/38

Out: -297.047+/-76.769 χ^2/NDF:88.6/42

All: -137.277+/-54.605 χ^2/NDF: 144.0/81

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: 353.110+/-0.059 χ^2/NDF:1004126.9/22

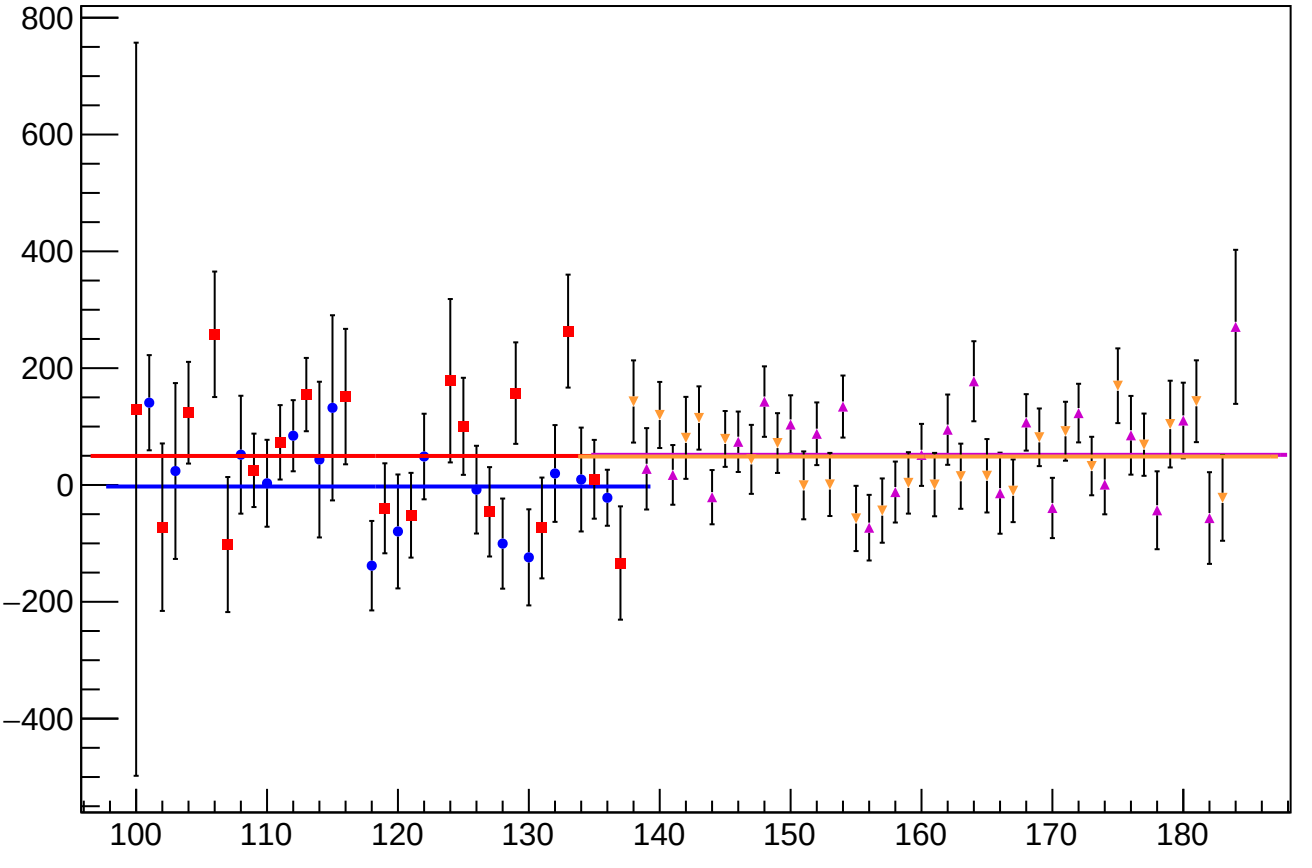
Left: 354.401+/-0.042 χ^2/NDF: 2135428.6/46

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 379.520+/-0.055 χ^2/NDF:3009278.0/38

Out: 382.024+/-0.054 χ^2/NDF:3193401.5/42

All: 380.787+/-0.039 χ^2/NDF: 6203731.0/81



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: 51.616+/-11.929 χ^2/NDF:35.8/22

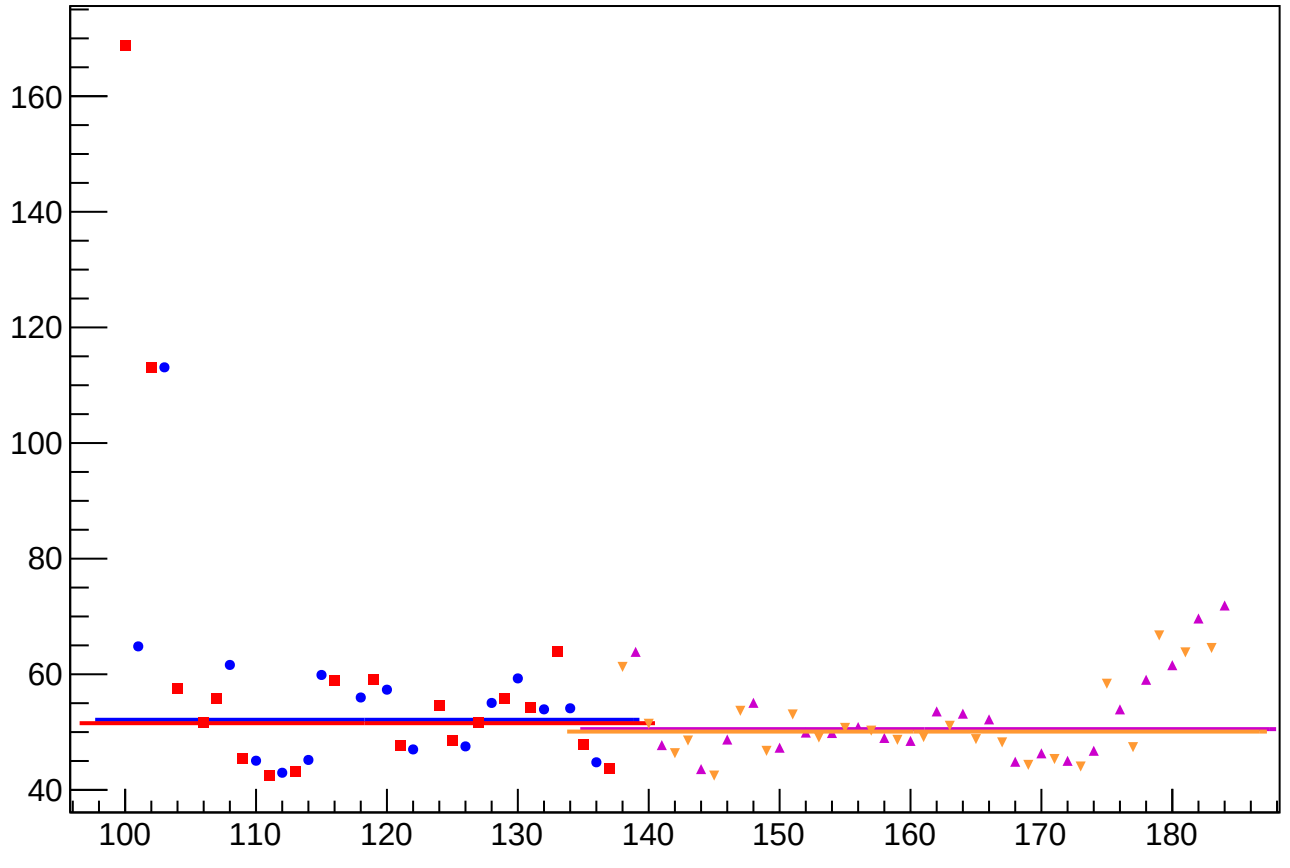
Left: 50.131+/-8.312 χ^2/NDF: 61.2/46

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 37.379+/-10.244 χ^2/NDF:55.9/38

Out: 48.979+/-9.979 χ^2/NDF:54.6/42

All: 43.332+/-7.148 χ^2/NDF: 111.1/81



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: 50.512+/-0.008 χ^2/NDF:503409.2/22

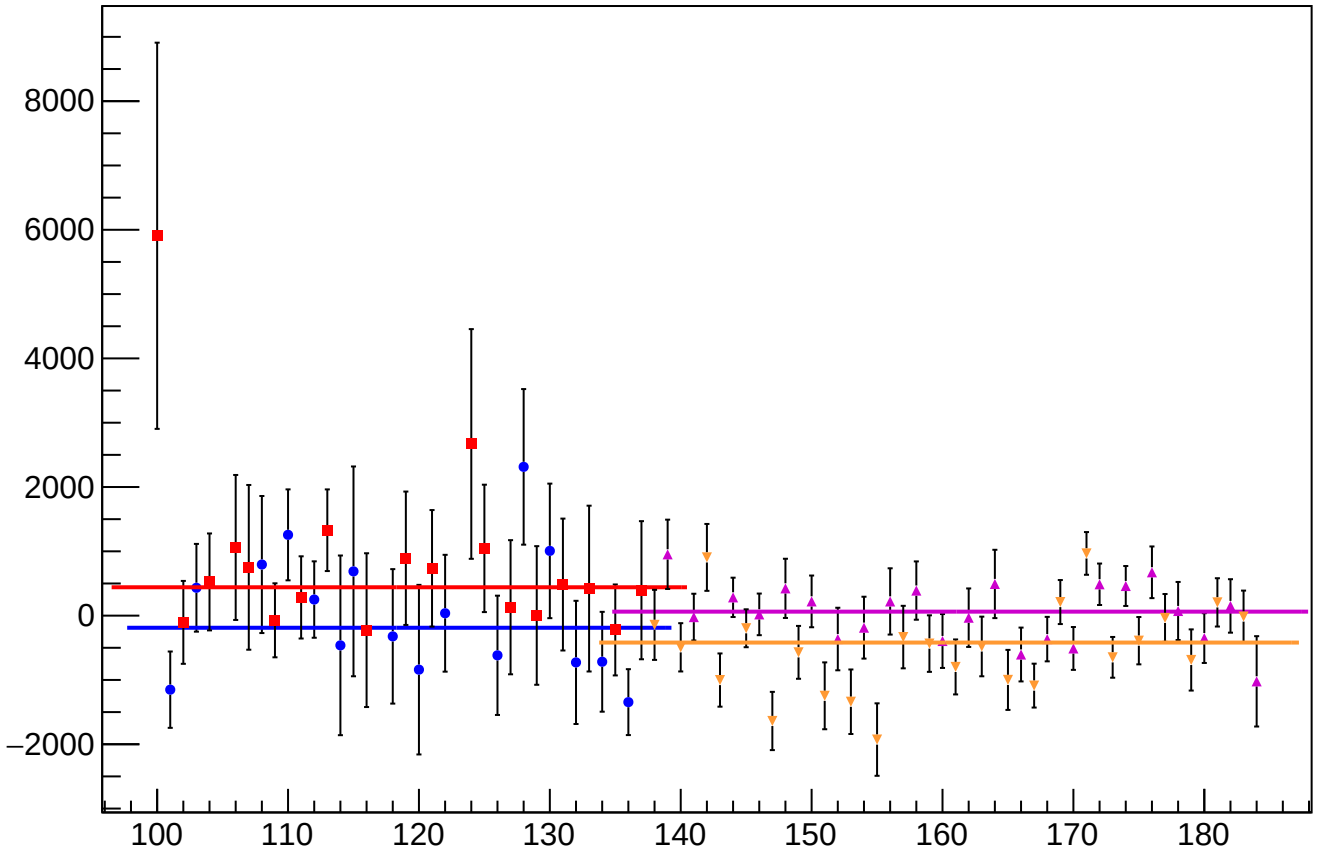
Left: 50.294+/-0.006 χ^2/NDF: 1009573.6/46

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.936+/-0.007 χ^2/NDF:1075968.4/38

Out: 50.464+/-0.007 χ^2/NDF:1152757.5/42

All: 50.694+/-0.005 χ^2/NDF: 2230906.8/81



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: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -181.321+/-58.950 χ^2/NDF: 103.1/46

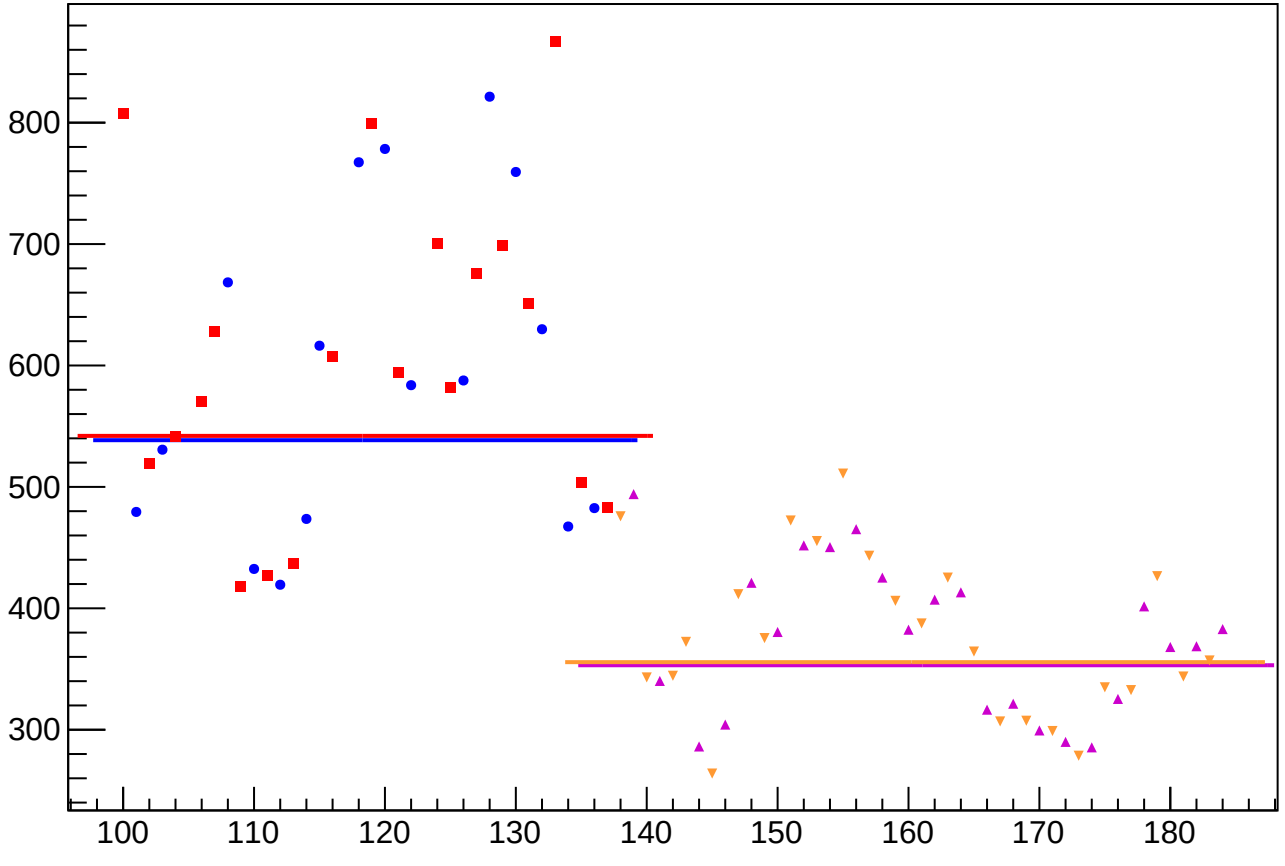
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 26.336+/-77.686 χ^2/NDF:46.6/38

Out: -297.047+/-76.769 χ^2/NDF:88.6/42

All: -137.277+/-54.605 χ^2/NDF: 144.0/81

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: 353.110+/-0.059 χ^2/NDF:1004126.9/22

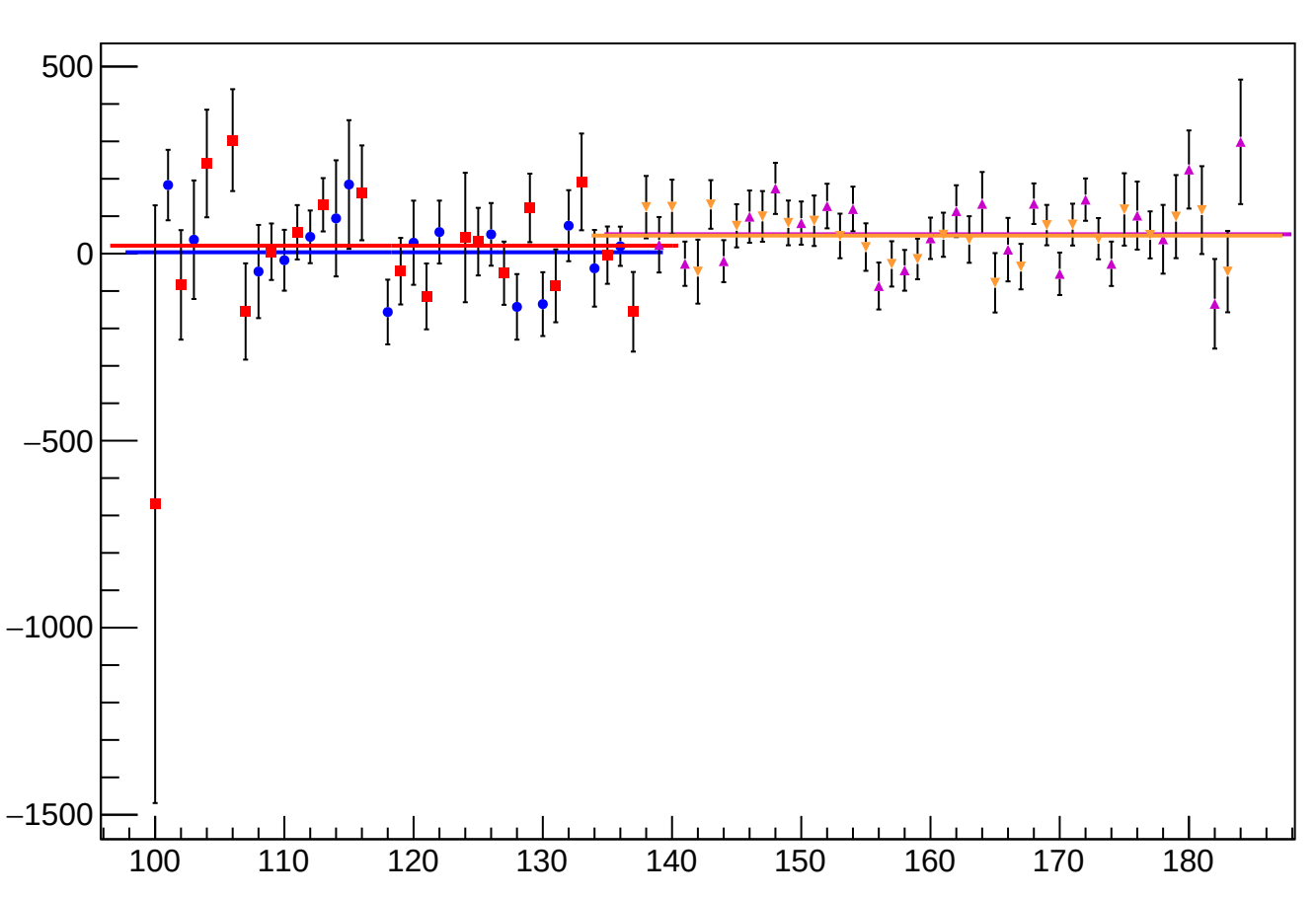
Left: 354.401+/-0.042 χ^2/NDF: 2135428.6/46

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 379.520+/-0.055 χ^2/NDF:3009278.0/38

Out: 382.024+/-0.054 χ^2/NDF:3193401.5/42

All: 380.787+/-0.039 χ^2/NDF: 6203731.0/81



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: 51.652+/-13.934 χ^2/NDF:38.2/22

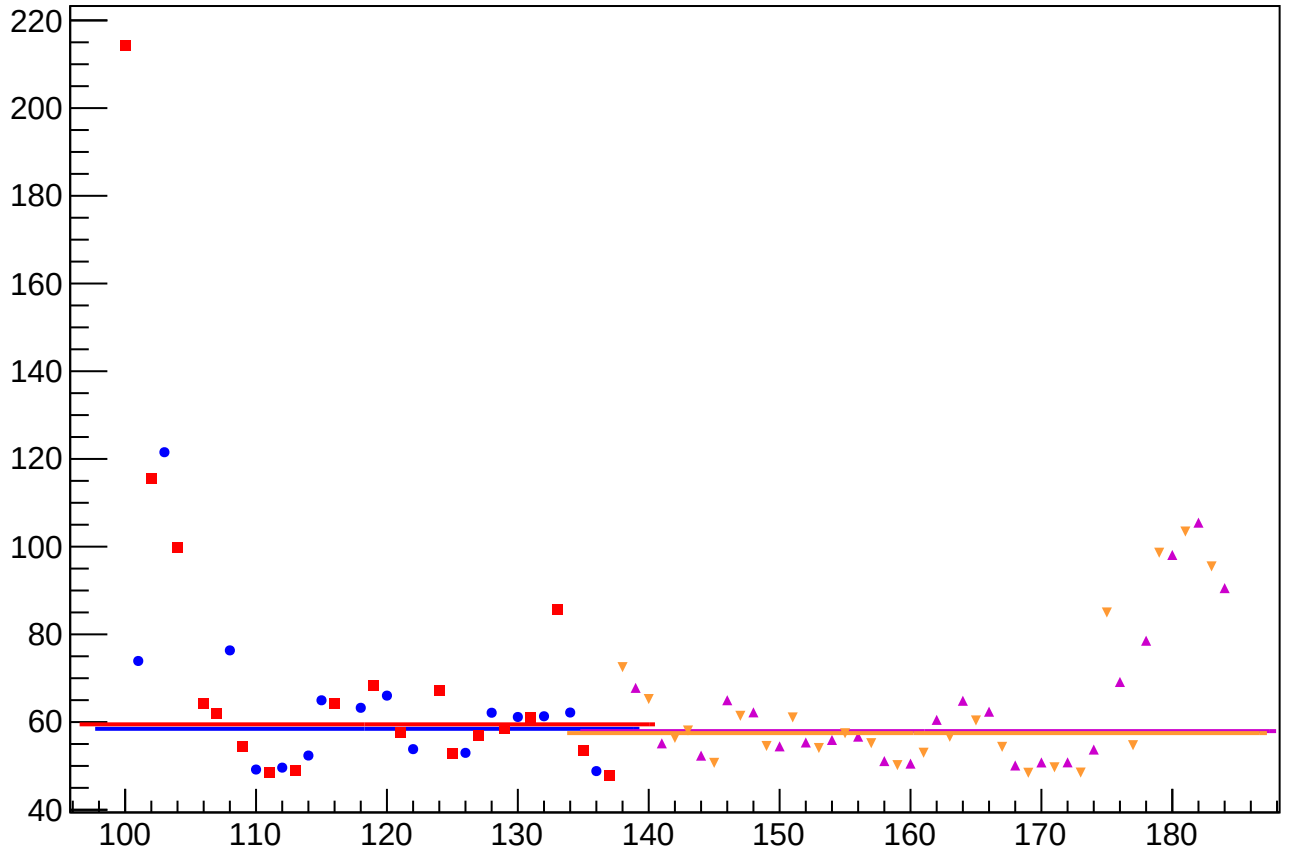
Left: 49.887+/-9.721 χ^2/NDF: 54.5/46

Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 38.314+/-11.843 χ^2/NDF:57.6/38

Out: 41.148+/-11.656 χ^2/NDF:41.7/42

All: 39.753+/-8.307 χ^2/NDF: 99.4/81



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: 57.940+/-0.010 χ^2/NDF:1124523.3/22

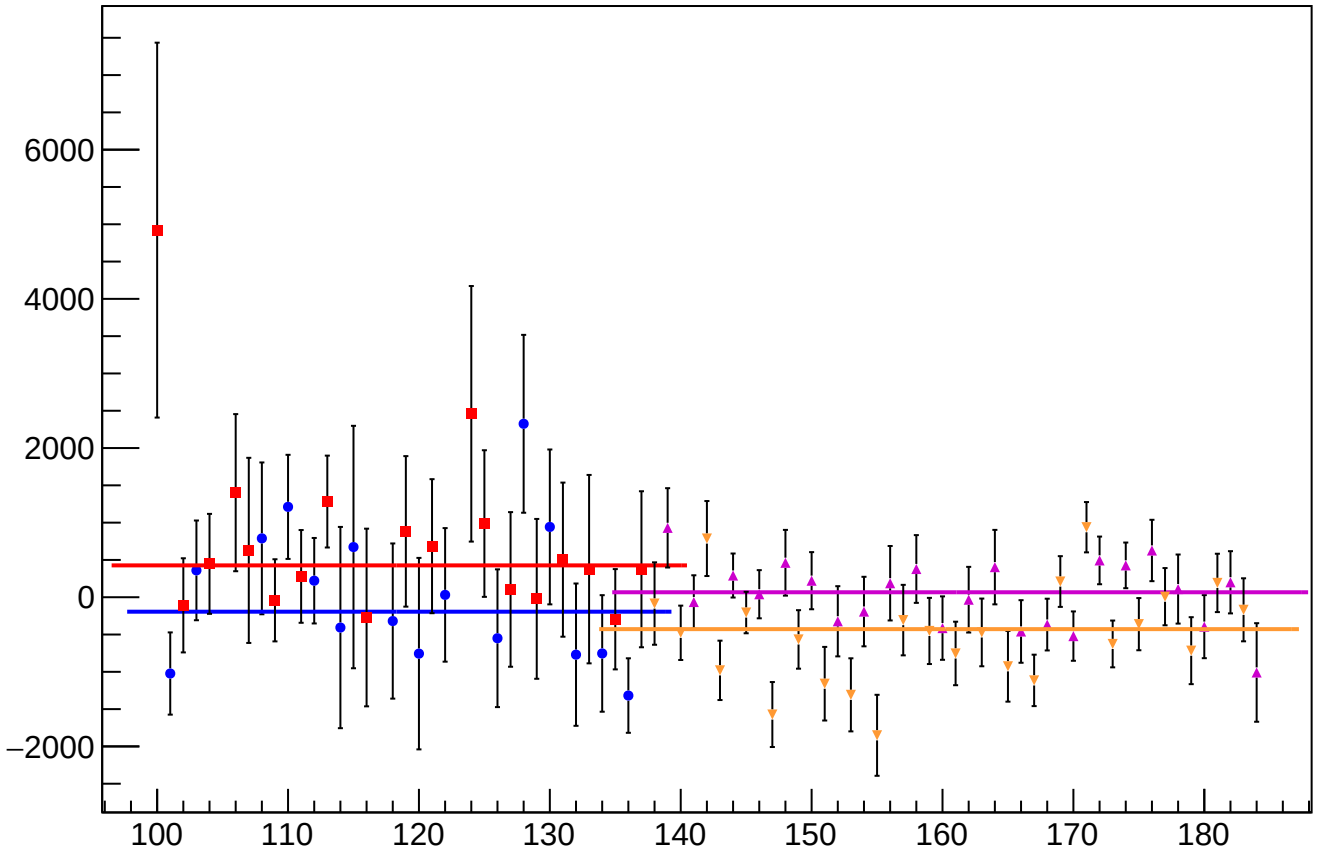
Left: 57.706+/-0.007 χ^2/NDF: 2463561.2/46

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 58.086+/-0.008 χ^2/NDF:1708296.6/38

Out: 58.008+/-0.008 χ^2/NDF:2134202.9/42

All: 58.047+/-0.006 χ^2/NDF: 3842542.8/81



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: 66.637+/-83.082 χ^2/NDF:22.9/22

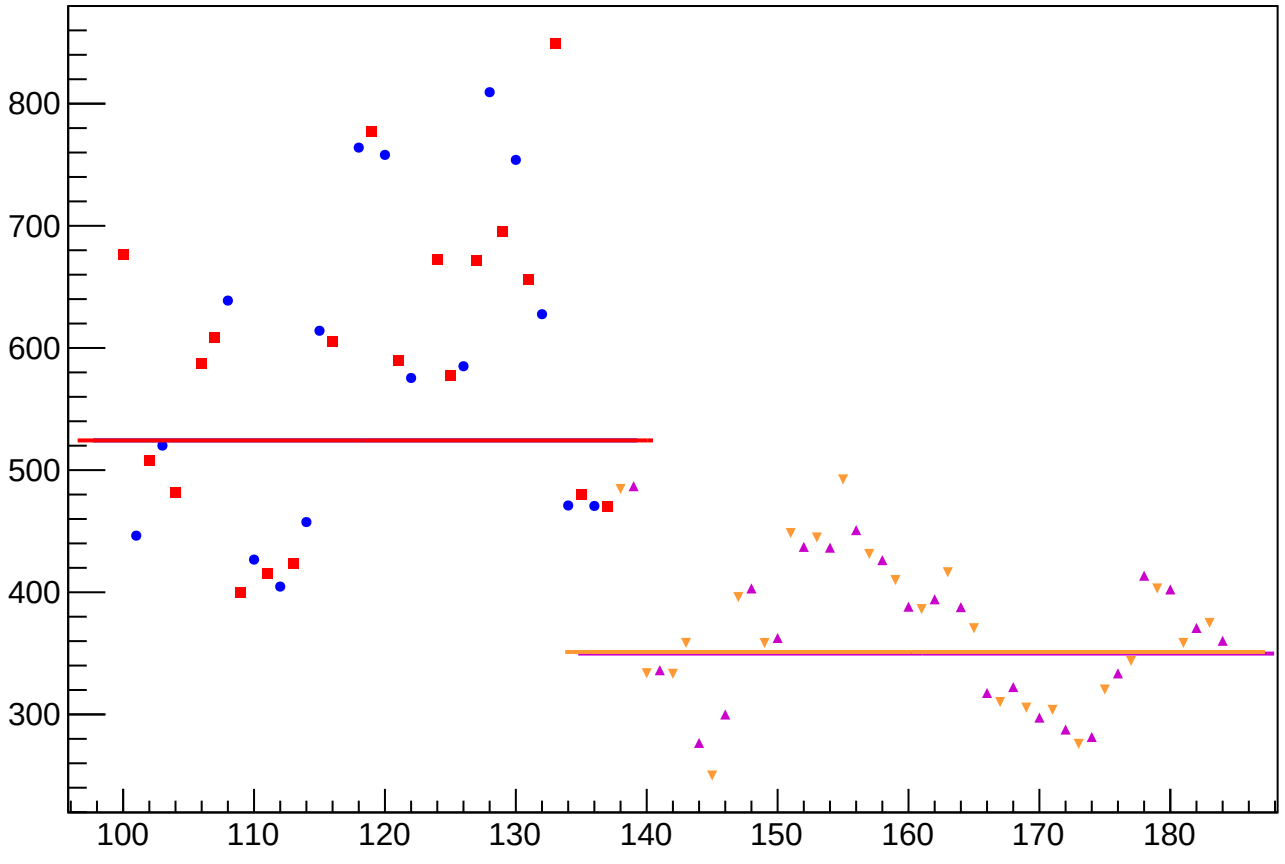
Left: -184.774+/-58.242 χ^2/NDF: 99.7/46

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 28.491+/-76.759 χ^2/NDF:45.1/38

Out: -302.366+/-75.443 χ^2/NDF:86.2/42

All: -139.798+/-53.806 χ^2/NDF: 140.8/81



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: 349.813+/-0.059 χ^2/NDF:990366.6/22

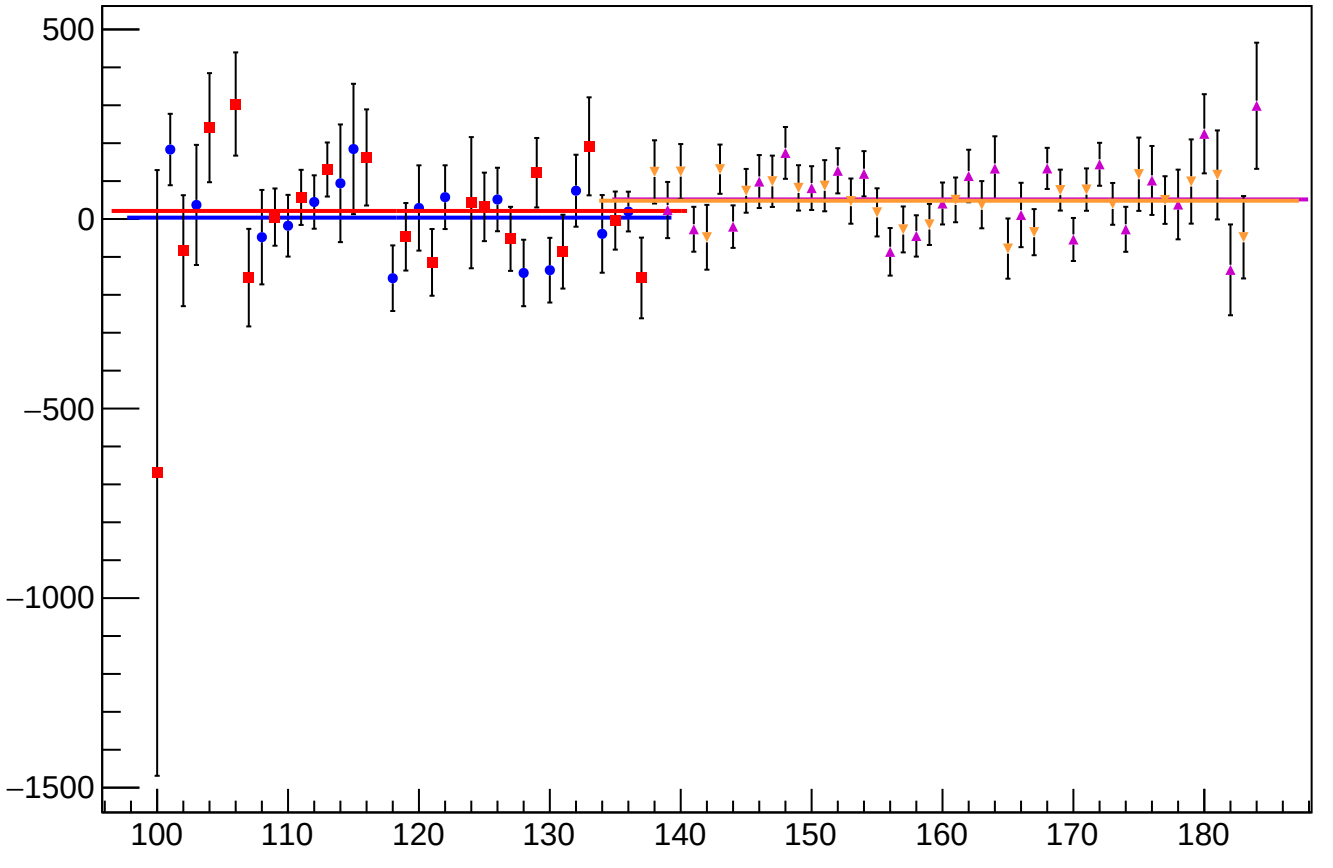
Left: 350.482+/-0.041 χ^2/NDF: 2108444.7/46

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 375.364+/-0.054 χ^2/NDF:2940840.1/38

Out: 376.525+/-0.053 χ^2/NDF:3122713.4/42

All: 375.955+/-0.038 χ^2/NDF: 6063786.2/81



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: 51.651+/-13.934 χ^2/NDF:38.2/22

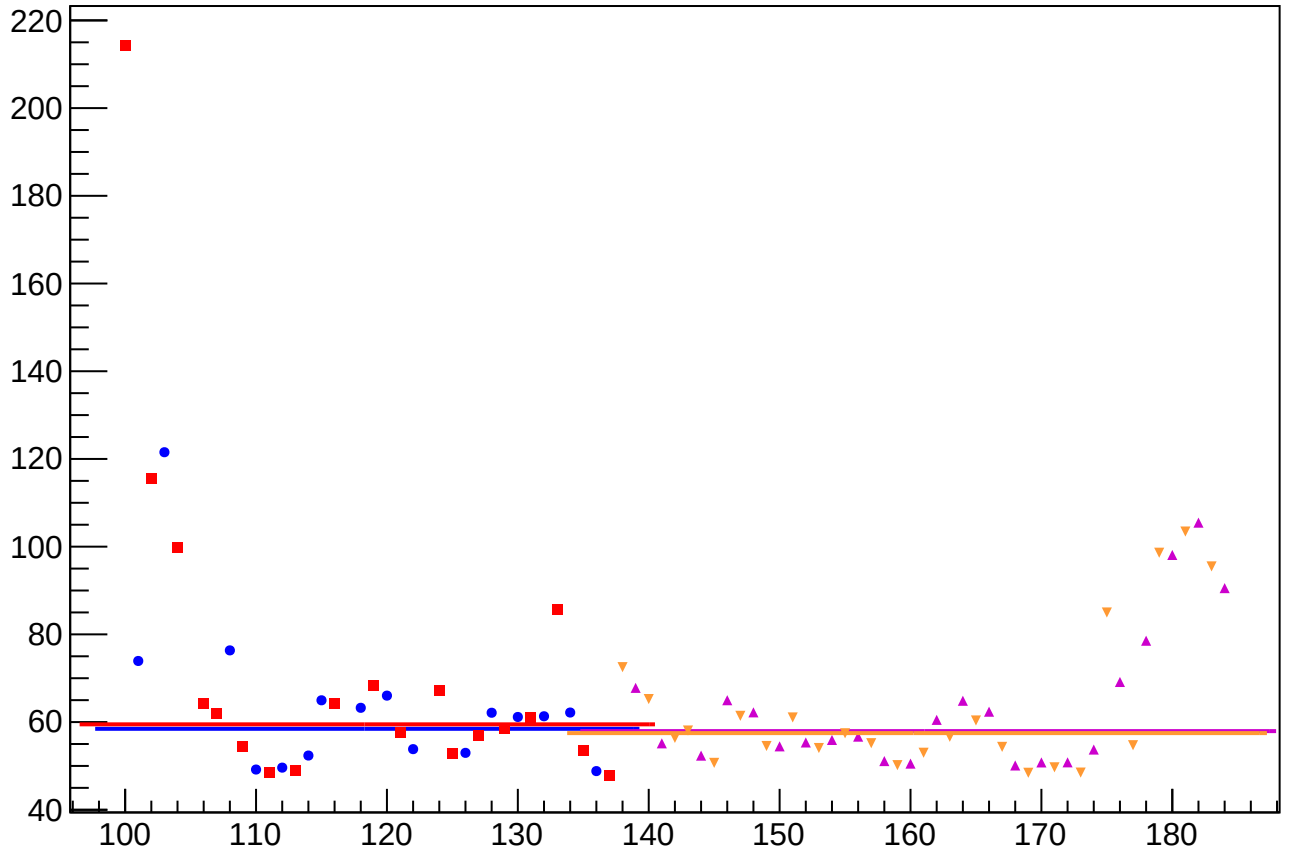
Left: 49.887+/-9.721 χ^2/NDF: 54.5/46

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 38.314+/-11.843 χ^2/NDF:57.6/38

Out: 41.147+/-11.656 χ^2/NDF:41.7/42

All: 39.753+/-8.307 χ^2/NDF: 99.4/81



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: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.706+/-0.007 χ^2/NDF: 2463543.1/46

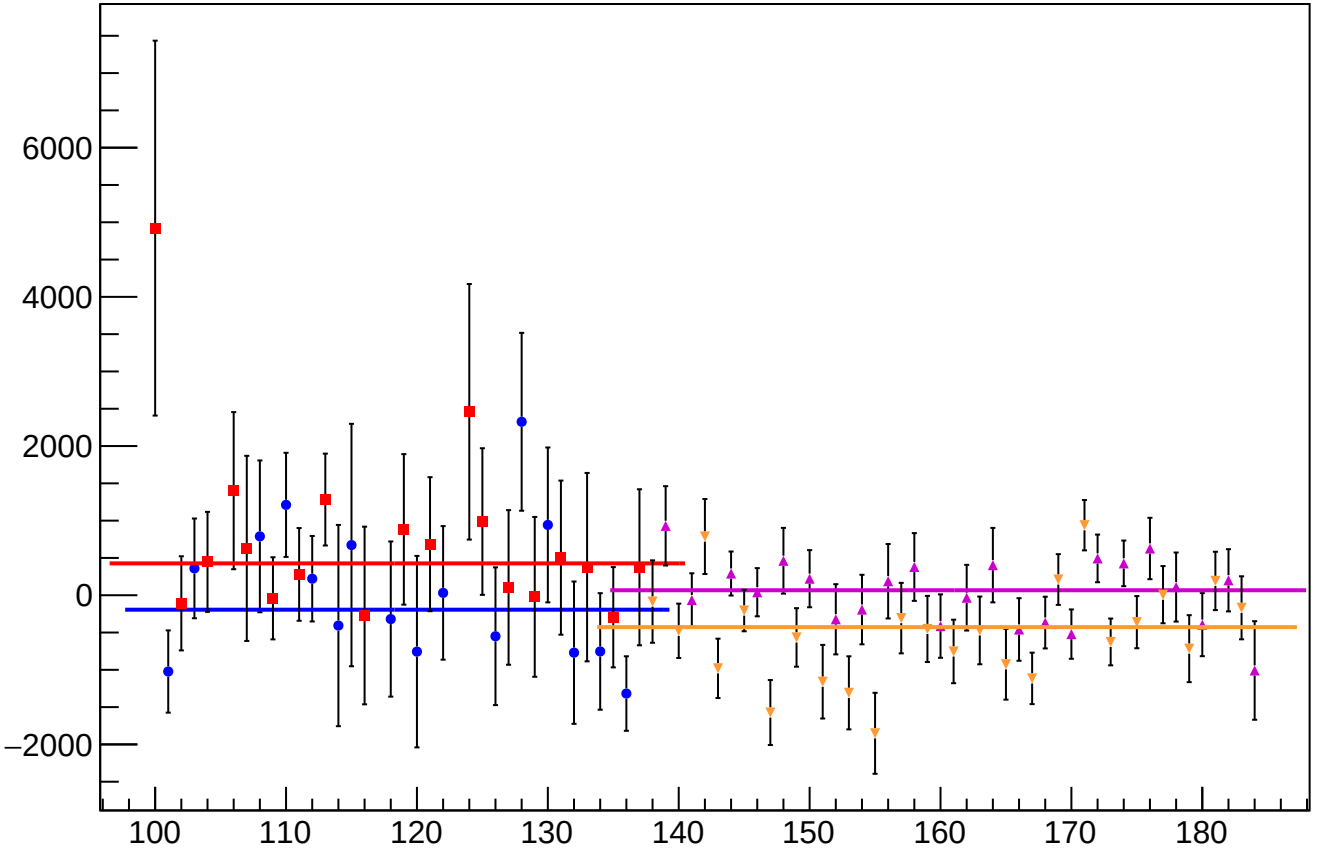
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 58.086+/-0.008 χ^2/NDF:1708279.4/38

Out: 58.009+/-0.008 χ^2/NDF:2134198.7/42

All: 58.047+/-0.006 χ^2/NDF: 3842521.4/81

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: 66.637+/-83.082 χ^2/NDF:22.9/22

Left: -184.774+/-58.242 χ^2/NDF: 99.7/46

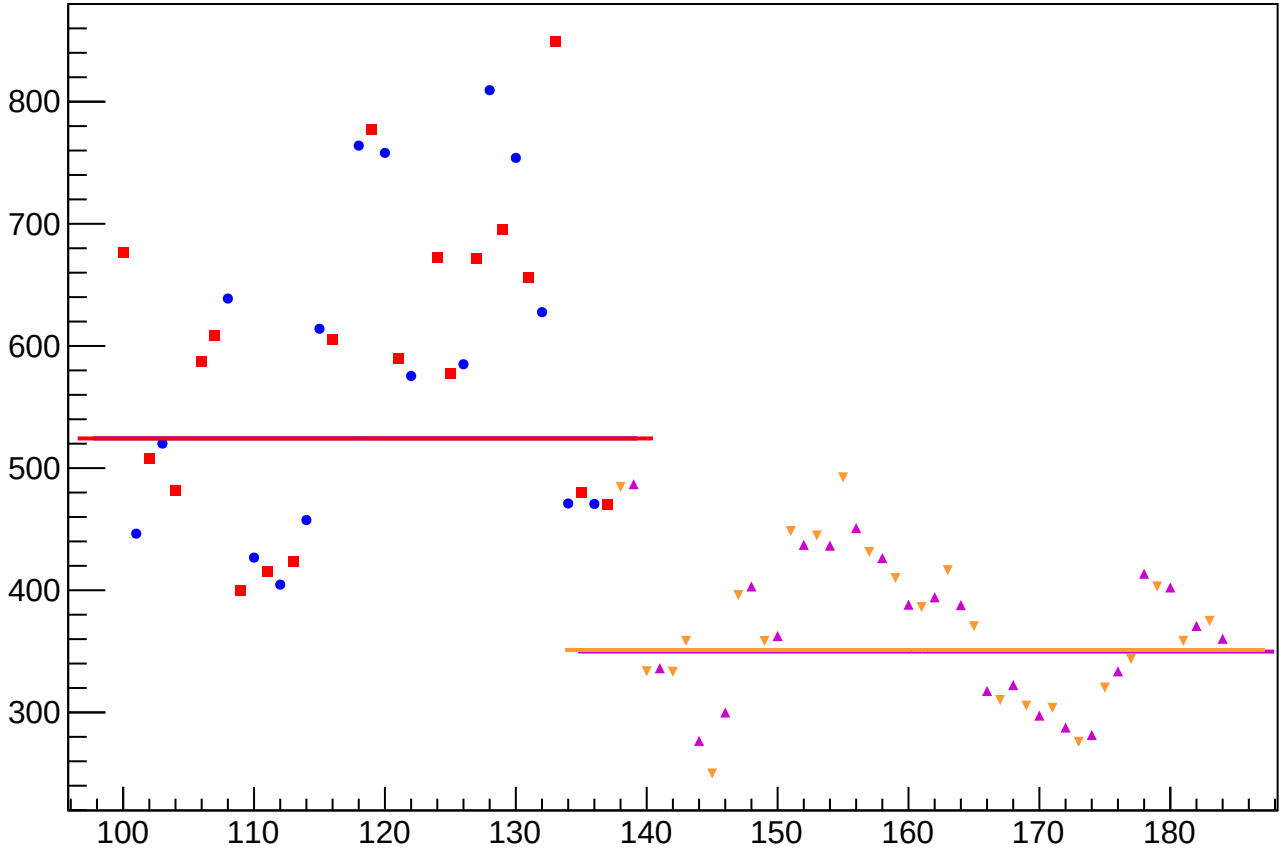
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 28.491+/-76.759 χ^2/NDF:45.1/38

Out: -302.366+/-75.443 χ^2/NDF:86.2/42

All: -139.798+/-53.805 χ^2/NDF: 140.8/81

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: 349.813+/-0.059 χ^2/NDF:990359.9/22

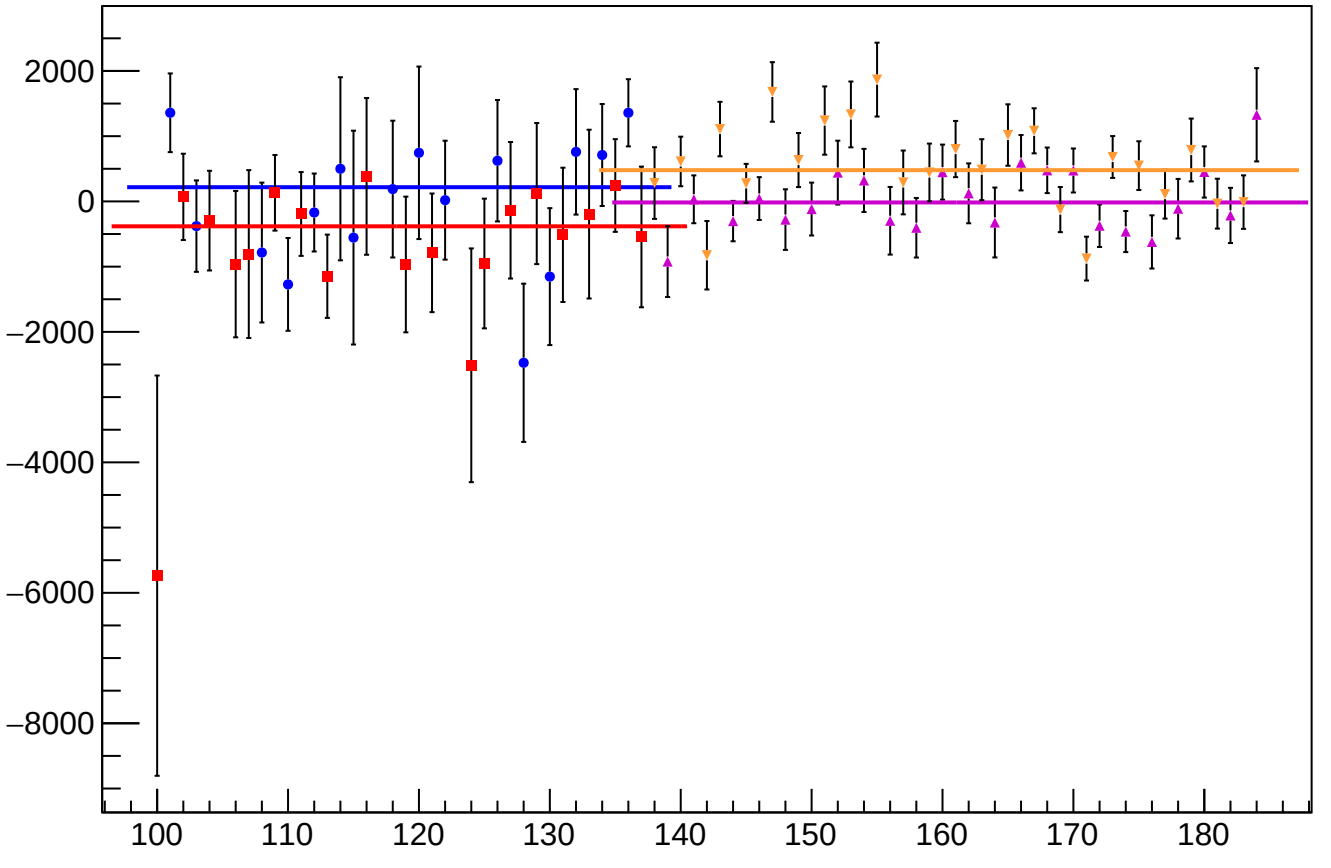
Left: 350.482+/-0.041 χ^2/NDF: 2108433.3/46

Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 375.364+/-0.054 χ^2/NDF:2940830.0/38

Out: 376.525+/-0.053 χ^2/NDF:3122704.7/42

All: 375.954+/-0.038 χ^2/NDF: 6063767.3/81



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: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 234.576+/-59.601 χ^2/NDF: 98.7/46

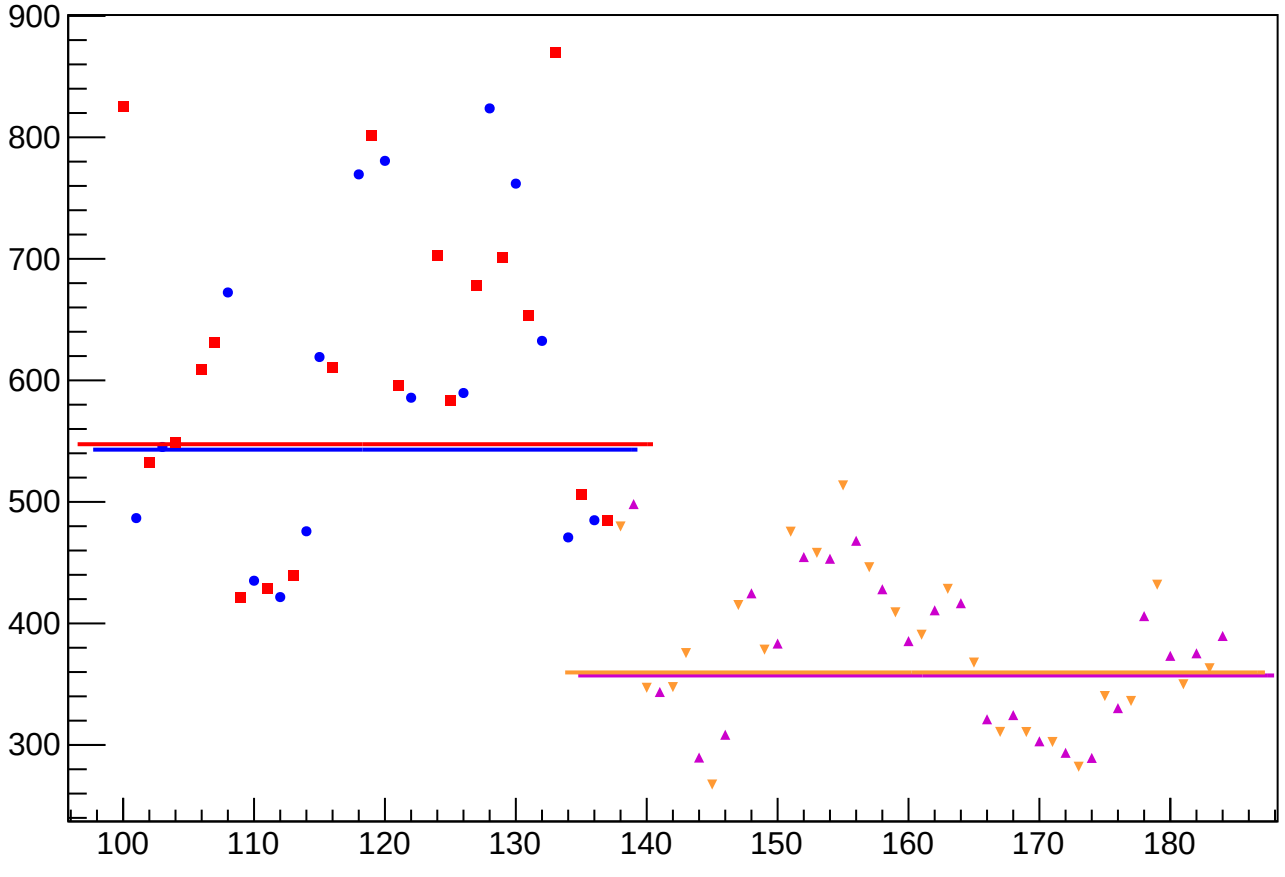
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 17.414+/-78.522 χ^2/NDF:48.8/38

Out: 356.390+/-77.567 χ^2/NDF:81.6/42

All: 188.975+/-55.182 χ^2/NDF: 139.9/81

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: 357.182+/-0.060 χ^2/NDF:981641.8/22

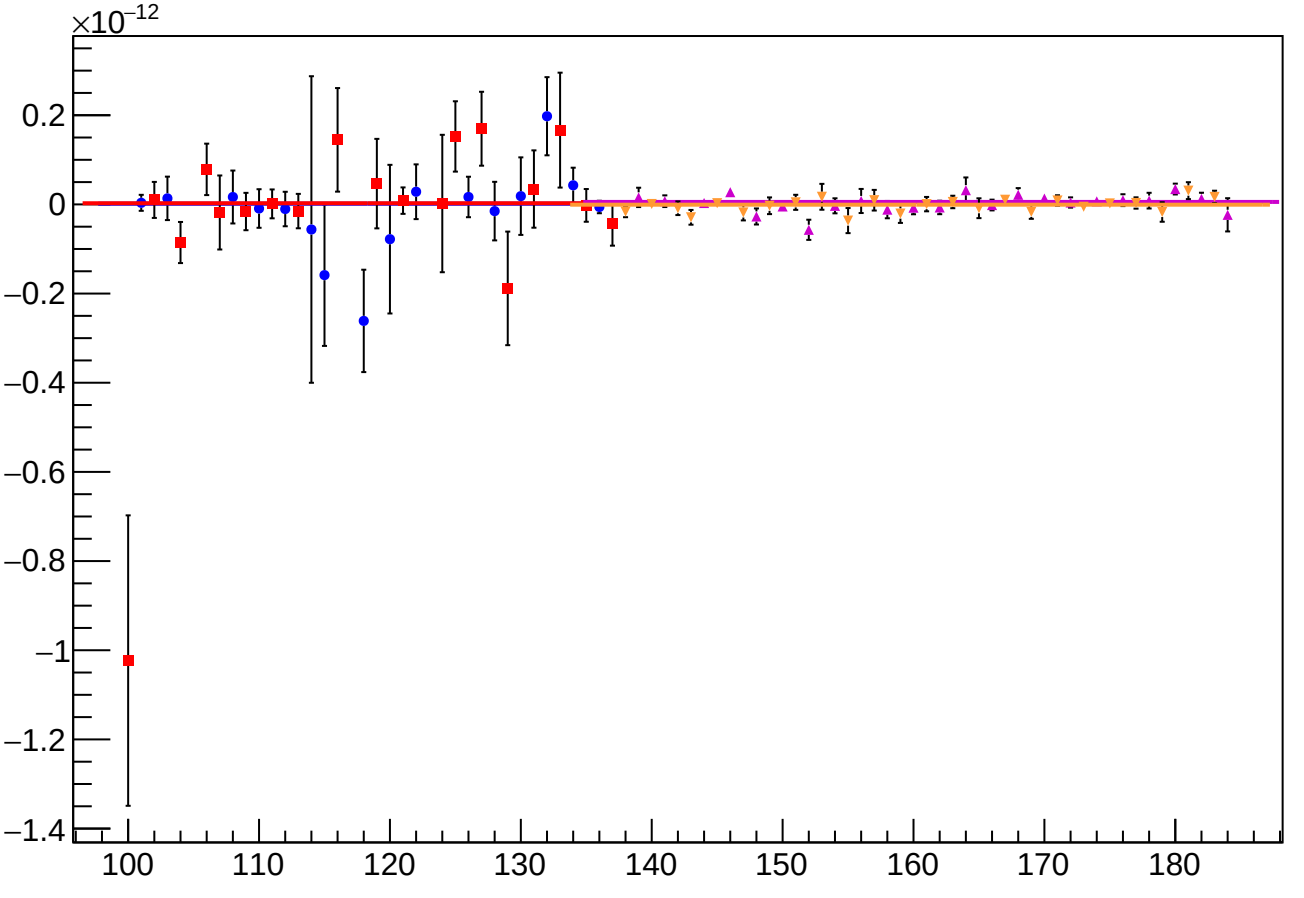
Left: 358.445+/-0.042 χ^2/NDF: 2086986.5/46

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 383.793+/-0.056 χ^2/NDF:2961136.9/38

Out: 386.409+/-0.055 χ^2/NDF:3165914.9/42

All: 385.117+/-0.039 χ^2/NDF: 6128175.5/81



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:28.5/22

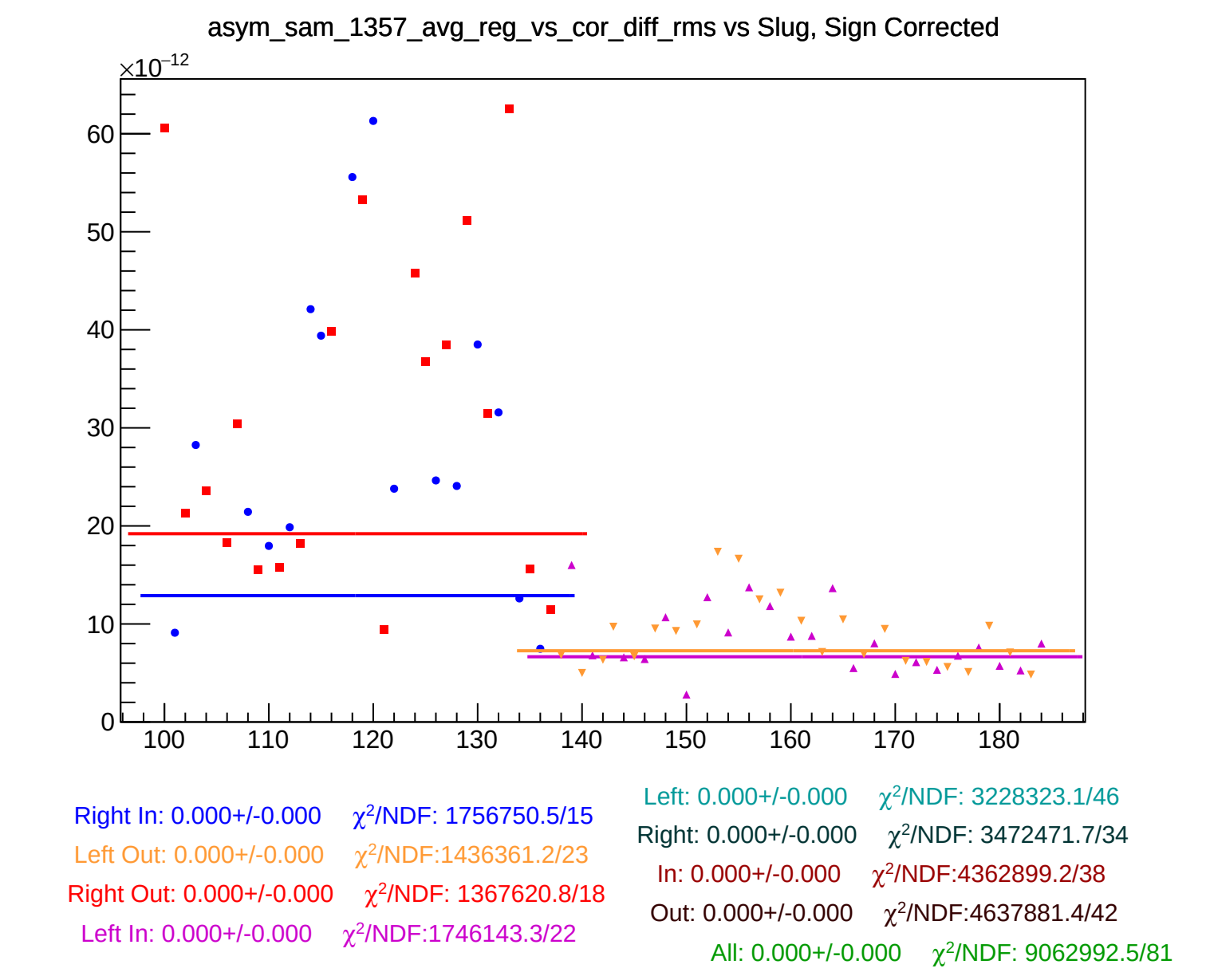
Left: 0.000+/-0.000 χ^2/NDF: 48.2/46

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

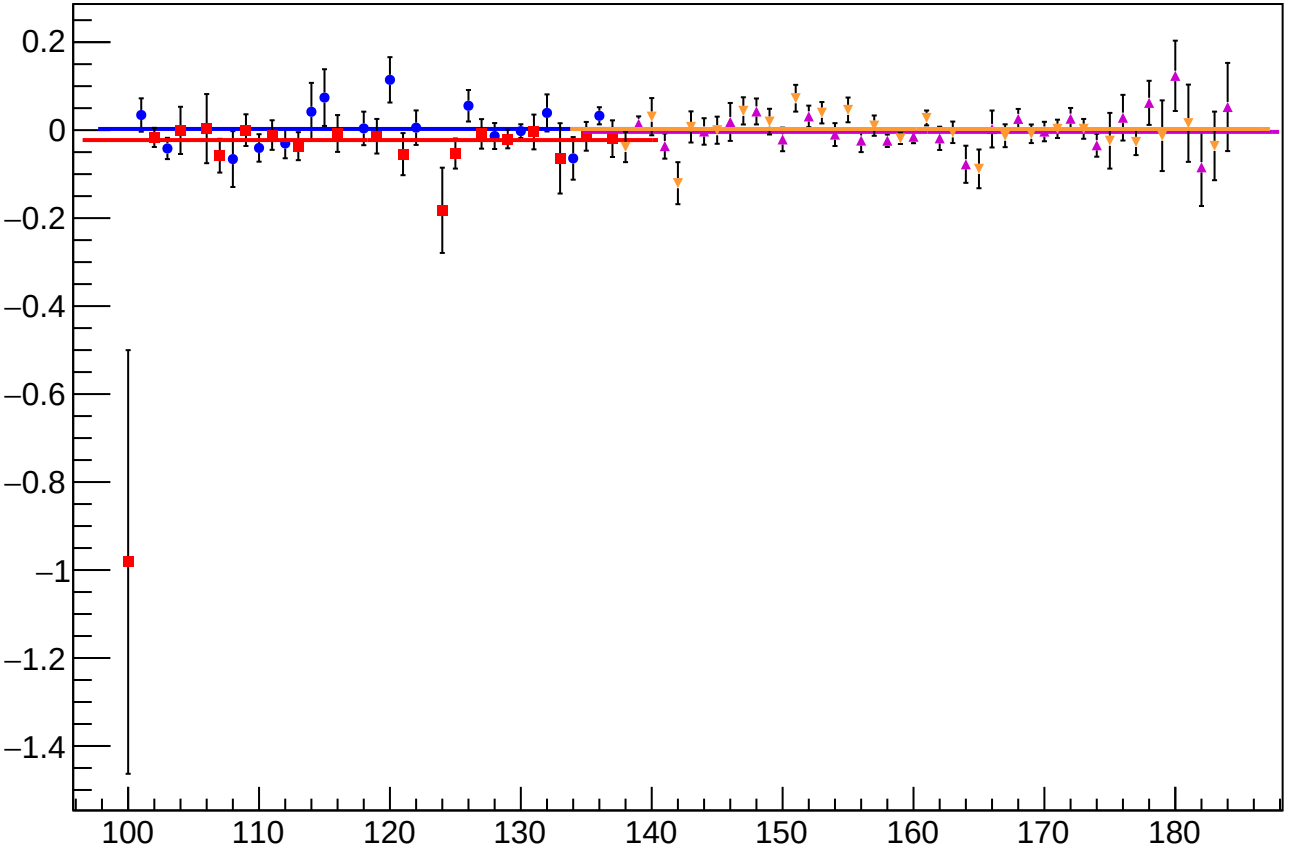
In: 0.000+/-0.000 χ^2/NDF:42.3/38

Out: -0.000+/-0.000 χ^2/NDF:47.5/42

All: 0.000+/-0.000 χ^2/NDF: 91.9/81


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:1746143.3/22
Left: 0.000+/-0.000 χ²/NDF: 3228323.1/46
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:4362899.2/38
Out: 0.000+/-0.000 χ²/NDF:4637881.4/42
All: 0.000+/-0.000 χ²/NDF: 9062992.5/81

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:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 57.5/46

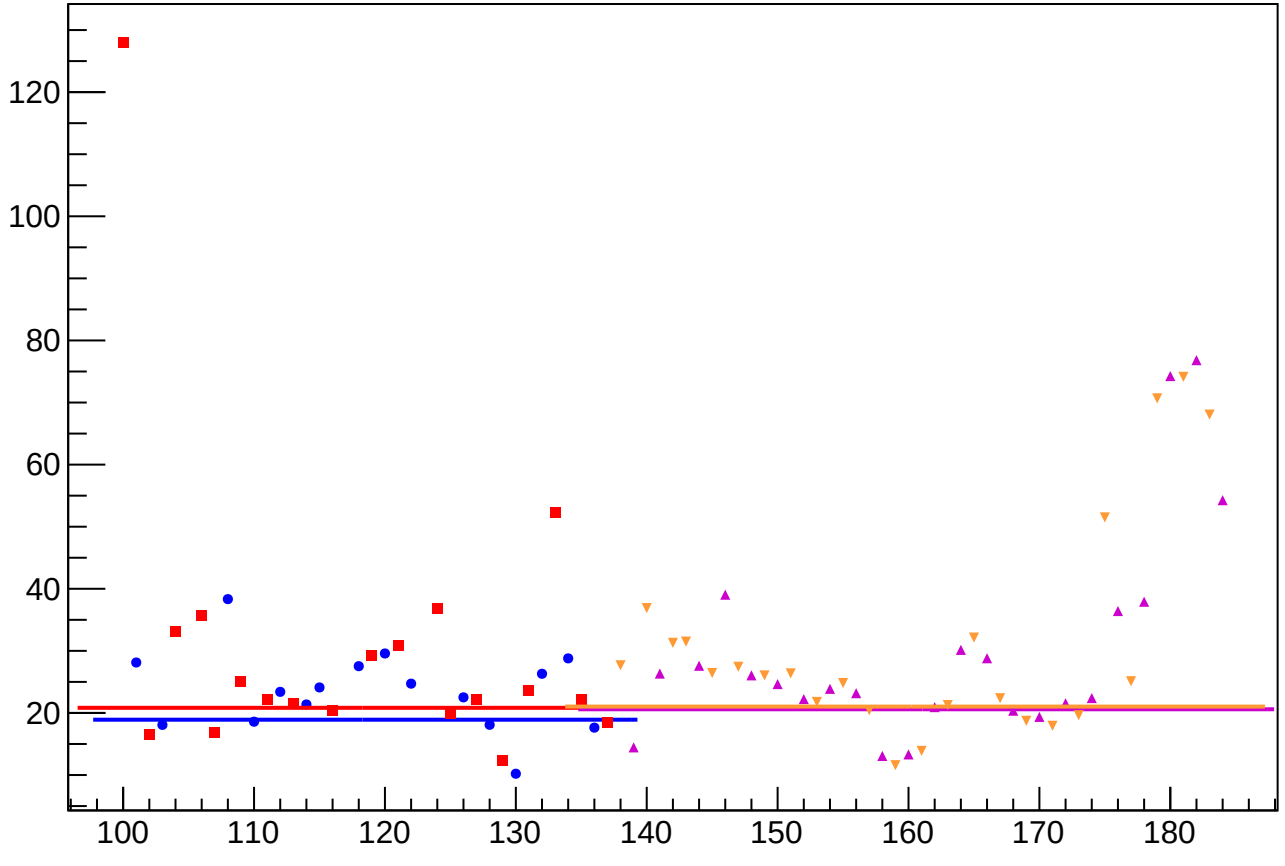
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:47.0/38

Out: -0.005+/-0.005 χ^2/NDF:49.2/42

All: -0.003+/-0.003 χ^2/NDF: 96.5/81

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: 20.591+/-0.004 χ^2/NDF:4599493.5/22

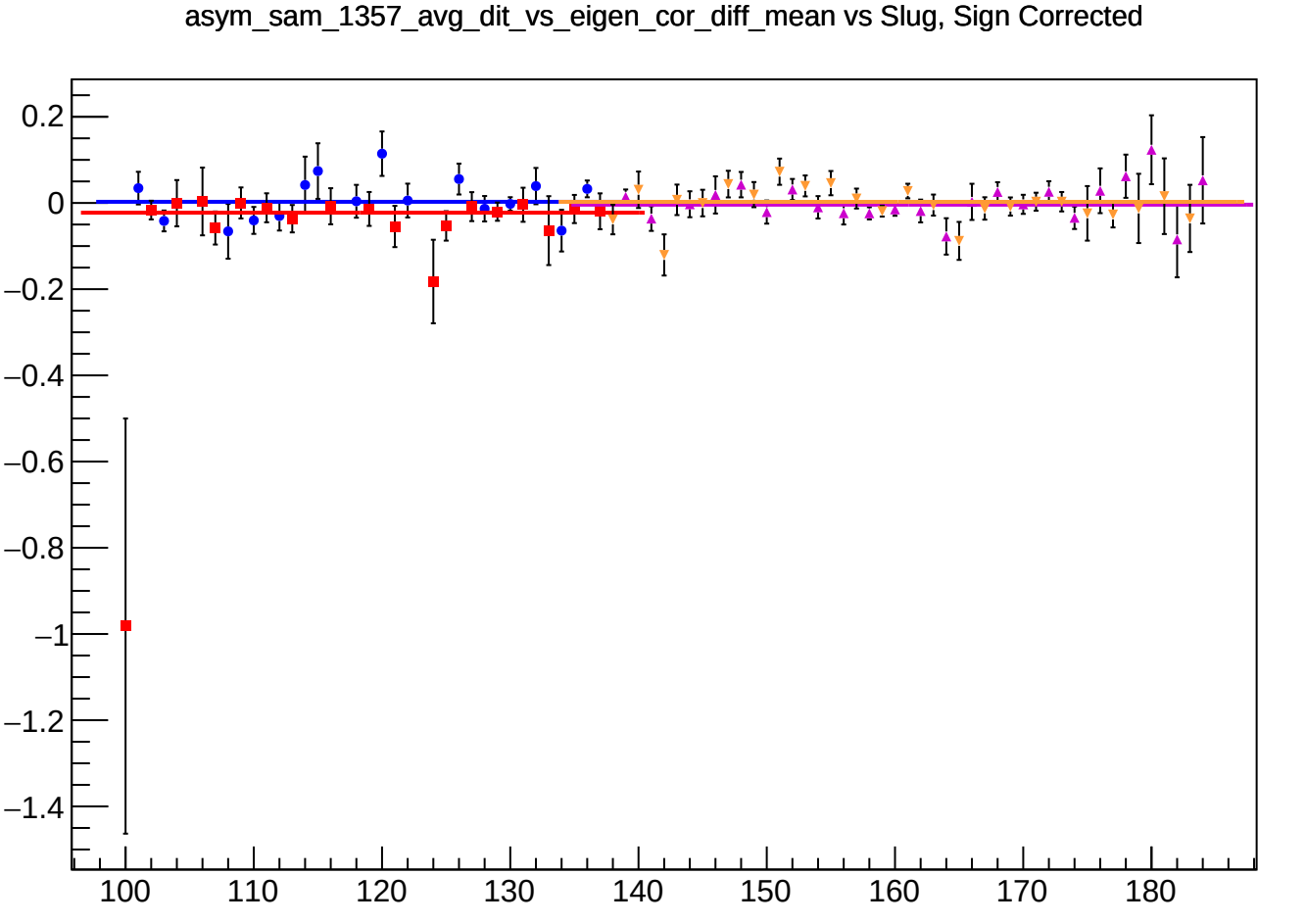
Left: 20.807+/-0.003 χ^2/NDF: 9938821.6/46

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 20.043+/-0.003 χ^2/NDF:6052267.9/38

Out: 20.966+/-0.003 χ^2/NDF:6625322.7/42

All: 20.492+/-0.002 χ^2/NDF: 12719272.9/81



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:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 57.5/46

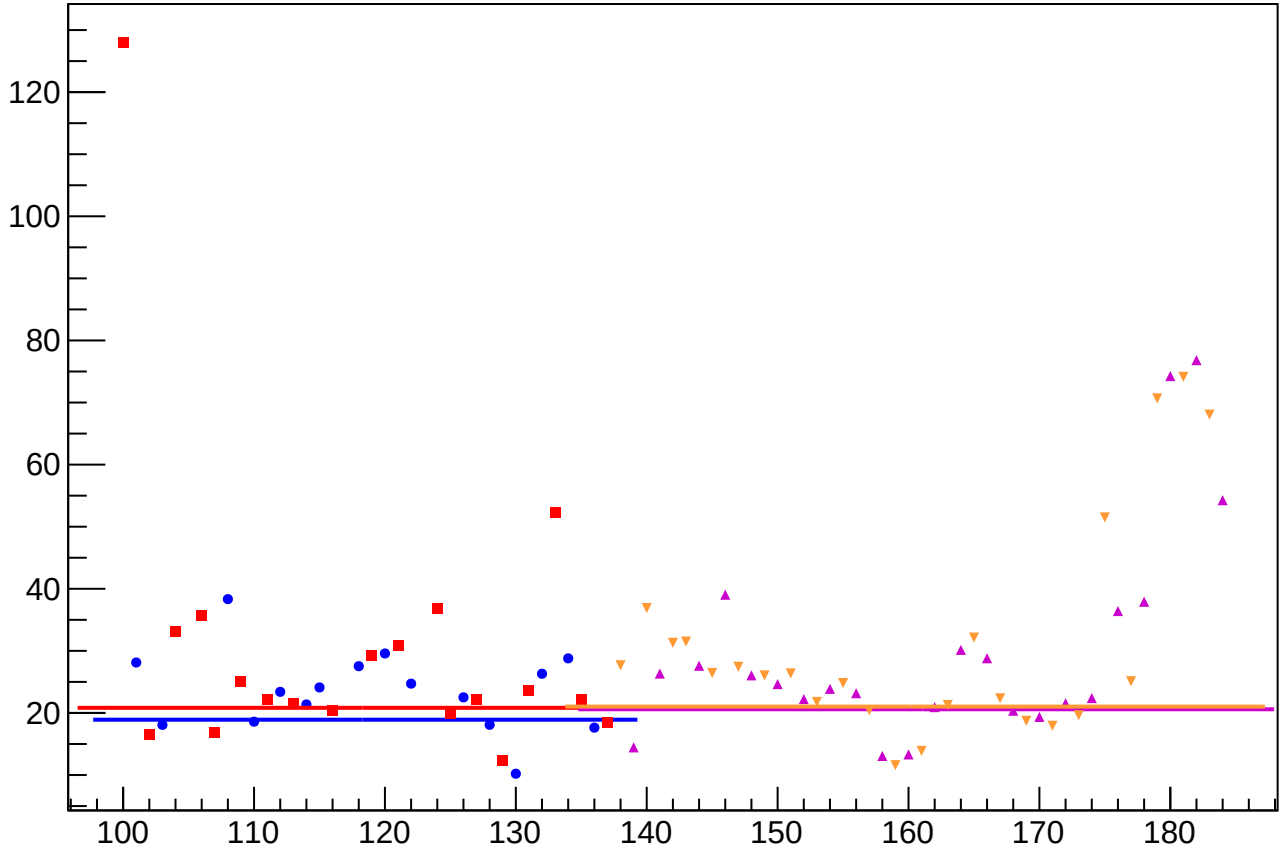
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:47.0/38

Out: -0.005+/-0.005 χ^2/NDF:49.2/42

All: -0.003+/-0.003 χ^2/NDF: 96.5/81

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: 20.591+/-0.004 χ^2/NDF:4599493.5/22

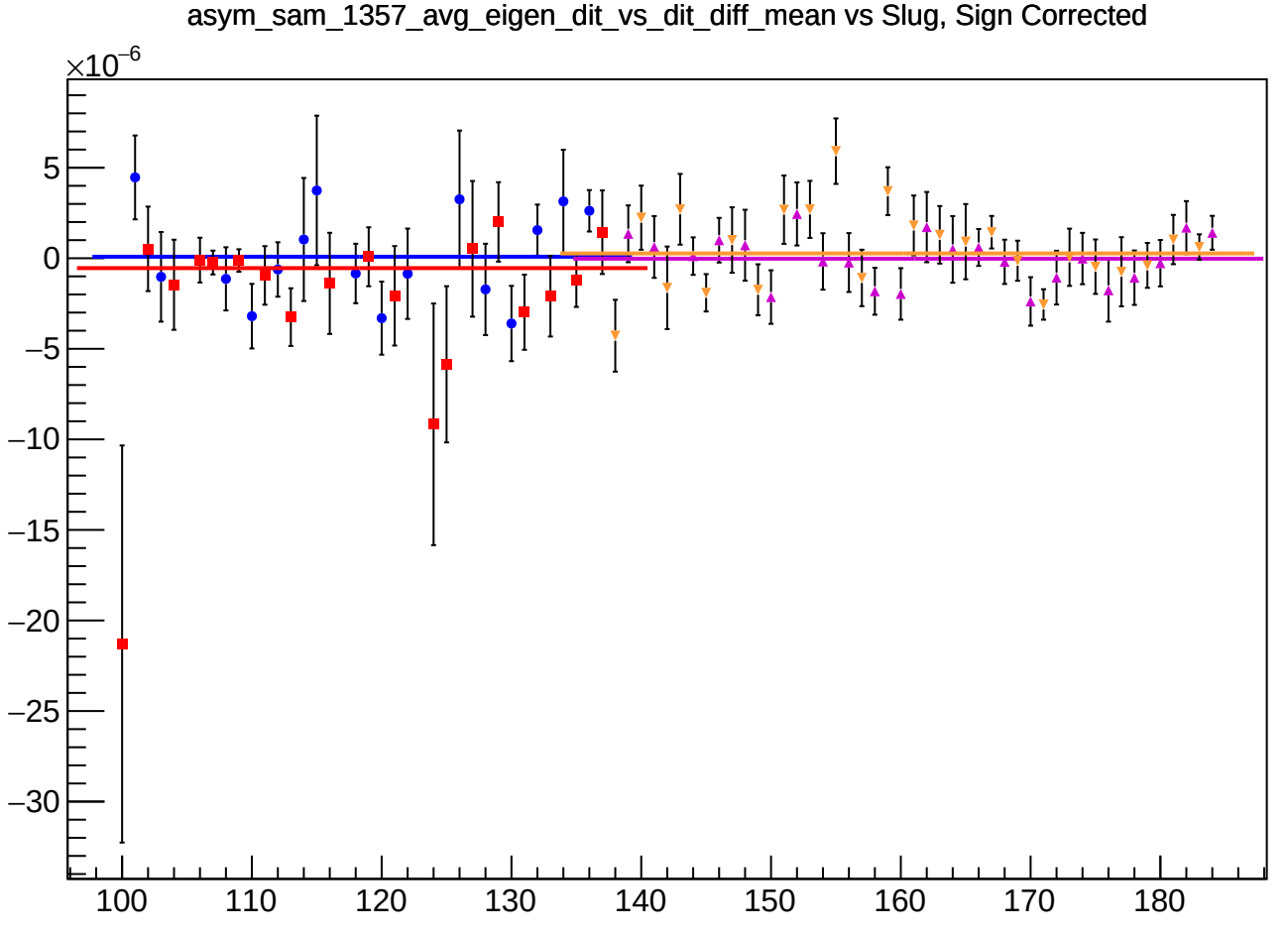
Left: 20.807+/-0.003 χ^2/NDF: 9938821.6/46

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 20.043+/-0.003 χ^2/NDF:6052267.9/38

Out: 20.966+/-0.003 χ^2/NDF:6625322.7/42

All: 20.492+/-0.002 χ^2/NDF: 12719272.9/81



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:19.8/22

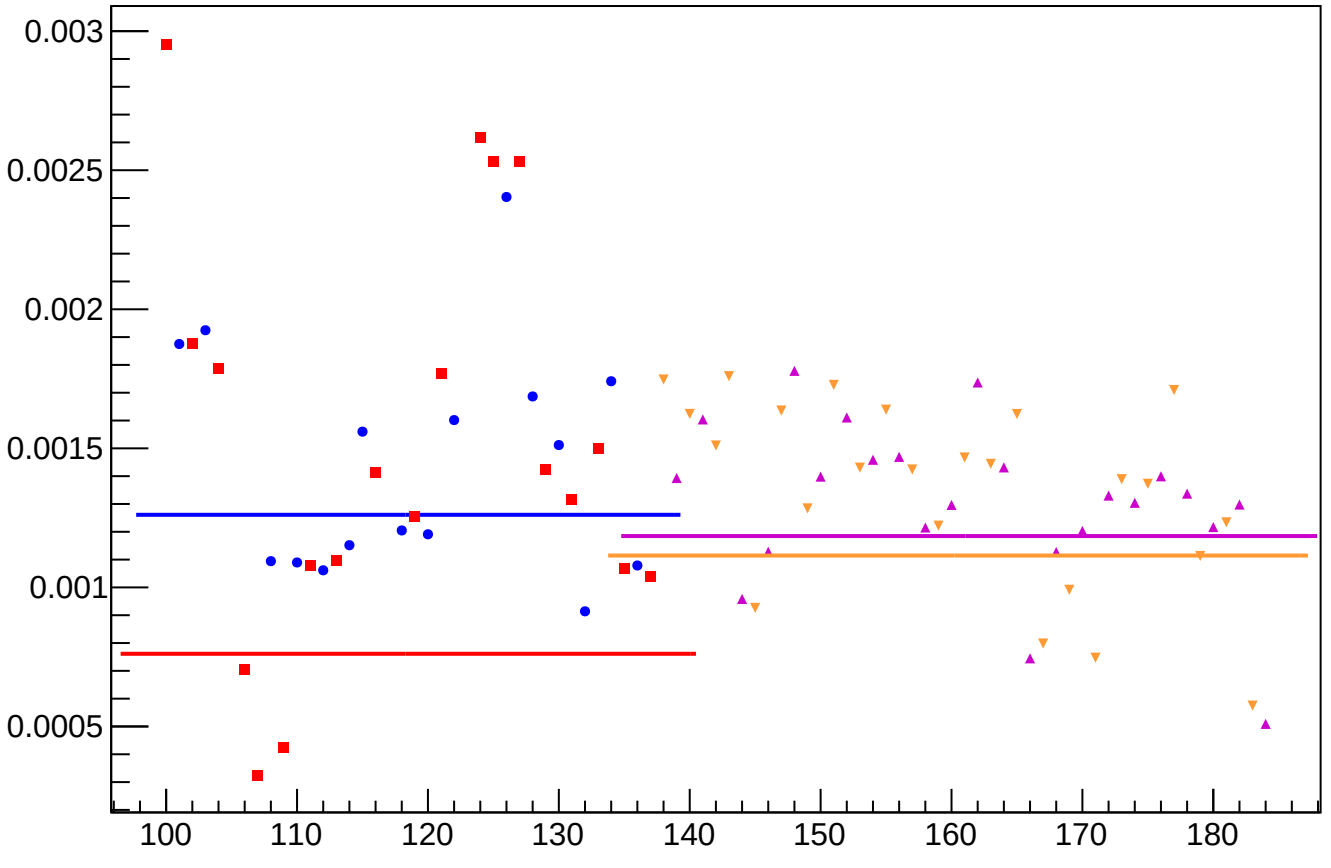
Left: 0.000+/-0.000 χ^2/NDF: 72.9/46

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:43.4/38

Out: -0.000+/-0.000 χ^2/NDF:71.7/42

All: -0.000+/-0.000 χ^2/NDF: 115.1/81



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:3933880.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

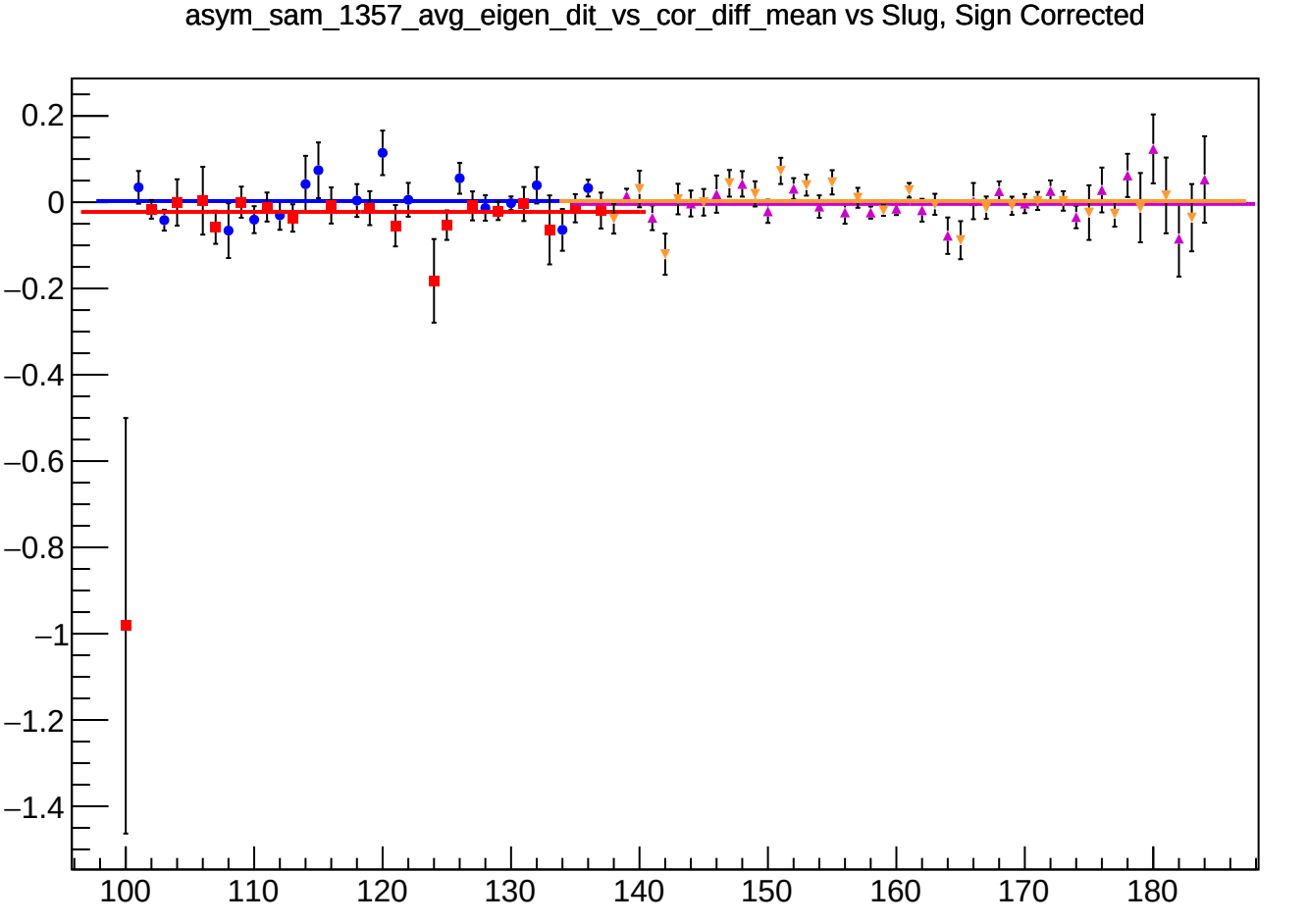
Left: 0.001+/-0.000 χ^2/NDF: 6452866.9/46

Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:3400230.0/38

Out: 0.001+/-0.000 χ^2/NDF:9933018.3/42

All: 0.001+/-0.000 χ^2/NDF: 14310347.5/81



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:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 57.5/46

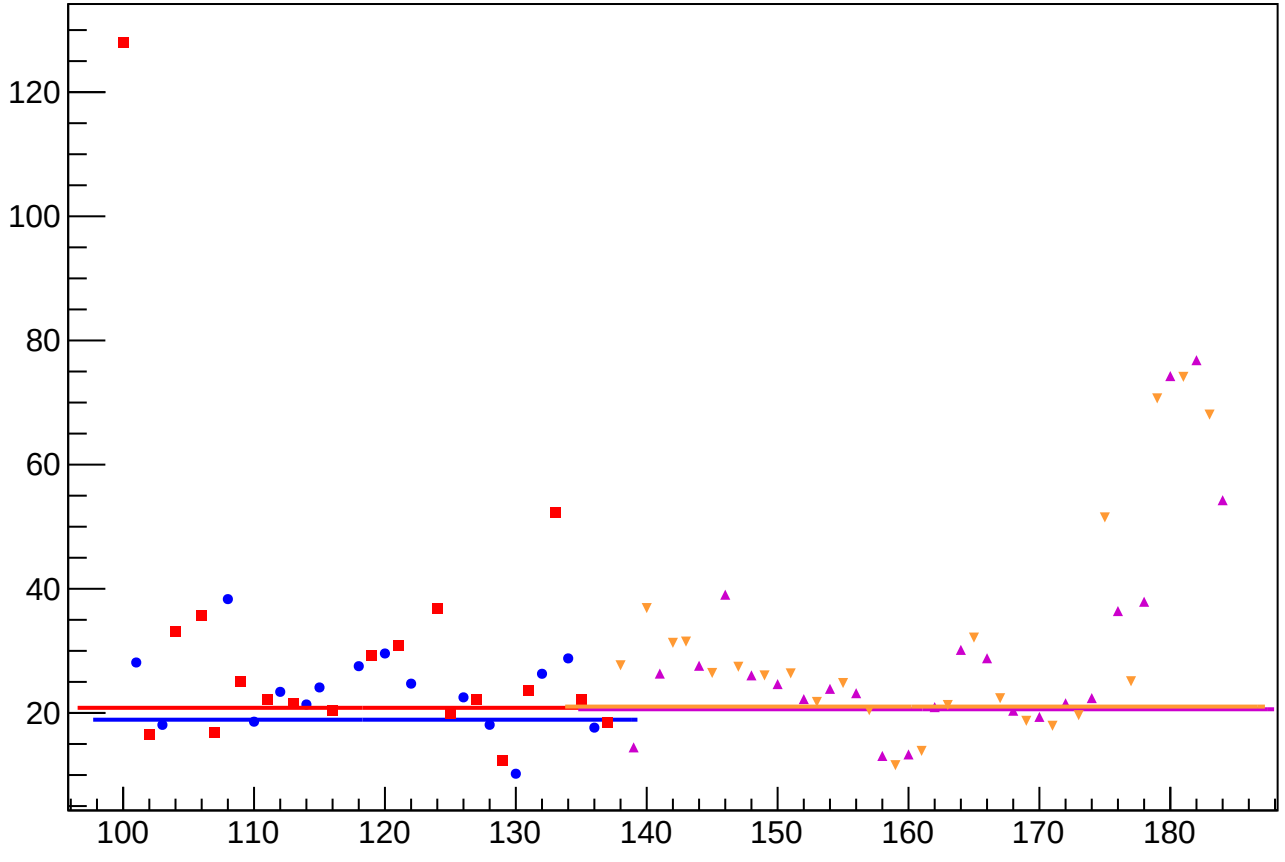
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:47.0/38

Out: -0.005+/-0.005 χ^2/NDF:49.2/42

All: -0.003+/-0.003 χ^2/NDF: 96.5/81

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: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.807+/-0.003 χ^2/NDF: 9938956.8/46

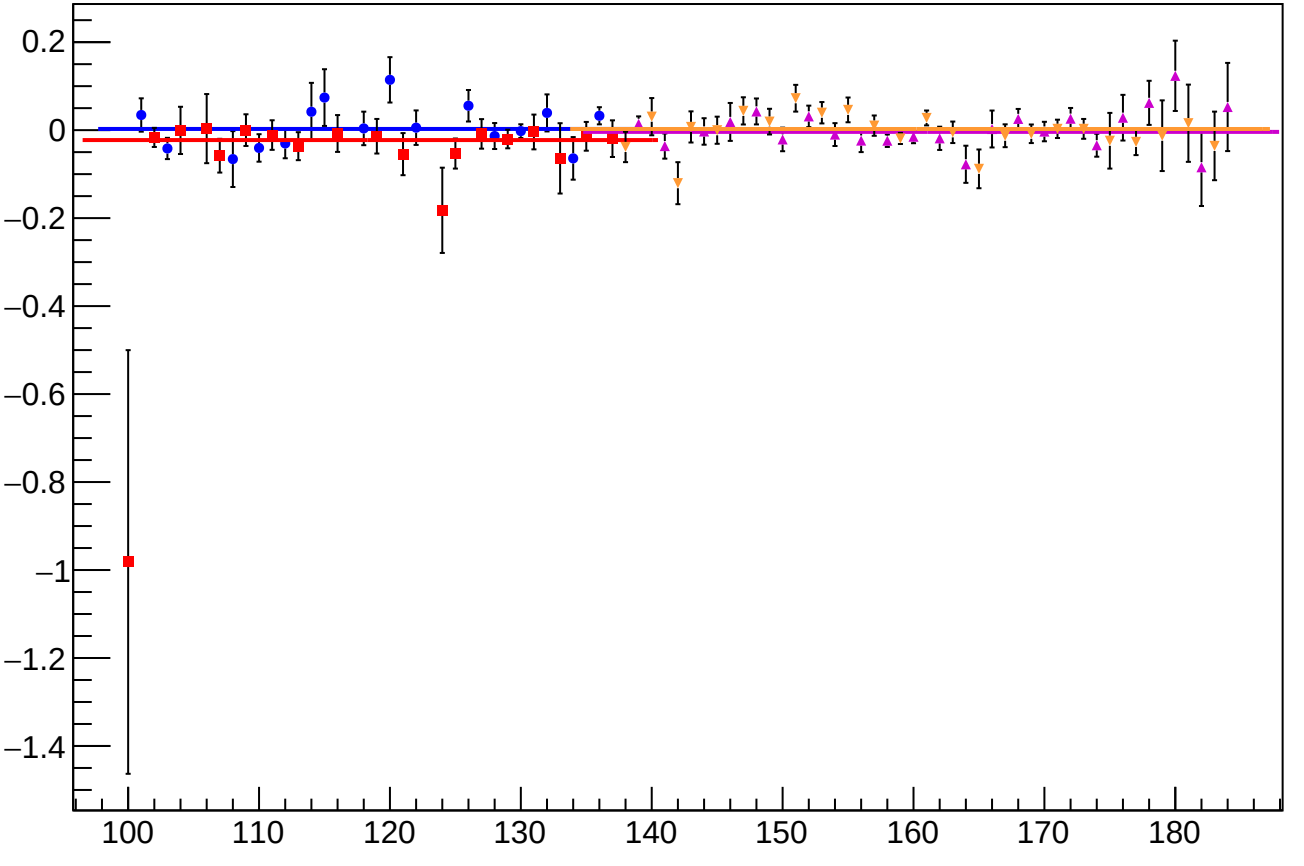
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 20.043+/-0.003 χ^2/NDF:6052139.0/38

Out: 20.966+/-0.003 χ^2/NDF:6625455.1/42

All: 20.492+/-0.002 χ^2/NDF: 12719258.7/81

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:32.2/23

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 57.5/46

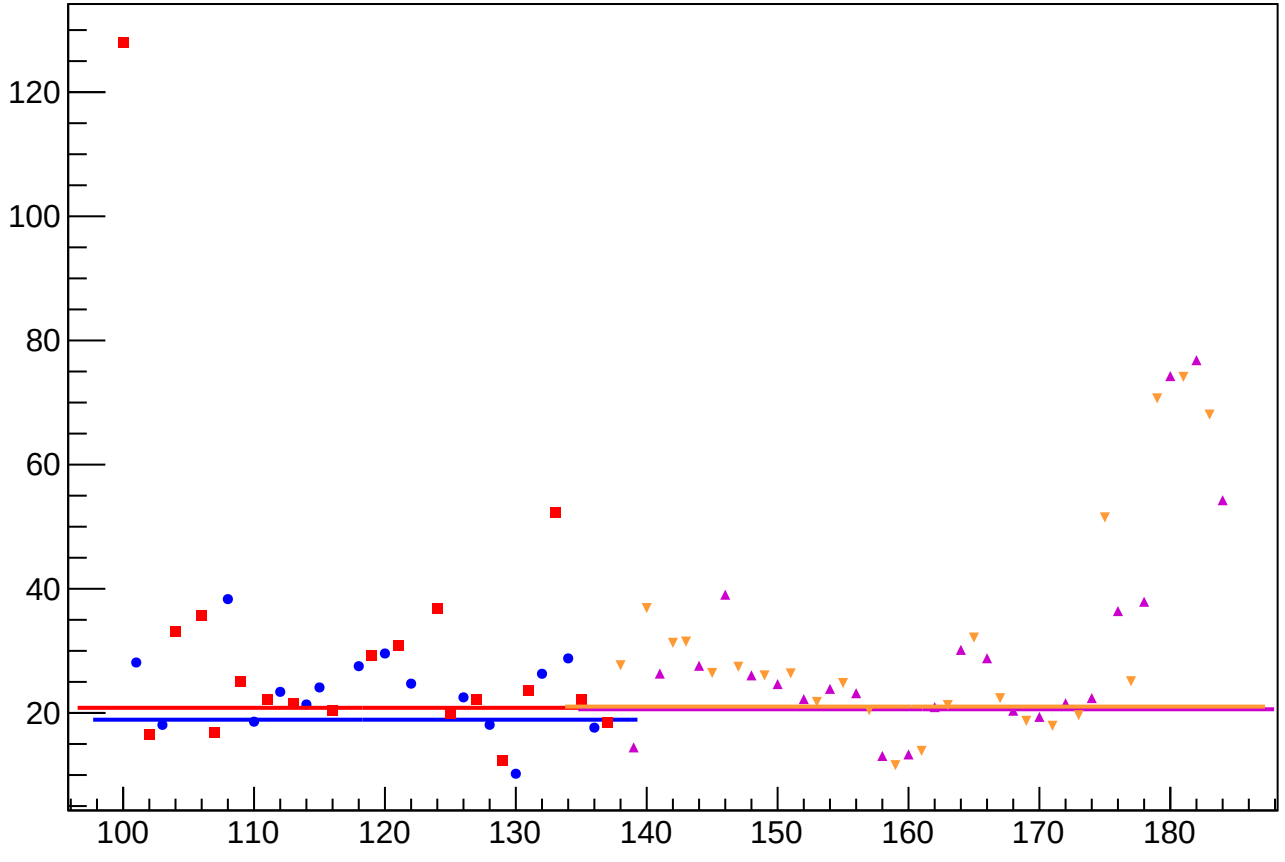
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:47.0/38

Out: -0.005+/-0.005 χ^2/NDF:49.2/42

All: -0.003+/-0.003 χ^2/NDF: 96.5/81

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: 20.592+/-0.004 χ^2/NDF:4599496.2/22

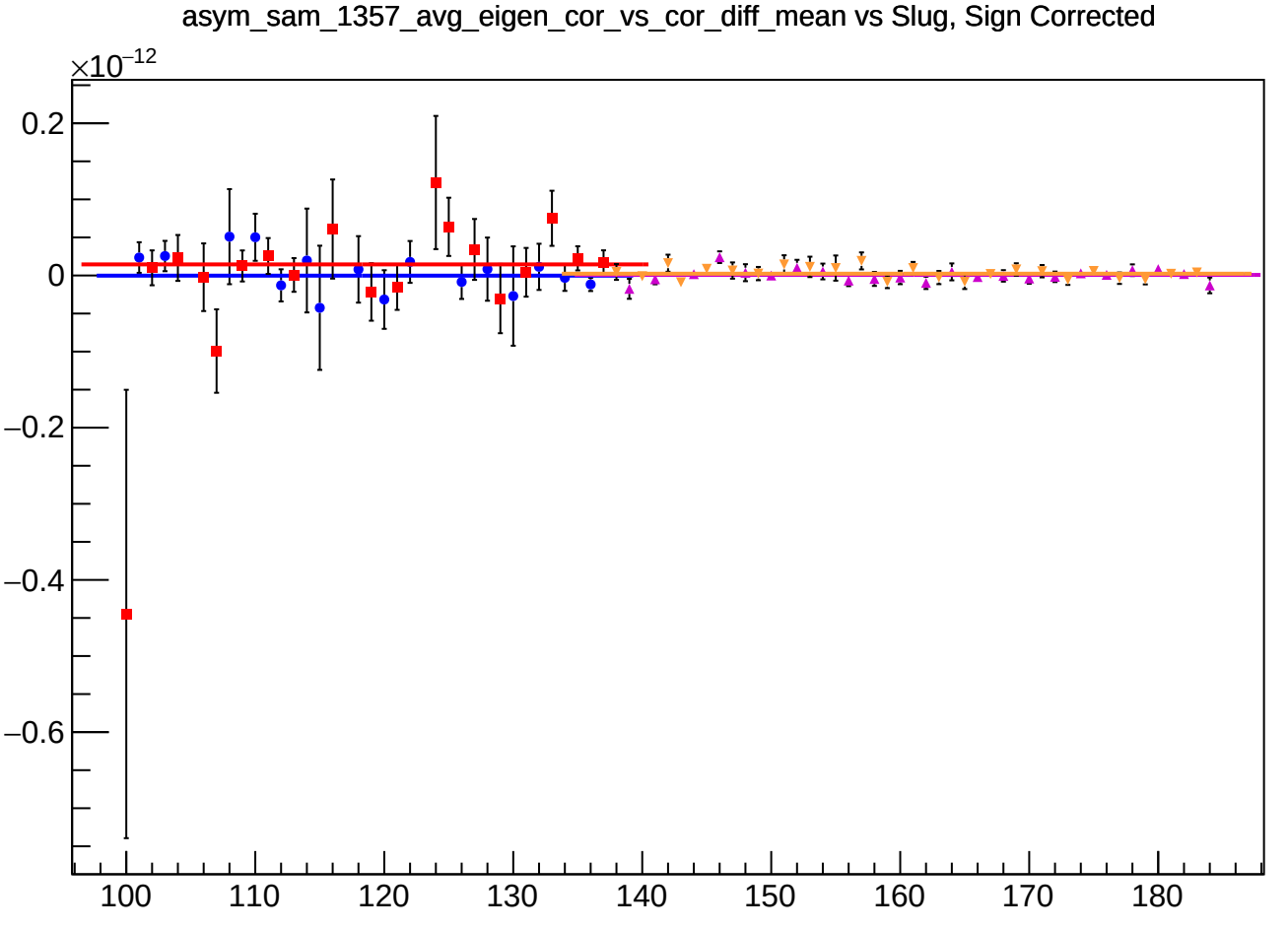
Left: 20.807+/-0.003 χ^2/NDF: 9938956.8/46

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 20.043+/-0.003 χ^2/NDF:6052139.0/38

Out: 20.966+/-0.003 χ^2/NDF:6625455.1/42

All: 20.492+/-0.002 χ^2/NDF: 12719258.7/81



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:21.4/22

Left: 0.000+/-0.000 χ^2/NDF: 41.1/46

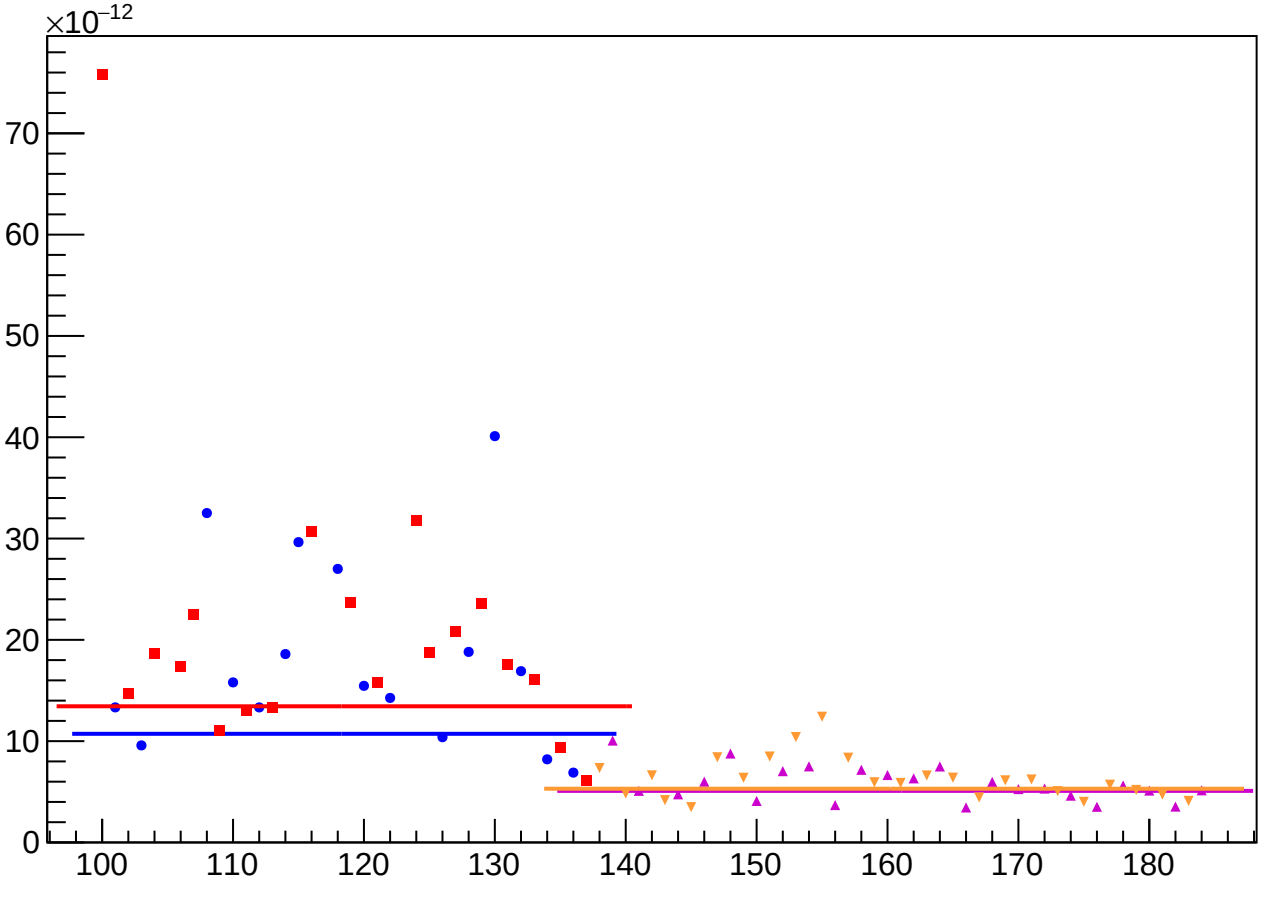
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:31.9/38

Out: 0.000+/-0.000 χ^2/NDF:40.1/42

All: 0.000+/-0.000 χ^2/NDF: 73.3/81

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2021080.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

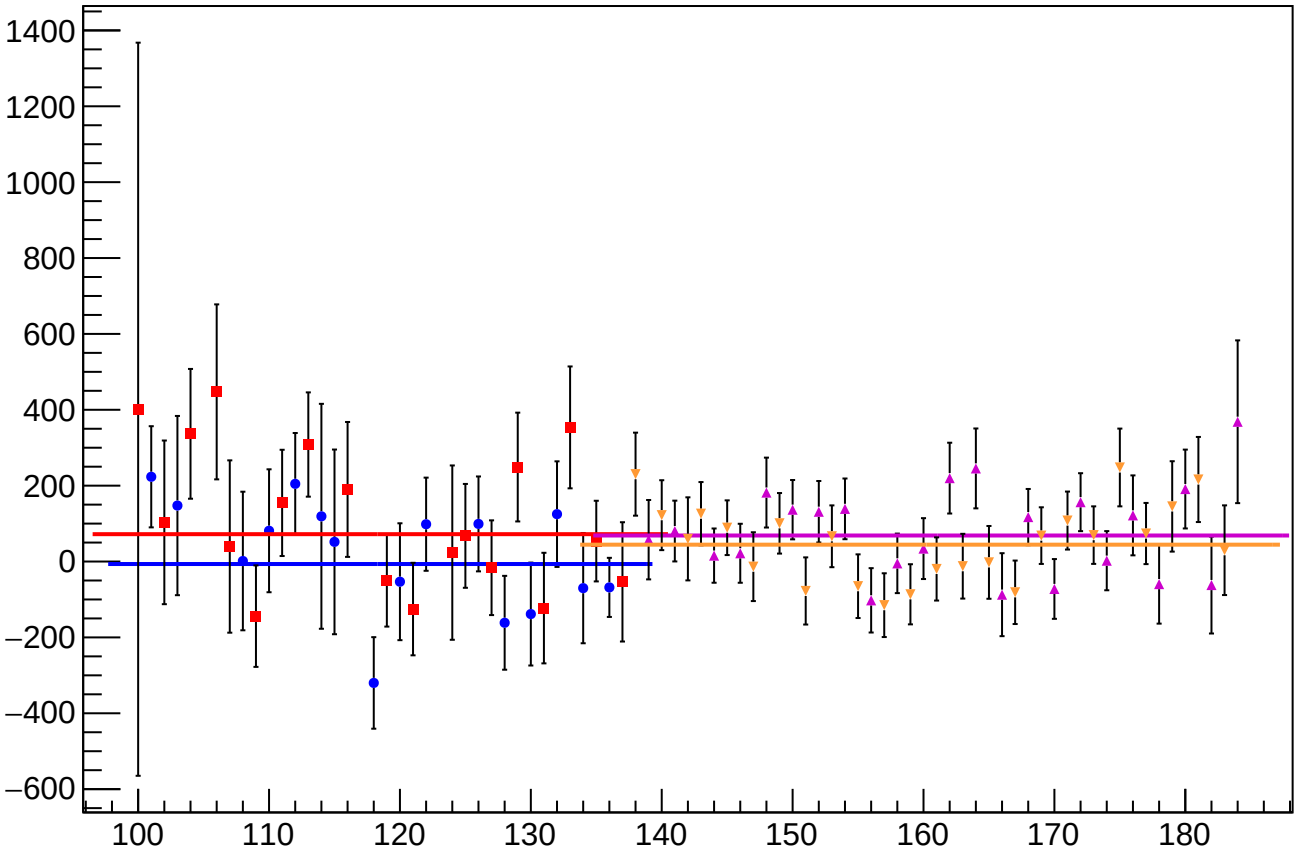
Left: 0.000+/-0.000 χ^2/NDF: 3741657.4/46

Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

In: 0.000+/-0.000 χ^2/NDF:5420607.3/38

Out: 0.000+/-0.000 χ^2/NDF:6362270.2/42

All: 0.000+/-0.000 χ^2/NDF: 11811311.4/81



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: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 56.202+/-12.773 χ^2/NDF: 57.3/46

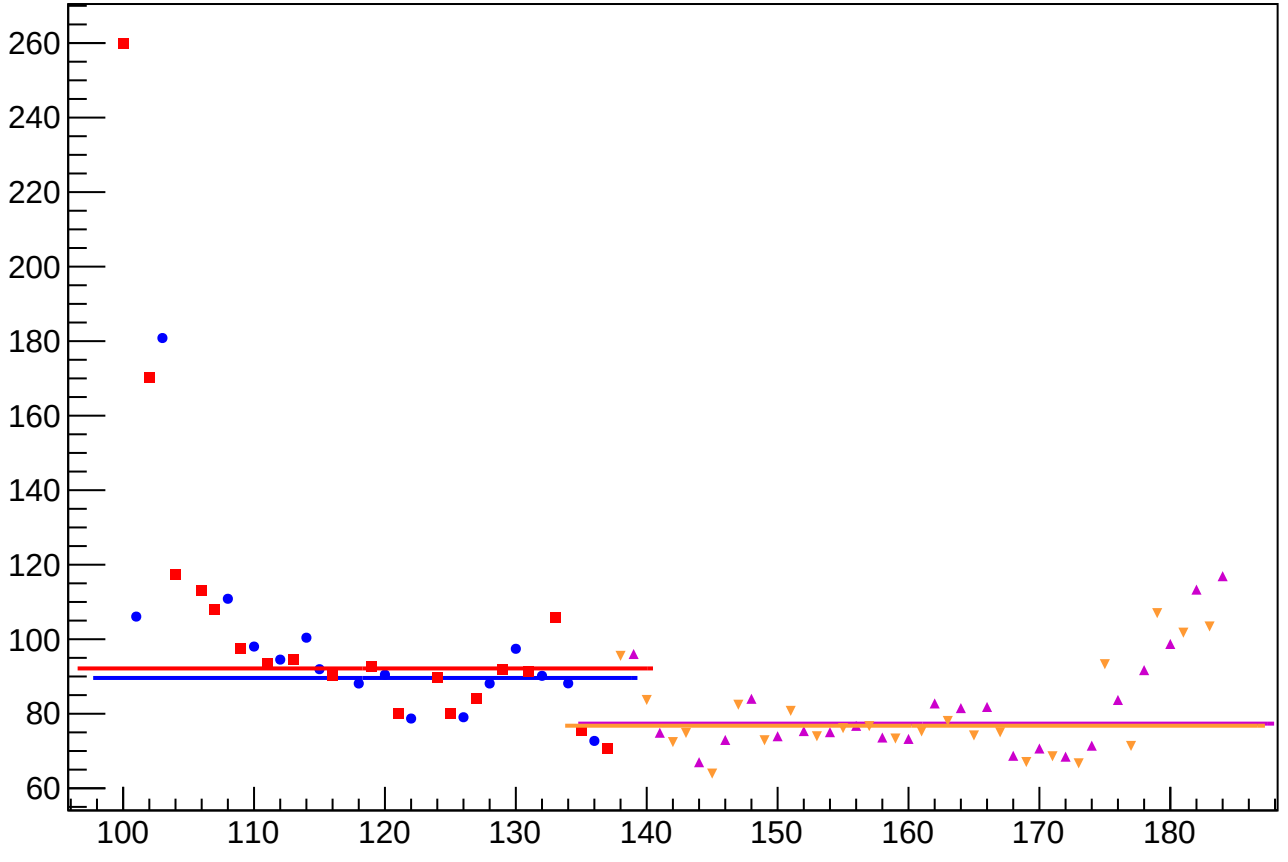
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 51.927+/-16.156 χ^2/NDF:51.7/38

Out: 50.176+/-15.870 χ^2/NDF:50.7/42

All: 51.036+/-11.321 χ^2/NDF: 102.4/81

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: 77.348+/-0.013 χ^2/NDF:590414.8/22

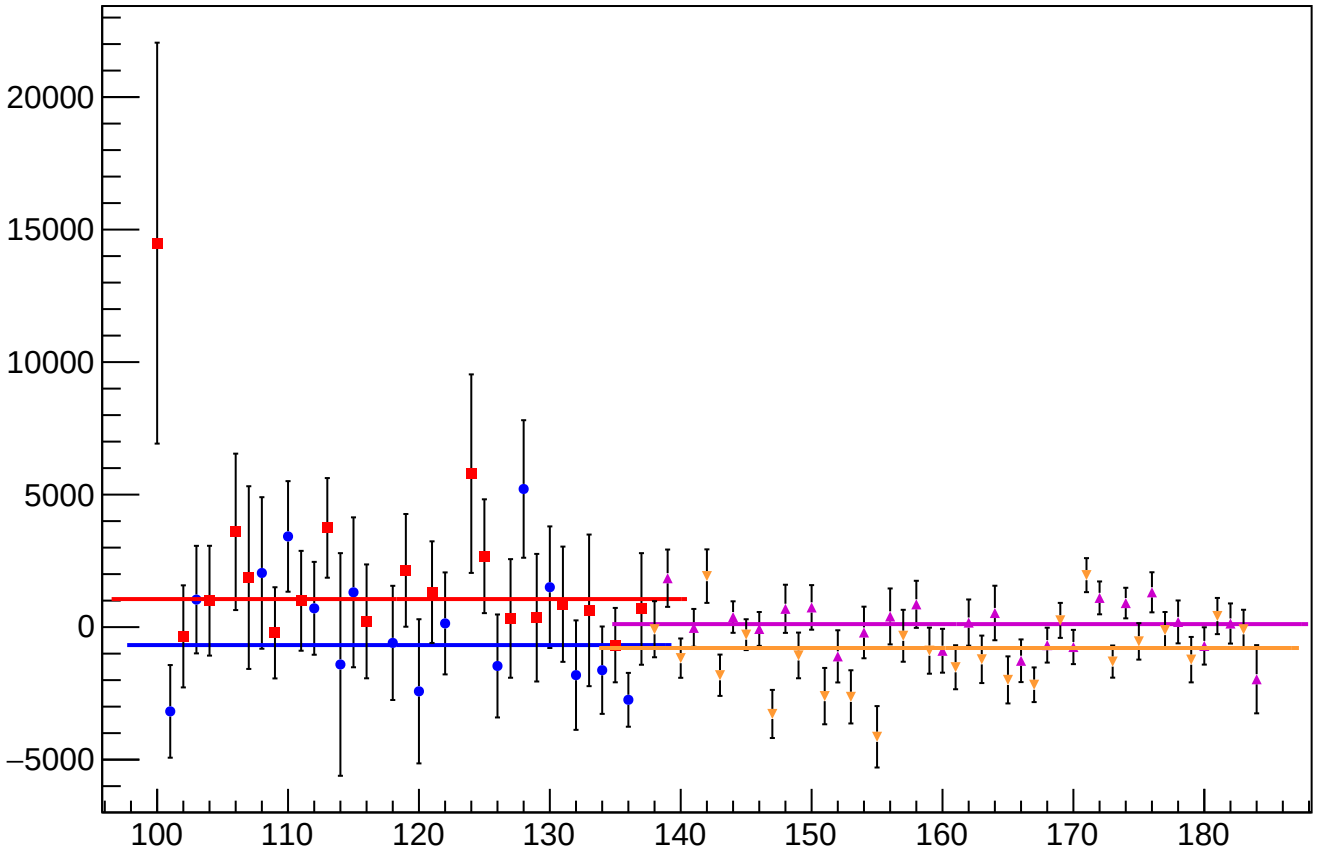
Left: 77.062+/-0.009 χ^2/NDF: 1238374.0/46

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 80.070+/-0.011 χ^2/NDF:1287588.0/38

Out: 79.972+/-0.011 χ^2/NDF:1497013.0/42

All: 80.020+/-0.008 χ^2/NDF: 2784638.0/81



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: 113.799+/-161.809 χ^2/NDF:25.1/22

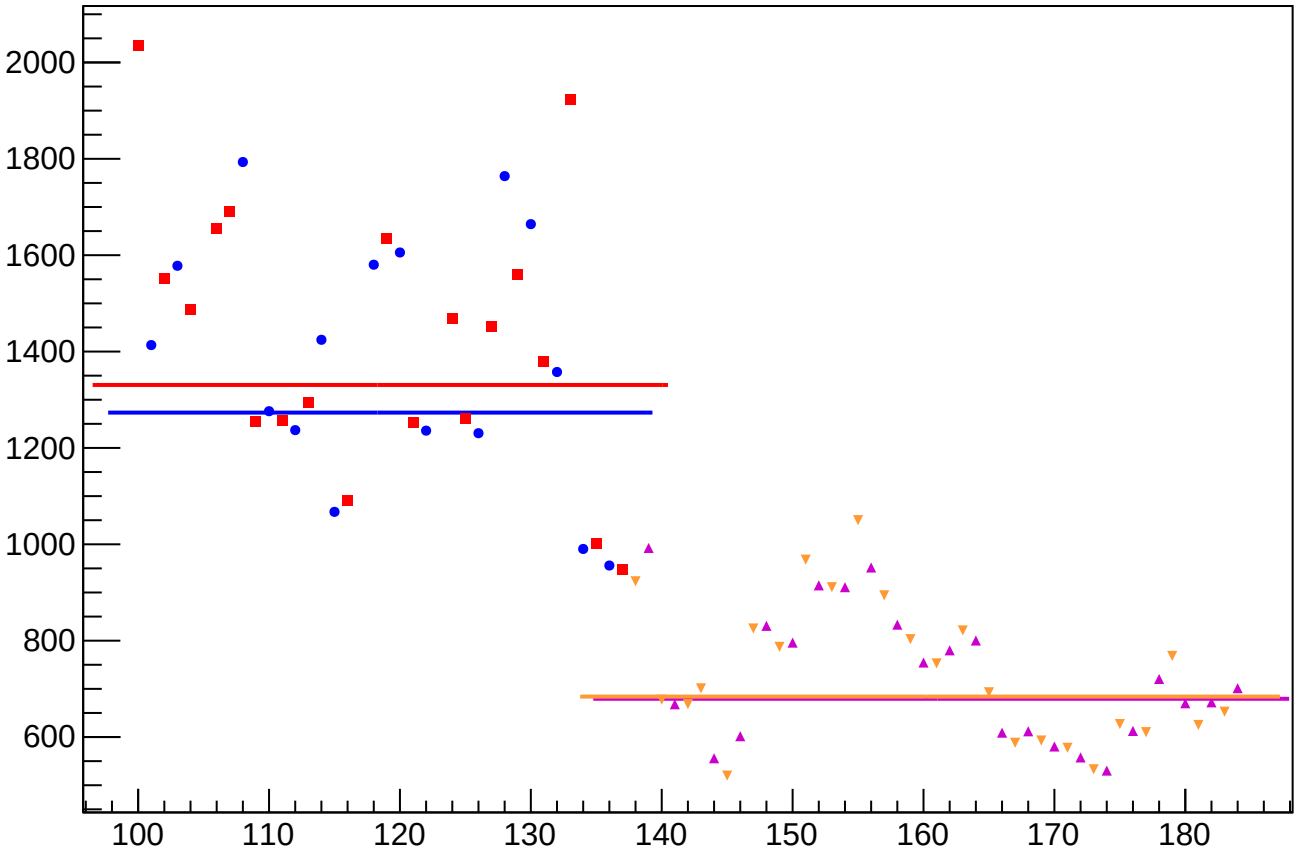
Left: -342.789+/-113.675 χ^2/NDF: 108.0/46

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 34.989+/-153.539 χ^2/NDF:47.7/38

Out: -614.447+/-152.052 χ^2/NDF:91.2/42

All: -292.888+/-108.039 χ^2/NDF: 147.9/81



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: 679.413+/-0.114 χ^2/NDF:1185267.0/22

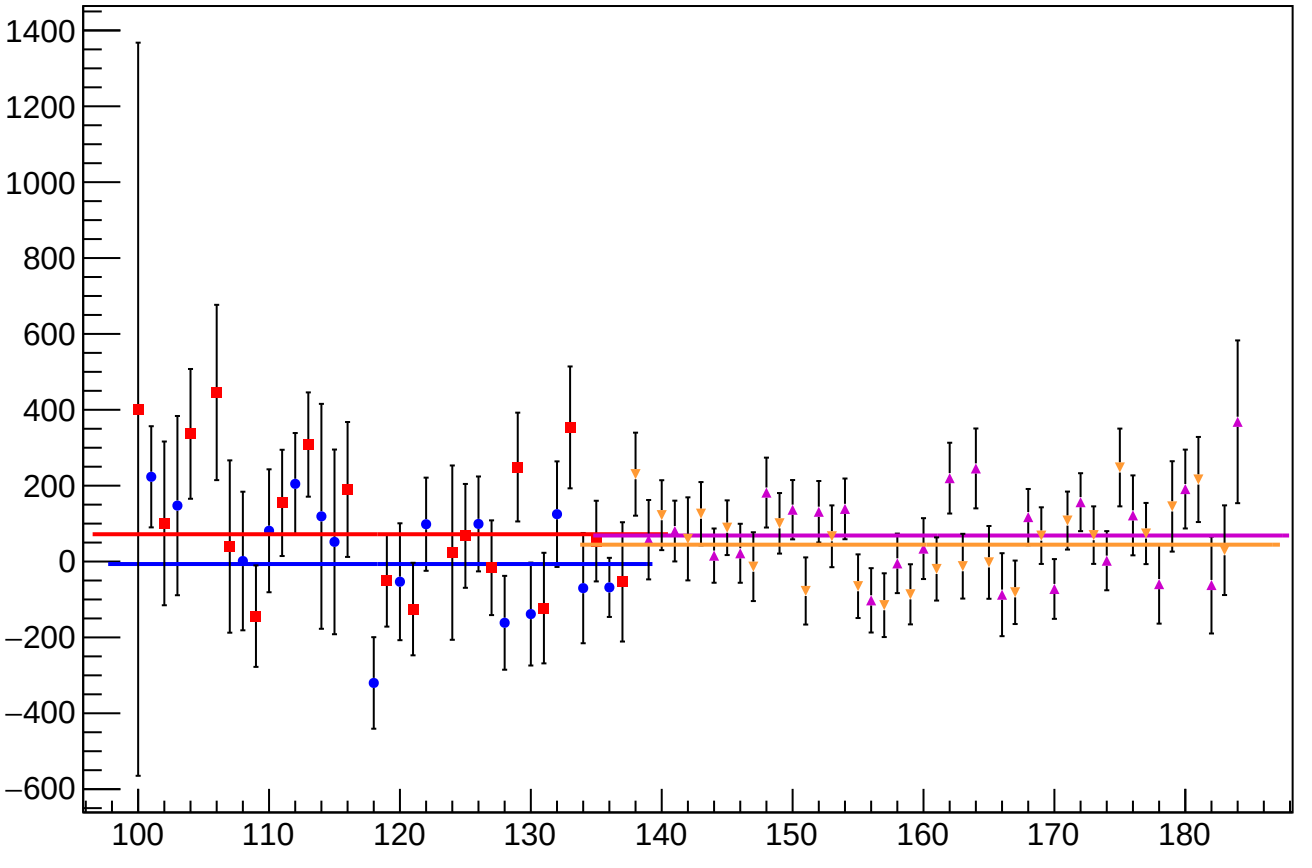
Left: 681.716+/-0.080 χ^2/NDF: 2495829.4/46

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 738.573+/-0.109 χ^2/NDF:4466728.6/38

Out: 744.651+/-0.108 χ^2/NDF:4857231.3/42

All: 741.642+/-0.076 χ^2/NDF: 9325542.0/81



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: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 56.205+/-12.773 χ^2/NDF: 57.3/46

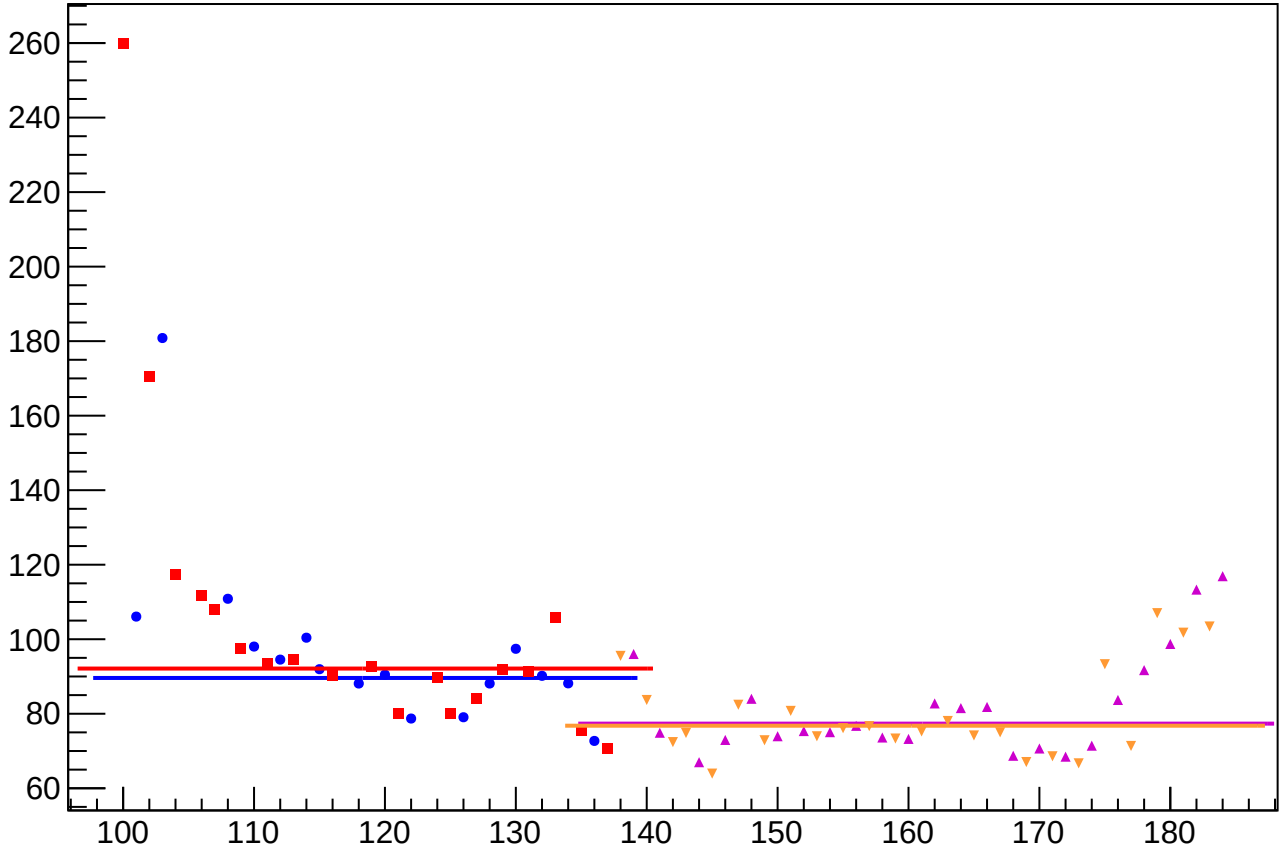
Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 51.925+/-16.156 χ^2/NDF:51.7/38

Out: 50.150+/-15.870 χ^2/NDF:50.7/42

All: 51.022+/-11.322 χ^2/NDF: 102.4/81

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: 77.348+/-0.013 χ^2/NDF:590414.8/22

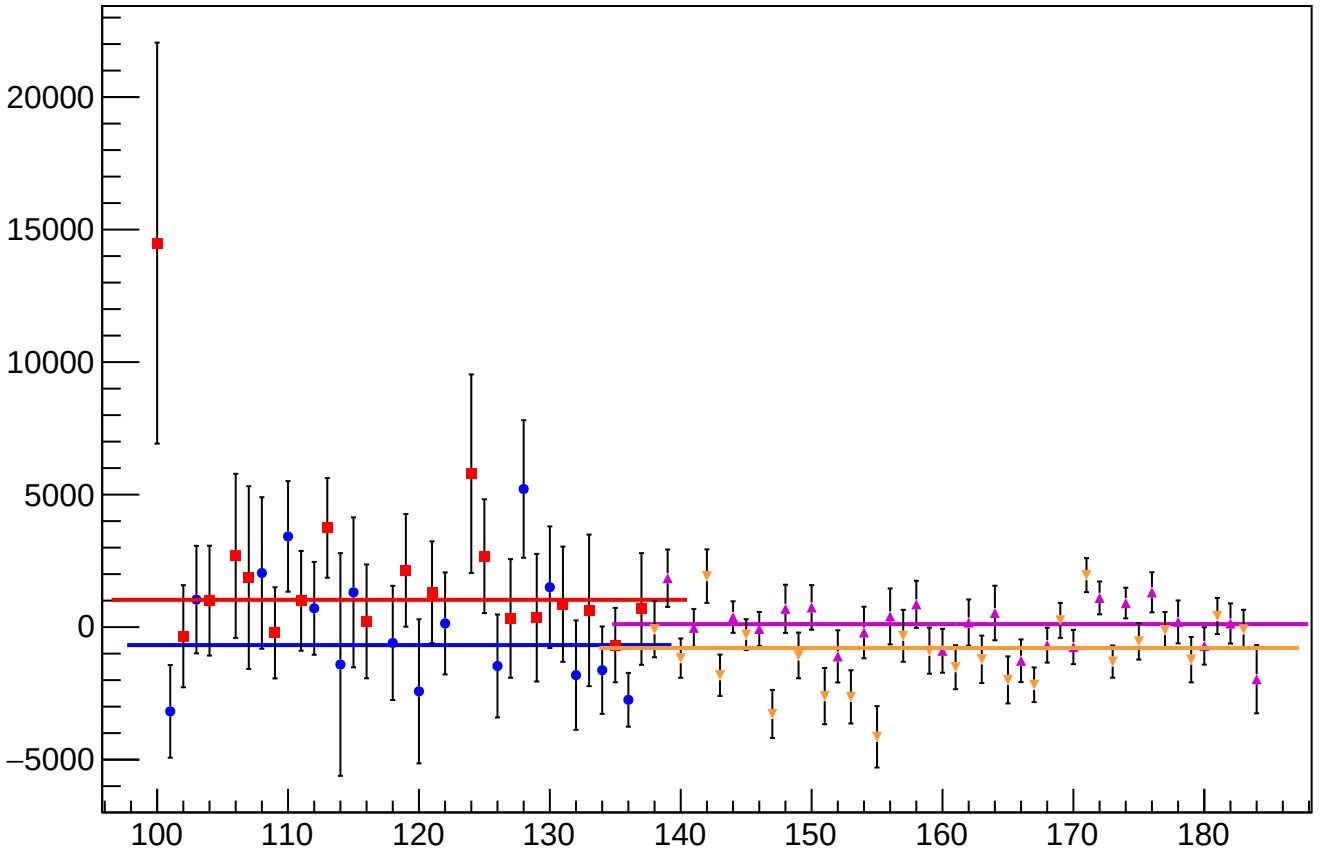
Left: 77.062+/-0.009 χ^2/NDF: 1238374.0/46

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.070+/-0.011 χ^2/NDF:1287591.6/38

Out: 79.965+/-0.011 χ^2/NDF:1493947.8/42

All: 80.016+/-0.008 χ^2/NDF: 2781581.8/81



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: 113.799+/-161.809 χ^2/NDF:25.1/22

Left: -342.787+/-113.675 χ^2/NDF: 108.0/46

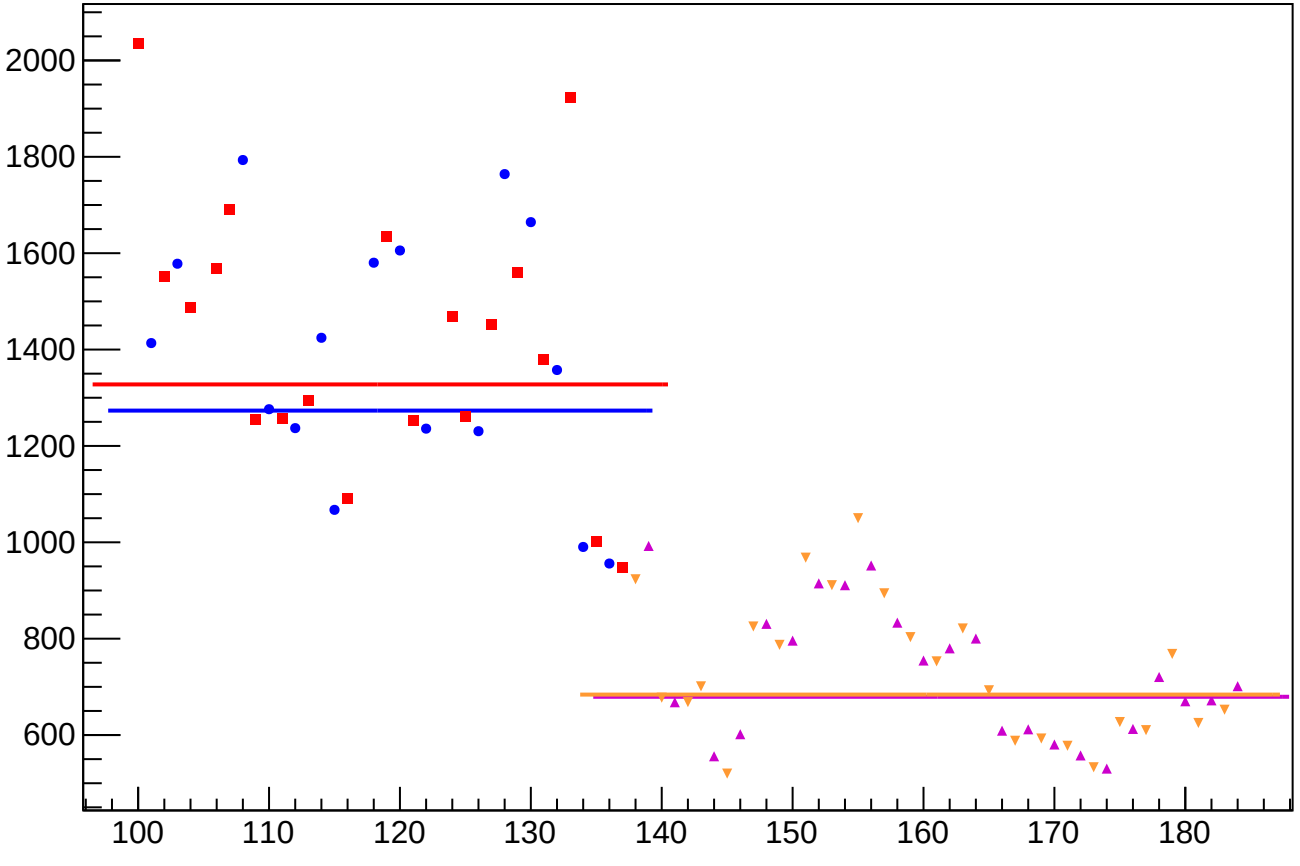
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 34.993+/-153.539 χ^2/NDF:47.7/38

Out: -617.612+/-152.071 χ^2/NDF:90.3/42

All: -294.443+/-108.046 χ^2/NDF: 147.1/81

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: 679.414+/-0.114 χ^2/NDF:1185265.0/22

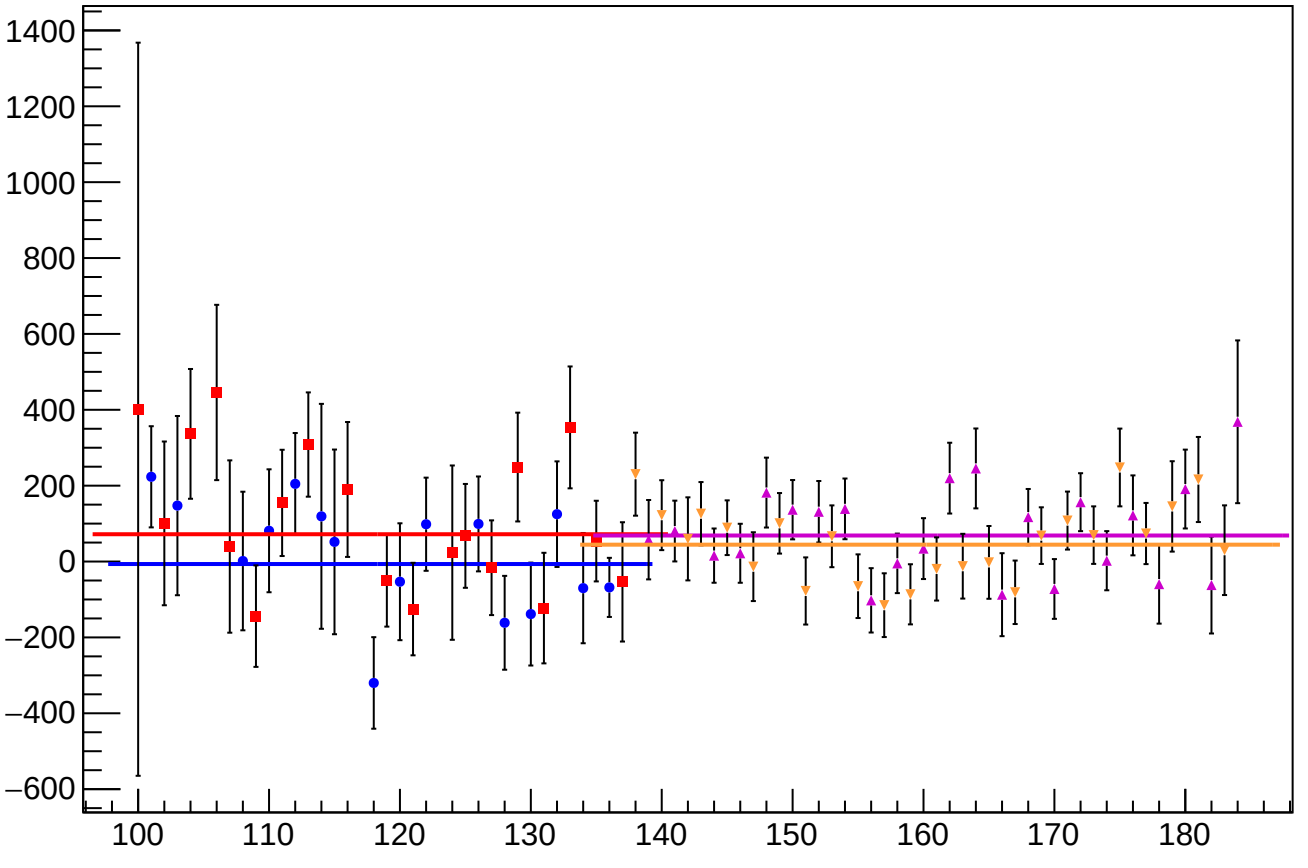
Left: 681.716+/-0.080 χ^2/NDF: 2495830.1/46

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 738.573+/-0.109 χ^2/NDF:4466763.2/38

Out: 744.220+/-0.108 χ^2/NDF:4808906.6/42

All: 741.424+/-0.076 χ^2/NDF: 9277035.3/81



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: 68.620+/-18.317 χ^2/NDF:29.0/22

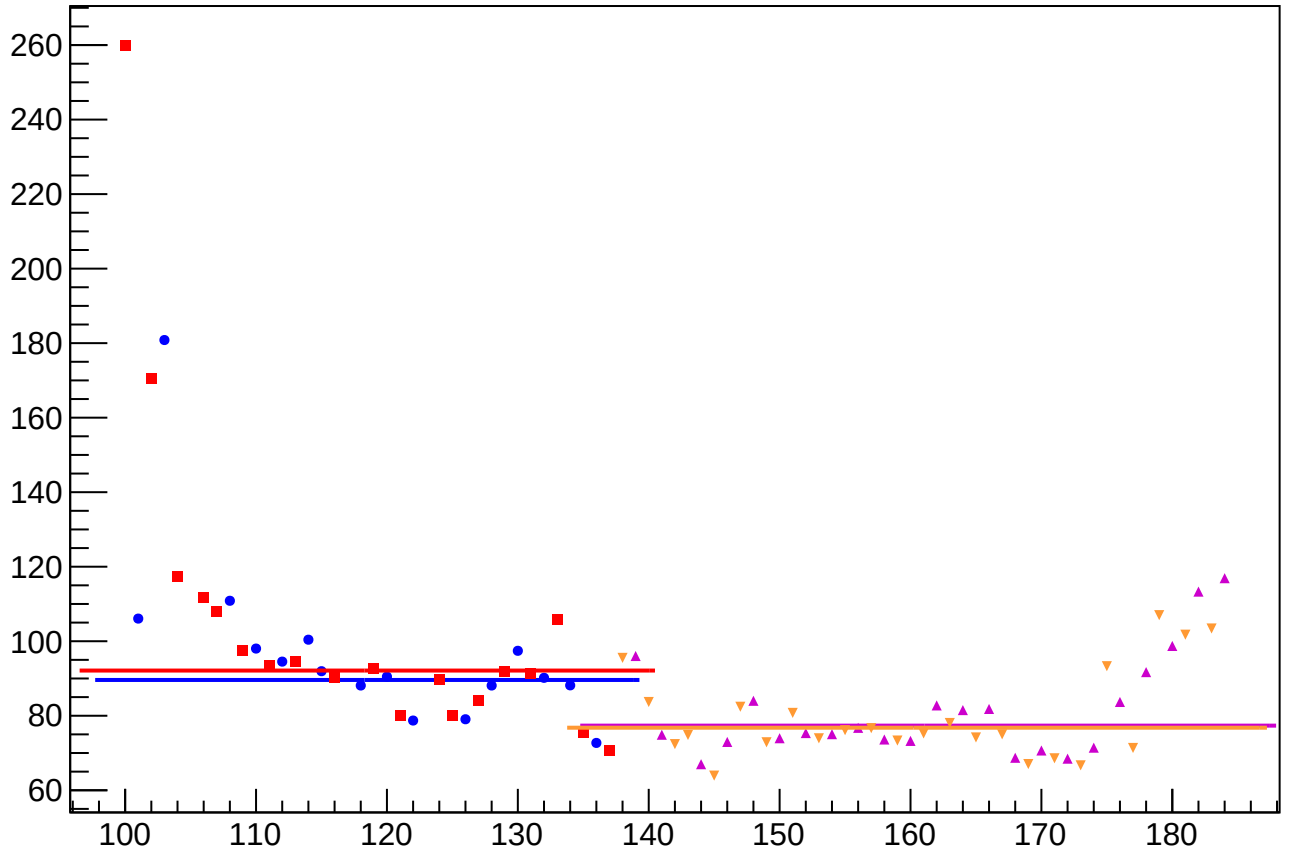
Left: 56.205+/-12.773 χ^2/NDF: 57.3/46

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 51.925+/-16.156 χ^2/NDF:51.7/38

Out: 50.150+/-15.870 χ^2/NDF:50.7/42

All: 51.022+/-11.322 χ^2/NDF: 102.4/81



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: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 77.062+/-0.009 χ^2/NDF: 1238374.0/46

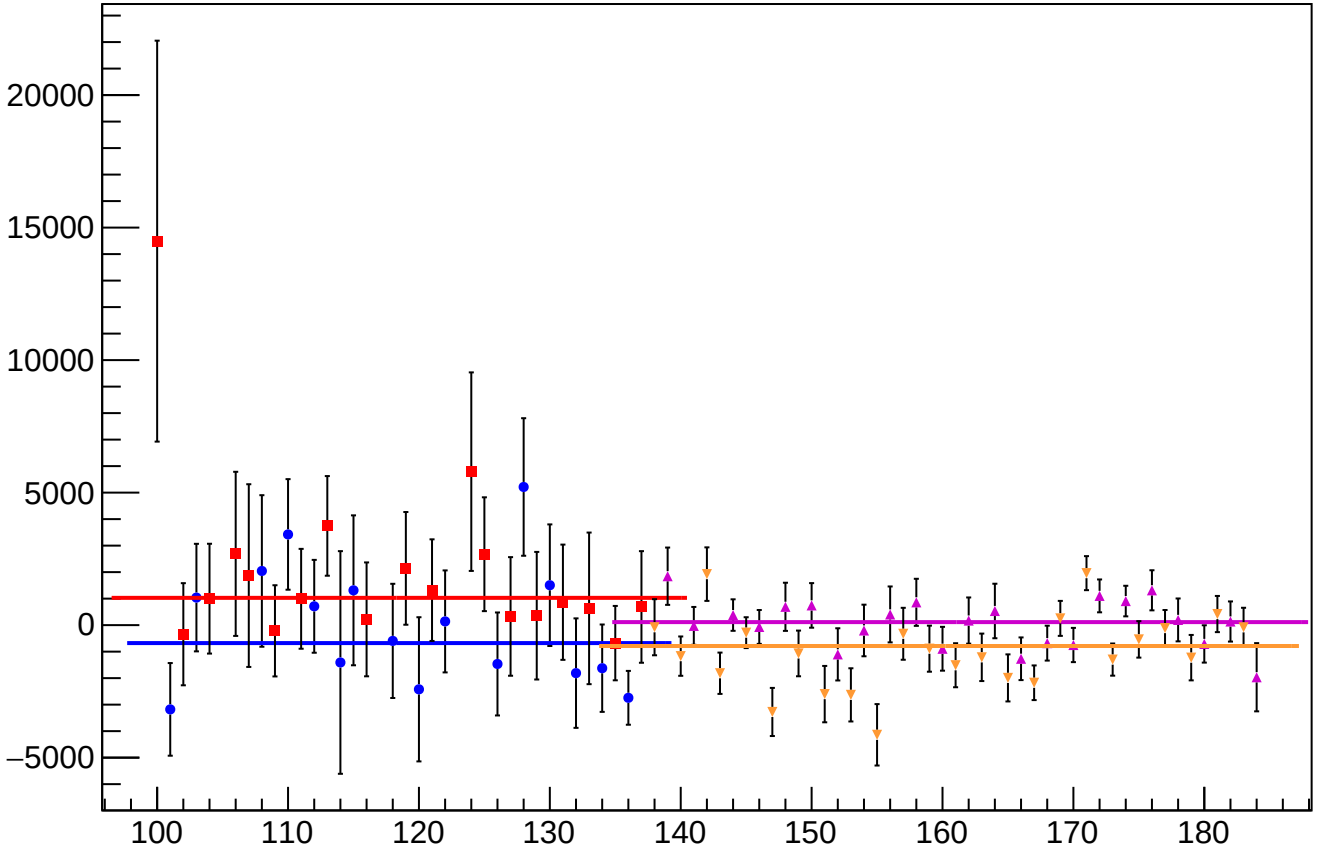
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.070+/-0.011 χ^2/NDF:1287591.6/38

Out: 79.965+/-0.011 χ^2/NDF:1493947.8/42

All: 80.016+/-0.008 χ^2/NDF: 2781581.8/81

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: 113.799+/-161.809 χ^2/NDF:25.1/22

Left: -342.787+/-113.675 χ^2/NDF: 108.0/46

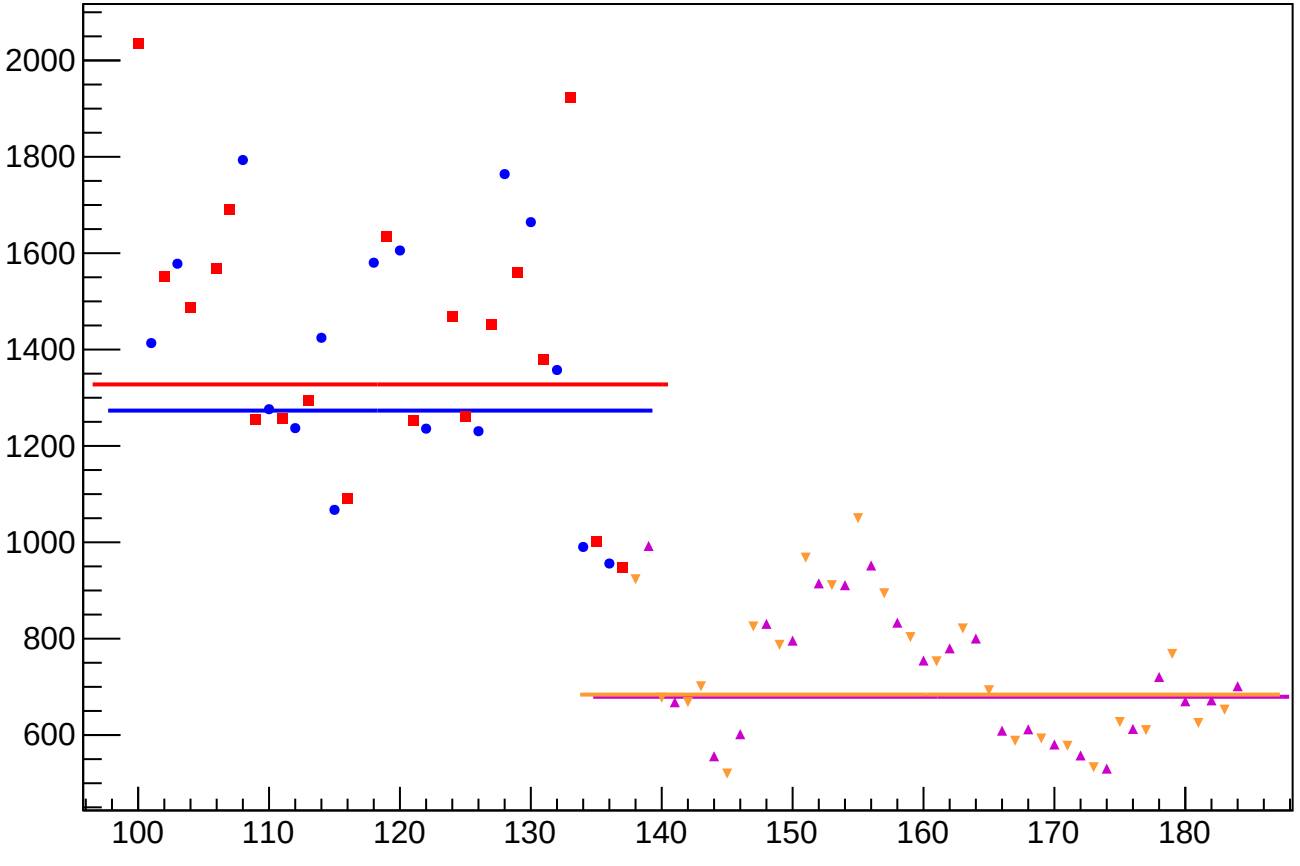
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 34.993+/-153.539 χ^2/NDF:47.7/38

Out: -617.612+/-152.071 χ^2/NDF:90.3/42

All: -294.443+/-108.046 χ^2/NDF: 147.1/81

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: 679.414+/-0.114 χ^2/NDF:1185265.0/22

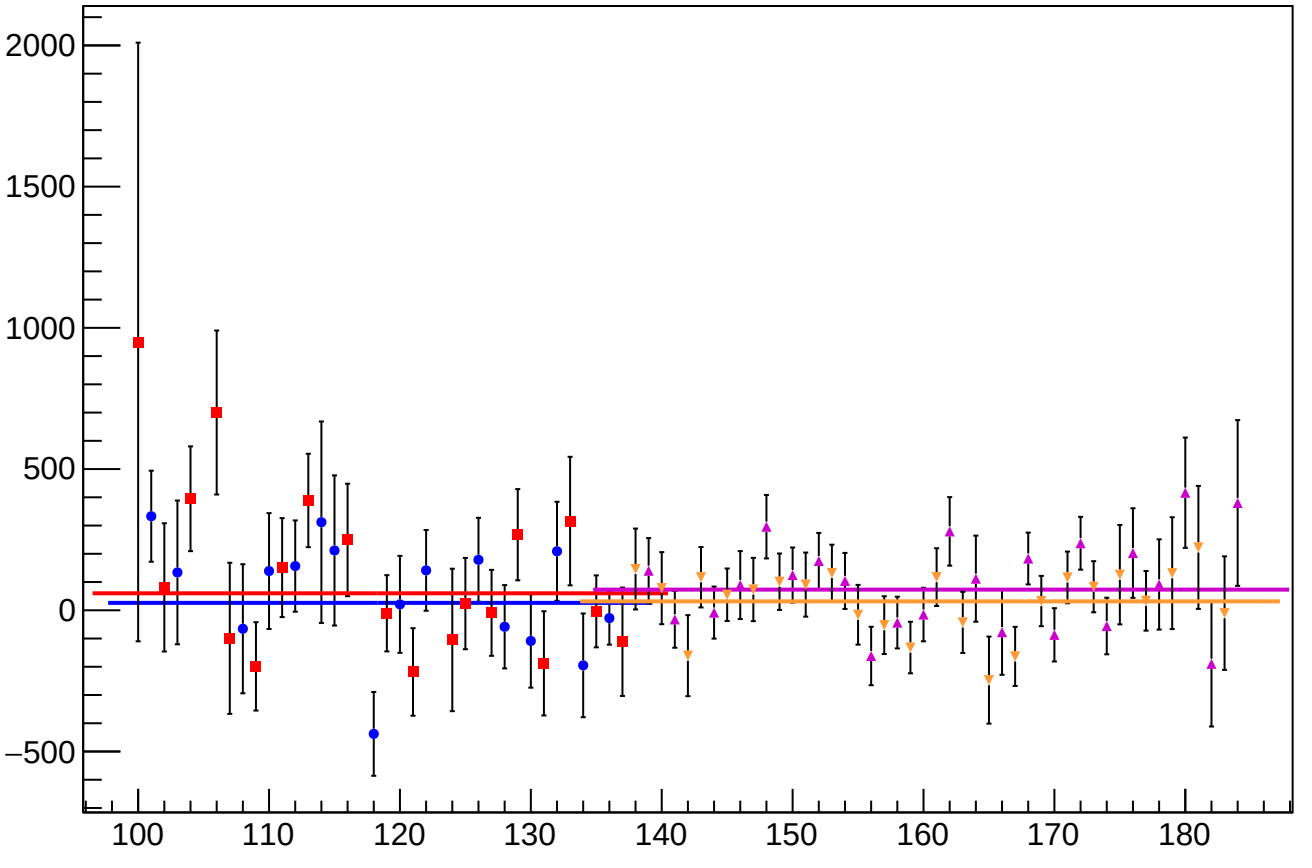
Left: 681.716+/-0.080 χ^2/NDF: 2495830.1/46

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 738.573+/-0.109 χ^2/NDF:4466763.2/38

Out: 744.220+/-0.108 χ^2/NDF:4808906.6/42

All: 741.424+/-0.076 χ^2/NDF: 9277035.3/81



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: 73.147+/-23.510 χ^2/NDF:34.5/22

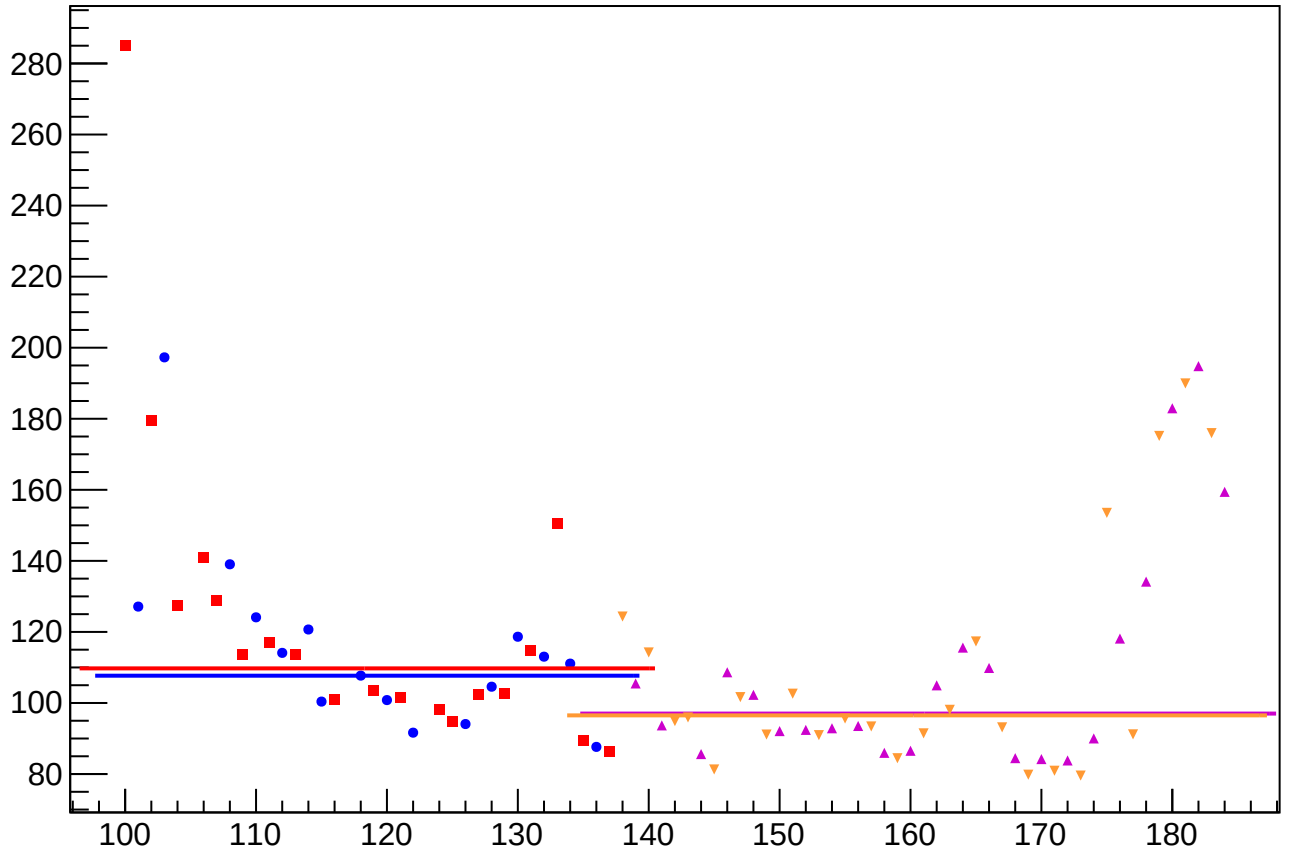
Left: 51.858+/-16.420 χ^2/NDF: 55.8/46

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 61.636+/-20.422 χ^2/NDF:56.8/38

Out: 38.257+/-20.082 χ^2/NDF:47.1/42

All: 49.750+/-14.319 χ^2/NDF: 104.6/81



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: 97.017+/-0.017 χ^2/NDF:1321187.5/22

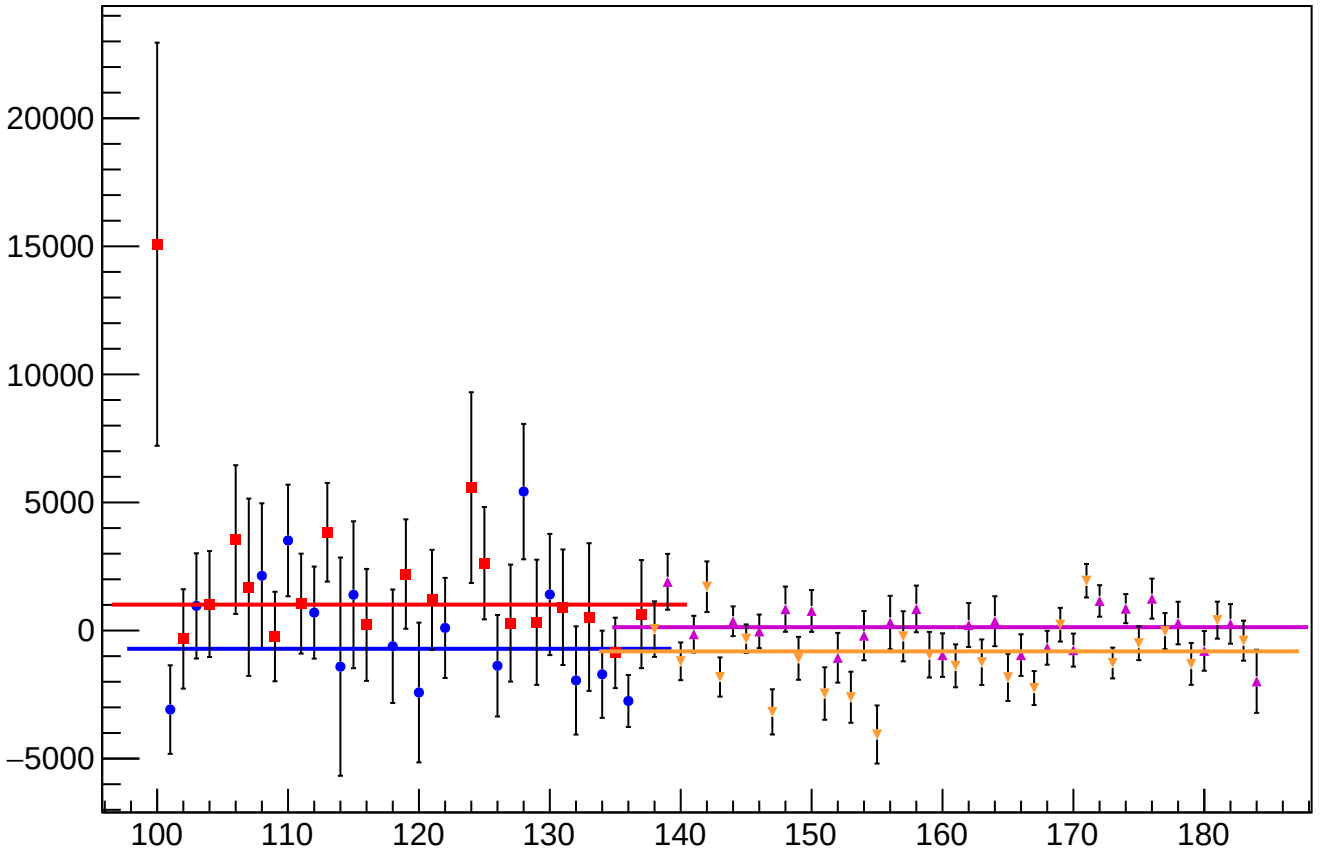
Left: 96.758+/-0.012 χ^2/NDF: 3002067.0/46

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 99.634+/-0.014 χ^2/NDF:1905302.3/38

Out: 99.605+/-0.014 χ^2/NDF:2327646.9/42

All: 99.619+/-0.010 χ^2/NDF: 4232951.2/81



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: 131.380+/-162.409 χ^2/NDF:24.3/22

Left: -349.421+/-113.791 χ^2/NDF: 105.5/46

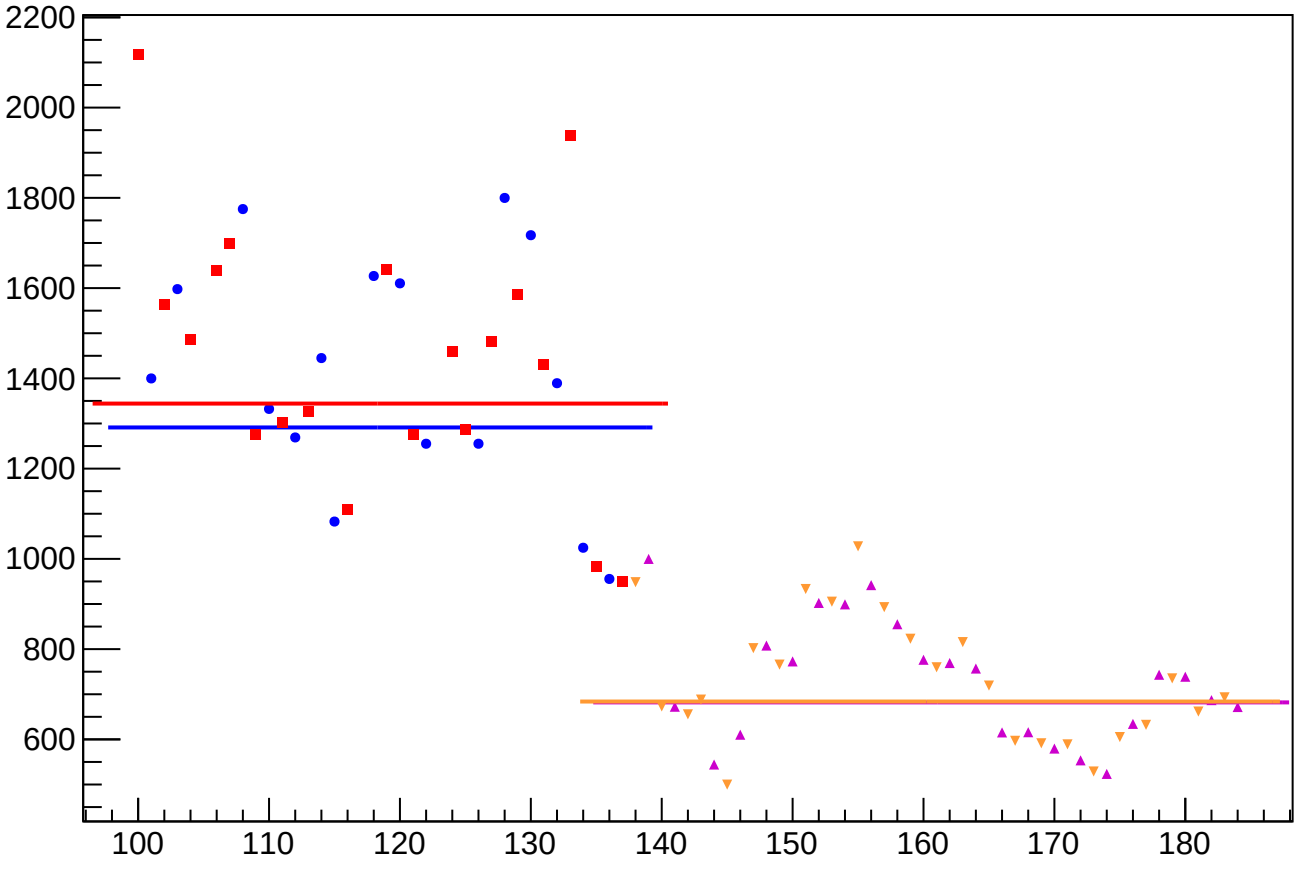
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 48.803+/-154.262 χ^2/NDF:47.0/38

Out: -645.480+/-151.977 χ^2/NDF:87.8/42

All: -303.519+/-108.263 χ^2/NDF: 145.1/81

asym_sam_2468_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 683.875+/-0.113 χ^2/NDF:1297798.1/23

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

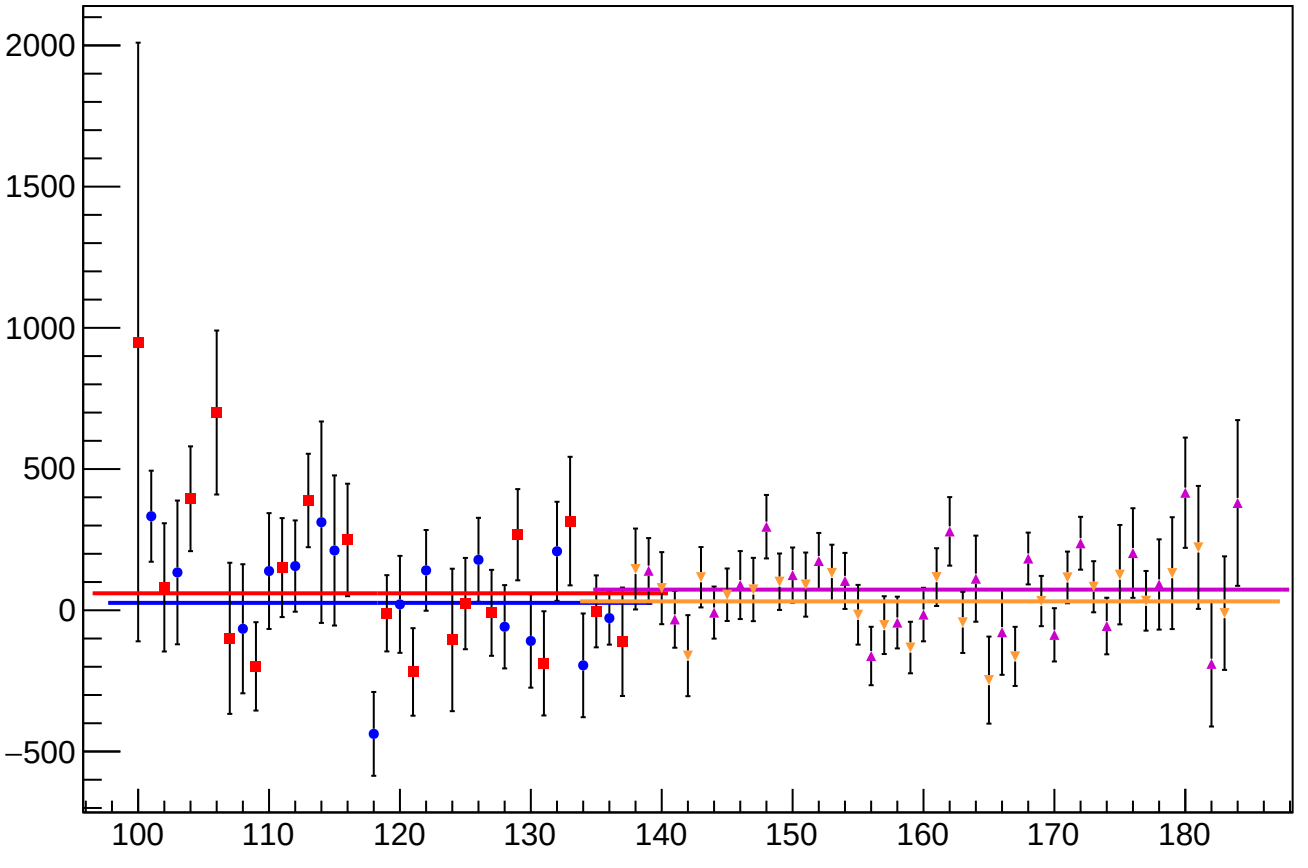
Left: 682.936+/-0.080 χ^2/NDF: 2484074.4/46

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 741.553+/-0.109 χ^2/NDF:4549970.8/38

Out: 744.540+/-0.107 χ^2/NDF:4938368.7/42

All: 743.069+/-0.077 χ^2/NDF: 9488719.9/81



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: 73.146+/-23.510 χ^2/NDF:34.5/22

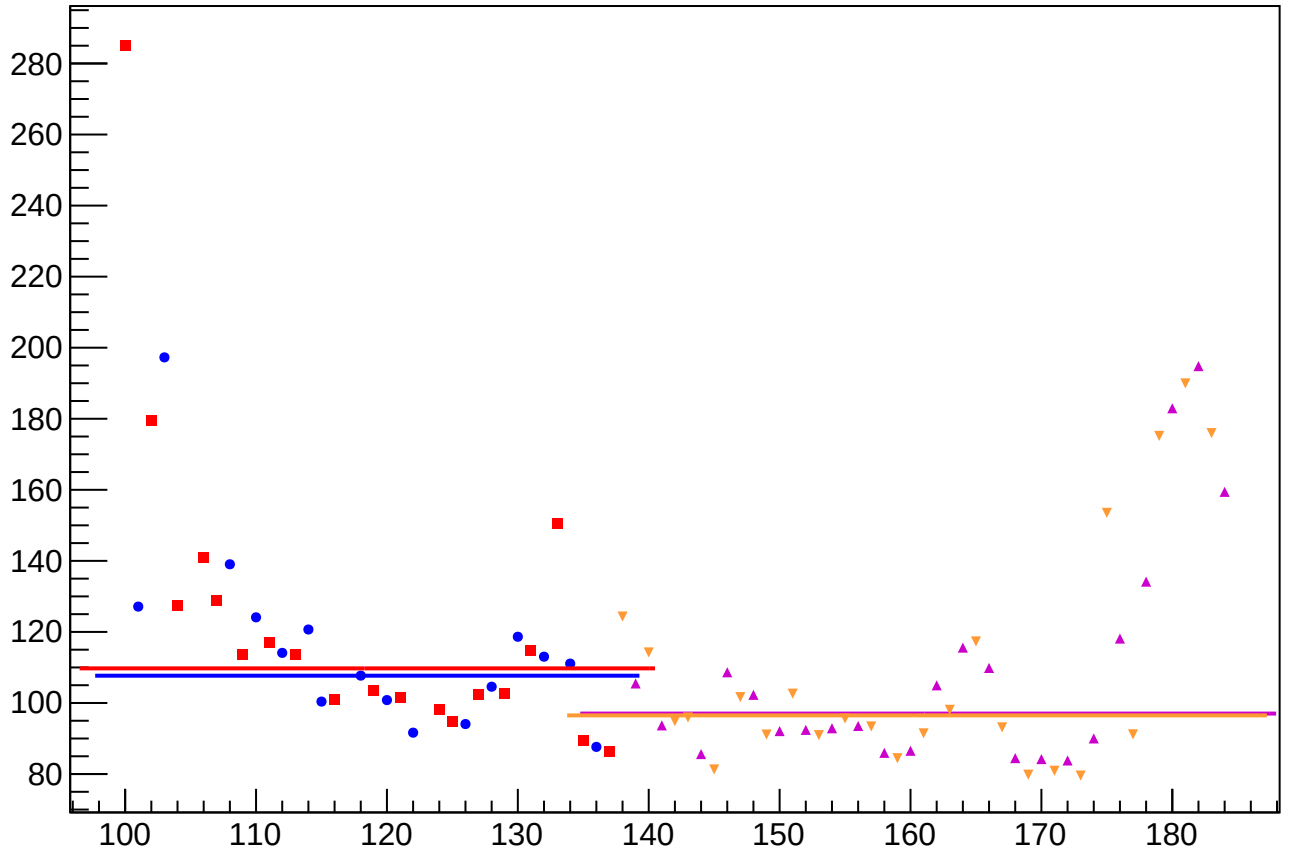
Left: 51.857+/-16.420 χ^2/NDF: 55.8/46

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 61.635+/-20.422 χ^2/NDF:56.8/38

Out: 38.257+/-20.082 χ^2/NDF:47.1/42

All: 49.750+/-14.319 χ^2/NDF: 104.6/81



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: 97.017+/-0.017 χ^2/NDF:1321171.2/22

Left: 96.759+/-0.012 χ^2/NDF: 3002051.8/46

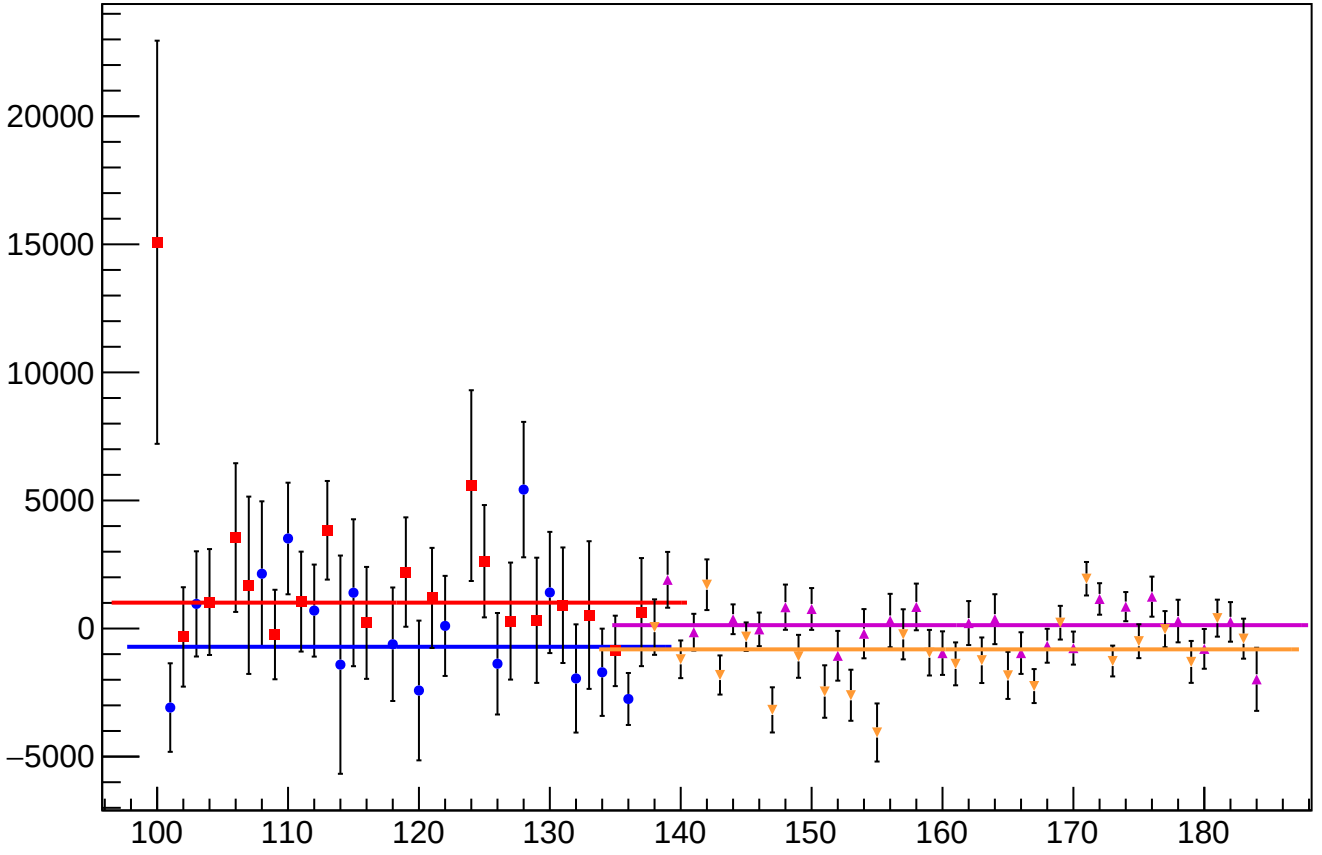
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 99.634+/-0.014 χ^2/NDF:1905253.7/38

Out: 99.605+/-0.014 χ^2/NDF:2327624.6/42

All: 99.620+/-0.010 χ^2/NDF: 4232880.3/81

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: 131.379+/-162.409 χ^2/NDF:24.3/22

Left: -349.420+/-113.791 χ^2/NDF: 105.5/46

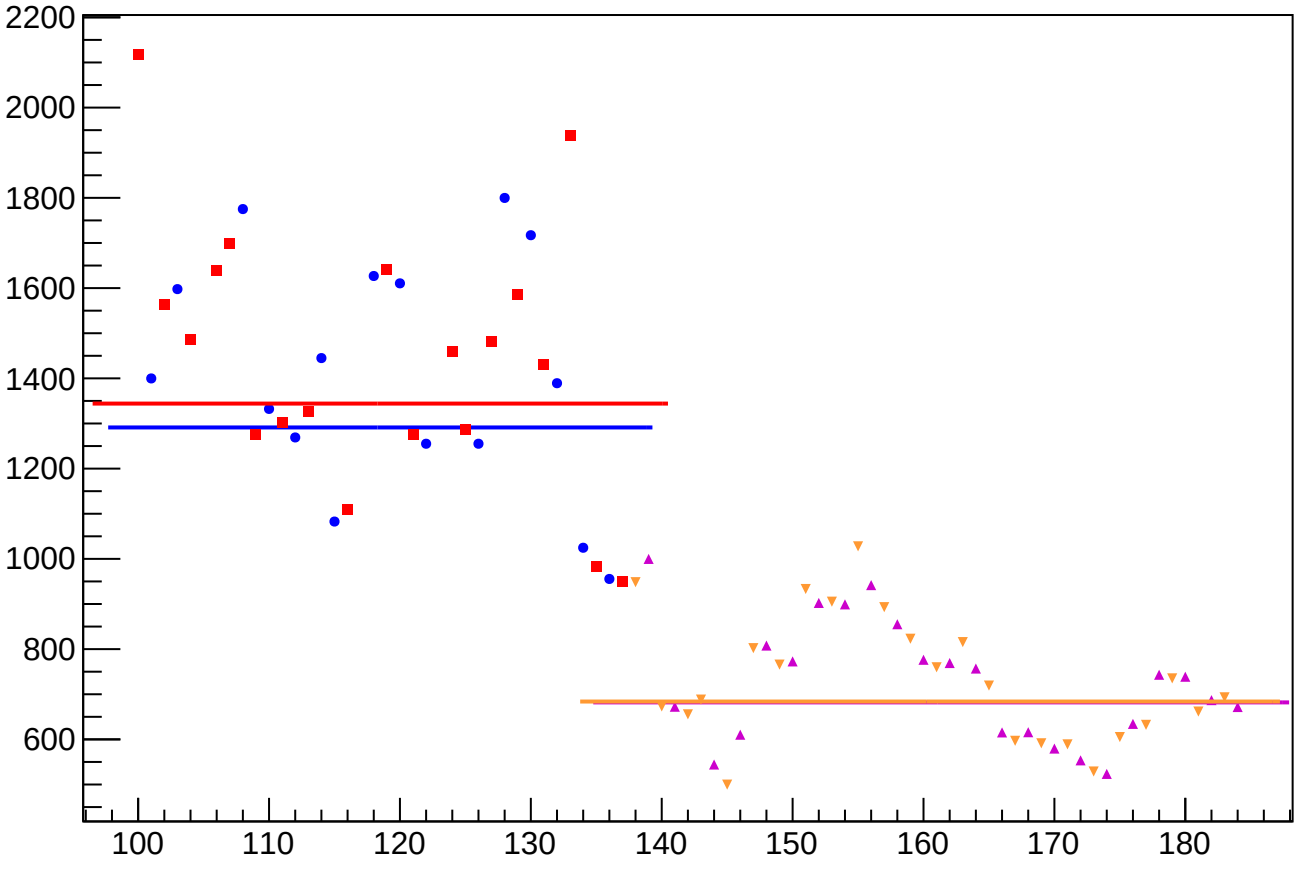
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 48.802+/-154.262 χ^2/NDF:47.0/38

Out: -645.478+/-151.977 χ^2/NDF:87.8/42

All: -303.519+/-108.263 χ^2/NDF: 145.1/81

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: 681.960+/-0.115 χ^2/NDF:1186136.6/22

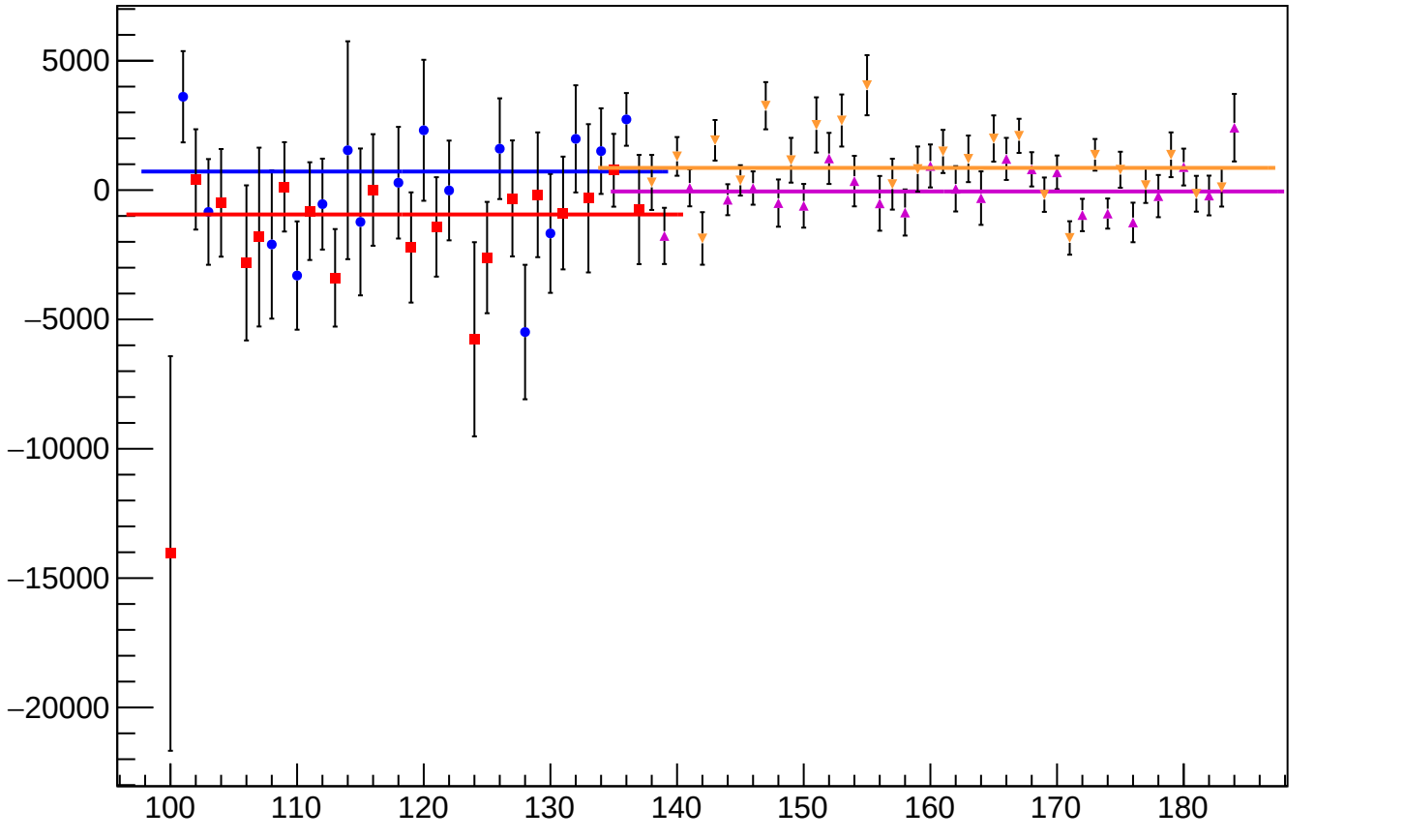
Left: 682.934+/-0.080 χ^2/NDF: 2484082.2/46

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 741.551+/-0.109 χ^2/NDF:4549970.3/38

Out: 744.538+/-0.107 χ^2/NDF:4938373.8/42

All: 743.067+/-0.077 χ^2/NDF: 9488724.6/81



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: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 409.048+/-114.528 χ^2/NDF: 103.3/46

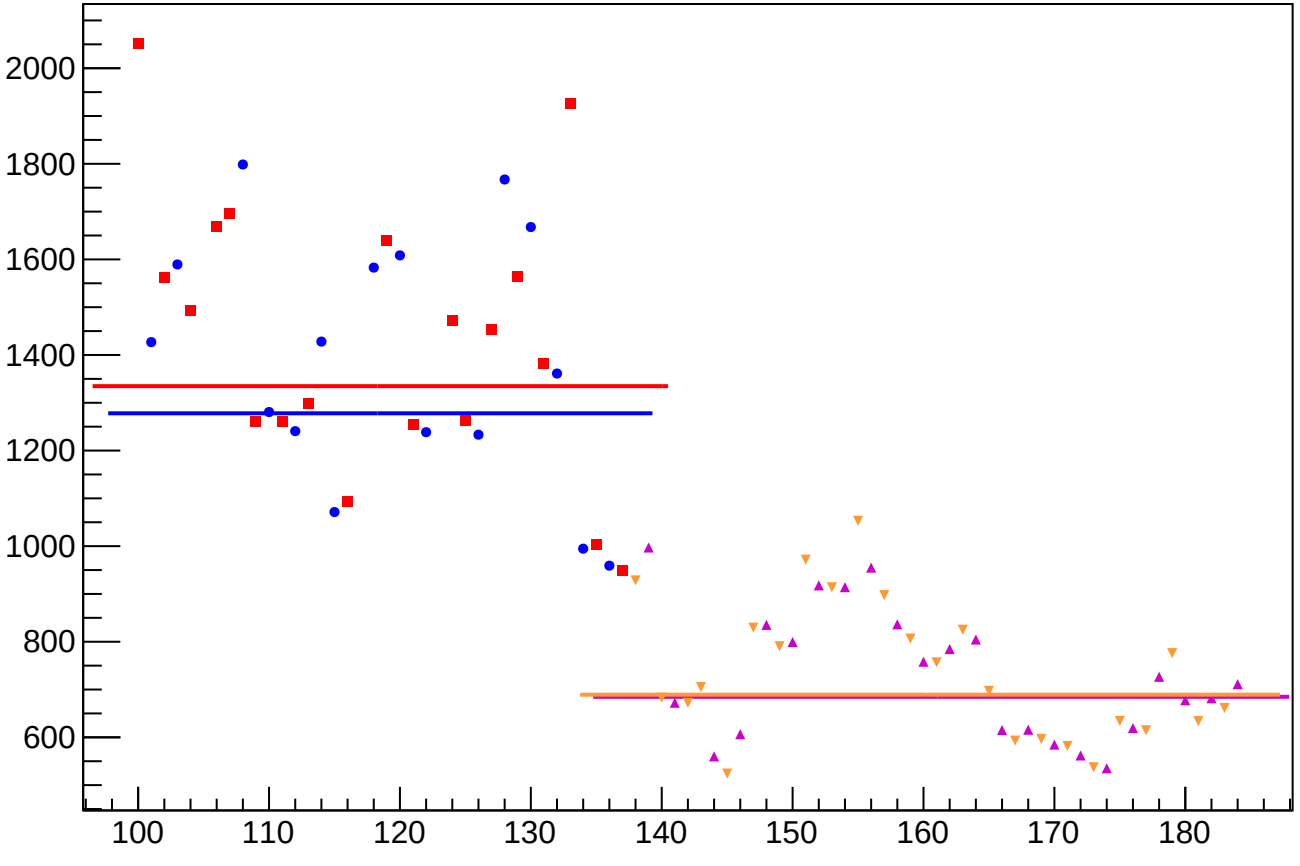
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 24.947+/-154.642 χ^2/NDF:48.6/38

Out: 688.266+/-153.125 χ^2/NDF:84.5/42

All: 359.876+/-108.808 χ^2/NDF: 142.4/81

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: 684.763+/-0.115 χ^2/NDF:1165205.5/22

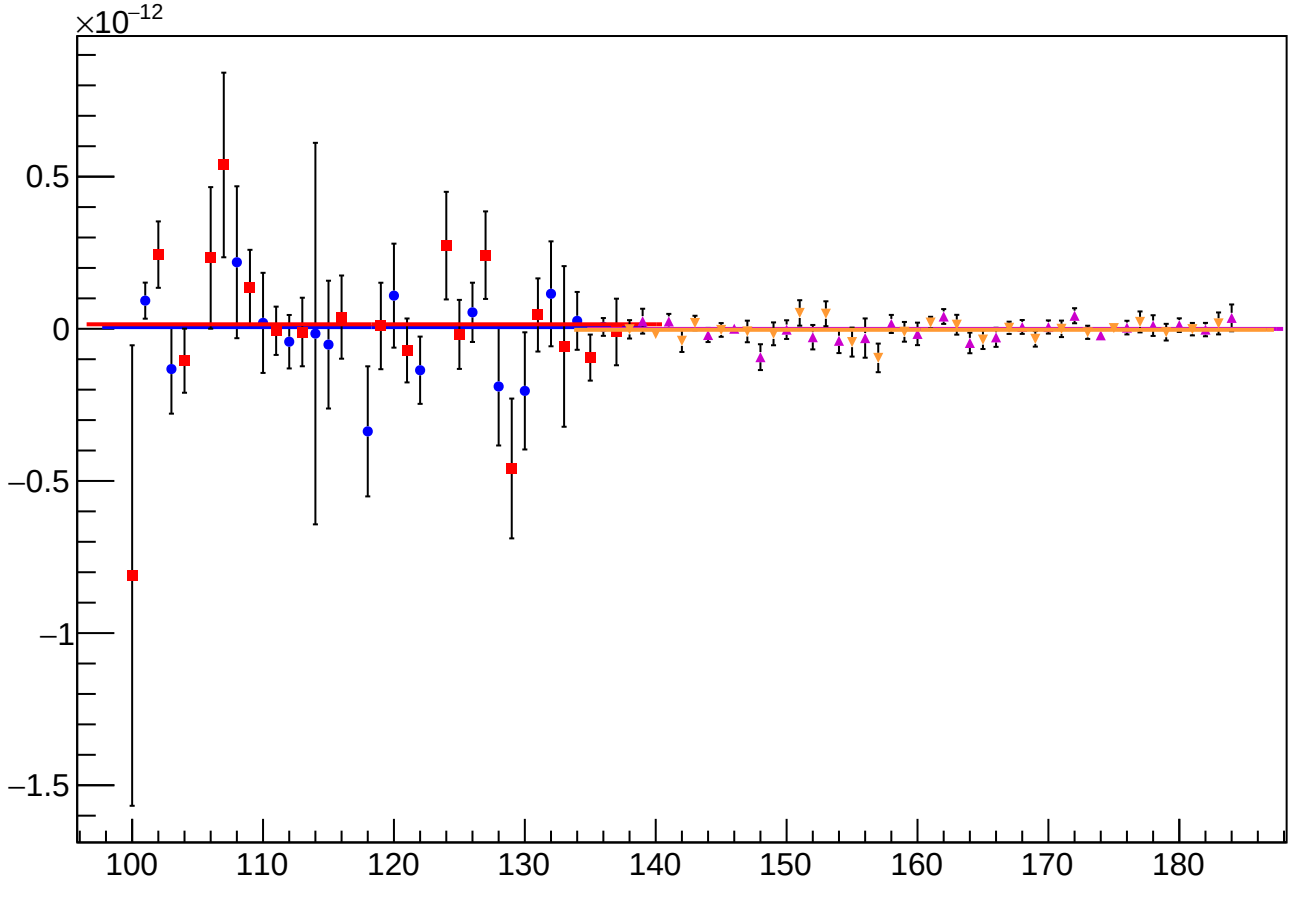
Left: 687.038+/-0.081 χ^2/NDF: 2453689.1/46

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 744.275+/-0.109 χ^2/NDF:4419179.7/38

Out: 750.272+/-0.108 χ^2/NDF:4801742.5/42

All: 747.303+/-0.077 χ^2/NDF: 9222440.9/81



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:20.5/22

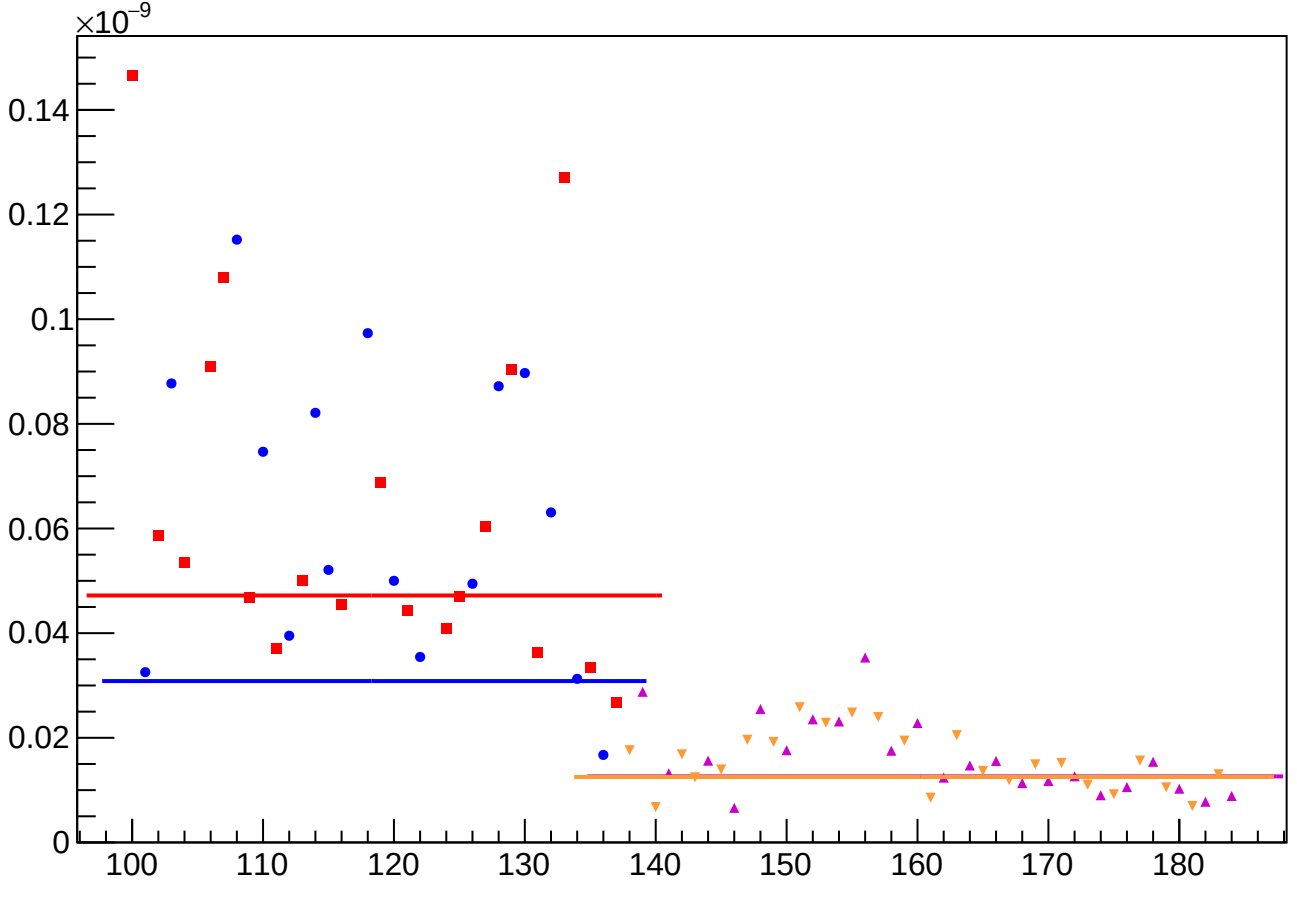
Left: -0.000+/-0.000 χ^2/NDF: 37.1/46

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:32.2/38

Out: -0.000+/-0.000 χ^2/NDF:40.7/42

All: -0.000+/-0.000 χ^2/NDF: 73.0/81



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:1961578.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3696222.9/46

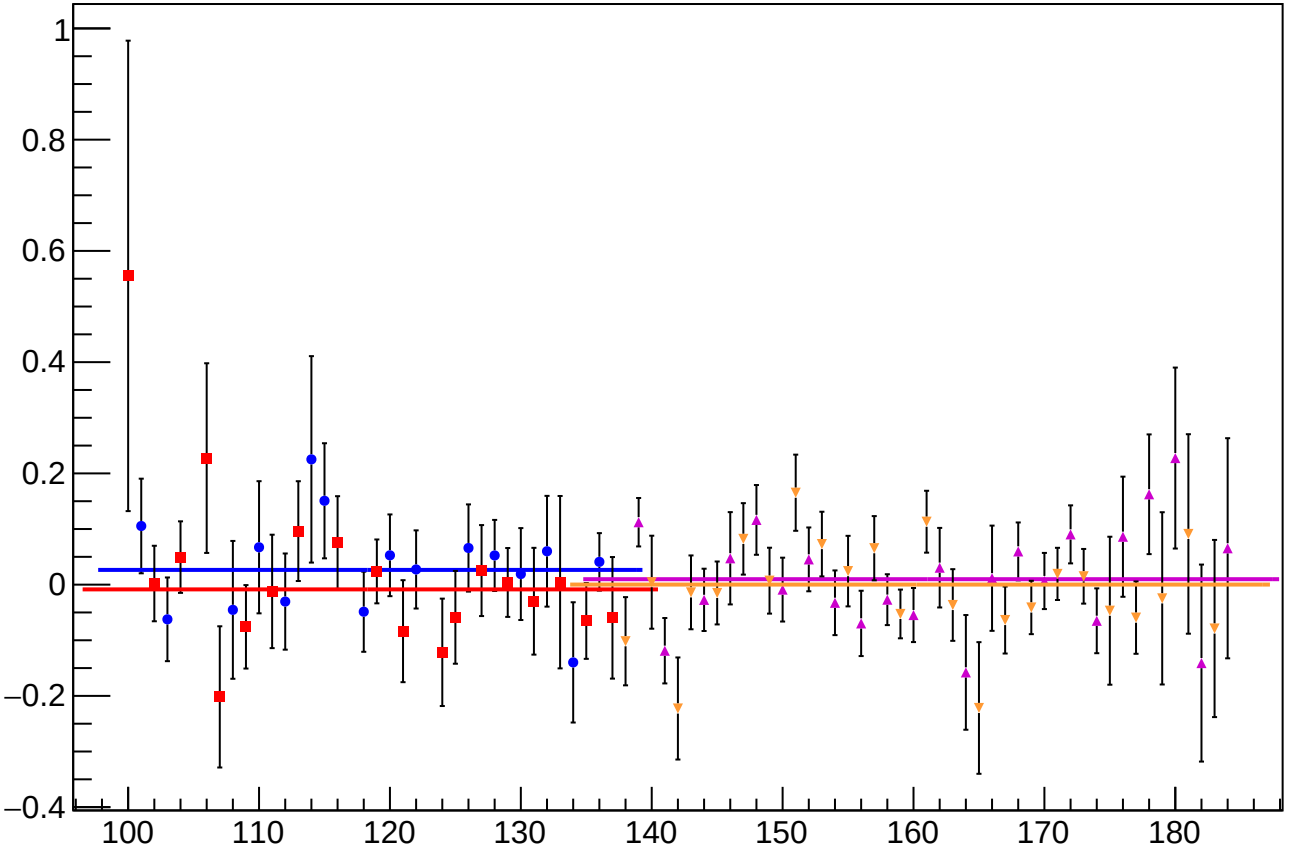
Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:5216602.8/38

Out: 0.000+/-0.000 χ^2/NDF:5299469.3/42

All: 0.000+/-0.000 χ^2/NDF: 10516259.0/81

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:31.9/22

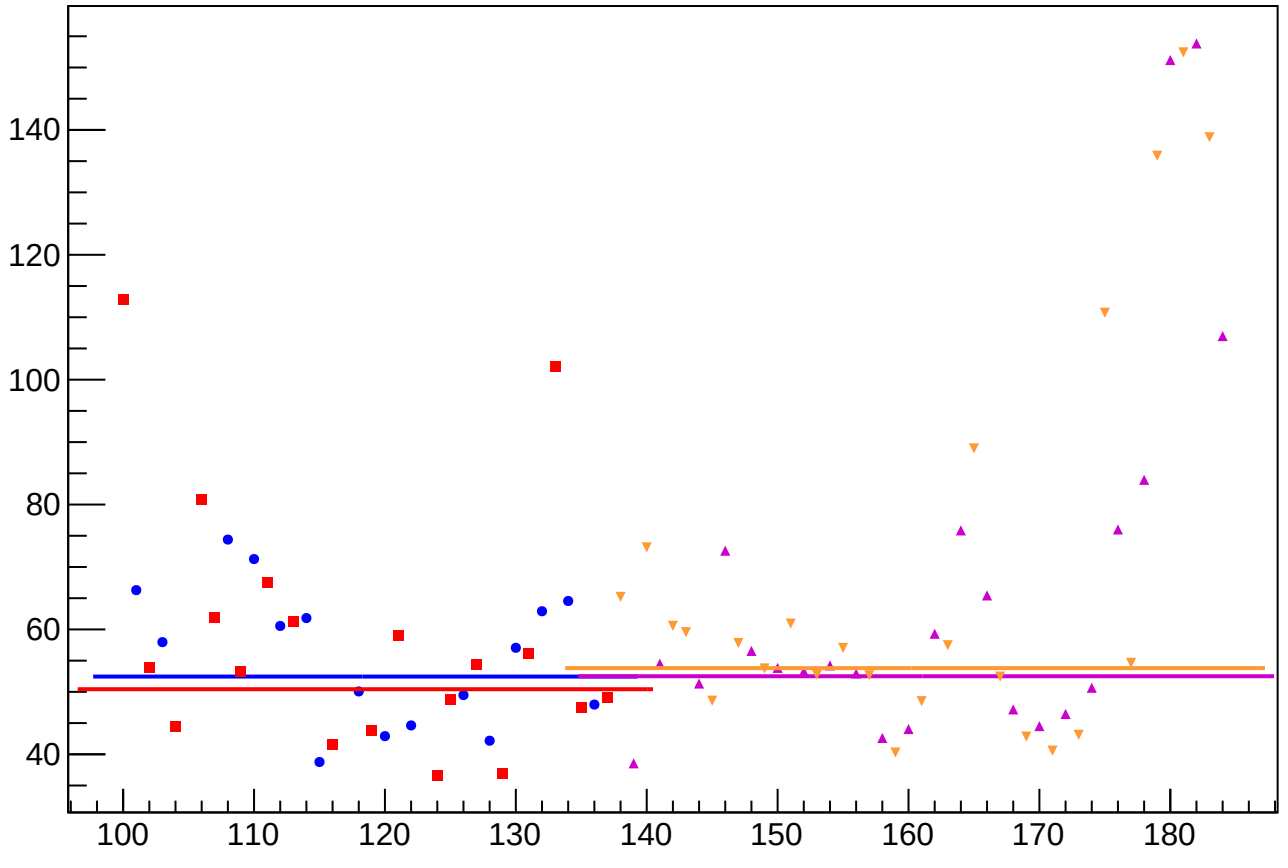
Left: 0.005+/-0.009 χ^2/NDF: 63.3/46

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:42.3/38

Out: -0.003+/-0.011 χ^2/NDF:45.2/42

All: 0.006+/-0.008 χ^2/NDF: 88.8/81



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: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.151+/-0.007 χ^2/NDF: 5649280.9/46

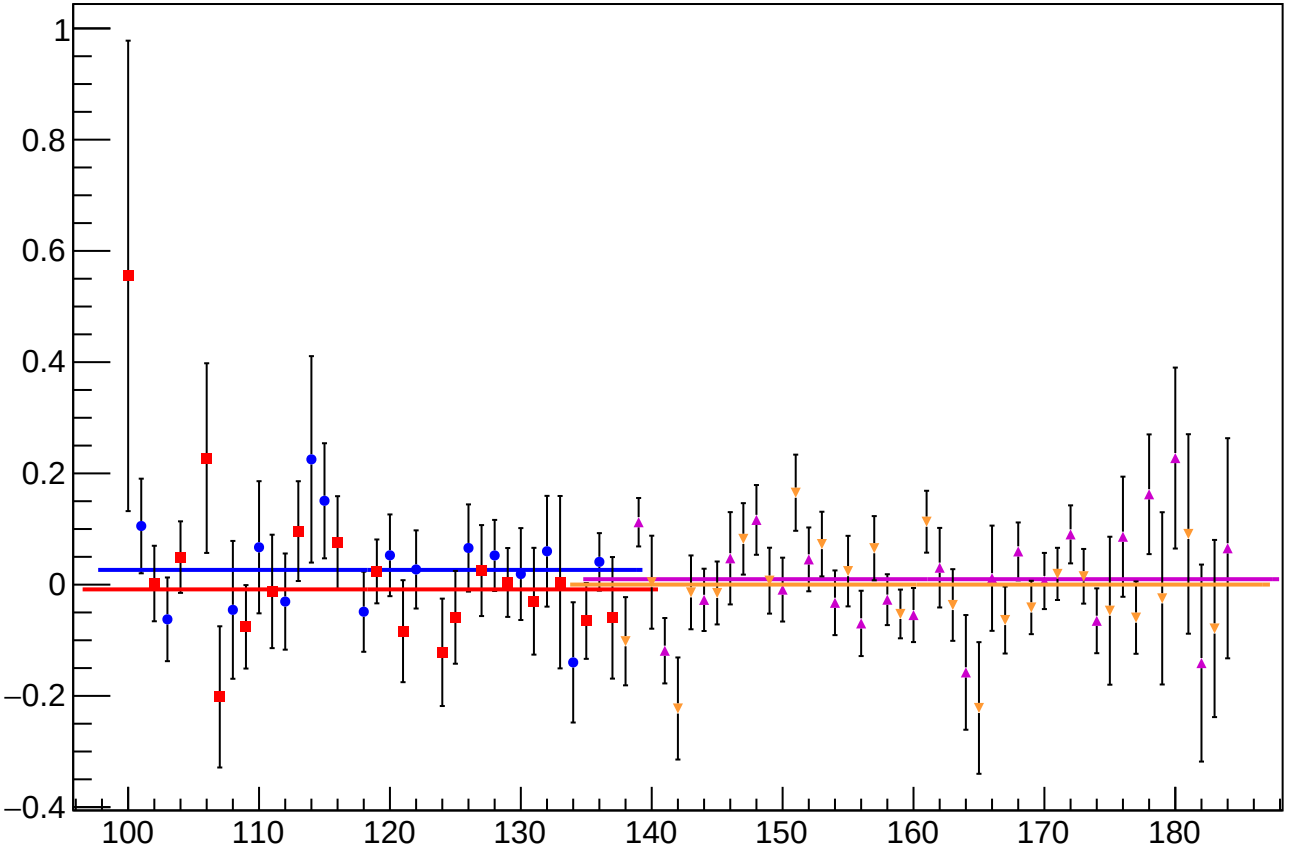
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 52.487+/-0.008 χ^2/NDF:2975786.9/38

Out: 52.733+/-0.008 χ^2/NDF:3799774.6/42

All: 52.612+/-0.006 χ^2/NDF: 6776061.0/81

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:31.9/22

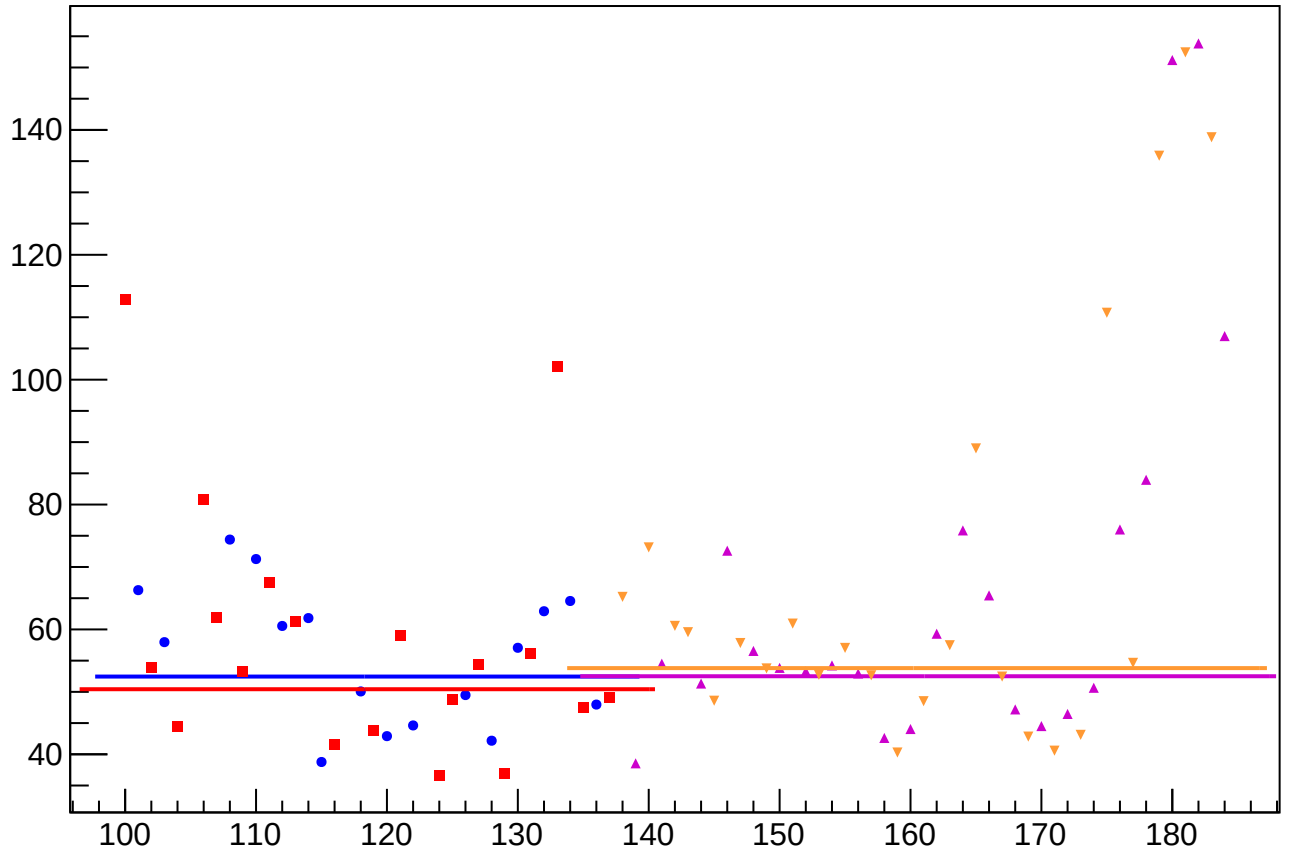
Left: 0.005+/-0.009 χ^2/NDF: 63.3/46

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:42.3/38

Out: -0.003+/-0.011 χ^2/NDF:45.2/42

All: 0.006+/-0.008 χ^2/NDF: 88.8/81



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: 52.502+/-0.009 χ^2/NDF:2557763.5/22

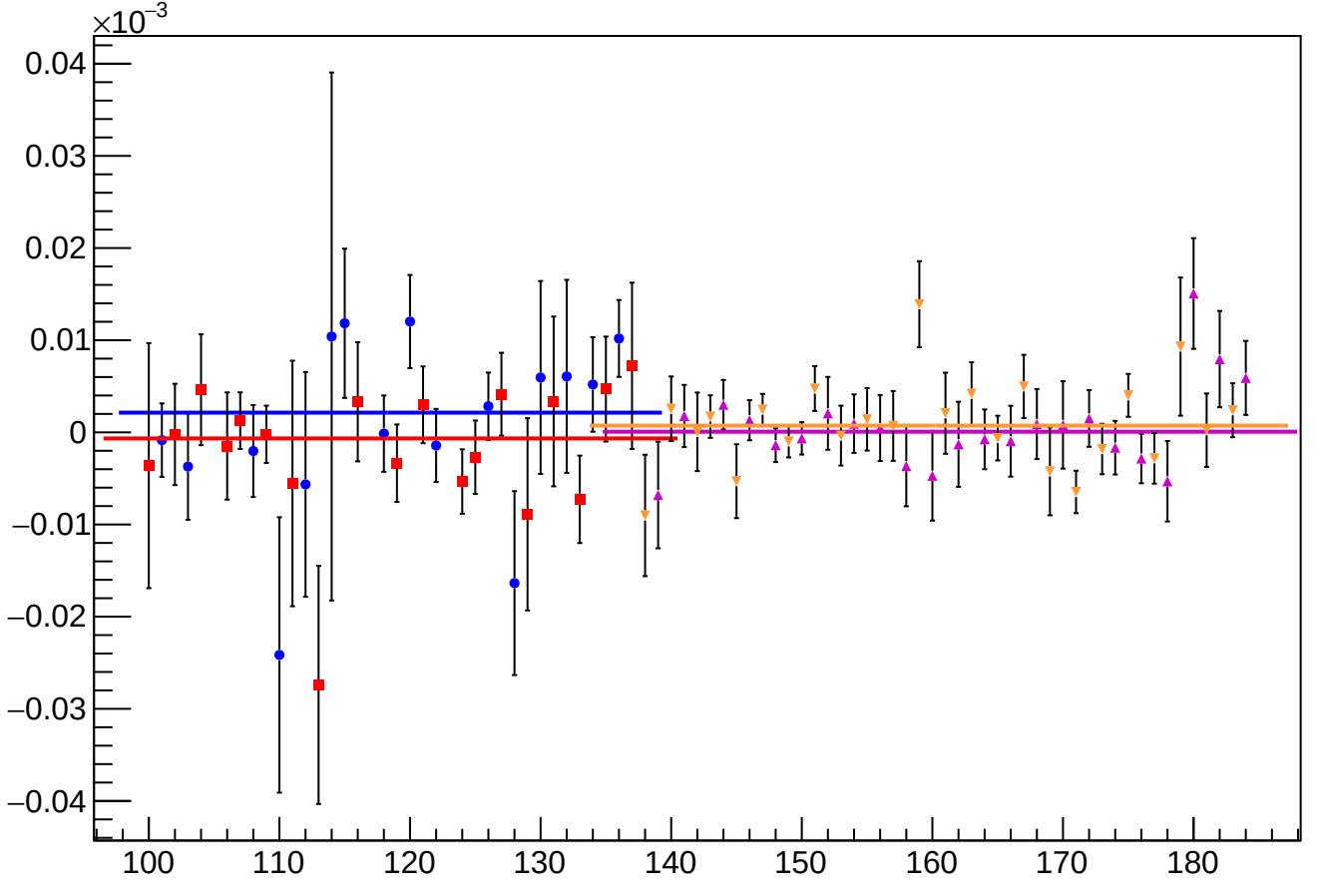
Left: 53.151+/-0.007 χ^2/NDF: 5649280.9/46

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 52.487+/-0.008 χ^2/NDF:2975786.9/38

Out: 52.733+/-0.008 χ^2/NDF:3799774.6/42

All: 52.612+/-0.006 χ^2/NDF: 6776061.0/81



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:20.2/22

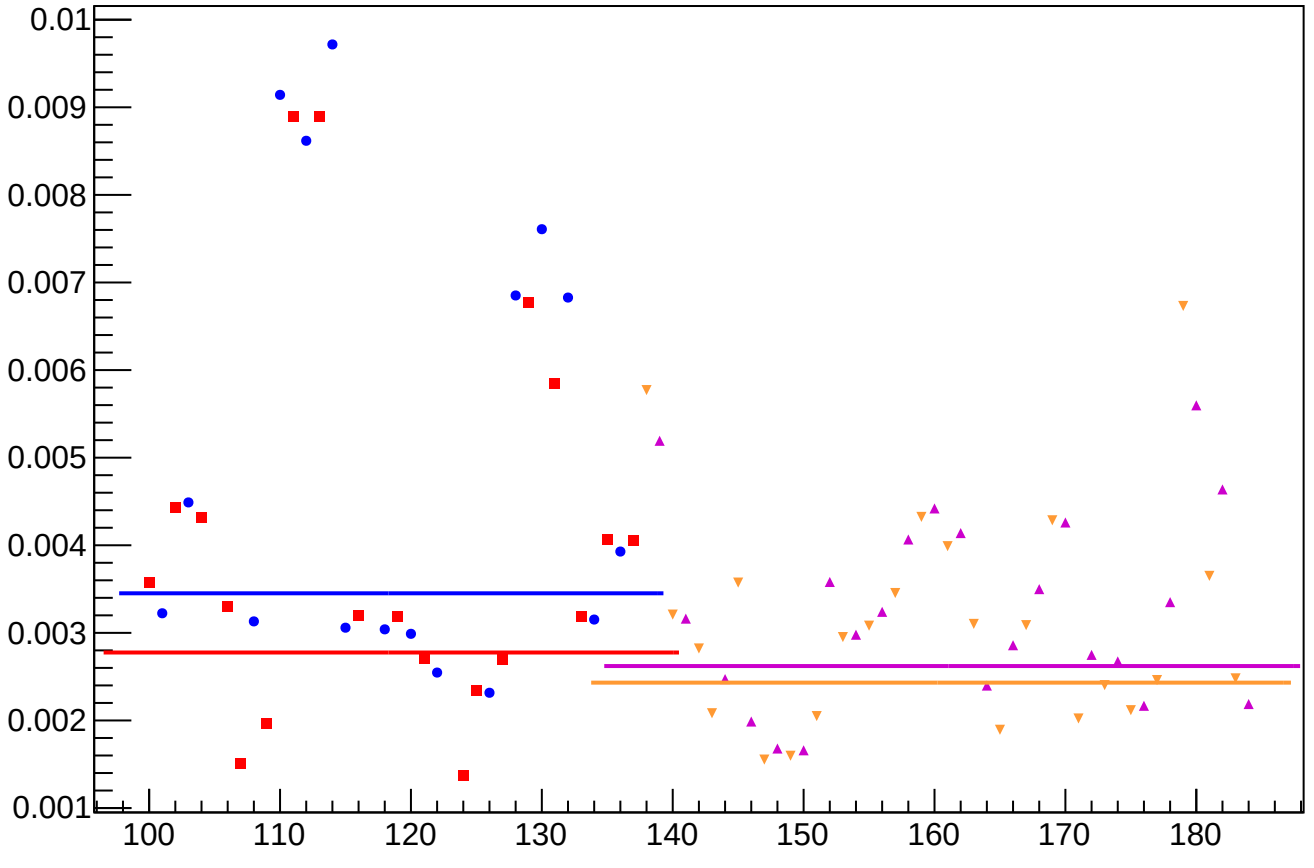
Left: 0.000+/-0.000 χ^2/NDF: 58.5/46

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:42.1/38

Out: 0.000+/-0.000 χ^2/NDF:53.7/42

All: 0.000+/-0.000 χ^2/NDF: 95.8/81



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:3955310.5/22

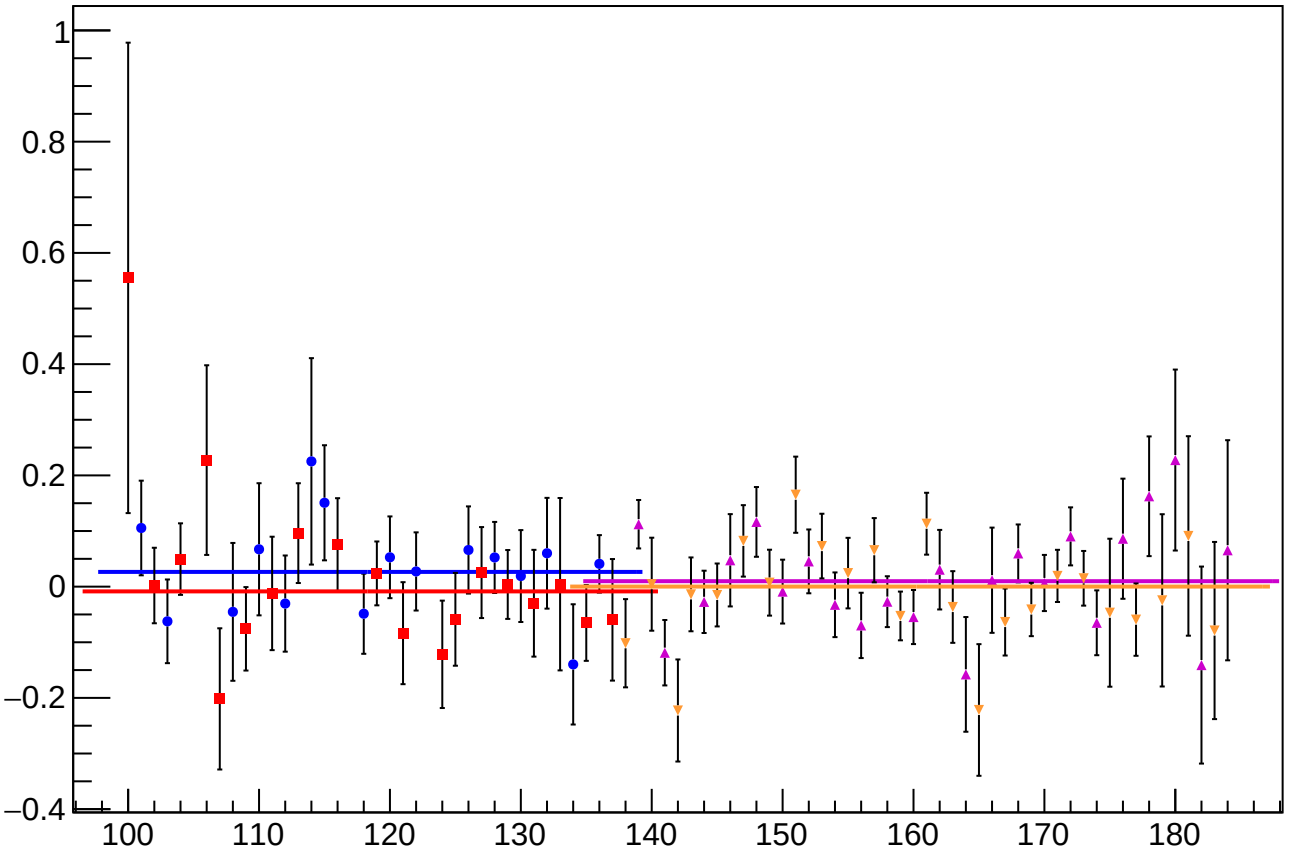
Left: 0.003+/-0.000 χ^2/NDF: 8262866.3/46

Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:6491652.2/38

Out: 0.003+/-0.000 χ^2/NDF:7093250.2/42

All: 0.003+/-0.000 χ^2/NDF: 13814878.0/81



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:31.9/22

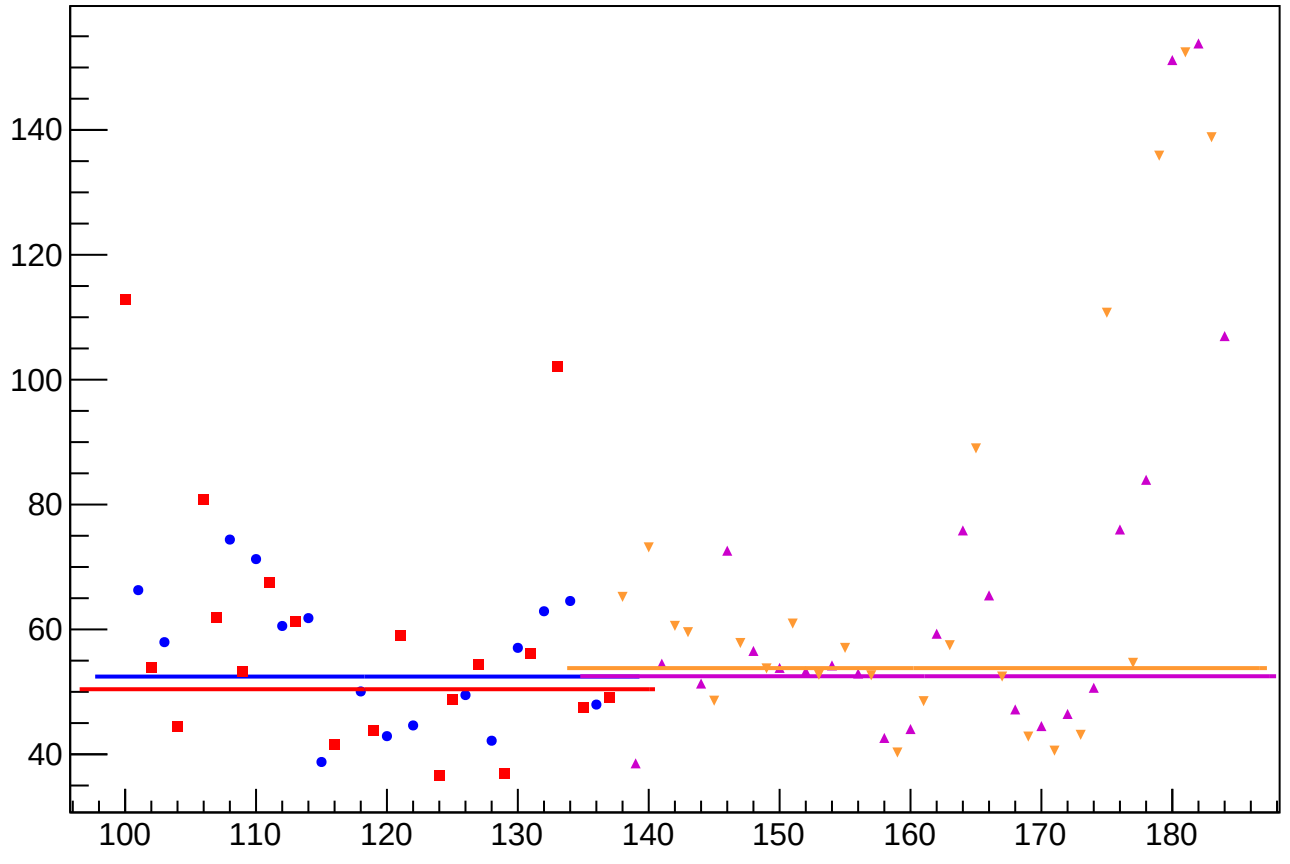
Left: 0.005+/-0.009 χ^2/NDF: 63.3/46

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:42.3/38

Out: -0.003+/-0.011 χ^2/NDF:45.2/42

All: 0.006+/-0.008 χ^2/NDF: 88.8/81



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: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.151+/-0.007 χ^2/NDF: 5649345.2/46

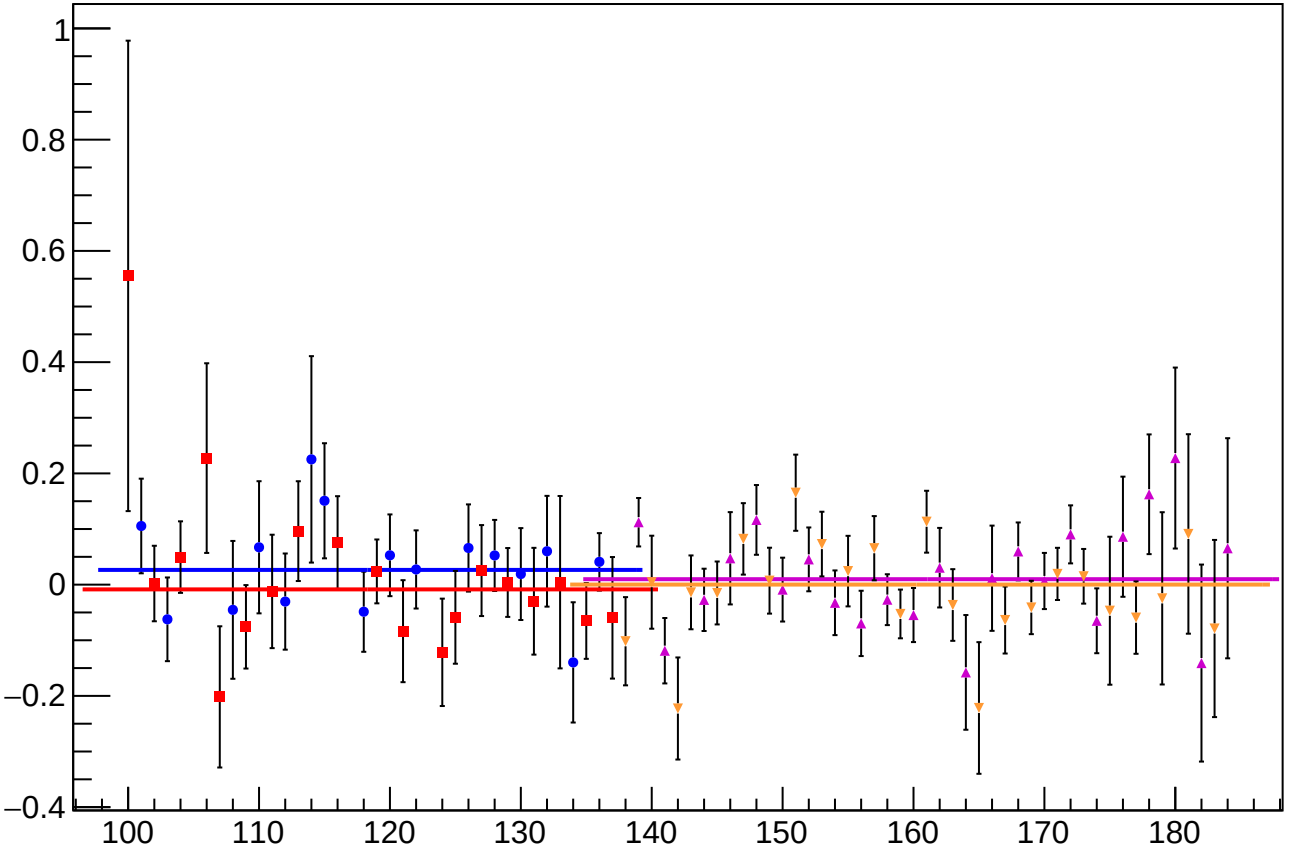
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 52.487+/-0.008 χ^2/NDF:2975782.4/38

Out: 52.733+/-0.008 χ^2/NDF:3799839.0/42

All: 52.611+/-0.006 χ^2/NDF: 6776120.7/81

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:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.3/46

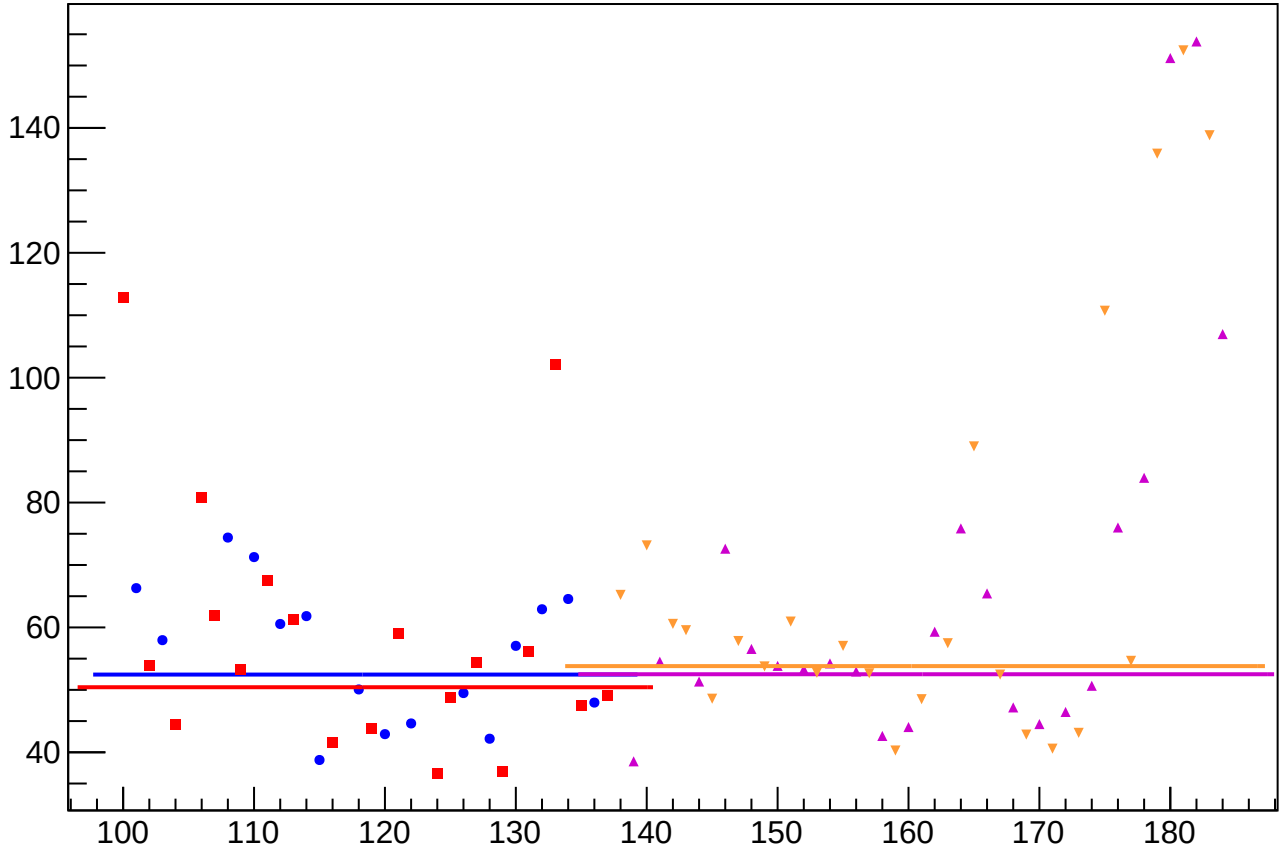
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:42.3/38

Out: -0.003+/-0.011 χ^2/NDF:45.2/42

All: 0.006+/-0.008 χ^2/NDF: 88.8/81

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: 52.502+/-0.009 χ^2/NDF:2557805.6/22

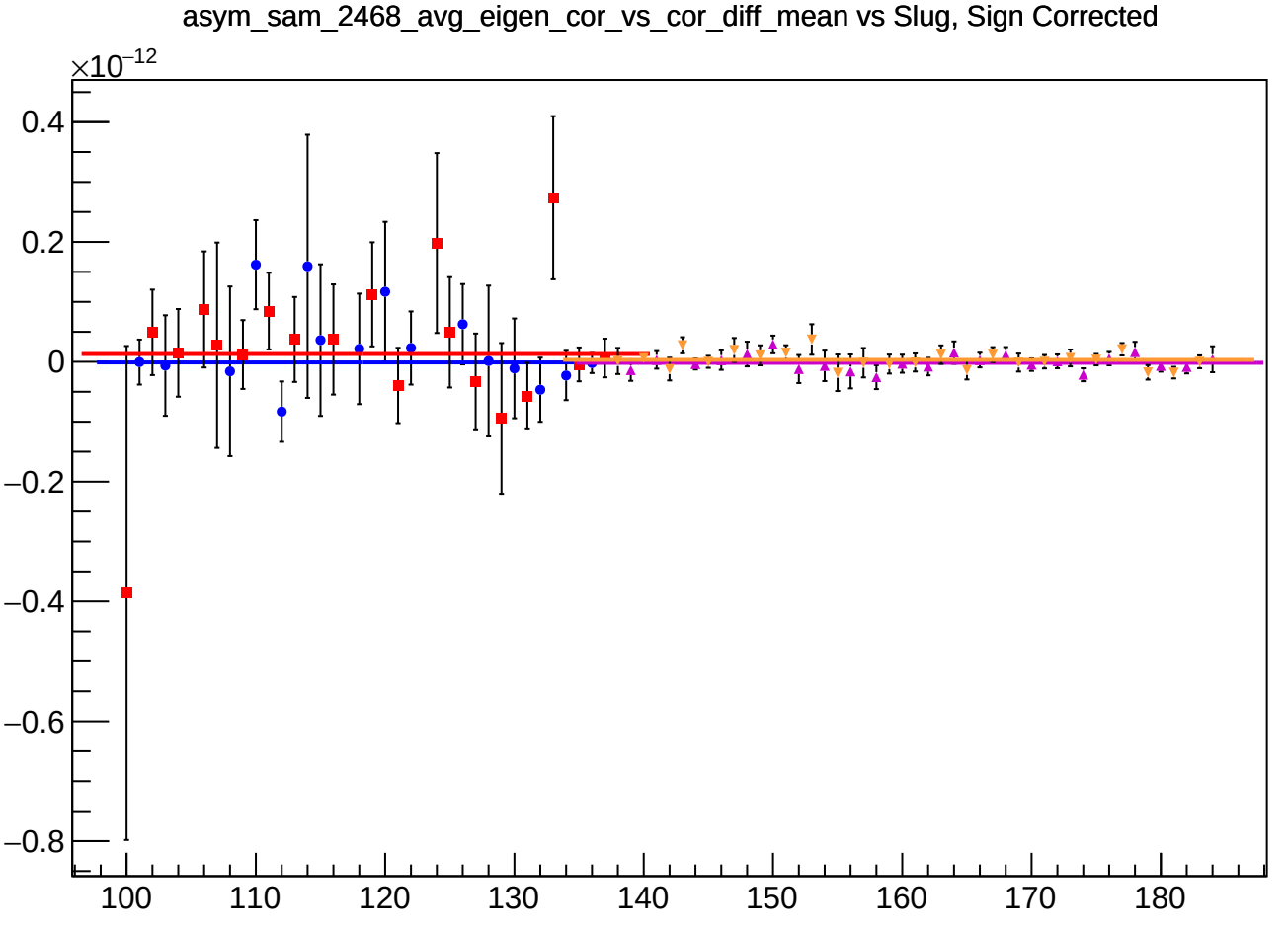
Left: 53.151+/-0.007 χ^2/NDF: 5649345.2/46

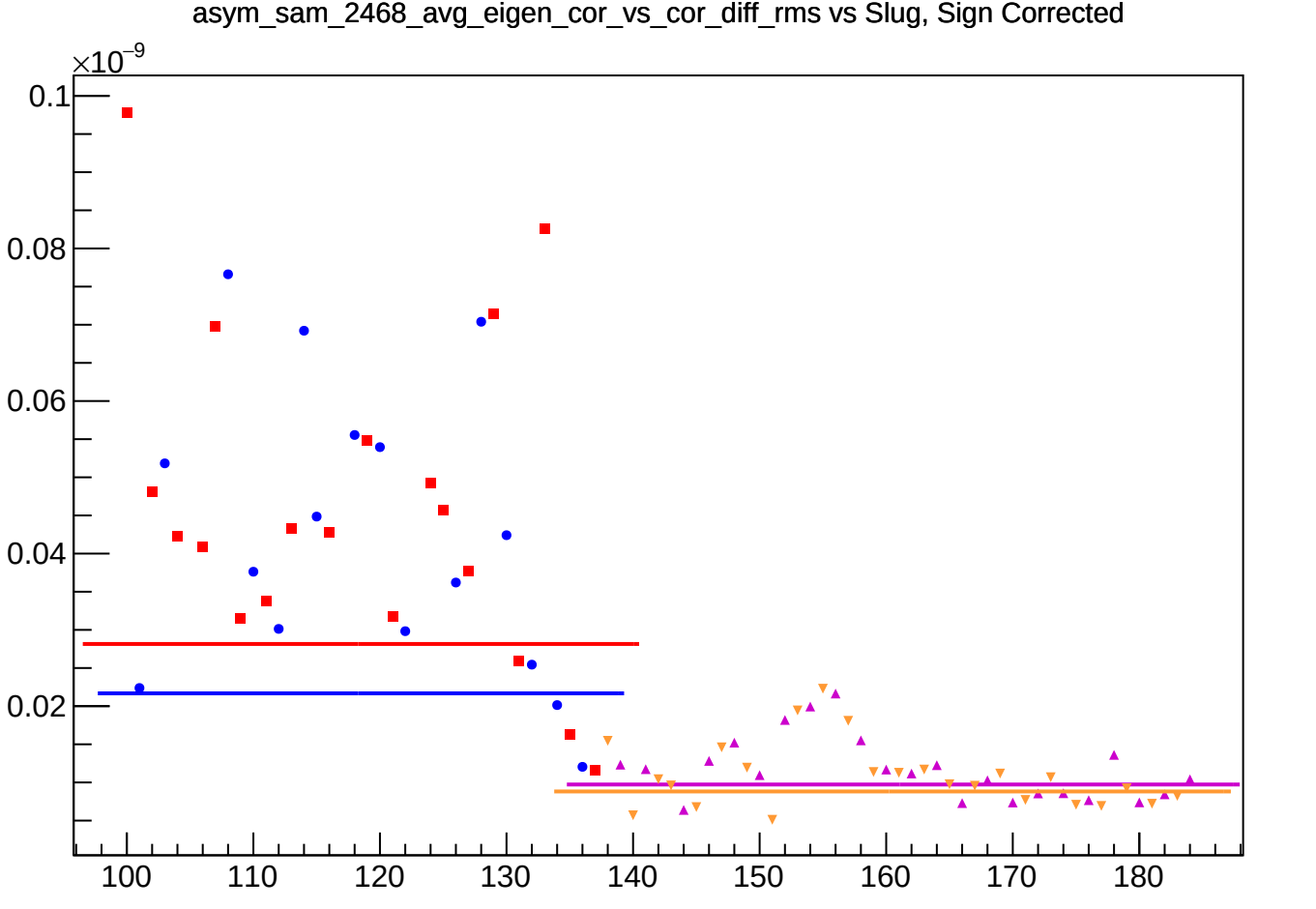
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 52.487+/-0.008 χ^2/NDF:2975782.4/38

Out: 52.733+/-0.008 χ^2/NDF:3799839.0/42

All: 52.611+/-0.006 χ^2/NDF: 6776120.7/81


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:15.3/22
Left: 0.000+/-0.000 χ²/NDF: 38.3/46
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:26.5/38
Out: 0.000+/-0.000 χ²/NDF:35.6/42
All: 0.000+/-0.000 χ²/NDF: 64.0/81



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:2320113.6/22

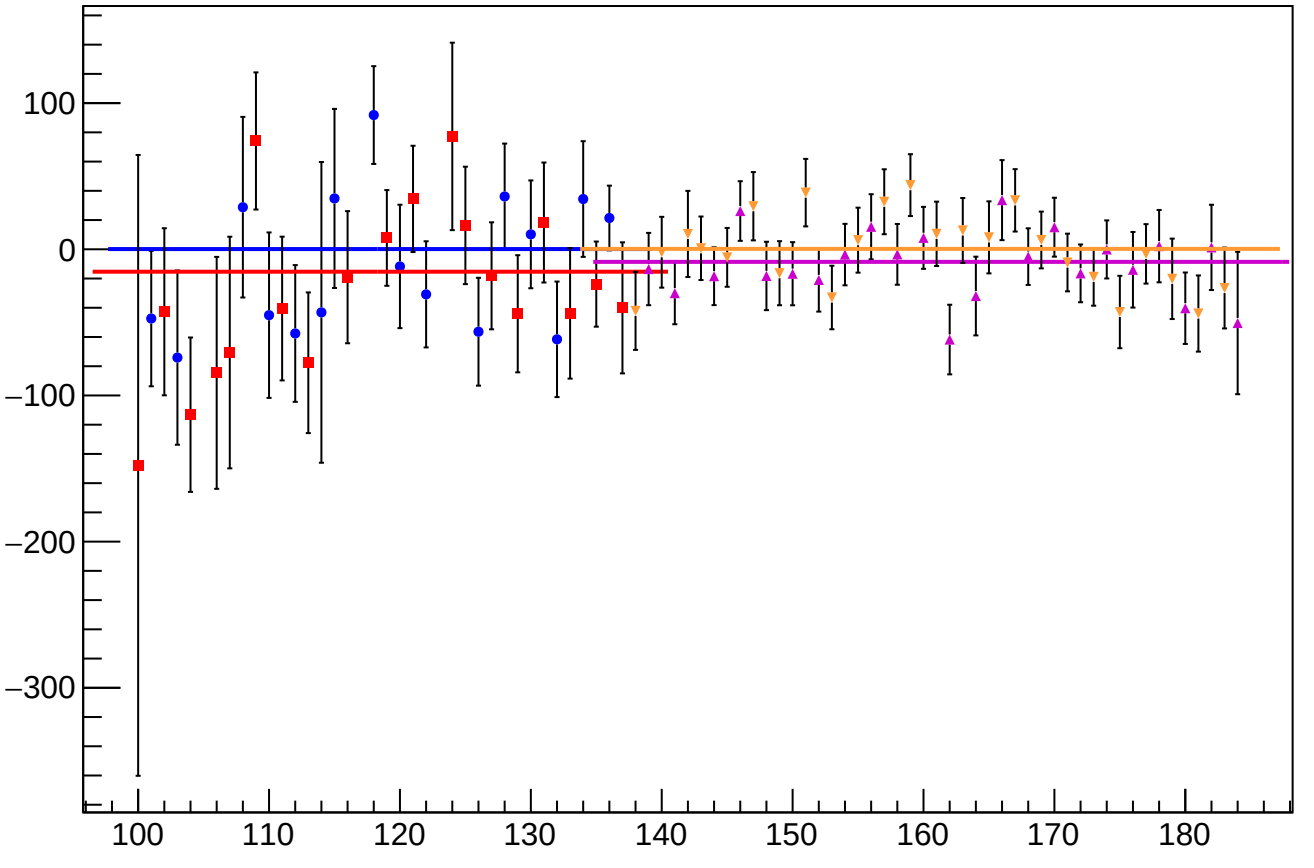
Left: 0.000+/-0.000 χ^2/NDF: 4941625.0/46

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:6723020.6/38

Out: 0.000+/-0.000 χ^2/NDF:8334486.1/42

All: 0.000+/-0.000 χ^2/NDF: 15173501.0/81



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: -8.600+/-4.724 χ^2/NDF:19.4/22

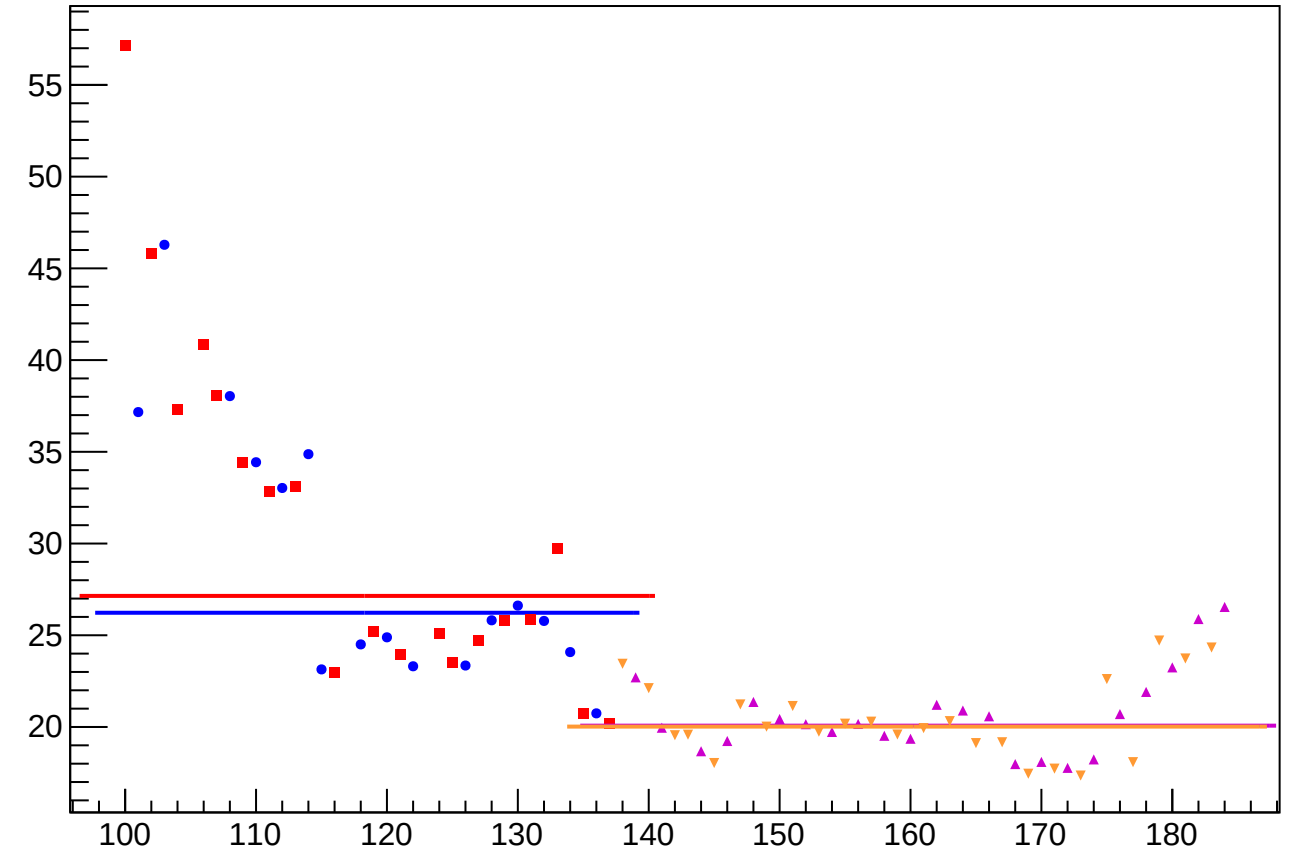
Left: -4.059+/-3.302 χ^2/NDF: 49.4/46

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -7.016+/-4.275 χ^2/NDF:41.3/38

Out: -2.347+/-4.211 χ^2/NDF:48.1/42

All: -4.646+/-3.000 χ^2/NDF: 90.0/81



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: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.046+/-0.002 χ^2/NDF: 674427.5/46

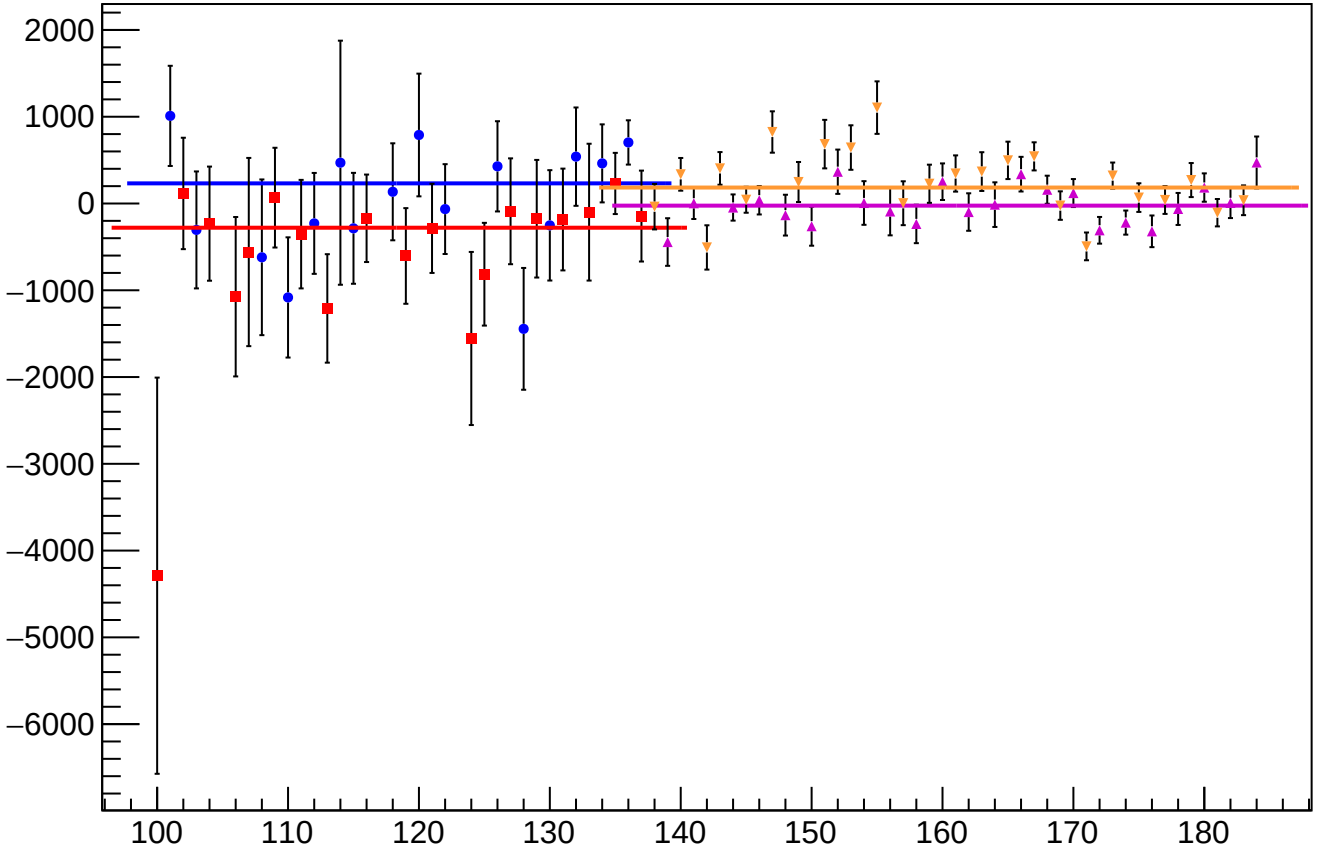
Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 21.186+/-0.003 χ^2/NDF:1592294.2/38

Out: 21.220+/-0.003 χ^2/NDF:1929009.2/42

All: 21.203+/-0.002 χ^2/NDF: 3521364.2/81

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 183.910+/-39.494 χ^2/NDF:68.8/23

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 81.171+/-28.128 χ^2/NDF: 109.4/46

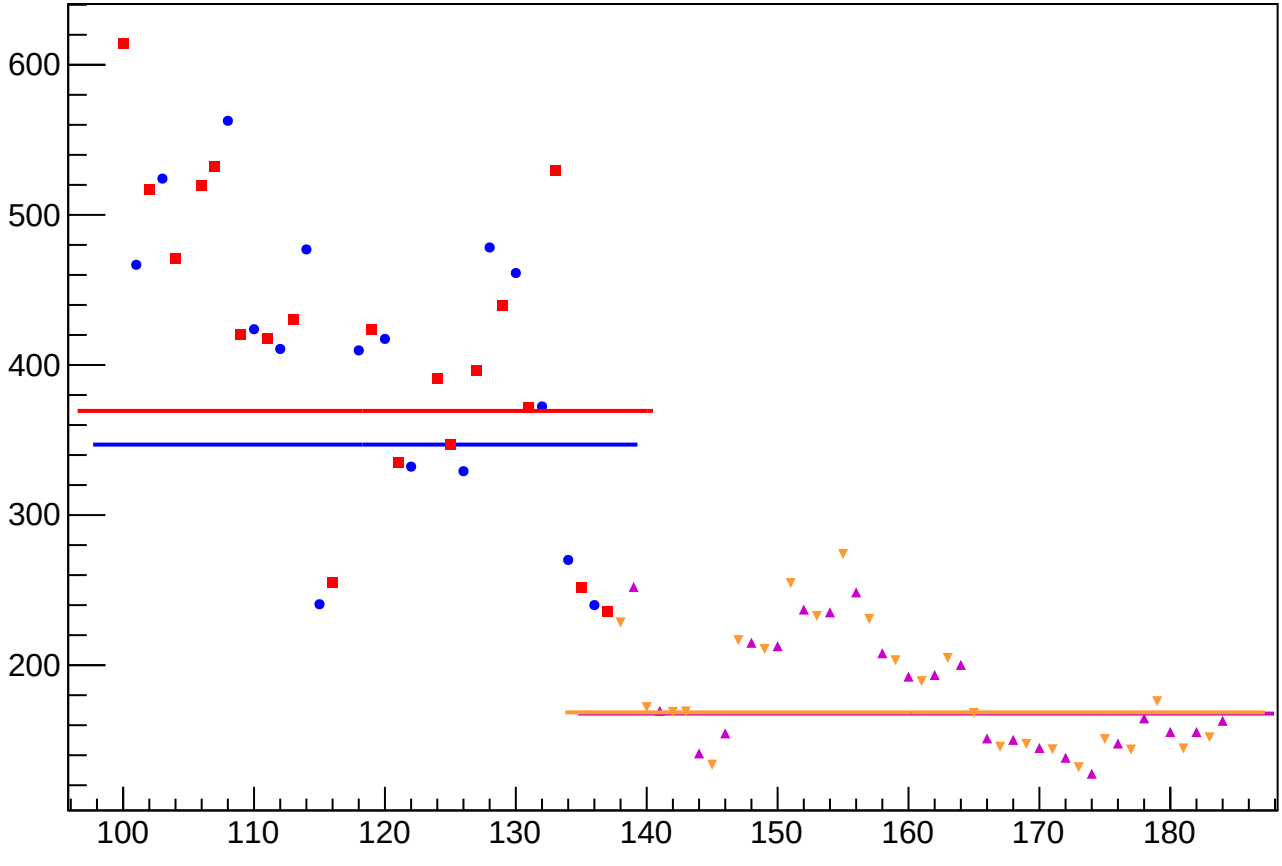
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: -3.770+/-38.411 χ^2/NDF:49.9/38

Out: 149.768+/-38.009 χ^2/NDF:91.0/42

All: 73.806+/-27.018 χ^2/NDF: 148.9/81

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: 167.748+/-0.028 χ^2/NDF:1403124.0/22

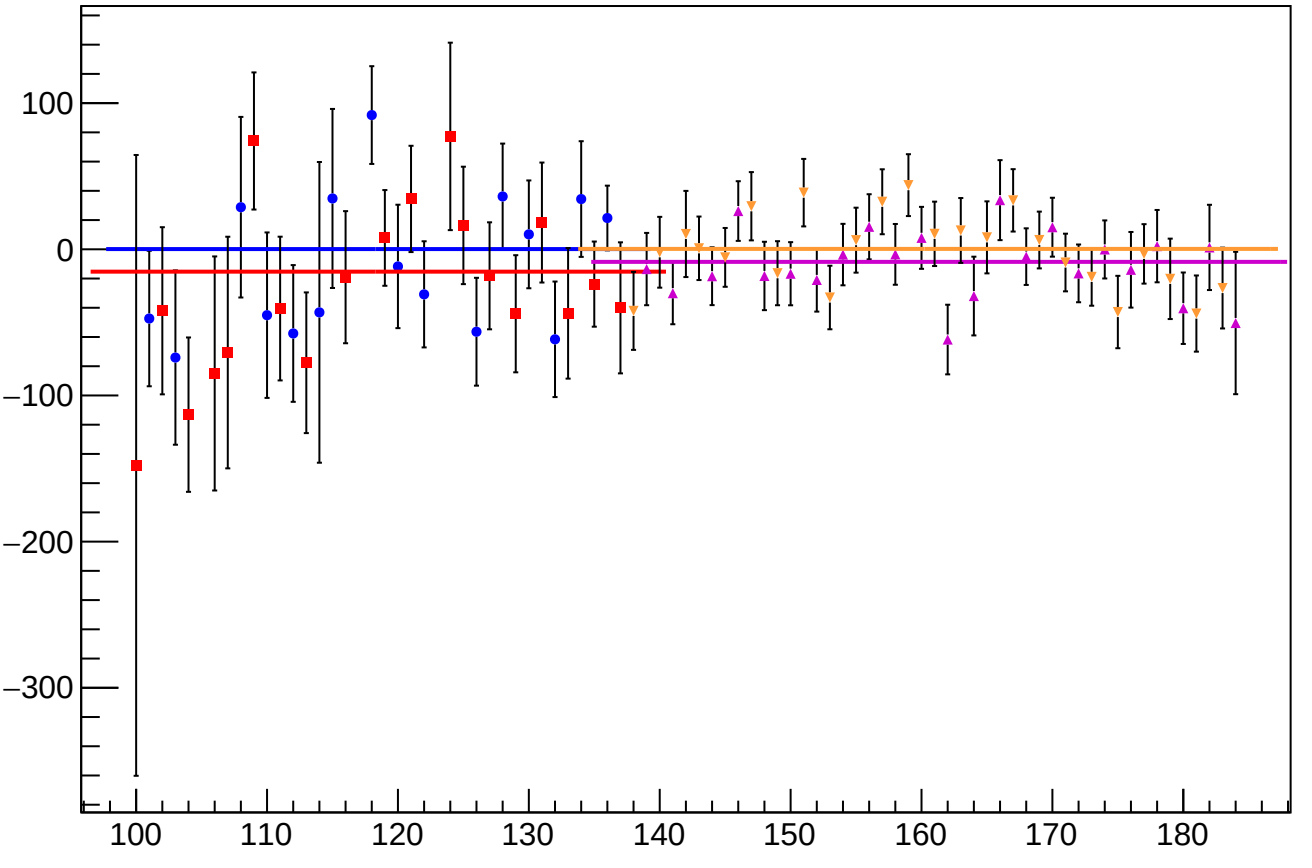
Left: 168.158+/-0.020 χ^2/NDF: 2944917.4/46

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 182.285+/-0.027 χ^2/NDF:5706303.7/38

Out: 183.369+/-0.027 χ^2/NDF:6275109.4/42

All: 182.832+/-0.019 χ^2/NDF: 11982218.0/81



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: -8.600+/-4.724 χ^2/NDF:19.4/22

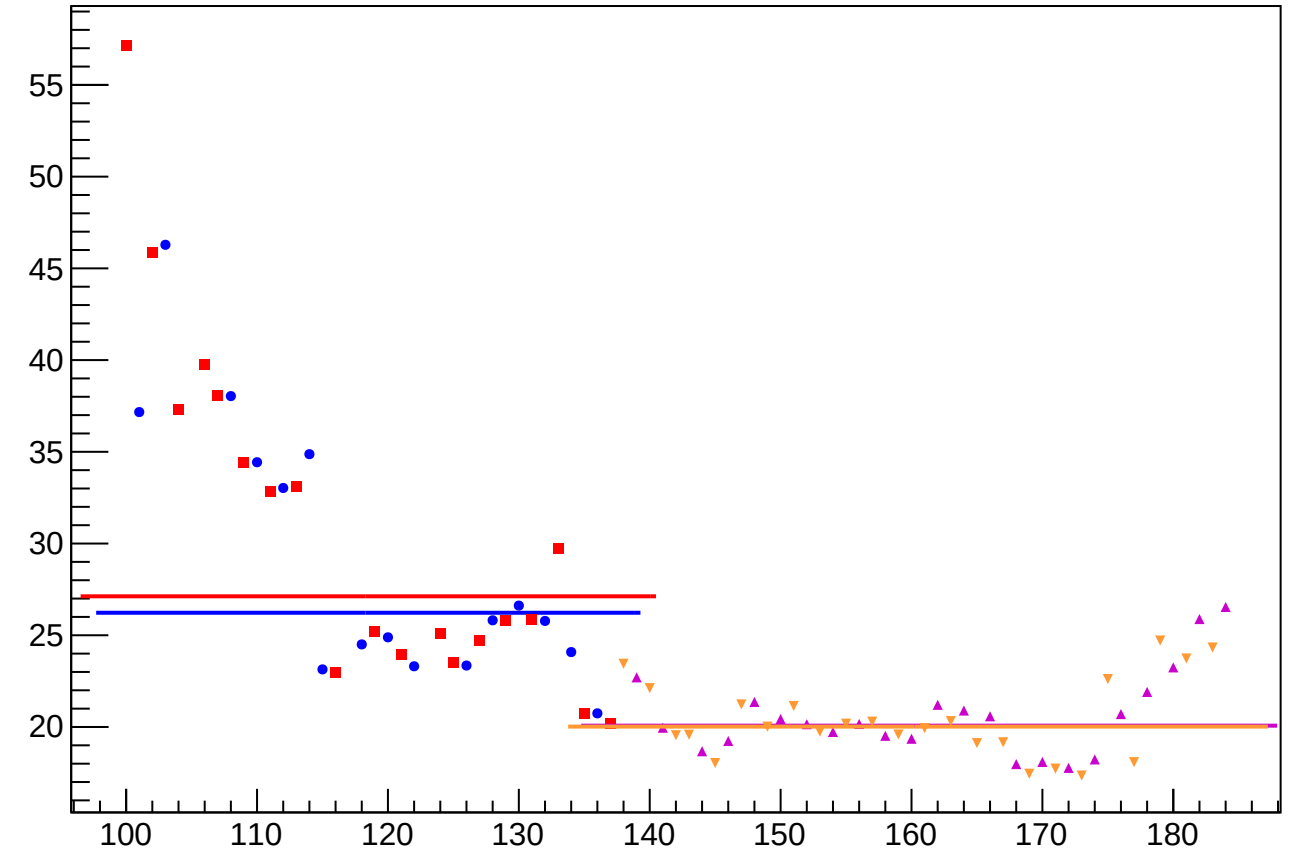
Left: -4.060+/-3.302 χ^2/NDF: 49.4/46

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -7.015+/-4.275 χ^2/NDF:41.3/38

Out: -2.340+/-4.211 χ^2/NDF:48.0/42

All: -4.643+/-3.000 χ^2/NDF: 90.0/81



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: 20.072+/-0.003 χ^2/NDF:301705.2/22

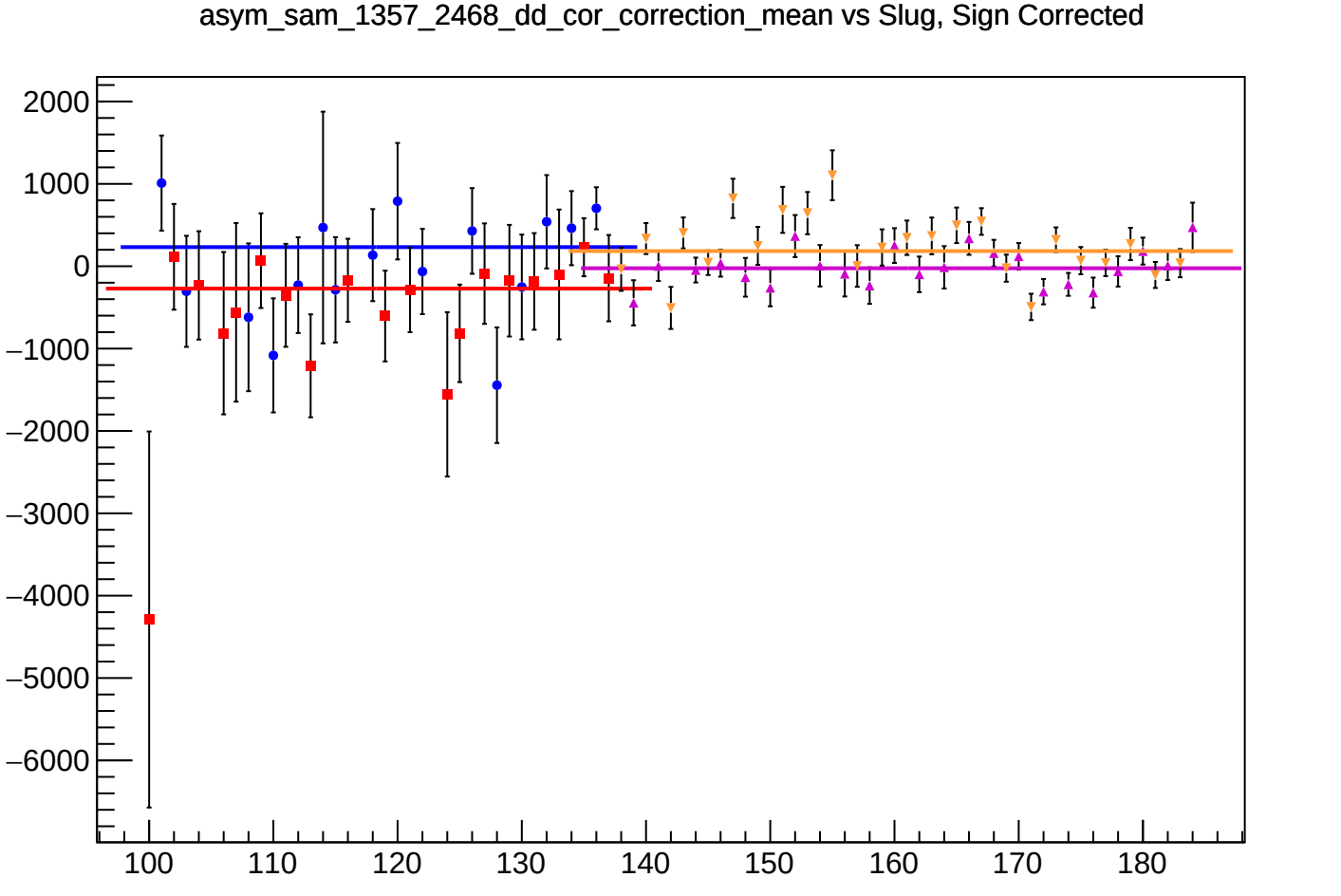
Left: 20.046+/-0.002 χ^2/NDF: 674427.6/46

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.186+/-0.003 χ^2/NDF:1592297.6/38

Out: 21.215+/-0.003 χ^2/NDF:1914124.7/42

All: 21.201+/-0.002 χ^2/NDF: 3506469.2/81



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: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 81.170+/-28.128 χ^2/NDF: 109.4/46

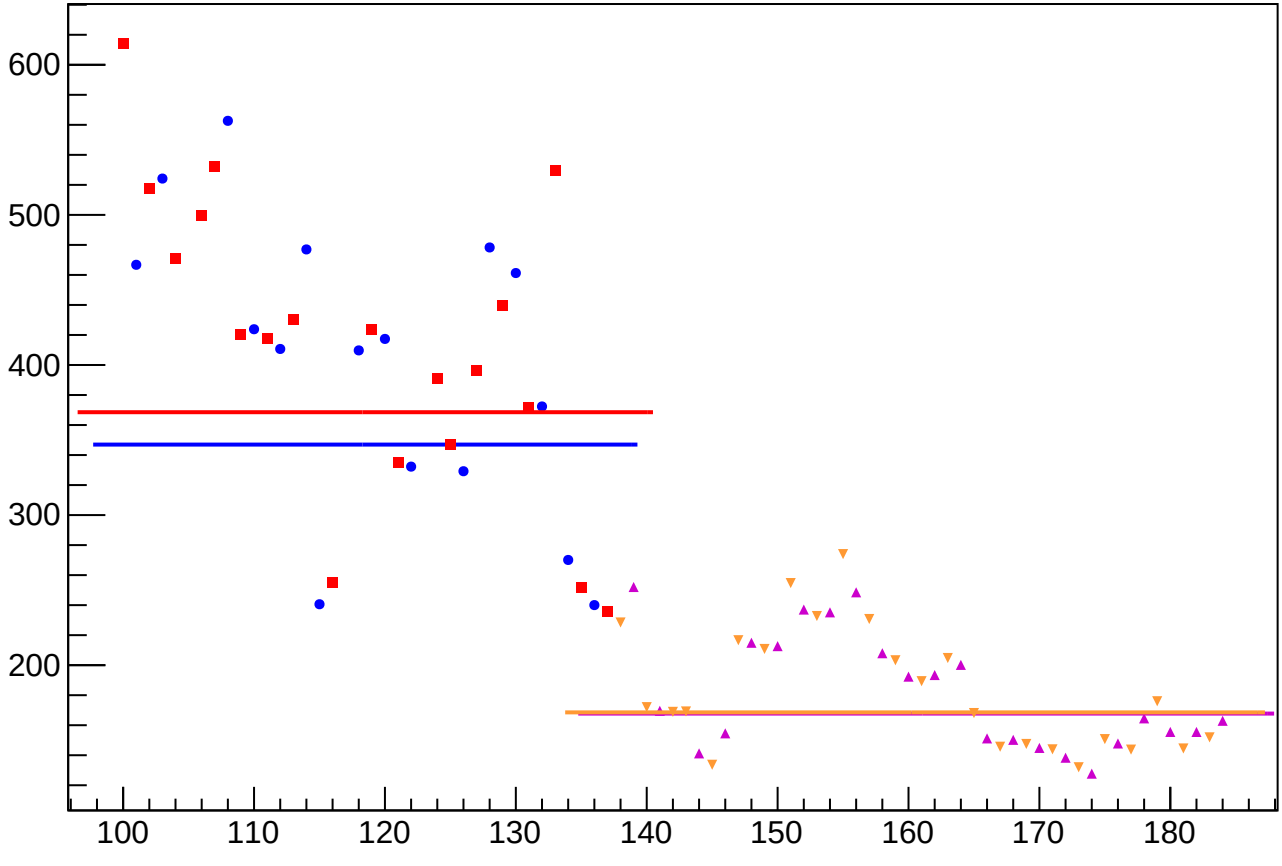
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -3.771+/-38.411 χ^2/NDF:49.9/38

Out: 150.426+/-38.014 χ^2/NDF:90.2/42

All: 74.129+/-27.019 χ^2/NDF: 148.2/81

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: 167.748+/-0.028 χ^2/NDF:1403120.1/22

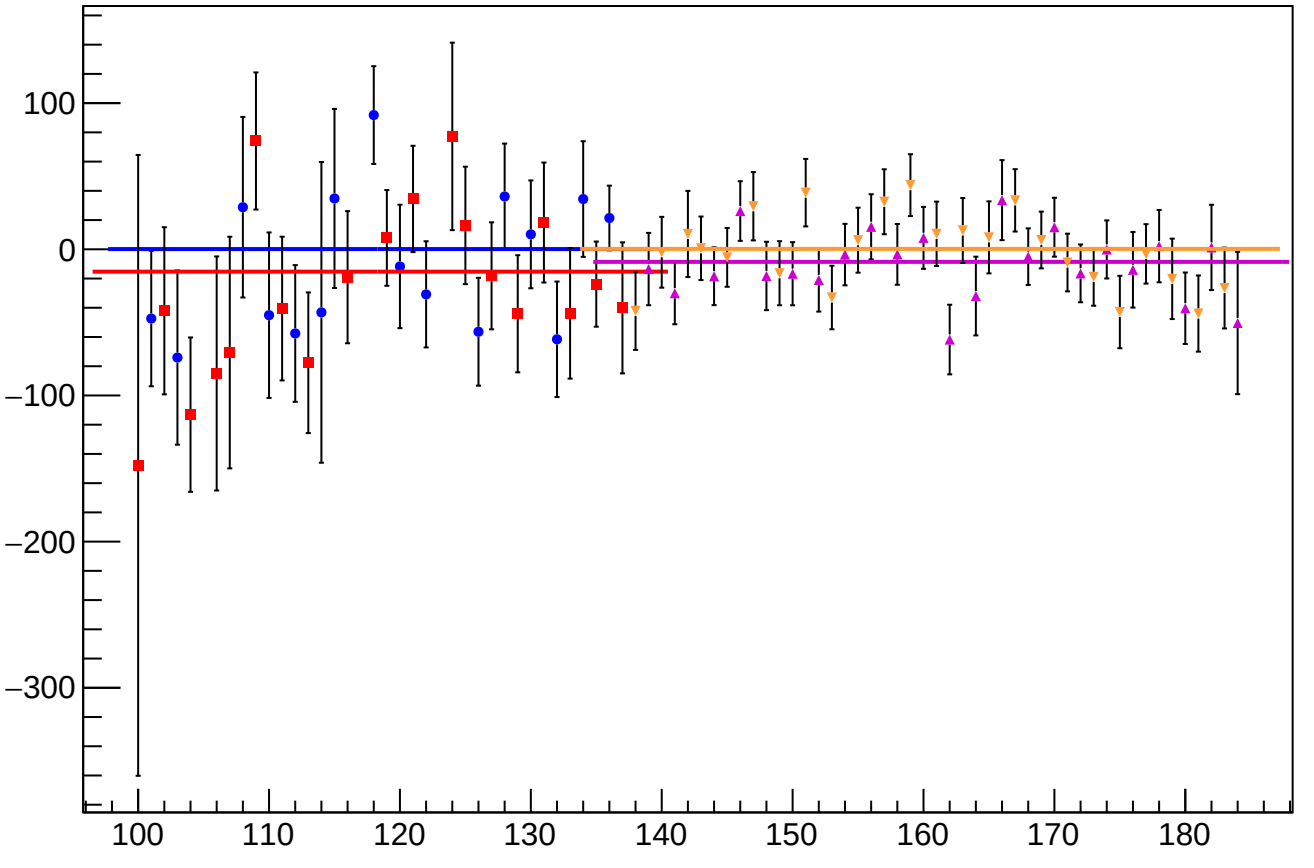
Left: 168.158+/-0.020 χ^2/NDF: 2944913.4/46

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 182.285+/-0.027 χ^2/NDF:5706319.1/38

Out: 183.262+/-0.027 χ^2/NDF:6212747.6/42

All: 182.779+/-0.019 χ^2/NDF: 11919721.3/81



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: -8.600+/-4.724 χ^2/NDF:19.4/22

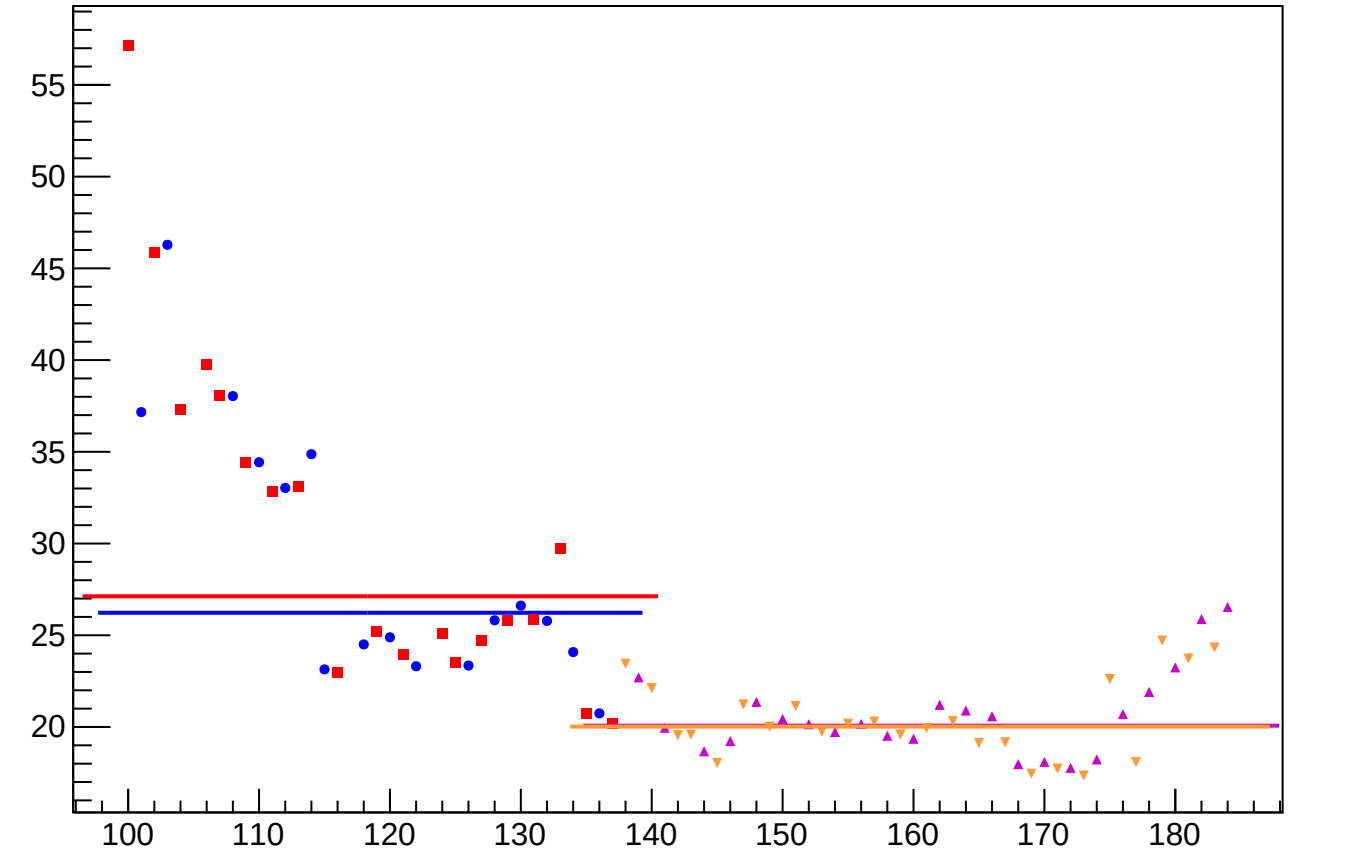
Left: -4.060+/-3.302 χ^2/NDF: 49.4/46

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -7.015+/-4.275 χ^2/NDF:41.3/38

Out: -2.340+/-4.211 χ^2/NDF:48.0/42

All: -4.643+/-3.000 χ^2/NDF: 90.0/81



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: 20.072+/-0.003 χ^2/NDF:301705.2/22

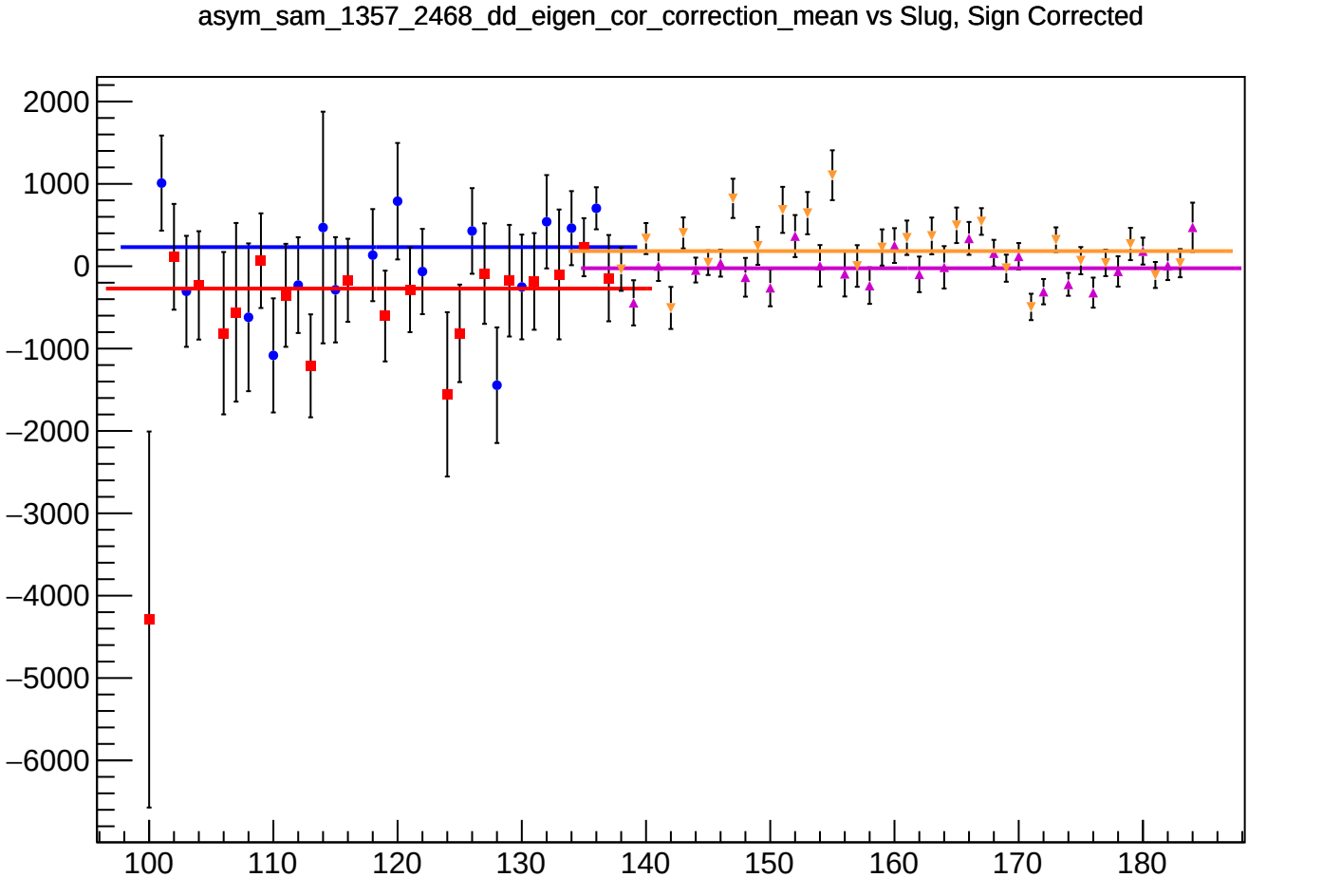
Left: 20.046+/-0.002 χ^2/NDF: 674427.6/46

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

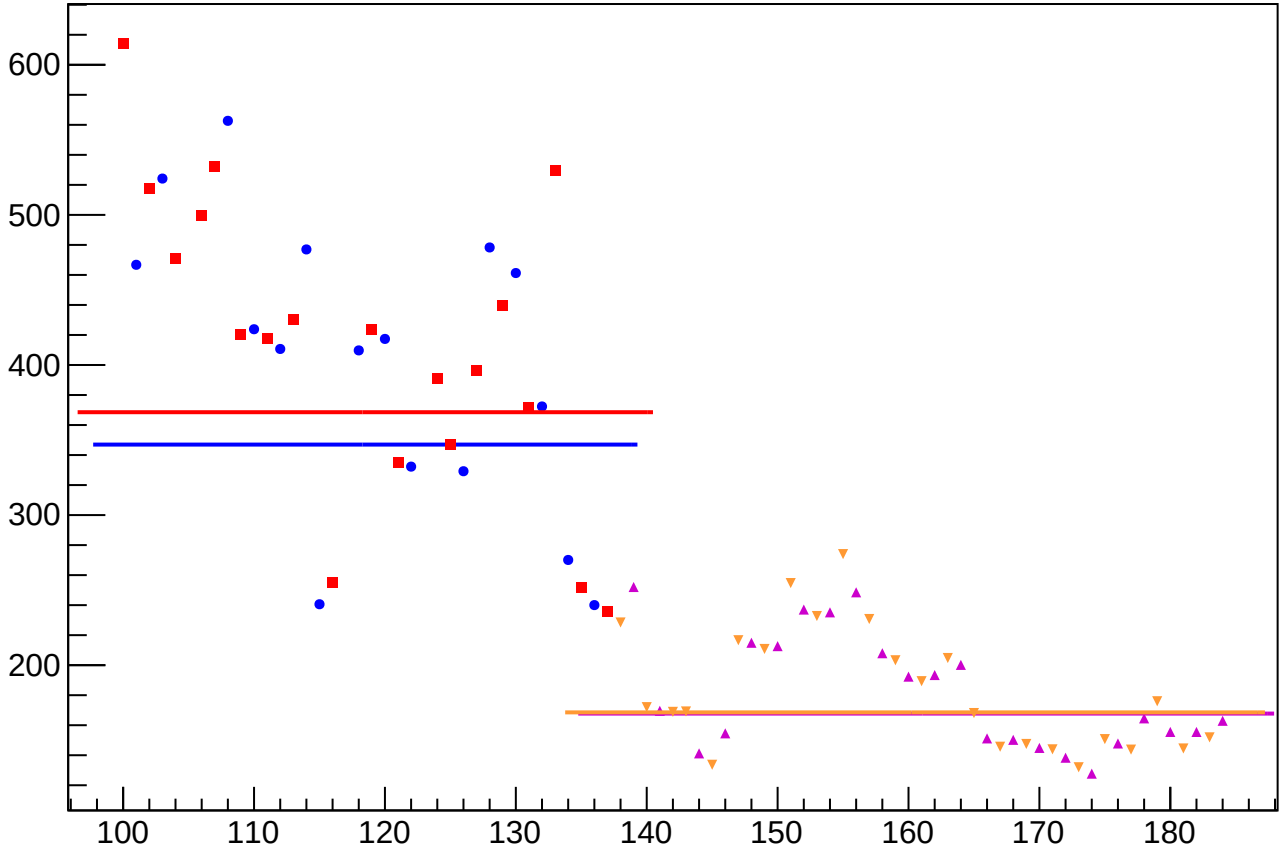
In: 21.186+/-0.003 χ^2/NDF:1592297.6/38

Out: 21.215+/-0.003 χ^2/NDF:1914124.7/42

All: 21.201+/-0.002 χ^2/NDF: 3506469.2/81


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
170
180
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 183.908+/-39.494 χ²/NDF:68.8/23
Right Out: -271.412+/-140.183 χ²/NDF: 11.6/18
Left In: -24.590+/-40.070 χ²/NDF:26.9/22
Left: 81.170+/-28.128 χ²/NDF: 109.4/46
Right: -9.945+/-97.192 χ²/NDF: 38.0/34
In: -3.771+/-38.411 χ²/NDF:49.9/38
Out: 150.426+/-38.014 χ²/NDF:90.2/42
All: 74.129+/-27.019 χ²/NDF: 148.2/81

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: 167.748+/-0.028 χ^2/NDF:1403120.1/22

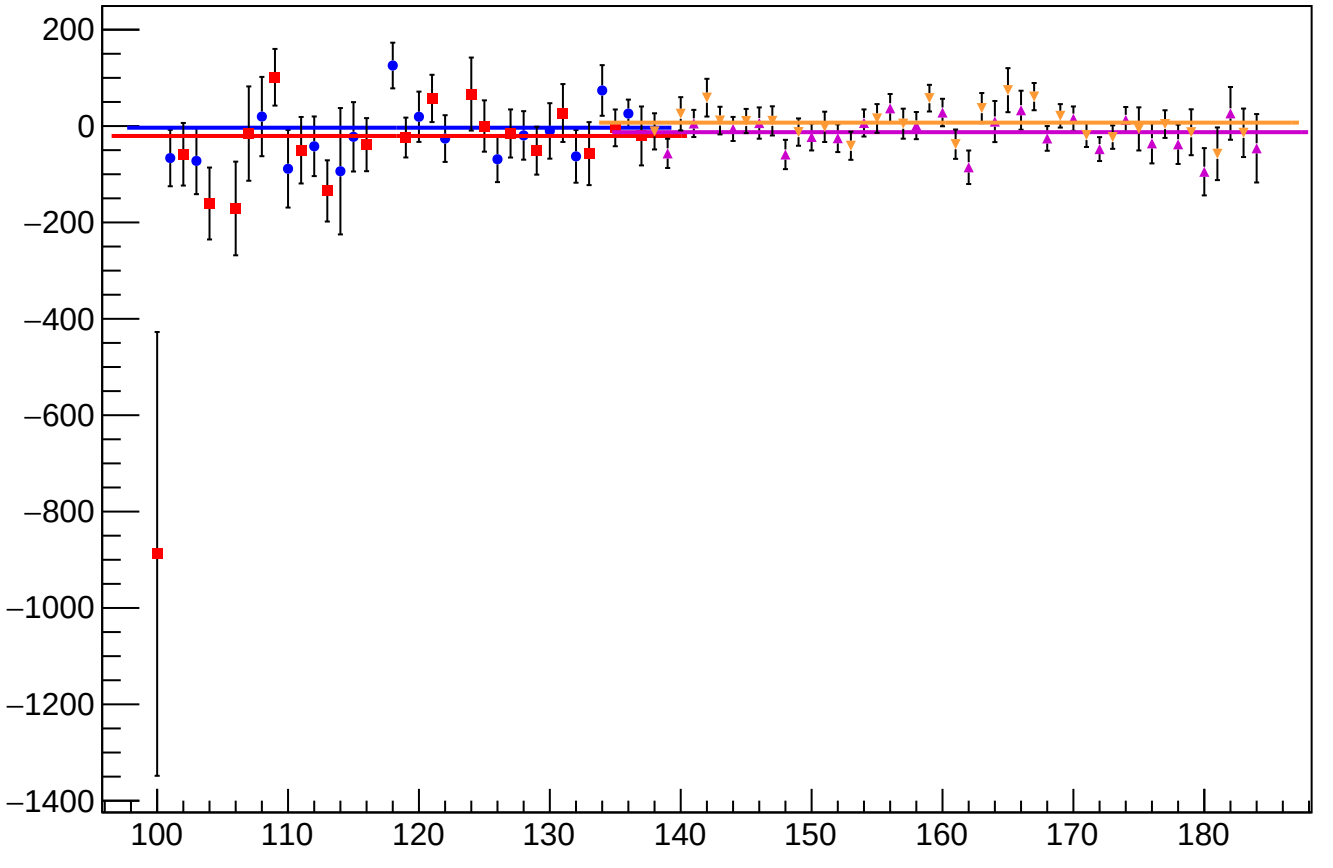
Left: 168.158+/-0.020 χ^2/NDF: 2944913.4/46

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 182.285+/-0.027 χ^2/NDF:5706319.1/38

Out: 183.262+/-0.027 χ^2/NDF:6212747.6/42

All: 182.779+/-0.019 χ^2/NDF: 11919721.3/81



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: -12.697+/-6.513 χ^2/NDF:25.6/22

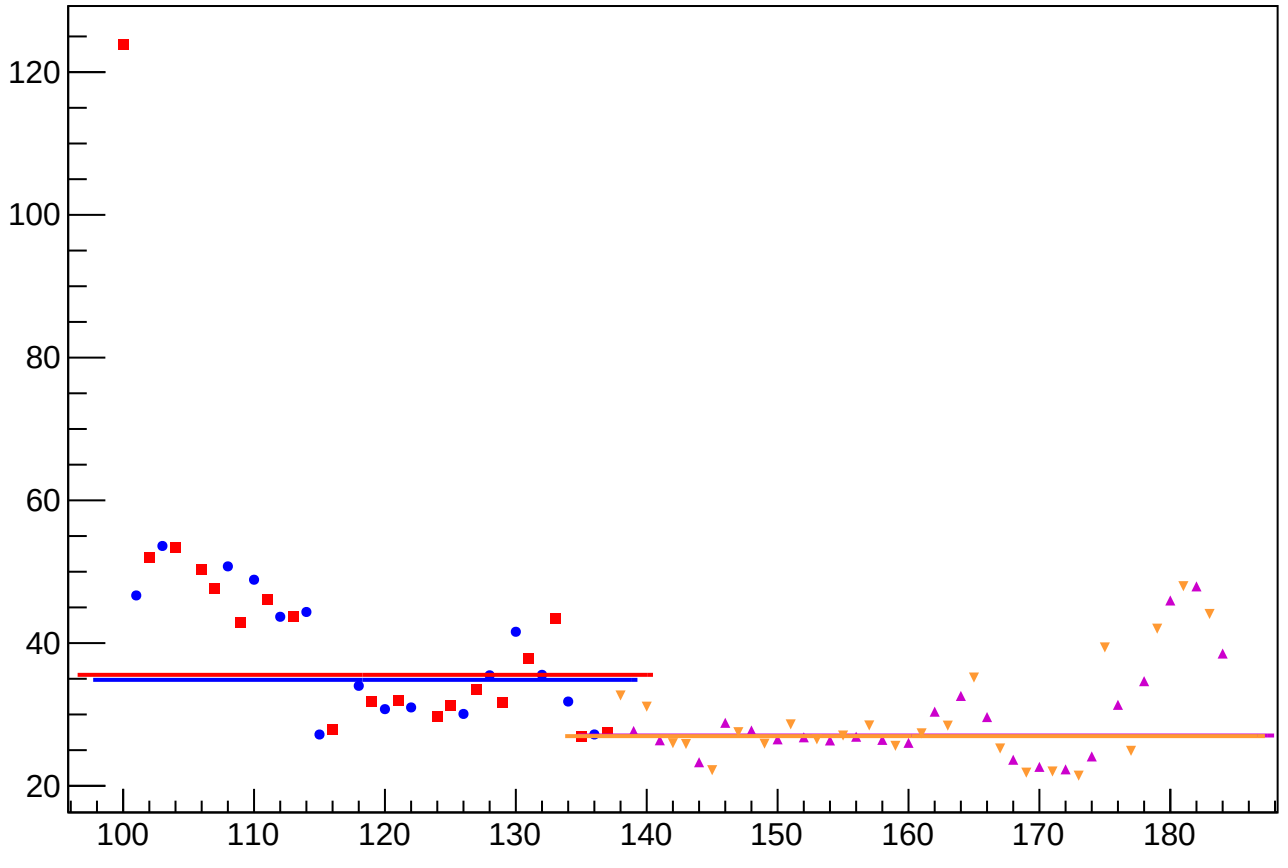
Left: -2.564+/-4.551 χ^2/NDF: 53.1/46

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -10.923+/-5.857 χ^2/NDF:44.5/38

Out: 2.059+/-5.753 χ^2/NDF:49.3/42

All: -4.315+/-4.104 χ^2/NDF: 96.3/81



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: 27.052+/-0.005 χ^2/NDF:1044359.4/22

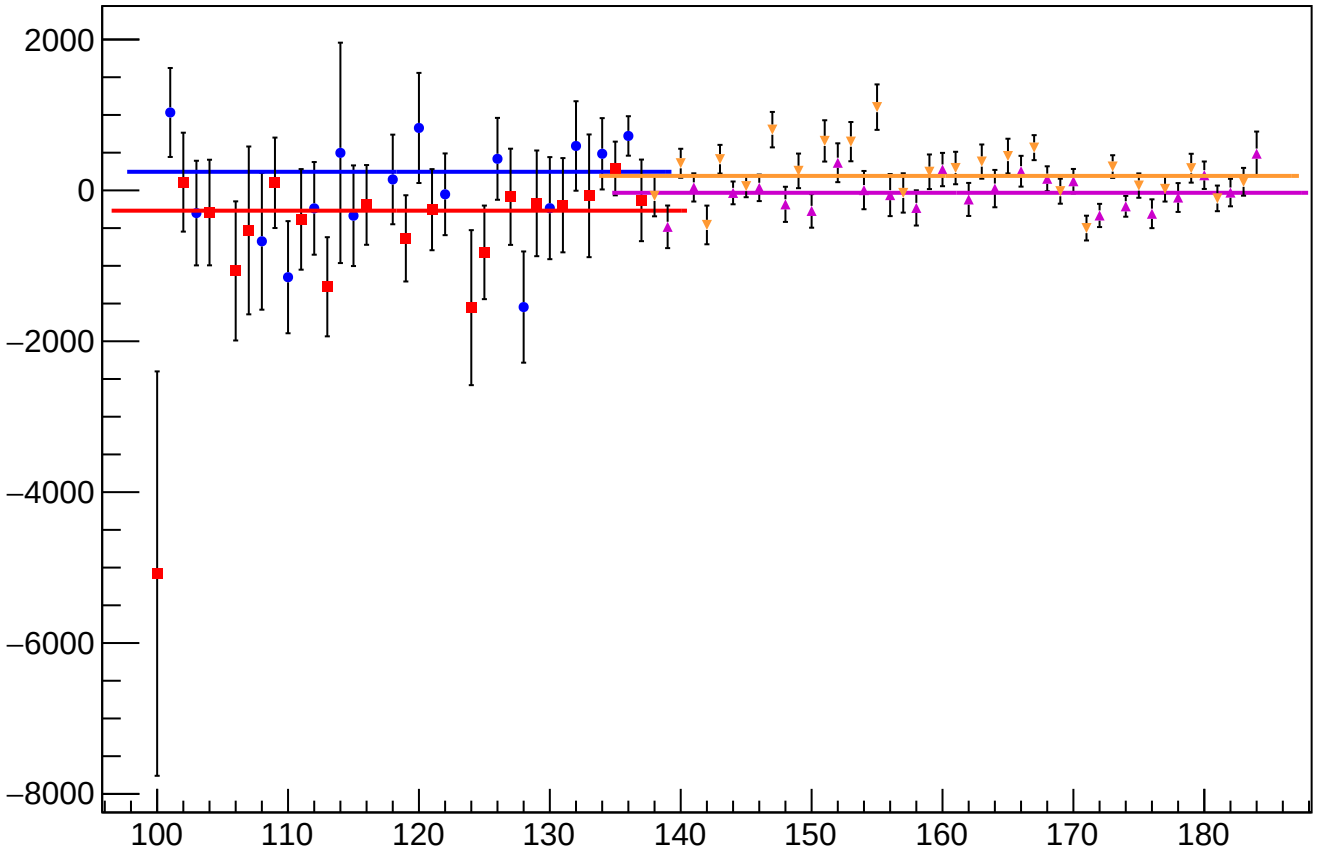
Left: 27.007+/-0.003 χ^2/NDF: 2454360.9/46

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 28.544+/-0.004 χ^2/NDF:2250919.5/38

Out: 28.530+/-0.004 χ^2/NDF:2854074.1/42

All: 28.537+/-0.003 χ^2/NDF: 5104999.1/81



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: -31.891+/-40.975 χ^2/NDF:26.4/22

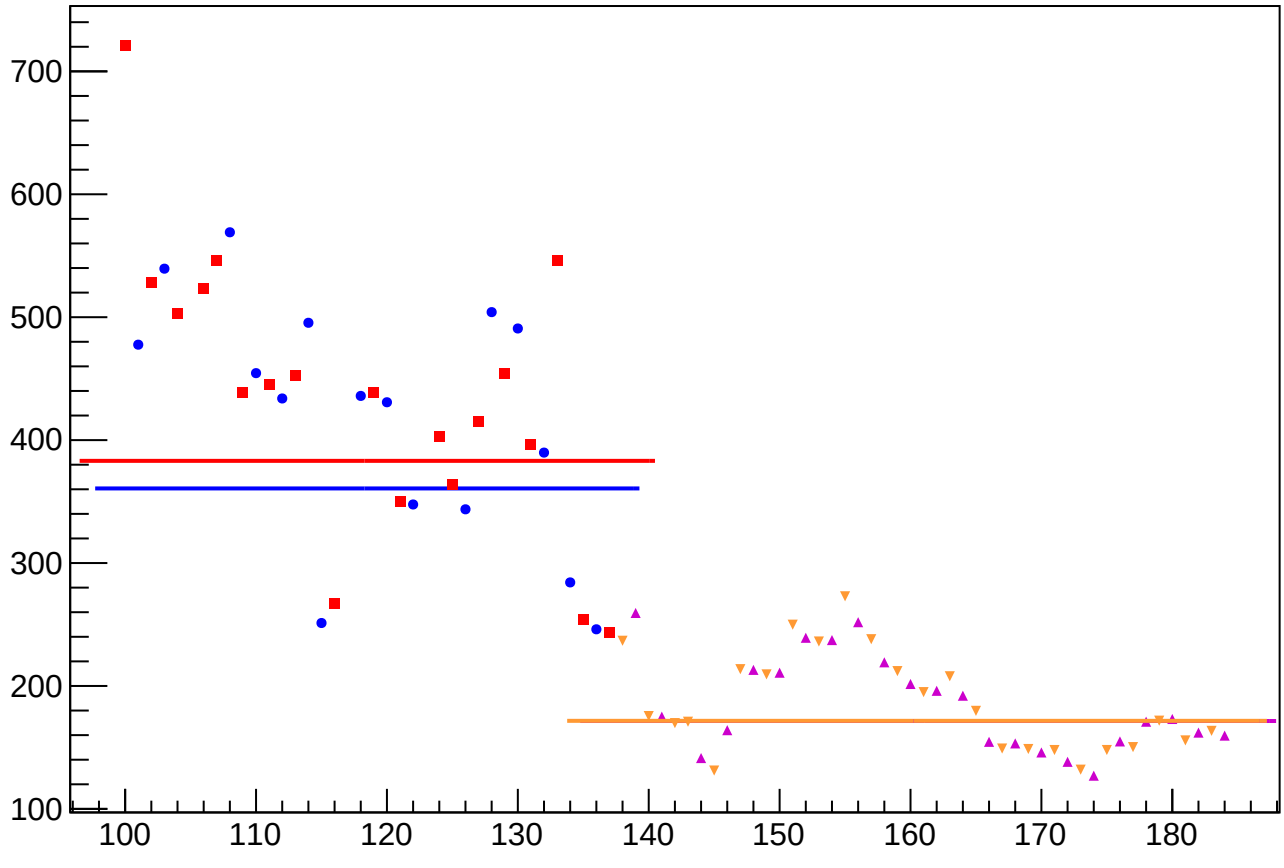
Left: 82.317+/-28.681 χ^2/NDF: 107.2/46

Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: -10.004+/-39.331 χ^2/NDF:49.8/38

Out: 159.312+/-38.708 χ^2/NDF:87.6/42

All: 76.005+/-27.589 χ^2/NDF: 146.8/81



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: 171.490+/-0.029 χ^2/NDF:1415769.4/22

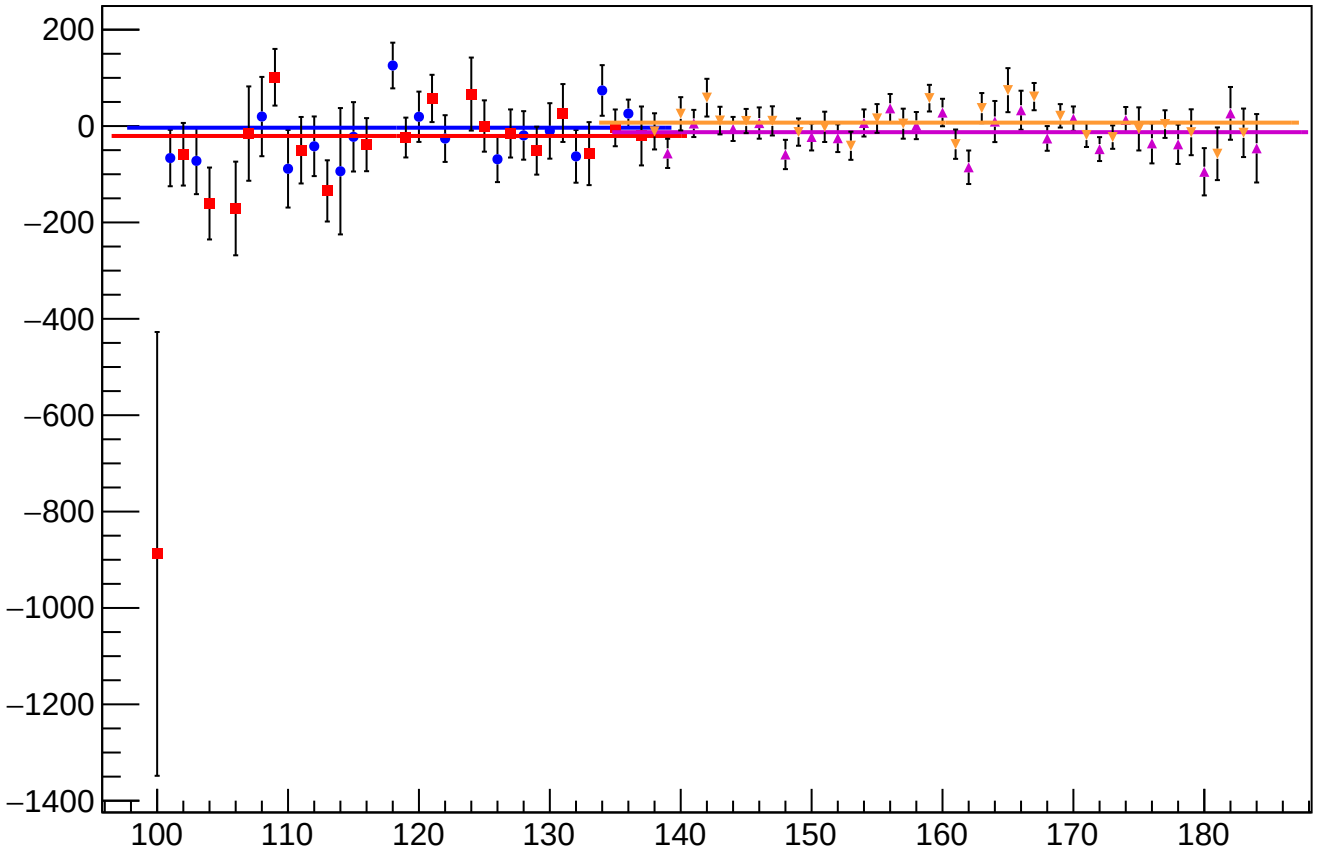
Left: 171.563+/-0.020 χ^2/NDF: 2939360.3/46

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 186.364+/-0.028 χ^2/NDF:5860996.3/38

Out: 186.645+/-0.027 χ^2/NDF:6423699.2/42

All: 186.507+/-0.020 χ^2/NDF: 12284747.3/81



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: -12.697+/-6.513 χ^2/NDF:25.6/22

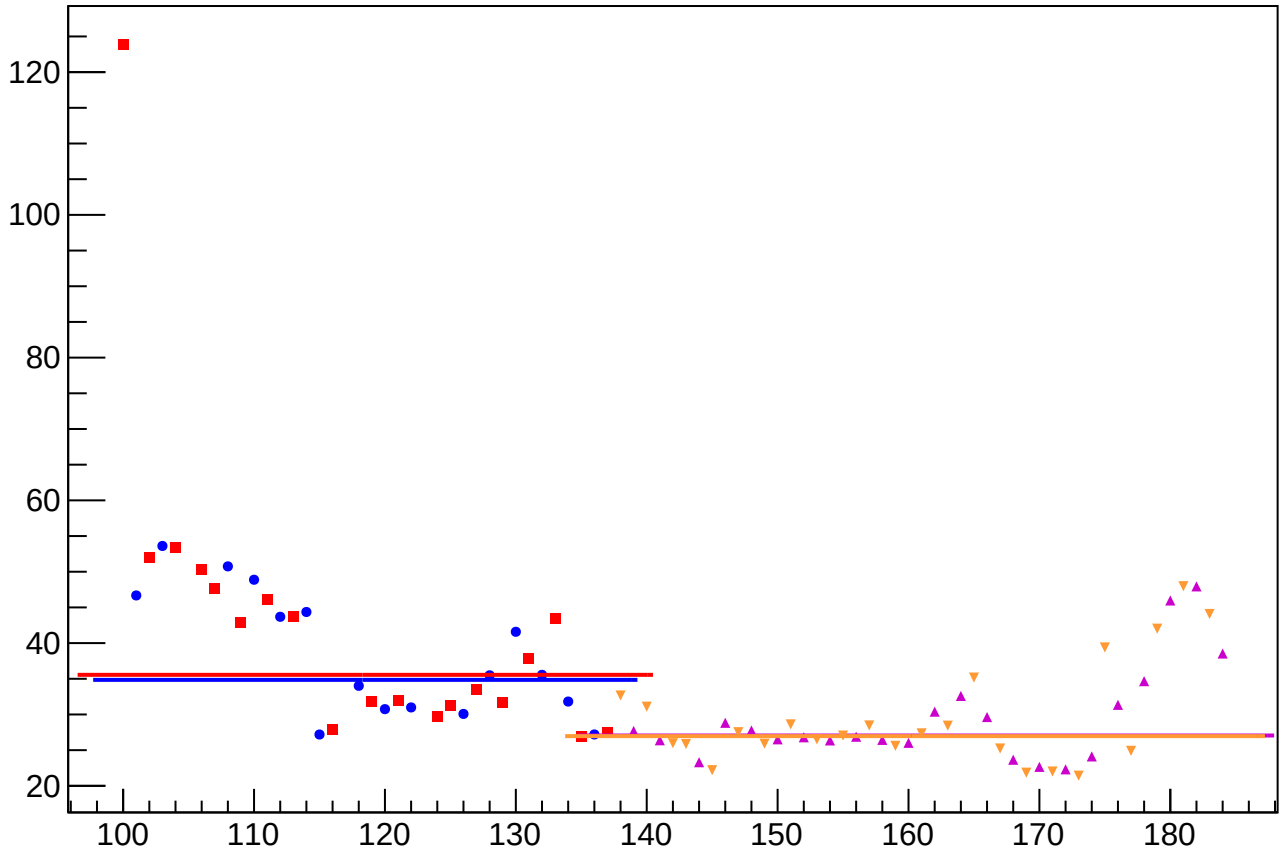
Left: -2.564+/-4.551 χ^2/NDF: 53.1/46

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -10.923+/-5.857 χ^2/NDF:44.5/38

Out: 2.059+/-5.753 χ^2/NDF:49.3/42

All: -4.316+/-4.104 χ^2/NDF: 96.3/81



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: 27.052+/-0.005 χ^2/NDF:1044338.2/22

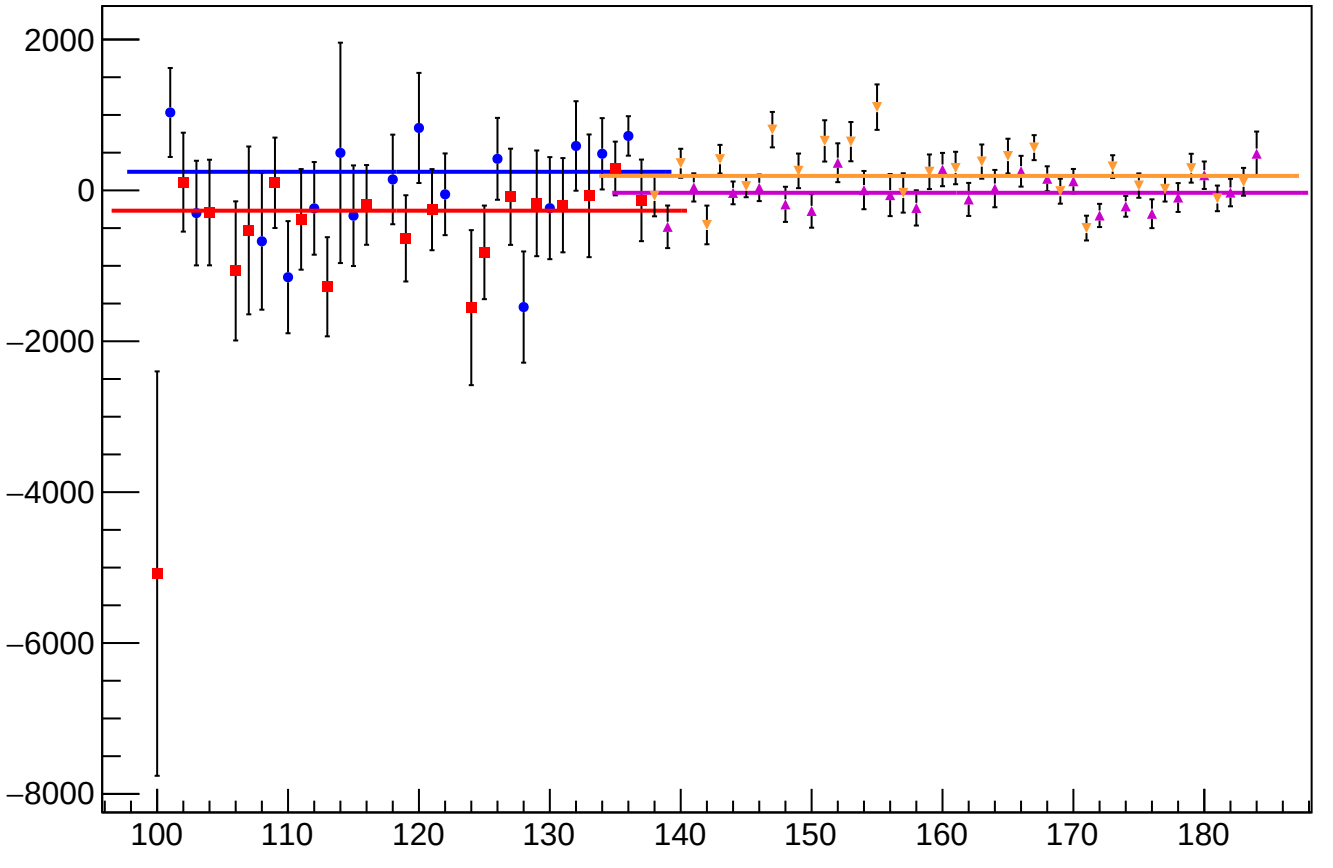
Left: 27.007+/-0.003 χ^2/NDF: 2454351.7/46

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 28.544+/-0.004 χ^2/NDF:2250780.9/38

Out: 28.530+/-0.004 χ^2/NDF:2853991.6/42

All: 28.537+/-0.003 χ^2/NDF: 5104778.0/81



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: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 82.317+/-28.681 χ^2/NDF: 107.2/46

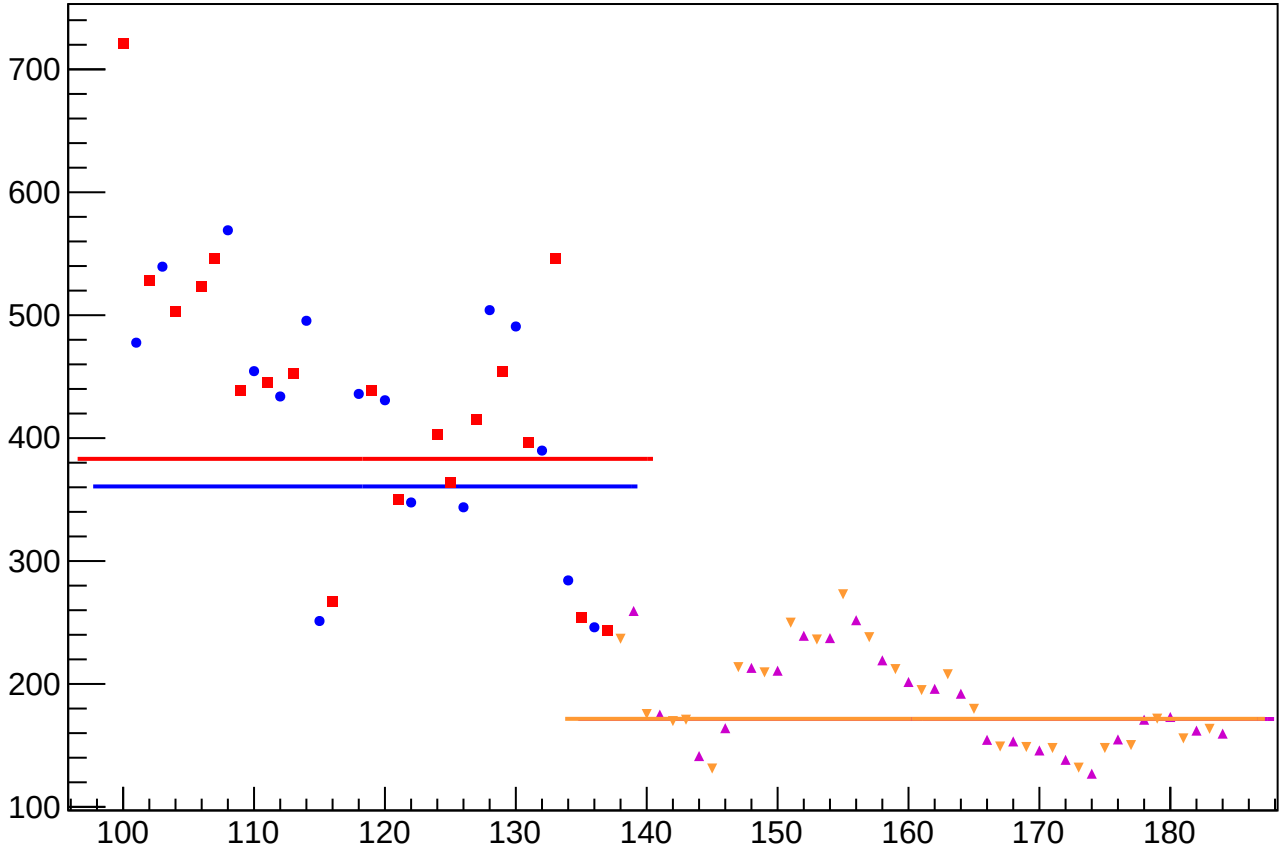
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: -10.004+/-39.331 χ^2/NDF:49.8/38

Out: 159.311+/-38.708 χ^2/NDF:87.6/42

All: 76.005+/-27.588 χ^2/NDF: 146.8/81

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: 171.489+/-0.029 χ^2/NDF:1415782.1/22

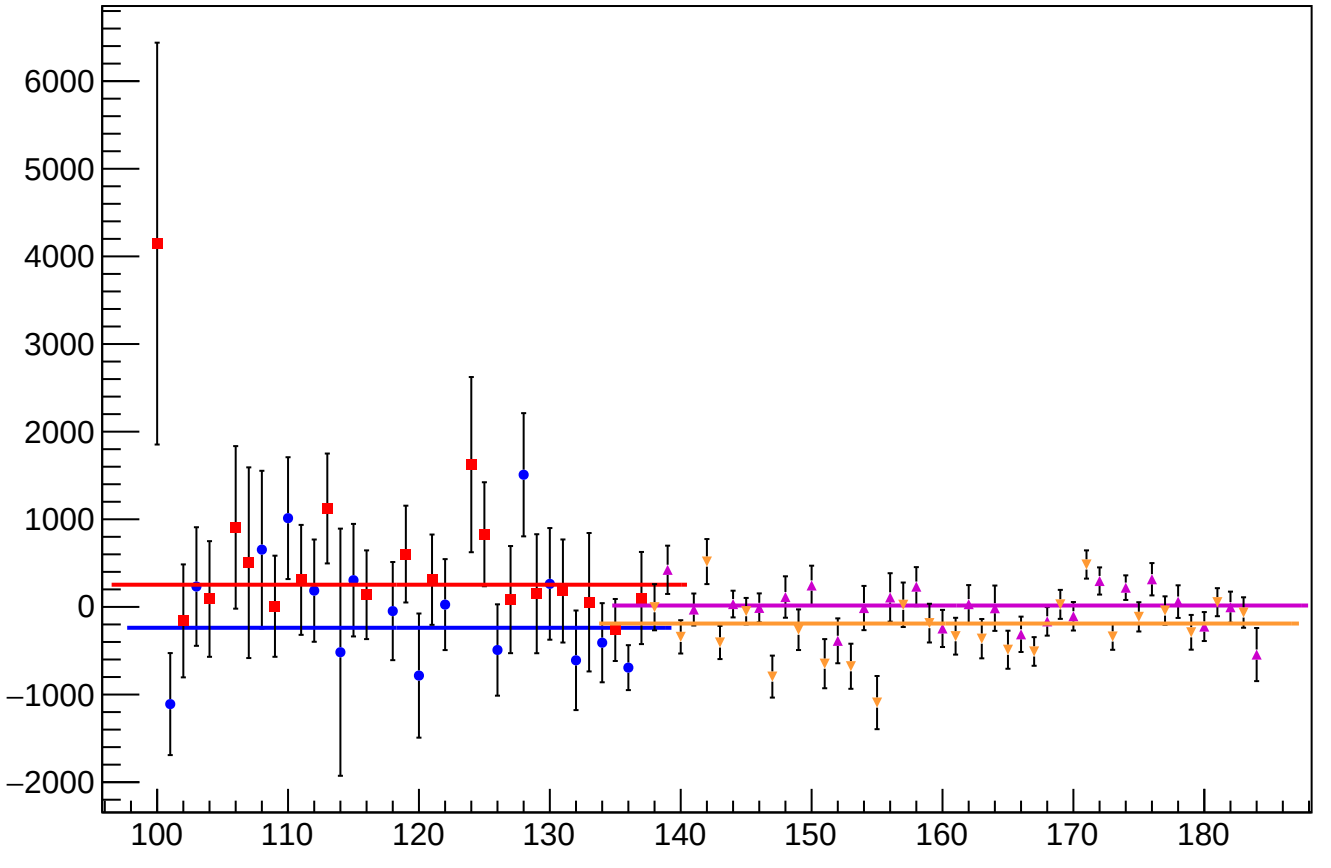
Left: 171.563+/-0.020 χ^2/NDF: 2939390.1/46

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 186.364+/-0.028 χ^2/NDF:5861010.9/38

Out: 186.644+/-0.027 χ^2/NDF:6423719.6/42

All: 186.506+/-0.020 χ^2/NDF: 12284782.3/81



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: 16.057+/-40.396 χ^2/NDF:26.6/22

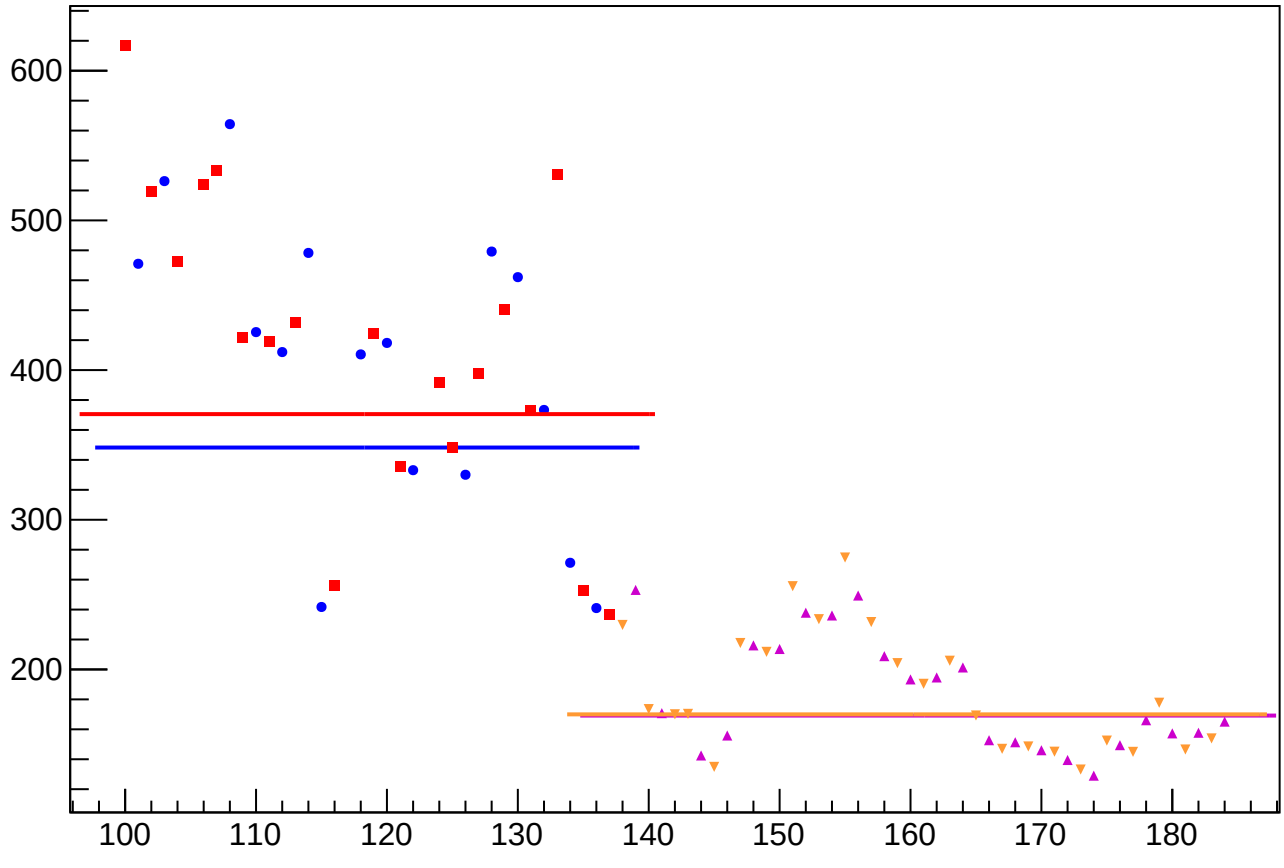
Left: -88.336+/-28.355 χ^2/NDF: 104.0/46

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -4.726+/-38.709 χ^2/NDF:49.8/38

Out: -156.753+/-38.302 χ^2/NDF:85.2/42

All: -81.544+/-27.226 χ^2/NDF: 142.7/81



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: 169.187+/-0.029 χ^2/NDF:1374439.5/22

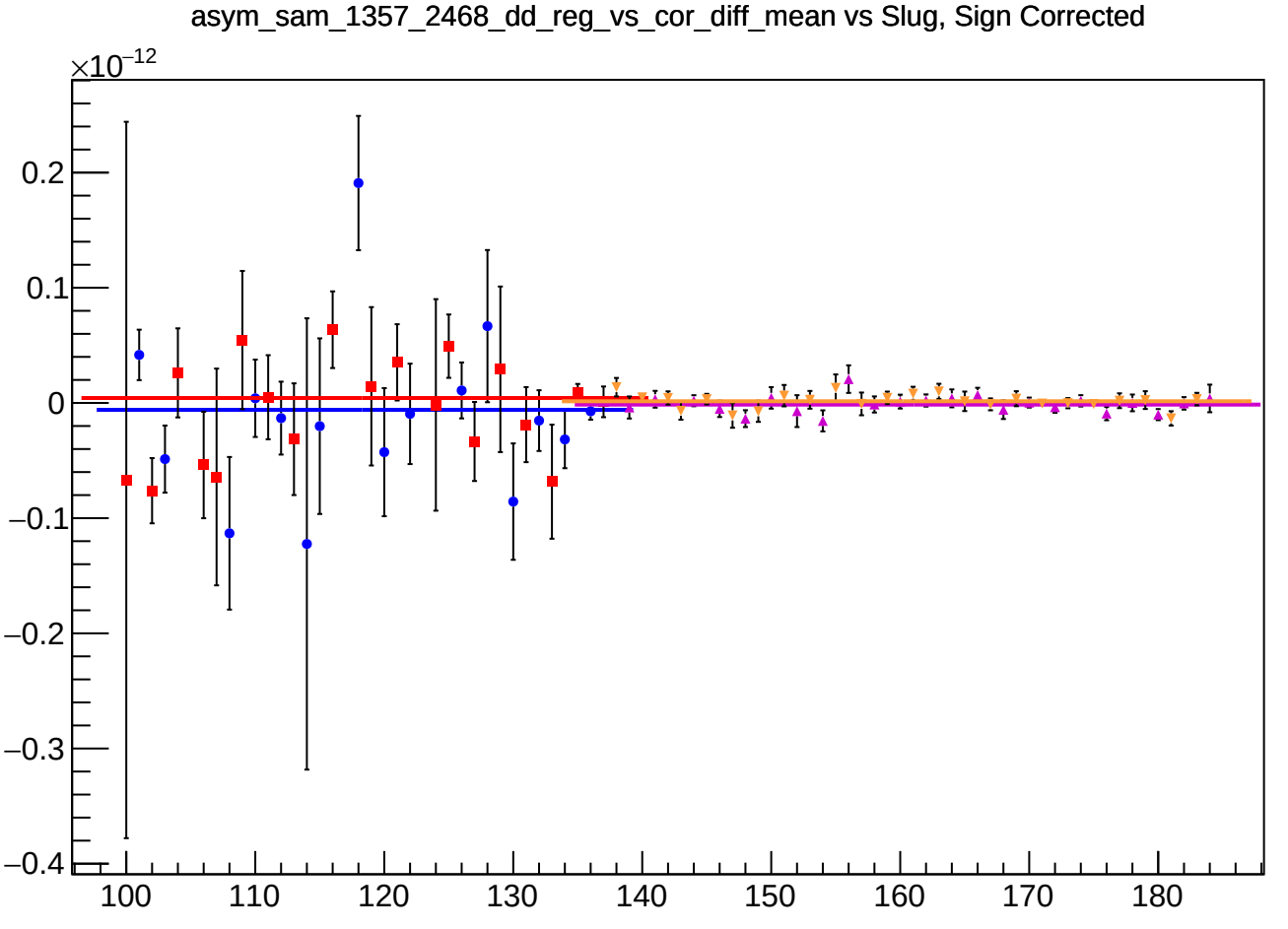
Left: 169.594+/-0.020 χ^2/NDF: 2885713.8/46

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 183.833+/-0.027 χ^2/NDF:5645555.5/38

Out: 184.916+/-0.027 χ^2/NDF:6206860.9/42

All: 184.380+/-0.019 χ^2/NDF: 11853207.1/81



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:19.7/22

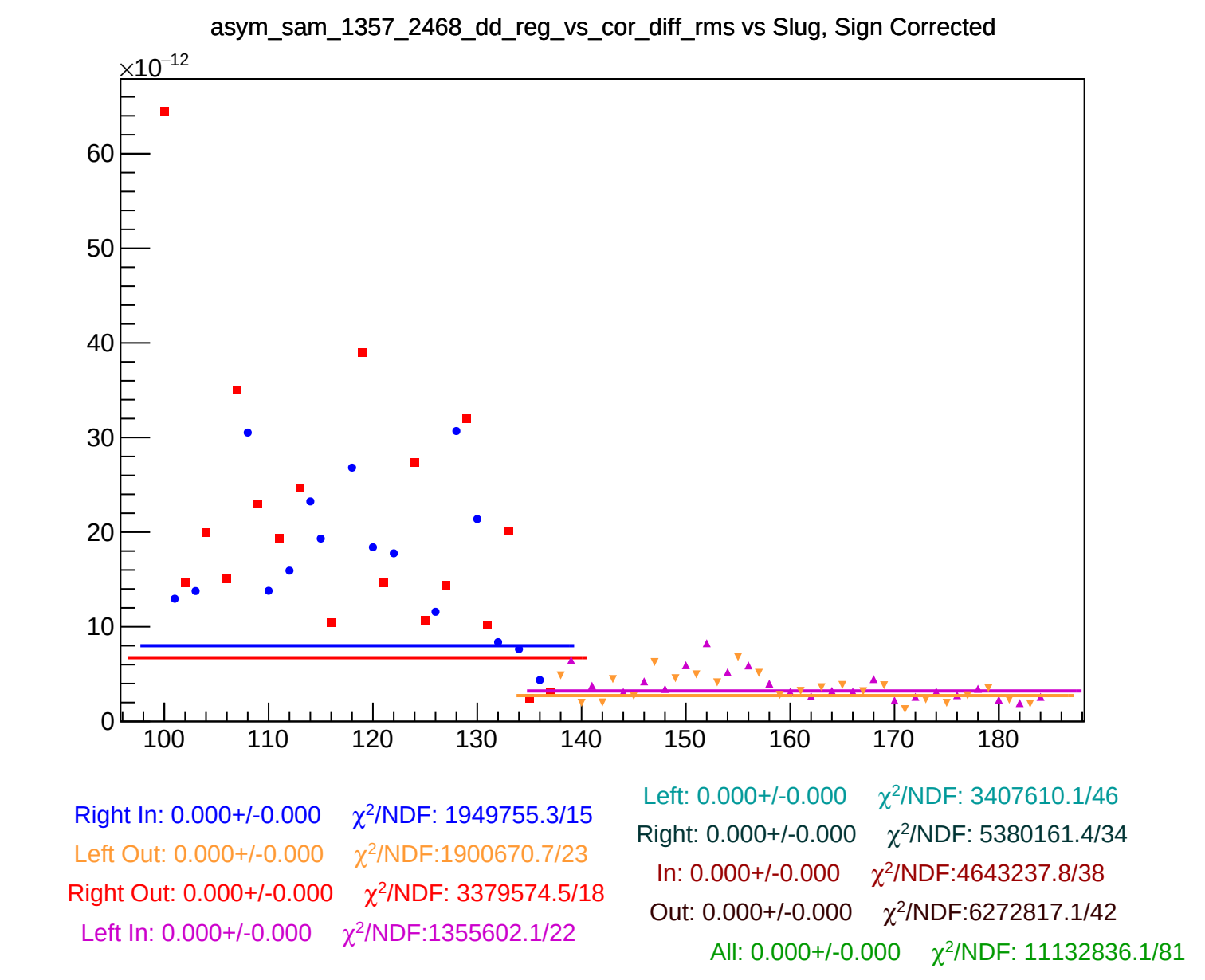
Left: 0.000+/-0.000 χ^2/NDF: 40.9/46

Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

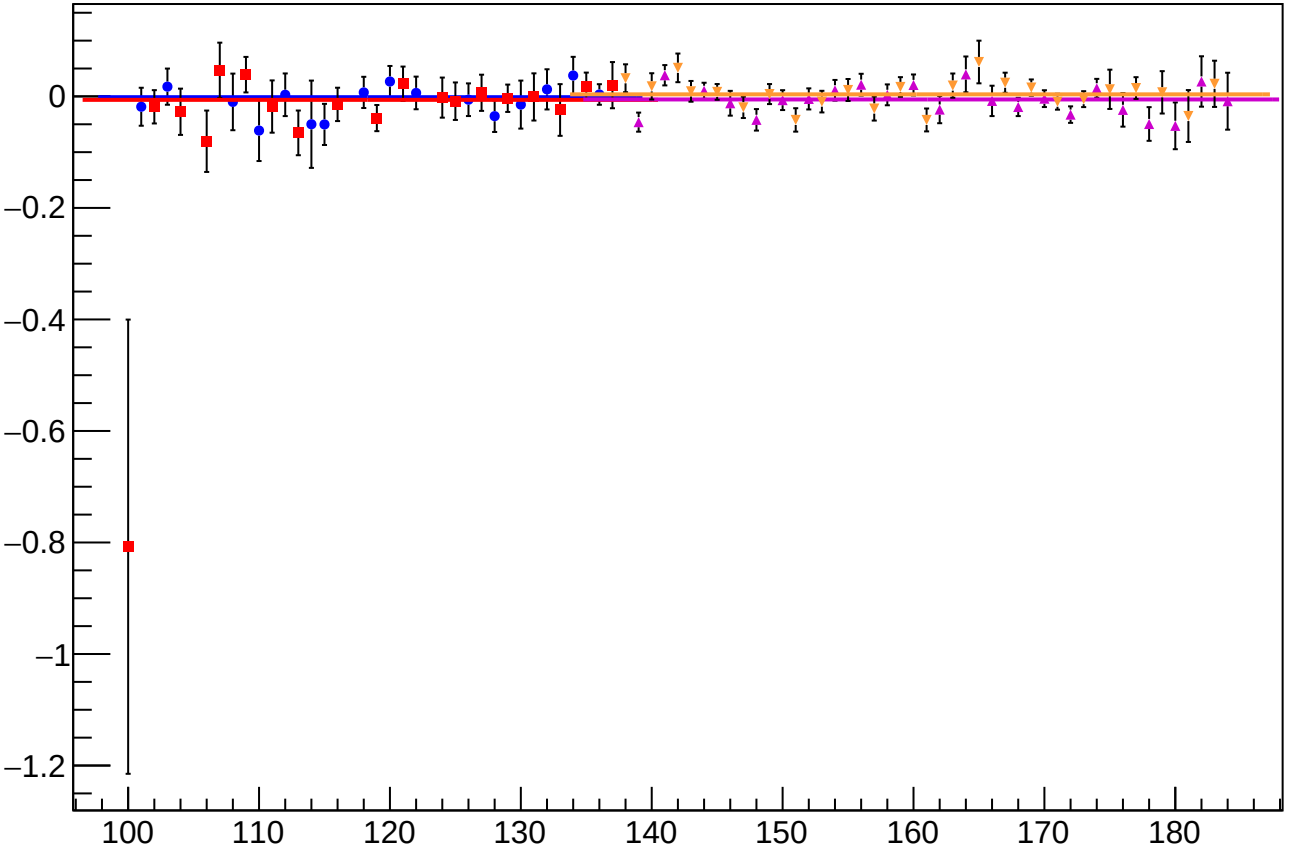
In: -0.000+/-0.000 χ^2/NDF:47.5/38

Out: 0.000+/-0.000 χ^2/NDF:41.8/42

All: 0.000+/-0.000 χ^2/NDF: 92.9/81


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1900670.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:1355602.1/22
Left: 0.000+/-0.000 χ²/NDF: 3407610.1/46
Right: 0.000+/-0.000 χ²/NDF: 5380161.4/34
In: 0.000+/-0.000 χ²/NDF:4643237.8/38
Out: 0.000+/-0.000 χ²/NDF:6272817.1/42
All: 0.000+/-0.000 χ²/NDF: 11132836.1/81

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-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:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.2/46

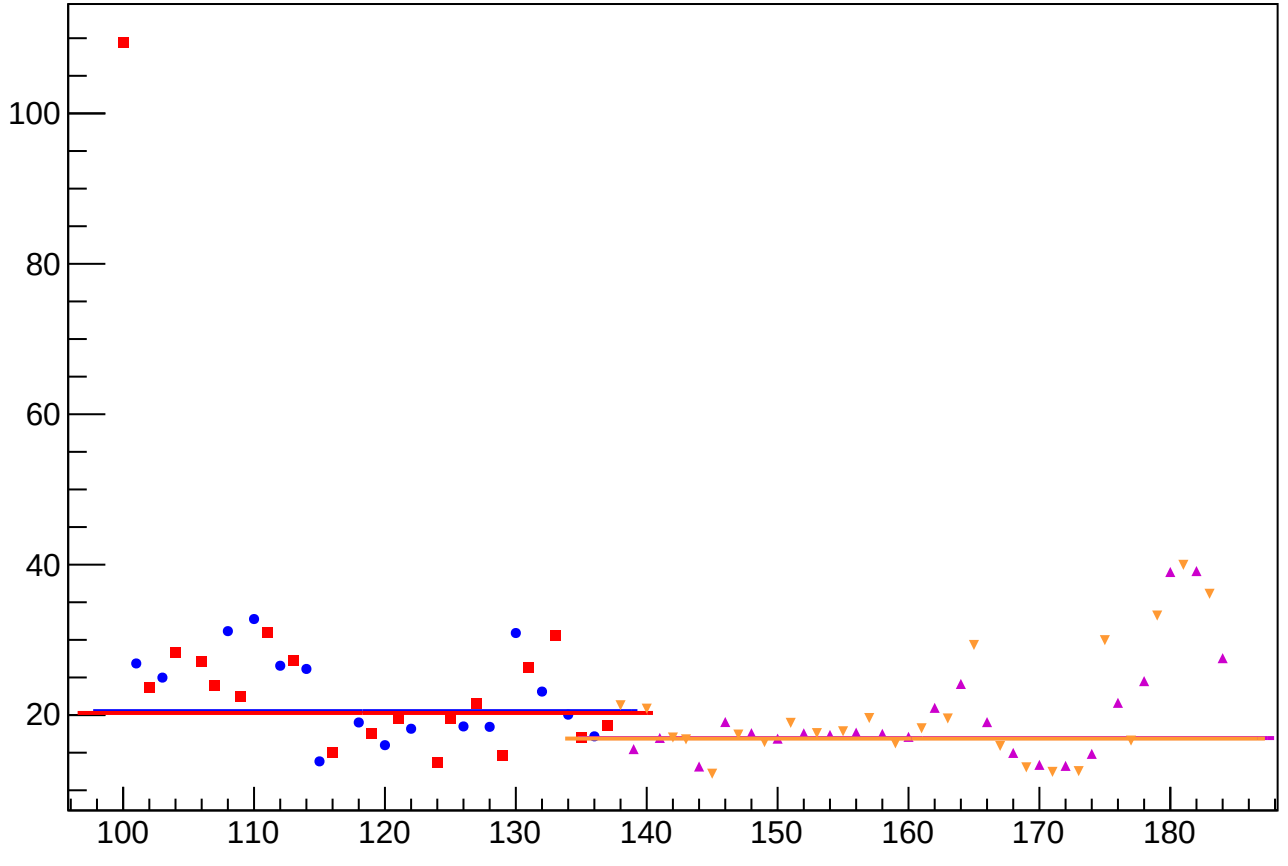
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.7/38

Out: 0.002+/-0.004 χ^2/NDF:44.0/42

All: -0.001+/-0.003 χ^2/NDF: 87.1/81

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.877+/-0.003 χ^2/NDF:2746850.1/23

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

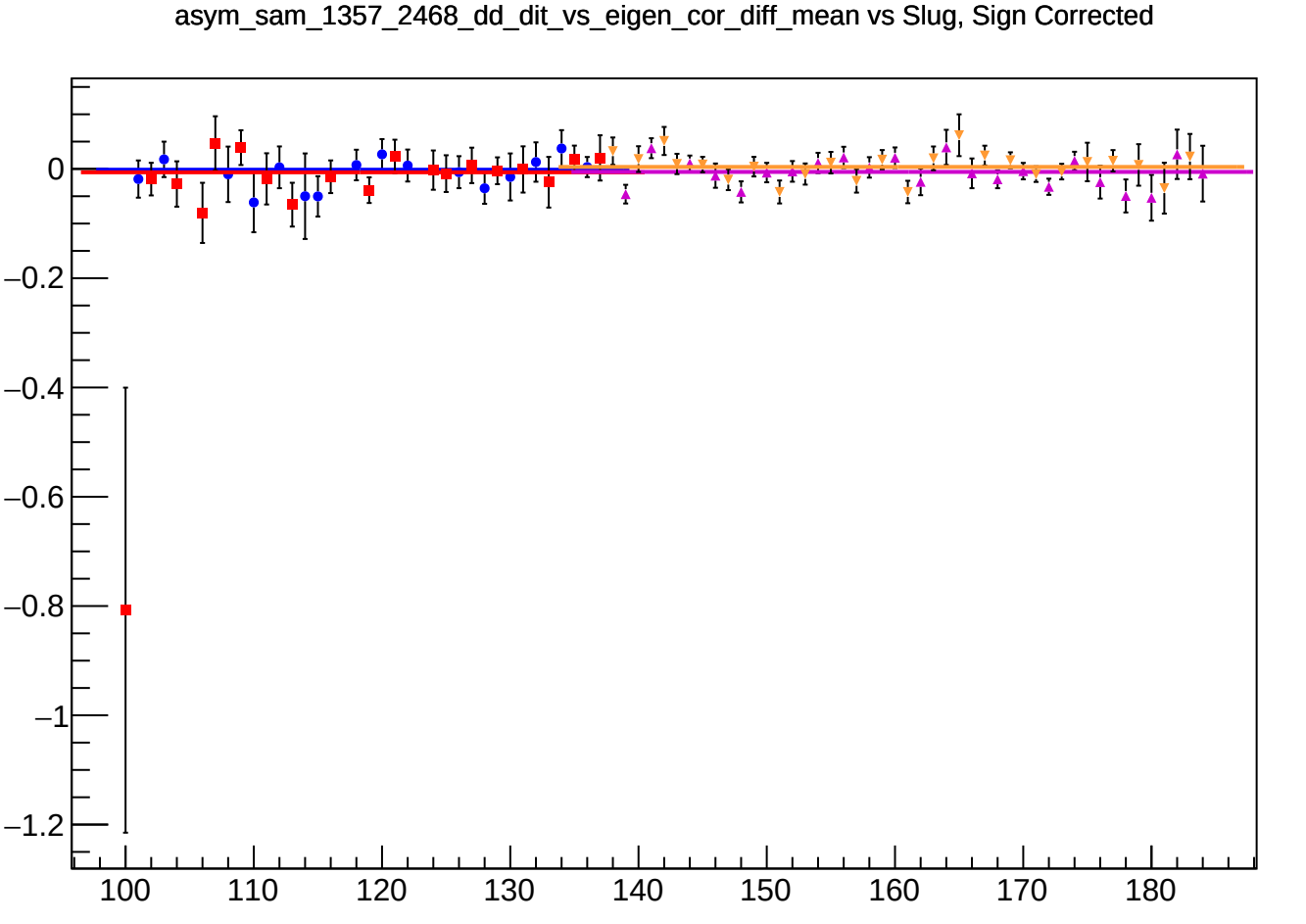
Left: 16.909+/-0.002 χ^2/NDF: 4688951.4/46

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.704+/-0.003 χ^2/NDF:2958208.4/38

Out: 17.602+/-0.003 χ^2/NDF:3904834.1/42

All: 17.652+/-0.002 χ^2/NDF: 6863824.2/81



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:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.2/46

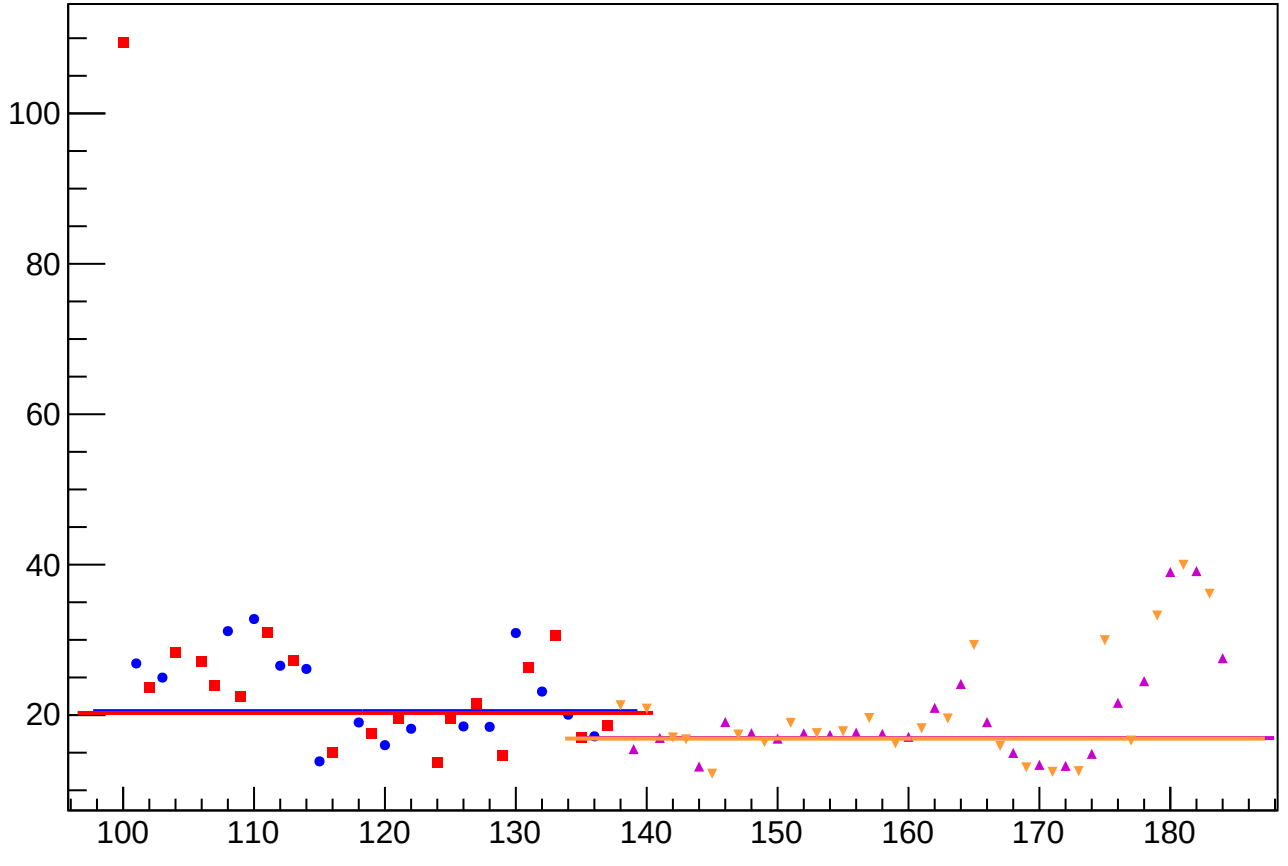
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.7/38

Out: 0.002+/-0.004 χ^2/NDF:44.0/42

All: -0.001+/-0.003 χ^2/NDF: 87.1/81

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: 16.943+/-0.003 χ^2/NDF:1941845.2/22

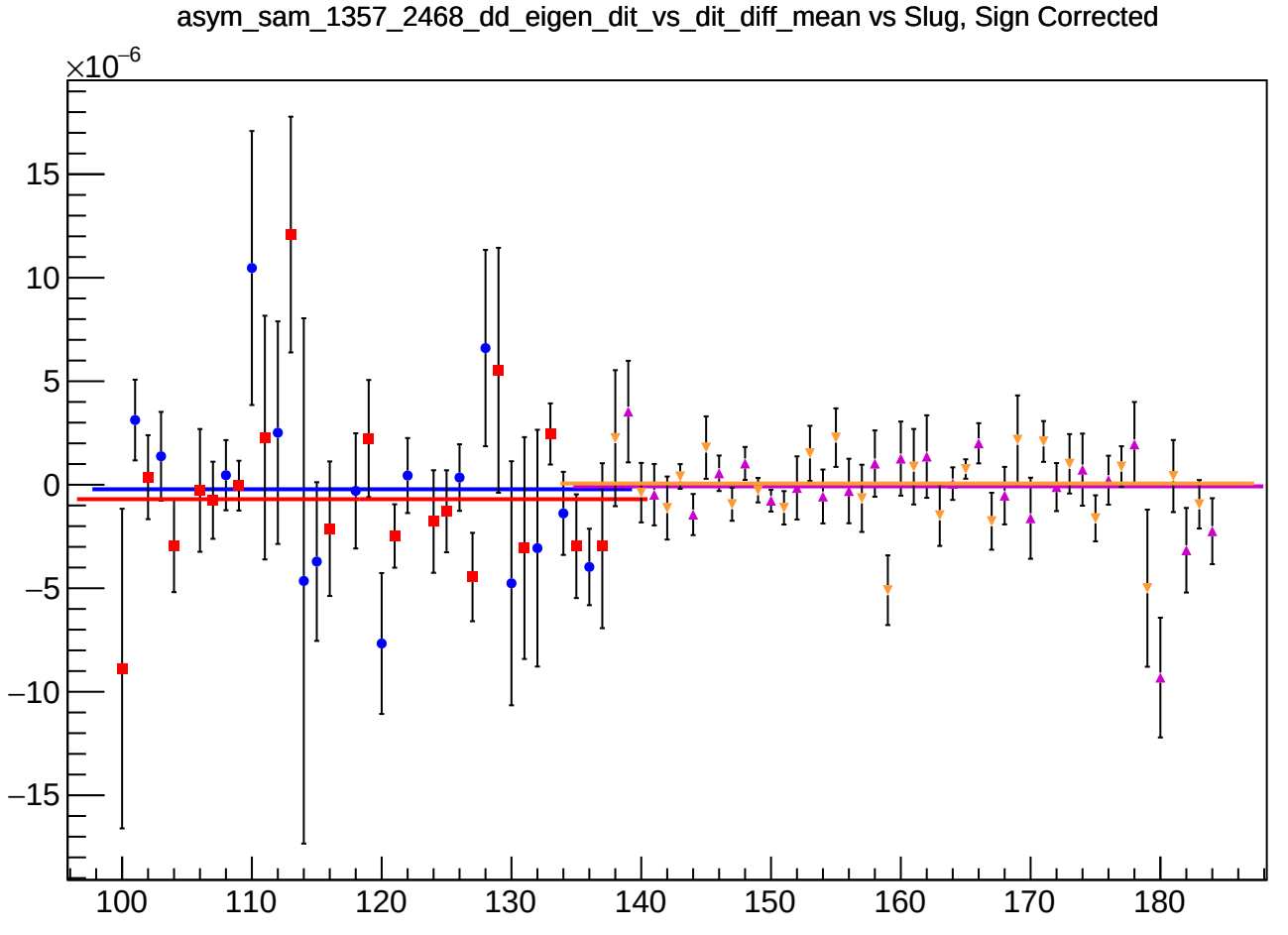
Left: 16.909+/-0.002 χ^2/NDF: 4688951.4/46

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.704+/-0.003 χ^2/NDF:2958208.4/38

Out: 17.602+/-0.003 χ^2/NDF:3904834.1/42

All: 17.652+/-0.002 χ^2/NDF: 6863824.2/81



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:31.0/22

Left: 0.000+/-0.000 χ^2/NDF: 67.6/46

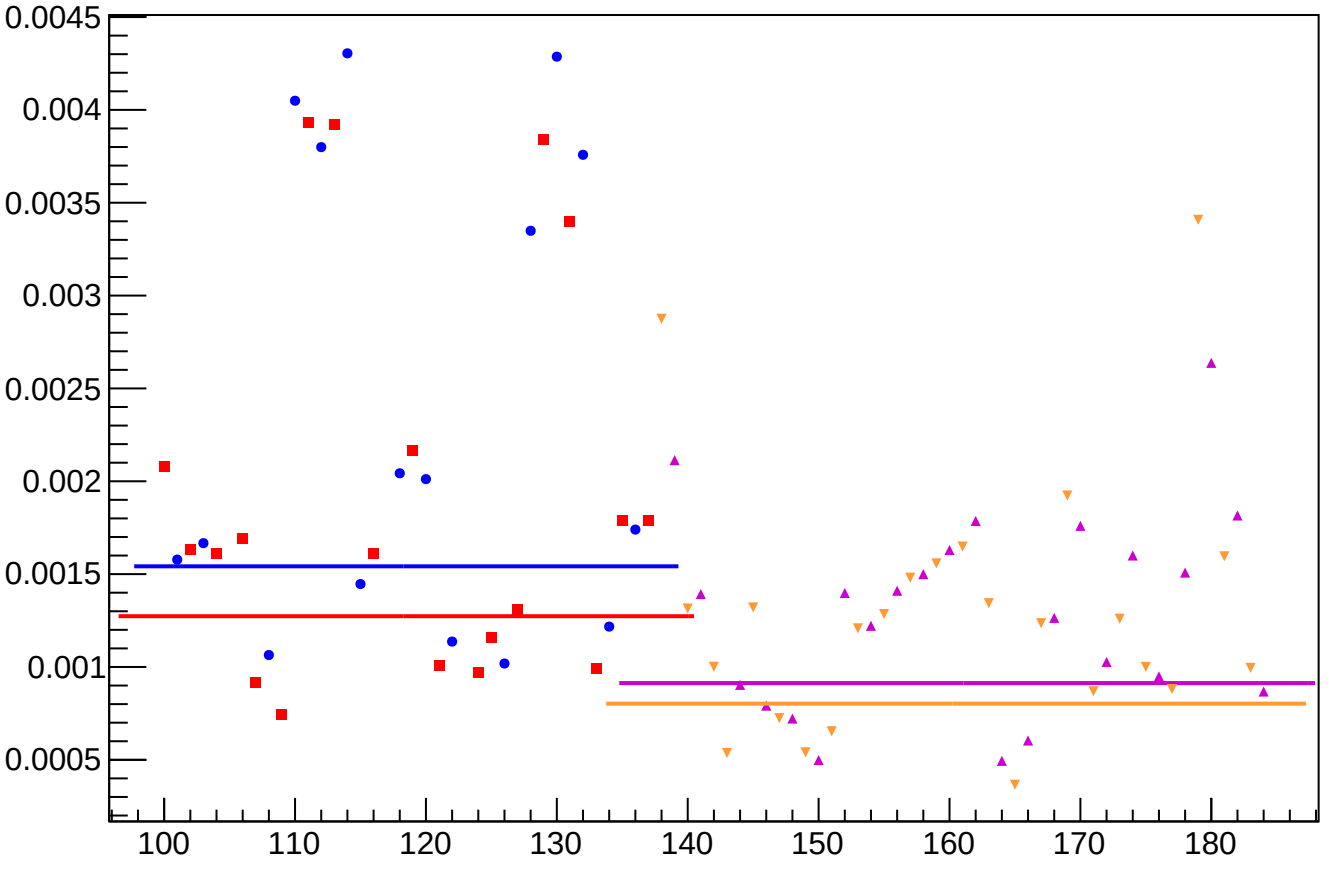
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:50.9/38

Out: -0.000+/-0.000 χ^2/NDF:59.3/42

All: -0.000+/-0.000 χ^2/NDF: 110.2/81

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:8252990.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

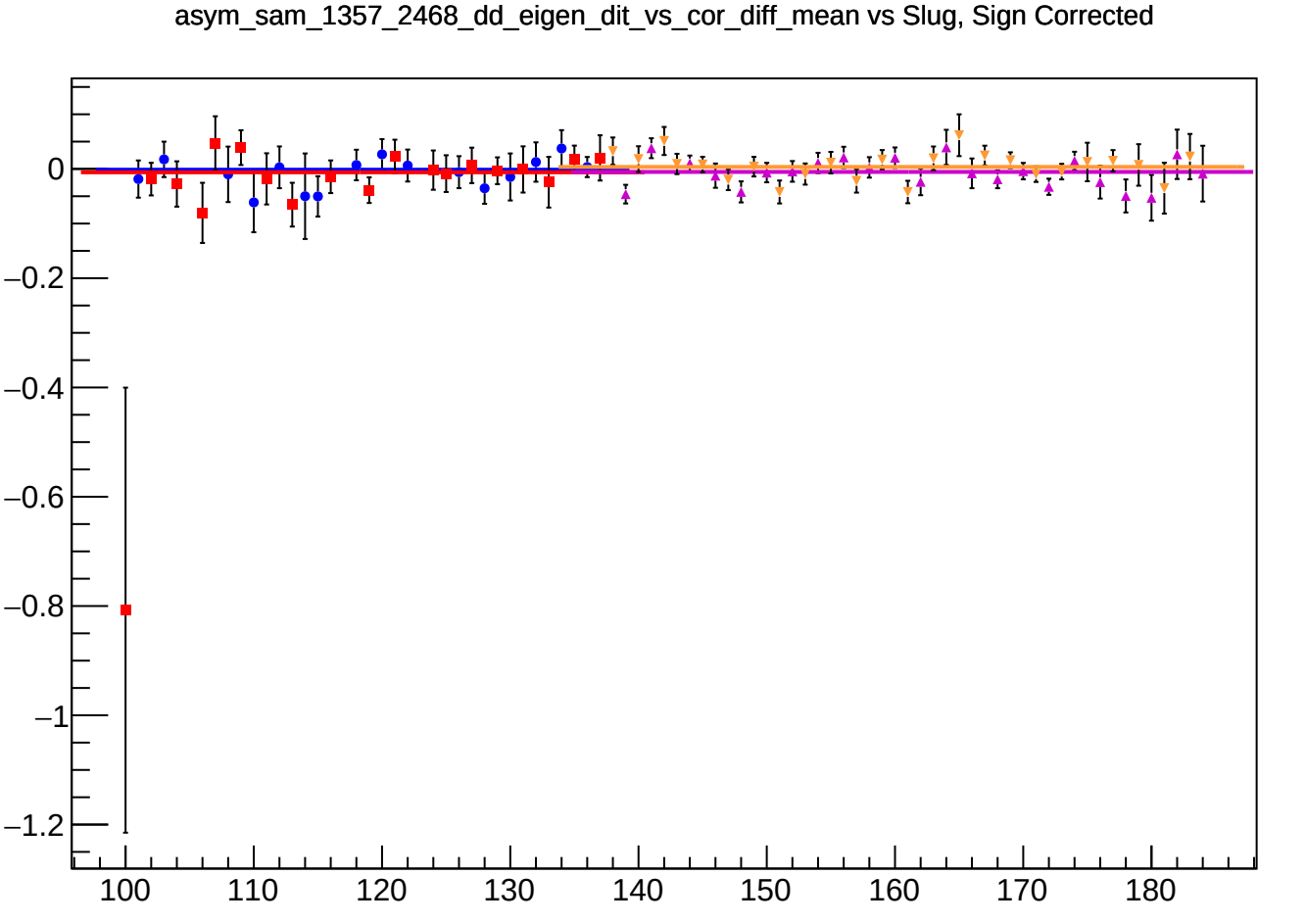
Left: 0.001+/-0.000 χ^2/NDF: 14936757.3/46

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:10591878.5/38

Out: 0.001+/-0.000 χ^2/NDF:12311289.5/42

All: 0.001+/-0.000 χ^2/NDF: 23264371.8/81



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:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.2/46

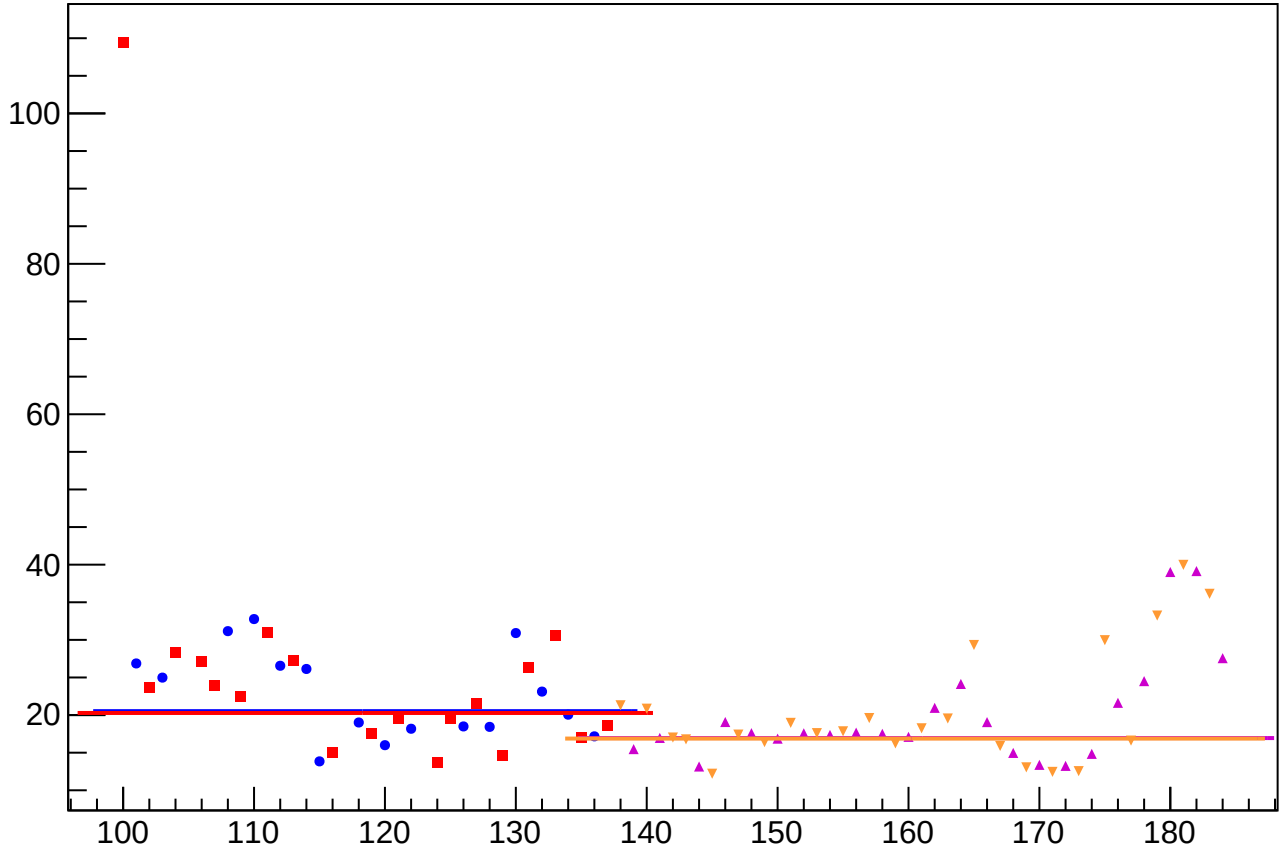
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.7/38

Out: 0.002+/-0.004 χ^2/NDF:44.0/42

All: -0.001+/-0.003 χ^2/NDF: 87.1/81

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: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.909+/-0.002 χ^2/NDF: 4688928.6/46

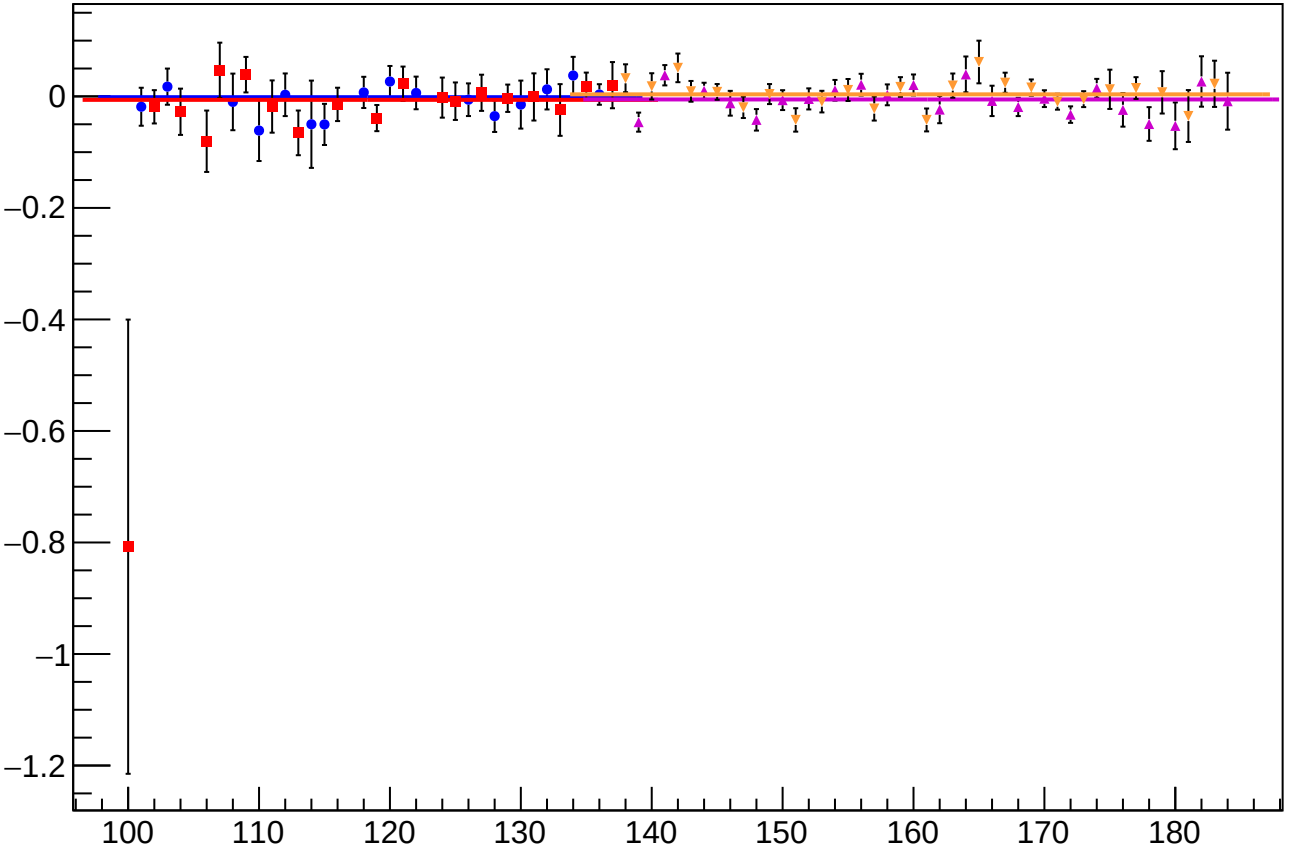
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.704+/-0.003 χ^2/NDF:2957968.9/38

Out: 17.602+/-0.003 χ^2/NDF:3904689.1/42

All: 17.652+/-0.002 χ^2/NDF: 6863439.3/81

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:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.2/46

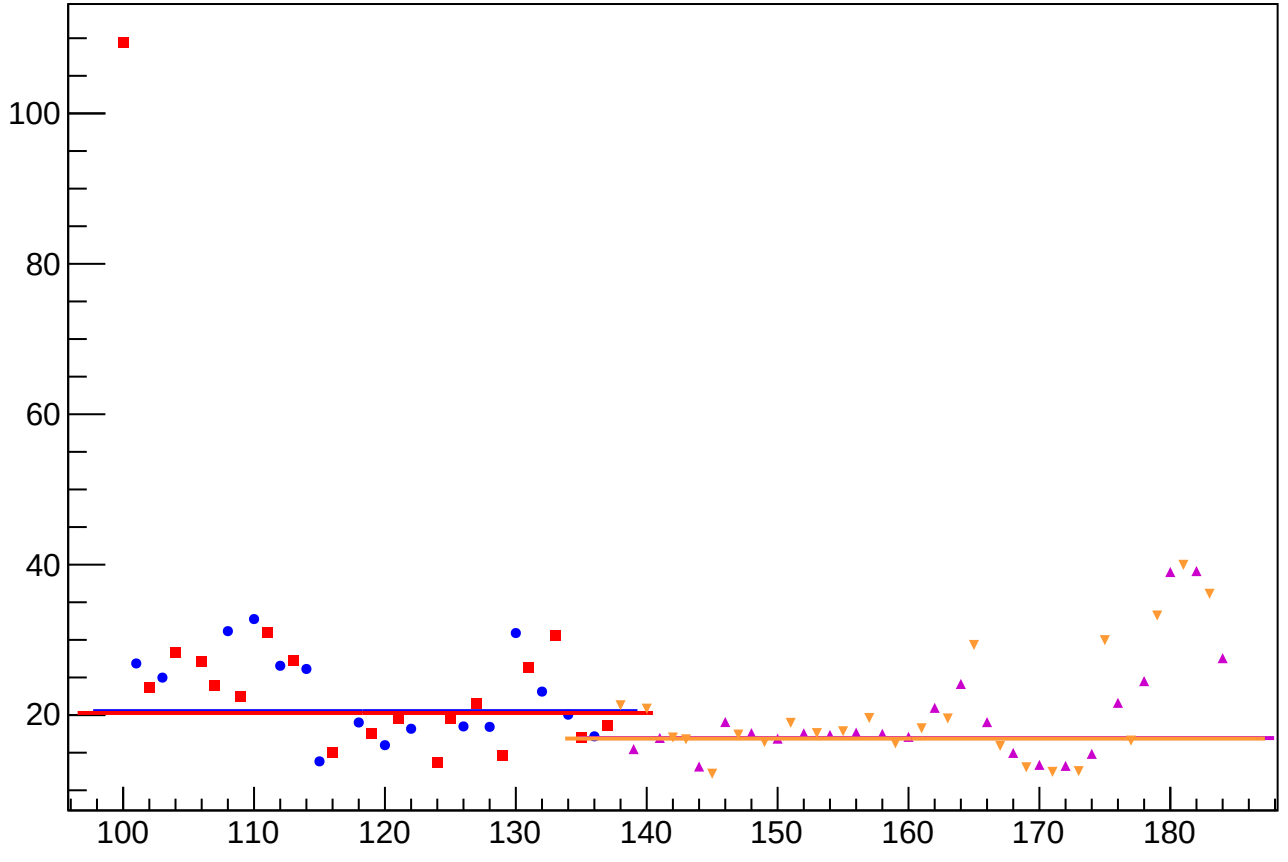
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.7/38

Out: 0.002+/-0.004 χ^2/NDF:44.0/42

All: -0.001+/-0.003 χ^2/NDF: 87.1/81

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: 16.943+/-0.003 χ^2/NDF:1941834.9/22

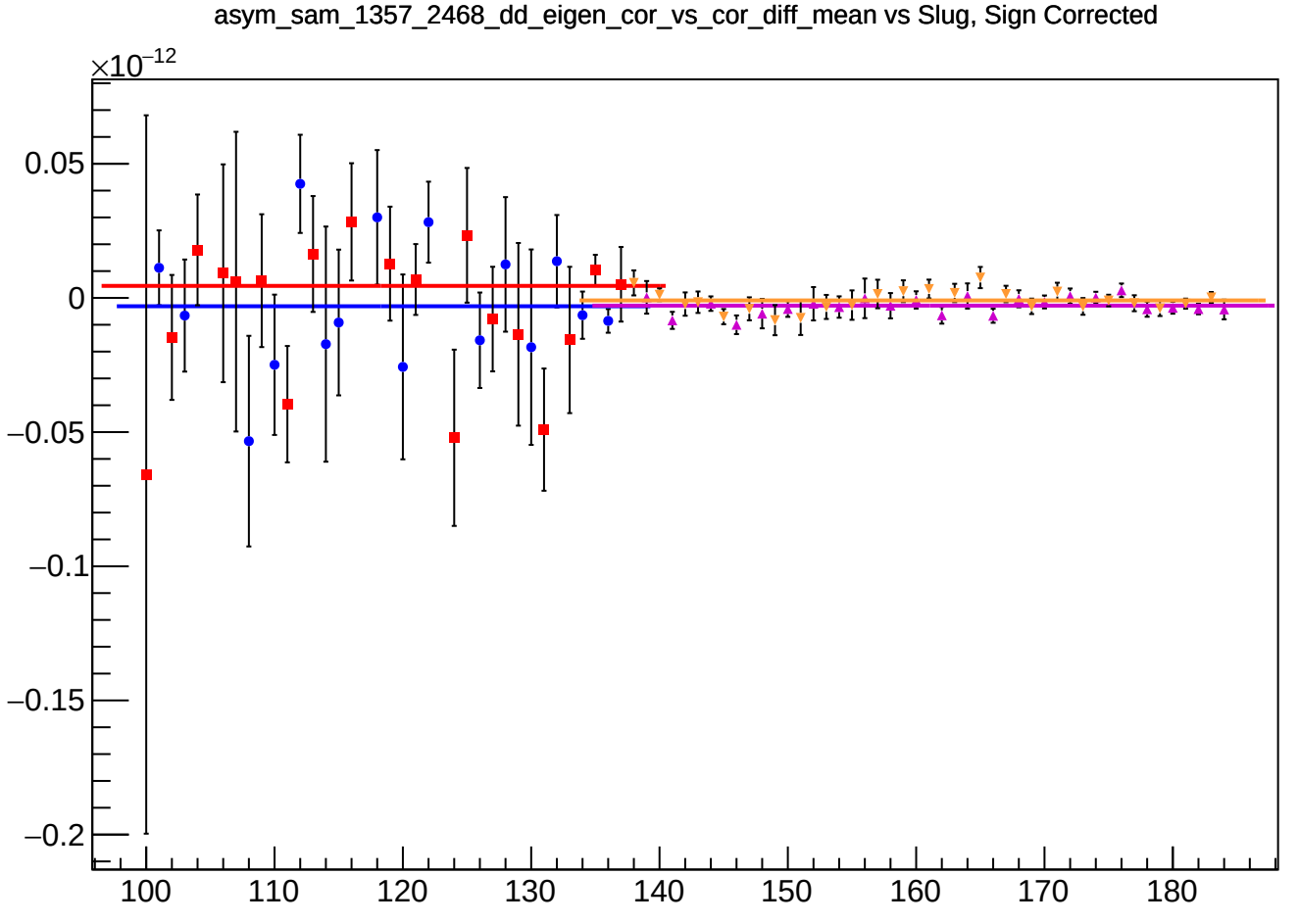
Left: 16.909+/-0.002 χ^2/NDF: 4688928.6/46

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.704+/-0.003 χ^2/NDF:2957968.9/38

Out: 17.602+/-0.003 χ^2/NDF:3904689.1/42

All: 17.652+/-0.002 χ^2/NDF: 6863439.3/81



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:23.1/22

Left: -0.000+/-0.000 χ^2/NDF: 51.1/46

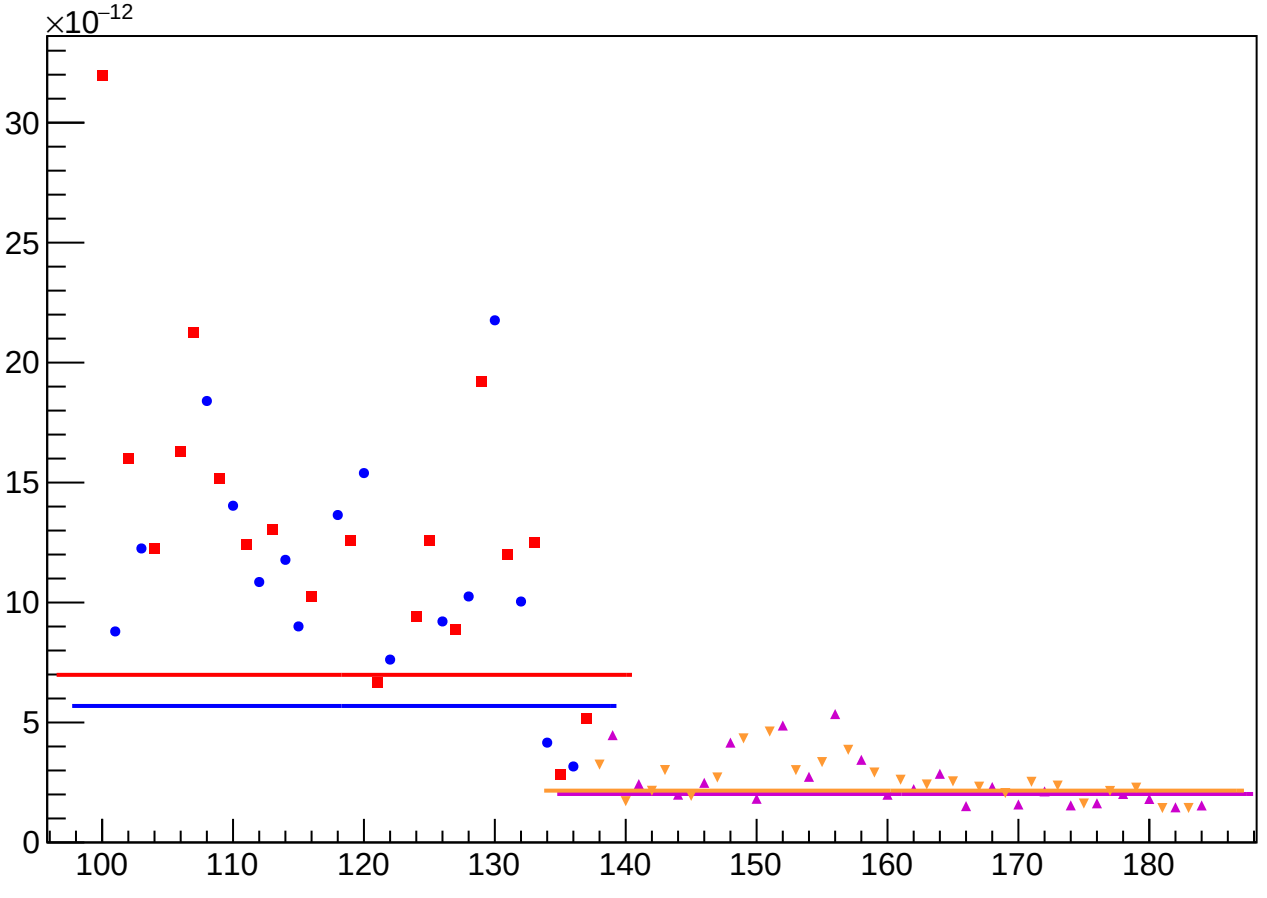
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:43.1/38

Out: -0.000+/-0.000 χ^2/NDF:43.9/42

All: -0.000+/-0.000 χ^2/NDF: 92.5/81

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:2375362.0/22

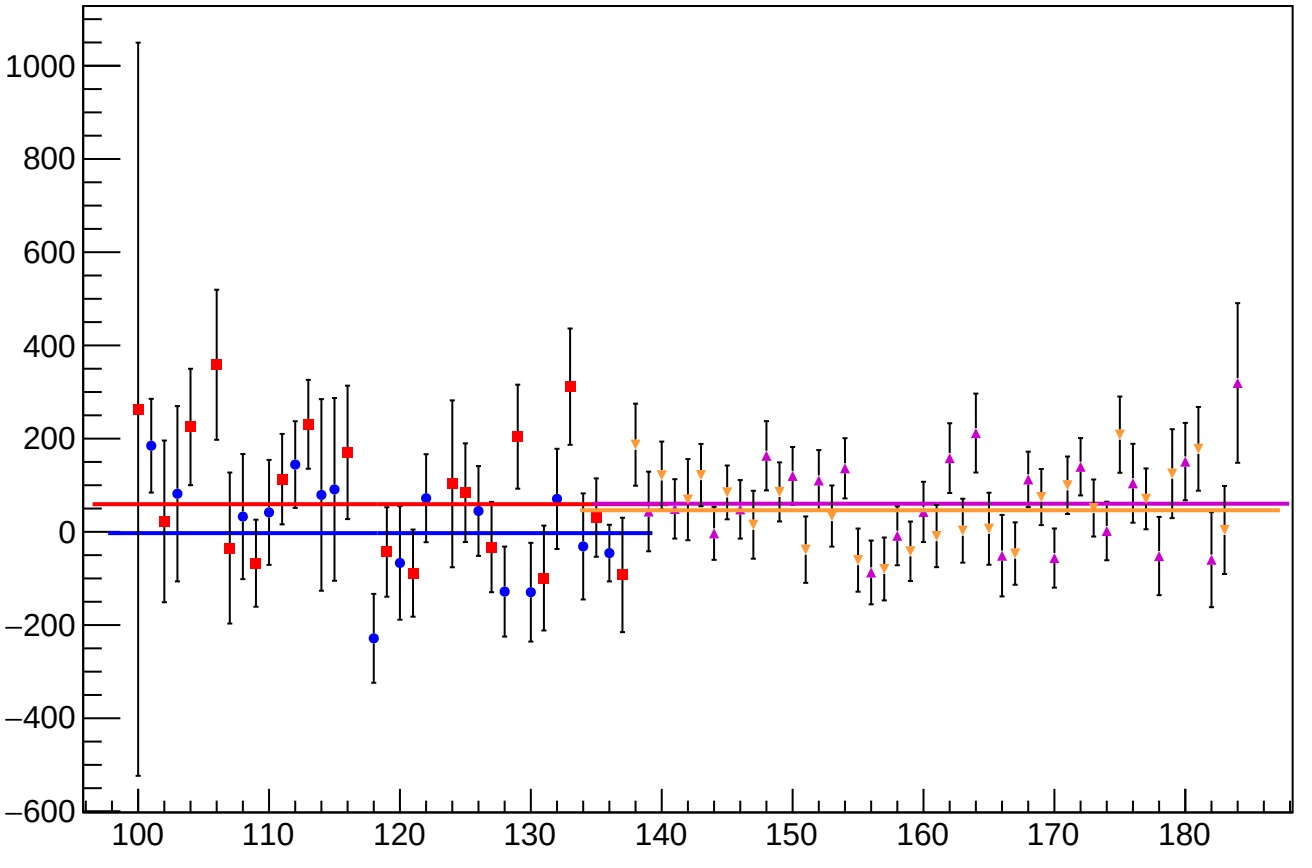
Left: 0.000+/-0.000 χ^2/NDF: 4570177.4/46

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:7526420.6/38

Out: 0.000+/-0.000 χ^2/NDF:8289437.0/42

All: 0.000+/-0.000 χ^2/NDF: 15862177.2/81



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: 60.376+/-14.714 χ^2/NDF:32.2/22

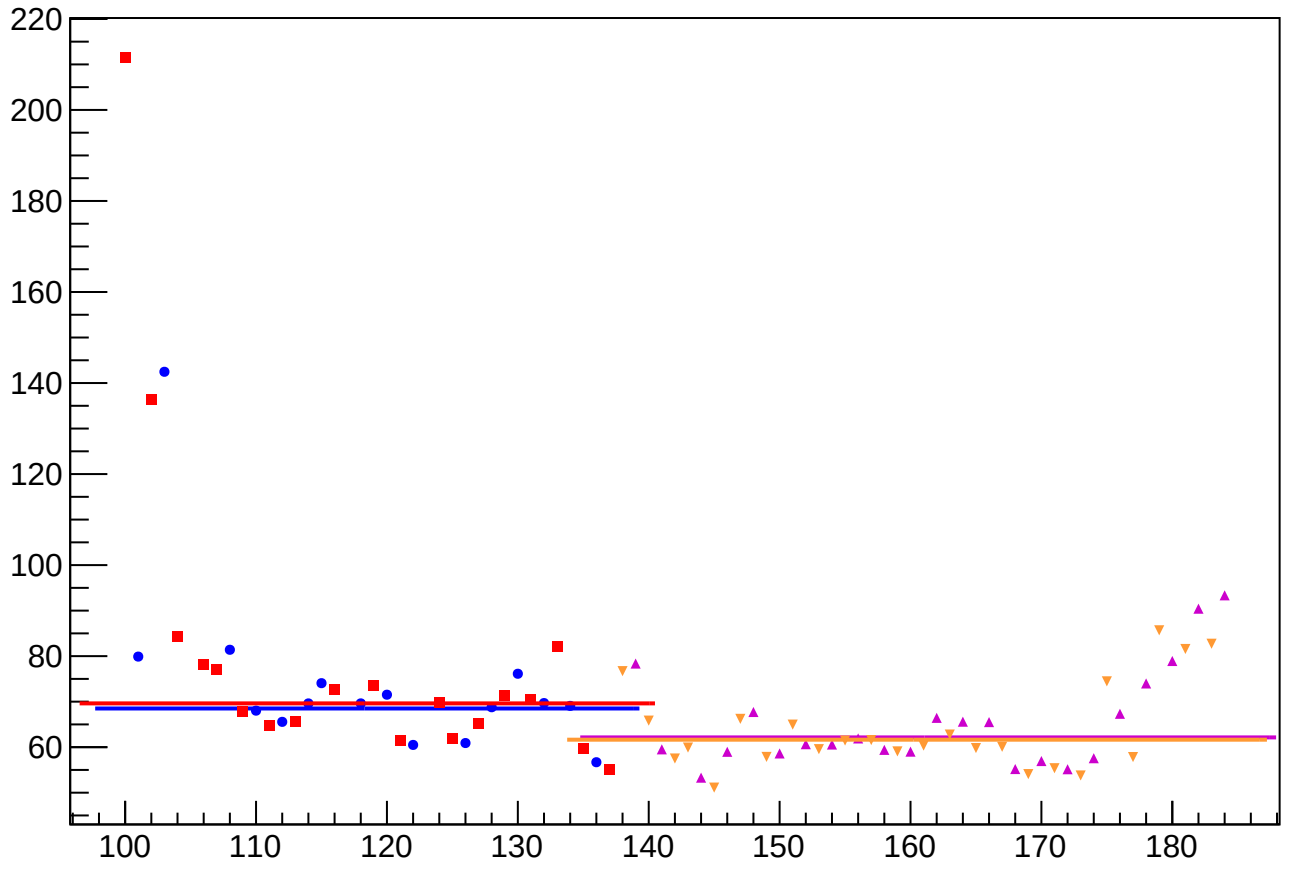
Left: 53.141+/-10.255 χ^2/NDF: 59.3/46

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 45.248+/-12.831 χ^2/NDF:54.3/38

Out: 49.268+/-12.573 χ^2/NDF:52.6/42

All: 47.299+/-8.980 χ^2/NDF: 106.9/81



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: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.887+/-0.007 χ^2/NDF: 1229939.3/46

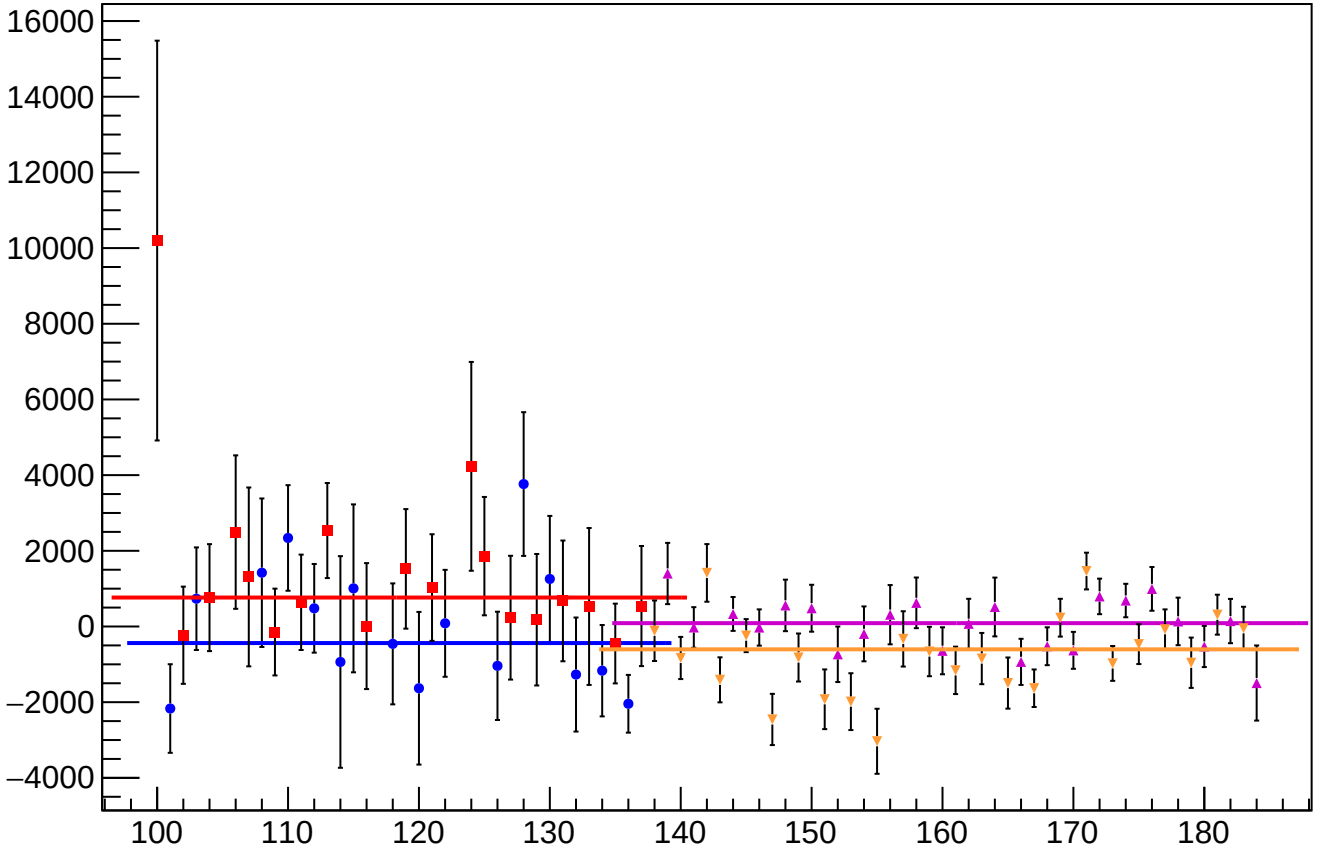
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 63.667+/-0.009 χ^2/NDF:1157982.4/38

Out: 63.456+/-0.009 χ^2/NDF:1293660.0/42

All: 63.559+/-0.006 χ^2/NDF: 2451918.7/81

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: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -261.986+/-86.065 χ^2/NDF: 106.7/46

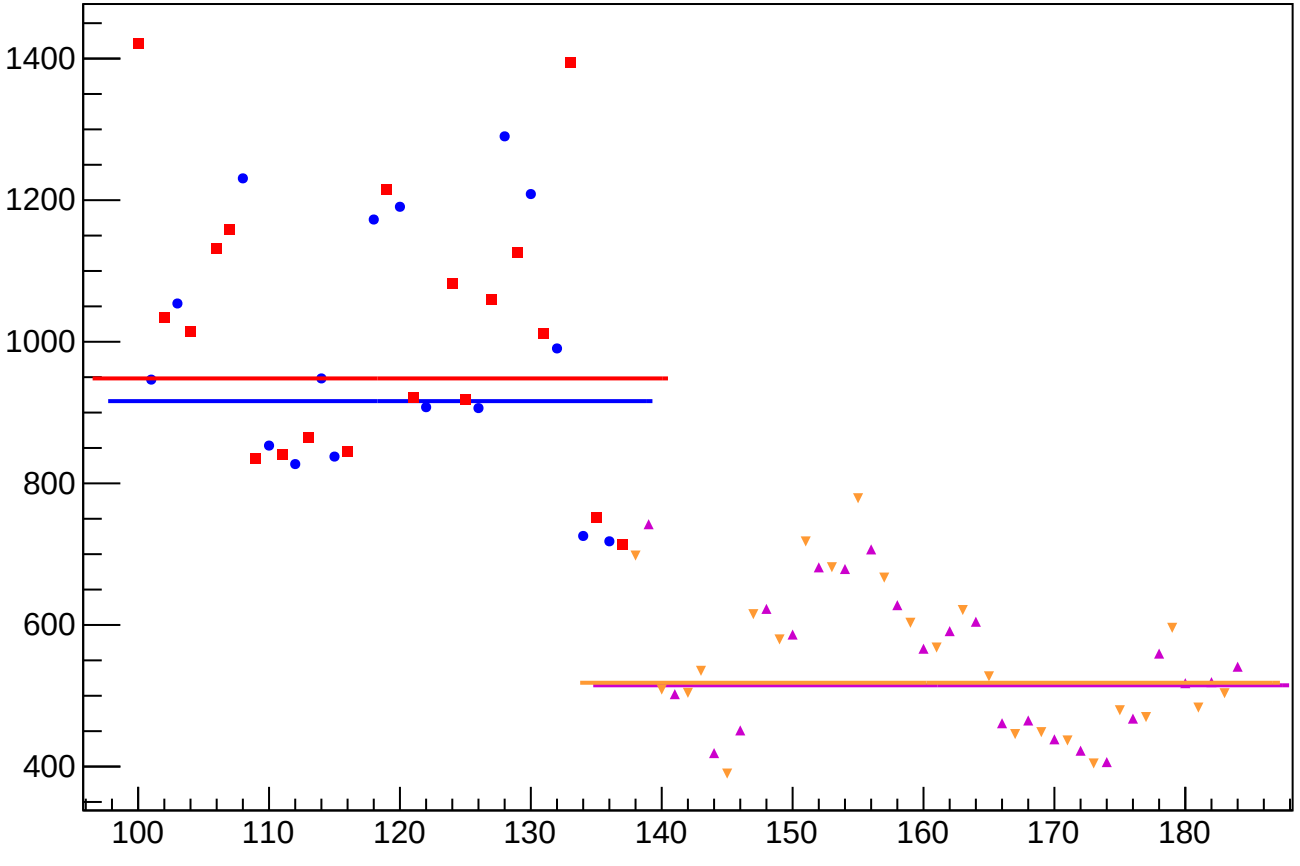
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 30.633+/-115.576 χ^2/NDF:47.2/38

Out: -459.761+/-114.423 χ^2/NDF:90.7/42

All: -217.022+/-81.314 χ^2/NDF: 147.0/81

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: 514.781+/-0.087 χ^2/NDF:1120436.1/22

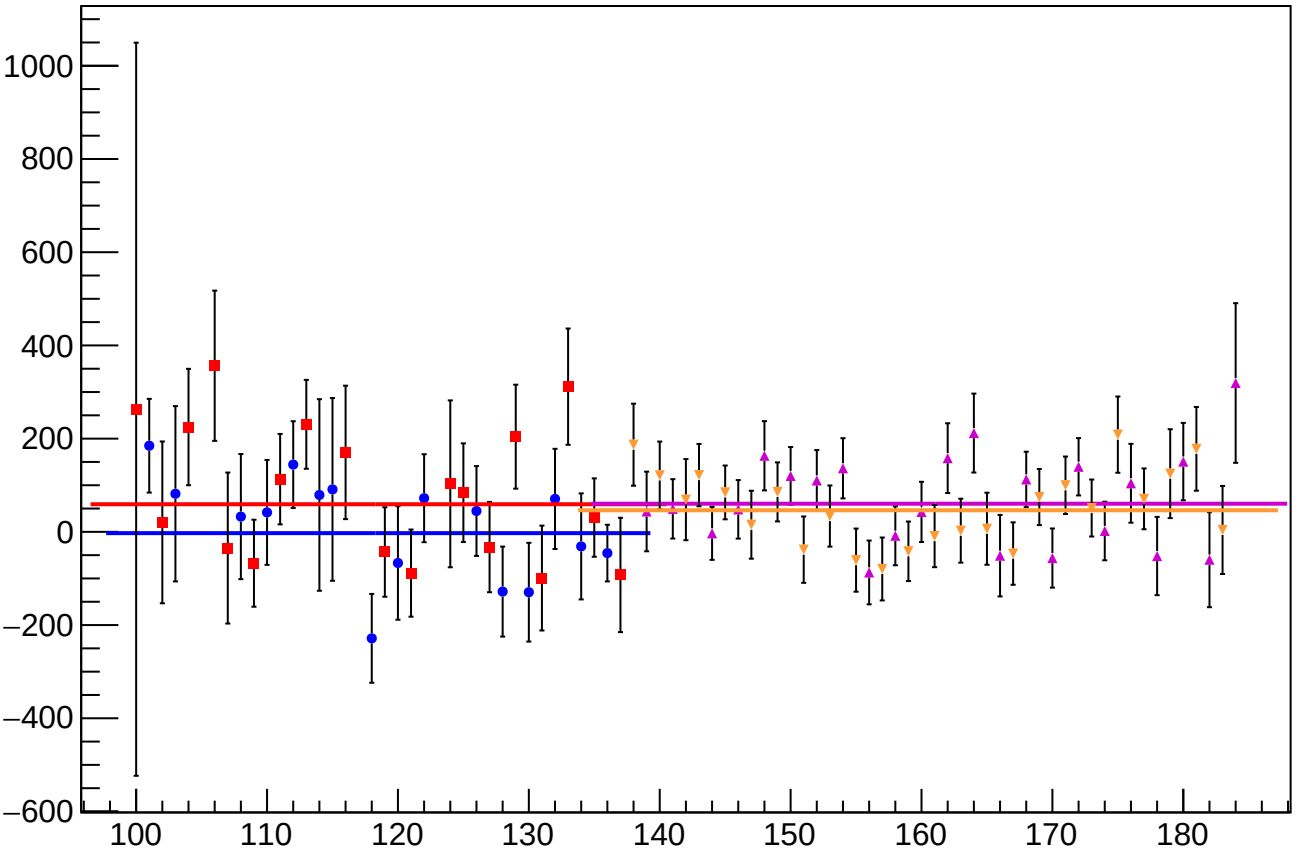
Left: 516.606+/-0.061 χ^2/NDF: 2365543.5/46

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 558.831+/-0.082 χ^2/NDF:3986377.7/38

Out: 563.536+/-0.081 χ^2/NDF:4312756.3/42

All: 561.207+/-0.057 χ^2/NDF: 8300807.3/81



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: 60.376+/-14.714 χ^2/NDF:32.2/22

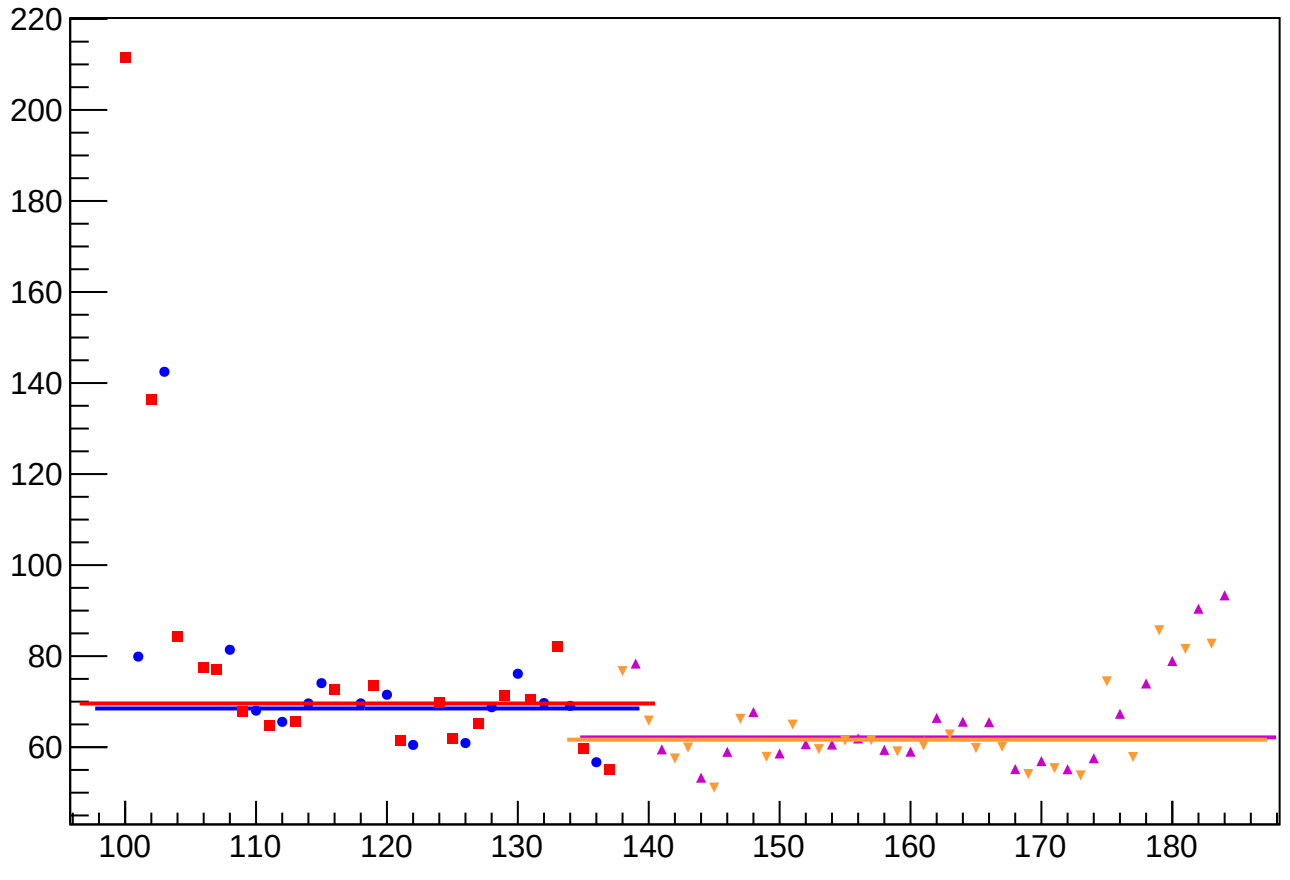
Left: 53.143+/-10.255 χ^2/NDF: 59.3/46

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 45.247+/-12.831 χ^2/NDF:54.3/38

Out: 49.243+/-12.573 χ^2/NDF:52.5/42

All: 47.285+/-8.980 χ^2/NDF: 106.9/81



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: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.887+/-0.007 χ^2/NDF: 1229939.3/46

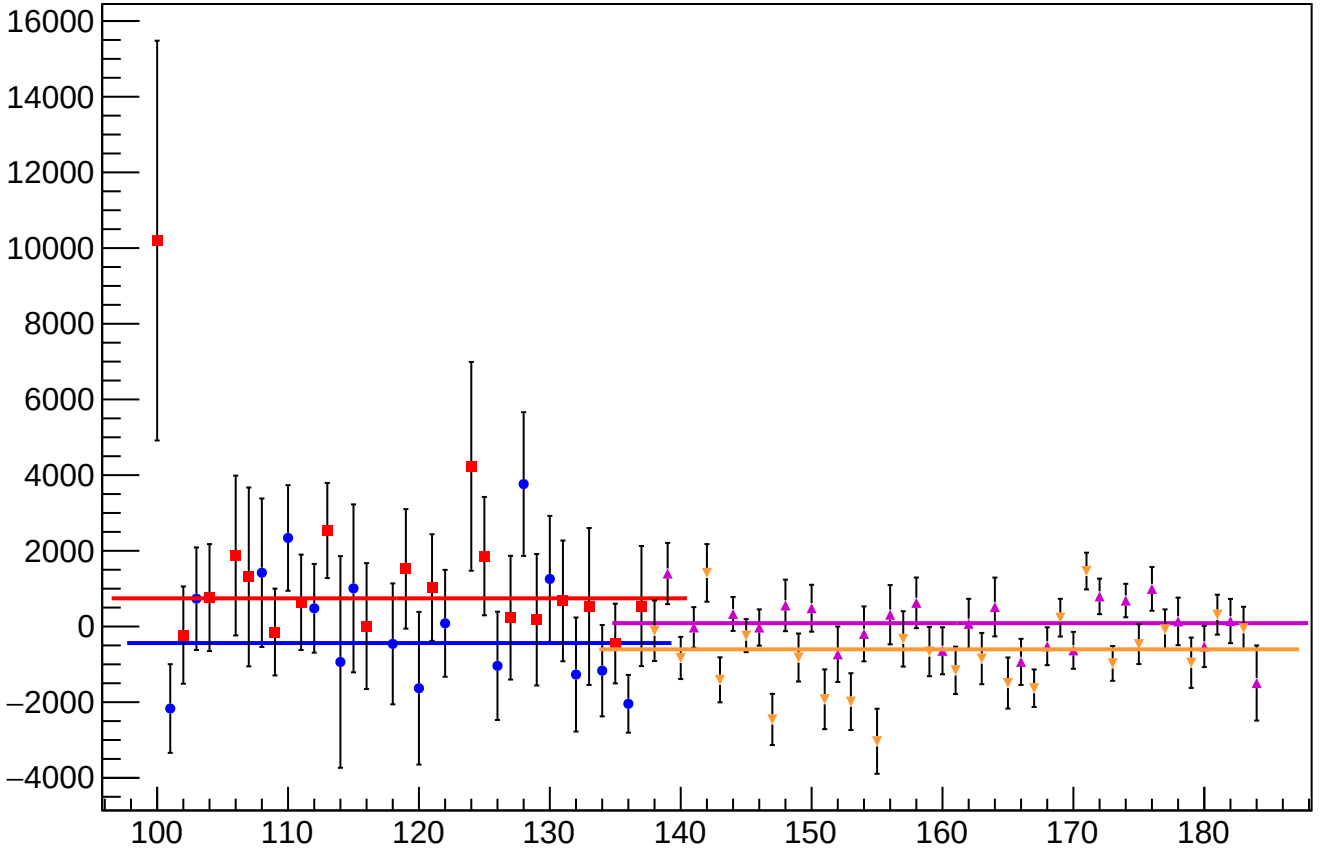
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.667+/-0.009 χ^2/NDF:1157985.4/38

Out: 63.451+/-0.009 χ^2/NDF:1292355.0/42

All: 63.557+/-0.006 χ^2/NDF: 2450628.5/81

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: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -261.984+/-86.065 χ^2/NDF: 106.7/46

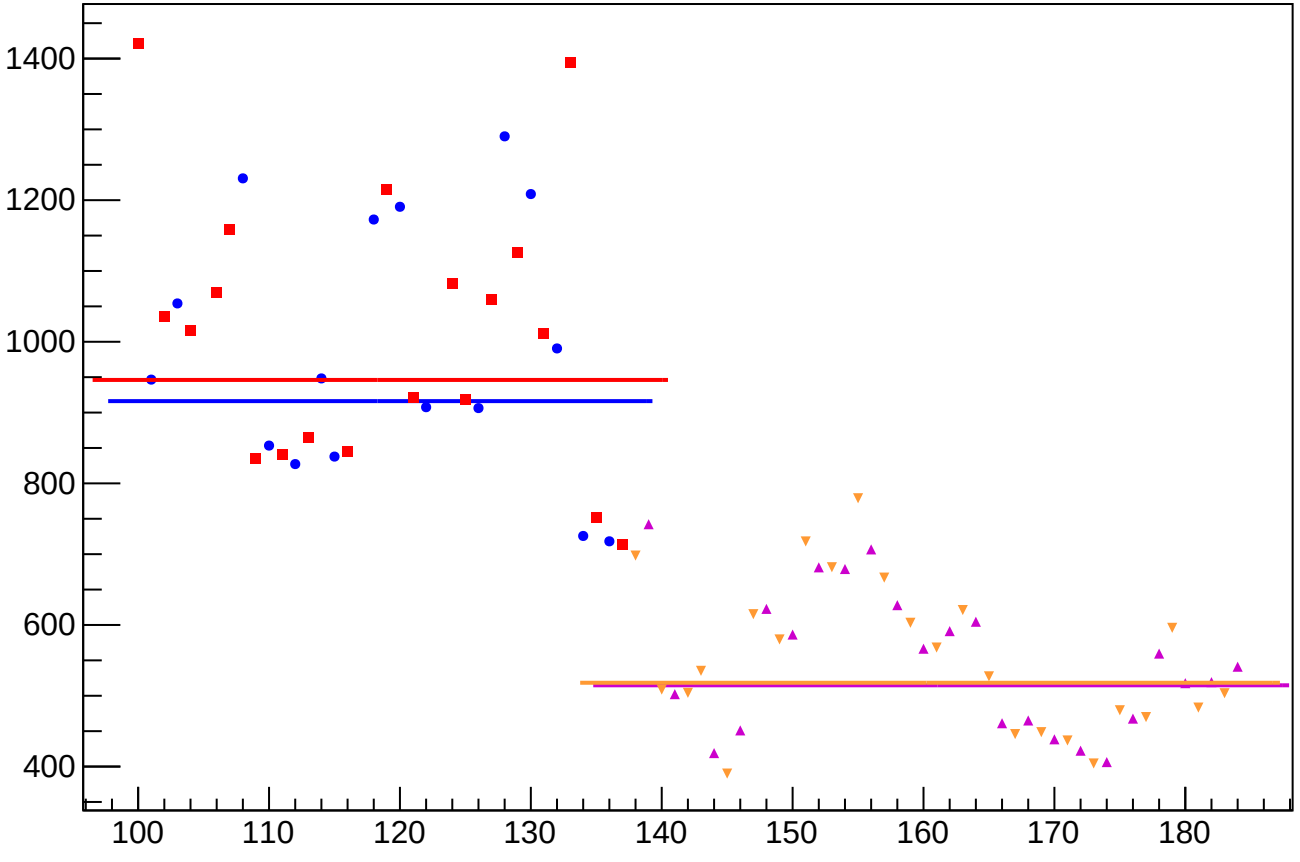
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 30.636+/-115.576 χ^2/NDF:47.2/38

Out: -462.270+/-114.438 χ^2/NDF:89.8/42

All: -218.256+/-81.319 χ^2/NDF: 146.2/81

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: 514.781+/-0.087 χ^2/NDF:1120434.8/22

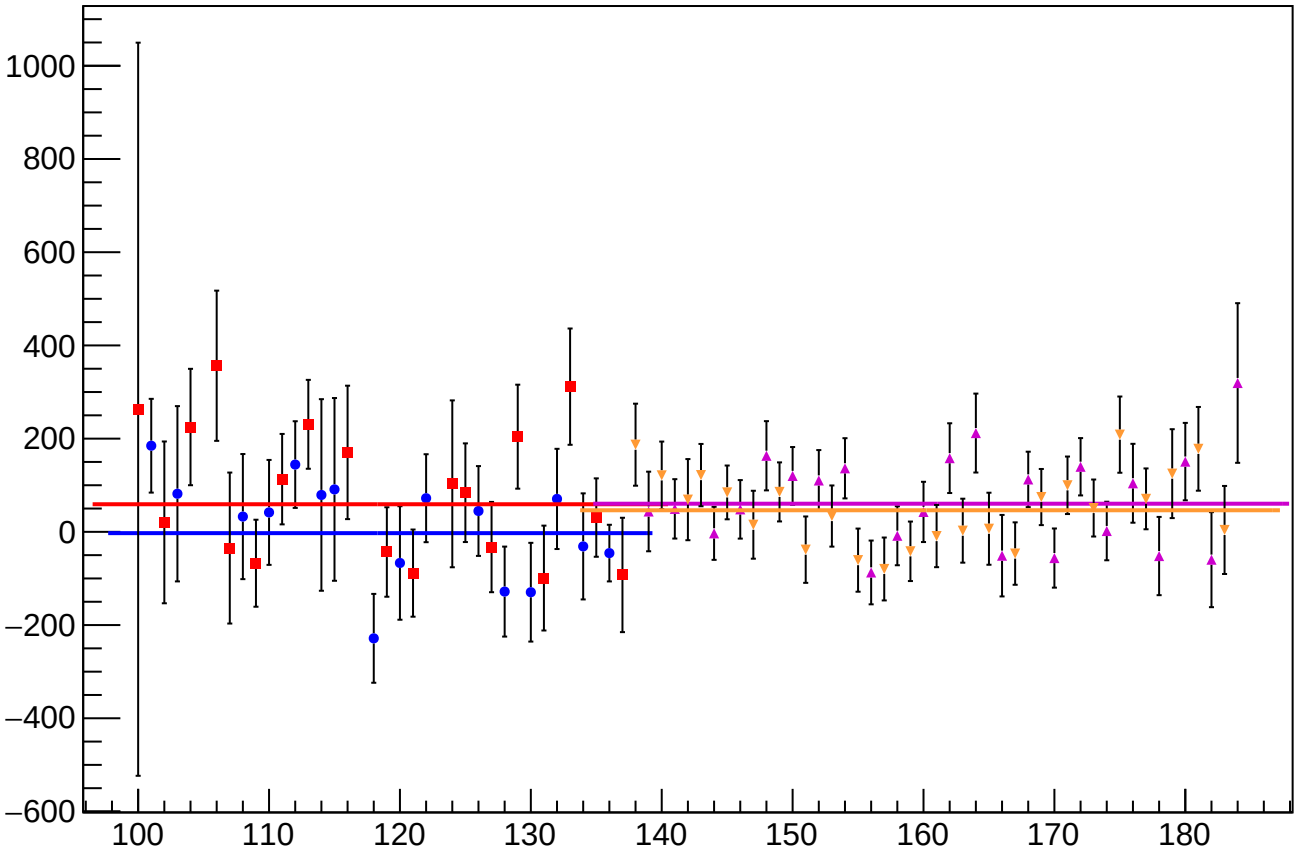
Left: 516.606+/-0.061 χ^2/NDF: 2365545.5/46

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 558.831+/-0.082 χ^2/NDF:3986420.1/38

Out: 563.211+/-0.081 χ^2/NDF:4270798.3/42

All: 561.043+/-0.058 χ^2/NDF: 8258668.6/81



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: 60.376+/-14.714 χ^2/NDF:32.2/22

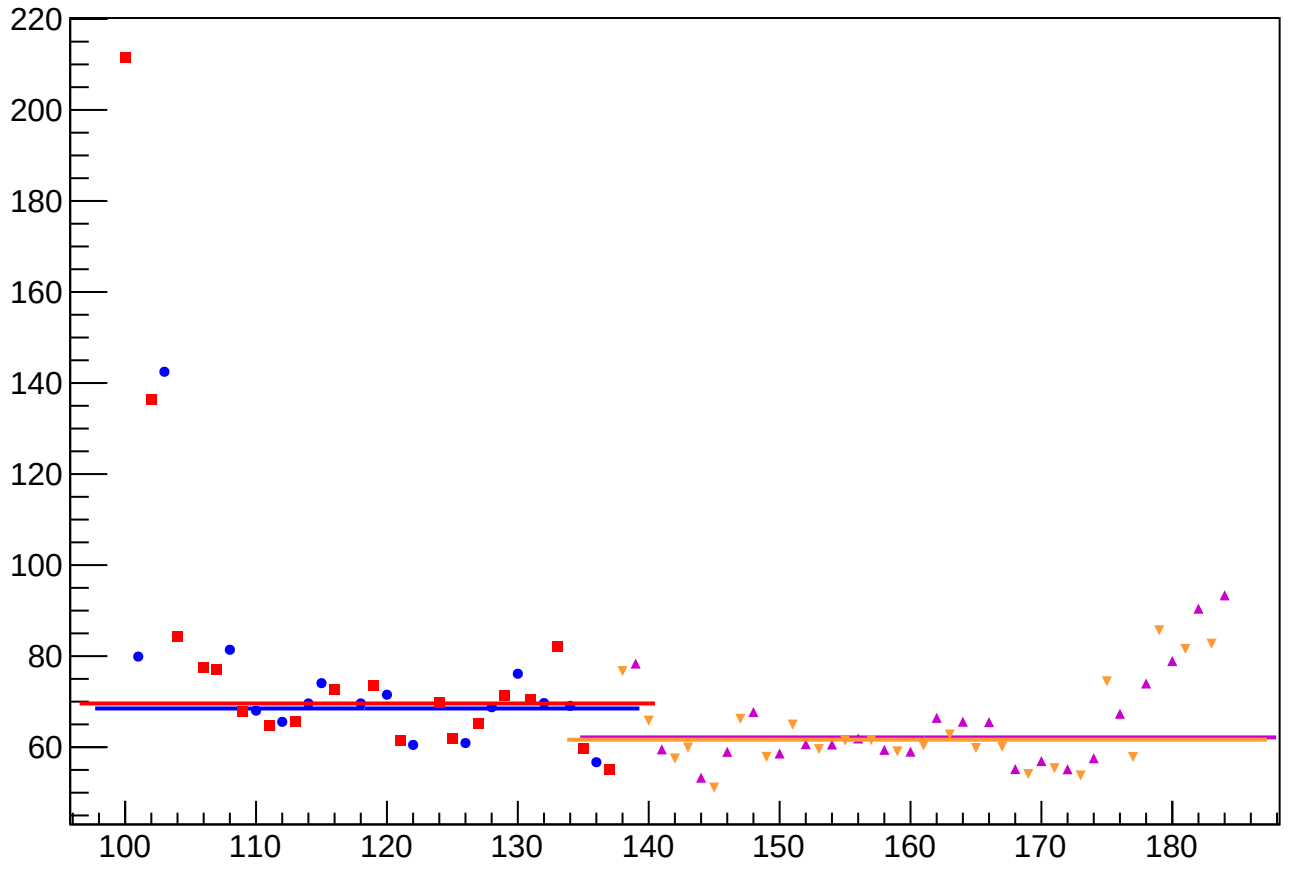
Left: 53.143+/-10.255 χ^2/NDF: 59.3/46

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 45.247+/-12.831 χ^2/NDF:54.3/38

Out: 49.243+/-12.573 χ^2/NDF:52.5/42

All: 47.285+/-8.980 χ^2/NDF: 106.9/81



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: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.887+/-0.007 χ^2/NDF: 1229939.3/46

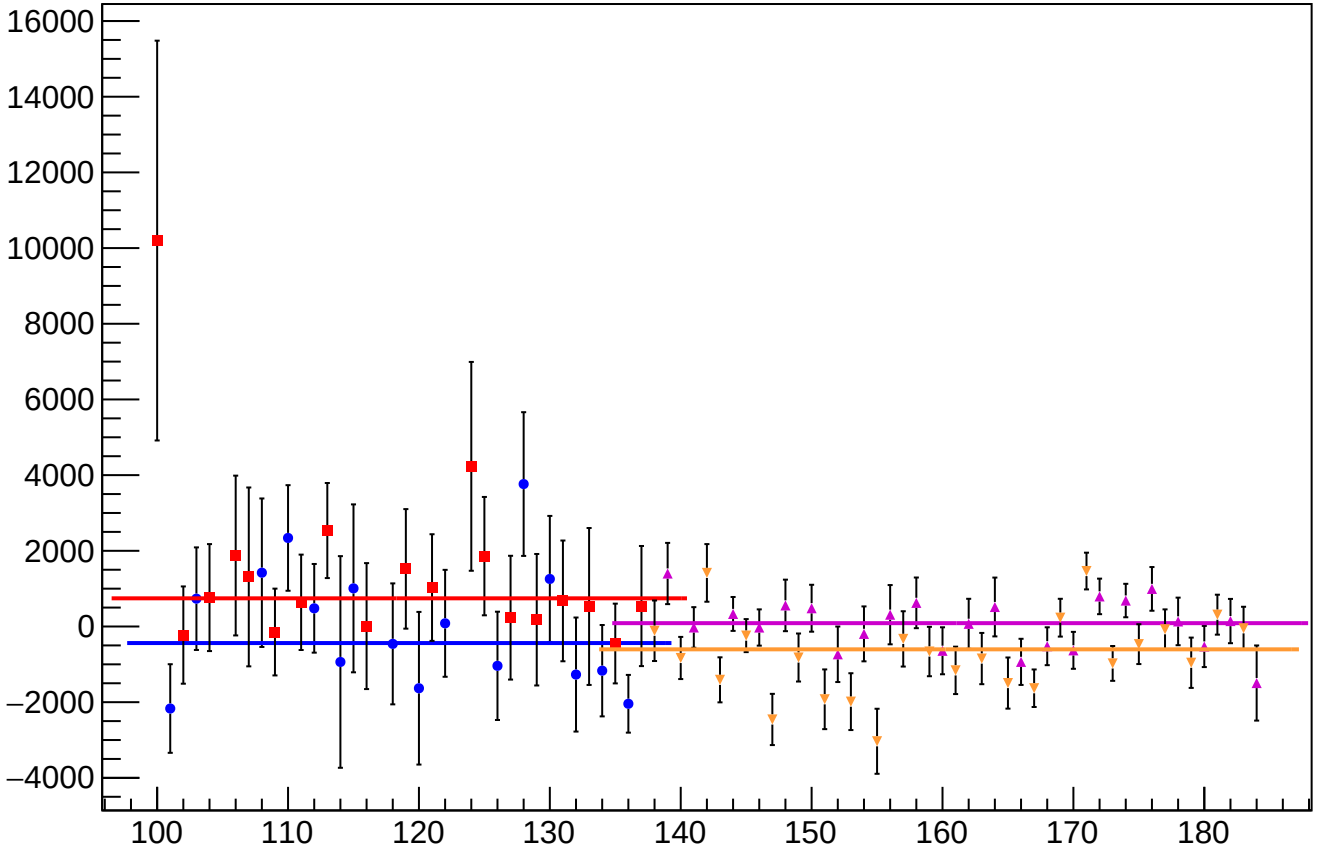
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.667+/-0.009 χ^2/NDF:1157985.4/38

Out: 63.451+/-0.009 χ^2/NDF:1292355.0/42

All: 63.557+/-0.006 χ^2/NDF: 2450628.5/81

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: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -261.984+/-86.065 χ^2/NDF: 106.7/46

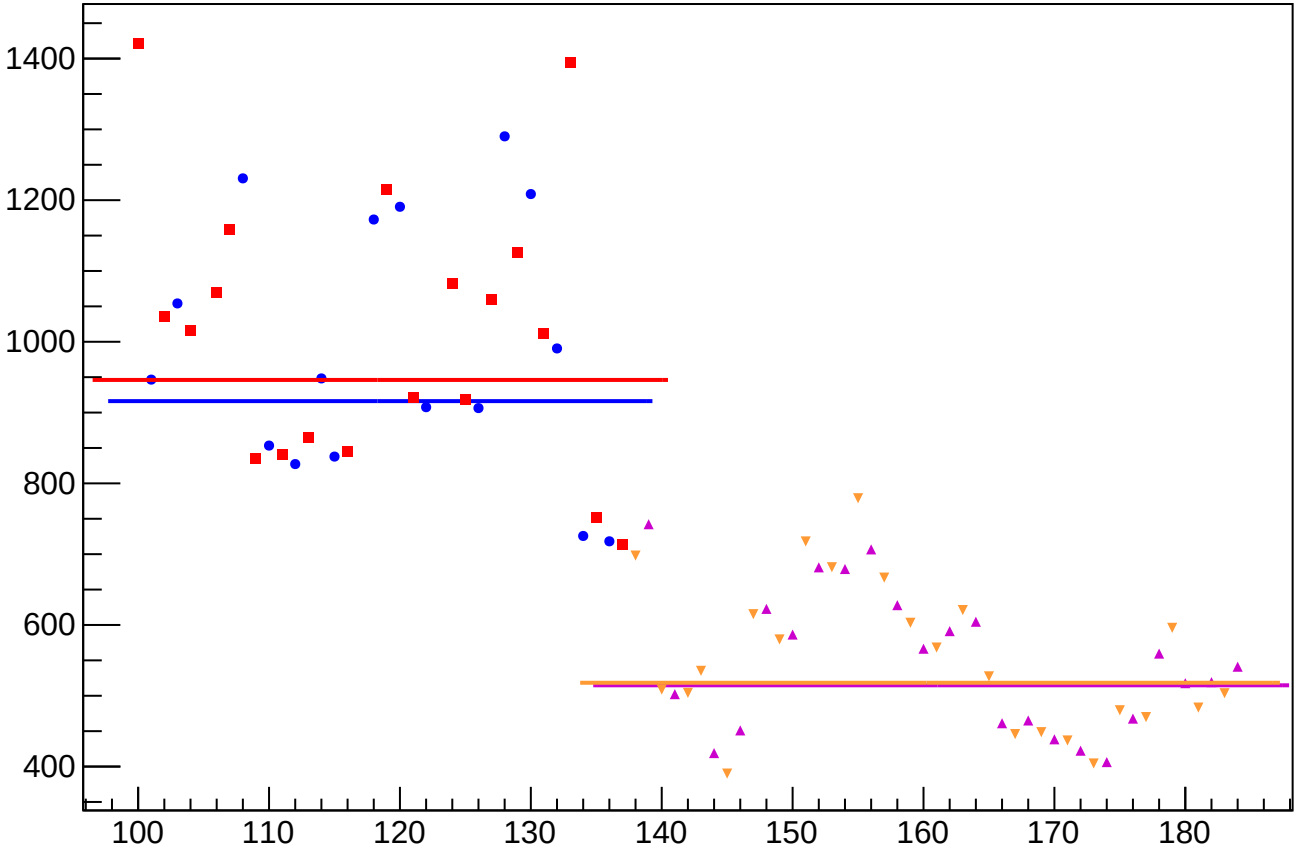
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 30.636+/-115.576 χ^2/NDF:47.2/38

Out: -462.270+/-114.438 χ^2/NDF:89.8/42

All: -218.256+/-81.319 χ^2/NDF: 146.2/81

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: 514.781+/-0.087 χ^2/NDF:1120434.8/22

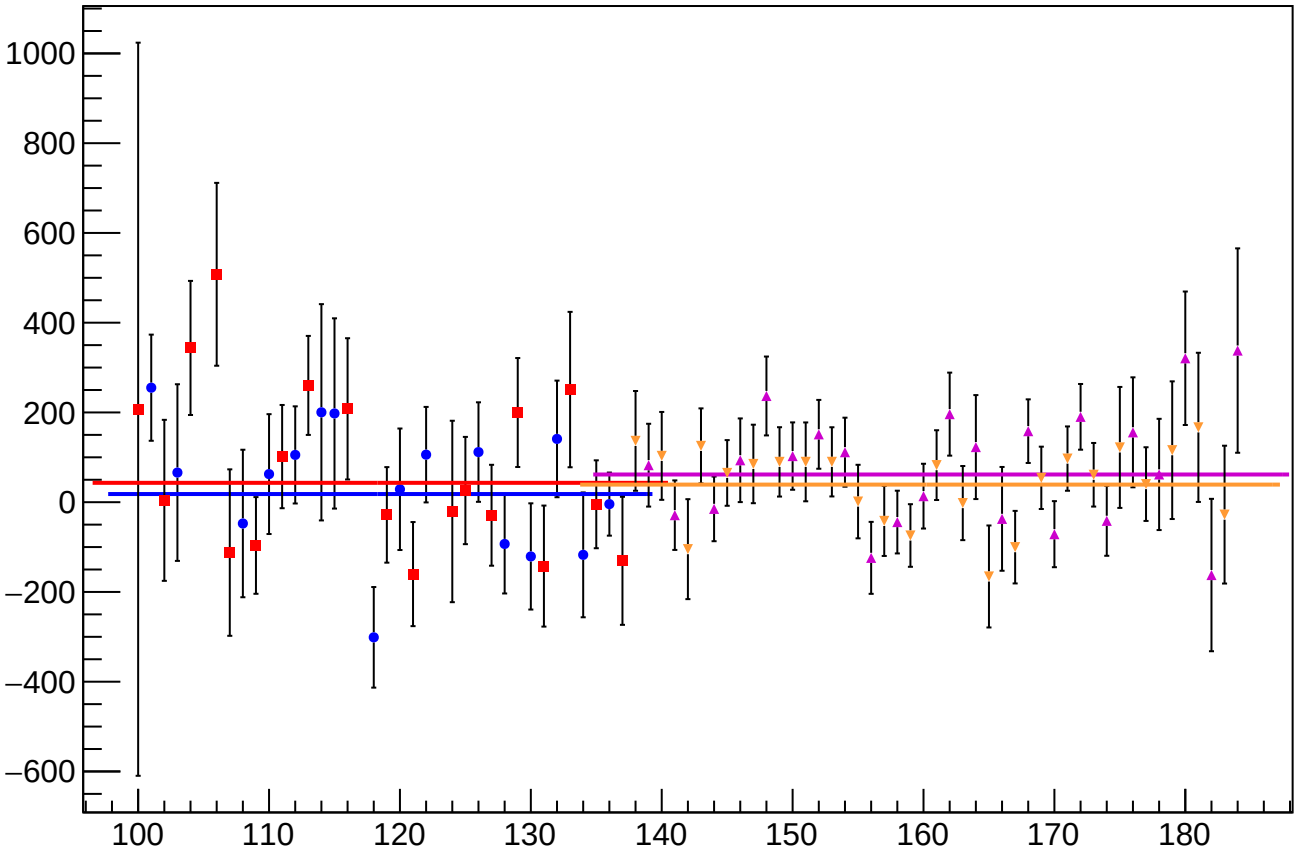
Left: 516.606+/-0.061 χ^2/NDF: 2365545.5/46

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 558.831+/-0.082 χ^2/NDF:3986420.1/38

Out: 563.211+/-0.081 χ^2/NDF:4270798.3/42

All: 561.043+/-0.058 χ^2/NDF: 8258668.6/81



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: 61.723+/-18.192 χ^2/NDF:36.7/22

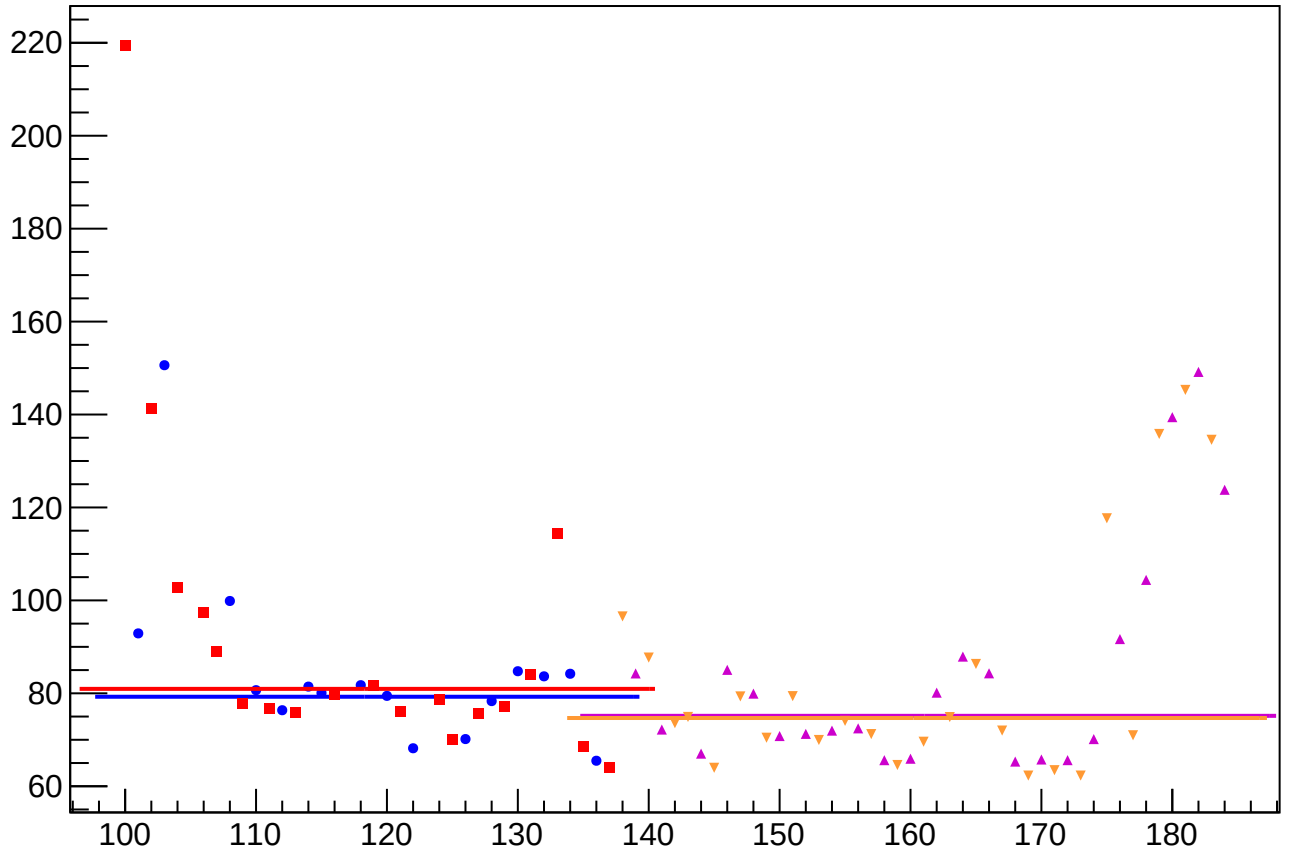
Left: 50.183+/-12.700 χ^2/NDF: 56.0/46

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 50.211+/-15.603 χ^2/NDF:58.4/38

Out: 40.196+/-15.359 χ^2/NDF:46.2/42

All: 45.125+/-10.946 χ^2/NDF: 104.8/81



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: 75.156+/-0.013 χ^2/NDF:1312543.0/22

Left: 74.915+/-0.009 χ^2/NDF: 2935855.6/46

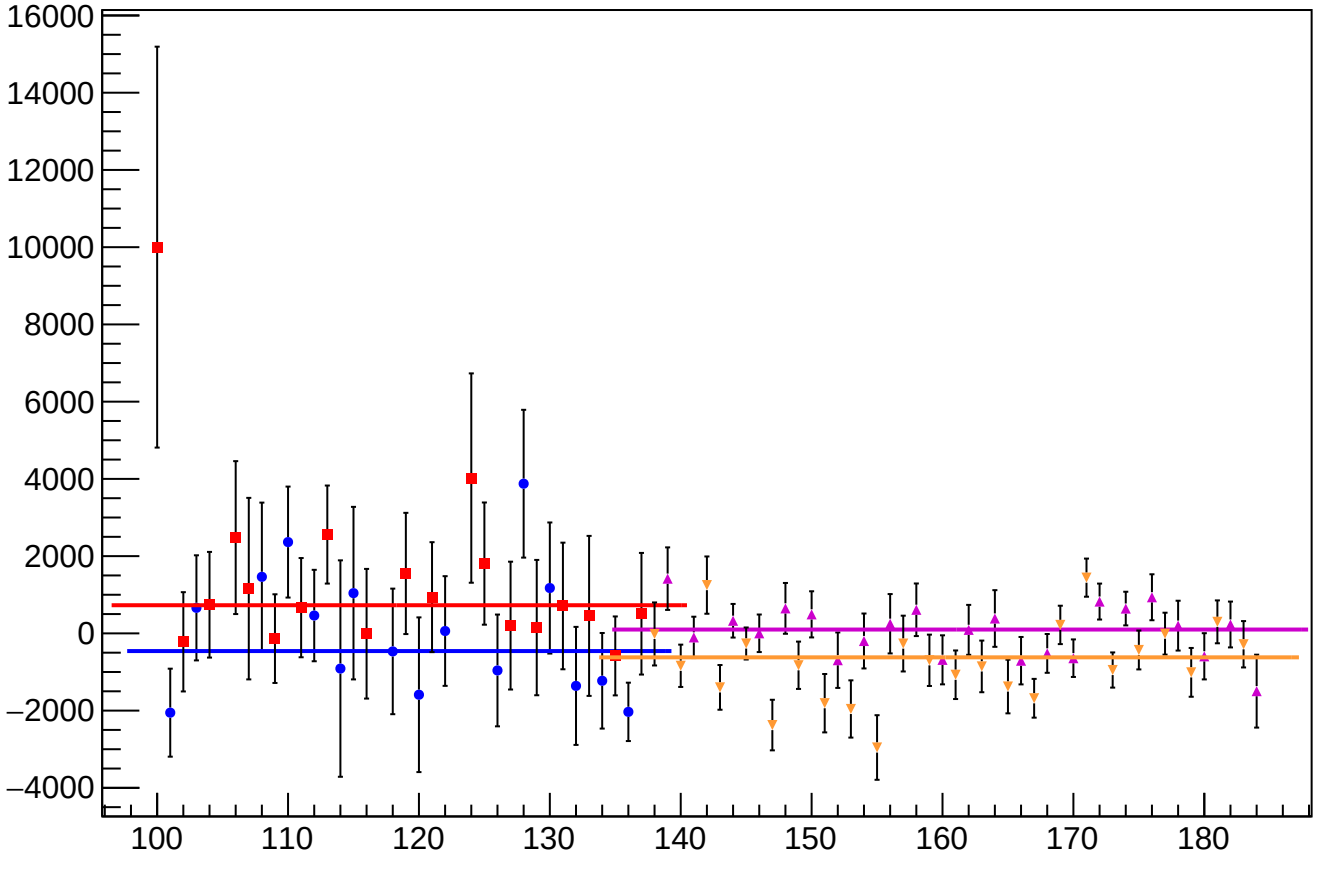
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 76.241+/-0.011 χ^2/NDF:1784448.6/38

Out: 76.256+/-0.011 χ^2/NDF:2199369.8/42

All: 76.249+/-0.008 χ^2/NDF: 3983819.2/81

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: 99.102+/-122.310 χ^2/NDF:23.7/22

Left: -267.209+/-85.716 χ^2/NDF: 104.0/46

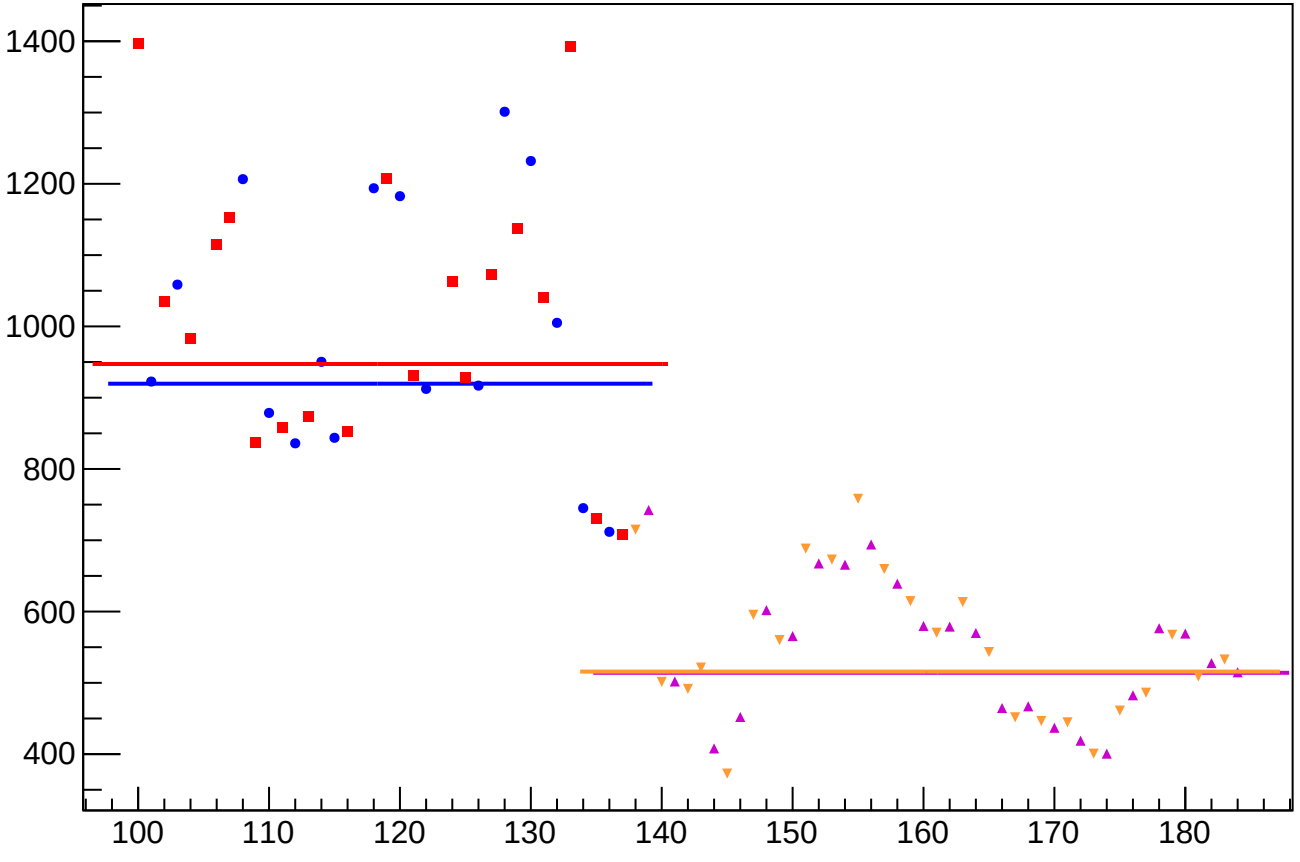
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 38.484+/-115.466 χ^2/NDF:46.2/38

Out: -480.321+/-113.737 χ^2/NDF:87.3/42

All: -224.832+/-81.028 χ^2/NDF: 143.8/81

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: 514.088+/-0.086 χ^2/NDF:1116884.3/22

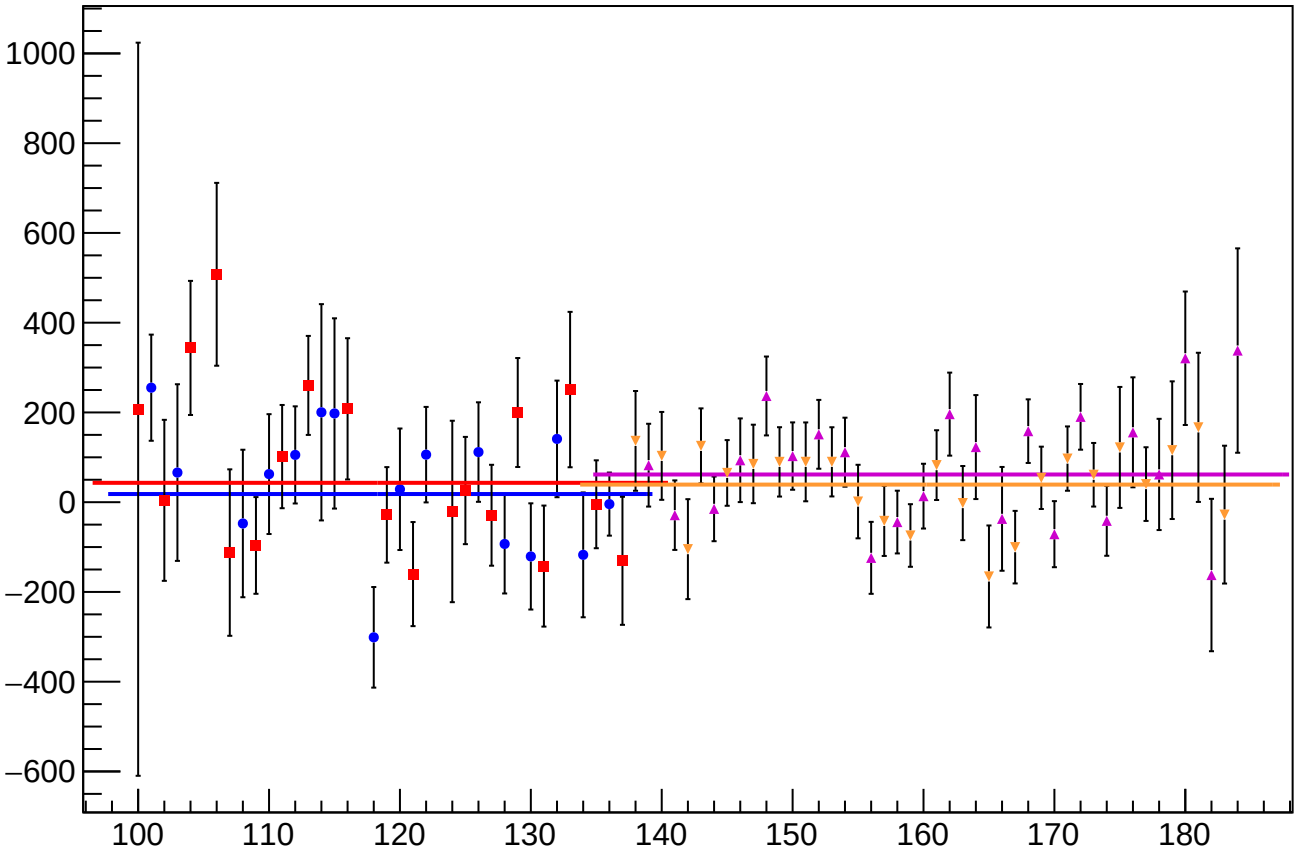
Left: 514.942+/-0.061 χ^2/NDF: 2349554.4/46

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 558.207+/-0.082 χ^2/NDF:4024423.6/38

Out: 560.671+/-0.080 χ^2/NDF:4342018.7/42

All: 559.458+/-0.057 χ^2/NDF: 8366904.6/81



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: 61.723+/-18.192 χ^2/NDF:36.7/22

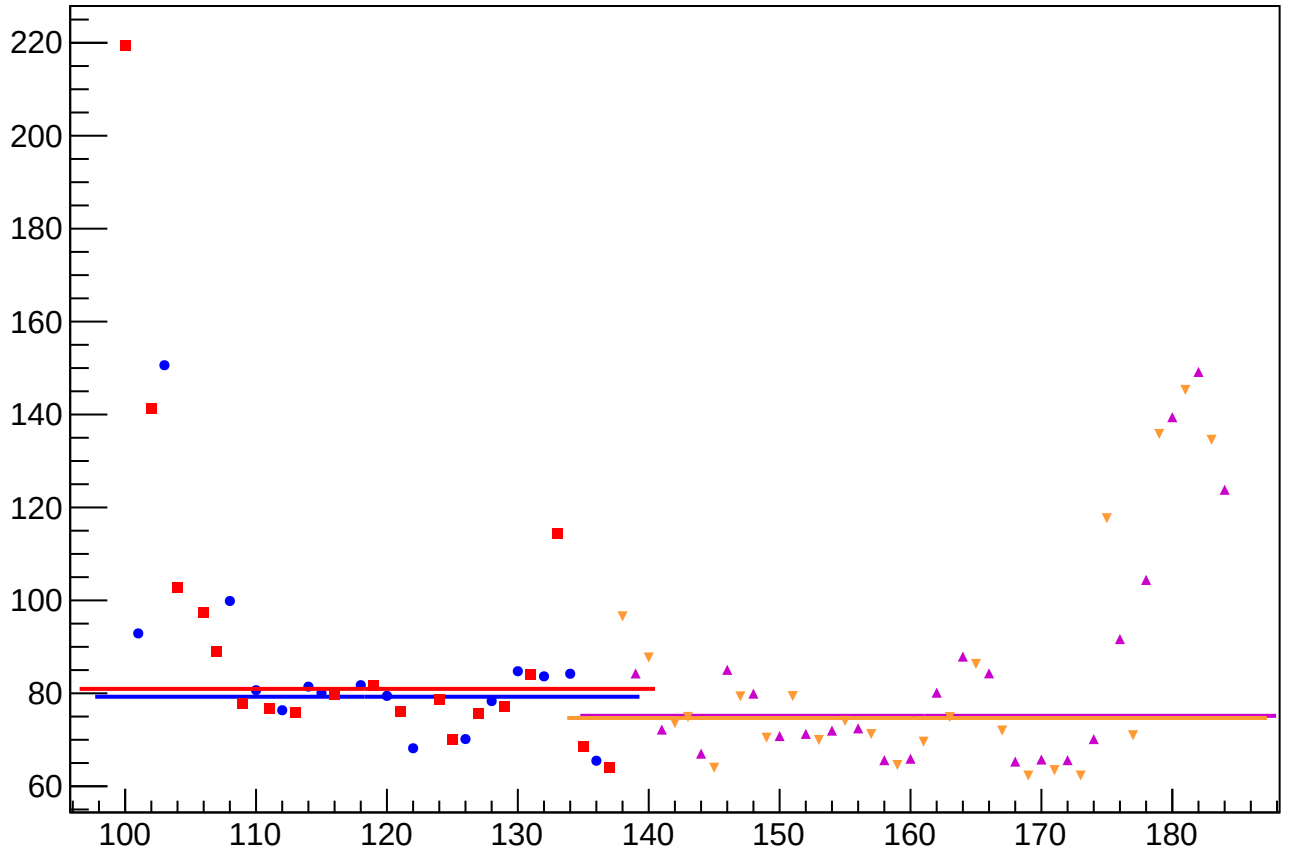
Left: 50.183+/-12.700 χ^2/NDF: 56.0/46

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 50.210+/-15.603 χ^2/NDF:58.4/38

Out: 40.195+/-15.359 χ^2/NDF:46.2/42

All: 45.124+/-10.946 χ^2/NDF: 104.8/81



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: 75.156+/-0.013 χ^2/NDF:1312527.7/22

Left: 74.915+/-0.009 χ^2/NDF: 2935839.7/46

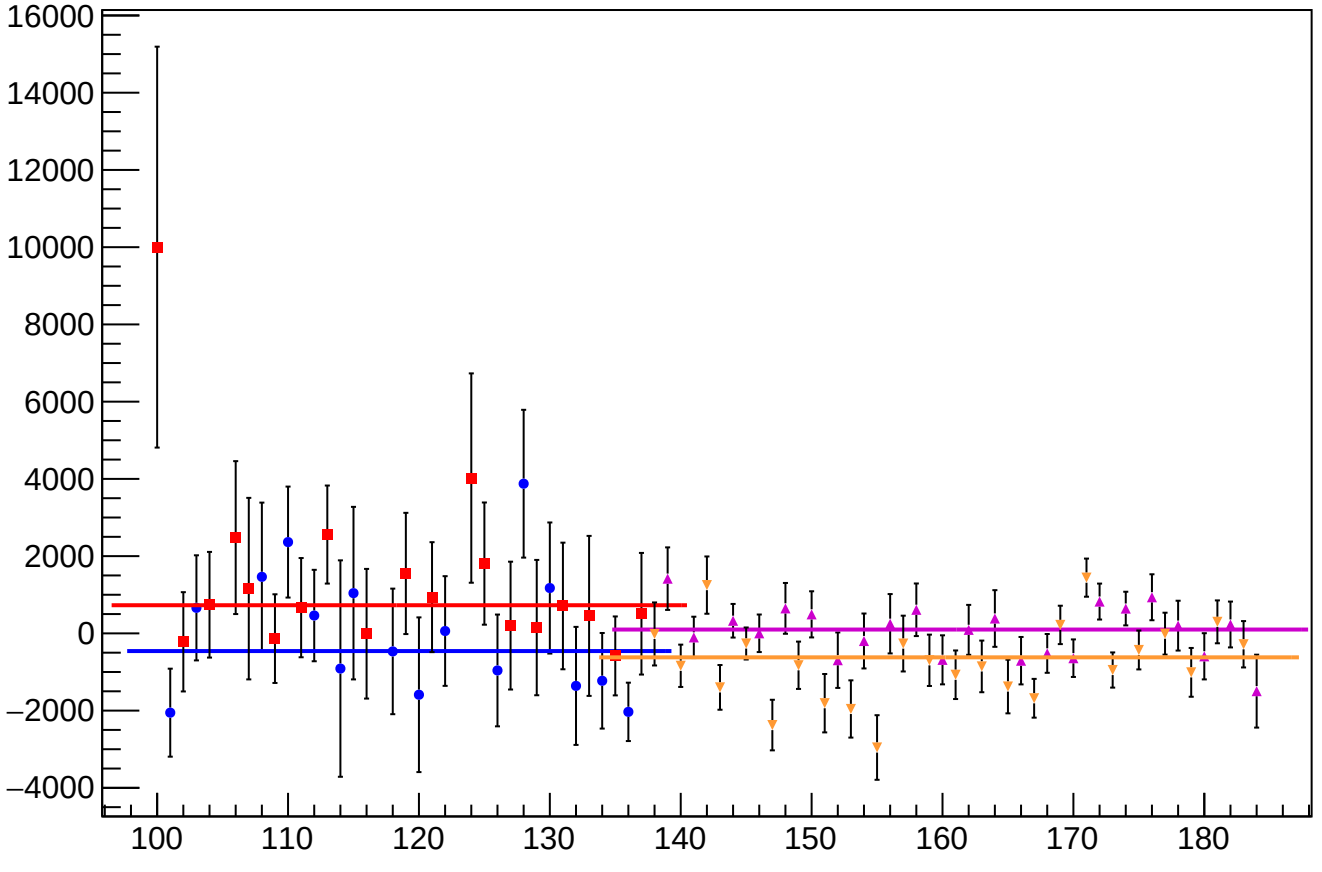
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 76.242+/-0.011 χ^2/NDF:1784424.3/38

Out: 76.256+/-0.011 χ^2/NDF:2199369.6/42

All: 76.249+/-0.008 χ^2/NDF: 3983794.8/81

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: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -267.209+/-85.716 χ^2/NDF: 104.0/46

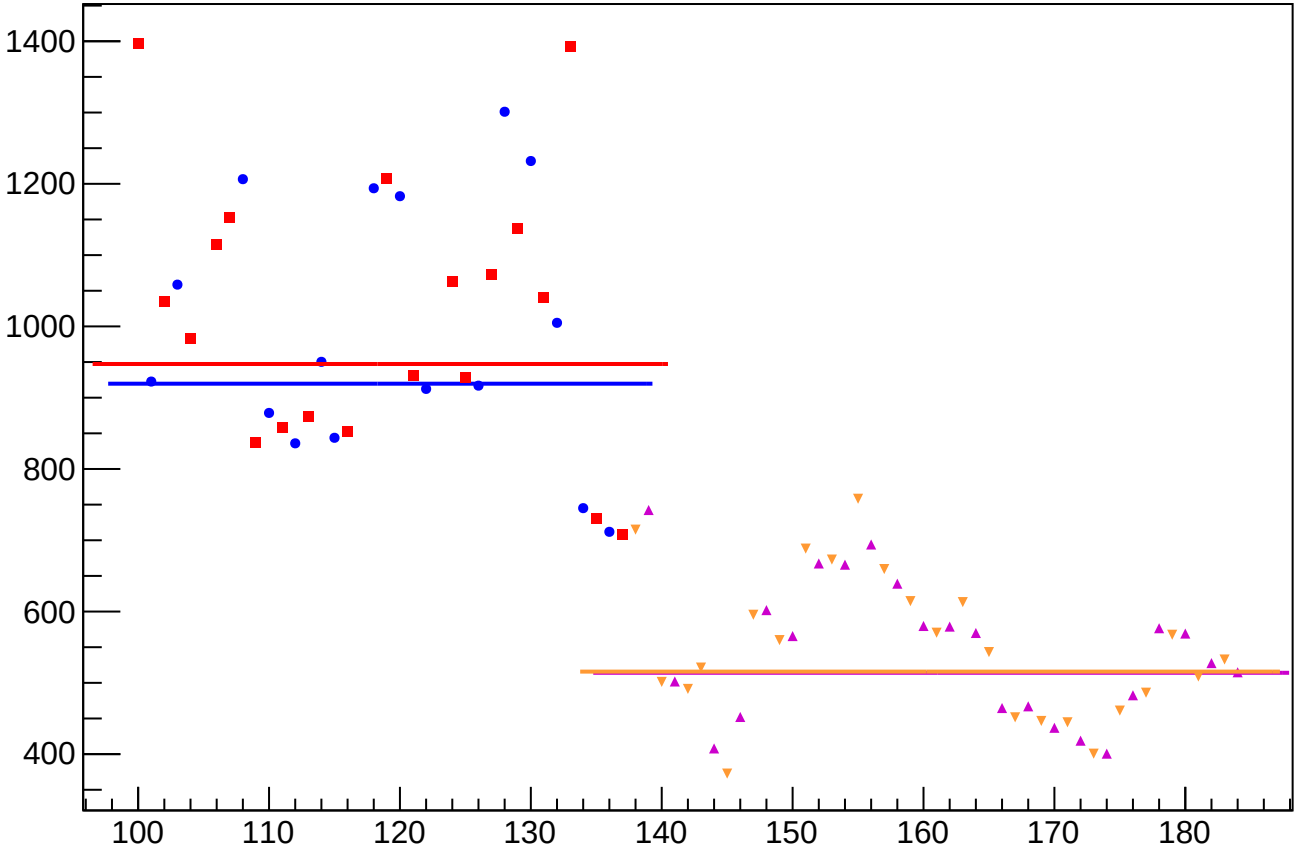
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 38.483+/-115.466 χ^2/NDF:46.2/38

Out: -480.320+/-113.737 χ^2/NDF:87.3/42

All: -224.832+/-81.028 χ^2/NDF: 143.8/81

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: 514.087+/-0.086 χ^2/NDF:1116882.7/22

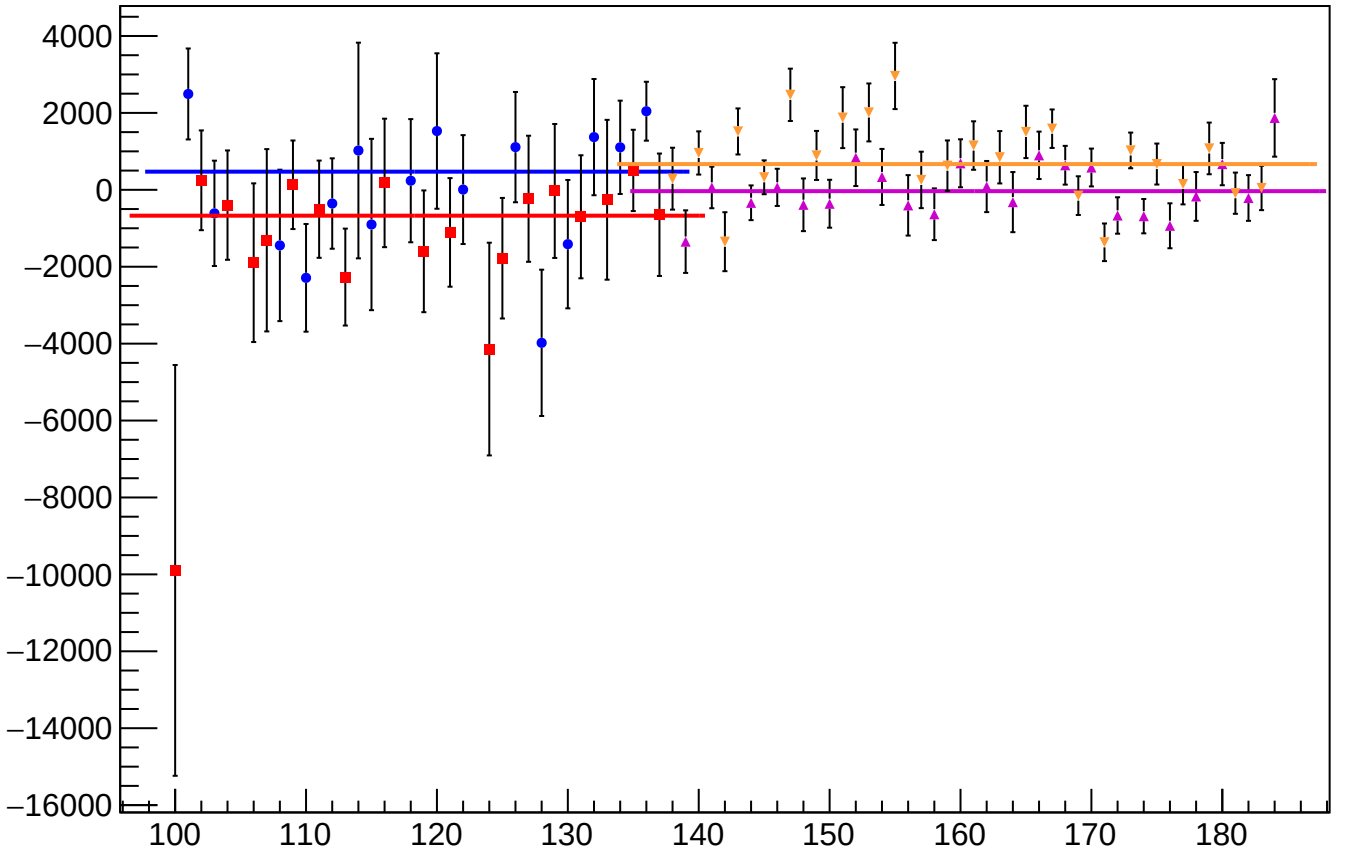
Left: 514.941+/-0.061 χ^2/NDF: 2349555.3/46

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 558.206+/-0.082 χ^2/NDF:4024418.8/38

Out: 560.670+/-0.080 χ^2/NDF:4342018.7/42

All: 559.457+/-0.057 χ^2/NDF: 8366899.7/81



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: -34.808+/-123.517 χ^2/NDF:25.1/22

Left: 321.558+/-86.777 χ^2/NDF: 102.1/46

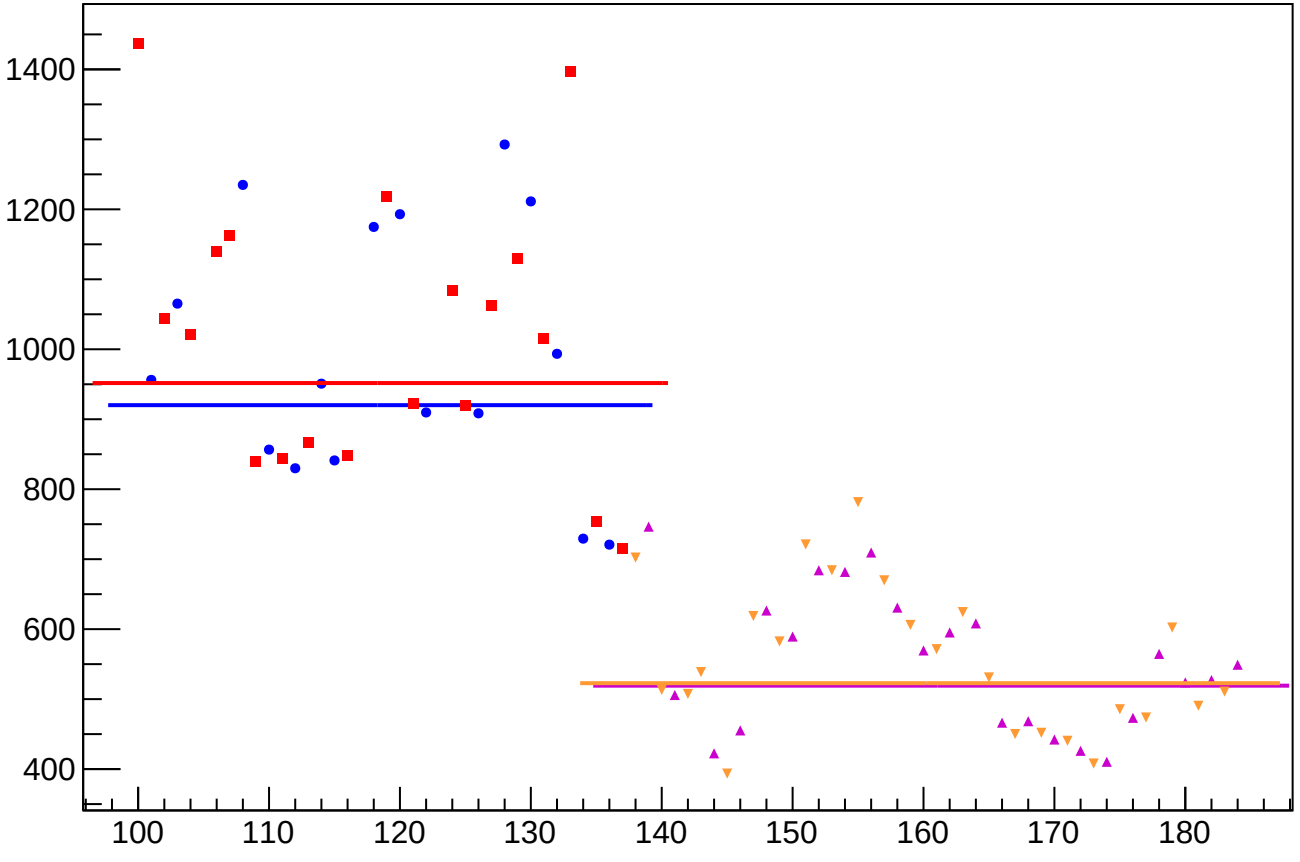
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 21.215+/-116.491 χ^2/NDF:48.5/38

Out: 526.969+/-115.311 χ^2/NDF:83.7/42

All: 276.667+/-81.951 χ^2/NDF: 141.7/81

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: 519.239+/-0.087 χ^2/NDF:1100553.3/22

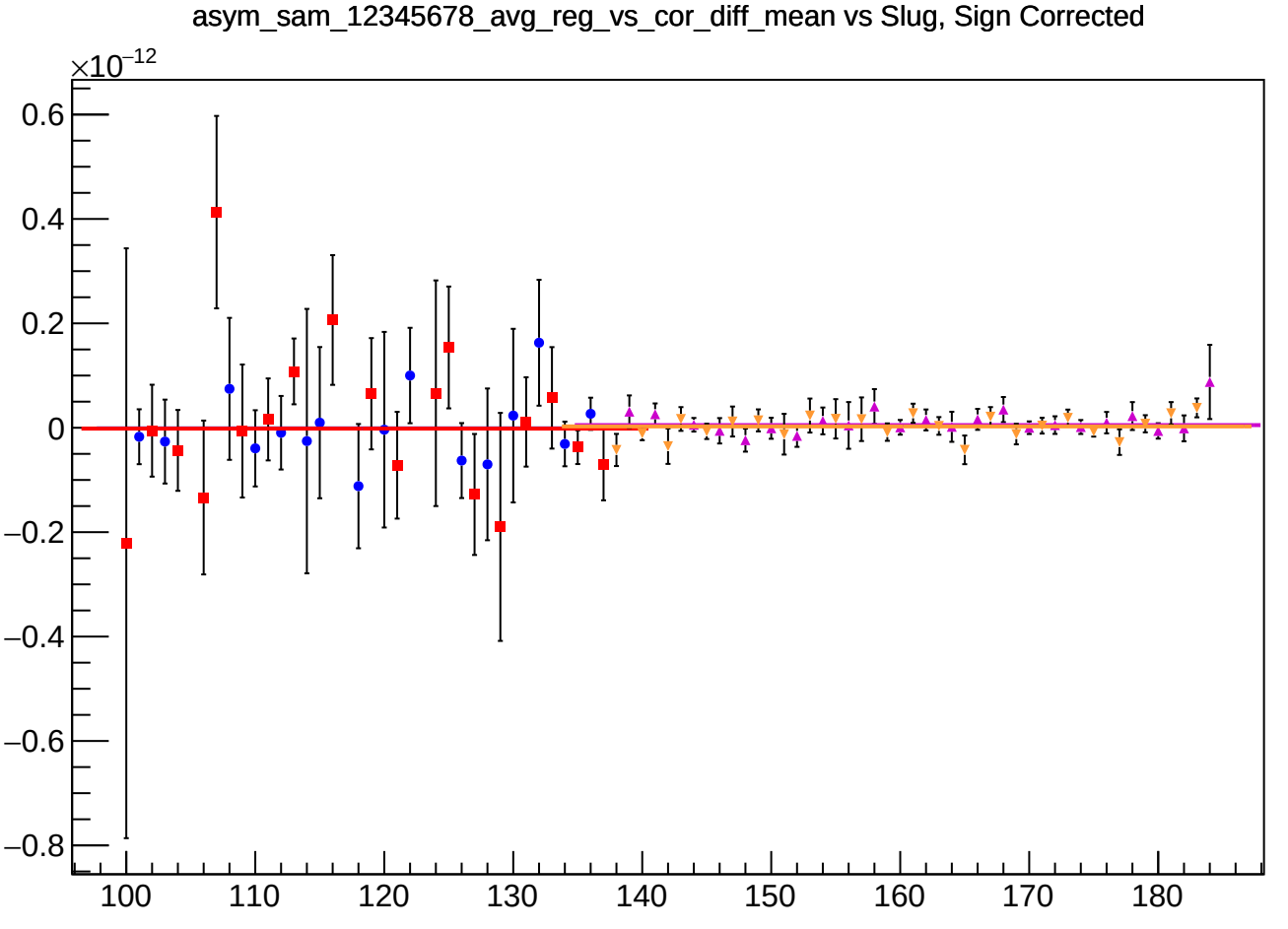
Left: 521.037+/-0.061 χ^2/NDF: 2323439.0/46

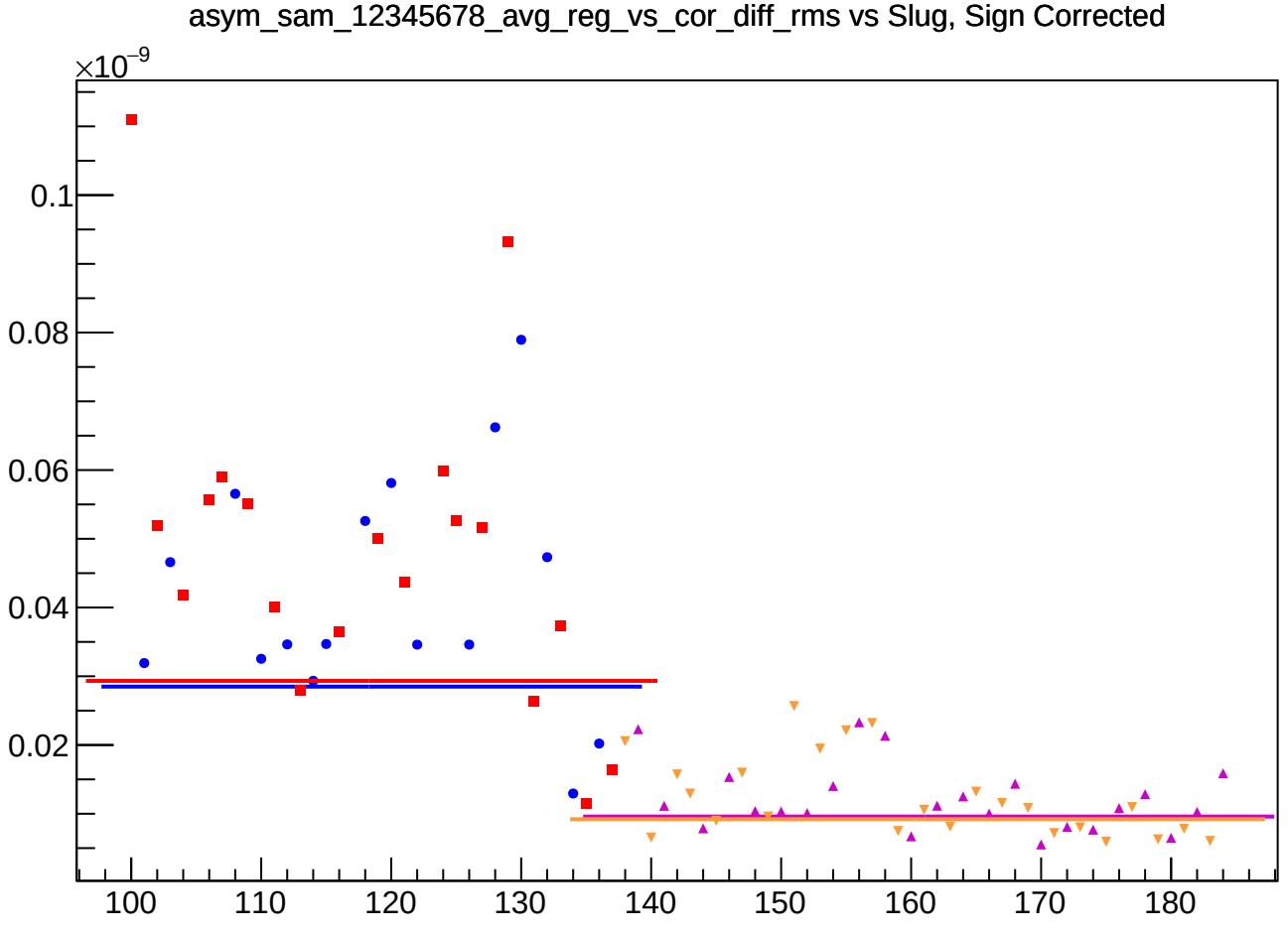
Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 563.553+/-0.082 χ^2/NDF:3938023.9/38

Out: 568.170+/-0.082 χ^2/NDF:4256287.6/42

All: 565.885+/-0.058 χ^2/NDF: 8195898.4/81


asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 7.0/15
Left Out: 0.000+/-0.000 χ²/NDF:21.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: 0.000+/-0.000 χ²/NDF:10.8/22
Left: 0.000+/-0.000 χ²/NDF: 32.8/46
Right: -0.000+/-0.000 χ²/NDF: 26.5/34
In: 0.000+/-0.000 χ²/NDF:17.9/38
Out: 0.000+/-0.000 χ²/NDF:41.2/42
All: 0.000+/-0.000 χ²/NDF: 59.4/81



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:1614718.4/22

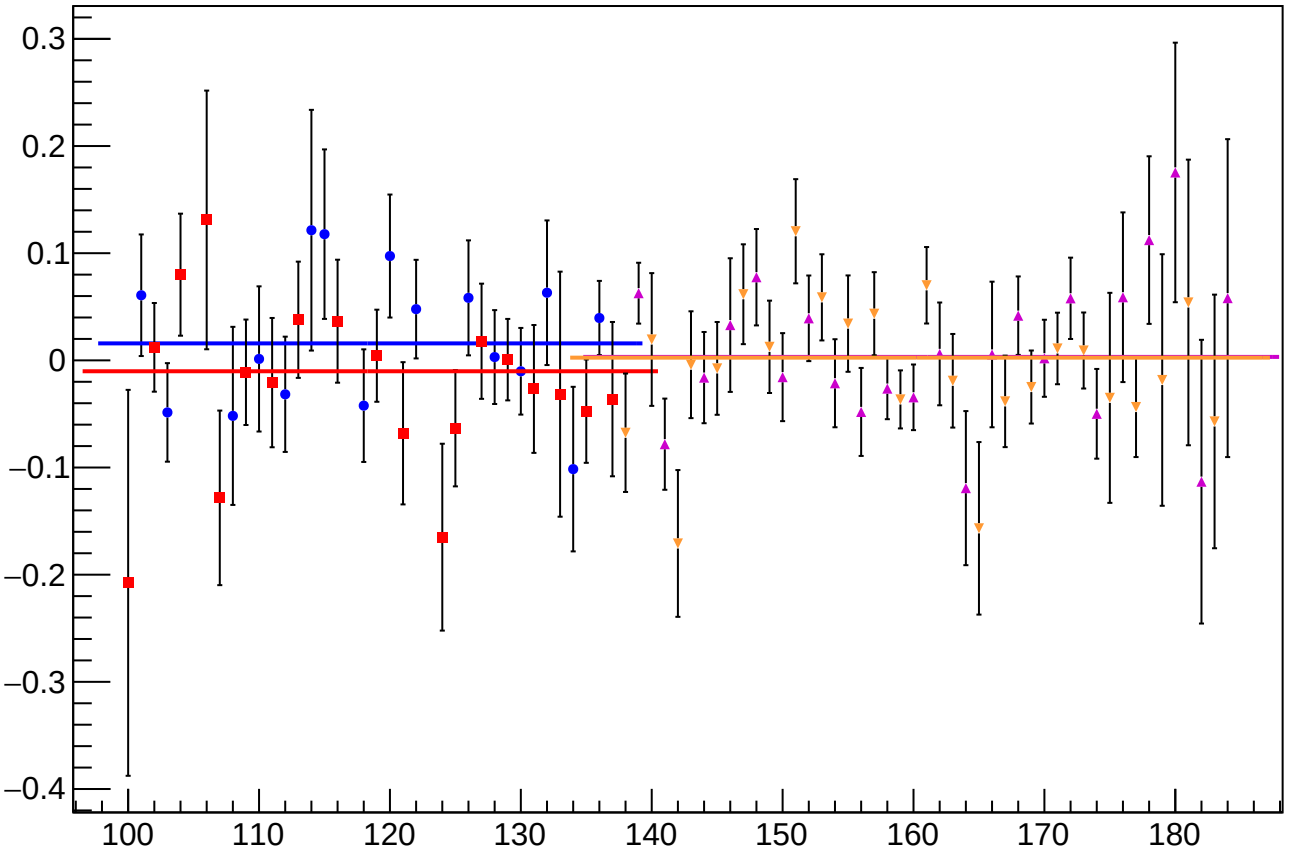
Left: 0.000+/-0.000 χ^2/NDF: 3760736.6/46

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:4930730.6/38

Out: 0.000+/-0.000 χ^2/NDF:5882650.2/42

All: 0.000+/-0.000 χ^2/NDF: 10833843.6/81



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:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.1/46

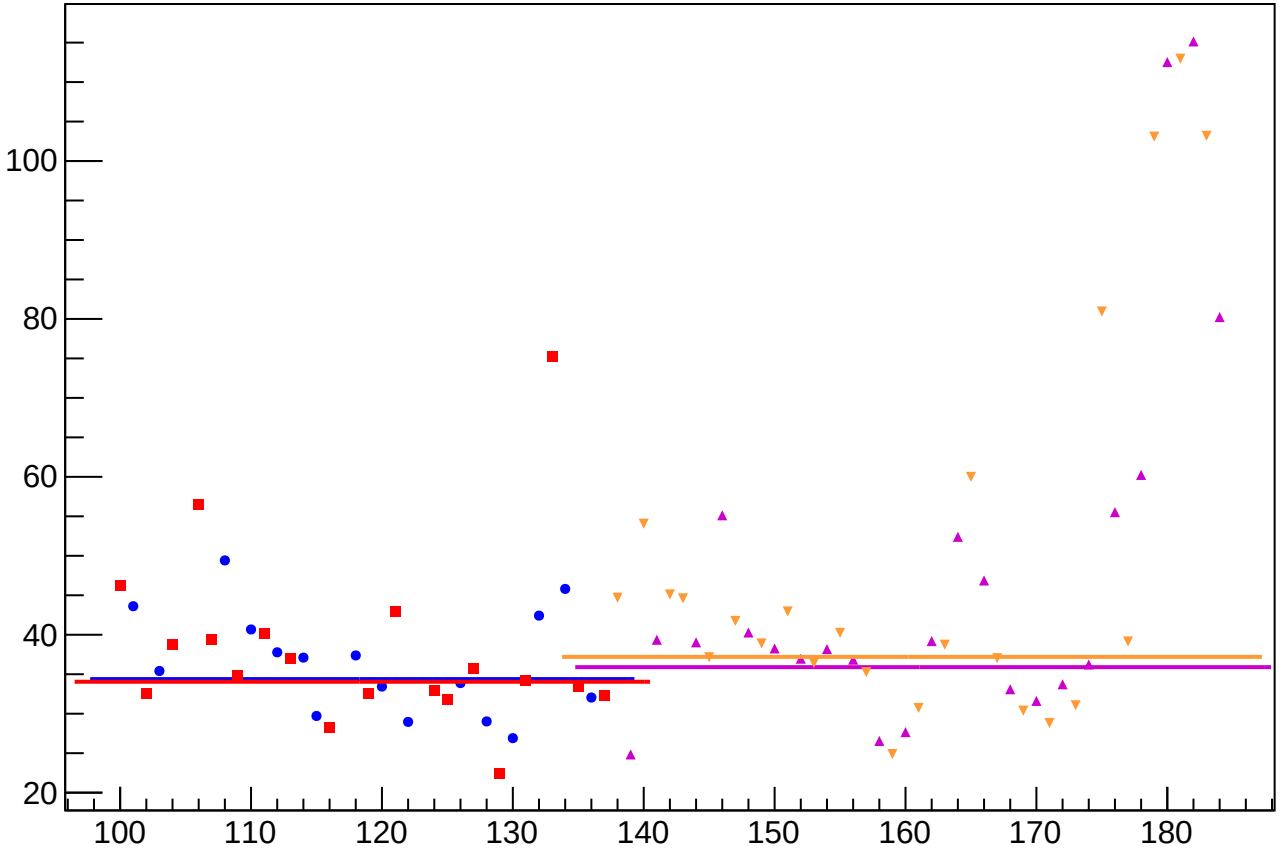
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:45.2/38

Out: -0.002+/-0.008 χ^2/NDF:48.1/42

All: 0.003+/-0.005 χ^2/NDF: 93.9/81

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: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.539+/-0.005 χ^2/NDF: 6687161.6/46

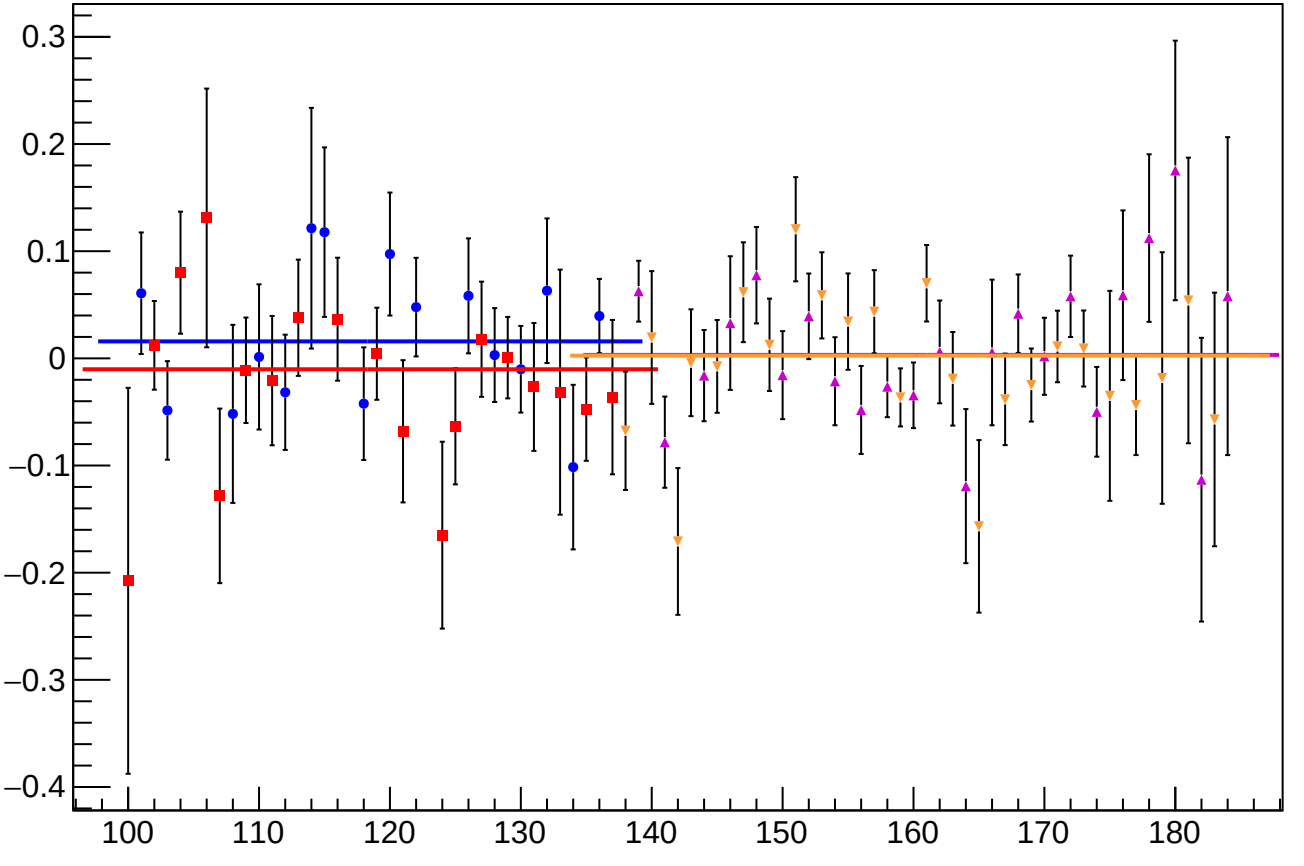
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 35.414+/-0.005 χ^2/NDF:3523588.1/38

Out: 36.157+/-0.005 χ^2/NDF:4247838.5/42

All: 35.784+/-0.004 χ^2/NDF: 7781070.4/81

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:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.1/46

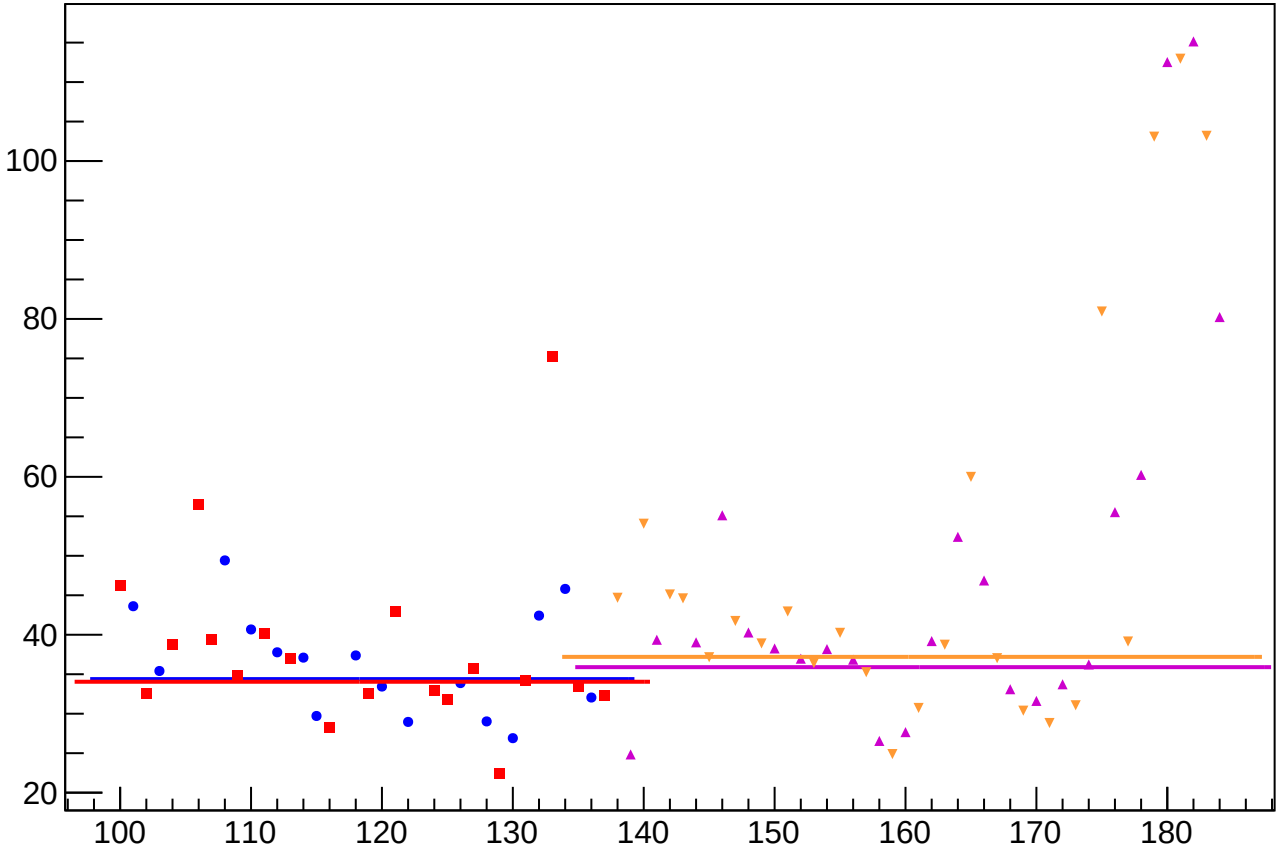
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:45.2/38

Out: -0.002+/-0.008 χ^2/NDF:48.1/42

All: 0.003+/-0.005 χ^2/NDF: 93.9/81

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: 35.896+/-0.006 χ^2/NDF:3138291.6/22

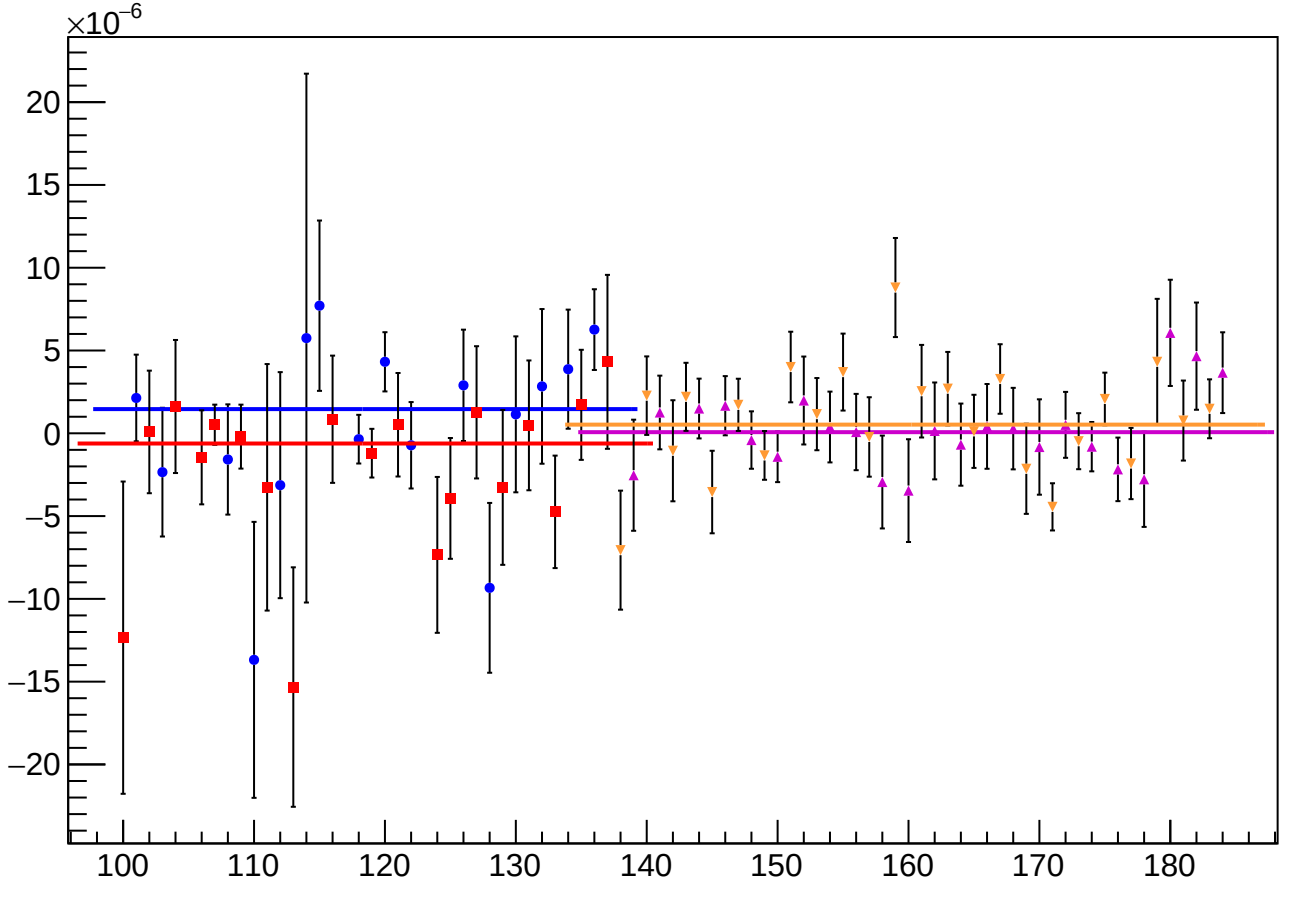
Left: 36.539+/-0.005 χ^2/NDF: 6687161.6/46

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 35.414+/-0.005 χ^2/NDF:3523588.1/38

Out: 36.157+/-0.005 χ^2/NDF:4247838.5/42

All: 35.784+/-0.004 χ^2/NDF: 7781070.4/81



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:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 60.7/46

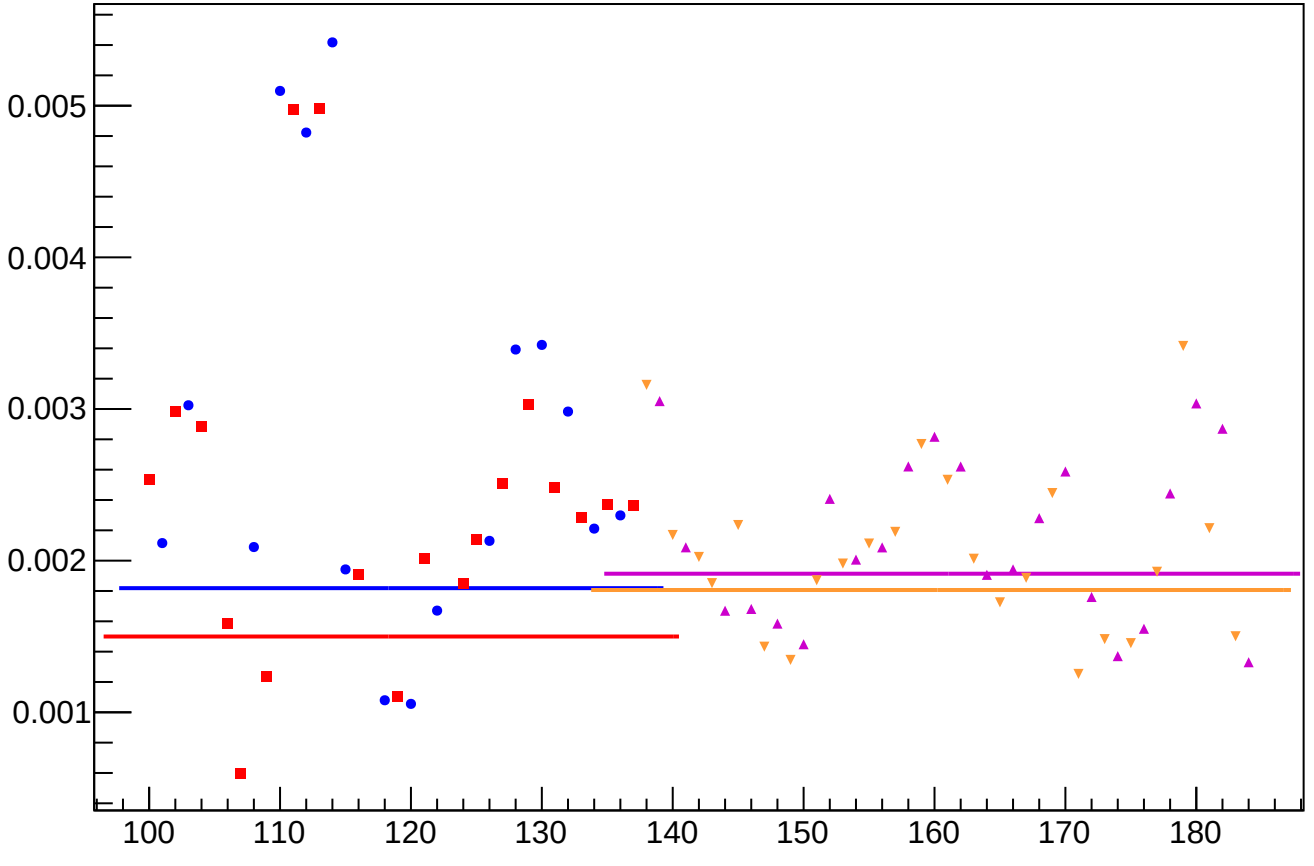
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:40.4/38

Out: 0.000+/-0.000 χ^2/NDF:59.4/42

All: 0.000+/-0.000 χ^2/NDF: 100.0/81

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:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4465821.8/46

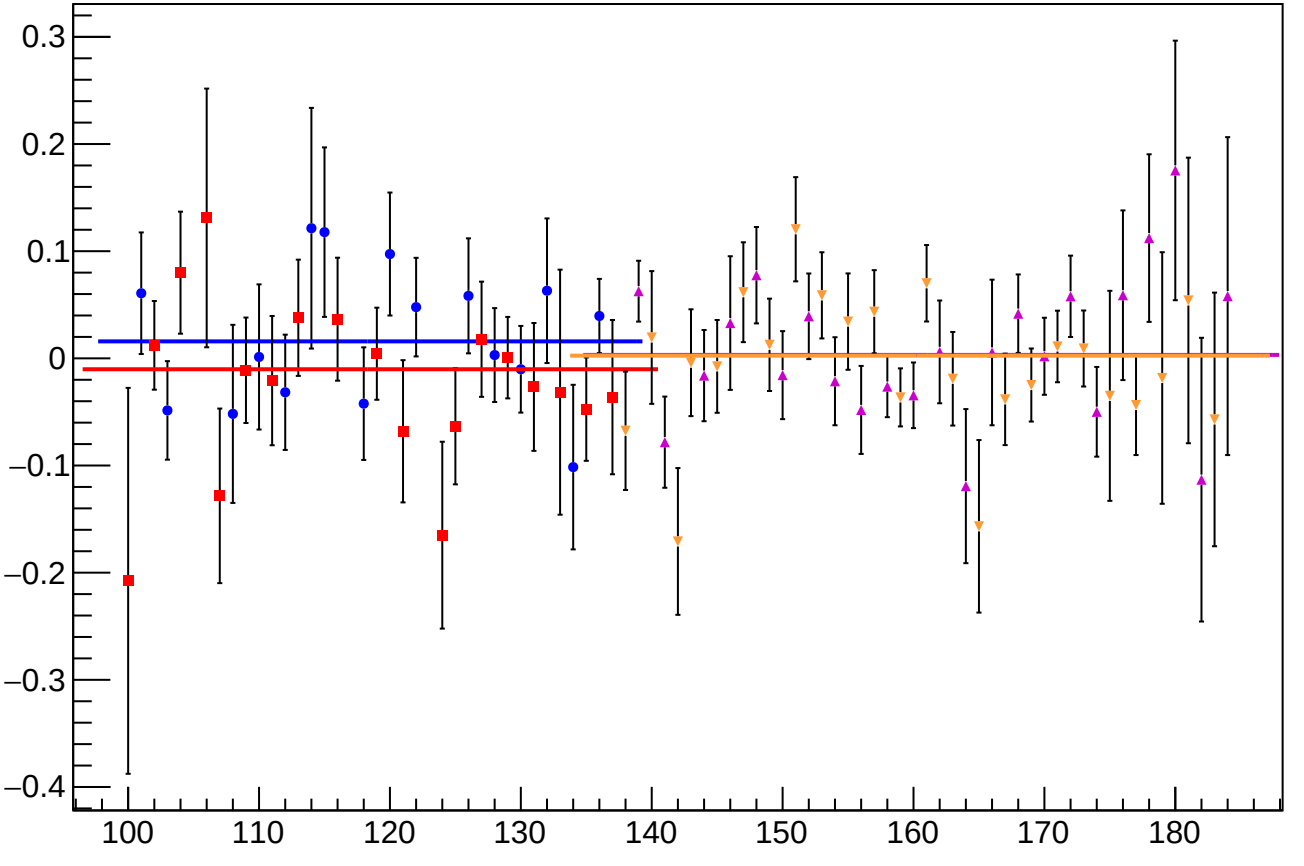
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:4765120.5/38

Out: 0.002+/-0.000 χ^2/NDF:6238458.9/42

All: 0.002+/-0.000 χ^2/NDF: 11218755.1/81

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:29.8/22

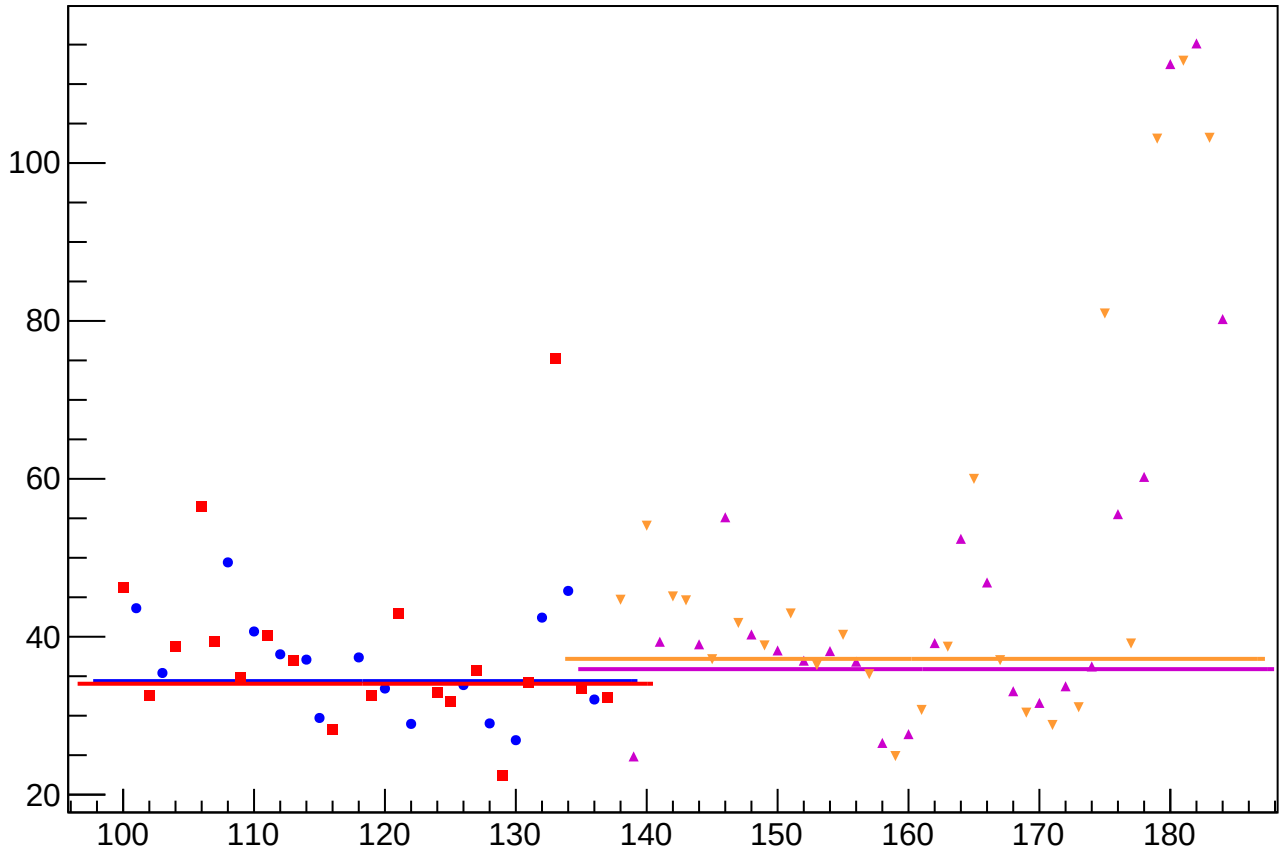
Left: 0.003+/-0.007 χ^2/NDF: 62.1/46

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:45.2/38

Out: -0.002+/-0.008 χ^2/NDF:48.1/42

All: 0.003+/-0.005 χ^2/NDF: 94.0/81



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: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.539+/-0.005 χ^2/NDF: 6687227.0/46

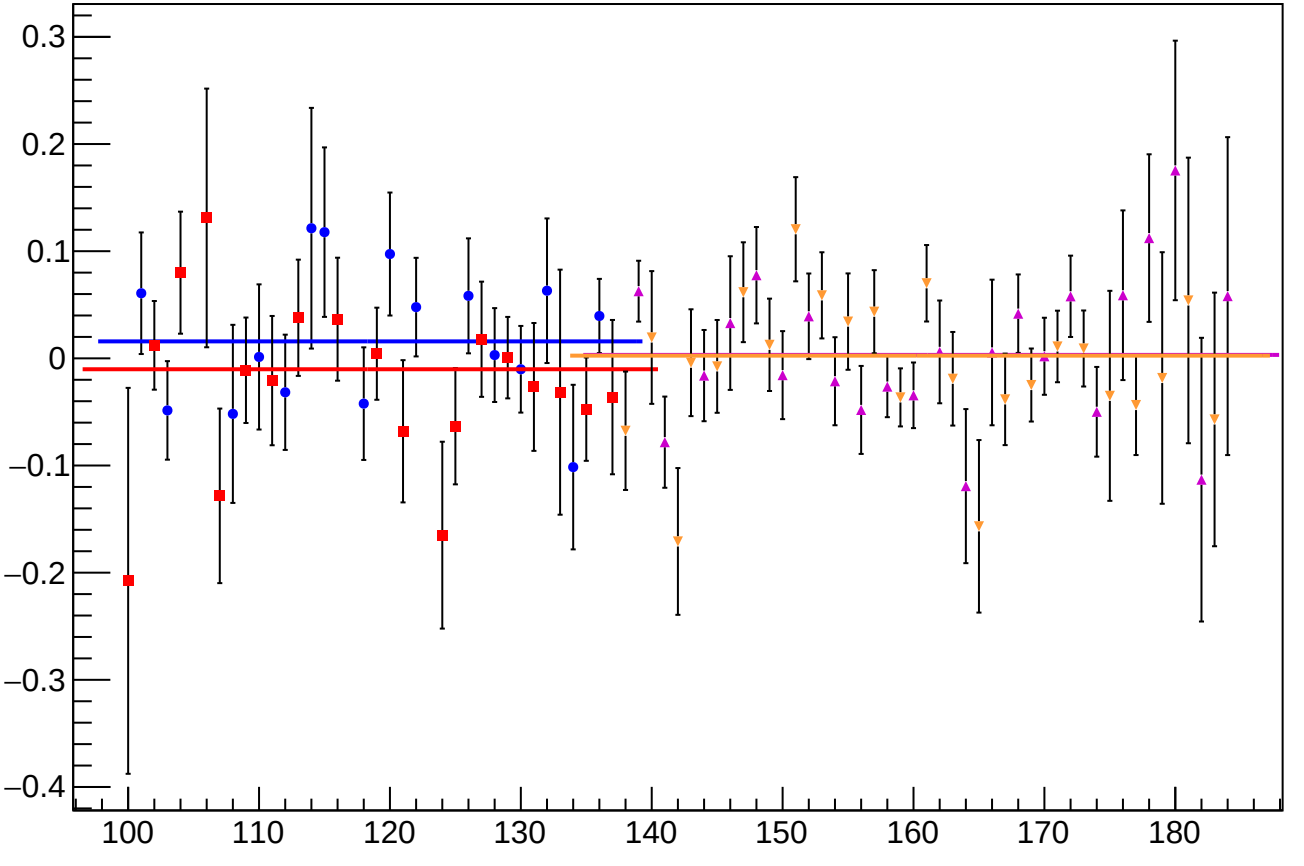
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 35.414+/-0.005 χ^2/NDF:3523685.8/38

Out: 36.157+/-0.005 χ^2/NDF:4247971.8/42

All: 35.784+/-0.004 χ^2/NDF: 7781301.0/81

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:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.1/46

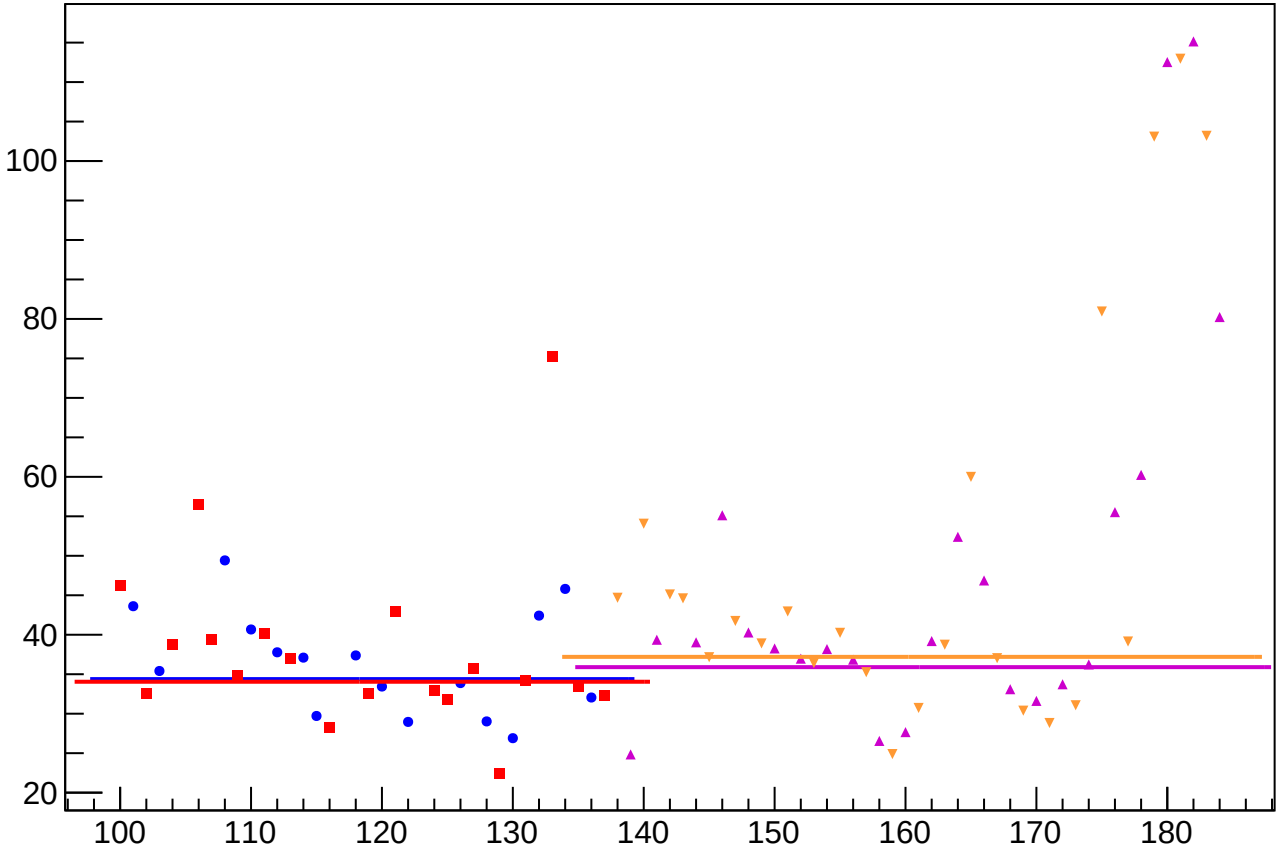
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:45.2/38

Out: -0.002+/-0.008 χ^2/NDF:48.1/42

All: 0.003+/-0.005 χ^2/NDF: 94.0/81

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: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.539+/-0.005 χ^2/NDF: 6687227.0/46

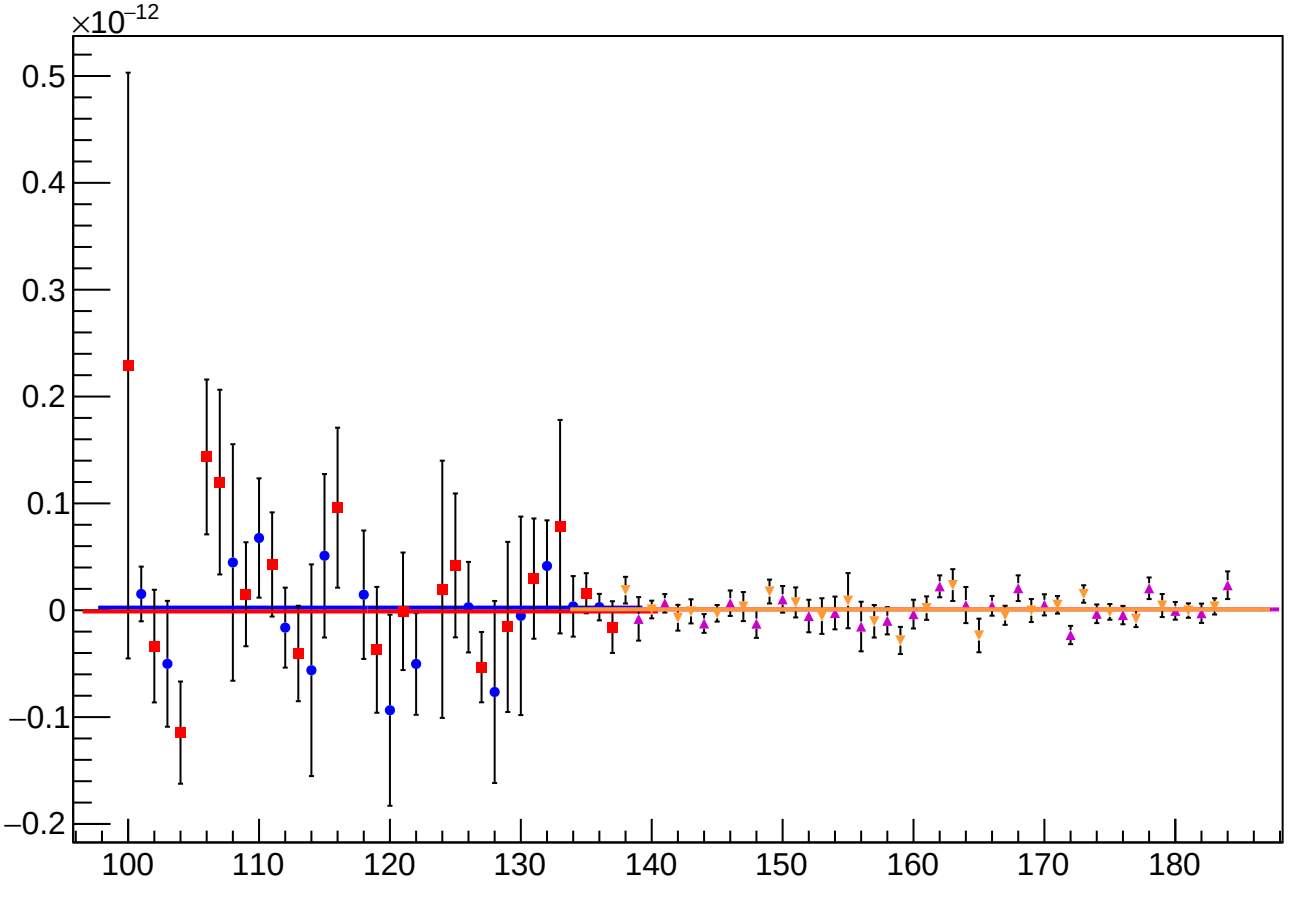
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 35.414+/-0.005 χ^2/NDF:3523685.8/38

Out: 36.157+/-0.005 χ^2/NDF:4247971.8/42

All: 35.784+/-0.004 χ^2/NDF: 7781301.0/81

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:29.2/22

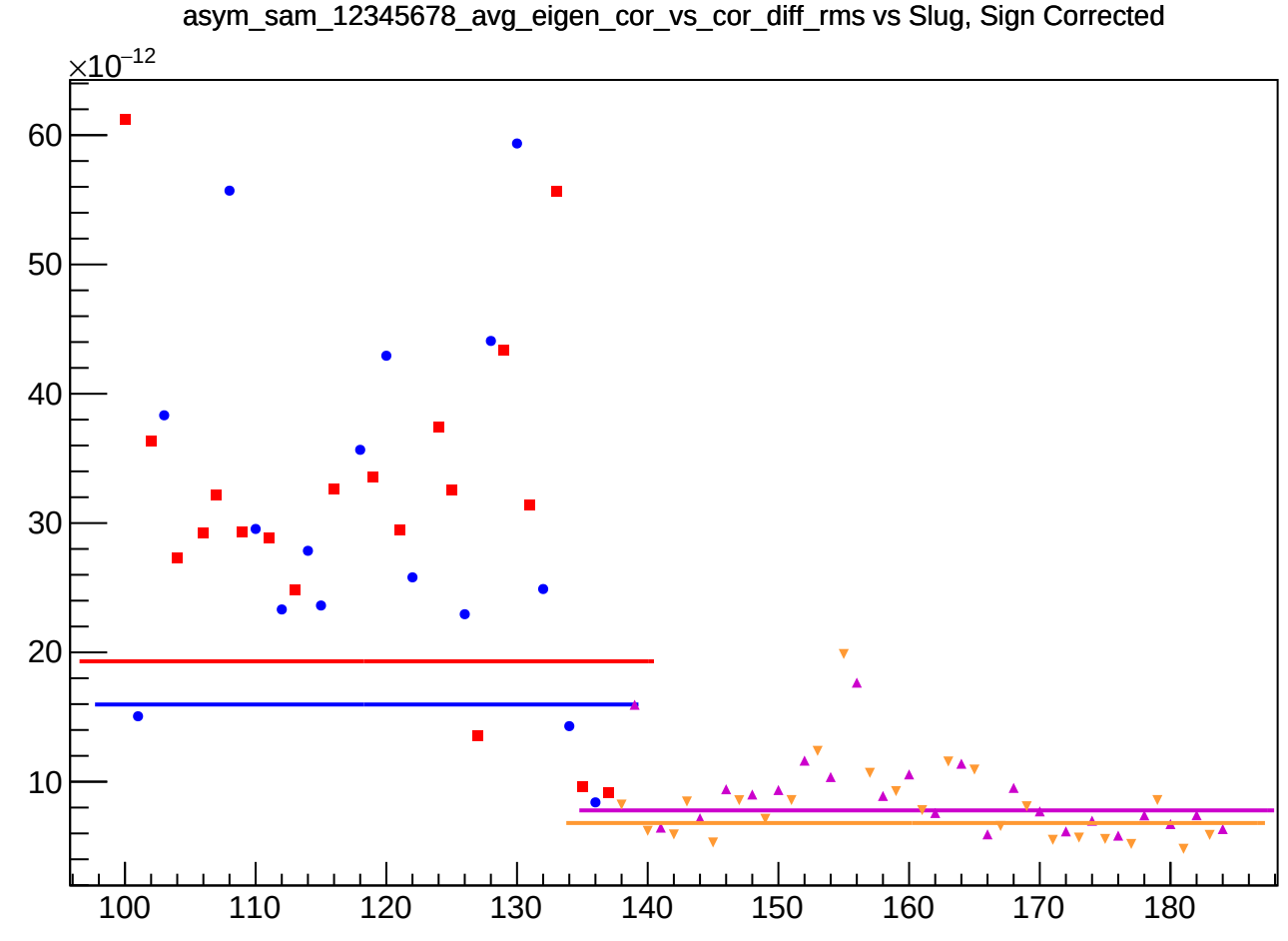
Left: 0.000+/-0.000 χ^2/NDF: 50.6/46

Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: 0.000+/-0.000 χ^2/NDF:36.9/38

Out: 0.000+/-0.000 χ^2/NDF:42.9/42

All: 0.000+/-0.000 χ^2/NDF: 79.8/81



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:1582294.4/22

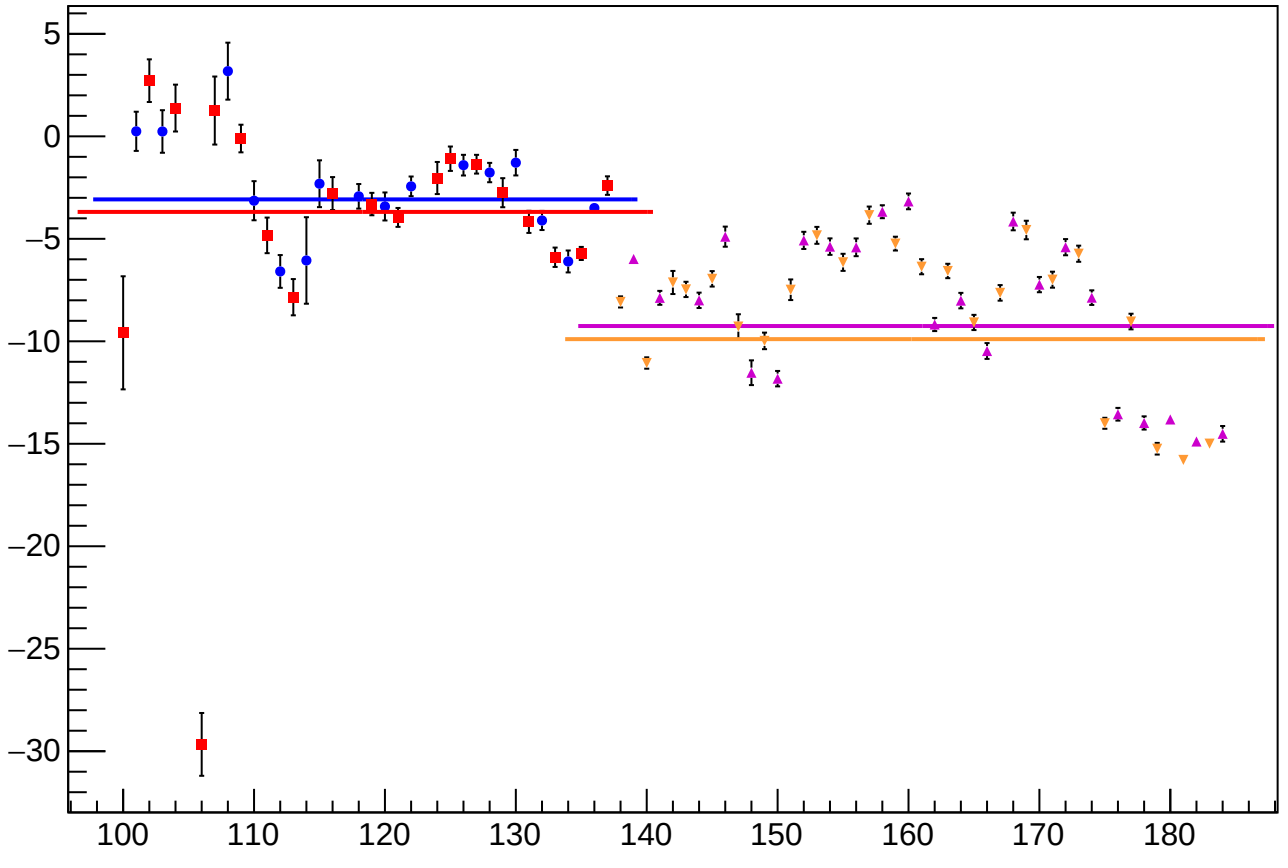
Left: 0.000+/-0.000 χ^2/NDF: 3834952.6/46

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:6056788.6/38

Out: 0.000+/-0.000 χ^2/NDF:7375076.0/42

All: 0.000+/-0.000 χ^2/NDF: 13659621.3/81



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: -9.255+/-0.072 χ^2/NDF:3067.6/22

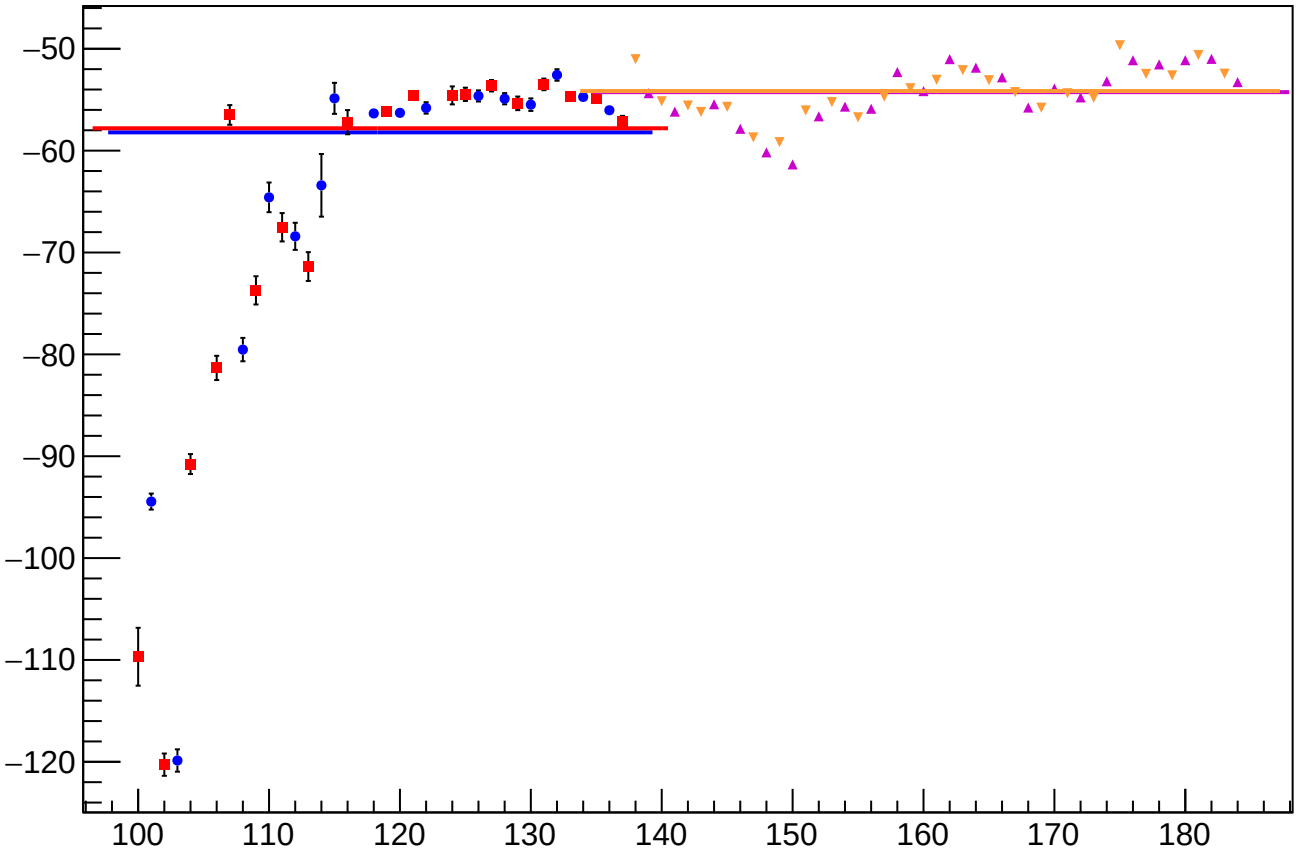
Left: -9.582+/-0.050 χ^2/NDF: 6314.4/46

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -7.901+/-0.063 χ^2/NDF:4831.3/38

Out: -8.653+/-0.063 χ^2/NDF:5309.4/42

All: -8.281+/-0.045 χ^2/NDF: 10211.9/81



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: -54.257+/-0.058 χ^2/NDF:2489.9/22

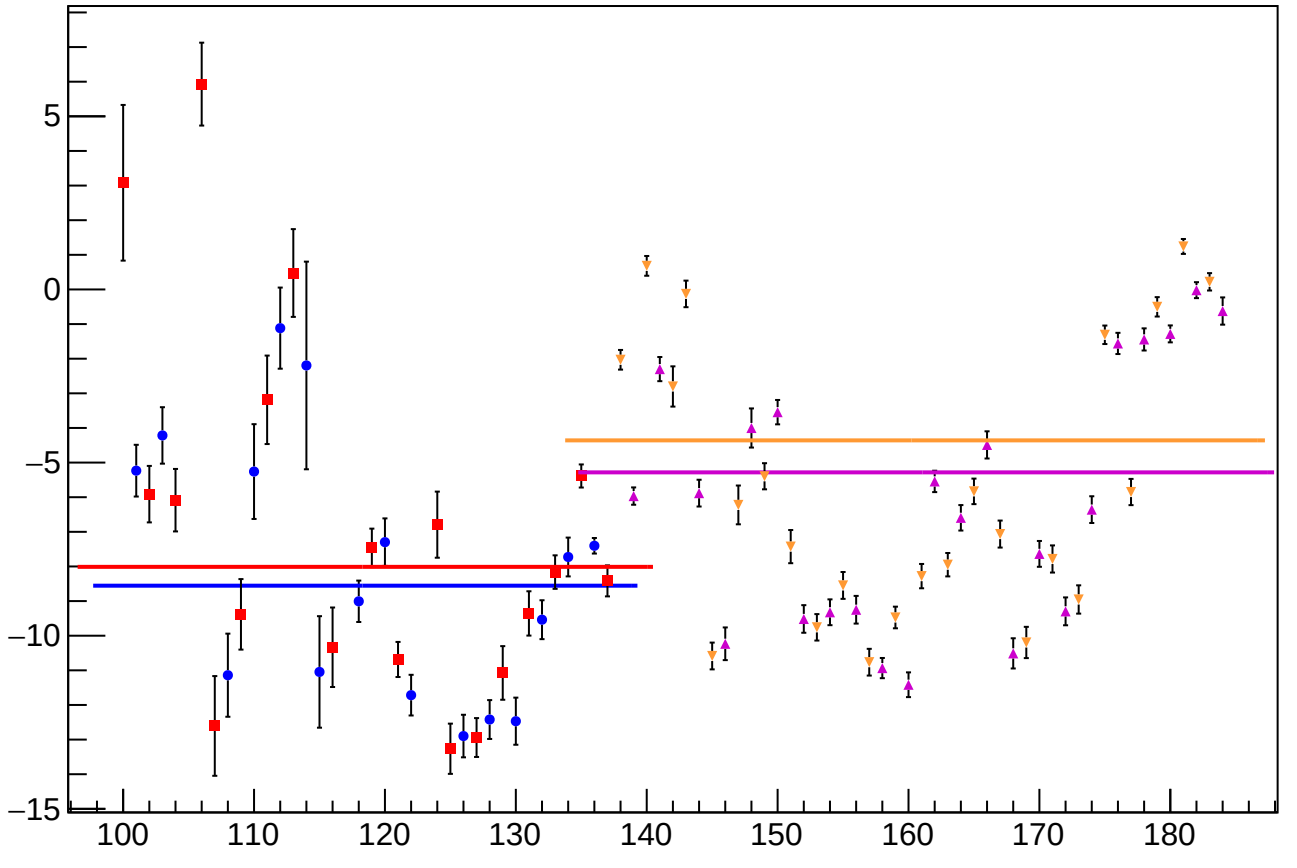
Left: -54.201+/-0.040 χ^2/NDF: 4273.4/46

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -54.873+/-0.054 χ^2/NDF:9332.4/38

Out: -54.666+/-0.052 χ^2/NDF:8172.5/42

All: -54.767+/-0.037 χ^2/NDF: 17512.5/81



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: -5.283+/-0.071 χ^2/NDF:2750.2/22

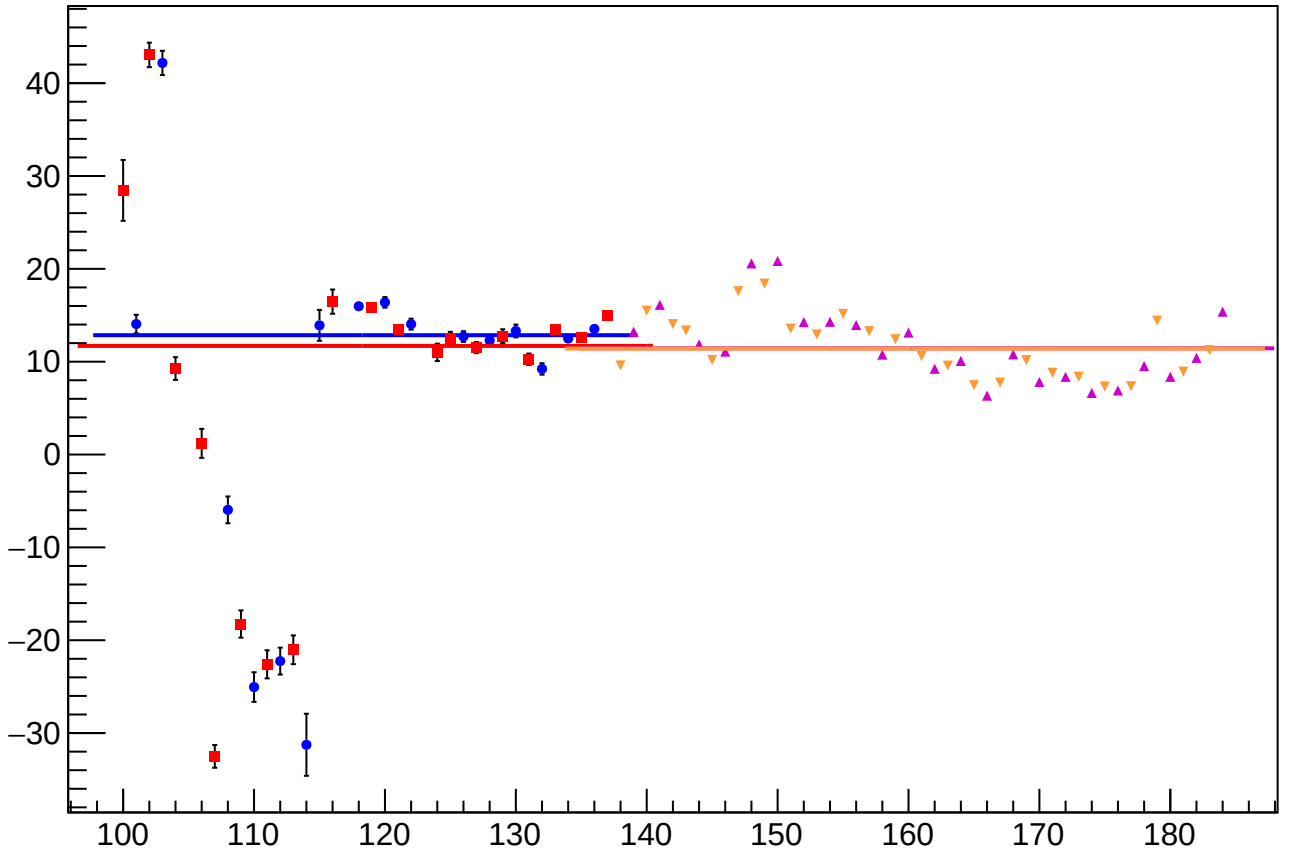
Left: -4.812+/-0.050 χ^2/NDF: 6536.9/46

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -5.919+/-0.064 χ^2/NDF:3462.8/38

Out: -4.988+/-0.063 χ^2/NDF:4662.1/42

All: -5.451+/-0.045 χ^2/NDF: 8231.9/81



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: 11.441+/-0.064 χ^2/NDF:3358.4/22

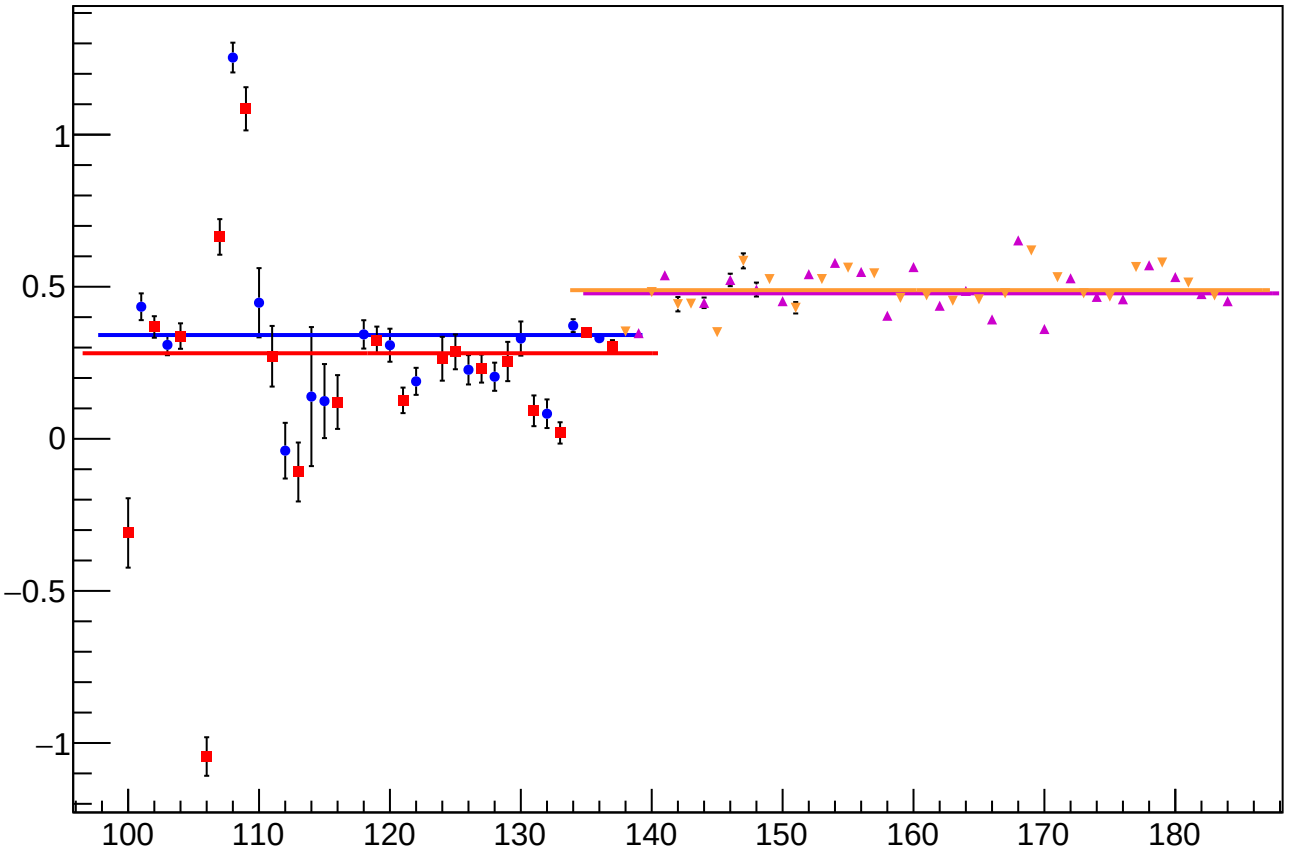
Left: 11.426+/-0.045 χ^2/NDF: 5783.2/46

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 11.659+/-0.059 χ^2/NDF:5561.5/38

Out: 11.452+/-0.058 χ^2/NDF:5926.5/42

All: 11.554+/-0.041 χ^2/NDF: 11494.1/81



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: 0.478+/-0.003 χ^2/NDF:798.2/22

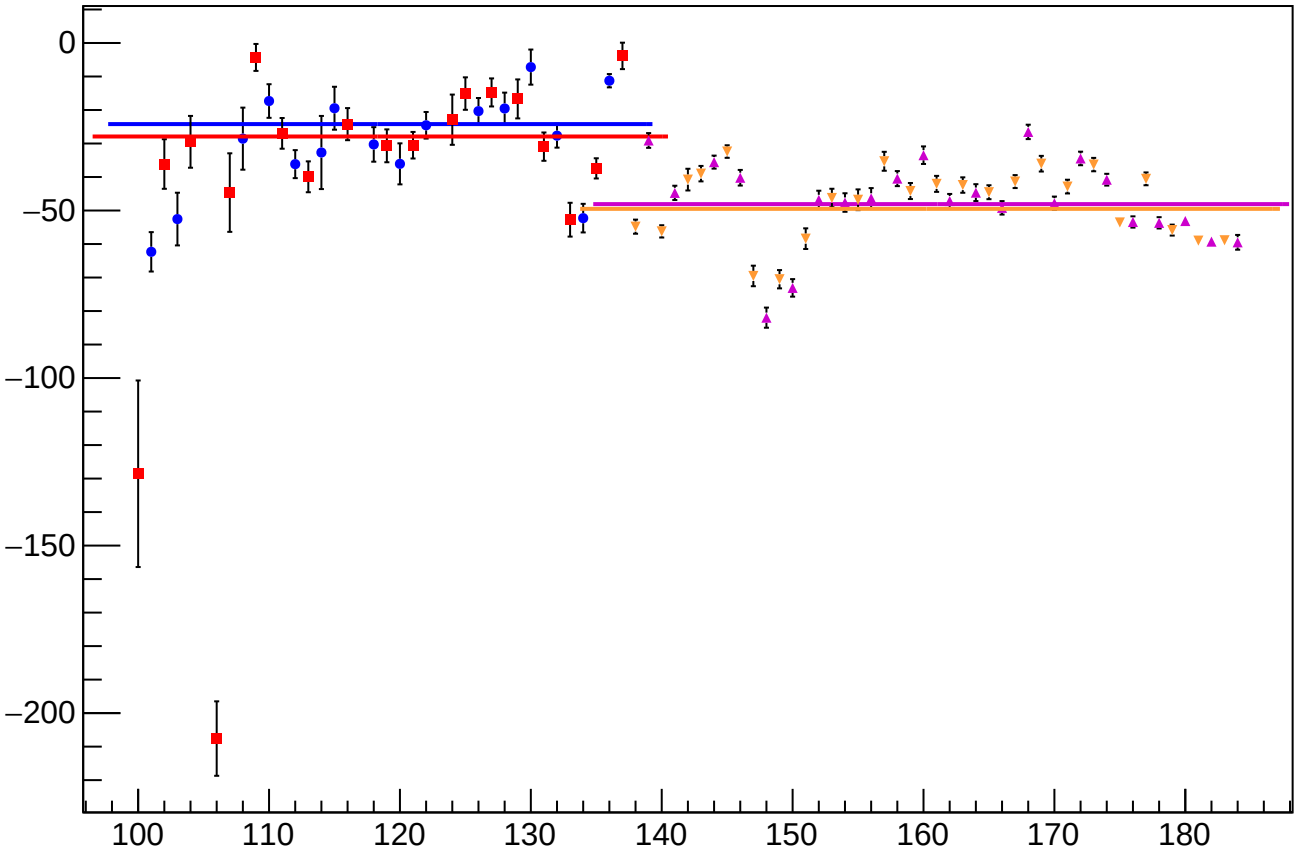
Left: 0.483+/-0.002 χ^2/NDF: 1336.9/46

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.463+/-0.003 χ^2/NDF:1503.1/38

Out: 0.469+/-0.003 χ^2/NDF:1851.3/42

All: 0.466+/-0.002 χ^2/NDF: 3356.7/81



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: -48.087+/-0.418 χ^2/NDF:706.2/22

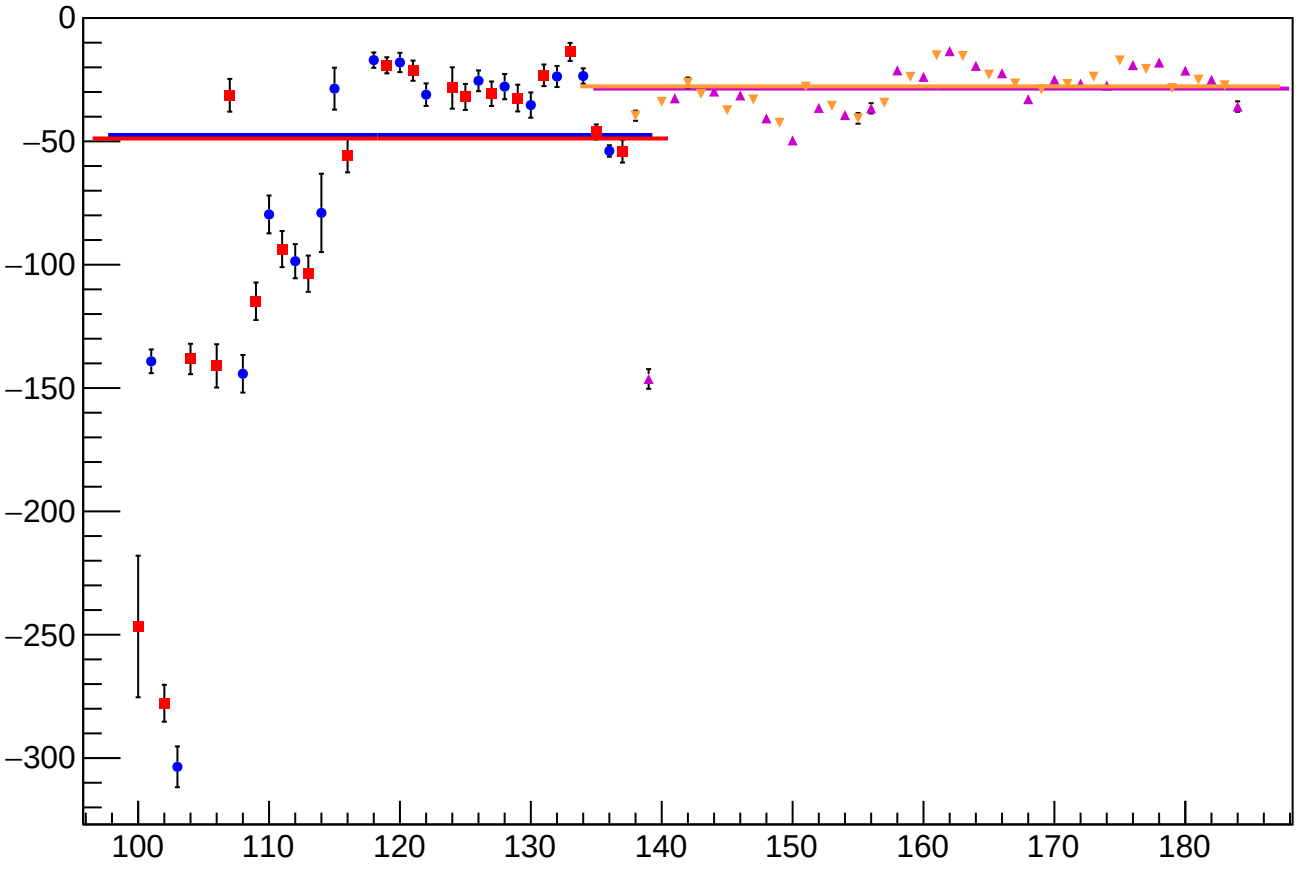
Left: -48.814+/-0.292 χ^2/NDF: 1288.4/46

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -45.001+/-0.391 χ^2/NDF:1297.7/38

Out: -47.050+/-0.383 χ^2/NDF:1309.5/42

All: -46.045+/-0.274 χ^2/NDF: 2621.3/81



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: -28.592+/-0.334 χ^2/NDF:1480.6/22

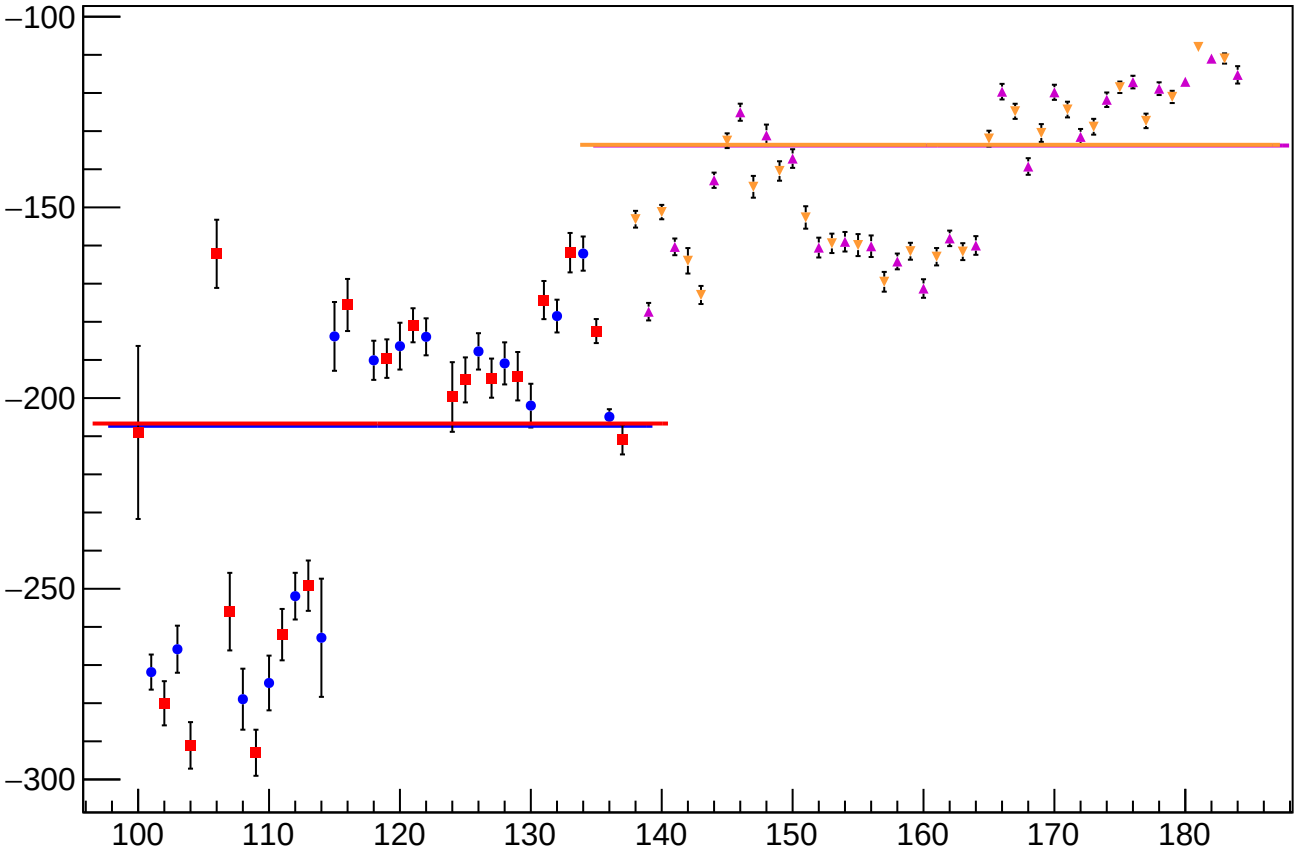
Left: -28.138+/-0.233 χ^2/NDF: 1952.4/46

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -30.176+/-0.319 χ^2/NDF:3622.0/38

Out: -29.187+/-0.313 χ^2/NDF:2539.6/42

All: -29.672+/-0.223 χ^2/NDF: 6166.5/81



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: -133.777+/-0.417 χ^2/NDF:2440.7/22

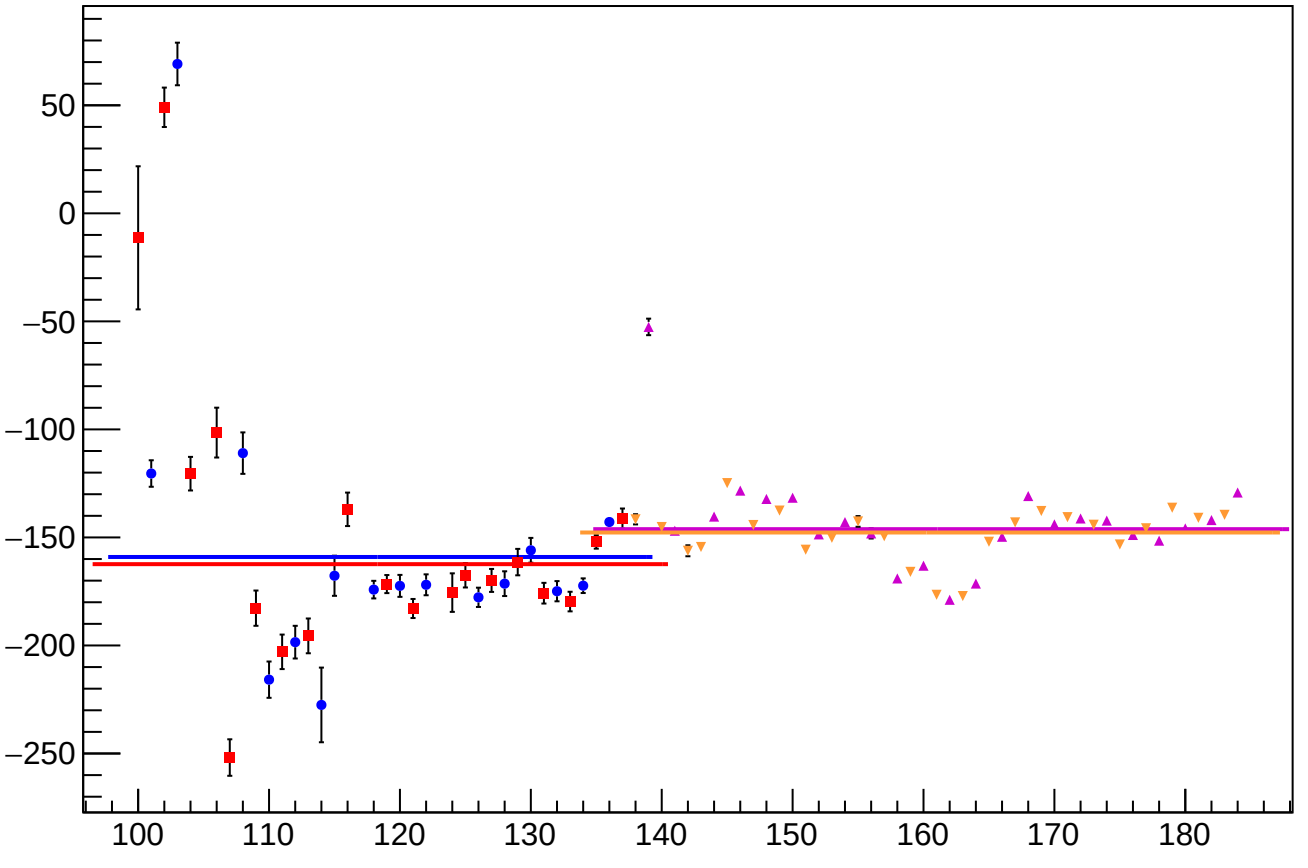
Left: -133.681+/-0.291 χ^2/NDF: 4917.0/46

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -141.956+/-0.393 χ^2/NDF:6645.9/38

Out: -140.313+/-0.388 χ^2/NDF:6408.2/42

All: -141.124+/-0.276 χ^2/NDF: 13063.0/81



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: -146.173+/-0.371 χ^2/NDF:1793.8/22

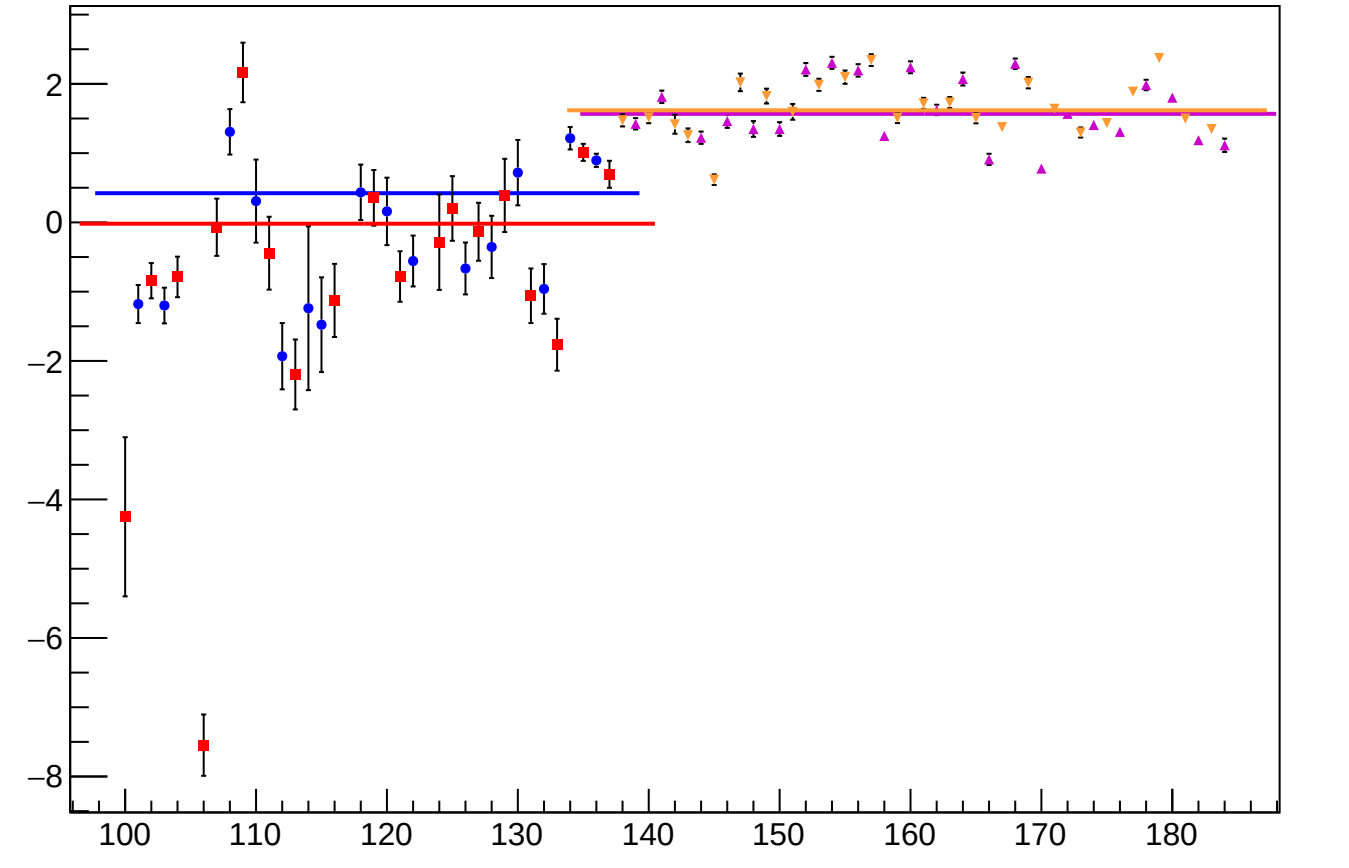
Left: -146.962+/-0.259 χ^2/NDF: 2942.5/46

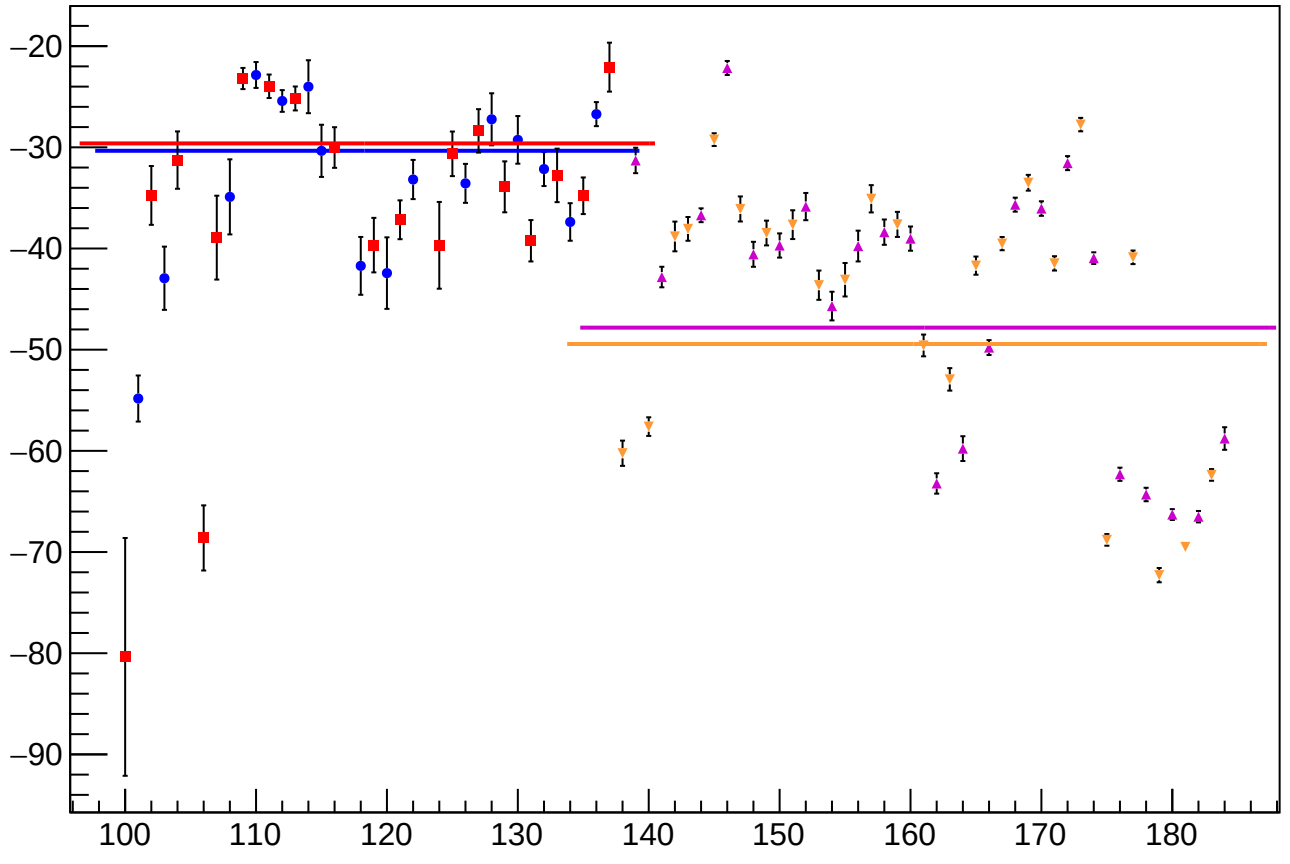
Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

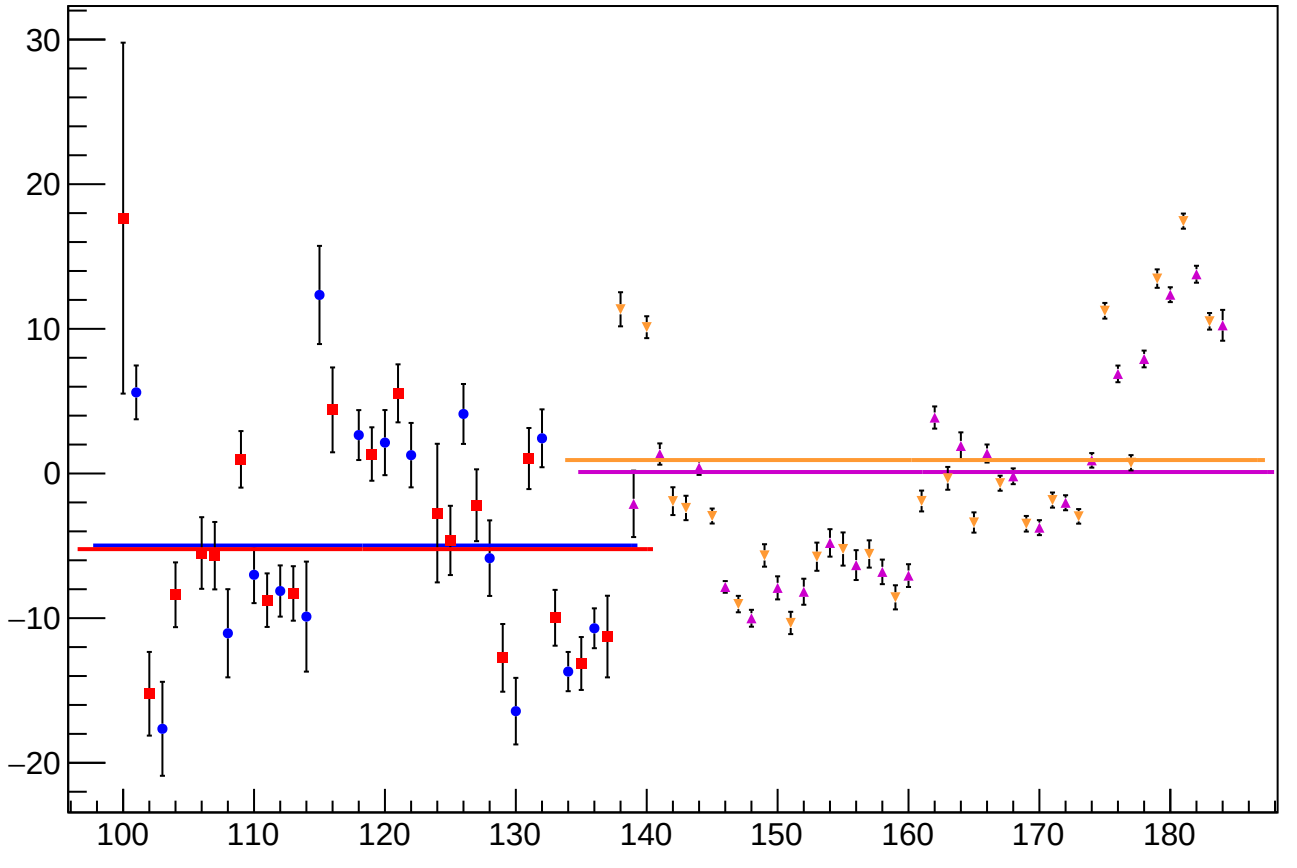
In: -147.252+/-0.355 χ^2/NDF:2710.7/38

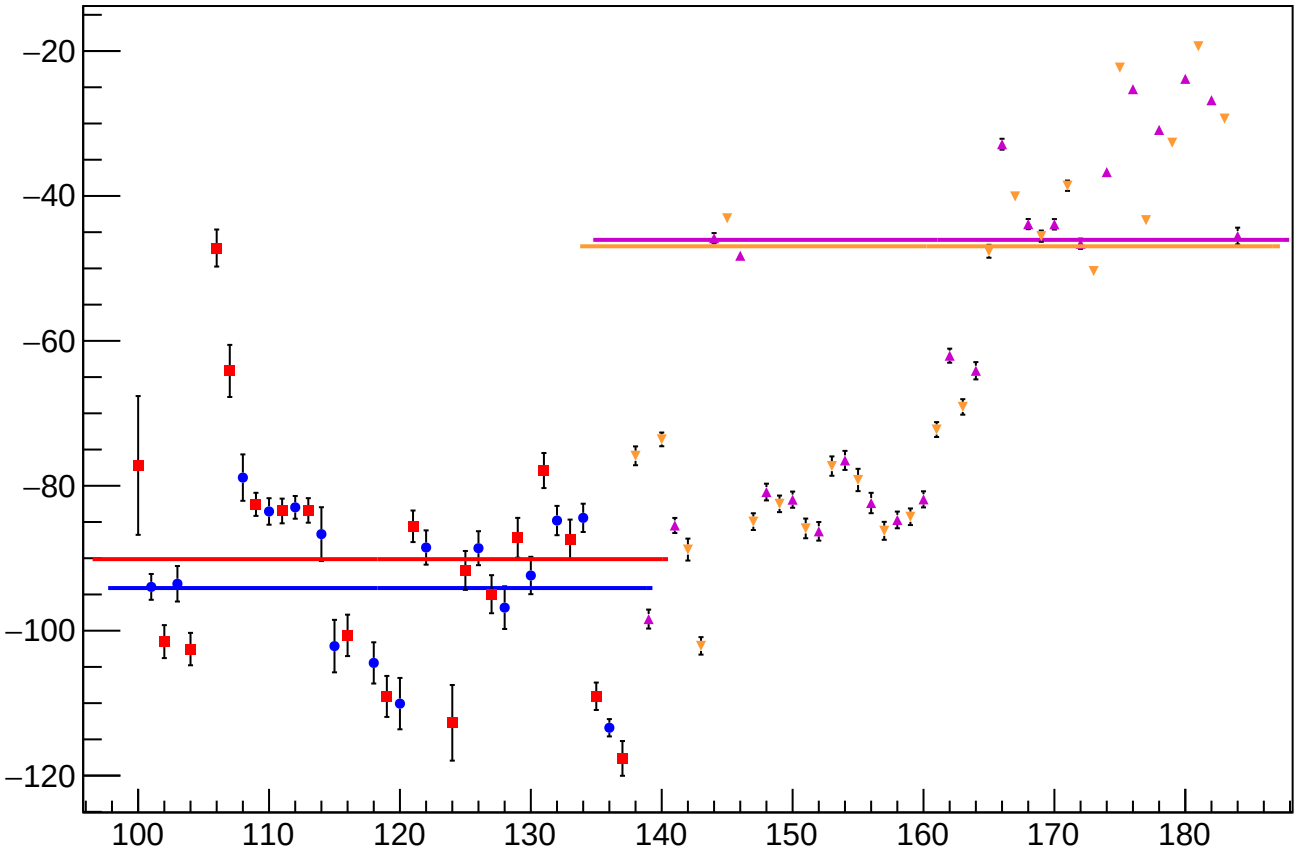
Out: -148.734+/-0.349 χ^2/NDF:2126.4/42

All: -148.004+/-0.249 χ^2/NDF: 4845.9/81


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
Right In: 0.421+/-0.065 χ²/NDF: 197.6/15
Left Out: 1.618+/-0.016 χ²/NDF:541.6/23
Right Out: -0.019+/-0.072 χ²/NDF: 488.2/18
Left In: 1.567+/-0.016 χ²/NDF:735.2/22
Left: 1.593+/-0.012 χ²/NDF: 1281.7/46
Right: 0.225+/-0.048 χ²/NDF: 706.4/34
In: 1.498+/-0.016 χ²/NDF:1226.6/38
Out: 1.540+/-0.016 χ²/NDF:1517.8/42
All: 1.519+/-0.011 χ²/NDF: 2747.8/81


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
160
170
180
Right In: -30.341+/-0.468 χ²/NDF: 253.6/15
Left Out: -49.437+/-0.169 χ²/NDF:8326.3/23
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -47.822+/-0.170 χ²/NDF:7223.0/22
Left: -48.635+/-0.120 χ²/NDF: 15594.8/46
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -45.784+/-0.160 χ²/NDF:8710.0/38
Out: -46.996+/-0.158 χ²/NDF:10353.8/42
All: -46.396+/-0.112 χ²/NDF: 19092.9/81


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: 0.102+/-0.133 χ²/NDF:2721.8/22
Left: 0.513+/-0.094 χ²/NDF: 6136.6/46
Right: -5.100+/-0.365 χ²/NDF: 373.9/34
In: -0.222+/-0.129 χ²/NDF:3052.2/38
Out: 0.552+/-0.130 χ²/NDF:3661.8/42
All: 0.162+/-0.091 χ²/NDF: 6732.0/81



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -46.947+/-0.169 χ^2/NDF:17583.5/23

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

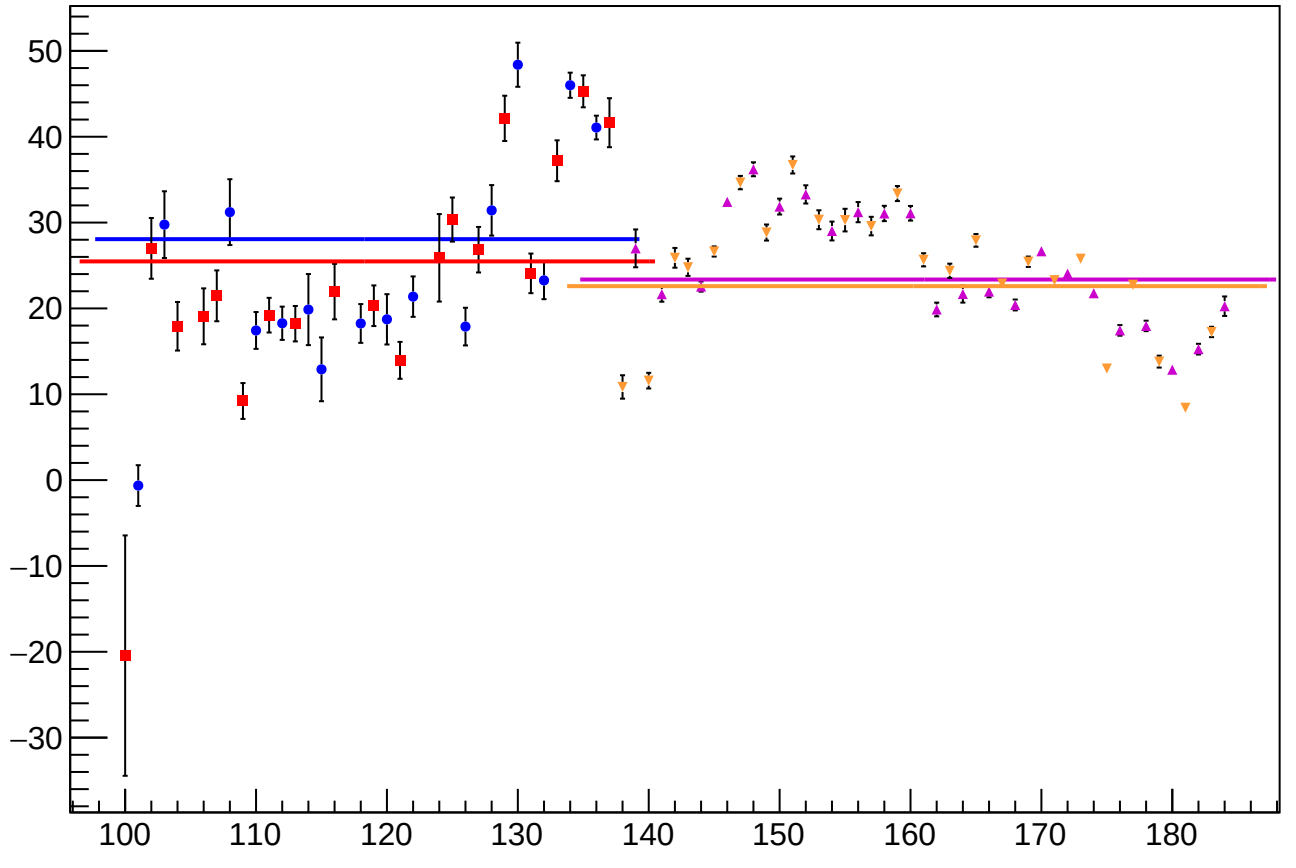
Left: -46.505+/-0.120 χ^2/NDF: 32367.1/46

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -50.443+/-0.162 χ^2/NDF:22513.9/38

Out: -50.780+/-0.162 χ^2/NDF:24136.3/42

All: -50.612+/-0.115 χ^2/NDF: 46652.4/81



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: 23.366+/-0.149 χ^2/NDF:1785.4/22

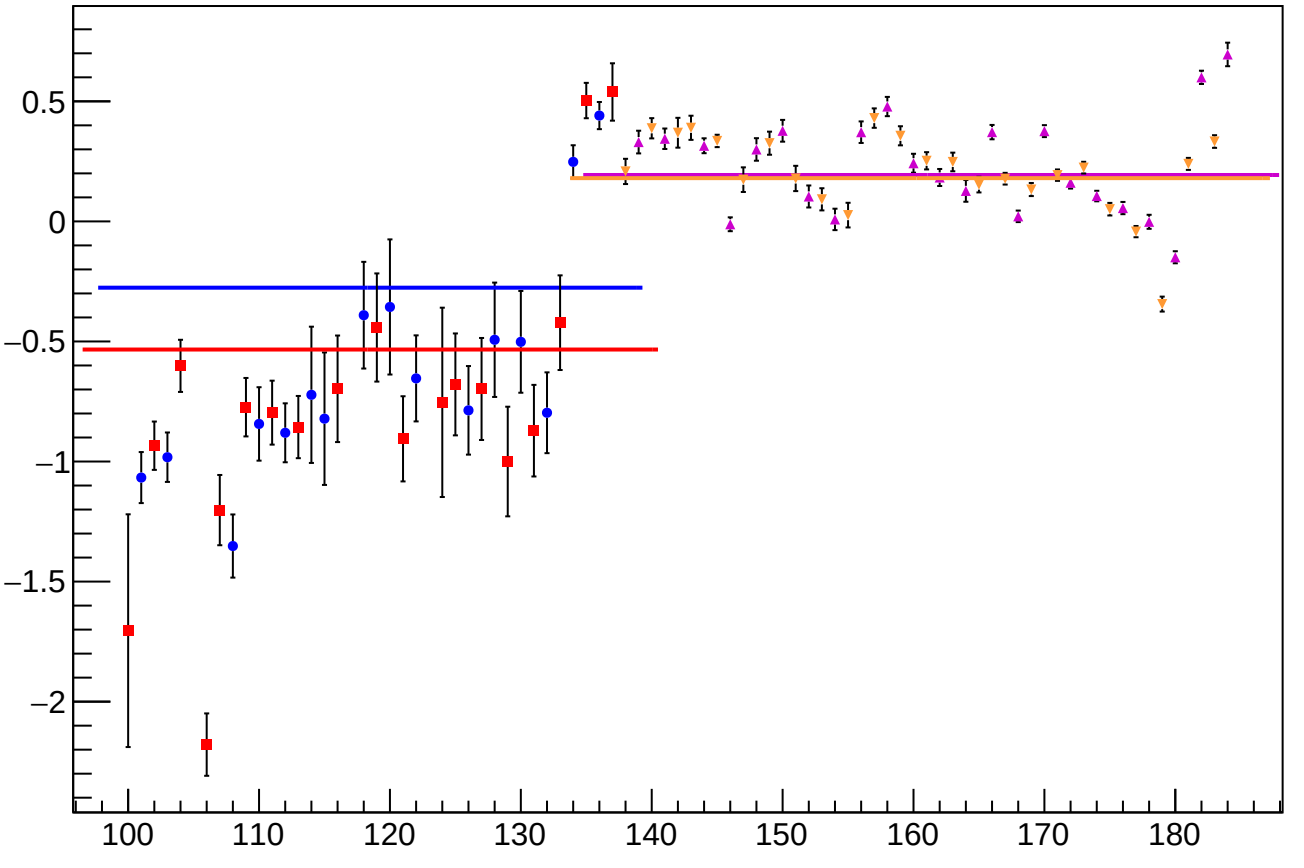
Left: 22.980+/-0.105 χ^2/NDF: 4142.1/46

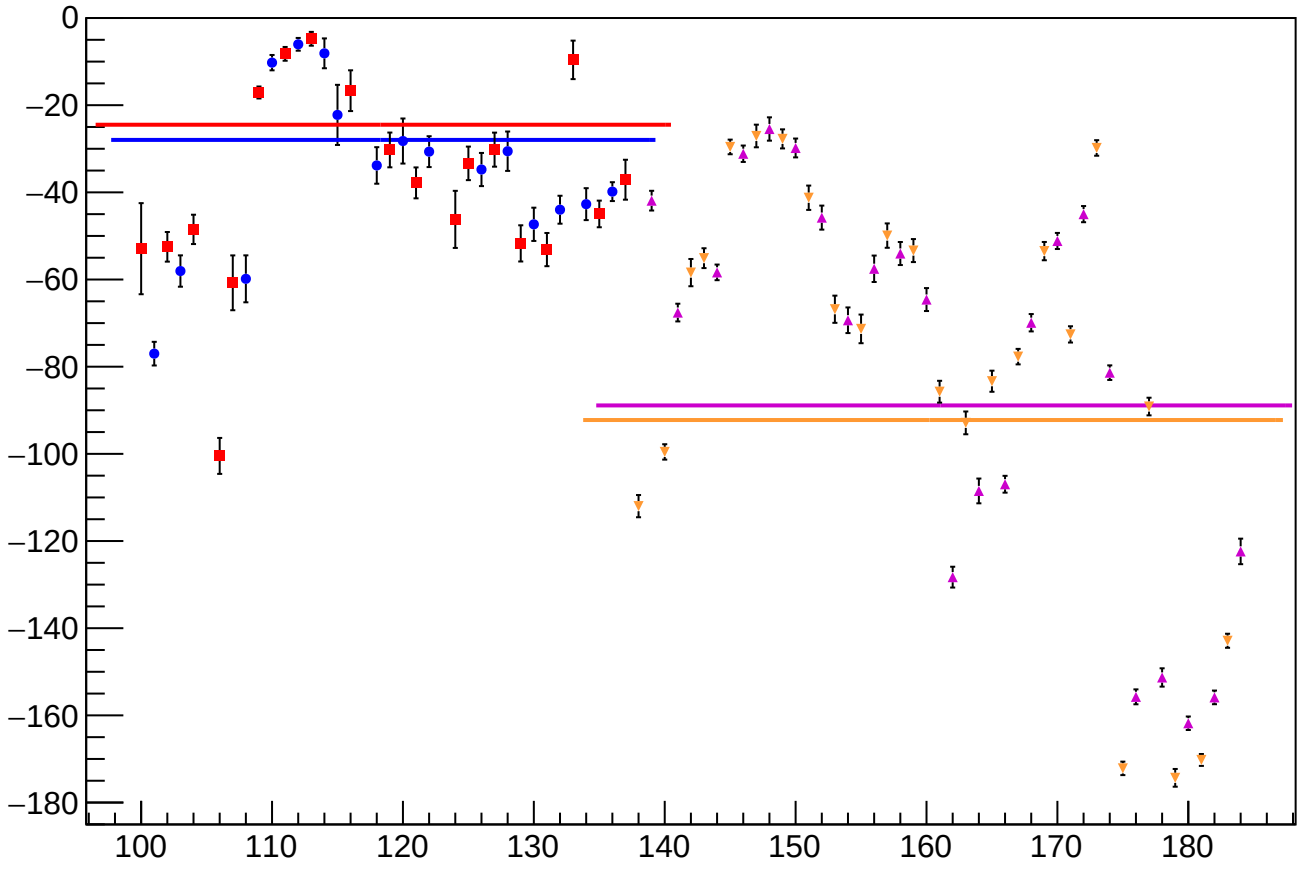
Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 23.667+/-0.144 χ^2/NDF:2432.4/38

Out: 22.767+/-0.144 χ^2/NDF:2720.3/42

All: 23.218+/-0.102 χ^2/NDF: 5172.2/81


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: 0.193+/-0.007 χ²/NDF:938.2/22
Left: 0.187+/-0.005 χ²/NDF: 1558.5/46
Right: -0.396+/-0.022 χ²/NDF: 998.8/34
In: 0.172+/-0.007 χ²/NDF:1617.8/38
Out: 0.152+/-0.007 χ²/NDF:1582.1/42
All: 0.162+/-0.005 χ²/NDF: 3204.6/81



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: -88.888+/-0.435 χ^2/NDF:11815.7/22

Left: -90.597+/-0.304 χ^2/NDF: 26398.1/46

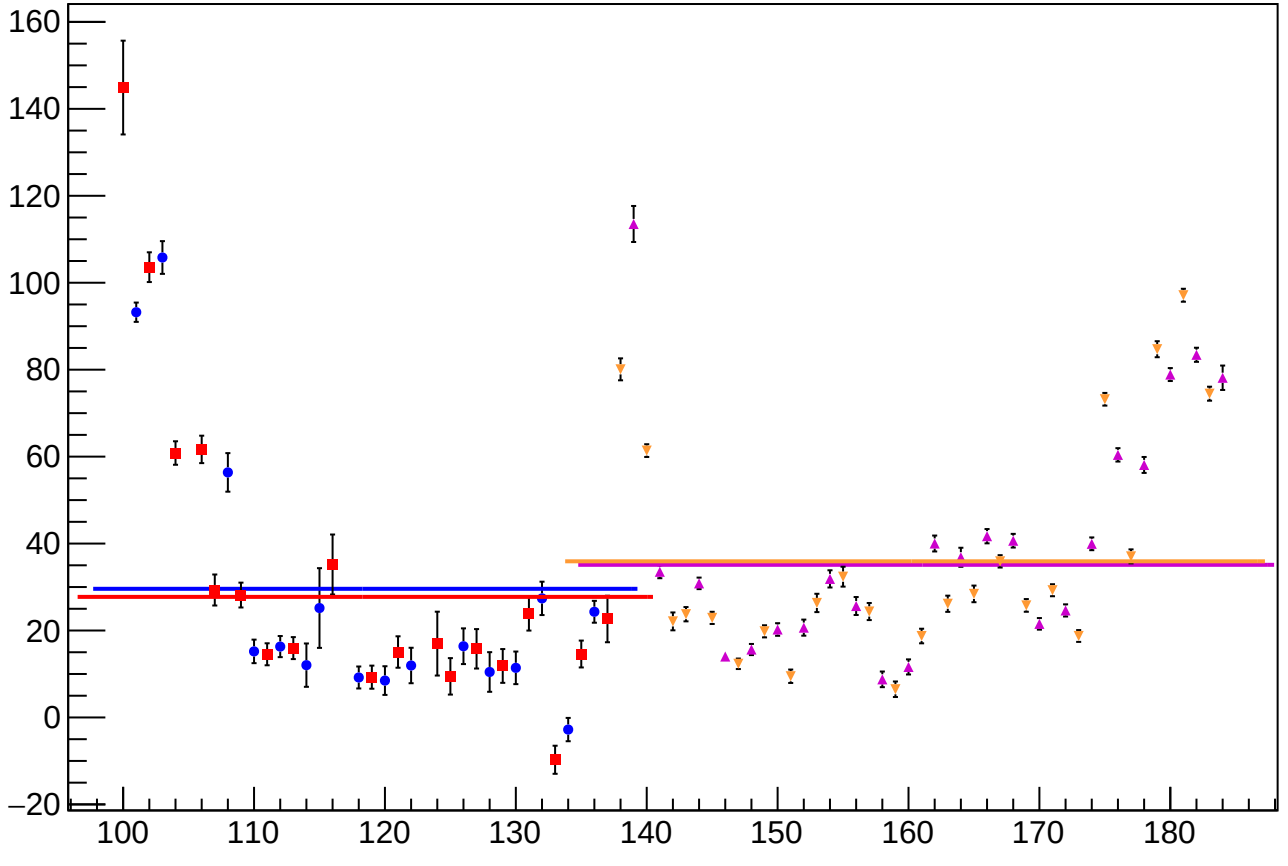
Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -72.873+/-0.373 χ^2/NDF:17878.1/38

Out: -72.464+/-0.358 χ^2/NDF:22939.9/42

All: -72.660+/-0.258 χ^2/NDF: 40818.6/81

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 35.112+/-0.336 χ^2/NDF:4144.4/22

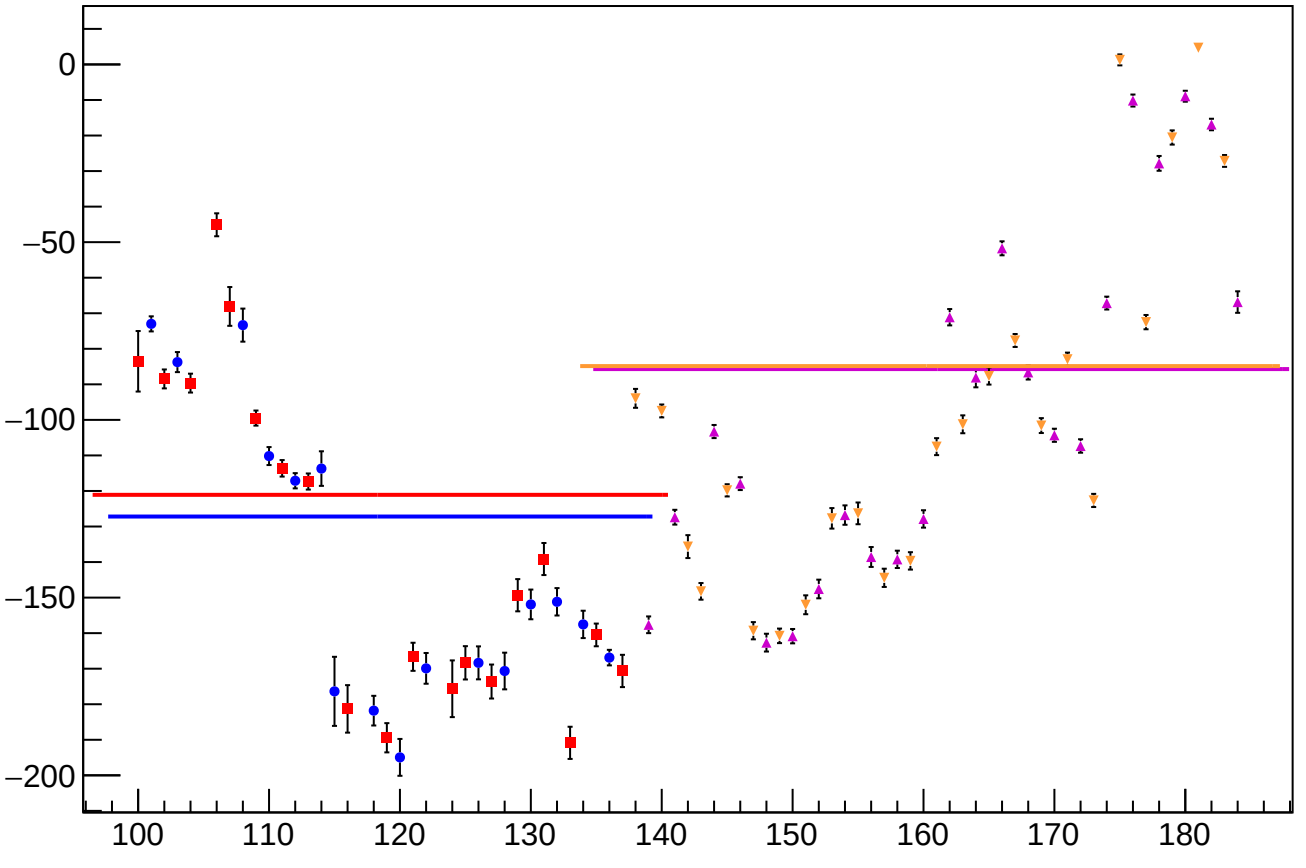
Left: 35.525+/-0.235 χ^2/NDF: 10067.0/46

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 34.295+/-0.310 χ^2/NDF:5849.9/38

Out: 34.731+/-0.304 χ^2/NDF:7194.9/42

All: 34.518+/-0.217 χ^2/NDF: 13045.8/81



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: -85.705+/-0.432 χ^2/NDF:13758.7/22

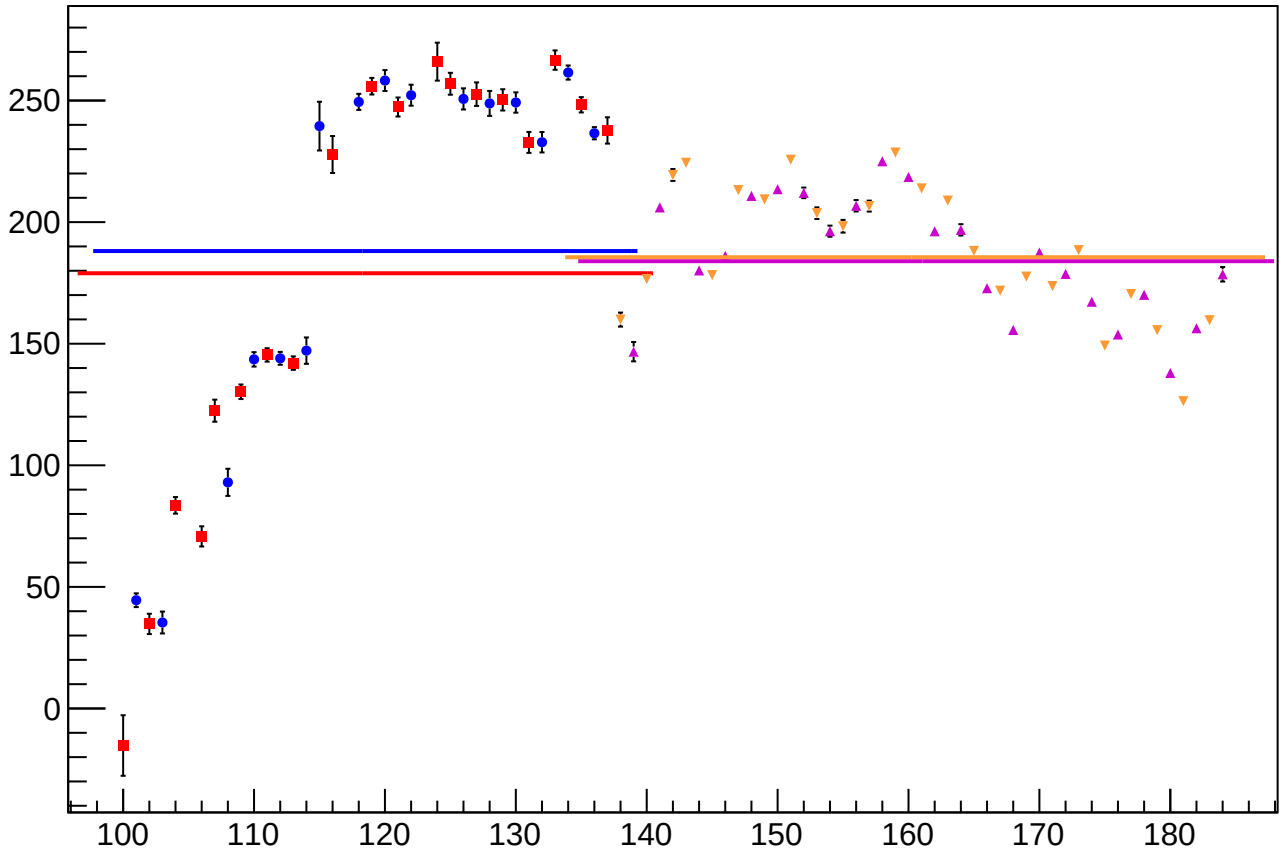
Left: -85.278+/-0.303 χ^2/NDF: 29628.2/46

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -94.574+/-0.383 χ^2/NDF:17904.0/38

Out: -92.868+/-0.375 χ^2/NDF:19871.1/42

All: -93.702+/-0.268 χ^2/NDF: 37785.2/81



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: 183.940+/-0.378 χ^2/NDF:3873.5/22

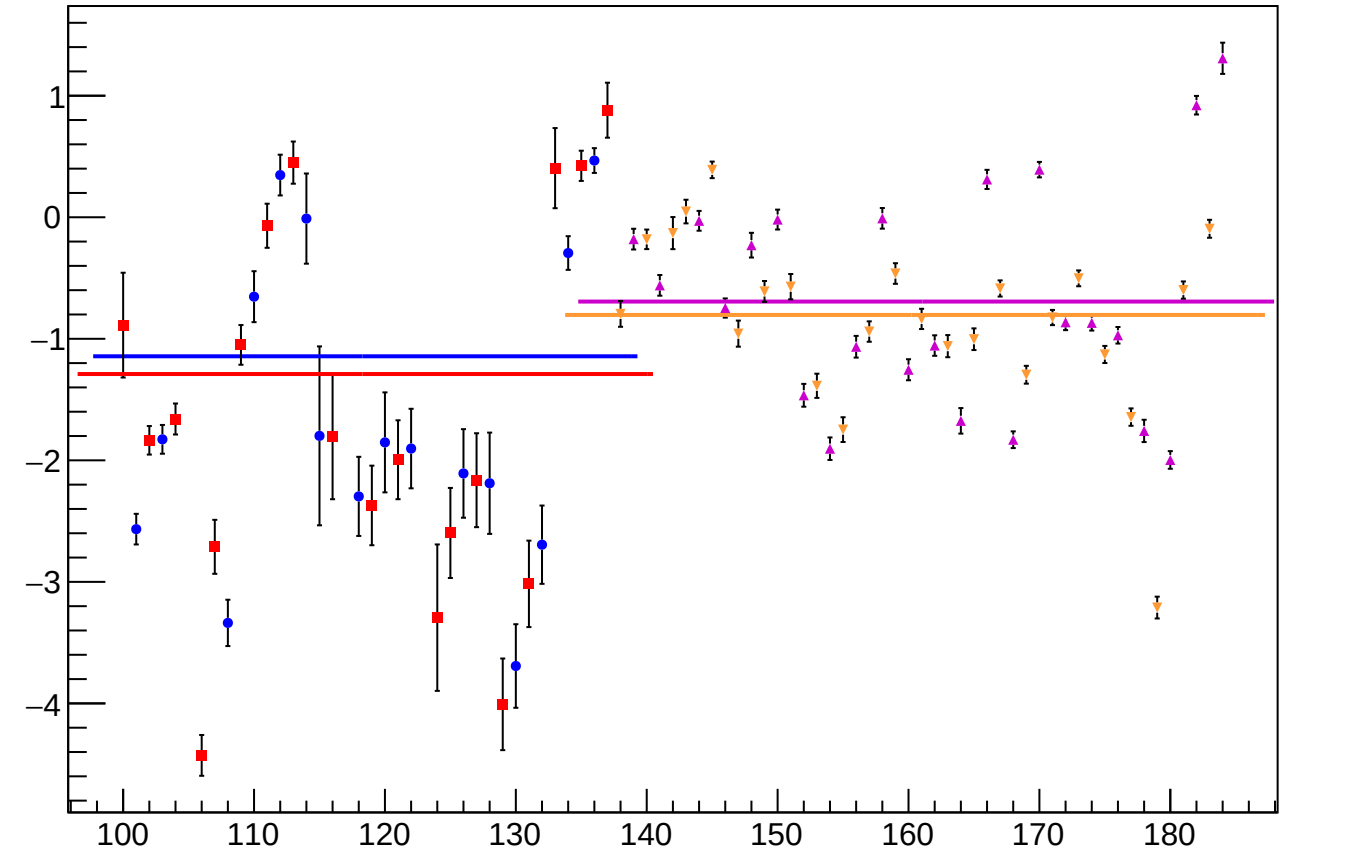
Left: 184.772+/-0.264 χ^2/NDF: 9237.7/46

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 184.543+/-0.349 χ^2/NDF:11009.8/38

Out: 184.631+/-0.343 χ^2/NDF:12068.7/42

All: 184.588+/-0.245 χ^2/NDF: 23078.6/81



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: -0.694+/-0.017 χ^2/NDF:2565.3/22

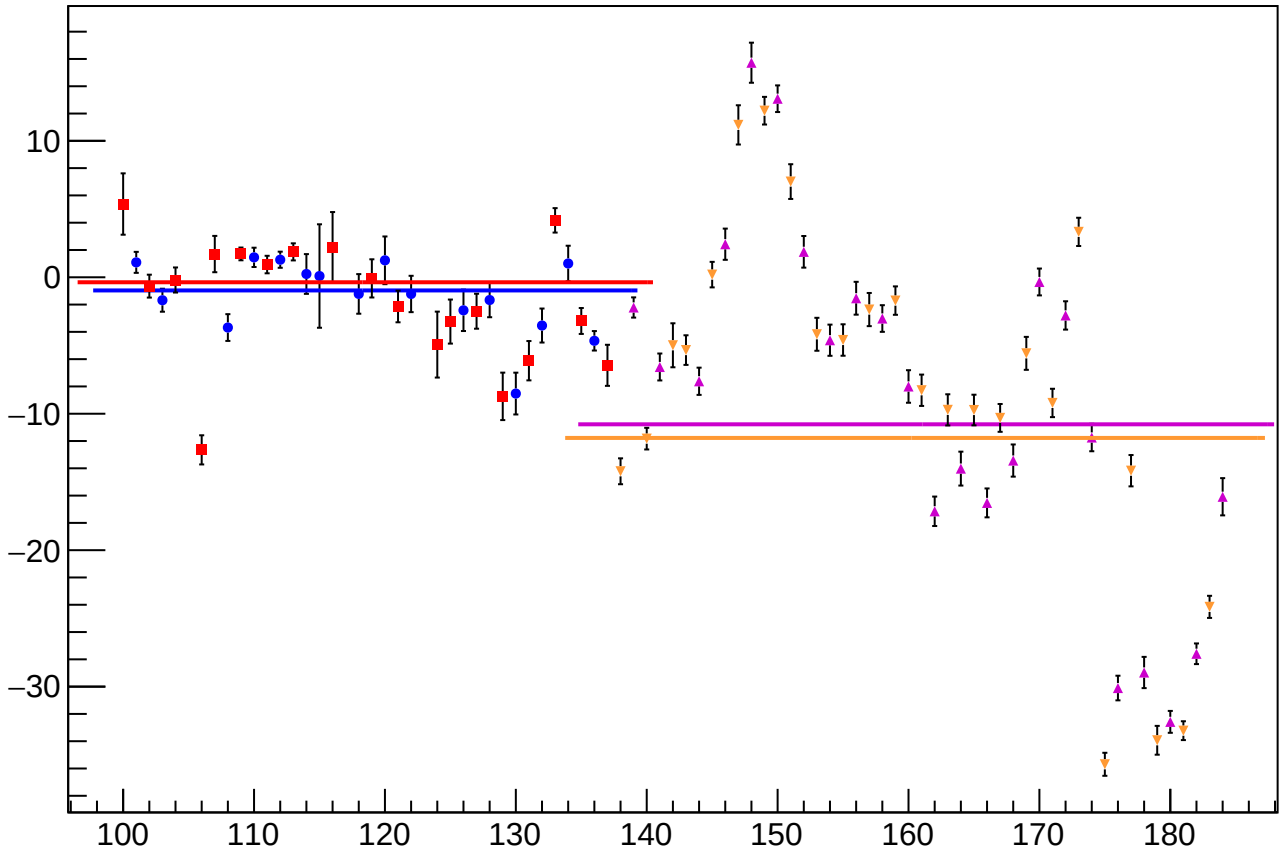
Left: -0.749+/-0.012 χ^2/NDF: 4277.0/46

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.743+/-0.016 χ^2/NDF:3431.1/38

Out: -0.857+/-0.016 χ^2/NDF:2781.7/42

All: -0.800+/-0.011 χ^2/NDF: 6239.1/81



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: -10.776+/-0.213 χ^2/NDF:3699.2/22

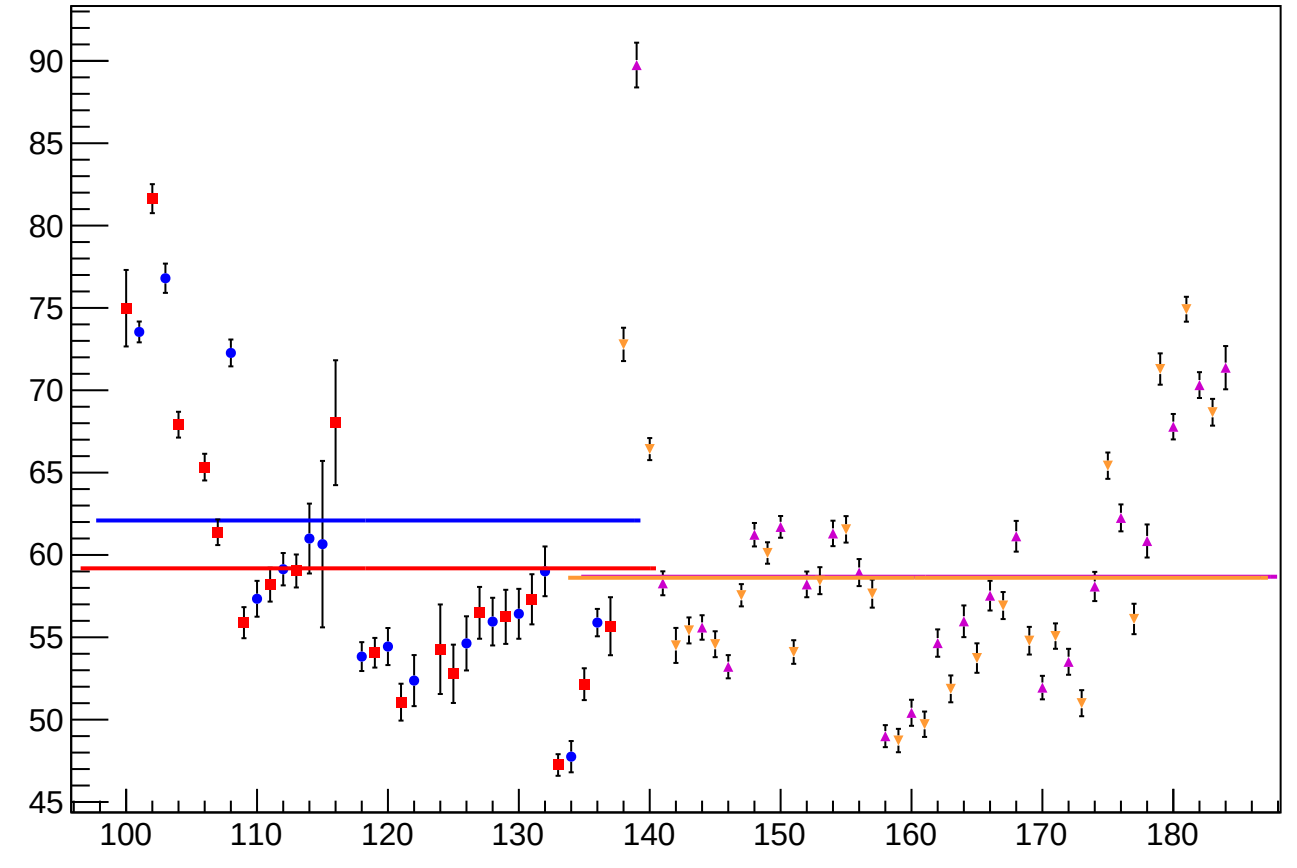
Left: -11.283+/-0.150 χ^2/NDF: 7909.9/46

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -6.701+/-0.163 χ^2/NDF:4680.5/38

Out: -6.433+/-0.153 χ^2/NDF:5863.2/42

All: -6.559+/-0.112 χ^2/NDF: 10545.2/81



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: 58.679+/-0.168 χ^2/NDF:1613.4/22

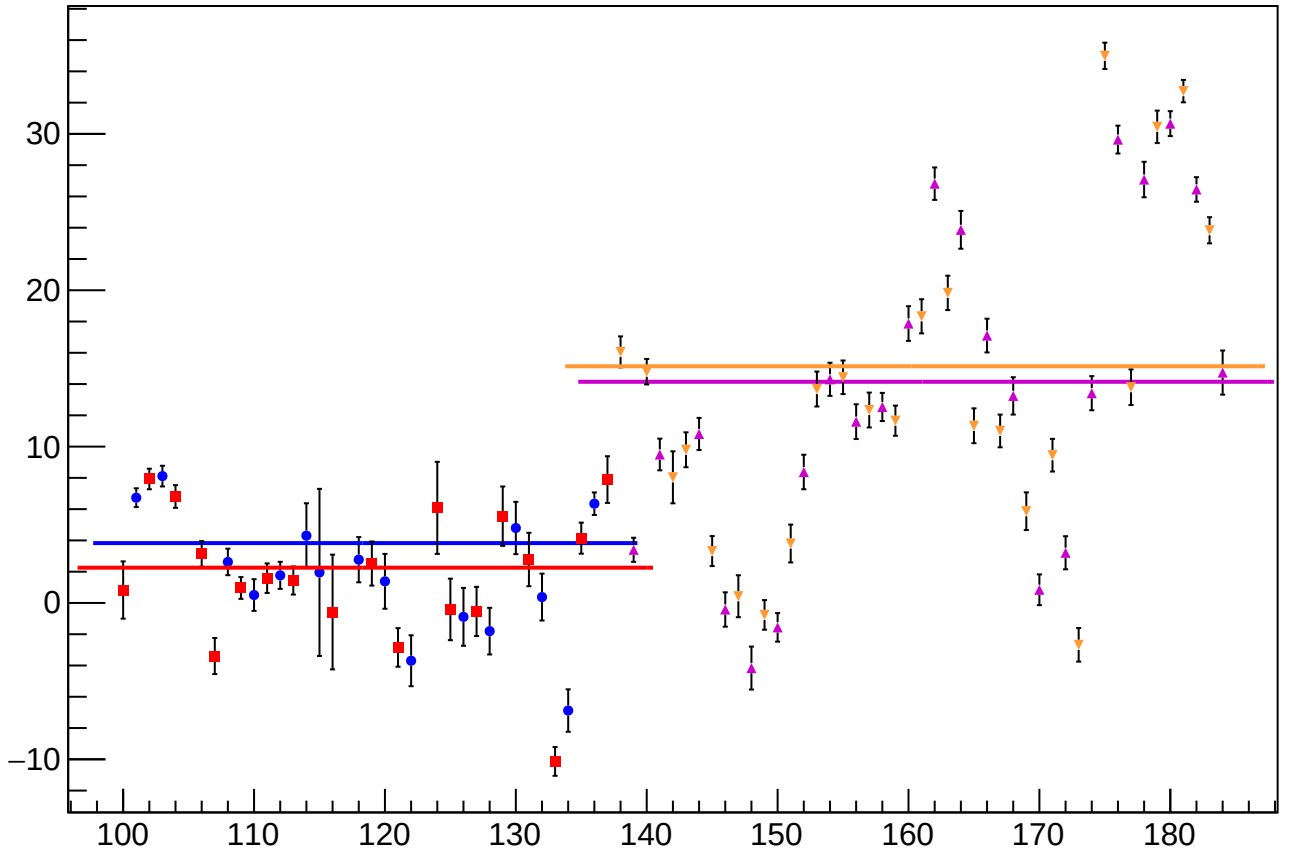
Left: 58.646+/-0.117 χ^2/NDF: 3504.9/46

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 59.659+/-0.142 χ^2/NDF:3032.7/38

Out: 58.792+/-0.135 χ^2/NDF:3297.3/42

All: 59.203+/-0.098 χ^2/NDF: 6349.6/81



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: 14.146+/-0.211 χ^2/NDF:2541.2/22

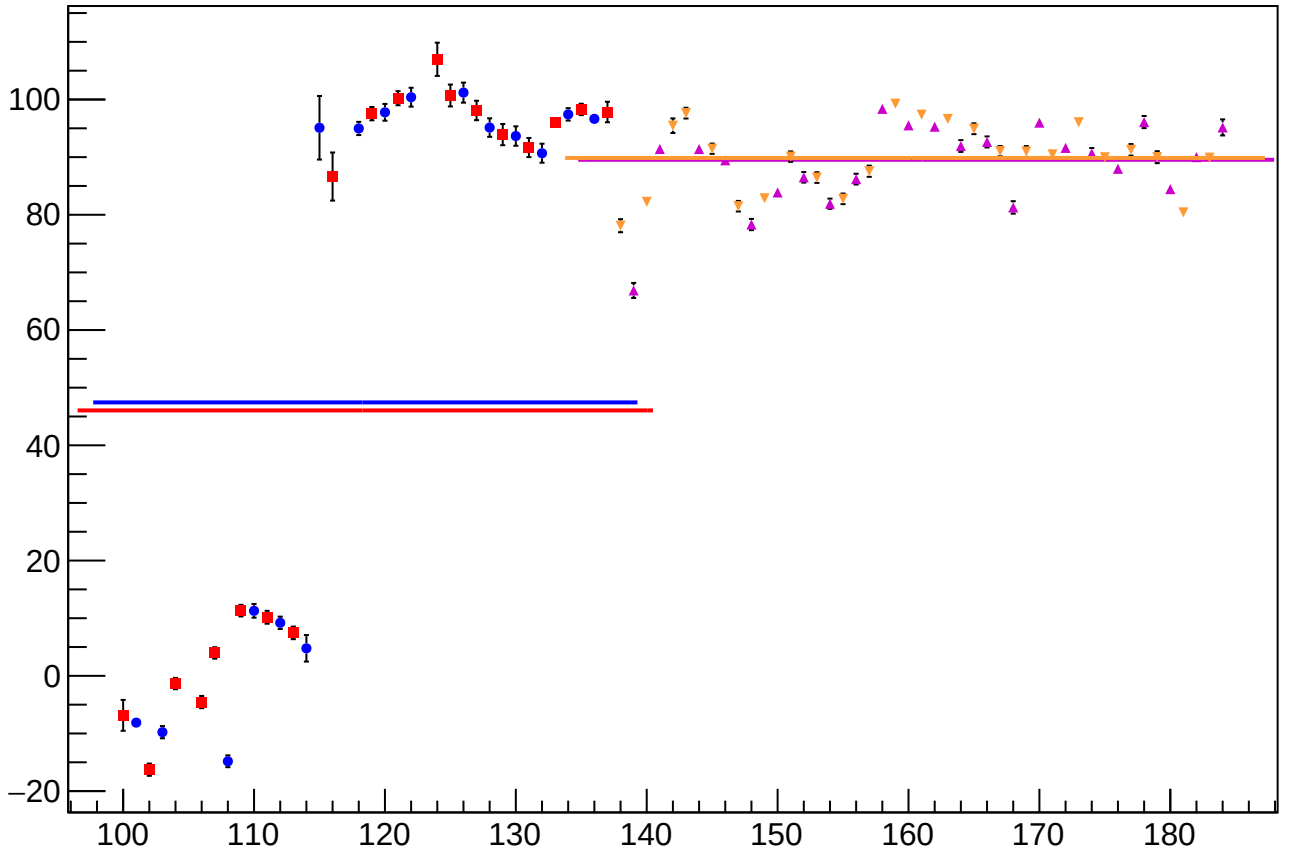
Left: 14.649+/-0.148 χ^2/NDF: 5164.0/46

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 10.141+/-0.165 χ^2/NDF:3675.5/38

Out: 9.767+/-0.159 χ^2/NDF:4576.2/42

All: 9.947+/-0.115 χ^2/NDF: 8254.3/81



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: 89.541+/-0.188 χ^2/NDF:1095.3/22

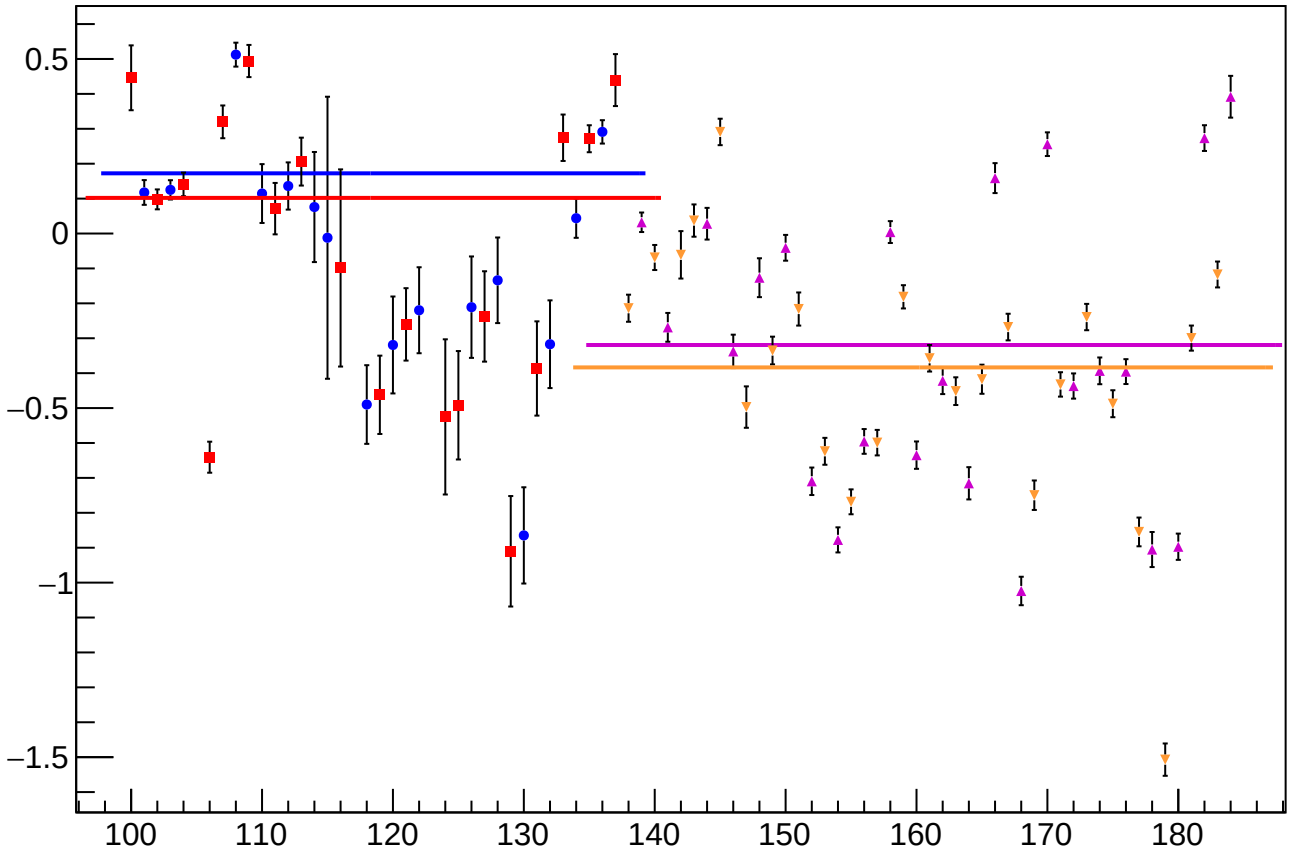
Left: 89.704+/-0.131 χ^2/NDF: 2161.6/46

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 78.159+/-0.160 χ^2/NDF:41607.8/38

Out: 77.079+/-0.154 χ^2/NDF:46762.1/42

All: 77.596+/-0.111 χ^2/NDF: 88393.6/81



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: -0.319+/-0.008 χ^2/NDF:2441.1/22

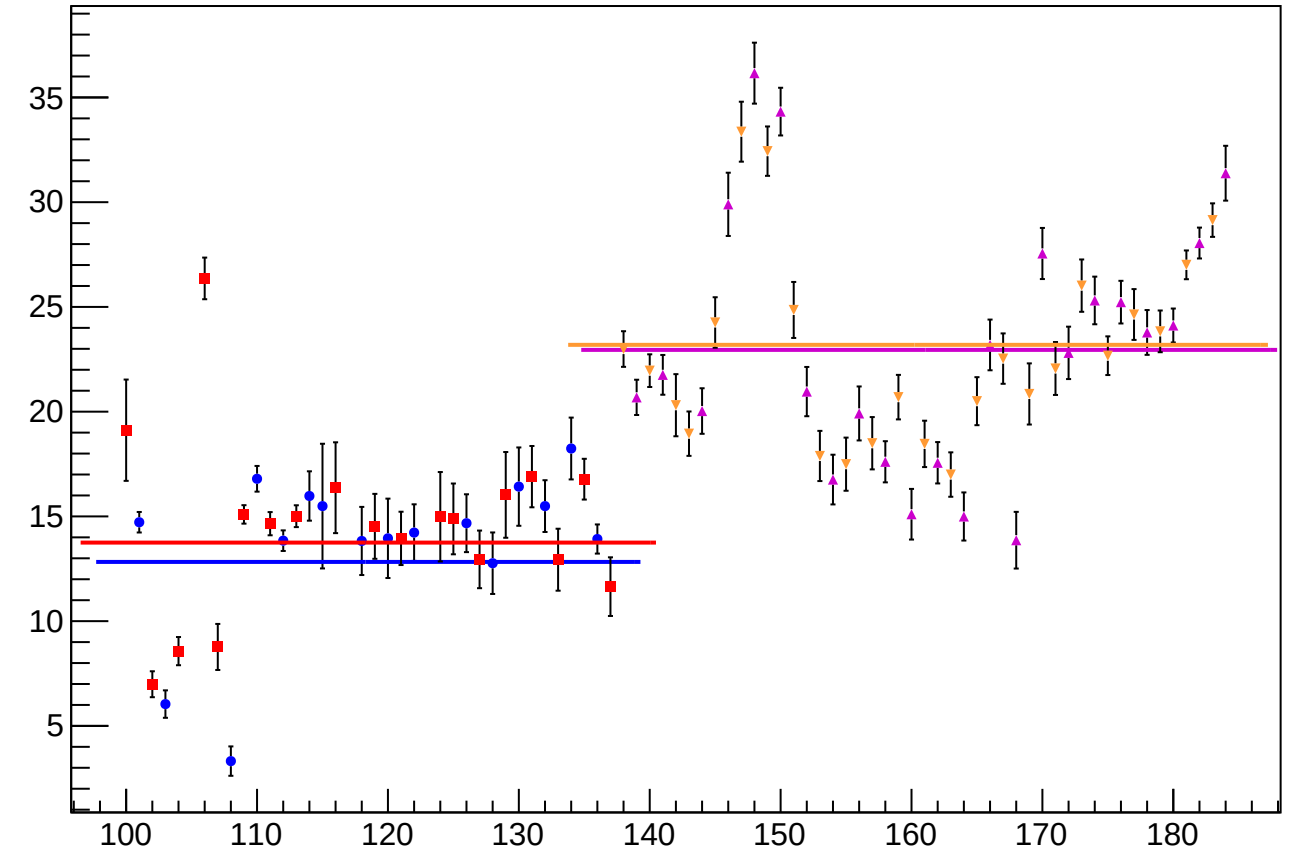
Left: -0.351+/-0.006 χ^2/NDF: 4124.9/46

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.198+/-0.007 χ^2/NDF:3616.0/38

Out: -0.254+/-0.007 χ^2/NDF:3166.6/42

All: -0.226+/-0.005 χ^2/NDF: 6814.6/81



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: 22.949+/-0.225 χ^2/NDF:565.2/22

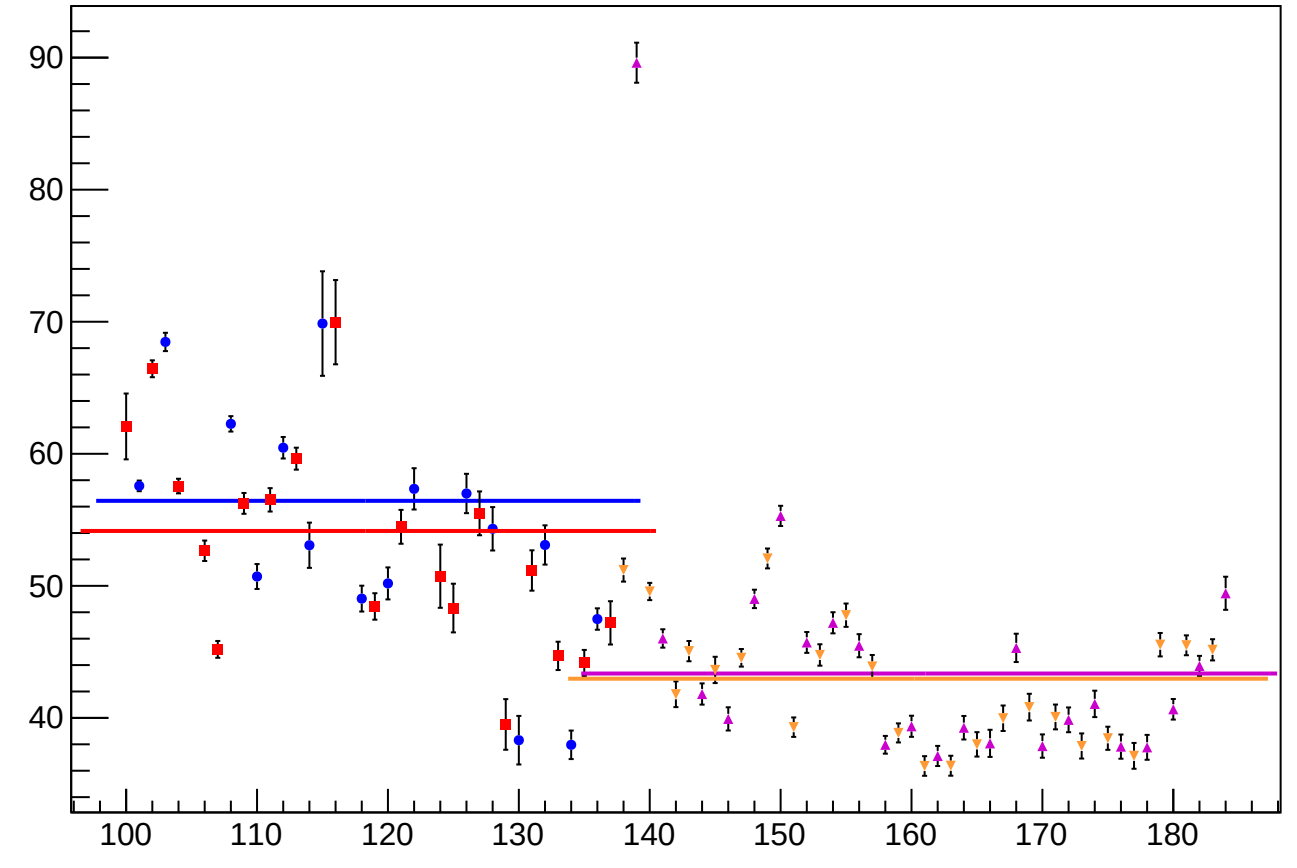
Left: 23.074+/-0.157 χ^2/NDF: 917.2/46

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 17.627+/-0.155 χ^2/NDF:2013.7/38

Out: 18.169+/-0.149 χ^2/NDF:1756.5/42

All: 17.909+/-0.107 χ^2/NDF: 3776.5/81



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: 43.361+/-0.177 χ^2/NDF:1683.3/22

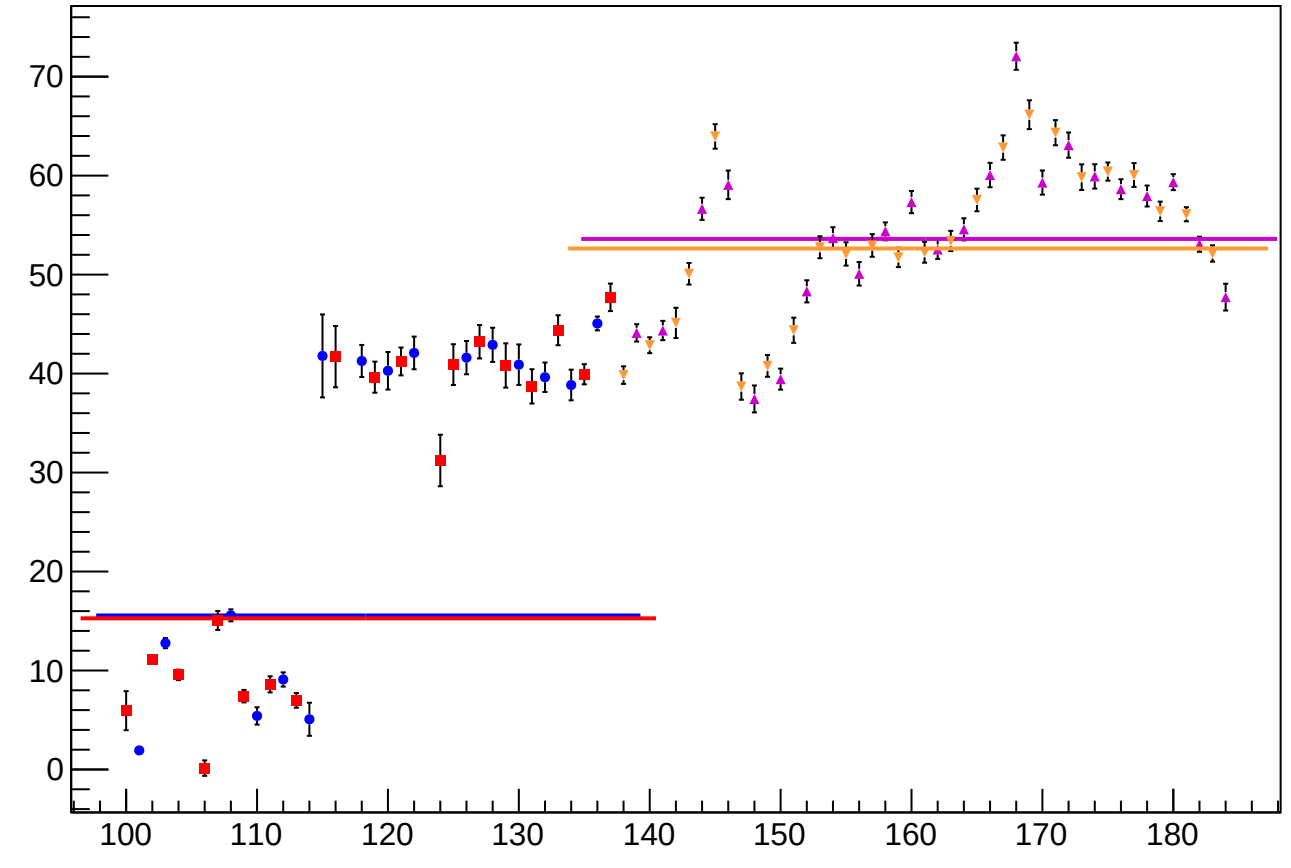
Left: 43.155+/-0.122 χ^2/NDF: 2456.6/46

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 48.450+/-0.138 χ^2/NDF:4894.2/38

Out: 46.996+/-0.135 χ^2/NDF:3366.5/42

All: 47.704+/-0.097 χ^2/NDF: 8317.4/81



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: 53.605+/-0.223 χ^2/NDF:1015.9/22

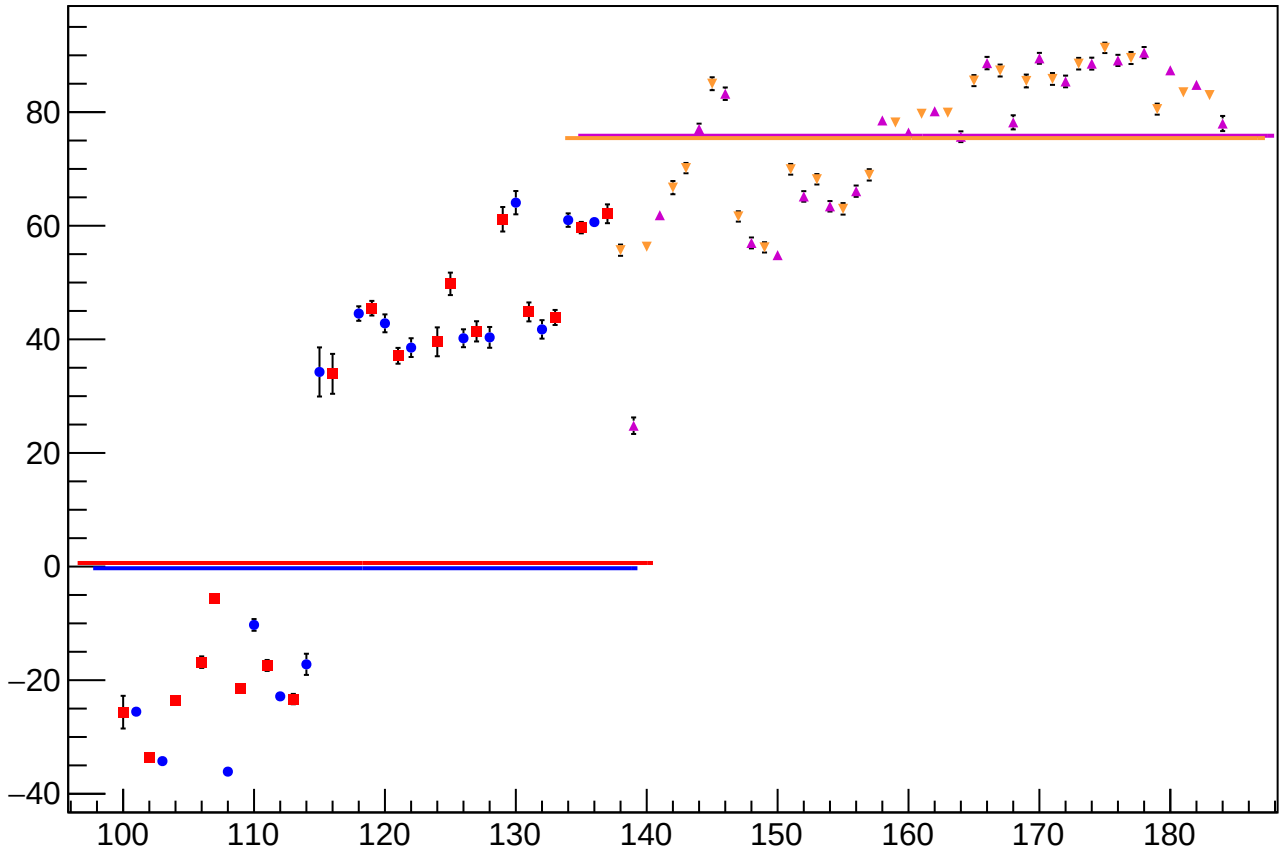
Left: 53.106+/-0.155 χ^2/NDF: 2200.7/46

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 33.808+/-0.154 χ^2/NDF:21351.2/38

Out: 34.208+/-0.154 χ^2/NDF:19782.7/42

All: 34.008+/-0.109 χ^2/NDF: 41137.3/81



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: 75.844+/-0.197 χ^2/NDF:4265.6/22

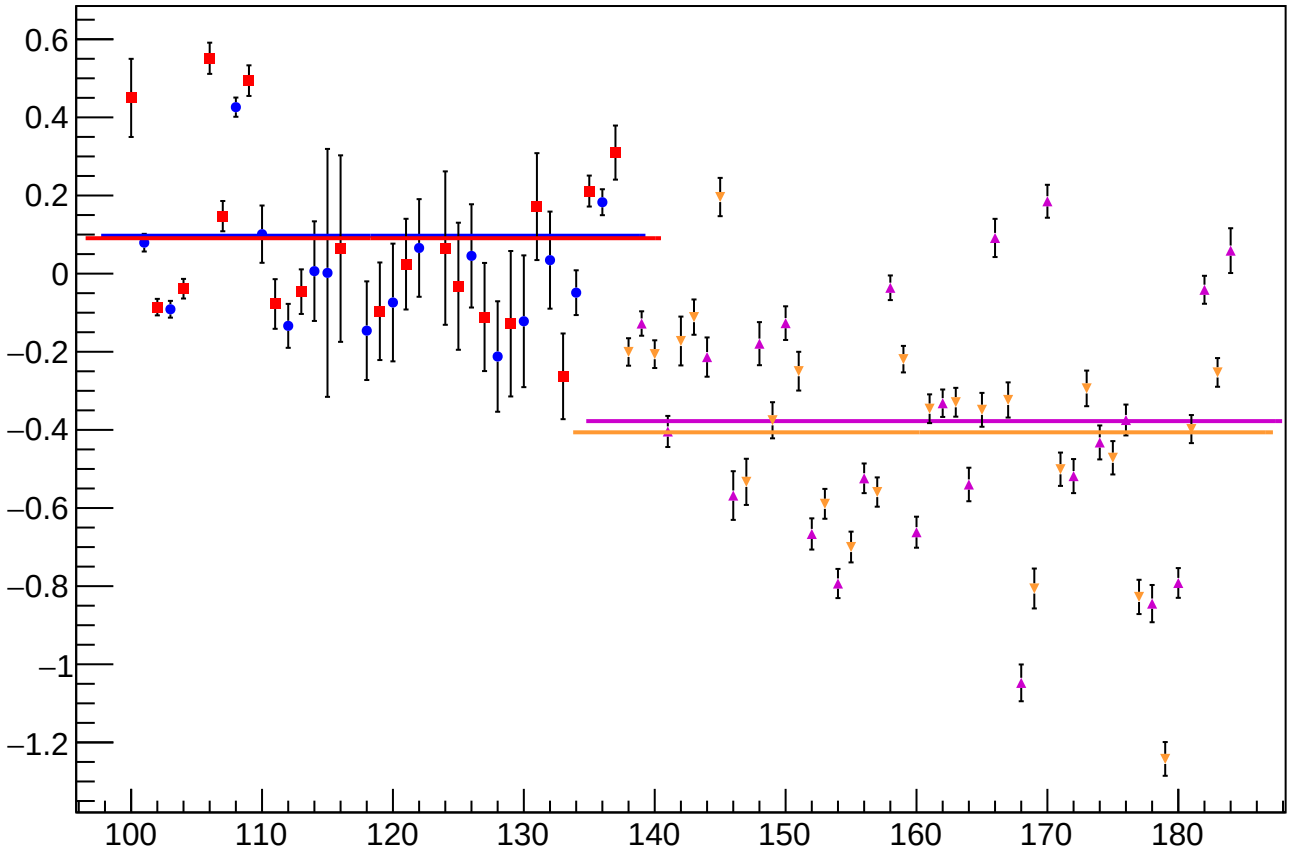
Left: 75.628+/-0.137 χ^2/NDF: 7736.1/46

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 48.218+/-0.157 χ^2/NDF:79355.5/38

Out: 49.900+/-0.154 χ^2/NDF:72524.5/42

All: 49.078+/-0.110 χ^2/NDF: 151938.3/81



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: -0.378+/-0.009 χ^2/NDF:1351.5/22

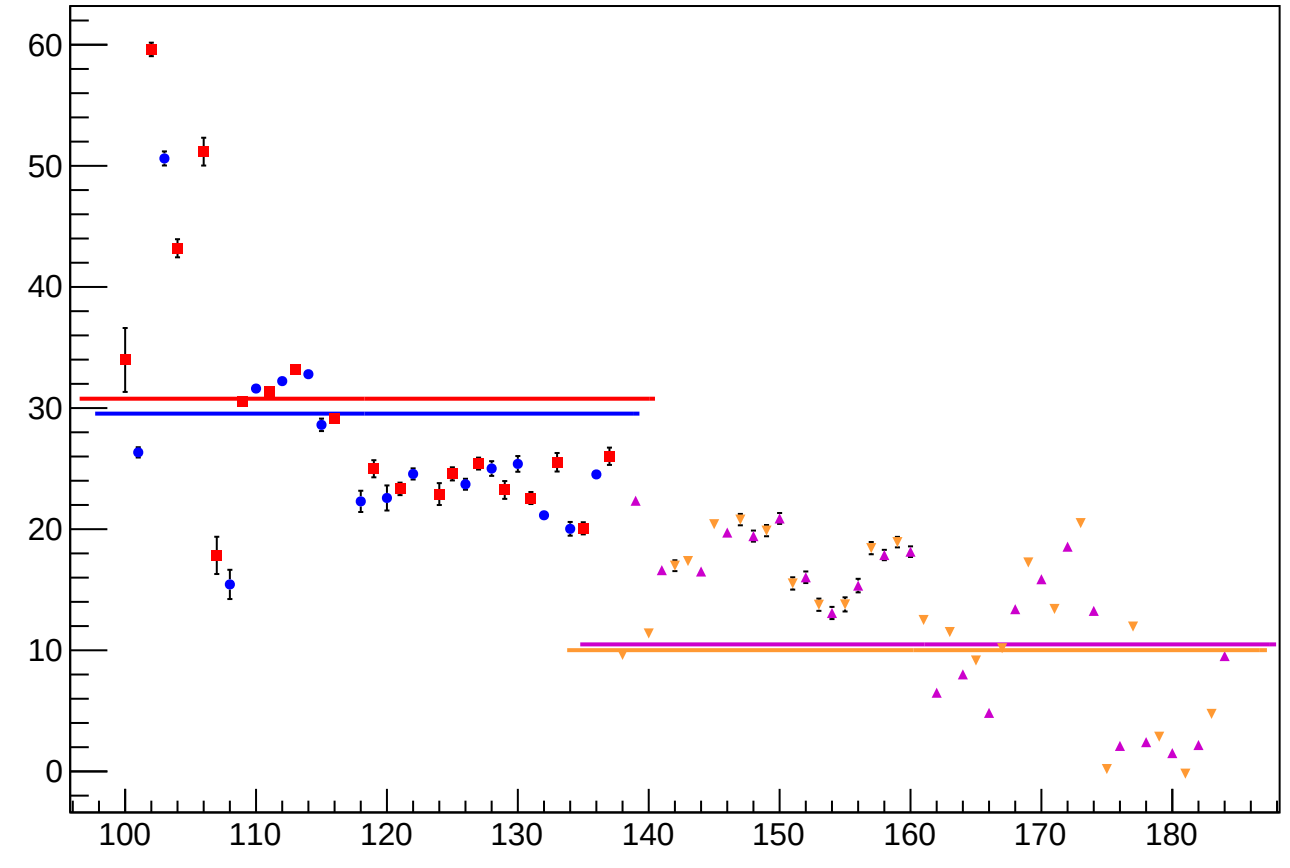
Left: -0.392+/-0.006 χ^2/NDF: 2342.4/46

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.202+/-0.007 χ^2/NDF:2778.4/38

Out: -0.229+/-0.007 χ^2/NDF:2606.9/42

All: -0.215+/-0.005 χ^2/NDF: 5393.0/81



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: 10.488+/-0.067 χ^2/NDF:11498.1/22

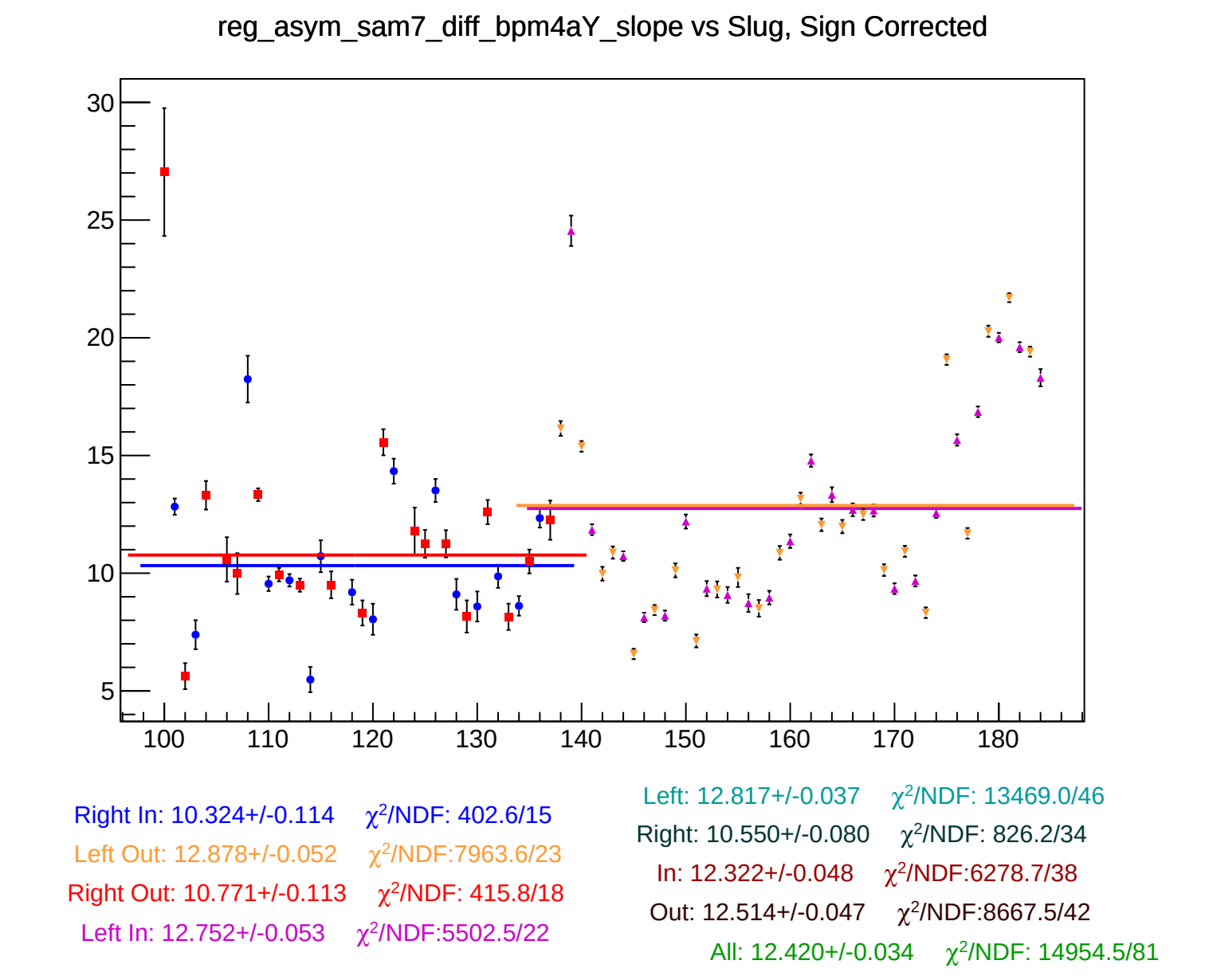
Left: 10.242+/-0.047 χ^2/NDF: 23824.6/46

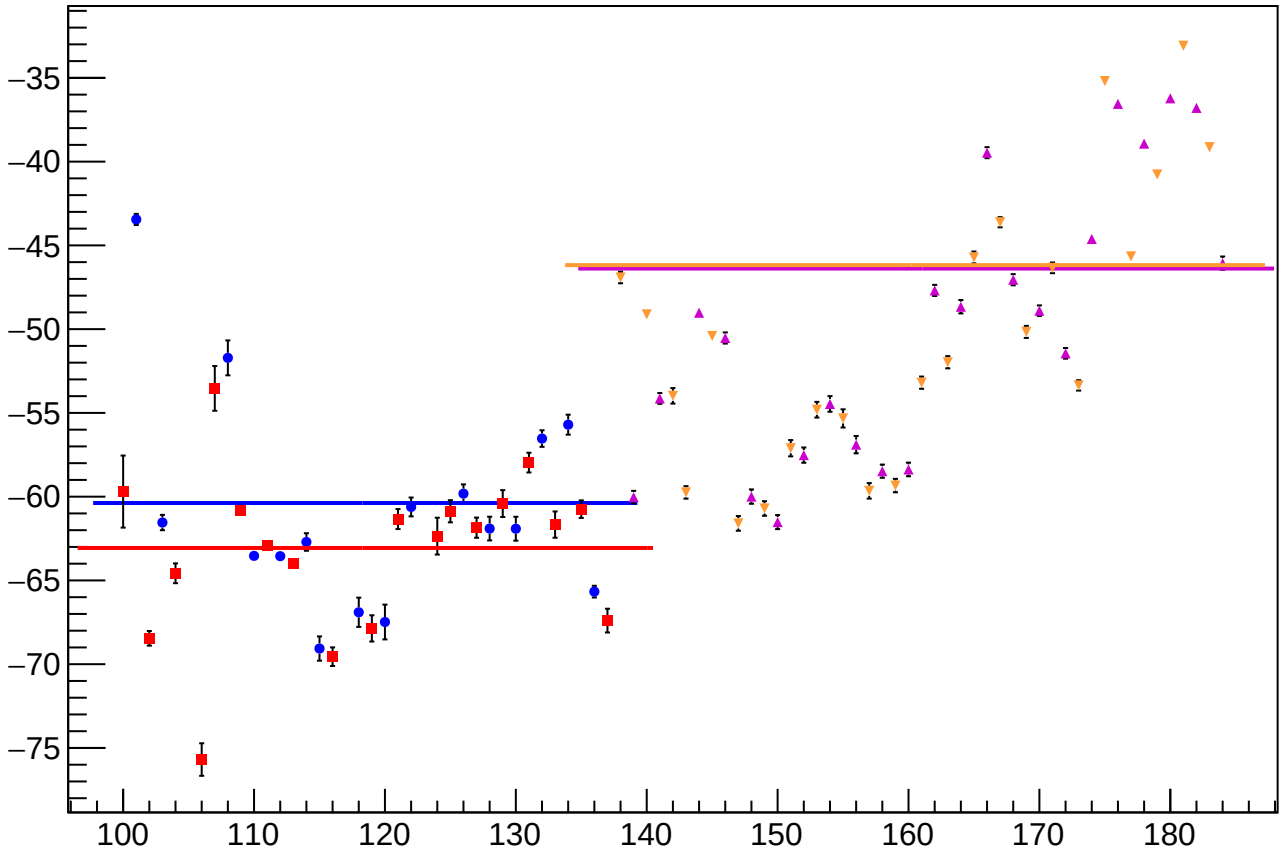
Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 17.068+/-0.054 χ^2/NDF:42978.8/38

Out: 18.229+/-0.050 χ^2/NDF:57924.5/42

All: 17.688+/-0.037 χ^2/NDF: 101150.1/81


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 10.324+/-0.114 χ2/NDF: 402.6/15
Left Out: 12.878+/-0.052 χ2/NDF:7963.6/23
Right Out: 10.771+/-0.113 χ2/NDF: 415.8/18
Left In: 12.752+/-0.053 χ2/NDF:5502.5/22
Left: 12.817+/-0.037 χ2/NDF: 13469.0/46
Right: 10.550+/-0.080 χ2/NDF: 826.2/34
In: 12.322+/-0.048 χ2/NDF:6278.7/38
Out: 12.514+/-0.047 χ2/NDF:8667.5/42
All: 12.420+/-0.034 χ2/NDF: 14954.5/81



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: -46.383+/-0.067 χ^2/NDF:15080.6/22

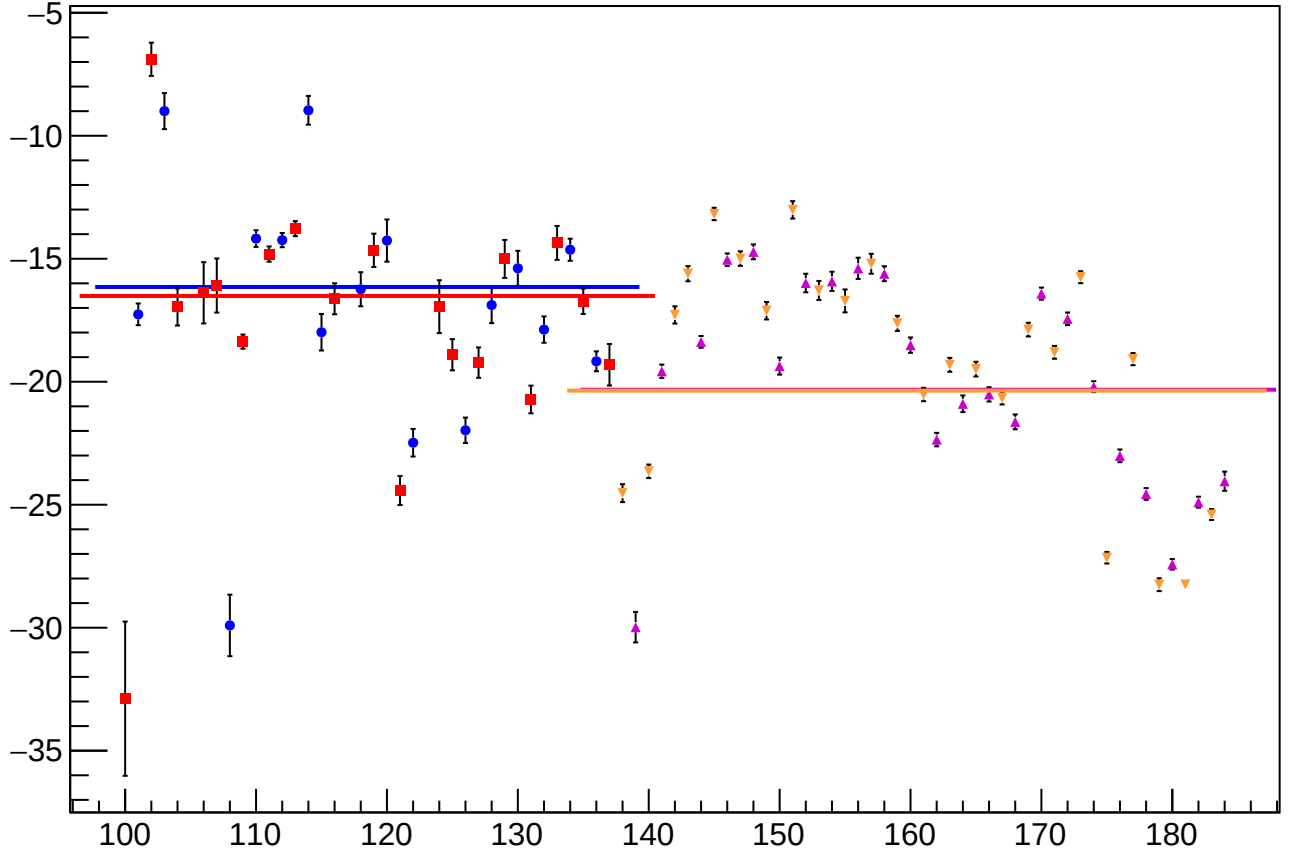
Left: -46.278+/-0.047 χ^2/NDF: 32529.7/46

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -50.007+/-0.058 χ^2/NDF:30043.2/38

Out: -50.726+/-0.056 χ^2/NDF:36392.8/42

All: -50.378+/-0.040 χ^2/NDF: 66516.8/81



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: -20.324+/-0.059 χ^2/NDF:4272.7/22

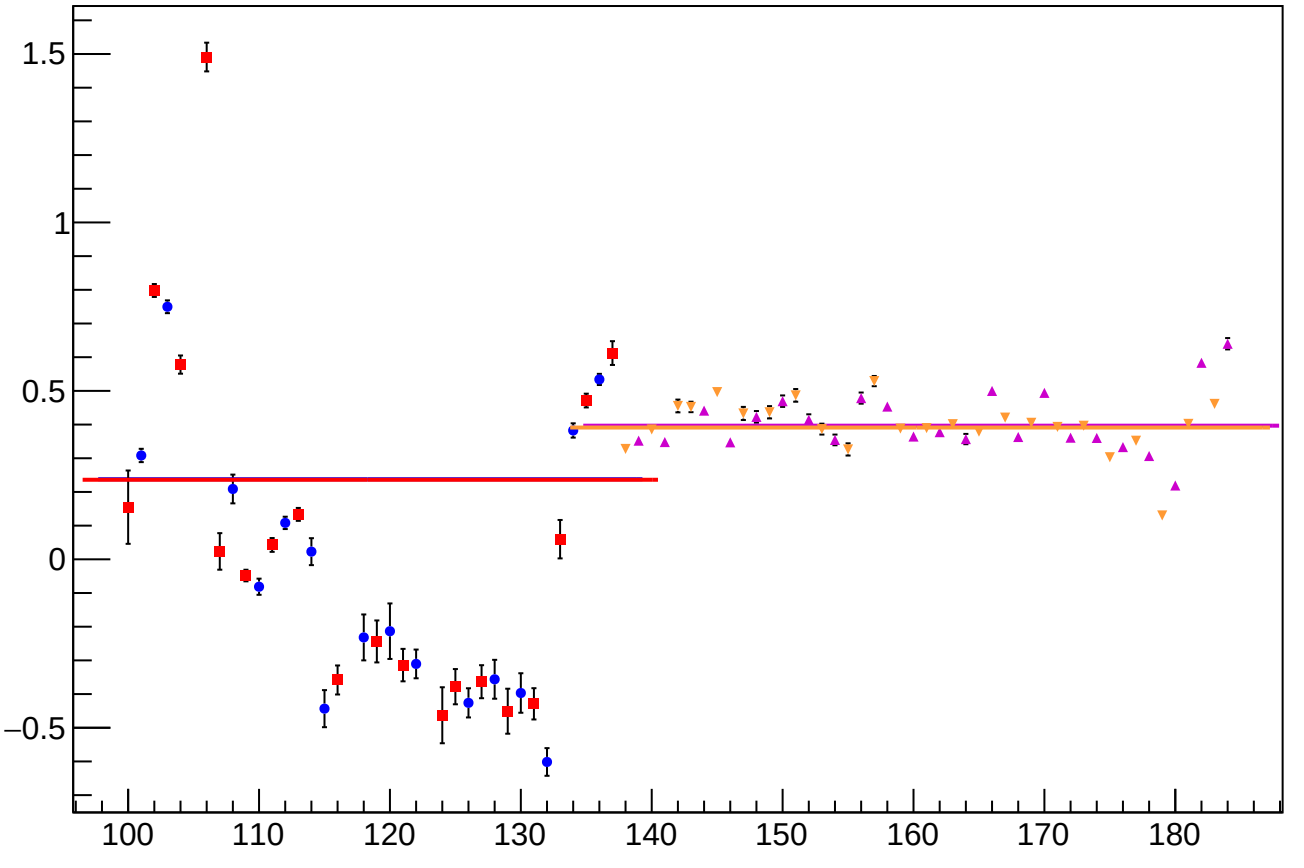
Left: -20.343+/-0.041 χ^2/NDF: 11207.7/46

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -19.583+/-0.054 χ^2/NDF:5957.2/38

Out: -19.681+/-0.052 χ^2/NDF:8404.4/42

All: -19.633+/-0.037 χ^2/NDF: 14363.4/81



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: 0.397+/-0.003 χ^2/NDF:1295.7/22

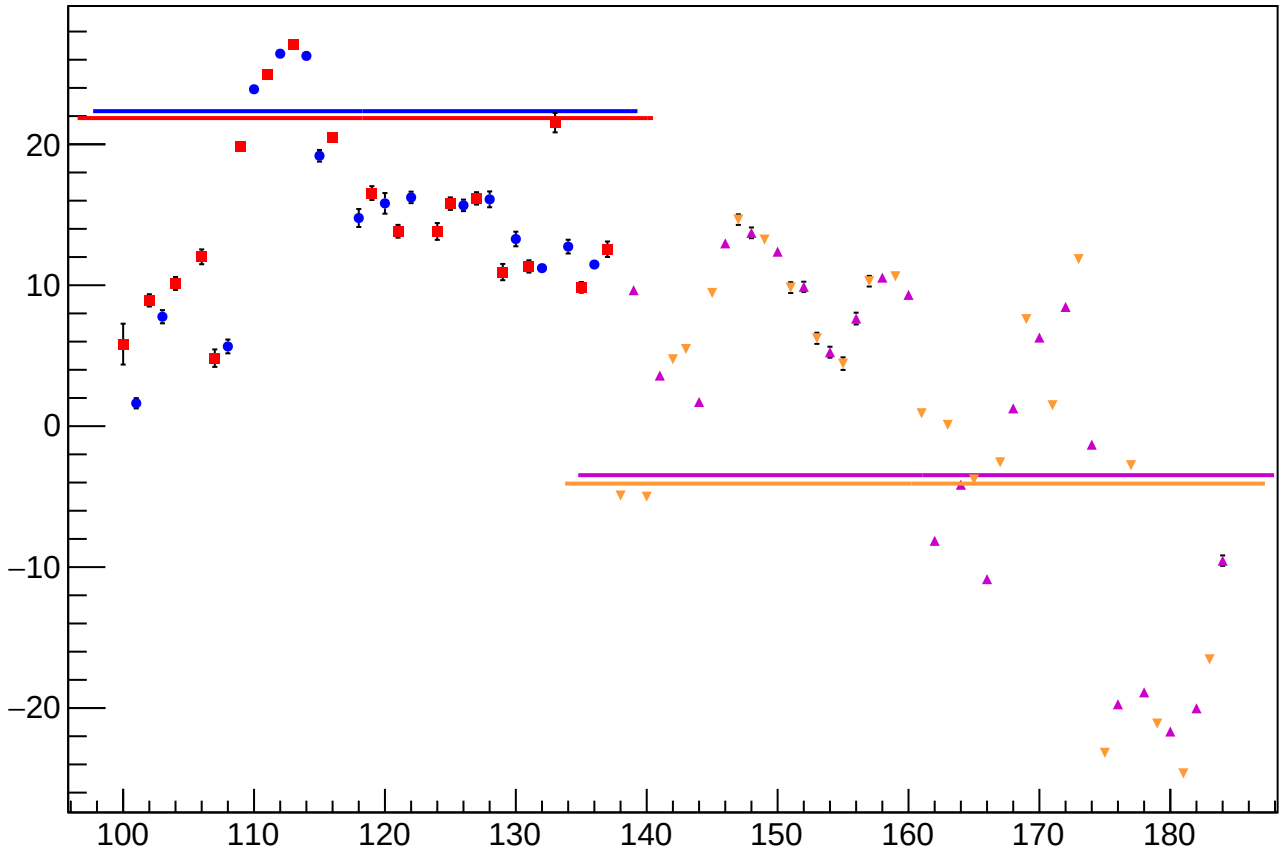
Left: 0.394+/-0.002 χ^2/NDF: 2210.6/46

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.377+/-0.002 χ^2/NDF:4373.3/38

Out: 0.373+/-0.002 χ^2/NDF:4928.8/42

All: 0.375+/-0.002 χ^2/NDF: 9303.8/81



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: -3.475+/-0.057 χ^2/NDF:45103.9/22

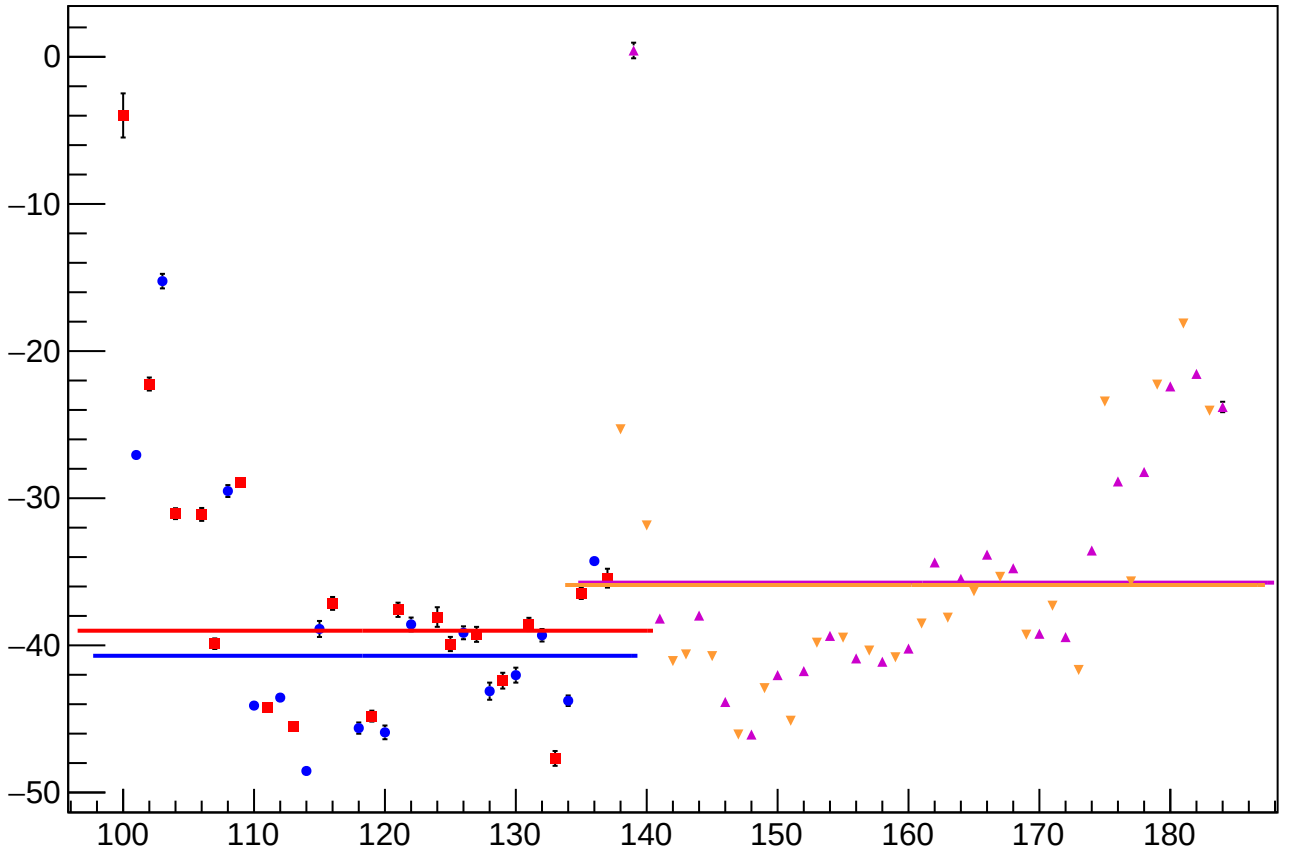
Left: -3.788+/-0.040 χ^2/NDF: 98839.7/46

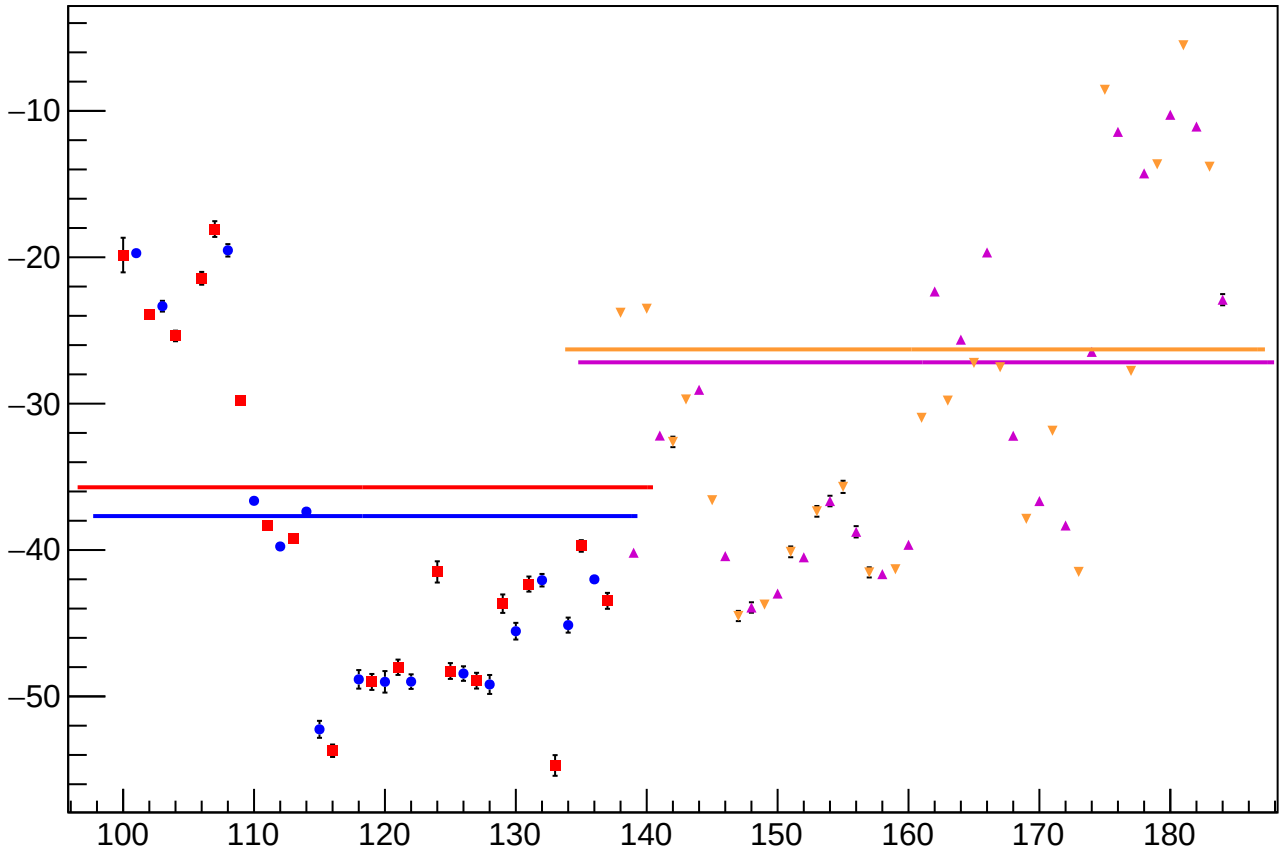
Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 9.632+/-0.040 χ^2/NDF:160129.8/38

Out: 11.118+/-0.035 χ^2/NDF:194388.1/42

All: 10.470+/-0.027 χ^2/NDF: 355284.8/81


reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
180
Right In: -40.709+/-0.076 χ²/NDF: 7780.4/15
Left Out: -35.897+/-0.043 χ²/NDF:33408.9/23
Right Out: -39.005+/-0.071 χ²/NDF: 10101.3/18
Left In: -35.737+/-0.045 χ²/NDF:27154.8/22
Left: -35.821+/-0.031 χ²/NDF: 60570.4/46
Right: -39.794+/-0.052 χ²/NDF: 18148.1/34
In: -37.013+/-0.039 χ²/NDF:38076.0/38
Out: -36.724+/-0.037 χ²/NDF:44914.9/42
All: -36.860+/-0.027 χ²/NDF: 83020.2/81



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: -27.176+/-0.057 χ^2/NDF:40990.1/22

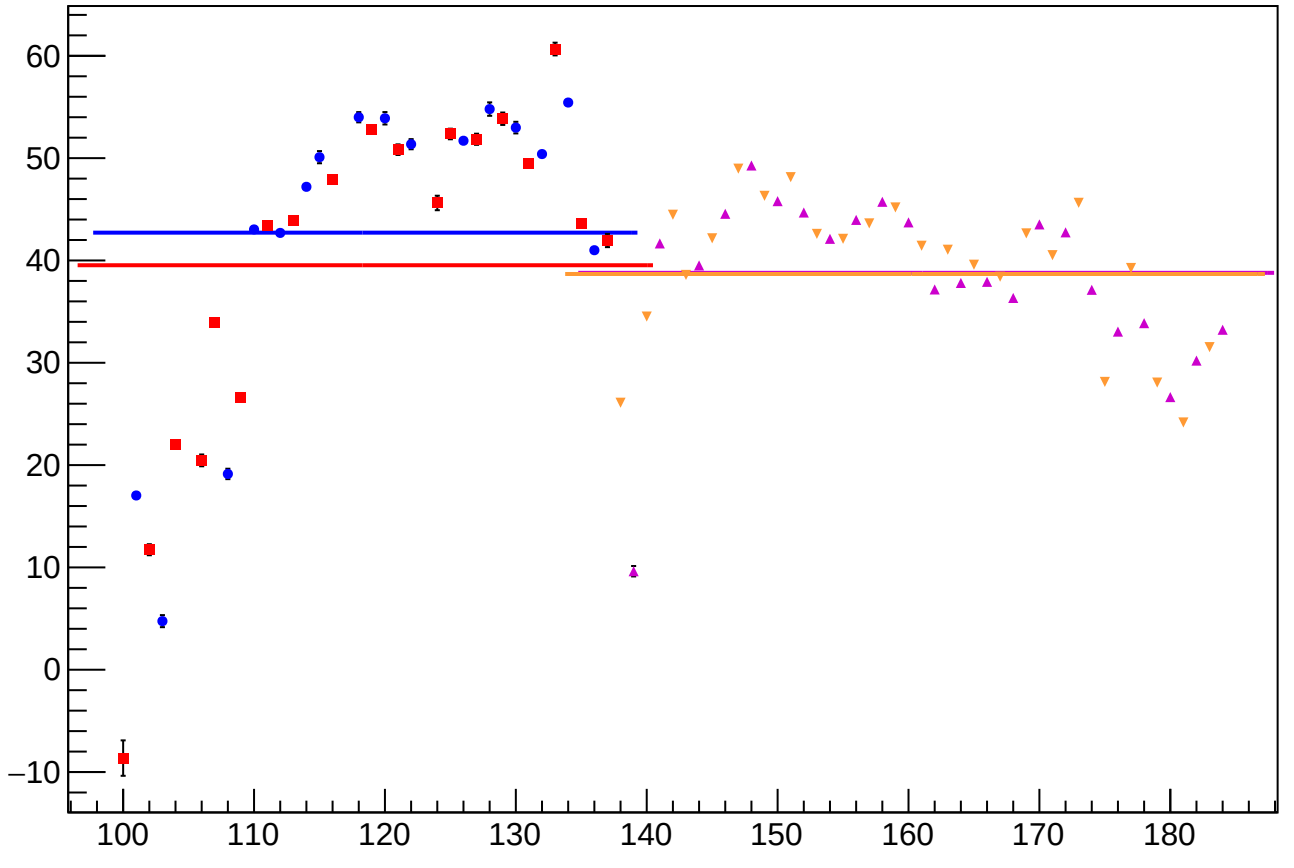
Left: -26.718+/-0.040 χ^2/NDF: 88882.7/46

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -31.124+/-0.045 χ^2/NDF:64508.8/38

Out: -30.277+/-0.042 χ^2/NDF:73422.4/42

All: -30.668+/-0.031 χ^2/NDF: 138120.4/81



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: 38.791+/-0.050 χ^2/NDF:16240.7/22

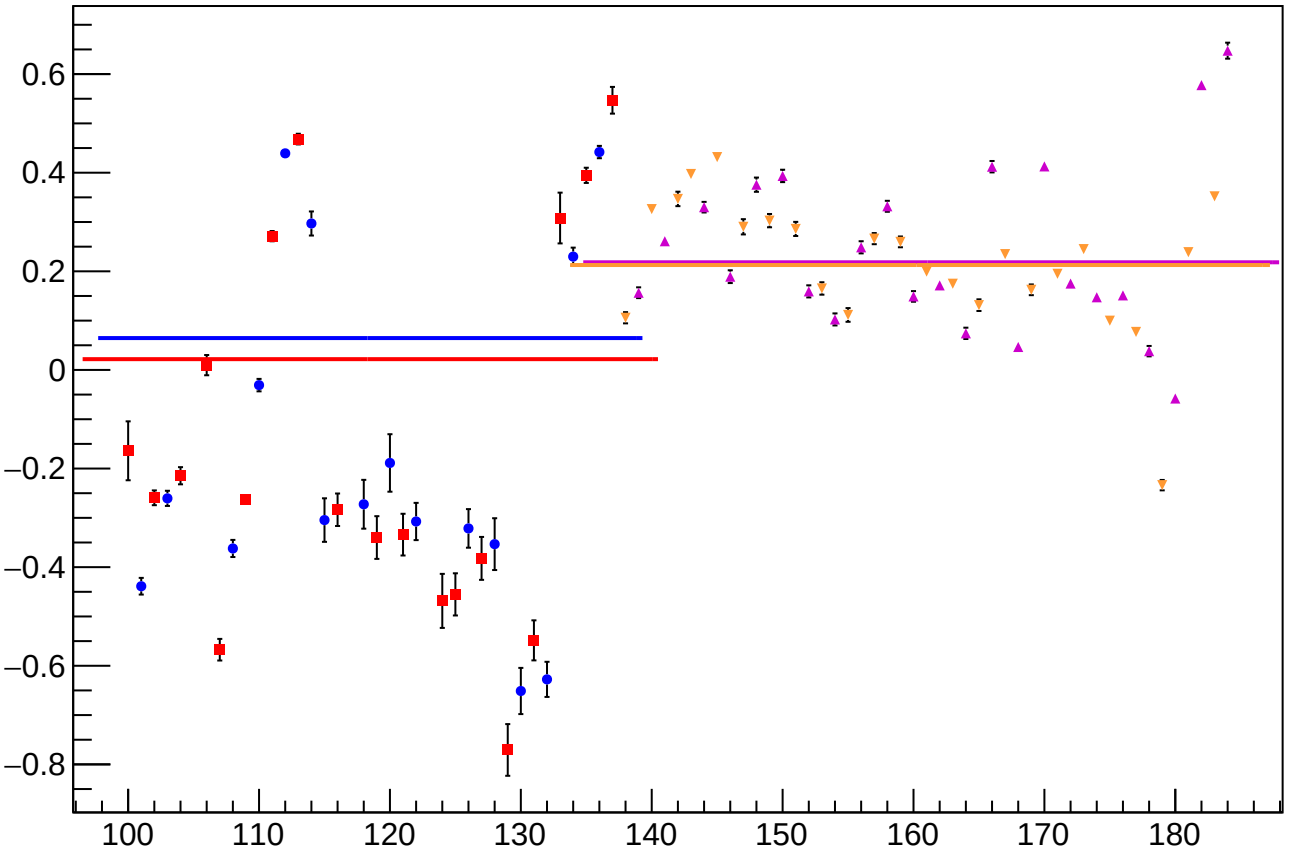
Left: 38.733+/-0.035 χ^2/NDF: 37069.8/46

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 39.805+/-0.043 χ^2/NDF:32586.6/38

Out: 38.913+/-0.041 χ^2/NDF:38891.4/42

All: 39.336+/-0.030 χ^2/NDF: 71702.2/81



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: 0.218+/-0.002 χ^2/NDF:5312.2/22

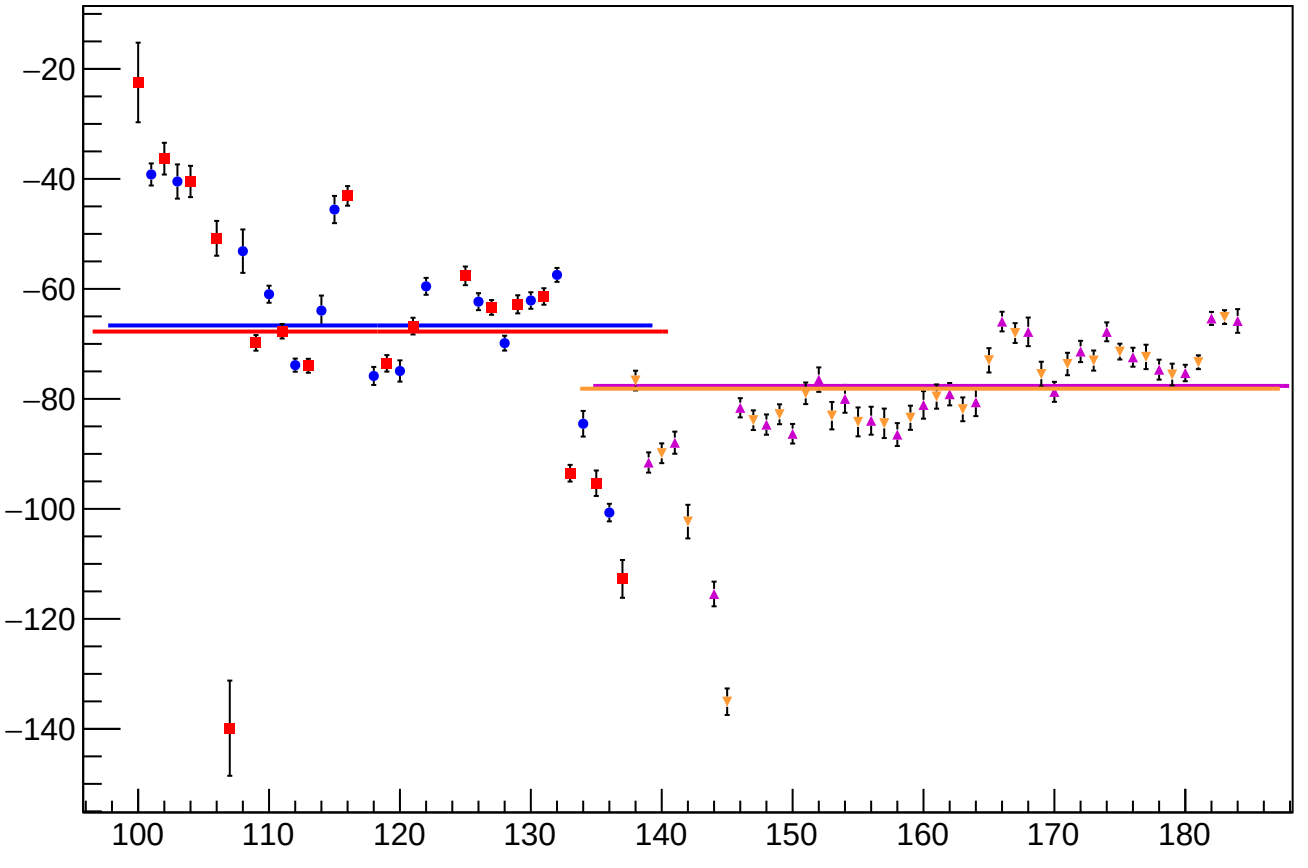
Left: 0.215+/-0.002 χ^2/NDF: 9146.6/46

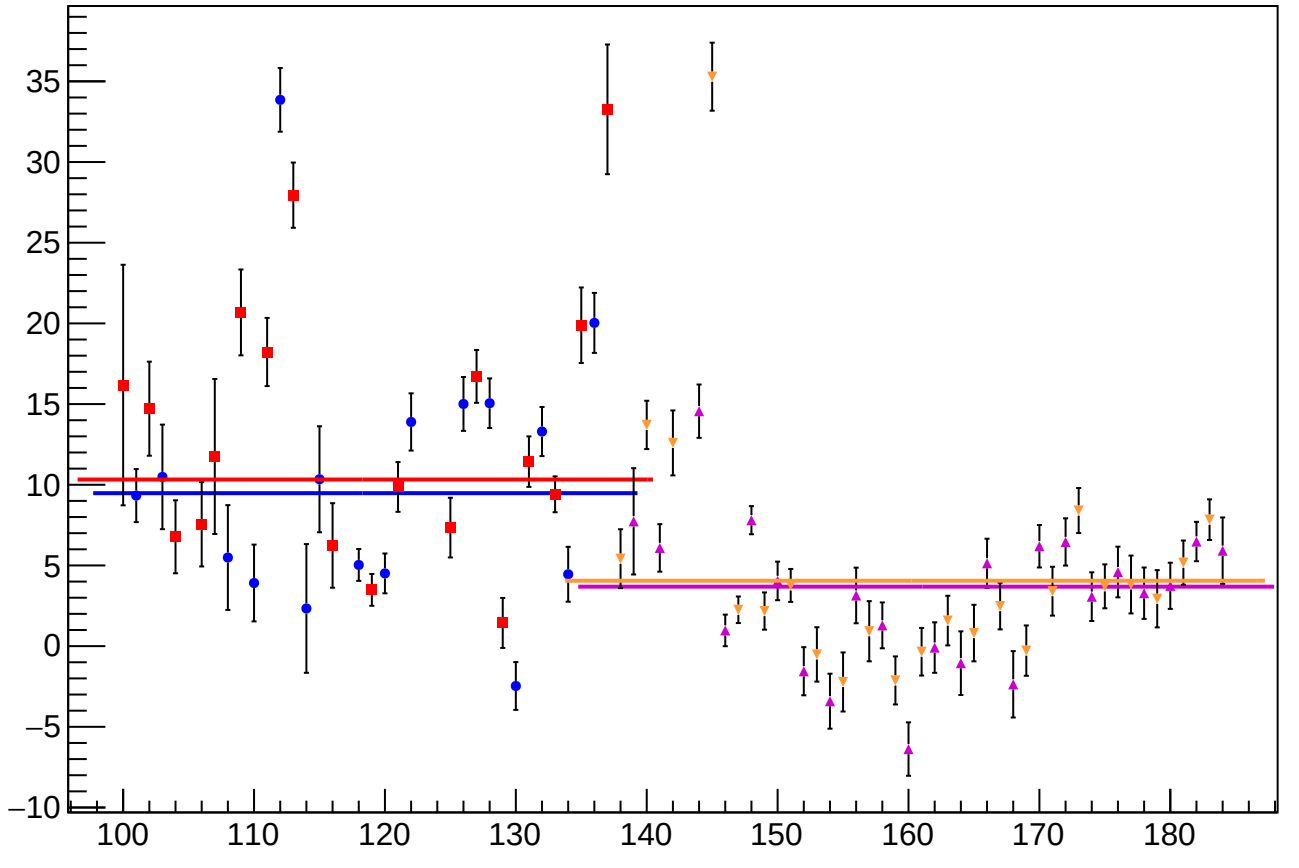
Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.191+/-0.002 χ^2/NDF:11641.1/38

Out: 0.175+/-0.002 χ^2/NDF:11757.2/42

All: 0.183+/-0.001 χ^2/NDF: 23431.9/81


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: -77.643+/-0.396 χ²/NDF:693.3/22
Left: -77.893+/-0.281 χ²/NDF: 1601.9/45
Right: -67.210+/-0.299 χ²/NDF: 2311.2/33
In: -72.542+/-0.290 χ²/NDF:2102.6/38
Out: -73.222+/-0.289 χ²/NDF:2486.0/40
All: -72.883+/-0.205 χ²/NDF: 4591.4/79



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 4.053+/-0.299 χ^2/NDF:370.3/22

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.871+/-0.212 χ^2/NDF: 553.7/45

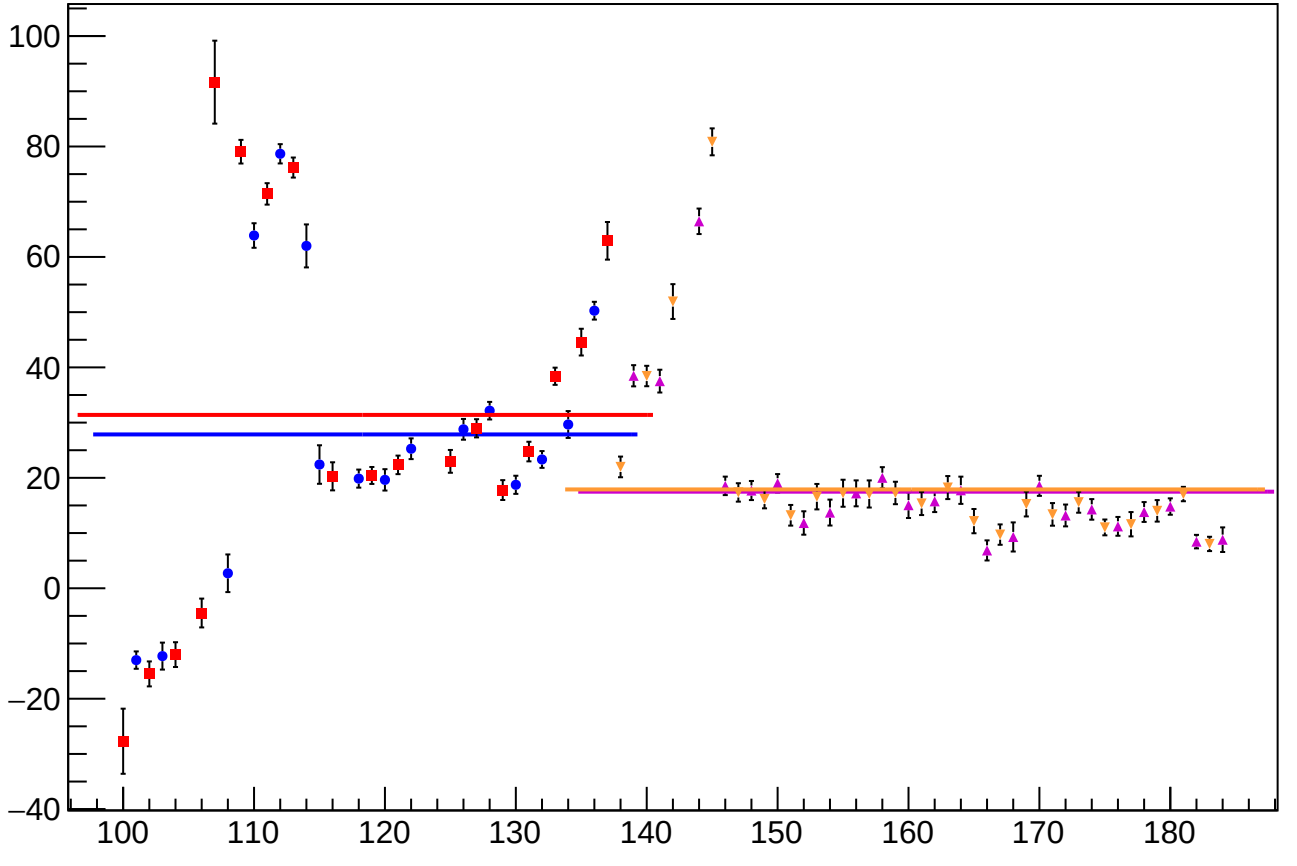
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.608+/-0.247 χ^2/NDF:646.9/38

Out: 6.063+/-0.247 χ^2/NDF:774.5/40

All: 5.836+/-0.174 χ^2/NDF: 1423.2/79

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 17.491+/-0.393 χ^2/NDF:820.7/22

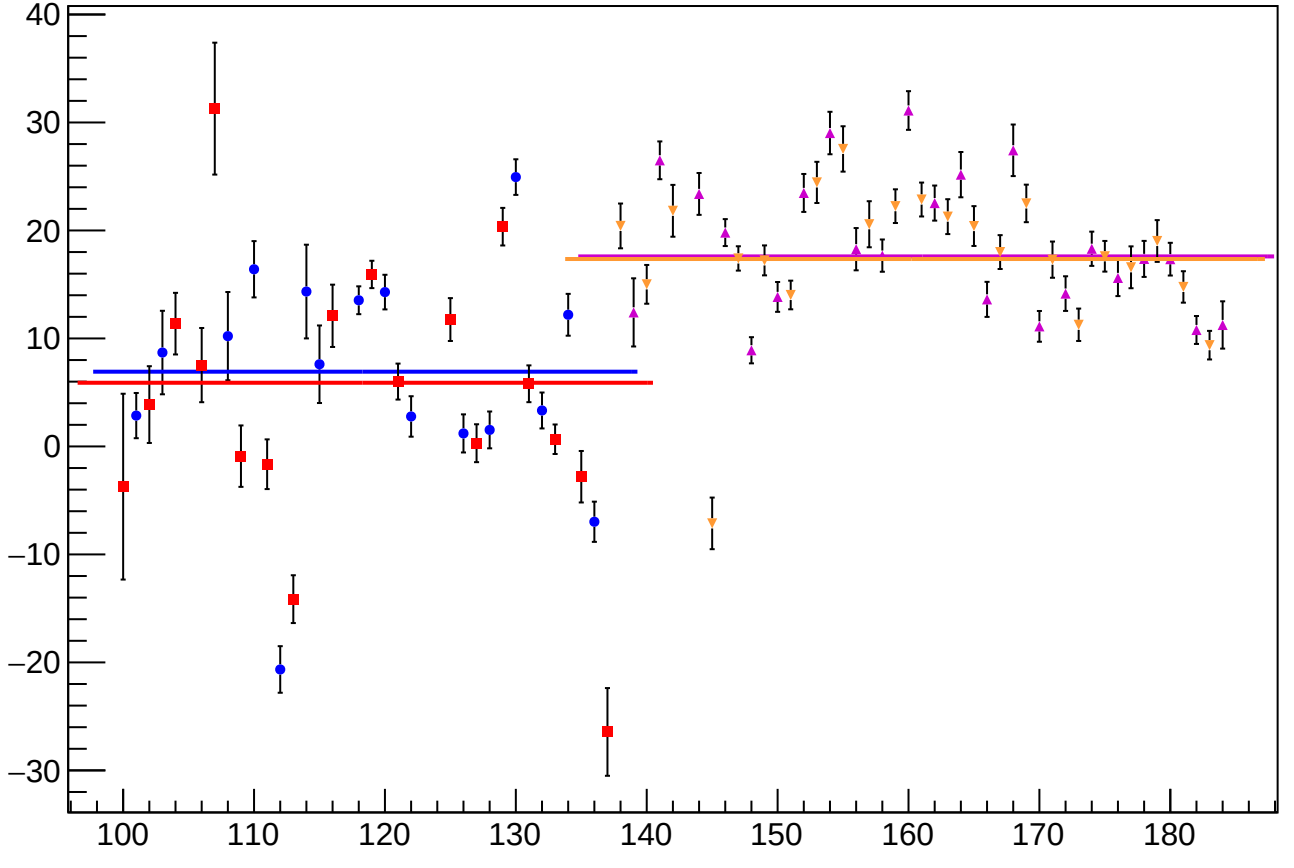
Left: 17.694+/-0.278 χ^2/NDF: 1868.7/45

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 21.624+/-0.305 χ^2/NDF:3572.5/38

Out: 23.242+/-0.307 χ^2/NDF:4521.6/40

All: 22.427+/-0.216 χ^2/NDF: 8108.1/79



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: 17.597+/-0.342 χ^2/NDF:309.7/22

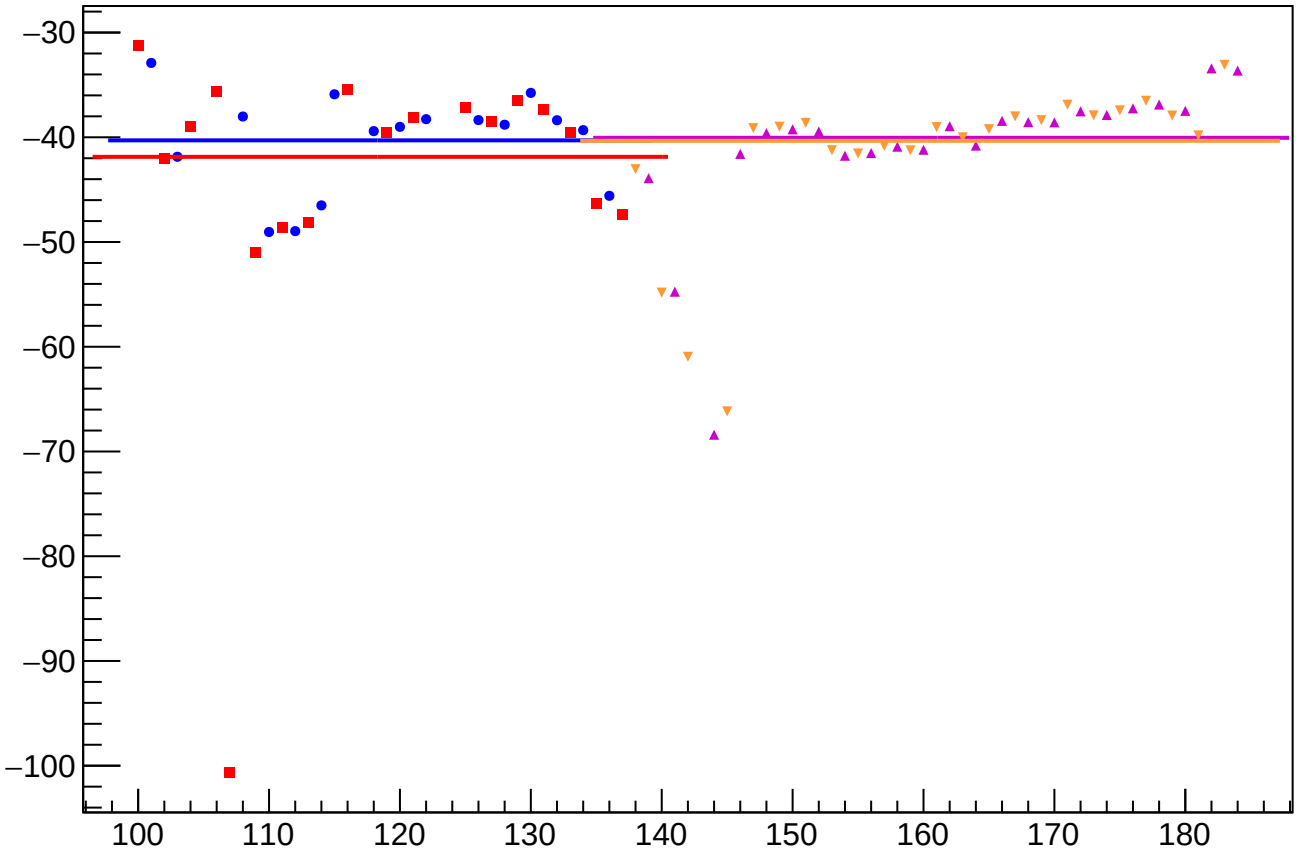
Left: 17.476+/-0.242 χ^2/NDF: 564.8/45

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 14.150+/-0.282 χ^2/NDF:1068.2/38

Out: 13.732+/-0.282 χ^2/NDF:979.3/40

All: 13.942+/-0.199 χ^2/NDF: 2048.6/79



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: -40.050+/-0.015 χ^2/NDF:136438.5/22

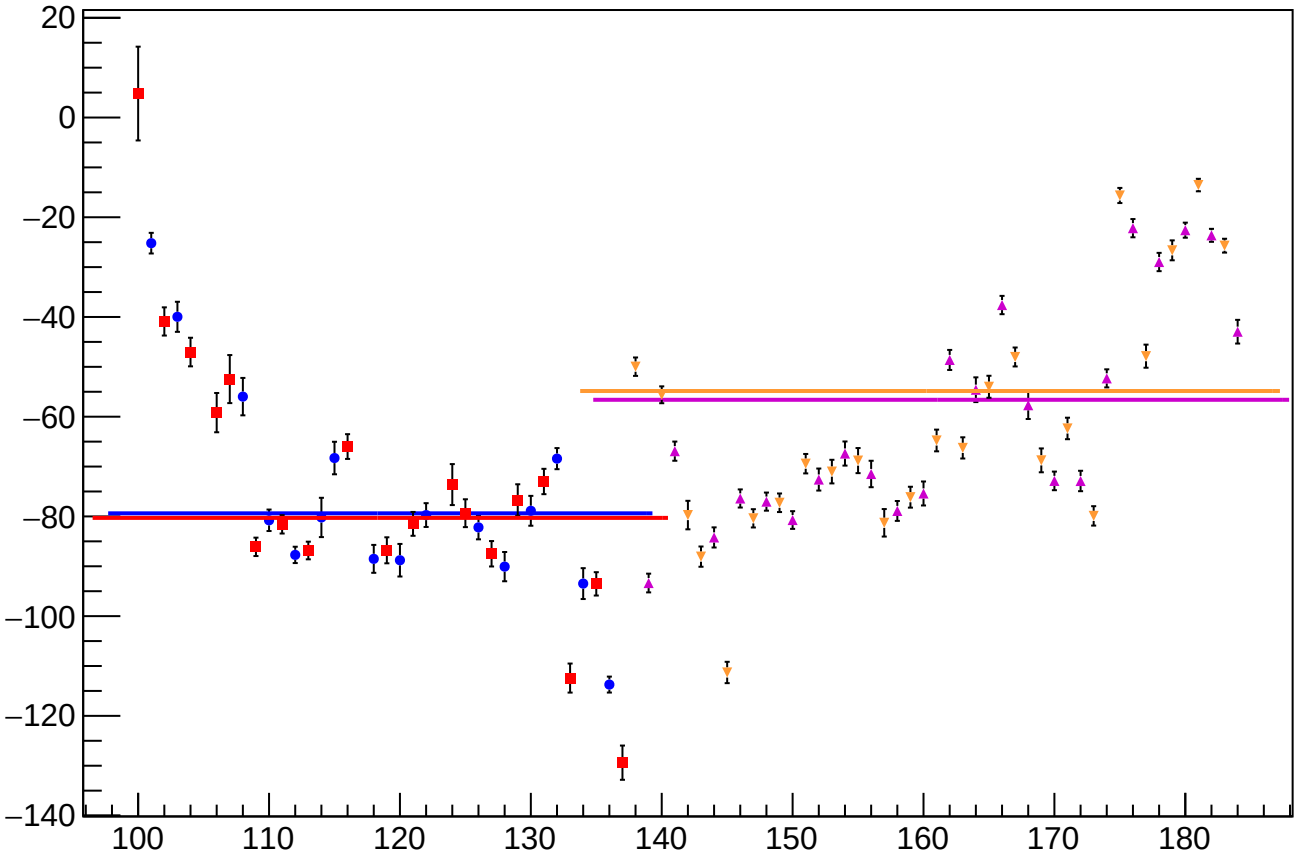
Left: -40.191+/-0.011 χ^2/NDF: 294956.1/45

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -40.097+/-0.014 χ^2/NDF:157150.5/38

Out: -40.629+/-0.014 χ^2/NDF:218920.2/40

All: -40.359+/-0.010 χ^2/NDF: 376801.1/79



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: -56.609+/-0.404 χ^2/NDF:3350.3/22

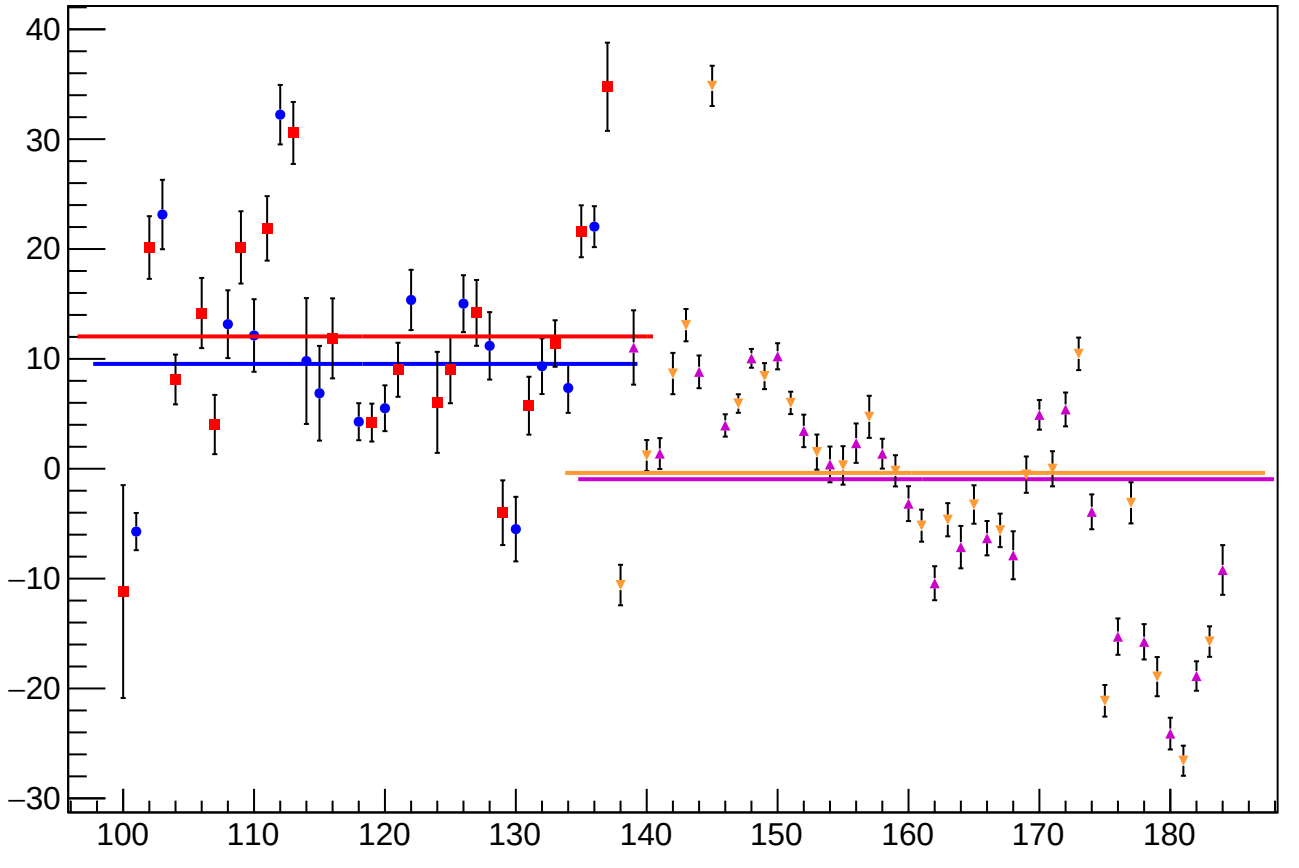
Left: -55.713+/-0.283 χ^2/NDF: 7749.6/46

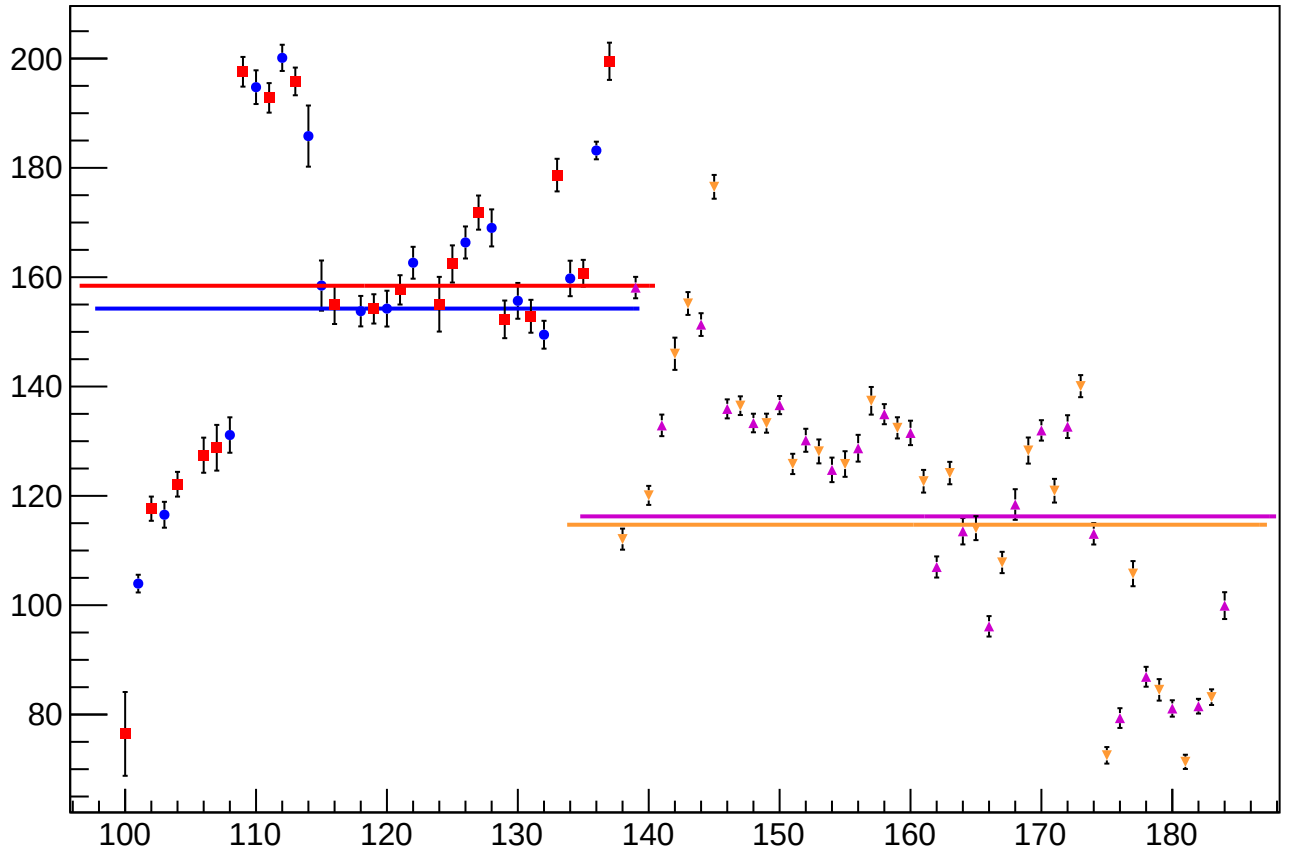
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -63.529+/-0.337 χ^2/NDF:5792.9/38

Out: -62.508+/-0.331 χ^2/NDF:6544.8/42

All: -63.010+/-0.236 χ^2/NDF: 12342.4/81


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
180
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: -0.380+/-0.296 χ²/NDF:1560.1/23
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: -0.952+/-0.304 χ²/NDF:1069.6/22
Left: -0.659+/-0.212 χ²/NDF: 2631.5/46
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 1.076+/-0.273 χ²/NDF:1566.8/38
Out: 1.826+/-0.268 χ²/NDF:2069.0/42
All: 1.457+/-0.191 χ²/NDF: 3639.6/81



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: 116.246+/-0.399 χ^2/NDF:3637.3/22

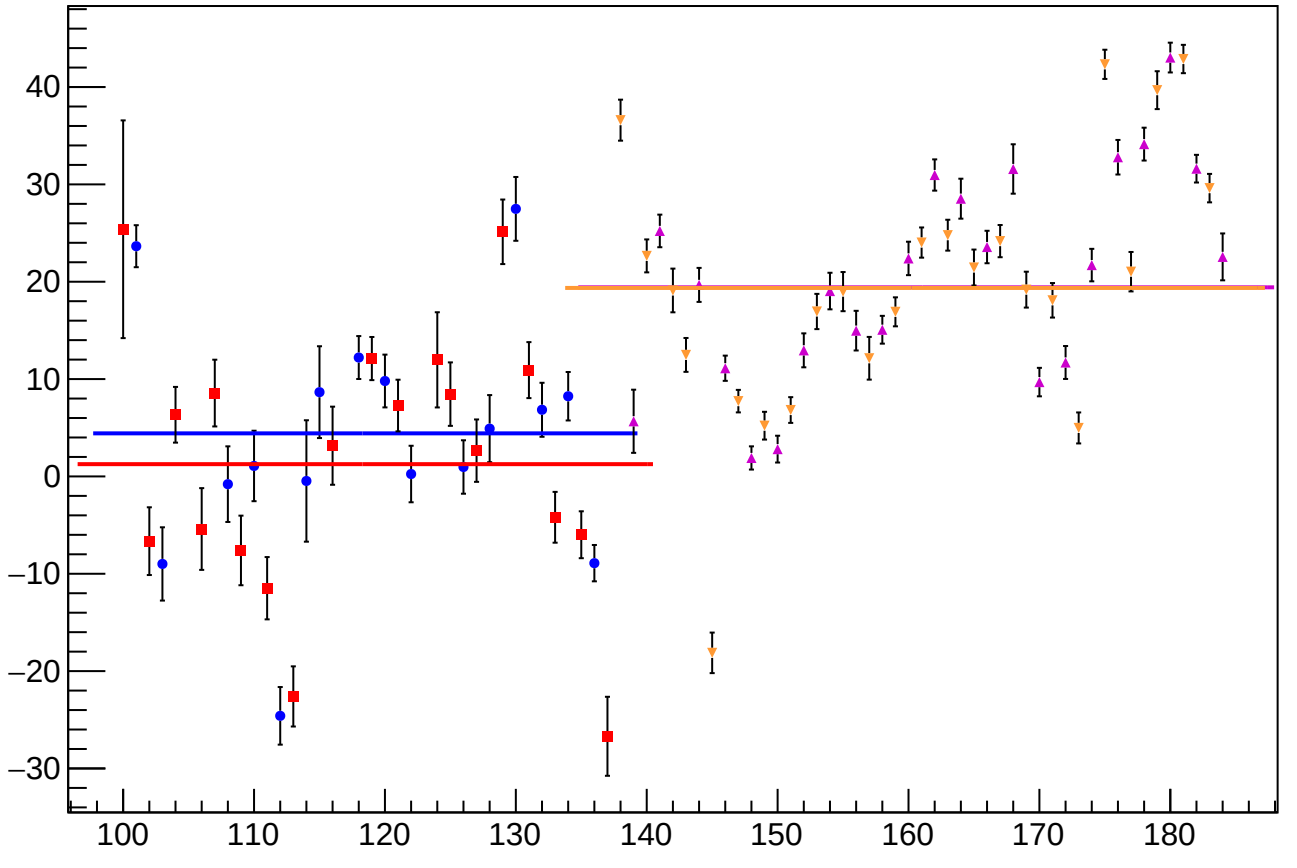
Left: 115.471+/-0.280 χ^2/NDF: 8357.5/46

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 126.388+/-0.342 χ^2/NDF:8270.7/38

Out: 125.610+/-0.341 χ^2/NDF:9456.7/42

All: 125.998+/-0.241 χ^2/NDF: 17729.9/81



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: 19.425+/-0.346 χ^2/NDF:1077.2/22

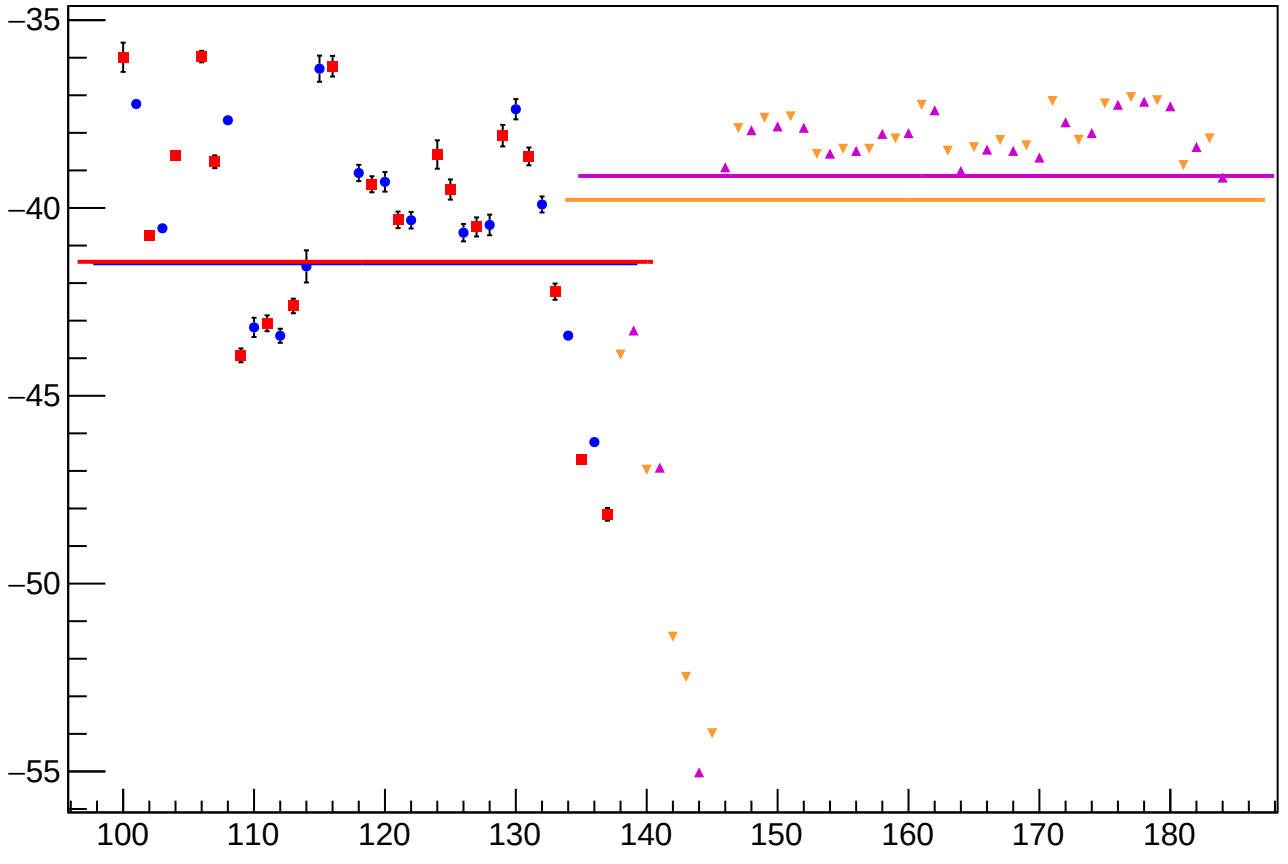
Left: 19.393+/-0.242 χ^2/NDF: 2559.8/46

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 16.576+/-0.311 χ^2/NDF:1750.9/38

Out: 16.171+/-0.307 χ^2/NDF:2251.8/42

All: 16.371+/-0.219 χ^2/NDF: 4003.5/81



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -39.785+/-0.016 χ^2/NDF:81712.7/23

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

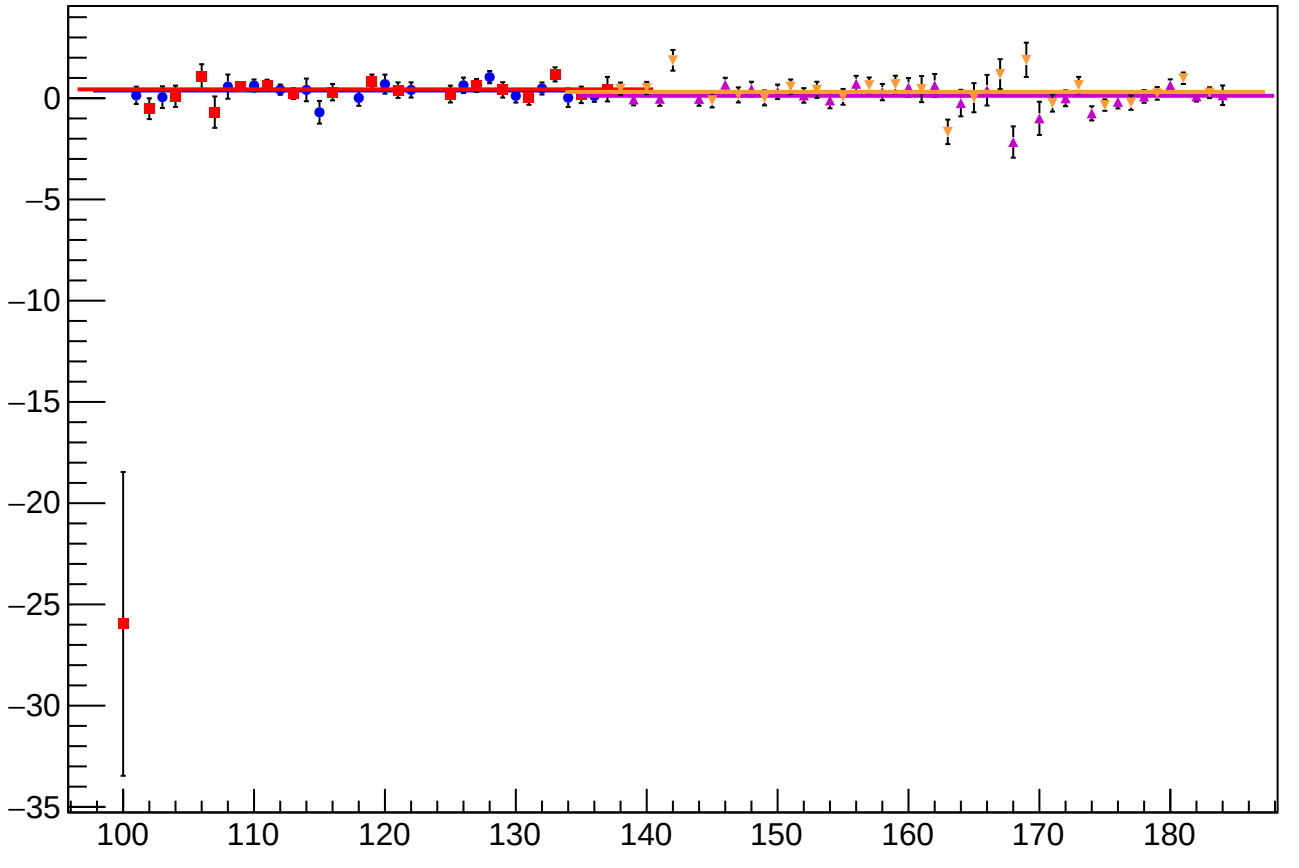
Left: -39.467+/-0.011 χ^2/NDF: 129455.5/46

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -39.481+/-0.014 χ^2/NDF:58005.4/38

Out: -40.007+/-0.014 χ^2/NDF:91443.7/42

All: -39.743+/-0.010 χ^2/NDF: 150108.1/81



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: 0.120+/-0.079 χ^2/NDF:30.0/22

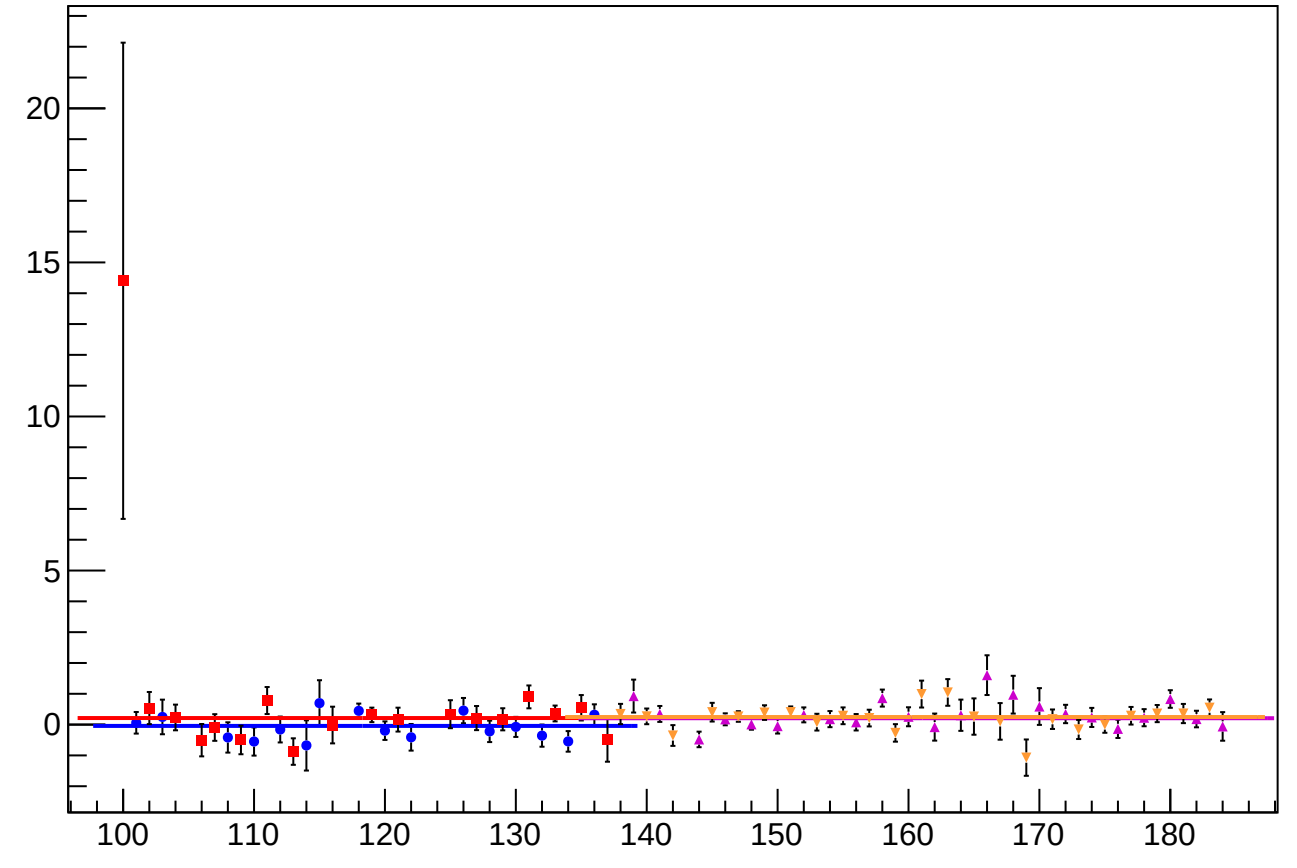
Left: 0.217+/-0.056 χ^2/NDF: 79.1/45

Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.232+/-0.060 χ^2/NDF:48.6/38

Out: 0.366+/-0.059 χ^2/NDF:76.3/40

All: 0.300+/-0.042 χ^2/NDF: 127.4/79



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: 0.207+/-0.060 χ^2/NDF:31.9/22

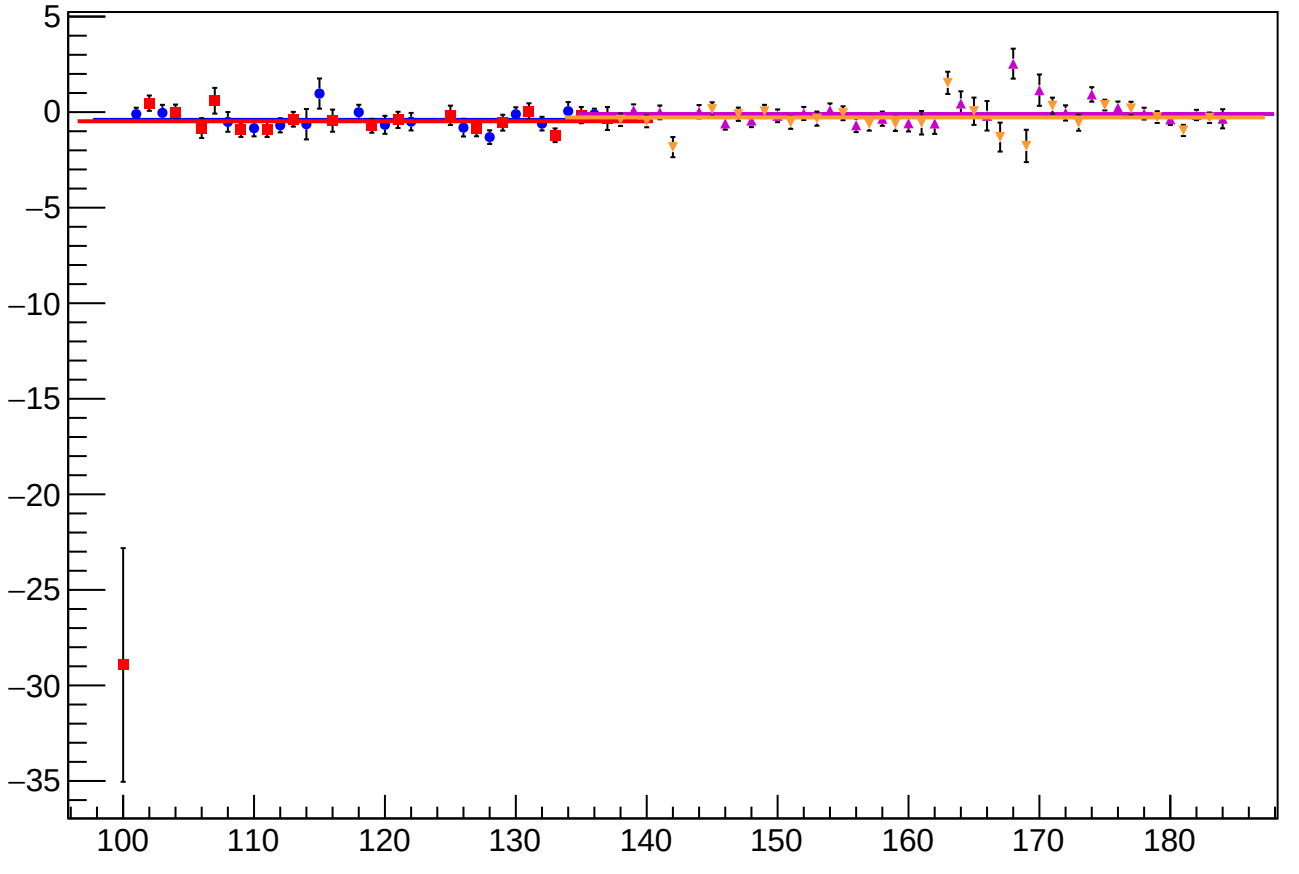
Left: 0.227+/-0.042 χ^2/NDF: 56.0/45

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.134+/-0.051 χ^2/NDF:51.9/38

Out: 0.236+/-0.051 χ^2/NDF:46.4/40

All: 0.186+/-0.036 χ^2/NDF: 100.3/79



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: -0.100+/-0.078 χ^2/NDF:33.2/22

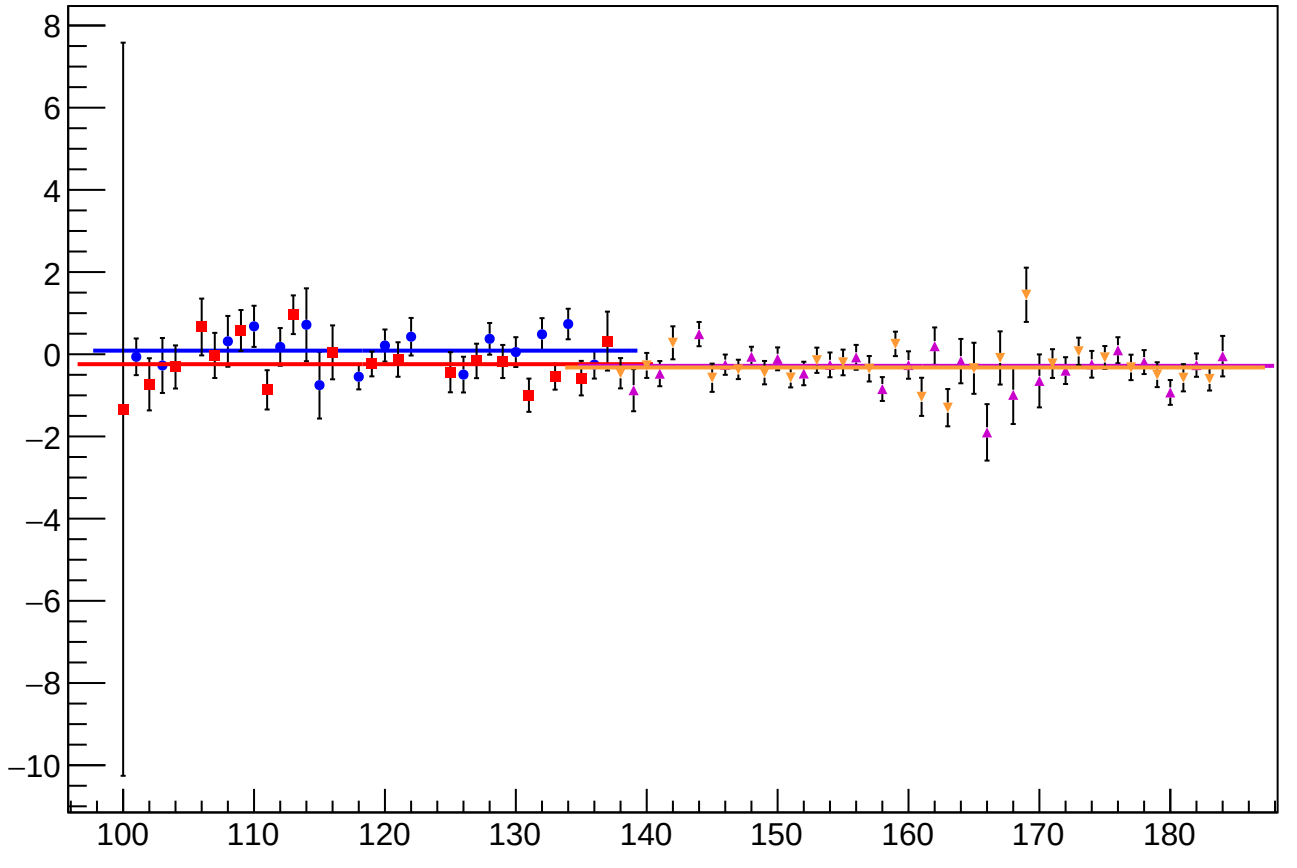
Left: -0.189+/-0.055 χ^2/NDF: 80.2/45

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.212+/-0.062 χ^2/NDF:56.6/38

Out: -0.350+/-0.062 χ^2/NDF:88.9/40

All: -0.281+/-0.044 χ^2/NDF: 148.0/79



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: -0.282+/-0.069 χ^2/NDF:29.0/22

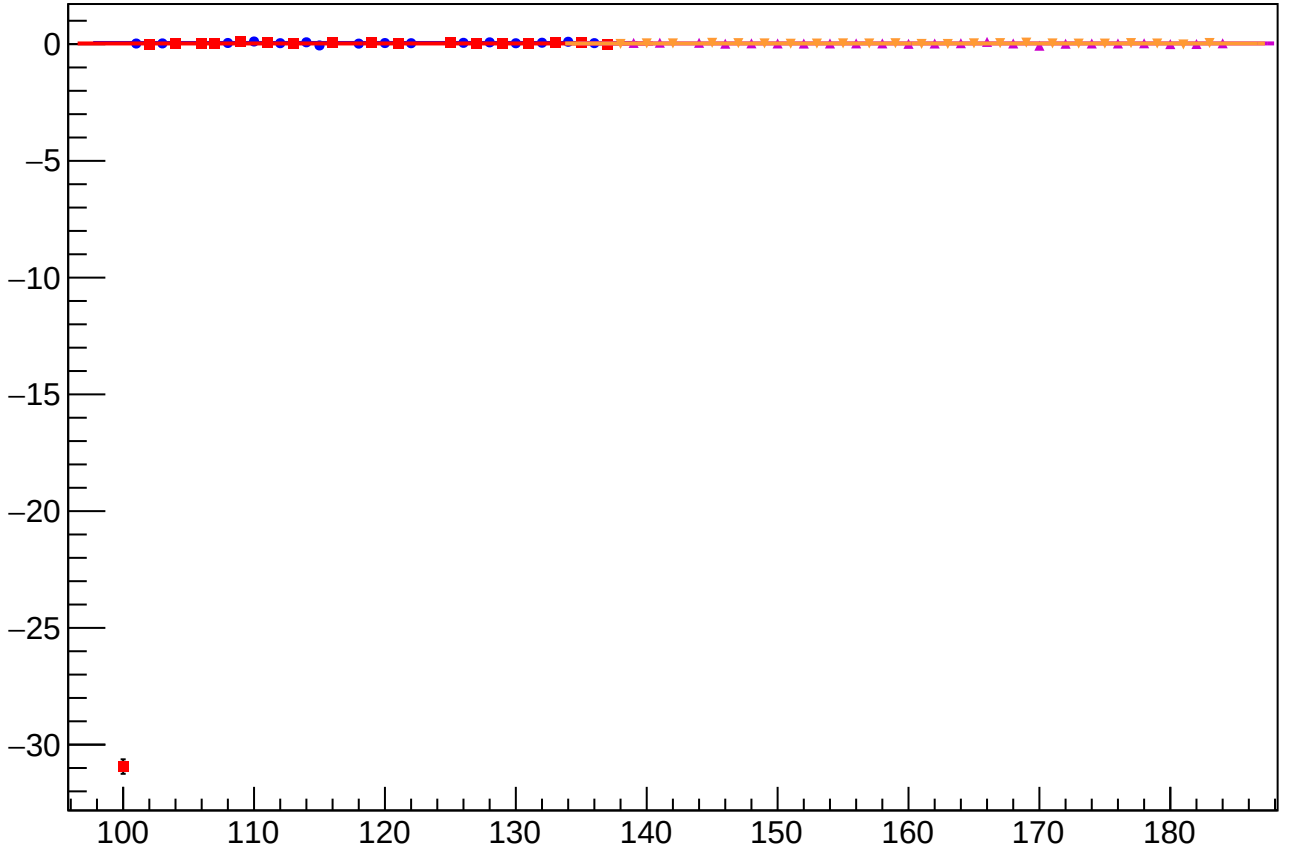
Left: -0.302+/-0.049 χ^2/NDF: 56.0/45

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.175+/-0.058 χ^2/NDF:53.2/38

Out: -0.299+/-0.058 χ^2/NDF:46.9/40

All: -0.237+/-0.041 χ^2/NDF: 102.3/79



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:38.9/22

Left: 0.028+/-0.002 χ^2/NDF: 63.9/45

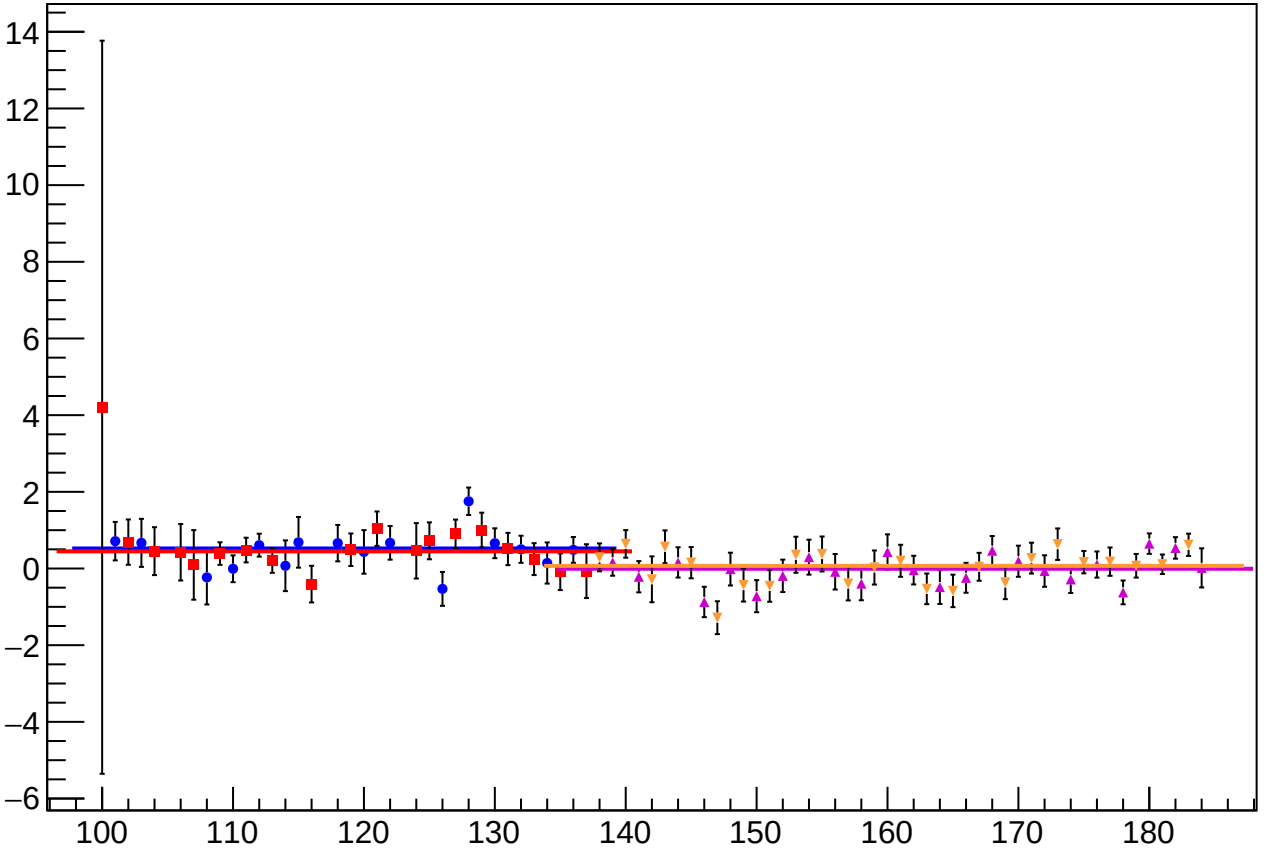
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.033+/-0.003 χ^2/NDF:65.6/38

Out: 0.027+/-0.003 χ^2/NDF:10045.7/40

All: 0.030+/-0.002 χ^2/NDF: 10113.5/79

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.069+/-0.078 χ^2/NDF:31.1/23

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

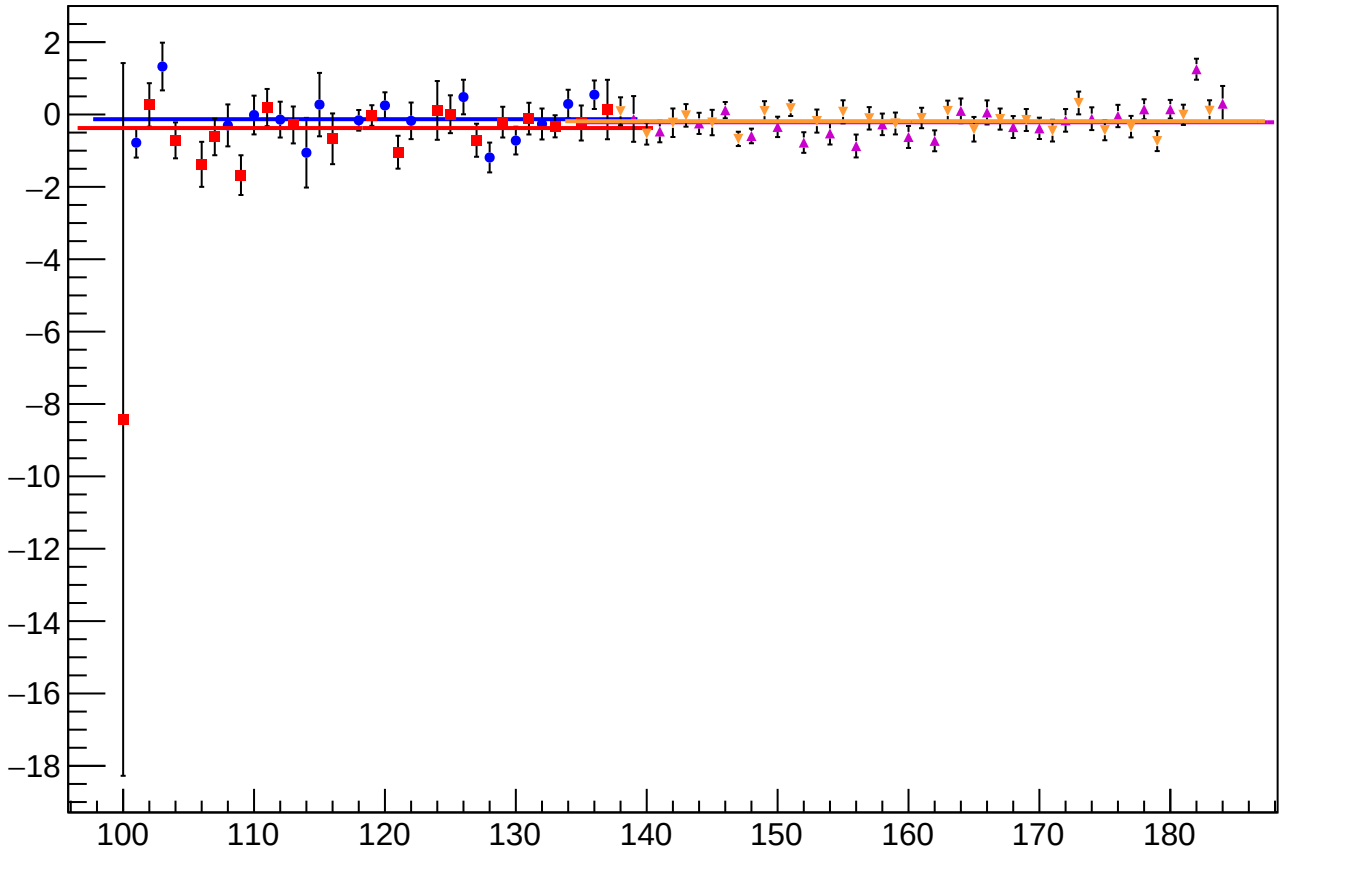
Left: 0.032+/-0.056 χ^2/NDF: 60.1/46

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.178+/-0.064 χ^2/NDF:66.6/38

Out: 0.203+/-0.063 χ^2/NDF:50.9/42

All: 0.191+/-0.045 χ^2/NDF: 117.6/81



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: -0.216+/-0.062 χ^2/NDF:53.6/22

Left: -0.200+/-0.043 χ^2/NDF: 77.8/46

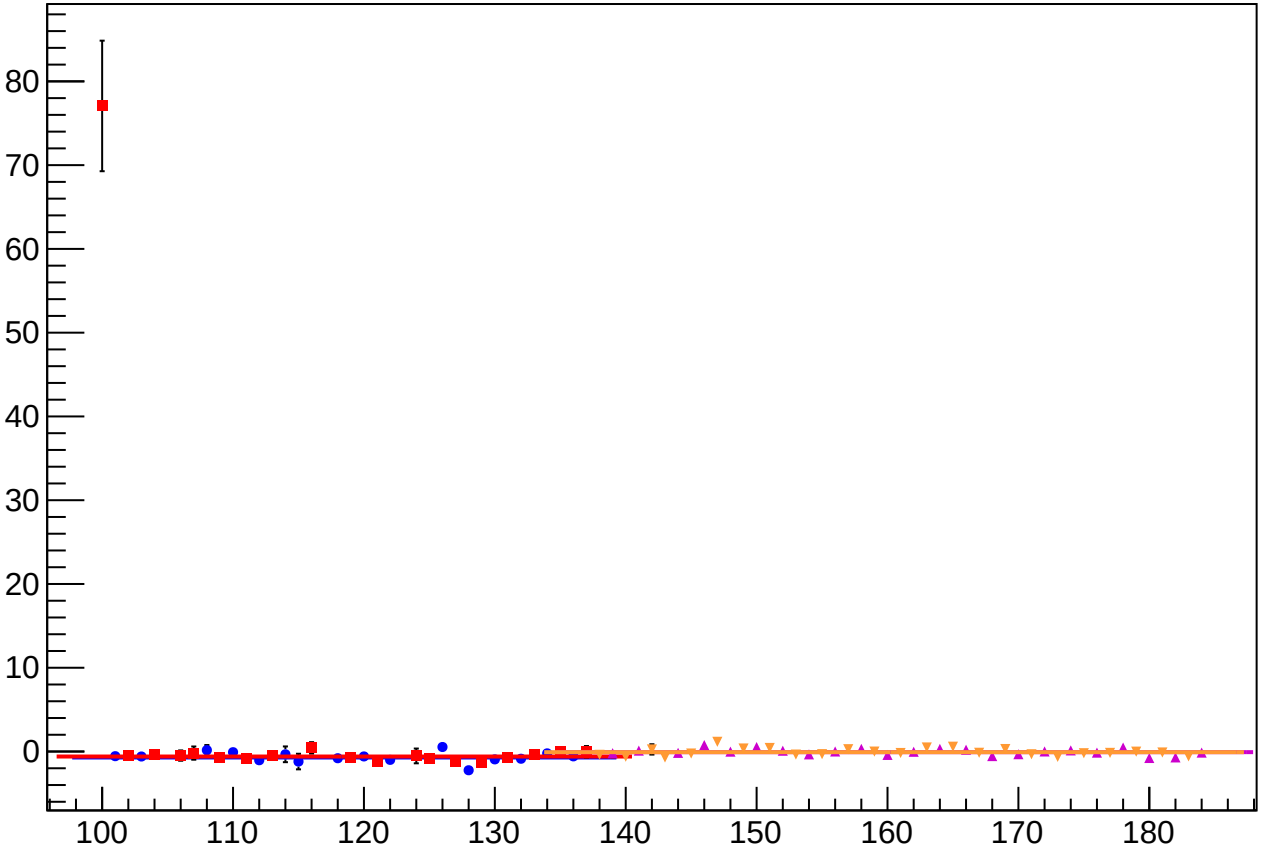
Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.196+/-0.054 χ^2/NDF:78.6/38

Out: -0.227+/-0.052 χ^2/NDF:44.5/42

All: -0.212+/-0.038 χ^2/NDF: 123.3/81

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: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.077+/-0.055 χ^2/NDF: 58.3/46

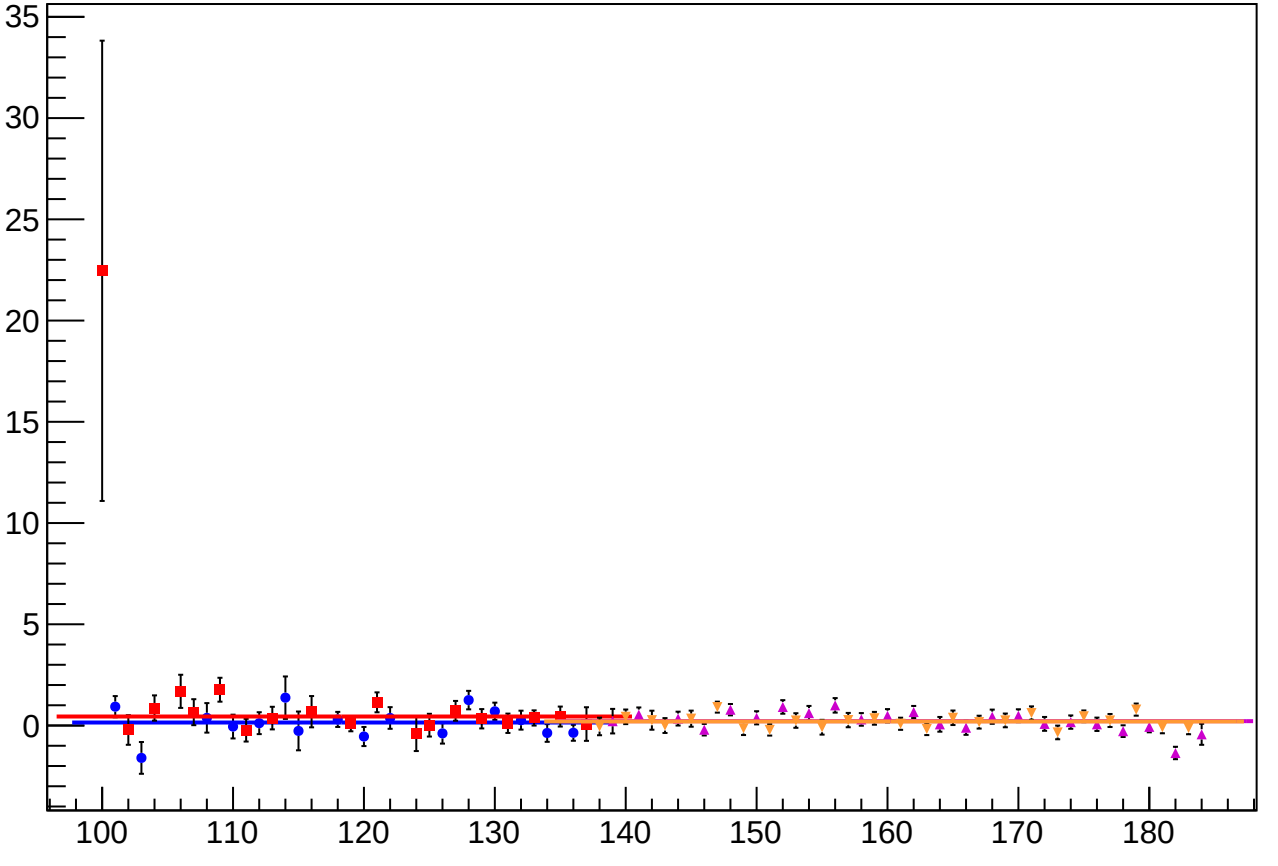
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.263+/-0.066 χ^2/NDF:72.6/38

Out: -0.227+/-0.065 χ^2/NDF:153.9/42

All: -0.245+/-0.046 χ^2/NDF: 226.6/81

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.201+/-0.067 χ^2/NDF:24.9/23

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

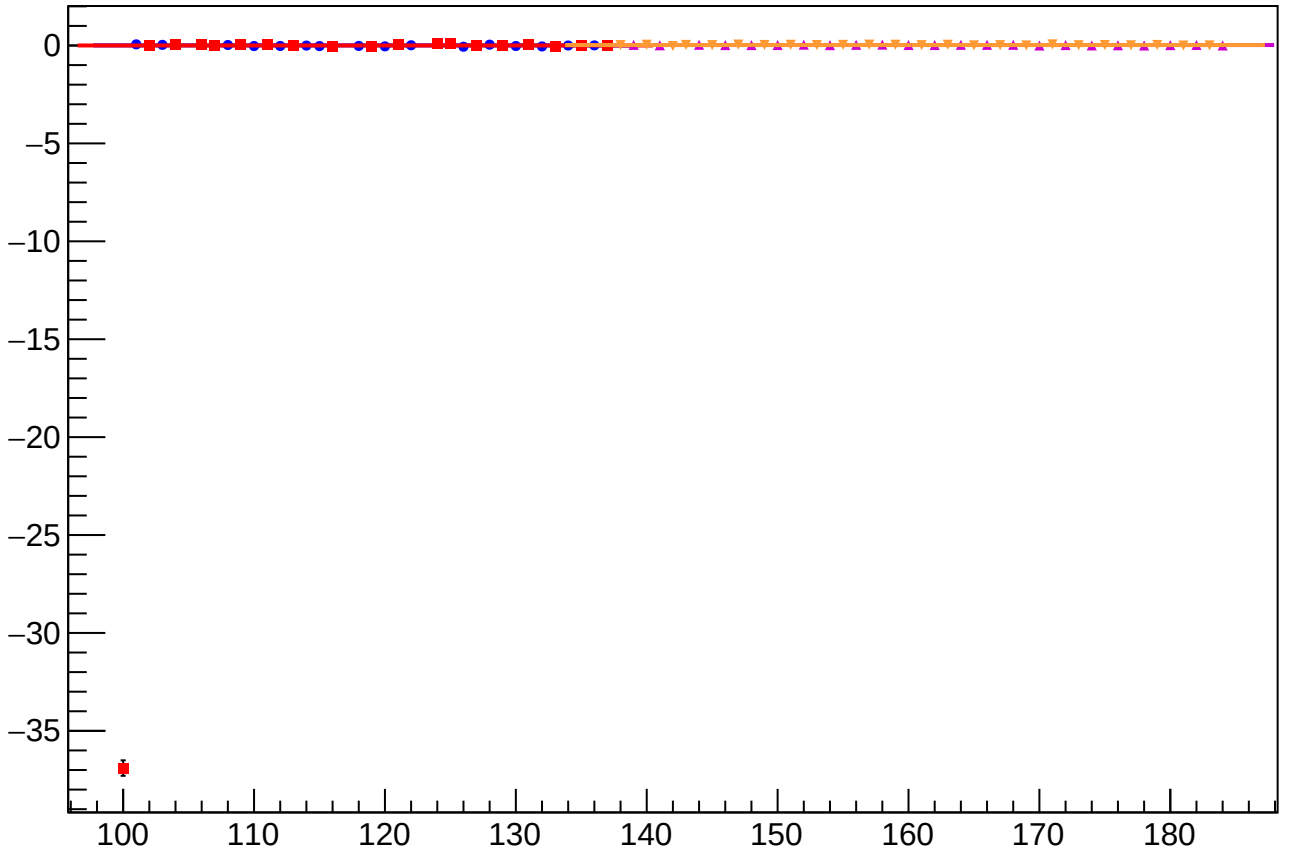
Left: 0.208+/-0.048 χ^2/NDF: 80.0/46

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.200+/-0.061 χ^2/NDF:78.5/38

Out: 0.253+/-0.060 χ^2/NDF:47.5/42

All: 0.227+/-0.043 χ^2/NDF: 126.4/81



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: 0.024+/-0.003 χ^2/NDF:18.0/22

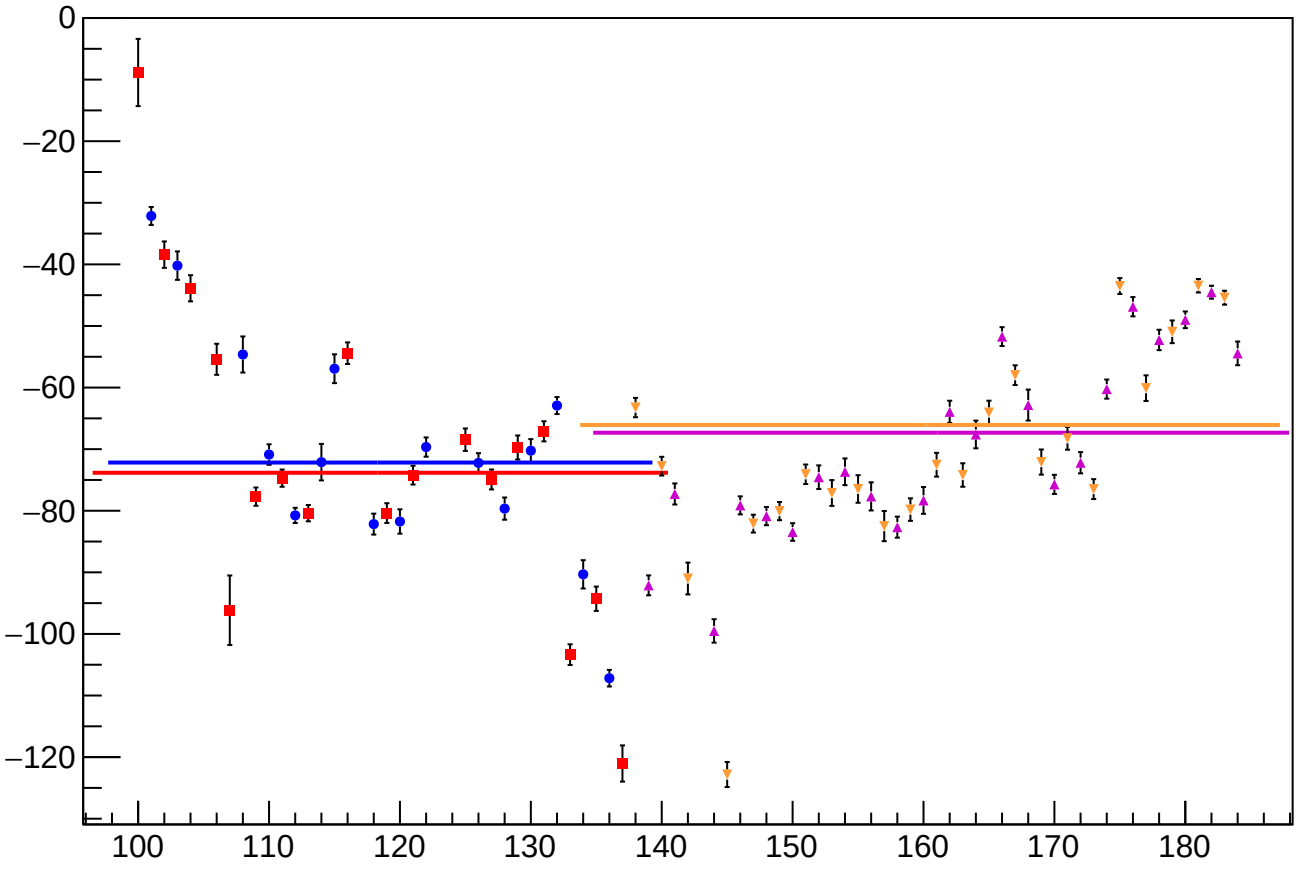
Left: 0.024+/-0.002 χ^2/NDF: 47.6/46

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.022+/-0.003 χ^2/NDF:40.7/38

Out: 0.021+/-0.003 χ^2/NDF:8790.1/42

All: 0.021+/-0.002 χ^2/NDF: 8830.8/81



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: -67.331+/-0.345 χ^2/NDF:2102.6/22

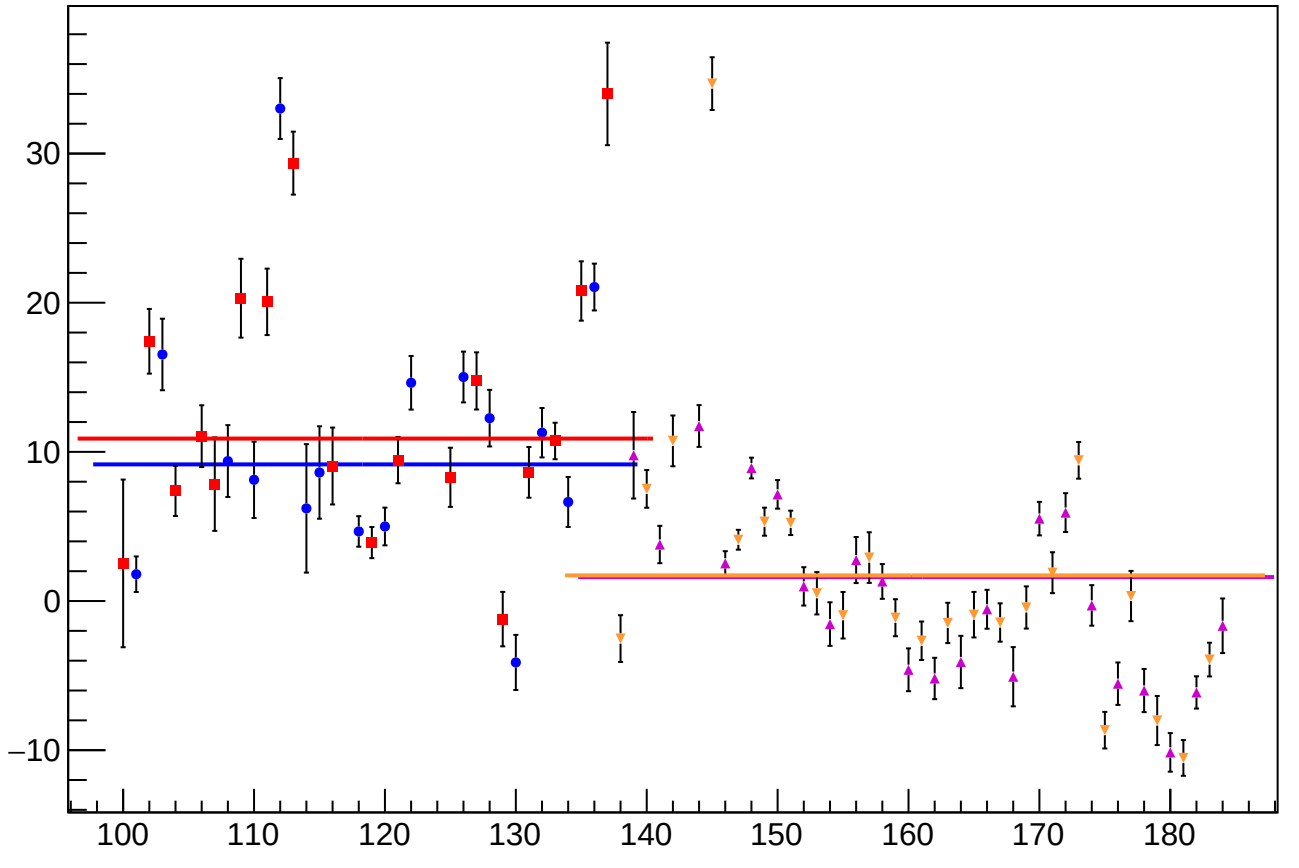
Left: -66.705+/-0.245 χ^2/NDF: 4638.2/45

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -69.218+/-0.270 χ^2/NDF:4115.3/38

Out: -69.127+/-0.270 χ^2/NDF:4283.4/40

All: -69.172+/-0.191 χ^2/NDF: 8398.8/79



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: 1.605+/-0.258 χ^2/NDF:496.6/22

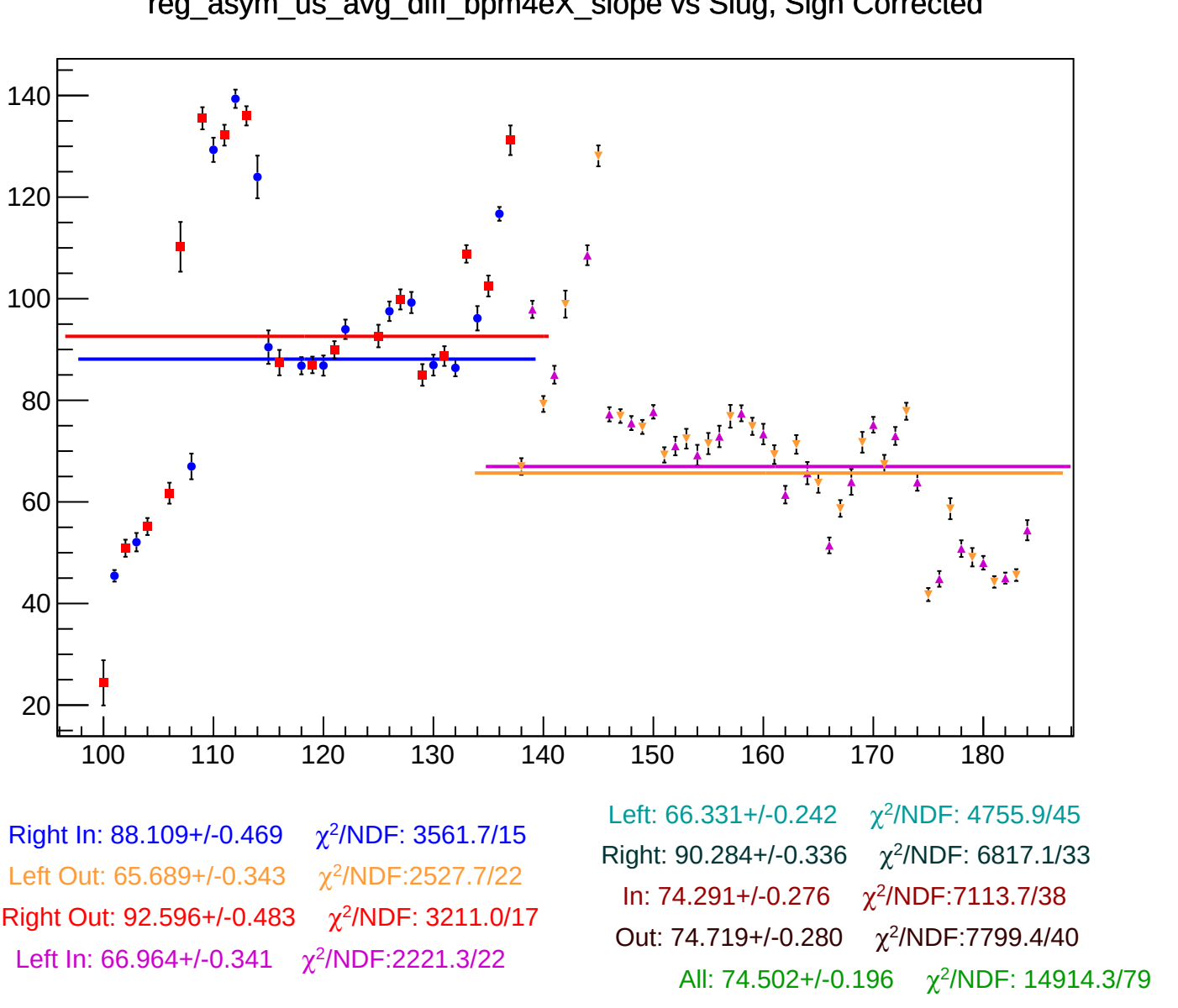
Left: 1.662+/-0.182 χ^2/NDF: 1260.8/45

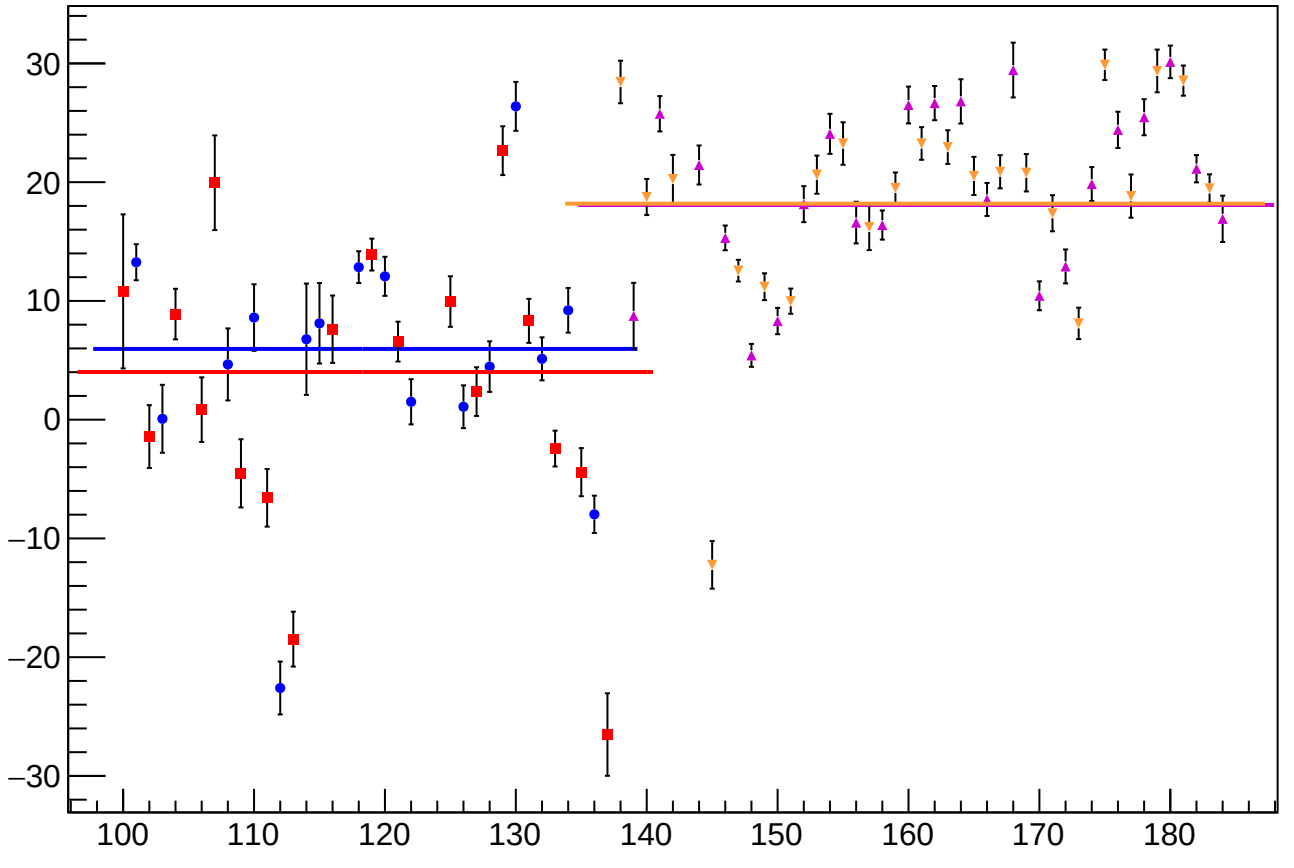
Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 3.644+/-0.221 χ^2/NDF:1079.3/38

Out: 4.039+/-0.221 χ^2/NDF:1378.9/40

All: 3.841+/-0.156 χ^2/NDF: 2459.9/79


reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
140
120
100
80
60
40
20
100
110
120
130
140
150
160
170
180
Right In: 88.109+/-0.469 χ2/NDF: 3561.7/15
Left Out: 65.689+/-0.343 χ2/NDF:2527.7/22
Right Out: 92.596+/-0.483 χ2/NDF: 3211.0/17
Left In: 66.964+/-0.341 χ2/NDF:2221.3/22
Left: 66.331+/-0.242 χ2/NDF: 4755.9/45
Right: 90.284+/-0.336 χ2/NDF: 6817.1/33
In: 74.291+/-0.276 χ2/NDF:7113.7/38
Out: 74.719+/-0.280 χ2/NDF:7799.4/40
All: 74.502+/-0.196 χ2/NDF: 14914.3/79



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: 18.079+/-0.295 χ^2/NDF:605.0/22

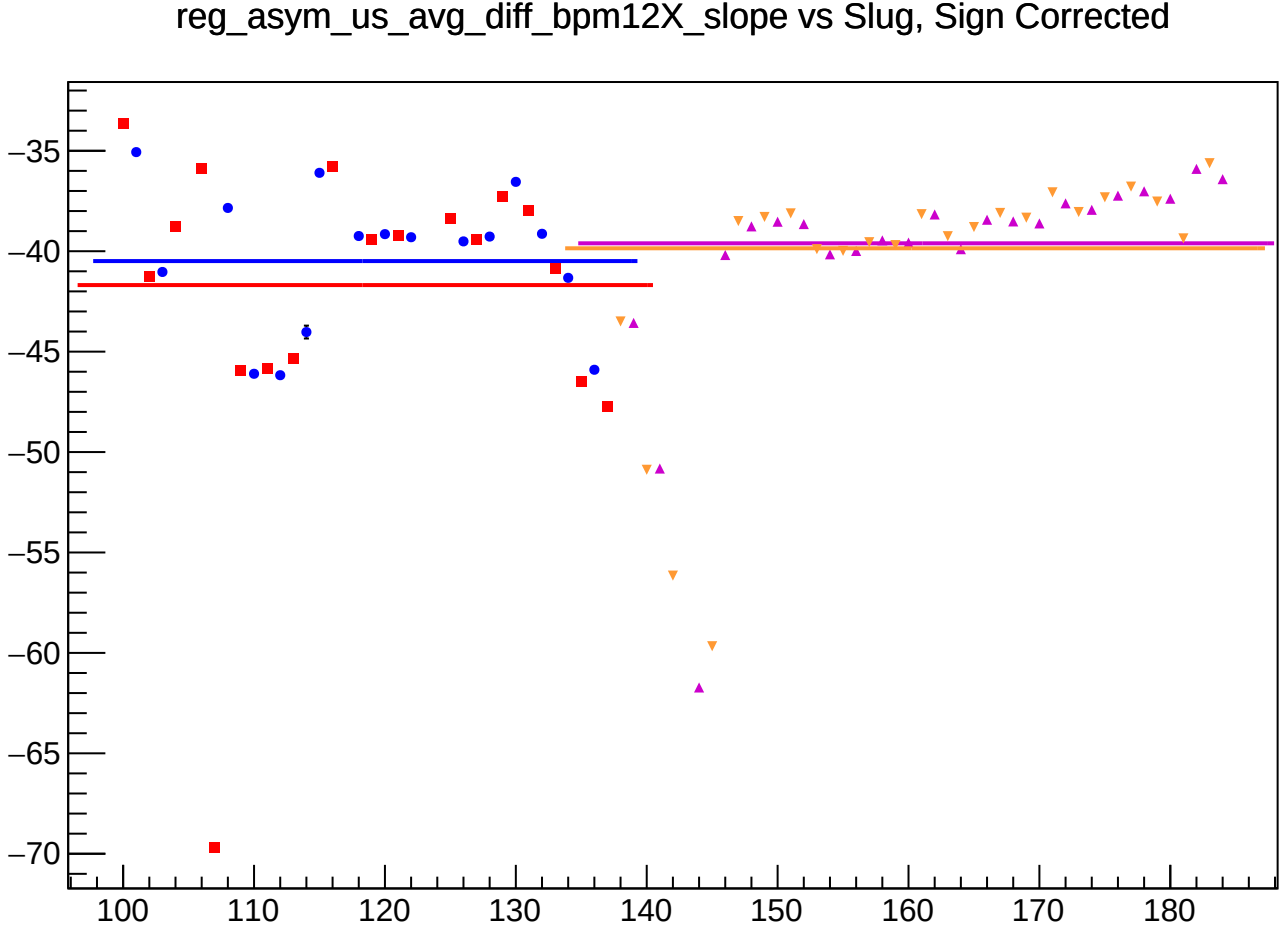
Left: 18.135+/-0.208 χ^2/NDF: 1299.3/45

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 14.902+/-0.253 χ^2/NDF:1474.8/38

Out: 14.647+/-0.255 χ^2/NDF:1692.1/40

All: 14.775+/-0.180 χ^2/NDF: 3167.4/79



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: -39.606+/-0.013 χ^2/NDF:106639.2/22

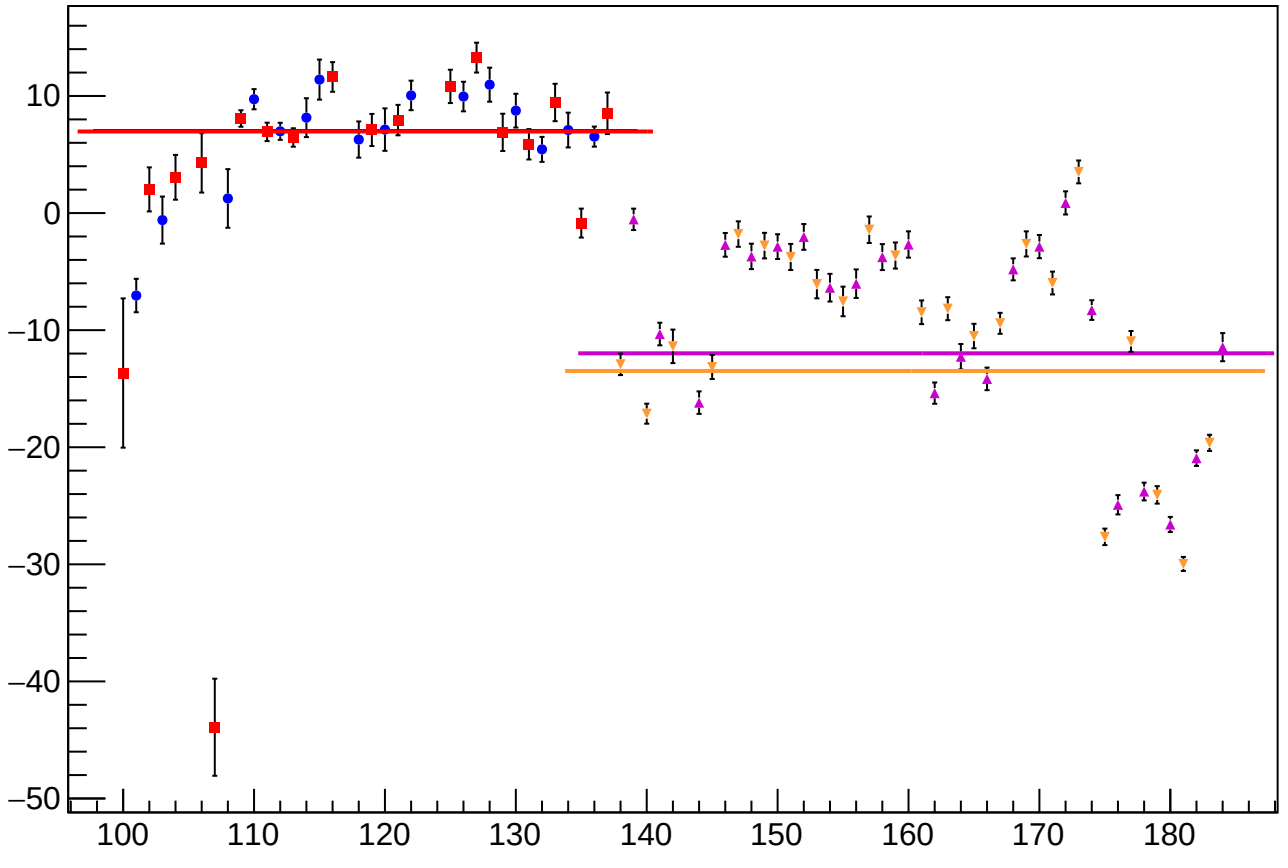
Left: -39.728+/-0.010 χ^2/NDF: 234761.8/45

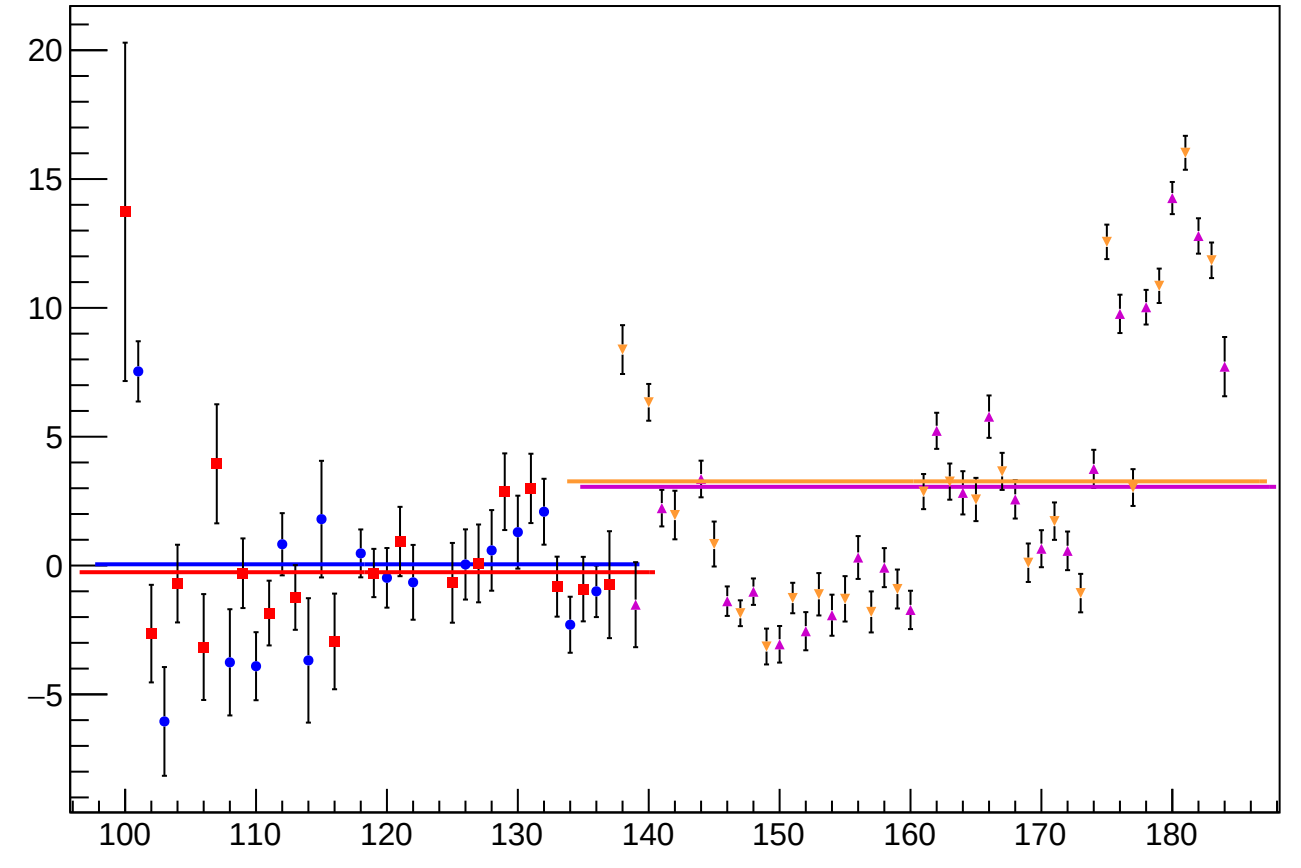
Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -39.768+/-0.012 χ^2/NDF:125562.4/38

Out: -40.181+/-0.012 χ^2/NDF:168012.9/40

All: -39.970+/-0.009 χ^2/NDF: 294146.5/79


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
10
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
180
Right In: 7.011+/-0.309 χ²/NDF: 156.3/15
Left Out: -13.486+/-0.194 χ²/NDF:2556.1/22
Right Out: 6.967+/-0.298 χ²/NDF: 266.0/17
Left In: -11.978+/-0.195 χ²/NDF:2176.6/22
Left: -12.737+/-0.138 χ²/NDF: 4762.7/45
Right: 6.988+/-0.215 χ²/NDF: 422.3/33
In: -6.557+/-0.165 χ²/NDF:5026.9/38
Out: -7.389+/-0.163 χ²/NDF:6124.6/40
All: -6.979+/-0.116 χ²/NDF: 11164.4/79



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: 3.055+/-0.152 χ^2/NDF:1145.0/22

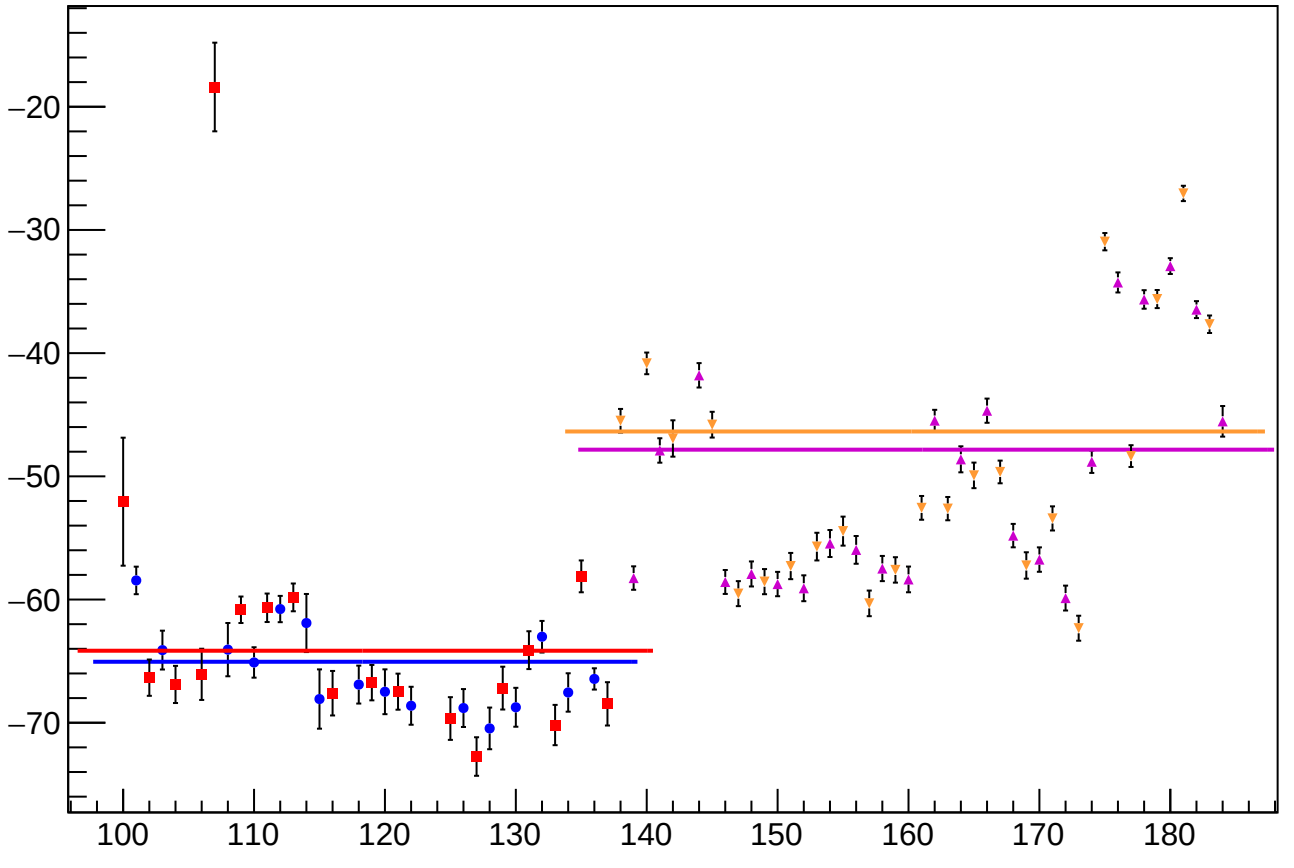
Left: 3.162+/-0.107 χ^2/NDF: 2486.6/45

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: 2.532+/-0.138 χ^2/NDF:1288.0/38

Out: 2.704+/-0.138 χ^2/NDF:1456.2/40

All: 2.619+/-0.097 χ^2/NDF: 2745.0/79



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: -47.835+/-0.194 χ^2/NDF:2557.6/22

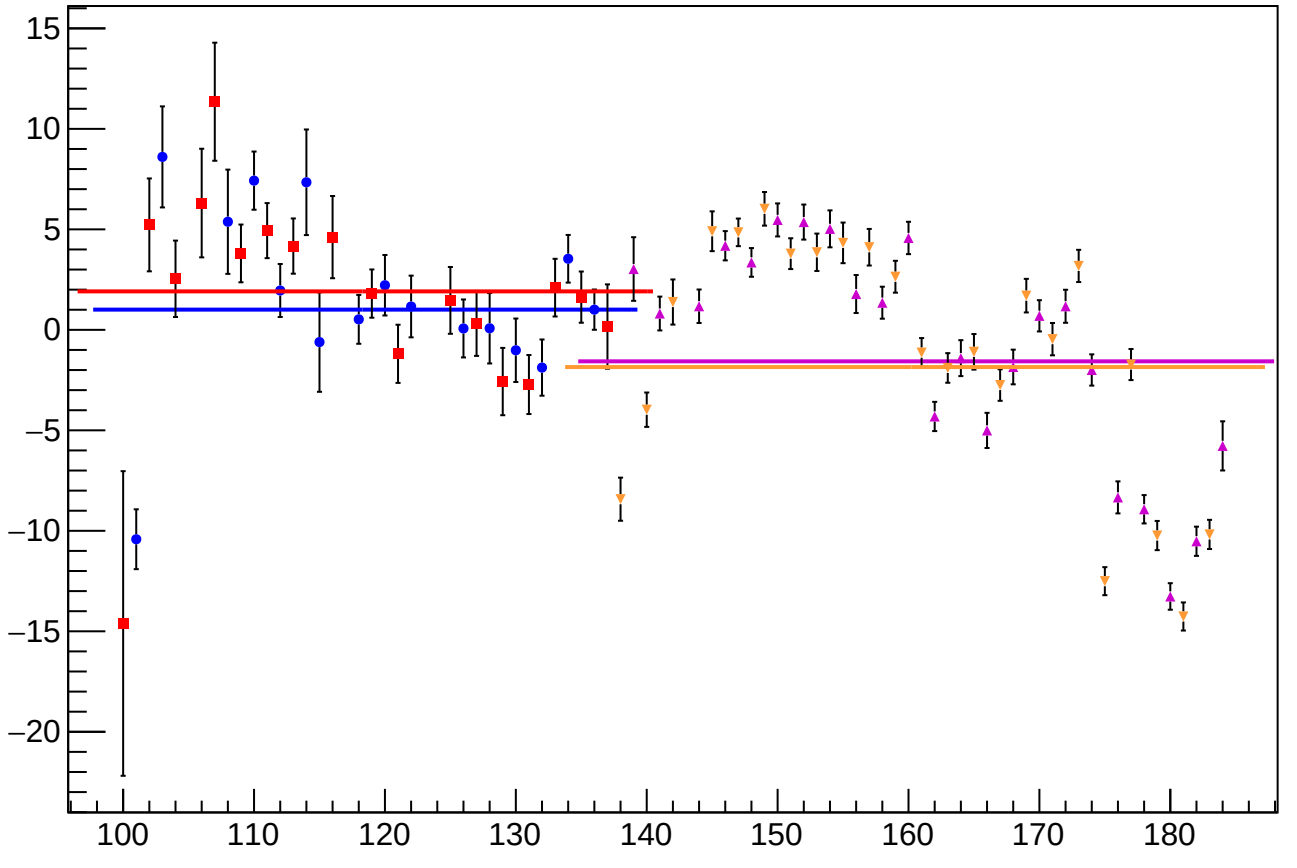
Left: -47.093+/-0.137 χ^2/NDF: 5785.6/45

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -51.807+/-0.170 χ^2/NDF:4470.0/38

Out: -50.322+/-0.170 χ^2/NDF:5397.5/40

All: -51.065+/-0.120 χ^2/NDF: 9905.5/79



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: -1.567+/-0.171 χ^2/NDF:1117.7/22

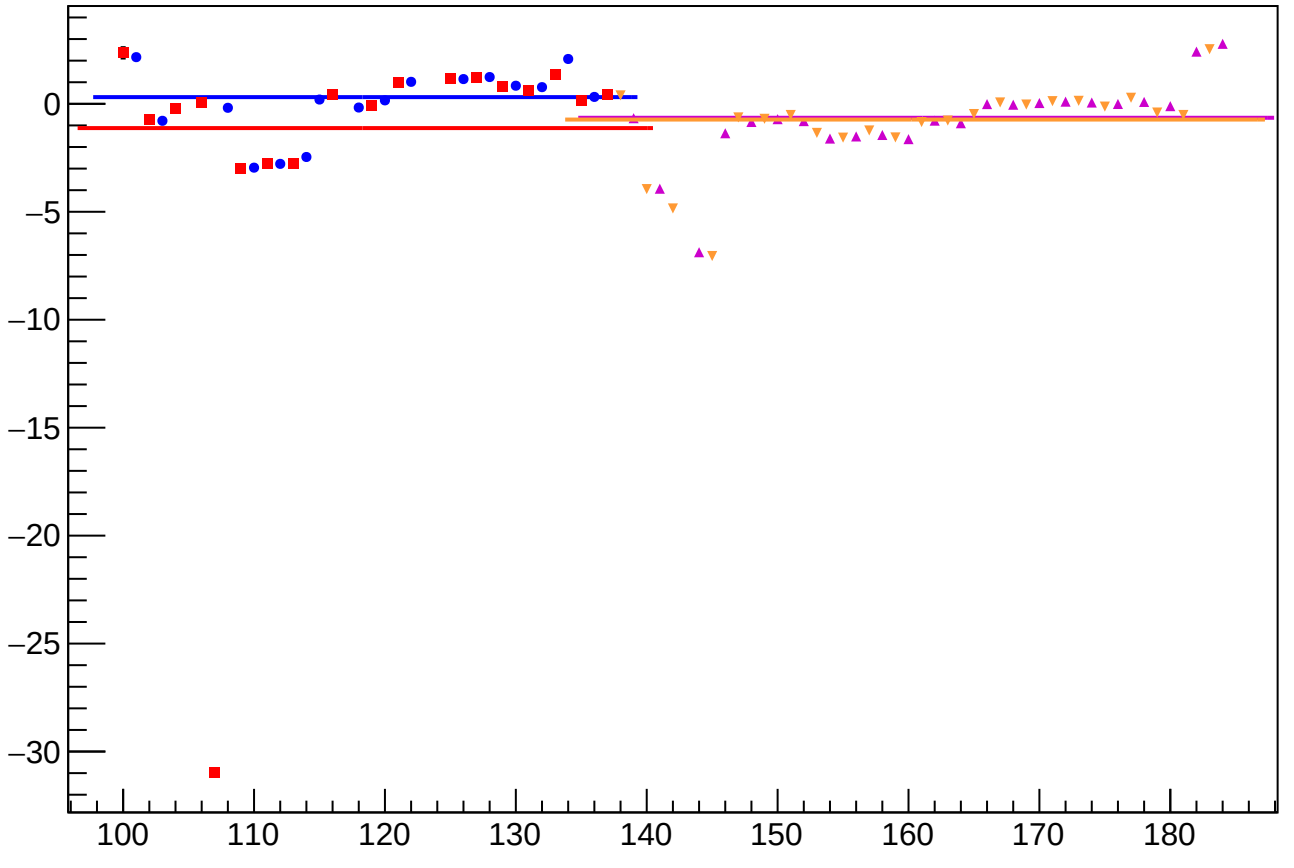
Left: -1.710+/-0.120 χ^2/NDF: 2482.6/45

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: -1.126+/-0.155 χ^2/NDF:1265.9/38

Out: -1.255+/-0.155 χ^2/NDF:1496.5/40

All: -1.191+/-0.110 χ^2/NDF: 2762.7/79



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: -0.646+/-0.008 χ^2/NDF:45569.5/22

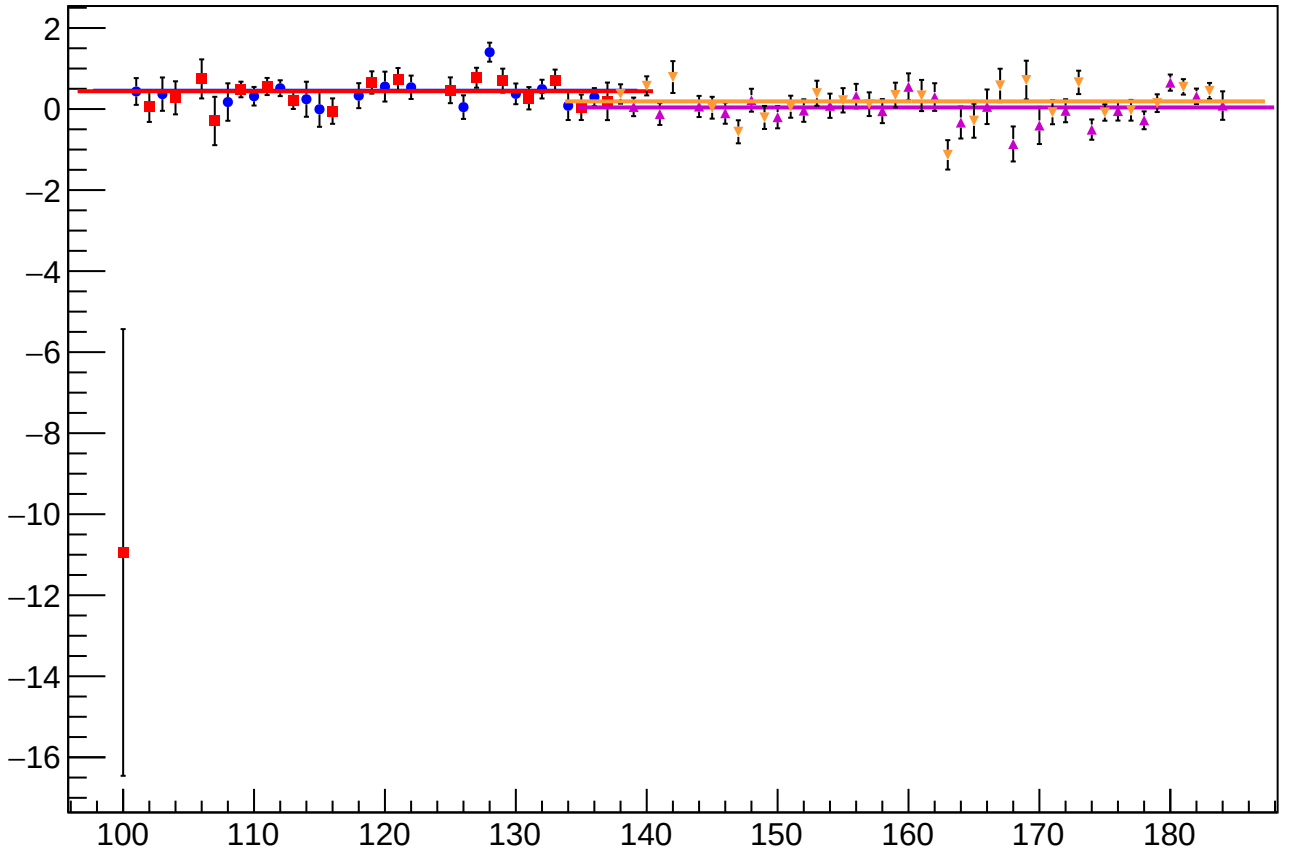
Left: -0.687+/-0.005 χ^2/NDF: 97272.7/45

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -0.537+/-0.007 χ^2/NDF:52245.4/38

Out: -0.770+/-0.007 χ^2/NDF:98274.9/40

All: -0.653+/-0.005 χ^2/NDF: 151051.1/79



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: 0.039+/-0.058 χ^2/NDF:30.5/22

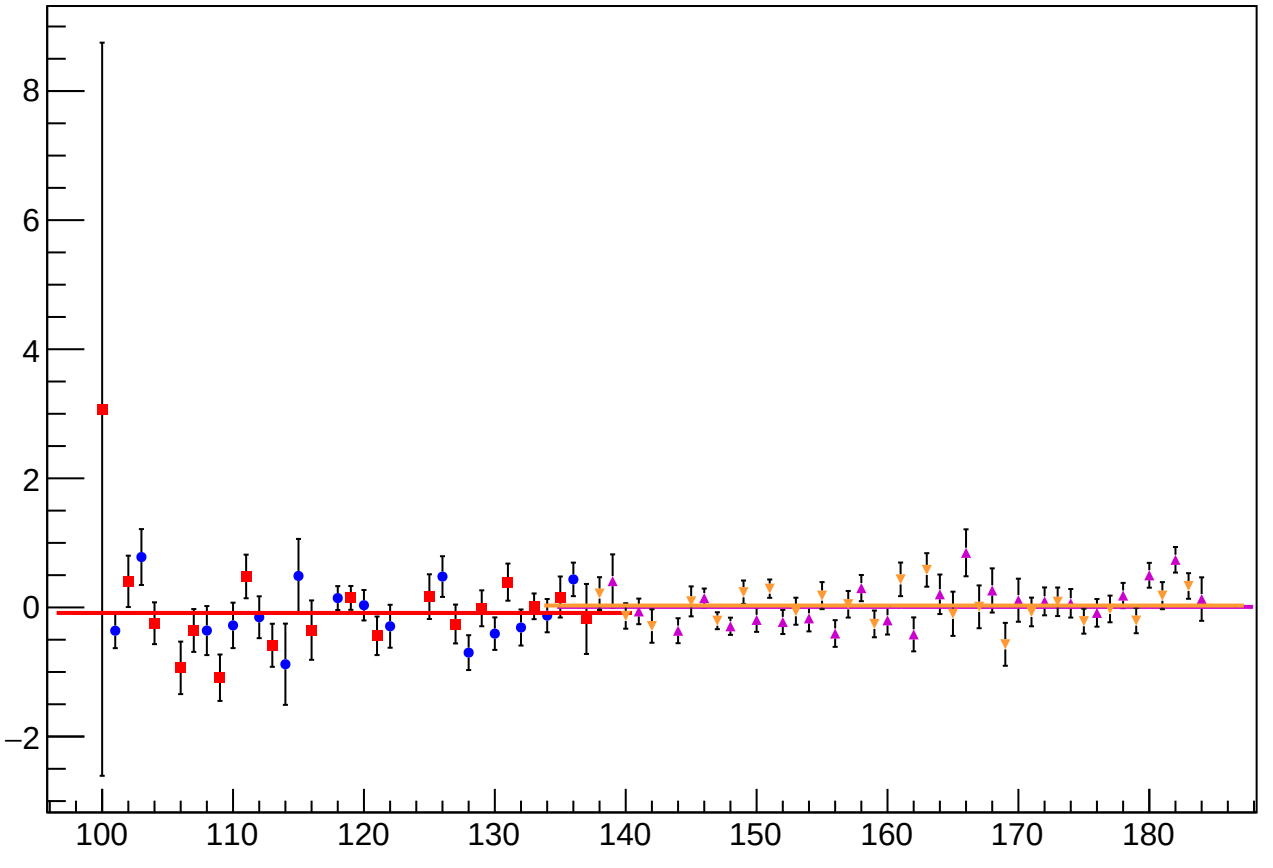
Left: 0.115+/-0.041 χ^2/NDF: 77.8/45

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.203+/-0.045 χ^2/NDF:73.5/38

Out: 0.291+/-0.044 χ^2/NDF:70.1/40

All: 0.247+/-0.031 χ^2/NDF: 145.5/79



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: 0.008+/-0.044 χ^2/NDF:51.4/22

Left: 0.019+/-0.031 χ^2/NDF: 81.3/45

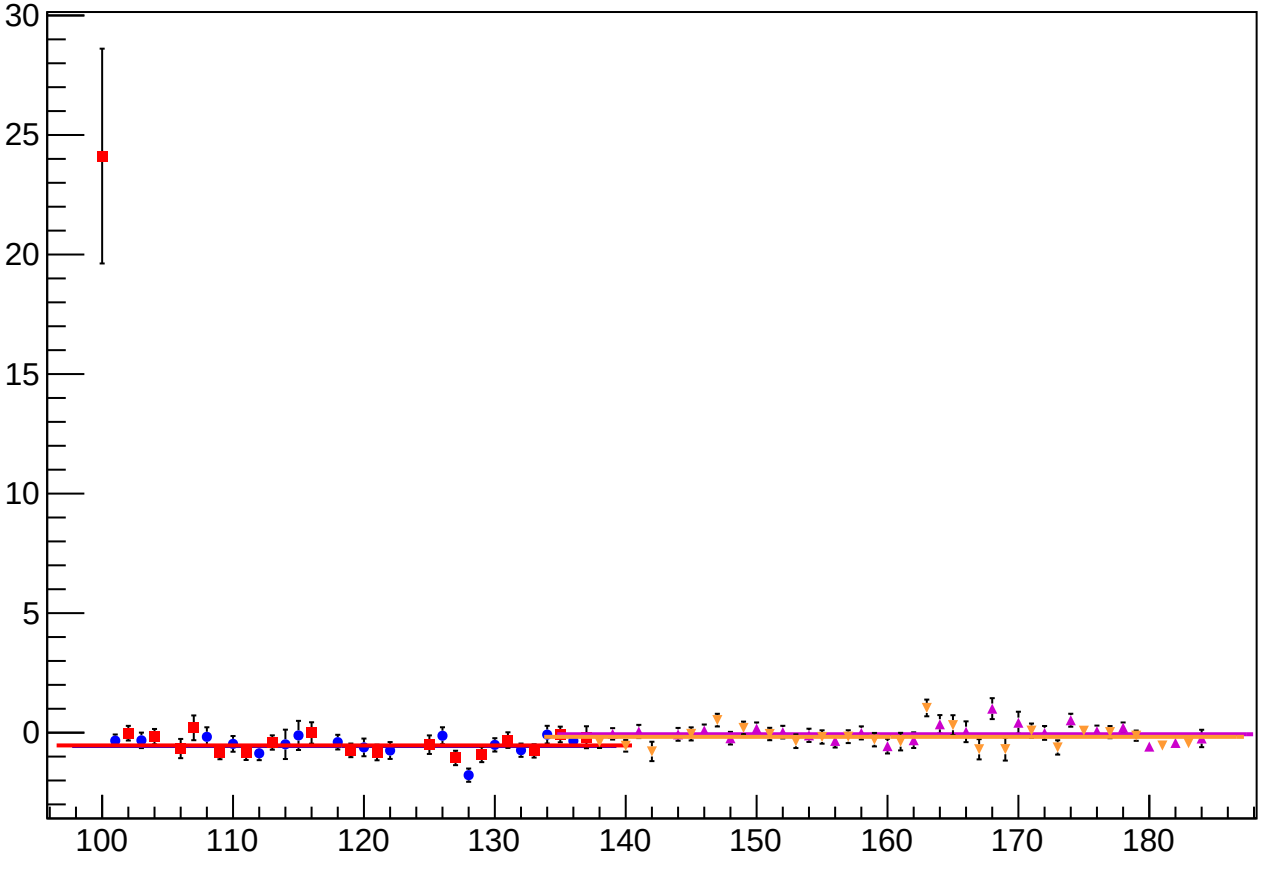
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.017+/-0.038 χ^2/NDF:78.0/38

Out: -0.000+/-0.037 χ^2/NDF:59.5/40

All: -0.009+/-0.027 χ^2/NDF: 137.6/79

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.175+/-0.057 χ^2/NDF:41.9/22

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.120+/-0.040 χ^2/NDF: 75.1/45

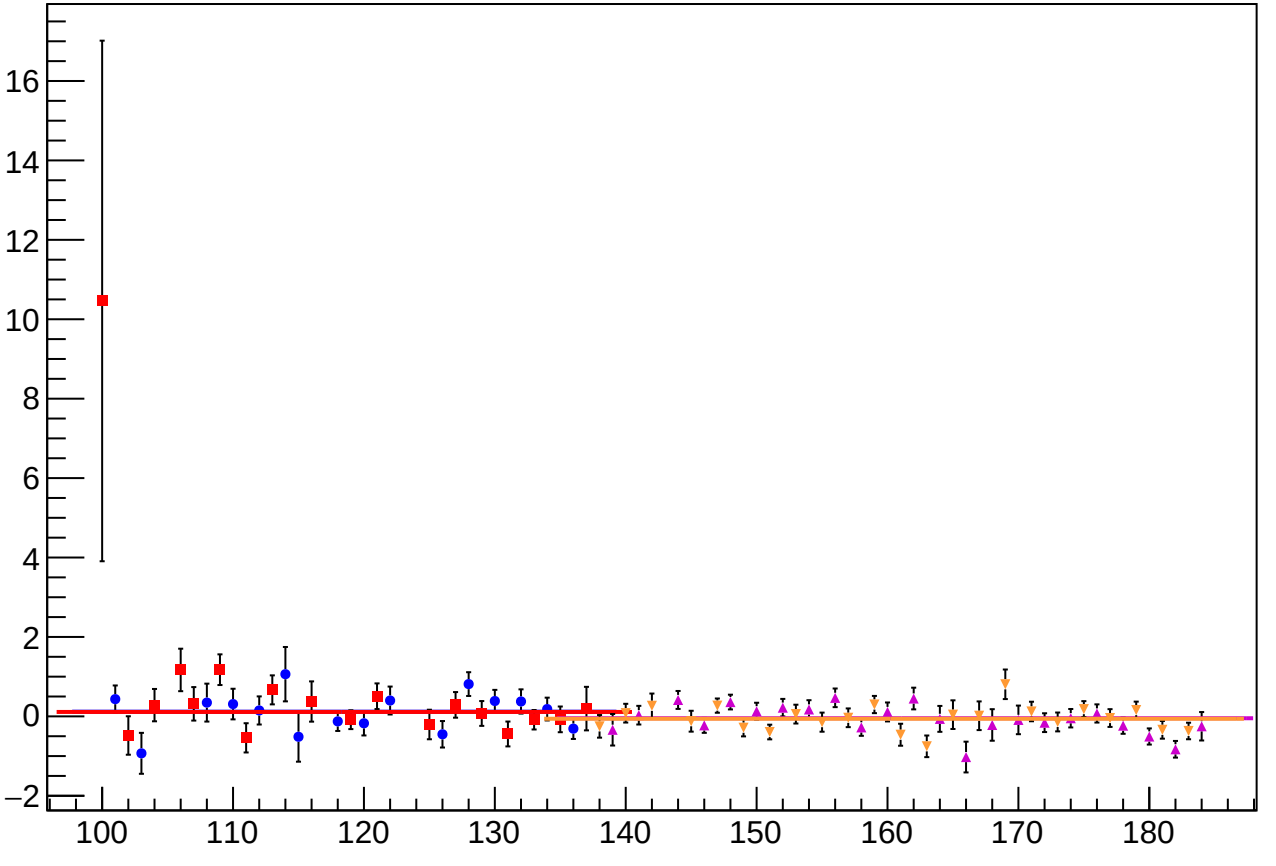
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.232+/-0.046 χ^2/NDF:85.1/38

Out: -0.293+/-0.046 χ^2/NDF:104.3/40

All: -0.263+/-0.033 χ^2/NDF: 190.3/79

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: -0.047+/-0.050 χ^2/NDF:50.5/22

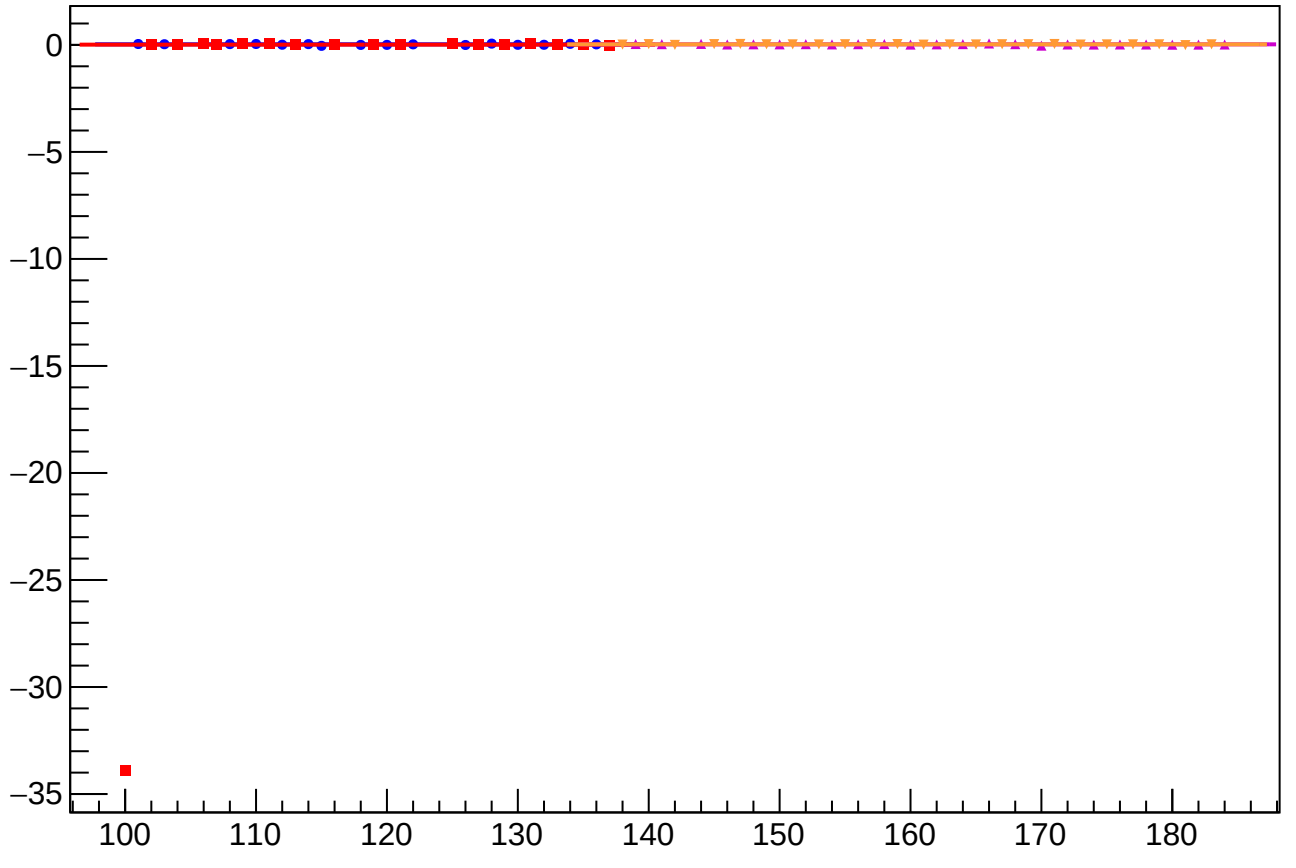
Left: -0.054+/-0.035 χ^2/NDF: 84.4/45

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: -0.004+/-0.043 χ^2/NDF:76.9/38

Out: -0.016+/-0.043 χ^2/NDF:65.9/40

All: -0.010+/-0.030 χ^2/NDF: 142.9/79



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:39.5/22

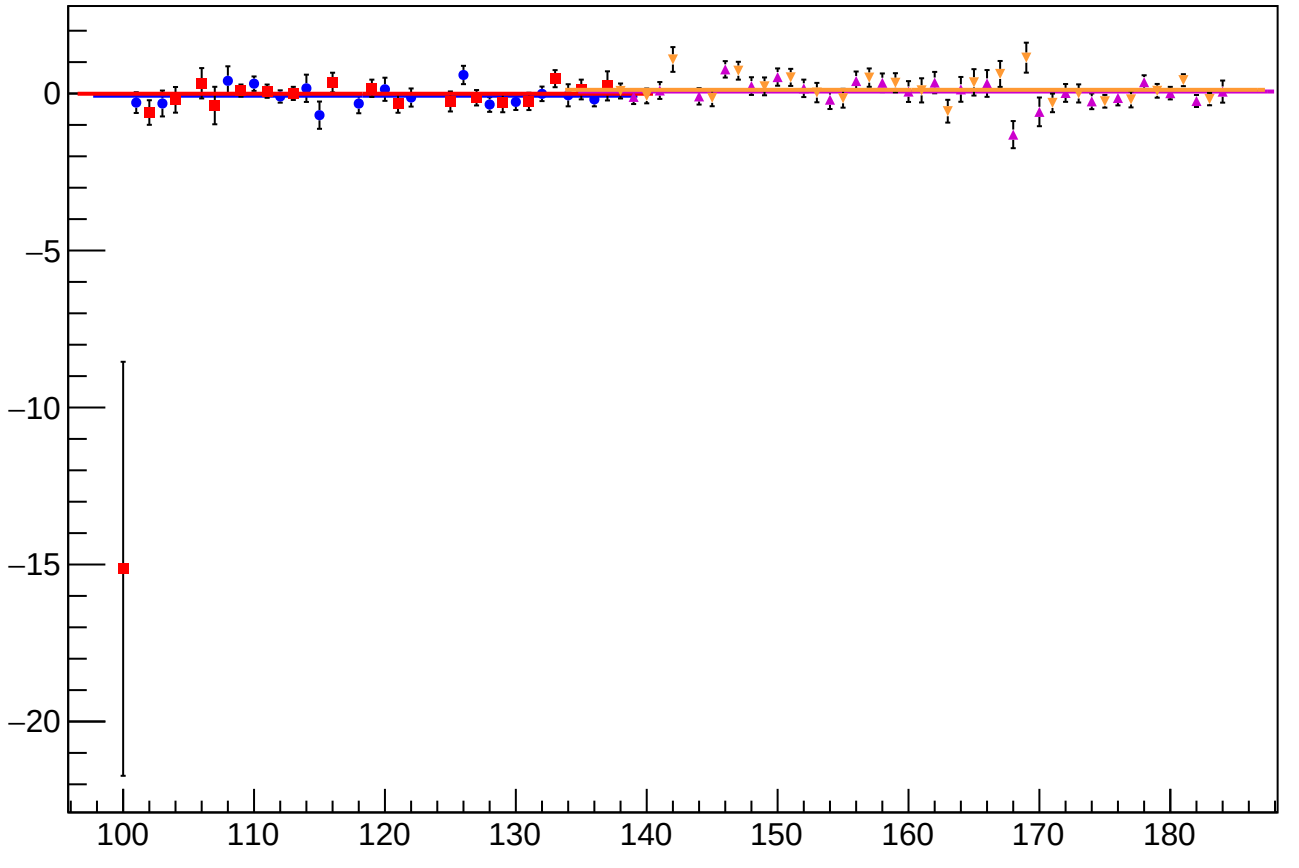
Left: 0.026+/-0.002 χ^2/NDF: 68.1/45

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

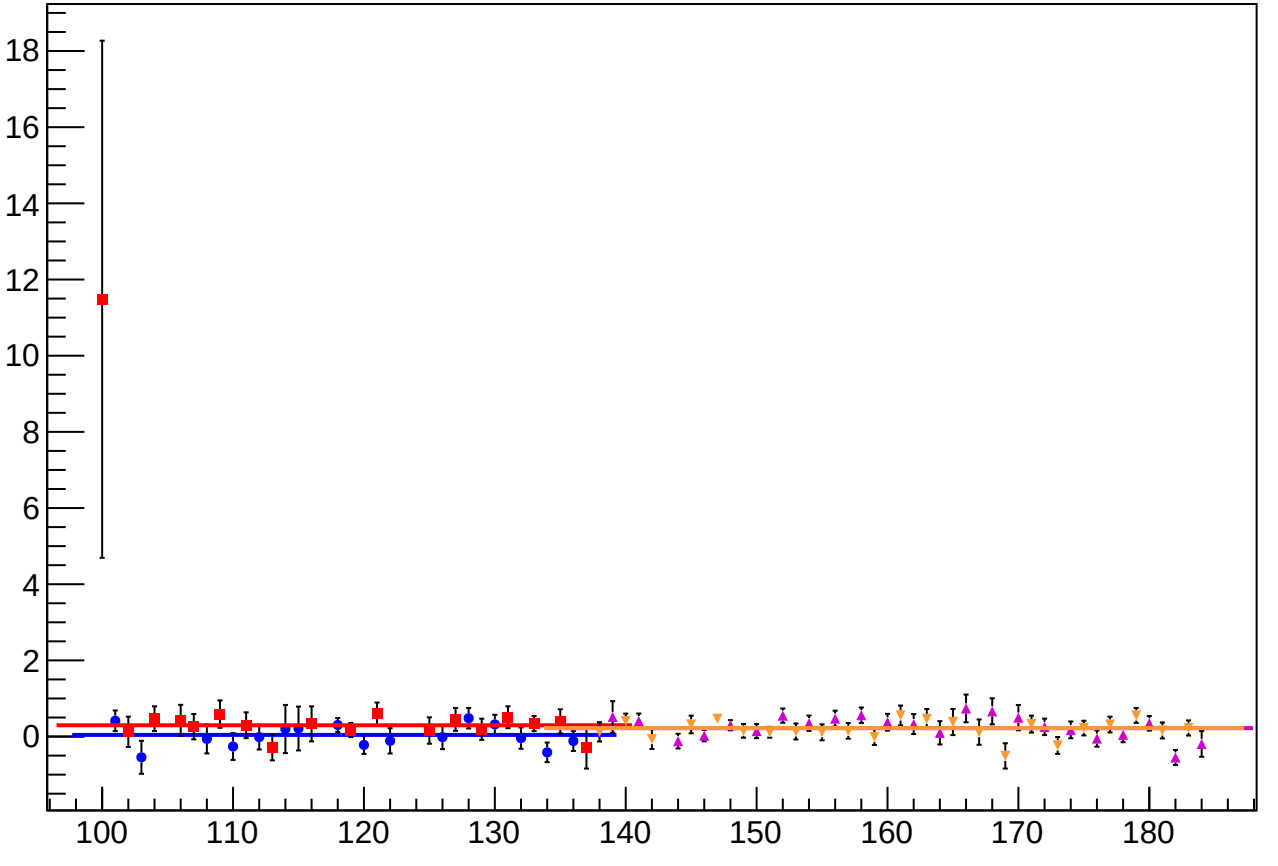
In: 0.026+/-0.002 χ^2/NDF:54.2/38

Out: 0.023+/-0.002 χ^2/NDF:22297.5/40

All: 0.025+/-0.001 χ^2/NDF: 22352.8/79


reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
100
110
120
130
140
150
160
170
180
Right In: -0.070+/-0.071 χ²/NDF: 15.5/15
Left Out: 0.117+/-0.057 χ²/NDF:39.2/22
Right Out: -0.007+/-0.070 χ²/NDF: 18.1/17
Left In: 0.063+/-0.058 χ²/NDF:34.2/22
Left: 0.091+/-0.041 χ²/NDF: 73.9/45
Right: -0.038+/-0.050 χ²/NDF: 34.1/33
In: 0.011+/-0.045 χ²/NDF:51.9/38
Out: 0.067+/-0.044 χ²/NDF:59.3/40
All: 0.039+/-0.031 χ²/NDF: 112.0/79

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.223+/-0.044 χ^2/NDF:23.8/22

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

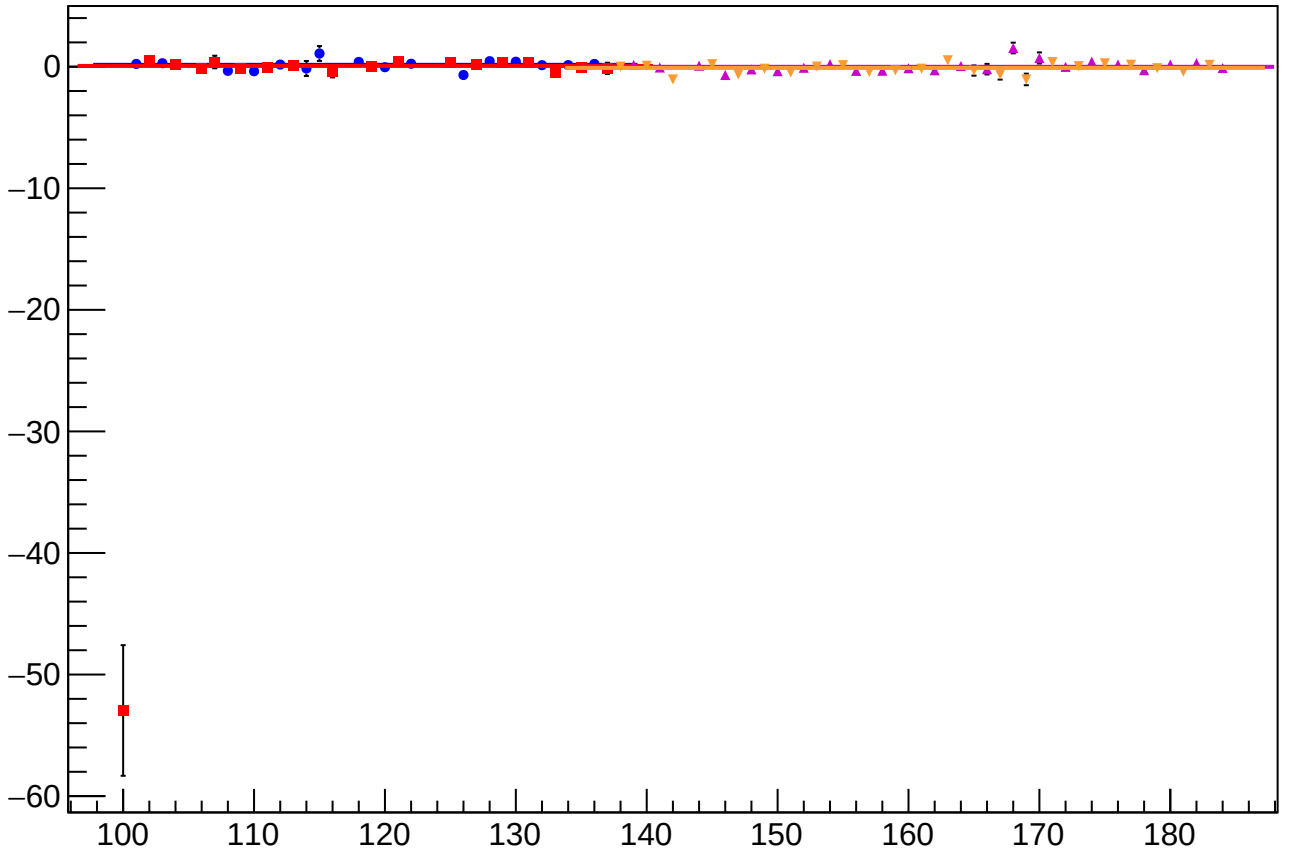
Left: 0.222+/-0.031 χ^2/NDF: 63.2/45

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.173+/-0.038 χ^2/NDF:59.4/38

Out: 0.242+/-0.038 χ^2/NDF:35.6/40

All: 0.208+/-0.027 χ^2/NDF: 96.6/79



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: -0.009+/-0.057 χ^2/NDF:38.0/22

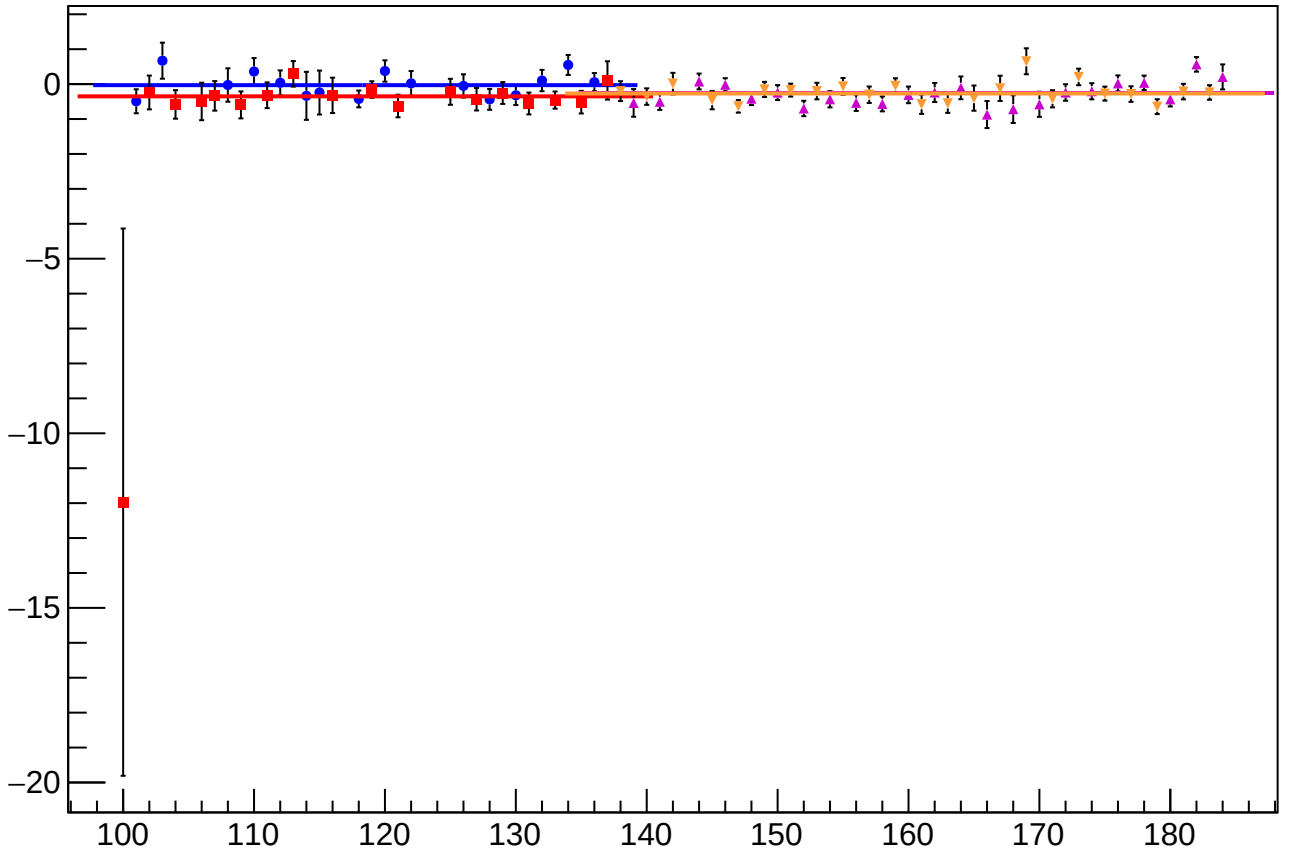
Left: -0.055+/-0.040 χ^2/NDF: 76.3/45

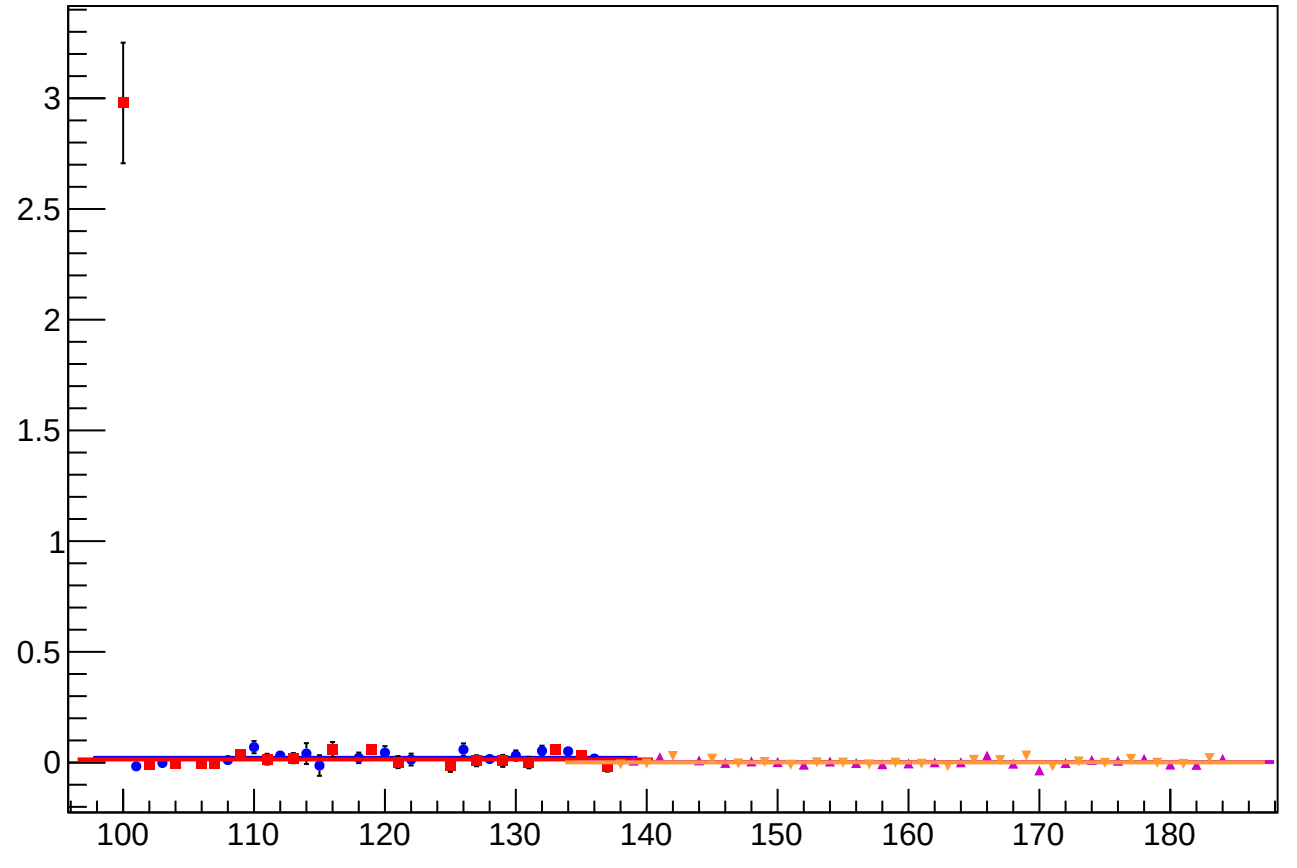
Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.046+/-0.046 χ^2/NDF:56.3/38

Out: -0.046+/-0.046 χ^2/NDF:149.2/40

All: 0.000+/-0.033 χ^2/NDF: 207.5/79


reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
100
110
120
130
140
150
160
170
180
Right In: -0.030+/-0.084 χ²/NDF: 16.8/15
Left Out: -0.269+/-0.050 χ²/NDF:24.5/22
Right Out: -0.350+/-0.085 χ²/NDF: 9.4/17
Left In: -0.254+/-0.050 χ²/NDF:40.6/22
Left: -0.261+/-0.035 χ²/NDF: 65.2/45
Right: -0.188+/-0.060 χ²/NDF: 33.4/33
In: -0.195+/-0.043 χ²/NDF:62.6/38
Out: -0.290+/-0.043 χ²/NDF:34.7/40
All: -0.242+/-0.030 χ²/NDF: 99.7/79



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:24.6/22

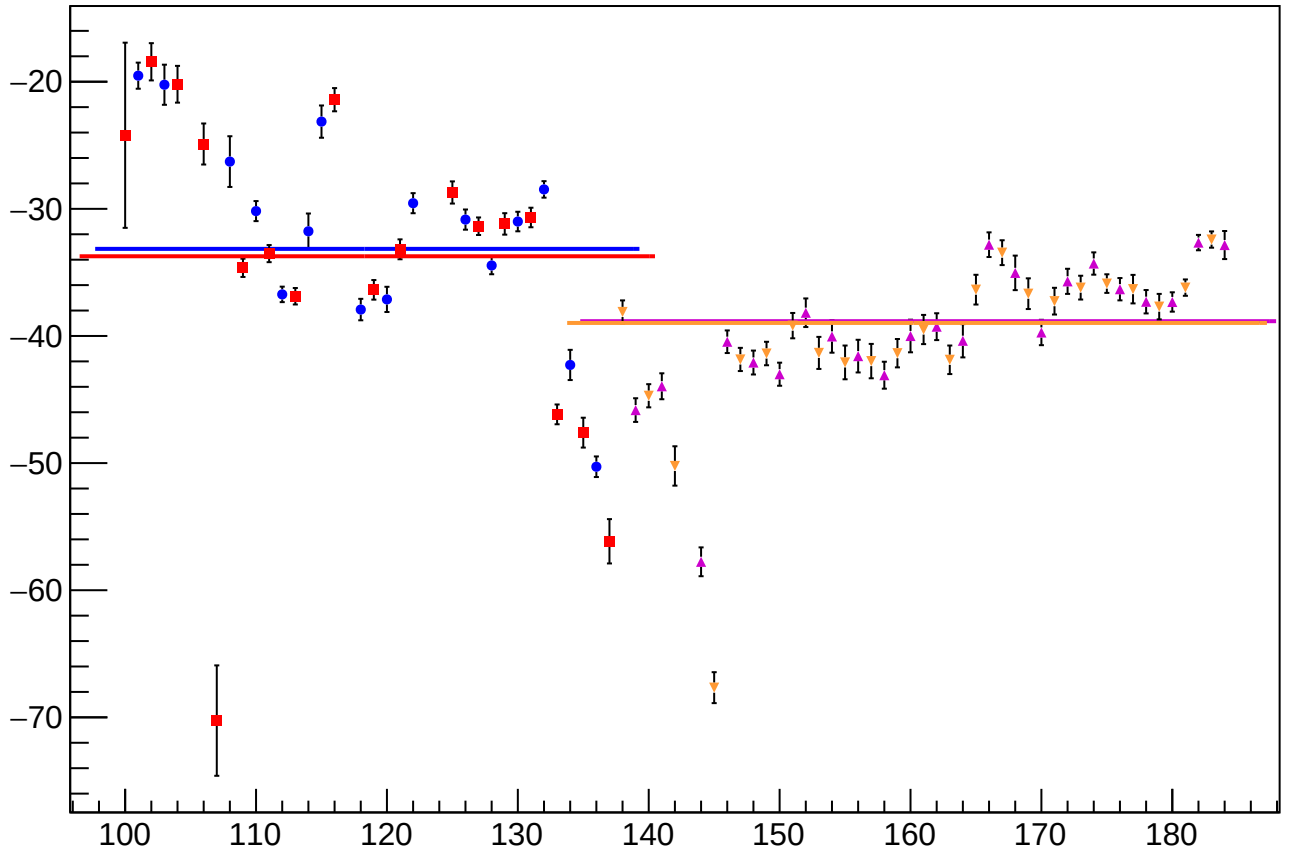
Left: 0.002+/-0.002 χ^2/NDF: 51.2/45

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.006+/-0.002 χ^2/NDF:59.9/38

Out: 0.003+/-0.002 χ^2/NDF:173.1/40

All: 0.004+/-0.001 χ^2/NDF: 233.7/79



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: -38.837+/-0.203 χ^2/NDF:653.4/22

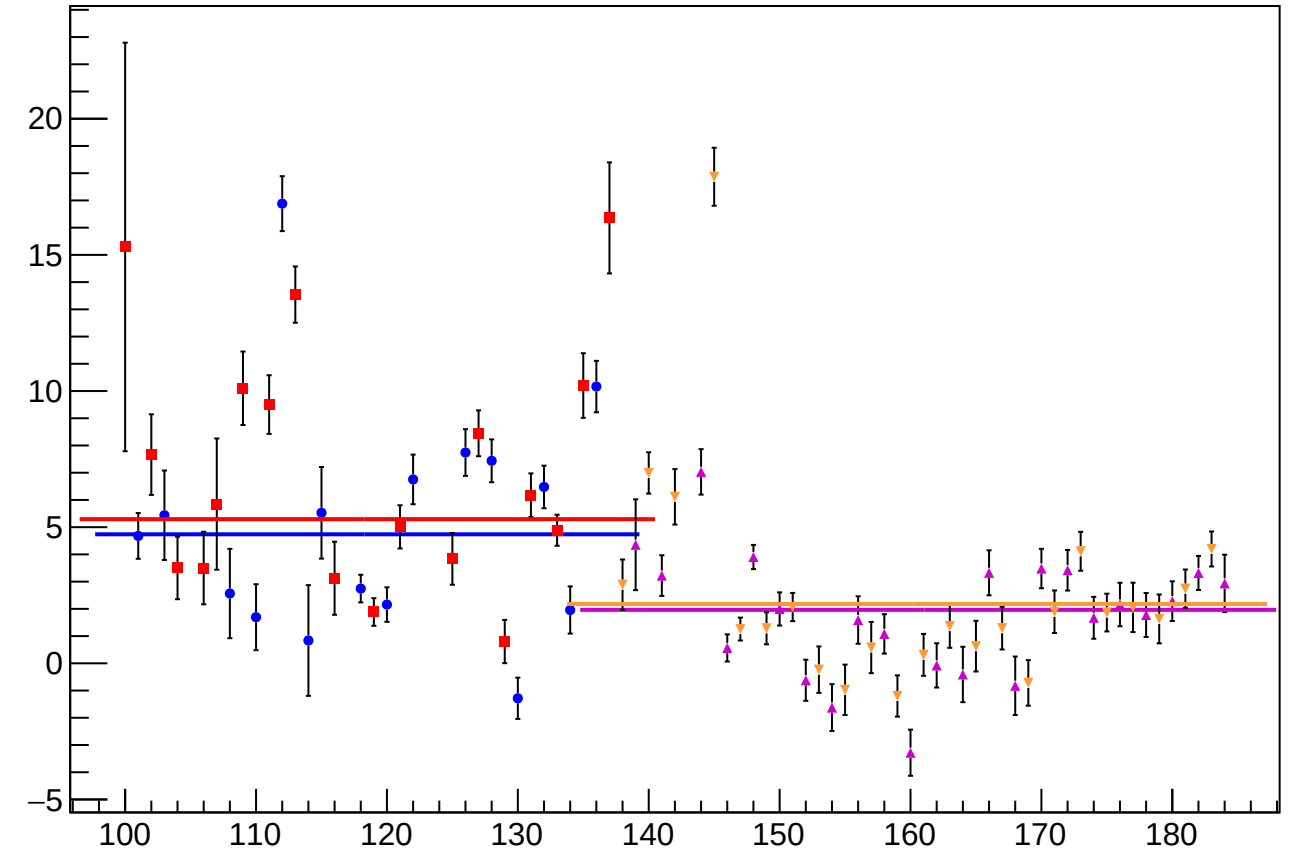
Left: -38.906+/-0.144 χ^2/NDF: 1544.9/45

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.189+/-0.149 χ^2/NDF:2031.5/38

Out: -36.487+/-0.148 χ^2/NDF:2352.9/40

All: -36.339+/-0.105 χ^2/NDF: 4386.4/79



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: 1.964+/-0.155 χ^2/NDF:173.2/22

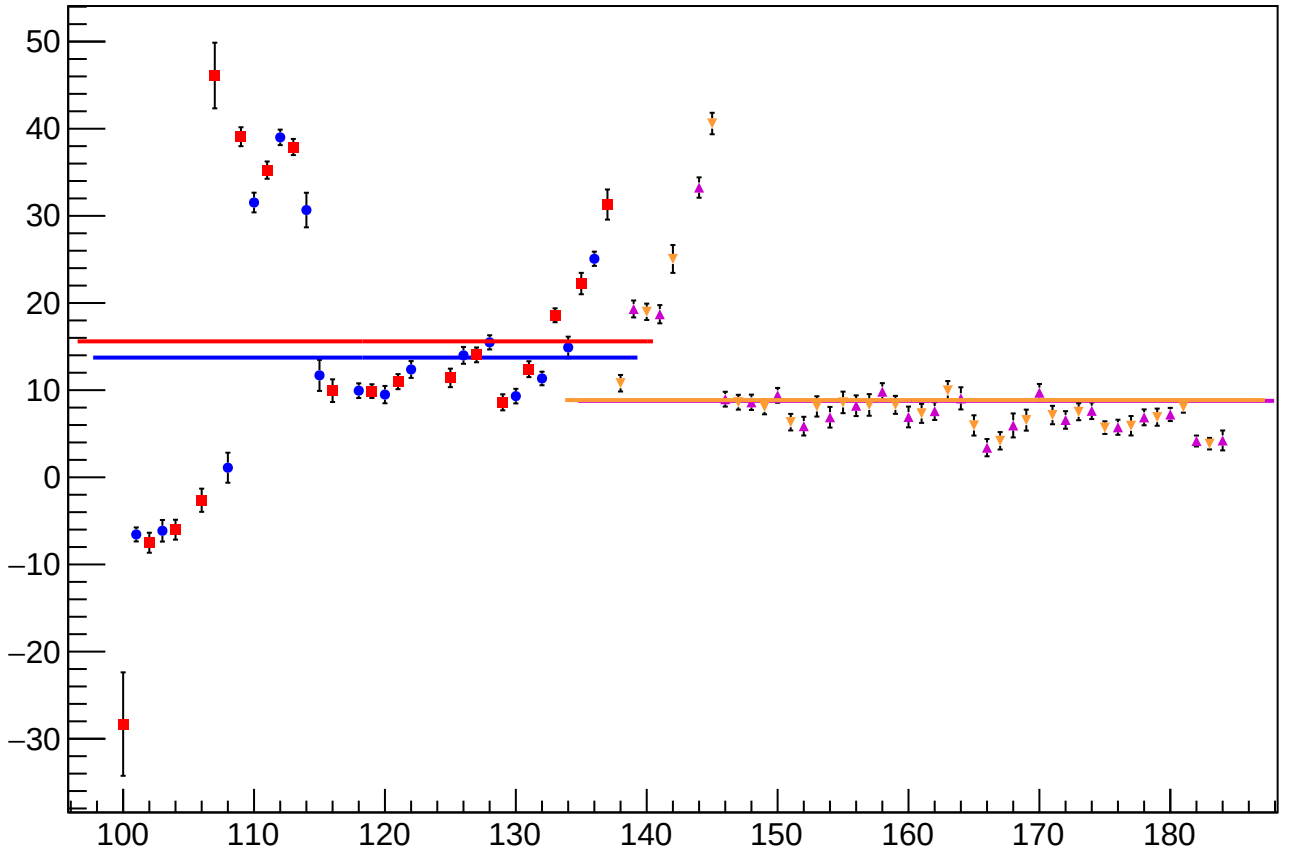
Left: 2.072+/-0.109 χ^2/NDF: 538.5/45

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 2.887+/-0.126 χ^2/NDF:609.7/38

Out: 3.177+/-0.126 χ^2/NDF:741.7/40

All: 3.032+/-0.089 χ^2/NDF: 1354.1/79



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: 8.773+/-0.201 χ^2/NDF:795.1/22

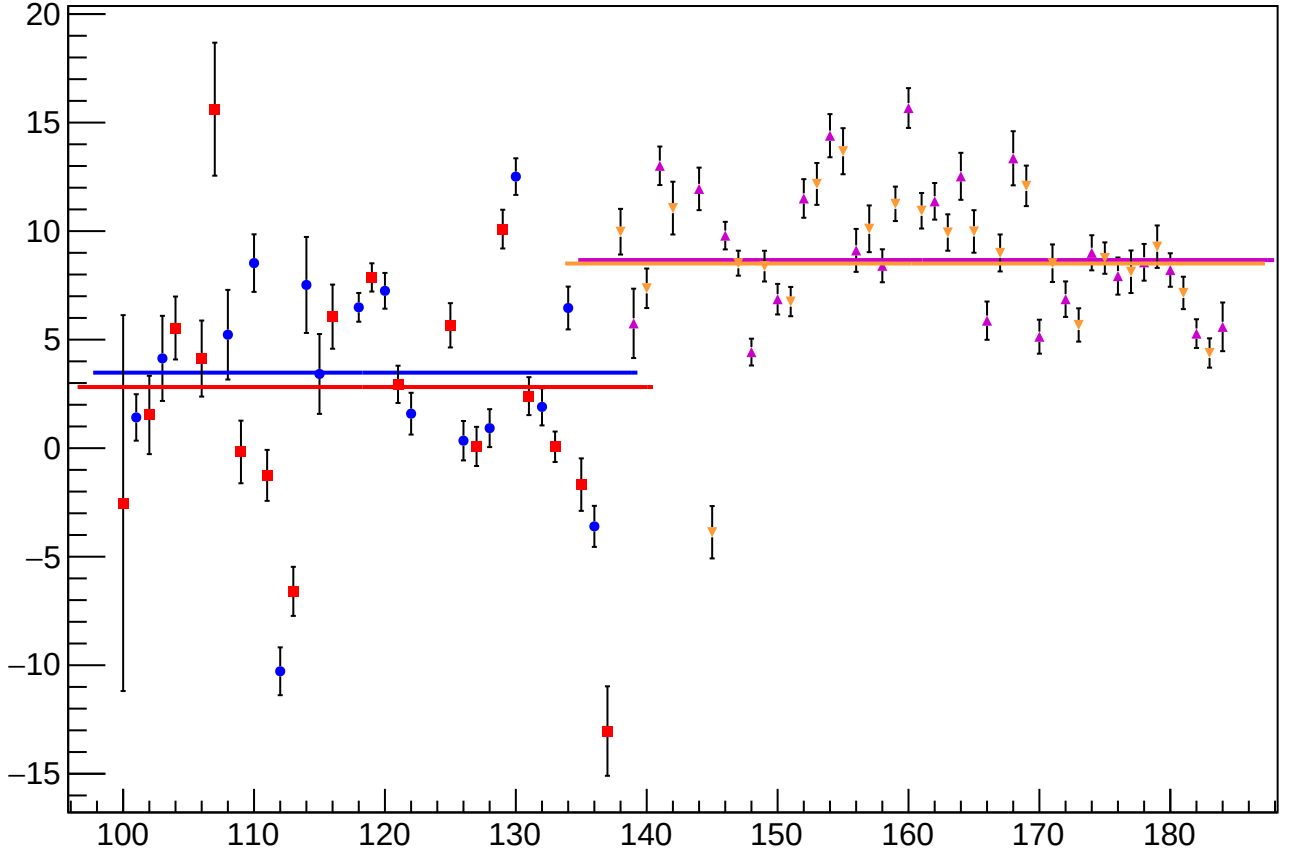
Left: 8.817+/-0.143 χ^2/NDF: 1818.6/45

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 10.759+/-0.156 χ^2/NDF:3387.9/38

Out: 11.527+/-0.157 χ^2/NDF:4288.7/40

All: 11.140+/-0.111 χ^2/NDF: 7688.5/79



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: 8.666+/-0.176 χ^2/NDF:304.8/22

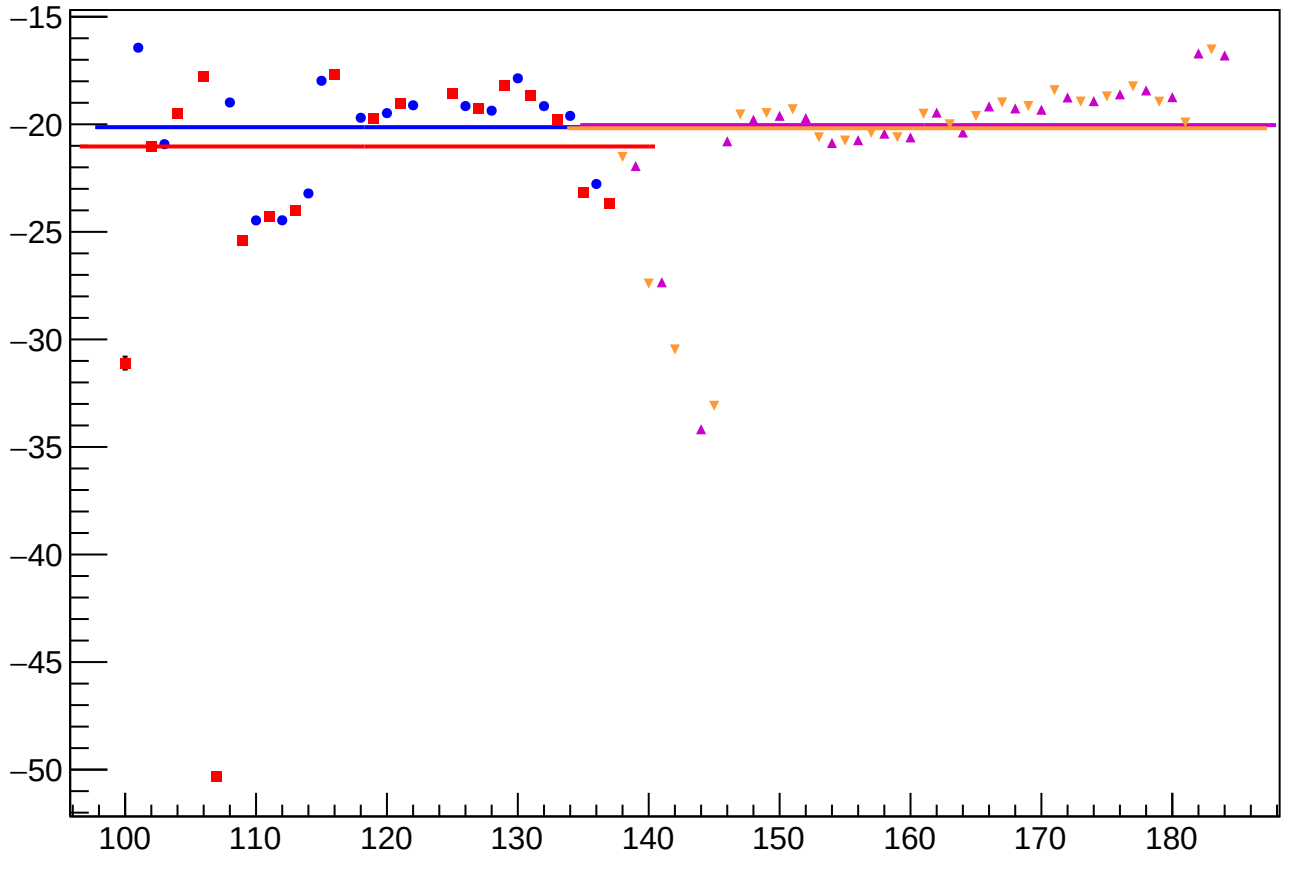
Left: 8.587+/-0.124 χ^2/NDF: 561.7/45

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 6.985+/-0.144 χ^2/NDF:1015.0/38

Out: 6.705+/-0.145 χ^2/NDF:936.2/40

All: 6.846+/-0.102 χ^2/NDF: 1953.1/79


reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−15
−20
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−35
−40
−45
−50
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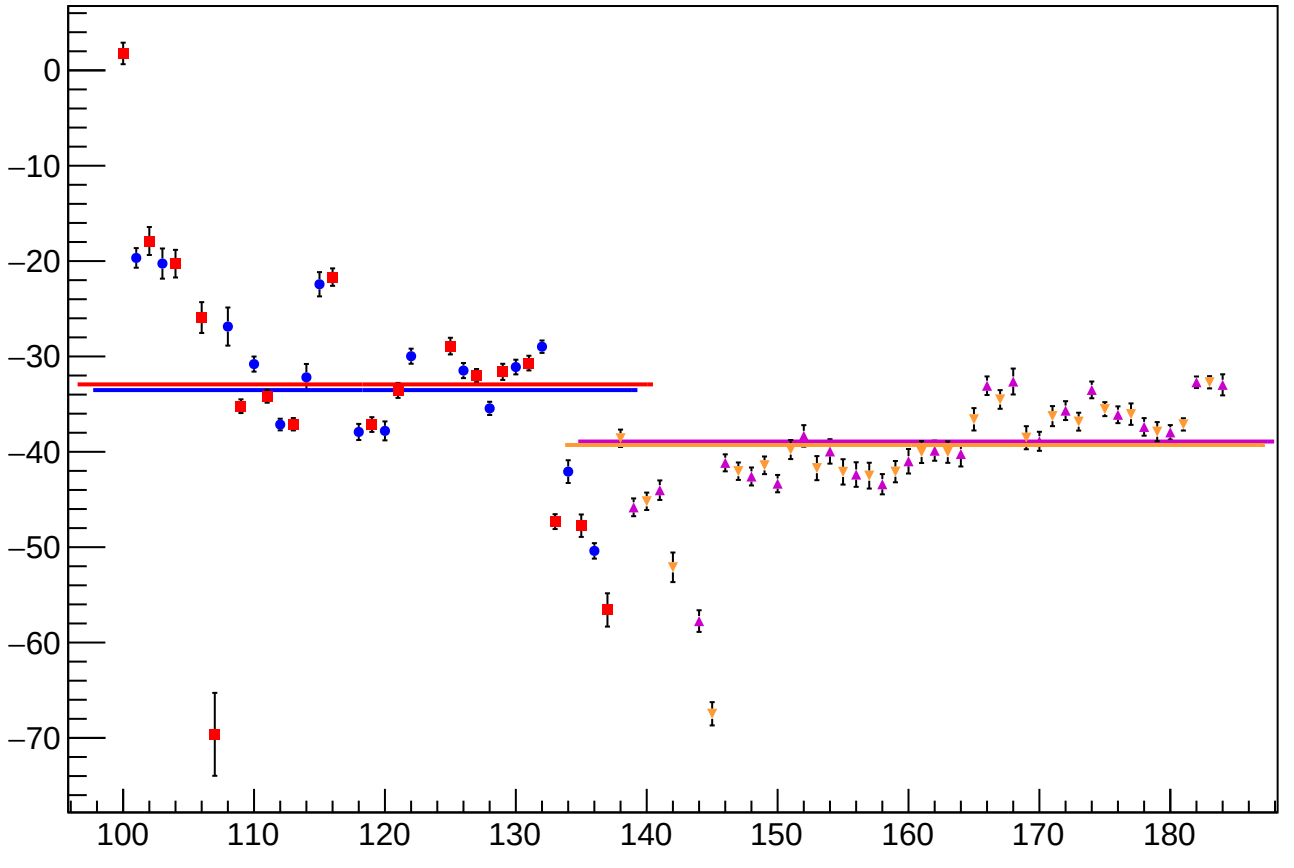
130
140
150
160
170
180
Right In: -20.133+/-0.016 χ²/NDF: 19831.2/15
Left Out: -20.184+/-0.008 χ²/NDF:154389.9/22
Right Out: -21.031+/-0.016 χ²/NDF: 57523.6/17
Left In: -20.037+/-0.008 χ²/NDF:132291.6/22
Left: -20.109+/-0.006 χ²/NDF: 286850.5/45
Right: -20.570+/-0.011 χ²/NDF: 78882.9/33
In: -20.056+/-0.007 χ²/NDF:152151.4/38
Out: -20.346+/-0.007 χ²/NDF:214054.1/40
All: -20.199+/-0.005 χ²/NDF: 367030.0/79



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -39.283+/-0.205 χ^2/NDF:876.9/22

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

Left: -39.102+/-0.144 χ^2/NDF: 1562.9/45

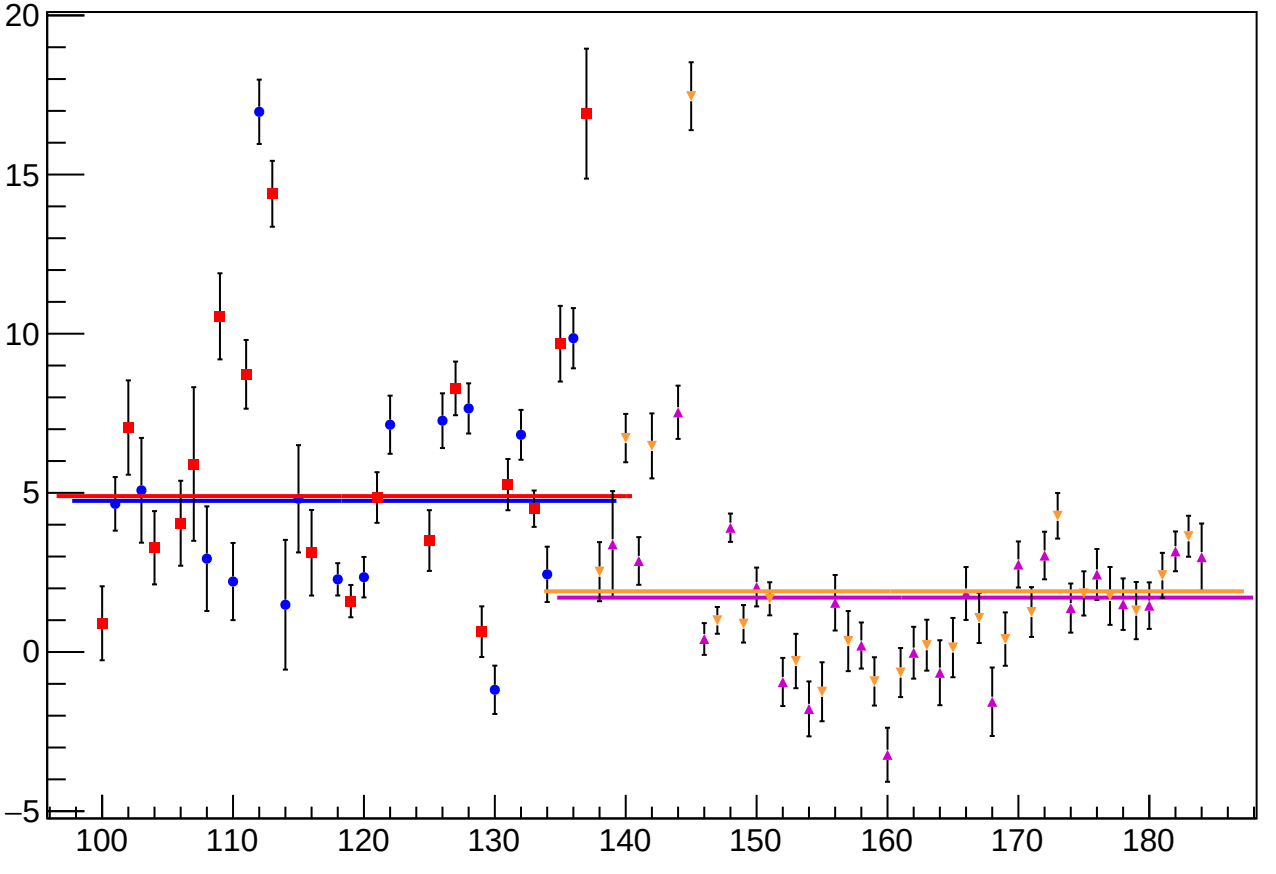
Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -36.412+/-0.149 χ^2/NDF:2019.0/38

Out: -36.215+/-0.147 χ^2/NDF:3513.0/40

All: -36.312+/-0.105 χ^2/NDF: 5532.8/79

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.908+/-0.154 χ^2/NDF:359.3/22

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

Left: 1.809+/-0.109 χ^2/NDF: 542.7/45

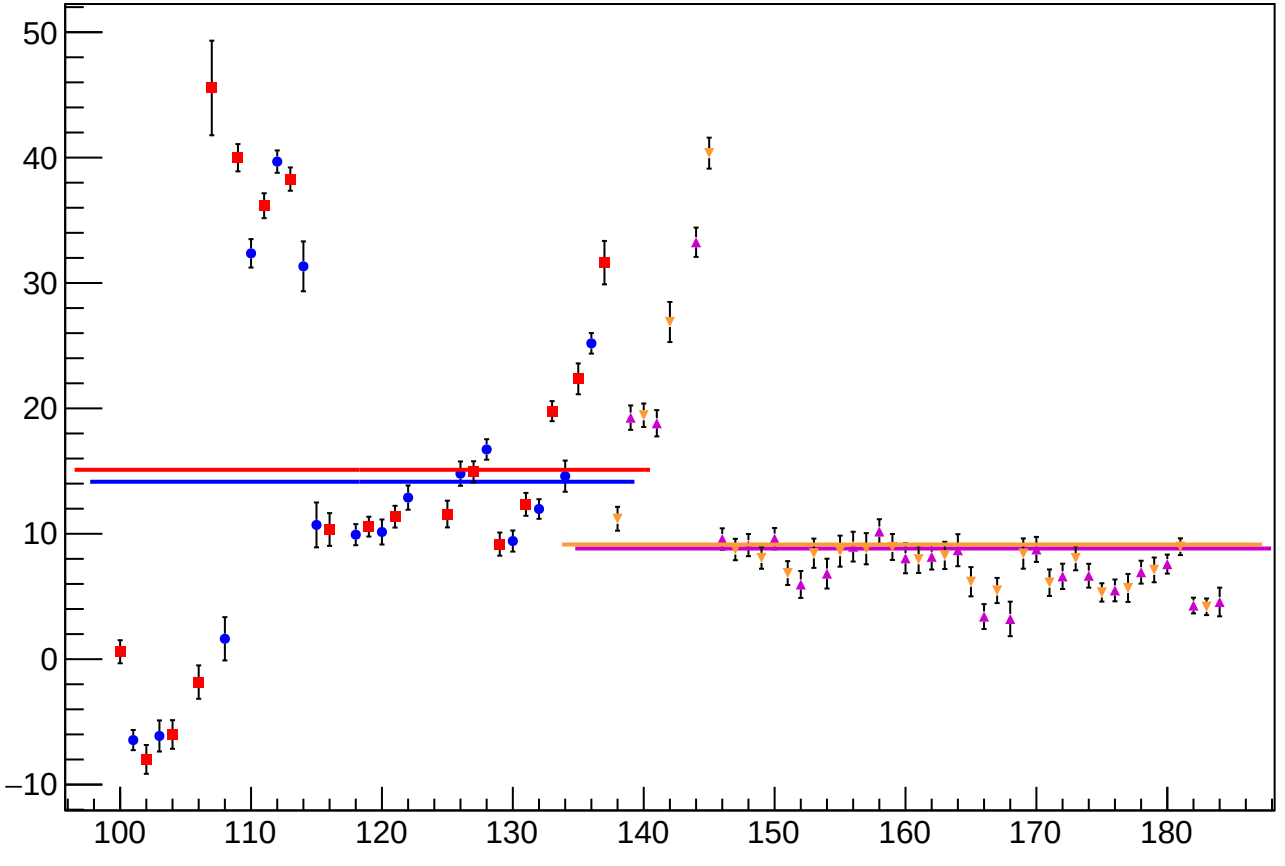
Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.719+/-0.127 χ^2/NDF:636.1/38

Out: 2.889+/-0.126 χ^2/NDF:756.6/40

All: 2.804+/-0.089 χ^2/NDF: 1393.6/79

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 9.145+/-0.203 χ^2/NDF:1024.1/22

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

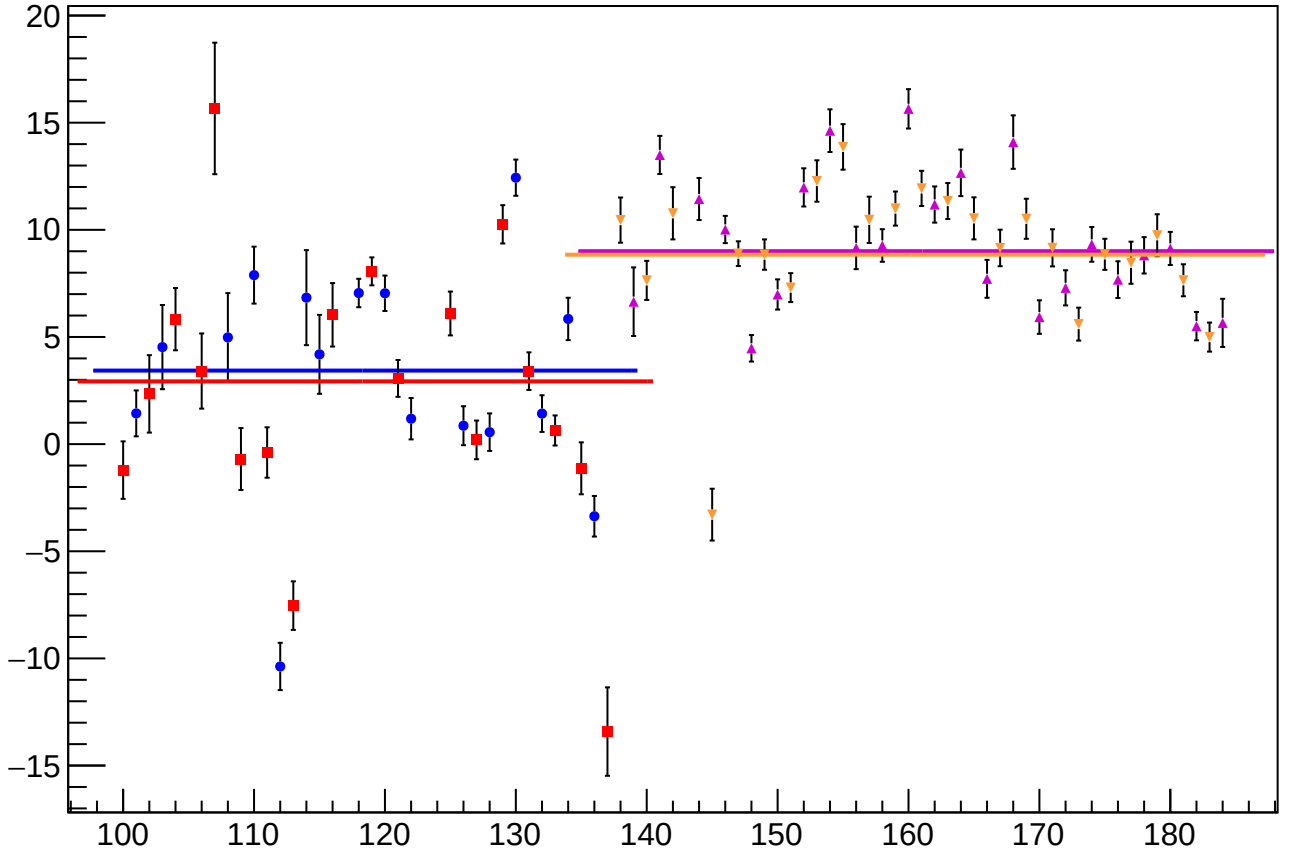
Left: 8.985+/-0.143 χ^2/NDF: 1826.7/45

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 10.955+/-0.156 χ^2/NDF:3481.9/38

Out: 11.603+/-0.155 χ^2/NDF:4482.5/40

All: 11.281+/-0.110 χ^2/NDF: 7973.1/79



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: 9.004+/-0.176 χ^2/NDF:289.6/22

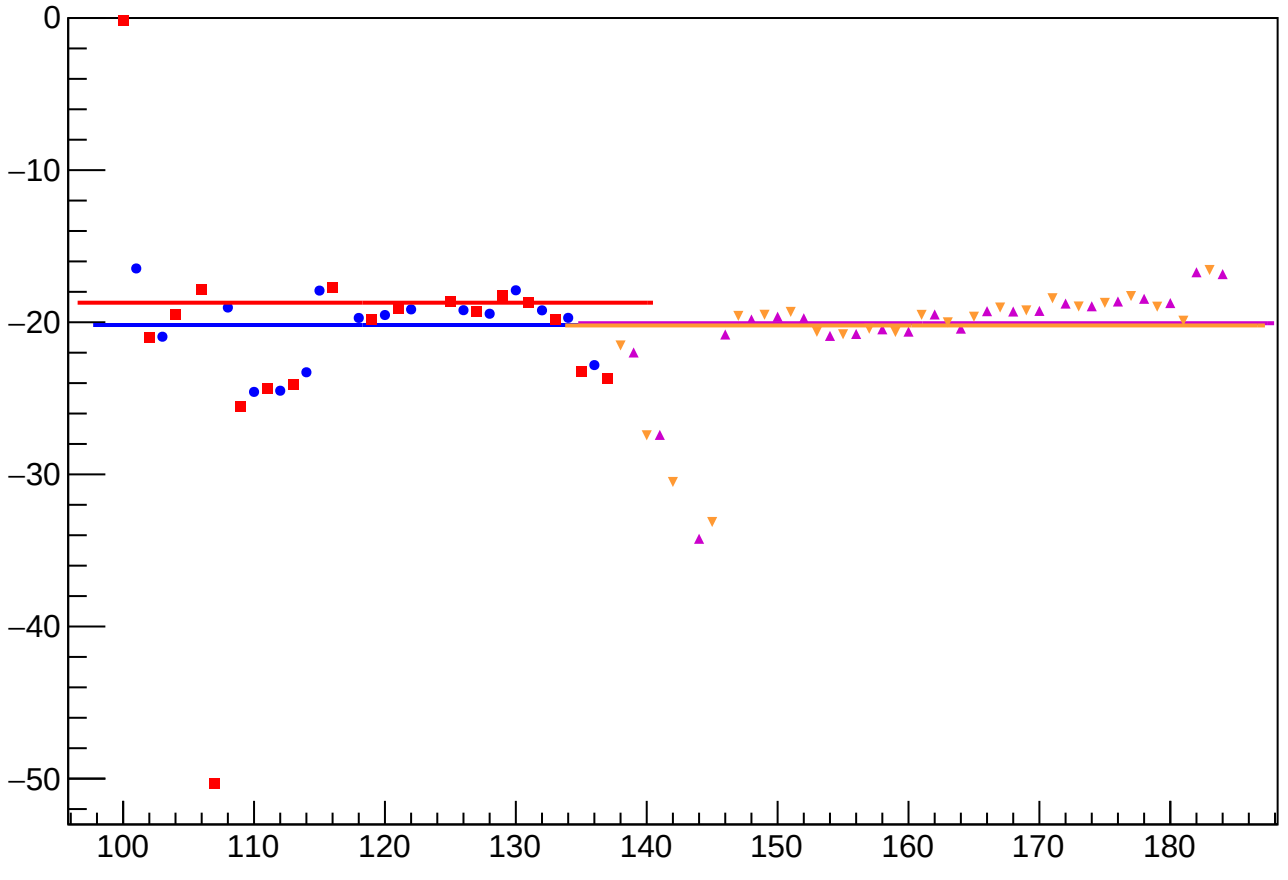
Left: 8.922+/-0.124 χ^2/NDF: 530.2/45

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.199+/-0.145 χ^2/NDF:1038.4/38

Out: 6.923+/-0.144 χ^2/NDF:975.8/40

All: 7.061+/-0.102 χ^2/NDF: 2016.0/79



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: -20.063+/-0.008 χ^2/NDF:132690.0/22

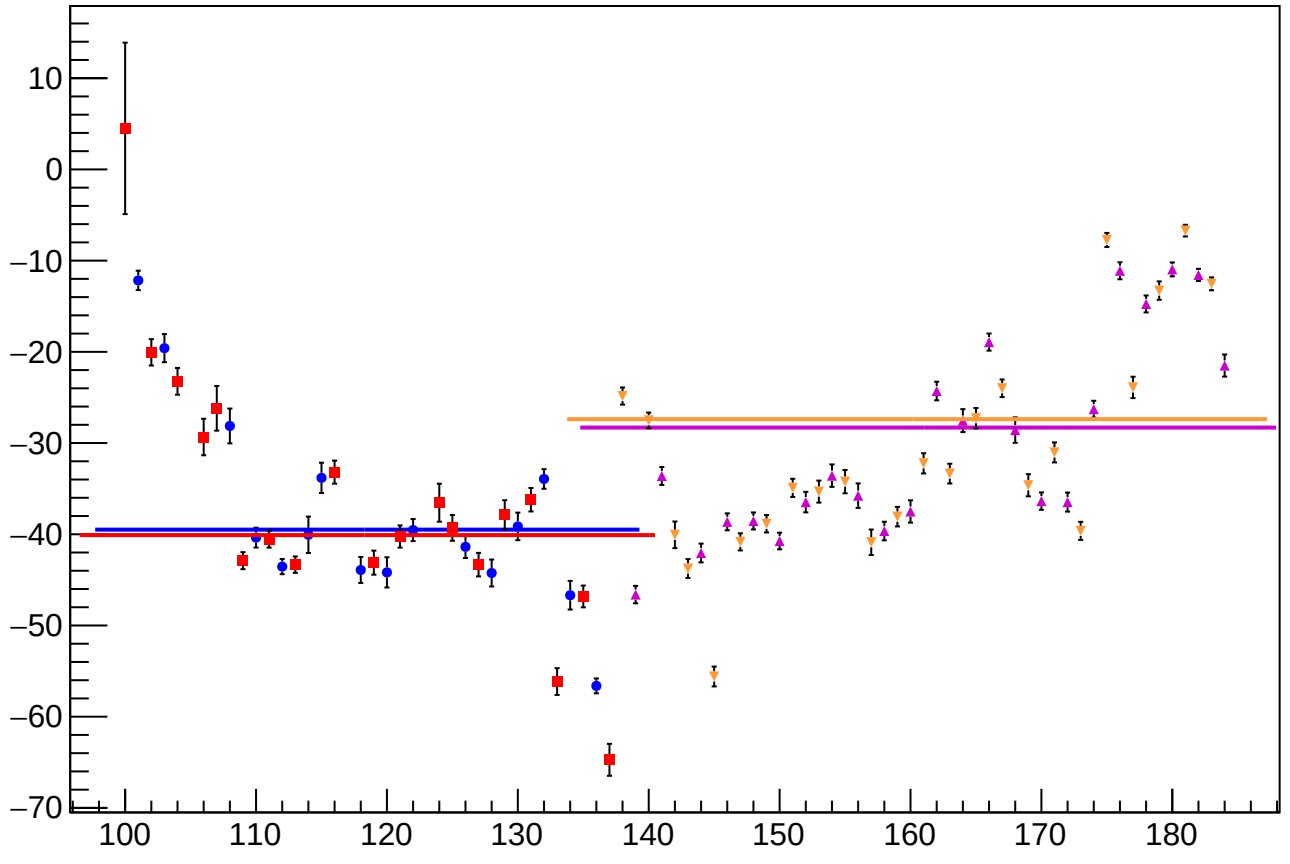
Left: -20.135+/-0.006 χ^2/NDF: 286668.7/45

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.086+/-0.007 χ^2/NDF:152589.9/38

Out: -19.895+/-0.007 χ^2/NDF:395766.9/40

All: -19.991+/-0.005 χ^2/NDF: 548716.2/79



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: -28.303+/-0.206 χ^2/NDF:3273.4/22

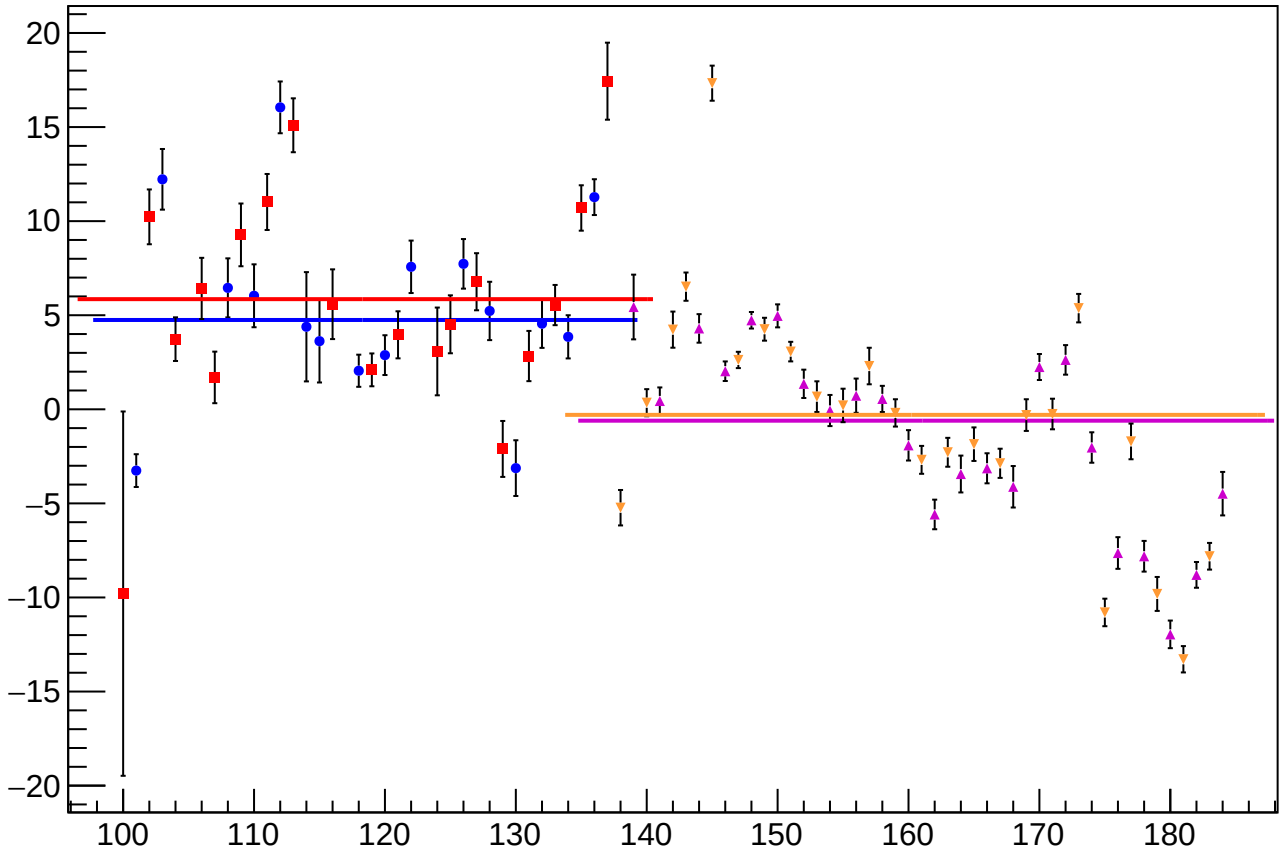
Left: -27.833+/-0.144 χ^2/NDF: 7550.3/46

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -31.715+/-0.172 χ^2/NDF:5592.4/38

Out: -31.220+/-0.169 χ^2/NDF:6296.9/42

All: -31.463+/-0.120 χ^2/NDF: 11893.5/81



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: -0.605+/-0.155 χ^2/NDF:974.6/22

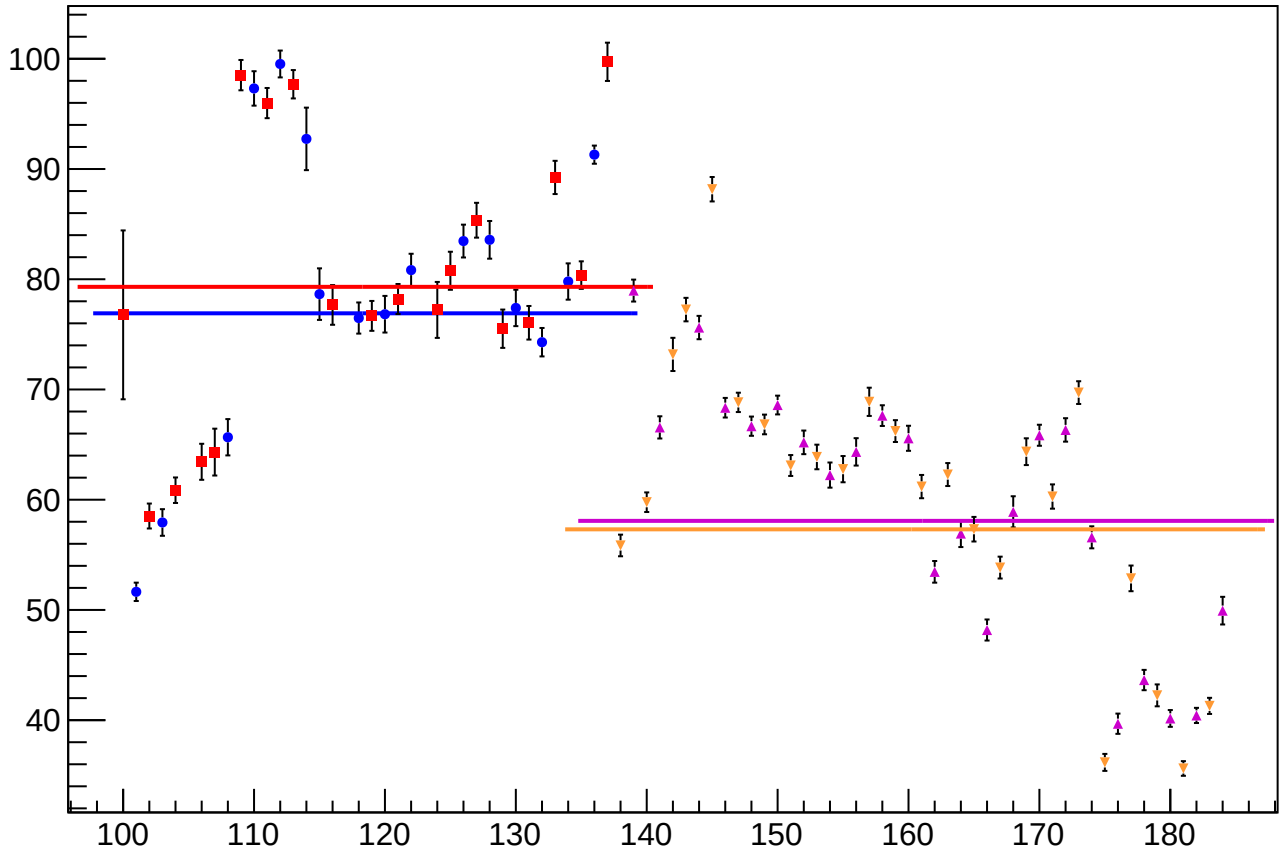
Left: -0.446+/-0.108 χ^2/NDF: 2482.5/46

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 0.435+/-0.139 χ^2/NDF:1479.6/38

Out: 0.802+/-0.137 χ^2/NDF:1989.7/42

All: 0.622+/-0.098 χ^2/NDF: 3472.9/81



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: 58.080+/-0.203 χ^2/NDF:3558.6/22

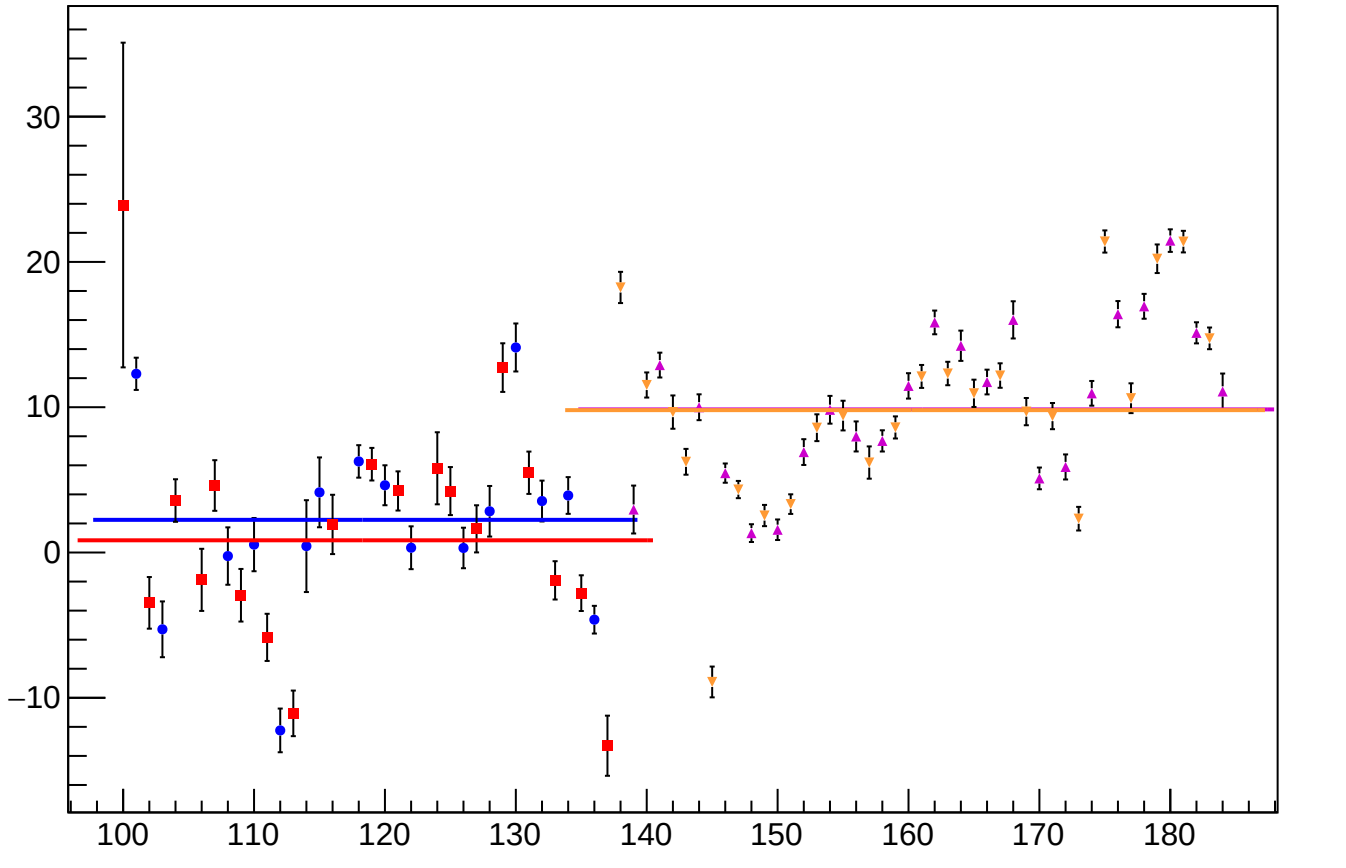
Left: 57.690+/-0.143 χ^2/NDF: 8132.1/46

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 63.113+/-0.174 χ^2/NDF:7963.7/38

Out: 62.794+/-0.174 χ^2/NDF:9065.5/42

All: 62.953+/-0.123 χ^2/NDF: 17030.9/81


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
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−10
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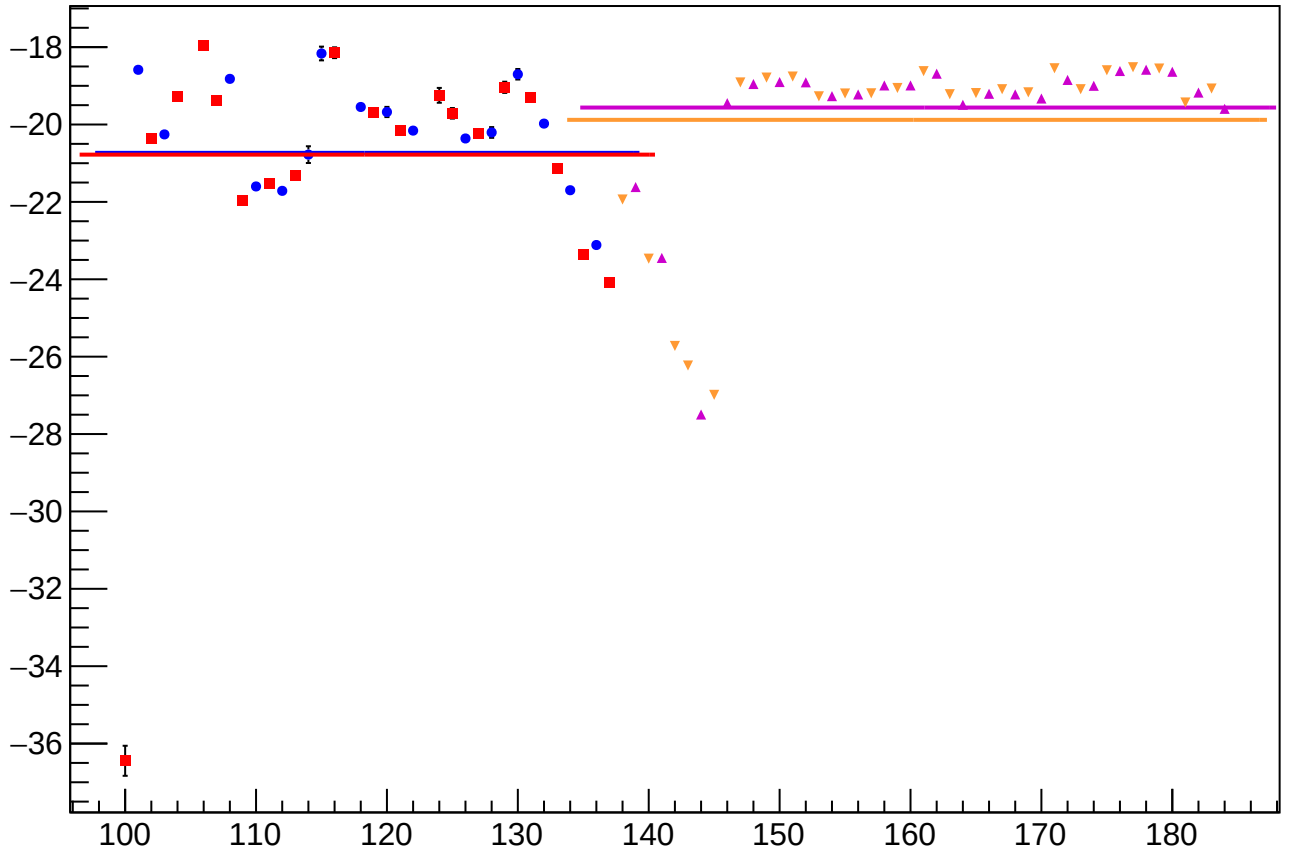
120
130
140
150
160
170
180
Right In: 2.248+/-0.363 χ²/NDF: 319.6/15
Left Out: 9.799+/-0.173 χ²/NDF:1427.2/23
Right Out: 0.840+/-0.372 χ²/NDF: 256.2/18
Left In: 9.849+/-0.176 χ²/NDF:993.0/22
Left: 9.824+/-0.123 χ²/NDF: 2420.2/46
Right: 1.561+/-0.260 χ²/NDF: 583.2/34
In: 8.399+/-0.159 χ²/NDF:1667.3/38
Out: 8.212+/-0.157 χ²/NDF:2160.5/42
All: 8.304+/-0.111 χ²/NDF: 3828.5/81



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: -19.562+/-0.008 χ^2/NDF:45172.6/22

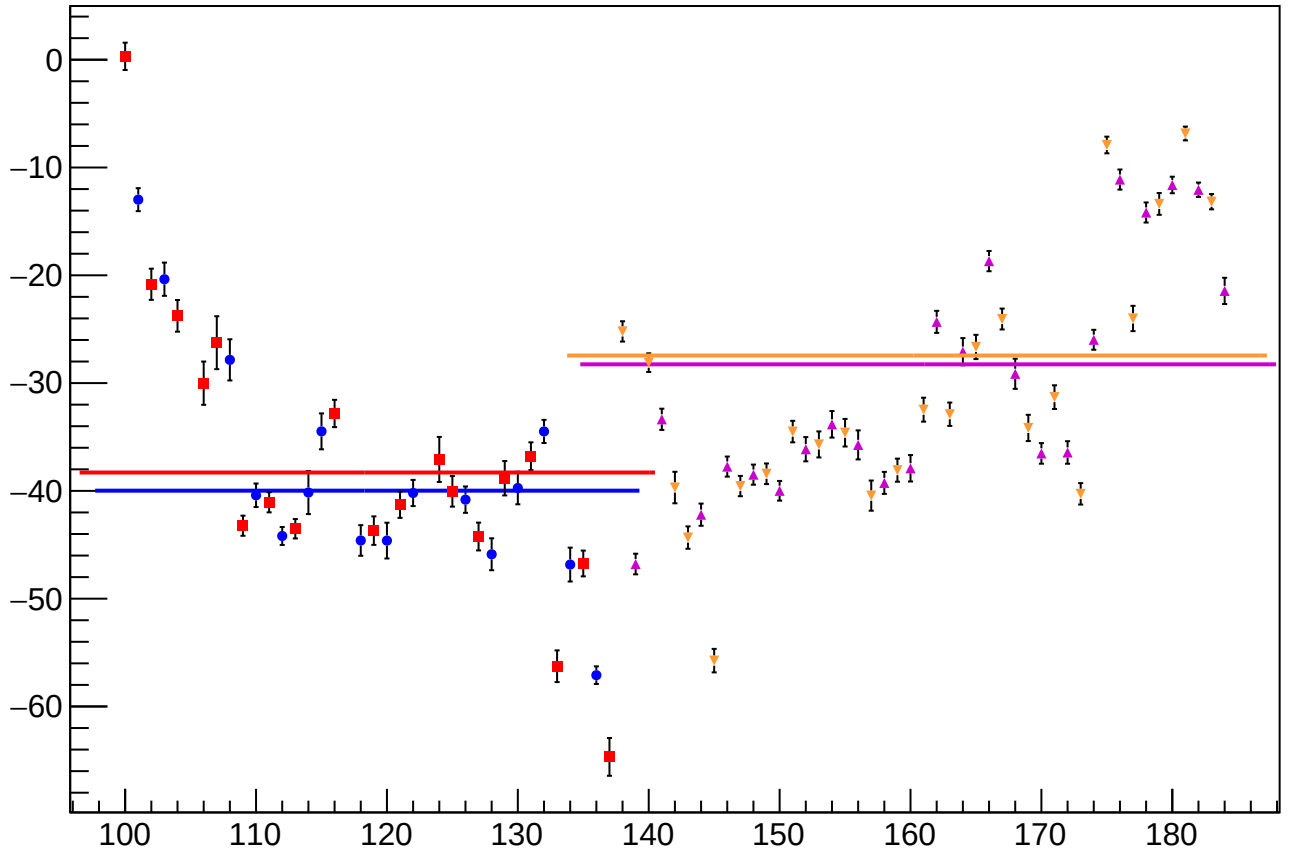
Left: -19.721+/-0.006 χ^2/NDF: 124717.2/46

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -19.730+/-0.007 χ^2/NDF:55918.8/38

Out: -20.000+/-0.007 χ^2/NDF:89889.6/42

All: -19.864+/-0.005 χ^2/NDF: 146478.4/81


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
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−40
−50
−60
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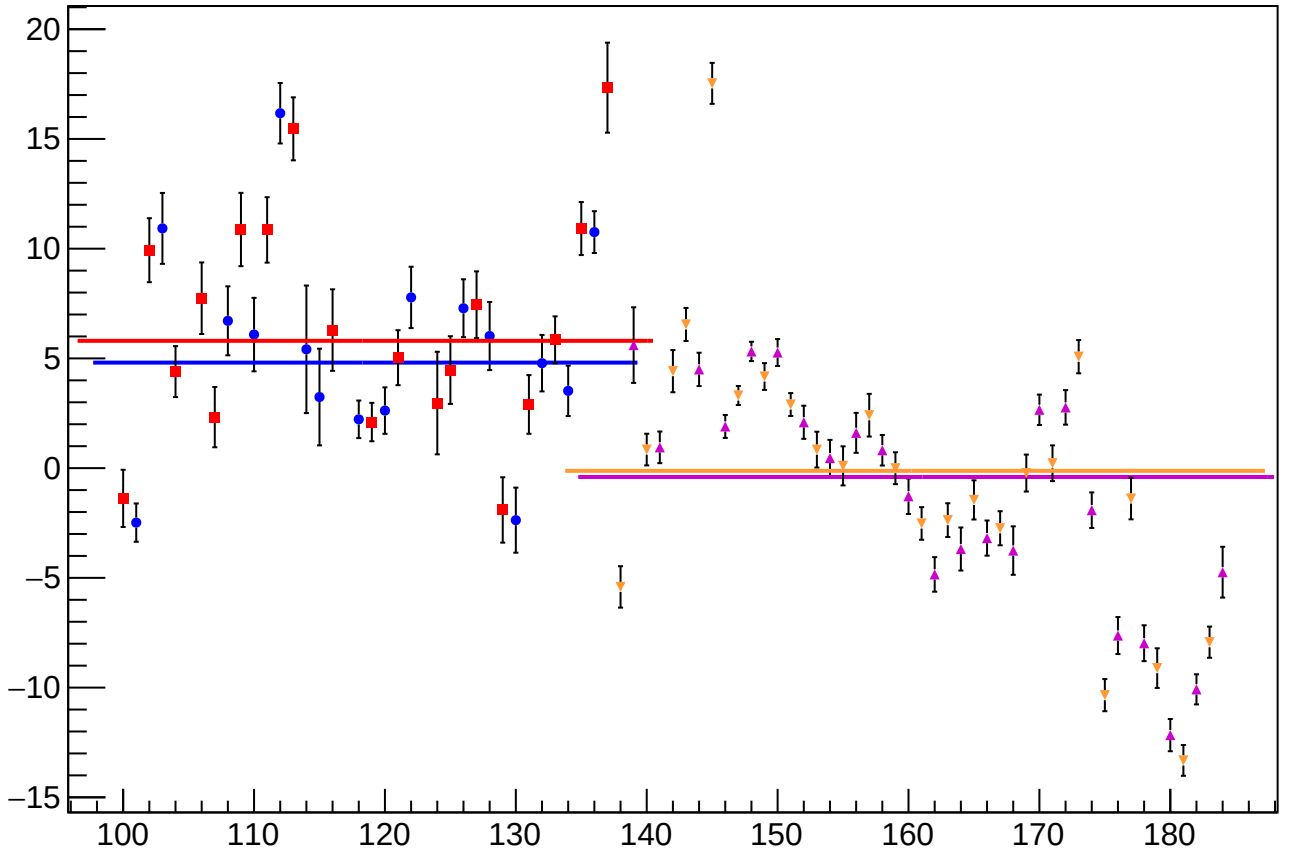
150
160
170
180
Right In: -39.979+/-0.311 χ²/NDF: 1398.4/15
Left Out: -27.441+/-0.202 χ²/NDF:4169.6/23
Right Out: -38.295+/-0.299 χ²/NDF: 1773.8/18
Left In: -28.260+/-0.206 χ²/NDF:3172.7/22
Left: -27.843+/-0.144 χ²/NDF: 7350.3/46
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -31.836+/-0.172 χ²/NDF:5557.1/38
Out: -30.849+/-0.168 χ²/NDF:6846.9/42
All: -31.330+/-0.120 χ²/NDF: 12420.8/81



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: -0.123+/-0.151 χ^2/NDF:1497.0/23

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

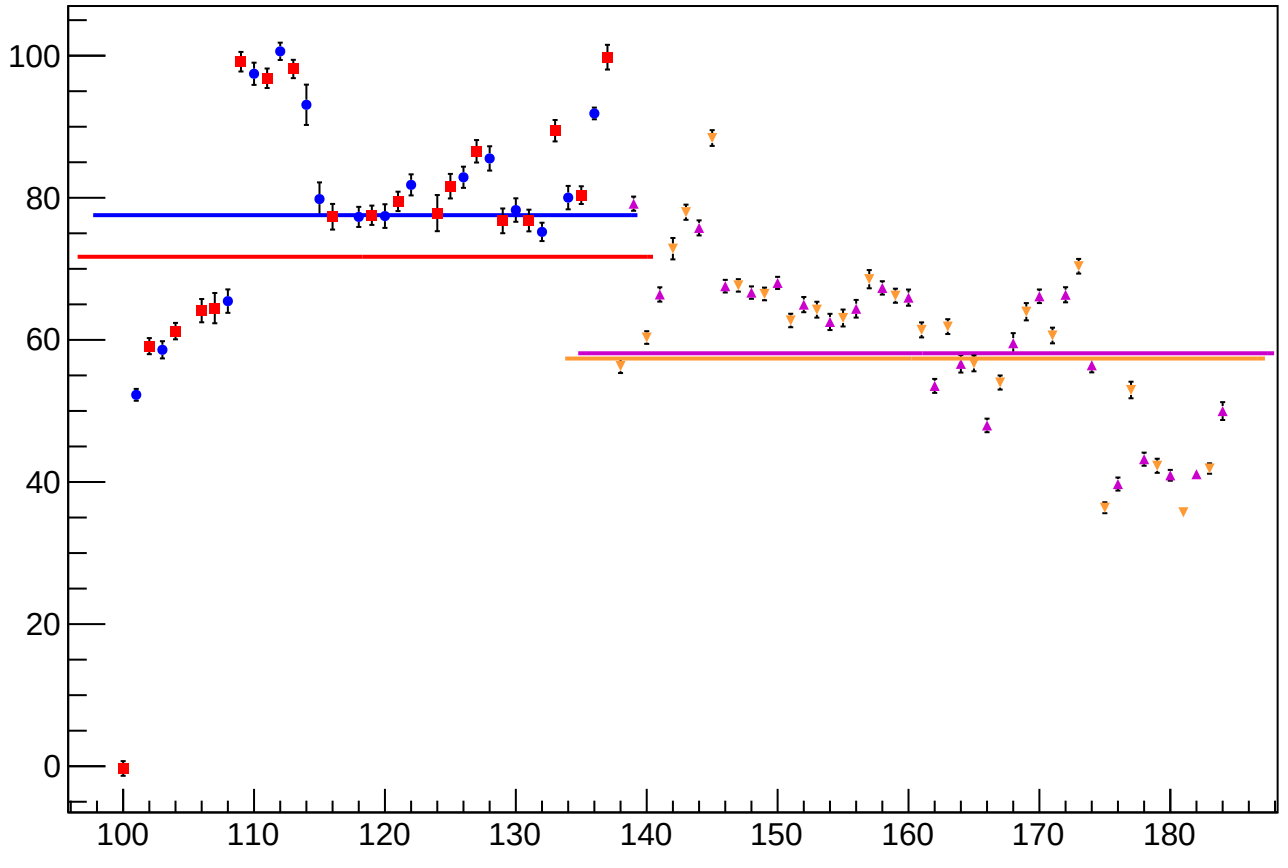
Left: -0.260+/-0.108 χ^2/NDF: 2582.8/46

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 0.610+/-0.140 χ^2/NDF:1543.2/38

Out: 0.986+/-0.136 χ^2/NDF:2001.0/42

All: 0.802+/-0.097 χ^2/NDF: 3547.9/81



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: 58.117+/-0.204 χ^2/NDF:3443.9/22

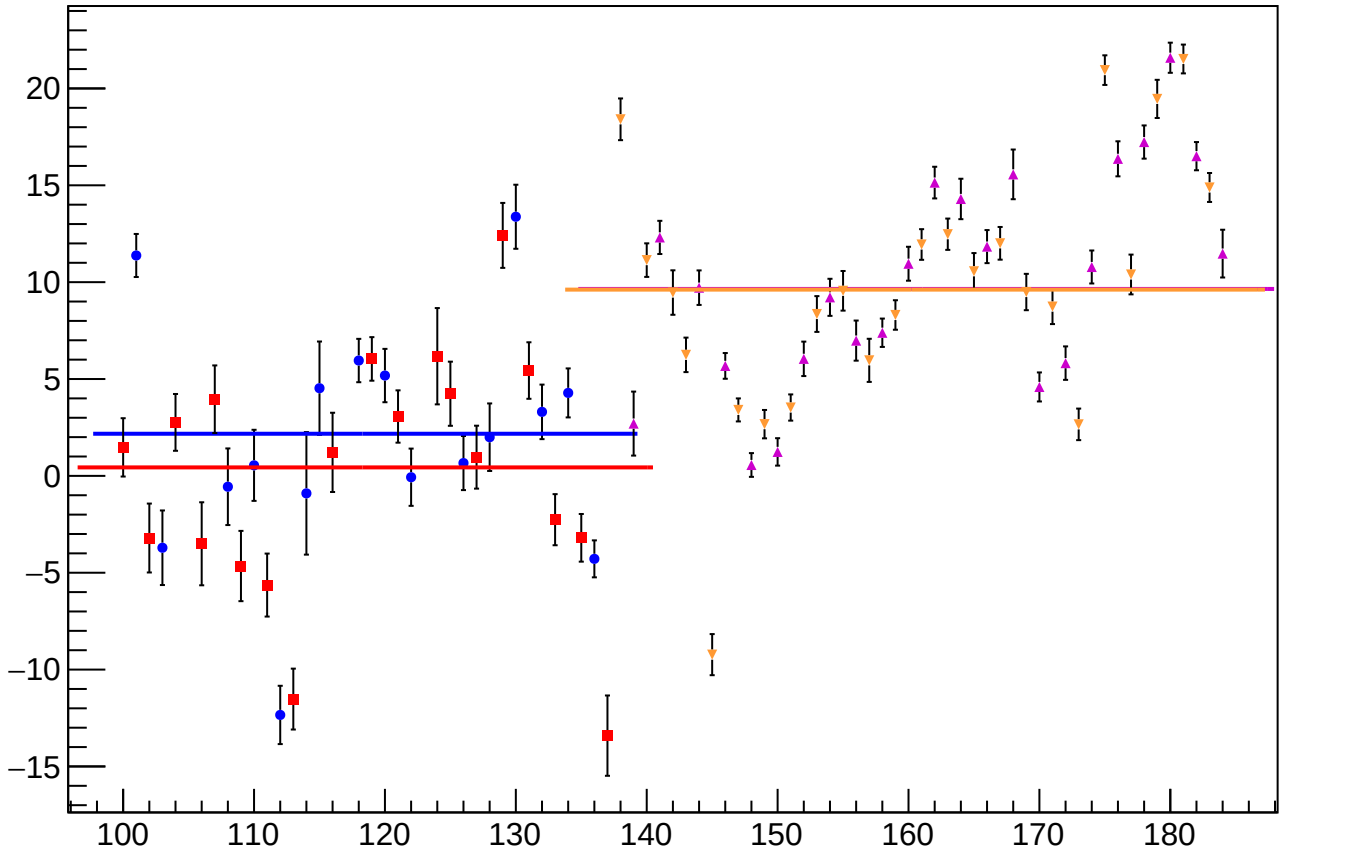
Left: 57.741+/-0.143 χ^2/NDF: 7944.7/46

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 63.315+/-0.174 χ^2/NDF:7993.5/38

Out: 61.237+/-0.172 χ^2/NDF:12769.9/42

All: 62.258+/-0.122 χ^2/NDF: 20835.5/81



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 9.615+/-0.173 χ^2/NDF:1425.6/23

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

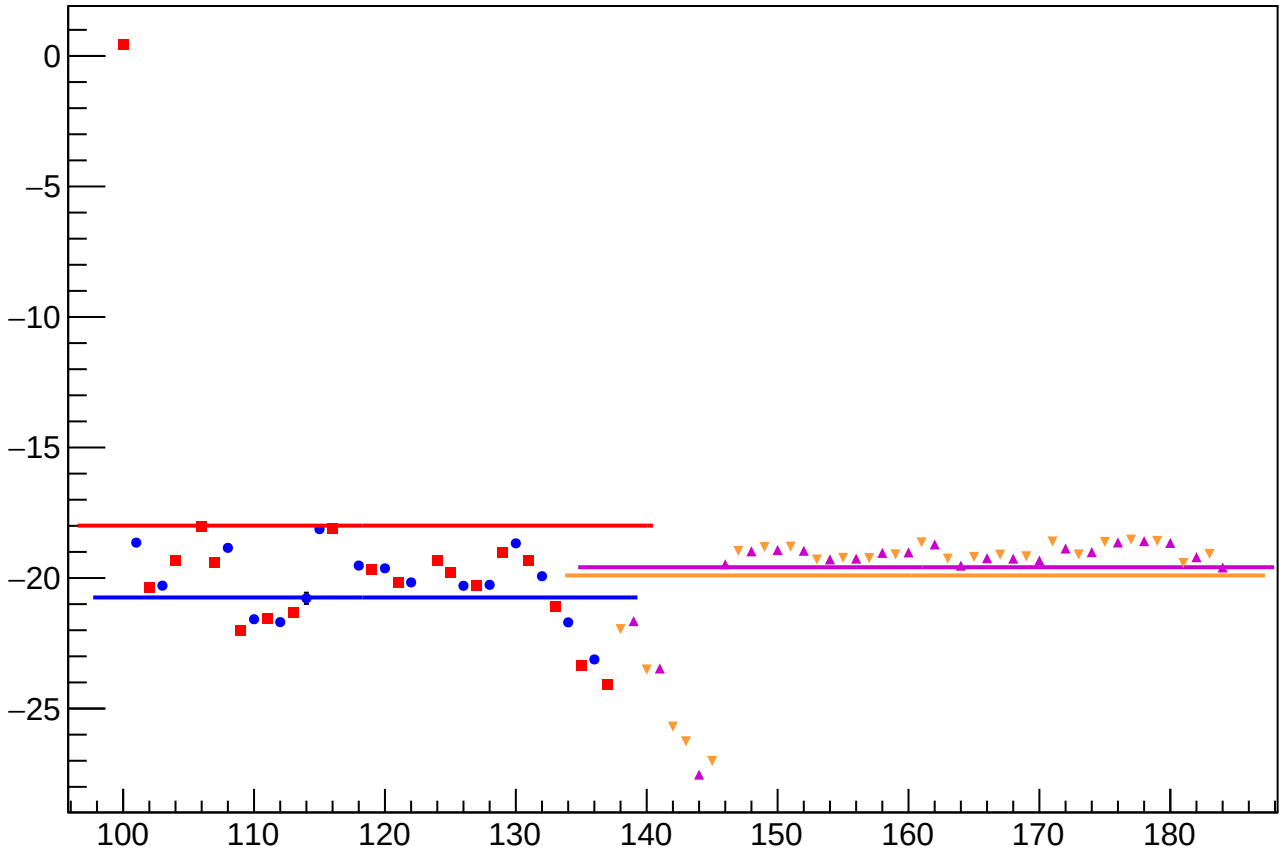
Left: 9.633+/-0.124 χ^2/NDF: 2504.2/46

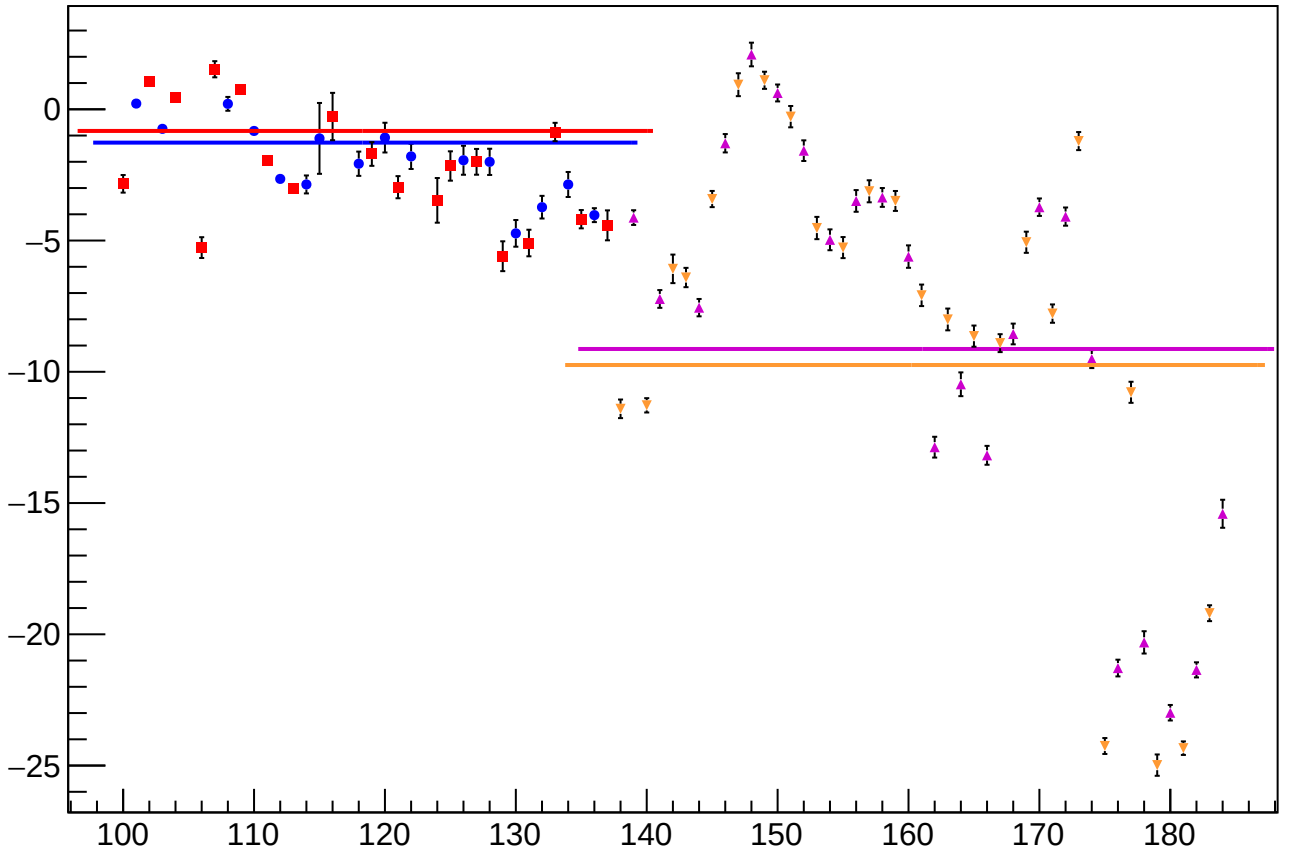
Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 8.223+/-0.159 χ^2/NDF:1710.8/38

Out: 7.911+/-0.156 χ^2/NDF:2203.3/42

All: 8.064+/-0.111 χ^2/NDF: 3916.1/81


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
160
170
180
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
Left Out: -19.902+/-0.008 χ²/NDF:78370.9/23
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.744+/-0.006 χ²/NDF: 124241.8/46
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -19.753+/-0.007 χ²/NDF:55635.0/38
Out: -19.614+/-0.007 χ²/NDF:237634.4/42
All: -19.683+/-0.005 χ²/NDF: 293446.7/81



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: -9.131+/-0.075 χ^2/NDF:10390.6/22

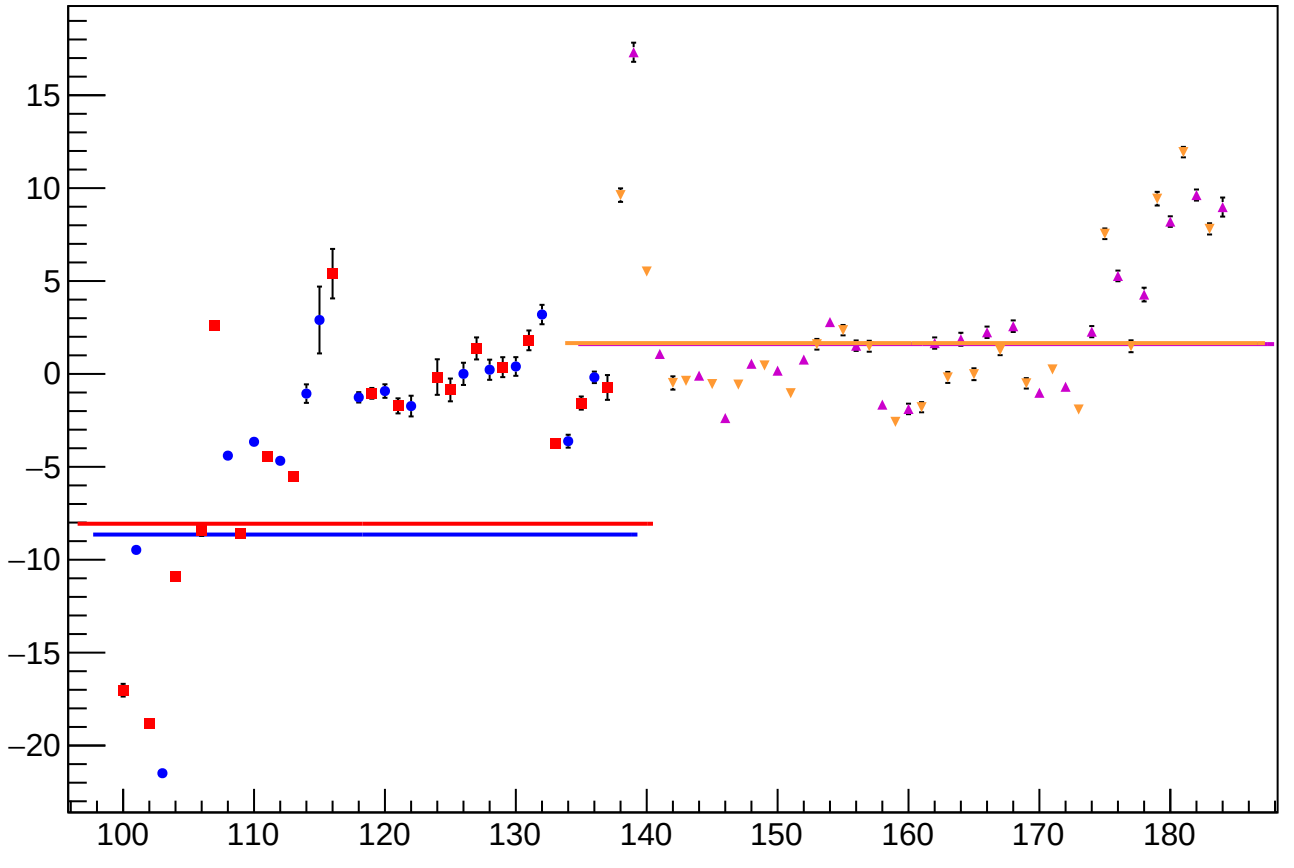
Left: -9.442+/-0.052 χ^2/NDF: 22799.8/46

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -3.999+/-0.044 χ^2/NDF:18223.3/38

Out: -3.736+/-0.042 χ^2/NDF:23724.7/42

All: -3.861+/-0.030 χ^2/NDF: 41966.7/81



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: 1.605+/-0.058 χ^2/NDF:3656.4/22

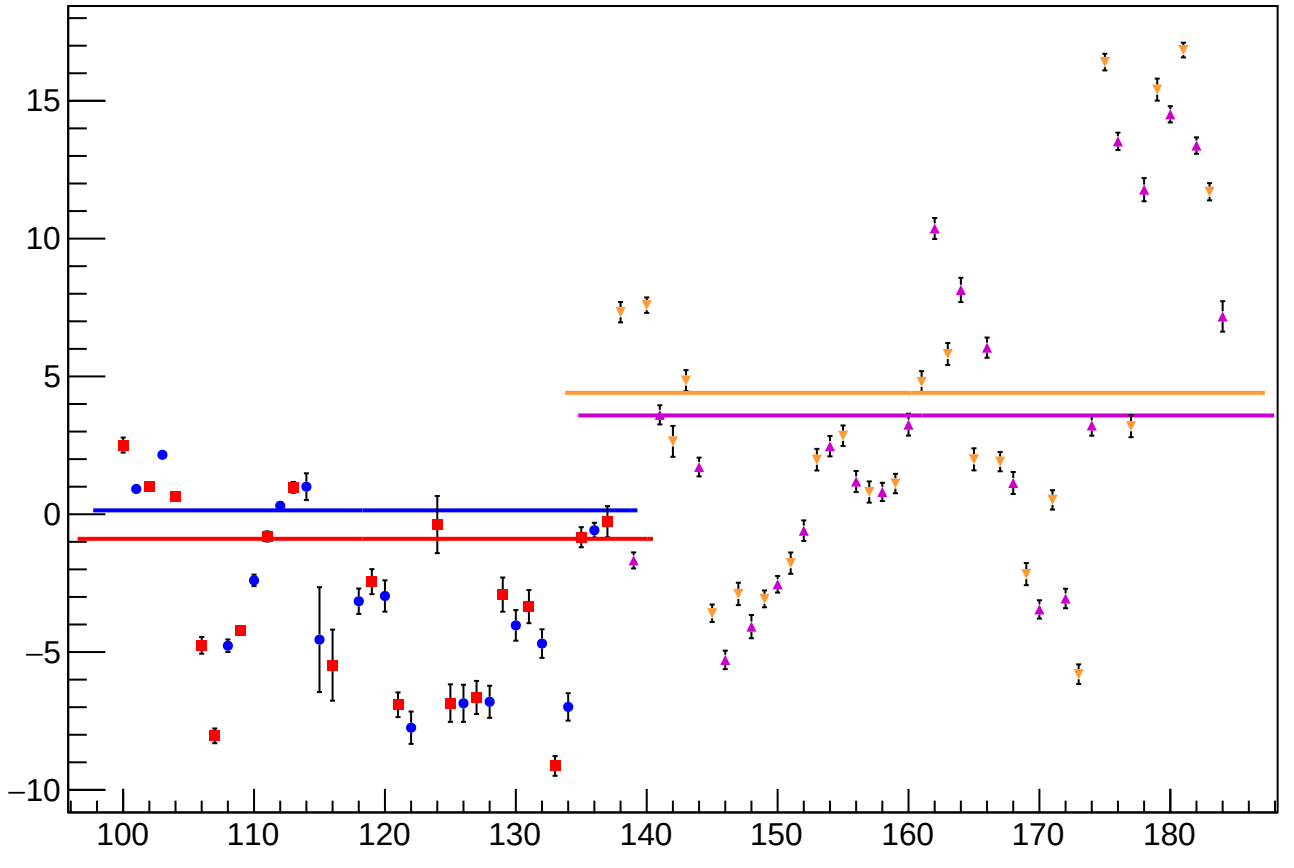
Left: 1.633+/-0.040 χ^2/NDF: 8269.3/46

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -3.586+/-0.041 χ^2/NDF:33479.1/38

Out: -3.036+/-0.040 χ^2/NDF:33820.4/42

All: -3.307+/-0.028 χ^2/NDF: 67392.8/81



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: 3.584+/-0.074 χ^2/NDF:7228.4/22

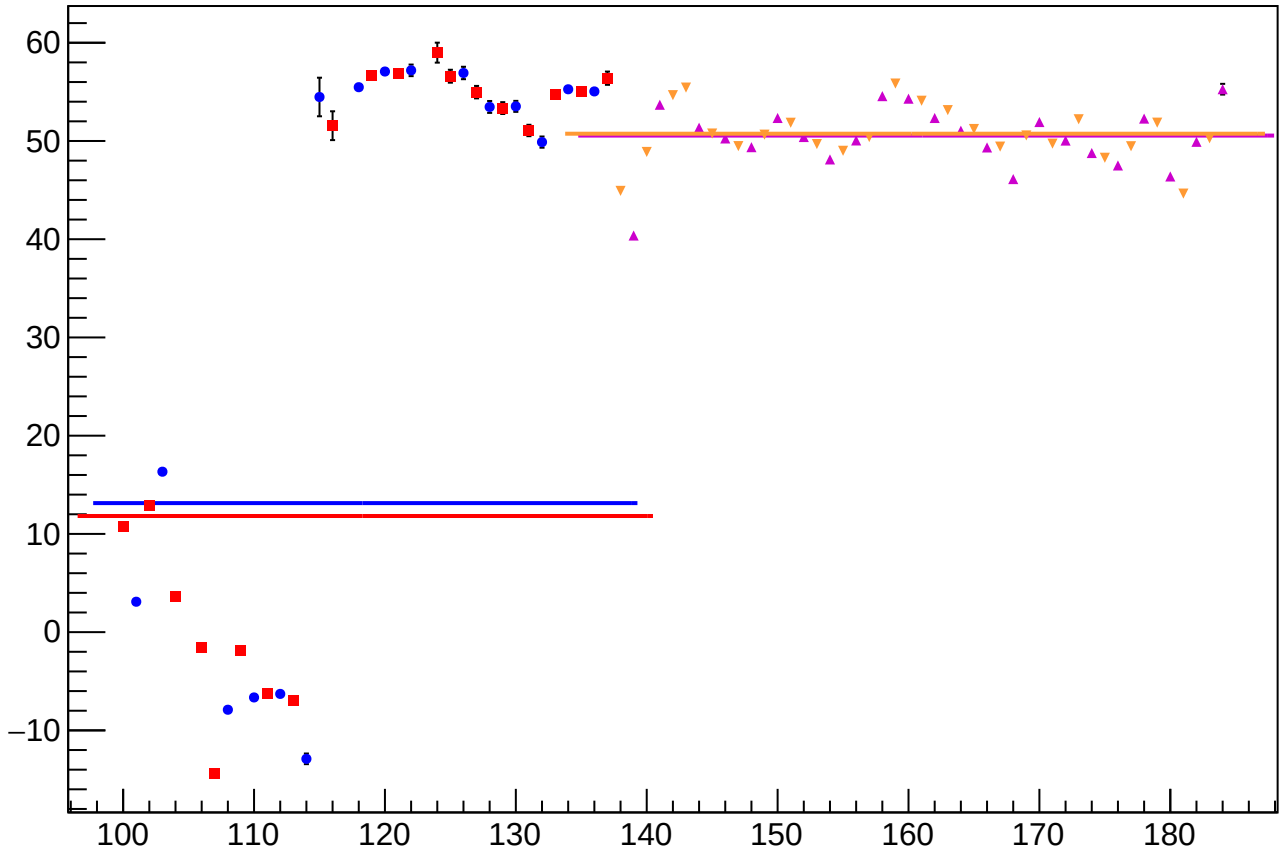
Left: 4.002+/-0.052 χ^2/NDF: 15888.6/46

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 1.308+/-0.043 χ^2/NDF:10620.7/38

Out: 0.975+/-0.043 χ^2/NDF:15020.5/42

All: 1.142+/-0.030 χ^2/NDF: 25671.1/81



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: 50.550+/-0.065 χ^2/NDF:1717.7/22

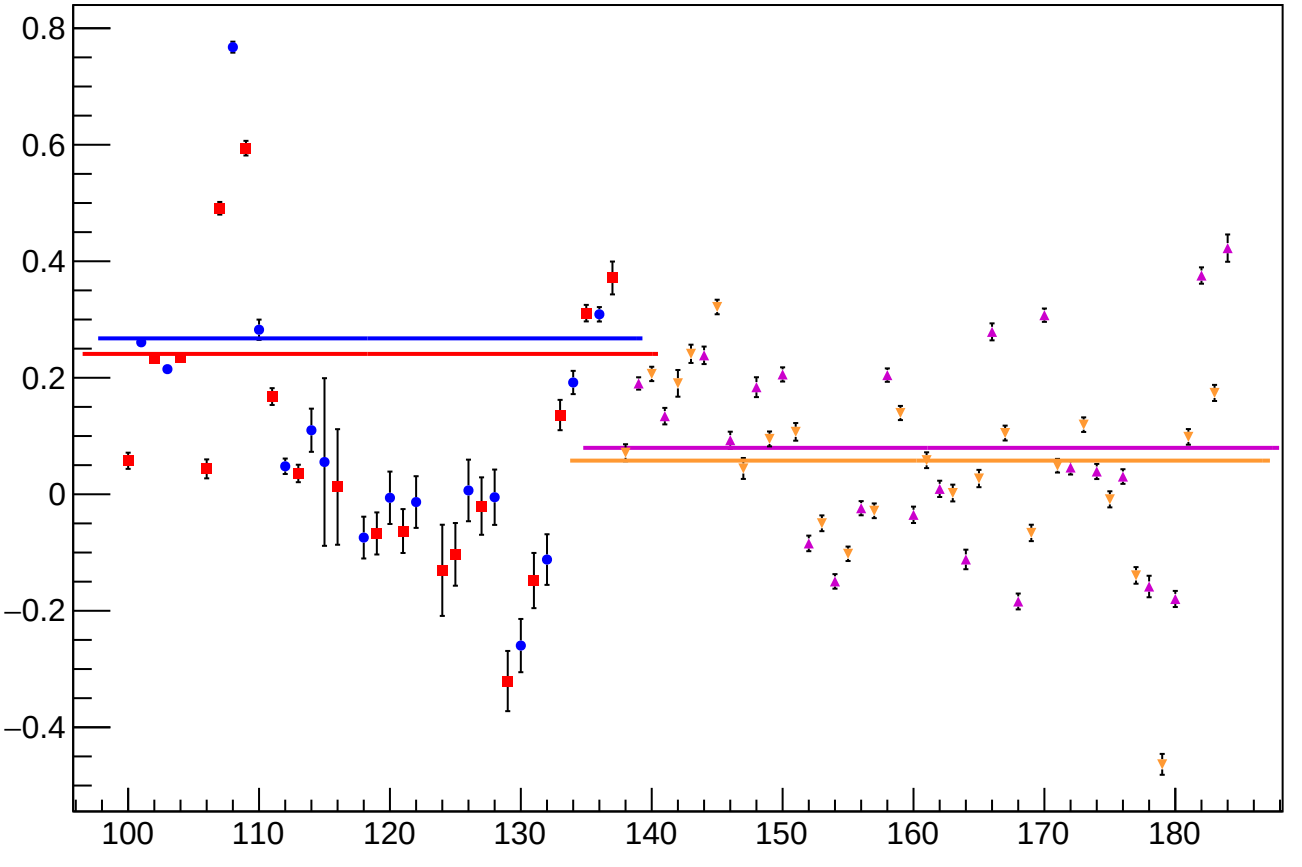
Left: 50.648+/-0.045 χ^2/NDF: 3464.3/46

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 32.738+/-0.047 χ^2/NDF:269157.0/38

Out: 32.737+/-0.046 χ^2/NDF:296733.0/42

All: 32.737+/-0.033 χ^2/NDF: 565890.0/81



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: 0.080+/-0.003 χ^2/NDF:3446.5/22

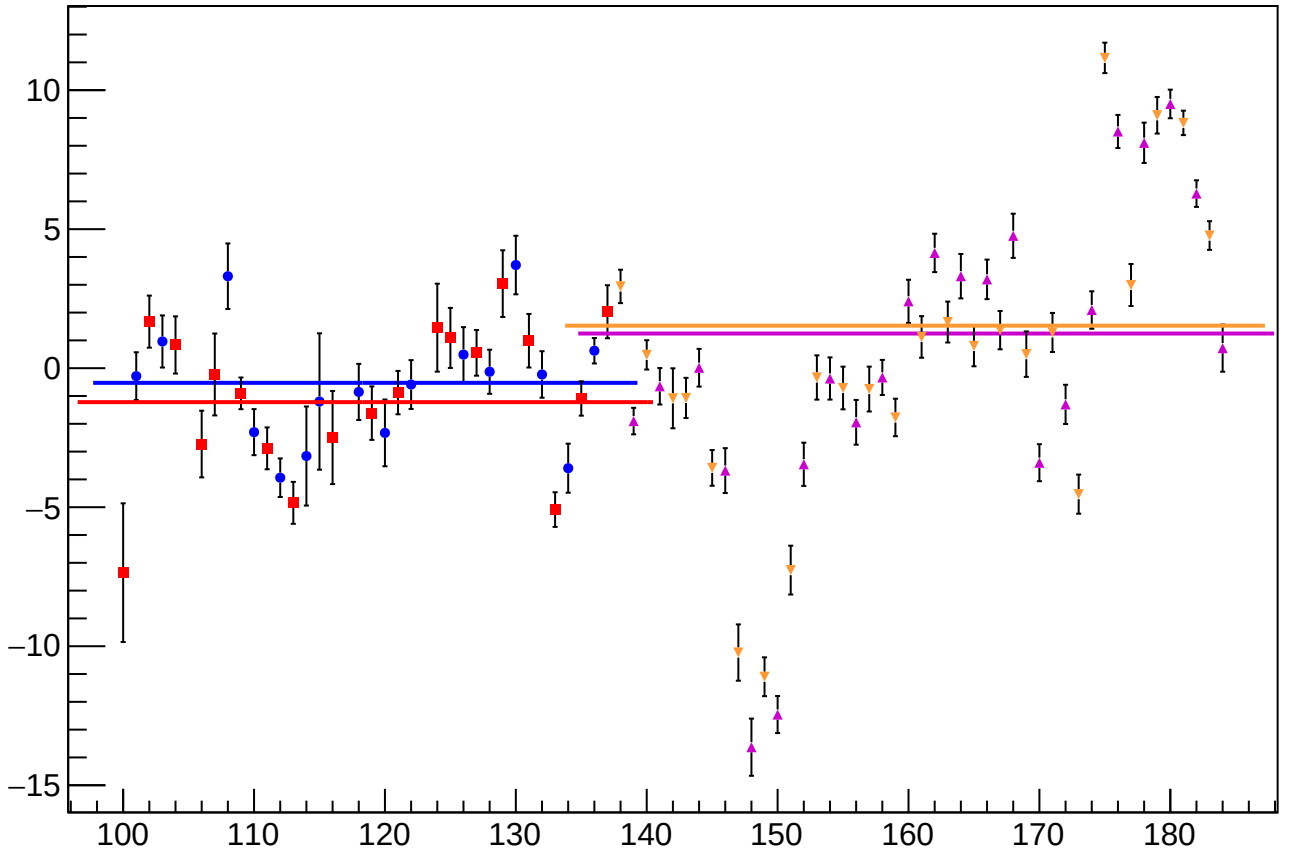
Left: 0.069+/-0.002 χ^2/NDF: 5853.7/46

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.175+/-0.002 χ^2/NDF:9403.9/38

Out: 0.152+/-0.002 χ^2/NDF:6883.3/42

All: 0.163+/-0.001 χ^2/NDF: 16355.1/81



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: 1.247+/-0.140 χ^2/NDF:1512.4/22

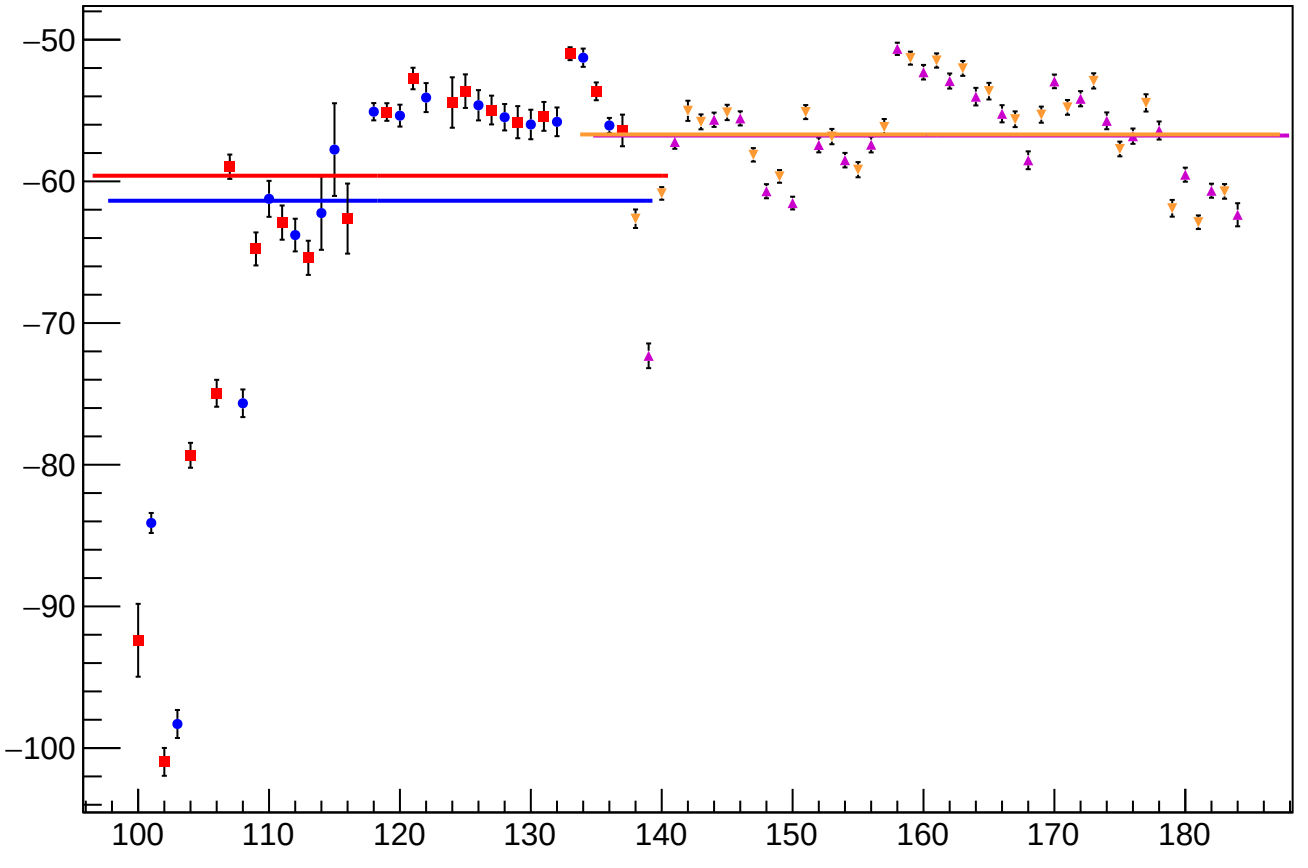
Left: 1.390+/-0.098 χ^2/NDF: 3051.4/46

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: 0.724+/-0.118 χ^2/NDF:1642.1/38

Out: 0.667+/-0.115 χ^2/NDF:1792.0/42

All: 0.695+/-0.082 χ^2/NDF: 3434.3/81



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: -56.765+/-0.112 χ^2/NDF:1108.9/22

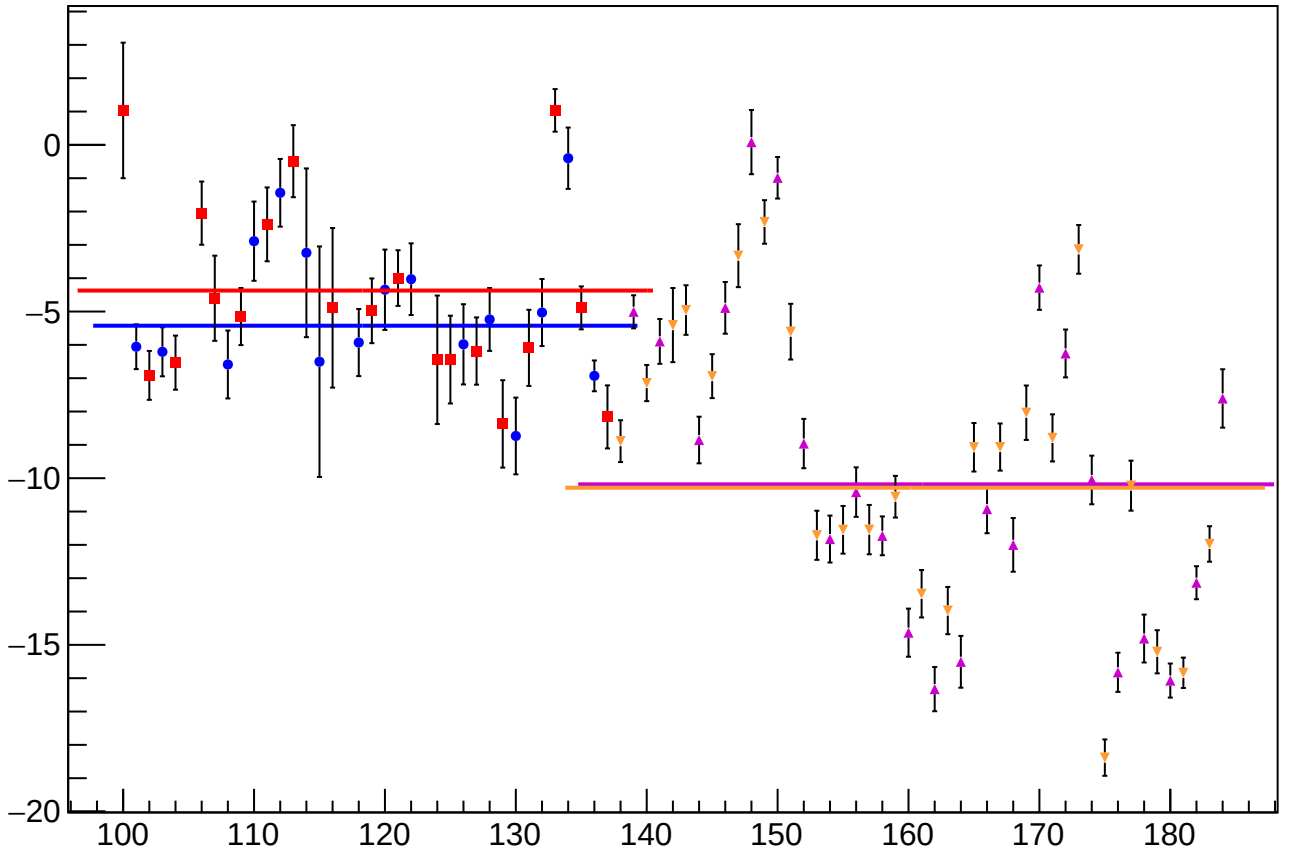
Left: -56.725+/-0.078 χ^2/NDF: 2123.3/46

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -57.719+/-0.100 χ^2/NDF:4810.1/38

Out: -57.313+/-0.096 χ^2/NDF:4591.7/42

All: -57.507+/-0.069 χ^2/NDF: 9410.5/81



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: -10.184+/-0.139 χ^2/NDF:1142.6/22

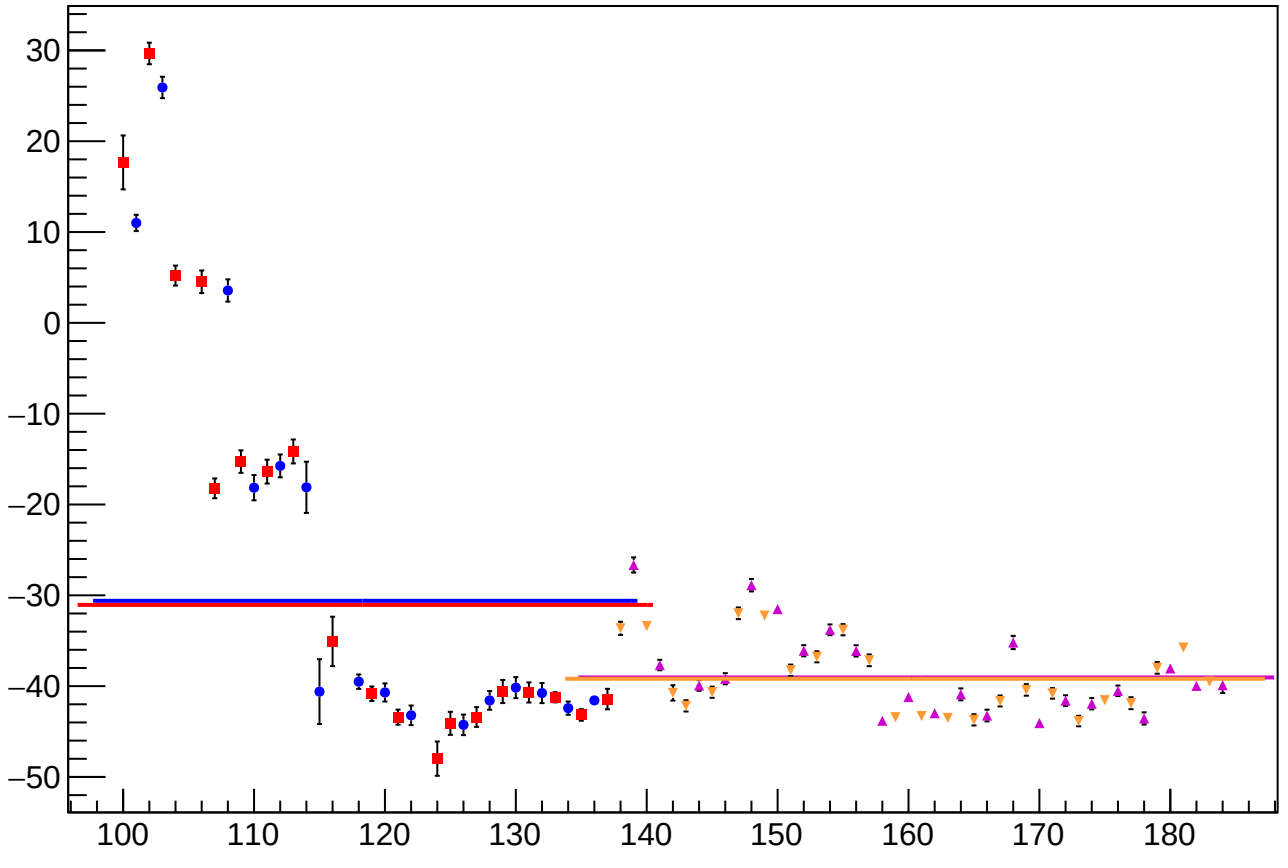
Left: -10.236+/-0.098 χ^2/NDF: 2119.6/46

Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -8.909+/-0.119 χ^2/NDF:1532.1/38

Out: -8.654+/-0.117 χ^2/NDF:1645.1/42

All: -8.779+/-0.083 χ^2/NDF: 3179.6/81



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.188+/-0.121 χ^2/NDF:1034.0/23

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

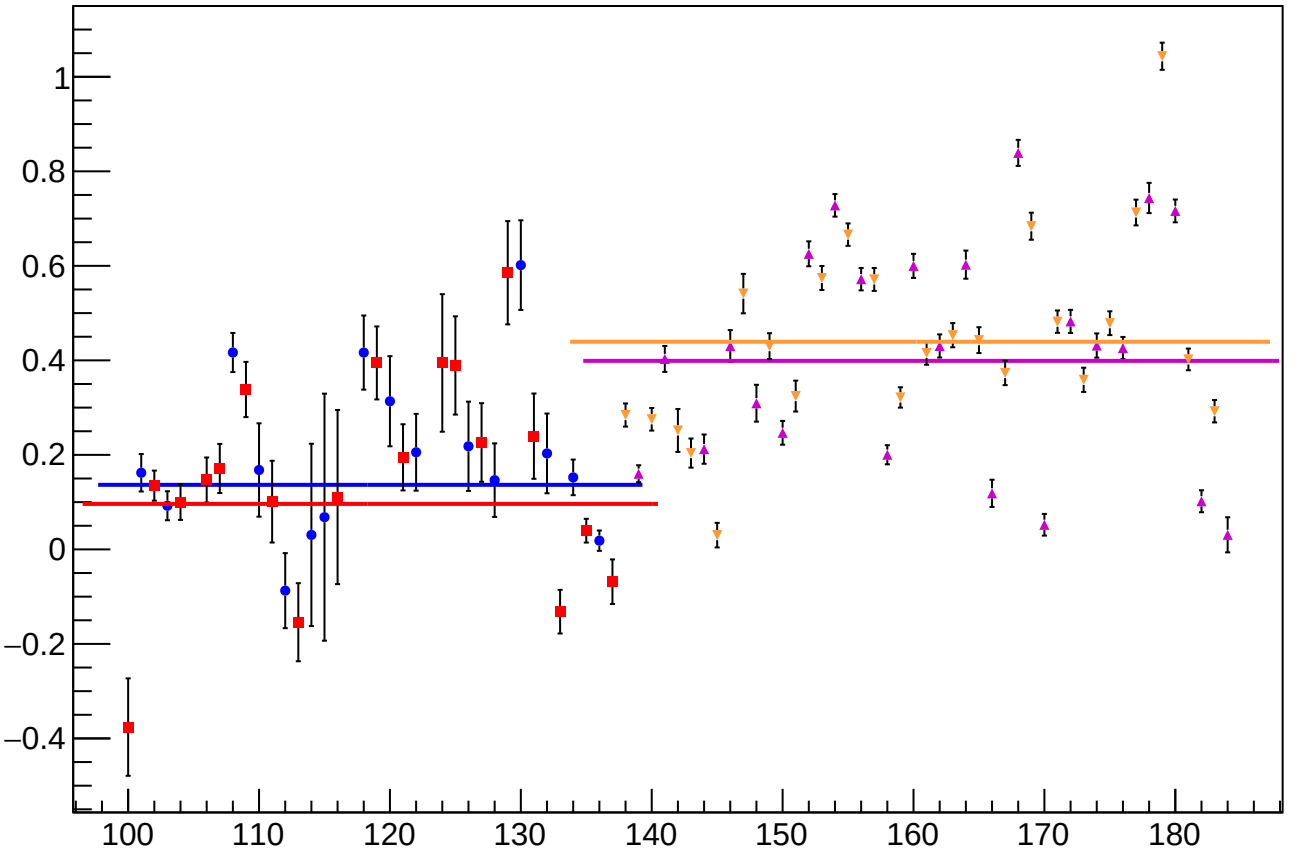
Left: -39.118+/-0.087 χ^2/NDF: 2261.1/46

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -37.366+/-0.111 χ^2/NDF:9081.7/38

Out: -37.515+/-0.108 χ^2/NDF:8939.5/42

All: -37.443+/-0.077 χ^2/NDF: 18022.2/81



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.439+/-0.005 χ^2/NDF:1287.9/23

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

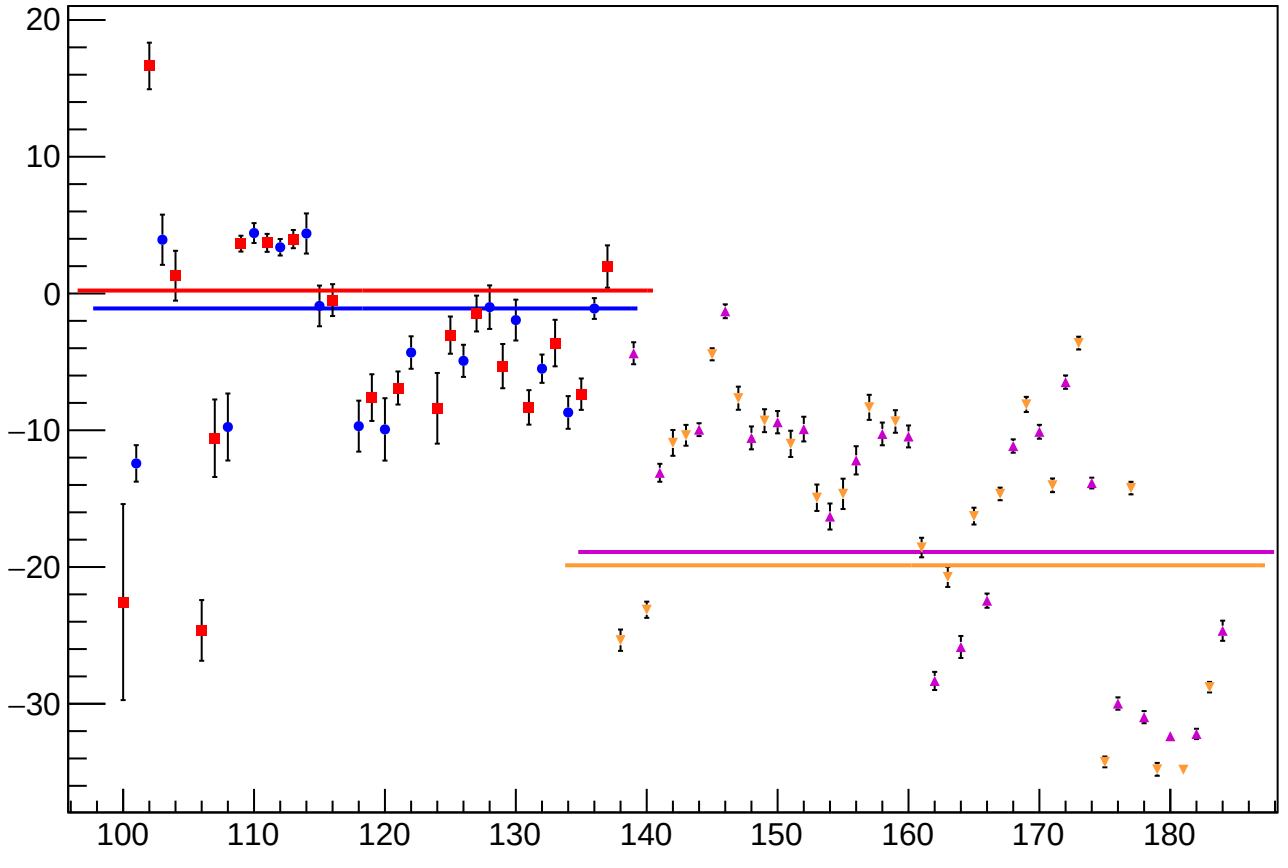
Left: 0.419+/-0.004 χ^2/NDF: 3240.2/46

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.358+/-0.005 χ^2/NDF:2425.2/38

Out: 0.385+/-0.005 χ^2/NDF:2085.7/42

All: 0.372+/-0.003 χ^2/NDF: 4525.4/81



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: -18.902+/-0.116 χ^2/NDF:8286.2/22

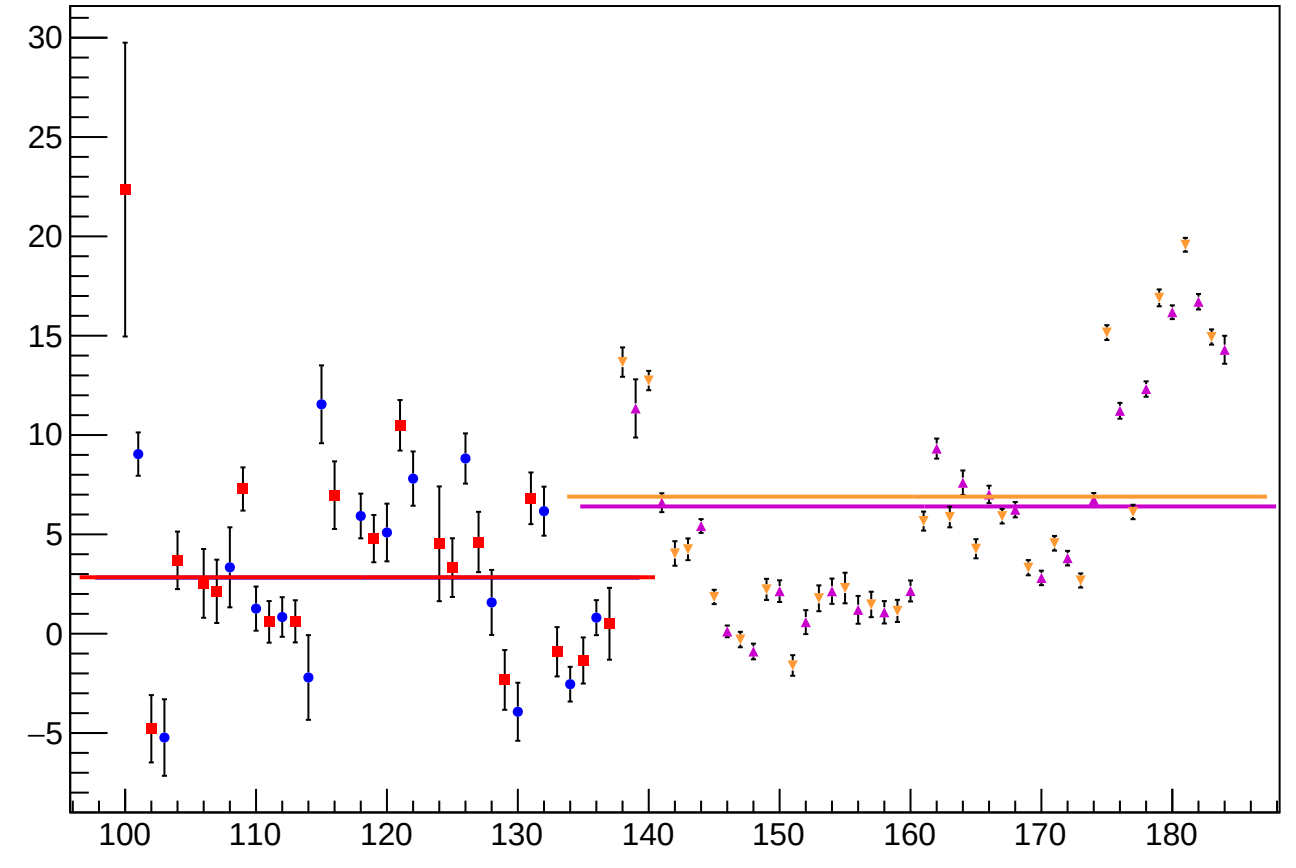
Left: -19.394+/-0.082 χ^2/NDF: 17829.7/46

Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -16.297+/-0.107 χ^2/NDF:12057.9/38

Out: -16.727+/-0.105 χ^2/NDF:14833.1/42

All: -16.516+/-0.075 χ^2/NDF: 26899.2/81


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
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100
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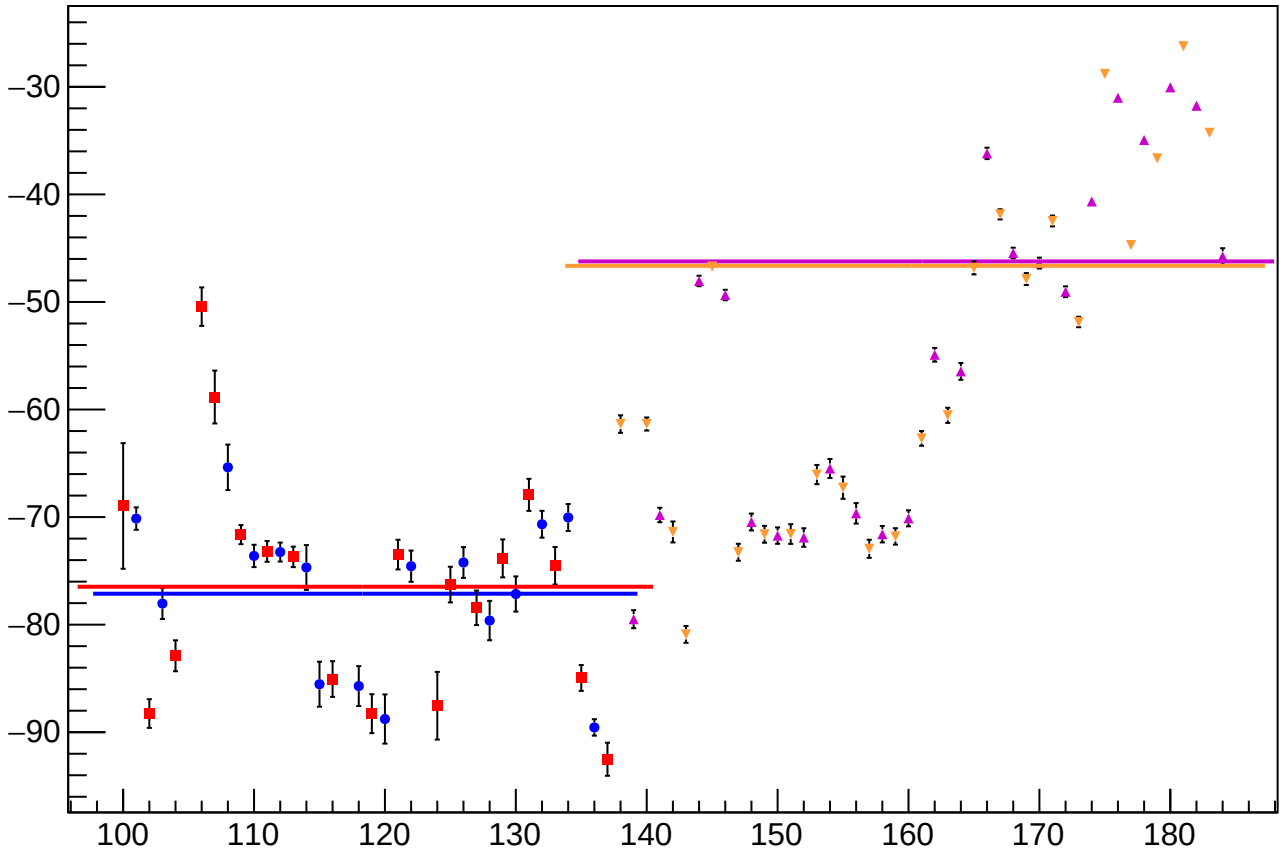
120
130
140
150
160
170
180
Right In: 2.823+/-0.313 χ²/NDF: 199.6/15
Left Out: 6.897+/-0.091 χ²/NDF:4563.6/23
Right Out: 2.840+/-0.322 χ²/NDF: 145.0/18
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.651+/-0.064 χ²/NDF: 7988.7/46
Right: 2.831+/-0.225 χ²/NDF: 344.5/34
In: 6.125+/-0.088 χ²/NDF:3730.4/38
Out: 6.597+/-0.088 χ²/NDF:4855.3/42
All: 6.361+/-0.062 χ²/NDF: 8600.2/81



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: -46.231+/-0.116 χ^2/NDF:15169.3/22

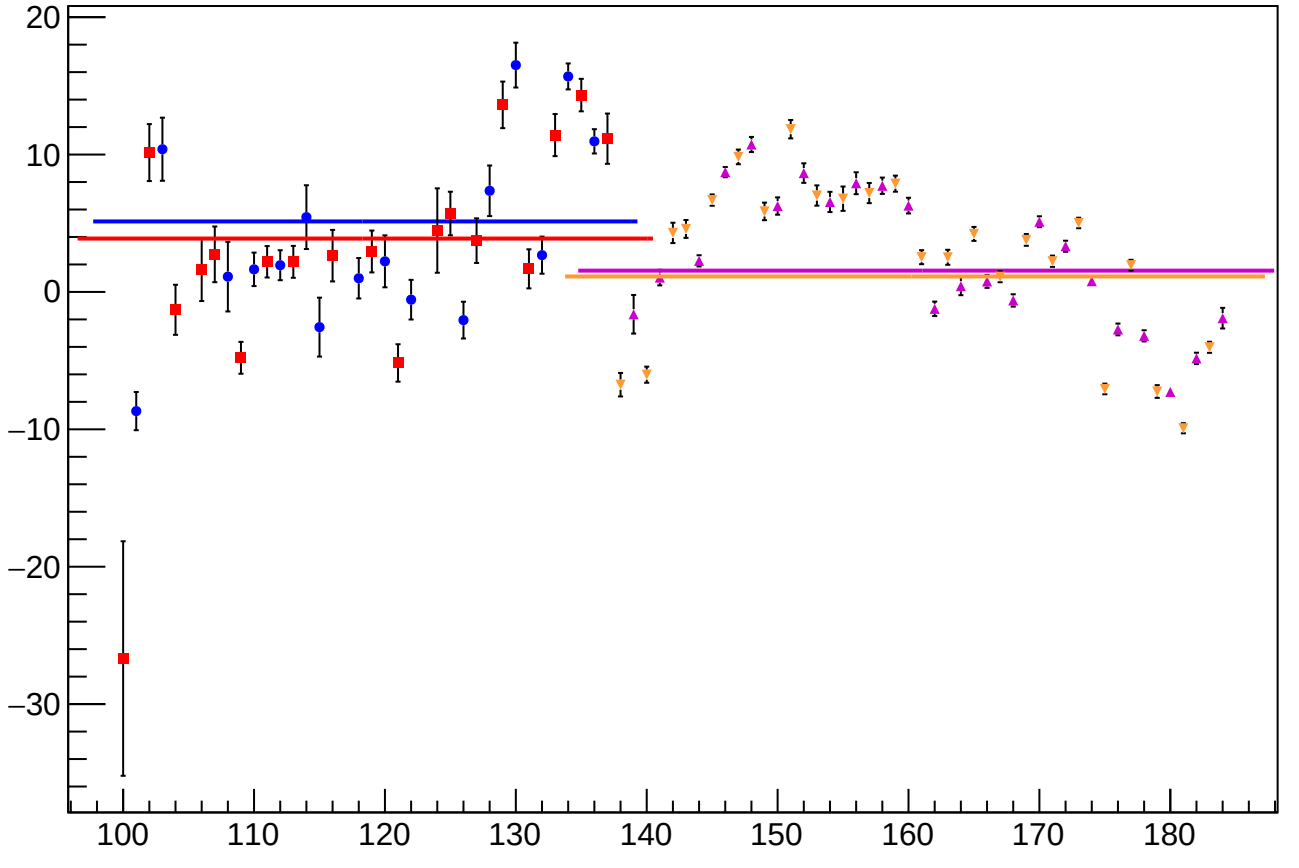
Left: -46.437+/-0.082 χ^2/NDF: 32952.9/46

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -49.712+/-0.110 χ^2/NDF:23626.6/38

Out: -49.908+/-0.109 χ^2/NDF:25818.9/42

All: -49.810+/-0.077 χ^2/NDF: 49447.1/81



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: 1.551+/-0.102 χ^2/NDF:2335.7/22

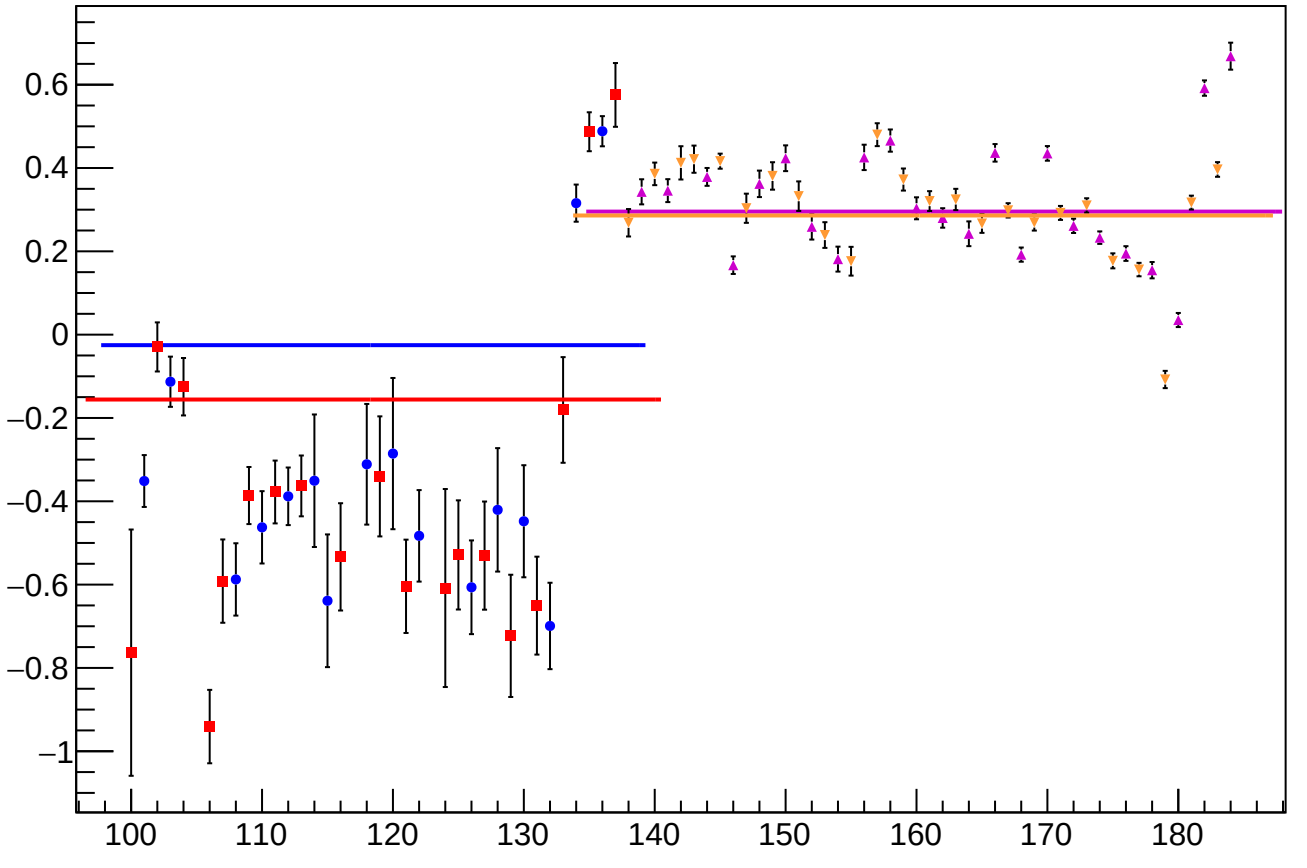
Left: 1.338+/-0.072 χ^2/NDF: 5713.2/46

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 1.832+/-0.098 χ^2/NDF:2844.6/38

Out: 1.329+/-0.098 χ^2/NDF:3714.3/42

All: 1.580+/-0.069 χ^2/NDF: 6572.1/81



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: 0.295+/-0.005 χ^2/NDF:1035.4/22

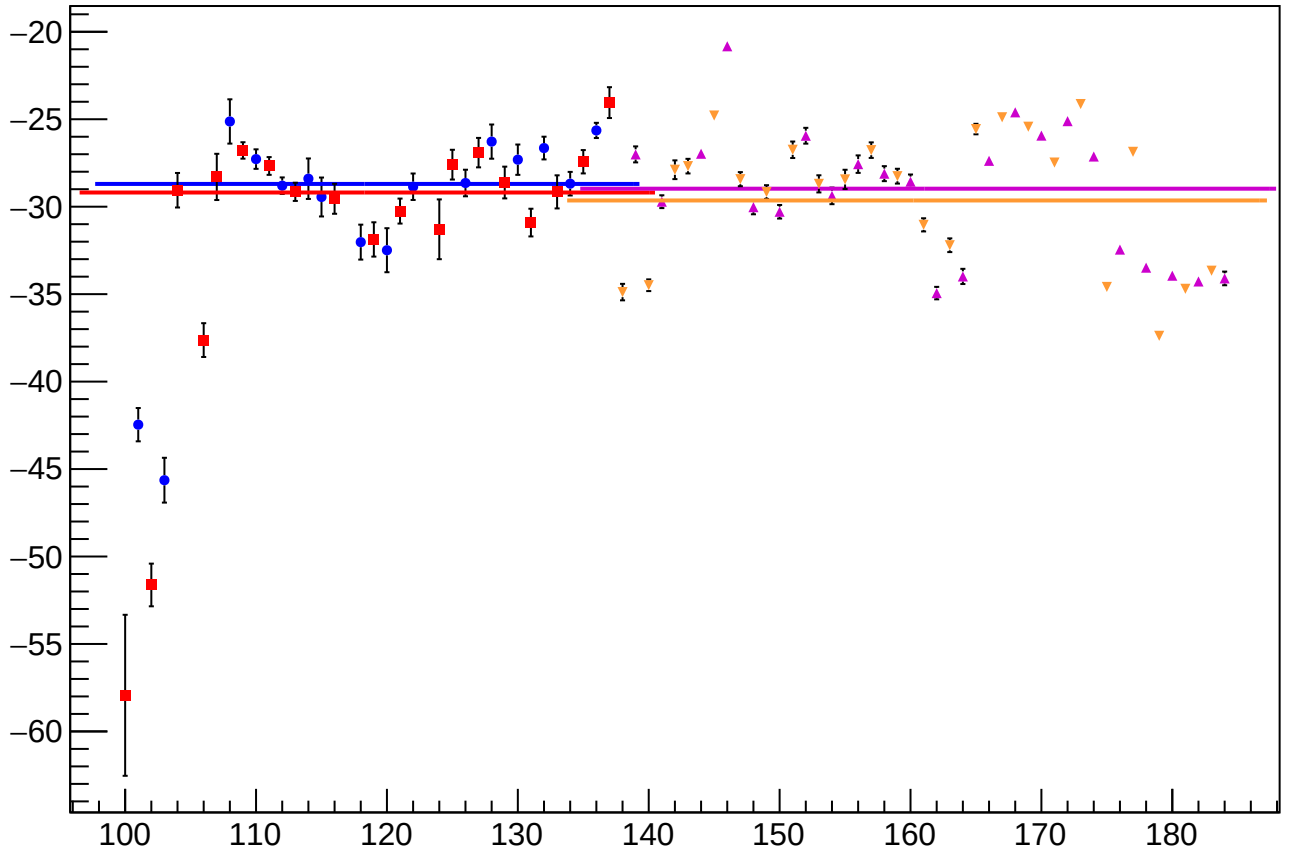
Left: 0.291+/-0.003 χ^2/NDF: 1726.4/46

Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.278+/-0.004 χ^2/NDF:1818.6/38

Out: 0.265+/-0.004 χ^2/NDF:1638.6/42

All: 0.271+/-0.003 χ^2/NDF: 3461.5/81



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: -28.971+/-0.057 χ^2/NDF:5348.6/22

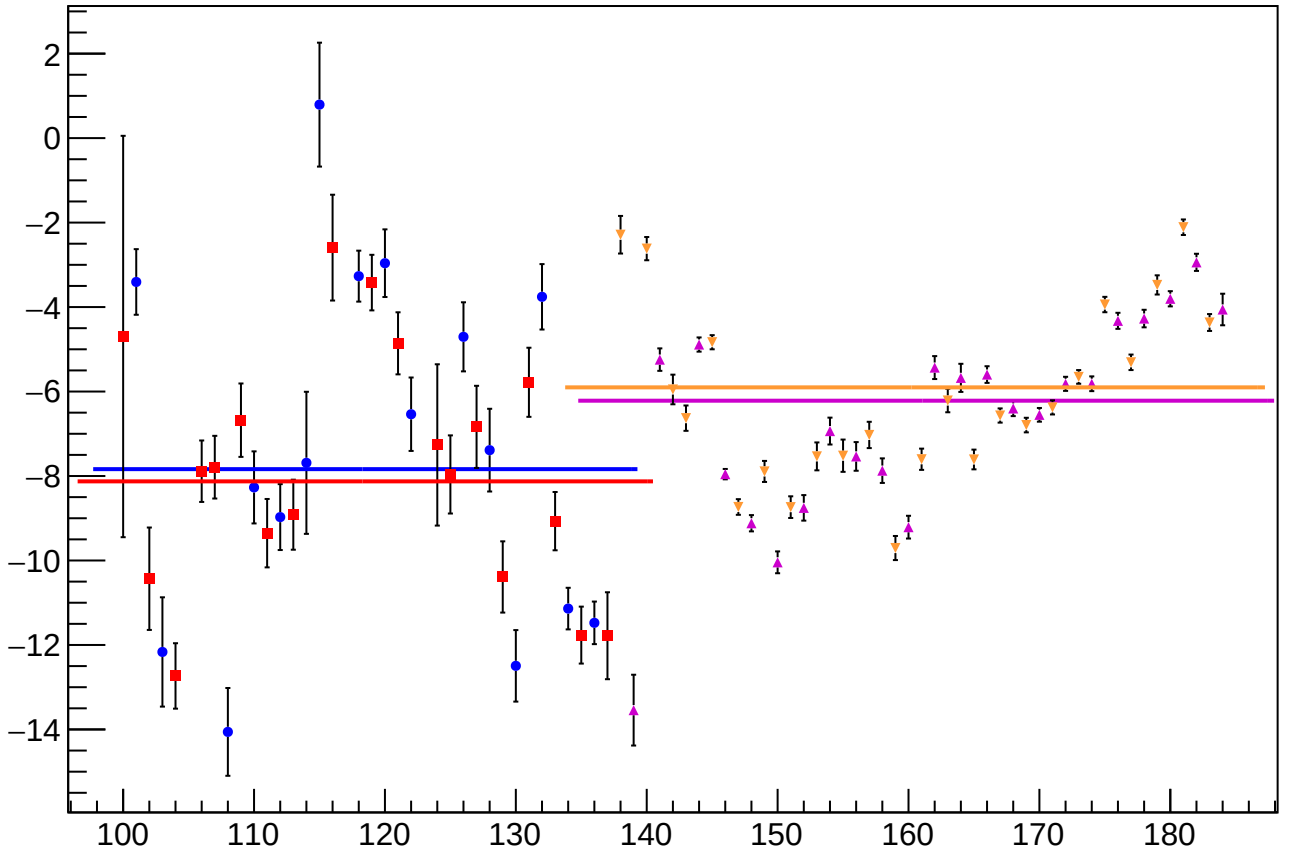
Left: -29.307+/-0.040 χ^2/NDF: 11298.6/46

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -28.947+/-0.054 χ^2/NDF:5837.8/38

Out: -29.603+/-0.054 χ^2/NDF:6443.4/42

All: -29.276+/-0.038 χ^2/NDF: 12353.6/81



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: -6.217+/-0.044 χ^2/NDF:1741.8/22

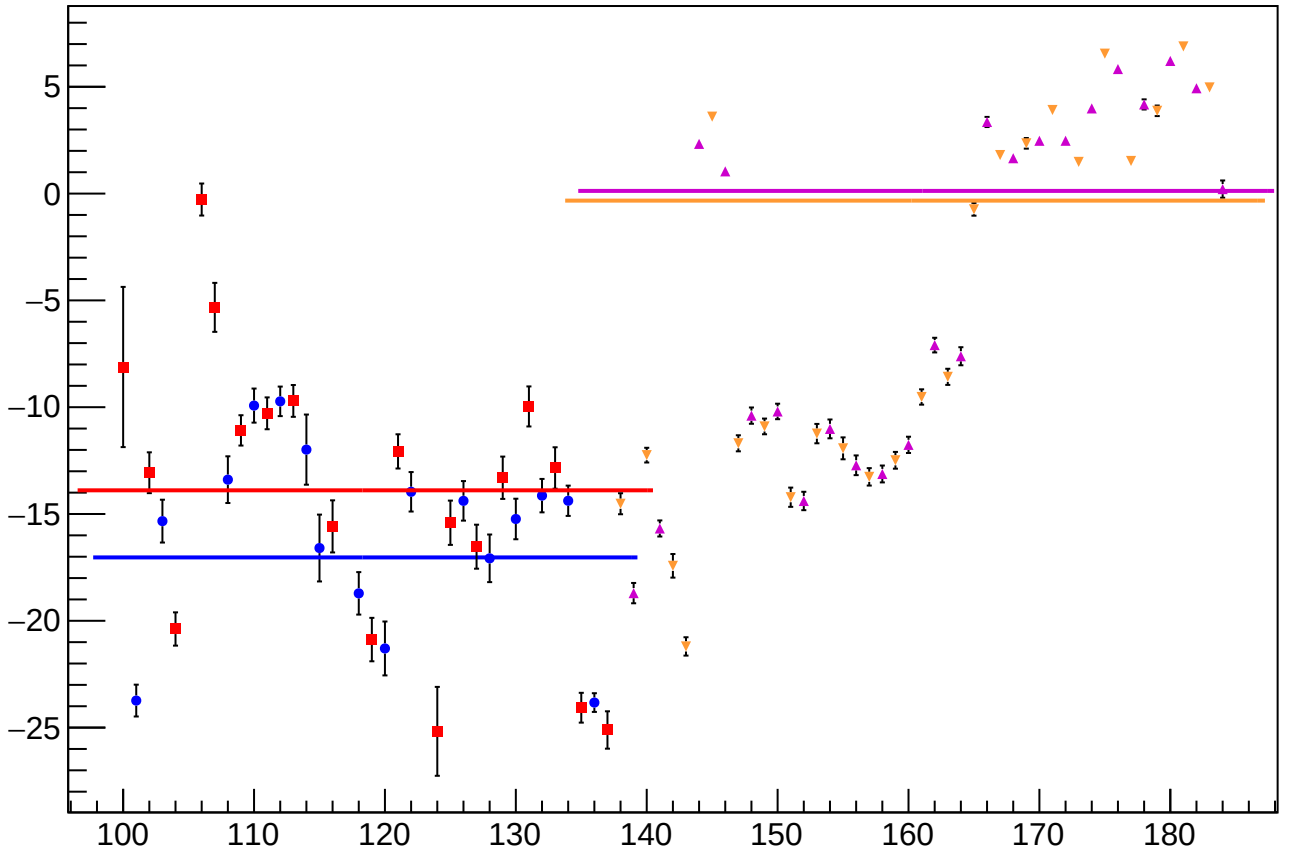
Left: -6.062+/-0.031 χ^2/NDF: 3552.3/46

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -6.296+/-0.043 χ^2/NDF:2190.7/38

Out: -6.011+/-0.044 χ^2/NDF:2104.5/42

All: -6.156+/-0.031 χ^2/NDF: 4316.6/81



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: 0.125+/-0.057 χ^2/NDF:13838.6/22

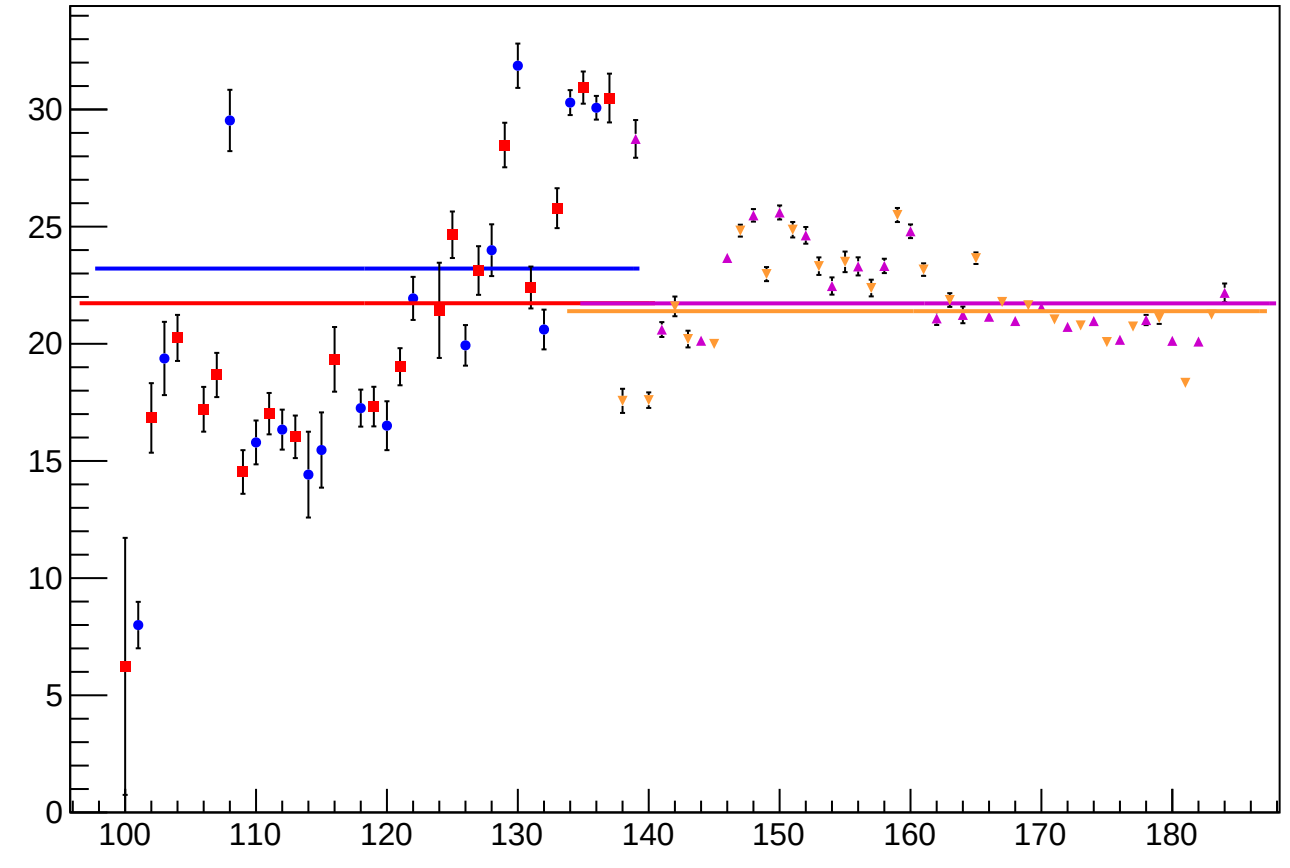
Left: -0.101+/-0.040 χ^2/NDF: 31044.7/46

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -1.059+/-0.055 χ^2/NDF:20692.1/38

Out: -1.272+/-0.055 χ^2/NDF:22098.3/42

All: -1.165+/-0.039 χ^2/NDF: 42797.9/81



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: 21.725+/-0.050 χ^2/NDF:1173.7/22

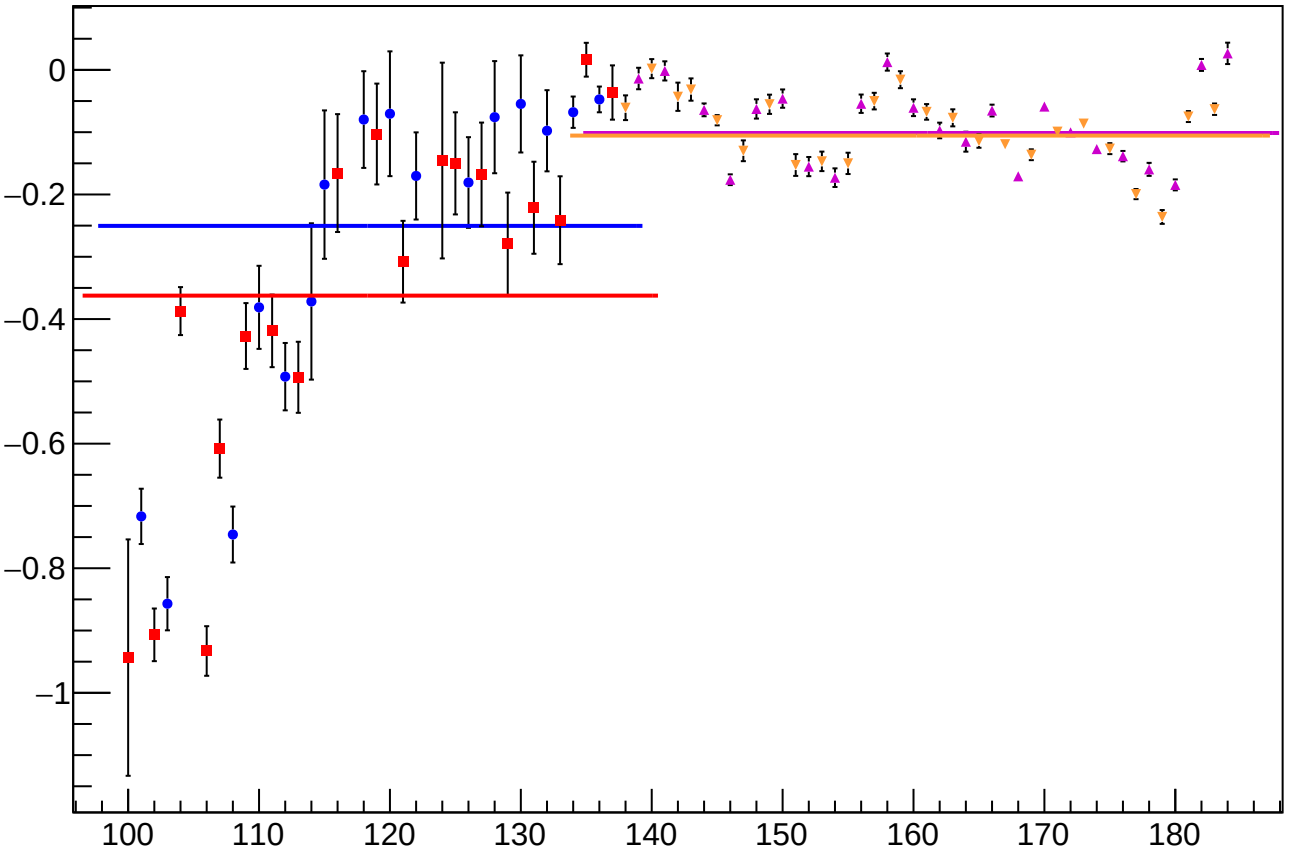
Left: 21.561+/-0.035 χ^2/NDF: 2469.1/46

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 21.798+/-0.048 χ^2/NDF:2226.1/38

Out: 21.409+/-0.049 χ^2/NDF:1833.5/42

All: 21.606+/-0.034 χ^2/NDF: 4091.7/81



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: -0.101+/-0.002 χ^2/NDF:757.6/22

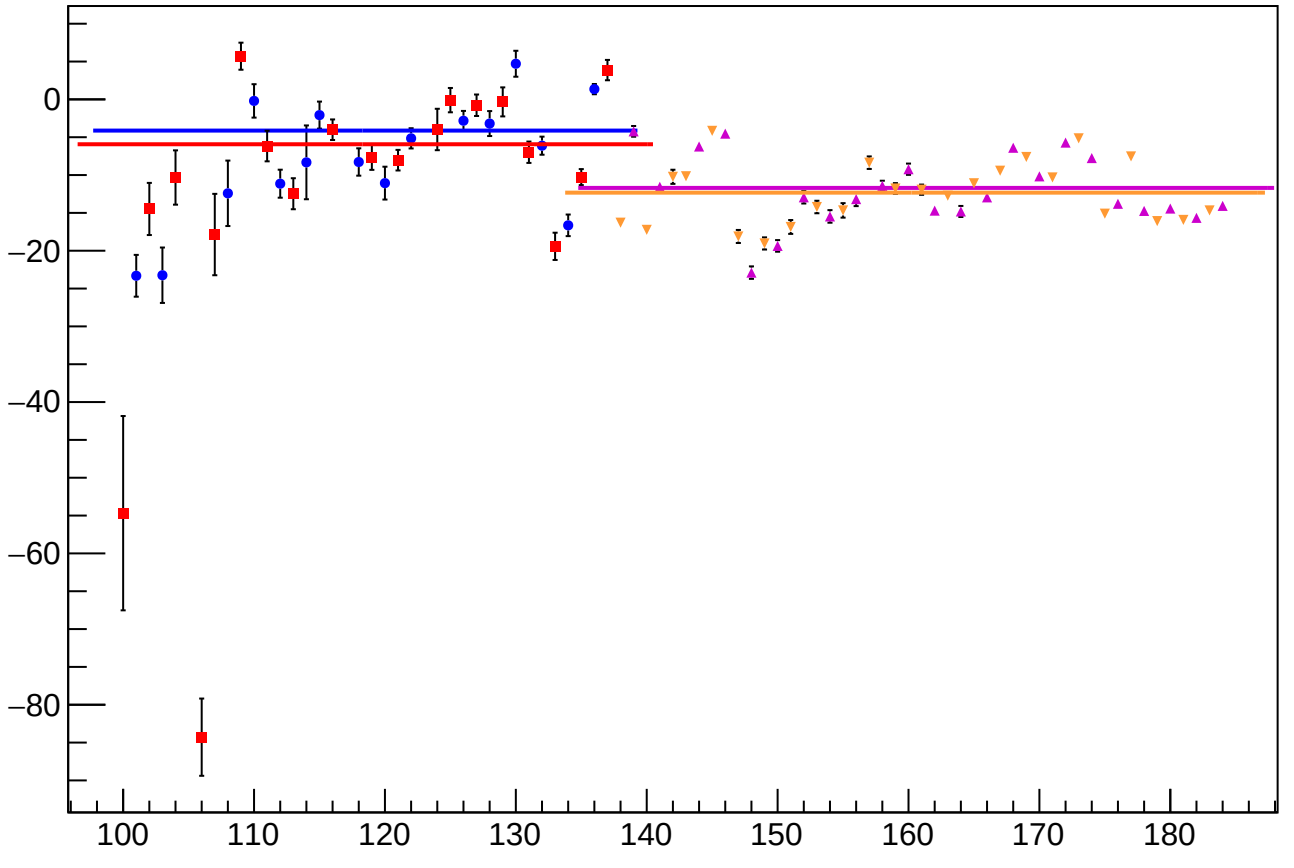
Left: -0.103+/-0.002 χ^2/NDF: 1288.0/46

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.107+/-0.002 χ^2/NDF:1548.9/38

Out: -0.114+/-0.002 χ^2/NDF:1652.1/42

All: -0.110+/-0.002 χ^2/NDF: 3206.2/81



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: -11.698+/-0.094 χ^2/NDF:1951.0/22

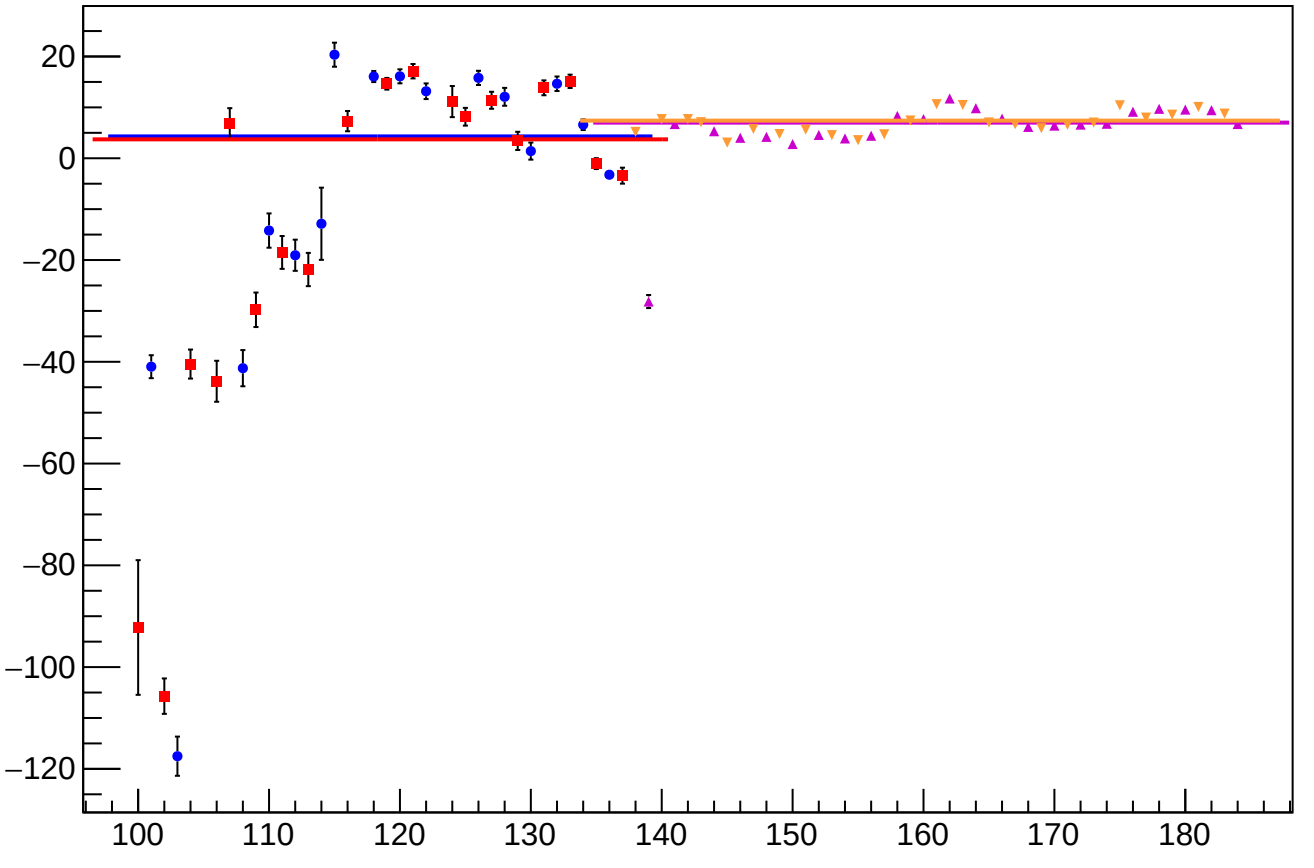
Left: -12.017+/-0.066 χ^2/NDF: 3967.4/46

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -11.263+/-0.092 χ^2/NDF:2610.0/38

Out: -12.011+/-0.091 χ^2/NDF:2710.5/42

All: -11.641+/-0.064 χ^2/NDF: 5354.2/81



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: 7.004+/-0.076 χ^2/NDF:1576.0/22

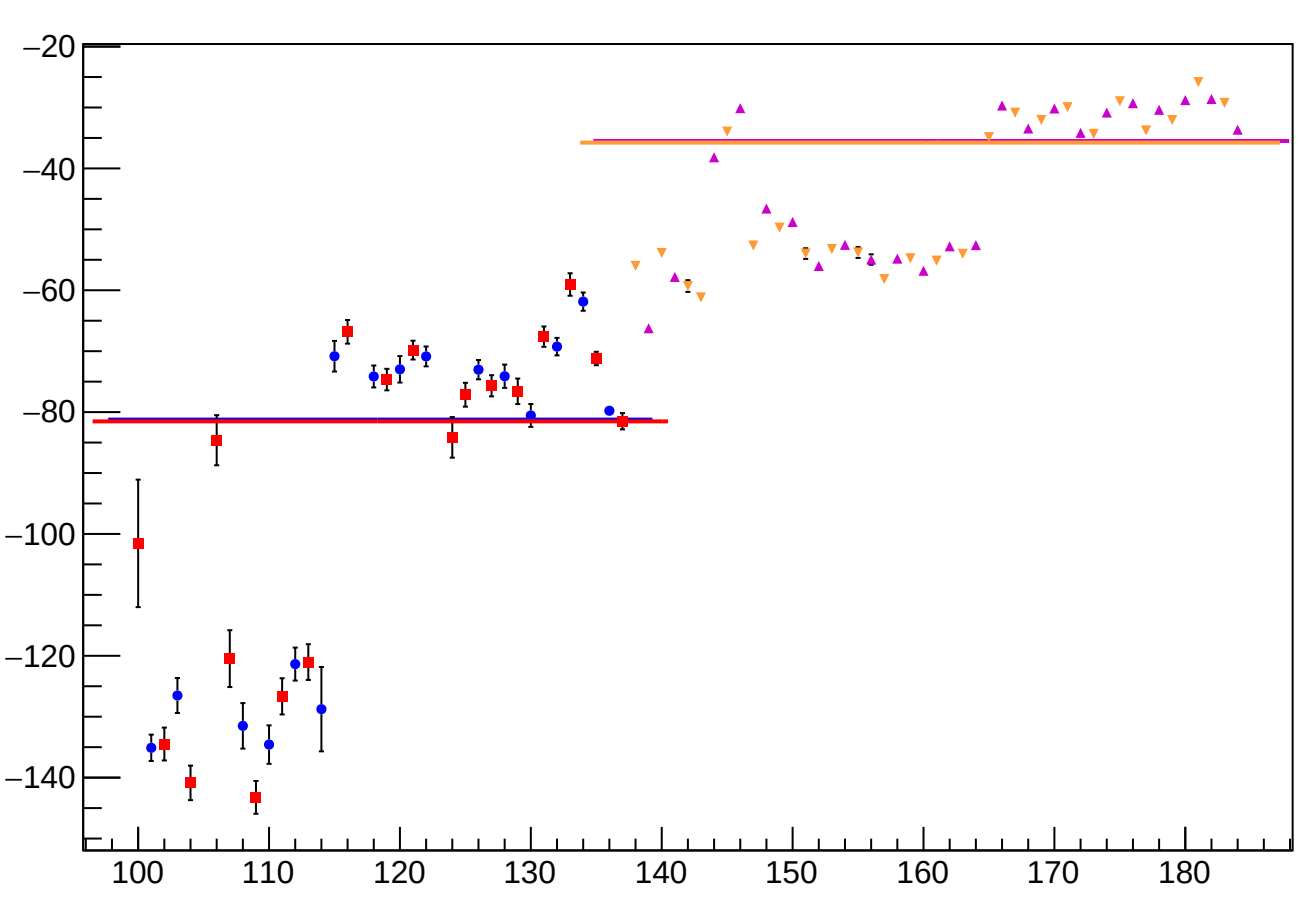
Left: 7.201+/-0.054 χ^2/NDF: 2347.4/46

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 6.903+/-0.075 χ^2/NDF:3792.9/38

Out: 7.281+/-0.075 χ^2/NDF:2838.8/42

All: 7.091+/-0.053 χ^2/NDF: 6644.5/81



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: -35.497+/-0.095 χ^2/NDF:11162.0/22

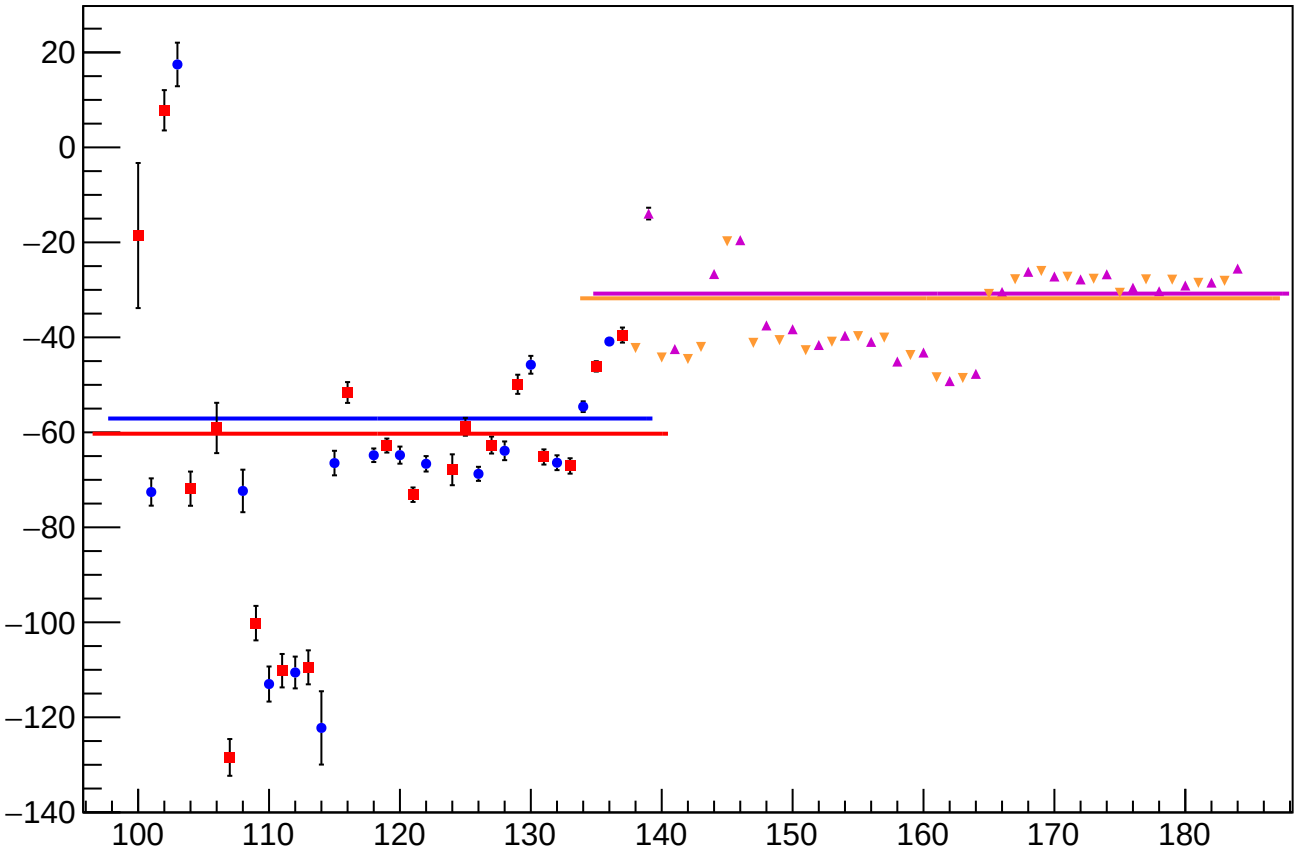
Left: -35.632+/-0.066 χ^2/NDF: 23921.3/46

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -37.736+/-0.092 χ^2/NDF:24581.7/38

Out: -37.567+/-0.092 χ^2/NDF:24488.3/42

All: -37.651+/-0.065 χ^2/NDF: 49071.7/81



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: -30.789+/-0.084 χ^2/NDF:7548.8/22

Left: -31.286+/-0.060 χ^2/NDF: 15741.6/46

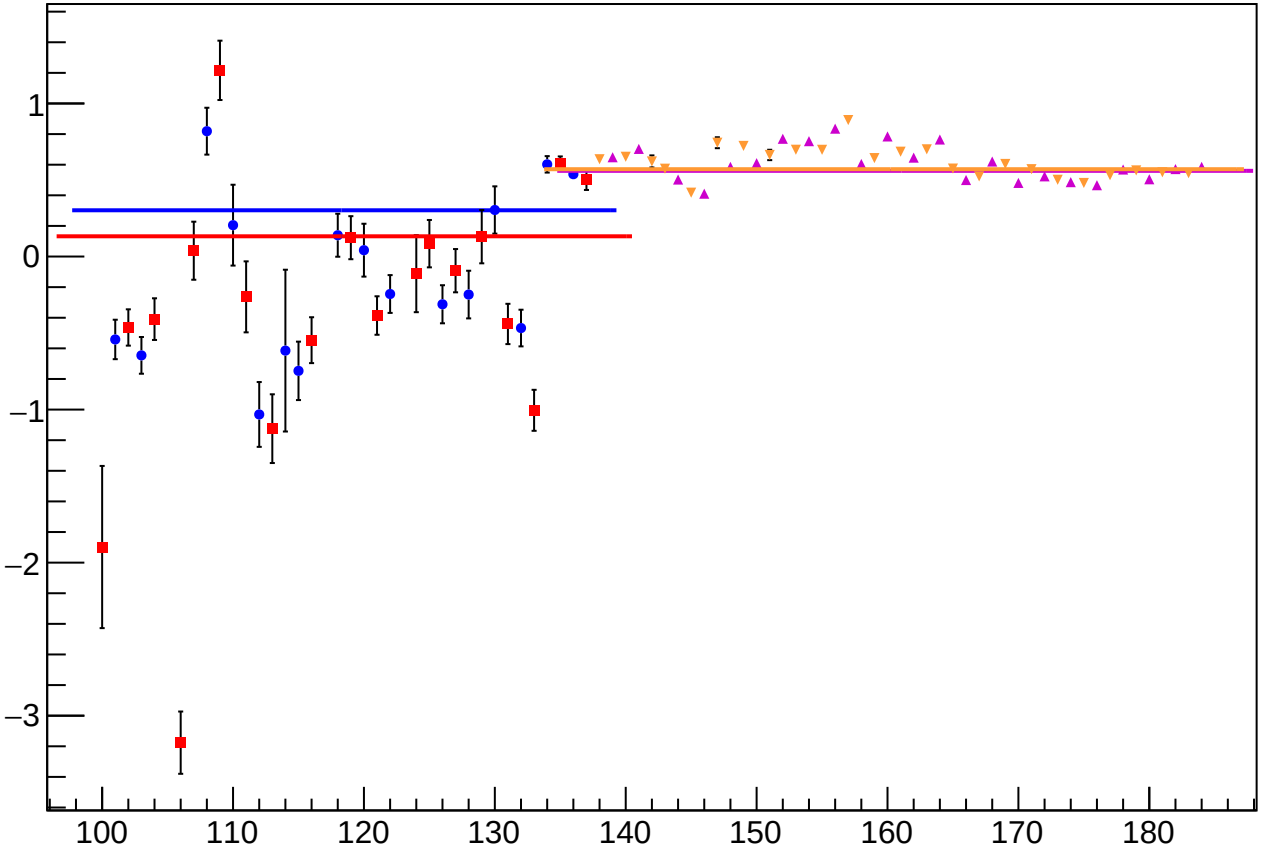
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -31.781+/-0.083 χ^2/NDF:12747.9/38

Out: -32.661+/-0.083 χ^2/NDF:13276.3/42

All: -32.221+/-0.058 χ^2/NDF: 26080.8/81

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: 0.560+/-0.004 χ^2/NDF:671.5/22

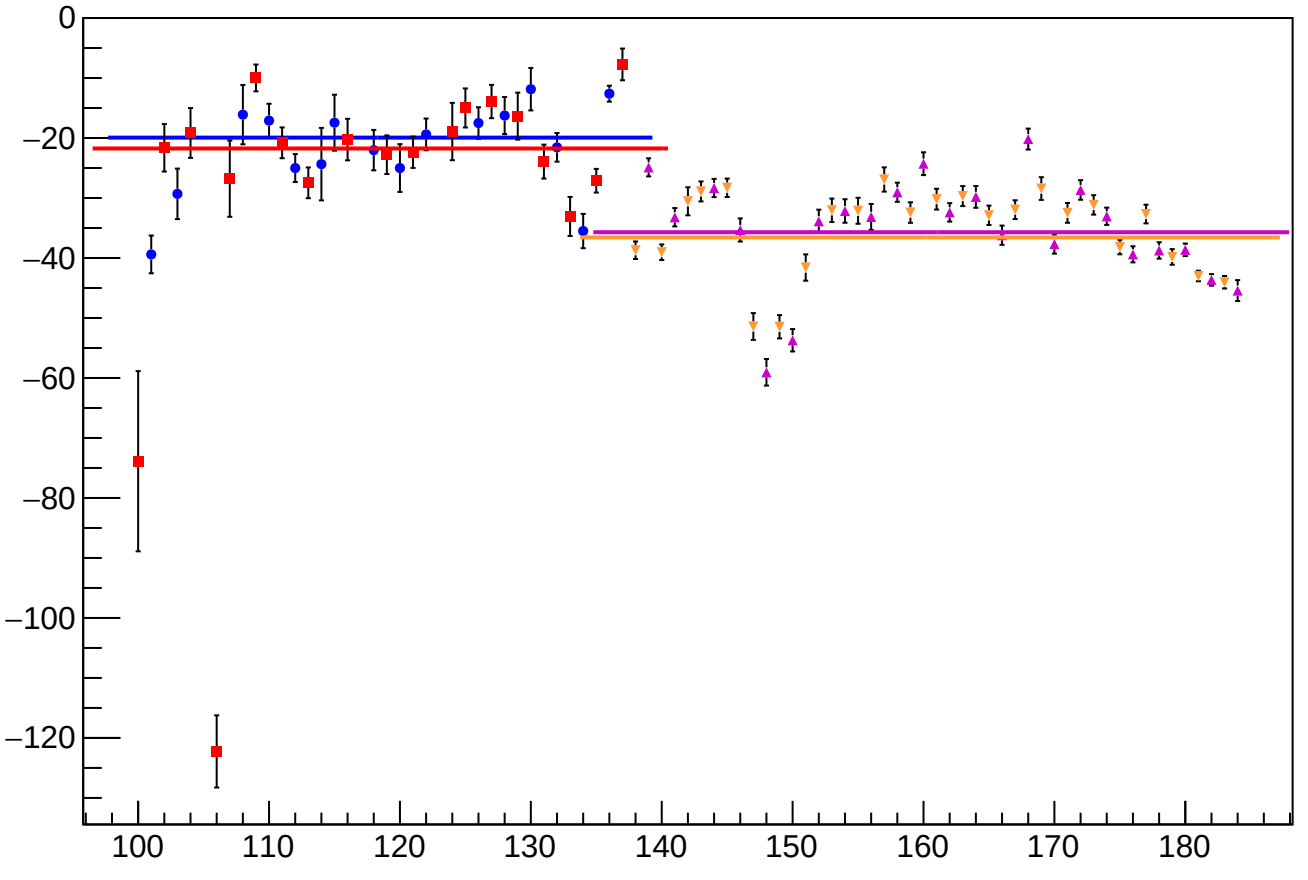
Left: 0.565+/-0.003 χ^2/NDF: 1219.3/46

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.553+/-0.004 χ^2/NDF:1169.1/38

Out: 0.562+/-0.004 χ^2/NDF:1484.5/42

All: 0.558+/-0.003 χ^2/NDF: 2656.5/81



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: -35.706+/-0.323 χ^2/NDF:578.6/22

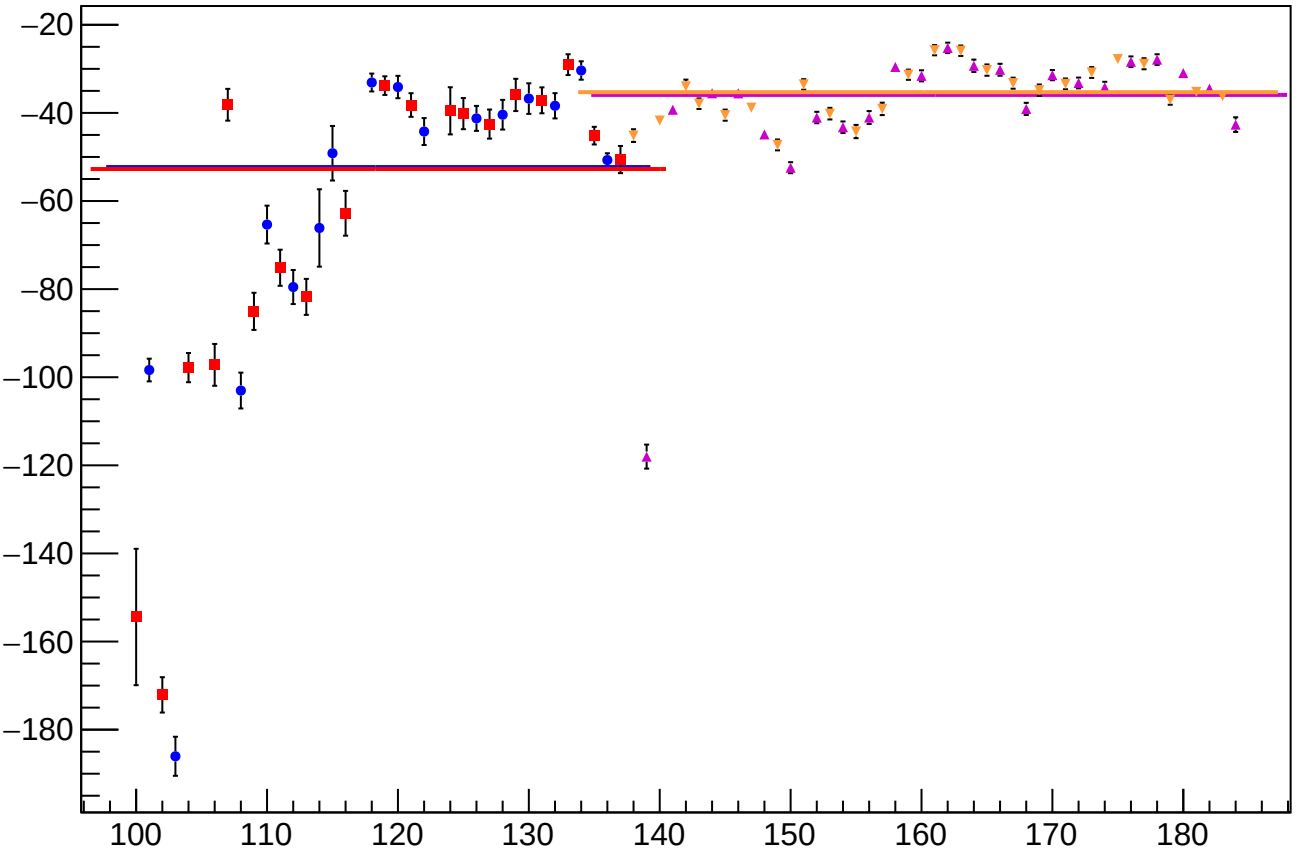
Left: -36.152+/-0.225 χ^2/NDF: 991.2/46

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -32.901+/-0.293 χ^2/NDF:1122.8/38

Out: -34.174+/-0.287 χ^2/NDF:1159.0/42

All: -33.551+/-0.205 χ^2/NDF: 2291.4/81



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: -35.913+/-0.256 χ^2/NDF:1543.1/22

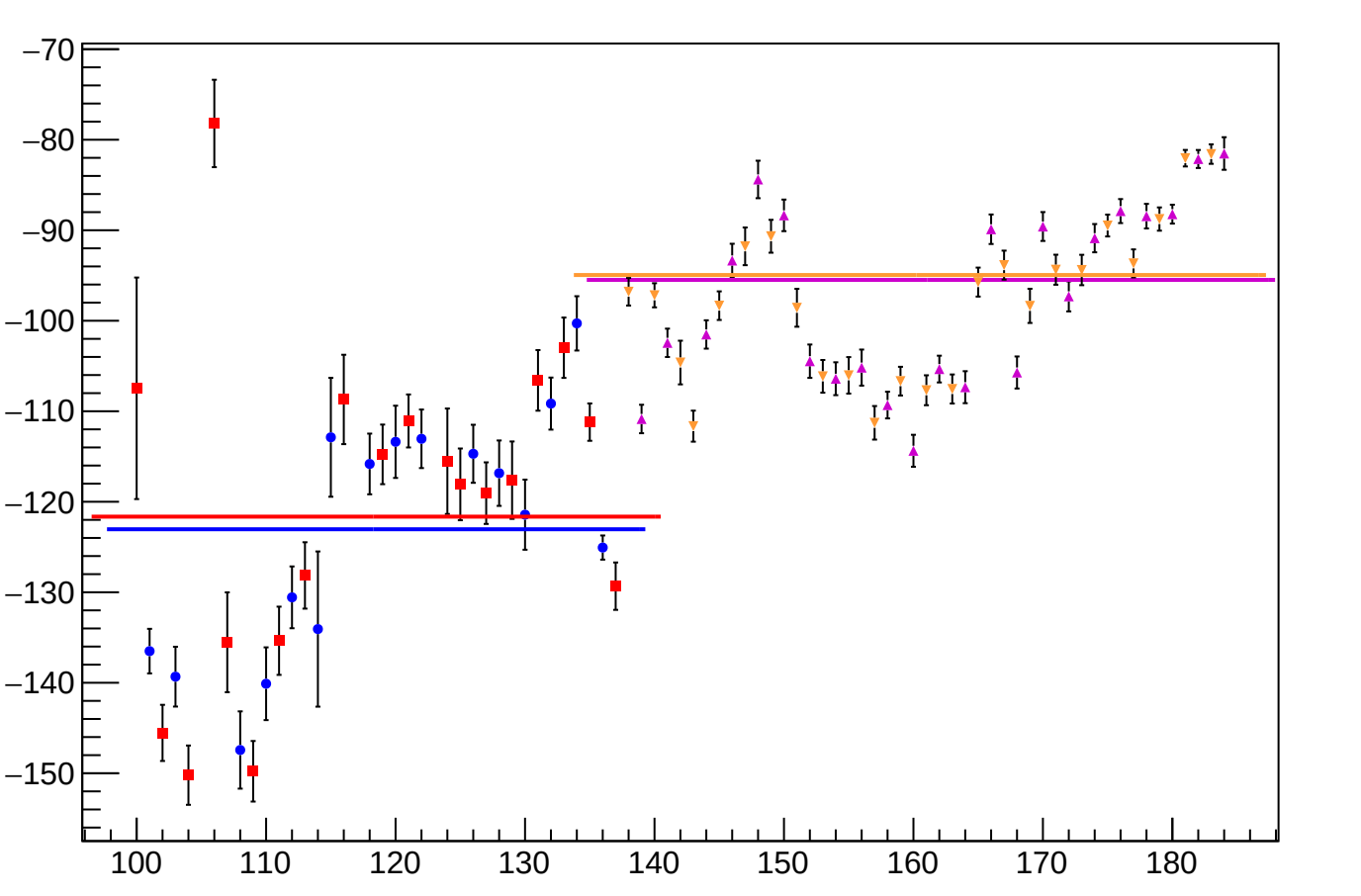
Left: -35.592+/-0.178 χ^2/NDF: 2062.9/46

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -37.809+/-0.241 χ^2/NDF:3794.7/38

Out: -37.007+/-0.235 χ^2/NDF:2669.4/42

All: -37.397+/-0.168 χ^2/NDF: 6469.7/81



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: -95.489+/-0.321 χ^2/NDF:970.1/22

Left: -95.211+/-0.224 χ^2/NDF: 1827.5/46

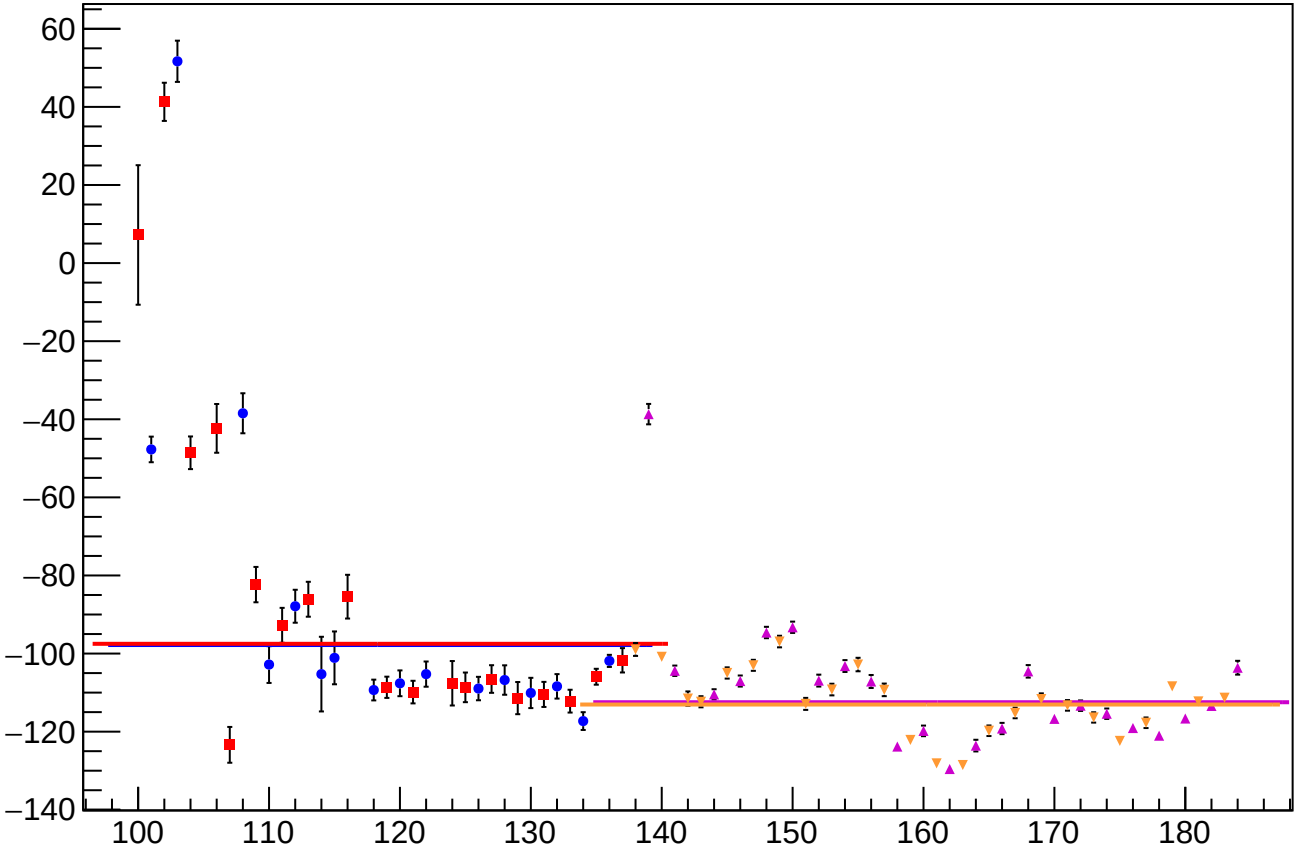
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -99.758+/-0.295 χ^2/NDF:2337.1/38

Out: -98.478+/-0.291 χ^2/NDF:2244.1/42

All: -99.110+/-0.207 χ^2/NDF: 4590.7/81

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: -112.465+/-0.285 χ^2/NDF:1788.6/22

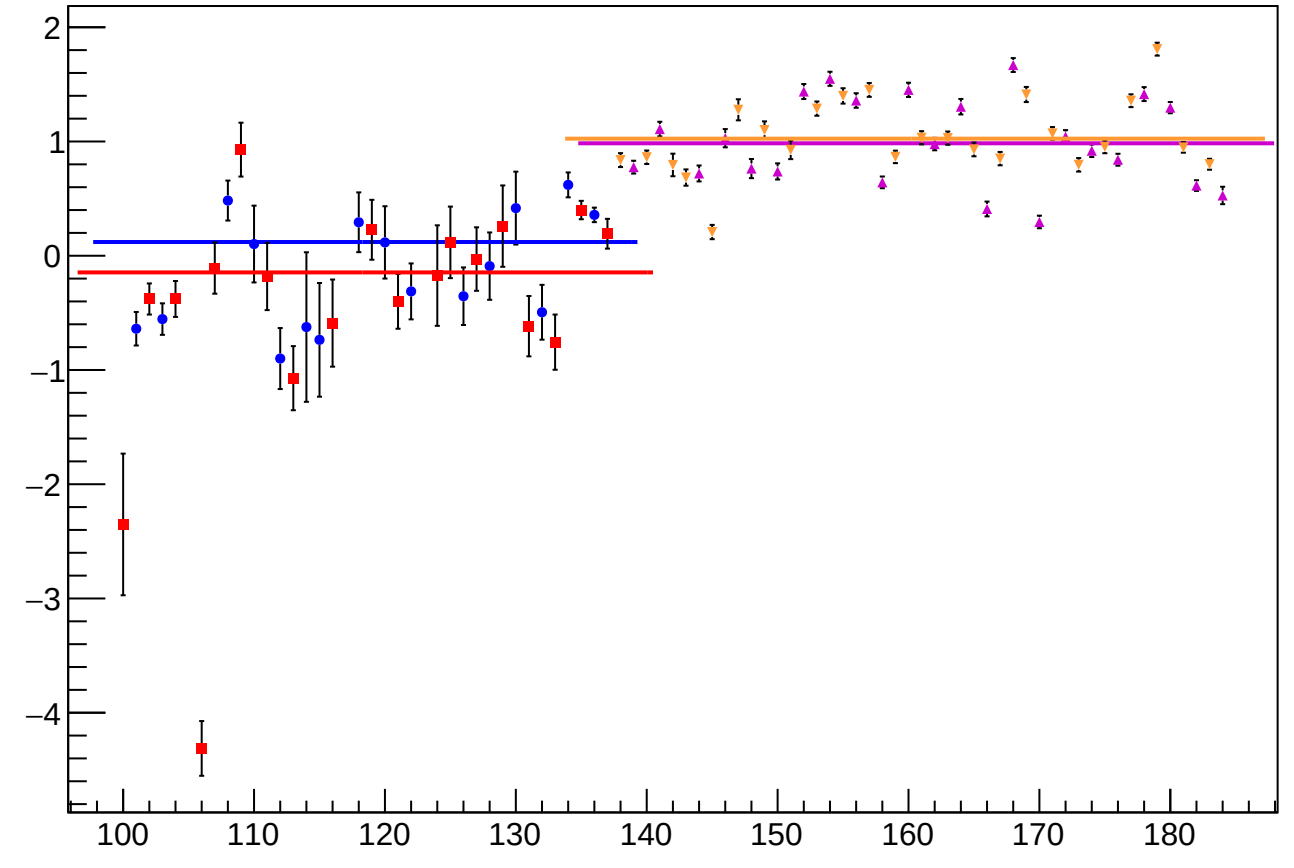
Left: -112.766+/-0.198 χ^2/NDF: 2682.3/46

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -110.791+/-0.268 χ^2/NDF:3421.7/38

Out: -111.537+/-0.263 χ^2/NDF:2435.2/42

All: -111.171+/-0.188 χ^2/NDF: 5860.9/81



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: 0.984+/-0.013 χ^2/NDF:900.0/22

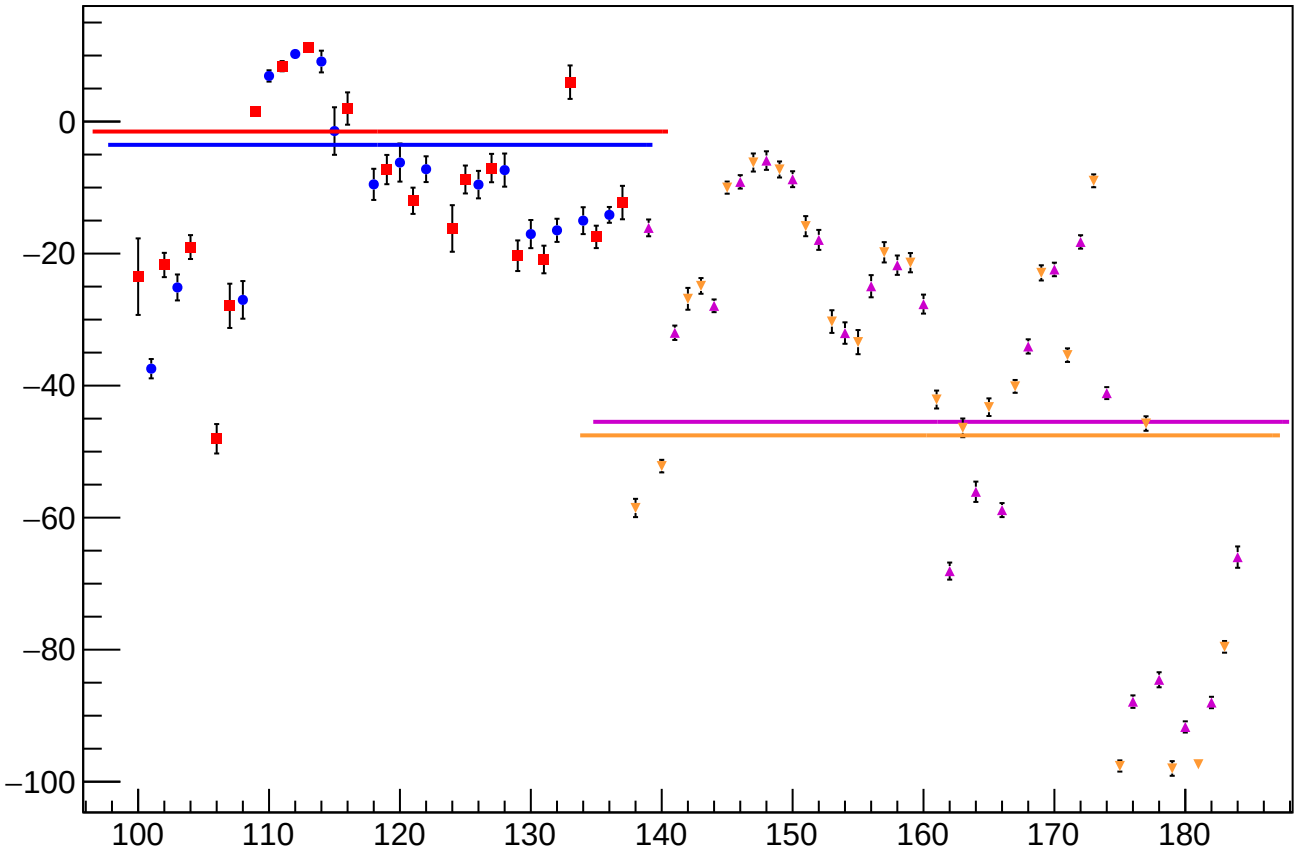
Left: 1.005+/-0.009 χ^2/NDF: 1551.4/46

Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.911+/-0.012 χ^2/NDF:1426.1/38

Out: 0.942+/-0.012 χ^2/NDF:1699.4/42

All: 0.926+/-0.008 χ^2/NDF: 3128.7/81



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: -45.487+/-0.238 χ^2/NDF:15571.1/22

Left: -46.535+/-0.166 χ^2/NDF: 34622.6/46

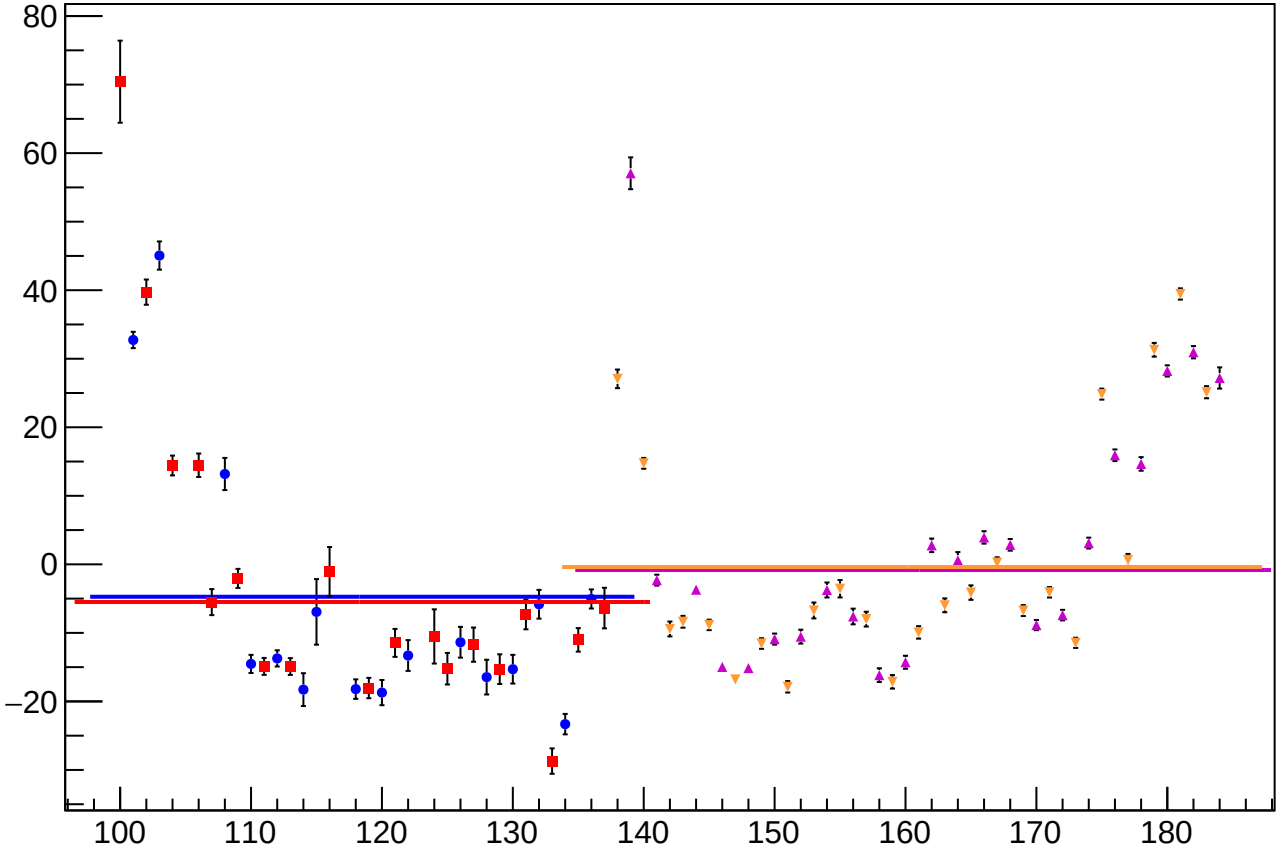
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -33.541+/-0.201 χ^2/NDF:25972.1/38

Out: -32.793+/-0.192 χ^2/NDF:33106.0/42

All: -33.149+/-0.139 χ^2/NDF: 59085.3/81

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: -0.828+/-0.183 χ^2/NDF:6116.6/22

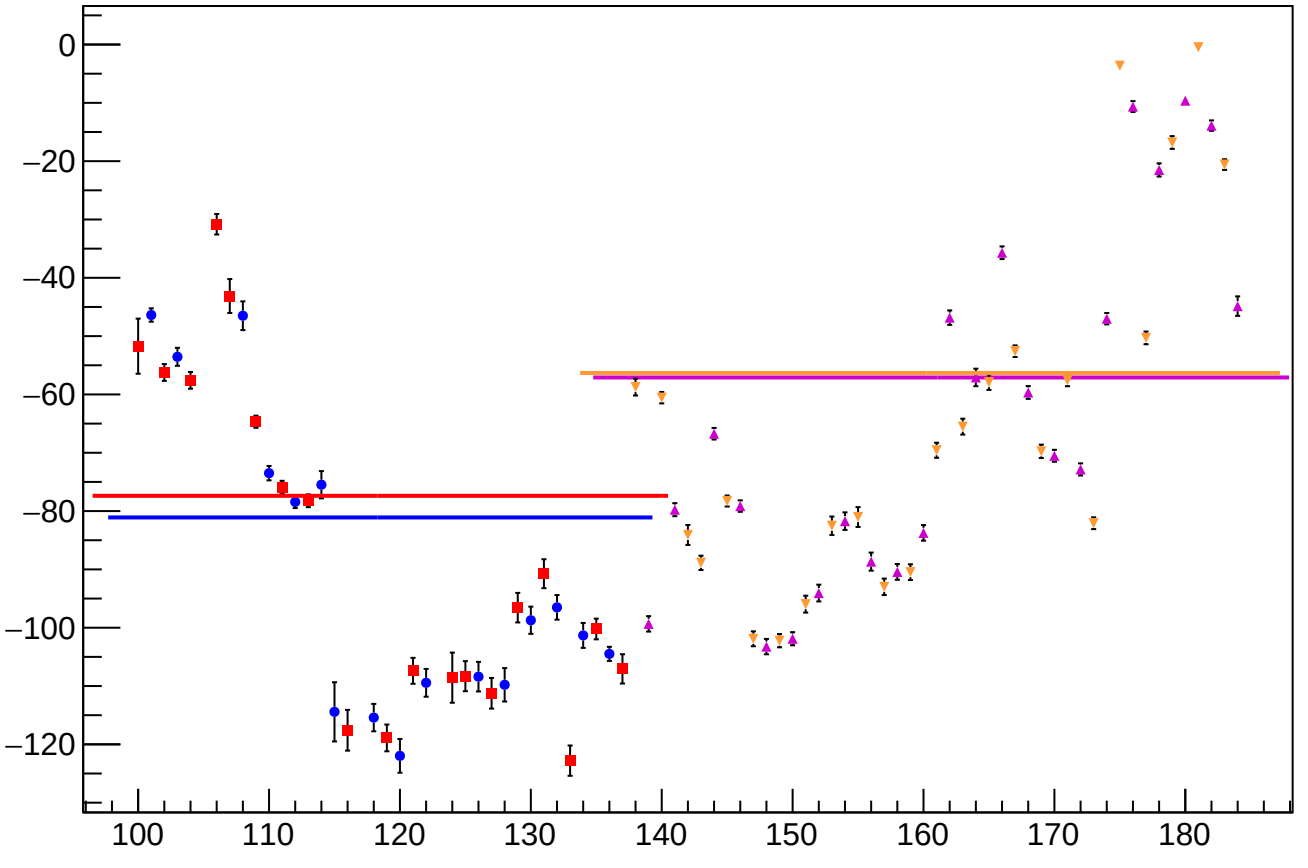
Left: -0.604+/-0.128 χ^2/NDF: 14505.8/46

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -1.425+/-0.168 χ^2/NDF:8334.0/38

Out: -1.165+/-0.165 χ^2/NDF:10018.8/42

All: -1.292+/-0.118 χ^2/NDF: 18354.0/81



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: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -56.697+/-0.166 χ^2/NDF: 36965.9/46

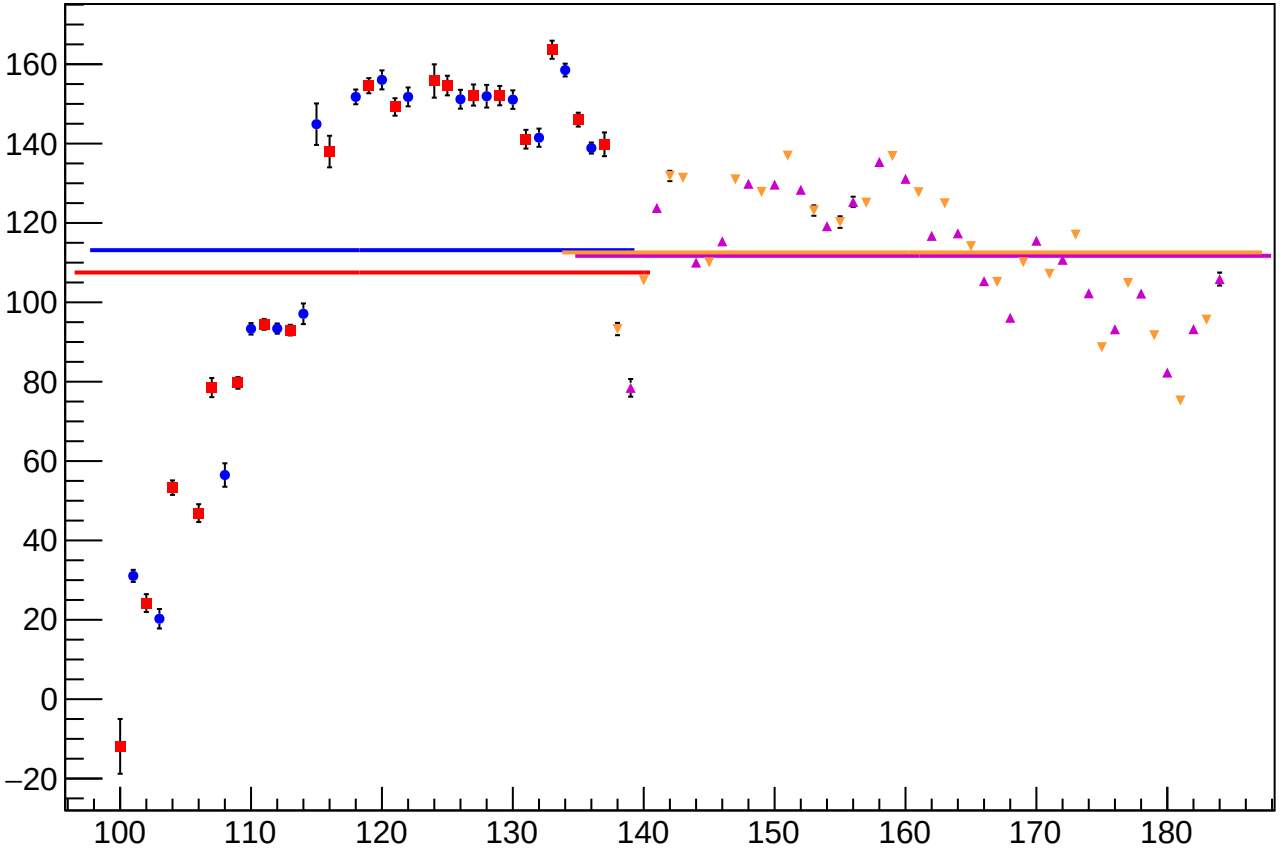
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -62.505+/-0.208 χ^2/NDF:22359.3/38

Out: -61.299+/-0.203 χ^2/NDF:24871.5/42

All: -61.886+/-0.145 χ^2/NDF: 47248.0/81

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: 111.720+/-0.206 χ^2/NDF:4896.8/22

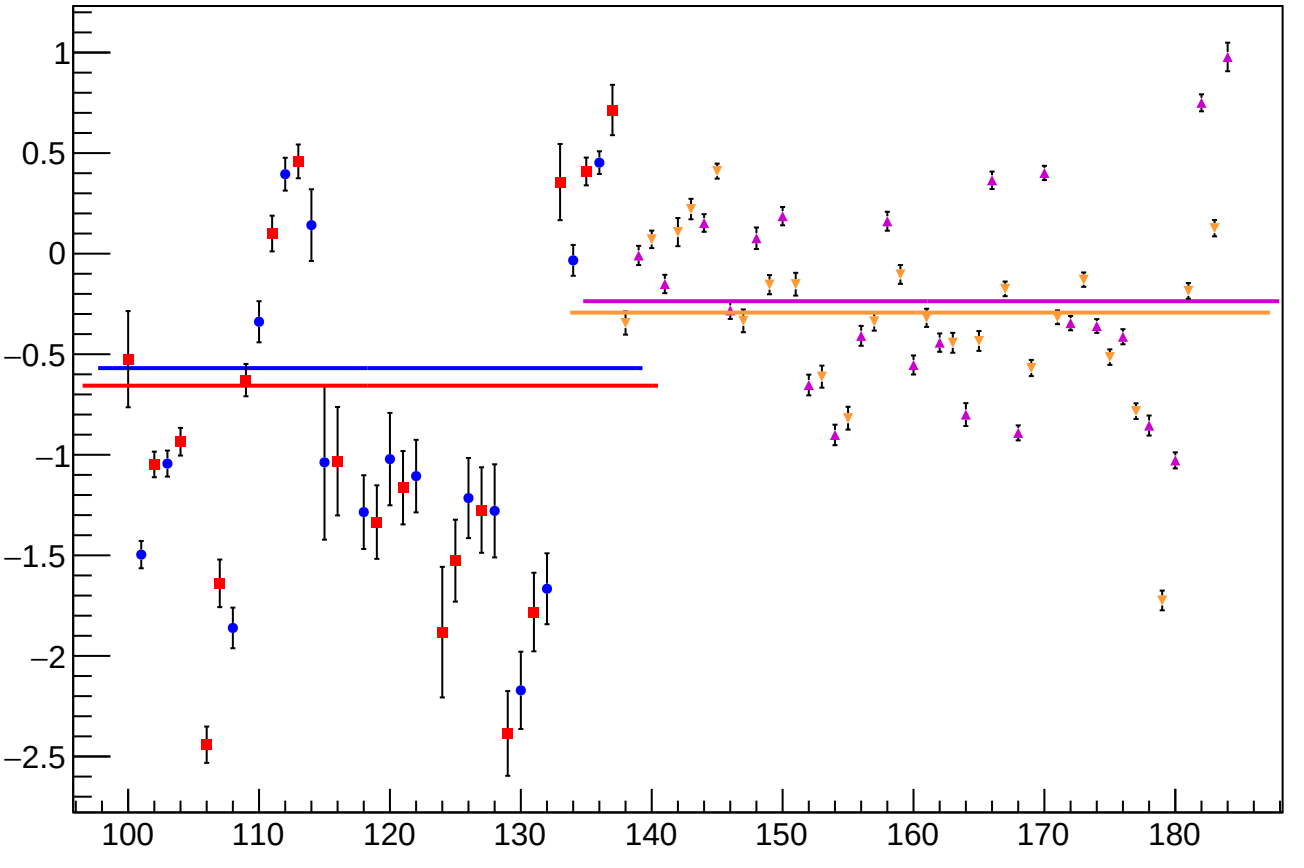
Left: 112.157+/-0.144 χ^2/NDF: 11610.4/46

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 111.934+/-0.190 χ^2/NDF:13108.1/38

Out: 111.815+/-0.186 χ^2/NDF:14343.5/42

All: 111.873+/-0.133 χ^2/NDF: 27451.8/81



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: -0.236+/-0.009 χ^2/NDF:2961.3/22

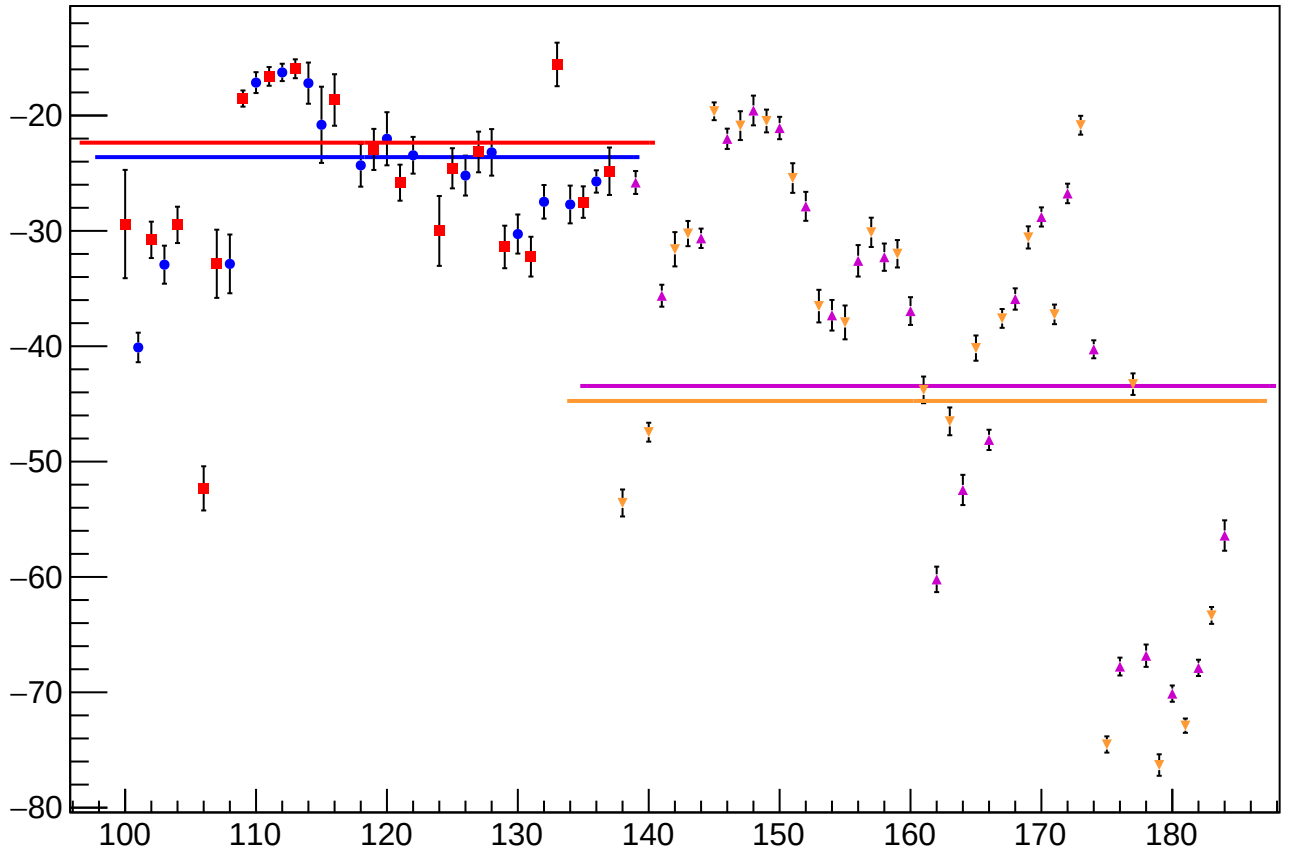
Left: -0.265+/-0.006 χ^2/NDF: 4950.9/46

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.274+/-0.009 χ^2/NDF:4206.3/38

Out: -0.335+/-0.009 χ^2/NDF:3469.4/42

All: -0.305+/-0.006 χ^2/NDF: 7700.9/81



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: -43.444+/-0.199 χ^2/NDF:7820.5/22

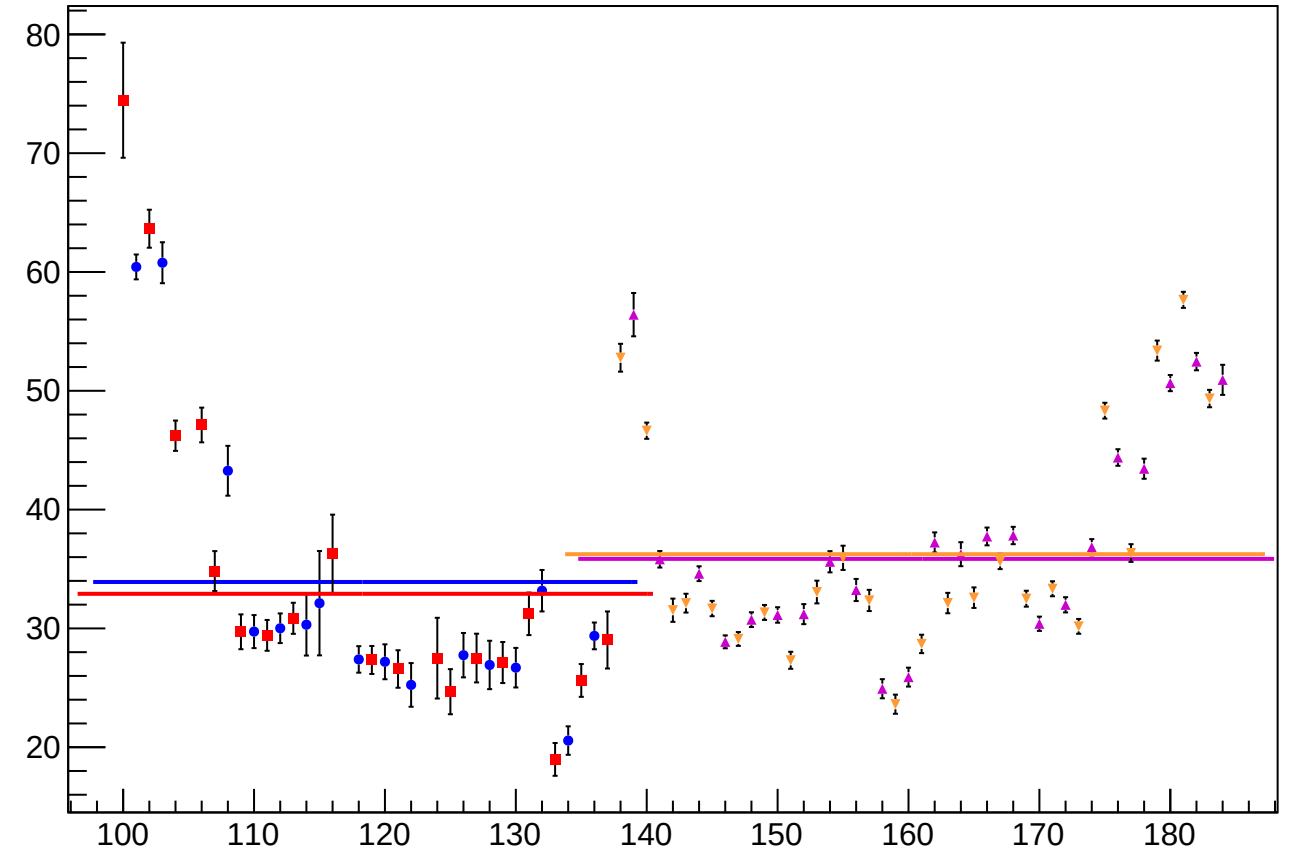
Left: -44.106+/-0.139 χ^2/NDF: 17624.3/46

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -38.573+/-0.173 χ^2/NDF:10674.1/38

Out: -38.728+/-0.167 χ^2/NDF:13874.7/42

All: -38.653+/-0.120 χ^2/NDF: 24549.3/81



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: 35.852+/-0.155 χ^2/NDF:2293.5/22

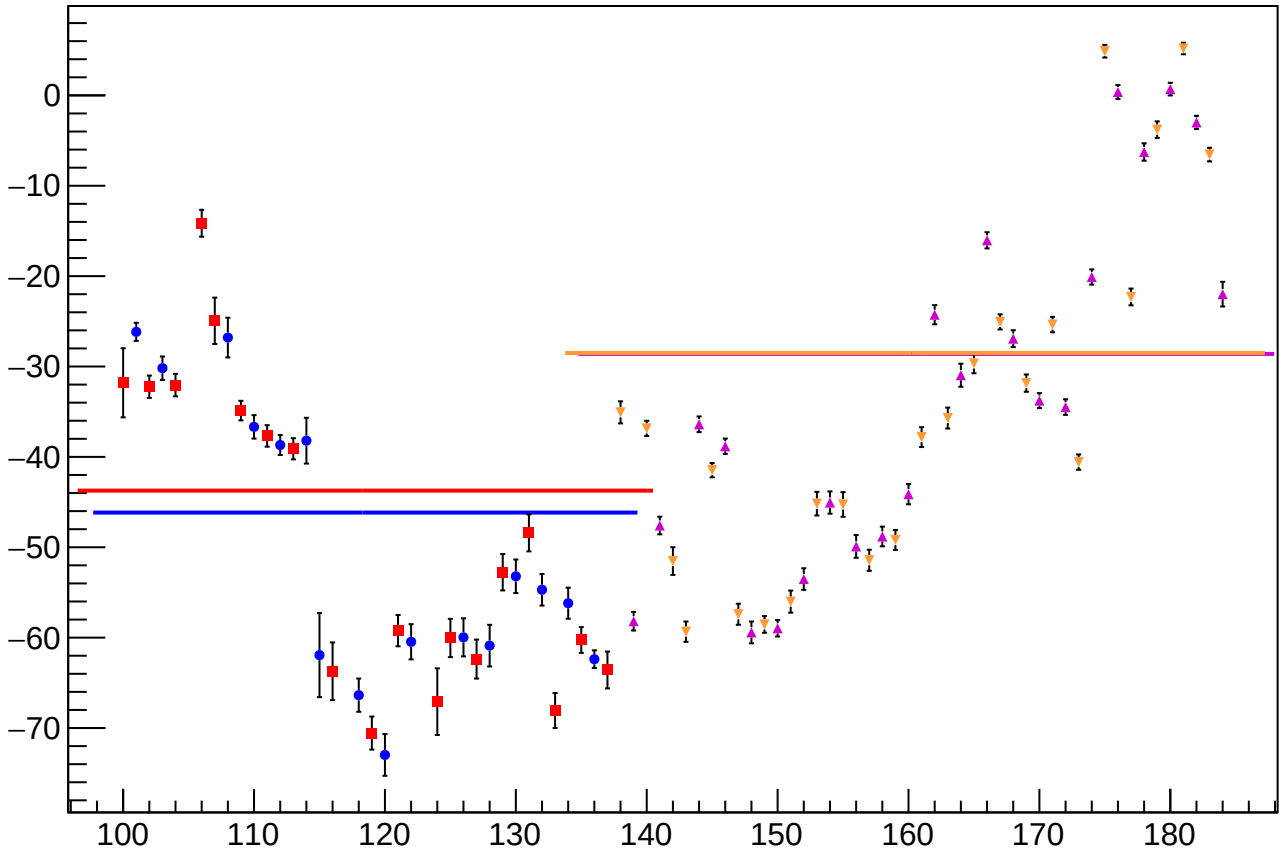
Left: 36.054+/-0.108 χ^2/NDF: 5816.1/46

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 35.569+/-0.143 χ^2/NDF:3500.8/38

Out: 35.774+/-0.140 χ^2/NDF:4463.0/42

All: 35.674+/-0.100 χ^2/NDF: 7964.9/81



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -28.502+/-0.195 χ^2/NDF:11586.2/23

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

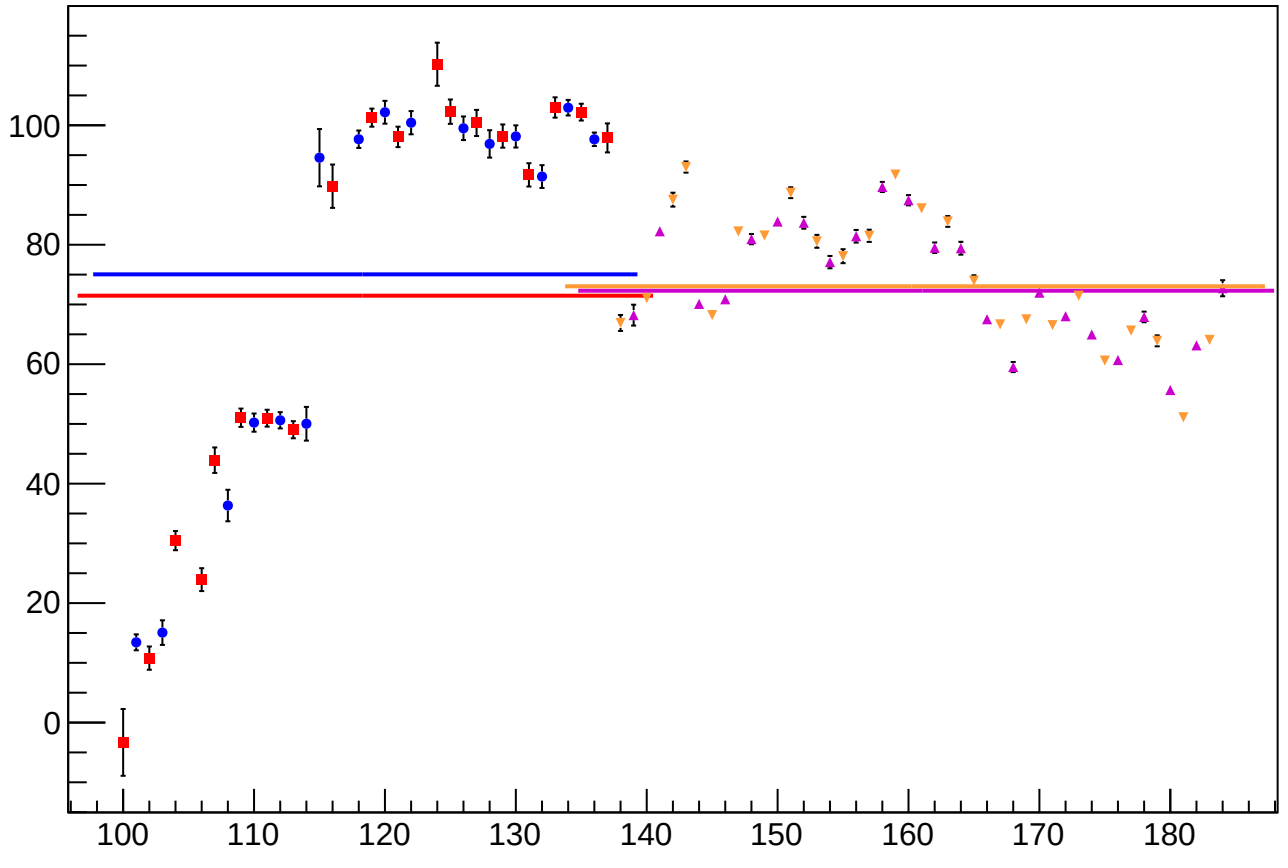
Left: -28.553+/-0.139 χ^2/NDF: 21601.1/46

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -32.198+/-0.176 χ^2/NDF:13117.3/38

Out: -31.689+/-0.173 χ^2/NDF:14530.9/42

All: -31.939+/-0.124 χ^2/NDF: 27652.5/81



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: 72.302+/-0.173 χ^2/NDF:2912.6/22

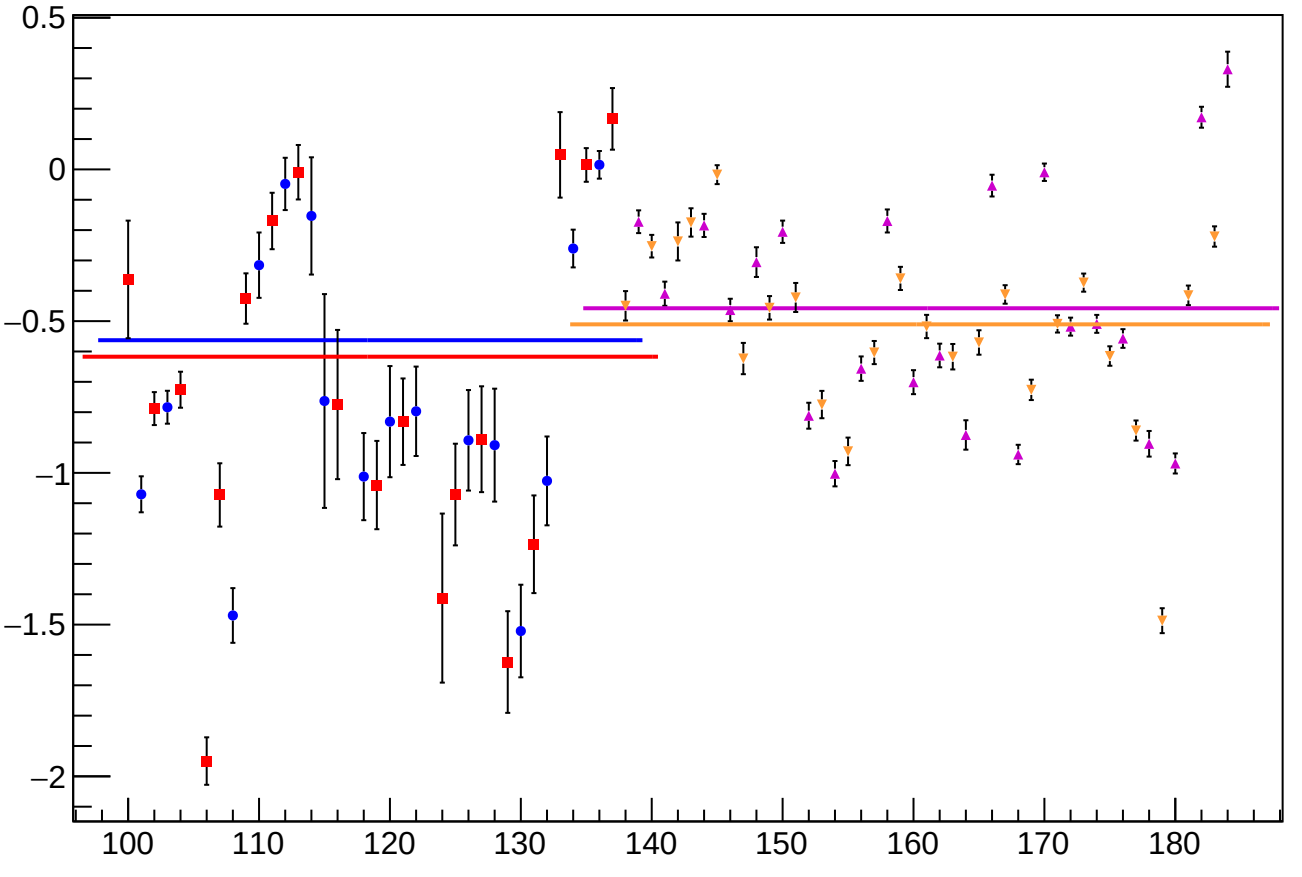
Left: 72.679+/-0.121 χ^2/NDF: 6971.3/46

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 72.690+/-0.161 χ^2/NDF:8776.1/38

Out: 72.825+/-0.158 χ^2/NDF:9689.5/42

All: 72.758+/-0.113 χ^2/NDF: 18466.0/81



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: -0.458+/-0.008 χ^2/NDF:2103.1/22

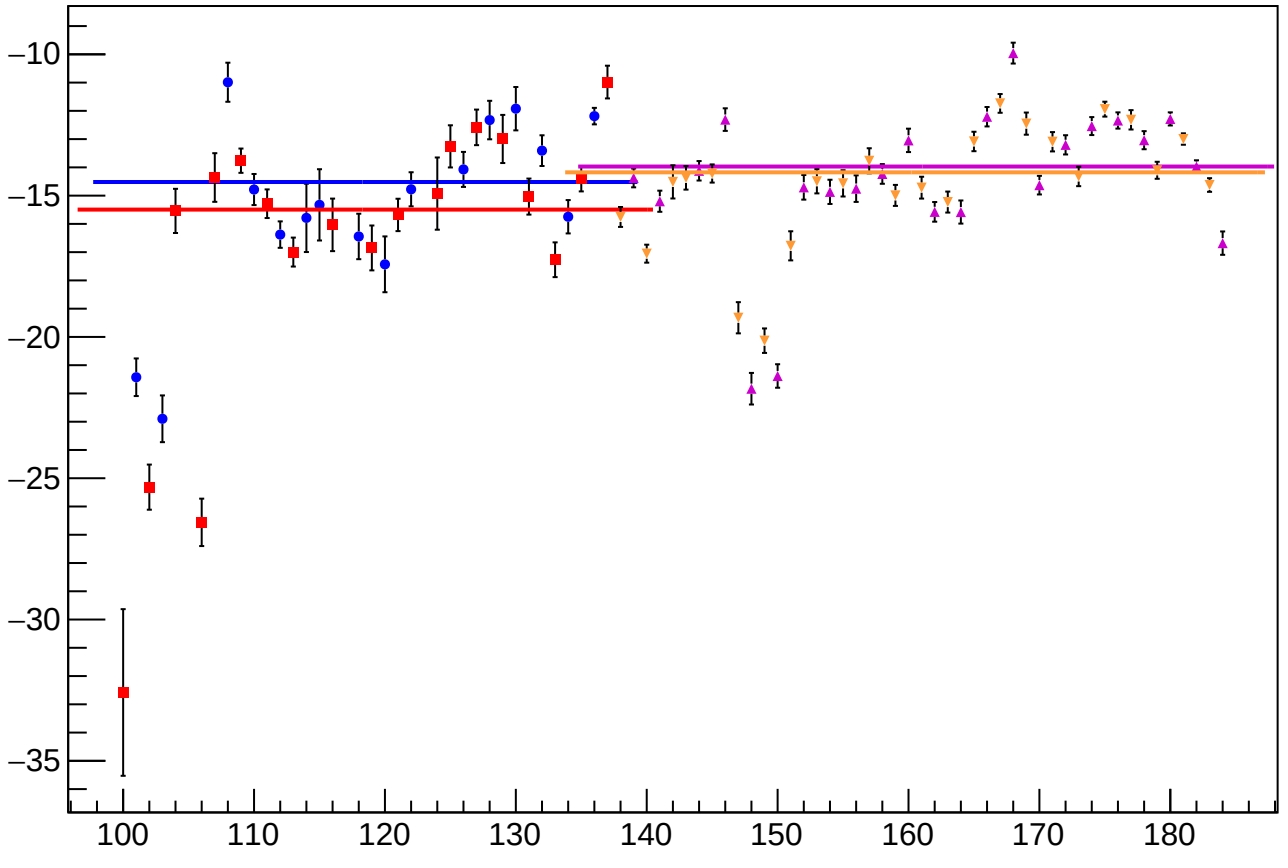
Left: -0.484+/-0.005 χ^2/NDF: 3500.7/46

Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.469+/-0.007 χ^2/NDF:2616.1/38

Out: -0.522+/-0.007 χ^2/NDF:2084.3/42

All: -0.495+/-0.005 χ^2/NDF: 4727.4/81



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: -13.970+/-0.072 χ^2/NDF:907.7/22

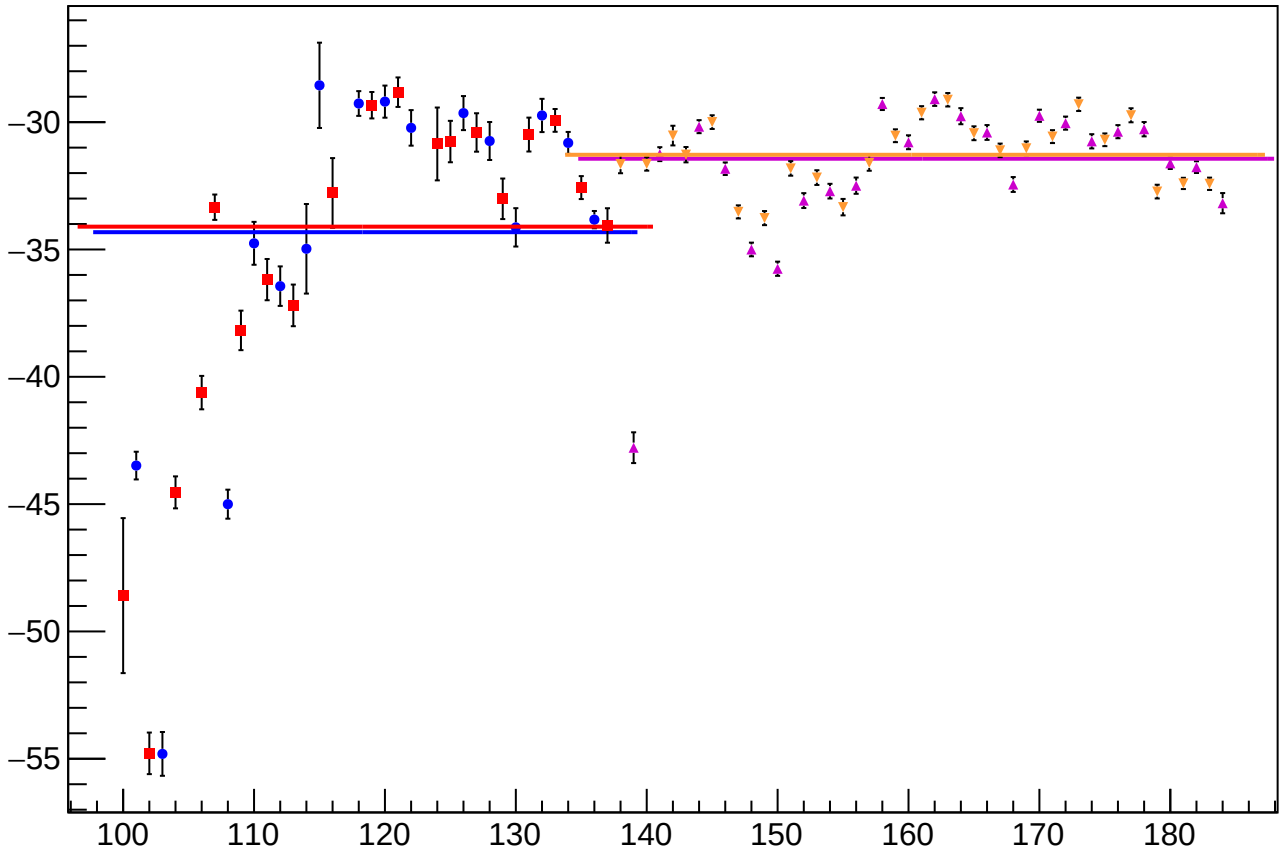
Left: -14.075+/-0.050 χ^2/NDF: 1565.3/46

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.073+/-0.065 χ^2/NDF:1282.0/38

Out: -14.414+/-0.064 χ^2/NDF:1220.5/42

All: -14.246+/-0.045 χ^2/NDF: 2516.6/81



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: -31.436+/-0.057 χ^2/NDF:1214.8/22

Left: -31.356+/-0.040 χ^2/NDF: 1764.8/46

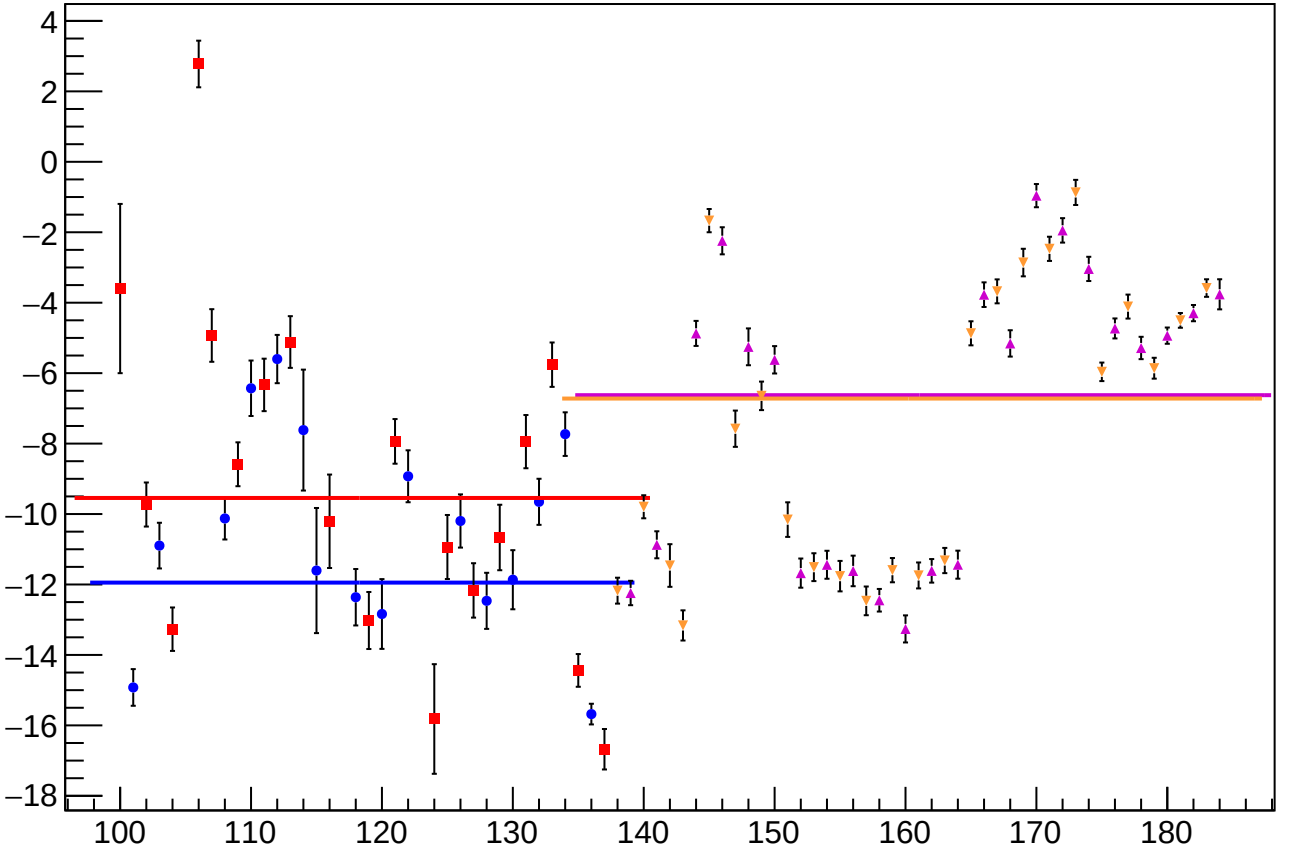
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -31.790+/-0.054 χ^2/NDF:3146.1/38

Out: -31.607+/-0.052 χ^2/NDF:2277.6/42

All: -31.696+/-0.037 χ^2/NDF: 5429.6/81

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: -6.625+/-0.071 χ^2/NDF:2908.0/22

Left: -6.674+/-0.050 χ^2/NDF: 5798.3/46

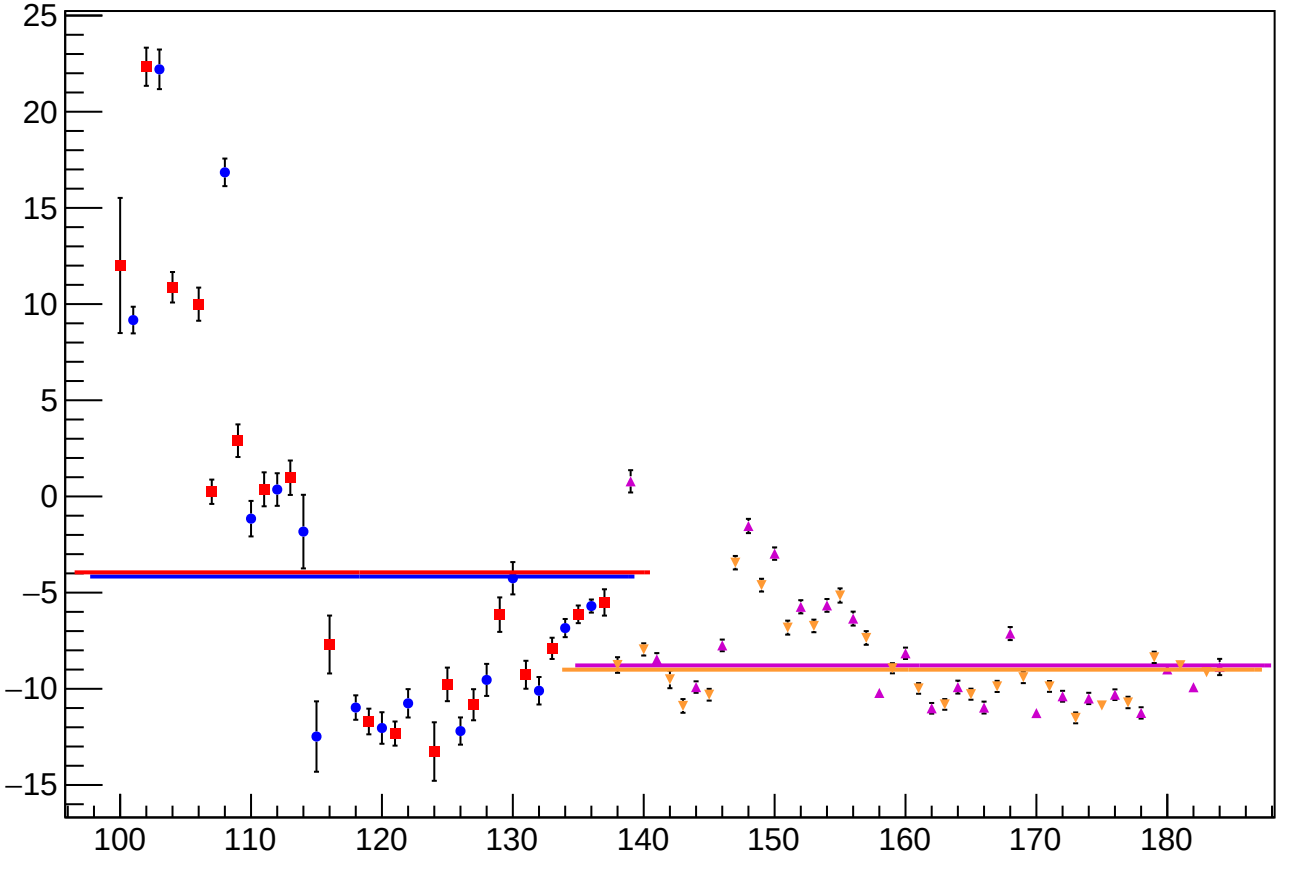
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -7.508+/-0.065 χ^2/NDF:4259.0/38

Out: -7.153+/-0.065 χ^2/NDF:3983.7/42

All: -7.329+/-0.046 χ^2/NDF: 8257.7/81

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: -8.785+/-0.063 χ^2/NDF:1685.0/22

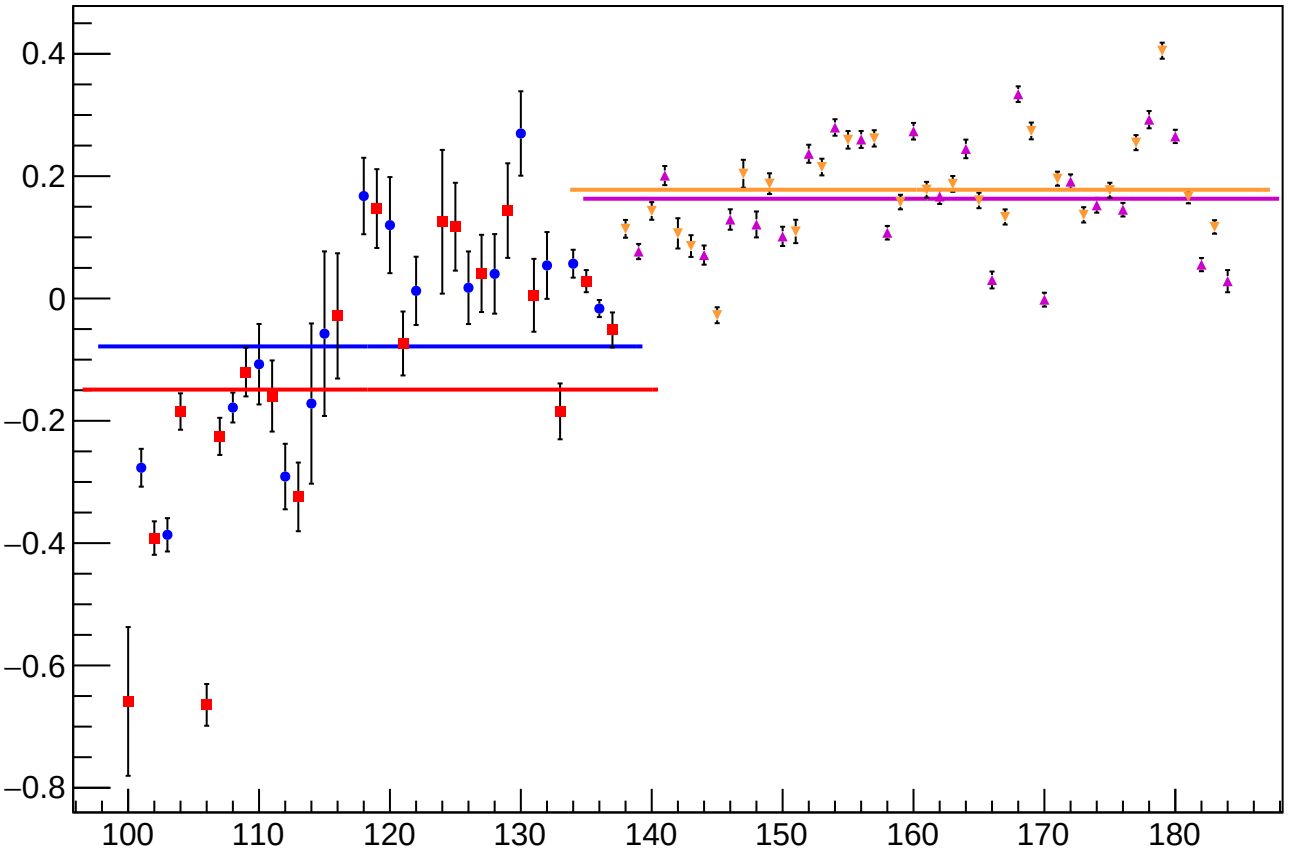
Left: -8.898+/-0.044 χ^2/NDF: 2652.8/46

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -8.232+/-0.059 χ^2/NDF:4846.3/38

Out: -8.446+/-0.059 χ^2/NDF:3806.3/42

All: -8.341+/-0.042 χ^2/NDF: 8659.2/81



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: 0.163+/-0.003 χ^2/NDF:1195.1/22

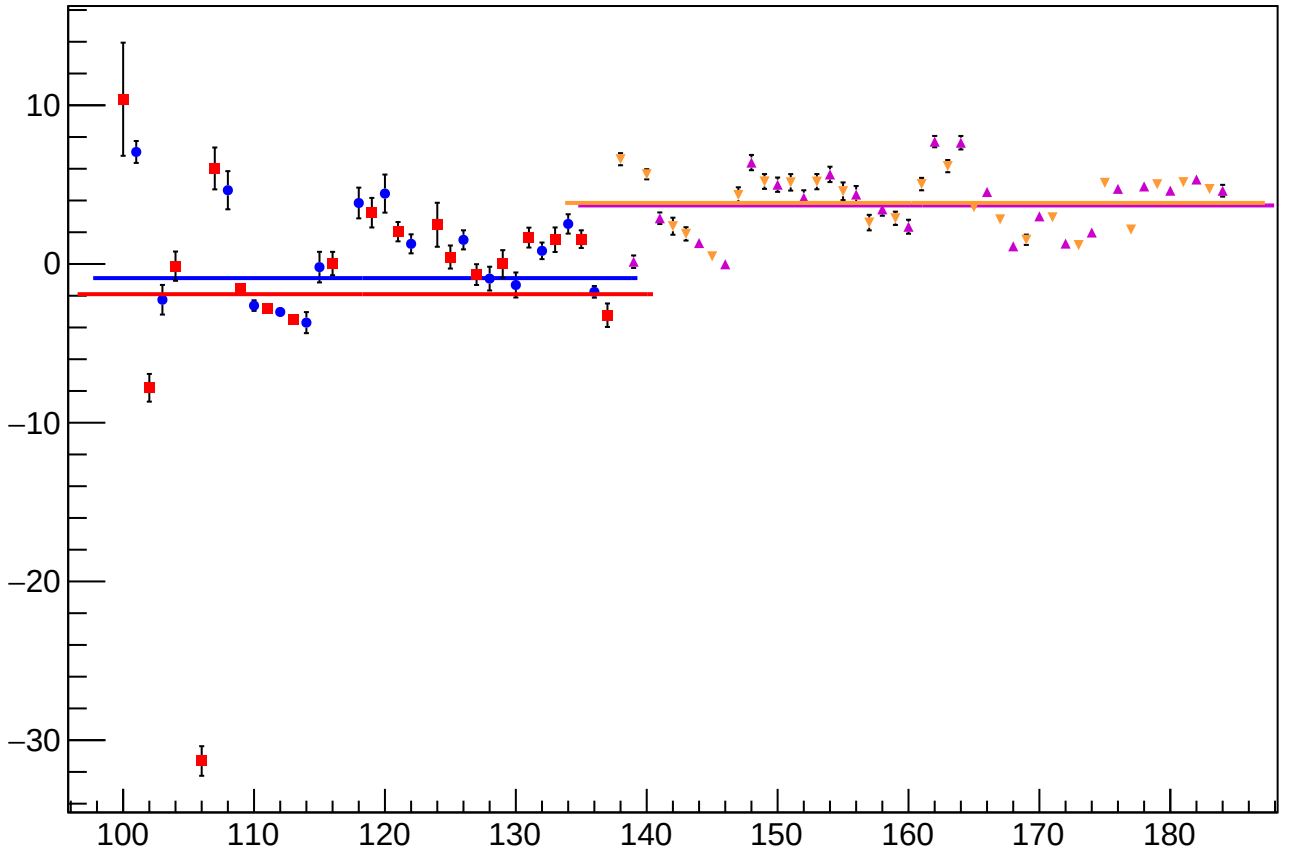
Left: 0.170+/-0.002 χ^2/NDF: 2061.3/46

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.140+/-0.003 χ^2/NDF:2232.6/38

Out: 0.150+/-0.003 χ^2/NDF:2564.1/42

All: 0.145+/-0.002 χ^2/NDF: 4803.9/81



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: 3.688+/-0.064 χ^2/NDF:953.3/22

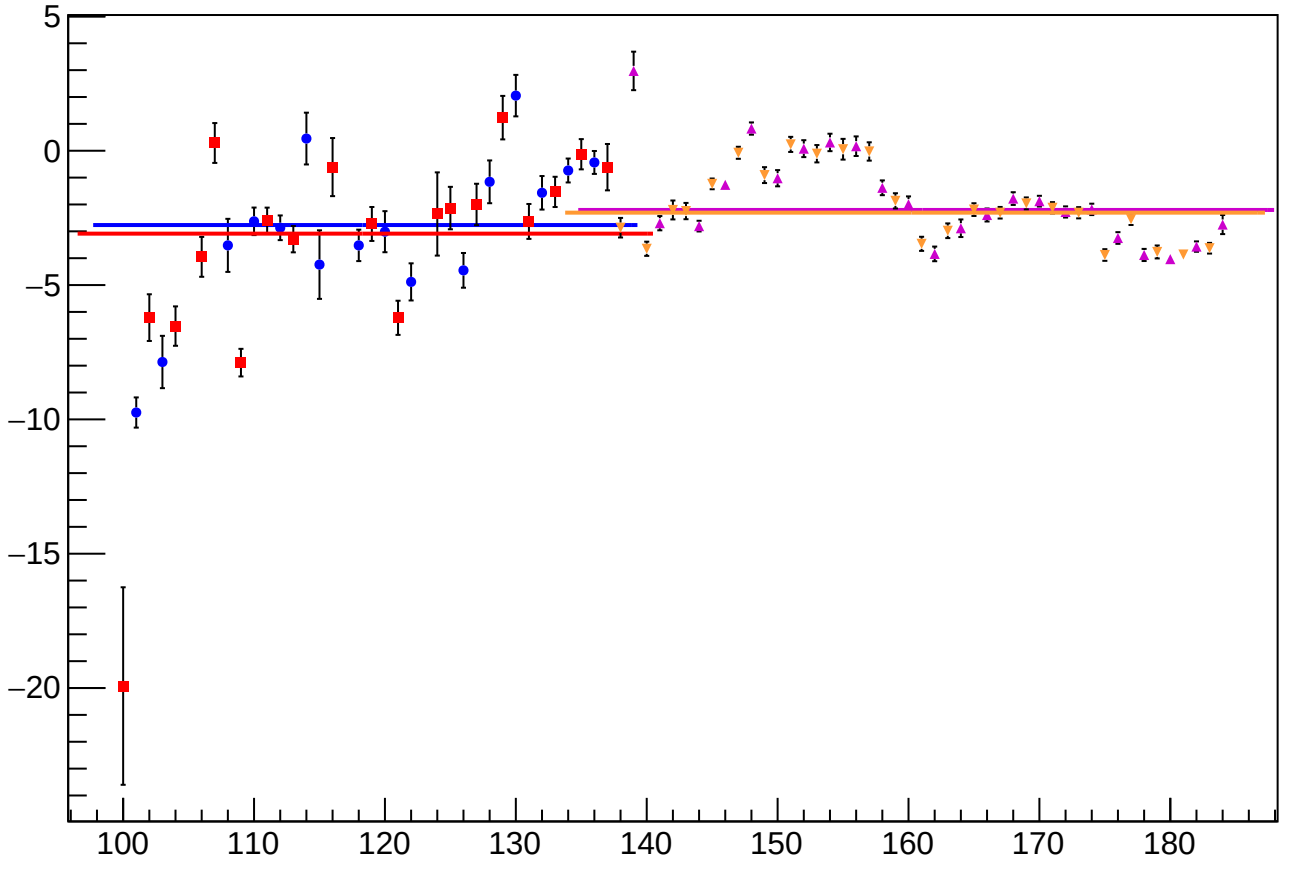
Left: 3.769+/-0.045 χ^2/NDF: 1679.5/46

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 2.866+/-0.058 χ^2/NDF:2254.8/38

Out: 2.736+/-0.056 χ^2/NDF:3673.9/42

All: 2.799+/-0.040 χ^2/NDF: 5931.3/81



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: -2.204+/-0.051 χ^2/NDF:724.7/22

Left: -2.255+/-0.036 χ^2/NDF: 1356.5/46

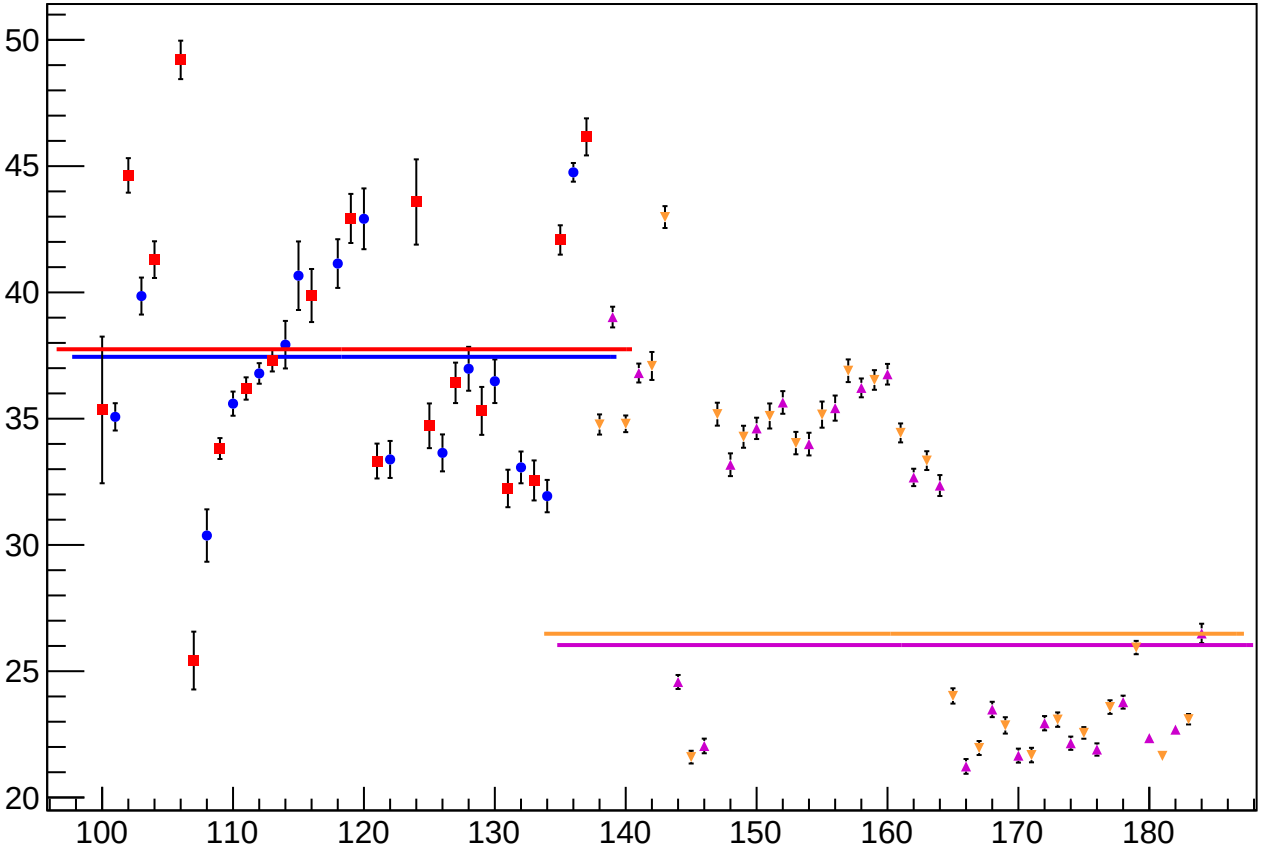
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -2.258+/-0.048 χ^2/NDF:1046.4/38

Out: -2.377+/-0.048 χ^2/NDF:924.7/42

All: -2.318+/-0.034 χ^2/NDF: 1974.2/81

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: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.262+/-0.045 χ^2/NDF: 17040.1/46

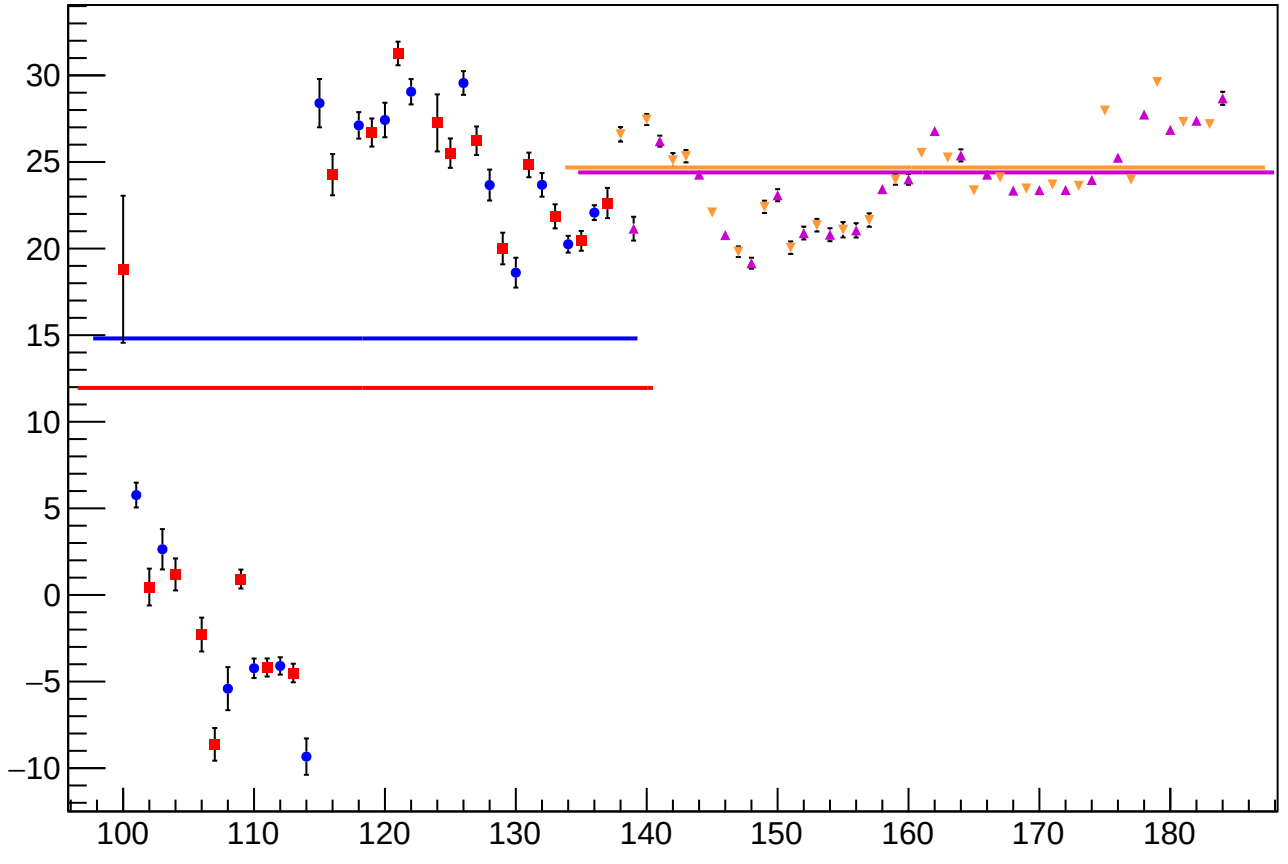
Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 27.593+/-0.059 χ^2/NDF:12904.6/38

Out: 28.010+/-0.059 χ^2/NDF:14453.0/42

All: 27.804+/-0.042 χ^2/NDF: 27382.6/81

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: 24.397+/-0.056 χ^2/NDF:1715.6/22

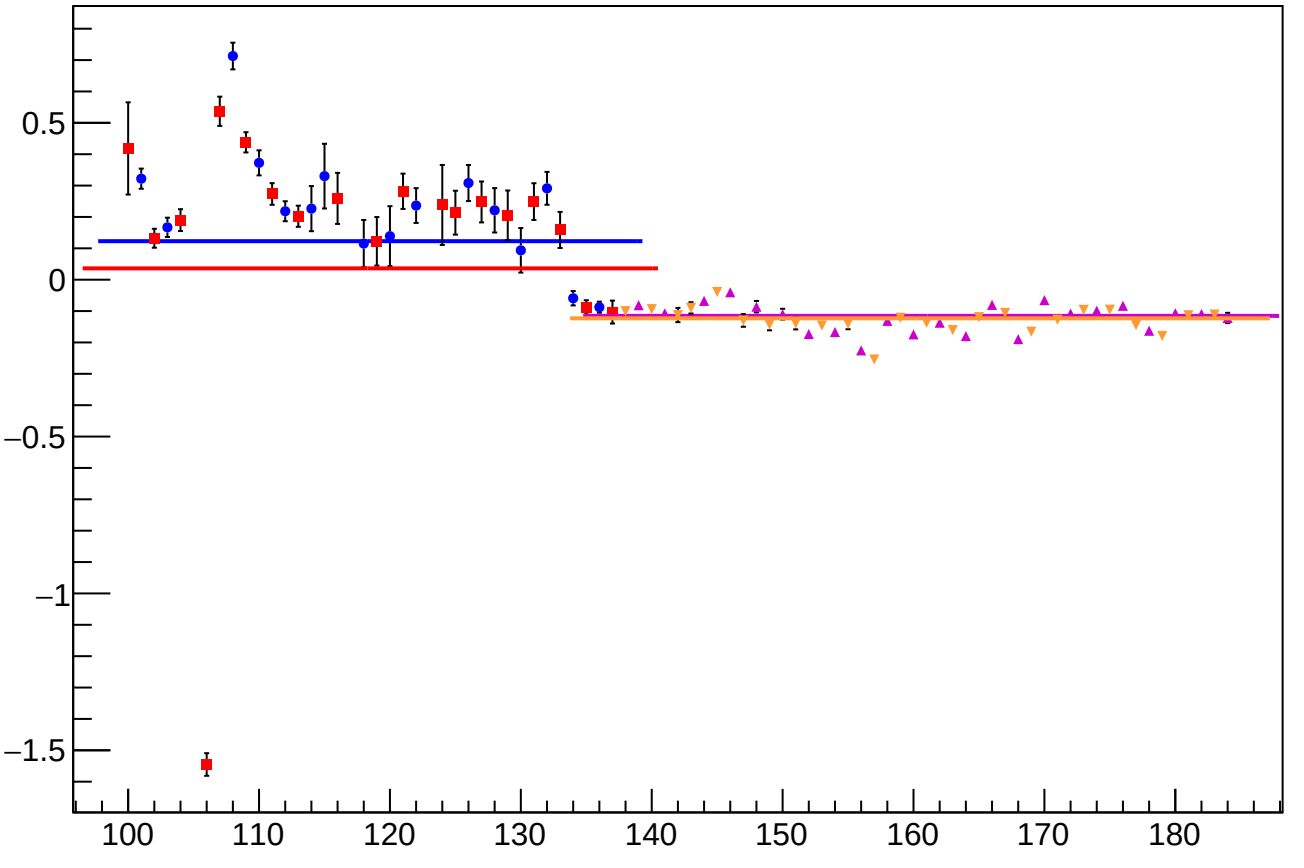
Left: 24.541+/-0.040 χ^2/NDF: 3638.9/46

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 23.483+/-0.054 χ^2/NDF:10151.1/38

Out: 23.525+/-0.053 χ^2/NDF:12725.6/42

All: 23.504+/-0.038 χ^2/NDF: 22877.0/81



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:290.7/22

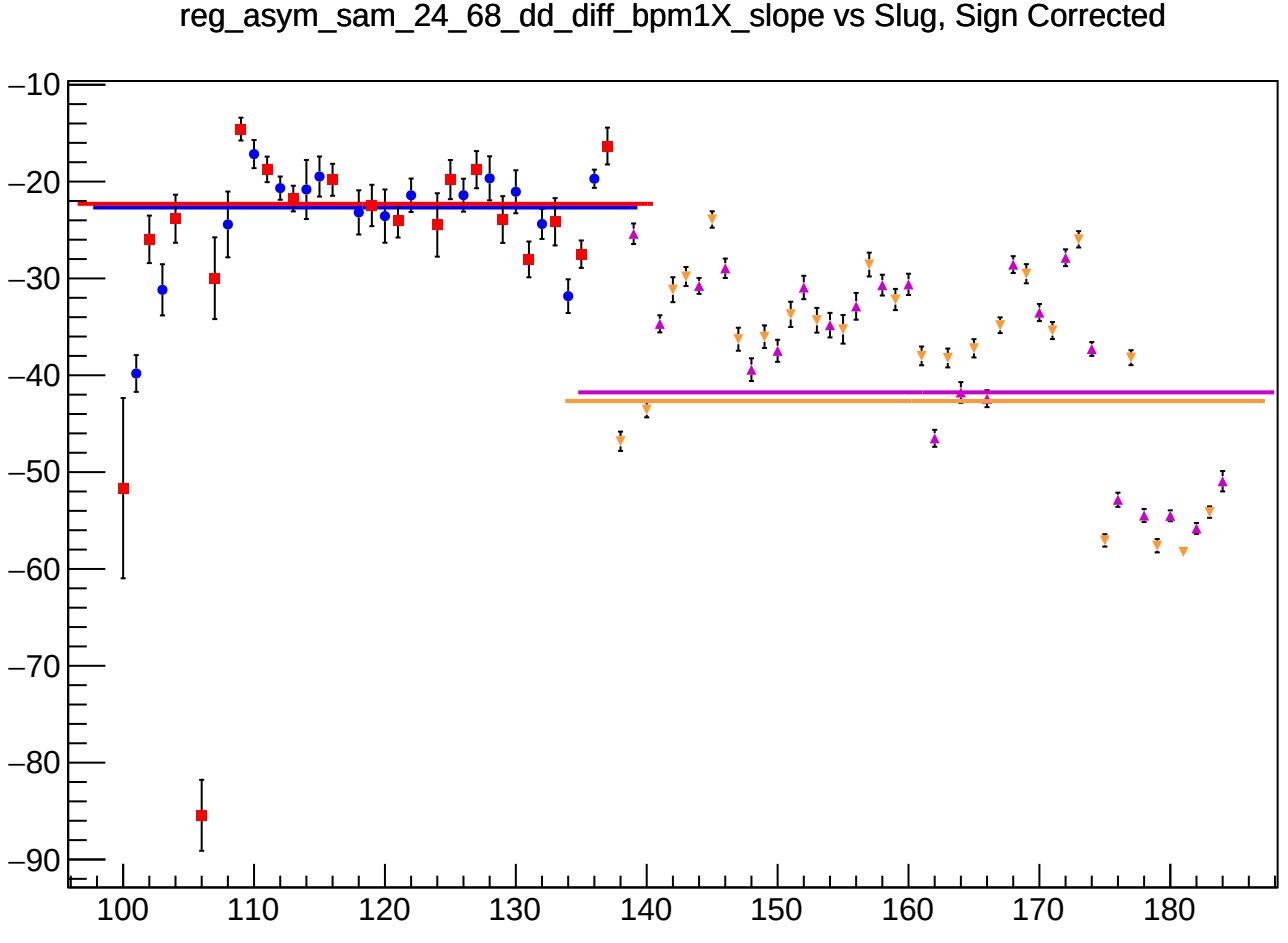
Left: -0.119+/-0.002 χ^2/NDF: 532.3/46

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.099+/-0.002 χ^2/NDF:1408.3/38

Out: -0.113+/-0.002 χ^2/NDF:2900.6/42

All: -0.106+/-0.002 χ^2/NDF: 4325.3/81



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: -41.764+/-0.182 χ^2/NDF:3459.2/22

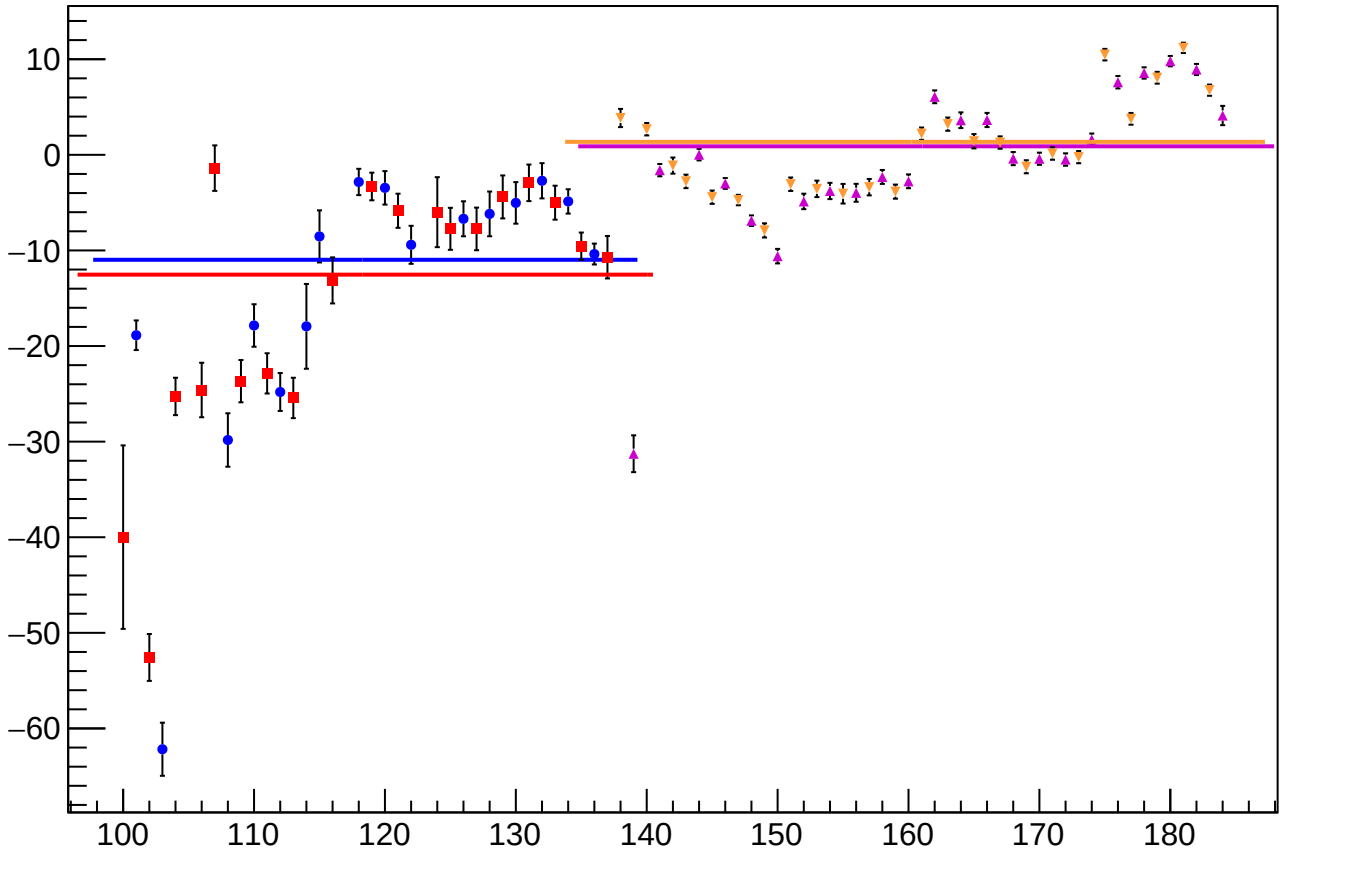
Left: -42.223+/-0.127 χ^2/NDF: 7814.8/46

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -38.923+/-0.168 χ^2/NDF:5256.2/38

Out: -39.767+/-0.164 χ^2/NDF:6627.5/42

All: -39.354+/-0.117 χ^2/NDF: 11896.7/81



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: 0.889+/-0.143 χ^2/NDF:1763.7/22

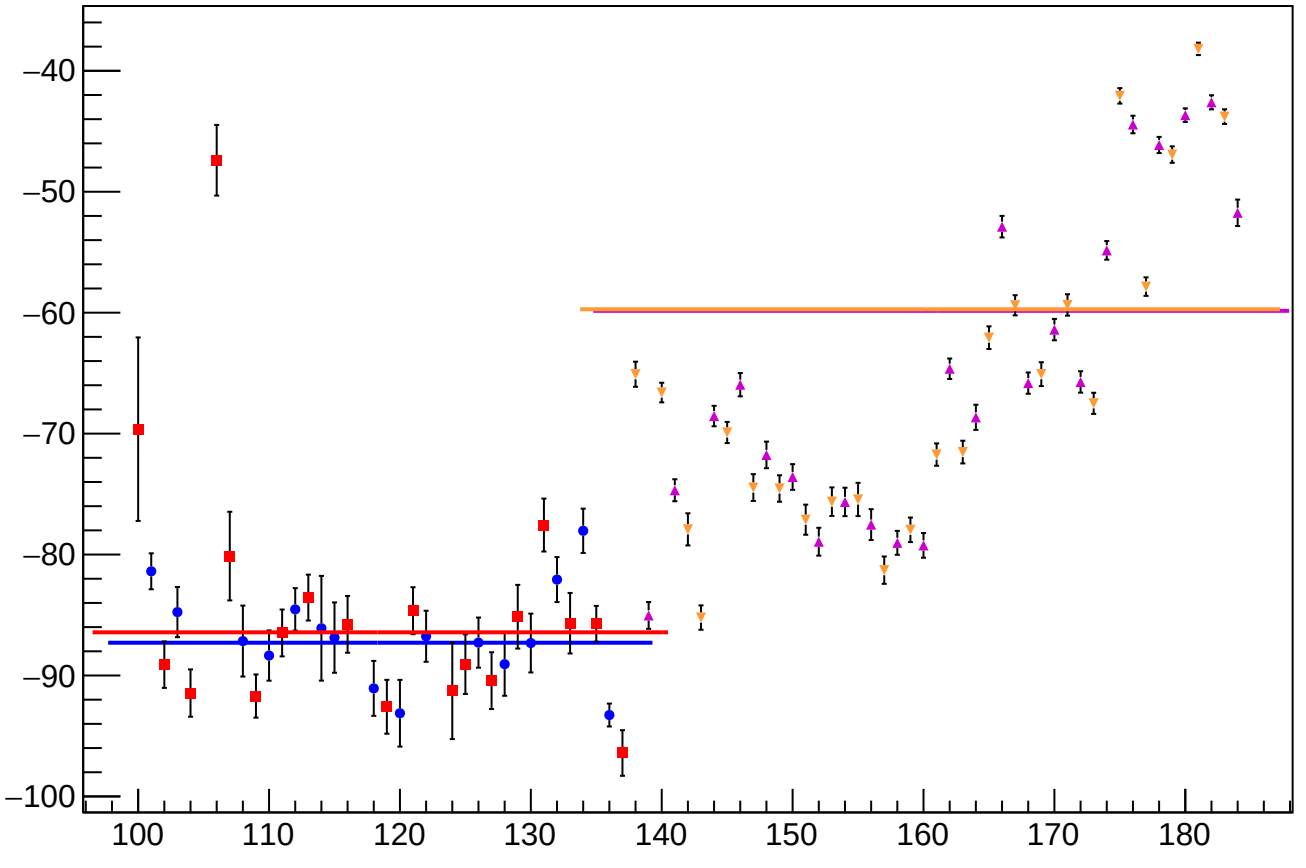
Left: 1.129+/-0.100 χ^2/NDF: 3162.3/46

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -0.184+/-0.136 χ^2/NDF:2974.3/38

Out: 0.282+/-0.134 χ^2/NDF:2734.4/42

All: 0.054+/-0.096 χ^2/NDF: 5714.7/81



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: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.782+/-0.127 χ^2/NDF: 12166.0/46

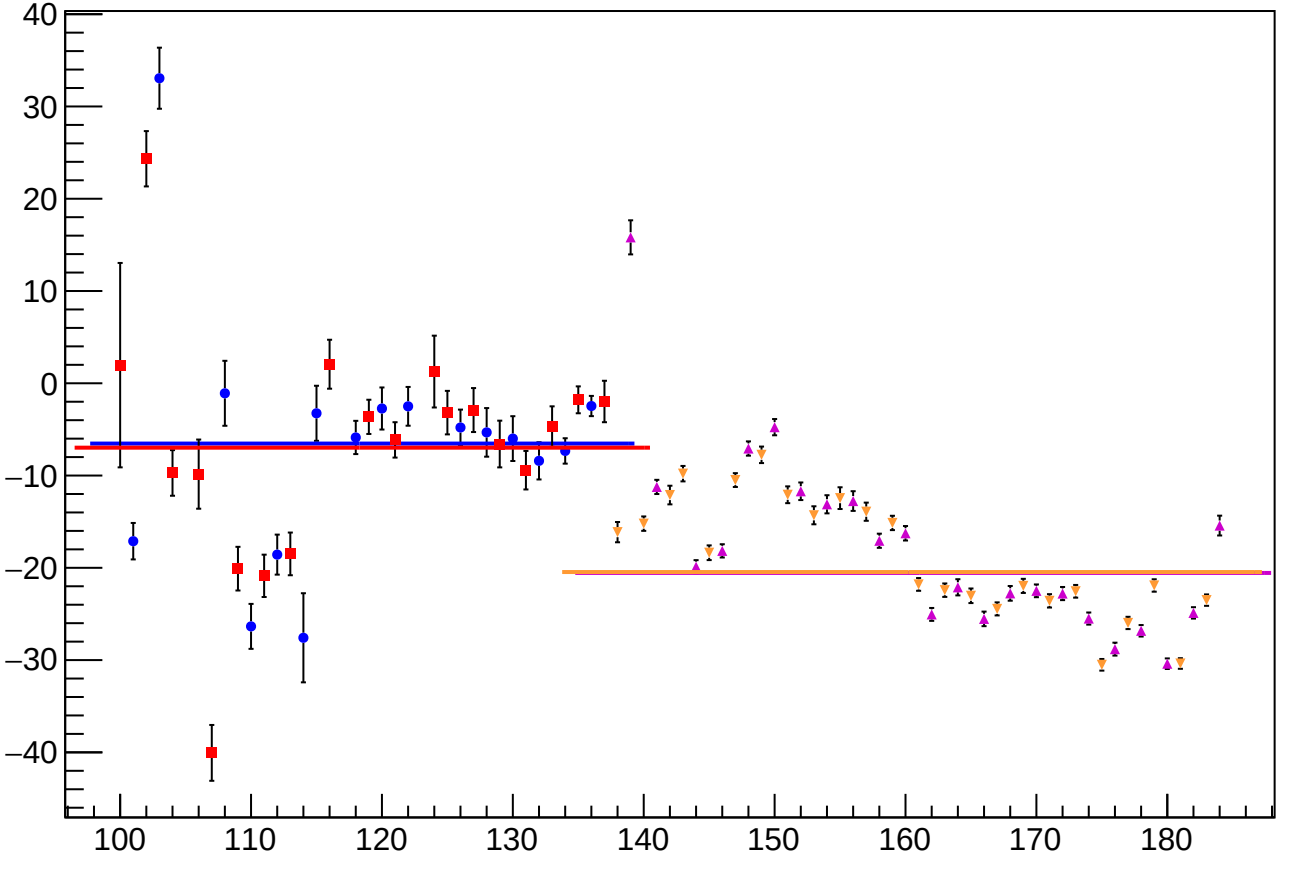
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -63.258+/-0.169 χ^2/NDF:8491.1/38

Out: -62.632+/-0.167 χ^2/NDF:9379.9/42

All: -62.940+/-0.119 χ^2/NDF: 17878.0/81

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: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.505+/-0.112 χ^2/NDF: 3865.5/46

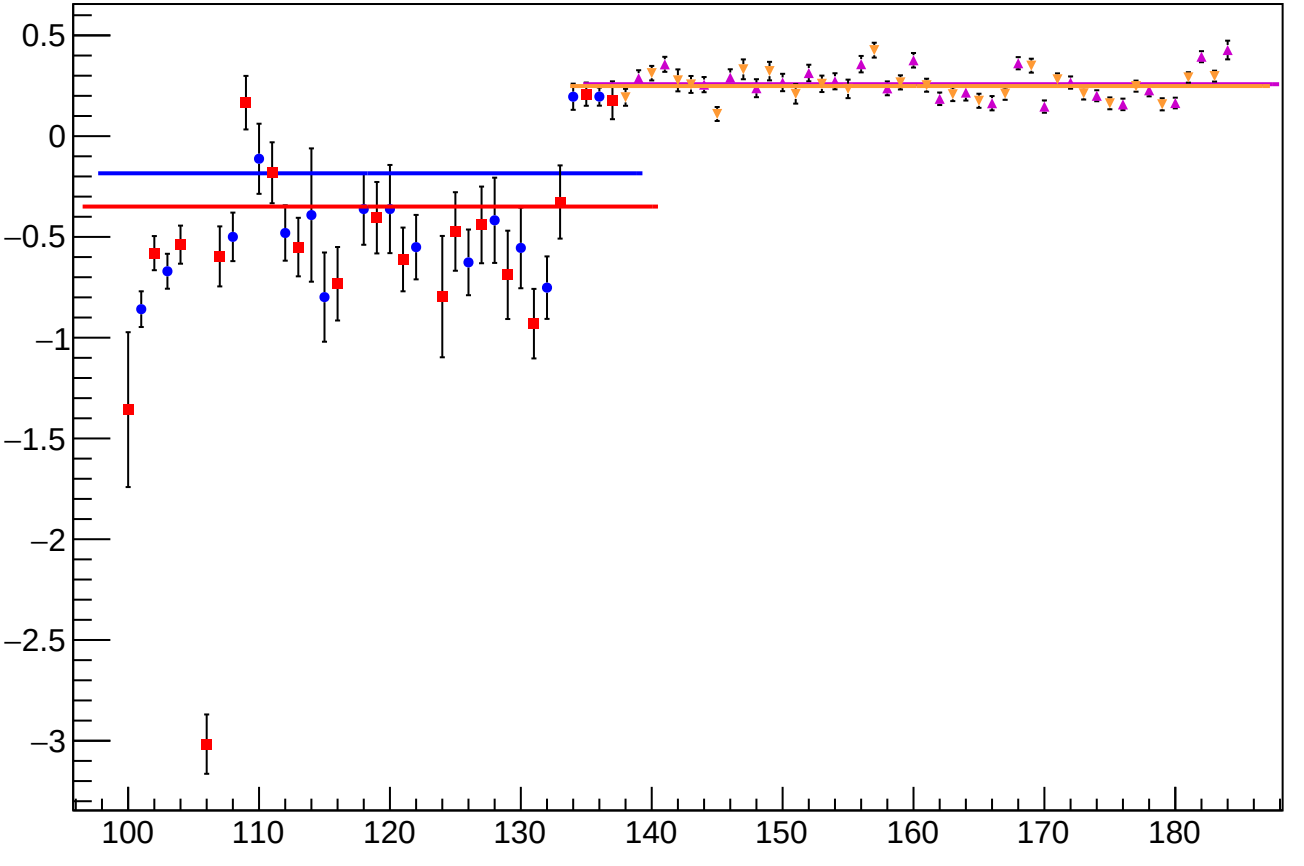
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -19.295+/-0.152 χ^2/NDF:3201.3/38

Out: -19.423+/-0.150 χ^2/NDF:2611.5/42

All: -19.360+/-0.107 χ^2/NDF: 5813.1/81

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: 0.258+/-0.007 χ^2/NDF:134.3/22

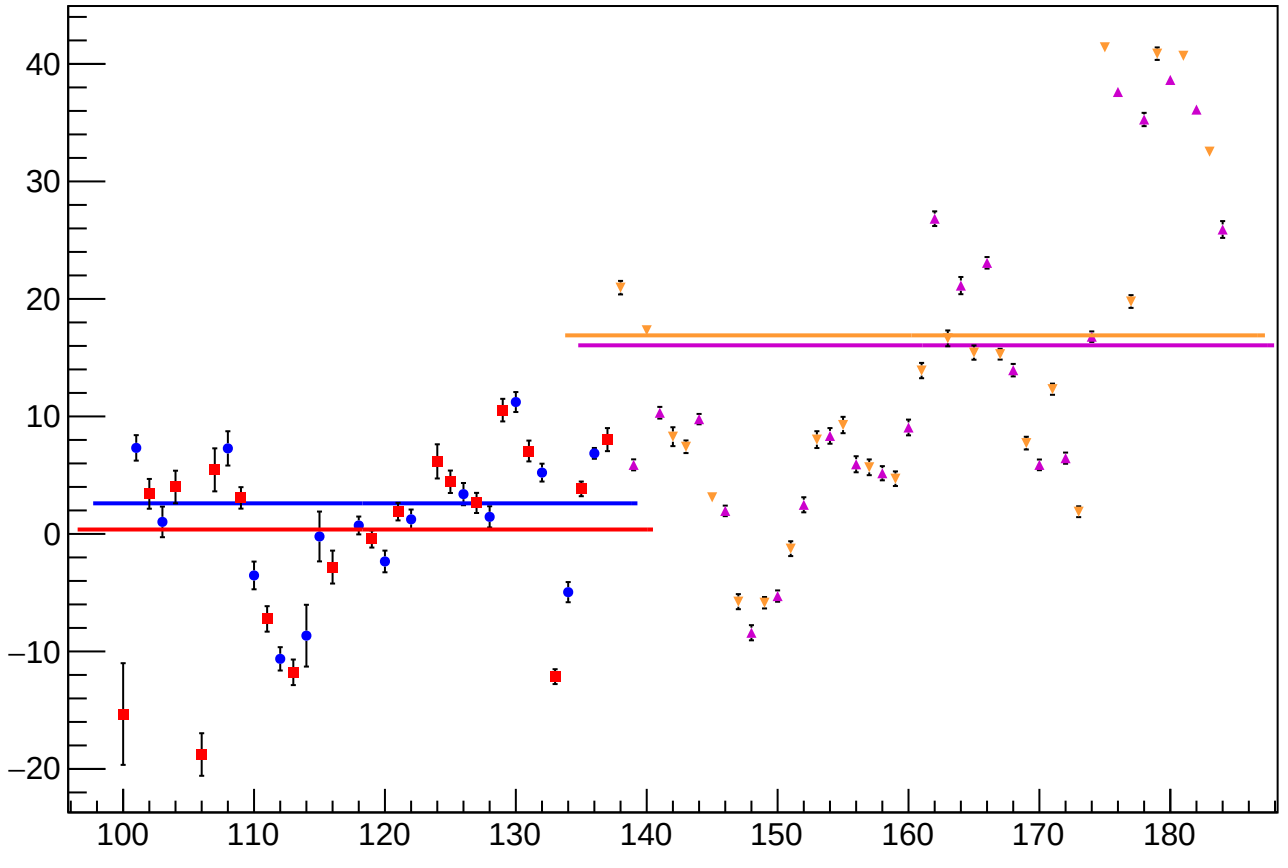
Left: 0.253+/-0.005 χ^2/NDF: 228.3/46

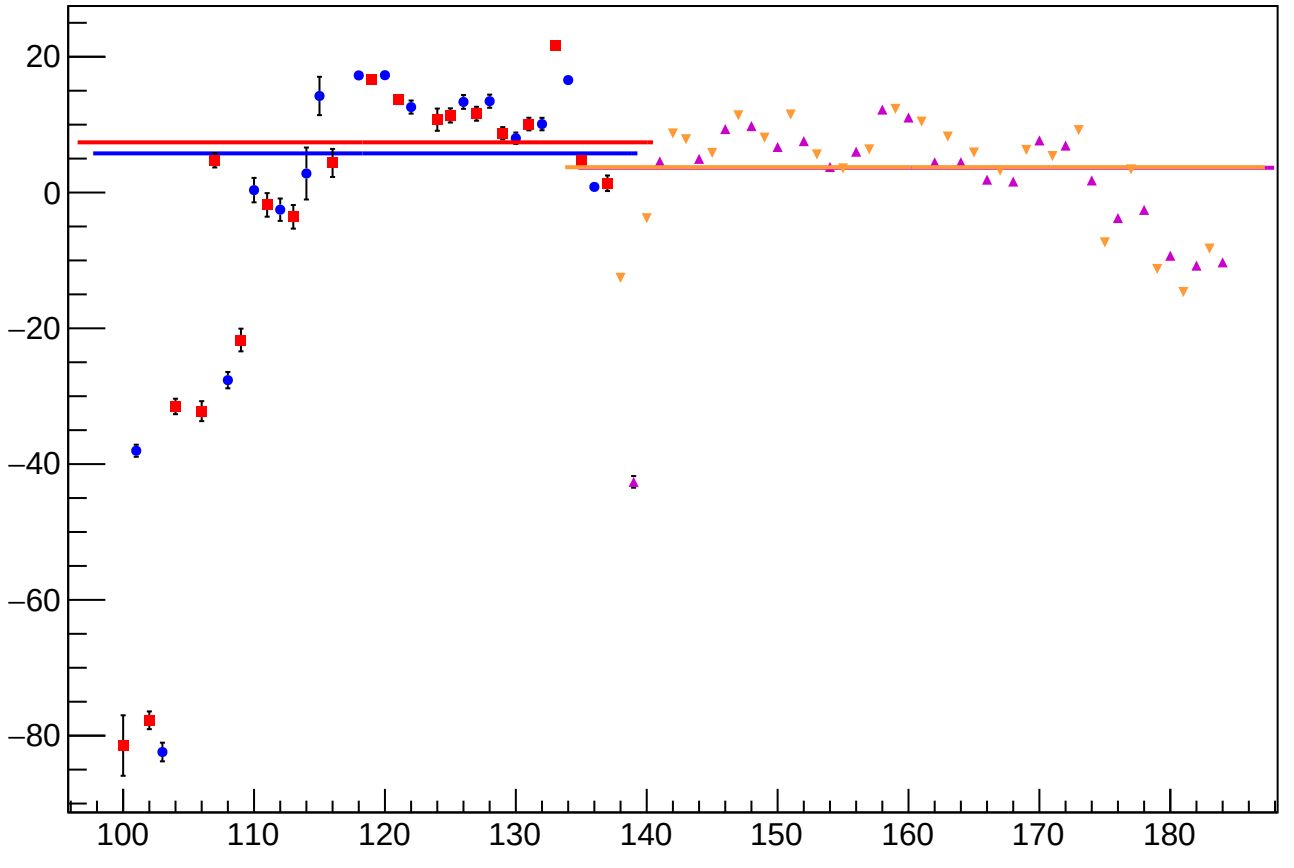
Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.228+/-0.007 χ^2/NDF:636.3/38

Out: 0.216+/-0.007 χ^2/NDF:1002.9/42

All: 0.222+/-0.005 χ^2/NDF: 1640.9/81


reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: 2.604+/-0.224 χ²/NDF: 573.1/15
Left Out: 16.899+/-0.105 χ²/NDF:20471.7/23
Right Out: 0.377+/-0.222 χ²/NDF: 1030.9/18
Left In: 16.051+/-0.107 χ²/NDF:17625.1/22
Left: 16.484+/-0.075 χ²/NDF: 38128.6/46
Right: 1.481+/-0.158 χ²/NDF: 1653.8/34
In: 13.546+/-0.097 χ²/NDF:21128.0/38
Out: 13.881+/-0.095 χ²/NDF:26019.9/42
All: 13.717+/-0.068 χ²/NDF: 47154.0/81



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: 3.649+/-0.083 χ^2/NDF:8310.7/22

Left: 3.689+/-0.058 χ^2/NDF: 17372.6/46

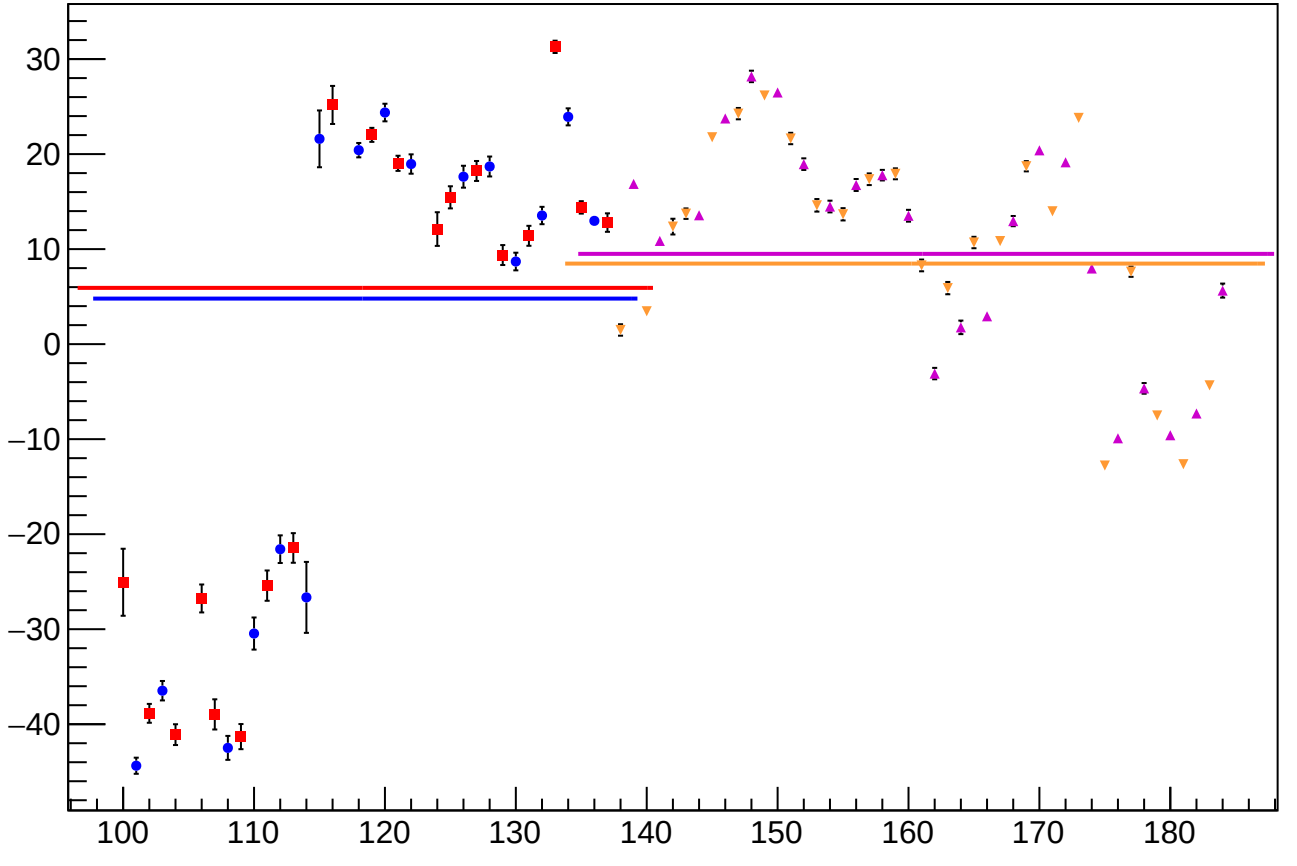
Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 3.935+/-0.077 χ^2/NDF:17332.7/38

Out: 4.203+/-0.075 χ^2/NDF:17720.5/42

All: 4.073+/-0.054 χ^2/NDF: 35059.4/81

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 8.477+/-0.105 χ^2/NDF:14570.4/23

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

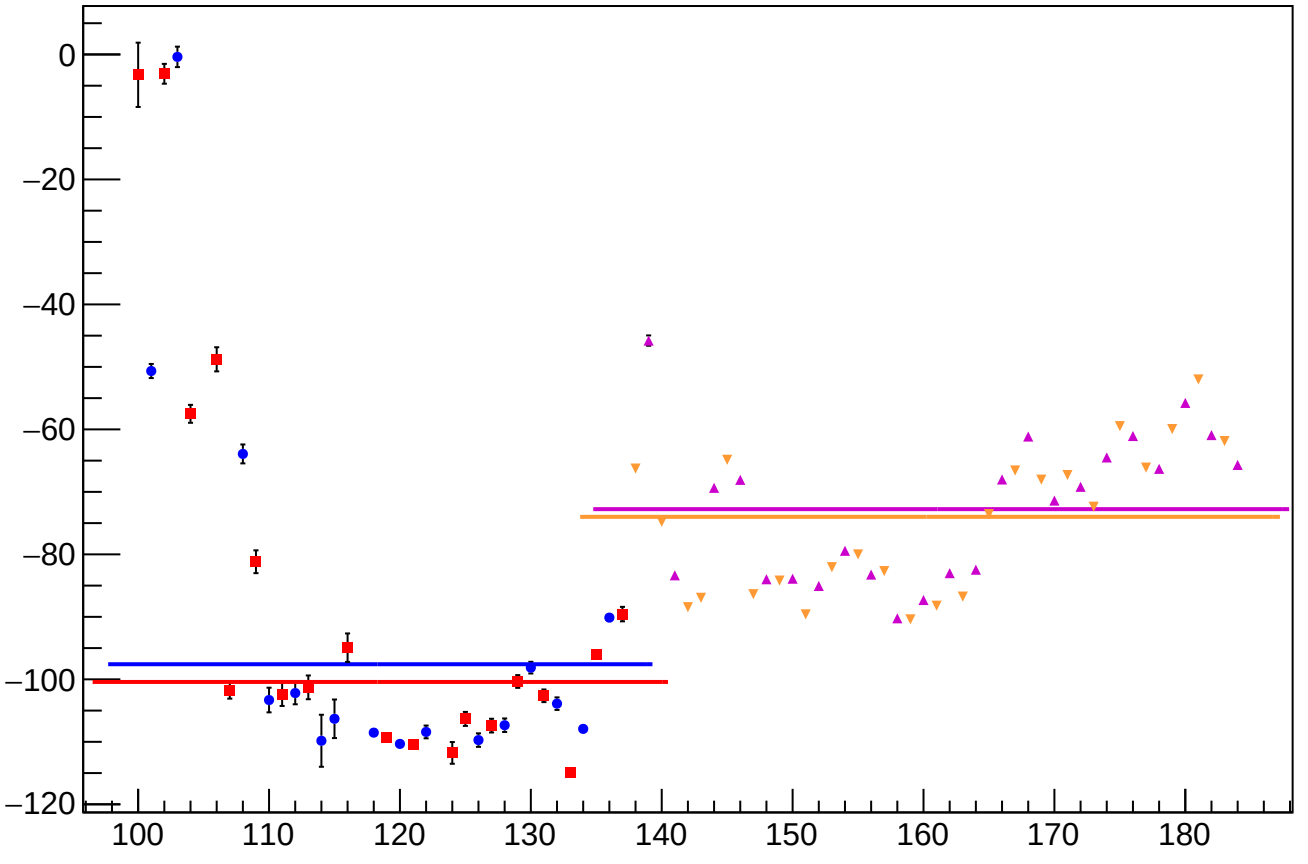
Left: 8.980+/-0.075 χ^2/NDF: 27658.3/46

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 8.712+/-0.097 χ^2/NDF:22864.9/38

Out: 8.068+/-0.096 χ^2/NDF:24725.1/42

All: 8.386+/-0.068 χ^2/NDF: 47612.3/81



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: -72.763+/-0.093 χ^2/NDF:12612.6/22

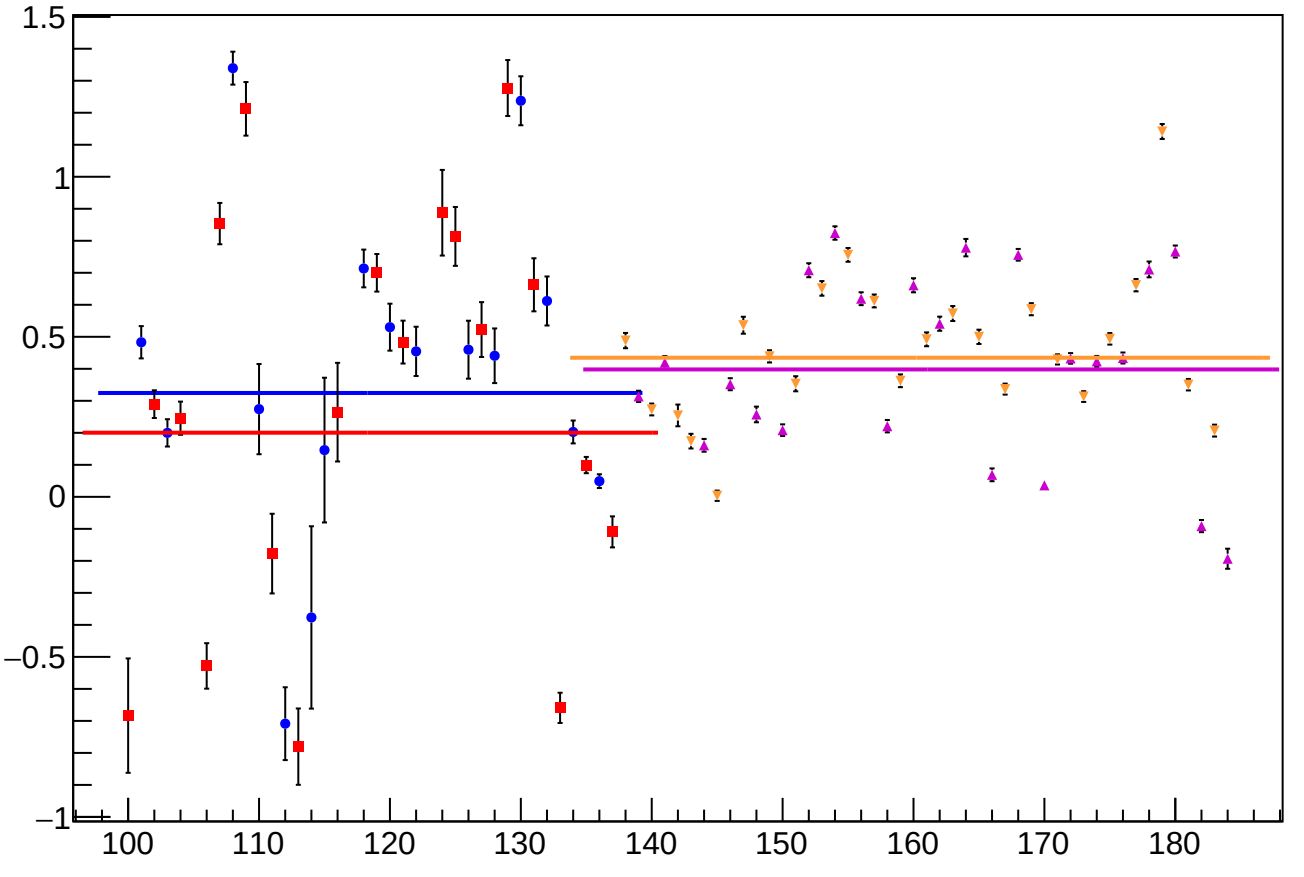
Left: -73.394+/-0.065 χ^2/NDF: 28214.8/46

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -75.983+/-0.087 χ^2/NDF:28933.0/38

Out: -77.313+/-0.085 χ^2/NDF:33140.7/42

All: -76.661+/-0.061 χ^2/NDF: 62192.7/81



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: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.416+/-0.003 χ^2/NDF: 7117.3/46

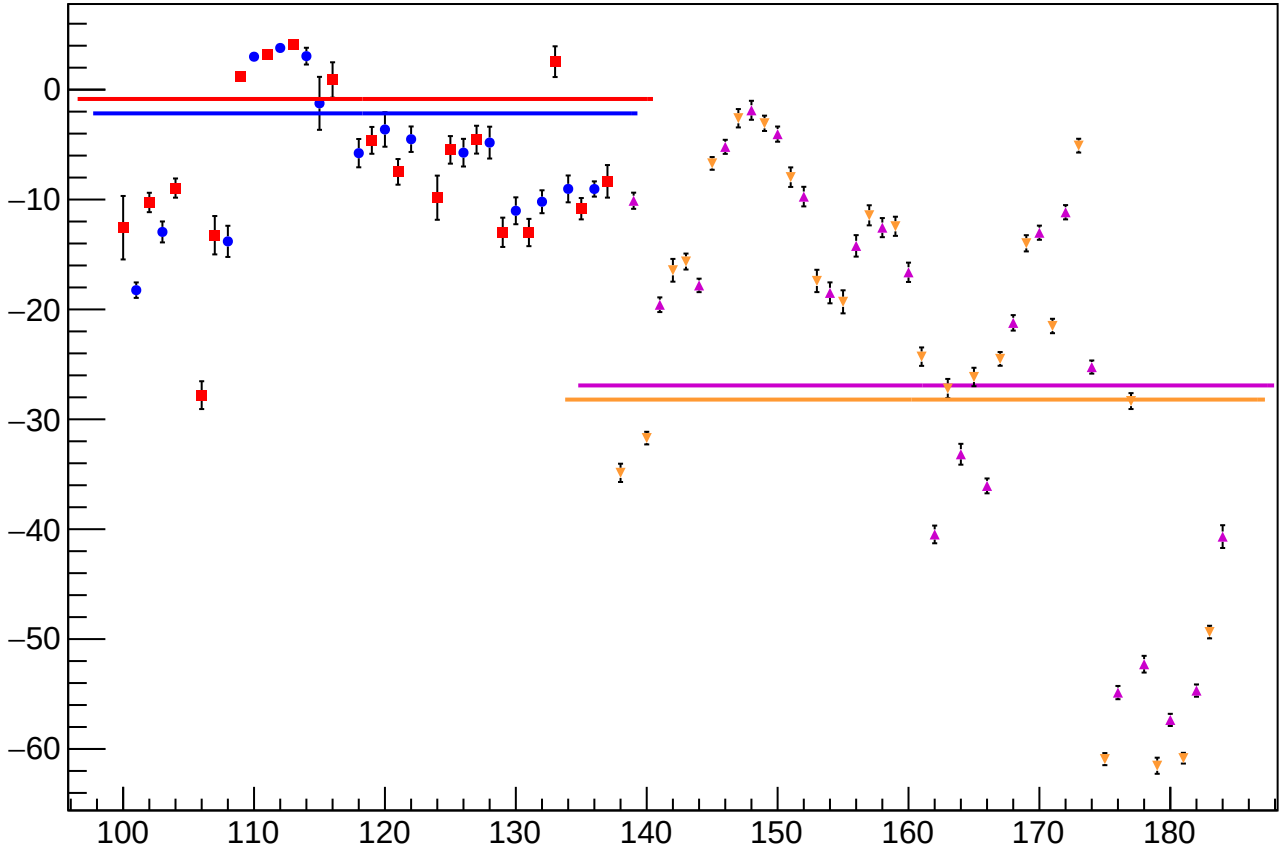
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.392+/-0.004 χ^2/NDF:5185.5/38

Out: 0.416+/-0.004 χ^2/NDF:4276.1/42

All: 0.404+/-0.003 χ^2/NDF: 9480.4/81

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -28.204+/-0.146 χ^2/NDF:18823.4/23

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

Left: -27.576+/-0.104 χ^2/NDF: 34398.0/46

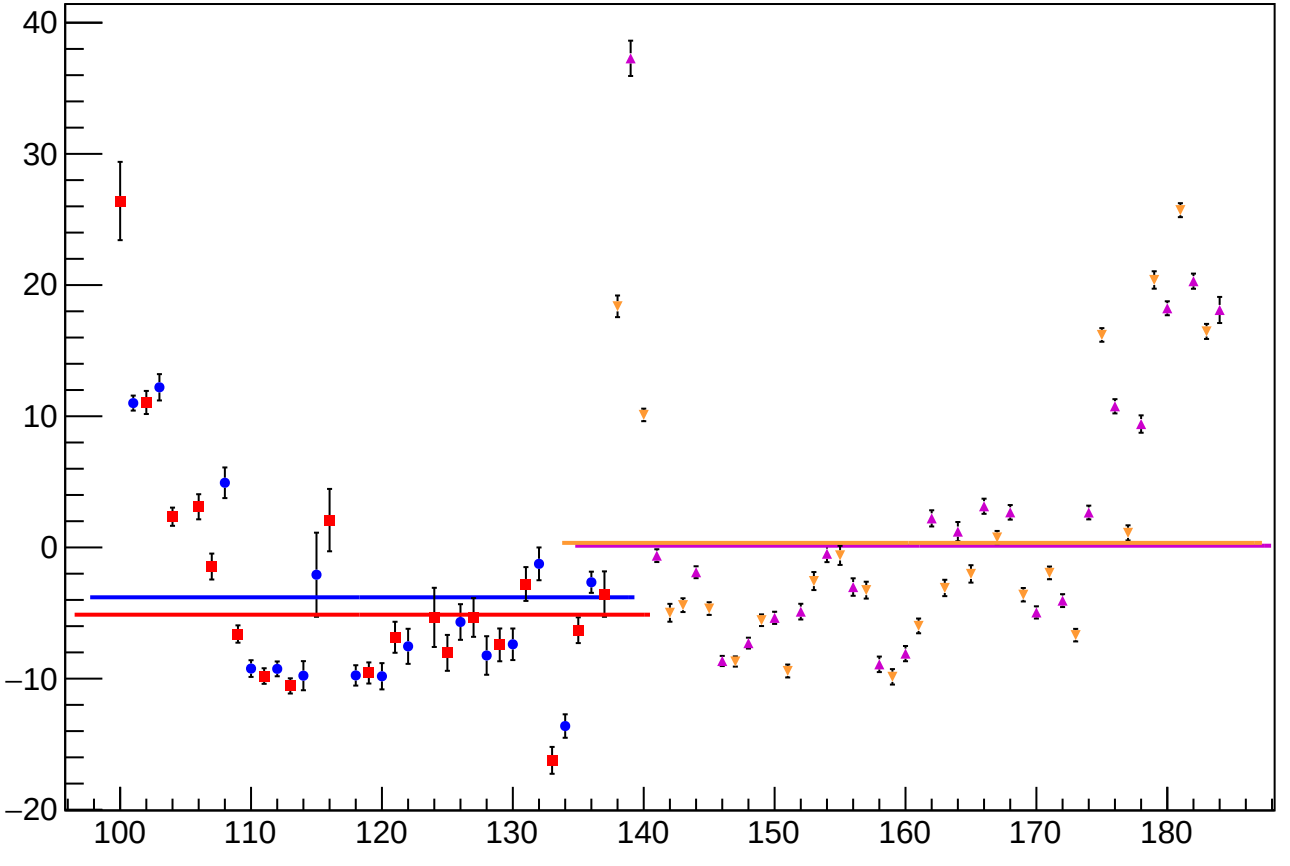
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -17.594+/-0.118 χ^2/NDF:27396.2/38

Out: -16.653+/-0.111 χ^2/NDF:35179.0/42

All: -17.094+/-0.081 χ^2/NDF: 62609.1/81

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: 0.131+/-0.114 χ^2/NDF:5837.4/22

Left: 0.243+/-0.080 χ^2/NDF: 13810.1/46

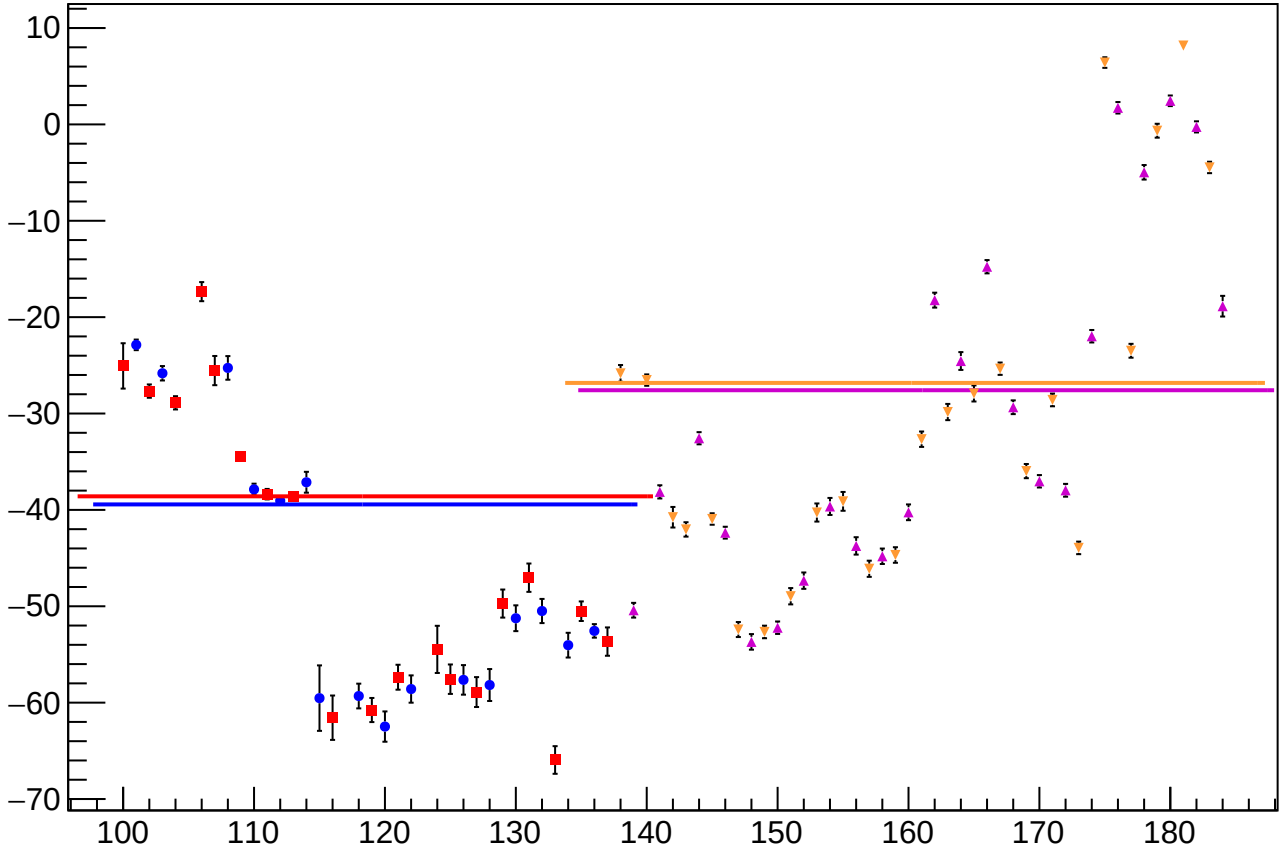
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -0.673+/-0.102 χ^2/NDF:7504.3/38

Out: -0.775+/-0.099 χ^2/NDF:9449.2/42

All: -0.726+/-0.071 χ^2/NDF: 16954.0/81

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: -27.583+/-0.148 χ^2/NDF:15648.7/22

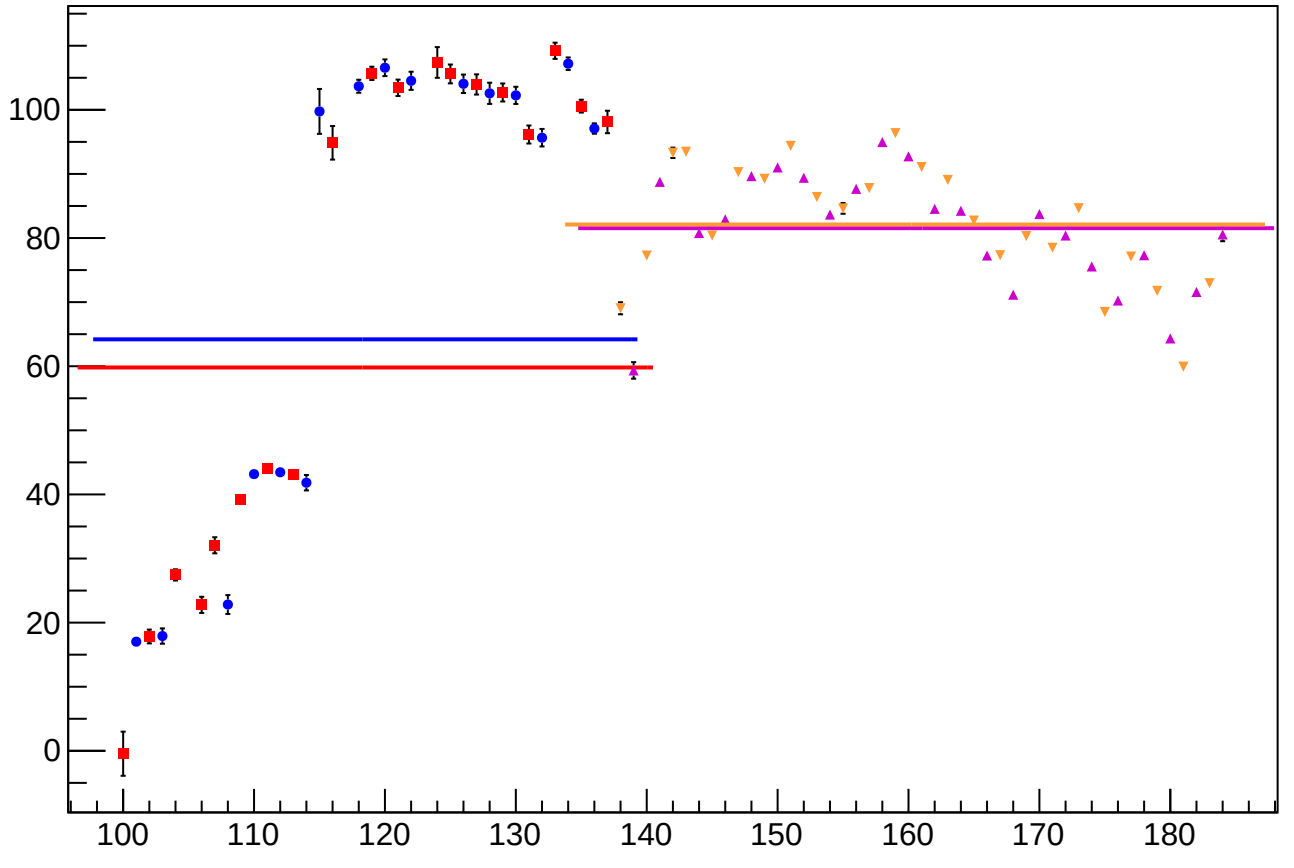
Left: -27.195+/-0.104 χ^2/NDF: 33638.2/46

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -31.158+/-0.124 χ^2/NDF:20535.3/38

Out: -30.566+/-0.120 χ^2/NDF:22839.3/42

All: -30.852+/-0.086 χ^2/NDF: 43386.4/81



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: 81.539+/-0.129 χ^2/NDF:4043.0/22

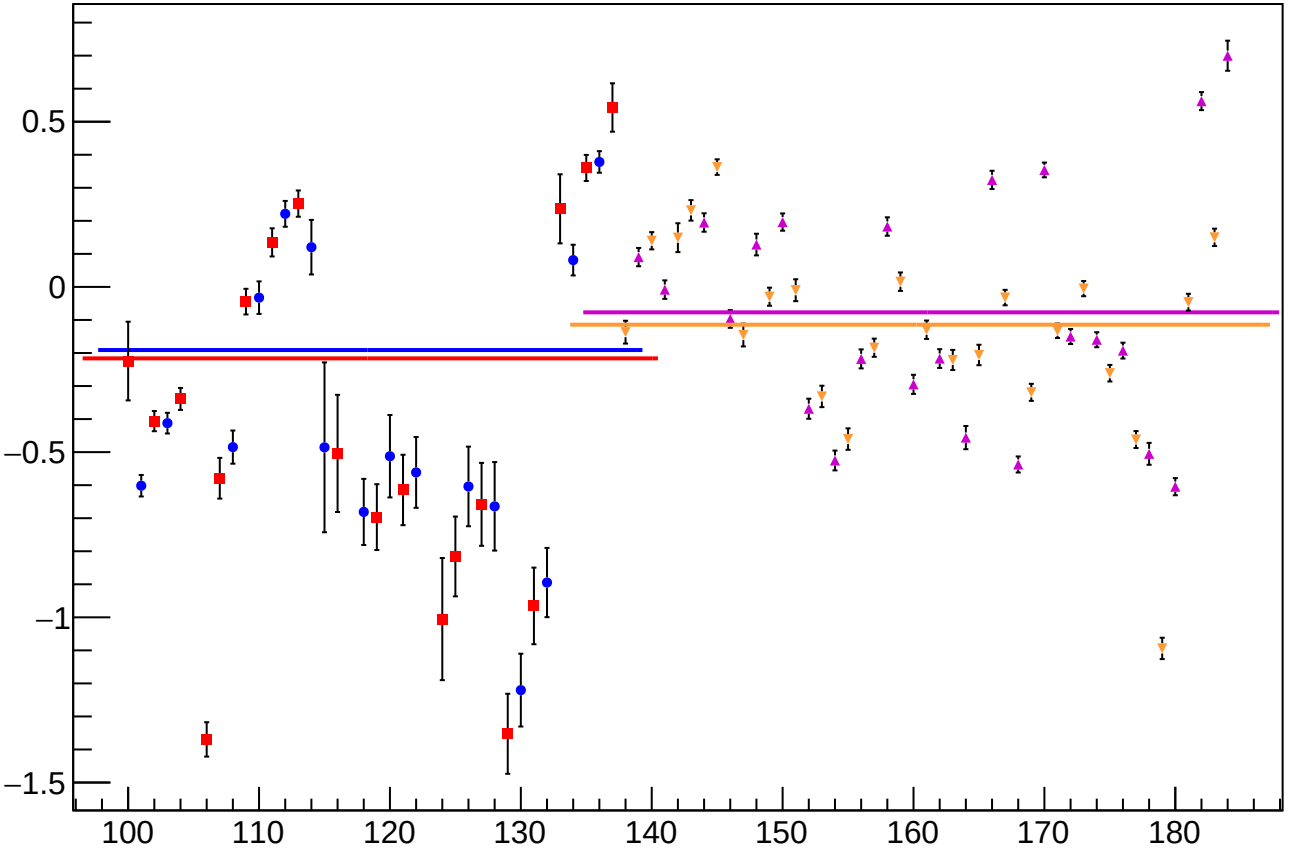
Left: 81.831+/-0.090 χ^2/NDF: 9426.4/46

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 78.062+/-0.115 χ^2/NDF:26266.1/38

Out: 77.563+/-0.112 χ^2/NDF:29206.0/42

All: 77.806+/-0.080 χ^2/NDF: 55481.8/81



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: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.096+/-0.004 χ^2/NDF: 5579.8/46

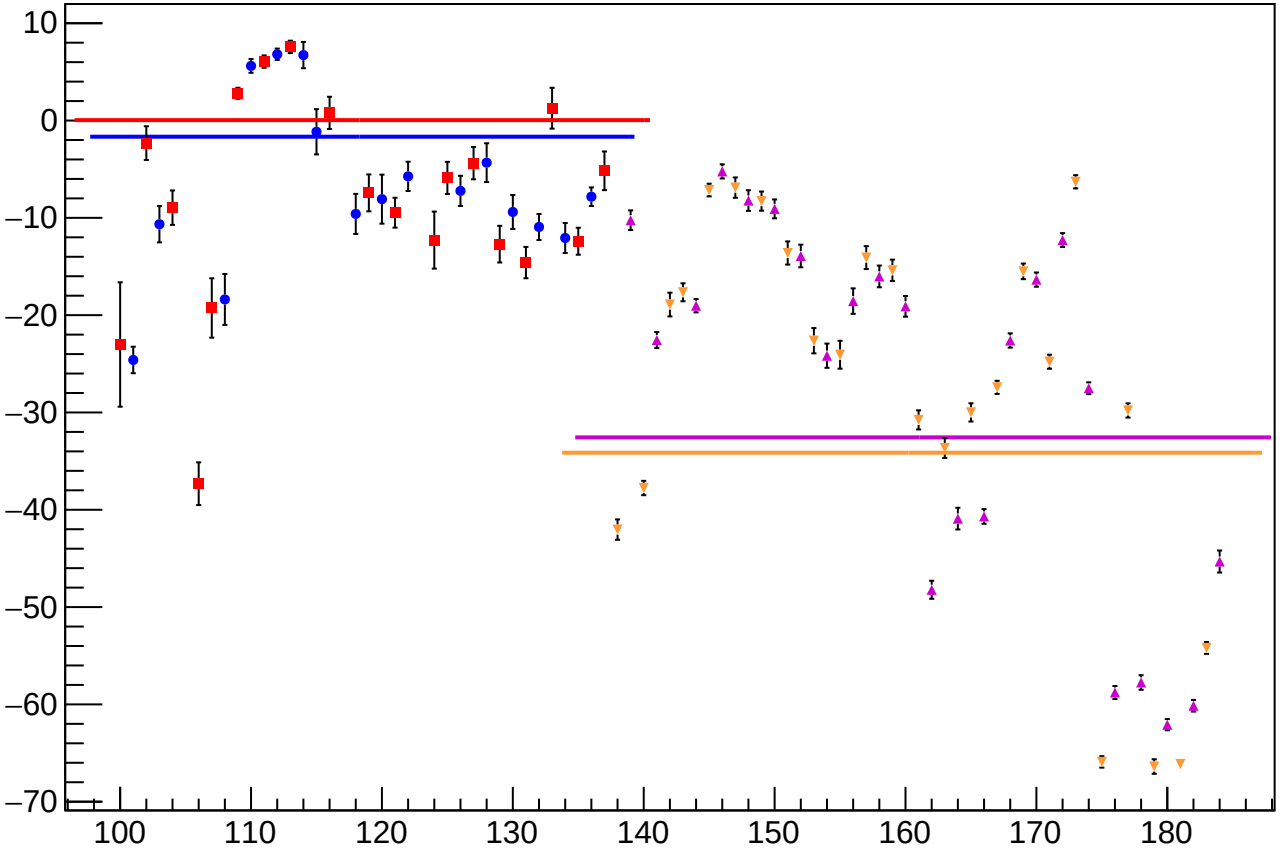
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.095+/-0.005 χ^2/NDF:4300.2/38

Out: -0.131+/-0.005 χ^2/NDF:3657.8/42

All: -0.113+/-0.004 χ^2/NDF: 7981.8/81

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: -32.559+/-0.169 χ^2/NDF:13896.0/22

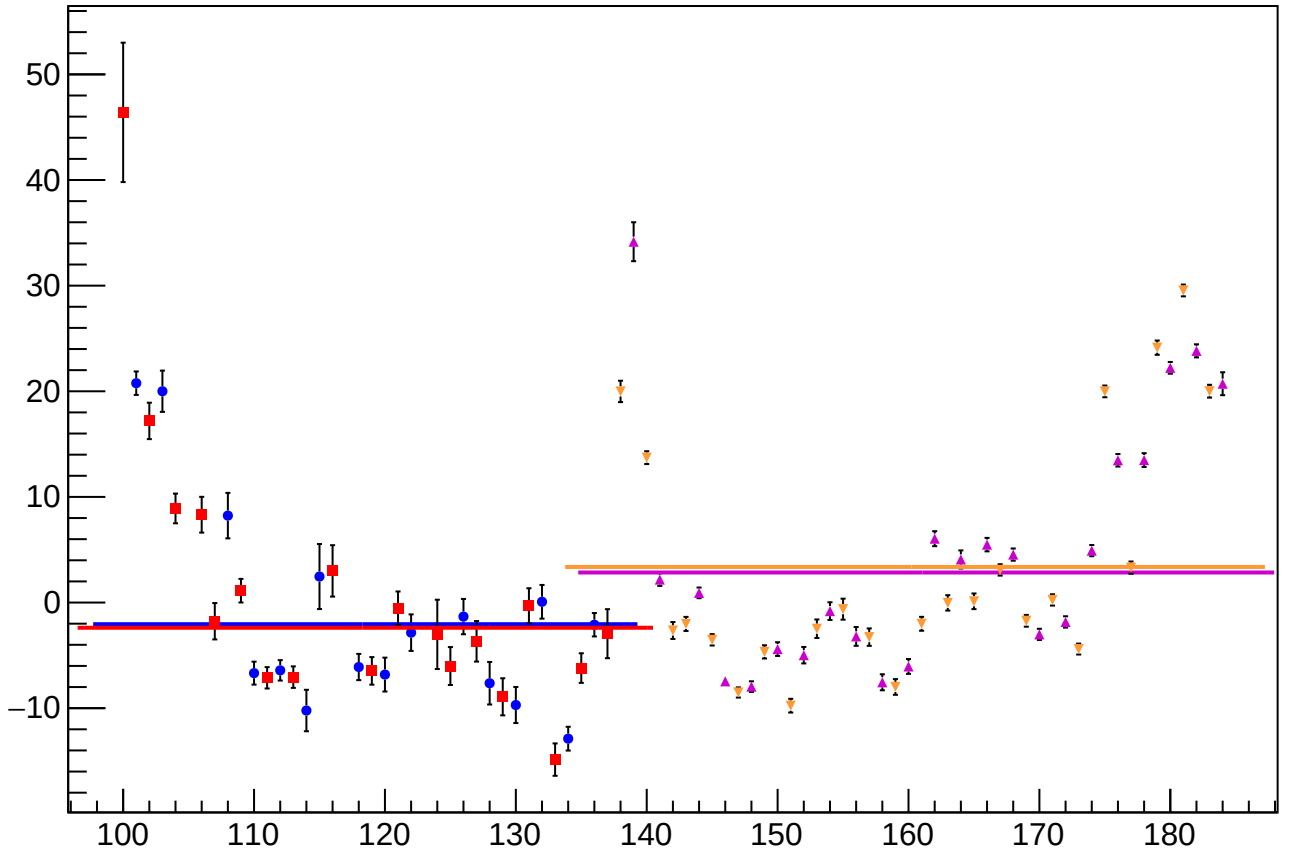
Left: -33.361+/-0.119 χ^2/NDF: 30841.8/46

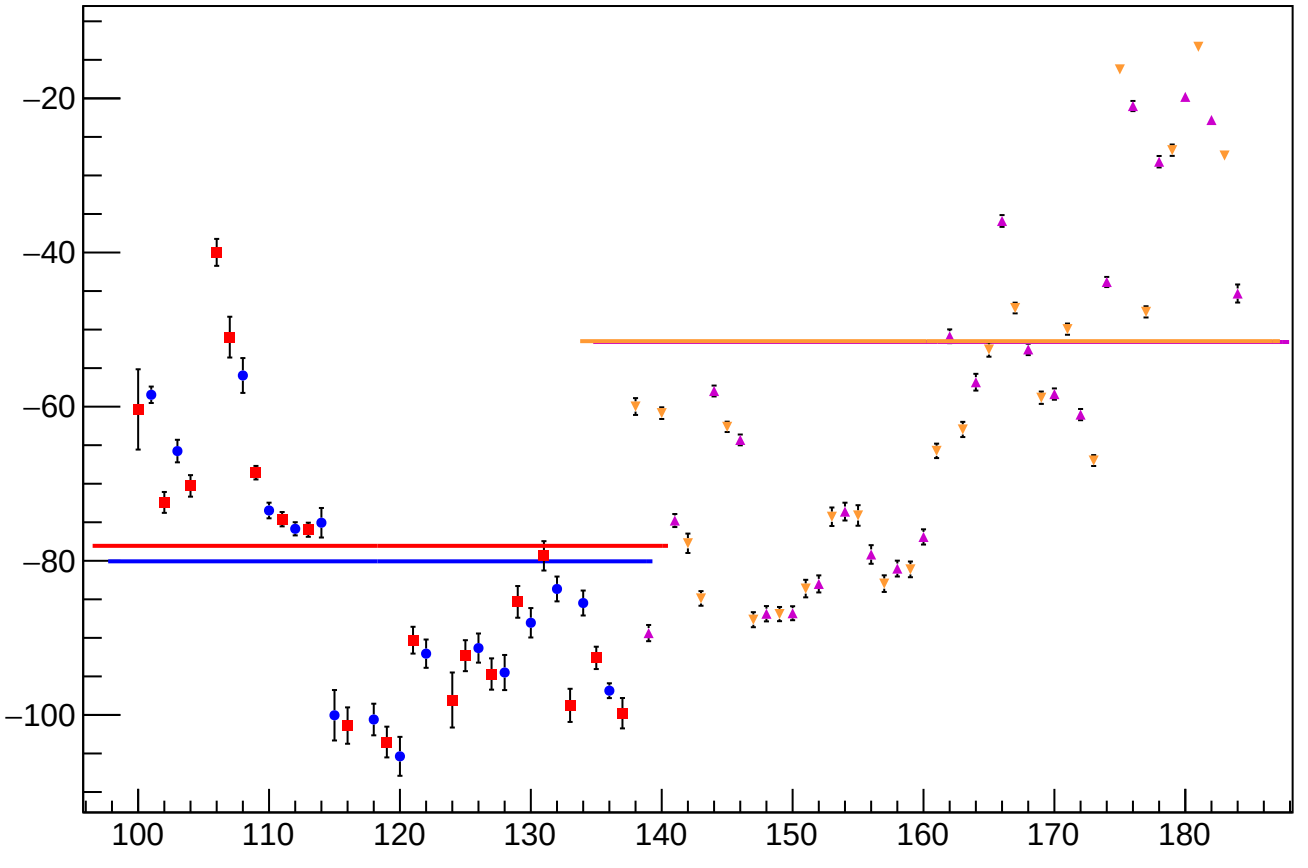
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -25.384+/-0.148 χ^2/NDF:22519.6/38

Out: -25.309+/-0.143 χ^2/NDF:28734.4/42

All: -25.345+/-0.103 χ^2/NDF: 51254.1/81


reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
170
180
Right In: -2.050+/-0.356 χ²/NDF: 771.9/15
Left Out: 3.369+/-0.129 χ²/NDF:7602.0/23
Right Out: -2.386+/-0.355 χ²/NDF: 450.9/18
Left In: 2.845+/-0.131 χ²/NDF:5455.5/22
Left: 3.111+/-0.092 χ²/NDF: 13065.6/46
Right: -2.218+/-0.252 χ²/NDF: 1223.3/34
In: 2.260+/-0.123 χ²/NDF:6393.7/38
Out: 2.697+/-0.121 χ²/NDF:8284.7/42
All: 2.482+/-0.086 χ²/NDF: 14684.8/81



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: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.556+/-0.119 χ^2/NDF: 38079.4/46

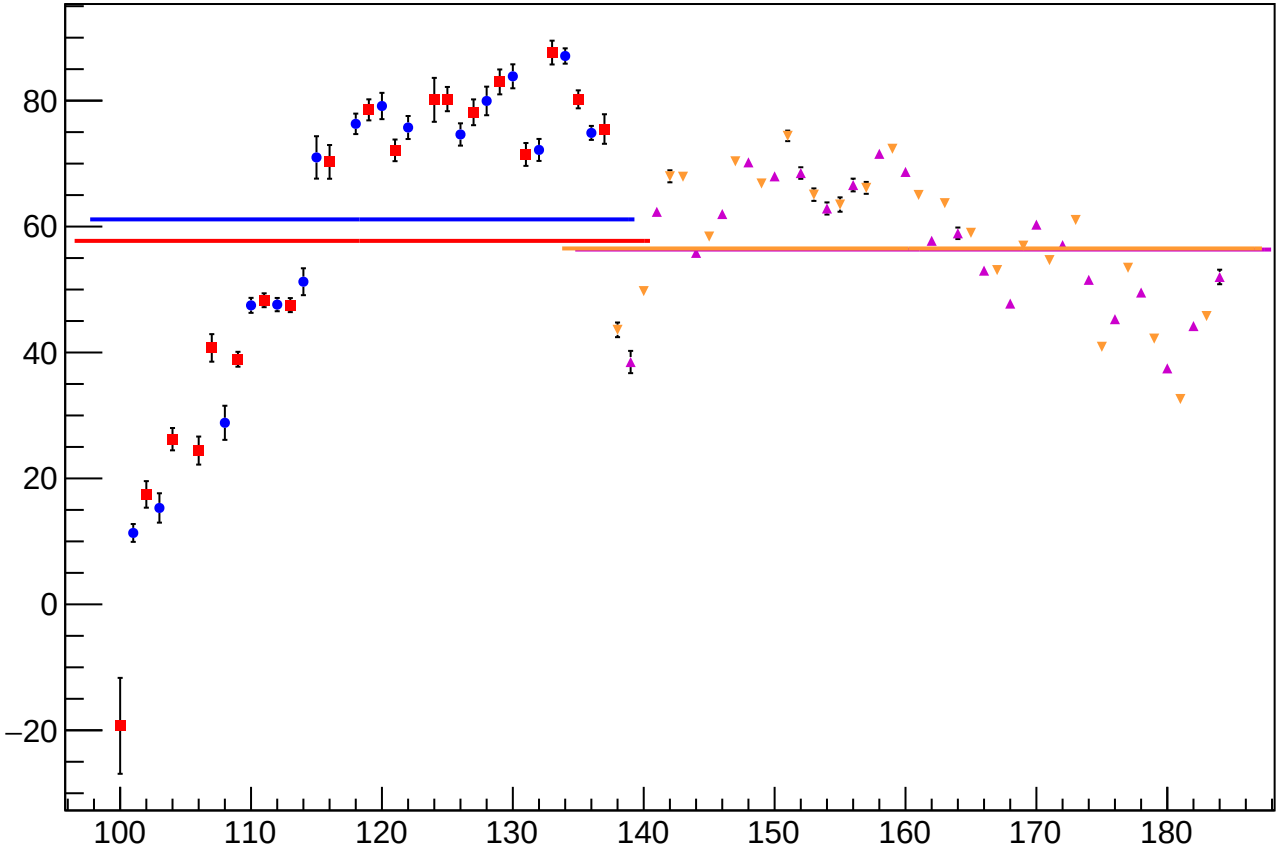
Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -56.652+/-0.153 χ^2/NDF:24029.4/38

Out: -56.320+/-0.151 χ^2/NDF:26635.7/42

All: -56.483+/-0.107 χ^2/NDF: 50667.5/81

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 56.523+/-0.145 χ^2/NDF:5646.7/23

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

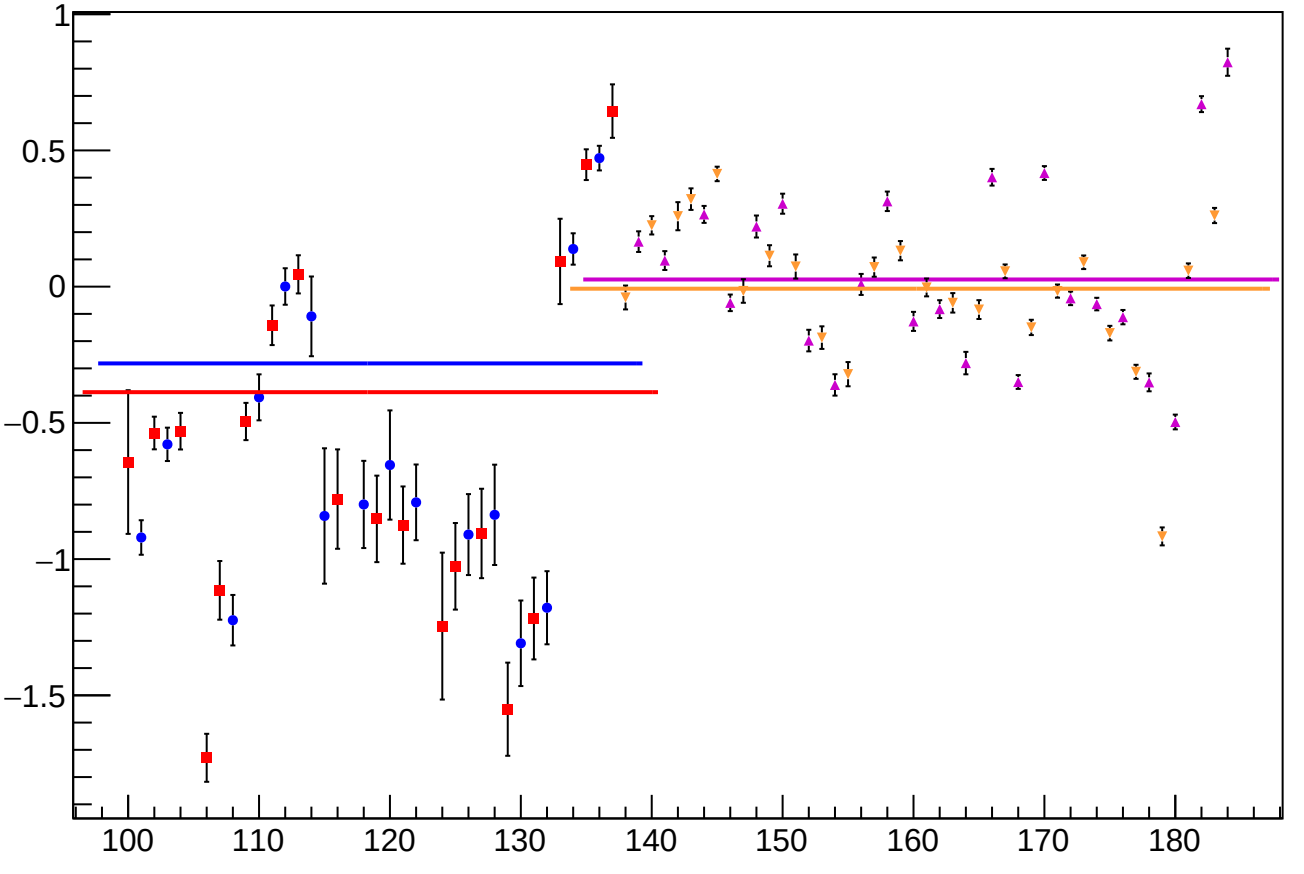
Left: 56.437+/-0.103 χ^2/NDF: 9616.1/46

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 56.919+/-0.138 χ^2/NDF:7324.0/38

Out: 56.664+/-0.137 χ^2/NDF:8430.3/42

All: 56.790+/-0.097 χ^2/NDF: 15756.0/81



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: 0.026+/-0.007 χ^2/NDF:2349.0/22

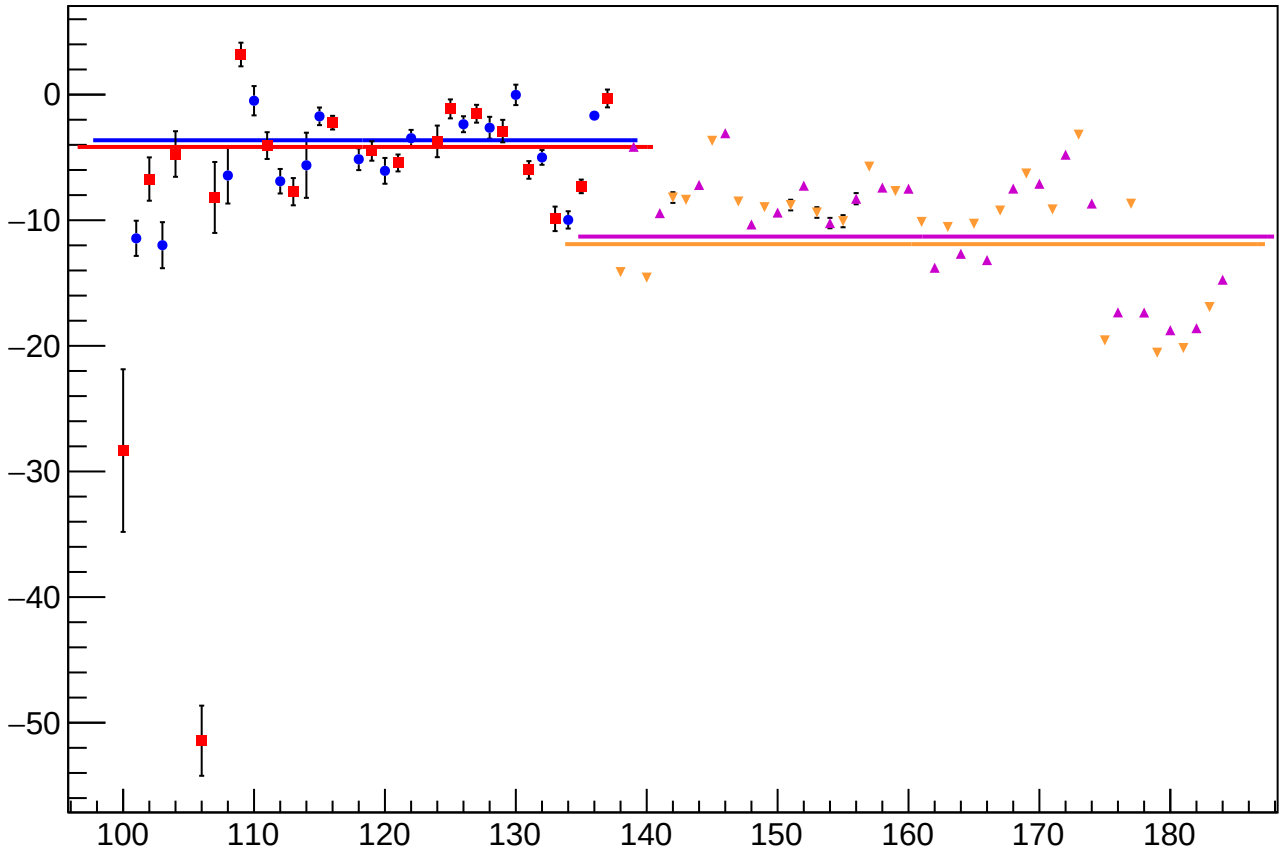
Left: 0.009+/-0.005 χ^2/NDF: 3949.1/46

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

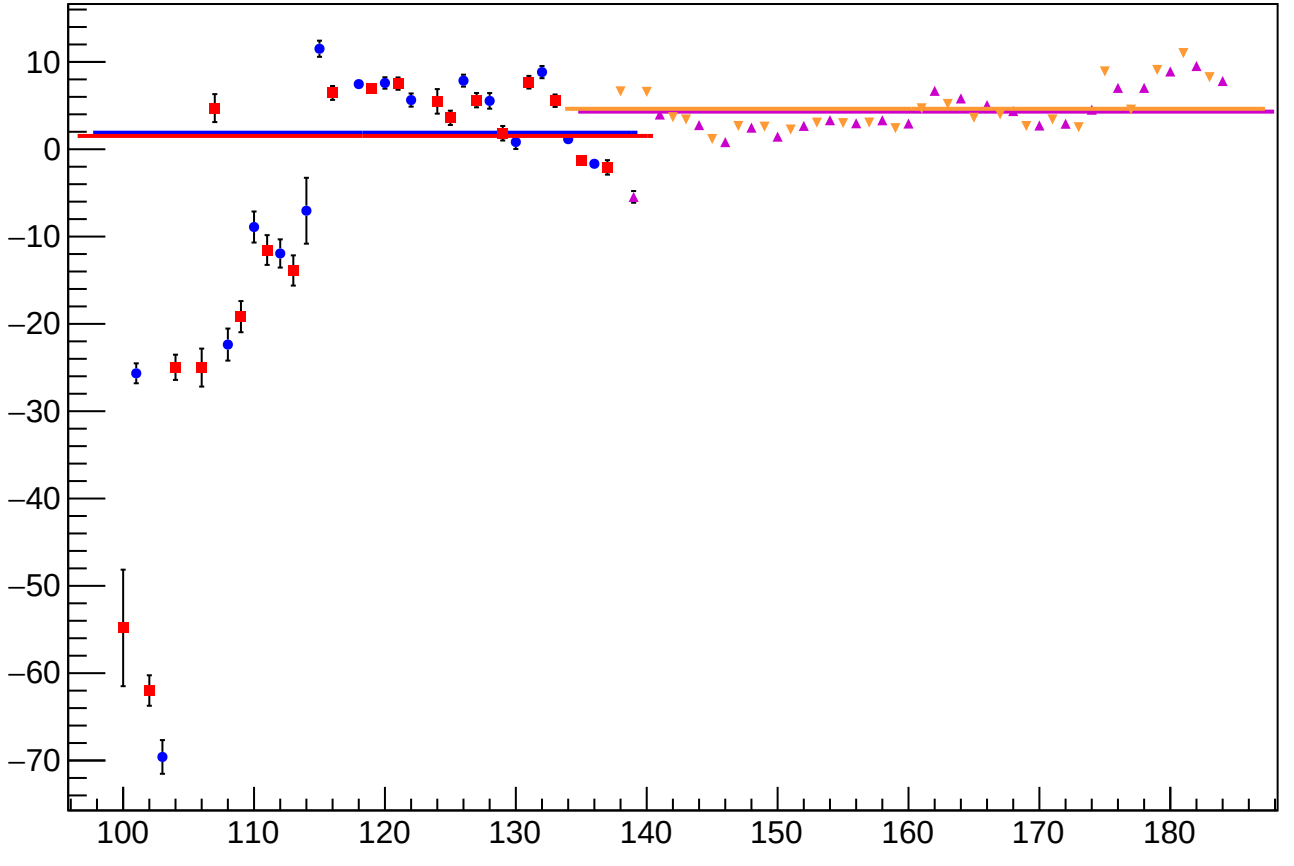
In: 0.000+/-0.006 χ^2/NDF:3262.8/38

Out: -0.039+/-0.006 χ^2/NDF:2681.5/42

All: -0.019+/-0.004 χ^2/NDF: 5963.3/81


reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
180
Right In: -3.634+/-0.189 χ²/NDF: 234.8/15
Left Out: -11.904+/-0.053 χ²/NDF:11775.8/23
Right Out: -4.167+/-0.199 χ²/NDF: 529.7/18
Left In: -11.301+/-0.054 χ²/NDF:9229.2/22
Left: -11.607+/-0.038 χ²/NDF: 21068.3/46
Right: -3.886+/-0.137 χ²/NDF: 768.2/34
In: -10.723+/-0.052 χ²/NDF:10984.9/38
Out: -11.390+/-0.051 χ²/NDF:13710.4/42
All: -11.059+/-0.037 χ²/NDF: 24778.6/81

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: 4.308+/-0.042 χ^2/NDF:3609.0/22

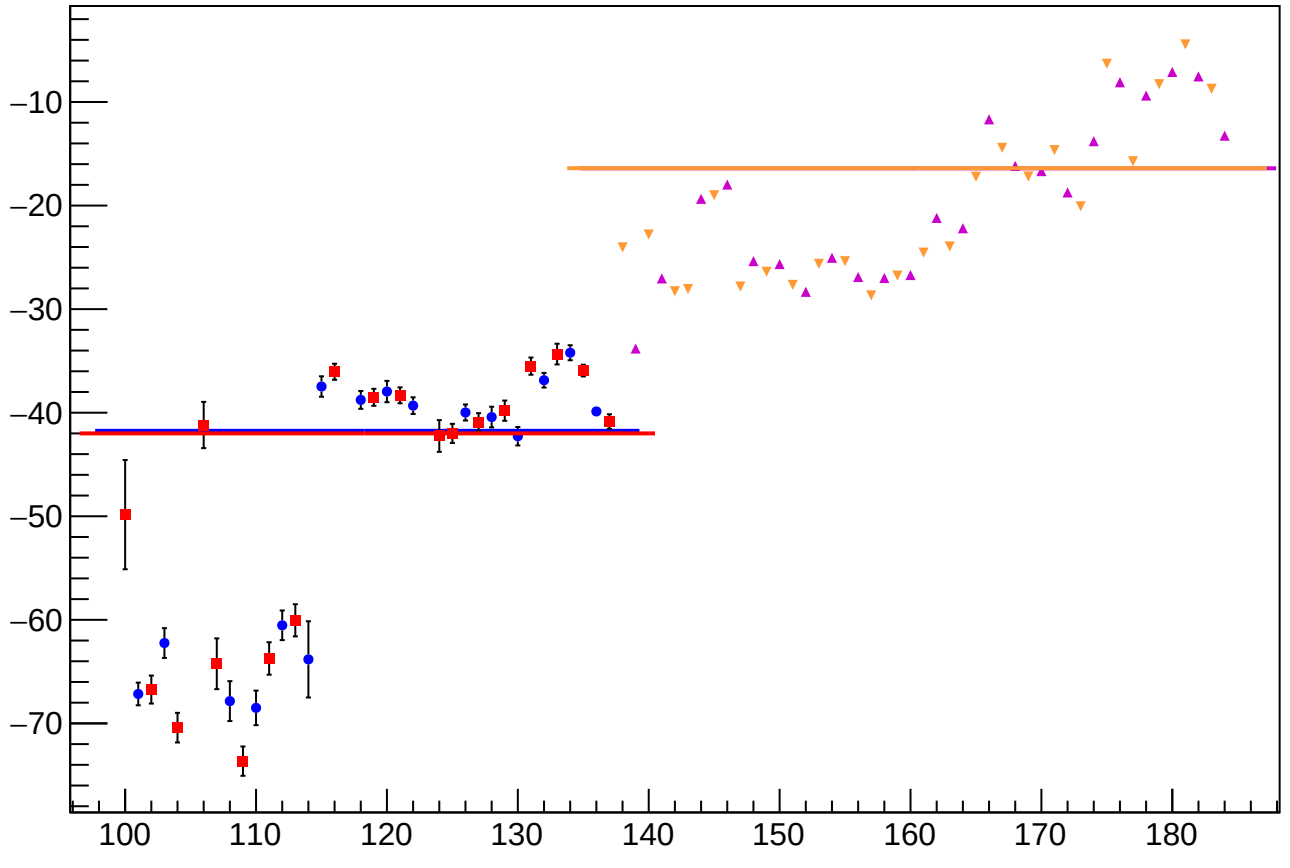
Left: 4.473+/-0.030 χ^2/NDF: 7837.3/46

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 4.194+/-0.041 χ^2/NDF:6602.0/38

Out: 4.515+/-0.041 χ^2/NDF:6972.1/42

All: 4.355+/-0.029 χ^2/NDF: 13604.7/81



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: -16.403+/-0.054 χ^2/NDF:18032.3/22

Left: -16.396+/-0.038 χ^2/NDF: 39827.9/46

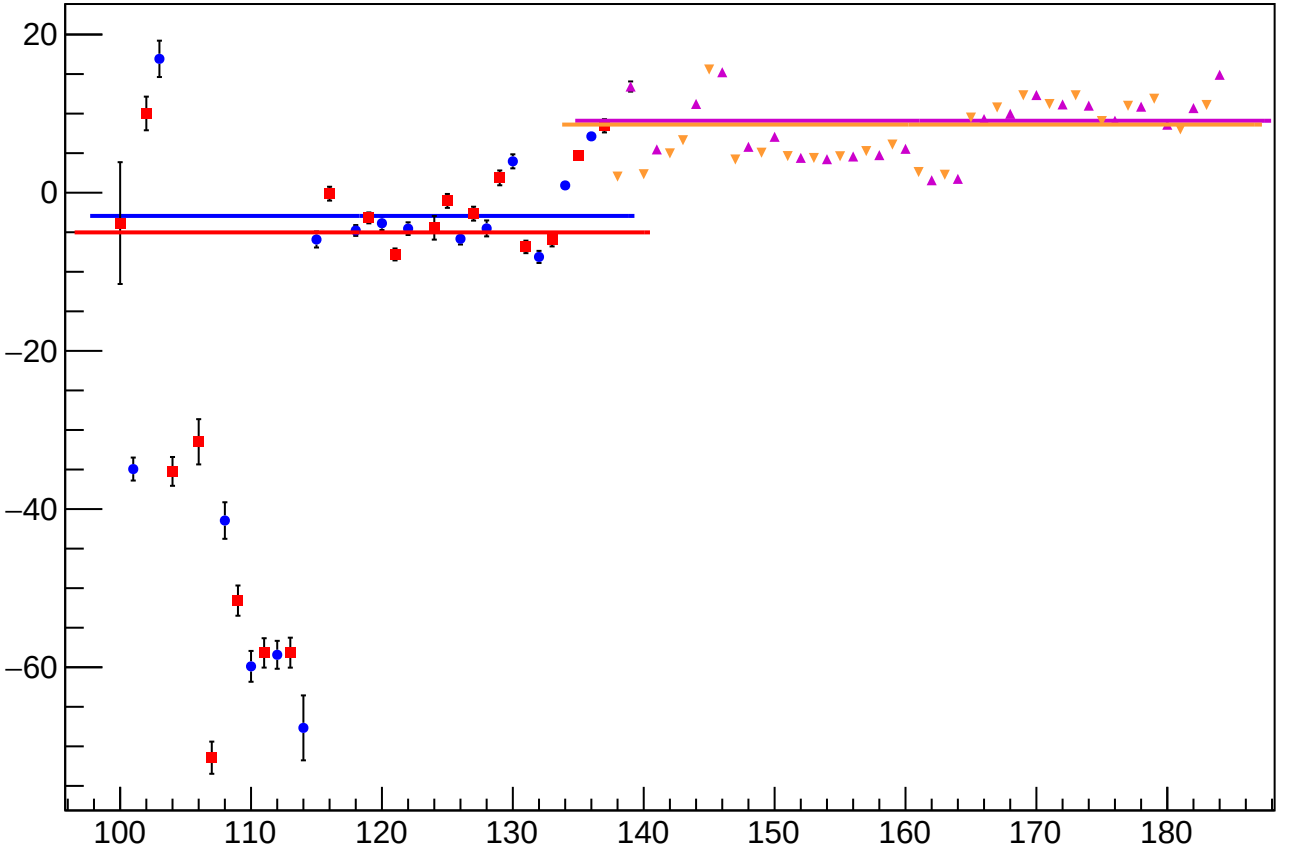
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -18.004+/-0.052 χ^2/NDF:33629.6/38

Out: -17.714+/-0.052 χ^2/NDF:35717.0/42

All: -17.858+/-0.037 χ^2/NDF: 69362.0/81

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: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.852+/-0.033 χ^2/NDF: 12328.4/46

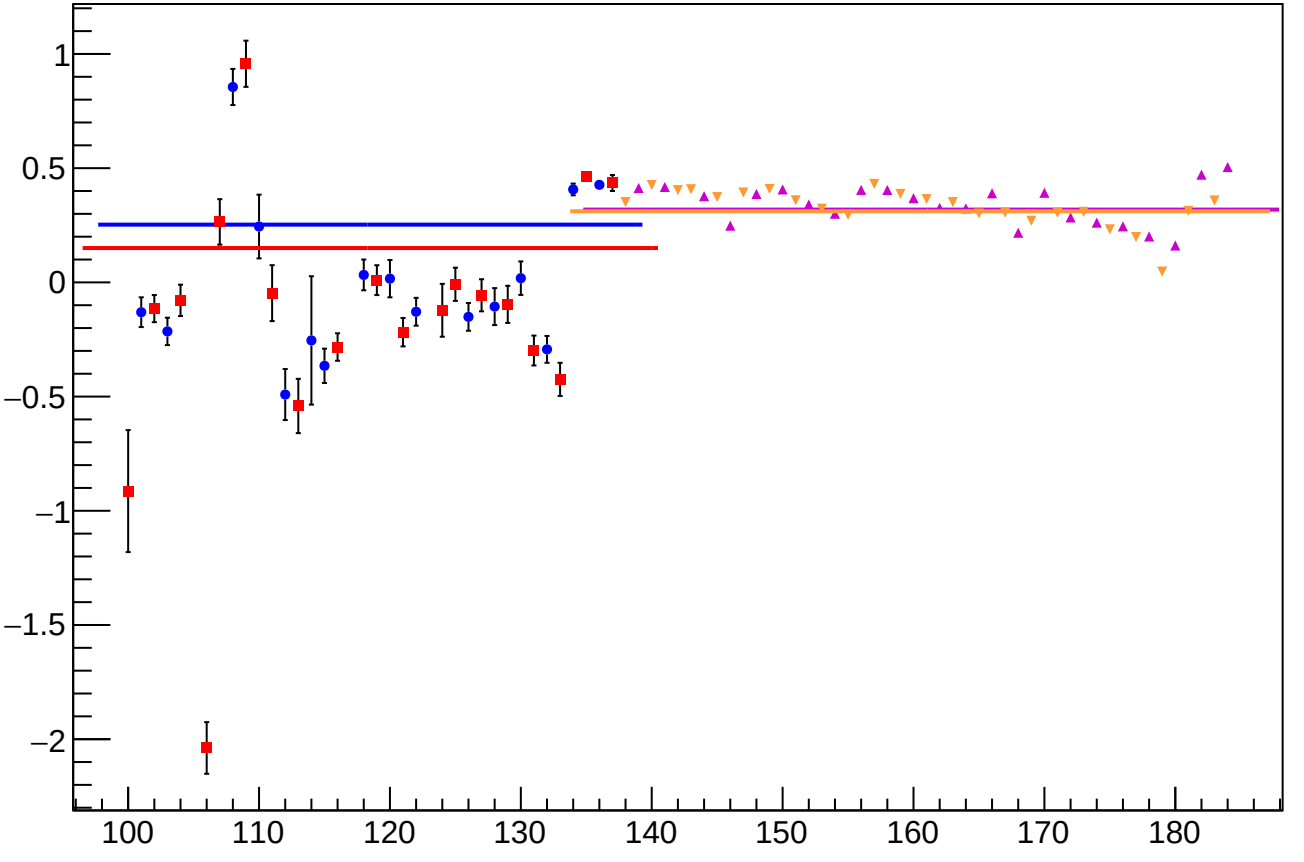
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 8.518+/-0.046 χ^2/NDF:12600.6/38

Out: 8.082+/-0.046 χ^2/NDF:14236.0/42

All: 8.299+/-0.032 χ^2/NDF: 26882.0/81

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: 0.319+/-0.002 χ^2/NDF:1787.8/22

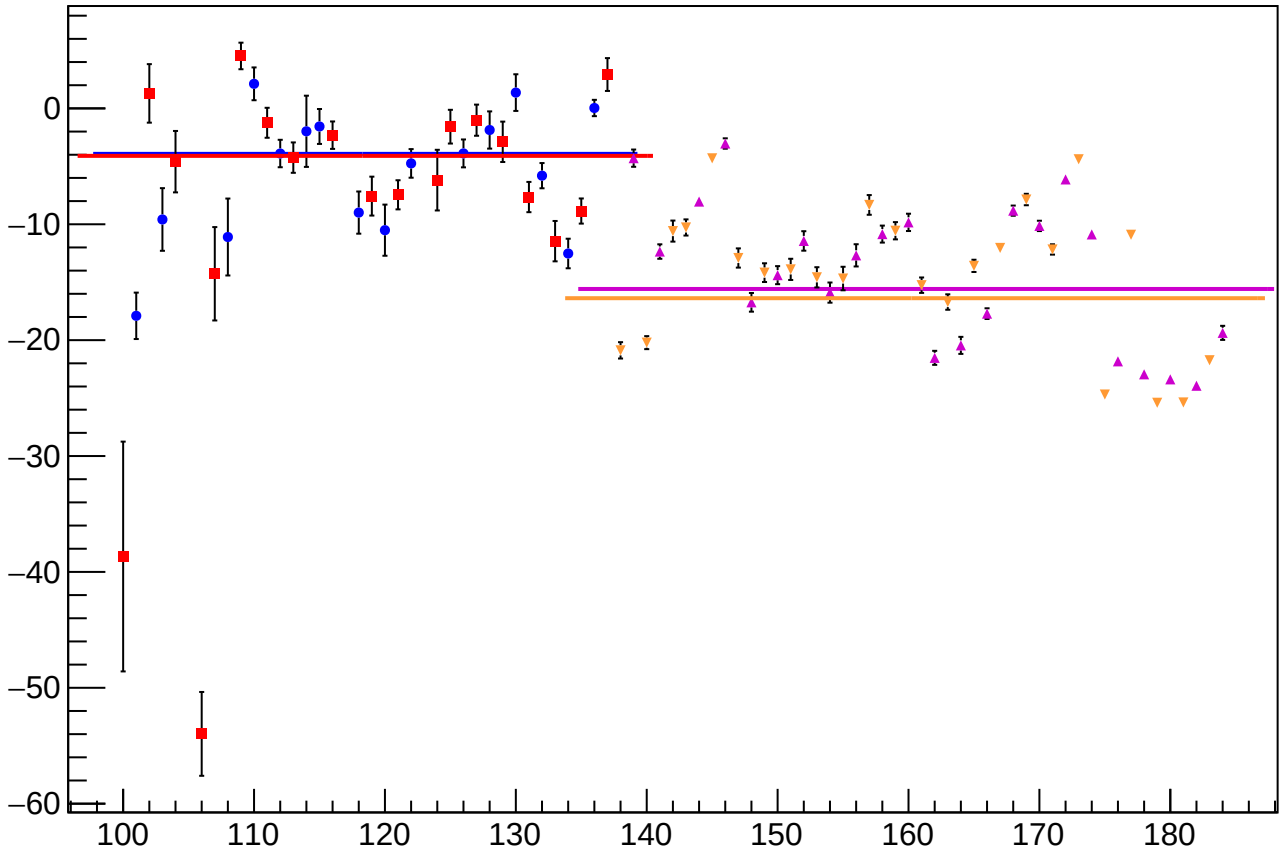
Left: 0.315+/-0.001 χ^2/NDF: 3332.7/46

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.317+/-0.002 χ^2/NDF:2450.6/38

Out: 0.307+/-0.002 χ^2/NDF:2698.5/42

All: 0.312+/-0.001 χ^2/NDF: 5158.8/81



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: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.986+/-0.072 χ^2/NDF: 10208.6/46

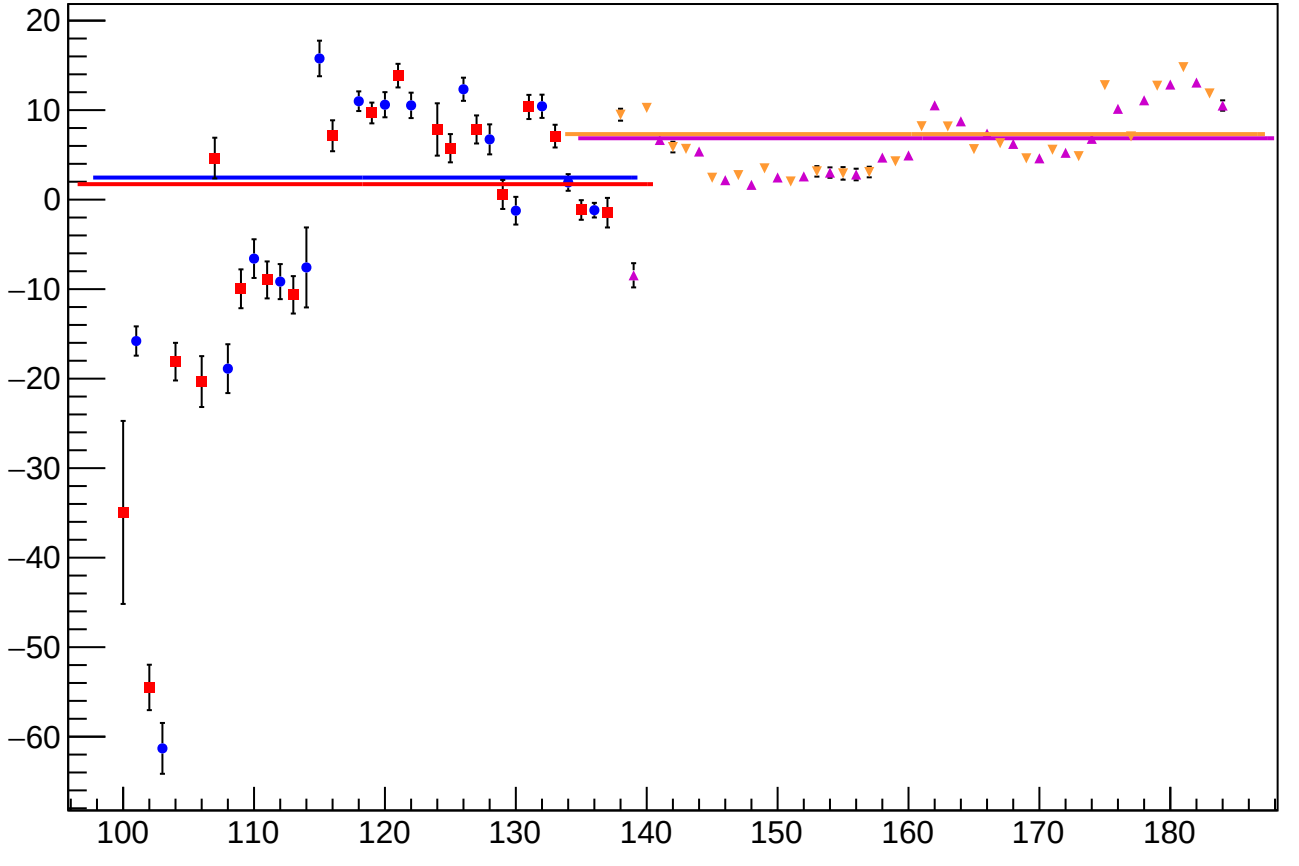
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -14.650+/-0.098 χ^2/NDF:5993.1/38

Out: -15.474+/-0.097 χ^2/NDF:6882.3/42

All: -15.066+/-0.069 χ^2/NDF: 12911.2/81

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: 6.856+/-0.081 χ^2/NDF:2156.4/22

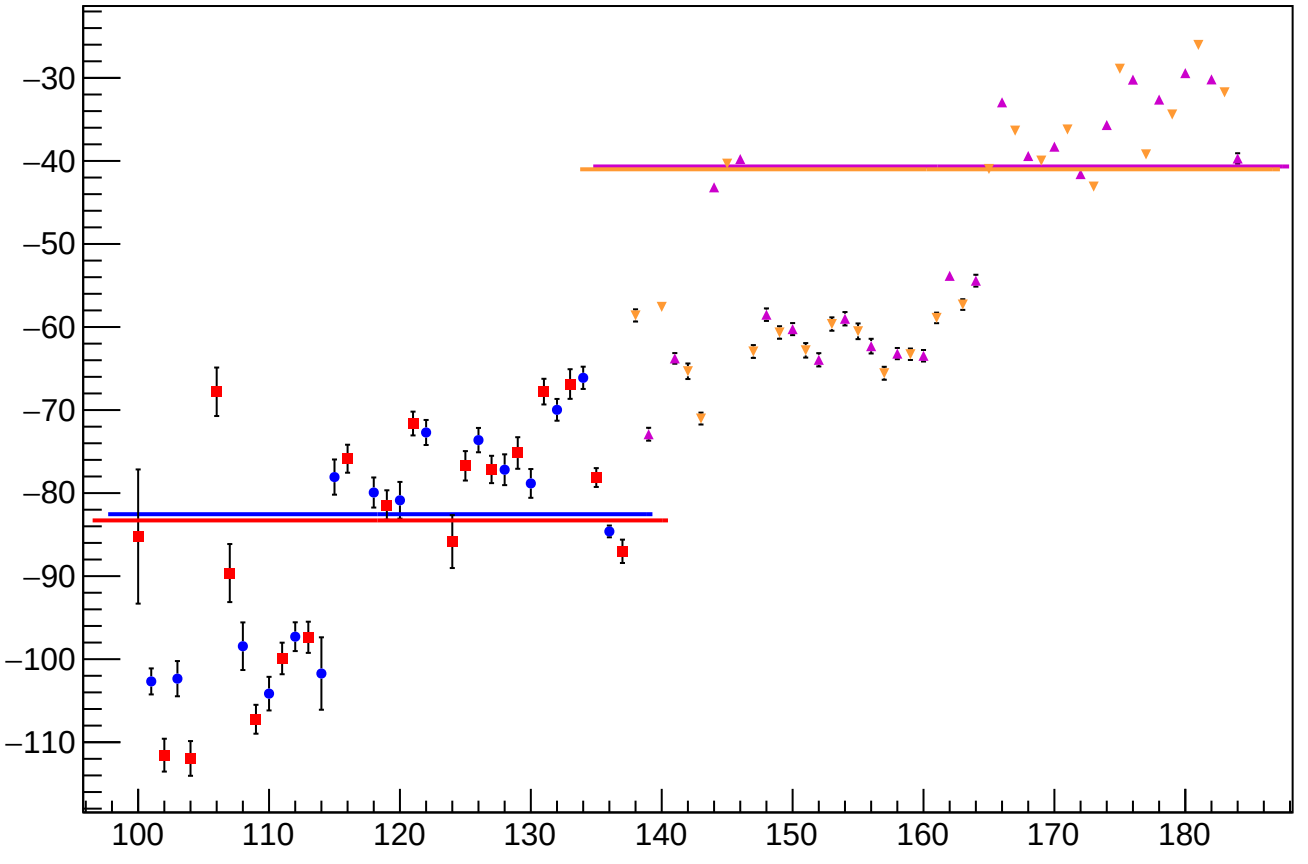
Left: 7.089+/-0.057 χ^2/NDF: 4550.8/46

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 6.640+/-0.079 χ^2/NDF:3347.2/38

Out: 7.086+/-0.079 χ^2/NDF:3562.1/42

All: 6.862+/-0.056 χ^2/NDF: 6925.1/81



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -41.007+/-0.101 χ^2/NDF:15957.9/23

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.838+/-0.072 χ^2/NDF: 29504.8/46

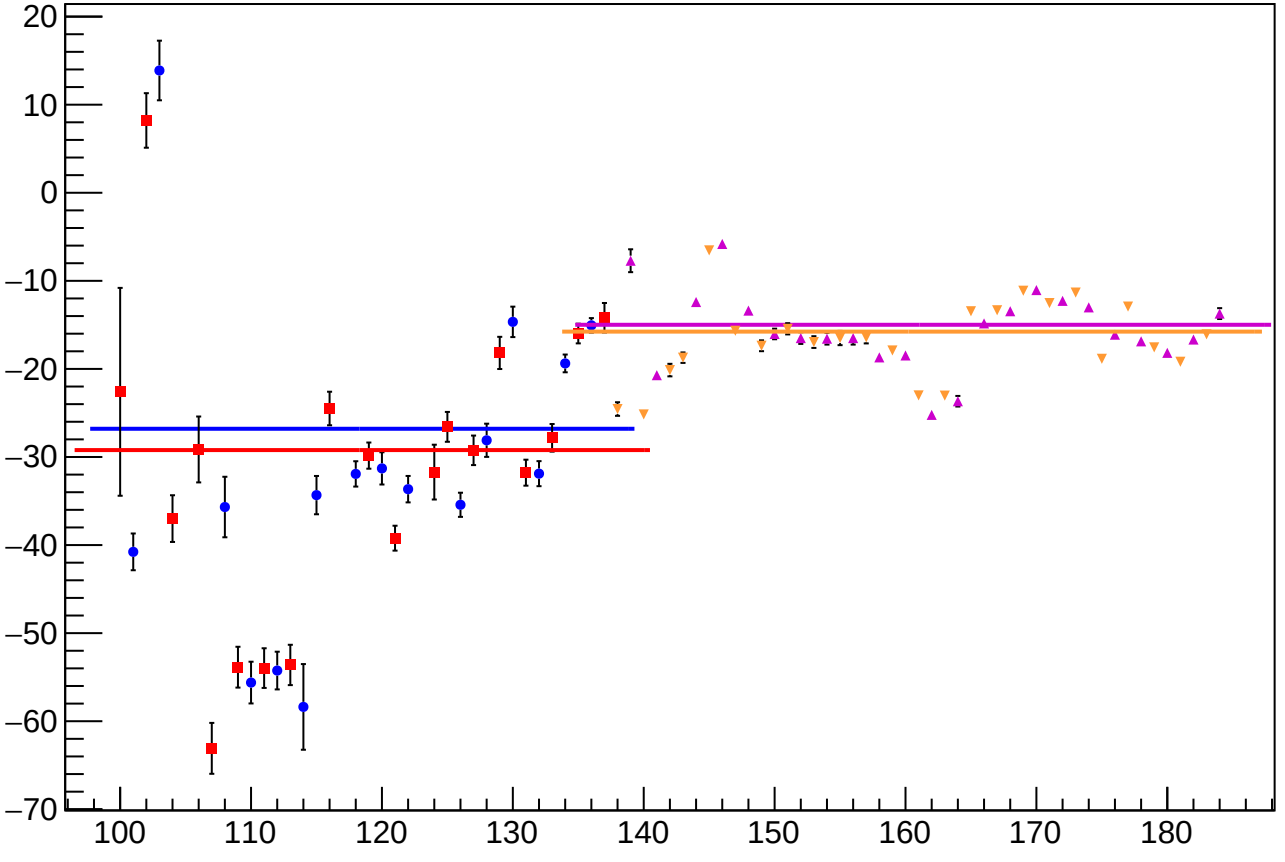
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -43.432+/-0.099 χ^2/NDF:25469.0/38

Out: -43.391+/-0.098 χ^2/NDF:26881.4/42

All: -43.411+/-0.070 χ^2/NDF: 52350.5/81

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: -14.990+/-0.090 χ^2/NDF:2150.9/22

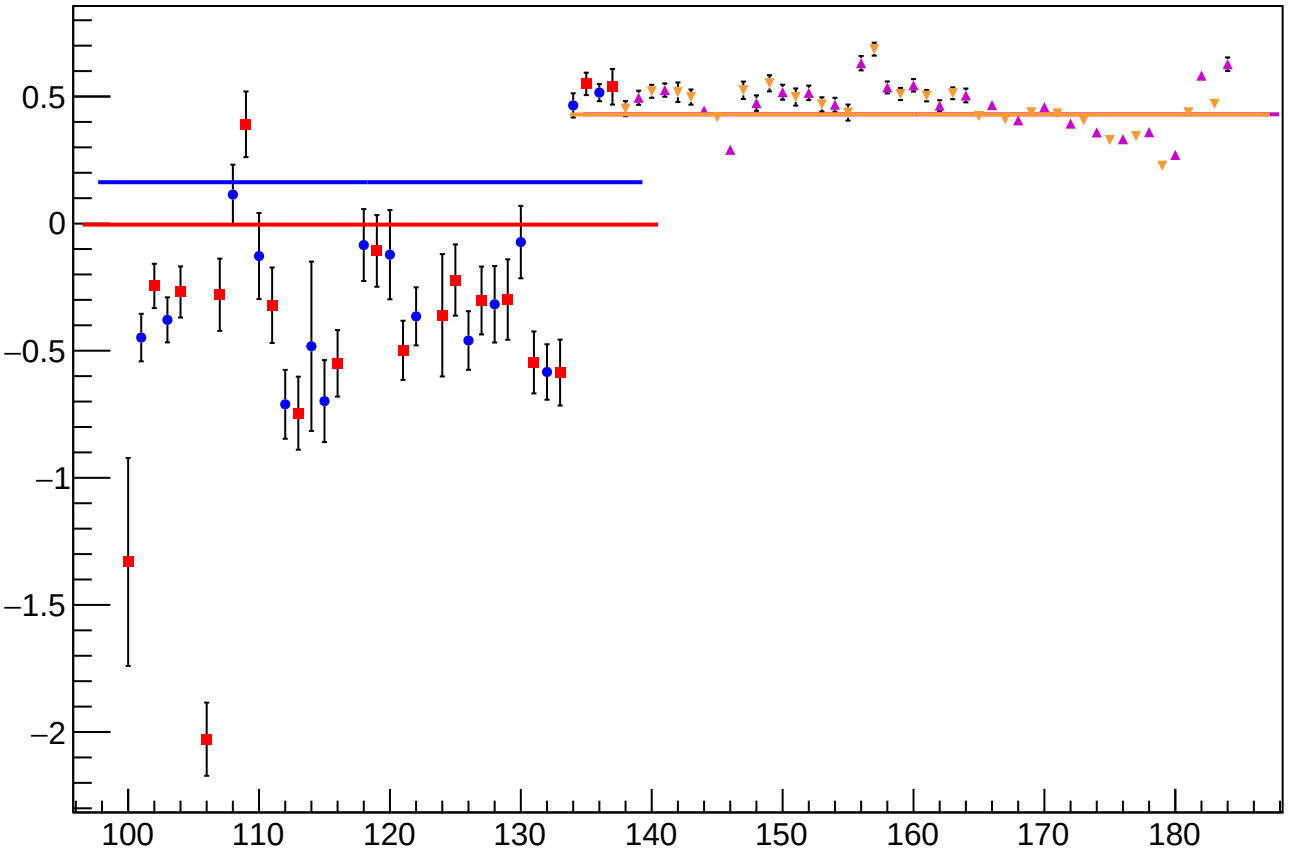
Left: -15.378+/-0.064 χ^2/NDF: 4539.6/46

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.574+/-0.088 χ^2/NDF:3960.9/38

Out: -16.326+/-0.088 χ^2/NDF:4245.4/42

All: -15.950+/-0.062 χ^2/NDF: 8242.8/81



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: 0.430+/-0.004 χ^2/NDF:583.6/22

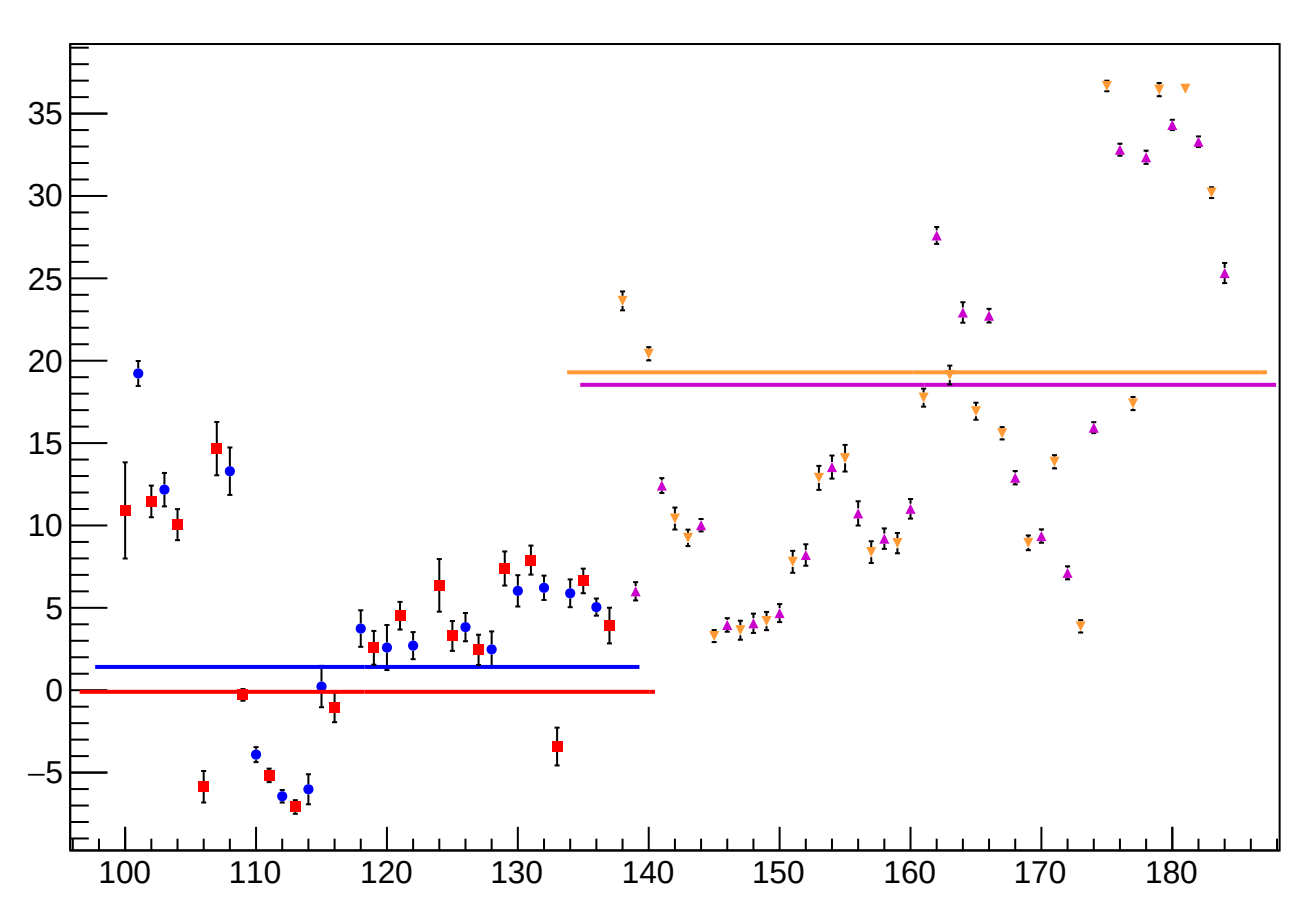
Left: 0.430+/-0.003 χ^2/NDF: 998.8/46

Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.421+/-0.004 χ^2/NDF:1156.7/38

Out: 0.418+/-0.004 χ^2/NDF:1295.3/42

All: 0.419+/-0.003 χ^2/NDF: 2452.2/81



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: 18.535+/-0.093 χ^2/NDF:14066.0/22

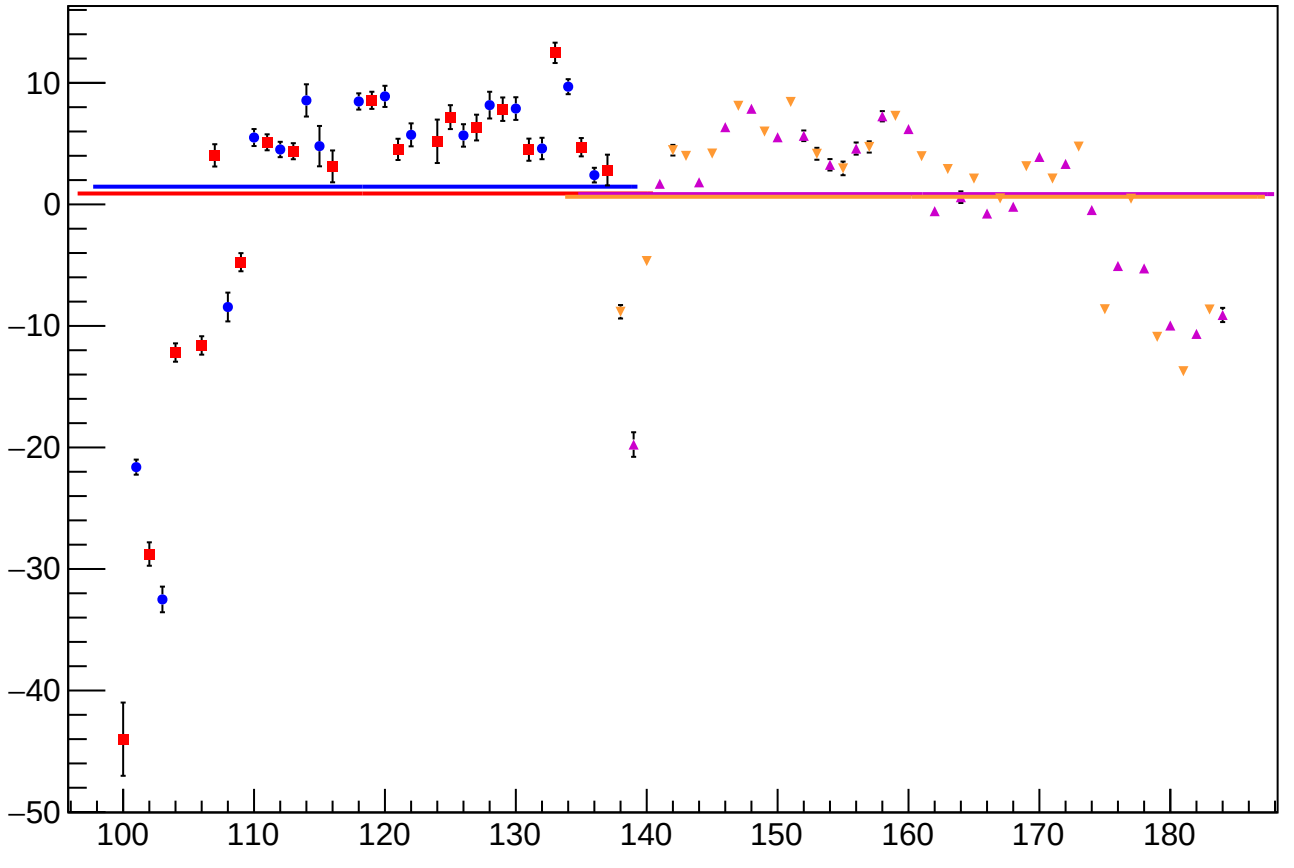
Left: 18.923+/-0.065 χ^2/NDF: 31383.2/46

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 15.009+/-0.083 χ^2/NDF:22533.0/38

Out: 14.844+/-0.080 χ^2/NDF:28772.1/42

All: 14.924+/-0.058 χ^2/NDF: 51307.1/81



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: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.735+/-0.051 χ^2/NDF: 14225.5/46

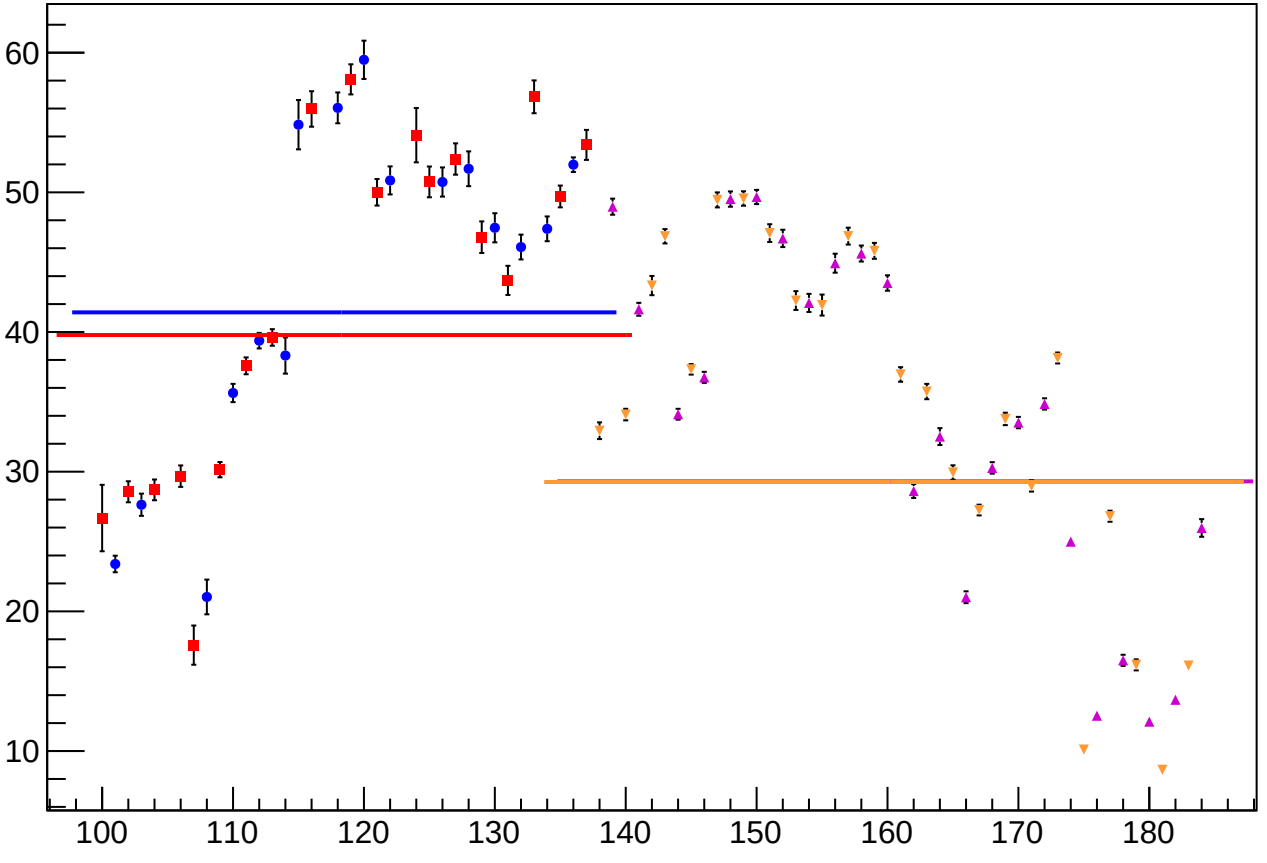
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 0.915+/-0.068 χ^2/NDF:9133.7/38

Out: 0.657+/-0.067 χ^2/NDF:10554.2/42

All: 0.784+/-0.048 χ^2/NDF: 19695.1/81

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: 29.306+/-0.093 χ^2/NDF:17870.3/22

Left: 29.283+/-0.065 χ^2/NDF: 38526.3/46

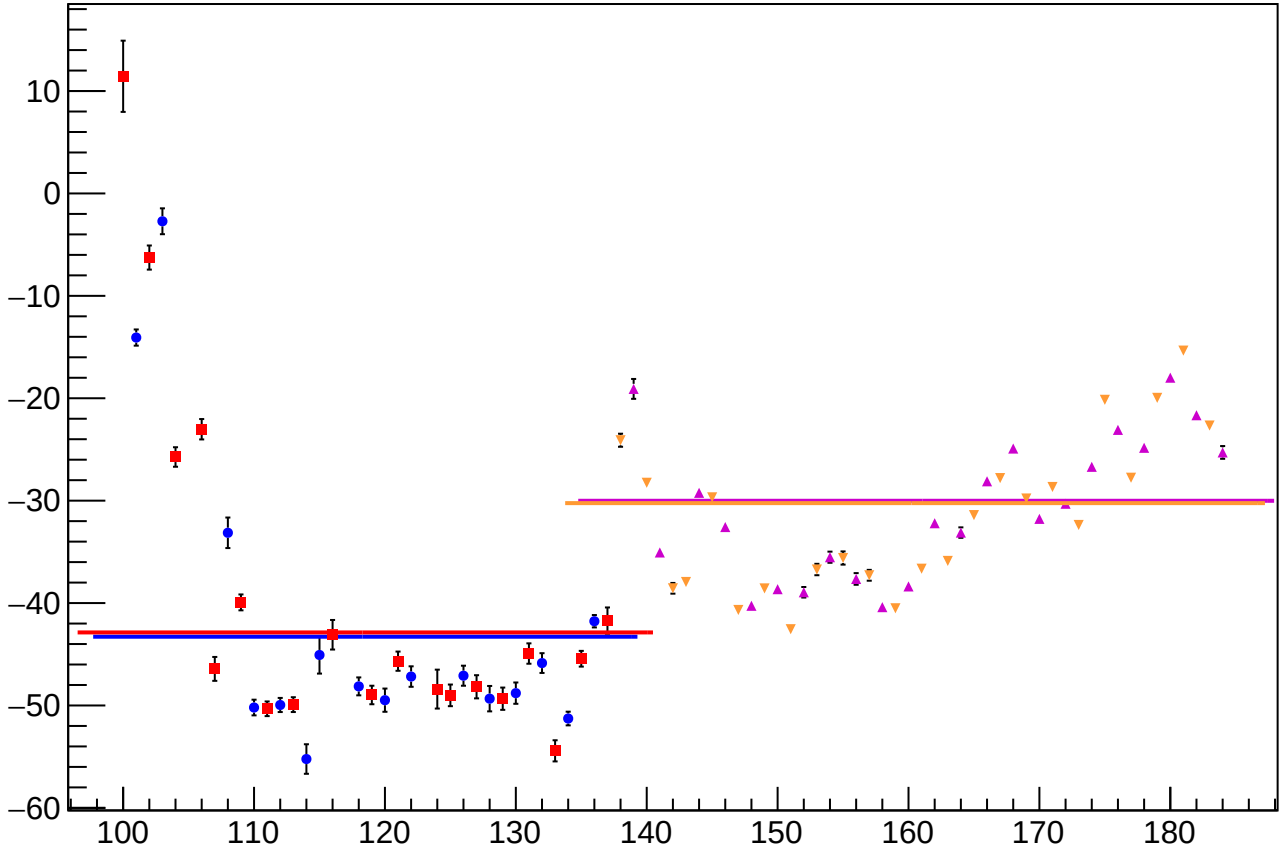
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 31.283+/-0.085 χ^2/NDF:23377.5/38

Out: 31.039+/-0.083 χ^2/NDF:25545.7/42

All: 31.159+/-0.060 χ^2/NDF: 48927.4/81

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: -30.012+/-0.081 χ^2/NDF:6083.1/22

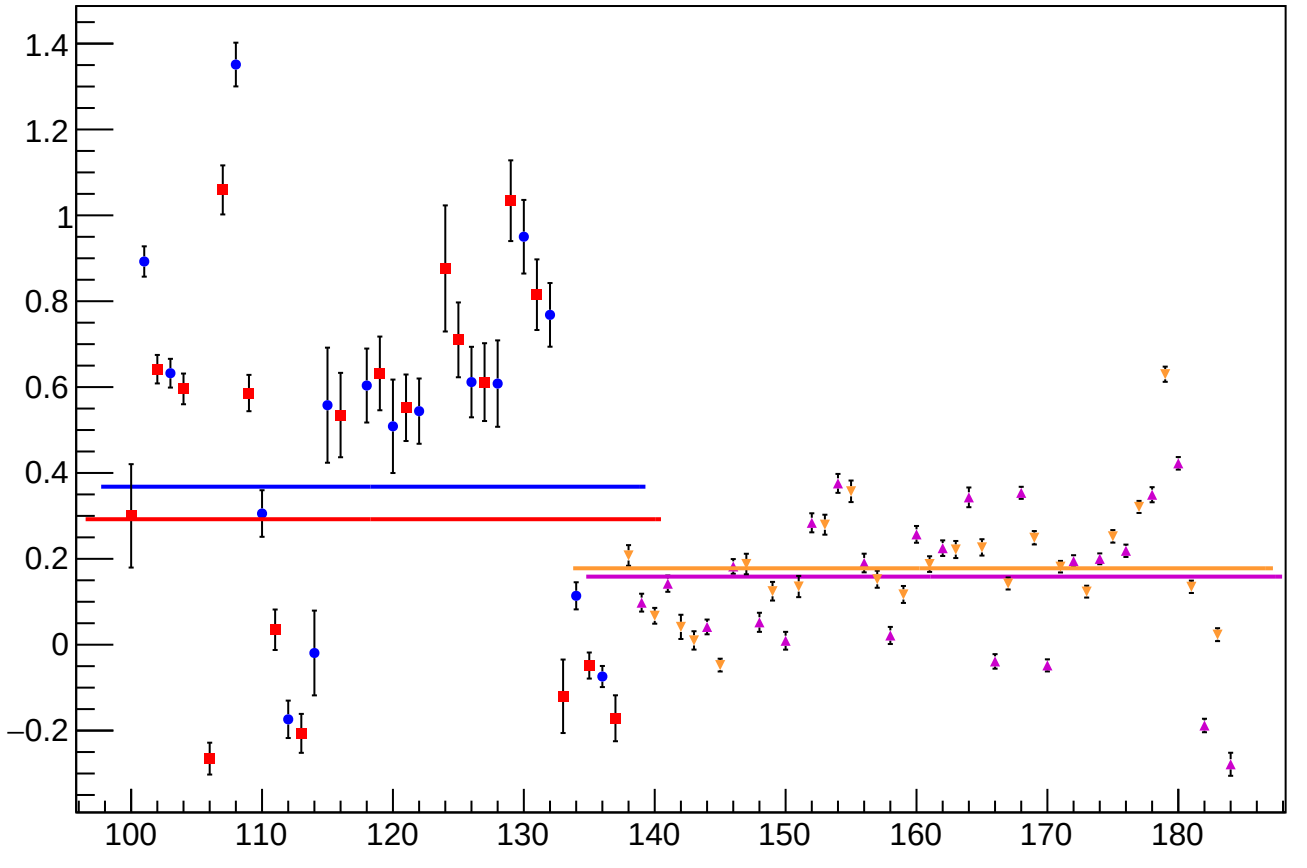
Left: -30.128+/-0.057 χ^2/NDF: 14581.2/46

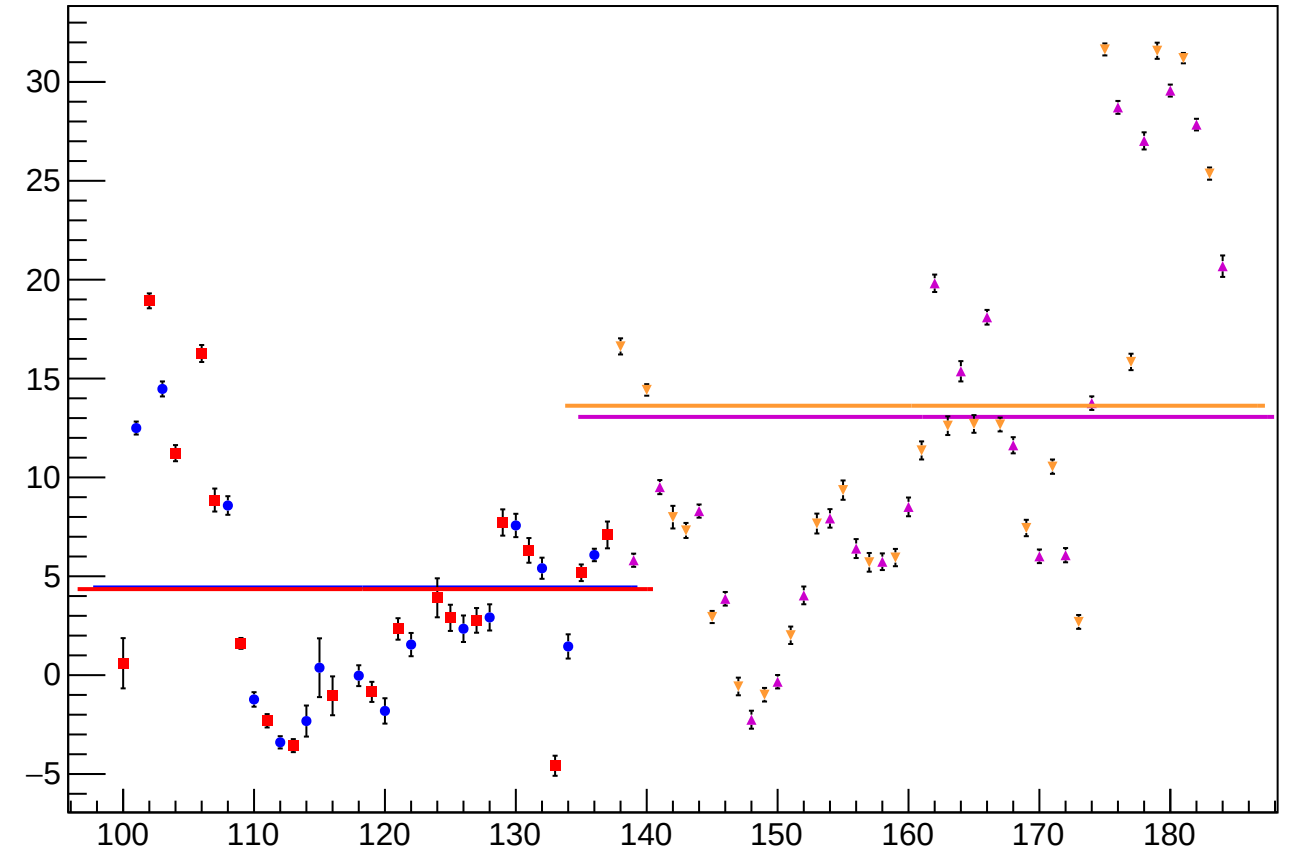
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -31.494+/-0.077 χ^2/NDF:12044.2/38

Out: -31.615+/-0.076 χ^2/NDF:13656.9/42

All: -31.555+/-0.054 χ^2/NDF: 25702.4/81


reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.368+/-0.012 χ²/NDF: 1320.9/15
Left Out: 0.178+/-0.004 χ²/NDF:1392.5/23
Right Out: 0.292+/-0.012 χ²/NDF: 1199.2/18
Left In: 0.159+/-0.004 χ²/NDF:2187.4/22
Left: 0.168+/-0.003 χ²/NDF: 3594.3/46
Right: 0.330+/-0.009 χ²/NDF: 2539.6/34
In: 0.176+/-0.003 χ²/NDF:3779.0/38
Out: 0.187+/-0.003 χ²/NDF:2673.7/42
All: 0.181+/-0.002 χ²/NDF: 6458.3/81



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: 13.061+/-0.079 χ^2/NDF:15559.8/22

Left: 13.349+/-0.055 χ^2/NDF: 34261.5/46

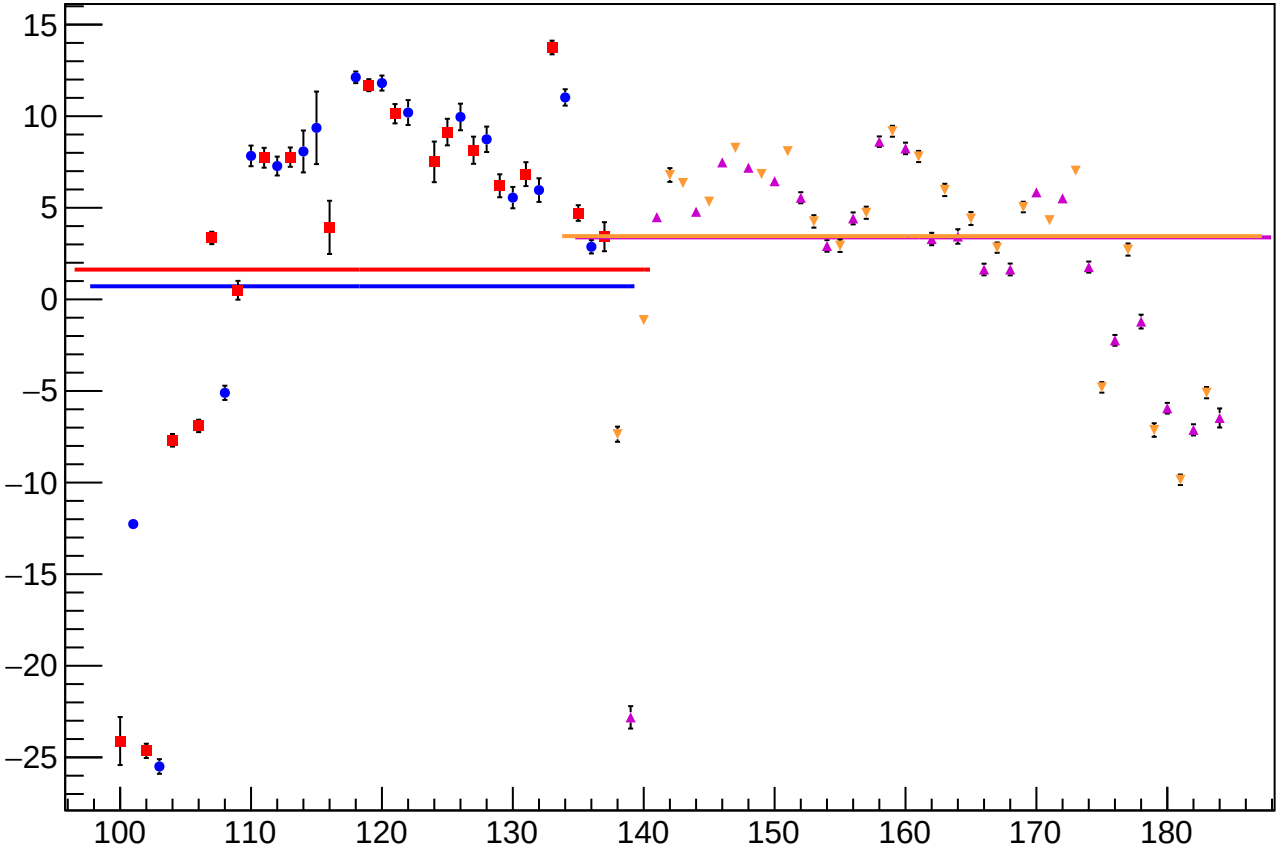
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 10.344+/-0.066 χ^2/NDF:21907.3/38

Out: 10.514+/-0.063 χ^2/NDF:27683.8/42

All: 10.432+/-0.046 χ^2/NDF: 49594.5/81

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: 3.385+/-0.061 χ^2/NDF:6707.6/22

Left: 3.420+/-0.042 χ^2/NDF: 14573.3/46

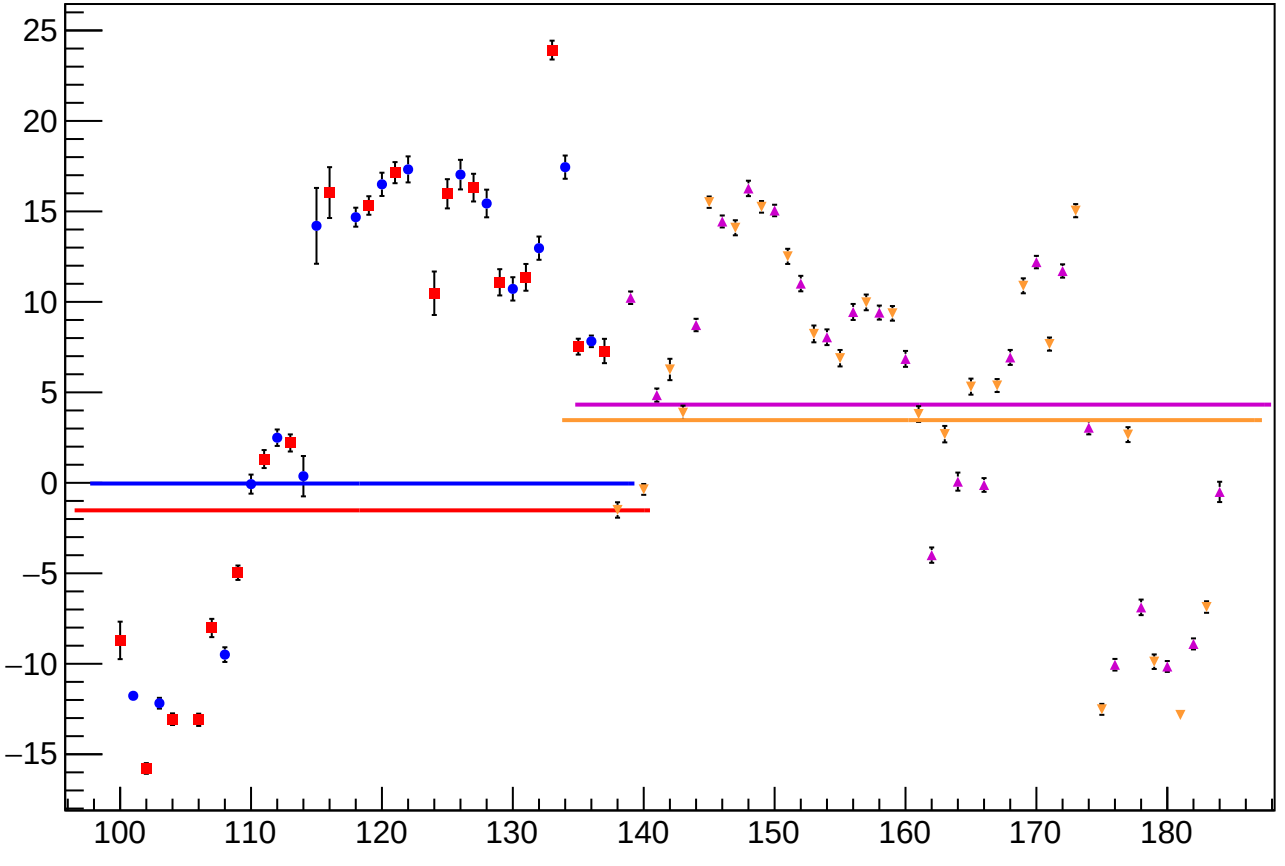
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 2.806+/-0.054 χ^2/NDF:17577.1/38

Out: 3.050+/-0.052 χ^2/NDF:17331.3/42

All: 2.932+/-0.037 χ^2/NDF: 34918.9/81

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 3.465+/-0.077 χ^2/NDF:14875.4/23

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

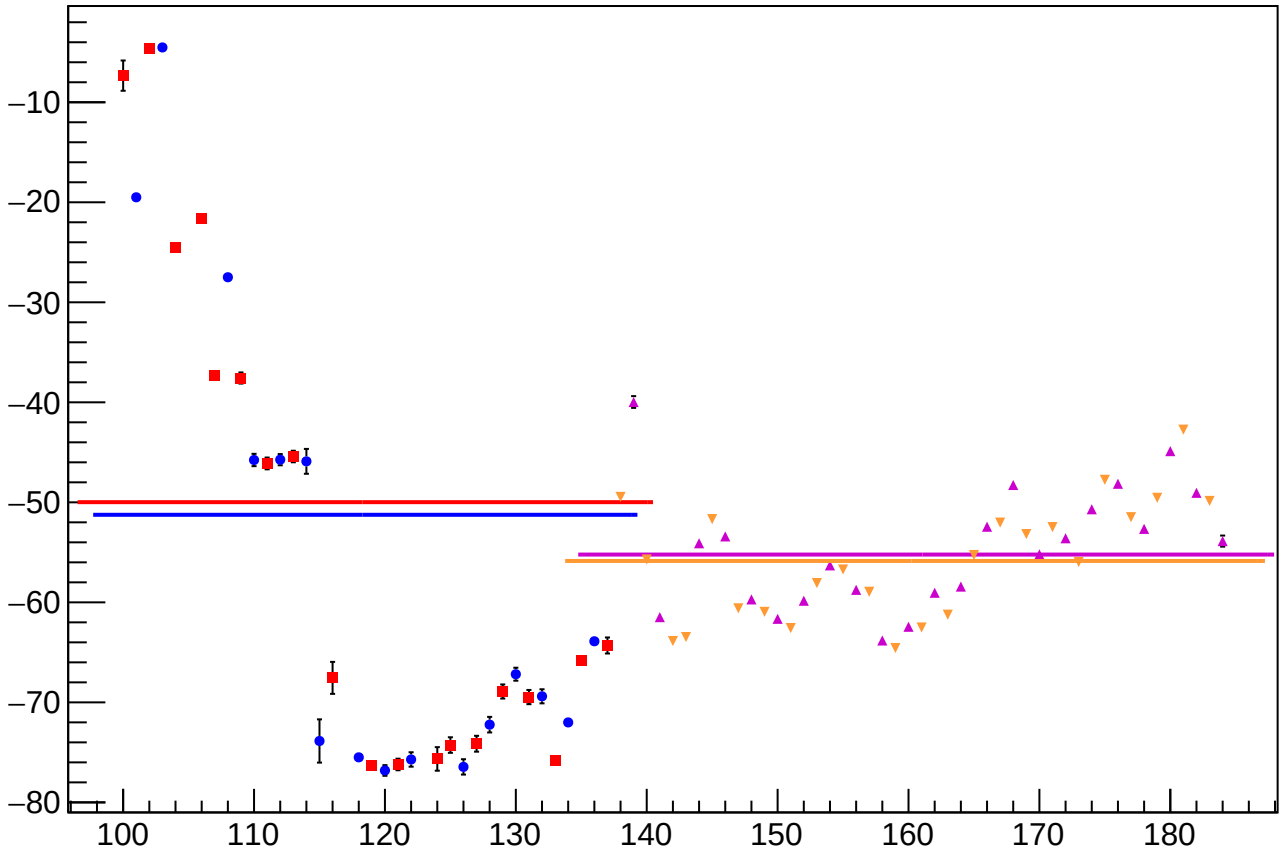
Left: 3.885+/-0.055 χ^2/NDF: 27419.4/46

Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 3.003+/-0.066 χ^2/NDF:22688.5/38

Out: 1.921+/-0.064 χ^2/NDF:28301.3/42

All: 2.449+/-0.046 χ^2/NDF: 51129.1/81



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: -55.222+/-0.069 χ^2/NDF:6343.0/22

Left: -55.551+/-0.048 χ^2/NDF: 13968.2/46

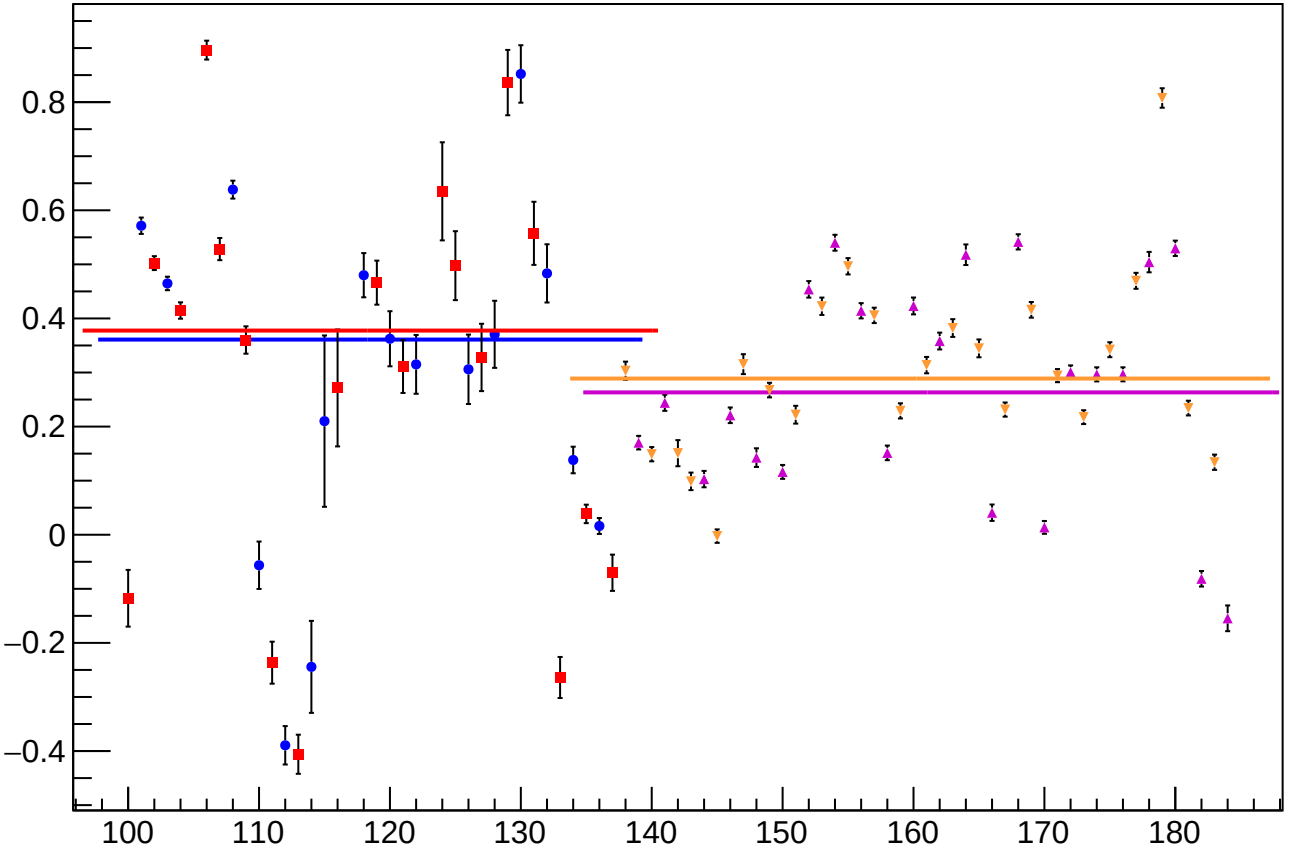
Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -54.411+/-0.061 χ^2/NDF:40791.2/38

Out: -54.640+/-0.060 χ^2/NDF:43076.6/42

All: -54.529+/-0.043 χ^2/NDF: 83875.0/81

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.289+/-0.003 χ^2/NDF:2498.0/23

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

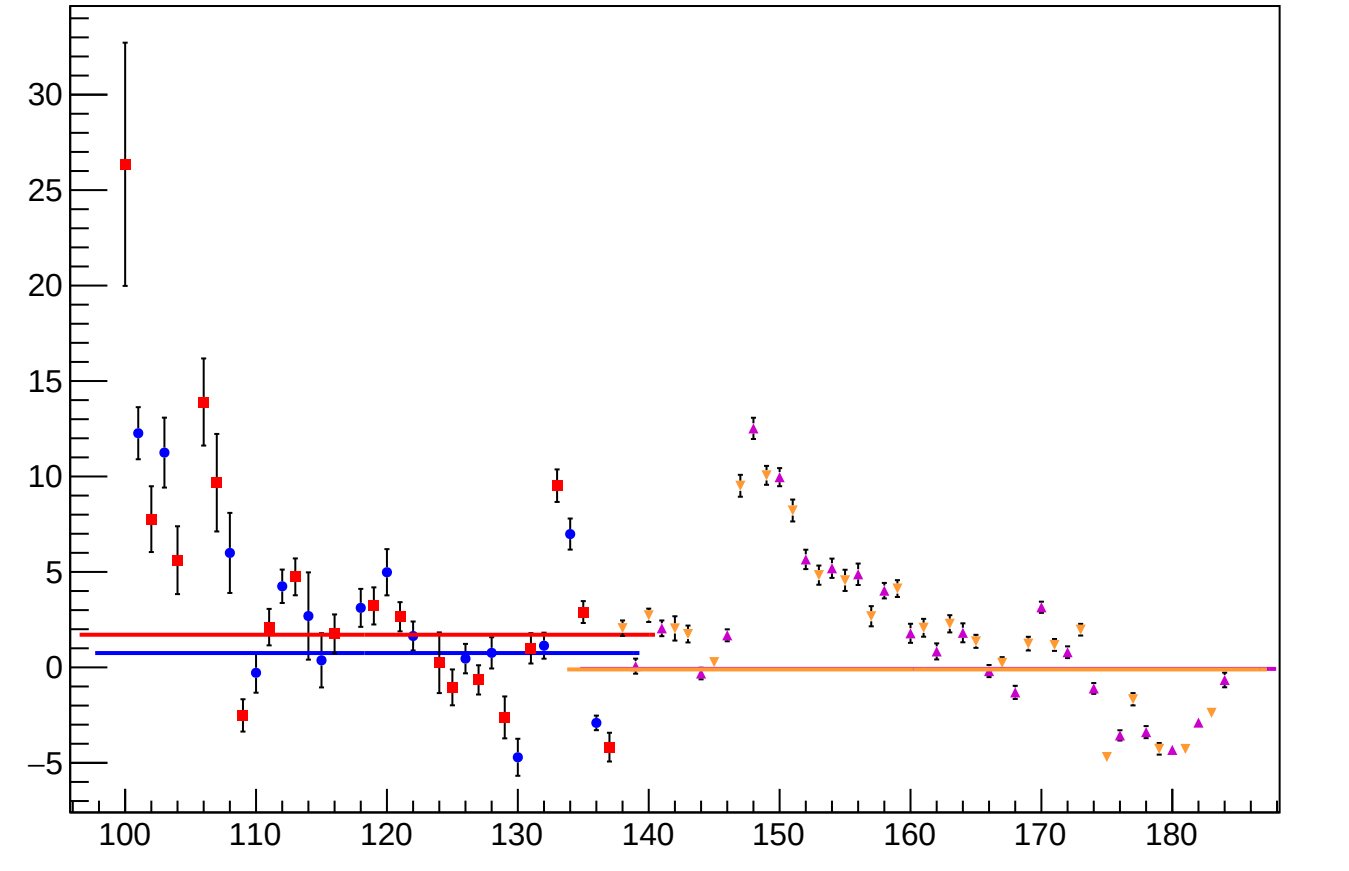
Left: 0.276+/-0.002 χ^2/NDF: 6369.7/46

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.281+/-0.003 χ^2/NDF:5887.8/38

Out: 0.306+/-0.003 χ^2/NDF:5457.9/42

All: 0.294+/-0.002 χ^2/NDF: 11387.5/81



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: -0.107+/-0.070 χ^2/NDF:2638.5/23

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

Left: -0.094+/-0.050 χ^2/NDF: 5103.1/46

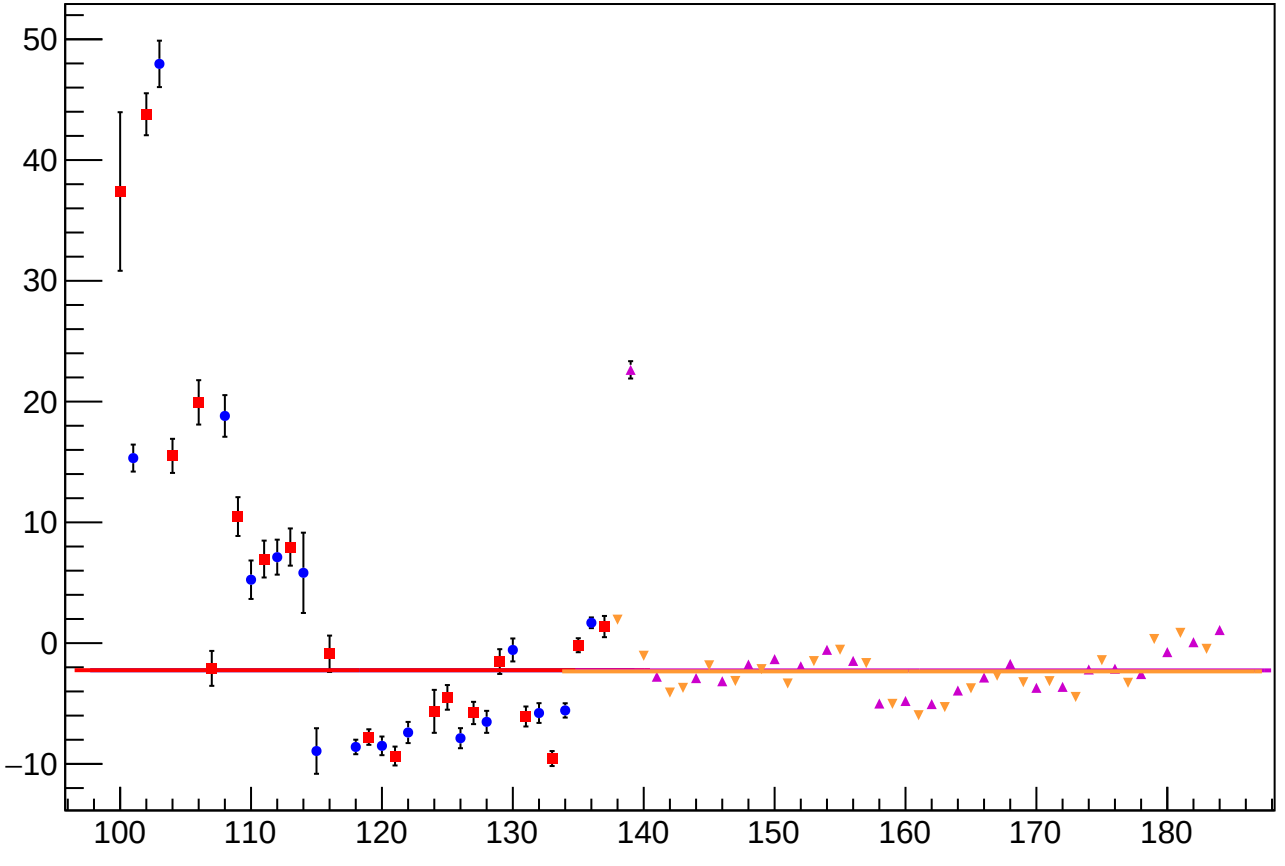
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 0.003+/-0.067 χ^2/NDF:2808.4/38

Out: 0.054+/-0.066 χ^2/NDF:2993.0/42

All: 0.029+/-0.047 χ^2/NDF: 5801.7/81

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: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.298+/-0.040 χ^2/NDF: 3001.6/46

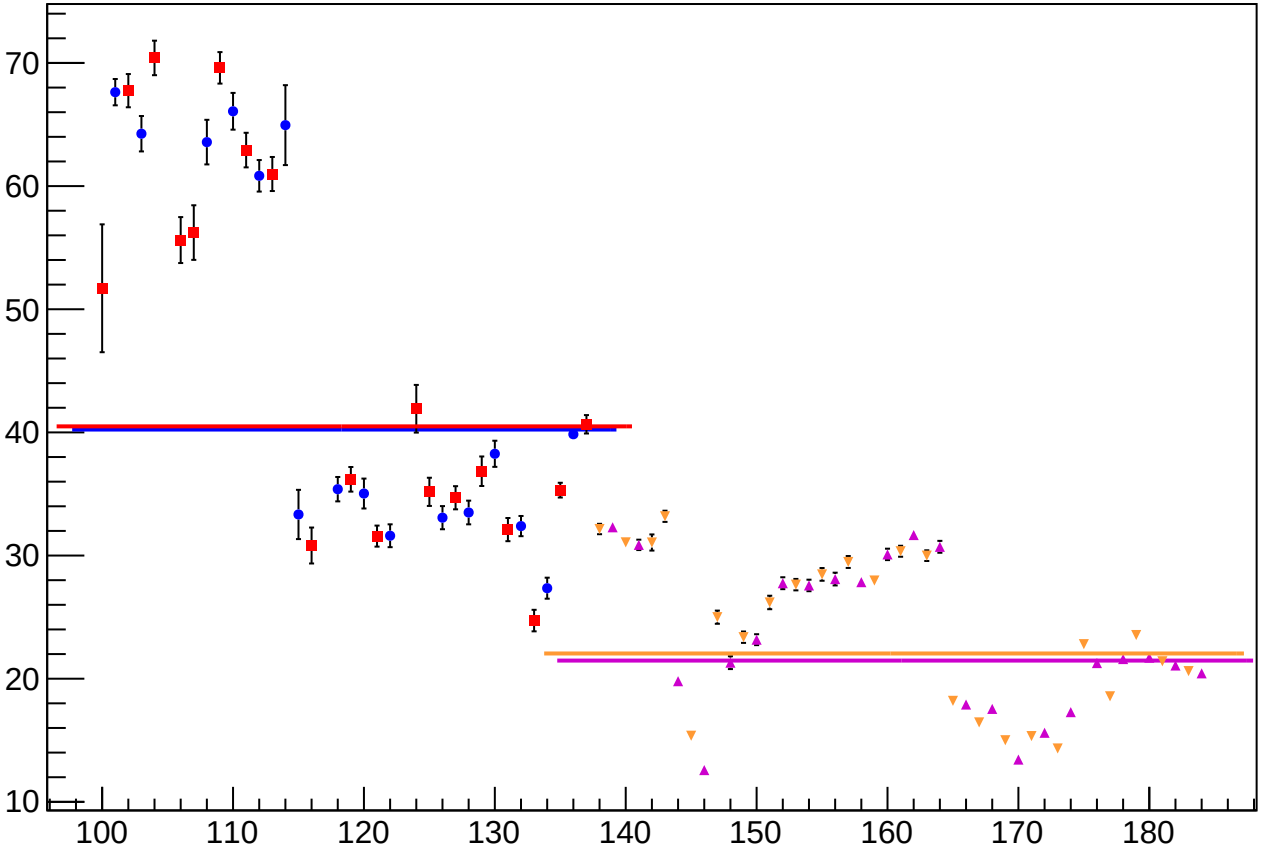
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.256+/-0.055 χ^2/NDF:3449.7/38

Out: -2.333+/-0.054 χ^2/NDF:2679.0/42

All: -2.295+/-0.038 χ^2/NDF: 6129.8/81

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: 21.472+/-0.071 χ^2/NDF:5787.4/22

Left: 21.763+/-0.050 χ^2/NDF: 12032.3/46

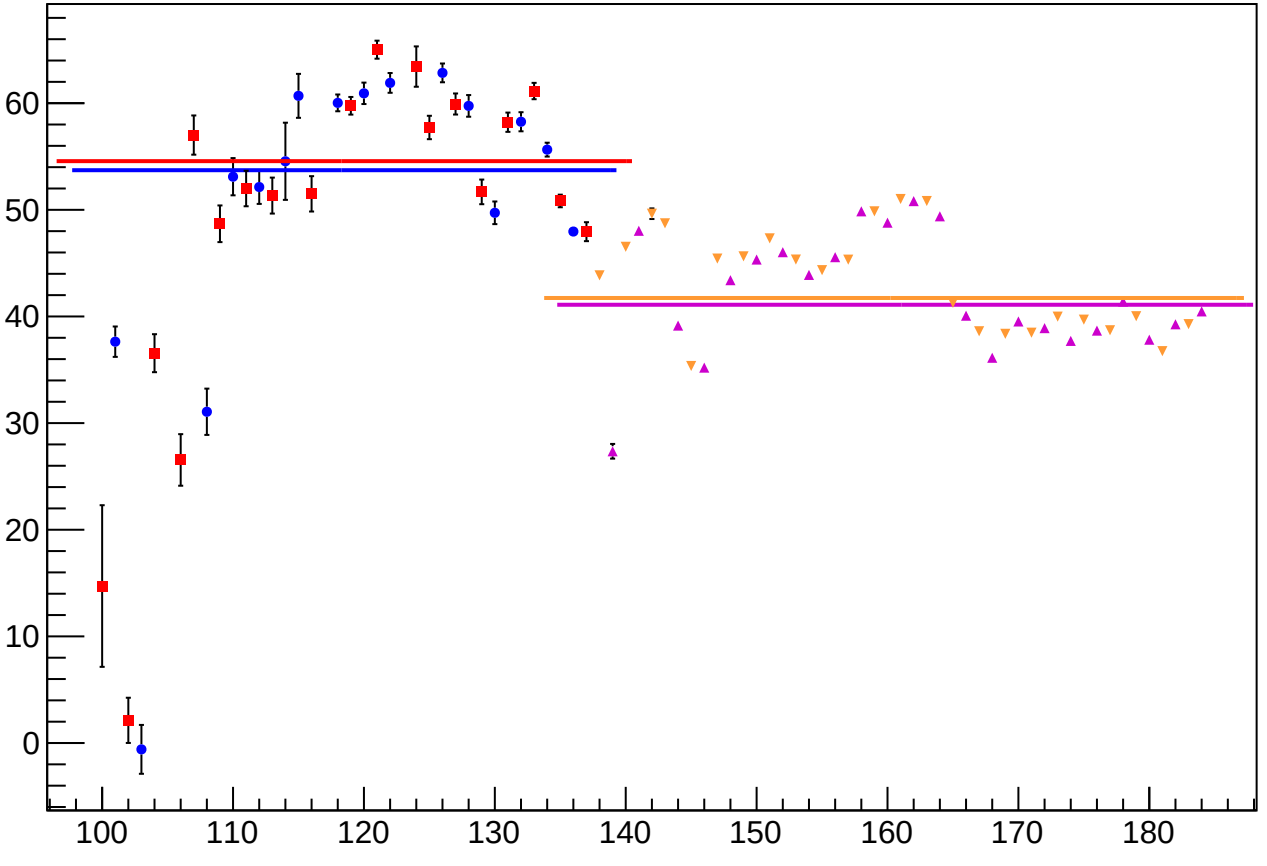
Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 23.070+/-0.068 χ^2/NDF:14089.6/38

Out: 23.378+/-0.067 χ^2/NDF:13941.1/42

All: 23.224+/-0.048 χ^2/NDF: 28041.1/81

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 41.733+/-0.062 χ^2/NDF:5641.4/23

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

Left: 41.418+/-0.044 χ^2/NDF: 11171.2/46

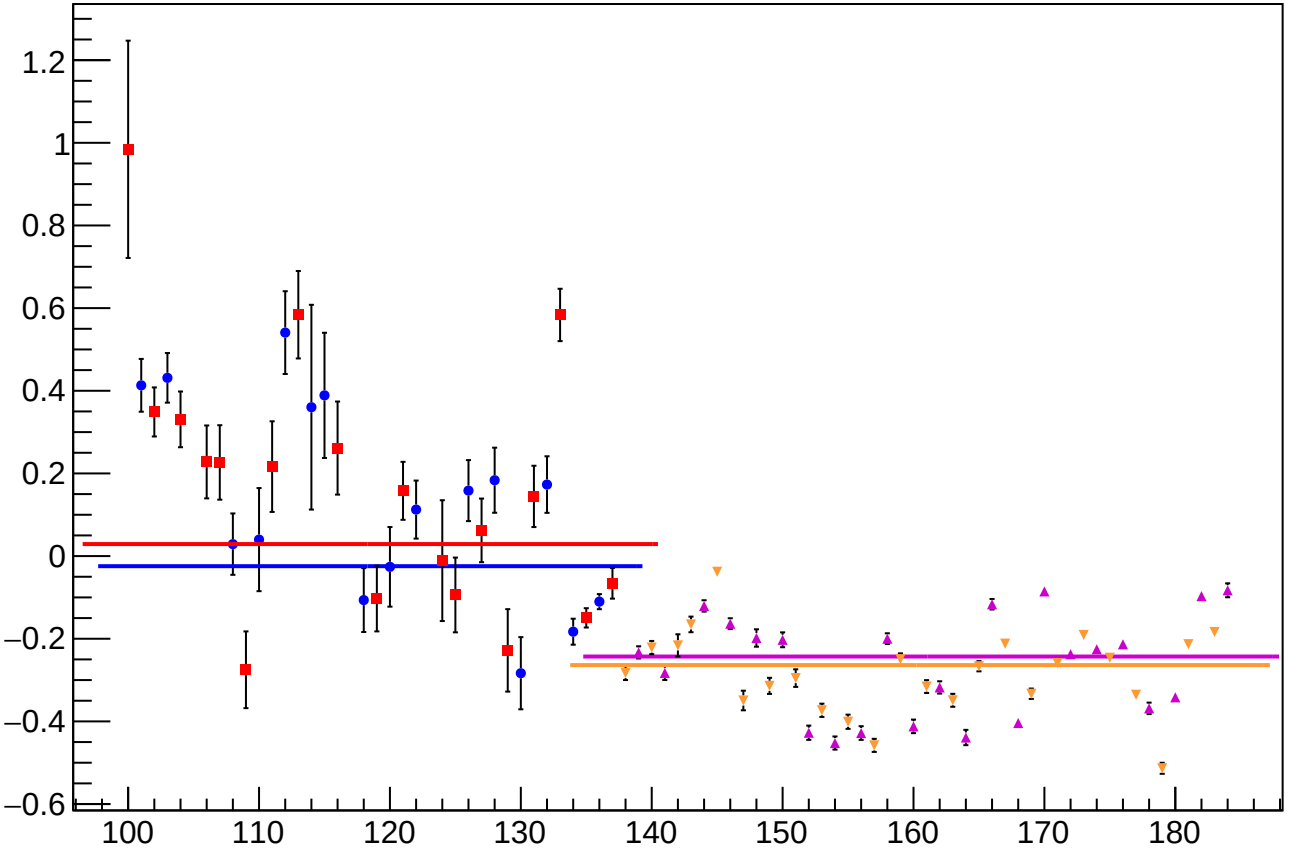
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 41.909+/-0.061 χ^2/NDF:9448.3/38

Out: 42.445+/-0.060 χ^2/NDF:9354.6/42

All: 42.178+/-0.043 χ^2/NDF: 18842.2/81

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: -0.243+/-0.003 χ^2/NDF:1811.8/22

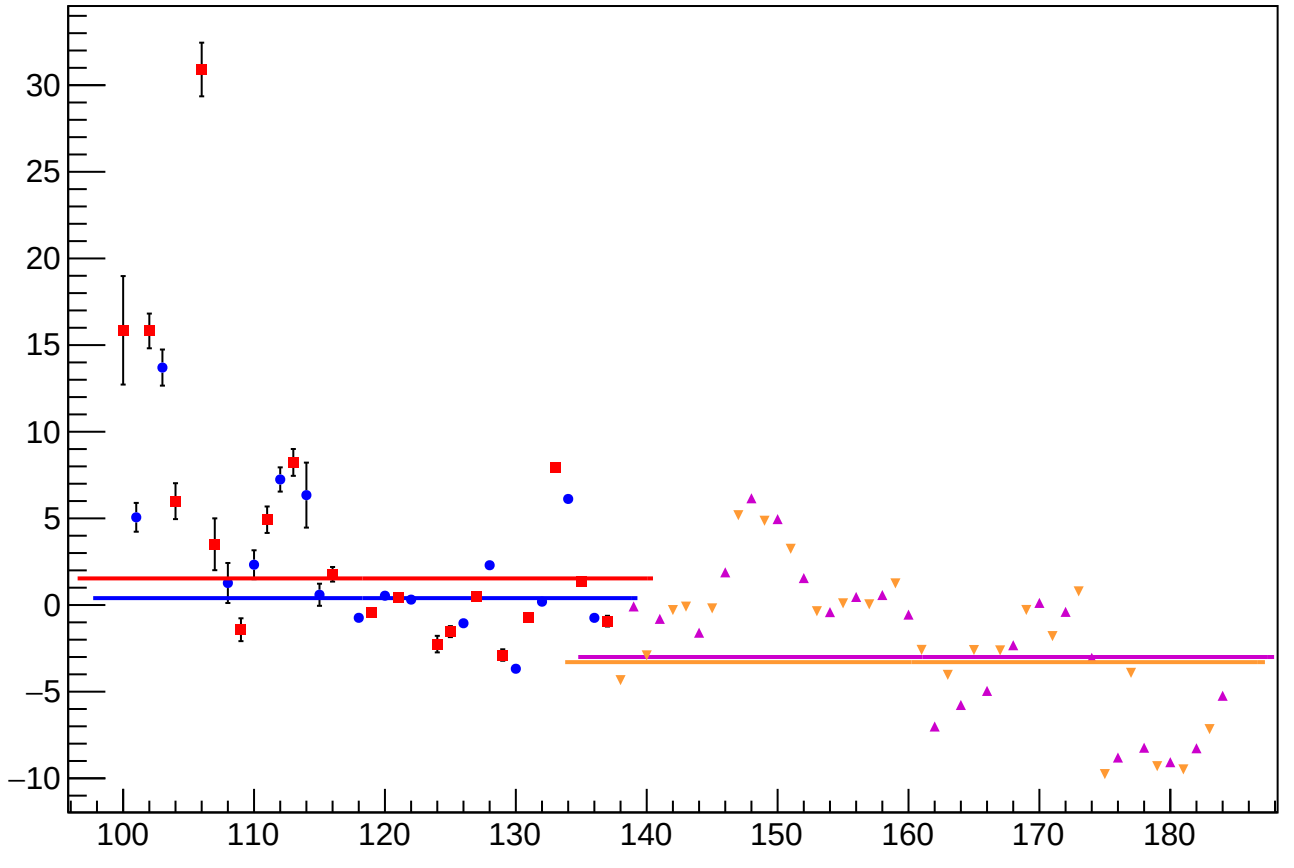
Left: -0.253+/-0.002 χ^2/NDF: 3215.7/46

Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.233+/-0.003 χ^2/NDF:2320.0/38

Out: -0.253+/-0.003 χ^2/NDF:2059.5/42

All: -0.243+/-0.002 χ^2/NDF: 4406.2/81



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: -2.999+/-0.028 χ^2/NDF:22425.0/22

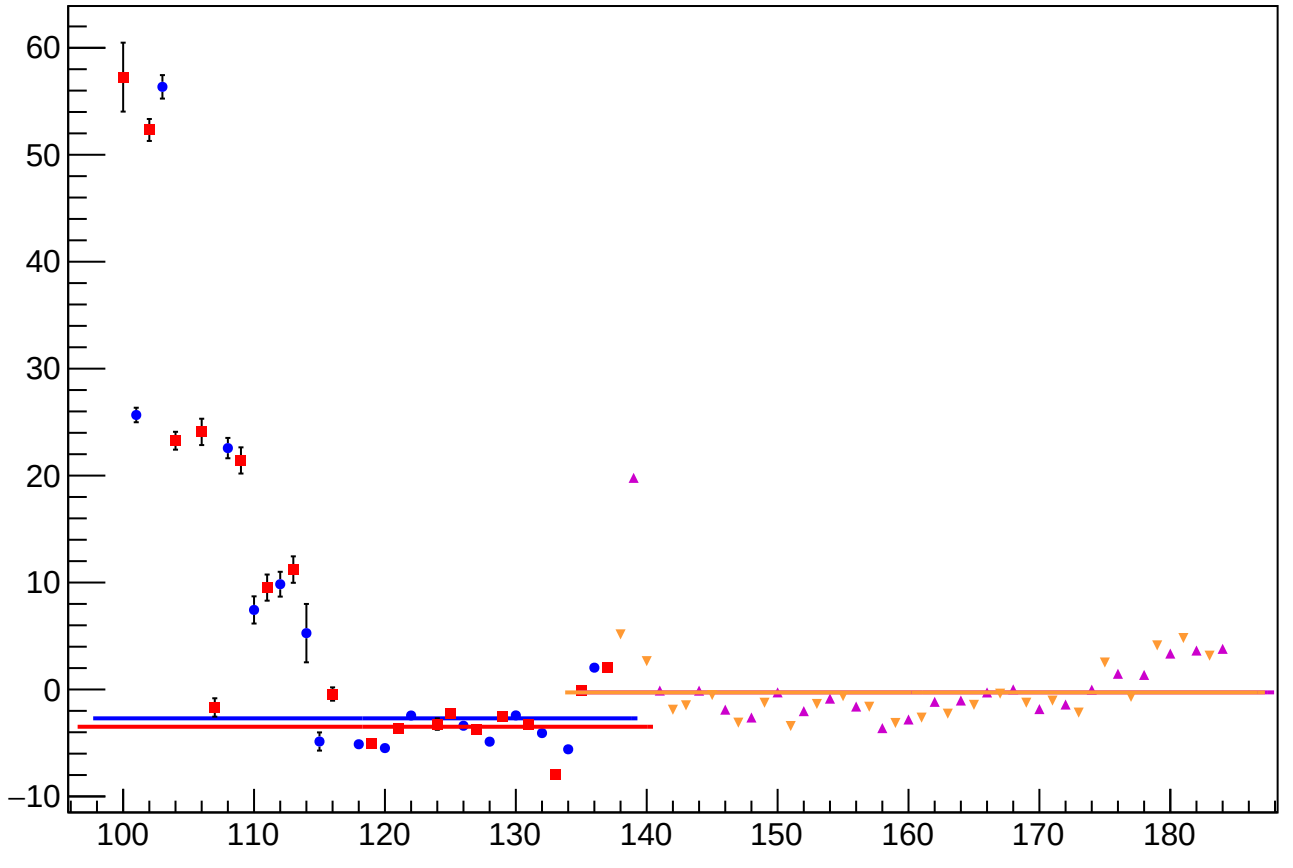
Left: -3.150+/-0.020 χ^2/NDF: 46417.5/46

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: -2.592+/-0.027 χ^2/NDF:25232.5/38

Out: -2.746+/-0.026 χ^2/NDF:29733.1/42

All: -2.670+/-0.019 χ^2/NDF: 54982.5/81



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: -0.271+/-0.022 χ^2/NDF:13220.8/22

Left: -0.273+/-0.016 χ^2/NDF: 25400.6/46

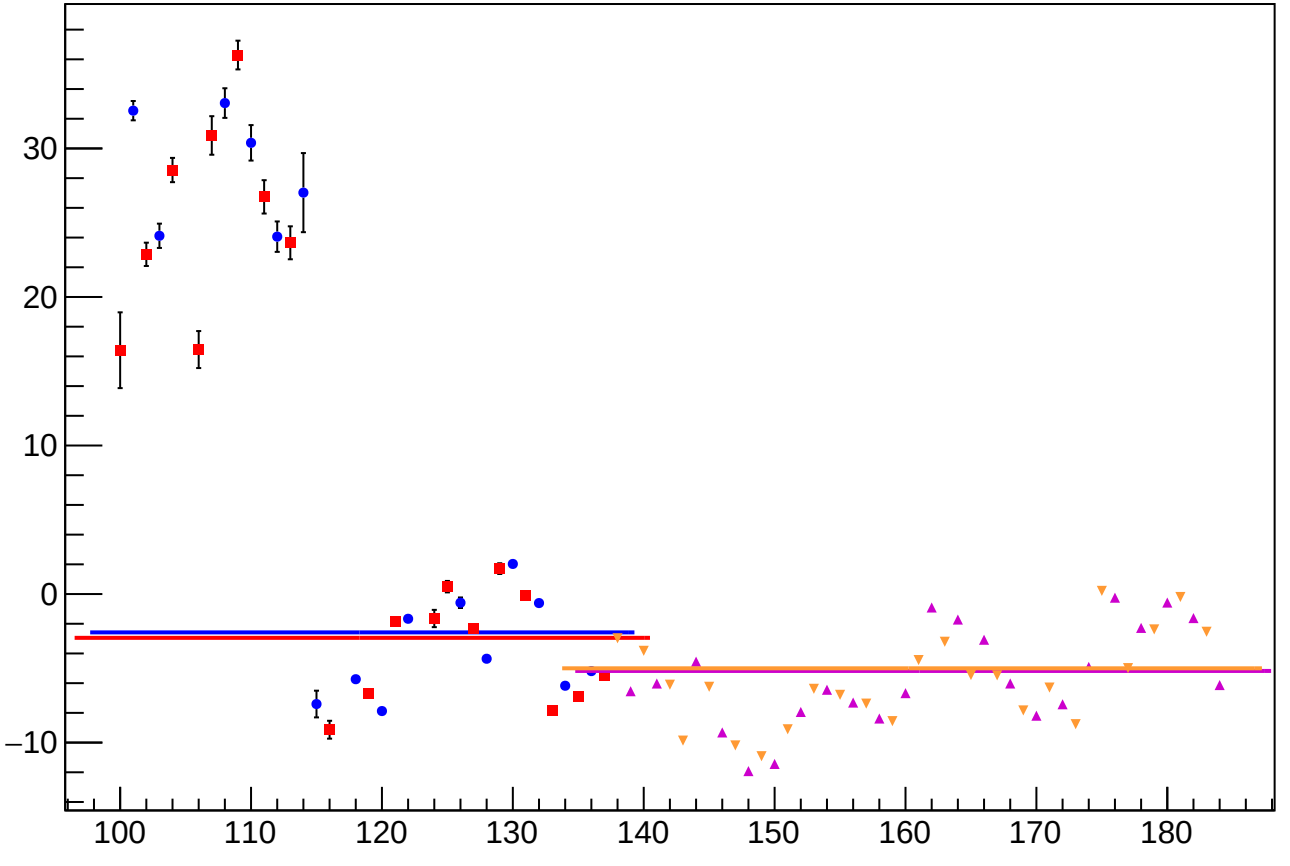
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -0.490+/-0.021 χ^2/NDF:21396.5/38

Out: -0.558+/-0.021 χ^2/NDF:21211.8/42

All: -0.524+/-0.015 χ^2/NDF: 42613.3/81

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: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.087+/-0.020 χ^2/NDF: 27347.4/46

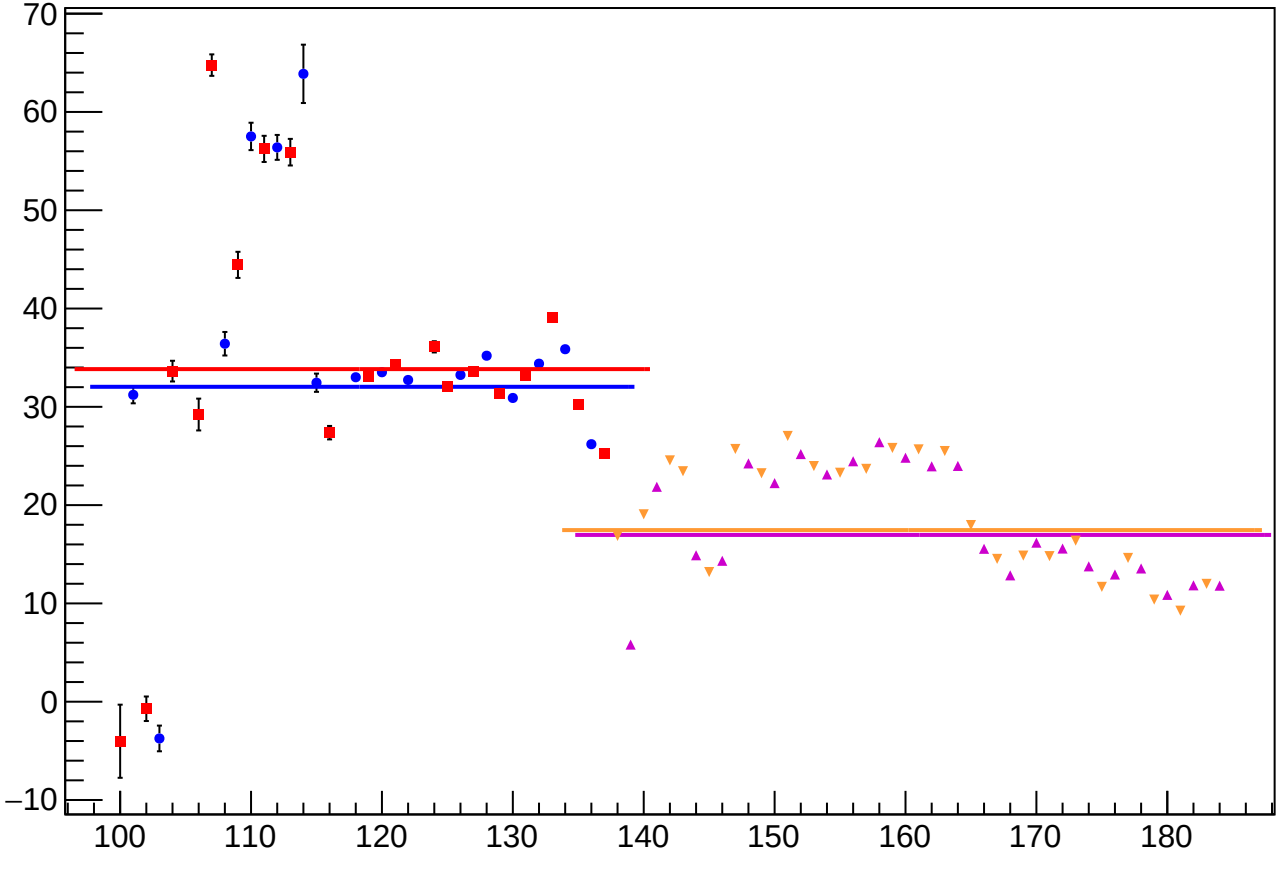
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -4.905+/-0.027 χ^2/NDF:22997.1/38

Out: -4.798+/-0.027 χ^2/NDF:22086.4/42

All: -4.851+/-0.019 χ^2/NDF: 45091.6/81

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: 16.967+/-0.025 χ^2/NDF:39939.4/22

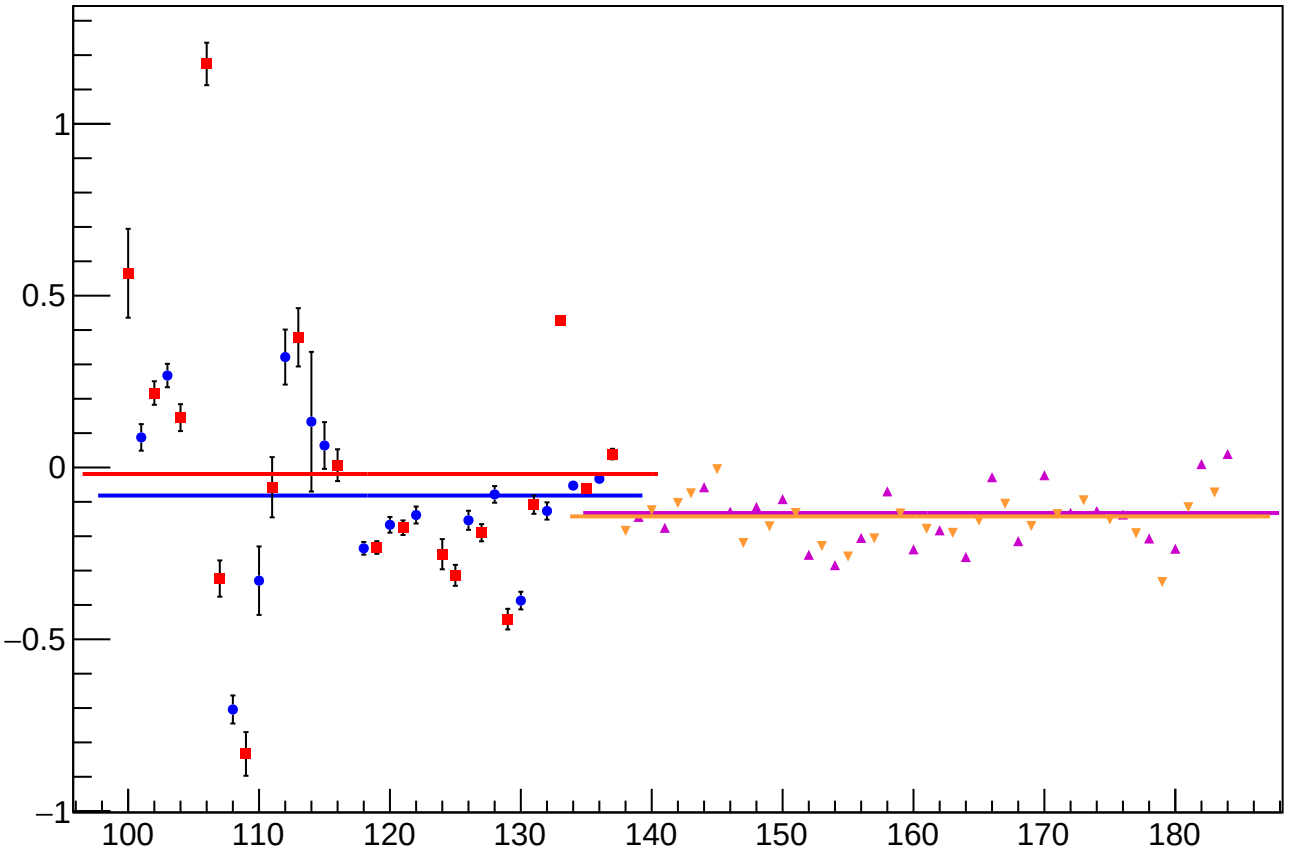
Left: 17.216+/-0.018 χ^2/NDF: 90553.2/46

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 18.270+/-0.024 χ^2/NDF:74596.0/38

Out: 18.832+/-0.024 χ^2/NDF:91546.2/42

All: 18.555+/-0.017 χ^2/NDF: 166421.7/81



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: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.137+/-0.001 χ^2/NDF: 9443.3/46

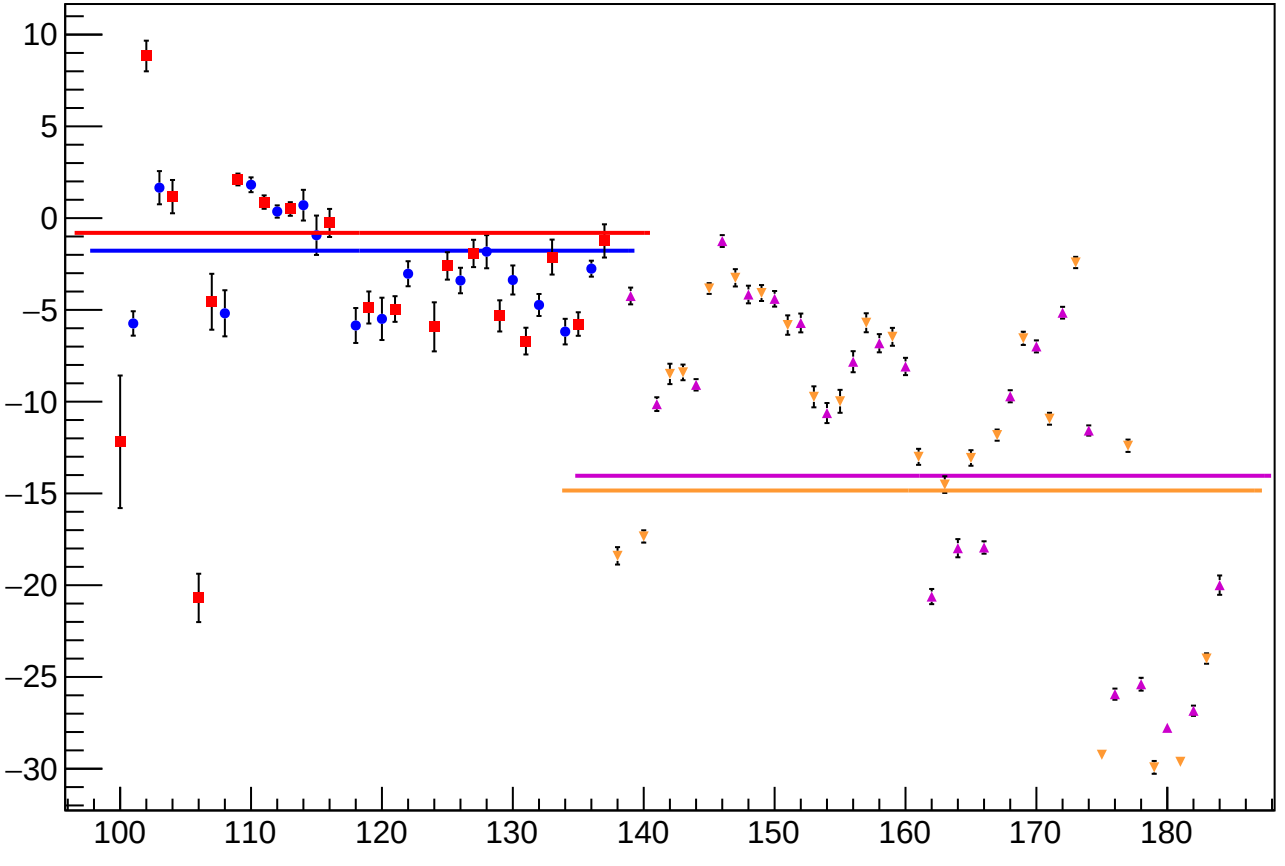
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.130+/-0.001 χ^2/NDF:6324.2/38

Out: -0.137+/-0.001 χ^2/NDF:6686.6/42

All: -0.134+/-0.001 χ^2/NDF: 13032.2/81

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: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.446+/-0.054 χ^2/NDF: 29708.5/46

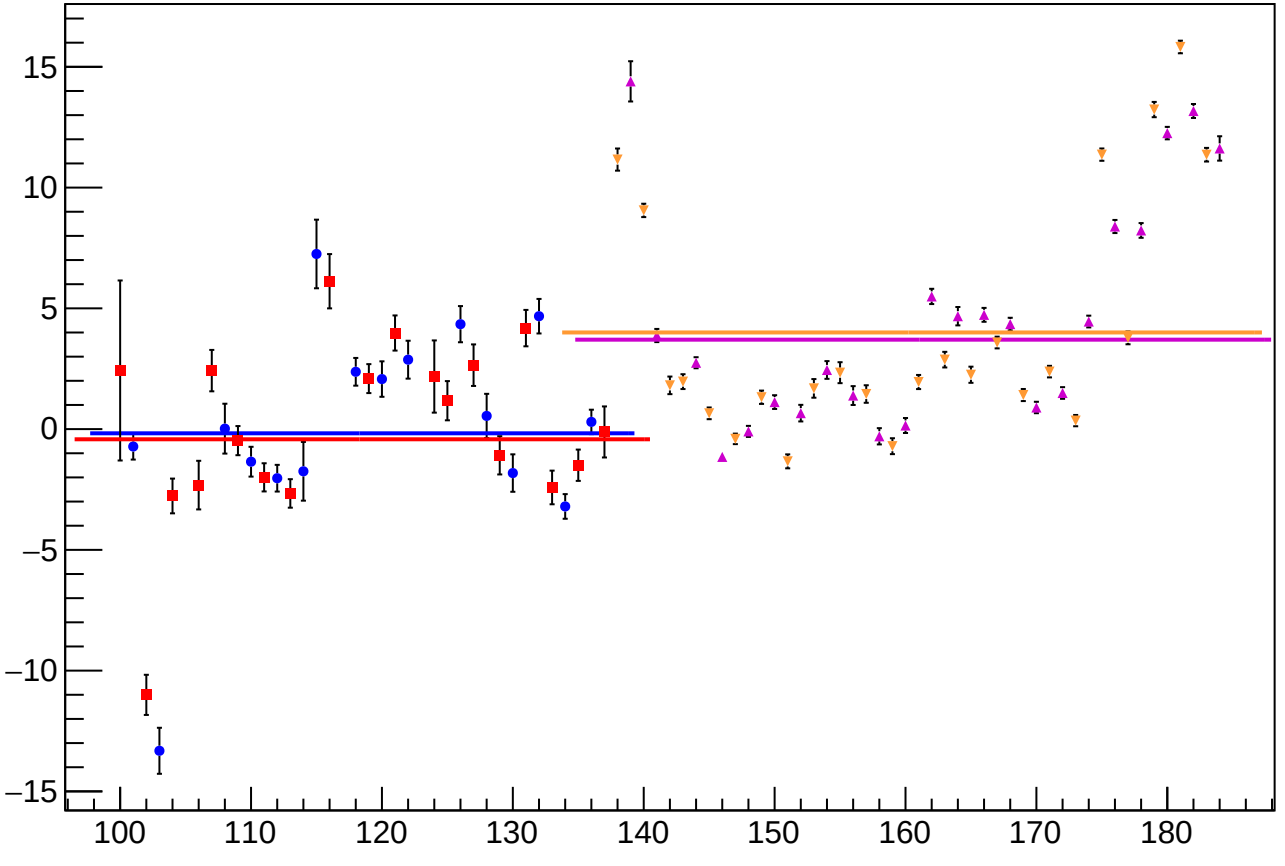
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -11.672+/-0.069 χ^2/NDF:18696.1/38

Out: -11.951+/-0.067 χ^2/NDF:24018.1/42

All: -11.815+/-0.048 χ^2/NDF: 42722.6/81

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: 3.703+/-0.059 χ^2/NDF:4788.5/22

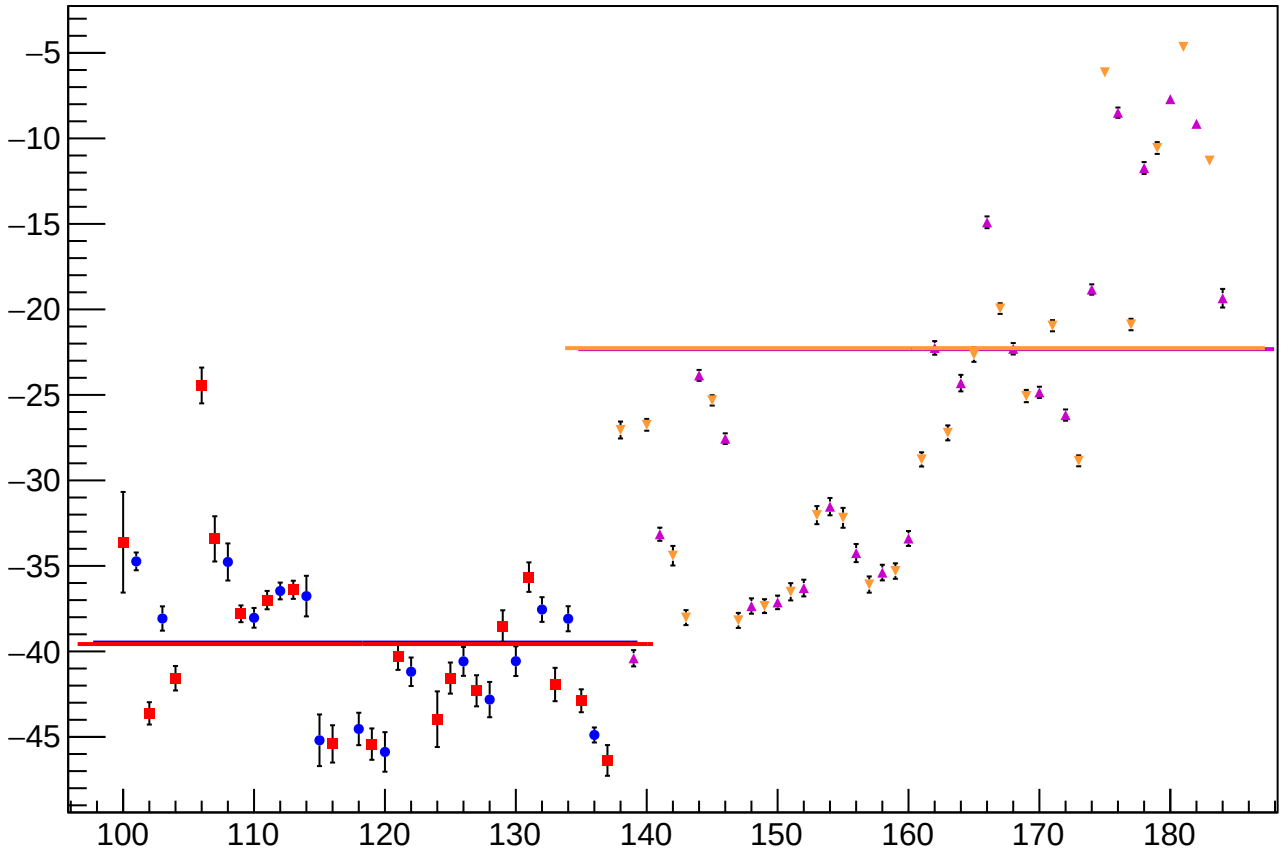
Left: 3.855+/-0.042 χ^2/NDF: 11694.2/46

Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 3.296+/-0.056 χ^2/NDF:5641.1/38

Out: 3.568+/-0.055 χ^2/NDF:7821.0/42

All: 3.434+/-0.039 χ^2/NDF: 13474.0/81



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: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.293+/-0.054 χ^2/NDF: 37123.2/46

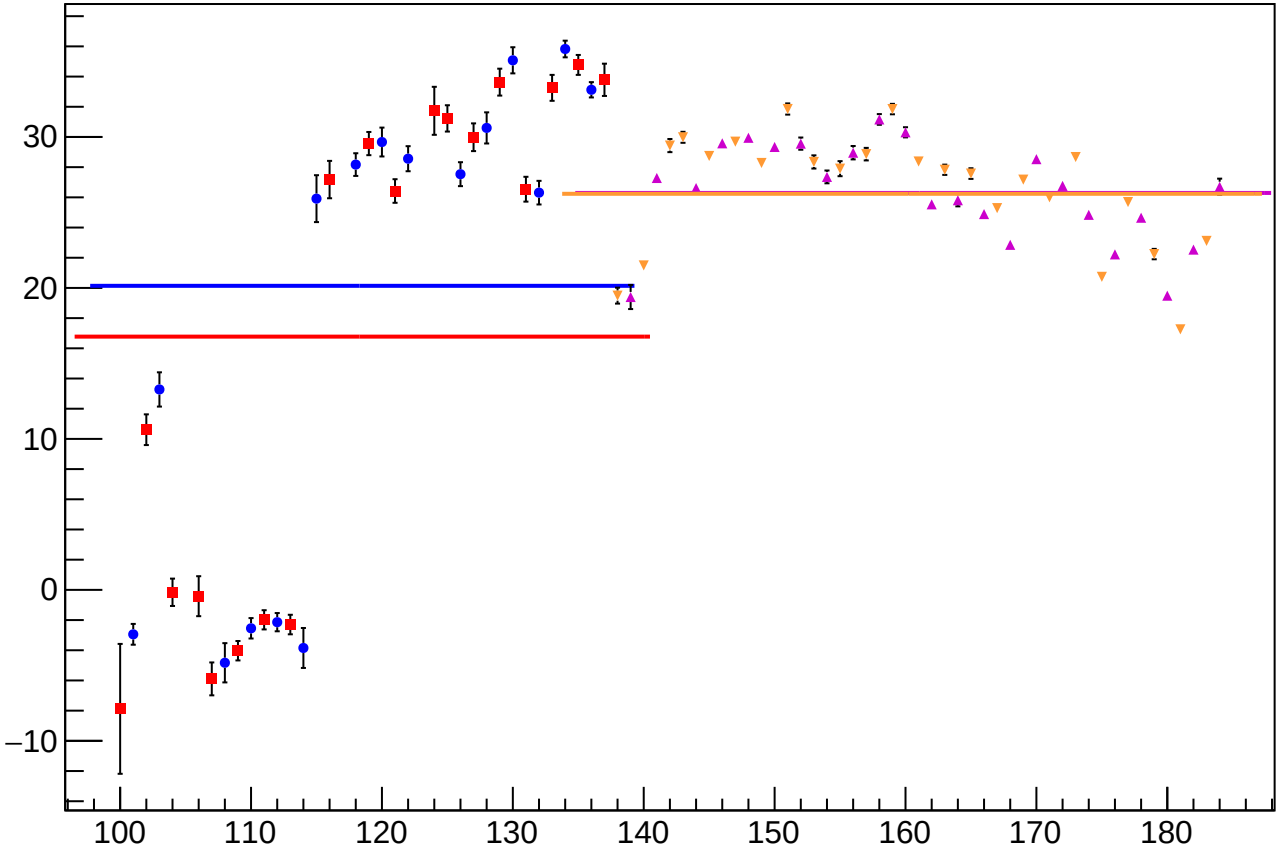
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -24.946+/-0.070 χ^2/NDF:25223.7/38

Out: -24.830+/-0.070 χ^2/NDF:28330.8/42

All: -24.887+/-0.050 χ^2/NDF: 53555.8/81

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: 26.292+/-0.067 χ^2/NDF:2185.8/22

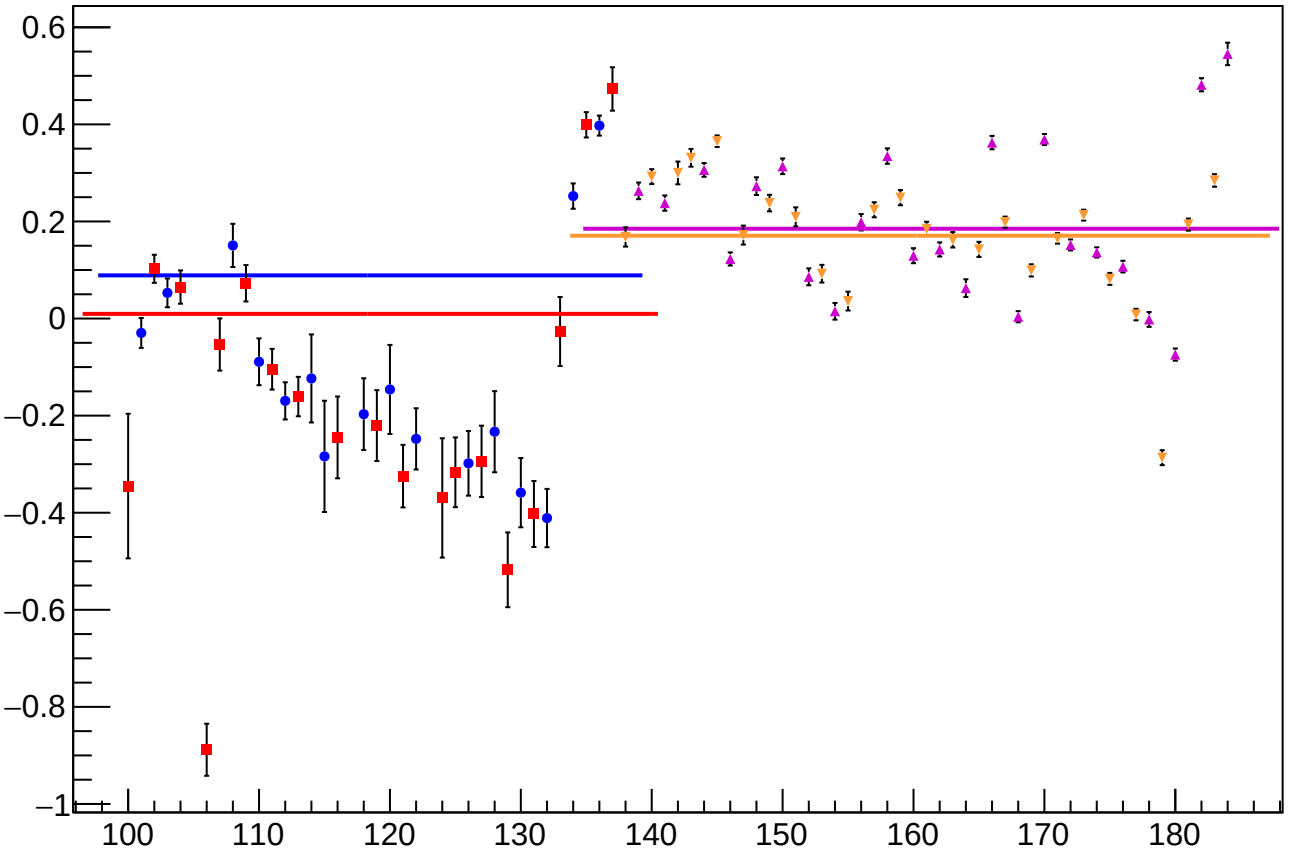
Left: 26.263+/-0.047 χ^2/NDF: 5447.8/46

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 25.647+/-0.063 χ^2/NDF:9764.0/38

Out: 25.312+/-0.062 χ^2/NDF:12025.7/42

All: 25.478+/-0.044 χ^2/NDF: 21804.0/81



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: 0.185+/-0.003 χ^2/NDF:2538.5/22

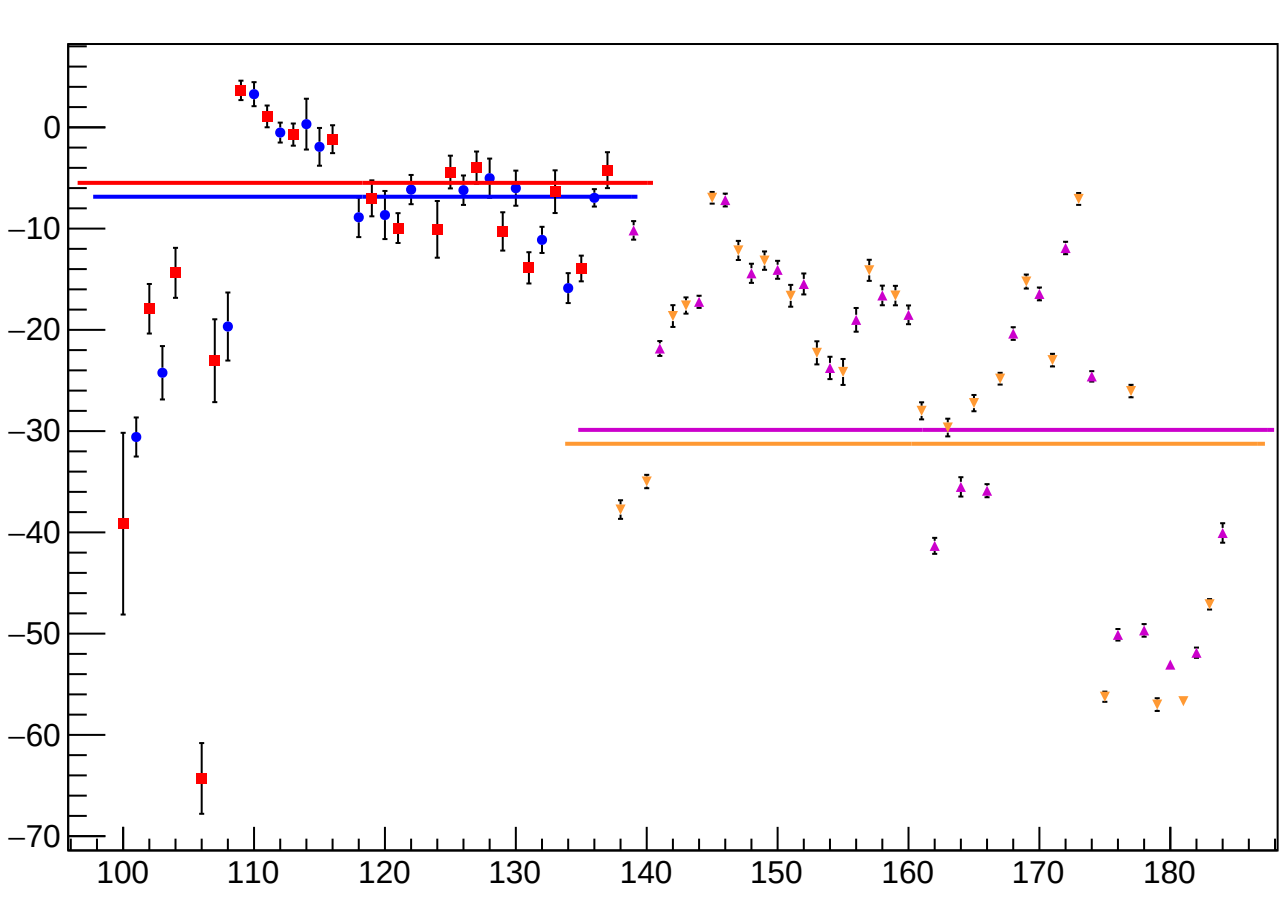
Left: 0.178+/-0.002 χ^2/NDF: 4367.9/46

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.178+/-0.003 χ^2/NDF:3181.2/38

Out: 0.160+/-0.003 χ^2/NDF:2851.7/42

All: 0.169+/-0.002 χ^2/NDF: 6052.5/81



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: -29.878+/-0.146 χ^2/NDF:12034.7/22

Left: -30.576+/-0.102 χ^2/NDF: 27120.8/46

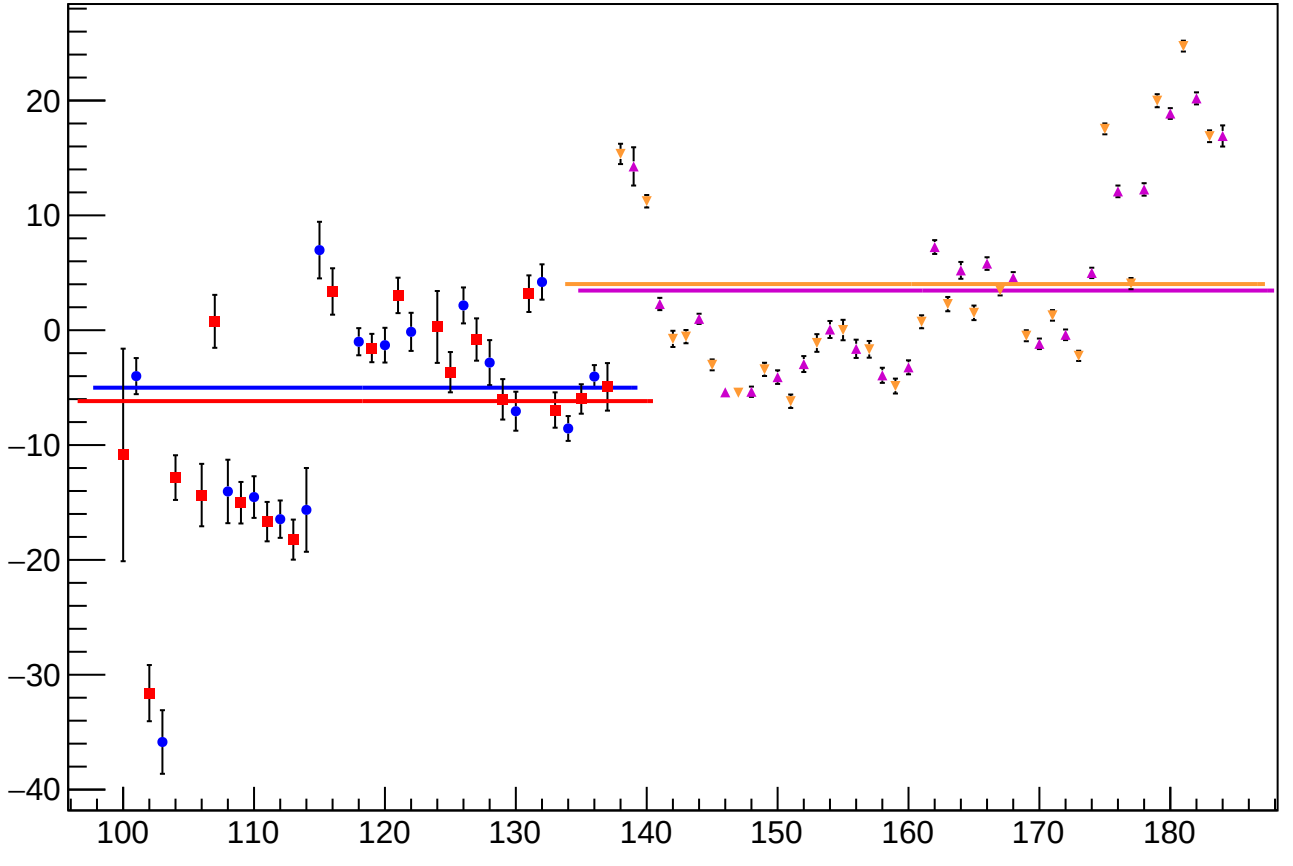
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -26.848+/-0.136 χ^2/NDF:15688.1/38

Out: -27.859+/-0.134 χ^2/NDF:19882.4/42

All: -27.362+/-0.095 χ^2/NDF: 35598.5/81

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: 3.453+/-0.114 χ^2/NDF:4693.7/22

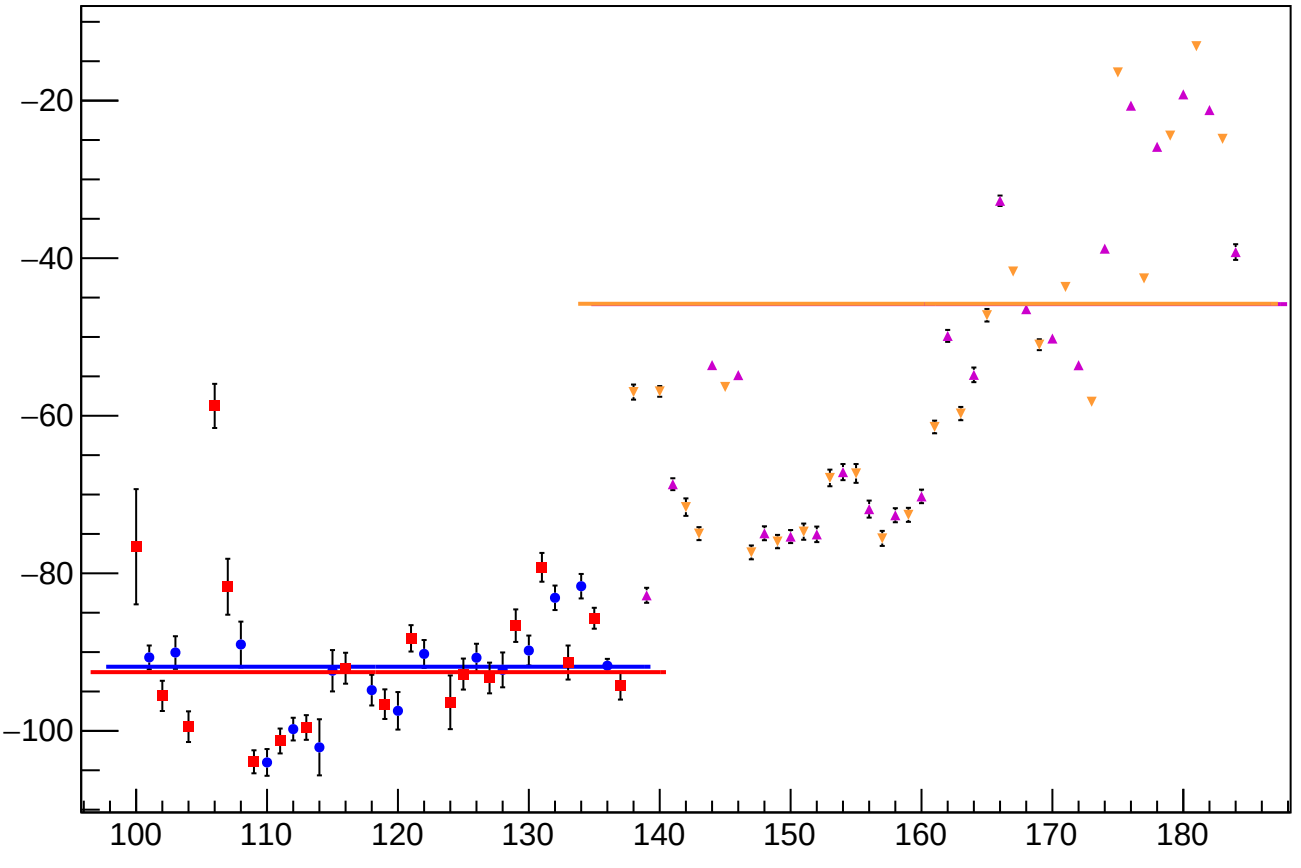
Left: 3.739+/-0.080 χ^2/NDF: 11154.6/46

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: 2.807+/-0.109 χ^2/NDF:5458.2/38

Out: 3.329+/-0.108 χ^2/NDF:7375.6/42

All: 3.070+/-0.077 χ^2/NDF: 12845.3/81



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: -45.833+/-0.146 χ^2/NDF:17924.6/22

Left: -45.809+/-0.102 χ^2/NDF: 39053.1/46

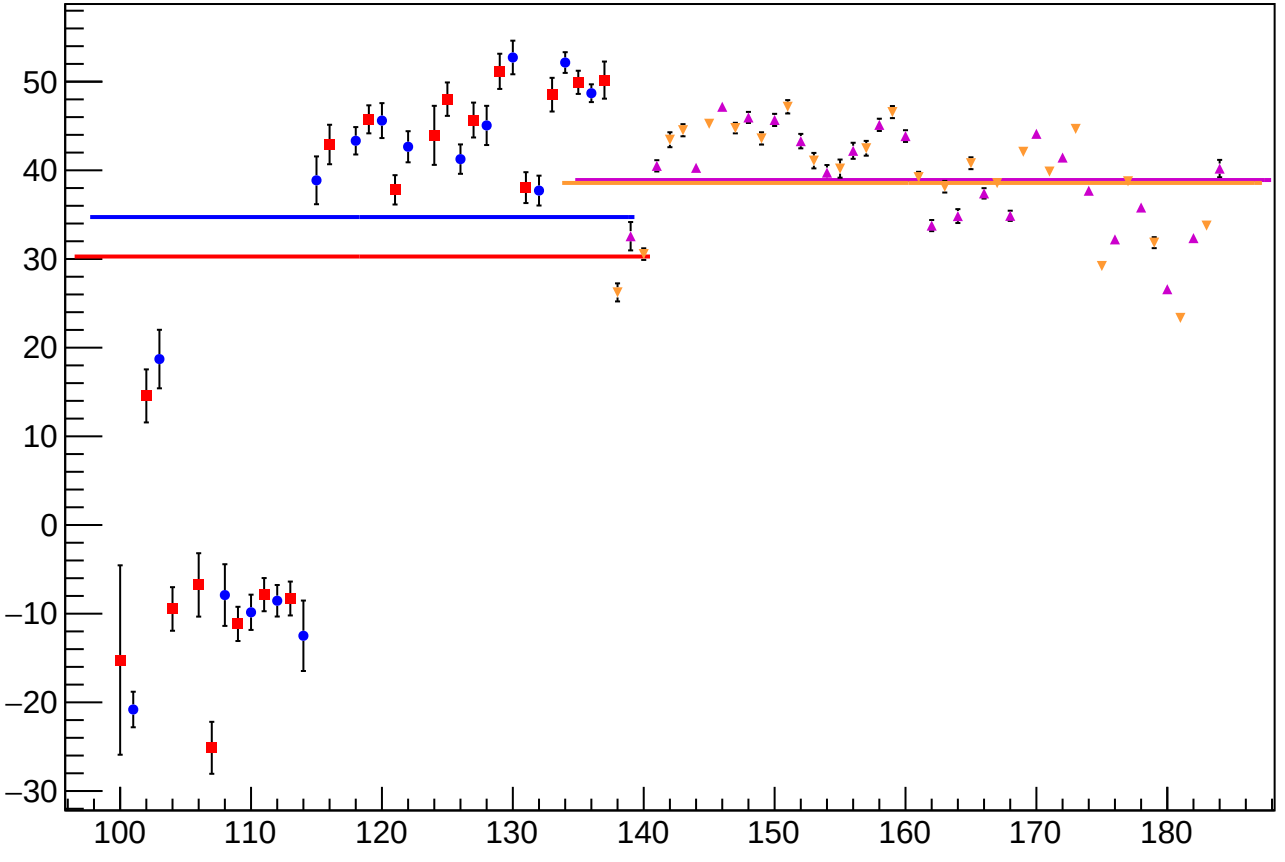
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -50.712+/-0.138 χ^2/NDF:28632.8/38

Out: -50.315+/-0.137 χ^2/NDF:31750.3/42

All: -50.511+/-0.097 χ^2/NDF: 60387.2/81

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: 38.905+/-0.127 χ^2/NDF:1971.6/22

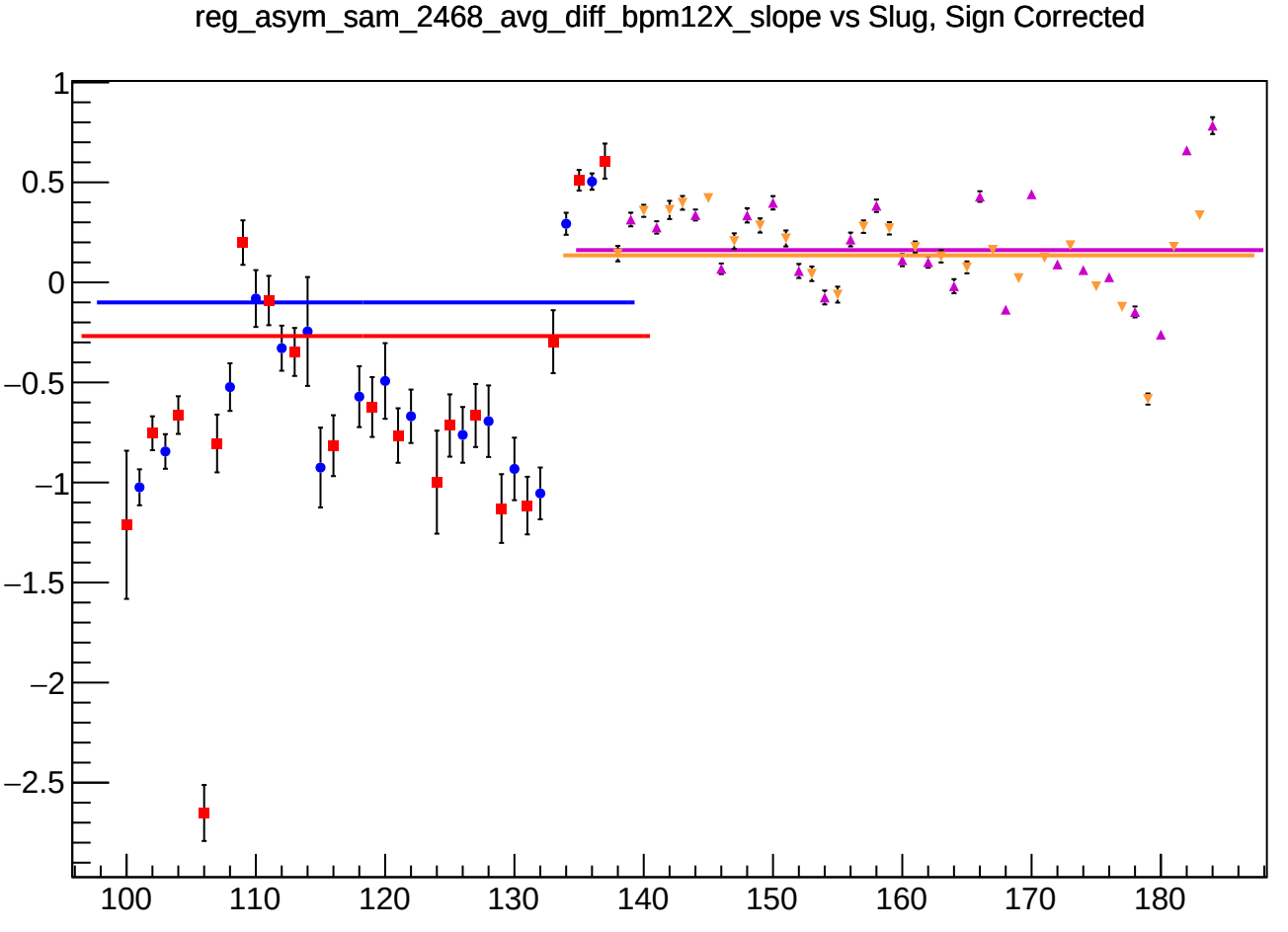
Left: 38.739+/-0.090 χ^2/NDF: 4682.0/46

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 38.584+/-0.122 χ^2/NDF:4863.2/38

Out: 38.016+/-0.121 χ^2/NDF:5912.5/42

All: 38.298+/-0.086 χ^2/NDF: 10786.5/81



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: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.148+/-0.004 χ^2/NDF: 3281.5/46

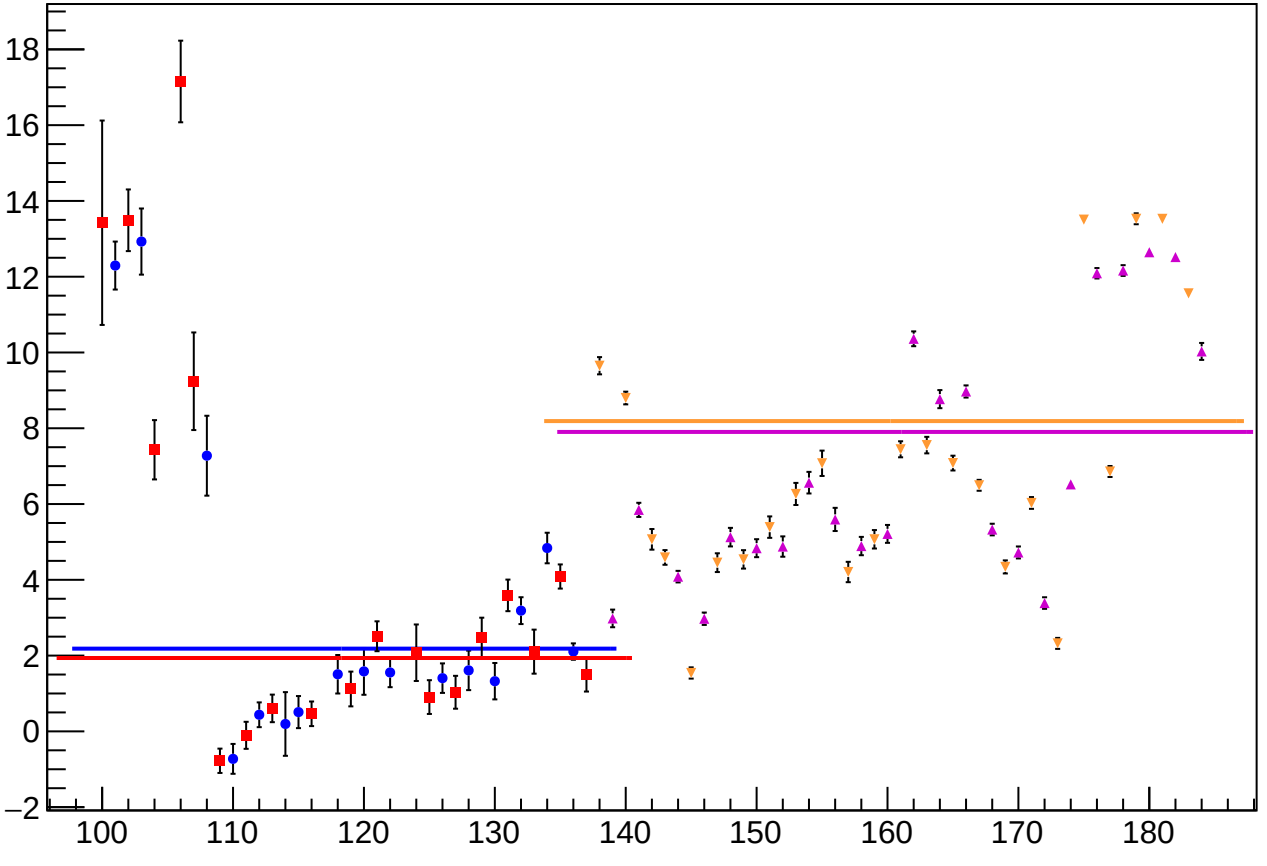
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.147+/-0.006 χ^2/NDF:2662.4/38

Out: 0.117+/-0.006 χ^2/NDF:2398.3/42

All: 0.132+/-0.004 χ^2/NDF: 5075.6/81

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: 7.903+/-0.036 χ^2/NDF:10017.8/22

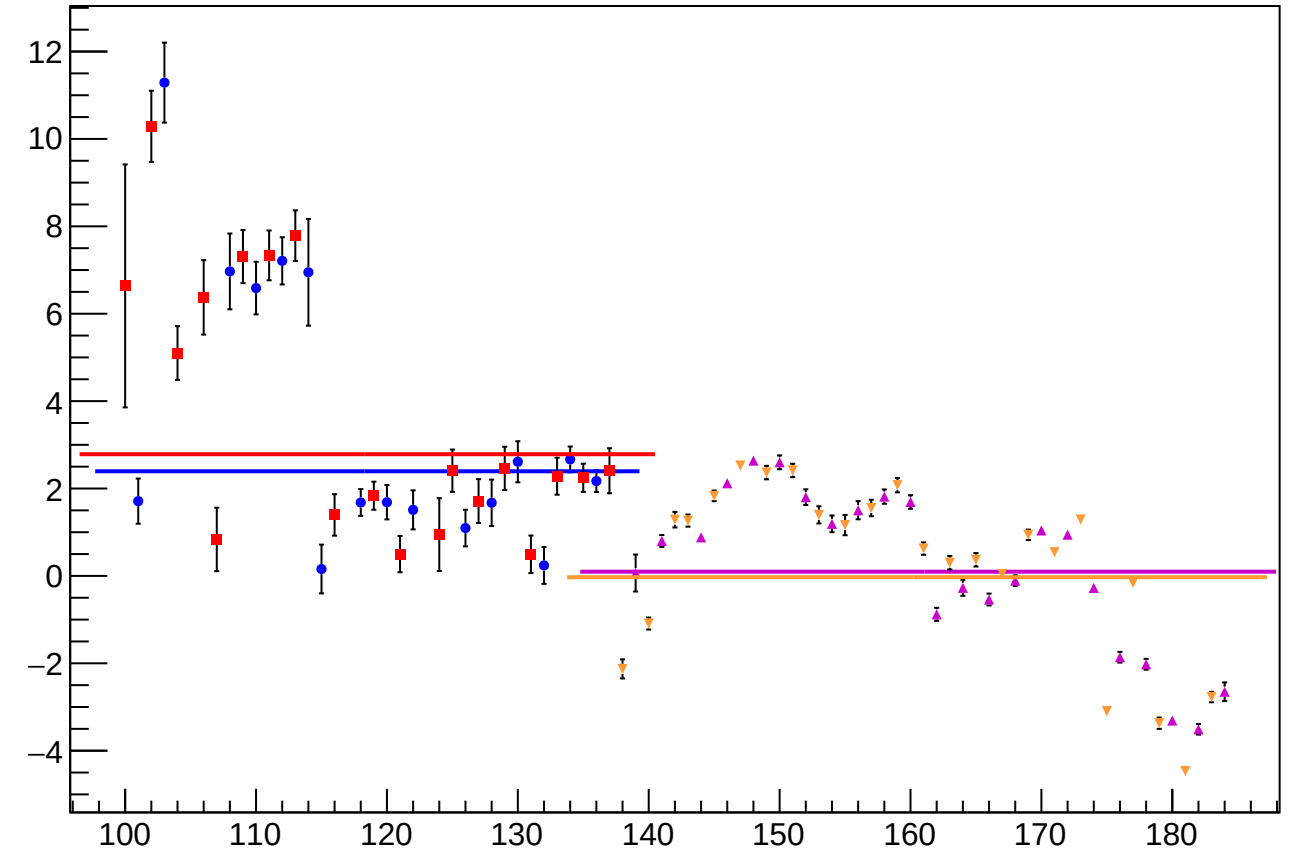
Left: 8.049+/-0.025 χ^2/NDF: 23104.5/46

Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 7.307+/-0.034 χ^2/NDF:13275.8/38

Out: 7.565+/-0.033 χ^2/NDF:16934.8/42

All: 7.438+/-0.024 χ^2/NDF: 30240.1/81



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: 0.096+/-0.028 χ^2/NDF:4433.3/22

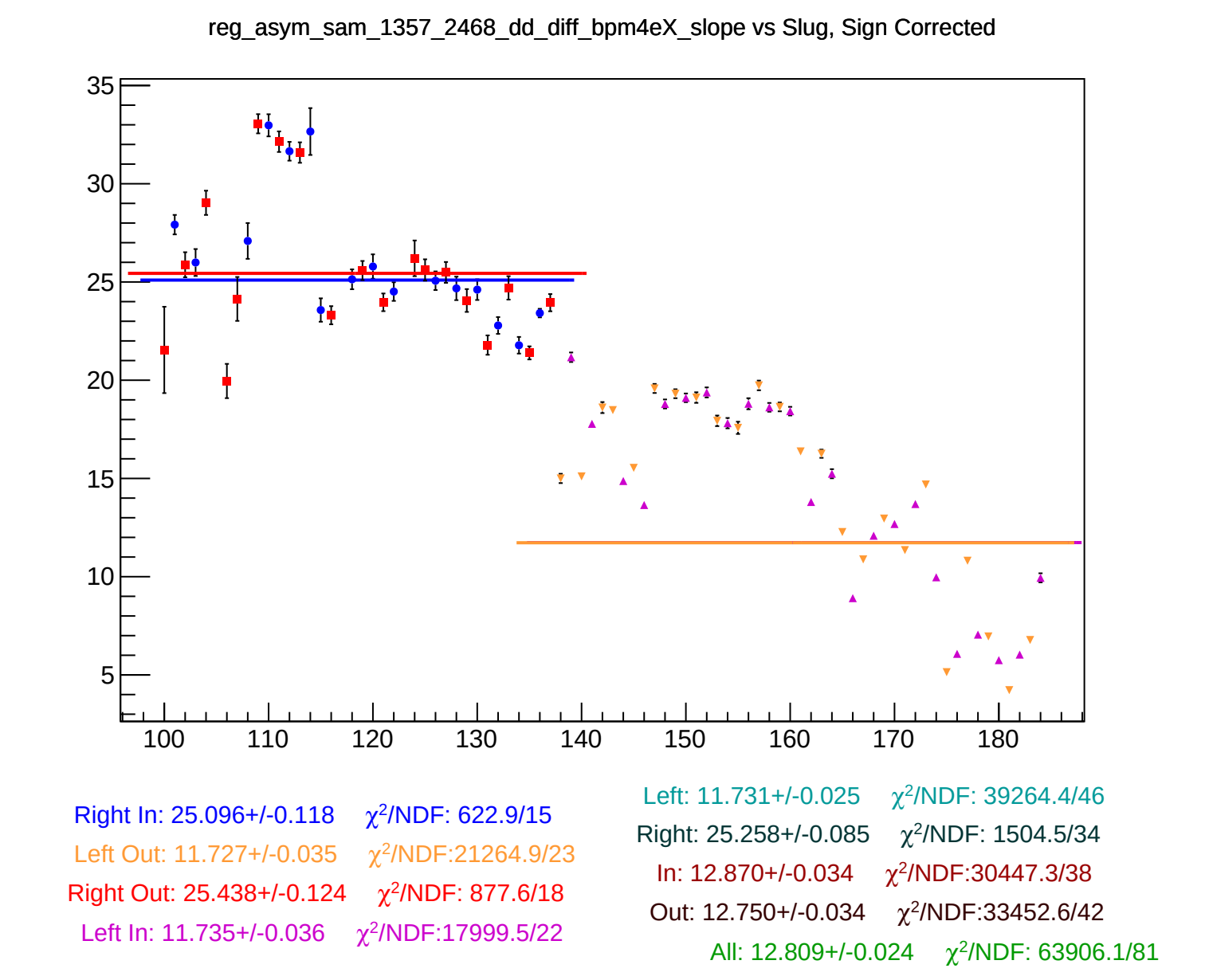
Left: 0.032+/-0.020 χ^2/NDF: 10107.2/46

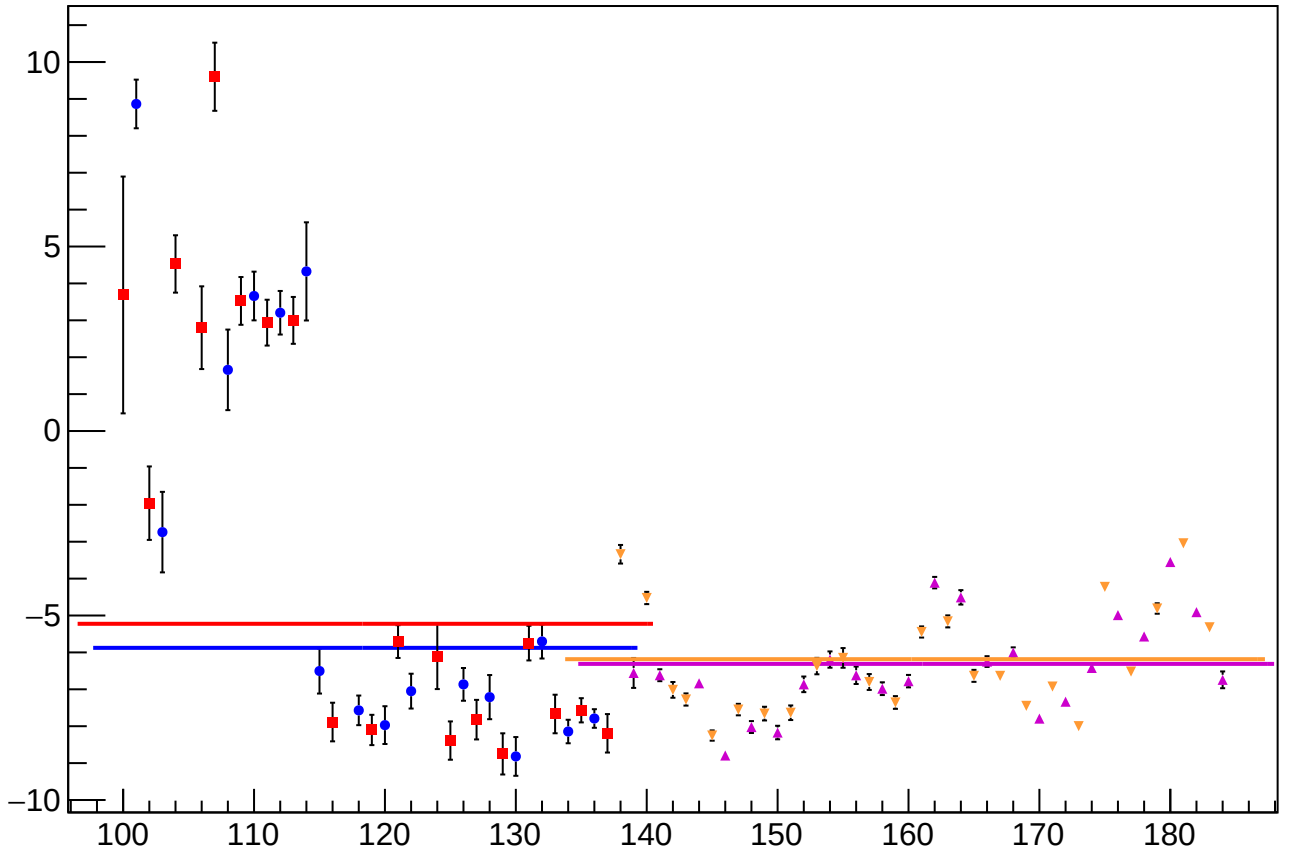
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 0.241+/-0.027 χ^2/NDF:5188.8/38

Out: 0.123+/-0.027 χ^2/NDF:6632.5/42

All: 0.182+/-0.019 χ^2/NDF: 11830.8/81


reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 25.096+/-0.118 χ2/NDF: 622.9/15
Left Out: 11.727+/-0.035 χ2/NDF:21264.9/23
Right Out: 25.438+/-0.124 χ2/NDF: 877.6/18
Left In: 11.735+/-0.036 χ2/NDF:17999.5/22
Left: 11.731+/-0.025 χ2/NDF: 39264.4/46
Right: 25.258+/-0.085 χ2/NDF: 1504.5/34
In: 12.870+/-0.034 χ2/NDF:30447.3/38
Out: 12.750+/-0.034 χ2/NDF:33452.6/42
All: 12.809+/-0.024 χ2/NDF: 63906.1/81



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: -6.311+/-0.031 χ^2/NDF:2030.2/22

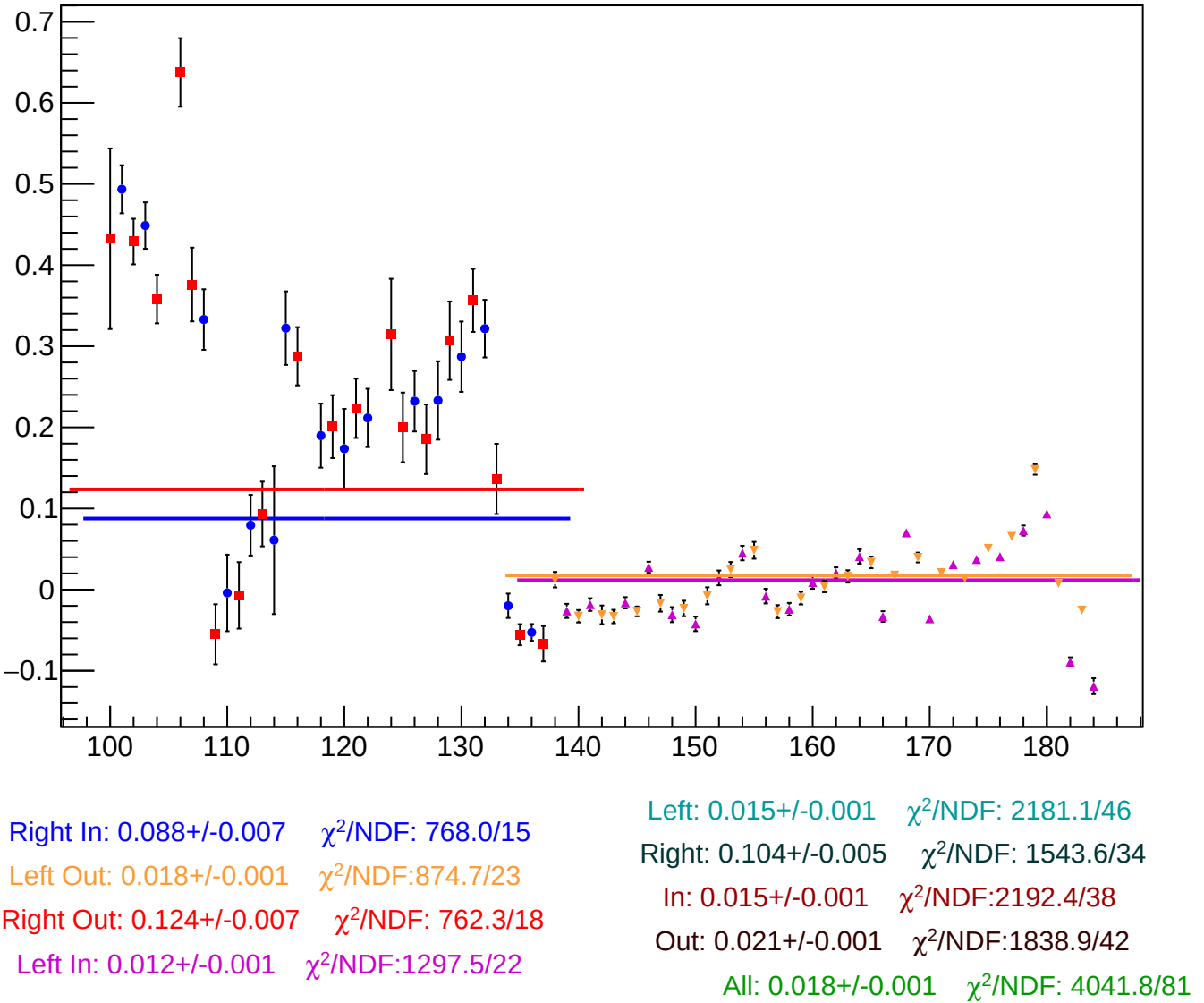
Left: -6.246+/-0.022 χ^2/NDF: 4380.7/46

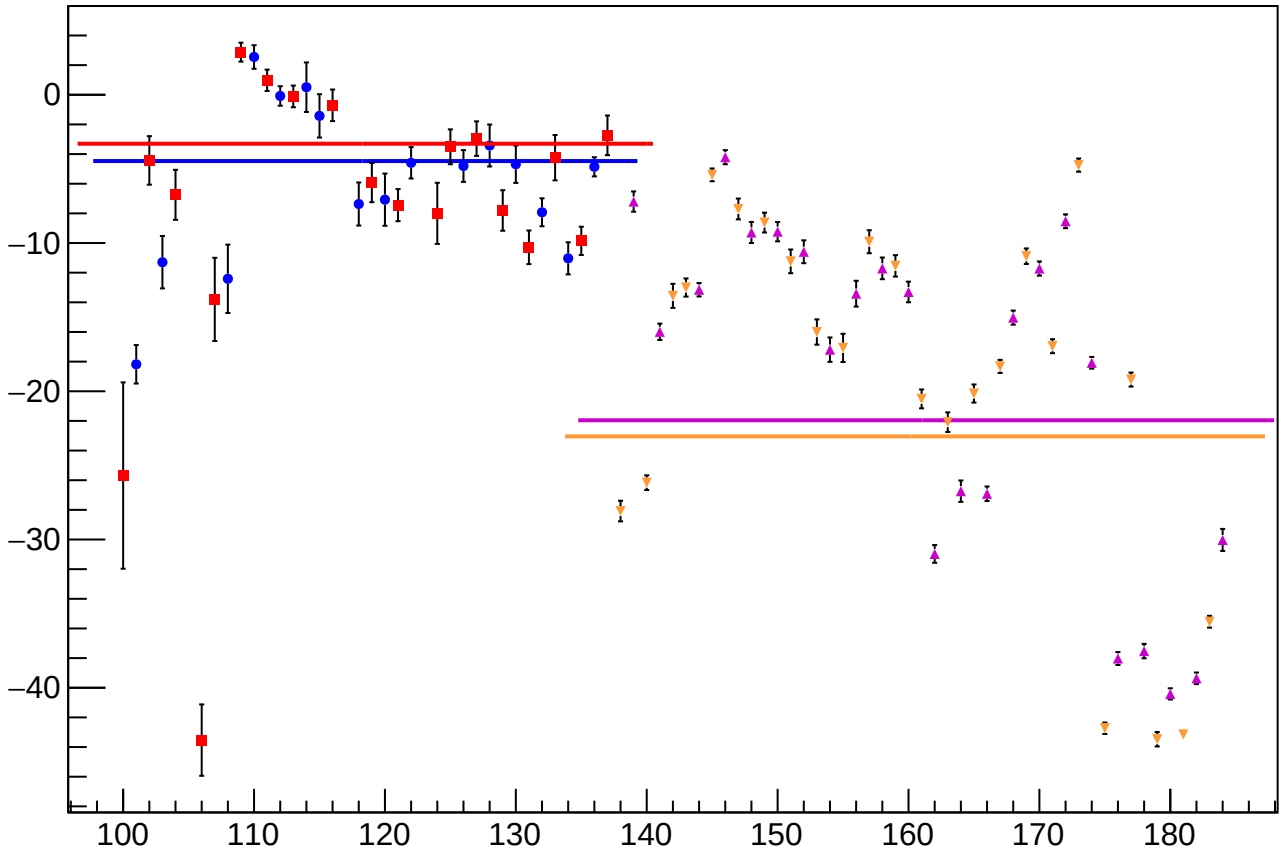
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.284+/-0.030 χ^2/NDF:3293.7/38

Out: -6.131+/-0.030 χ^2/NDF:3686.0/42

All: -6.207+/-0.021 χ^2/NDF: 6992.4/81


reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
100
110
120
130
140
150
160
170
180
Right In: 0.088+/-0.007 χ²/NDF: 768.0/15
Left Out: 0.018+/-0.001 χ²/NDF:874.7/23
Right Out: 0.124+/-0.007 χ²/NDF: 762.3/18
Left In: 0.012+/-0.001 χ²/NDF:1297.5/22
Left: 0.015+/-0.001 χ²/NDF: 2181.1/46
Right: 0.104+/-0.005 χ²/NDF: 1543.6/34
In: 0.015+/-0.001 χ²/NDF:2192.4/38
Out: 0.021+/-0.001 χ²/NDF:1838.9/42
All: 0.018+/-0.001 χ²/NDF: 4041.8/81



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: -21.957+/-0.111 χ^2/NDF:12585.3/22

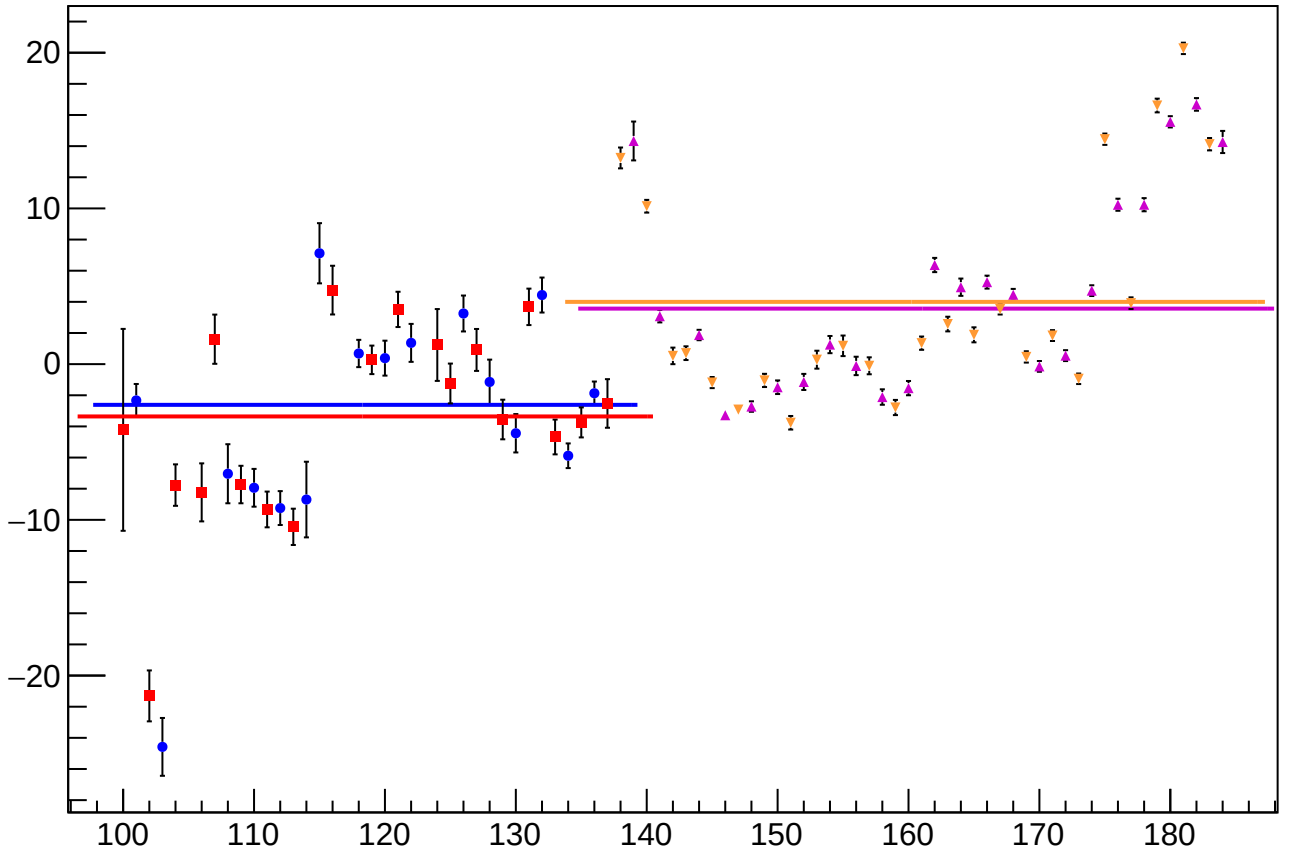
Left: -22.510+/-0.078 χ^2/NDF: 28143.1/46

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -19.397+/-0.103 χ^2/NDF:16539.3/38

Out: -20.097+/-0.101 χ^2/NDF:20967.5/42

All: -19.754+/-0.072 χ^2/NDF: 37530.6/81



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: 3.565+/-0.086 χ^2/NDF:4739.4/22

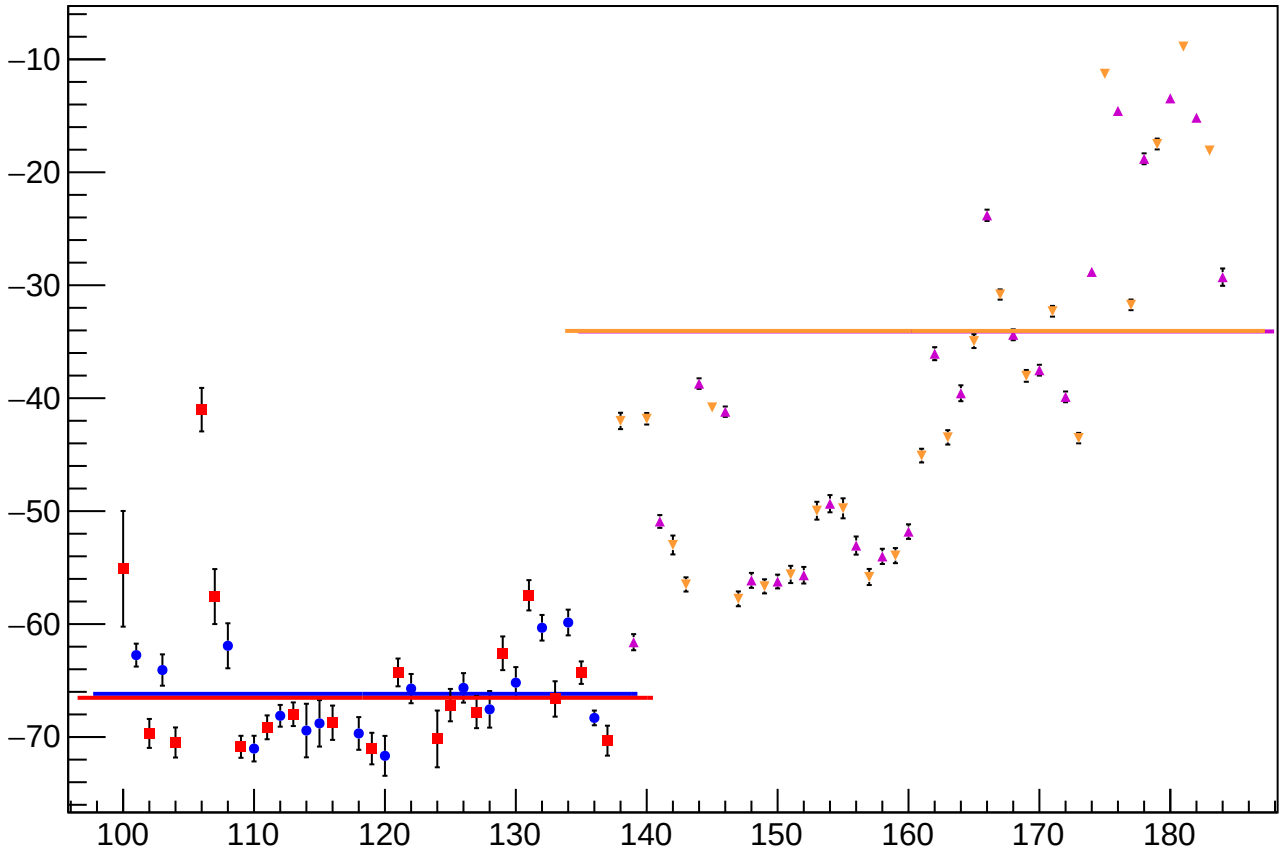
Left: 3.785+/-0.061 χ^2/NDF: 11384.8/46

Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 3.050+/-0.083 χ^2/NDF:5520.2/38

Out: 3.447+/-0.082 χ^2/NDF:7553.4/42

All: 3.251+/-0.058 χ^2/NDF: 13085.3/81



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: -34.091+/-0.111 χ^2/NDF:17726.5/22

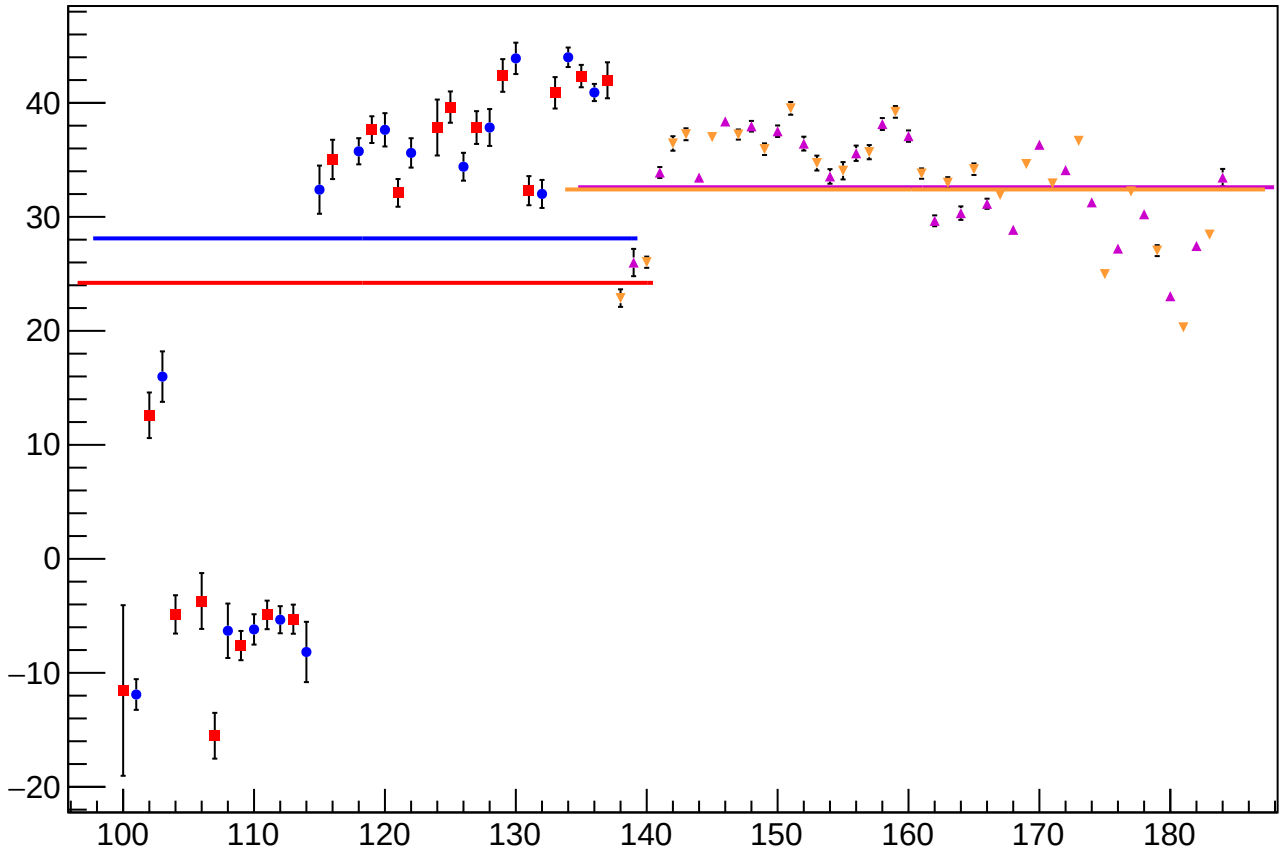
Left: -34.067+/-0.078 χ^2/NDF: 38564.7/46

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -37.855+/-0.104 χ^2/NDF:27667.3/38

Out: -37.587+/-0.103 χ^2/NDF:30787.1/42

All: -37.720+/-0.073 χ^2/NDF: 58457.7/81



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: 32.598+/-0.097 χ^2/NDF:2012.9/22

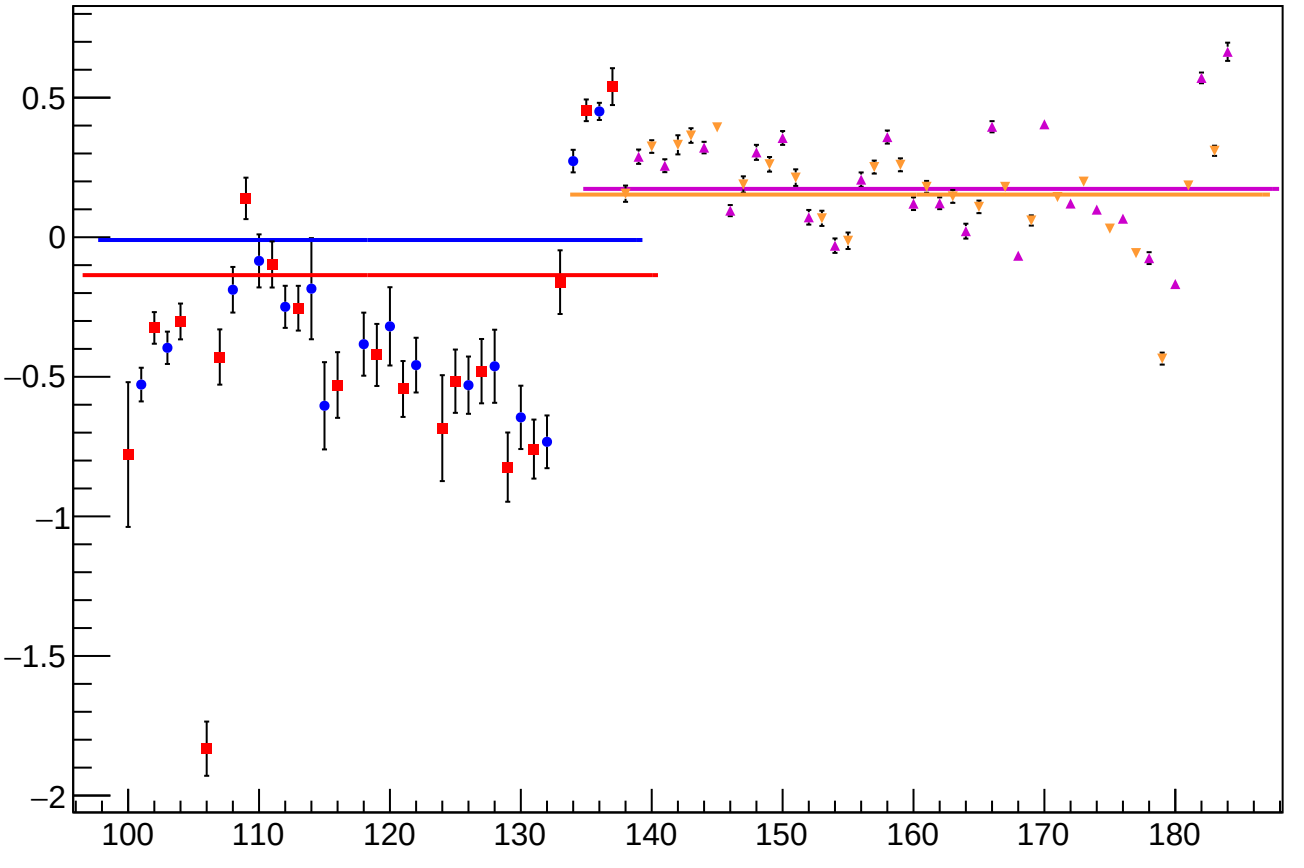
Left: 32.500+/-0.068 χ^2/NDF: 4888.6/46

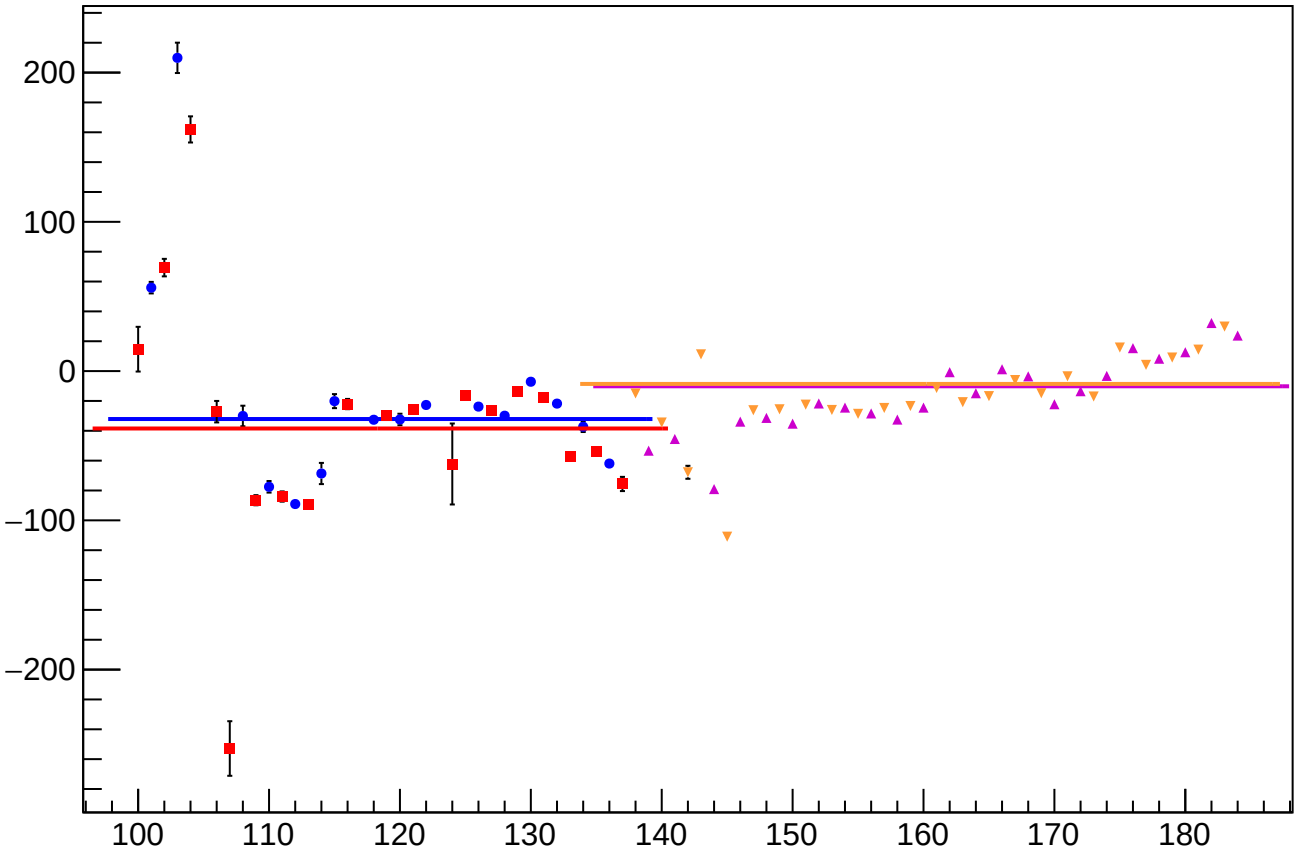
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 32.222+/-0.093 χ^2/NDF:5920.7/38

Out: 31.791+/-0.092 χ^2/NDF:7266.6/42

All: 32.005+/-0.065 χ^2/NDF: 13198.3/81


reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
180
Right In: -0.010+/-0.017 χ²/NDF: 587.4/15
Left Out: 0.153+/-0.004 χ²/NDF:1512.3/23
Right Out: -0.136+/-0.019 χ²/NDF: 818.5/18
Left In: 0.173+/-0.004 χ²/NDF:2129.7/22
Left: 0.163+/-0.003 χ²/NDF: 3653.2/46
Right: -0.068+/-0.013 χ²/NDF: 1430.0/34
In: 0.162+/-0.004 χ²/NDF:2822.3/38
Out: 0.139+/-0.004 χ²/NDF:2554.1/42
All: 0.150+/-0.003 χ²/NDF: 5392.6/81



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: -10.183+/-0.526 χ^2/NDF:2518.4/22

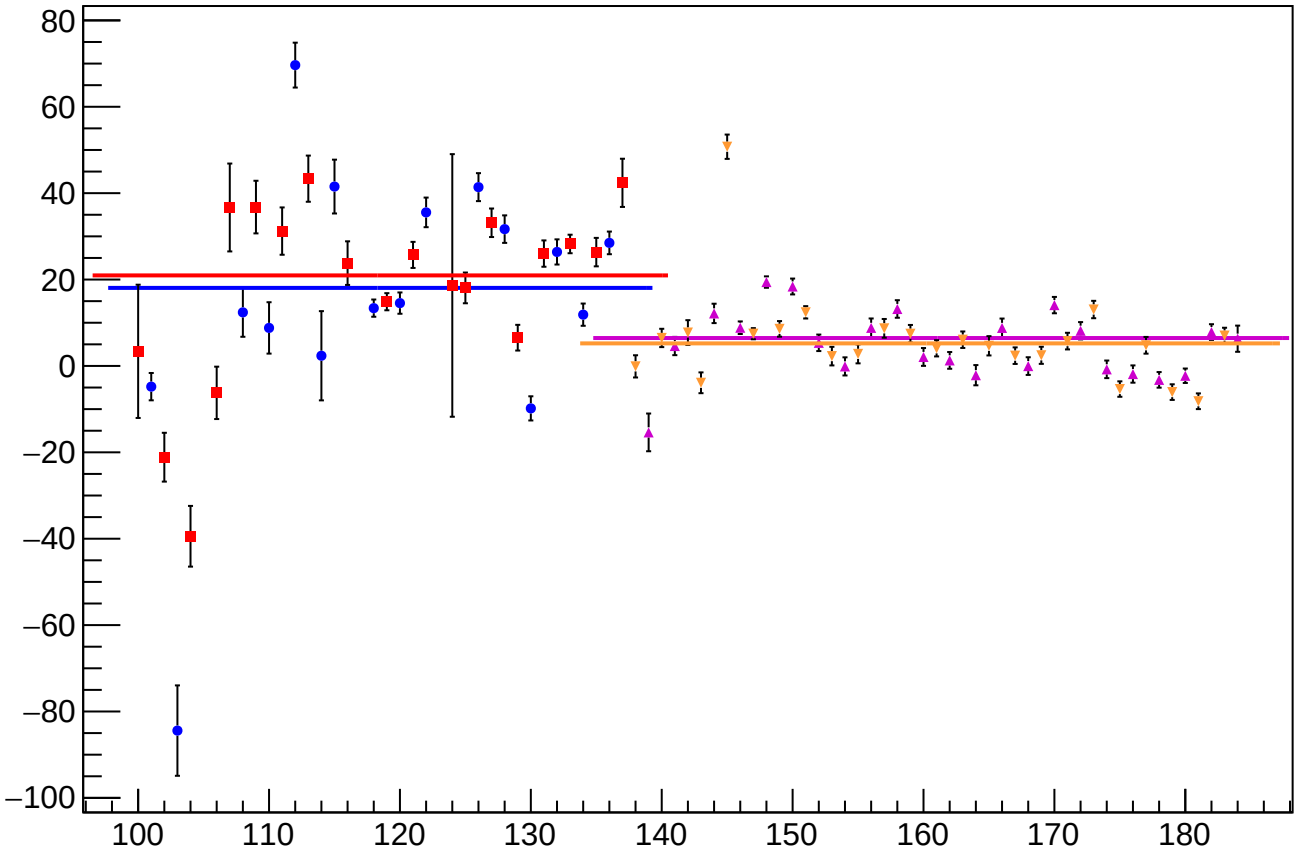
Left: -9.381+/-0.369 χ^2/NDF: 5060.7/46

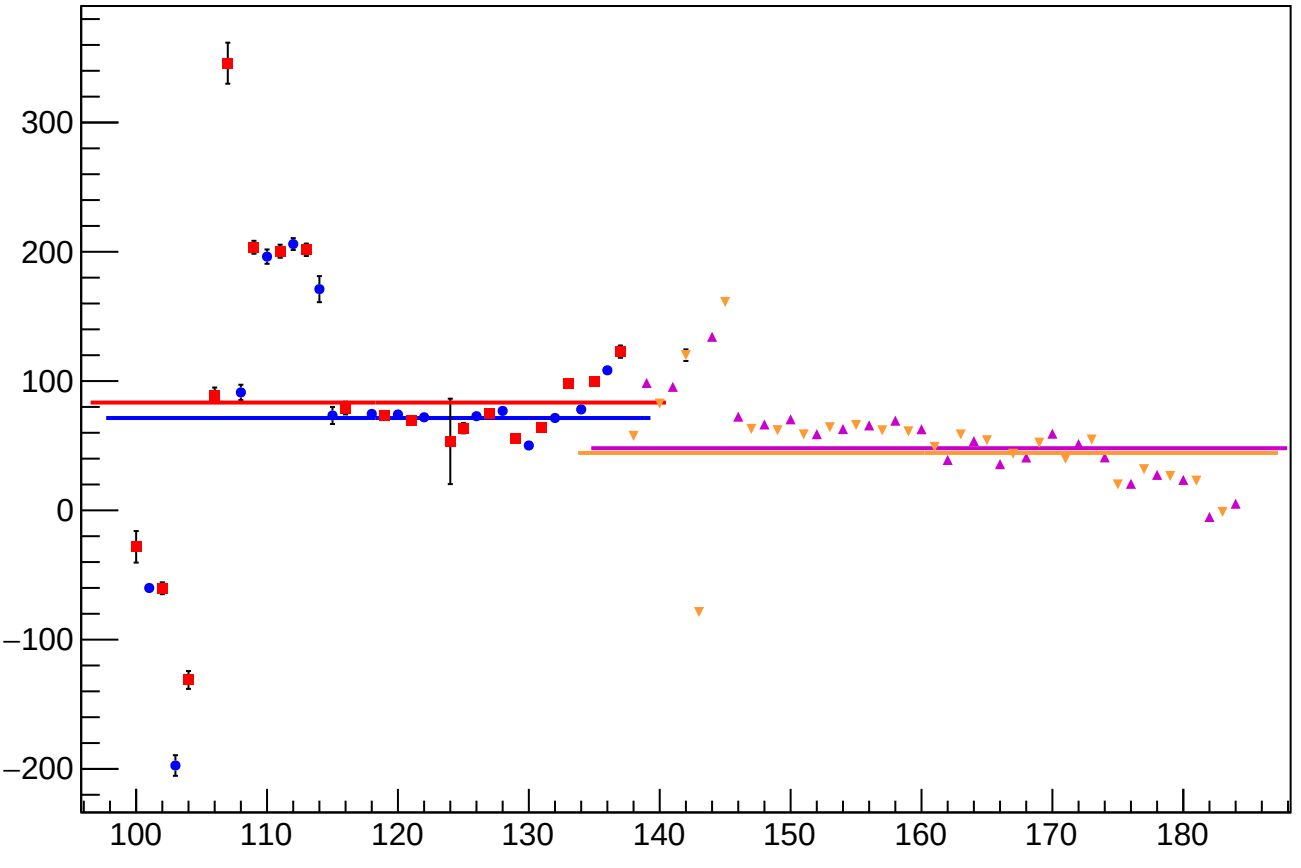
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -16.336+/-0.446 χ^2/NDF:4883.3/38

Out: -16.489+/-0.444 χ^2/NDF:5388.1/42

All: -16.413+/-0.315 χ^2/NDF: 10271.5/81


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: 6.461+/-0.408 χ²/NDF:336.0/22
Left: 5.824+/-0.284 χ²/NDF: 809.7/46
Right: 19.435+/-0.597 χ²/NDF: 768.0/34
In: 8.753+/-0.366 χ²/NDF:995.3/38
Out: 7.936+/-0.361 χ²/NDF:1003.4/42
All: 8.339+/-0.257 χ²/NDF: 2001.2/81



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: 48.076+/-0.521 χ^2/NDF:3376.5/22

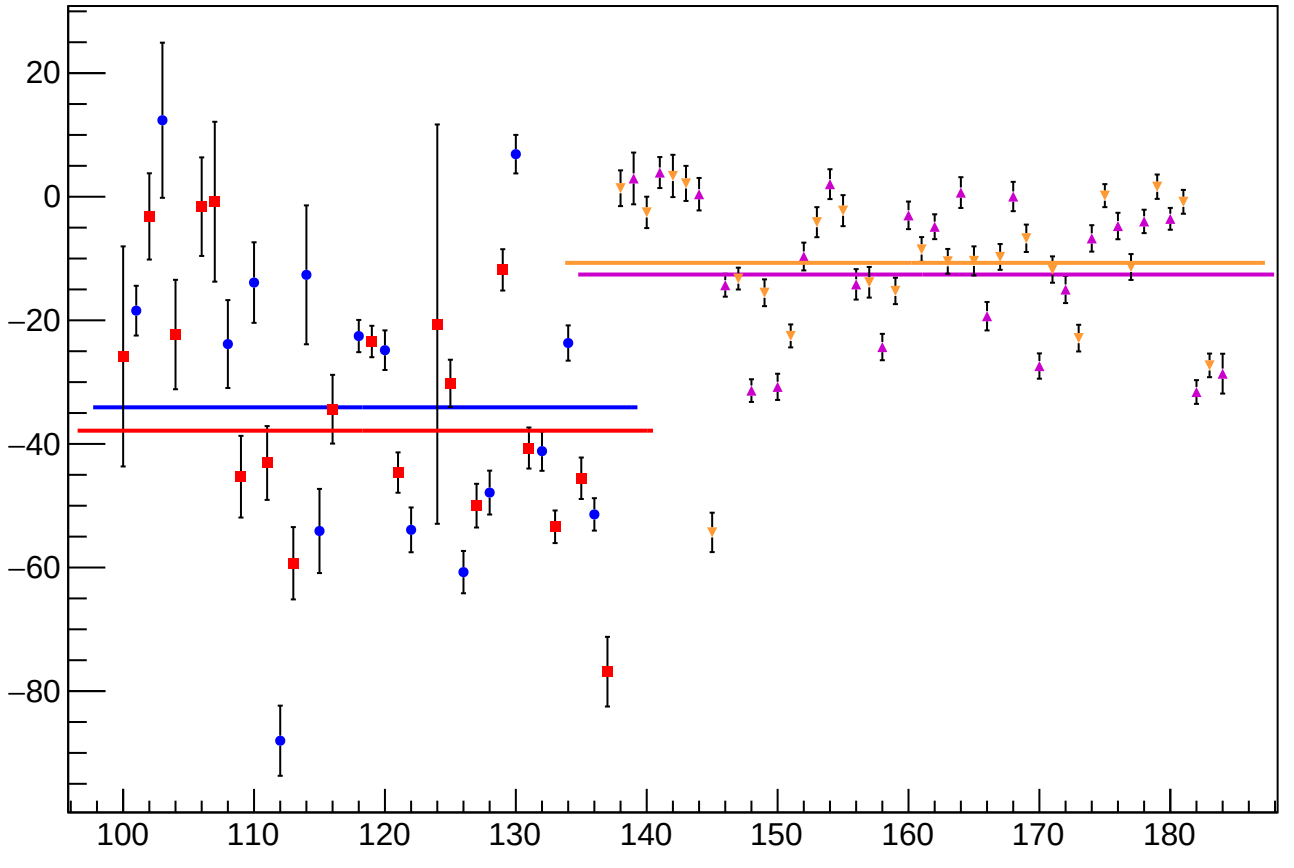
Left: 46.216+/-0.366 χ^2/NDF: 7930.5/46

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 53.646+/-0.455 χ^2/NDF:8674.7/38

Out: 52.740+/-0.455 χ^2/NDF:10056.8/42

All: 53.194+/-0.322 χ^2/NDF: 18733.4/81



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: -12.589+/-0.459 χ^2/NDF:671.8/22

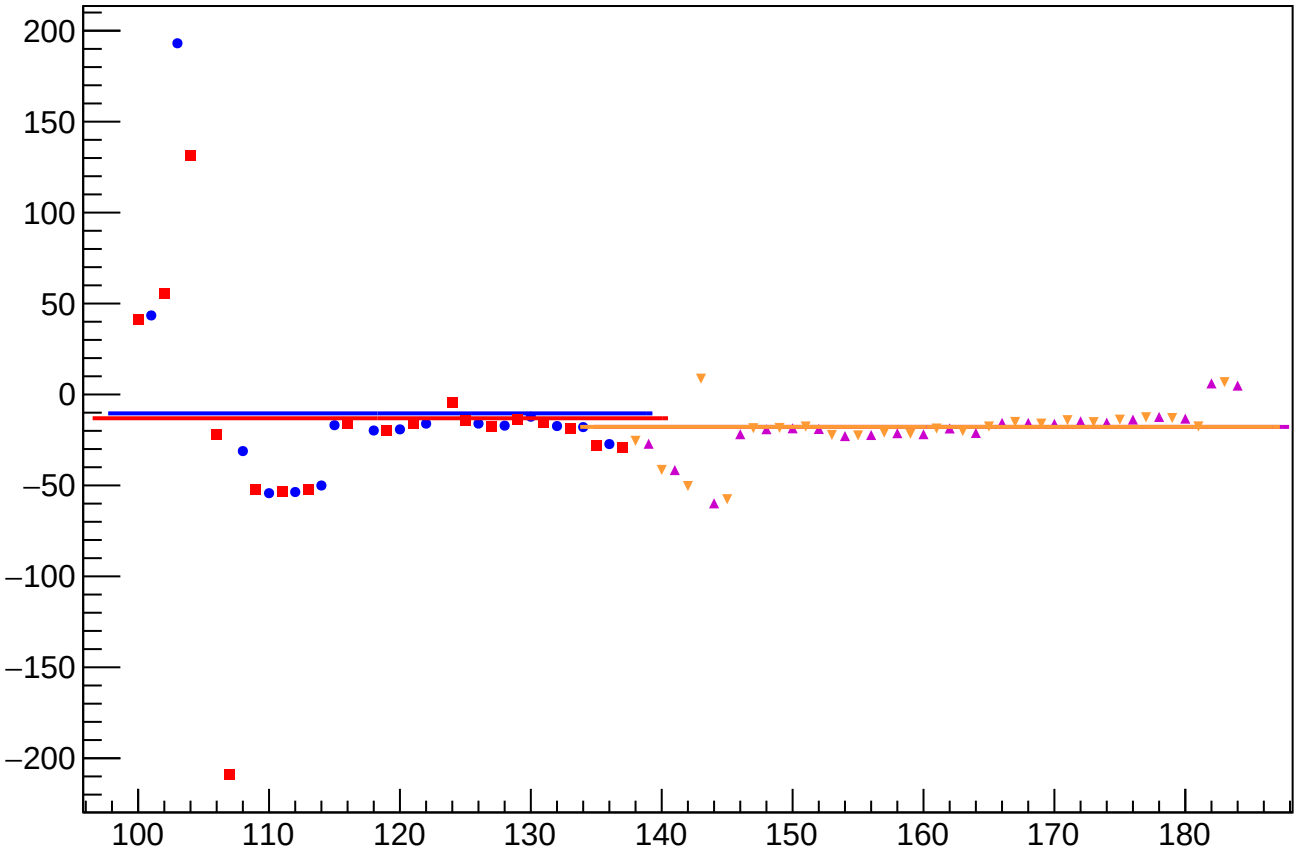
Left: -11.623+/-0.321 χ^2/NDF: 1216.8/46

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -16.708+/-0.413 χ^2/NDF:1603.4/38

Out: -15.289+/-0.409 χ^2/NDF:1431.4/42

All: -15.992+/-0.290 χ^2/NDF: 3040.8/81



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: -17.829+/-0.020 χ^2/NDF:267426.0/22

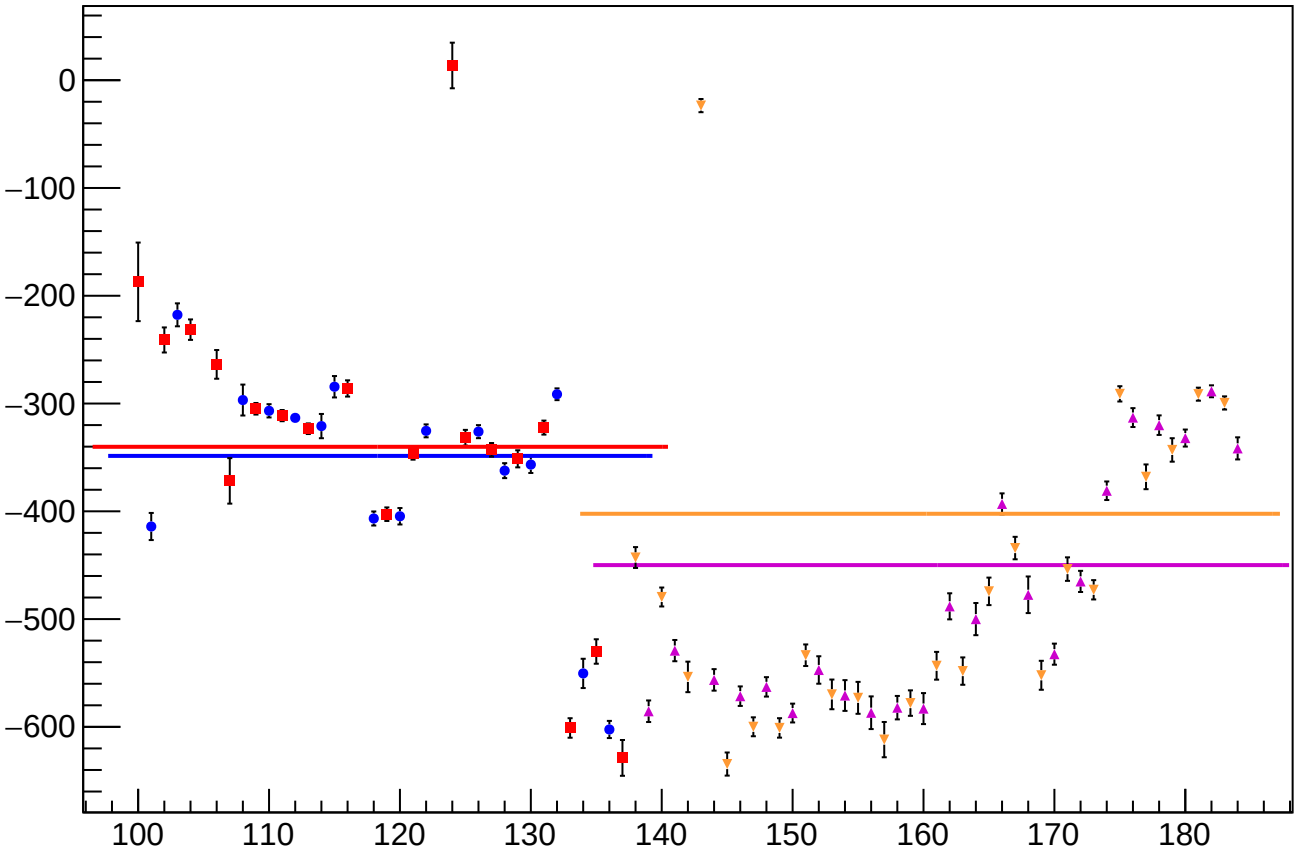
Left: -17.820+/-0.014 χ^2/NDF: 585773.6/46

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -16.989+/-0.019 χ^2/NDF:804923.8/38

Out: -17.366+/-0.019 χ^2/NDF:773141.8/42

All: -17.177+/-0.014 χ^2/NDF: 1578259.1/81



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: -449.912+/-2.043 χ^2/NDF:3218.9/22

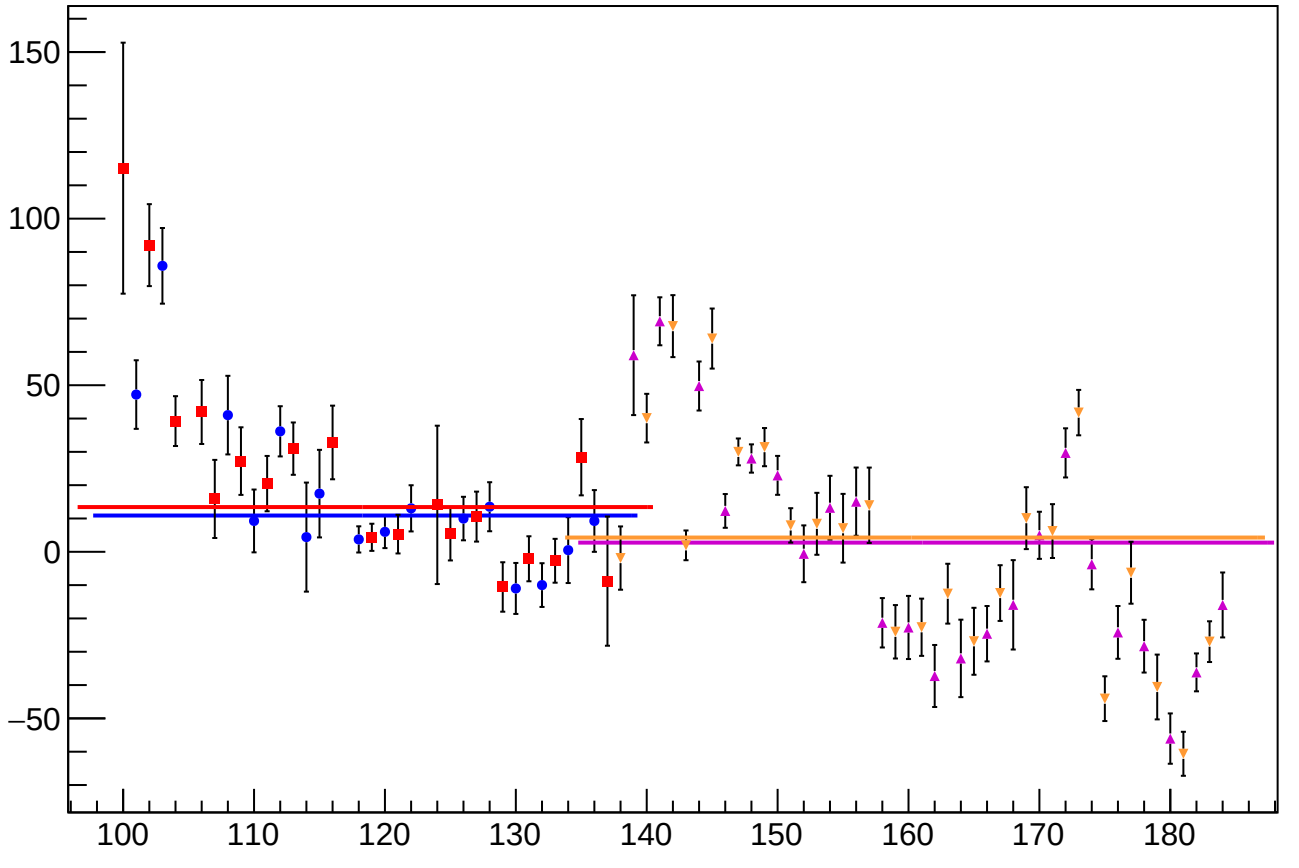
Left: -424.953+/-1.409 χ^2/NDF: 11243.0/46

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -393.542+/-1.361 χ^2/NDF:6445.4/38

Out: -368.080+/-1.305 χ^2/NDF:10497.4/42

All: -380.281+/-0.942 χ^2/NDF: 17125.0/81



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: 2.756+/-1.554 χ^2/NDF:399.6/22

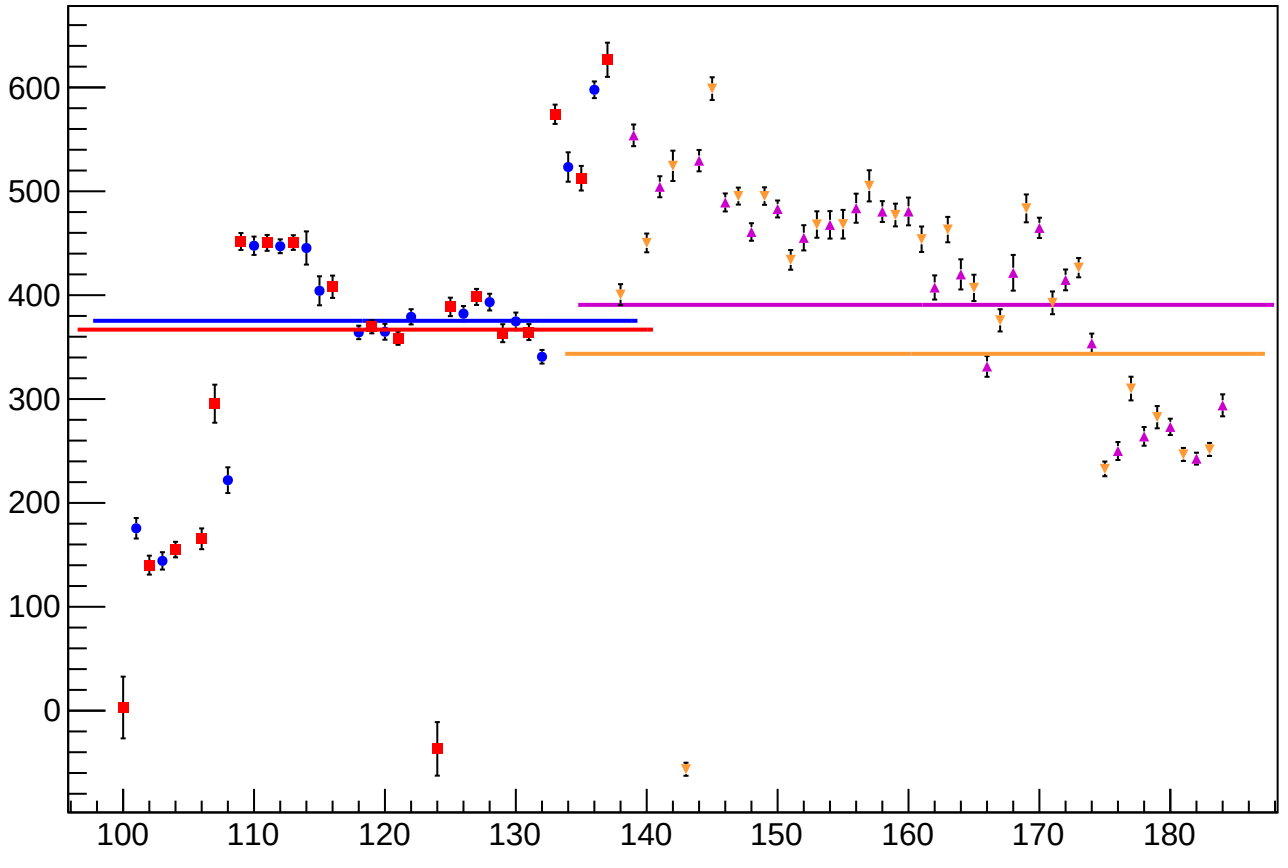
Left: 3.566+/-1.063 χ^2/NDF: 847.2/46

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 6.136+/-1.188 χ^2/NDF:509.2/38

Out: 7.775+/-1.146 χ^2/NDF:574.5/42

All: 6.985+/-0.825 χ^2/NDF: 1084.7/81



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: 390.672+/-2.029 χ^2/NDF:2672.8/22

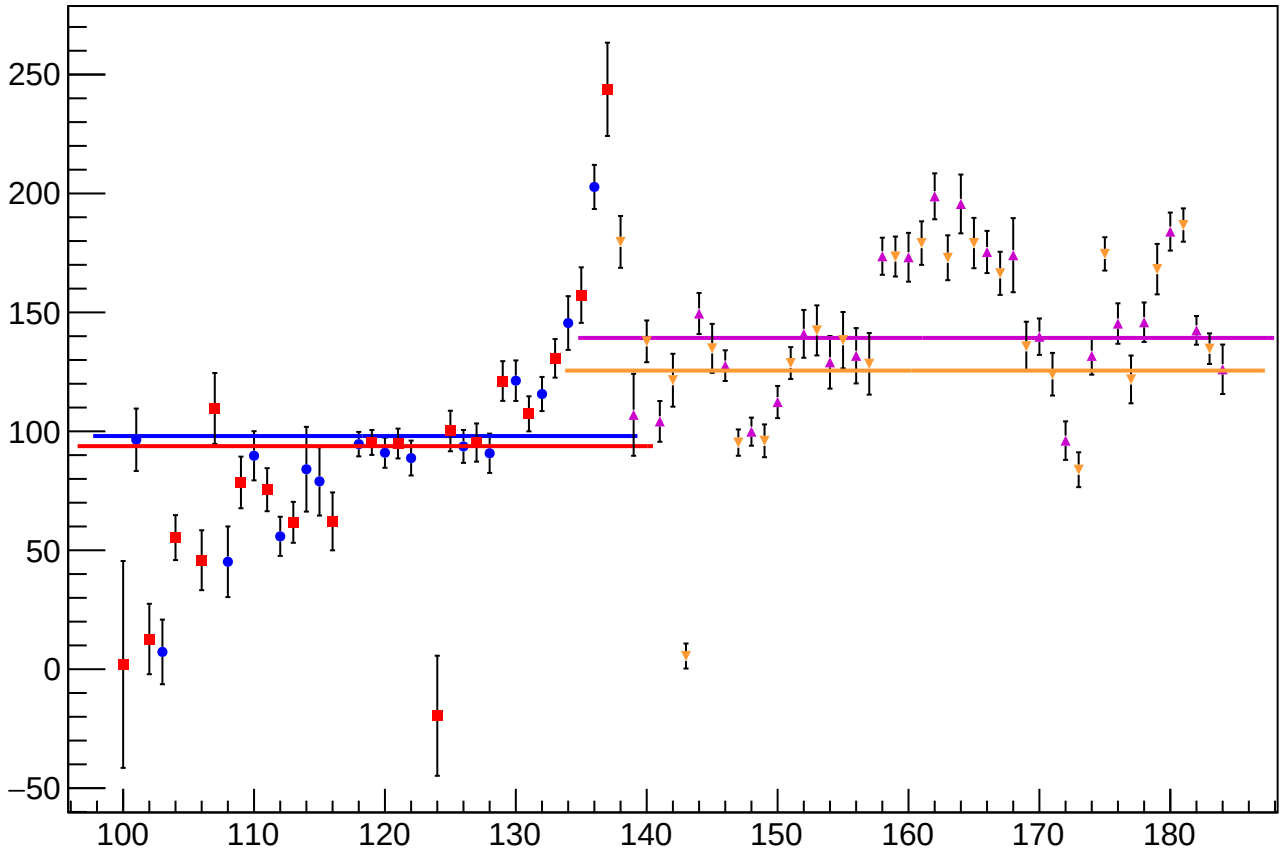
Left: 366.071+/-1.403 χ^2/NDF: 10213.9/46

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 383.268+/-1.460 χ^2/NDF:5149.8/38

Out: 354.561+/-1.410 χ^2/NDF:10868.8/42

All: 368.409+/-1.014 χ^2/NDF: 16218.7/81



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: 139.274+/-1.769 χ^2/NDF:260.9/22

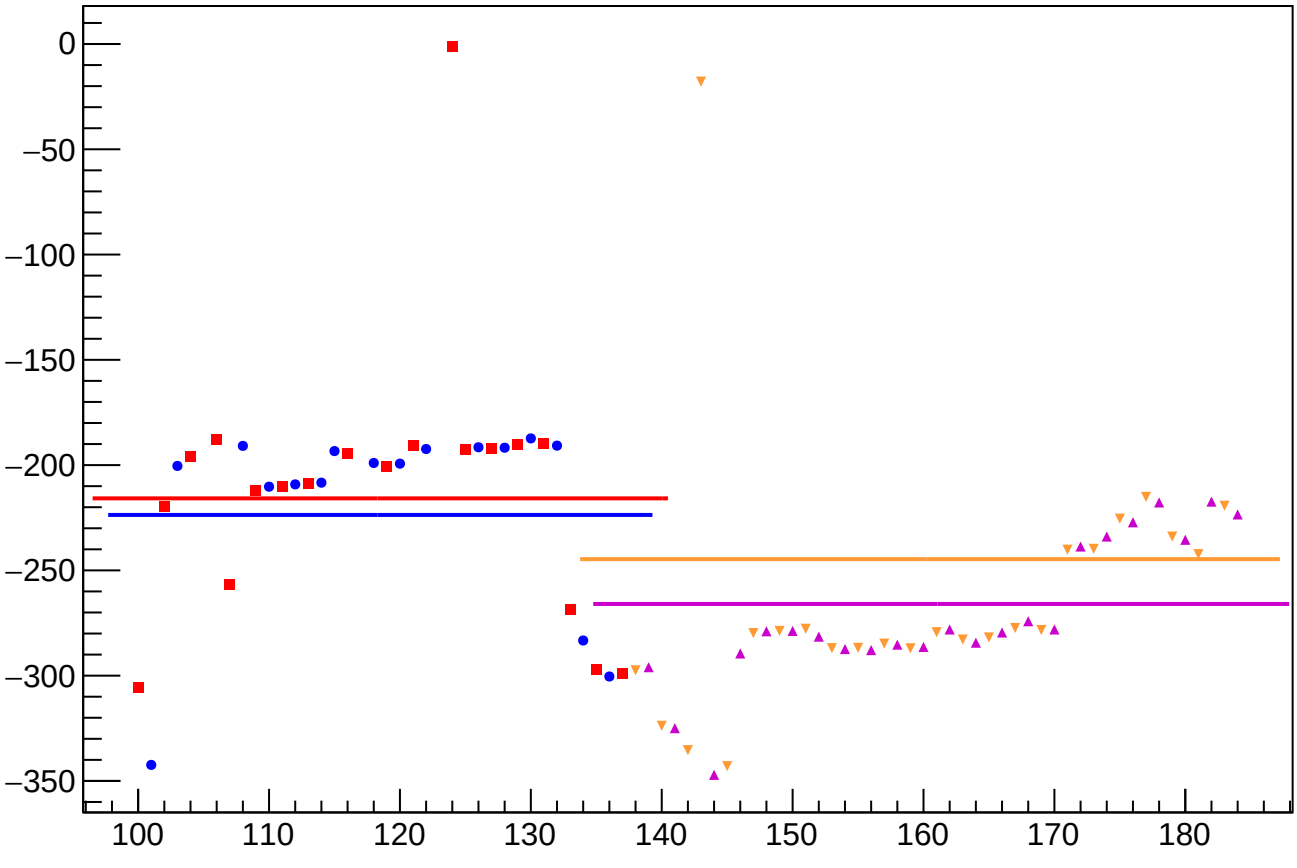
Left: 132.037+/-1.217 χ^2/NDF: 1207.6/46

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 122.562+/-1.365 χ^2/NDF:730.6/38

Out: 113.440+/-1.320 χ^2/NDF:1288.7/42

All: 117.848+/-0.949 χ^2/NDF: 2042.4/81



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: -265.945+/-0.081 χ^2/NDF:169943.2/22

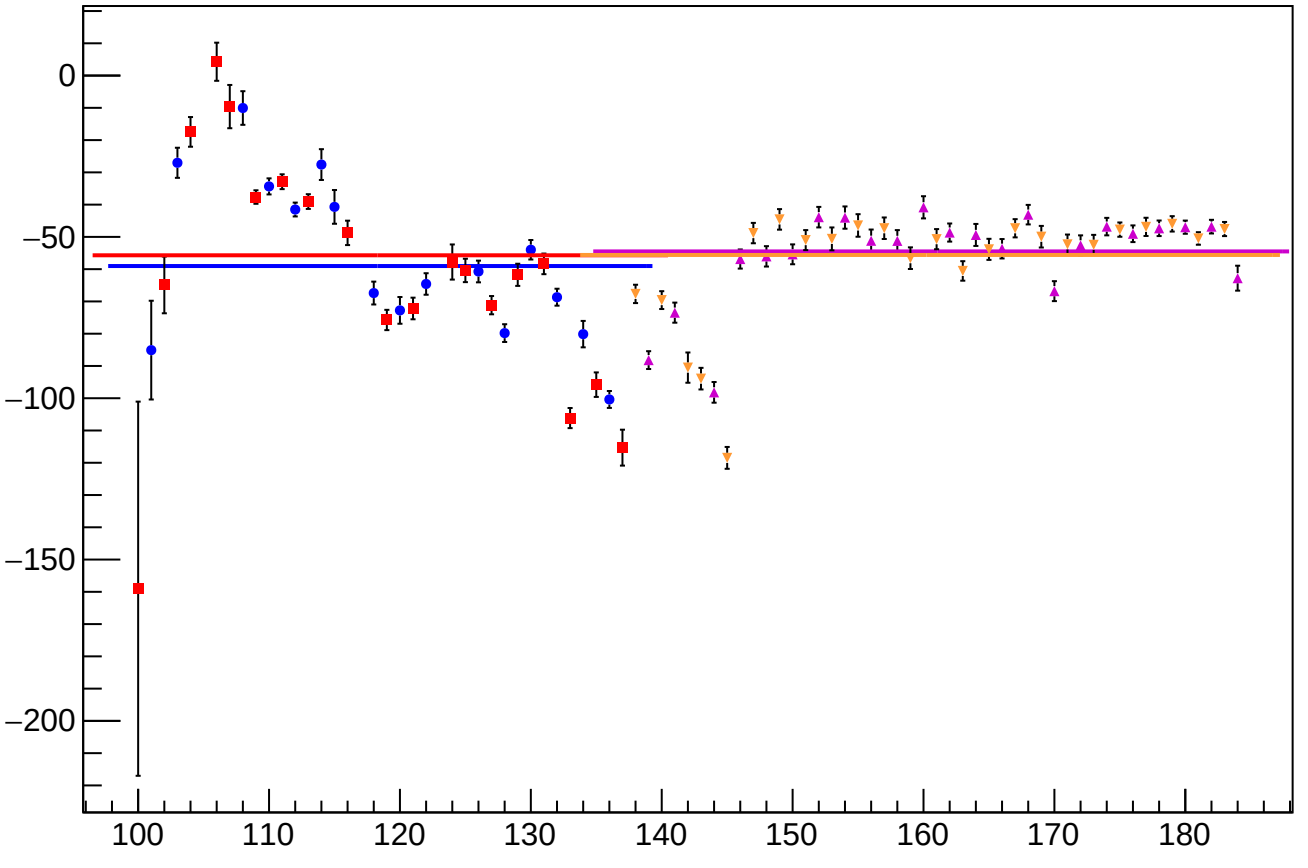
Left: -255.015+/-0.056 χ^2/NDF: 1201081.1/46

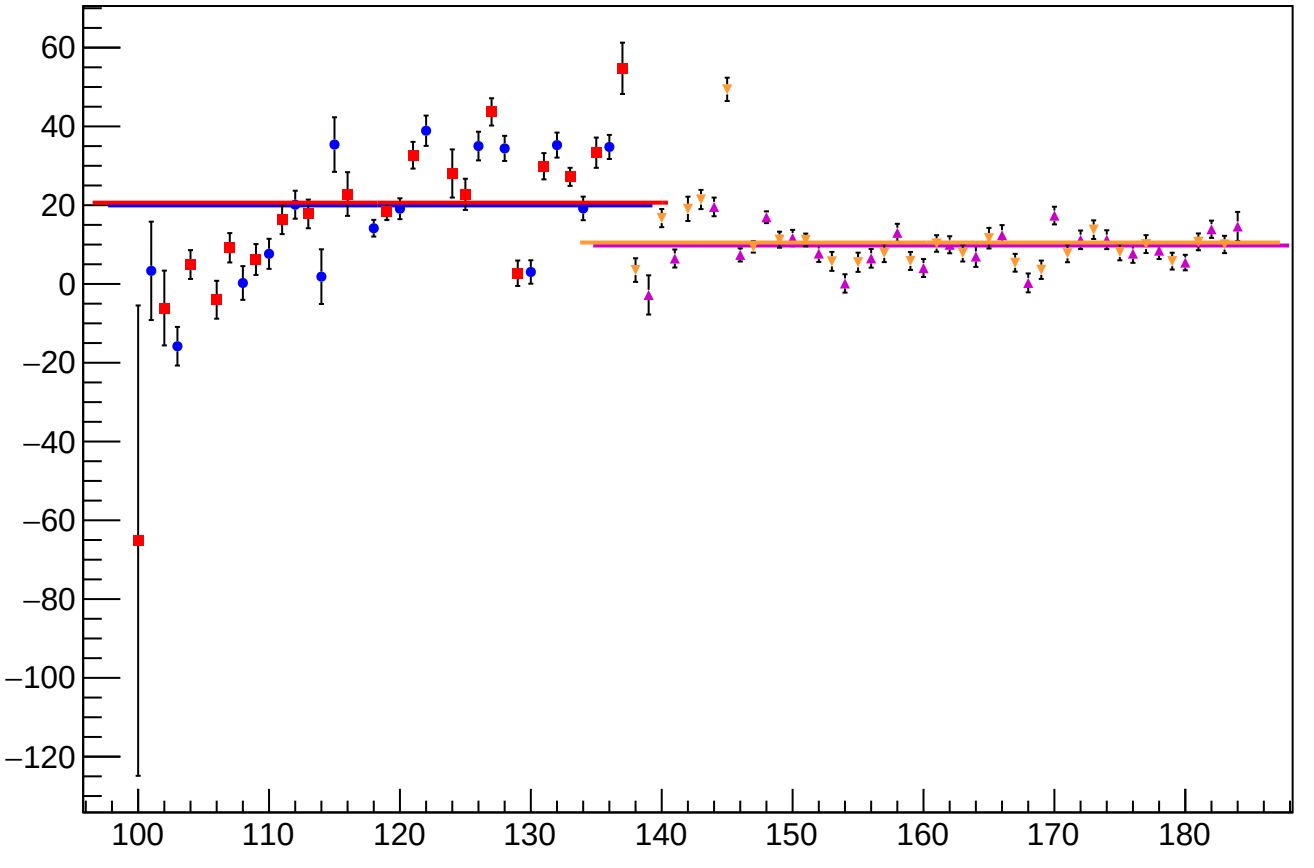
Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -255.244+/-0.070 χ^2/NDF:361286.2/38

Out: -237.341+/-0.068 χ^2/NDF:1111255.2/42

All: -246.043+/-0.049 χ^2/NDF: 1506574.4/81


reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
Right In: -59.030+/-0.829 χ²/NDF: 727.3/15
Left Out: -55.597+/-0.594 χ²/NDF:686.4/23
Right Out: -55.701+/-0.790 χ²/NDF: 1041.1/18
Left In: -54.499+/-0.606 χ²/NDF:500.4/22
Left: -55.059+/-0.424 χ²/NDF: 1188.5/46
Right: -57.284+/-0.572 χ²/NDF: 1776.9/34
In: -56.077+/-0.489 χ²/NDF:1247.2/38
Out: -55.634+/-0.475 χ²/NDF:1727.5/42
All: -55.849+/-0.341 χ²/NDF: 2975.1/81



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: 9.765+/-0.467 χ^2/NDF:121.0/22

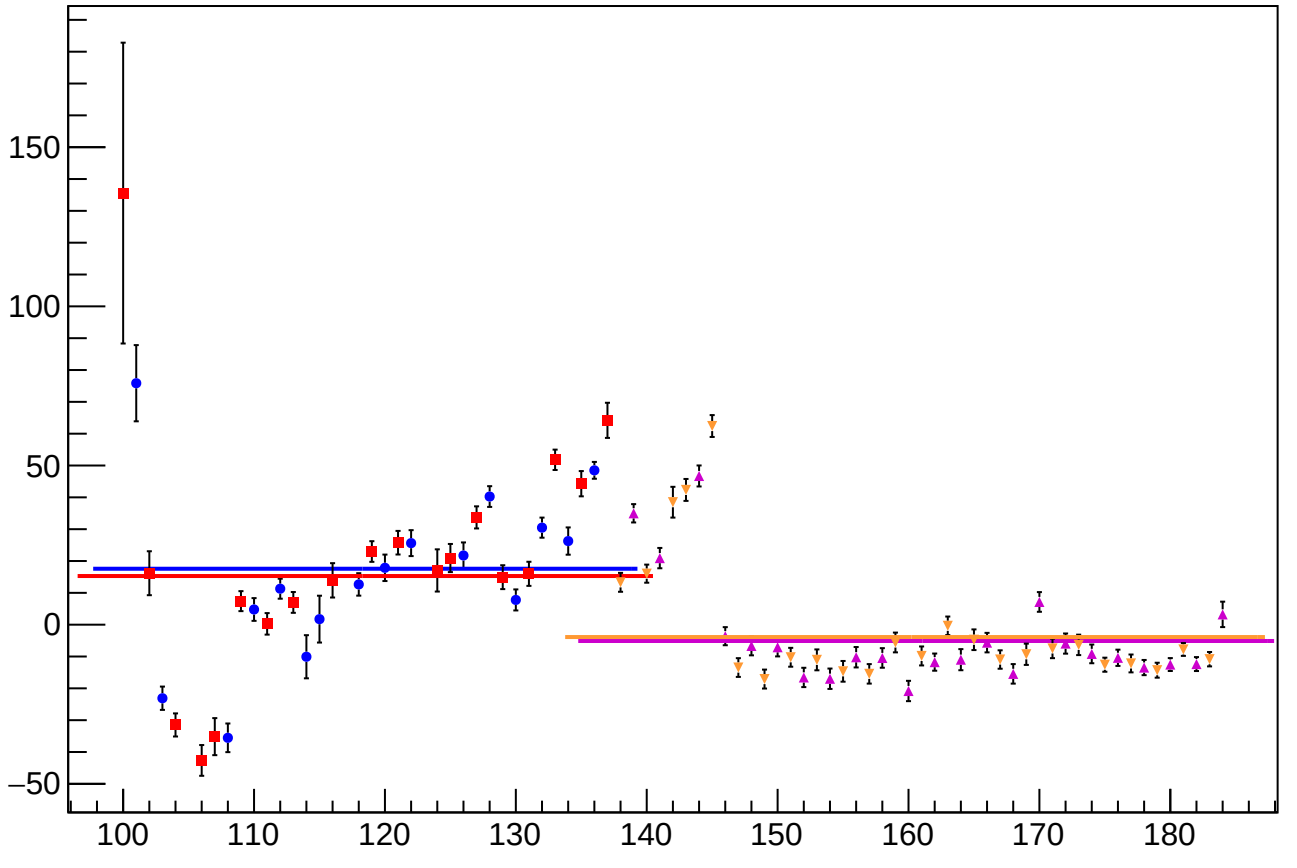
Left: 10.154+/-0.325 χ^2/NDF: 374.5/46

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 12.052+/-0.411 χ^2/NDF:475.0/38

Out: 12.776+/-0.398 χ^2/NDF:588.8/42

All: 12.425+/-0.286 χ^2/NDF: 1065.4/81



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: -5.124+/-0.600 χ^2/NDF:649.7/22

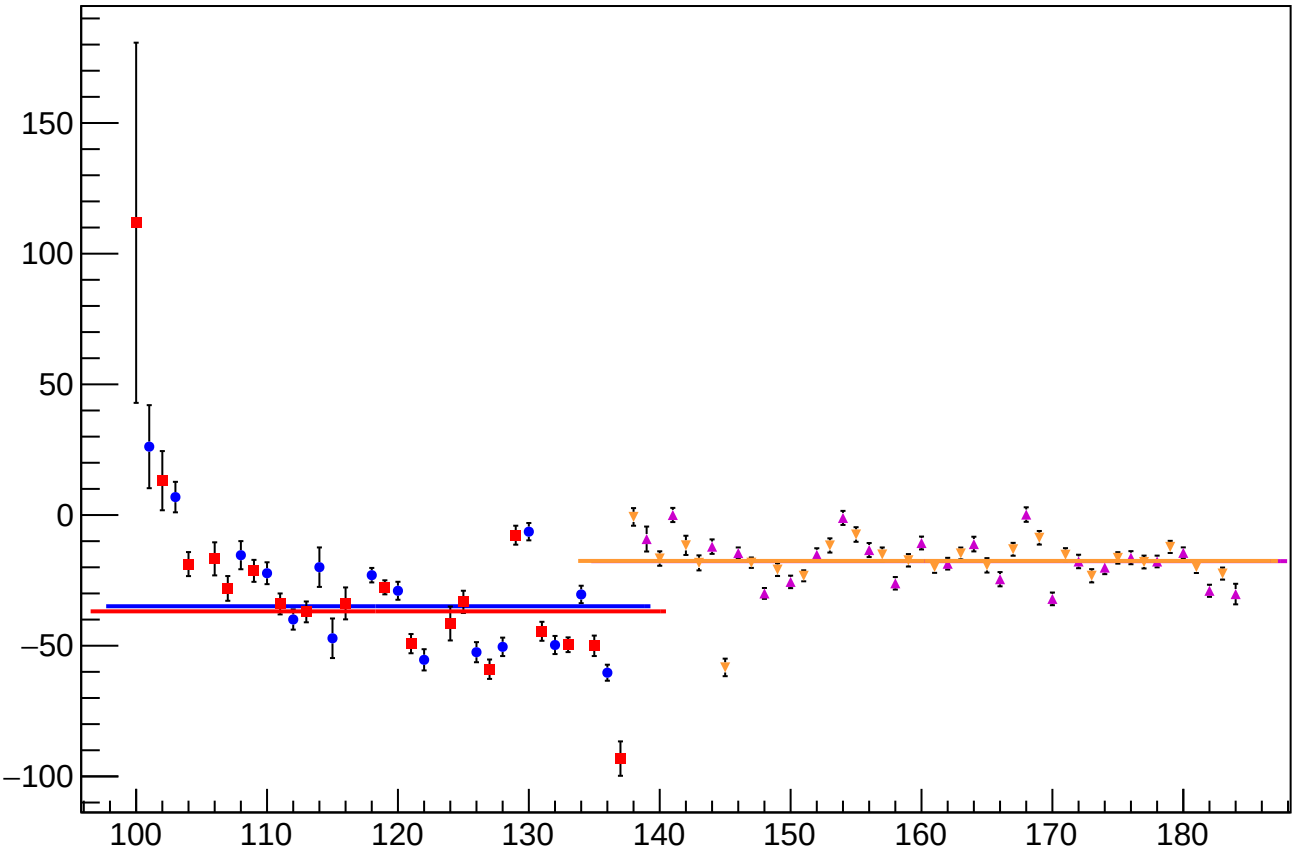
Left: -4.493+/-0.420 χ^2/NDF: 1502.0/46

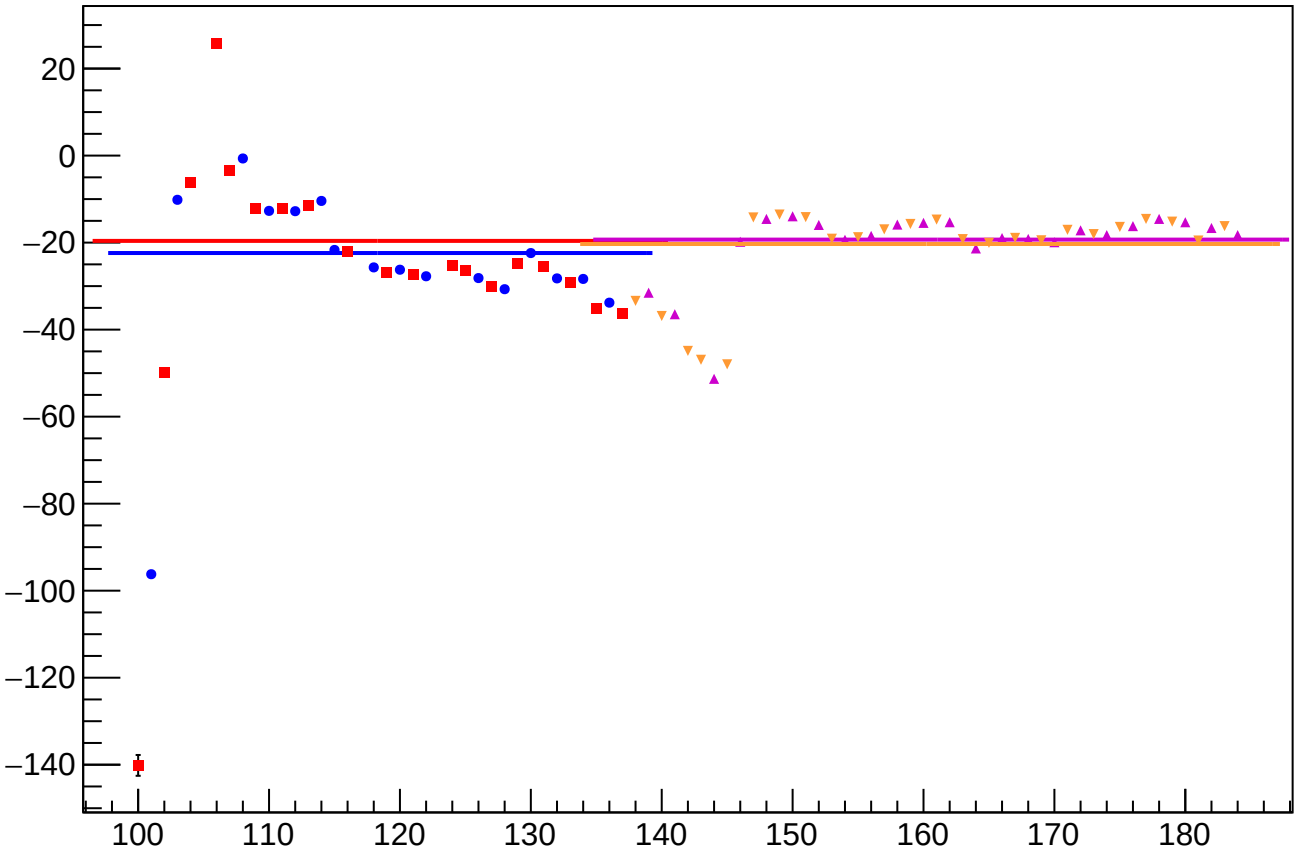
Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 1.278+/-0.508 χ^2/NDF:1600.1/38

Out: 1.570+/-0.498 χ^2/NDF:1881.5/42

All: 1.427+/-0.356 χ^2/NDF: 3481.8/81


reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: -34.899+/-0.990 χ²/NDF: 346.6/15
Left Out: -17.560+/-0.512 χ²/NDF:238.0/23
Right Out: -36.853+/-0.970 χ²/NDF: 301.4/18
Left In: -17.643+/-0.526 χ²/NDF:285.9/22
Left: -17.600+/-0.367 χ²/NDF: 523.9/46
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -21.440+/-0.465 χ²/NDF:869.3/38
Out: -21.769+/-0.453 χ²/NDF:849.0/42
All: -21.609+/-0.324 χ²/NDF: 1718.6/81



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: -19.310+/-0.023 χ^2/NDF:93090.9/22

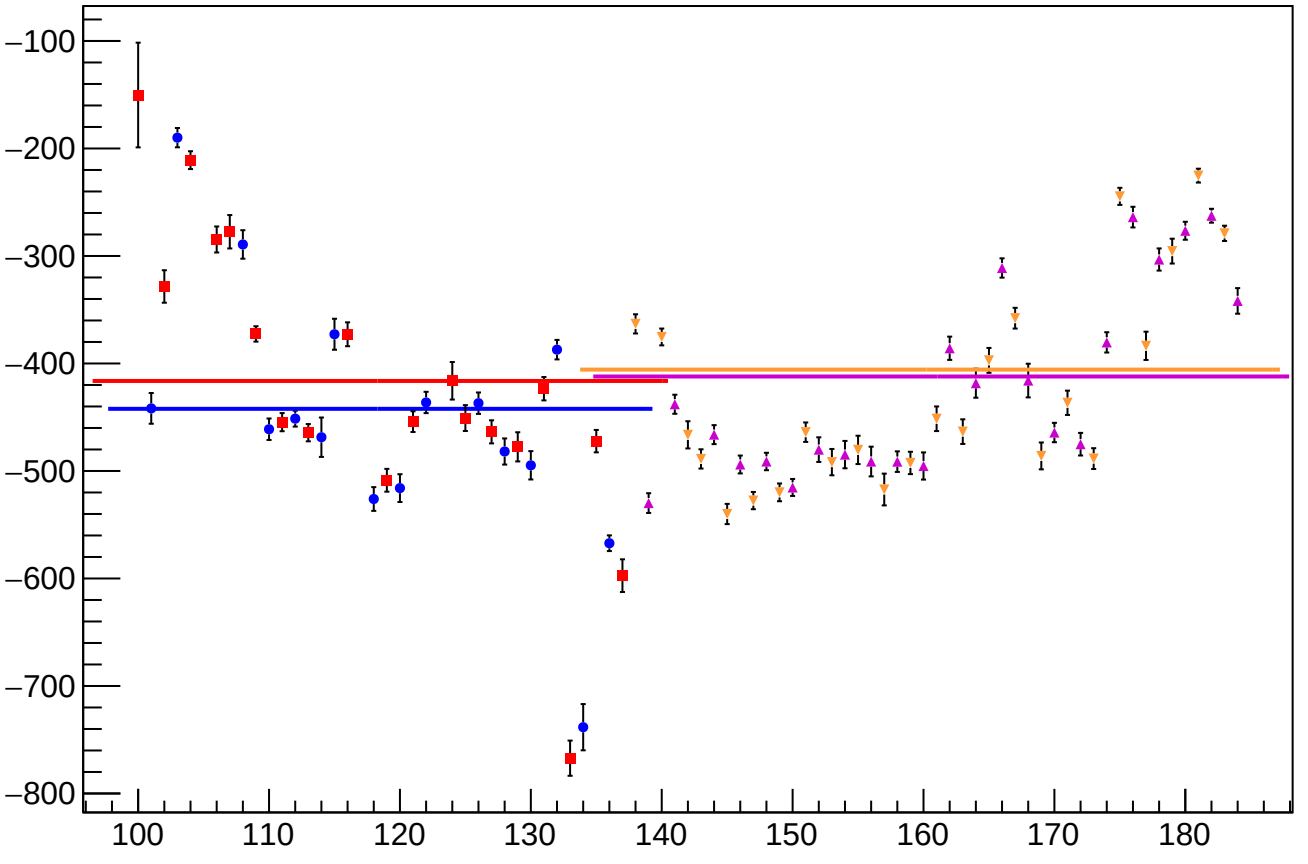
Left: -19.820+/-0.016 χ^2/NDF: 240436.3/46

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -19.734+/-0.022 χ^2/NDF:142025.3/38

Out: -20.228+/-0.021 χ^2/NDF:230383.6/42

All: -19.982+/-0.015 χ^2/NDF: 372671.7/81



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: -412.102+/-2.008 χ^2/NDF:2182.3/22

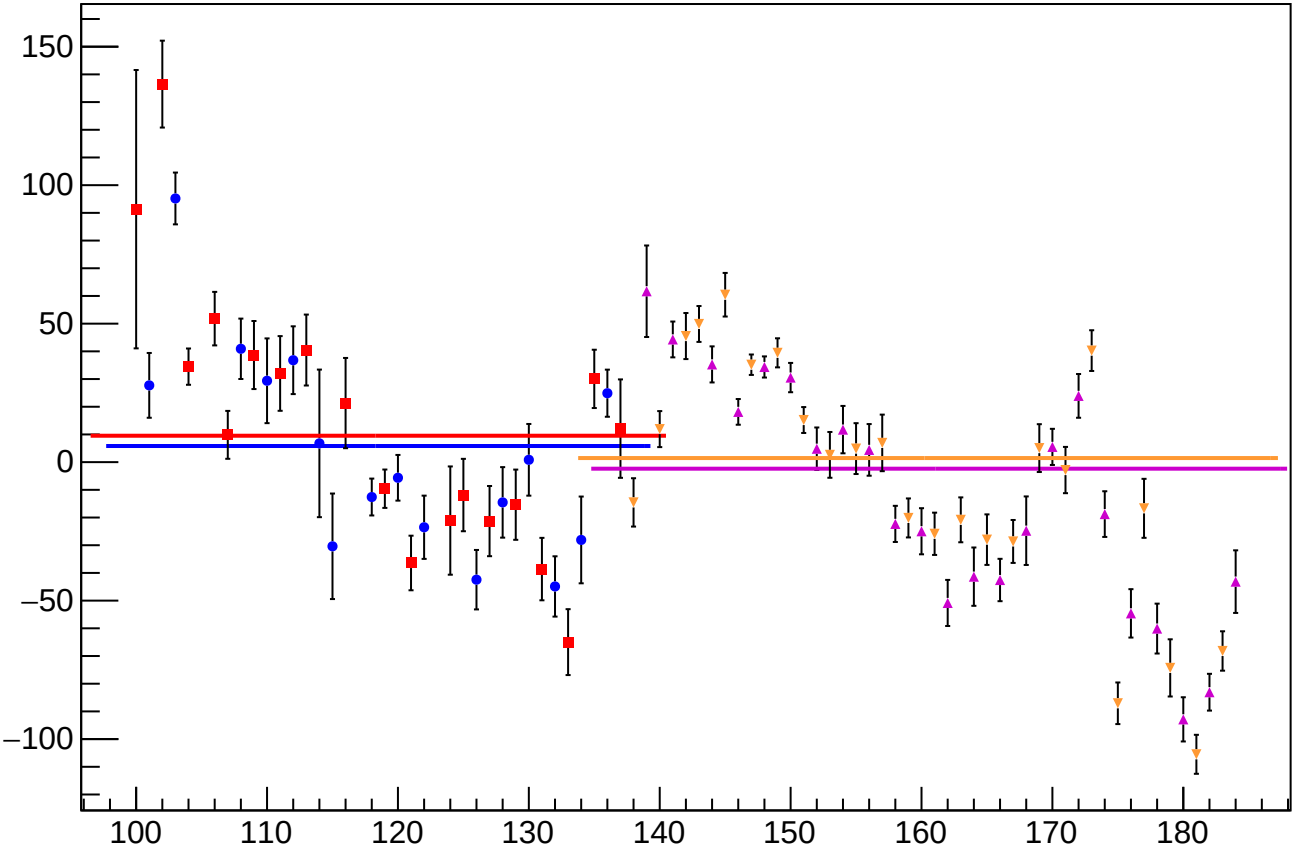
Left: -408.830+/-1.405 χ^2/NDF: 5001.3/46

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -422.911+/-1.607 χ^2/NDF:3852.0/38

Out: -409.687+/-1.551 χ^2/NDF:4578.5/42

All: -416.061+/-1.116 χ^2/NDF: 8465.6/81



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: -2.365+/-1.482 χ^2/NDF:733.4/22

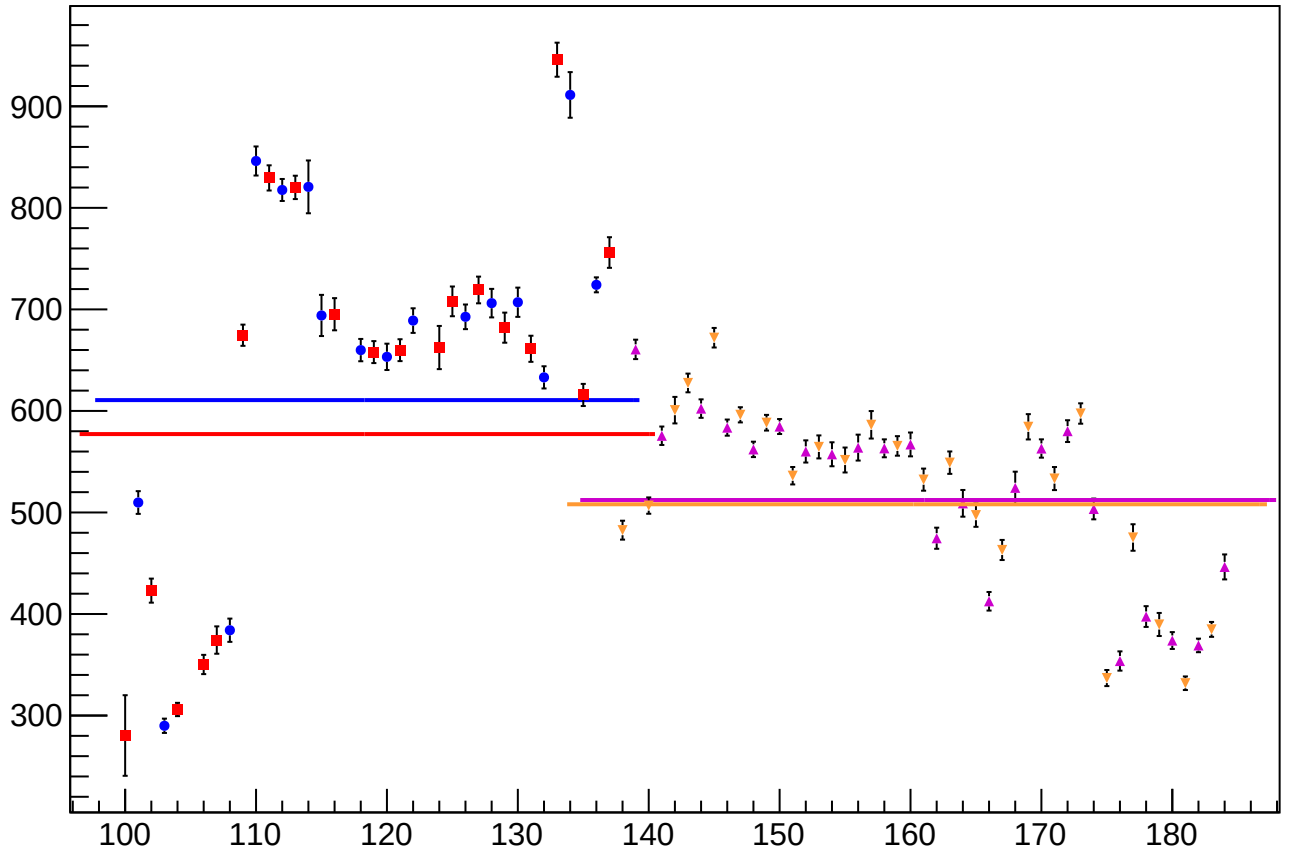
Left: -0.382+/-1.031 χ^2/NDF: 1634.0/46

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: -0.498+/-1.303 χ^2/NDF:928.5/38

Out: 3.404+/-1.251 χ^2/NDF:1126.9/42

All: 1.532+/-0.902 χ^2/NDF: 2060.0/81



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: 512.270+/-1.984 χ^2/NDF:2087.6/22

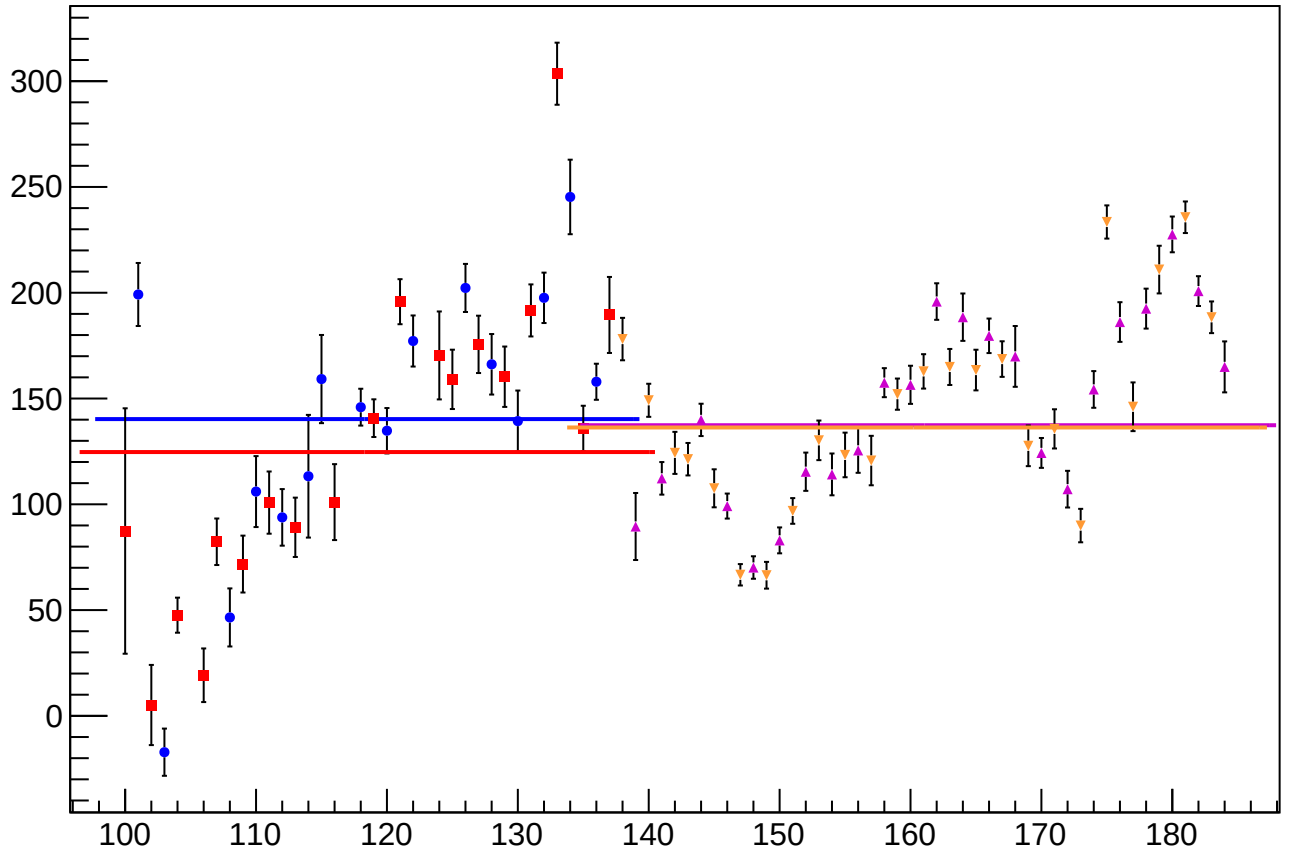
Left: 510.130+/-1.390 χ^2/NDF: 4688.2/46

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 543.751+/-1.636 χ^2/NDF:6767.3/38

Out: 531.130+/-1.591 χ^2/NDF:7818.2/42

All: 537.266+/-1.141 χ^2/NDF: 14616.1/81



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: 137.374+/-1.702 χ^2/NDF:706.0/22

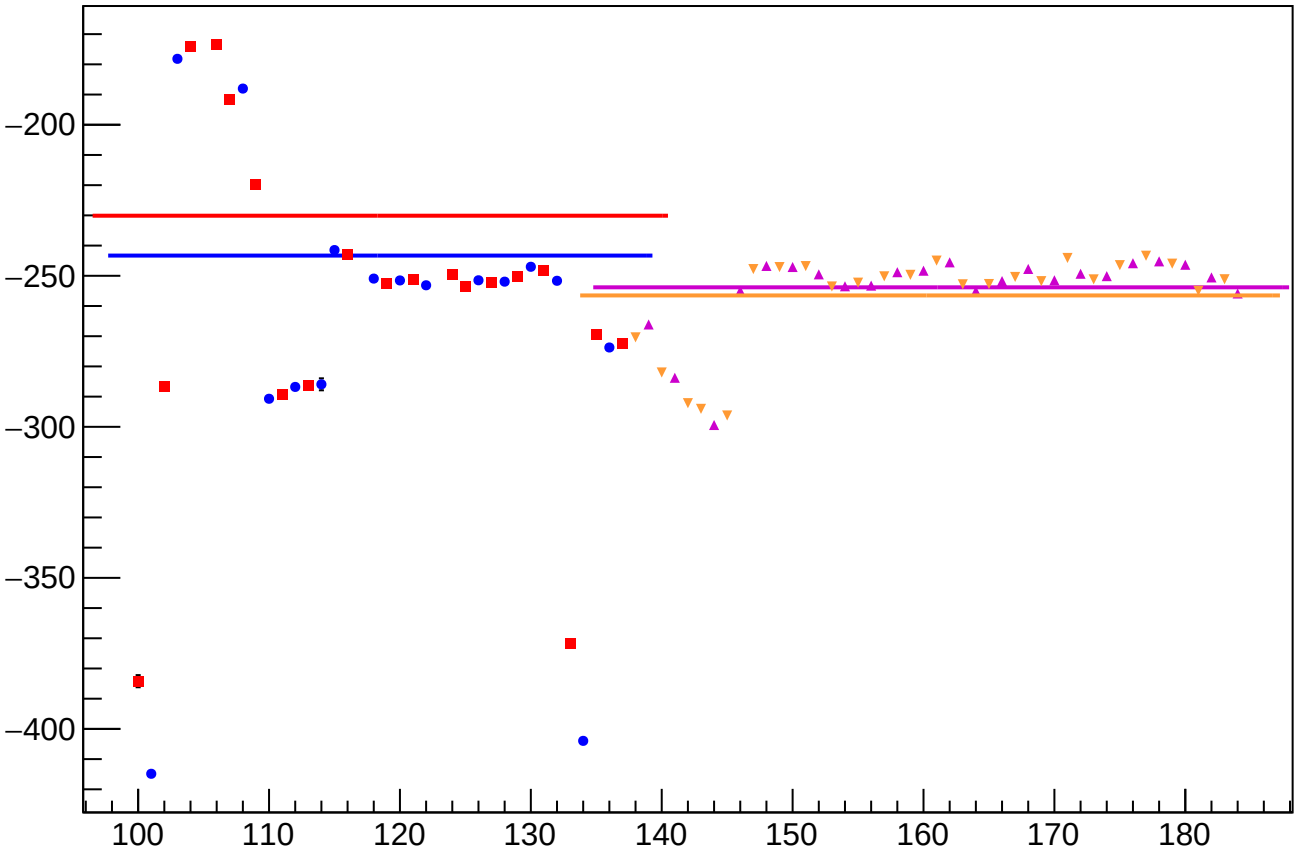
Left: 136.830+/-1.188 χ^2/NDF: 1606.9/46

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 138.030+/-1.498 χ^2/NDF:1092.0/38

Out: 133.560+/-1.450 χ^2/NDF:1420.9/42

All: 135.722+/-1.042 χ^2/NDF: 2517.5/81



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: -253.817+/-0.078 χ^2/NDF:24076.7/22

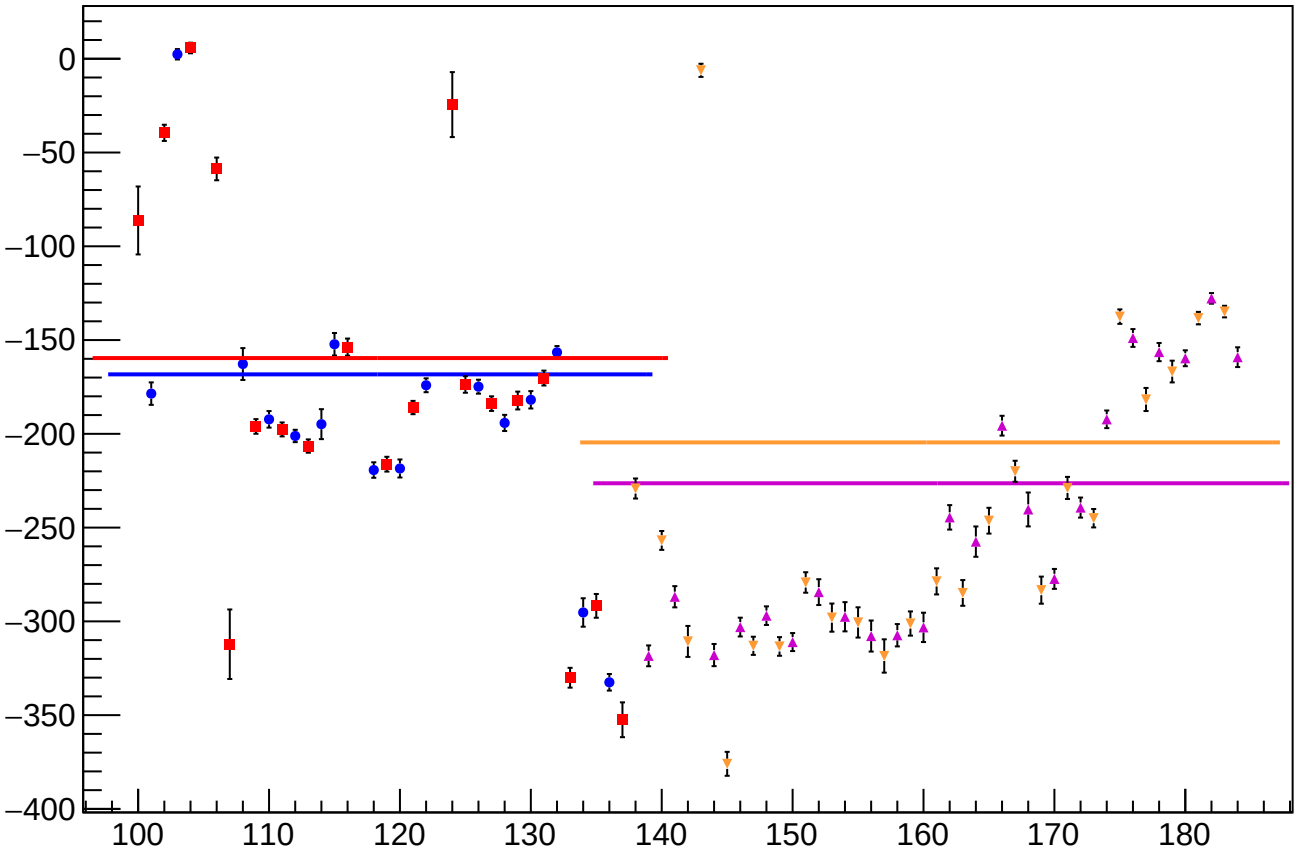
Left: -255.161+/-0.055 χ^2/NDF: 63965.7/46

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -251.856+/-0.070 χ^2/NDF:200966.2/38

Out: -251.325+/-0.070 χ^2/NDF:164355.6/42

All: -251.589+/-0.049 χ^2/NDF: 365350.7/81



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: -226.365+/-1.105 χ^2/NDF:4219.0/22

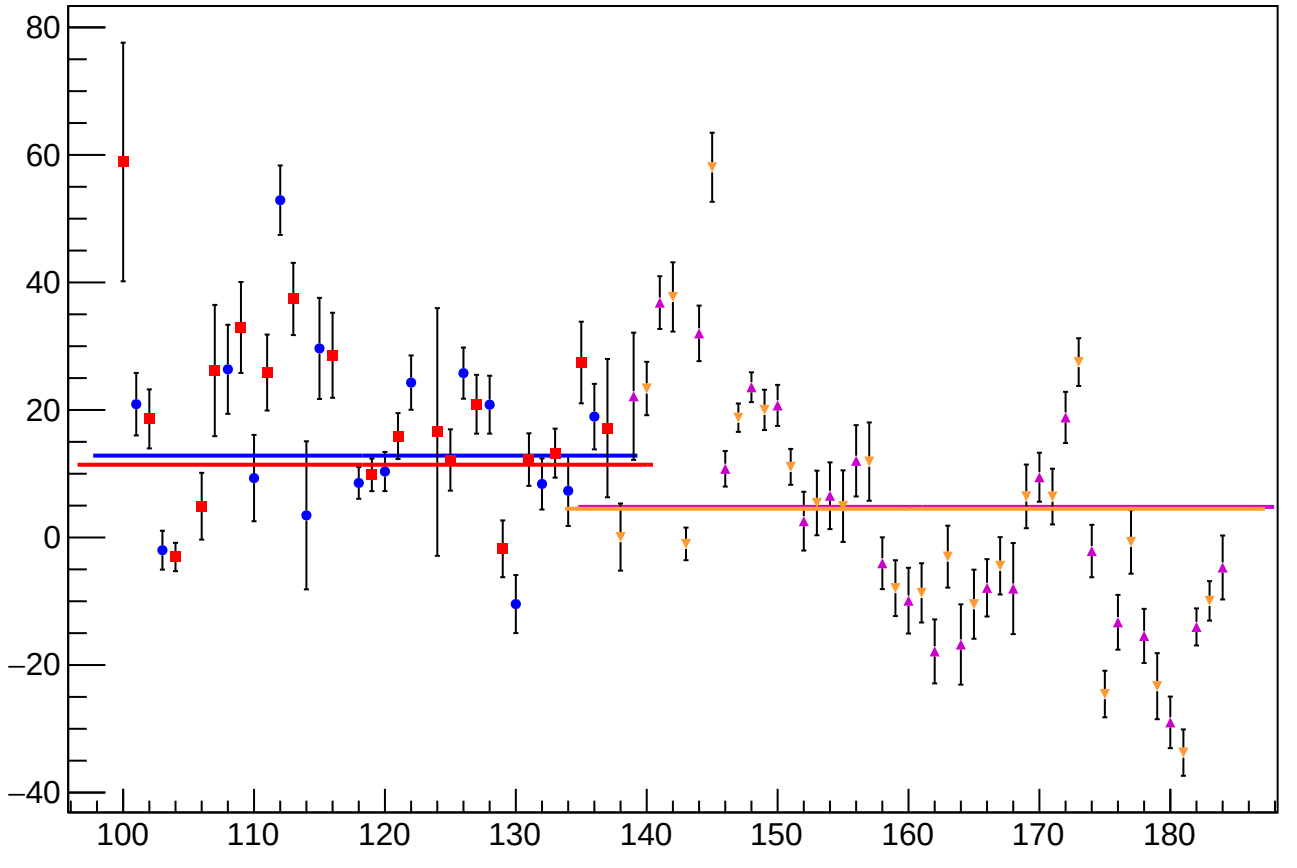
Left: -215.059+/-0.766 χ^2/NDF: 12243.2/46

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -196.550+/-0.771 χ^2/NDF:11544.7/38

Out: -181.621+/-0.745 χ^2/NDF:15931.6/42

All: -188.828+/-0.536 χ^2/NDF: 27670.4/81



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: 4.799+/-0.846 χ^2/NDF:426.3/22

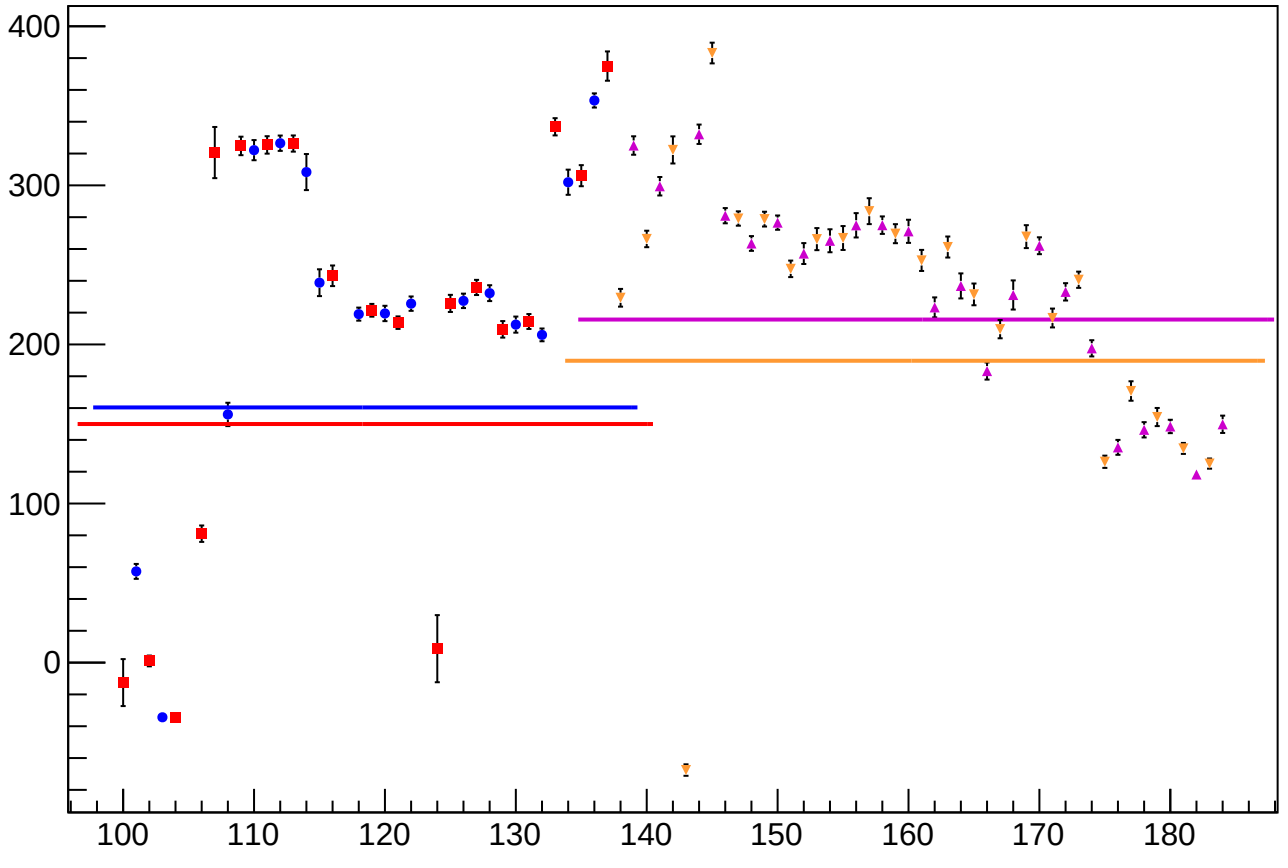
Left: 4.645+/-0.582 χ^2/NDF: 953.3/46

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 7.872+/-0.665 χ^2/NDF:604.5/38

Out: 7.091+/-0.633 χ^2/NDF:674.3/42

All: 7.462+/-0.459 χ^2/NDF: 1279.6/81



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: 215.649+/-1.098 χ^2/NDF:3886.0/22

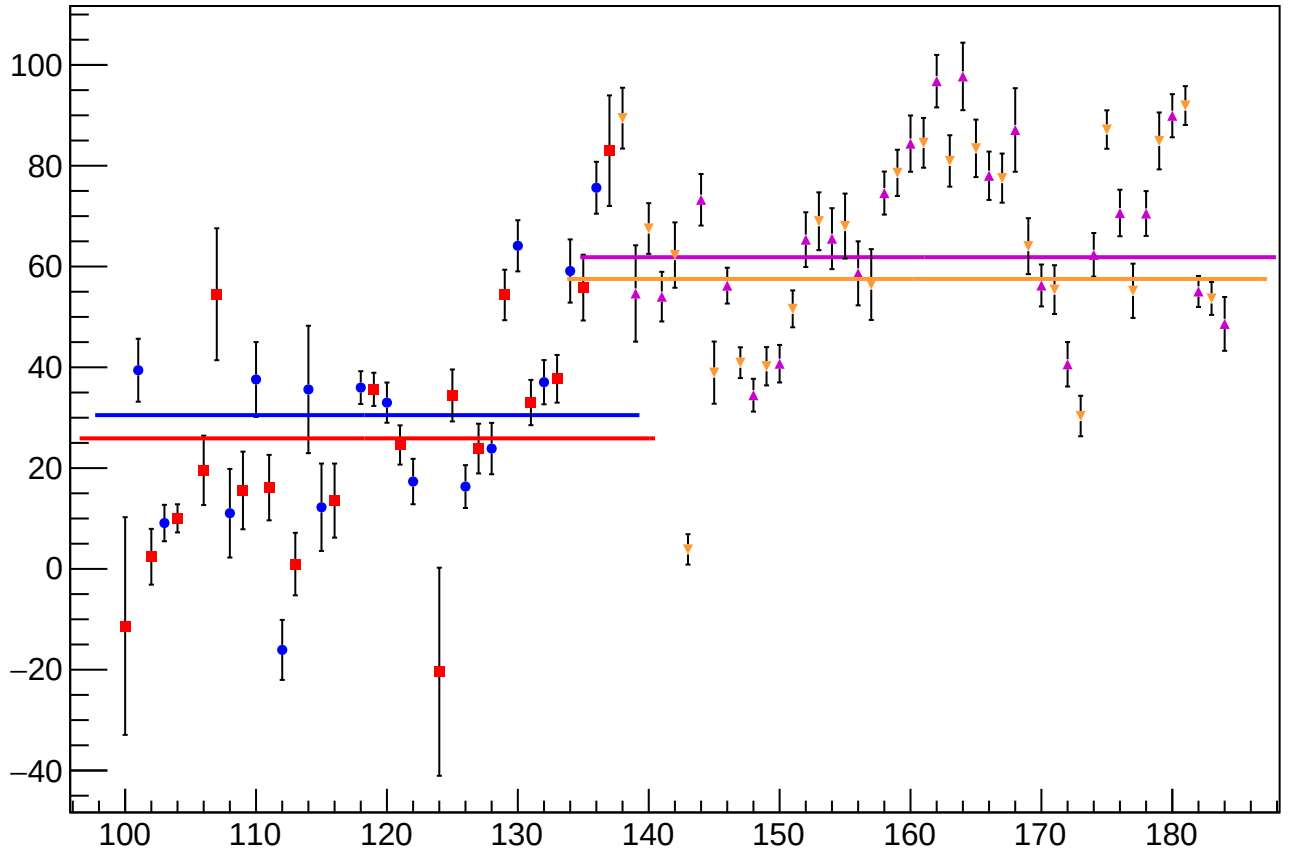
Left: 202.252+/-0.763 χ^2/NDF: 13548.2/46

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 189.033+/-0.791 χ^2/NDF:19054.8/38

Out: 170.693+/-0.766 χ^2/NDF:26312.3/42

All: 179.573+/-0.550 χ^2/NDF: 45644.7/81



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: 61.850+/-0.961 χ^2/NDF:320.7/22

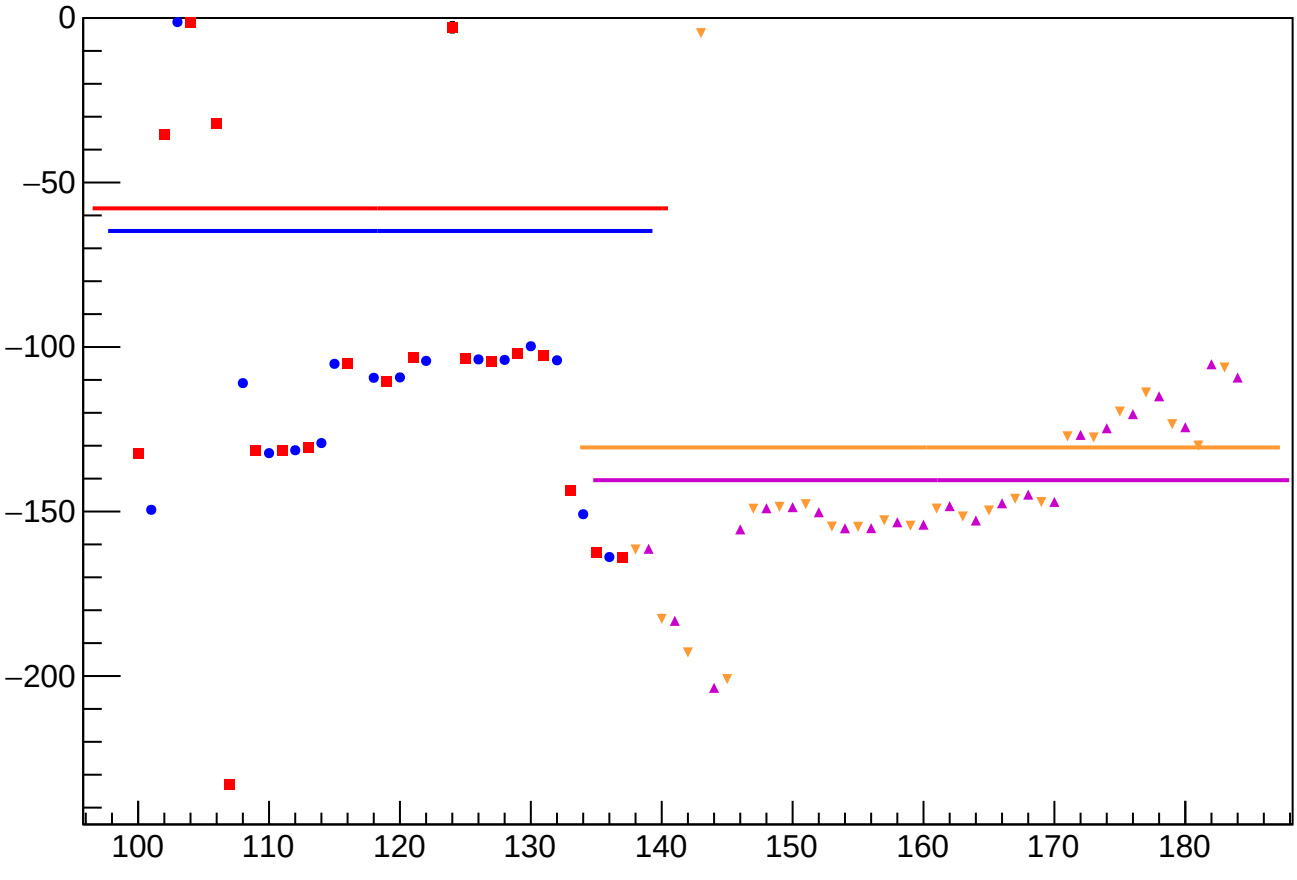
Left: 59.594+/-0.664 χ^2/NDF: 1070.6/46

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 50.254+/-0.763 χ^2/NDF:990.8/38

Out: 46.007+/-0.732 χ^2/NDF:1359.3/42

All: 48.043+/-0.528 χ^2/NDF: 2366.3/81



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: -140.477+/-0.044 χ^2/NDF:254660.0/22

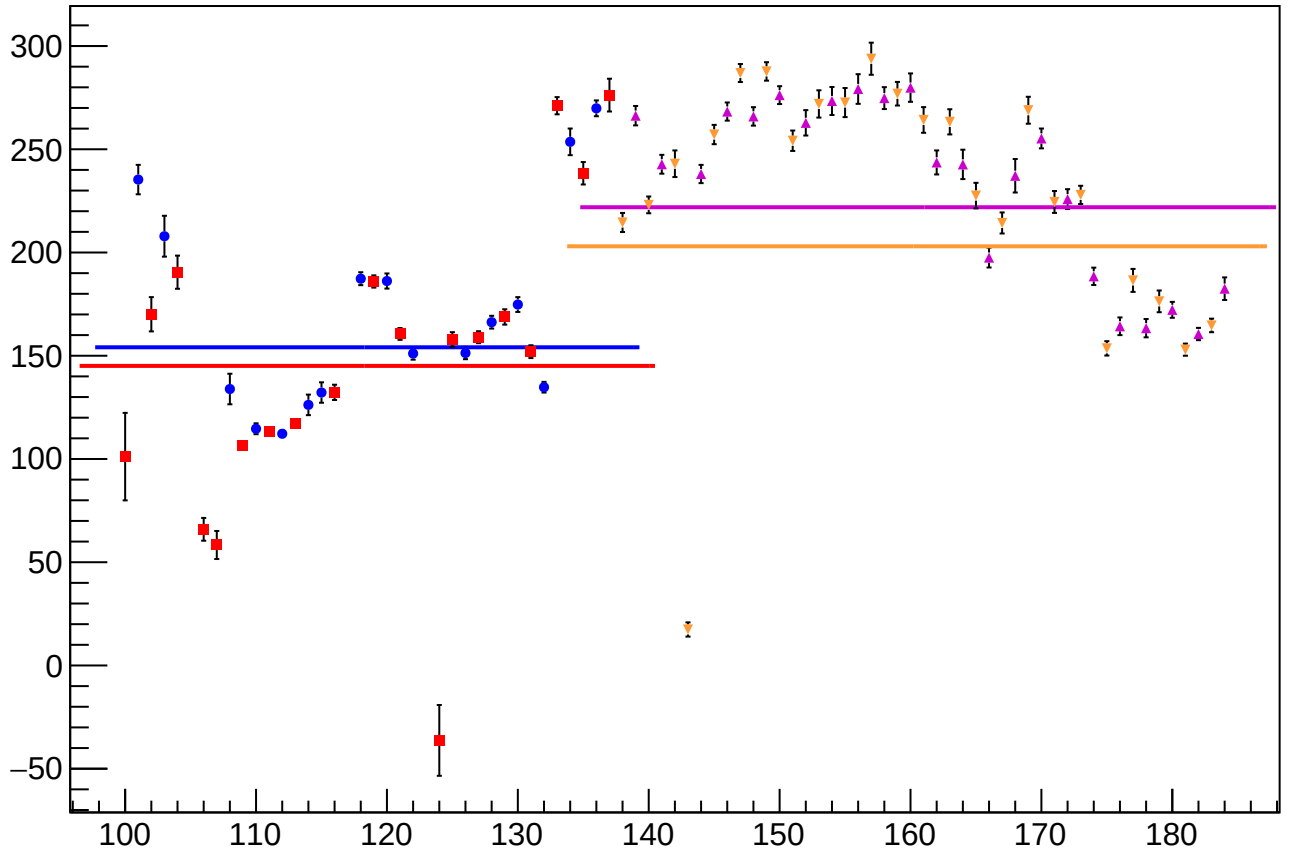
Left: -135.399+/-0.031 χ^2/NDF: 1296767.0/46

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -116.307+/-0.036 χ^2/NDF:2259265.7/38

Out: -107.153+/-0.035 χ^2/NDF:2818869.8/42

All: -111.628+/-0.025 χ^2/NDF: 5111117.0/81



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: 221.923+/-1.003 χ^2/NDF:1986.7/22

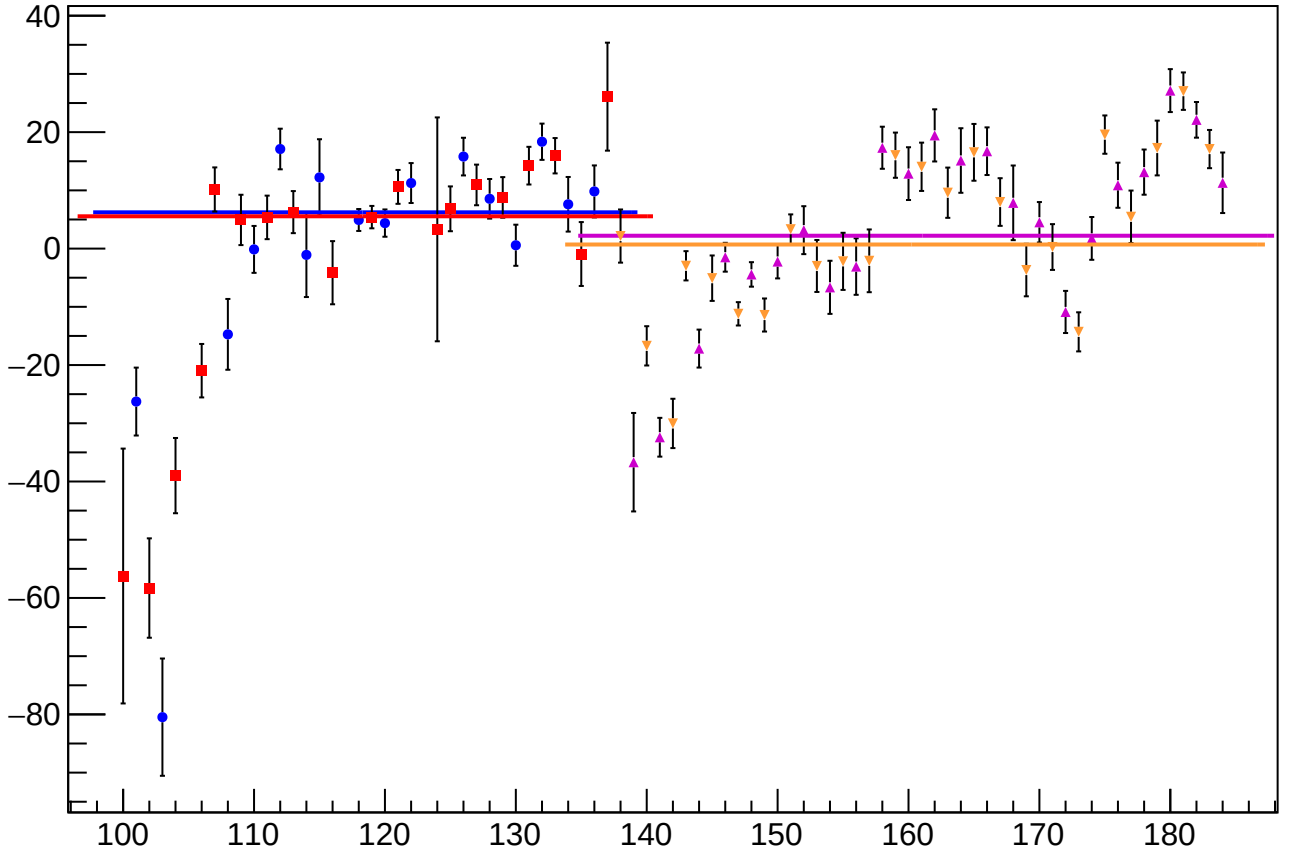
Left: 212.062+/-0.694 χ^2/NDF: 7651.0/46

Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 183.186+/-0.657 χ^2/NDF:6880.0/38

Out: 169.689+/-0.626 χ^2/NDF:10526.0/42

All: 176.119+/-0.453 χ^2/NDF: 17627.1/81



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: 0.702+/-0.720 χ^2/NDF:342.8/23

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

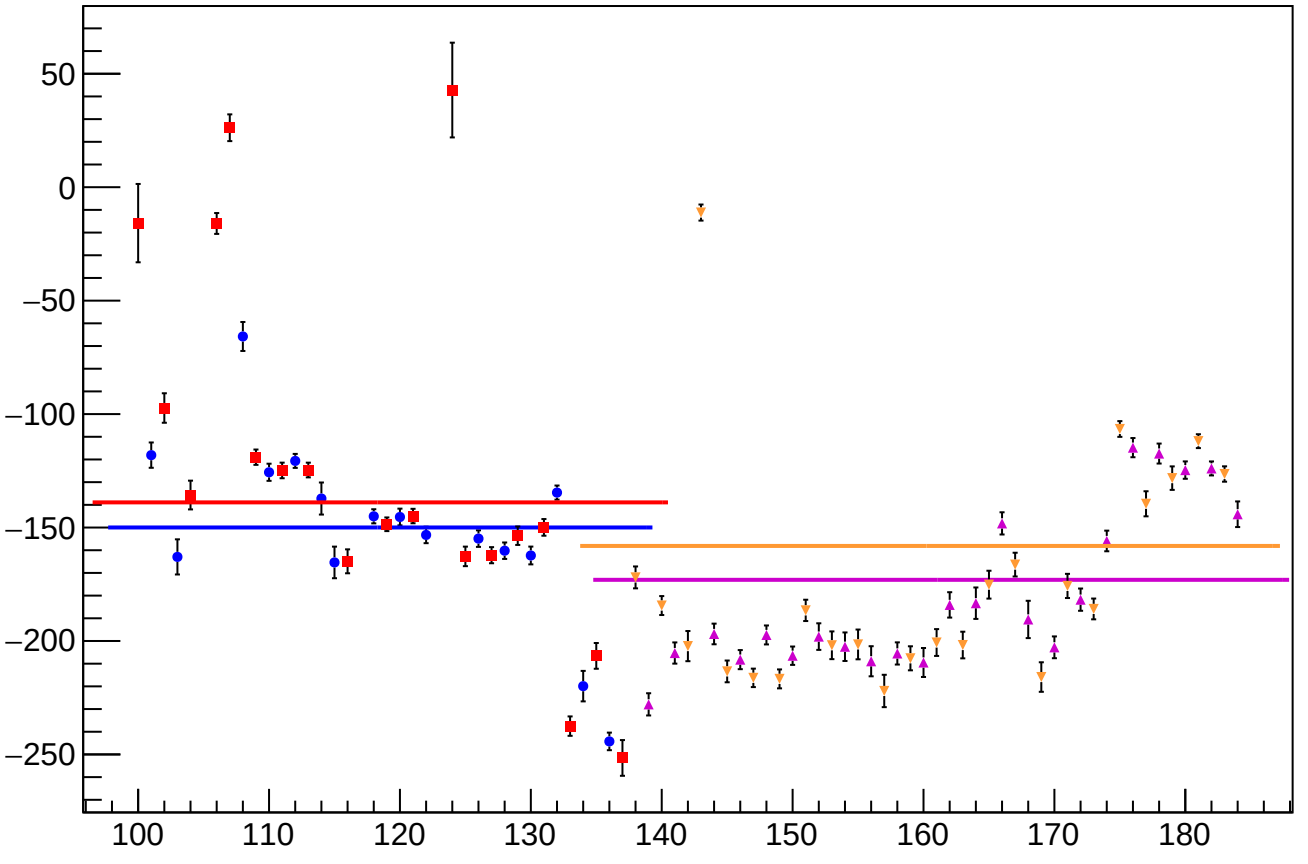
Left: 1.416+/-0.523 χ^2/NDF: 703.0/46

Right: 5.888+/-0.629 χ^2/NDF: 343.5/34

In: 3.905+/-0.578 χ^2/NDF:532.0/38

Out: 2.622+/-0.560 χ^2/NDF:541.9/42

All: 3.243+/-0.402 χ^2/NDF: 1076.4/81



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: -173.043+/-0.996 χ^2/NDF:1399.9/22

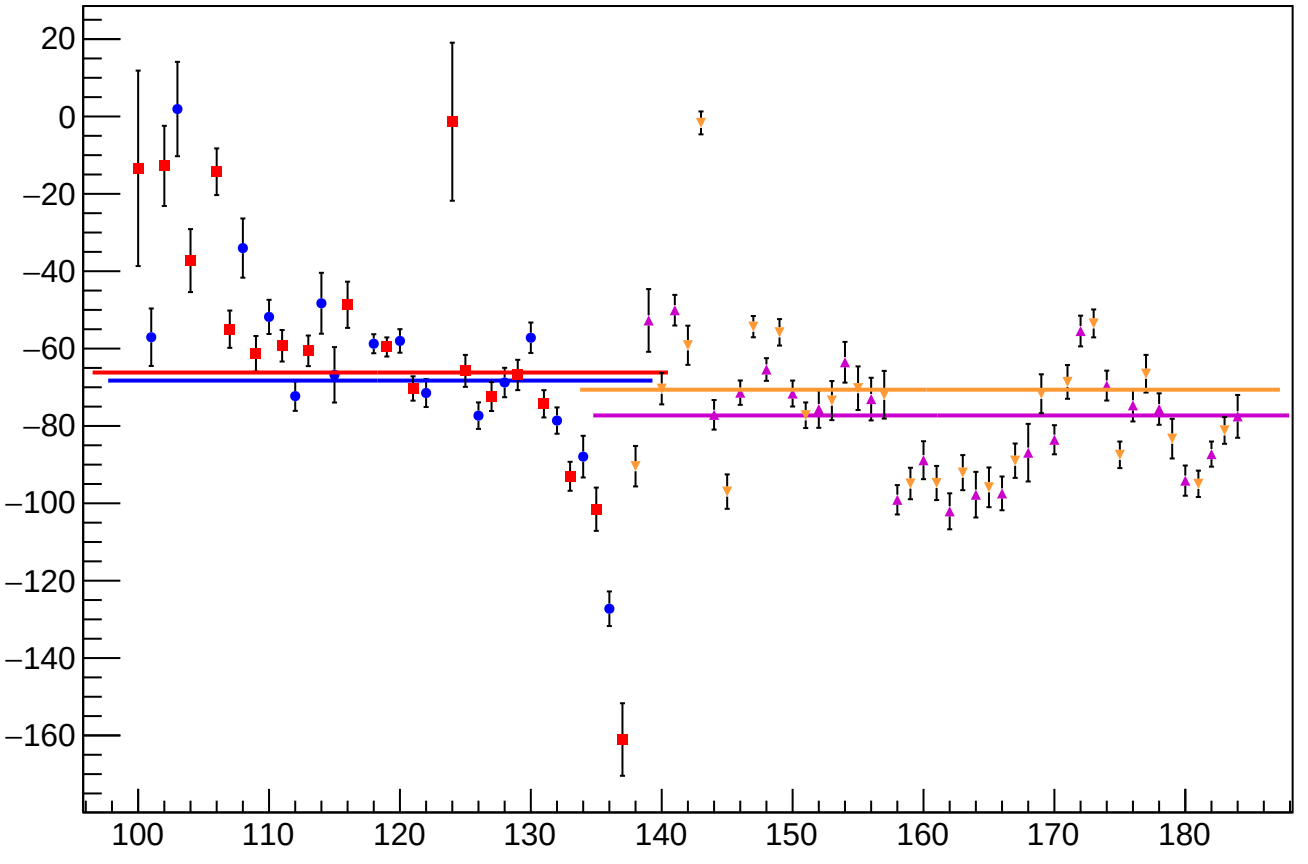
Left: -165.290+/-0.690 χ^2/NDF: 4987.6/46

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -161.850+/-0.714 χ^2/NDF:2760.0/38

Out: -148.858+/-0.690 χ^2/NDF:6415.2/42

All: -155.125+/-0.496 χ^2/NDF: 9346.4/81



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: -77.288+/-0.866 χ^2/NDF:254.3/22

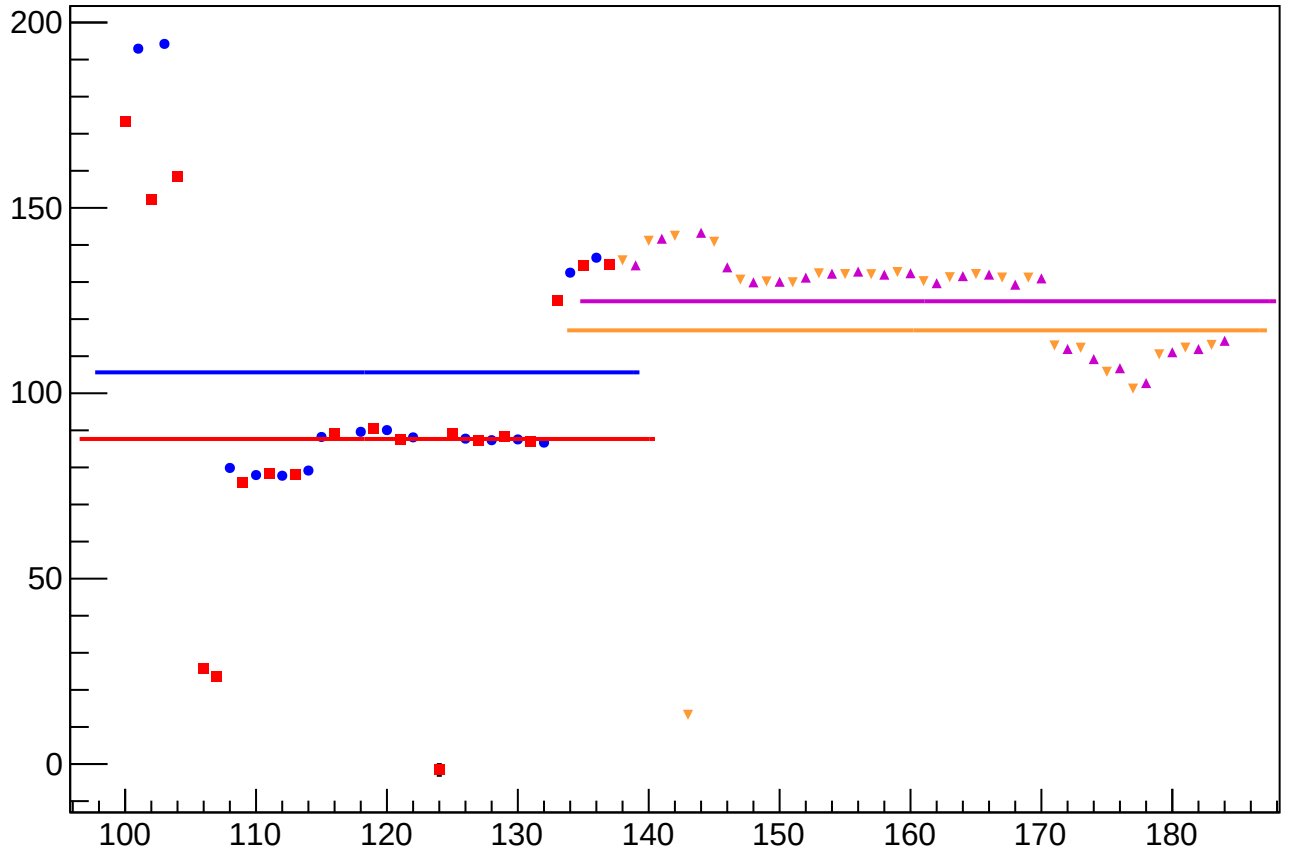
Left: -73.808+/-0.598 χ^2/NDF: 1183.0/46

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -73.569+/-0.664 χ^2/NDF:614.4/38

Out: -68.872+/-0.644 χ^2/NDF:1267.6/42

All: -71.149+/-0.462 χ^2/NDF: 1907.8/81



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: 124.819+/-0.039 χ^2/NDF:88116.2/22

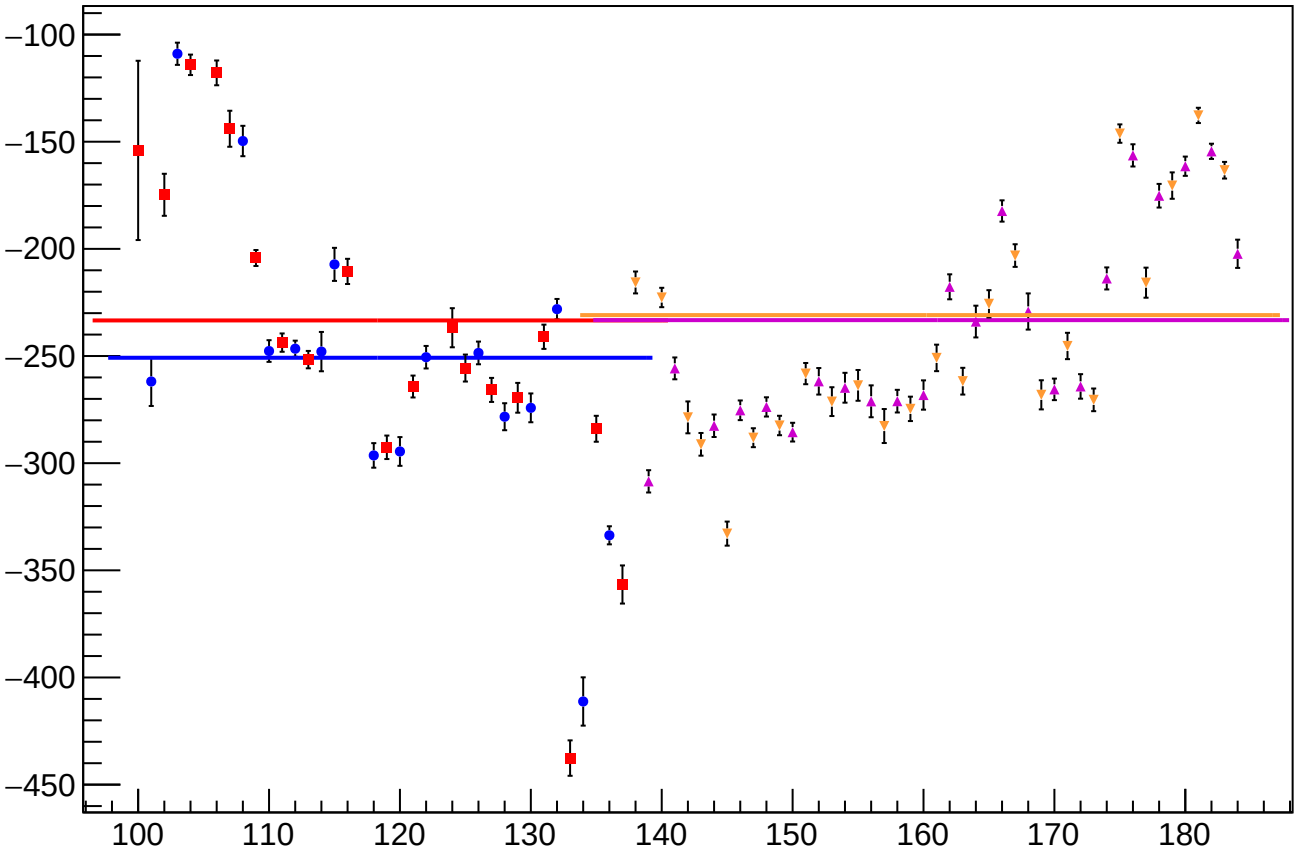
Left: 120.810+/-0.028 χ^2/NDF: 731356.1/46

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 120.300+/-0.034 χ^2/NDF:383770.0/38

Out: 109.461+/-0.033 χ^2/NDF:1145530.6/42

All: 114.693+/-0.024 χ^2/NDF: 1580695.4/81



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: -233.258+/-1.108 χ^2/NDF:2067.0/22

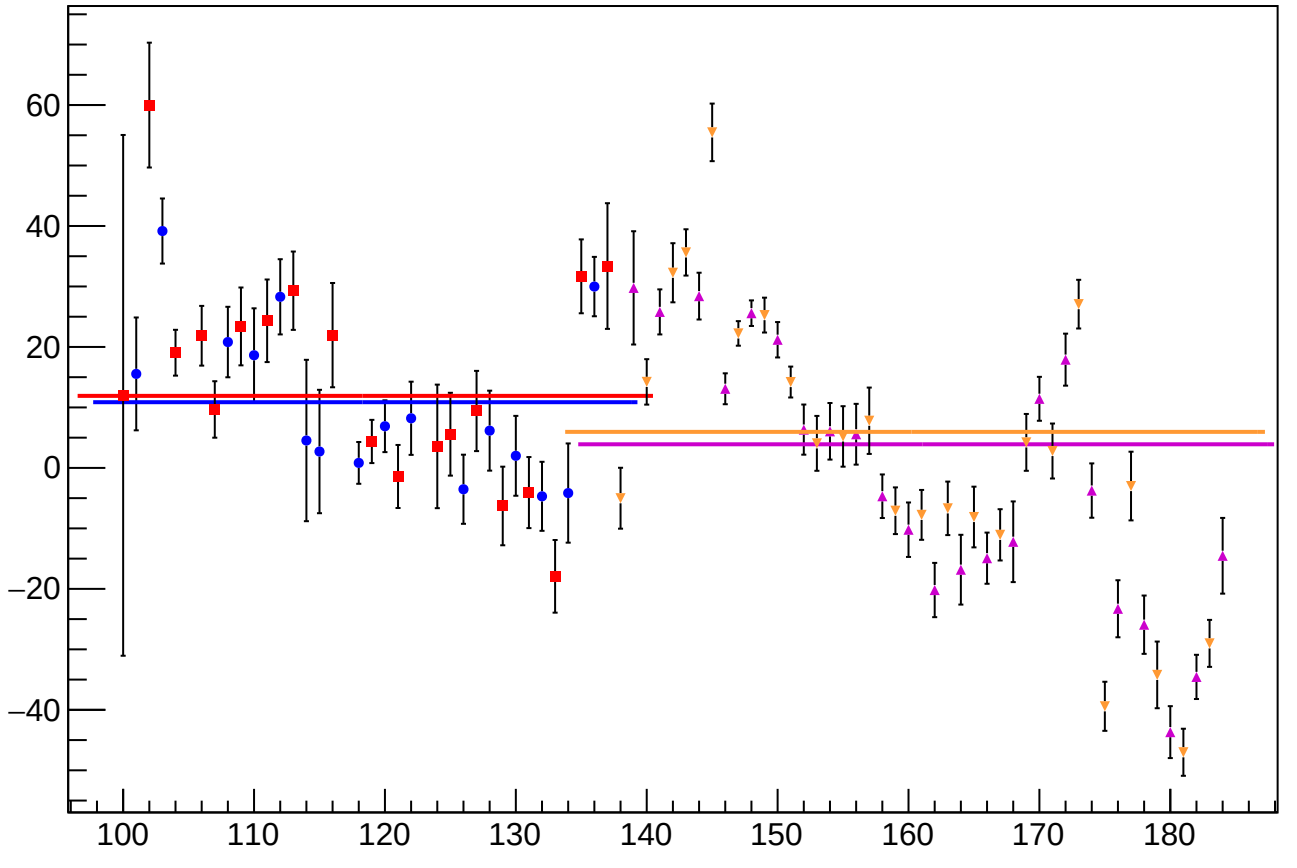
Left: -232.062+/-0.776 χ^2/NDF: 4698.1/46

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -239.793+/-0.878 χ^2/NDF:3896.2/38

Out: -231.902+/-0.843 χ^2/NDF:5009.4/42

All: -235.691+/-0.608 χ^2/NDF: 8947.6/81



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: 3.906+/-0.818 χ^2/NDF:650.3/22

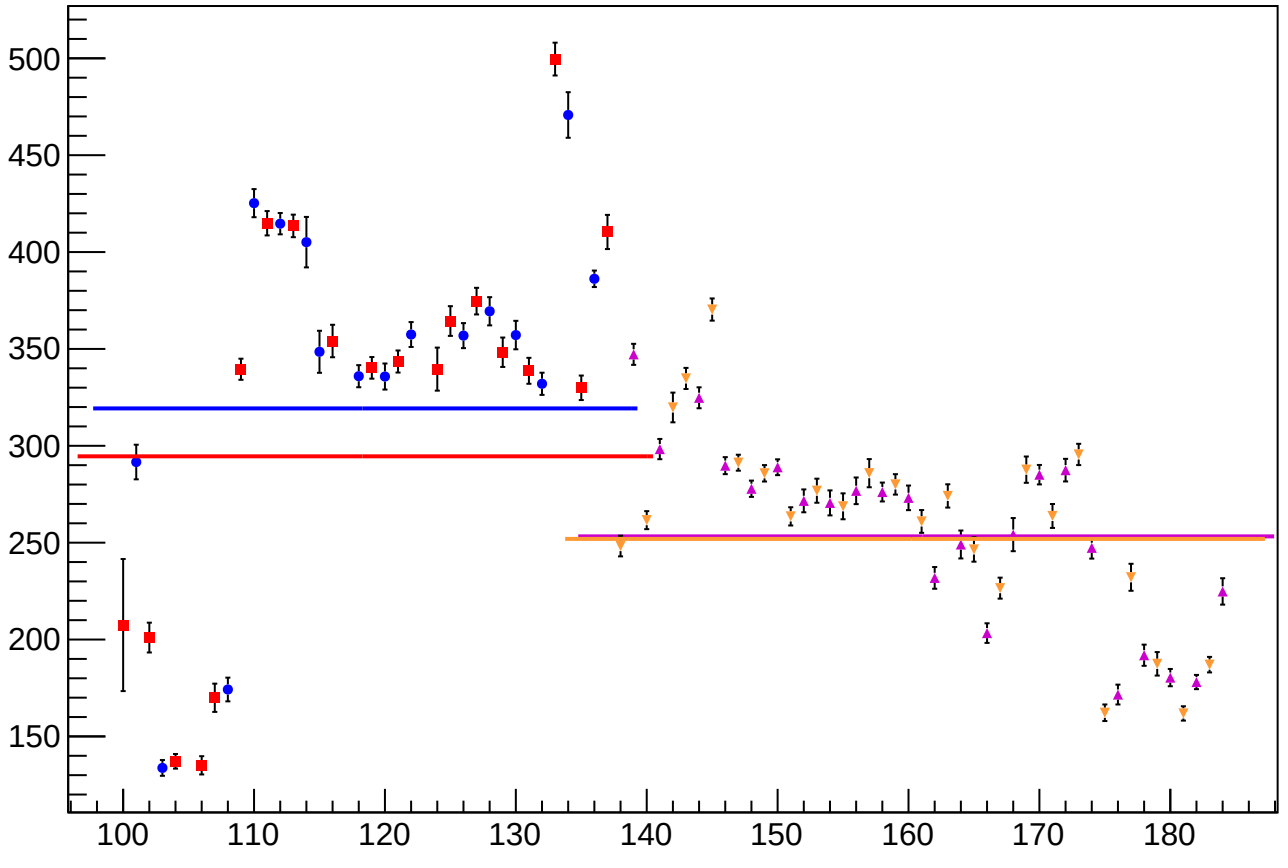
Left: 4.964+/-0.570 χ^2/NDF: 1510.2/46

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 5.551+/-0.715 χ^2/NDF:752.0/38

Out: 7.460+/-0.686 χ^2/NDF:982.8/42

All: 6.544+/-0.495 χ^2/NDF: 1738.5/81



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: 253.248+/-1.093 χ^2/NDF:2059.7/22

Left: 252.586+/-0.768 χ^2/NDF: 4585.7/46

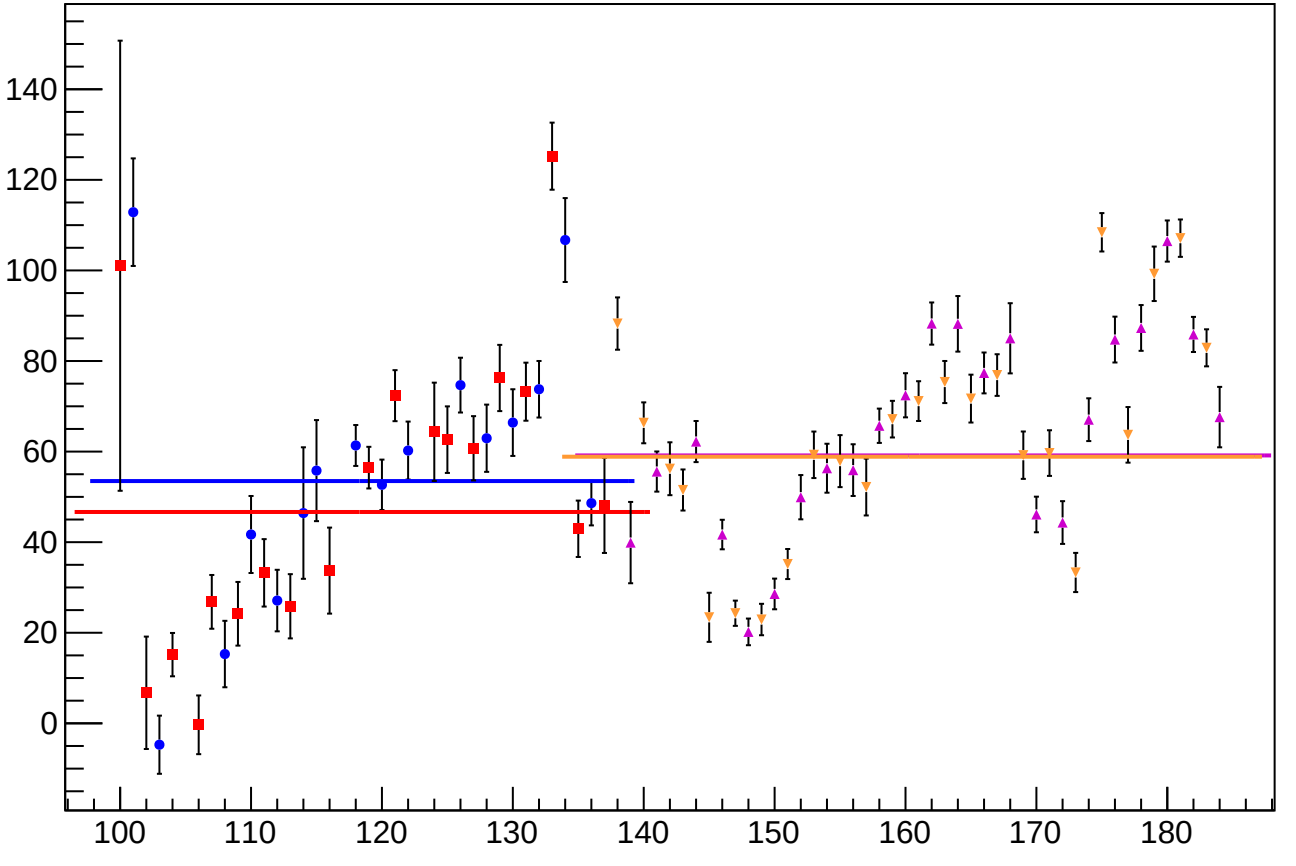
Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 274.524+/-0.900 χ^2/NDF:7028.0/38

Out: 266.702+/-0.872 χ^2/NDF:8569.7/42

All: 270.487+/-0.626 χ^2/NDF: 15636.6/81

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: 59.151+/-0.938 χ^2/NDF:632.4/22

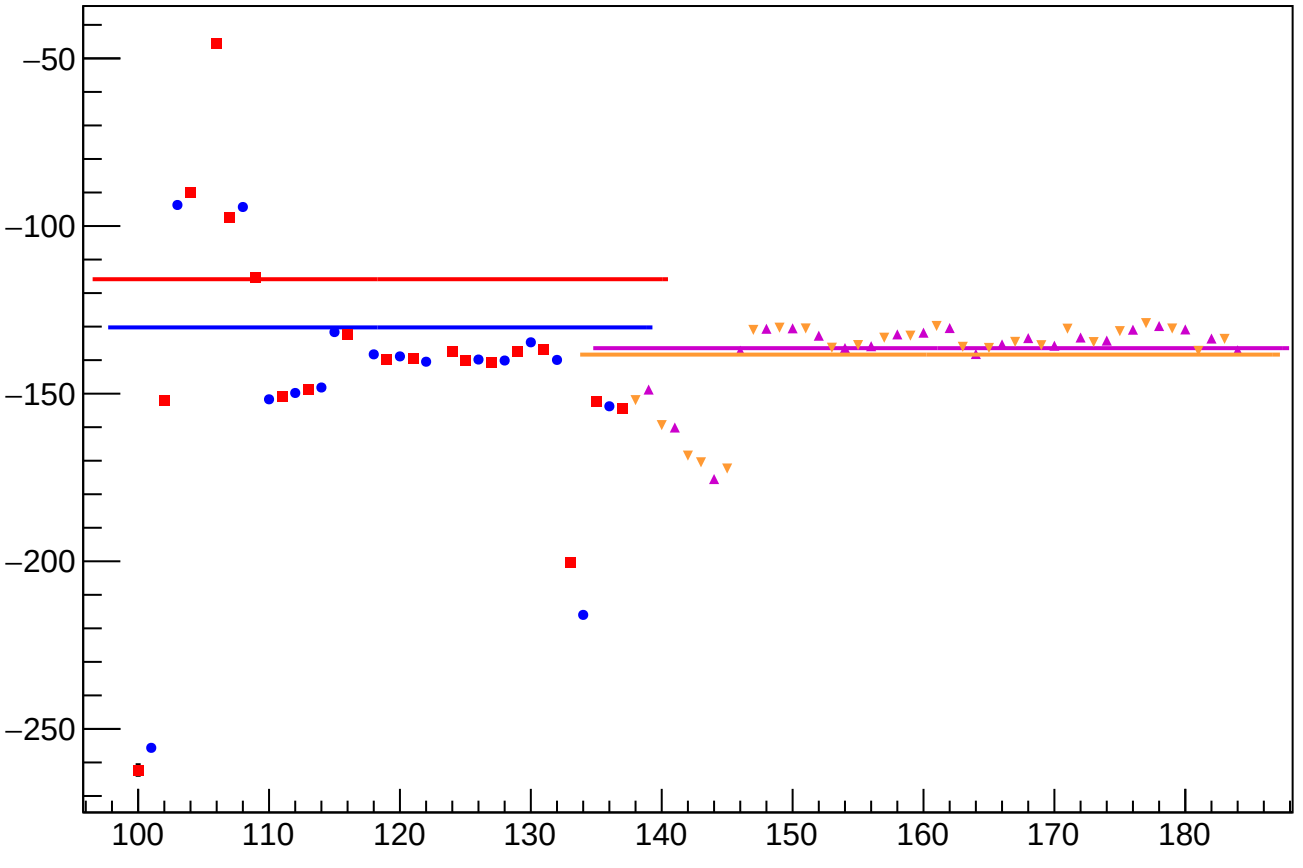
Left: 59.008+/-0.656 χ^2/NDF: 1454.7/46

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 57.829+/-0.821 χ^2/NDF:858.2/38

Out: 55.831+/-0.795 χ^2/NDF:1191.9/42

All: 56.798+/-0.571 χ^2/NDF: 2053.1/81



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -138.349+/-0.043 χ^2/NDF:81339.6/23

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

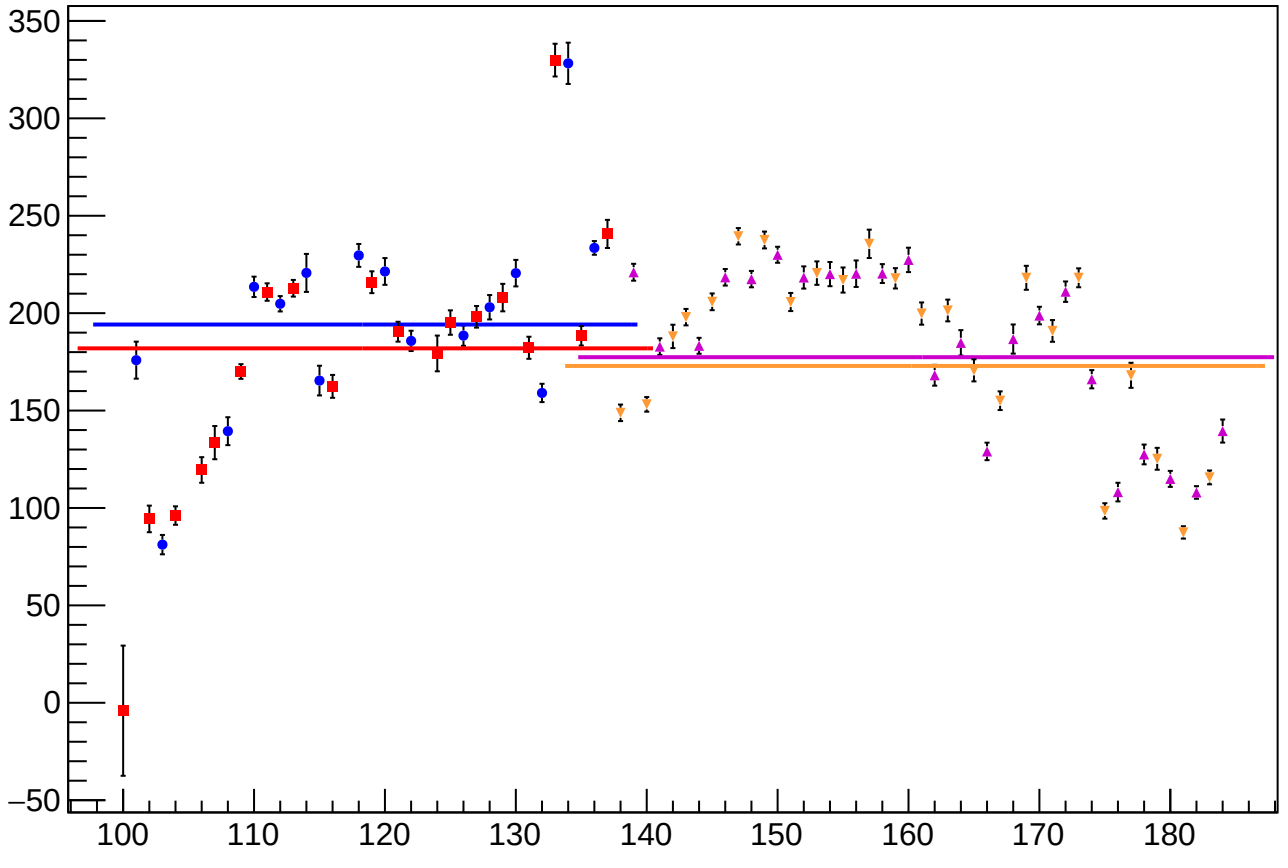
Left: -137.388+/-0.030 χ^2/NDF: 132134.5/46

Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -135.307+/-0.039 χ^2/NDF:227786.3/38

Out: -133.843+/-0.038 χ^2/NDF:342252.7/42

All: -134.567+/-0.027 χ^2/NDF: 570758.4/81



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: 177.403+/-0.996 χ^2/NDF:1963.0/22

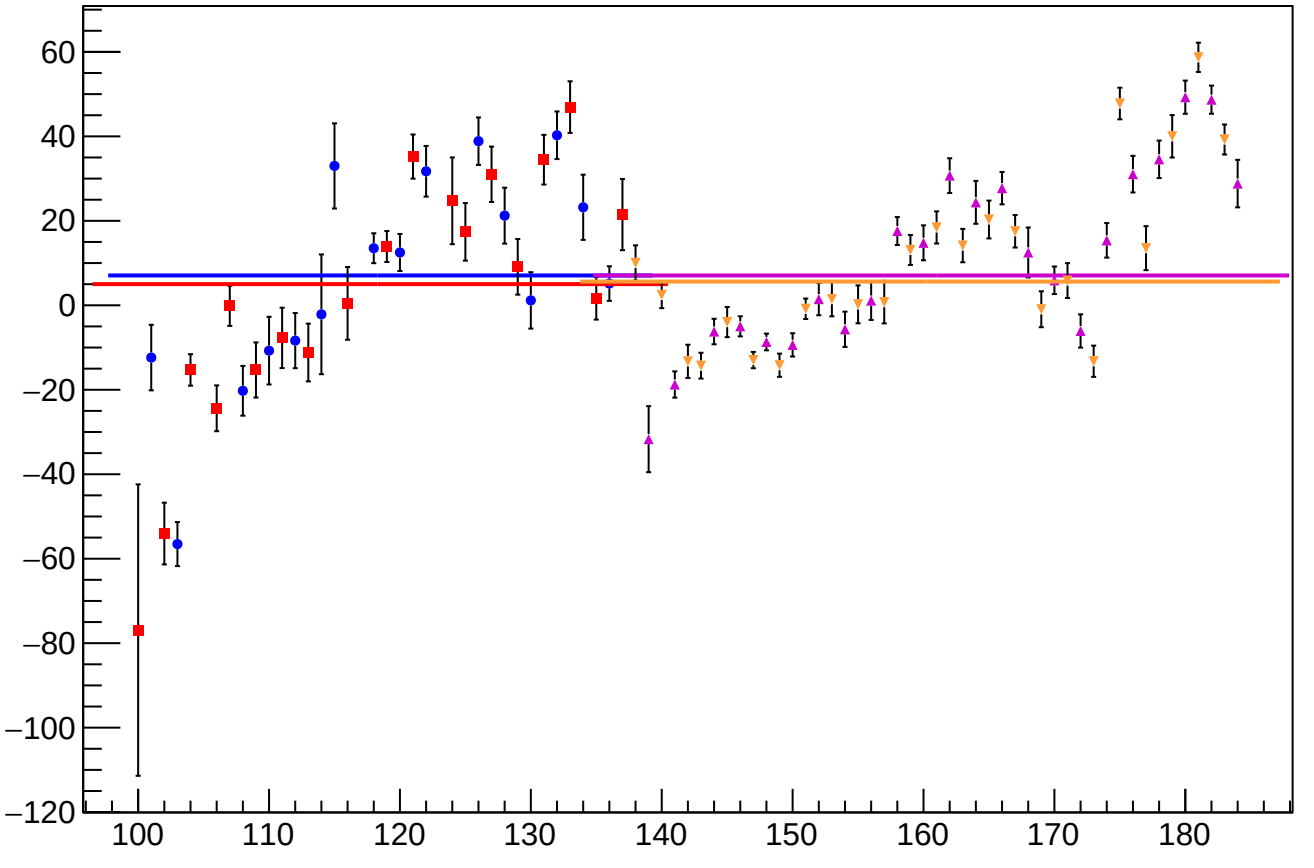
Left: 175.098+/-0.695 χ^2/NDF: 4536.6/46

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 182.997+/-0.813 χ^2/NDF:3092.8/38

Out: 176.066+/-0.782 χ^2/NDF:3798.2/42

All: 179.397+/-0.563 χ^2/NDF: 6928.8/81



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: 7.061+/-0.741 χ^2/NDF:709.7/22

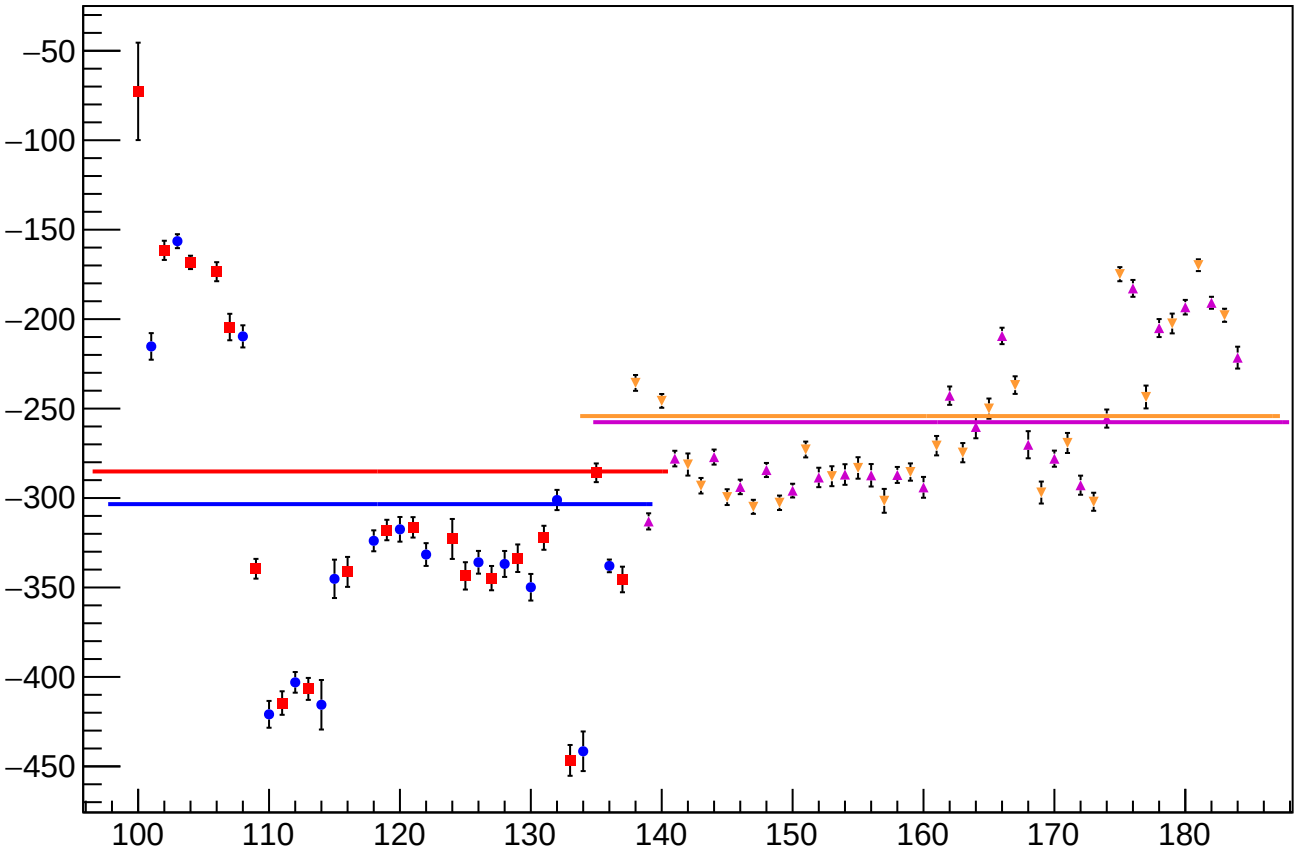
Left: 6.311+/-0.514 χ^2/NDF: 1510.6/46

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 7.062+/-0.659 χ^2/NDF:1002.2/38

Out: 5.484+/-0.632 χ^2/NDF:1087.7/42

All: 6.239+/-0.456 χ^2/NDF: 2092.9/81



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: -257.600+/-0.985 χ^2/NDF:1808.1/22

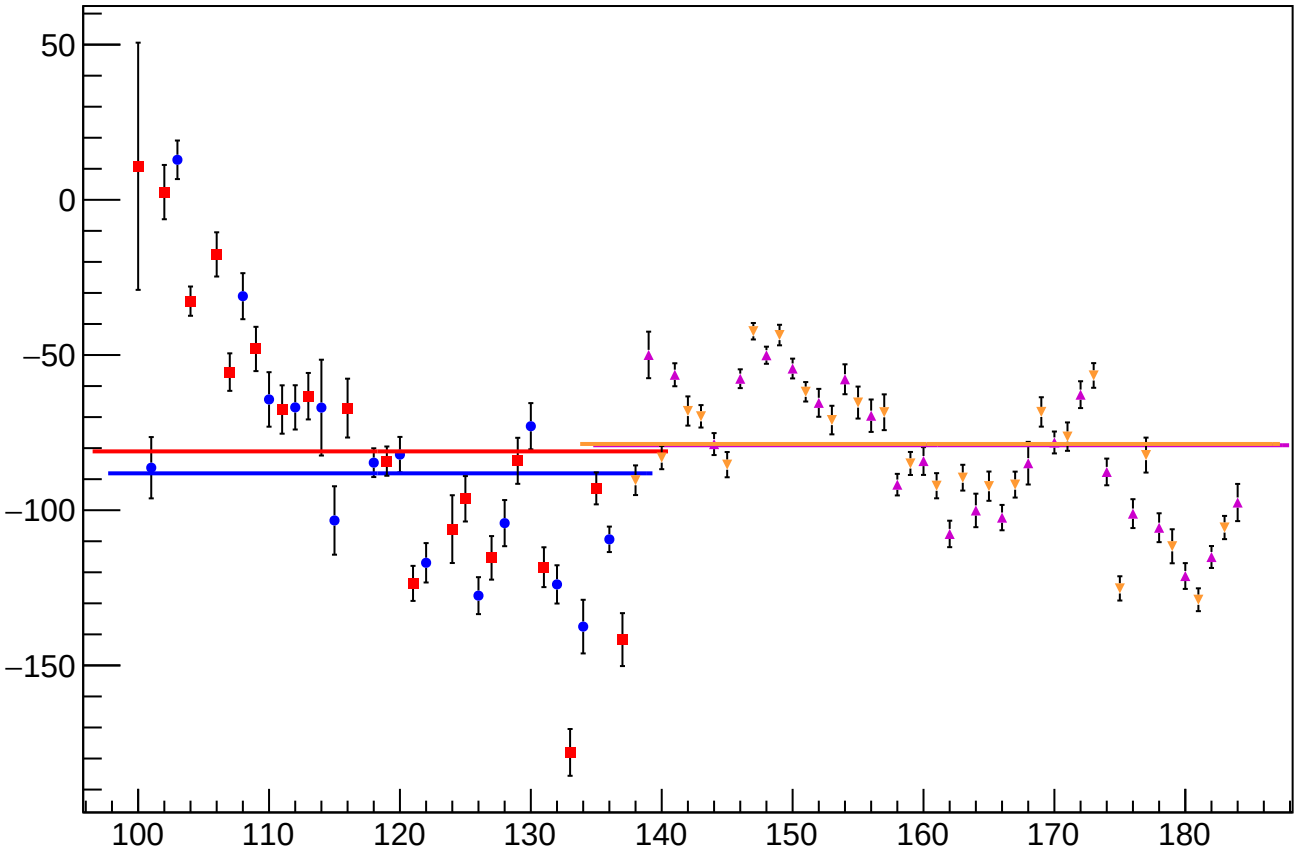
Left: -255.855+/-0.689 χ^2/NDF: 4090.4/46

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -271.020+/-0.828 χ^2/NDF:5227.4/38

Out: -263.654+/-0.802 χ^2/NDF:6347.0/42

All: -267.220+/-0.576 χ^2/NDF: 11615.2/81



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: -79.066+/-0.849 χ^2/NDF:702.6/22

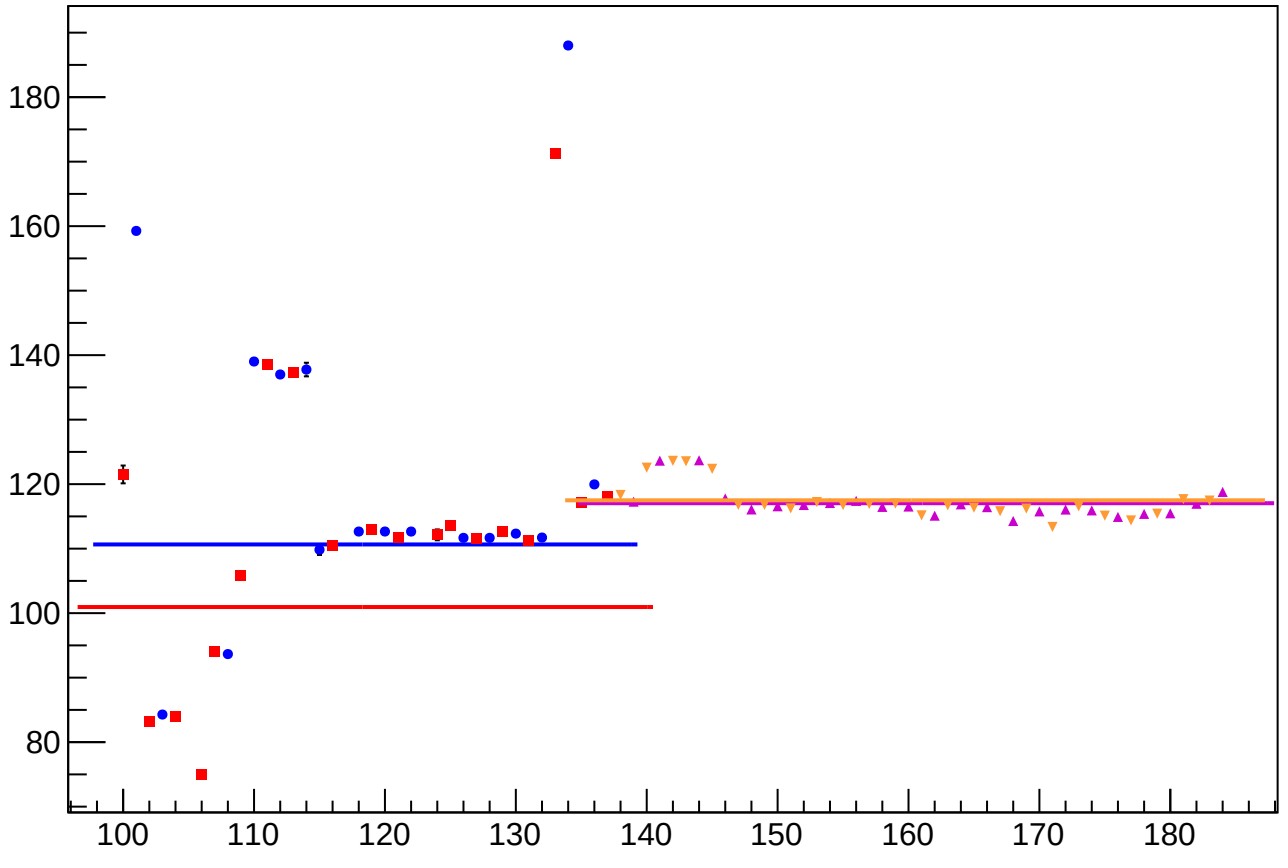
Left: -78.855+/-0.591 χ^2/NDF: 1556.1/46

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -80.952+/-0.755 χ^2/NDF:1238.3/38

Out: -79.173+/-0.730 χ^2/NDF:1532.7/42

All: -80.032+/-0.525 χ^2/NDF: 2773.9/81



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: 117.046+/-0.039 χ^2/NDF:3343.0/22

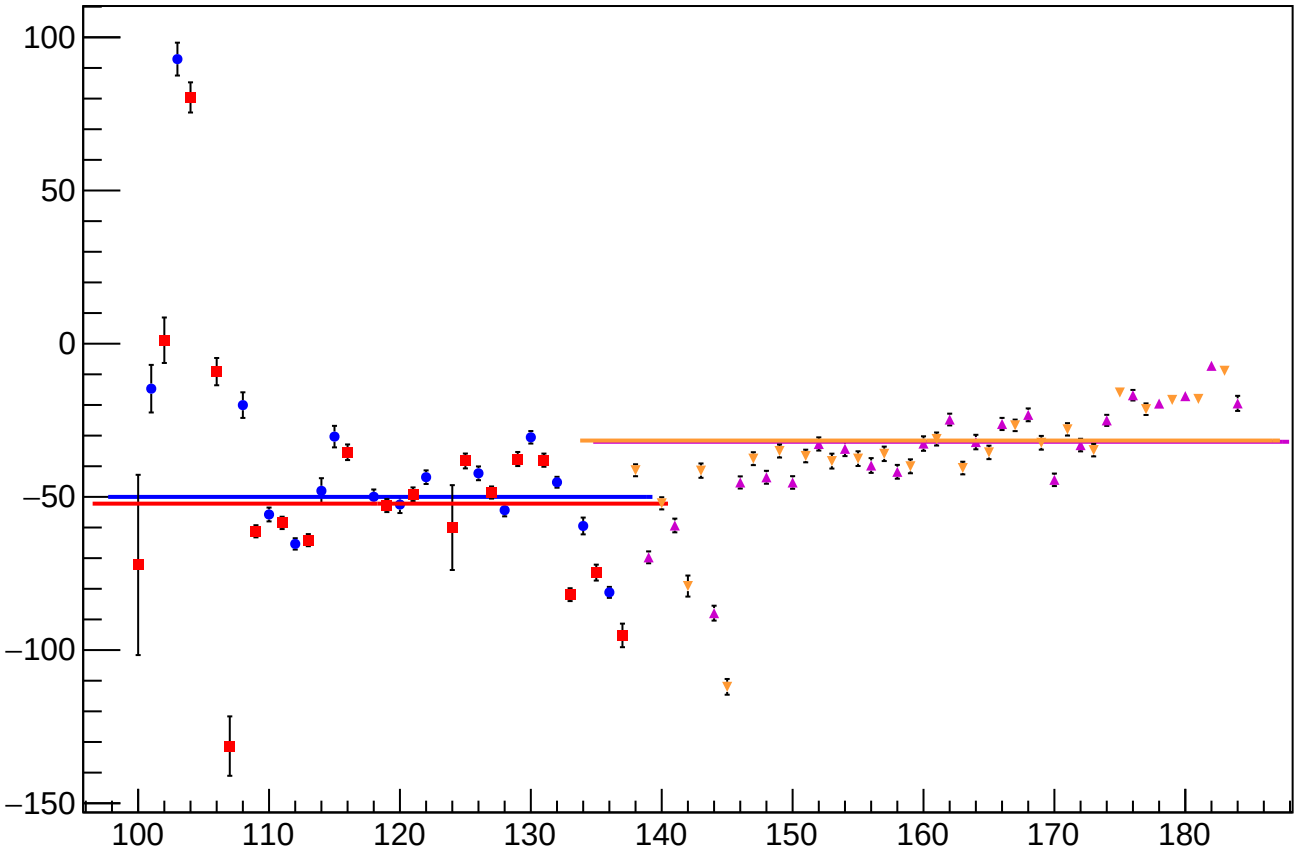
Left: 117.271+/-0.027 χ^2/NDF: 8139.7/46

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.970+/-0.035 χ^2/NDF:91483.1/38

Out: 114.460+/-0.035 χ^2/NDF:100826.3/42

All: 115.203+/-0.025 χ^2/NDF: 193242.3/81



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: -32.015+/-0.409 χ^2/NDF:1913.4/22

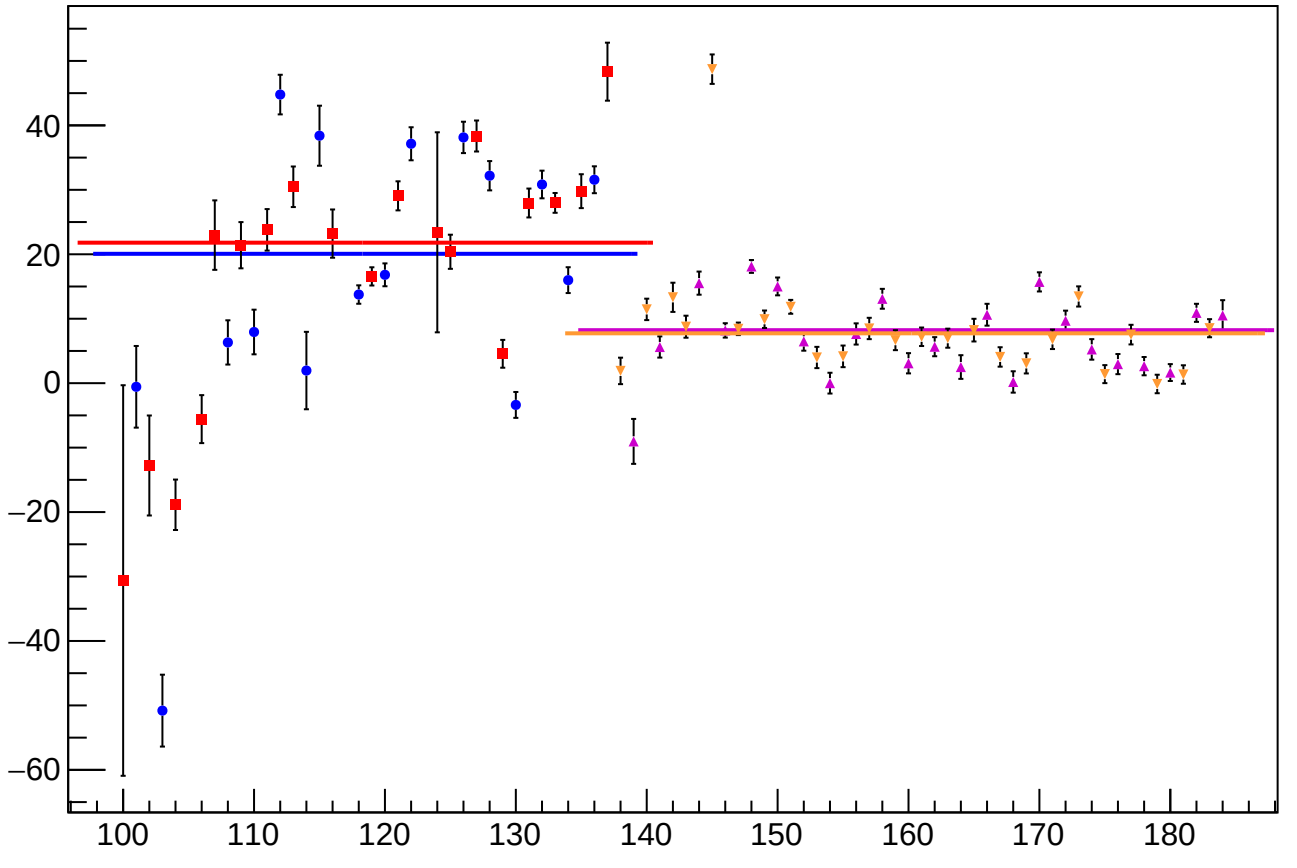
Left: -31.810+/-0.287 χ^2/NDF: 3896.3/46

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -37.598+/-0.340 χ^2/NDF:3840.9/38

Out: -37.924+/-0.335 χ^2/NDF:4356.4/42

All: -37.763+/-0.239 χ^2/NDF: 8197.8/81



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: 8.223+/-0.316 χ^2/NDF:338.8/22

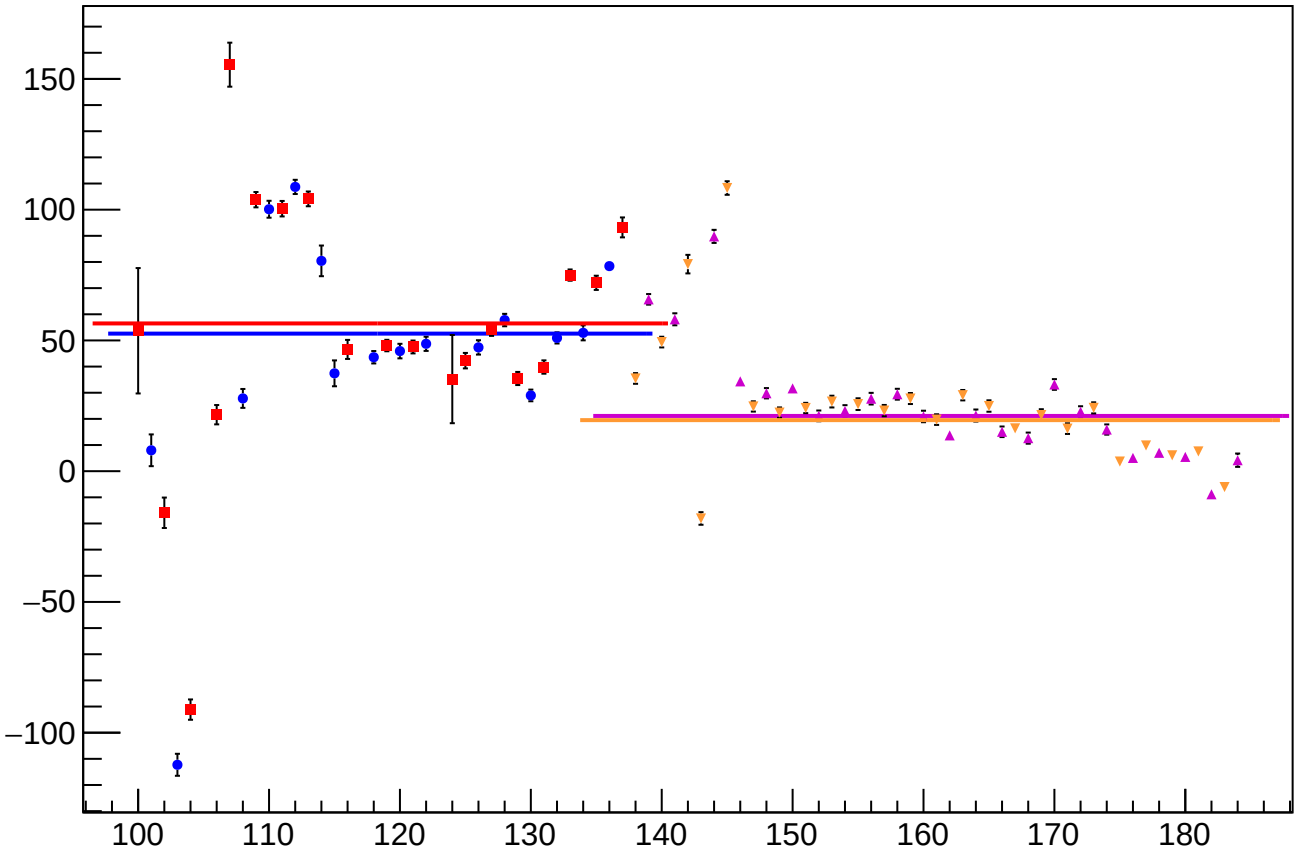
Left: 7.972+/-0.220 χ^2/NDF: 809.0/46

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 10.711+/-0.280 χ^2/NDF:1271.2/38

Out: 10.474+/-0.274 χ^2/NDF:1277.0/42

All: 10.590+/-0.196 χ^2/NDF: 2548.6/81



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: 21.124+/-0.405 χ^2/NDF:2504.8/22

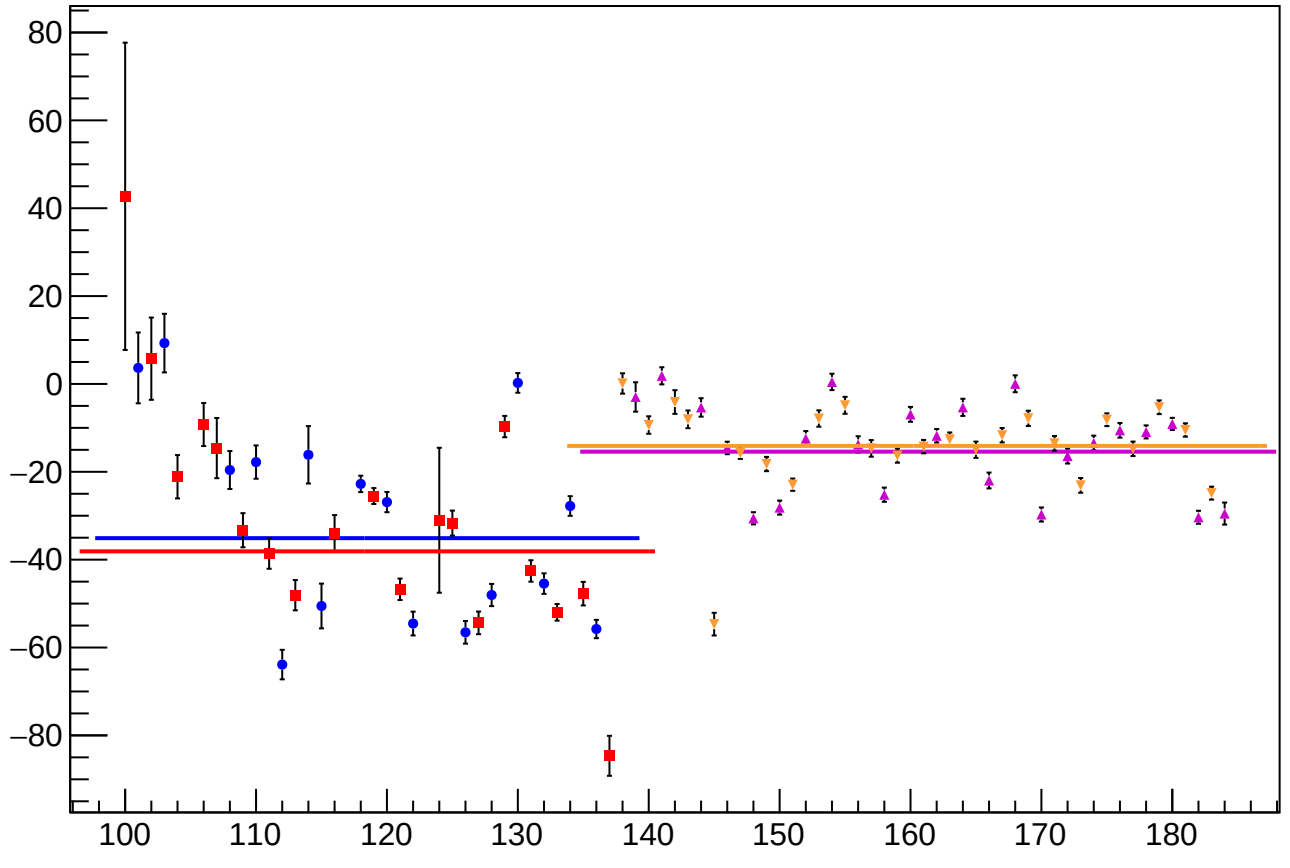
Left: 20.310+/-0.284 χ^2/NDF: 5181.2/46

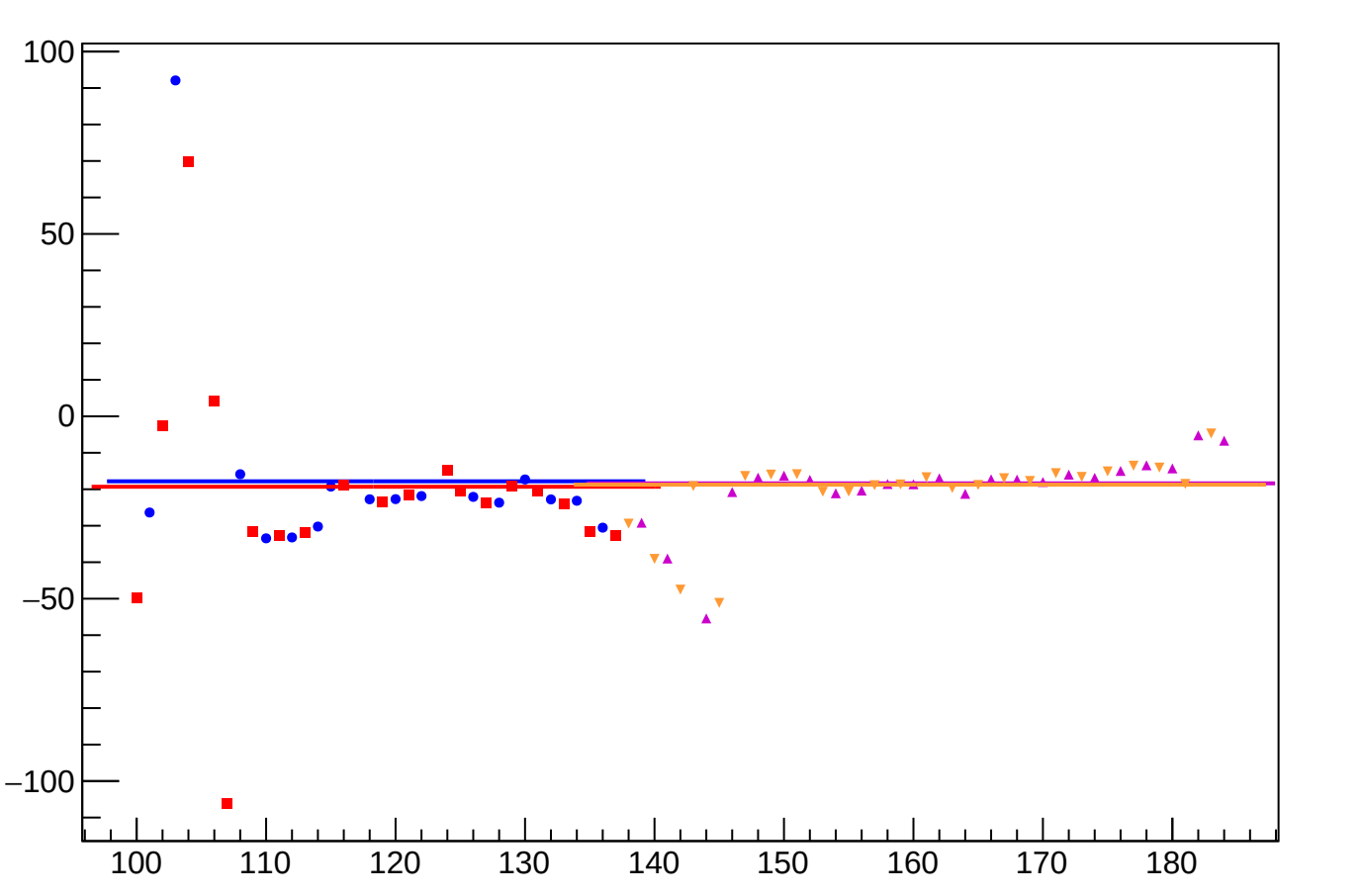
Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

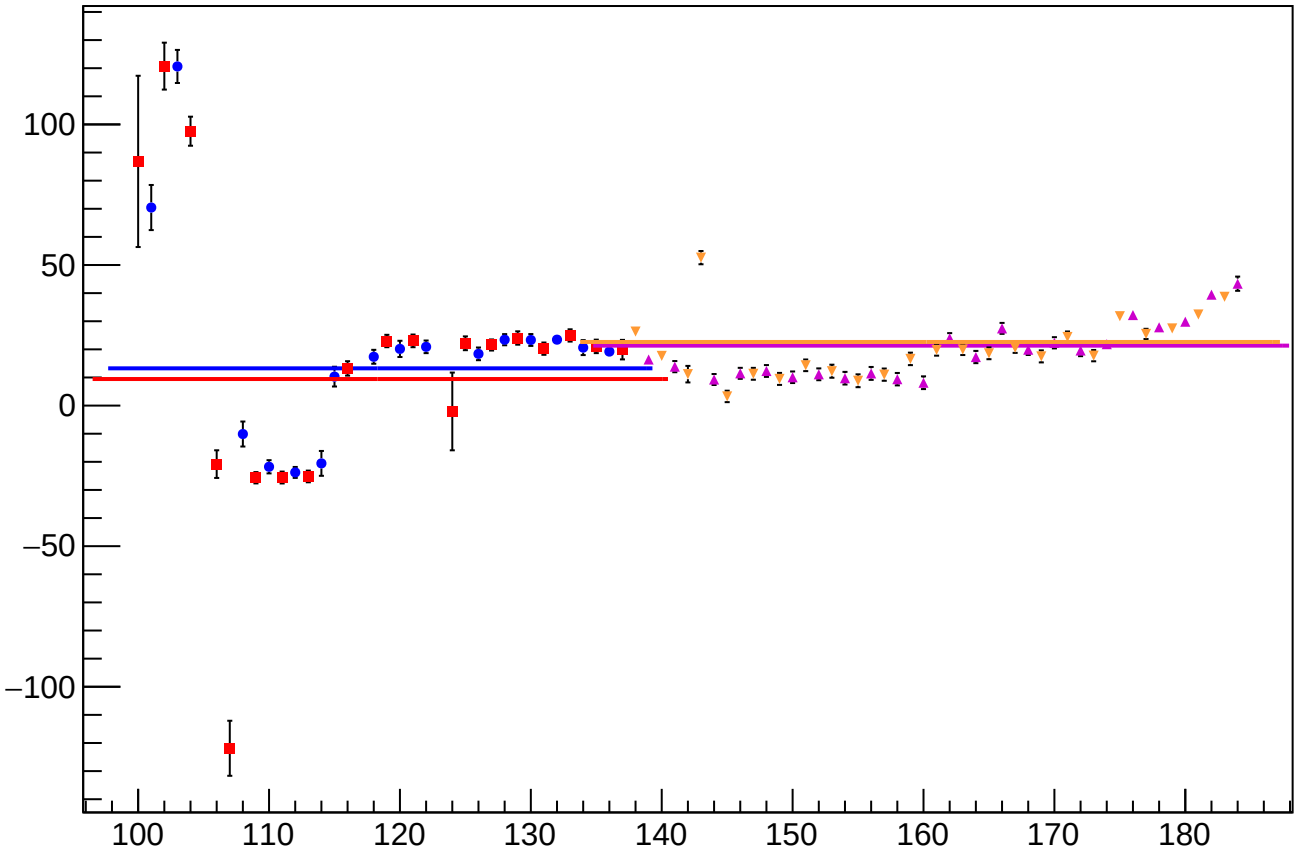
In: 29.074+/-0.350 χ^2/NDF:6691.8/38

Out: 28.468+/-0.347 χ^2/NDF:7716.9/42

All: 28.769+/-0.246 χ^2/NDF: 14410.2/81


reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
Right In: -35.104+/-0.700 χ²/NDF: 773.2/15
Left Out: -14.100+/-0.346 χ²/NDF:549.0/23
Right Out: -38.109+/-0.714 χ²/NDF: 514.6/18
Left In: -15.417+/-0.355 χ²/NDF:798.7/22
Left: -14.742+/-0.248 χ²/NDF: 1354.8/46
Right: -36.577+/-0.500 χ²/NDF: 1296.8/34
In: -19.449+/-0.317 χ²/NDF:2200.7/38
Out: -18.678+/-0.312 χ²/NDF:1979.1/42
All: -19.057+/-0.222 χ²/NDF: 4182.8/81


reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: -17.817+/-0.043 χ²/NDF: 426105.1/15
Left Out: -18.739+/-0.016 χ²/NDF:277804.1/23
Right Out: -19.311+/-0.046 χ²/NDF: 344626.7/18
Left In: -18.378+/-0.016 χ²/NDF:250040.9/22
Left: -18.560+/-0.011 χ²/NDF: 528110.1/46
Right: -18.516+/-0.032 χ²/NDF: 771290.6/34
In: -18.312+/-0.015 χ²/NDF:676294.7/38
Out: -18.798+/-0.015 χ²/NDF:622568.7/42
All: -18.555+/-0.010 χ²/NDF: 1299402.4/81



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: 21.325+/-0.393 χ^2/NDF:629.9/22

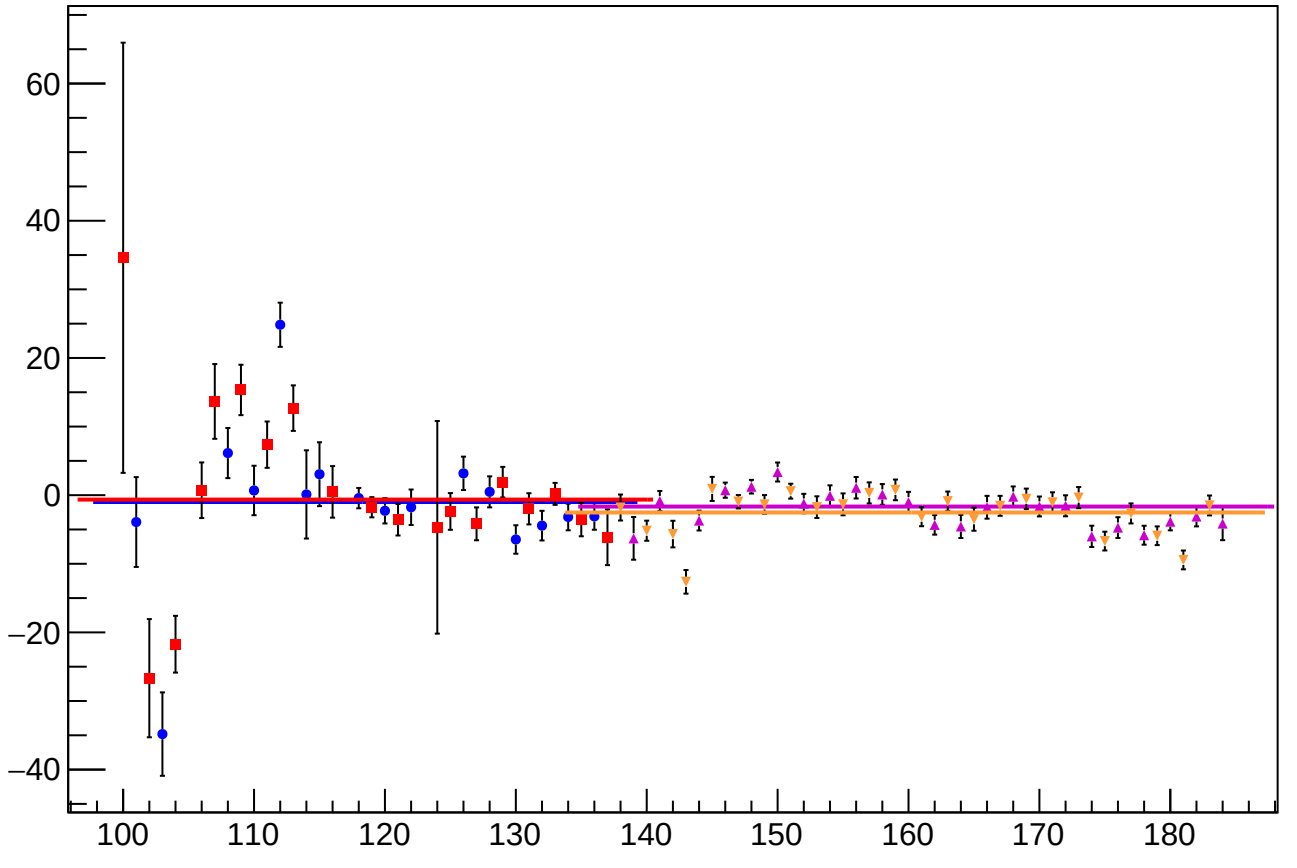
Left: 21.989+/-0.275 χ^2/NDF: 1349.3/46

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 18.983+/-0.331 χ^2/NDF:1934.9/38

Out: 18.914+/-0.327 χ^2/NDF:2880.1/42

All: 18.948+/-0.232 χ^2/NDF: 4815.0/81



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: -1.659+/-0.304 χ^2/NDF:70.2/22

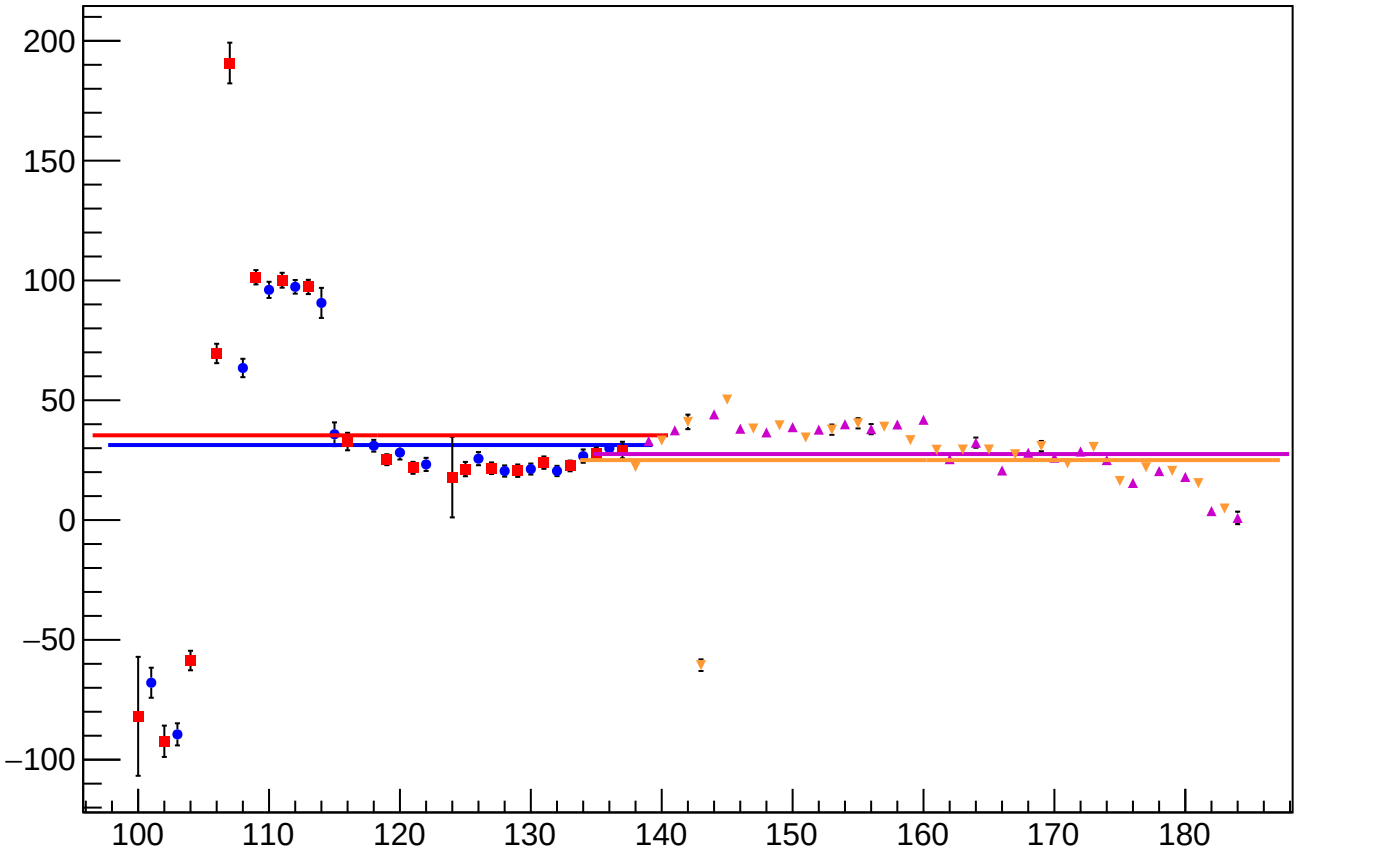
Left: -2.105+/-0.212 χ^2/NDF: 187.9/46

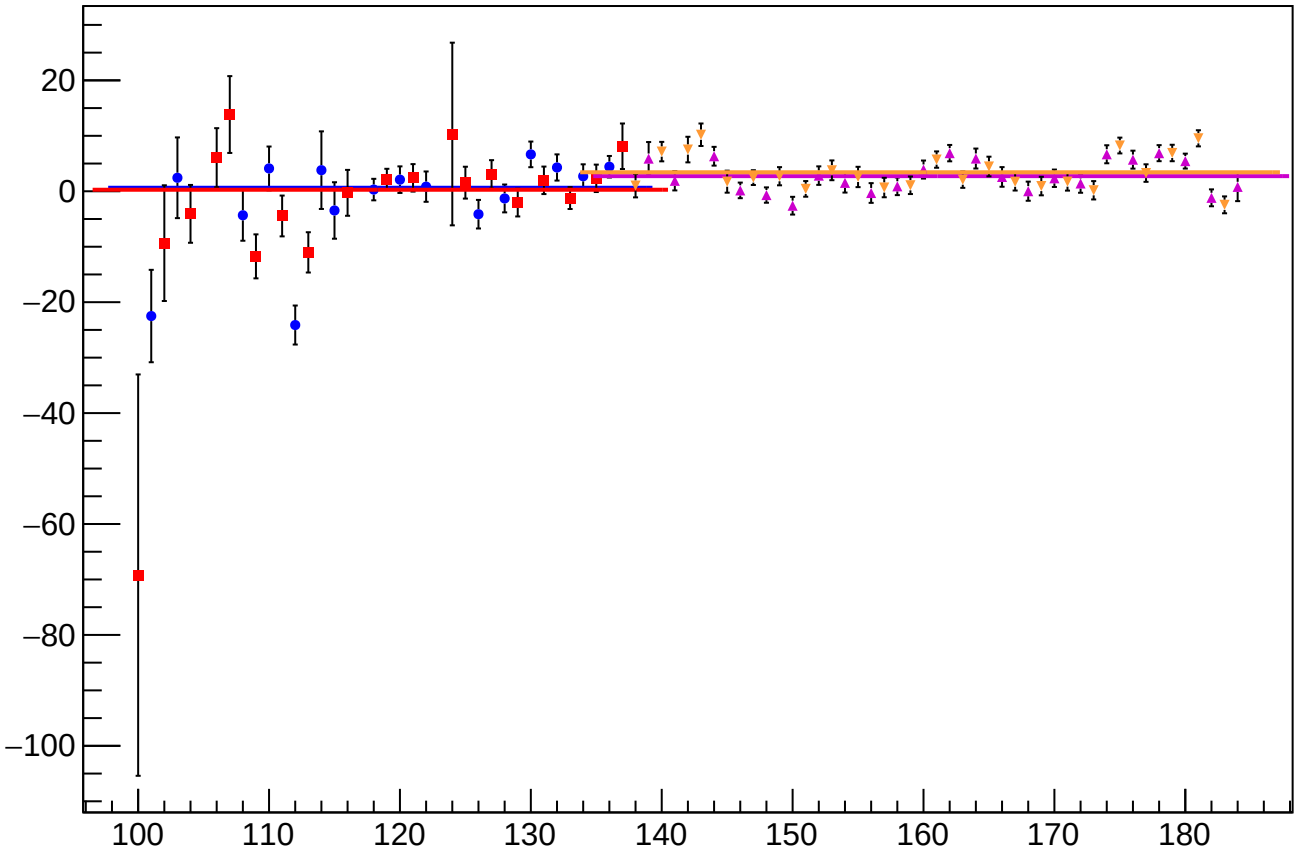
Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -1.530+/-0.273 χ^2/NDF:187.5/38

Out: -2.191+/-0.267 χ^2/NDF:215.0/42

All: -1.867+/-0.191 χ^2/NDF: 405.5/81


reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: 31.310+/-0.700 χ²/NDF: 2085.9/15
Left Out: 25.019+/-0.382 χ²/NDF:2033.6/23
Right Out: 35.366+/-0.717 χ²/NDF: 2897.7/18
Left In: 27.551+/-0.389 χ²/NDF:881.9/22
Left: 26.263+/-0.273 χ²/NDF: 2937.0/46
Right: 33.289+/-0.501 χ²/NDF: 4999.9/34
In: 28.437+/-0.340 χ²/NDF:2989.8/38
Out: 27.308+/-0.337 χ²/NDF:5093.4/42
All: 27.868+/-0.239 χ²/NDF: 8088.7/81



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: 2.730+/-0.342 χ^2/NDF:74.5/22

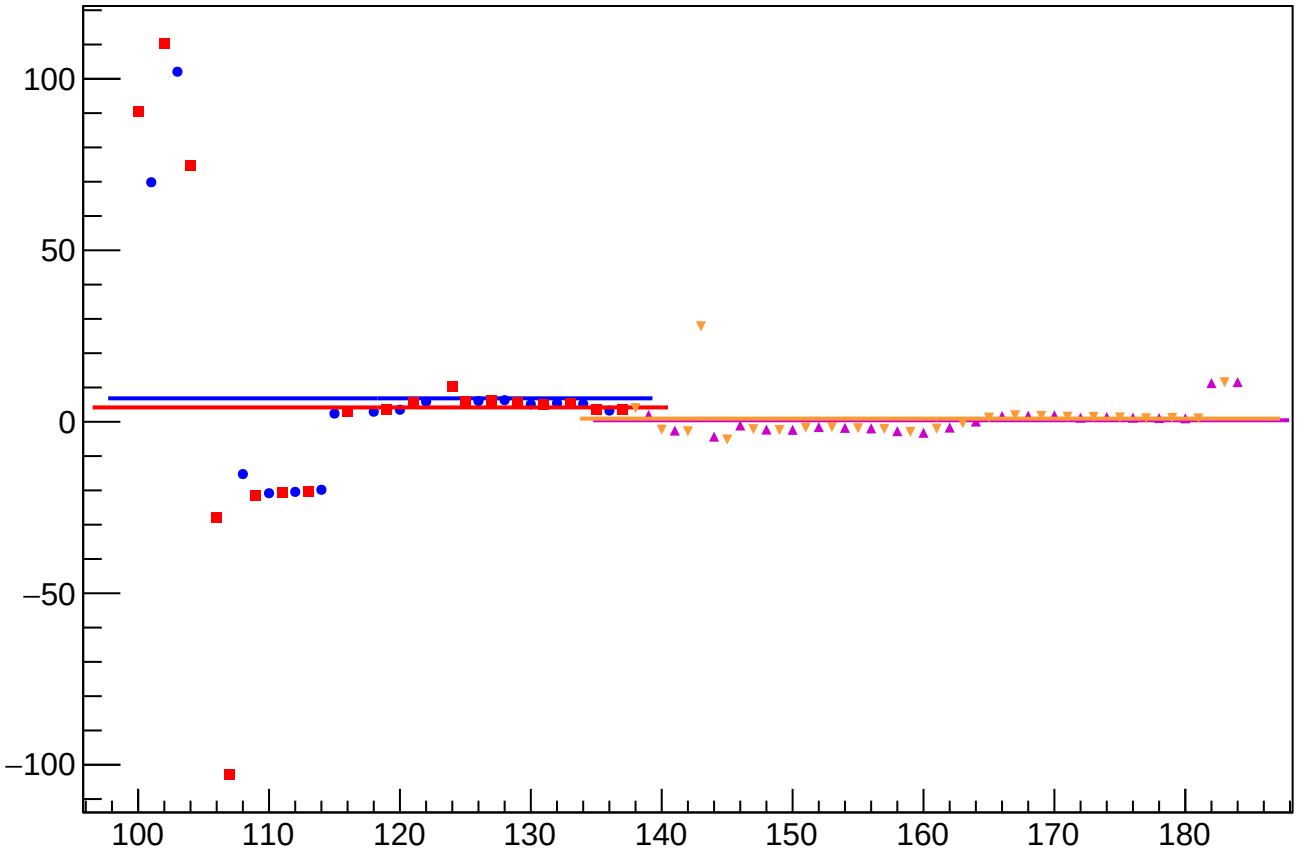
Left: 3.088+/-0.239 χ^2/NDF: 169.0/46

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 2.329+/-0.308 χ^2/NDF:160.1/38

Out: 2.879+/-0.303 χ^2/NDF:148.4/42

All: 2.608+/-0.216 χ^2/NDF: 310.1/81



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: 0.443+/-0.015 χ^2/NDF:53446.3/22

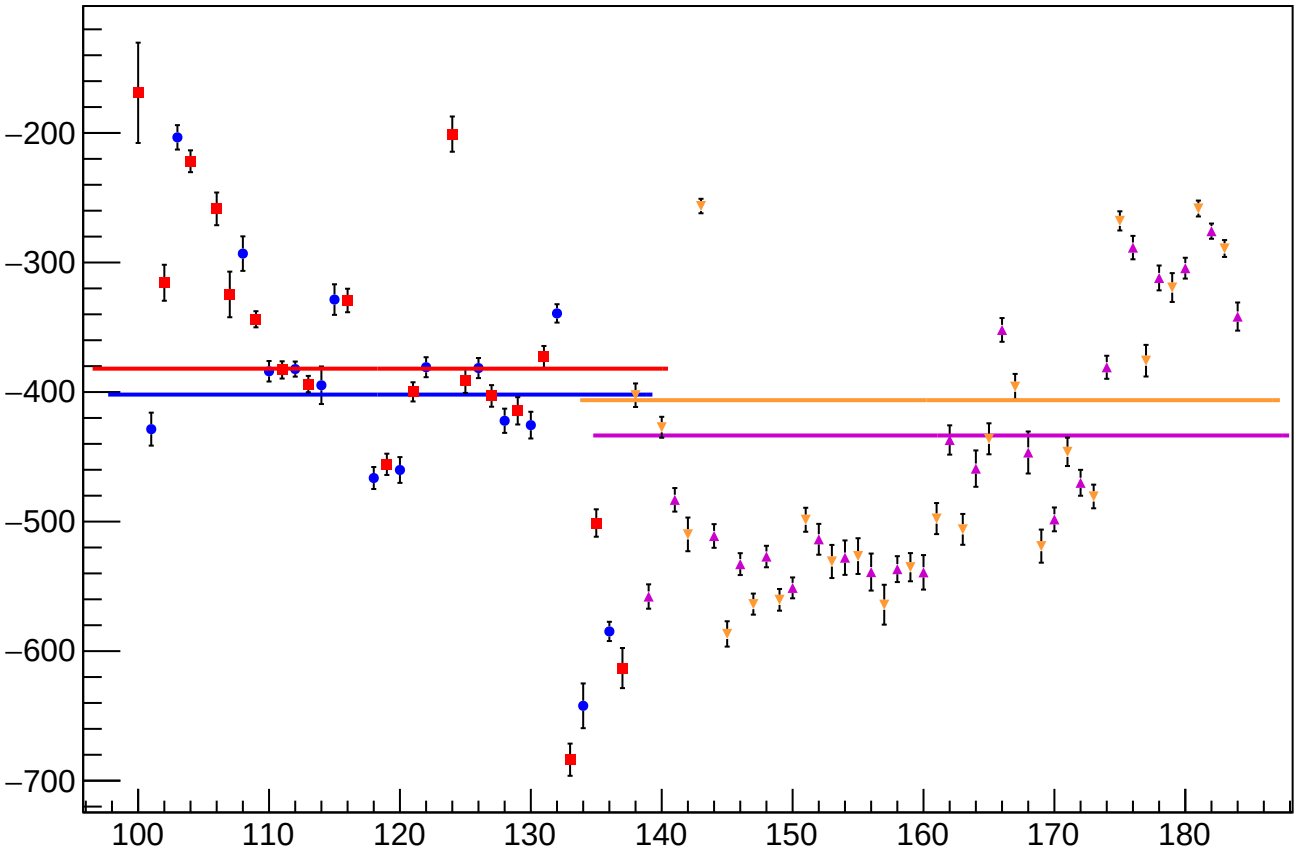
Left: 0.685+/-0.011 χ^2/NDF: 175085.2/46

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 1.148+/-0.014 χ^2/NDF:394222.7/38

Out: 1.232+/-0.014 χ^2/NDF:560182.3/42

All: 1.190+/-0.010 χ^2/NDF: 954422.5/81



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: -433.529+/-1.993 χ^2/NDF:2724.5/22

Left: -419.127+/-1.369 χ^2/NDF: 6797.8/46

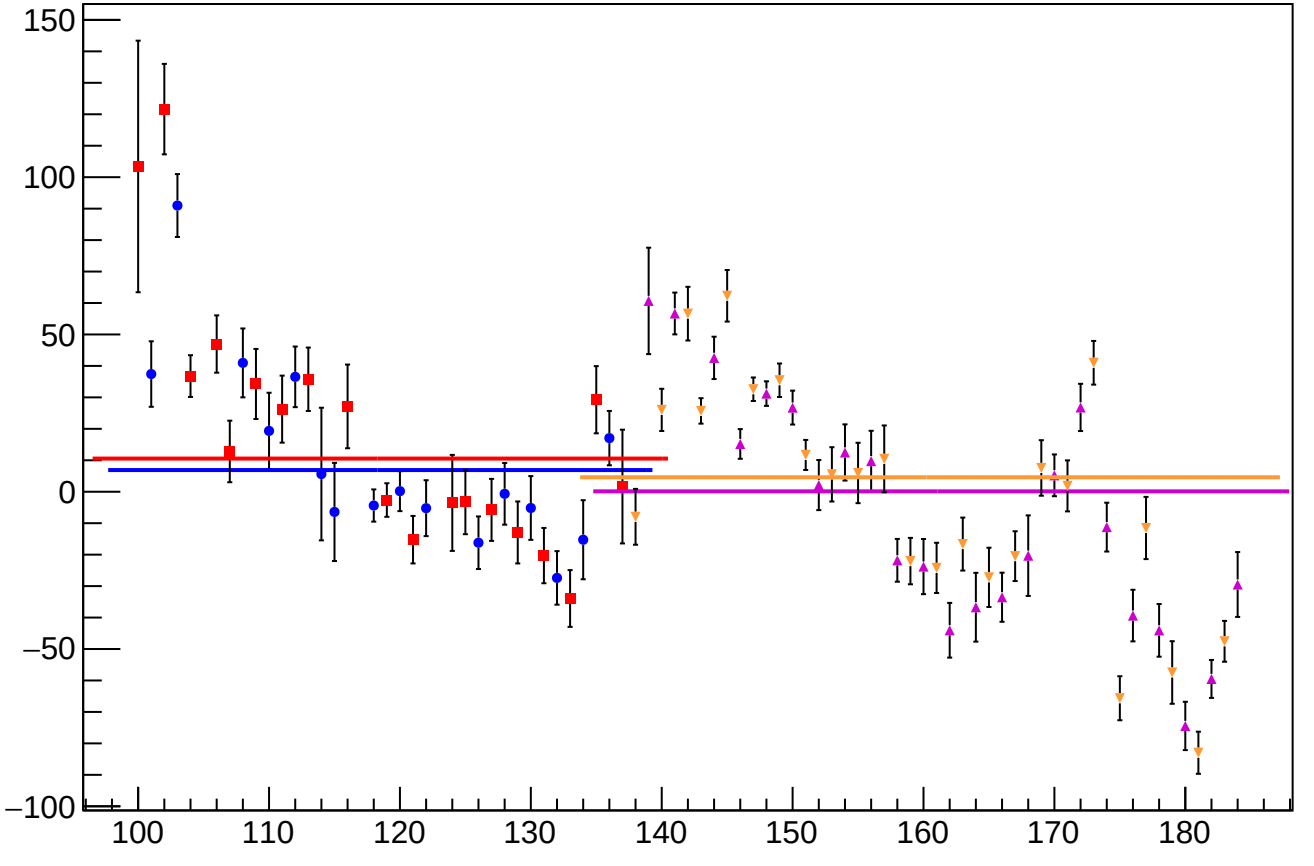
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -419.552+/-1.488 χ^2/NDF:4398.9/38

Out: -395.562+/-1.409 χ^2/NDF:5865.2/42

All: -406.908+/-1.023 χ^2/NDF: 10401.1/81

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: 0.124+/-1.489 χ^2/NDF:568.6/22

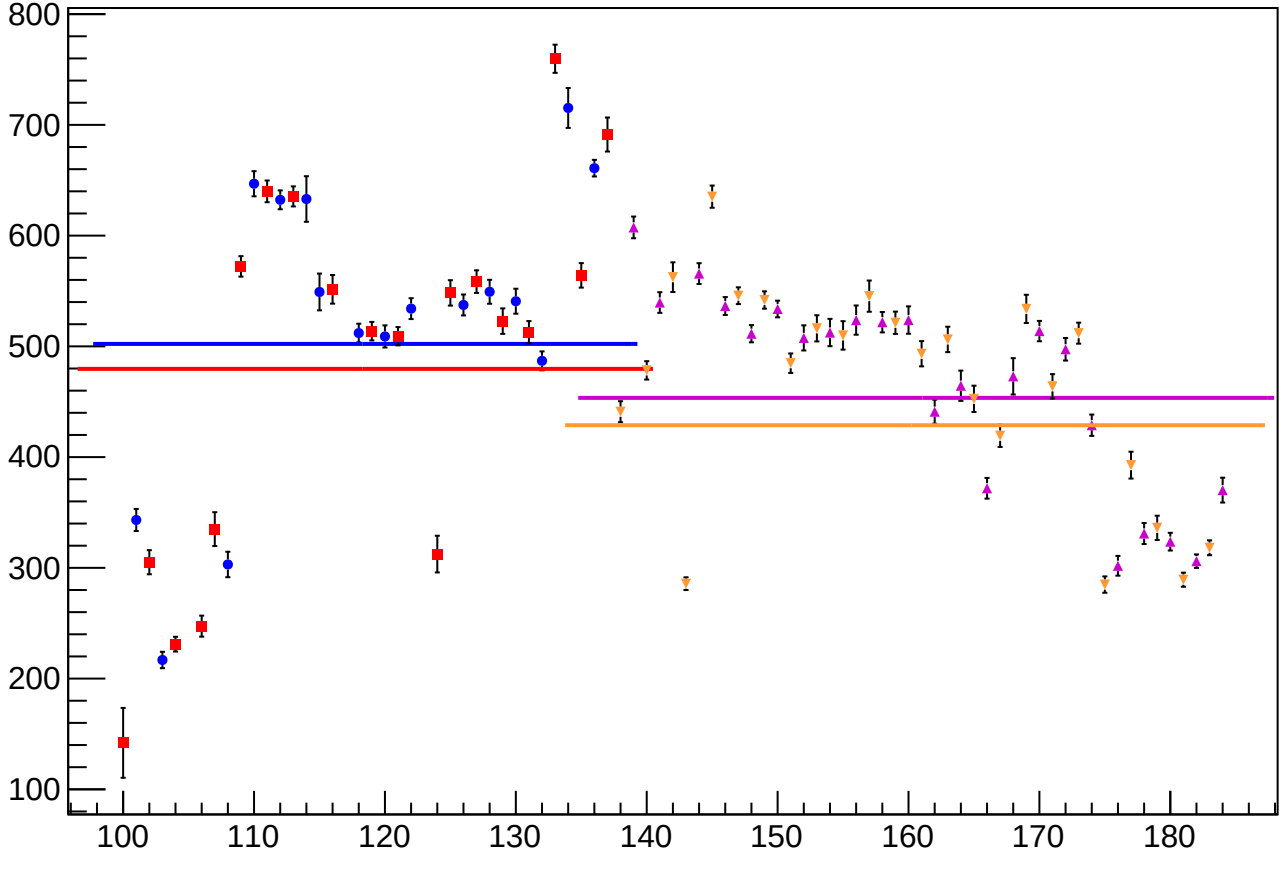
Left: 2.521+/-1.015 χ^2/NDF: 1251.2/46

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 2.167+/-1.244 χ^2/NDF:713.2/38

Out: 6.295+/-1.173 χ^2/NDF:863.0/42

All: 4.352+/-0.854 χ^2/NDF: 1582.1/81



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: 453.496+/-1.974 χ^2/NDF:2419.7/22

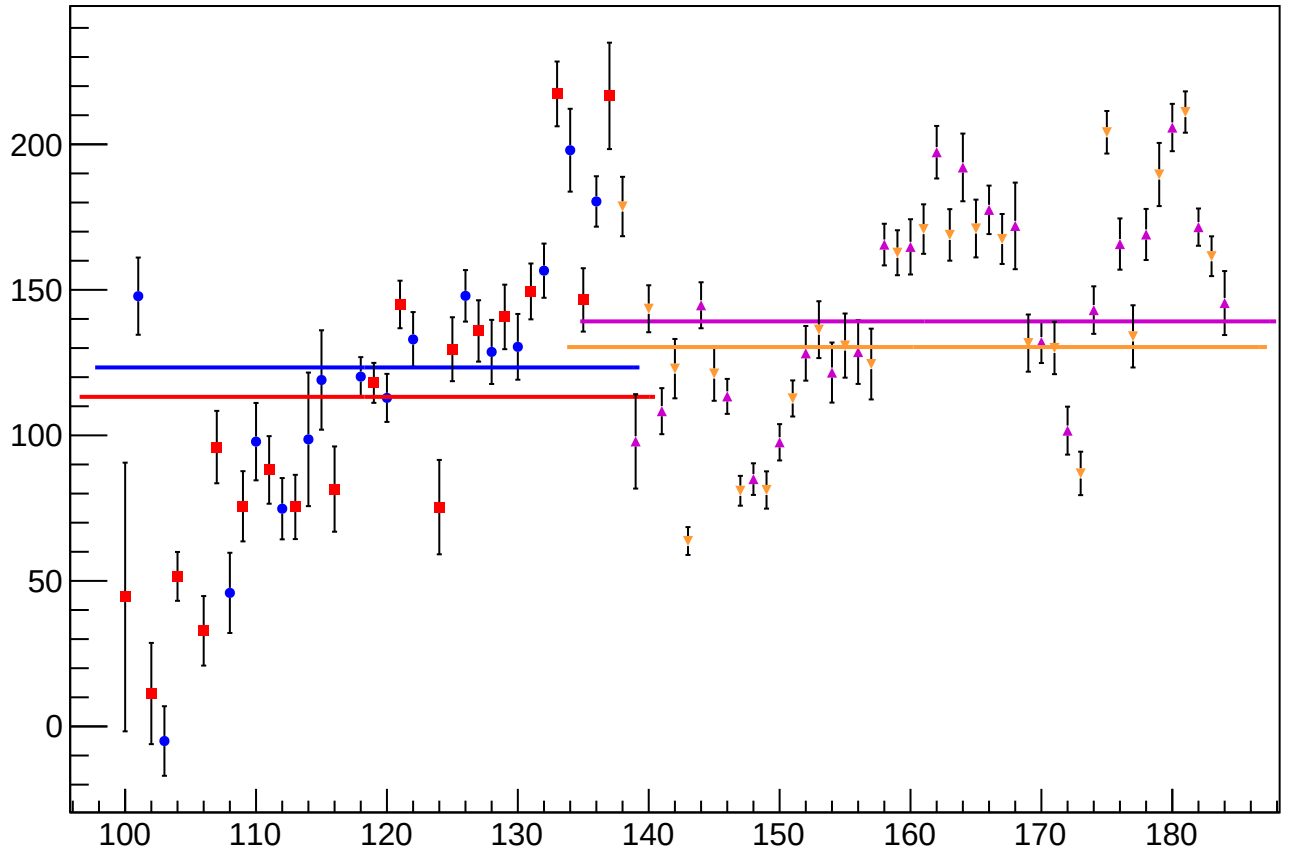
Left: 440.514+/-1.360 χ^2/NDF: 5868.4/46

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 472.269+/-1.547 χ^2/NDF:5789.6/38

Out: 448.093+/-1.478 χ^2/NDF:7784.2/42

All: 459.624+/-1.069 χ^2/NDF: 13701.4/81



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: 139.163+/-1.705 χ^2/NDF:434.2/22

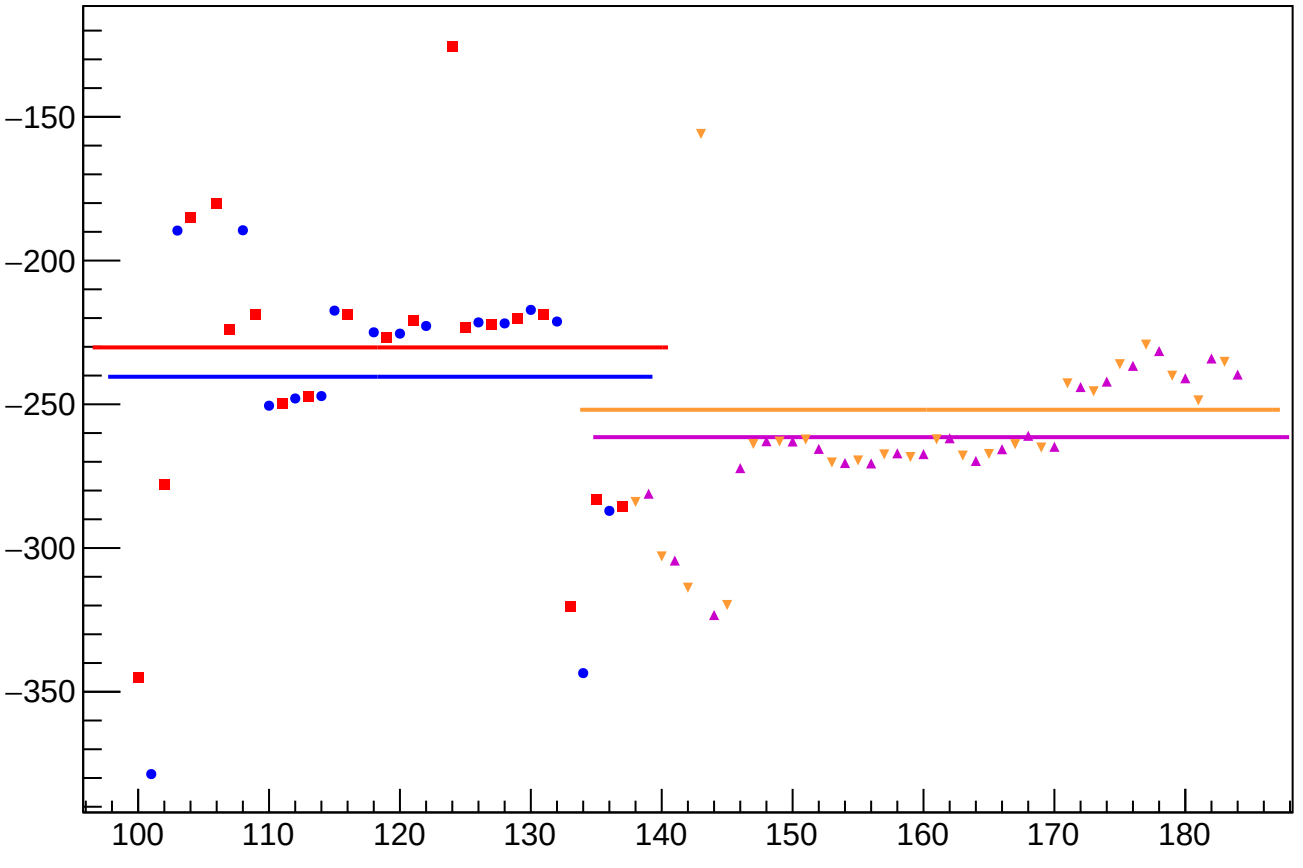
Left: 134.490+/-1.168 χ^2/NDF: 1239.7/46

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 134.475+/-1.430 χ^2/NDF:731.1/38

Out: 125.483+/-1.357 χ^2/NDF:1169.4/42

All: 129.744+/-0.984 χ^2/NDF: 1921.3/81



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: -261.425+/-0.078 χ^2/NDF:69557.7/22

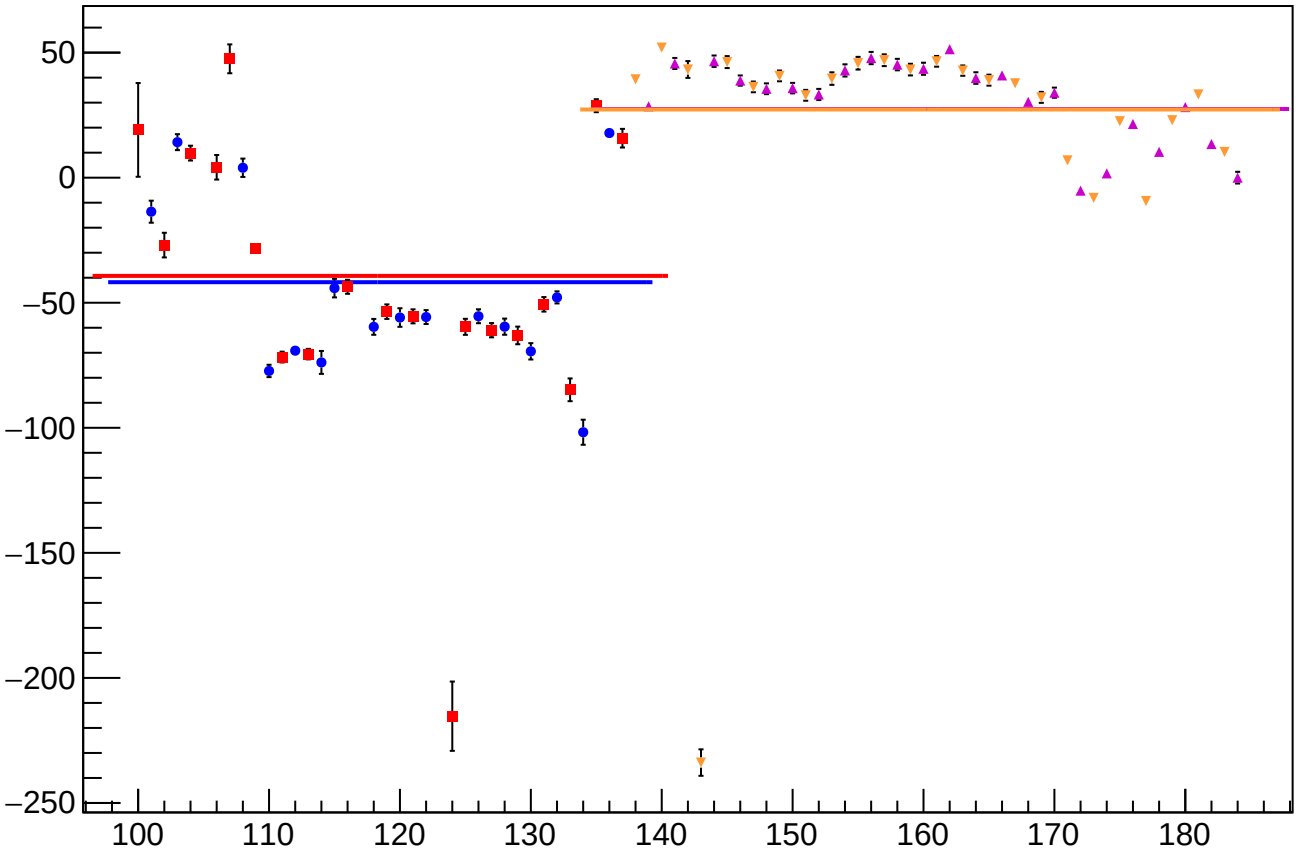
Left: -256.504+/-0.054 χ^2/NDF: 330974.9/46

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -256.992+/-0.069 χ^2/NDF:219069.2/38

Out: -247.353+/-0.067 χ^2/NDF:354440.2/42

All: -252.021+/-0.048 χ^2/NDF: 583523.7/81



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: 27.466+/-0.396 χ^2/NDF:1608.9/22

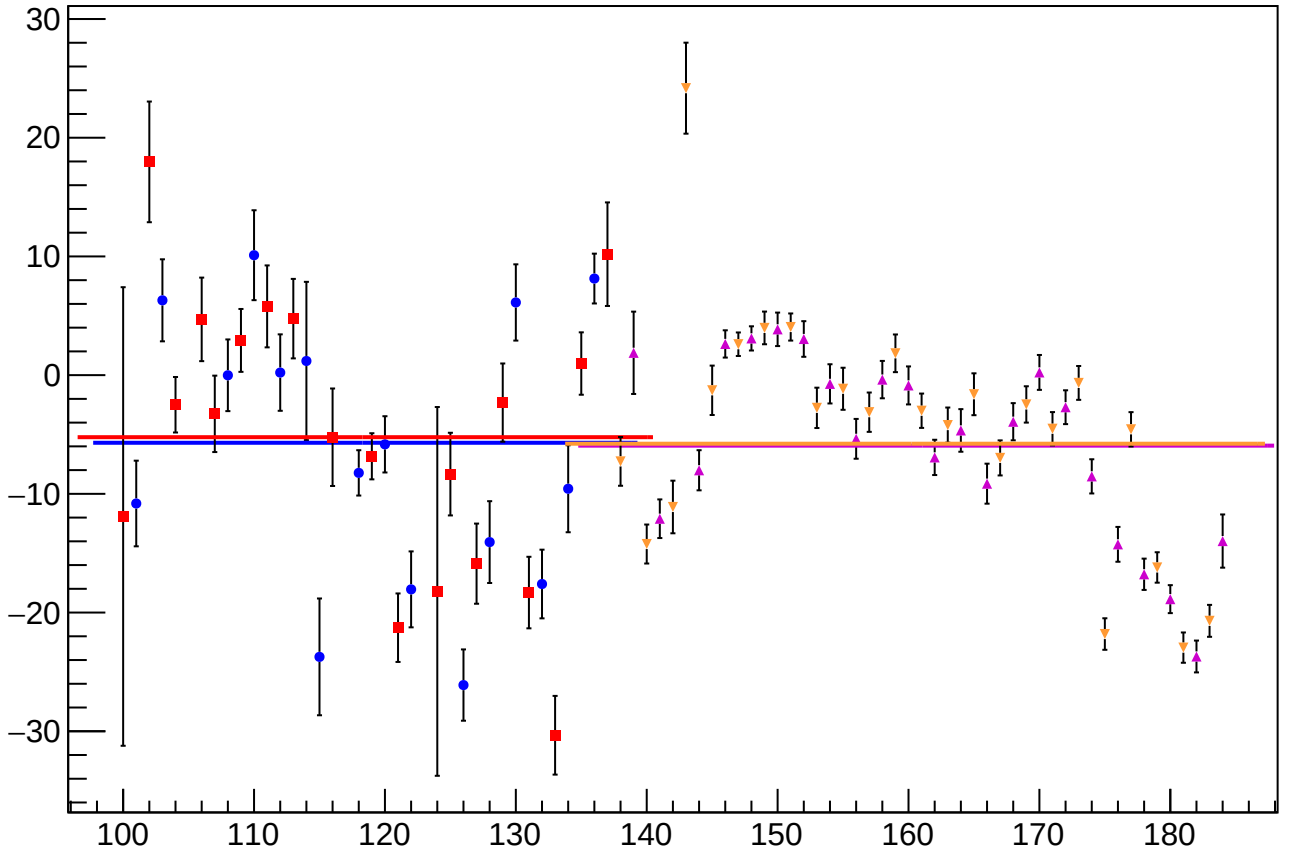
Left: 27.361+/-0.279 χ^2/NDF: 5886.0/46

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 11.502+/-0.347 χ^2/NDF:11072.0/38

Out: 10.579+/-0.340 χ^2/NDF:13933.0/42

All: 11.031+/-0.243 χ^2/NDF: 25008.6/81



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: -5.940+/-0.309 χ^2/NDF:712.2/22

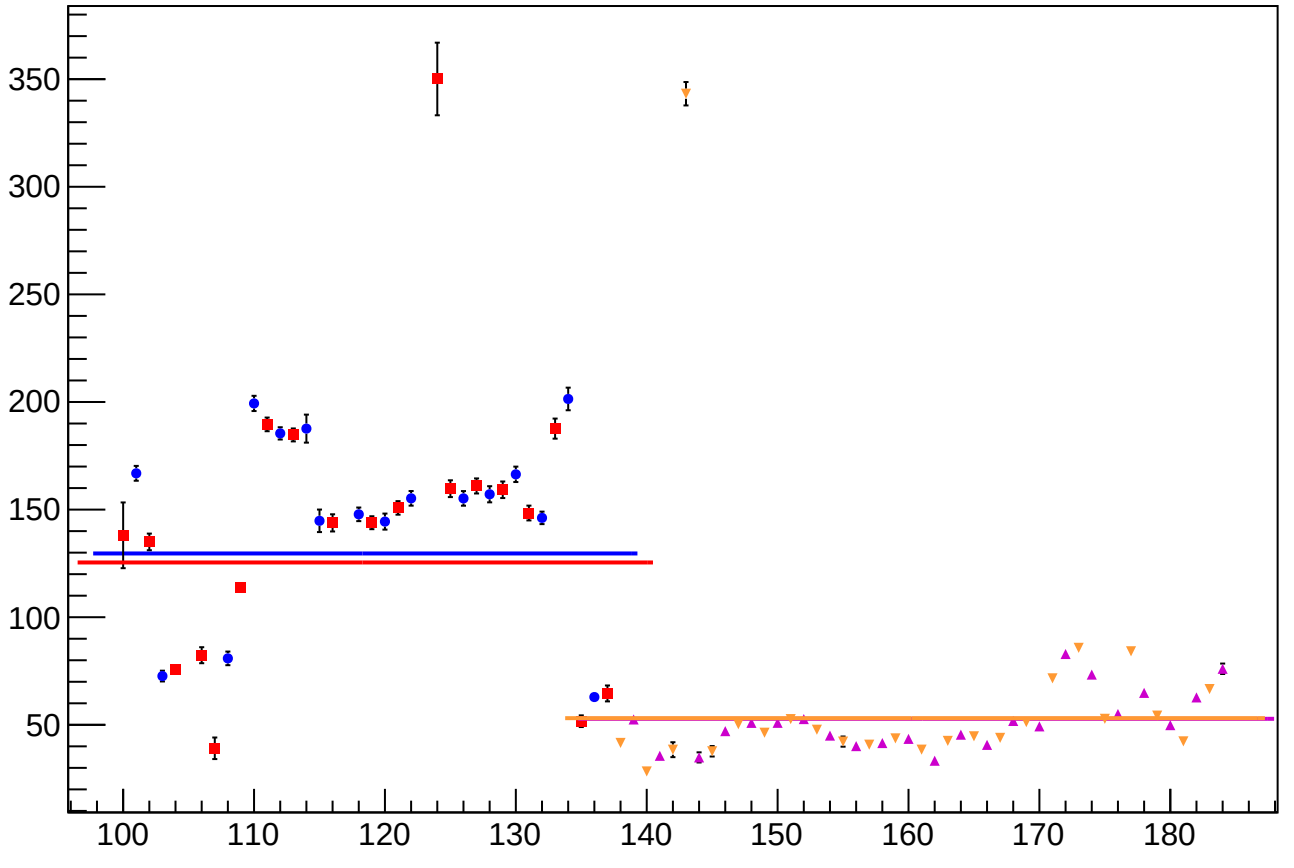
Left: -5.857+/-0.217 χ^2/NDF: 1588.5/46

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -5.905+/-0.286 χ^2/NDF:909.1/38

Out: -5.697+/-0.281 χ^2/NDF:1073.9/42

All: -5.799+/-0.201 χ^2/NDF: 1983.2/81



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: 52.797+/-0.393 χ^2/NDF:978.1/22

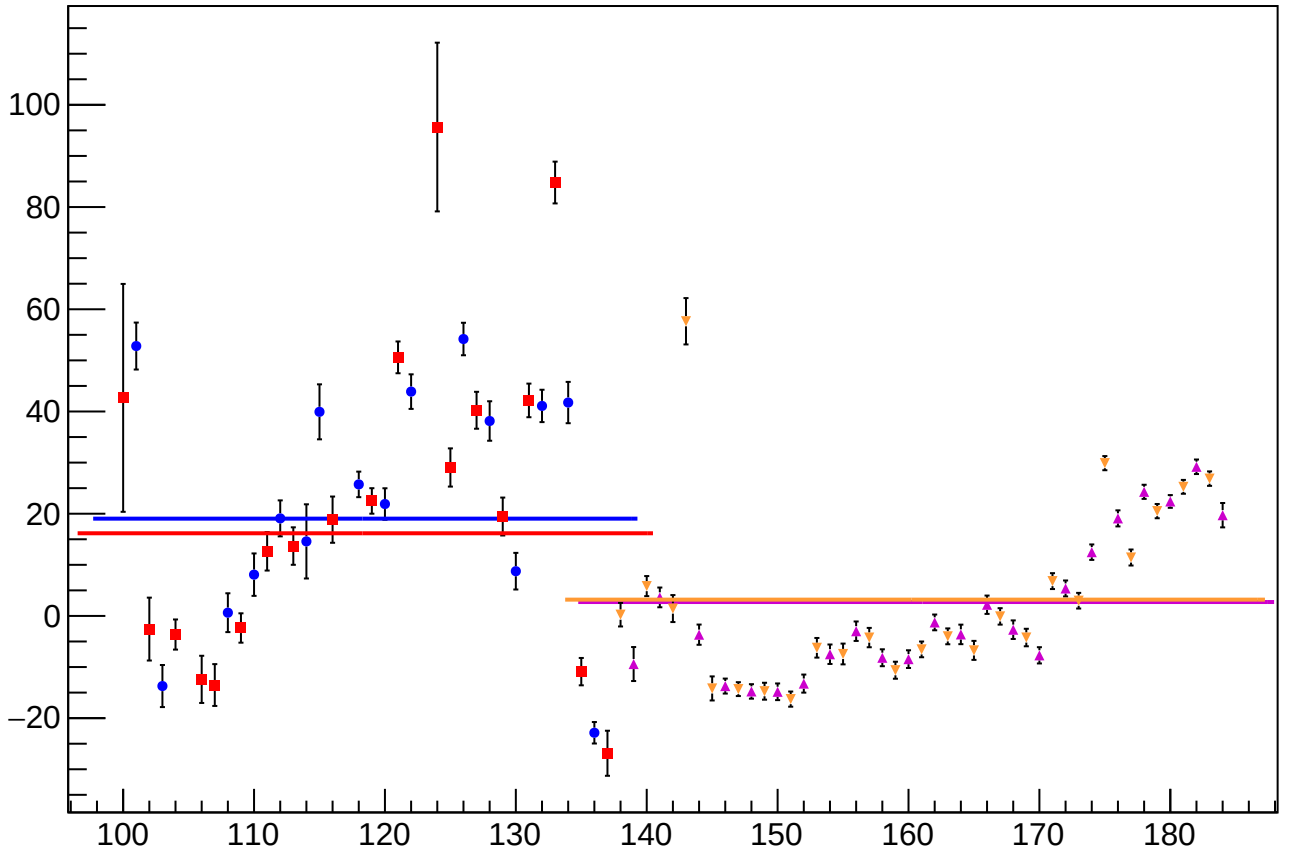
Left: 52.945+/-0.277 χ^2/NDF: 5132.9/46

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 67.689+/-0.352 χ^2/NDF:12025.0/38

Out: 67.296+/-0.350 χ^2/NDF:14400.4/42

All: 67.491+/-0.248 χ^2/NDF: 26426.0/81



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: 2.722+/-0.347 χ^2/NDF:1735.2/22

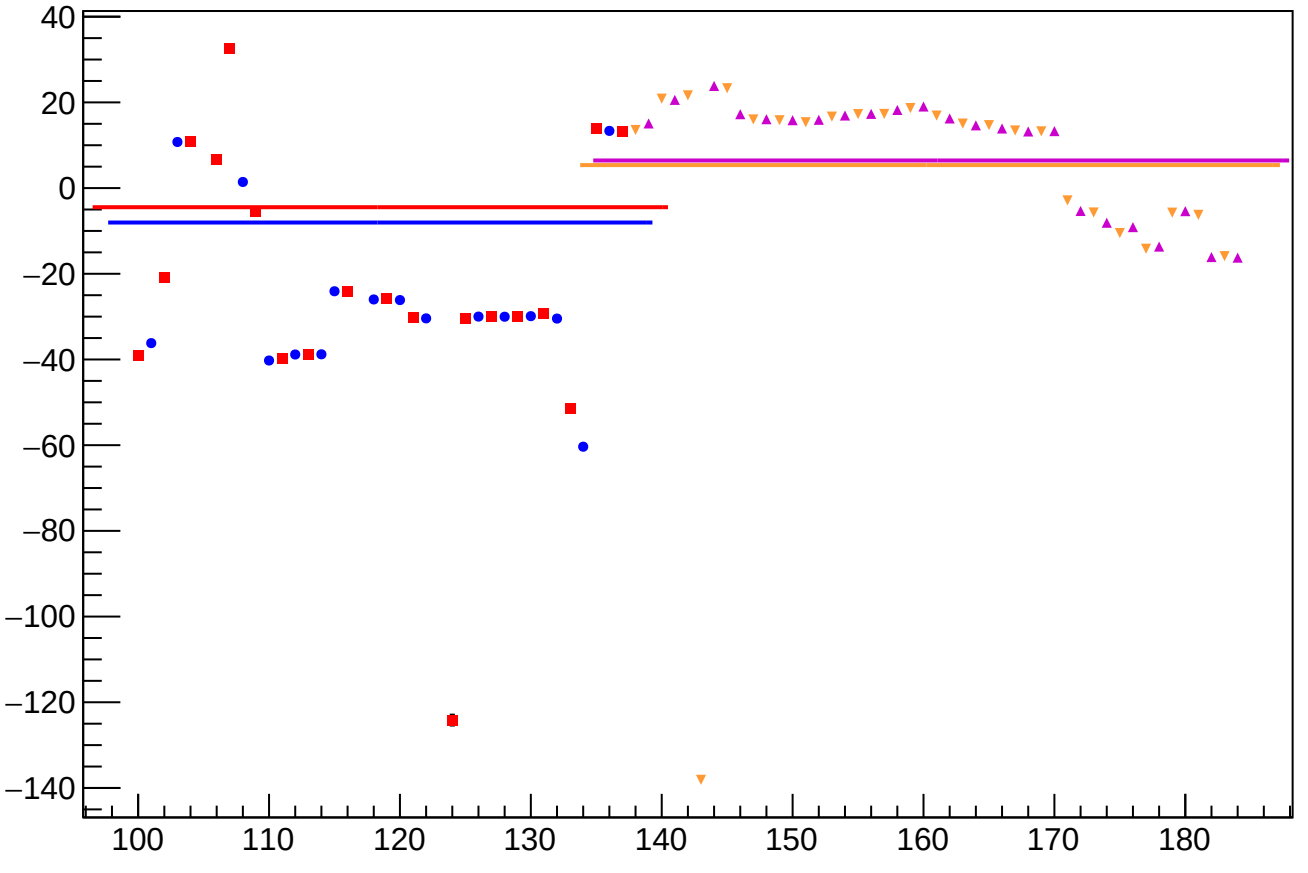
Left: 2.958+/-0.244 χ^2/NDF: 3747.9/46

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 5.003+/-0.322 χ^2/NDF:2902.8/38

Out: 5.019+/-0.318 χ^2/NDF:3155.4/42

All: 5.011+/-0.226 χ^2/NDF: 6058.2/81



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: 6.444+/-0.015 χ^2/NDF:729692.1/22

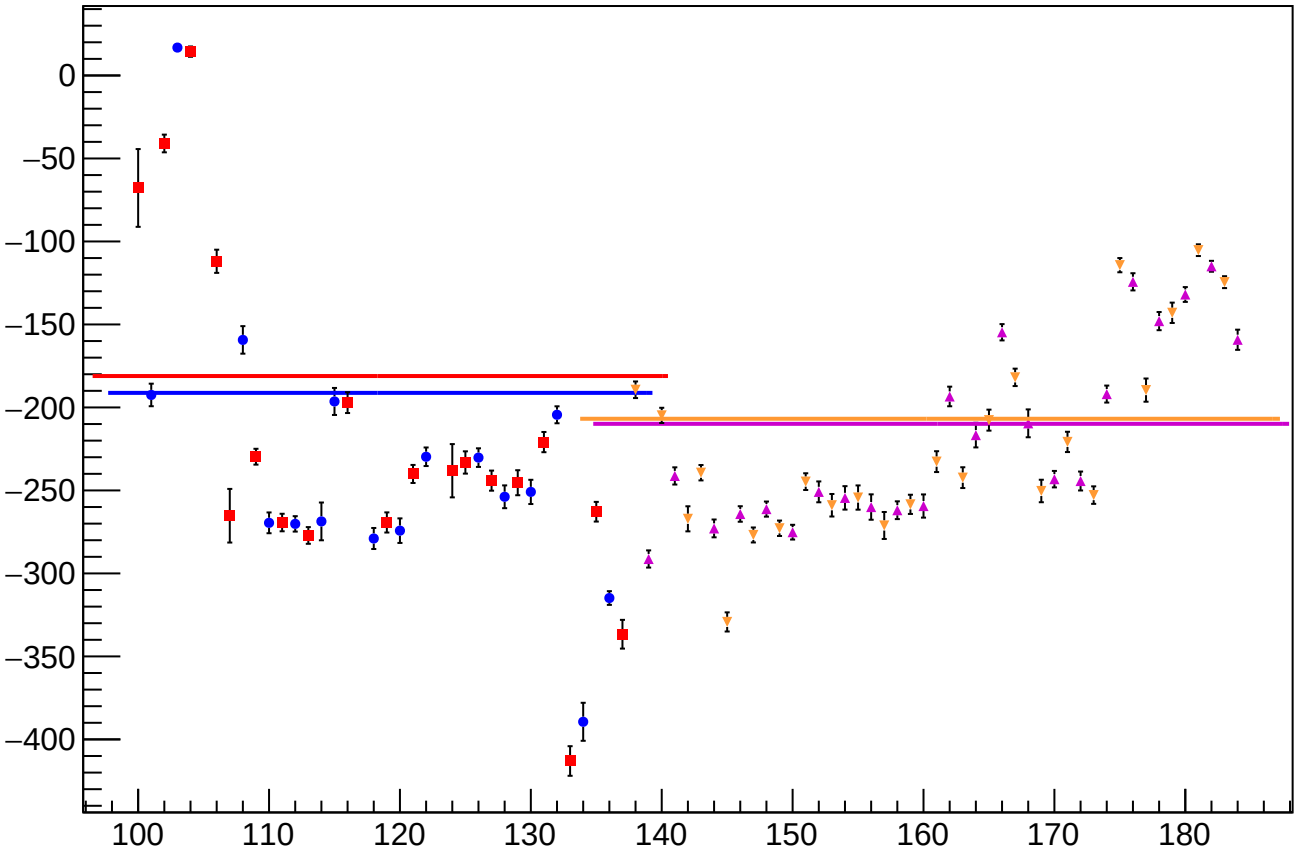
Left: 5.907+/-0.011 χ^2/NDF: 1833318.8/46

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 4.986+/-0.015 χ^2/NDF:1087379.7/38

Out: 4.408+/-0.015 χ^2/NDF:1369381.0/42

All: 4.698+/-0.010 χ^2/NDF: 2457545.0/81



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: -209.875+/-1.101 χ^2/NDF:3011.9/22

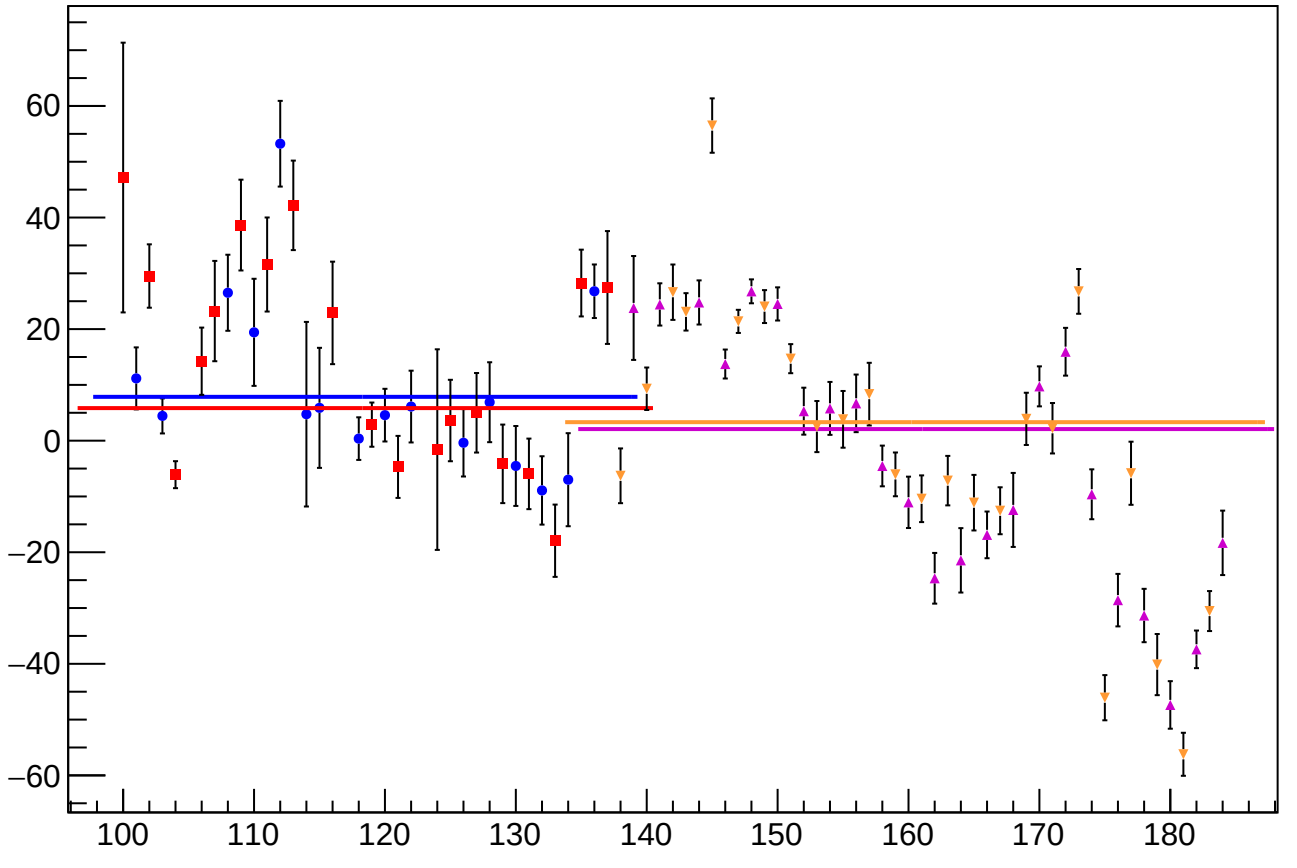
Left: -208.318+/-0.771 χ^2/NDF: 6462.1/46

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -202.862+/-0.870 χ^2/NDF:10344.4/38

Out: -197.073+/-0.851 χ^2/NDF:11035.6/42

All: -199.903+/-0.608 χ^2/NDF: 21402.7/81



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: 2.079+/-0.820 χ^2/NDF:770.2/22

Left: 2.720+/-0.570 χ^2/NDF: 1719.4/46

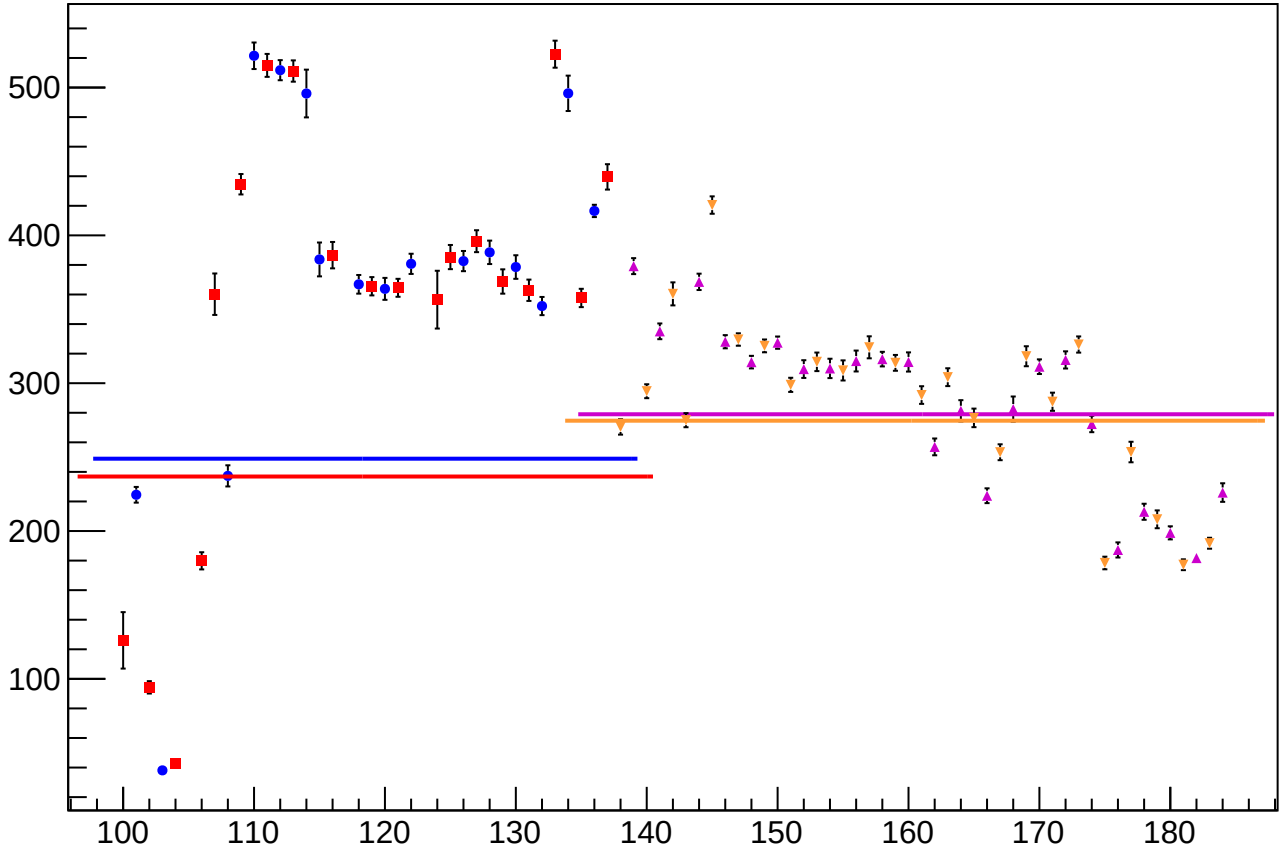
Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 3.497+/-0.712 χ^2/NDF:863.3/38

Out: 3.961+/-0.684 χ^2/NDF:1092.4/42

All: 3.739+/-0.493 χ^2/NDF: 1956.0/81

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 274.632+/-1.071 χ^2/NDF:3279.7/23

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

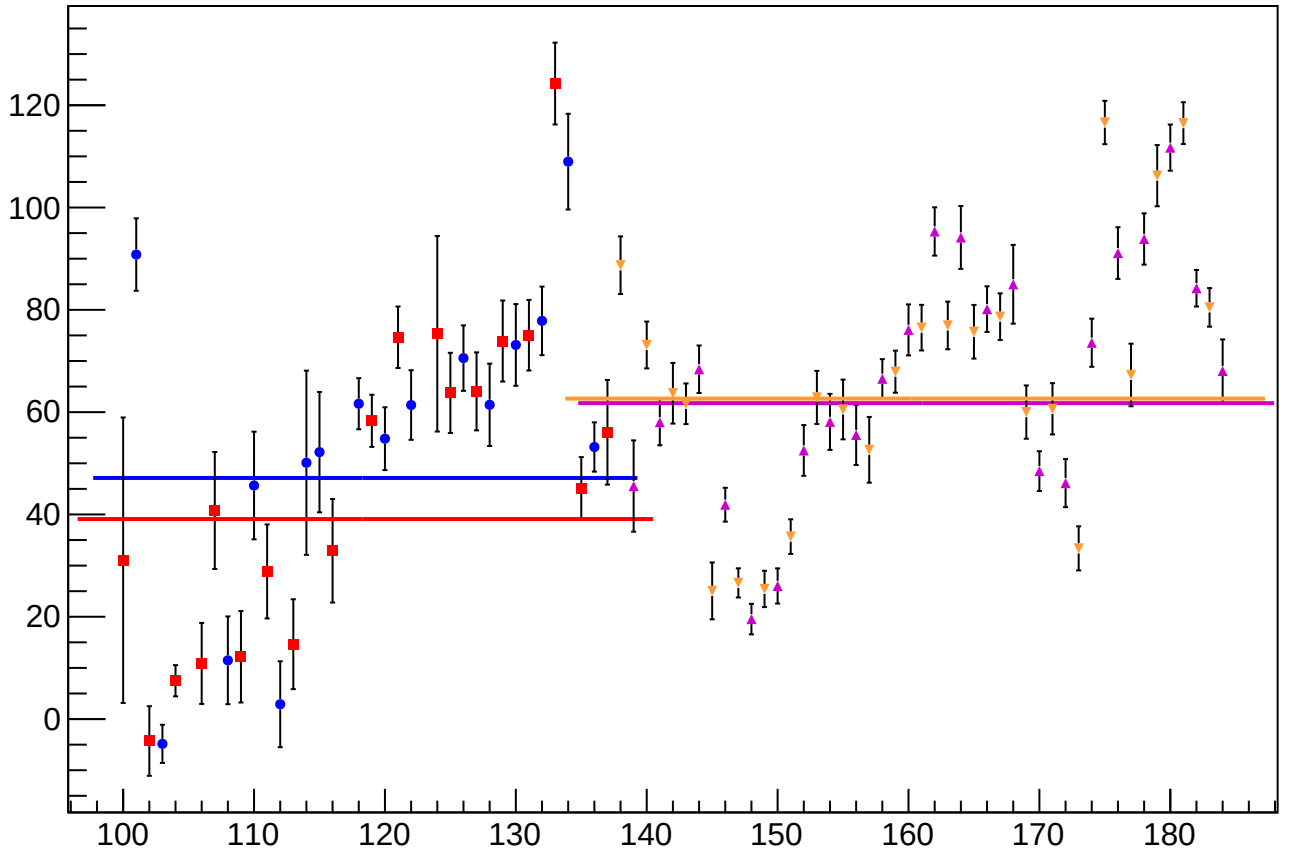
Left: 276.774+/-0.763 χ^2/NDF: 6402.5/46

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 267.877+/-0.864 χ^2/NDF:18698.6/38

Out: 260.778+/-0.852 χ^2/NDF:19393.2/42

All: 264.276+/-0.607 χ^2/NDF: 38126.0/81



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: 61.763+/-0.939 χ^2/NDF:736.0/22

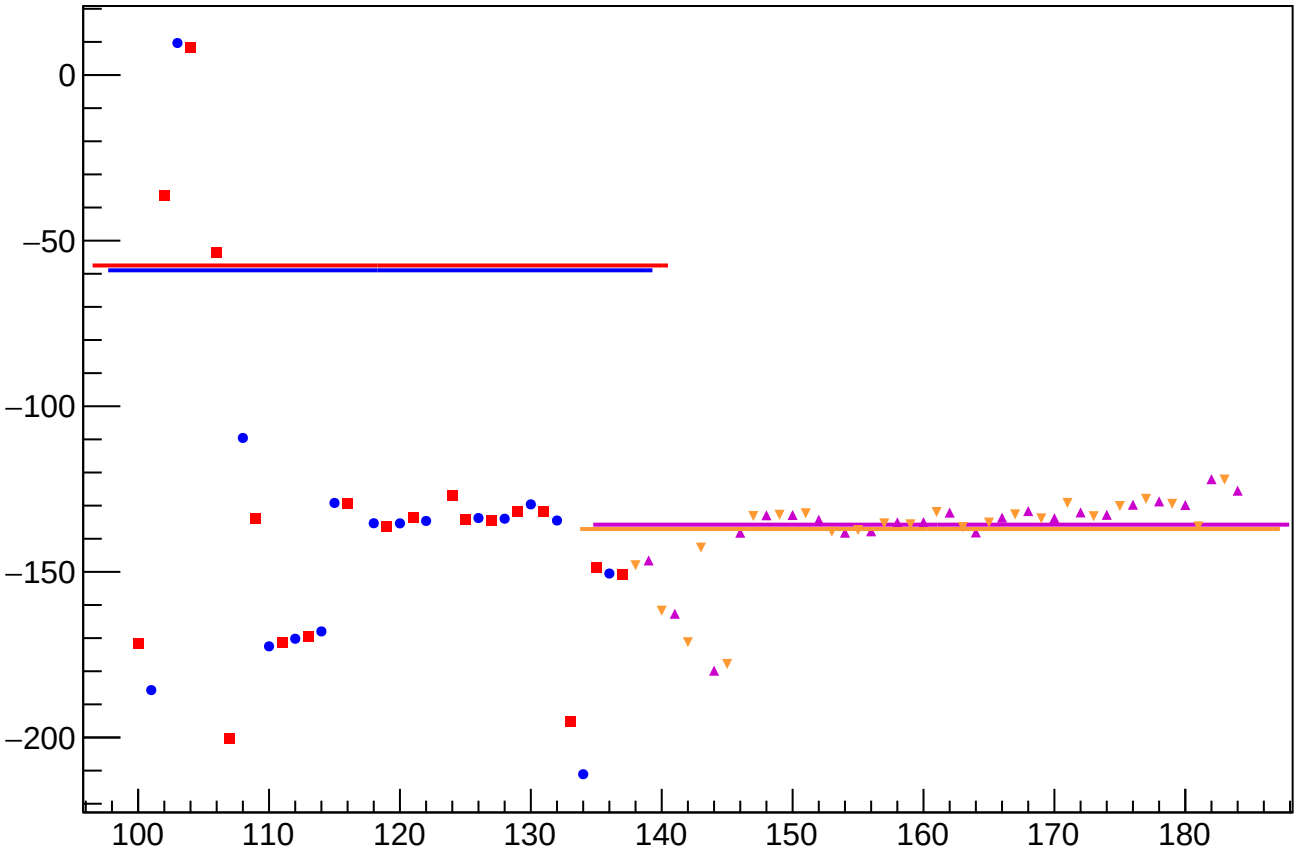
Left: 62.219+/-0.655 χ^2/NDF: 1643.0/46

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 58.244+/-0.818 χ^2/NDF:1179.8/38

Out: 56.829+/-0.794 χ^2/NDF:1486.9/42

All: 57.515+/-0.570 χ^2/NDF: 2668.2/81



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: -135.745+/-0.043 χ^2/NDF:63681.9/22

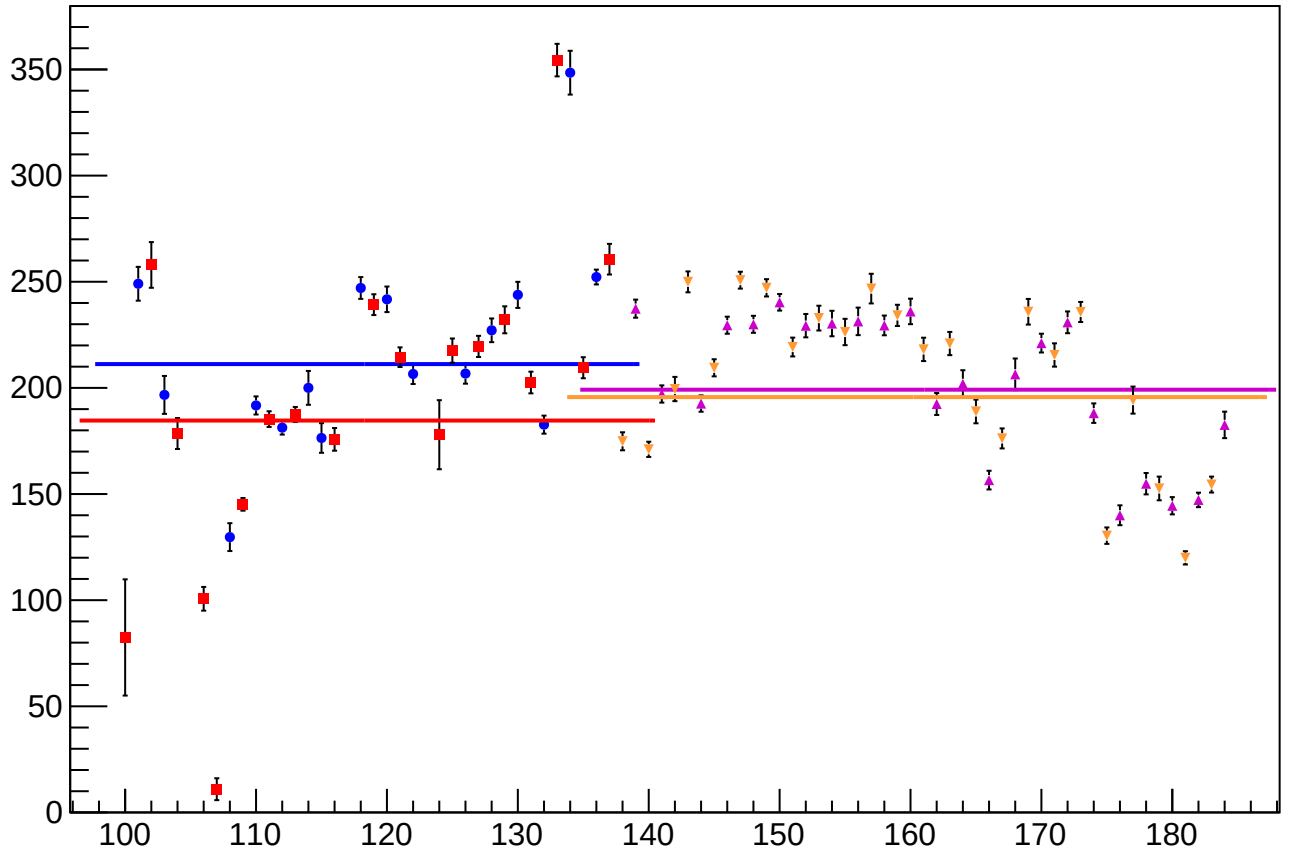
Left: -136.404+/-0.030 χ^2/NDF: 139849.2/46

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -115.940+/-0.037 χ^2/NDF:2120806.4/38

Out: -117.276+/-0.037 χ^2/NDF:1809462.6/42

All: -116.605+/-0.026 χ^2/NDF: 3930922.5/81



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: 199.153+/-0.973 χ^2/NDF:1294.6/22

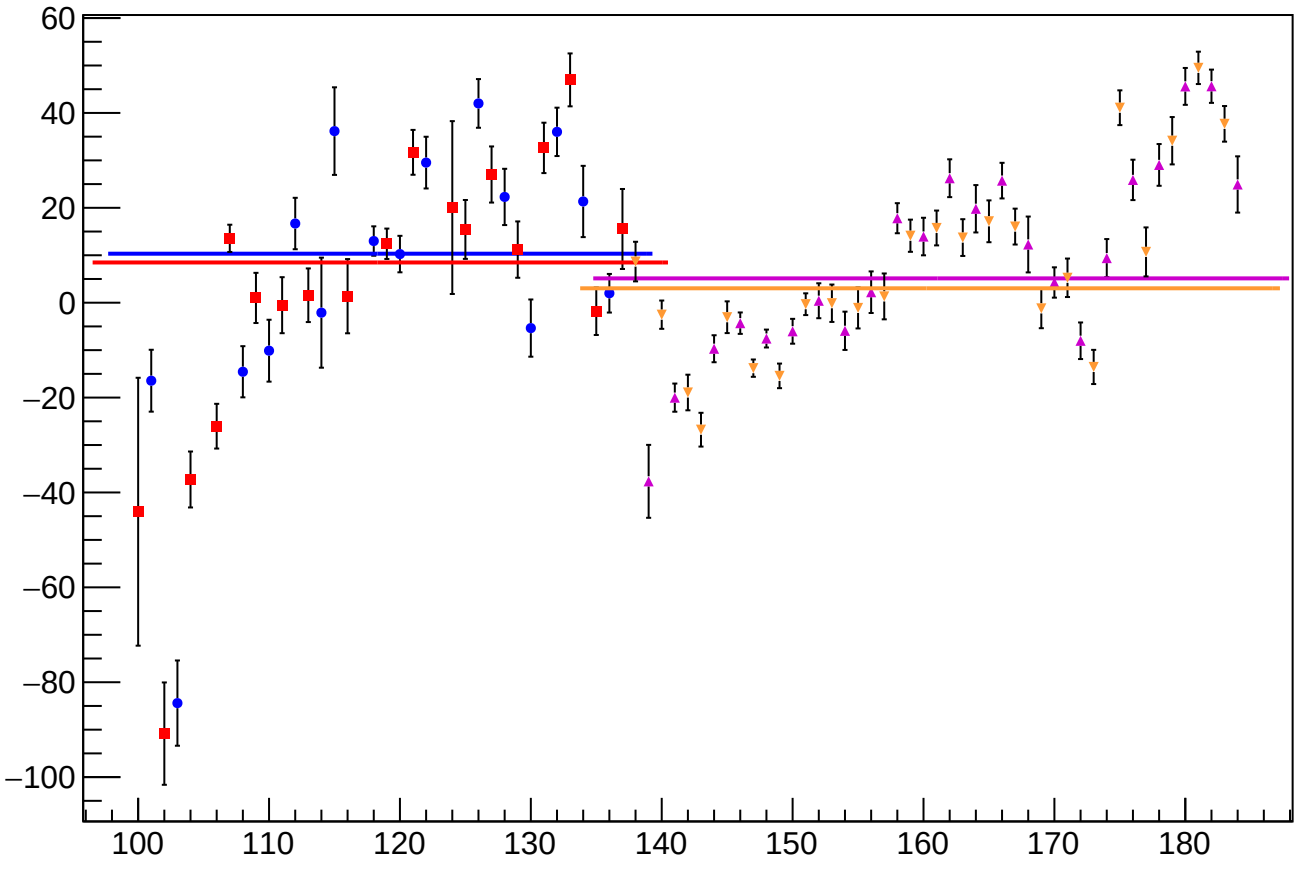
Left: 197.371+/-0.681 χ^2/NDF: 3299.2/46

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 203.499+/-0.778 χ^2/NDF:2133.0/38

Out: 191.365+/-0.745 χ^2/NDF:4590.7/42

All: 197.166+/-0.538 χ^2/NDF: 6850.7/81



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: 5.126+/-0.718 χ^2/NDF:628.6/22

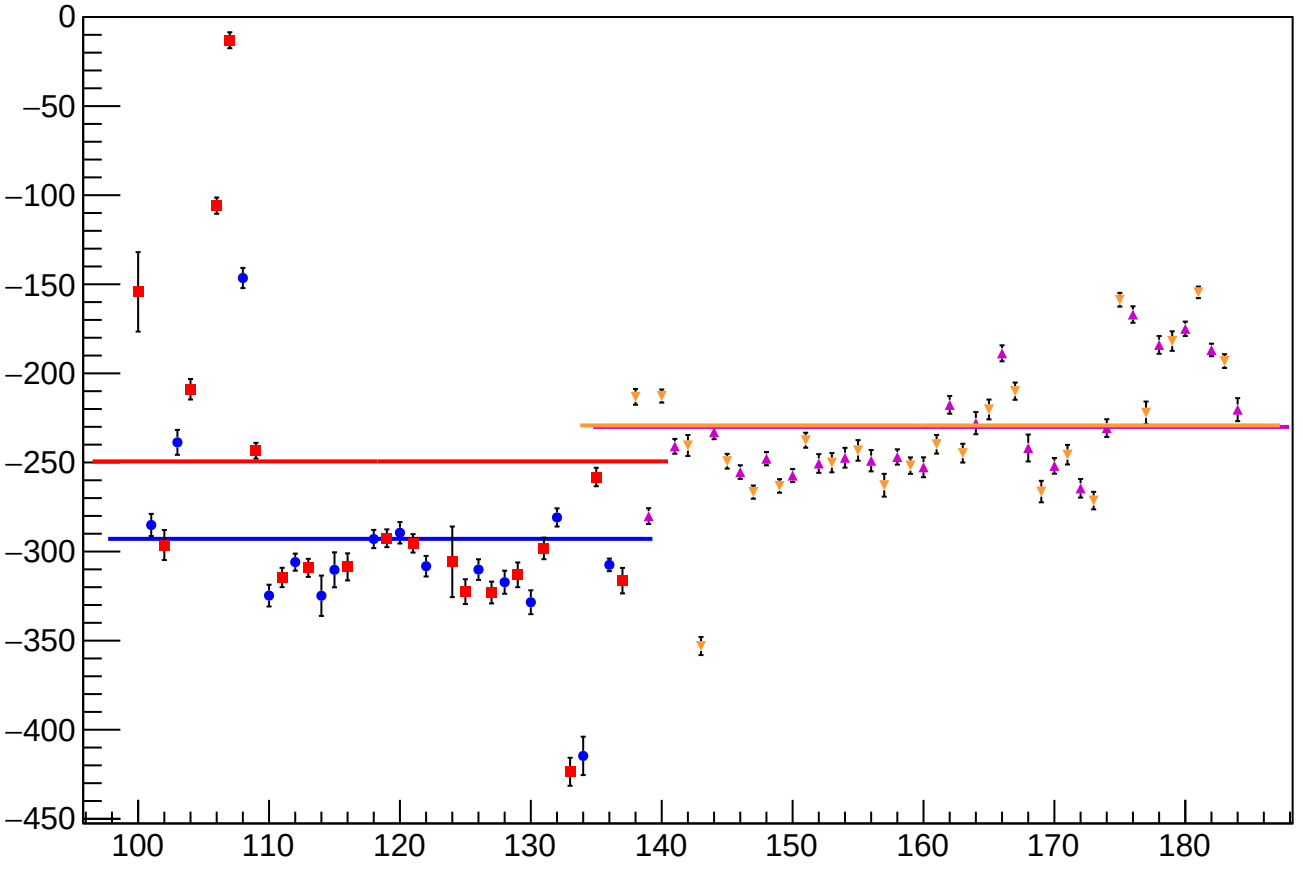
Left: 4.049+/-0.500 χ^2/NDF: 1379.8/46

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 6.296+/-0.632 χ^2/NDF:903.7/38

Out: 4.366+/-0.605 χ^2/NDF:1084.2/42

All: 5.290+/-0.437 χ^2/NDF: 1992.7/81



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: -230.047+/-0.961 χ^2/NDF:1094.0/22

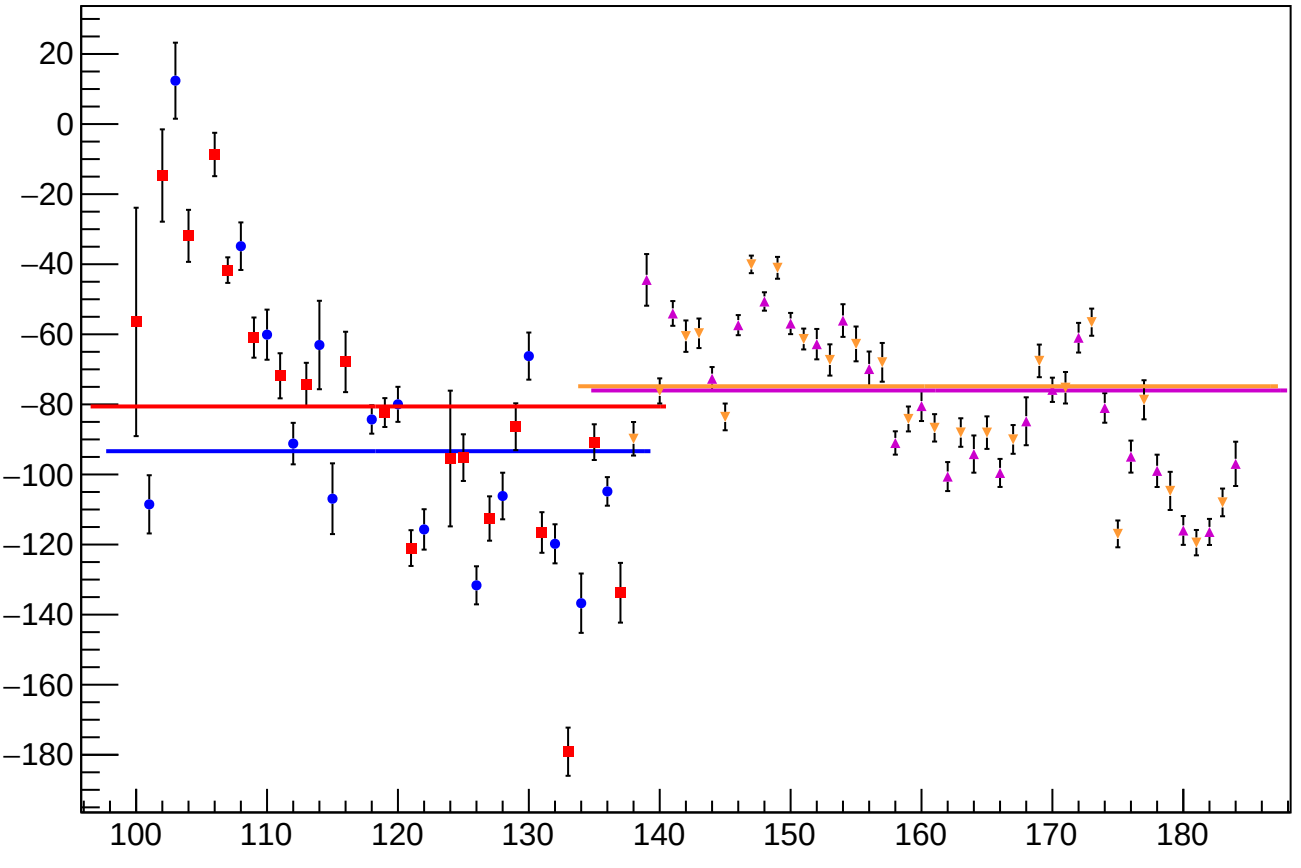
Left: -229.624+/-0.674 χ^2/NDF: 3188.1/46

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -248.901+/-0.804 χ^2/NDF:3360.2/38

Out: -235.730+/-0.777 χ^2/NDF:7609.6/42

All: -242.095+/-0.559 χ^2/NDF: 11108.5/81



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: -76.025+/-0.824 χ^2/NDF:646.0/22

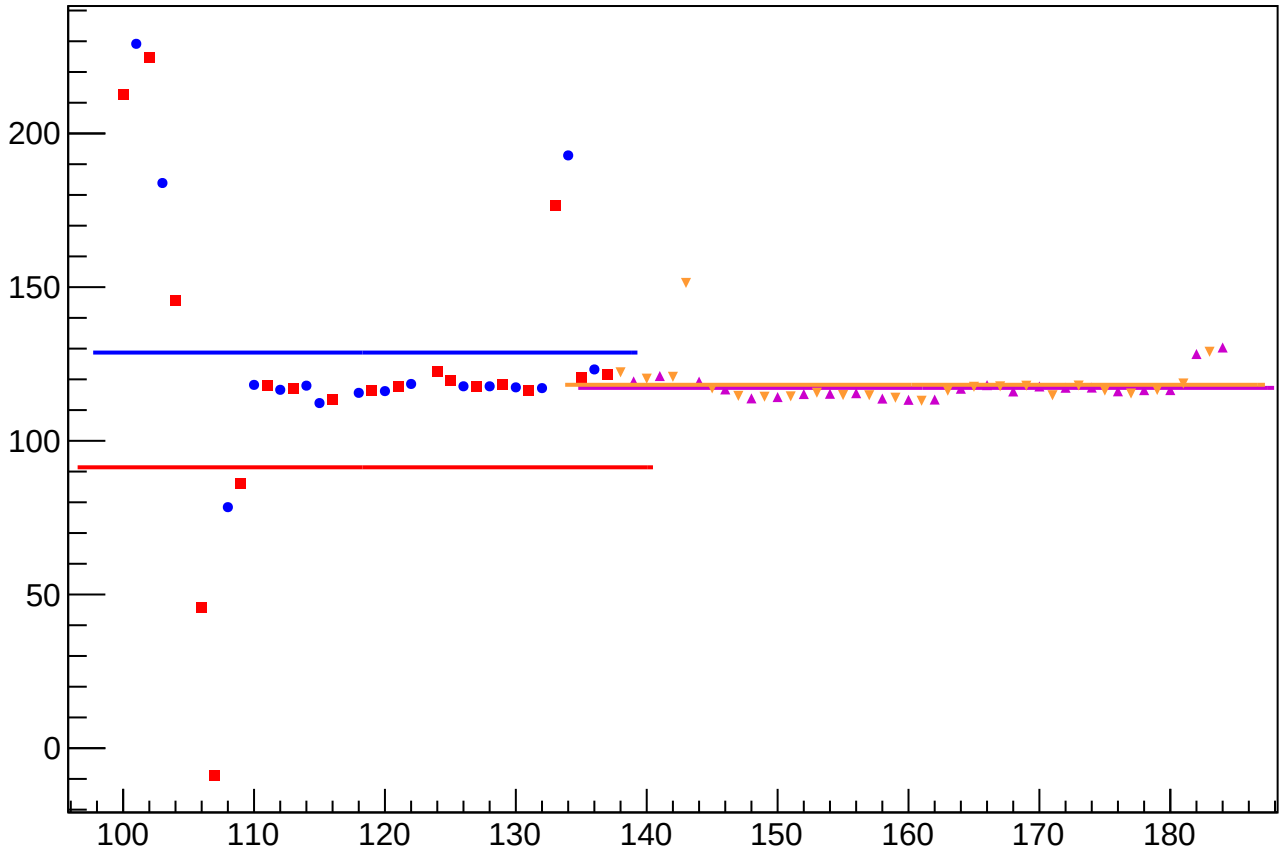
Left: -75.412+/-0.576 χ^2/NDF: 1473.6/46

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -79.906+/-0.726 χ^2/NDF:1100.4/38

Out: -76.224+/-0.701 χ^2/NDF:1554.2/42

All: -78.000+/-0.504 χ^2/NDF: 2667.9/81



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: 117.225+/-0.038 χ^2/NDF:10227.9/22

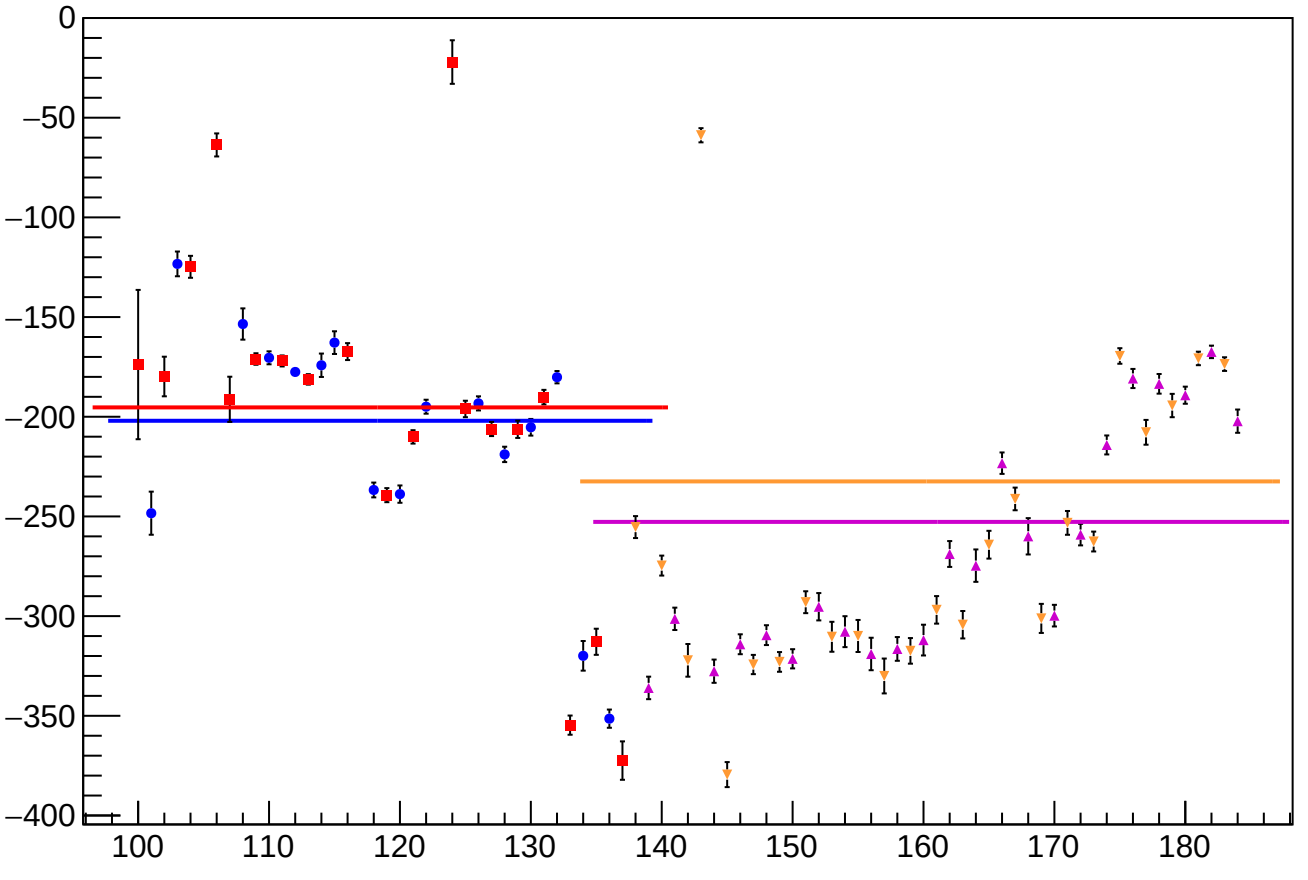
Left: 117.730+/-0.027 χ^2/NDF: 44542.5/46

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.961+/-0.035 χ^2/NDF:207856.3/38

Out: 113.286+/-0.034 χ^2/NDF:732941.1/42

All: 116.065+/-0.024 χ^2/NDF: 954490.1/81



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: -252.738+/-1.131 χ^2/NDF:2913.9/22

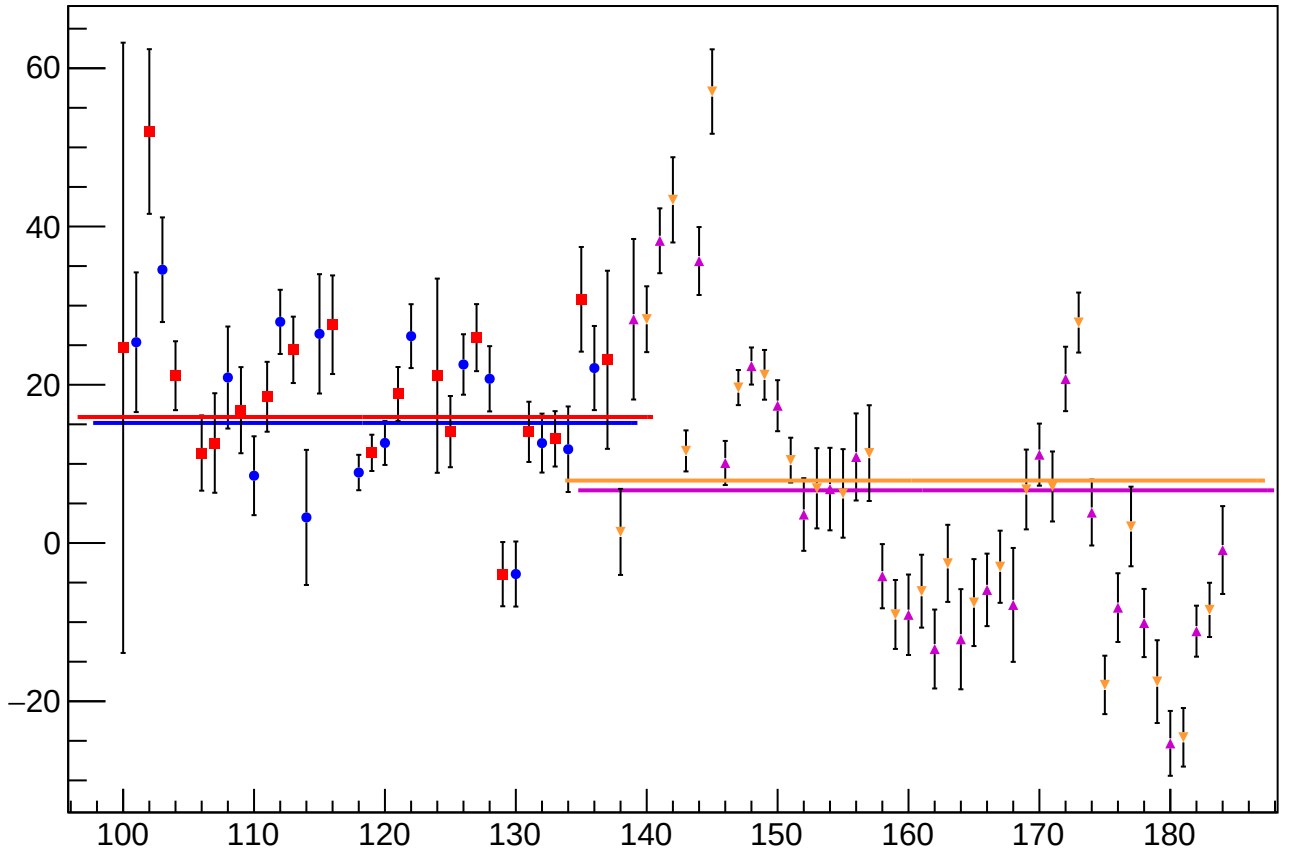
Left: -242.144+/-0.782 χ^2/NDF: 8840.2/46

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -224.874+/-0.759 χ^2/NDF:6059.6/38

Out: -211.919+/-0.724 χ^2/NDF:9508.6/42

All: -218.092+/-0.524 χ^2/NDF: 15720.6/81



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: 6.657+/-0.858 χ^2/NDF:354.8/22

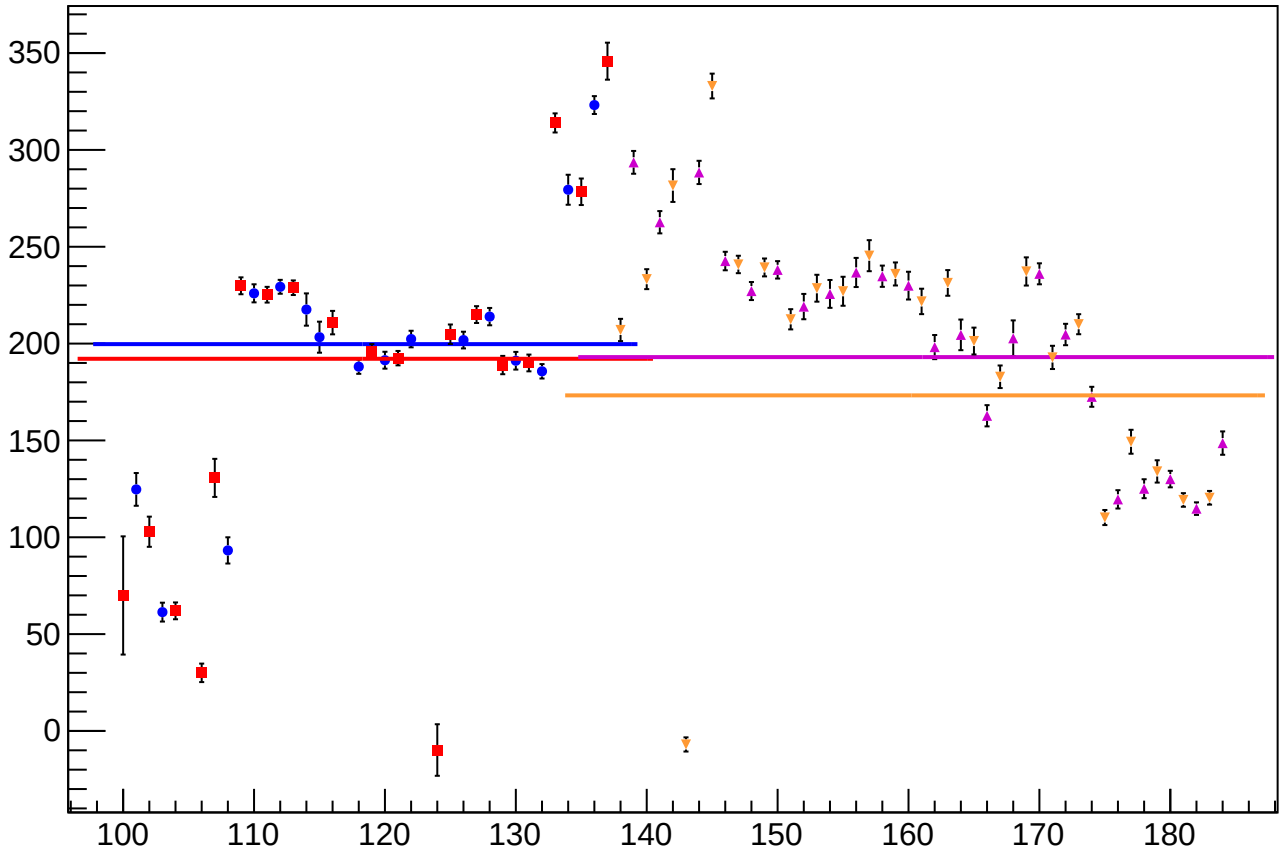
Left: 7.311+/-0.589 χ^2/NDF: 802.9/46

Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 10.078+/-0.664 χ^2/NDF:466.7/38

Out: 10.933+/-0.638 χ^2/NDF:547.8/42

All: 10.522+/-0.460 χ^2/NDF: 1015.4/81



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: 193.026+/-1.122 χ^2/NDF:2512.0/22

Left: 182.752+/-0.777 χ^2/NDF: 7922.6/46

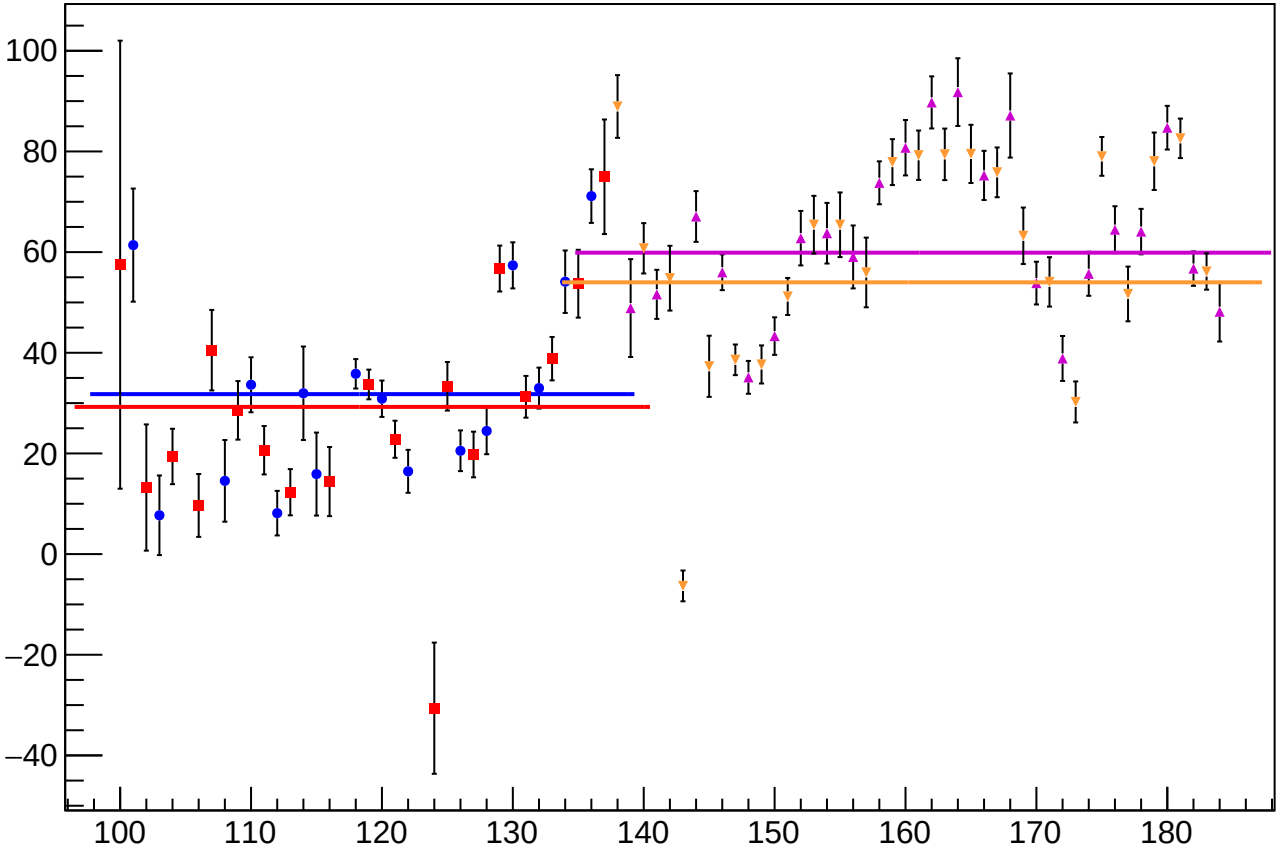
Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 196.161+/-0.818 χ^2/NDF:4630.3/38

Out: 182.098+/-0.787 χ^2/NDF:9170.0/42

All: 188.854+/-0.567 χ^2/NDF: 13953.7/81

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 59.887+/-0.977 χ^2/NDF:251.2/22

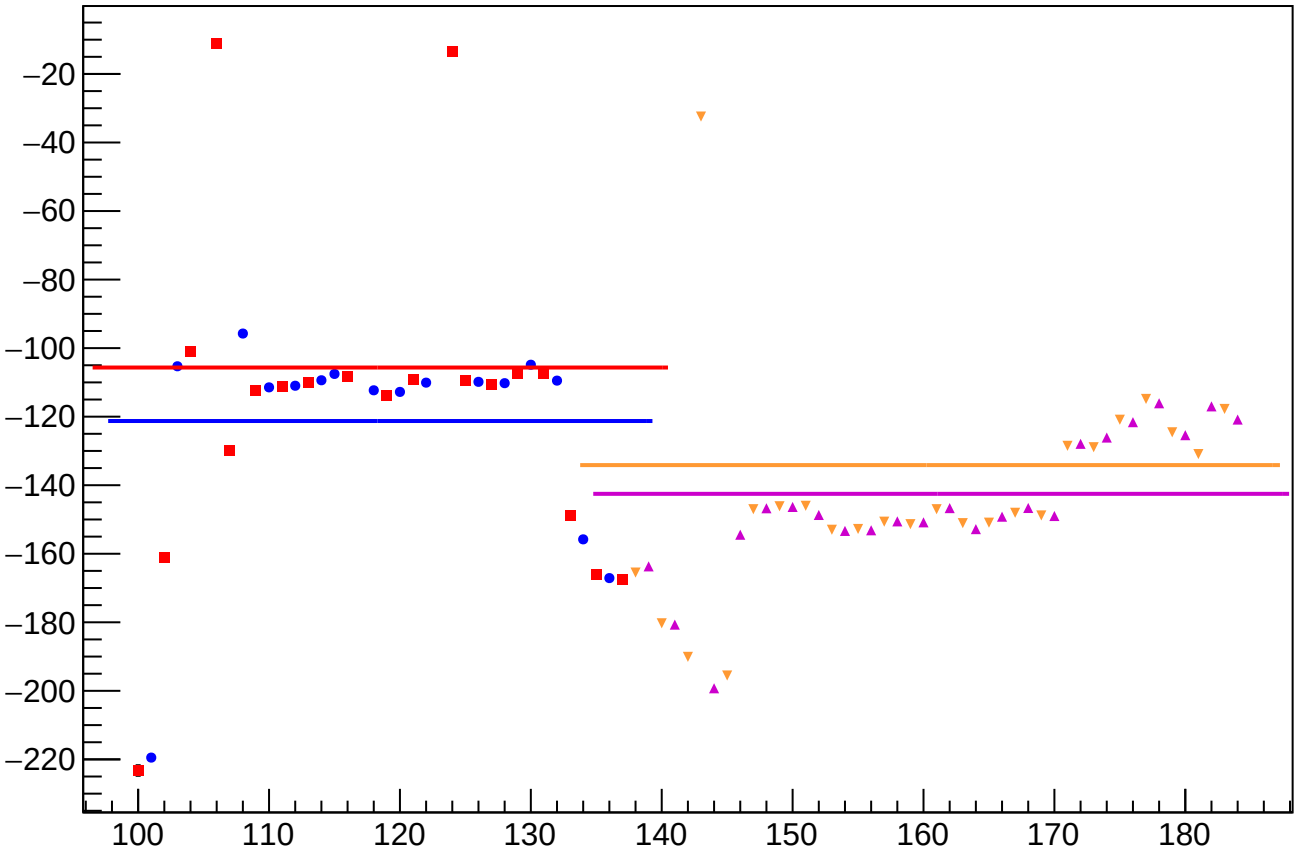
Left: 56.797+/-0.673 χ^2/NDF: 1019.9/46

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 48.870+/-0.762 χ^2/NDF:752.7/38

Out: 44.678+/-0.734 χ^2/NDF:1157.4/42

All: 46.697+/-0.529 χ^2/NDF: 1925.7/81



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: -142.518+/-0.044 χ^2/NDF:178481.1/22

Left: -138.226+/-0.031 χ^2/NDF: 868786.4/46

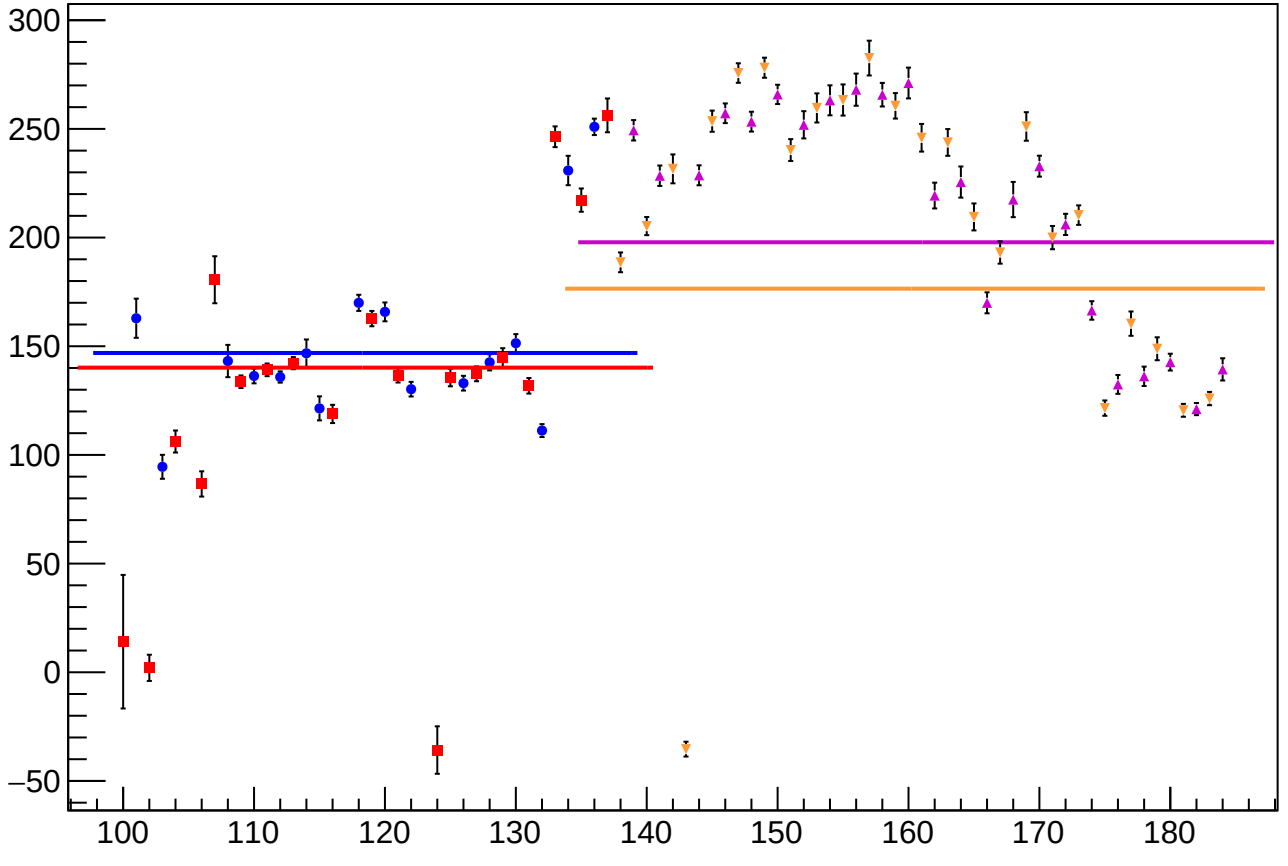
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -137.436+/-0.039 χ^2/NDF:352621.8/38

Out: -126.955+/-0.038 χ^2/NDF:1135800.1/42

All: -132.026+/-0.027 χ^2/NDF: 1526200.4/81

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 176.486+/-0.967 χ^2/NDF:7416.1/23

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

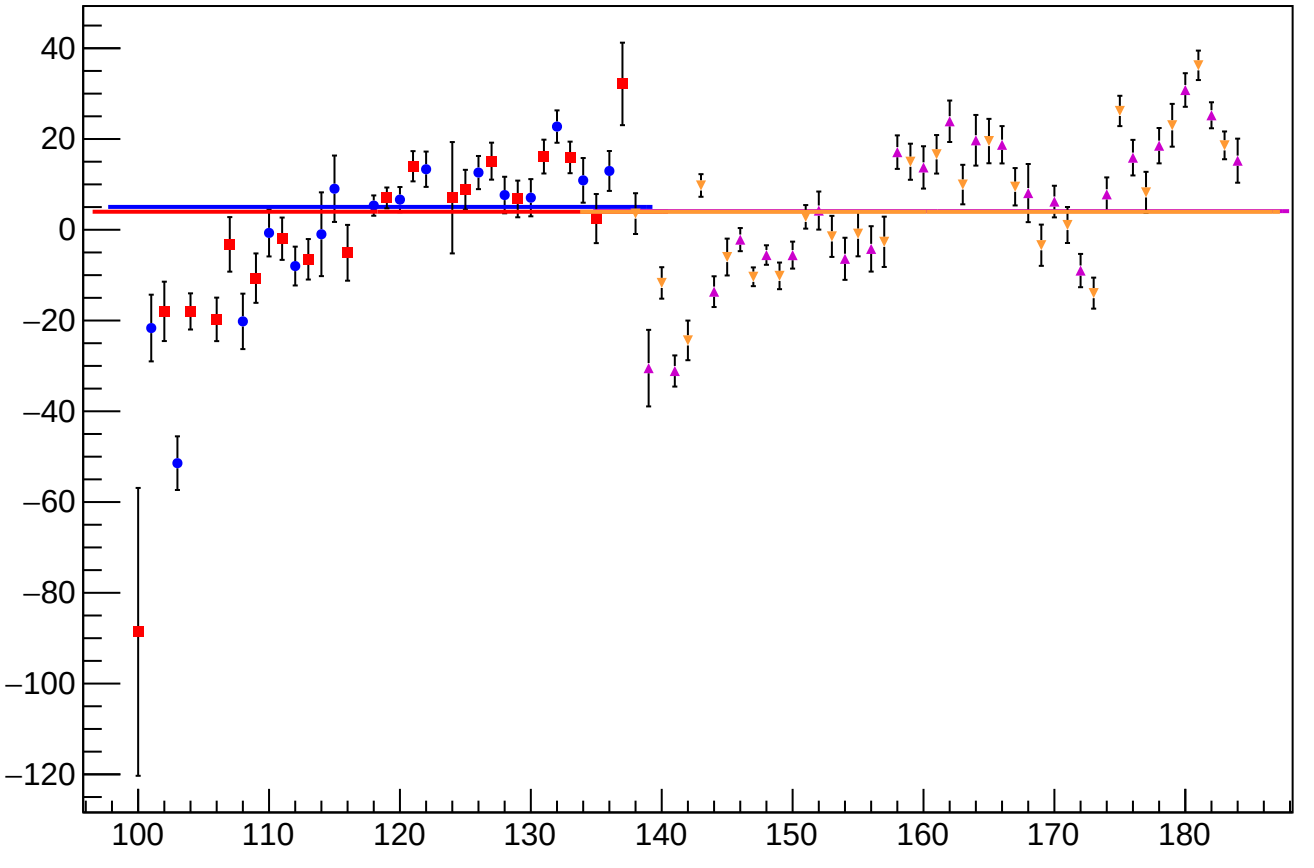
Left: 186.735+/-0.697 χ^2/NDF: 10618.0/46

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 172.295+/-0.710 χ^2/NDF:5554.4/38

Out: 158.187+/-0.681 χ^2/NDF:10077.6/42

All: 164.946+/-0.492 χ^2/NDF: 15837.5/81



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: 4.102+/-0.769 χ^2/NDF:398.9/22

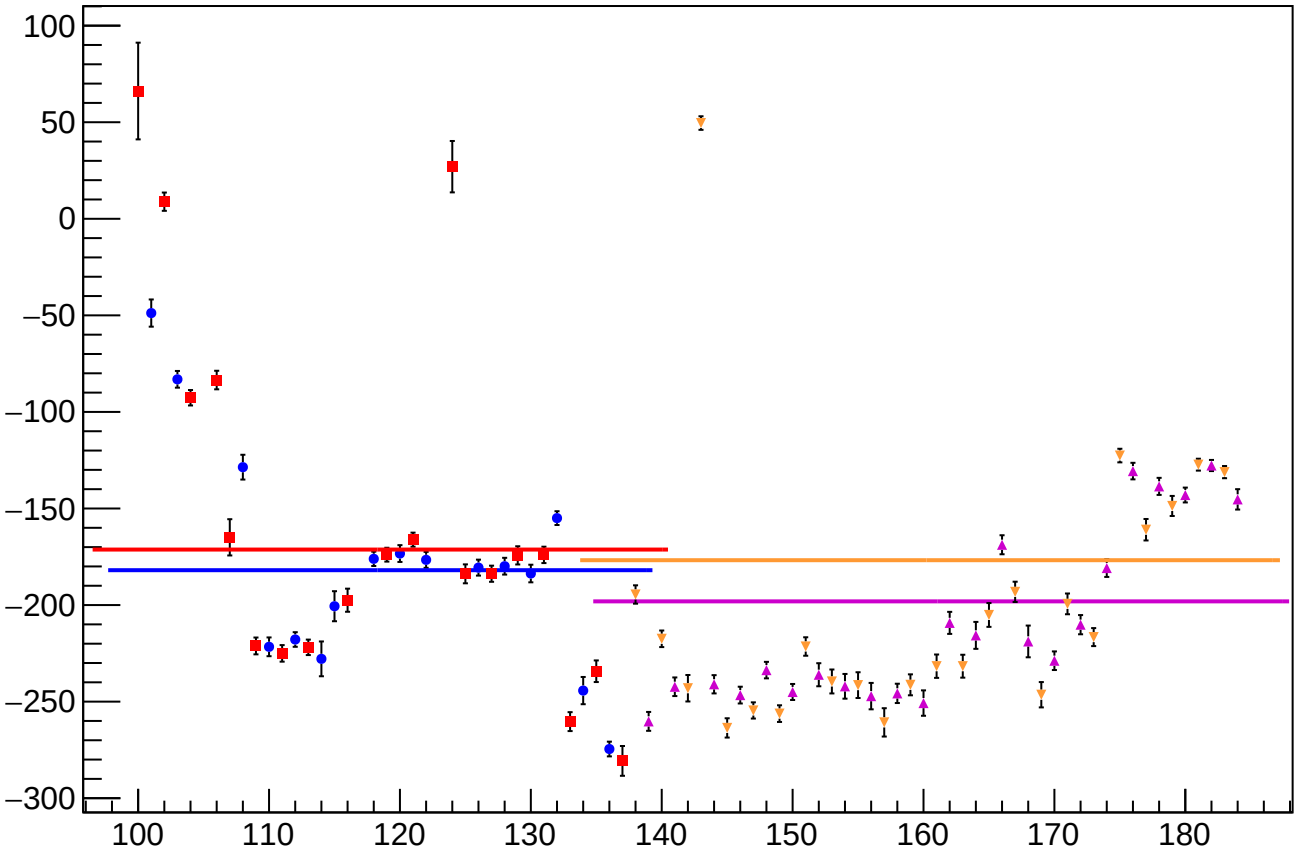
Left: 4.024+/-0.529 χ^2/NDF: 792.5/46

Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 4.441+/-0.614 χ^2/NDF:571.3/38

Out: 3.961+/-0.592 χ^2/NDF:538.4/42

All: 4.192+/-0.426 χ^2/NDF: 1110.1/81



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: -198.088+/-1.000 χ^2/NDF:2386.2/22

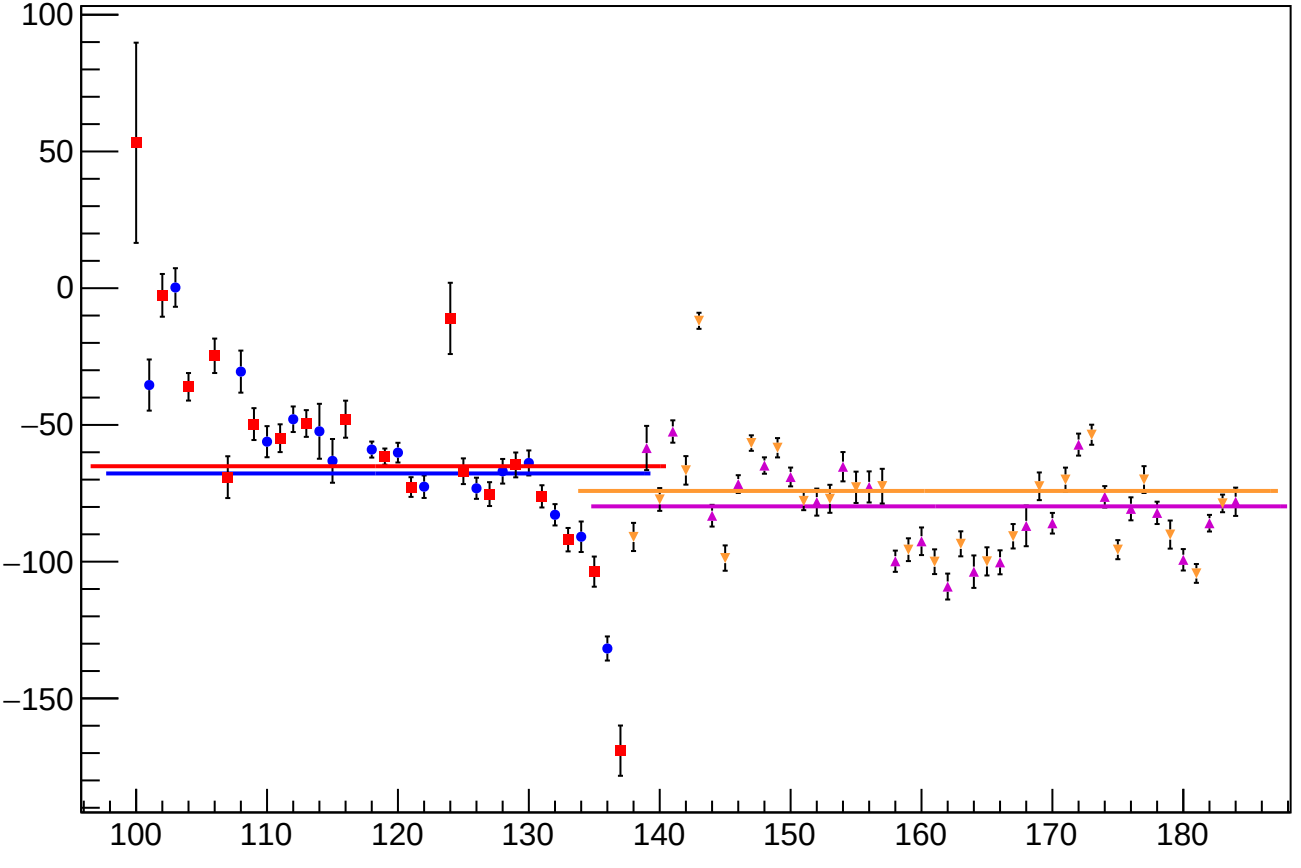
Left: -187.049+/-0.694 χ^2/NDF: 9646.1/46

Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -191.165+/-0.756 χ^2/NDF:4368.4/38

Out: -174.403+/-0.729 χ^2/NDF:10666.8/42

All: -182.477+/-0.525 χ^2/NDF: 15290.2/81



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: -79.777+/-0.874 χ^2/NDF:277.1/22

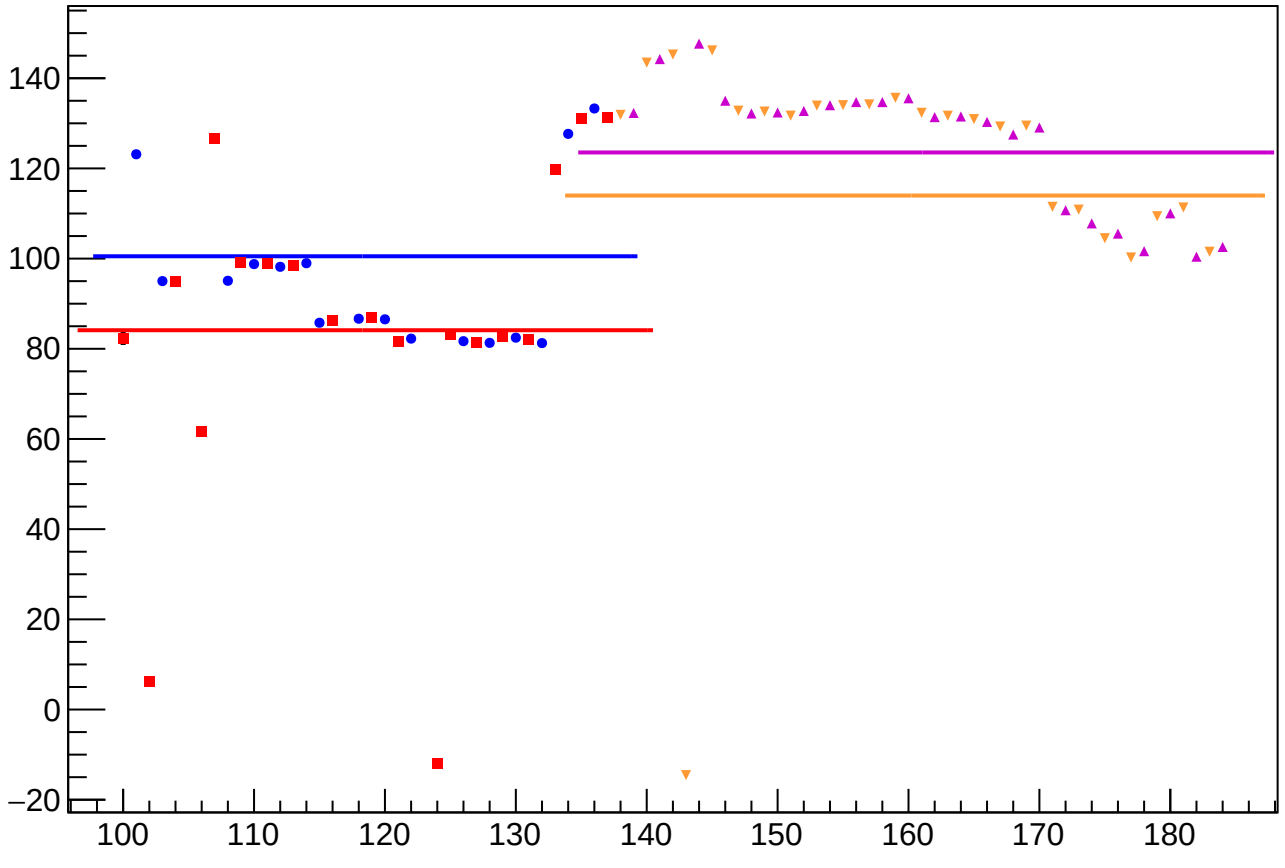
Left: -76.834+/-0.604 χ^2/NDF: 1123.4/46

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -75.520+/-0.703 χ^2/NDF:758.2/38

Out: -71.072+/-0.680 χ^2/NDF:1293.2/42

All: -73.222+/-0.489 χ^2/NDF: 2072.1/81



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: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.667+/-0.028 χ^2/NDF: 1125072.2/46

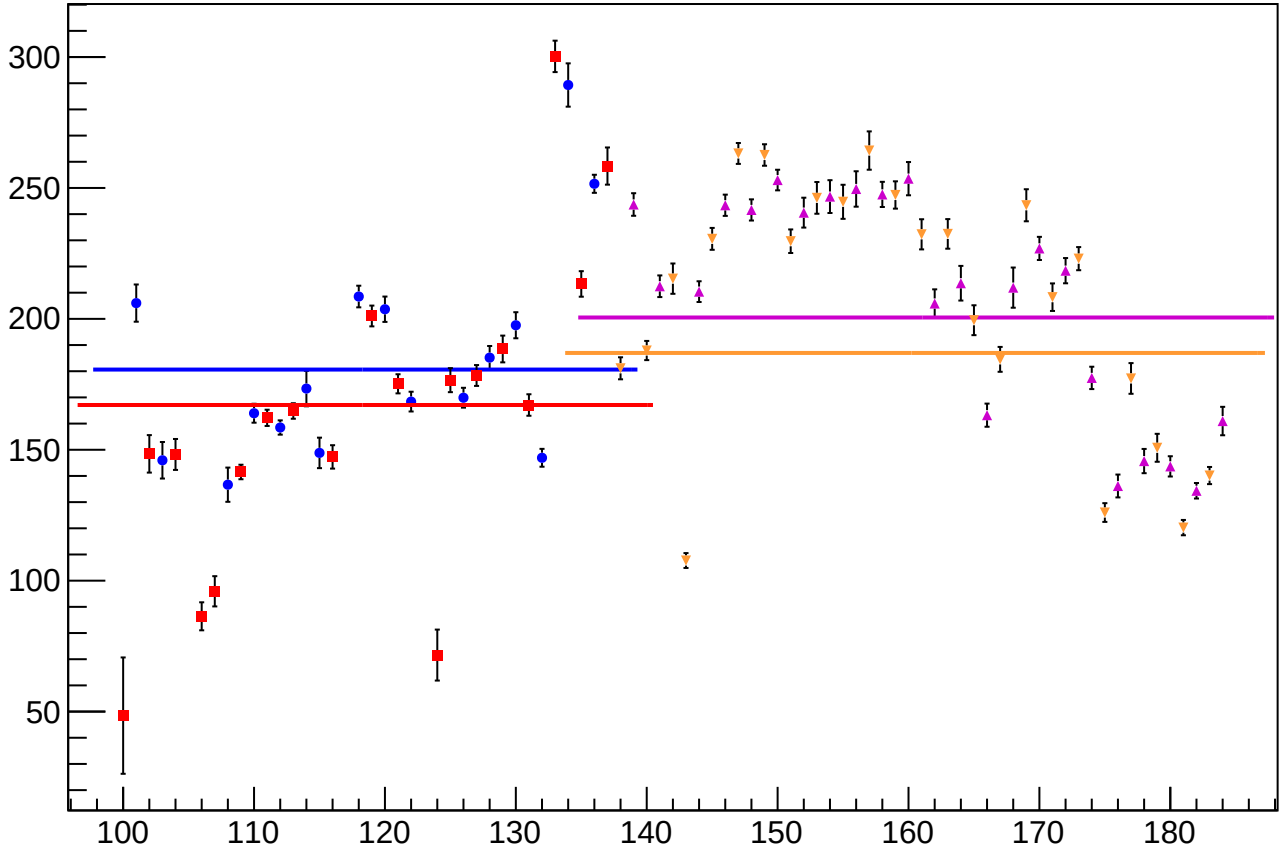
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 118.406+/-0.035 χ^2/NDF:277358.0/38

Out: 106.828+/-0.034 χ^2/NDF:1366234.2/42

All: 112.441+/-0.024 χ^2/NDF: 1700218.1/81

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: 200.521+/-0.955 χ^2/NDF:2111.4/22

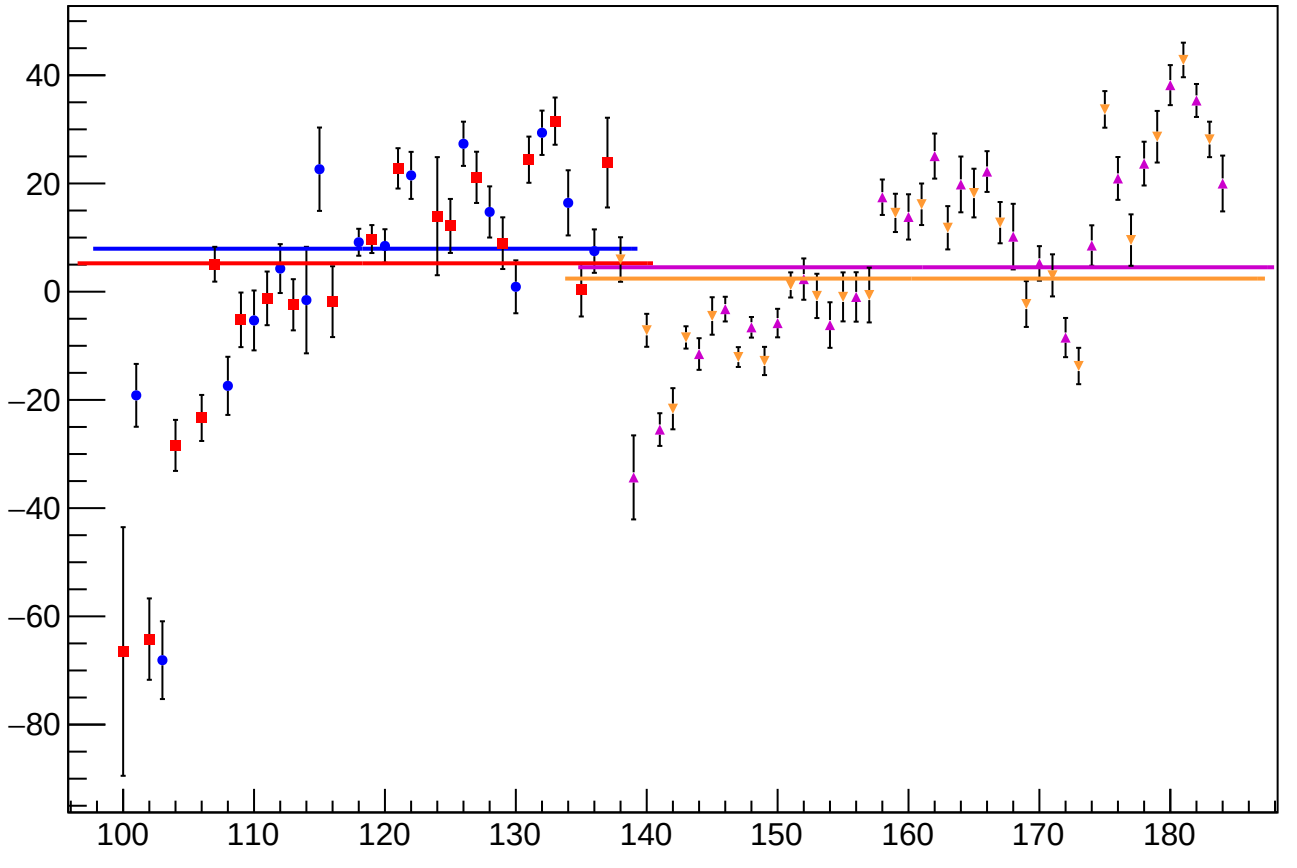
Left: 193.384+/-0.657 χ^2/NDF: 5706.4/46

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 191.881+/-0.718 χ^2/NDF:3293.2/38

Out: 178.239+/-0.677 χ^2/NDF:5186.0/42

All: 184.657+/-0.493 χ^2/NDF: 8670.3/81



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: 4.513+/-0.714 χ^2/NDF:547.1/22

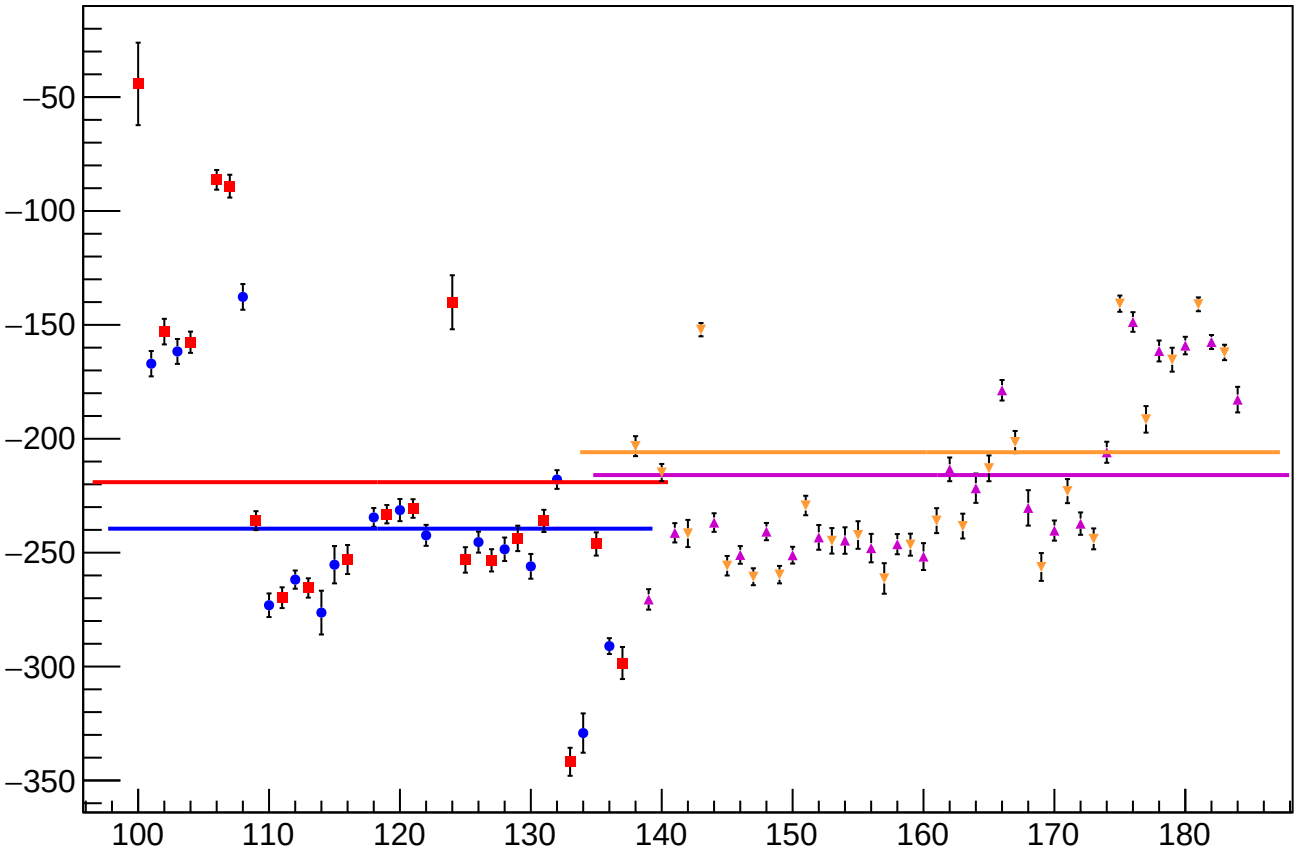
Left: 3.399+/-0.488 χ^2/NDF: 1146.3/46

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 5.512+/-0.601 χ^2/NDF:786.8/38

Out: 3.224+/-0.566 χ^2/NDF:902.6/42

All: 4.299+/-0.412 χ^2/NDF: 1697.1/81



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: -215.938+/-0.946 χ^2/NDF:1711.9/22

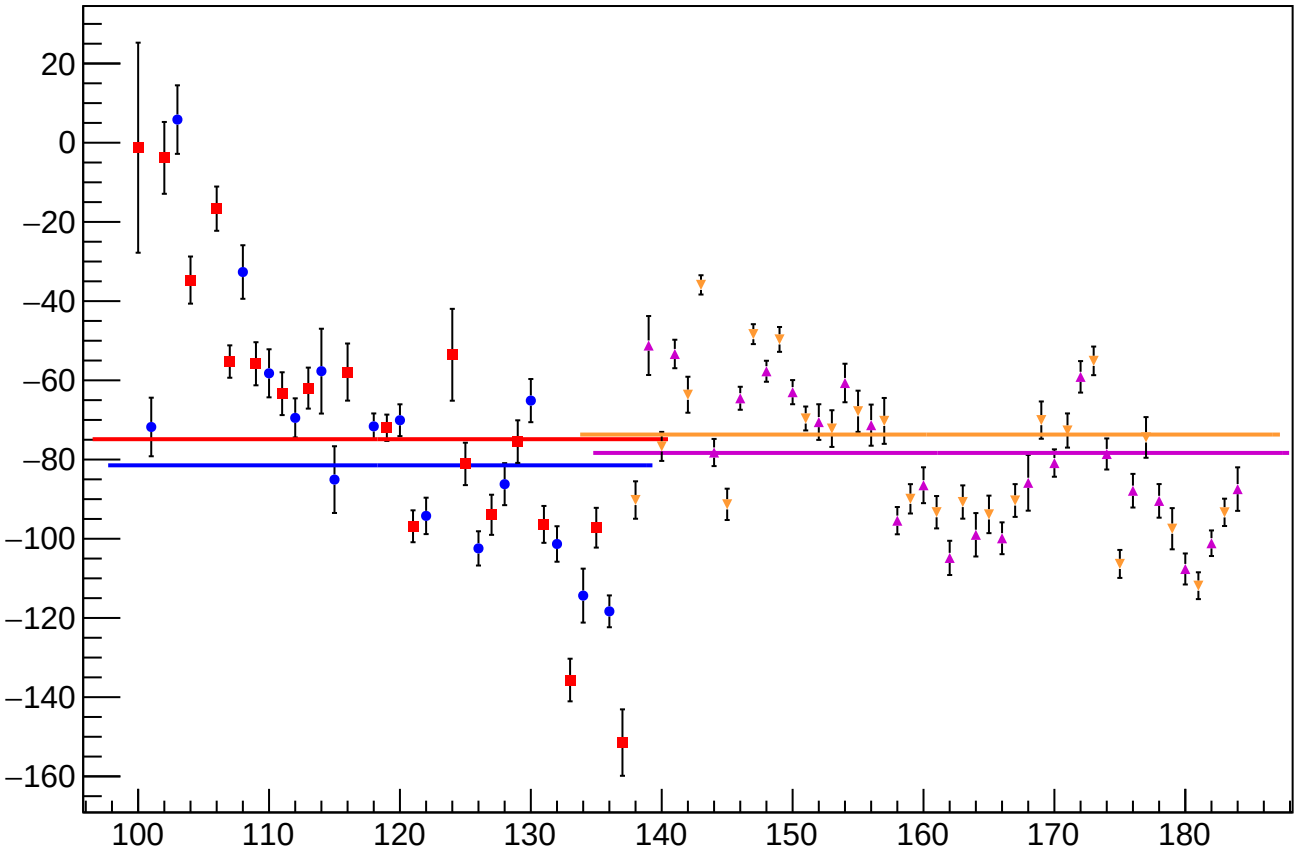
Left: -210.669+/-0.652 χ^2/NDF: 4192.4/46

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -224.549+/-0.753 χ^2/NDF:3100.5/38

Out: -210.758+/-0.715 χ^2/NDF:5549.5/42

All: -217.296+/-0.519 χ^2/NDF: 8826.3/81



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: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.877+/-0.561 χ^2/NDF: 1288.3/46

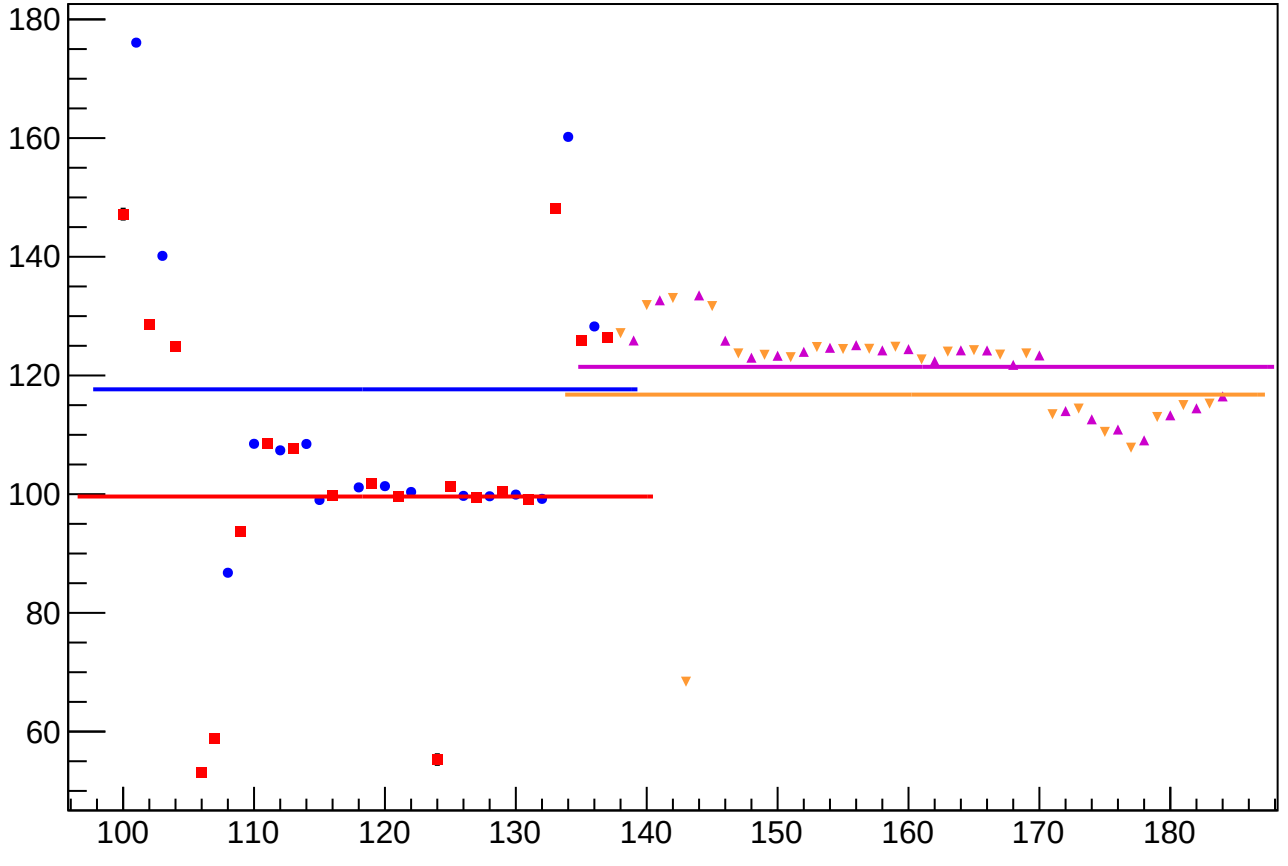
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -79.230+/-0.690 χ^2/NDF:814.0/38

Out: -74.020+/-0.654 χ^2/NDF:1405.3/42

All: -76.486+/-0.475 χ^2/NDF: 2249.3/81

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.778+/-0.036 χ^2/NDF:203594.7/23

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

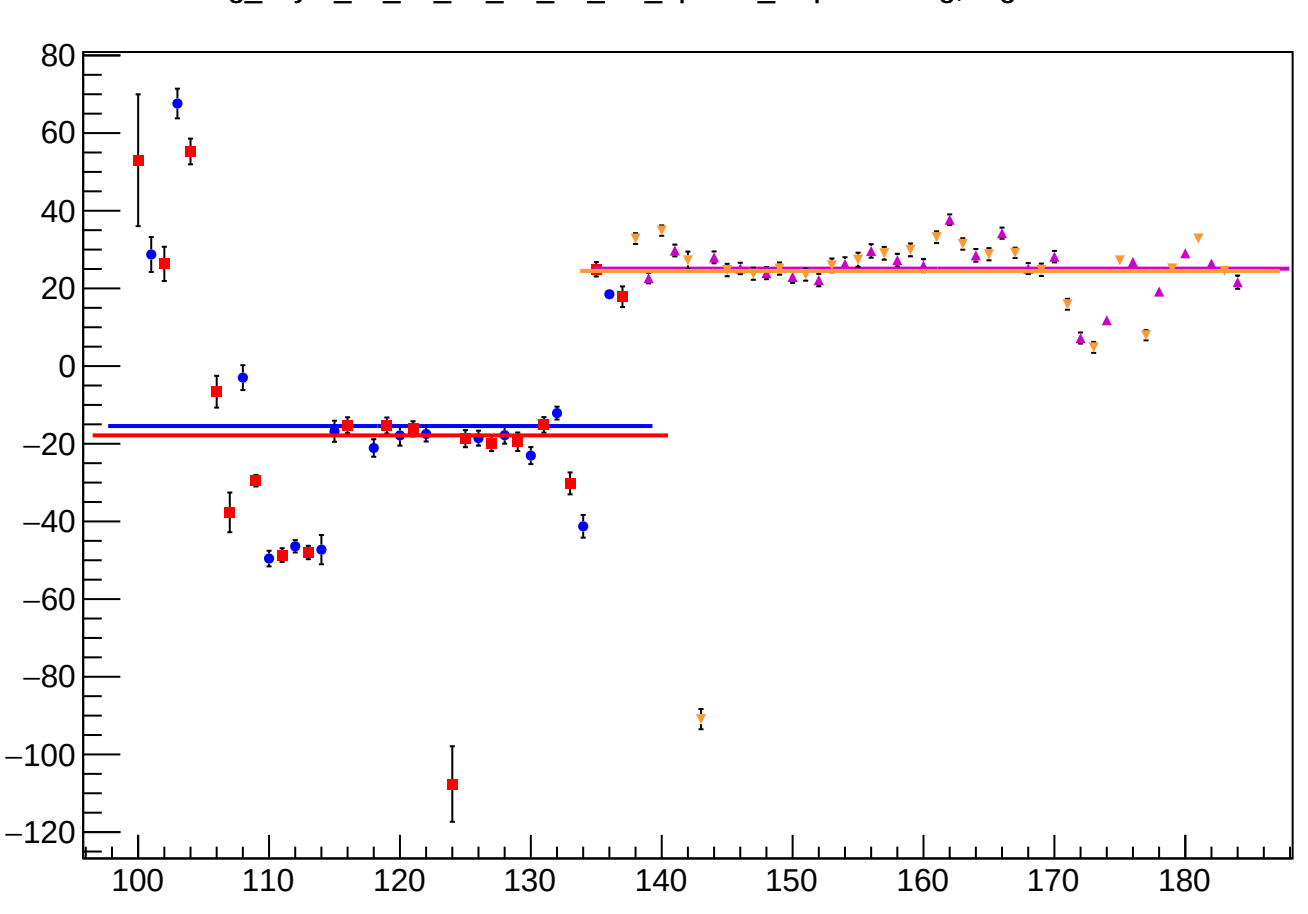
Left: 119.046+/-0.026 χ^2/NDF: 240502.8/46

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 120.755+/-0.034 χ^2/NDF:126104.8/38

Out: 113.184+/-0.032 χ^2/NDF:417016.6/42

All: 116.798+/-0.023 χ^2/NDF: 569575.6/81



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: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.793+/-0.202 χ^2/NDF: 3131.9/46

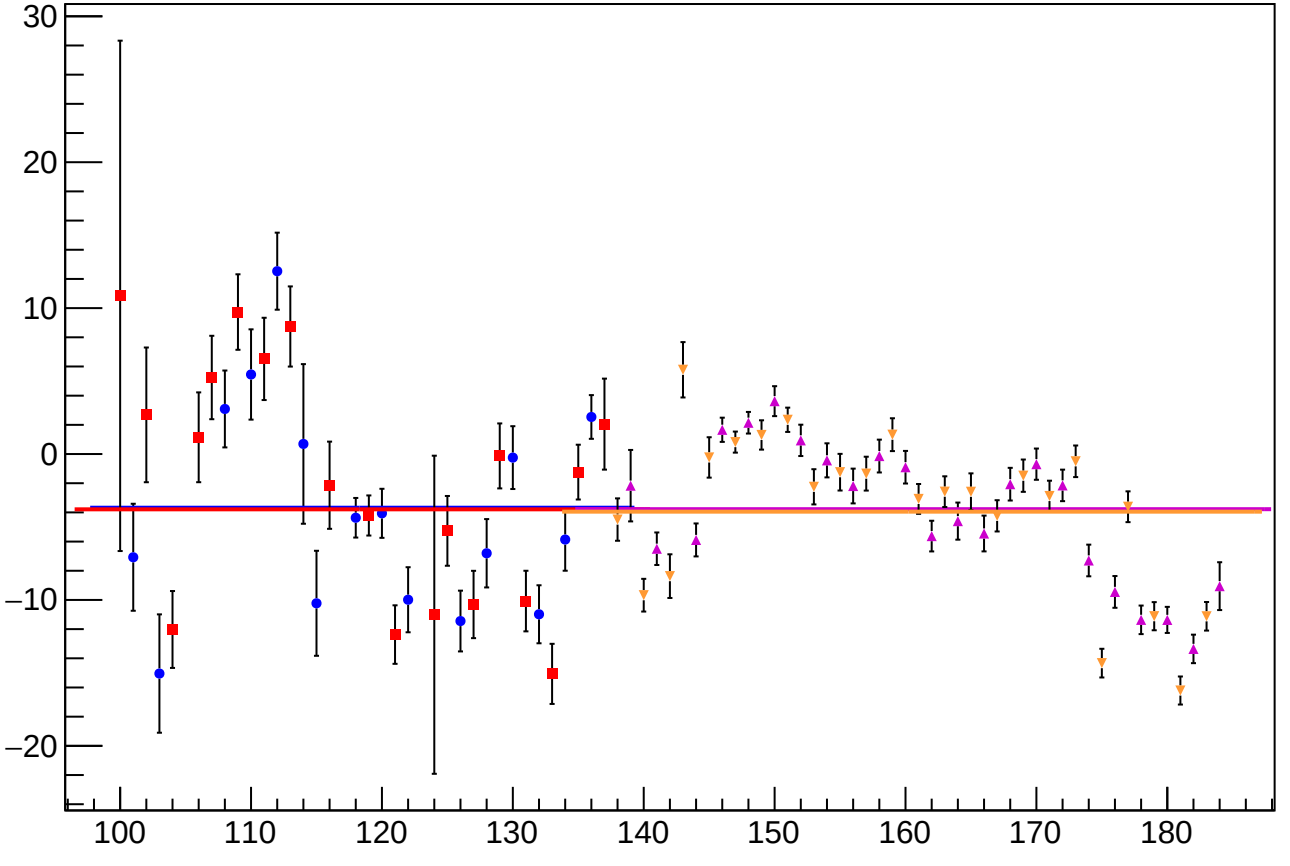
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 16.128+/-0.253 χ^2/NDF:7022.1/38

Out: 15.024+/-0.251 χ^2/NDF:9722.7/42

All: 15.569+/-0.178 χ^2/NDF: 16754.4/81

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.866+/-0.157 χ^2/NDF: 1143.3/46

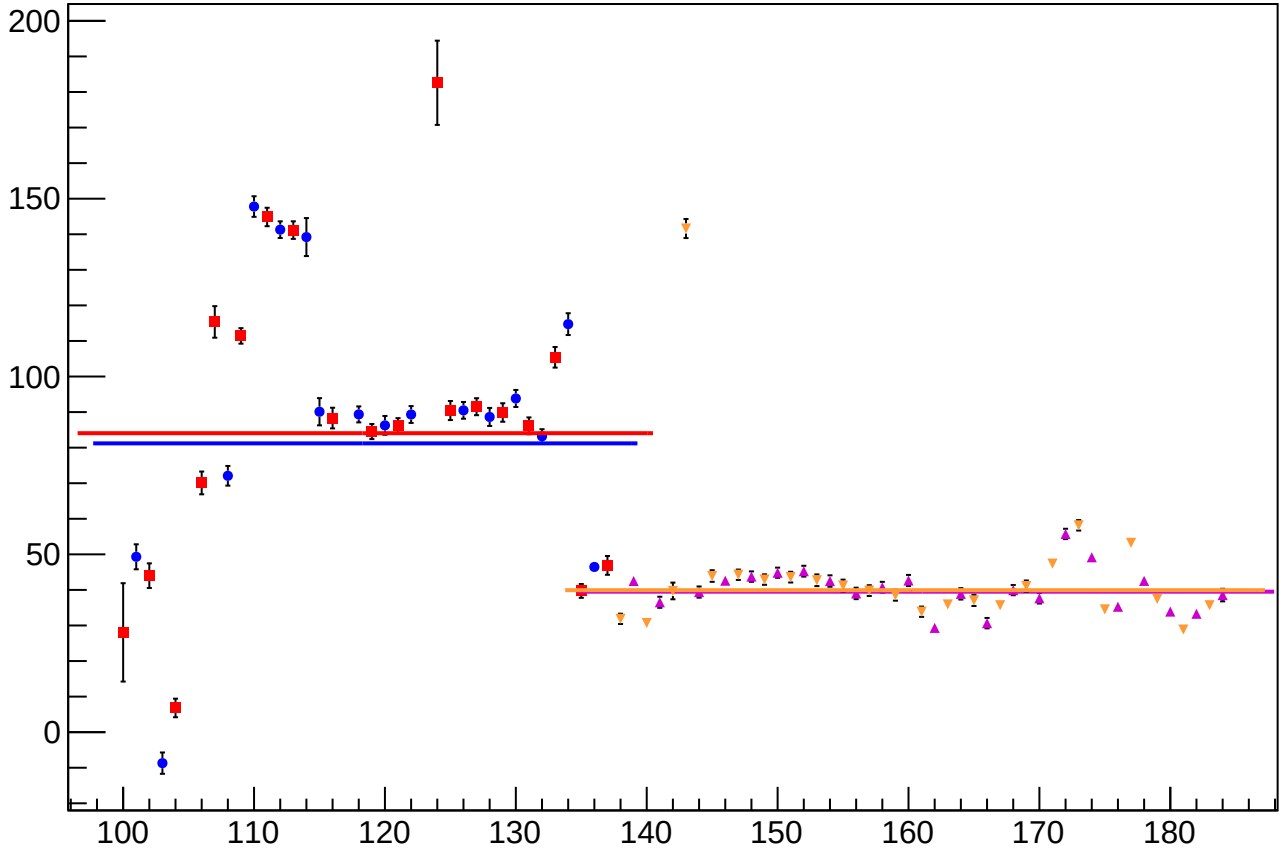
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.766+/-0.207 χ^2/NDF:633.8/38

Out: -3.928+/-0.204 χ^2/NDF:794.4/42

All: -3.848+/-0.146 χ^2/NDF: 1428.6/81

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 39.927+/-0.282 χ^2/NDF:2061.8/23

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

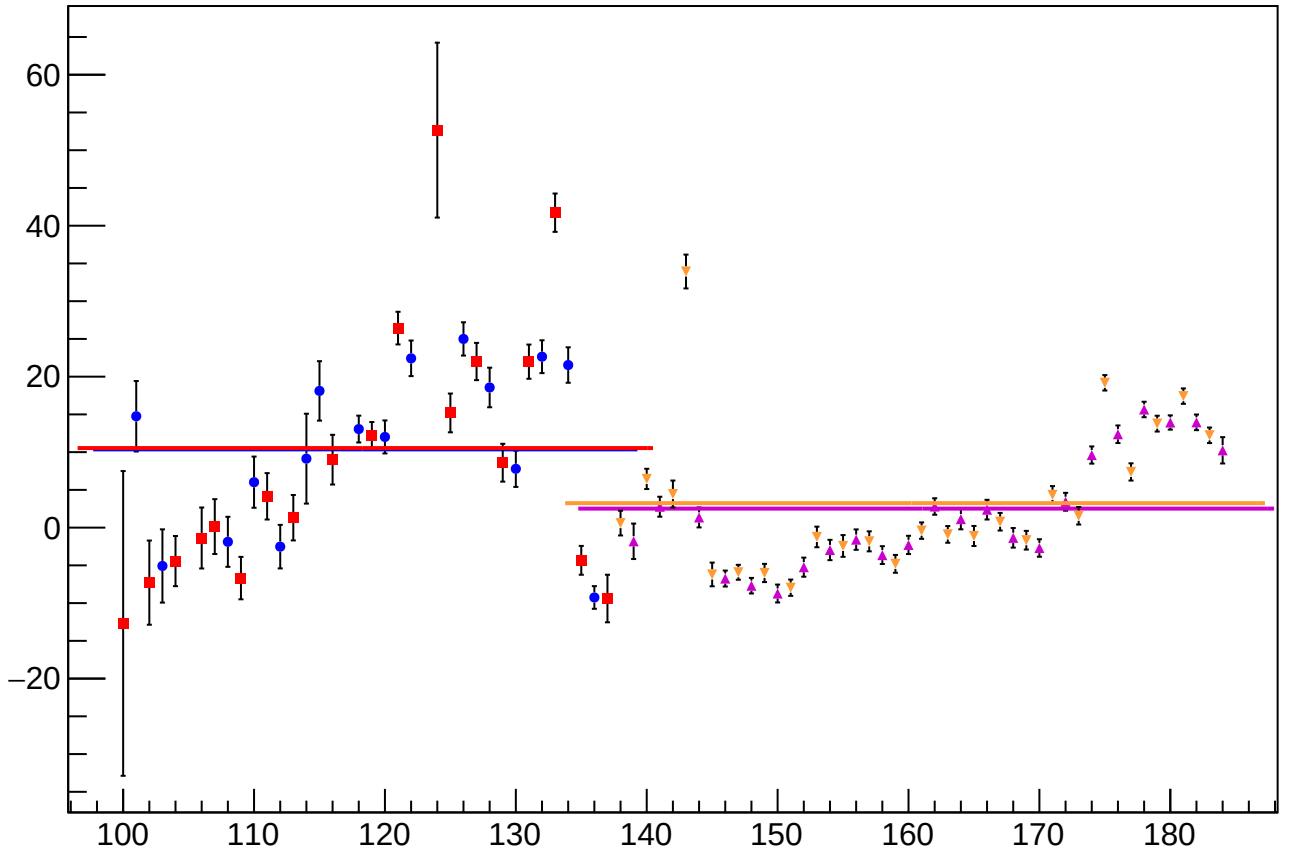
Left: 39.717+/-0.200 χ^2/NDF: 2495.0/46

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 47.023+/-0.258 χ^2/NDF:7530.2/38

Out: 47.586+/-0.257 χ^2/NDF:9507.7/42

All: 47.305+/-0.182 χ^2/NDF: 17040.3/81



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: 2.519+/-0.251 χ^2/NDF:968.2/22

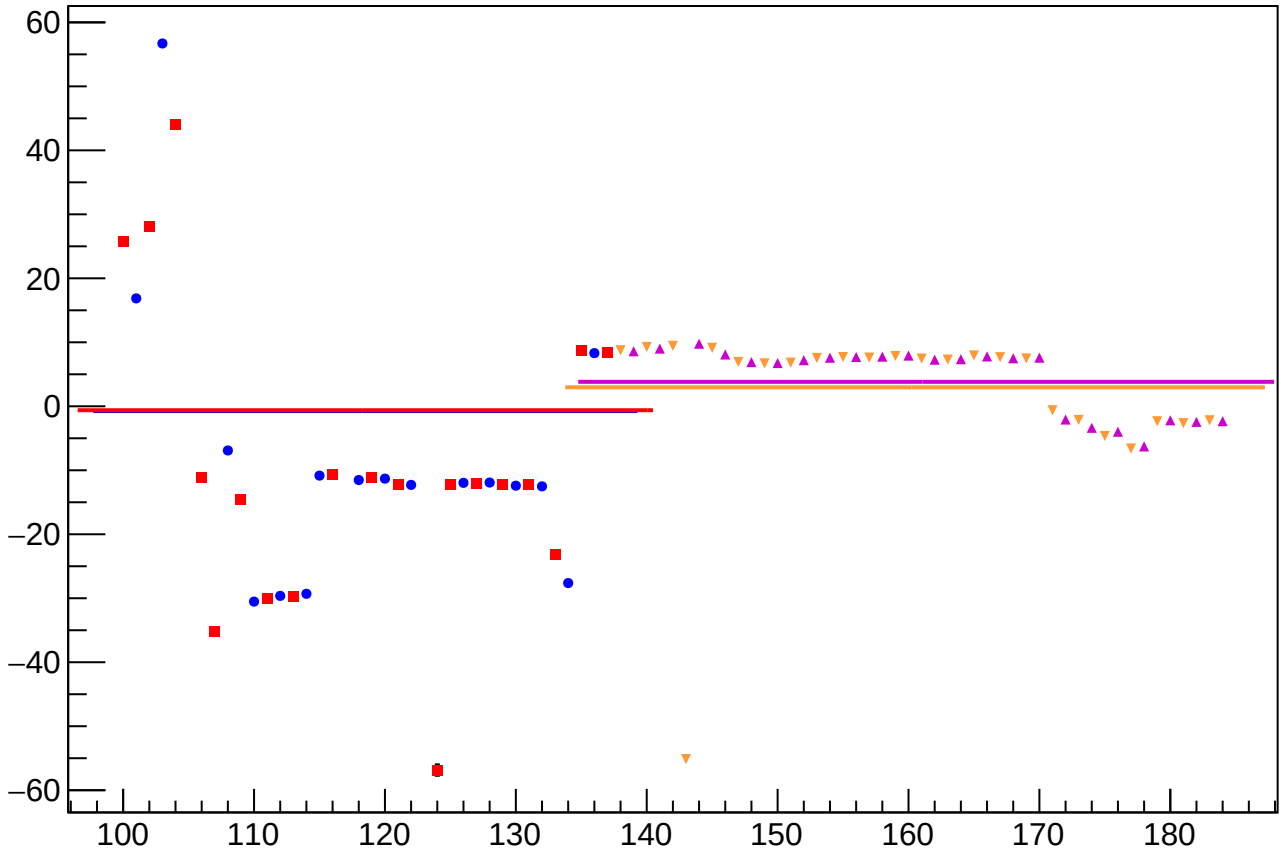
Left: 2.886+/-0.176 χ^2/NDF: 2228.8/46

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 3.604+/-0.233 χ^2/NDF:1463.2/38

Out: 4.190+/-0.231 χ^2/NDF:1840.1/42

All: 3.900+/-0.164 χ^2/NDF: 3306.5/81



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: 3.825+/-0.011 χ^2/NDF:233224.7/22

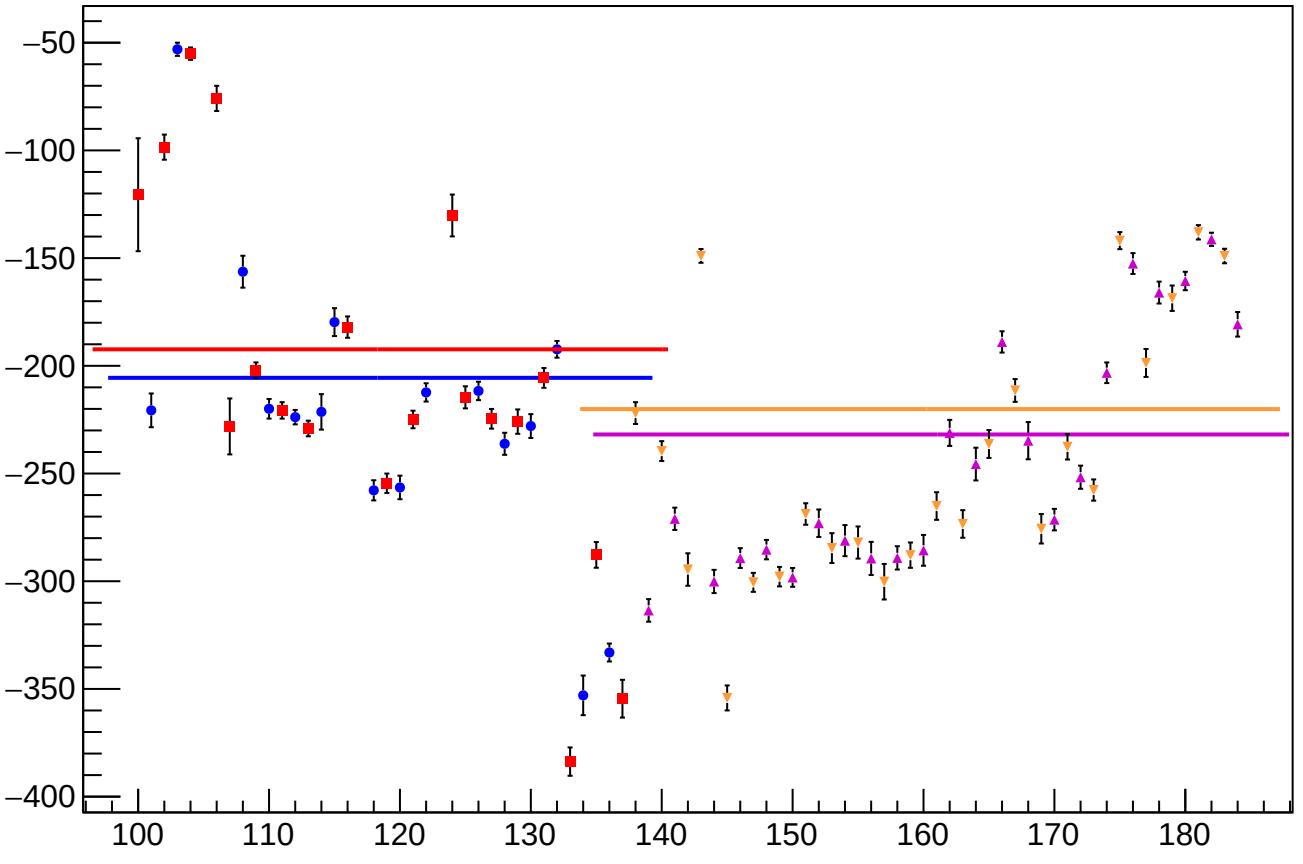
Left: 3.396+/-0.008 χ^2/NDF: 744826.7/46

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 3.426+/-0.011 χ^2/NDF:616025.6/38

Out: 2.676+/-0.011 χ^2/NDF:833577.3/42

All: 3.052+/-0.008 χ^2/NDF: 1452096.6/81



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: -231.871+/-1.077 χ^2/NDF:3160.3/22

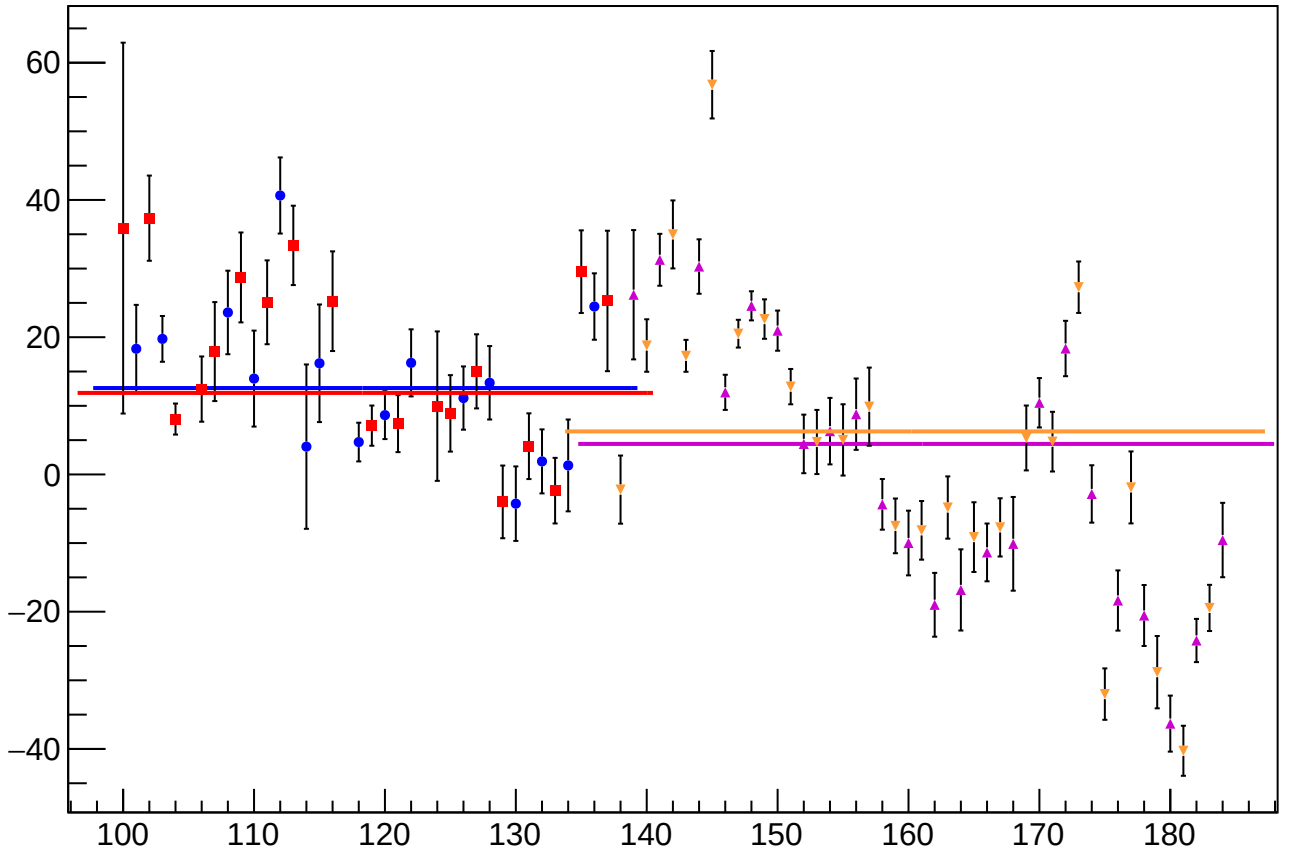
Left: -225.703+/-0.743 χ^2/NDF: 7254.3/46

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

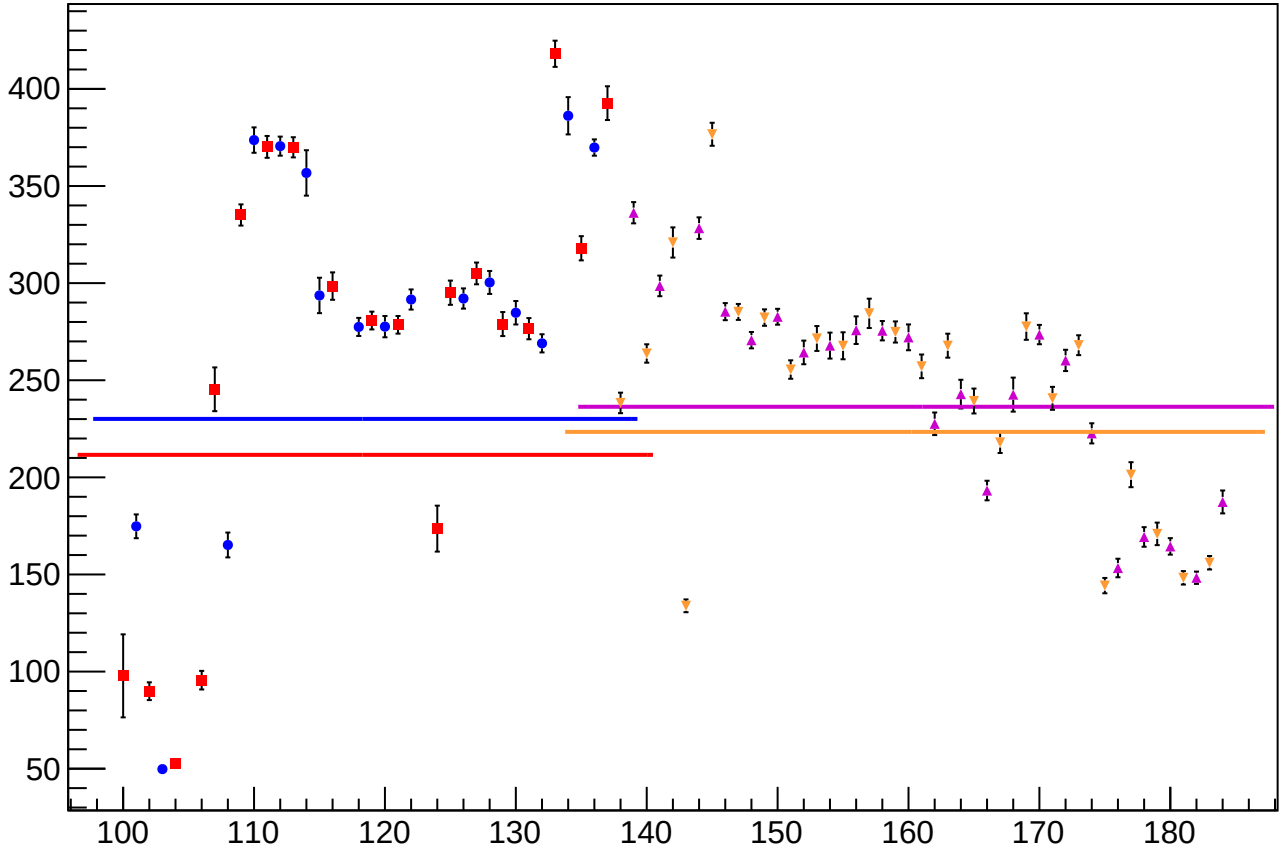
In: -219.974+/-0.797 χ^2/NDF:7486.1/38

Out: -207.439+/-0.758 χ^2/NDF:9333.5/42

All: -213.393+/-0.549 χ^2/NDF: 16949.5/81


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
Right In: 12.592+/-1.203 χ²/NDF: 68.5/15
Left Out: 6.270+/-0.758 χ²/NDF:717.4/23
Right Out: 11.880+/-1.122 χ²/NDF: 84.9/18
Left In: 4.447+/-0.807 χ²/NDF:567.1/22
Left: 5.416+/-0.552 χ²/NDF: 1287.1/46
Right: 12.211+/-0.820 χ²/NDF: 153.6/34
In: 6.976+/-0.670 χ²/NDF:667.2/38
Out: 8.028+/-0.628 χ²/NDF:819.5/42
All: 7.536+/-0.458 χ²/NDF: 1488.0/81

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: 236.342+/-1.066 χ^2/NDF:2992.9/22

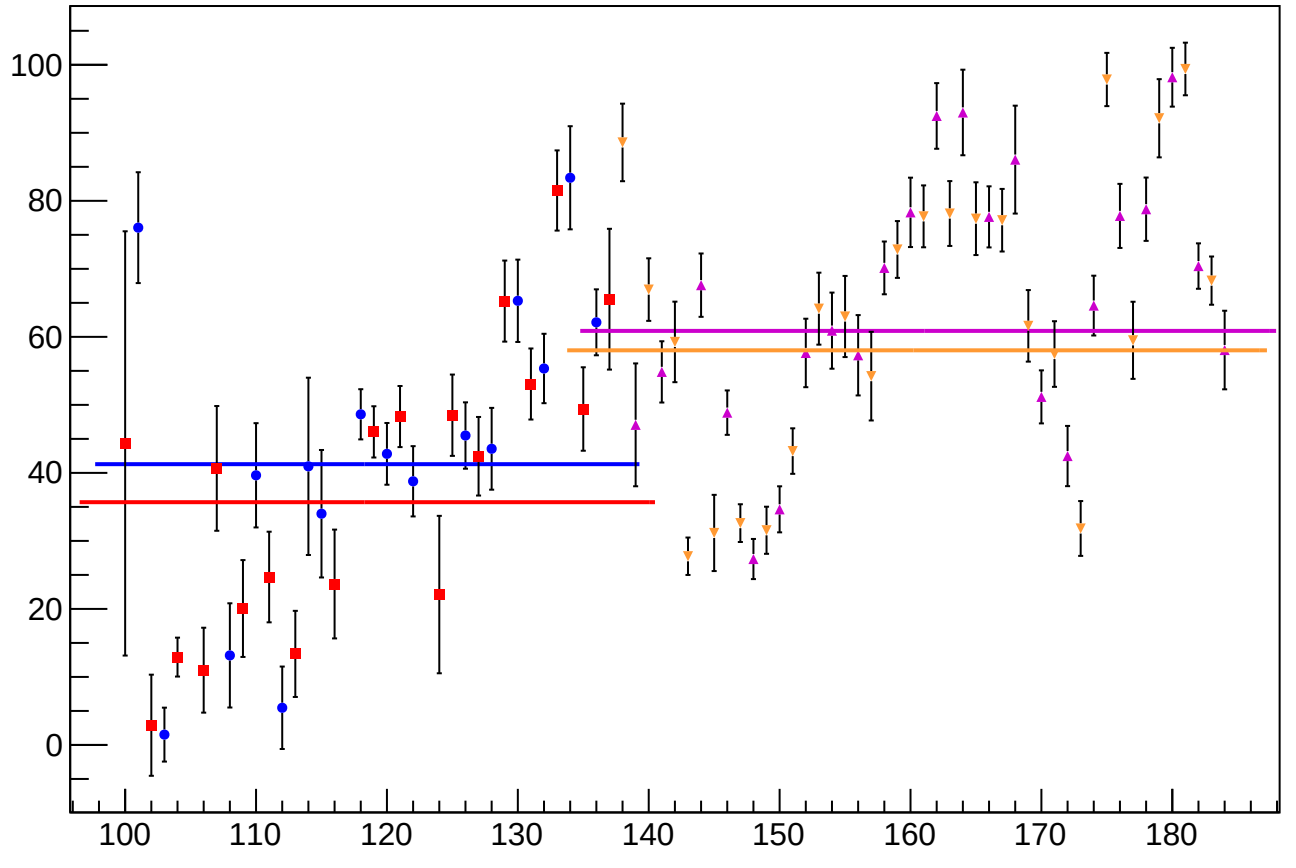
Left: 229.608+/-0.738 χ^2/NDF: 7008.0/46

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 233.734+/-0.814 χ^2/NDF:12382.9/38

Out: 218.422+/-0.777 χ^2/NDF:15467.3/42

All: 225.721+/-0.562 χ^2/NDF: 28035.4/81



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: 60.877+/-0.923 χ^2/NDF:454.7/22

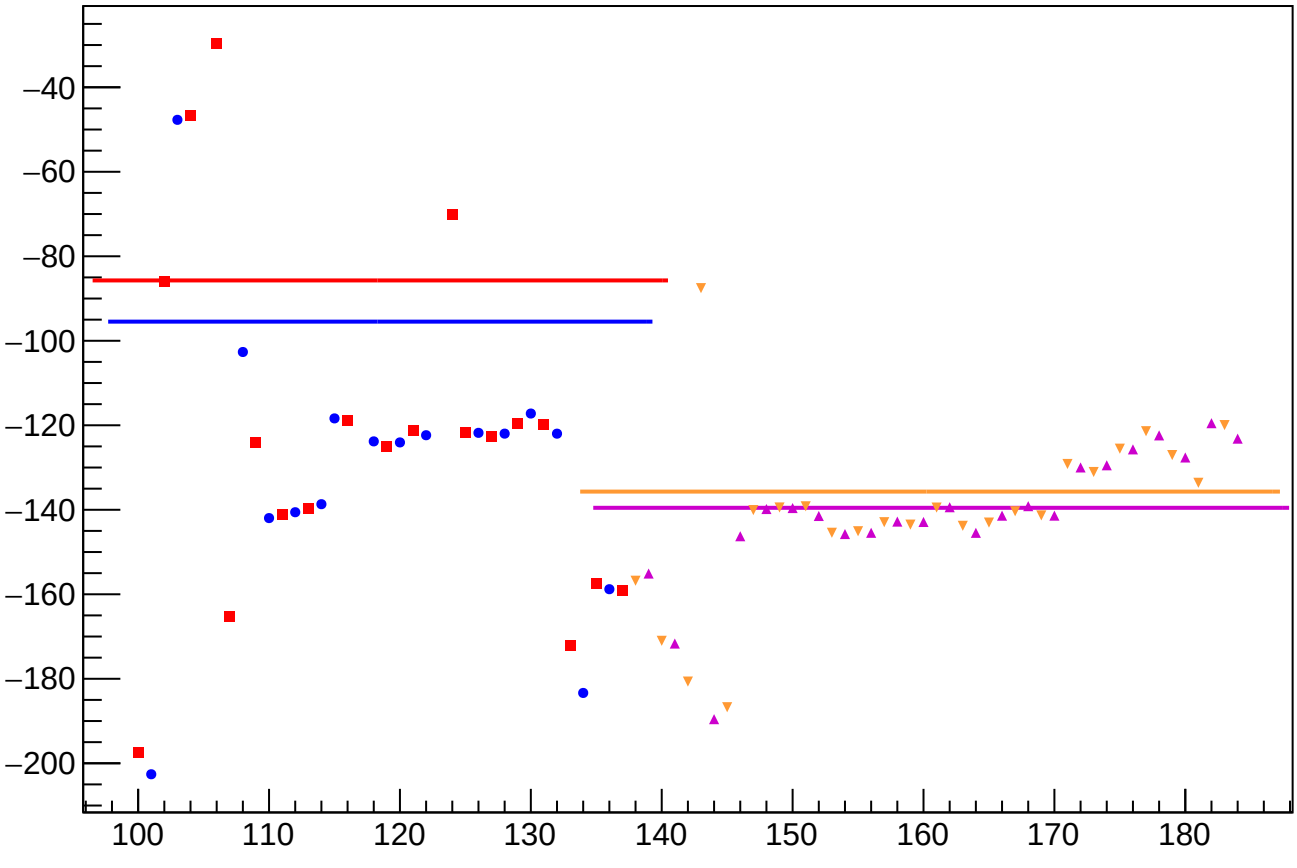
Left: 59.373+/-0.635 χ^2/NDF: 1184.3/46

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 54.929+/-0.770 χ^2/NDF:837.4/38

Out: 51.182+/-0.729 χ^2/NDF:1177.2/42

All: 52.953+/-0.529 χ^2/NDF: 2027.1/81



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: -139.533+/-0.042 χ^2/NDF:114482.7/22

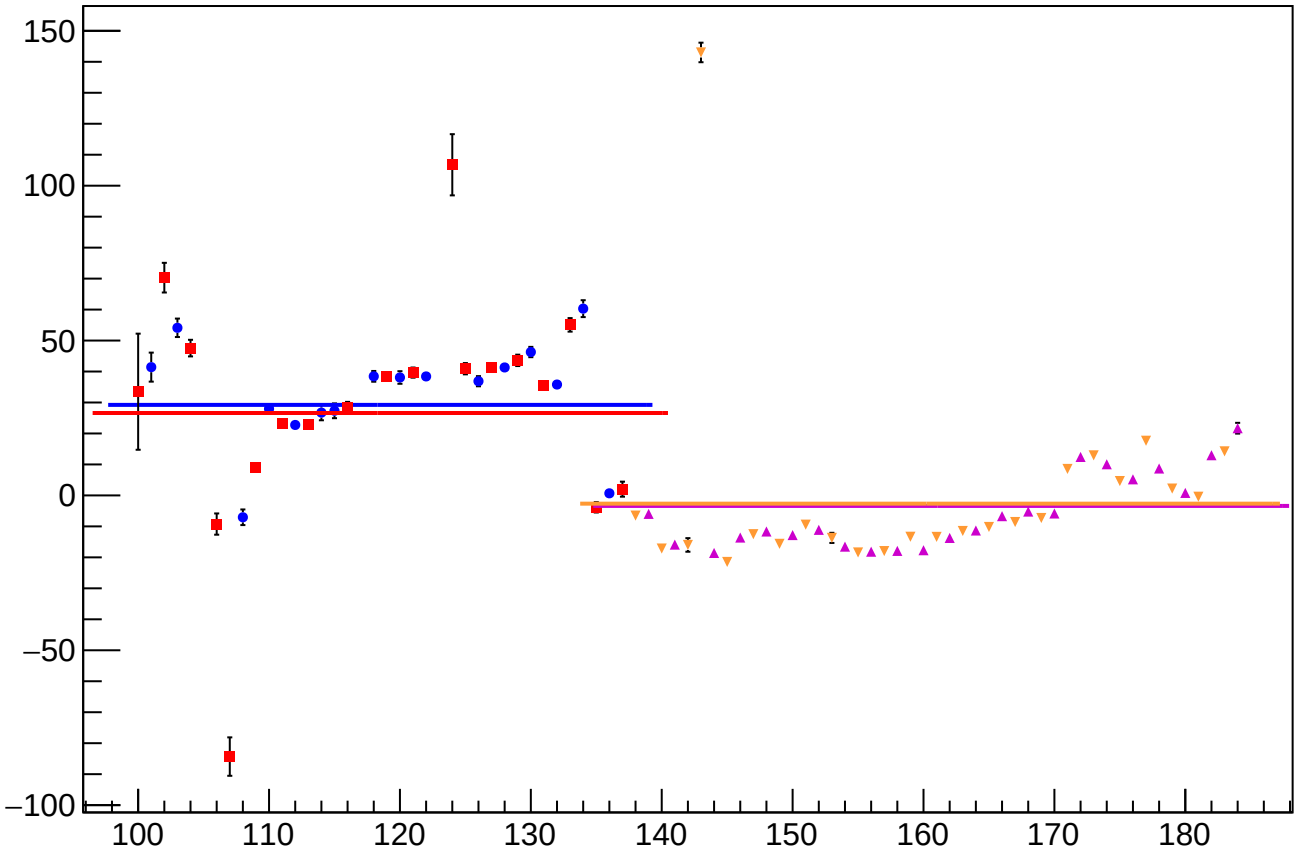
Left: -137.565+/-0.029 χ^2/NDF: 377697.0/46

Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -127.688+/-0.036 χ^2/NDF:928776.2/38

Out: -122.039+/-0.035 χ^2/NDF:1146569.1/42

All: -124.783+/-0.025 χ^2/NDF: 2088002.7/81



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: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -3.024+/-0.191 χ^2/NDF: 5650.4/46

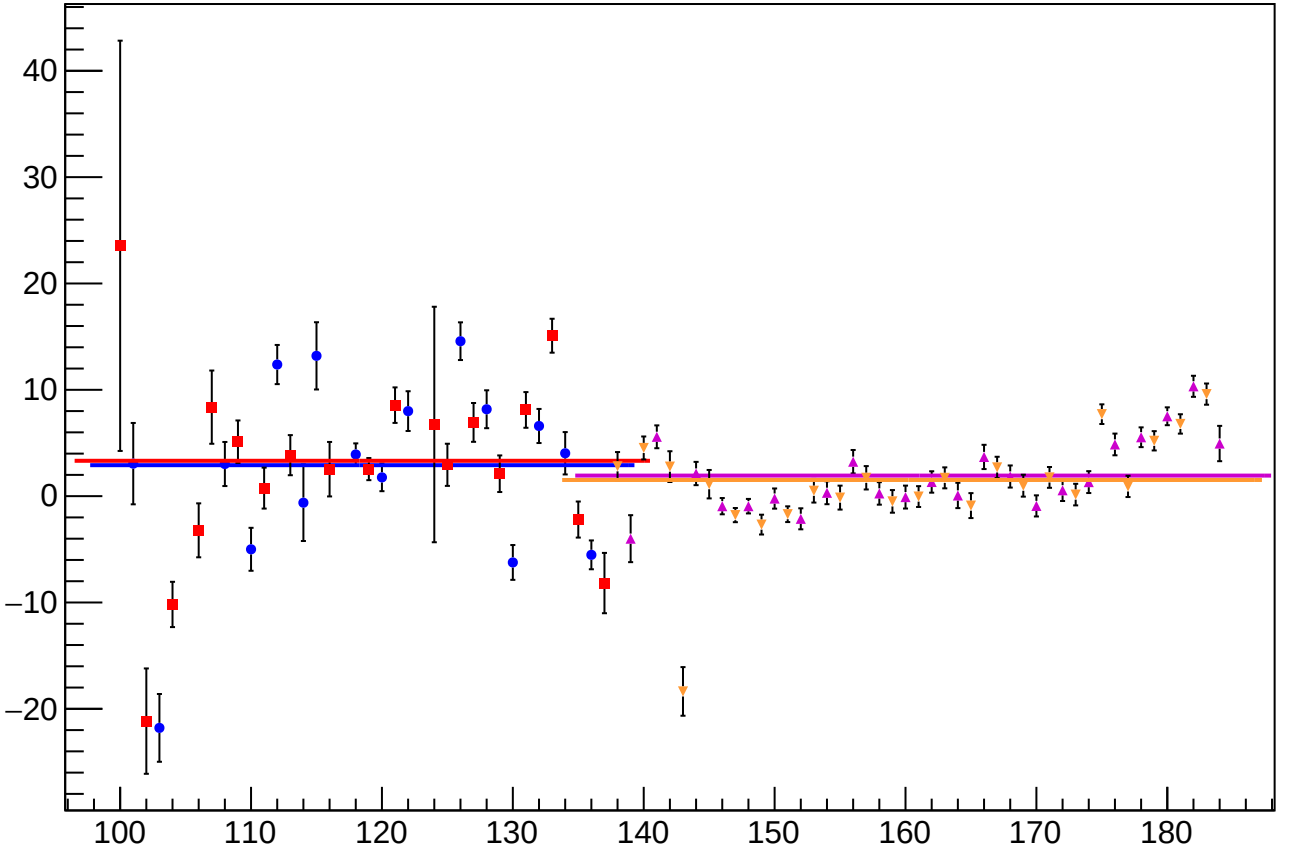
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 6.075+/-0.229 χ^2/NDF:7291.5/38

Out: 6.013+/-0.225 χ^2/NDF:9330.6/42

All: 6.044+/-0.161 χ^2/NDF: 16622.1/81

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: 1.933+/-0.210 χ^2/NDF:240.7/22

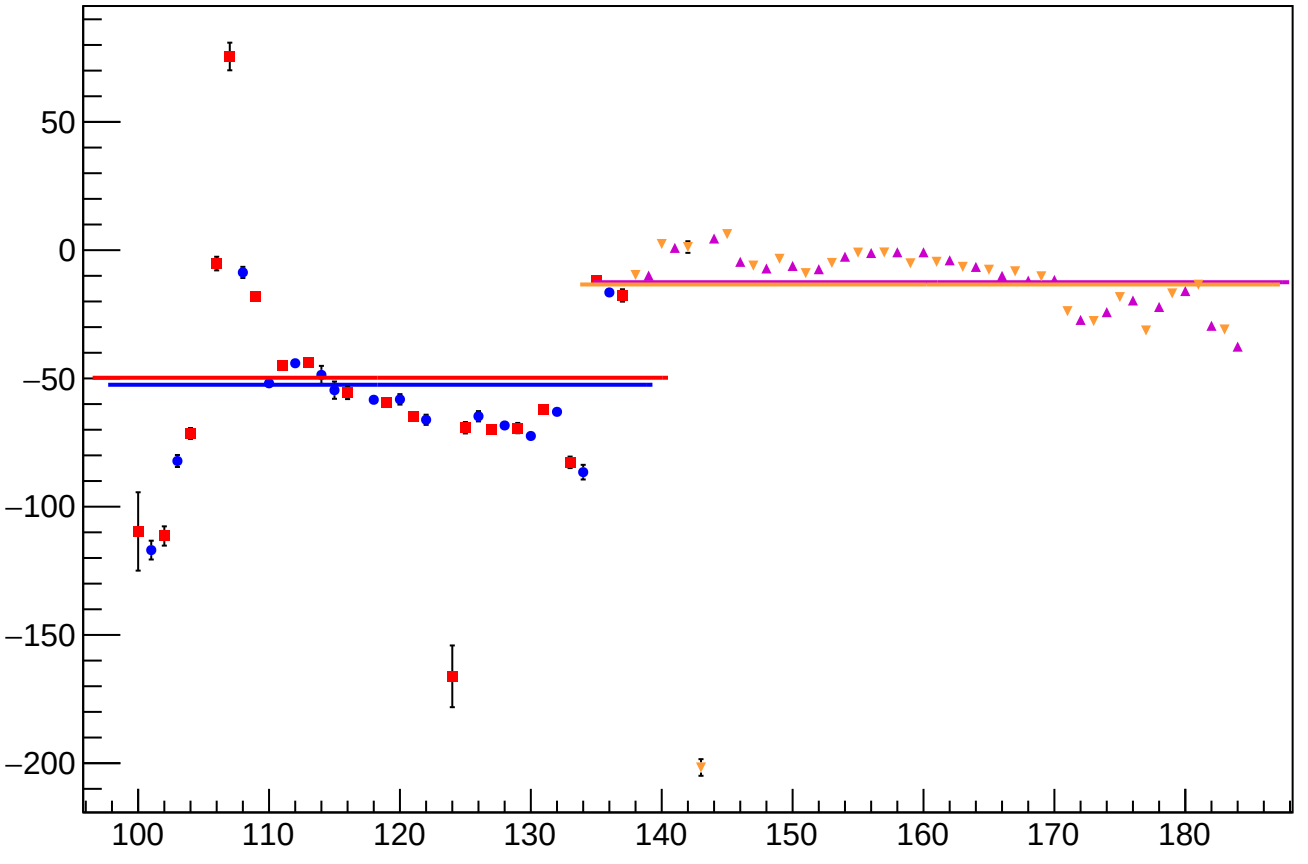
Left: 1.723+/-0.147 χ^2/NDF: 569.2/46

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 2.114+/-0.190 χ^2/NDF:494.6/38

Out: 1.830+/-0.188 χ^2/NDF:521.4/42

All: 1.970+/-0.134 χ^2/NDF: 1017.2/81



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: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -12.938+/-0.189 χ^2/NDF: 6268.0/46

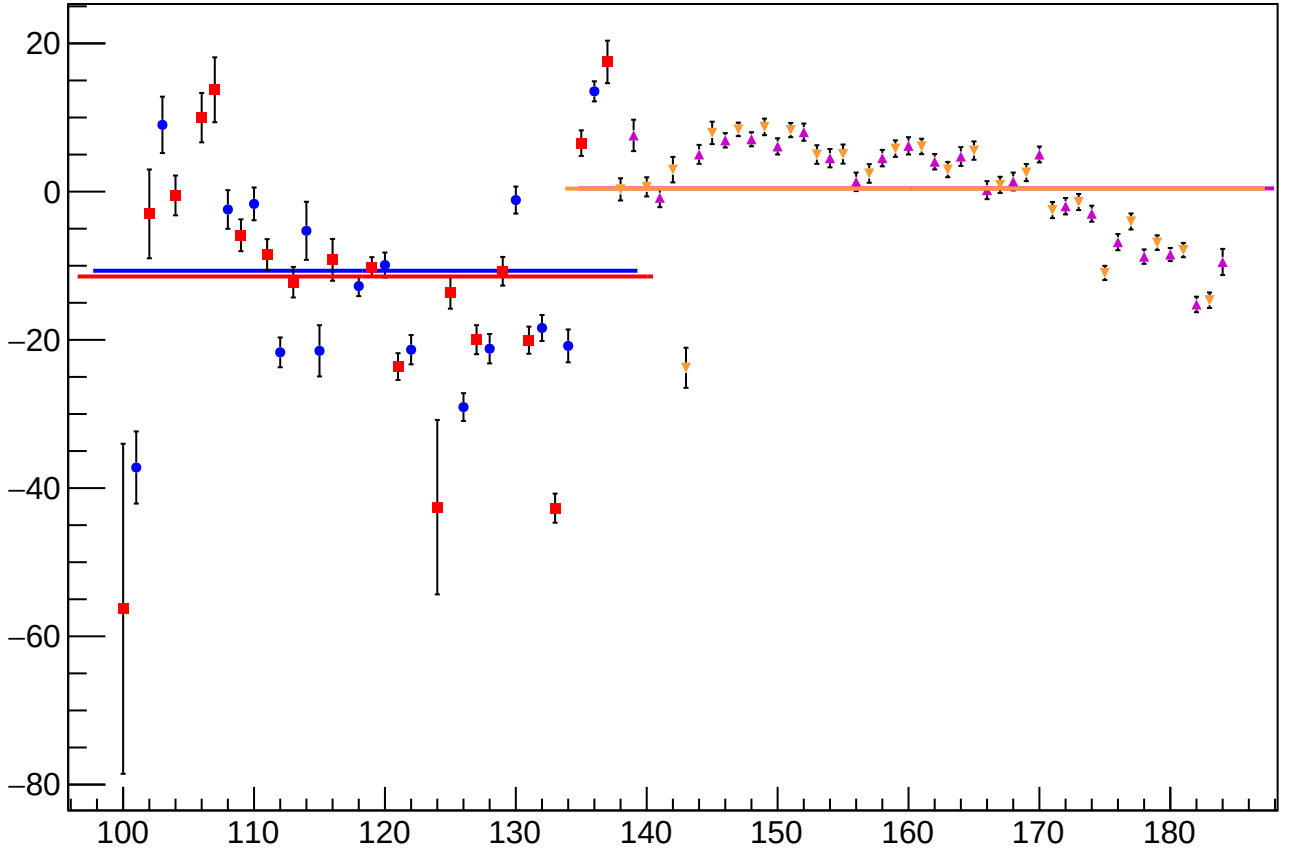
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.800+/-0.235 χ^2/NDF:8912.6/38

Out: -21.571+/-0.235 χ^2/NDF:12037.2/42

All: -21.685+/-0.166 χ^2/NDF: 20950.3/81

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.408+/-0.233 χ^2/NDF:916.3/23

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

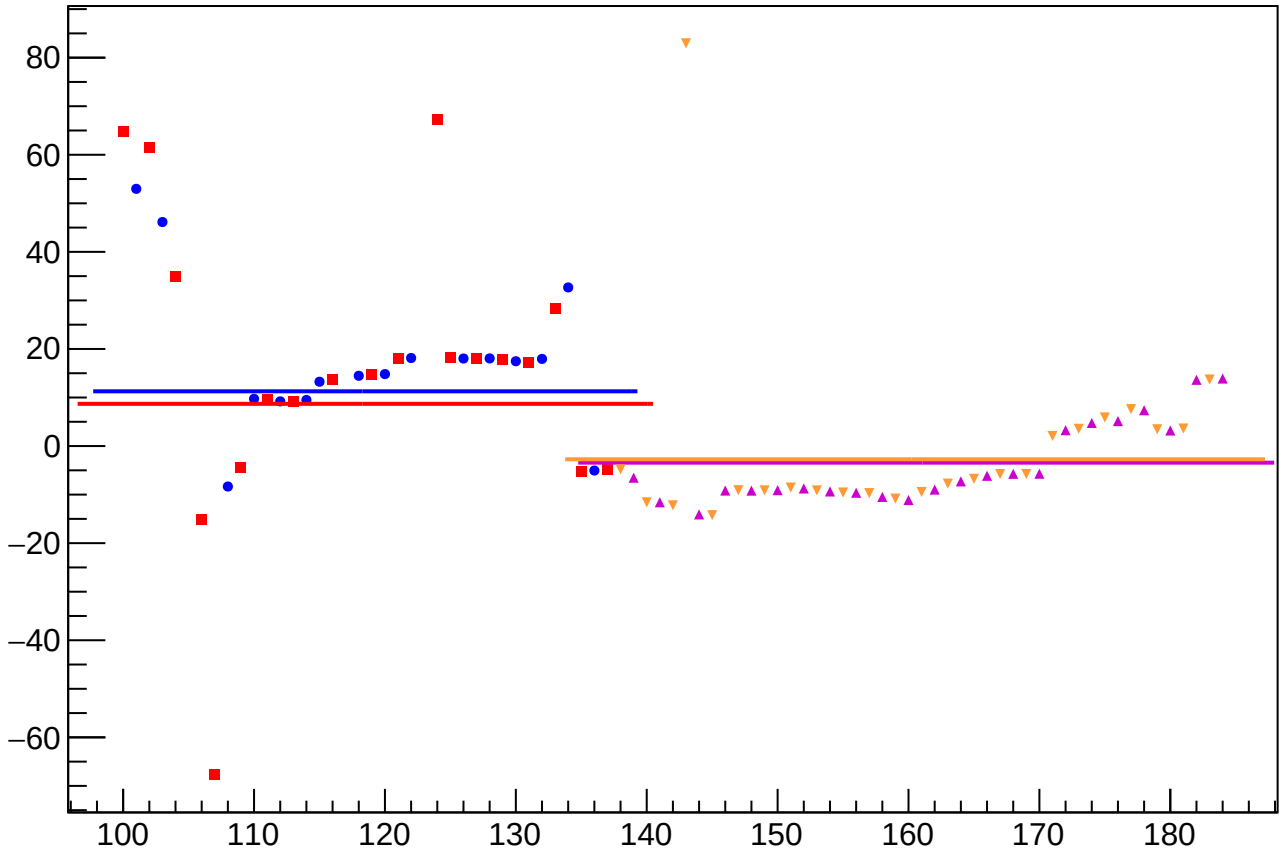
Left: 0.421+/-0.166 χ^2/NDF: 1698.4/46

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -1.564+/-0.214 χ^2/NDF:1844.6/38

Out: -1.598+/-0.212 χ^2/NDF:2020.8/42

All: -1.581+/-0.151 χ^2/NDF: 3865.3/81



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: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -3.072+/-0.007 χ^2/NDF: 1472023.7/46

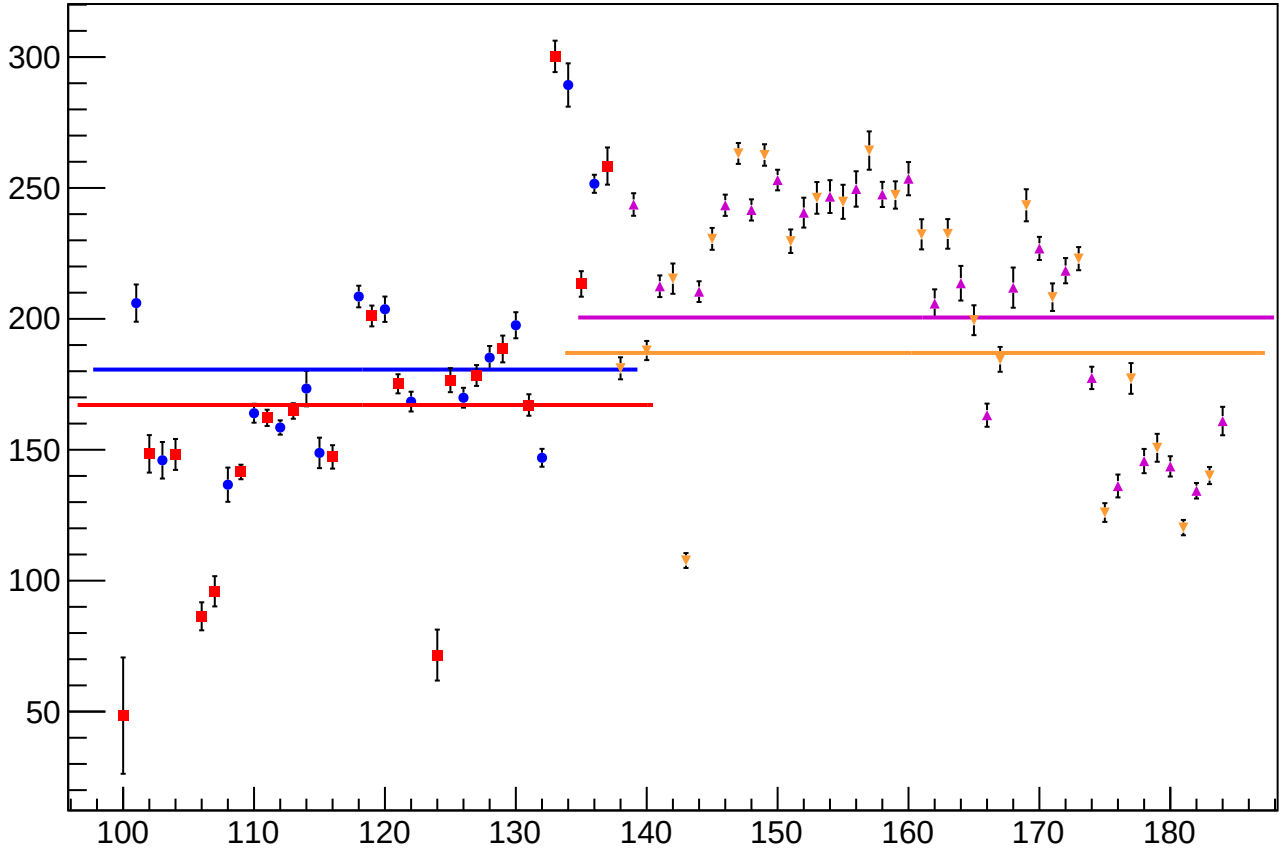
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -1.823+/-0.010 χ^2/NDF:1111163.2/38

Out: -1.589+/-0.010 χ^2/NDF:1478202.4/42

All: -1.707+/-0.007 χ^2/NDF: 2589647.0/81

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 186.983+/-0.904 χ^2/NDF:3489.0/23

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

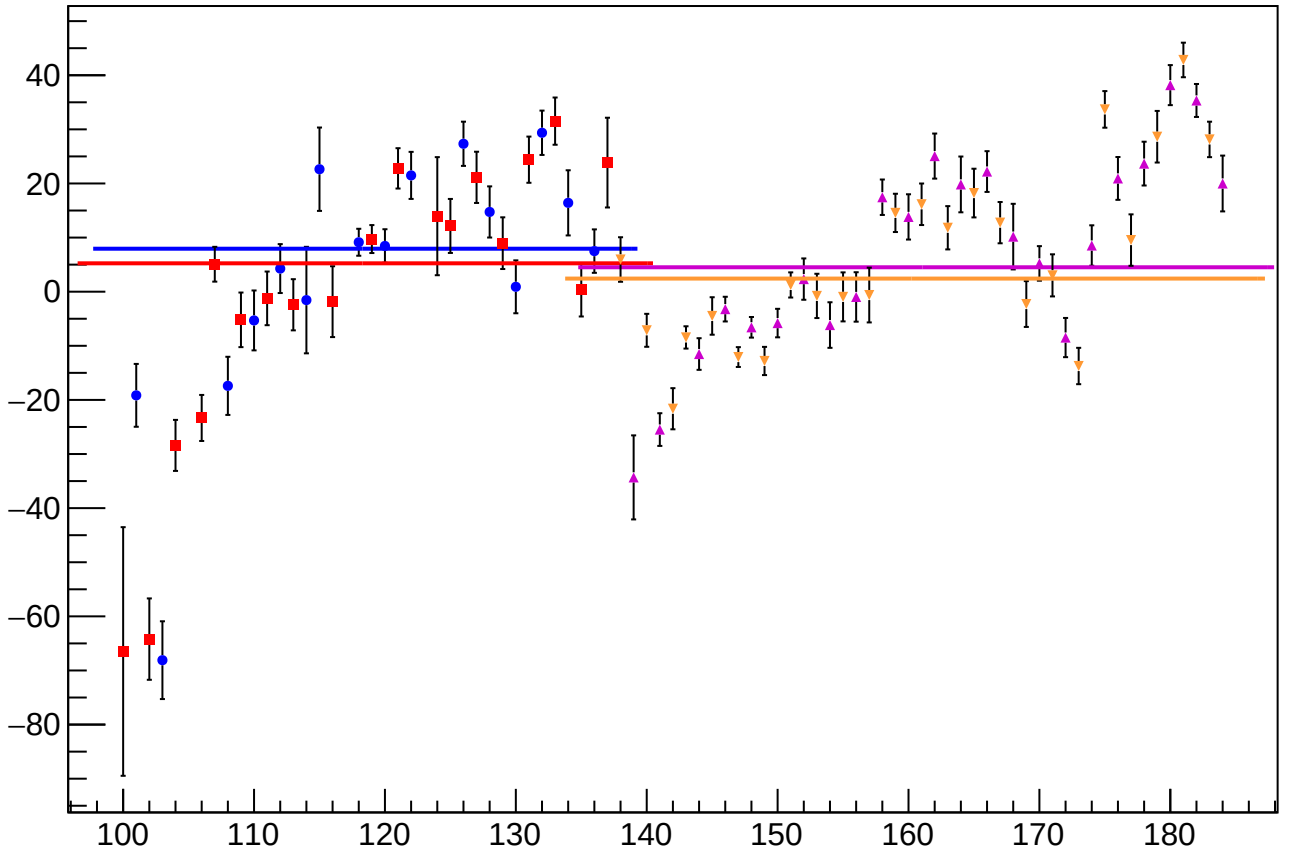
Left: 193.384+/-0.657 χ^2/NDF: 5706.4/46

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 191.881+/-0.718 χ^2/NDF:3293.2/38

Out: 178.239+/-0.677 χ^2/NDF:5186.0/42

All: 184.657+/-0.493 χ^2/NDF: 8670.3/81



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: 4.513+/-0.714 χ^2/NDF:547.1/22

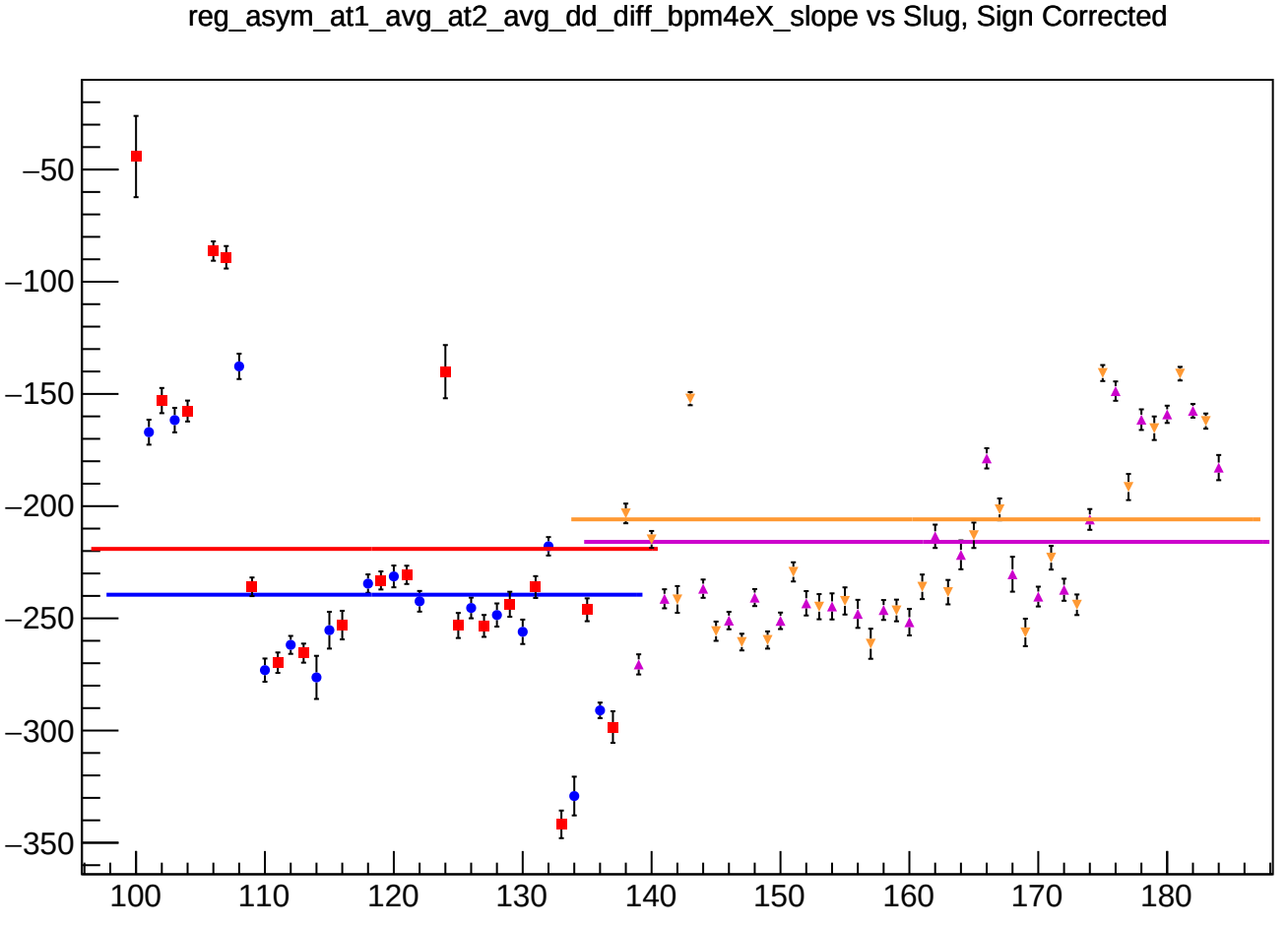
Left: 3.399+/-0.488 χ^2/NDF: 1146.3/46

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 5.512+/-0.601 χ^2/NDF:786.8/38

Out: 3.224+/-0.566 χ^2/NDF:902.6/42

All: 4.299+/-0.412 χ^2/NDF: 1697.1/81



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: -215.938+/-0.946 χ^2/NDF:1711.9/22

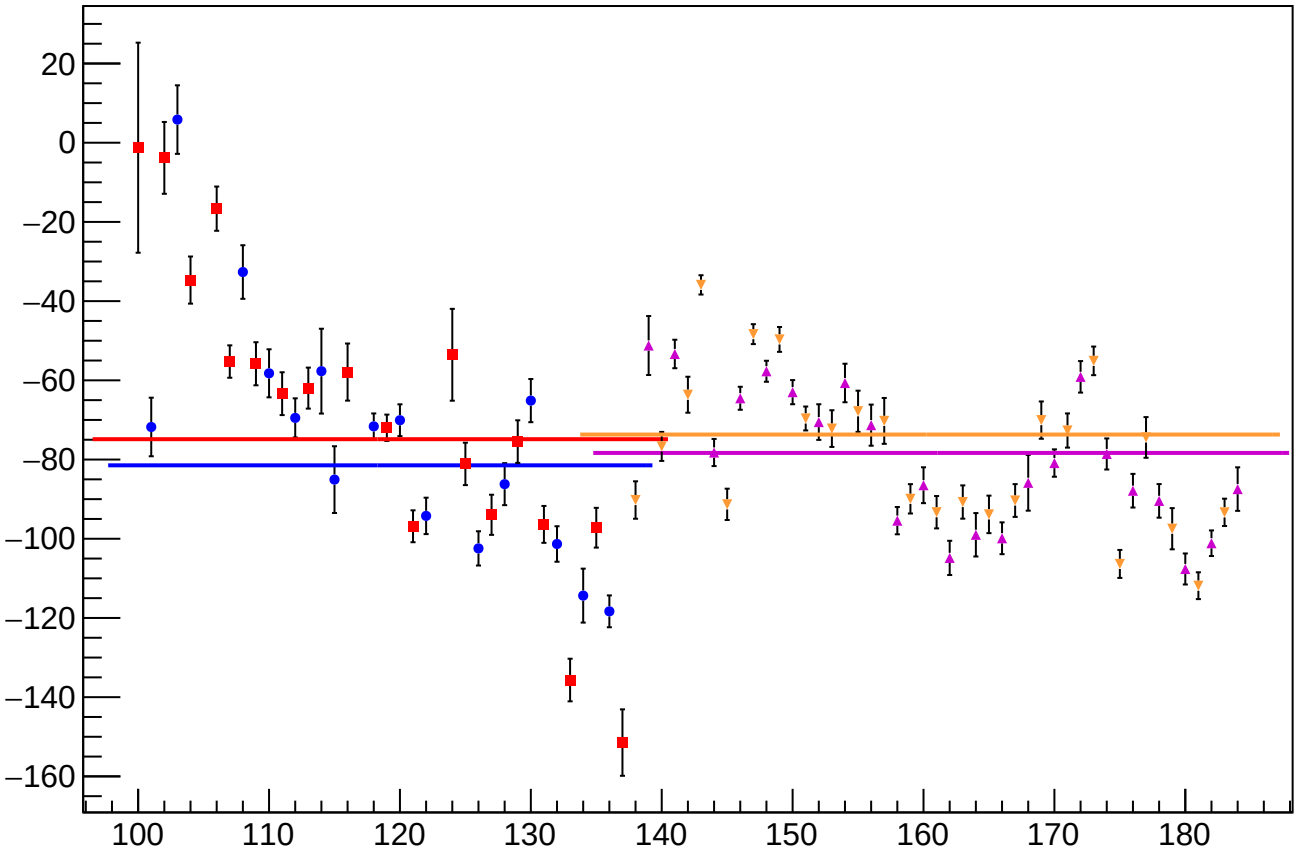
Left: -210.669+/-0.652 χ^2/NDF: 4192.4/46

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -224.549+/-0.753 χ^2/NDF:3100.5/38

Out: -210.758+/-0.715 χ^2/NDF:5549.5/42

All: -217.296+/-0.519 χ^2/NDF: 8826.3/81



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: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.877+/-0.561 χ^2/NDF: 1288.3/46

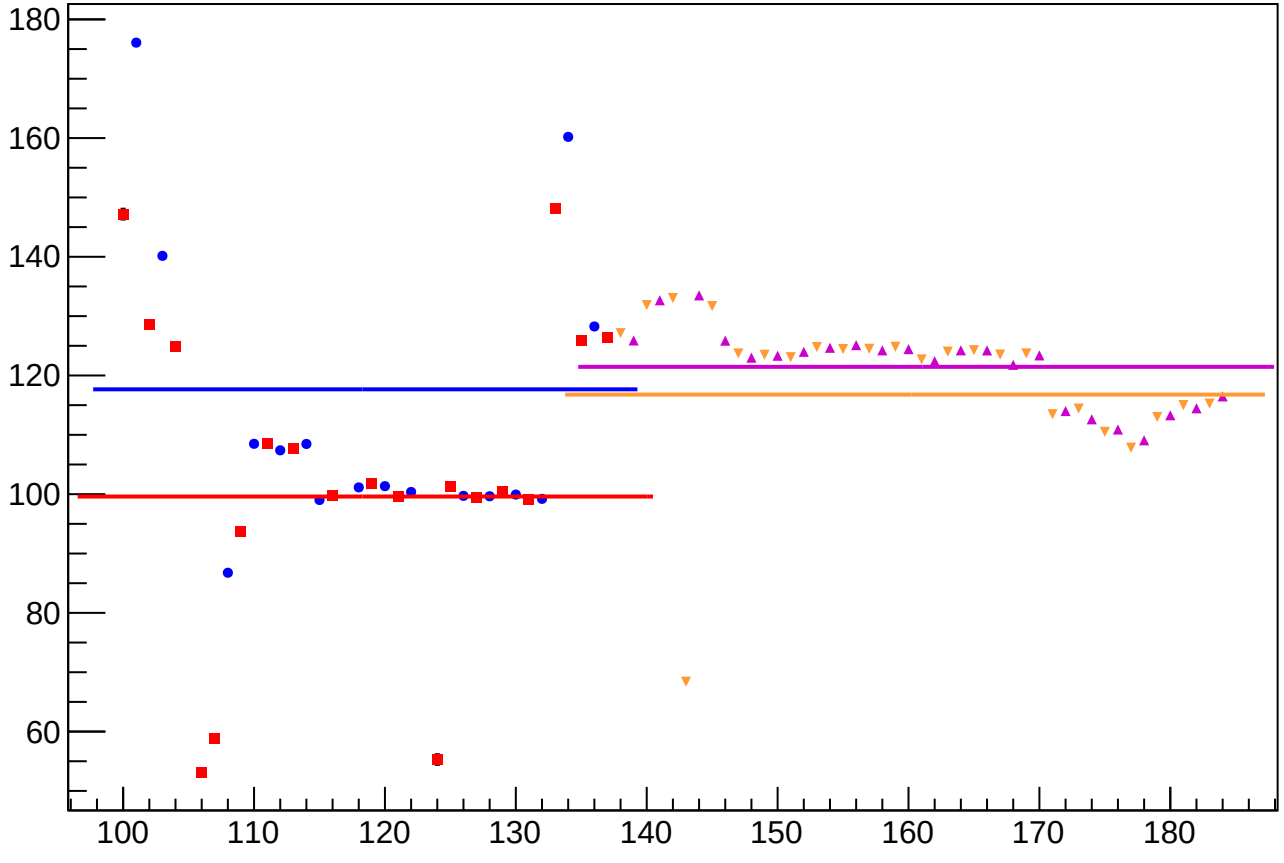
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -79.230+/-0.690 χ^2/NDF:814.0/38

Out: -74.020+/-0.654 χ^2/NDF:1405.3/42

All: -76.486+/-0.475 χ^2/NDF: 2249.3/81

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: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.046+/-0.026 χ^2/NDF: 240502.8/46

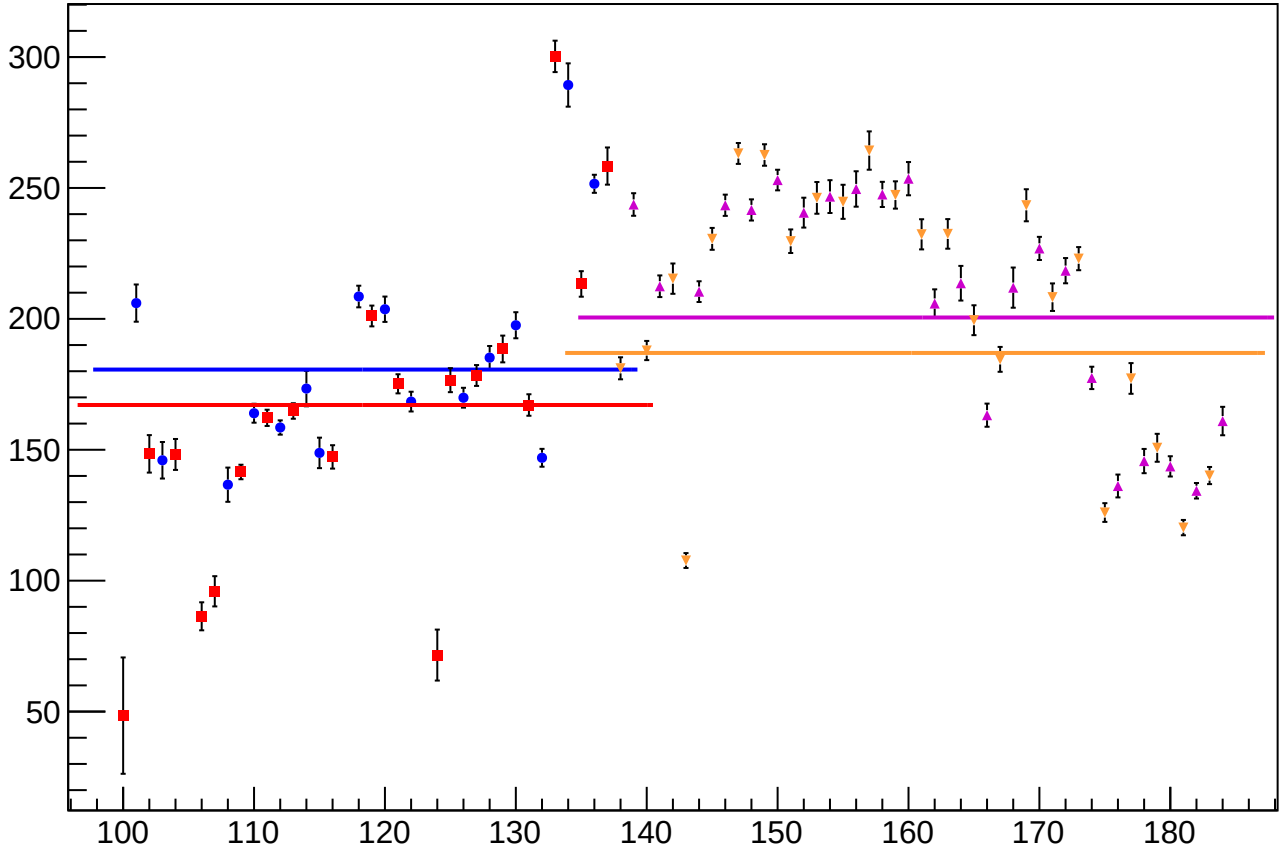
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 120.755+/-0.034 χ^2/NDF:126104.8/38

Out: 113.184+/-0.032 χ^2/NDF:417016.6/42

All: 116.798+/-0.023 χ^2/NDF: 569575.6/81

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: 200.521+/-0.955 χ^2/NDF:2111.4/22

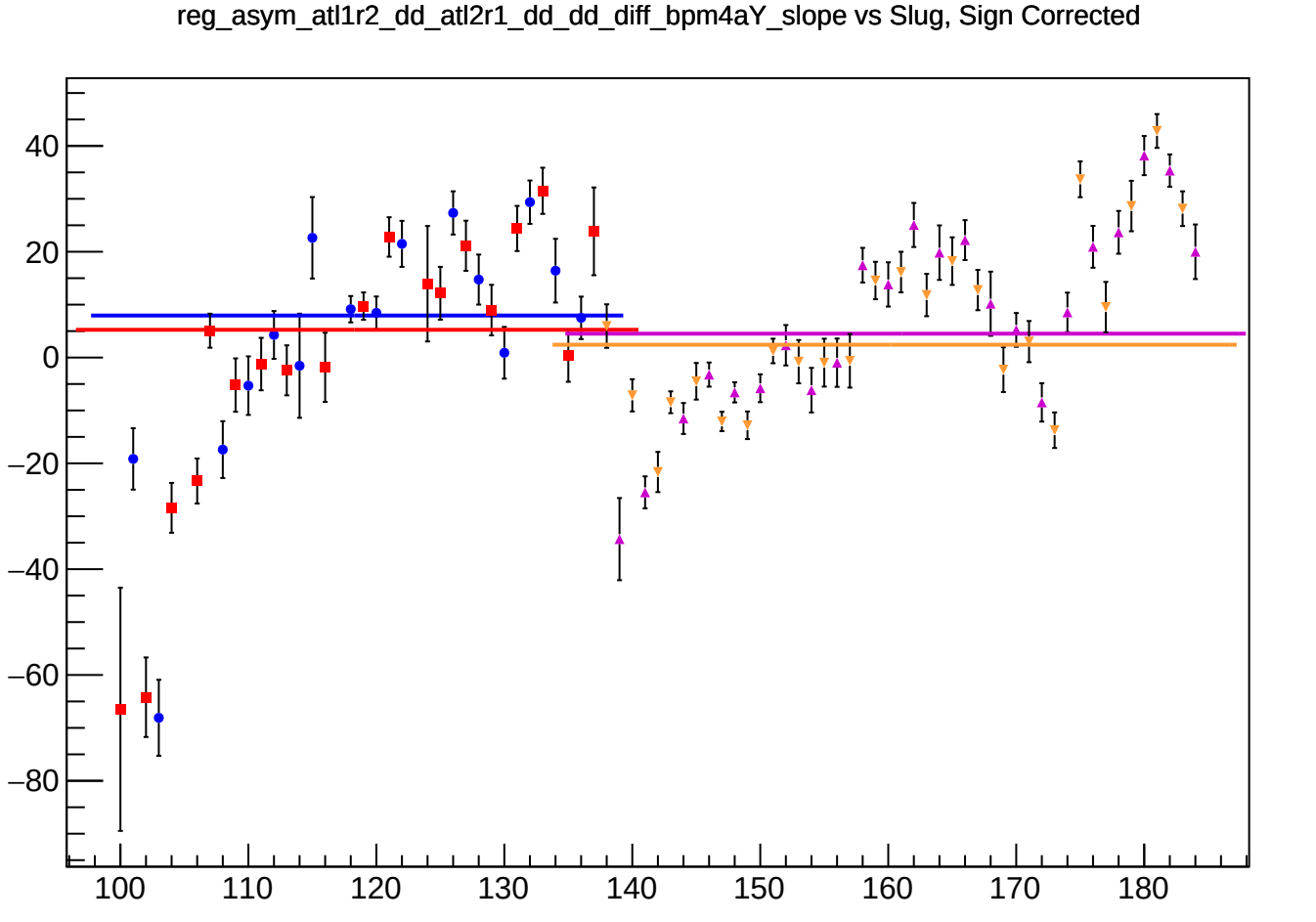
Left: 193.384+/-0.657 χ^2/NDF: 5706.4/46

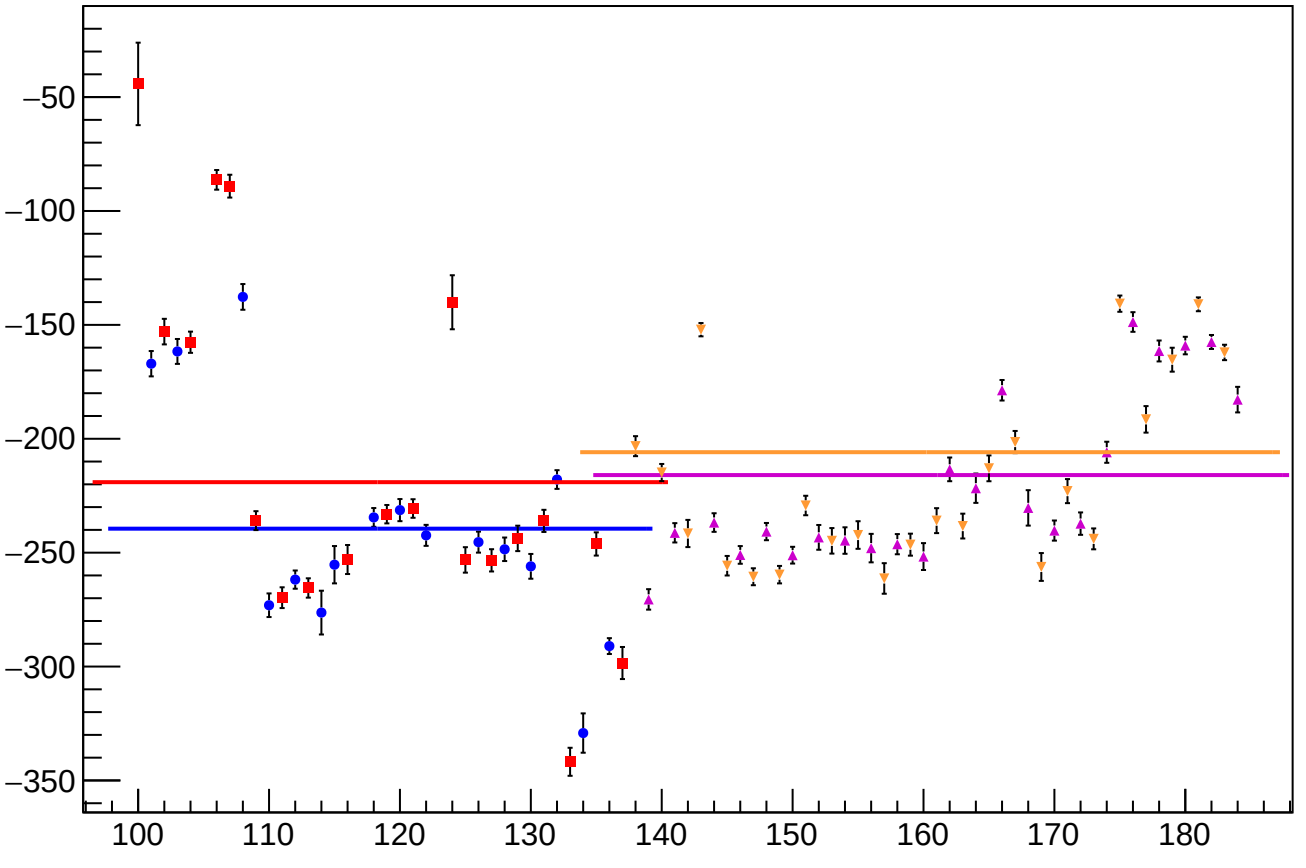
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 191.881+/-0.718 χ^2/NDF:3293.2/38

Out: 178.239+/-0.677 χ^2/NDF:5186.0/42

All: 184.657+/-0.493 χ^2/NDF: 8670.3/81


reg_asym_atl1r2_dd_atl2r1_dd_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: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: 2.424+/-0.668 χ²/NDF:594.6/23
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: 4.513+/-0.714 χ²/NDF:547.1/22
Left: 3.399+/-0.488 χ²/NDF: 1146.3/46
Right: 6.530+/-0.768 χ²/NDF: 538.9/34
In: 5.512+/-0.601 χ²/NDF:786.8/38
Out: 3.224+/-0.566 χ²/NDF:902.6/42
All: 4.299+/-0.412 χ²/NDF: 1697.1/81



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: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -210.669+/-0.652 χ^2/NDF: 4192.4/46

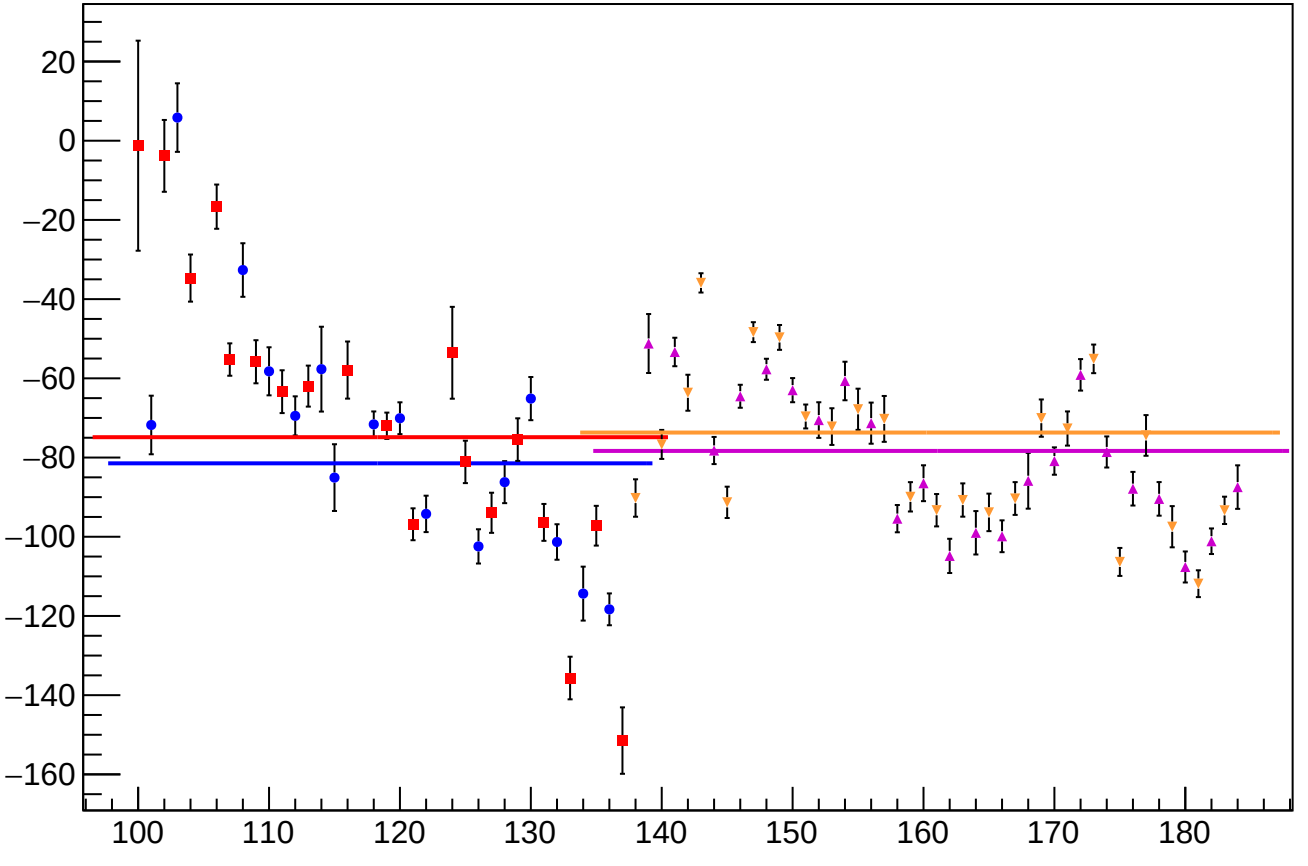
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -224.549+/-0.753 χ^2/NDF:3100.5/38

Out: -210.758+/-0.715 χ^2/NDF:5549.5/42

All: -217.296+/-0.519 χ^2/NDF: 8826.3/81

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: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.877+/-0.561 χ^2/NDF: 1288.3/46

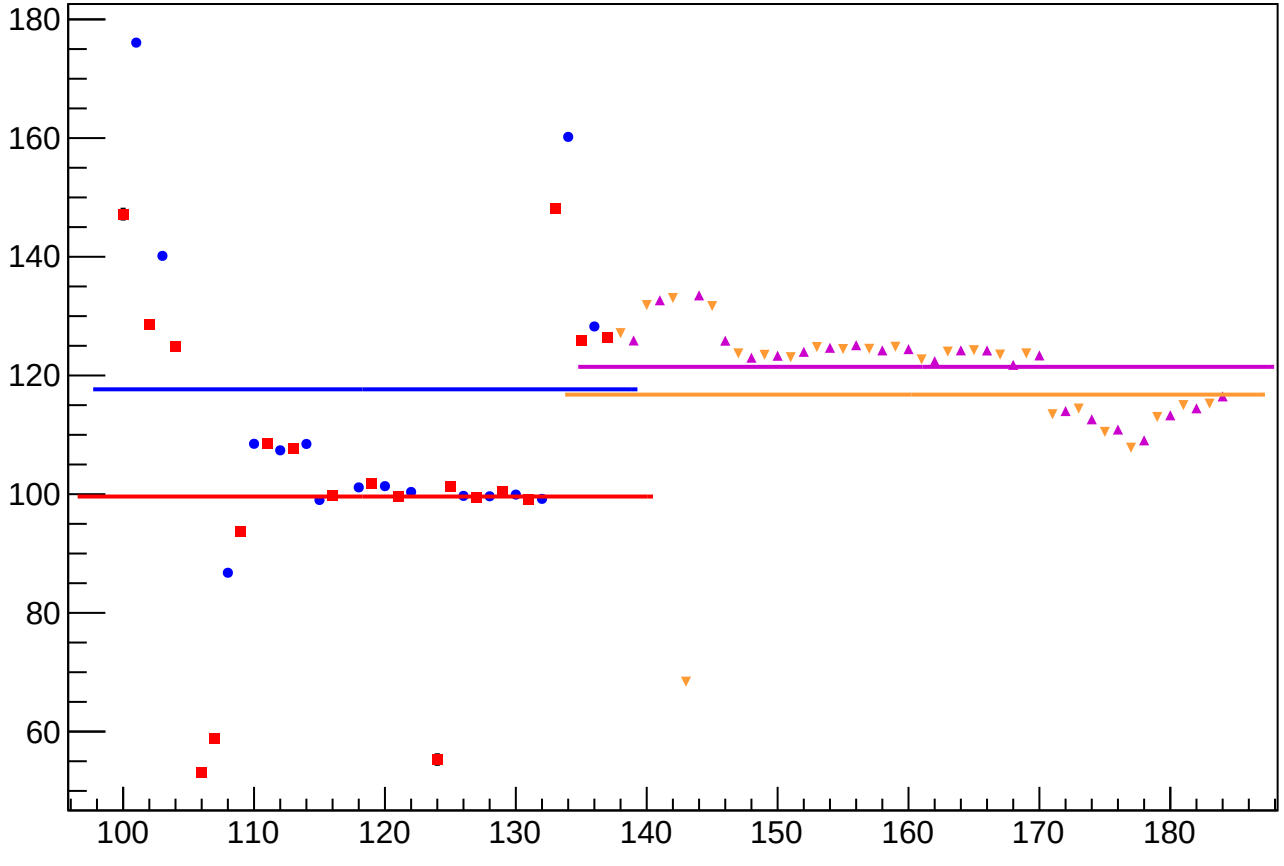
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -79.230+/-0.690 χ^2/NDF:814.0/38

Out: -74.020+/-0.654 χ^2/NDF:1405.3/42

All: -76.486+/-0.475 χ^2/NDF: 2249.3/81

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: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.046+/-0.026 χ^2/NDF: 240502.8/46

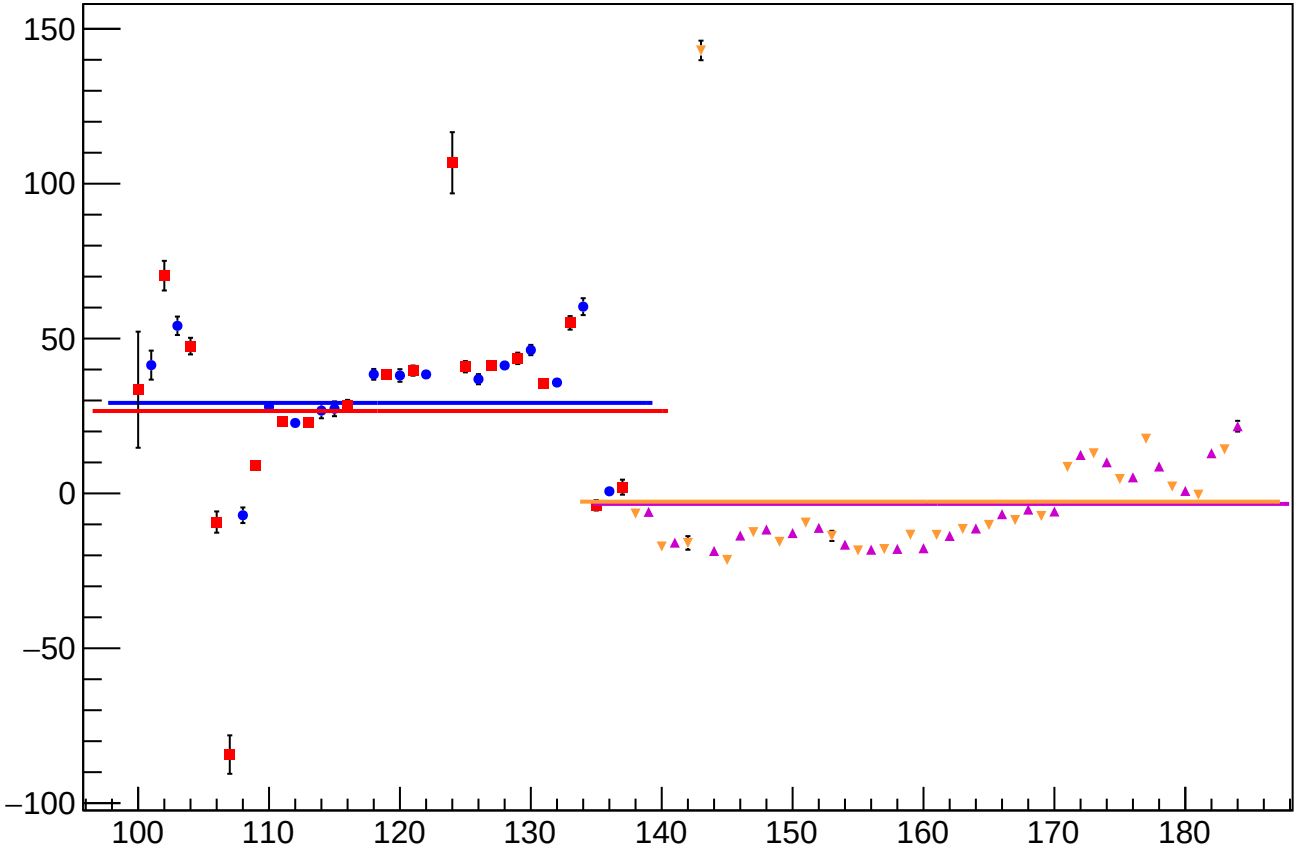
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 120.755+/-0.034 χ^2/NDF:126104.8/38

Out: 113.184+/-0.032 χ^2/NDF:417016.6/42

All: 116.798+/-0.023 χ^2/NDF: 569575.6/81

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: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -3.024+/-0.191 χ^2/NDF: 5650.4/46

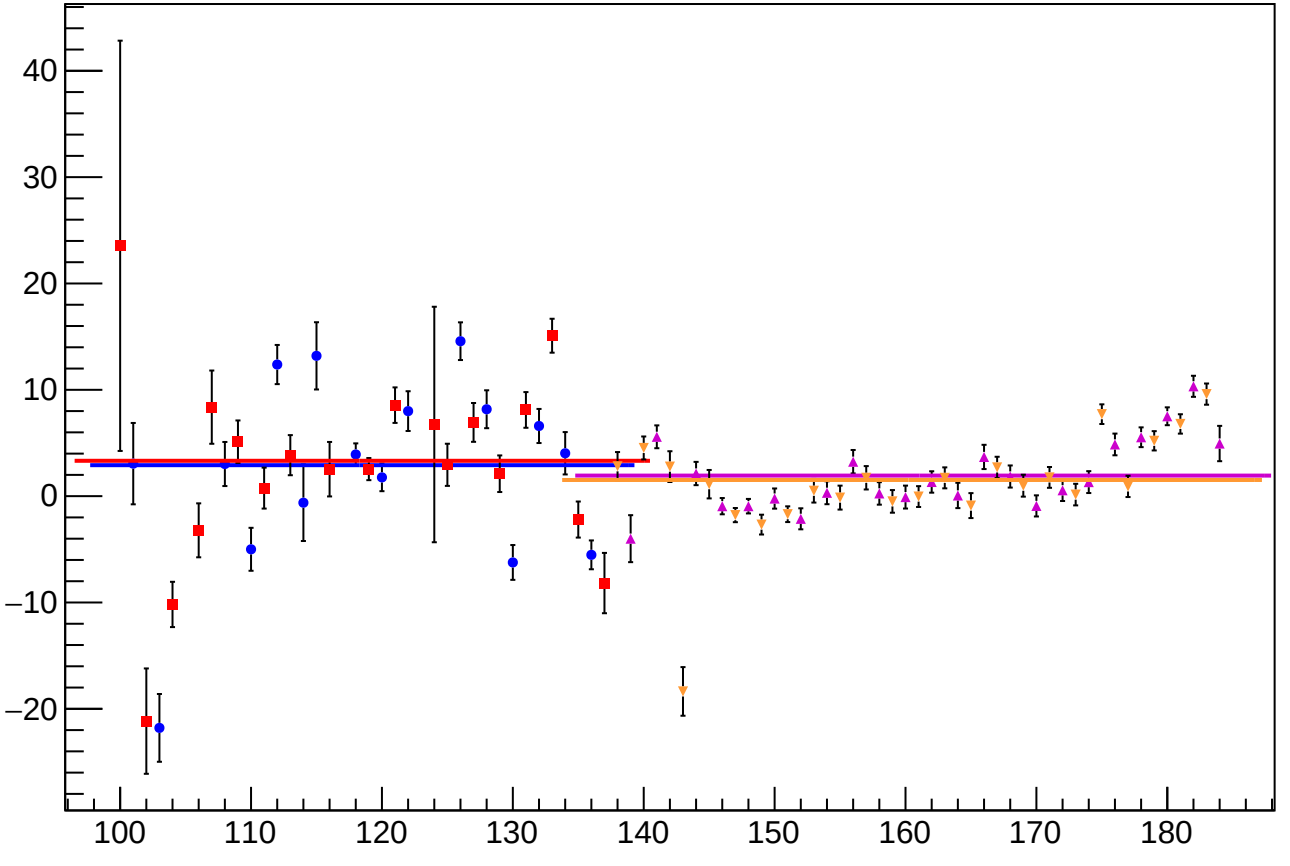
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 6.075+/-0.229 χ^2/NDF:7291.5/38

Out: 6.013+/-0.225 χ^2/NDF:9330.6/42

All: 6.044+/-0.161 χ^2/NDF: 16622.1/81

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: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.723+/-0.147 χ^2/NDF: 569.2/46

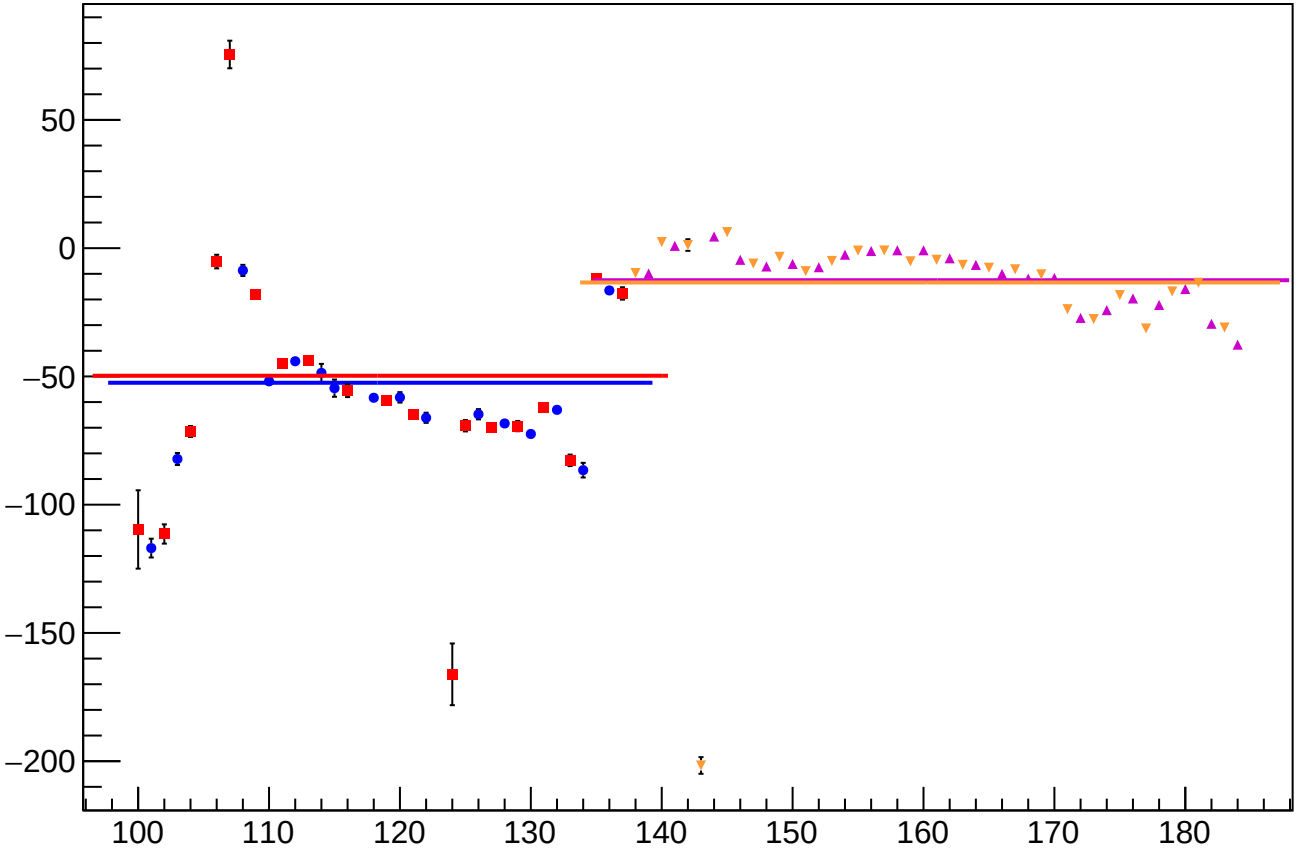
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 2.114+/-0.190 χ^2/NDF:494.6/38

Out: 1.830+/-0.188 χ^2/NDF:521.4/42

All: 1.970+/-0.134 χ^2/NDF: 1017.2/81

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -13.375+/-0.267 χ^2/NDF:4832.3/23

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -12.938+/-0.189 χ^2/NDF: 6268.0/46

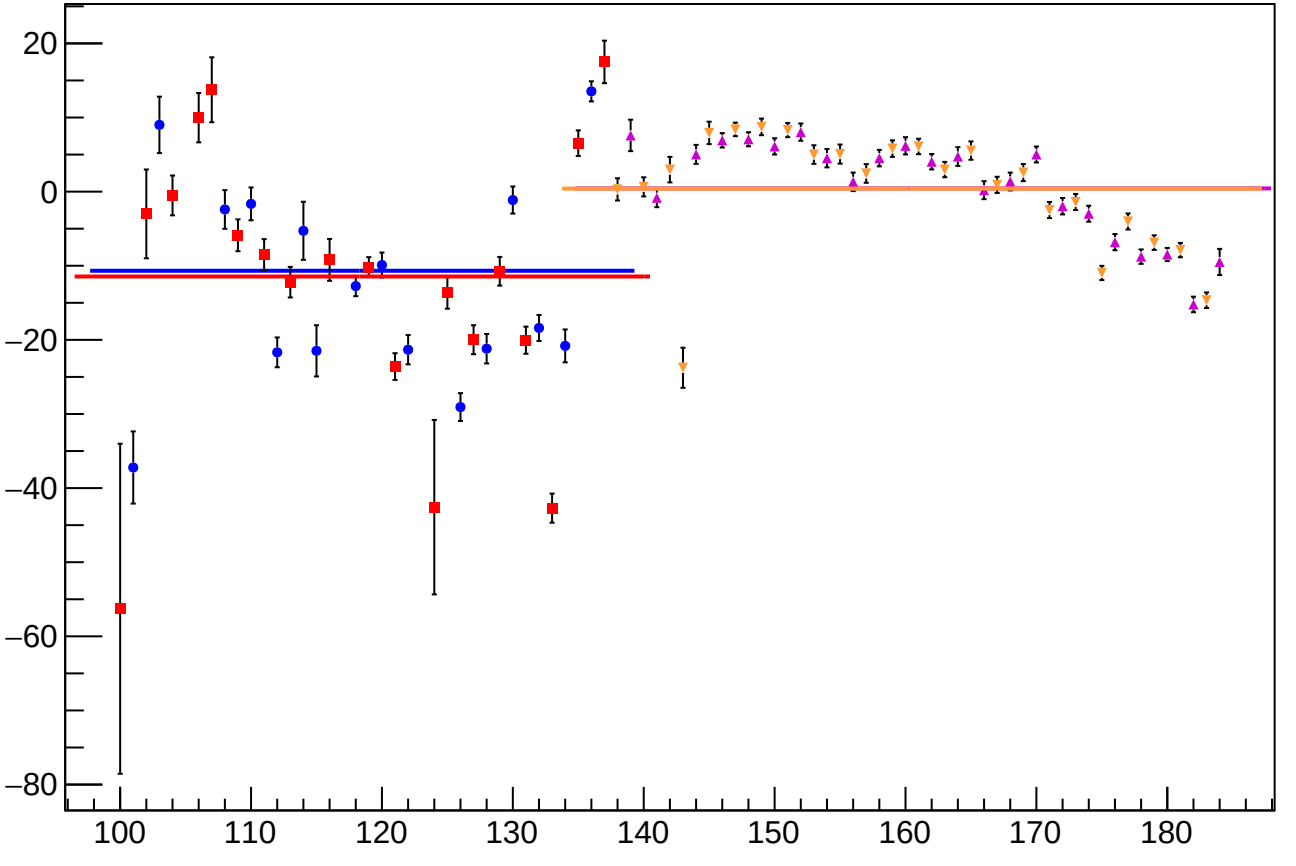
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.800+/-0.235 χ^2/NDF:8912.6/38

Out: -21.571+/-0.235 χ^2/NDF:12037.2/42

All: -21.685+/-0.166 χ^2/NDF: 20950.3/81

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.408+/-0.233 χ^2/NDF:916.3/23

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

Left: 0.421+/-0.166 χ^2/NDF: 1698.4/46

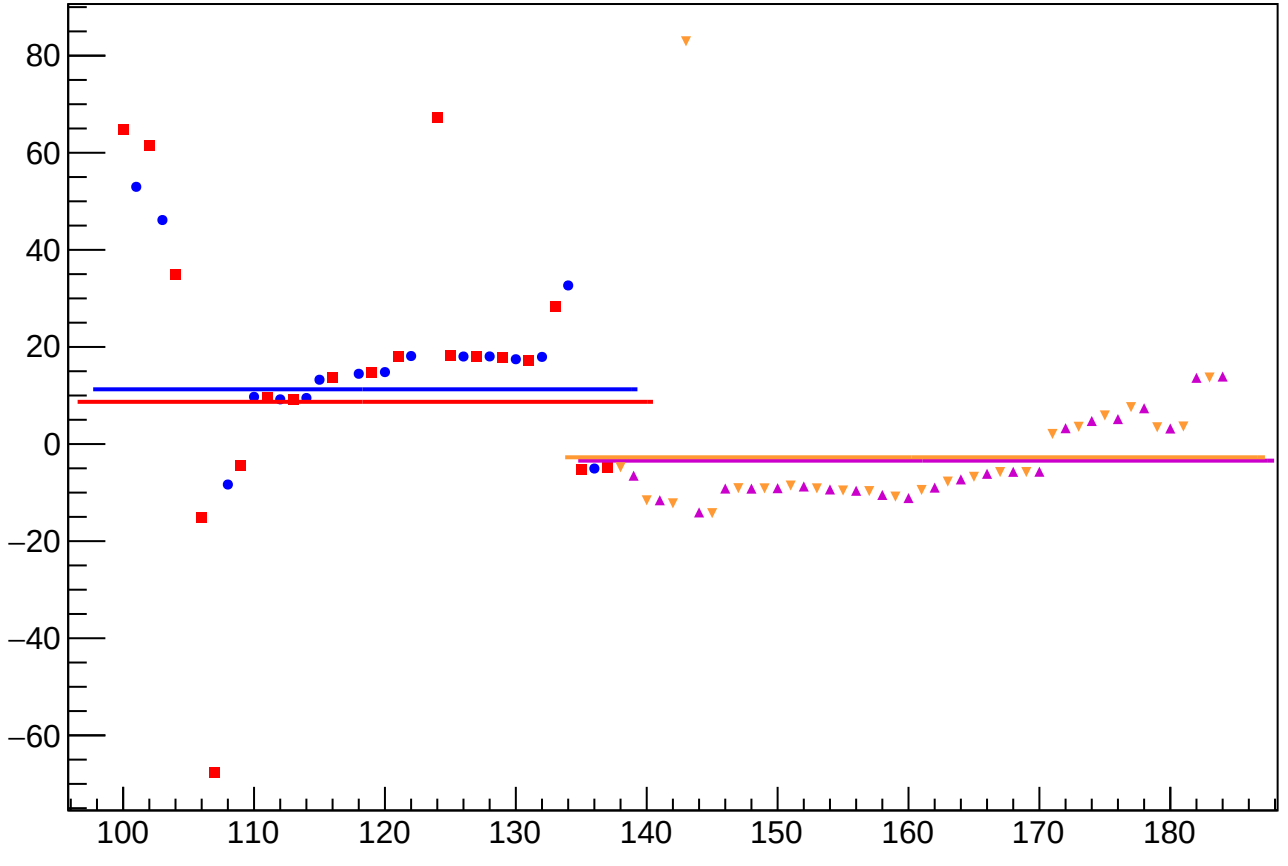
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -1.564+/-0.214 χ^2/NDF:1844.6/38

Out: -1.598+/-0.212 χ^2/NDF:2020.8/42

All: -1.581+/-0.151 χ^2/NDF: 3865.3/81

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: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -3.072+/-0.007 χ^2/NDF: 1472023.7/46

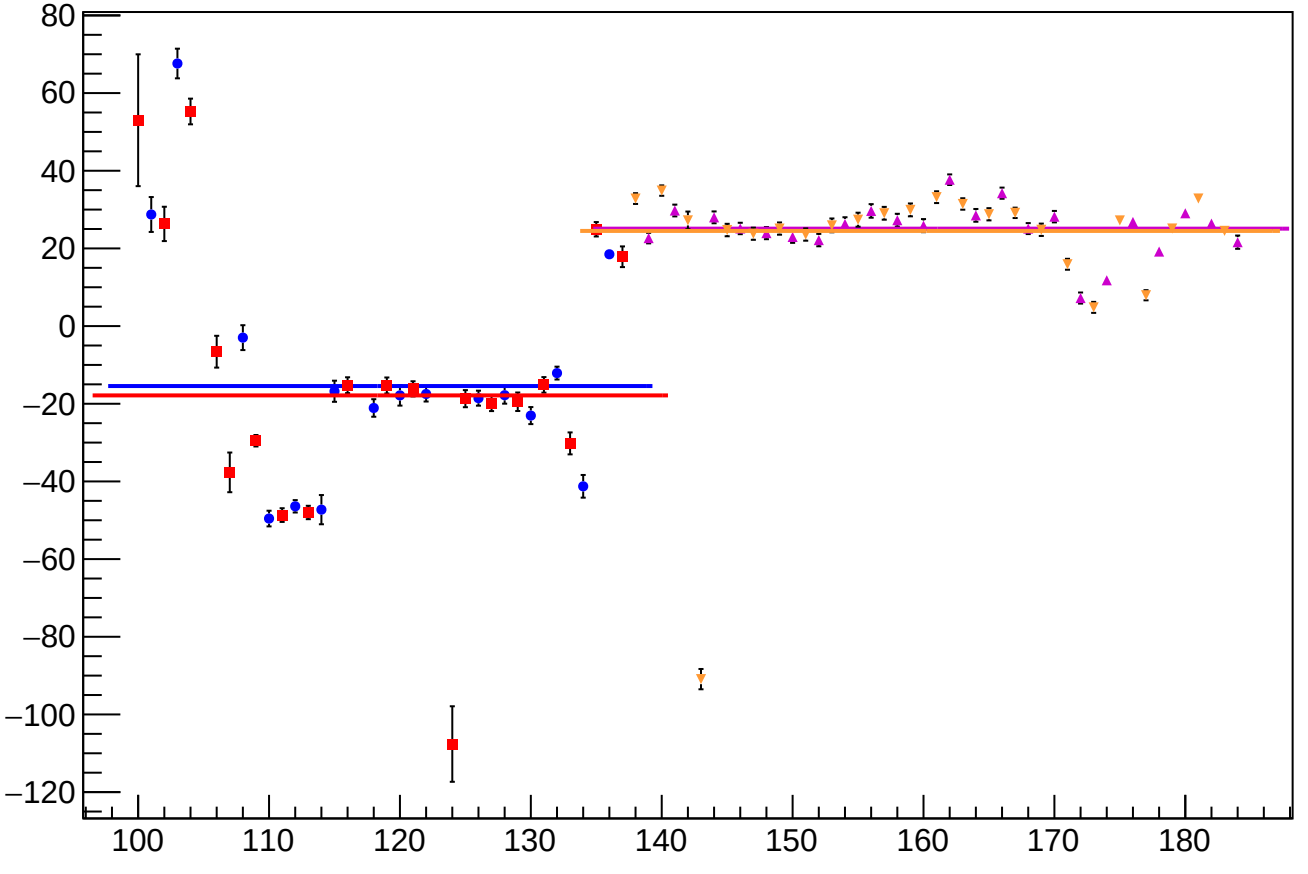
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -1.823+/-0.010 χ^2/NDF:1111163.2/38

Out: -1.589+/-0.010 χ^2/NDF:1478202.4/42

All: -1.707+/-0.007 χ^2/NDF: 2589647.0/81

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.504+/-0.284 χ^2/NDF:2634.5/23

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

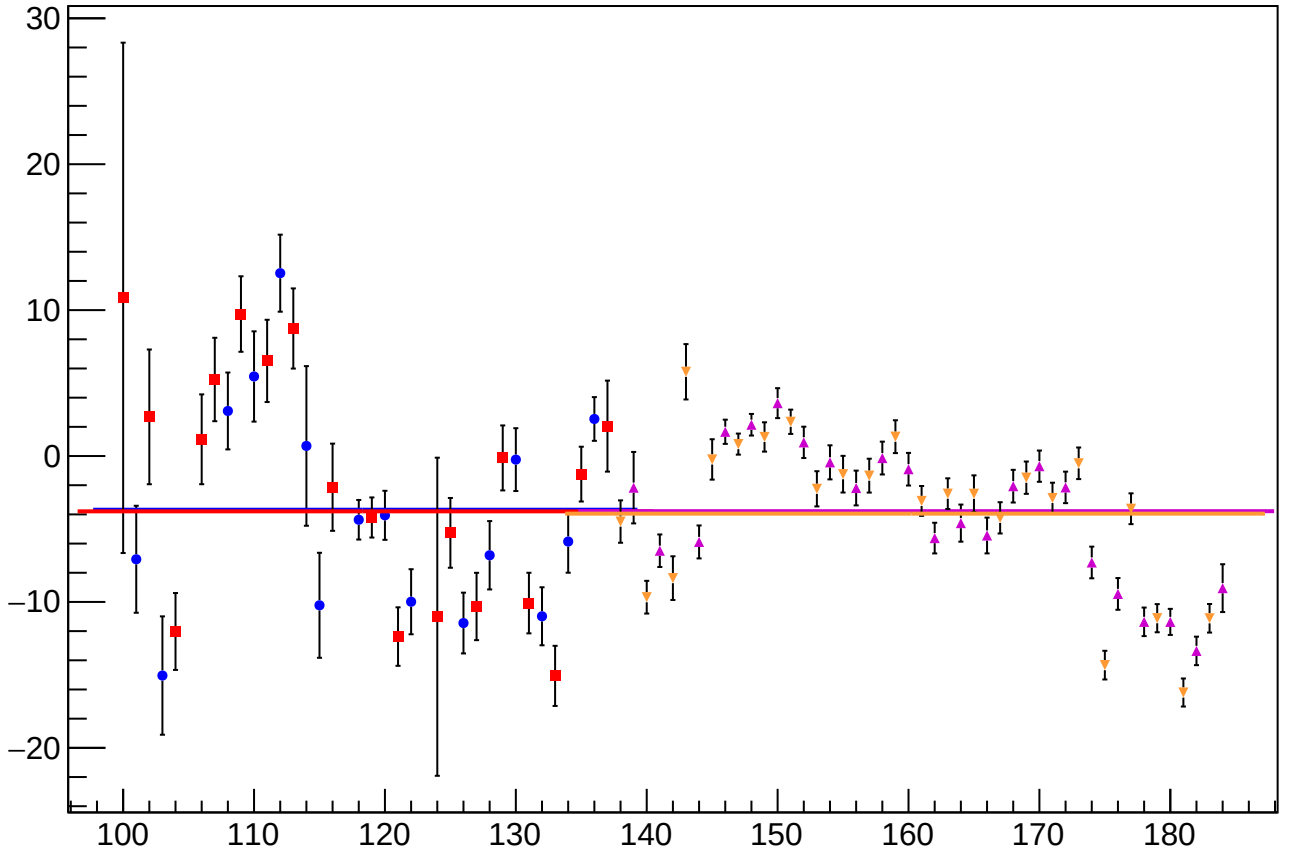
Left: 24.793+/-0.202 χ^2/NDF: 3131.9/46

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 16.128+/-0.253 χ^2/NDF:7022.1/38

Out: 15.024+/-0.251 χ^2/NDF:9722.7/42

All: 15.569+/-0.178 χ^2/NDF: 16754.4/81



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: -3.780+/-0.224 χ^2/NDF:509.8/22

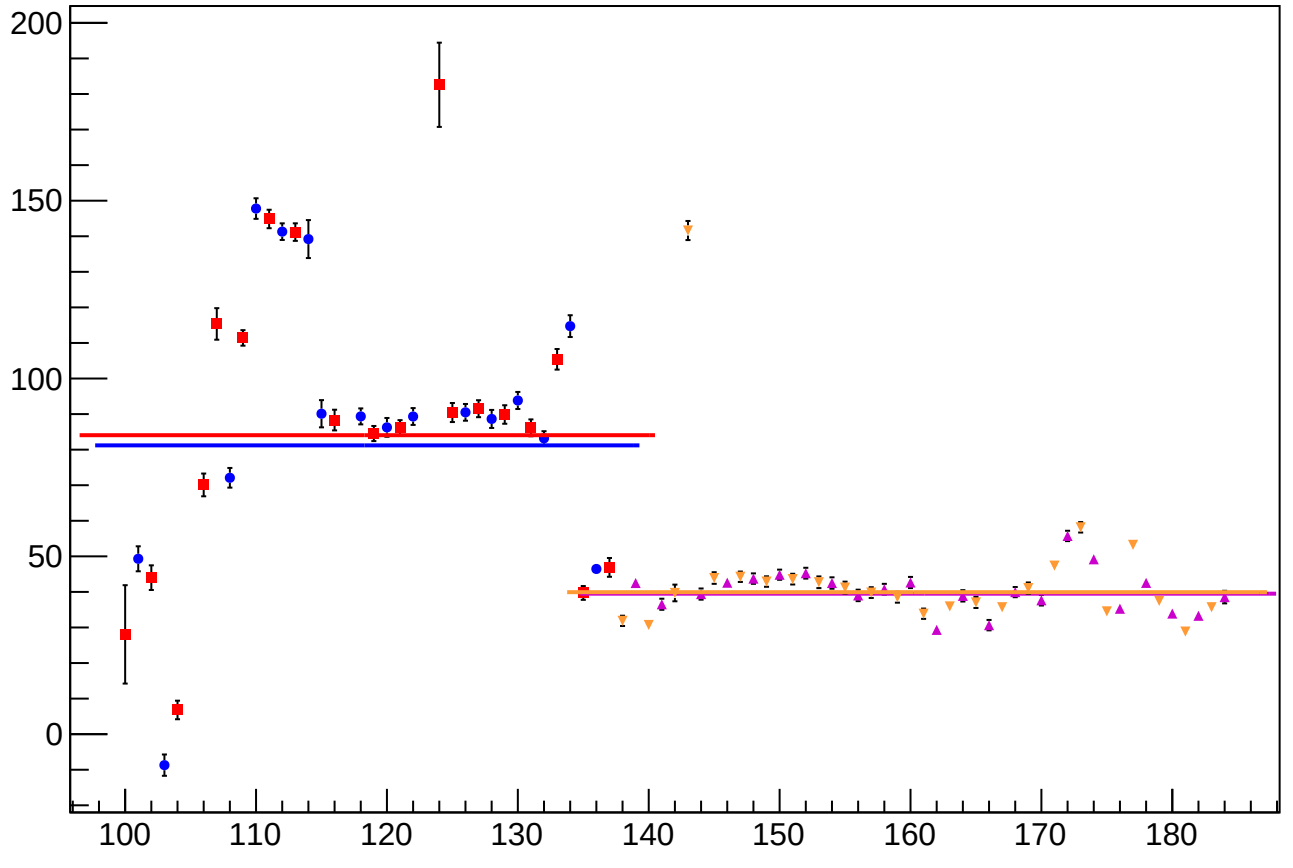
Left: -3.866+/-0.157 χ^2/NDF: 1143.3/46

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.766+/-0.207 χ^2/NDF:633.8/38

Out: -3.928+/-0.204 χ^2/NDF:794.4/42

All: -3.848+/-0.146 χ^2/NDF: 1428.6/81



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: 39.504+/-0.285 χ^2/NDF:432.1/22

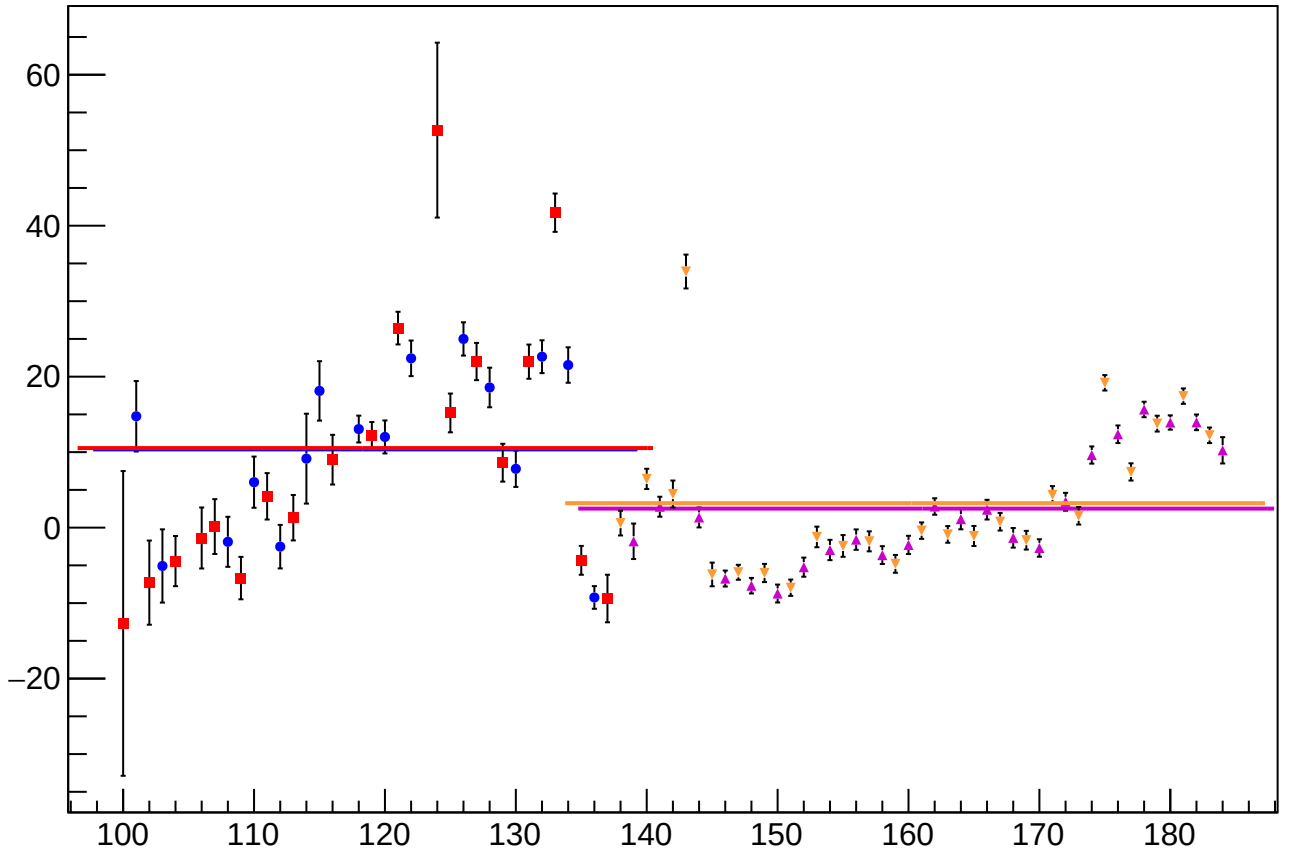
Left: 39.717+/-0.200 χ^2/NDF: 2495.0/46

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 47.023+/-0.258 χ^2/NDF:7530.2/38

Out: 47.586+/-0.257 χ^2/NDF:9507.7/42

All: 47.305+/-0.182 χ^2/NDF: 17040.3/81



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: 2.519+/-0.251 χ^2/NDF:968.2/22

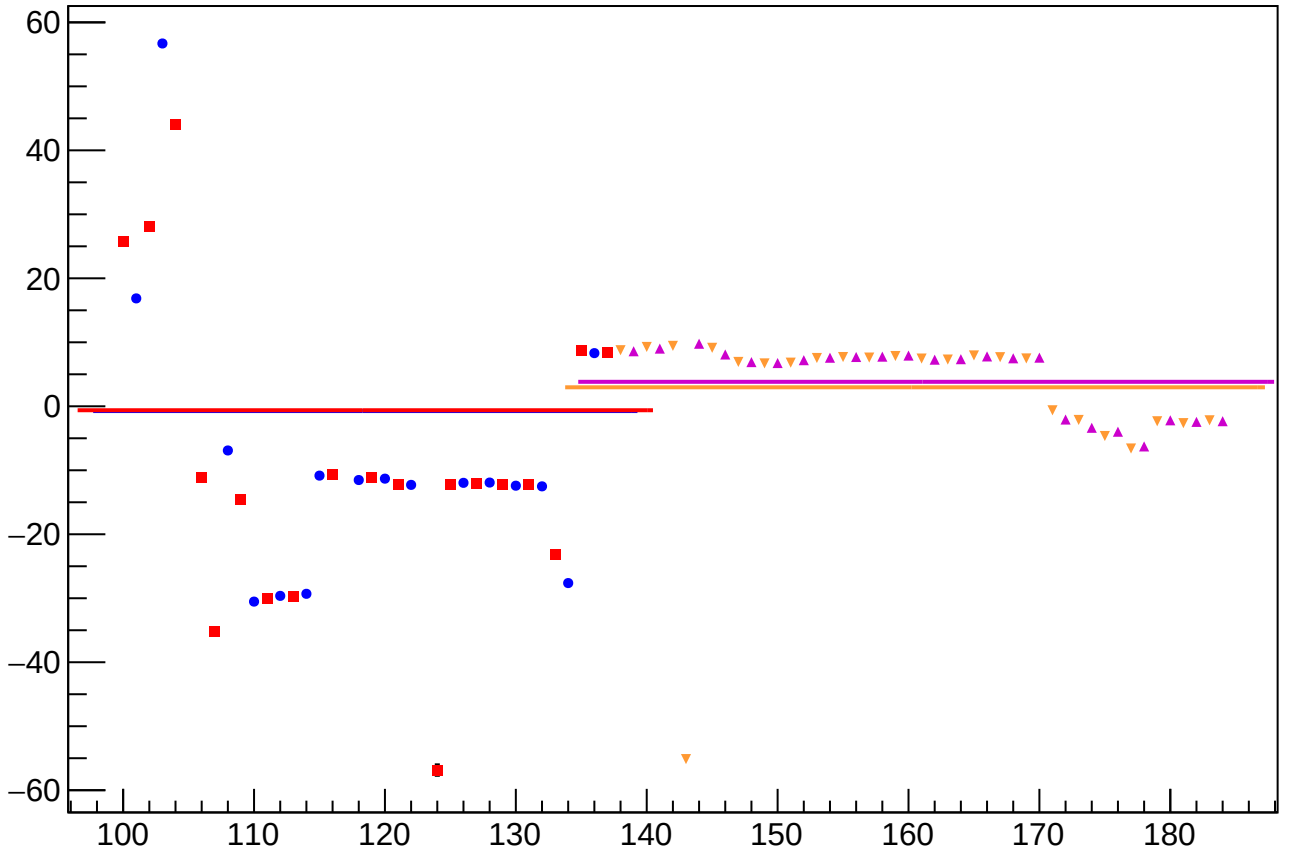
Left: 2.886+/-0.176 χ^2/NDF: 2228.8/46

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 3.604+/-0.233 χ^2/NDF:1463.2/38

Out: 4.190+/-0.231 χ^2/NDF:1840.1/42

All: 3.900+/-0.164 χ^2/NDF: 3306.5/81



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: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.396+/-0.008 χ^2/NDF: 744826.7/46

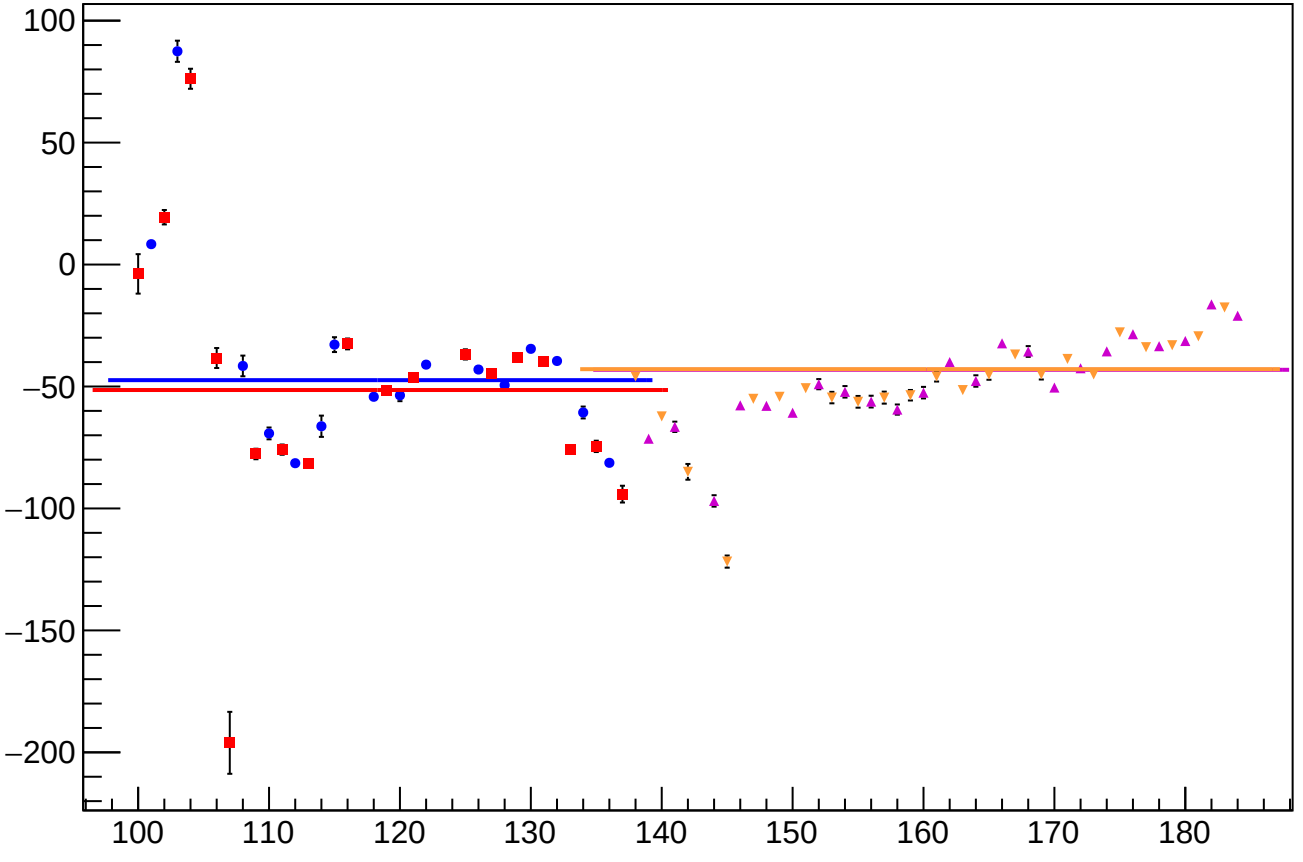
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 3.426+/-0.011 χ^2/NDF:616025.6/38

Out: 2.676+/-0.011 χ^2/NDF:833577.3/42

All: 3.052+/-0.008 χ^2/NDF: 1452096.6/81

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: -43.152+/-0.382 χ^2/NDF:2206.6/22

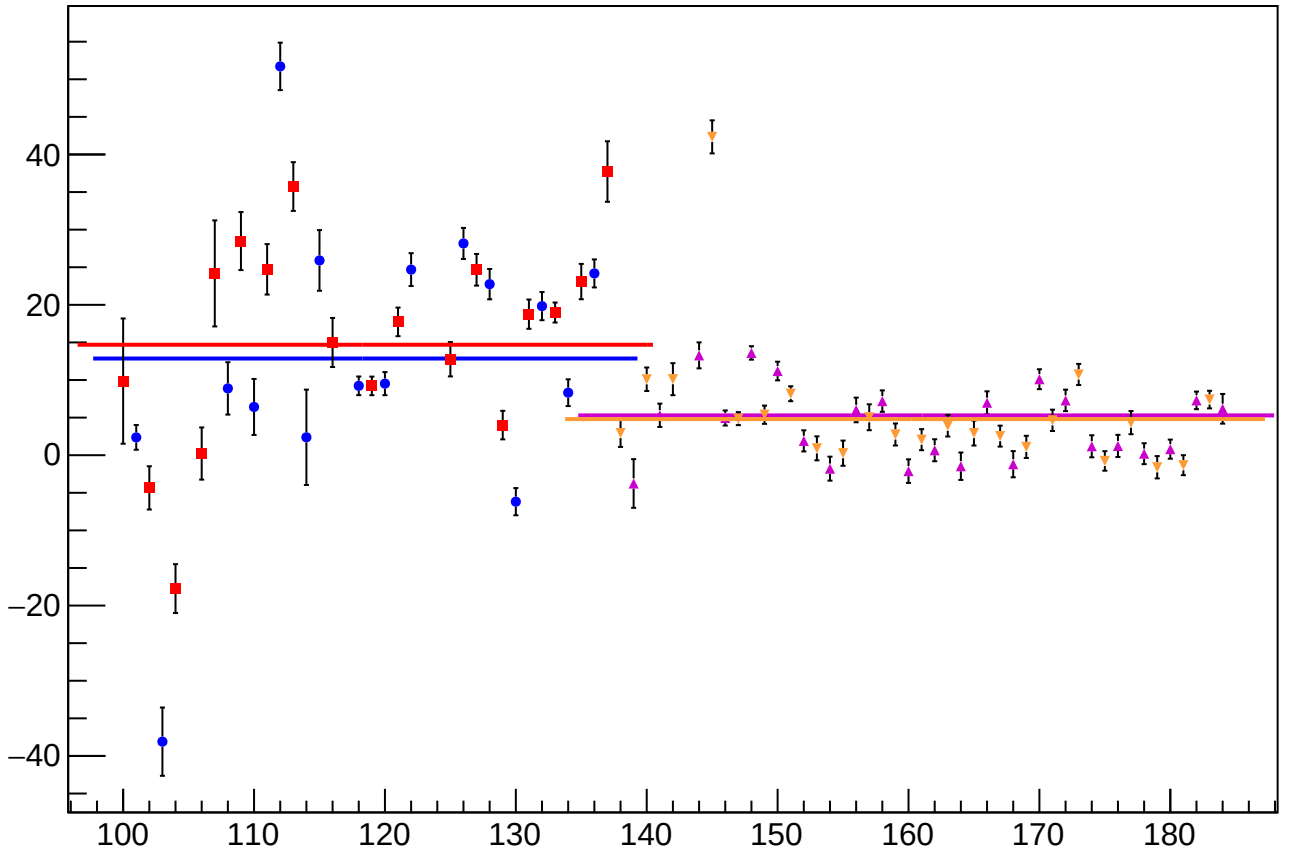
Left: -43.025+/-0.270 χ^2/NDF: 4496.1/45

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -44.583+/-0.311 χ^2/NDF:5017.4/38

Out: -45.714+/-0.313 χ^2/NDF:5326.7/40

All: -45.144+/-0.220 χ^2/NDF: 10350.6/79



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: 5.292+/-0.294 χ^2/NDF:286.4/22

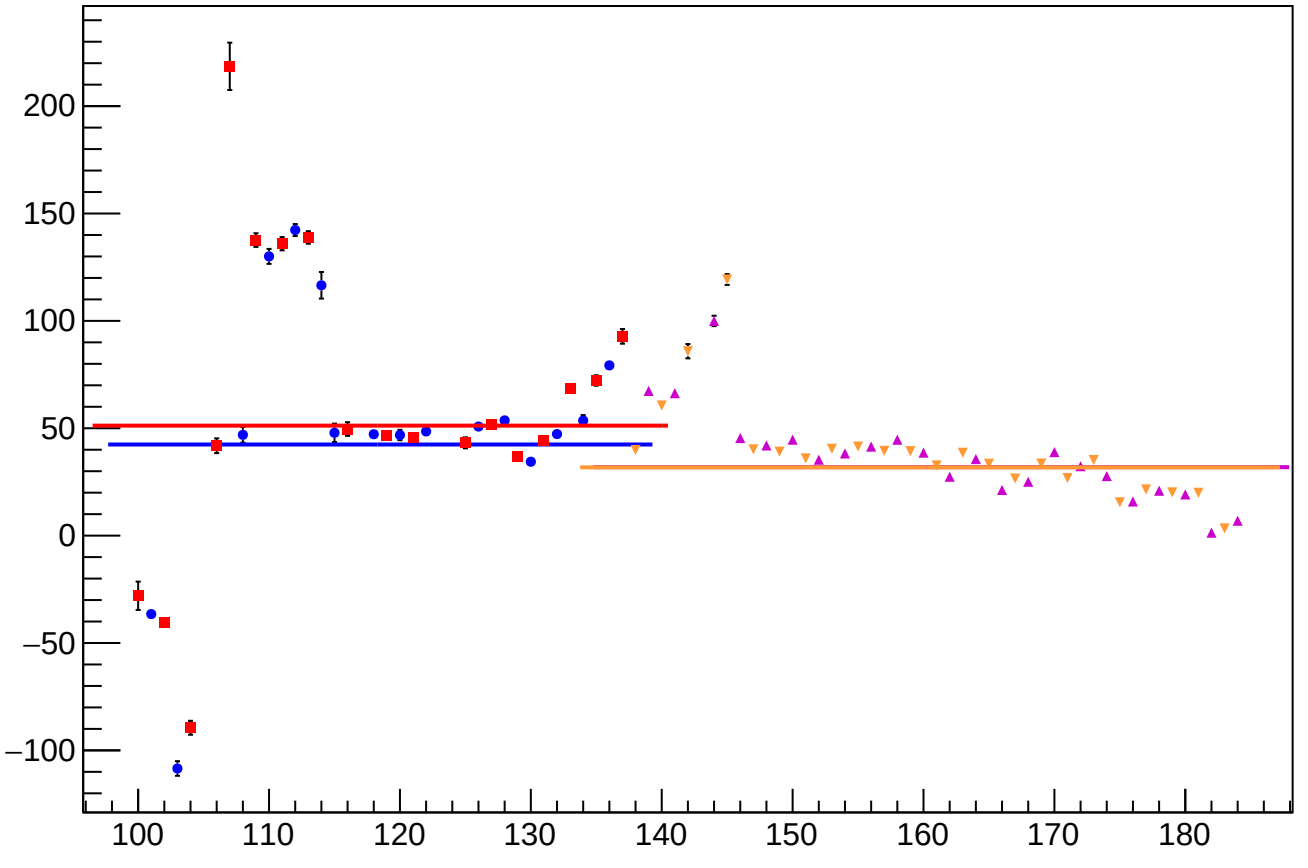
Left: 5.044+/-0.207 χ^2/NDF: 720.3/45

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 7.135+/-0.256 χ^2/NDF:1072.9/38

Out: 6.999+/-0.257 χ^2/NDF:1053.5/40

All: 7.067+/-0.181 χ^2/NDF: 2126.5/79



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: 31.895+/-0.378 χ^2/NDF:2767.3/22

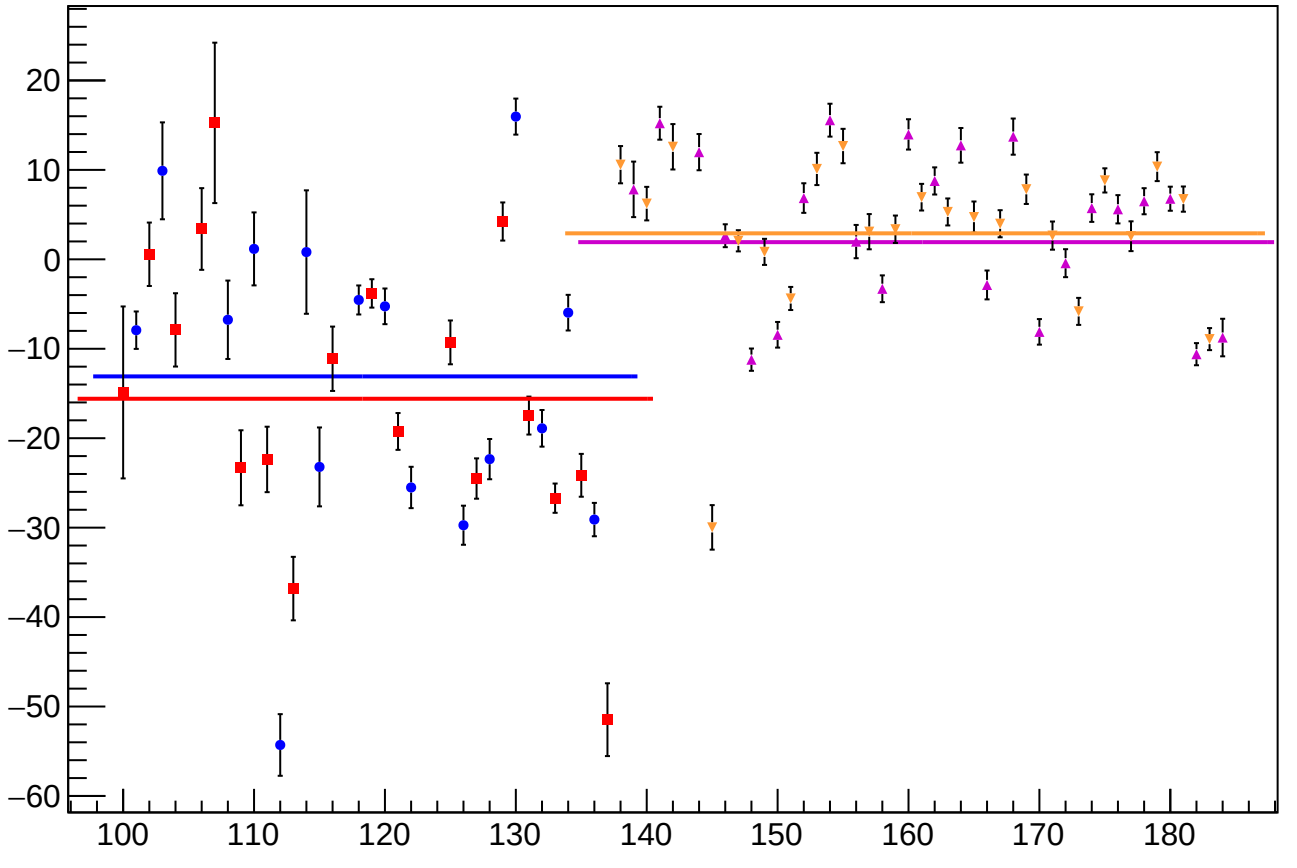
Left: 31.840+/-0.268 χ^2/NDF: 5486.0/45

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 35.007+/-0.317 χ^2/NDF:10165.5/38

Out: 37.141+/-0.323 χ^2/NDF:10054.5/40

All: 36.056+/-0.226 χ^2/NDF: 20242.3/79



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: 1.921+/-0.332 χ^2/NDF:678.8/22

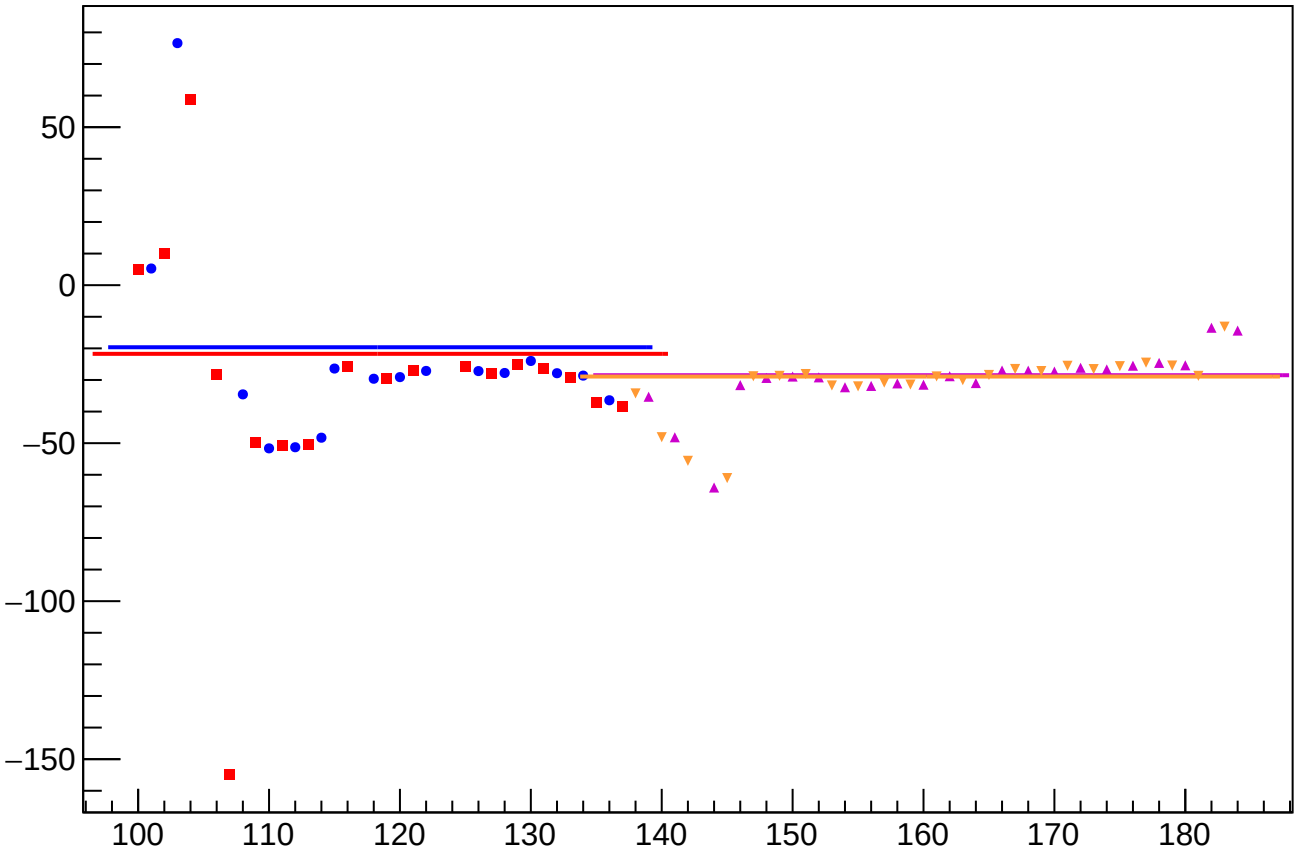
Left: 2.417+/-0.234 χ^2/NDF: 1158.8/45

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -1.600+/-0.290 χ^2/NDF:1798.3/38

Out: -1.104+/-0.292 χ^2/NDF:1559.2/40

All: -1.353+/-0.206 χ^2/NDF: 3358.9/79



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: -28.495+/-0.015 χ^2/NDF:287757.4/22

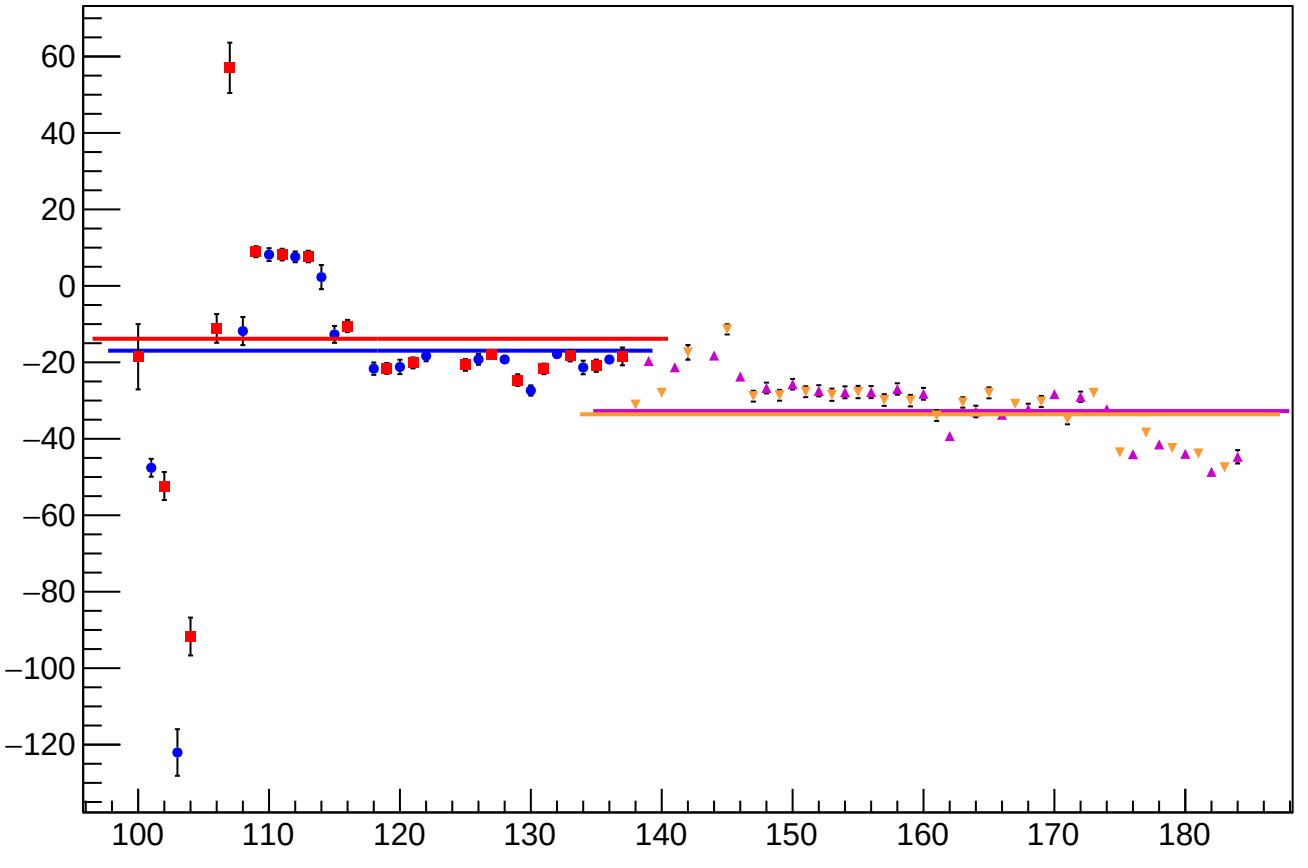
Left: -28.702+/-0.011 χ^2/NDF: 593619.5/45

Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -27.221+/-0.014 χ^2/NDF:986111.6/38

Out: -27.988+/-0.014 χ^2/NDF:881852.3/40

All: -27.597+/-0.010 χ^2/NDF: 1869500.6/79



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: -32.750+/-0.269 χ^2/NDF:1143.5/22

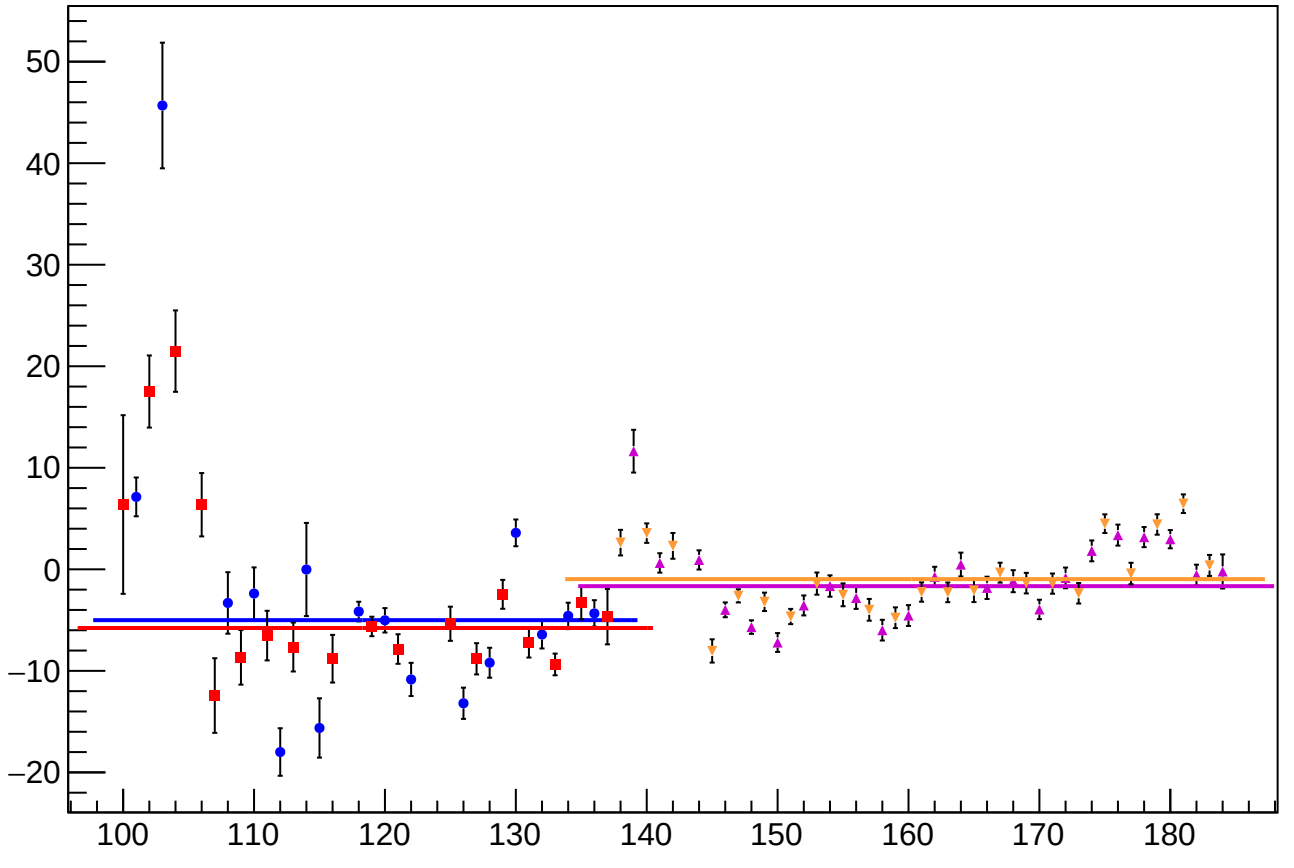
Left: -33.174+/-0.189 χ^2/NDF: 2161.7/45

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -27.906+/-0.224 χ^2/NDF:3333.1/38

Out: -27.696+/-0.224 χ^2/NDF:3981.5/40

All: -27.801+/-0.158 χ^2/NDF: 7315.1/79



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -0.967+/-0.204 χ^2/NDF:274.1/22

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.308+/-0.145 χ^2/NDF: 544.2/45

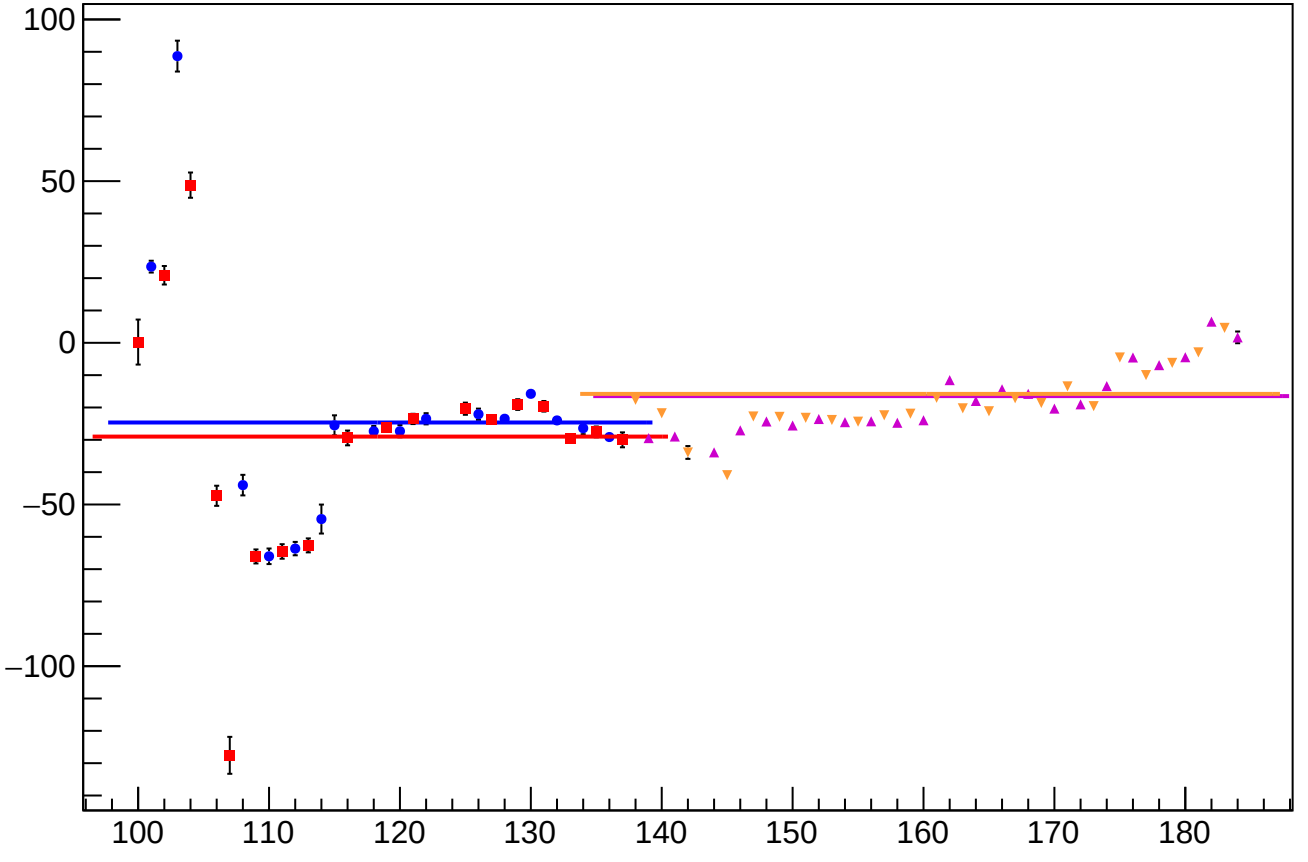
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -2.360+/-0.184 χ^2/NDF:567.1/38

Out: -1.888+/-0.183 χ^2/NDF:519.9/40

All: -2.124+/-0.130 χ^2/NDF: 1090.3/79

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: -16.480+/-0.266 χ^2/NDF:1697.7/22

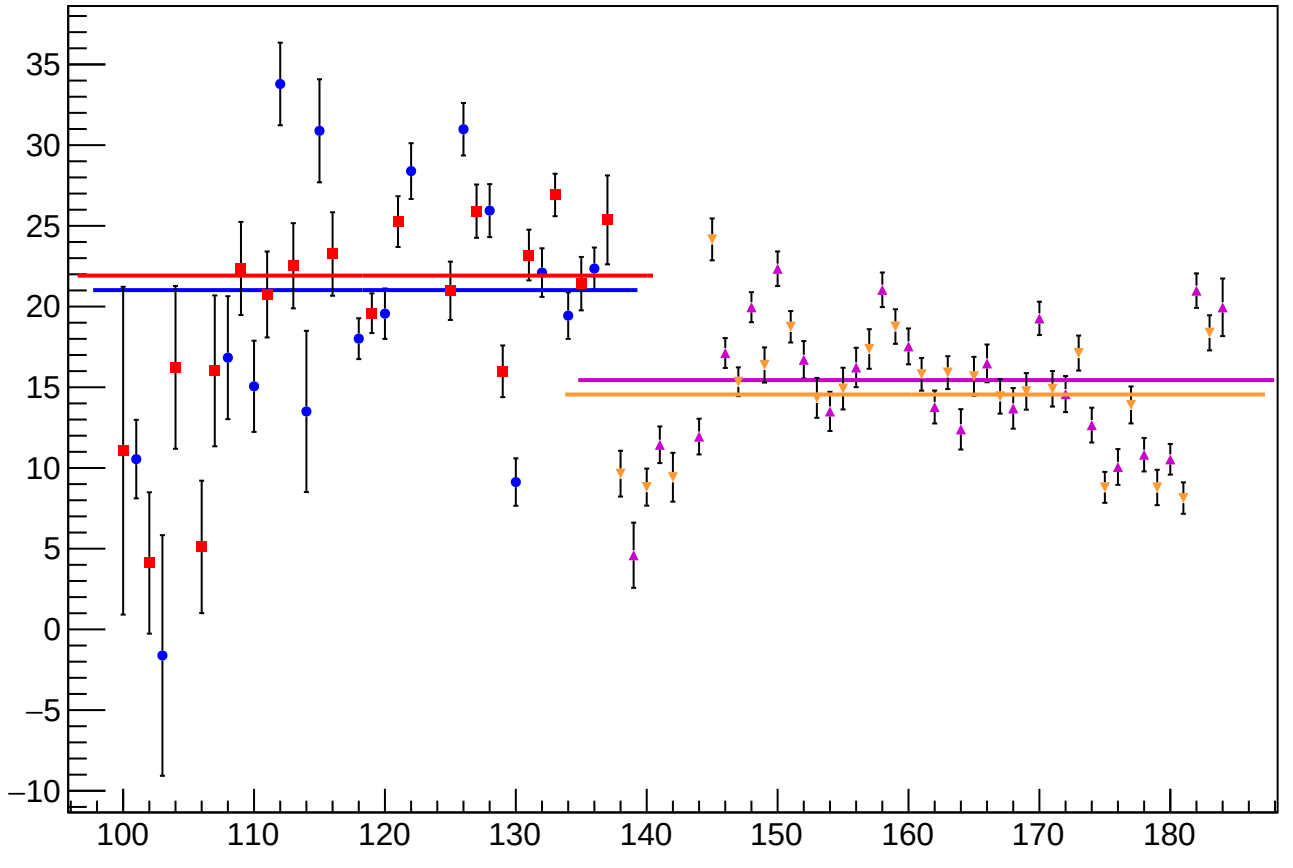
Left: -16.138+/-0.188 χ^2/NDF: 3203.5/45

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -18.558+/-0.230 χ^2/NDF:3989.4/38

Out: -18.926+/-0.231 χ^2/NDF:4044.1/40

All: -18.741+/-0.163 χ^2/NDF: 8034.8/79



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: 15.444+/-0.233 χ^2/NDF:290.4/22

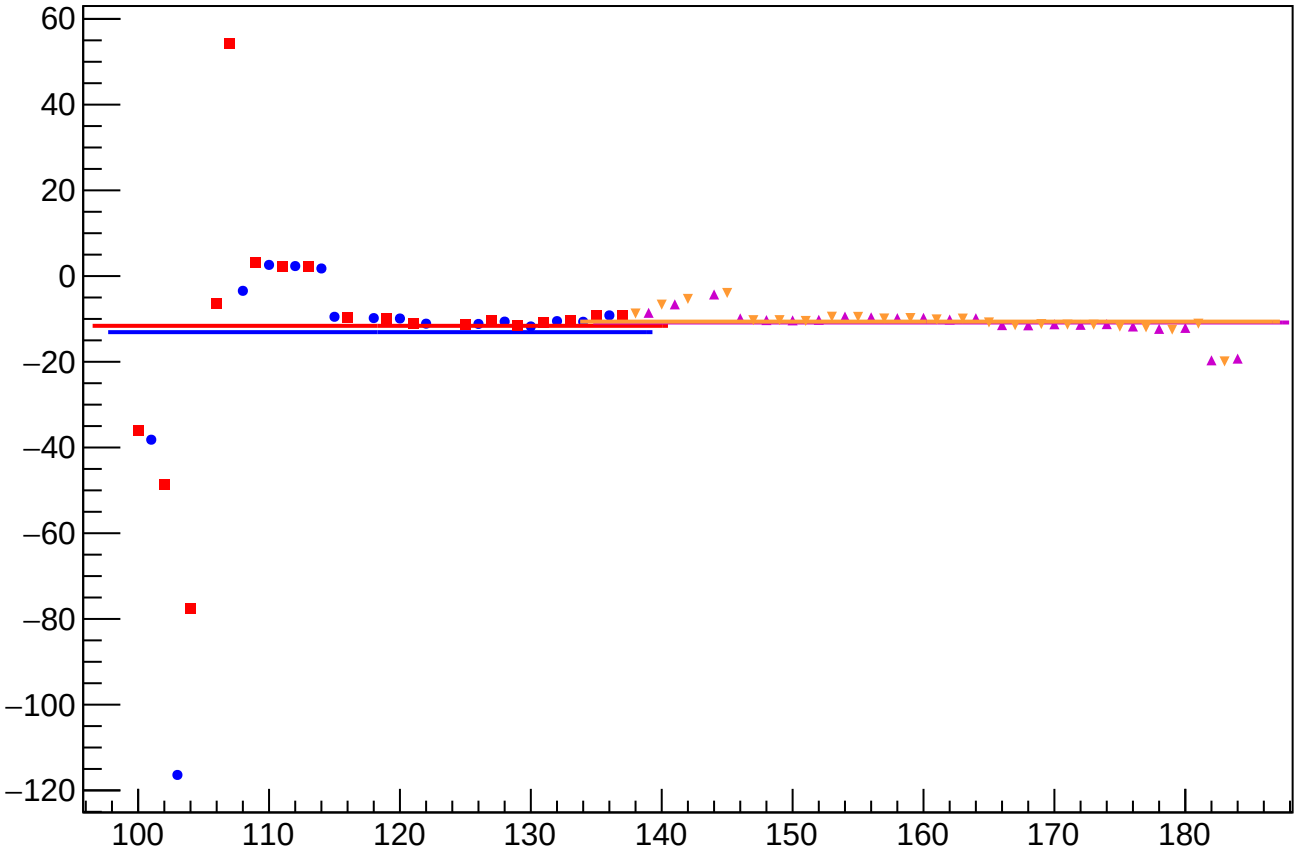
Left: 14.994+/-0.164 χ^2/NDF: 573.6/45

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 16.590+/-0.208 χ^2/NDF:617.6/38

Out: 15.942+/-0.208 χ^2/NDF:550.7/40

All: 16.267+/-0.147 χ^2/NDF: 1173.2/79



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: -10.834+/-0.010 χ^2/NDF:74113.9/22

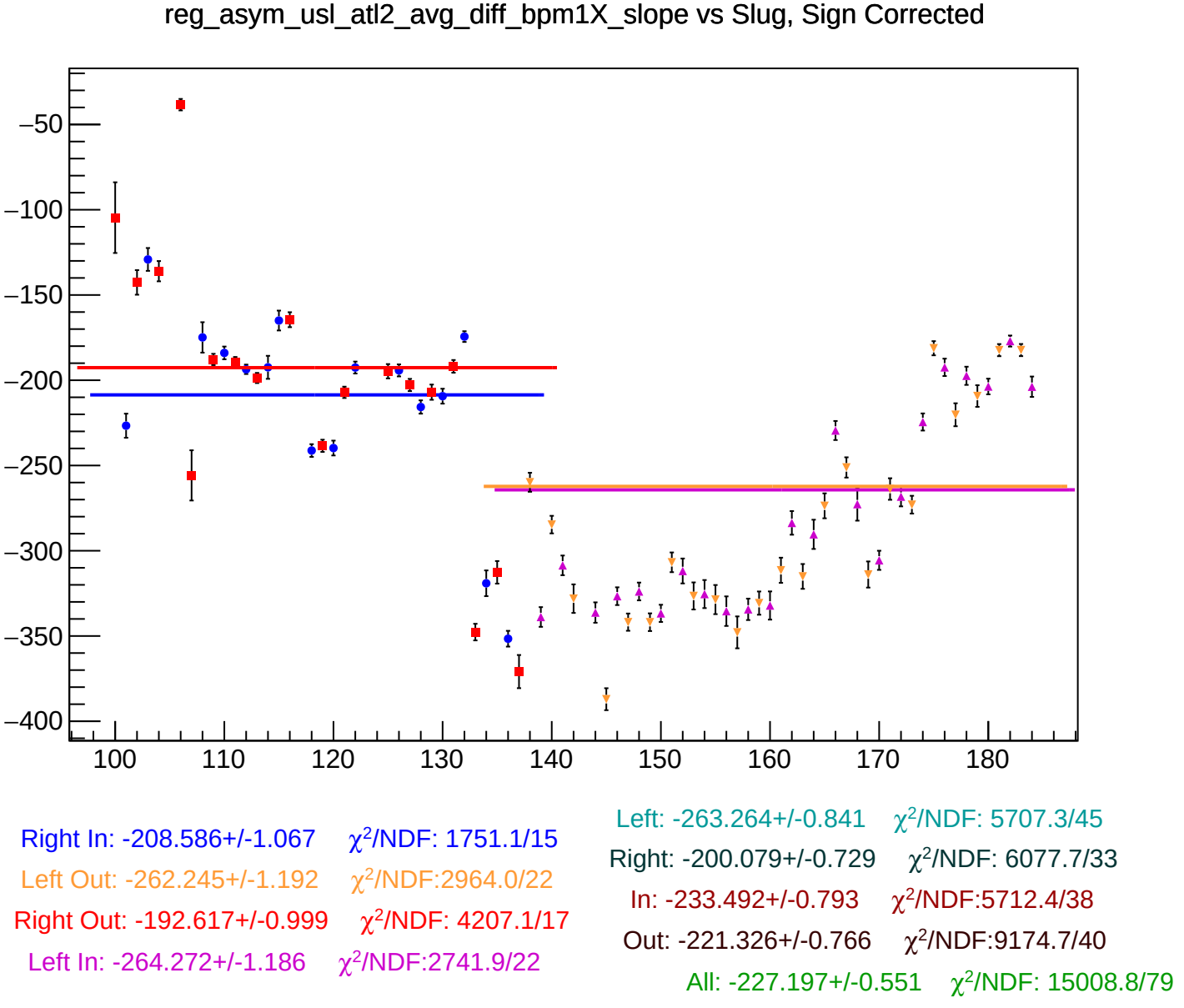
Left: -10.730+/-0.007 χ^2/NDF: 145586.6/45

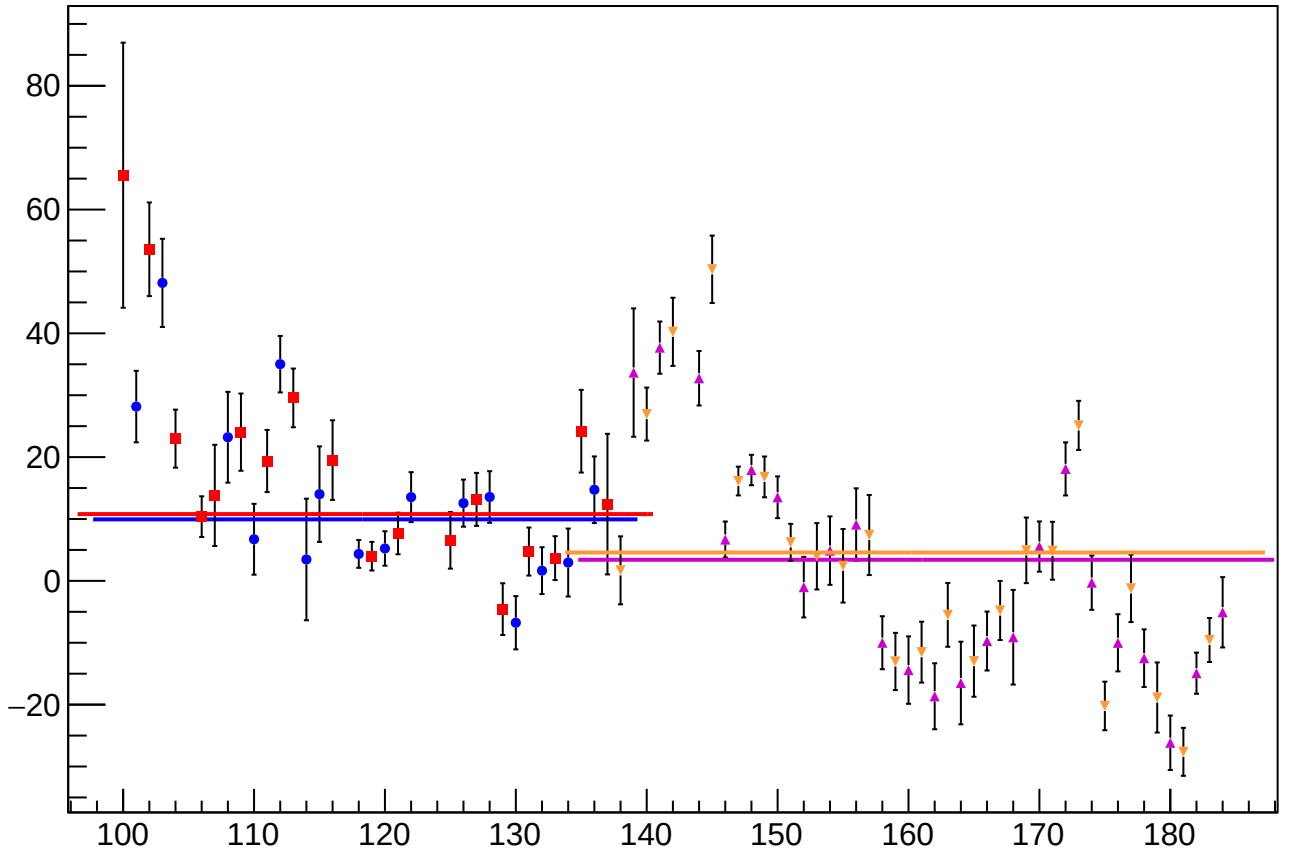
Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -11.096+/-0.010 χ^2/NDF:424605.6/38

Out: -10.725+/-0.010 χ^2/NDF:386365.4/40

All: -10.913+/-0.007 χ^2/NDF: 811693.6/79


reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
100
110
120
130
140
150
160
170
180
Right In: -208.586+/-1.067 χ²/NDF: 1751.1/15
Left Out: -262.245+/-1.192 χ²/NDF:2964.0/22
Right Out: -192.617+/-0.999 χ²/NDF: 4207.1/17
Left In: -264.272+/-1.186 χ²/NDF:2741.9/22
Left: -263.264+/-0.841 χ²/NDF: 5707.3/45
Right: -200.079+/-0.729 χ²/NDF: 6077.7/33
In: -233.492+/-0.793 χ²/NDF:5712.4/38
Out: -221.326+/-0.766 χ²/NDF:9174.7/40
All: -227.197+/-0.551 χ²/NDF: 15008.8/79



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 4.585+/-0.894 χ^2/NDF:391.3/22

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.002+/-0.635 χ^2/NDF: 725.5/45

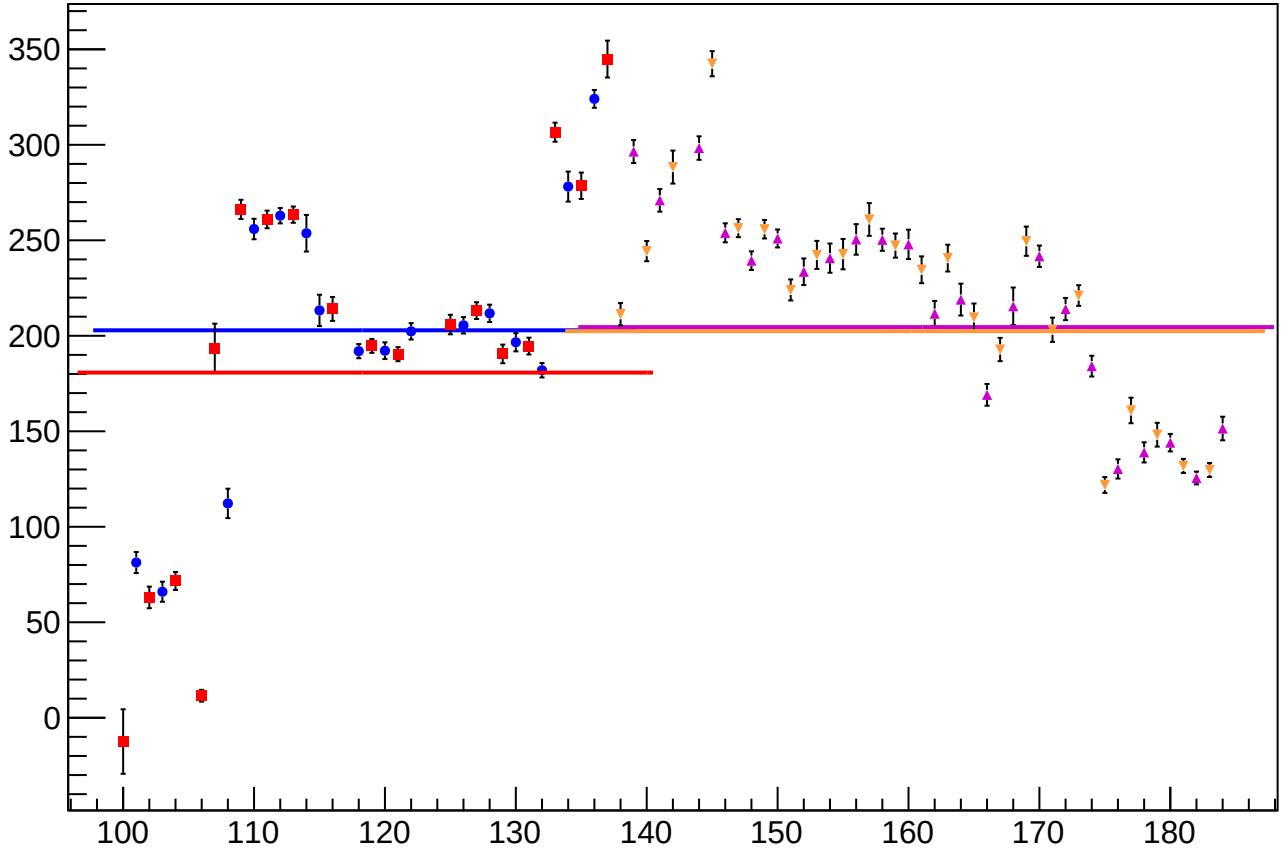
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 6.131+/-0.688 χ^2/NDF:461.8/38

Out: 7.211+/-0.679 χ^2/NDF:516.8/40

All: 6.678+/-0.483 χ^2/NDF: 979.8/79

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 202.423+/-1.185 χ^2/NDF:2393.2/22

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

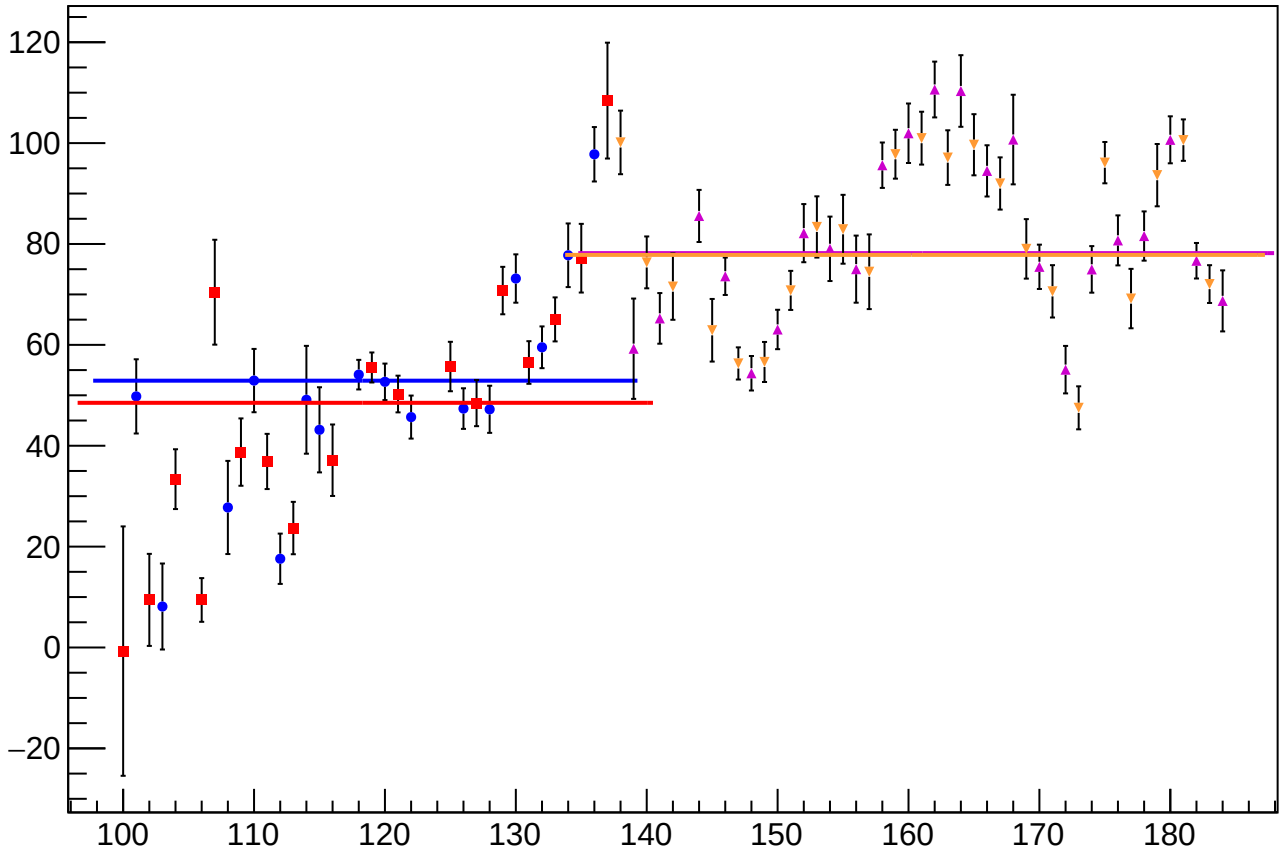
Left: 203.499+/-0.835 χ^2/NDF: 4680.5/45

Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 203.751+/-0.849 χ^2/NDF:4750.9/38

Out: 191.193+/-0.823 χ^2/NDF:8914.7/40

All: 197.276+/-0.591 χ^2/NDF: 13778.3/79



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: 78.189+/-1.026 χ^2/NDF:232.5/22

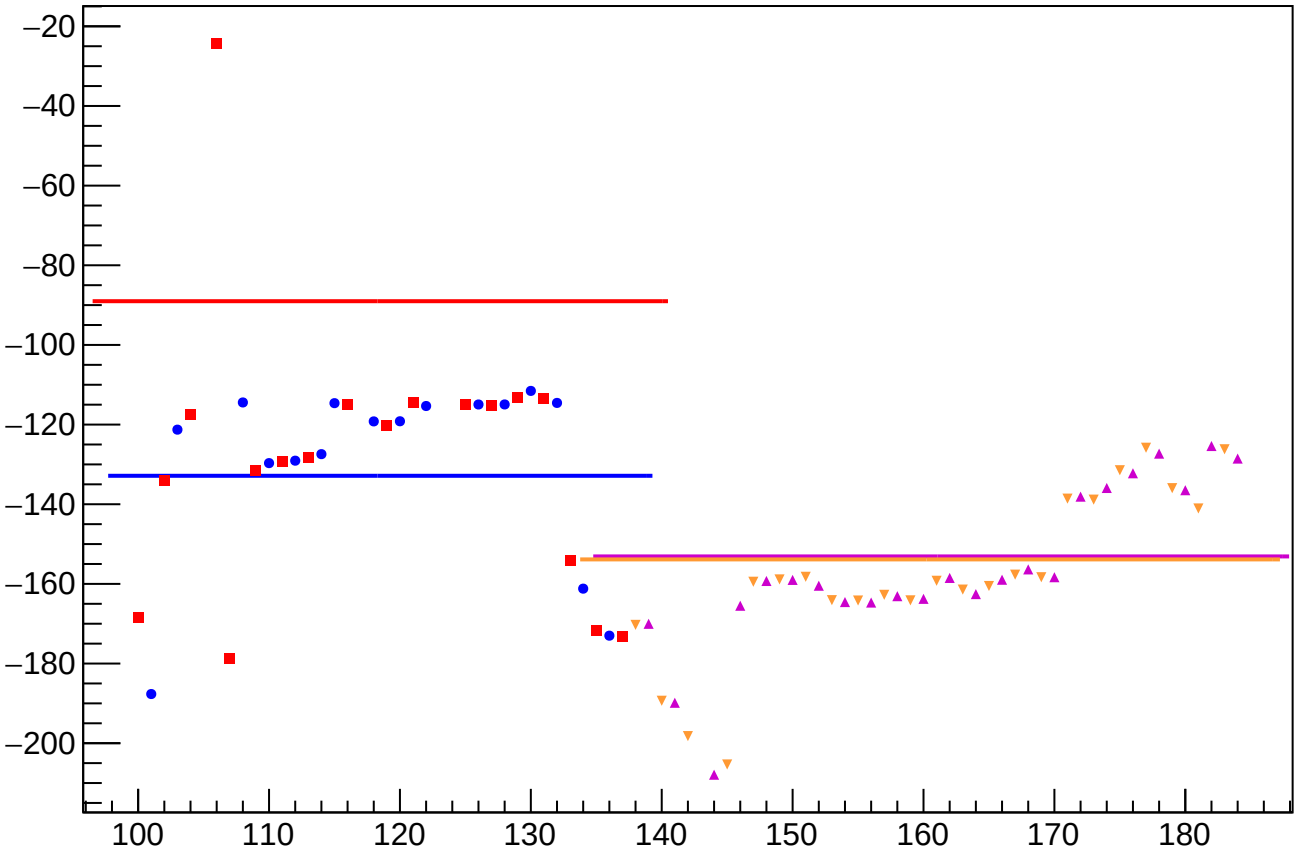
Left: 78.014+/-0.725 χ^2/NDF: 514.8/45

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 67.931+/-0.791 χ^2/NDF:677.5/38

Out: 65.630+/-0.783 χ^2/NDF:862.8/40

All: 66.770+/-0.557 χ^2/NDF: 1544.5/79



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -153.852+/-0.048 χ^2/NDF:168222.6/22

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

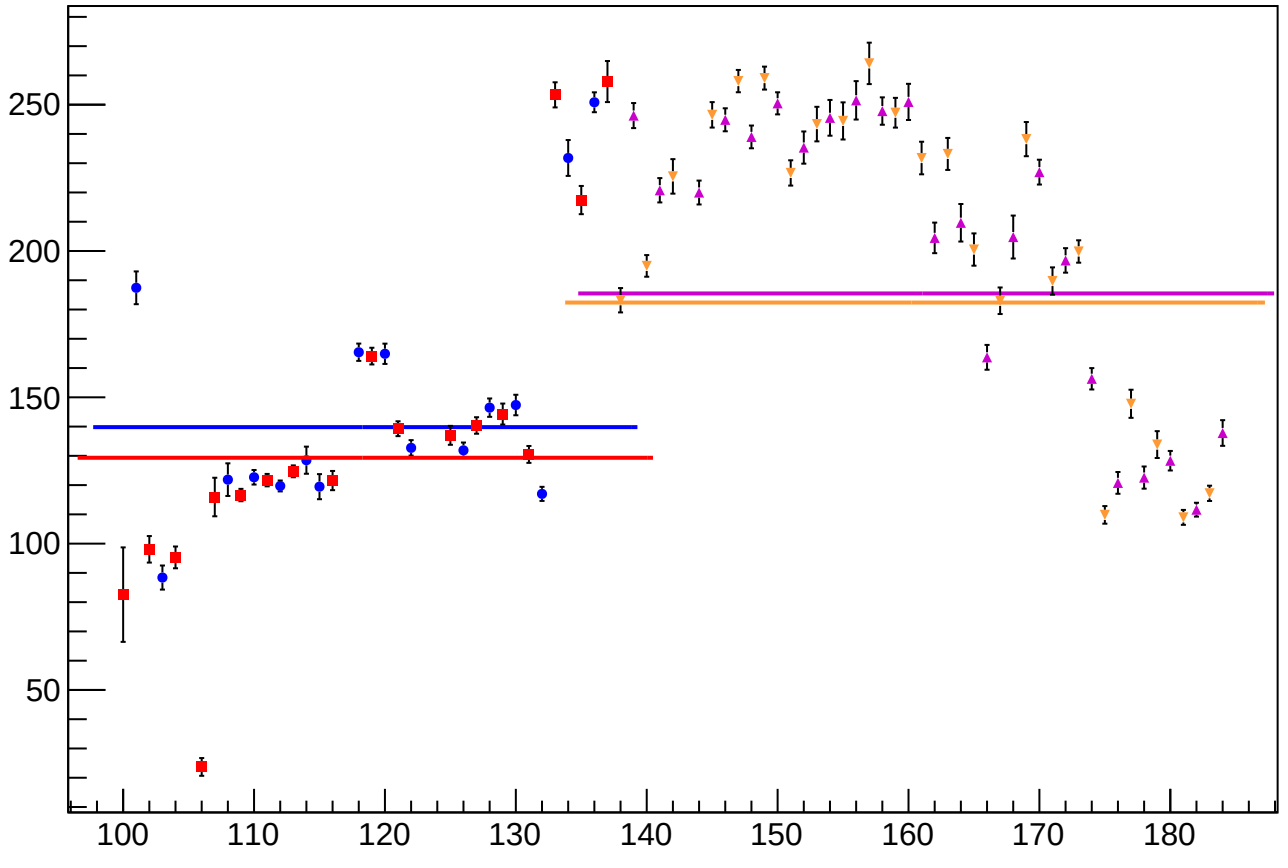
Left: -153.470+/-0.033 χ^2/NDF: 334993.3/45

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -148.095+/-0.040 χ^2/NDF:306763.2/38

Out: -130.854+/-0.038 χ^2/NDF:1555026.2/40

All: -138.984+/-0.028 χ^2/NDF: 1957757.3/79



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: 185.497+/-0.872 χ^2/NDF:3822.2/22

Left: 183.946+/-0.618 χ^2/NDF: 7978.3/45

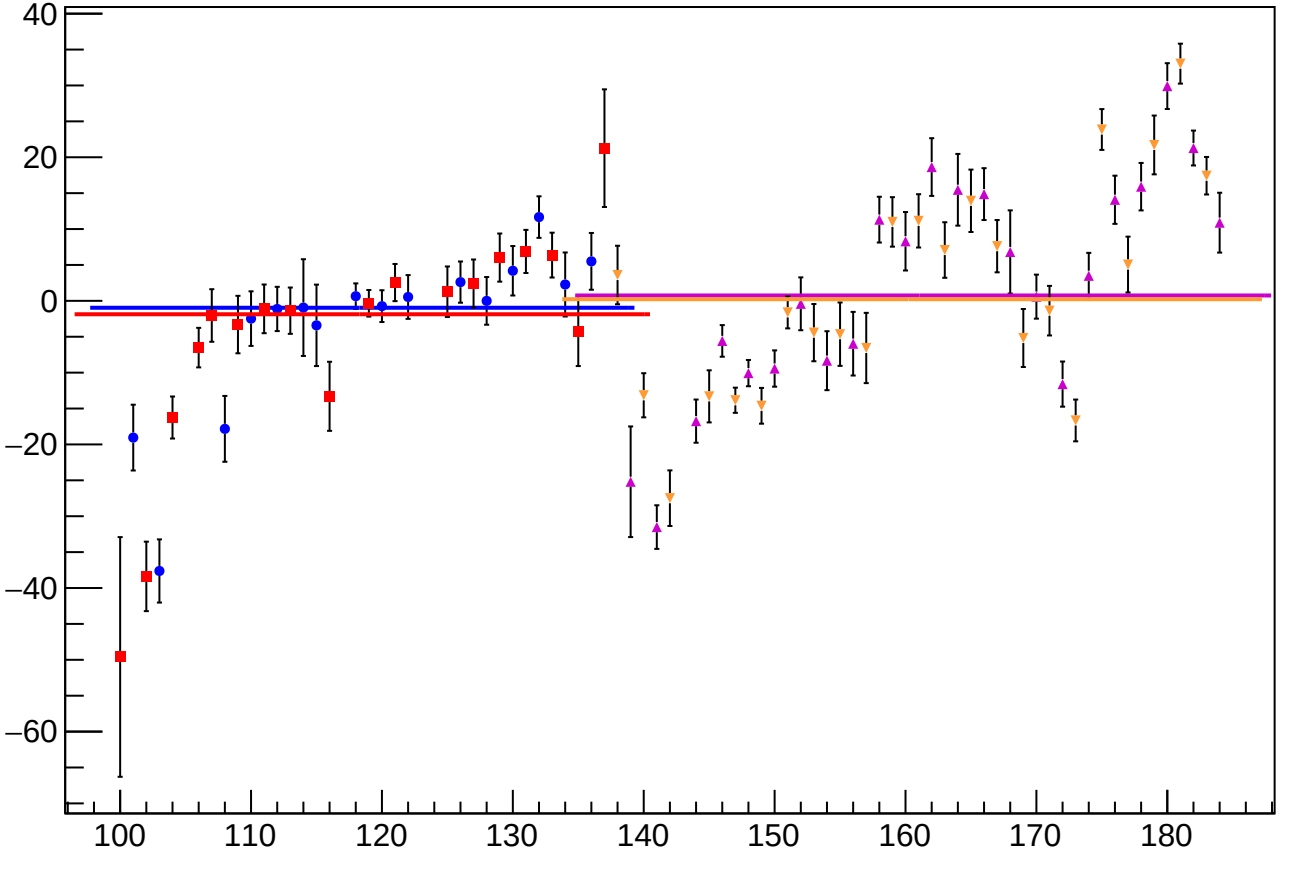
Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 160.238+/-0.583 χ^2/NDF:7303.4/38

Out: 151.243+/-0.563 χ^2/NDF:9427.7/40

All: 155.578+/-0.405 χ^2/NDF: 16854.3/79

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: 0.227+/-0.660 χ^2/NDF:541.8/22

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

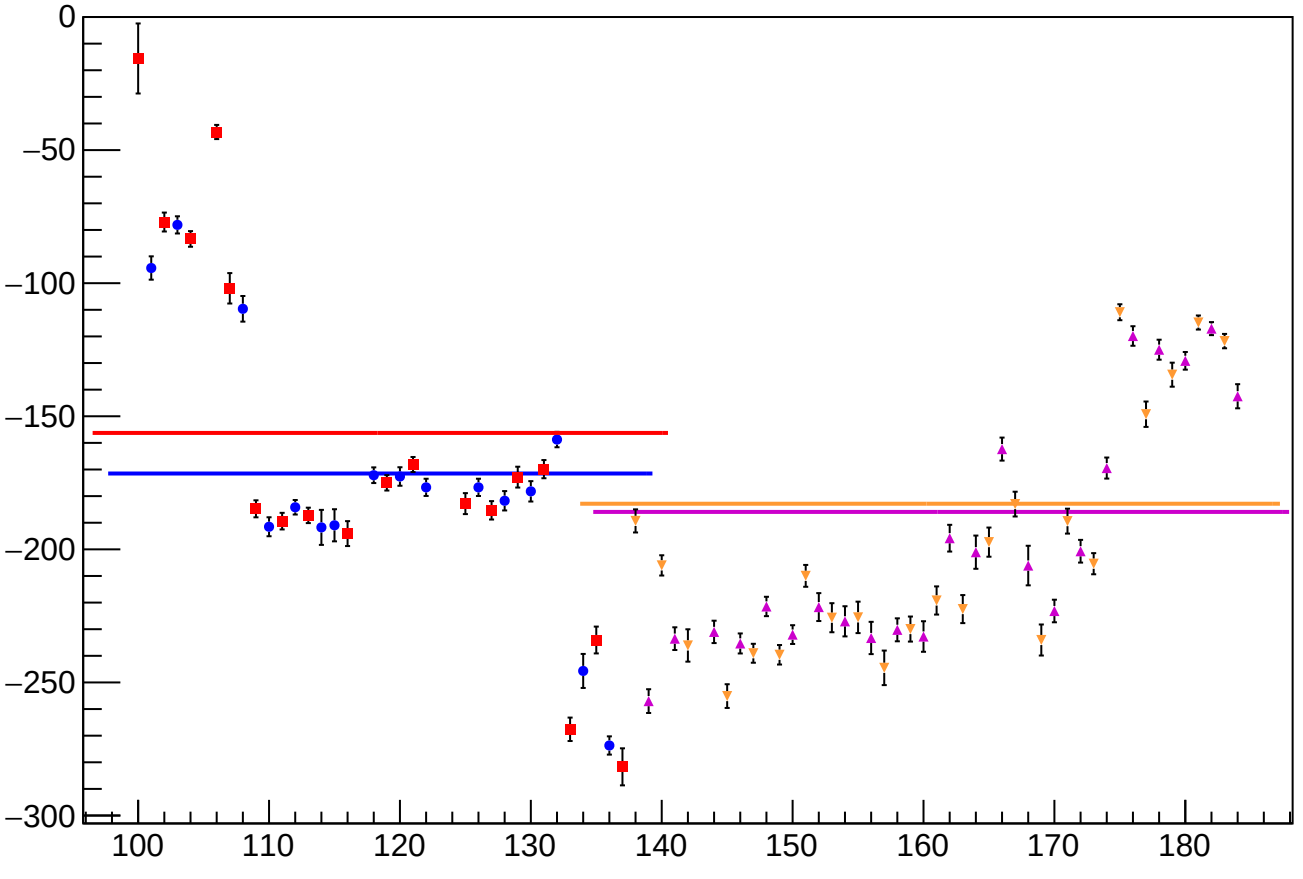
Left: 0.485+/-0.469 χ^2/NDF: 1039.9/45

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: 0.056+/-0.514 χ^2/NDF:626.5/38

Out: -0.643+/-0.505 χ^2/NDF:679.1/40

All: -0.299+/-0.360 χ^2/NDF: 1306.6/79



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: -185.936+/-0.867 χ^2/NDF:3181.6/22

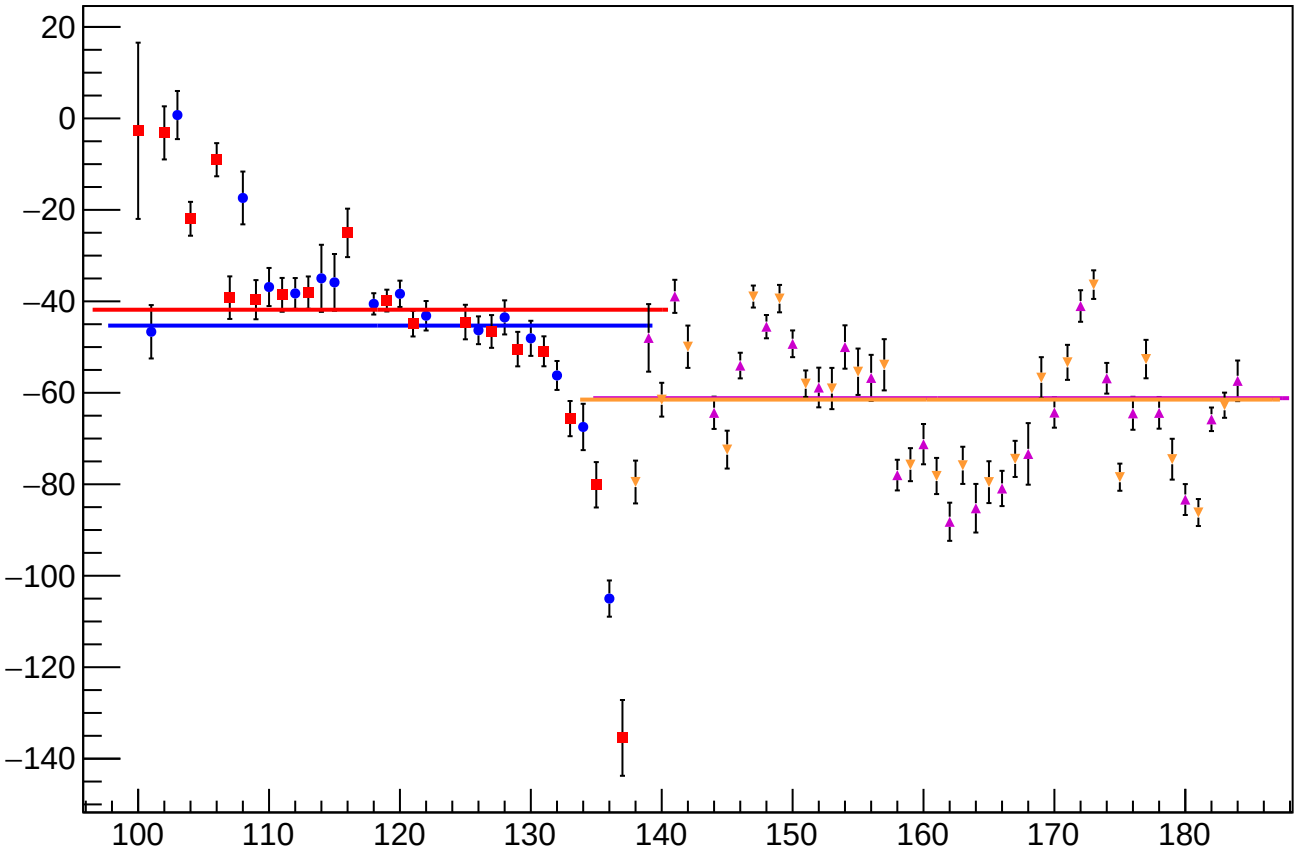
Left: -184.405+/-0.615 χ^2/NDF: 6542.5/45

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -179.044+/-0.627 χ^2/NDF:5756.6/38

Out: -169.192+/-0.607 χ^2/NDF:8738.1/40

All: -173.964+/-0.436 χ^2/NDF: 14622.2/79



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -61.482+/-0.757 χ^2/NDF:433.4/22

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

Left: -61.327+/-0.535 χ^2/NDF: 750.5/45

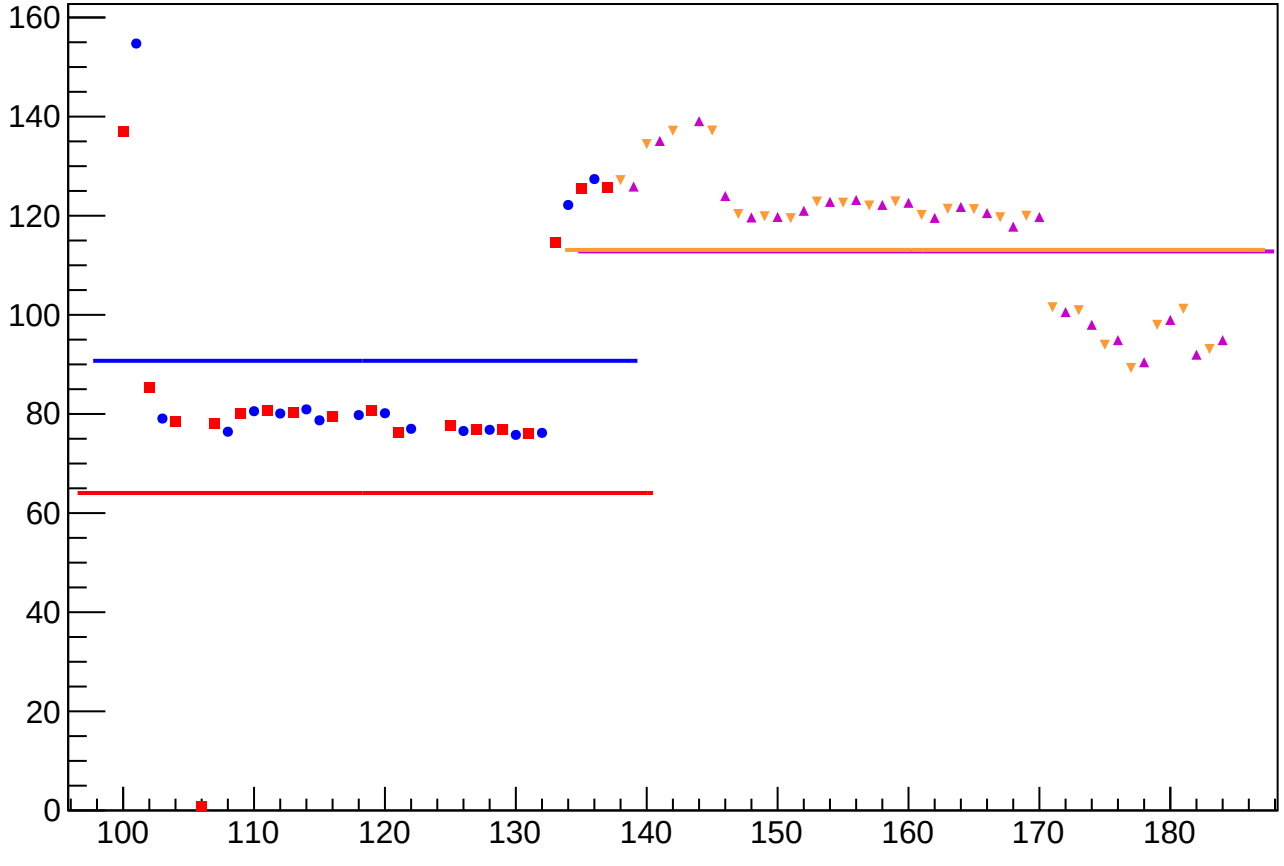
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -54.912+/-0.589 χ^2/NDF:872.4/38

Out: -53.445+/-0.582 χ^2/NDF:1123.7/40

All: -54.169+/-0.414 χ^2/NDF: 1999.2/79

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 113.099+/-0.035 χ^2/NDF:165320.3/22

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

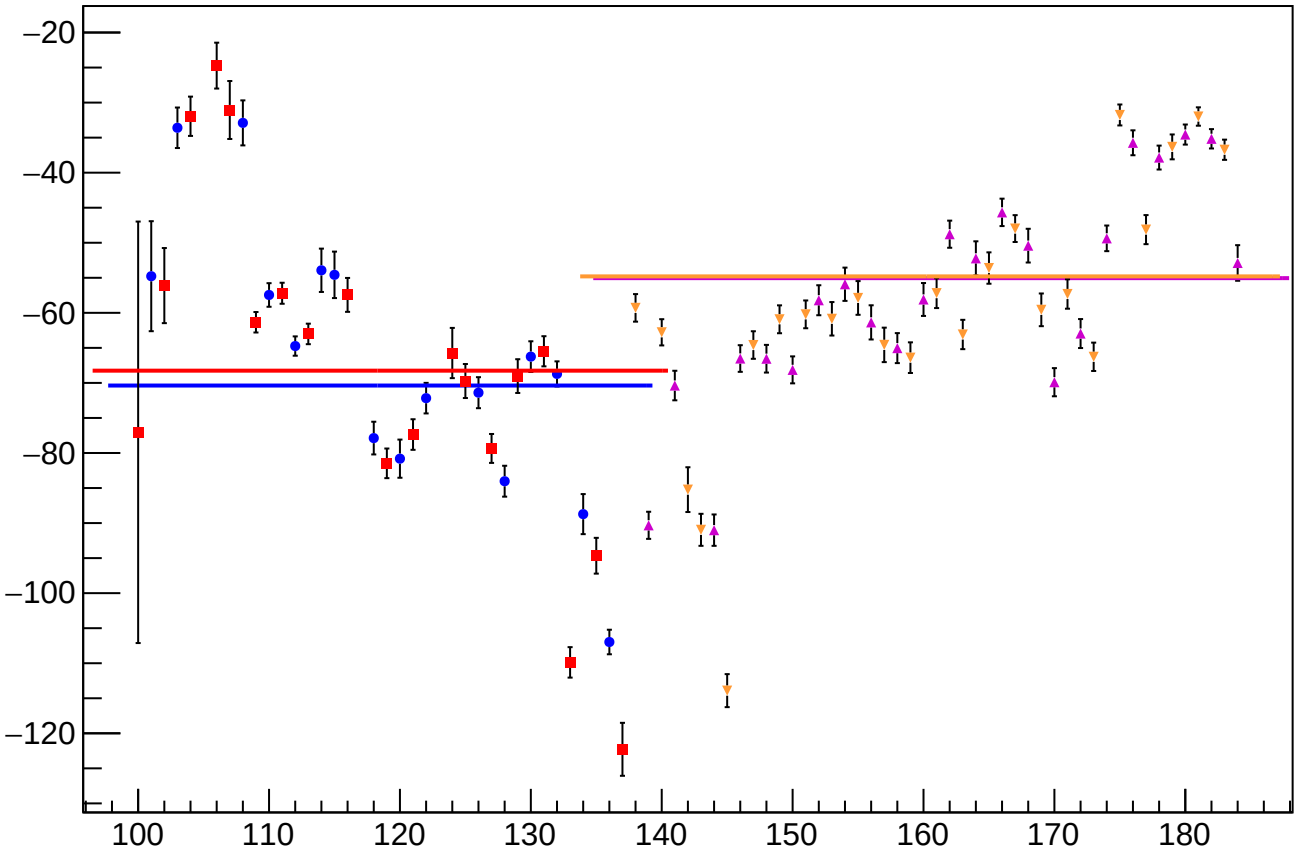
Left: 112.944+/-0.025 χ^2/NDF: 337021.4/45

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 107.114+/-0.030 χ^2/NDF:438556.9/38

Out: 96.618+/-0.029 χ^2/NDF:1483306.5/40

All: 101.669+/-0.021 χ^2/NDF: 1986777.7/79



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: -55.050+/-0.410 χ^2/NDF:1541.8/22

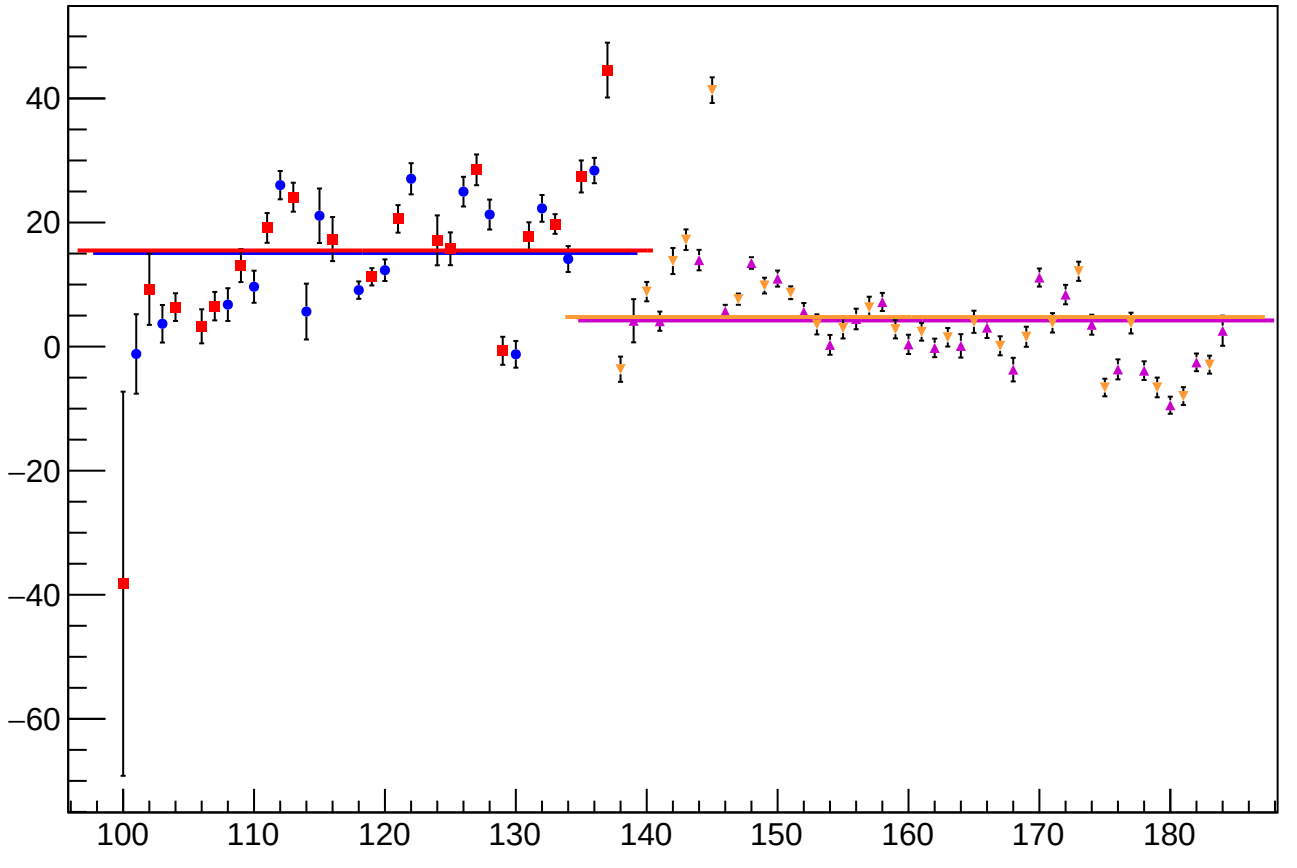
Left: -54.922+/-0.288 χ^2/NDF: 3513.7/46

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -60.433+/-0.331 χ^2/NDF:3006.4/38

Out: -59.777+/-0.320 χ^2/NDF:3688.7/42

All: -60.095+/-0.230 χ^2/NDF: 6697.1/81



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: 4.215+/-0.312 χ^2/NDF:415.1/22

Left: 4.498+/-0.218 χ^2/NDF: 1138.5/46

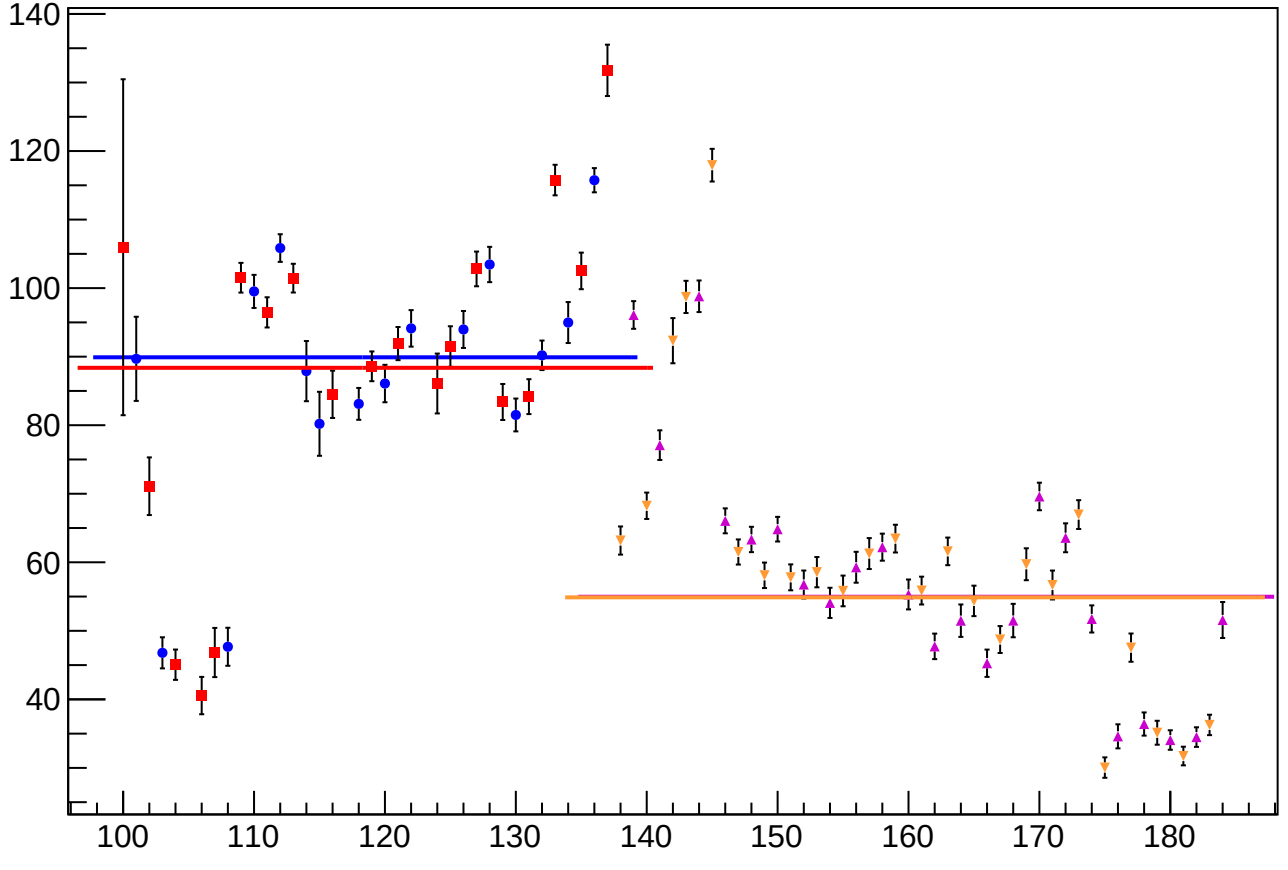
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 6.654+/-0.275 χ^2/NDF:929.5/38

Out: 7.207+/-0.266 χ^2/NDF:1246.3/42

All: 6.940+/-0.191 χ^2/NDF: 2177.9/81

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: 54.972+/-0.406 χ^2/NDF:1780.5/22

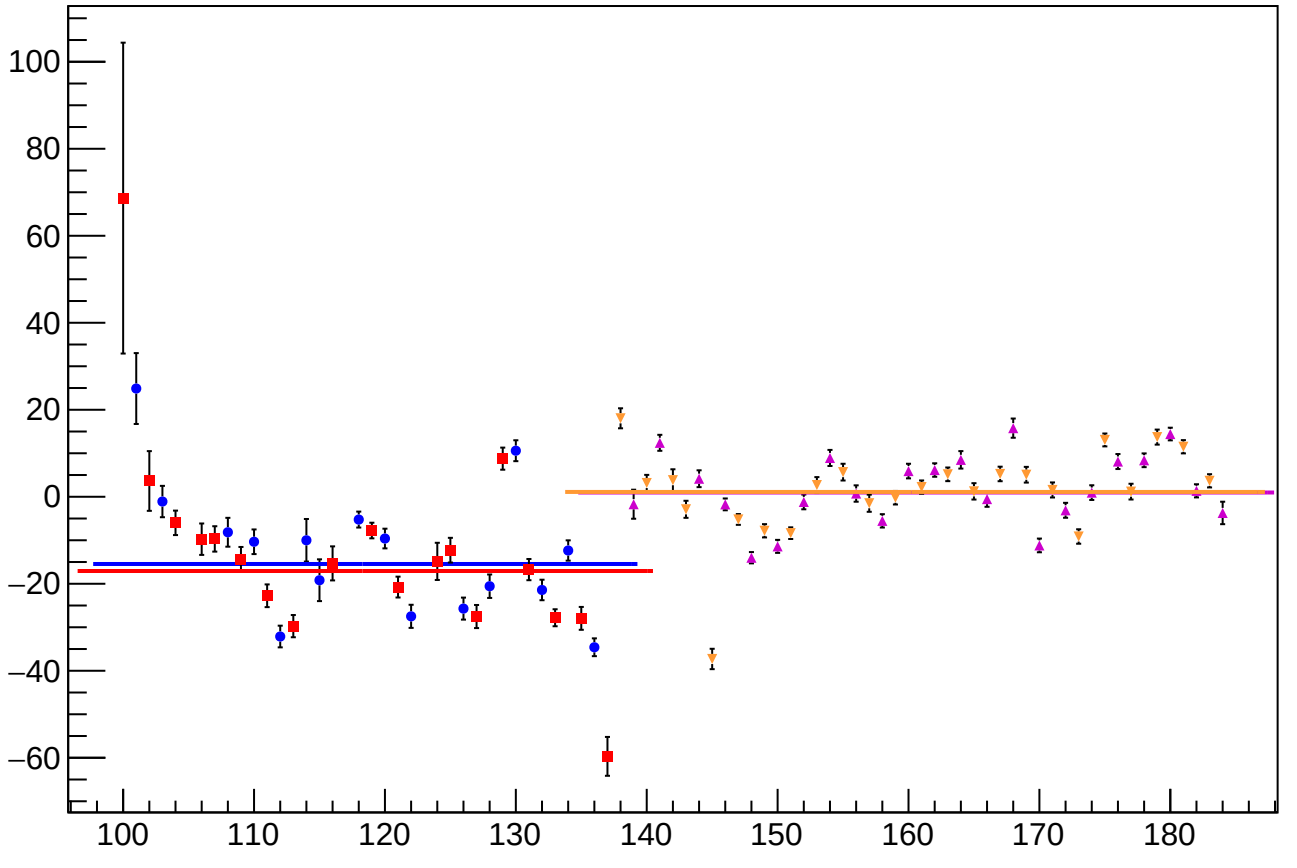
Left: 54.928+/-0.285 χ^2/NDF: 3993.1/46

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 64.967+/-0.343 χ^2/NDF:4850.8/38

Out: 64.775+/-0.336 χ^2/NDF:5574.8/42

All: 64.869+/-0.240 χ^2/NDF: 10425.7/81



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: 0.980+/-0.353 χ^2/NDF:558.5/22

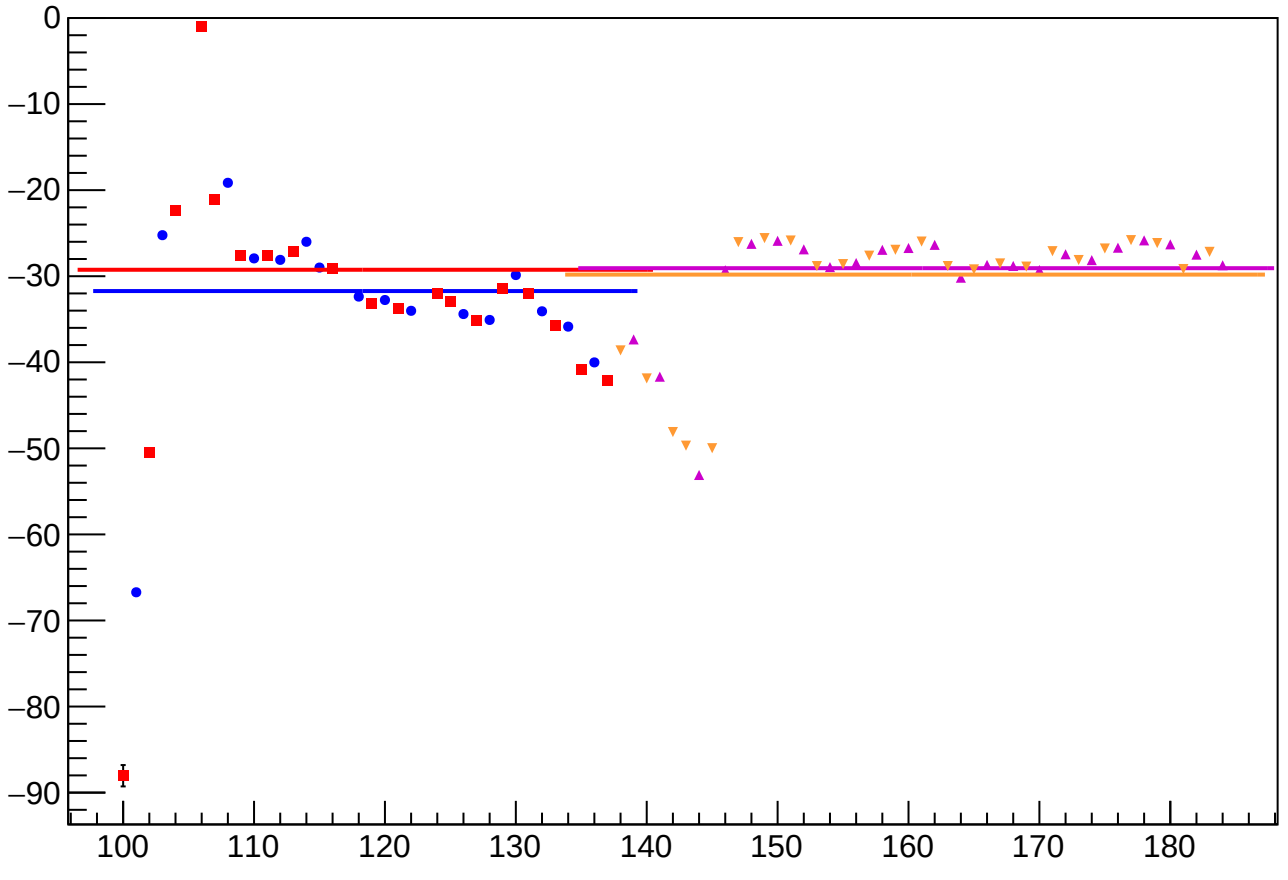
Left: 1.046+/-0.247 χ^2/NDF: 1230.9/46

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -2.634+/-0.312 χ^2/NDF:1420.8/38

Out: -2.951+/-0.304 χ^2/NDF:1652.5/42

All: -2.797+/-0.218 χ^2/NDF: 3073.8/81



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: -29.067+/-0.016 χ^2/NDF:101545.6/22

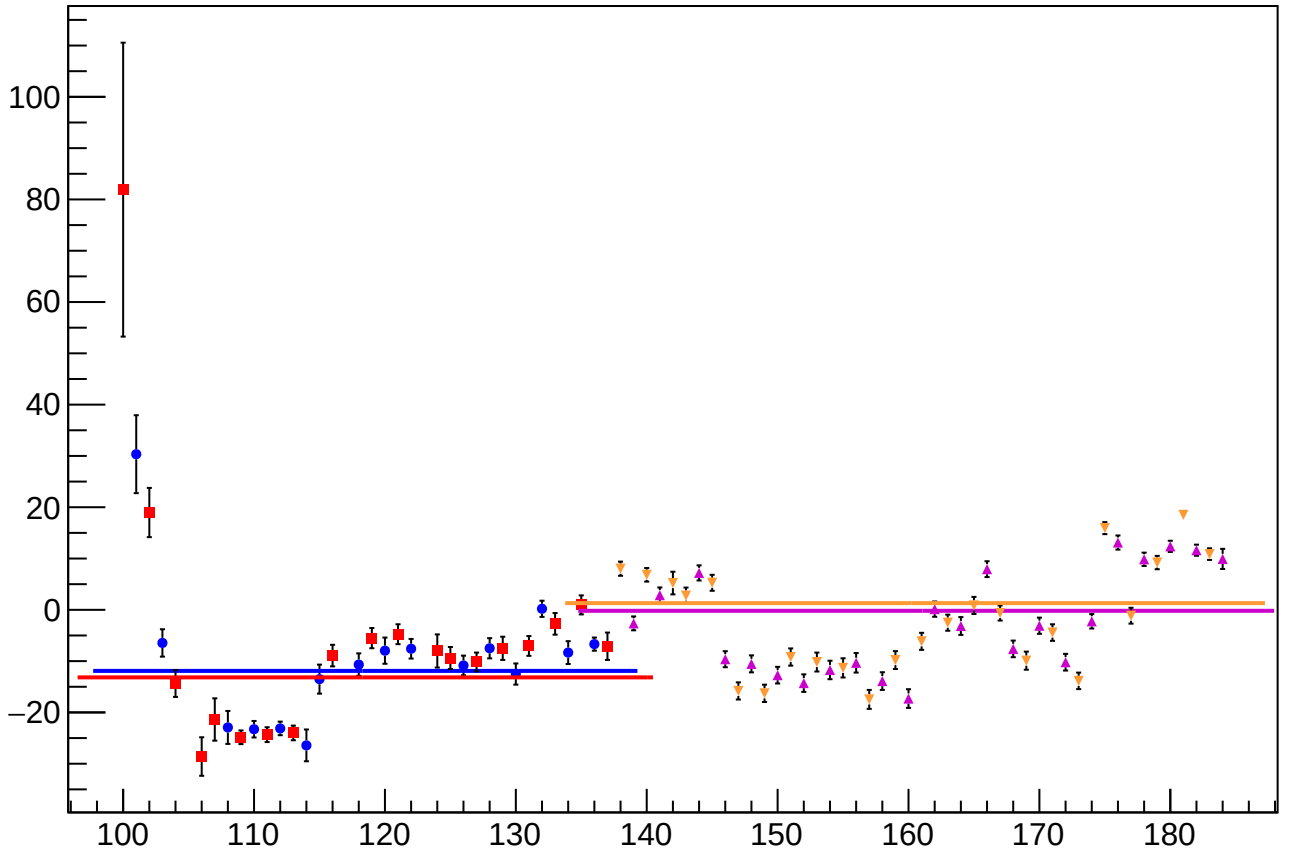
Left: -29.442+/-0.011 χ^2/NDF: 265472.3/46

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -29.450+/-0.015 χ^2/NDF:145257.7/38

Out: -29.732+/-0.015 χ^2/NDF:258228.2/42

All: -29.591+/-0.010 χ^2/NDF: 403672.6/81



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: -0.192+/-0.315 χ^2/NDF:982.8/22

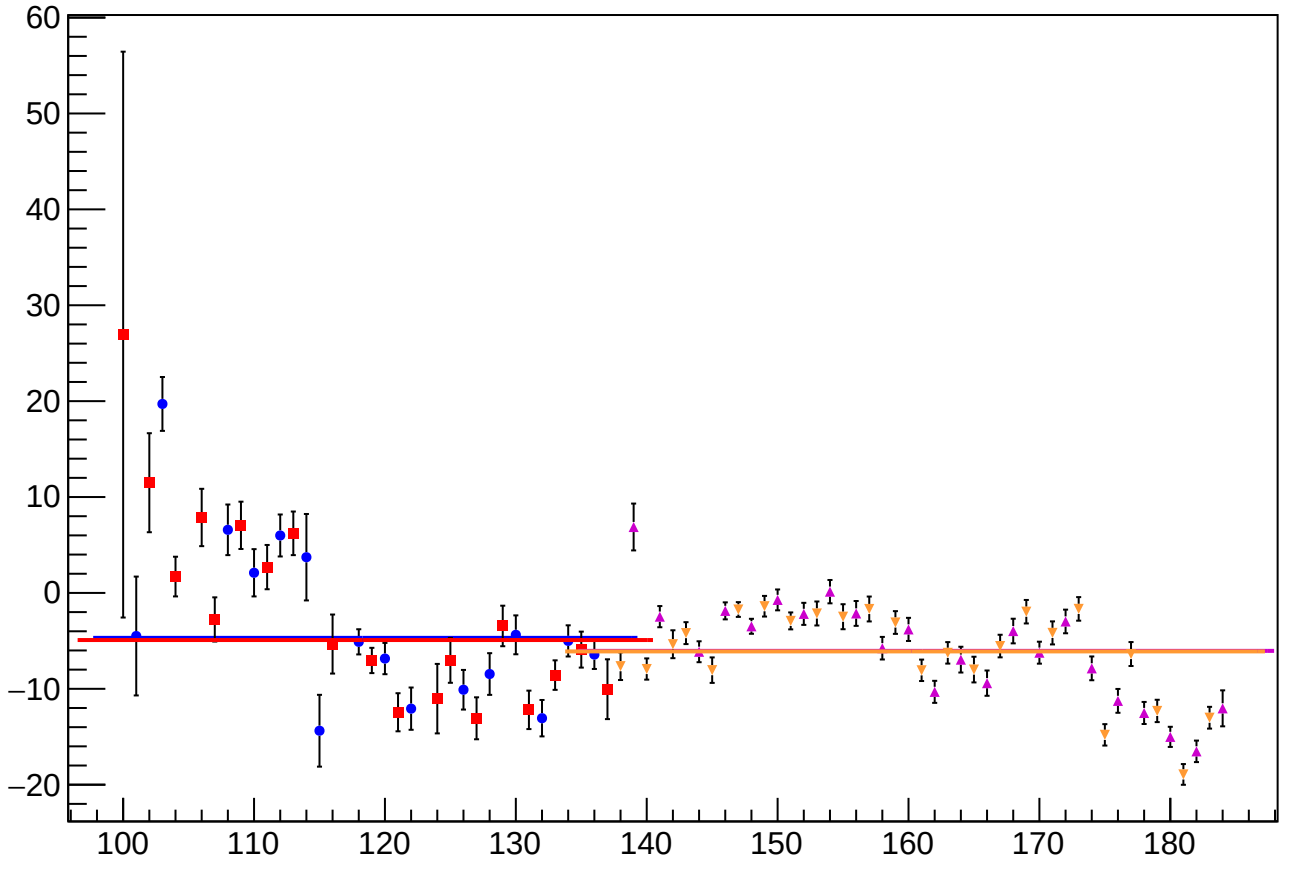
Left: 0.577+/-0.220 χ^2/NDF: 2266.9/46

Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -3.545+/-0.266 χ^2/NDF:1661.8/38

Out: -2.893+/-0.259 χ^2/NDF:2339.3/42

All: -3.210+/-0.185 χ^2/NDF: 4004.3/81



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: -6.043+/-0.243 χ^2/NDF:396.2/22

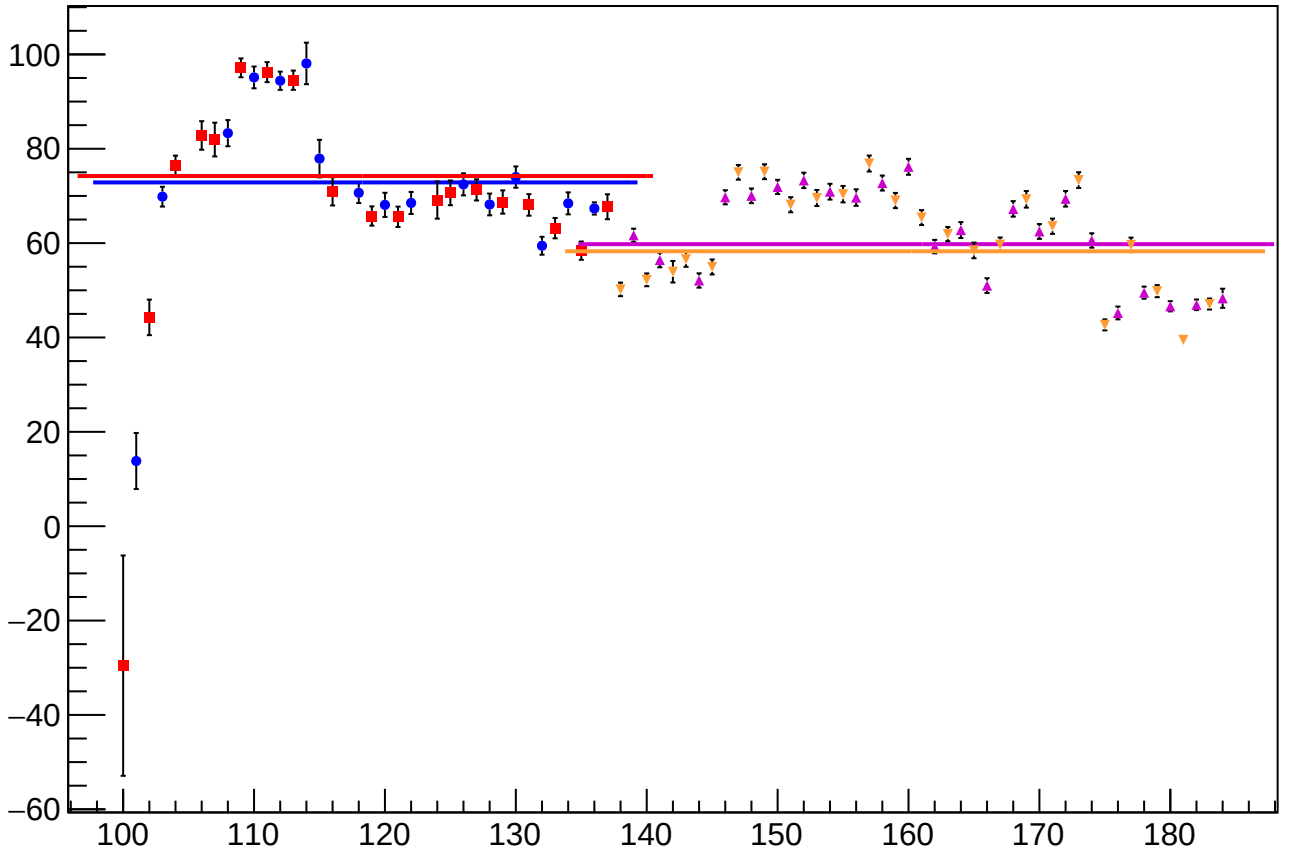
Left: -6.072+/-0.169 χ^2/NDF: 804.9/46

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -5.798+/-0.220 χ^2/NDF:580.9/38

Out: -5.893+/-0.213 χ^2/NDF:568.9/42

All: -5.847+/-0.153 χ^2/NDF: 1149.9/81



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: 59.777+/-0.312 χ^2/NDF:1070.5/22

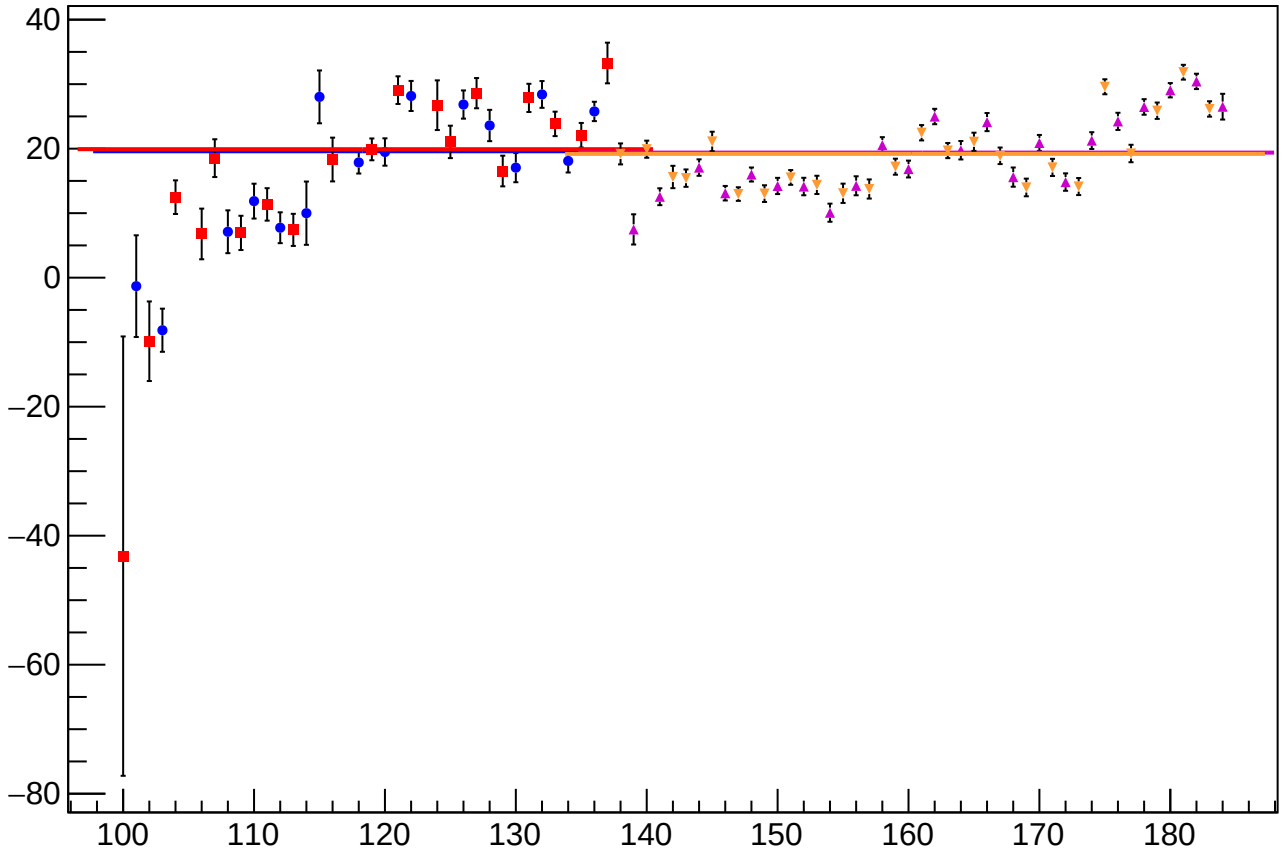
Left: 59.008+/-0.218 χ^2/NDF: 2475.8/46

Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 62.826+/-0.273 χ^2/NDF:1932.4/38

Out: 61.896+/-0.268 χ^2/NDF:2601.0/42

All: 62.353+/-0.191 χ^2/NDF: 4539.3/81



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: 19.390+/-0.274 χ^2/NDF:467.7/22

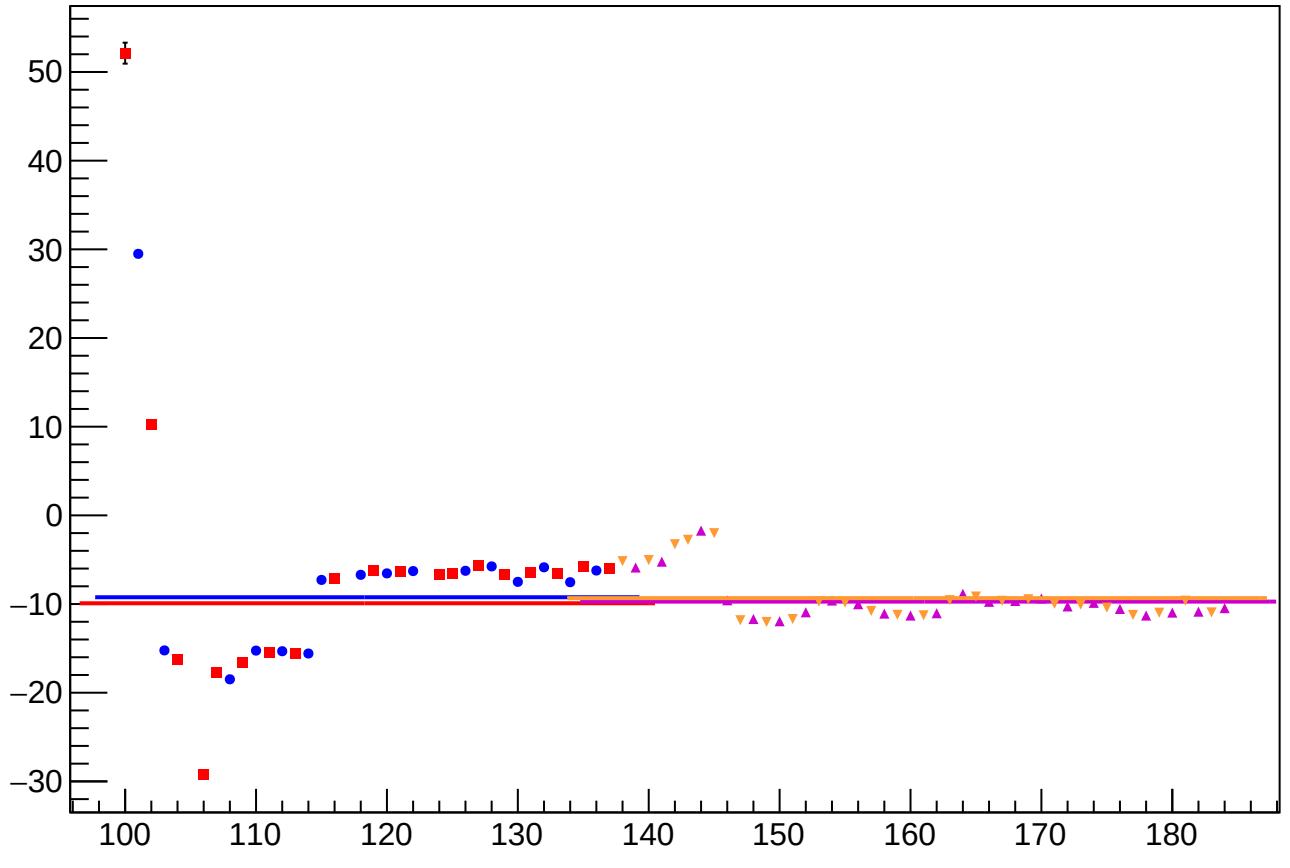
Left: 19.288+/-0.191 χ^2/NDF: 898.7/46

Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 19.427+/-0.248 χ^2/NDF:663.8/38

Out: 19.316+/-0.242 χ^2/NDF:613.3/42

All: 19.370+/-0.173 χ^2/NDF: 1277.2/81



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: -9.726+/-0.012 χ^2/NDF:31951.7/22

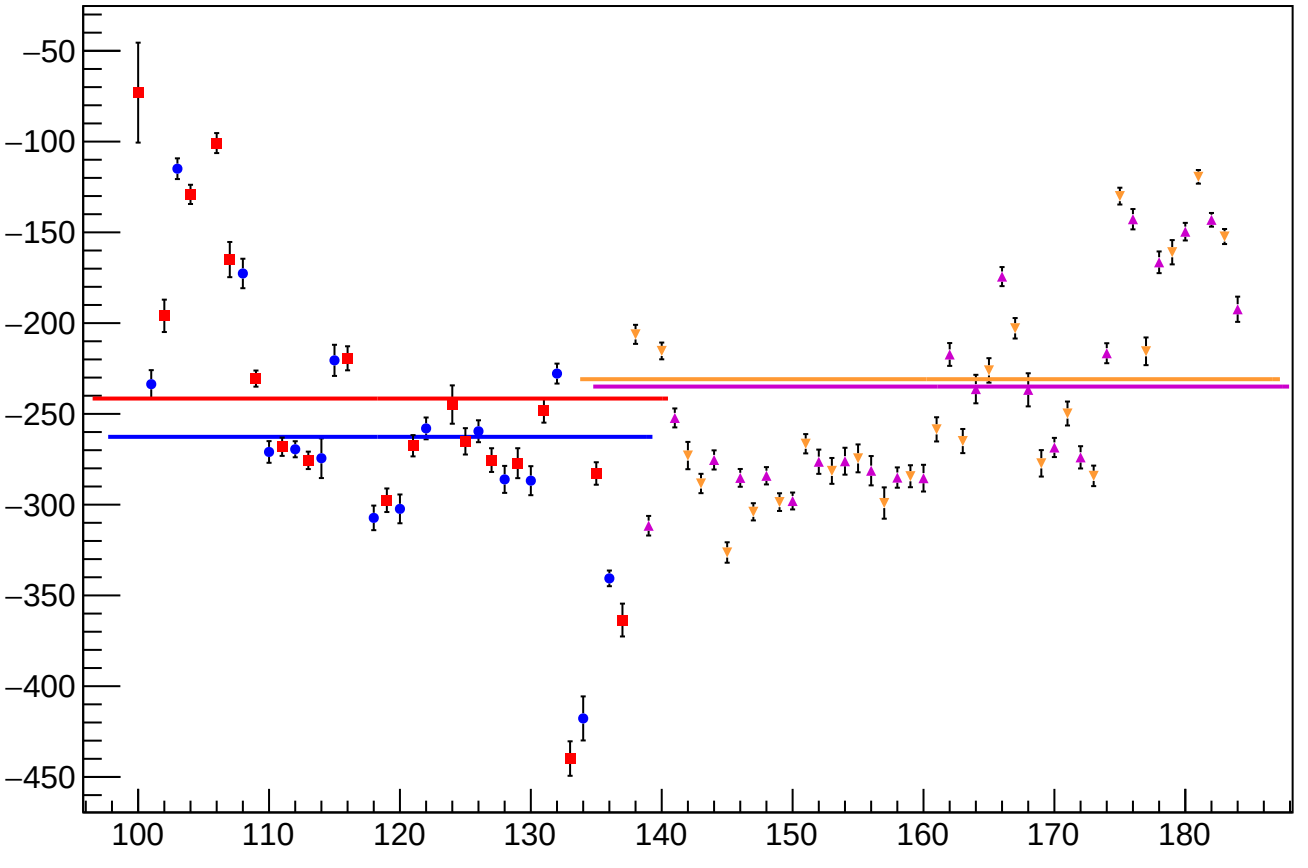
Left: -9.527+/-0.009 χ^2/NDF: 81708.1/46

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.667+/-0.011 χ^2/NDF:63307.6/38

Out: -9.395+/-0.011 χ^2/NDF:103339.5/42

All: -9.530+/-0.008 χ^2/NDF: 166935.0/81



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: -234.951+/-1.176 χ^2/NDF:2470.2/22

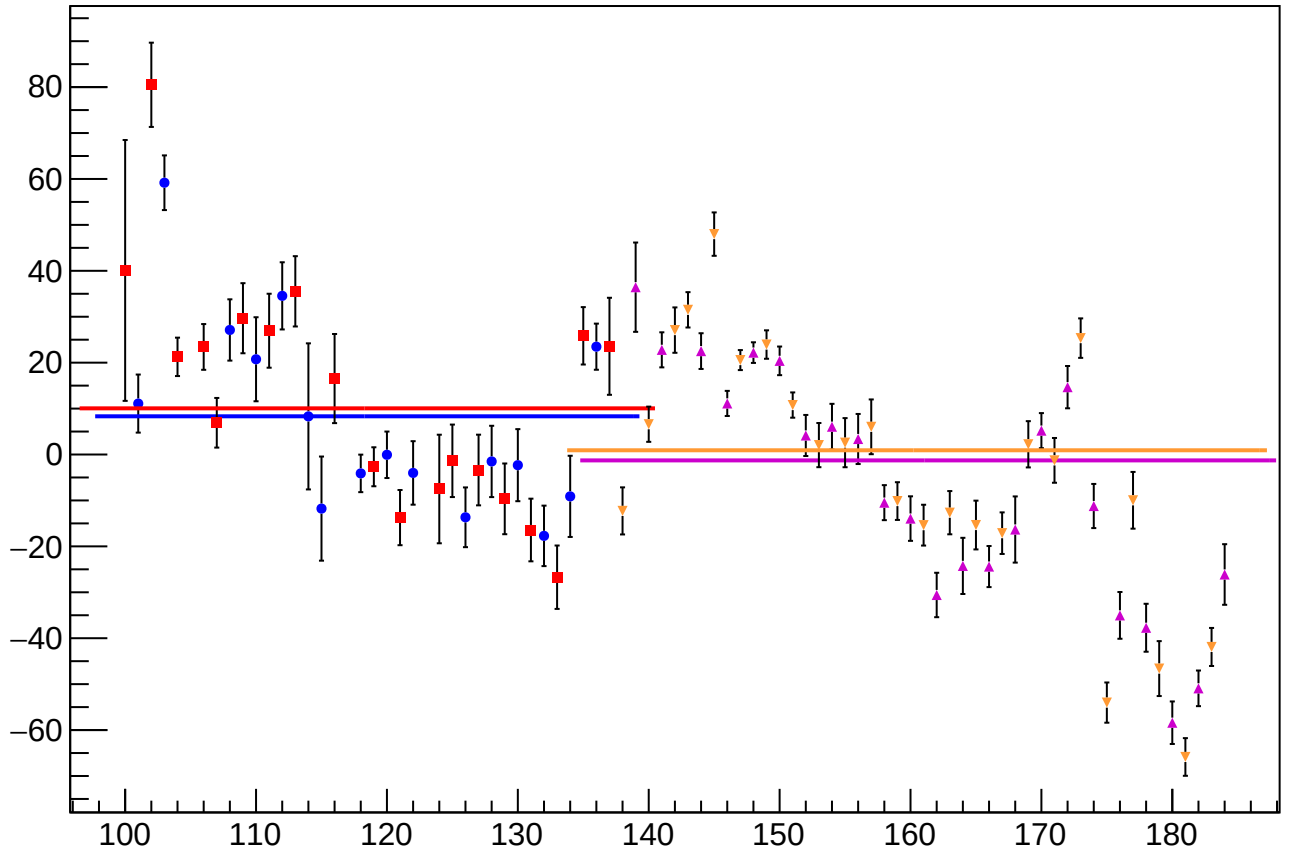
Left: -232.876+/-0.823 χ^2/NDF: 5674.5/46

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -244.553+/-0.950 χ^2/NDF:4116.9/38

Out: -234.820+/-0.915 χ^2/NDF:5368.4/42

All: -239.502+/-0.659 χ^2/NDF: 9539.7/81



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: -1.280+/-0.869 χ^2/NDF:811.2/22

Left: -0.144+/-0.605 χ^2/NDF: 1846.7/46

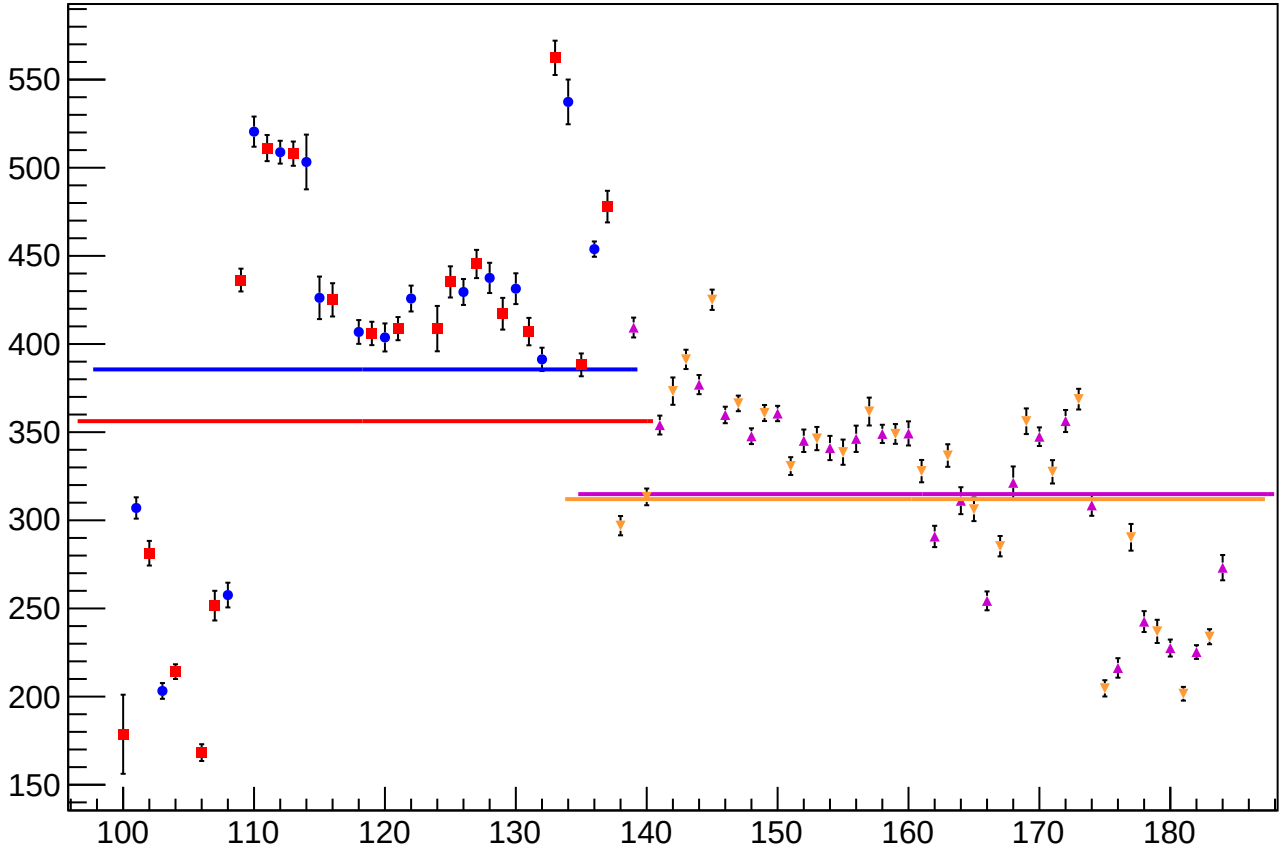
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 0.816+/-0.768 χ^2/NDF:995.5/38

Out: 3.025+/-0.738 χ^2/NDF:1246.7/42

All: 1.964+/-0.532 χ^2/NDF: 2246.5/81

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 312.023+/-1.142 χ^2/NDF:3060.3/23

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

Left: 313.419+/-0.814 χ^2/NDF: 5492.3/46

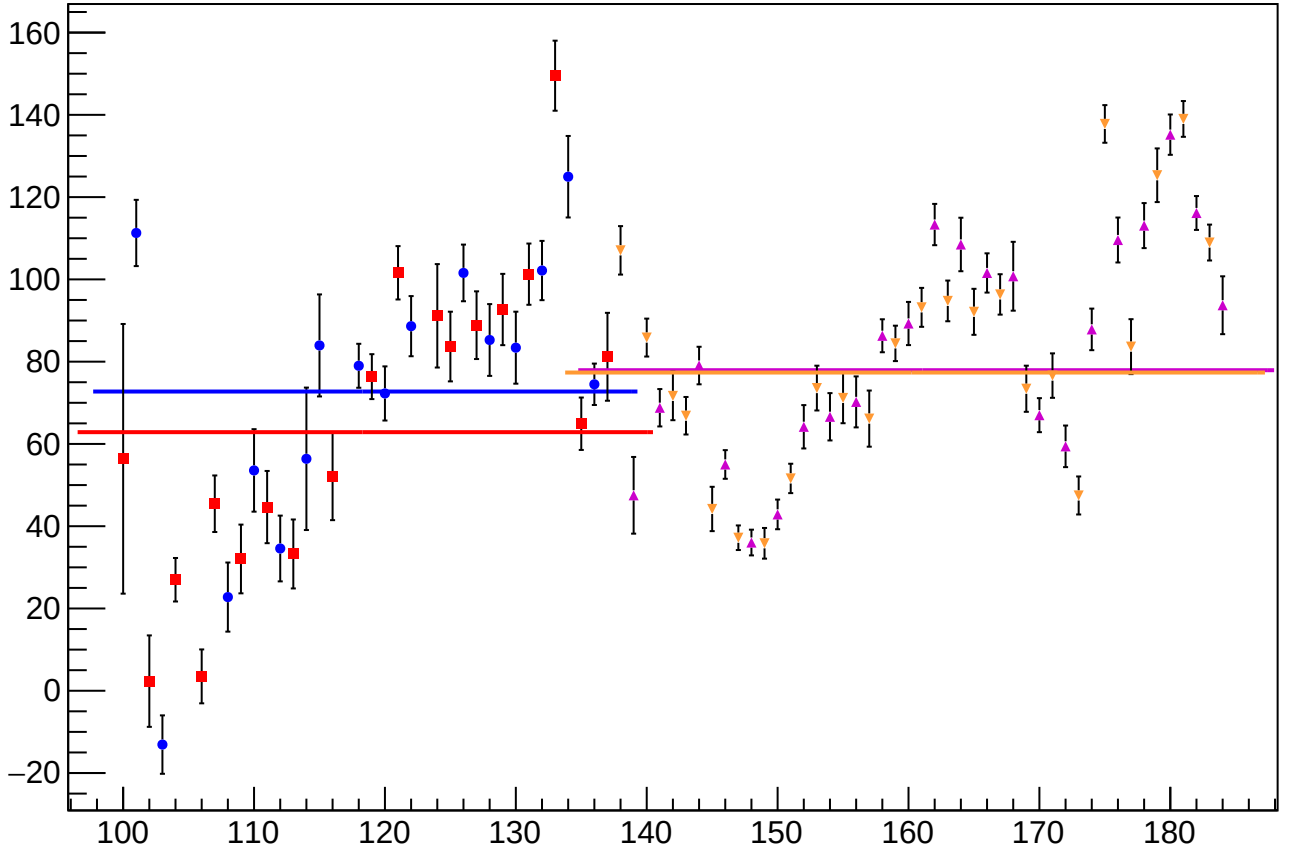
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 336.622+/-0.966 χ^2/NDF:6943.1/38

Out: 326.386+/-0.938 χ^2/NDF:8817.6/42

All: 331.354+/-0.673 χ^2/NDF: 15818.4/81

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: 77.923+/-0.997 χ^2/NDF:783.8/22

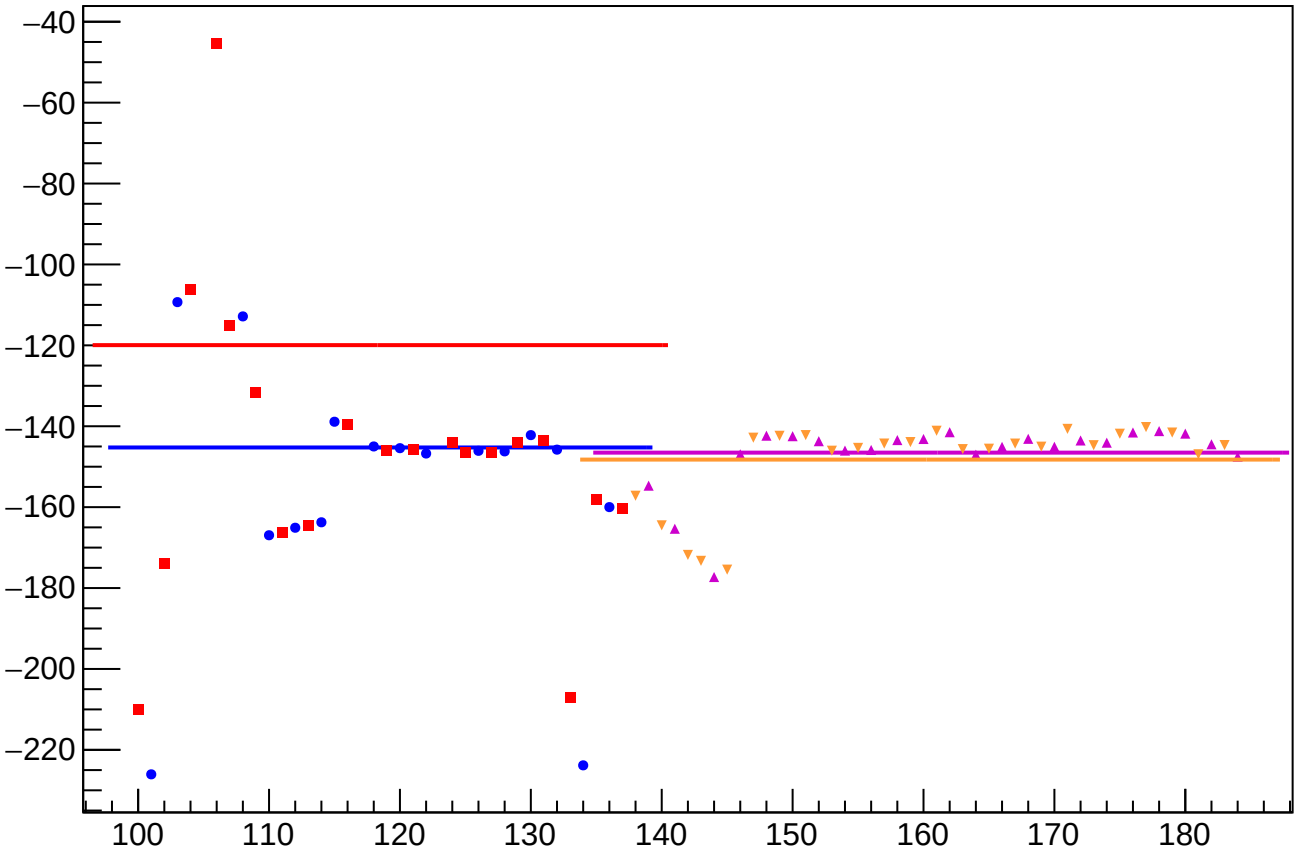
Left: 77.634+/-0.696 χ^2/NDF: 1790.8/46

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 76.802+/-0.882 χ^2/NDF:1094.0/38

Out: 74.065+/-0.856 χ^2/NDF:1460.8/42

All: 75.391+/-0.614 χ^2/NDF: 2559.8/81



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: -146.523+/-0.046 χ^2/NDF:29172.3/22

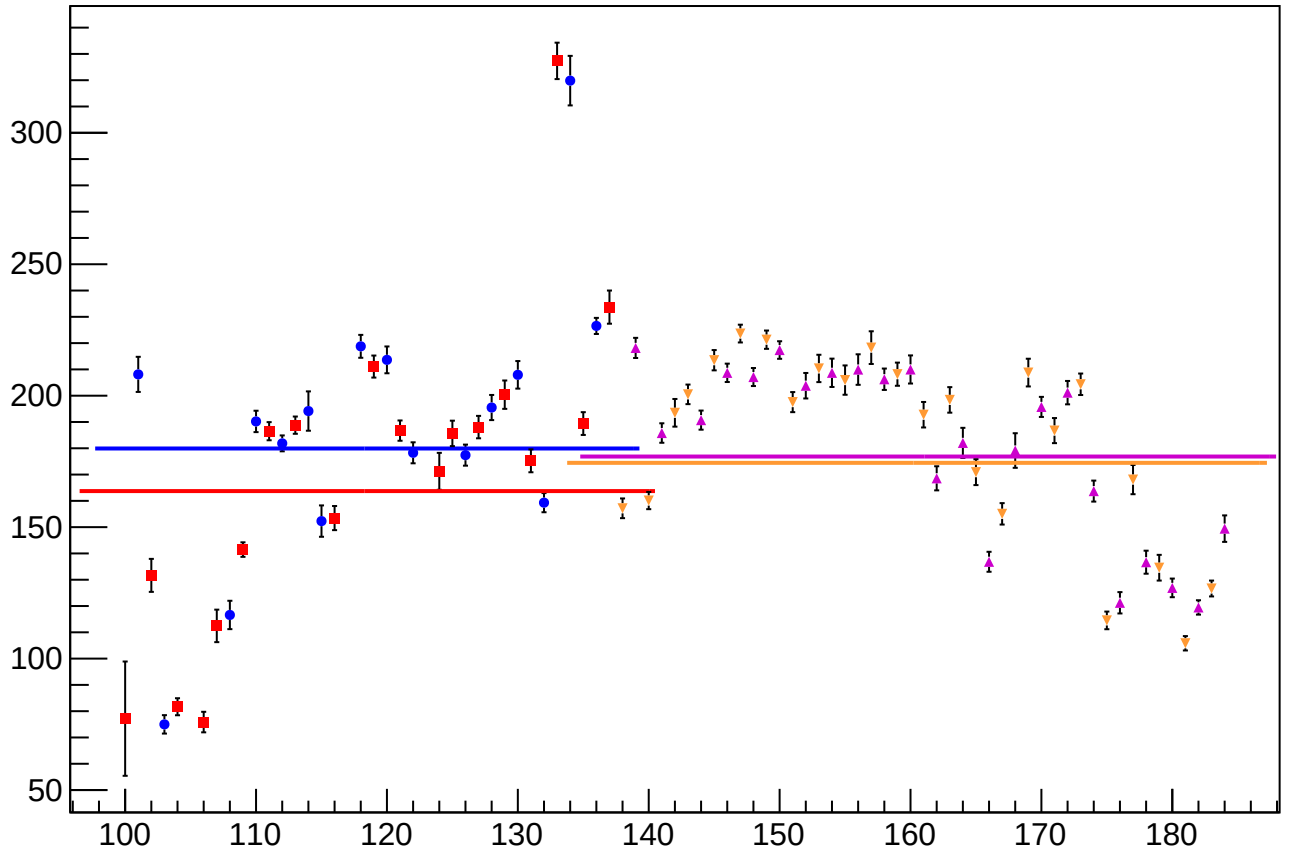
Left: -147.383+/-0.032 χ^2/NDF: 78568.4/46

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -146.297+/-0.041 χ^2/NDF:161368.3/38

Out: -142.372+/-0.041 χ^2/NDF:399198.3/42

All: -144.296+/-0.029 χ^2/NDF: 565164.8/81



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: 176.862+/-0.847 χ^2/NDF:1756.1/22

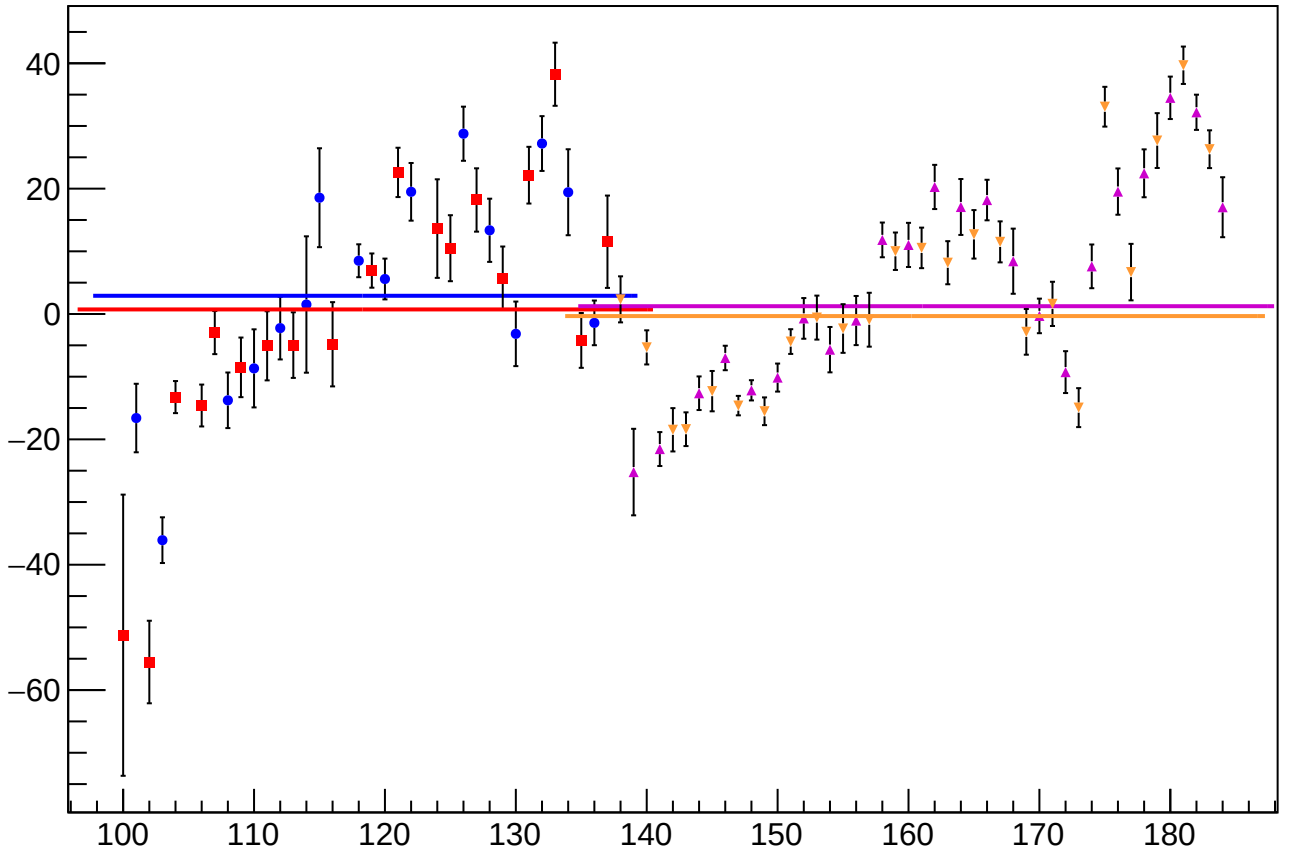
Left: 175.636+/-0.592 χ^2/NDF: 4013.3/46

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 178.014+/-0.668 χ^2/NDF:3493.7/38

Out: 170.095+/-0.638 χ^2/NDF:4738.4/42

All: 173.870+/-0.462 χ^2/NDF: 8305.5/81



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: 1.244+/-0.625 χ^2/NDF:620.6/22

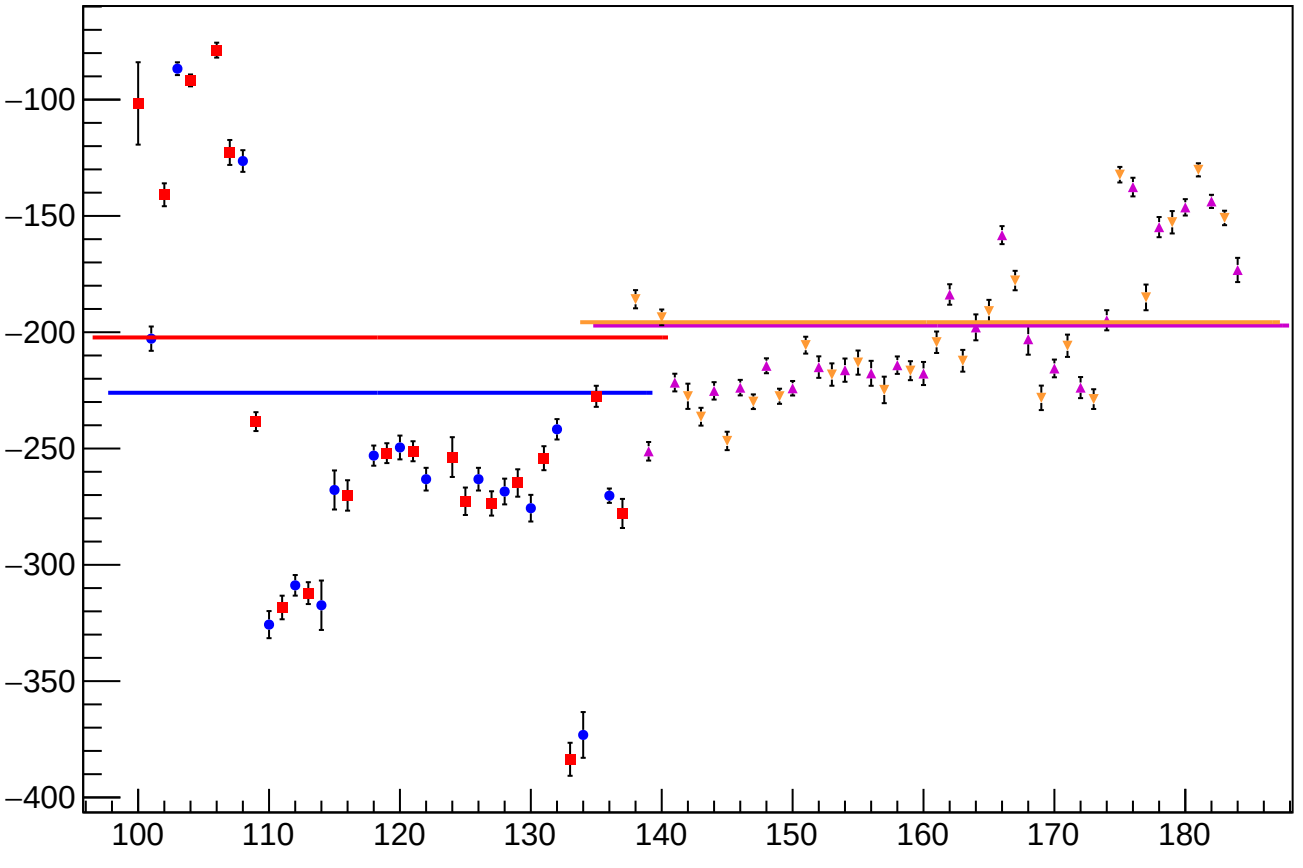
Left: 0.429+/-0.435 χ^2/NDF: 1339.3/46

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: 1.648+/-0.544 χ^2/NDF:869.8/38

Out: -0.053+/-0.519 χ^2/NDF:989.9/42

All: 0.757+/-0.376 χ^2/NDF: 1864.8/81



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: -197.128+/-0.837 χ^2/NDF:1601.5/22

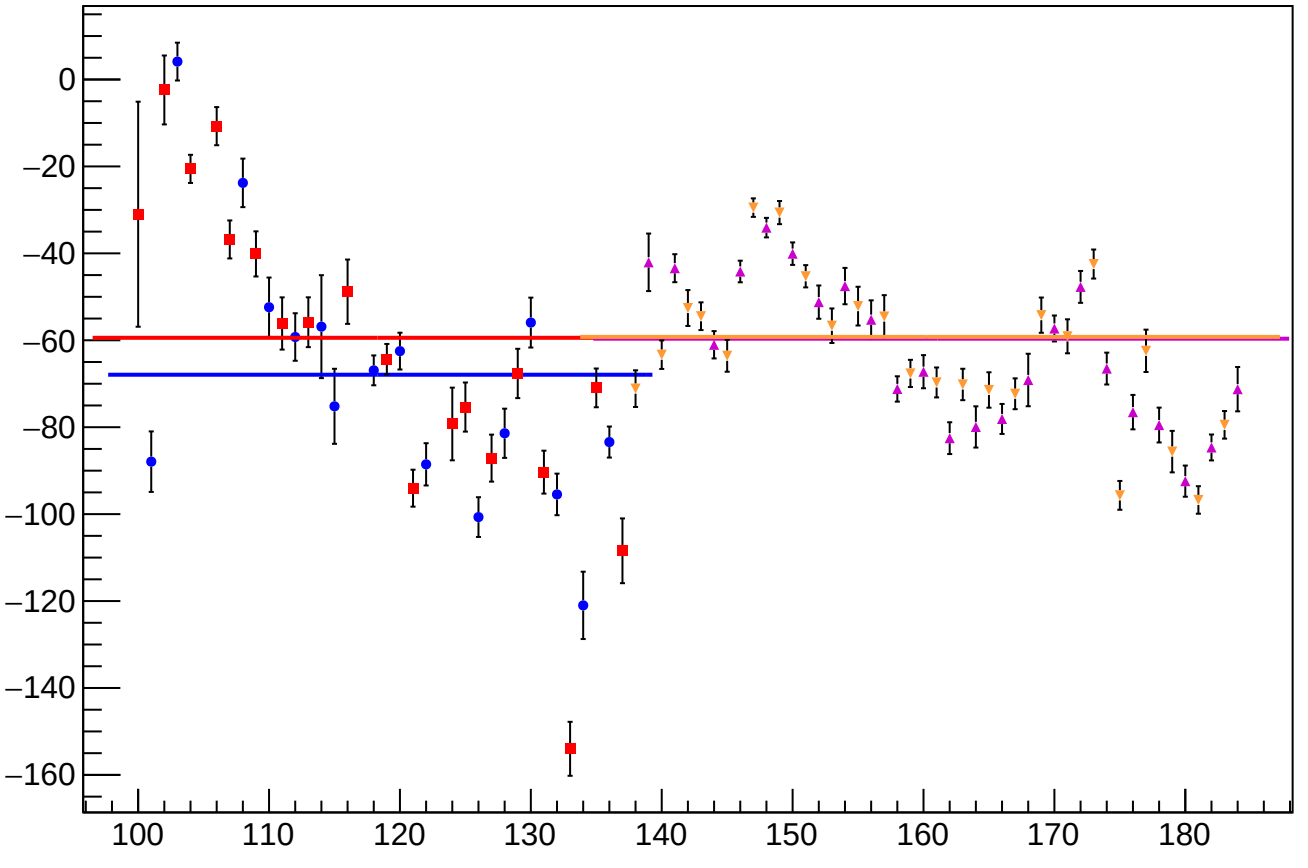
Left: -196.400+/-0.586 χ^2/NDF: 3551.3/46

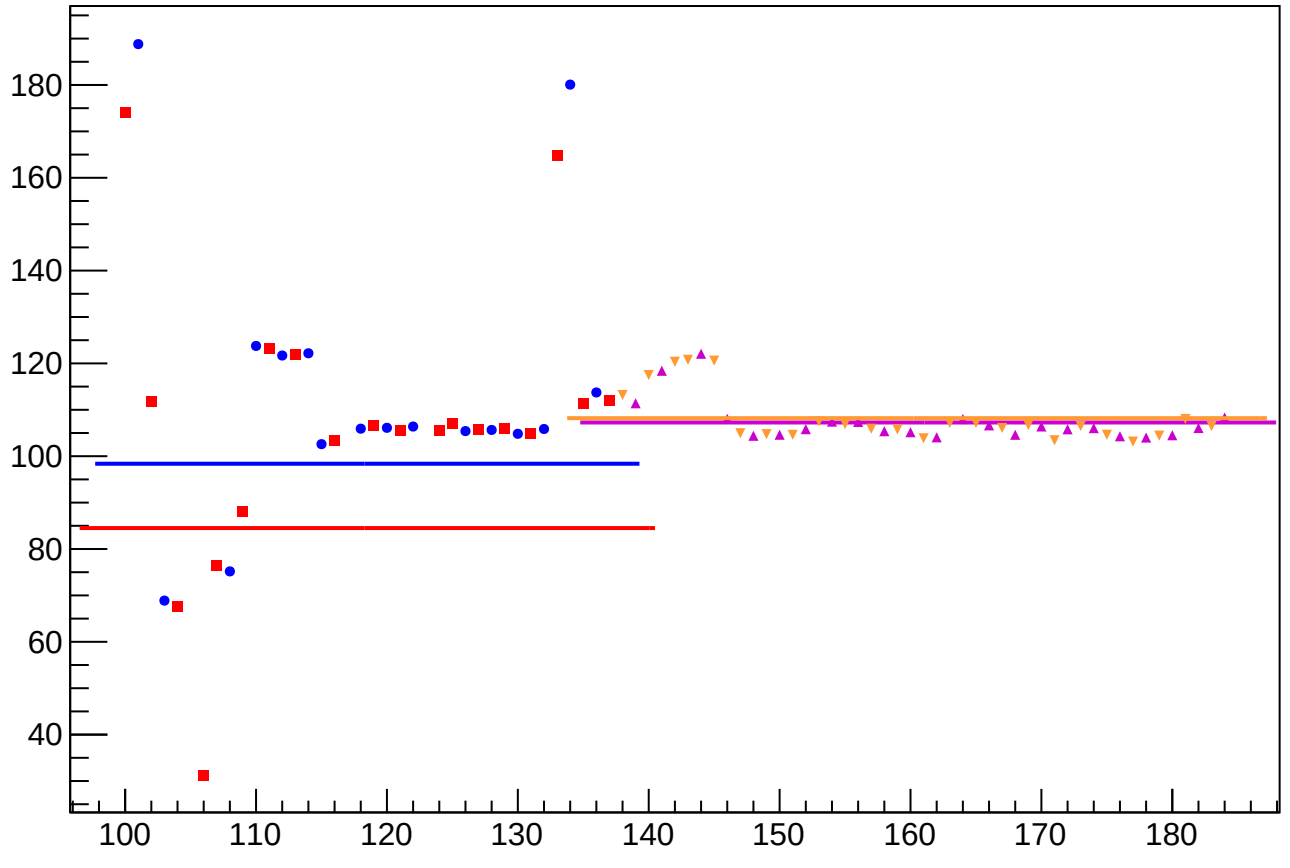
Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -206.854+/-0.682 χ^2/NDF:6541.9/38

Out: -198.079+/-0.655 χ^2/NDF:8662.2/42

All: -202.294+/-0.472 χ^2/NDF: 15290.2/81


reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
180
Right In: -67.927+/-1.278 χ2/NDF: 534.0/15
Left Out: -59.220+/-0.699 χ2/NDF:767.7/23
Right Out: -59.428+/-1.184 χ2/NDF: 794.9/18
Left In: -59.637+/-0.718 χ2/NDF:597.0/22
Left: -59.423+/-0.501 χ2/NDF: 1364.9/46
Right: -63.353+/-0.869 χ2/NDF: 1352.7/34
In: -61.627+/-0.626 χ2/NDF:1163.0/38
Out: -59.274+/-0.602 χ2/NDF:1562.5/42
All: -60.404+/-0.434 χ2/NDF: 2732.9/81



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: 107.266+/-0.033 χ^2/NDF:16879.3/22

Left: 107.734+/-0.023 χ^2/NDF: 43507.4/46

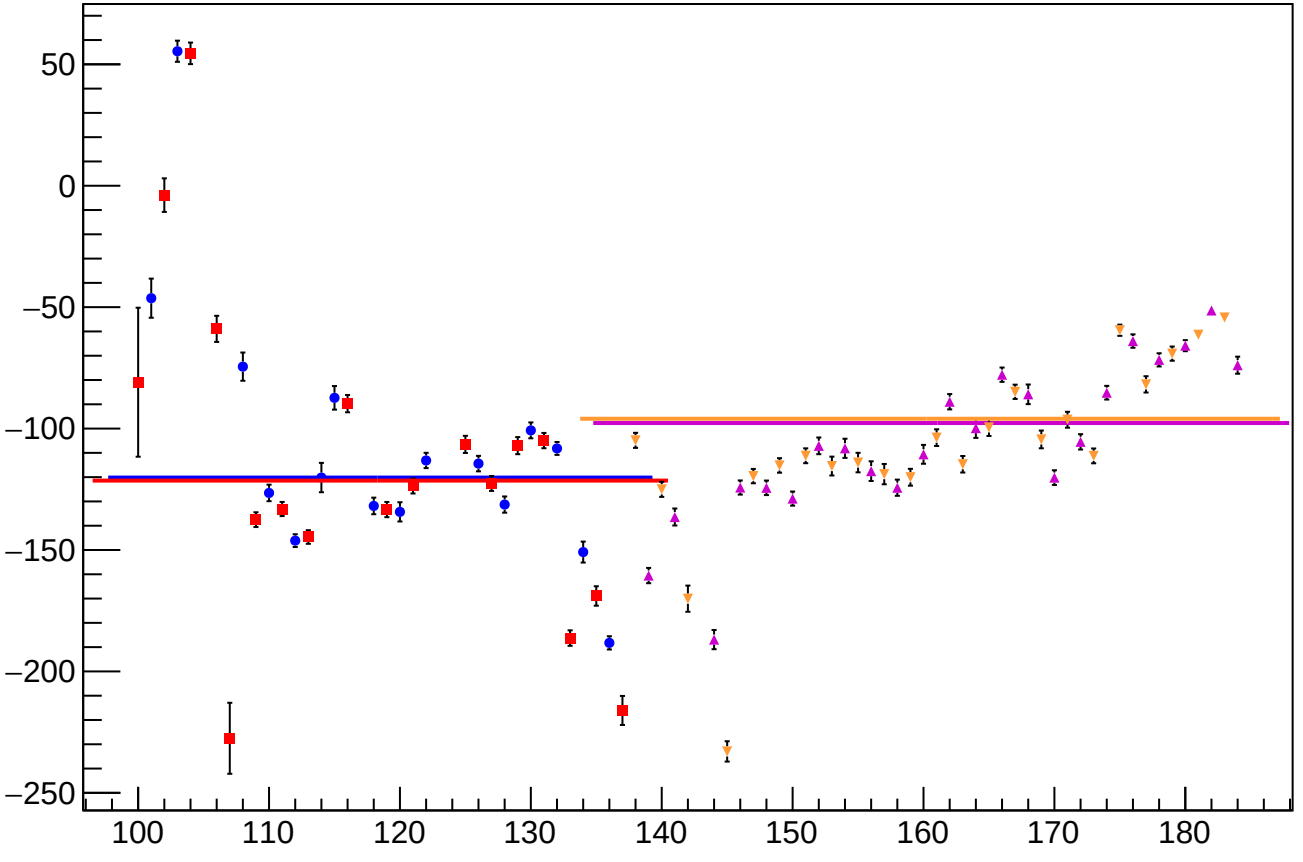
Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.504+/-0.029 χ^2/NDF:259824.7/38

Out: 102.845+/-0.029 χ^2/NDF:413268.8/42

All: 104.148+/-0.021 χ^2/NDF: 677262.9/81

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -95.950+/-0.641 χ^2/NDF:2770.2/22

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

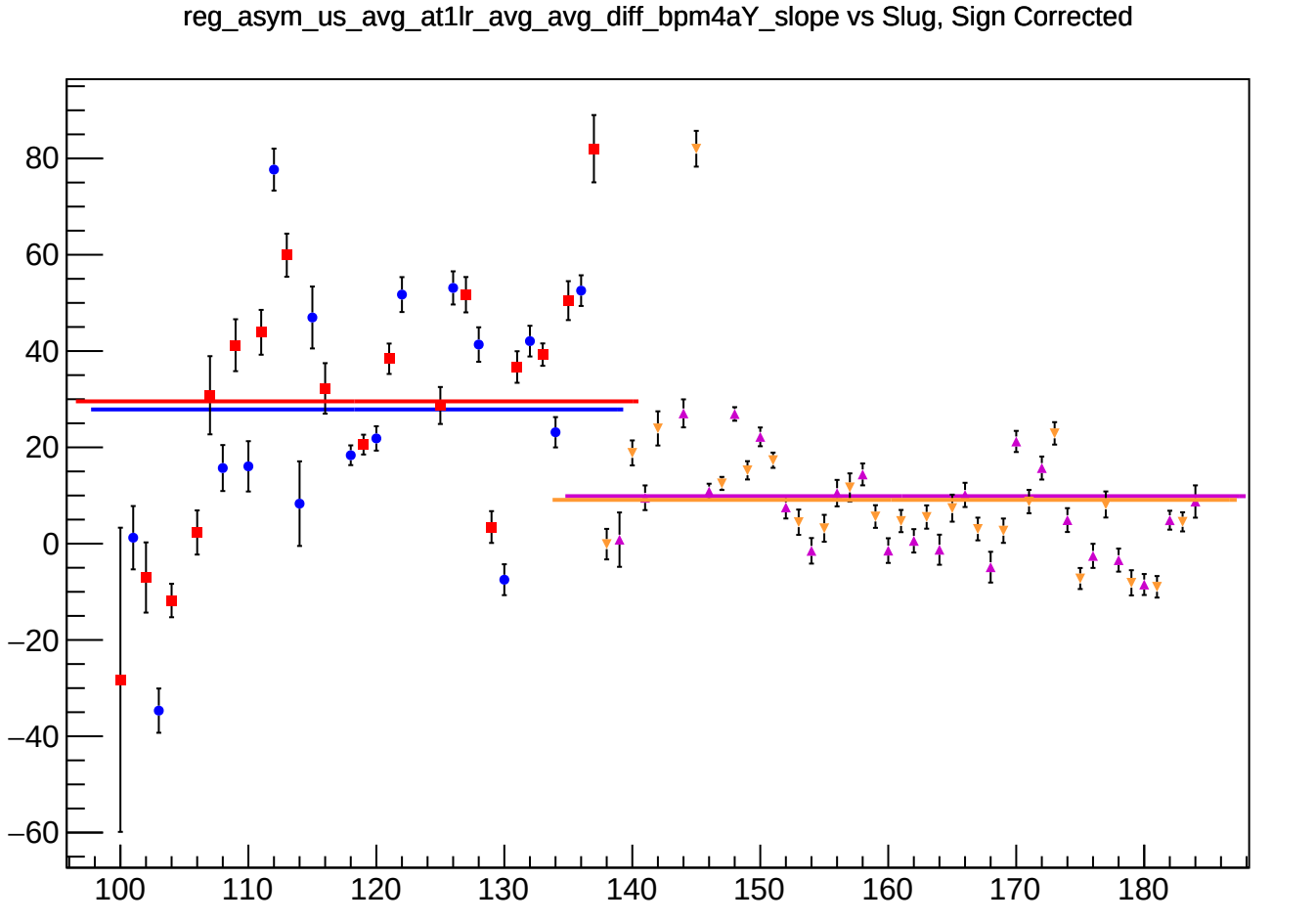
Left: -96.835+/-0.452 χ^2/NDF: 5414.9/45

Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -105.341+/-0.519 χ^2/NDF:5752.3/38

Out: -104.847+/-0.517 χ^2/NDF:6447.4/40

All: -105.093+/-0.366 χ^2/NDF: 12200.2/79



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: 9.864+/-0.487 χ^2/NDF:485.4/22

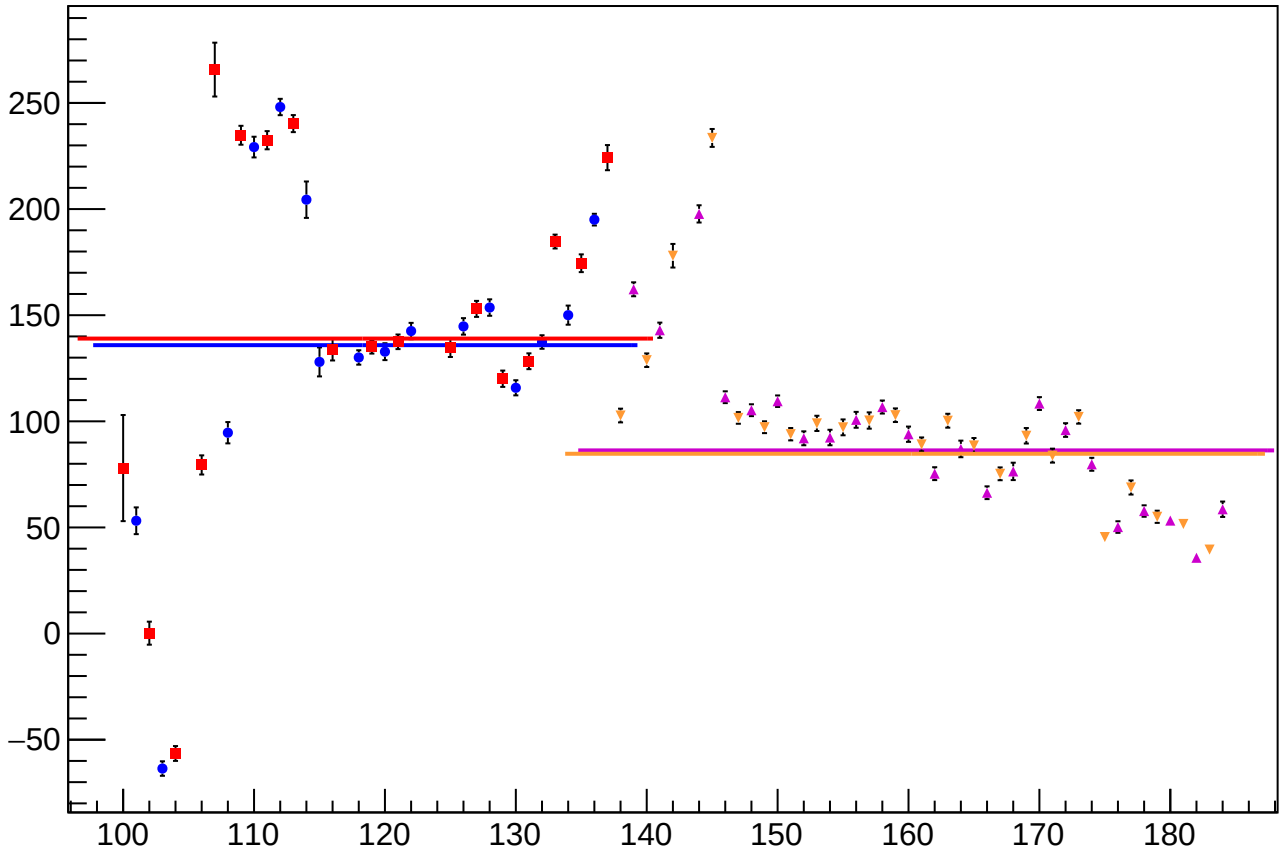
Left: 9.475+/-0.342 χ^2/NDF: 1190.3/45

Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 14.021+/-0.427 χ^2/NDF:1501.2/38

Out: 13.732+/-0.424 χ^2/NDF:1610.0/40

All: 13.876+/-0.301 χ^2/NDF: 3111.4/79



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: 86.300+/-0.632 χ^2/NDF:3152.8/22

Left: 85.512+/-0.448 χ^2/NDF: 6266.1/45

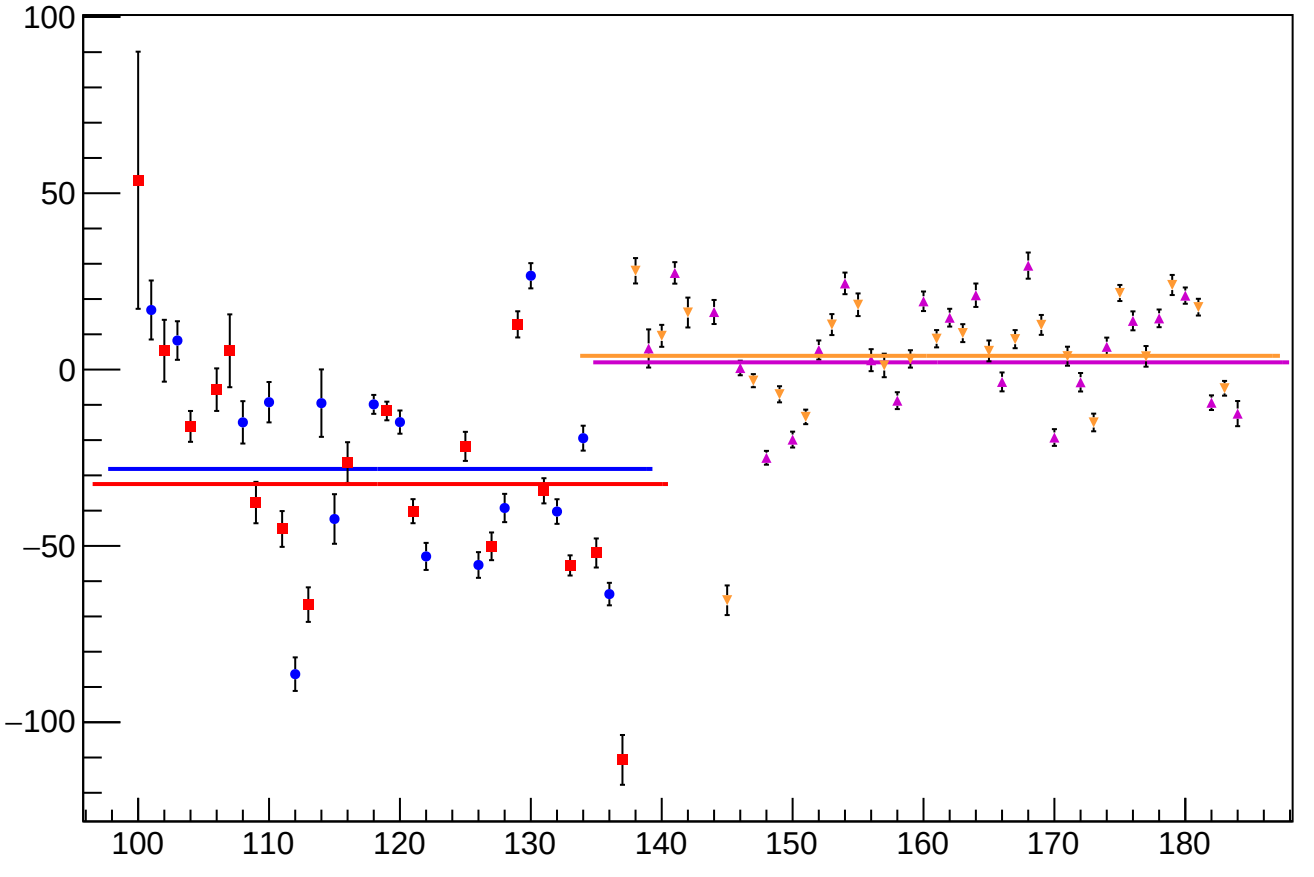
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 100.476+/-0.534 χ^2/NDF:10377.2/38

Out: 100.348+/-0.536 χ^2/NDF:11370.7/40

All: 100.412+/-0.378 χ^2/NDF: 21747.9/79

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: 2.050+/-0.551 χ^2/NDF:850.8/22

Left: 2.977+/-0.389 χ^2/NDF: 1567.0/45

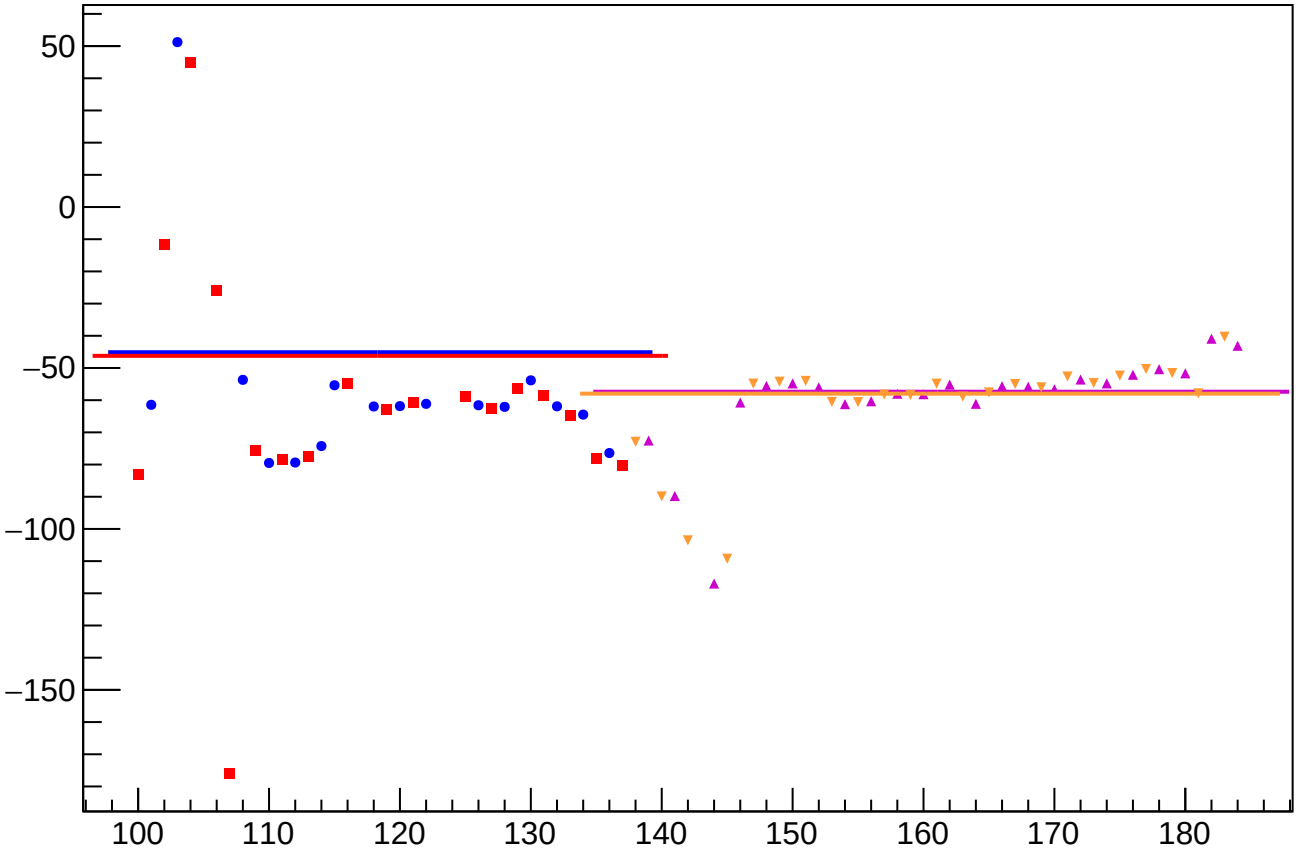
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -4.755+/-0.485 χ^2/NDF:2319.4/38

Out: -4.171+/-0.484 χ^2/NDF:2265.8/40

All: -4.462+/-0.343 χ^2/NDF: 4586.0/79

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: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.673+/-0.018 χ^2/NDF: 481584.3/45

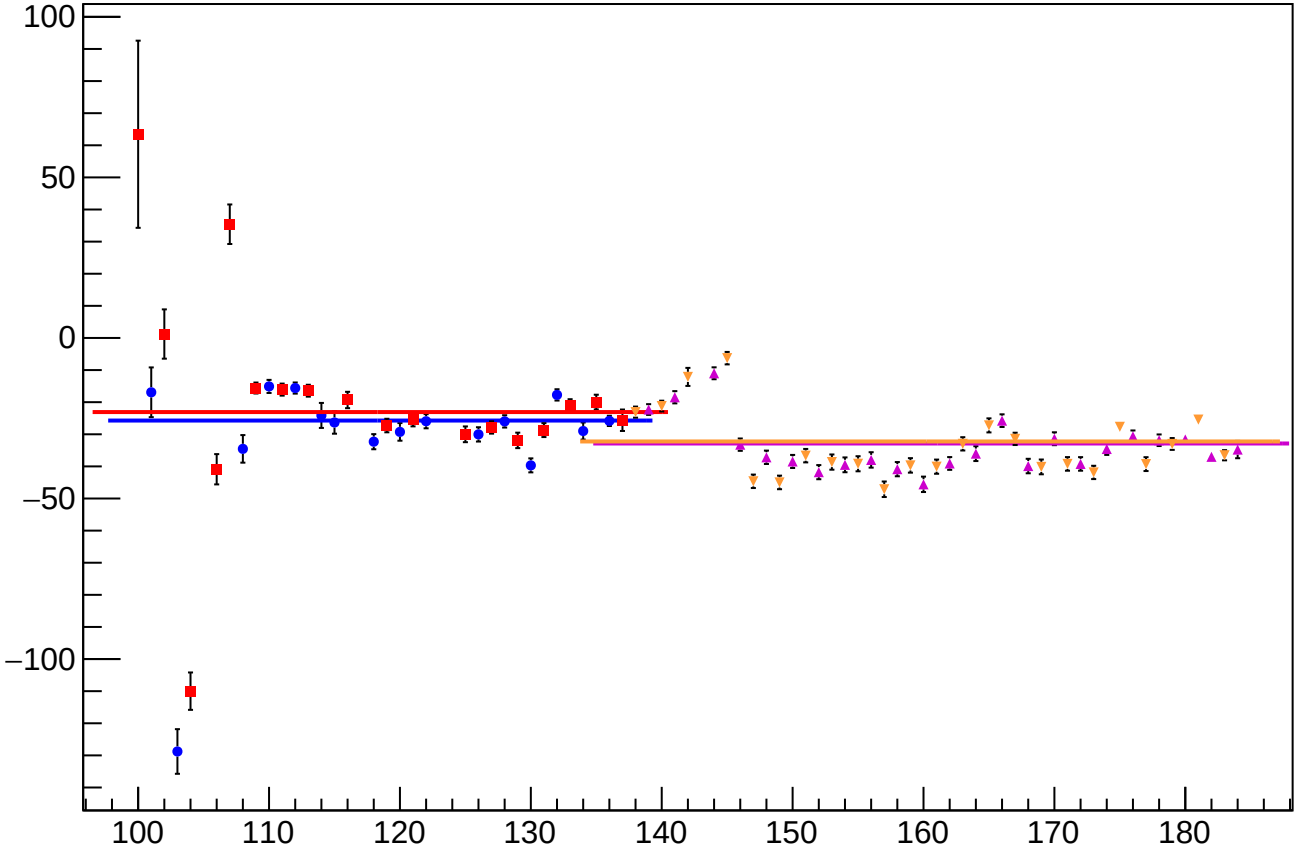
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -55.599+/-0.023 χ^2/NDF:837928.2/38

Out: -56.351+/-0.023 χ^2/NDF:778132.1/40

All: -55.969+/-0.016 χ^2/NDF: 1616591.9/79

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: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.549+/-0.290 χ^2/NDF: 932.9/45

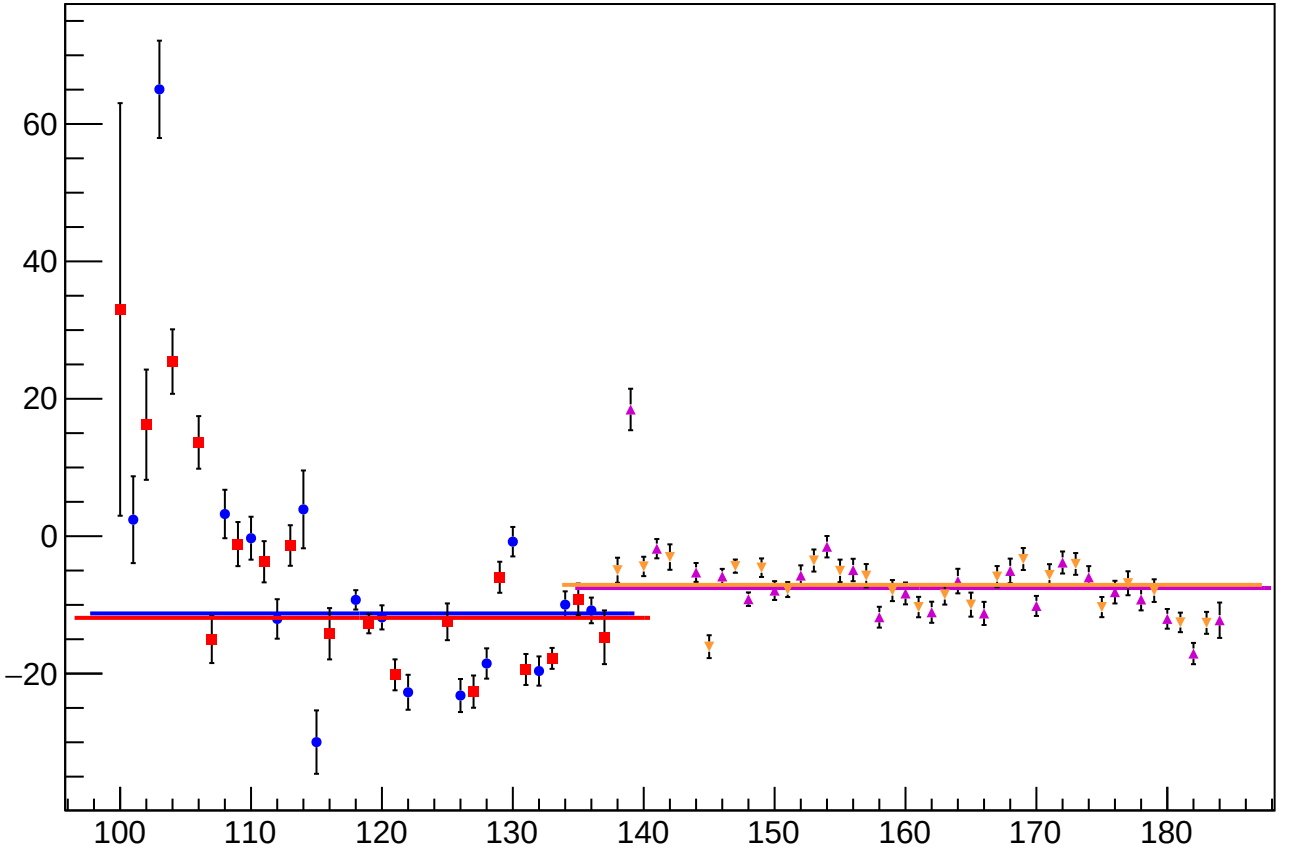
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -30.531+/-0.337 χ^2/NDF:834.9/38

Out: -29.204+/-0.335 χ^2/NDF:1161.3/40

All: -29.862+/-0.238 χ^2/NDF: 2004.0/79

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -7.086+/-0.311 χ^2/NDF:109.0/22

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

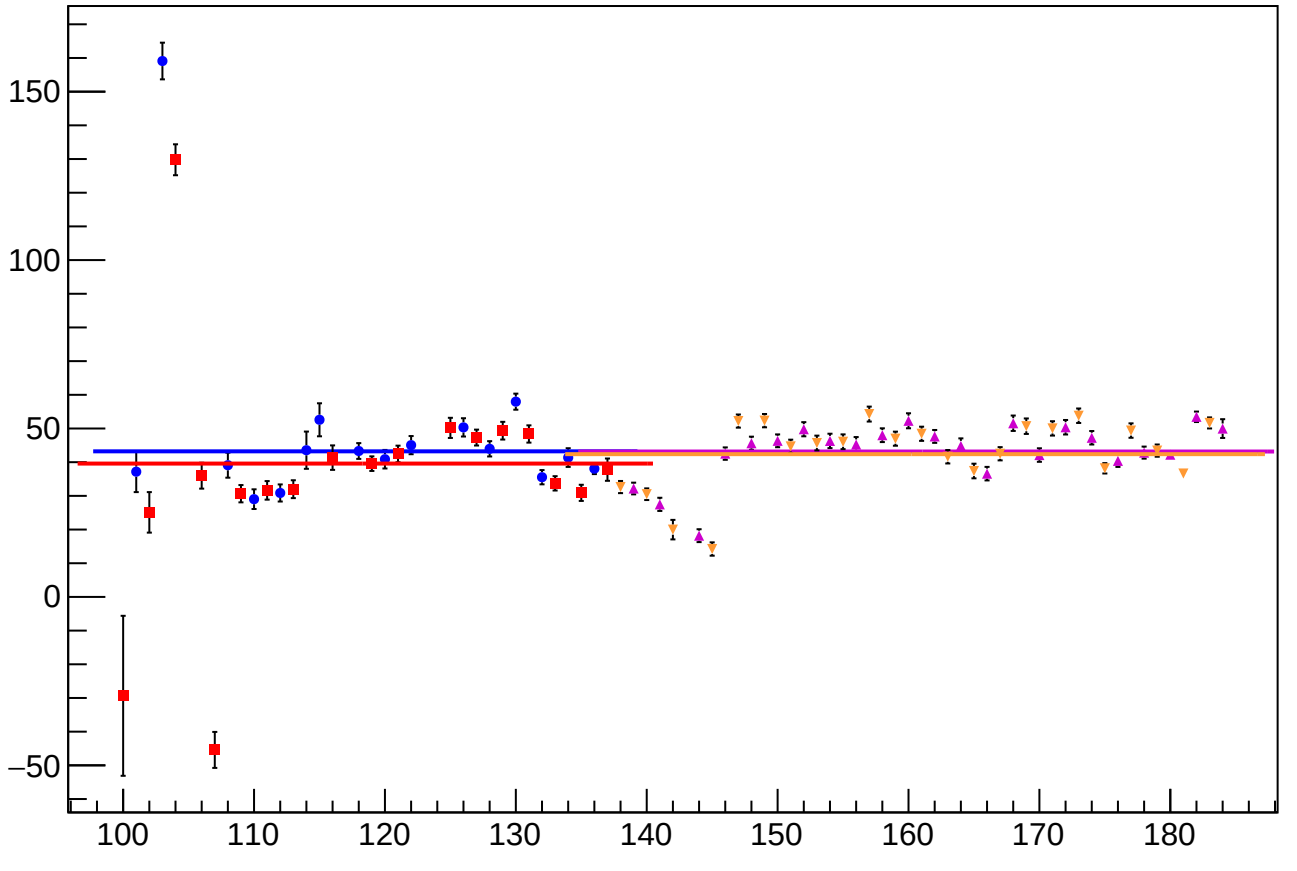
Left: -7.313+/-0.221 χ^2/NDF: 309.8/45

Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -8.346+/-0.279 χ^2/NDF:500.6/38

Out: -8.084+/-0.277 χ^2/NDF:383.0/40

All: -8.214+/-0.196 χ^2/NDF: 884.1/79



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: 43.169+/-0.407 χ^2/NDF:413.0/22

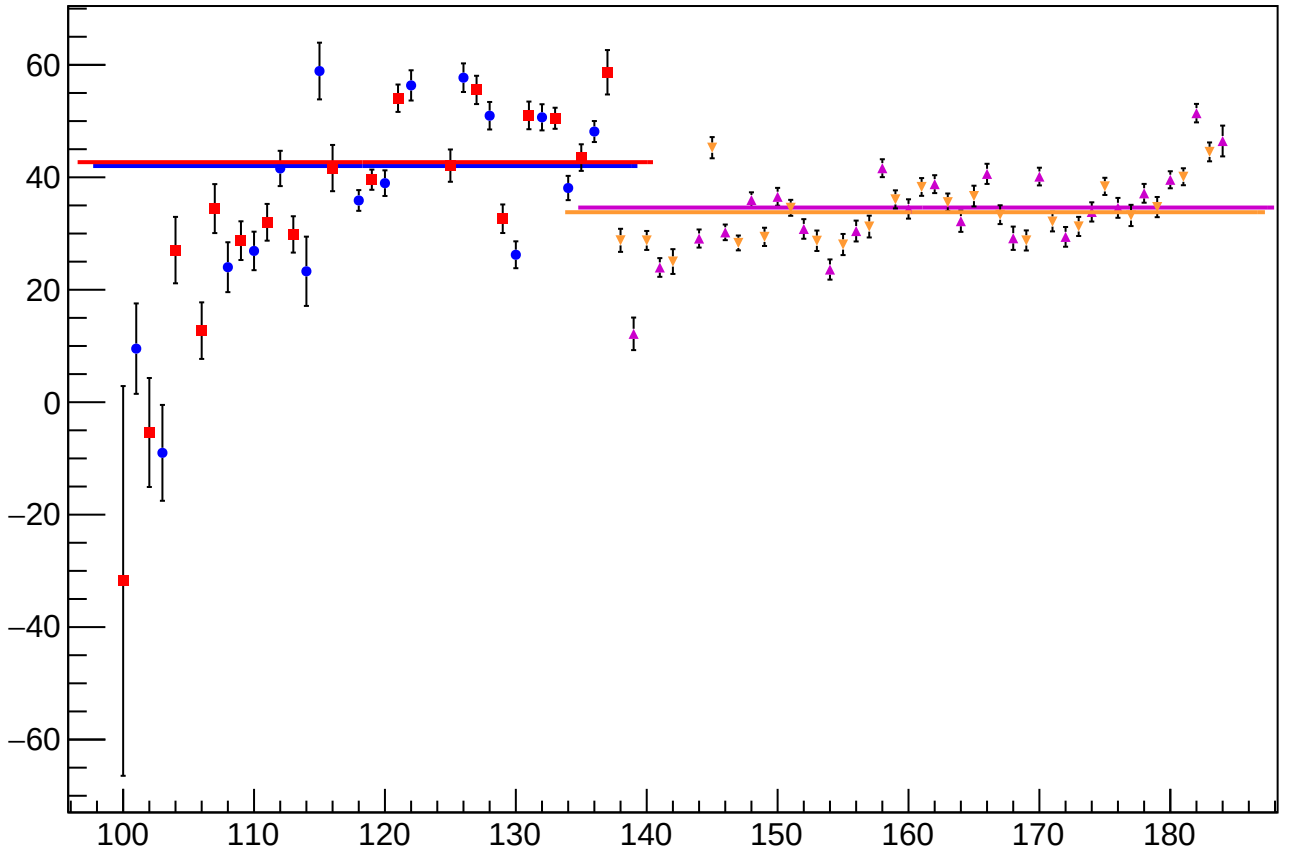
Left: 42.775+/-0.287 χ^2/NDF: 980.5/45

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 43.183+/-0.349 χ^2/NDF:989.0/38

Out: 41.657+/-0.349 χ^2/NDF:1331.9/40

All: 42.420+/-0.247 χ^2/NDF: 2330.5/79



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: 34.623+/-0.356 χ^2/NDF:376.1/22

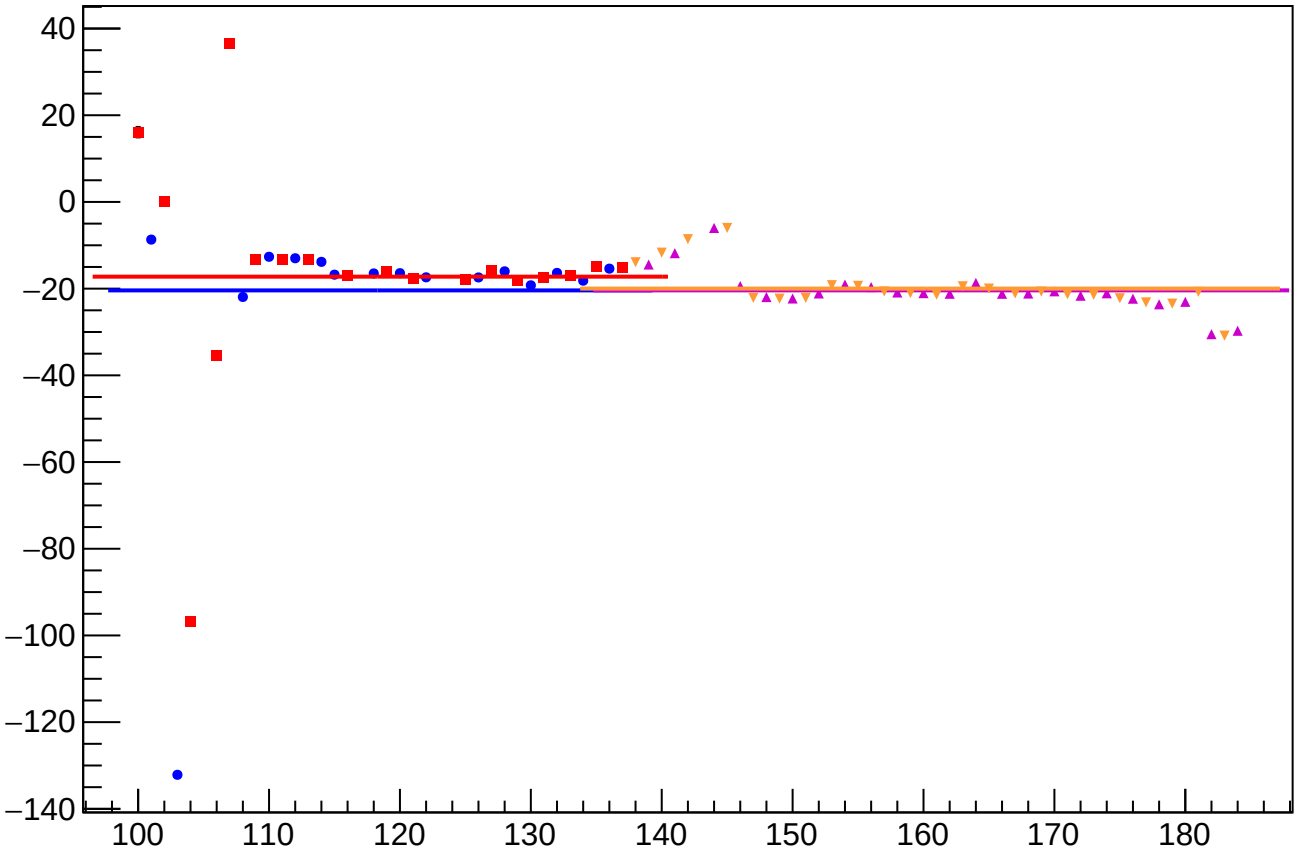
Left: 34.205+/-0.251 χ^2/NDF: 582.7/45

Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 36.199+/-0.316 χ^2/NDF:740.5/38

Out: 35.619+/-0.315 χ^2/NDF:564.8/40

All: 35.908+/-0.223 χ^2/NDF: 1306.9/79



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: -20.396+/-0.016 χ^2/NDF:81154.4/22

Left: -20.193+/-0.011 χ^2/NDF: 172617.4/45

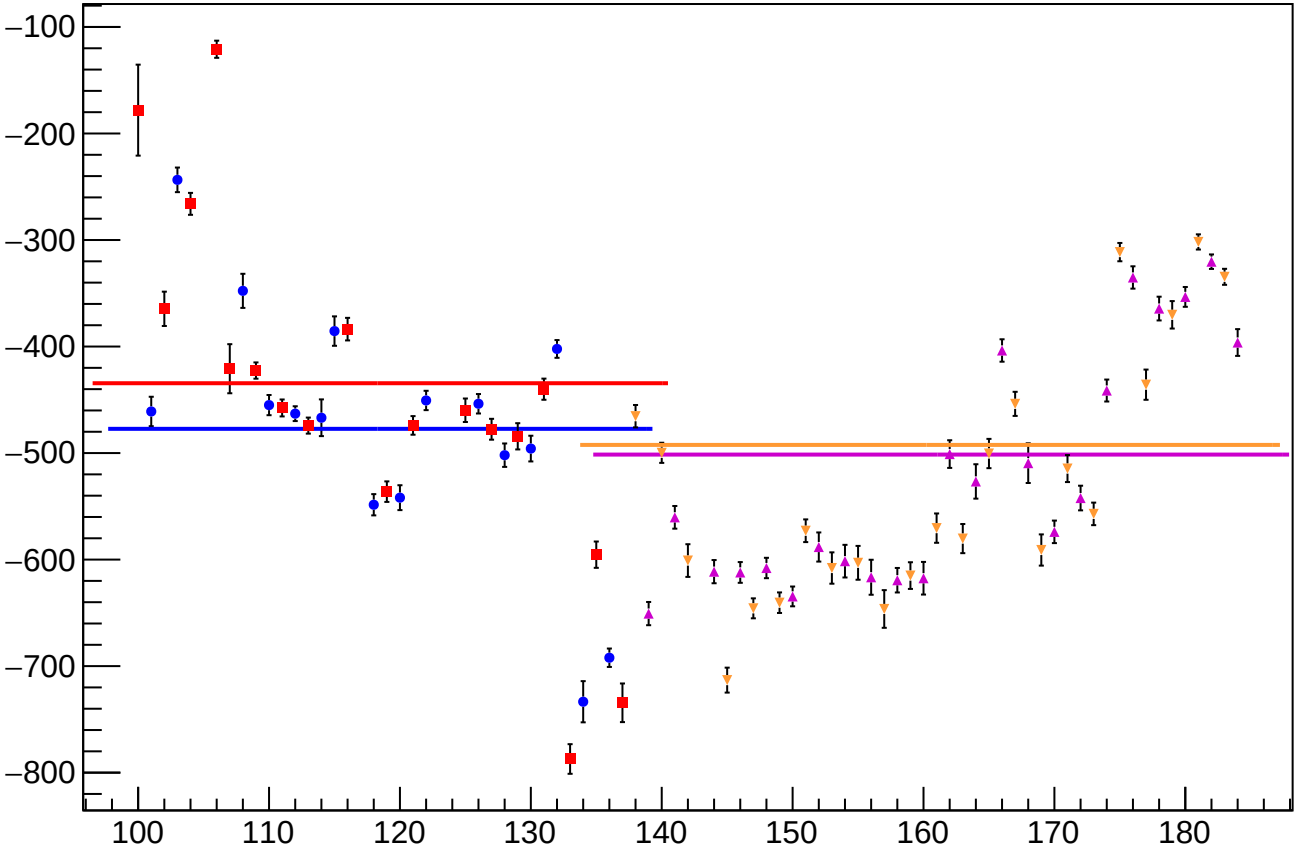
Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -20.397+/-0.015 χ^2/NDF:326766.3/38

Out: -19.670+/-0.015 χ^2/NDF:299229.7/40

All: -20.038+/-0.011 χ^2/NDF: 627192.1/79

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: -501.425+/-2.306 χ^2/NDF:2689.3/22

Left: -496.907+/-1.634 χ^2/NDF: 5828.2/45

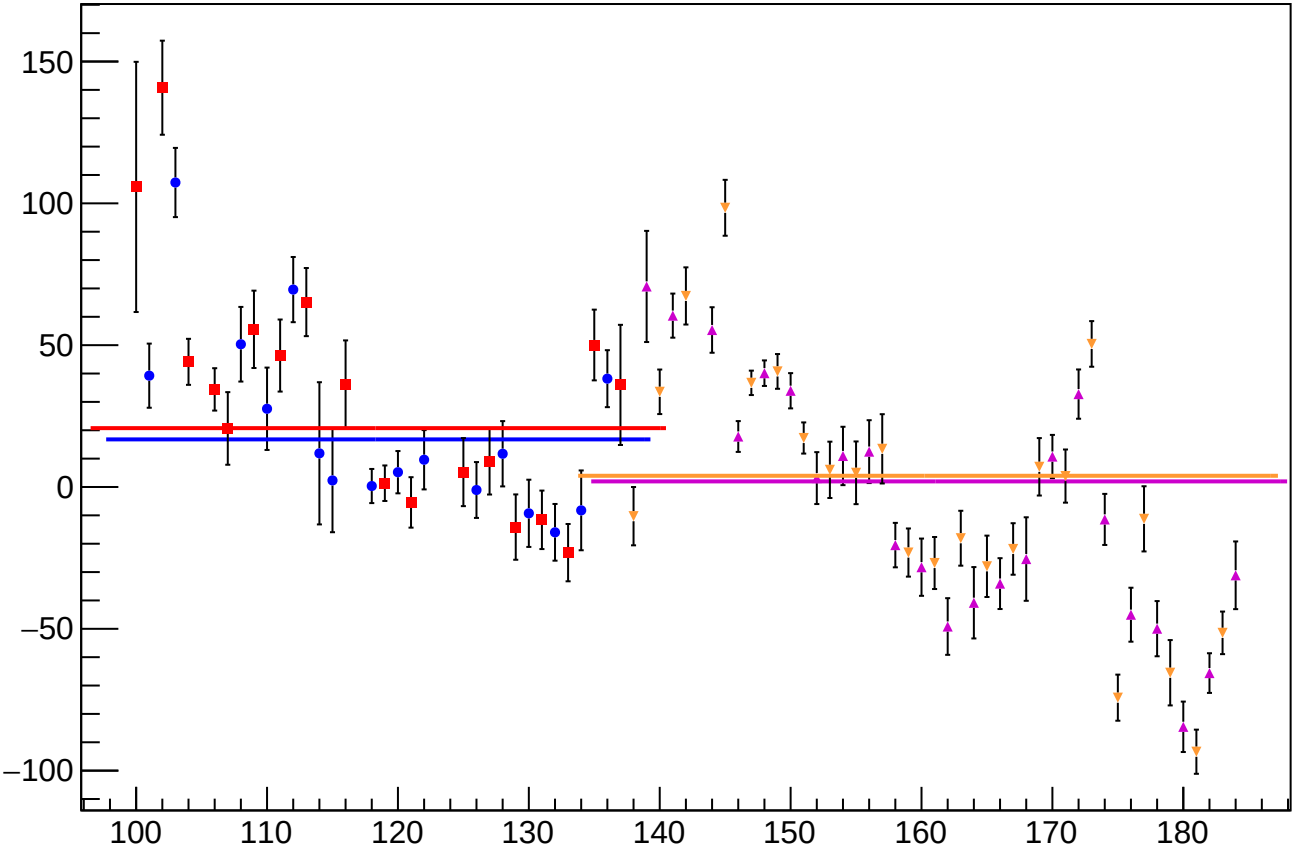
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -490.932+/-1.735 χ^2/NDF:4247.8/38

Out: -465.173+/-1.688 χ^2/NDF:6586.2/40

All: -477.698+/-1.210 χ^2/NDF: 10947.3/79

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: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 2.971+/-1.213 χ^2/NDF: 1228.0/45

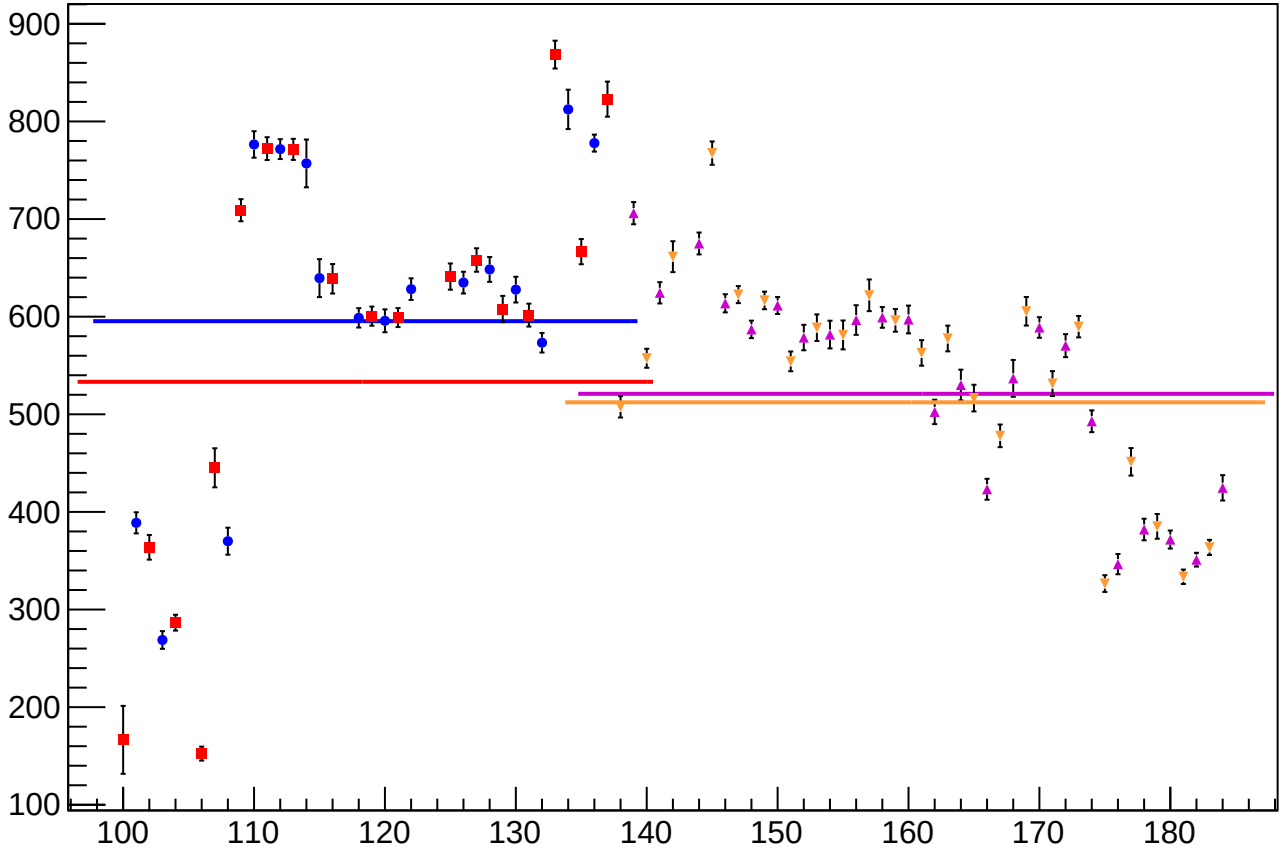
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 6.356+/-1.445 χ^2/NDF:707.7/38

Out: 9.160+/-1.419 χ^2/NDF:854.5/40

All: 7.784+/-1.012 χ^2/NDF: 1564.1/79

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: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 516.663+/-1.619 χ^2/NDF: 5159.0/45

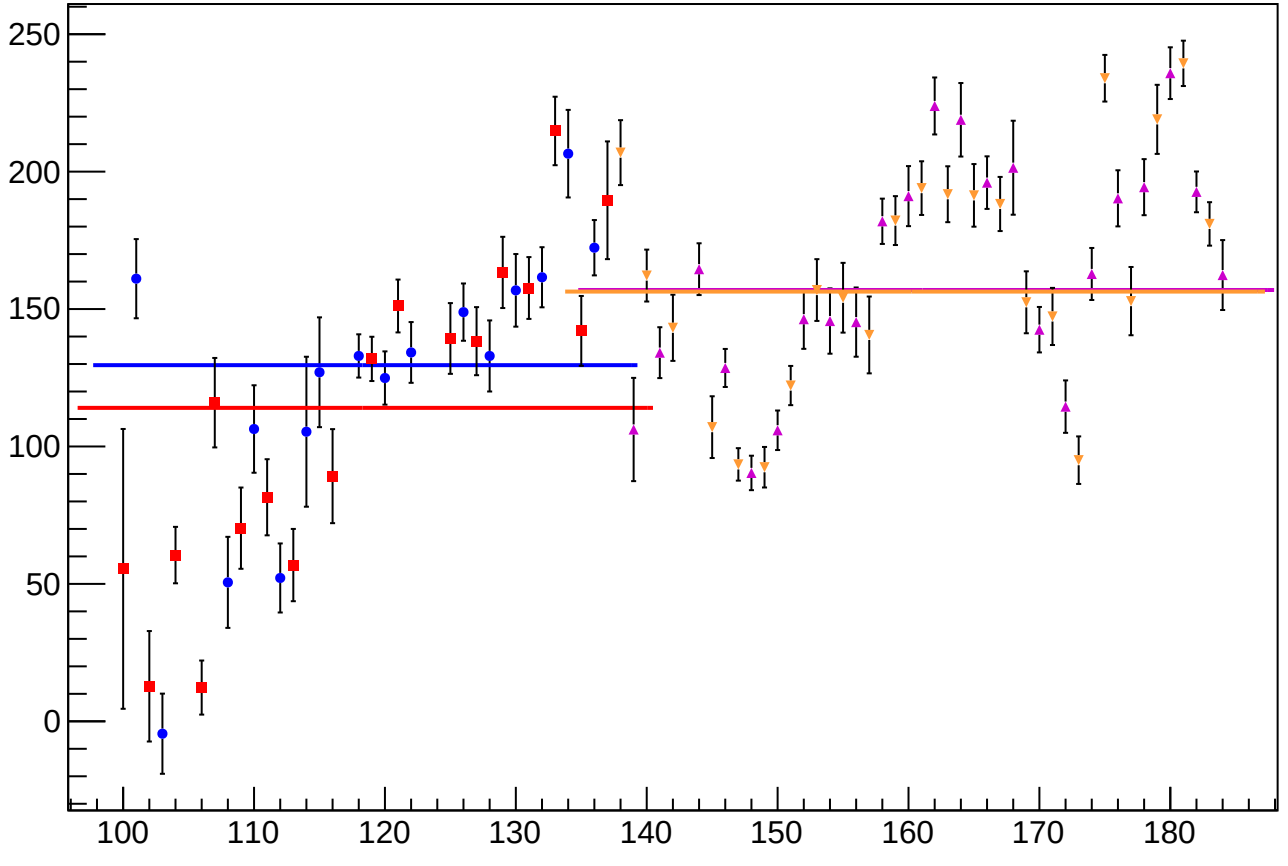
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 549.111+/-1.801 χ^2/NDF:5903.9/38

Out: 520.927+/-1.762 χ^2/NDF:9246.3/40

All: 534.709+/-1.259 χ^2/NDF: 15275.3/79

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: 156.934+/-1.971 χ^2/NDF:443.2/22

Left: 156.645+/-1.393 χ^2/NDF: 1021.1/45

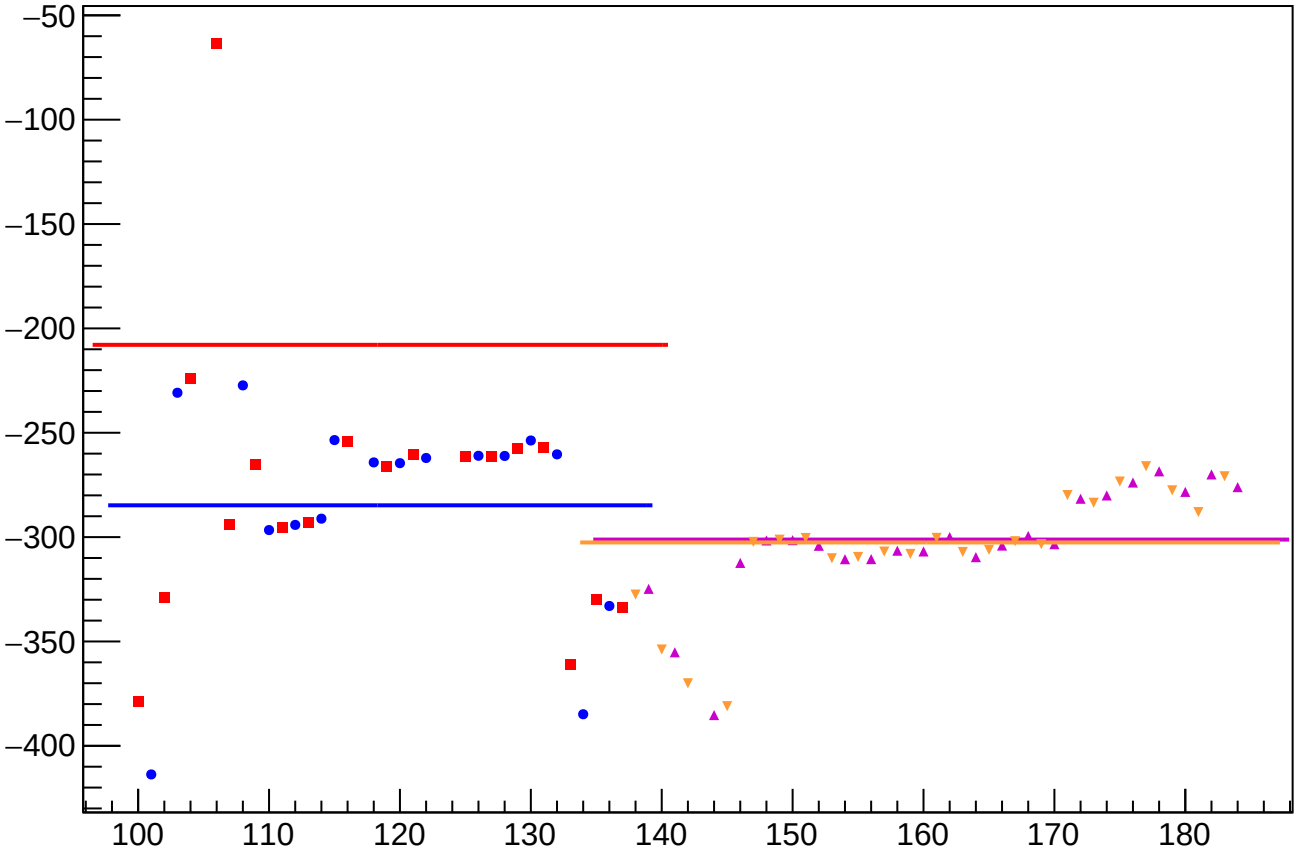
Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 148.990+/-1.660 χ^2/NDF:710.3/38

Out: 143.472+/-1.642 χ^2/NDF:1054.4/40

All: 146.201+/-1.168 χ^2/NDF: 1770.3/79

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -302.555+/-0.092 χ^2/NDF:83695.5/22

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.851+/-0.064 χ^2/NDF: 159135.7/45

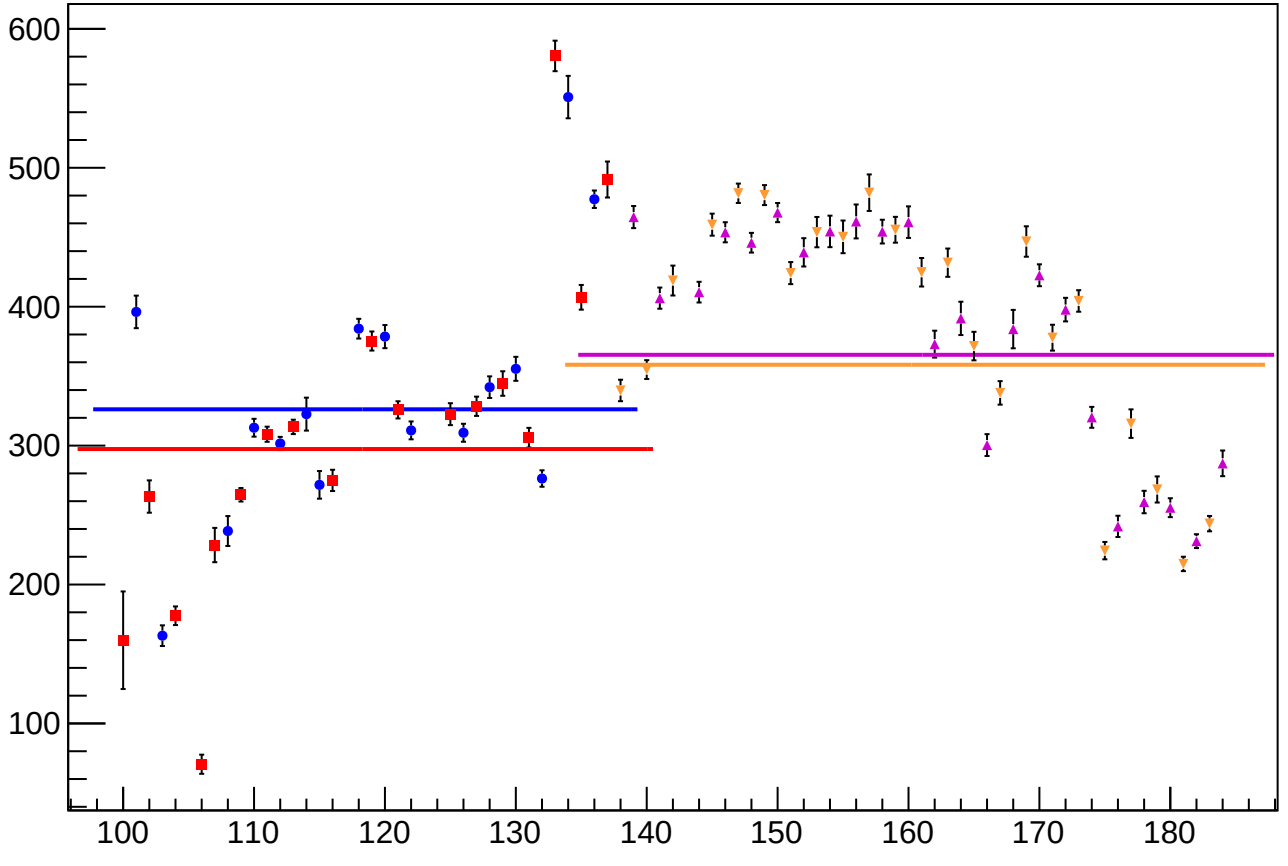
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -297.820+/-0.080 χ^2/NDF:186491.6/38

Out: -276.438+/-0.078 χ^2/NDF:913425.1/40

All: -286.843+/-0.056 χ^2/NDF: 1136324.0/79

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: 365.362+/-1.692 χ^2/NDF:2739.5/22

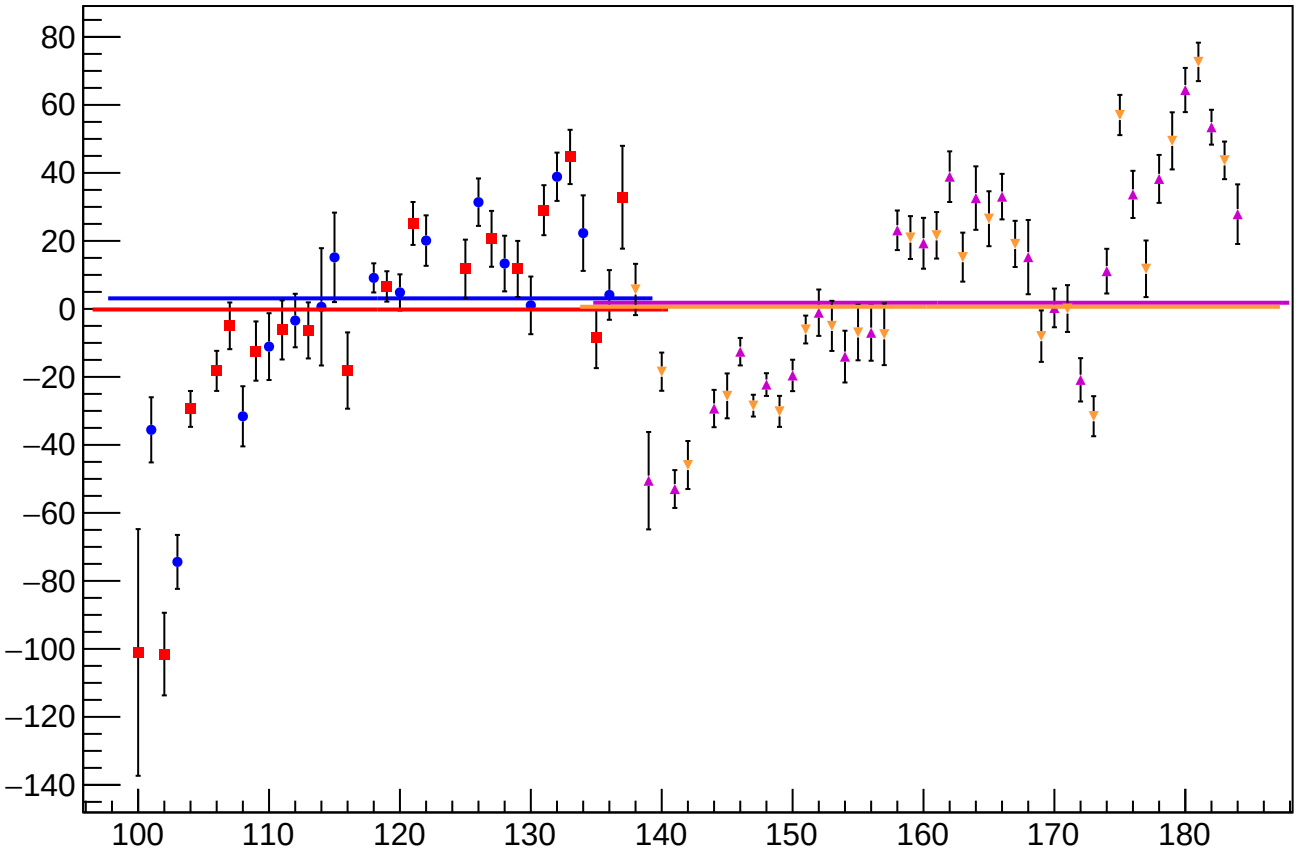
Left: 361.802+/-1.198 χ^2/NDF: 5918.9/45

Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 347.560+/-1.251 χ^2/NDF:4626.2/38

Out: 328.543+/-1.213 χ^2/NDF:6571.3/40

All: 337.761+/-0.871 χ^2/NDF: 11316.7/79



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: 1.812+/-1.267 χ^2/NDF:577.0/22

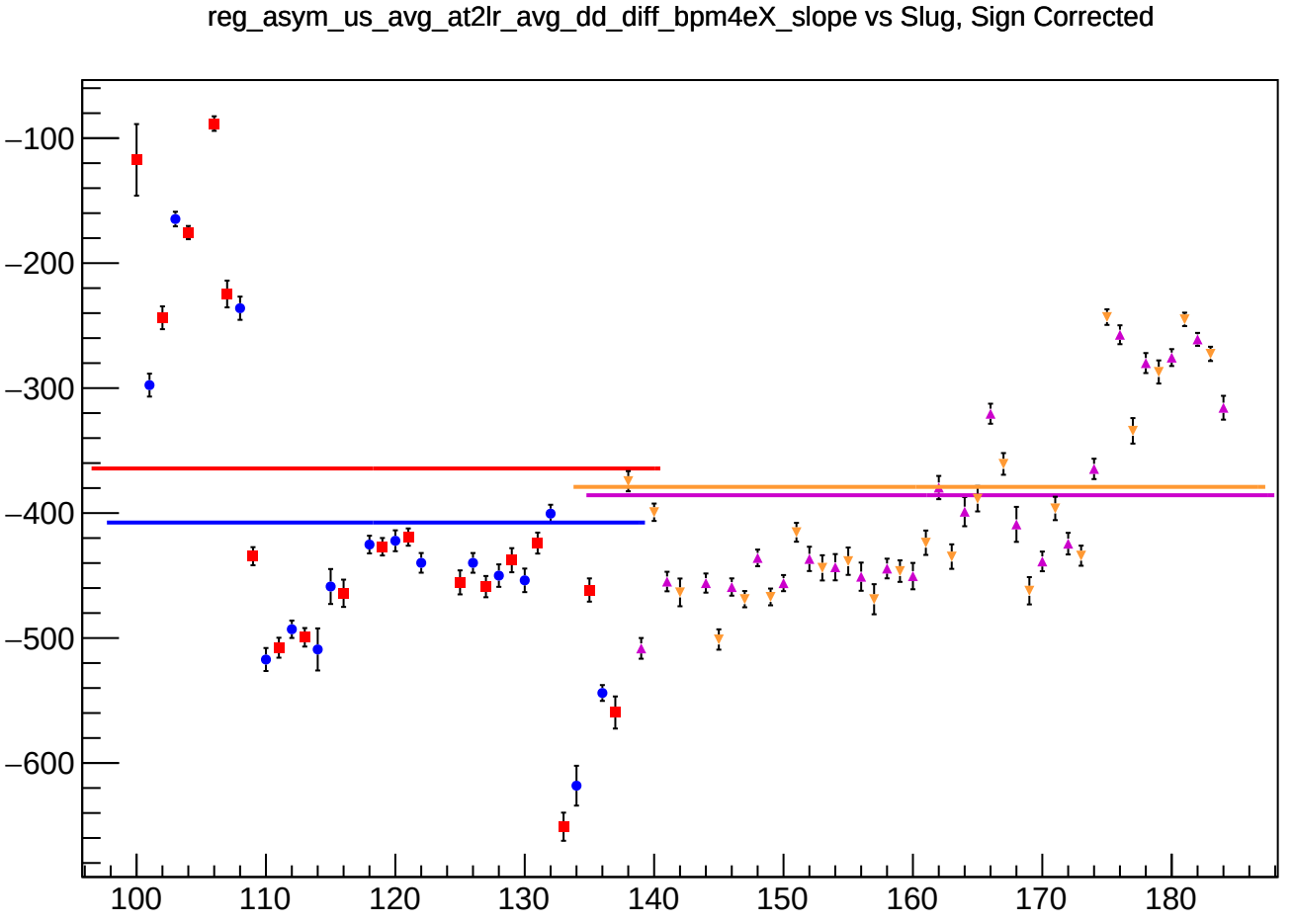
Left: 1.216+/-0.892 χ^2/NDF: 1203.5/45

Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: 2.211+/-1.053 χ^2/NDF:761.9/38

Out: 0.364+/-1.028 χ^2/NDF:831.4/40

All: 1.266+/-0.736 χ^2/NDF: 1594.8/79



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: -385.725+/-1.677 χ^2/NDF:2361.2/22

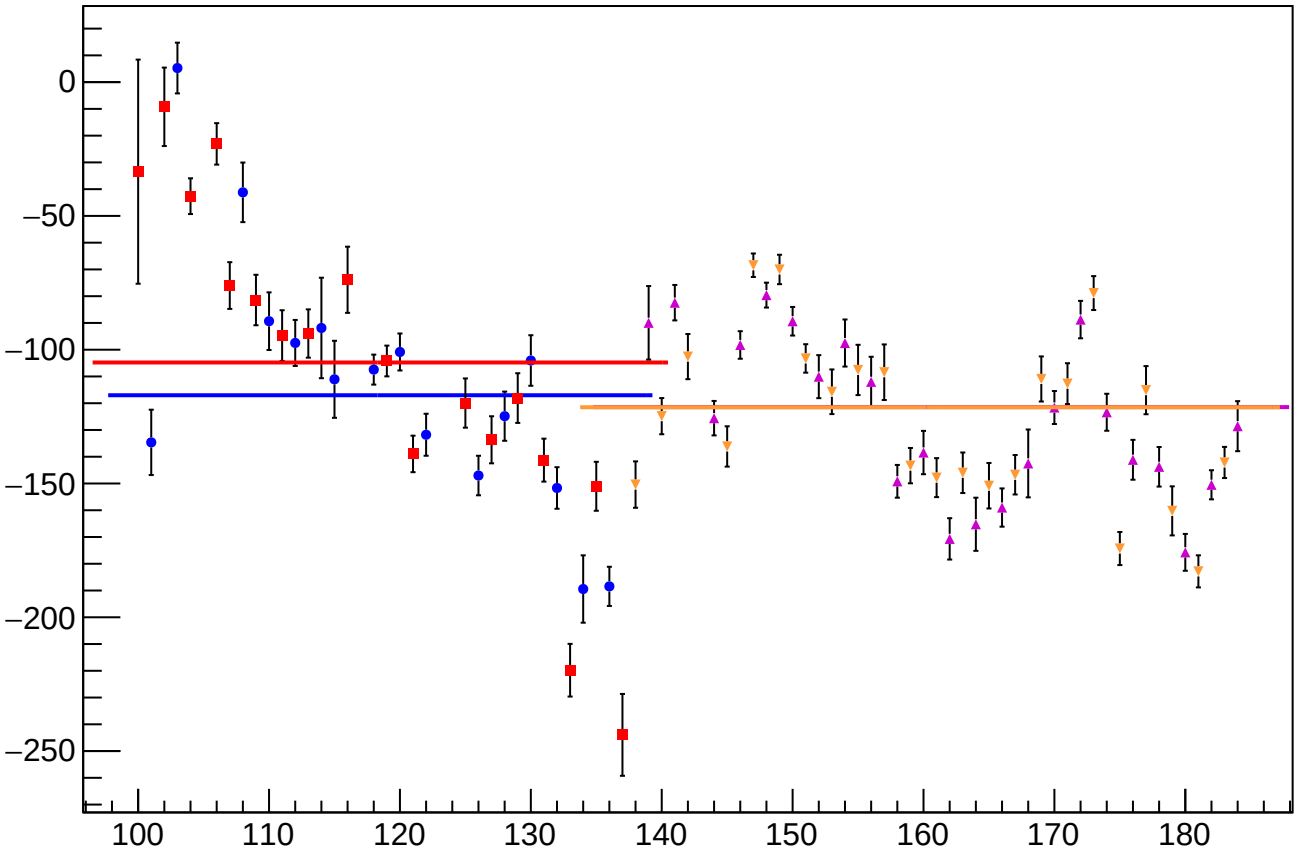
Left: -382.399+/-1.188 χ^2/NDF: 4963.0/45

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -394.363+/-1.304 χ^2/NDF:5708.9/38

Out: -372.726+/-1.272 χ^2/NDF:8847.0/40

All: -383.281+/-0.911 χ^2/NDF: 14697.0/79



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: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -121.482+/-1.024 χ^2/NDF: 1017.1/45

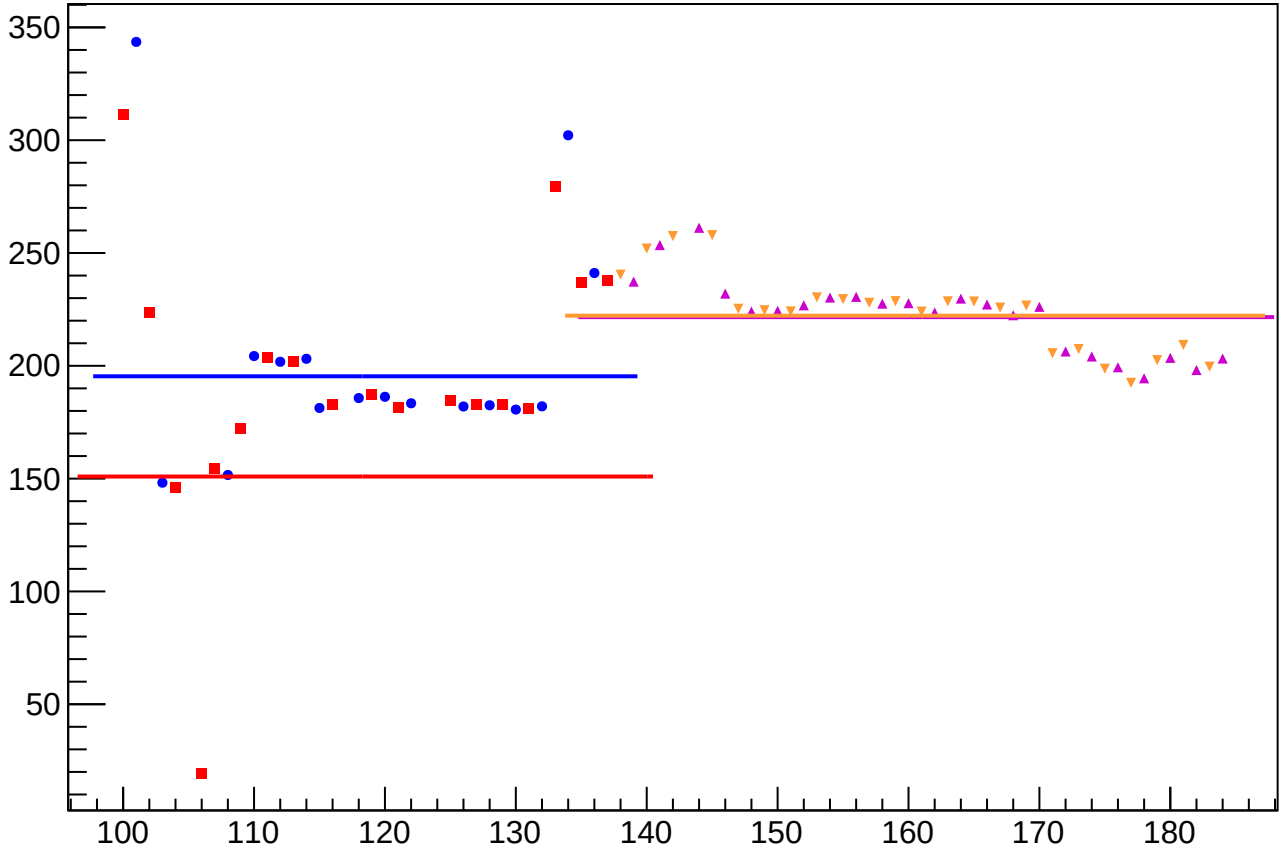
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -120.106+/-1.210 χ^2/NDF:843.3/38

Out: -116.091+/-1.190 χ^2/NDF:1202.9/40

All: -118.066+/-0.848 χ^2/NDF: 2051.8/79

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: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.892+/-0.047 χ^2/NDF: 126314.8/45

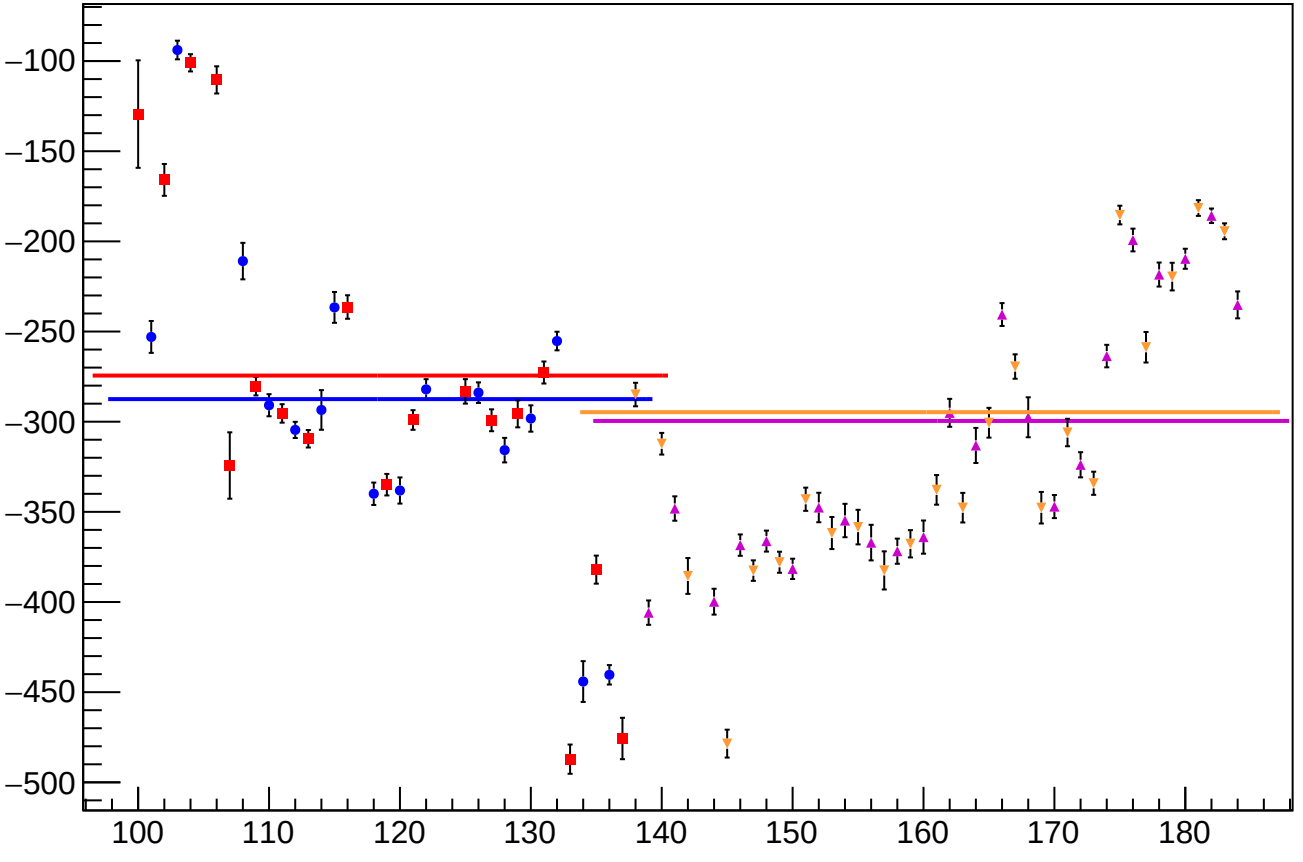
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 215.802+/-0.058 χ^2/NDF:273622.9/38

Out: 202.778+/-0.058 χ^2/NDF:867905.9/40

All: 209.185+/-0.041 χ^2/NDF: 1166733.7/79

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: -299.588+/-1.397 χ^2/NDF:2971.7/22

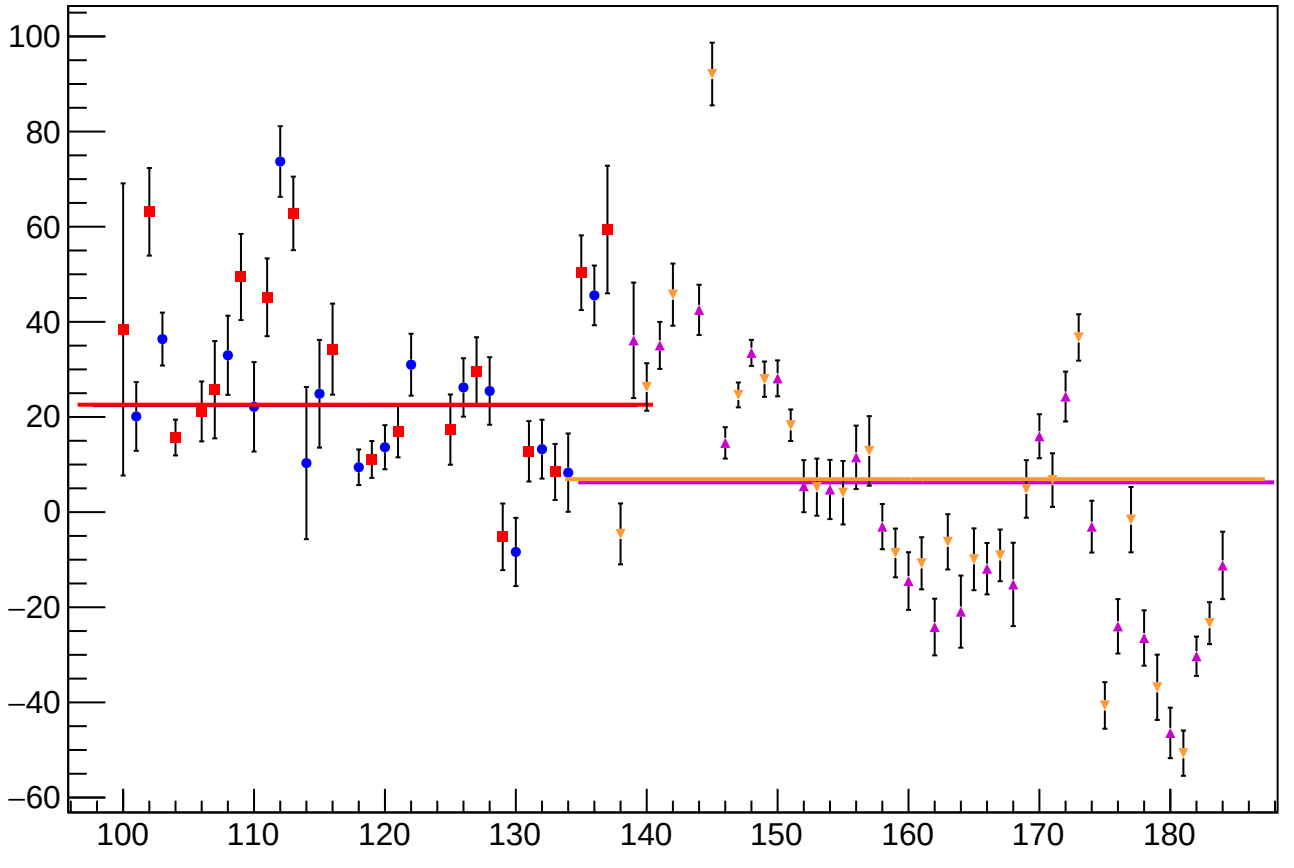
Left: -297.165+/-0.991 χ^2/NDF: 6309.5/45

Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -294.391+/-1.055 χ^2/NDF:5700.5/38

Out: -285.551+/-1.042 χ^2/NDF:6839.0/40

All: -289.915+/-0.742 χ^2/NDF: 12575.0/79



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: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.596+/-0.736 χ^2/NDF: 1278.8/45

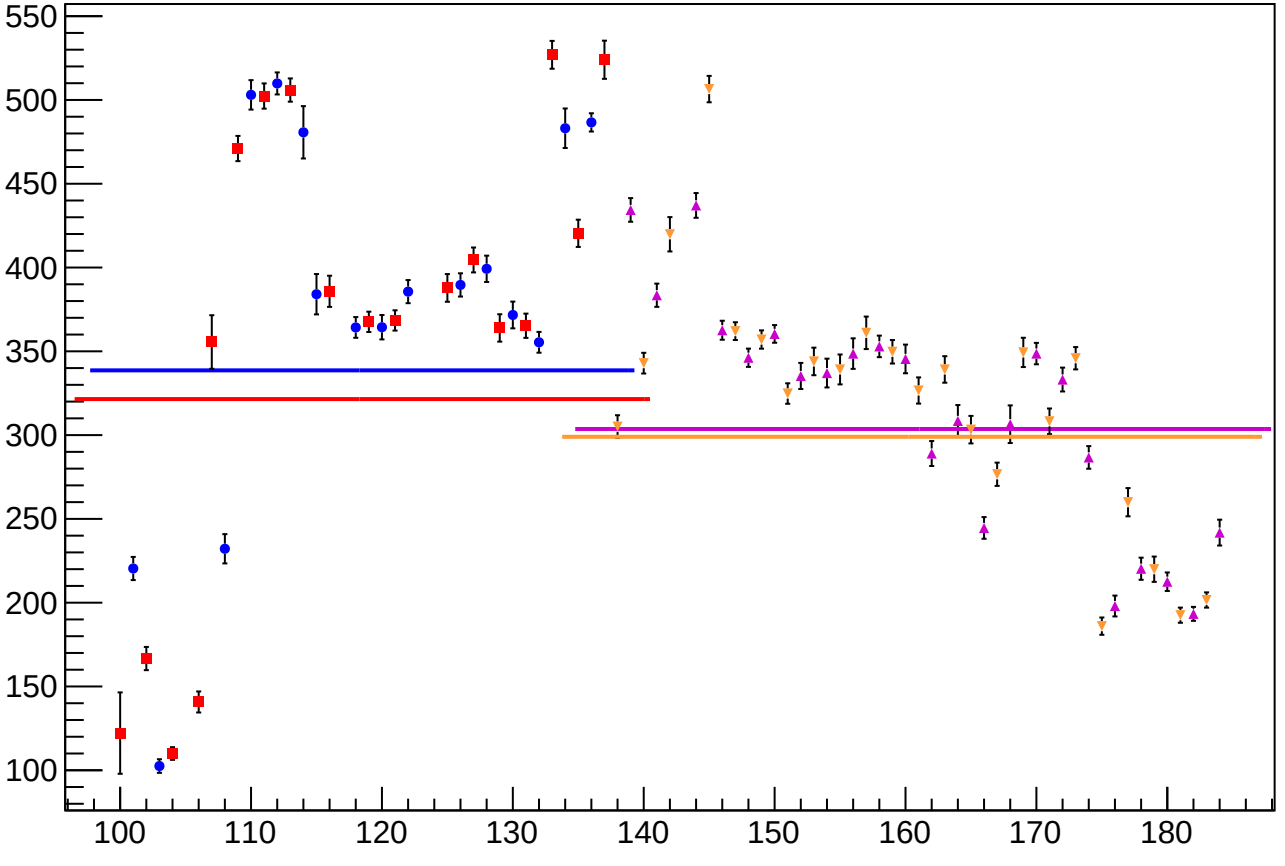
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 11.026+/-0.878 χ^2/NDF:741.7/38

Out: 11.685+/-0.865 χ^2/NDF:911.7/40

All: 11.360+/-0.616 χ^2/NDF: 1653.7/79

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: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.340+/-0.982 χ^2/NDF: 5934.6/45

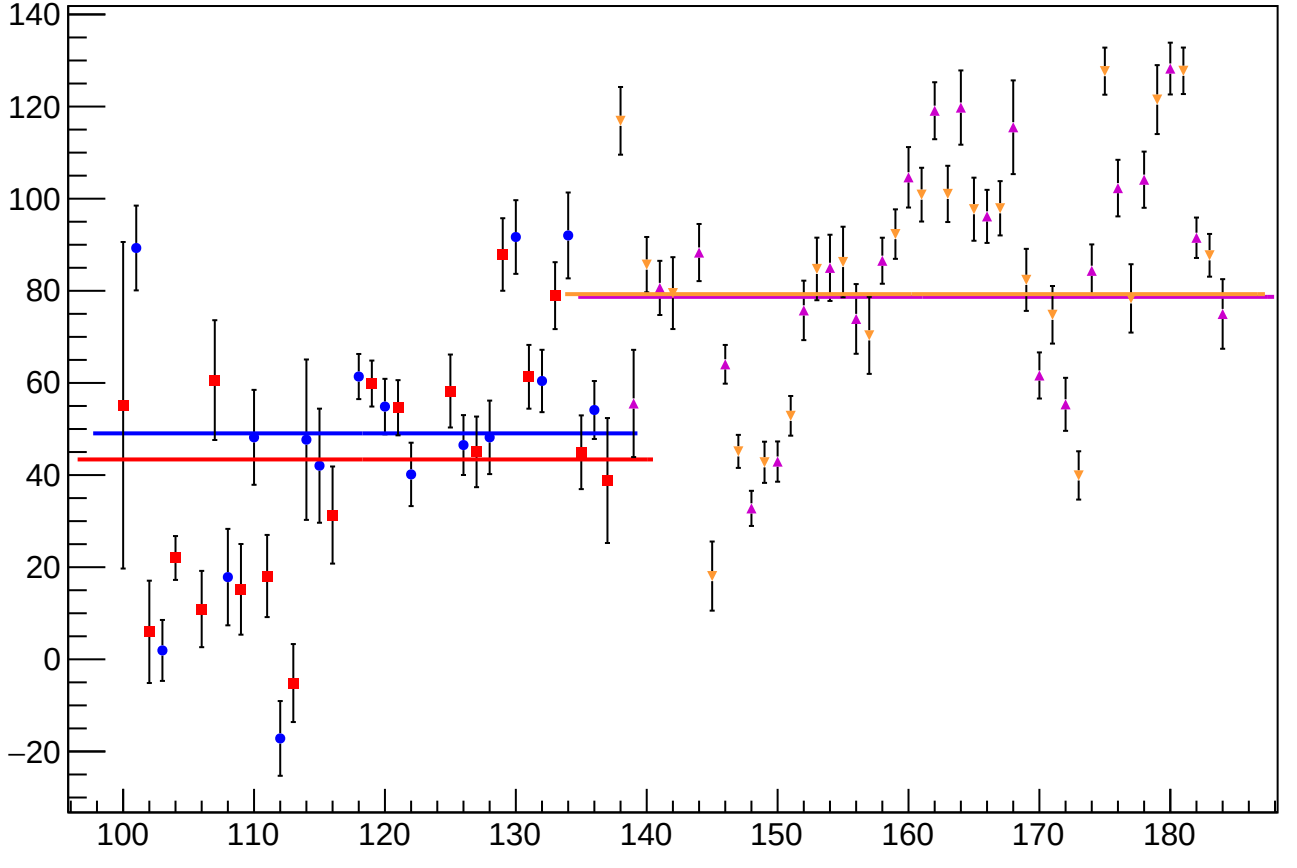
Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 317.112+/-1.084 χ^2/NDF:9161.6/38

Out: 308.076+/-1.076 χ^2/NDF:10882.5/40

All: 312.560+/-0.764 χ^2/NDF: 20079.0/79

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: 78.689+/-1.195 χ^2/NDF:488.6/22

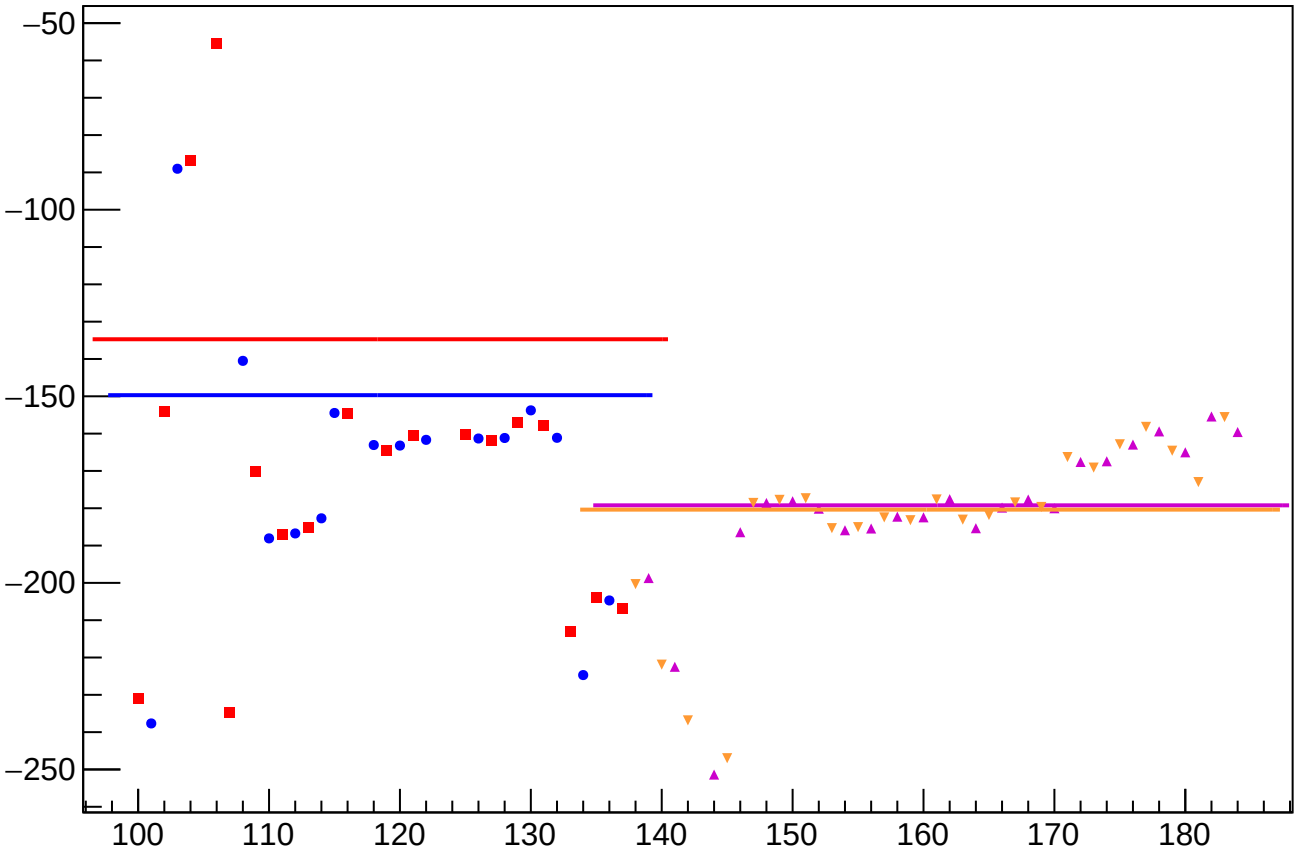
Left: 78.983+/-0.845 χ^2/NDF: 1103.9/45

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 70.178+/-1.009 χ^2/NDF:873.2/38

Out: 68.581+/-1.001 χ^2/NDF:1064.0/40

All: 69.373+/-0.711 χ^2/NDF: 1938.5/79



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: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.782+/-0.039 χ^2/NDF: 240673.4/45

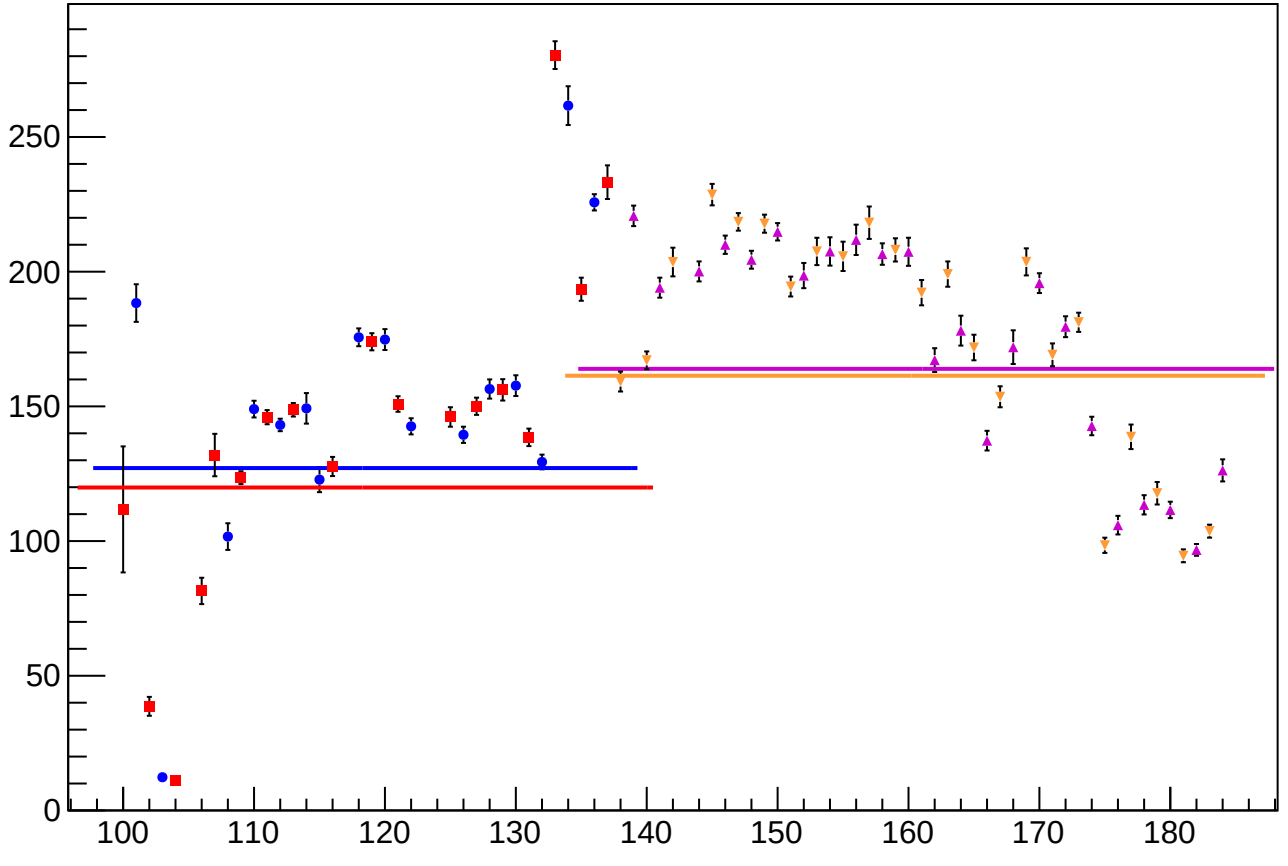
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -172.541+/-0.048 χ^2/NDF:436334.7/38

Out: -169.053+/-0.048 χ^2/NDF:606210.2/40

All: -170.809+/-0.034 χ^2/NDF: 1045170.8/79

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: 163.927+/-0.779 χ^2/NDF:3335.5/22

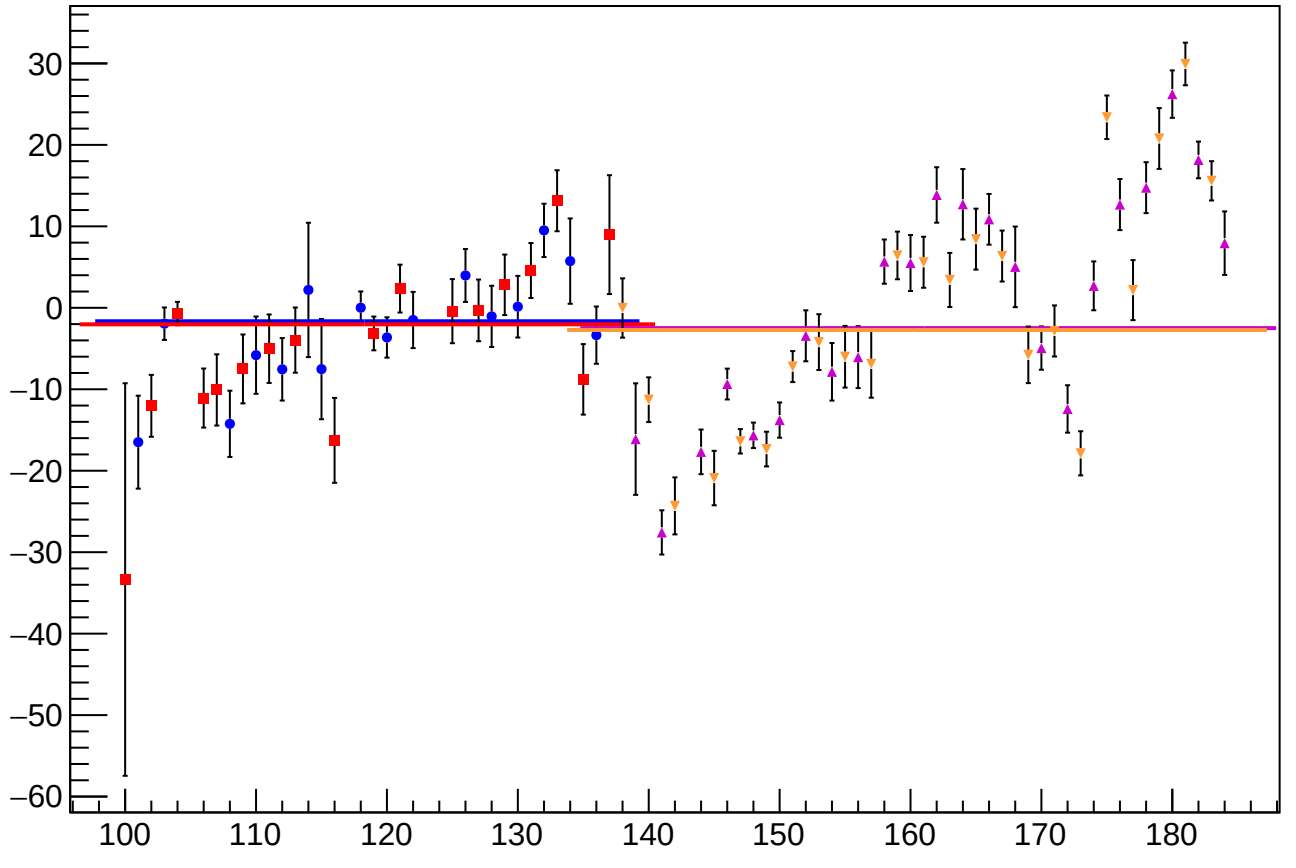
Left: 162.664+/-0.553 χ^2/NDF: 6920.0/45

Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 146.244+/-0.562 χ^2/NDF:10571.1/38

Out: 140.362+/-0.551 χ^2/NDF:11646.4/40

All: 143.246+/-0.393 χ^2/NDF: 22273.3/79



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: -2.492+/-0.587 χ^2/NDF:562.9/22

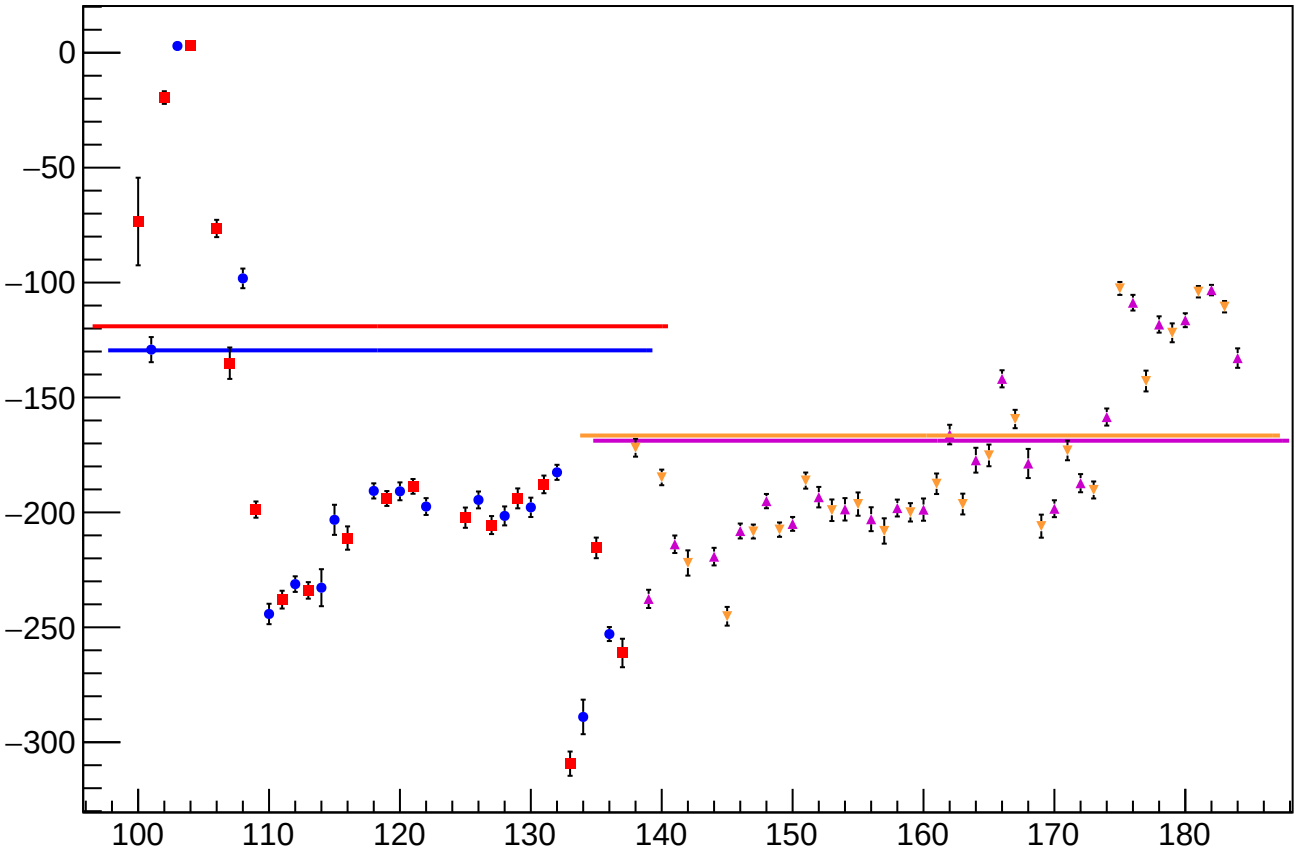
Left: -2.606+/-0.414 χ^2/NDF: 1198.9/45

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -2.213+/-0.480 χ^2/NDF:602.6/38

Out: -2.467+/-0.465 χ^2/NDF:695.0/40

All: -2.344+/-0.334 χ^2/NDF: 1297.8/79



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: -168.810+/-0.772 χ^2/NDF:3059.5/22

Left: -167.689+/-0.548 χ^2/NDF: 6148.8/45

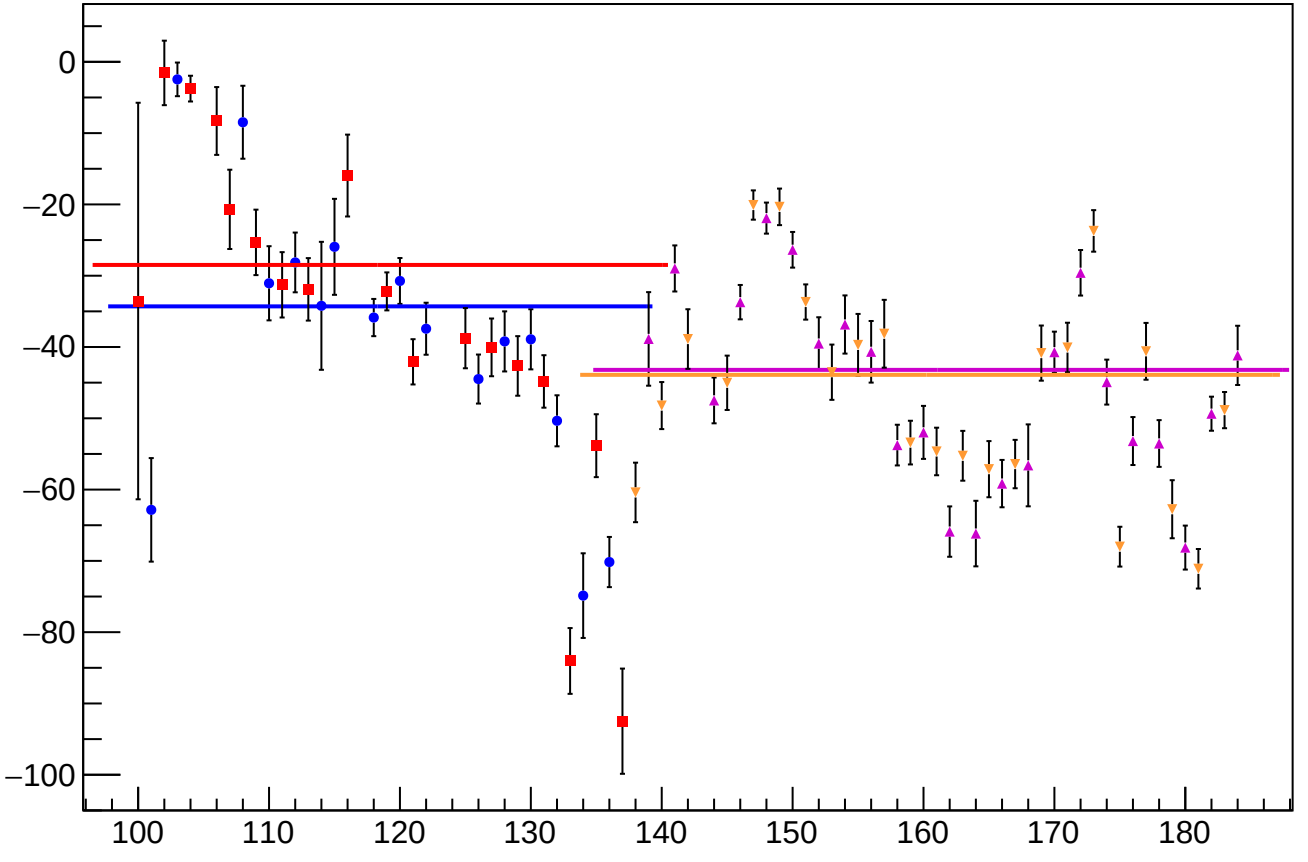
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -150.946+/-0.571 χ^2/NDF:18924.4/38

Out: -143.814+/-0.562 χ^2/NDF:21046.0/40

All: -147.327+/-0.400 χ^2/NDF: 40049.7/79

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -43.905+/-0.670 χ^2/NDF:559.3/22

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

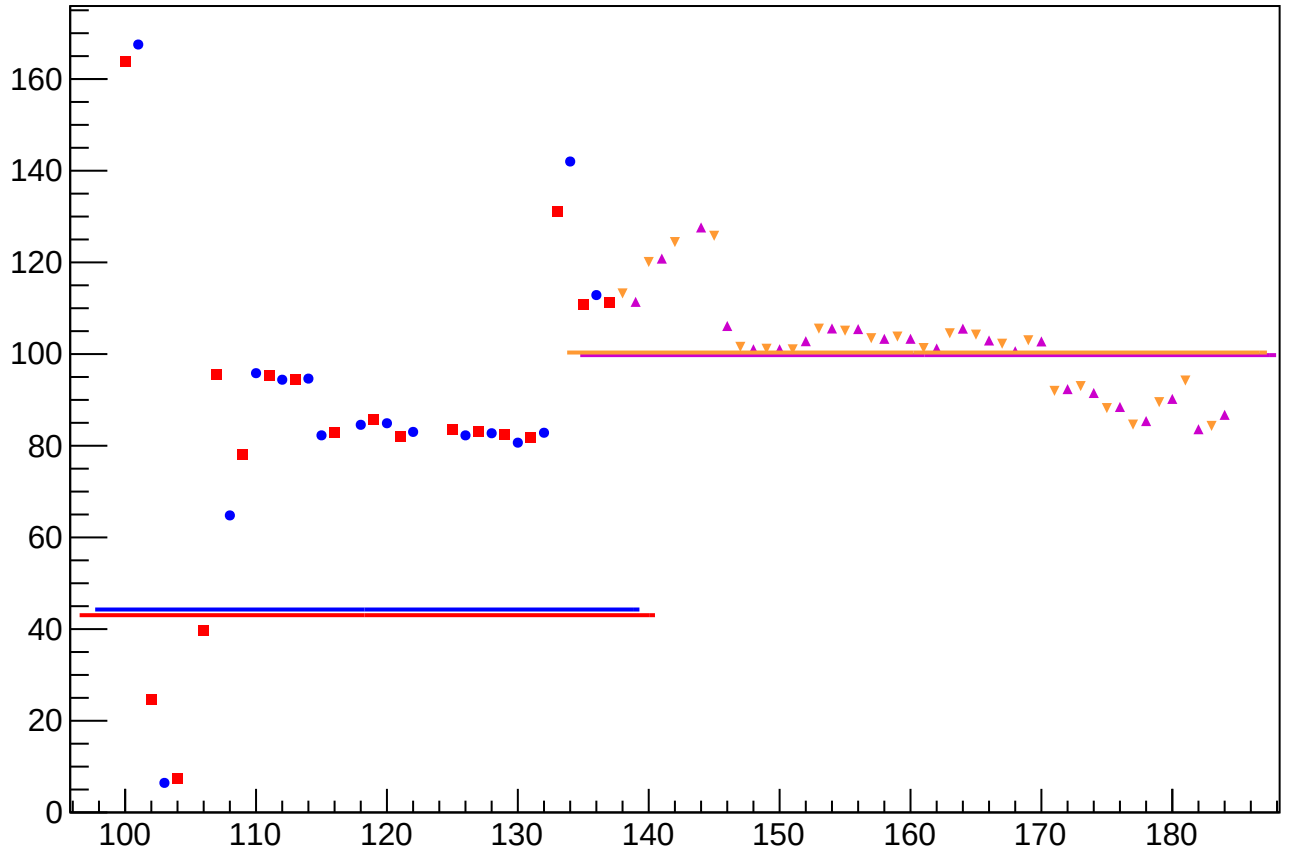
Left: -43.556+/-0.474 χ^2/NDF: 965.6/45

Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -40.321+/-0.551 χ^2/NDF:874.4/38

Out: -38.458+/-0.539 χ^2/NDF:1314.2/40

All: -39.369+/-0.385 χ^2/NDF: 2194.4/79



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: 99.769+/-0.031 χ^2/NDF:113501.0/22

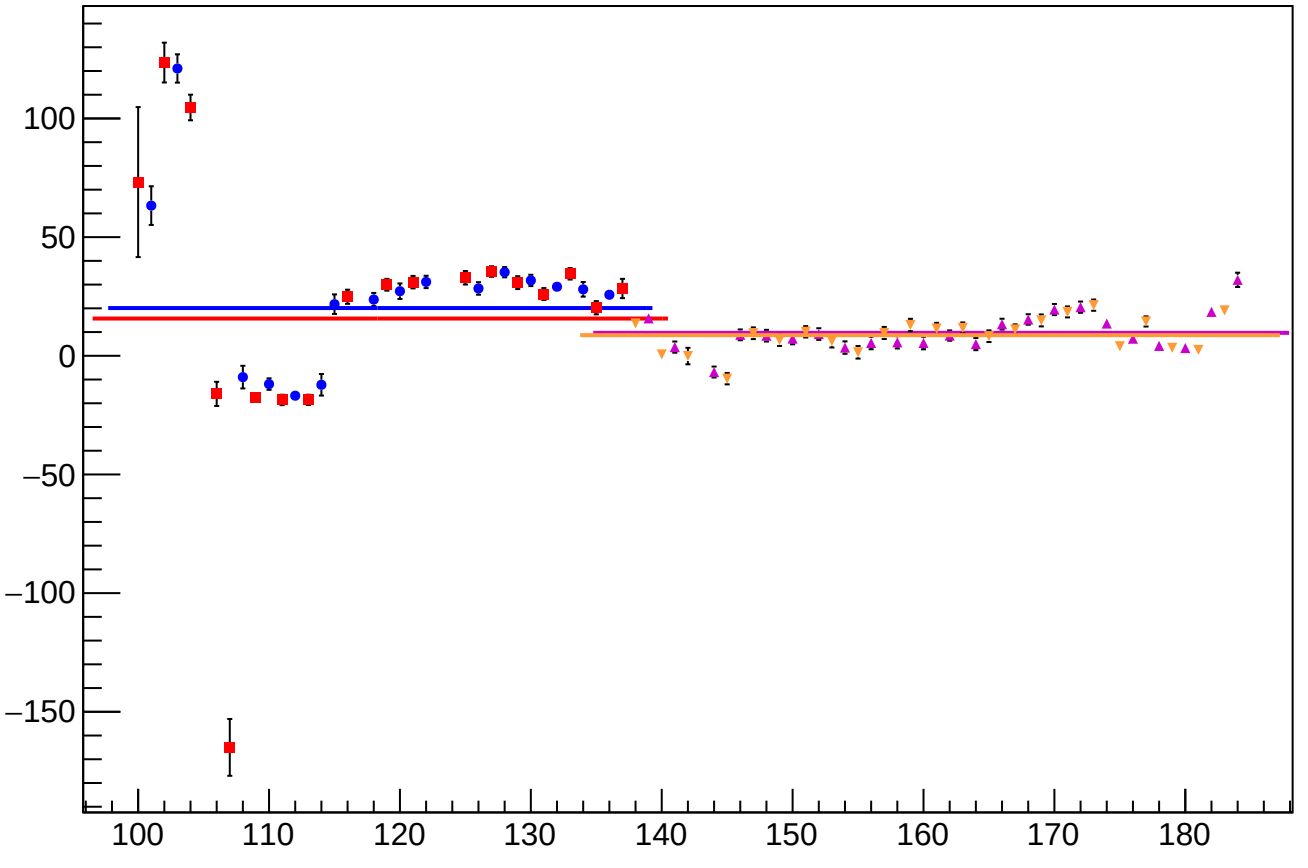
Left: 100.047+/-0.022 χ^2/NDF: 229120.5/45

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 82.228+/-0.025 χ^2/NDF:2241431.8/38

Out: 81.771+/-0.026 χ^2/NDF:2014933.7/40

All: 82.003+/-0.018 χ^2/NDF: 4256526.7/79



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: 9.676+/-0.462 χ^2/NDF:246.7/22

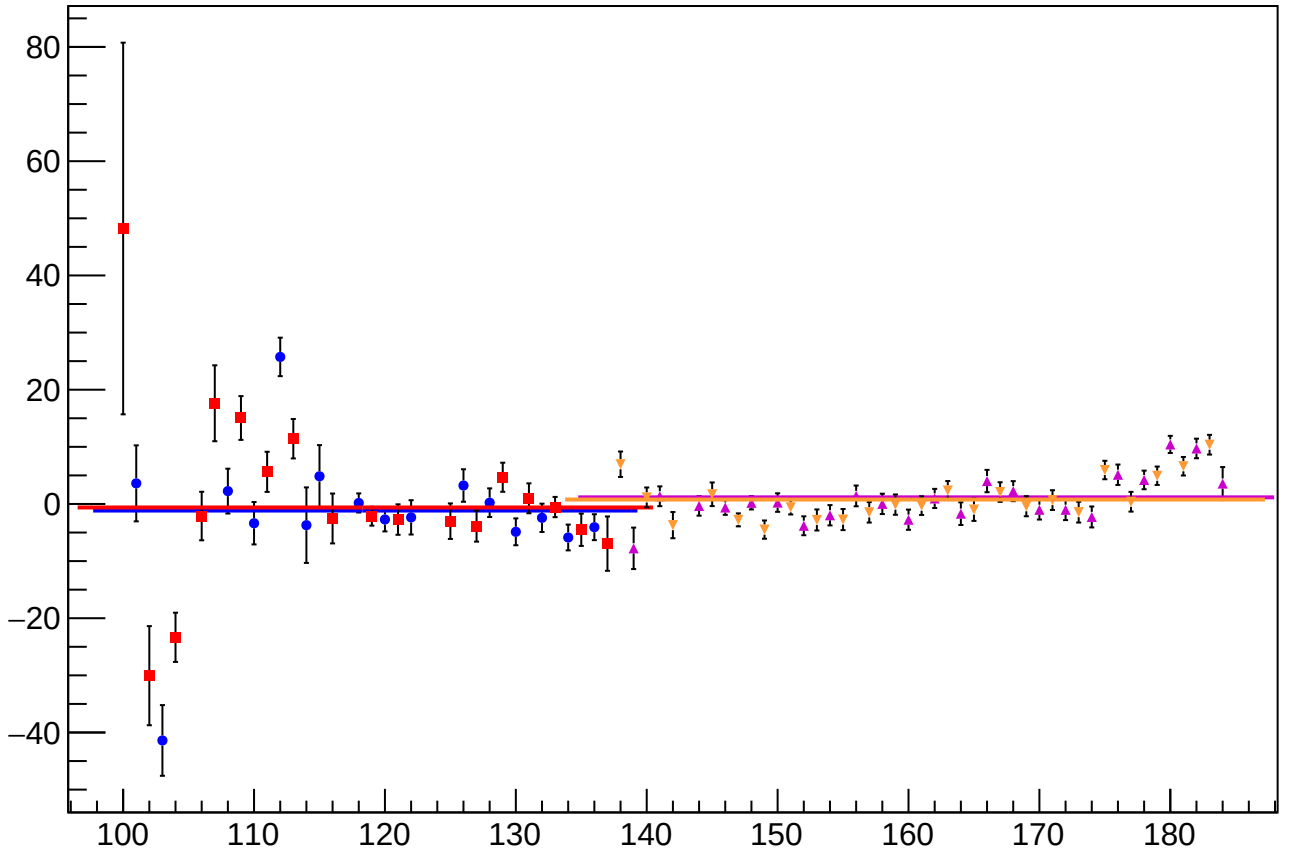
Left: 9.183+/-0.326 χ^2/NDF: 482.0/45

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 12.931+/-0.384 χ^2/NDF:1453.8/38

Out: 10.884+/-0.381 χ^2/NDF:2079.4/40

All: 11.901+/-0.270 χ^2/NDF: 3547.5/79



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: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.963+/-0.251 χ^2/NDF: 219.3/45

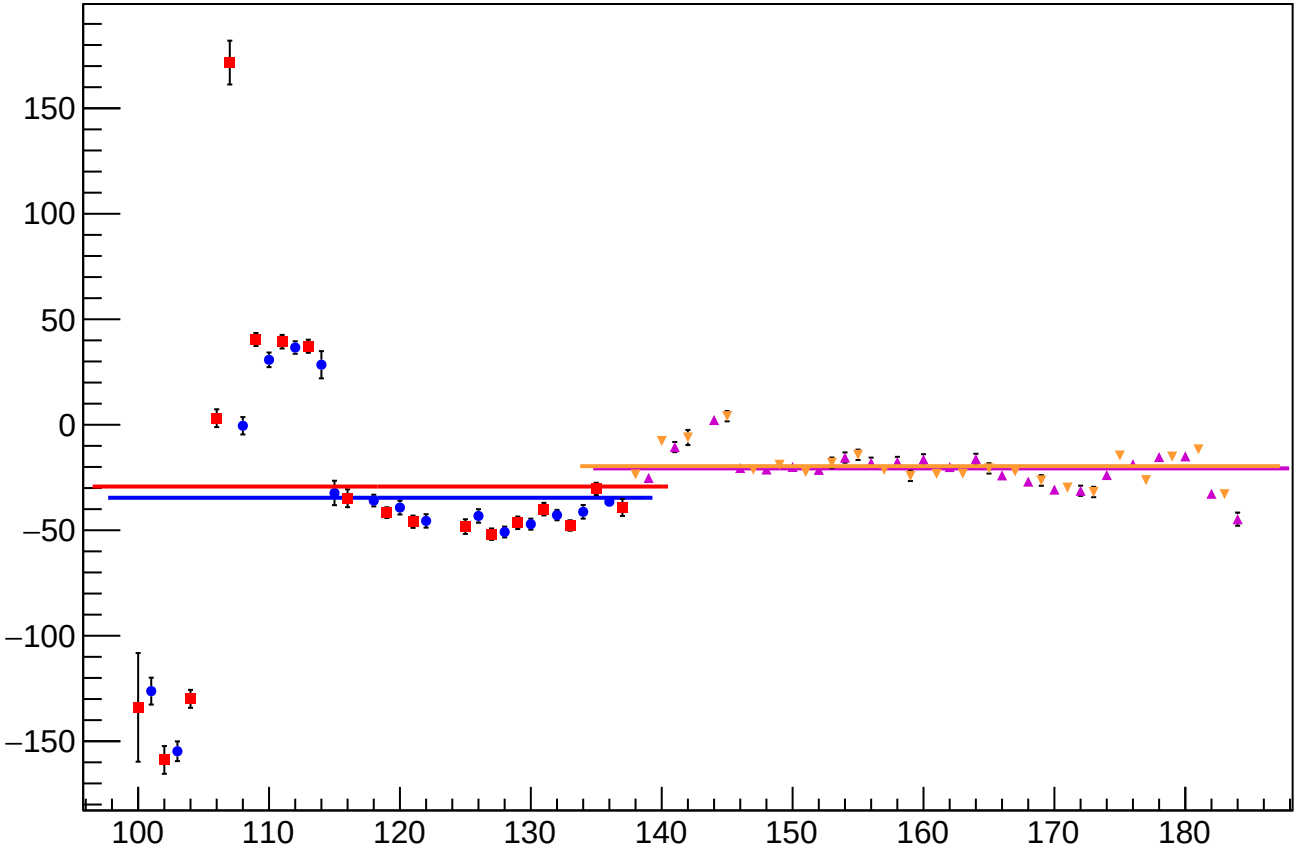
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: 0.678+/-0.318 χ^2/NDF:240.9/38

Out: 0.504+/-0.315 χ^2/NDF:204.7/40

All: 0.590+/-0.224 χ^2/NDF: 445.8/79

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: -20.683+/-0.458 χ^2/NDF:310.5/22

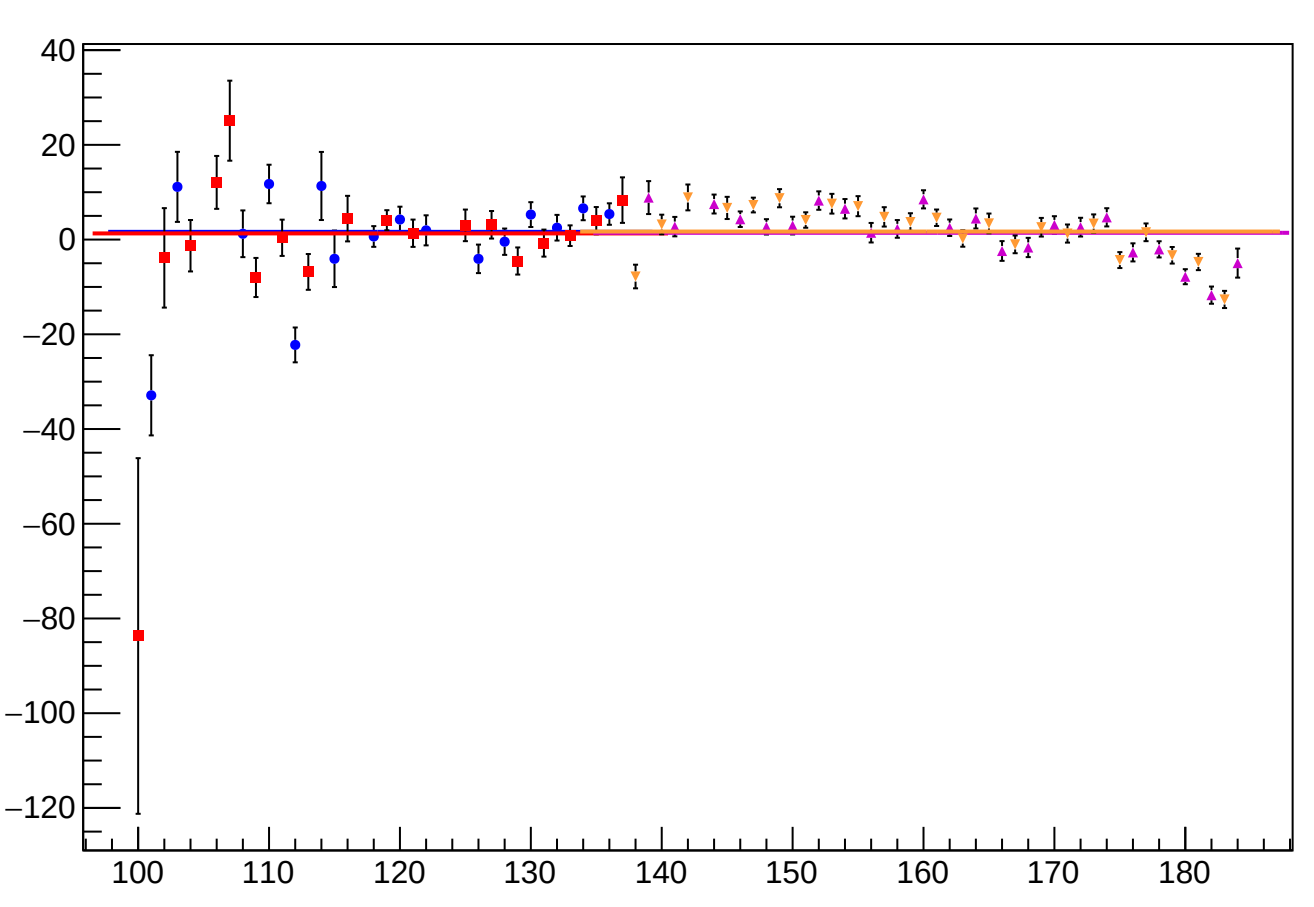
Left: -20.155+/-0.323 χ^2/NDF: 633.6/45

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.205+/-0.396 χ^2/NDF:2603.0/38

Out: -21.994+/-0.396 χ^2/NDF:3511.3/40

All: -23.100+/-0.280 χ^2/NDF: 6129.8/79



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: 1.428+/-0.403 χ^2/NDF:162.8/22

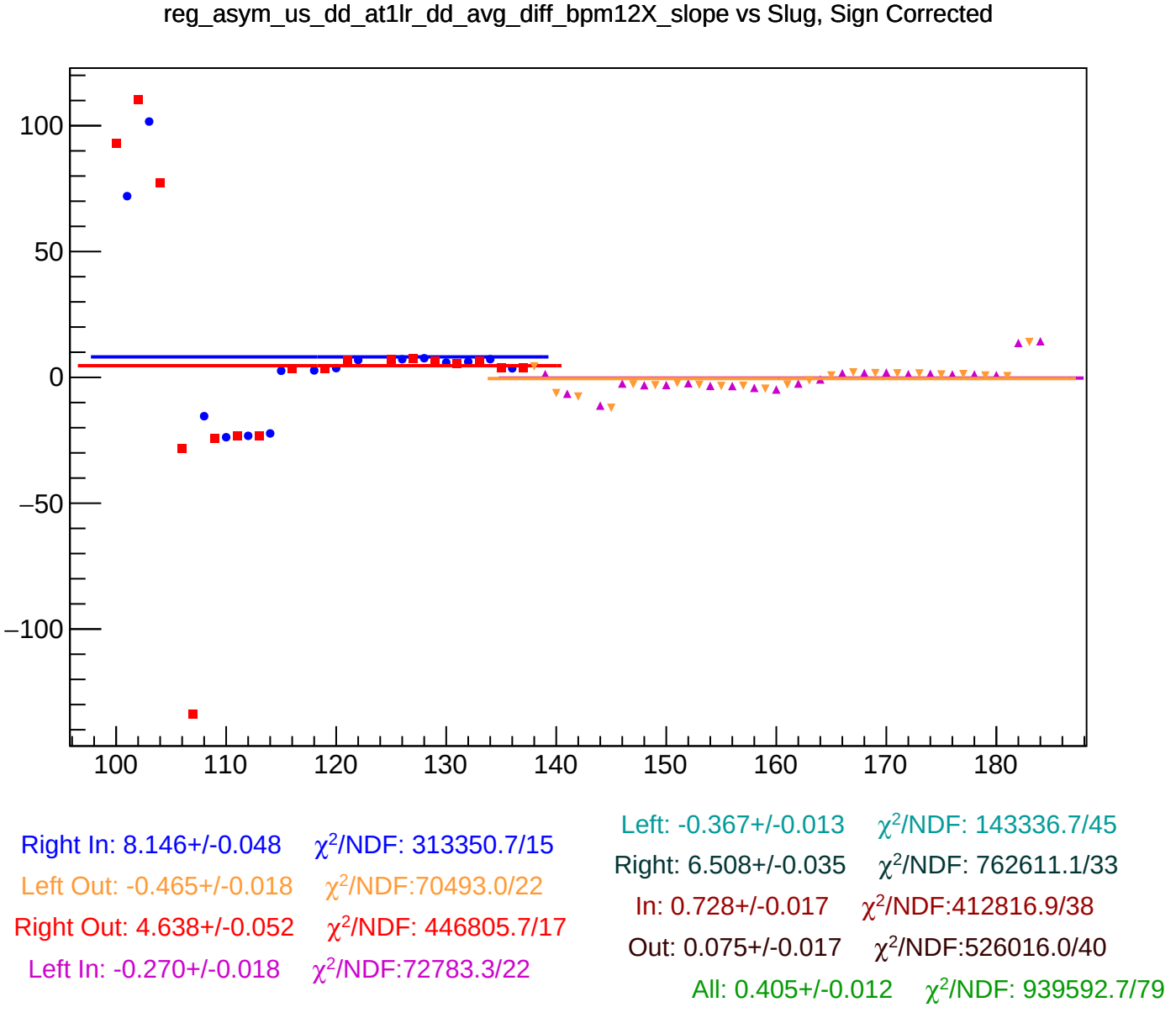
Left: 1.563+/-0.283 χ^2/NDF: 340.7/45

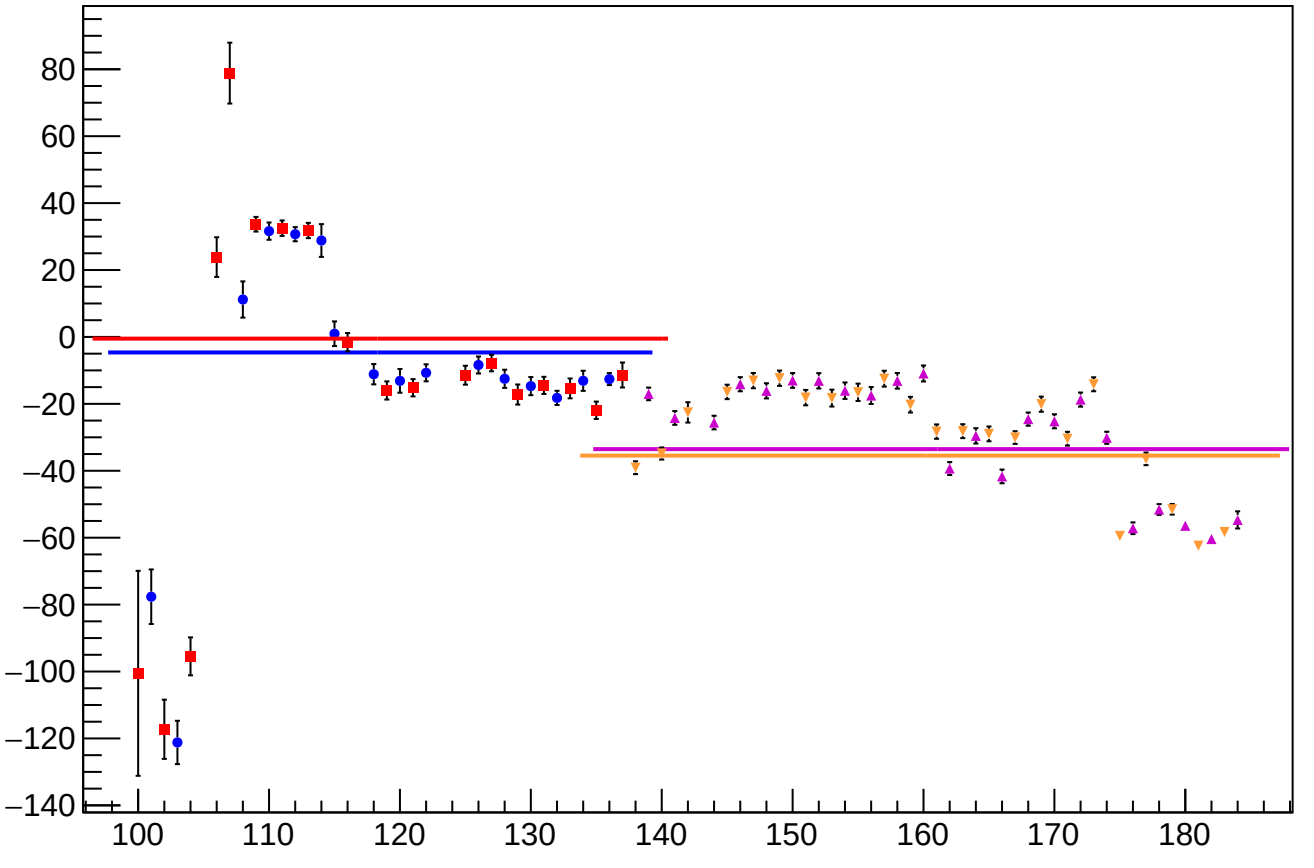
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 1.469+/-0.359 χ^2/NDF:246.1/38

Out: 1.620+/-0.357 χ^2/NDF:215.4/40

All: 1.545+/-0.253 χ^2/NDF: 461.6/79


reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: 8.146+/-0.048 χ²/NDF: 313350.7/15
Left Out: -0.465+/-0.018 χ²/NDF:70493.0/22
Right Out: 4.638+/-0.052 χ²/NDF: 446805.7/17
Left In: -0.270+/-0.018 χ²/NDF:72783.3/22
Left: -0.367+/-0.013 χ²/NDF: 143336.7/45
Right: 6.508+/-0.035 χ²/NDF: 762611.1/33
In: 0.728+/-0.017 χ²/NDF:412816.9/38
Out: 0.075+/-0.017 χ²/NDF:526016.0/40
All: 0.405+/-0.012 χ²/NDF: 939592.7/79



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: -33.528+/-0.414 χ^2/NDF:1806.1/22

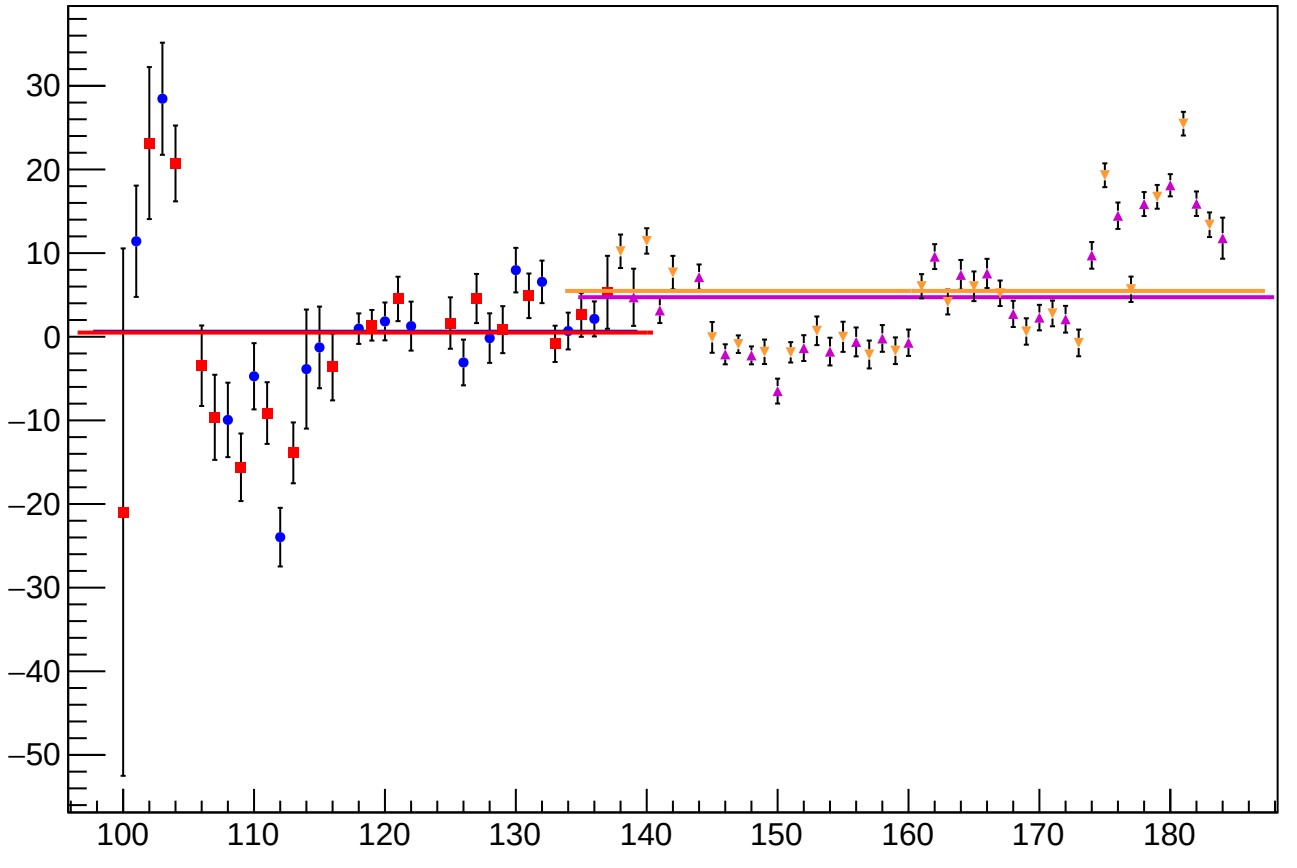
Left: -34.502+/-0.292 χ^2/NDF: 3641.5/45

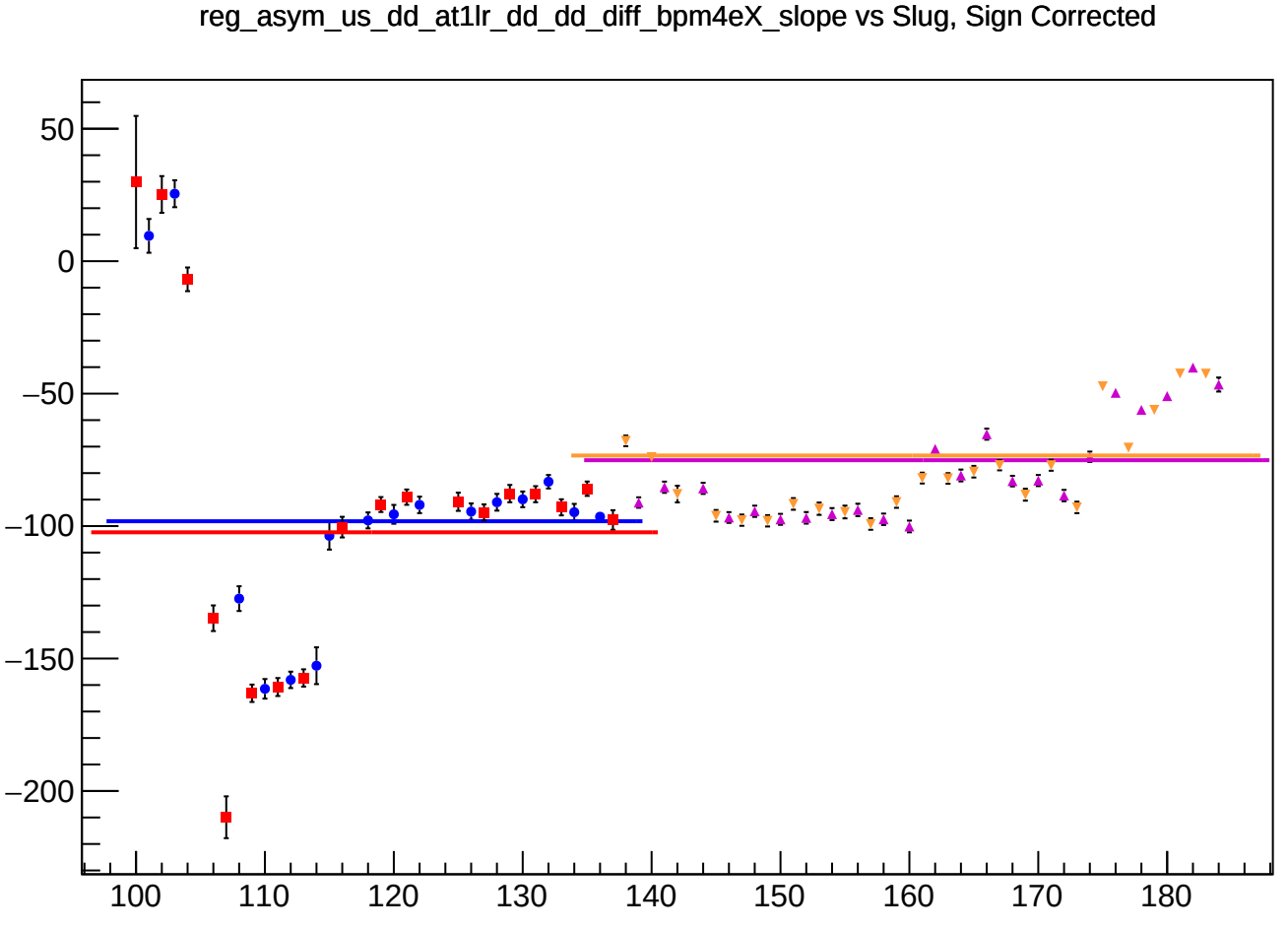
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -26.230+/-0.358 χ^2/NDF:4084.3/38

Out: -26.694+/-0.356 χ^2/NDF:5094.0/40

All: -26.463+/-0.252 χ^2/NDF: 9179.1/79


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: 4.727+/-0.321 χ²/NDF:496.0/22
Left: 5.107+/-0.226 χ²/NDF: 1100.3/45
Right: 0.551+/-0.524 χ²/NDF: 173.0/33
In: 4.053+/-0.294 χ²/NDF:615.8/38
Out: 4.731+/-0.292 χ²/NDF:718.8/40
All: 4.394+/-0.207 χ²/NDF: 1337.2/79



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -73.360+/-0.408 χ^2/NDF:2383.0/22

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

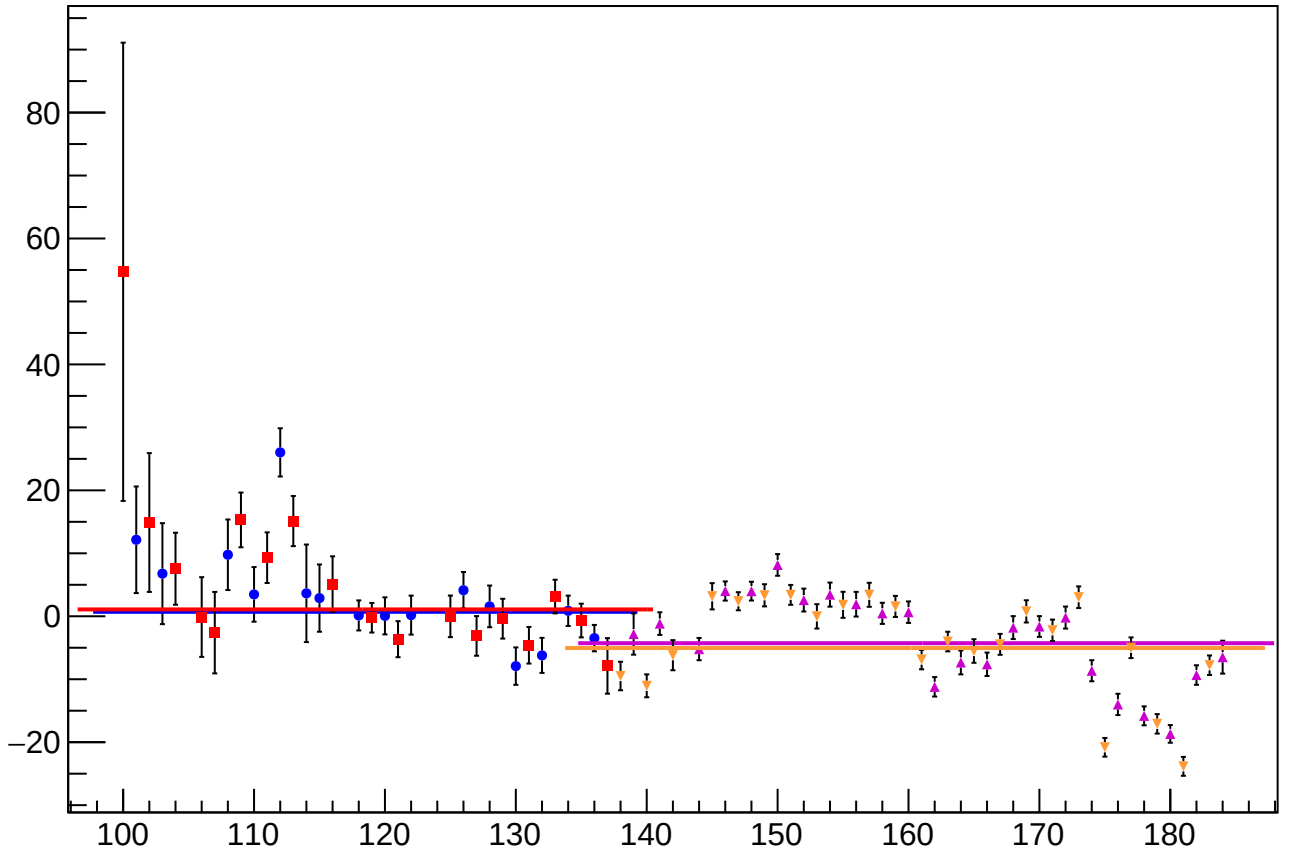
Left: -74.242+/-0.289 χ^2/NDF: 4754.3/45

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -79.806+/-0.366 χ^2/NDF:4702.2/38

Out: -78.931+/-0.367 χ^2/NDF:5469.7/40

All: -79.370+/-0.259 χ^2/NDF: 10174.8/79



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: -4.278+/-0.361 χ^2/NDF:424.1/22

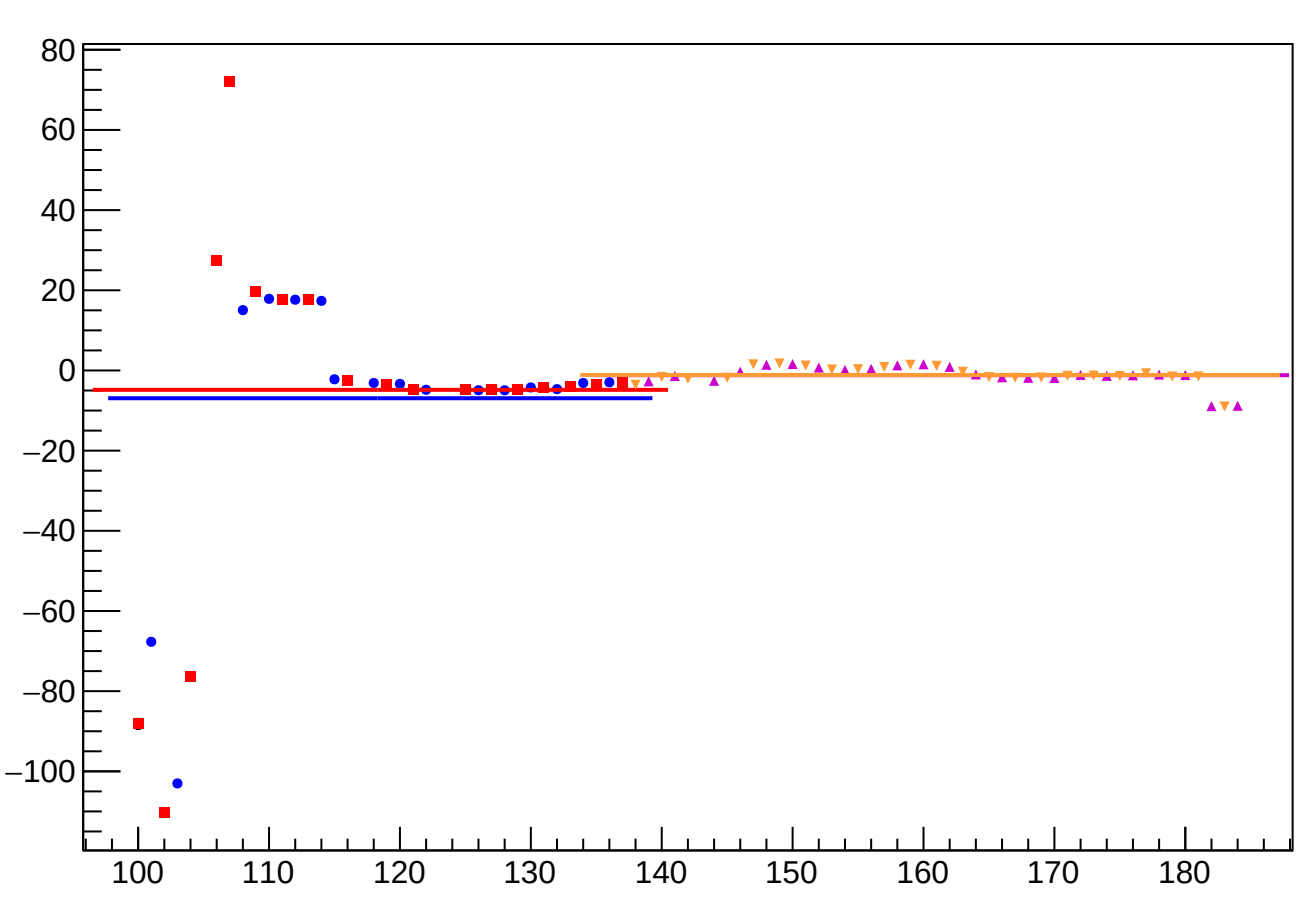
Left: -4.666+/-0.254 χ^2/NDF: 958.9/45

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

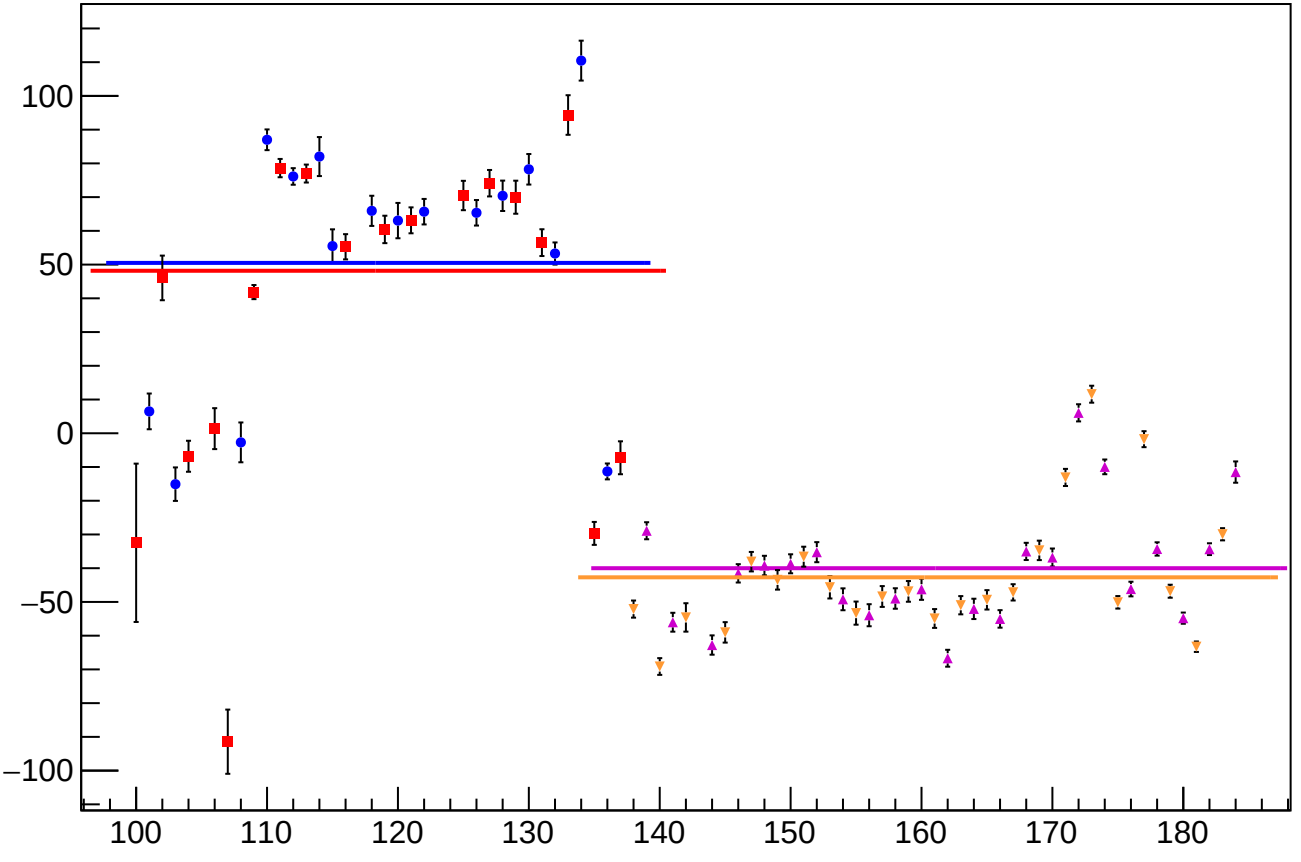
In: -3.471+/-0.330 χ^2/NDF:524.7/38

Out: -4.137+/-0.330 χ^2/NDF:623.8/40

All: -3.804+/-0.233 χ^2/NDF: 1150.5/79


reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
Right In: -6.927+/-0.049 χ²/NDF: 265187.0/15
Left Out: -1.130+/-0.016 χ²/NDF:21204.7/22
Right Out: -4.833+/-0.053 χ²/NDF: 339363.3/17
Left In: -1.180+/-0.016 χ²/NDF:24754.1/22
Left: -1.155+/-0.011 χ²/NDF: 45963.7/45
Right: -5.968+/-0.036 χ²/NDF: 605403.2/33
In: -1.741+/-0.015 χ²/NDF:302595.9/38
Out: -1.442+/-0.015 χ²/NDF:365070.0/40
All: -1.593+/-0.011 χ²/NDF: 667857.7/79

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: -40.000+/-0.524 χ^2/NDF:1031.8/22

Left: -41.358+/-0.370 χ^2/NDF: 2424.1/45

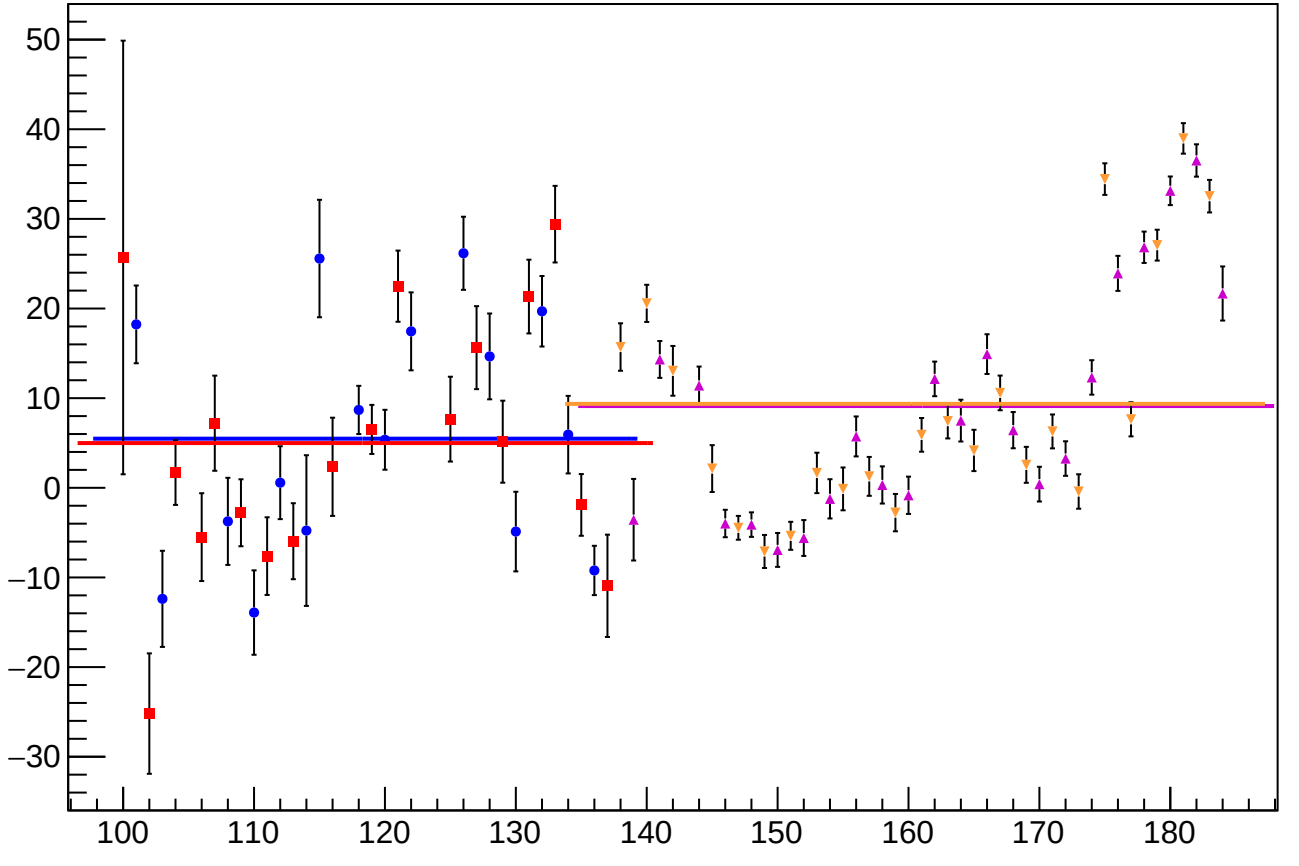
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -19.385+/-0.461 χ^2/NDF:9322.9/38

Out: -20.381+/-0.453 χ^2/NDF:10351.0/40

All: -19.892+/-0.323 χ^2/NDF: 19676.2/79

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: 9.121+/-0.409 χ^2/NDF:1051.8/22

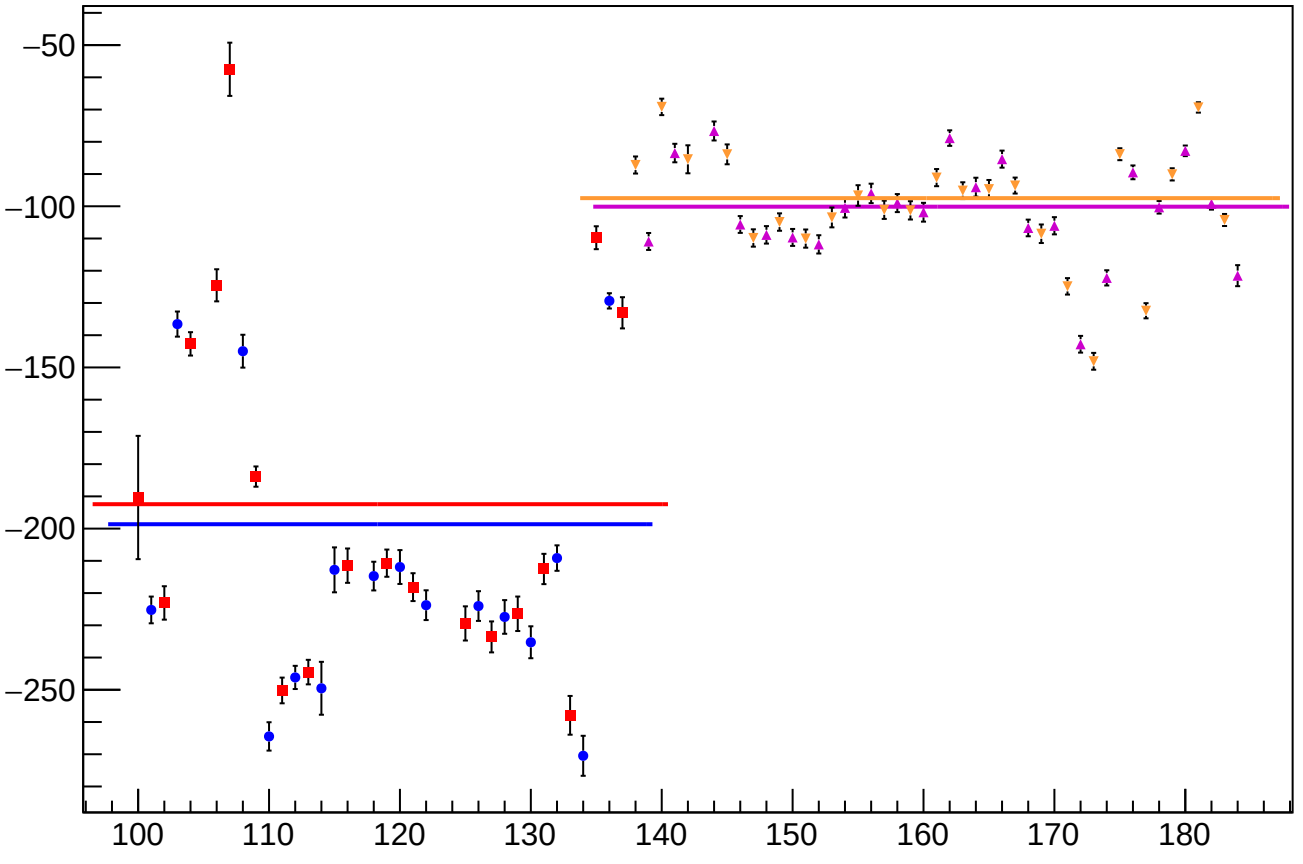
Left: 9.245+/-0.287 χ^2/NDF: 2273.0/45

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 8.618+/-0.380 χ^2/NDF:1200.9/38

Out: 8.774+/-0.376 χ^2/NDF:1368.7/40

All: 8.697+/-0.267 χ^2/NDF: 2569.7/79



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: -100.127+/-0.520 χ^2/NDF:823.2/22

Left: -98.798+/-0.367 χ^2/NDF: 2181.2/45

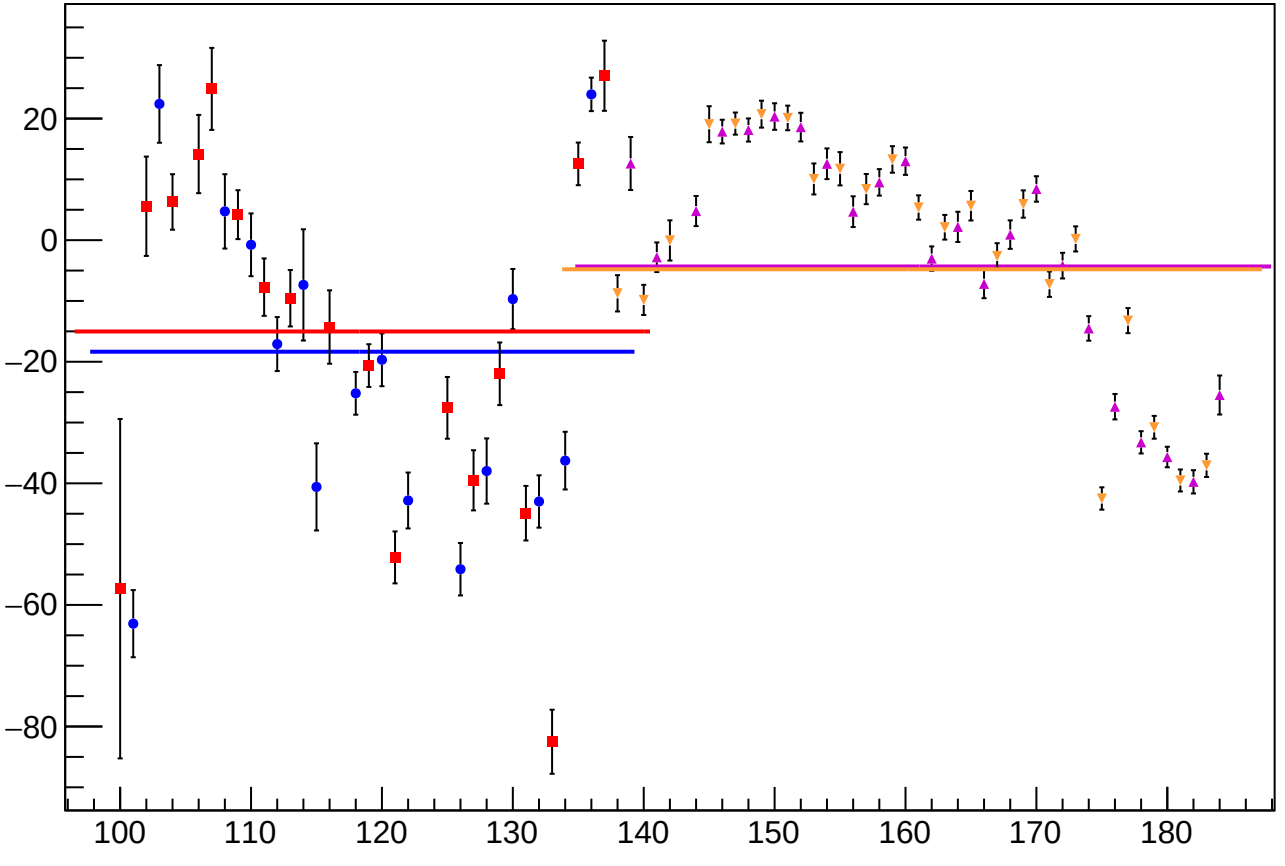
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -118.577+/-0.469 χ^2/NDF:9545.4/38

Out: -115.250+/-0.467 χ^2/NDF:9769.4/40

All: -116.908+/-0.331 χ^2/NDF: 19340.0/79

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: -4.328+/-0.459 χ^2/NDF:1854.2/22

Left: -4.560+/-0.323 χ^2/NDF: 3923.8/45

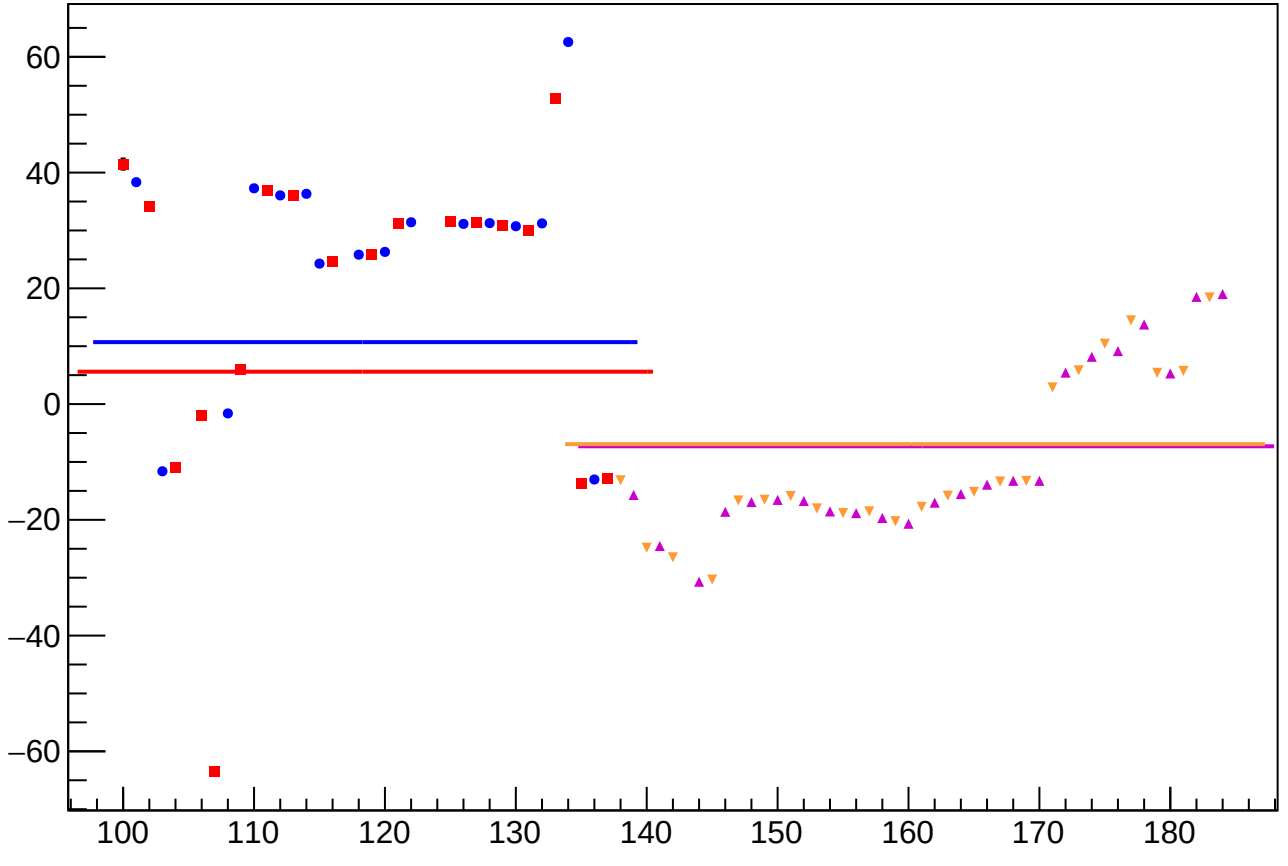
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: -6.226+/-0.427 χ^2/NDF:2524.5/38

Out: -6.148+/-0.424 χ^2/NDF:2682.9/40

All: -6.187+/-0.301 χ^2/NDF: 5207.4/79

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: -7.292+/-0.020 χ^2/NDF:488261.5/22

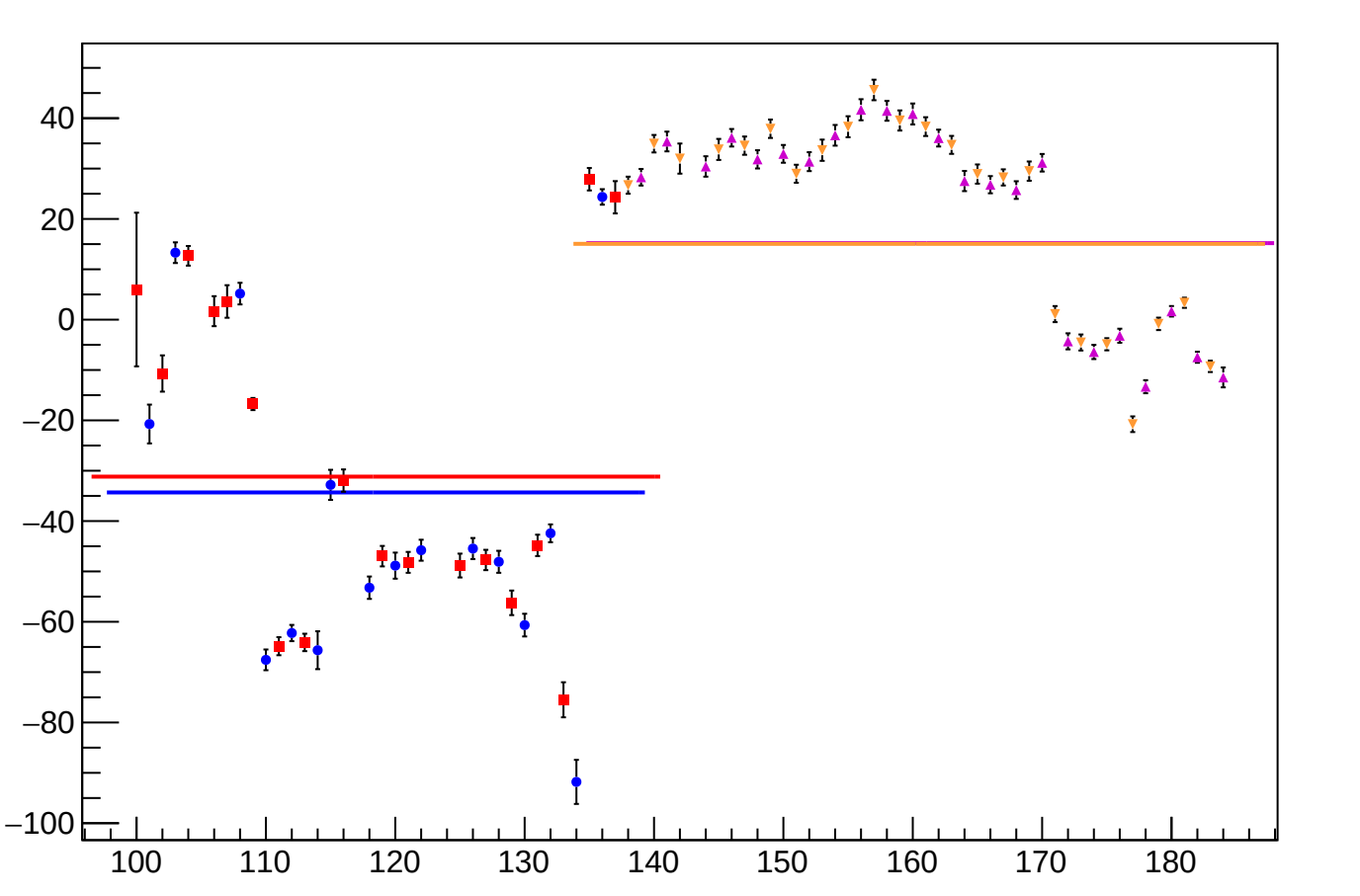
Left: -7.108+/-0.014 χ^2/NDF: 957119.4/45

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -5.594+/-0.019 χ^2/NDF:727247.6/38

Out: -5.755+/-0.019 χ^2/NDF:658768.5/40

All: -5.674+/-0.014 χ^2/NDF: 1386050.7/79



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: 15.194+/-0.339 χ^2/NDF:3406.6/22

Left: 15.124+/-0.240 χ^2/NDF: 6859.8/45

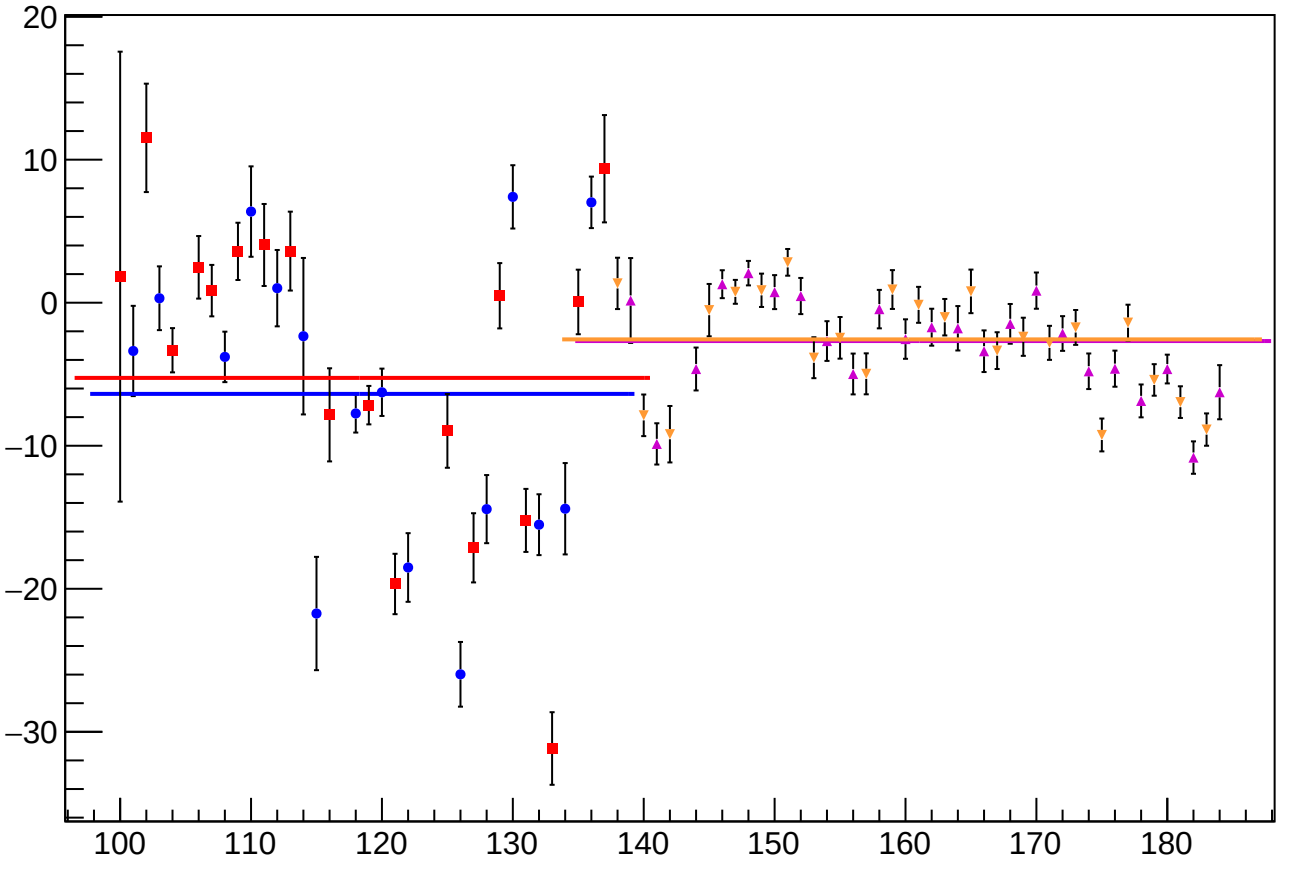
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 1.459+/-0.289 χ^2/NDF:12809.5/38

Out: 1.145+/-0.283 χ^2/NDF:12271.0/40

All: 1.299+/-0.202 χ^2/NDF: 25081.1/79

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: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.622+/-0.186 χ^2/NDF: 379.8/45

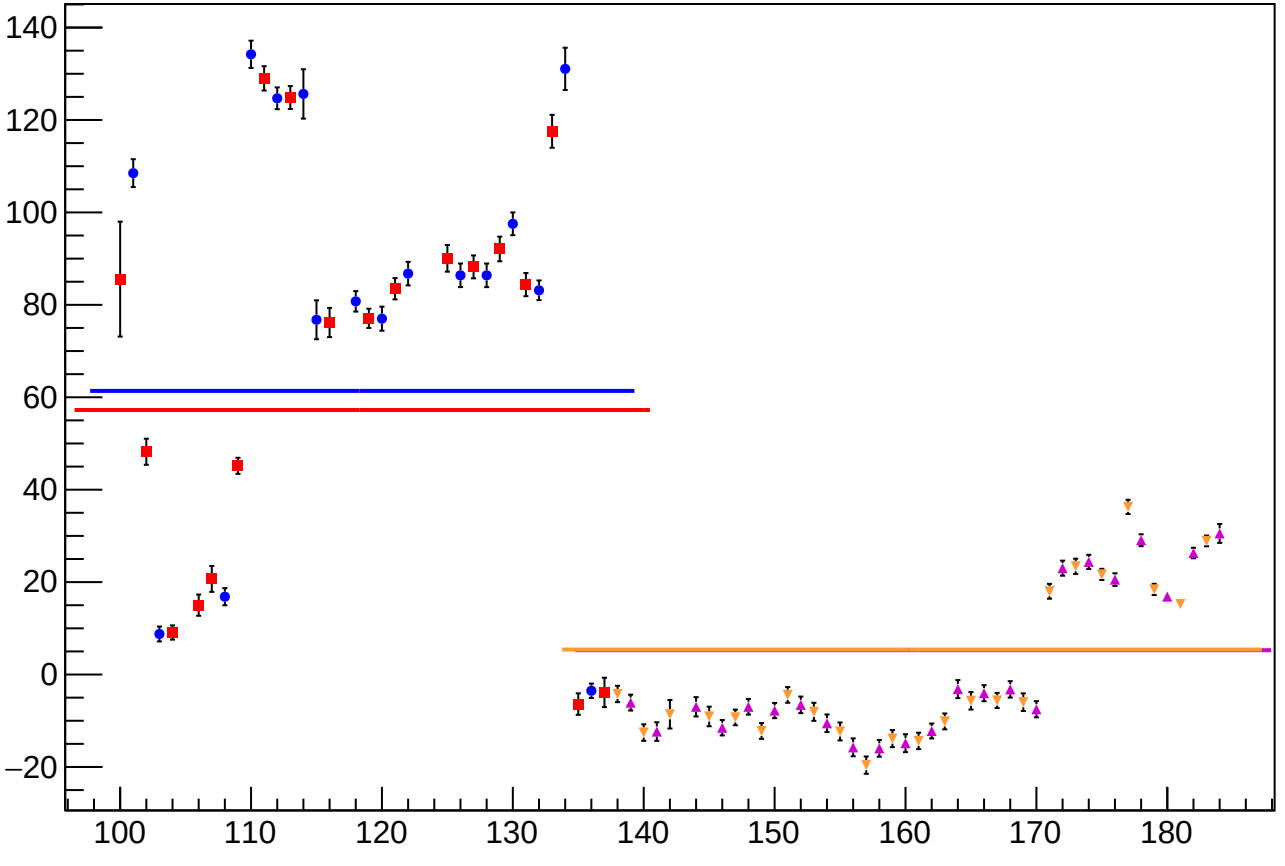
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -3.369+/-0.239 χ^2/NDF:501.9/38

Out: -3.086+/-0.234 χ^2/NDF:531.2/40

All: -3.224+/-0.167 χ^2/NDF: 1033.8/79

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: 5.269+/-0.337 χ^2/NDF:2451.2/22

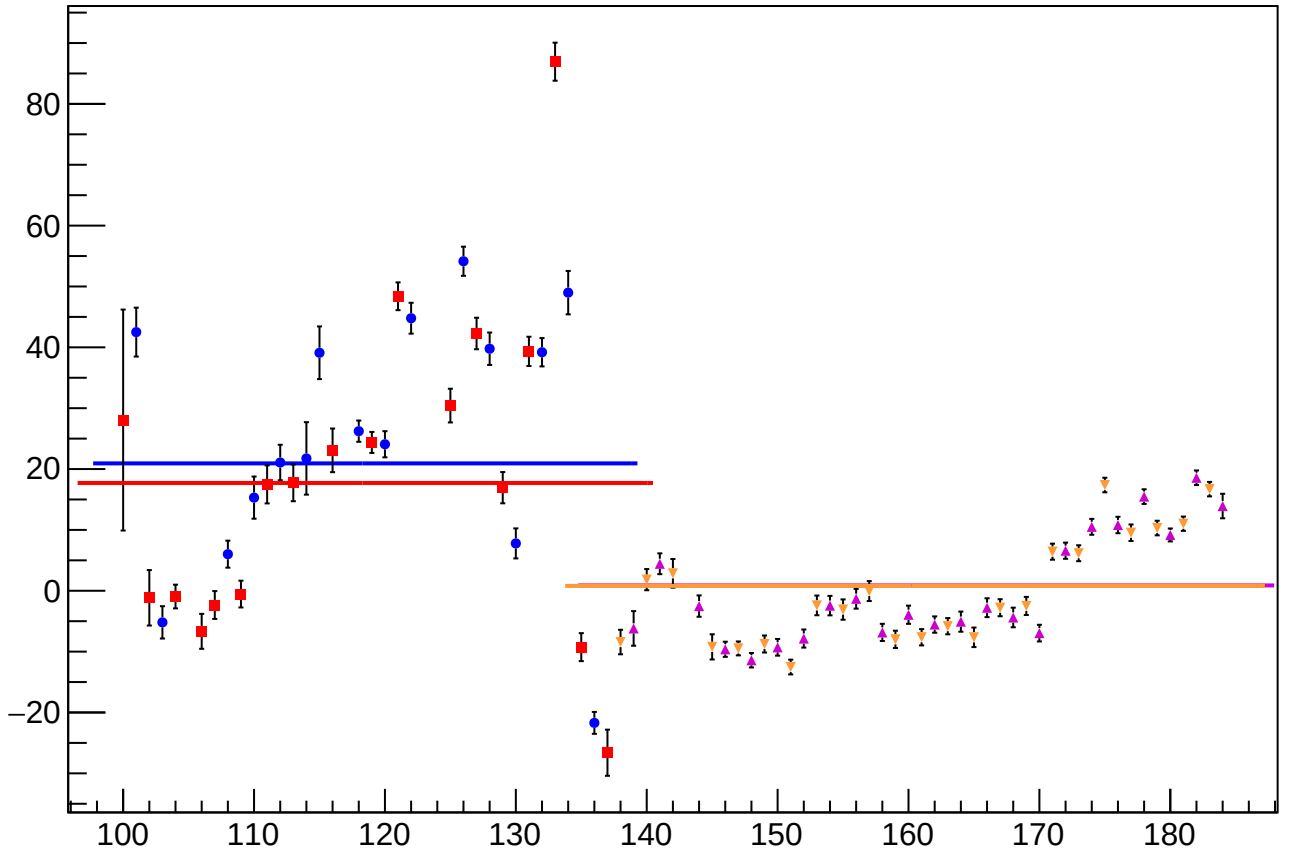
Left: 5.337+/-0.238 χ^2/NDF: 4976.2/45

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 18.892+/-0.293 χ^2/NDF:15267.0/38

Out: 18.407+/-0.291 χ^2/NDF:13772.0/40

All: 18.648+/-0.206 χ^2/NDF: 29040.3/79



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: 0.878+/-0.297 χ^2/NDF:1006.0/22

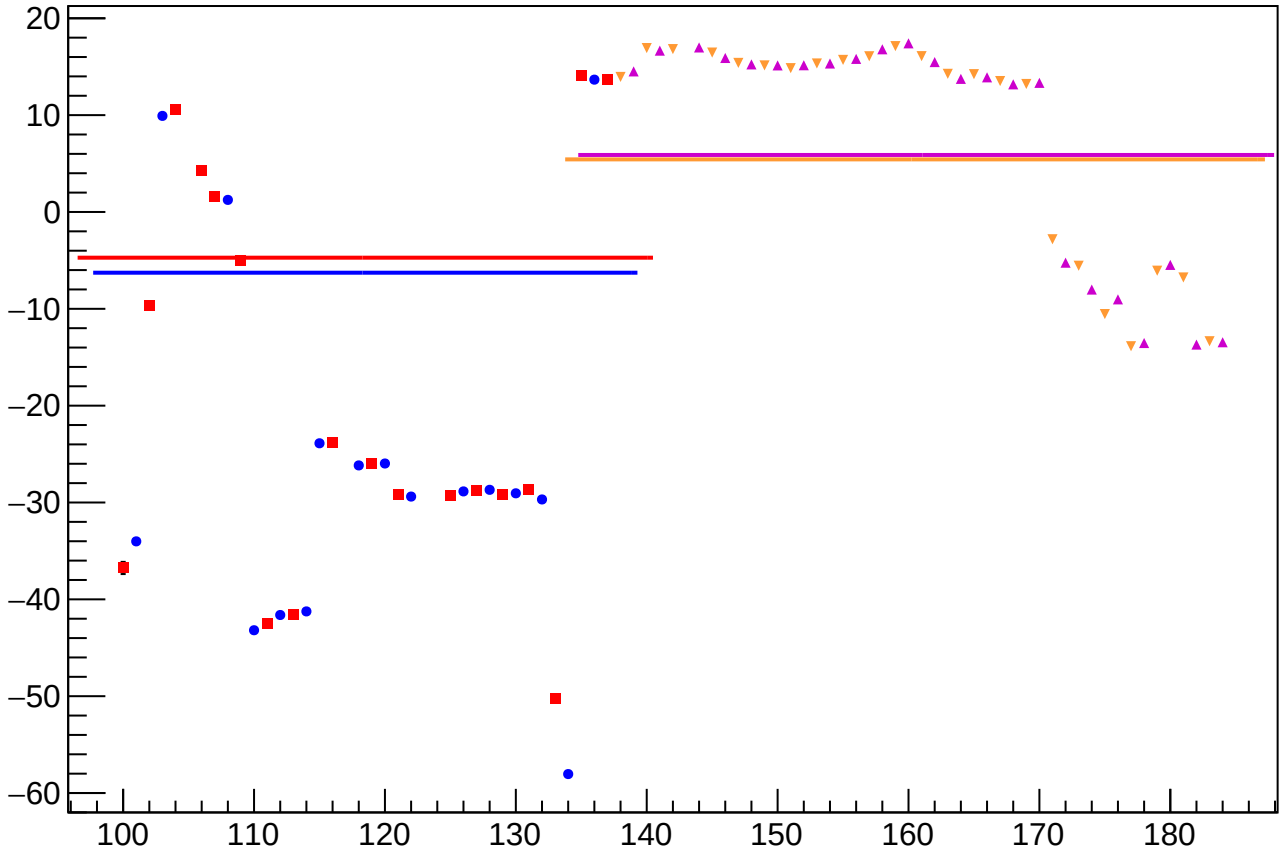
Left: 0.838+/-0.209 χ^2/NDF: 2036.3/45

Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 4.435+/-0.270 χ^2/NDF:3058.7/38

Out: 3.925+/-0.266 χ^2/NDF:3122.4/40

All: 4.176+/-0.189 χ^2/NDF: 6182.9/79



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: 5.886+/-0.013 χ^2/NDF:846355.0/22

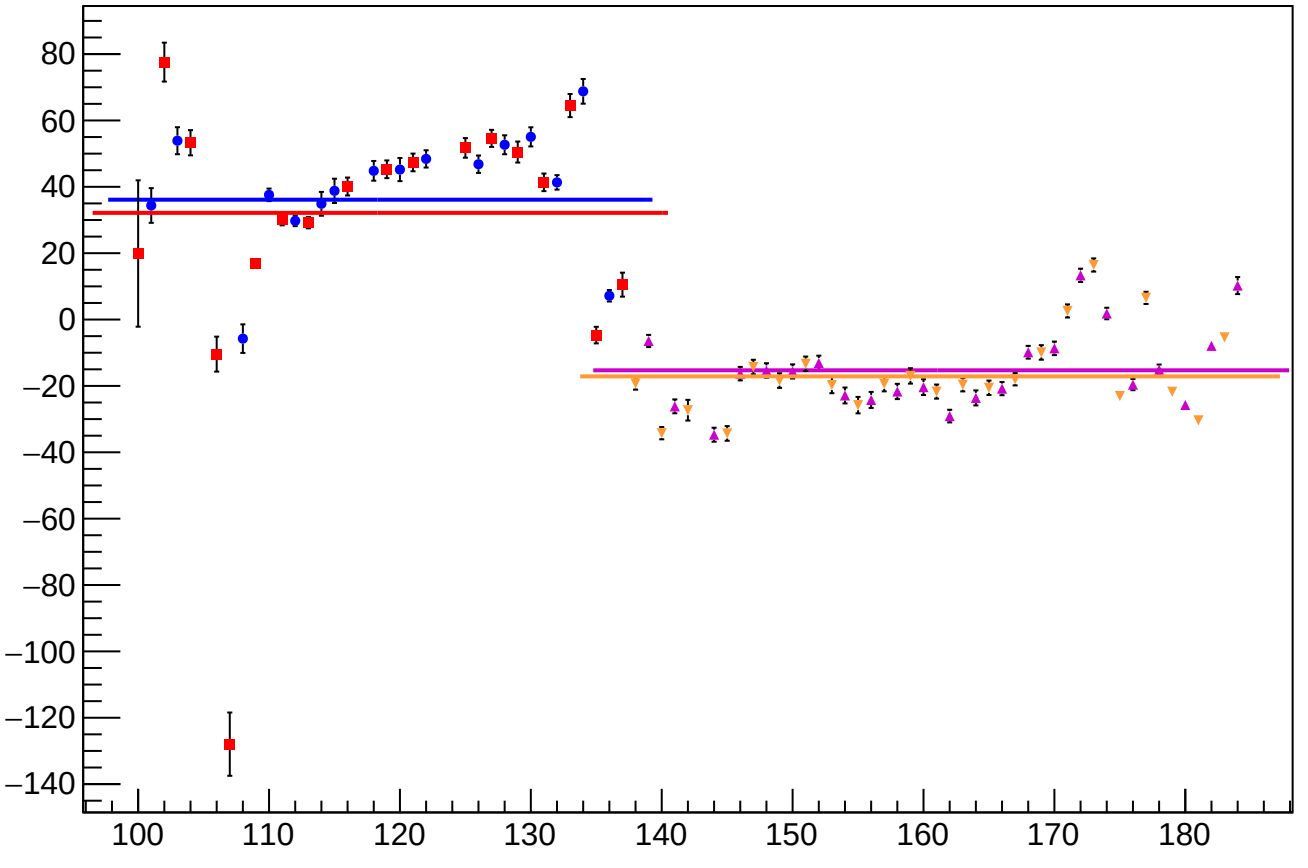
Left: 5.660+/-0.009 χ^2/NDF: 1663797.8/45

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 4.257+/-0.012 χ^2/NDF:1371434.9/38

Out: 4.078+/-0.012 χ^2/NDF:1202198.5/40

All: 4.168+/-0.009 χ^2/NDF: 2573739.4/79



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: -15.295+/-0.403 χ^2/NDF:760.9/22

Left: -16.216+/-0.284 χ^2/NDF: 1720.9/45

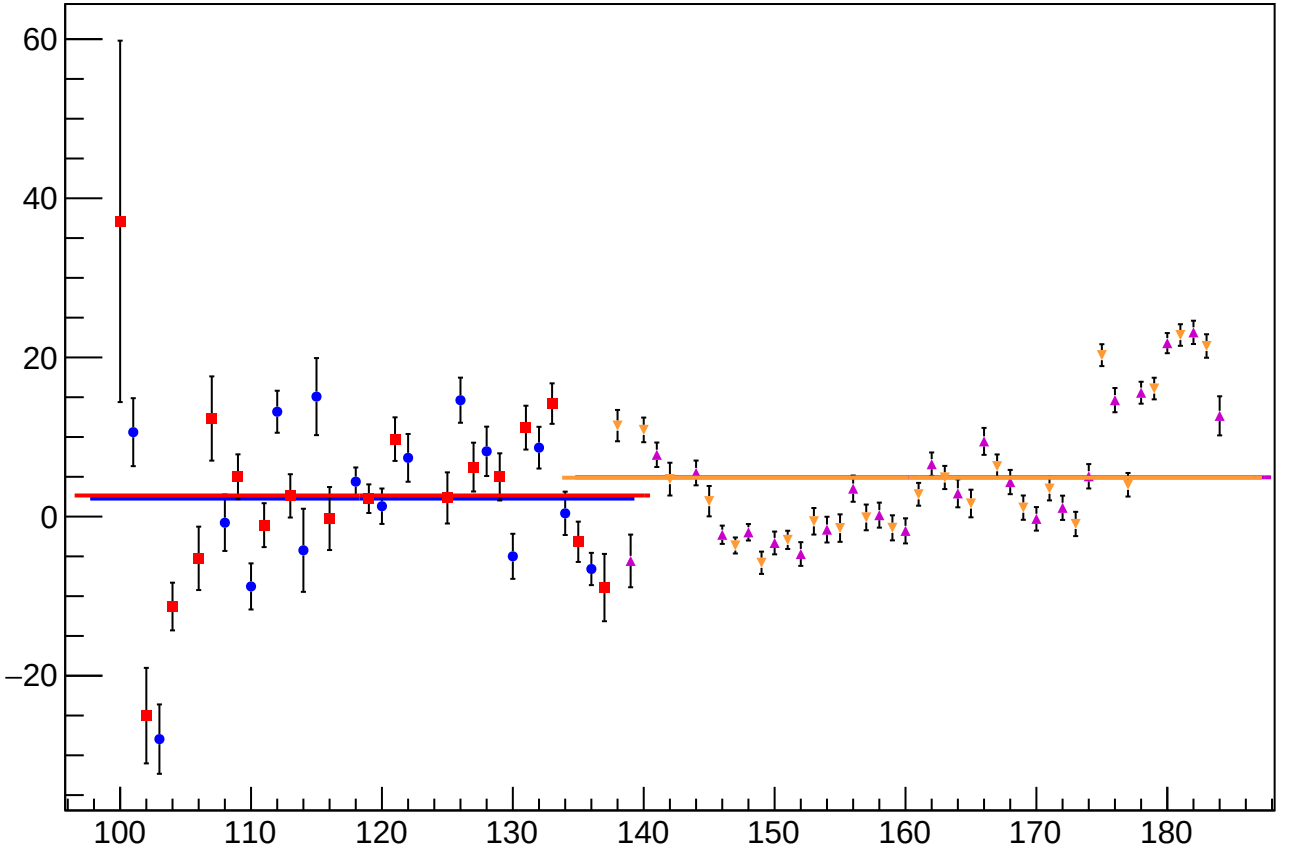
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: -1.211+/-0.344 χ^2/NDF:5837.7/38

Out: -2.944+/-0.338 χ^2/NDF:6412.8/40

All: -2.091+/-0.241 χ^2/NDF: 12263.4/79

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 4.885+/-0.308 χ^2/NDF:776.7/22

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

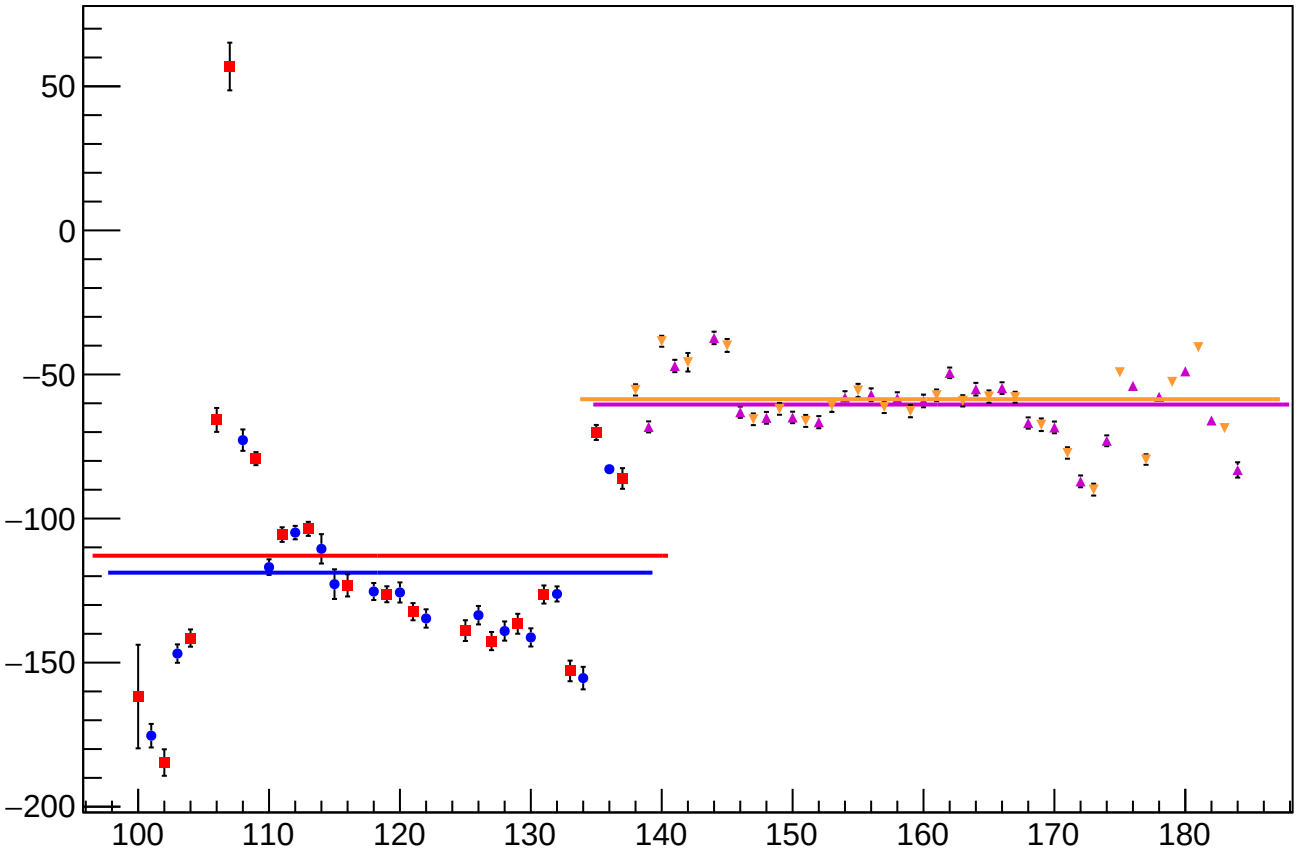
Left: 4.909+/-0.220 χ^2/NDF: 1465.1/45

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 4.492+/-0.286 χ^2/NDF:852.5/38

Out: 4.535+/-0.283 χ^2/NDF:892.2/40

All: 4.513+/-0.201 χ^2/NDF: 1744.6/79



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: -60.435+/-0.400 χ^2/NDF:668.3/22

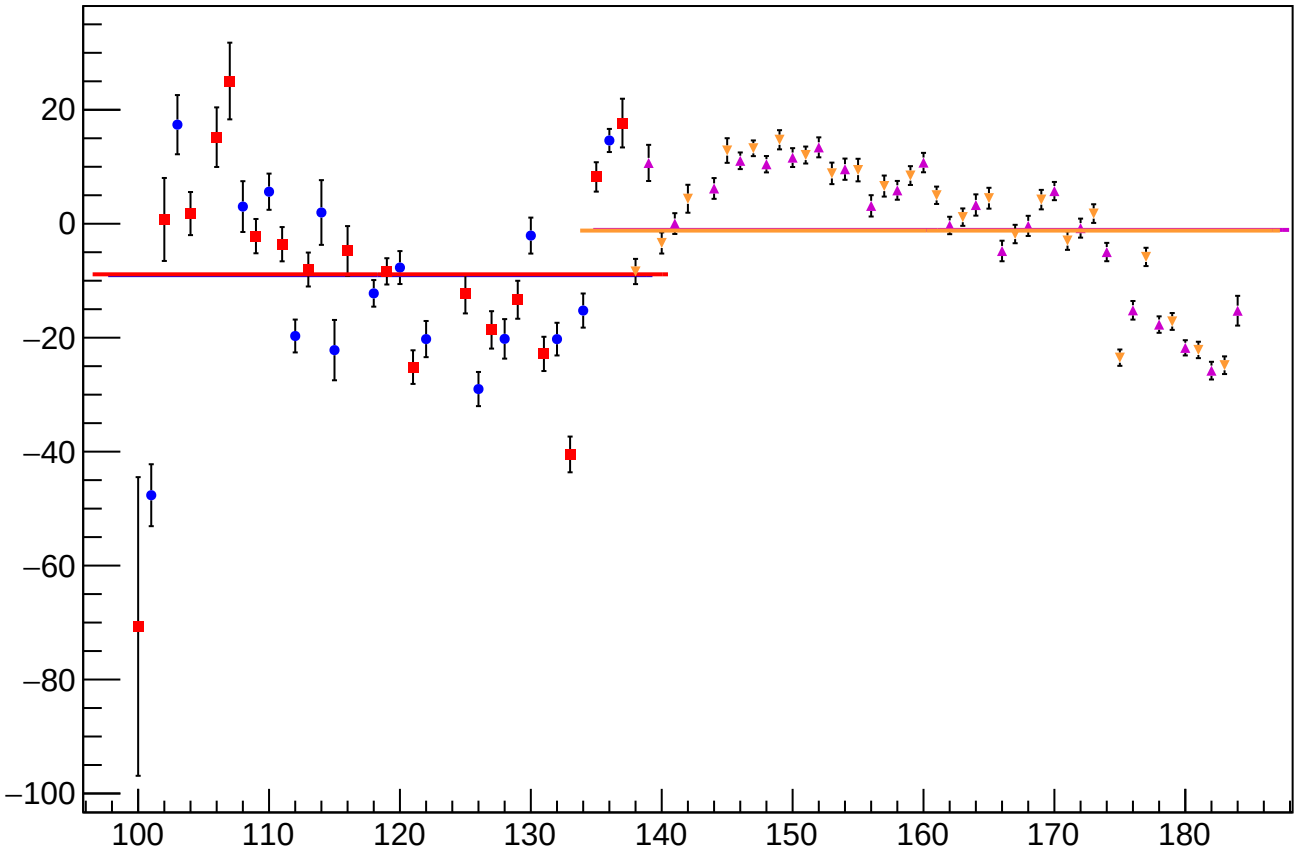
Left: -59.507+/-0.282 χ^2/NDF: 1679.2/45

Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -73.149+/-0.353 χ^2/NDF:6435.4/38

Out: -70.236+/-0.352 χ^2/NDF:6864.7/40

All: -71.689+/-0.250 χ^2/NDF: 13334.2/79



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: -1.082+/-0.352 χ^2/NDF:1157.4/22

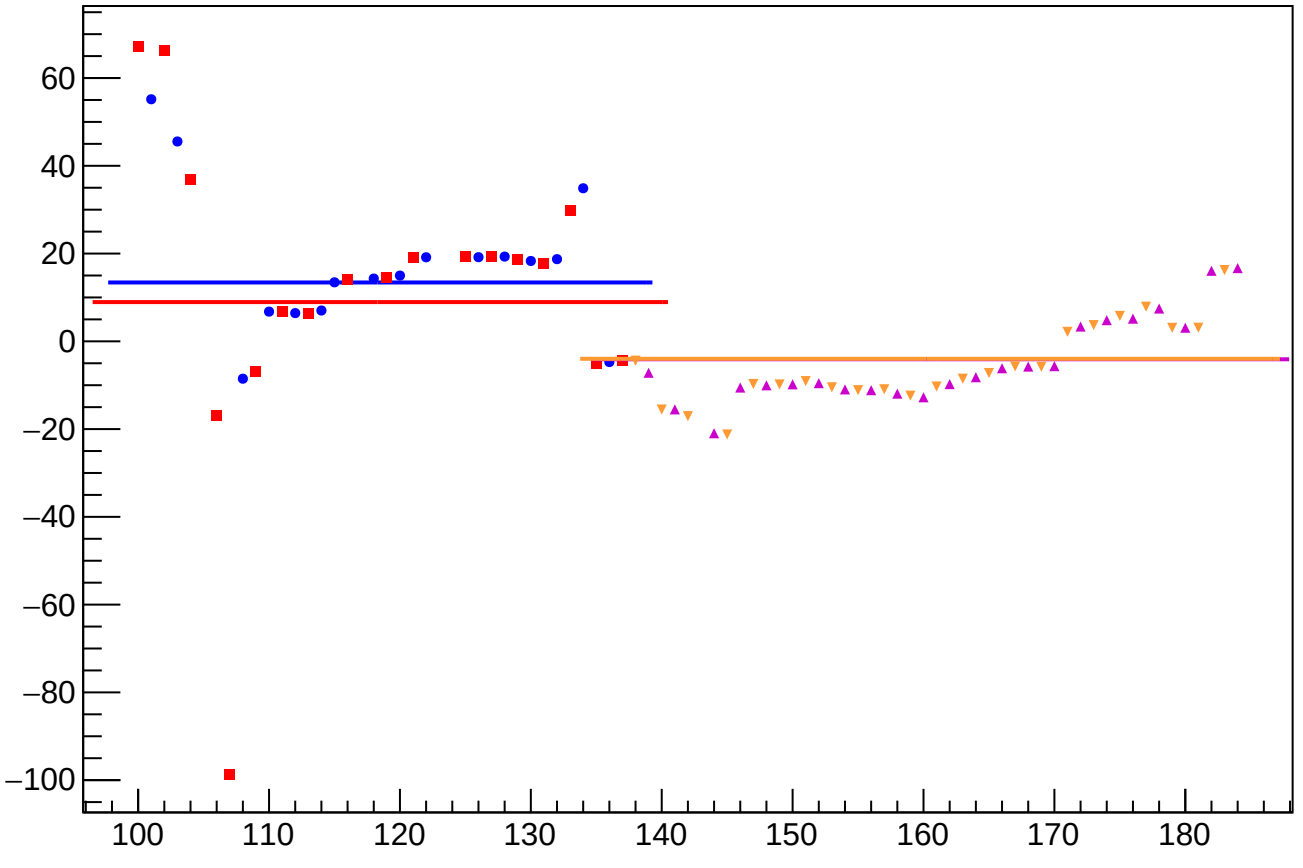
Left: -1.142+/-0.247 χ^2/NDF: 2458.5/45

Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: -2.380+/-0.322 χ^2/NDF:1598.7/38

Out: -2.396+/-0.320 χ^2/NDF:1695.5/40

All: -2.388+/-0.227 χ^2/NDF: 3294.2/79



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: -4.091+/-0.016 χ^2/NDF:333287.4/22

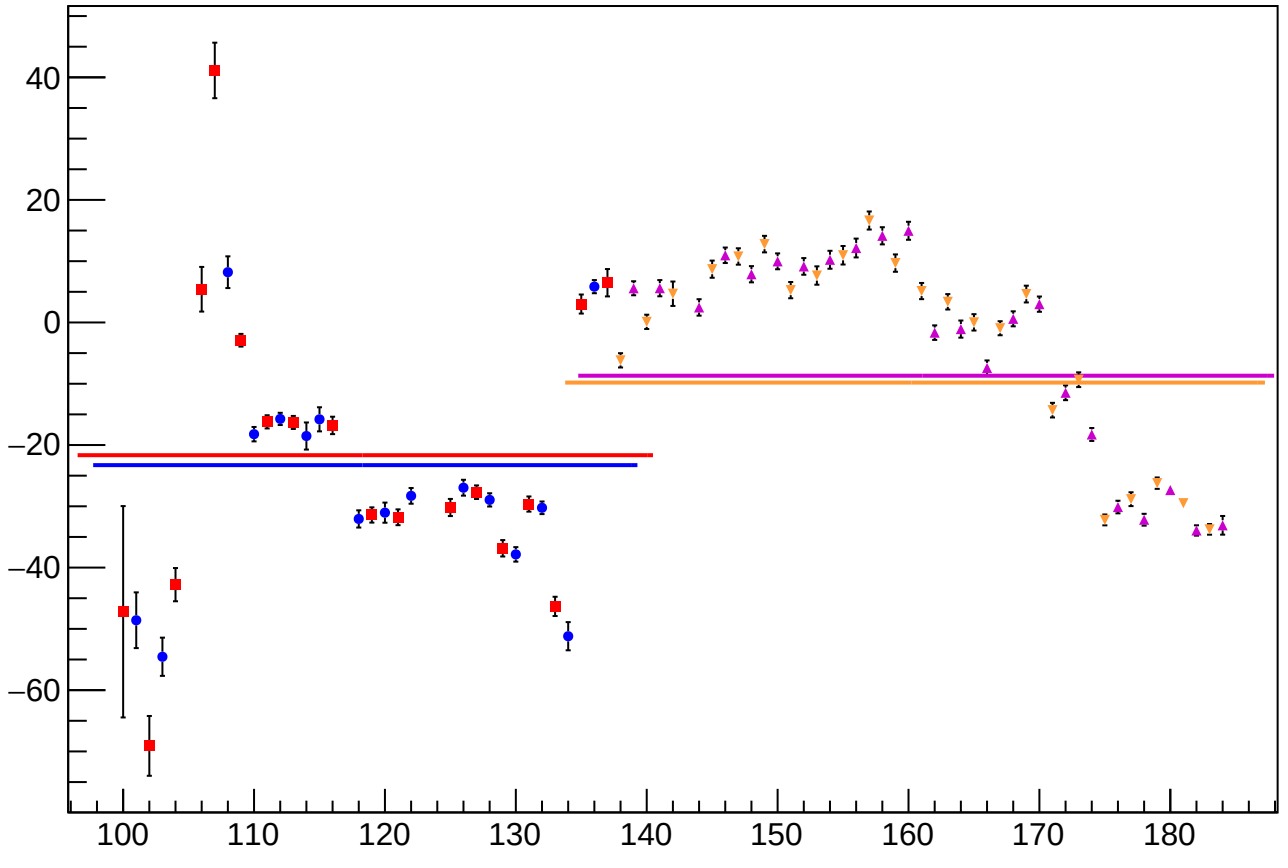
Left: -4.037+/-0.011 χ^2/NDF: 651862.8/45

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -2.249+/-0.015 χ^2/NDF:650676.8/38

Out: -2.721+/-0.015 χ^2/NDF:676780.5/40

All: -2.483+/-0.010 χ^2/NDF: 1327969.2/79



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: -8.689+/-0.248 χ^2/NDF:5021.6/22

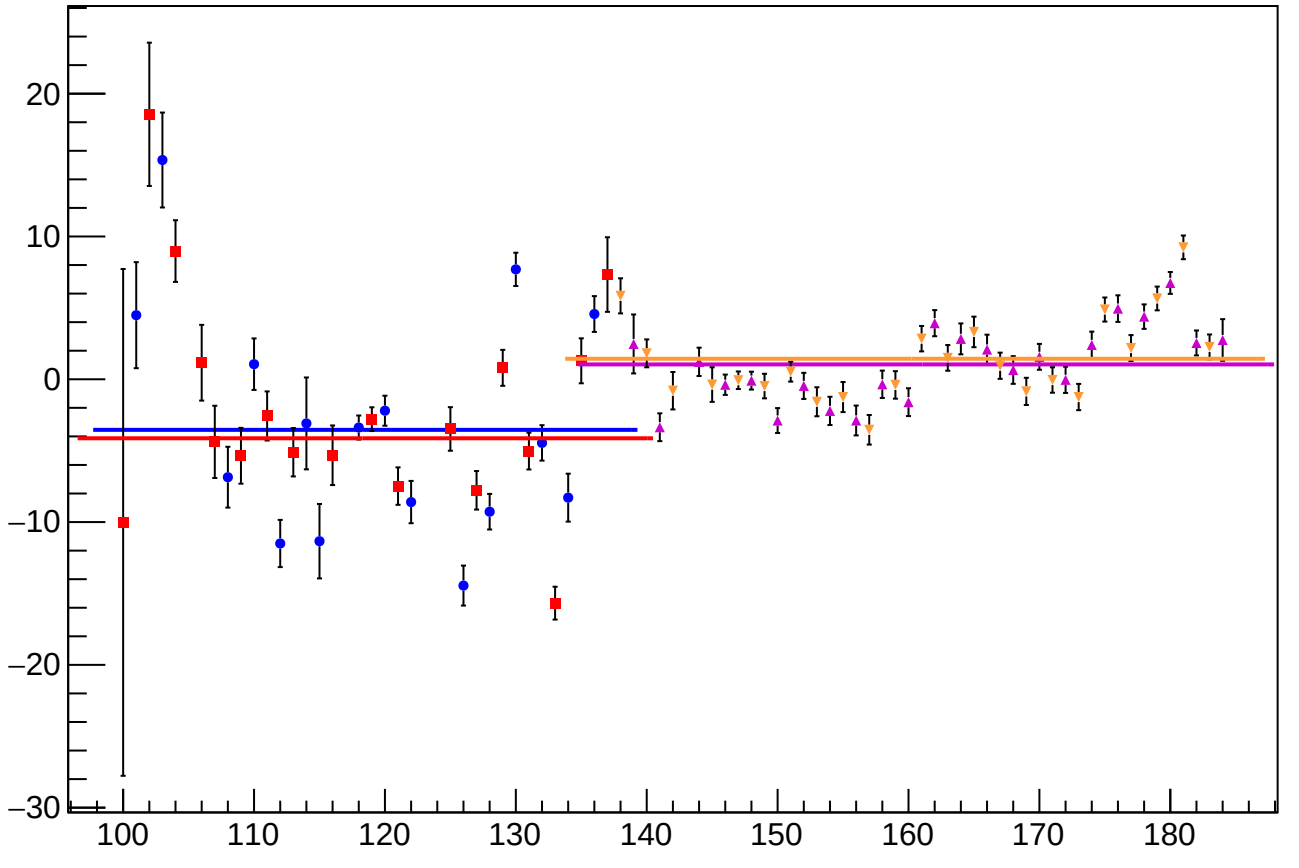
Left: -9.252+/-0.175 χ^2/NDF: 9967.4/45

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -13.550+/-0.202 χ^2/NDF:7746.0/38

Out: -13.775+/-0.201 χ^2/NDF:7523.6/40

All: -13.664+/-0.143 χ^2/NDF: 15270.2/79



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: 1.041+/-0.192 χ^2/NDF:196.1/22

Left: 1.242+/-0.135 χ^2/NDF: 426.2/45

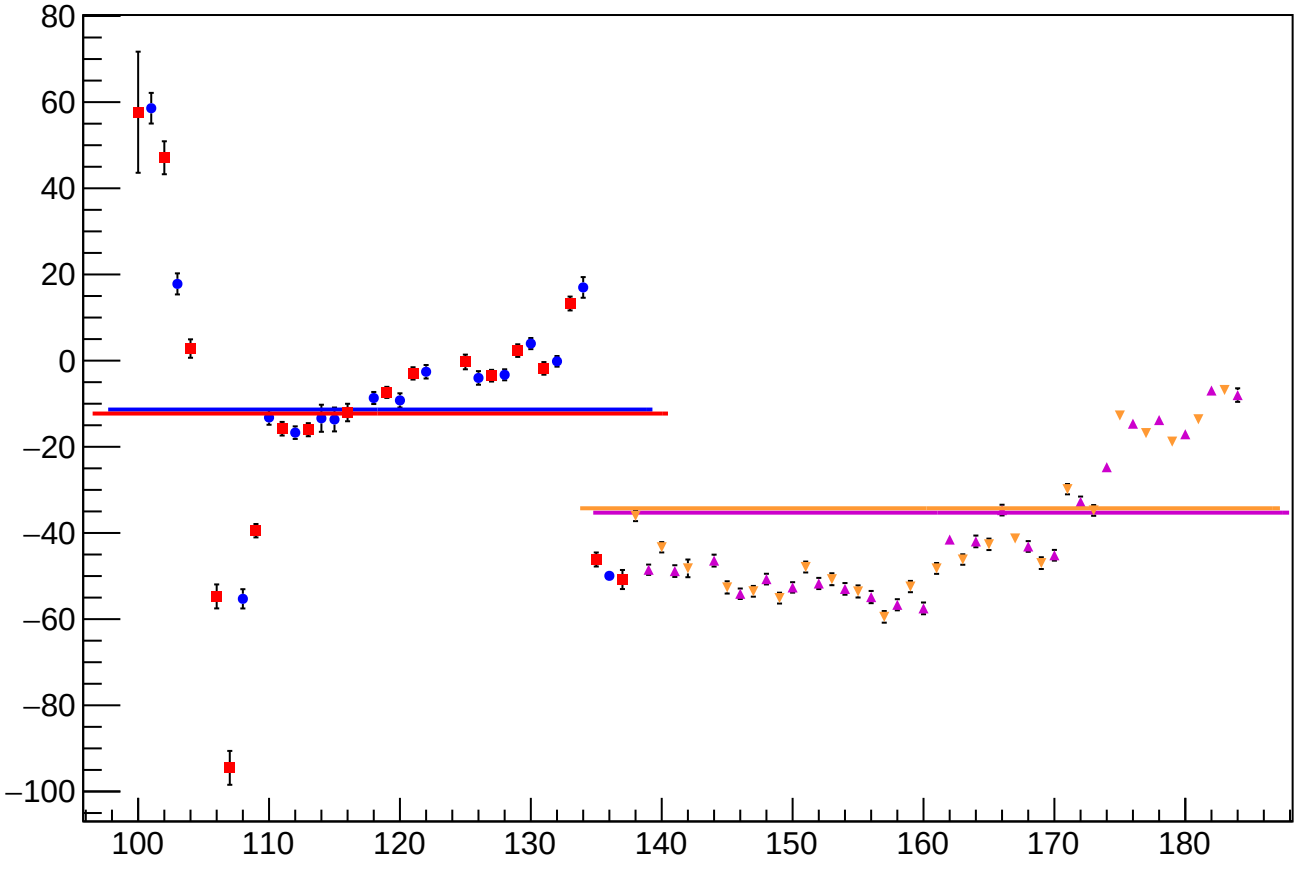
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: 0.034+/-0.170 χ^2/NDF:637.4/38

Out: 0.283+/-0.169 χ^2/NDF:634.4/40

All: 0.159+/-0.120 χ^2/NDF: 1272.9/79

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -34.268+/-0.244 χ^2/NDF:4905.3/22

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

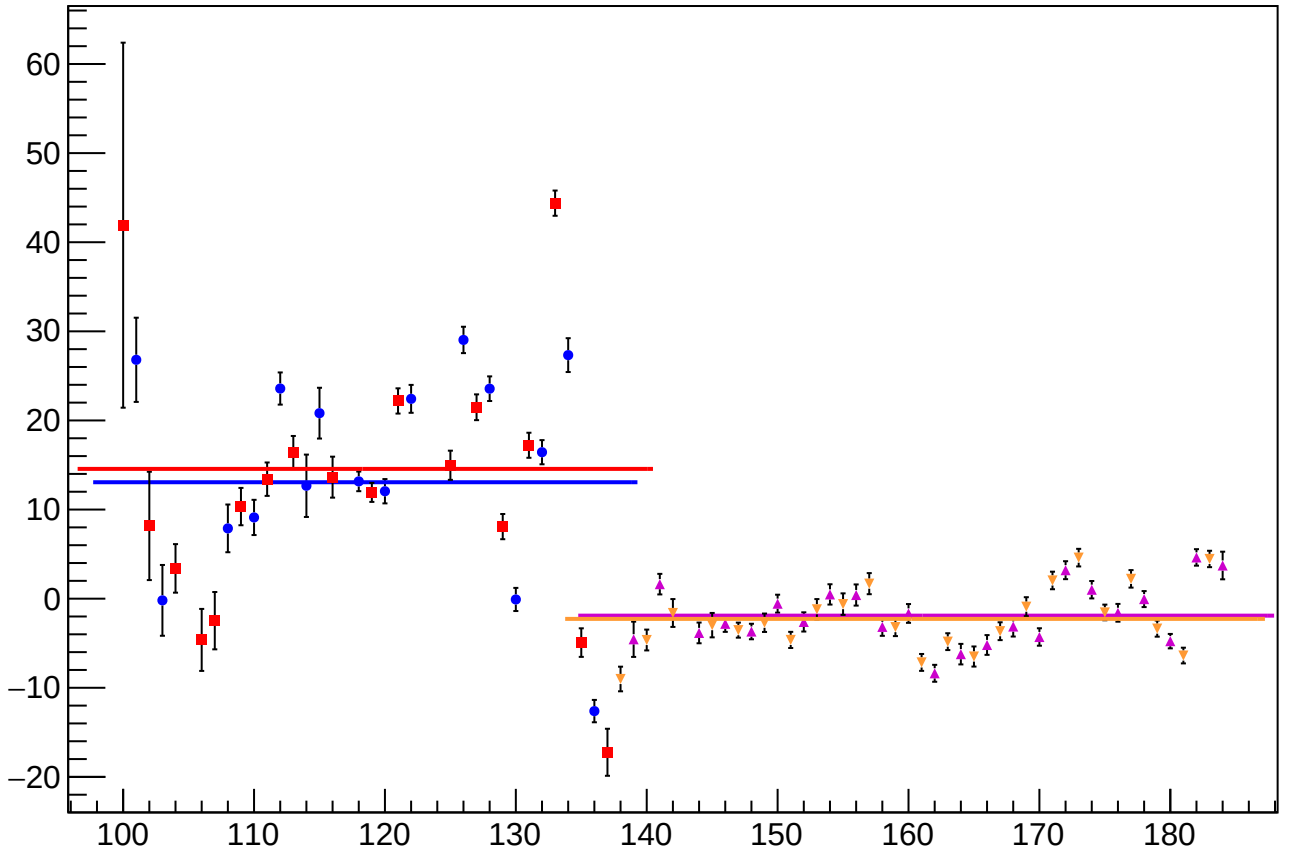
Left: -34.774+/-0.173 χ^2/NDF: 9911.9/45

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -28.873+/-0.210 χ^2/NDF:10206.9/38

Out: -28.570+/-0.210 χ^2/NDF:9593.9/40

All: -28.722+/-0.149 χ^2/NDF: 19801.8/79



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -2.268+/-0.214 χ^2/NDF:269.5/22

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

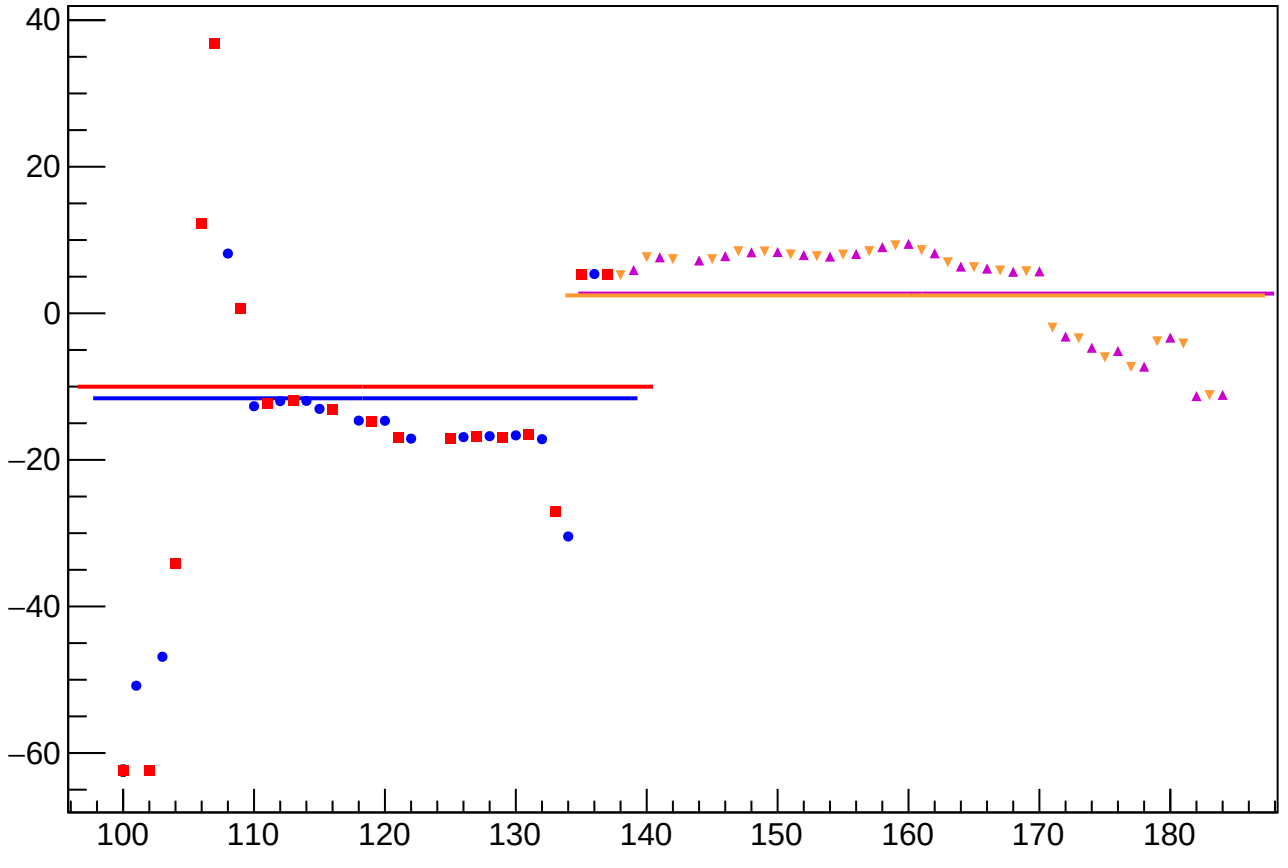
Left: -2.089+/-0.152 χ^2/NDF: 493.1/45

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 1.294+/-0.192 χ^2/NDF:2110.2/38

Out: 1.164+/-0.191 χ^2/NDF:2436.1/40

All: 1.228+/-0.135 χ^2/NDF: 4546.5/79



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: 2.694+/-0.010 χ^2/NDF:498824.3/22

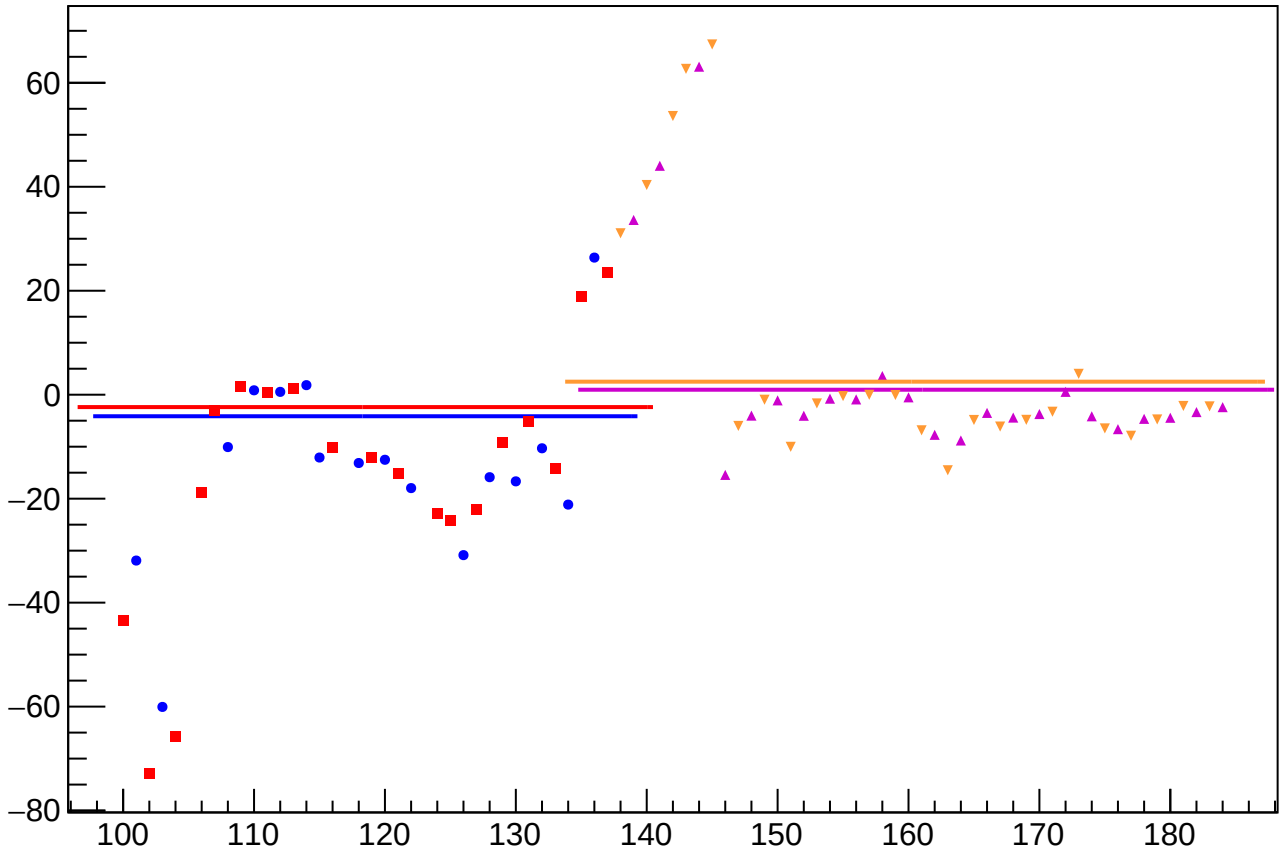
Left: 2.570+/-0.007 χ^2/NDF: 973781.4/45

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 1.030+/-0.009 χ^2/NDF:1119990.4/38

Out: 1.090+/-0.009 χ^2/NDF:1054491.0/40

All: 1.059+/-0.006 χ^2/NDF: 2174503.4/79



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: 0.957+/-0.040 χ^2/NDF:132519.8/22

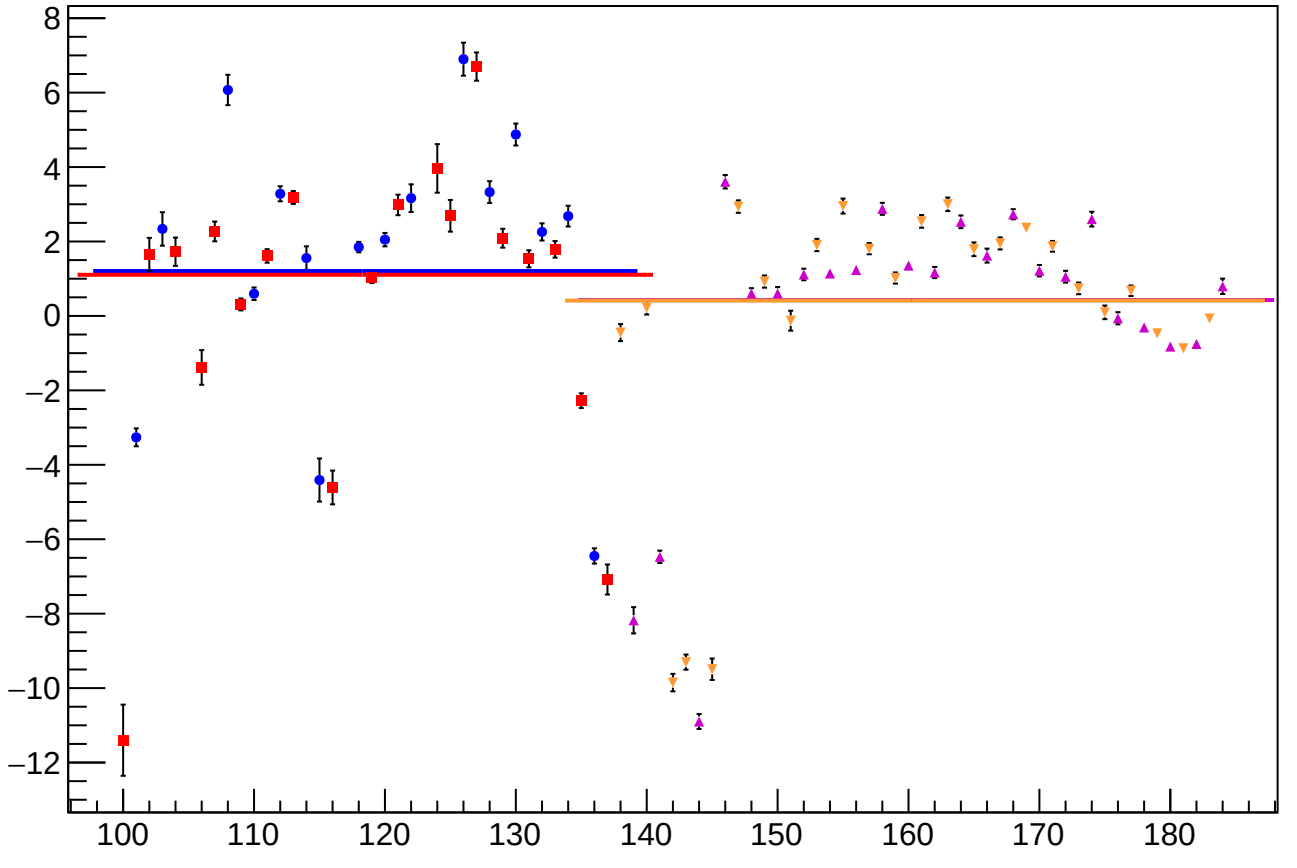
Left: 1.716+/-0.029 χ^2/NDF: 309553.1/46

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: -0.817+/-0.032 χ^2/NDF:213460.7/38

Out: 0.364+/-0.031 χ^2/NDF:263352.0/42

All: -0.195+/-0.022 χ^2/NDF: 477520.4/81



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: 0.427+/-0.031 χ^2/NDF:7102.3/22

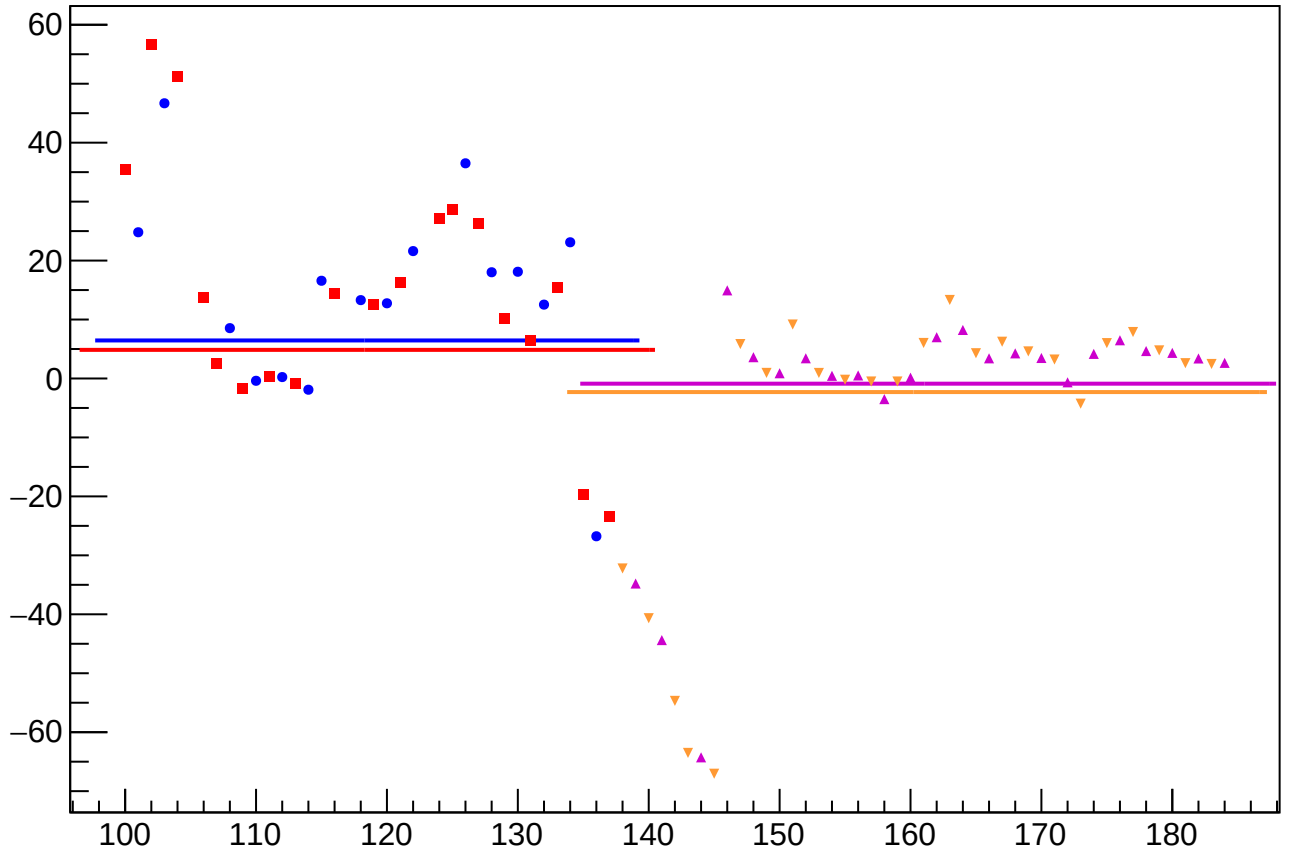
Left: 0.420+/-0.023 χ^2/NDF: 14097.8/46

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.593+/-0.028 χ^2/NDF:9817.5/38

Out: 0.587+/-0.029 χ^2/NDF:8692.6/42

All: 0.590+/-0.020 χ^2/NDF: 18510.1/81



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: -0.881+/-0.039 χ^2/NDF:129197.8/22

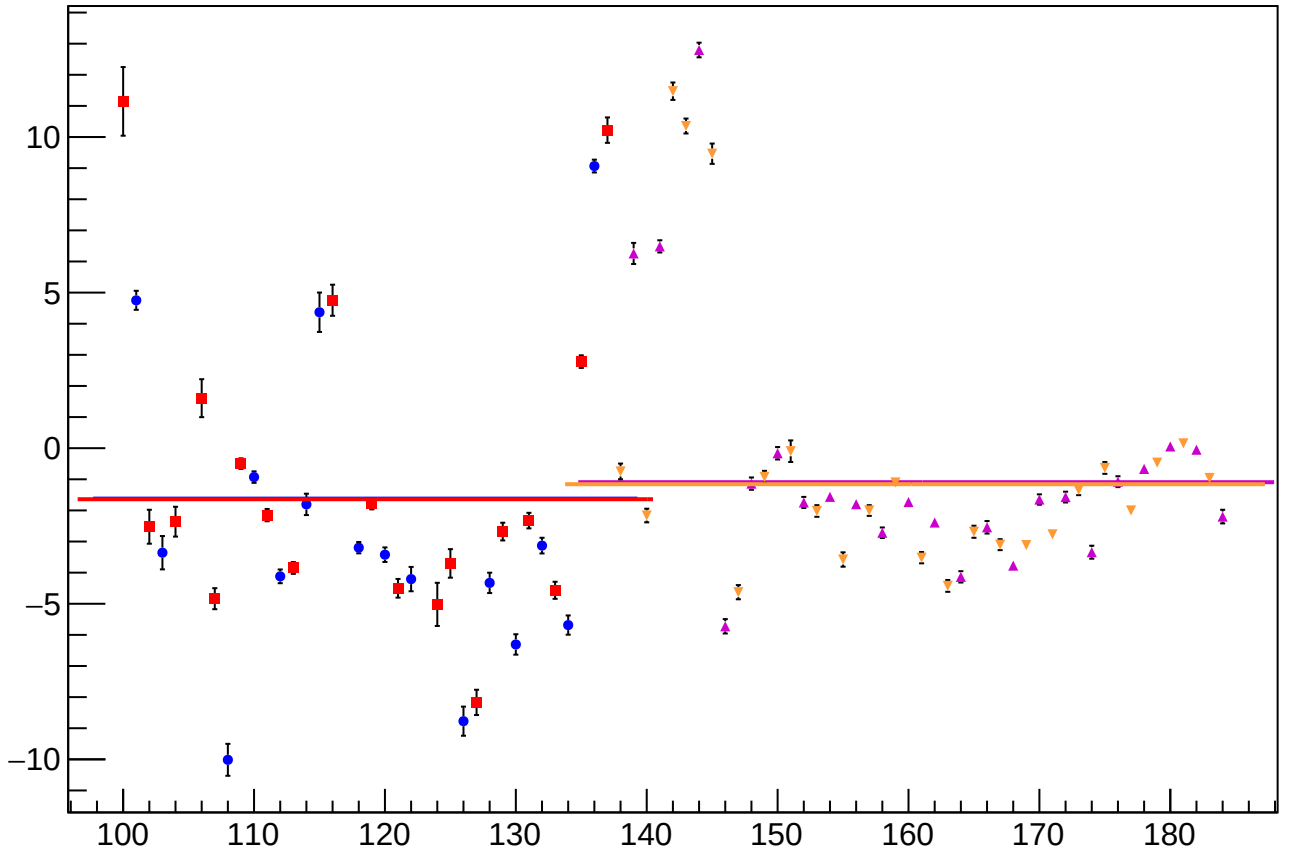
Left: -1.568+/-0.028 χ^2/NDF: 300405.5/46

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: 1.076+/-0.034 χ^2/NDF:209141.7/38

Out: -0.003+/-0.034 χ^2/NDF:255777.4/42

All: 0.534+/-0.024 χ^2/NDF: 465434.5/81



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: -1.094+/-0.035 χ^2/NDF:7029.2/22

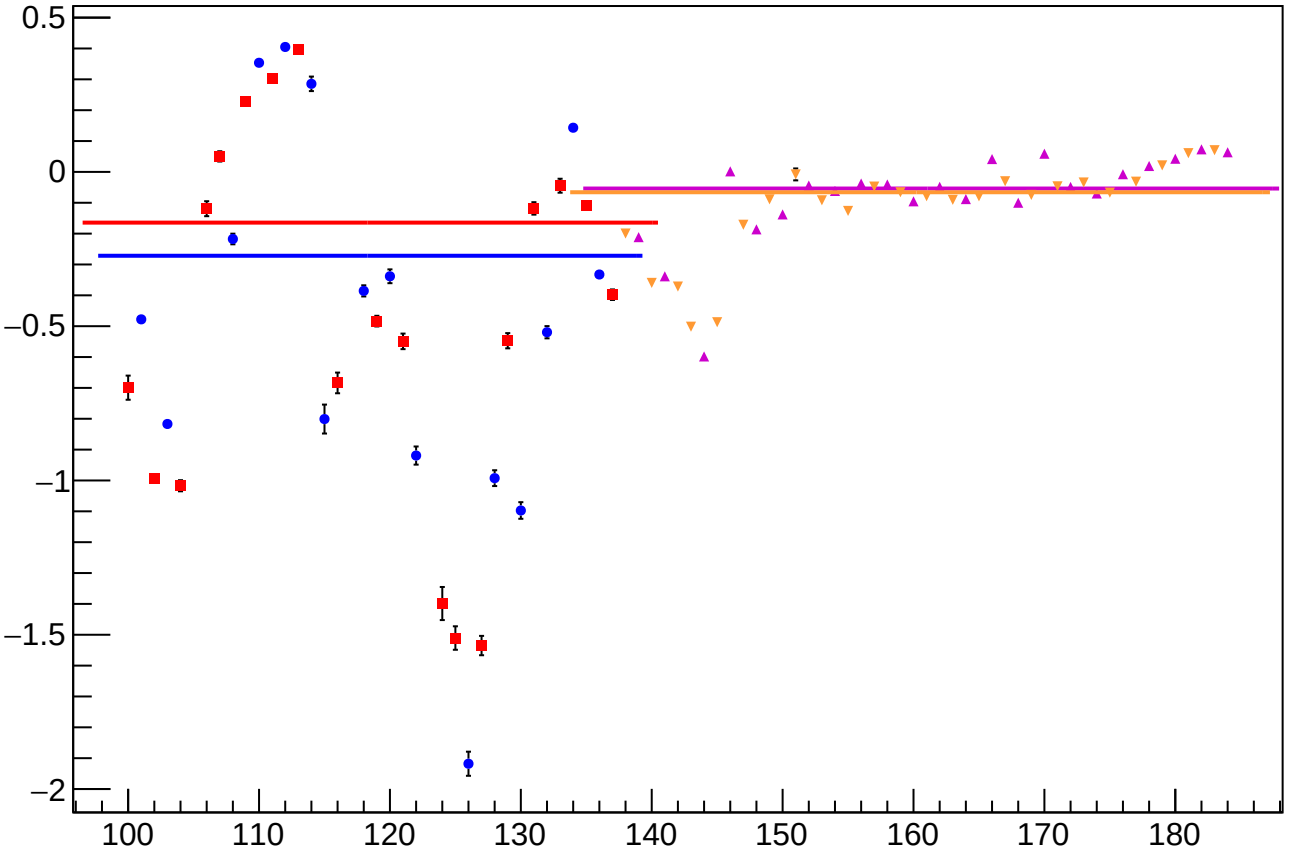
Left: -1.124+/-0.025 χ^2/NDF: 13960.2/46

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.199+/-0.031 χ^2/NDF:11600.5/38

Out: -1.276+/-0.032 χ^2/NDF:9433.8/42

All: -1.236+/-0.022 χ^2/NDF: 21037.2/81



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: -0.054+/-0.001 χ^2/NDF:5029.9/22

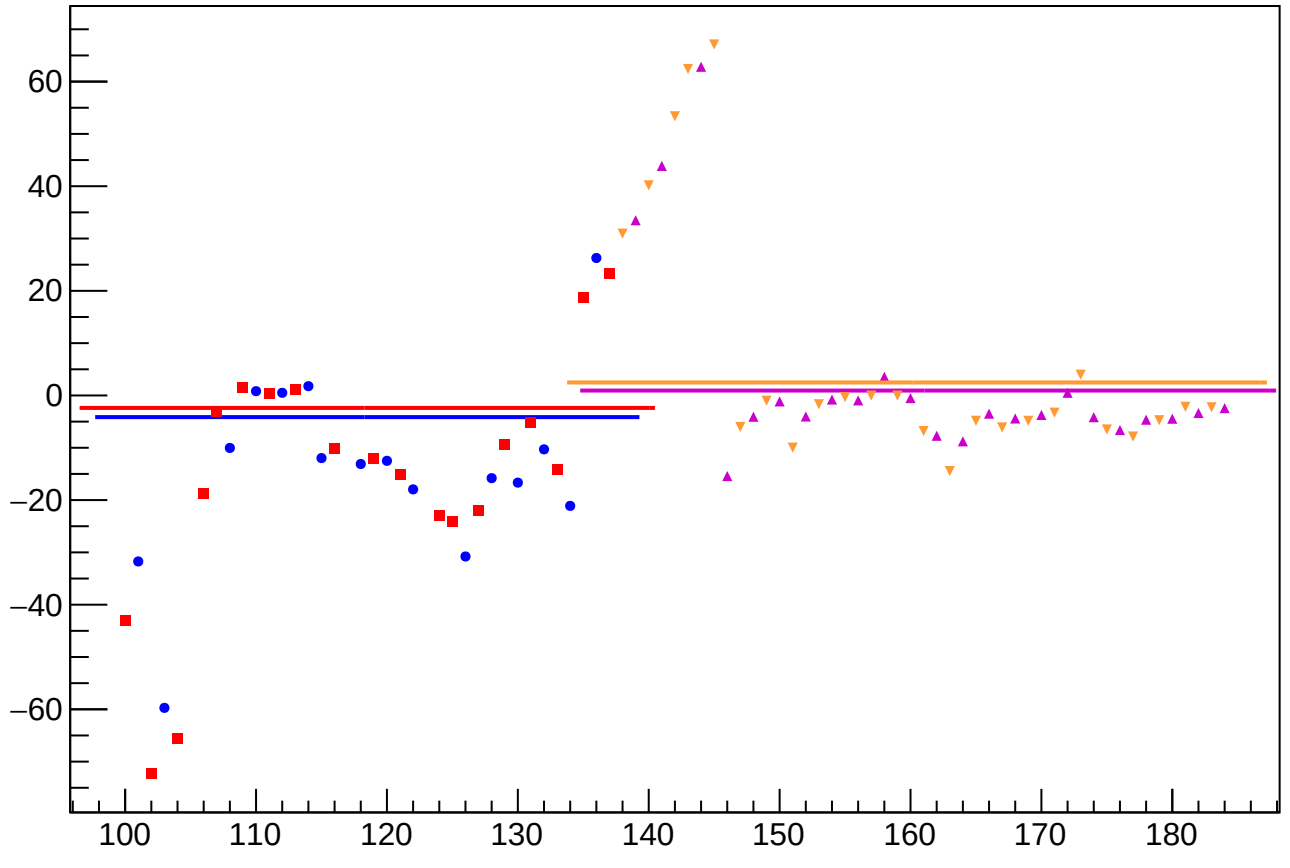
Left: -0.059+/-0.001 χ^2/NDF: 10538.8/46

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.079+/-0.001 χ^2/NDF:19513.1/38

Out: -0.081+/-0.001 χ^2/NDF:21545.1/42

All: -0.080+/-0.001 χ^2/NDF: 41059.2/81



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: 0.935+/-0.040 χ^2/NDF:132405.3/22

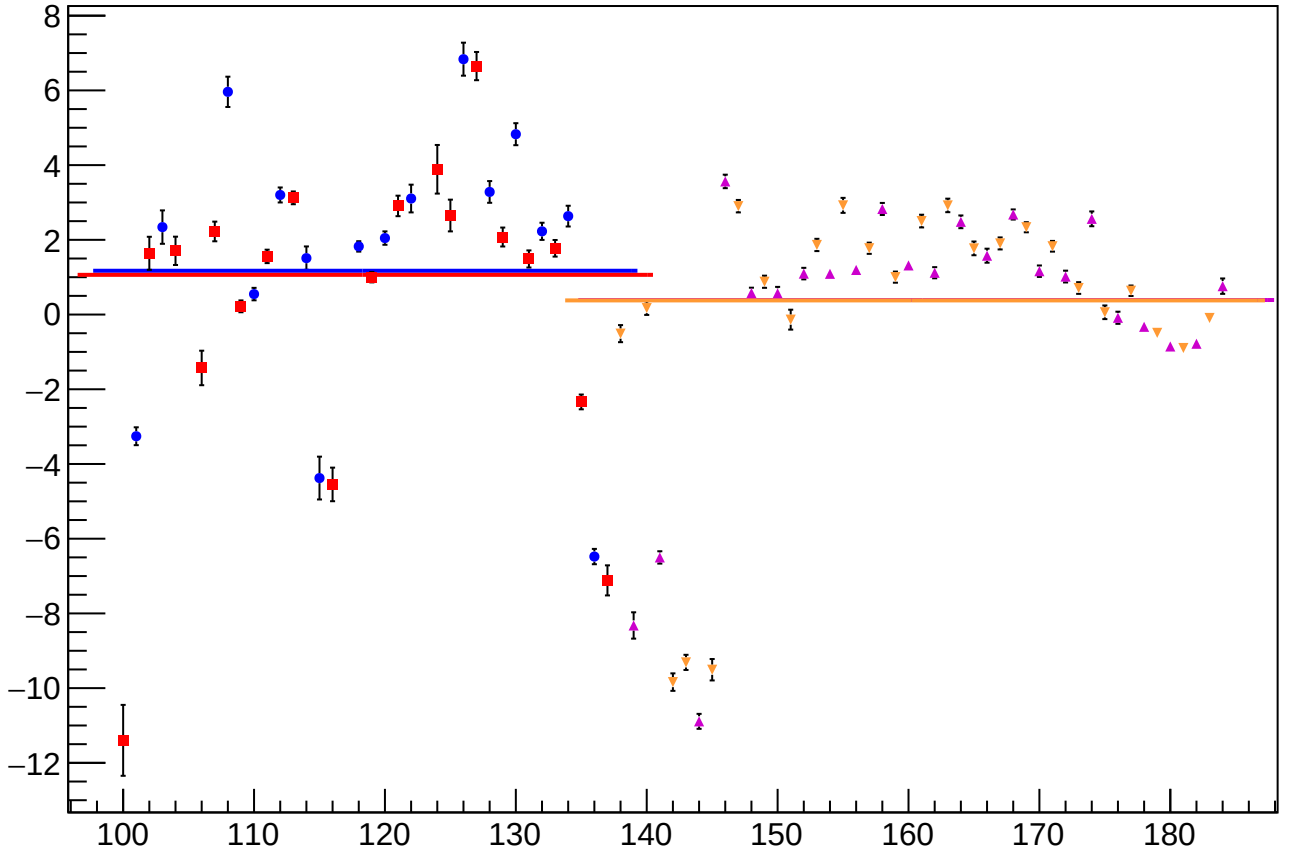
Left: 1.694+/-0.028 χ^2/NDF: 309199.6/46

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: -0.837+/-0.032 χ^2/NDF:213317.6/38

Out: 0.344+/-0.030 χ^2/NDF:263027.3/42

All: -0.214+/-0.022 χ^2/NDF: 477058.6/81



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: 0.389+/-0.031 χ^2/NDF:7114.2/22

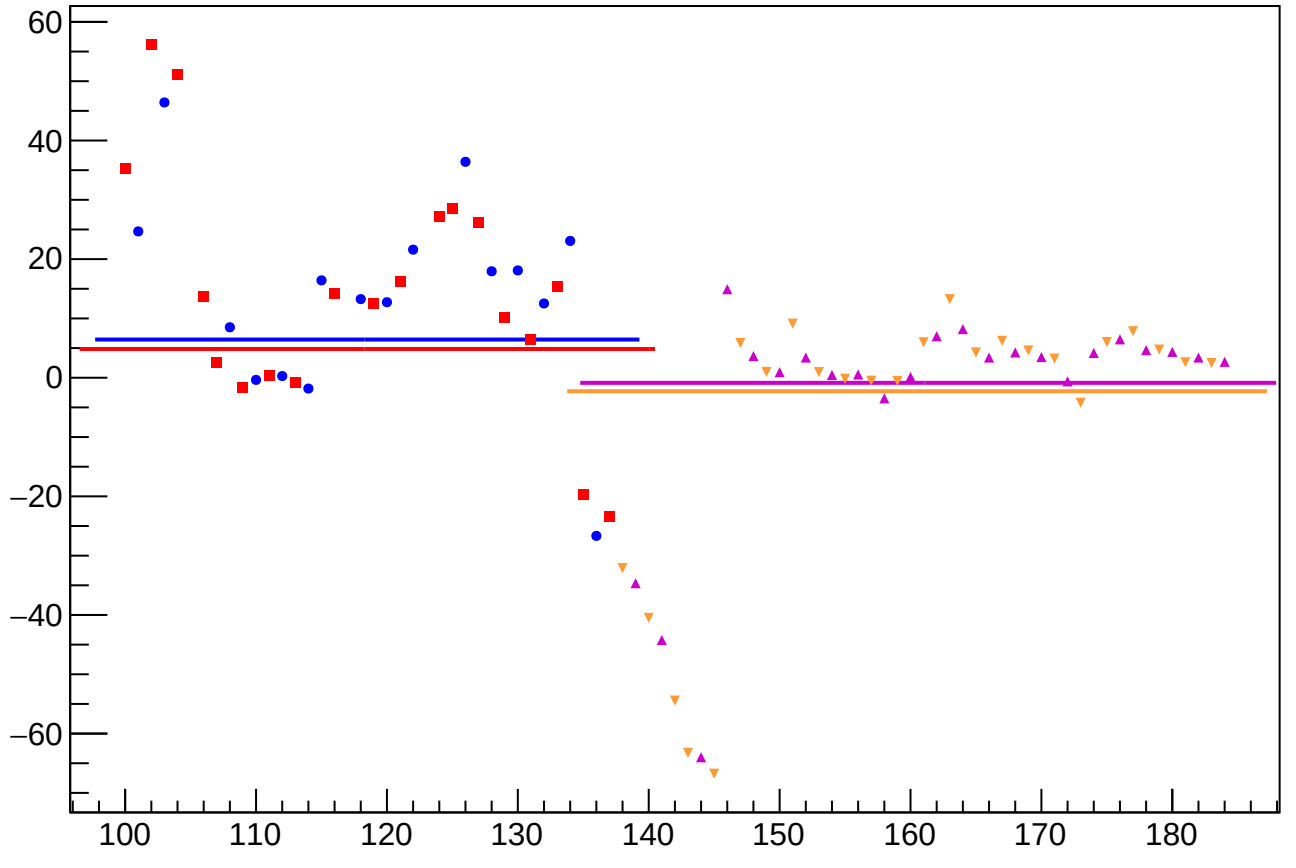
Left: 0.384+/-0.023 χ^2/NDF: 14110.6/46

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.556+/-0.028 χ^2/NDF:9832.2/38

Out: 0.552+/-0.029 χ^2/NDF:8700.8/42

All: 0.554+/-0.020 χ^2/NDF: 18533.0/81



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: -0.859+/-0.039 χ^2/NDF:129084.9/22

Left: -1.545+/-0.028 χ^2/NDF: 300061.8/46

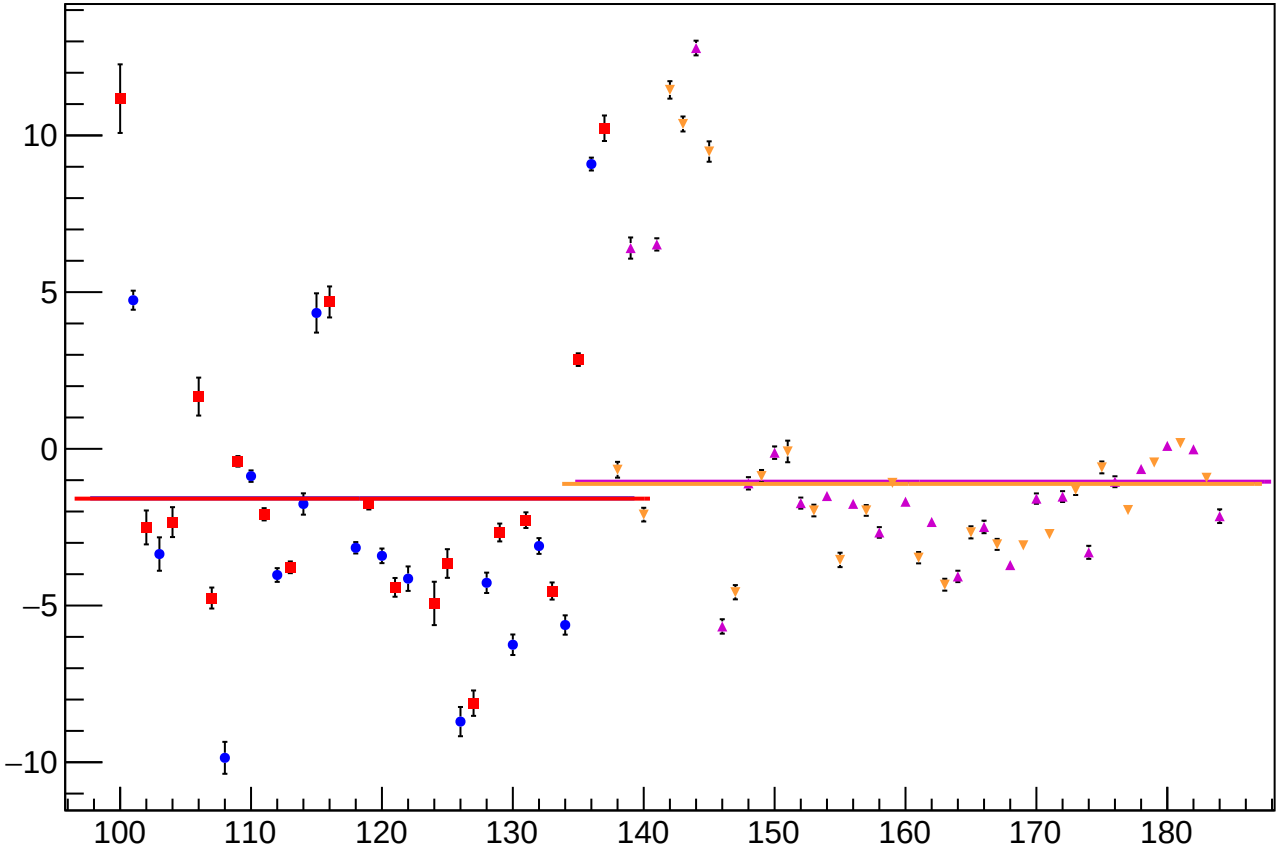
Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: 1.098+/-0.034 χ^2/NDF:208991.2/38

Out: 0.019+/-0.033 χ^2/NDF:255452.6/42

All: 0.556+/-0.024 χ^2/NDF: 464963.0/81

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.118+/-0.037 χ^2/NDF:6925.3/23

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

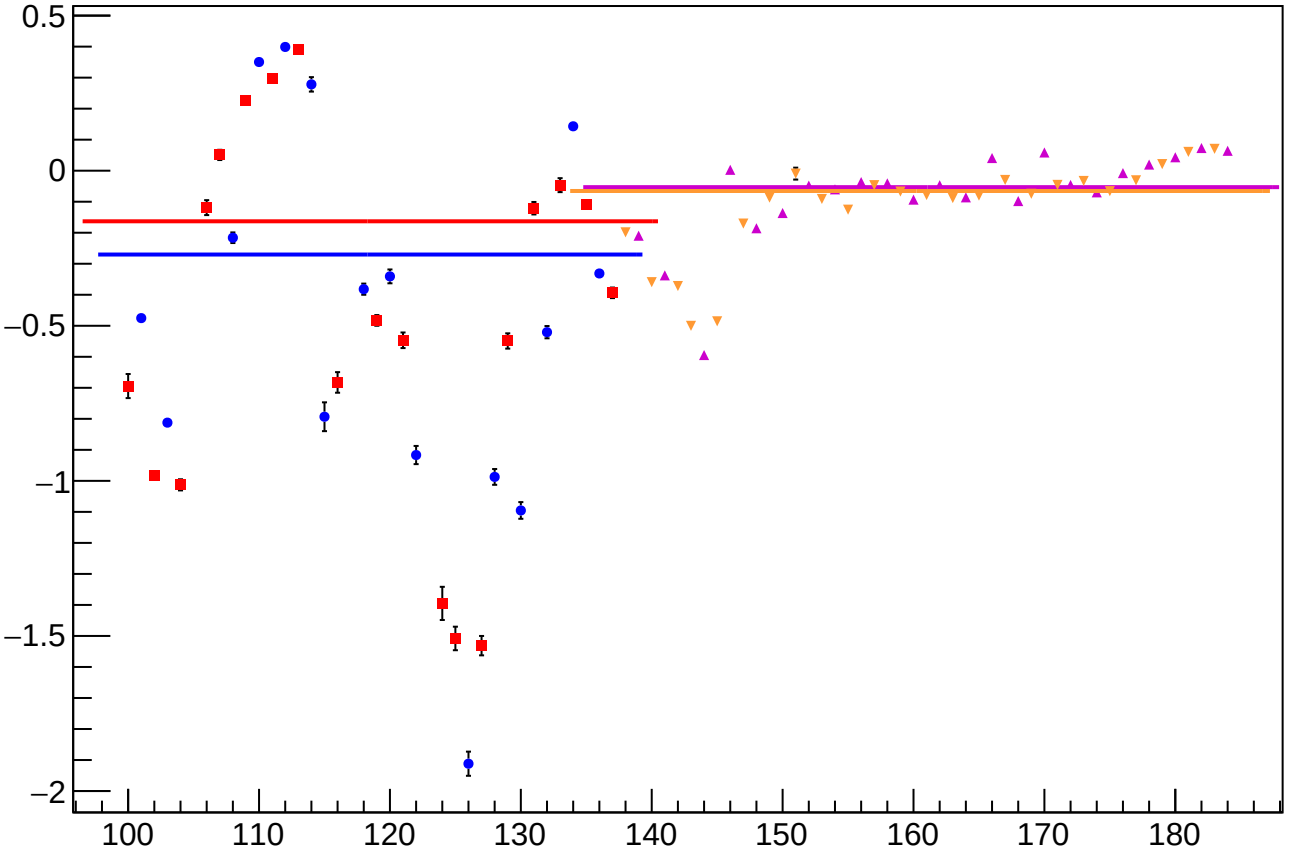
Left: -1.081+/-0.025 χ^2/NDF: 13968.0/46

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.155+/-0.031 χ^2/NDF:11612.1/38

Out: -1.234+/-0.032 χ^2/NDF:9438.1/42

All: -1.194+/-0.022 χ^2/NDF: 21053.3/81



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: -0.053+/-0.001 χ^2/NDF:5006.2/22

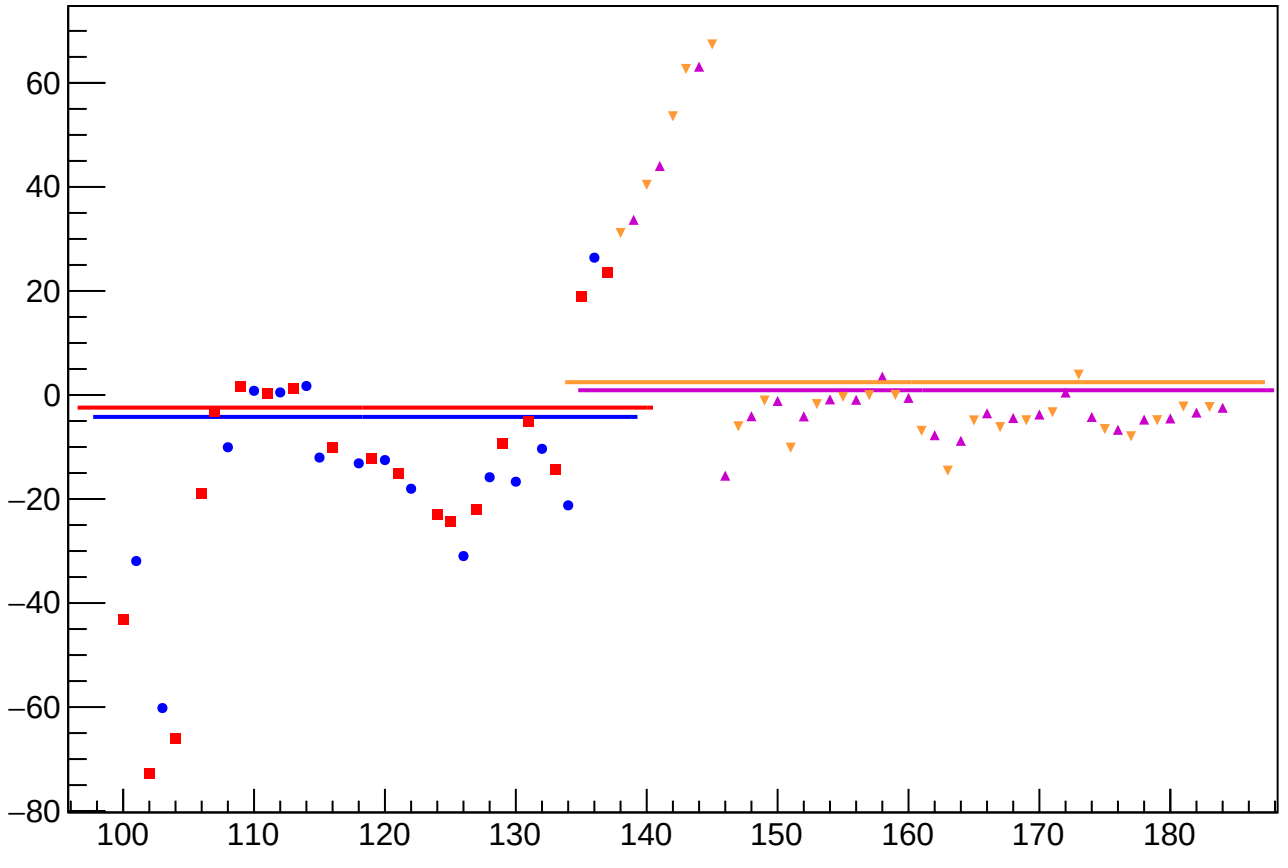
Left: -0.059+/-0.001 χ^2/NDF: 10532.6/46

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.078+/-0.001 χ^2/NDF:19487.0/38

Out: -0.080+/-0.001 χ^2/NDF:21571.0/42

All: -0.079+/-0.001 χ^2/NDF: 41059.3/81



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: 0.912+/-0.040 χ^2/NDF:132573.8/22

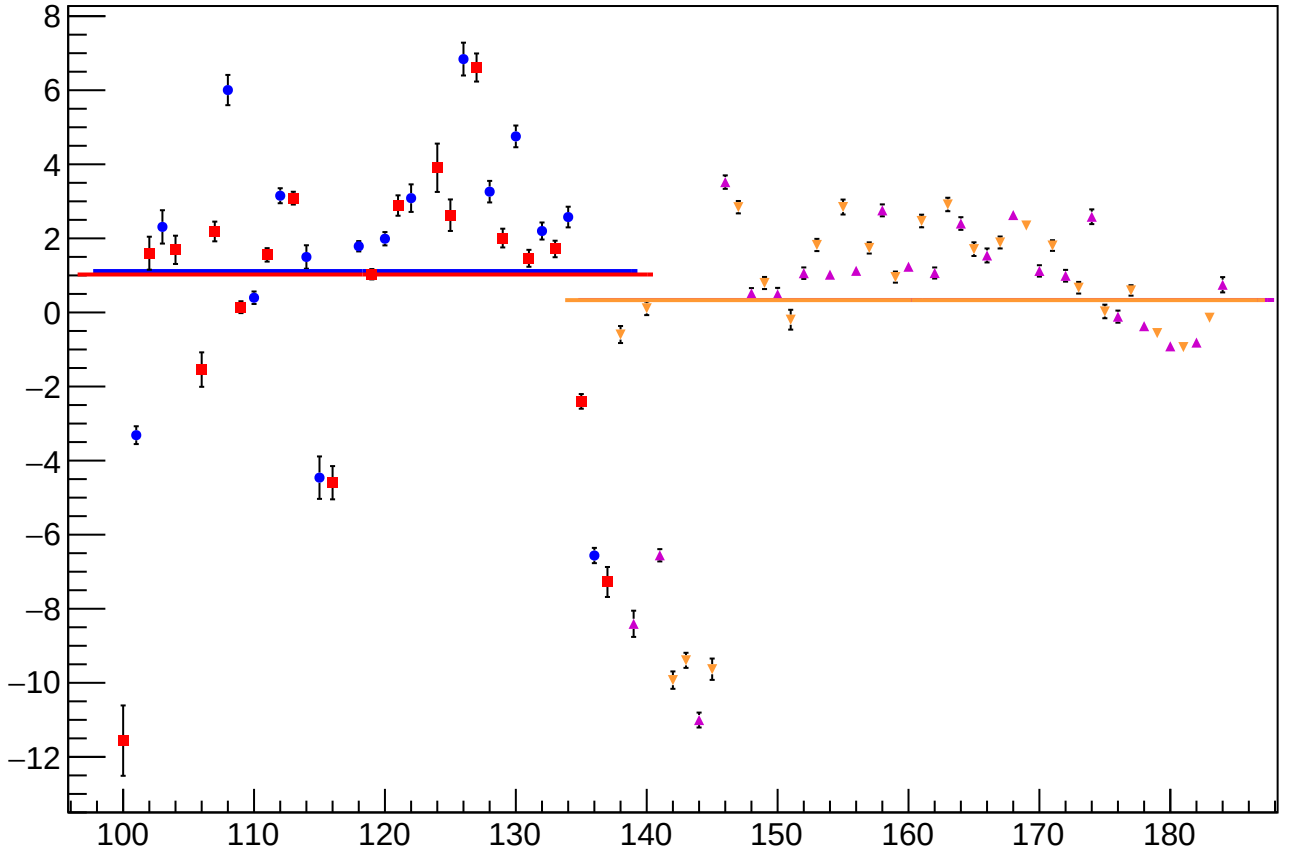
Left: 1.671+/-0.029 χ^2/NDF: 309812.7/46

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: -0.871+/-0.032 χ^2/NDF:213515.2/38

Out: 0.319+/-0.031 χ^2/NDF:263522.5/42

All: -0.244+/-0.022 χ^2/NDF: 477754.2/81



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: 0.337+/-0.031 χ^2/NDF:7094.3/22

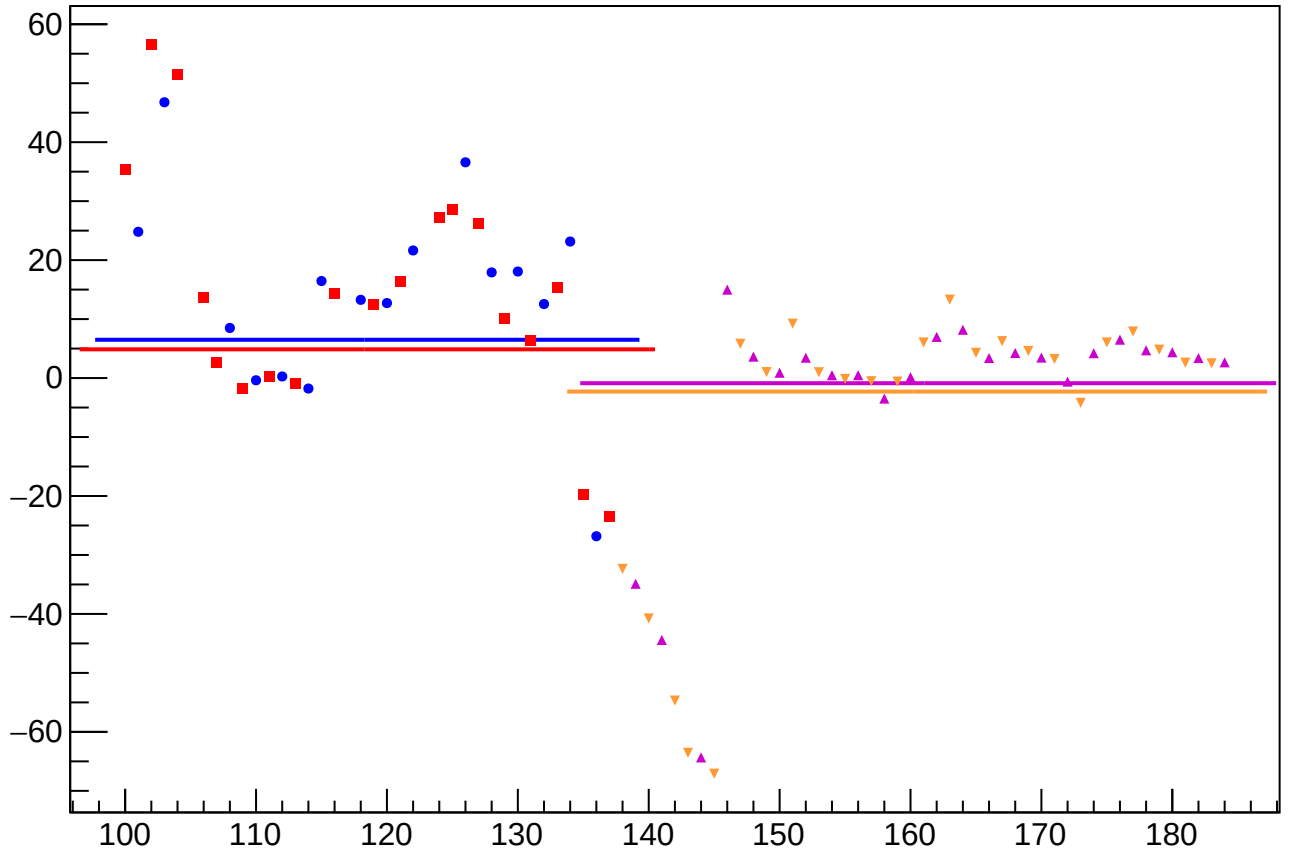
Left: 0.335+/-0.023 χ^2/NDF: 14112.2/46

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.503+/-0.028 χ^2/NDF:9817.6/38

Out: 0.507+/-0.029 χ^2/NDF:8739.1/42

All: 0.505+/-0.020 χ^2/NDF: 18556.7/81



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: -0.871+/-0.039 χ^2/NDF:129263.4/22

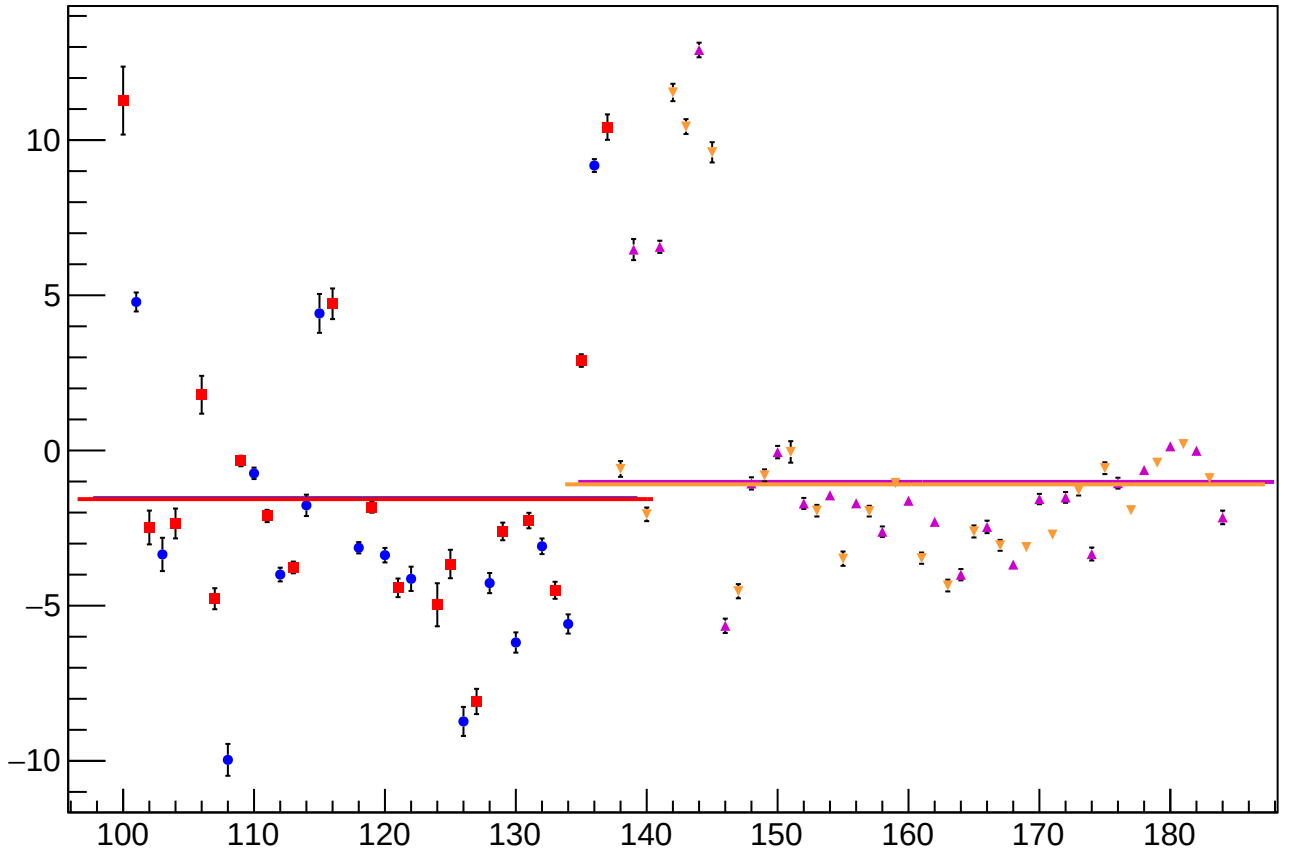
Left: -1.558+/-0.028 χ^2/NDF: 300674.7/46

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: 1.096+/-0.034 χ^2/NDF:209227.9/38

Out: 0.010+/-0.034 χ^2/NDF:255978.4/42

All: 0.550+/-0.024 χ^2/NDF: 465727.6/81



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: -1.013+/-0.035 χ^2/NDF:7027.2/22

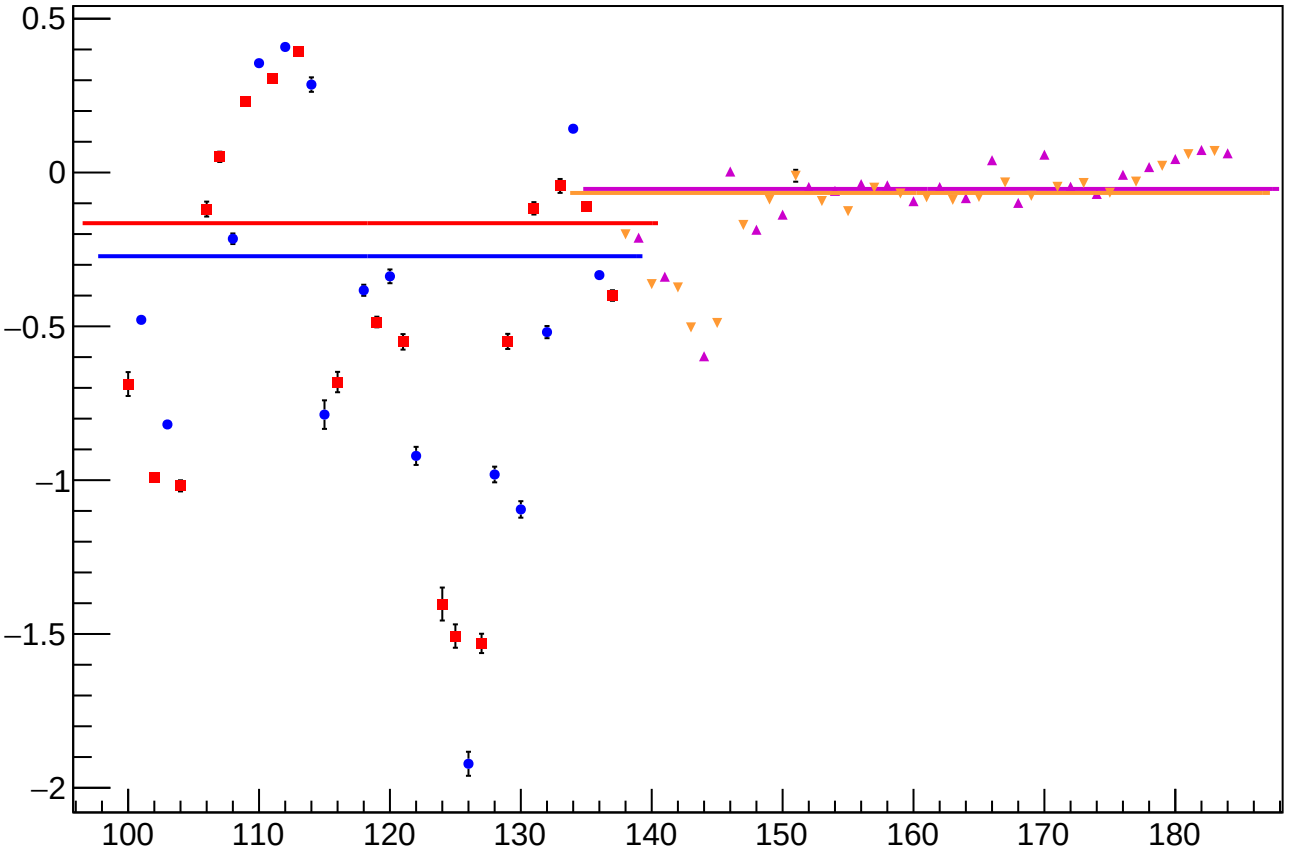
Left: -1.050+/-0.025 χ^2/NDF: 13977.6/46

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.119+/-0.031 χ^2/NDF:11608.9/38

Out: -1.207+/-0.032 χ^2/NDF:9486.2/42

All: -1.162+/-0.022 χ^2/NDF: 21099.0/81



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: -0.053+/-0.001 χ^2/NDF:4993.7/22

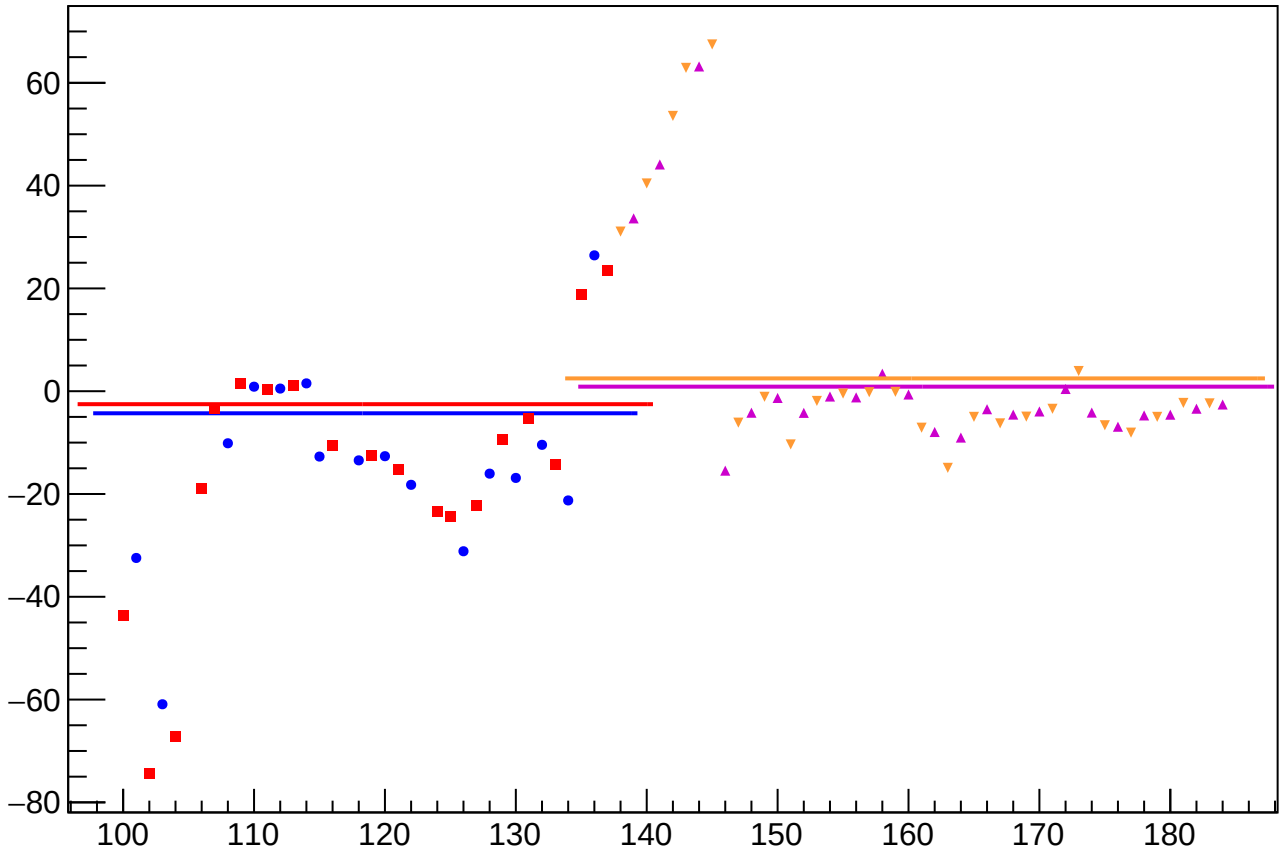
Left: -0.059+/-0.001 χ^2/NDF: 10533.8/46

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.078+/-0.001 χ^2/NDF:19508.7/38

Out: -0.081+/-0.001 χ^2/NDF:21562.5/42

All: -0.080+/-0.001 χ^2/NDF: 41073.3/81



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: 0.887+/-0.041 χ^2/NDF:130417.3/22

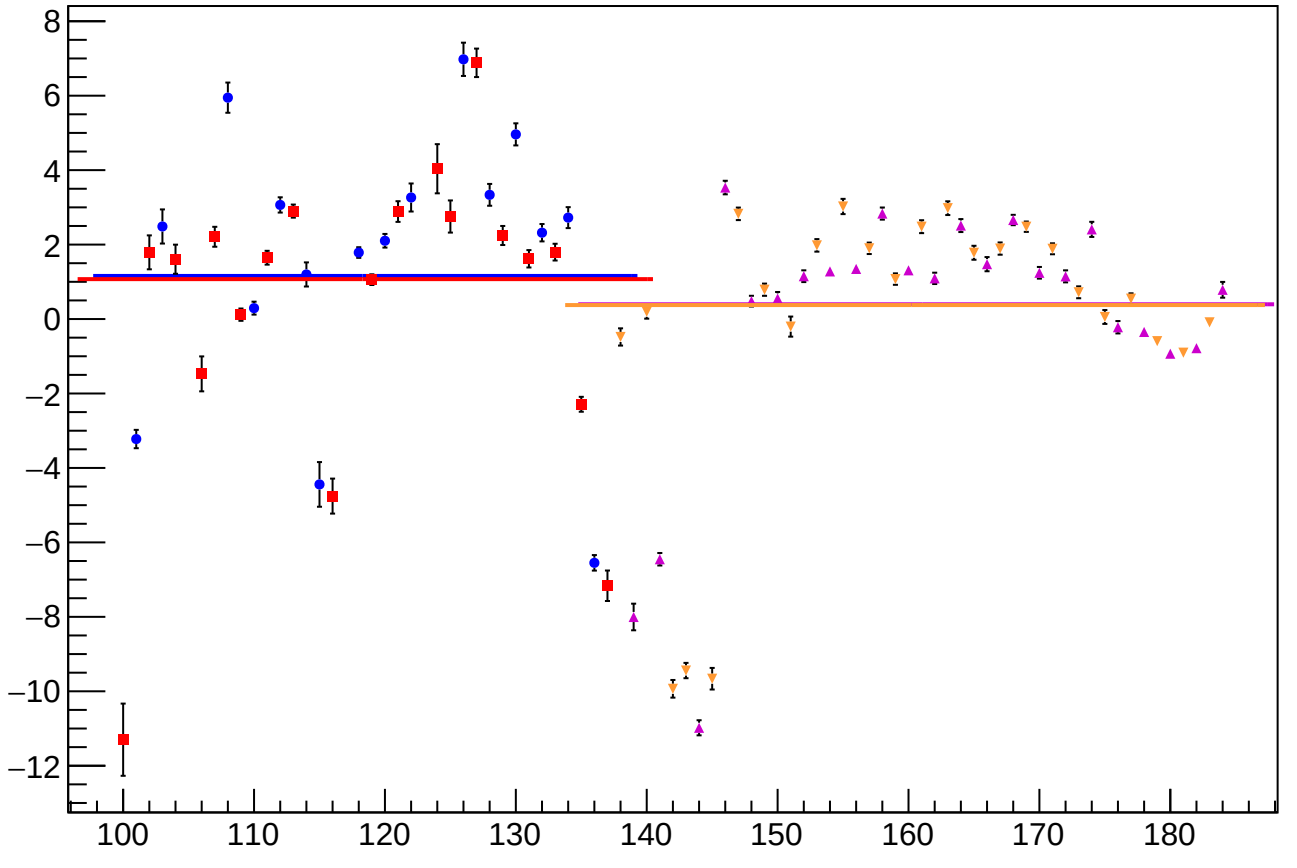
Left: 1.673+/-0.029 χ^2/NDF: 305177.2/46

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: -0.919+/-0.033 χ^2/NDF:210268.9/38

Out: 0.302+/-0.031 χ^2/NDF:260239.8/42

All: -0.276+/-0.023 χ^2/NDF: 471233.7/81



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: 0.396+/-0.032 χ^2/NDF:6932.0/22

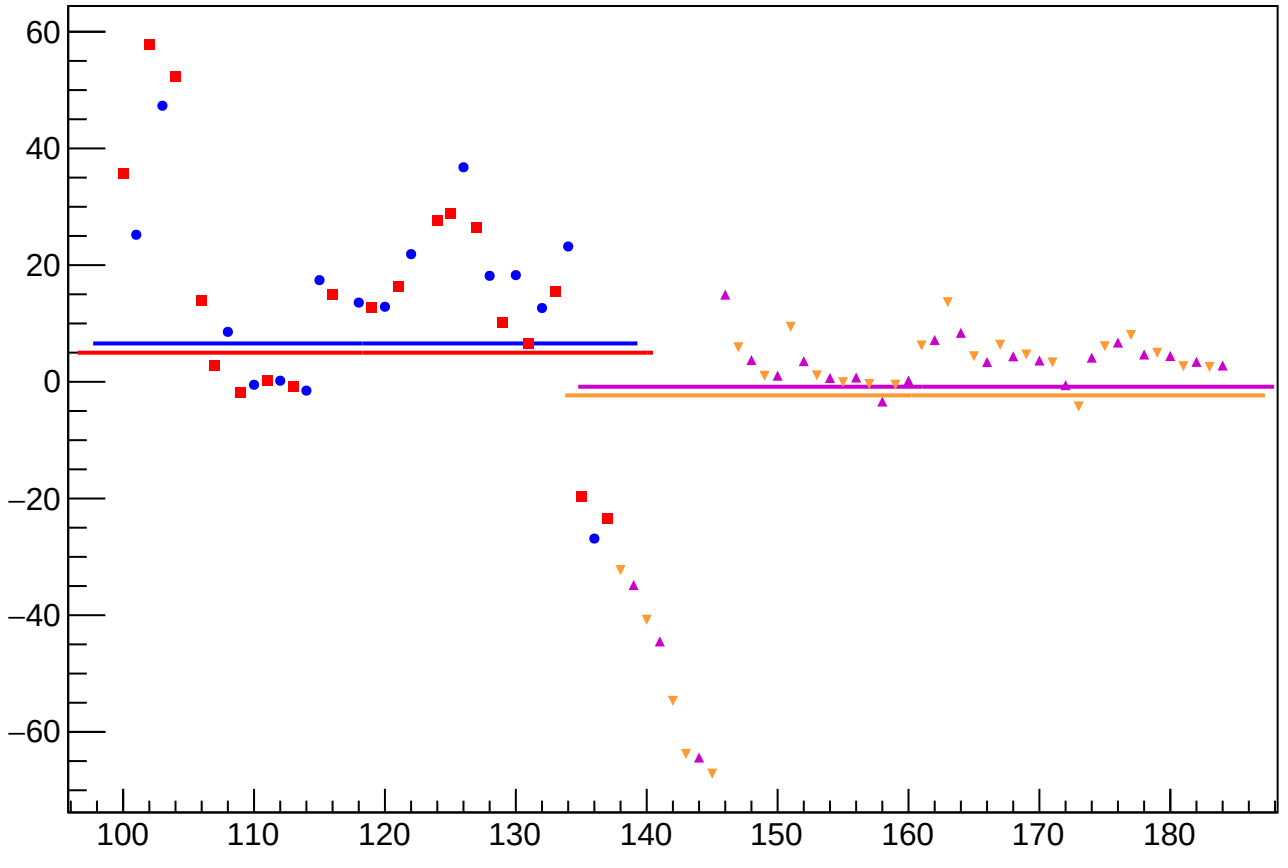
Left: 0.386+/-0.023 χ^2/NDF: 13932.5/46

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.559+/-0.028 χ^2/NDF:9602.3/38

Out: 0.551+/-0.029 χ^2/NDF:8658.4/42

All: 0.555+/-0.020 χ^2/NDF: 18260.8/81



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: -0.843+/-0.040 χ^2/NDF:127135.3/22

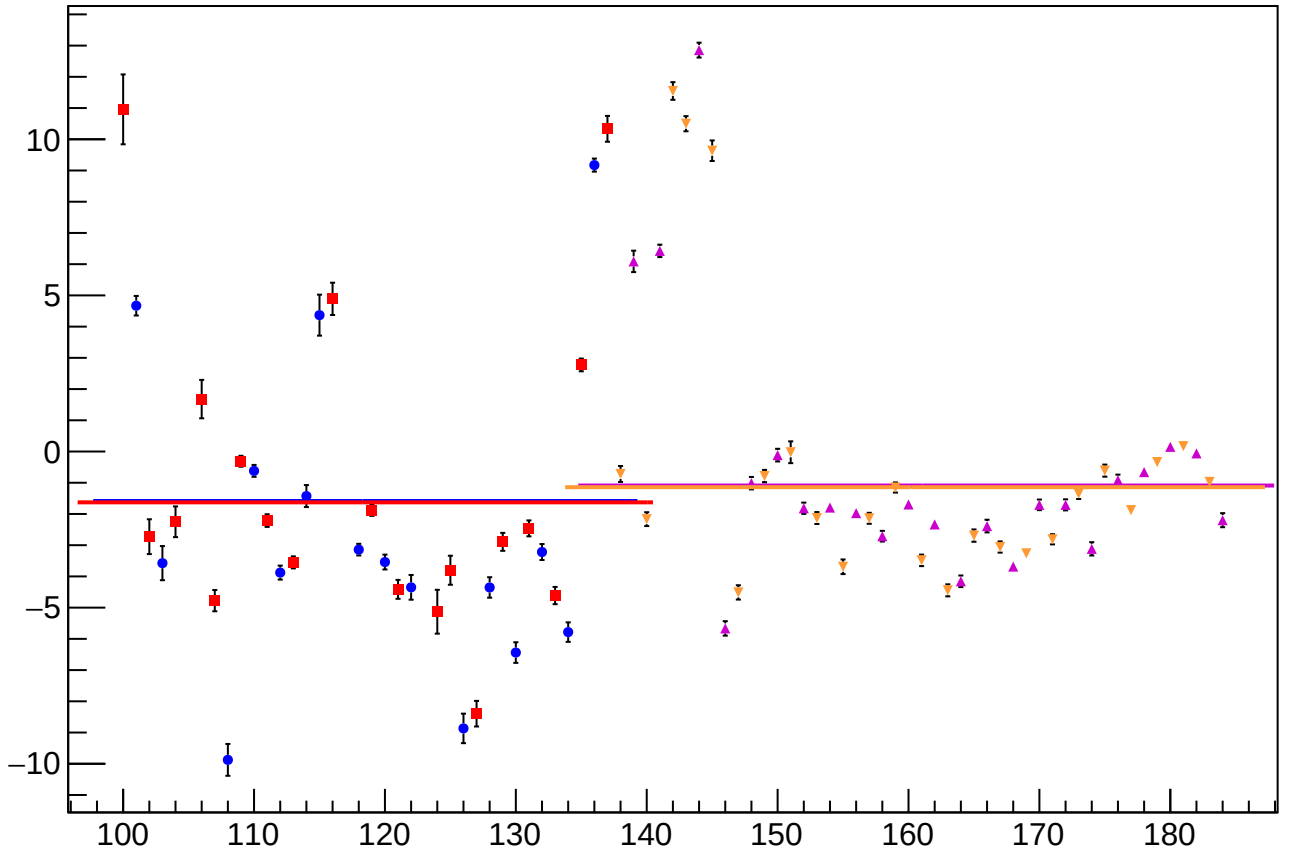
Left: -1.557+/-0.029 χ^2/NDF: 296128.9/46

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: 1.146+/-0.034 χ^2/NDF:206009.3/38

Out: 0.025+/-0.034 χ^2/NDF:252750.4/42

All: 0.583+/-0.024 χ^2/NDF: 459294.5/81



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: -1.089+/-0.036 χ^2/NDF:6840.8/22

Left: -1.114+/-0.026 χ^2/NDF: 13766.4/46

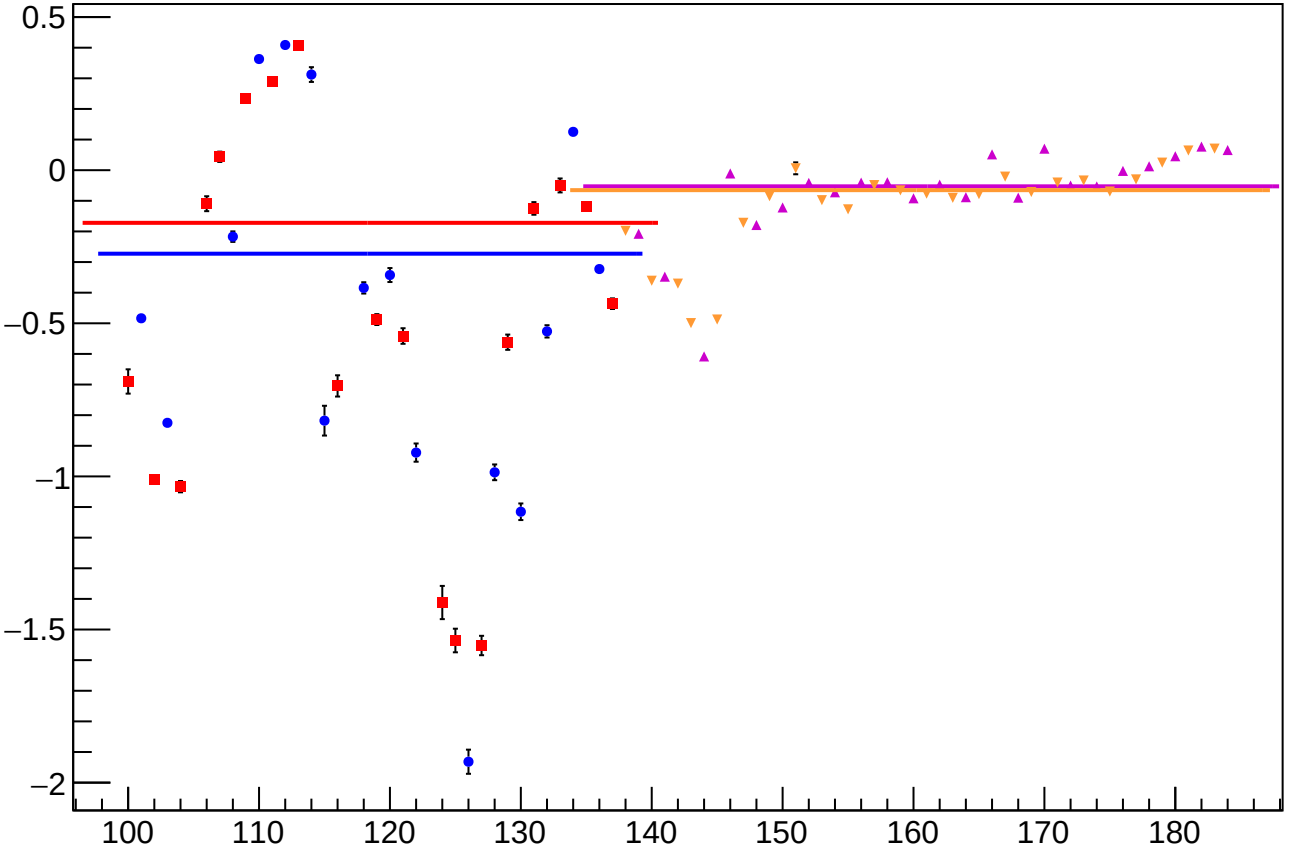
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.189+/-0.032 χ^2/NDF:11352.7/38

Out: -1.261+/-0.033 χ^2/NDF:9388.0/42

All: -1.224+/-0.023 χ^2/NDF: 20743.1/81

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: -0.053+/-0.002 χ^2/NDF:5036.0/22

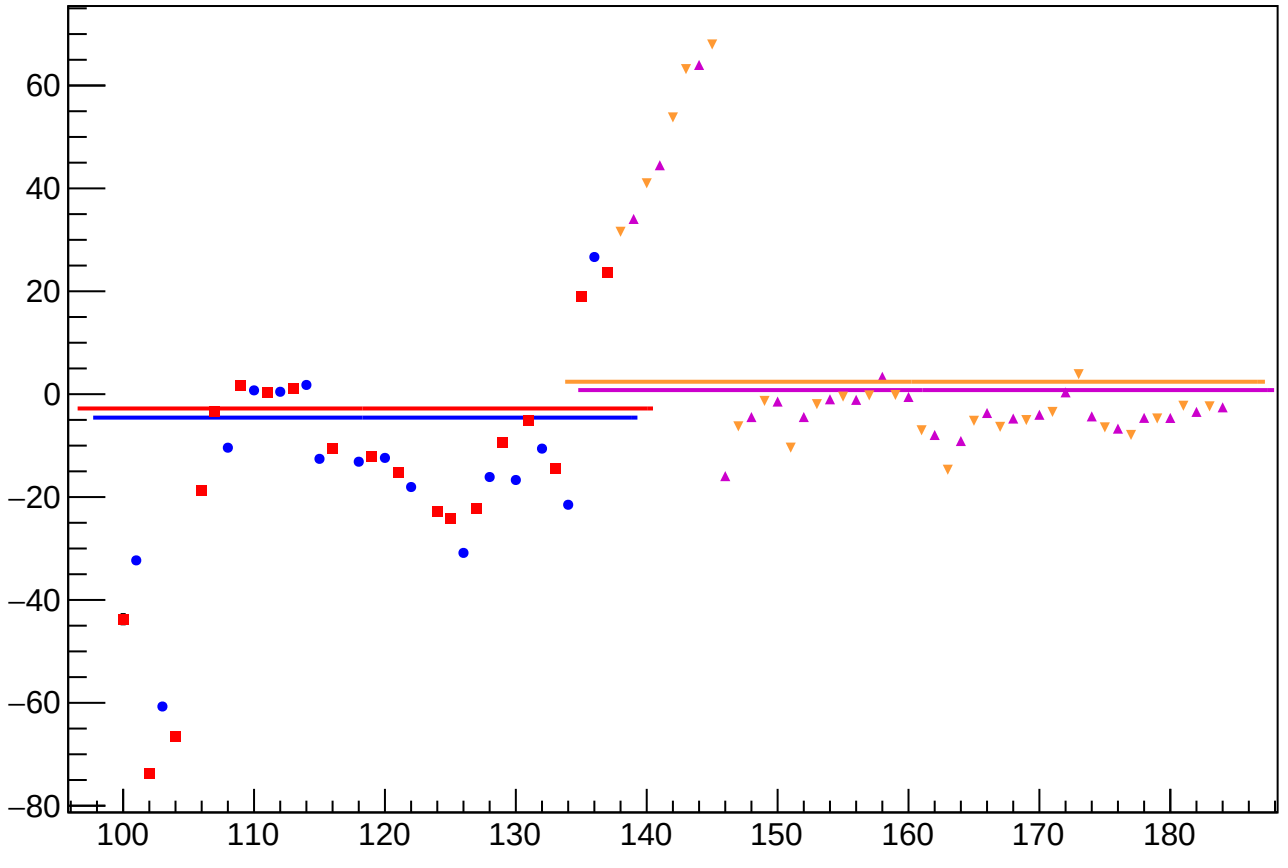
Left: -0.059+/-0.001 χ^2/NDF: 10459.3/46

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.078+/-0.001 χ^2/NDF:19292.5/38

Out: -0.081+/-0.002 χ^2/NDF:21359.8/42

All: -0.080+/-0.001 χ^2/NDF: 40654.8/81



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: 0.794+/-0.041 χ^2/NDF:128828.3/22

Left: 1.589+/-0.029 χ^2/NDF: 300615.3/46

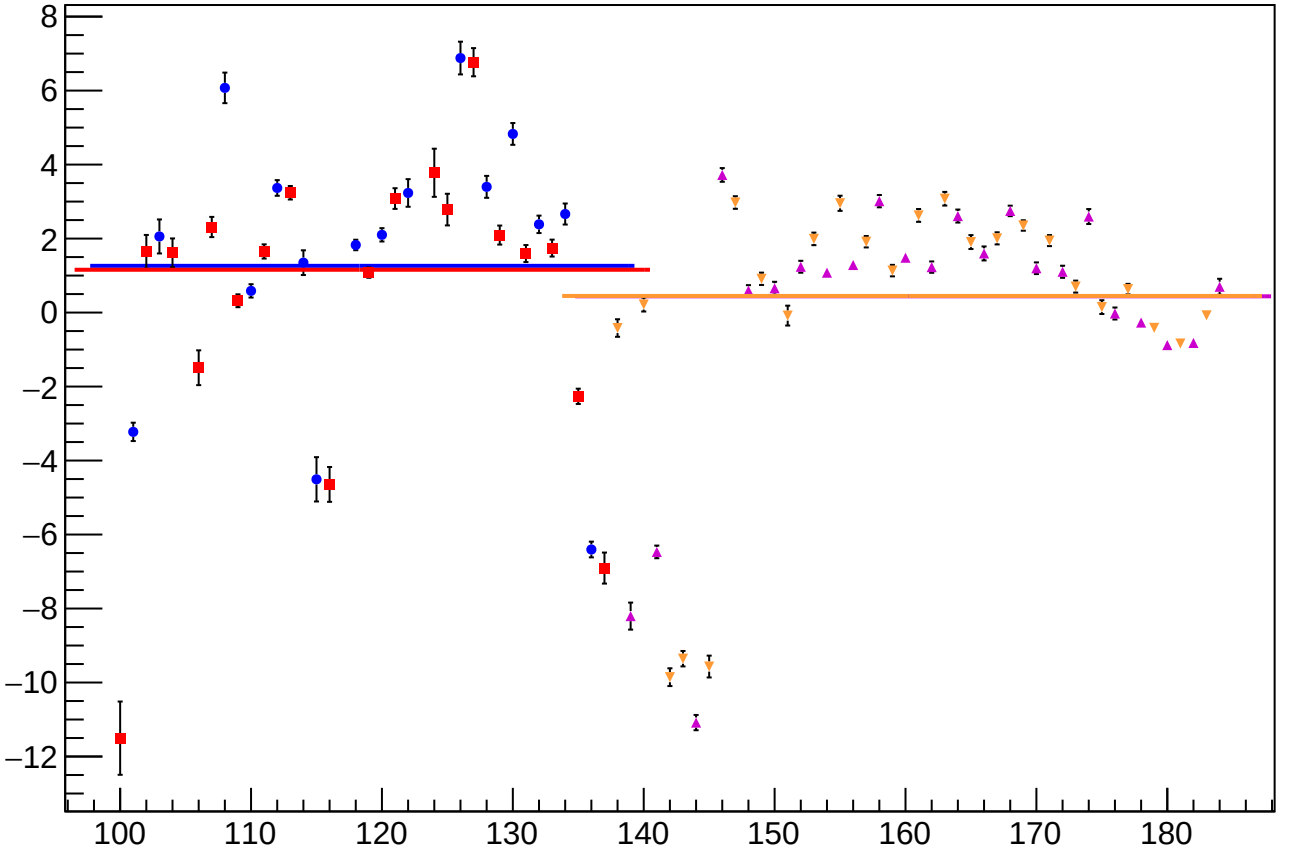
Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: -1.049+/-0.033 χ^2/NDF:207282.3/38

Out: 0.191+/-0.032 χ^2/NDF:255493.1/42

All: -0.399+/-0.023 χ^2/NDF: 463501.2/81

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.449+/-0.034 χ^2/NDF:6773.1/23

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

Left: 0.444+/-0.024 χ^2/NDF: 13666.8/46

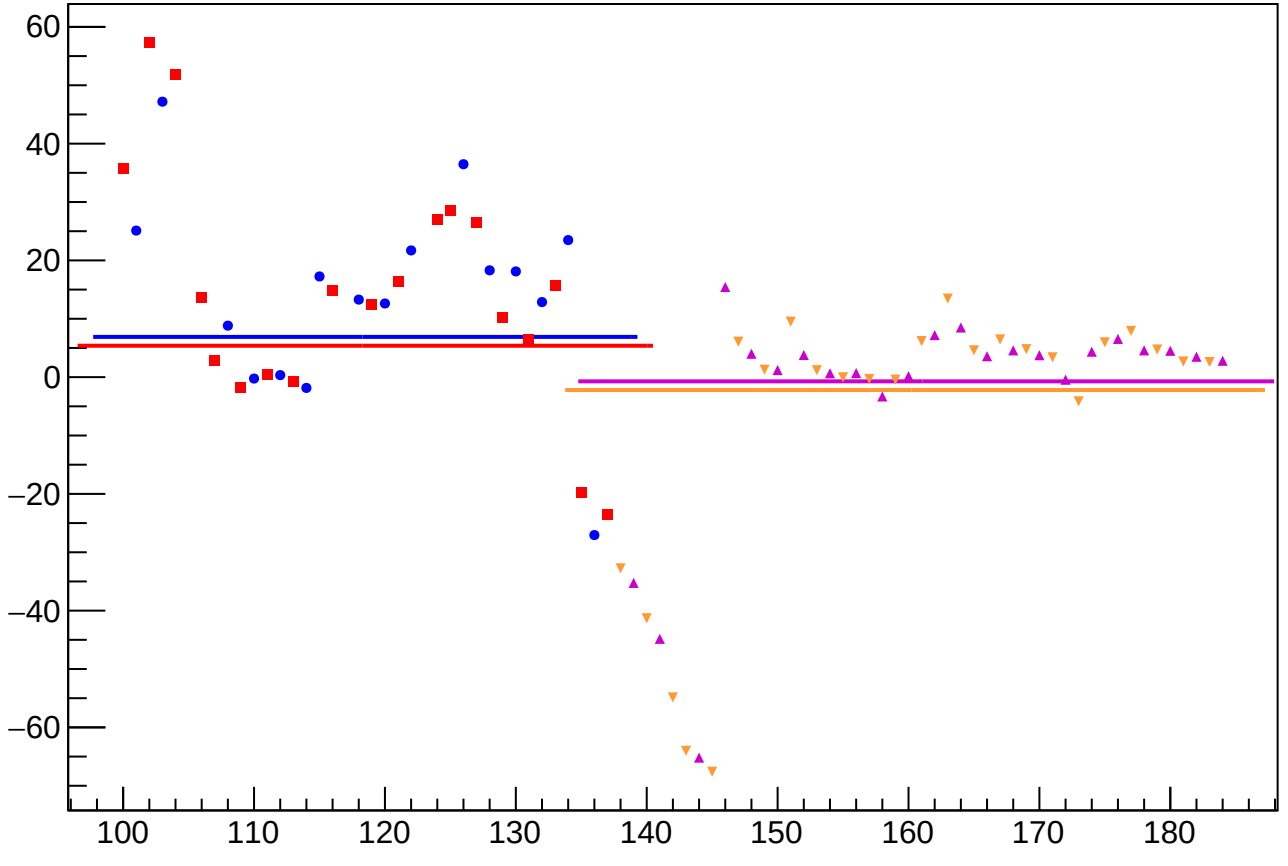
Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.616+/-0.029 χ^2/NDF:9476.0/38

Out: 0.626+/-0.030 χ^2/NDF:8371.2/42

All: 0.621+/-0.021 χ^2/NDF: 17847.2/81

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -0.720+/-0.041 χ^2/NDF:125531.3/22

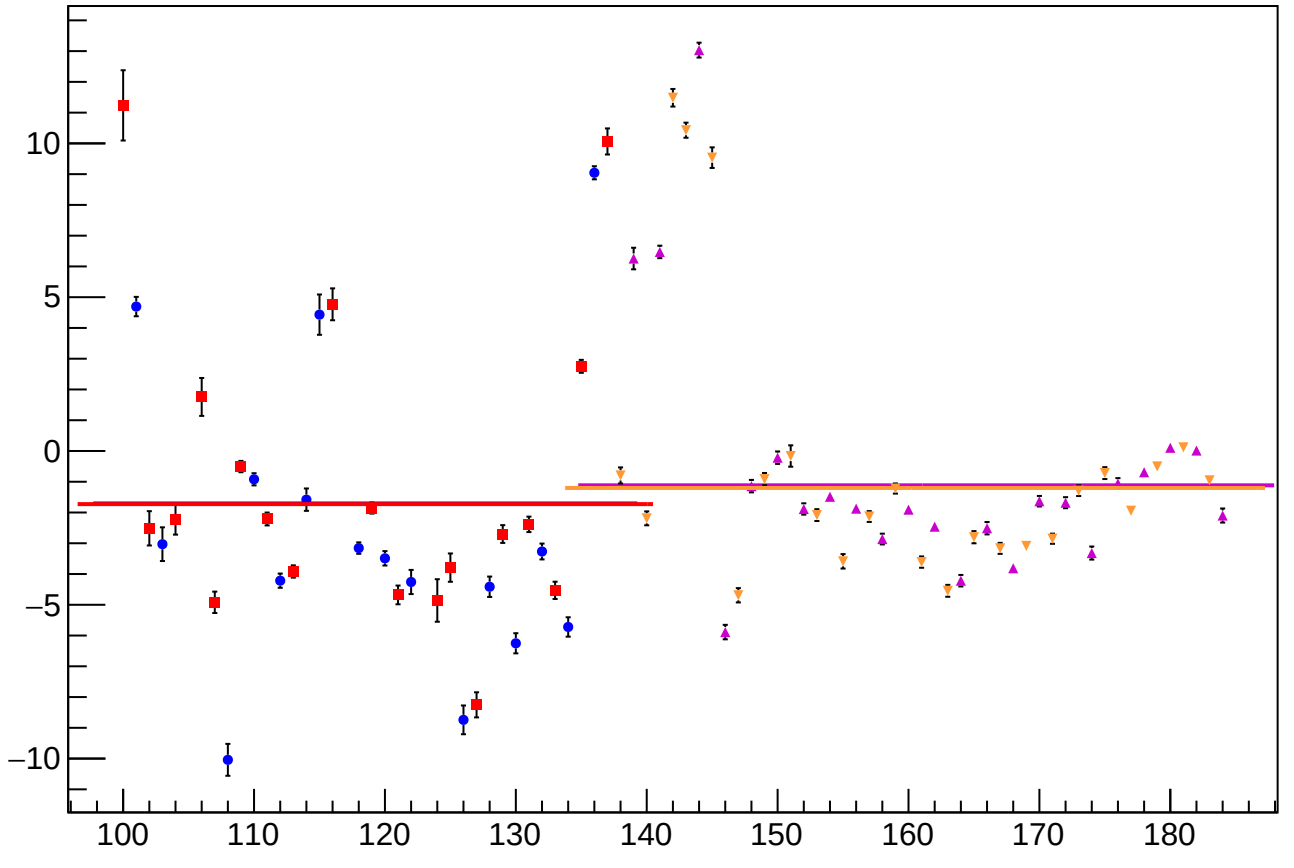
Left: -1.440+/-0.029 χ^2/NDF: 291541.9/46

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 1.307+/-0.035 χ^2/NDF:202955.0/38

Out: 0.189+/-0.035 χ^2/NDF:247945.5/42

All: 0.747+/-0.025 χ^2/NDF: 451419.2/81



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: -1.117+/-0.036 χ^2/NDF:6840.3/22

Left: -1.157+/-0.026 χ^2/NDF: 13556.1/46

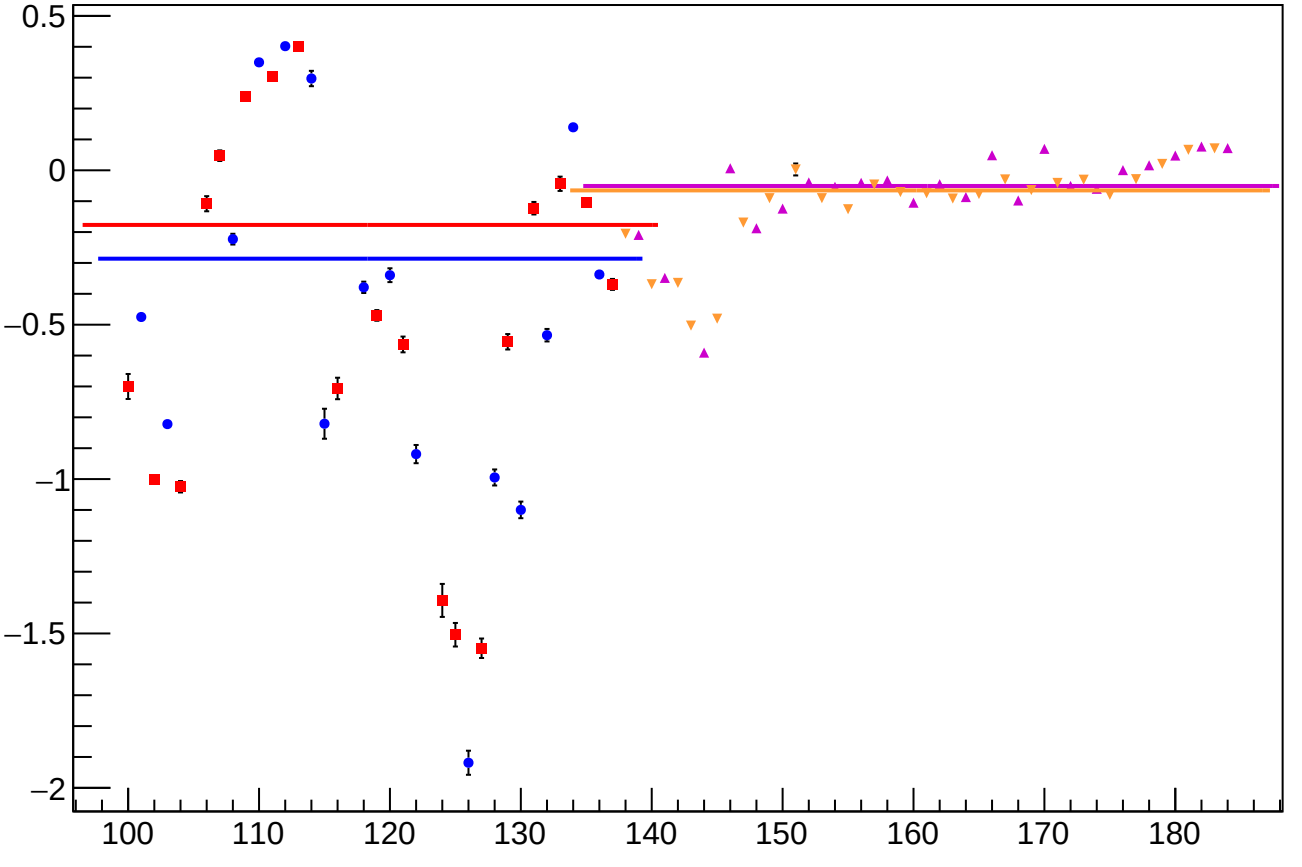
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.236+/-0.032 χ^2/NDF:11184.5/38

Out: -1.329+/-0.033 χ^2/NDF:9069.6/42

All: -1.281+/-0.023 χ^2/NDF: 20258.2/81

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: -0.051+/-0.002 χ^2/NDF:4878.7/22

Left: -0.057+/-0.001 χ^2/NDF: 10180.4/46

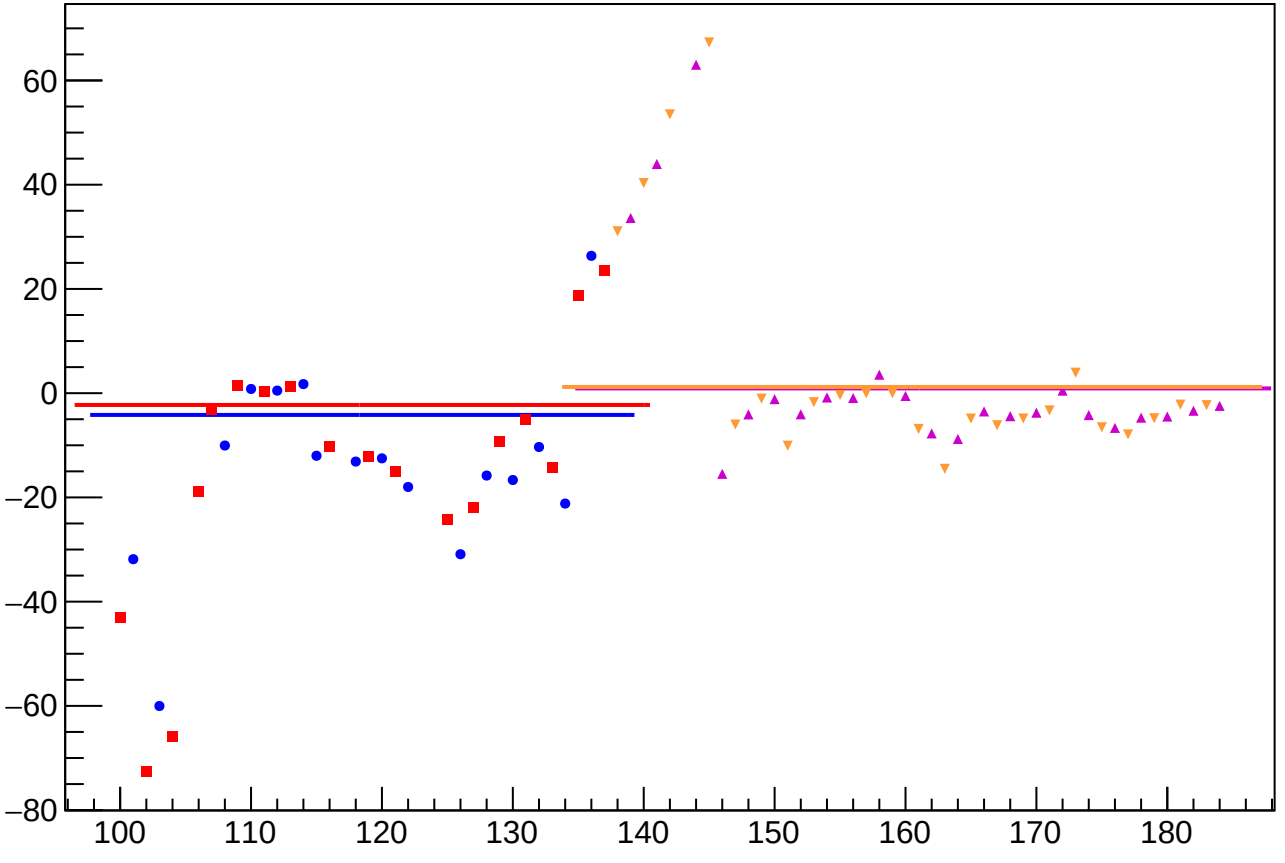
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.078+/-0.001 χ^2/NDF:18917.0/38

Out: -0.082+/-0.002 χ^2/NDF:20710.8/42

All: -0.080+/-0.001 χ^2/NDF: 39631.3/81

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: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 1.047+/-0.029 χ^2/NDF: 263405.3/45

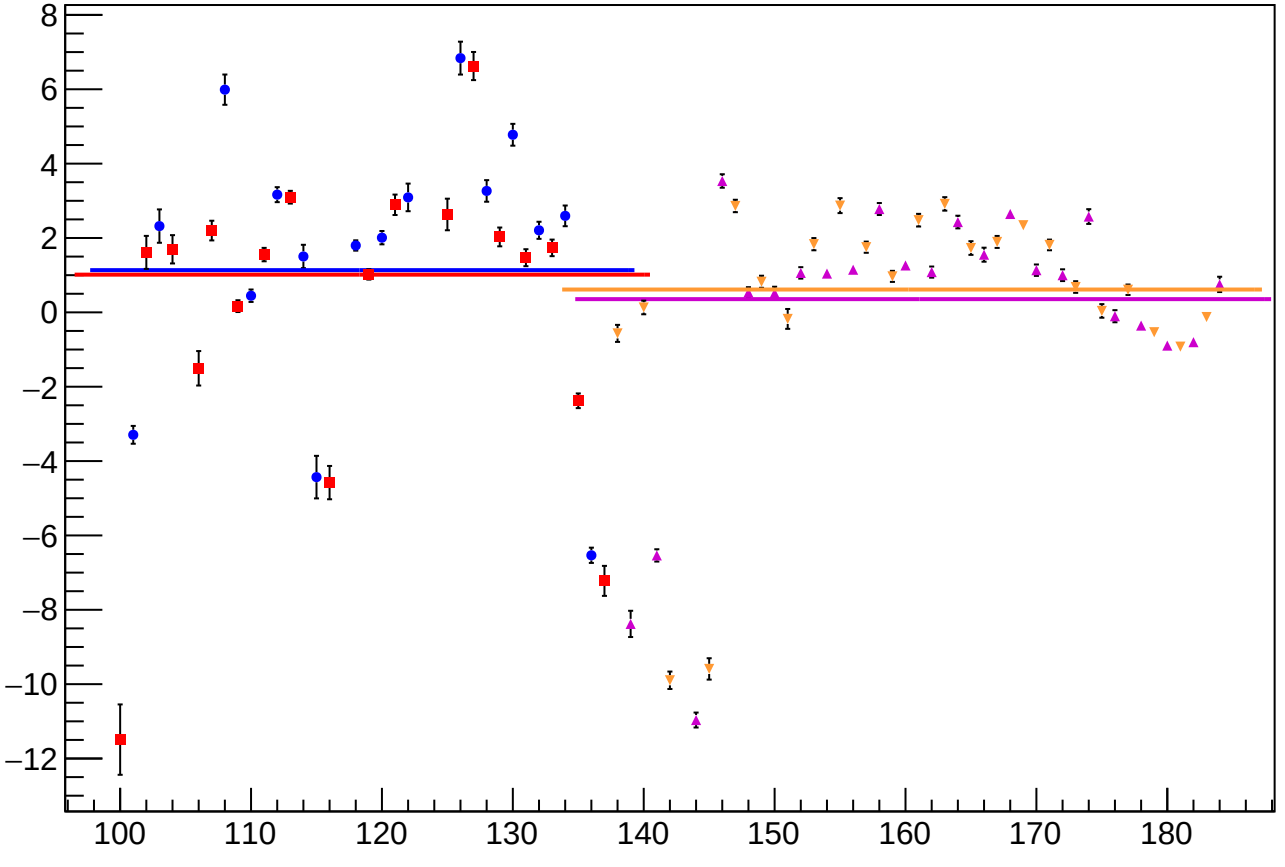
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: -0.859+/-0.032 χ^2/NDF:213886.3/38

Out: -0.339+/-0.031 χ^2/NDF:213329.1/40

All: -0.587+/-0.022 χ^2/NDF: 427352.7/79

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: 0.355+/-0.031 χ^2/NDF:7117.0/22

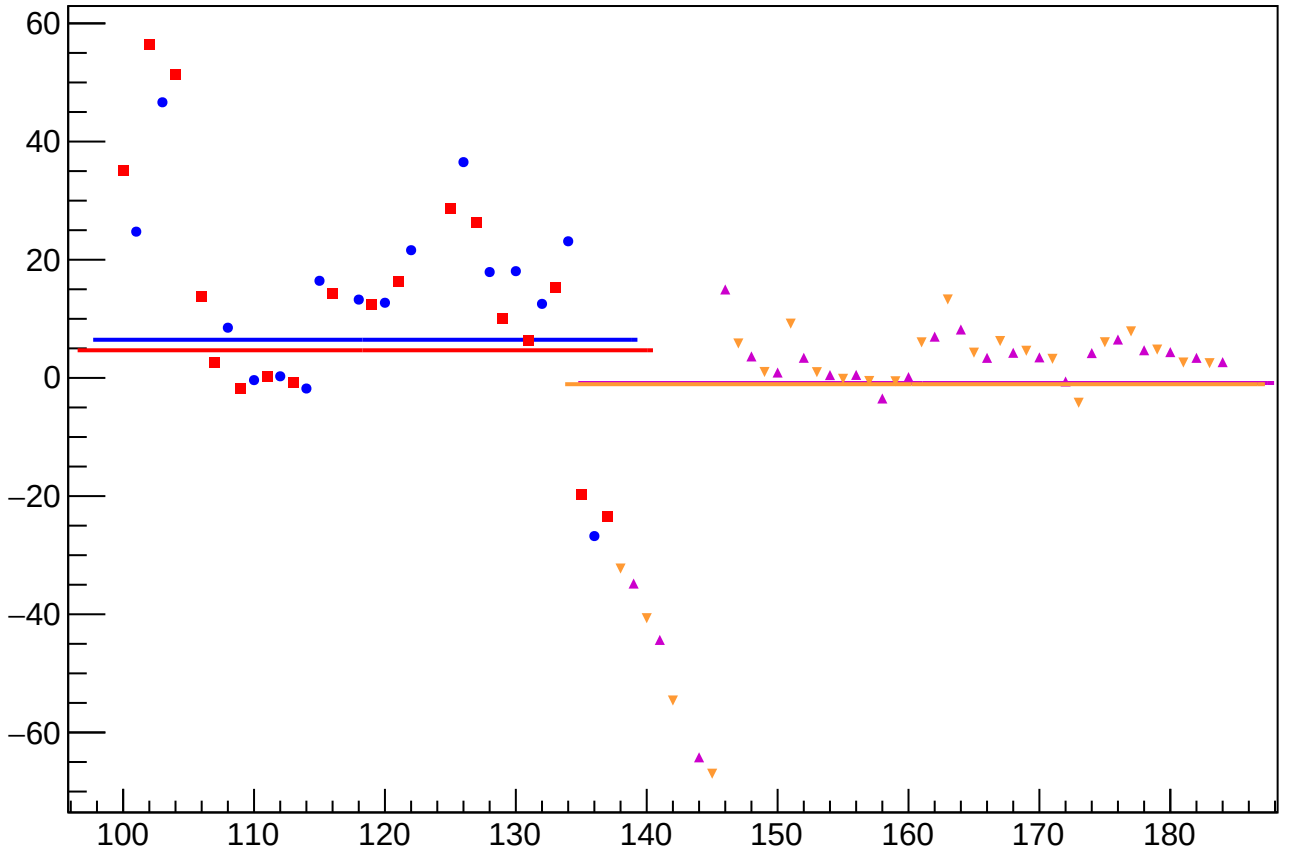
Left: 0.476+/-0.023 χ^2/NDF: 11824.7/45

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.522+/-0.028 χ^2/NDF:9844.8/38

Out: 0.717+/-0.029 χ^2/NDF:6305.4/40

All: 0.615+/-0.020 χ^2/NDF: 16173.8/79



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: -0.860+/-0.039 χ^2/NDF:129485.0/22

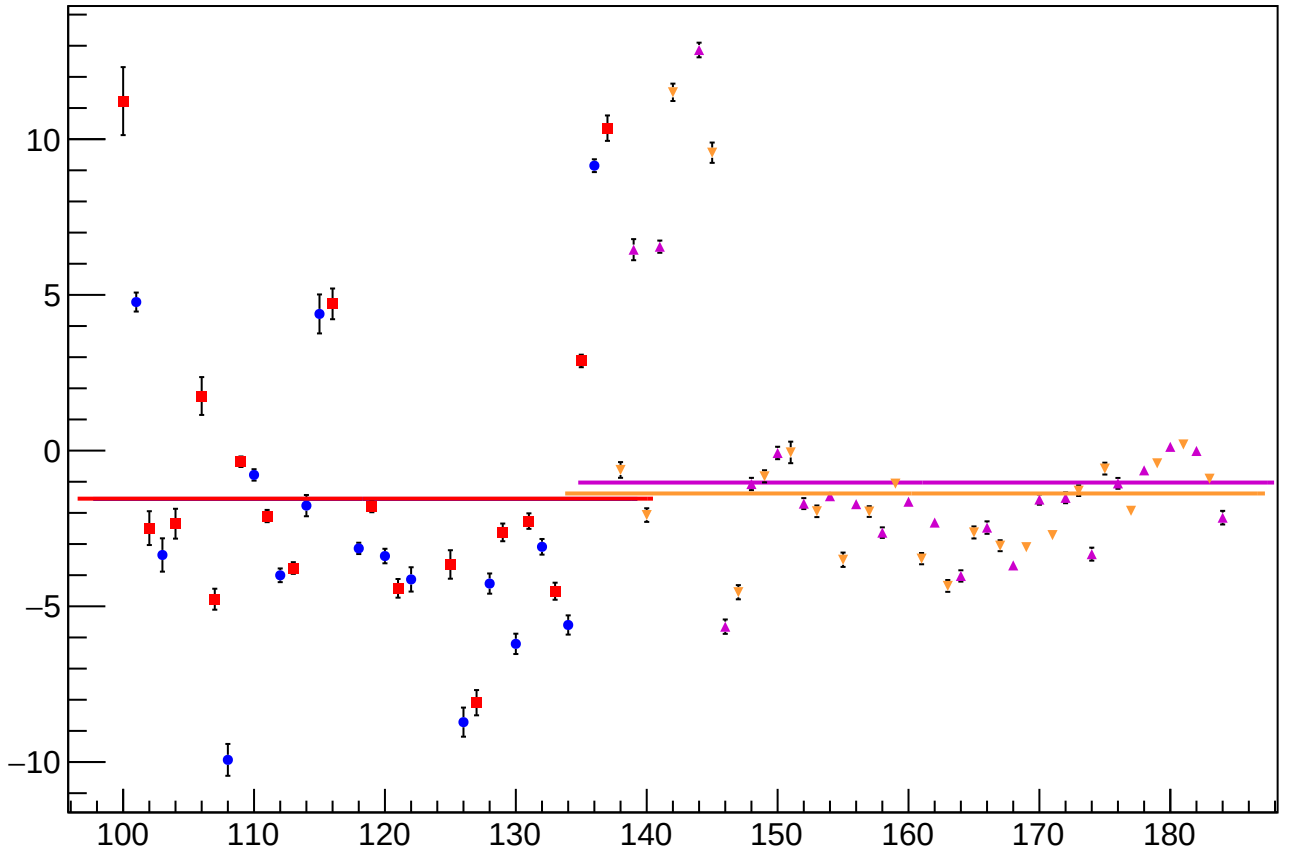
Left: -0.958+/-0.028 χ^2/NDF: 255402.3/45

Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: 1.096+/-0.034 χ^2/NDF:209576.8/38

Out: 0.802+/-0.034 χ^2/NDF:206689.7/40

All: 0.949+/-0.024 χ^2/NDF: 416304.6/79



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: -1.026+/-0.035 χ^2/NDF:7047.1/22

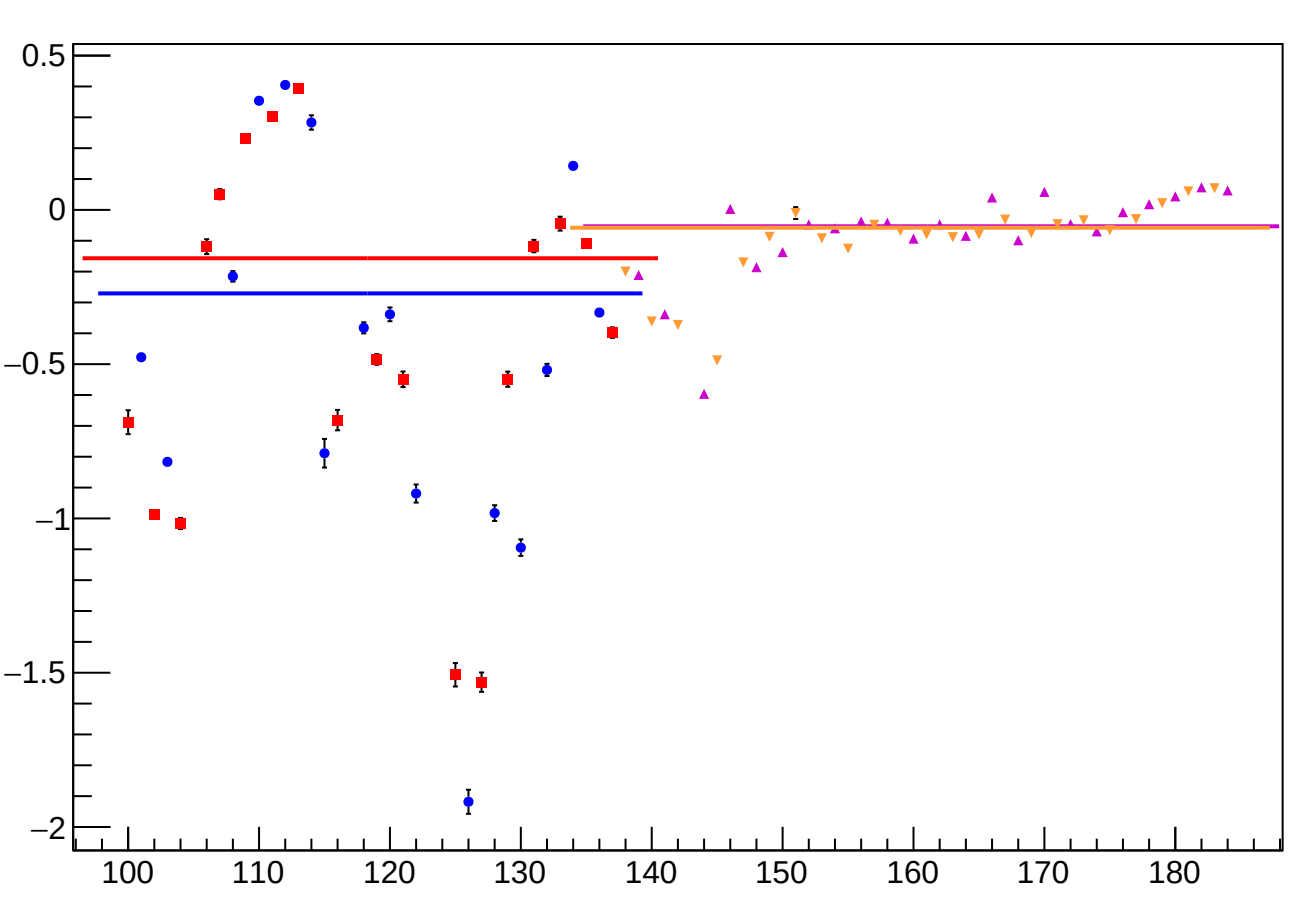
Left: -1.190+/-0.025 χ^2/NDF: 11680.0/45

Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.131+/-0.031 χ^2/NDF:11636.6/38

Out: -1.418+/-0.032 χ^2/NDF:7063.3/40

All: -1.270+/-0.022 χ^2/NDF: 18741.0/79



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: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.055+/-0.001 χ^2/NDF: 9147.1/45

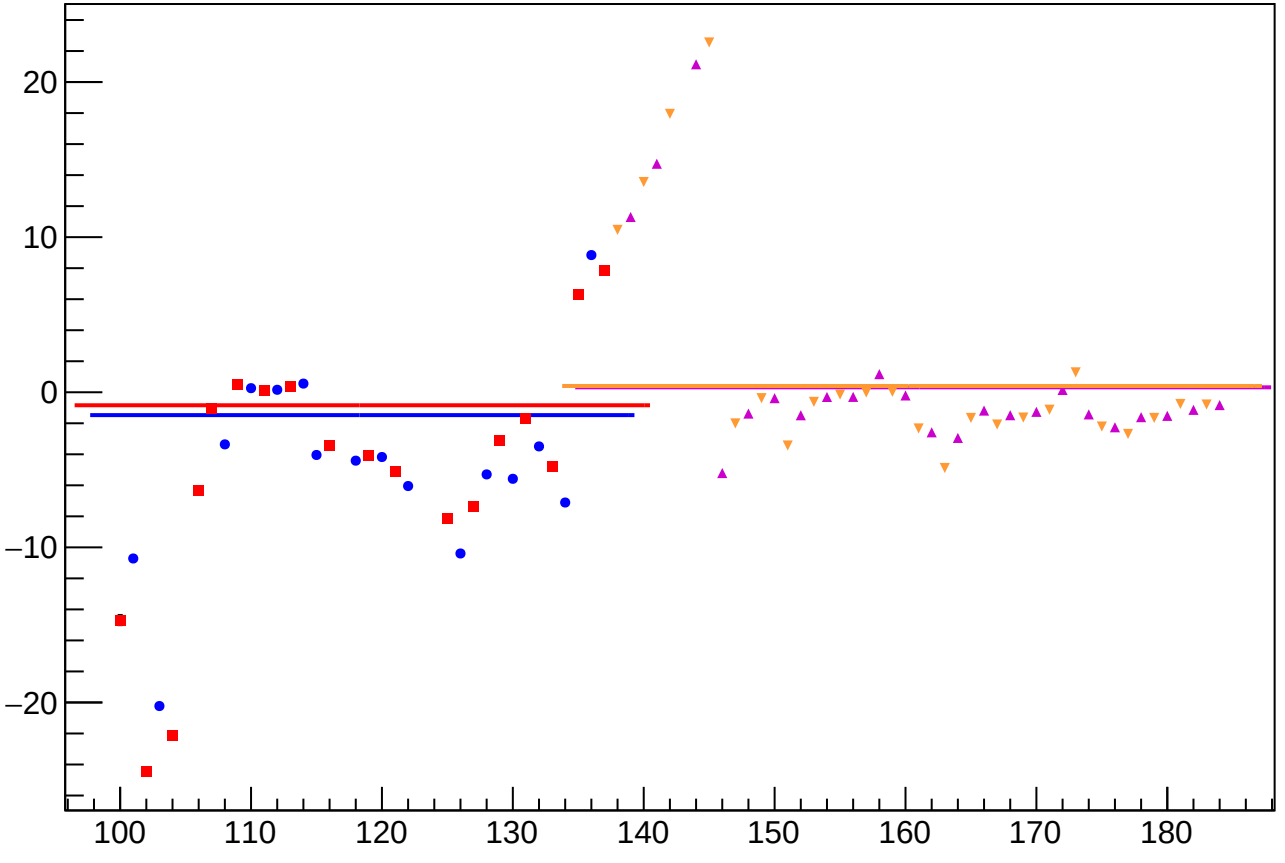
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.078+/-0.001 χ^2/NDF:19549.0/38

Out: -0.073+/-0.001 χ^2/NDF:19728.2/40

All: -0.076+/-0.001 χ^2/NDF: 39283.2/79

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: 0.317+/-0.014 χ^2/NDF:130224.2/22

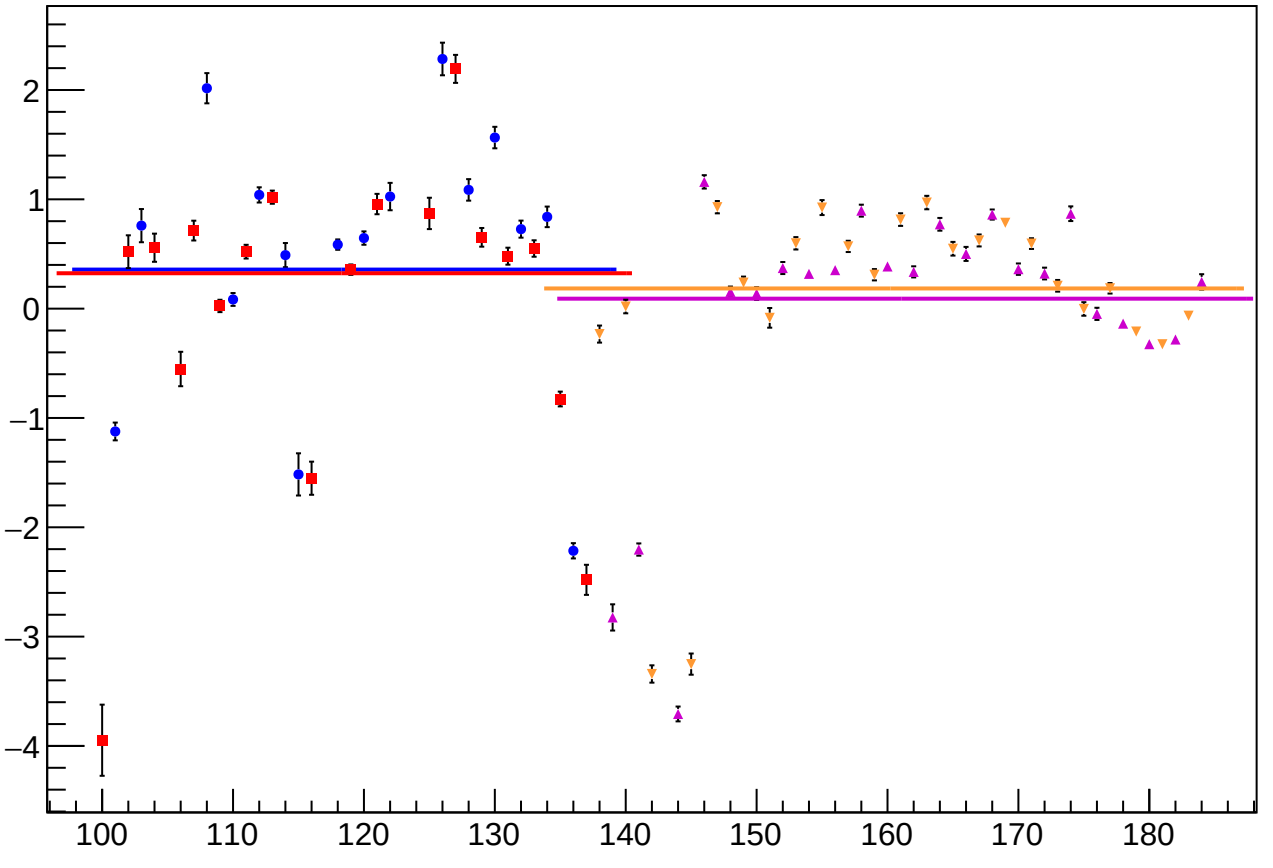
Left: 0.360+/-0.010 χ^2/NDF: 258637.6/45

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: -0.303+/-0.011 χ^2/NDF:209918.5/38

Out: -0.135+/-0.011 χ^2/NDF:209809.6/40

All: -0.215+/-0.008 χ^2/NDF: 419849.4/79



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: 0.091+/-0.011 χ^2/NDF:6936.4/22

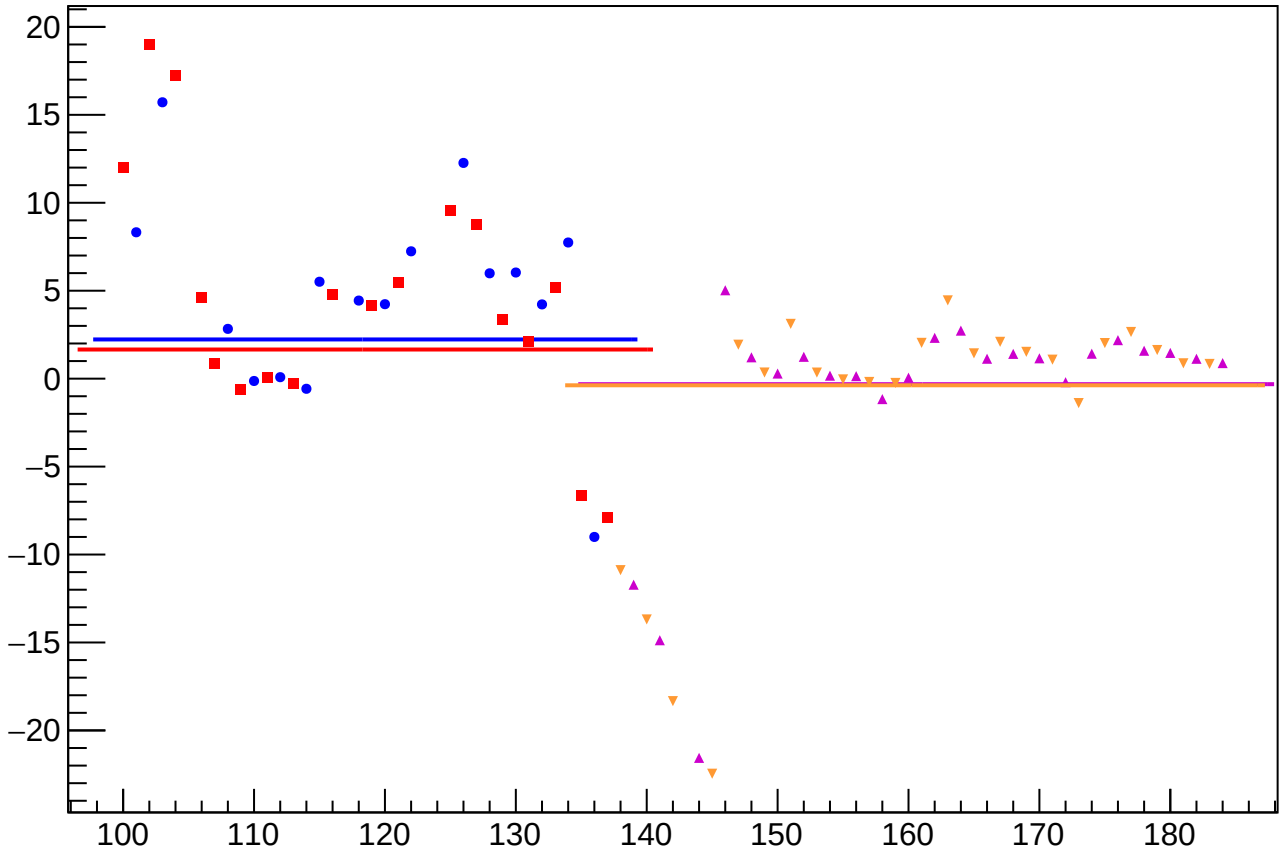
Left: 0.135+/-0.008 χ^2/NDF: 11583.9/45

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.148+/-0.010 χ^2/NDF:9610.8/38

Out: 0.220+/-0.010 χ^2/NDF:6208.3/40

All: 0.183+/-0.007 χ^2/NDF: 15846.3/79



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: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.344+/-0.010 χ^2/NDF: 250793.1/45

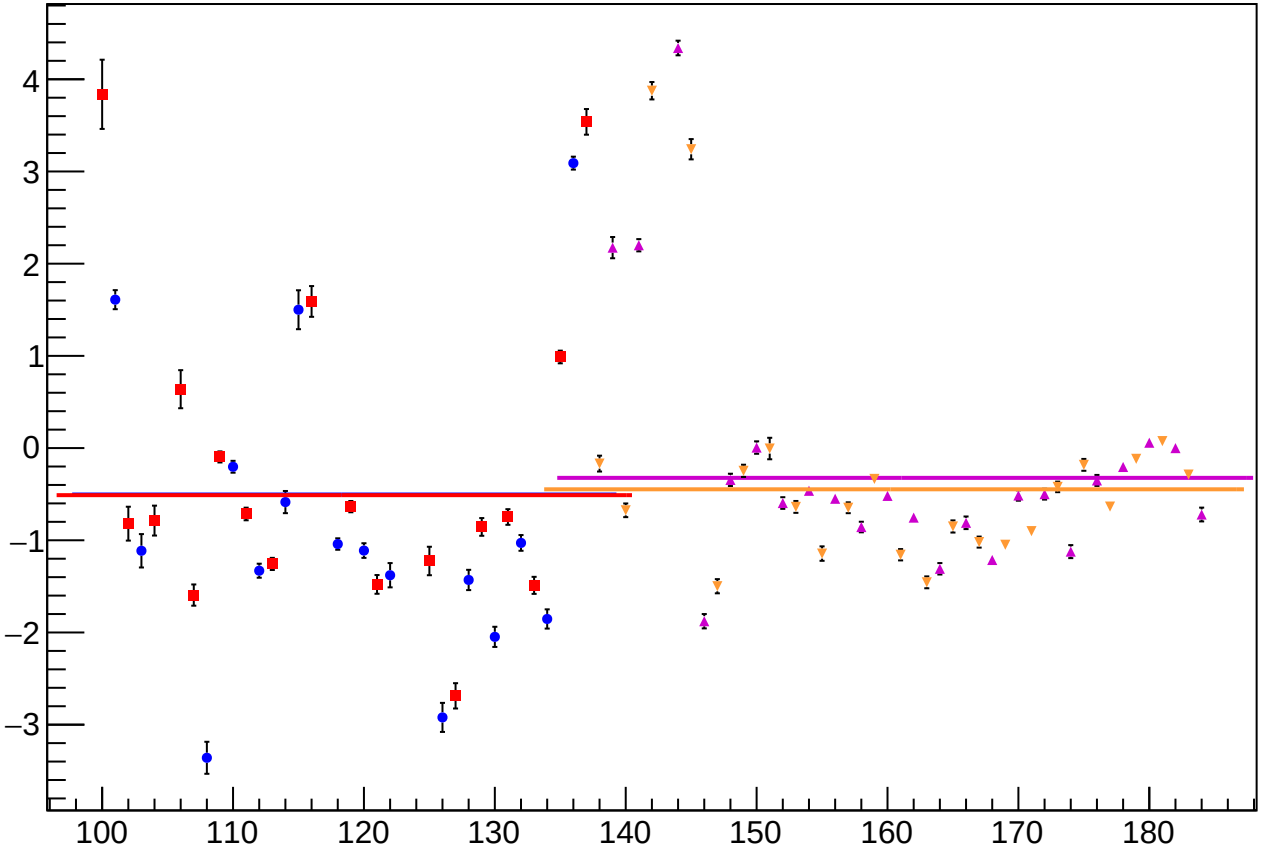
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: 0.367+/-0.012 χ^2/NDF:205748.1/38

Out: 0.273+/-0.012 χ^2/NDF:203312.4/40

All: 0.320+/-0.008 χ^2/NDF: 409093.4/79

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.447+/-0.013 χ^2/NDF:4527.0/22

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

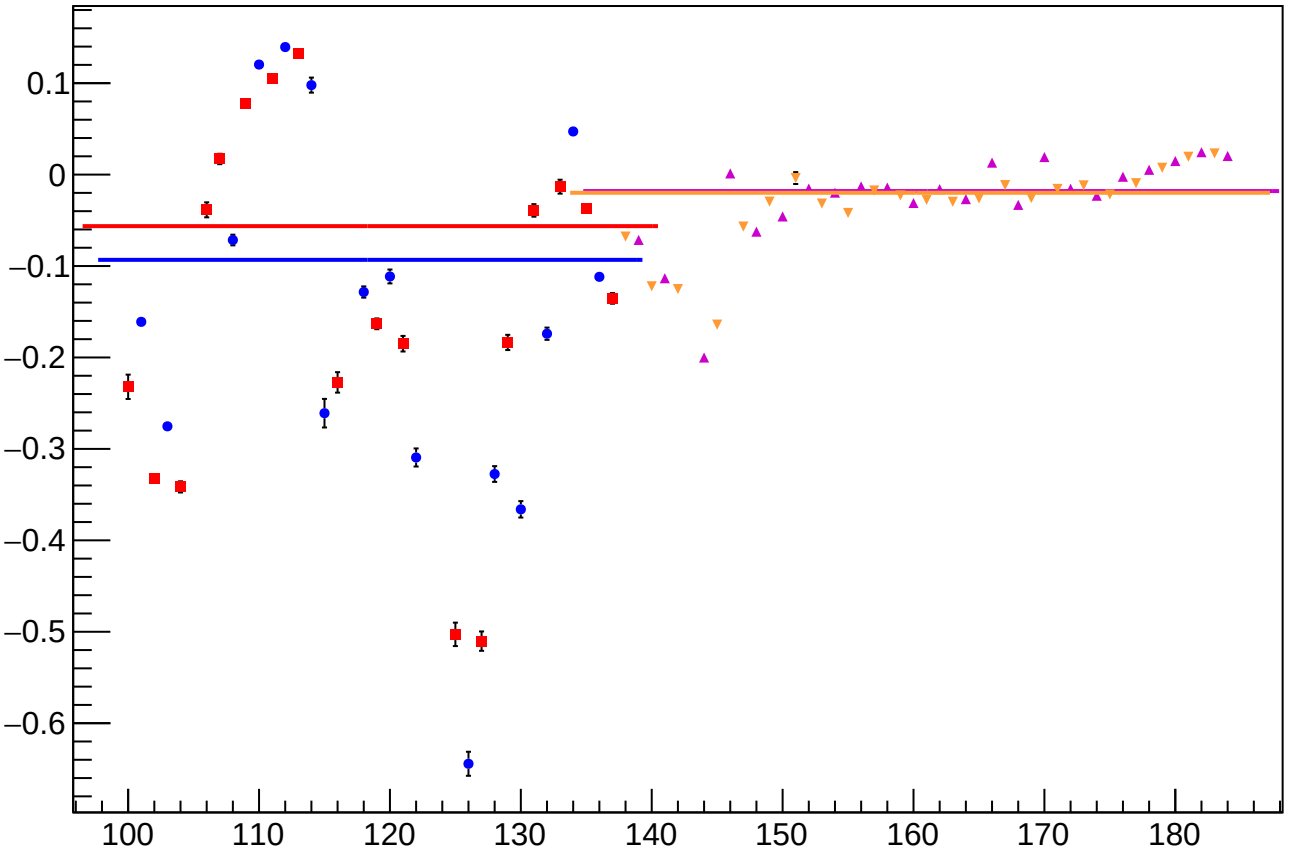
Left: -0.381+/-0.009 χ^2/NDF: 11459.8/45

Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.359+/-0.011 χ^2/NDF:11375.4/38

Out: -0.463+/-0.011 χ^2/NDF:6957.1/40

All: -0.409+/-0.008 χ^2/NDF: 18378.0/79



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: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.019+/-0.000 χ^2/NDF: 8916.8/45

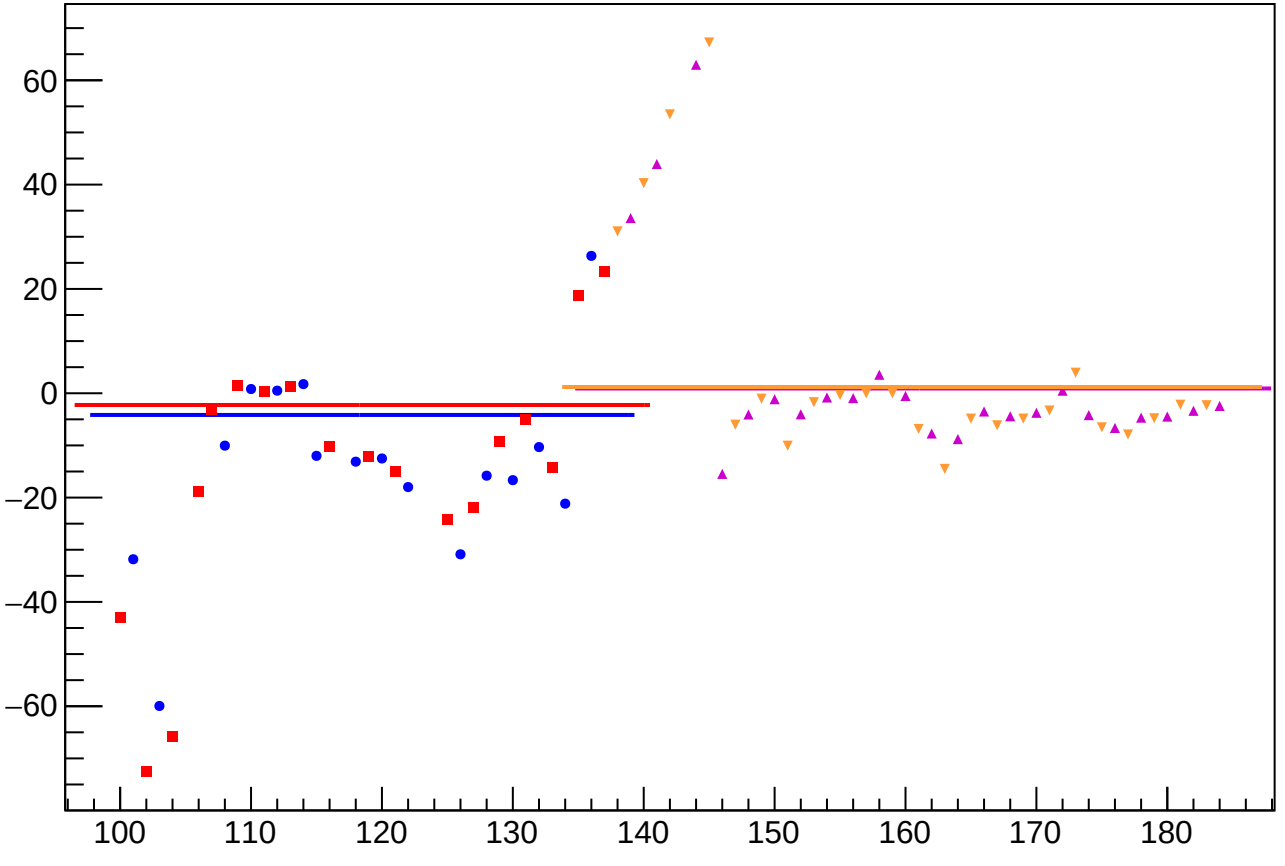
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.027+/-0.000 χ^2/NDF:19123.3/38

Out: -0.025+/-0.001 χ^2/NDF:19150.0/40

All: -0.026+/-0.000 χ^2/NDF: 38276.6/79

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 1.195+/-0.041 χ^2/NDF:130552.0/22

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 1.051+/-0.029 χ^2/NDF: 263392.1/45

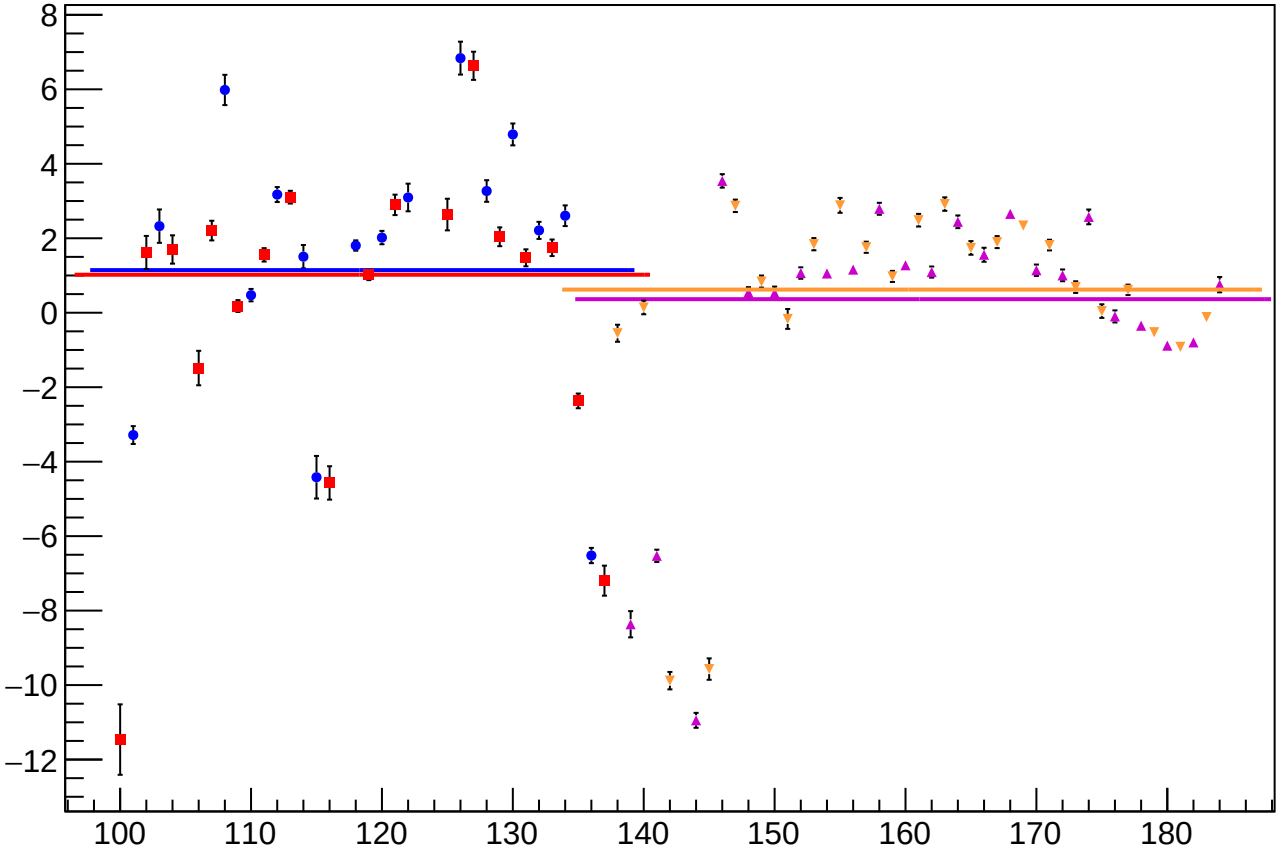
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: -0.854+/-0.032 χ^2/NDF:213908.8/38

Out: -0.334+/-0.031 χ^2/NDF:213317.9/40

All: -0.581+/-0.022 χ^2/NDF: 427364.1/79

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: 0.364+/-0.031 χ^2/NDF:7122.4/22

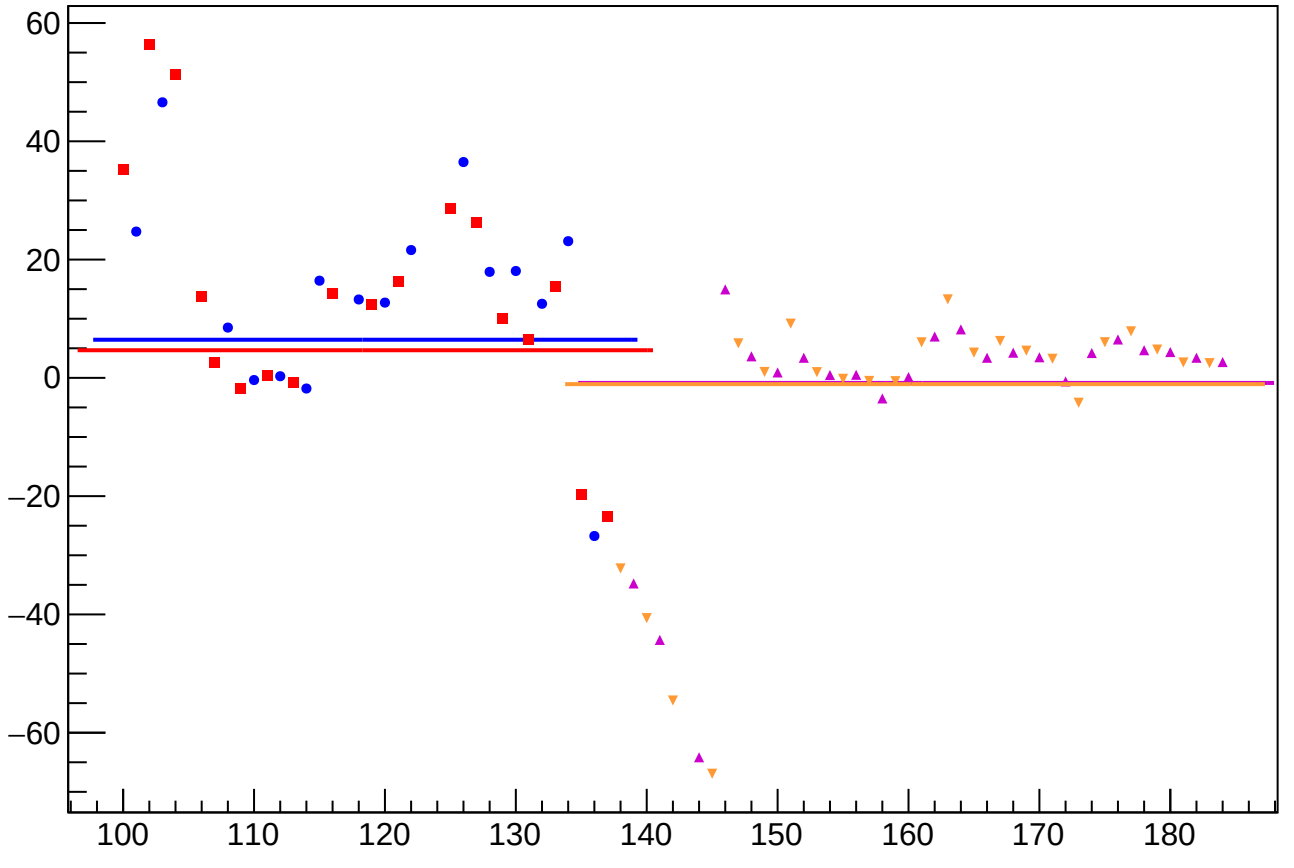
Left: 0.484+/-0.023 χ^2/NDF: 11827.5/45

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.531+/-0.028 χ^2/NDF:9850.1/38

Out: 0.724+/-0.029 χ^2/NDF:6301.2/40

All: 0.623+/-0.020 χ^2/NDF: 16174.5/79



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: -0.858+/-0.039 χ^2/NDF:129490.8/22

Left: -0.955+/-0.028 χ^2/NDF: 255387.7/45

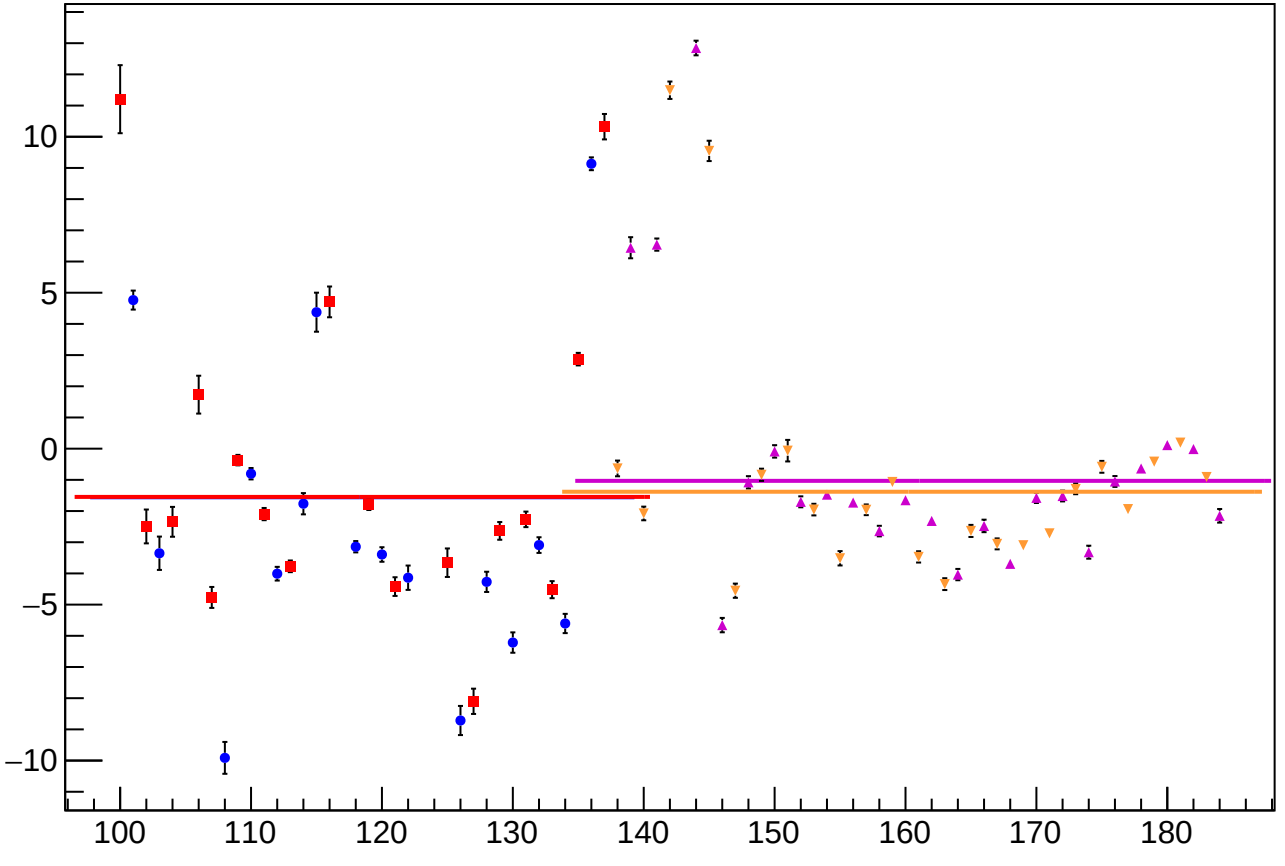
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: 1.096+/-0.034 χ^2/NDF:209591.6/38

Out: 0.803+/-0.034 χ^2/NDF:206672.7/40

All: 0.950+/-0.024 χ^2/NDF: 416302.4/79

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: -1.032+/-0.035 χ^2/NDF:7051.3/22

Left: -1.195+/-0.025 χ^2/NDF: 11681.3/45

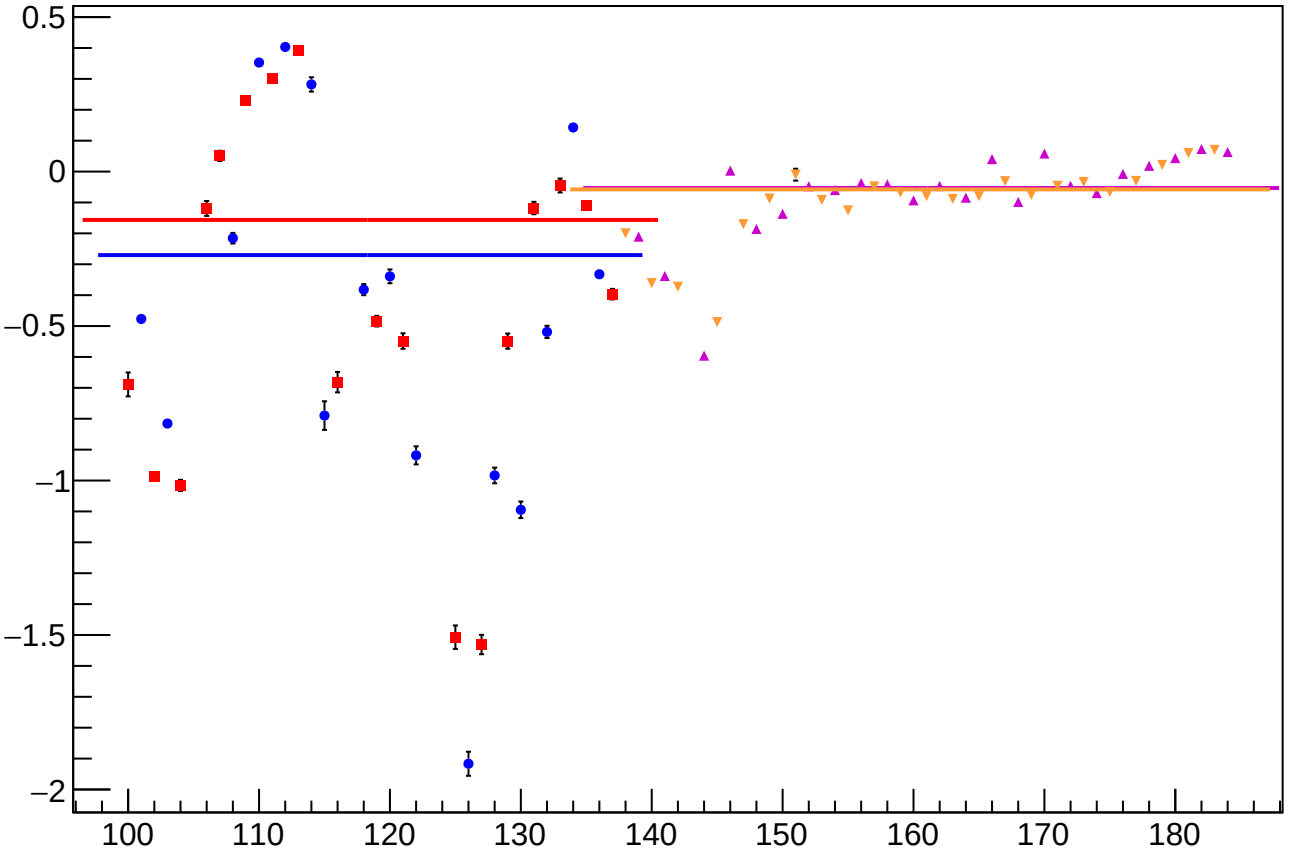
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.138+/-0.031 χ^2/NDF:11640.6/38

Out: -1.422+/-0.032 χ^2/NDF:7057.7/40

All: -1.275+/-0.022 χ^2/NDF: 18738.9/79

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.058+/-0.002 χ^2/NDF:4133.5/22

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

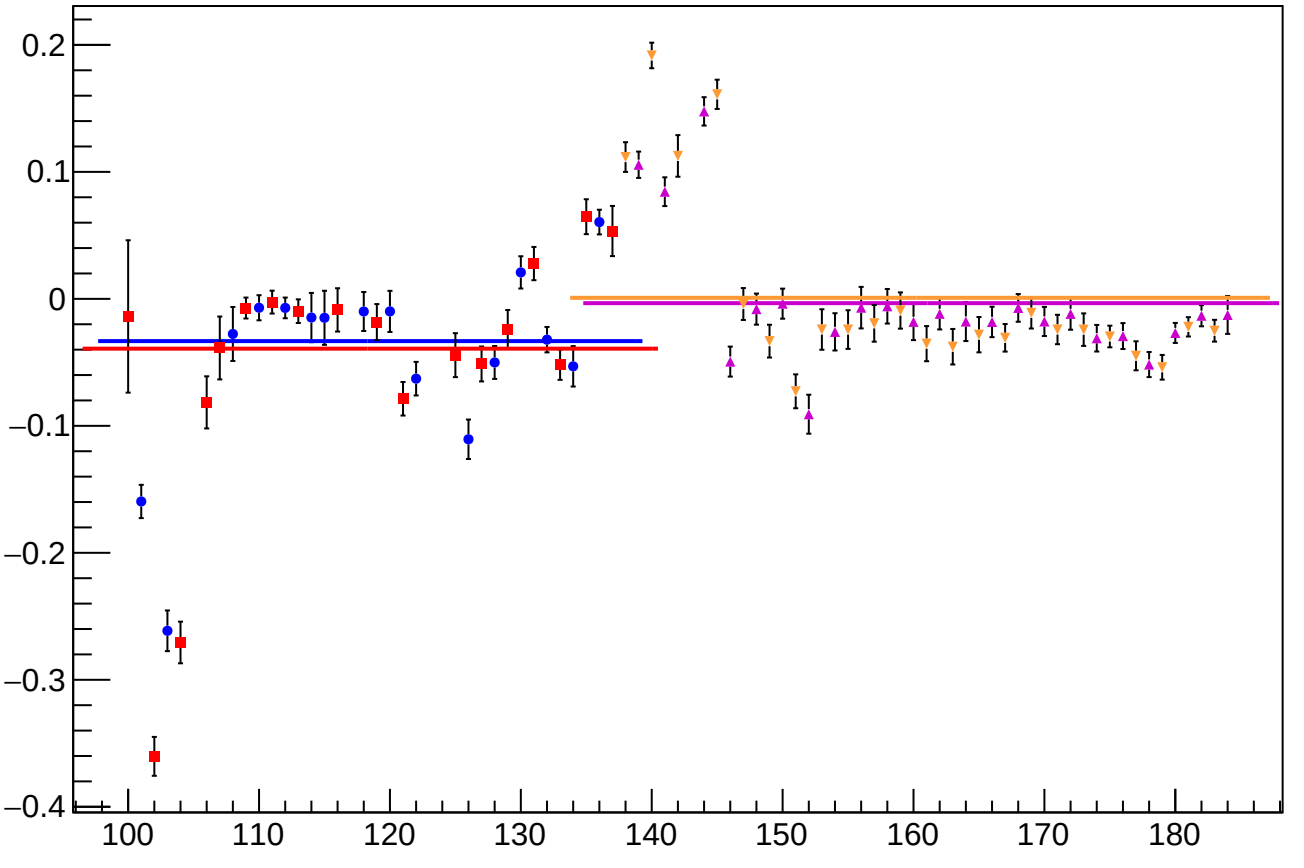
Left: -0.055+/-0.001 χ^2/NDF: 9151.0/45

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.078+/-0.001 χ^2/NDF:19551.5/38

Out: -0.073+/-0.001 χ^2/NDF:19738.4/40

All: -0.076+/-0.001 χ^2/NDF: 39296.2/79



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:457.9/22

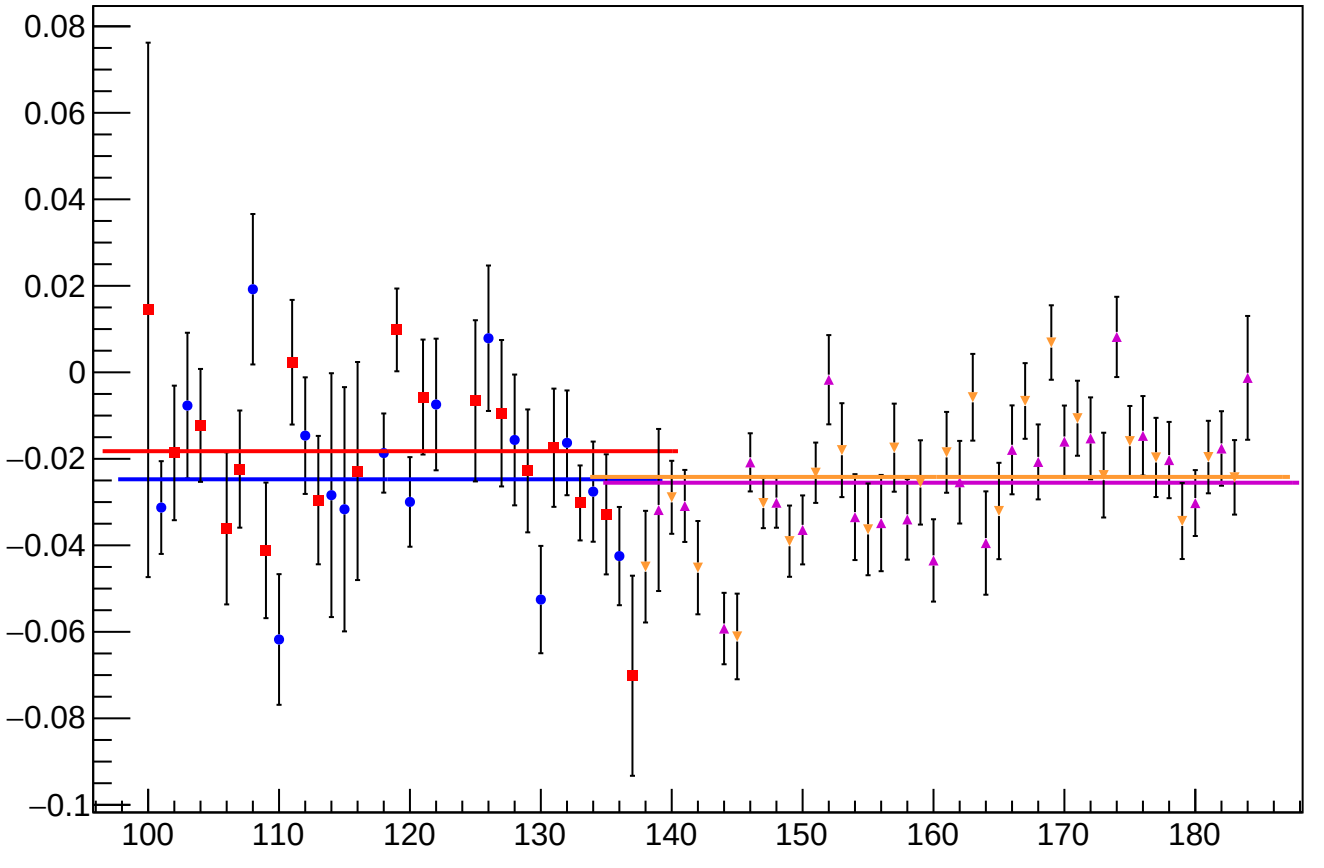
Left: -0.001+/-0.002 χ^2/NDF: 1309.1/45

Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

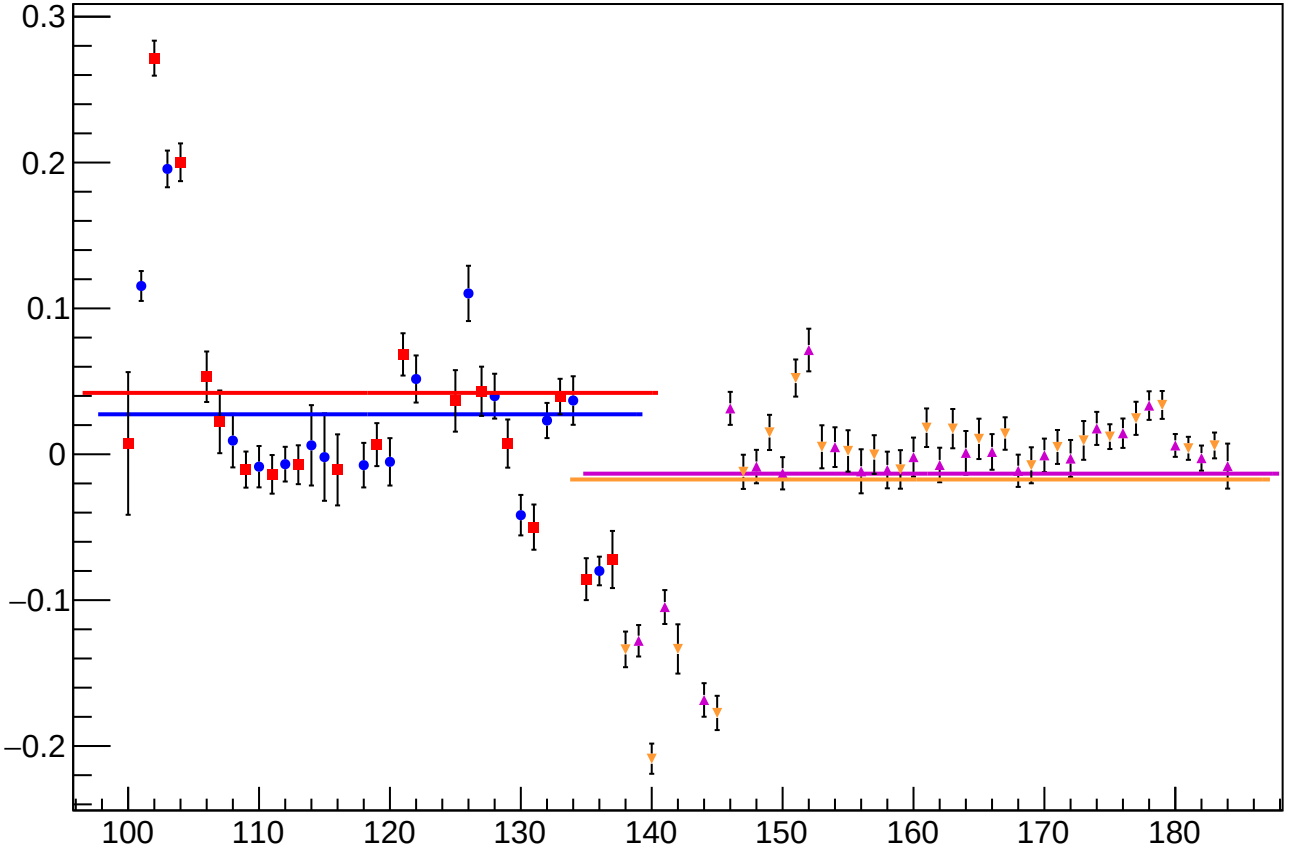
In: -0.014+/-0.002 χ^2/NDF:976.8/38

Out: -0.014+/-0.002 χ^2/NDF:1757.8/40

All: -0.014+/-0.001 χ^2/NDF: 2734.6/79


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
0.08
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: -0.025+/-0.003 χ²/NDF: 28.5/15
Left Out: -0.024+/-0.002 χ²/NDF:53.7/22
Right Out: -0.018+/-0.003 χ²/NDF: 24.7/17
Left In: -0.026+/-0.002 χ²/NDF:55.0/22
Left: -0.025+/-0.001 χ²/NDF: 108.9/45
Right: -0.022+/-0.002 χ²/NDF: 55.1/33
In: -0.025+/-0.002 χ²/NDF:83.6/38
Out: -0.023+/-0.002 χ²/NDF:80.7/40
All: -0.024+/-0.001 χ²/NDF: 165.5/79

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:458.6/22

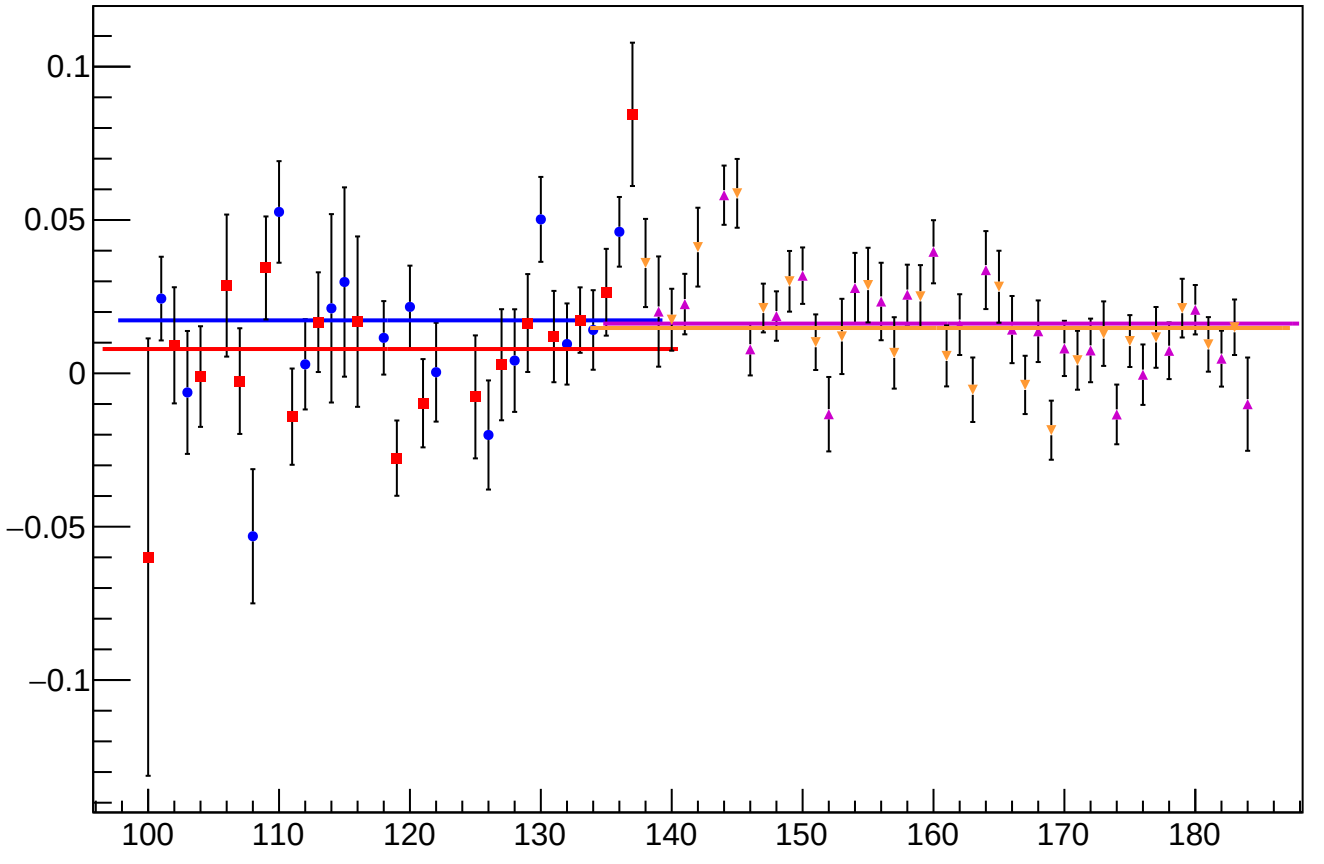
Left: -0.015+/-0.002 χ^2/NDF: 1271.8/45

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.001+/-0.002 χ^2/NDF:994.4/38

Out: 0.001+/-0.002 χ^2/NDF:1730.5/40

All: -0.000+/-0.001 χ^2/NDF: 2725.2/79



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:51.9/22

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

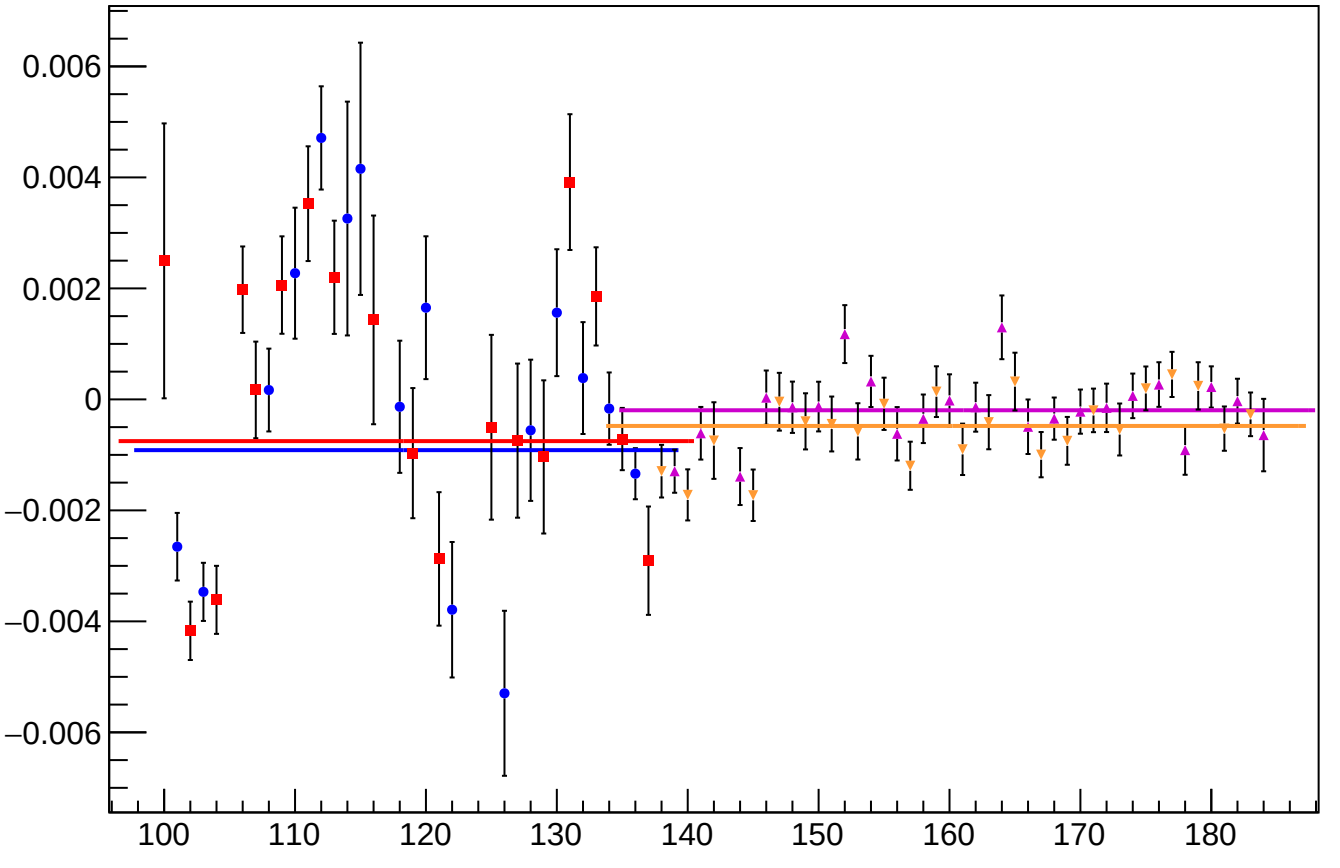
Left: 0.016+/-0.001 χ^2/NDF: 110.2/45

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.016+/-0.002 χ^2/NDF:94.7/38

Out: 0.013+/-0.002 χ^2/NDF:85.7/40

All: 0.015+/-0.001 χ^2/NDF: 181.9/79



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:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.5/45

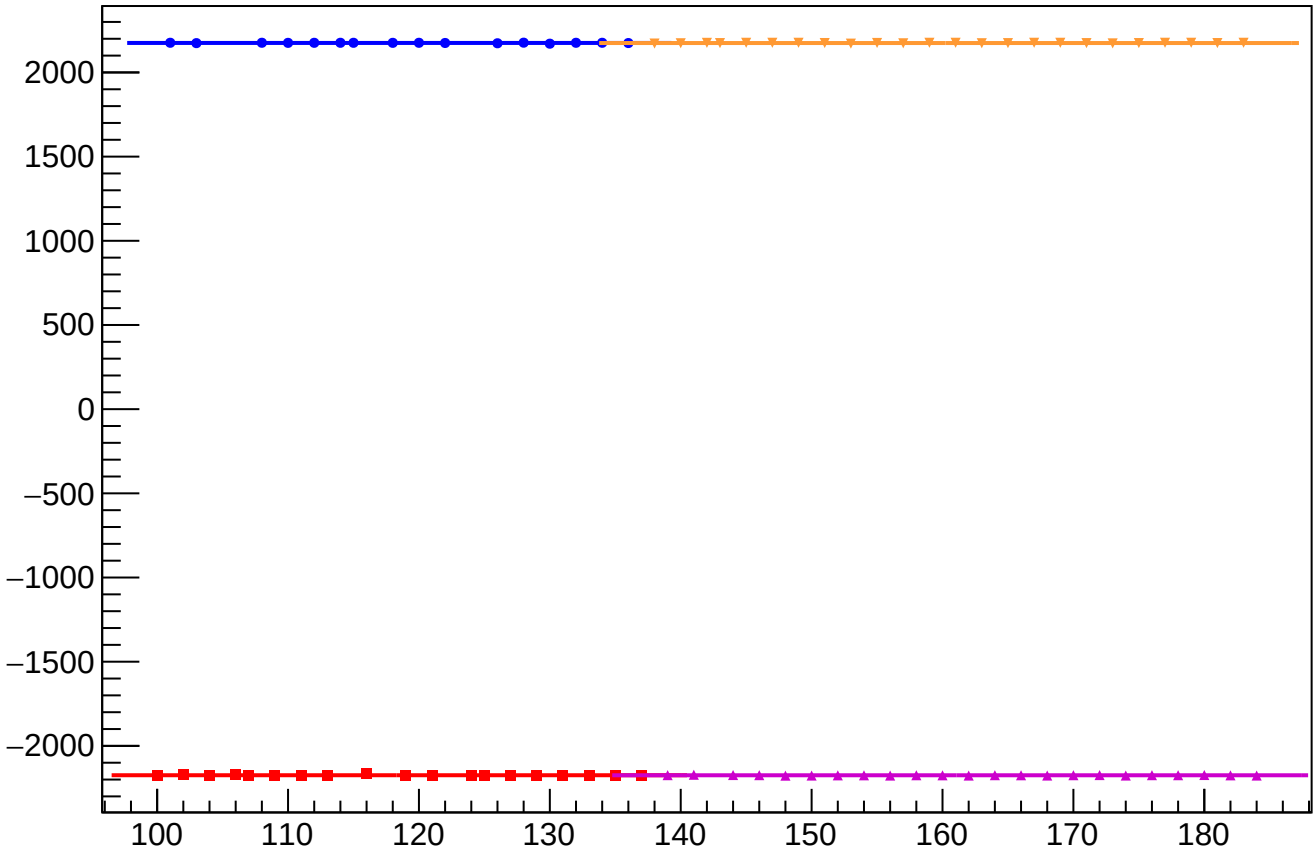
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:160.9/38

Out: -0.001+/-0.000 χ^2/NDF:189.7/40

All: -0.000+/-0.000 χ^2/NDF: 353.6/79

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: -2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22

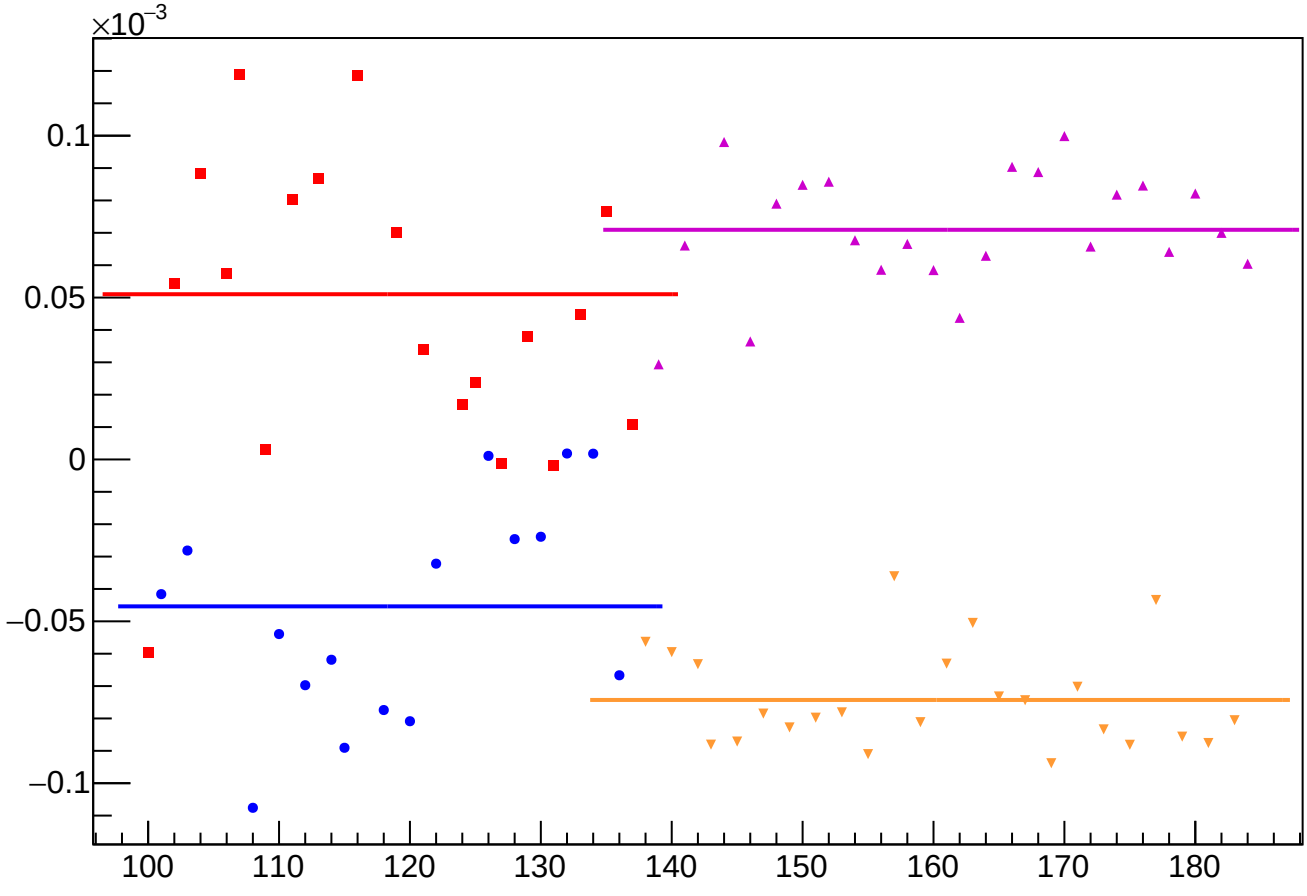
Left: 47.490+/-0.000 χ^2/NDF: 18420230230596518

Right: -31.373+/-0.000 χ^2/NDF: 7111791049076111

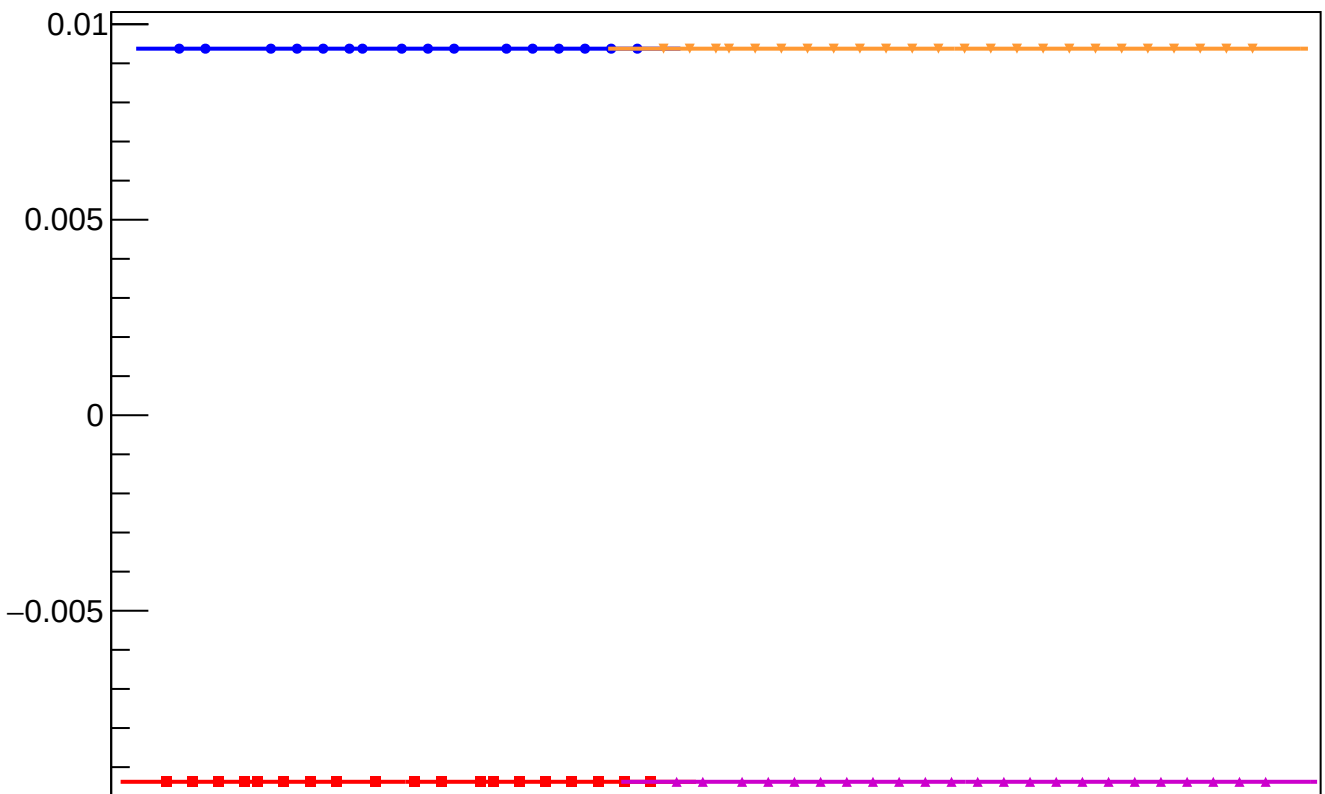
In: -956.899+/-0.000 χ^2/NDF:1009533477137274

Out: 969.788+/-0.000 χ^2/NDF:1043310771979833

All: 25.530+/-0.000 χ^2/NDF: 255387705482


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: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
Left: -0.000+/-0.000 χ²/NDF: 216379371962074550
Right: 0.000+/-0.000 χ²/NDF: 521935687334018490
In: 0.000+/-0.000 χ²/NDF:856262858819397420
Out: -0.000+/-0.000 χ²/NDF:101454758438774460
All: -0.000+/-0.000 χ²/NDF: 269073716377

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:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 342346817263278289

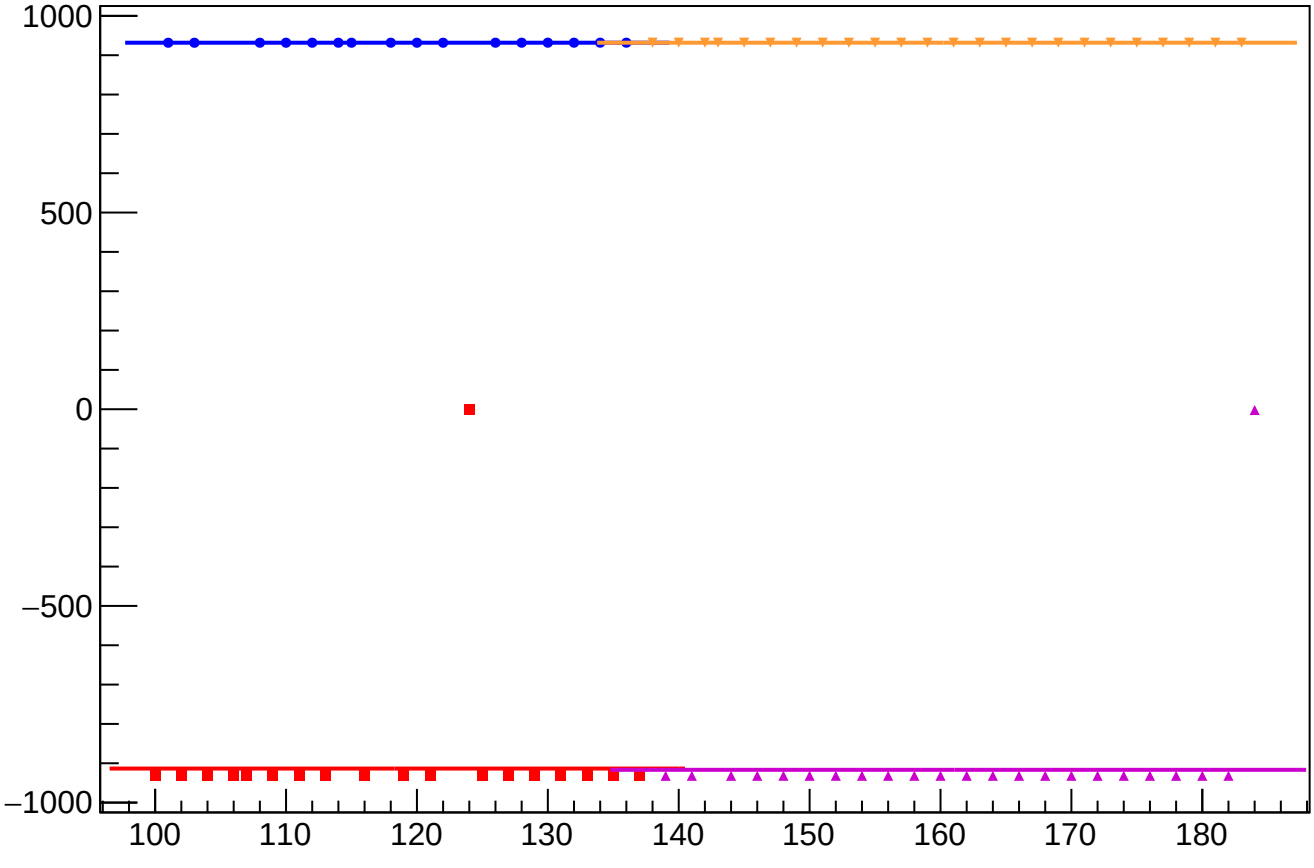
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:18758137159992398

Out: 0.004+/-0.000 χ^2/NDF:193925270629084562

All: 0.000+/-0.000 χ^2/NDF: 4746326779762

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:42214038033346576746692875386880/23

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -916.654+/-0.000 χ^2/NDF:26369744931183548073785664842185572352.0/22

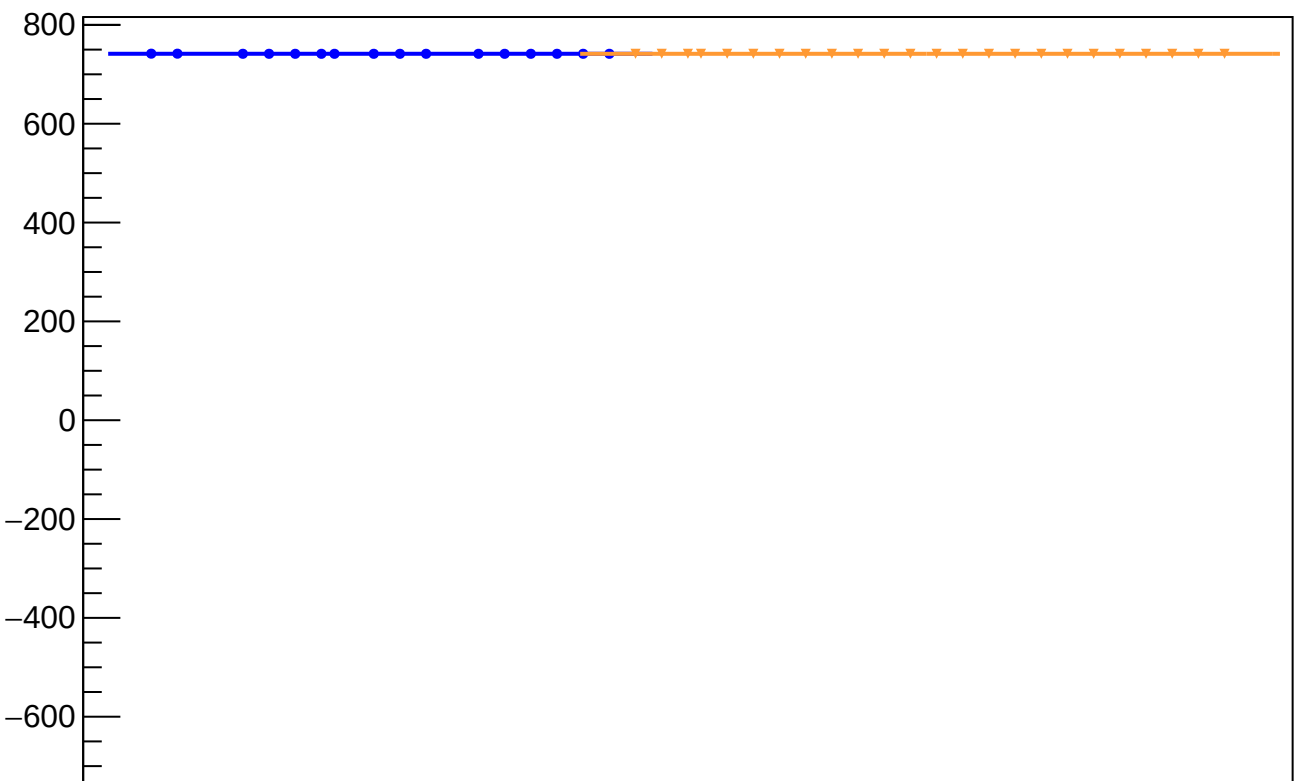
Left: 27.724+/-0.000 χ^2/NDF: 3353534289123479

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -399.207+/-0.000 χ^2/NDF:1849383957920905

Out: 420.561+/-0.000 χ^2/NDF:1890931804114376

All: 18.797+/-0.000 χ^2/NDF: 4647354728931



Left: 16.174+/-0.000 χ^2/NDF: 2141710772299086

Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

Left Out: 741.513+/-0.000 χ^2/NDF:2364812158379302251068118794 24.0/23

In: -326.339+/-0.000 χ^2/NDF:1173592050889762

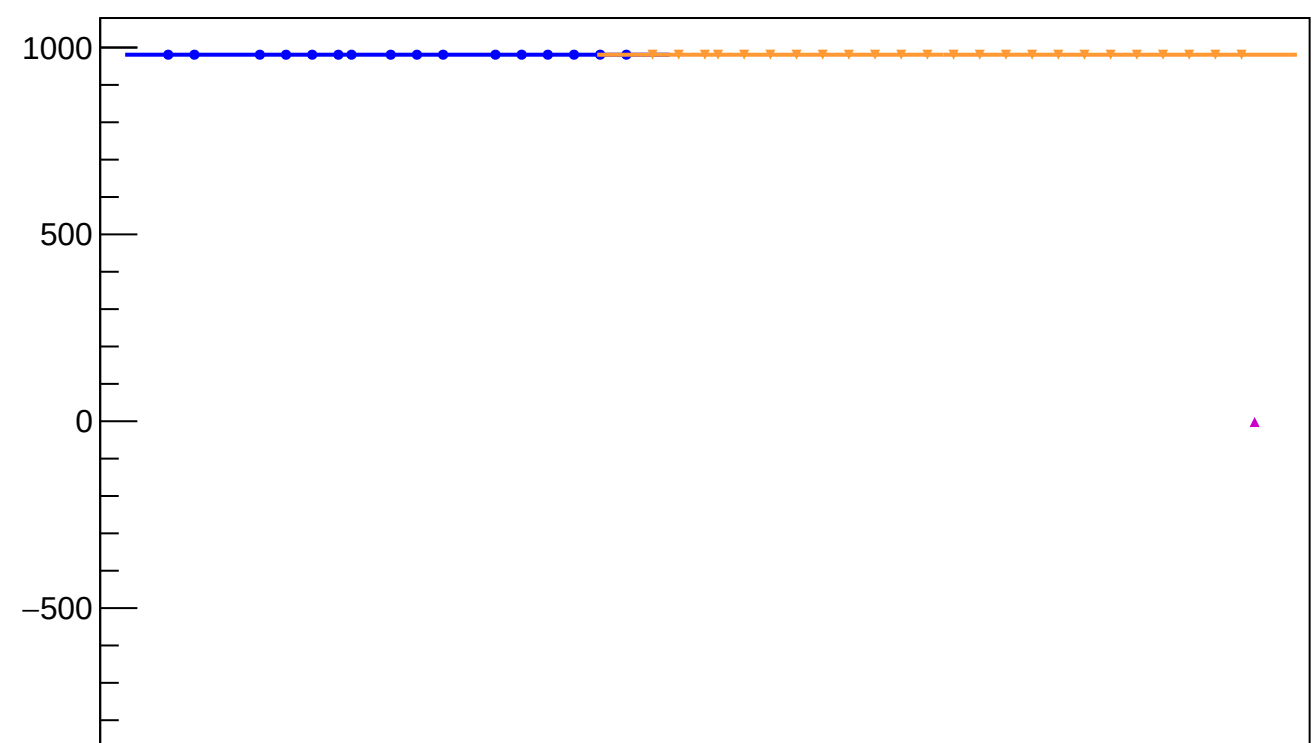
Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

Out: 330.620+/-0.000 χ^2/NDF:1213295330609286

Left In: -741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

All: 8.648+/-0.000 χ^2/NDF: 2969421446871

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.768+/-0.000 χ^2/NDF:7857866638142249259360269107200.0/23

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 29.176+/-0.000 χ^2/NDF: 37154329342934373

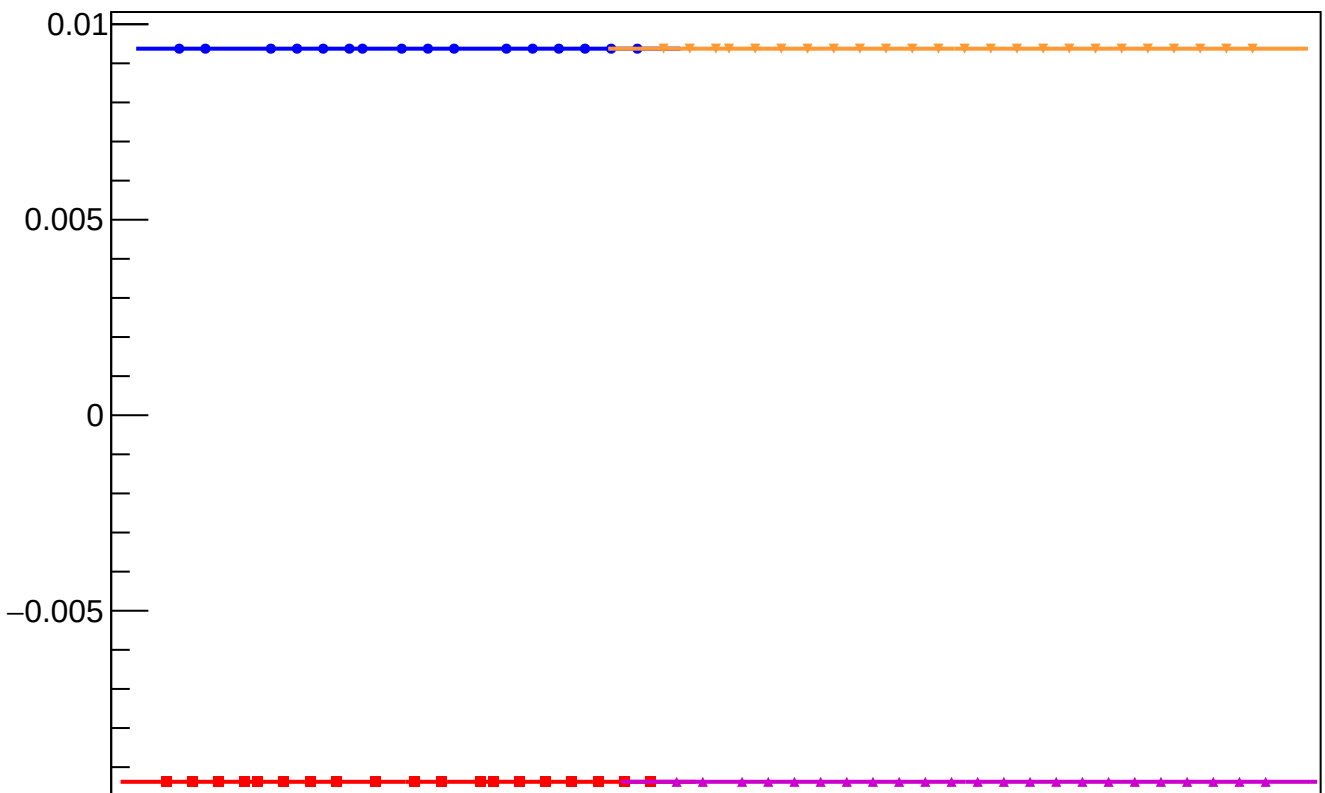
Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

In: -420.187+/-0.000 χ^2/NDF:2049070633635446

Out: 437.334+/-0.000 χ^2/NDF:2122293573394001

All: 17.067+/-0.000 χ^2/NDF: 5163870733601

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:0.1/22

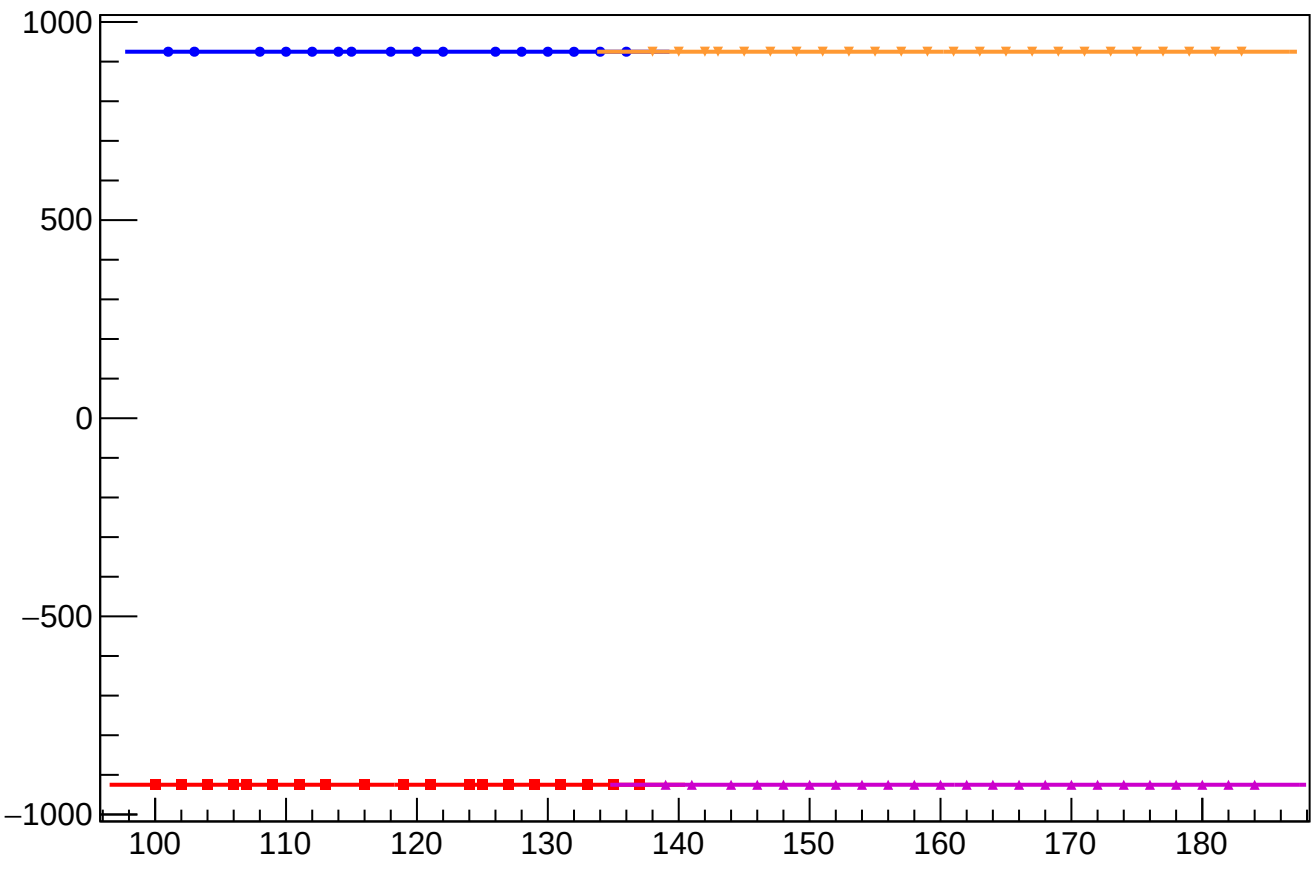
Left: 0.000+/-0.000 χ^2/NDF: 342346817263278289

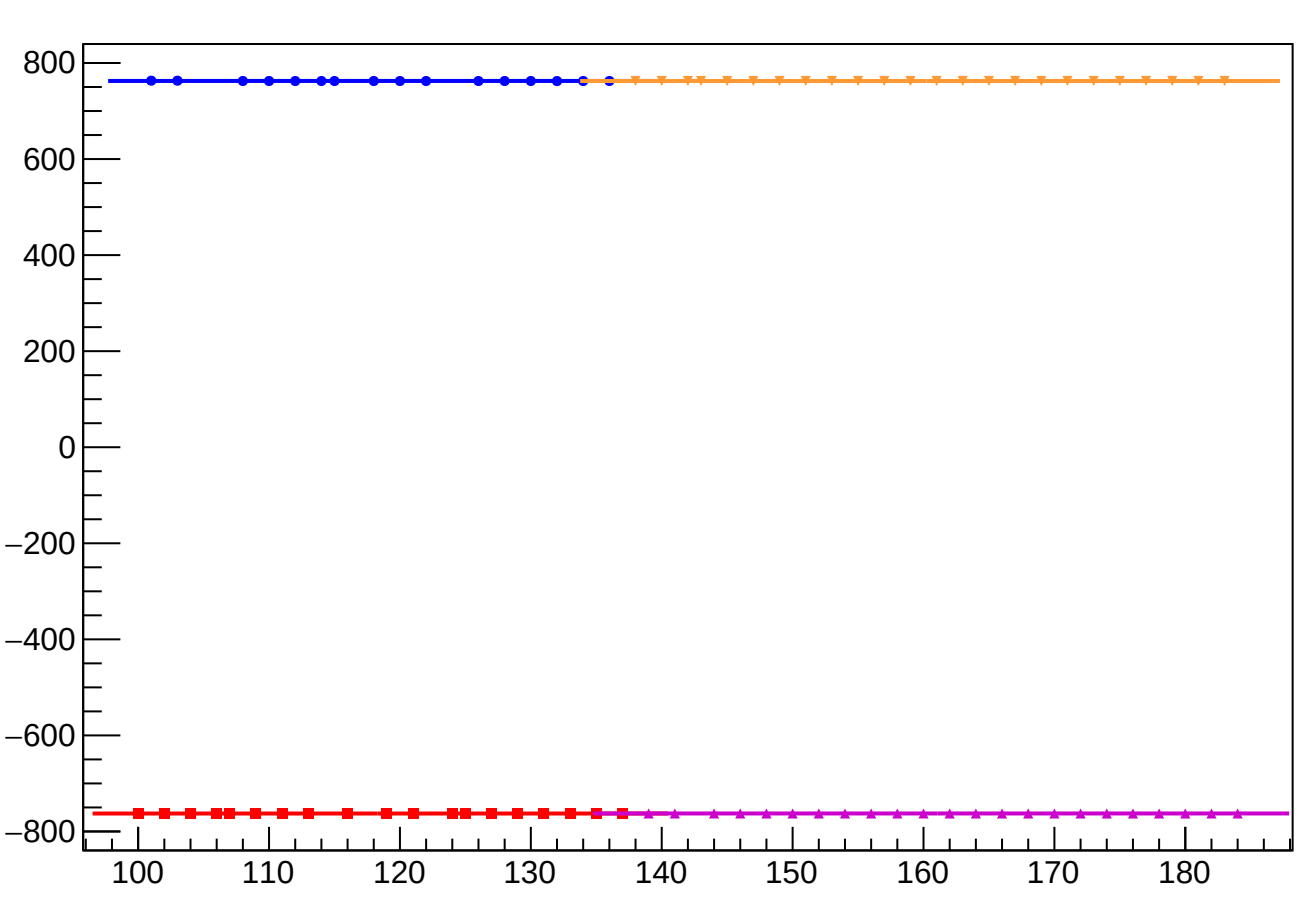
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

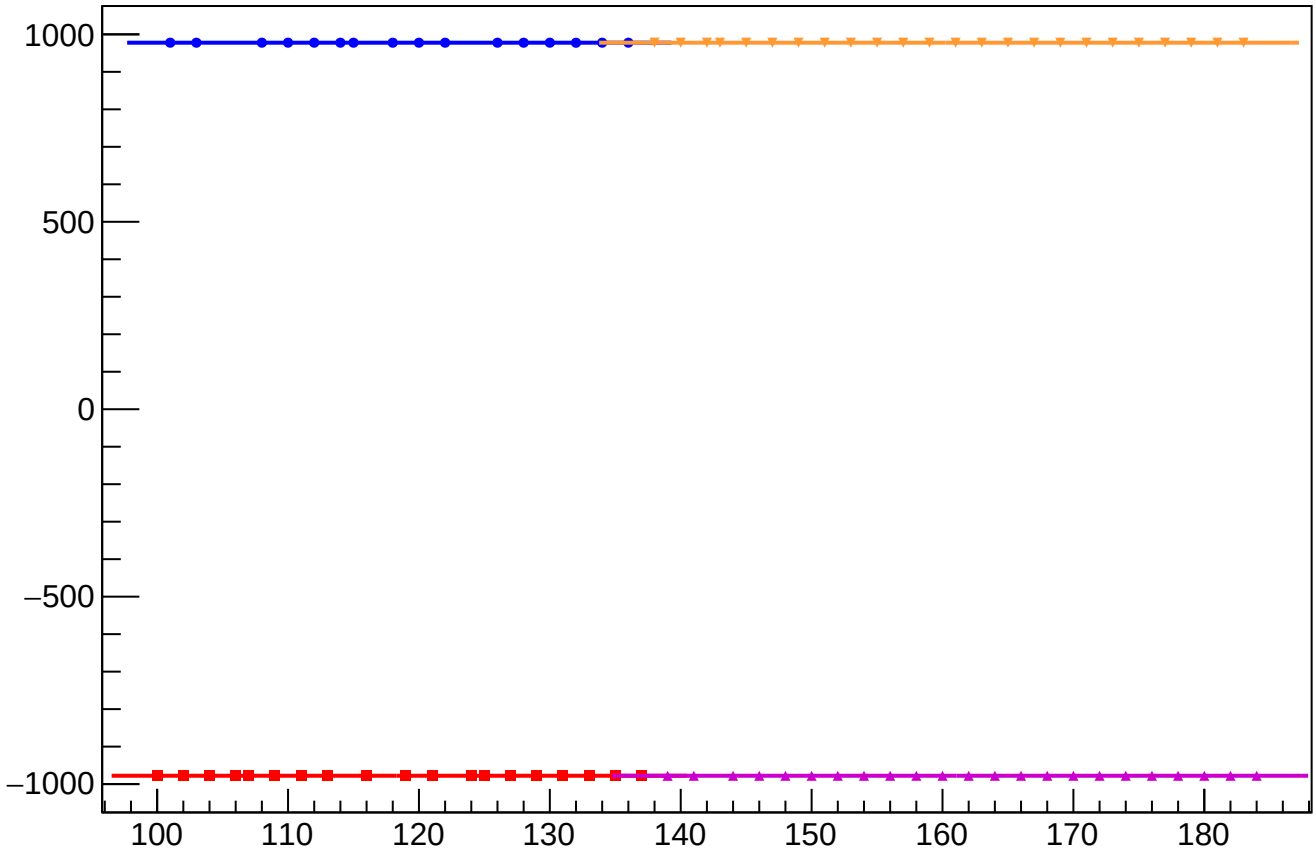
In: -0.004+/-0.000 χ^2/NDF:18758137159992398

Out: 0.004+/-0.000 χ^2/NDF:193925270629084562

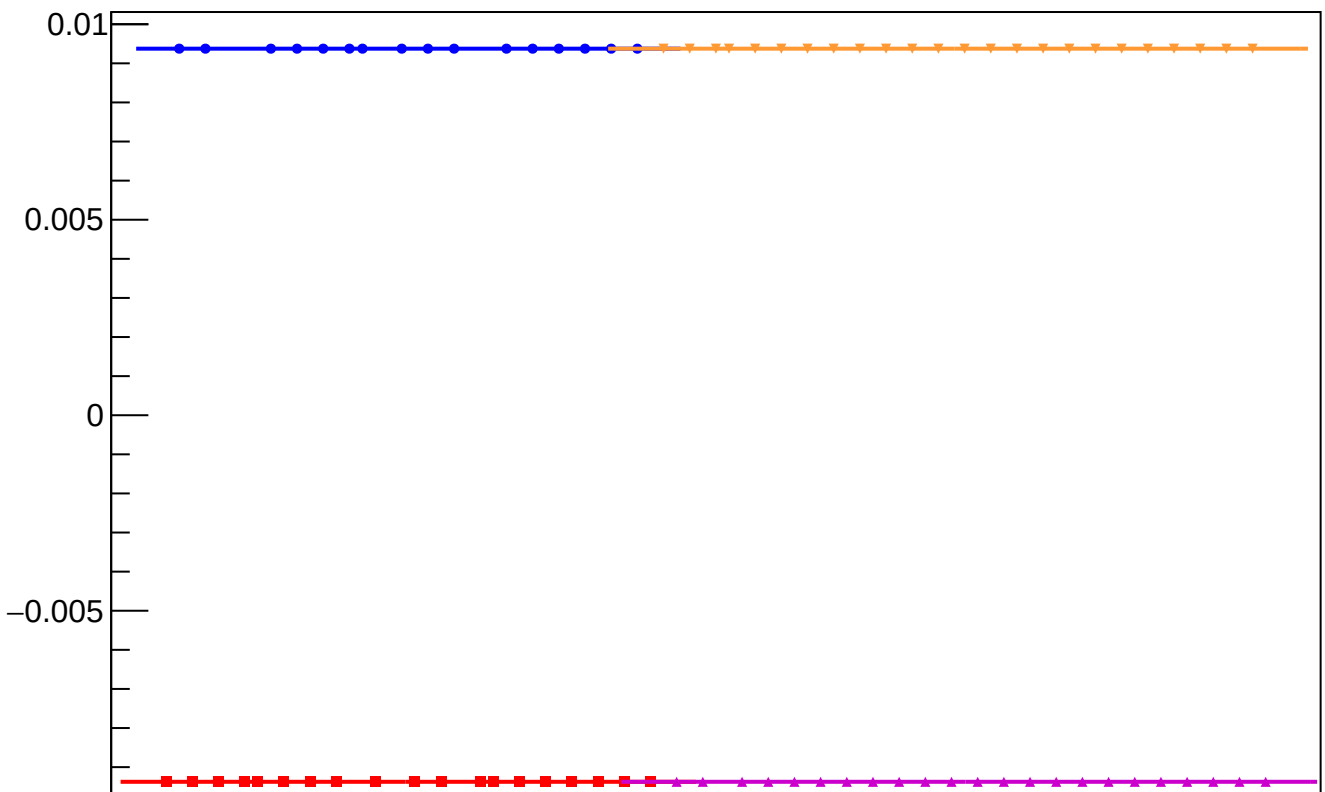
All: 0.000+/-0.000 χ^2/NDF: 4746326779762


HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: 924.966+/-0.000 χ²/NDF: 254437050808765880053303712153 6.0/15
Left Out: 924.983+/-0.000 χ²/NDF:1142324810783897606099600146432.0/23
Right Out: -924.974+/-0.000 χ²/NDF: 124198152111689090023635183206 4.0/18
Left In: -924.983+/-0.000 χ²/NDF:92827030718158770136834847539 2.0/22
Left: 20.175+/-0.000 χ²/NDF: 33326616753061462
Right: -13.534+/-0.000 χ²/NDF: 128650155911450
In: -407.109+/-0.000 χ²/NDF:1826025257464352
Out: 412.449+/-0.000 χ²/NDF:188779629078843
All: 10.788+/-0.000 χ²/NDF: 4620396359481


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
Right In: 762.611+/-0.000 χ²/NDF: 52161453489138778834460408283136.0/15
Left Out: 762.518+/-0.000 χ²/NDF:760306655191977397488308977664.0/23
Right Out: -762.618+/-0.000 χ²/NDF: 53134338532630395841297843748864.0/18
Left In: -762.519+/-0.000 χ²/NDF:67064753778125939445211961753 6.0/22
Left: 16.631+/-0.000 χ²/NDF: 22647714933574309
Right: -11.159+/-0.000 χ²/NDF: 8745102746392638
In: -335.575+/-0.000 χ²/NDF:1241082286865266
Out: 339.977+/-0.000 χ²/NDF:1283066250309334
All: 8.893+/-0.000 χ²/NDF: 3140119863094


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:109676643760541725462707254067 2.0/22
Left: 21.327+/-0.000 χ²/NDF: 372363649022787
Right: -14.301+/-0.000 χ²/NDF: 143750377983115
In: -430.318+/-0.000 χ²/NDF:2040308724168726
Out: 435.967+/-0.000 χ²/NDF:210931164860637
All: 11.406+/-0.000 χ²/NDF: 516251778607

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/23

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

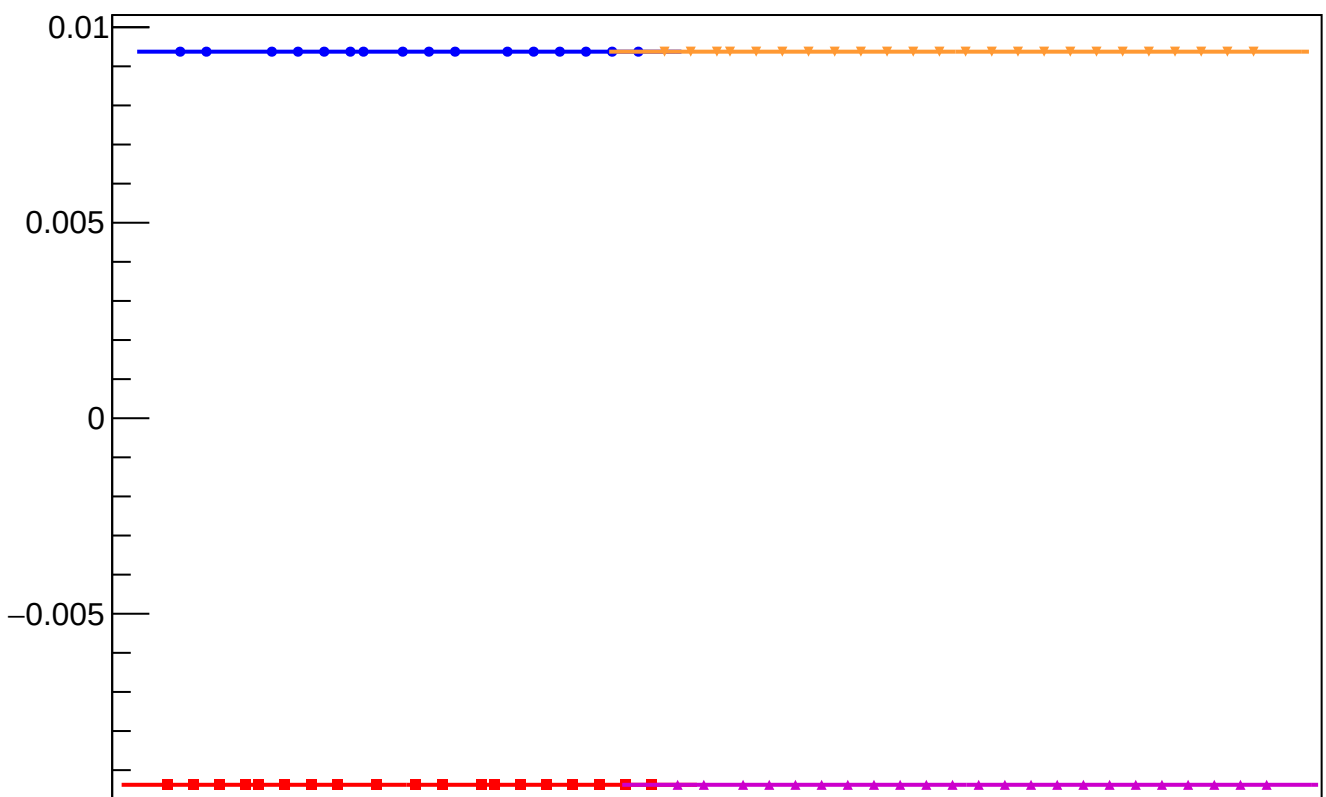
Left: 0.000+/-0.000 χ^2/NDF: 342346817263278289

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:18758137159992398

Out: 0.004+/-0.000 χ^2/NDF:193925270629084562

All: 0.000+/-0.000 χ^2/NDF: 4746326779762



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:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 342346817263278289

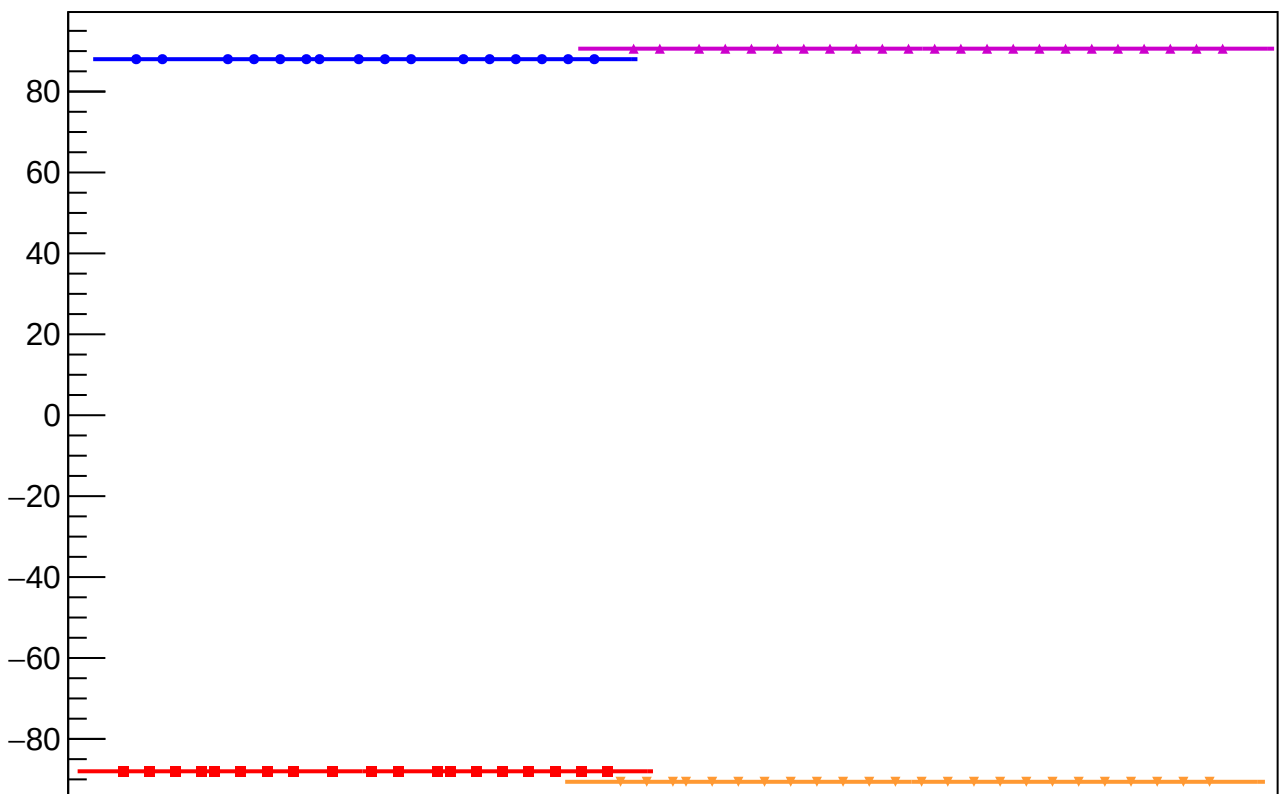
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:18758137159992398

Out: 0.004+/-0.000 χ^2/NDF:193925270629084562

All: 0.000+/-0.000 χ^2/NDF: 4746326779762

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:7520558.1/22

Left: -1.976+/-0.000 χ^2/NDF: 31972264436579761

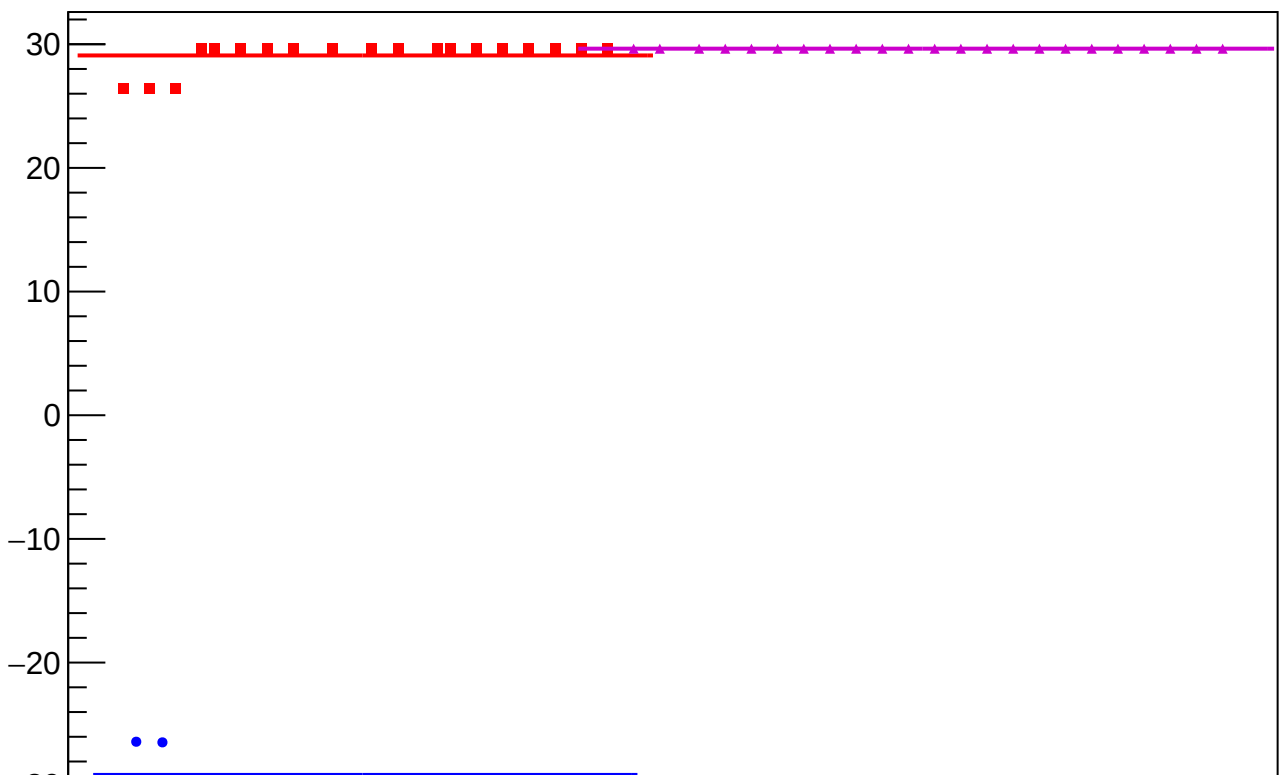
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.872+/-0.000 χ^2/NDF:360299734523724980

Out: -89.880+/-0.000 χ^2/NDF:3717175179027087

All: -1.785+/-0.000 χ^2/NDF: 4361780519165

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:290780.4/22

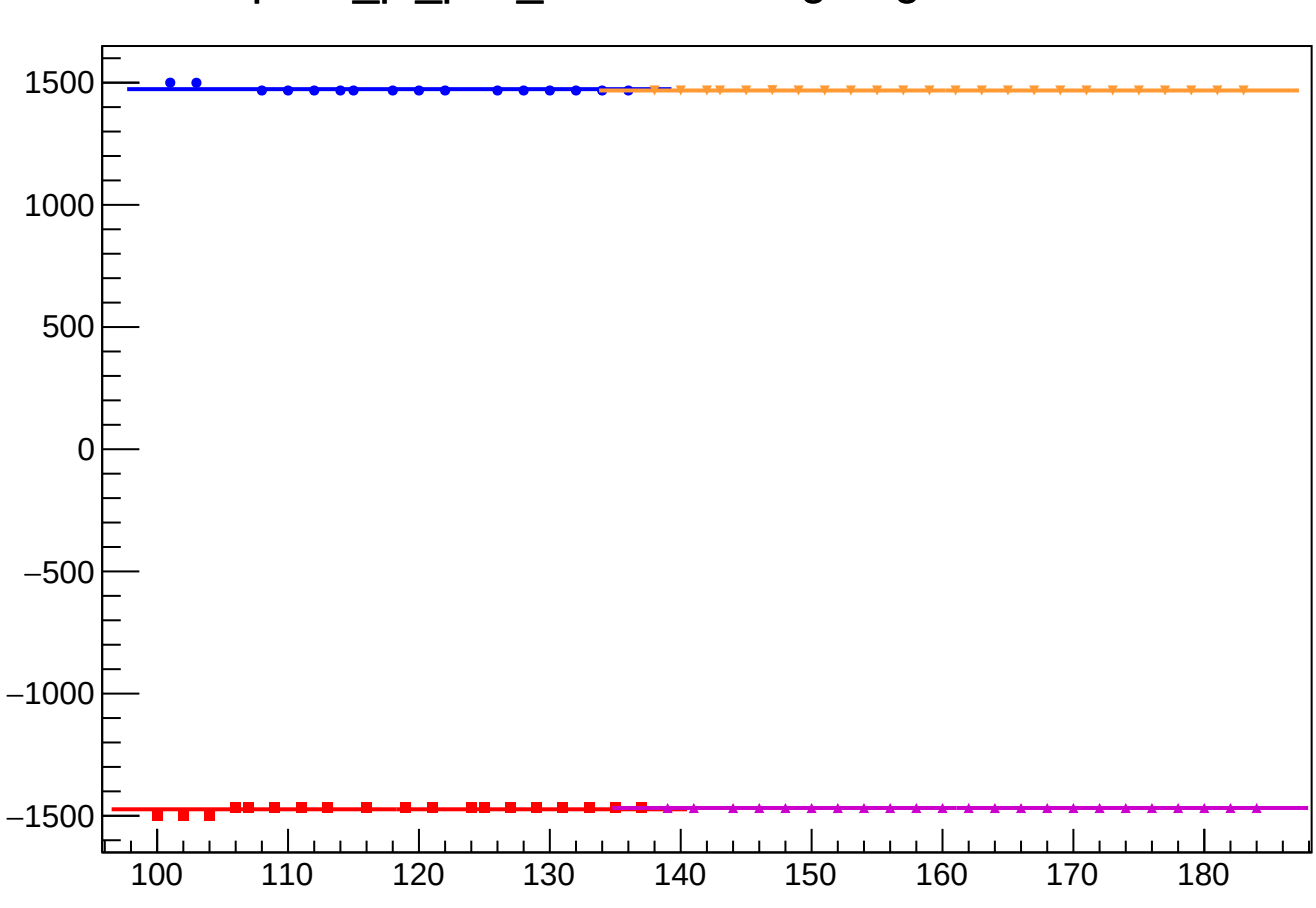
Left: -0.647+/-0.000 χ^2/NDF: 34221634223685299

Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

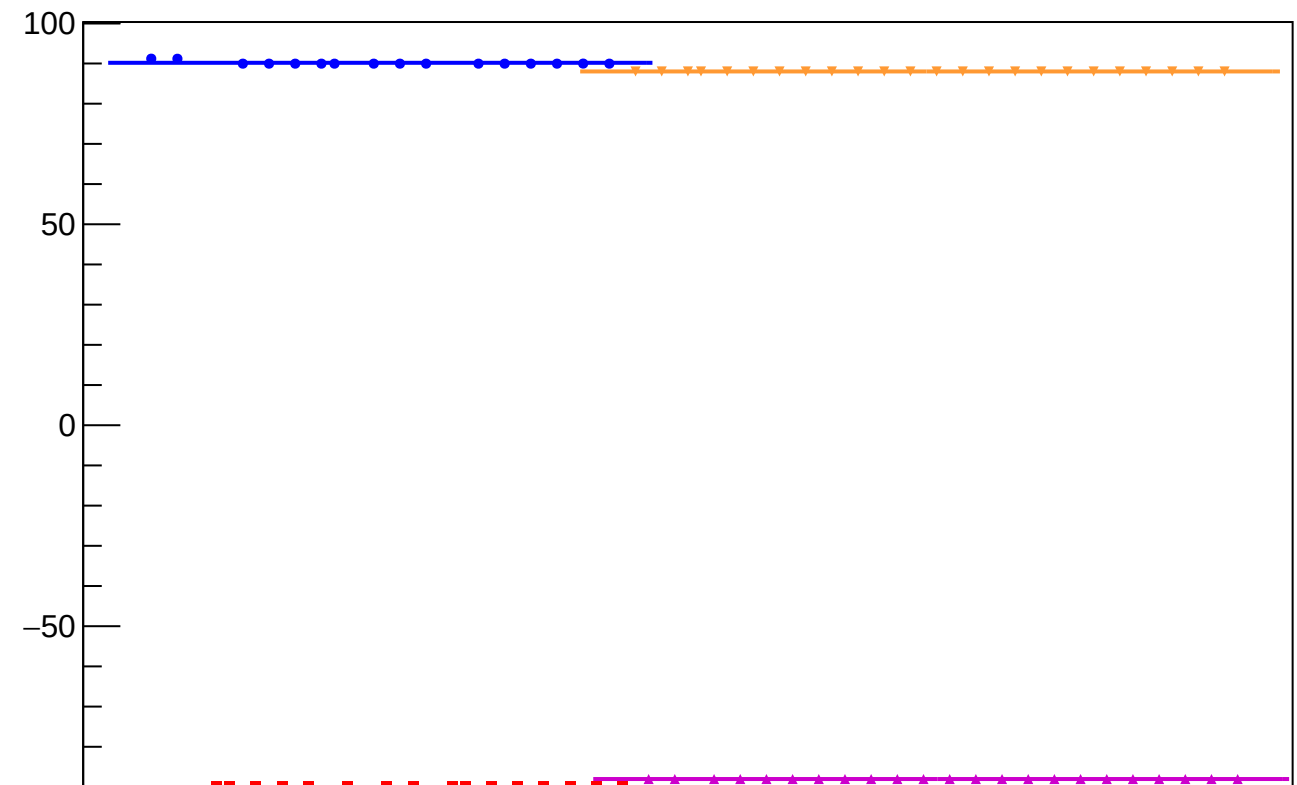
In: 13.201+/-0.000 χ^2/NDF:184122867429016155

Out: -13.368+/-0.000 χ^2/NDF:1903979020331796

All: -0.347+/-0.000 χ^2/NDF: 4698020058779


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
Right In: 1473.467+/-0.000 χ²/NDF: 10689419486070617687848579370477158 4.0/15
Left Out: 1468.051+/-0.000 χ²/NDF:139486331224158694564705909866496.0/23
Right Out: -1473.393+/-0.000 χ²/NDF: 109909499733401078761067843300622336.0/18
Left In: -1467.994+/-0.000 χ²/NDF:155493808986096753755224539136.0/22
Left: 32.049+/-0.000 χ²/NDF: 83943896478589348
Right: -21.516+/-0.000 χ²/NDF: 3264697385914600
In: -644.562+/-0.000 χ²/NDF:4616612448264523
Out: 653.119+/-0.000 χ²/NDF:4772689259264231
All: 17.133+/-0.000 χ²/NDF: 116622006008

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:7159272.4/22

Left: 1.920+/-0.000 χ^2/NDF: 301782053073205004

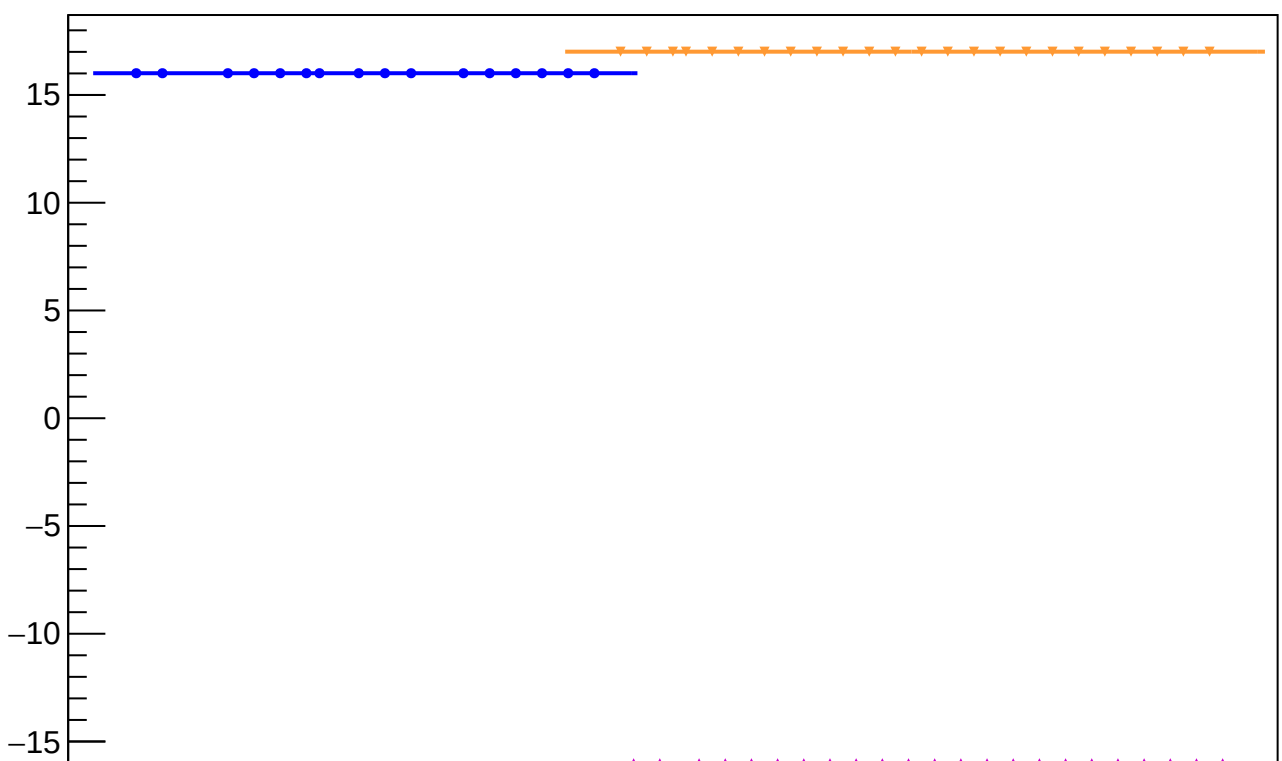
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -38.137+/-0.000 χ^2/NDF:16942394386783015

Out: 38.653+/-0.000 χ^2/NDF:1751462646747955

All: 1.018+/-0.000 χ^2/NDF: 42415980472751

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:12468791216706352368844 8.0/22

Left: 0.847+/-0.000 χ^2/NDF: 984587514200156828

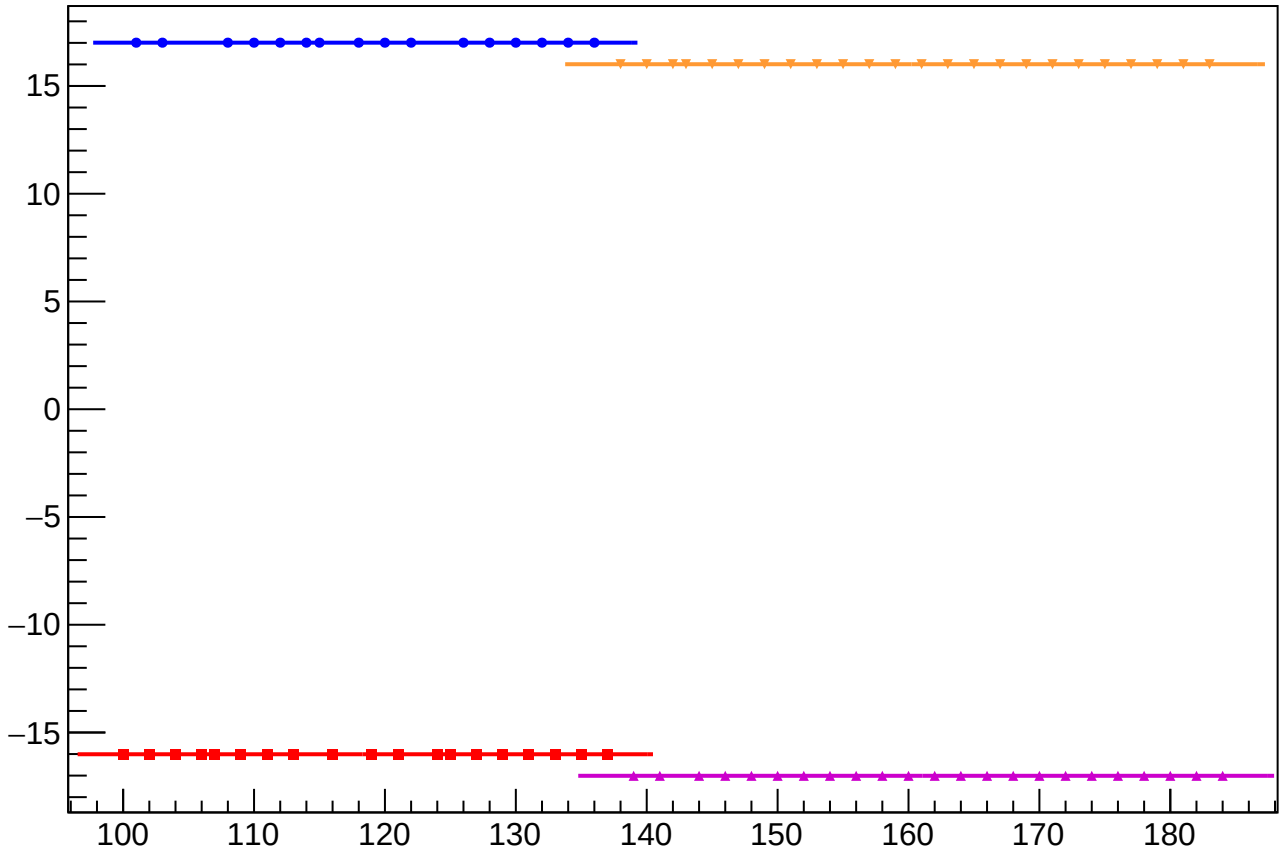
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -6.913+/-0.000 χ^2/NDF:515229710118057438

Out: 7.721+/-0.000 χ^2/NDF:583001314135530469

All: 0.502+/-0.000 χ^2/NDF: 1366339065685

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:11100710442088156626944O.0/22

Left: -0.047+/-0.000 χ^2/NDF: 10417537252185491

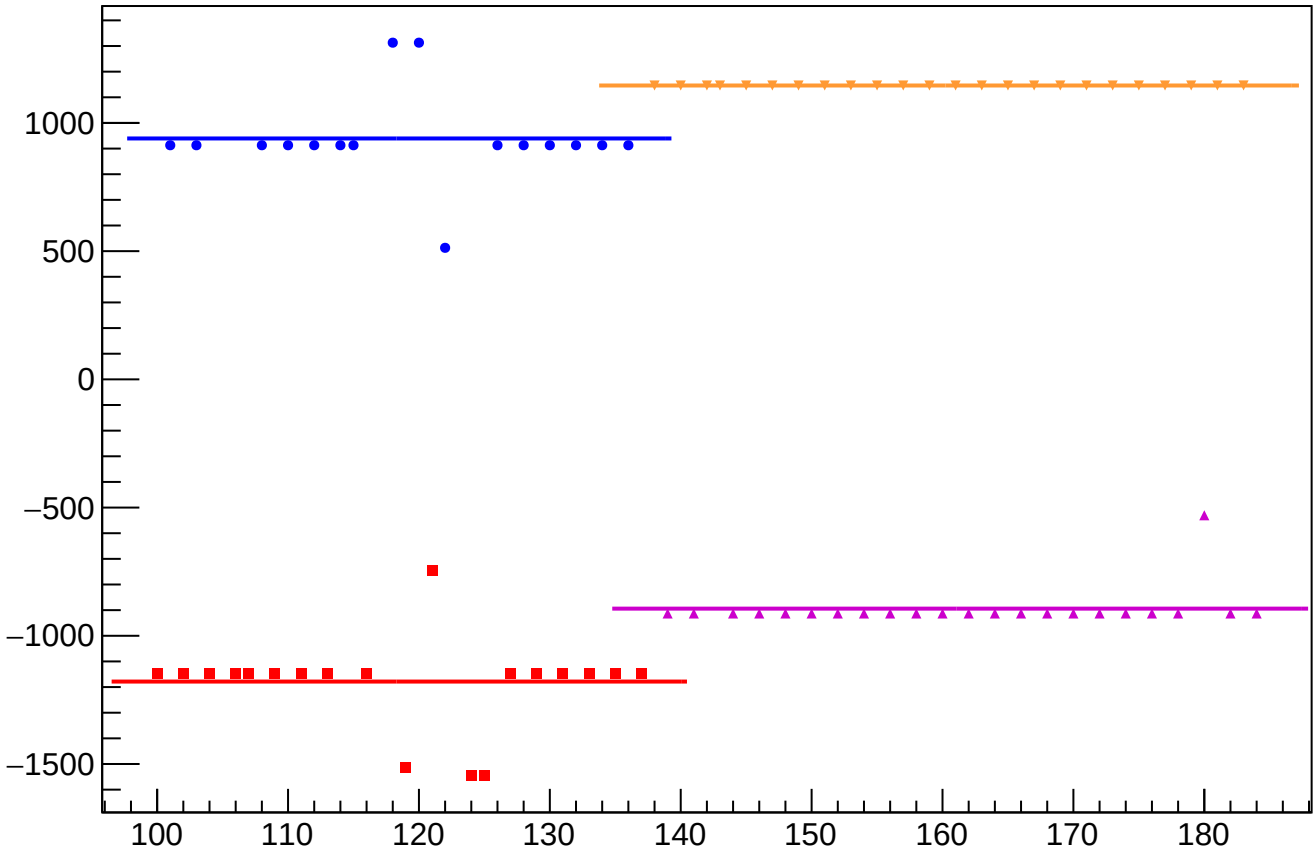
Right: -0.086+/-0.000 χ^2/NDF: 3990694435474134

In: -7.640+/-0.000 χ^2/NDF:592847714254637414

Out: 7.088+/-0.000 χ^2/NDF:561313849814853716

All: -0.058+/-0.000 χ^2/NDF: 1440824763737

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 148.206+/-0.000 χ^2/NDF: 4066122103801134

Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

Left Out: 1146.020+/-0.000 χ^2/NDF:37030061775351332192195643965440.0/23

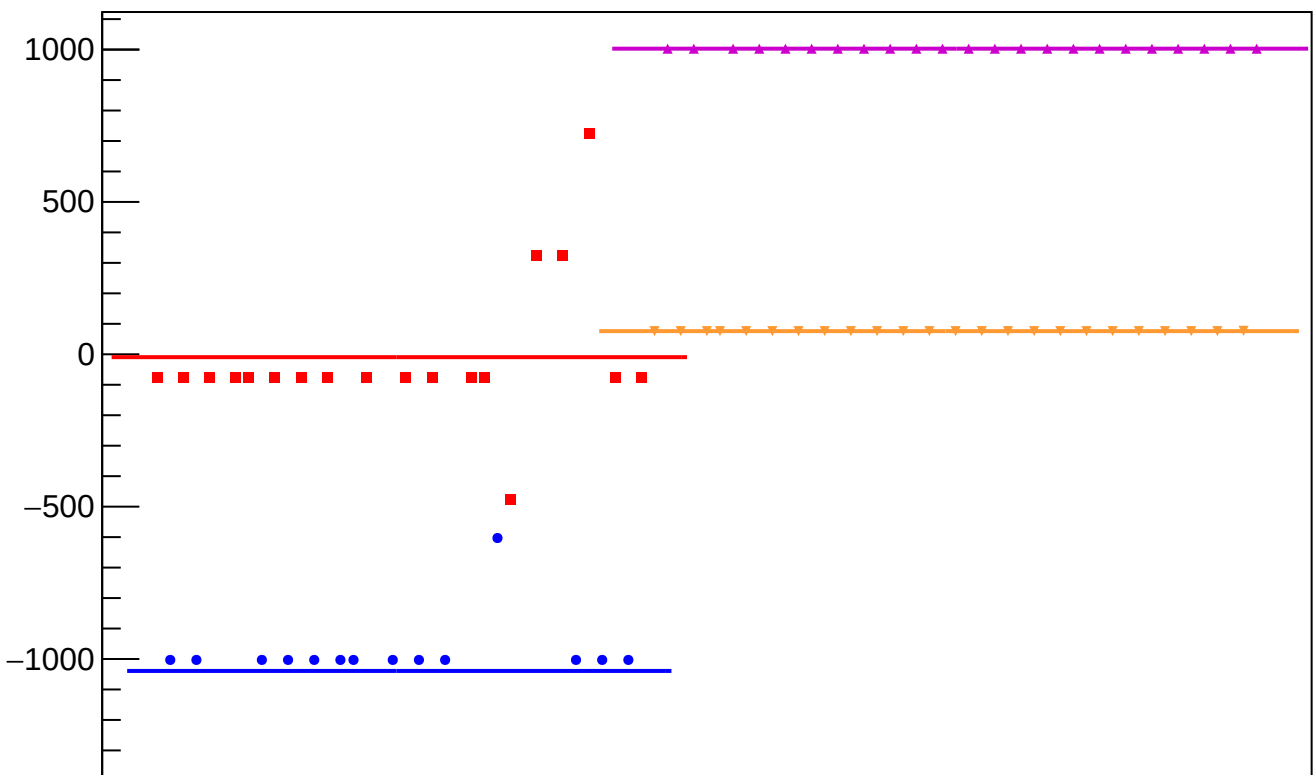
In: -380.823+/-0.000 χ^2/NDF:1827990643618559

Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

Out: 502.005+/-0.000 χ^2/NDF:3002737947322137

Left In: -894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

All: 69.336+/-0.000 χ^2/NDF: 5882679372307



Left: 529.413+/-0.000 χ^2/NDF: 836688548420099

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.053+/-0.000 χ^2/NDF:8131989522239803201483005178675 2.0/23

In: 431.312+/-0.000 χ^2/NDF:2248028789081536

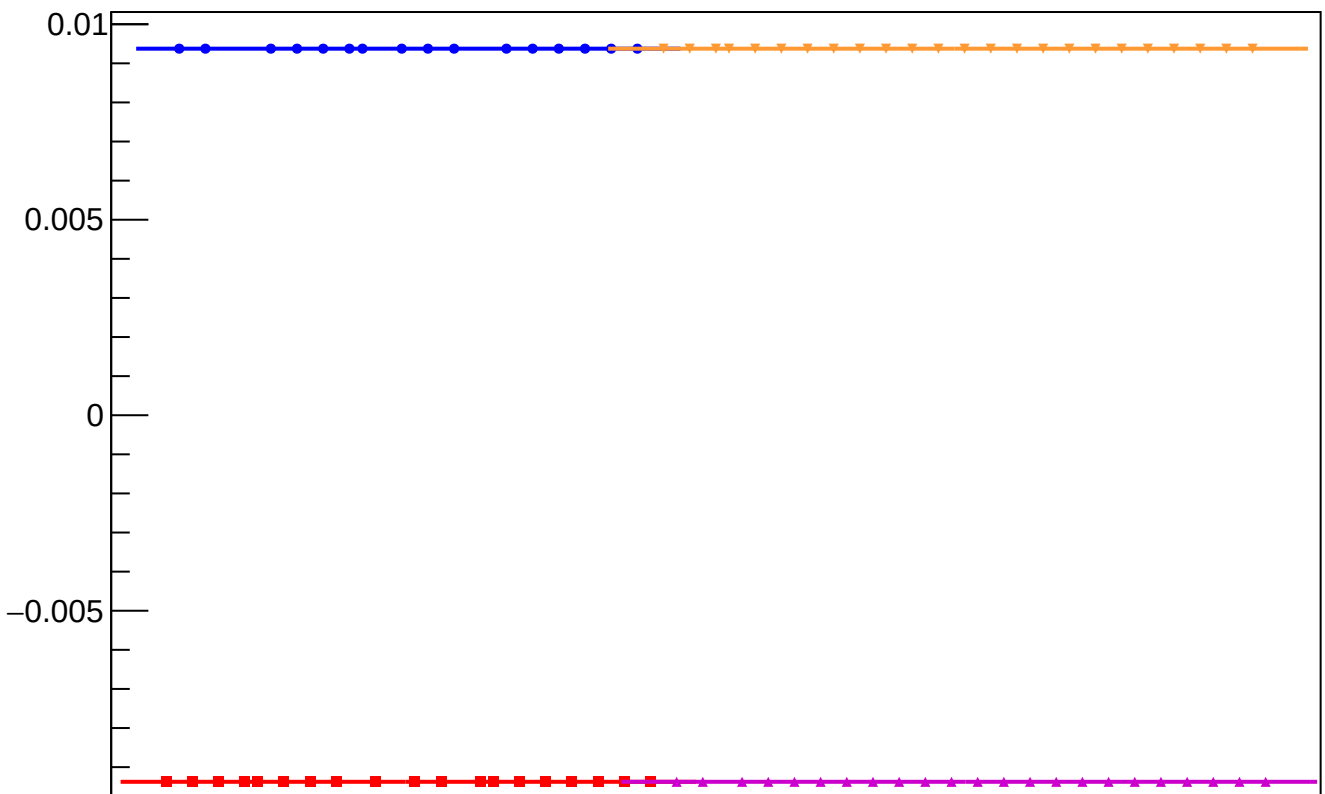
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515 40992.0/18

Out: 52.370+/-0.000 χ^2/NDF:5008828565812790 7

Left In: 1002.990+/-0.000 χ^2/NDF:295195590334831475309726924 8.0/22

All: 238.088+/-0.000 χ^2/NDF: 24919331064 5

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:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 342346817263278289

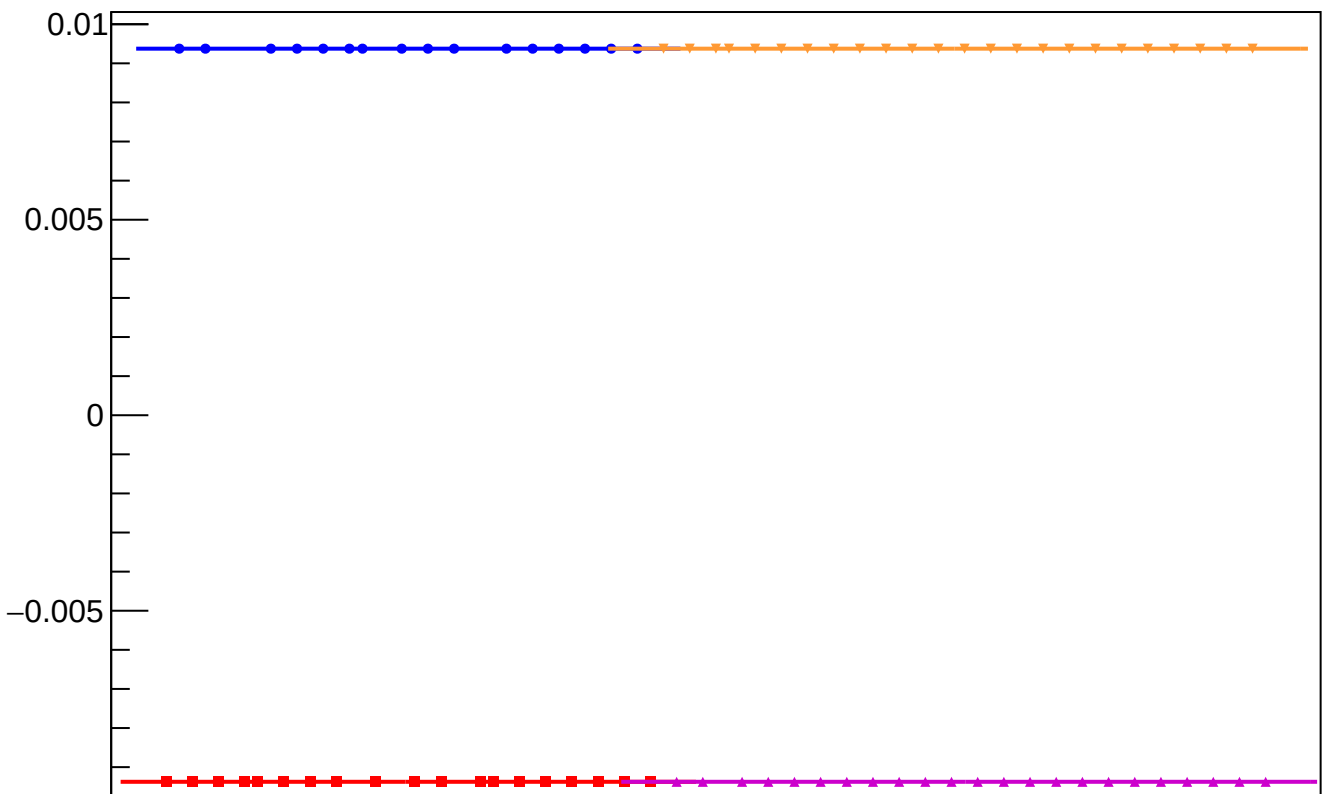
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:18758137159992398

Out: 0.004+/-0.000 χ^2/NDF:193925270629084562

All: 0.000+/-0.000 χ^2/NDF: 4746326779762

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:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 342346817263278289

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:18758137159992398

Out: 0.004+/-0.000 χ^2/NDF:193925270629084562

All: 0.000+/-0.000 χ^2/NDF: 4746326779762